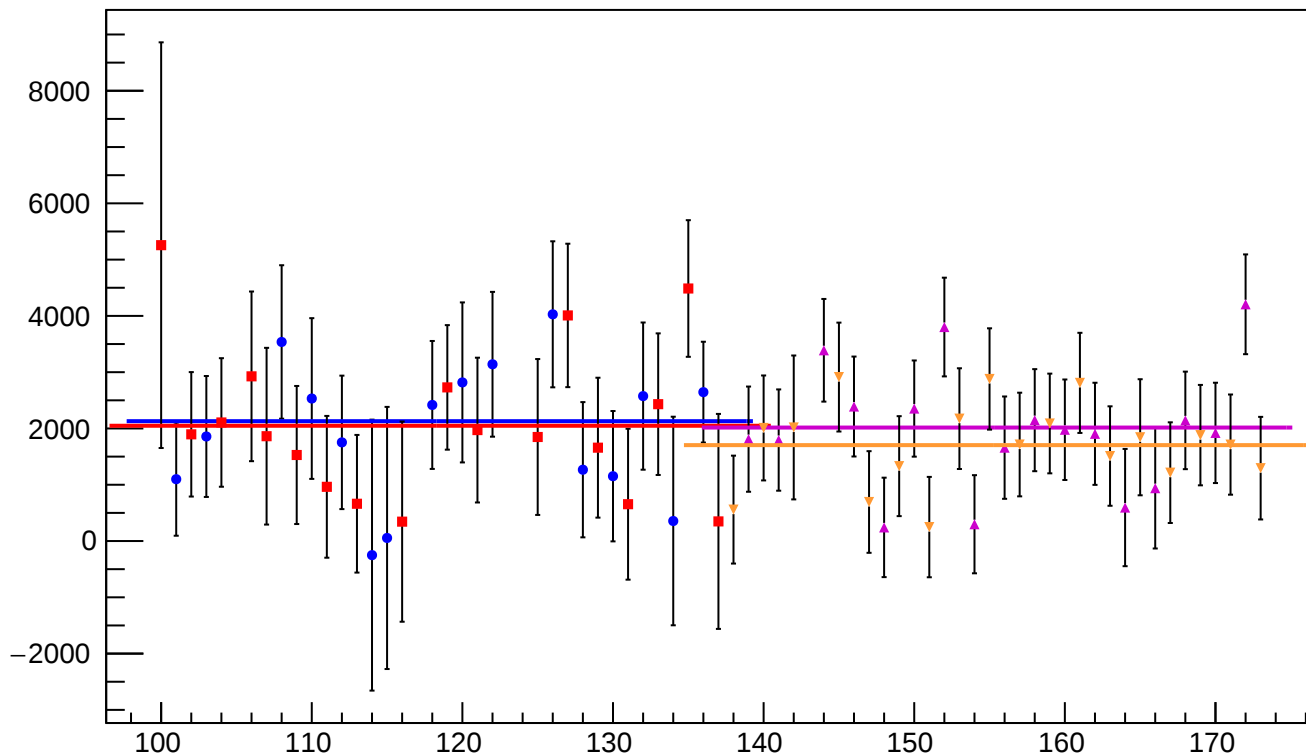


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2129.586+/-316.501

χ^2/NDF : 9.8/15

Left Out: 1703.935+/-217.871

χ^2/NDF : 11.6/17

Right Out: 2048.278+/-314.118

χ^2/NDF : 13.2/17

Left In: 2016.167+/-219.950

χ^2/NDF : 24.0/16

Left: 1858.569+/-154.788

χ^2/NDF : 36.6/34

Right: 2088.625+/-222.953

χ^2/NDF : 23.0/33

In: 2053.104+/-180.618

χ^2/NDF : 33.8/32

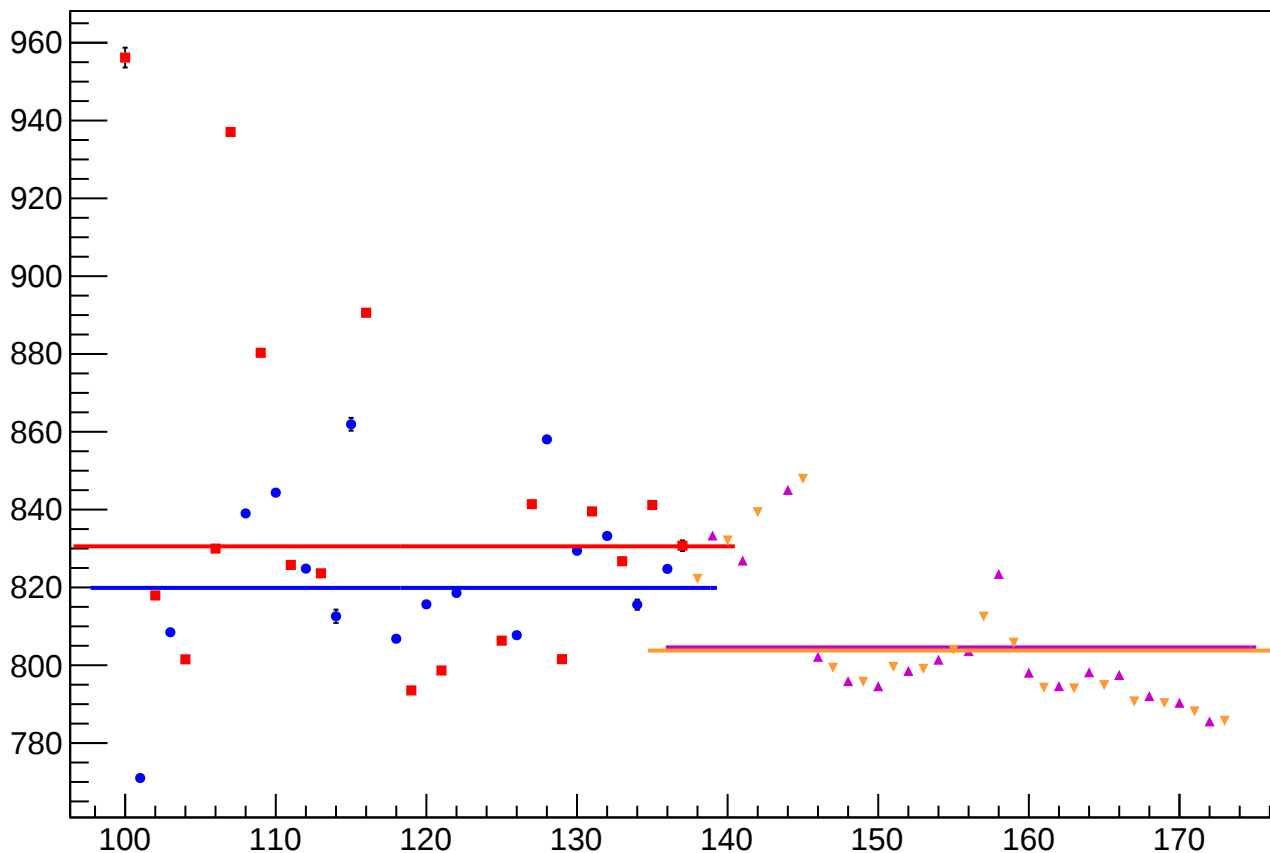
Out: 1815.783+/-179.024

χ^2/NDF : 25.6/35

All: 1933.391+/-127.149

χ^2/NDF : 60.3/68

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 819.883 $\pm$ 0.224 χ^2 /NDF: 9537.8/15

Left Out: 803.779 $\pm$ 0.154 χ^2 /NDF:11706.1/17

Right Out: 830.559 $\pm$ 0.222 χ^2 /NDF: 24429.2/17

Left In: 804.590 $\pm$ 0.156 χ^2 /NDF:10894.4/16

Left: 804.180 $\pm$ 0.109 χ^2 /NDF: 22614.2/34

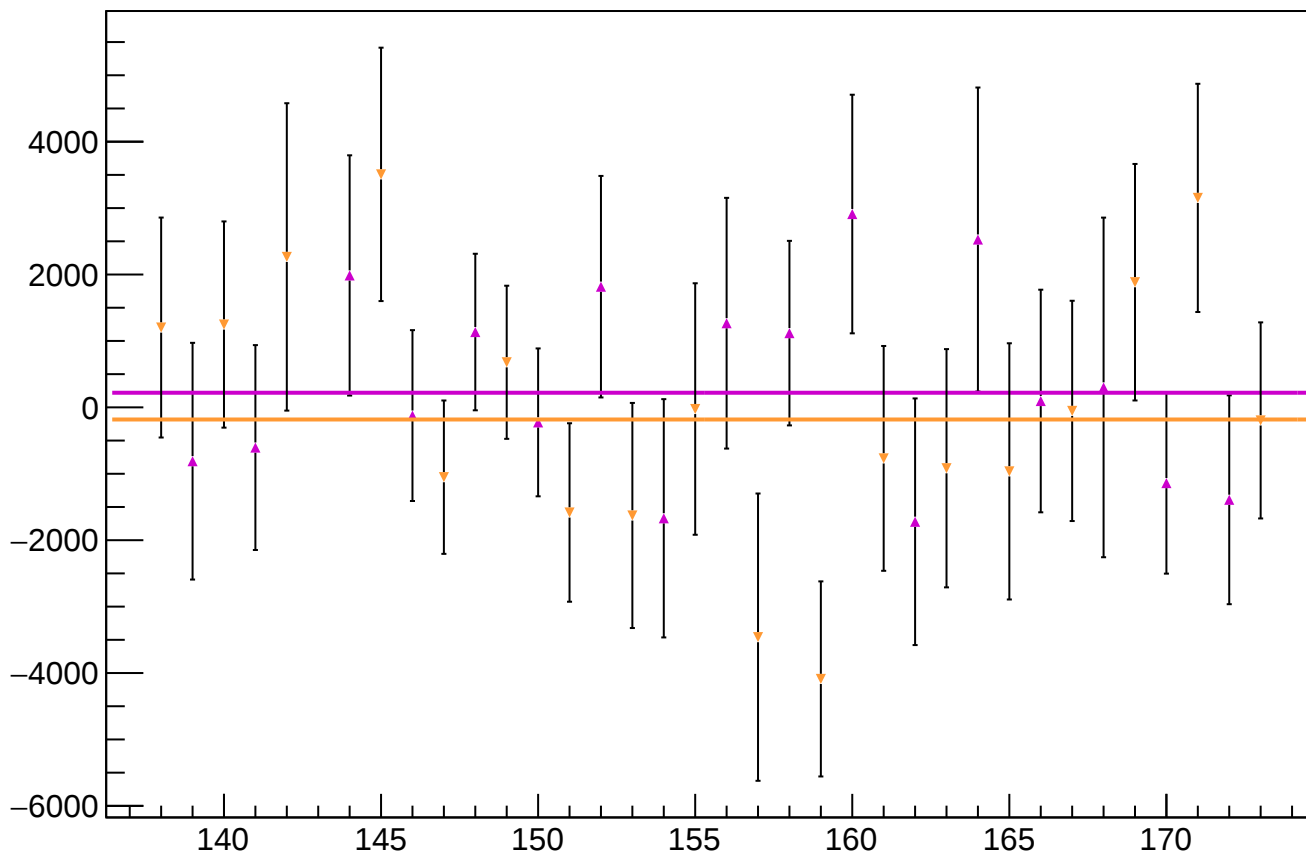
Right: 825.261 $\pm$ 0.158 χ^2 /NDF: 35113.5/33

In: 809.570 $\pm$ 0.128 χ^2 /NDF:23581.0/32

Out: 812.477 $\pm$ 0.127 χ^2 /NDF:45950.3/35

All: 811.037 $\pm$ 0.090 χ^2 /NDF: 69792.7/68

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -182.657 $\pm$ 377.746 χ^2 /NDF:24.3/17

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

Left In: 220.022 $\pm$ 381.137 χ^2 /NDF:11.6/16

Left: 16.883 $\pm$ 268.298 χ^2 /NDF: 36.4/34

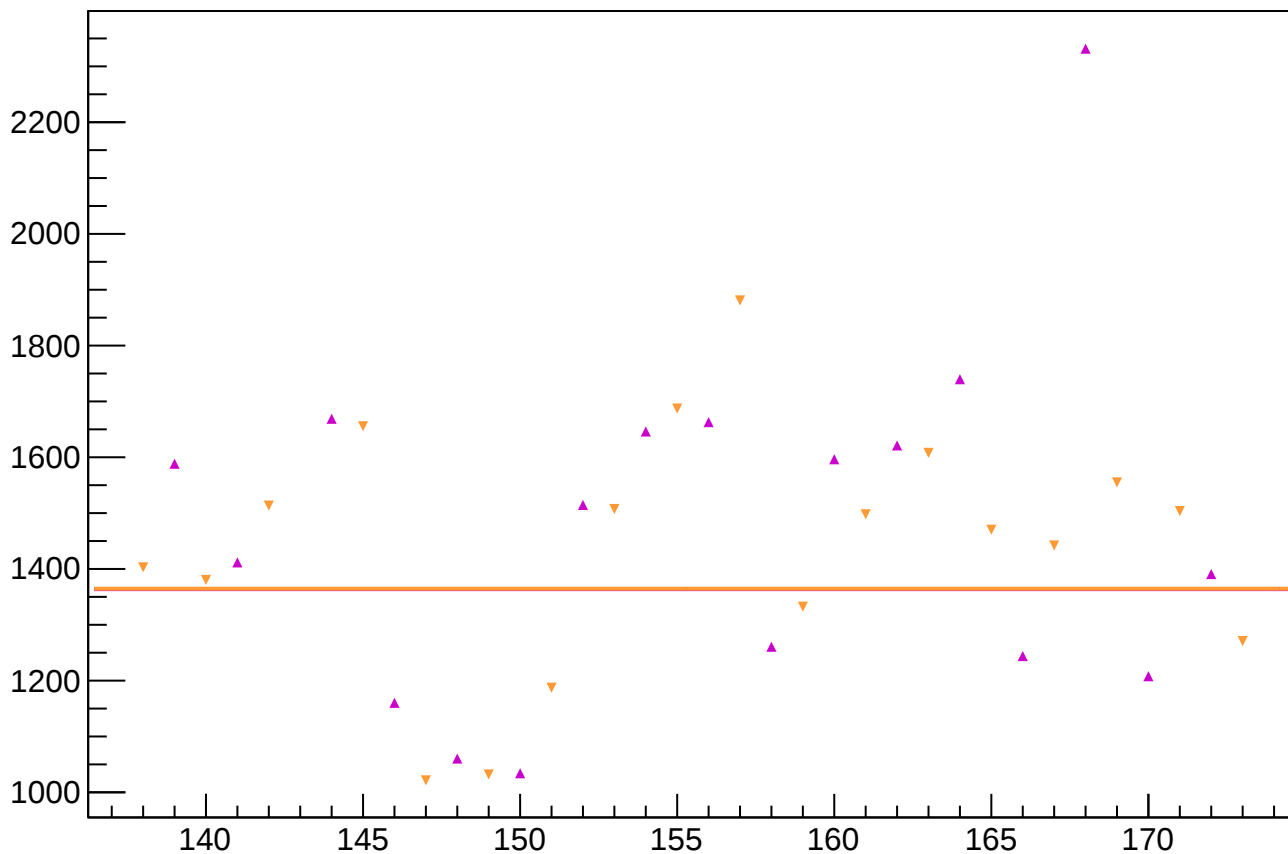
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 220.022 $\pm$ 381.137 χ^2 /NDF:11.6/16

Out: -182.657 $\pm$ 377.746 χ^2 /NDF:24.3/17

All: 16.883 $\pm$ 268.298 χ^2 /NDF: 36.4/34

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1364.651+/-0.267 χ^2/NDF :724859.3/17

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

Left In: 1363.861+/-0.270 χ^2/NDF :1025250.6/16

Left: 1364.260+/-0.190 χ^2/NDF : 1750114.2/34

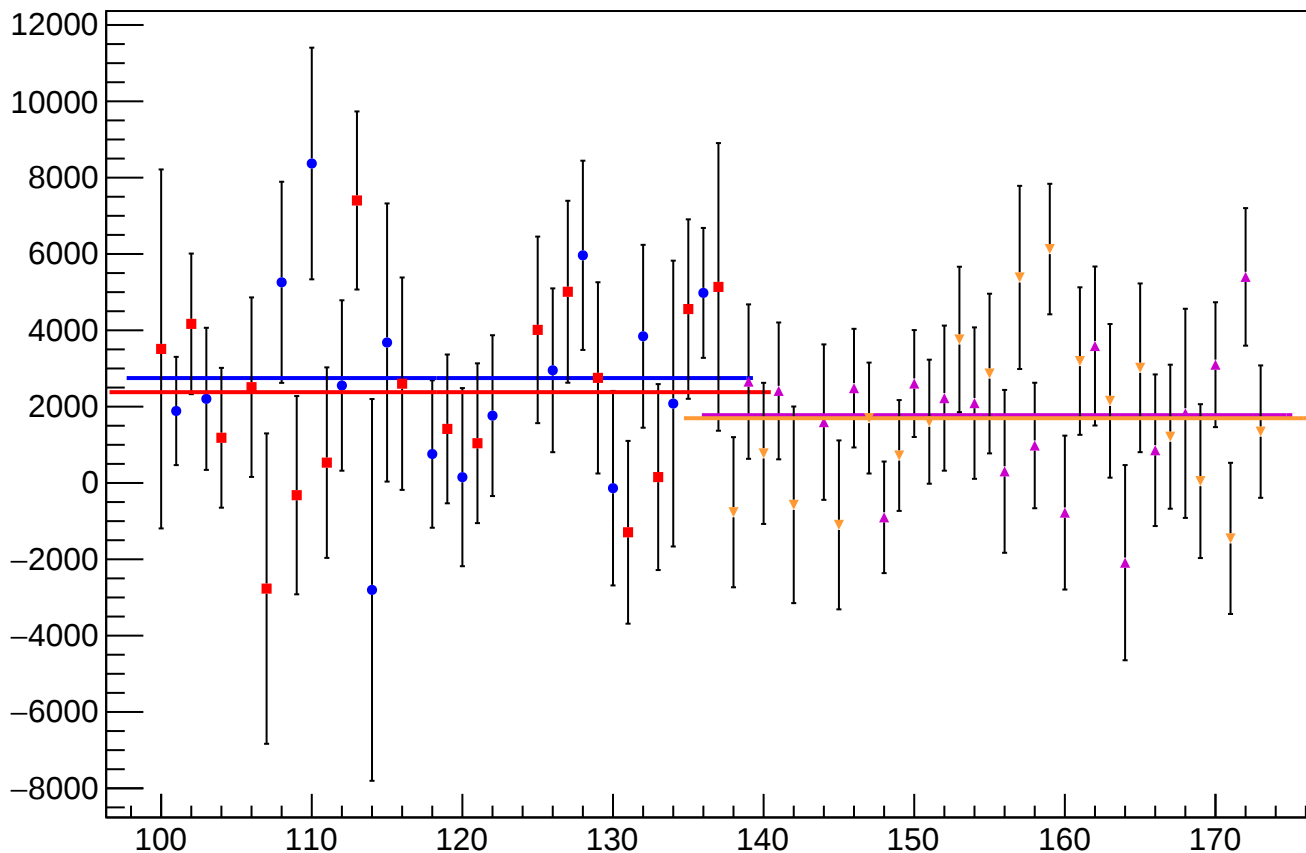
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1363.861+/-0.270 χ^2/NDF :1025250.6/16

Out: 1364.651+/-0.267 χ^2/NDF :724859.3/17

All: 1364.260+/-0.190 χ^2/NDF : 1750114.2/34

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1696.762 $\pm$ 443.425 χ^2 /NDF:19.5/17

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

Left In: 1776.711 $\pm$ 446.933 χ^2 /NDF:14.6/16

Left: 1736.421 $\pm$ 314.782 χ^2 /NDF: 34.1/34

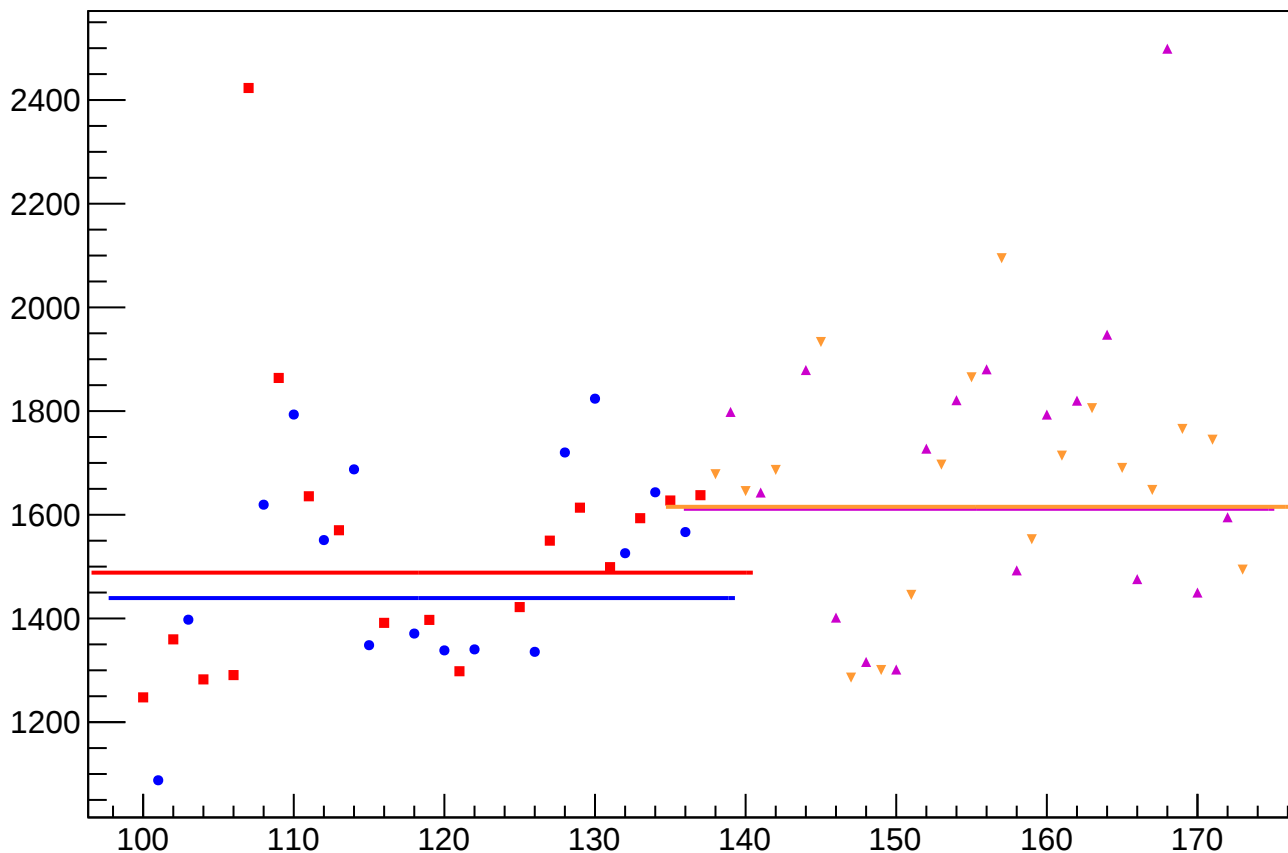
Right: 2566.079 $\pm$ 400.174 χ^2 /NDF: 30.0/33

In: 2152.531 $\pm$ 350.031 χ^2 /NDF:30.0/32

Out: 1954.731 $\pm$ 349.752 χ^2 /NDF:36.6/35

All: 2053.552 $\pm$ 247.411 χ^2 /NDF: 66.8/68

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1615.347 $\pm$ 0.314 χ^2 /NDF: 434092.4/17

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

Left In: 1611.525 $\pm$ 0.316 χ^2 /NDF: 649933.4/16

Left: 1613.451 $\pm$ 0.223 χ^2 /NDF: 1084099.5/34

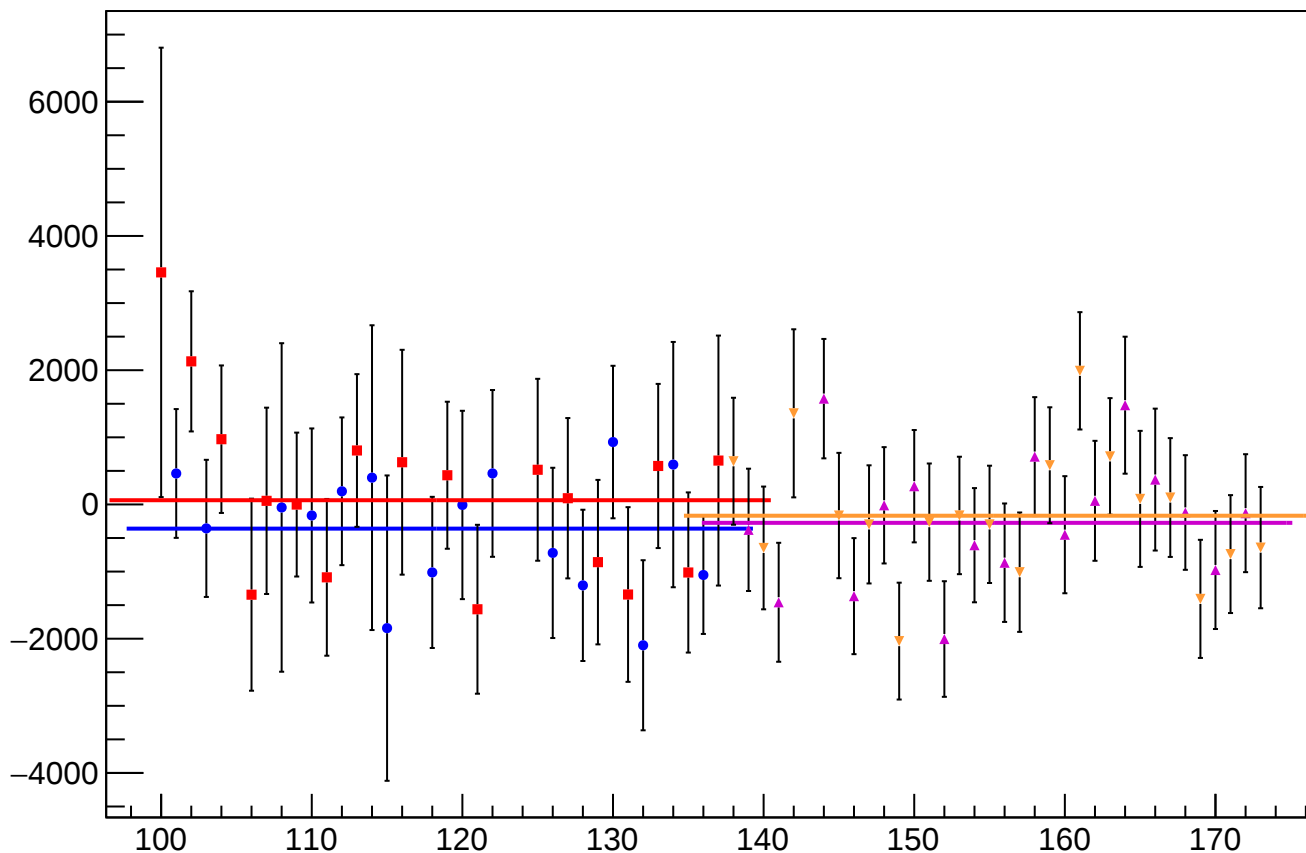
Right: 1463.597 $\pm$ 0.283 χ^2 /NDF: 541697.1/33

In: 1544.952 $\pm$ 0.248 χ^2 /NDF: 1042573.3/32

Out: 1567.371 $\pm$ 0.247 χ^2 /NDF: 752373.8/35

All: 1556.170 $\pm$ 0.175 χ^2 /NDF: 1799052.5/68

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -360.203 $\pm$ 310.577 χ^2/NDF : 7.1/15

Left Out: -167.881 $\pm$ 213.487 χ^2/NDF :18.8/17

Right Out: 62.959 $\pm$ 298.767 χ^2/NDF : 12.8/17

Left In: -273.963 $\pm$ 215.610 χ^2/NDF :18.3/16

Left: -220.397 $\pm$ 151.703 χ^2/NDF : 37.2/34

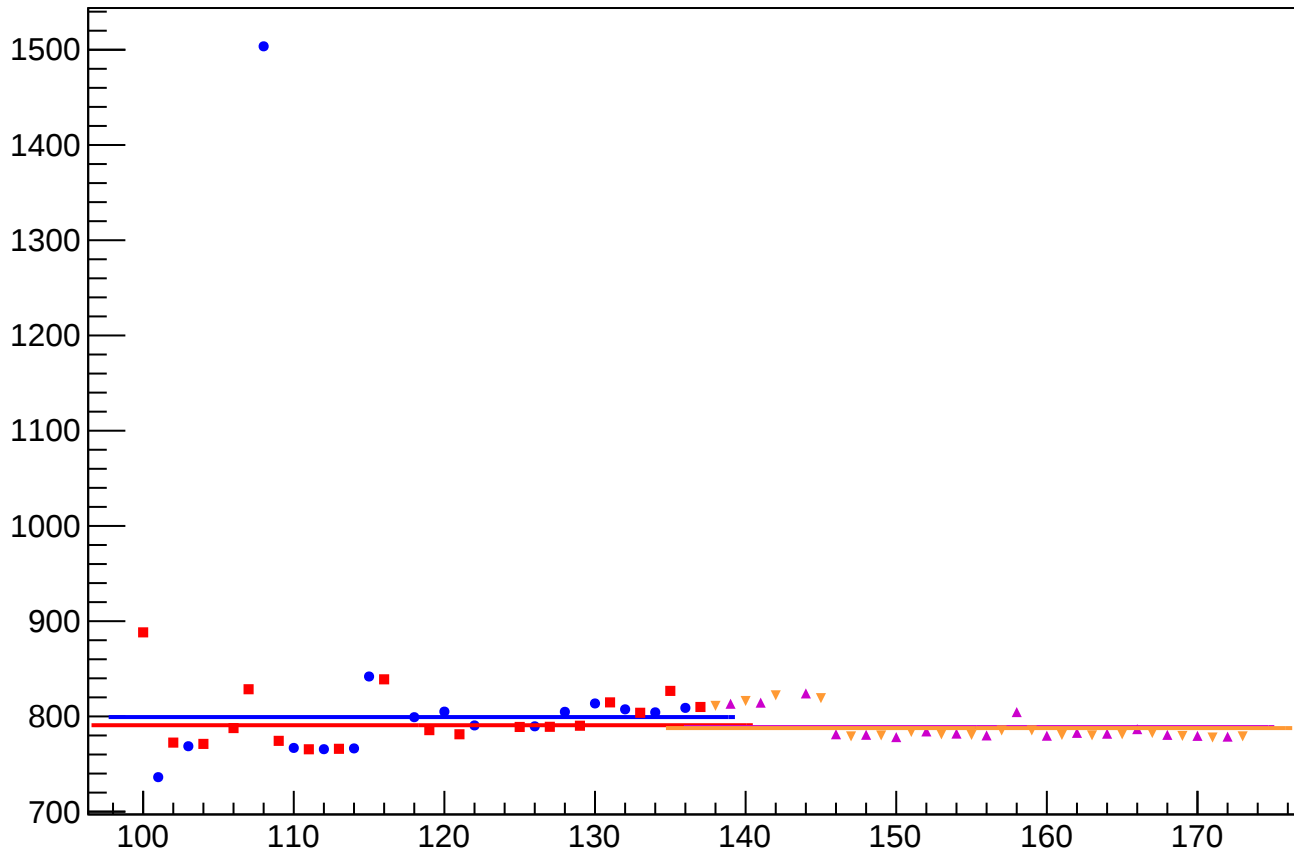
Right: -140.423 $\pm$ 215.314 χ^2/NDF : 20.9/33

In: -302.010 $\pm$ 177.114 χ^2/NDF :25.5/32

Out: -89.855 $\pm$ 173.699 χ^2/NDF :32.0/35

All: -193.867 $\pm$ 124.013 χ^2/NDF : 58.2/68

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 799.322 ± 0.220 χ^2/NDF : 181303.9/15

Left Out: 787.738 ± 0.151 χ^2/NDF : 8665.2/17

Right Out: 790.760 ± 0.211 χ^2/NDF : 11555.4/17

Left In: 788.821 ± 0.152 χ^2/NDF : 9008.8/16

Left: 788.274 ± 0.107 χ^2/NDF : 17699.5/34

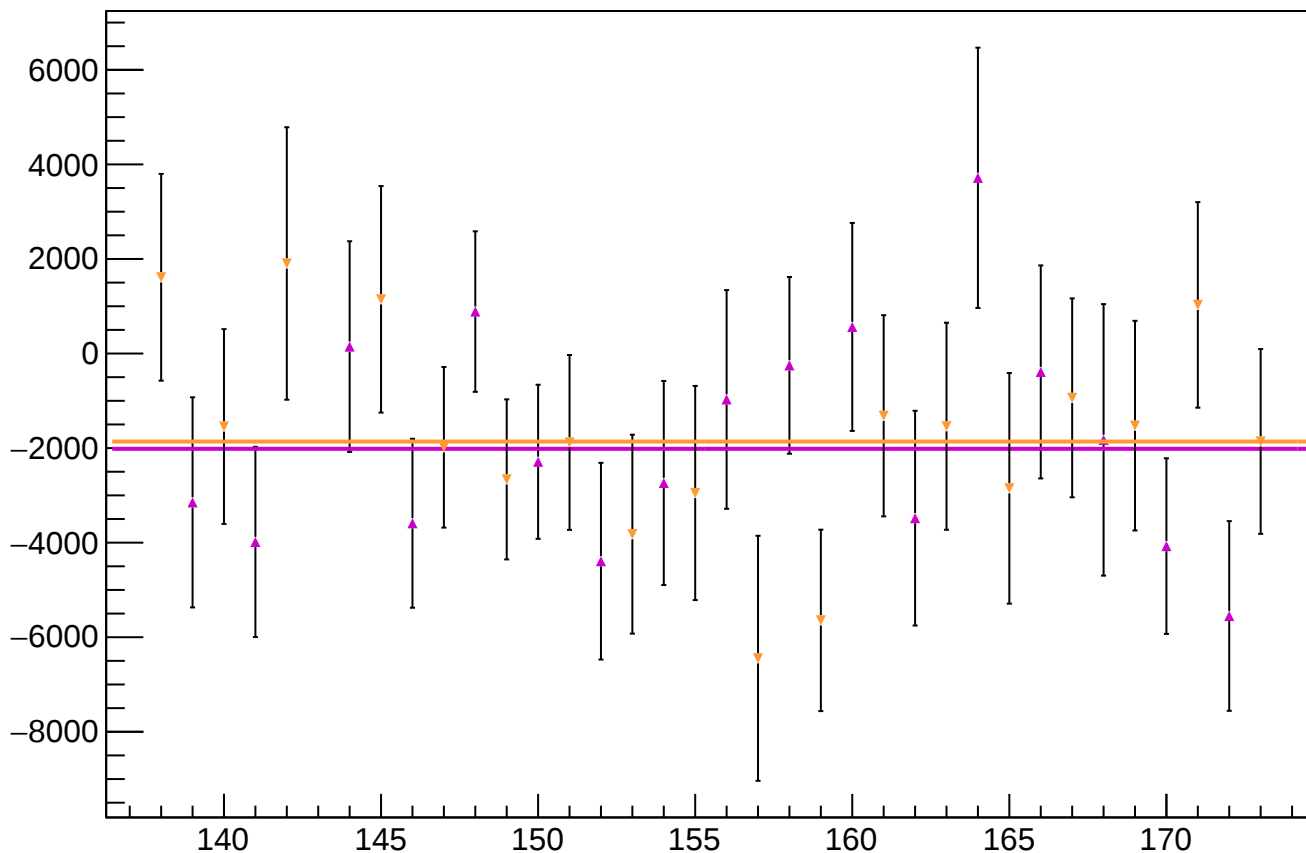
Right: 794.875 ± 0.152 χ^2/NDF : 193648.9/33

In: 792.236 ± 0.125 χ^2/NDF : 191855.7/32

Out: 788.759 ± 0.123 χ^2/NDF : 20356.0/35

All: 790.464 ± 0.088 χ^2/NDF : 212604.5/68

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1862.092+/-495.730 χ^2/NDF :16.4/17

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

Left In: -2015.415+/-500.201 χ^2/NDF :19.4/16

Left: -1938.065+/-352.104 χ^2/NDF : 35.8/34

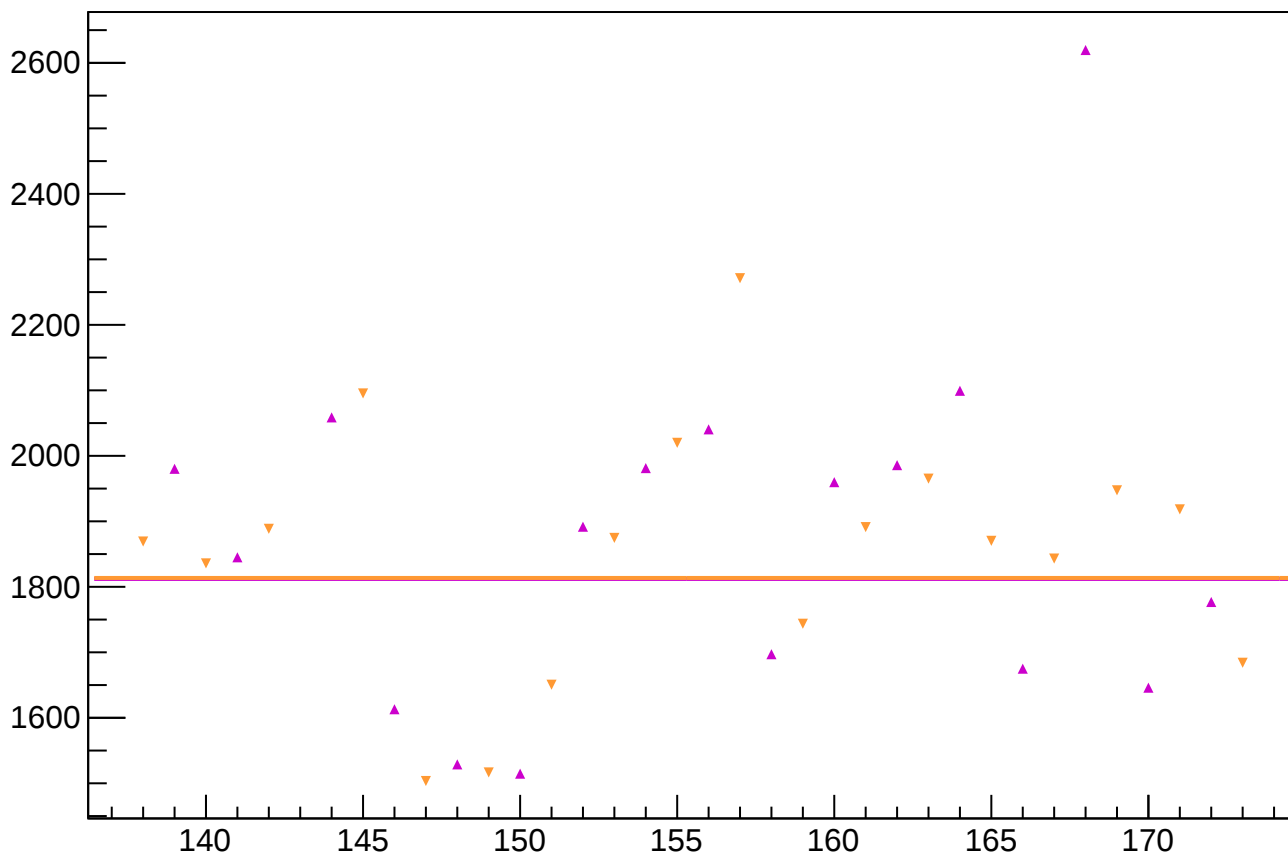
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2015.415+/-500.201 χ^2/NDF :19.4/16

Out: -1862.092+/-495.730 χ^2/NDF :16.4/17

All: -1938.065+/-352.104 χ^2/NDF : 35.8/34

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1813.540+/-0.351 χ^2/NDF :292044.4/17

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

Left In: 1812.084+/-0.354 χ^2/NDF :450654.2/16

Left: 1812.818+/-0.249 χ^2/NDF : 742707.2/34

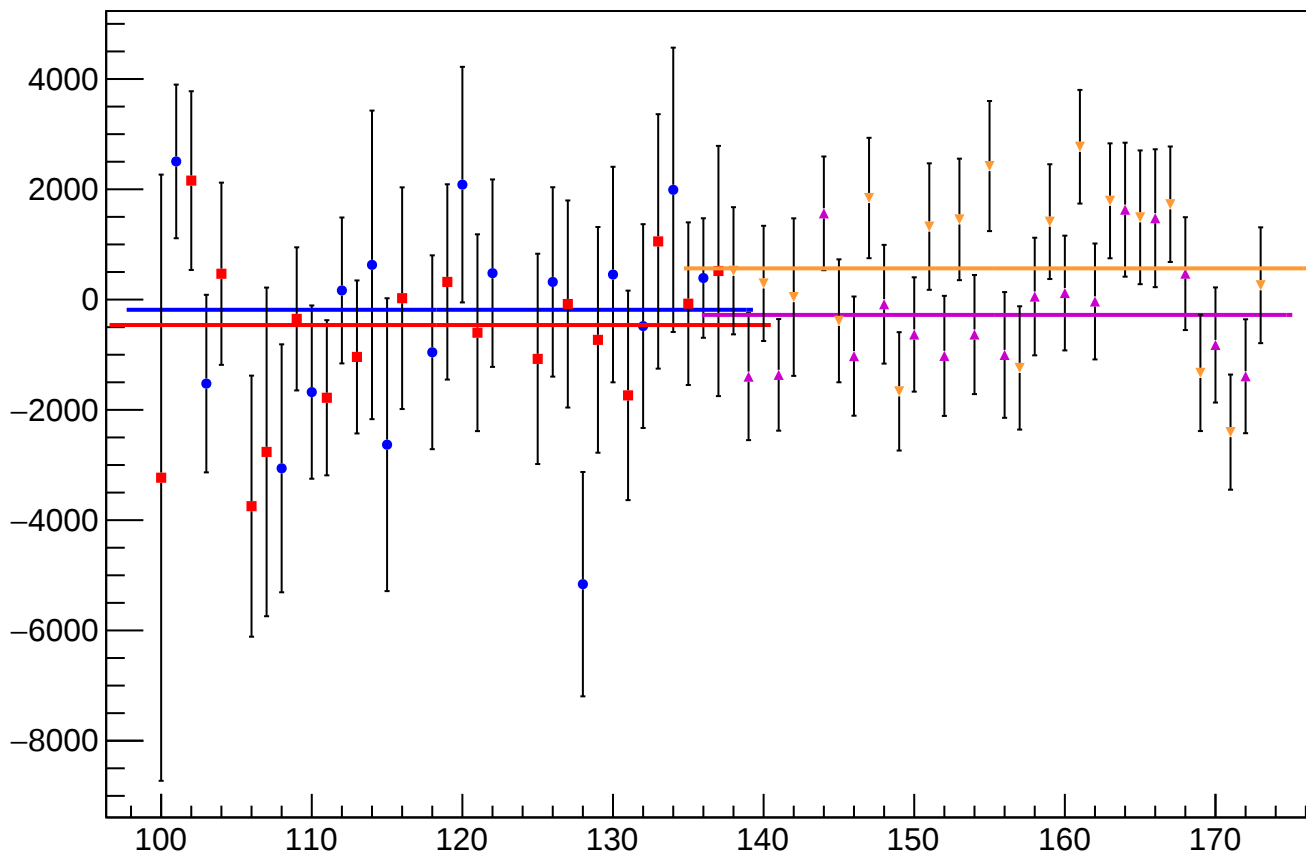
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1812.084+/-0.354 χ^2/NDF :450654.2/16

Out: 1813.540+/-0.351 χ^2/NDF :292044.4/17

All: 1812.818+/-0.249 χ^2/NDF : 742707.2/34

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 566.046+/-259.304 χ^2/NDF : 32.6/17

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

Left In: -277.833+/-261.485 χ^2/NDF : 13.6/16

Left: 147.641+/-184.122 χ^2/NDF : 51.5/34

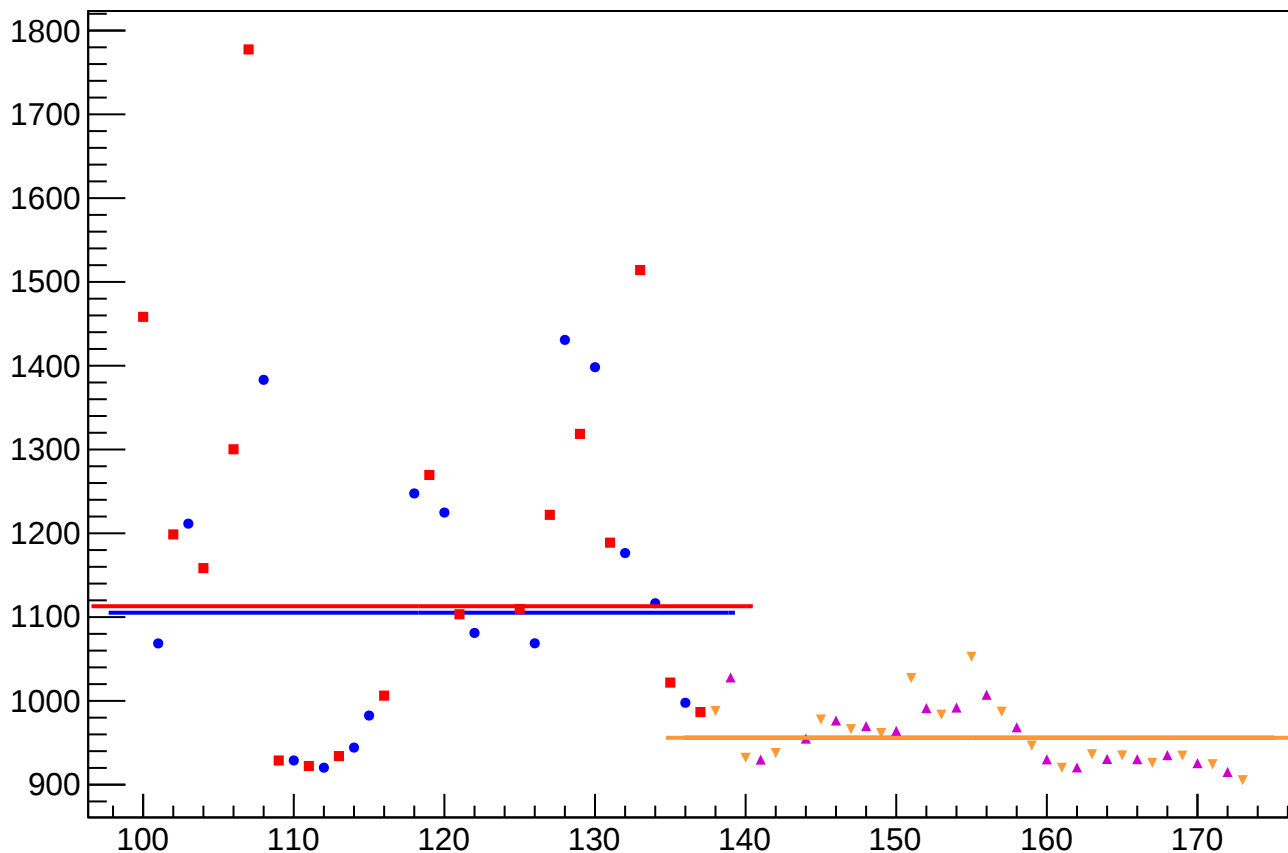
Right: -324.625+/-303.483 χ^2/NDF : 25.2/33

In: -252.913+/-223.628 χ^2/NDF : 30.3/32

Out: 289.196+/-221.627 χ^2/NDF : 45.2/35

All: 20.578+/-157.416 χ^2/NDF : 78.4/68

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 955.943 $\pm$ 0.183 χ^2 /NDF: 40662.4/17

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

Left In: 956.083 $\pm$ 0.185 χ^2 /NDF: 29816.7/16

Left: 956.012 $\pm$ 0.130 χ^2 /NDF: 70479.4/34

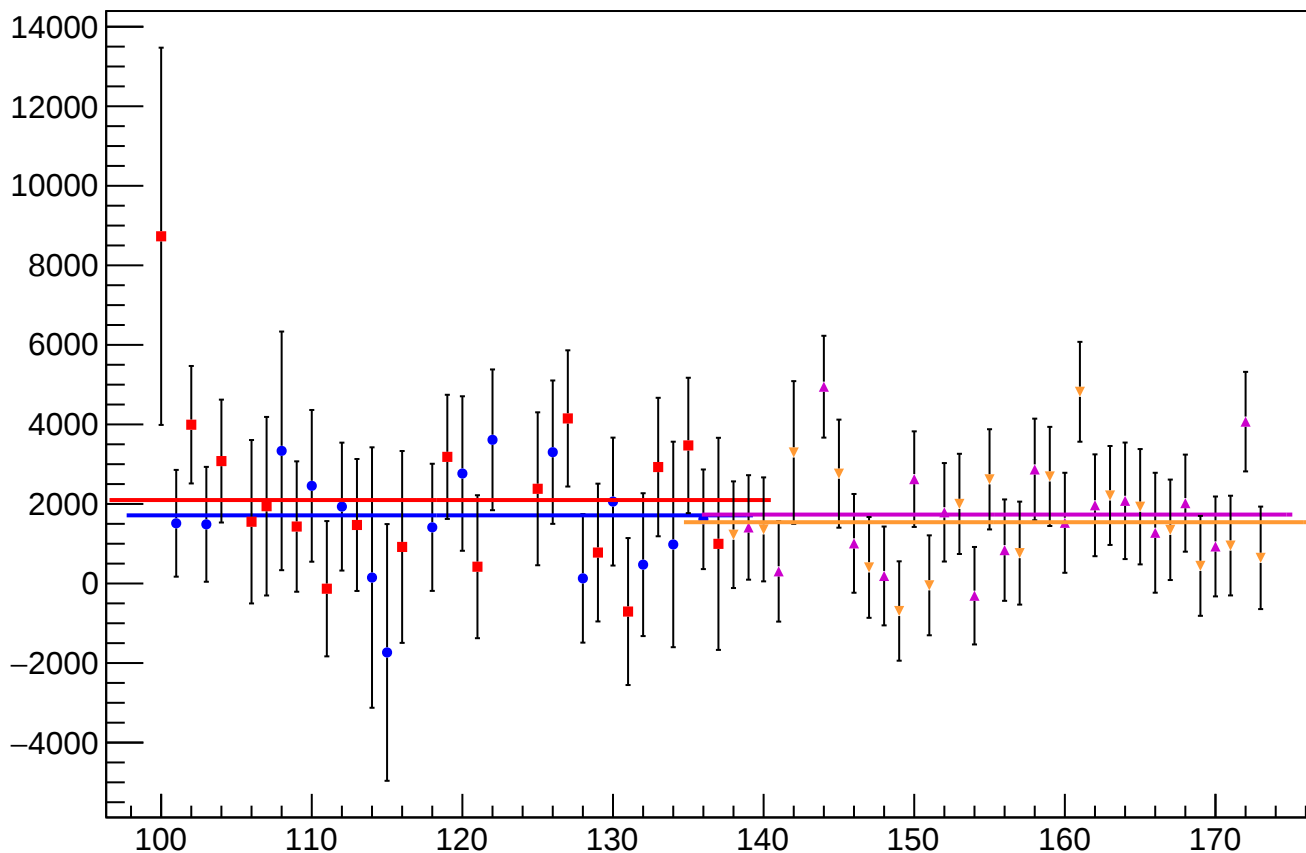
Right: 1109.146 $\pm$ 0.215 χ^2 /NDF: 618686.6/33

In: 996.145 $\pm$ 0.158 χ^2 /NDF: 459965.1/32

Out: 998.262 $\pm$ 0.157 χ^2 /NDF: 601323.1/35

All: 997.213 $\pm$ 0.111 χ^2 /NDF: 1061378.6/68

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1713.558 $\pm$ 440.802 χ^2 /NDF: 5.7/15

Left Out: 1541.105 $\pm$ 306.484 χ^2 /NDF:18.2/17

Right Out: 2098.291 $\pm$ 431.016 χ^2 /NDF: 13.1/17

Left In: 1733.113 $\pm$ 309.470 χ^2 /NDF:18.3/16

Left: 1636.178 $\pm$ 217.765 χ^2 /NDF: 36.7/34

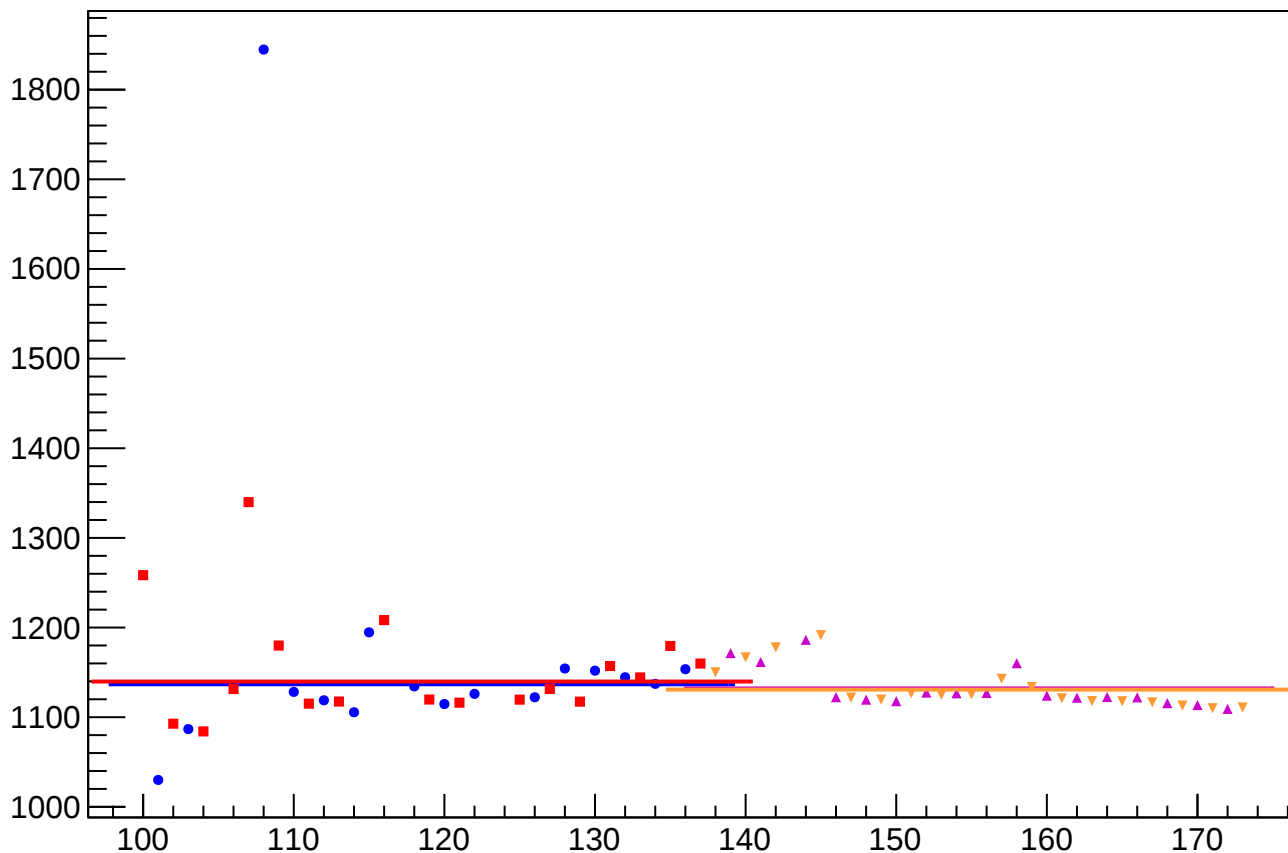
Right: 1910.242 $\pm$ 308.176 χ^2 /NDF: 19.2/33

In: 1726.657 $\pm$ 253.282 χ^2 /NDF:24.0/32

Out: 1728.222 $\pm$ 249.775 χ^2 /NDF:32.4/35

All: 1727.450 $\pm$ 177.845 χ^2 /NDF: 56.4/68

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1136.737+/-0.312 χ^2/NDF : 128798.3/15

Left Out: 1130.799+/-0.217 χ^2/NDF : 10010.9/17

Right Out: 1139.790+/-0.305 χ^2/NDF : 28066.5/17

Left In: 1132.100+/-0.219 χ^2/NDF : 9997.4/16

Left: 1131.443+/-0.154 χ^2/NDF : 20026.2/34

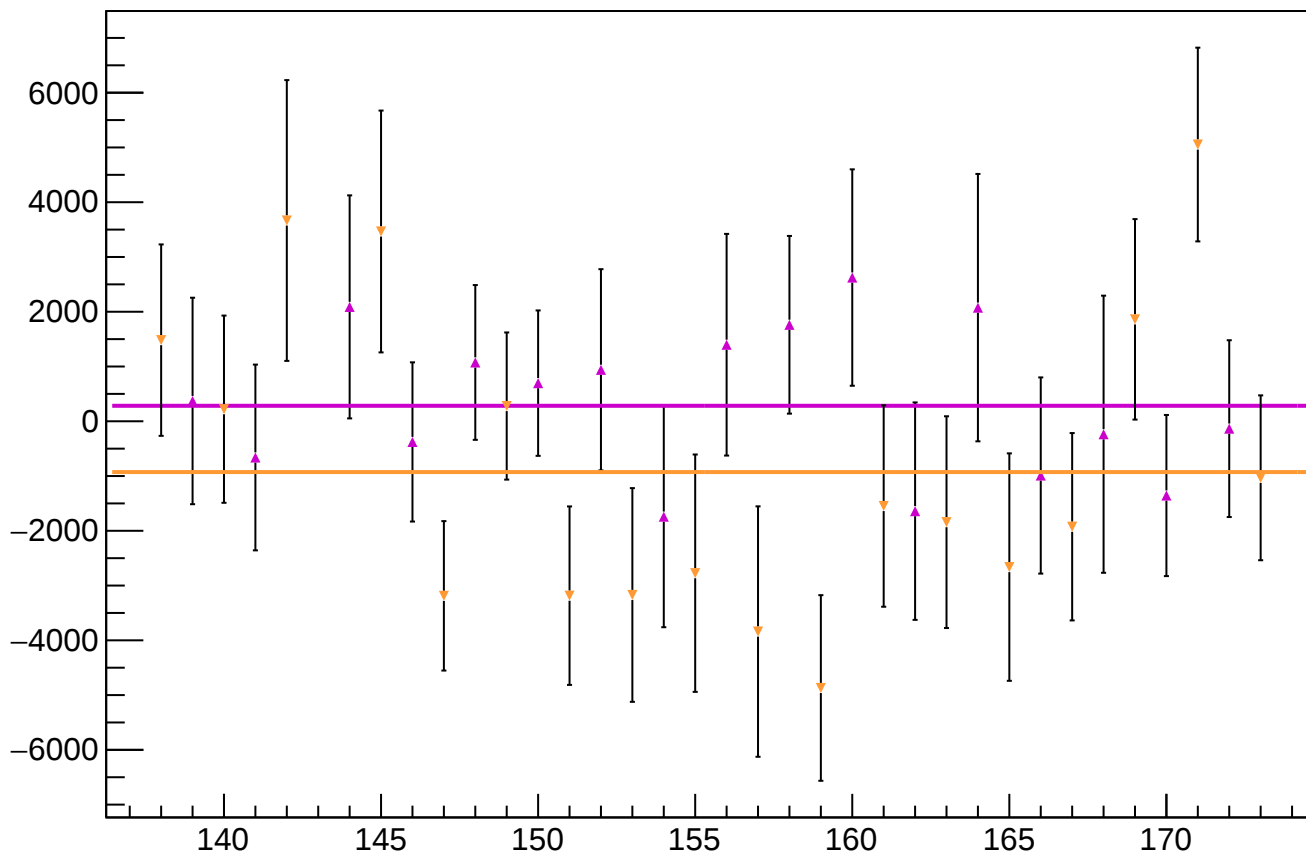
Right: 1138.298+/-0.218 χ^2/NDF : 156913.9/33

In: 1133.631+/-0.179 χ^2/NDF : 138944.0/32

Out: 1133.818+/-0.177 χ^2/NDF : 38655.5/35

All: 1133.726+/-0.126 χ^2/NDF : 177600.1/68

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -927.581 $\pm$ 418.646 χ^2/NDF :39.2/17

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

Left In: 282.795 $\pm$ 423.779 χ^2/NDF :8.7/16

Left: -329.768 $\pm$ 297.826 χ^2/NDF : 52.1/34

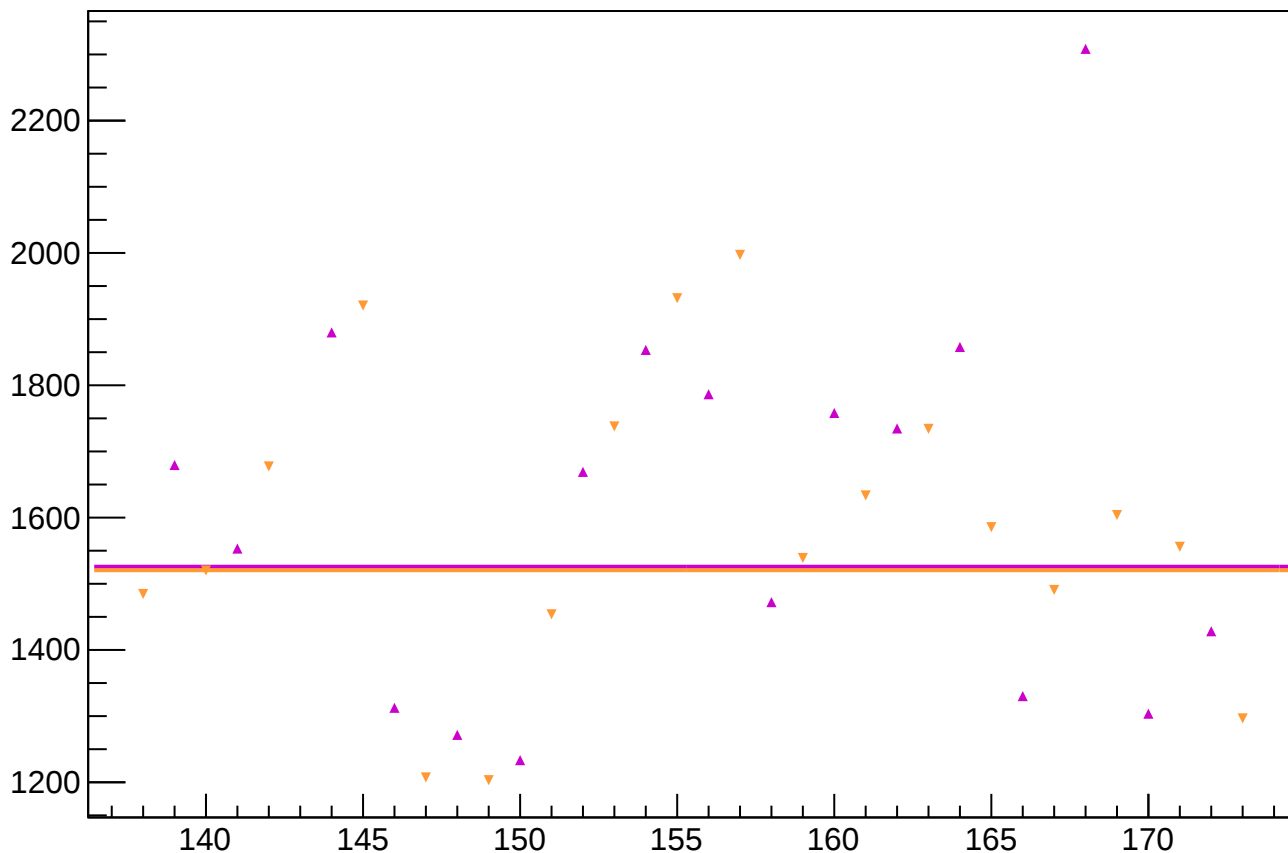
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 282.795 $\pm$ 423.779 χ^2/NDF :8.7/16

Out: -927.581 $\pm$ 418.646 χ^2/NDF :39.2/17

All: -329.768 $\pm$ 297.826 χ^2/NDF : 52.1/34

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1520.503+/-0.296 χ^2/NDF :561888.8/17

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

Left In: 1525.765+/-0.300 χ^2/NDF :734100.1/16

Left: 1523.102+/-0.211 χ^2/NDF : 1296144.9/34

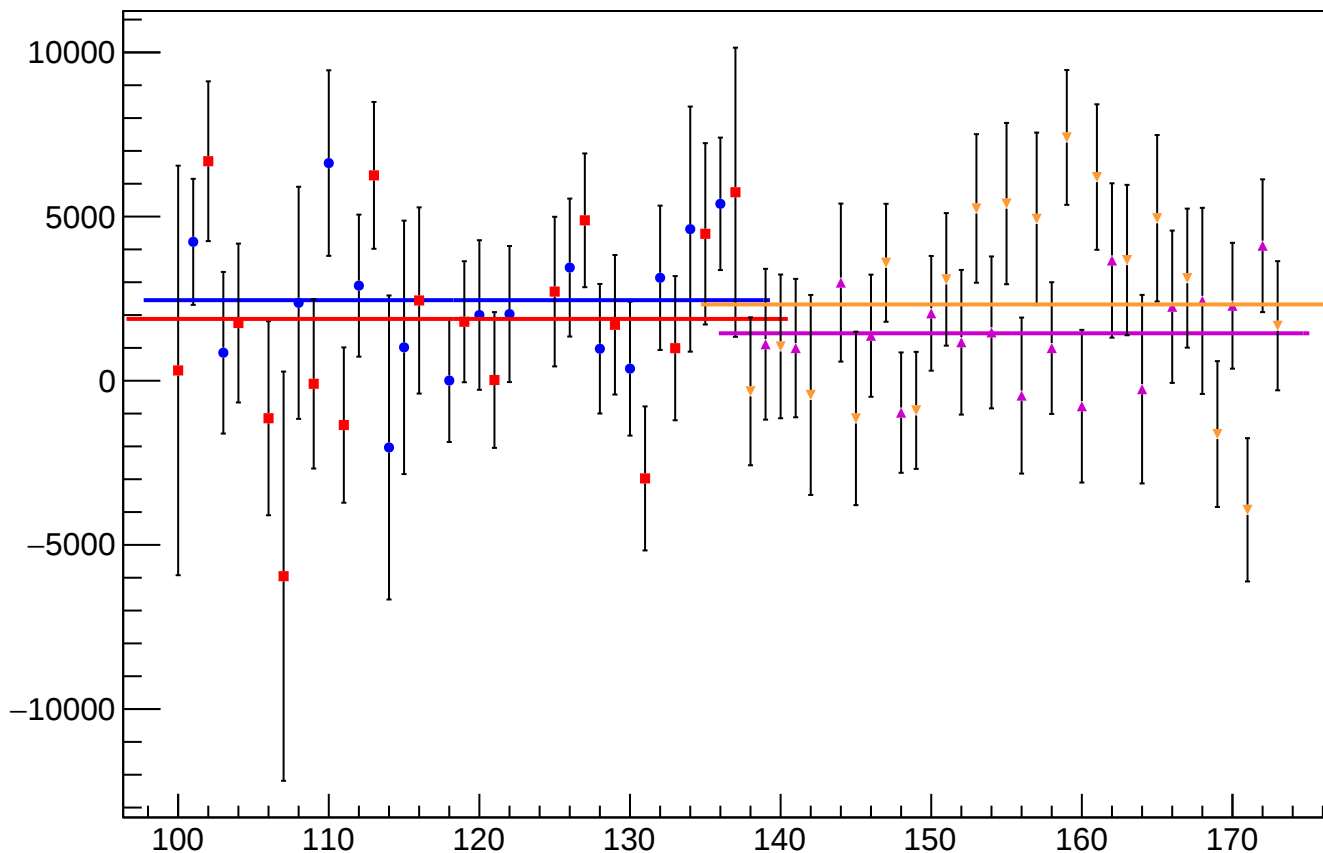
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1525.765+/-0.300 χ^2/NDF :734100.1/16

Out: 1520.503+/-0.296 χ^2/NDF :561888.8/17

All: 1523.102+/-0.211 χ^2/NDF : 1296144.9/34

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2323.566 $\pm$ 518.856 χ^2 /NDF:34.7/17

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

Left In: 1444.753 $\pm$ 524.531 χ^2 /NDF:7.4/16

Left: 1888.939 $\pm$ 368.877 χ^2 /NDF: 43.4/34

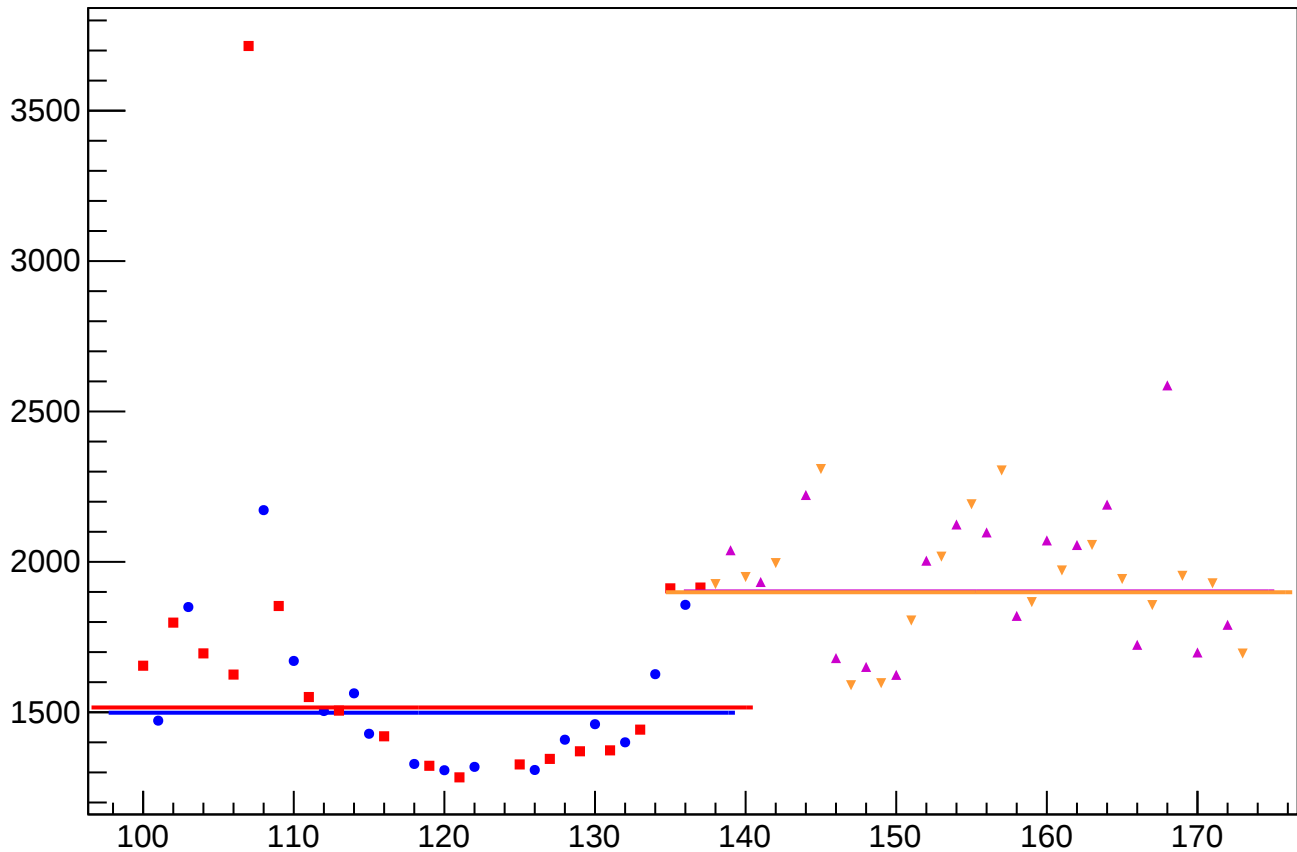
Right: 2167.665 $\pm$ 412.771 χ^2 /NDF: 34.0/33

In: 1894.980 $\pm$ 390.327 χ^2 /NDF:19.8/32

Out: 2128.806 $\pm$ 387.644 χ^2 /NDF:57.7/35

All: 2012.699 $\pm$ 275.049 χ^2 /NDF: 77.7/68

asym_usl_rms vs Slug, Sign Corrected



Right In: 1498.485 $\pm$ 0.413 χ^2 /NDF: 258807.5/15

Left Out: 1898.995 $\pm$ 0.367 χ^2 /NDF: 290461.5/17

Right Out: 1515.949 $\pm$ 0.412 χ^2 /NDF: 480541.4/17

Left In: 1901.827 $\pm$ 0.371 χ^2 /NDF: 395506.0/16

Left: 1900.396 $\pm$ 0.261 χ^2 /NDF: 685997.0/34

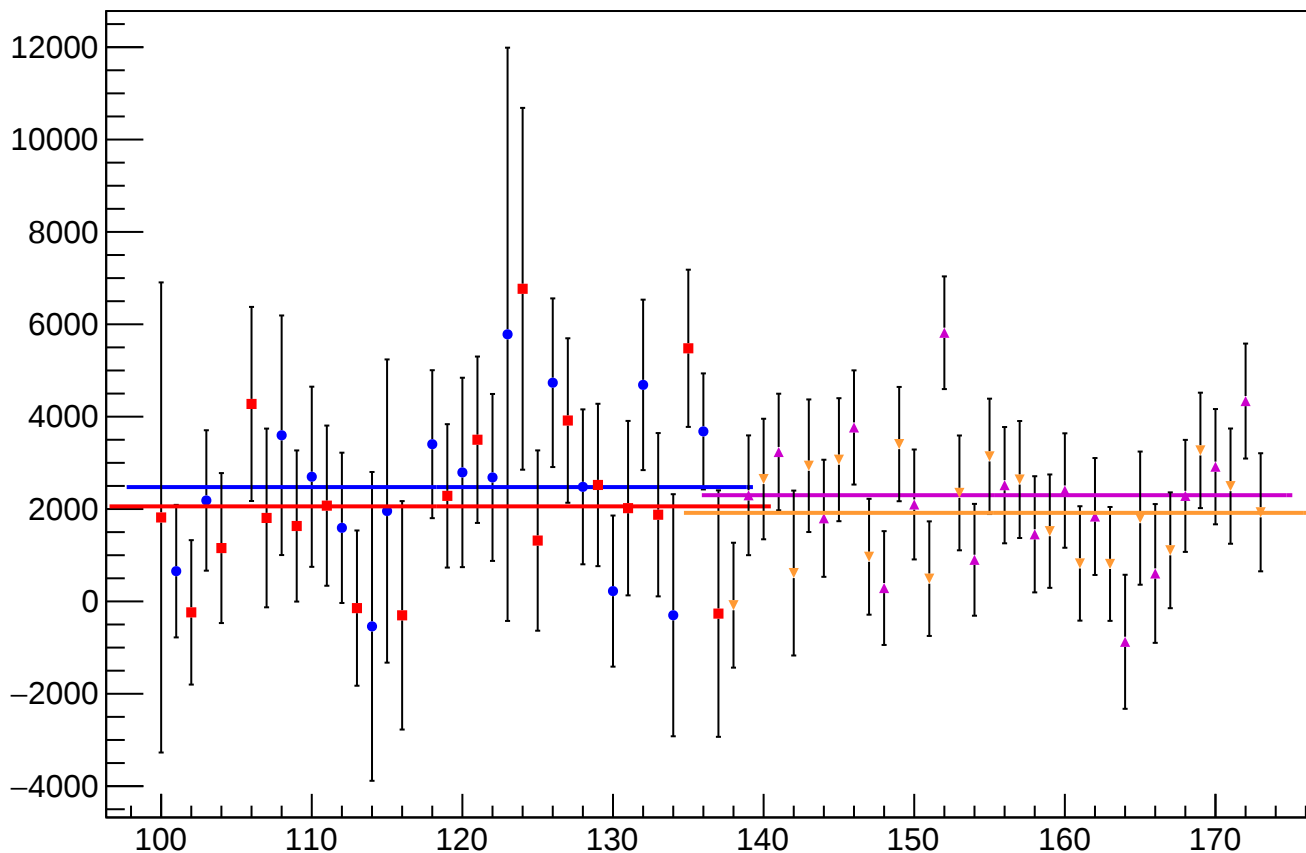
Right: 1507.233 $\pm$ 0.292 χ^2 /NDF: 740243.9/33

In: 1721.837 $\pm$ 0.276 χ^2 /NDF: 1182043.2/32

Out: 1729.757 $\pm$ 0.274 χ^2 /NDF: 1252605.0/35

All: 1725.824 $\pm$ 0.194 χ^2 /NDF: 2435062.8/68

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2475.300+/-449.379 χ^2/NDF : 10.5/16

Left Out: 1917.263+/-297.052 χ^2/NDF :12.5/18

Right Out: 2057.800+/-433.574 χ^2/NDF : 14.5/18

Left In: 2299.721+/-306.542 χ^2/NDF :24.1/16

Left: 2102.480+/-213.323 χ^2/NDF : 37.4/35

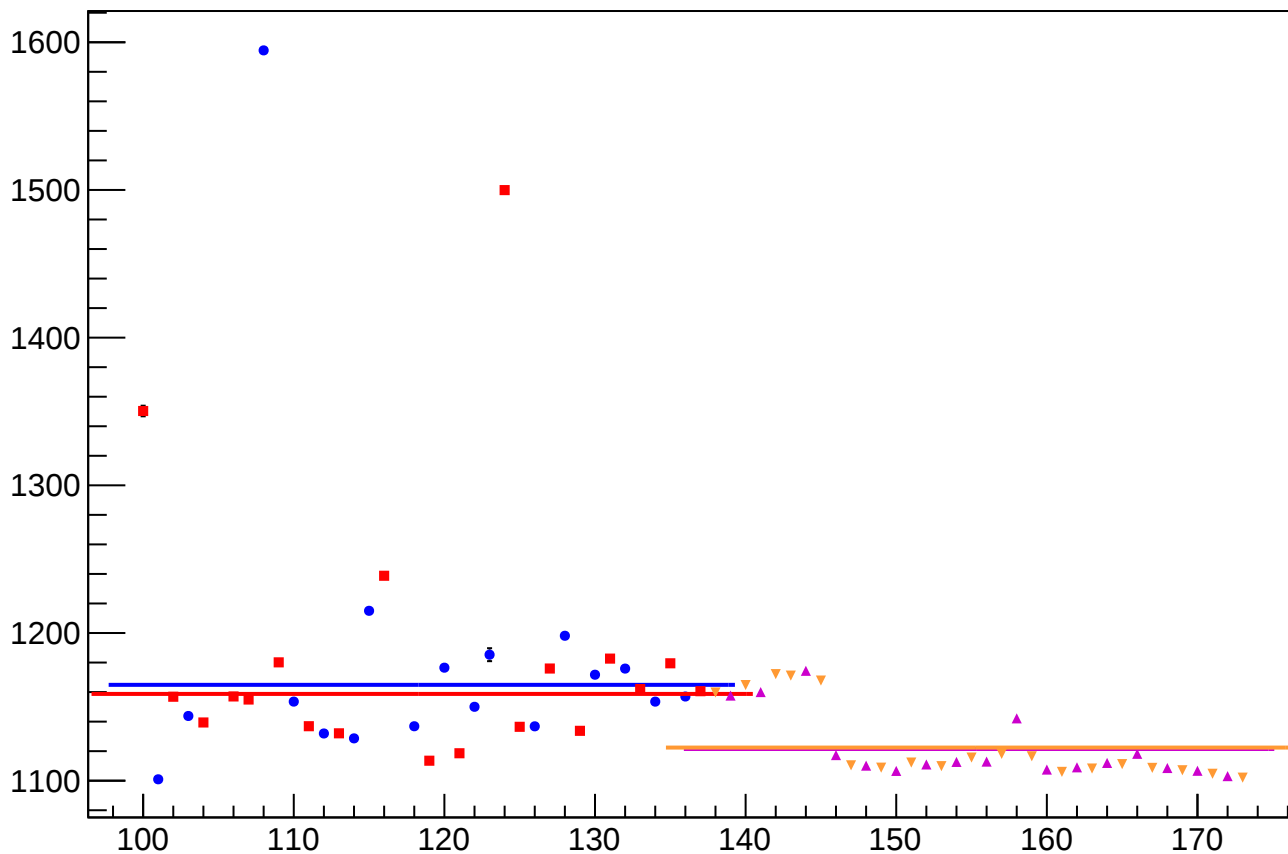
Right: 2259.079+/-312.021 χ^2/NDF : 25.5/35

In: 2355.477+/-253.235 χ^2/NDF :34.7/33

Out: 1962.158+/-245.055 χ^2/NDF :27.1/37

All: 2152.362+/-176.101 χ^2/NDF : 63.1/71

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1164.904 ± 0.318 $\chi^2/\text{NDF}: 63136.4/16$

Left Out: 1122.431 ± 0.210 $\chi^2/\text{NDF}: 12889.0/18$

Right Out: 1158.758 ± 0.307 $\chi^2/\text{NDF}: 25723.5/18$

Left In: 1121.466 ± 0.217 $\chi^2/\text{NDF}: 9777.4/16$

Left: 1121.964 ± 0.151 $\chi^2/\text{NDF}: 22676.5/35$

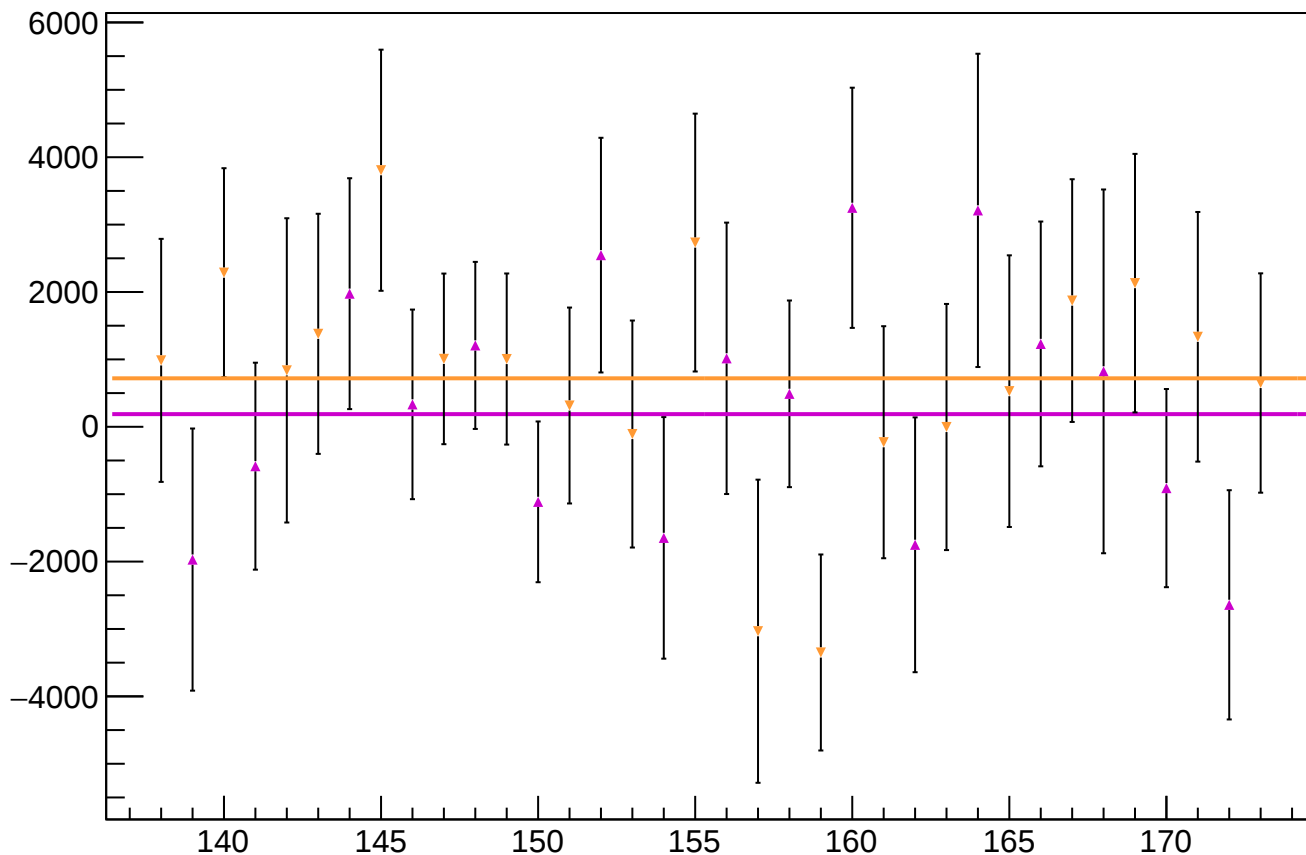
Right: 1161.721 ± 0.221 $\chi^2/\text{NDF}: 89053.7/35$

In: 1135.260 ± 0.179 $\chi^2/\text{NDF}: 85666.6/33$

Out: 1134.035 ± 0.173 $\chi^2/\text{NDF}: 48167.1/37$

All: 1134.628 ± 0.125 $\chi^2/\text{NDF}: 133857.9/71$

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 719.298+/-386.480 χ^2/NDF :17.8/18

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

Left In: 187.833+/-397.574 χ^2/NDF :17.0/16

Left: 461.084+/-277.122 χ^2/NDF : 35.7/35

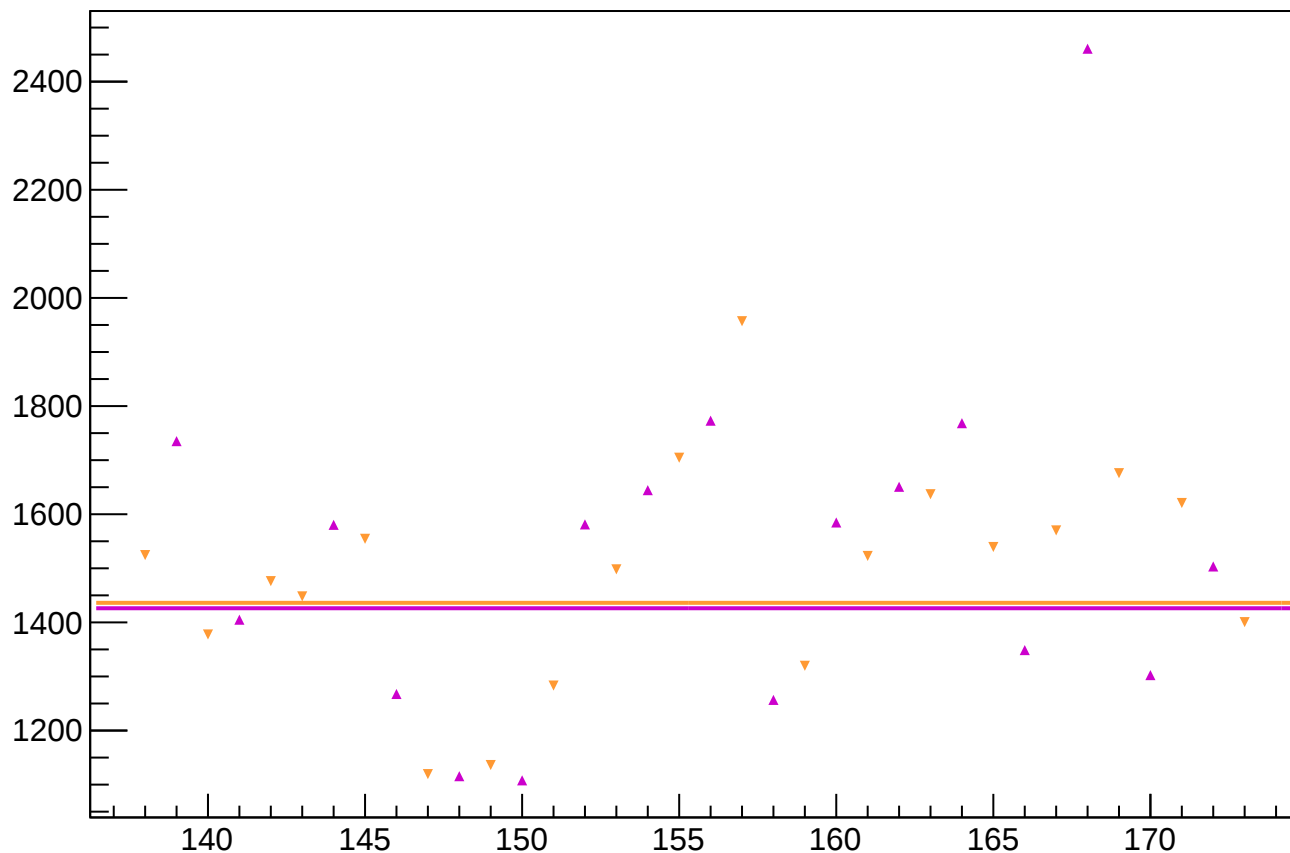
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 187.833+/-397.574 χ^2/NDF :17.0/16

Out: 719.298+/-386.480 χ^2/NDF :17.8/18

All: 461.084+/-277.122 χ^2/NDF : 35.7/35

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1436.179+/-0.273 χ^2/NDF : 535950.3/18

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

Left In: 1426.139+/-0.281 χ^2/NDF : 898645.6/16

Left: 1431.301+/-0.196 χ^2/NDF : 1435251.6/35

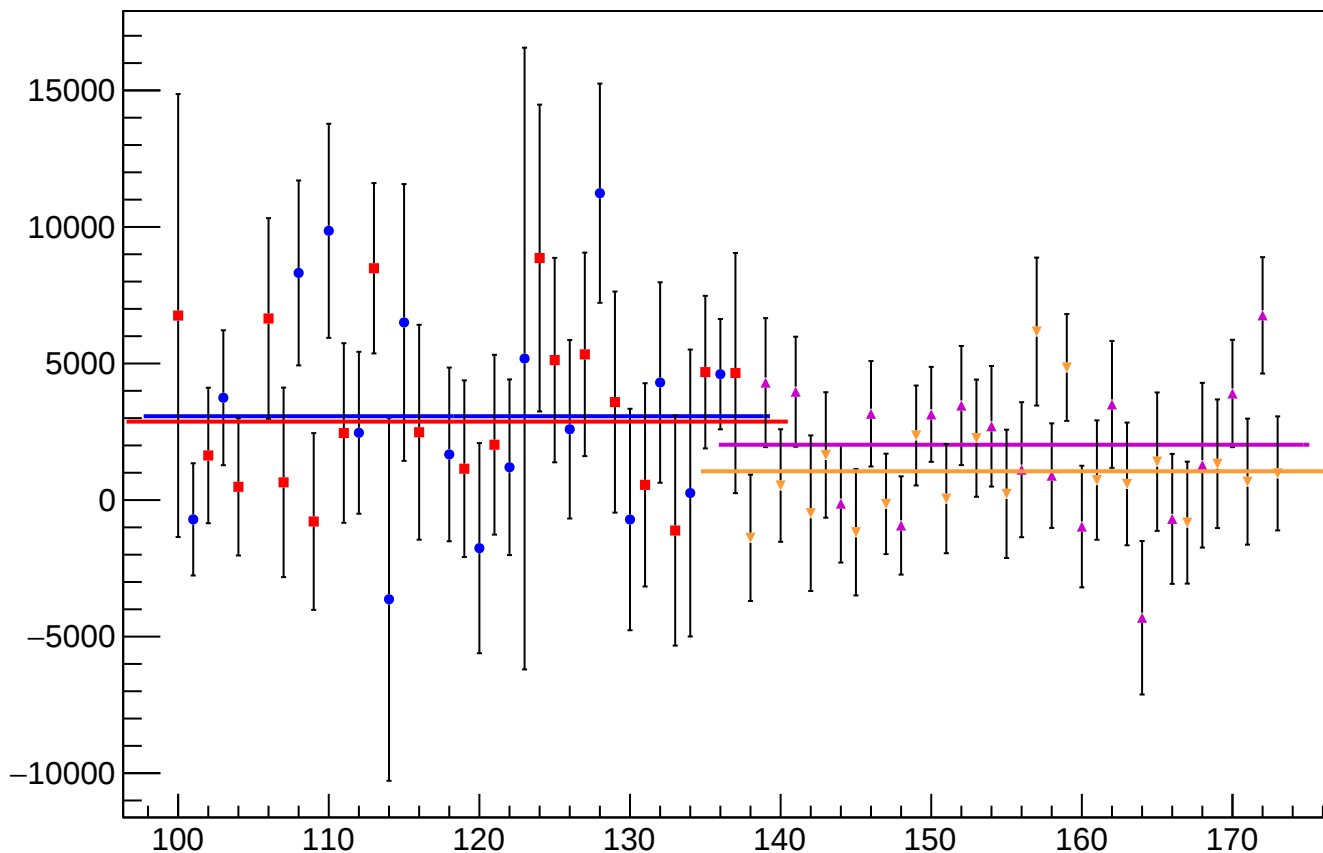
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1426.139+/-0.281 χ^2/NDF : 898645.6/16

Out: 1436.179+/-0.273 χ^2/NDF : 535950.3/18

All: 1431.301+/-0.196 χ^2/NDF : 1435251.6/35

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1053.877 $\pm$ 504.829 χ^2/NDF : 12.3/18

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

Left In: 2025.471 $\pm$ 521.308 χ^2/NDF : 21.8/16

Left: 1524.075 $\pm$ 362.654 χ^2/NDF : 35.9/35

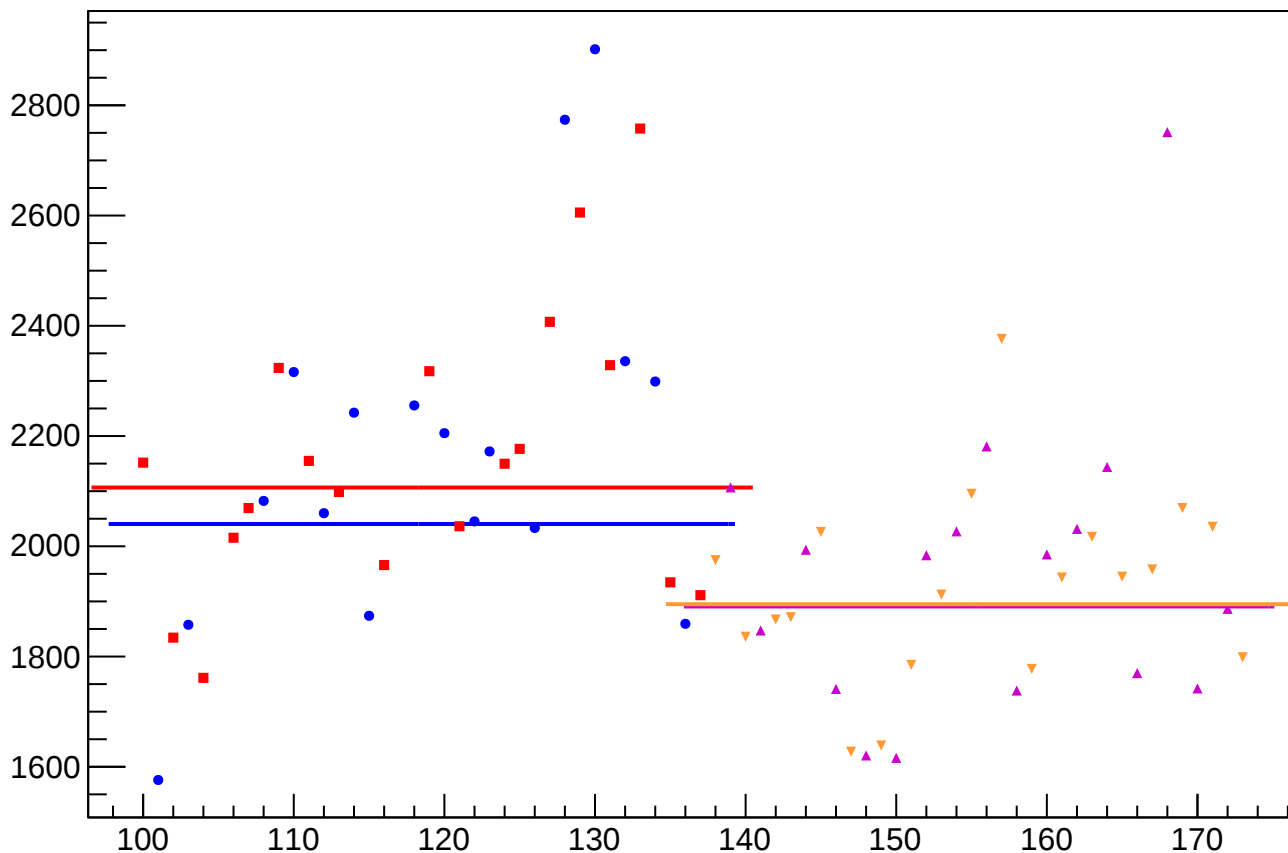
Right: 2970.754 $\pm$ 563.242 χ^2/NDF : 30.1/35

In: 2337.889 $\pm$ 436.392 χ^2/NDF : 41.6/33

Out: 1576.178 $\pm$ 426.221 χ^2/NDF : 27.6/37

All: 1948.054 $\pm$ 304.916 χ^2/NDF : 70.7/71

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1894.900+/-0.357 χ^2/NDF :215396.5/18

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

Left In: 1890.836+/-0.369 χ^2/NDF :387334.8/16

Left: 1892.934+/-0.256 χ^2/NDF : 602794.0/35

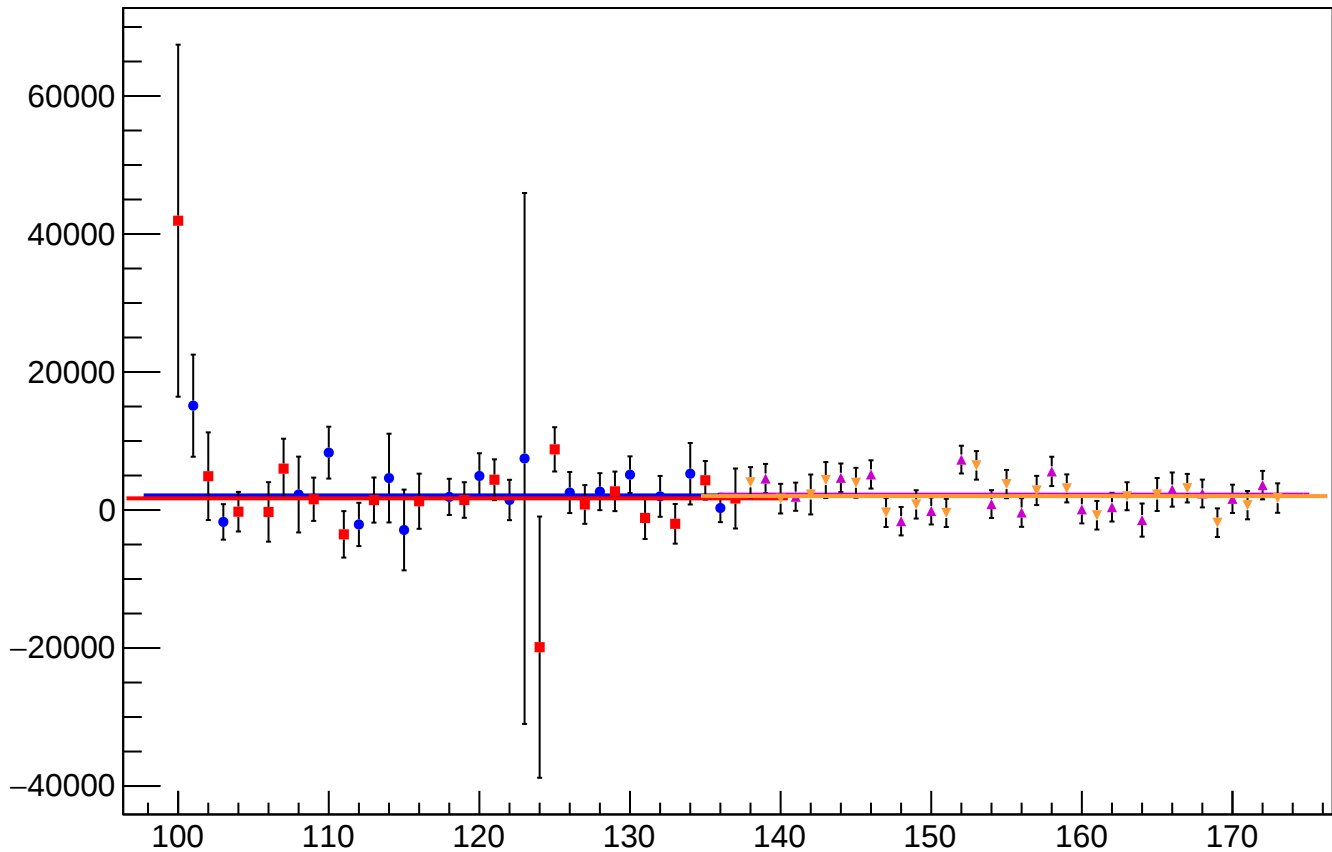
Right: 2073.628+/-0.398 χ^2/NDF : 533659.8/35

In: 1935.603+/-0.309 χ^2/NDF :767959.9/33

Out: 1955.703+/-0.301 χ^2/NDF :511836.5/37

All: 1945.890+/-0.216 χ^2/NDF : 1281967.9/71

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2115.027 $\pm$ 795.794 χ^2 /NDF: 14.2/16

Left Out: 2018.595 $\pm$ 492.624 χ^2 /NDF:17.3/18

Right Out: 1691.127 $\pm$ 784.678 χ^2 /NDF: 17.5/18

Left In: 2232.092 $\pm$ 506.279 χ^2 /NDF:25.3/16

Left: 2122.426 $\pm$ 353.067 χ^2 /NDF: 42.8/35

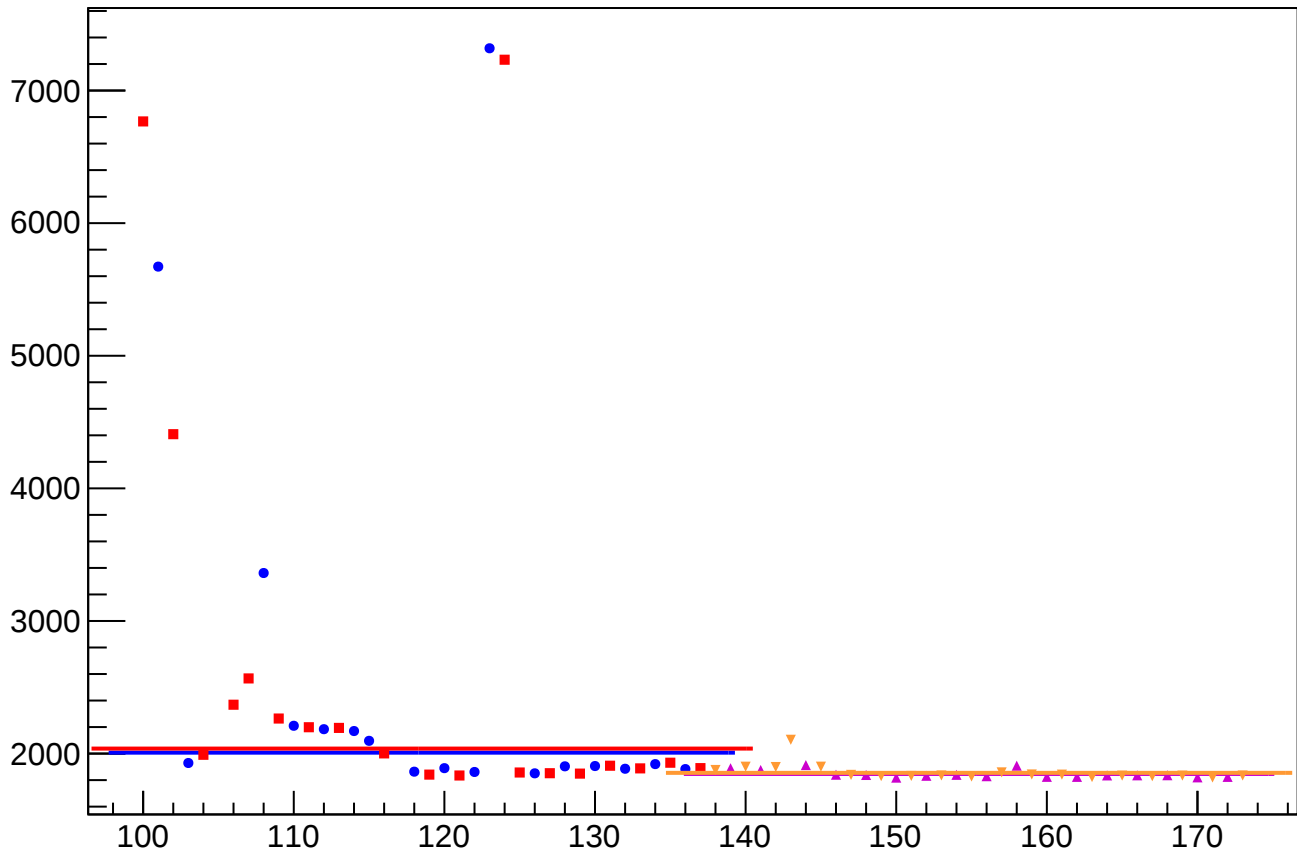
Right: 1900.096 $\pm$ 558.740 χ^2 /NDF: 31.8/35

In: 2198.363 $\pm$ 427.161 χ^2 /NDF:39.5/33

Out: 1926.016 $\pm$ 417.218 χ^2 /NDF:34.9/37

All: 2058.983 $\pm$ 298.471 χ^2 /NDF: 74.6/71

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2007.037+/-0.563 χ^2/NDF : 702361.7/16

Left Out: 1854.781+/-0.348 χ^2/NDF : 24160.5/18

Right Out: 2037.781+/-0.555 χ^2/NDF : 618966.5/18

Left In: 1846.306+/-0.358 χ^2/NDF : 6841.3/16

Left: 1850.659+/-0.250 χ^2/NDF : 31289.7/35

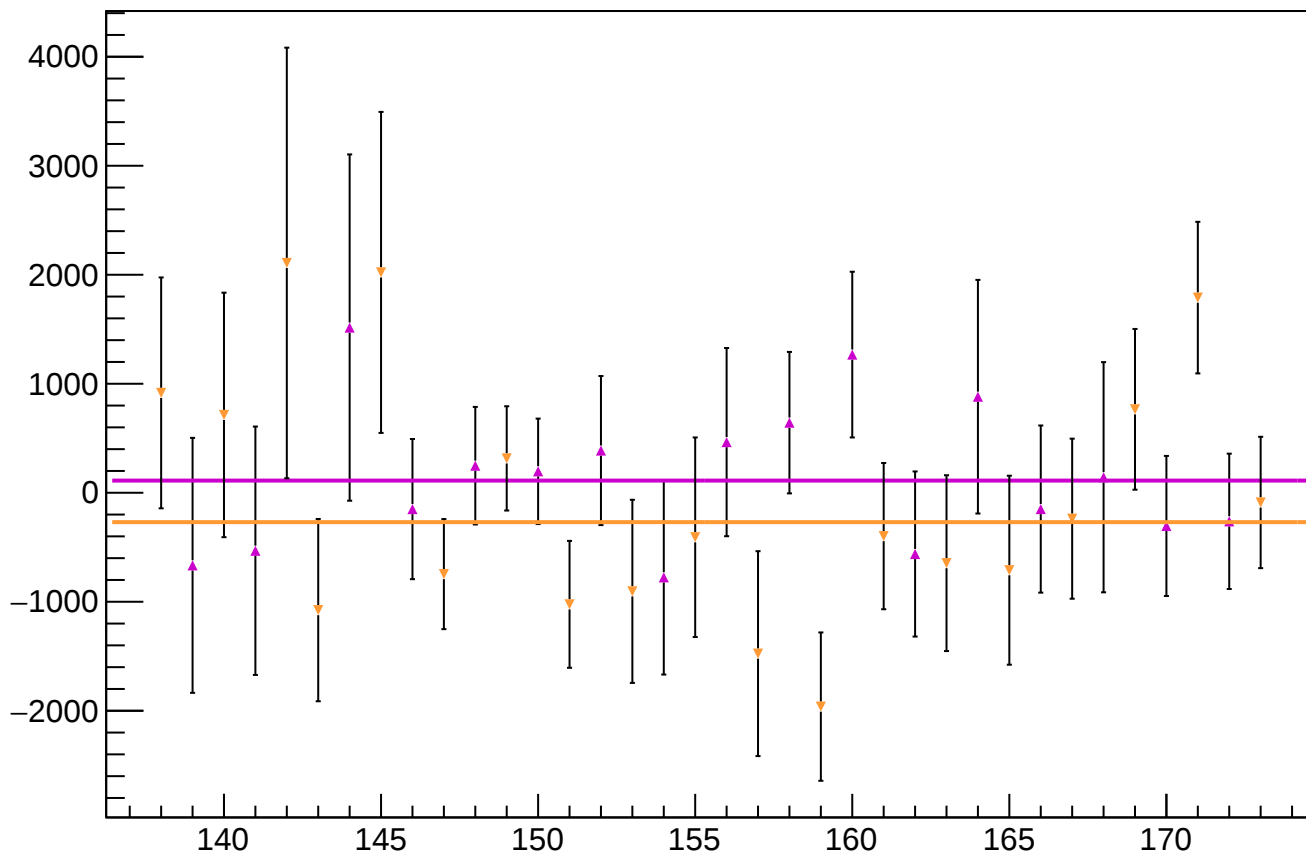
Right: 2022.626+/-0.395 χ^2/NDF : 1322841.6/35

In: 1892.617+/-0.302 χ^2/NDF : 767284.0/33

Out: 1906.517+/-0.295 χ^2/NDF : 721154.1/37

All: 1899.731+/-0.211 χ^2/NDF : 1489521.9/71

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -269.571+/-170.038 χ^2/NDF :30.7/18

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

Left In: 111.760+/-179.314 χ^2/NDF :8.3/16

Left: -89.024+/-123.384 χ^2/NDF : 41.4/35

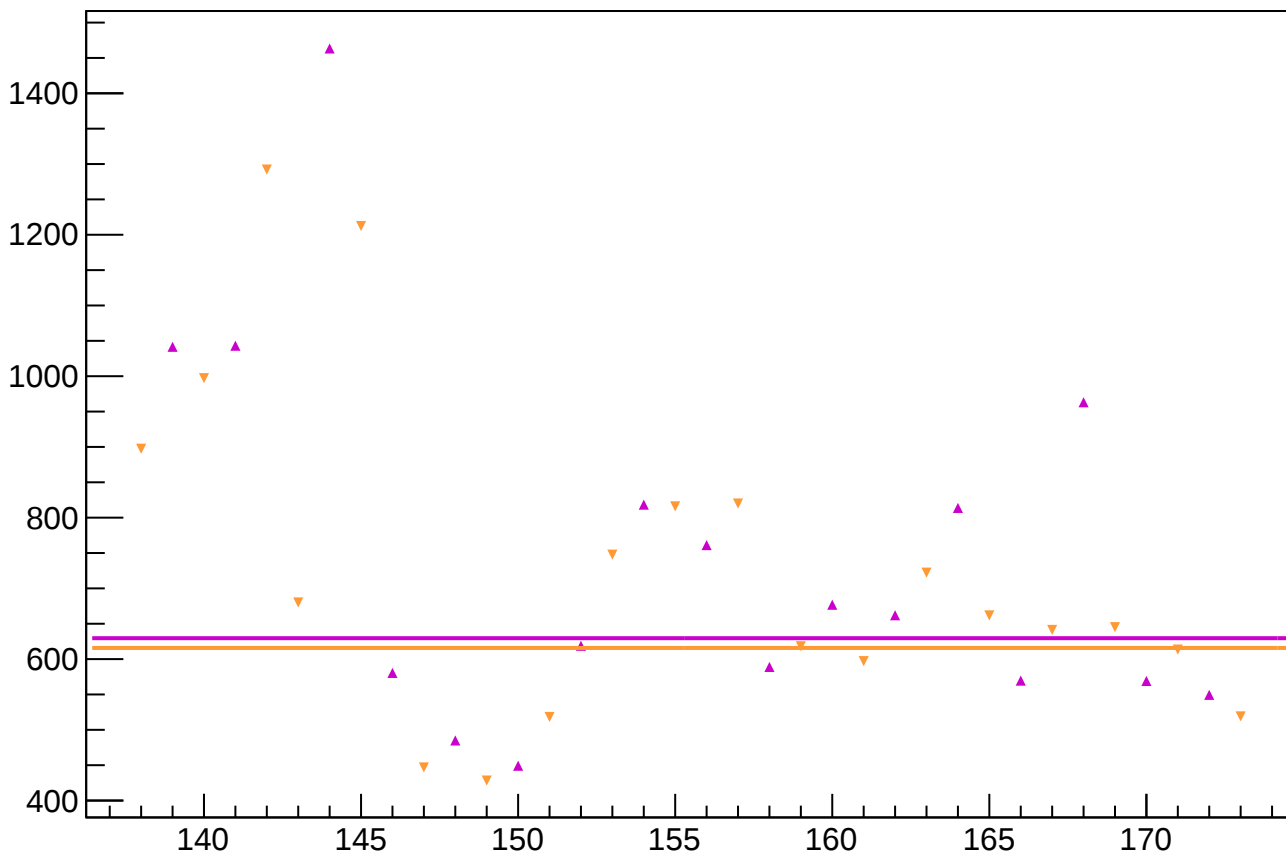
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 111.760+/-179.314 χ^2/NDF :8.3/16

Out: -269.571+/-170.038 χ^2/NDF :30.7/18

All: -89.024+/-123.384 χ^2/NDF : 41.4/35

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 615.774+/-0.120 χ^2/NDF :1873480.1/18

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

Left In: 629.568+/-0.127 χ^2/NDF :1974166.1/16

Left: 622.305+/-0.087 χ^2/NDF : 3853878.4/35

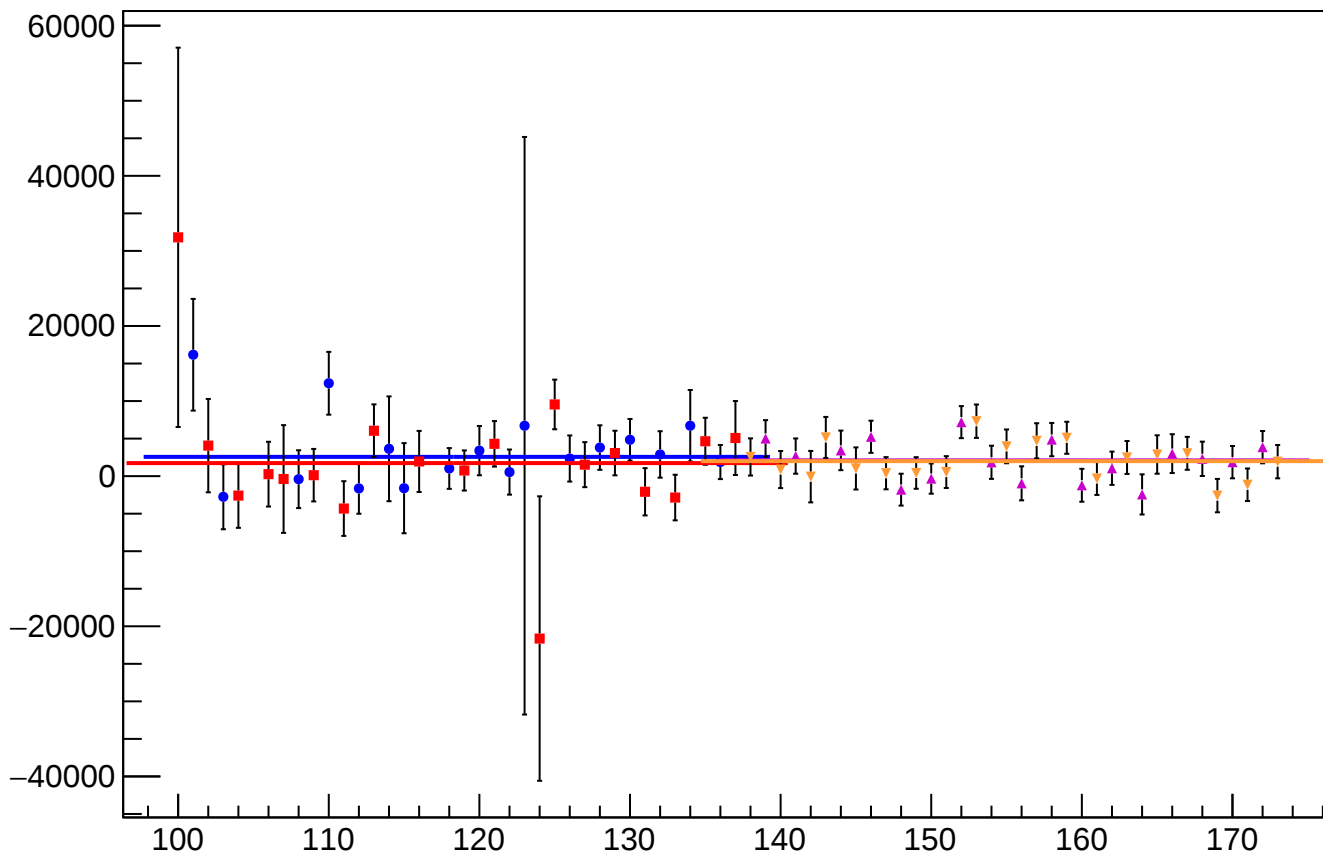
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 629.568+/-0.127 χ^2/NDF :1974166.1/16

Out: 615.774+/-0.120 χ^2/NDF :1873480.1/18

All: 622.305+/-0.087 χ^2/NDF : 3853878.4/35

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 1998.084 $\pm$ 531.782 χ^2 /NDF:21.5/18

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

Left In: 2100.571 $\pm$ 548.349 χ^2 /NDF:24.0/16

Left: 2047.756 $\pm$ 381.749 χ^2 /NDF: 45.5/35

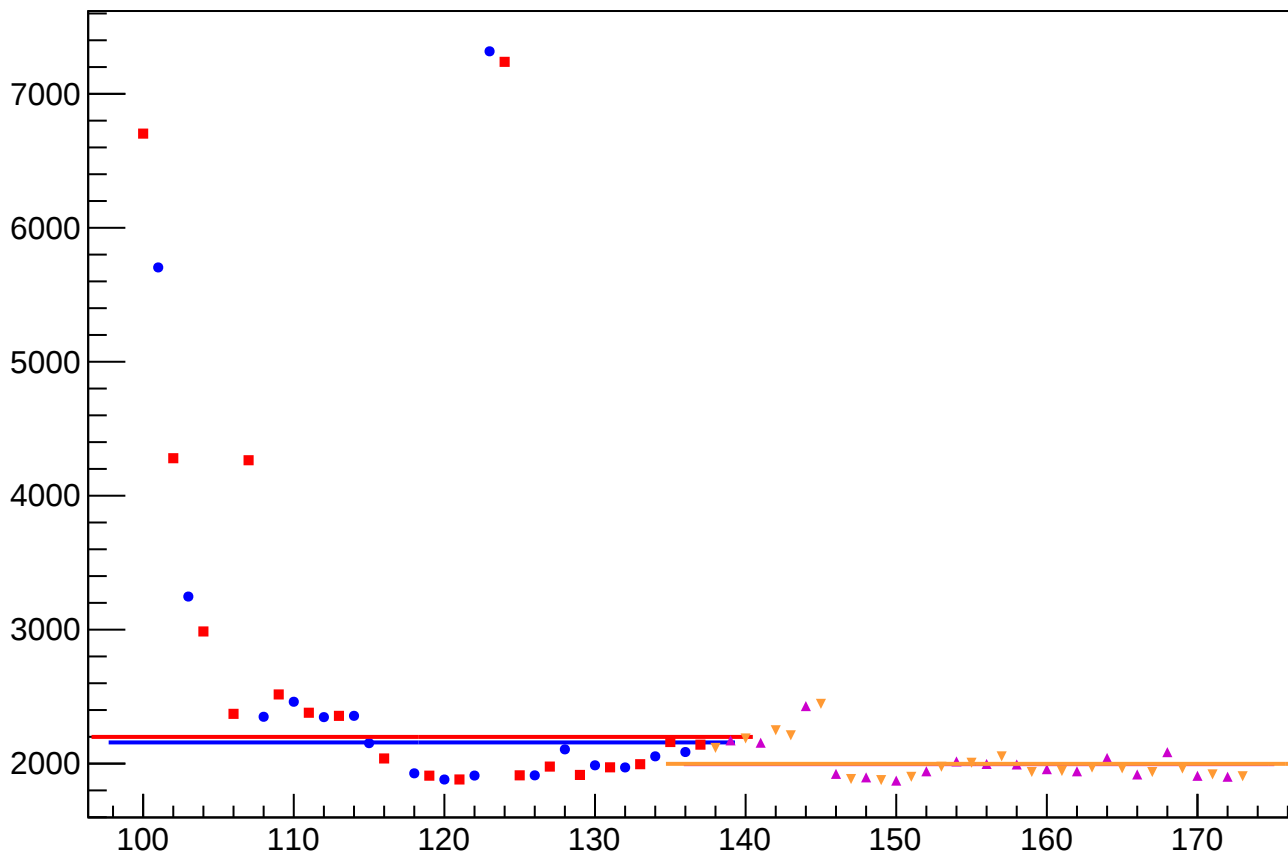
Right: 2150.830 $\pm$ 604.316 χ^2 /NDF: 36.5/35

In: 2236.205 $\pm$ 461.748 χ^2 /NDF:39.8/33

Out: 1925.226 $\pm$ 451.296 χ^2 /NDF:42.1/37

All: 2077.156 $\pm$ 322.746 χ^2 /NDF: 82.1/71

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2158.148+/-0.605 χ^2/NDF : 713862.1/16

Left Out: 1998.236+/-0.376 χ^2/NDF : 119686.4/18

Right Out: 2199.343+/-0.603 χ^2/NDF : 803022.0/18

Left In: 1995.960+/-0.388 χ^2/NDF : 103619.6/16

Left: 1997.133+/-0.270 χ^2/NDF : 223323.7/35

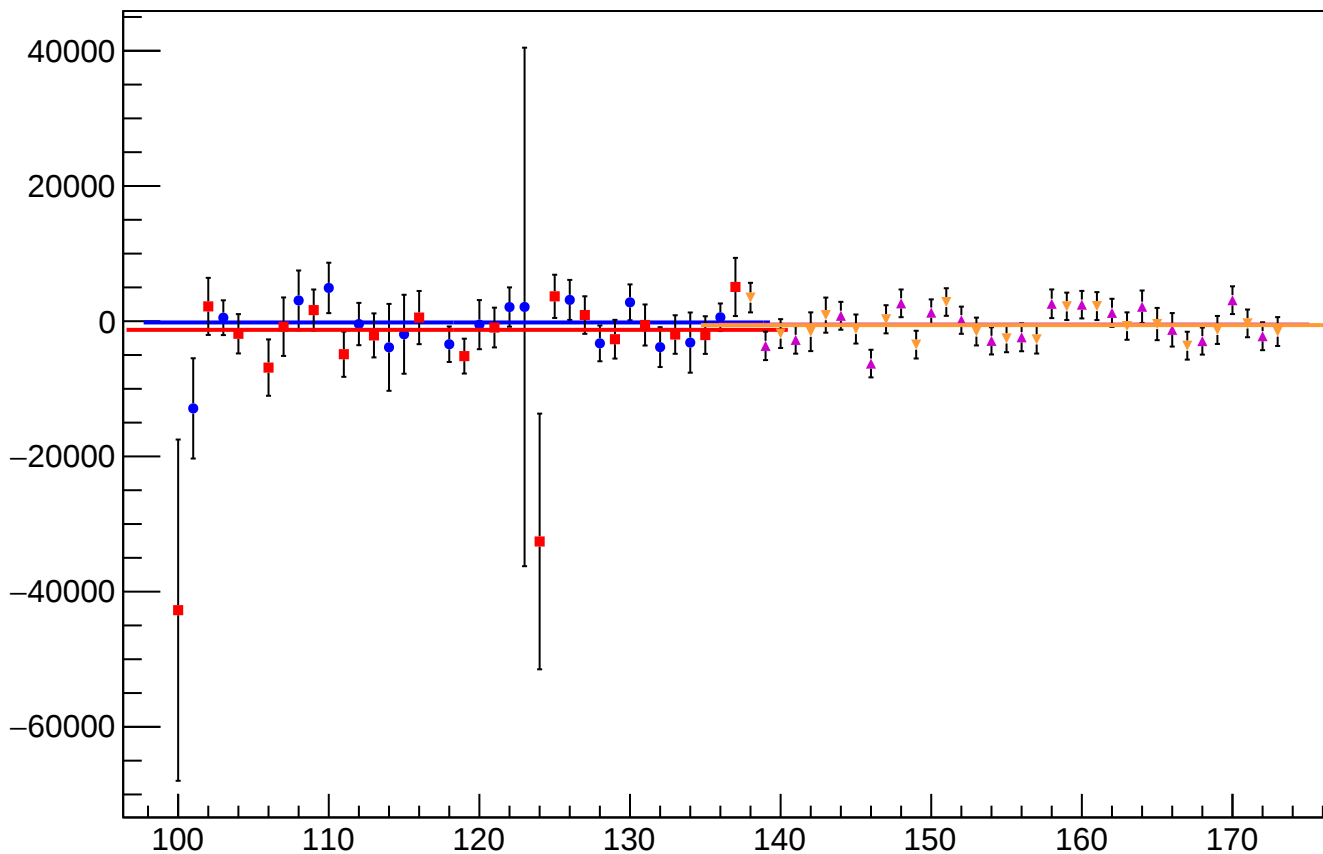
Right: 2178.816+/-0.427 χ^2/NDF : 1519207.5/35

In: 2043.143+/-0.327 χ^2/NDF : 868383.2/33

Out: 2054.505+/-0.319 χ^2/NDF : 1002739.7/37

All: 2048.954+/-0.228 χ^2/NDF : 1871742.1/71

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -184.386+/-792.384 χ^2/NDF : 14.0/16

Left Out: -576.385+/-491.011 χ^2/NDF : 17.7/18

Right Out: -1277.929+/-772.384 χ^2/NDF : 18.2/18

Left In: -505.170+/-504.860 χ^2/NDF : 28.9/16

Left: -541.768+/-351.991 χ^2/NDF : 46.5/35

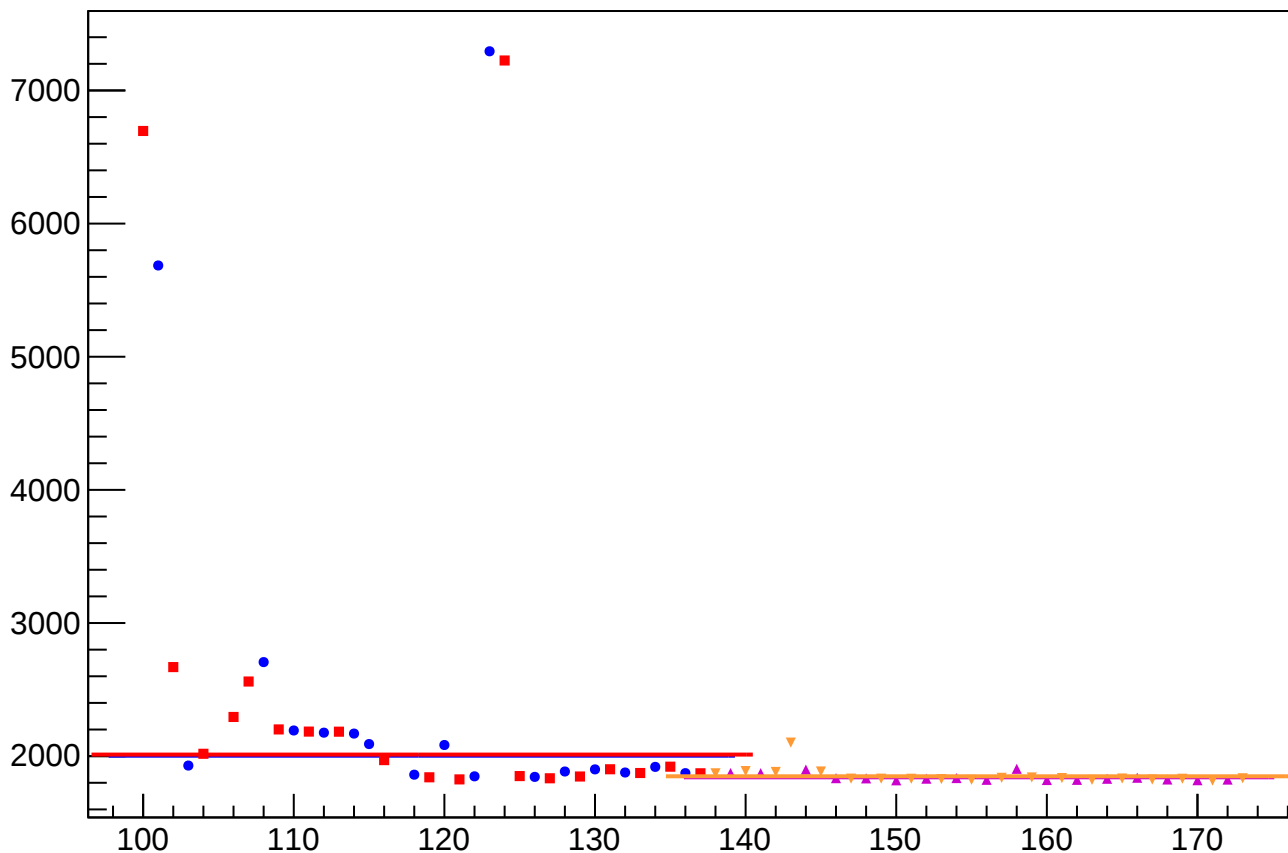
Right: -745.132+/-553.094 χ^2/NDF : 33.2/35

In: -412.548+/-425.781 χ^2/NDF : 43.0/33

Out: -778.298+/-414.370 χ^2/NDF : 36.5/37

All: -600.390+/-296.956 χ^2/NDF : 79.8/71

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2003.545 $\pm$ 0.560 χ^2 /NDF: 634133.6/16

Left Out: 1848.788 $\pm$ 0.347 χ^2 /NDF:23324.6/18

Right Out: 2011.800 $\pm$ 0.546 χ^2 /NDF: 377955.0/18

Left In: 1841.198 $\pm$ 0.357 χ^2 /NDF:5796.9/16

Left: 1845.098 $\pm$ 0.249 χ^2 /NDF: 29353.8/35

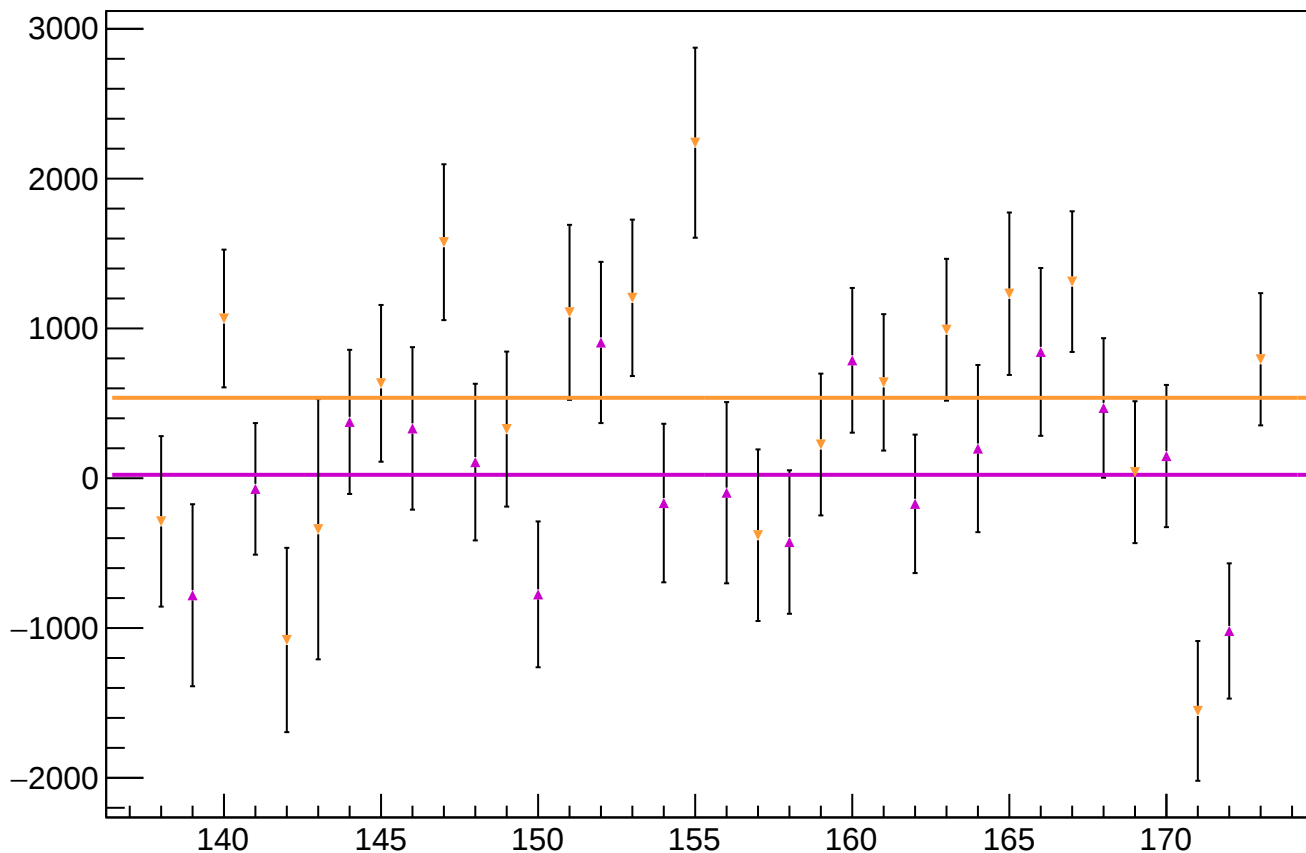
Right: 2007.778 $\pm$ 0.391 χ^2 /NDF: 1012199.9/35

In: 1888.074 $\pm$ 0.301 χ^2 /NDF:699644.1/33

Out: 1895.705 $\pm$ 0.293 χ^2 /NDF:464724.9/37

All: 1891.993 $\pm$ 0.210 χ^2 /NDF: 1164699.0/71

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 536.979+/-118.782 χ^2/NDF : 55.2/18

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

Left In: 22.812+/-122.240 χ^2/NDF : 20.4/16

Left: 287.271+/-85.188 χ^2/NDF : 84.6/35

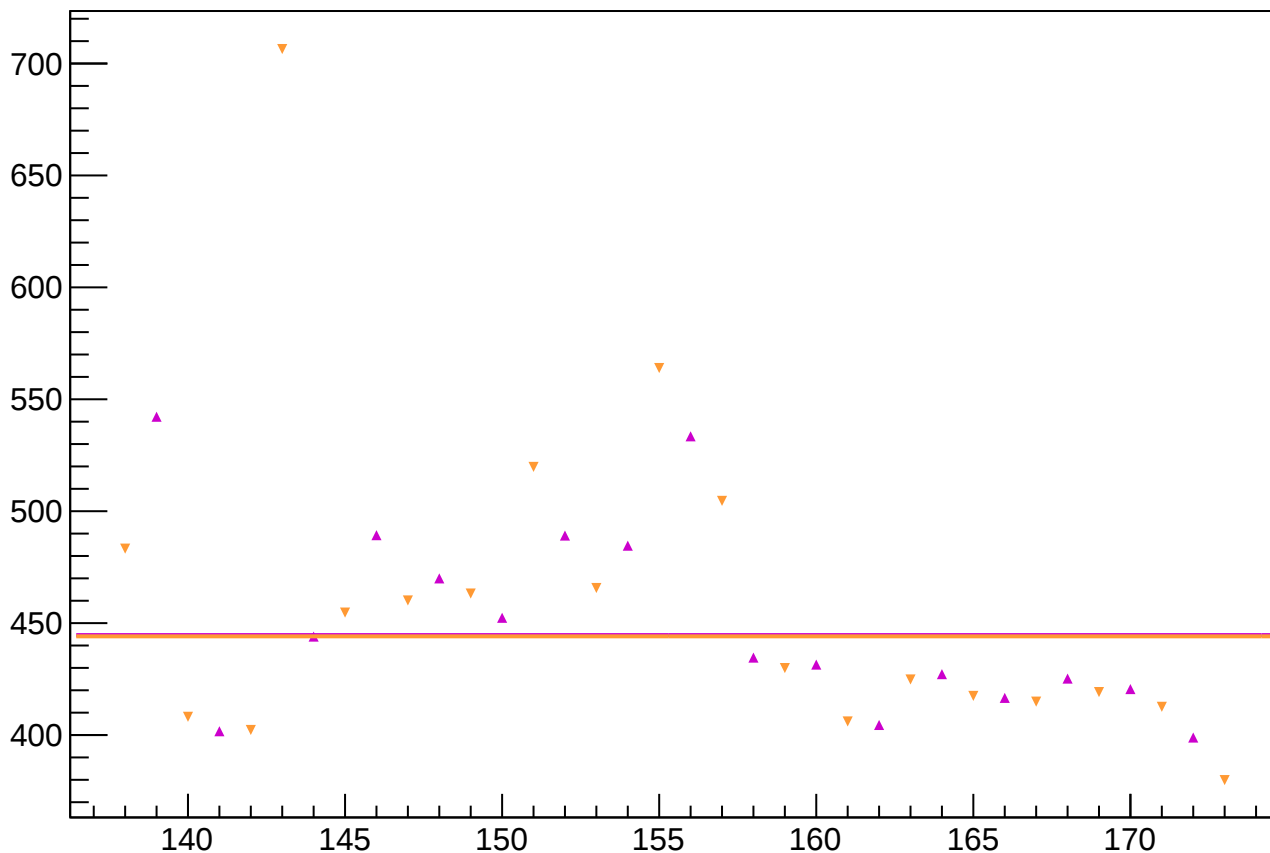
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 22.812+/-122.240 χ^2/NDF : 20.4/16

Out: 536.979+/-118.782 χ^2/NDF : 55.2/18

All: 287.271+/-85.188 χ^2/NDF : 84.6/35

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 444.100+/-0.084 χ^2/NDF : 438152.7/18

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

Left In: 444.654+/-0.086 χ^2/NDF : 211206.3/16

Left: 444.369+/-0.060 χ^2/NDF : 649380.2/35

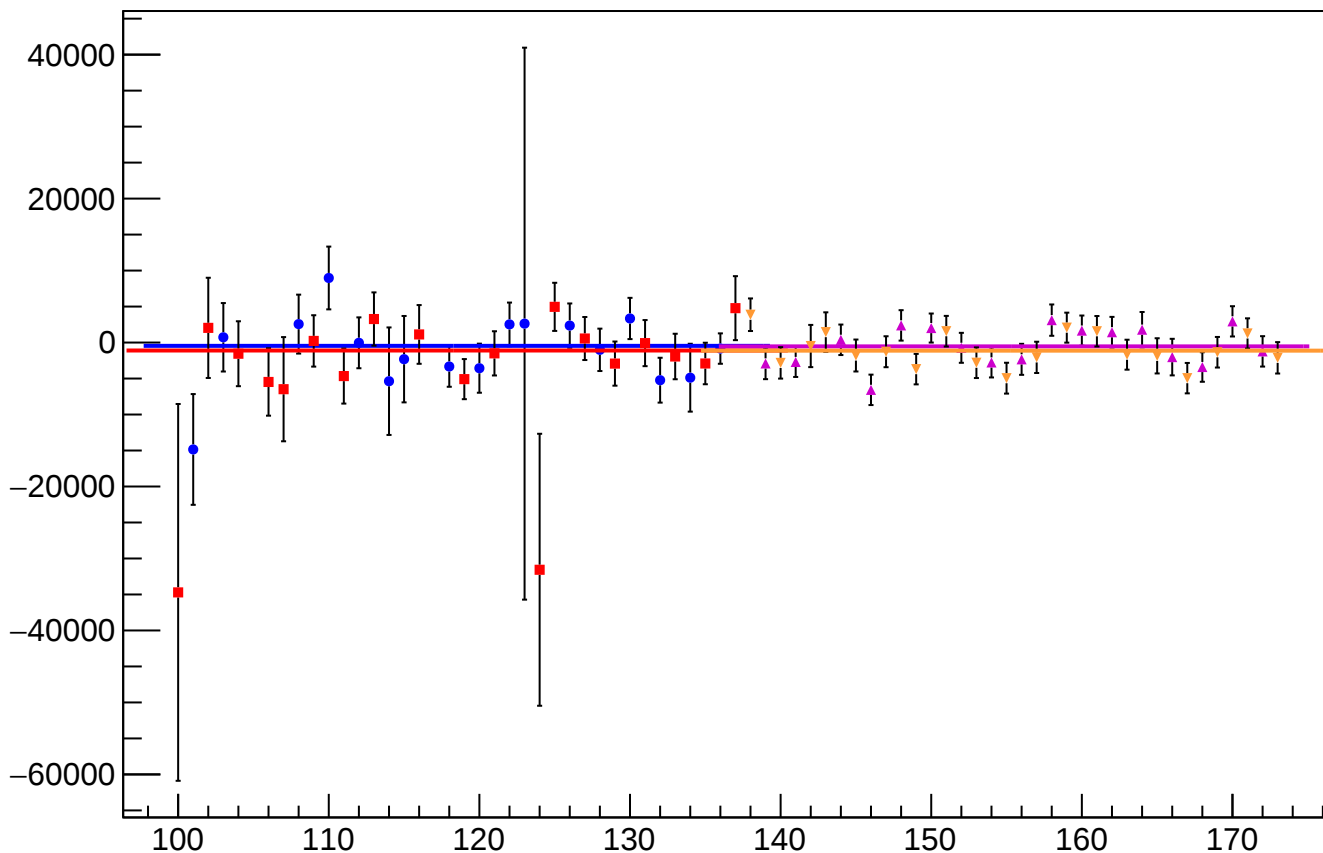
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 444.654+/-0.086 χ^2/NDF : 211206.3/16

Out: 444.100+/-0.084 χ^2/NDF : 438152.7/18

All: 444.369+/-0.060 χ^2/NDF : 649380.2/35

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -1125.192 ± 506.233 χ^2/NDF : 22.5/18

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

Left In: -532.918 ± 519.801 χ^2/NDF : 26.8/16

Left: -836.886 ± 362.663 χ^2/NDF : 49.9/35

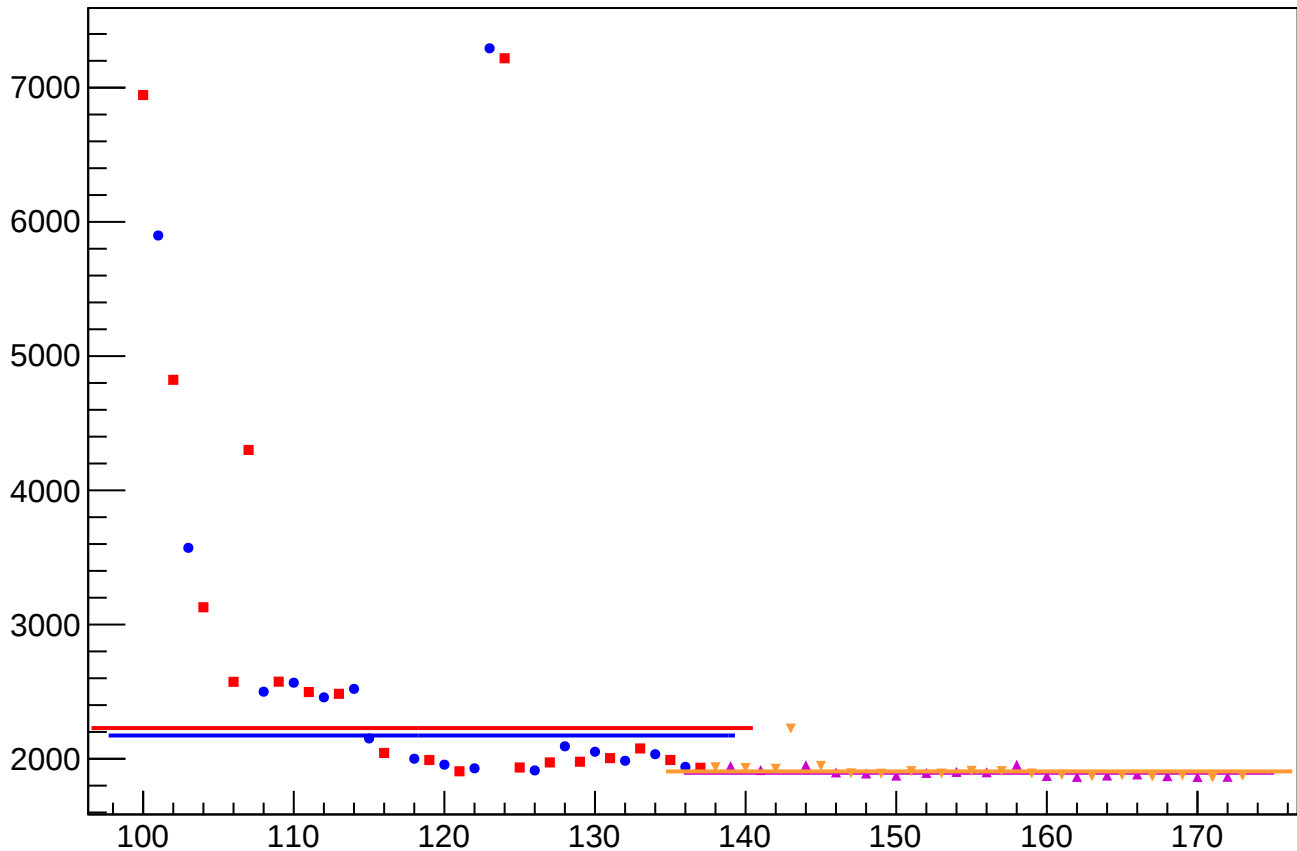
Right: -780.562 ± 612.463 χ^2/NDF : 35.2/35

In: -513.129 ± 445.564 χ^2/NDF : 44.8/33

Out: -1119.885 ± 437.188 χ^2/NDF : 39.4/37

All: -822.264 ± 312.058 χ^2/NDF : 85.1/71

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2173.529+/-0.612 χ^2/NDF : 805360.7/16

Left Out: 1906.003+/-0.358 χ^2/NDF : 32385.3/18

Right Out: 2228.892+/-0.613 χ^2/NDF : 895863.4/18

Left In: 1895.831+/-0.368 χ^2/NDF : 6378.6/16

Left: 1901.051+/-0.256 χ^2/NDF : 39157.0/35

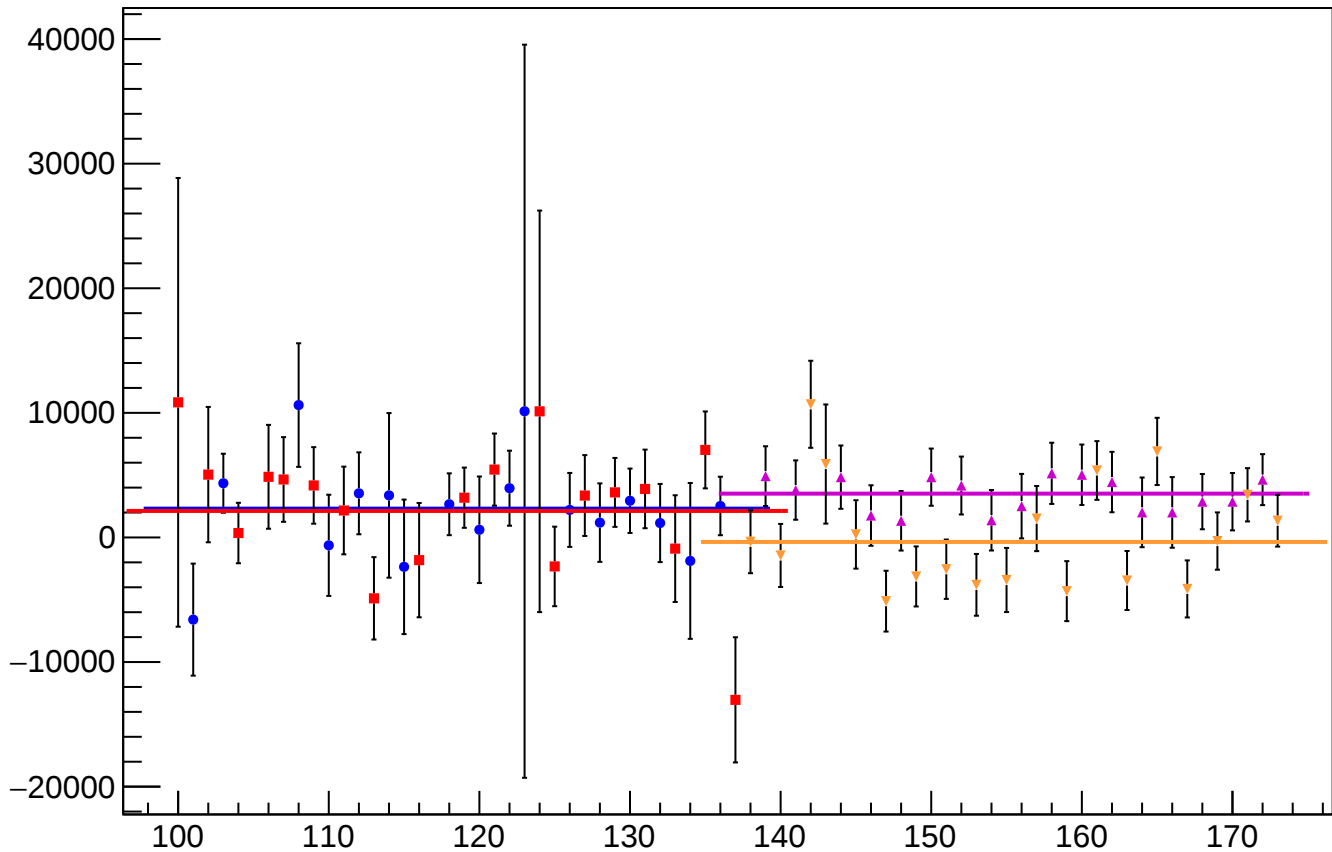
Right: 2201.146+/-0.433 χ^2/NDF : 1705309.7/35

In: 1969.487+/-0.315 χ^2/NDF : 963143.4/33

Out: 1988.075+/-0.309 χ^2/NDF : 1135060.9/37

All: 1978.957+/-0.221 χ^2/NDF : 2099977.8/71

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2311.075 $\pm$ 821.924 χ^2 /NDF: 10.2/16

Left Out: -361.298 $\pm$ 573.074 χ^2 /NDF:45.8/18

Right Out: 2128.072 $\pm$ 791.943 χ^2 /NDF: 24.3/18

Left In: 3516.432 $\pm$ 583.919 χ^2 /NDF:5.3/16

Left: 1541.220 $\pm$ 409.005 χ^2 /NDF: 73.6/35

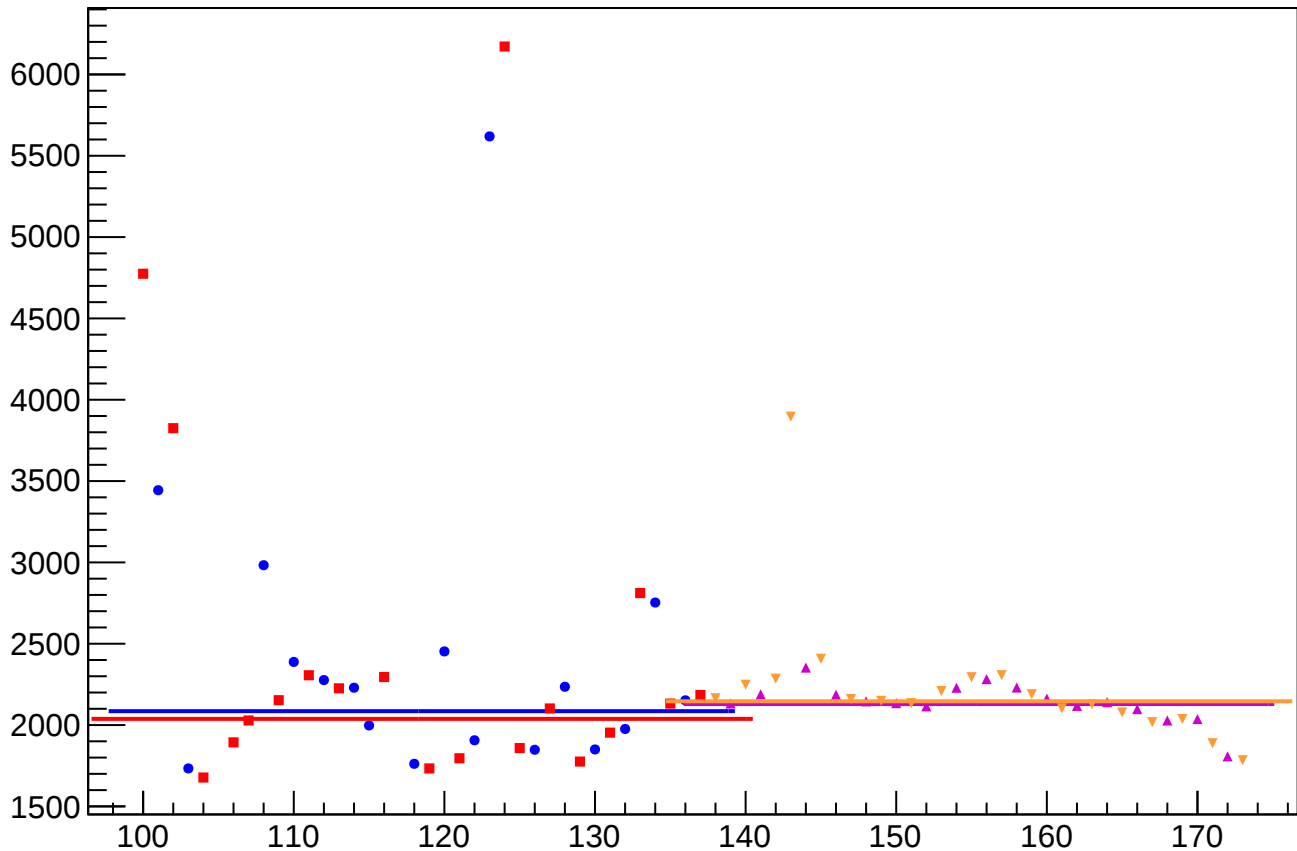
Right: 2216.175 $\pm$ 570.293 χ^2 /NDF: 34.6/35

In: 3112.131 $\pm$ 476.021 χ^2 /NDF:17.0/33

Out: 494.241 $\pm$ 464.269 χ^2 /NDF:76.6/37

All: 1770.470 $\pm$ 332.365 χ^2 /NDF: 109.1/71

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 2085.469 ± 0.581 $\chi^2/\text{NDF}: 457066.0/16$

Left Out: 2146.125 ± 0.405 $\chi^2/\text{NDF}: 411375.9/18$

Right Out: 2038.056 ± 0.560 $\chi^2/\text{NDF}: 609210.7/18$

Left In: 2129.310 ± 0.413 $\chi^2/\text{NDF}: 89439.3/16$

Left: 2137.875 ± 0.289 $\chi^2/\text{NDF}: 501660.1/35$

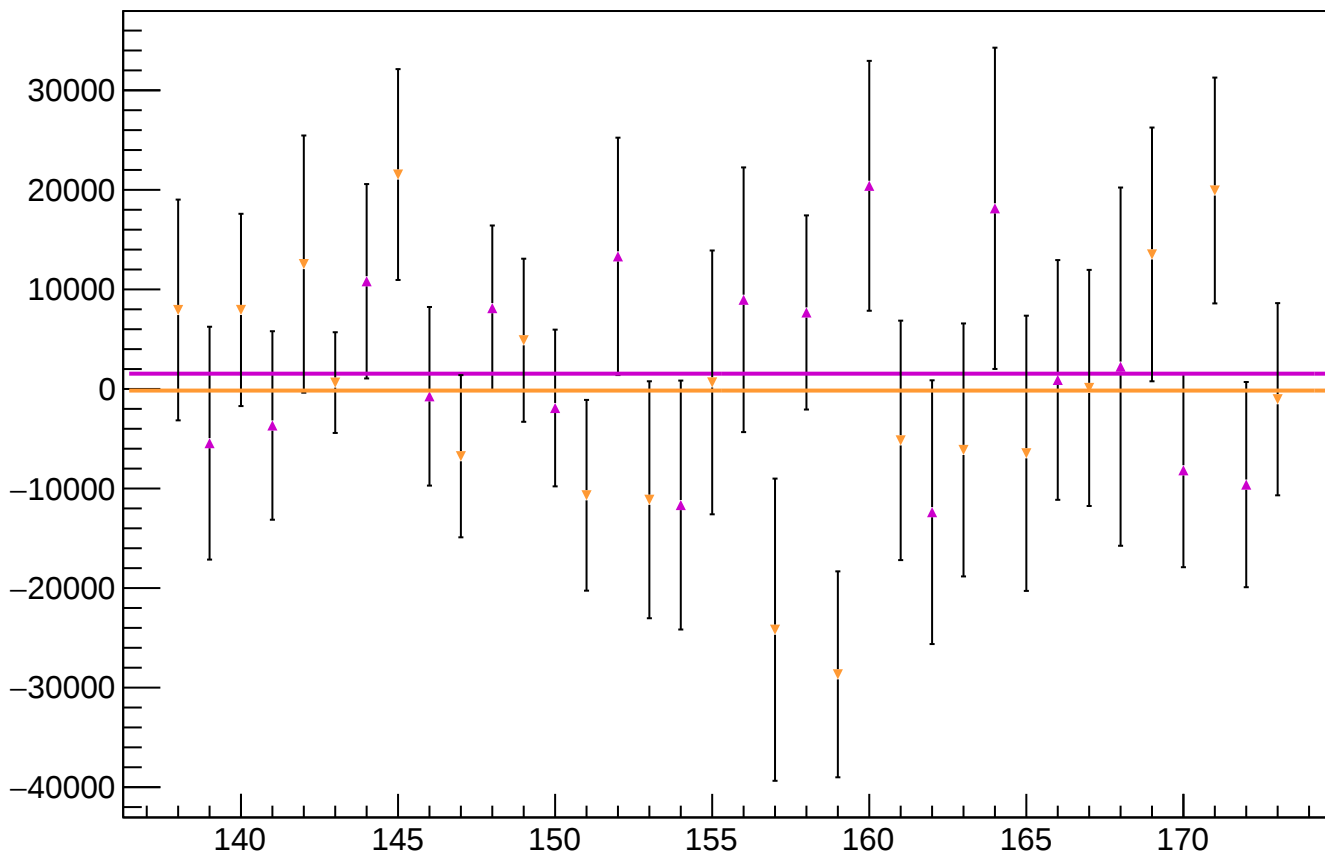
Right: 2060.877 ± 0.403 $\chi^2/\text{NDF}: 1069728.5/35$

In: 2114.605 ± 0.337 $\chi^2/\text{NDF}: 550286.9/33$

Out: 2108.974 ± 0.328 $\chi^2/\text{NDF}: 1045036.9/37$

All: 2111.719 ± 0.235 $\chi^2/\text{NDF}: 1595467.3/71$

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -161.493+/-2292.530 χ^2/NDF :24.5/18

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

Left In: 1535.547+/-2603.984 χ^2/NDF :11.8/16

Left: 579.518+/-1720.698 χ^2/NDF : 36.6/35

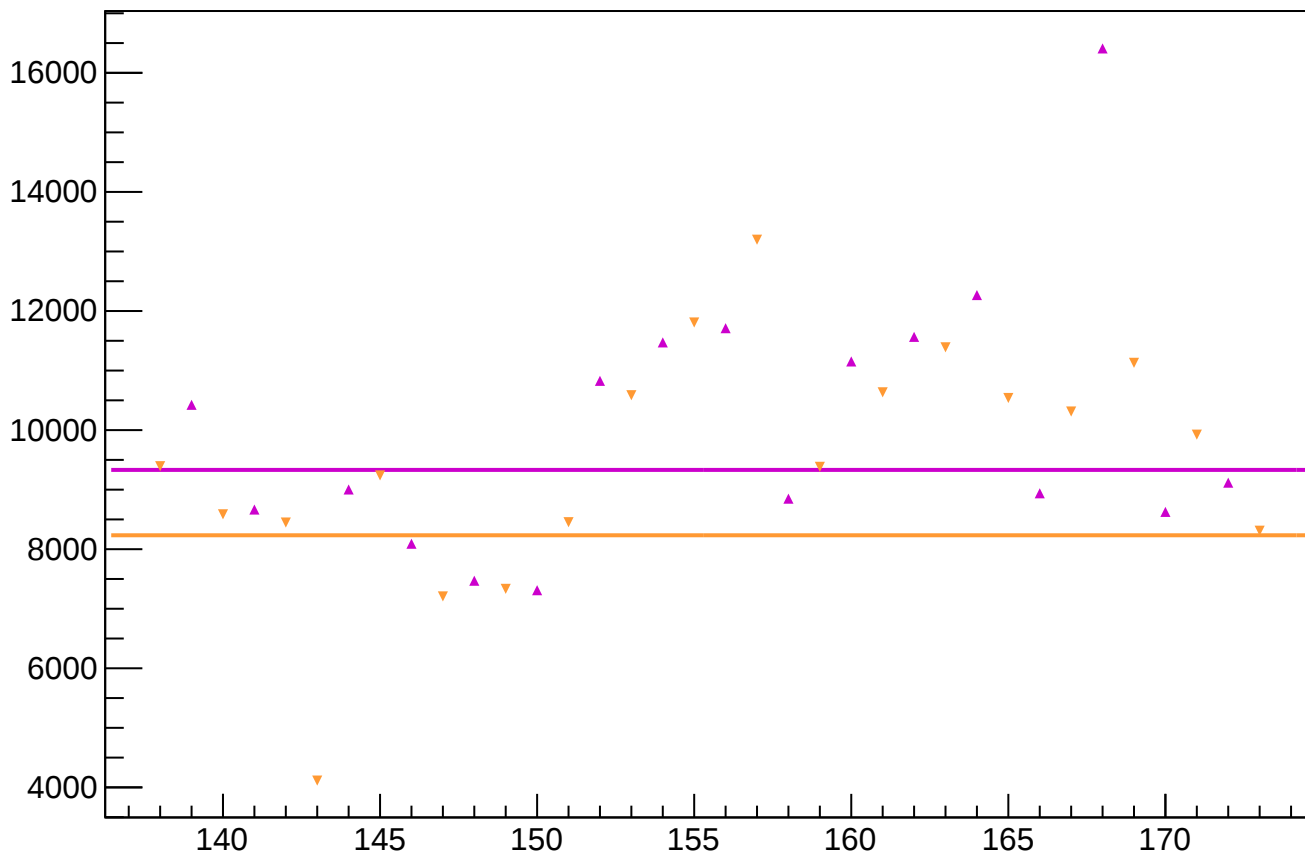
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1535.547+/-2603.984 χ^2/NDF :11.8/16

Out: -161.493+/-2292.530 χ^2/NDF :24.5/18

All: 579.518+/-1720.698 χ^2/NDF : 36.6/35

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 8233.869+/-1.621 χ^2/NDF :2356884.6/18

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

Left In: 9331.663+/-1.841 χ^2/NDF :947483.7/16

Left: 8713.219+/-1.217 χ^2/NDF : 3504619.2/35

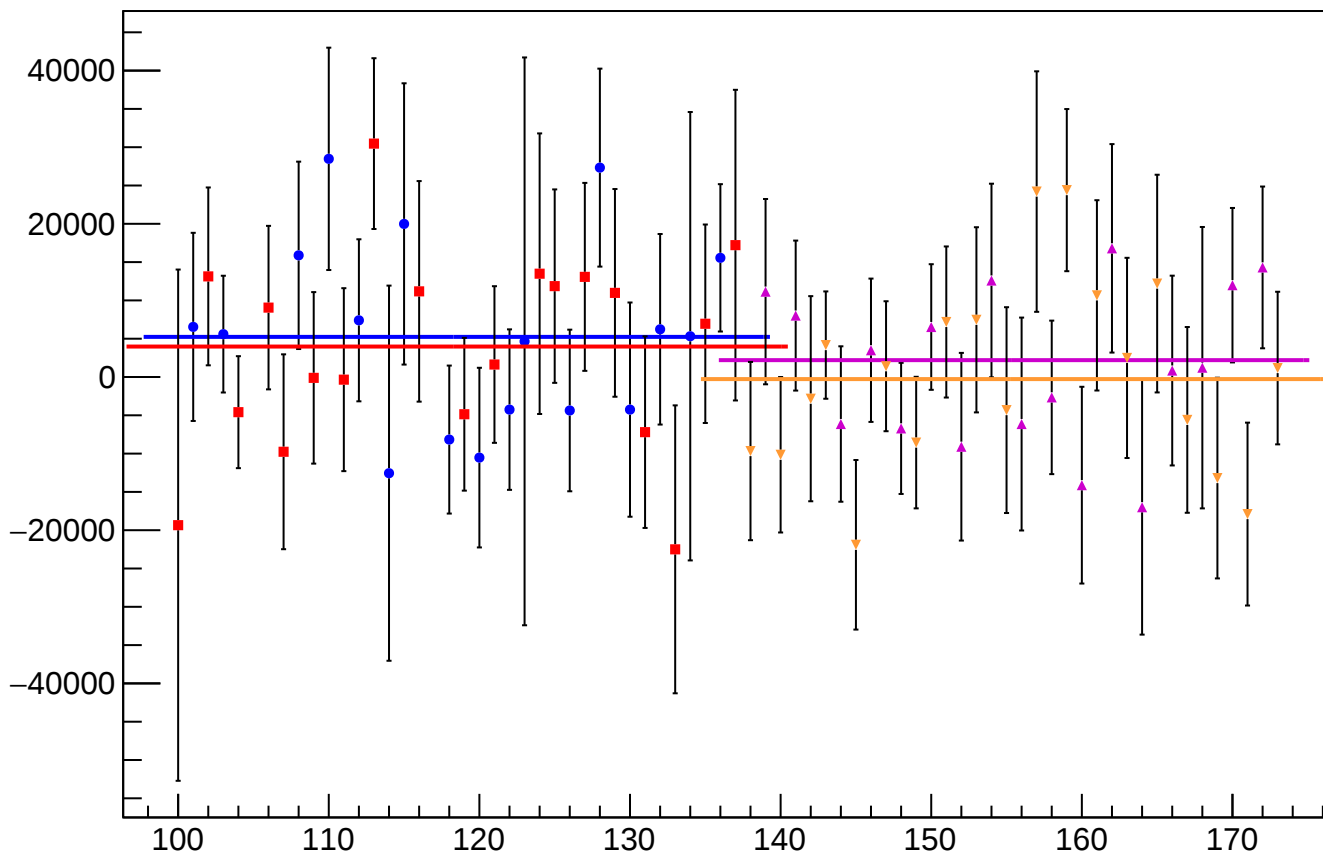
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9331.663+/-1.841 χ^2/NDF :947483.7/16

Out: 8233.869+/-1.621 χ^2/NDF :2356884.6/18

All: 8713.219+/-1.217 χ^2/NDF : 3504619.2/35

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: -272.034+/-2489.677 χ^2/NDF : 20.7/18

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

Left In: 2201.009+/-2688.423 χ^2/NDF : 11.4/16

Left: 869.707+/-1826.693 χ^2/NDF : 32.6/35

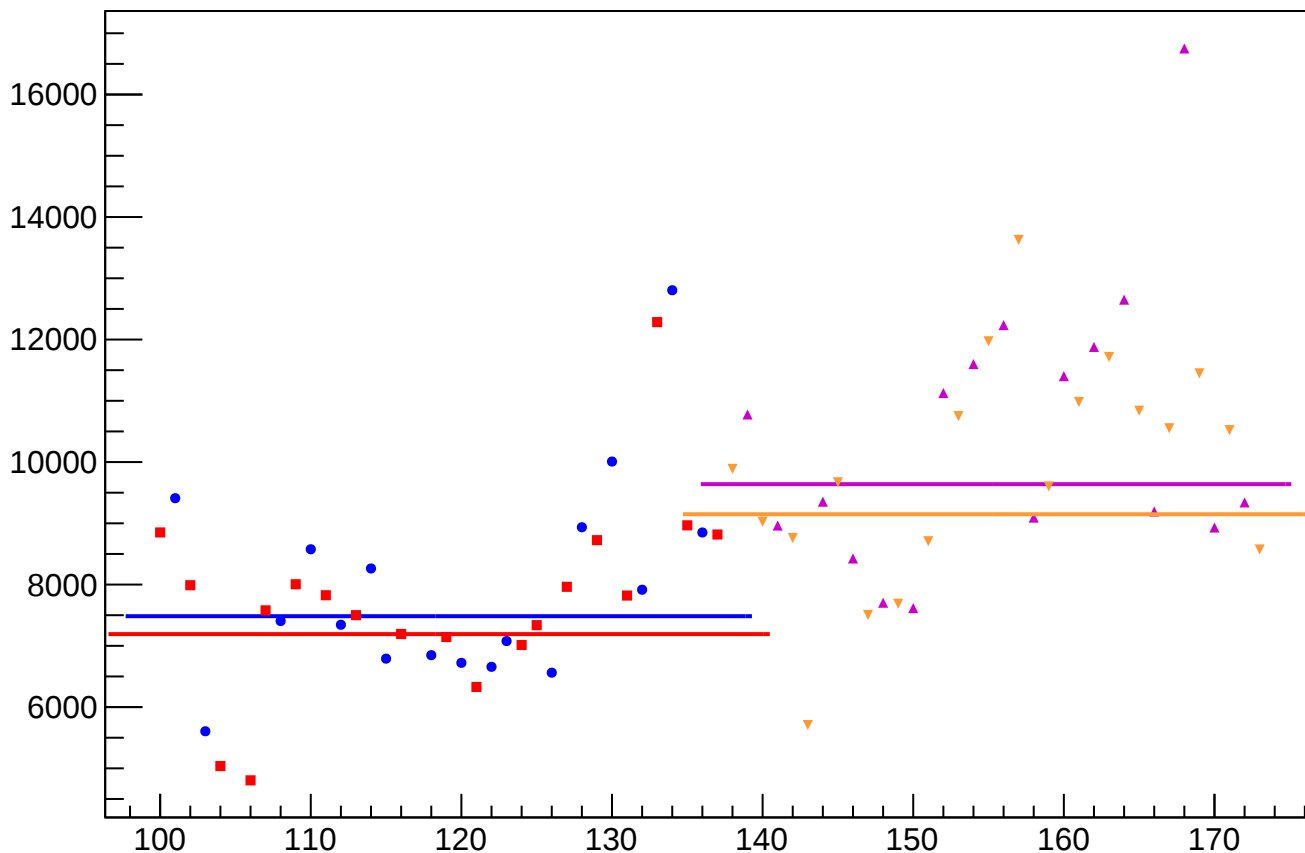
Right: 4573.057+/-2025.948 χ^2/NDF : 30.2/35

In: 3581.126+/-1985.883 χ^2/NDF : 26.5/33

Out: 1610.833+/-1857.729 χ^2/NDF : 37.6/37

All: 2530.359+/-1356.658 χ^2/NDF : 64.7/71

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7483.785 $\pm$ 2.083 χ^2 /NDF: 431806.2/16

Left Out: 9147.994 $\pm$ 1.760 χ^2 /NDF: 1194475.3/18

Right Out: 7191.451 $\pm$ 1.973 χ^2 /NDF: 558753.1/18

Left In: 9639.336 $\pm$ 1.901 χ^2 /NDF: 911177.2/16

Left: 9374.834 $\pm$ 1.292 χ^2 /NDF: 2141614.8/35

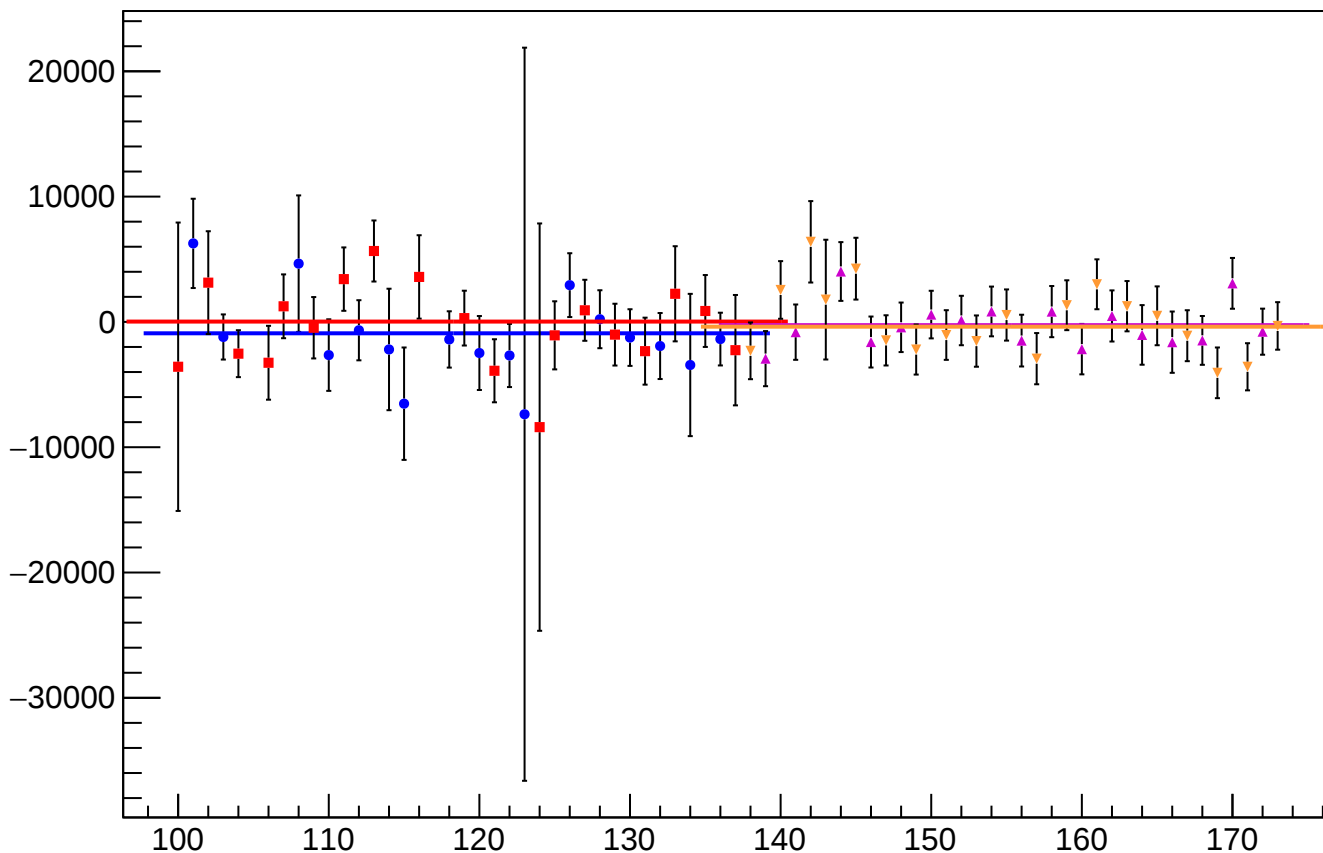
Right: 7329.673 $\pm$ 1.432 χ^2 /NDF: 1000940.7/35

In: 8659.928 $\pm$ 1.404 χ^2 /NDF: 1927176.5/33

Out: 8280.679 $\pm$ 1.314 χ^2 /NDF: 2300760.9/37

All: 8457.664 $\pm$ 0.959 χ^2 /NDF: 4266839.7/71

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -909.107+/-671.360 χ^2/NDF : 10.9/16

Left Out: -380.871+/-491.420 χ^2/NDF :24.5/18

Right Out: 26.566+/-642.141 χ^2/NDF : 17.0/18

Left In: -260.449+/-500.752 χ^2/NDF :11.1/16

Left: -321.793+/-350.739 χ^2/NDF : 35.7/35

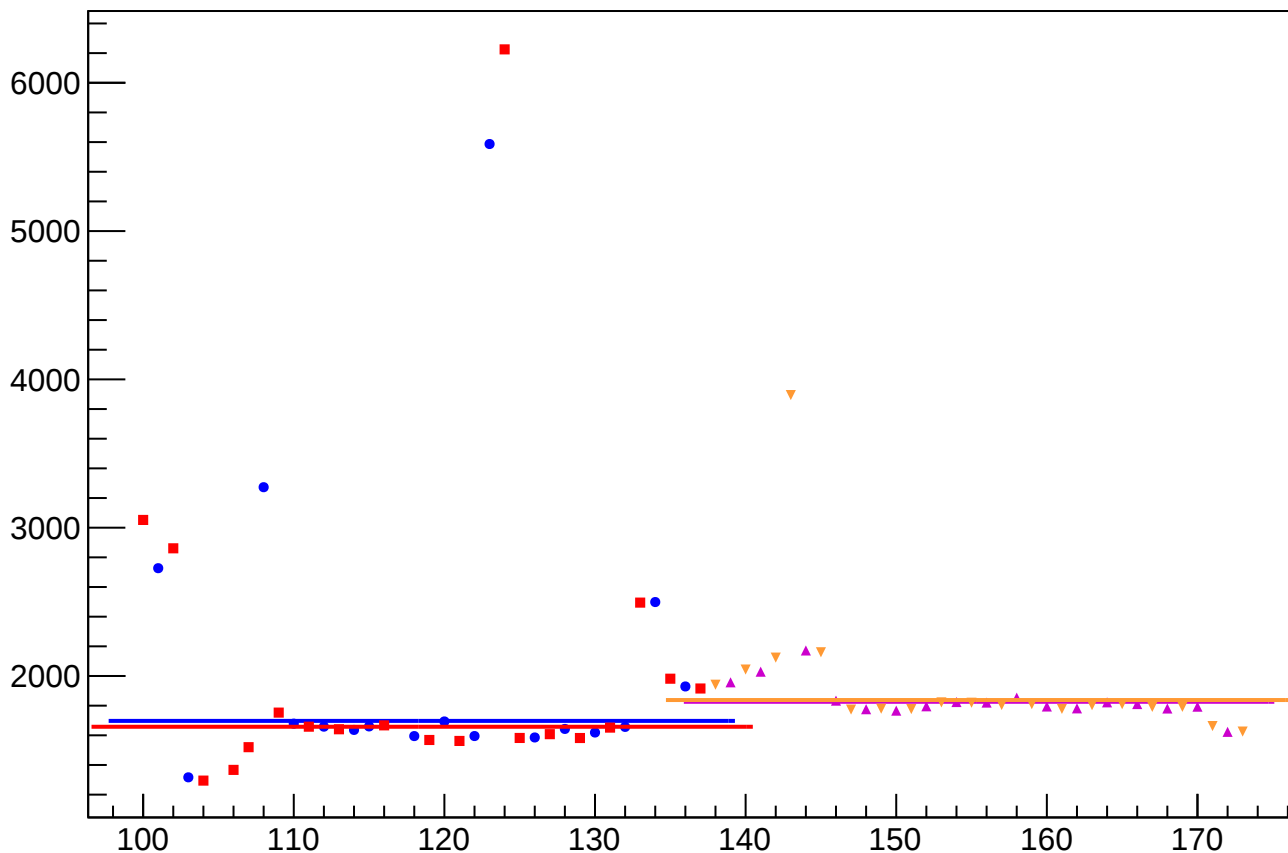
Right: -420.467+/-464.048 χ^2/NDF : 29.0/35

In: -492.321+/-401.395 χ^2/NDF :22.7/33

Out: -230.385+/-390.255 χ^2/NDF :41.8/37

All: -357.668+/-279.807 χ^2/NDF : 64.7/71

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1697.239 $\pm$ 0.475 χ^2/NDF : 539725.9/16

Left Out: 1837.850 $\pm$ 0.347 χ^2/NDF : 494236.1/18

Right Out: 1657.716 $\pm$ 0.454 χ^2/NDF : 603007.7/18

Left In: 1826.096 $\pm$ 0.354 χ^2/NDF : 99159.6/16

Left: 1832.084 $\pm$ 0.248 χ^2/NDF : 593957.1/35

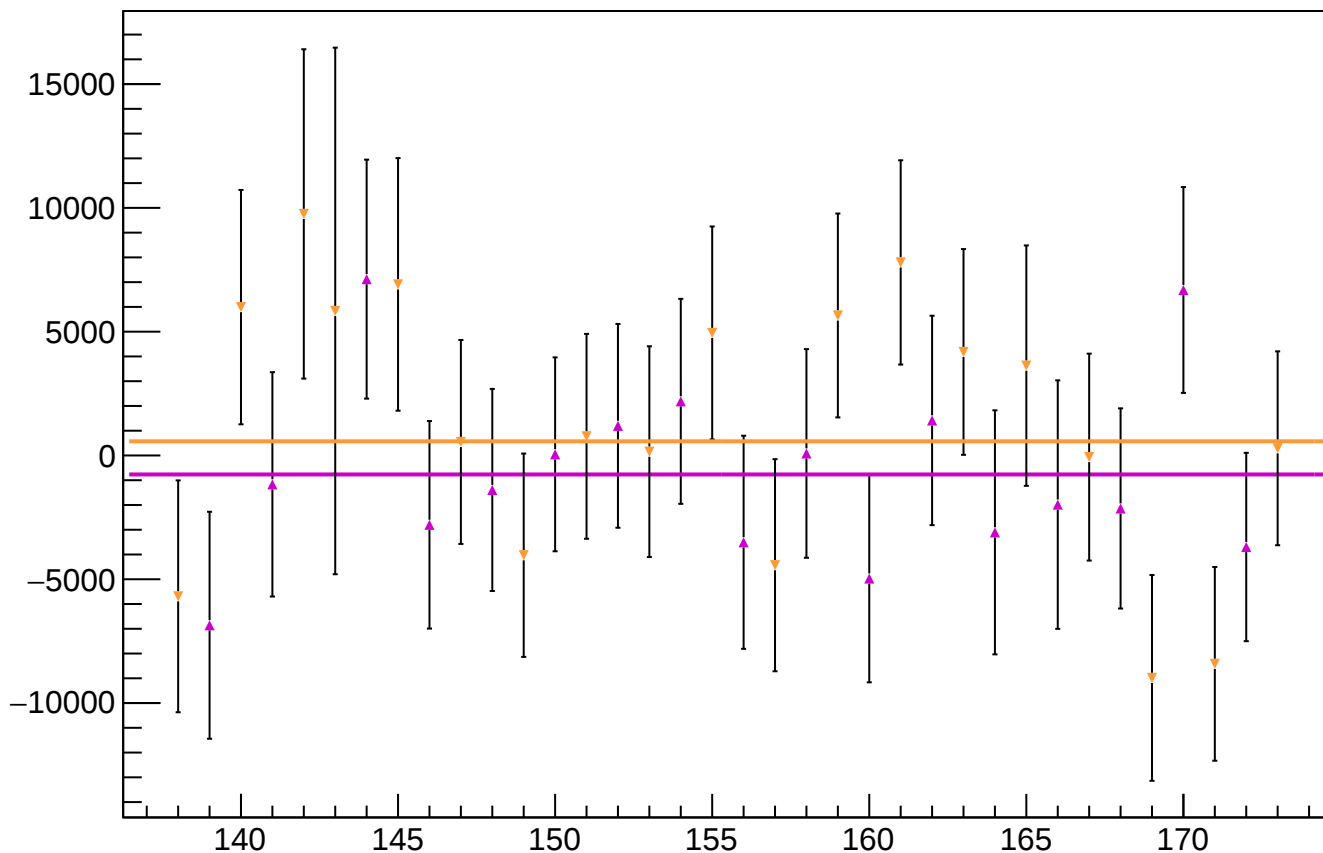
Right: 1676.599 $\pm$ 0.328 χ^2/NDF : 1146353.4/35

In: 1780.034 $\pm$ 0.284 χ^2/NDF : 686226.3/33

Out: 1771.318 $\pm$ 0.276 χ^2/NDF : 1196498.5/37

All: 1775.554 $\pm$ 0.198 χ^2/NDF : 1883209.7/71

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 571.634+/-1018.322 χ^2/NDF :26.8/18

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

Left In: -766.843+/-1036.450 χ^2/NDF :11.4/16

Left: -85.796+/-726.387 χ^2/NDF : 39.1/35

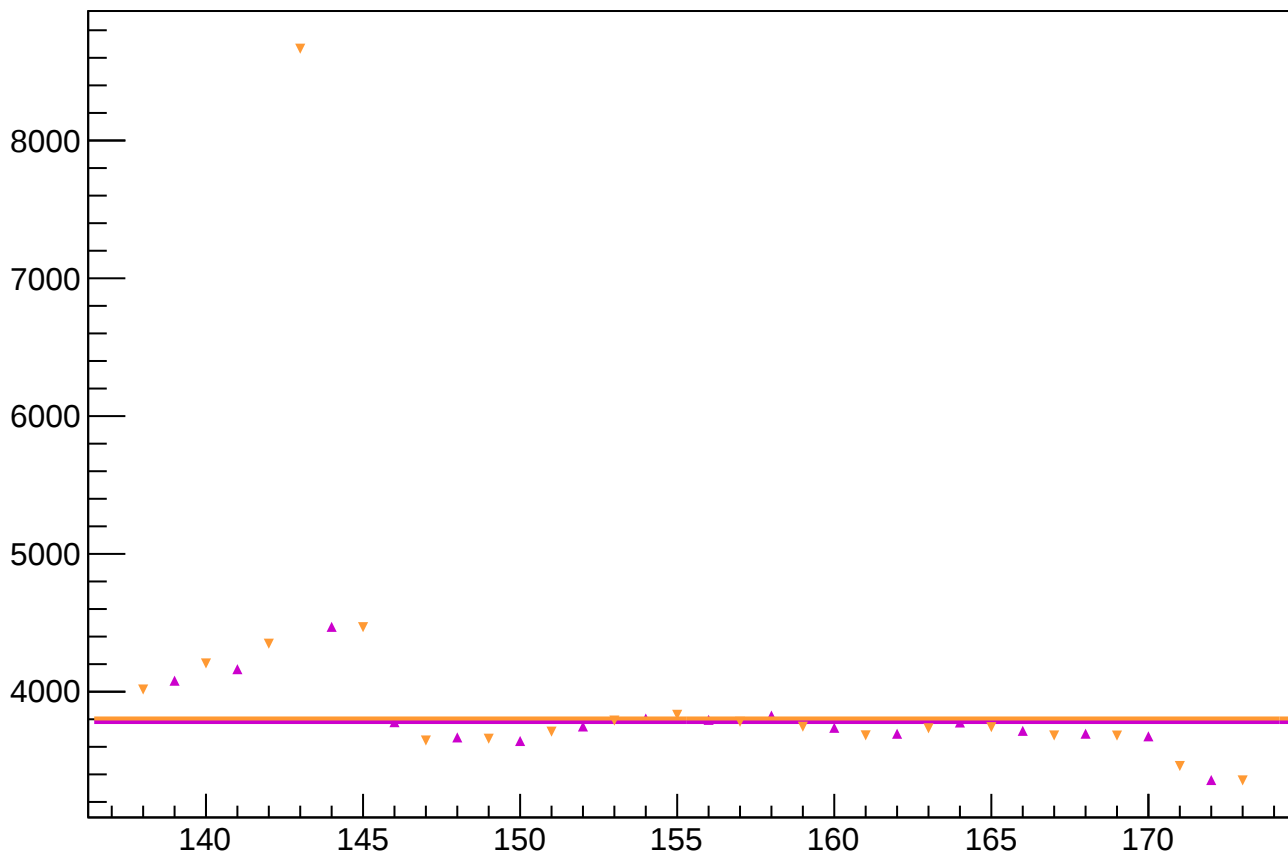
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -766.843+/-1036.450 χ^2/NDF :11.4/16

Out: 571.634+/-1018.322 χ^2/NDF :26.8/18

All: -85.796+/-726.387 χ^2/NDF : 39.1/35

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3805.745+/-0.720 χ^2/NDF :538462.1/18

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

Left In: 3779.933+/-0.733 χ^2/NDF :96223.3/16

Left: 3793.066+/-0.514 χ^2/NDF : 635316.6/35

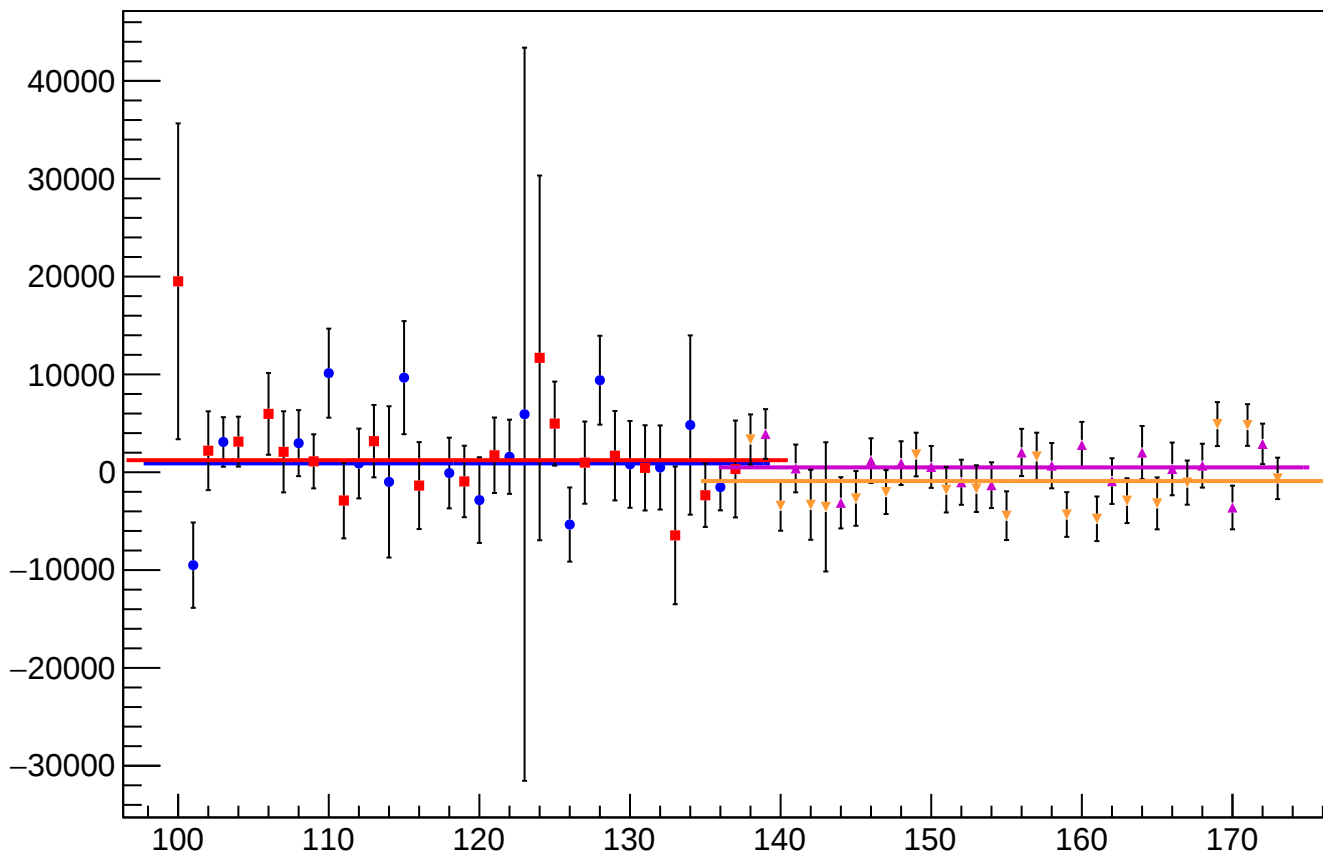
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3779.933+/-0.733 χ^2/NDF :96223.3/16

Out: 3805.745+/-0.720 χ^2/NDF :538462.1/18

All: 3793.066+/-0.514 χ^2/NDF : 635316.6/35

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 903.274 ± 961.918 χ^2/NDF : 21.6/16

Left Out: -899.272 ± 560.856 χ^2/NDF : 30.4/18

Right Out: 1231.015 ± 925.029 χ^2/NDF : 8.9/18

Left In: 496.977 ± 570.034 χ^2/NDF : 11.6/16

Left: -212.478 ± 399.791 χ^2/NDF : 45.1/35

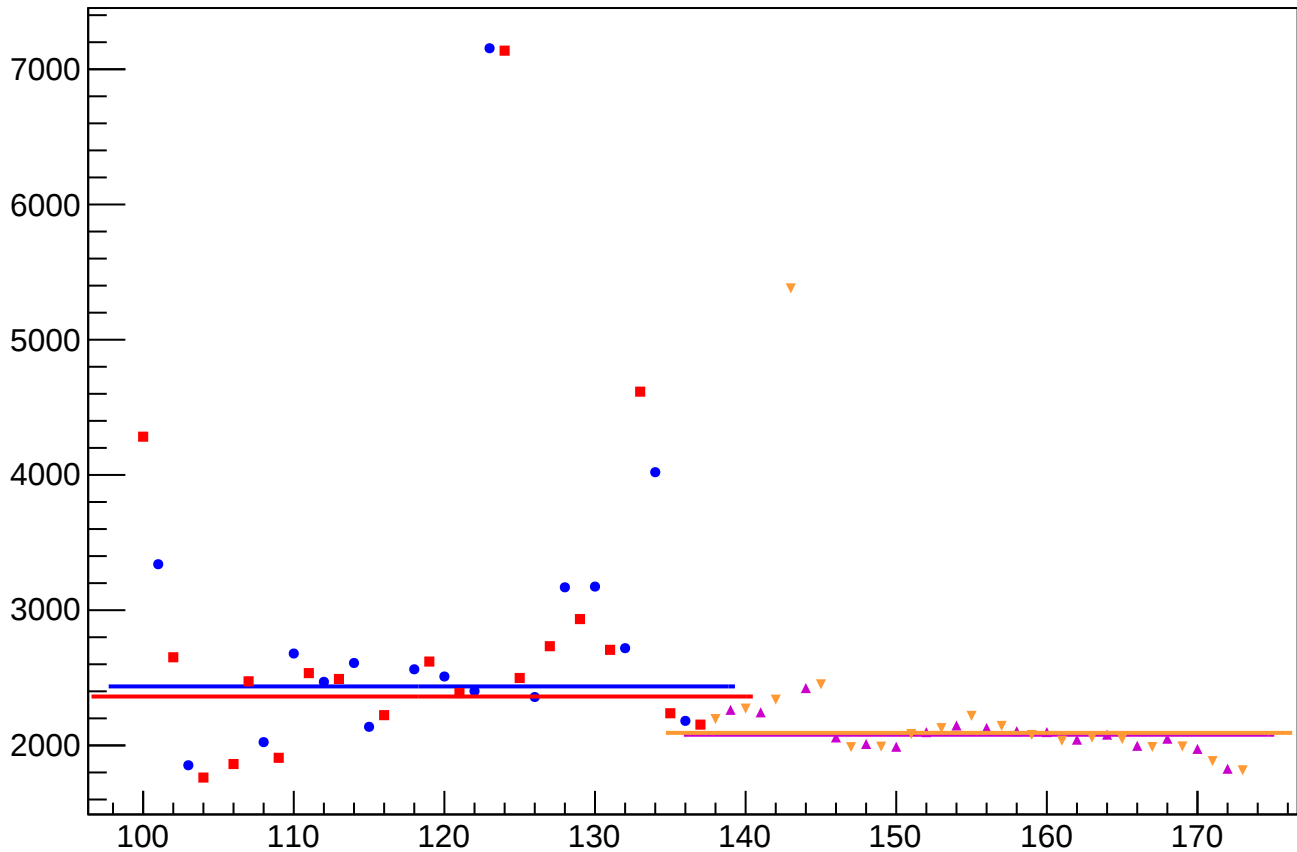
Right: 1073.549 ± 666.754 χ^2/NDF : 30.6/35

In: 602.576 ± 490.393 χ^2/NDF : 33.4/33

Out: -326.652 ± 479.590 χ^2/NDF : 43.2/37

All: 127.613 ± 342.877 χ^2/NDF : 78.4/71

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.256 ± 0.680 $\chi^2/\text{NDF}: 468552.3/16$

Left Out: 2092.781 ± 0.397 $\chi^2/\text{NDF}: 630084.0/18$

Right Out: 2361.558 ± 0.654 $\chi^2/\text{NDF}: 655845.9/18$

Left In: 2078.851 ± 0.403 $\chi^2/\text{NDF}: 99613.8/16$

Left: 2085.929 ± 0.283 $\chi^2/\text{NDF}: 730304.6/35$

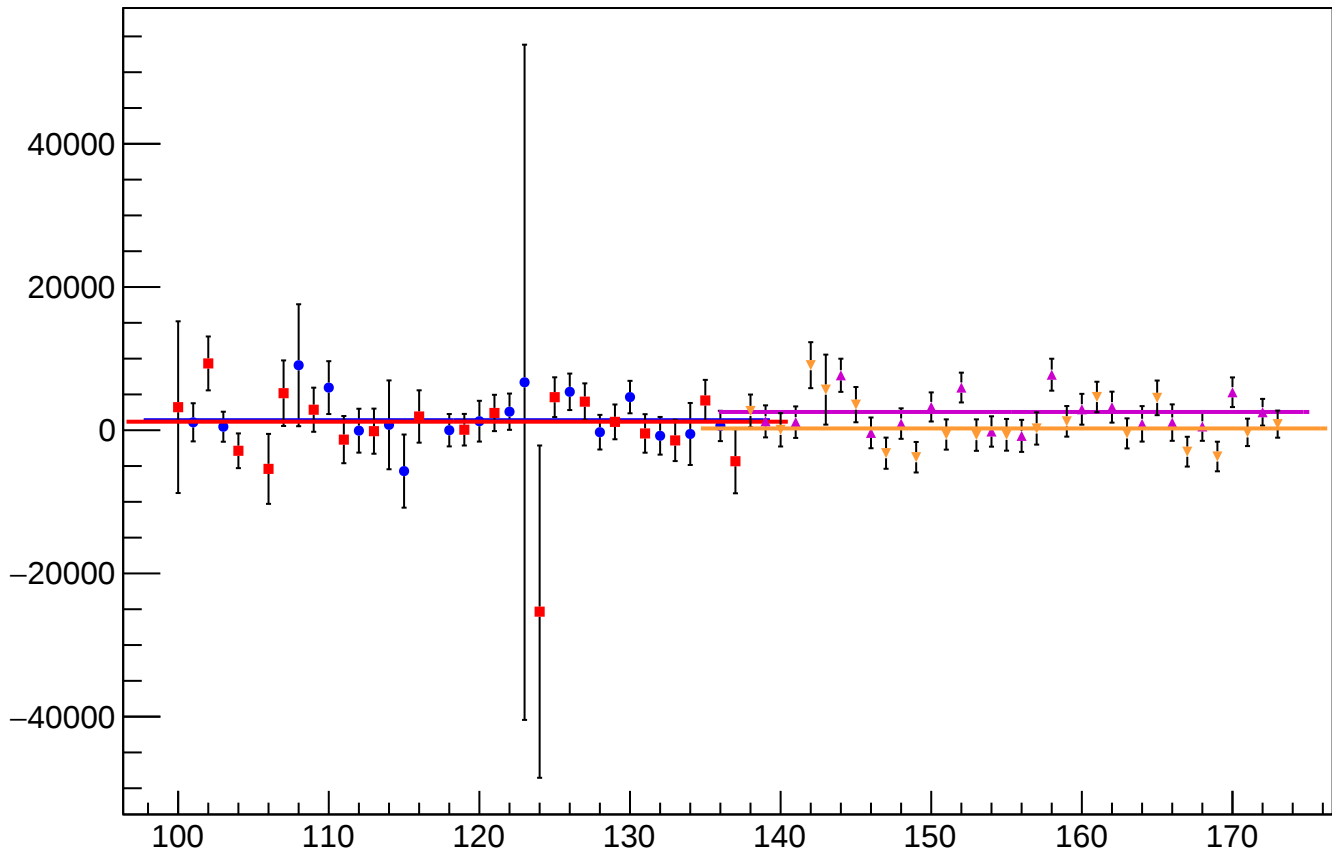
Right: 2397.448 ± 0.471 $\chi^2/\text{NDF}: 1130664.2/35$

In: 2171.742 ± 0.347 $\chi^2/\text{NDF}: 772512.2/33$

Out: 2165.028 ± 0.339 $\chi^2/\text{NDF}: 1409395.2/37$

All: 2168.311 ± 0.242 $\chi^2/\text{NDF}: 2182099.0/71$

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1400.477+/-699.727 χ^2/NDF : 11.3/16

Left Out: 248.901+/-513.390 χ^2/NDF : 32.2/18

Right Out: 1191.720+/-715.266 χ^2/NDF : 19.5/18

Left In: 2549.938+/-524.160 χ^2/NDF : 23.9/16

Left: 1375.537+/-366.770 χ^2/NDF : 66.0/35

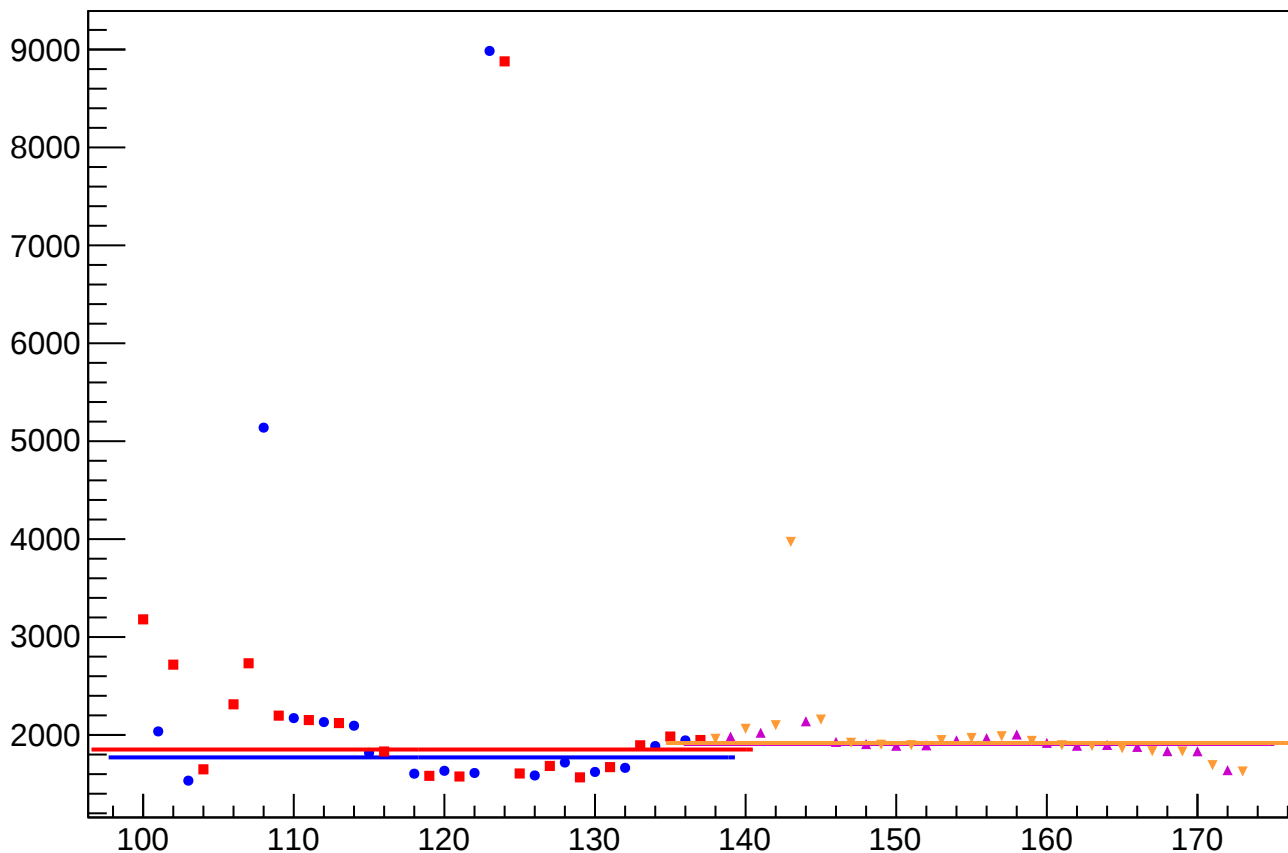
Right: 1298.390+/-500.185 χ^2/NDF : 30.8/35

In: 2136.774+/-419.511 χ^2/NDF : 36.9/33

Out: 569.471+/-417.076 χ^2/NDF : 52.9/37

All: 1348.561+/-295.774 χ^2/NDF : 96.8/71

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1770.964+/-0.495 χ^2/NDF : 523586.3/16

Left Out: 1918.150+/-0.363 χ^2/NDF : 473977.2/18

Right Out: 1851.378+/-0.505 χ^2/NDF : 597933.6/18

Left In: 1907.790+/-0.371 χ^2/NDF : 80873.0/16

Left: 1913.078+/-0.259 χ^2/NDF : 555249.0/35

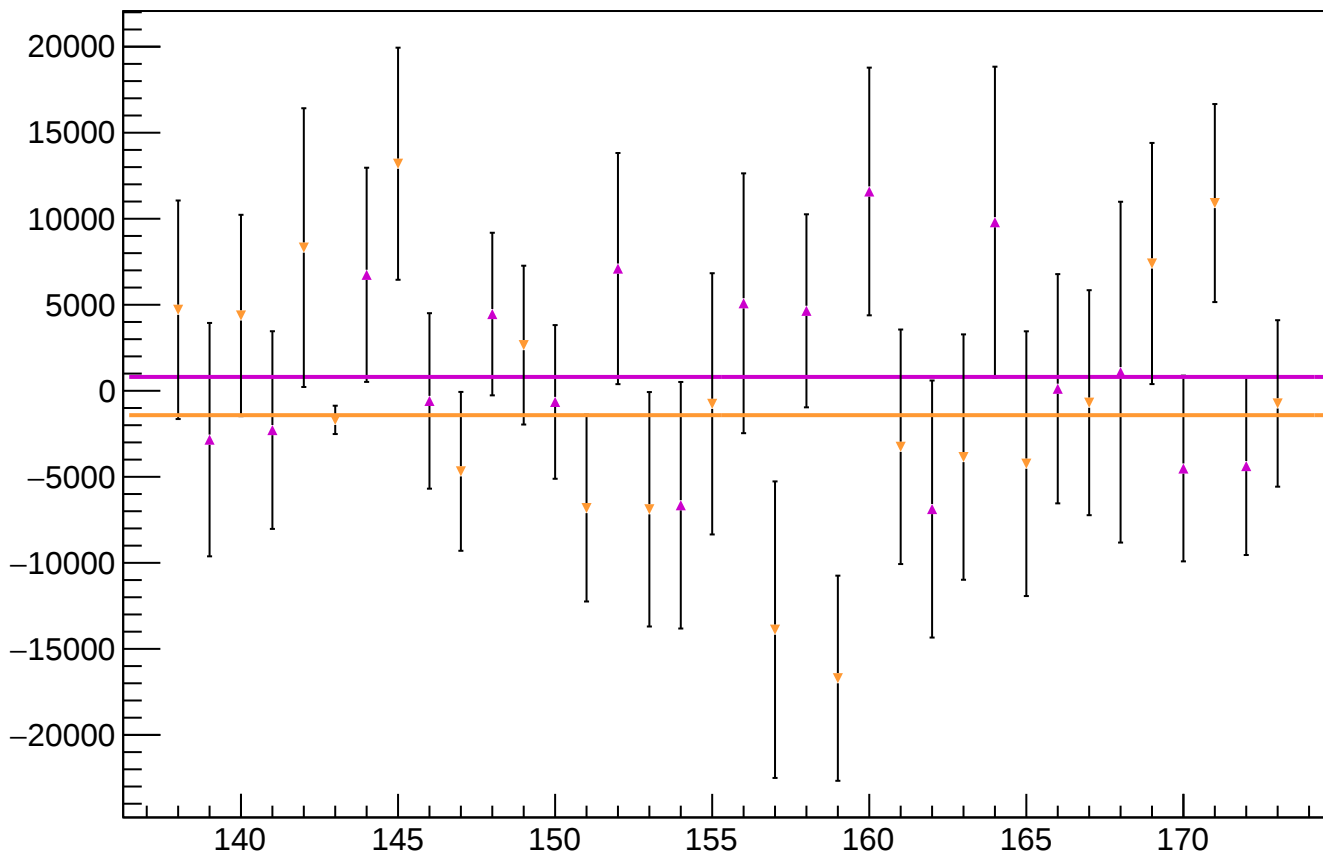
Right: 1810.335+/-0.353 χ^2/NDF : 1134452.8/35

In: 1858.609+/-0.297 χ^2/NDF : 653445.6/33

Out: 1895.411+/-0.295 χ^2/NDF : 1083432.0/37

All: 1877.125+/-0.209 χ^2/NDF : 1744621.5/71

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1416.557 $\pm$ 716.297 χ^2 /NDF:26.3/18

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

Left In: 806.320 $\pm$ 1480.674 χ^2 /NDF:11.3/16

Left: -994.998 $\pm$ 644.808 χ^2 /NDF: 39.4/35

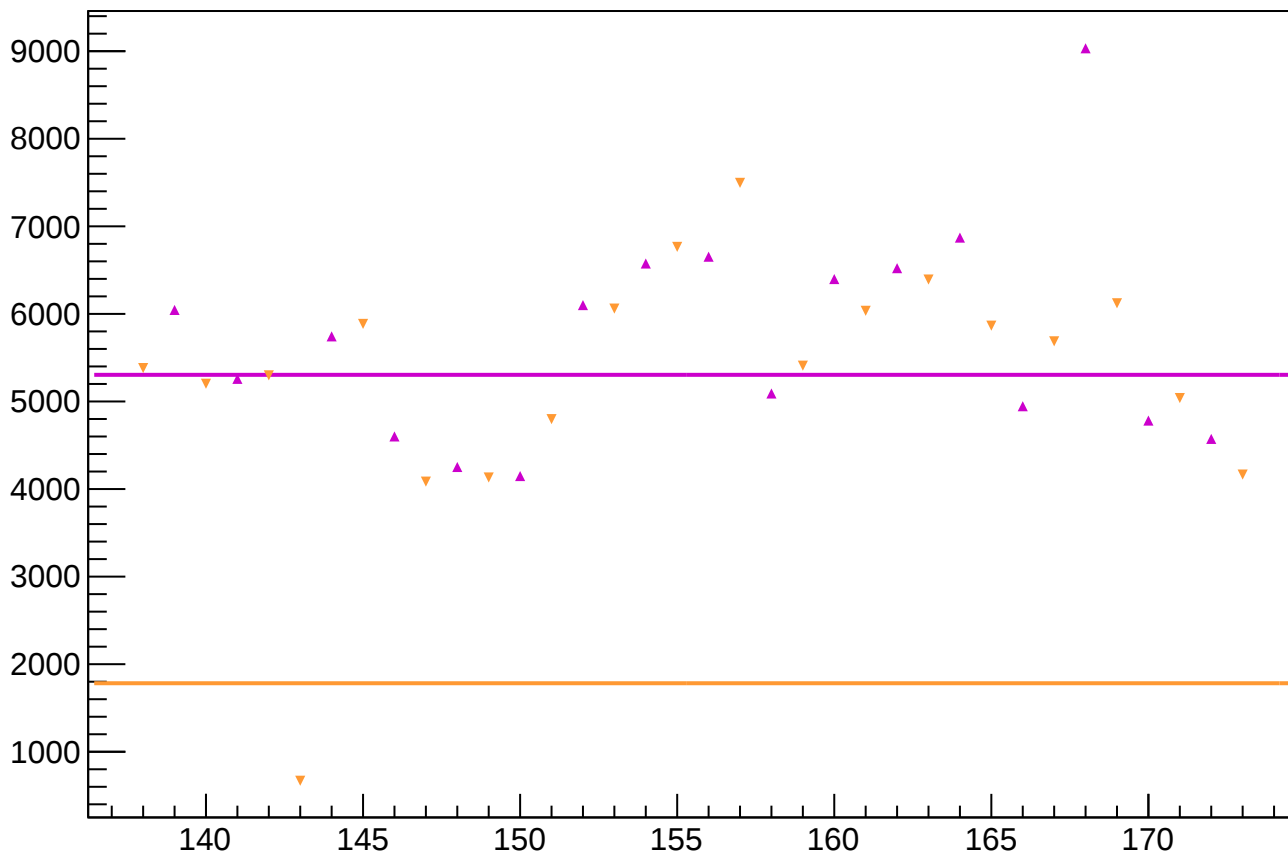
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 806.320 $\pm$ 1480.674 χ^2 /NDF:11.3/16

Out: -1416.557 $\pm$ 716.297 χ^2 /NDF:26.3/18

All: -994.998 $\pm$ 644.808 χ^2 /NDF: 39.4/35

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1782.468+/-0.506 χ^2/NDF :15784692.1/18

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

Left In: 5304.227+/-1.047 χ^2/NDF :970466.4/16

Left: 2450.353+/-0.456 χ^2/NDF : 25923810.5/35

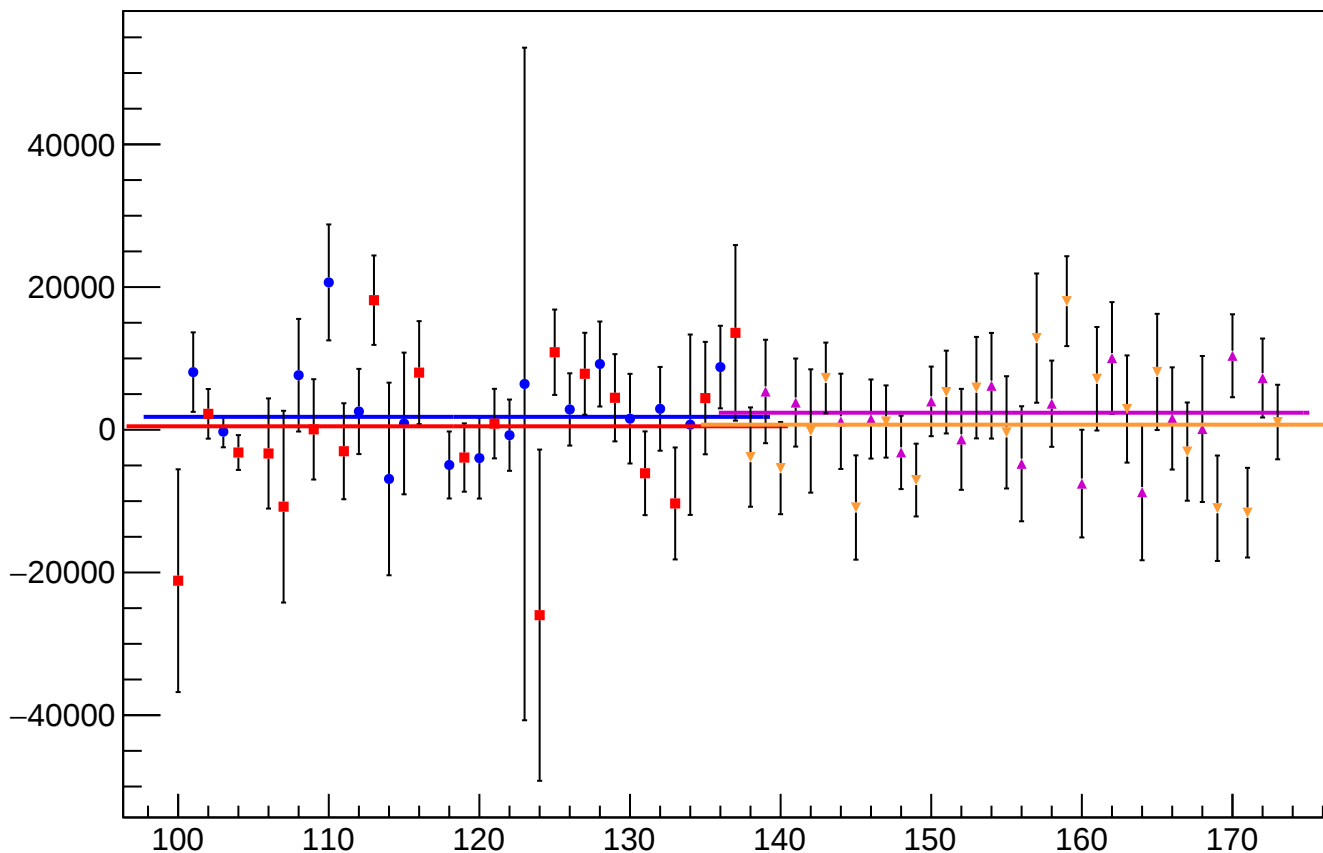
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5304.227+/-1.047 χ^2/NDF :970466.4/16

Out: 1782.468+/-0.506 χ^2/NDF :15784692.1/18

All: 2450.353+/-0.456 χ^2/NDF : 25923810.5/35

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 717.338+/-1488.900 χ^2/NDF : 26.8/18

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

Left In: 2389.898+/-1586.893 χ^2/NDF : 9.7/16

Left: 1500.385+/-1085.802 χ^2/NDF : 37.1/35

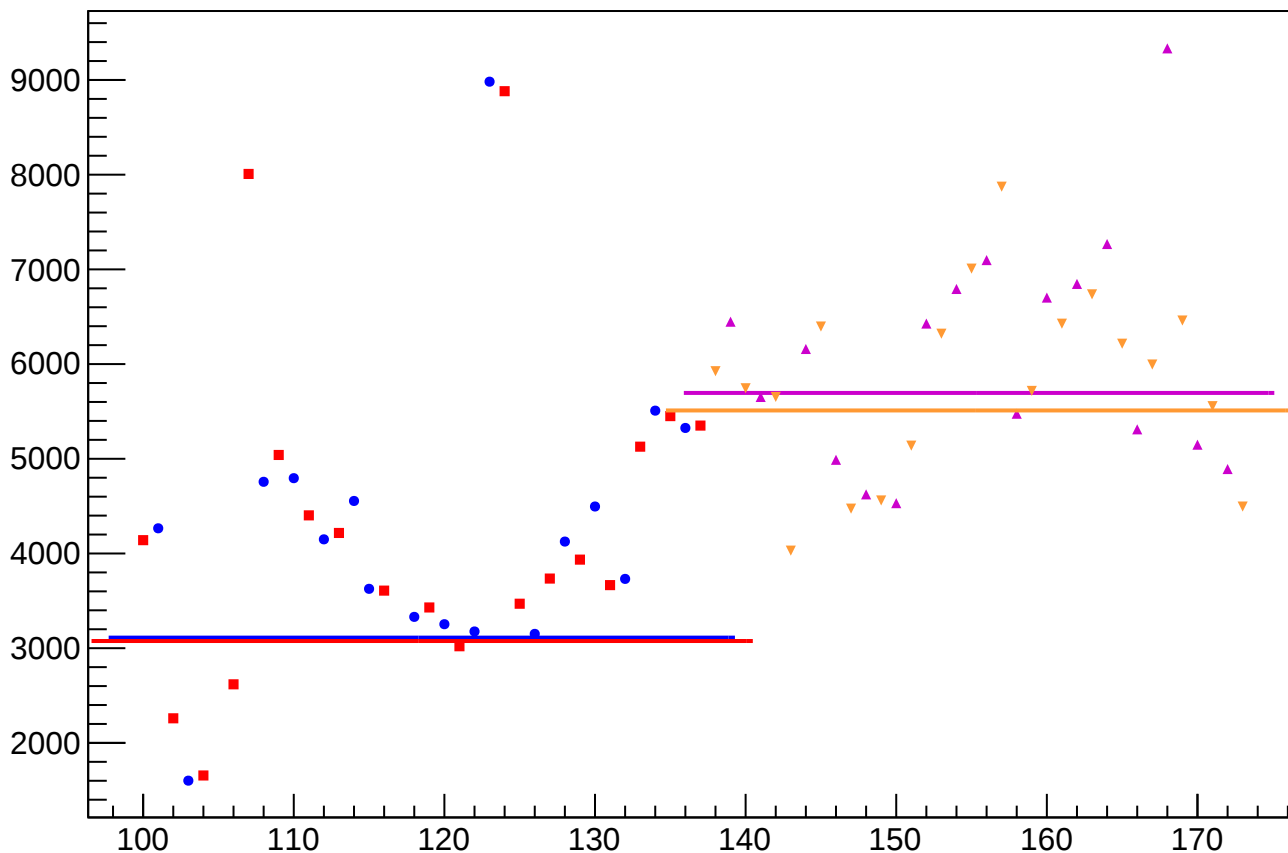
Right: 1143.505+/-914.731 χ^2/NDF : 42.0/35

In: 2045.717+/-1006.244 χ^2/NDF : 24.8/33

Out: 586.201+/-973.263 χ^2/NDF : 53.3/37

All: 1291.649+/-699.570 χ^2/NDF : 79.1/71

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5510.377 $\pm$ 1.053 χ^2 /NDF: 834835.8/18

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

Left In: 5695.364 $\pm$ 1.122 χ^2 /NDF: 844124.3/16

Left: 5596.983 $\pm$ 0.768 χ^2 /NDF: 1693414.1/35

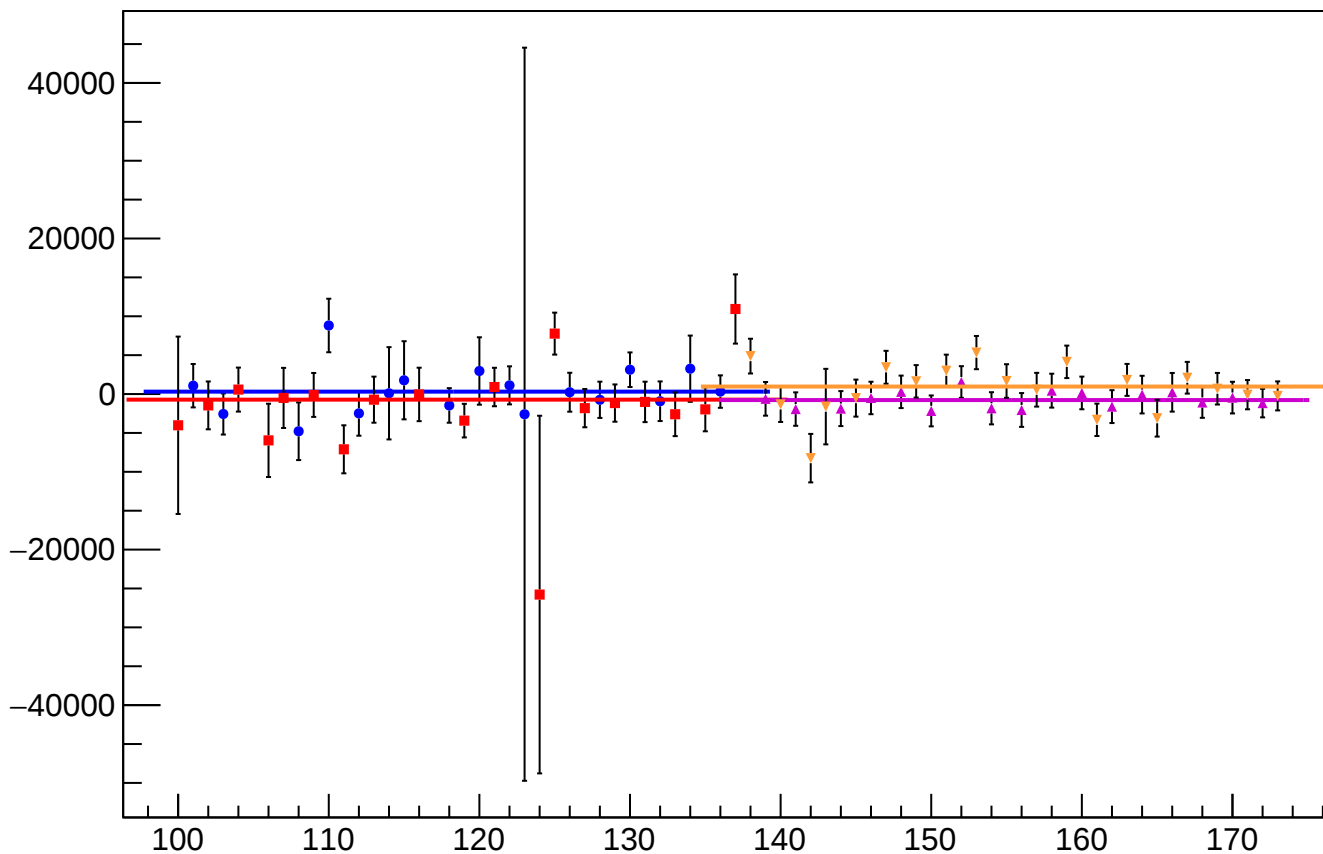
Right: 3093.209 $\pm$ 0.642 χ^2 /NDF: 3889323.9/35

In: 4150.447 $\pm$ 0.712 χ^2 /NDF: 5893410.9/33

Out: 4098.753 $\pm$ 0.682 χ^2 /NDF: 5944963.2/37

All: 4123.522 $\pm$ 0.493 χ^2 /NDF: 11841123.4/71

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 310.890 ± 702.491 χ^2/NDF : 13.9/16

Left Out: 964.710 ± 501.279 χ^2/NDF : 31.0/18

Right Out: -720.015 ± 692.327 χ^2/NDF : 26.8/18

Left In: -774.731 ± 511.910 χ^2/NDF : 4.2/16

Left: 113.238 ± 358.157 χ^2/NDF : 41.1/35

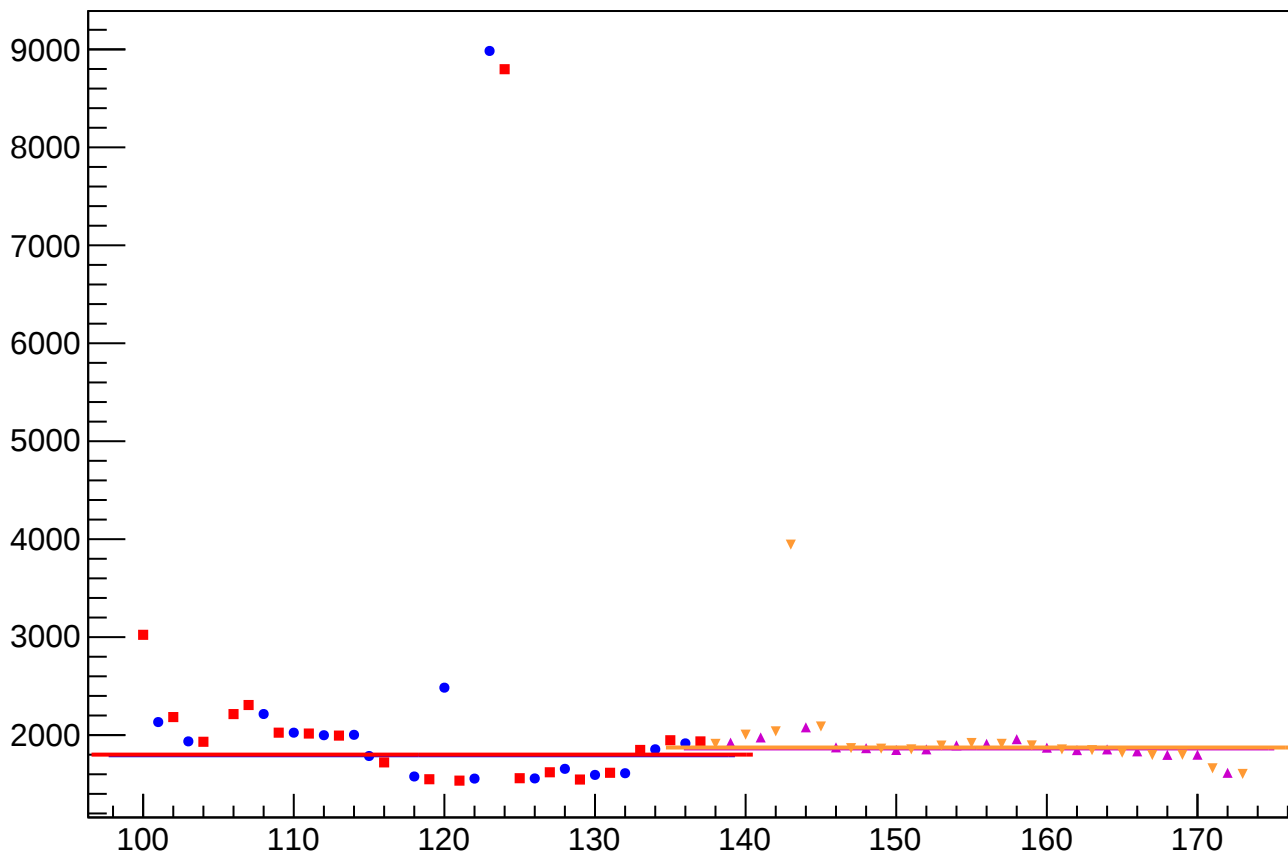
Right: -212.074 ± 493.103 χ^2/NDF : 41.8/35

In: -398.196 ± 413.717 χ^2/NDF : 19.7/33

Out: 385.268 ± 406.024 χ^2/NDF : 61.6/37

All: 0.888 ± 289.784 χ^2/NDF : 83.2/71

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1794.083+/-0.497 χ^2/NDF : 276685.7/16

Left Out: 1873.153+/-0.354 χ^2/NDF : 469448.6/18

Right Out: 1800.745+/-0.489 χ^2/NDF : 444850.1/18

Left In: 1863.642+/-0.362 χ^2/NDF : 72145.1/16

Left: 1868.497+/-0.253 χ^2/NDF : 541946.2/35

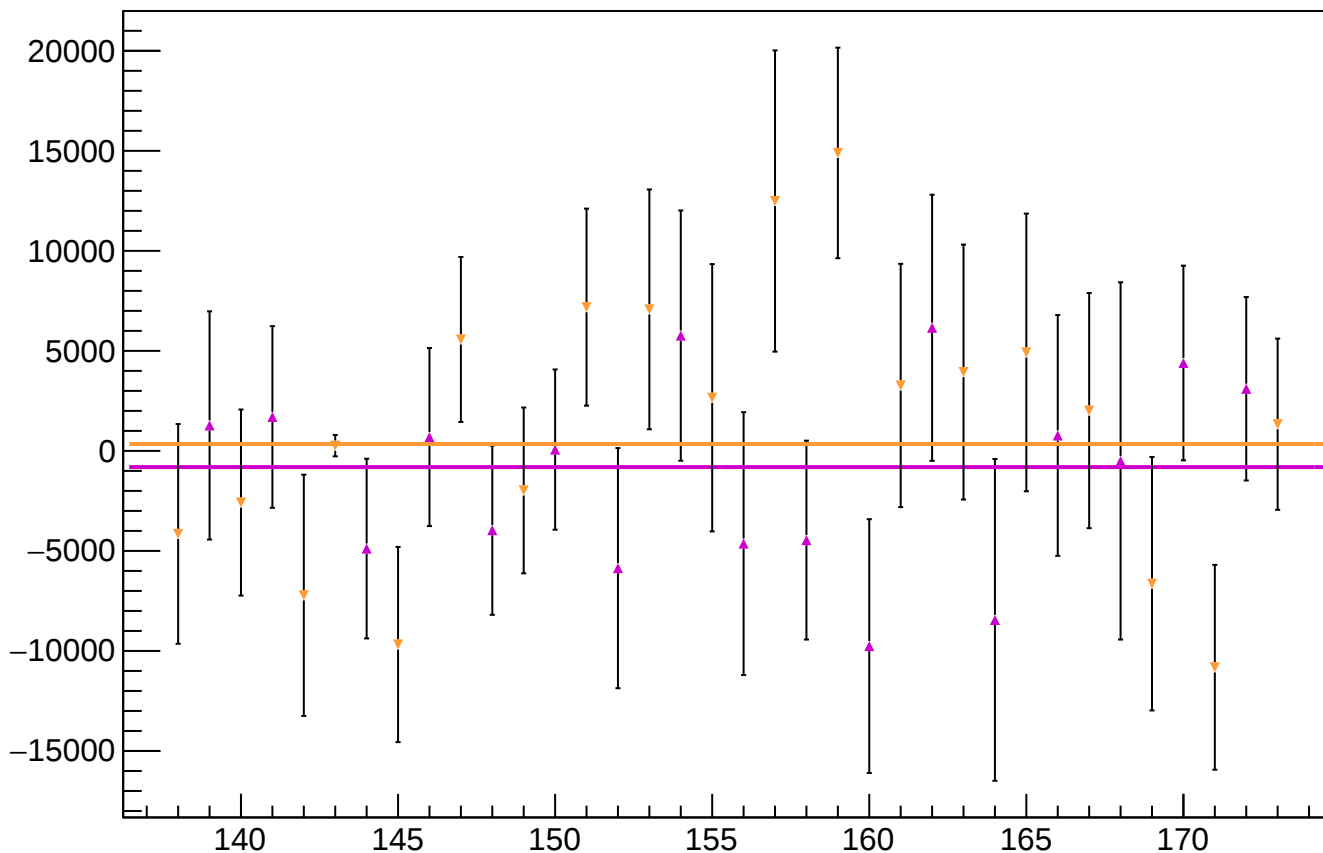
Right: 1797.467+/-0.348 χ^2/NDF : 721627.3/35

In: 1839.516+/-0.293 χ^2/NDF : 361638.8/33

Out: 1848.198+/-0.287 χ^2/NDF : 928680.2/37

All: 1843.941+/-0.205 χ^2/NDF : 1290767.9/71

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 343.308+/-491.594 χ^2/NDF :29.5/18

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

Left In: -809.227+/-1283.261 χ^2/NDF :10.6/16

Left: 195.817+/-459.062 χ^2/NDF : 40.8/35

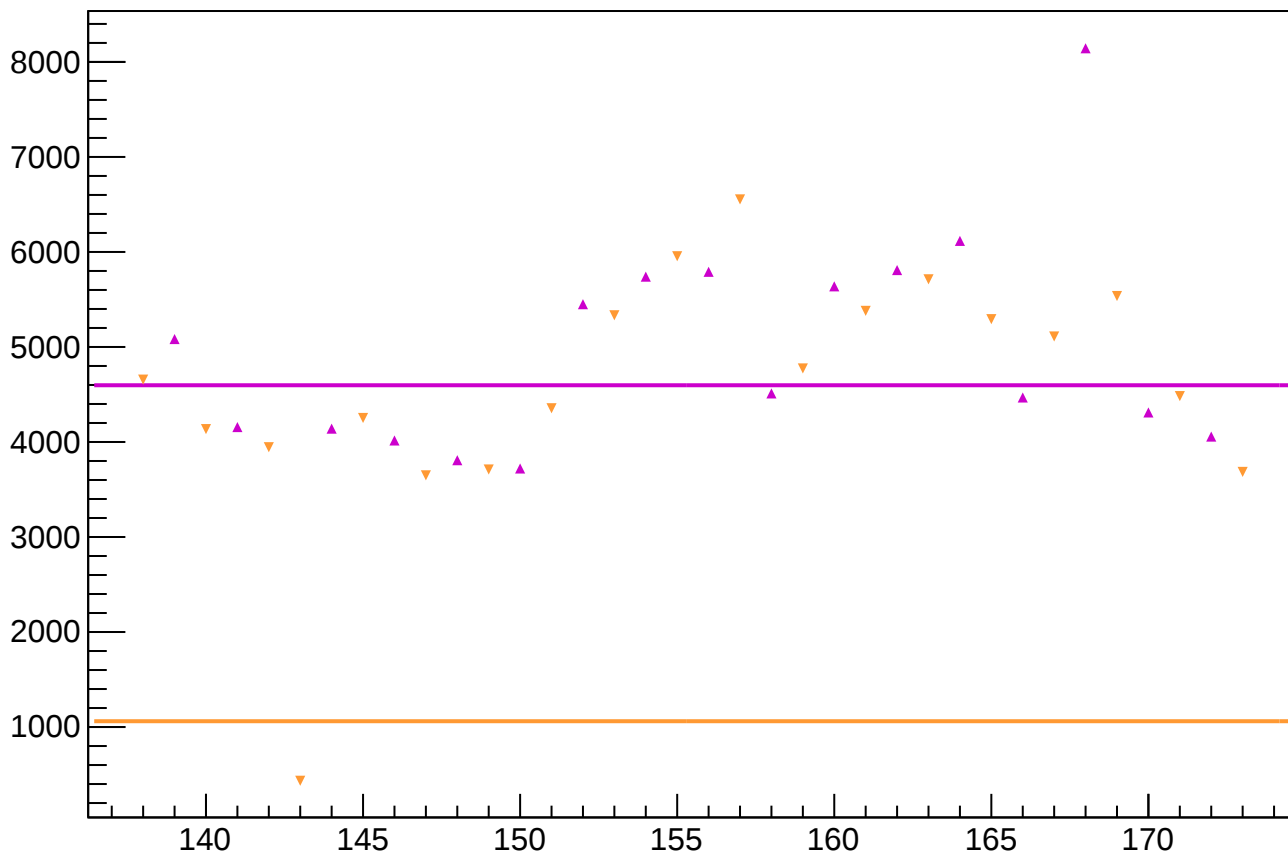
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -809.227+/-1283.261 χ^2/NDF :10.6/16

Out: 343.308+/-491.594 χ^2/NDF :29.5/18

All: 195.817+/-459.062 χ^2/NDF : 40.8/35

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1061.012+/-0.348 χ^2 /NDF:18858292.3/18

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

Left In: 4597.083+/-0.907 χ^2 /NDF:969956.4/16

Left: 1513.529+/-0.325 χ^2 /NDF: 33070825.6/35

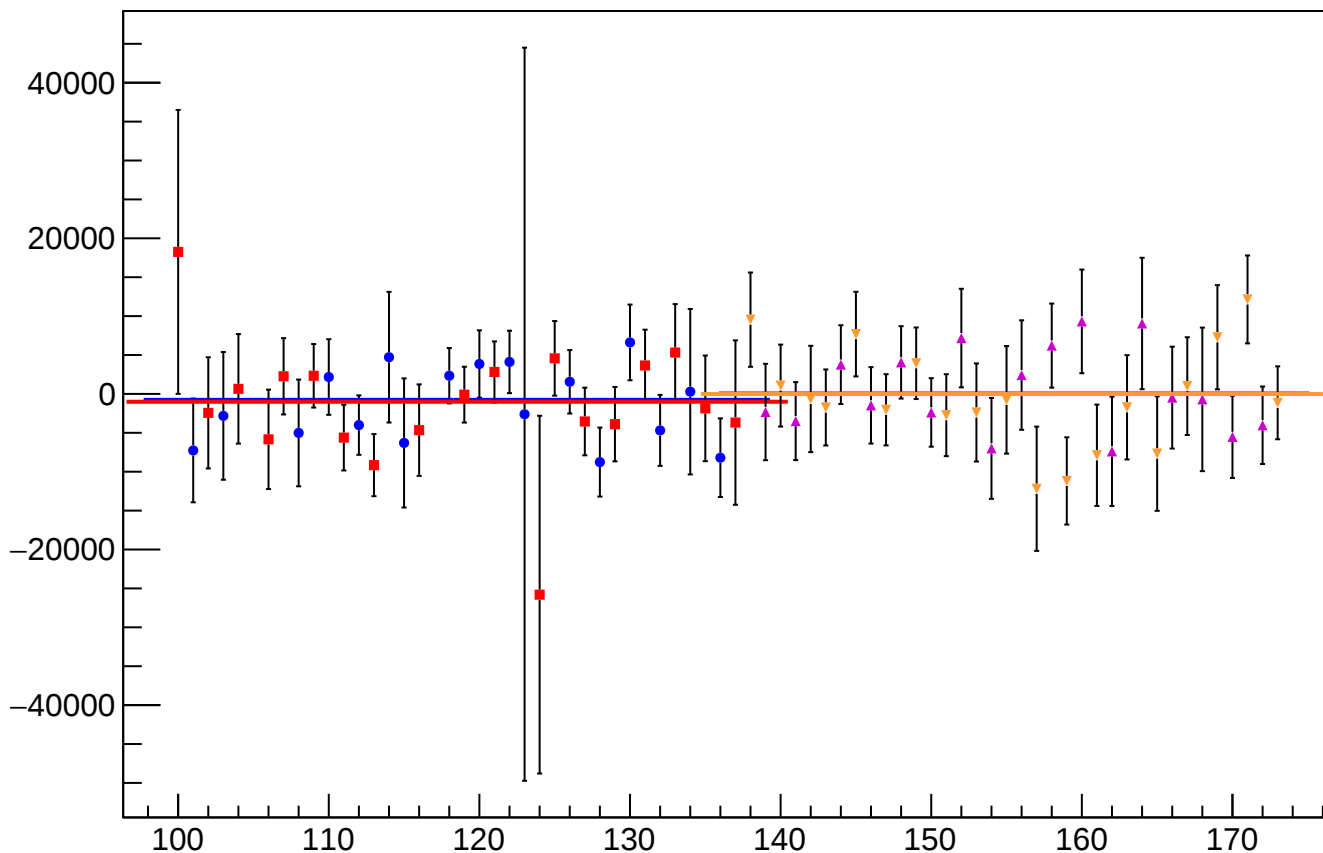
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 4597.083+/-0.907 χ^2 /NDF:969956.4/16

Out: 1061.012+/-0.348 χ^2 /NDF:18858292.3/18

All: 1513.529+/-0.325 χ^2 /NDF: 33070825.6/35

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -765.107+/-1247.704 χ^2/NDF : 15.5/16

Left Out: -17.786+/-1320.030 χ^2/NDF : 20.8/18

Right Out: -1004.792+/-1191.116 χ^2/NDF : 15.0/18

Left In: 62.062+/-1393.244 χ^2/NDF : 12.2/16

Left: 19.985+/-958.240 χ^2/NDF : 33.0/35

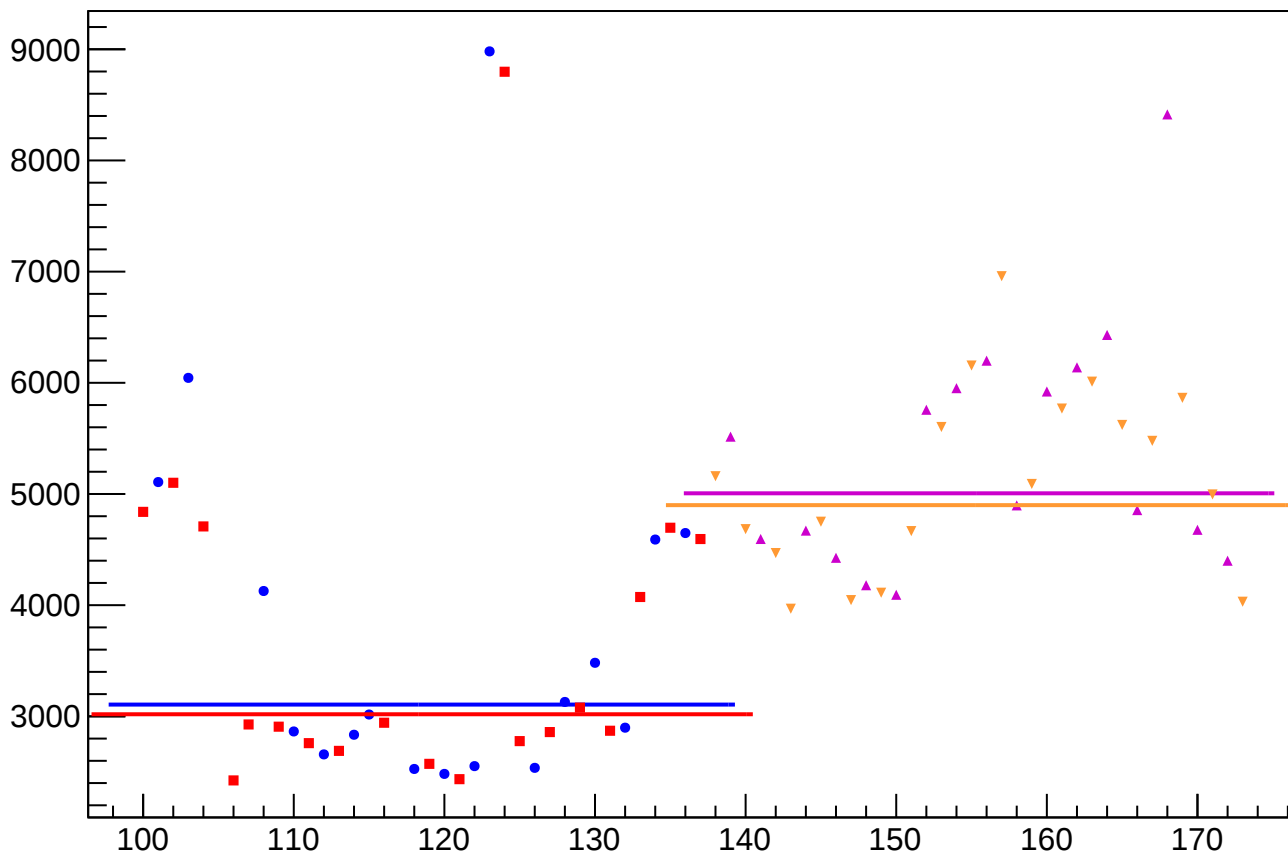
Right: -890.508+/-861.557 χ^2/NDF : 30.6/35

In: -396.969+/-929.470 χ^2/NDF : 27.9/33

Out: -561.825+/-884.320 χ^2/NDF : 36.1/37

All: -483.498+/-640.676 χ^2/NDF : 64.1/71

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4899.675 $\pm$ 0.933 χ^2 /NDF: 685276.7/18

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

Left In: 5006.149 $\pm$ 0.985 χ^2 /NDF: 799495.1/16

Left: 4950.041 $\pm$ 0.678 χ^2 /NDF: 1490926.9/35

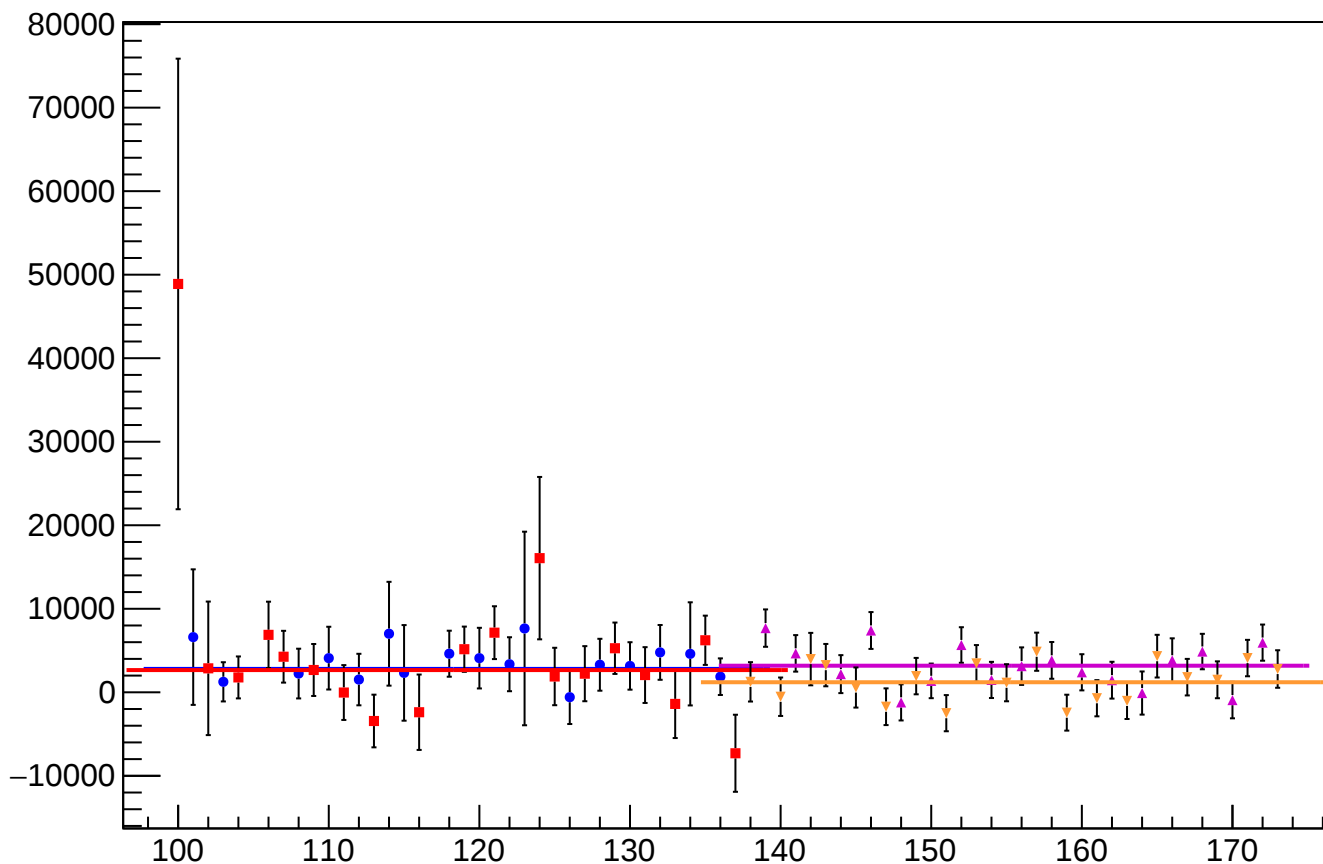
Right: 3059.752 $\pm$ 0.605 χ^2 /NDF: 1759257.8/35

In: 3951.589 $\pm$ 0.657 χ^2 /NDF: 3824081.4/33

Out: 3851.277 $\pm$ 0.621 χ^2 /NDF: 3742911.5/37

All: 3898.590 $\pm$ 0.451 χ^2 /NDF: 7579300.7/71

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2800.286 $\pm$ 815.307 χ^2 /NDF: 4.0/16

Left Out: 1204.666 $\pm$ 523.385 χ^2 /NDF:19.1/18

Right Out: 2660.424 $\pm$ 808.554 χ^2 /NDF: 22.8/18

Left In: 3183.557 $\pm$ 538.190 χ^2 /NDF:23.6/16

Left: 2166.519 $\pm$ 375.214 χ^2 /NDF: 49.6/35

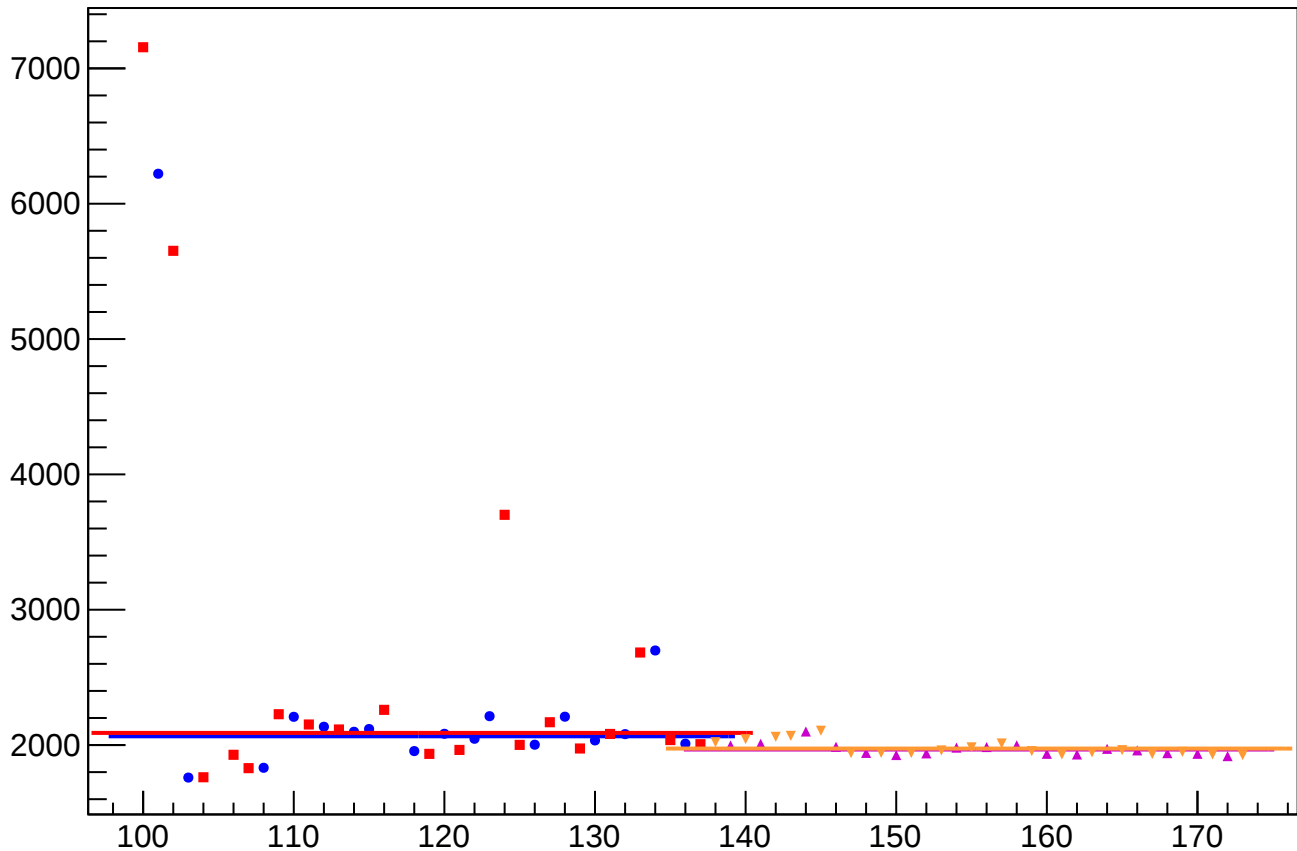
Right: 2729.773 $\pm$ 574.107 χ^2 /NDF: 26.8/35

In: 3067.236 $\pm$ 449.156 χ^2 /NDF:27.7/33

Out: 1634.528 $\pm$ 439.368 χ^2 /NDF:44.2/37

All: 2335.101 $\pm$ 314.084 χ^2 /NDF: 77.1/71

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2064.706 $\pm$ 0.577 χ^2 /NDF: 606406.5/16

Left Out: 1974.068 $\pm$ 0.370 χ^2 /NDF:18904.4/18

Right Out: 2089.787 $\pm$ 0.572 χ^2 /NDF: 640582.7/18

Left In: 1966.885 $\pm$ 0.381 χ^2 /NDF:12934.5/16

Left: 1970.577 $\pm$ 0.265 χ^2 /NDF: 32021.9/35

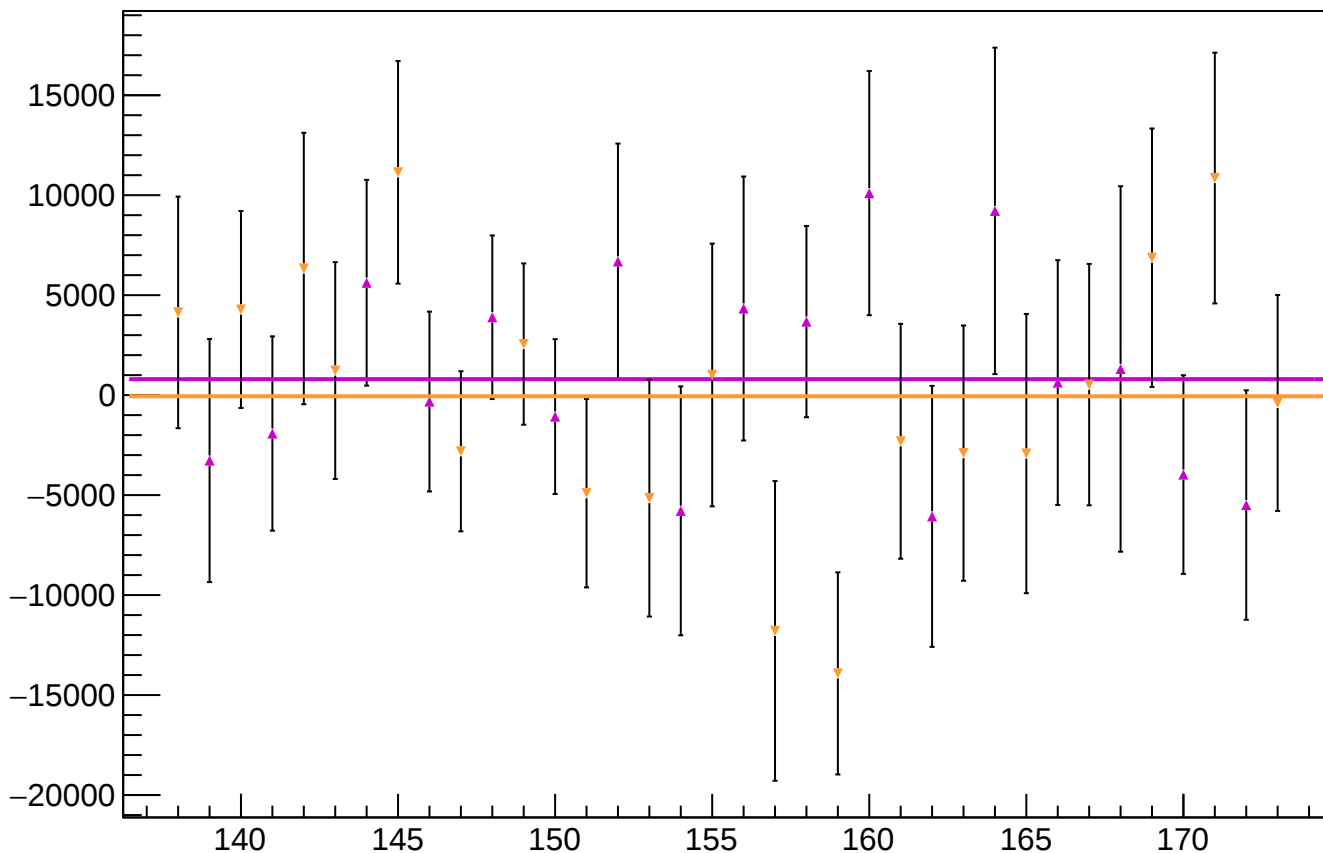
Right: 2077.355 $\pm$ 0.406 χ^2 /NDF: 1247943.7/35

In: 1996.573 $\pm$ 0.318 χ^2 /NDF:639393.8/33

Out: 2008.255 $\pm$ 0.311 χ^2 /NDF:688370.9/37

All: 2002.543 $\pm$ 0.222 χ^2 /NDF: 1328456.2/71

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -55.762+/-1268.307 χ^2/NDF :23.7/18

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

Left In: 799.749+/-1314.002 χ^2/NDF :11.9/16

Left: 356.860+/-912.555 χ^2/NDF : 35.8/35

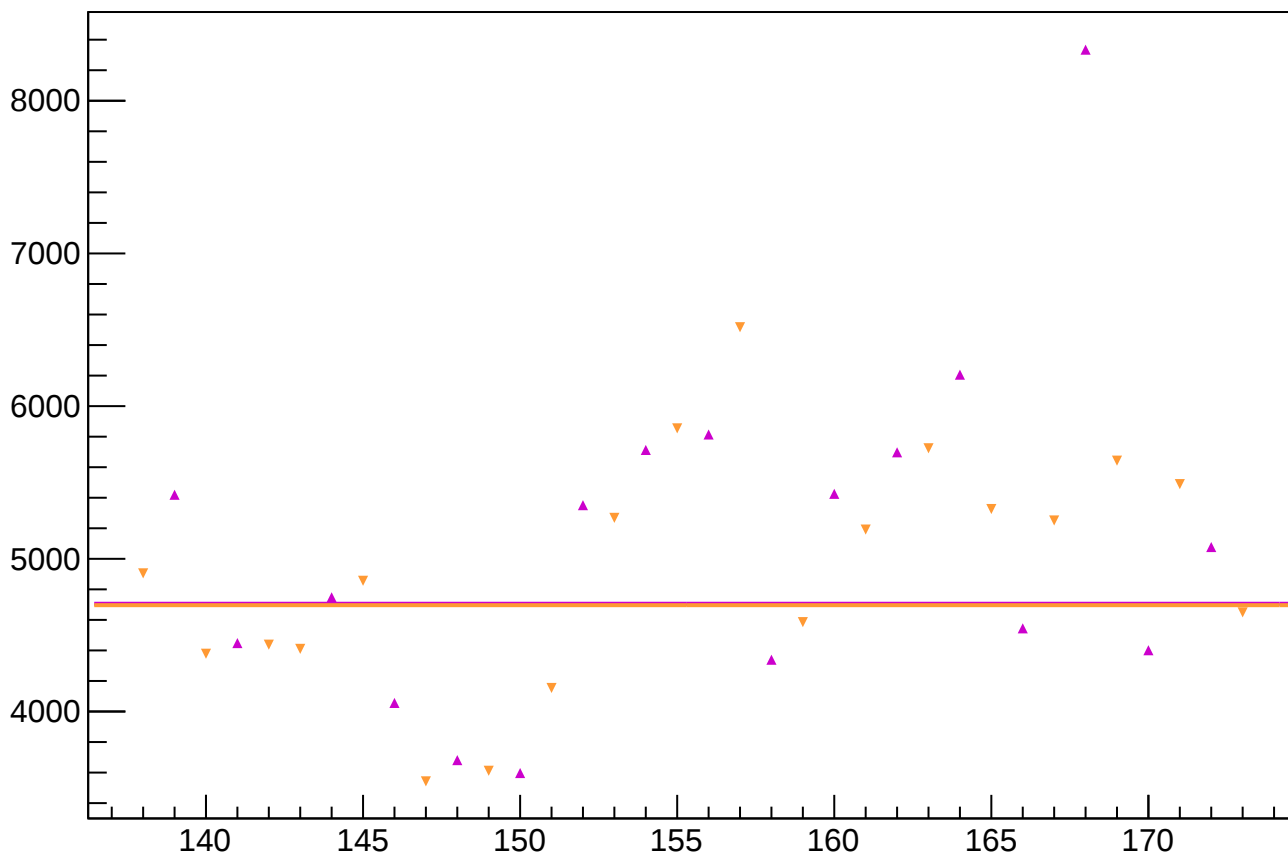
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 799.749+/-1314.002 χ^2/NDF :11.9/16

Out: -55.762+/-1268.307 χ^2/NDF :23.7/18

All: 356.860+/-912.555 χ^2/NDF : 35.8/35

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4696.379+/-0.897 χ^2/NDF : 732115.1/18

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

Left In: 4705.727+/-0.929 χ^2/NDF : 983107.2/16

Left: 4700.888+/-0.645 χ^2/NDF : 1715274.7/35

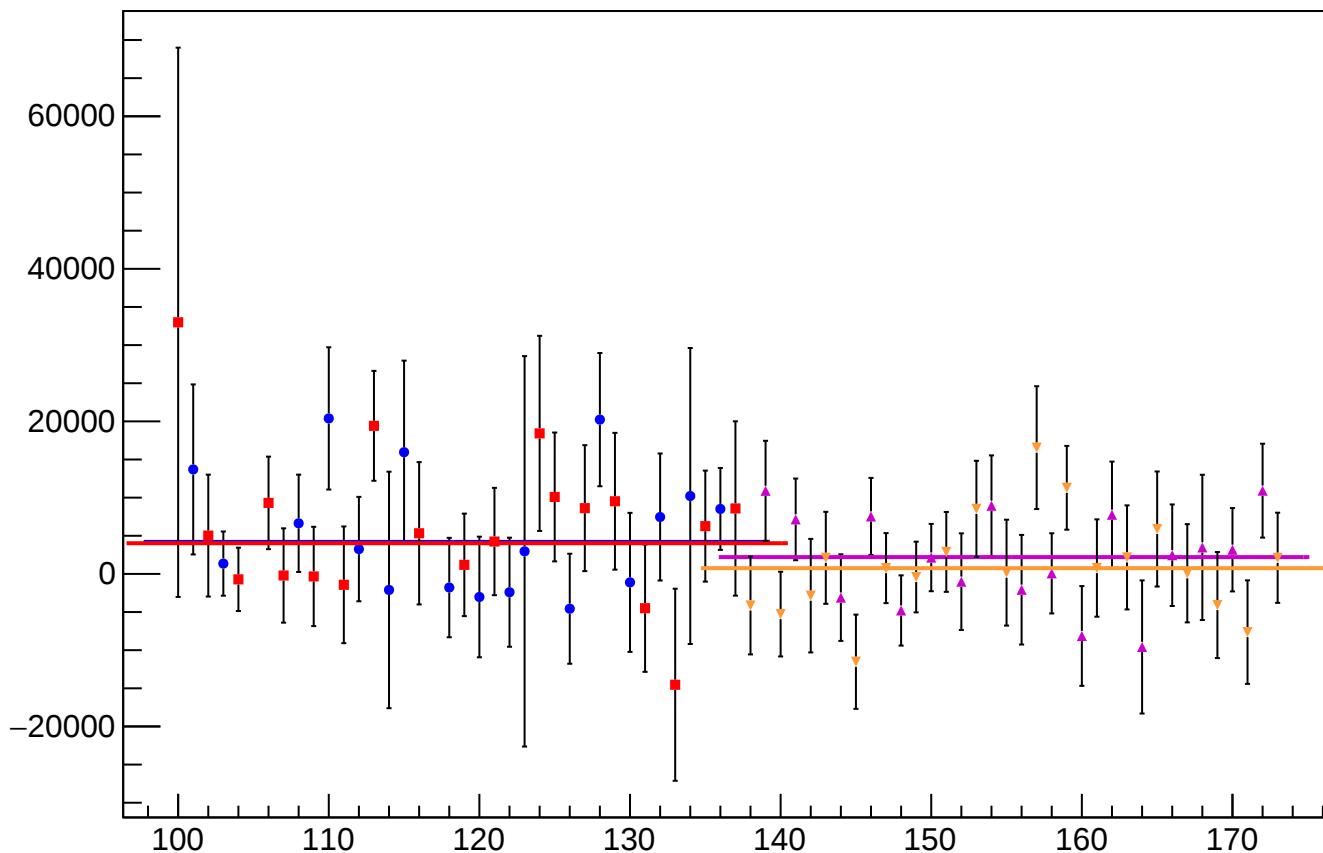
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4705.727+/-0.929 χ^2/NDF : 983107.2/16

Out: 4696.379+/-0.897 χ^2/NDF : 732115.1/18

All: 4700.888+/-0.645 χ^2/NDF : 1715274.7/35

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 751.485+/-1397.281 χ^2/NDF : 17.9/18

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

Left In: 2204.317+/-1442.111 χ^2/NDF : 15.7/16

Left: 1454.968+/-1003.501 χ^2/NDF : 34.1/35

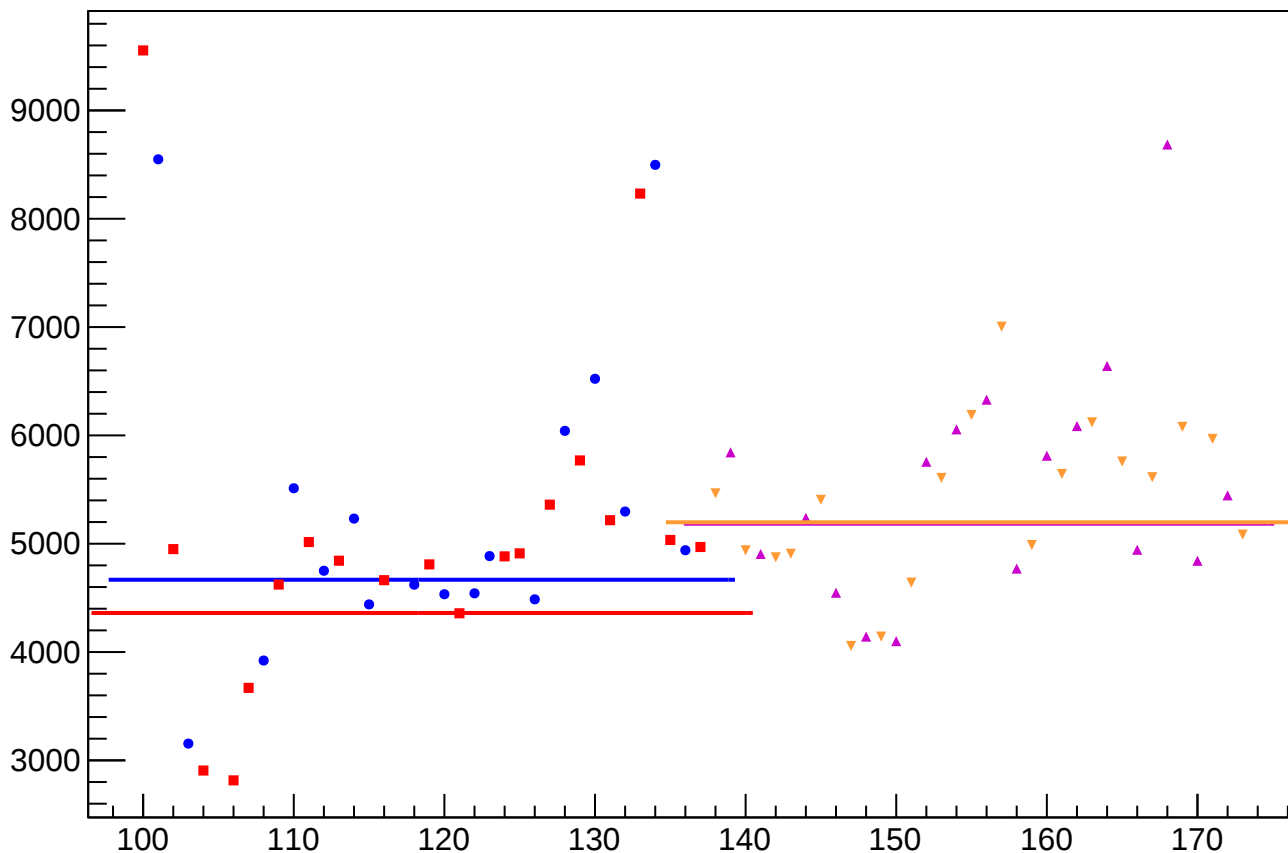
Right: 4104.755+/-1264.177 χ^2/NDF : 29.0/35

In: 2954.226+/-1139.179 χ^2/NDF : 30.6/33

Out: 2047.701+/-1085.814 χ^2/NDF : 34.9/37

All: 2479.234+/-785.975 χ^2/NDF : 65.8/71

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 5198.124+/-0.988 χ^2/NDF : 545682.1/18

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

Left In: 5184.604+/-1.020 χ^2/NDF : 786919.0/16

Left: 5191.577+/-0.710 χ^2/NDF : 1332691.8/35

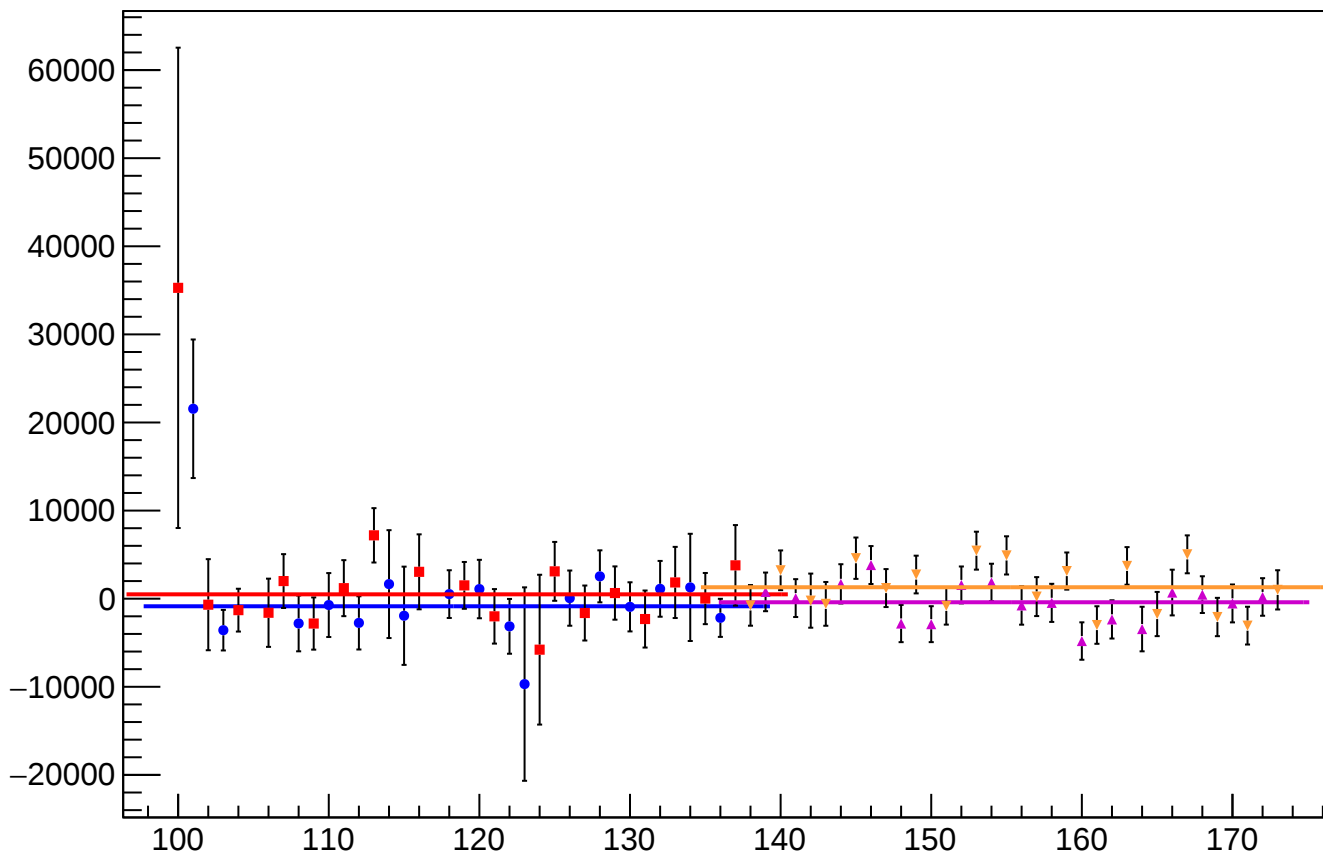
Right: 4501.800+/-0.891 χ^2/NDF : 1640064.7/35

In: 4990.163+/-0.806 χ^2/NDF : 1661475.9/33

Out: 4864.025+/-0.766 χ^2/NDF : 1665071.8/37

All: 4923.925+/-0.555 χ^2/NDF : 3339424.1/71

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -860.655+/-797.010 χ^2/NDF : 14.6/16

Left Out: 1300.142+/-513.535 χ^2/NDF : 29.6/18

Right Out: 495.139+/-780.927 χ^2/NDF : 13.0/18

Left In: -404.555+/-528.261 χ^2/NDF : 16.9/16

Left: 471.884+/-368.220 χ^2/NDF : 51.9/35

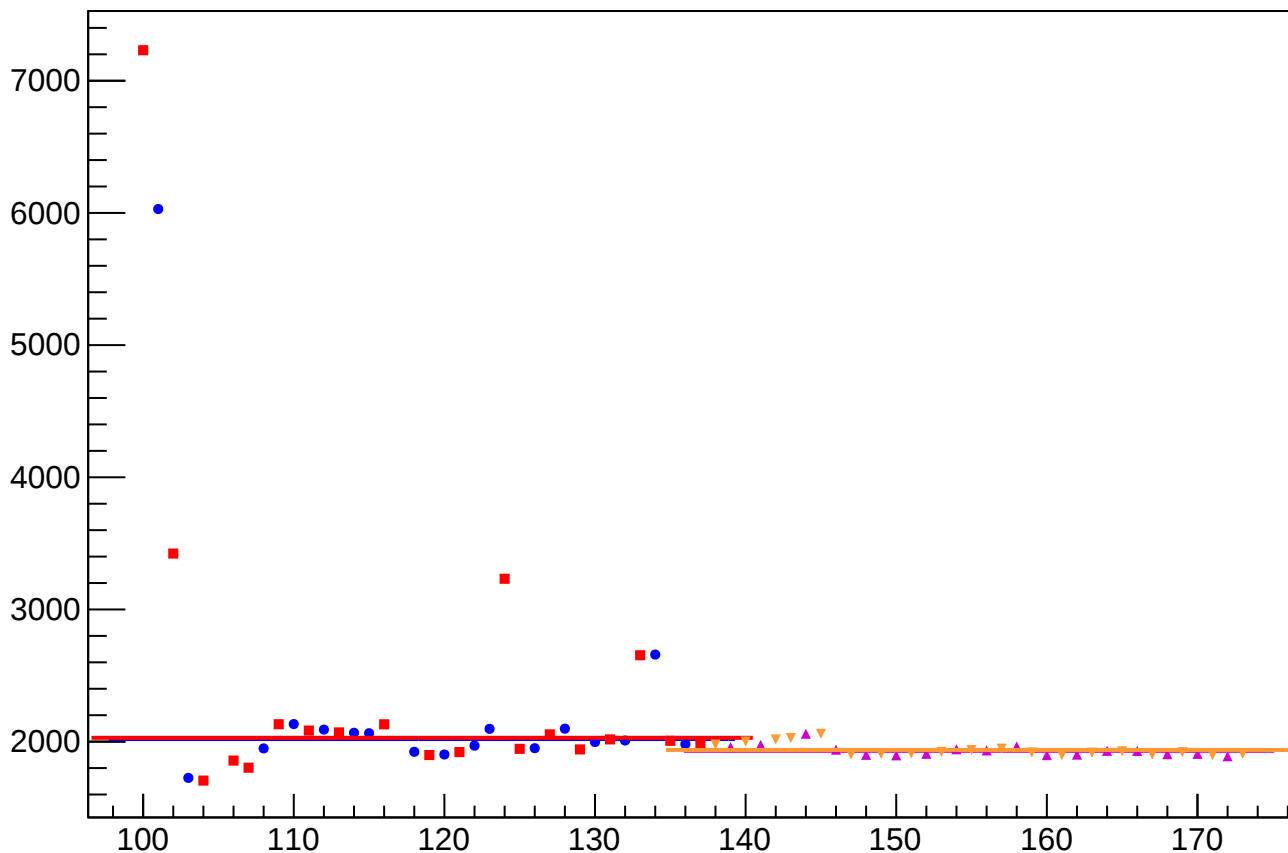
Right: -168.941+/-557.798 χ^2/NDF : 29.0/35

In: -543.767+/-440.323 χ^2/NDF : 31.7/33

Out: 1057.121+/-429.075 χ^2/NDF : 43.3/37

All: 277.386+/-307.301 χ^2/NDF : 81.8/71

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2019.624+/-0.564 χ^2/NDF : 587843.0/16

Left Out: 1937.084+/-0.363 χ^2/NDF :15597.6/18

Right Out: 2028.987+/-0.551 χ^2/NDF : 371968.1/18

Left In: 1930.708+/-0.374 χ^2/NDF :11810.3/16

Left: 1933.986+/-0.260 χ^2/NDF : 27557.7/35

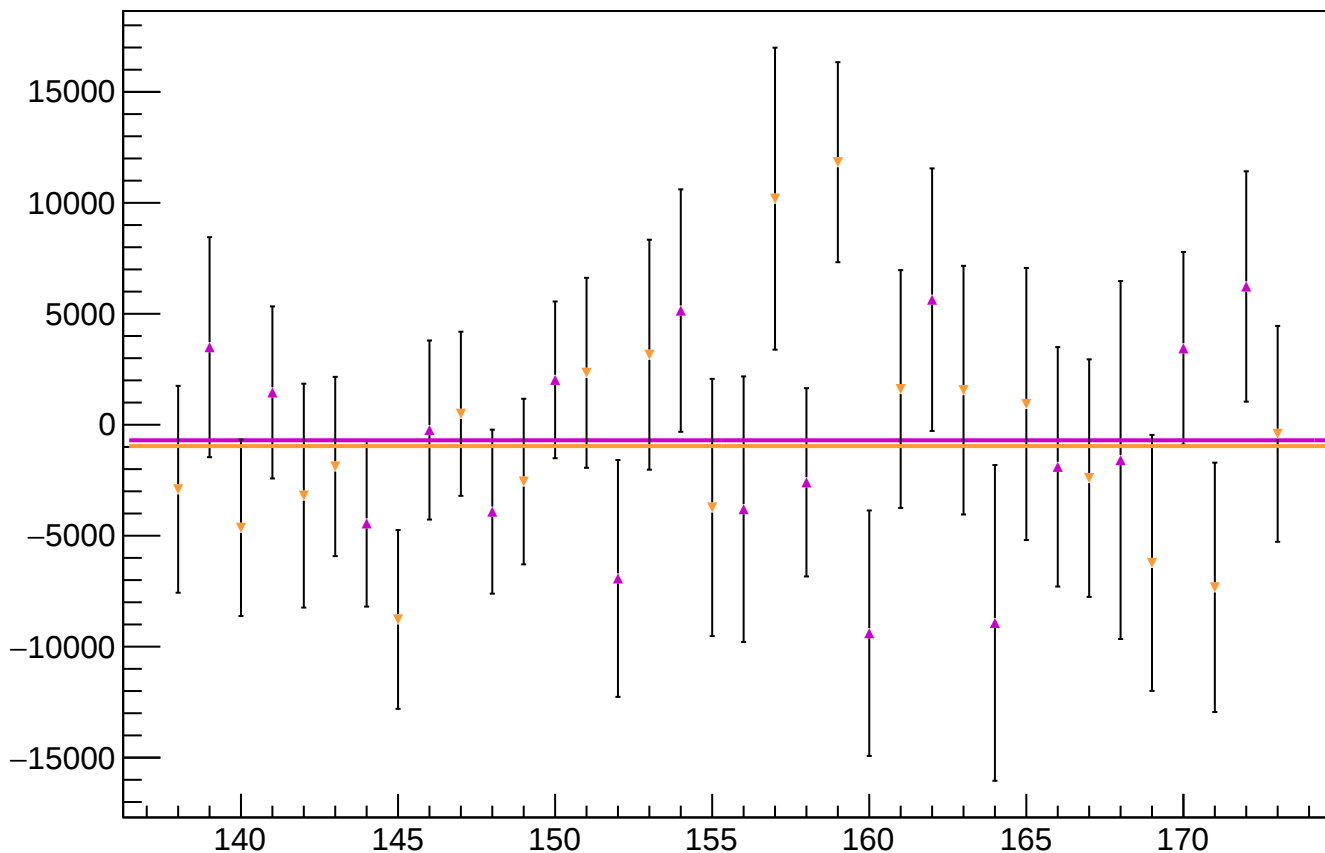
Right: 2024.407+/-0.394 χ^2/NDF : 959952.1/35

In: 1957.848+/-0.311 χ^2/NDF :616947.9/33

Out: 1964.878+/-0.303 χ^2/NDF :406937.9/37

All: 1961.455+/-0.217 χ^2/NDF : 1024147.4/71

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -962.016+/-1090.452 χ^2/NDF :20.3/18

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

Left In: -699.063+/-1142.443 χ^2/NDF :14.1/16

Left: -836.659+/-788.806 χ^2/NDF : 34.4/35

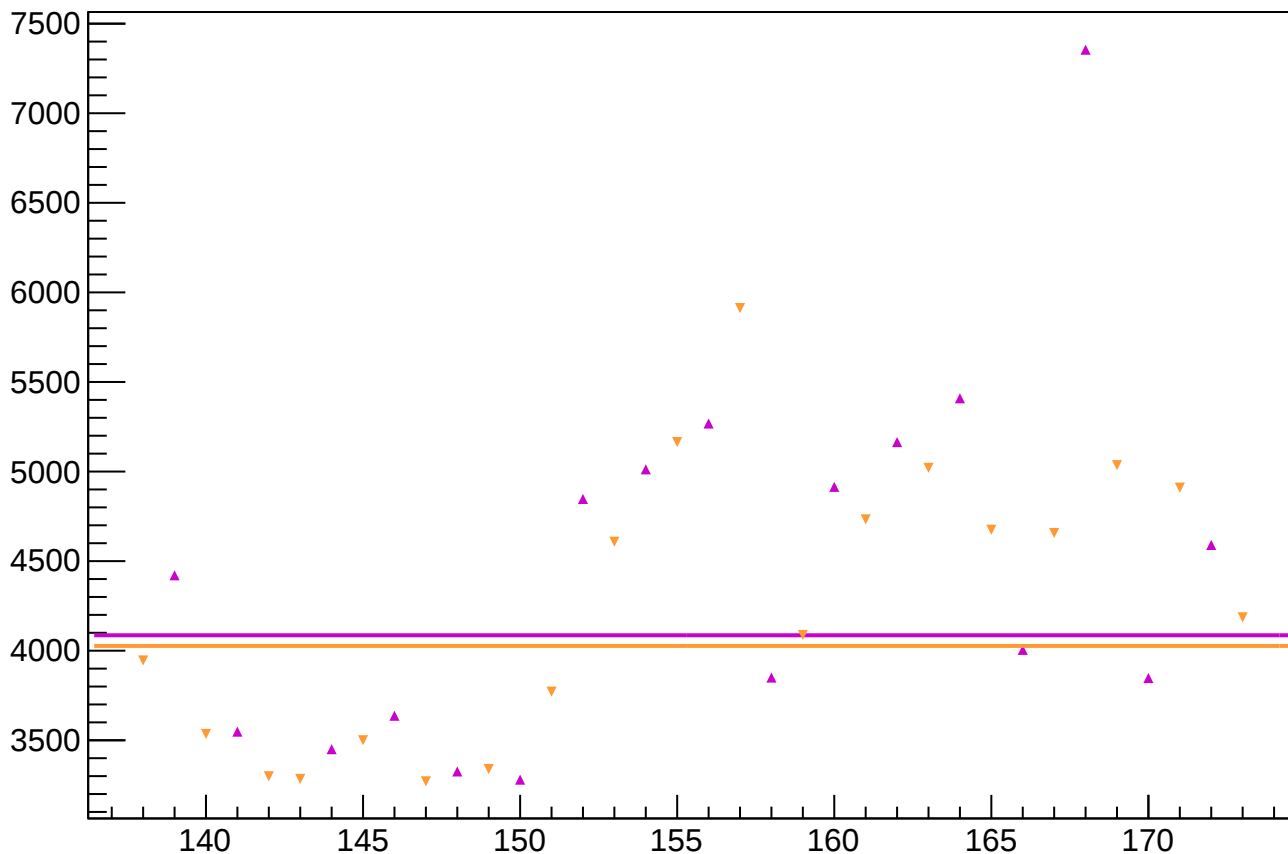
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -699.063+/-1142.443 χ^2/NDF :14.1/16

Out: -962.016+/-1090.452 χ^2/NDF :20.3/18

All: -836.659+/-788.806 χ^2/NDF : 34.4/35

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 4026.717+/-0.771 χ^2/NDF :849722.7/18

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

Left In: 4086.113+/-0.808 χ^2/NDF :1035337.7/16

Left: 4055.033+/-0.558 χ^2/NDF : 1887889.2/35

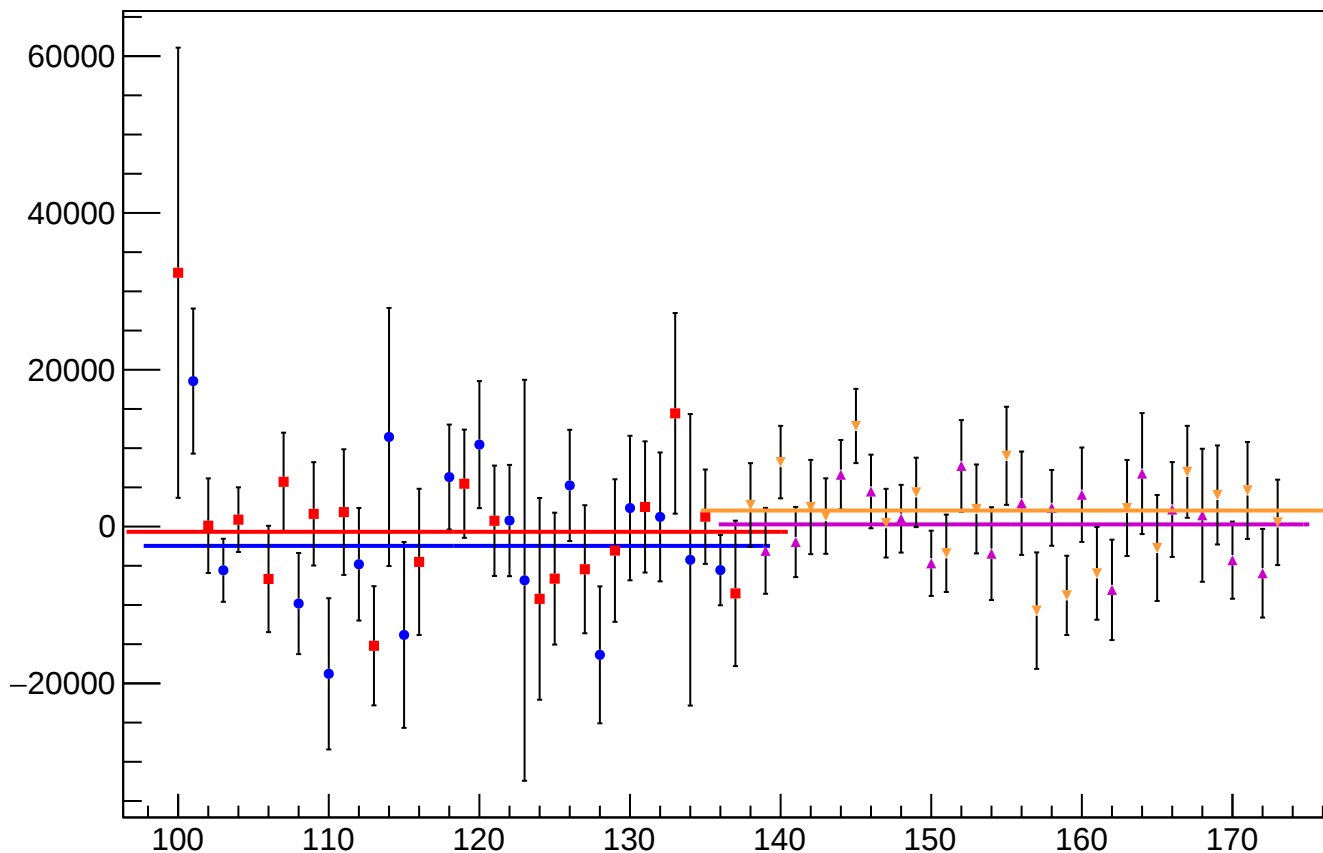
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4086.113+/-0.808 χ^2/NDF :1035337.7/16

Out: 4026.717+/-0.771 χ^2/NDF :849722.7/18

All: 4055.033+/-0.558 χ^2/NDF : 1887889.2/35

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2462.254 $\pm$ 1797.293 χ^2/NDF : 20.8/16

Left Out: 2047.511 $\pm$ 1243.265 χ^2/NDF : 20.8/18

Right Out: -666.170 $\pm$ 1689.812 χ^2/NDF : 11.9/18

Left In: 277.084 $\pm$ 1294.194 χ^2/NDF : 12.3/16

Left: 1197.817 $\pm$ 896.585 χ^2/NDF : 34.1/35

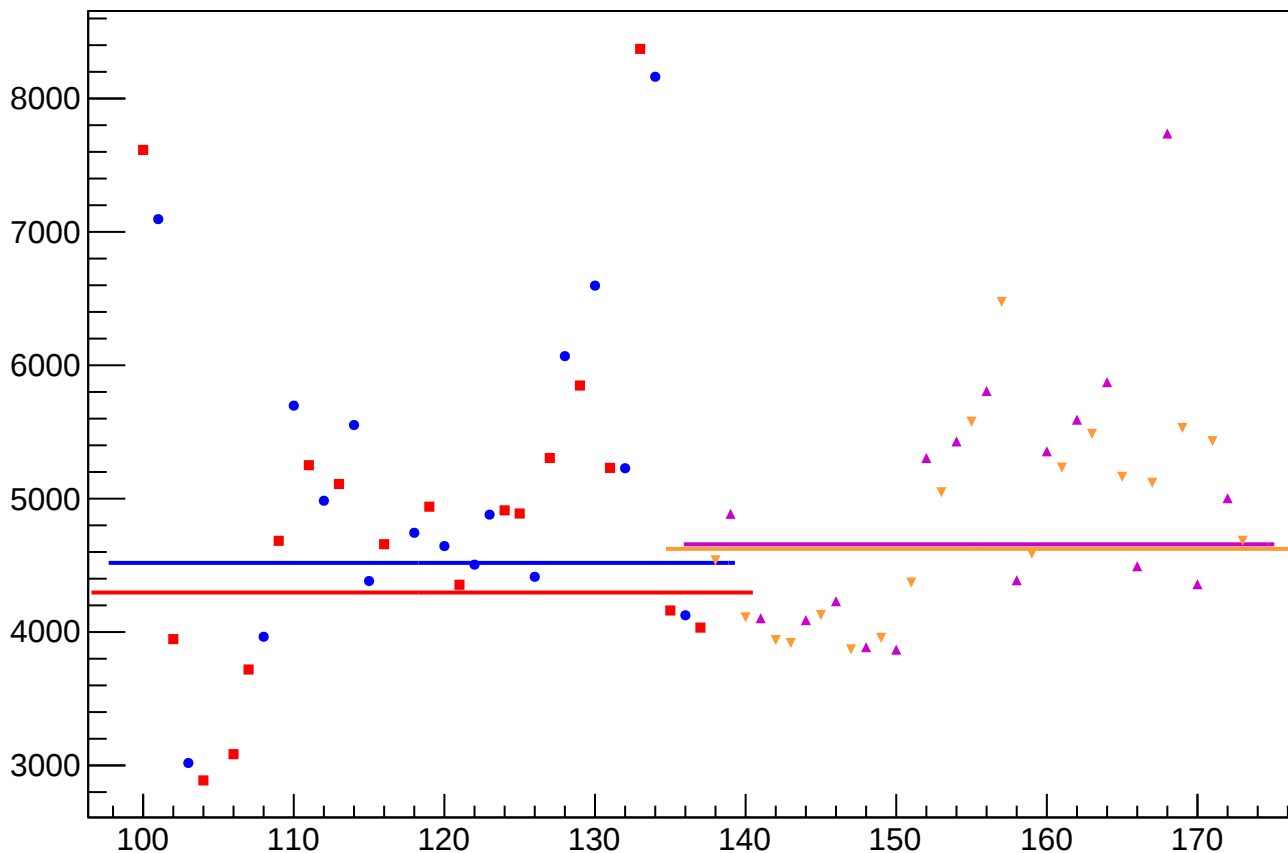
Right: -1508.905 $\pm$ 1231.122 χ^2/NDF : 33.3/35

In: -658.295 $\pm$ 1050.243 χ^2/NDF : 34.7/33

Out: 1094.456 $\pm$ 1001.424 χ^2/NDF : 34.4/37

All: 259.763 $\pm$ 724.758 χ^2/NDF : 70.5/71

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4518.684 $\pm$ 1.271 χ^2 /NDF: 770226.9/16

Left Out: 4623.666 $\pm$ 0.879 χ^2 /NDF: 571522.8/18

Right Out: 4296.379 $\pm$ 1.188 χ^2 /NDF: 771702.5/18

Left In: 4657.838 $\pm$ 0.915 χ^2 /NDF: 743875.0/16

Left: 4640.067 $\pm$ 0.634 χ^2 /NDF: 1316122.9/35

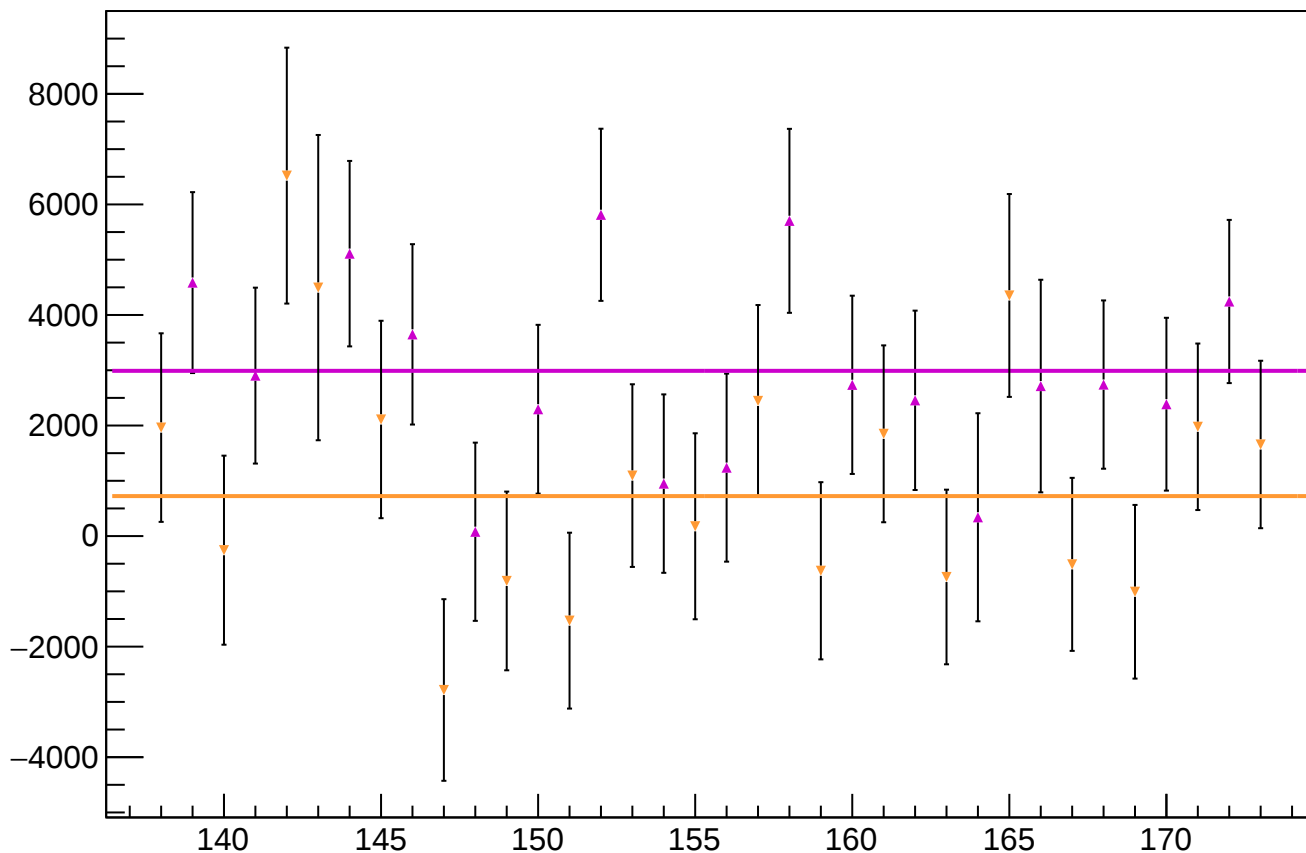
Right: 4400.071 $\pm$ 0.868 χ^2 /NDF: 1558255.2/35

In: 4610.322 $\pm$ 0.743 χ^2 /NDF: 1521997.2/33

Out: 4507.891 $\pm$ 0.707 χ^2 /NDF: 1392253.5/37

All: 4556.571 $\pm$ 0.512 χ^2 /NDF: 2924234.0/71

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

Left Out: 723.369+/-386.774 χ^2/NDF : 27.1/18

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

Left In: 2989.391+/-394.274 χ^2/NDF : 17.8/16

Left: 1834.621+/-276.104 χ^2/NDF : 61.7/35

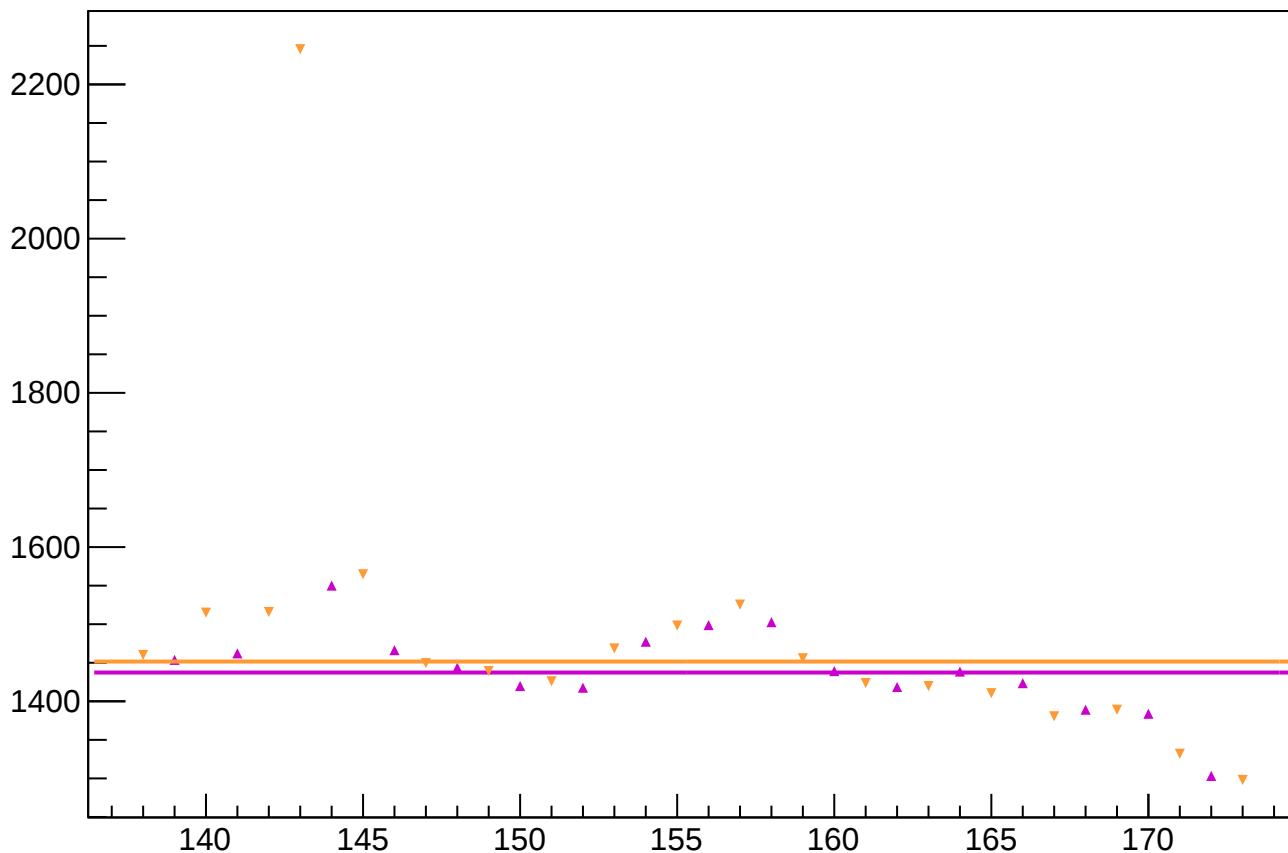
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2989.391+/-394.274 χ^2/NDF : 17.8/16

Out: 723.369+/-386.774 χ^2/NDF : 27.1/18

All: 1834.621+/-276.104 χ^2/NDF : 61.7/35

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1451.553+/-0.273 χ^2/NDF :226661.5/18

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

Left In: 1437.321+/-0.279 χ^2/NDF :39103.7/16

Left: 1444.574+/-0.195 χ^2/NDF : 267093.2/35

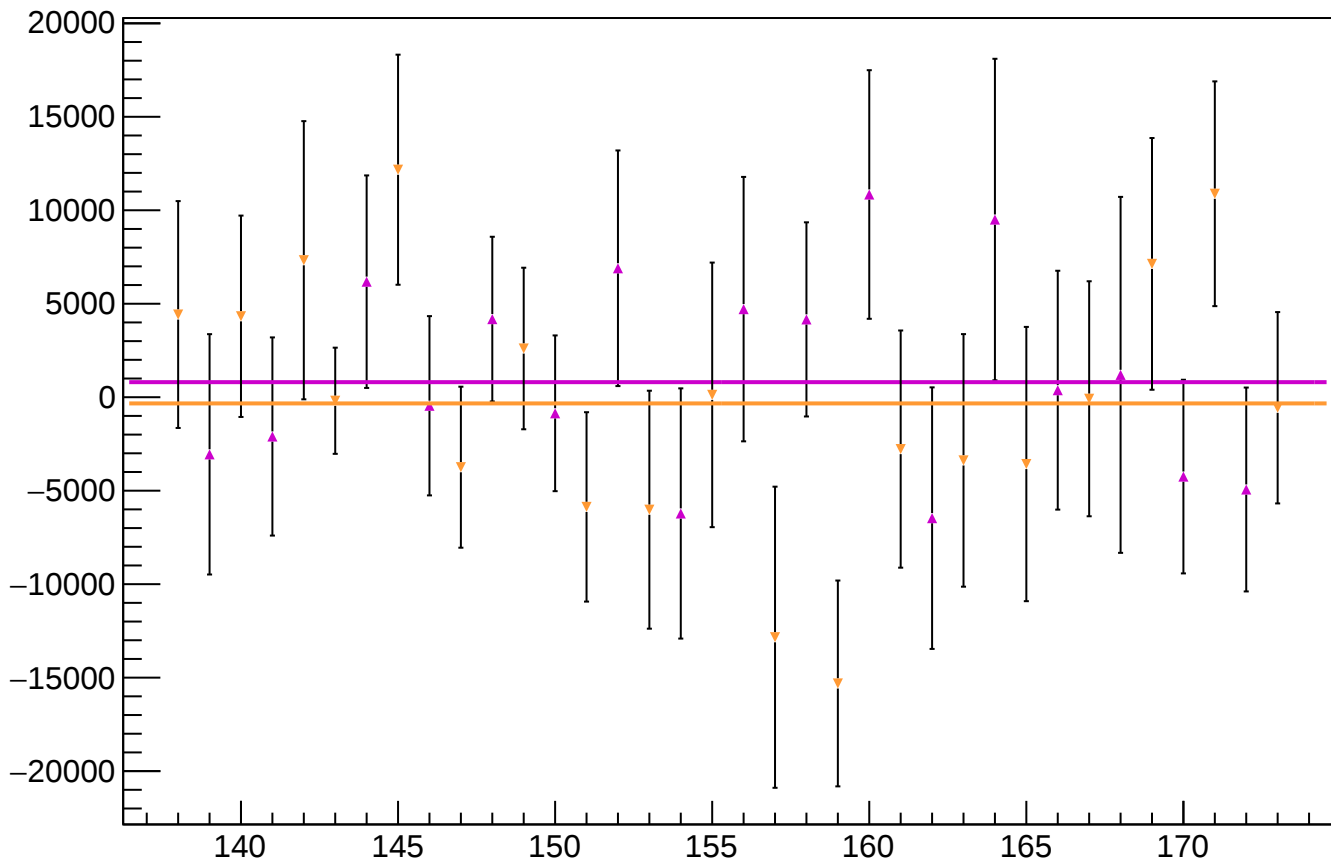
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1437.321+/-0.279 χ^2/NDF :39103.7/16

Out: 1451.553+/-0.273 χ^2/NDF :226661.5/18

All: 1444.574+/-0.195 χ^2/NDF : 267093.2/35

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: -331.806+/-1242.028 χ^2/NDF :24.7/18

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

Left In: 805.464+/-1398.857 χ^2/NDF :11.6/16

Left: 169.529+/-928.765 χ^2/NDF : 36.7/35

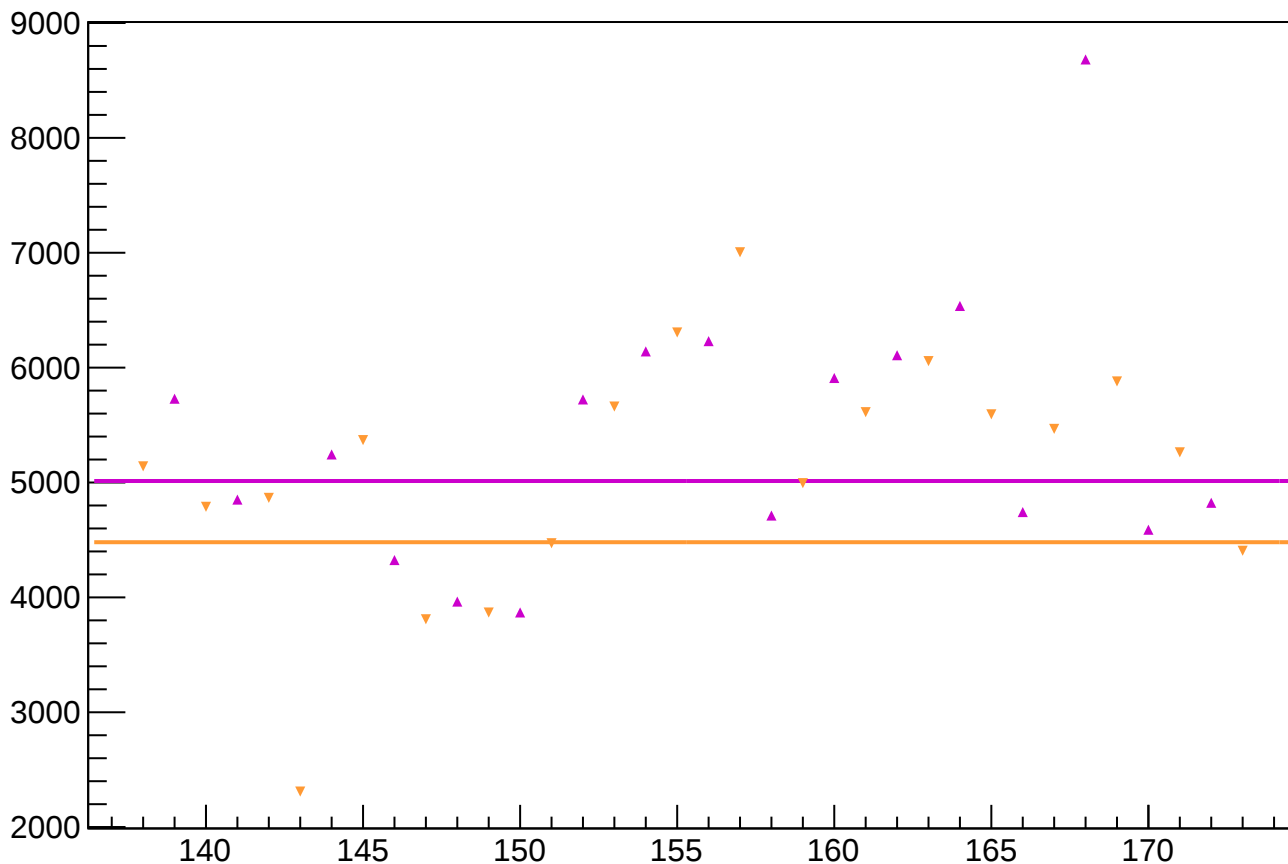
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 805.464+/-1398.857 χ^2/NDF :11.6/16

Out: -331.806+/-1242.028 χ^2/NDF :24.7/18

All: 169.529+/-928.765 χ^2/NDF : 36.7/35

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: 4480.352+/-0.878 χ^2/NDF :2139006.6/18

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

Left In: 5013.131+/-0.989 χ^2/NDF :948582.2/16

Left: 4715.214+/-0.657 χ^2/NDF : 3249816.7/35

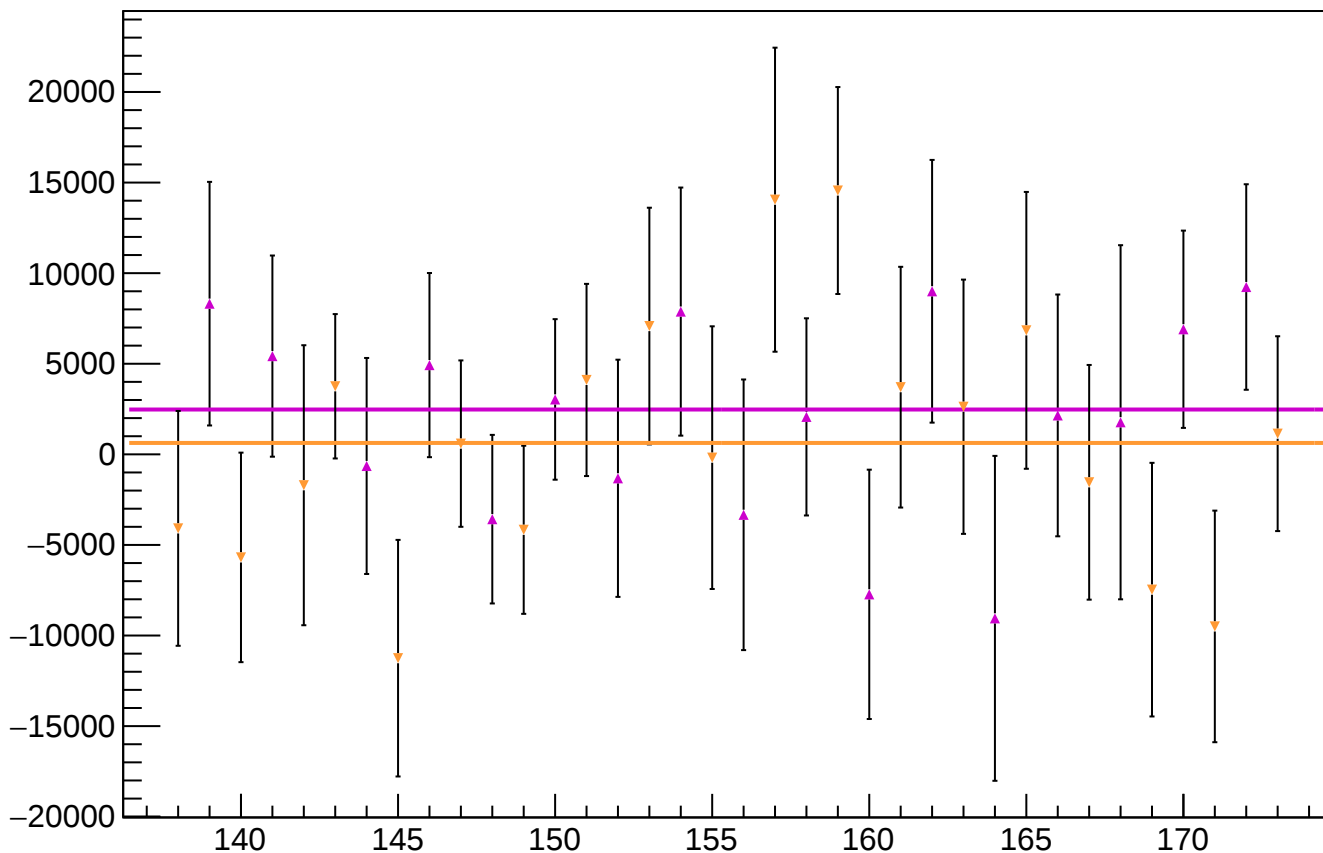
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5013.131+/-0.989 χ^2/NDF :948582.2/16

Out: 4480.352+/-0.878 χ^2/NDF :2139006.6/18

All: 4715.214+/-0.657 χ^2/NDF : 3249816.7/35

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

Left Out: 629.497+/-1364.487 χ^2/NDF :21.7/18

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

Left In: 2474.101+/-1466.012 χ^2/NDF :11.6/16

Left: 1485.721+/-998.803 χ^2/NDF : 34.1/35

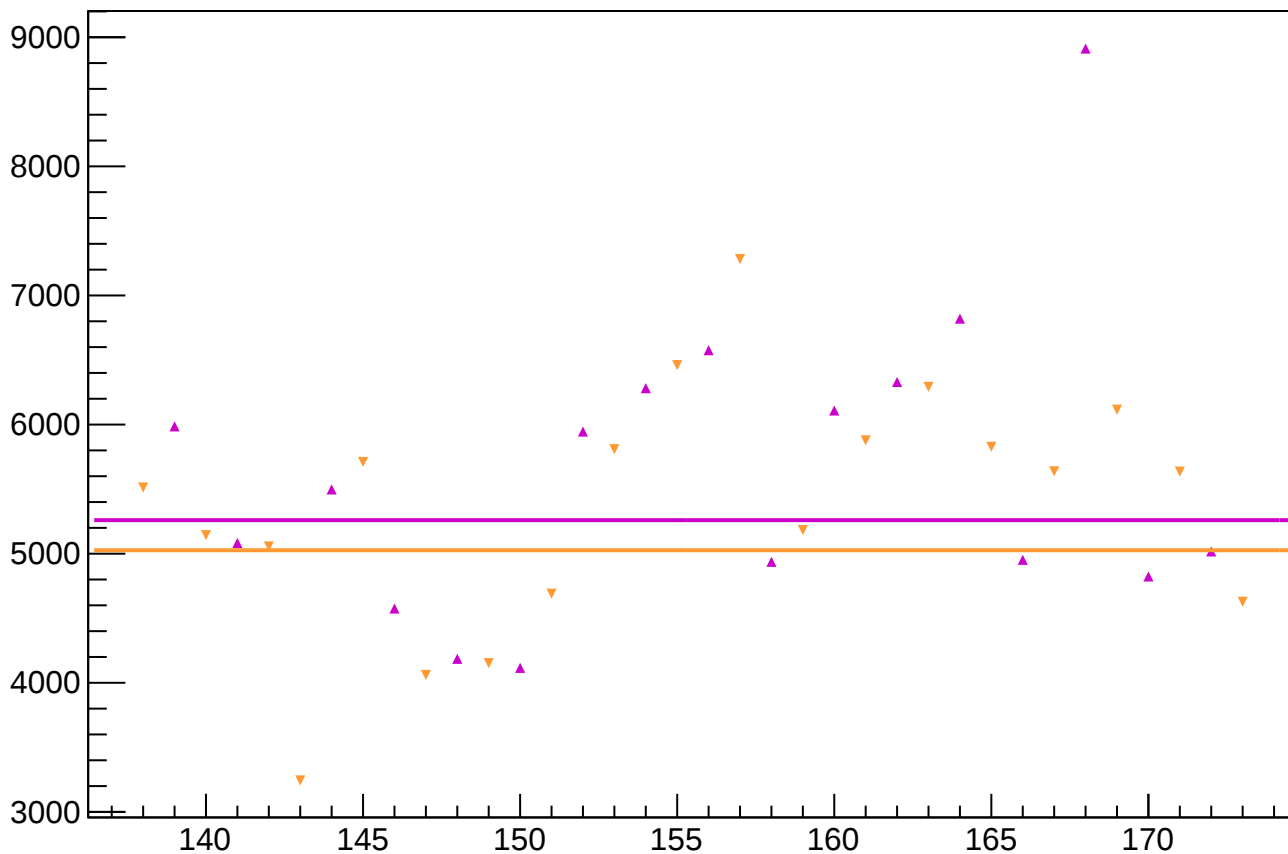
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2474.101+/-1466.012 χ^2/NDF :11.6/16

Out: 629.497+/-1364.487 χ^2/NDF :21.7/18

All: 1485.721+/-998.803 χ^2/NDF : 34.1/35

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

Left Out: 5026.643+/-0.965 χ^2/NDF :1070240.4/18

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

Left In: 5259.784+/-1.037 χ^2/NDF :875190.9/16

Left: 5134.862+/-0.706 χ^2/NDF : 1972534.2/35

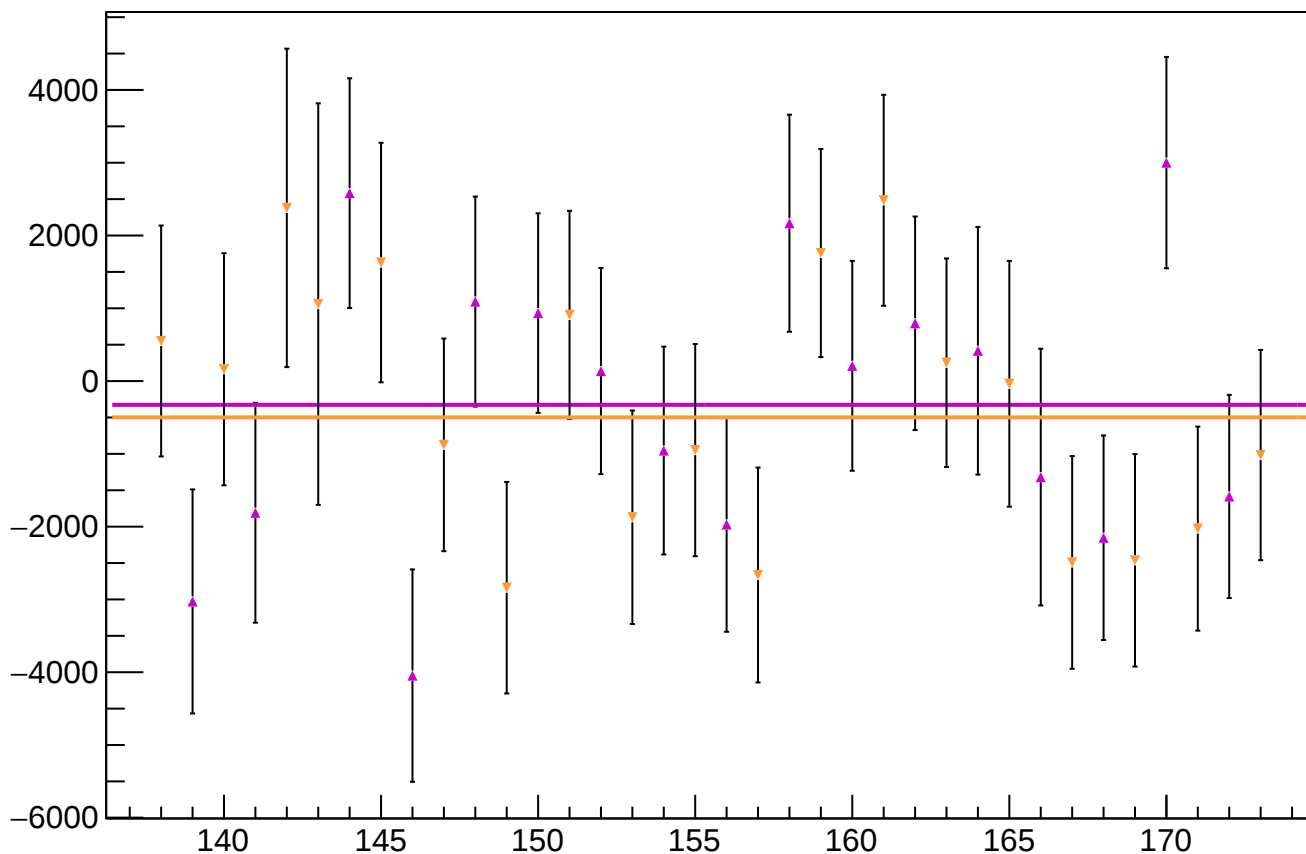
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5259.784+/-1.037 χ^2/NDF :875190.9/16

Out: 5026.643+/-0.965 χ^2/NDF :1070240.4/18

All: 5134.862+/-0.706 χ^2/NDF : 1972534.2/35

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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

Left Out: -498.591+/-352.334 χ^2/NDF :23.1/18

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

Left In: -326.758+/-359.231 χ^2/NDF :29.1/16

Left: -414.340+/-251.541 χ^2/NDF : 52.3/35

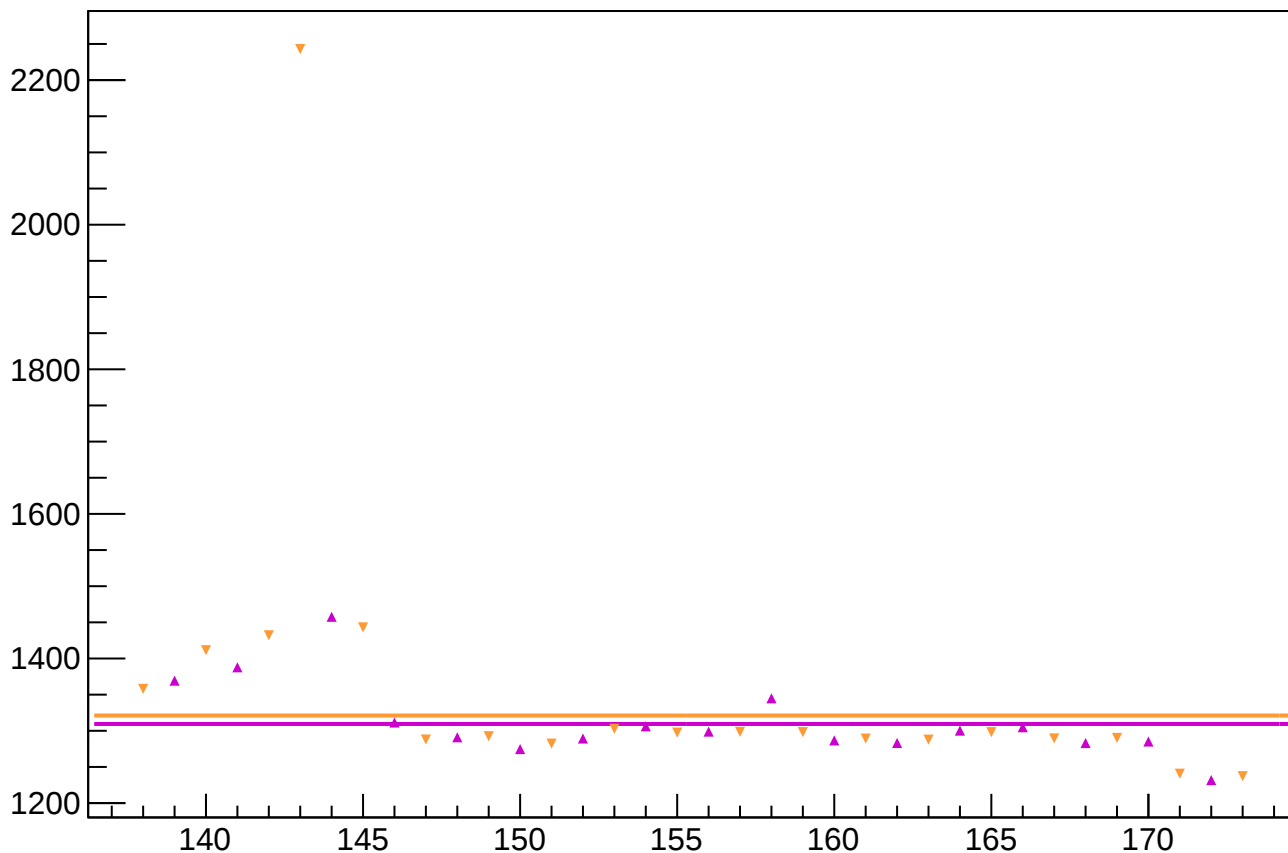
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -326.758+/-359.231 χ^2/NDF :29.1/16

Out: -498.591+/-352.334 χ^2/NDF :23.1/18

All: -414.340+/-251.541 χ^2/NDF : 52.3/35

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



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

Left Out: 1321.129+/-0.249 χ^2/NDF :269706.5/18

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

Left In: 1309.442+/-0.254 χ^2/NDF :37997.3/16

Left: 1315.399+/-0.178 χ^2/NDF : 308782.6/35

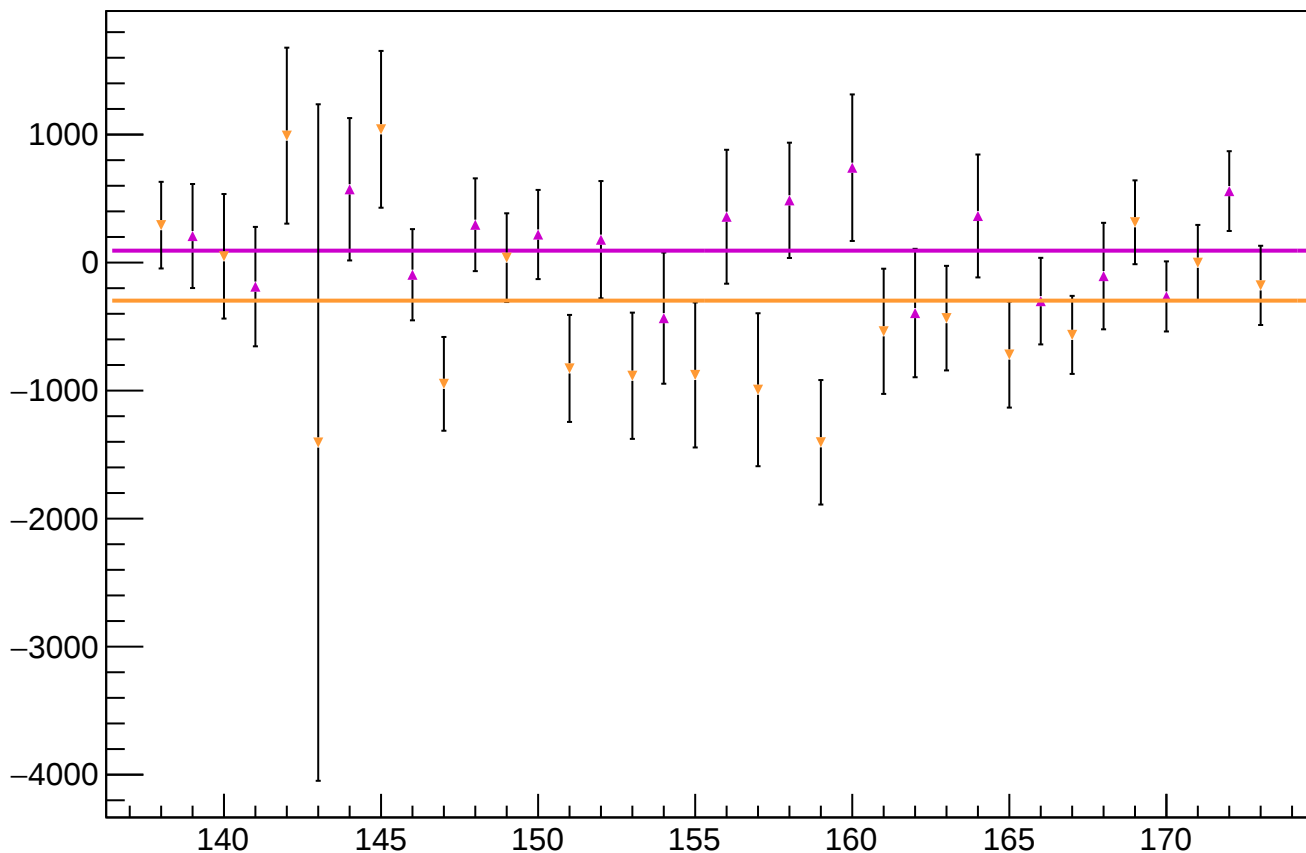
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1309.442+/-0.254 χ^2/NDF :37997.3/16

Out: 1321.129+/-0.249 χ^2/NDF :269706.5/18

All: 1315.399+/-0.178 χ^2/NDF : 308782.6/35

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: -297.192+/-94.646 χ^2/NDF :33.5/18

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

Left In: 93.194+/-97.906 χ^2/NDF :12.1/16

Left: -108.606+/-68.048 χ^2/NDF : 53.8/35

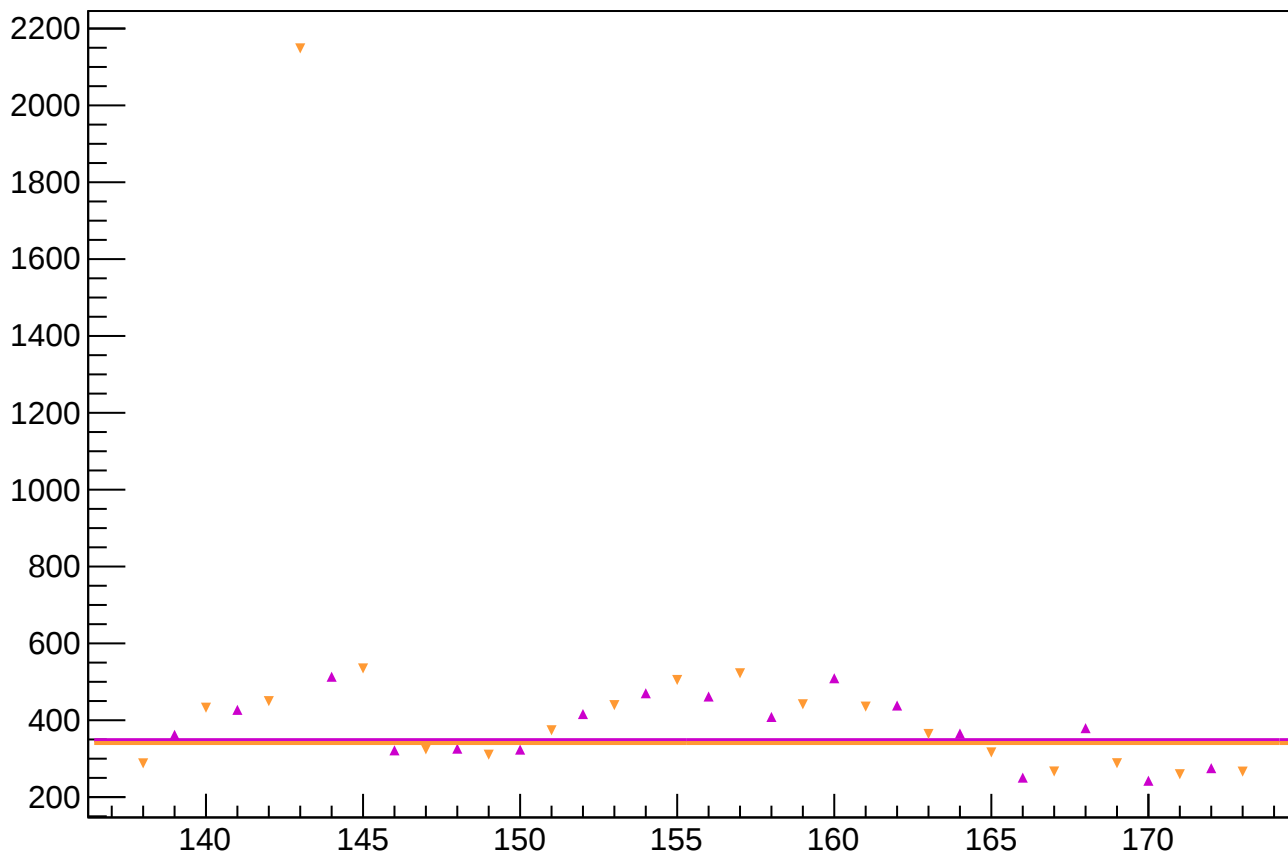
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 93.194+/-97.906 χ^2/NDF :12.1/16

Out: -297.192+/-94.646 χ^2/NDF :33.5/18

All: -108.606+/-68.048 χ^2/NDF : 53.8/35

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: 340.701+/-0.067 χ^2/NDF :2382936.8/18

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

Left In: 348.183+/-0.069 χ^2/NDF :1362059.3/16

Left: 344.315+/-0.048 χ^2/NDF : 3751033.2/35

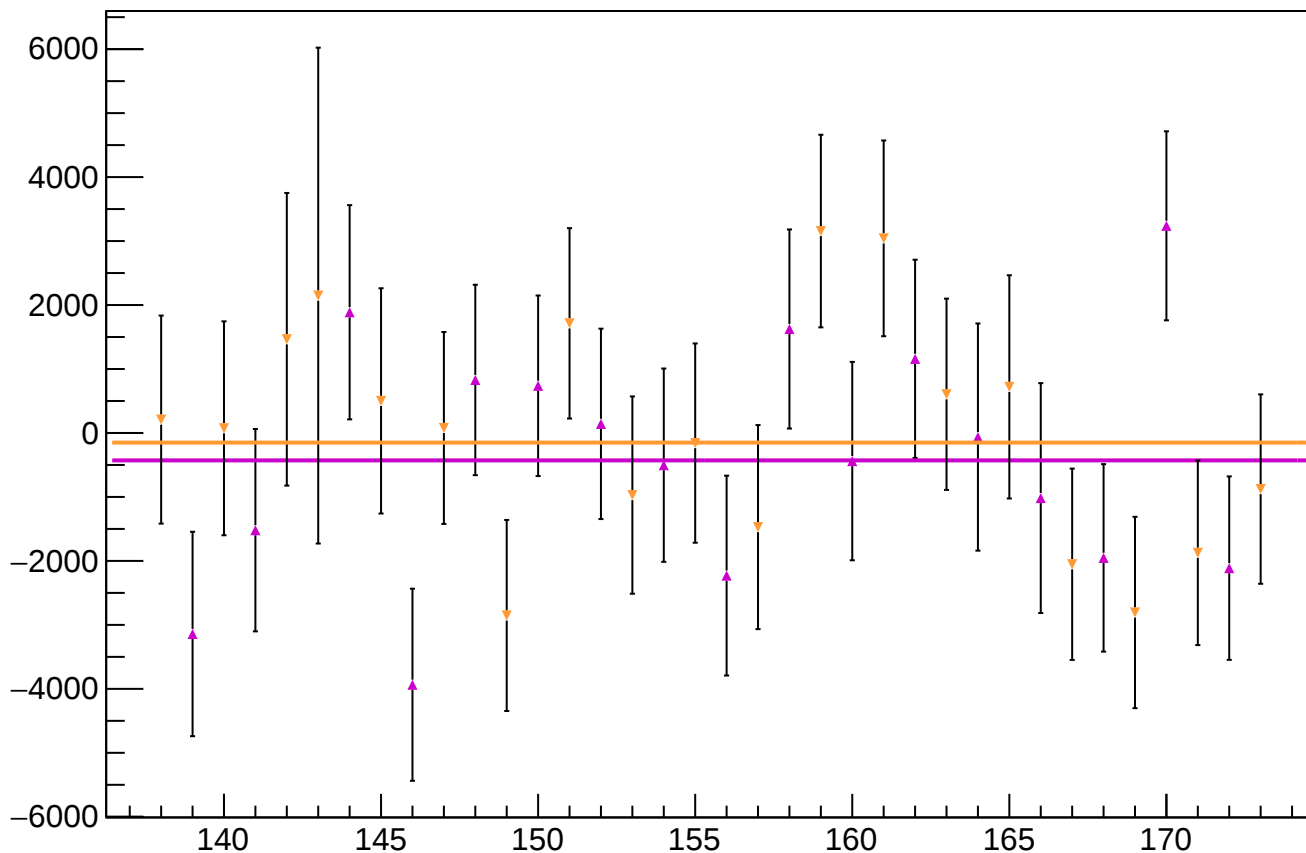
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 348.183+/-0.069 χ^2/NDF :1362059.3/16

Out: 340.701+/-0.067 χ^2/NDF :2382936.8/18

All: 344.315+/-0.048 χ^2/NDF : 3751033.2/35

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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

Left Out: -150.269 ± 368.572 $\chi^2/\text{NDF}: 23.0/18$

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

Left In: -428.573 ± 374.571 $\chi^2/\text{NDF}: 25.2/16$

Left: -287.175 ± 262.715 $\chi^2/\text{NDF}: 48.5/35$

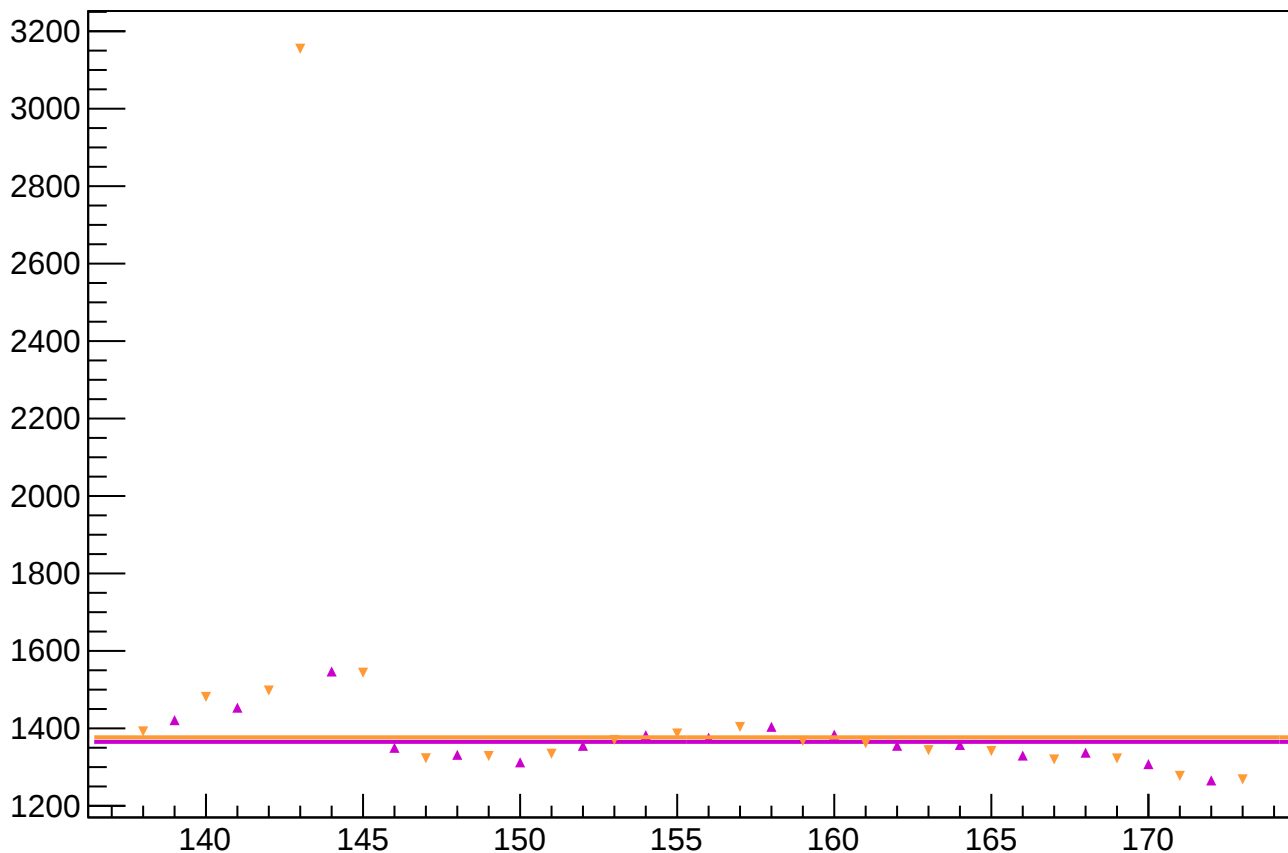
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -428.573 ± 374.571 $\chi^2/\text{NDF}: 25.2/16$

Out: -150.269 ± 368.572 $\chi^2/\text{NDF}: 23.0/18$

All: -287.175 ± 262.715 $\chi^2/\text{NDF}: 48.5/35$

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



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

Left Out: 1376.967+/-0.261 χ^2/NDF :487360.2/18

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

Left In: 1365.156+/-0.265 χ^2/NDF :52570.2/16

Left: 1371.156+/-0.186 χ^2/NDF : 540940.7/35

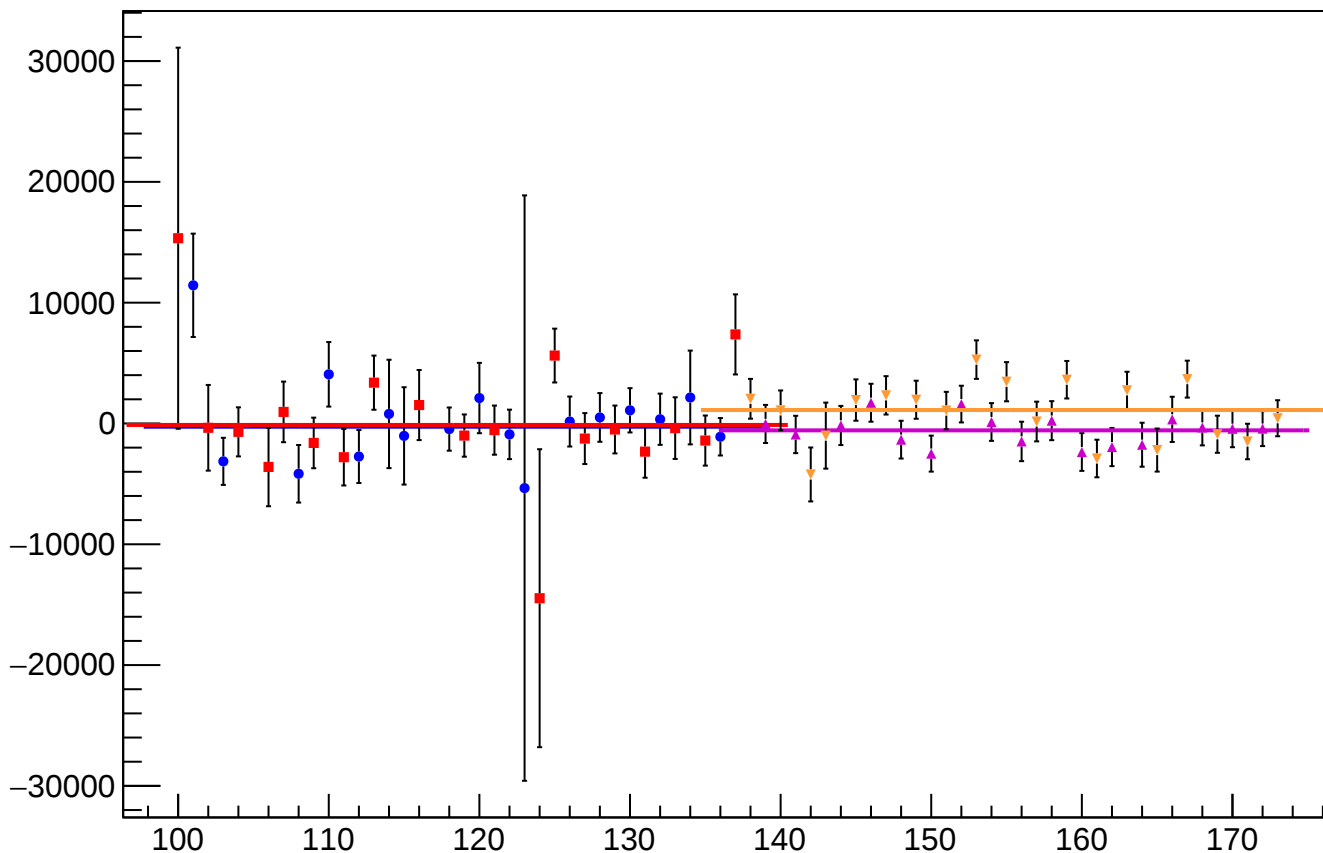
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1365.156+/-0.265 χ^2/NDF :52570.2/16

Out: 1376.967+/-0.261 χ^2/NDF :487360.2/18

All: 1371.156+/-0.186 χ^2/NDF : 540940.7/35

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -266.664 ± 567.455 χ^2/NDF : 18.6/16

Left Out: 1113.757 ± 375.303 χ^2/NDF : 38.7/18

Right Out: -122.072 ± 554.216 χ^2/NDF : 22.1/18

Left In: -569.486 ± 382.673 χ^2/NDF : 9.9/16

Left: 288.502 ± 267.947 χ^2/NDF : 58.4/35

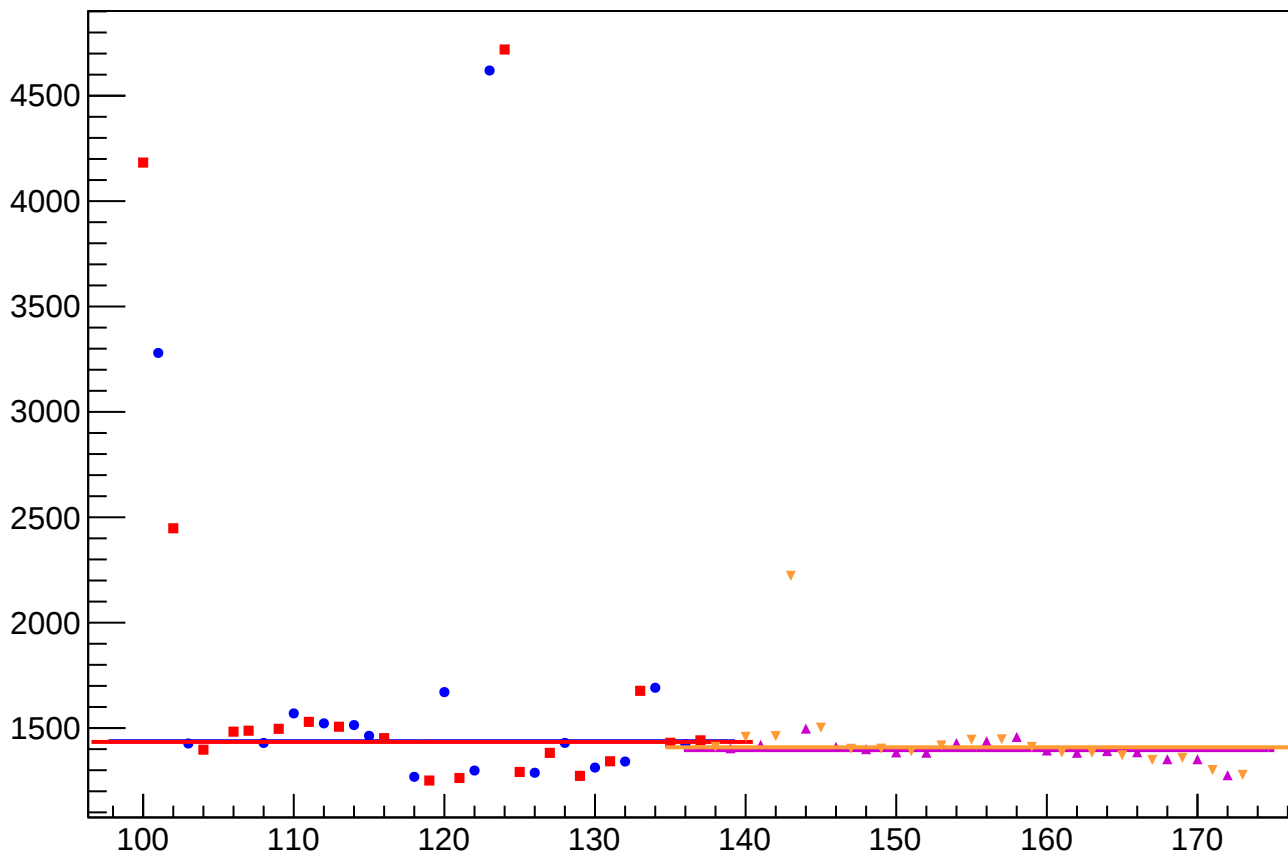
Right: -192.662 ± 396.488 χ^2/NDF : 40.8/35

In: -474.822 ± 317.271 χ^2/NDF : 28.7/33

Out: 725.217 ± 310.755 χ^2/NDF : 64.2/37

All: 137.647 ± 222.005 χ^2/NDF : 100.2/71

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1437.576 $\pm$ 0.401 χ^2 /NDF: 486465.9/16

Left Out: 1408.725 $\pm$ 0.265 χ^2 /NDF: 221959.1/18

Right Out: 1434.272 $\pm$ 0.392 χ^2 /NDF: 455611.8/18

Left In: 1395.367 $\pm$ 0.271 χ^2 /NDF: 31281.7/16

Left: 1402.176 $\pm$ 0.189 χ^2 /NDF: 254483.1/35

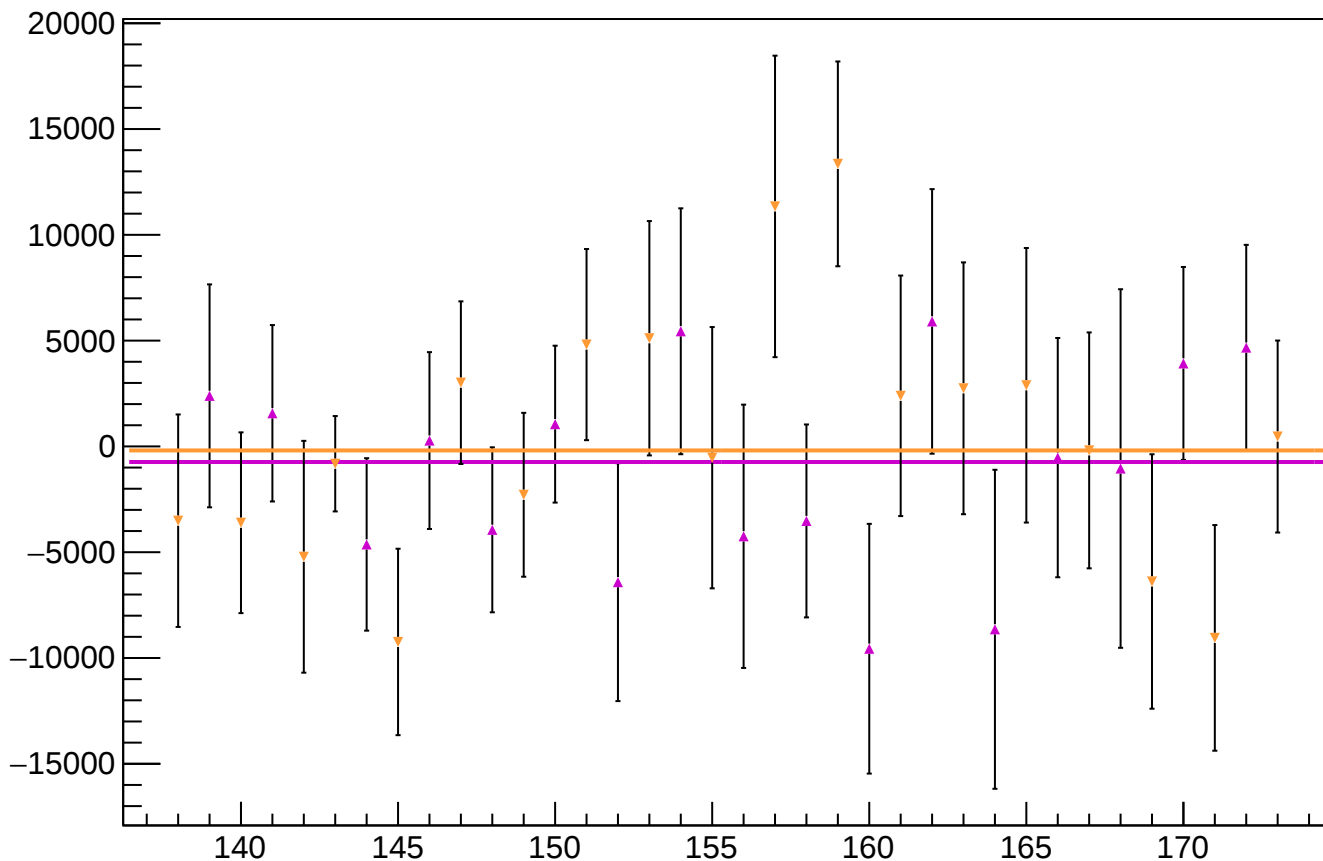
Right: 1435.884 $\pm$ 0.280 χ^2 /NDF: 942112.4/35

In: 1408.562 $\pm$ 0.224 χ^2 /NDF: 525354.3/33

Out: 1416.764 $\pm$ 0.220 χ^2 /NDF: 680486.9/37

All: 1412.749 $\pm$ 0.157 χ^2 /NDF: 1206523.5/71

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: -189.953+/-1049.847 χ^2/NDF :24.3/18

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

Left In: -736.968+/-1201.741 χ^2/NDF :12.1/16

Left: -426.726+/-790.637 χ^2/NDF : 36.6/35

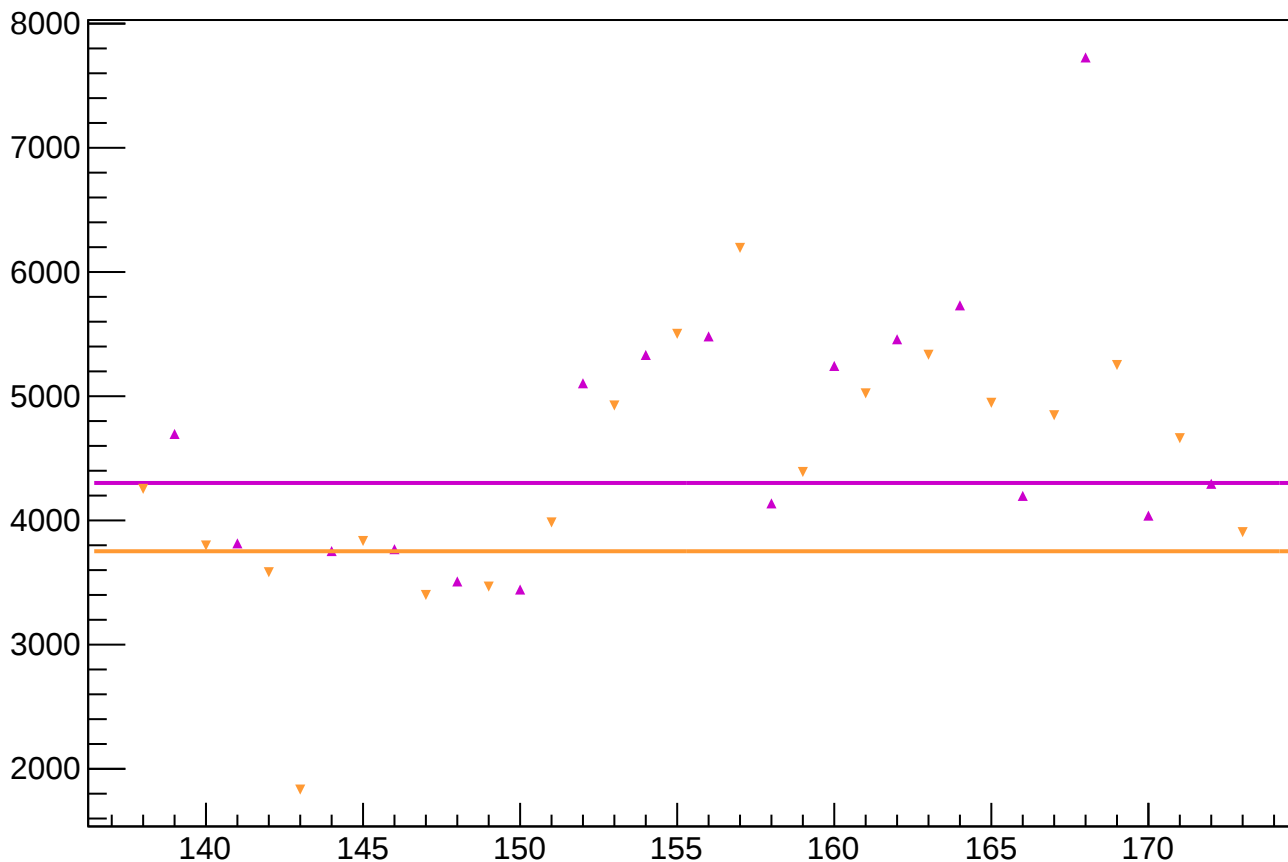
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -736.968+/-1201.741 χ^2/NDF :12.1/16

Out: -189.953+/-1049.847 χ^2/NDF :24.3/18

All: -426.726+/-790.637 χ^2/NDF : 36.6/35

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: 3751.874+/-0.742 χ^2/NDF :2596979.5/18

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

Left In: 4301.642+/-0.850 χ^2/NDF :1000897.9/16

Left: 3989.839+/-0.559 χ^2/NDF : 3835271.1/35

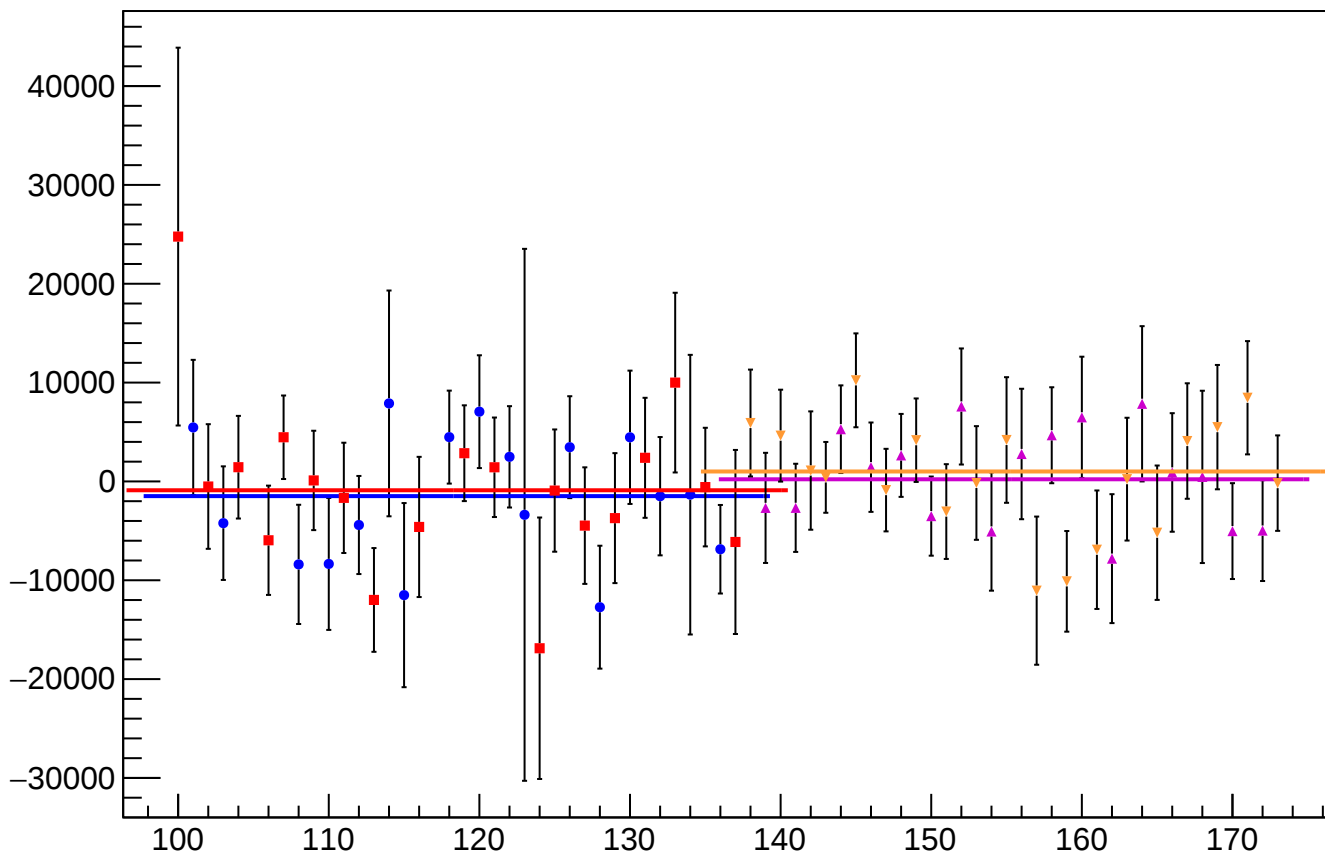
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4301.642+/-0.850 χ^2/NDF :1000897.9/16

Out: 3751.874+/-0.742 χ^2/NDF :2596979.5/18

All: 3989.839+/-0.559 χ^2/NDF : 3835271.1/35

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1487.038 $\pm$ 1499.116 χ^2/NDF : 16.7/16

Left Out: 1006.056 $\pm$ 1193.346 χ^2/NDF : 19.5/18

Right Out: -894.160 $\pm$ 1378.910 χ^2/NDF : 14.1/18

Left In: 216.058 $\pm$ 1278.299 χ^2/NDF : 12.3/16

Left: 638.178 $\pm$ 872.311 χ^2/NDF : 32.0/35

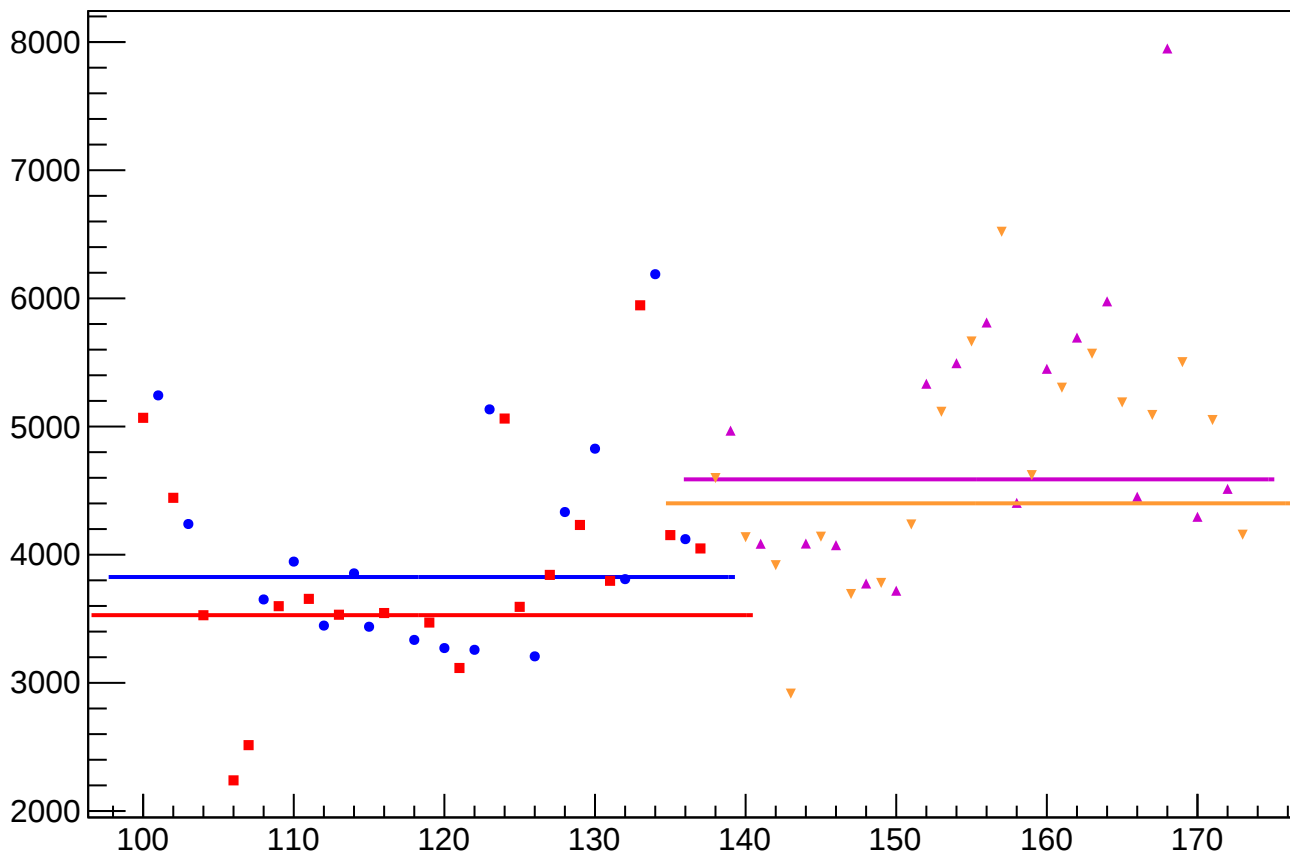
Right: -1165.879 $\pm$ 1014.876 χ^2/NDF : 30.9/35

In: -500.936 $\pm$ 972.688 χ^2/NDF : 29.8/33

Out: 192.321 $\pm$ 902.352 χ^2/NDF : 34.7/37

All: -128.339 $\pm$ 661.529 χ^2/NDF : 64.7/71

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



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

Left Out: 4400.843+/-0.844 χ^2/NDF : 1010921.3/18

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

Left In: 4587.891+/-0.904 χ^2/NDF : 870922.8/16

Left: 4487.945+/-0.617 χ^2/NDF : 1904725.5/35

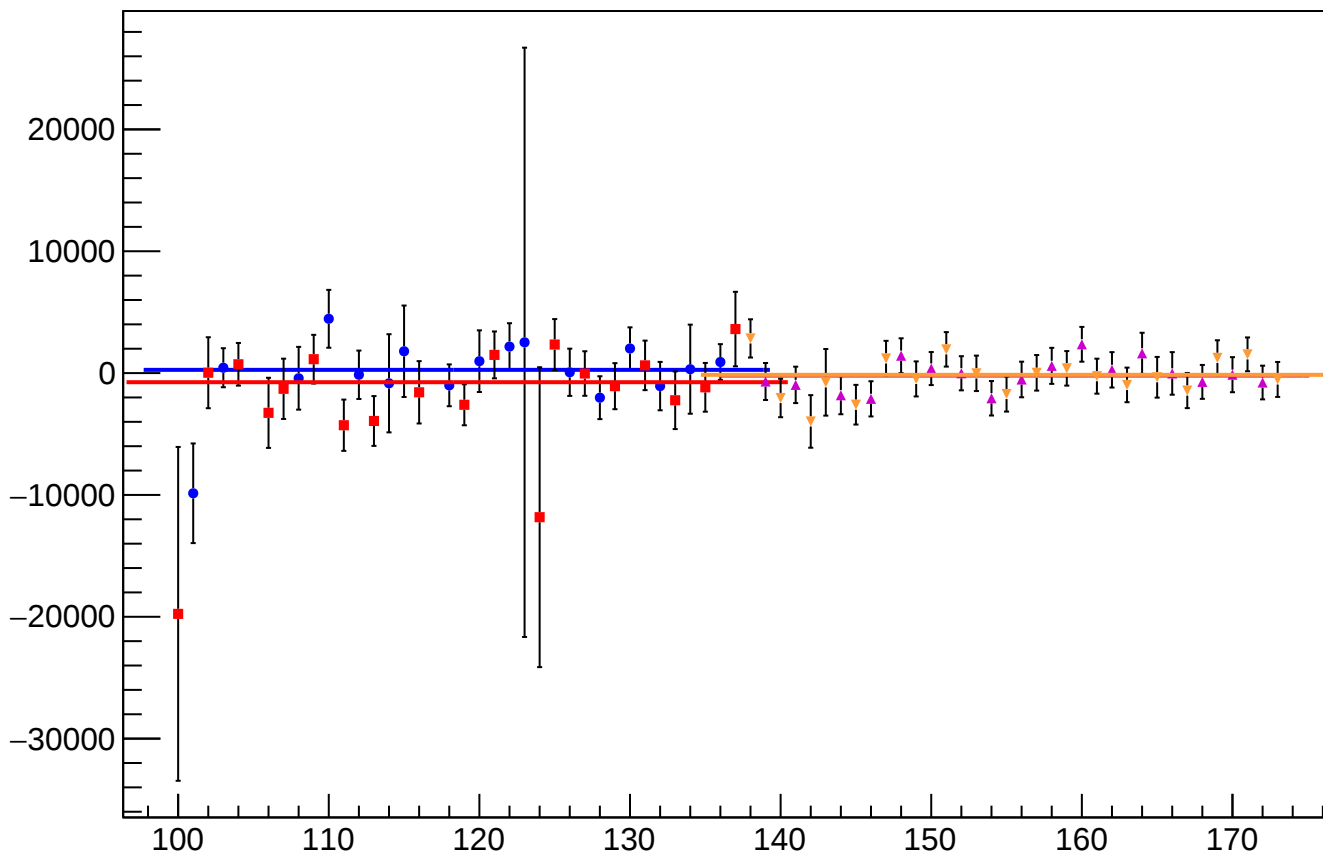
Right: 3663.316+/-0.714 χ^2/NDF : 932858.8/35

In: 4267.063+/-0.688 χ^2/NDF : 1504566.6/33

Out: 4023.280+/-0.636 χ^2/NDF : 2029013.1/37

All: 4135.565+/-0.467 χ^2/NDF : 3601346.7/71

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 265.987 $\pm$ 523.529 χ^2 /NDF: 14.6/16

Left Out: -142.567 $\pm$ 348.793 χ^2 /NDF:18.6/18

Right Out: -747.421 $\pm$ 511.778 χ^2 /NDF: 18.4/18

Left In: -201.986 $\pm$ 355.547 χ^2 /NDF:11.6/16

Left: -171.706 $\pm$ 248.987 χ^2 /NDF: 30.2/35

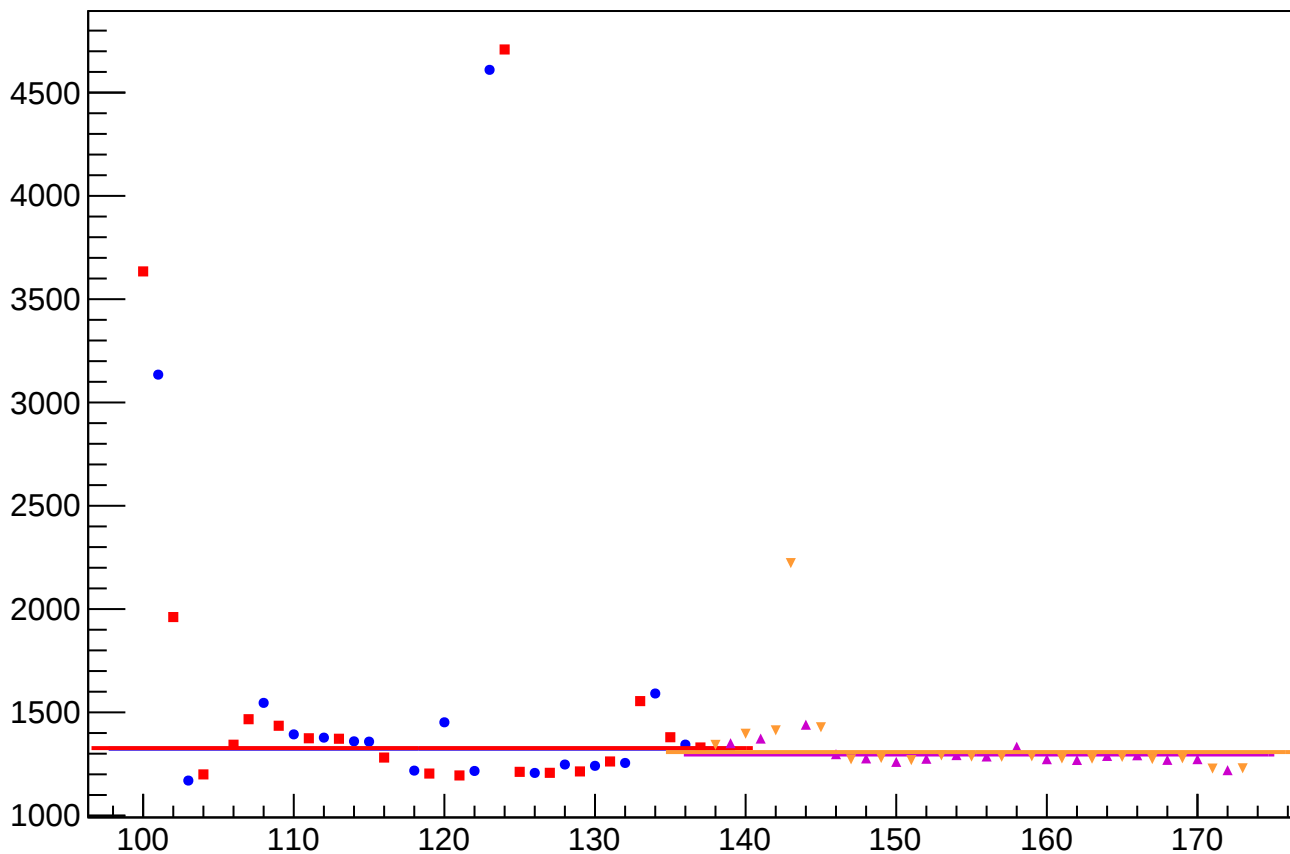
Right: -252.218 $\pm$ 365.966 χ^2 /NDF: 35.0/35

In: -54.274 $\pm$ 294.129 χ^2 /NDF:26.7/33

Out: -334.406 $\pm$ 288.221 χ^2 /NDF:38.0/37

All: -197.182 $\pm$ 205.860 χ^2 /NDF: 65.2/71

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1324.281+/-0.370 χ^2/NDF : 514089.5/16

Left Out: 1307.799+/-0.247 χ^2/NDF : 269042.0/18

Right Out: 1326.975+/-0.362 χ^2/NDF : 392077.2/18

Left In: 1296.006+/-0.251 χ^2/NDF : 36977.7/16

Left: 1302.015+/-0.176 χ^2/NDF : 307141.0/35

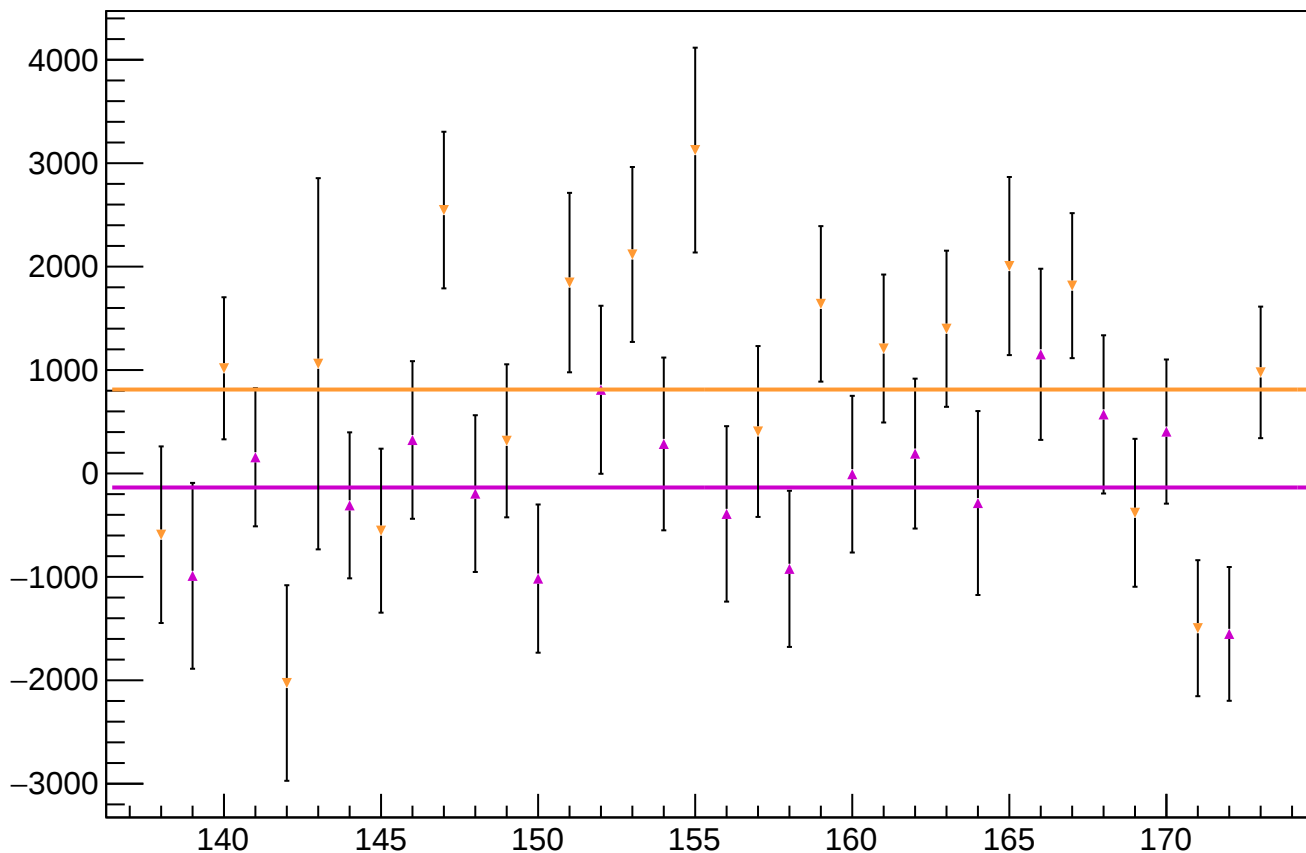
Right: 1325.659+/-0.259 χ^2/NDF : 906193.7/35

In: 1304.931+/-0.208 χ^2/NDF : 555059.9/33

Out: 1313.881+/-0.204 χ^2/NDF : 663036.5/37

All: 1309.497+/-0.146 χ^2/NDF : 1219041.2/71

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: 811.476+/-179.914 χ^2/NDF :51.3/18

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

Left In: -135.651+/-184.055 χ^2/NDF :14.7/16

Left: 348.687+/-128.657 χ^2/NDF : 79.5/35

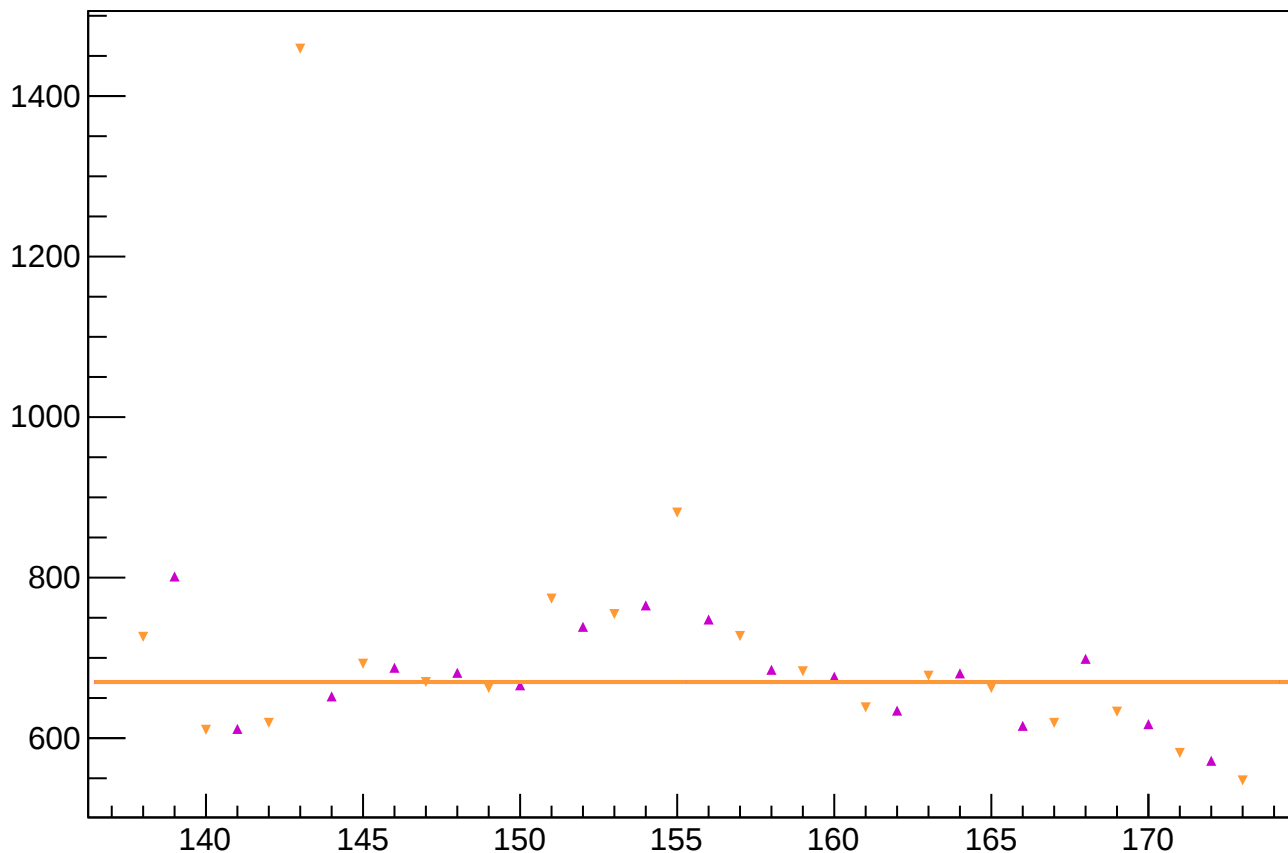
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -135.651+/-184.055 χ^2/NDF :14.7/16

Out: 811.476+/-179.914 χ^2/NDF :51.3/18

All: 348.687+/-128.657 χ^2/NDF : 79.5/35

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: 669.923+/-0.127 χ^2/NDF : 698516.5/18

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

Left In: 669.921+/-0.130 χ^2/NDF : 193403.0/16

Left: 669.922+/-0.091 χ^2/NDF : 891919.5/35

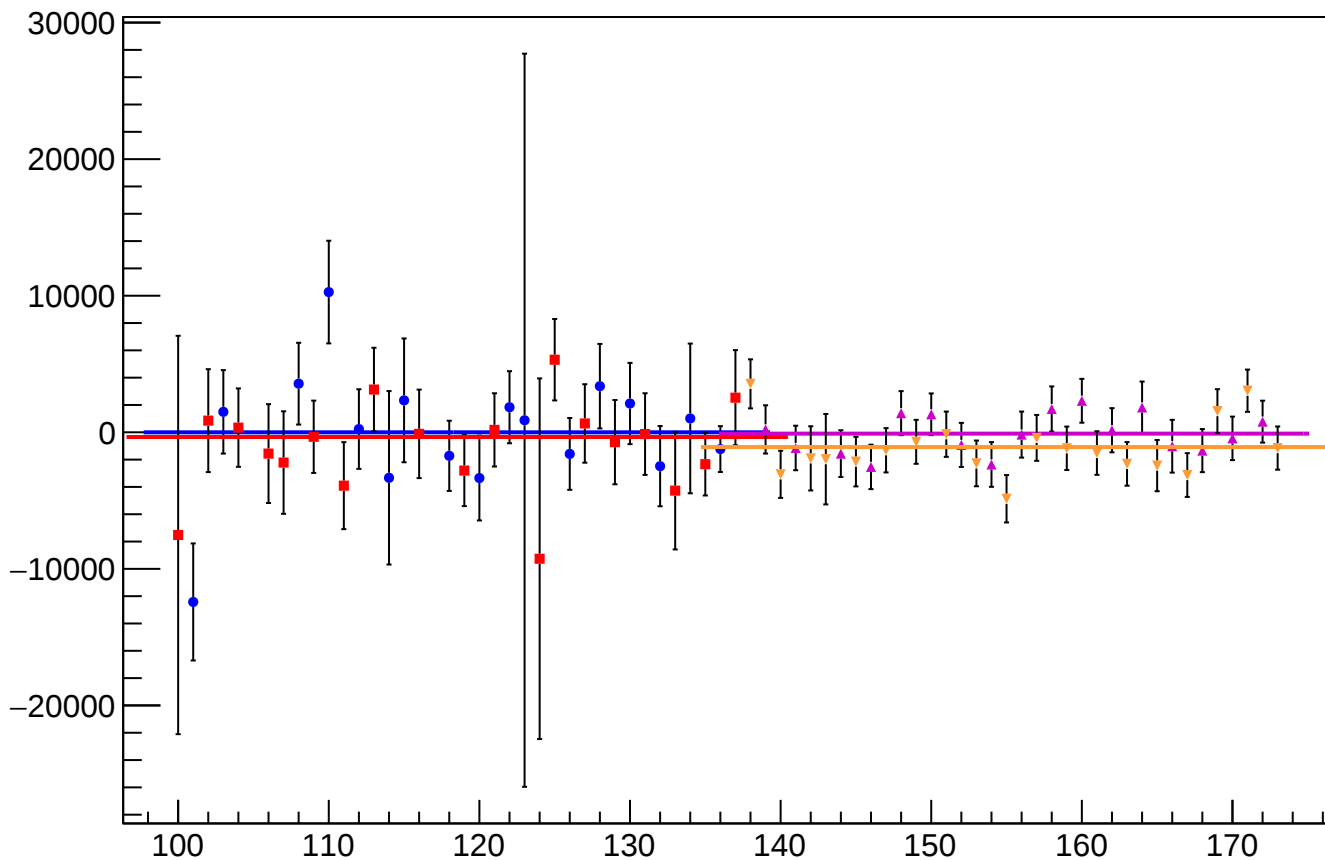
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 669.921+/-0.130 χ^2/NDF : 193403.0/16

Out: 669.923+/-0.127 χ^2/NDF : 698516.5/18

All: 669.922+/-0.091 χ^2/NDF : 891919.5/35

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



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

Left Out: -1080.242 ± 393.575 χ^2/NDF : 27.0/18

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

Left In: -97.993 ± 400.241 χ^2/NDF : 13.0/16

Left: -597.366 ± 280.627 χ^2/NDF : 43.1/35

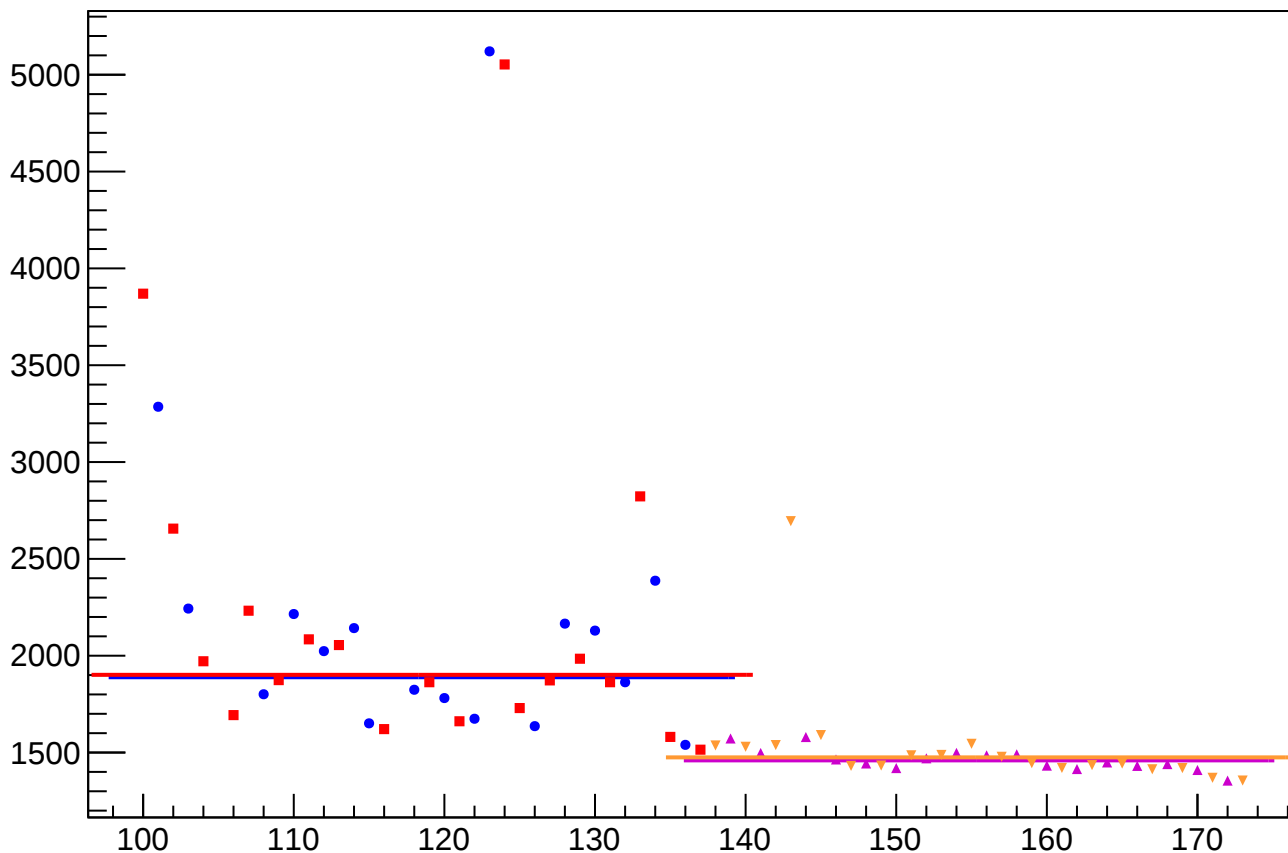
Right: -176.305 ± 522.783 χ^2/NDF : 34.3/35

In: -76.541 ± 352.588 χ^2/NDF : 36.5/33

Out: -915.992 ± 346.828 χ^2/NDF : 38.5/37

All: -503.179 ± 247.256 χ^2/NDF : 77.9/71

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1888.810 $\pm$ 0.527 χ^2 /NDF: 465842.8/16

Left Out: 1474.980 $\pm$ 0.278 χ^2 /NDF: 322503.6/18

Right Out: 1901.248 $\pm$ 0.519 χ^2 /NDF: 461424.3/18

Left In: 1459.521 $\pm$ 0.283 χ^2 /NDF: 37297.8/16

Left: 1467.380 $\pm$ 0.198 χ^2 /NDF: 361318.2/35

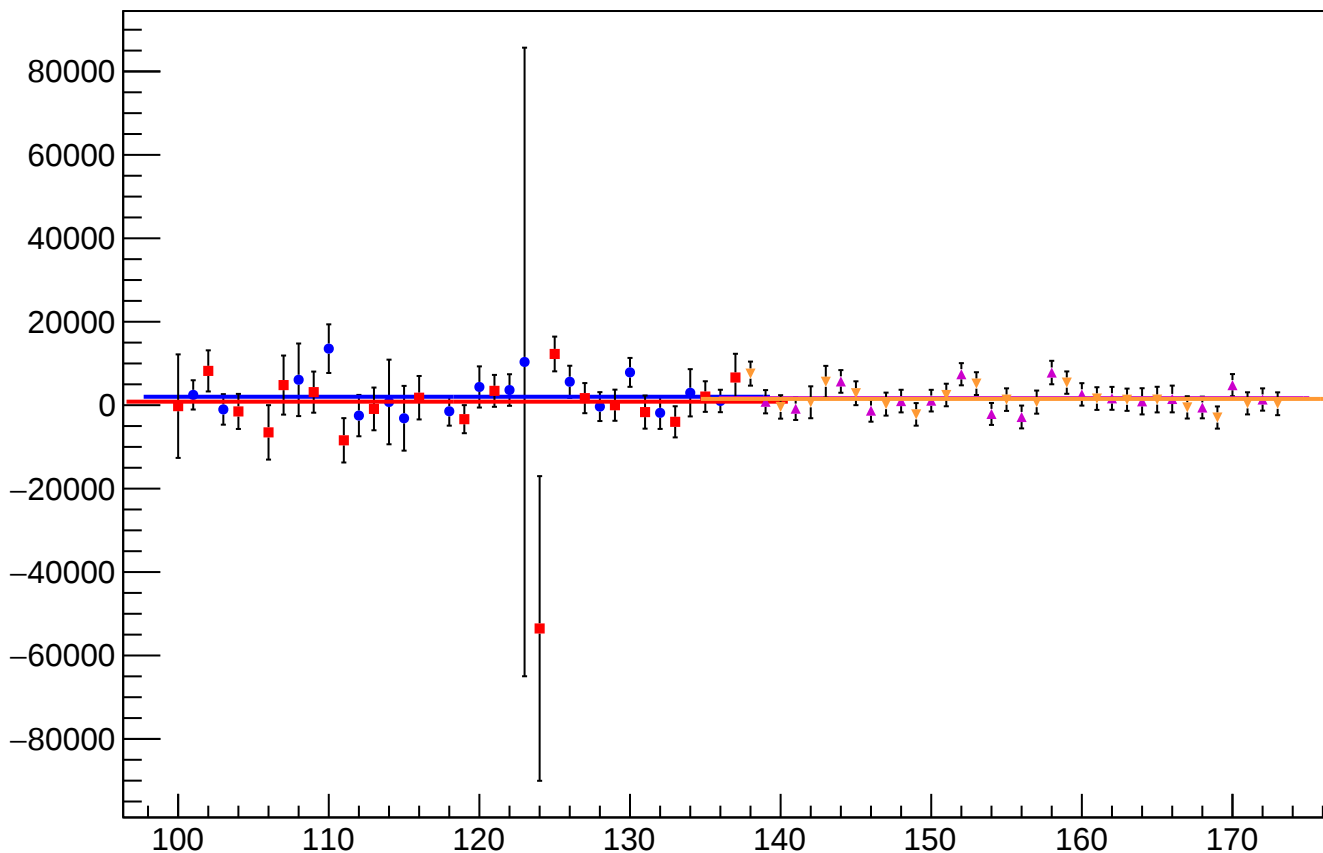
Right: 1895.125 $\pm$ 0.370 χ^2 /NDF: 927550.0/35

In: 1555.661 $\pm$ 0.249 χ^2 /NDF: 1018416.8/33

Out: 1570.228 $\pm$ 0.245 χ^2 /NDF: 1308150.6/37

All: 1563.065 $\pm$ 0.175 χ^2 /NDF: 2328302.3/71

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2021.418+/-1035.639 χ^2/NDF : 12.9/16

Left Out: 1502.909+/-646.749 χ^2/NDF :16.3/18

Right Out: 842.423+/-1051.980 χ^2/NDF : 22.7/18

Left In: 1688.509+/-663.388 χ^2/NDF :21.0/16

Left: 1593.352+/-463.091 χ^2/NDF : 37.4/35

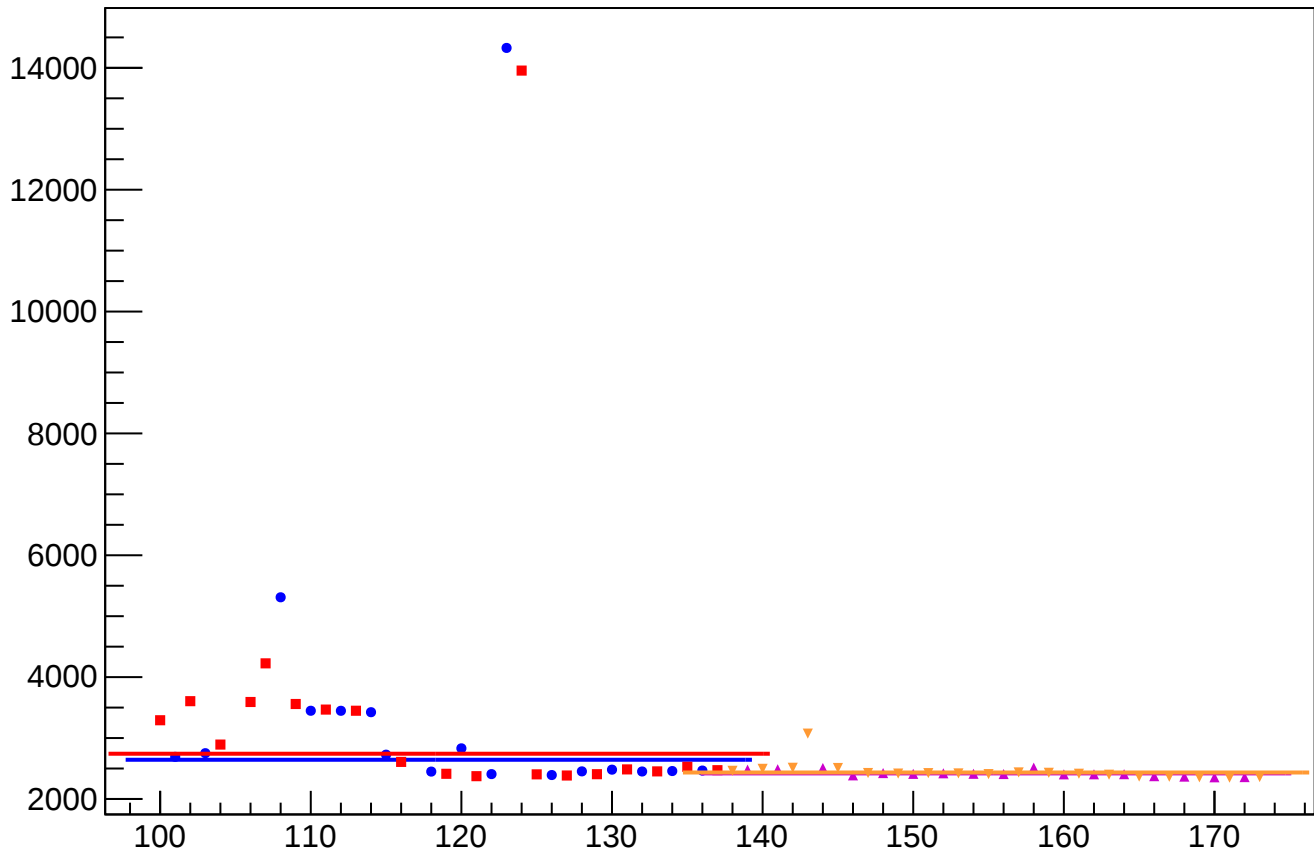
Right: 1441.149+/-738.017 χ^2/NDF : 36.2/35

In: 1785.365+/-558.611 χ^2/NDF :34.0/33

Out: 1321.741+/-550.955 χ^2/NDF :39.2/37

All: 1550.354+/-392.263 χ^2/NDF : 73.6/71

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2643.525+/-0.732 χ^2/NDF : 392705.3/16

Left Out: 2434.524+/-0.457 χ^2/NDF : 67917.1/18

Right Out: 2742.543+/-0.744 χ^2/NDF : 628009.1/18

Left In: 2419.425+/-0.469 χ^2/NDF : 10579.2/16

Left: 2427.166+/-0.327 χ^2/NDF : 79027.5/35

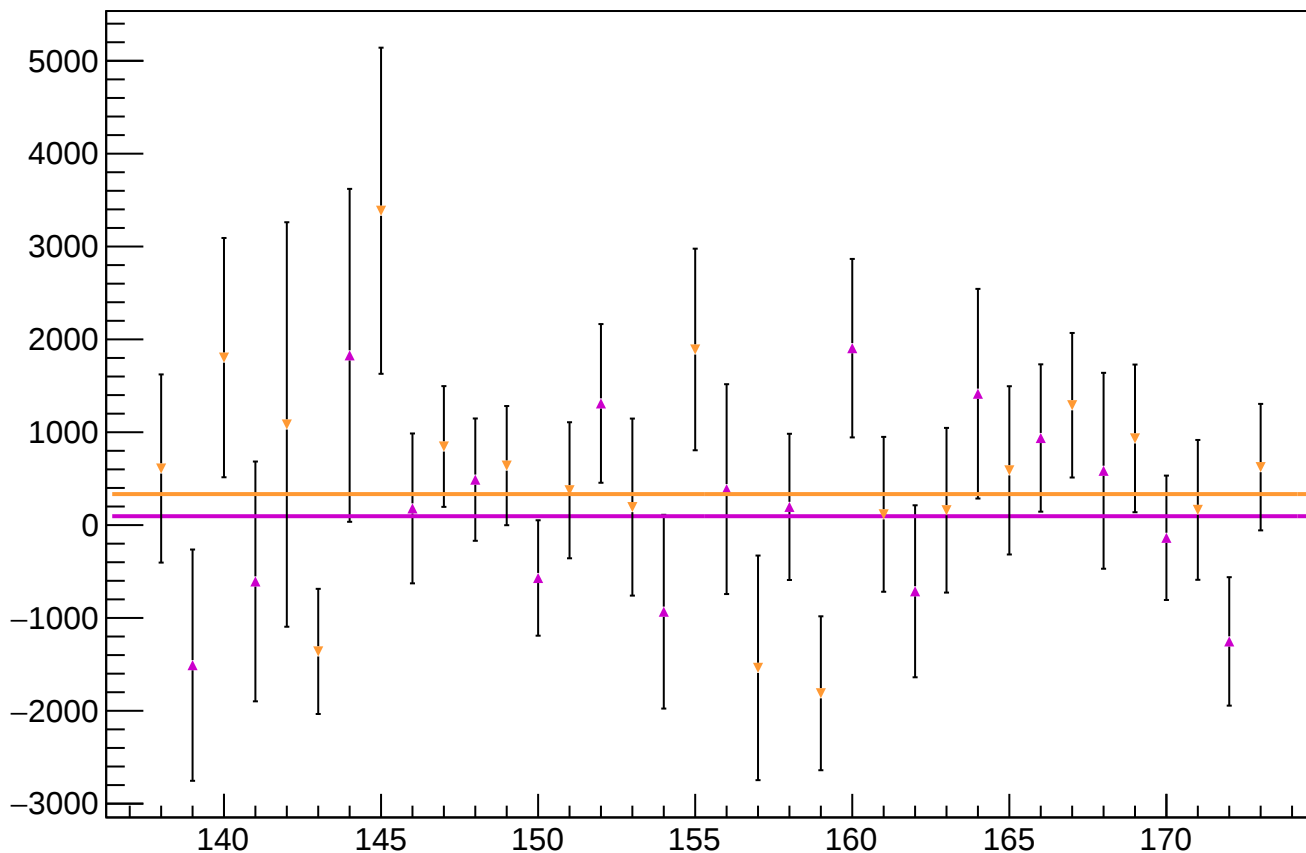
Right: 2692.259+/-0.522 χ^2/NDF : 1029712.7/35

In: 2484.625+/-0.395 χ^2/NDF : 469686.7/33

Out: 2519.012+/-0.390 χ^2/NDF : 820357.6/37

All: 2502.056+/-0.277 χ^2/NDF : 1293886.2/71

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 333.883+/-195.600 χ^2/NDF :25.4/18

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

Left In: 95.689+/-210.776 χ^2/NDF :18.4/16

Left: 223.668+/-143.375 χ^2/NDF : 44.5/35

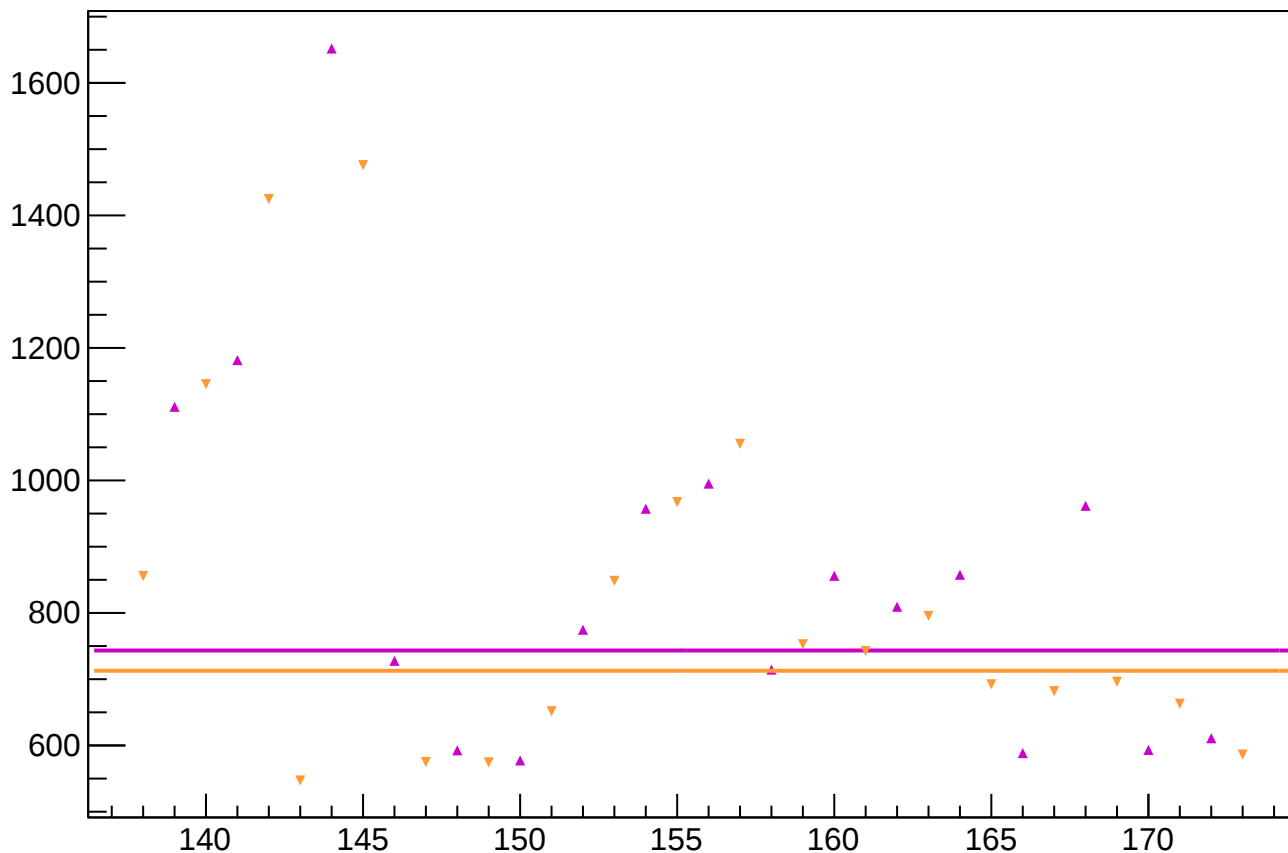
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 95.689+/-210.776 χ^2/NDF :18.4/16

Out: 333.883+/-195.600 χ^2/NDF :25.4/18

All: 223.668+/-143.375 χ^2/NDF : 44.5/35

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 712.771+/-0.138 χ^2/NDF :1592107.9/18

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

Left In: 743.338+/-0.149 χ^2/NDF :1749155.7/16

Left: 726.914+/-0.101 χ^2/NDF : 3363863.0/35

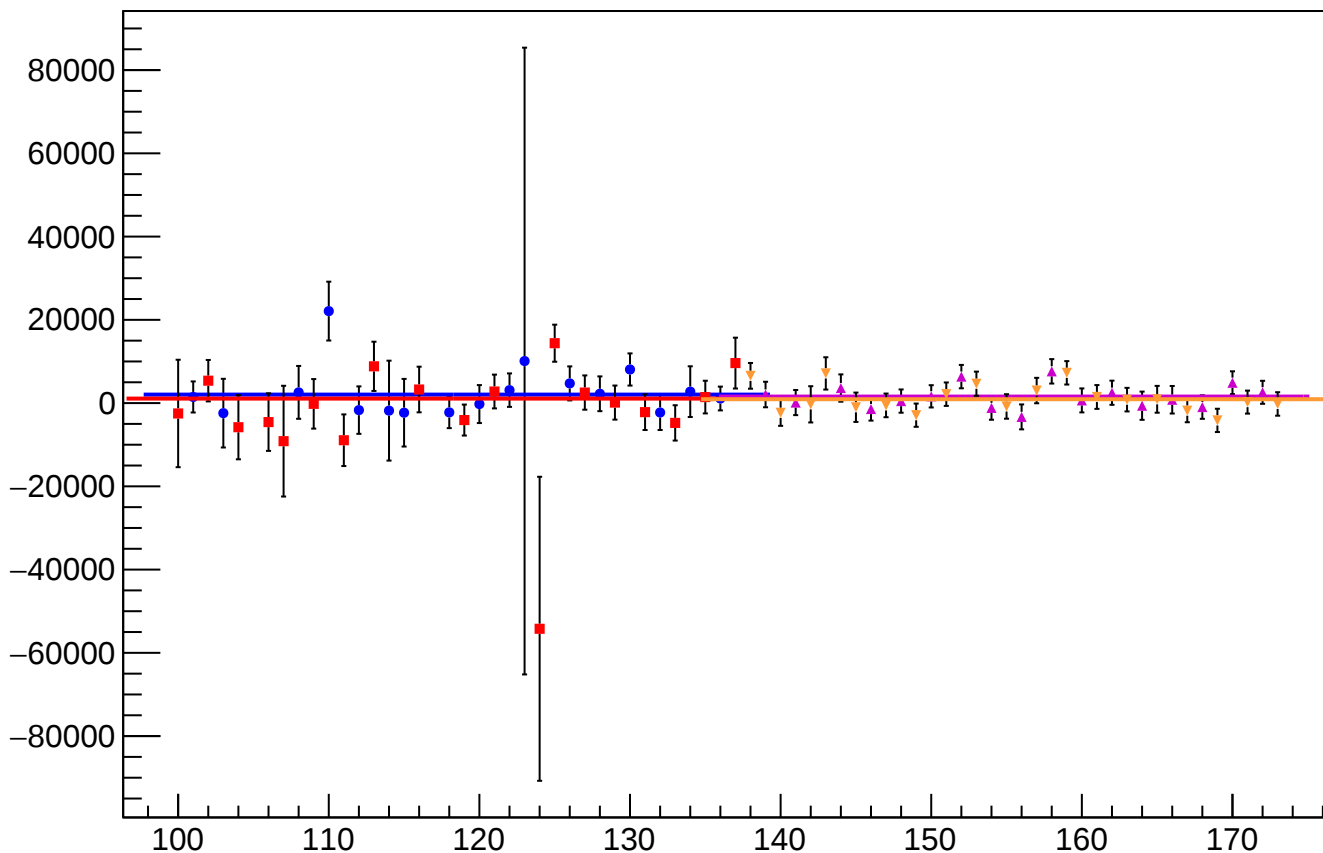
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 743.338+/-0.149 χ^2/NDF :1749155.7/16

Out: 712.771+/-0.138 χ^2/NDF :1592107.9/18

All: 726.914+/-0.101 χ^2/NDF : 3363863.0/35

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2037.803+/-1151.419 χ^2/NDF : 14.8/16

Left Out: 930.512+/-688.664 χ^2/NDF : 21.7/18

Right Out: 1080.125+/-1186.666 χ^2/NDF : 25.3/18

Left In: 1564.840+/-708.770 χ^2/NDF : 15.8/16

Left: 1238.551+/-493.914 χ^2/NDF : 37.9/35

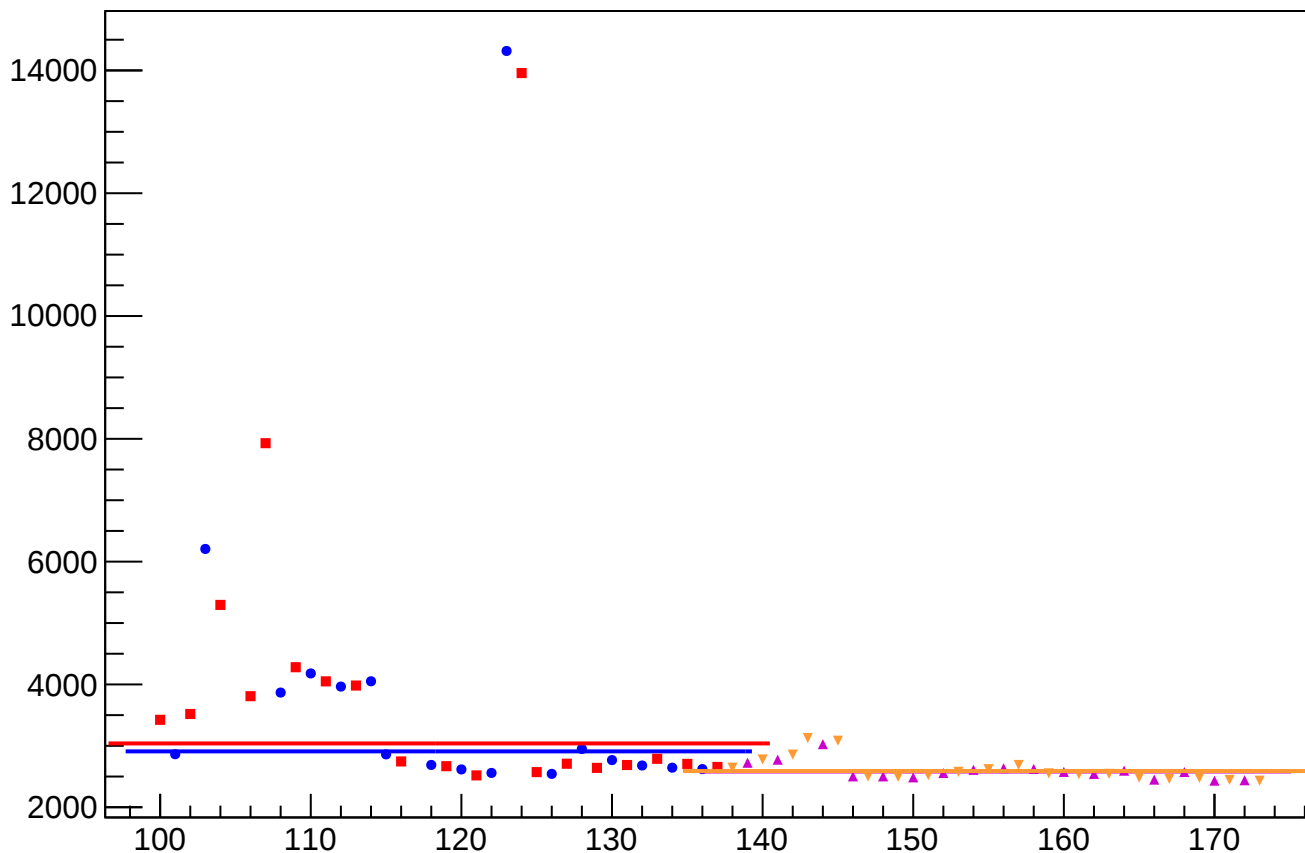
Right: 1573.398+/-826.356 χ^2/NDF : 40.5/35

In: 1694.807+/-603.582 χ^2/NDF : 30.7/33

Out: 968.205+/-595.629 χ^2/NDF : 47.1/37

All: 1326.688+/-423.957 χ^2/NDF : 78.5/71

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2909.732 $\pm$ 0.814 χ^2 /NDF: 641894.7/16

Left Out: 2589.387 $\pm$ 0.487 χ^2 /NDF: 123415.8/18

Right Out: 3039.118 $\pm$ 0.839 χ^2 /NDF: 1011306.5/18

Left In: 2581.752 $\pm$ 0.501 χ^2 /NDF: 71344.5/16

Left: 2585.679 $\pm$ 0.349 χ^2 /NDF: 194879.6/35

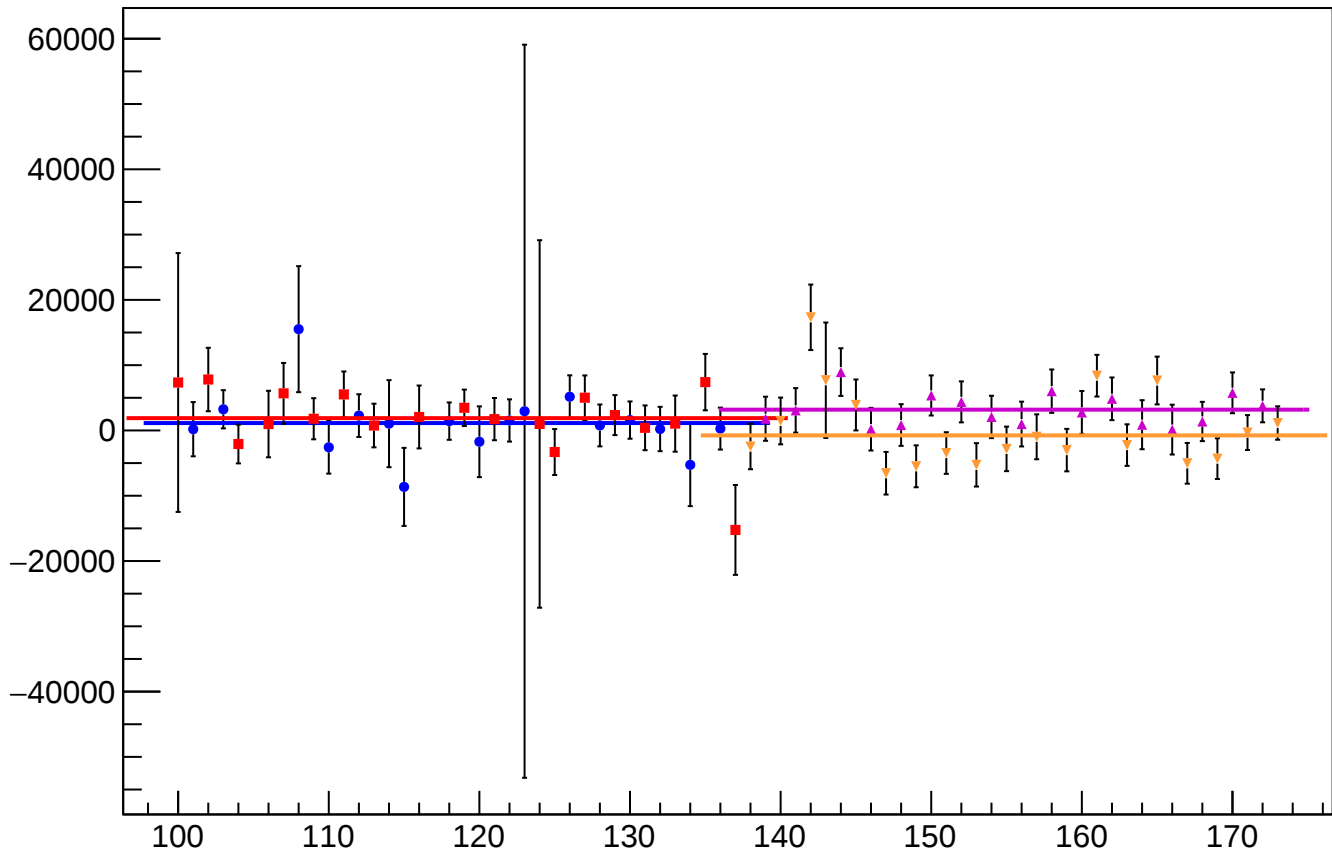
Right: 2972.475 $\pm$ 0.584 χ^2 /NDF: 1665447.8/35

In: 2671.879 $\pm$ 0.427 χ^2 /NDF: 830924.3/33

Out: 2702.692 $\pm$ 0.421 χ^2 /NDF: 1349611.6/37

All: 2687.490 $\pm$ 0.300 χ^2 /NDF: 2183176.6/71

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1131.802 $\pm$ 926.744 χ^2 /NDF: 9.5/16

Left Out: -758.433 $\pm$ 768.568 χ^2 /NDF: 42.1/18

Right Out: 1884.987 $\pm$ 887.115 χ^2 /NDF: 16.6/18

Left In: 3185.992 $\pm$ 786.849 χ^2 /NDF: 8.3/16

Left: 1167.428 $\pm$ 549.809 χ^2 /NDF: 63.3/35

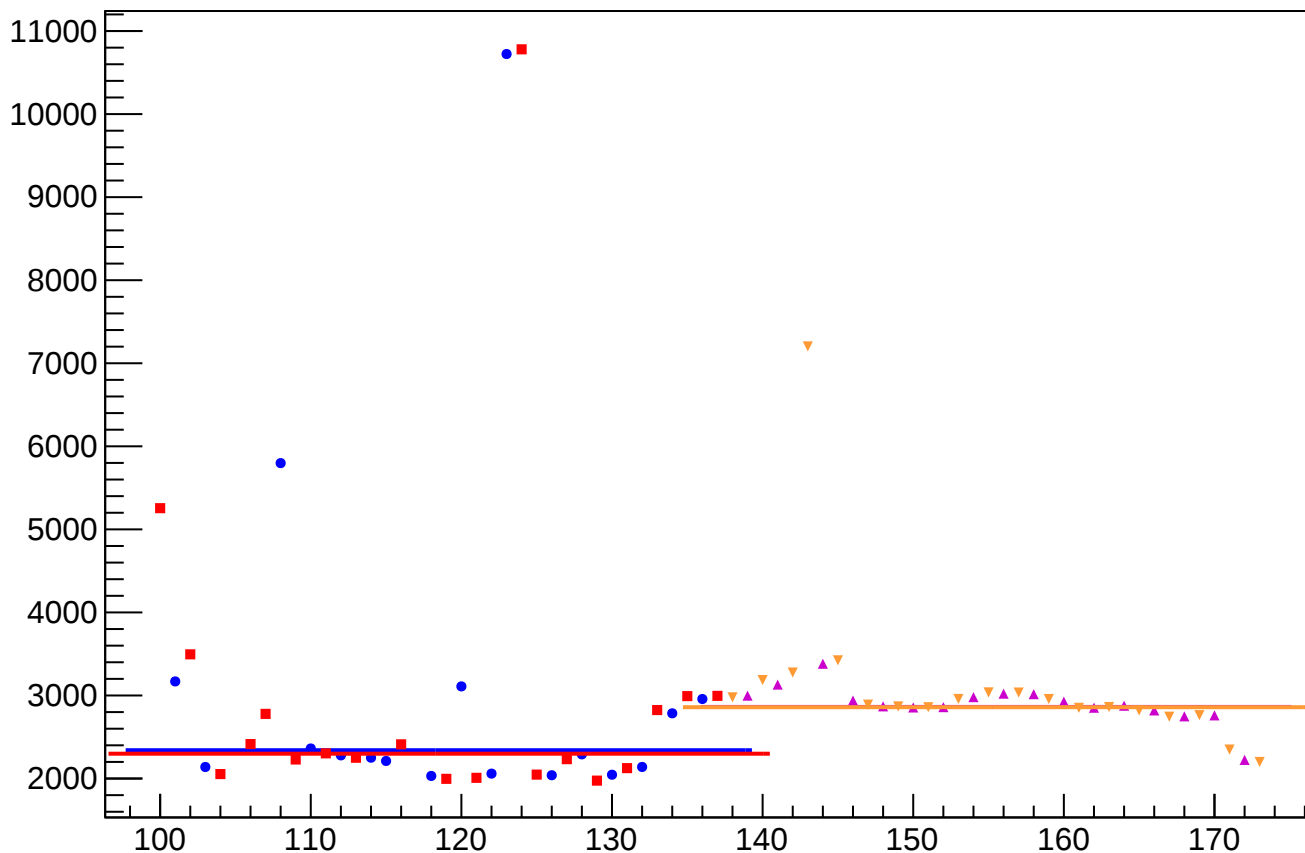
Right: 1524.842 $\pm$ 640.837 χ^2 /NDF: 26.4/35

In: 2325.488 $\pm$ 599.813 χ^2 /NDF: 20.7/33

Out: 374.974 $\pm$ 580.885 χ^2 /NDF: 63.8/37

All: 1318.968 $\pm$ 417.279 χ^2 /NDF: 90.0/71

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2340.877 ± 0.655 $\chi^2/\text{NDF}: 600471.2/16$

Left Out: 2858.939 ± 0.543 $\chi^2/\text{NDF}: 782070.0/18$

Right Out: 2298.949 ± 0.627 $\chi^2/\text{NDF}: 566102.7/18$

Left In: 2862.110 ± 0.556 $\chi^2/\text{NDF}: 202544.2/16$

Left: 2860.487 ± 0.389 $\chi^2/\text{NDF}: 984630.8/35$

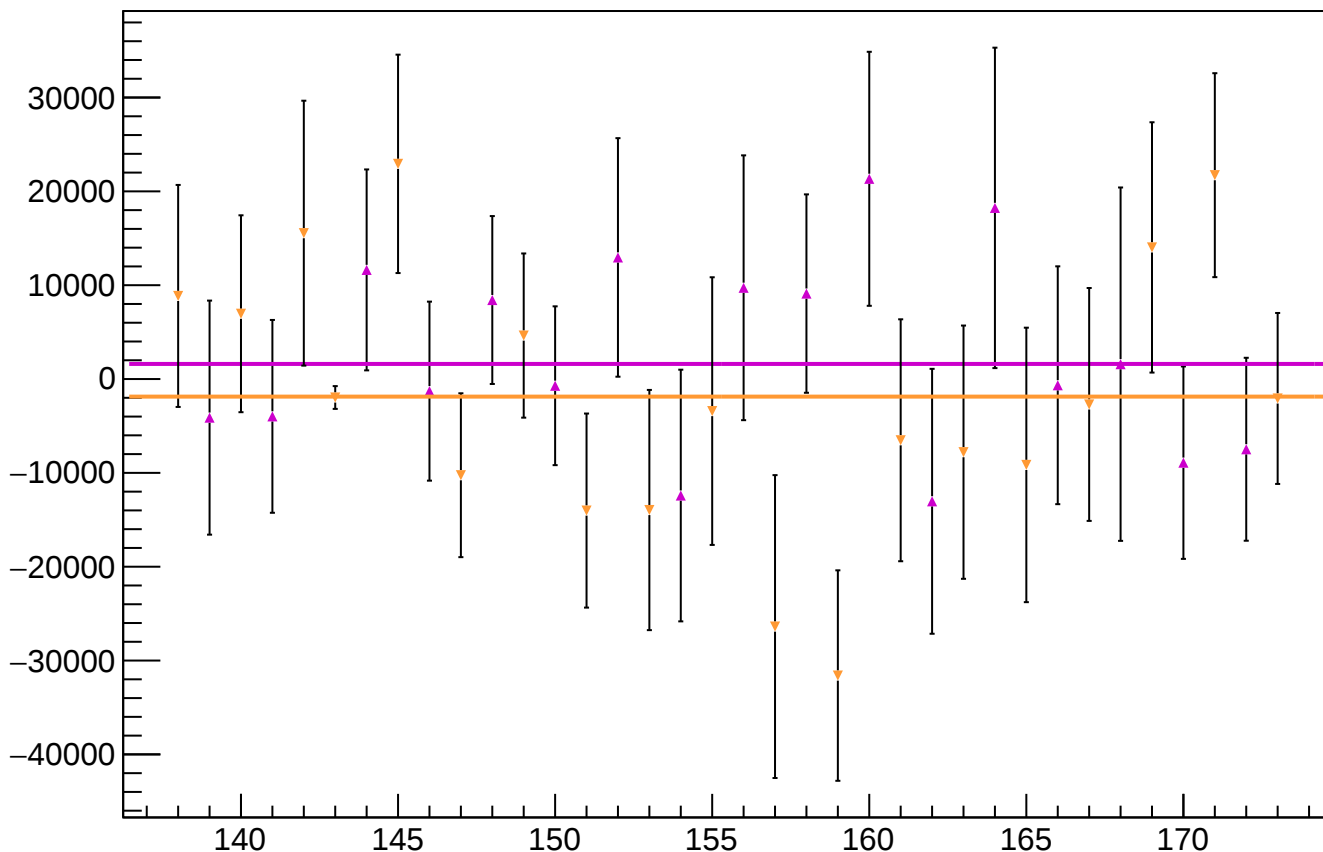
Right: 2318.982 ± 0.453 $\chi^2/\text{NDF}: 1168711.7/35$

In: 2643.764 ± 0.424 $\chi^2/\text{NDF}: 1170656.4/33$

Out: 2618.630 ± 0.411 $\chi^2/\text{NDF}: 1803806.0/37$

All: 2630.790 ± 0.295 $\chi^2/\text{NDF}: 2976275.1/71$

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1872.923+/-1108.140 χ^2/NDF :27.4/18

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

Left In: 1608.912+/-2765.113 χ^2/NDF :11.0/16

Left: -1391.100+/-1028.614 χ^2/NDF : 39.7/35

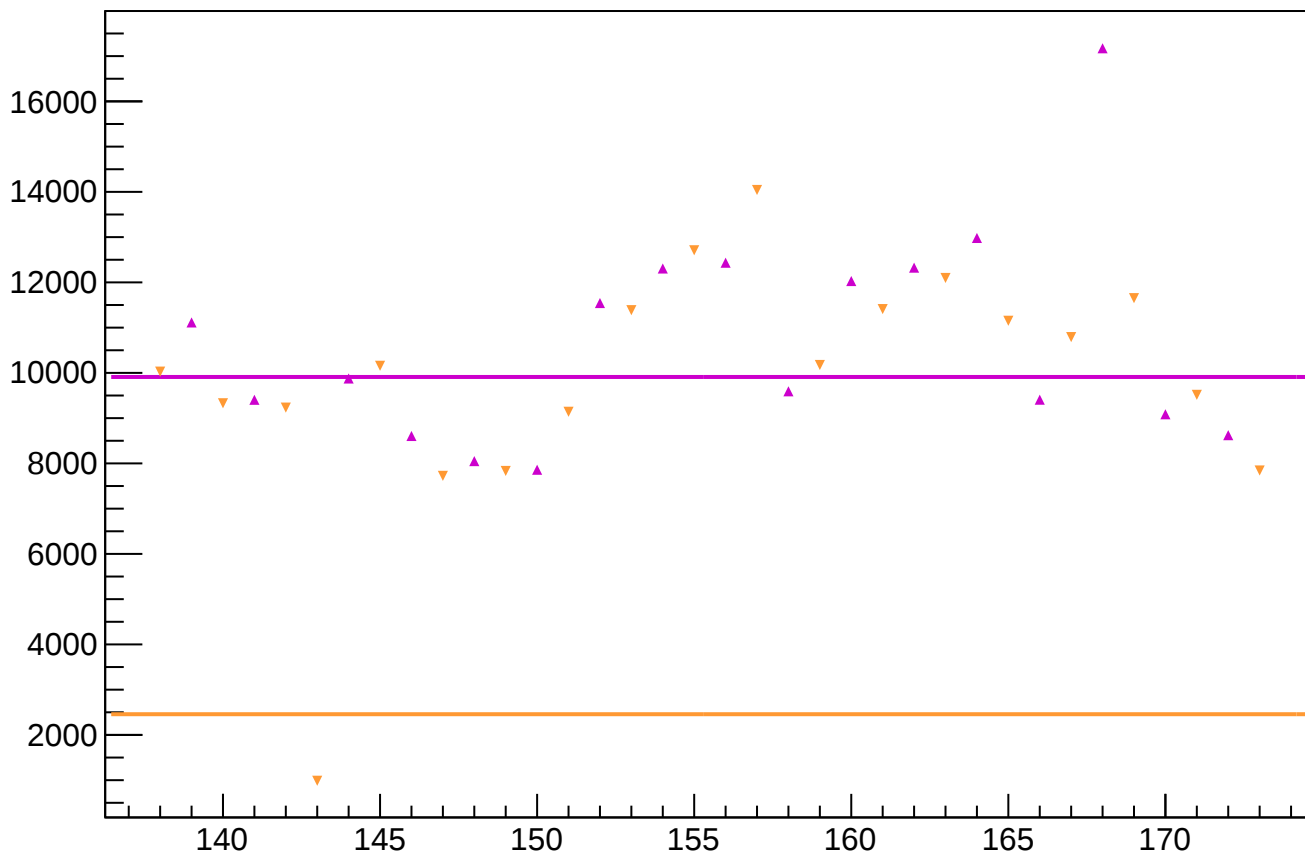
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1608.912+/-2765.113 χ^2/NDF :11.0/16

Out: -1872.923+/-1108.140 χ^2/NDF :27.4/18

All: -1391.100+/-1028.614 χ^2/NDF : 39.7/35

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2457.715+/-0.784 χ^2 /NDF:18336543.1/18

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

Left In: 9909.874+/-1.955 χ^2 /NDF:948261.4/16

Left: 3488.957+/-0.727 χ^2 /NDF: 31801315.4/35

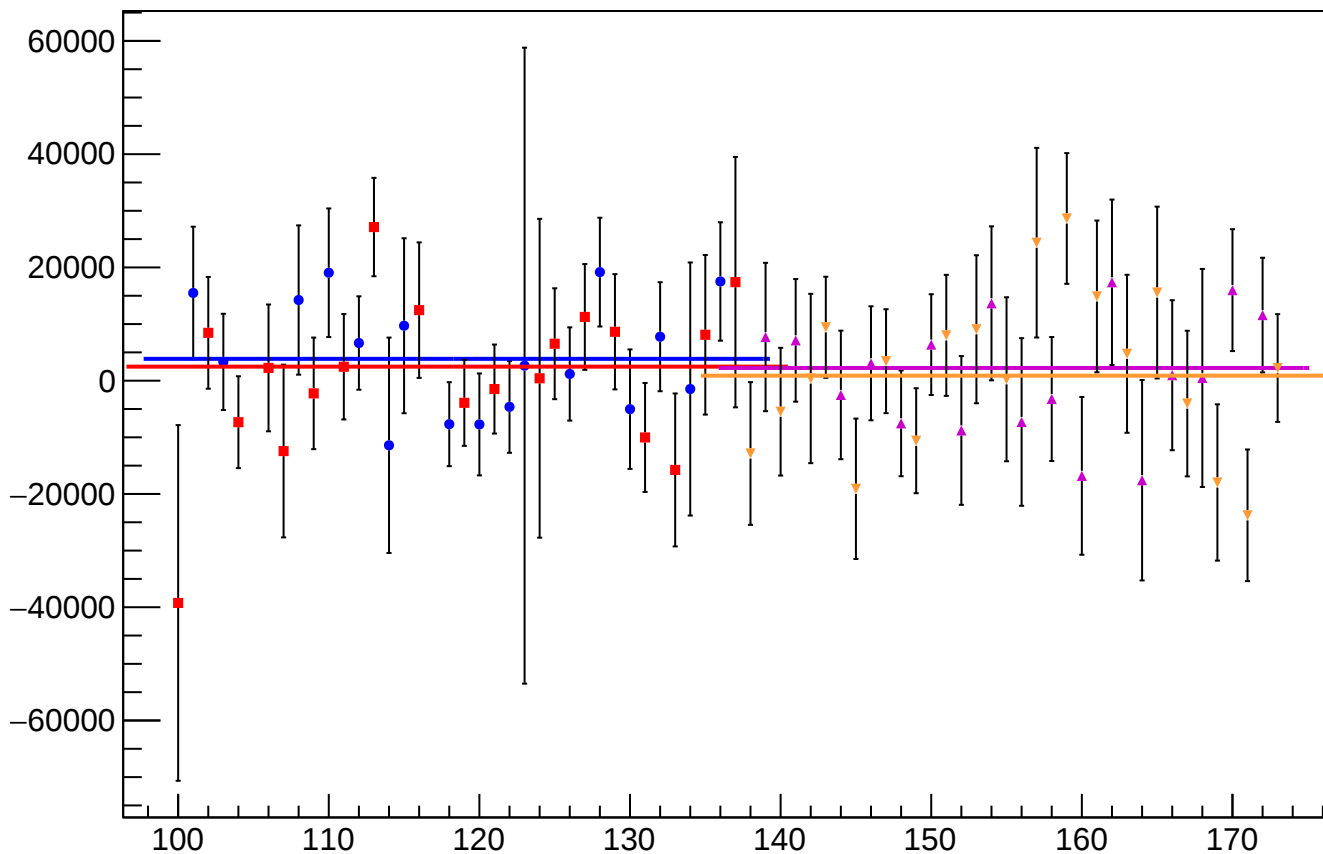
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 9909.874+/-1.955 χ^2 /NDF:948261.4/16

Out: 2457.715+/-0.784 χ^2 /NDF:18336543.1/18

All: 3488.957+/-0.727 χ^2 /NDF: 31801315.4/35

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3859.866 $\pm$ 2508.782 χ^2 /NDF: 14.8/16

Left Out: 887.011 $\pm$ 2706.633 χ^2 /NDF:23.9/18

Right Out: 2482.925 $\pm$ 2421.310 χ^2 /NDF: 20.0/18

Left In: 2249.525 $\pm$ 2886.405 χ^2 /NDF:10.6/16

Left: 1524.519 $\pm$ 1974.375 χ^2 /NDF: 34.6/35

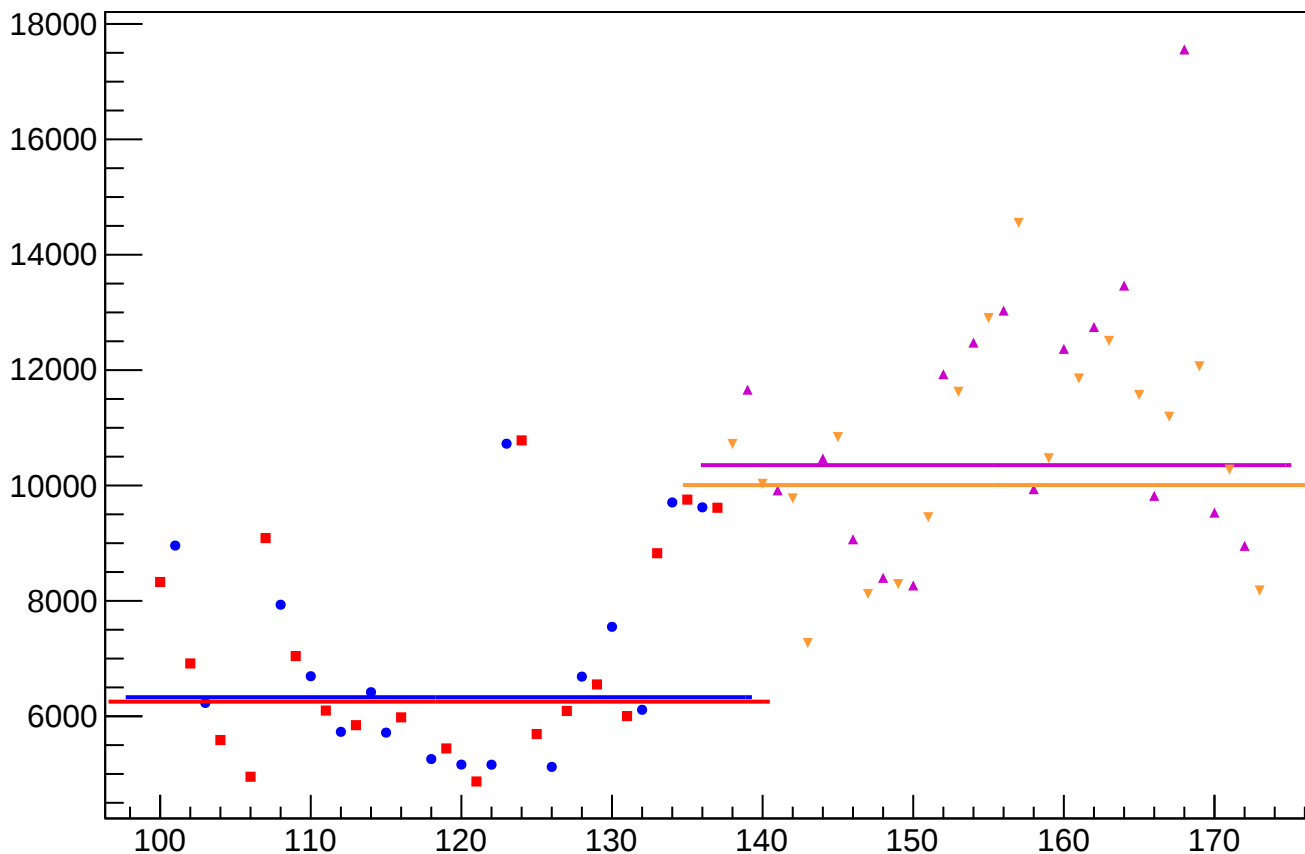
Right: 3146.972 $\pm$ 1742.228 χ^2 /NDF: 35.0/35

In: 3166.858 $\pm$ 1893.510 χ^2 /NDF:25.6/33

Out: 1773.492 $\pm$ 1804.597 χ^2 /NDF:44.1/37

All: 2436.694 $\pm$ 1306.345 χ^2 /NDF: 70.0/71

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6330.291+/-1.774 χ^2/NDF : 593395.6/16

Left Out: 10007.464+/-1.914 χ^2/NDF : 883896.0/18

Right Out: 6253.330+/-1.712 χ^2/NDF : 535355.5/18

Left In: 10352.937+/-2.041 χ^2/NDF : 890230.3/16

Left: 10169.108+/-1.396 χ^2/NDF : 1789371.8/35

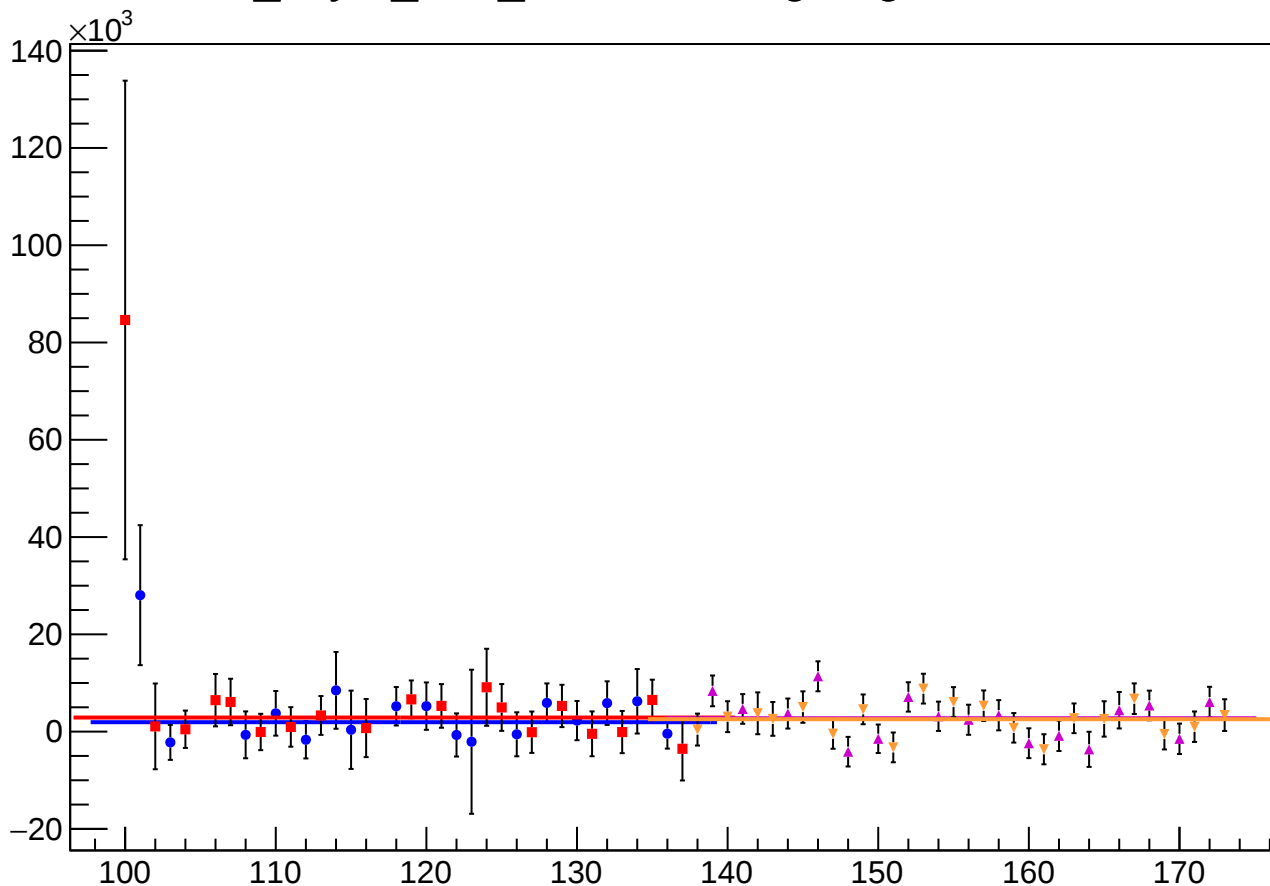
Right: 6290.444+/-1.232 χ^2/NDF : 1129725.5/35

In: 8061.422+/-1.339 χ^2/NDF : 3696464.8/33

Out: 7922.073+/-1.276 χ^2/NDF : 3556566.3/37

All: 7988.398+/-0.924 χ^2/NDF : 7258707.4/71

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1936.744+/-1128.266 χ^2/NDF : 11.3/16

Left Out: 2555.047+/-735.286 χ^2/NDF : 19.8/18

Right Out: 2896.594+/-1086.848 χ^2/NDF : 10.6/18

Left In: 2753.928+/-758.467 χ^2/NDF : 32.0/16

Left: 2651.402+/-527.931 χ^2/NDF : 51.8/35

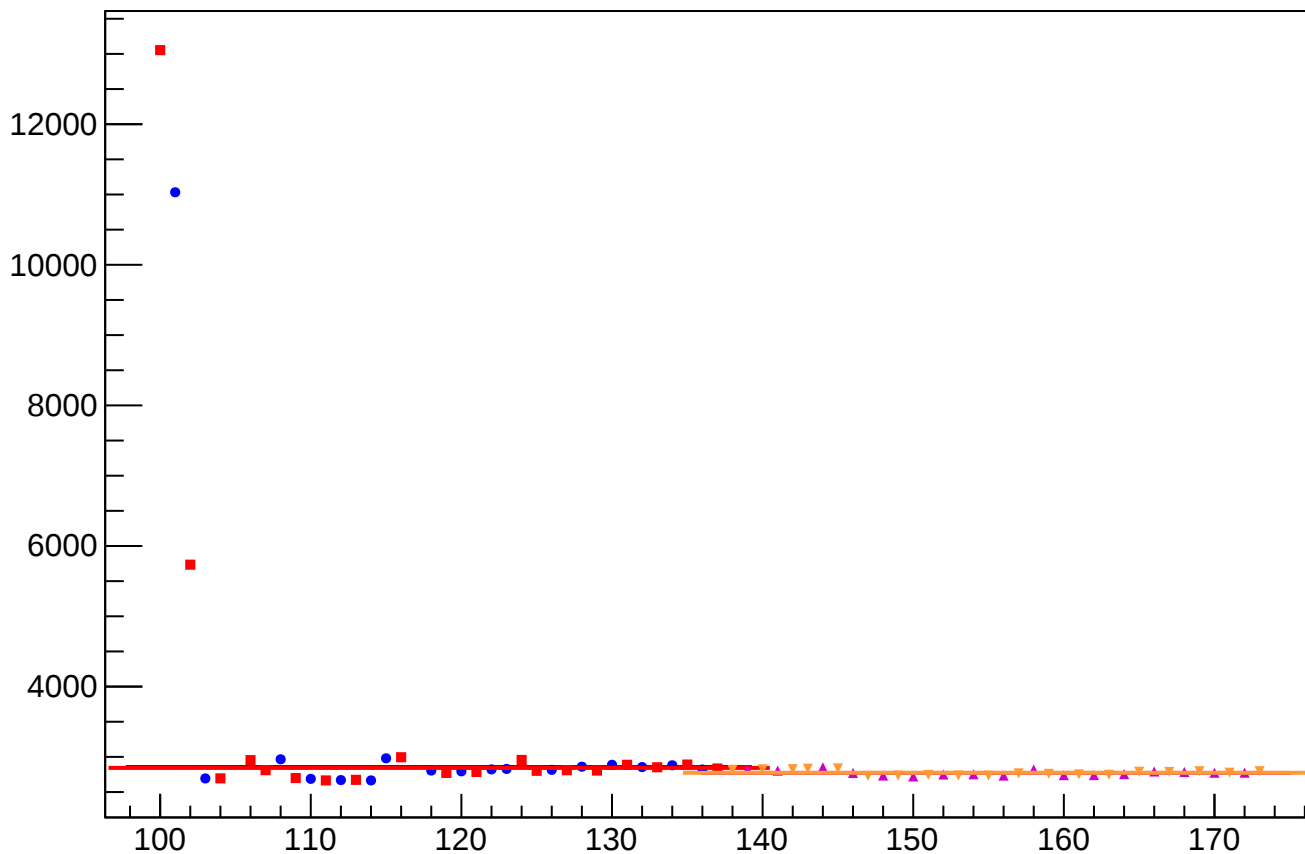
Right: 2434.610+/-782.750 χ^2/NDF : 22.3/35

In: 2499.578+/-629.458 χ^2/NDF : 43.7/33

Out: 2662.288+/-609.008 χ^2/NDF : 30.5/37

All: 2583.619+/-437.685 χ^2/NDF : 74.2/71

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2855.108 $\pm$ 0.798 χ^2 /NDF: 660906.0/16

Left Out: 2774.131 $\pm$ 0.520 χ^2 /NDF: 4590.3/18

Right Out: 2843.350 $\pm$ 0.769 χ^2 /NDF: 319301.9/18

Left In: 2771.593 $\pm$ 0.536 χ^2 /NDF: 4519.9/16

Left: 2772.901 $\pm$ 0.373 χ^2 /NDF: 9121.7/35

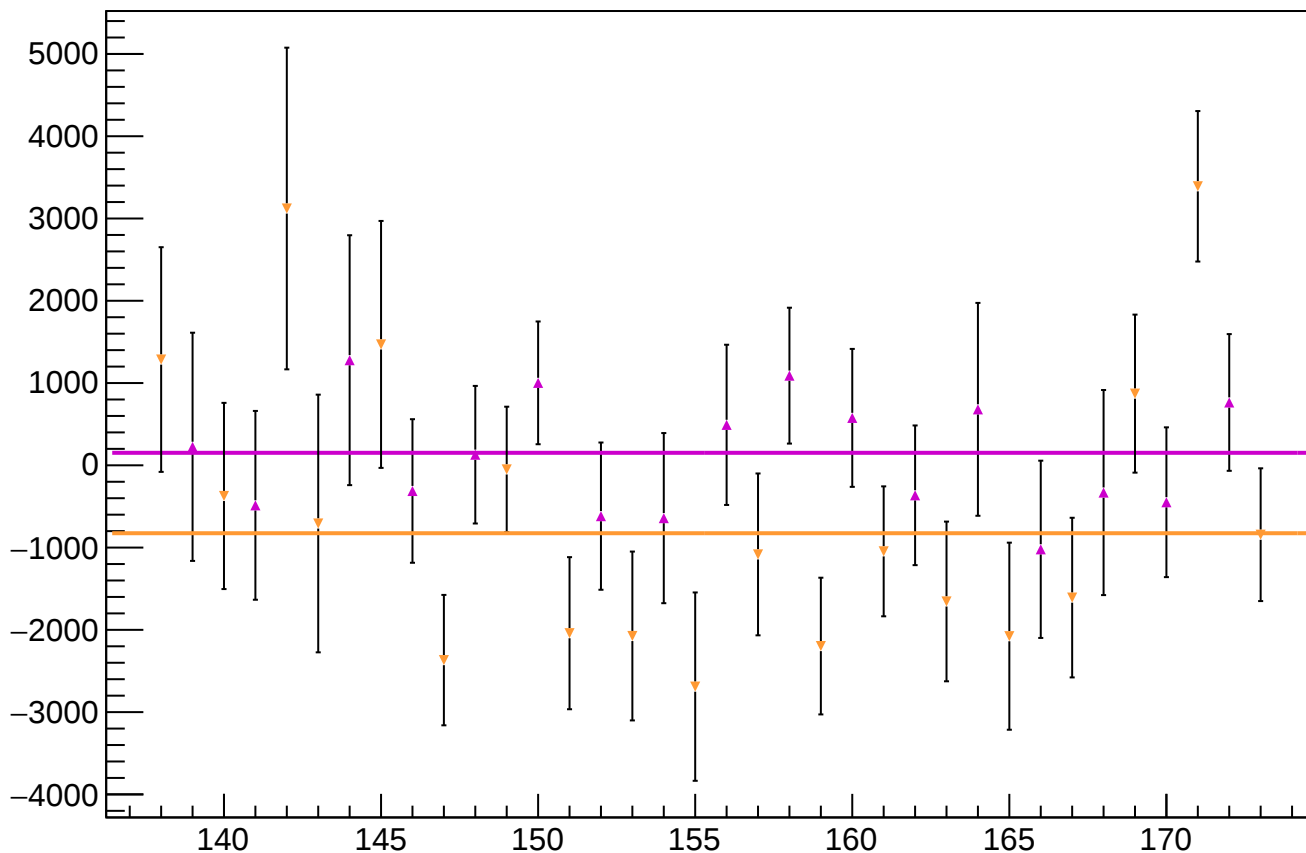
Right: 2849.009 $\pm$ 0.553 χ^2 /NDF: 980320.6/35

In: 2797.587 $\pm$ 0.445 χ^2 /NDF: 672973.3/33

Out: 2795.865 $\pm$ 0.431 χ^2 /NDF: 329457.4/37

All: 2796.697 $\pm$ 0.309 χ^2 /NDF: 1002438.4/71

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -825.433+/-226.896 χ^2/NDF :49.5/18

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

Left In: 151.925+/-232.332 χ^2/NDF :8.3/16

Left: -348.321+/-162.328 χ^2/NDF : 66.8/35

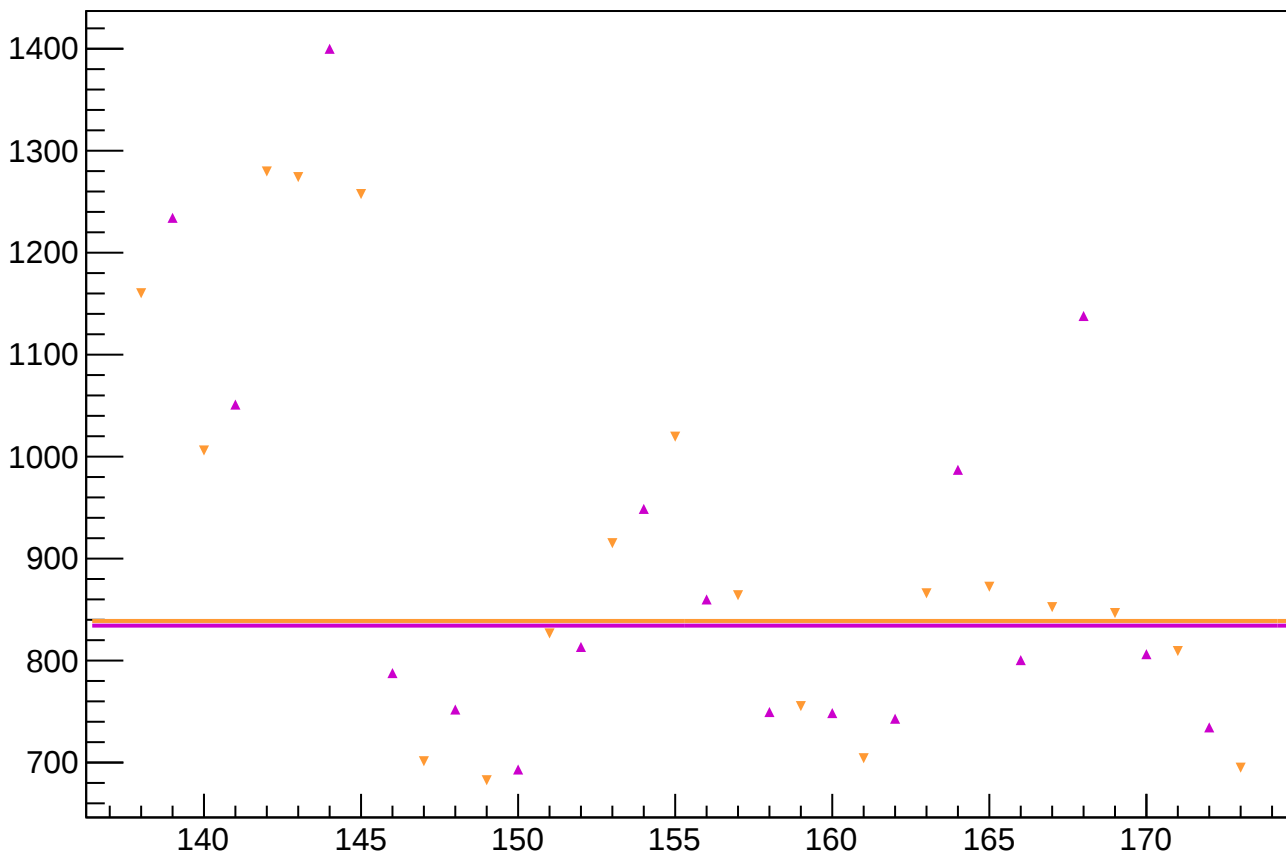
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 151.925+/-232.332 χ^2/NDF :8.3/16

Out: -825.433+/-226.896 χ^2/NDF :49.5/18

All: -348.321+/-162.328 χ^2/NDF : 66.8/35

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 838.858+/-0.160 χ^2/NDF :920863.6/18

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

Left In: 834.275+/-0.164 χ^2/NDF :883173.0/16

Left: 836.621+/-0.115 χ^2/NDF : 1804434.9/35

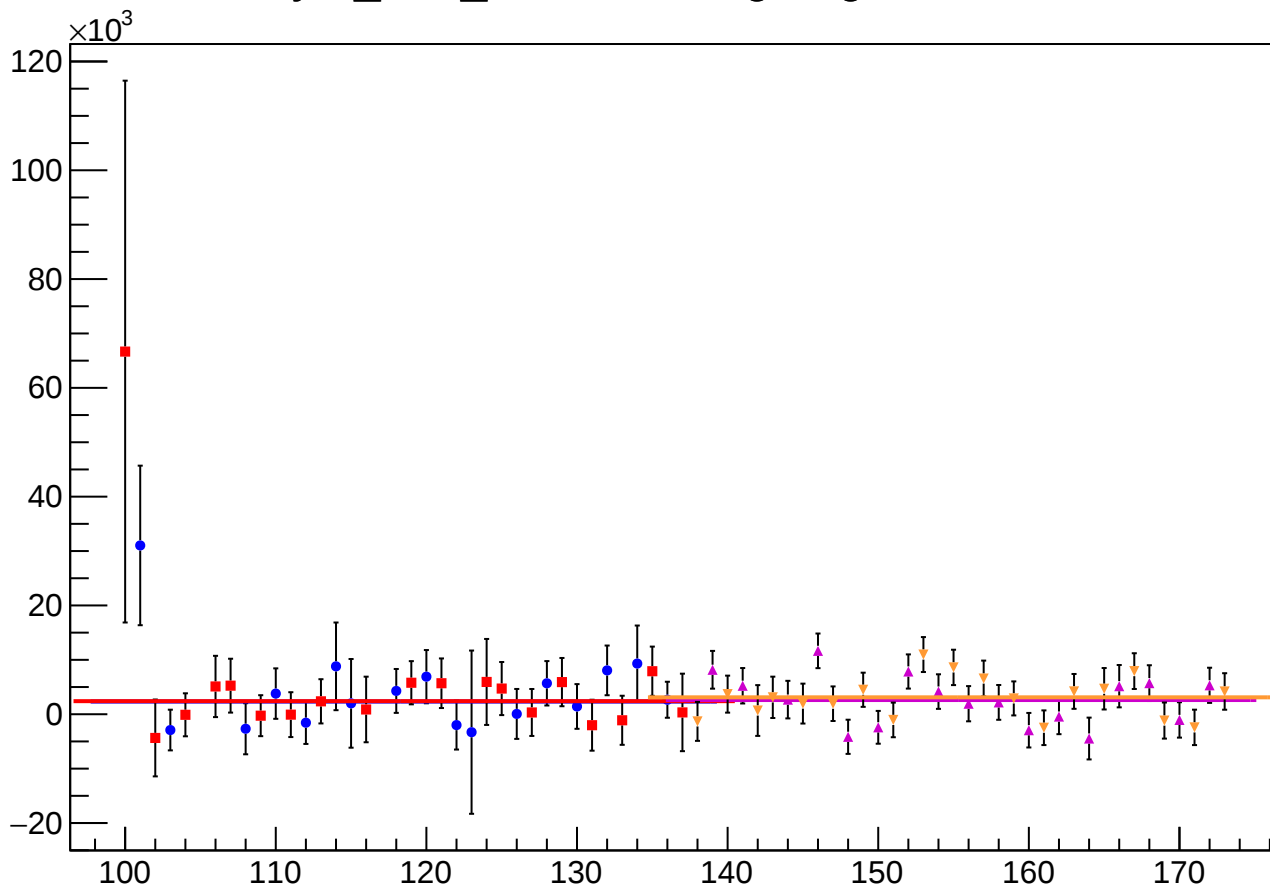
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 834.275+/-0.164 χ^2/NDF :883173.0/16

Out: 838.858+/-0.160 χ^2/NDF :920863.6/18

All: 836.621+/-0.115 χ^2/NDF : 1804434.9/35

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2330.134+/-1156.555 χ^2/NDF : 14.4/16

Left Out: 3107.304+/-773.749 χ^2/NDF : 24.1/18

Right Out: 2403.750+/-1110.093 χ^2/NDF : 10.1/18

Left In: 2610.643+/-796.674 χ^2/NDF : 32.4/16

Left: 2866.222+/-555.051 χ^2/NDF : 56.7/35

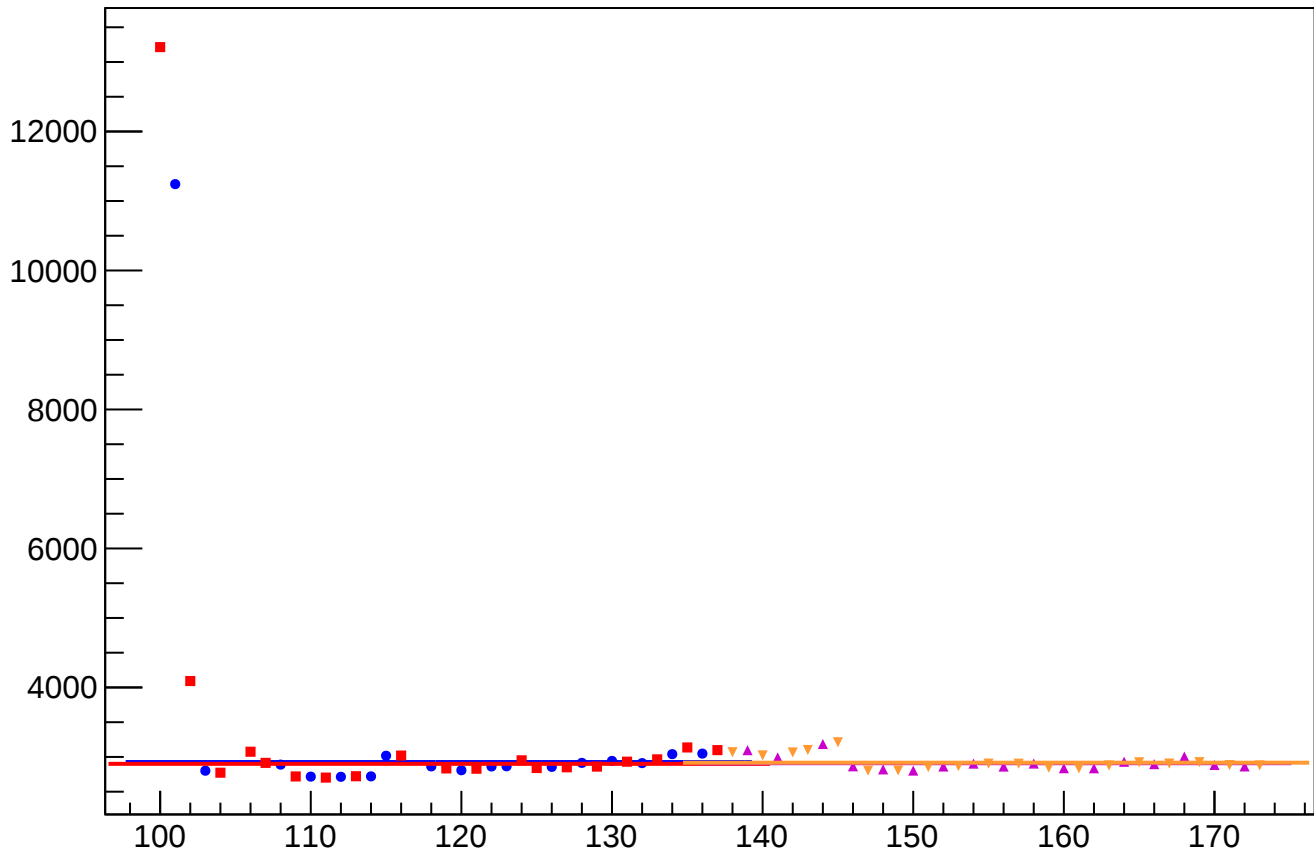
Right: 2368.450+/-800.876 χ^2/NDF : 24.5/35

In: 2520.375+/-656.084 χ^2/NDF : 46.8/33

Out: 2877.260+/-634.769 χ^2/NDF : 34.4/37

All: 2704.709+/-456.199 χ^2/NDF : 81.4/71

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2926.610+/-0.818 χ^2/NDF : 662794.4/16

Left Out: 2917.374+/-0.547 χ^2/NDF : 34509.6/18

Right Out: 2900.827+/-0.785 χ^2/NDF : 169866.6/18

Left In: 2909.762+/-0.563 χ^2/NDF : 29654.1/16

Left: 2913.679+/-0.392 χ^2/NDF : 64257.7/35

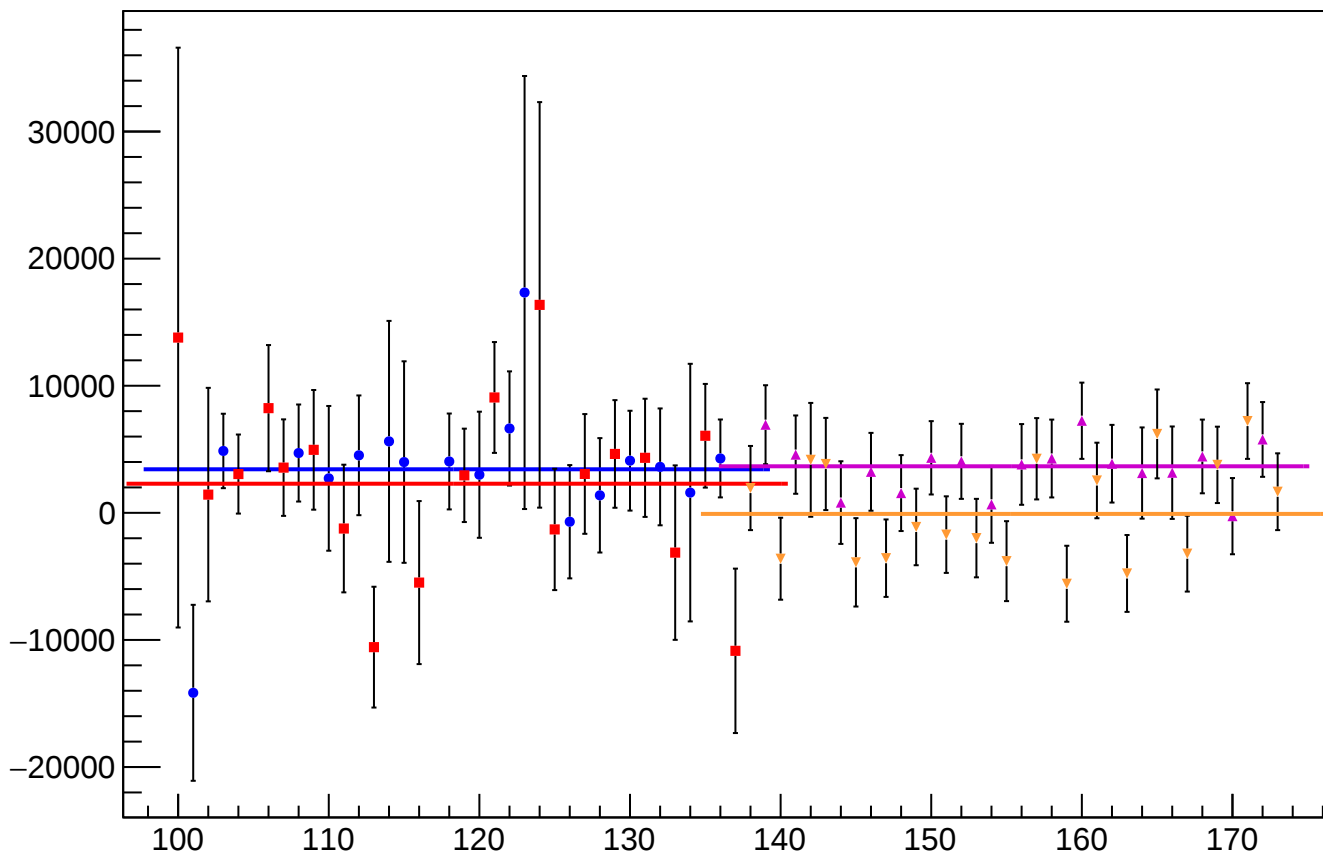
Right: 2913.190+/-0.566 χ^2/NDF : 833178.3/35

In: 2915.184+/-0.464 χ^2/NDF : 692736.3/33

Out: 2911.964+/-0.449 χ^2/NDF : 204675.3/37

All: 2913.521+/-0.323 χ^2/NDF : 897436.5/71

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3426.396 $\pm$ 1117.275 χ^2 /NDF: 9.4/16

Left Out: -84.460 $\pm$ 727.501 χ^2 /NDF:29.1/18

Right Out: 2290.985 $\pm$ 1111.370 χ^2 /NDF: 21.4/18

Left In: 3662.250 $\pm$ 747.561 χ^2 /NDF:7.4/16

Left: 1737.952 $\pm$ 521.368 χ^2 /NDF: 49.3/35

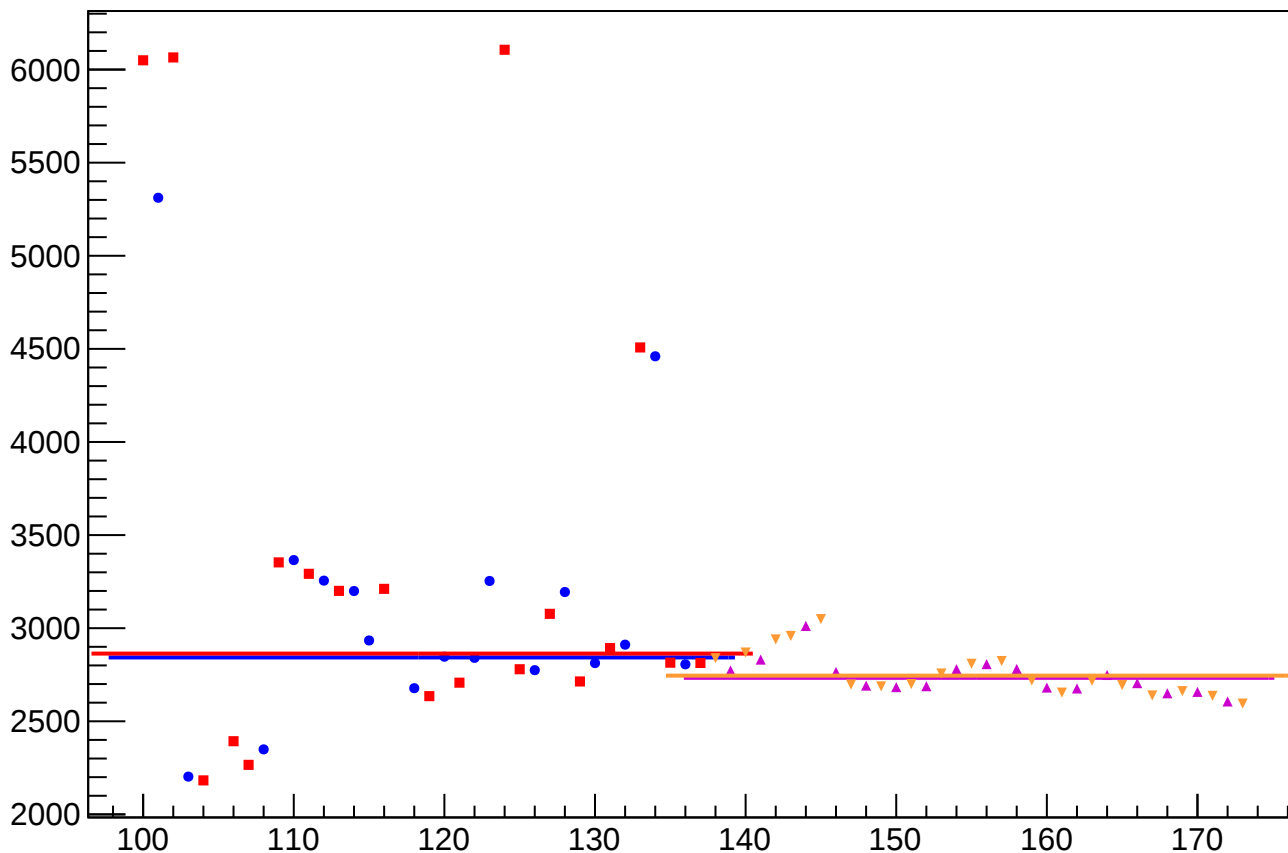
Right: 2855.682 $\pm$ 787.937 χ^2 /NDF: 31.3/35

In: 3589.314 $\pm$ 621.312 χ^2 /NDF:16.7/33

Out: 628.089 $\pm$ 608.686 χ^2 /NDF:53.7/37

All: 2078.310 $\pm$ 434.801 χ^2 /NDF: 82.0/71

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2842.874 ± 0.790 χ^2/NDF : 488114.5/16

Left Out: 2745.199 ± 0.514 χ^2/NDF : 48545.6/18

Right Out: 2863.592 ± 0.786 χ^2/NDF : 760763.4/18

Left In: 2733.440 ± 0.529 χ^2/NDF : 28843.2/16

Left: 2739.479 ± 0.369 χ^2/NDF : 77642.9/35

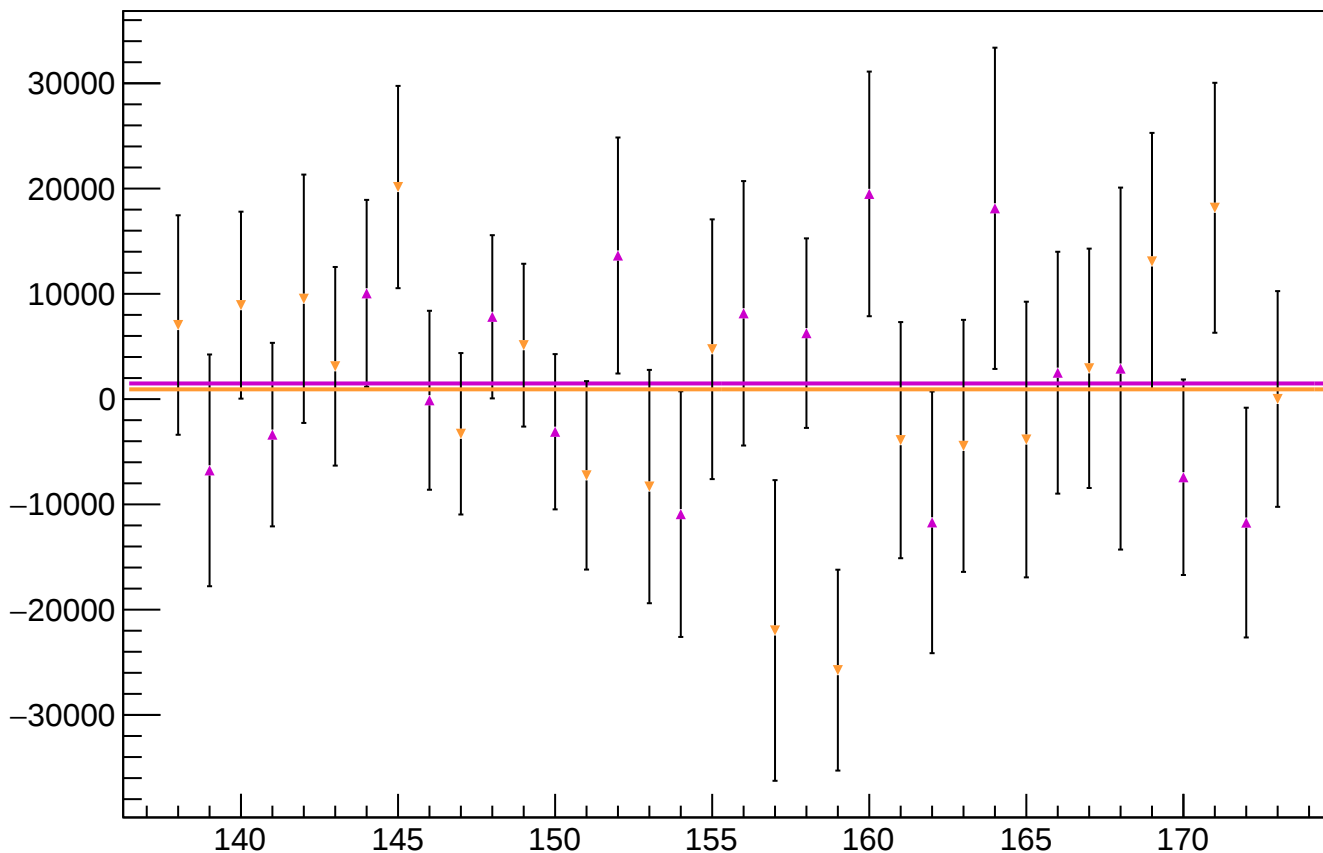
Right: 2853.292 ± 0.557 χ^2/NDF : 1249223.7/35

In: 2767.282 ± 0.439 χ^2/NDF : 530211.4/33

Out: 2780.732 ± 0.430 χ^2/NDF : 825206.5/37

All: 2774.146 ± 0.307 χ^2/NDF : 1355896.3/71

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 928.014+/-2358.427 χ^2/NDF :22.0/18

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

Left In: 1486.766+/-2453.719 χ^2/NDF :12.9/16

Left: 1196.329+/-1700.350 χ^2/NDF : 34.9/35

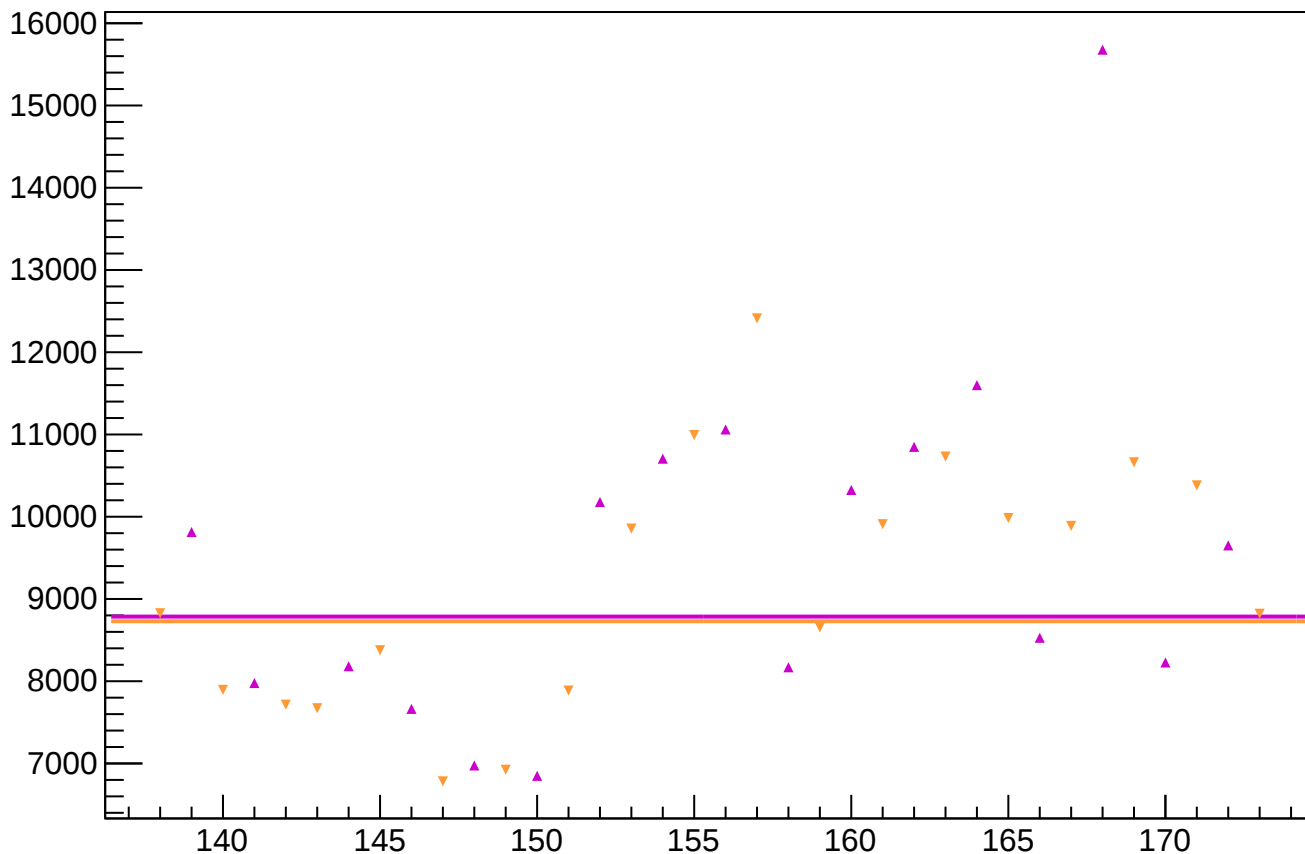
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1486.766+/-2453.719 χ^2/NDF :12.9/16

Out: 928.014+/-2358.427 χ^2/NDF :22.0/18

All: 1196.329+/-1700.350 χ^2/NDF : 34.9/35

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8729.036+/-1.668 χ^2/NDF :743528.2/18

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

Left In: 8785.814+/-1.735 χ^2/NDF :986279.6/16

Left: 8756.301+/-1.202 χ^2/NDF : 1730364.4/35

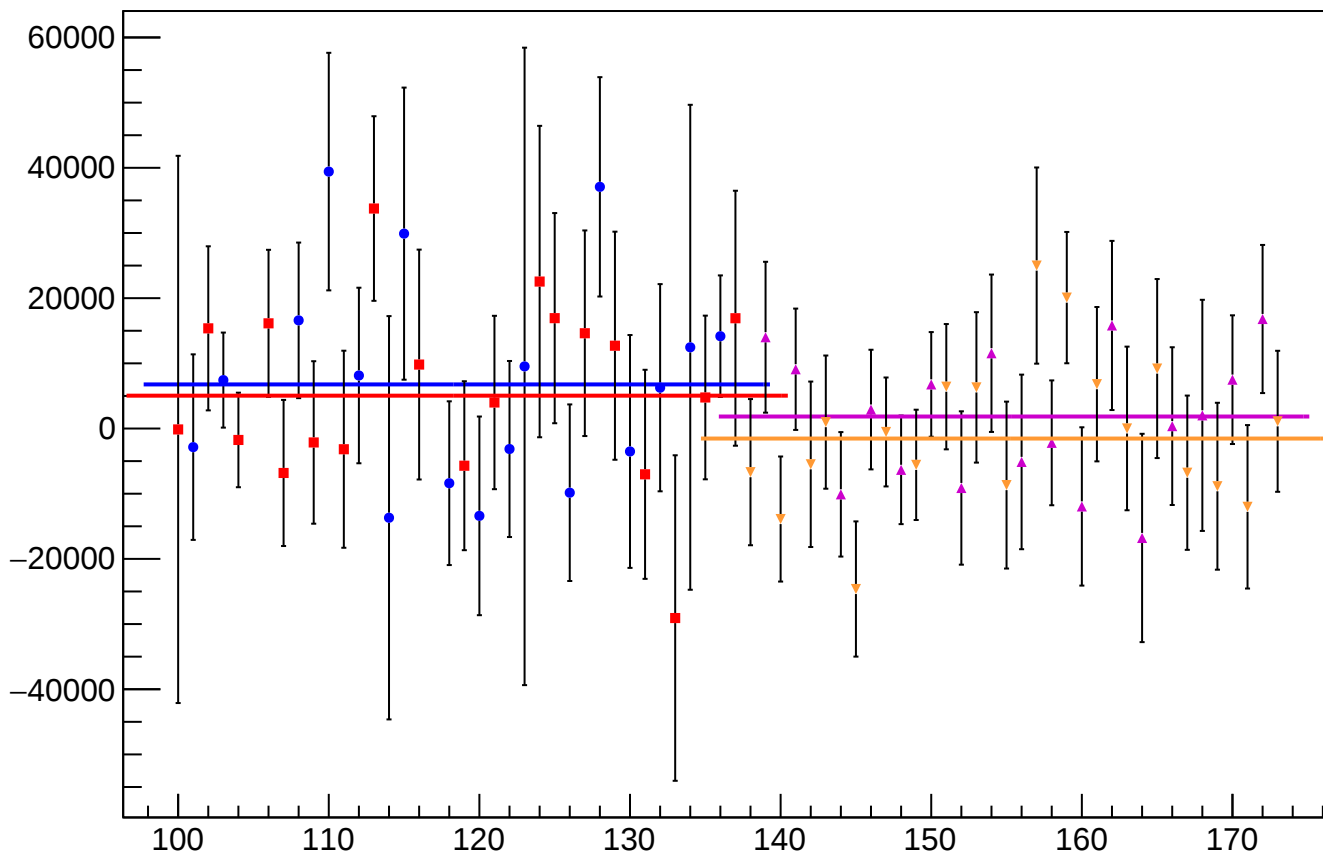
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 8785.814+/-1.735 χ^2/NDF :986279.6/16

Out: 8729.036+/-1.668 χ^2/NDF :743528.2/18

All: 8756.301+/-1.202 χ^2/NDF : 1730364.4/35

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6767.402 $\pm$ 3387.139 χ^2/NDF : 15.3/16

Left Out: -1537.284 $\pm$ 2517.287 χ^2/NDF : 18.8/18

Right Out: 5041.440 $\pm$ 3167.616 χ^2/NDF : 13.6/18

Left In: 1843.008 $\pm$ 2608.347 χ^2/NDF : 12.5/16

Left: 92.828 $\pm$ 1811.327 χ^2/NDF : 32.1/35

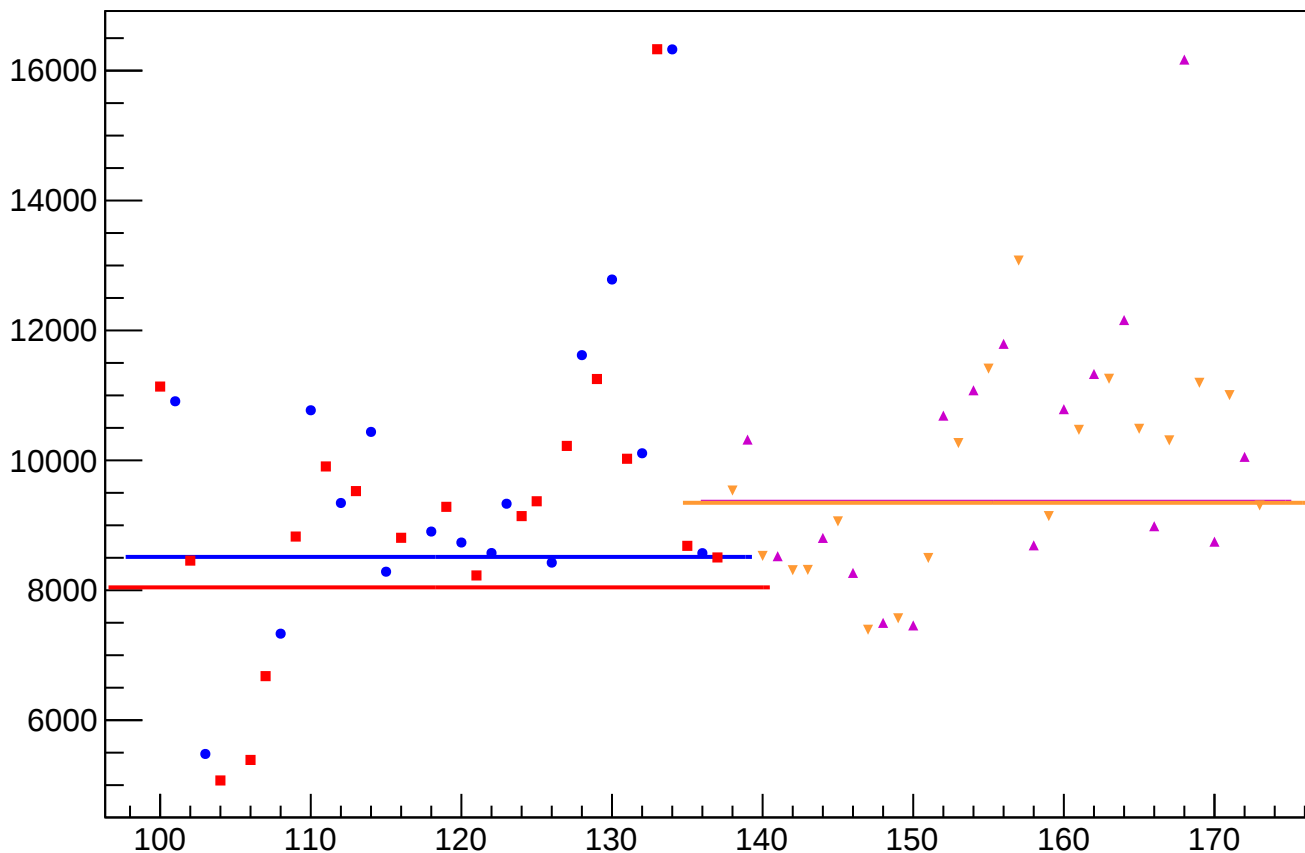
Right: 5846.682 $\pm$ 2313.559 χ^2/NDF : 29.1/35

In: 3676.158 $\pm$ 2066.596 χ^2/NDF : 29.2/33

Out: 1009.221 $\pm$ 1970.761 χ^2/NDF : 35.0/37

All: 2279.419 $\pm$ 1426.215 χ^2/NDF : 65.1/71

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8513.665+/-2.395 χ^2/NDF : 762614.5/16

Left Out: 9346.880+/-1.780 χ^2/NDF : 620023.6/18

Right Out: 8044.739+/-2.240 χ^2/NDF : 952310.5/18

Left In: 9362.648+/-1.844 χ^2/NDF : 866134.6/16

Left: 9354.484+/-1.281 χ^2/NDF : 1486196.0/35

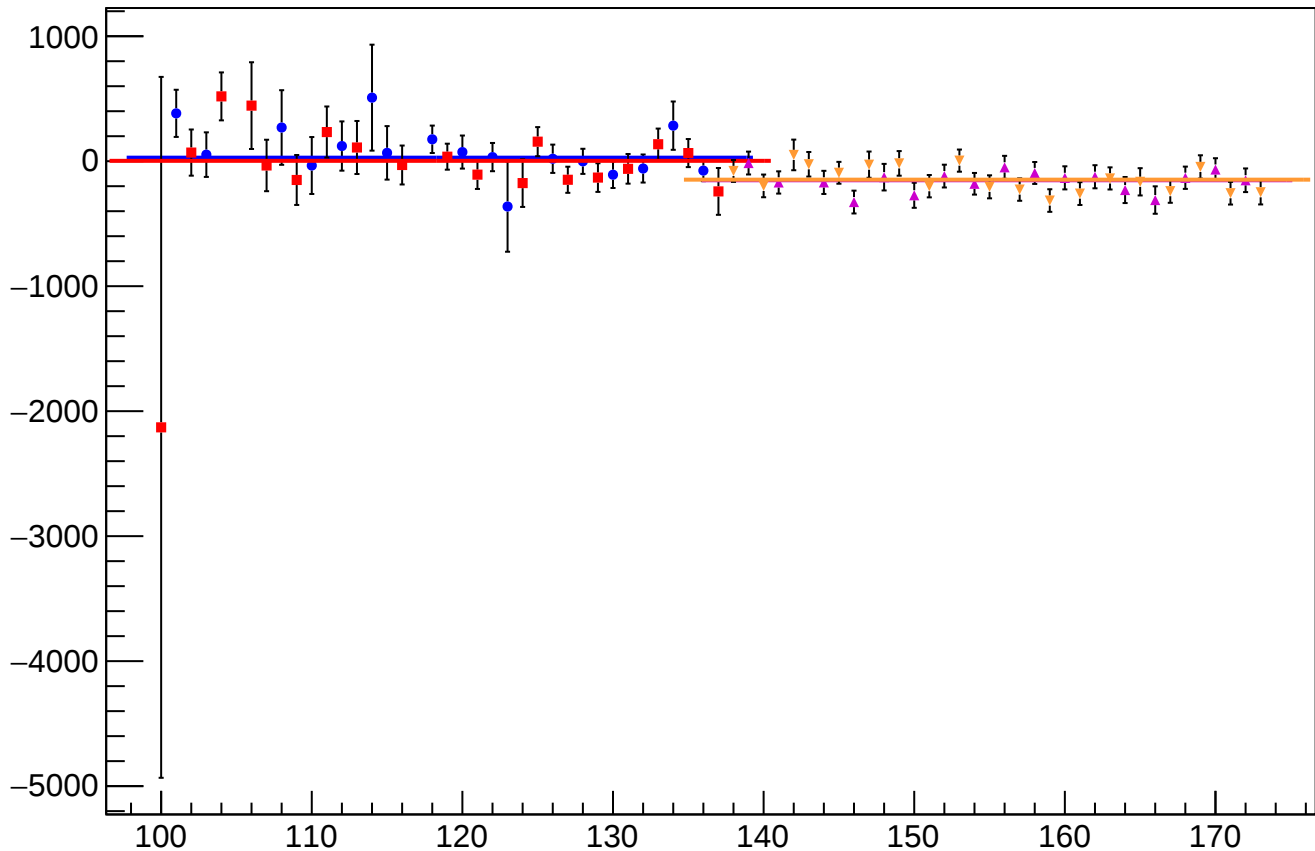
Right: 8263.507+/-1.636 χ^2/NDF : 1735374.5/35

In: 9046.606+/-1.461 χ^2/NDF : 1707624.4/33

Out: 8842.823+/-1.394 χ^2/NDF : 1779492.7/37

All: 8939.879+/-1.008 χ^2/NDF : 3497302.2/71

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 28.303 ± 33.679 $\chi^2/\text{NDF}: 14.5/16$

Left Out: -147.682 ± 21.550 $\chi^2/\text{NDF}: 22.7/18$

Right Out: 2.963 ± 33.691 $\chi^2/\text{NDF}: 22.3/18$

Left In: -152.544 ± 22.697 $\chi^2/\text{NDF}: 13.2/16$

Left: -149.987 ± 15.628 $\chi^2/\text{NDF}: 35.8/35$

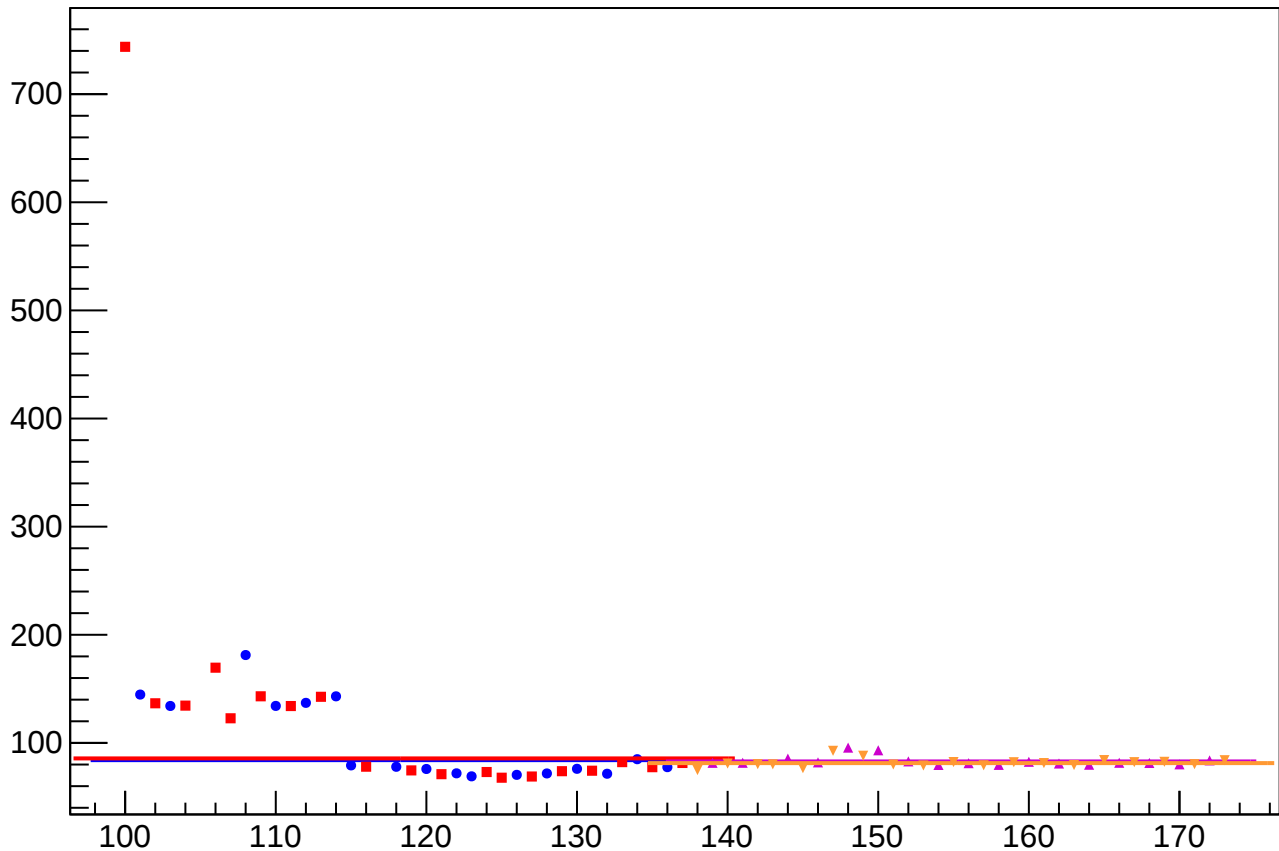
Right: 15.637 ± 23.819 $\chi^2/\text{NDF}: 37.0/35$

In: -96.061 ± 18.822 $\chi^2/\text{NDF}: 47.5/33$

Out: -103.943 ± 18.154 $\chi^2/\text{NDF}: 59.1/37$

All: -100.144 ± 13.066 $\chi^2/\text{NDF}: 106.7/71$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.067 $\pm$ 0.024 χ^2 /NDF: 1005835.5/16

Left Out: 81.323 $\pm$ 0.015 χ^2 /NDF: 57281.7/18

Right Out: 85.667 $\pm$ 0.024 χ^2 /NDF: 1215221.9/18

Left In: 82.863 $\pm$ 0.016 χ^2 /NDF: 63948.9/16

Left: 82.053 $\pm$ 0.011 χ^2 /NDF: 126077.6/35

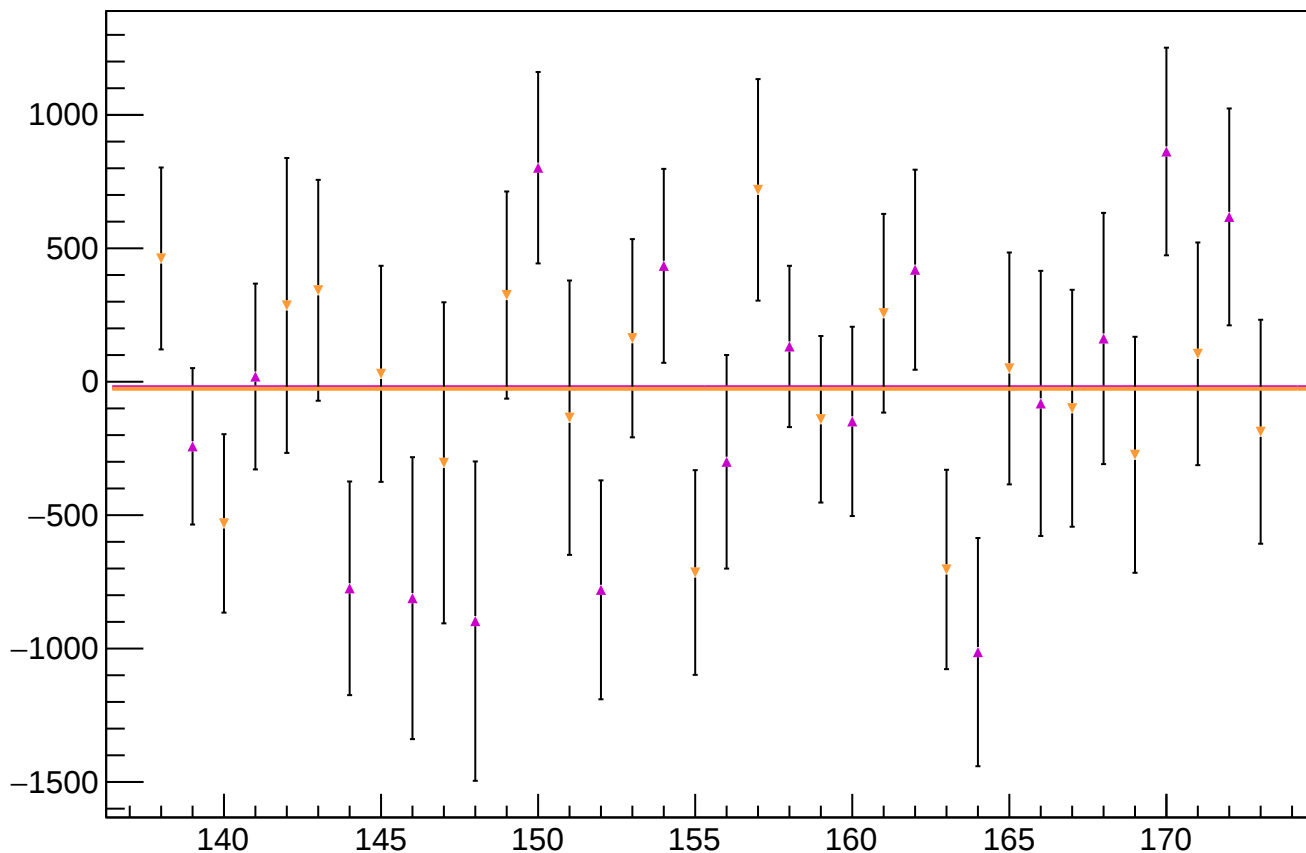
Right: 84.866 $\pm$ 0.017 χ^2 /NDF: 2223312.8/35

In: 83.239 $\pm$ 0.013 χ^2 /NDF: 1071540.4/33

Out: 82.584 $\pm$ 0.013 χ^2 /NDF: 1296098.1/37

All: 82.900 $\pm$ 0.009 χ^2 /NDF: 2368894.7/71

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -26.321+/-92.320 χ^2/NDF :17.9/18

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

Left In: -20.636+/-94.186 χ^2/NDF :34.2/16

Left: -23.535+/-65.930 χ^2/NDF : 52.1/35

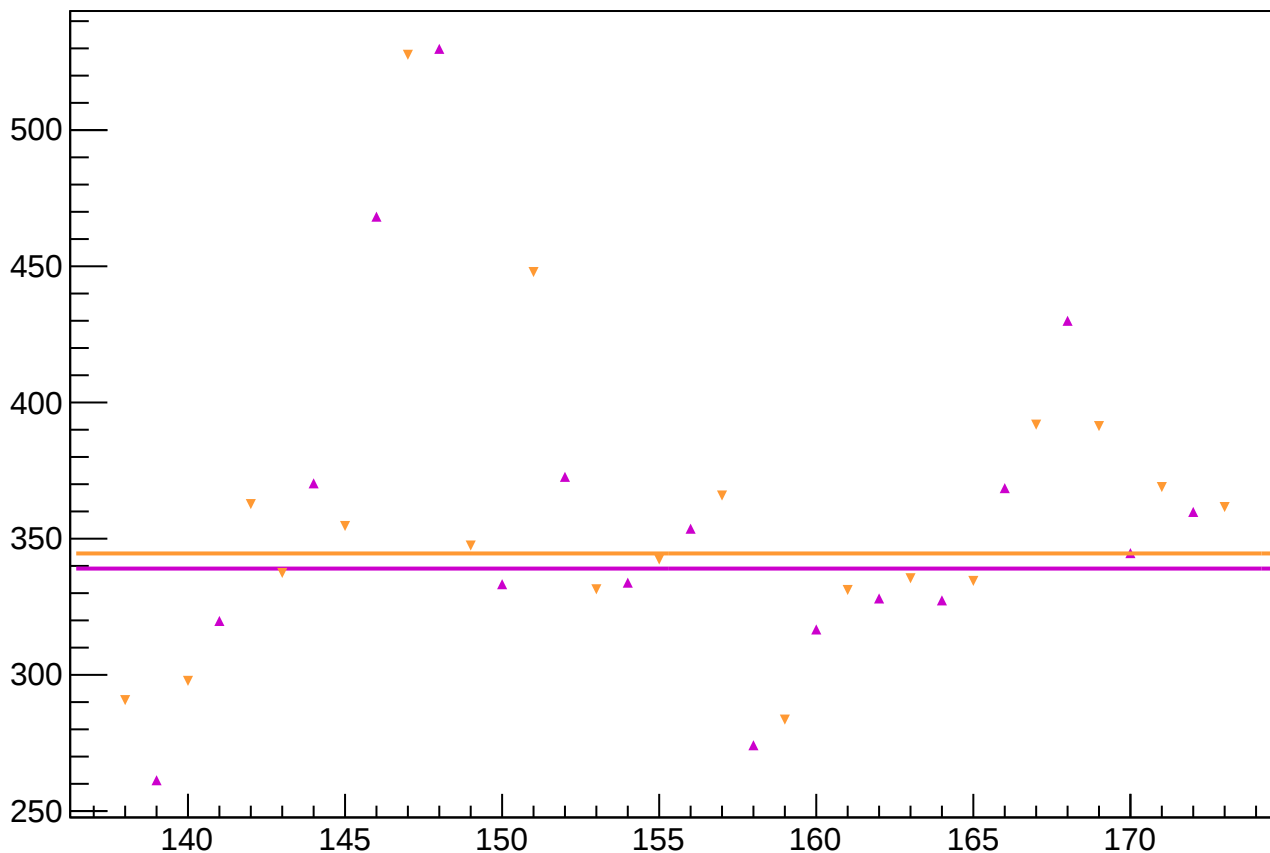
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -20.636+/-94.186 χ^2/NDF :34.2/16

Out: -26.321+/-92.320 χ^2/NDF :17.9/18

All: -23.535+/-65.930 χ^2/NDF : 52.1/35

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 344.576 $\pm$ 0.065 χ^2/NDF :503318.0/18

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

Left In: 339.025 $\pm$ 0.067 χ^2/NDF :689522.4/16

Left: 341.856 $\pm$ 0.047 χ^2/NDF : 1196384.3/35

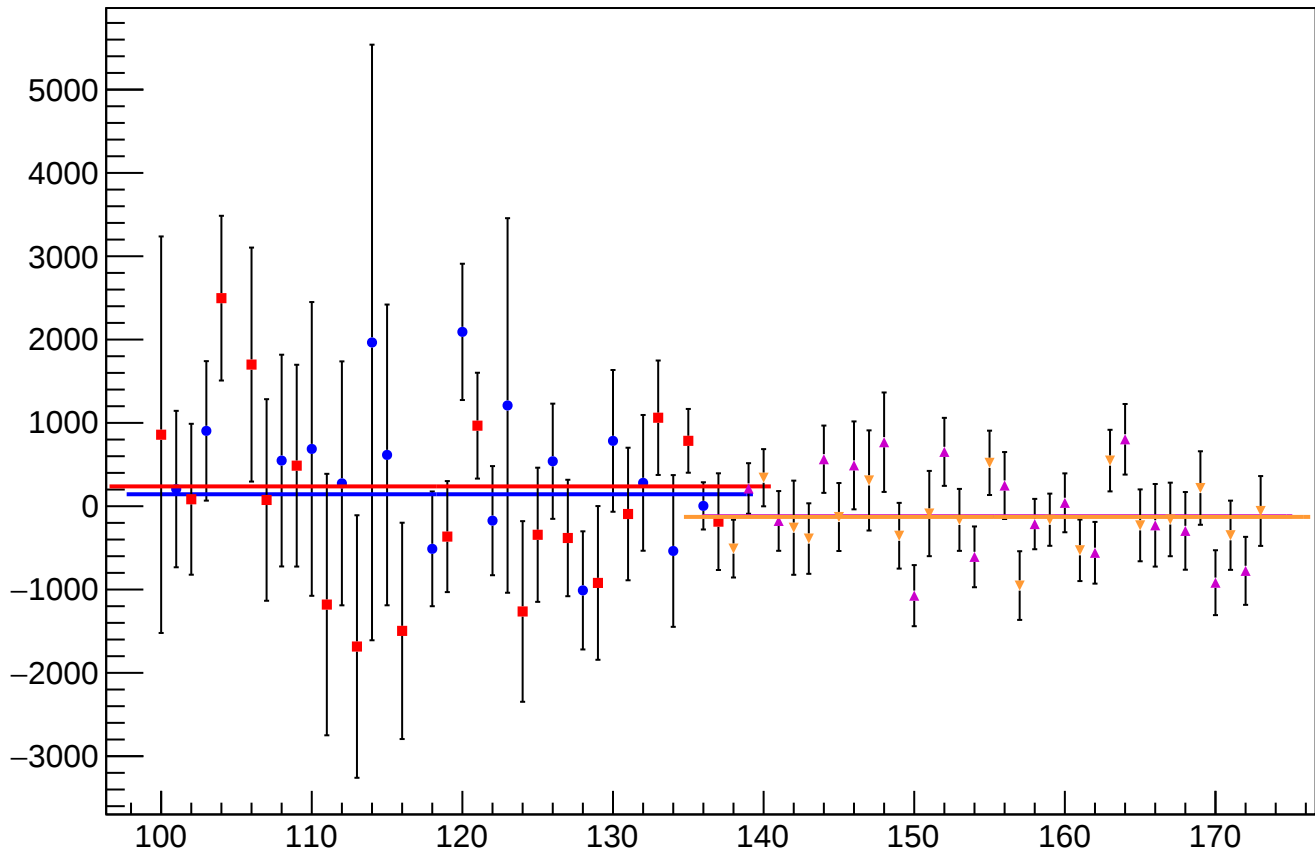
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 339.025 $\pm$ 0.067 χ^2/NDF :689522.4/16

Out: 344.576 $\pm$ 0.065 χ^2/NDF :503318.0/18

All: 341.856 $\pm$ 0.047 χ^2/NDF : 1196384.3/35

asym_sam1_mean vs Slug, Sign Corrected



Right In: 143.486 $\pm$ 179.237 χ^2 /NDF: 12.8/16

Left Out: -128.368 $\pm$ 92.705 χ^2 /NDF:16.7/18

Right Out: 237.821 $\pm$ 183.995 χ^2 /NDF: 21.7/18

Left In: -120.238 $\pm$ 94.740 χ^2 /NDF:34.0/16

Left: -124.391 $\pm$ 66.260 χ^2 /NDF: 50.8/35

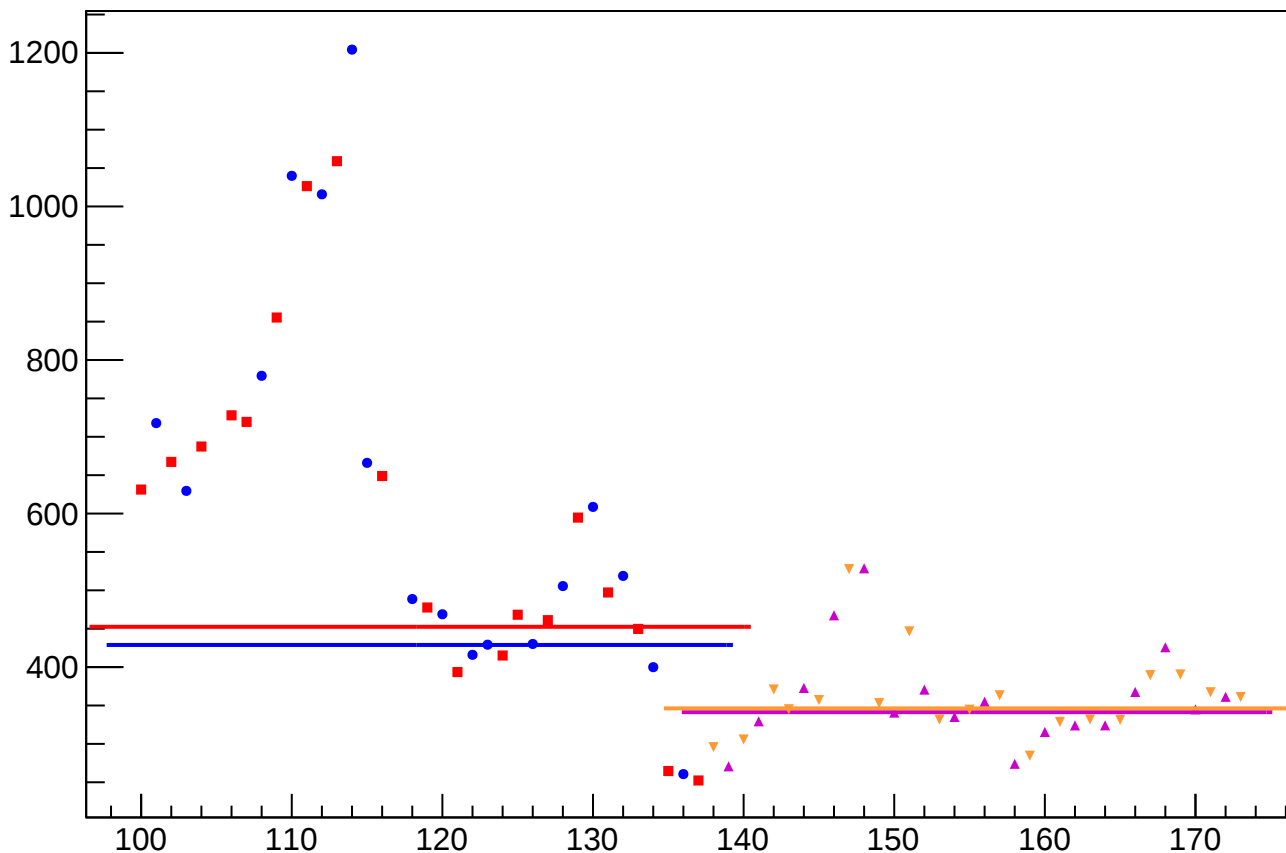
Right: 189.418 $\pm$ 128.389 χ^2 /NDF: 34.6/35

In: -62.646 $\pm$ 83.759 χ^2 /NDF:48.5/33

Out: -54.229 $\pm$ 82.790 χ^2 /NDF:41.6/37

All: -58.389 $\pm$ 58.881 χ^2 /NDF: 90.1/71

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.856+/-0.127 χ^2/NDF : 2012329.6/16

Left Out: 346.231+/-0.066 χ^2/NDF : 475895.4/18

Right Out: 452.517+/-0.130 χ^2/NDF : 2039238.5/18

Left In: 341.315+/-0.067 χ^2/NDF : 640973.2/16

Left: 343.827+/-0.047 χ^2/NDF : 1119619.7/35

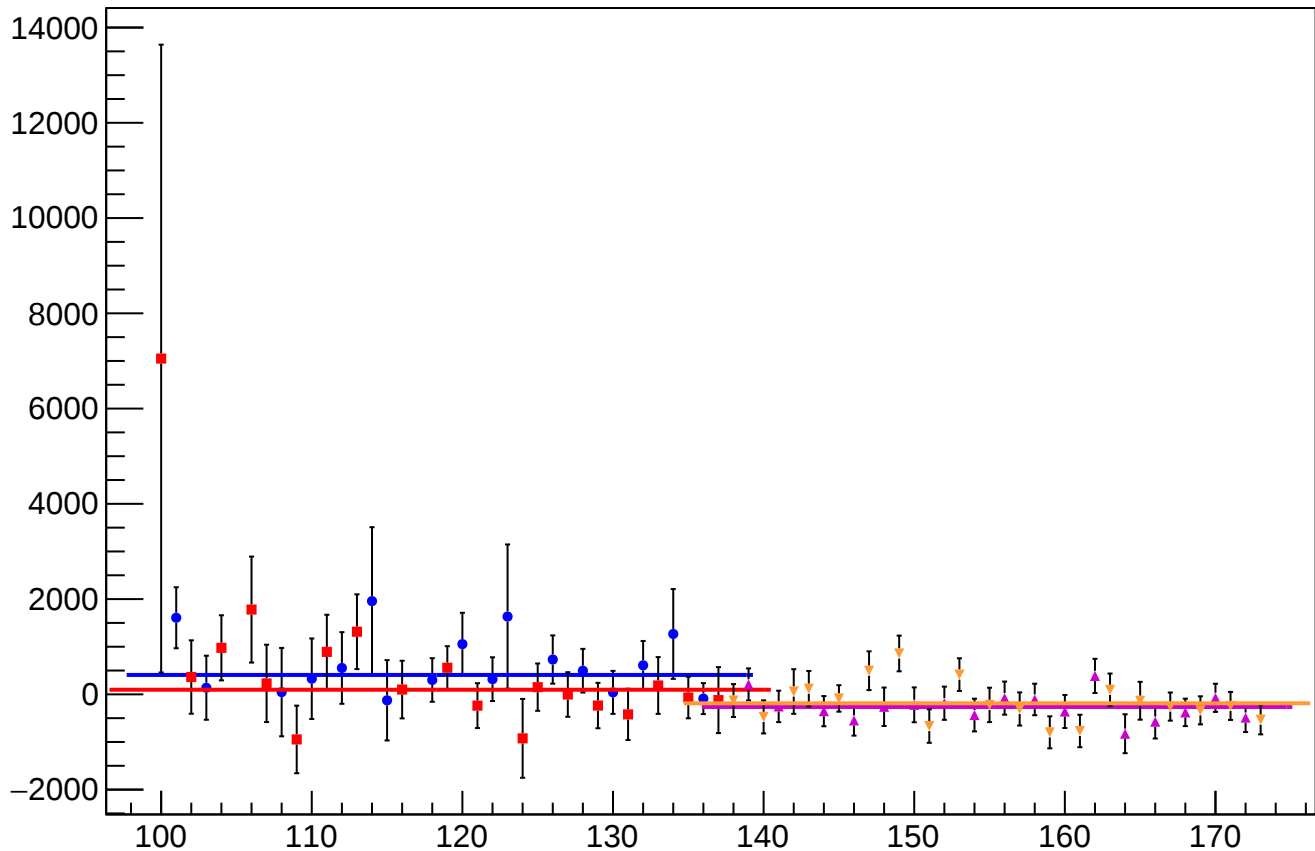
Right: 440.377+/-0.091 χ^2/NDF : 4068538.6/35

In: 360.432+/-0.059 χ^2/NDF : 3026202.4/33

Out: 367.750+/-0.059 χ^2/NDF : 3047392.3/37

All: 364.134+/-0.042 χ^2/NDF : 6081317.0/71

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 407.640 $\pm$ 139.972 χ^2 /NDF: 11.4/16

Left Out: -187.661 $\pm$ 77.997 χ^2 /NDF:25.9/18

Right Out: 96.852 $\pm$ 139.191 χ^2 /NDF: 15.6/18

Left In: -264.573 $\pm$ 81.661 χ^2 /NDF:10.8/16

Left: -224.353 $\pm$ 56.403 χ^2 /NDF: 37.2/35

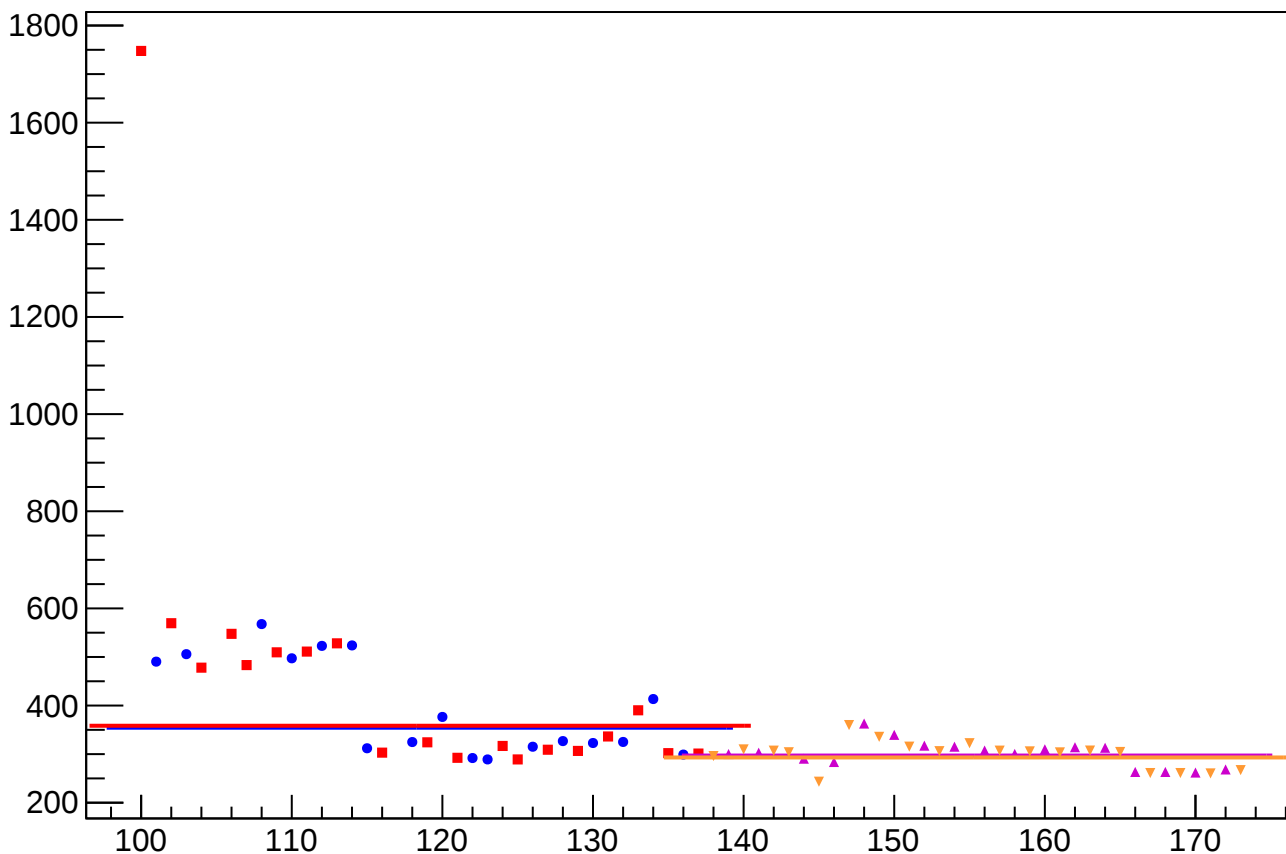
Right: 251.376 $\pm$ 98.698 χ^2 /NDF: 29.5/35

In: -93.874 $\pm$ 70.535 χ^2 /NDF:39.4/33

Out: -119.671 $\pm$ 68.043 χ^2 /NDF:44.7/37

All: -107.236 $\pm$ 48.971 χ^2 /NDF: 84.2/71

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 354.426+/-0.099 χ^2/NDF : 636260.3/16

Left Out: 293.125+/-0.055 χ^2/NDF : 275573.6/18

Right Out: 358.422+/-0.098 χ^2/NDF : 879426.8/18

Left In: 297.075+/-0.058 χ^2/NDF : 201997.5/16

Left: 295.009+/-0.040 χ^2/NDF : 480017.6/35

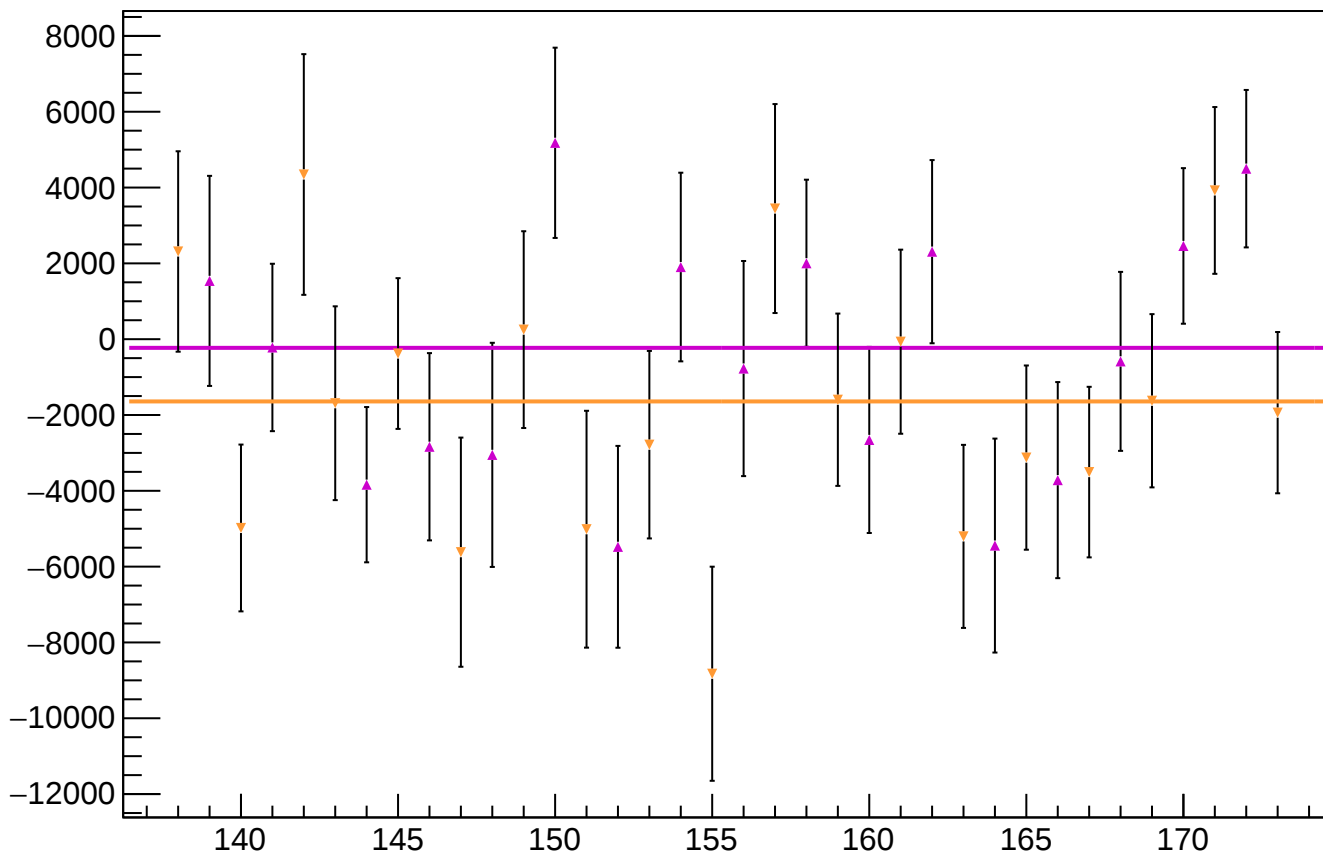
Right: 356.435+/-0.070 χ^2/NDF : 1516506.7/35

In: 311.638+/-0.050 χ^2/NDF : 1088759.3/33

Out: 308.729+/-0.048 χ^2/NDF : 1489960.0/37

All: 310.131+/-0.035 χ^2/NDF : 2580481.5/71

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1642.119+/-562.863 χ^2/NDF :32.1/18

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

Left In: -228.561+/-586.774 χ^2/NDF :30.1/16

Left: -964.728+/-406.195 χ^2/NDF : 65.2/35

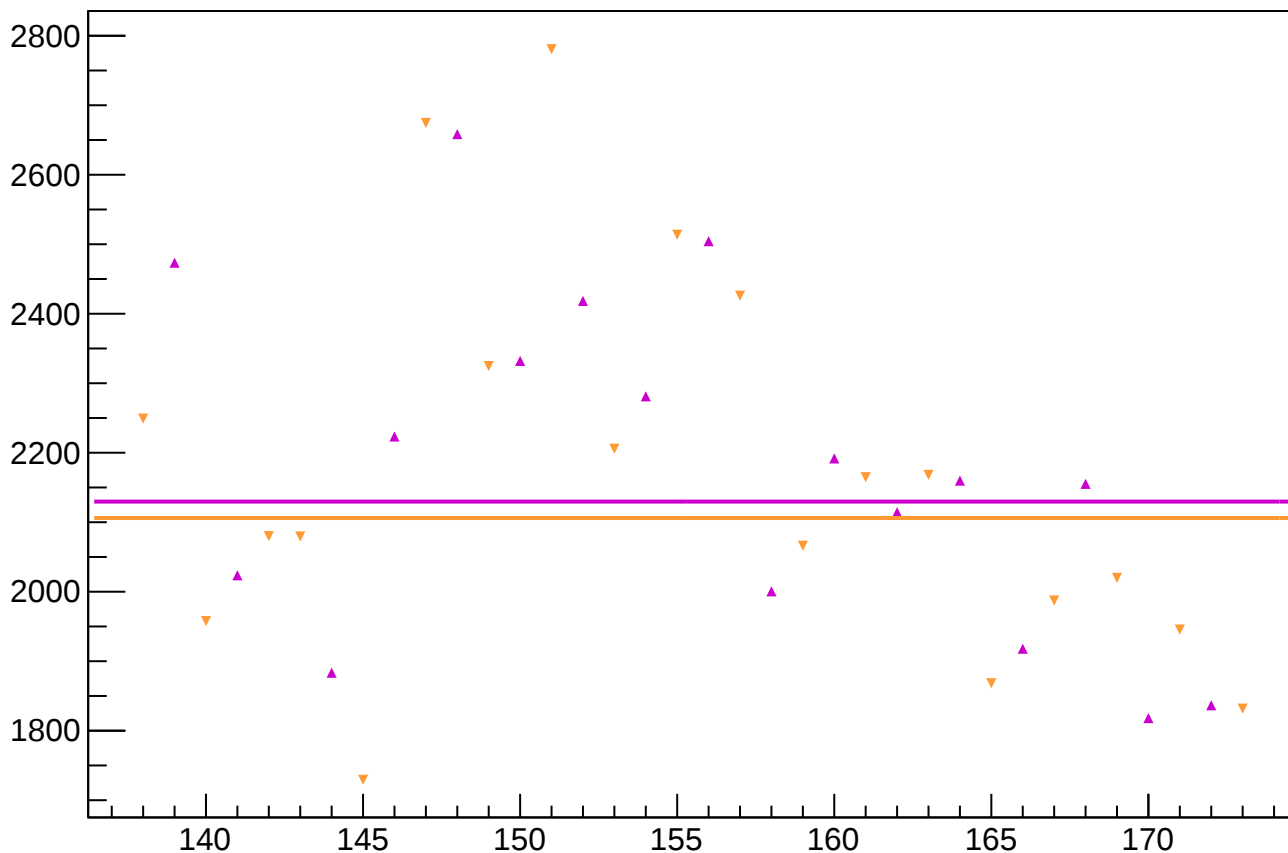
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -228.561+/-586.774 χ^2/NDF :30.1/16

Out: -1642.119+/-562.863 χ^2/NDF :32.1/18

All: -964.728+/-406.195 χ^2/NDF : 65.2/35

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2106.078+/-0.398 χ^2/NDF :411661.7/18

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

Left In: 2129.689+/-0.415 χ^2/NDF :318006.4/16

Left: 2117.393+/-0.287 χ^2/NDF : 731354.5/35

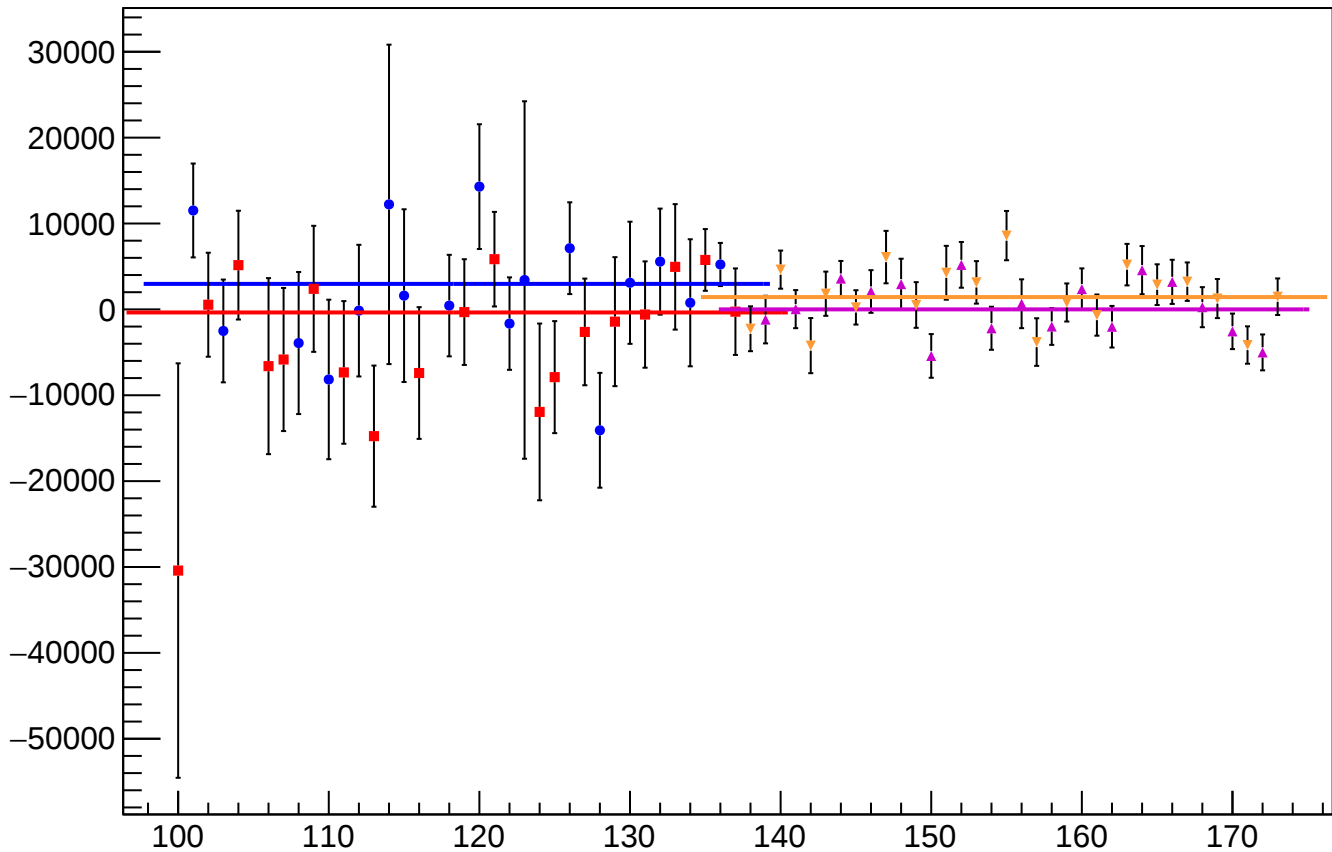
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2129.689+/-0.415 χ^2/NDF :318006.4/16

Out: 2106.078+/-0.398 χ^2/NDF :411661.7/18

All: 2117.393+/-0.287 χ^2/NDF : 731354.5/35

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2969.125+/-1440.489 χ^2/NDF : 17.4/16

Left Out: 1434.233+/-562.249 χ^2/NDF : 32.0/18

Right Out: -358.685+/-1507.064 χ^2/NDF : 15.3/18

Left In: -0.396+/-586.048 χ^2/NDF : 28.1/16

Left: 746.638+/-405.723 χ^2/NDF : 63.2/35

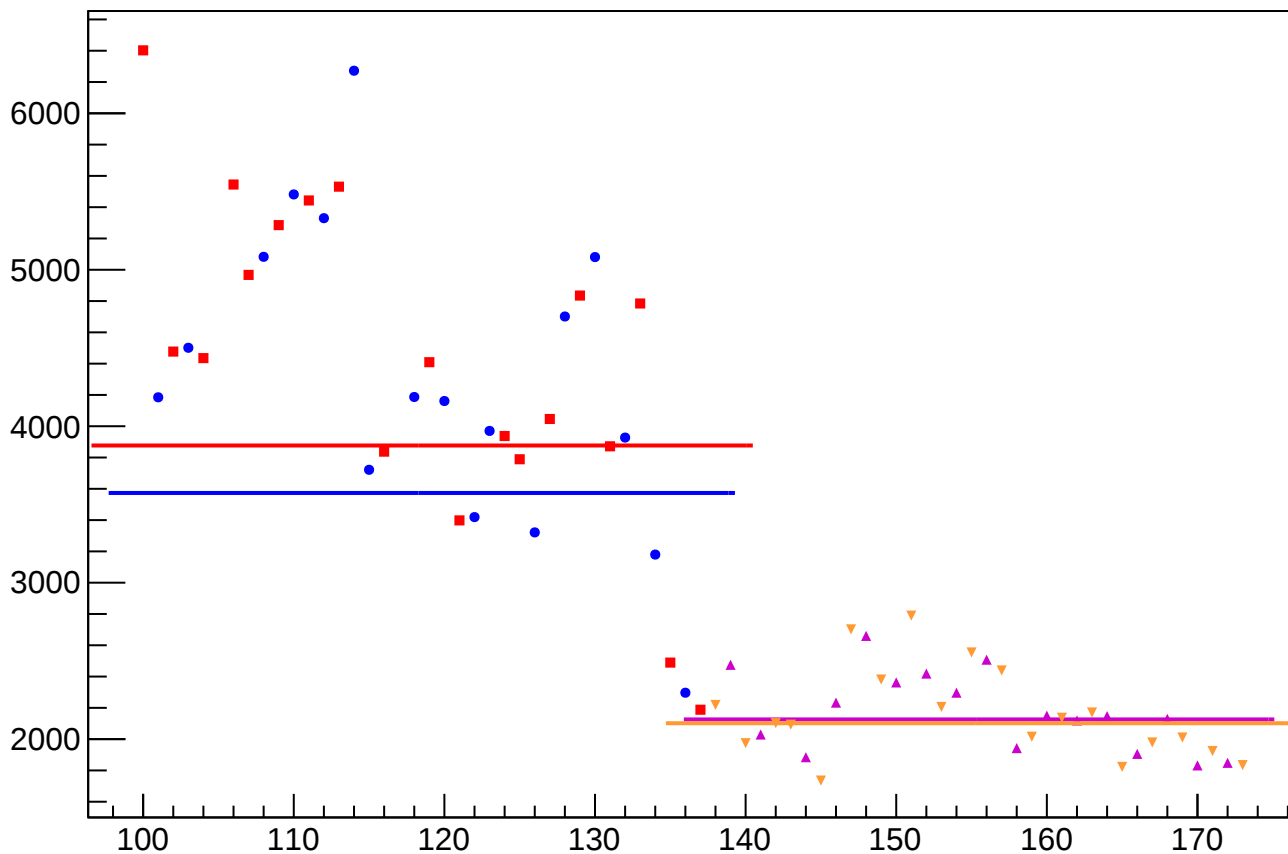
Right: 1380.346+/-1041.320 χ^2/NDF : 35.3/35

In: 421.313+/-542.842 χ^2/NDF : 49.1/33

Out: 1215.174+/-526.783 χ^2/NDF : 48.6/37

All: 830.160+/-378.042 χ^2/NDF : 98.8/71

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3573.470+/-1.019 χ^2/NDF : 1088731.5/16

Left Out: 2101.685+/-0.398 χ^2/NDF : 443189.8/18

Right Out: 3876.914+/-1.066 χ^2/NDF : 988409.8/18

Left In: 2126.041+/-0.414 χ^2/NDF : 324206.1/16

Left: 2113.359+/-0.287 χ^2/NDF : 769194.6/35

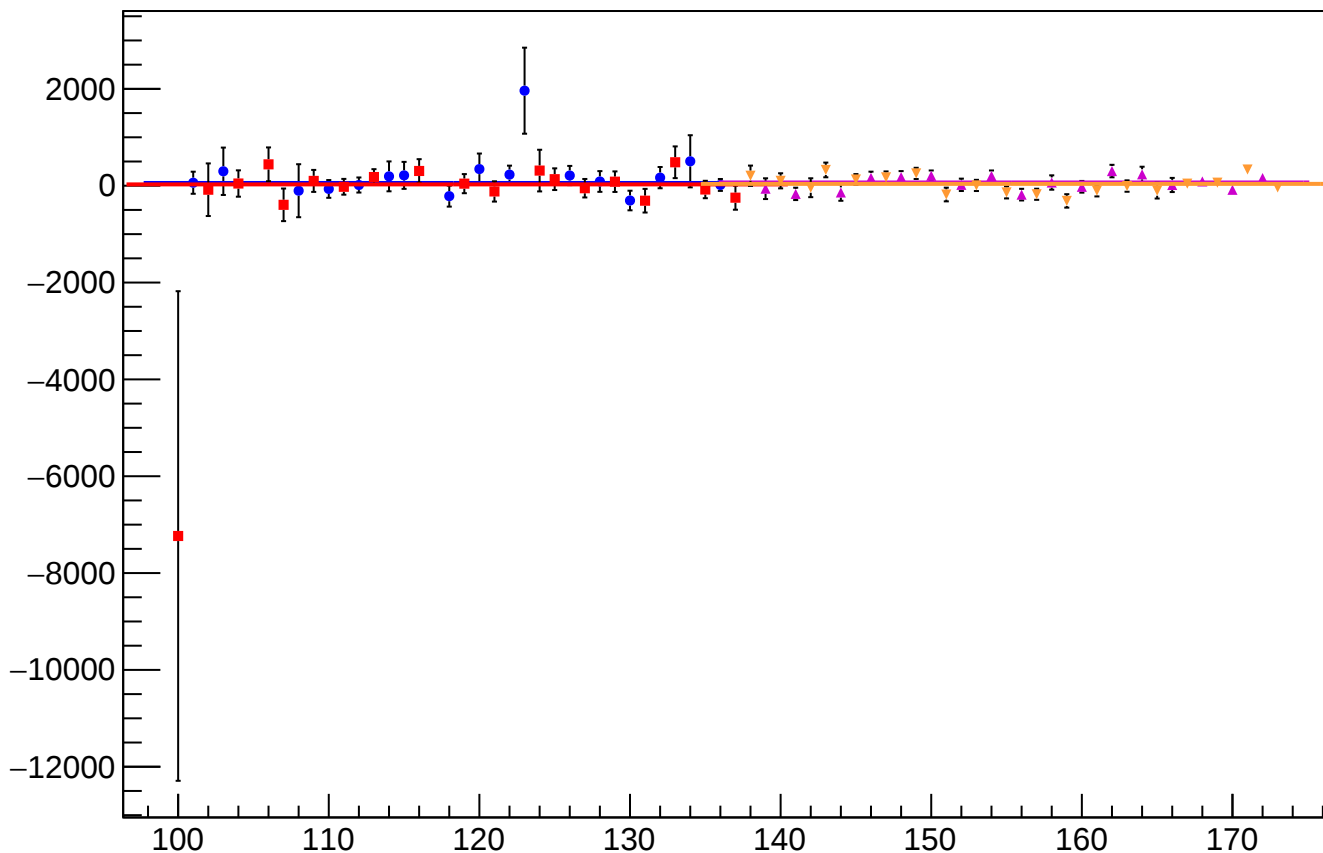
Right: 3718.342+/-0.736 χ^2/NDF : 2119512.7/35

In: 2331.594+/-0.384 χ^2/NDF : 3145485.1/33

Out: 2318.582+/-0.372 χ^2/NDF : 3867618.2/37

All: 2324.893+/-0.267 χ^2/NDF : 7013695.2/71

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 56.595 $\pm$ 53.880 χ^2 /NDF: 14.1/16

Left Out: 38.034 $\pm$ 27.111 χ^2 /NDF: 37.5/18

Right Out: 27.299 $\pm$ 54.033 χ^2 /NDF: 14.3/18

Left In: 66.841 $\pm$ 29.124 χ^2 /NDF: 23.1/16

Left: 51.407 $\pm$ 19.844 χ^2 /NDF: 61.2/35

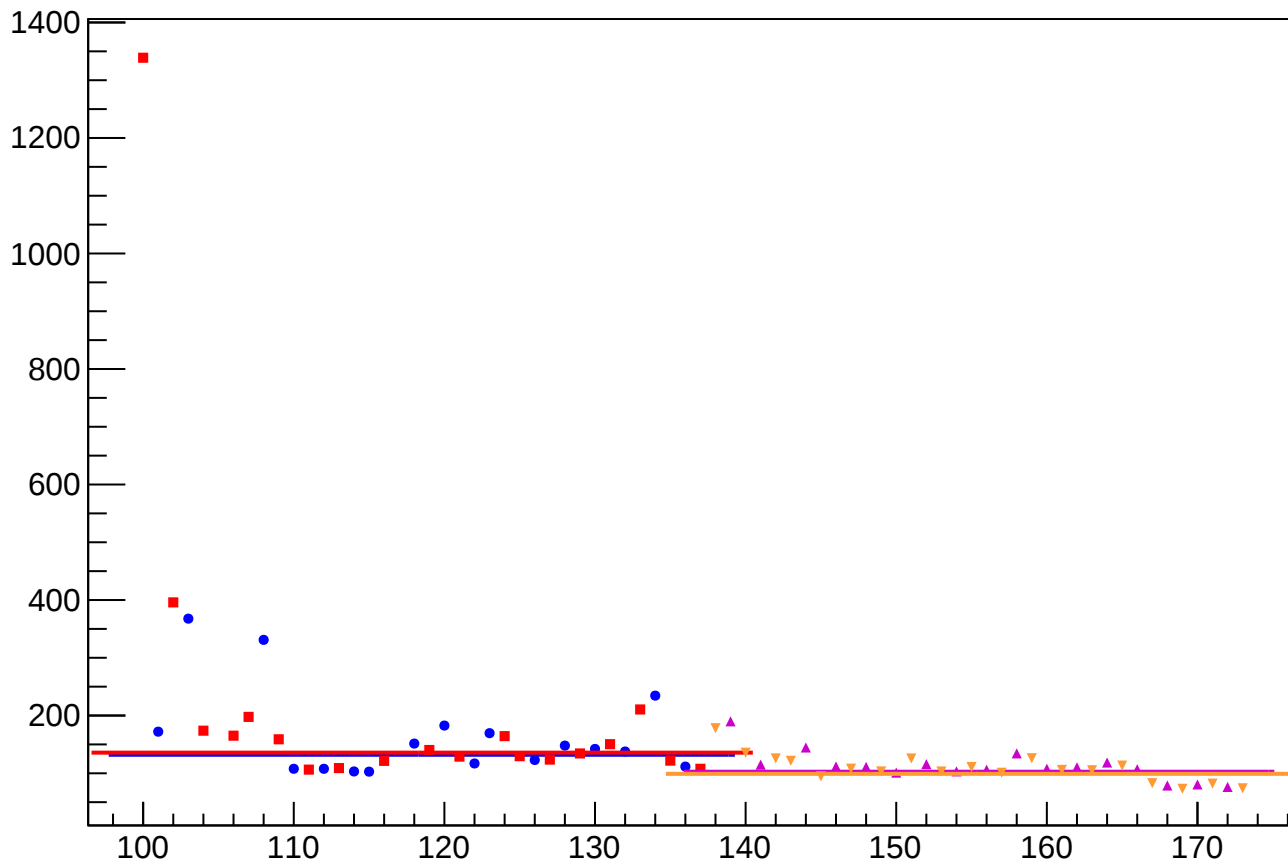
Right: 41.988 $\pm$ 38.153 χ^2 /NDF: 28.5/35

In: 64.524 $\pm$ 25.621 χ^2 /NDF: 37.2/33

Out: 35.875 $\pm$ 24.232 χ^2 /NDF: 51.8/37

All: 49.402 $\pm$ 17.605 χ^2 /NDF: 89.7/71

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 132.104+/-0.038 χ^2/NDF : 1144612.1/16

Left Out: 99.068+/-0.019 χ^2/NDF : 1176000.2/18

Right Out: 135.773+/-0.038 χ^2/NDF : 1009635.6/18

Left In: 102.729+/-0.021 χ^2/NDF : 1083954.9/16

Left: 100.767+/-0.014 χ^2/NDF : 2276886.9/35

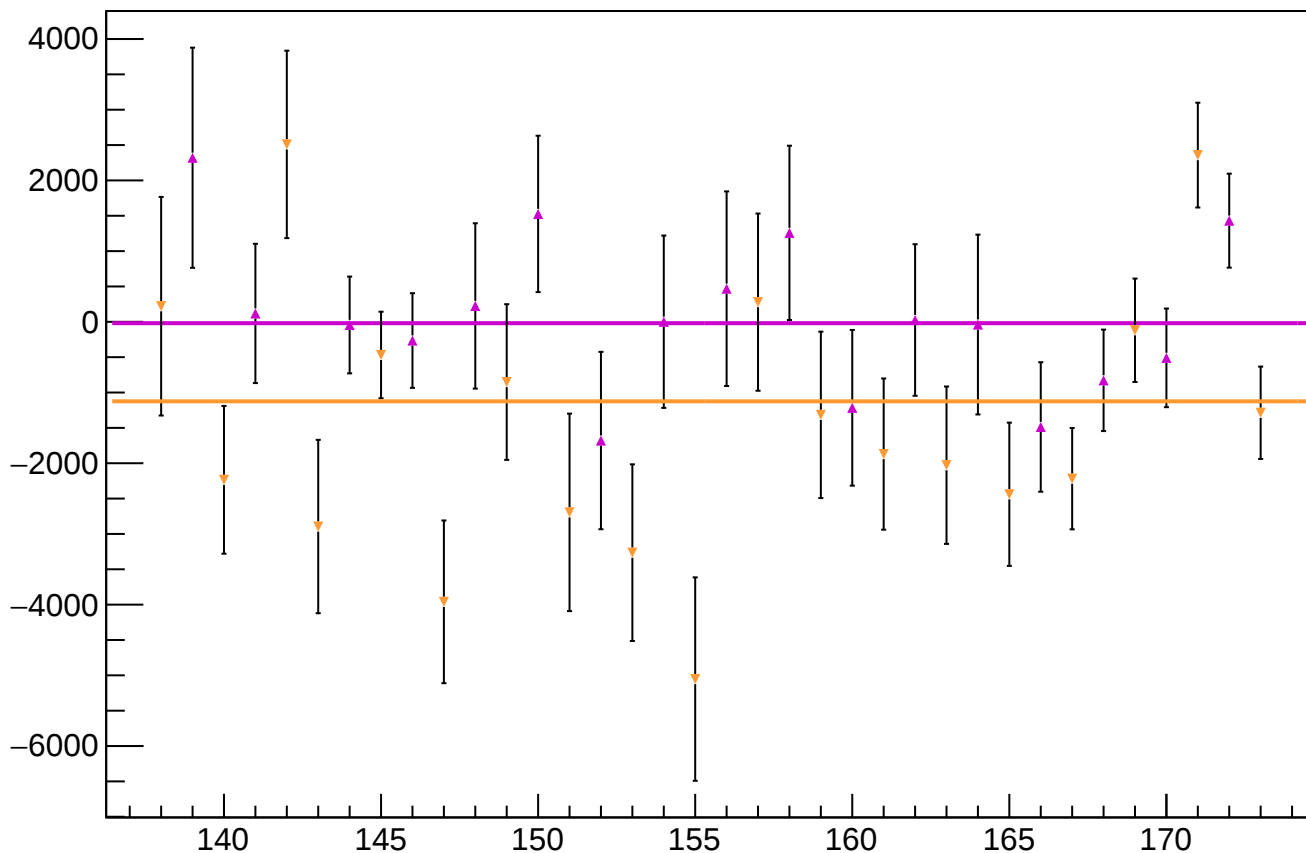
Right: 133.933+/-0.027 χ^2/NDF : 2158872.4/35

In: 109.371+/-0.018 χ^2/NDF : 2688614.3/33

Out: 106.450+/-0.017 χ^2/NDF : 2922954.3/37

All: 107.829+/-0.012 χ^2/NDF : 5625290.2/71

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1124.339+/-221.109 χ^2/NDF :60.9/18

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

Left In: -19.266+/-225.739 χ^2/NDF :17.6/16

Left: -583.252+/-157.959 χ^2/NDF : 90.8/35

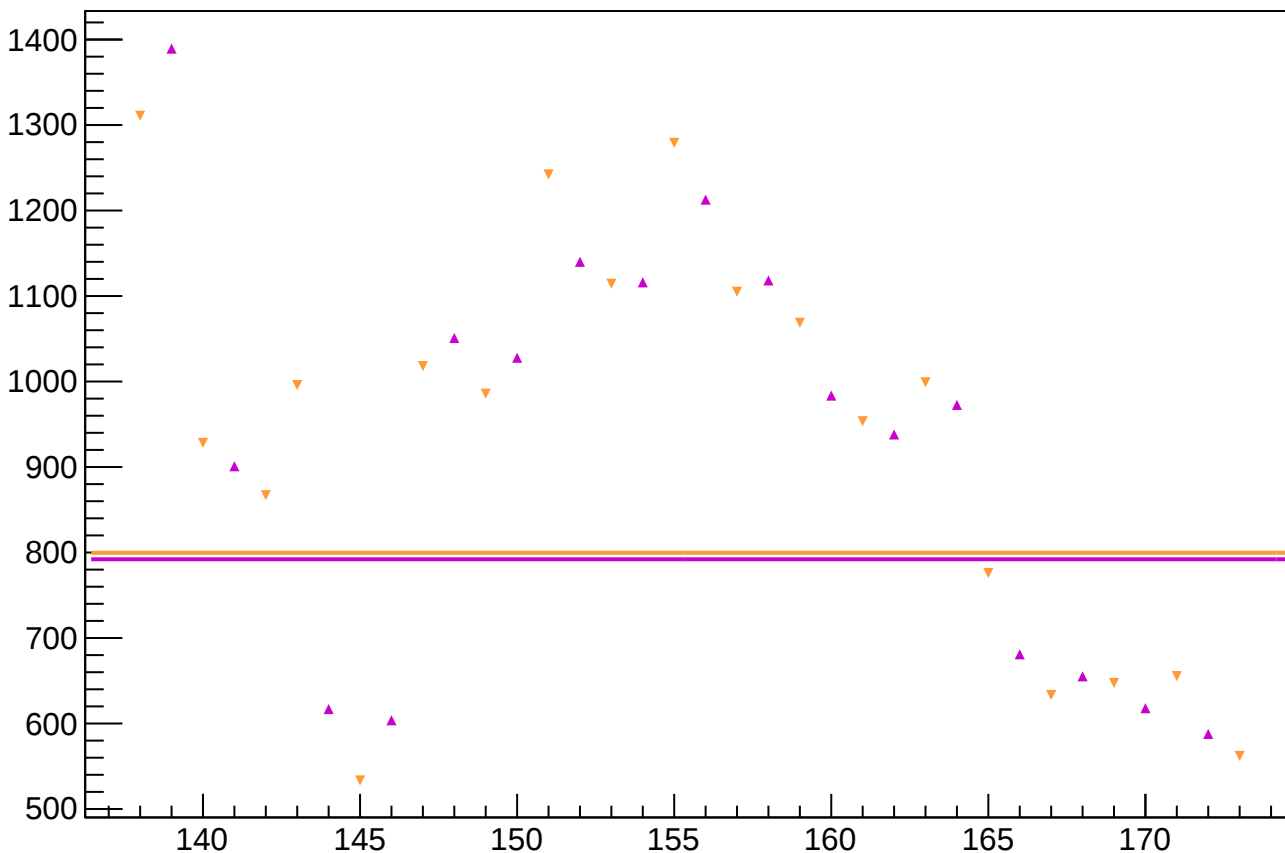
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.266+/-225.739 χ^2/NDF :17.6/16

Out: -1124.339+/-221.109 χ^2/NDF :60.9/18

All: -583.252+/-157.959 χ^2/NDF : 90.8/35

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 799.699+/-0.156 χ^2/NDF :2228379.2/18

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

Left In: 792.087+/-0.160 χ^2/NDF :1973001.8/16

Left: 795.972+/-0.112 χ^2/NDF : 4202541.6/35

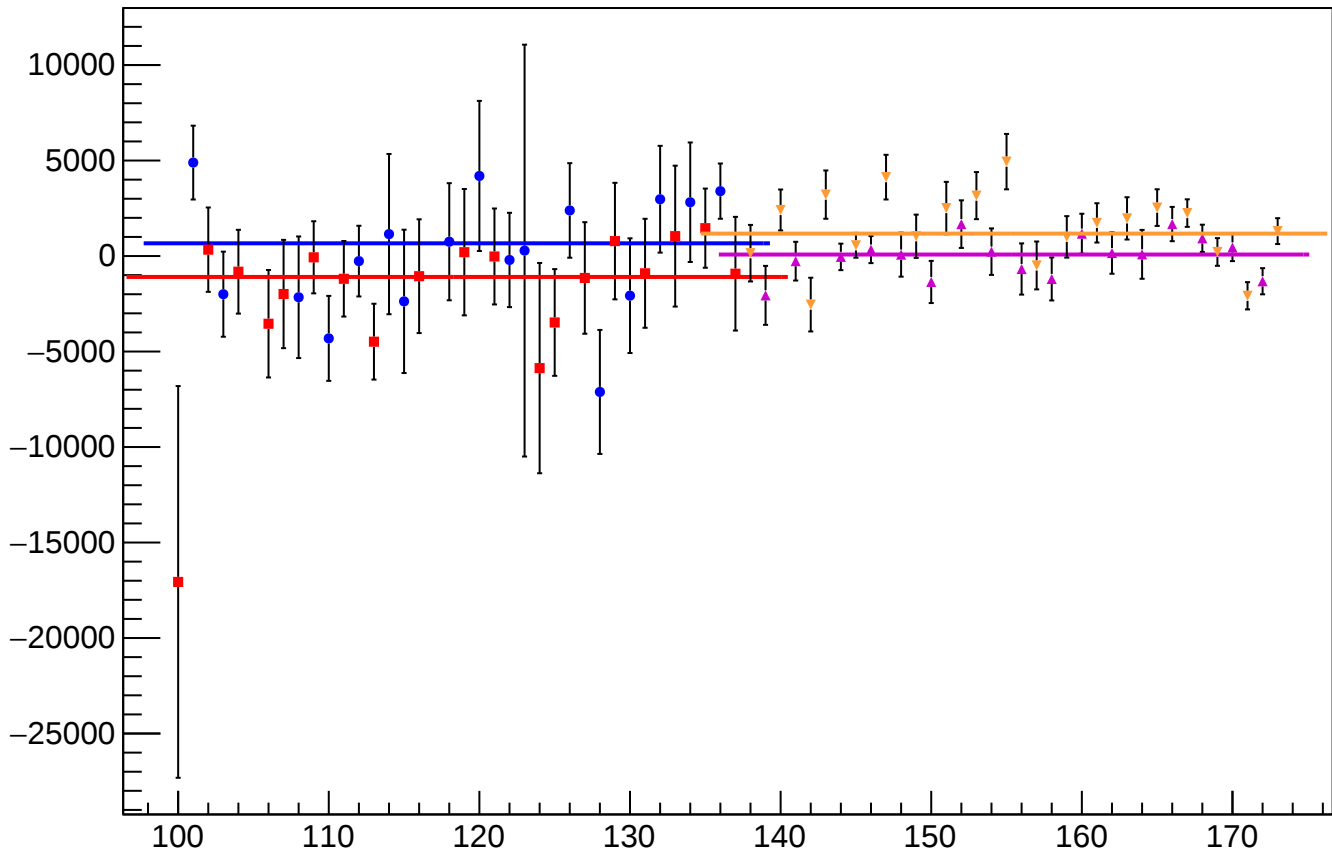
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 792.087+/-0.160 χ^2/NDF :1973001.8/16

Out: 799.699+/-0.156 χ^2/NDF :2228379.2/18

All: 795.972+/-0.112 χ^2/NDF : 4202541.6/35

asym_sam3_mean vs Slug, Sign Corrected



Right In: 666.453 ± 618.839 χ^2/NDF : 25.6/16

Left Out: 1175.030 ± 221.954 χ^2/NDF : 58.4/18

Right Out: -1094.278 ± 602.639 χ^2/NDF : 11.0/18

Left In: 78.925 ± 227.158 χ^2/NDF : 17.3/16

Left: 639.676 ± 158.753 χ^2/NDF : 87.6/35

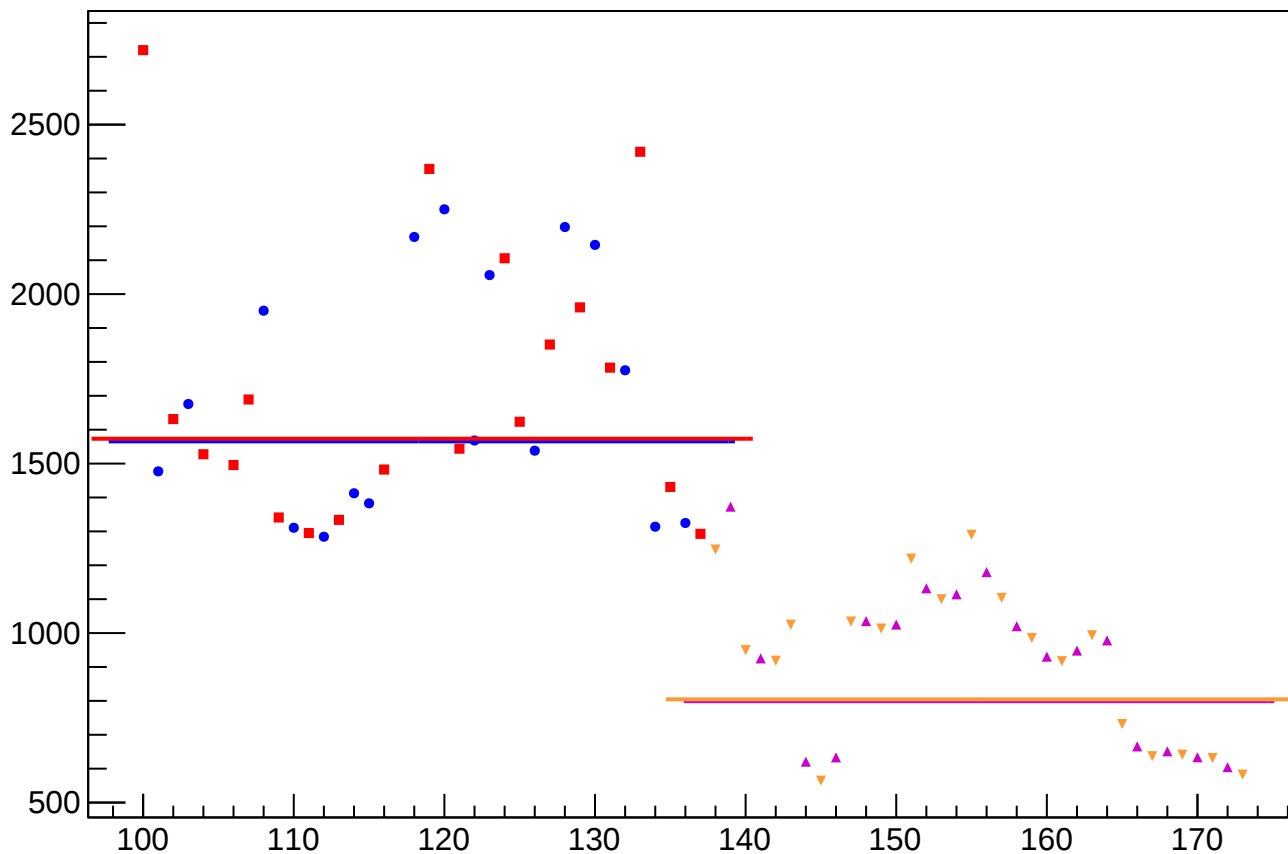
Right: -237.260 ± 431.744 χ^2/NDF : 40.8/35

In: 148.689 ± 213.245 χ^2/NDF : 43.7/33

Out: 903.972 ± 208.277 χ^2/NDF : 81.9/37

All: 535.232 ± 148.999 χ^2/NDF : 132.0/71

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1565.623+/-0.438 χ^2/NDF : 490790.2/16

Left Out: 804.495+/-0.157 χ^2/NDF : 2033705.3/18

Right Out: 1573.366+/-0.426 χ^2/NDF : 462040.3/18

Left In: 799.152+/-0.161 χ^2/NDF : 1740832.9/16

Left: 801.885+/-0.112 χ^2/NDF : 3775104.1/35

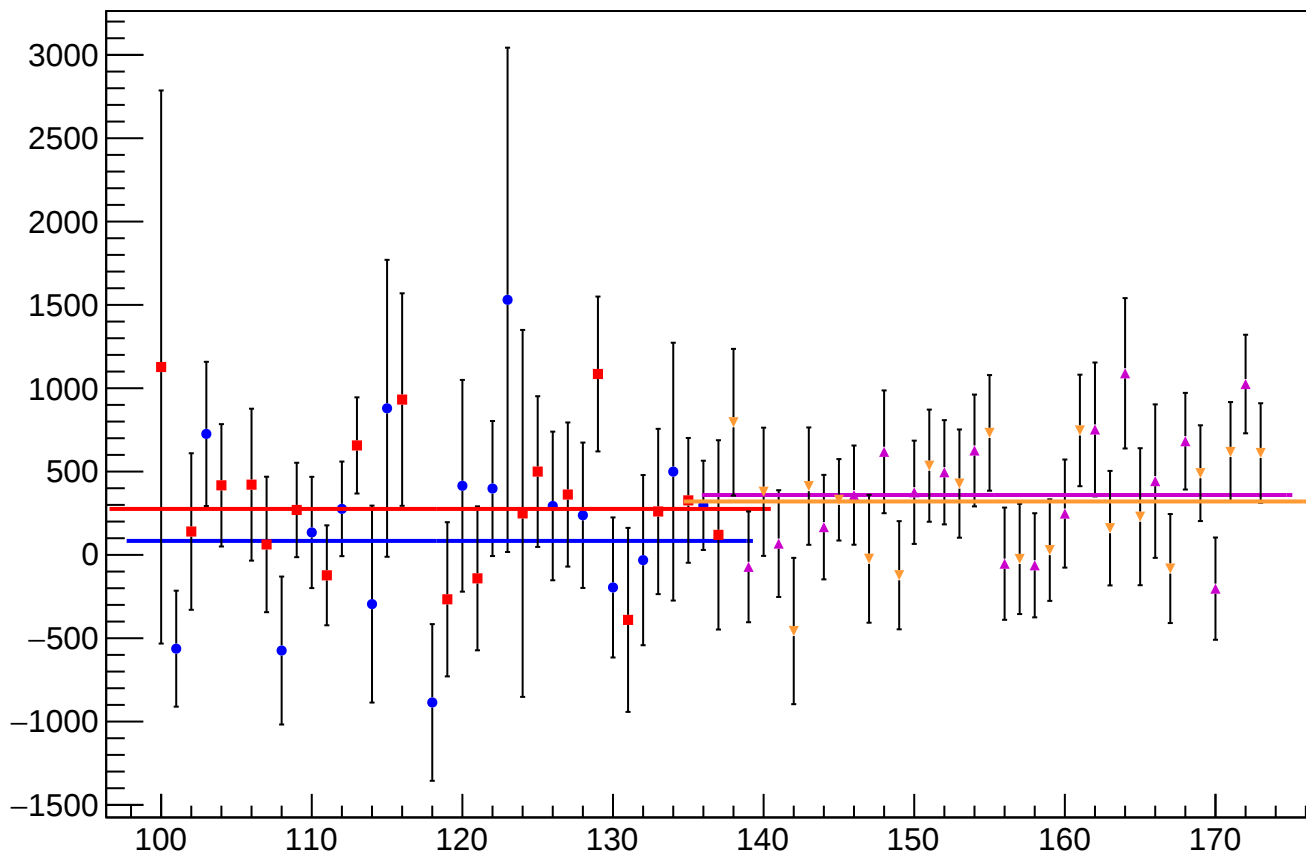
Right: 1569.597+/-0.305 χ^2/NDF : 952991.2/35

In: 890.164+/-0.151 χ^2/NDF : 4935386.5/33

Out: 896.332+/-0.147 χ^2/NDF : 5362422.4/37

All: 893.321+/-0.105 χ^2/NDF : 10298665.3/73

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 83.935 ± 103.619 $\chi^2/\text{NDF}: 17.3/16$

Left Out: 320.603 ± 76.266 $\chi^2/\text{NDF}: 16.7/18$

Right Out: 275.803 ± 97.798 $\chi^2/\text{NDF}: 12.6/18$

Left In: 359.454 ± 80.182 $\chi^2/\text{NDF}: 20.9/16$

Left: 339.057 ± 55.261 $\chi^2/\text{NDF}: 37.7/35$

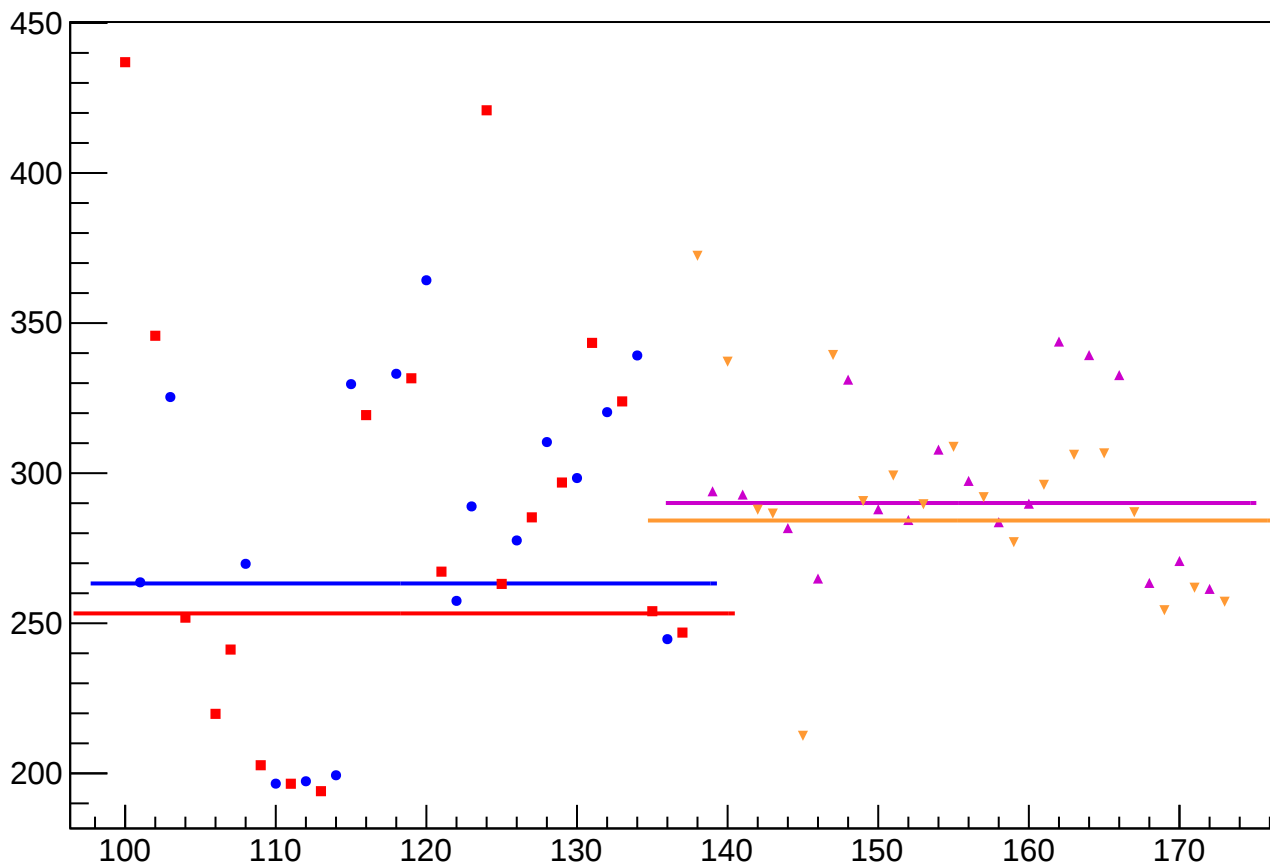
Right: 185.409 ± 71.122 $\chi^2/\text{NDF}: 31.8/35$

In: 256.264 ± 63.413 $\chi^2/\text{NDF}: 42.7/33$

Out: 303.662 ± 60.141 $\chi^2/\text{NDF}: 29.4/37$

All: 281.217 ± 43.637 $\chi^2/\text{NDF}: 72.4/71$

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 263.262 $\pm$ 0.073 χ^2 /NDF: 452757.7/16

Left Out: 284.233 $\pm$ 0.054 χ^2 /NDF: 415455.0/18

Right Out: 253.283 $\pm$ 0.069 χ^2 /NDF: 585121.8/18

Left In: 290.063 $\pm$ 0.057 χ^2 /NDF: 169530.0/16

Left: 287.002 $\pm$ 0.039 χ^2 /NDF: 590537.8/35

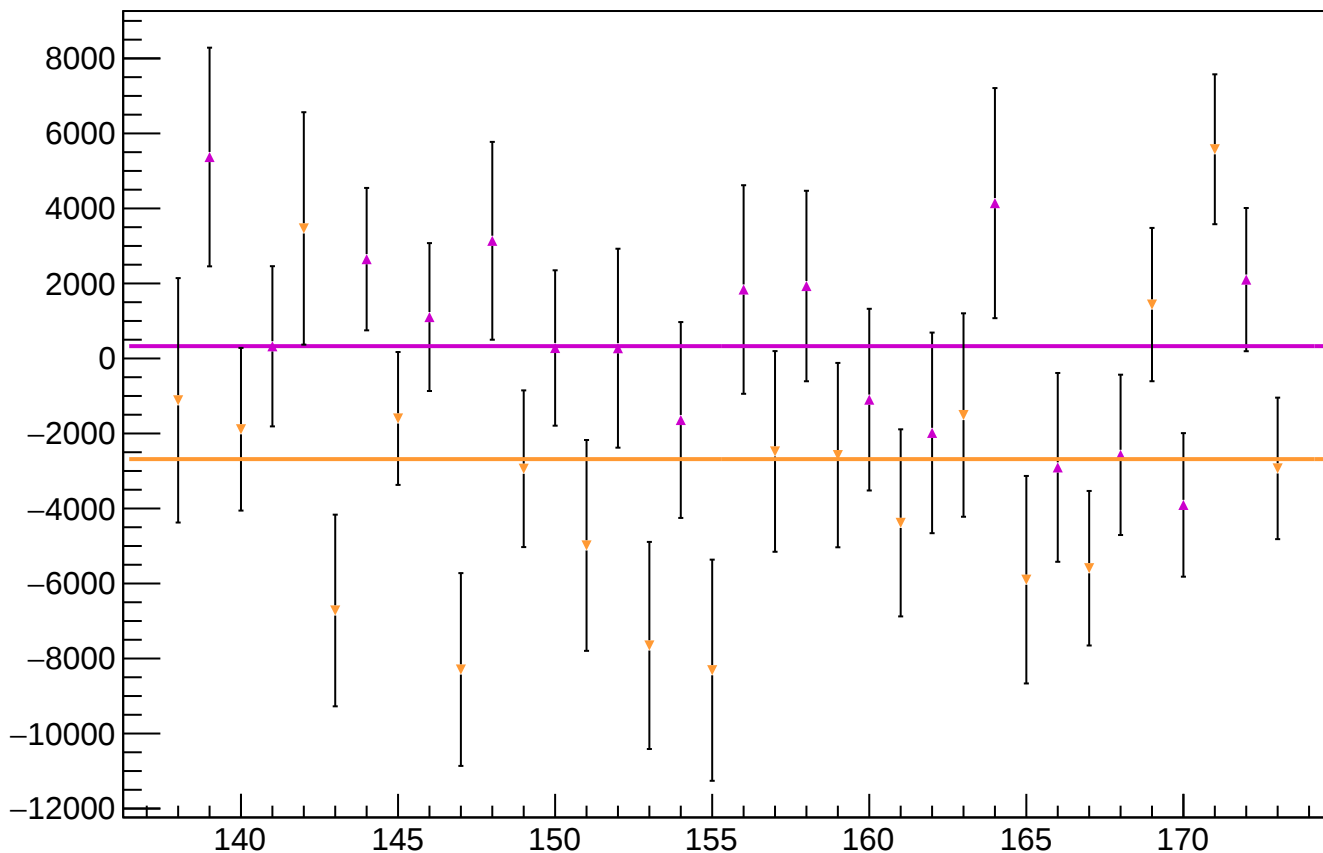
Right: 257.985 $\pm$ 0.050 χ^2 /NDF: 1047690.7/35

In: 280.026 $\pm$ 0.045 χ^2 /NDF: 705975.7/33

Out: 272.529 $\pm$ 0.043 χ^2 /NDF: 1125131.4/37

All: 276.079 $\pm$ 0.031 χ^2 /NDF: 1845823.9/71

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2683.573+/-544.294 χ^2/NDF :44.7/18

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

Left In: 328.608+/-562.338 χ^2/NDF :18.9/16

Left: -1226.584+/-391.097 χ^2/NDF : 78.4/35

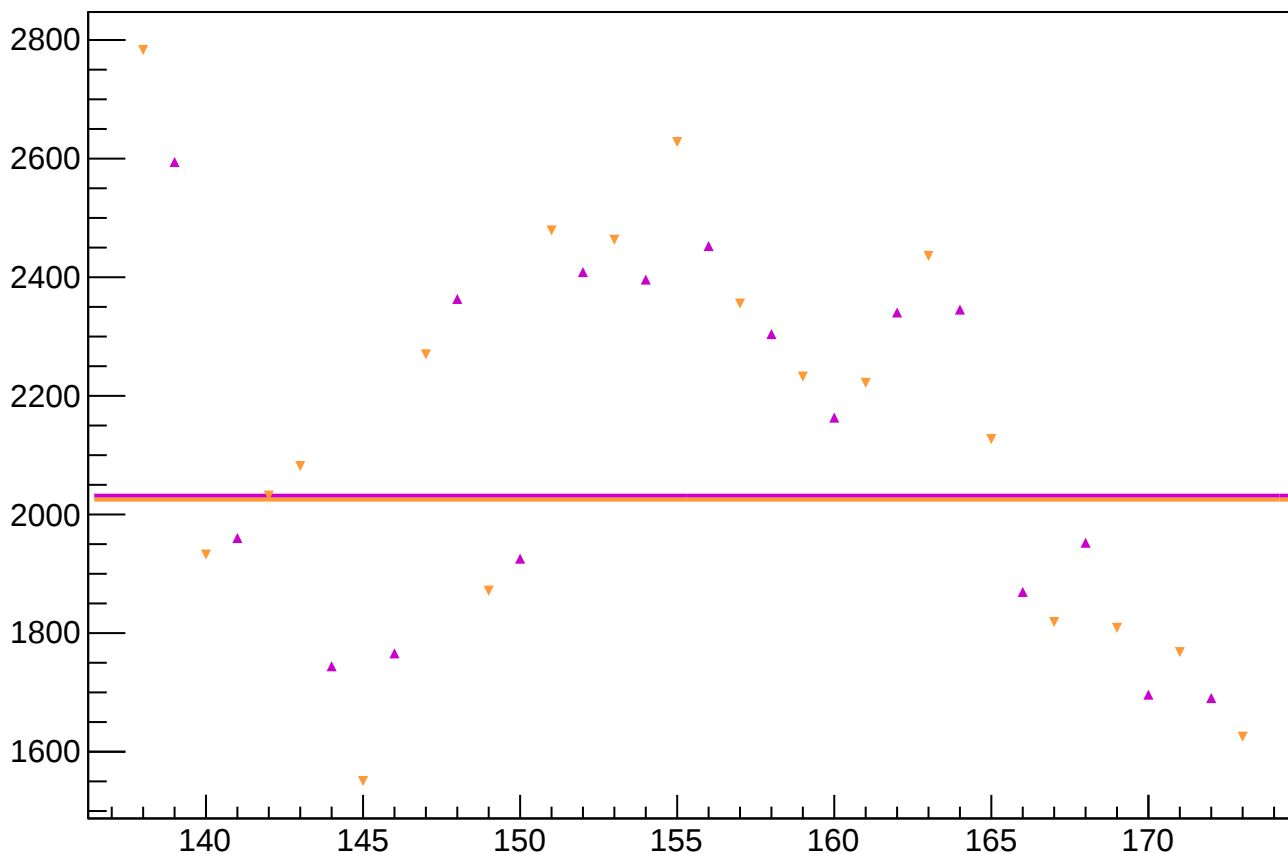
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 328.608+/-562.338 χ^2/NDF :18.9/16

Out: -2683.573+/-544.294 χ^2/NDF :44.7/18

All: -1226.584+/-391.097 χ^2/NDF : 78.4/35

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2025.114+/-0.385 χ^2/NDF : 742783.3/18

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

Left In: 2031.706+/-0.398 χ^2/NDF : 534029.3/16

Left: 2028.303+/-0.277 χ^2/NDF : 1276954.5/35

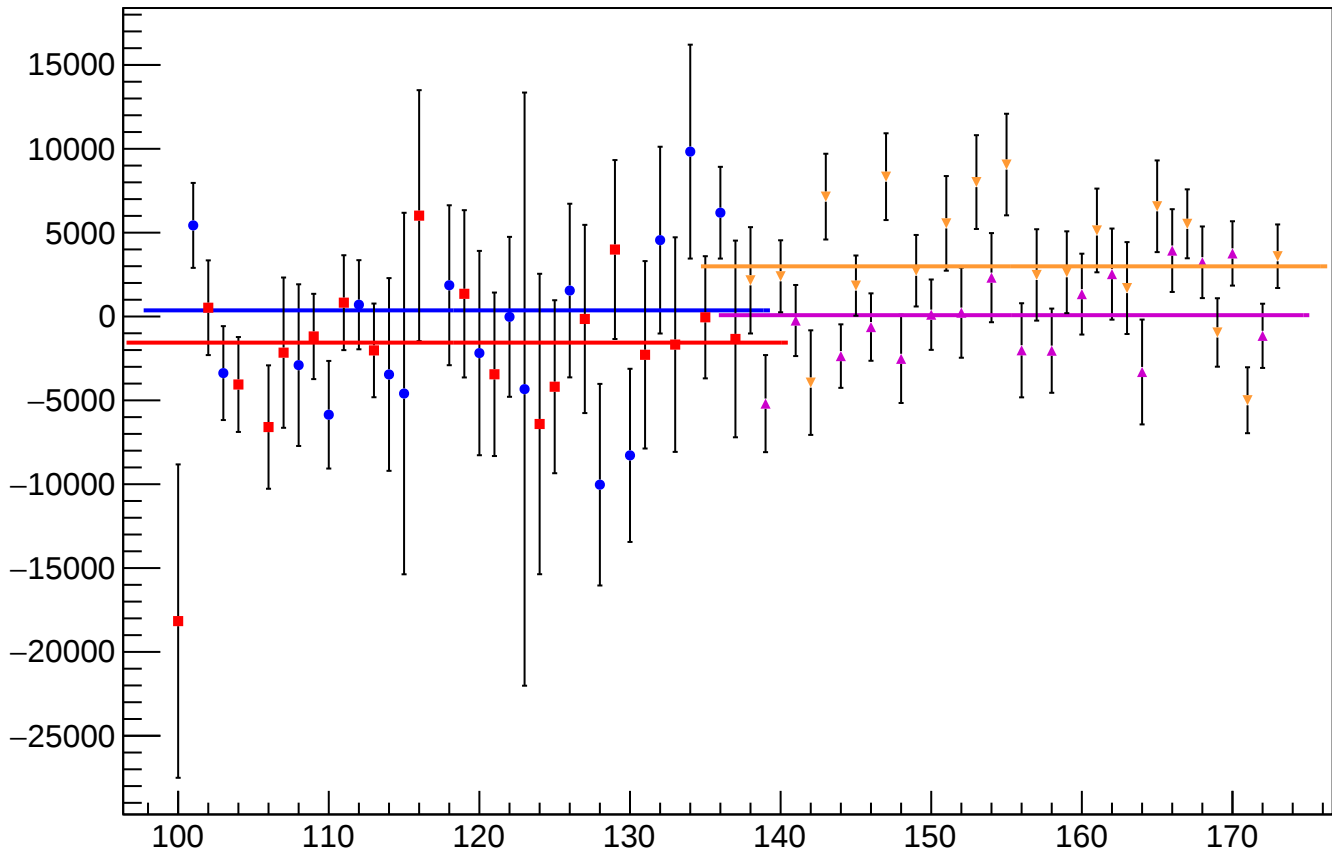
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2031.706+/-0.398 χ^2/NDF : 534029.3/16

Out: 2025.114+/-0.385 χ^2/NDF : 742783.3/18

All: 2028.303+/-0.277 χ^2/NDF : 1276954.5/35

asym_sam4_mean vs Slug, Sign Corrected



Right In: 366.454 $\pm$ 992.480 χ^2/NDF : 24.2/16

Left Out: 2991.686 $\pm$ 545.674 χ^2/NDF : 45.1/18

Right Out: -1557.388 $\pm$ 924.003 χ^2/NDF : 10.5/18

Left In: 79.444 $\pm$ 564.051 χ^2/NDF : 19.1/16

Left: 1583.778 $\pm$ 392.186 χ^2/NDF : 77.9/35

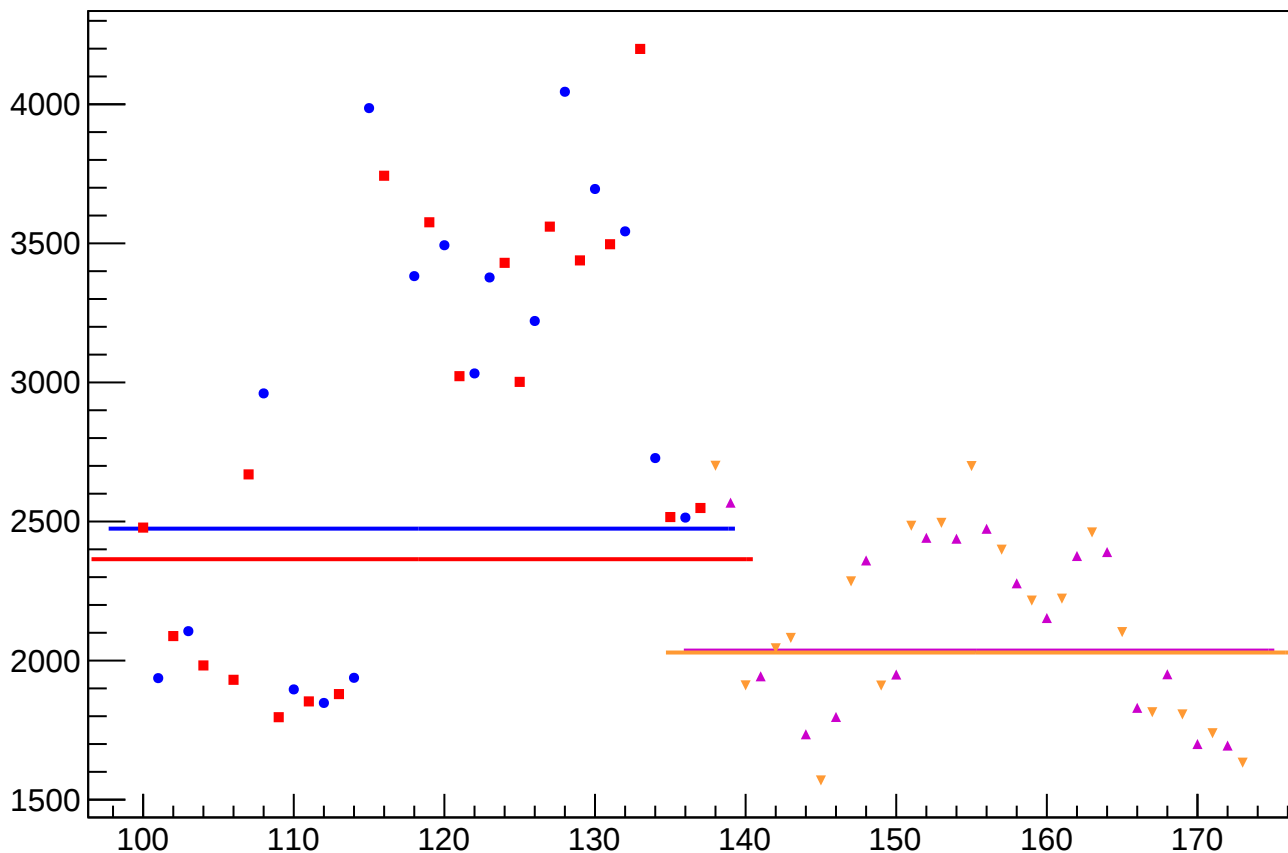
Right: -664.120 $\pm$ 676.282 χ^2/NDF : 36.7/35

In: 149.514 $\pm$ 490.388 χ^2/NDF : 43.3/33

Out: 1815.407 $\pm$ 469.858 χ^2/NDF : 73.6/37

All: 1018.060 $\pm$ 339.265 χ^2/NDF : 122.9/71

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2474.389 $\pm$ 0.702 χ^2 /NDF: 906262.1/16

Left Out: 2029.021 $\pm$ 0.386 χ^2 /NDF: 747504.4/18

Right Out: 2364.507 $\pm$ 0.653 χ^2 /NDF: 1023402.8/18

Left In: 2035.957 $\pm$ 0.399 χ^2 /NDF: 546058.4/16

Left: 2032.375 $\pm$ 0.277 χ^2 /NDF: 1293719.1/35

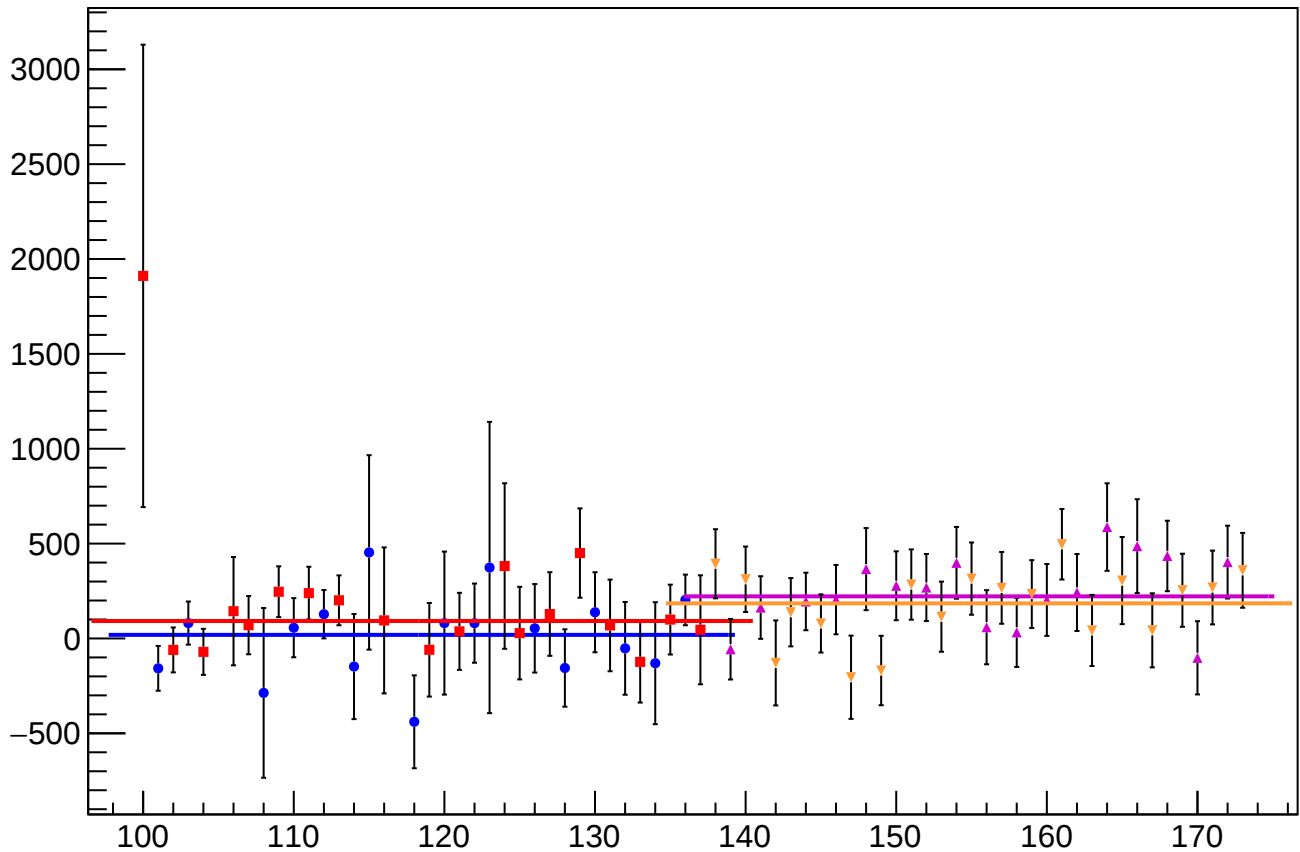
Right: 2415.527 $\pm$ 0.478 χ^2 /NDF: 1942797.3/35

In: 2142.995 $\pm$ 0.347 χ^2 /NDF: 1747327.4/33

Out: 2115.770 $\pm$ 0.332 χ^2 /NDF: 1966385.7/37

All: 2128.801 $\pm$ 0.240 χ^2 /NDF: 3716927.1/71

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 18.930 ± 46.147 $\chi^2/\text{NDF}: 12.0/16$

Left Out: 184.977 ± 43.251 $\chi^2/\text{NDF}: 17.7/18$

Right Out: 91.993 ± 42.693 $\chi^2/\text{NDF}: 13.2/18$

Left In: 221.847 ± 45.286 $\chi^2/\text{NDF}: 15.2/16$

Left: 202.565 ± 31.278 $\chi^2/\text{NDF}: 33.2/35$

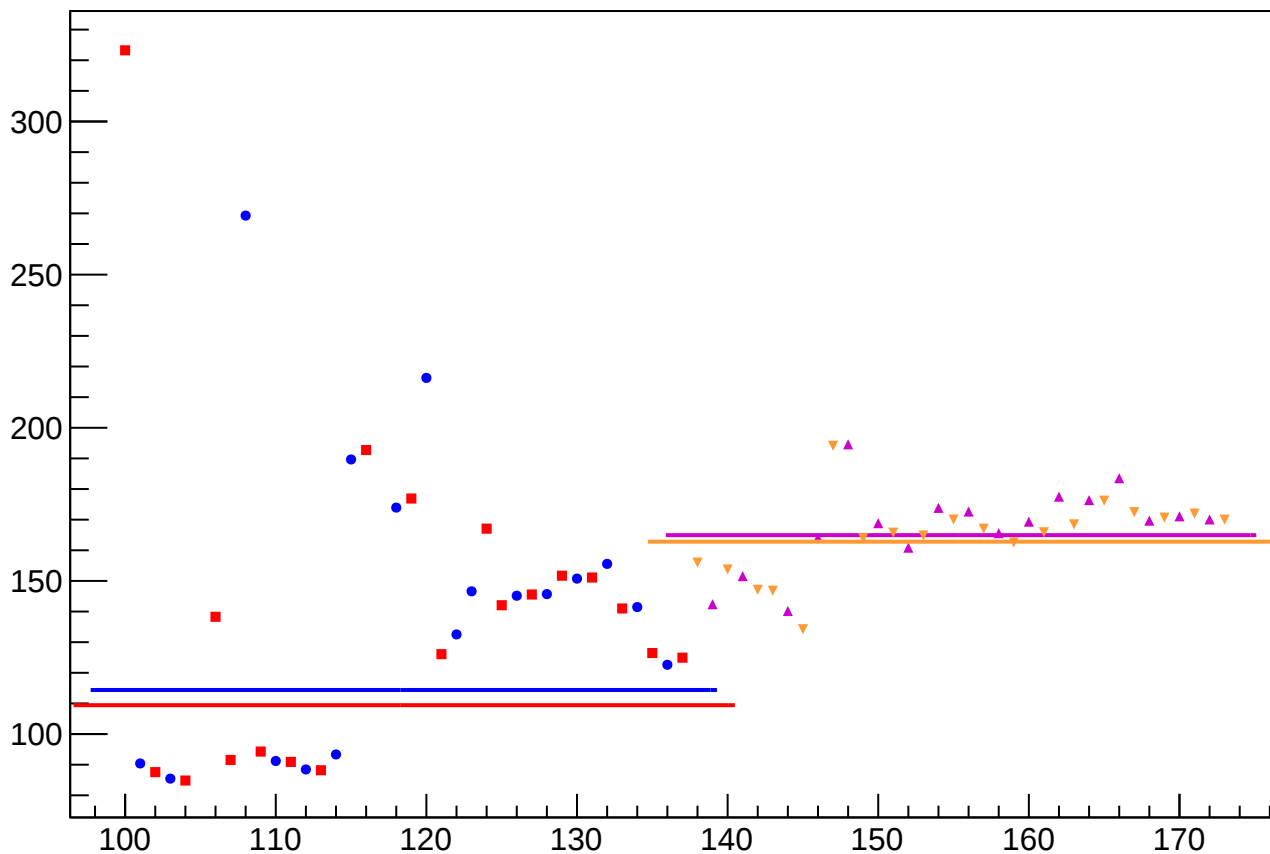
Right: 58.298 ± 31.339 $\chi^2/\text{NDF}: 26.5/35$

In: 122.299 ± 32.322 $\chi^2/\text{NDF}: 37.0/33$

Out: 137.882 ± 30.384 $\chi^2/\text{NDF}: 33.3/37$

All: 130.572 ± 22.138 $\chi^2/\text{NDF}: 70.4/71$

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 114.391 $\pm$ 0.033 χ^2/NDF : 1136702.0/16

Left Out: 162.813 $\pm$ 0.031 χ^2/NDF : 173347.8/18

Right Out: 109.428 $\pm$ 0.030 χ^2/NDF : 944386.0/18

Left In: 164.945 $\pm$ 0.032 χ^2/NDF : 183482.7/16

Left: 163.830 $\pm$ 0.022 χ^2/NDF : 359150.0/35

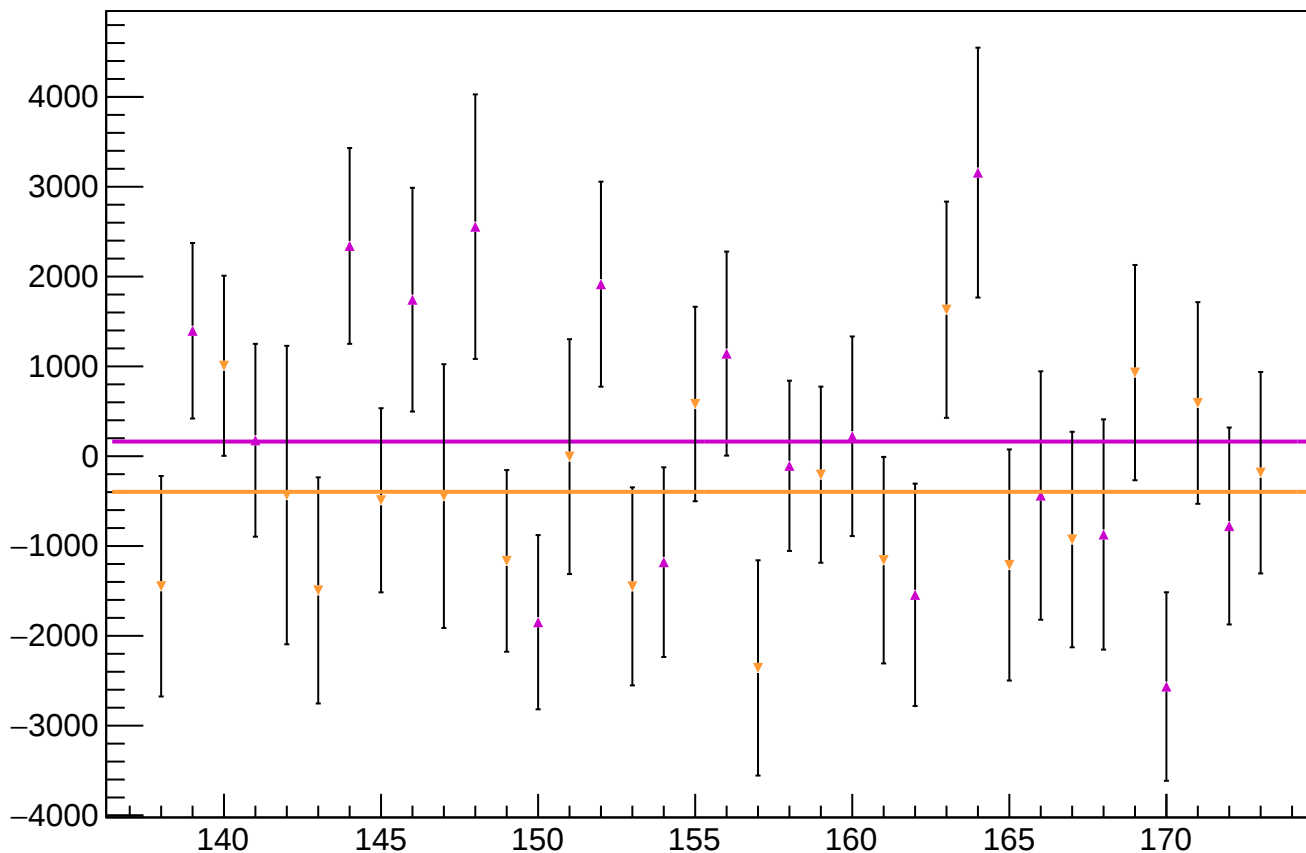
Right: 111.717 $\pm$ 0.022 χ^2/NDF : 2093555.7/35

In: 140.144 $\pm$ 0.023 χ^2/NDF : 2542896.8/33

Out: 135.774 $\pm$ 0.021 χ^2/NDF : 2661032.1/37

All: 137.824 $\pm$ 0.016 χ^2/NDF : 5223338.6/71

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -396.640 ± 266.580 $\chi^2/\text{NDF}: 14.5/18$

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

Left In: 163.057 ± 273.905 $\chi^2/\text{NDF}: 33.8/16$

Left: -124.375 ± 191.038 $\chi^2/\text{NDF}: 50.4/35$

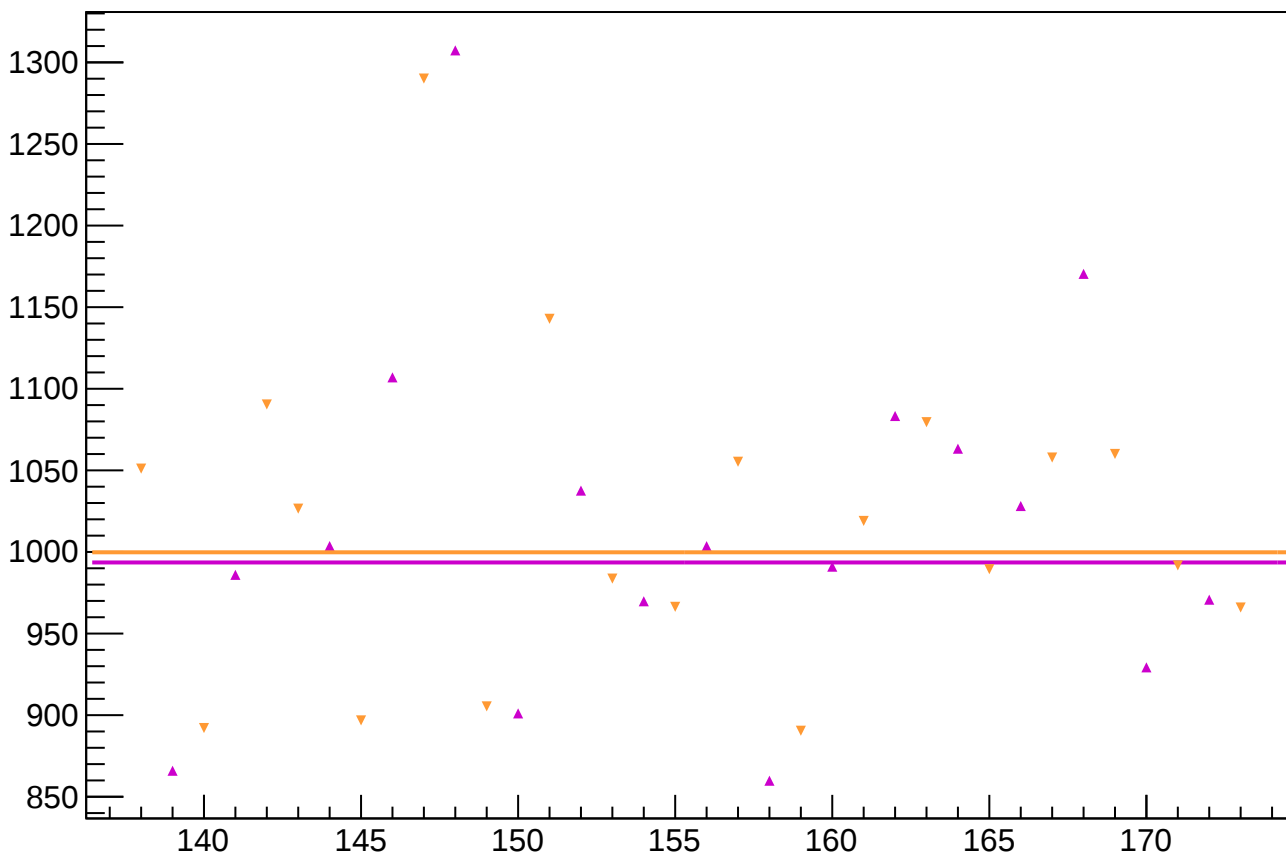
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 163.057 ± 273.905 $\chi^2/\text{NDF}: 33.8/16$

Out: -396.640 ± 266.580 $\chi^2/\text{NDF}: 14.5/18$

All: -124.375 ± 191.038 $\chi^2/\text{NDF}: 50.4/35$

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 999.797+/-0.189 χ^2/NDF :225732.4/18

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

Left In: 993.565+/-0.194 χ^2/NDF :267166.4/16

Left: 996.765+/-0.135 χ^2/NDF : 493430.3/35

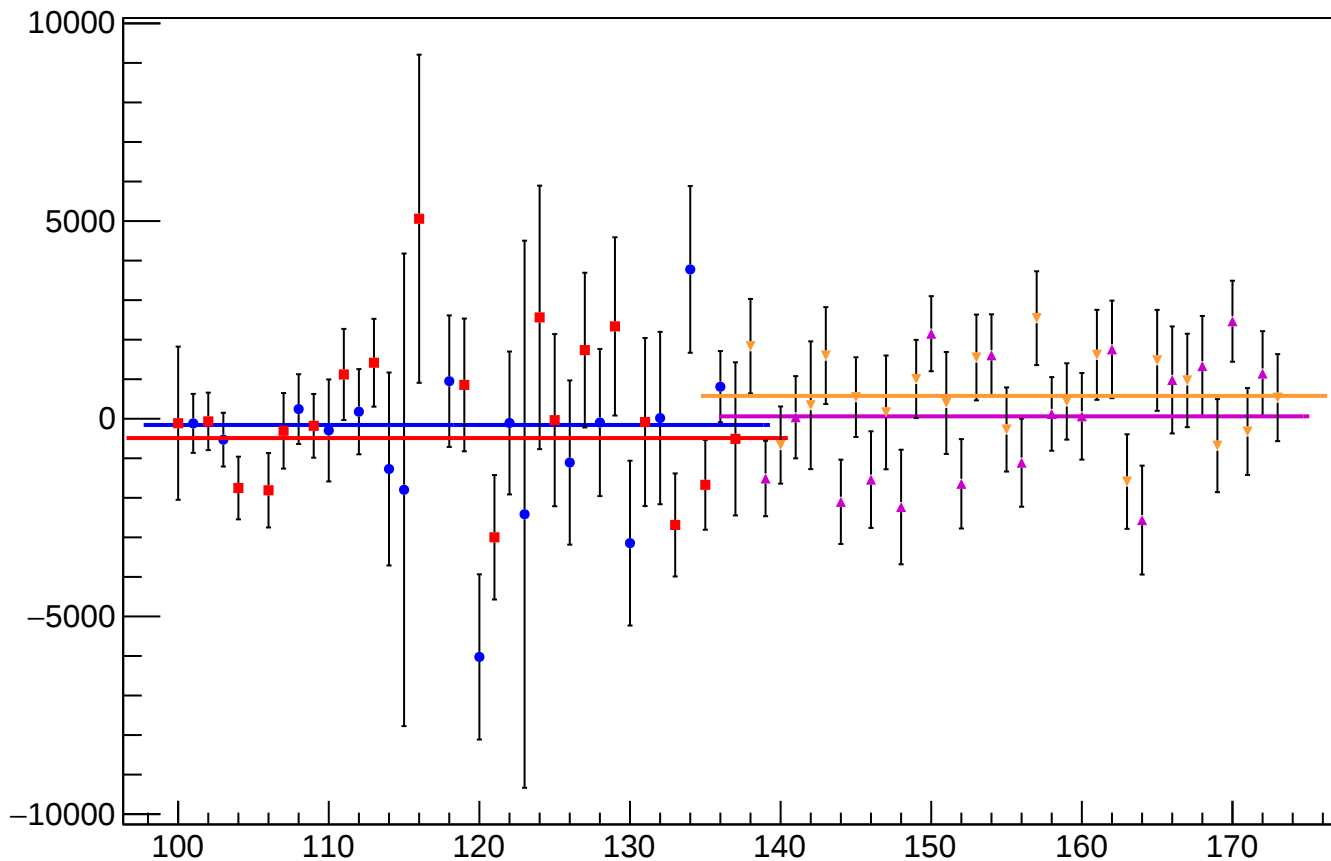
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 993.565+/-0.194 χ^2/NDF :267166.4/16

Out: 999.797+/-0.189 χ^2/NDF :225732.4/18

All: 996.765+/-0.135 χ^2/NDF : 493430.3/35

asym_sam5_mean vs Slug, Sign Corrected



Right In: -157.178 ± 312.499 $\chi^2/\text{NDF}: 16.2/16$

Left Out: 578.633 ± 261.900 $\chi^2/\text{NDF}: 14.5/18$

Right Out: -488.583 ± 282.758 $\chi^2/\text{NDF}: 22.6/18$

Left In: 60.748 ± 268.783 $\chi^2/\text{NDF}: 35.0/16$

Left: 326.406 ± 187.578 $\chi^2/\text{NDF}: 51.4/35$

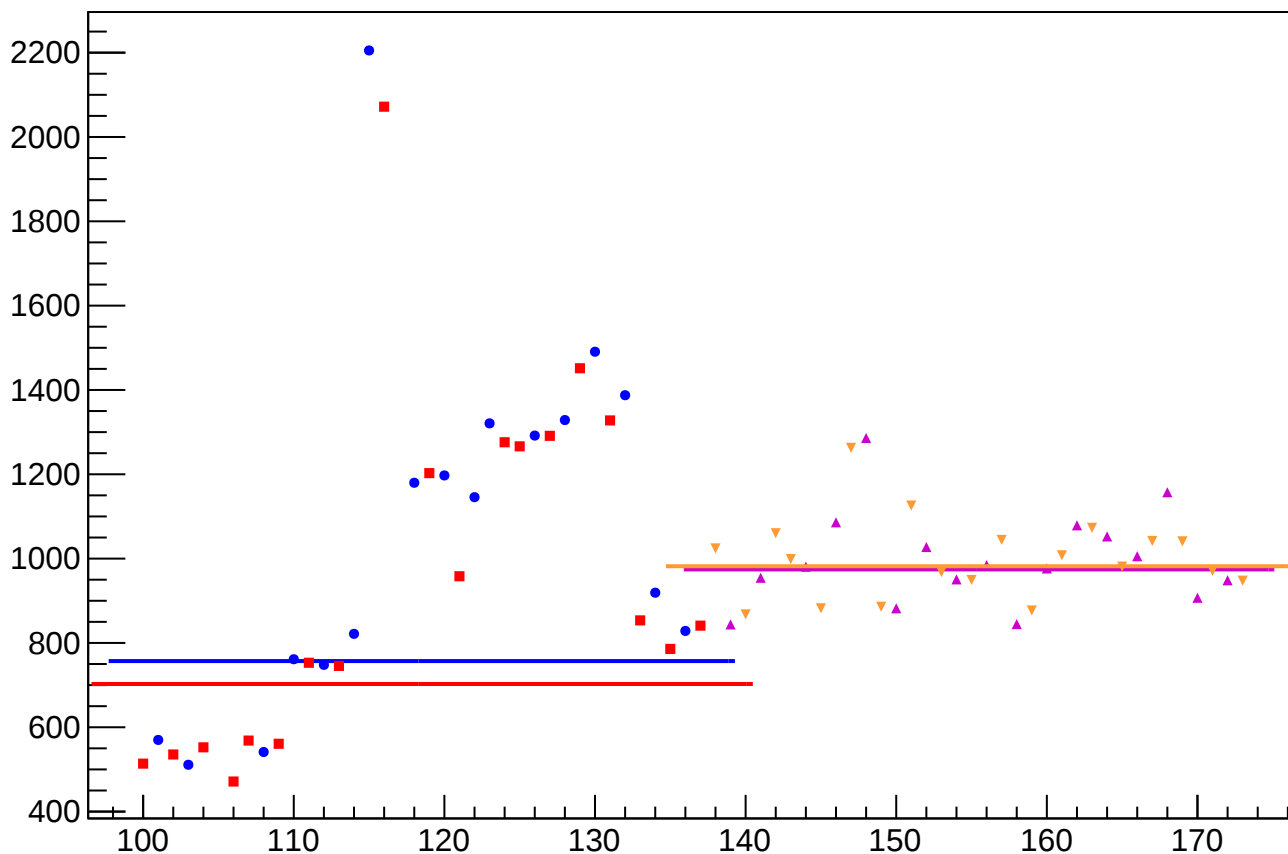
Right: -339.397 ± 209.669 $\chi^2/\text{NDF}: 39.5/35$

In: -31.918 ± 203.777 $\chi^2/\text{NDF}: 51.5/33$

Out: 85.835 ± 192.143 $\chi^2/\text{NDF}: 44.8/37$

All: 30.416 ± 139.797 $\chi^2/\text{NDF}: 96.5/71$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 756.985+/-0.221 χ^2/NDF : 1711285.9/16

Left Out: 981.891+/-0.185 χ^2/NDF : 230749.4/18

Right Out: 702.656+/-0.200 χ^2/NDF : 1689579.7/18

Left In: 974.373+/-0.190 χ^2/NDF : 284038.0/16

Left: 978.229+/-0.133 χ^2/NDF : 515589.9/35

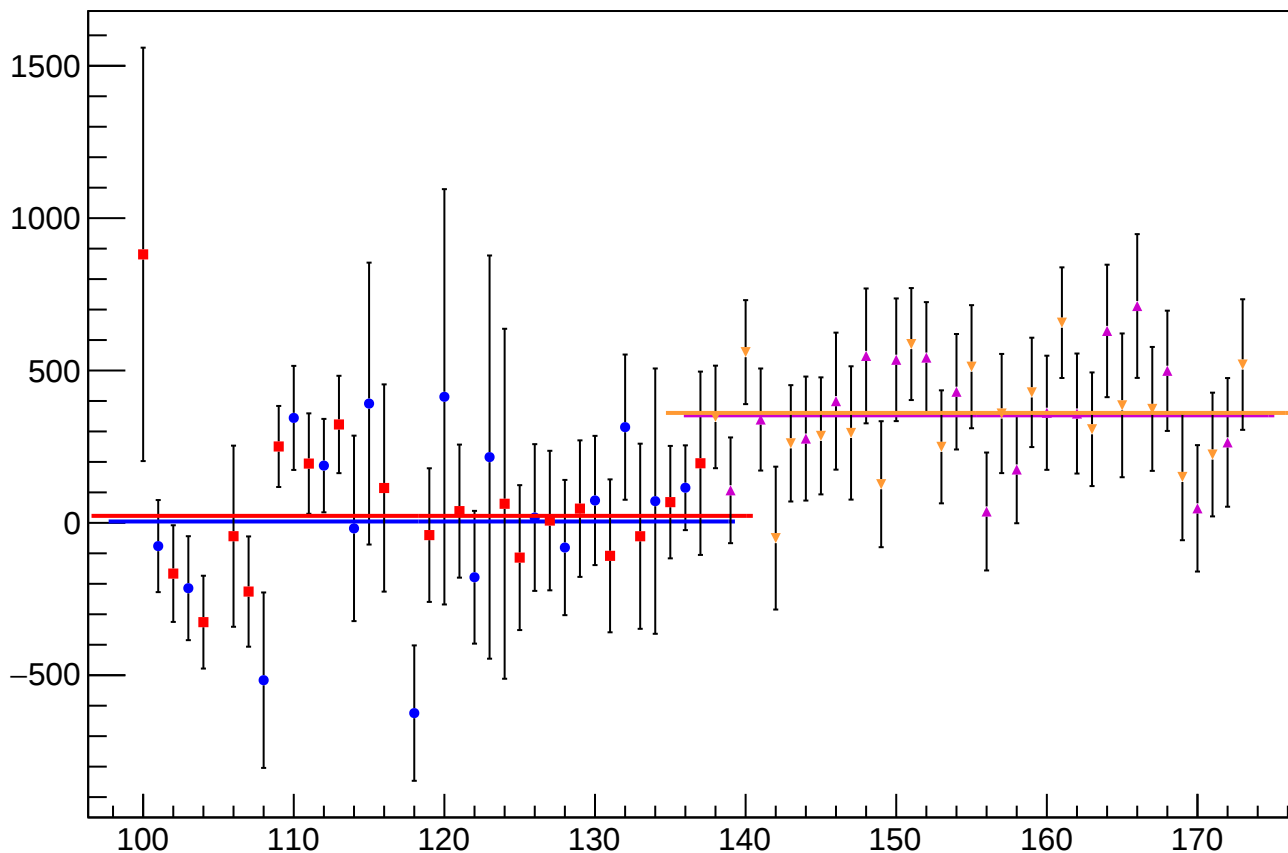
Right: 727.113+/-0.148 χ^2/NDF : 3434103.1/35

In: 881.936+/-0.144 χ^2/NDF : 2551622.6/33

Out: 852.951+/-0.136 χ^2/NDF : 2970145.6/37

All: 866.593+/-0.099 χ^2/NDF : 5543188.2/71

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: 4.533 ± 52.509 $\chi^2/\text{NDF}: 23.1/16$

Left Out: 360.777 ± 44.831 $\chi^2/\text{NDF}: 13.6/18$

Right Out: 22.985 ± 47.854 $\chi^2/\text{NDF}: 19.0/18$

Left In: 352.899 ± 47.698 $\chi^2/\text{NDF}: 15.6/16$

Left: 357.082 ± 32.667 $\chi^2/\text{NDF}: 29.2/35$

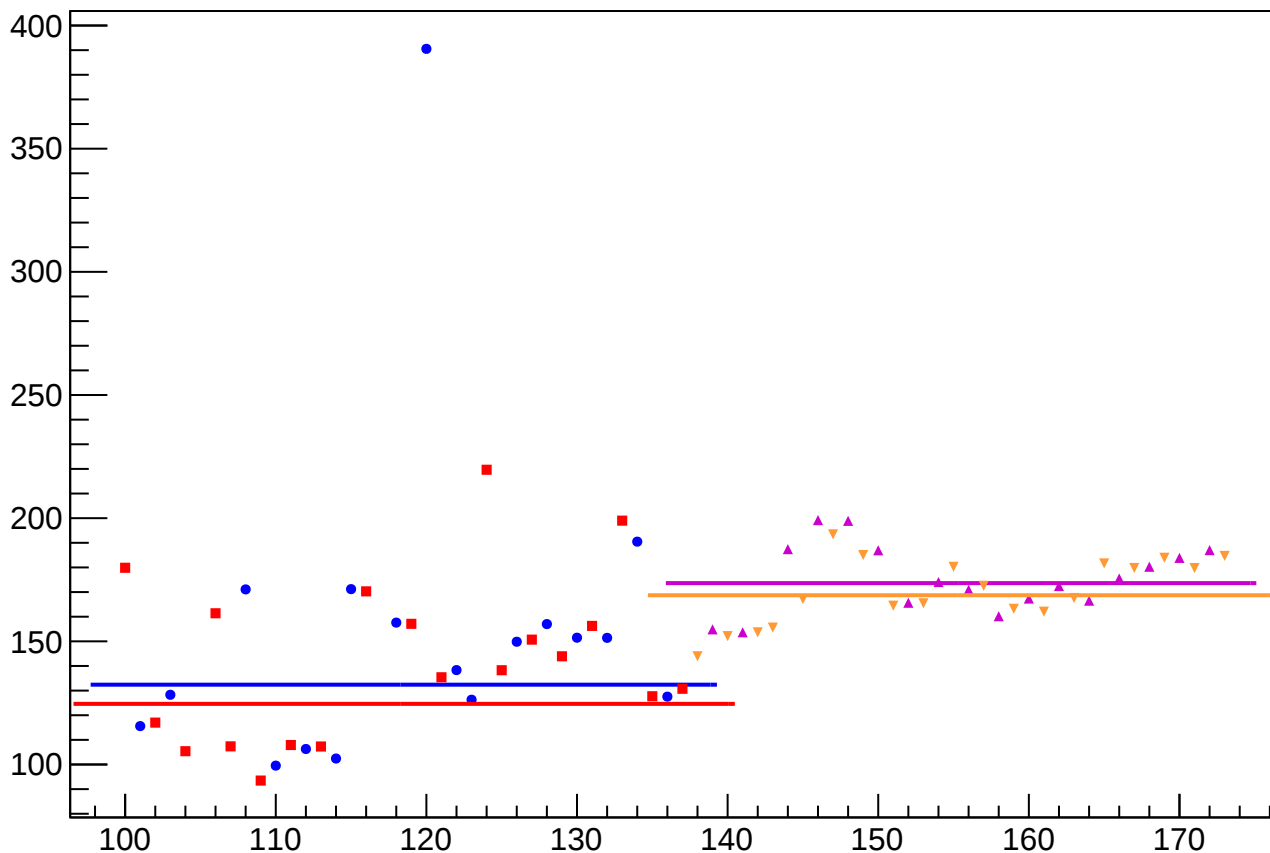
Right: 14.613 ± 35.370 $\chi^2/\text{NDF}: 42.1/35$

In: 195.403 ± 35.306 $\chi^2/\text{NDF}: 62.8/33$

Out: 202.886 ± 32.717 $\chi^2/\text{NDF}: 59.1/37$

All: 199.429 ± 23.998 $\chi^2/\text{NDF}: 121.9/71$

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 132.404 $\pm$ 0.037 χ^2 /NDF: 643884.8/16

Left Out: 168.718 $\pm$ 0.032 χ^2 /NDF:171480.2/18

Right Out: 124.620 $\pm$ 0.034 χ^2 /NDF: 592322.9/18

Left In: 173.638 $\pm$ 0.034 χ^2 /NDF:157385.6/16

Left: 171.026 $\pm$ 0.023 χ^2 /NDF: 340163.6/35

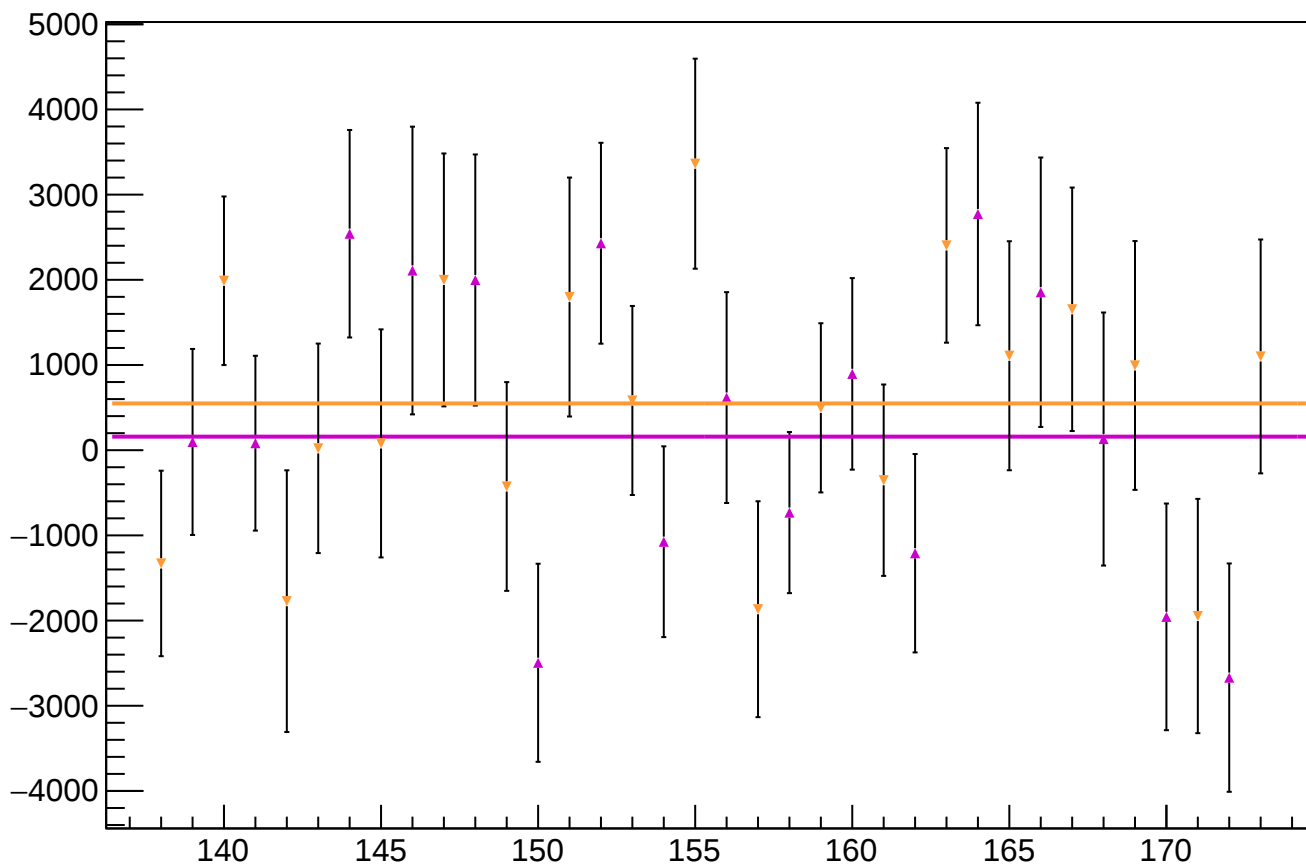
Right: 128.152 $\pm$ 0.025 χ^2 /NDF: 1260220.4/35

In: 154.996 $\pm$ 0.025 χ^2 /NDF:1476973.9/33

Out: 148.106 $\pm$ 0.023 χ^2 /NDF:1668312.5/37

All: 151.289 $\pm$ 0.017 χ^2 /NDF: 3186273.0/71

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 548.888+/-284.282 χ^2/NDF :26.5/18

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

Left In: 159.041+/-296.283 χ^2/NDF :31.8/16

Left: 362.020+/-205.129 χ^2/NDF : 59.2/35

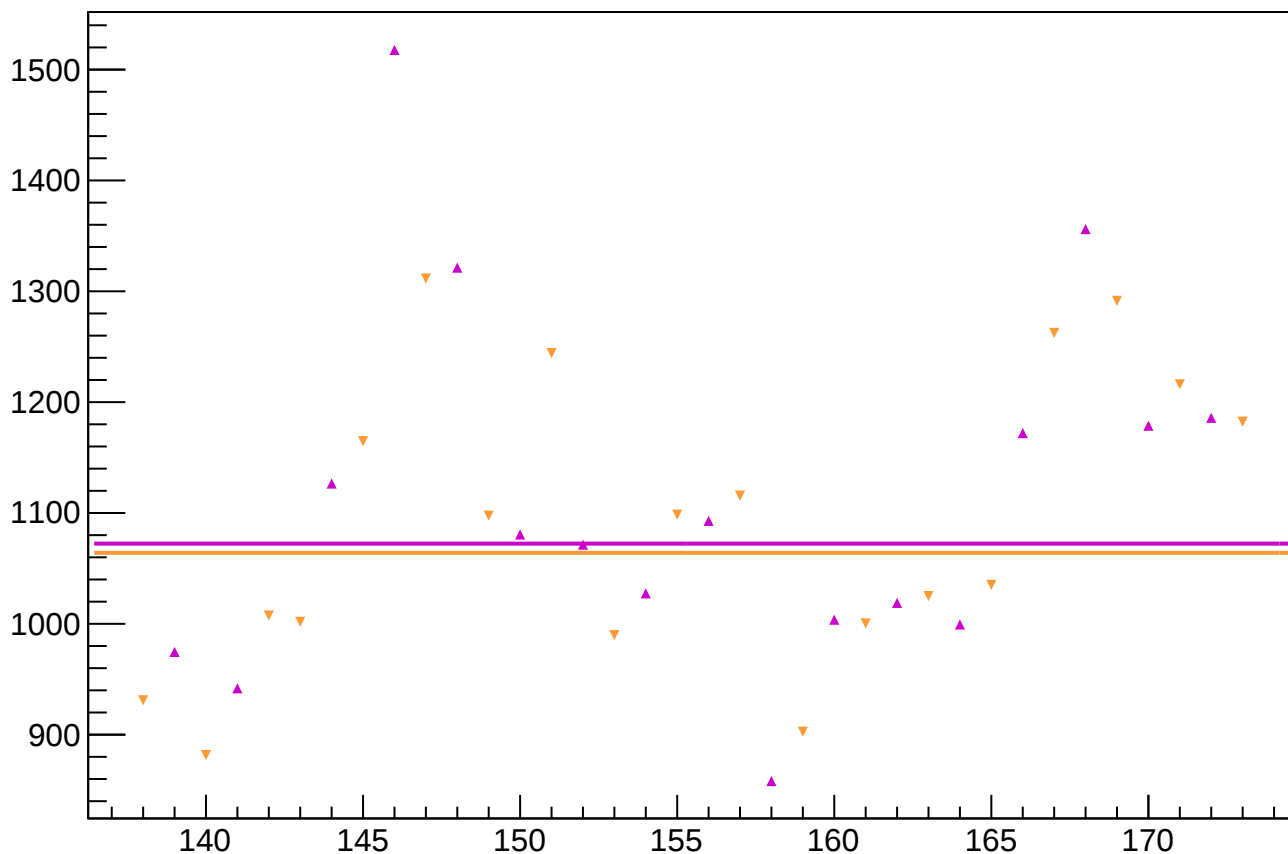
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 159.041+/-296.283 χ^2/NDF :31.8/16

Out: 548.888+/-284.282 χ^2/NDF :26.5/18

All: 362.020+/-205.129 χ^2/NDF : 59.2/35

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1064.077+/-0.201 χ^2/NDF : 409741.3/18

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

Left In: 1072.366+/-0.210 χ^2/NDF : 480976.6/16

Left: 1068.050+/-0.145 χ^2/NDF : 891533.0/35

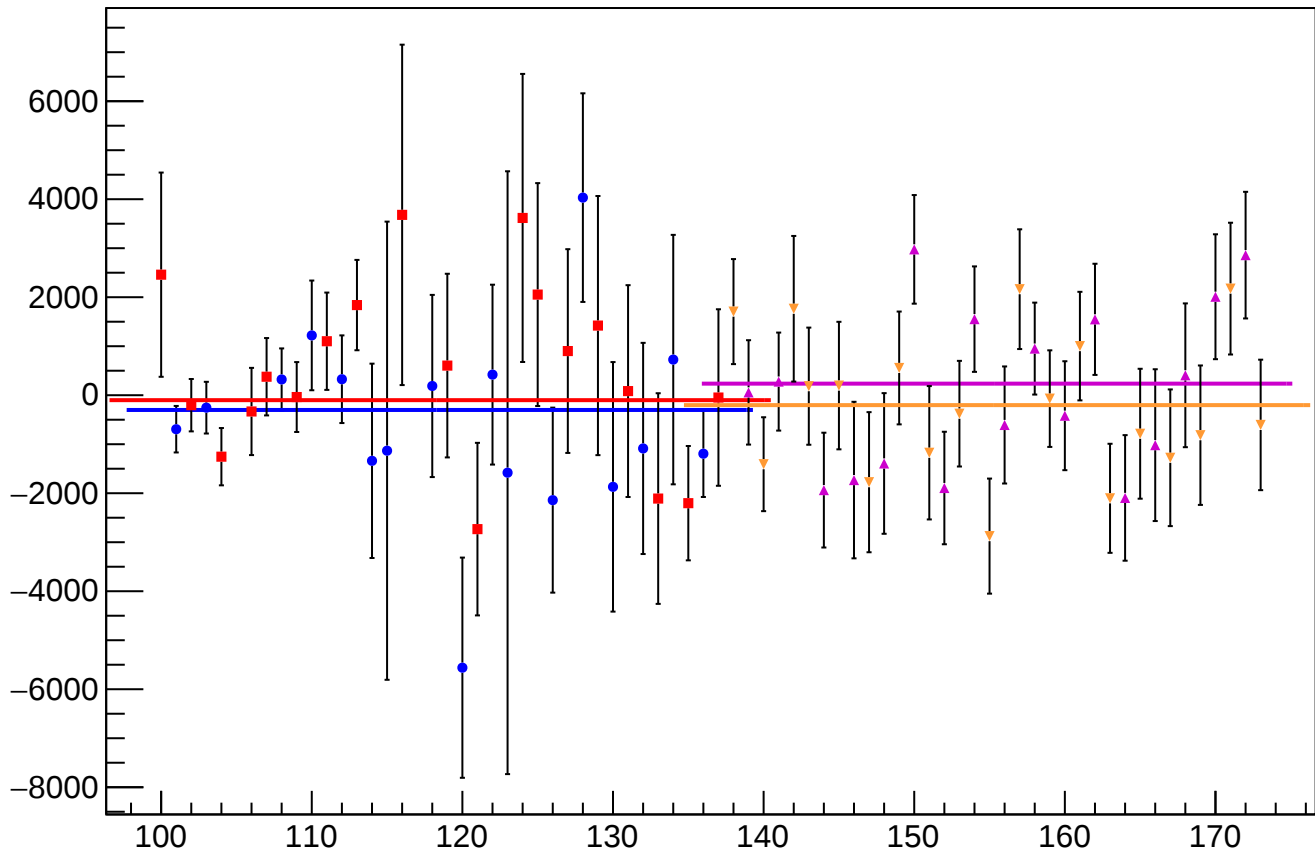
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1072.366+/-0.210 χ^2/NDF : 480976.6/16

Out: 1064.077+/-0.201 χ^2/NDF : 409741.3/18

All: 1068.050+/-0.145 χ^2/NDF : 891533.0/35

asym_sam6_mean vs Slug, Sign Corrected



Right In: -301.000 ± 250.042 χ^2/NDF : 16.8/16

Left Out: -202.103 ± 276.401 χ^2/NDF : 26.1/18

Right Out: -100.857 ± 245.981 χ^2/NDF : 22.5/18

Left In: 236.230 ± 288.045 χ^2/NDF : 30.1/16

Left: 8.025 ± 199.434 χ^2/NDF : 57.5/35

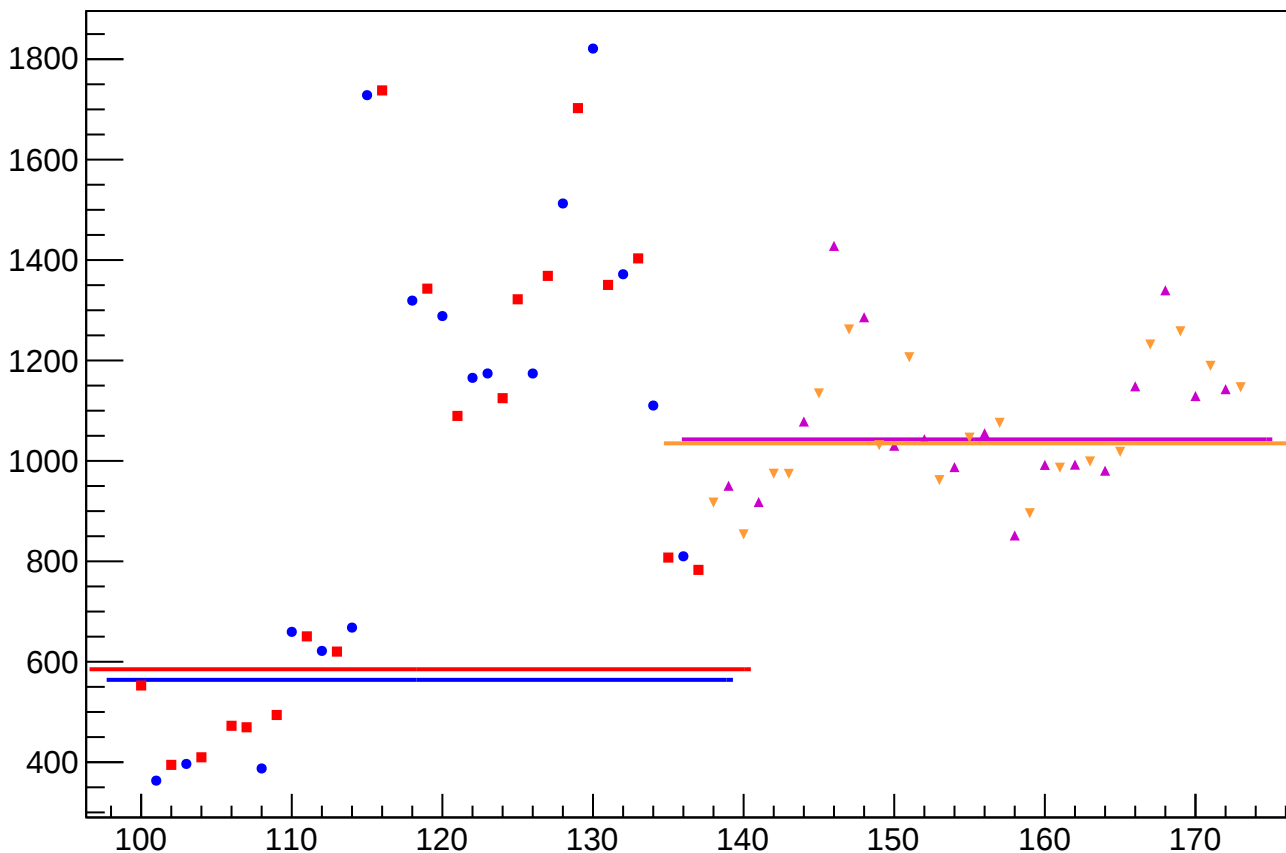
Right: -199.290 ± 175.353 χ^2/NDF : 39.7/35

In: -70.138 ± 188.823 χ^2/NDF : 49.0/33

Out: -145.604 ± 183.752 χ^2/NDF : 48.7/37

All: -108.898 ± 131.689 χ^2/NDF : 97.8/71

asym_sam6_rms vs Slug, Sign Corrected



Right In: 564.003 $\pm$ 0.177 χ^2 /NDF: 3261491.3/16

Left Out: 1034.974 $\pm$ 0.195 χ^2 /NDF: 385313.9/18

Right Out: 585.070 $\pm$ 0.174 χ^2 /NDF: 2820837.8/18

Left In: 1042.824 $\pm$ 0.204 χ^2 /NDF: 435957.4/16

Left: 1038.737 $\pm$ 0.141 χ^2 /NDF: 822044.6/35

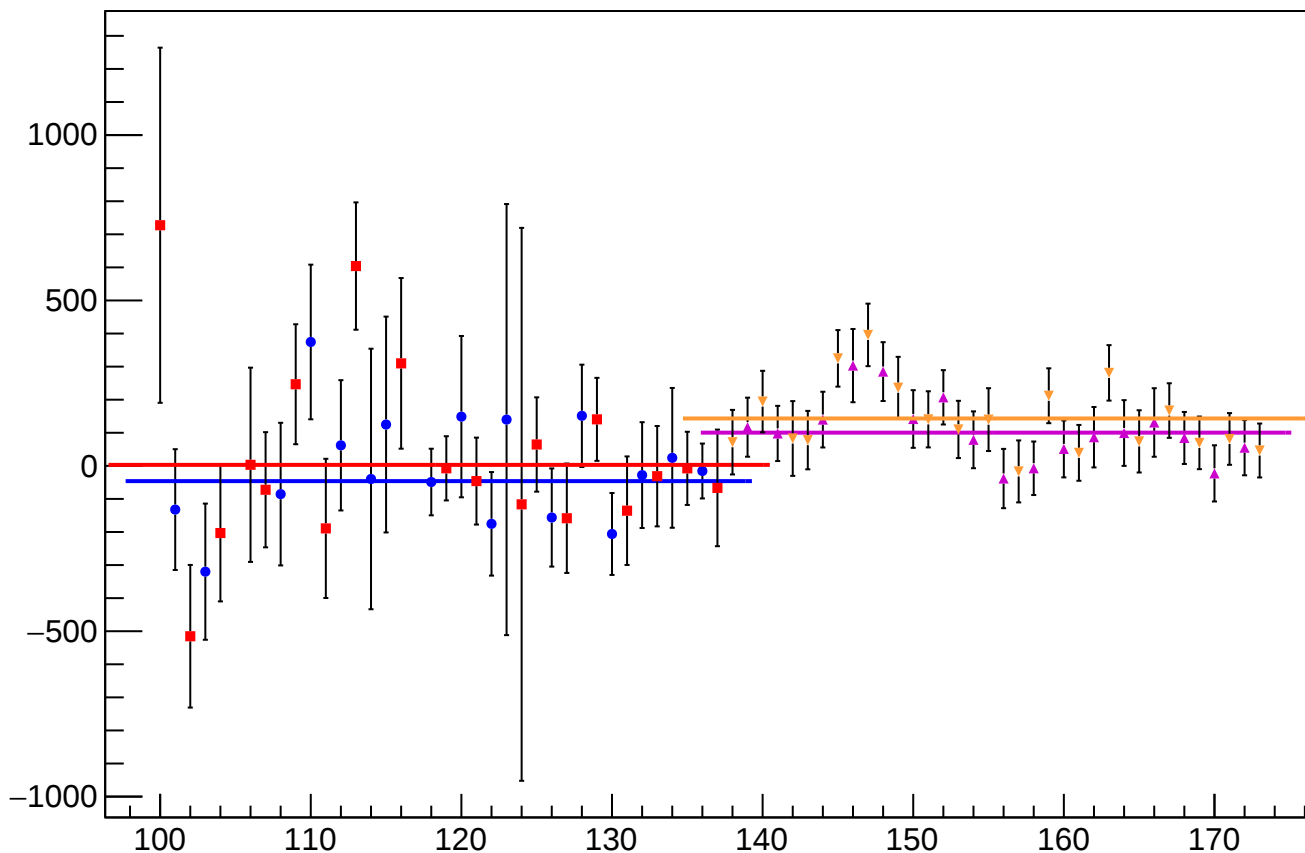
Right: 574.709 $\pm$ 0.124 χ^2 /NDF: 6089543.5/35

In: 769.765 $\pm$ 0.134 χ^2 /NDF: 6849108.7/33

Out: 783.911 $\pm$ 0.130 χ^2 /NDF: 6163171.5/37

All: 777.030 $\pm$ 0.093 χ^2 /NDF: 13018045.4/73

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -46.211 $\pm$ 39.137 χ^2 /NDF: 11.3/16

Left Out: 143.225 $\pm$ 20.212 χ^2 /NDF:25.8/18

Right Out: 2.942 $\pm$ 37.872 χ^2 /NDF: 26.0/18

Left In: 100.354 $\pm$ 21.301 χ^2 /NDF:16.9/16

Left: 122.914 $\pm$ 14.662 χ^2 /NDF: 44.9/35

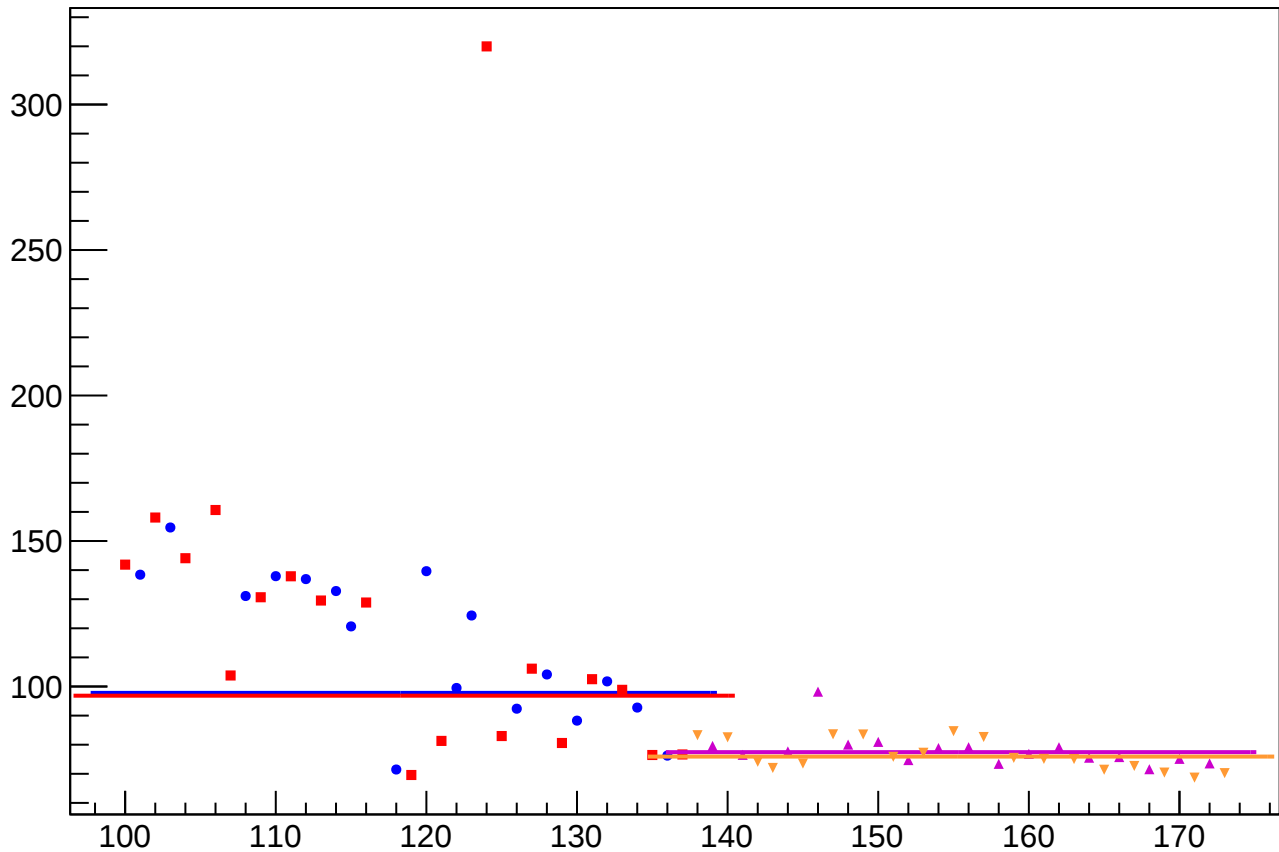
Right: -20.827 $\pm$ 27.216 χ^2 /NDF: 38.2/35

In: 66.858 $\pm$ 18.710 χ^2 /NDF:39.1/33

Out: 112.128 $\pm$ 17.831 χ^2 /NDF:62.5/37

All: 90.580 $\pm$ 12.908 χ^2 /NDF: 104.7/71

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 97.807 $\pm$ 0.028 χ^2 /NDF: 816964.4/16

Left Out: 75.918 $\pm$ 0.014 χ^2 /NDF: 126037.5/18

Right Out: 96.842 $\pm$ 0.027 χ^2 /NDF: 1095471.1/18

Left In: 77.442 $\pm$ 0.015 χ^2 /NDF: 104186.1/16

Left: 76.640 $\pm$ 0.010 χ^2 /NDF: 235609.7/35

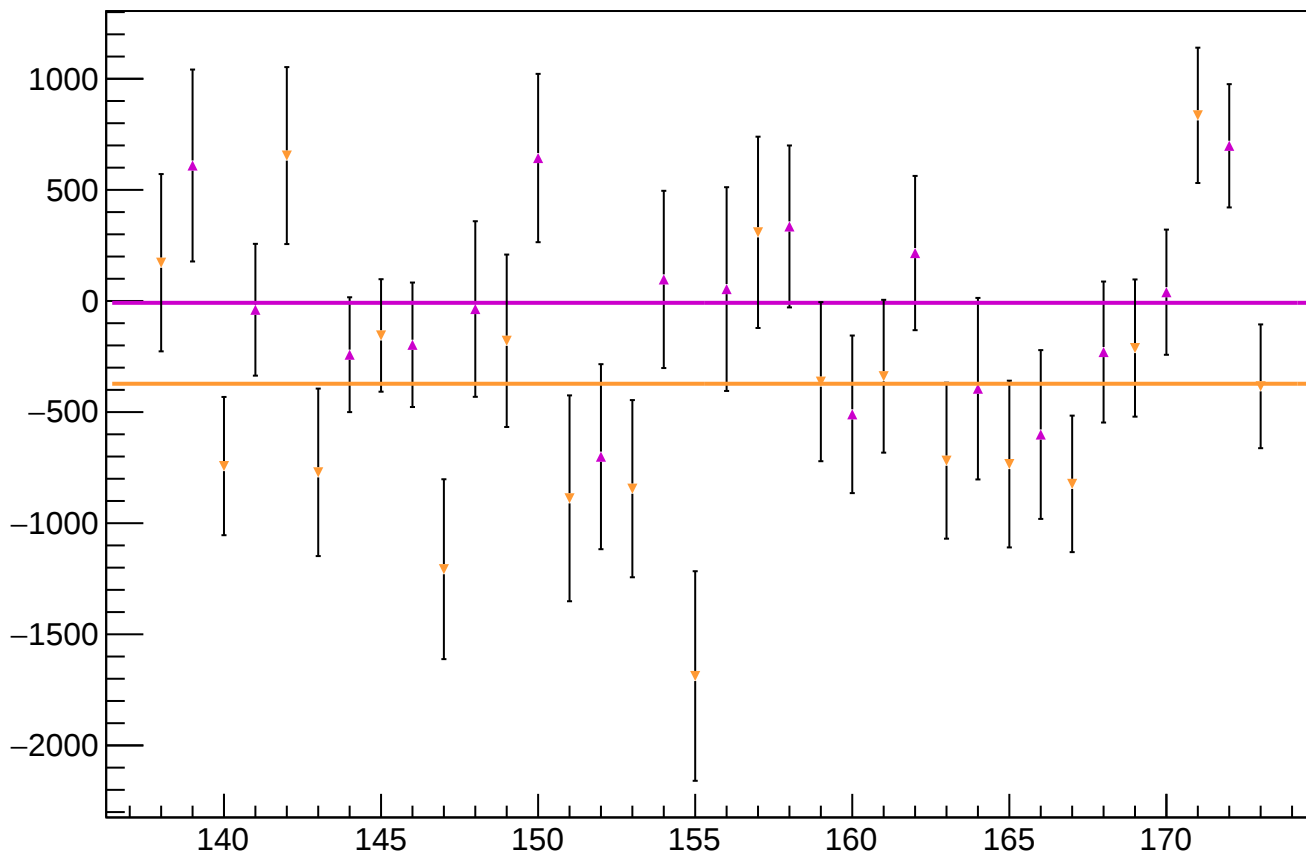
Right: 97.309 $\pm$ 0.019 χ^2 /NDF: 1913063.7/35

In: 82.096 $\pm$ 0.013 χ^2 /NDF: 1338931.3/33

Out: 80.556 $\pm$ 0.013 χ^2 /NDF: 1696656.5/37

All: 81.289 $\pm$ 0.009 χ^2 /NDF: 3042685.5/71

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -372.446+/-80.214 χ^2/NDF :49.3/18

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

Left In: -8.256+/-82.508 χ^2/NDF :22.8/16

Left: -195.485+/-57.514 χ^2/NDF : 82.1/35

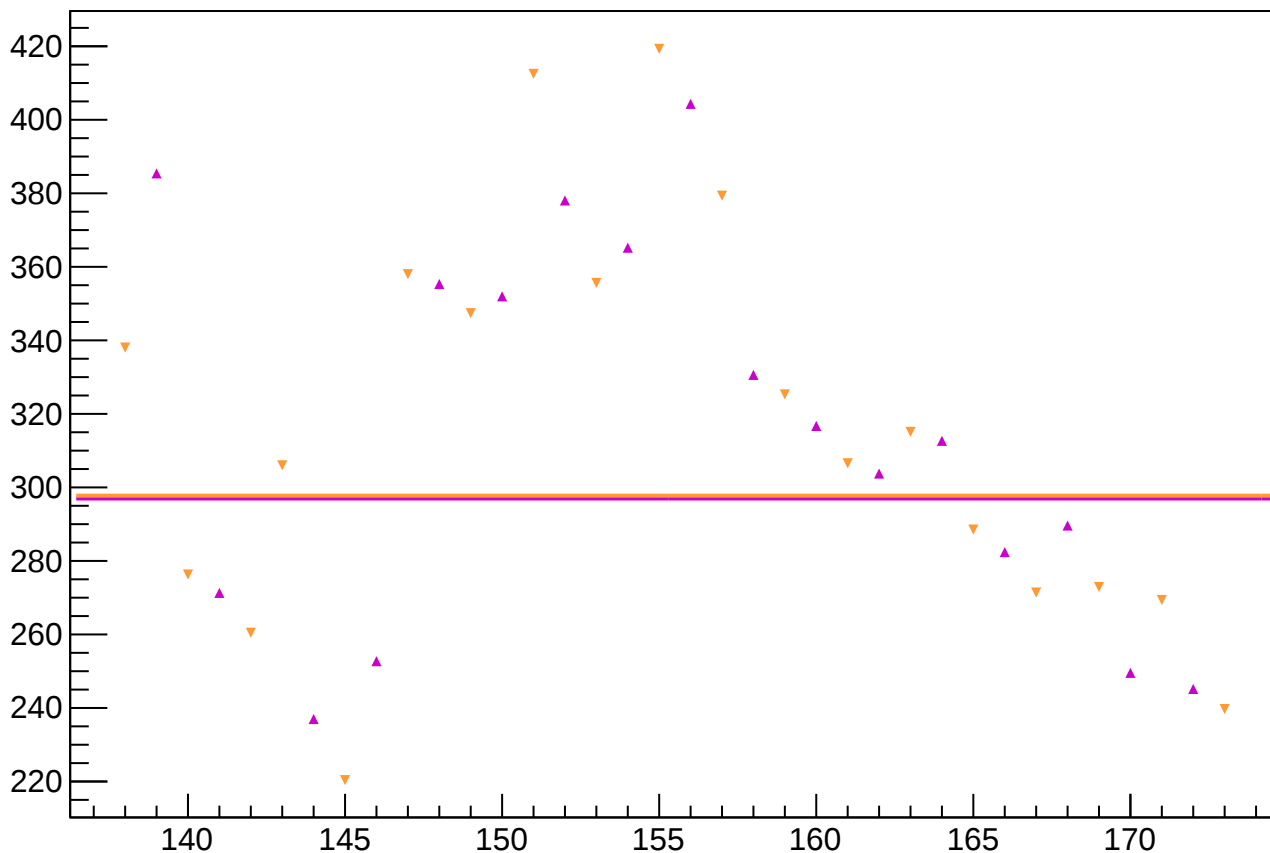
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.256+/-82.508 χ^2/NDF :22.8/16

Out: -372.446+/-80.214 χ^2/NDF :49.3/18

All: -195.485+/-57.514 χ^2/NDF : 82.1/35

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 297.758+/-0.057 χ^2/NDF :833113.9/18

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

Left In: 296.981+/-0.058 χ^2/NDF :743826.4/16

Left: 297.380+/-0.041 χ^2/NDF : 1577031.3/35

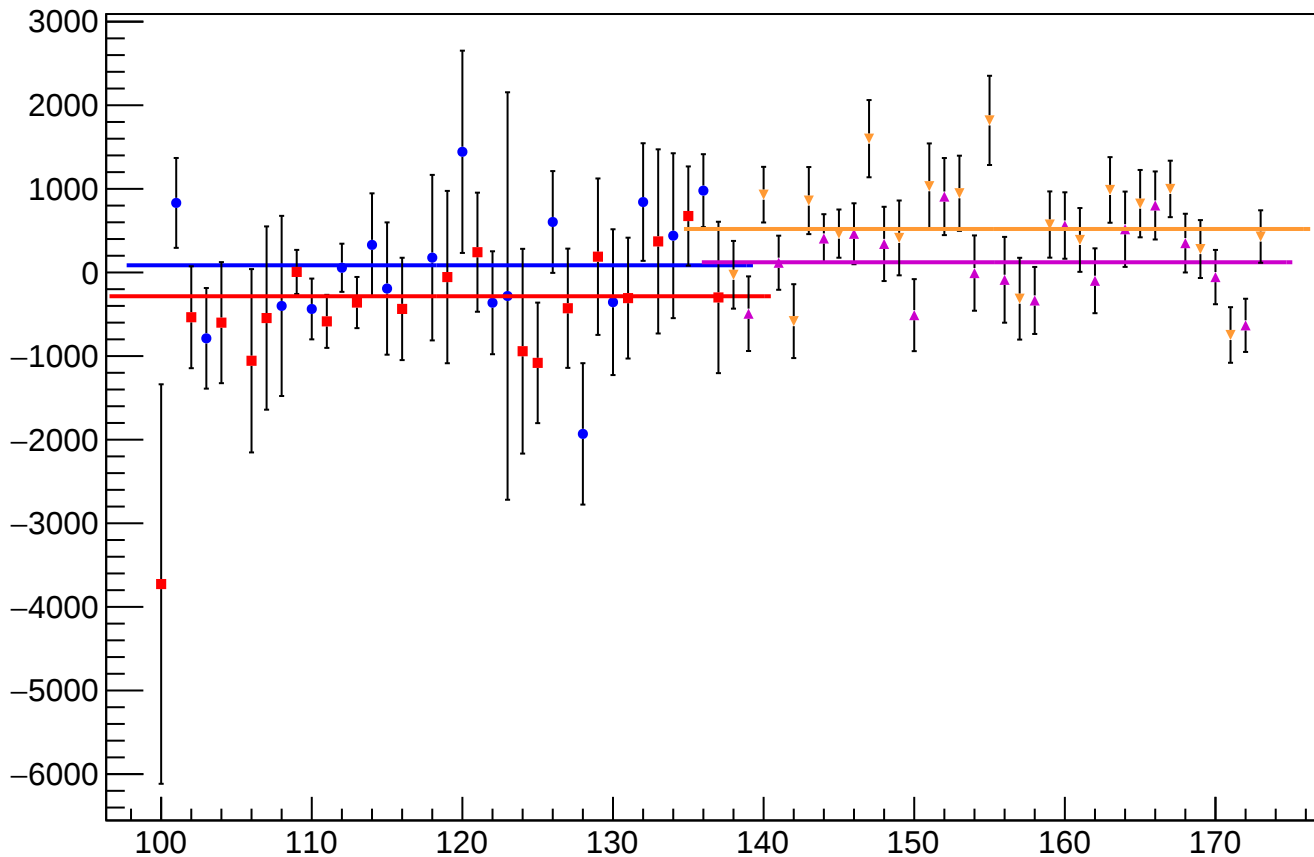
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 296.981+/-0.058 χ^2/NDF :743826.4/16

Out: 297.758+/-0.057 χ^2/NDF :833113.9/18

All: 297.380+/-0.041 χ^2/NDF : 1577031.3/35

asym_sam7_mean vs Slug, Sign Corrected



Right In: 85.810 ± 142.601 $\chi^2/\text{NDF}: 20.6/16$

Left Out: 520.169 ± 88.794 $\chi^2/\text{NDF}: 45.8/18$

Right Out: -284.456 ± 129.599 $\chi^2/\text{NDF}: 10.6/18$

Left In: 122.028 ± 93.059 $\chi^2/\text{NDF}: 22.0/16$

Left: 330.432 ± 64.242 $\chi^2/\text{NDF}: 77.4/35$

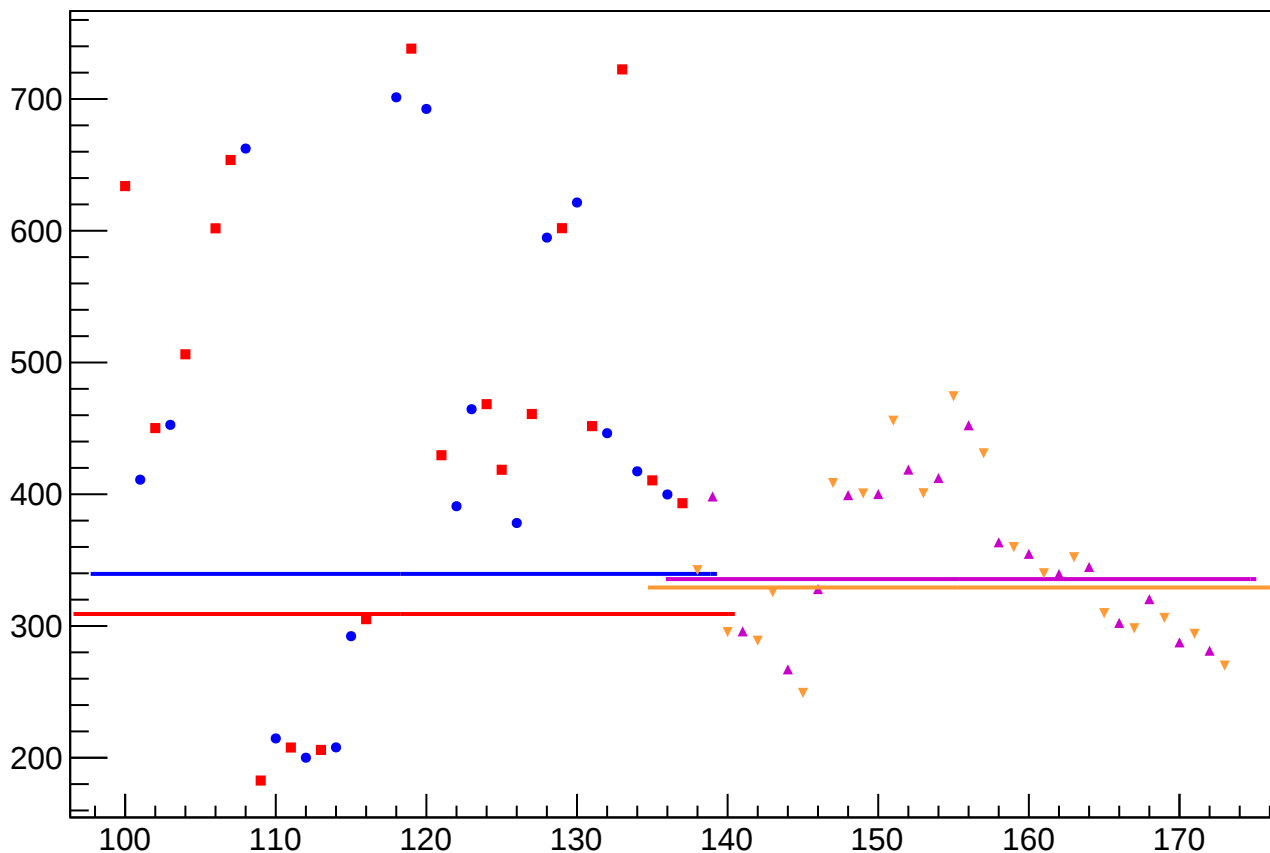
Right: -116.969 ± 95.908 $\chi^2/\text{NDF}: 34.9/35$

In: 111.210 ± 77.933 $\chi^2/\text{NDF}: 42.6/33$

Out: 263.124 ± 73.250 $\chi^2/\text{NDF}: 82.6/37$

All: 191.868 ± 53.374 $\chi^2/\text{NDF}: 127.3/71$

asym_sam7_rms vs Slug, Sign Corrected



Right In: 339.553 $\pm$ 0.101 χ^2 /NDF: 2042244.1/16

Left Out: 329.232 $\pm$ 0.063 χ^2 /NDF: 855675.5/18

Right Out: 309.105 $\pm$ 0.092 χ^2 /NDF: 2730308.7/18

Left In: 335.625 $\pm$ 0.066 χ^2 /NDF: 628917.4/16

Left: 332.279 $\pm$ 0.045 χ^2 /NDF: 1489534.7/35

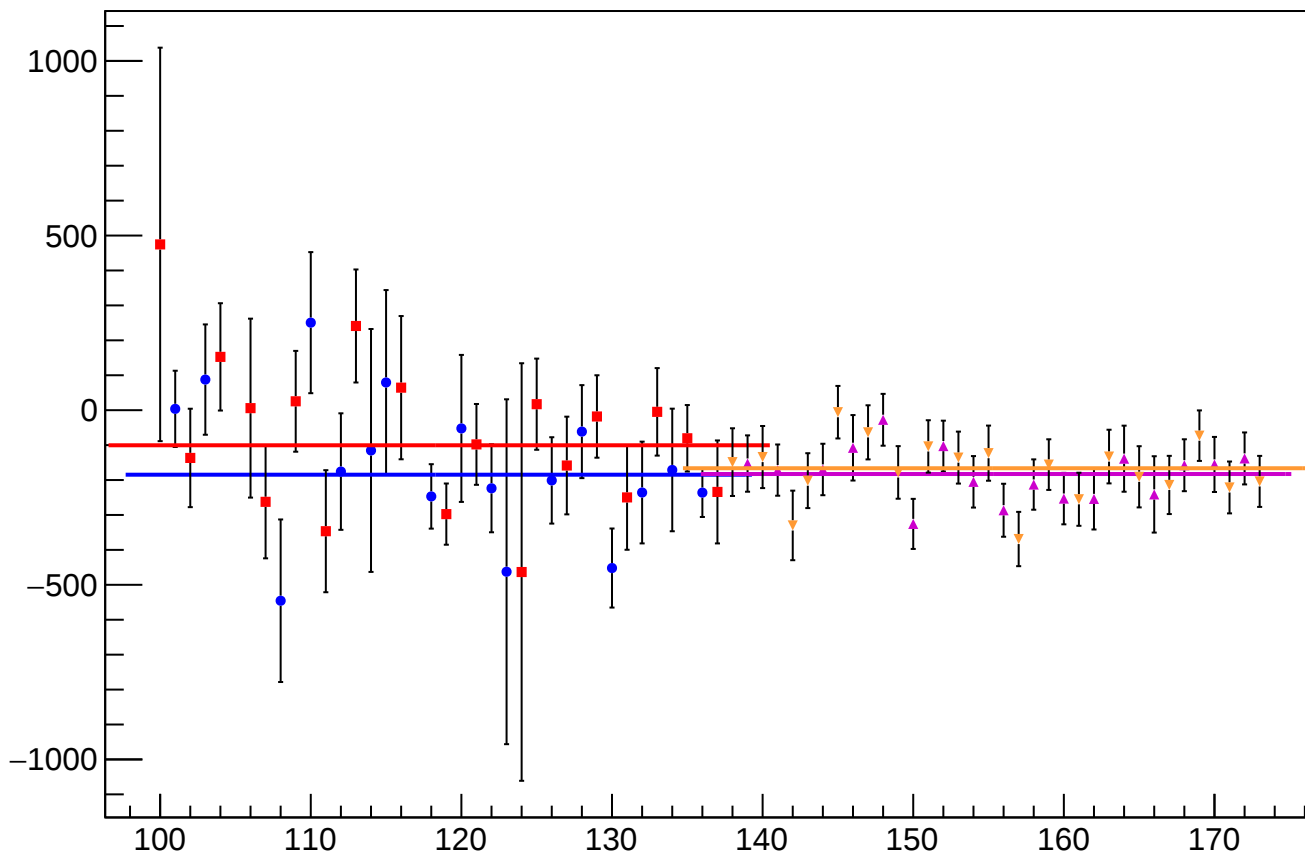
Right: 322.878 $\pm$ 0.068 χ^2 /NDF: 4822487.1/35

In: 336.798 $\pm$ 0.055 χ^2 /NDF: 2672225.2/33

Out: 322.802 $\pm$ 0.052 χ^2 /NDF: 3618810.6/37

All: 329.367 $\pm$ 0.038 χ^2 /NDF: 6325286.3/71

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -184.736 ± 33.009 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -166.228 ± 18.056 $\chi^2/\text{NDF}: 21.8/18$

Right Out: -100.491 ± 32.512 $\chi^2/\text{NDF}: 22.2/18$

Left In: -182.778 ± 18.946 $\chi^2/\text{NDF}: 15.2/16$

Left: -174.105 ± 13.071 $\chi^2/\text{NDF}: 37.4/35$

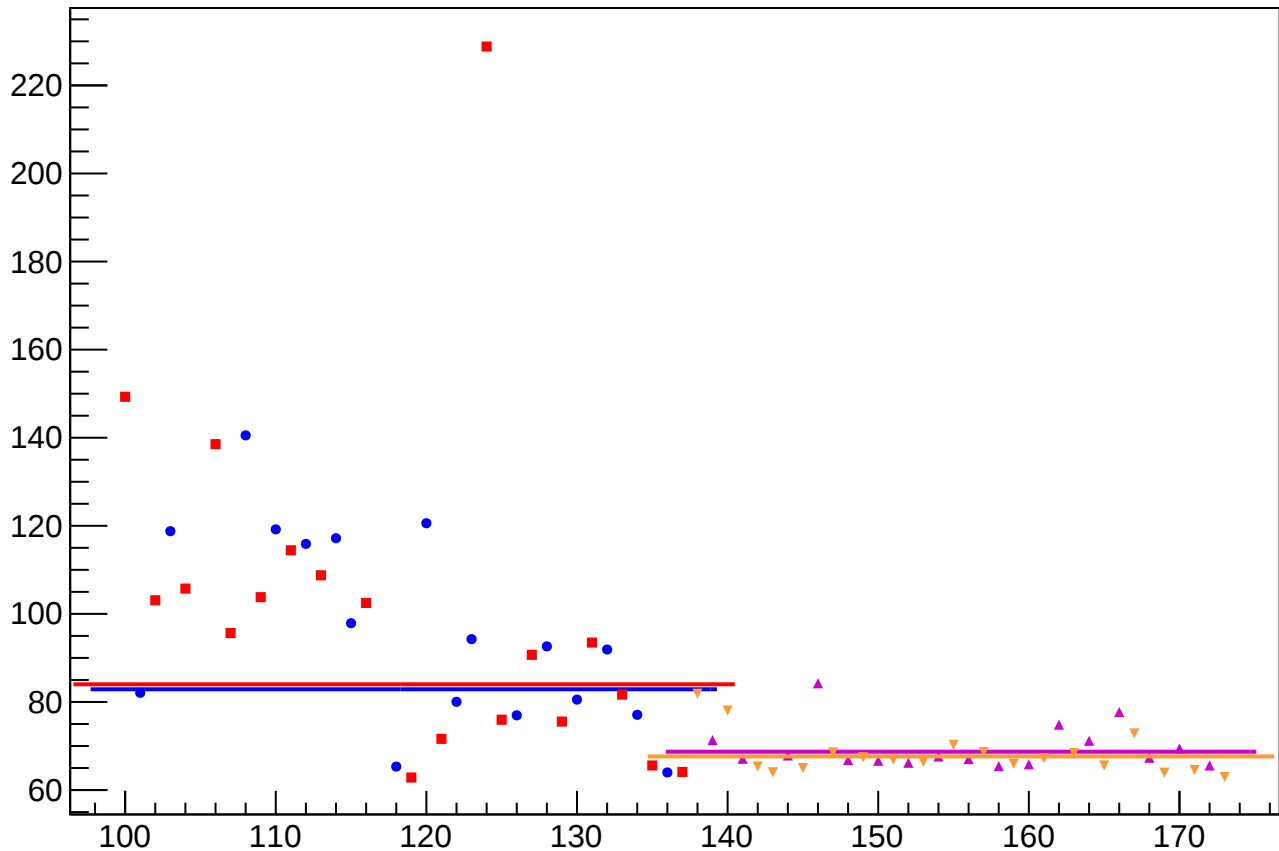
Right: -141.974 ± 23.163 $\chi^2/\text{NDF}: 47.9/35$

In: -183.263 ± 16.432 $\chi^2/\text{NDF}: 37.6/33$

Out: -150.731 ± 15.785 $\chi^2/\text{NDF}: 47.1/37$

All: -166.345 ± 11.383 $\chi^2/\text{NDF}: 86.8/71$

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 82.880 $\pm$ 0.023 χ^2 /NDF: 706417.7/16

Left Out: 67.635 $\pm$ 0.013 χ^2 /NDF:109010.1/18

Right Out: 84.013 $\pm$ 0.023 χ^2 /NDF: 765400.6/18

Left In: 68.704 $\pm$ 0.013 χ^2 /NDF:101507.0/16

Left: 68.144 $\pm$ 0.009 χ^2 /NDF: 213858.0/35

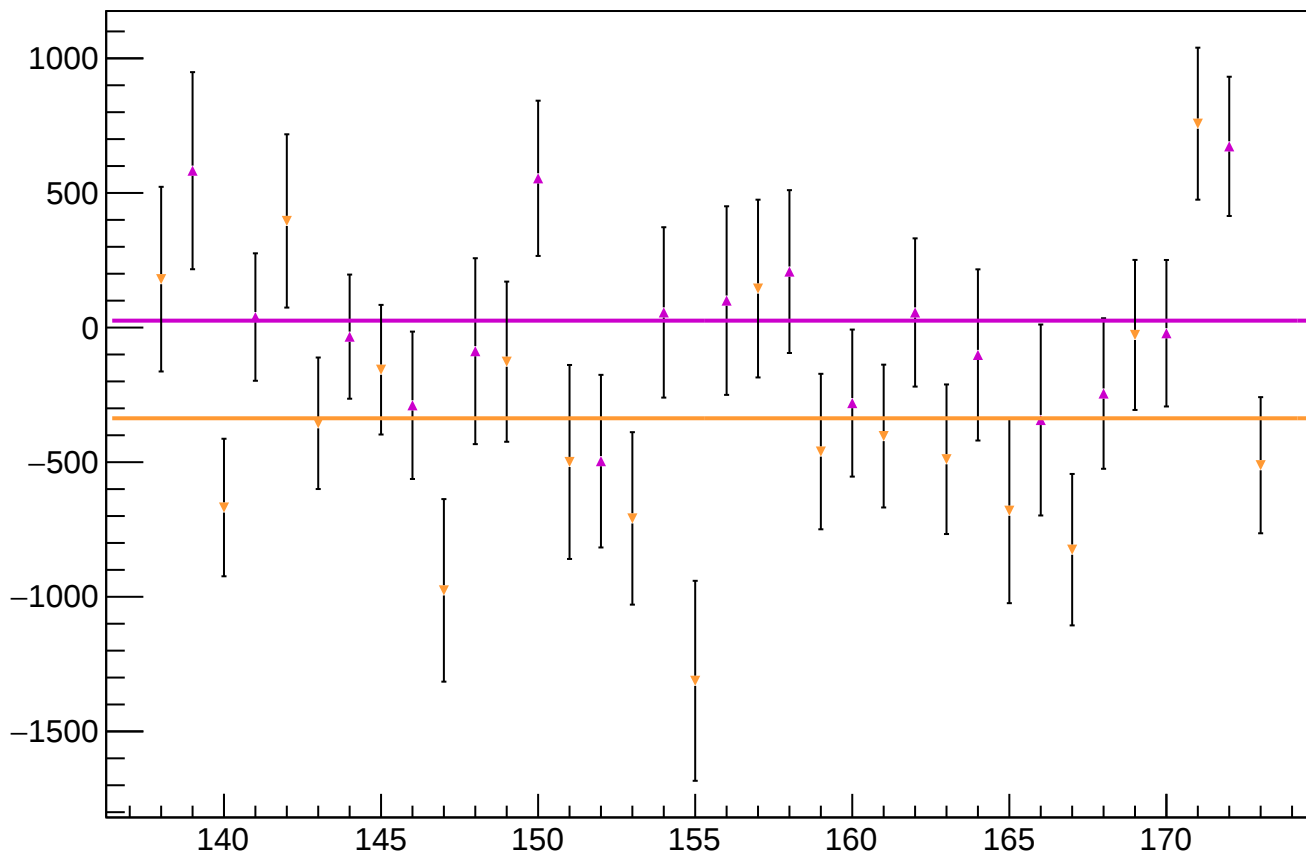
Right: 83.455 $\pm$ 0.016 χ^2 /NDF: 1473013.4/35

In: 72.217 $\pm$ 0.012 χ^2 /NDF:1085393.7/33

Out: 71.496 $\pm$ 0.011 χ^2 /NDF:1262327.2/37

All: 71.842 $\pm$ 0.008 χ^2 /NDF: 2349725.7/71

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -336.921+/-67.005 χ^2/NDF :45.6/18

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

Left In: 25.717+/-70.292 χ^2/NDF :20.0/16

Left: -164.280+/-48.500 χ^2/NDF : 79.6/35

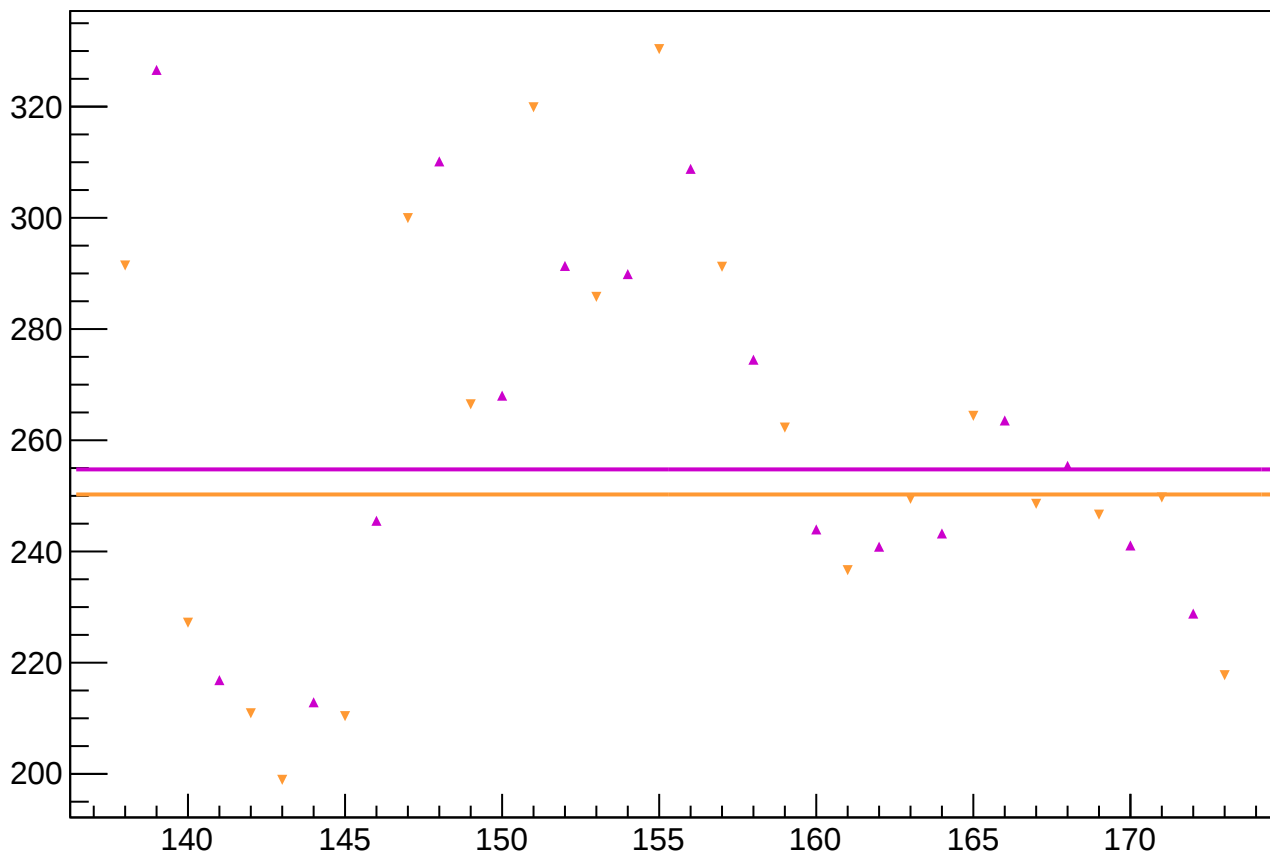
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 25.717+/-70.292 χ^2/NDF :20.0/16

Out: -336.921+/-67.005 χ^2/NDF :45.6/18

All: -164.280+/-48.500 χ^2/NDF : 79.6/35

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 250.253+/-0.047 χ^2/NDF :535795.2/18

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

Left In: 254.761+/-0.050 χ^2/NDF :396366.5/16

Left: 252.399+/-0.034 χ^2/NDF : 936472.7/35

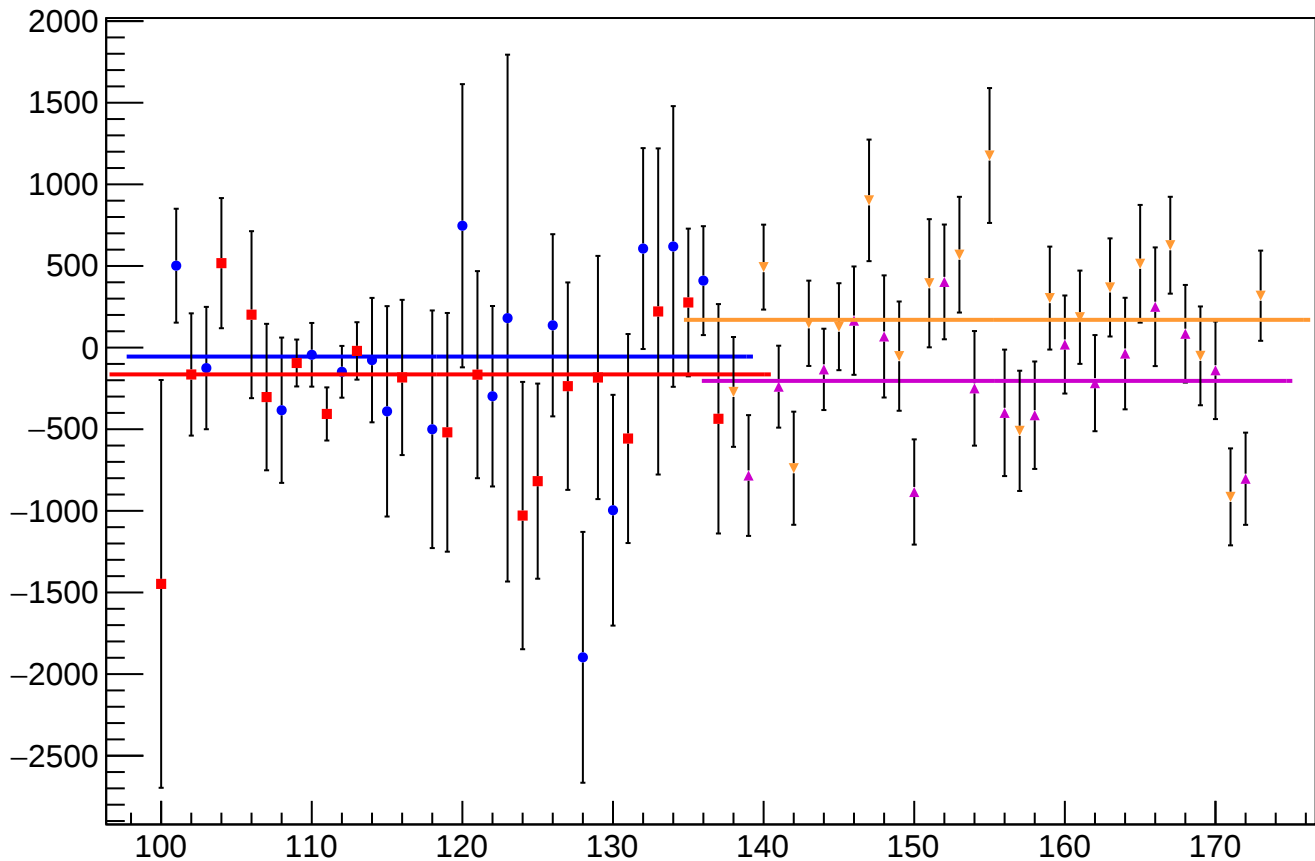
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 254.761+/-0.050 χ^2/NDF :396366.5/16

Out: 250.253+/-0.047 χ^2/NDF :535795.2/18

All: 252.399+/-0.034 χ^2/NDF : 936472.7/35

asym_sam8_mean vs Slug, Sign Corrected



Right In: -54.933 ± 90.355 χ^2/NDF : 16.5/16

Left Out: 170.104 ± 72.112 χ^2/NDF : 43.5/18

Right Out: -164.141 ± 76.903 χ^2/NDF : 11.9/18

Left In: -203.937 ± 76.493 χ^2/NDF : 20.3/16

Left: -5.898 ± 52.471 χ^2/NDF : 76.4/35

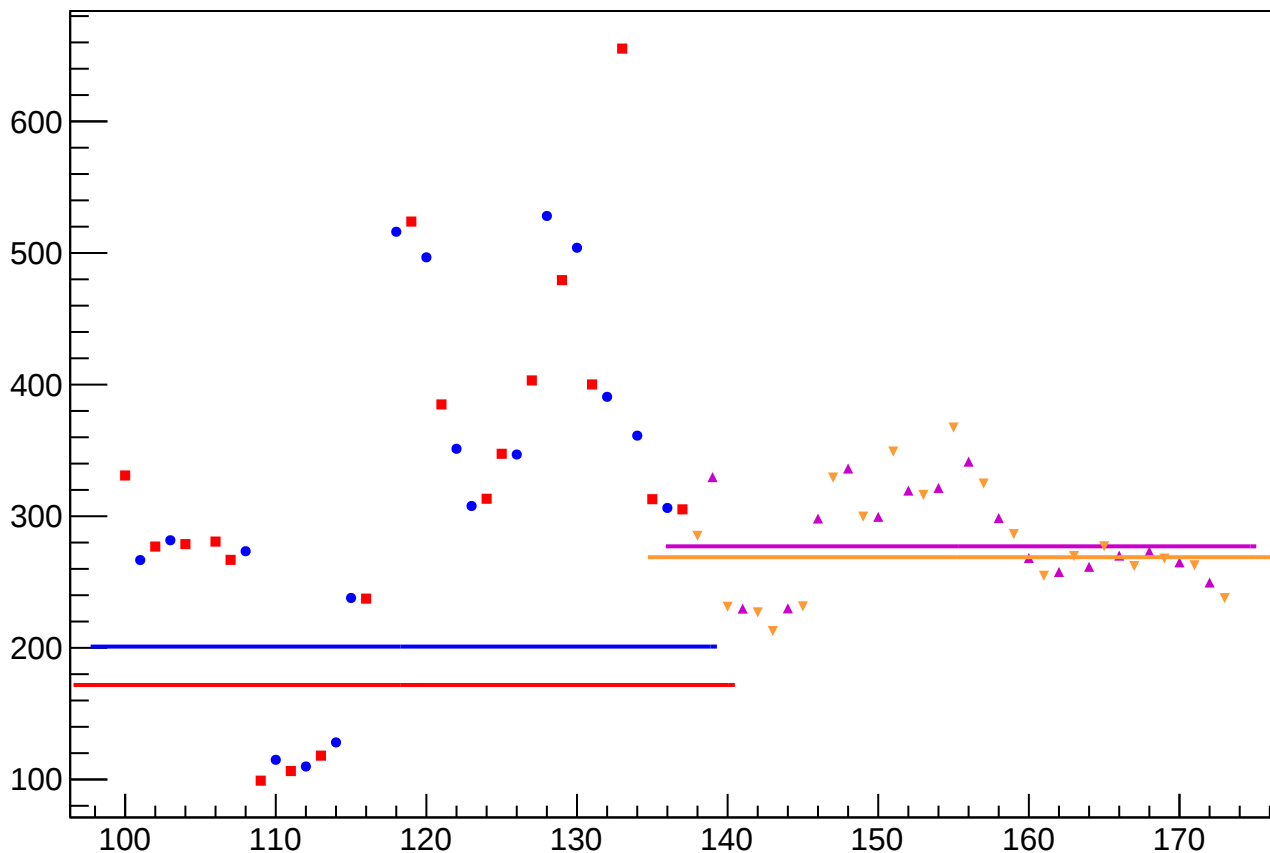
Right: -118.264 ± 58.563 χ^2/NDF : 29.3/35

In: -141.729 ± 58.382 χ^2/NDF : 38.4/33

Out: 13.717 ± 52.603 χ^2/NDF : 65.4/37

All: -55.934 ± 39.080 χ^2/NDF : 107.7/71

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.971+/-0.064 χ^2/NDF : 3436154.0/16

Left Out: 268.878+/-0.051 χ^2/NDF : 595833.3/18

Right Out: 171.794+/-0.054 χ^2/NDF : 4092634.7/18

Left In: 277.134+/-0.054 χ^2/NDF : 413527.8/16

Left: 272.763+/-0.037 χ^2/NDF : 1021698.2/35

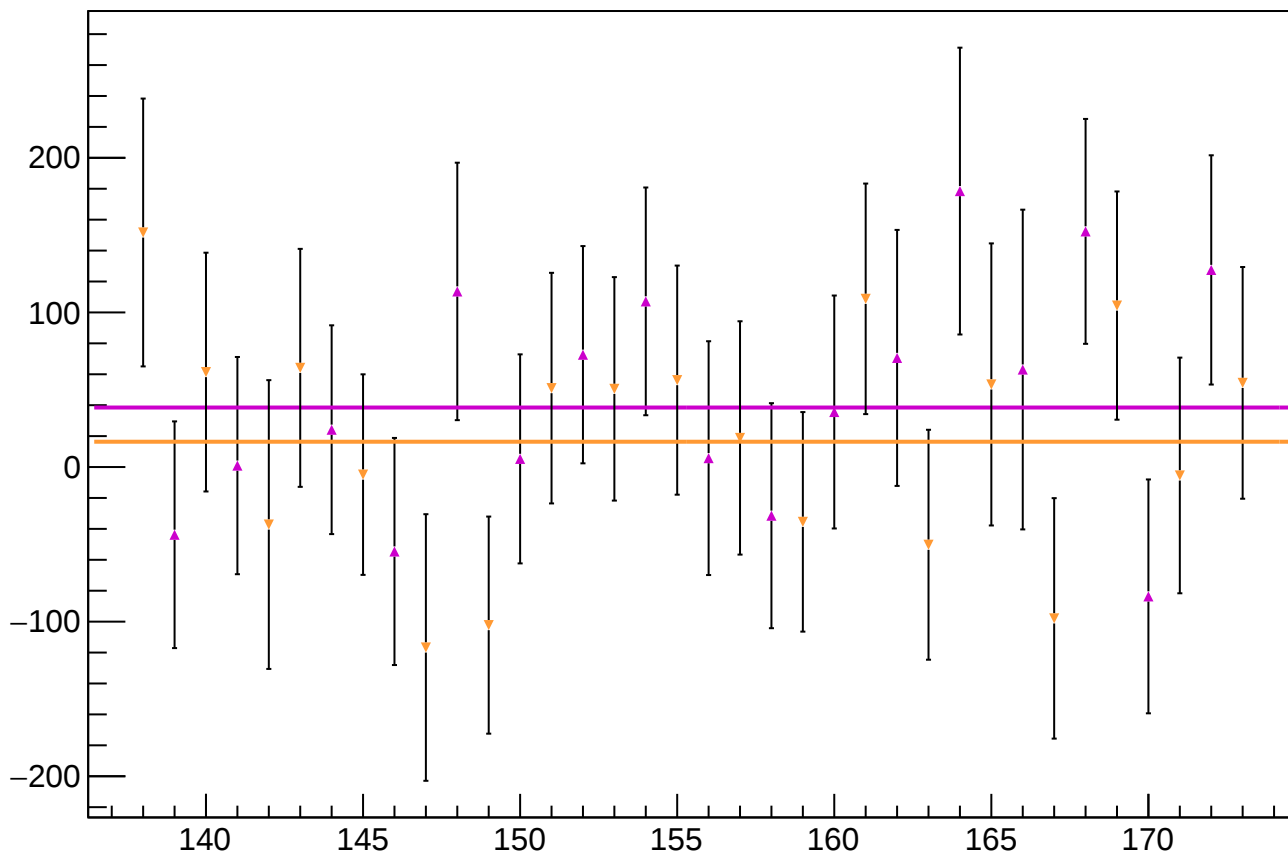
Right: 184.051+/-0.041 χ^2/NDF : 7649725.9/35

In: 245.337+/-0.041 χ^2/NDF : 4677480.0/33

Out: 223.454+/-0.037 χ^2/NDF : 6384551.9/37

All: 233.259+/-0.028 χ^2/NDF : 11217114.4/73

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left Out: 16.371 $\pm$ 17.496 χ^2 /NDF:16.5/18

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

Left In: 38.490 $\pm$ 18.305 χ^2 /NDF:15.5/16

Left: 26.931 $\pm$ 12.648 χ^2 /NDF: 32.8/35

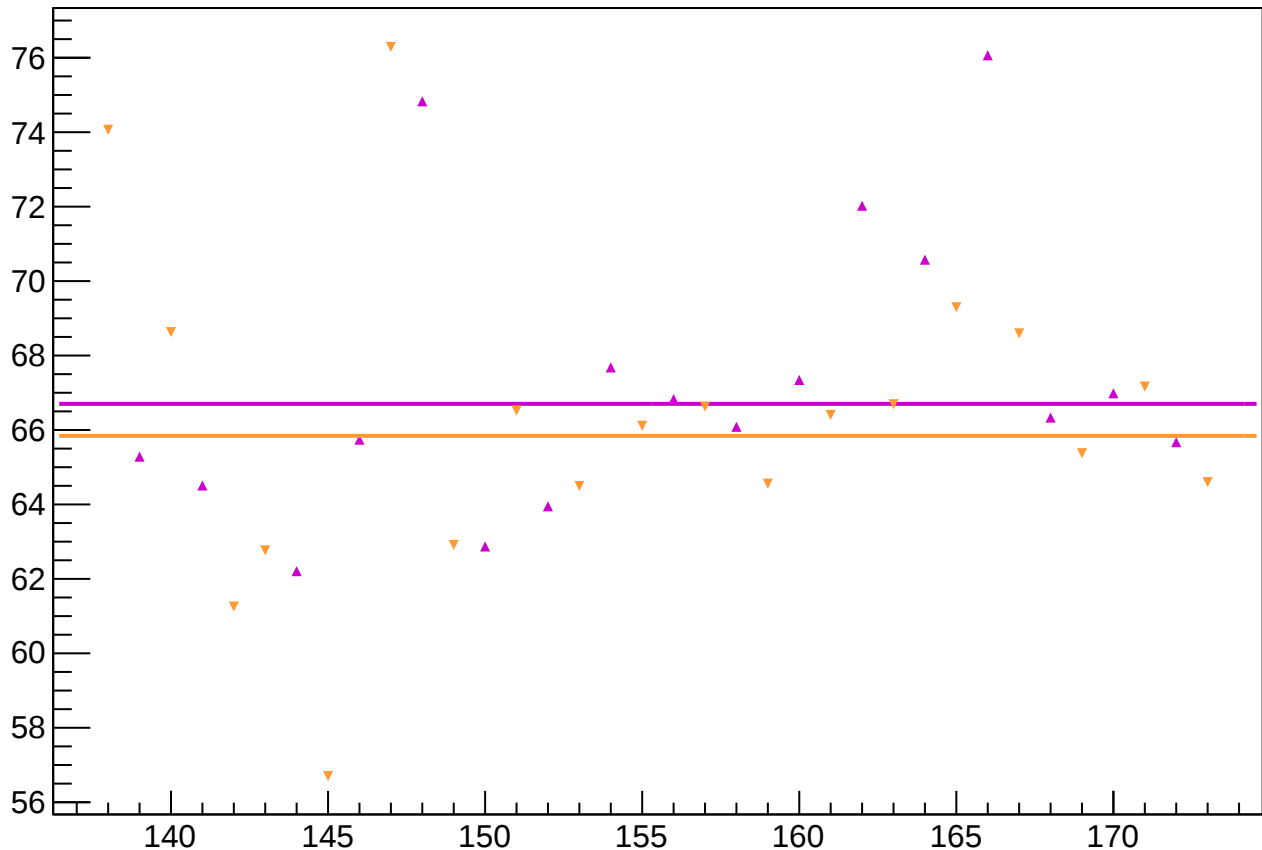
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 38.490 $\pm$ 18.305 χ^2 /NDF:15.5/16

Out: 16.371 $\pm$ 17.496 χ^2 /NDF:16.5/18

All: 26.931 $\pm$ 12.648 χ^2 /NDF: 32.8/35

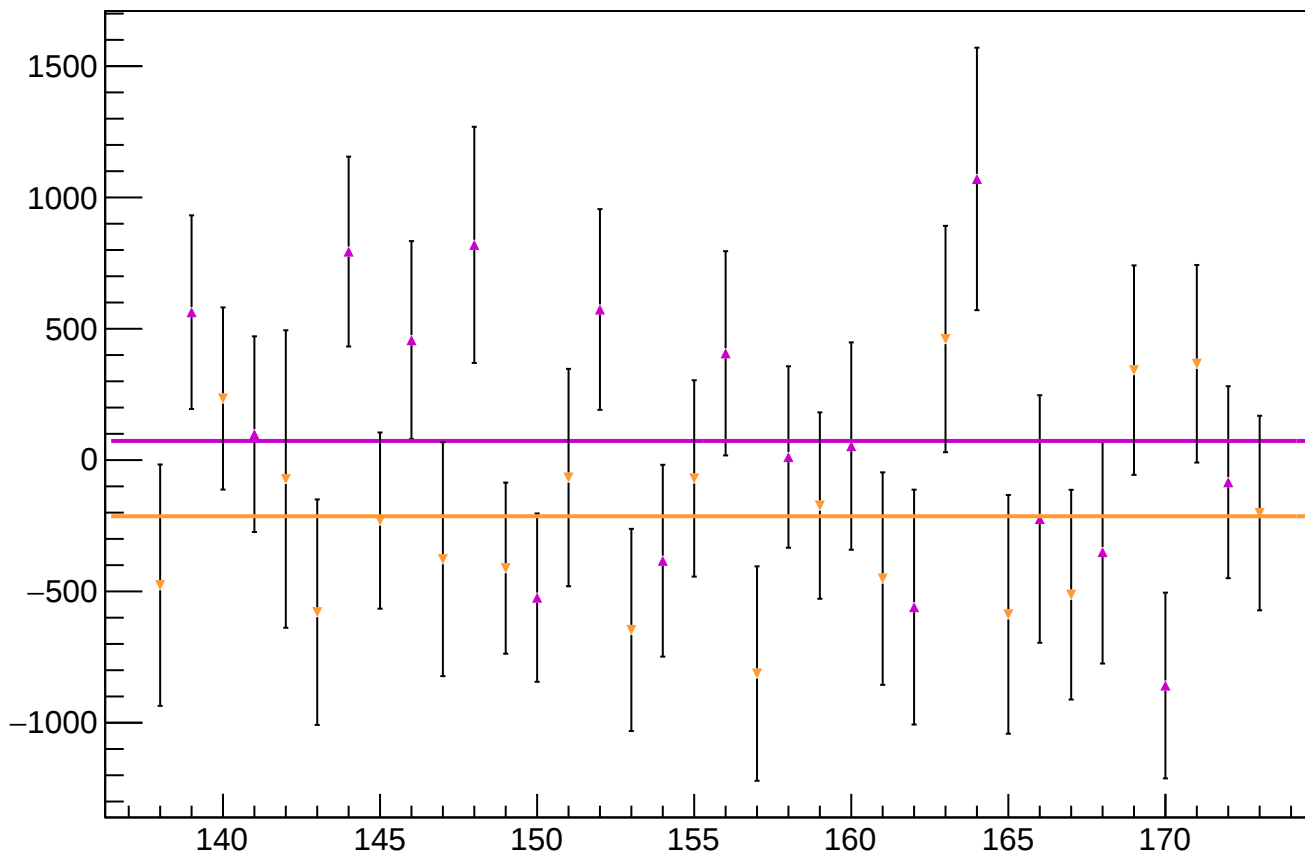
dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 65.842+/-0.012 χ^2/NDF :109953.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 66.702+/-0.013 χ^2/NDF :69719.3/16

Left: 66.253+/-0.009 χ^2/NDF : 181979.8/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 66.702+/-0.013 χ^2/NDF :69719.3/16
 Out: 65.842+/-0.012 χ^2/NDF :109953.0/18
 All: 66.253+/-0.009 χ^2/NDF : 181979.8/35

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -213.783 $\pm$ 90.581 χ^2 /NDF:15.4/18

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

Left In: 72.927 $\pm$ 93.565 χ^2 /NDF:31.6/16

Left: -75.072 $\pm$ 65.080 χ^2 /NDF: 51.8/35

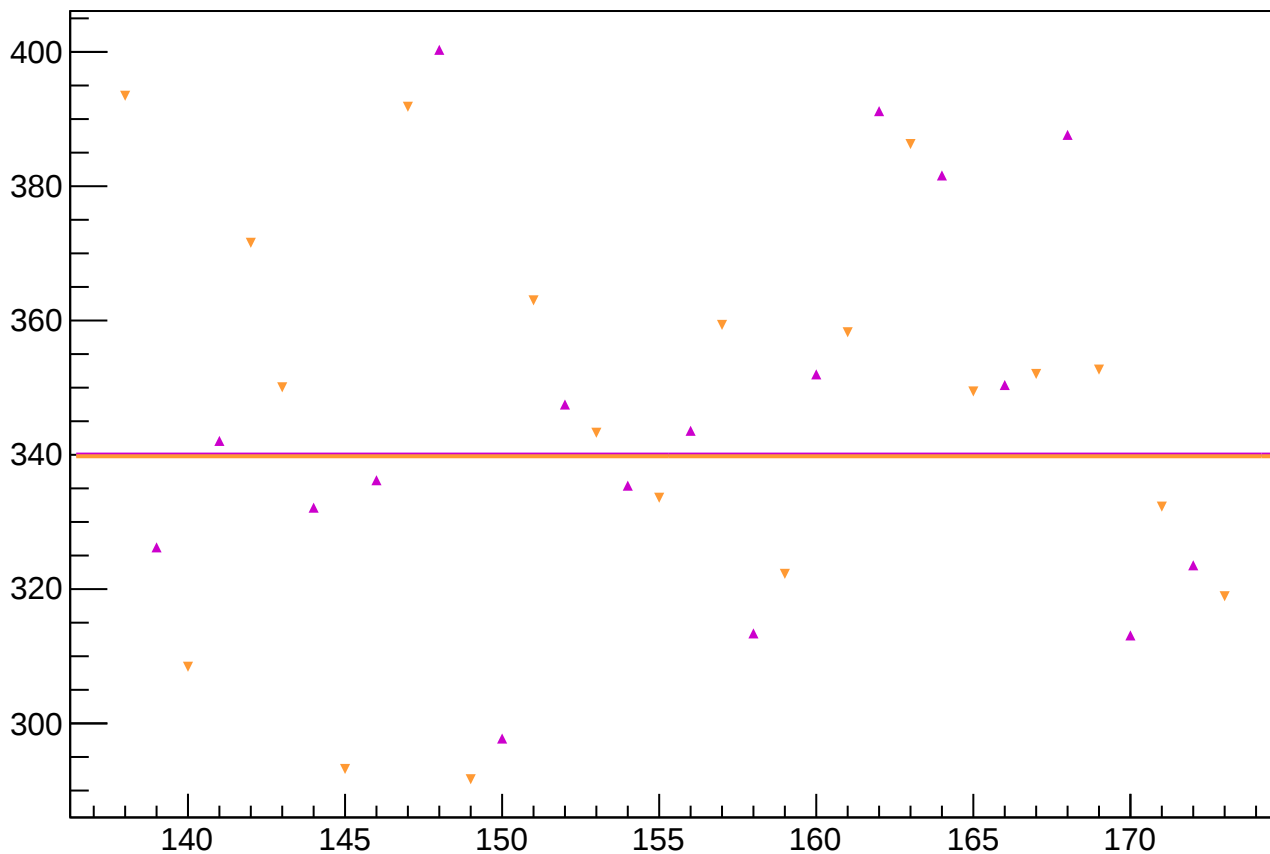
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 72.927 $\pm$ 93.565 χ^2 /NDF:31.6/16

Out: -213.783 $\pm$ 90.581 χ^2 /NDF:15.4/18

All: -75.072 $\pm$ 65.080 χ^2 /NDF: 51.8/35

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 339.783+/-0.064 χ^2/NDF :216476.6/18

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

Left In: 340.033+/-0.066 χ^2/NDF :171560.5/16

Left: 339.904+/-0.046 χ^2/NDF : 388044.5/35

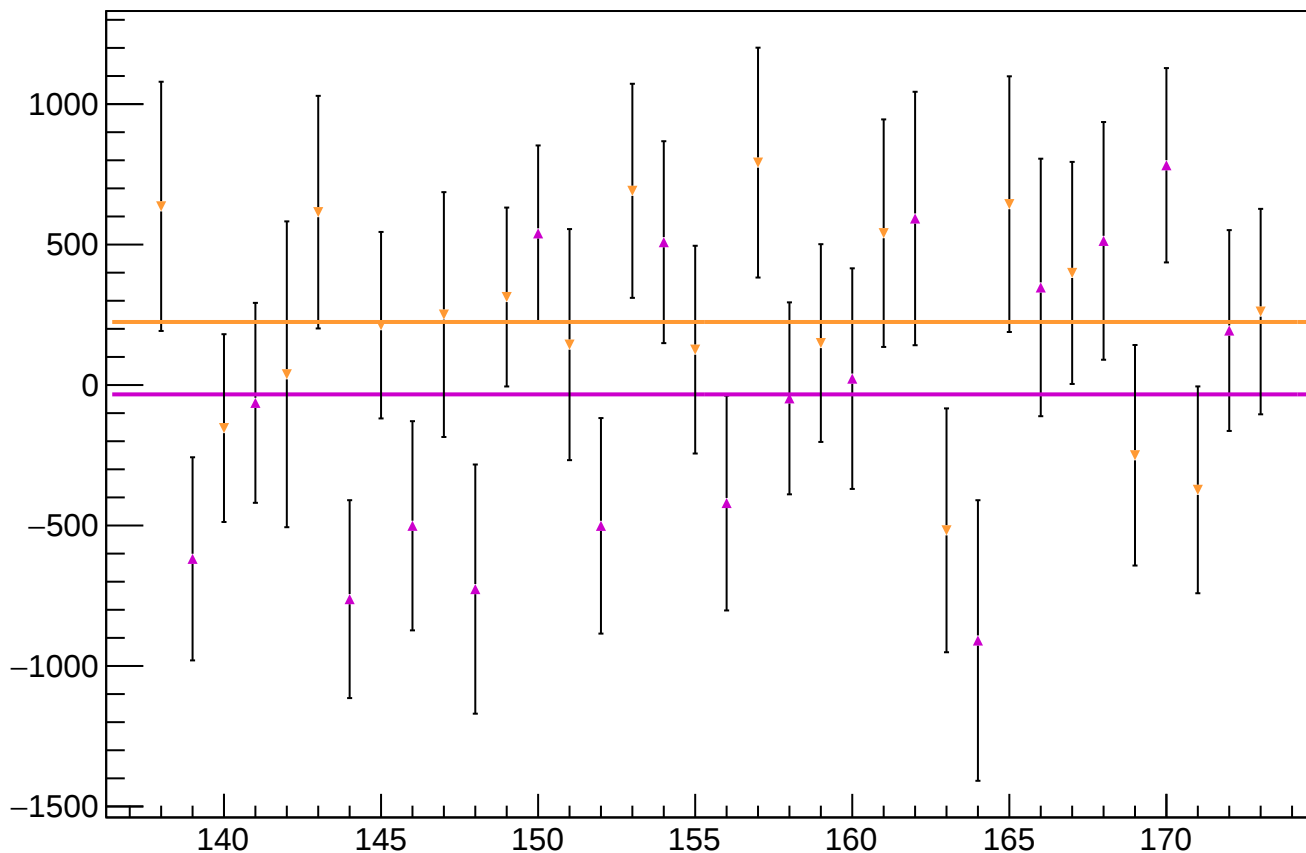
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 340.033+/-0.066 χ^2/NDF :171560.5/16

Out: 339.783+/-0.064 χ^2/NDF :216476.6/18

All: 339.904+/-0.046 χ^2/NDF : 388044.5/35

asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left Out: 224.460 ± 89.229 $\chi^2/\text{NDF}: 15.5/18$

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

Left In: -33.244 ± 92.056 $\chi^2/\text{NDF}: 32.4/16$

Left: 99.626 ± 64.070 $\chi^2/\text{NDF}: 51.9/35$

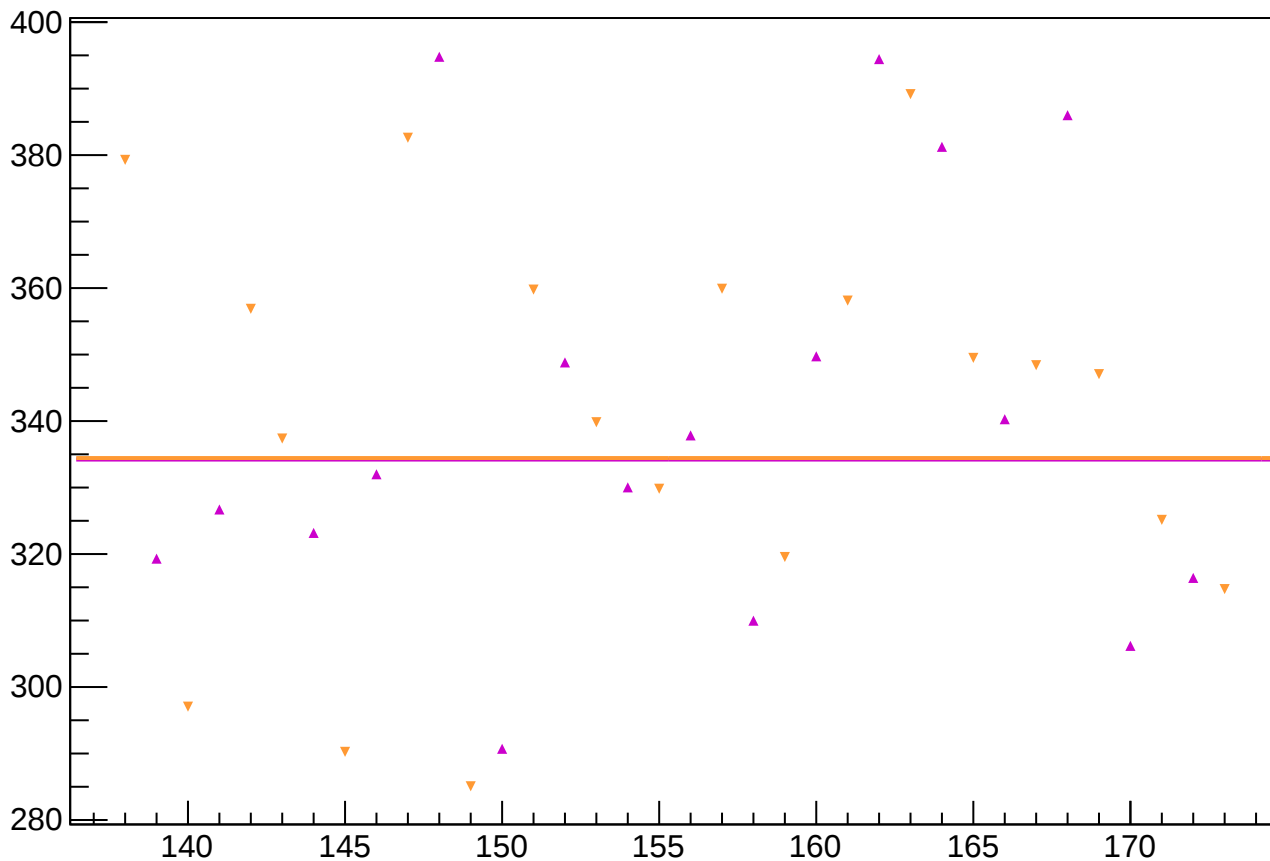
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -33.244 ± 92.056 $\chi^2/\text{NDF}: 32.4/16$

Out: 224.460 ± 89.229 $\chi^2/\text{NDF}: 15.5/18$

All: 99.626 ± 64.070 $\chi^2/\text{NDF}: 51.9/35$

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 334.436+/-0.063 χ^2/NDF :229056.4/18

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

Left In: 334.212+/-0.065 χ^2/NDF :200621.8/16

Left: 334.328+/-0.045 χ^2/NDF : 429684.3/35

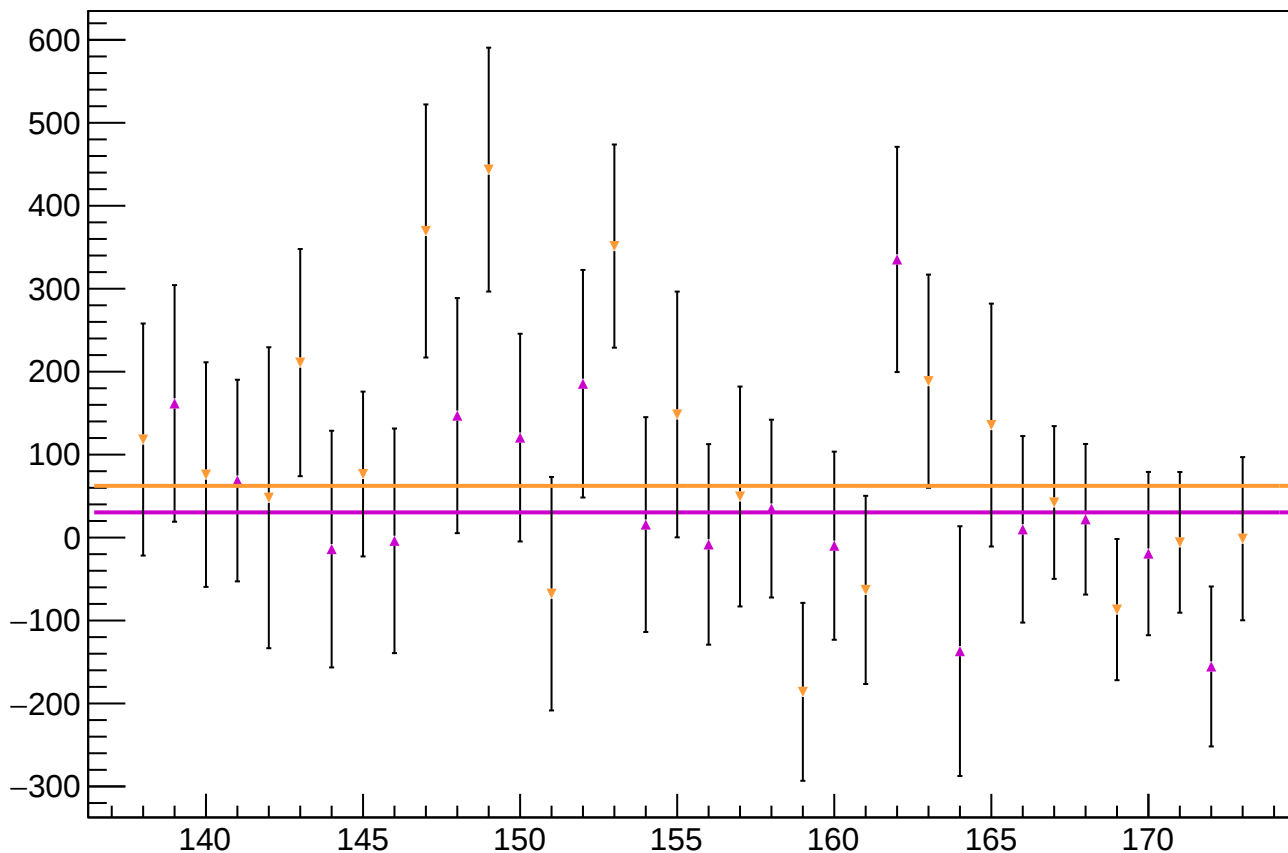
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 334.212+/-0.065 χ^2/NDF :200621.8/16

Out: 334.436+/-0.063 χ^2/NDF :229056.4/18

All: 334.328+/-0.045 χ^2/NDF : 429684.3/35

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left Out: 62.346 $\pm$ 27.018 χ^2 /NDF:30.9/18

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

Left In: 30.369 $\pm$ 28.991 χ^2 /NDF:14.1/16

Left: 47.483 $\pm$ 19.765 χ^2 /NDF: 45.7/35

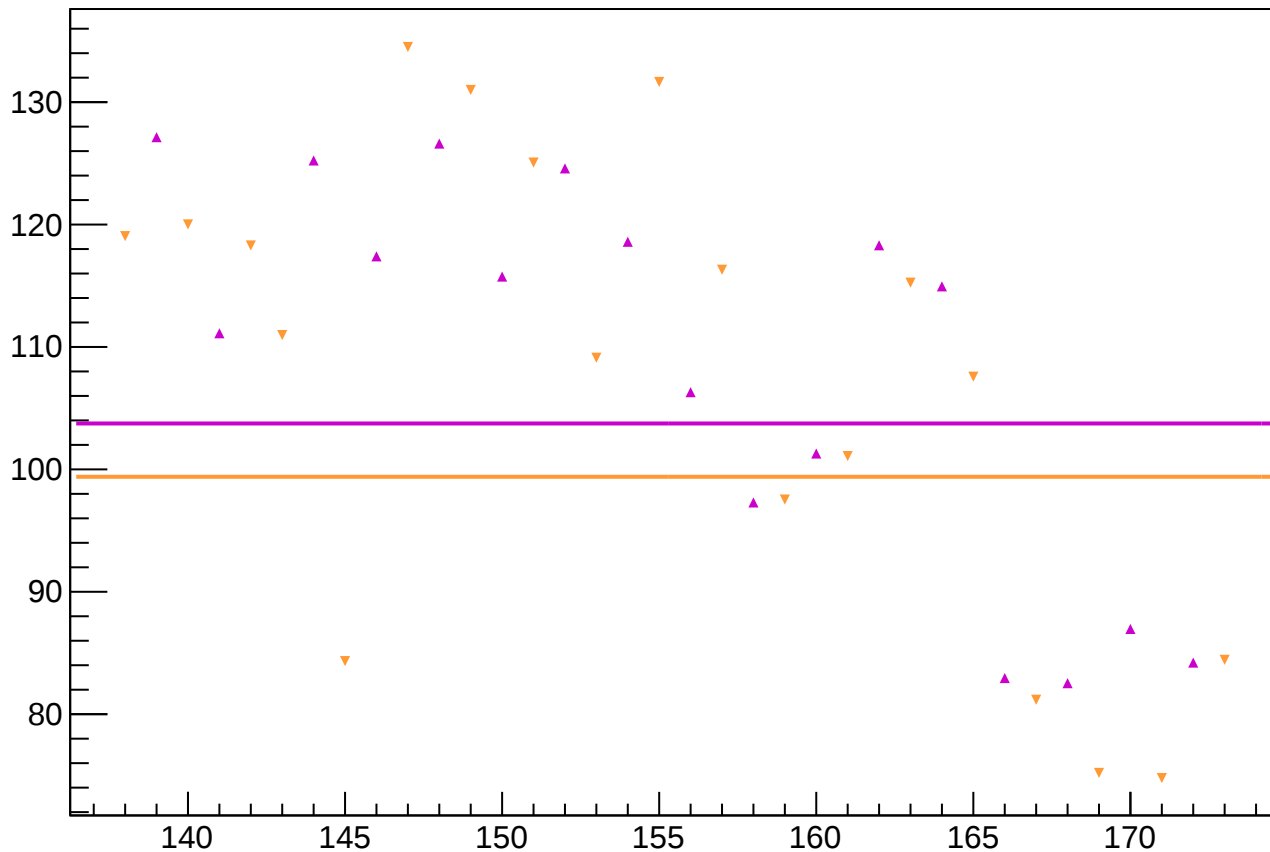
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 30.369 $\pm$ 28.991 χ^2 /NDF:14.1/16

Out: 62.346 $\pm$ 27.018 χ^2 /NDF:30.9/18

All: 47.483 $\pm$ 19.765 χ^2 /NDF: 45.7/35

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 99.396+/-0.019 χ^2/NDF :1065012.2/18

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

Left In: 103.750+/-0.020 χ^2/NDF :630793.0/16

Left: 101.420+/-0.014 χ^2/NDF : 1719953.2/35

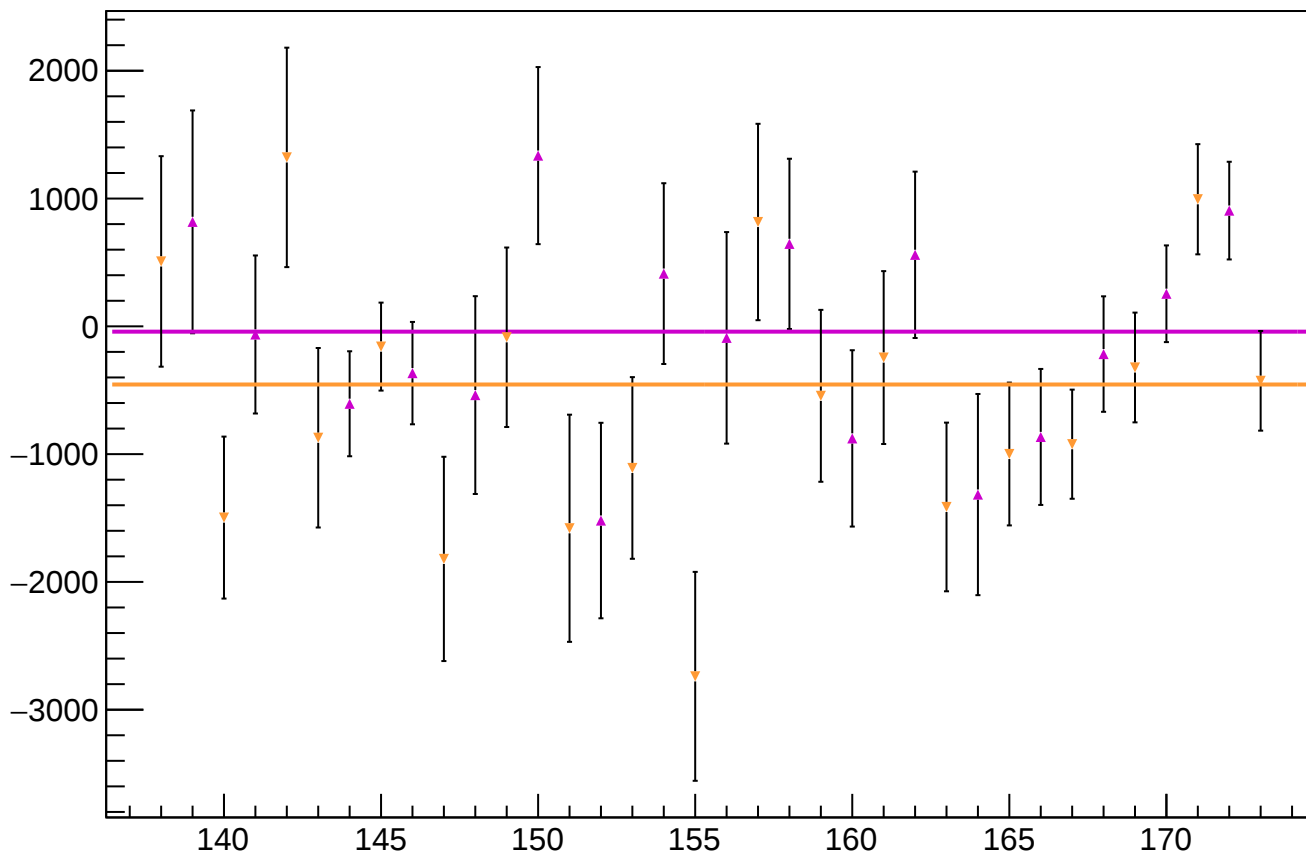
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 103.750+/-0.020 χ^2/NDF :630793.0/16

Out: 99.396+/-0.019 χ^2/NDF :1065012.2/18

All: 101.420+/-0.014 χ^2/NDF : 1719953.2/35

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -455.134+/-130.666 χ^2/NDF :41.4/18

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

Left In: -41.576+/-134.114 χ^2/NDF :27.3/16

Left: -253.739+/-93.590 χ^2/NDF : 73.6/35

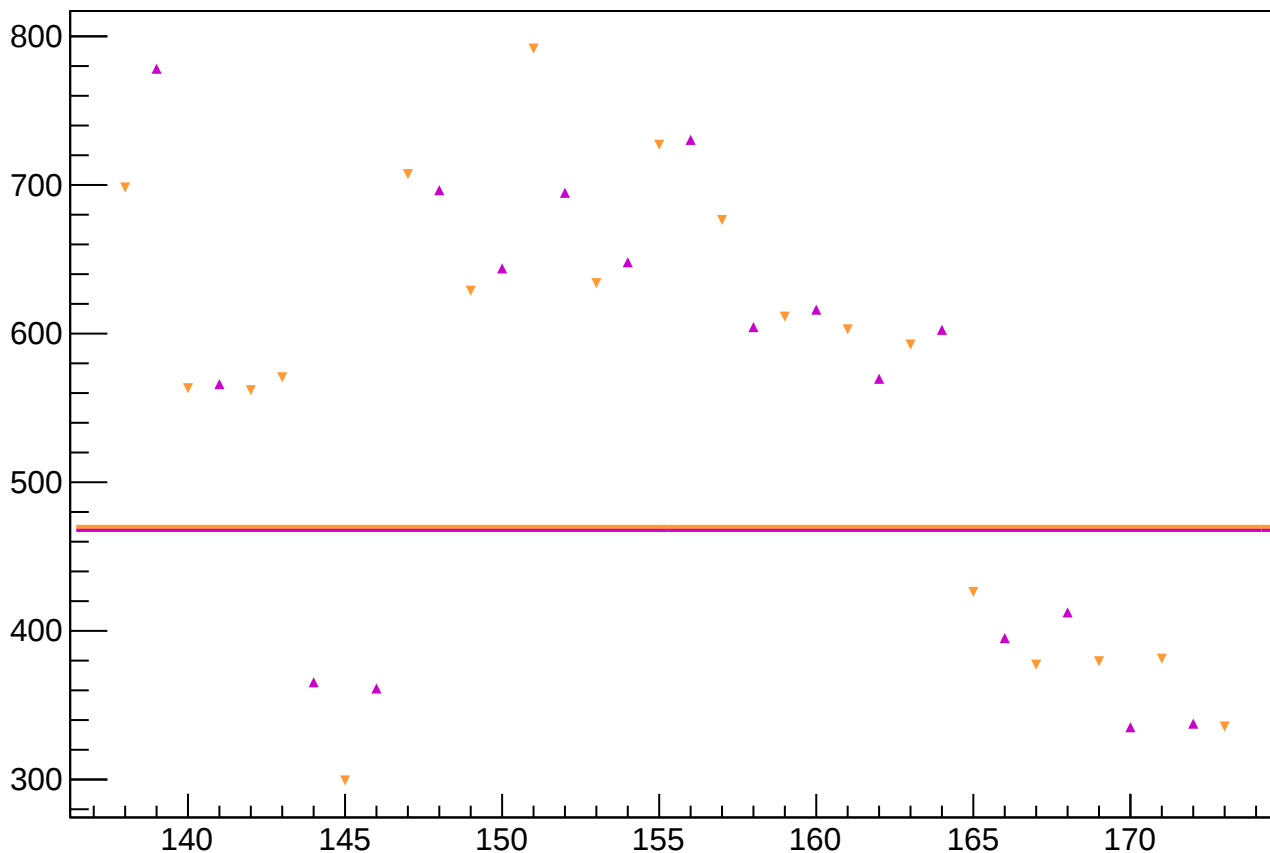
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -41.576+/-134.114 χ^2/NDF :27.3/16

Out: -455.134+/-130.666 χ^2/NDF :41.4/18

All: -253.739+/-93.590 χ^2/NDF : 73.6/35

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 470.026+/-0.092 χ^2/NDF :2493567.1/18

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

Left In: 467.916+/-0.095 χ^2/NDF :2209759.2/16

Left: 468.998+/-0.066 χ^2/NDF : 4703580.3/35

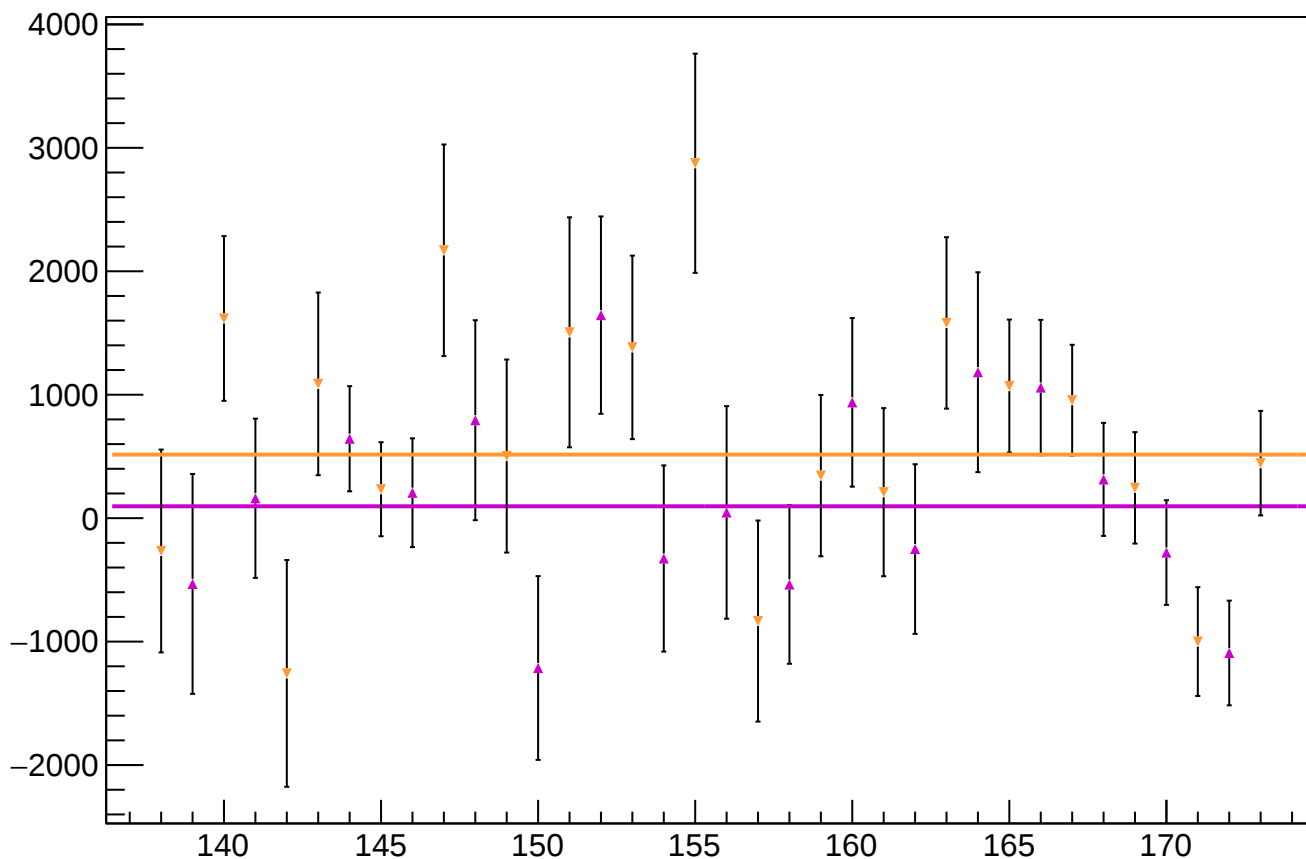
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 467.916+/-0.095 χ^2/NDF :2209759.2/16

Out: 470.026+/-0.092 χ^2/NDF :2493567.1/18

All: 468.998+/-0.066 χ^2/NDF : 4703580.3/35

asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left Out: 514.804+/-137.373 χ^2/NDF : 41.4/18

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

Left In: 96.086+/-141.748 χ^2/NDF : 26.6/16

Left: 312.006+/-98.648 χ^2/NDF : 72.5/35

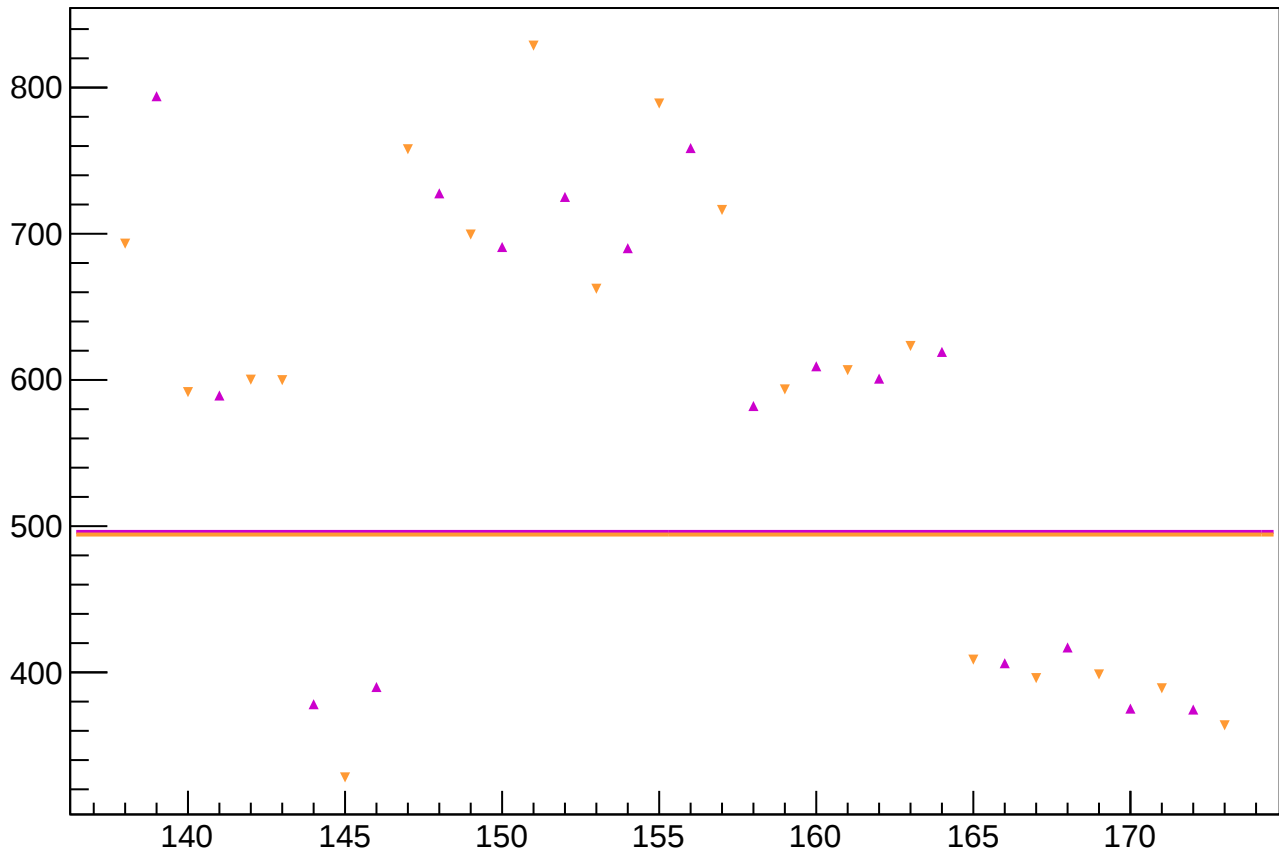
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 96.086+/-141.748 χ^2/NDF : 26.6/16

Out: 514.804+/-137.373 χ^2/NDF : 41.4/18

All: 312.006+/-98.648 χ^2/NDF : 72.5/35

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 494.267+/-0.097 χ^2/NDF :2373659.6/18

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

Left In: 496.058+/-0.100 χ^2/NDF :1942080.4/16

Left: 495.135+/-0.070 χ^2/NDF : 4315904.8/35

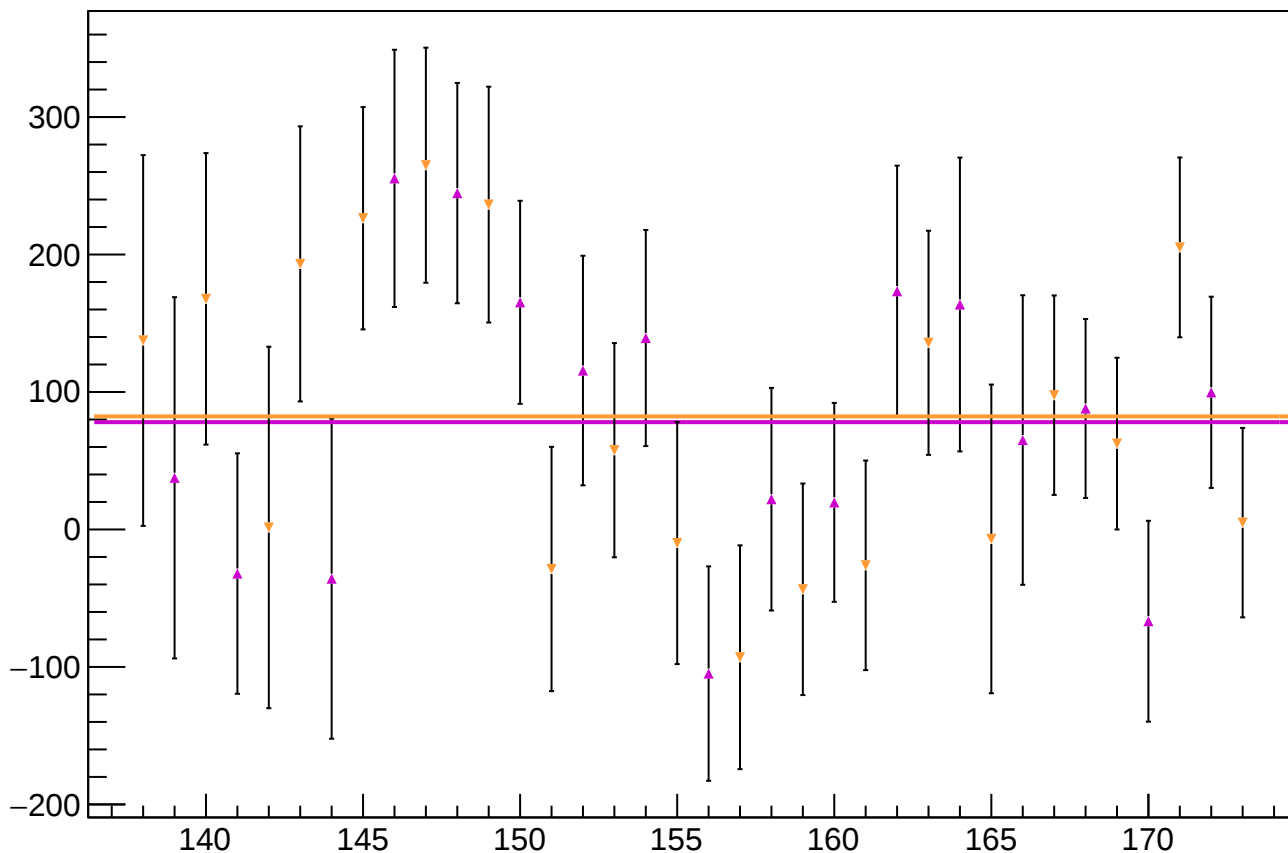
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 496.058+/-0.100 χ^2/NDF :1942080.4/16

Out: 494.267+/-0.097 χ^2/NDF :2373659.6/18

All: 495.135+/-0.070 χ^2/NDF : 4315904.8/35

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 82.242 $\pm$ 19.034 χ^2 /NDF:31.5/18

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

Left In: 78.065 $\pm$ 20.175 χ^2 /NDF:25.2/16

Left: 80.275 $\pm$ 13.845 χ^2 /NDF: 56.7/35

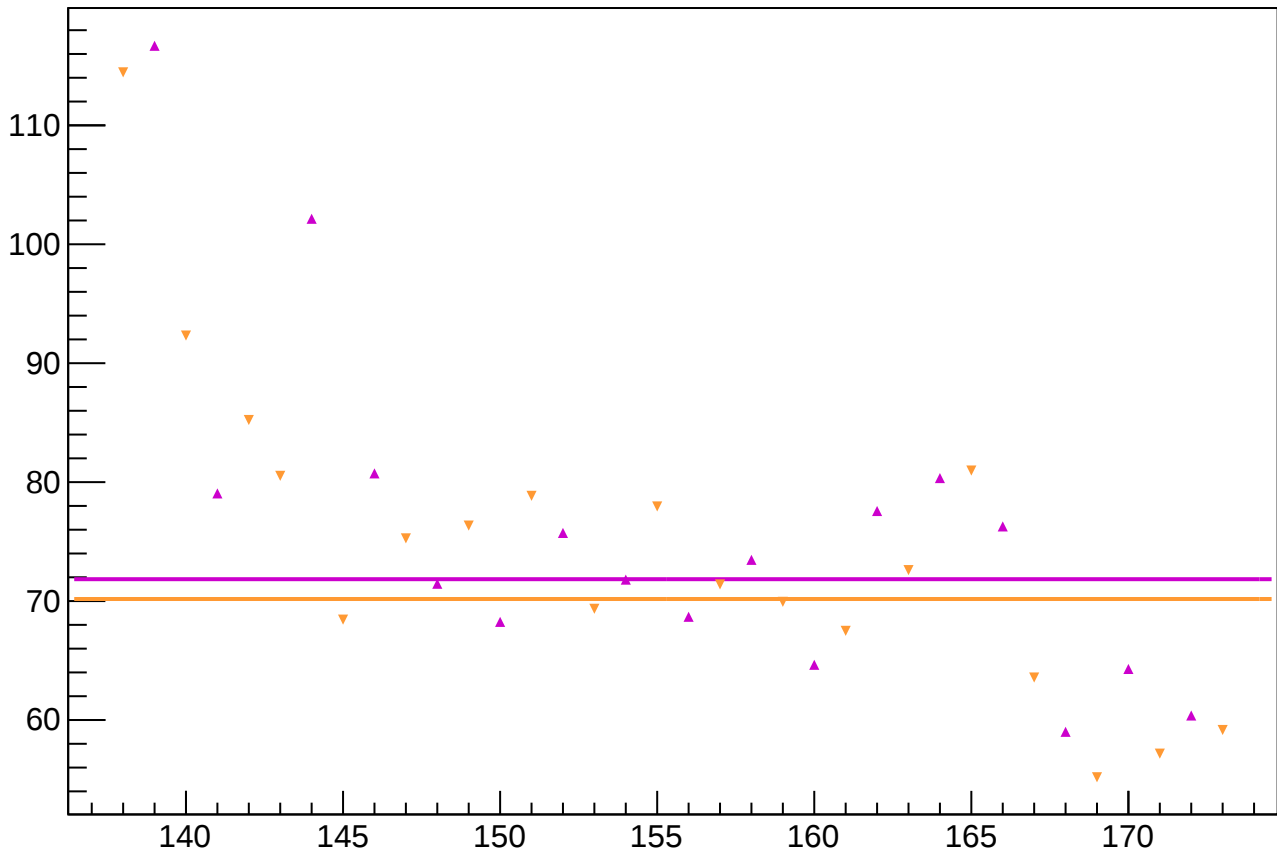
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 78.065 $\pm$ 20.175 χ^2 /NDF:25.2/16

Out: 82.242 $\pm$ 19.034 χ^2 /NDF:31.5/18

All: 80.275 $\pm$ 13.845 χ^2 /NDF: 56.7/35

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 70.174+/-0.013 χ^2/NDF : 688921.8/18

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

Left In: 71.840+/-0.014 χ^2/NDF : 610689.7/16

Left: 70.958+/-0.010 χ^2/NDF : 1306829.4/35

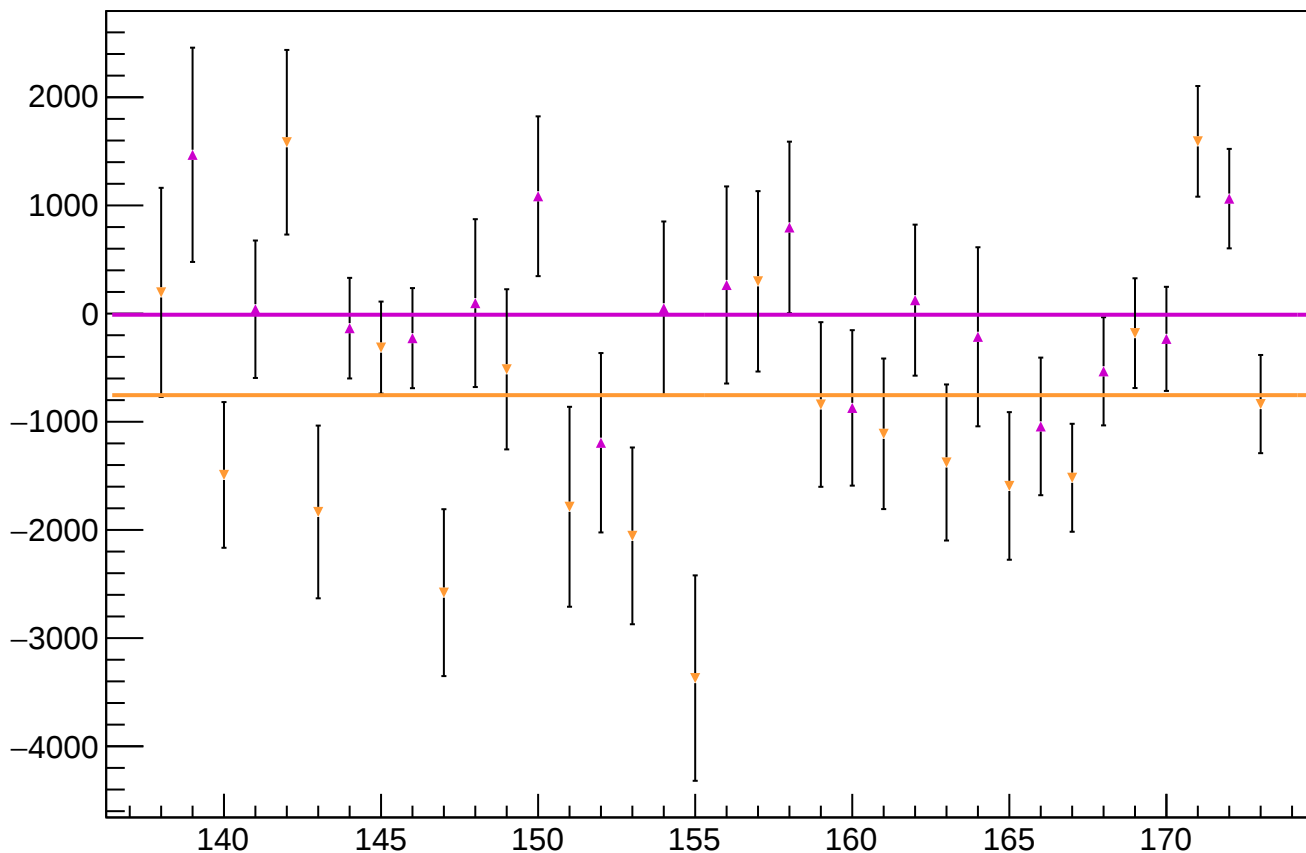
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 71.840+/-0.014 χ^2/NDF : 610689.7/16

Out: 70.174+/-0.013 χ^2/NDF : 688921.8/18

All: 70.958+/-0.010 χ^2/NDF : 1306829.4/35

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -753.954+/-149.240 χ^2/NDF :58.5/18

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

Left In: -10.476+/-152.399 χ^2/NDF :18.8/16

Left: -390.001+/-106.628 χ^2/NDF : 89.4/35

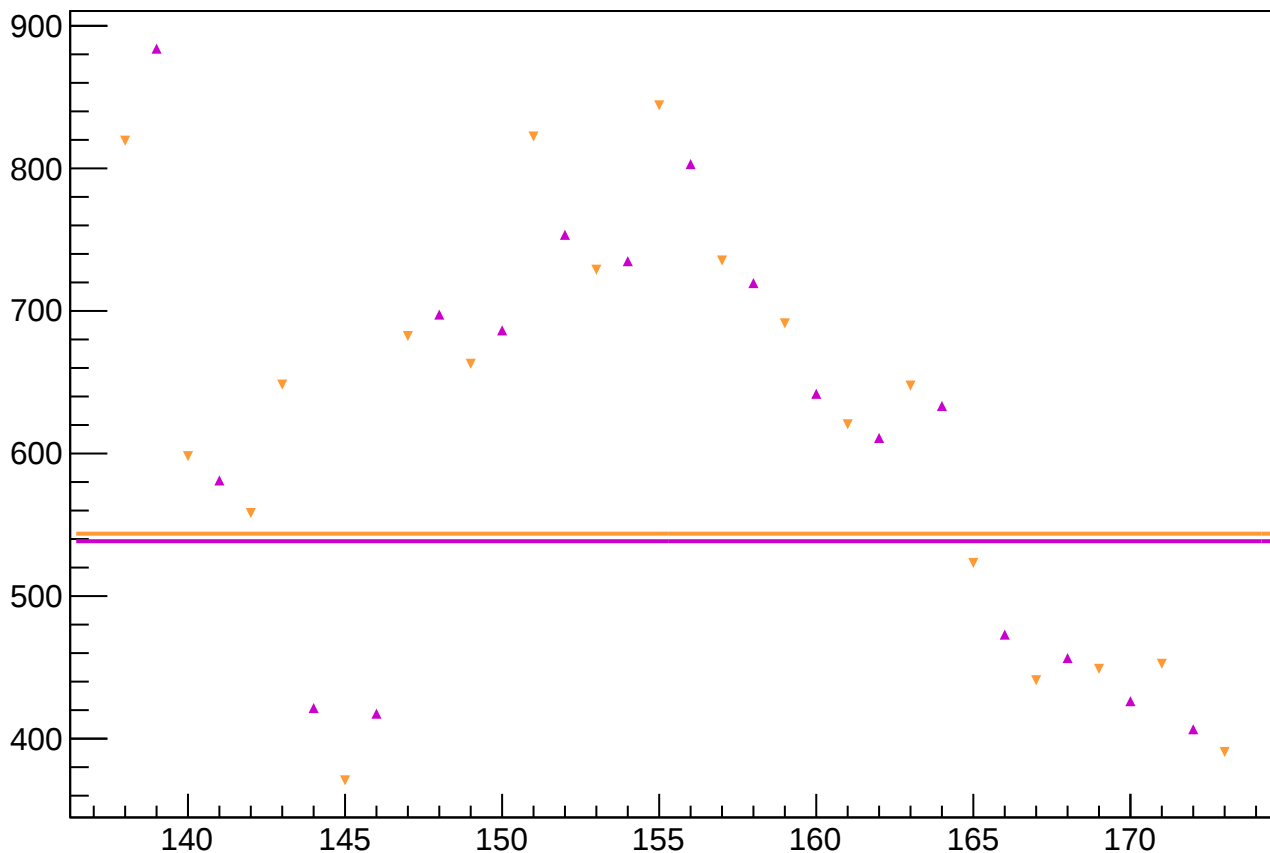
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.476+/-152.399 χ^2/NDF :18.8/16

Out: -753.954+/-149.240 χ^2/NDF :58.5/18

All: -390.001+/-106.628 χ^2/NDF : 89.4/35

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 543.781+/-0.106 χ^2/NDF :1836775.4/18

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

Left In: 538.490+/-0.108 χ^2/NDF :1644347.2/16

Left: 541.191+/-0.075 χ^2/NDF : 3482352.9/35

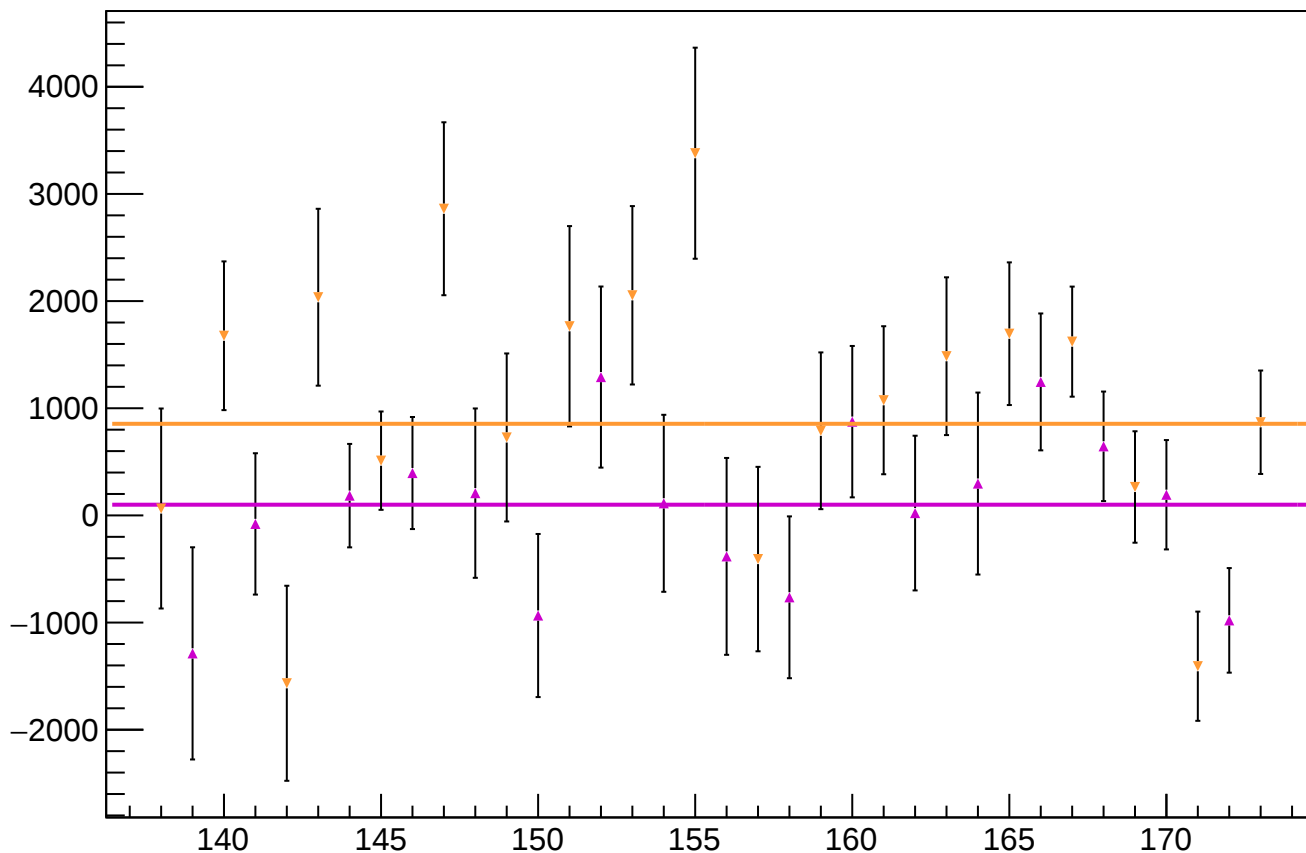
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 538.490+/-0.108 χ^2/NDF :1644347.2/16

Out: 543.781+/-0.106 χ^2/NDF :1836775.4/18

All: 541.191+/-0.075 χ^2/NDF : 3482352.9/35

asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 854.878+/-153.428 χ^2/NDF :55.4/18

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

Left In: 99.869+/-158.057 χ^2/NDF :18.4/16

Left: 488.591+/-110.090 χ^2/NDF : 85.5/35

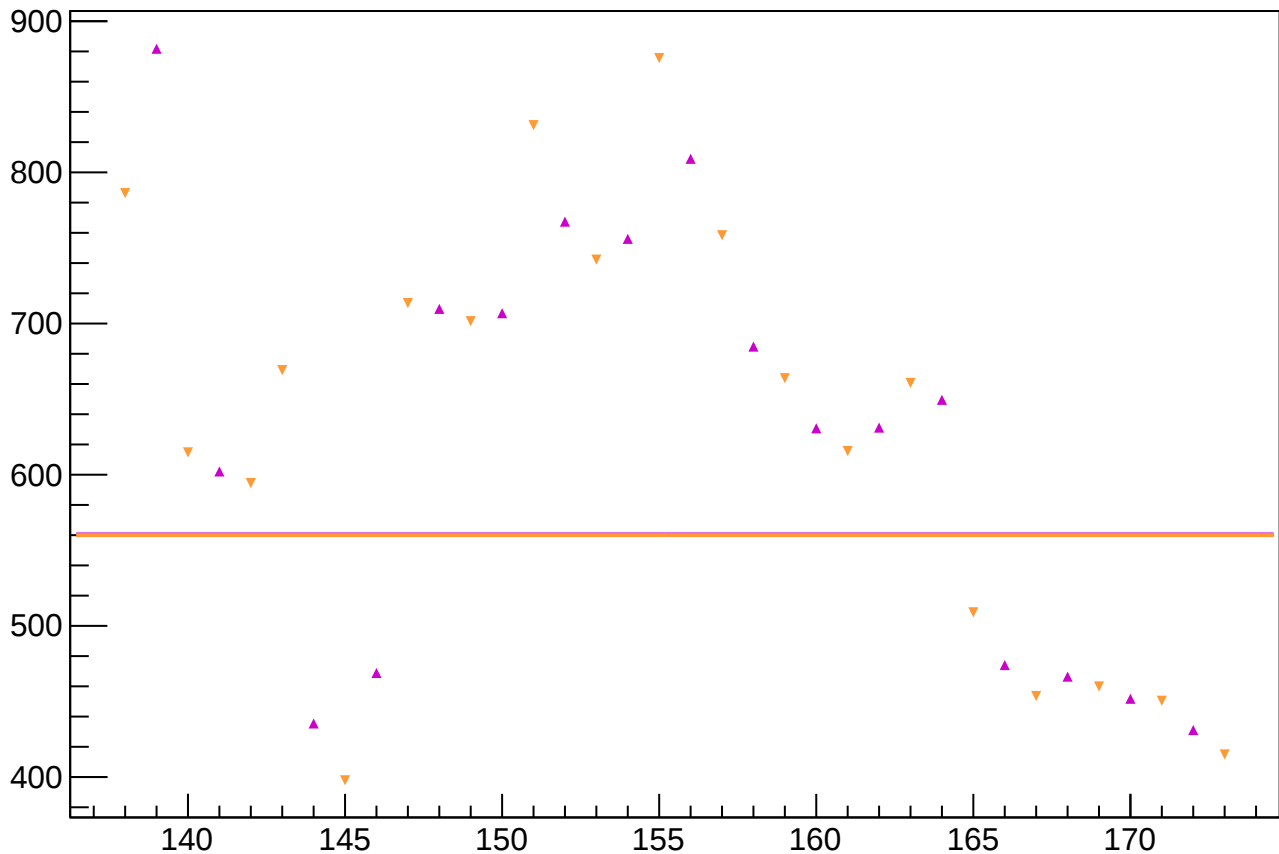
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 99.869+/-158.057 χ^2/NDF :18.4/16

Out: 854.878+/-153.428 χ^2/NDF :55.4/18

All: 488.591+/-110.090 χ^2/NDF : 85.5/35

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 560.044+/-0.108 χ^2/NDF :1666674.2/18

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

Left In: 560.474+/-0.112 χ^2/NDF :1388696.6/16

Left: 560.253+/-0.078 χ^2/NDF : 3055378.5/35

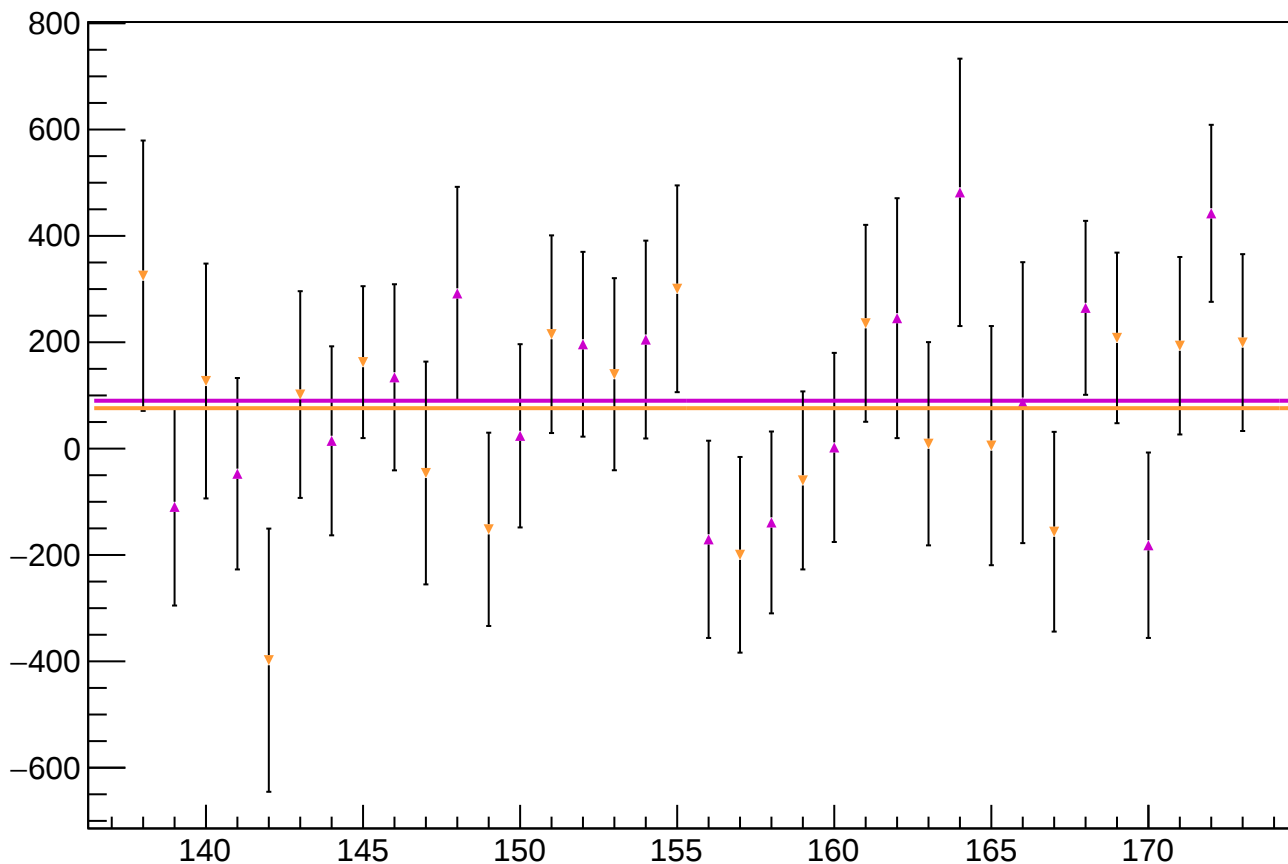
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 560.474+/-0.112 χ^2/NDF :1388696.6/16

Out: 560.044+/-0.108 χ^2/NDF :1666674.2/18

All: 560.253+/-0.078 χ^2/NDF : 3055378.5/35

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 76.048 $\pm$ 42.725 χ^2 /NDF:16.1/18

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

Left In: 90.043 $\pm$ 44.904 χ^2 /NDF:18.9/16

Left: 82.698 $\pm$ 30.952 χ^2 /NDF: 35.0/35

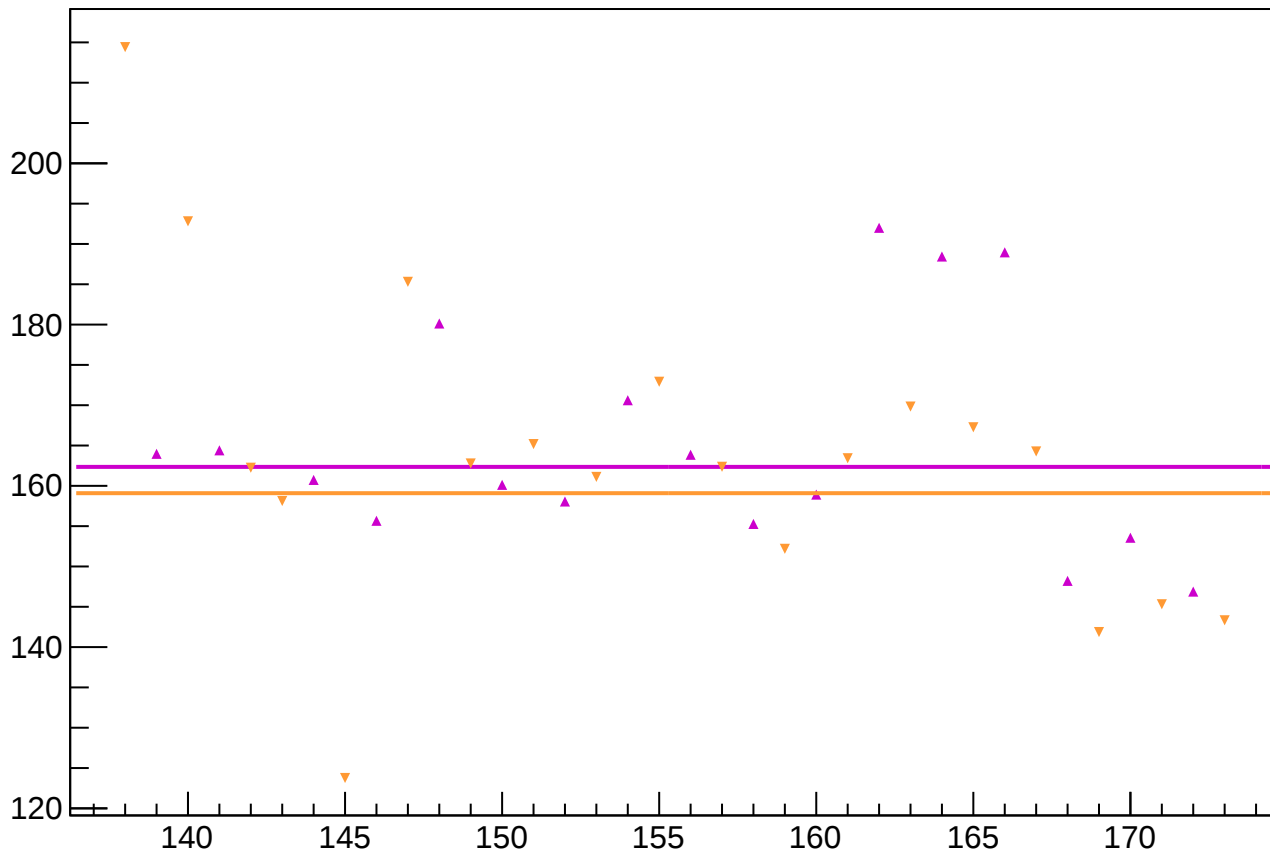
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 90.043 $\pm$ 44.904 χ^2 /NDF:18.9/16

Out: 76.048 $\pm$ 42.725 χ^2 /NDF:16.1/18

All: 82.698 $\pm$ 30.952 χ^2 /NDF: 35.0/35

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 159.090+/-0.030 χ^2 /NDF:379026.3/18

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

Left In: 162.352+/-0.032 χ^2 /NDF:142756.5/16

Left: 160.640+/-0.022 χ^2 /NDF: 527322.2/35

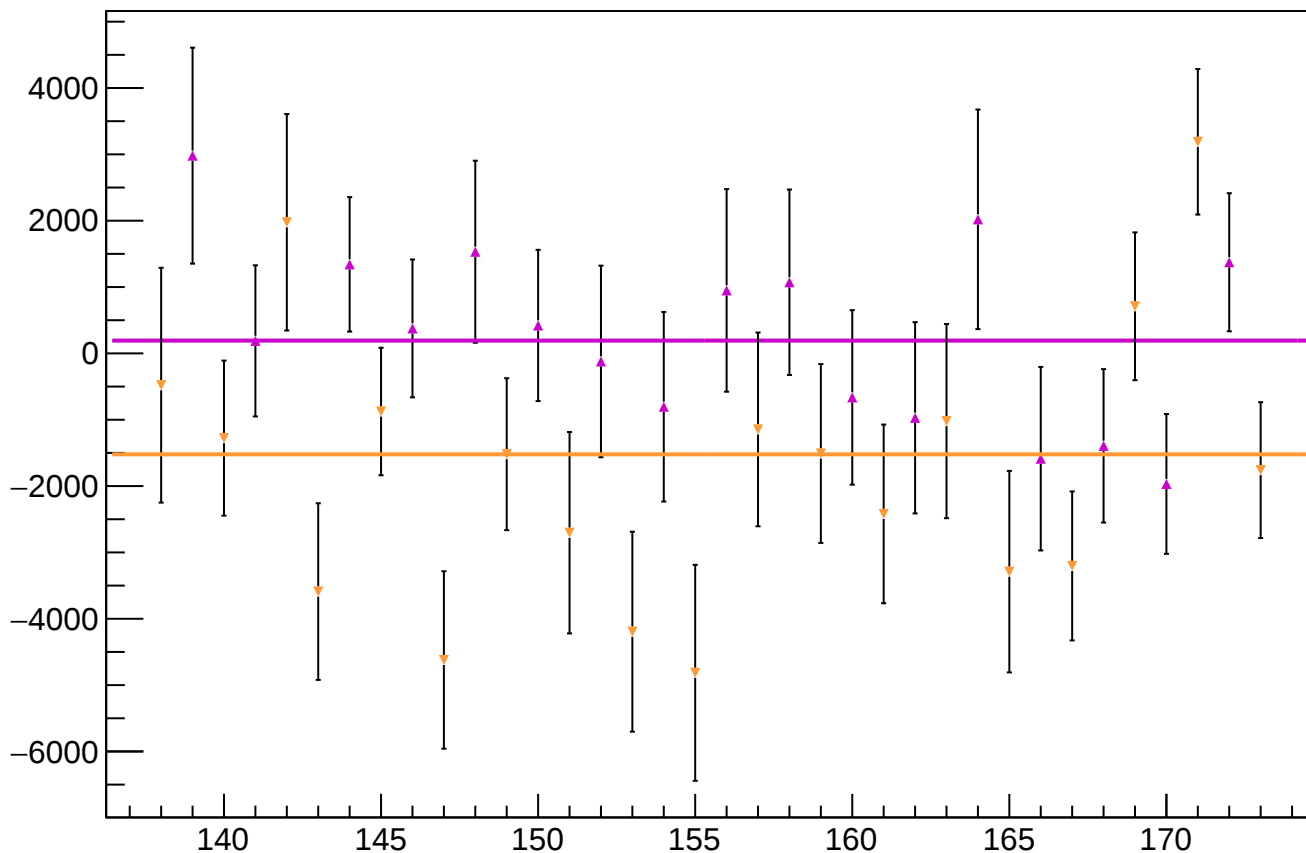
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 162.352+/-0.032 χ^2 /NDF:142756.5/16

Out: 159.090+/-0.030 χ^2 /NDF:379026.3/18

All: 160.640+/-0.022 χ^2 /NDF: 527322.2/35

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1521.506+/-294.848 χ^2/NDF : 47.8/18

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

Left In: 192.961+/-304.583 χ^2/NDF : 17.7/16

Left: -692.110+/-211.847 χ^2/NDF : 81.9/35

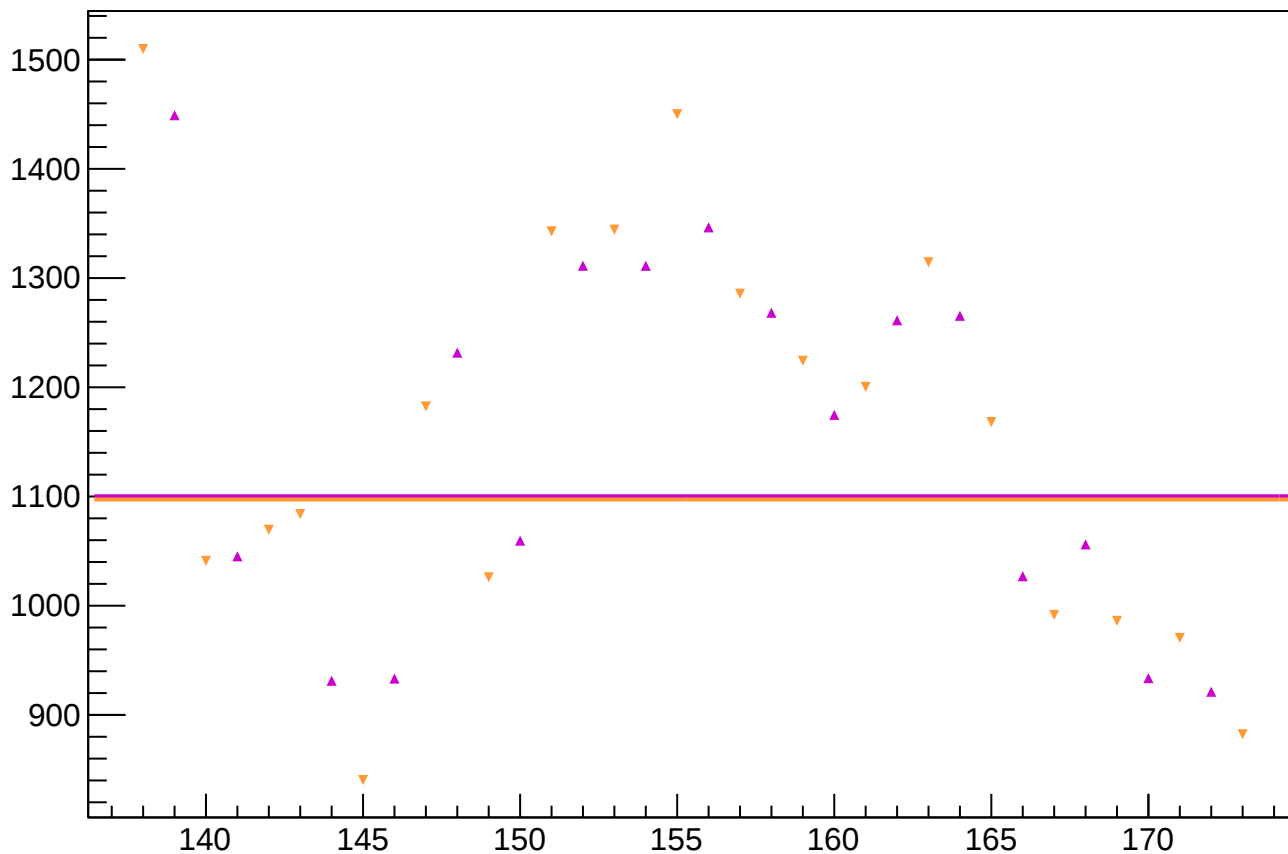
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 192.961+/-304.583 χ^2/NDF : 17.7/16

Out: -1521.506+/-294.848 χ^2/NDF : 47.8/18

All: -692.110+/-211.847 χ^2/NDF : 81.9/35

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1097.240+/-0.208 χ^2/NDF :736574.2/18

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

Left In: 1100.177+/-0.215 χ^2/NDF :560972.4/16

Left: 1098.661+/-0.150 χ^2/NDF : 1297642.6/35

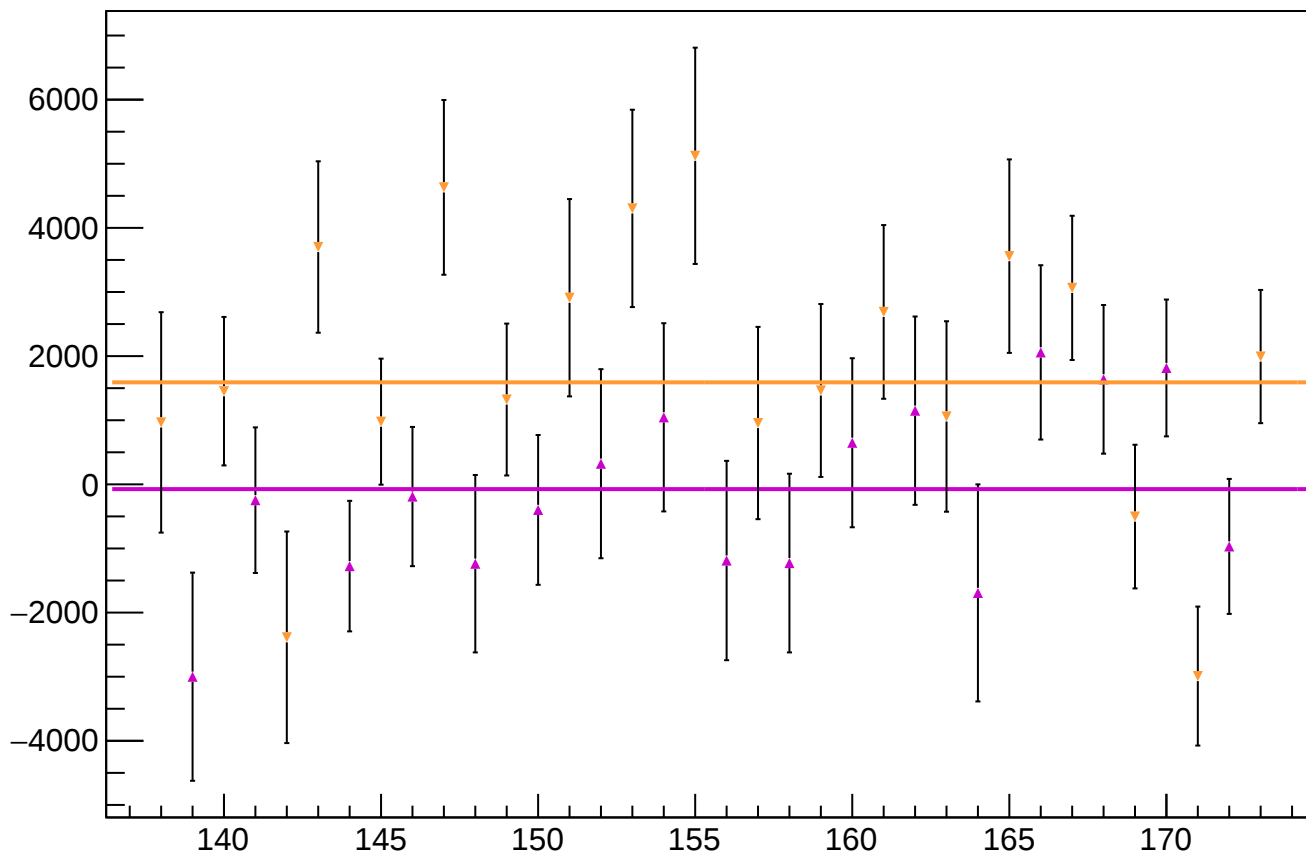
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1100.177+/-0.215 χ^2/NDF :560972.4/16

Out: 1097.240+/-0.208 χ^2/NDF :736574.2/18

All: 1098.661+/-0.150 χ^2/NDF : 1297642.6/35

asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 1591.002+/-297.608 χ^2/NDF :48.0/18

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

Left In: -74.250+/-308.165 χ^2/NDF :17.7/16

Left: 787.387+/-214.076 χ^2/NDF : 80.8/35

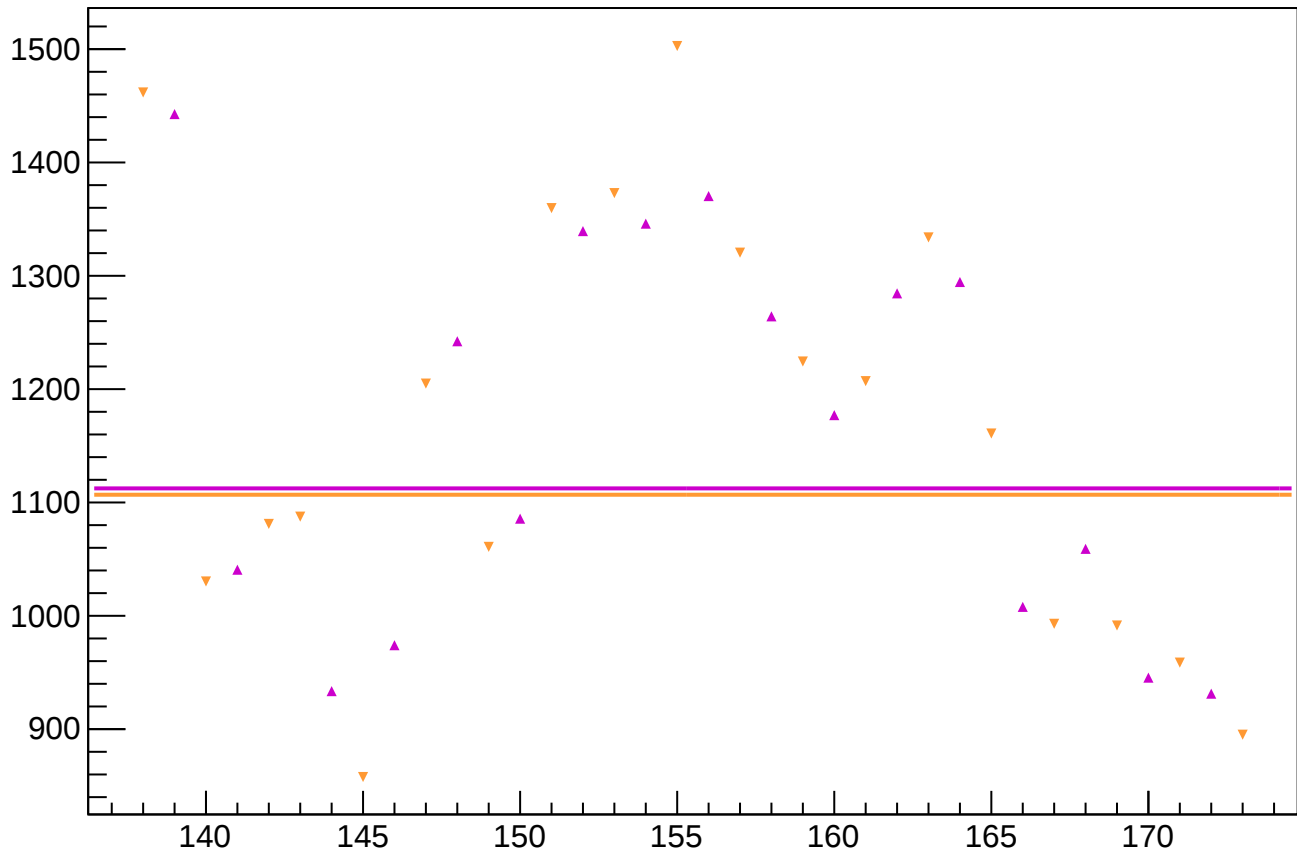
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -74.250+/-308.165 χ^2/NDF :17.7/16

Out: 1591.002+/-297.608 χ^2/NDF :48.0/18

All: 787.387+/-214.076 χ^2/NDF : 80.8/35

asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 1106.827+/-0.210 χ^2/NDF : 738885.0/18

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

Left In: 1112.423+/-0.218 χ^2/NDF : 560202.4/16

Left: 1109.527+/-0.151 χ^2/NDF : 1299428.6/35

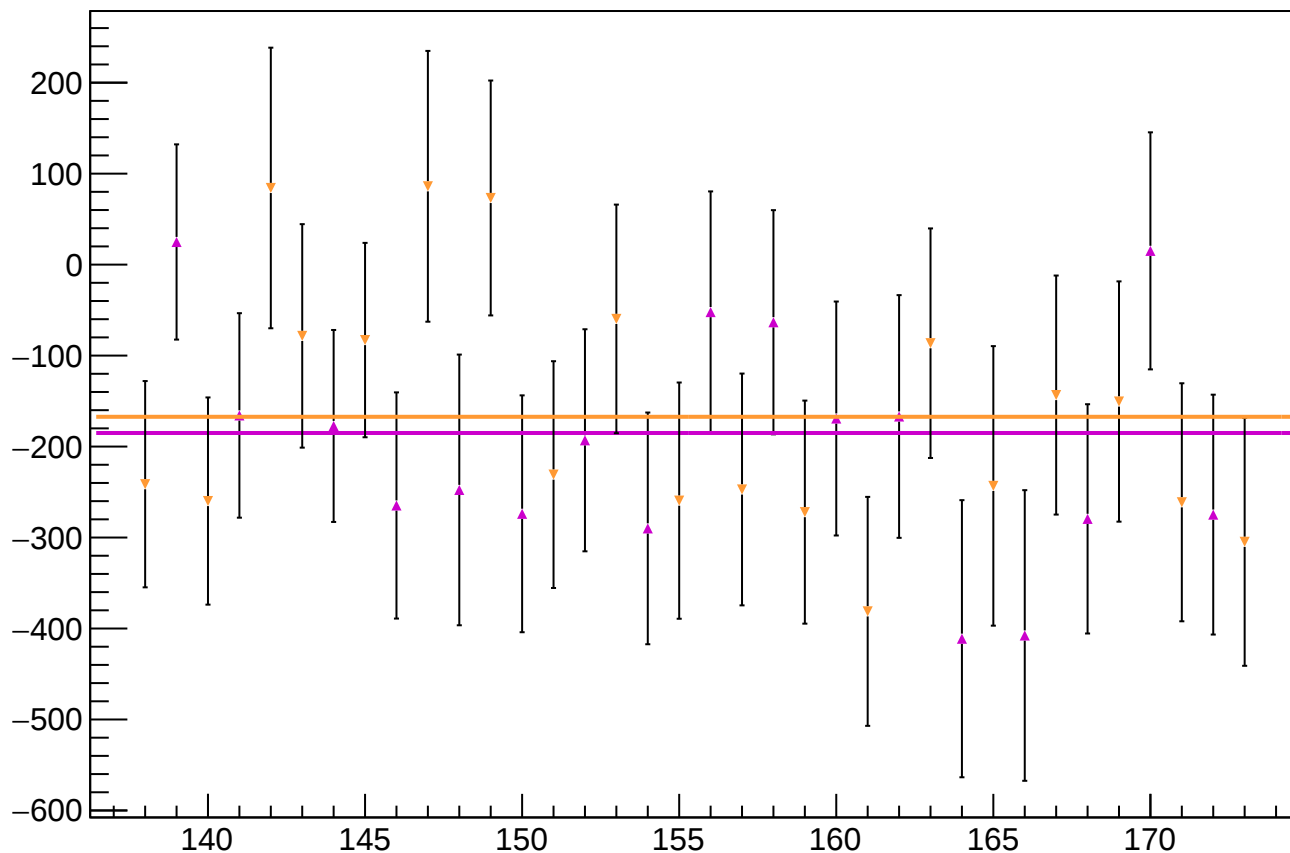
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1112.423+/-0.218 χ^2/NDF : 560202.4/16

Out: 1106.827+/-0.210 χ^2/NDF : 738885.0/18

All: 1109.527+/-0.151 χ^2/NDF : 1299428.6/35

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -167.273 ± 29.272 $\chi^2/\text{NDF}: 19.0/18$

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

Left In: -185.078 ± 30.793 $\chi^2/\text{NDF}: 15.1/16$

Left: -175.725 ± 21.216 $\chi^2/\text{NDF}: 34.3/35$

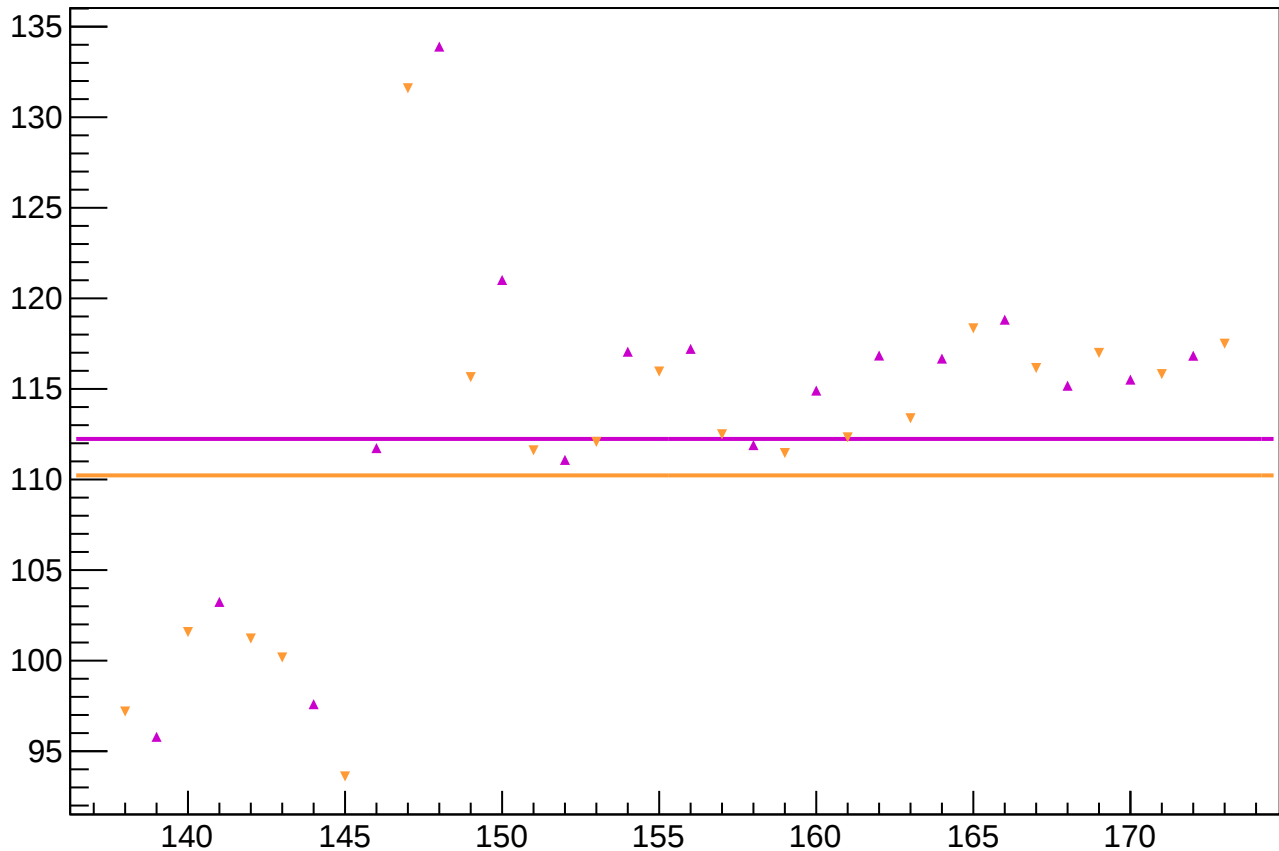
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -185.078 ± 30.793 $\chi^2/\text{NDF}: 15.1/16$

Out: -167.273 ± 29.272 $\chi^2/\text{NDF}: 19.0/18$

All: -175.725 ± 21.216 $\chi^2/\text{NDF}: 34.3/35$

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 110.227+/-0.021 χ^2/NDF :182826.3/18

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

Left In: 112.240+/-0.022 χ^2/NDF :168815.5/16

Left: 111.183+/-0.015 χ^2/NDF : 356130.1/35

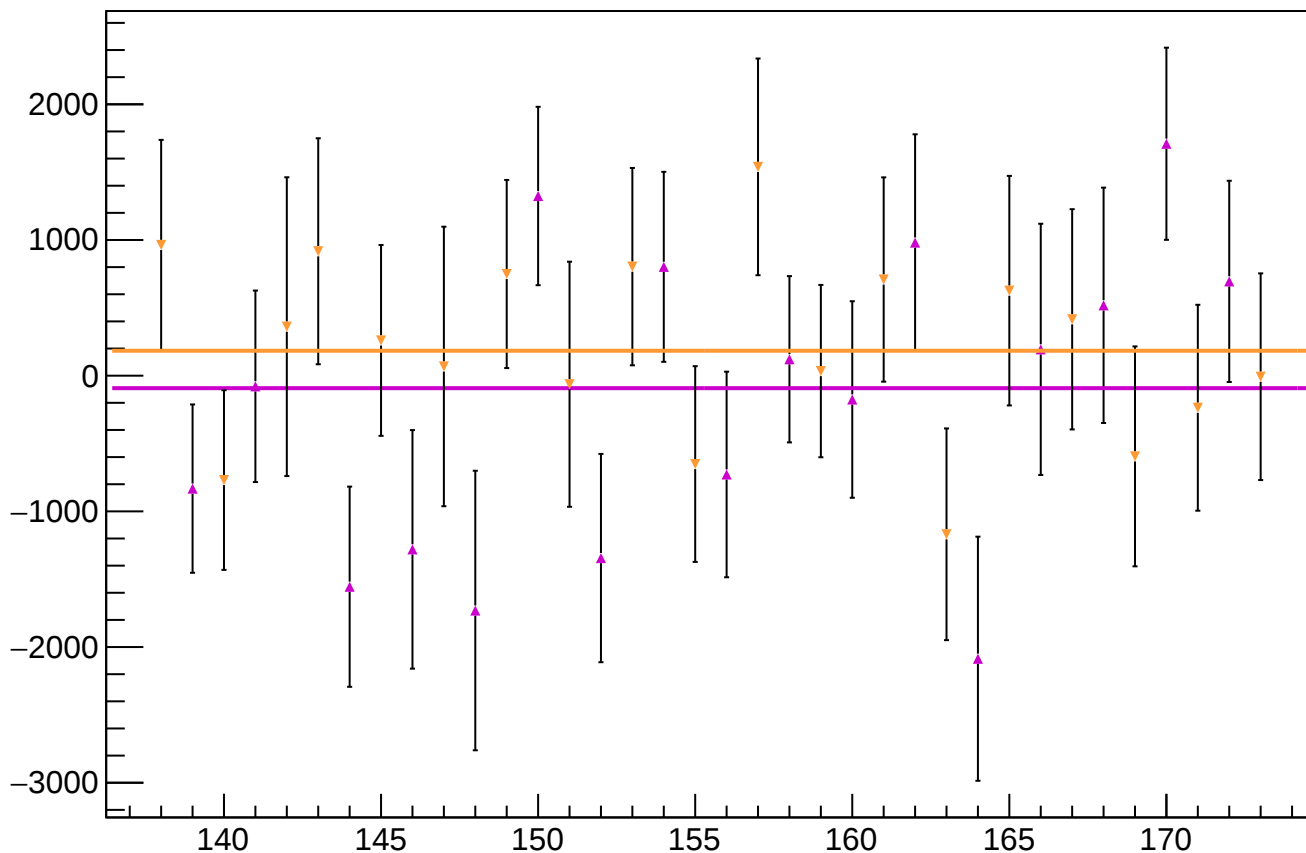
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 112.240+/-0.022 χ^2/NDF :168815.5/16

Out: 110.227+/-0.021 χ^2/NDF :182826.3/18

All: 111.183+/-0.015 χ^2/NDF : 356130.1/35

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 183.732+/-177.738 χ^2/NDF :14.8/18

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

Left In: -92.020+/-182.084 χ^2/NDF :34.4/16

Left: 49.186+/-127.189 χ^2/NDF : 50.4/35

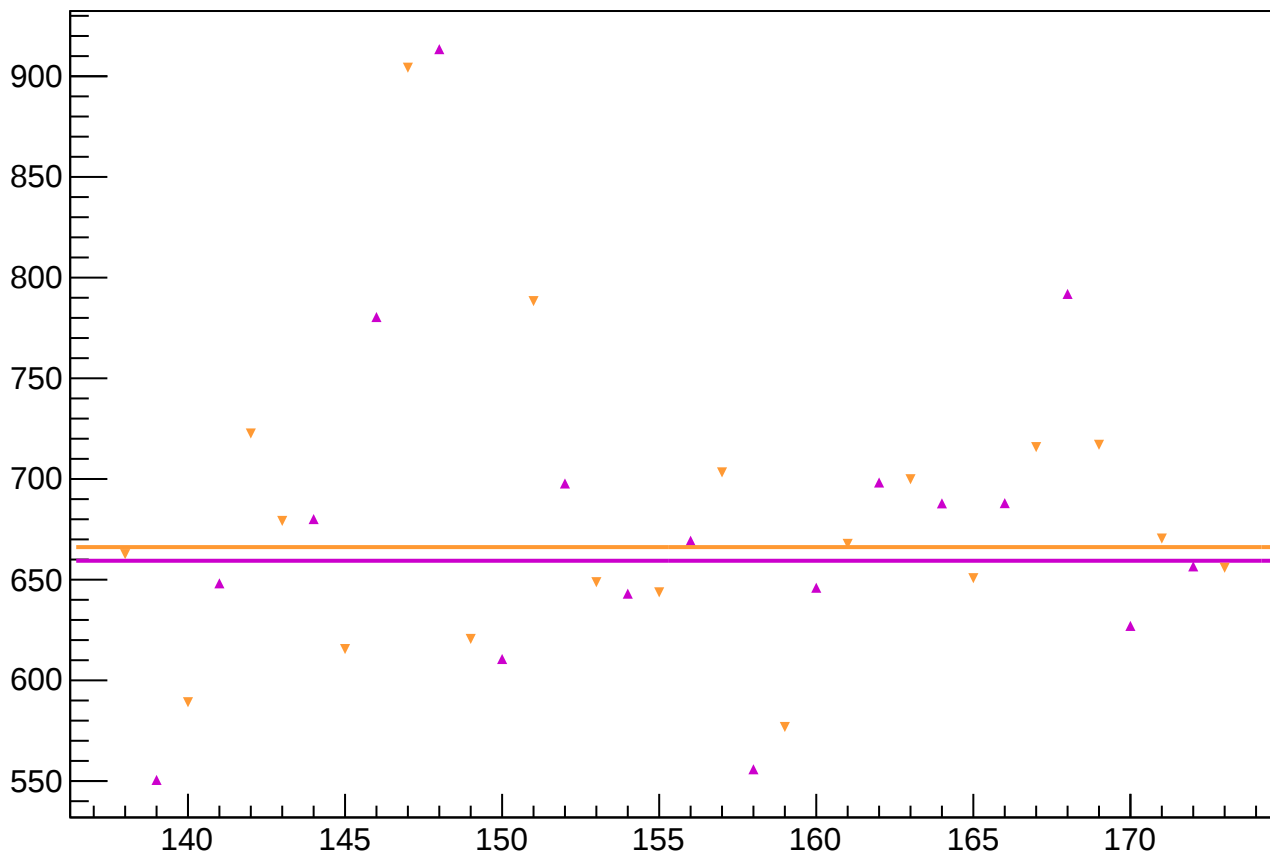
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -92.020+/-182.084 χ^2/NDF :34.4/16

Out: 183.732+/-177.738 χ^2/NDF :14.8/18

All: 49.186+/-127.189 χ^2/NDF : 50.4/35

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 666.179 $\pm$ 0.126 χ^2/NDF :262451.1/18

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

Left In: 659.395 $\pm$ 0.129 χ^2/NDF :358063.9/16

Left: 662.869 $\pm$ 0.090 χ^2/NDF : 621936.7/35

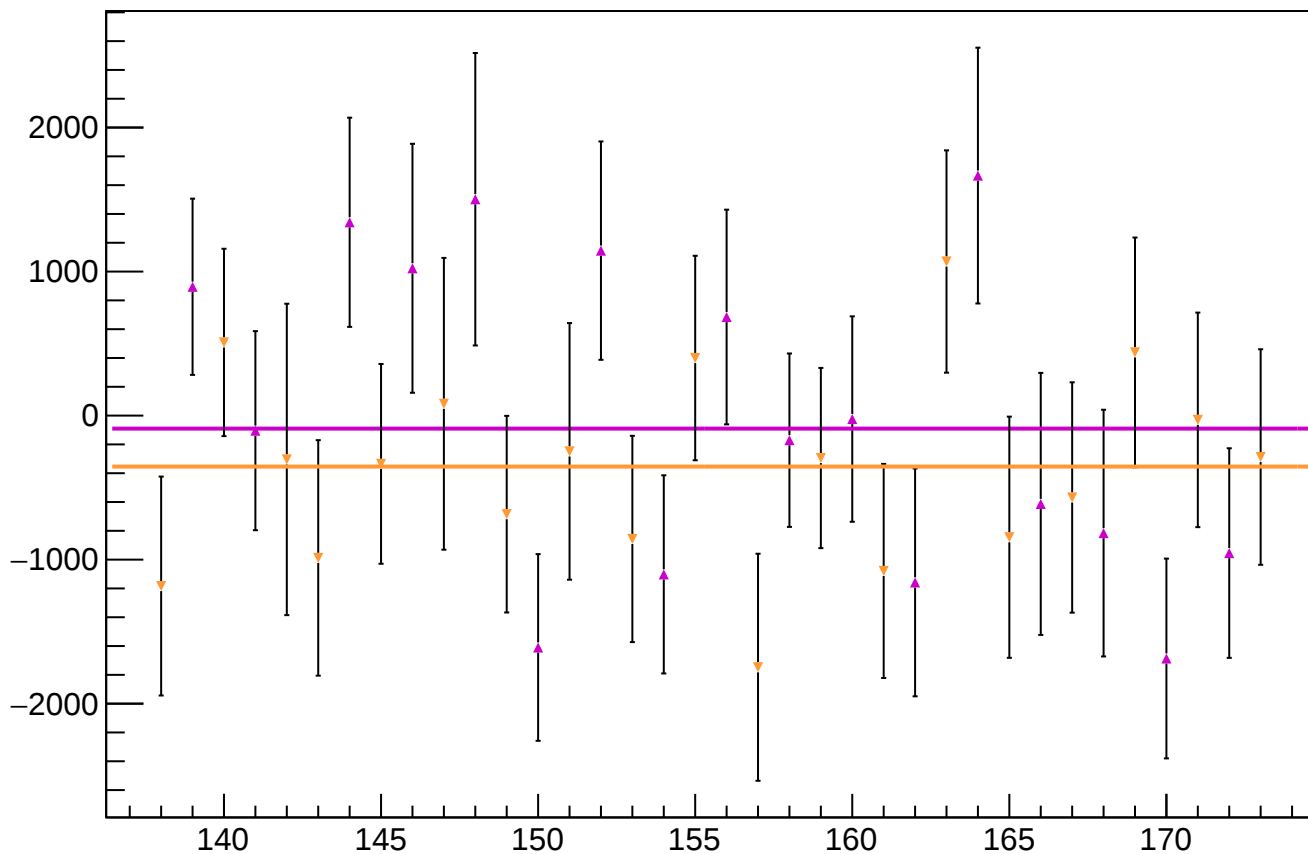
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 659.395 $\pm$ 0.129 χ^2/NDF :358063.9/16

Out: 666.179 $\pm$ 0.126 χ^2/NDF :262451.1/18

All: 662.869 $\pm$ 0.090 χ^2/NDF : 621936.7/35

asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -353.925+/-175.018 χ^2/NDF :14.7/18

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

Left In: -90.316+/-179.219 χ^2/NDF :35.5/16

Left: -225.246+/-125.215 χ^2/NDF : 51.3/35

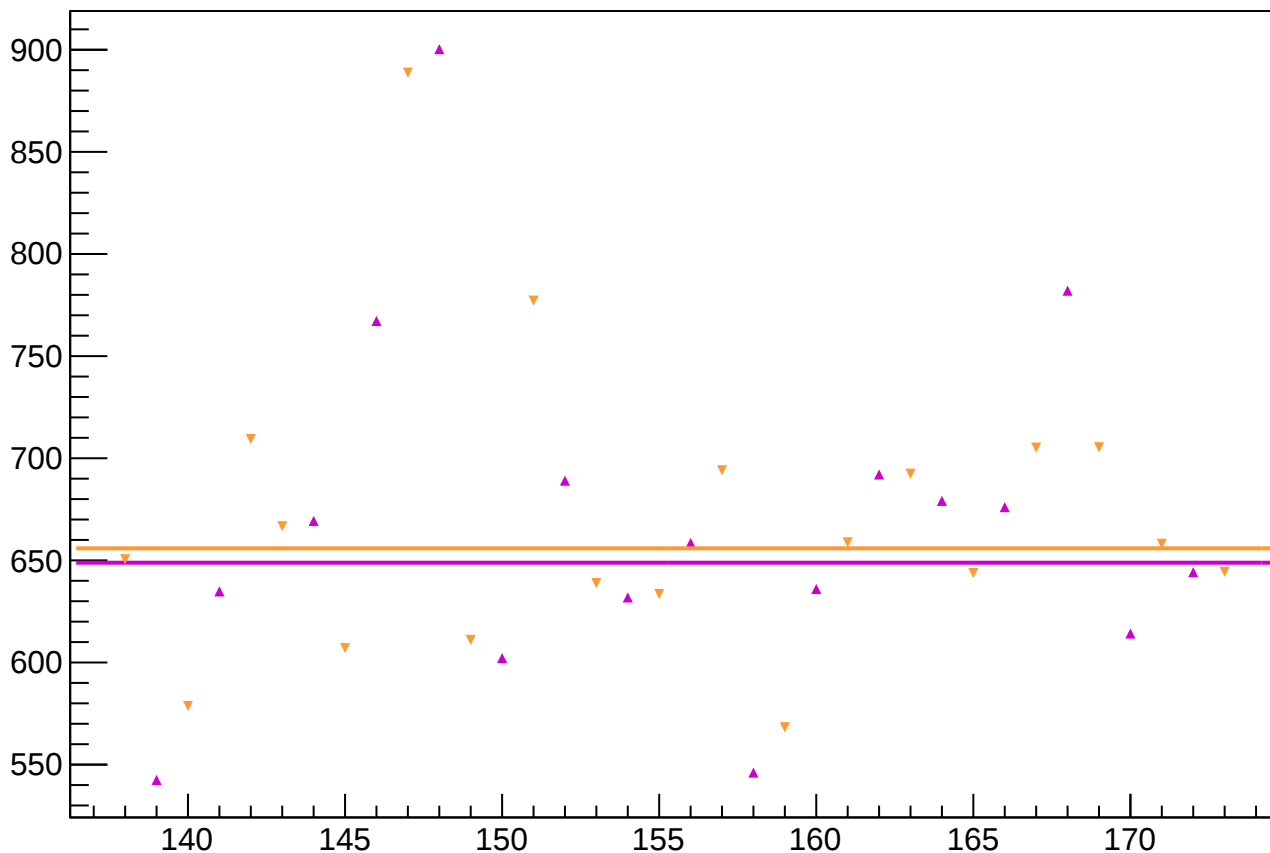
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -90.316+/-179.219 χ^2/NDF :35.5/16

Out: -353.925+/-175.018 χ^2/NDF :14.7/18

All: -225.246+/-125.215 χ^2/NDF : 51.3/35

asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 655.900+/-0.124 χ^2/NDF :262640.3/18

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

Left In: 648.864+/-0.127 χ^2/NDF :363013.4/16

Left: 652.465+/-0.089 χ^2/NDF : 627231.8/35

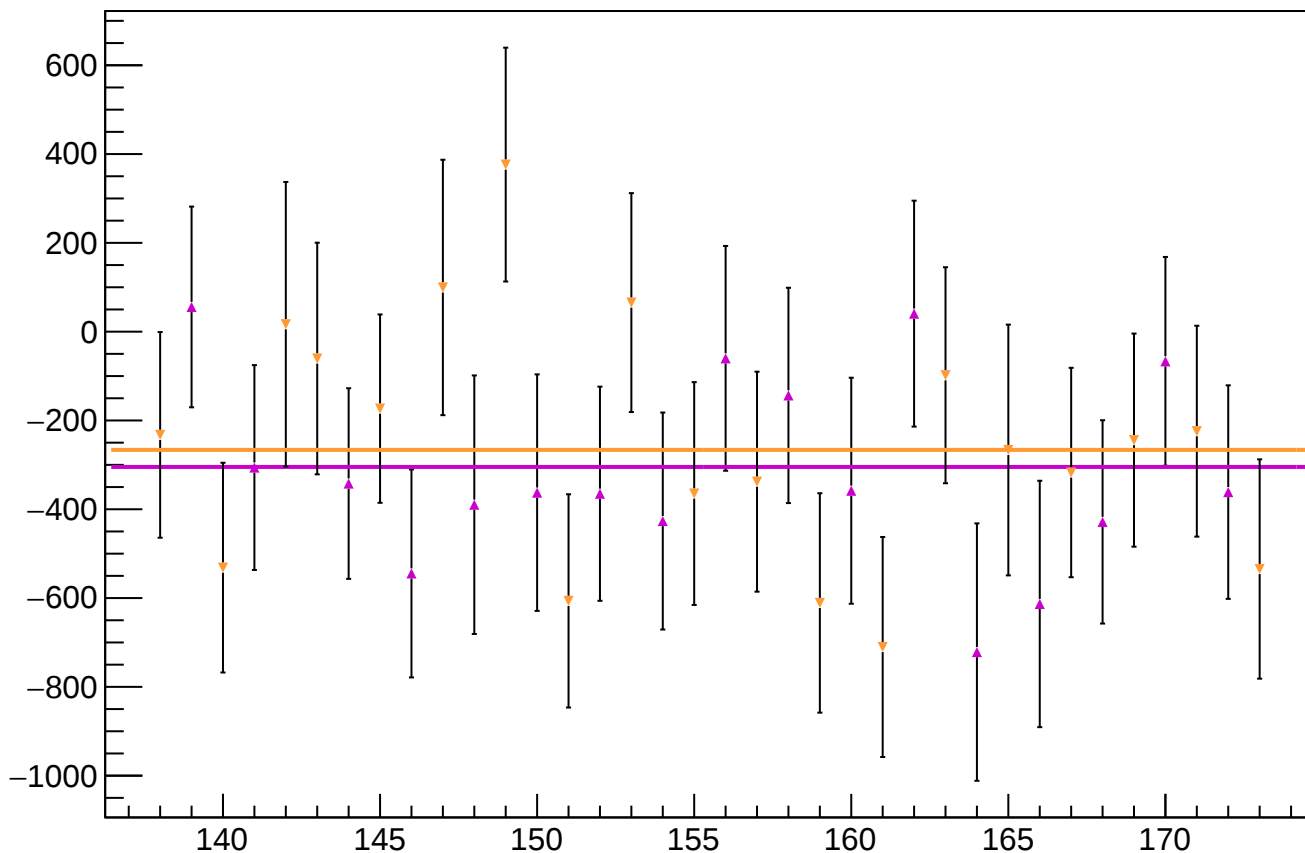
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 648.864+/-0.127 χ^2/NDF :363013.4/16

Out: 655.900+/-0.124 χ^2/NDF :262640.3/18

All: 652.465+/-0.089 χ^2/NDF : 627231.8/35

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -266.222+/-57.048 χ^2/NDF :21.4/18

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

Left In: -304.679+/-59.656 χ^2/NDF :12.0/16

Left: -284.592+/-41.230 χ^2/NDF : 33.6/35

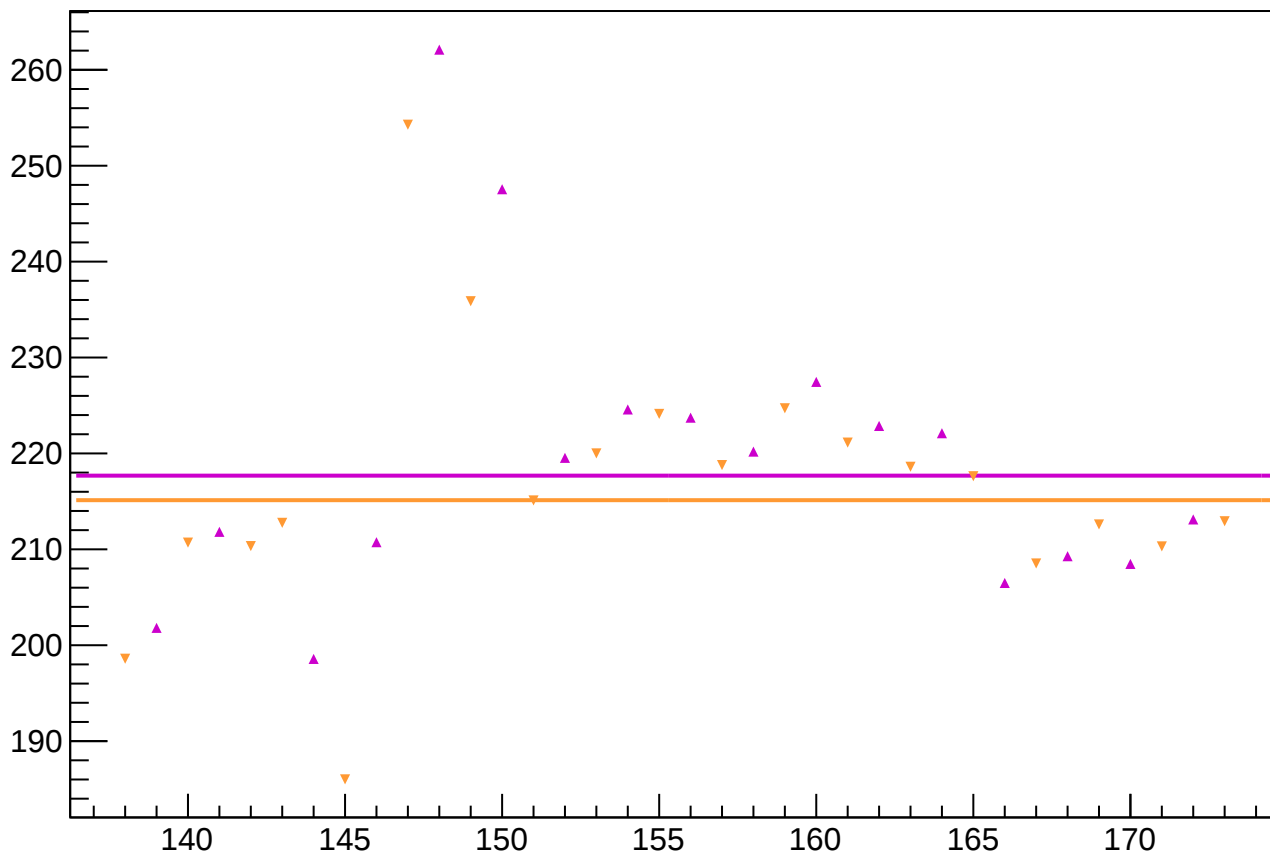
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -304.679+/-59.656 χ^2/NDF :12.0/16

Out: -266.222+/-57.048 χ^2/NDF :21.4/18

All: -284.592+/-41.230 χ^2/NDF : 33.6/35

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 215.124+/-0.040 χ^2/NDF :109948.5/18

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

Left In: 217.683+/-0.042 χ^2/NDF :117493.3/16

Left: 216.347+/-0.029 χ^2/NDF : 229363.4/35

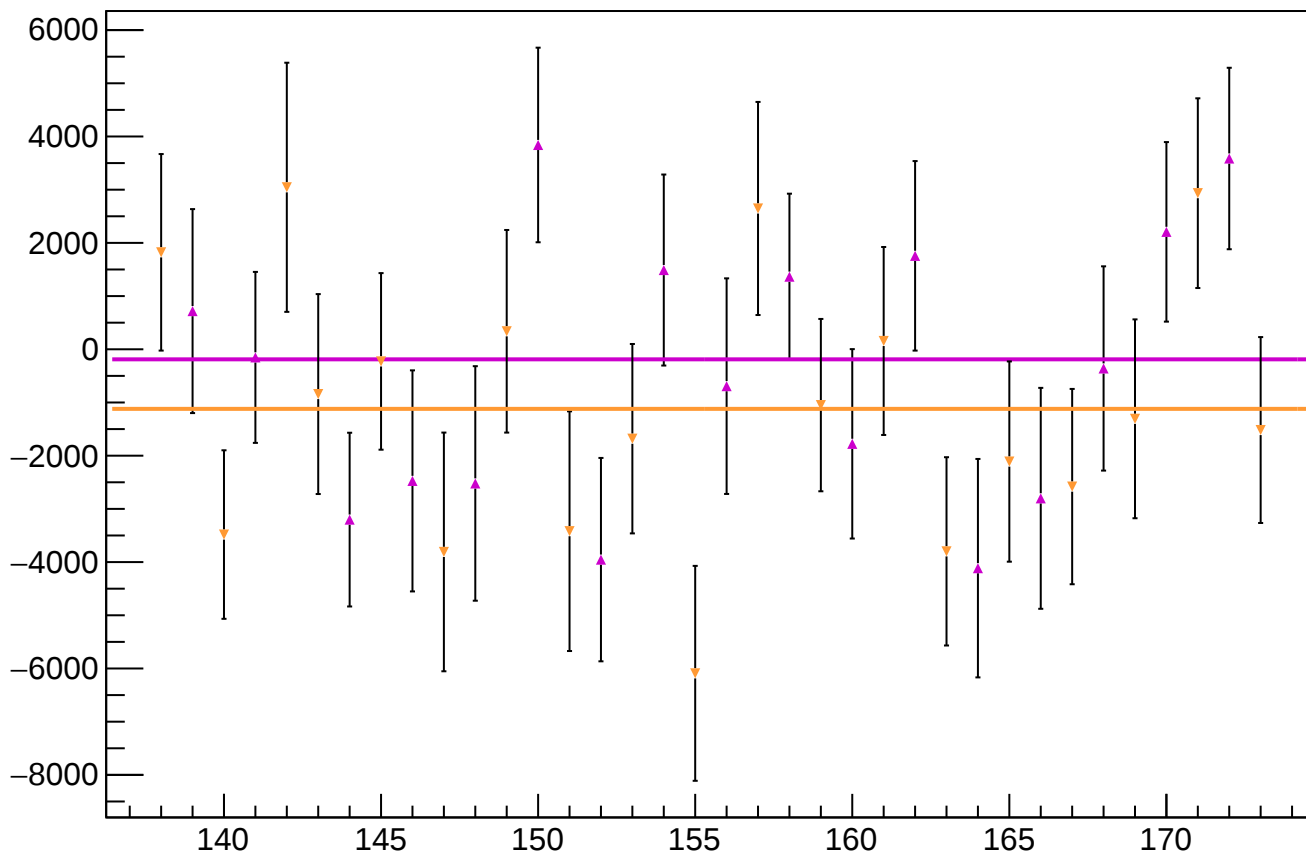
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 217.683+/-0.042 χ^2/NDF :117493.3/16

Out: 215.124+/-0.040 χ^2/NDF :109948.5/18

All: 216.347+/-0.029 χ^2/NDF : 229363.4/35

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1119.865+/-425.238 χ^2/NDF :30.0/18

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

Left In: -188.961+/-443.873 χ^2/NDF :30.8/16

Left: -674.364+/-307.066 χ^2/NDF : 63.0/35

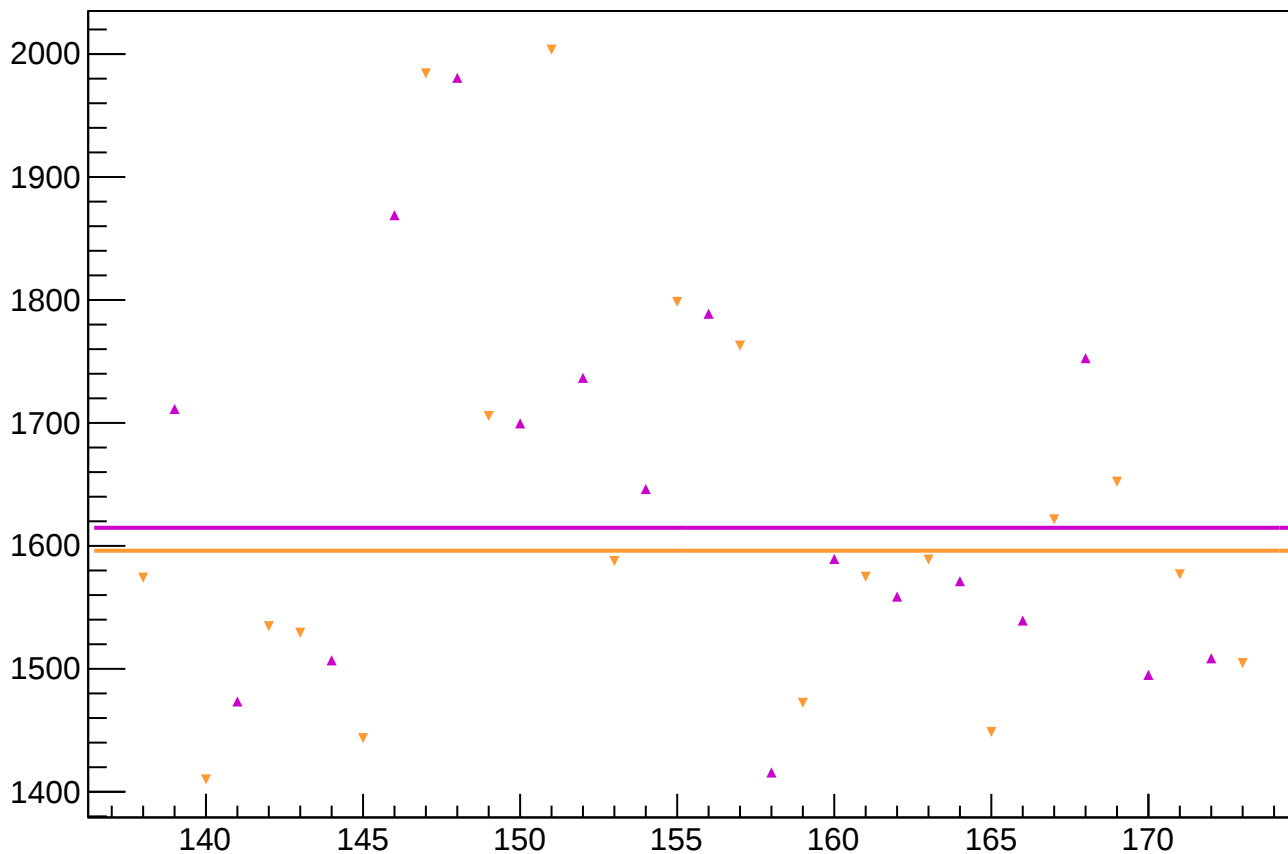
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -188.961+/-443.873 χ^2/NDF :30.8/16

Out: -1119.865+/-425.238 χ^2/NDF :30.0/18

All: -674.364+/-307.066 χ^2/NDF : 63.0/35

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1596.076+/-0.301 χ^2/NDF :246729.2/18

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

Left In: 1614.725+/-0.314 χ^2/NDF :208779.6/16

Left: 1605.001+/-0.217 χ^2/NDF : 457349.5/35

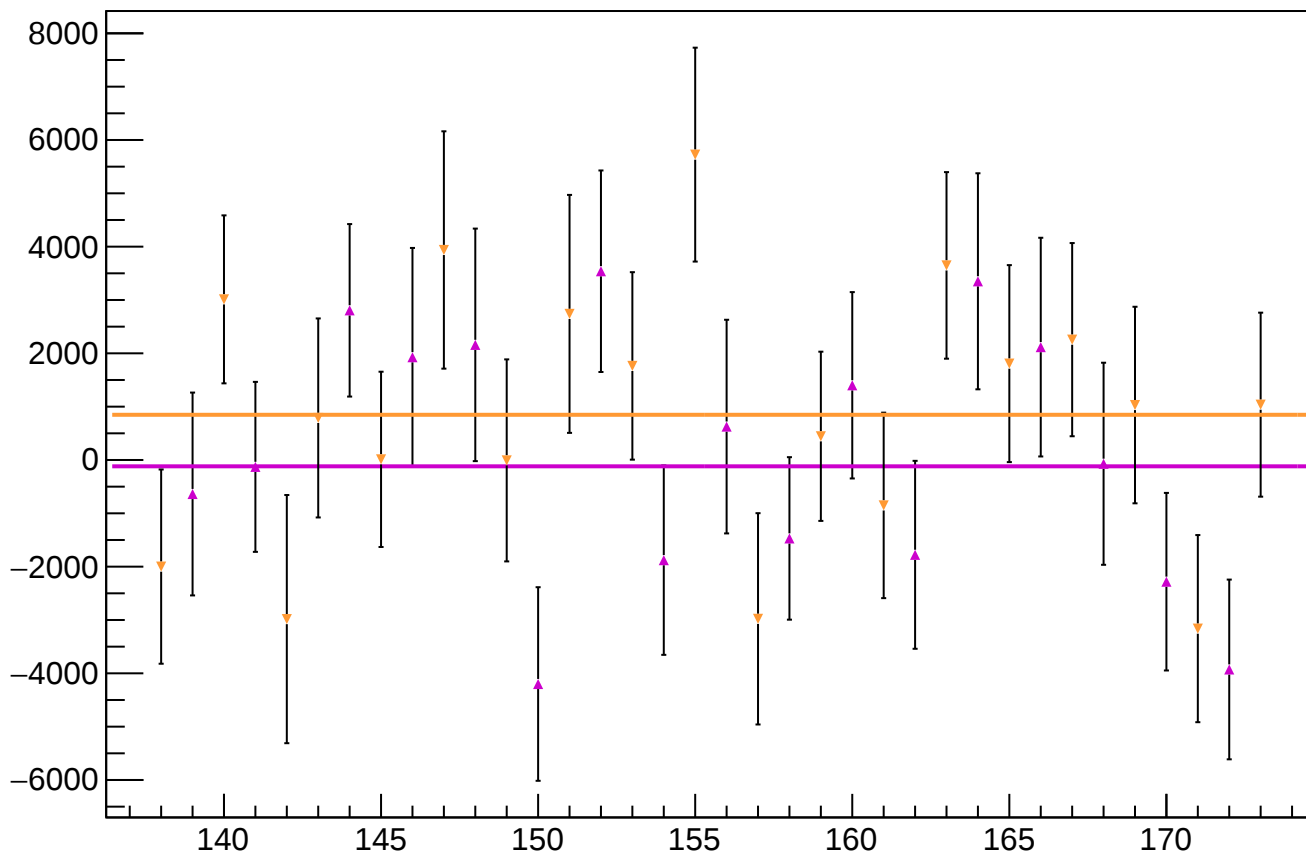
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1614.725+/-0.314 χ^2/NDF :208779.6/16

Out: 1596.076+/-0.301 χ^2/NDF :246729.2/18

All: 1605.001+/-0.217 χ^2/NDF : 457349.5/35

asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 847.481+/-420.170 χ^2/NDF :29.8/18

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

Left In: -118.696+/-438.304 χ^2/NDF :28.7/16

Left: 384.792+/-303.313 χ^2/NDF : 61.0/35

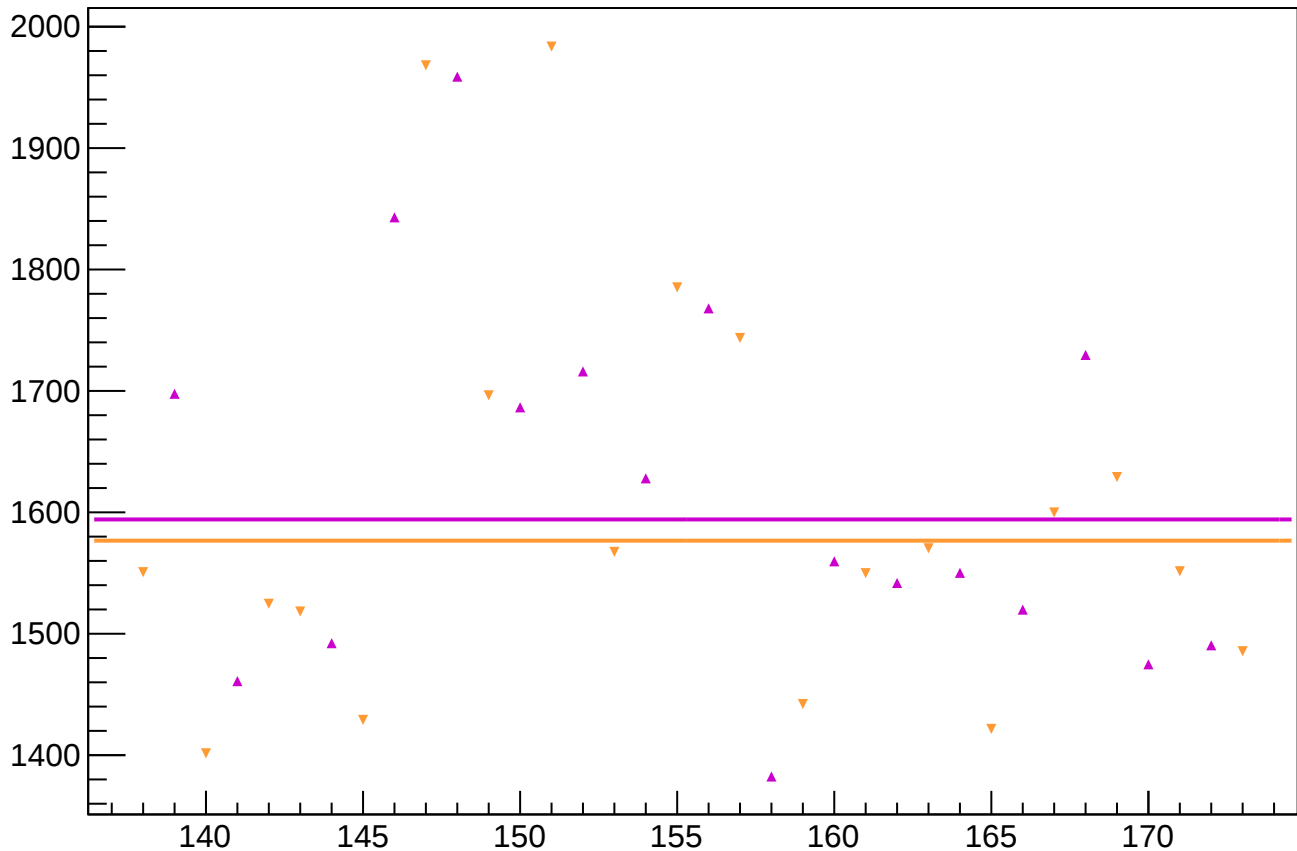
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -118.696+/-438.304 χ^2/NDF :28.7/16

Out: 847.481+/-420.170 χ^2/NDF :29.8/18

All: 384.792+/-303.313 χ^2/NDF : 61.0/35

asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 1576.677+/-0.297 χ^2/NDF :253507.8/18

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

Left In: 1594.135+/-0.310 χ^2/NDF :215418.3/16

Left: 1585.037+/-0.214 χ^2/NDF : 470579.7/35

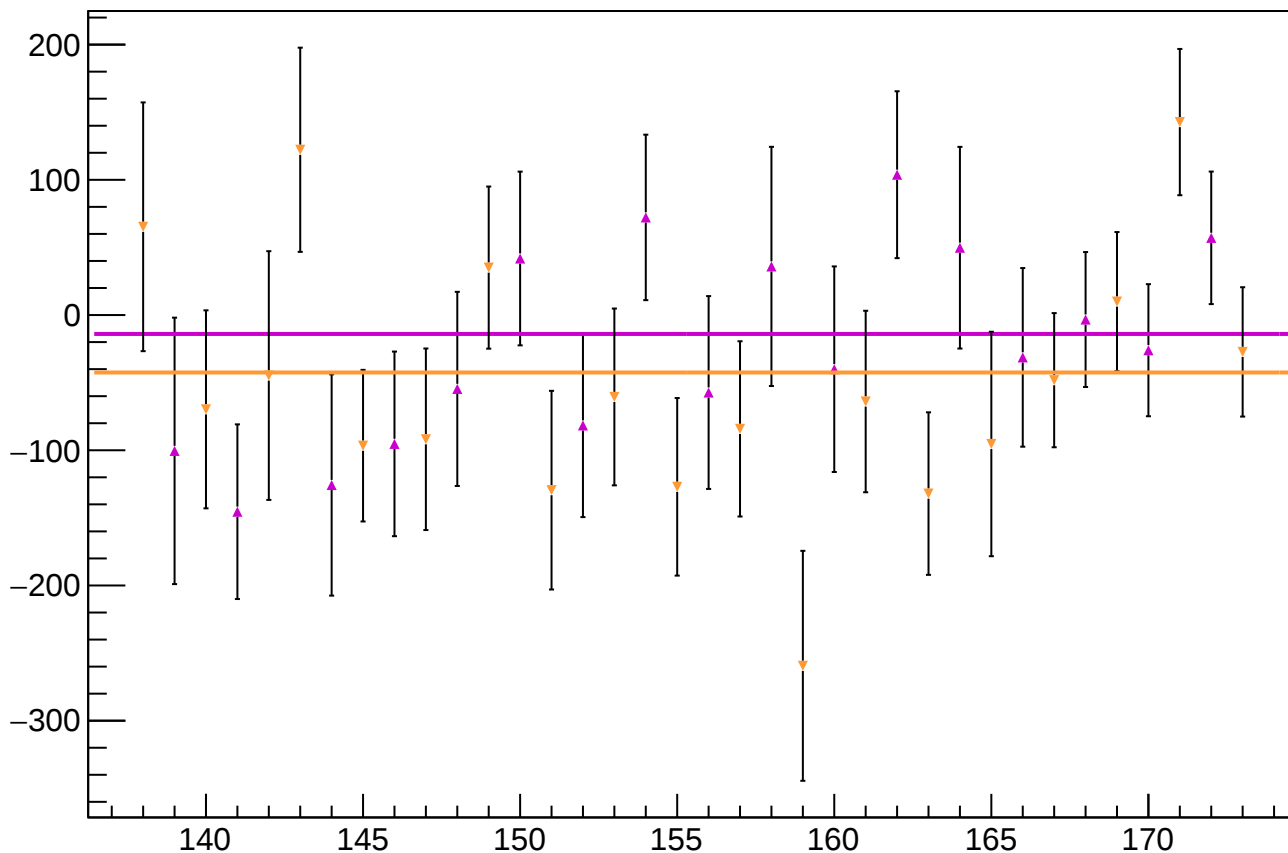
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1594.135+/-0.310 χ^2/NDF :215418.3/16

Out: 1576.677+/-0.297 χ^2/NDF :253507.8/18

All: 1585.037+/-0.214 χ^2/NDF : 470579.7/35

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -42.480 ± 14.662 $\chi^2/\text{NDF}: 35.1/18$

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

Left In: -13.978 ± 15.745 $\chi^2/\text{NDF}: 19.7/16$

Left: -29.242 ± 10.730 $\chi^2/\text{NDF}: 56.5/35$

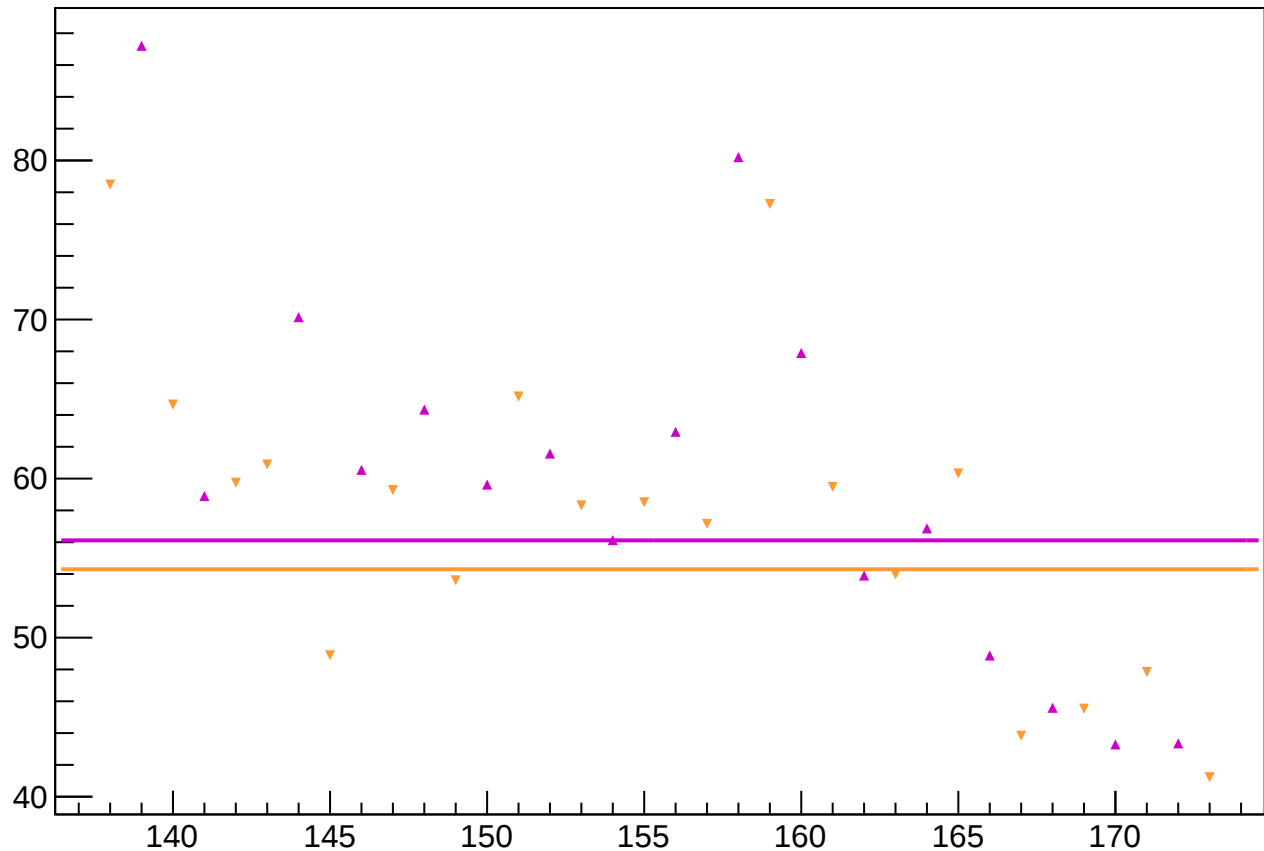
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -13.978 ± 15.745 $\chi^2/\text{NDF}: 19.7/16$

Out: -42.480 ± 14.662 $\chi^2/\text{NDF}: 35.1/18$

All: -29.242 ± 10.730 $\chi^2/\text{NDF}: 56.5/35$

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 54.299+/-0.010 χ^2/NDF : 787145.5/18

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

Left In: 56.116+/-0.011 χ^2/NDF : 919537.5/16

Left: 55.143+/-0.008 χ^2/NDF : 1720947.0/35

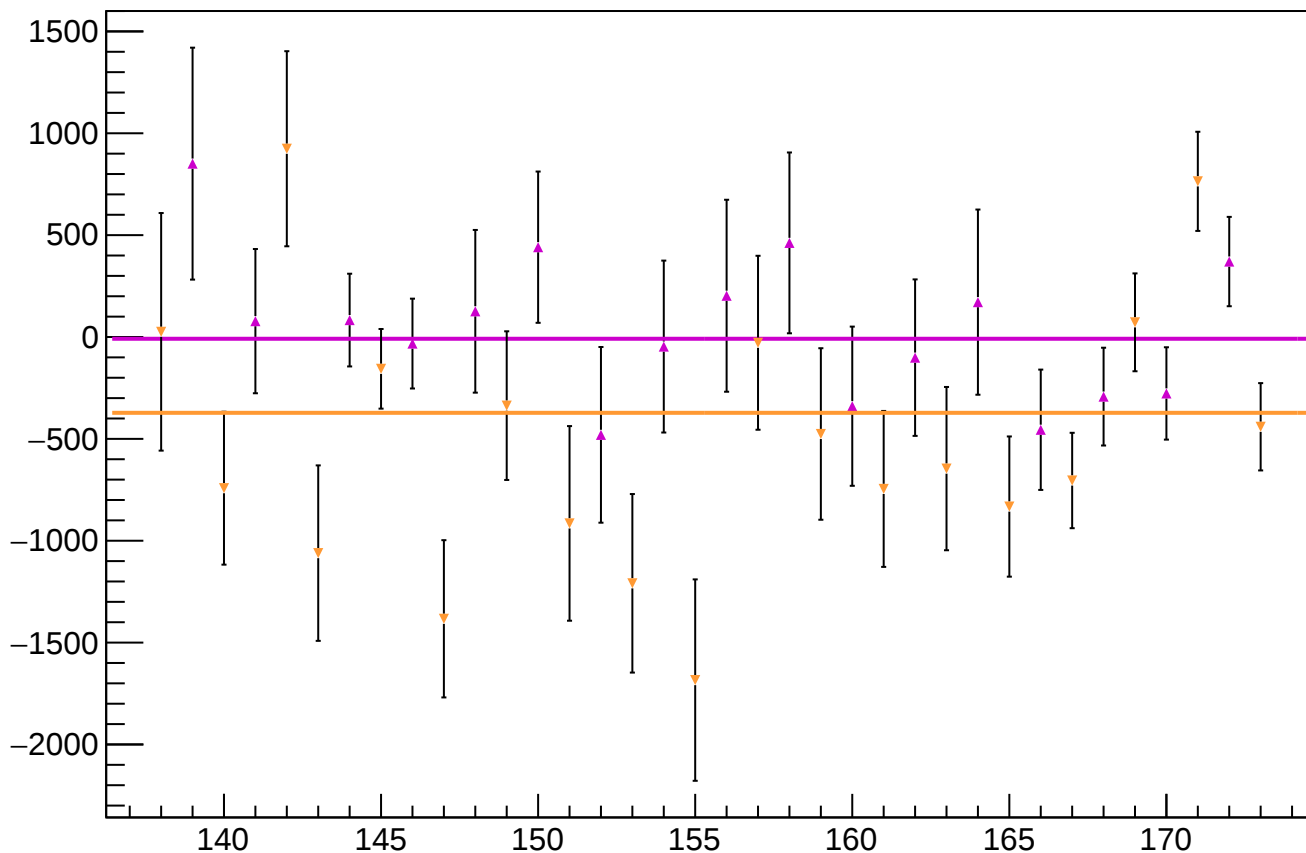
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 56.116+/-0.011 χ^2/NDF : 919537.5/16

Out: 54.299+/-0.010 χ^2/NDF : 787145.5/18

All: 55.143+/-0.008 χ^2/NDF : 1720947.0/35

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -372.135+/-74.381 χ^2/NDF : 62.7/18

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

Left In: -8.625+/-76.178 χ^2/NDF : 15.6/16

Left: -194.719+/-53.219 χ^2/NDF : 89.9/35

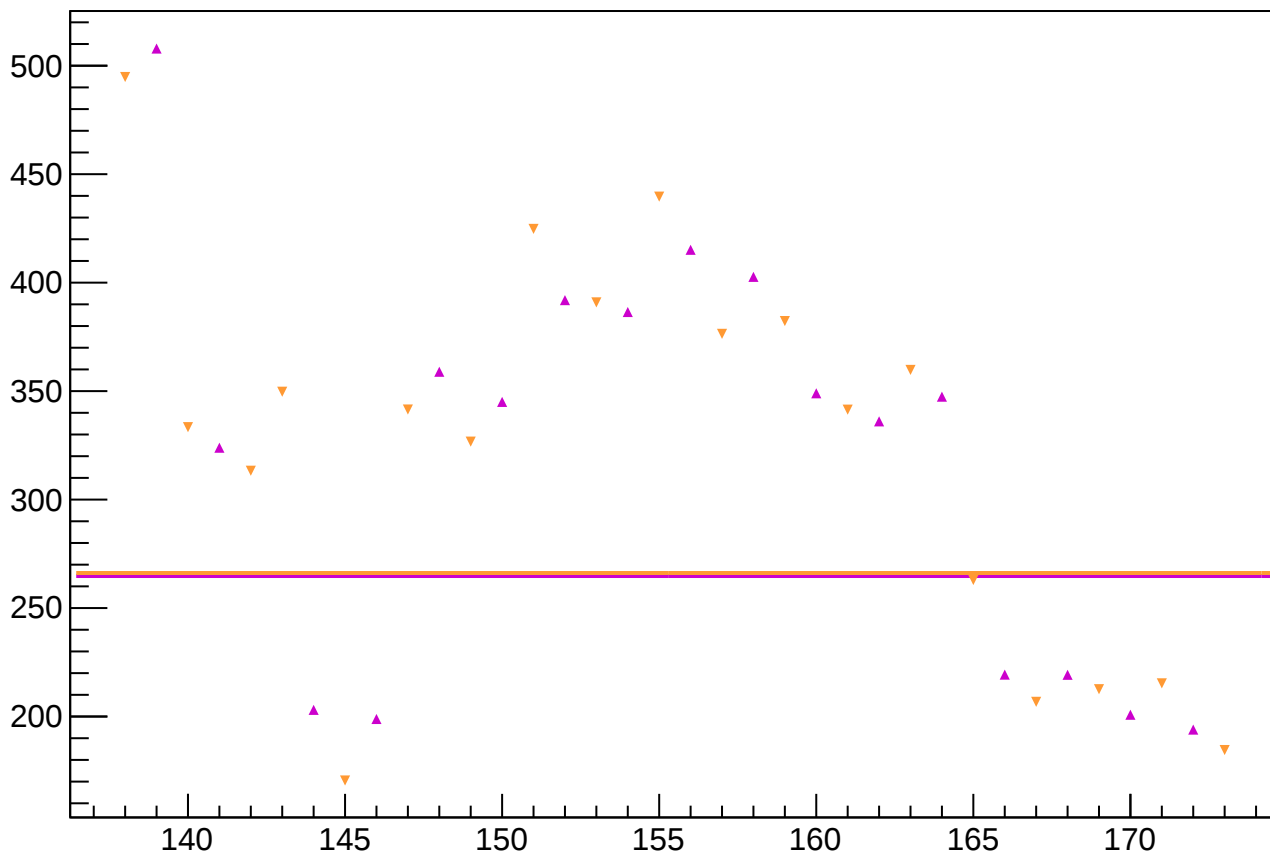
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.625+/-76.178 χ^2/NDF : 15.6/16

Out: -372.135+/-74.381 χ^2/NDF : 62.7/18

All: -194.719+/-53.219 χ^2/NDF : 89.9/35

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 266.157+/-0.053 χ^2/NDF :2783450.8/18

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

Left In: 264.771+/-0.054 χ^2/NDF :2403431.5/16

Left: 265.481+/-0.038 χ^2/NDF : 5187221.2/35

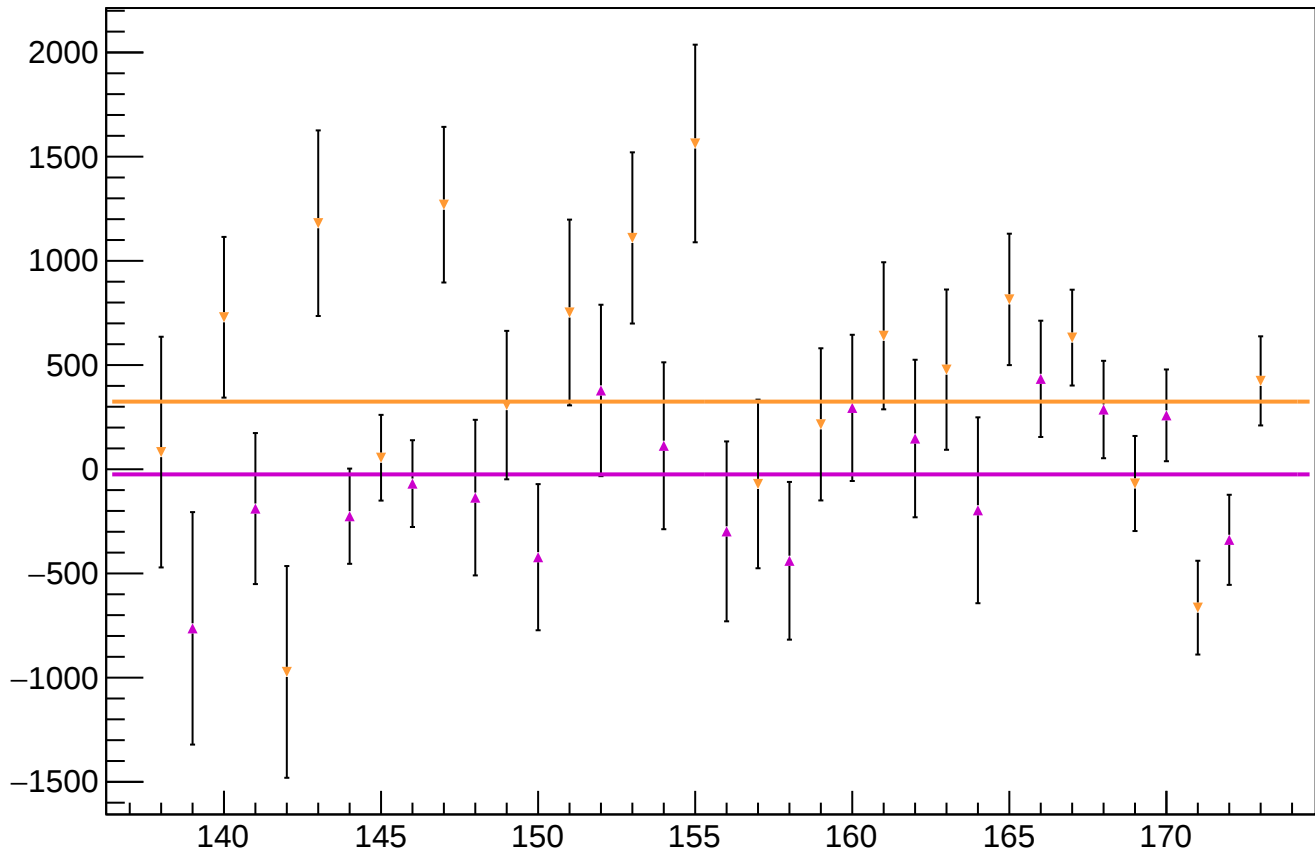
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 264.771+/-0.054 χ^2/NDF :2403431.5/16

Out: 266.157+/-0.053 χ^2/NDF :2783450.8/18

All: 265.481+/-0.038 χ^2/NDF : 5187221.2/35

asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: 324.604+/-72.314 χ^2/NDF :59.7/18

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

Left In: -24.619+/-73.283 χ^2/NDF :16.3/16

Left: 152.317+/-51.473 χ^2/NDF : 87.5/35

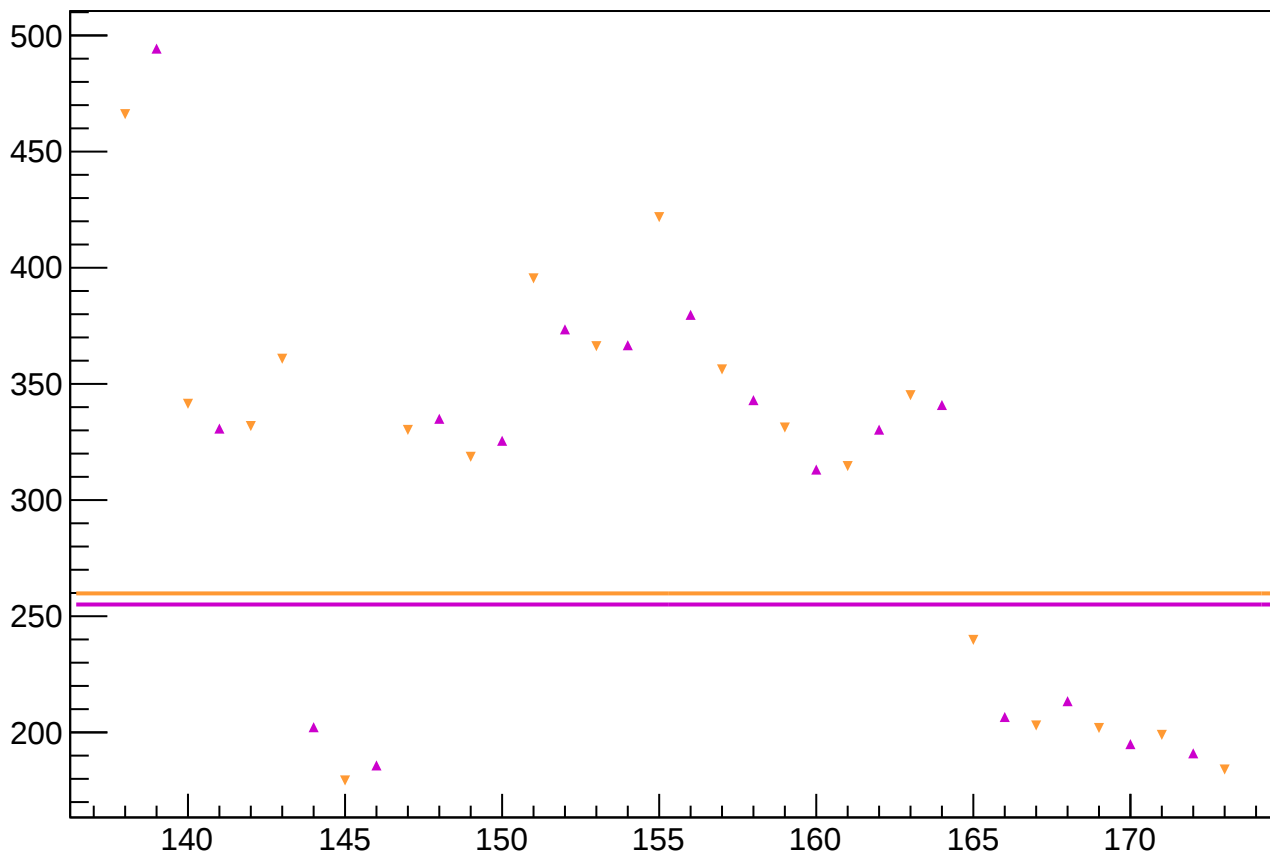
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.619+/-73.283 χ^2/NDF :16.3/16

Out: 324.604+/-72.314 χ^2/NDF :59.7/18

All: 152.317+/-51.473 χ^2/NDF : 87.5/35

asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 259.824+/-0.051 χ^2/NDF :2489265.5/18

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

Left In: 255.047+/-0.052 χ^2/NDF :2209098.5/16

Left: 257.467+/-0.036 χ^2/NDF : 4702669.5/35

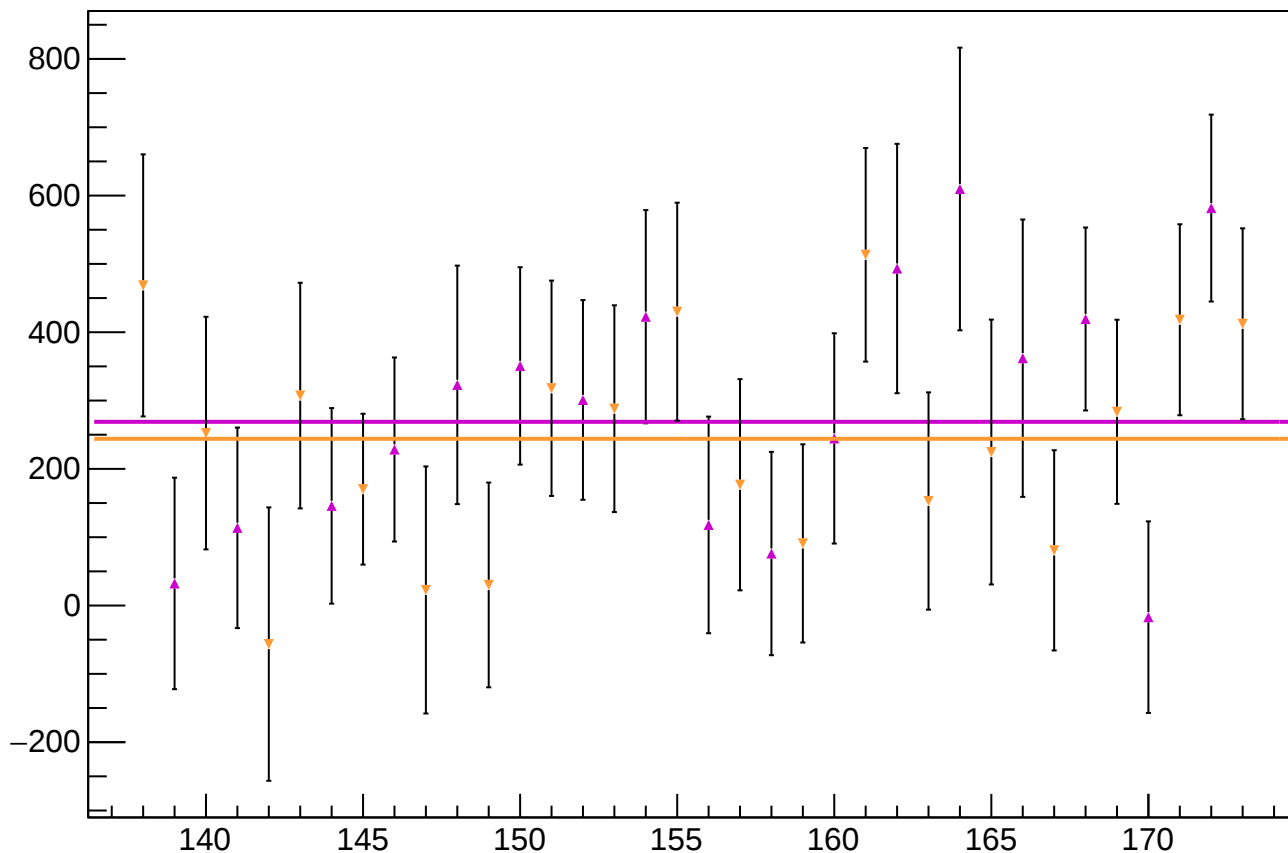
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 255.047+/-0.052 χ^2/NDF :2209098.5/16

Out: 259.824+/-0.051 χ^2/NDF :2489265.5/18

All: 257.467+/-0.036 χ^2/NDF : 4702669.5/35

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 244.029 $\pm$ 35.261 χ^2 /NDF:18.4/18

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

Left In: 268.894 $\pm$ 37.118 χ^2 /NDF:23.4/16

Left: 255.824 $\pm$ 25.564 χ^2 /NDF: 42.0/35

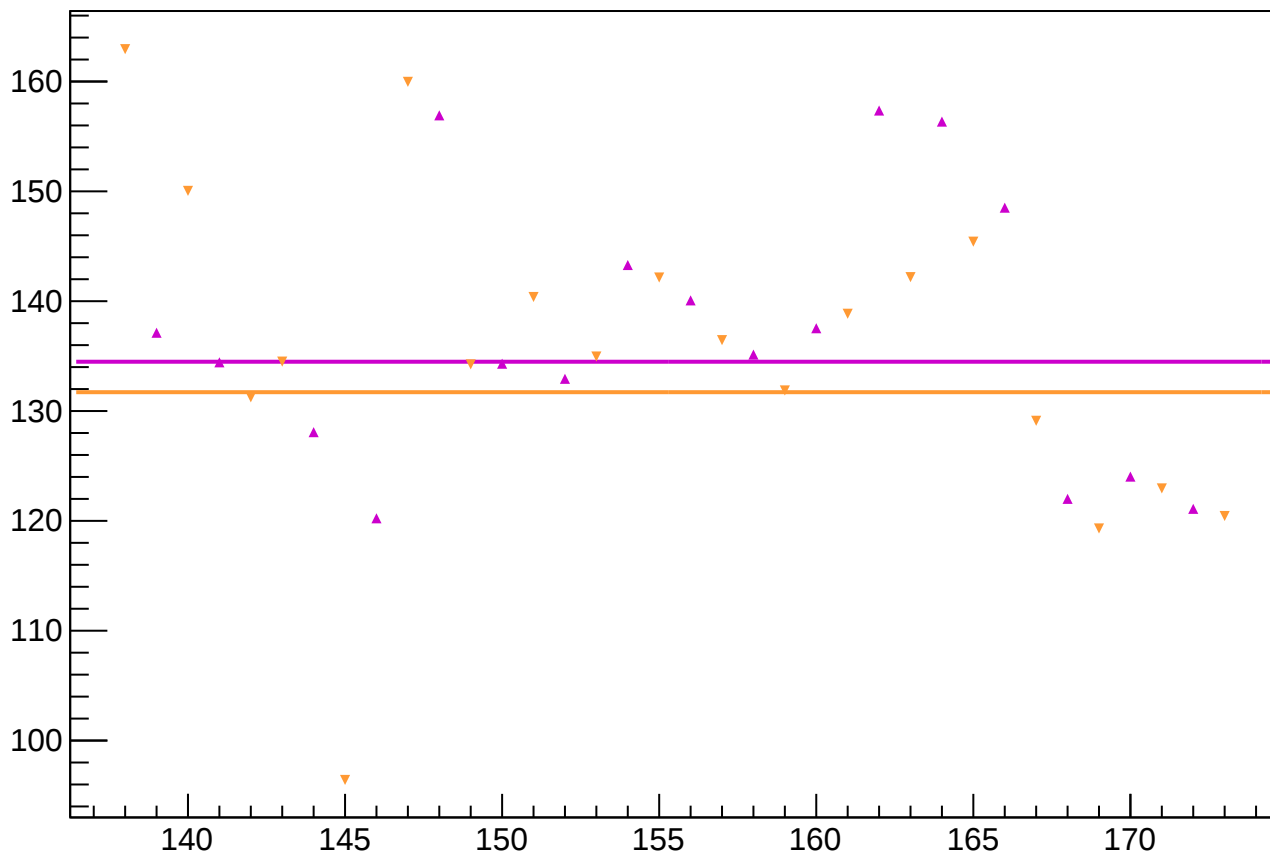
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 268.894 $\pm$ 37.118 χ^2 /NDF:23.4/16

Out: 244.029 $\pm$ 35.261 χ^2 /NDF:18.4/18

All: 255.824 $\pm$ 25.564 χ^2 /NDF: 42.0/35

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 131.716+/-0.025 χ^2/NDF :409458.1/18

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

Left In: 134.488+/-0.026 χ^2/NDF :180961.1/16

Left: 133.031+/-0.018 χ^2/NDF : 596286.1/35

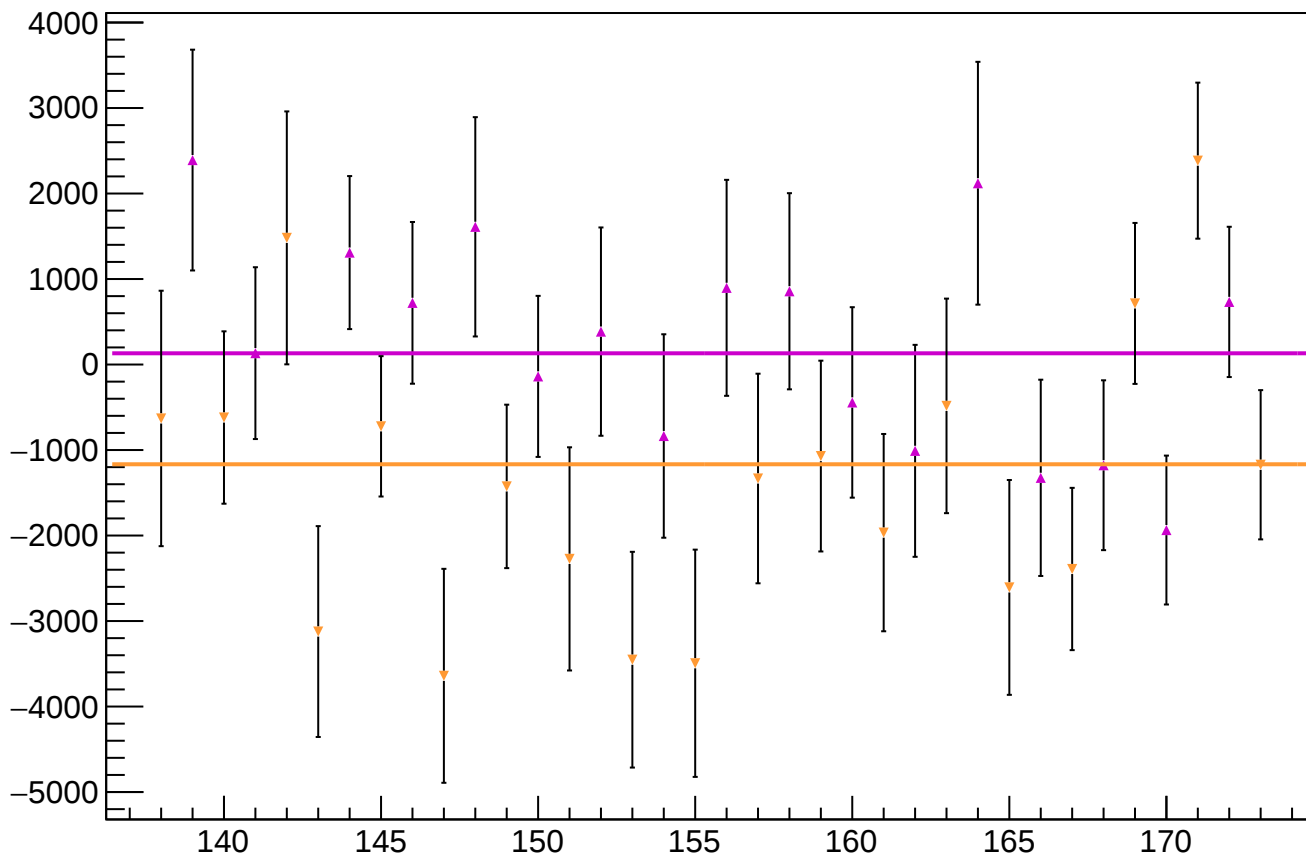
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 134.488+/-0.026 χ^2/NDF :180961.1/16

Out: 131.716+/-0.025 χ^2/NDF :409458.1/18

All: 133.031+/-0.018 χ^2/NDF : 596286.1/35

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1166.471 $\pm$ 251.667 χ^2 /NDF:40.4/18

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

Left In: 131.432 $\pm$ 259.945 χ^2 /NDF:20.6/16

Left: -538.516 $\pm$ 180.811 χ^2 /NDF: 73.9/35

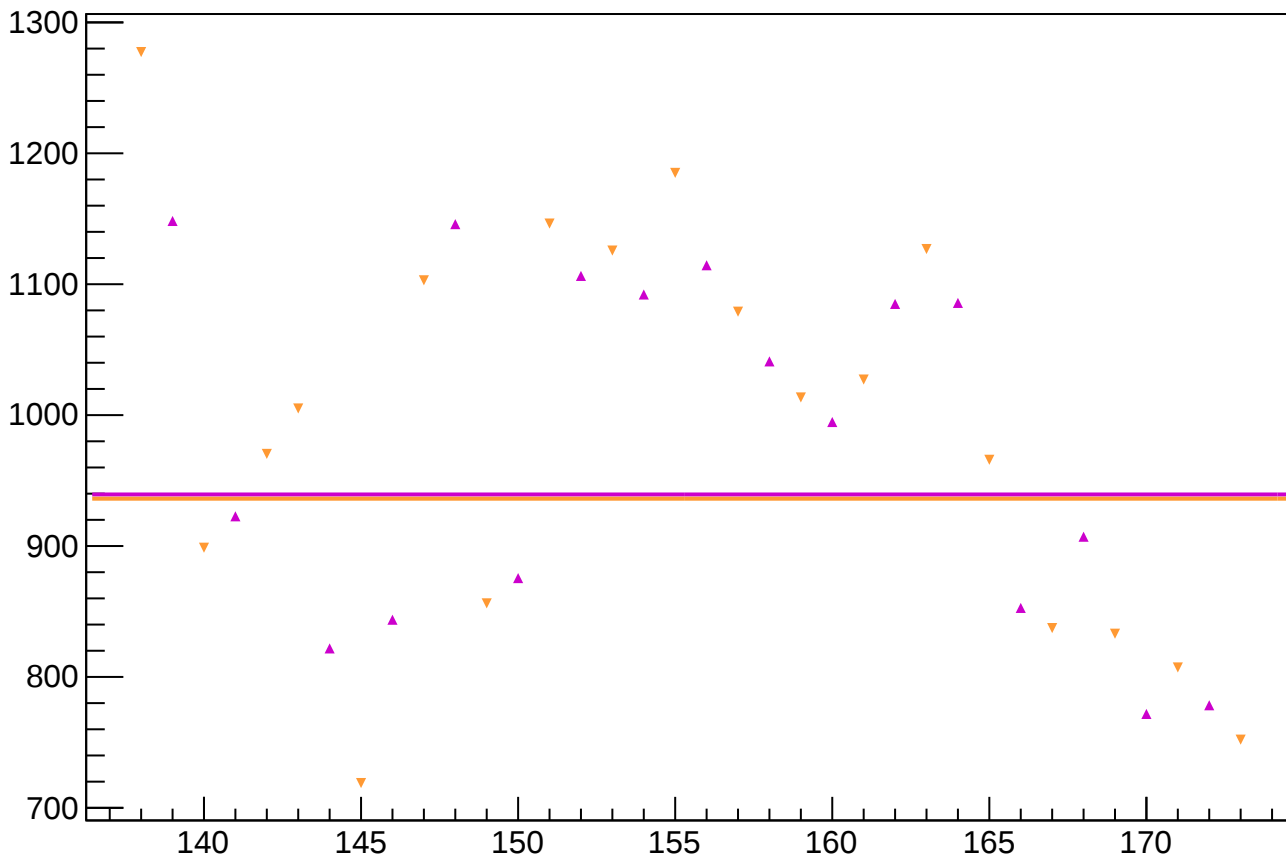
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 131.432 $\pm$ 259.945 χ^2 /NDF:20.6/16

Out: -1166.471 $\pm$ 251.667 χ^2 /NDF:40.4/18

All: -538.516 $\pm$ 180.811 χ^2 /NDF: 73.9/35

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 936.157+/-0.178 χ^2/NDF : 742369.2/18

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

Left In: 939.375+/-0.184 χ^2/NDF : 502242.0/16

Left: 937.714+/-0.128 χ^2/NDF : 1244769.4/35

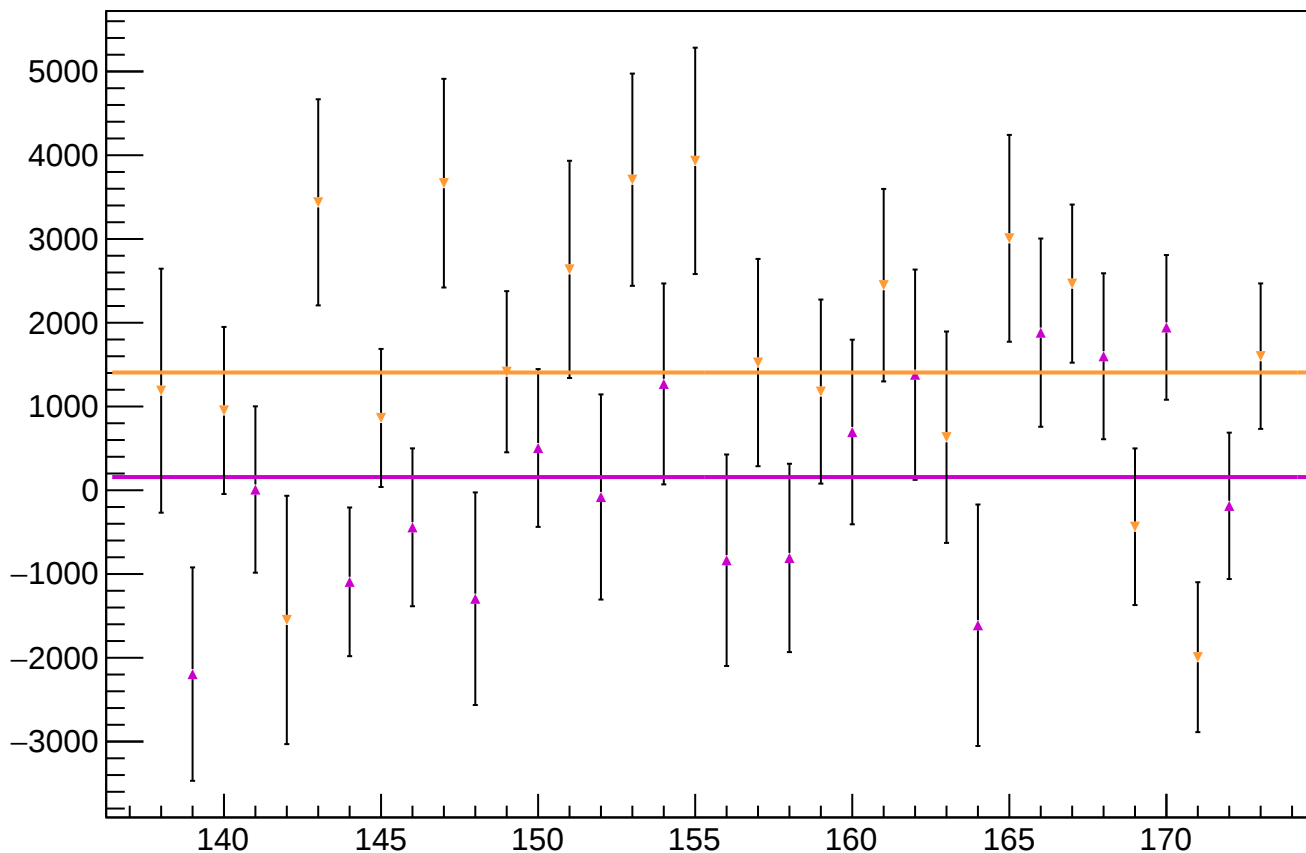
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 939.375+/-0.184 χ^2/NDF : 502242.0/16

Out: 936.157+/-0.178 χ^2/NDF : 742369.2/18

All: 937.714+/-0.128 χ^2/NDF : 1244769.4/35

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 1406.035+/-250.653 χ^2/NDF :40.9/18

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

Left In: 157.672+/-258.602 χ^2/NDF :21.1/16

Left: 801.334+/-179.983 χ^2/NDF : 74.0/35

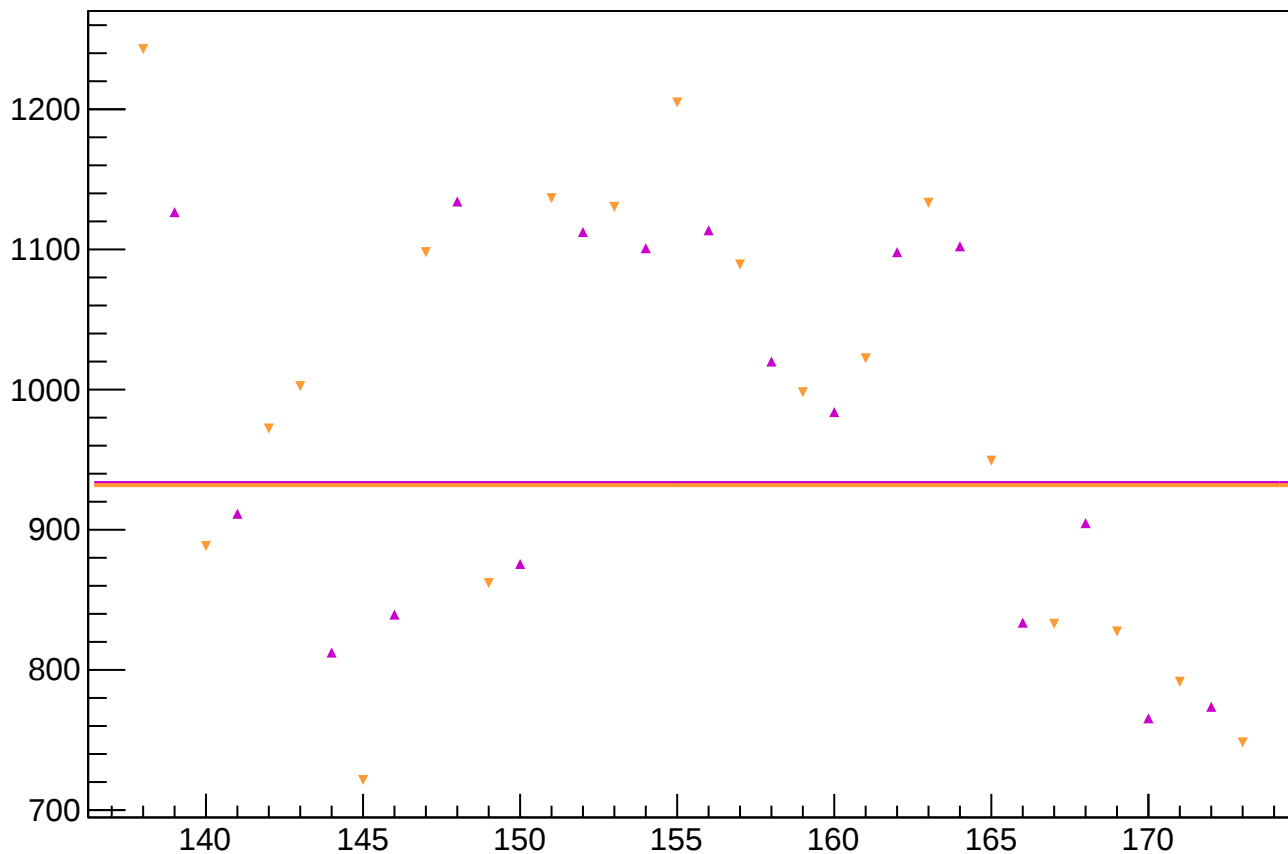
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 157.672+/-258.602 χ^2/NDF :21.1/16

Out: 1406.035+/-250.653 χ^2/NDF :40.9/18

All: 801.334+/-179.983 χ^2/NDF : 74.0/35

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 931.836+/-0.177 χ^2/NDF : 748880.8/18

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

Left In: 933.371+/-0.183 χ^2/NDF : 521843.8/16

Left: 932.580+/-0.127 χ^2/NDF : 1270760.9/35

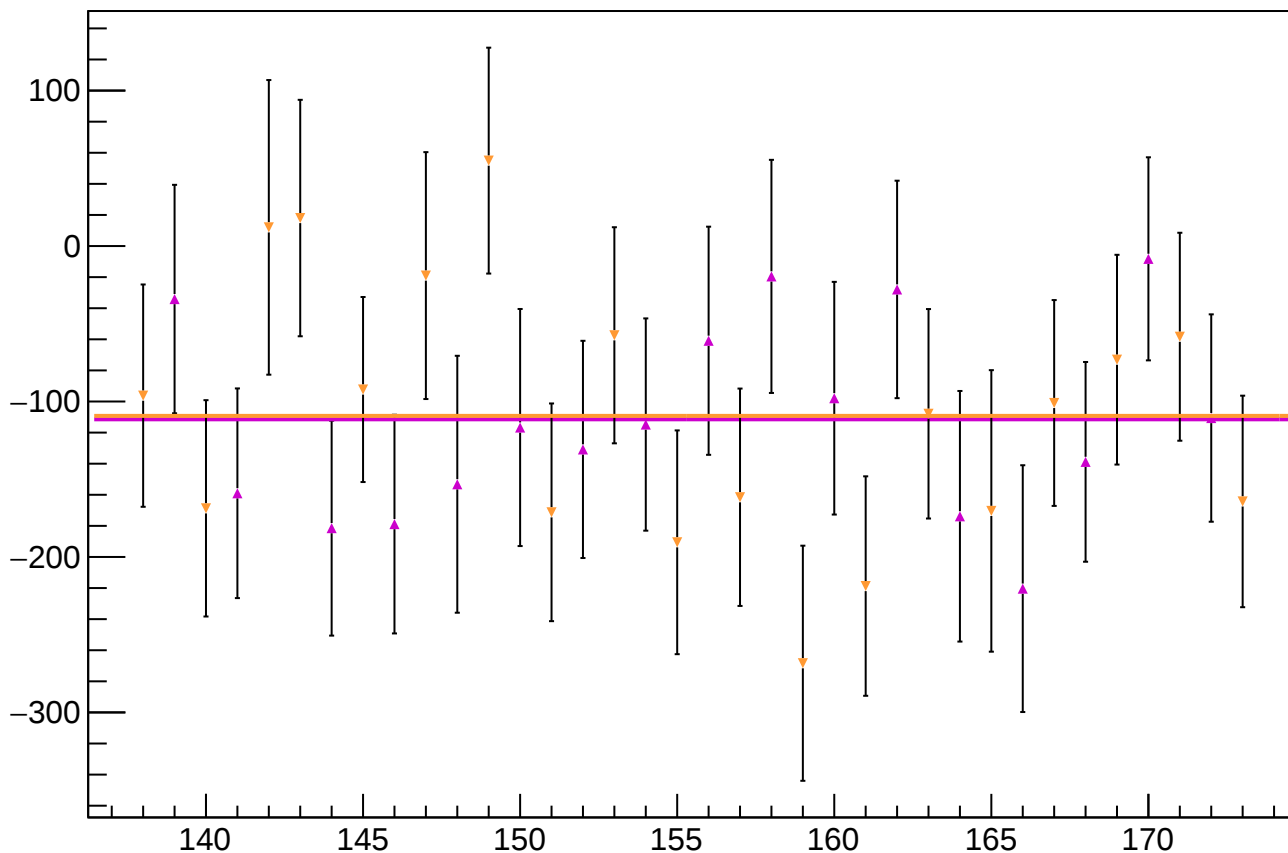
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 933.371+/-0.183 χ^2/NDF : 521843.8/16

Out: 931.836+/-0.177 χ^2/NDF : 748880.8/18

All: 932.580+/-0.127 χ^2/NDF : 1270760.9/35

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



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

Left Out: -109.245+/-16.372 χ^2/NDF :23.7/18

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

Left In: -111.459+/-17.368 χ^2/NDF :12.5/16

Left: -110.287+/-11.913 χ^2/NDF : 36.2/35

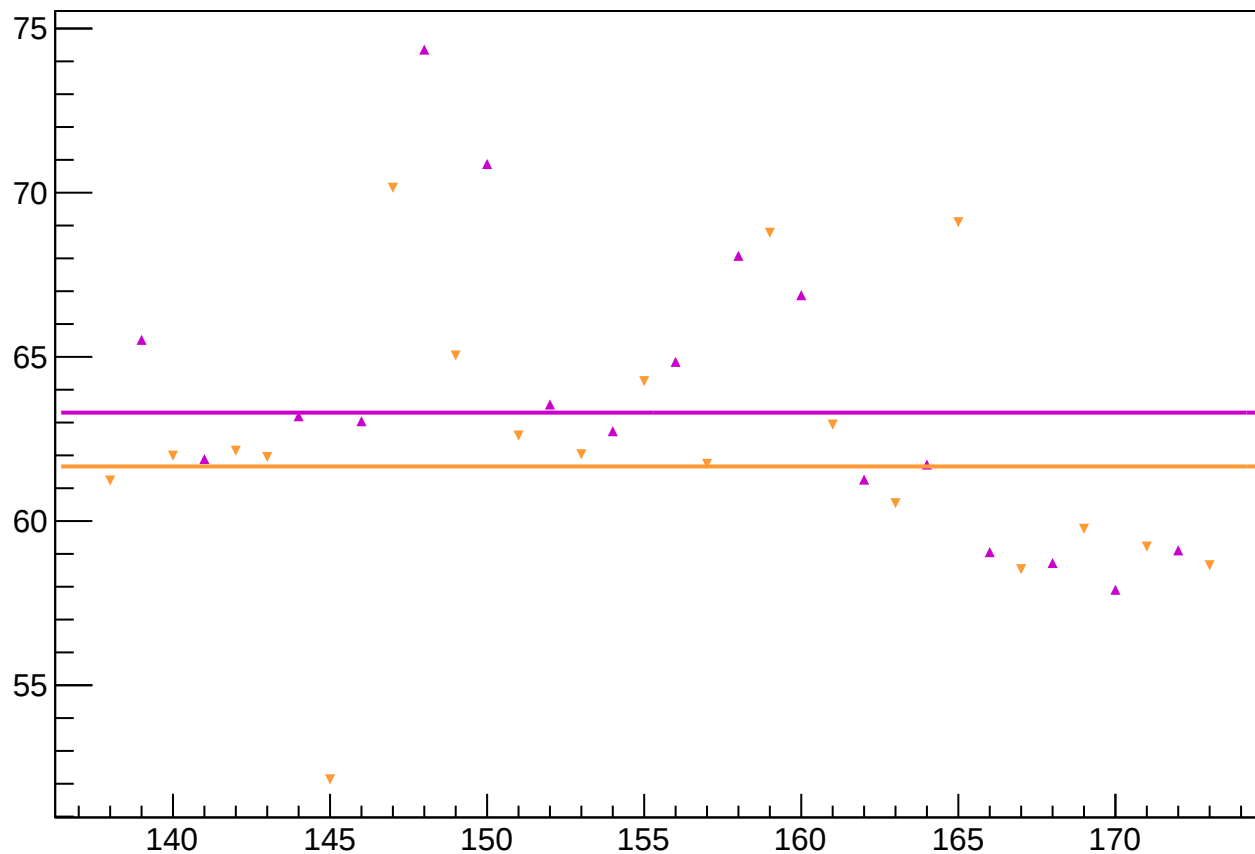
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -111.459+/-17.368 χ^2/NDF :12.5/16

Out: -109.245+/-16.372 χ^2/NDF :23.7/18

All: -110.287+/-11.913 χ^2/NDF : 36.2/35

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 61.663+/-0.012 χ^2/NDF :126724.0/18

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

Left In: 63.303+/-0.012 χ^2/NDF :111900.8/16

Left: 62.434+/-0.008 χ^2/NDF : 248061.4/35

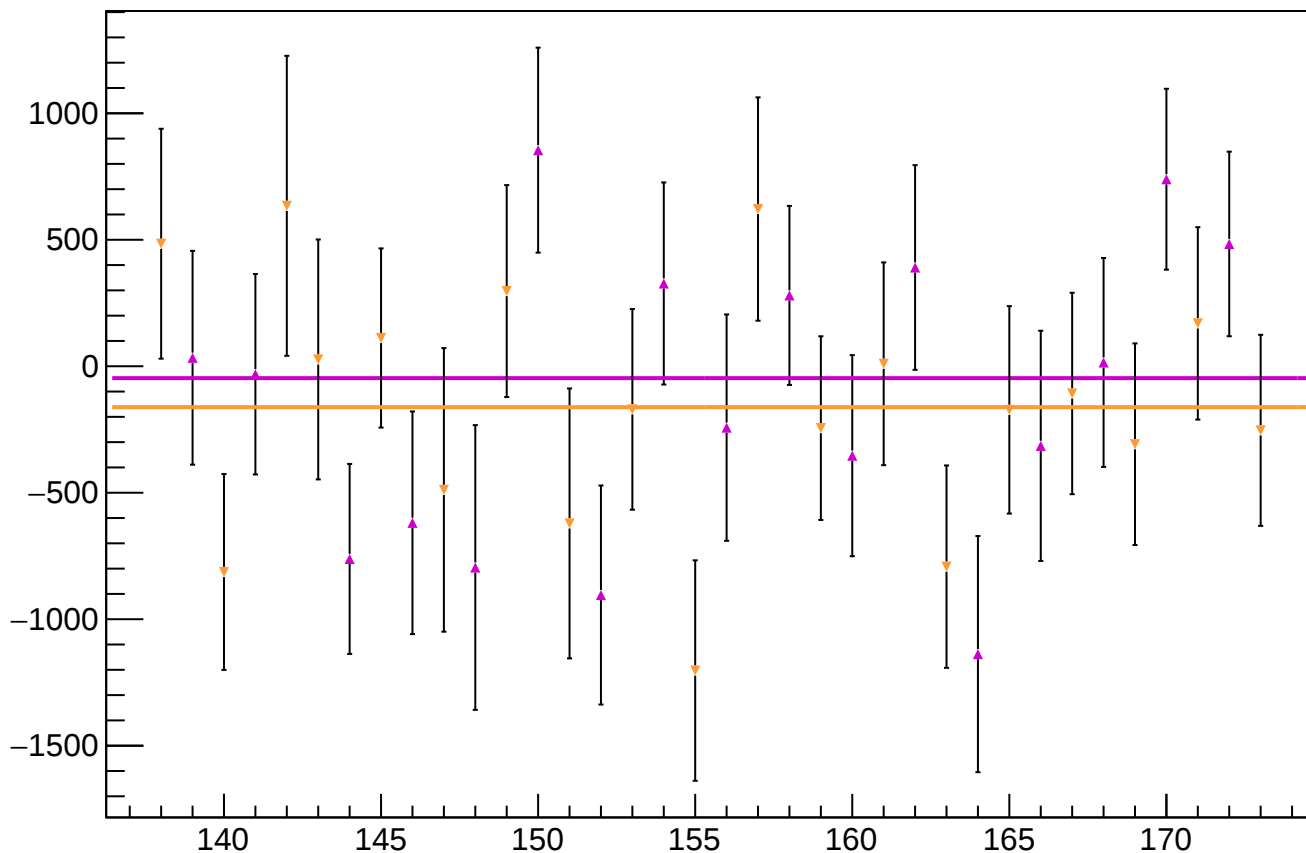
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 63.303+/-0.012 χ^2/NDF :111900.8/16

Out: 61.663+/-0.012 χ^2/NDF :126724.0/18

All: 62.434+/-0.008 χ^2/NDF : 248061.4/35

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -161.654+/-96.022 χ^2/NDF :22.2/18

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

Left In: -46.993+/-99.449 χ^2/NDF :32.5/16

Left: -106.333+/-69.078 χ^2/NDF : 55.4/35

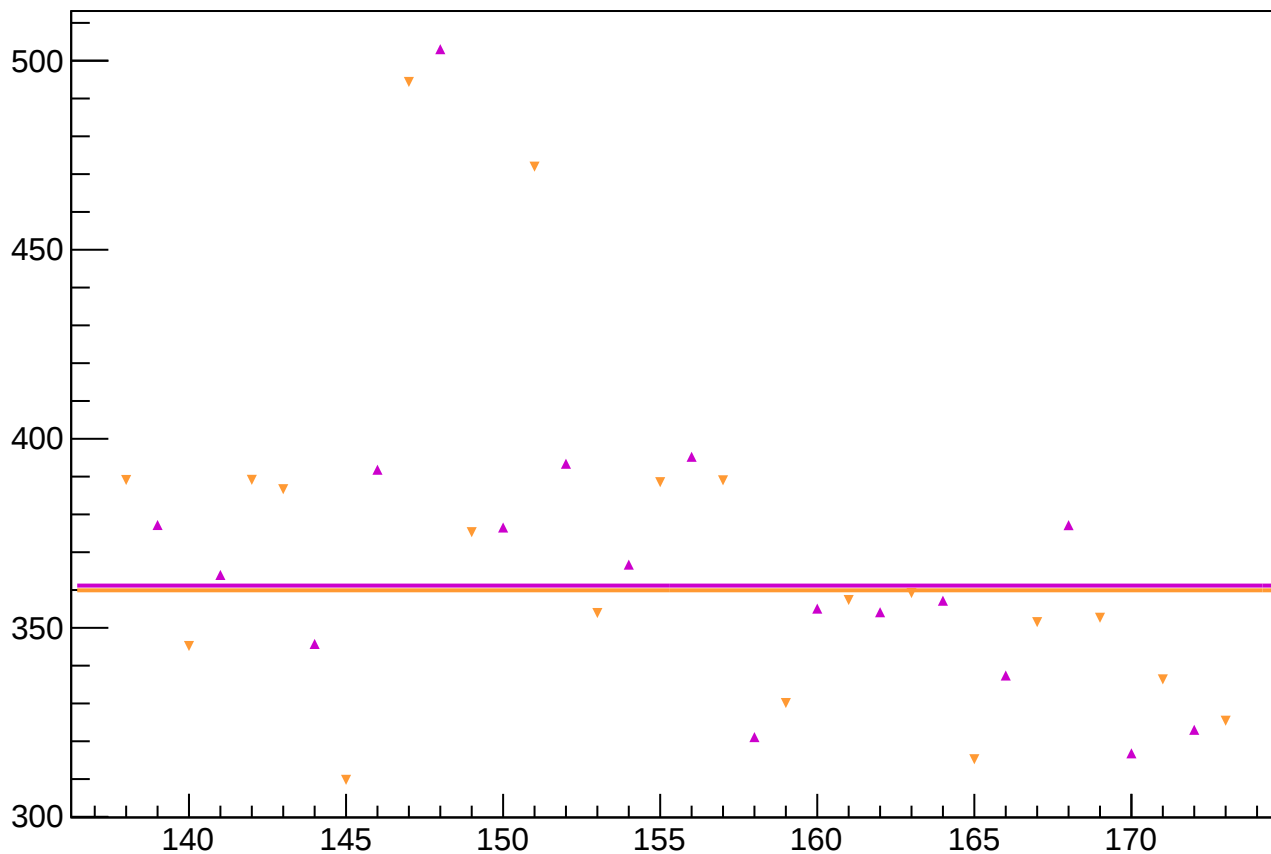
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -46.993+/-99.449 χ^2/NDF :32.5/16

Out: -161.654+/-96.022 χ^2/NDF :22.2/18

All: -106.333+/-69.078 χ^2/NDF : 55.4/35

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 359.926 $\pm$ 0.068 χ^2/NDF :349385.3/18

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

Left In: 361.175 $\pm$ 0.070 χ^2/NDF :257059.4/16

Left: 360.529 $\pm$ 0.049 χ^2/NDF : 606608.0/35

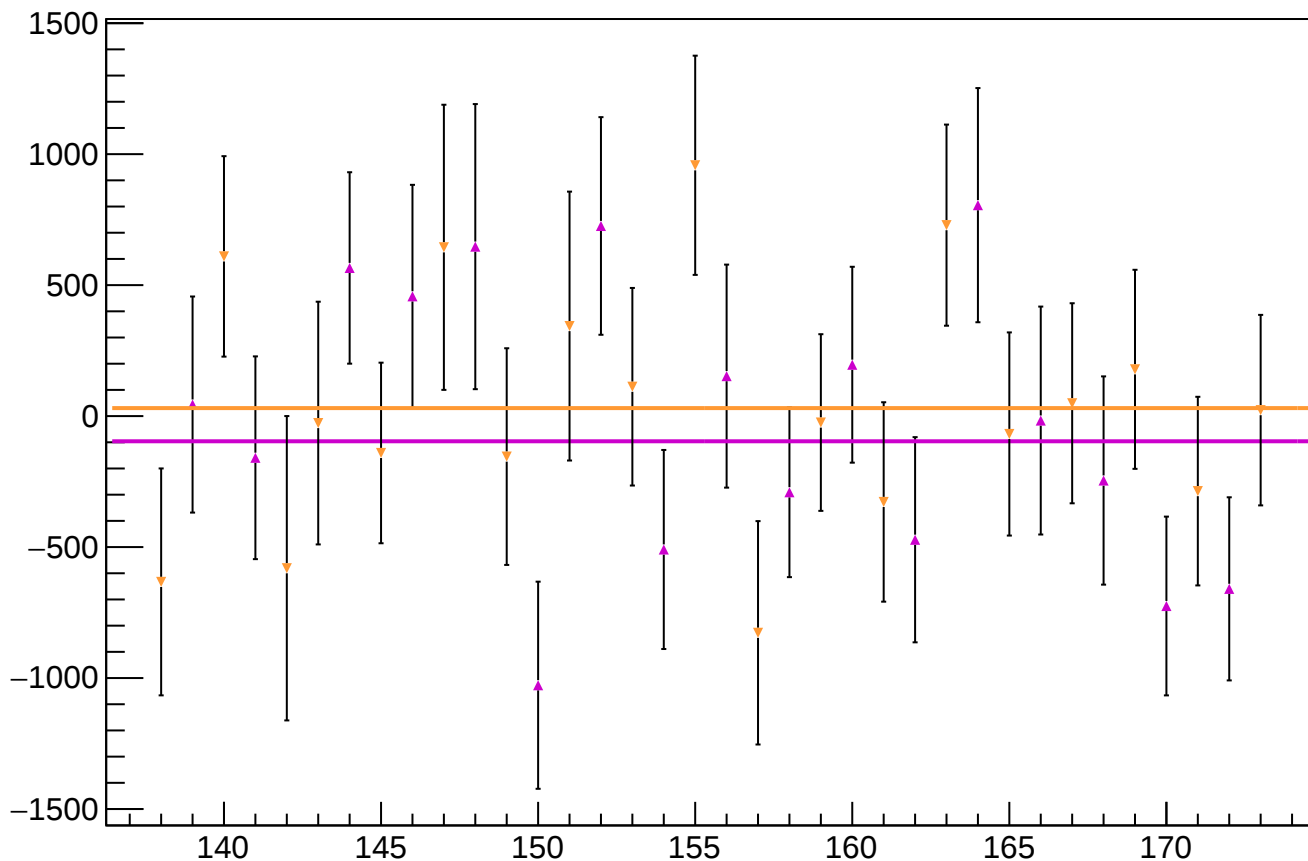
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 361.175 $\pm$ 0.070 χ^2/NDF :257059.4/16

Out: 359.926 $\pm$ 0.068 χ^2/NDF :349385.3/18

All: 360.529 $\pm$ 0.049 χ^2/NDF : 606608.0/35

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



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

Left Out: 30.537+/-92.195 χ^2/NDF :22.1/18

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

Left In: -96.129+/-95.276 χ^2/NDF :30.1/16

Left: -30.714+/-66.254 χ^2/NDF : 53.1/35

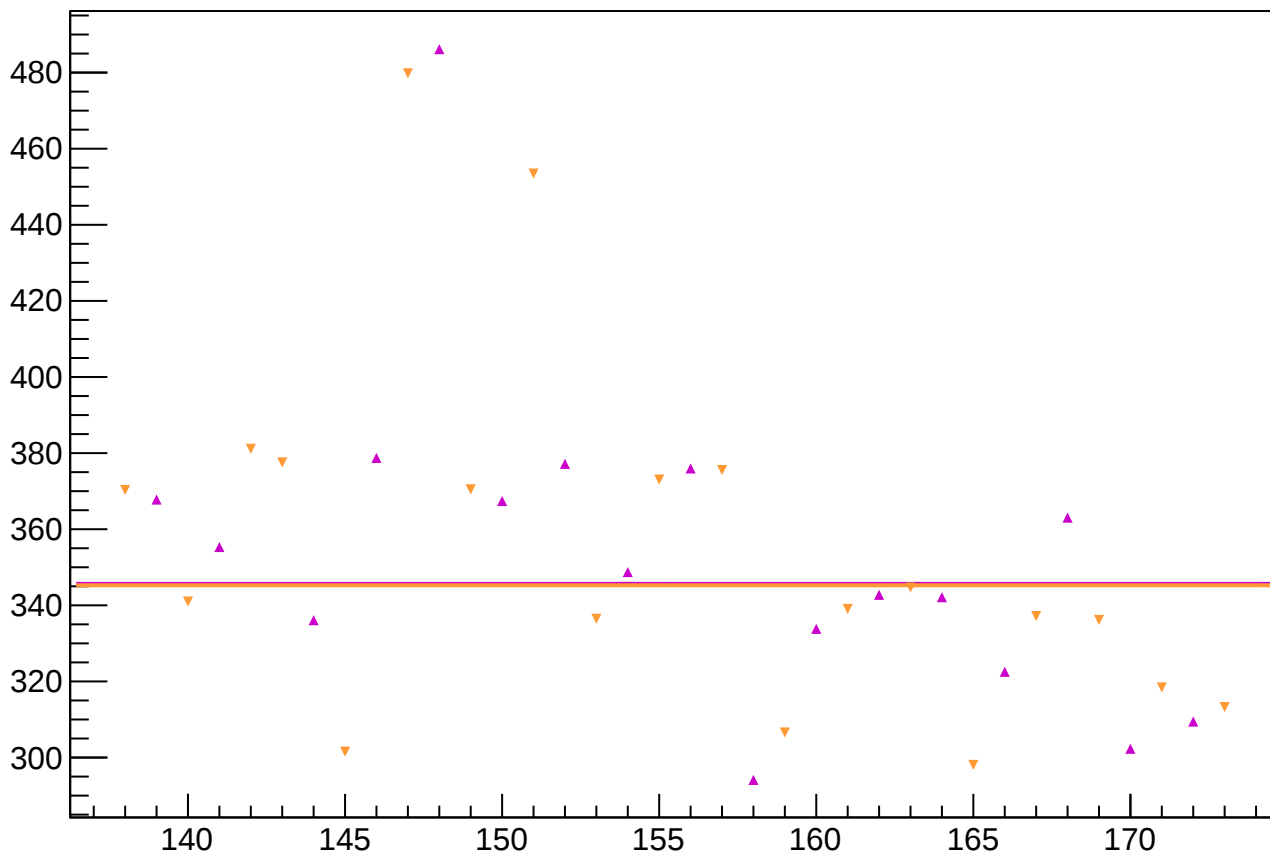
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -96.129+/-95.276 χ^2/NDF :30.1/16

Out: 30.537+/-92.195 χ^2/NDF :22.1/18

All: -30.714+/-66.254 χ^2/NDF : 53.1/35

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 345.270+/-0.065 χ^2/NDF : 380114.6/18

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

Left In: 345.643+/-0.067 χ^2/NDF : 297654.7/16

Left: 345.450+/-0.047 χ^2/NDF : 677785.2/35

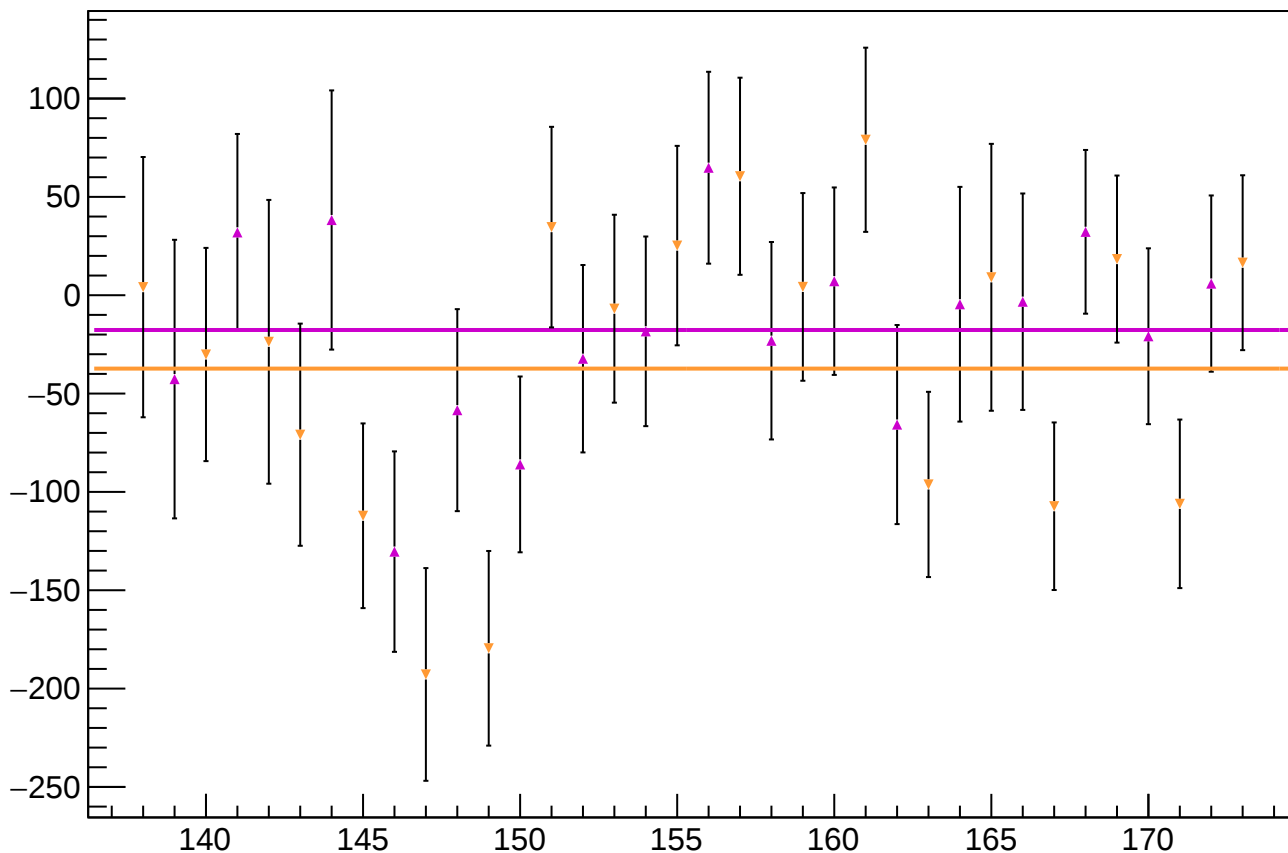
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 345.643+/-0.067 χ^2/NDF : 297654.7/16

Out: 345.270+/-0.065 χ^2/NDF : 380114.6/18

All: 345.450+/-0.047 χ^2/NDF : 677785.2/35

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -37.310 ± 11.464 $\chi^2/\text{NDF}: 45.0/18$

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

Left In: -17.681 ± 12.127 $\chi^2/\text{NDF}: 15.7/16$

Left: -28.046 ± 8.331 $\chi^2/\text{NDF}: 62.1/35$

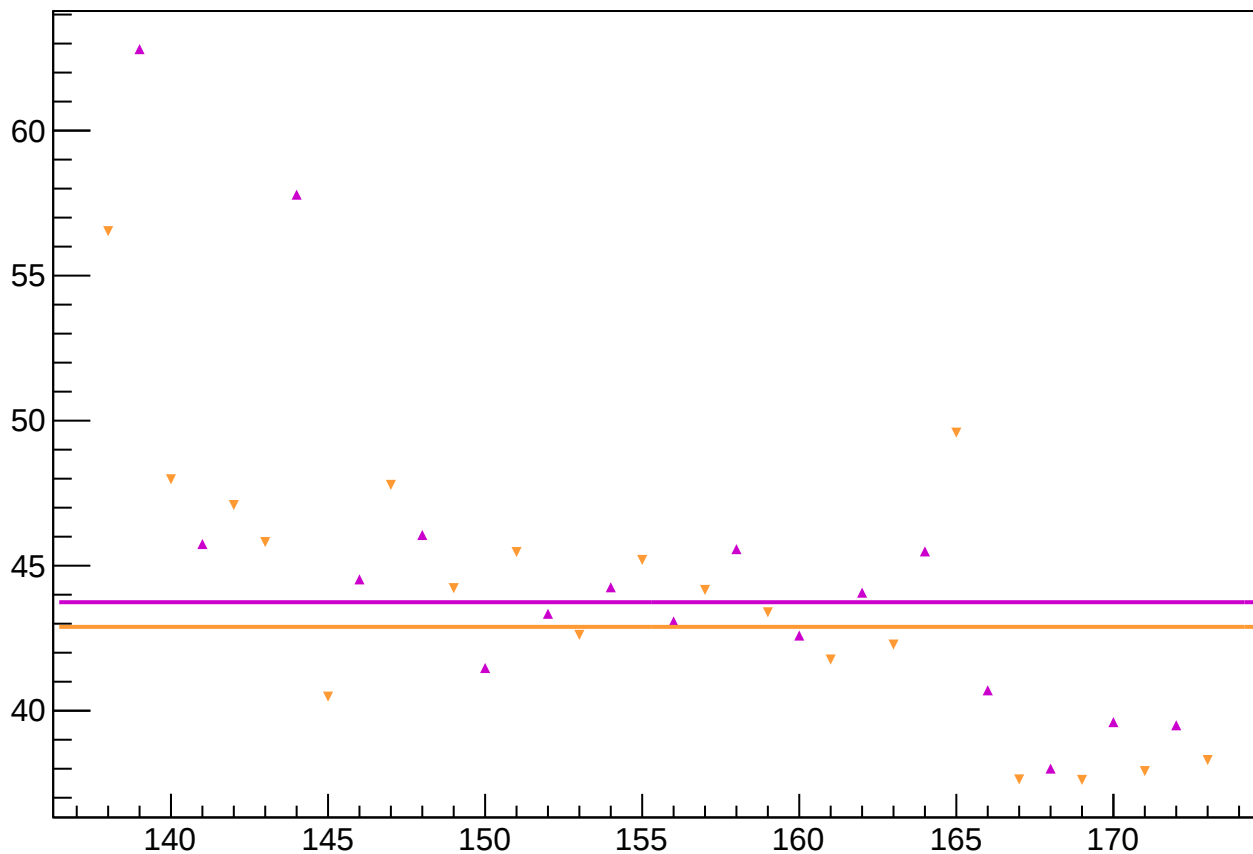
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -17.681 ± 12.127 $\chi^2/\text{NDF}: 15.7/16$

Out: -37.310 ± 11.464 $\chi^2/\text{NDF}: 45.0/18$

All: -28.046 ± 8.331 $\chi^2/\text{NDF}: 62.1/35$

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 42.891+/-0.008 χ^2/NDF :279310.9/18

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

Left In: 43.741+/-0.009 χ^2/NDF :334333.4/16

Left: 43.292+/-0.006 χ^2/NDF : 618829.5/35

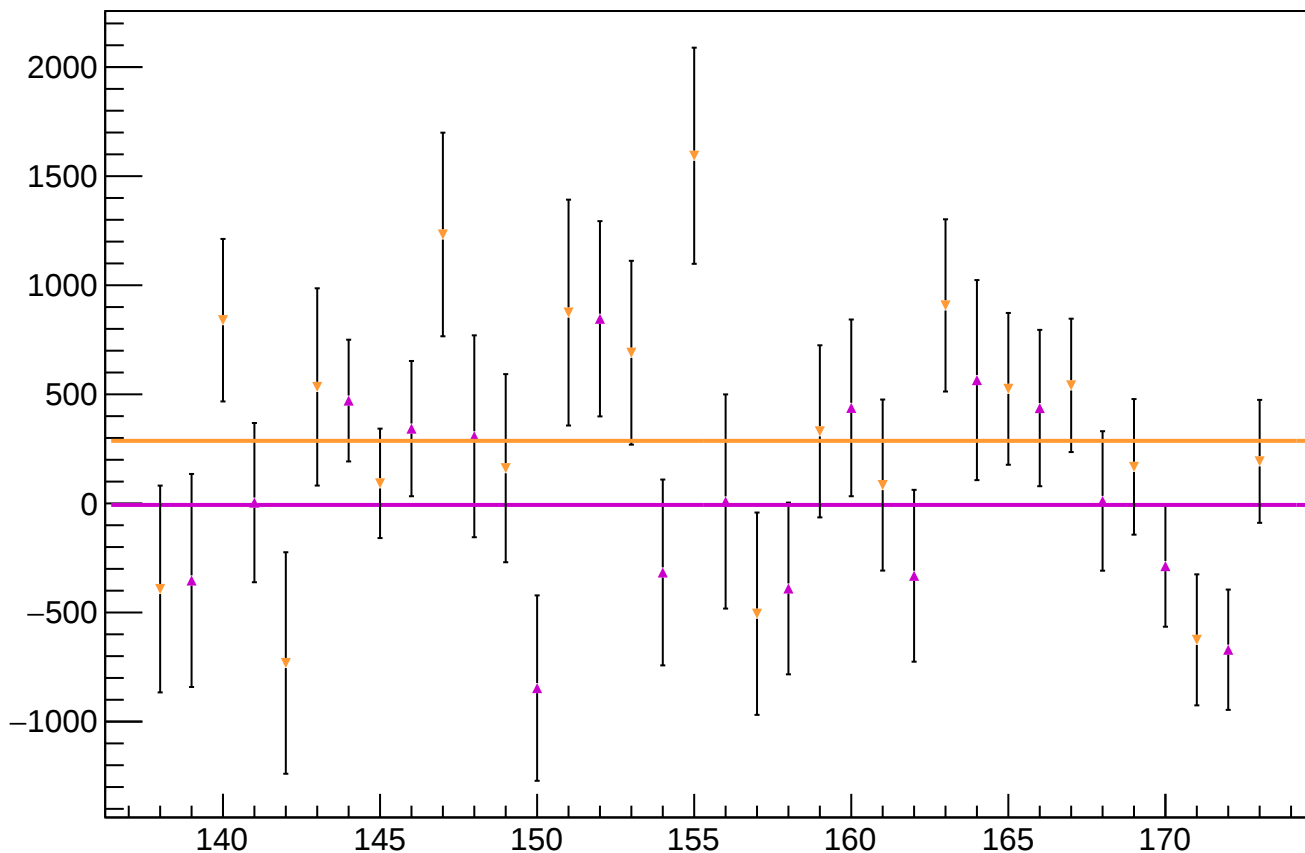
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 43.741+/-0.009 χ^2/NDF :334333.4/16

Out: 42.891+/-0.008 χ^2/NDF :279310.9/18

All: 43.292+/-0.006 χ^2/NDF : 618829.5/35

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 286.824 $\pm$ 85.514 χ^2 /NDF:38.9/18

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

Left In: -6.950 $\pm$ 88.648 χ^2 /NDF:26.0/16

Left: 145.222 $\pm$ 61.545 χ^2 /NDF: 70.5/35

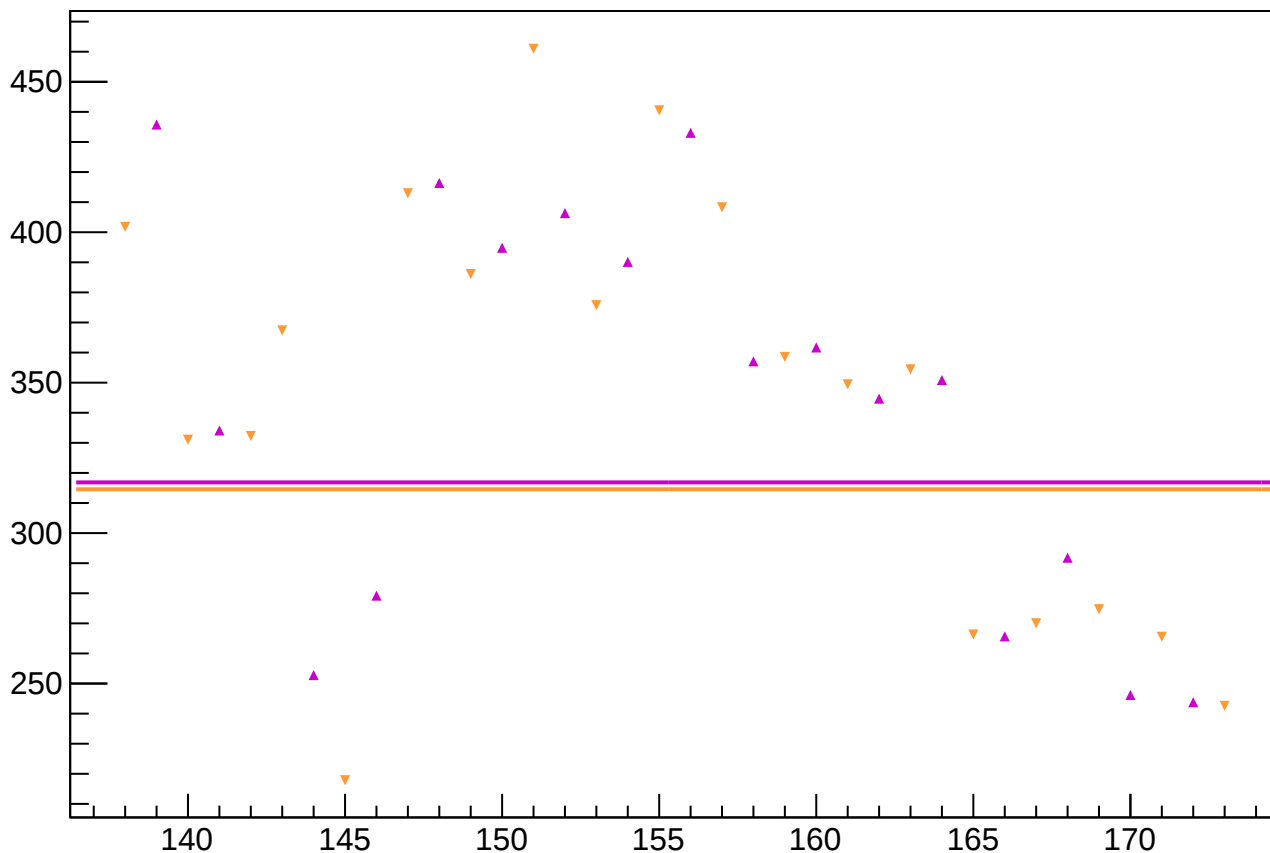
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -6.950 $\pm$ 88.648 χ^2 /NDF:26.0/16

Out: 286.824 $\pm$ 85.514 χ^2 /NDF:38.9/18

All: 145.222 $\pm$ 61.545 χ^2 /NDF: 70.5/35

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 314.567+/-0.060 χ^2/NDF :1314623.7/18

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

Left In: 316.853+/-0.063 χ^2/NDF :1058441.7/16

Left: 315.669+/-0.044 χ^2/NDF : 2373754.4/35

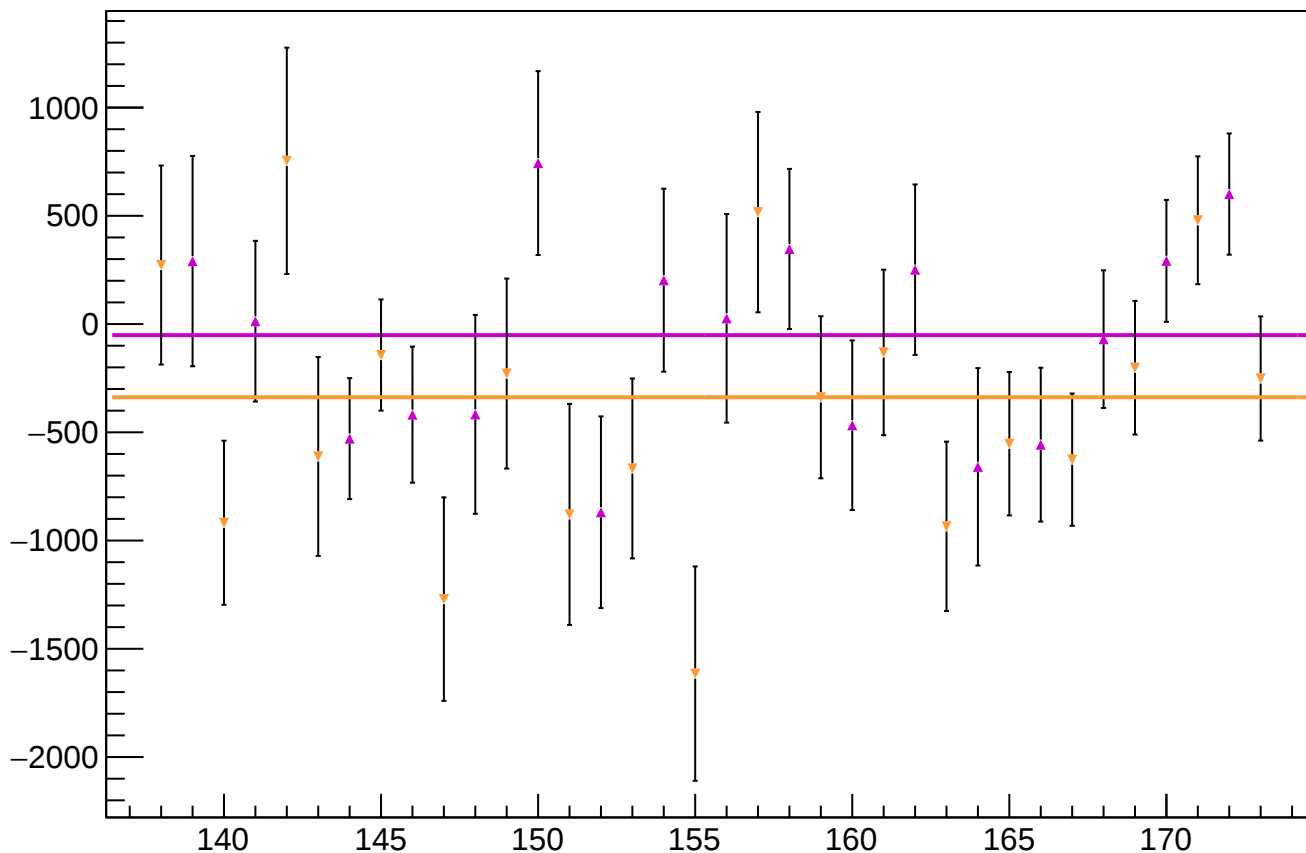
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 316.853+/-0.063 χ^2/NDF :1058441.7/16

Out: 314.567+/-0.060 χ^2/NDF :1314623.7/18

All: 315.669+/-0.044 χ^2/NDF : 2373754.4/35

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -338.064+/-85.180 χ^2/NDF :37.1/18

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

Left In: -51.197+/-88.397 χ^2/NDF :26.3/16

Left: -199.946+/-61.337 χ^2/NDF : 68.9/35

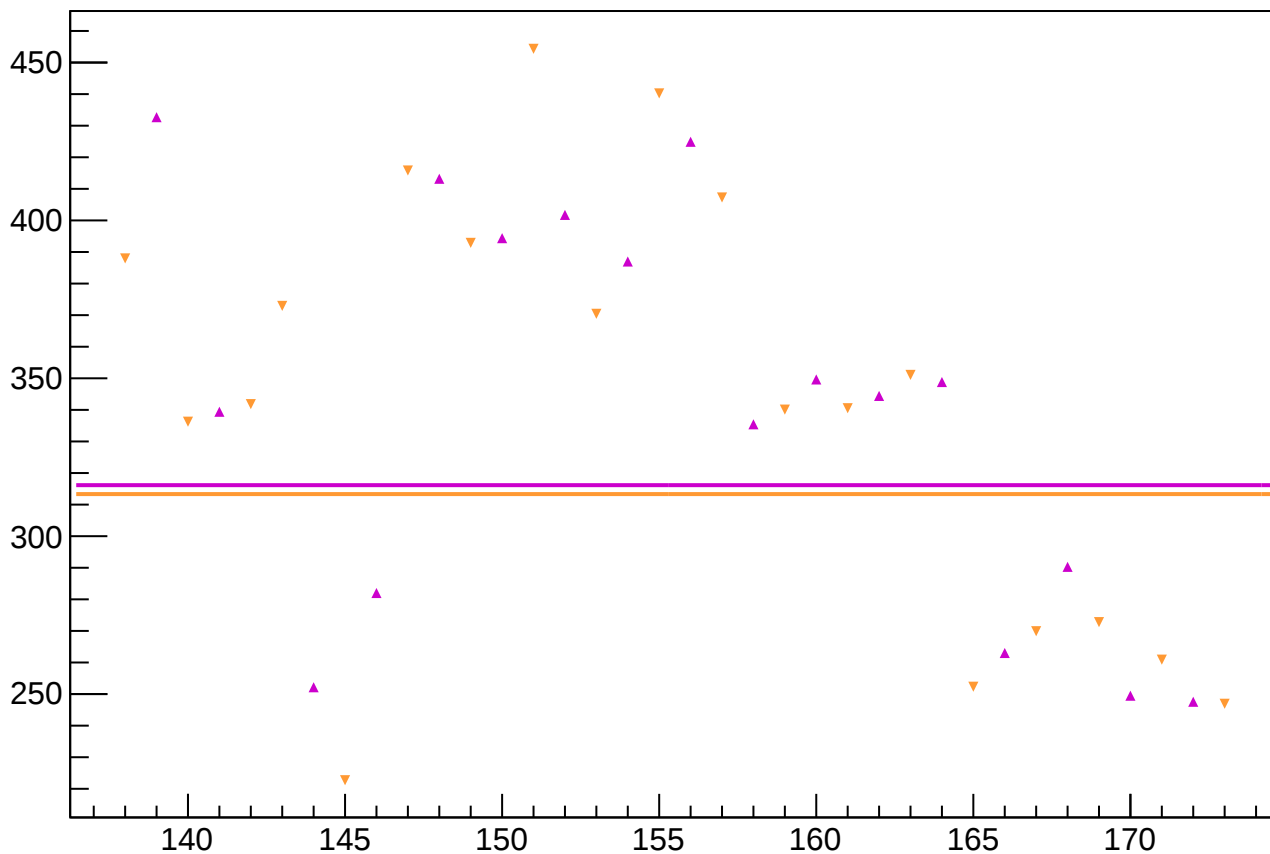
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -51.197+/-88.397 χ^2/NDF :26.3/16

Out: -338.064+/-85.180 χ^2/NDF :37.1/18

All: -199.946+/-61.337 χ^2/NDF : 68.9/35

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 313.333+/-0.060 χ^2/NDF :1265645.6/18

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

Left In: 316.159+/-0.063 χ^2/NDF :972067.9/16

Left: 314.694+/-0.043 χ^2/NDF : 2238773.9/35

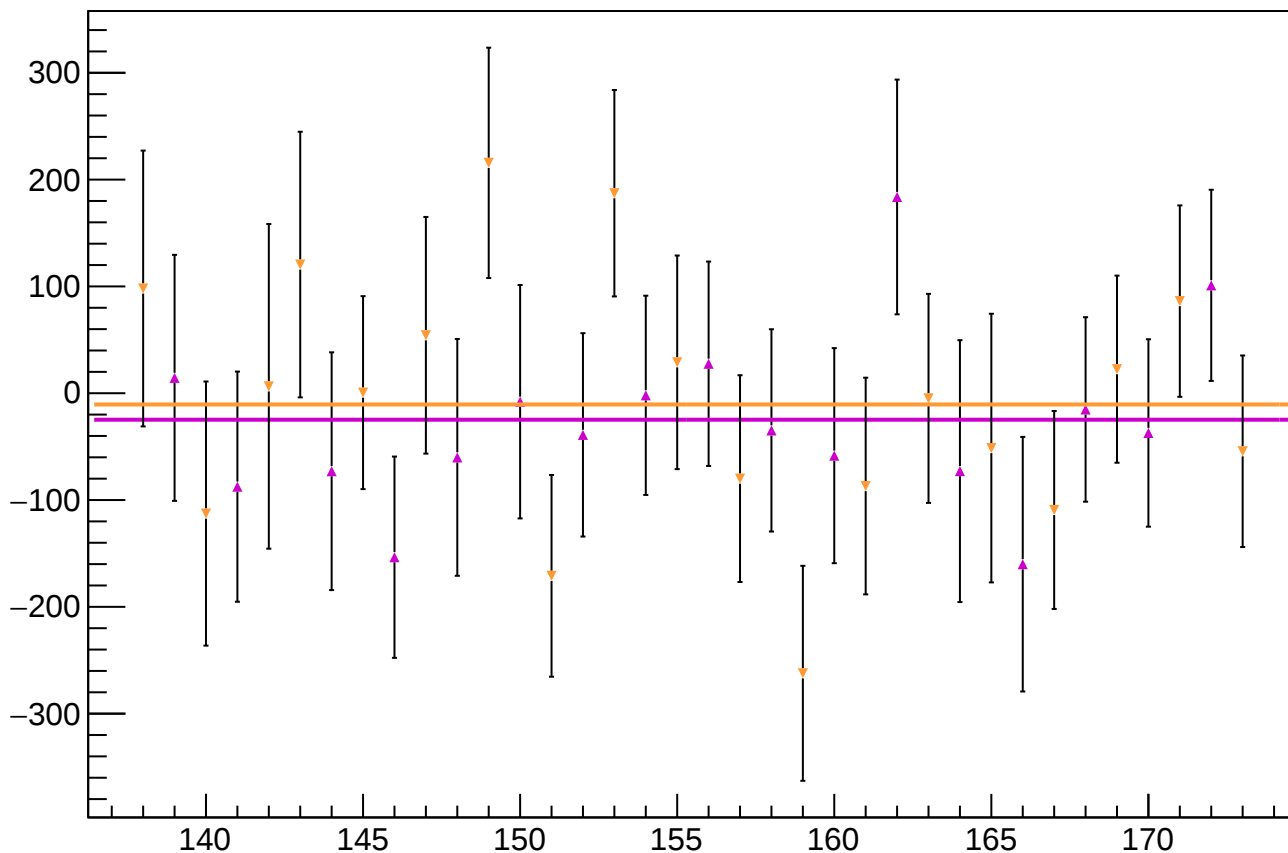
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 316.159+/-0.063 χ^2/NDF :972067.9/16

Out: 313.333+/-0.060 χ^2/NDF :1265645.6/18

All: 314.694+/-0.043 χ^2/NDF : 2238773.9/35

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left Out: -10.526 $\pm$ 23.514 χ^2 /NDF:24.6/18

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

Left In: -24.803 $\pm$ 24.446 χ^2 /NDF:10.2/16

Left: -17.387 $\pm$ 16.947 χ^2 /NDF: 35.0/35

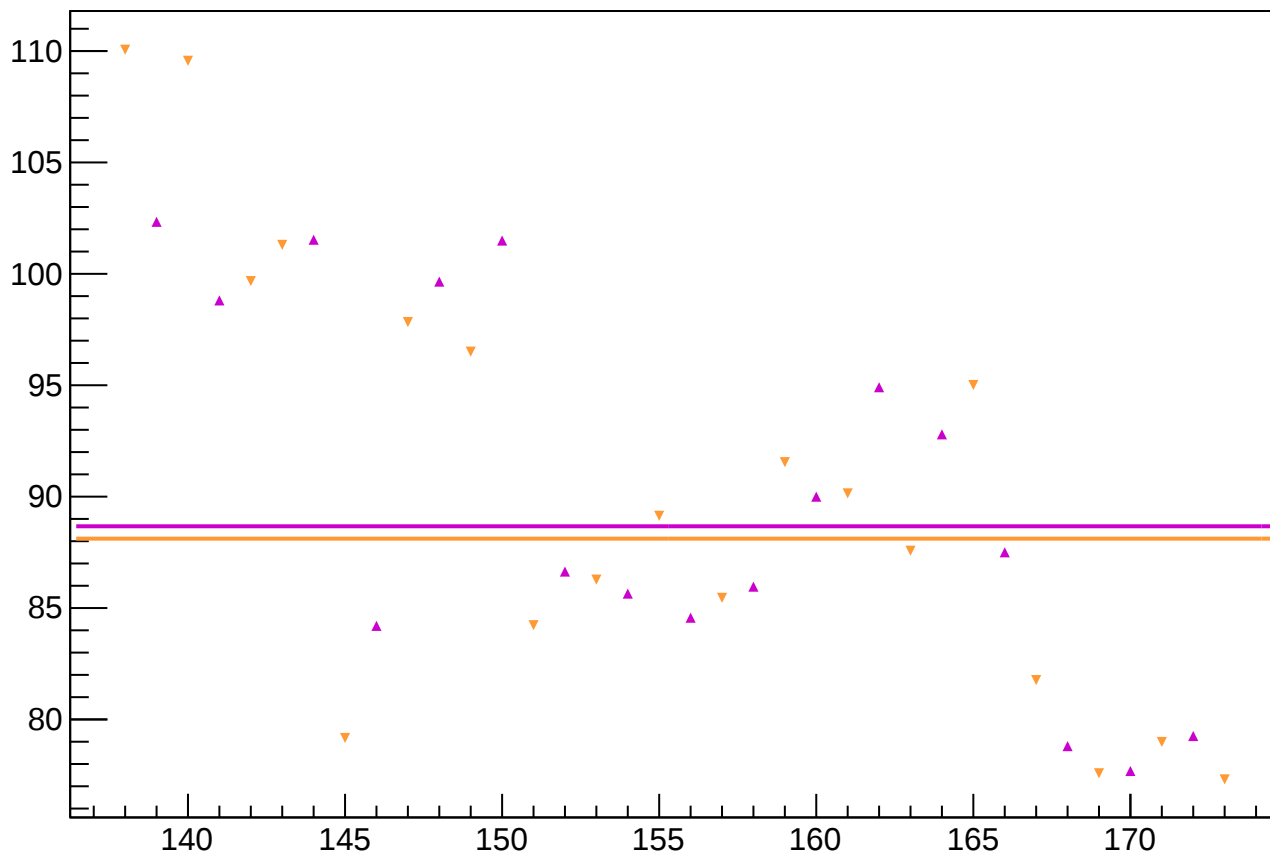
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -24.803 $\pm$ 24.446 χ^2 /NDF:10.2/16

Out: -10.526 $\pm$ 23.514 χ^2 /NDF:24.6/18

All: -17.387 $\pm$ 16.947 χ^2 /NDF: 35.0/35

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 88.115+/-0.017 χ^2/NDF :302263.9/18

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

Left In: 88.670+/-0.017 χ^2/NDF :221420.0/16

Left: 88.382+/-0.012 χ^2/NDF : 524218.5/35

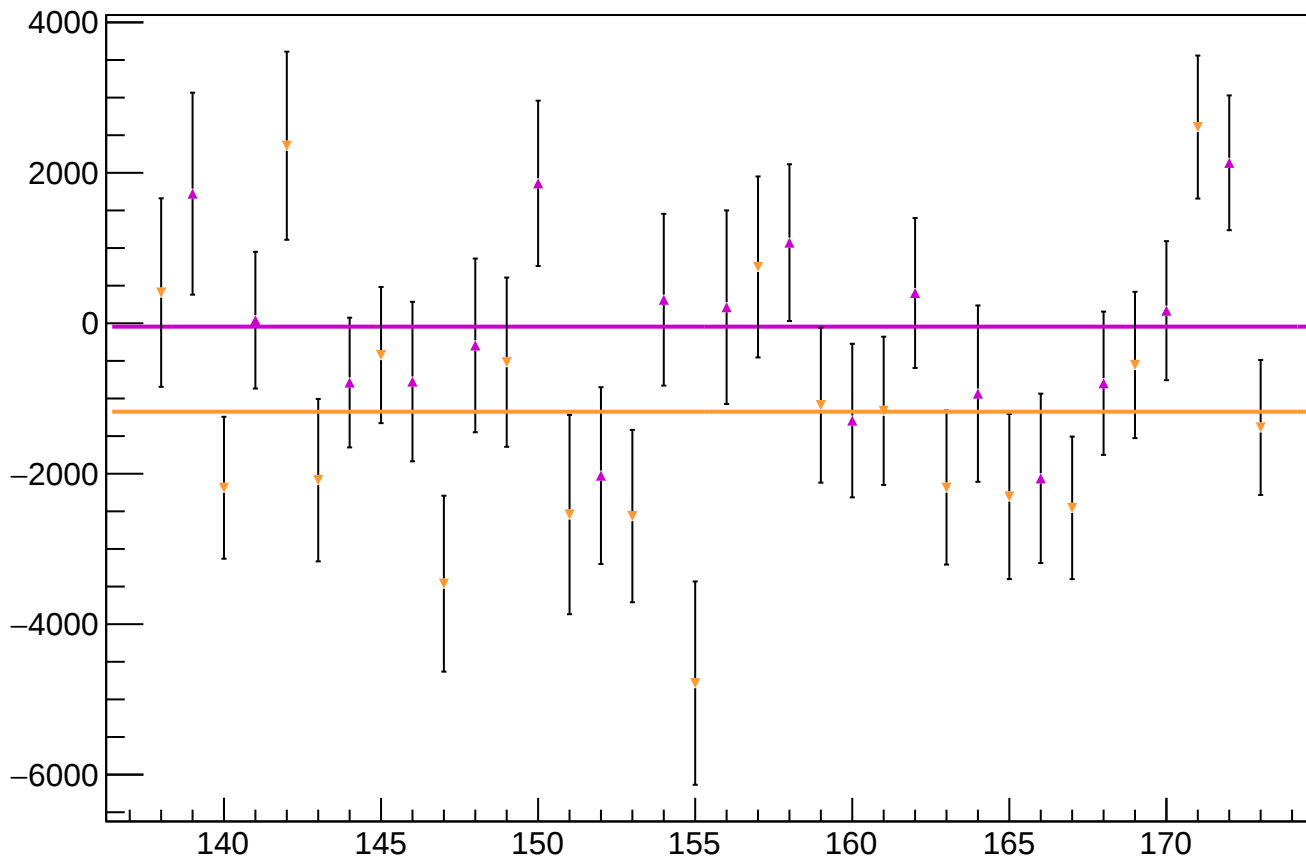
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 88.670+/-0.017 χ^2/NDF :221420.0/16

Out: 88.115+/-0.017 χ^2/NDF :302263.9/18

All: 88.382+/-0.012 χ^2/NDF : 524218.5/35

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1175.668+/-243.645 χ^2/NDF :48.7/18

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

Left In: -44.870+/-253.204 χ^2/NDF :22.2/16

Left: -632.016+/-175.565 χ^2/NDF : 81.3/35

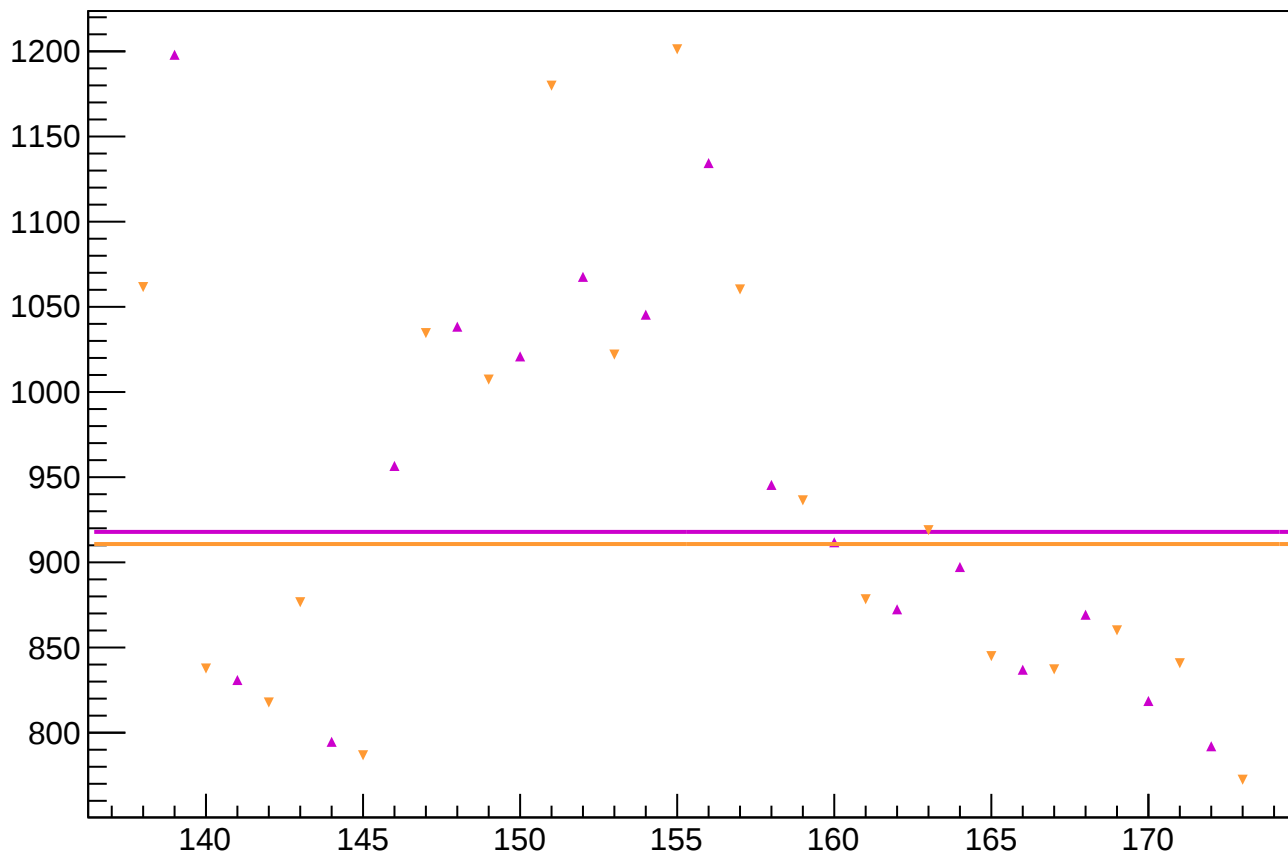
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -44.870+/-253.204 χ^2/NDF :22.2/16

Out: -1175.668+/-243.645 χ^2/NDF :48.7/18

All: -632.016+/-175.565 χ^2/NDF : 81.3/35

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 910.751+/-0.172 χ^2/NDF : 439902.7/18

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

Left In: 917.881+/-0.179 χ^2/NDF : 386681.3/16

Left: 914.179+/-0.124 χ^2/NDF : 827407.4/35

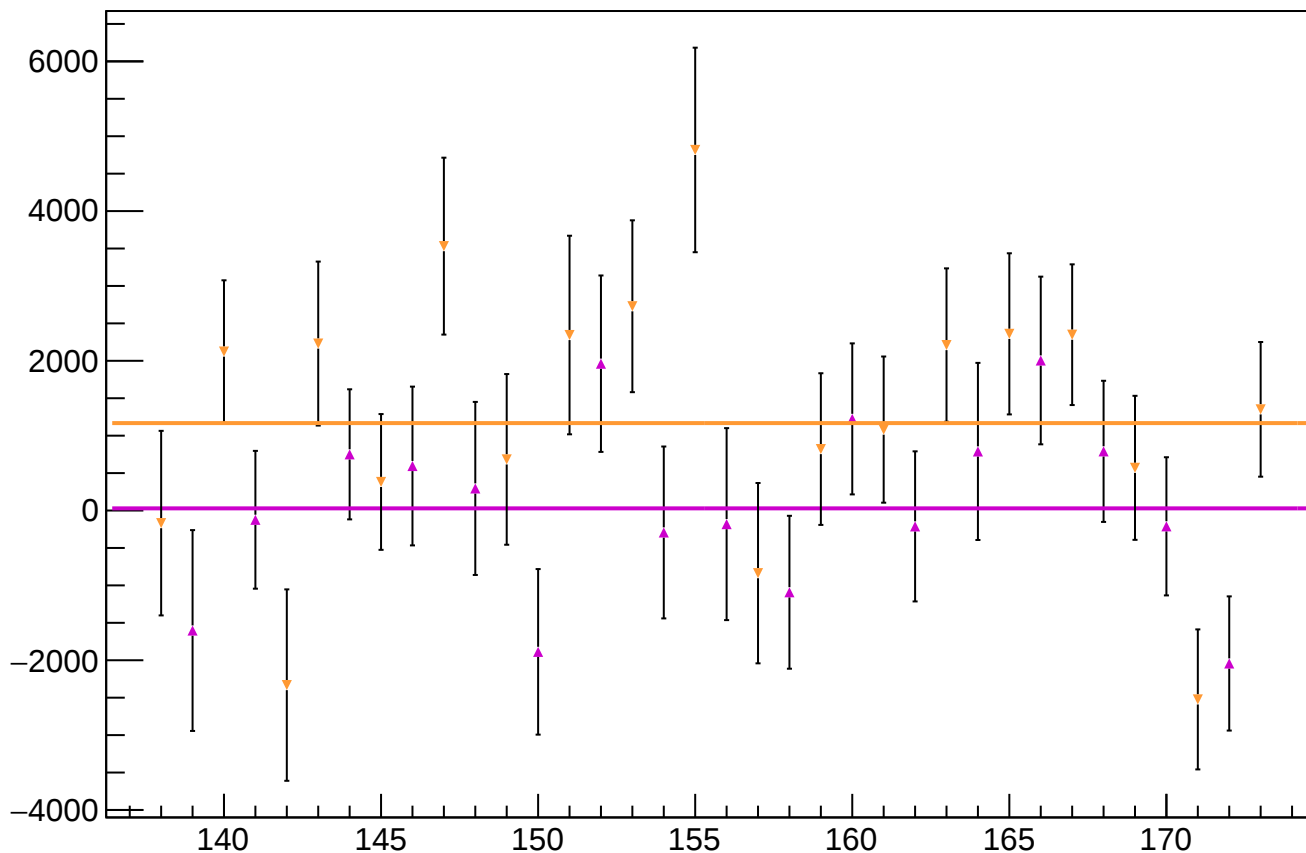
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 917.881+/-0.179 χ^2/NDF : 386681.3/16

Out: 910.751+/-0.172 χ^2/NDF : 439902.7/18

All: 914.179+/-0.124 χ^2/NDF : 827407.4/35

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left Out: 1167.939+/-243.309 χ^2/NDF :48.1/18

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

Left In: 28.830+/-253.222 χ^2/NDF :20.6/16

Left: 621.116+/-175.445 χ^2/NDF : 79.2/35

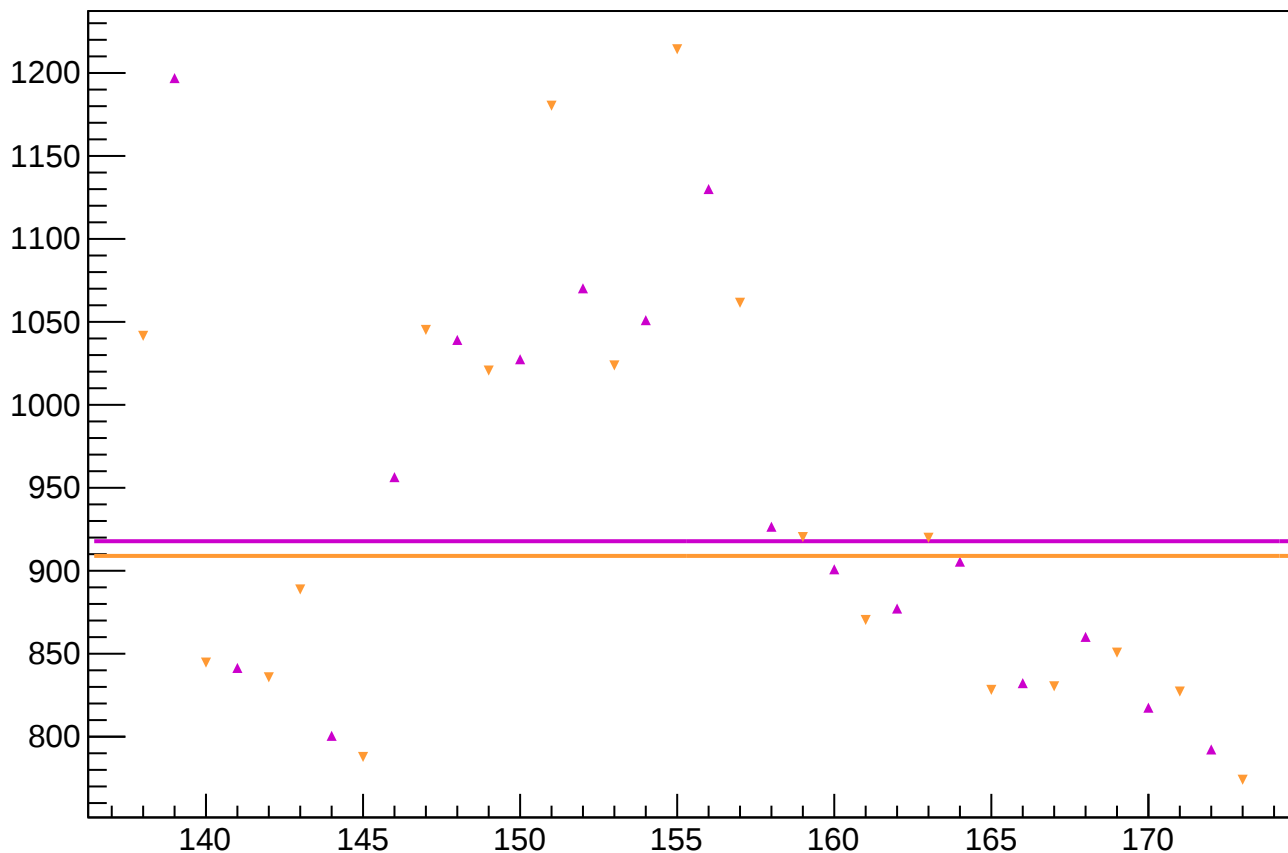
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 28.830+/-253.222 χ^2/NDF :20.6/16

Out: 1167.939+/-243.309 χ^2/NDF :48.1/18

All: 621.116+/-175.445 χ^2/NDF : 79.2/35

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 908.954+/-0.172 χ^2/NDF : 453134.0/18

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

Left In: 917.809+/-0.179 χ^2/NDF : 382561.4/16

Left: 913.205+/-0.124 χ^2/NDF : 836967.0/35

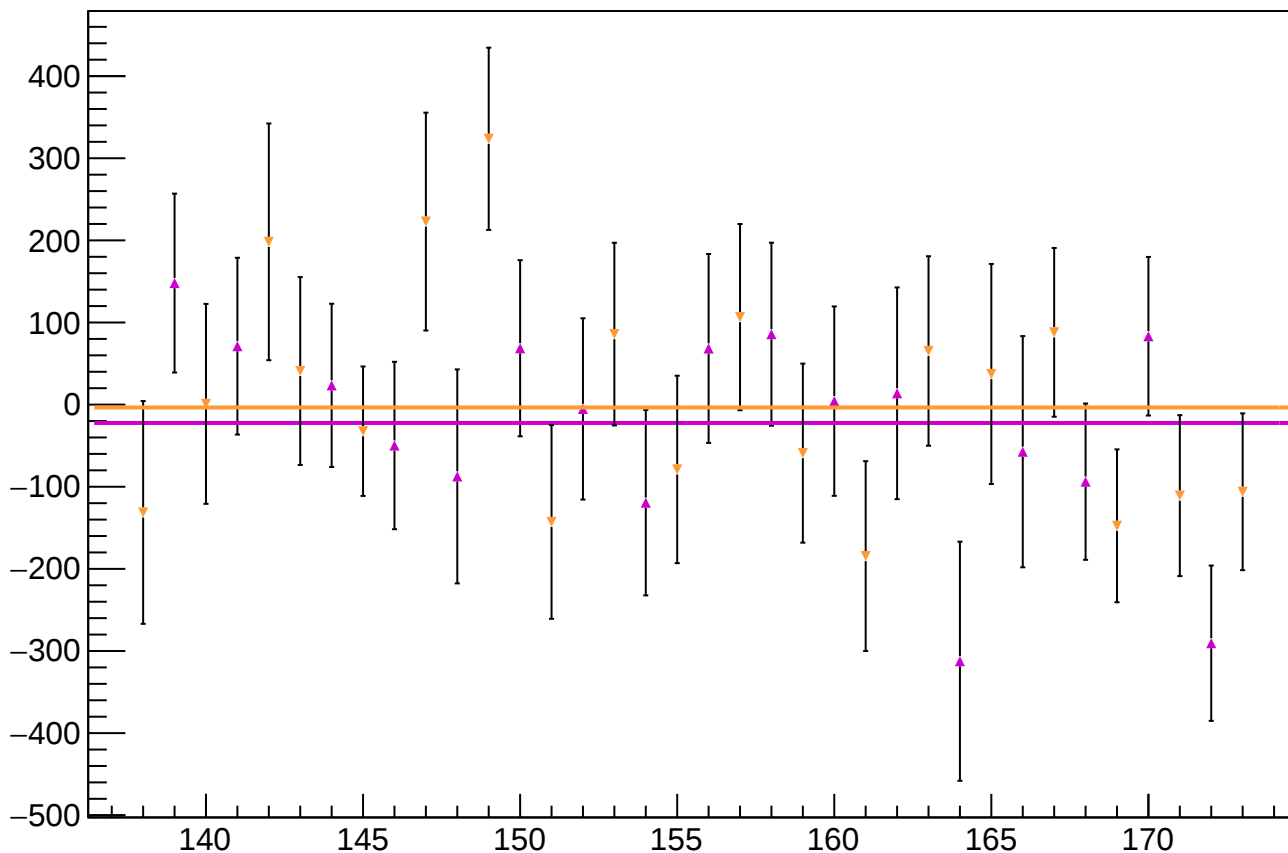
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 917.809+/-0.179 χ^2/NDF : 382561.4/16

Out: 908.954+/-0.172 χ^2/NDF : 453134.0/18

All: 913.205+/-0.124 χ^2/NDF : 836967.0/35

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -3.459+/-25.265 χ^2/NDF :26.9/18

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

Left In: -22.320+/-26.790 χ^2/NDF :20.8/16

Left: -12.338+/-18.380 χ^2/NDF : 47.9/35

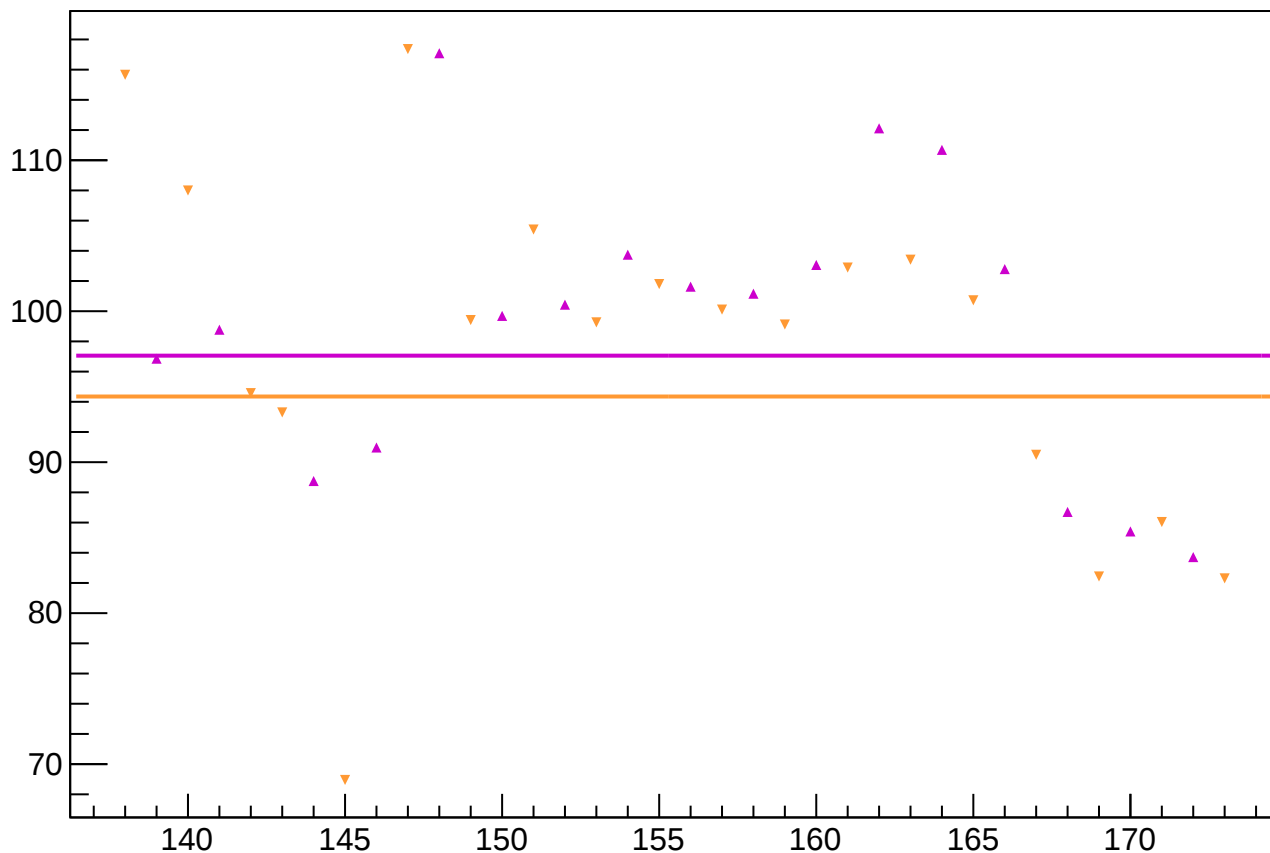
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -22.320+/-26.790 χ^2/NDF :20.8/16

Out: -3.459+/-25.265 χ^2/NDF :26.9/18

All: -12.338+/-18.380 χ^2/NDF : 47.9/35

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 94.350+/-0.018 χ^2/NDF : 495393.3/18

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

Left In: 97.056+/-0.019 χ^2/NDF : 231001.7/16

Left: 95.624+/-0.013 χ^2/NDF : 737194.4/35

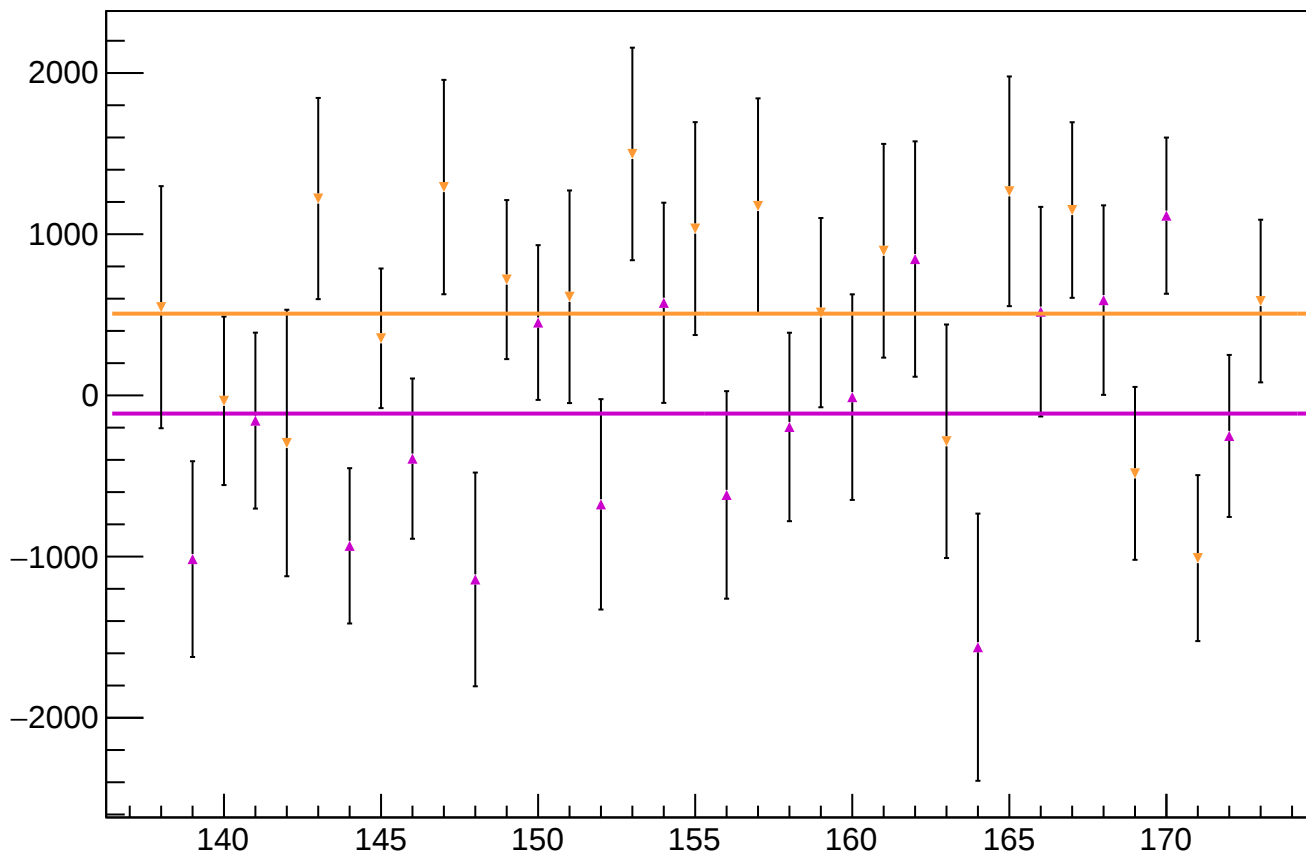
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 97.056+/-0.019 χ^2/NDF : 231001.7/16

Out: 94.350+/-0.018 χ^2/NDF : 495393.3/18

All: 95.624+/-0.013 χ^2/NDF : 737194.4/35

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 507.185+/-136.205 χ^2/NDF :25.1/18

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

Left In: -112.772+/-140.596 χ^2/NDF :25.5/16

Left: 207.040+/-97.827 χ^2/NDF : 60.7/35

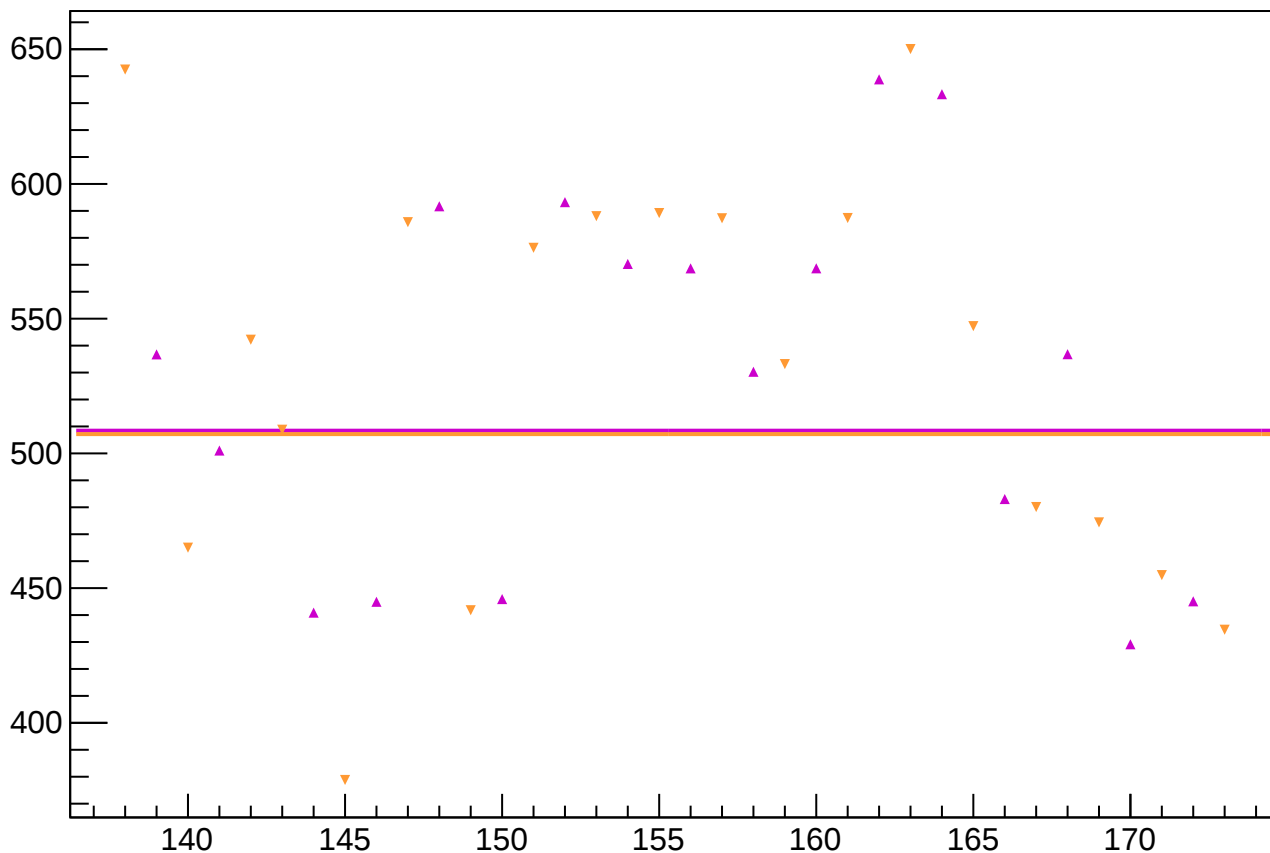
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -112.772+/-140.596 χ^2/NDF :25.5/16

Out: 507.185+/-136.205 χ^2/NDF :25.1/18

All: 207.040+/-97.827 χ^2/NDF : 60.7/35

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 507.159+/-0.096 χ^2/NDF : 623904.9/18

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

Left In: 508.428+/-0.099 χ^2/NDF : 436097.2/16

Left: 507.773+/-0.069 χ^2/NDF : 1060086.2/35

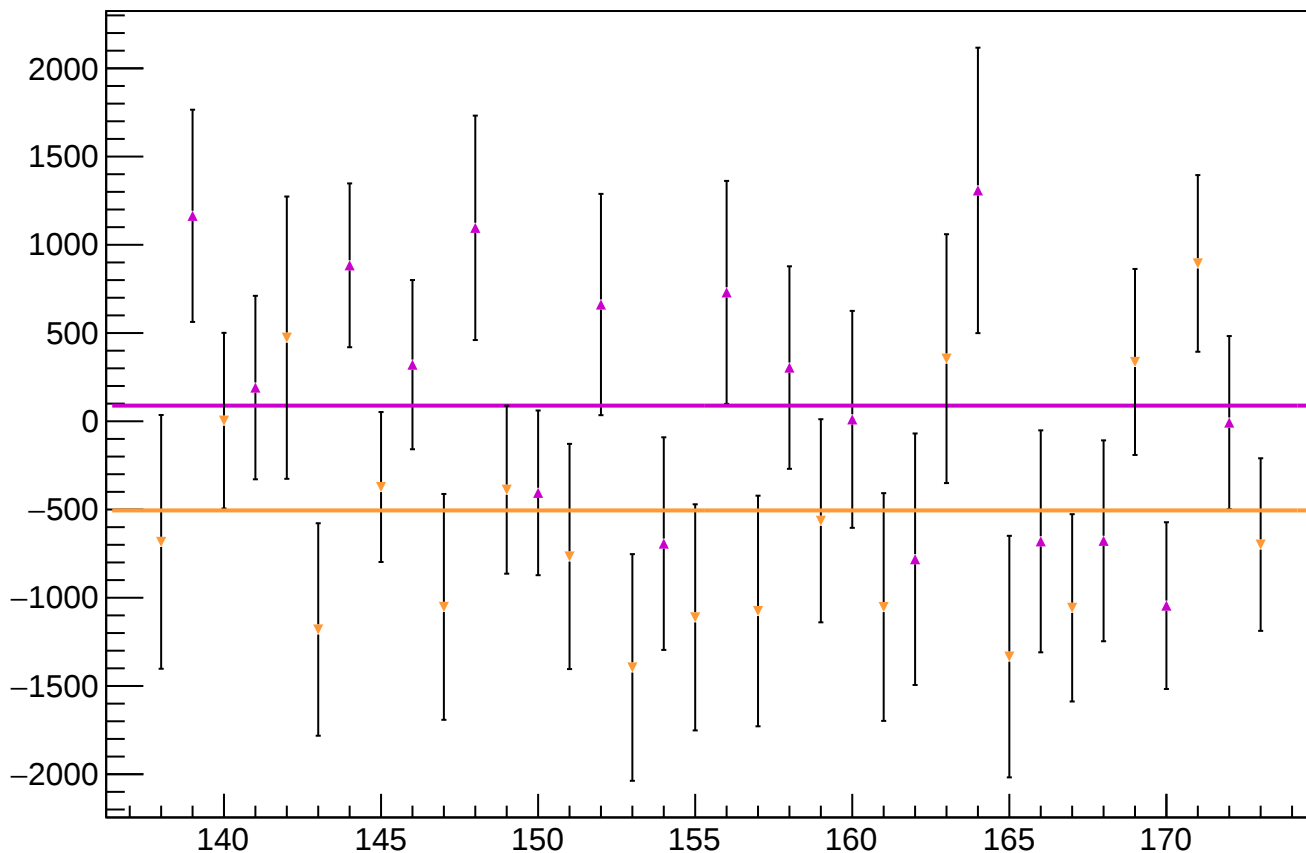
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 508.428+/-0.099 χ^2/NDF : 436097.2/16

Out: 507.159+/-0.096 χ^2/NDF : 623904.9/18

All: 507.773+/-0.069 χ^2/NDF : 1060086.2/35

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -505.151+/-132.176 χ^2/NDF :23.8/18

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

Left In: 88.695+/-136.380 χ^2/NDF :26.6/16

Left: -217.523+/-94.914 χ^2/NDF : 60.2/35

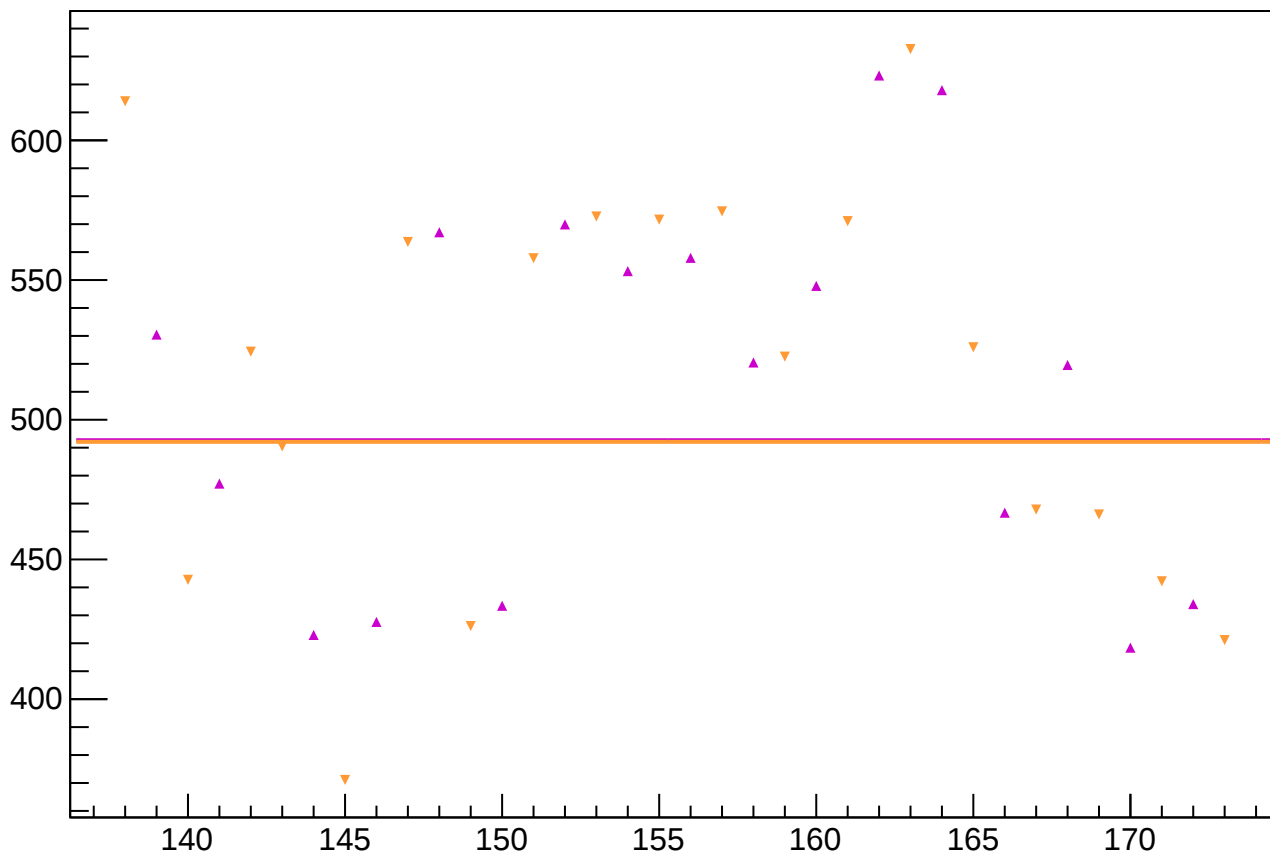
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 88.695+/-136.380 χ^2/NDF :26.6/16

Out: -505.151+/-132.176 χ^2/NDF :23.8/18

All: -217.523+/-94.914 χ^2/NDF : 60.2/35

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 492.104+/-0.093 χ^2/NDF :612486.7/18

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

Left In: 492.669+/-0.096 χ^2/NDF :444914.3/16

Left: 492.378+/-0.067 χ^2/NDF : 1057418.7/35

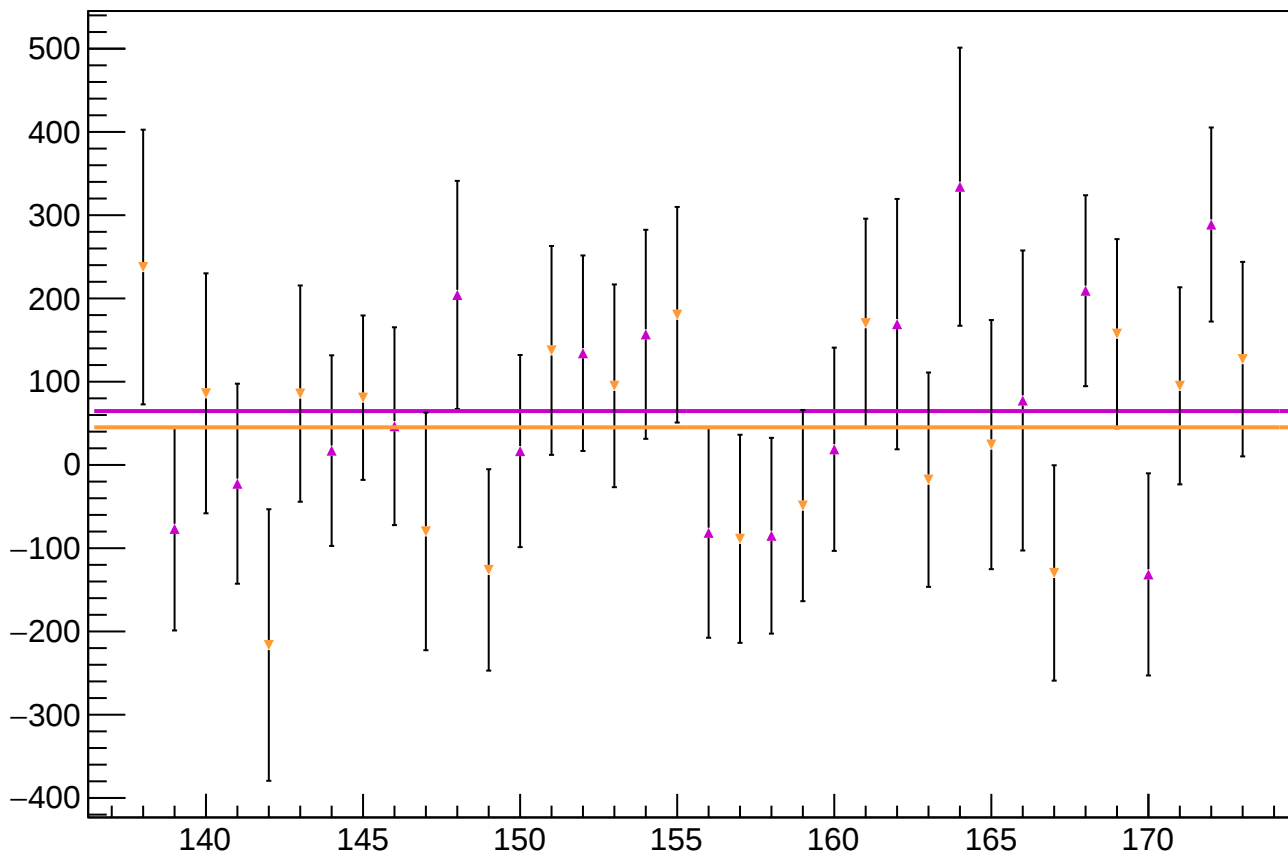
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 492.669+/-0.096 χ^2/NDF :444914.3/16

Out: 492.104+/-0.093 χ^2/NDF :612486.7/18

All: 492.378+/-0.067 χ^2/NDF : 1057418.7/35

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 45.216 $\pm$ 29.079 χ^2 /NDF:15.4/18

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

Left In: 64.719 $\pm$ 30.448 χ^2 /NDF:18.3/16

Left: 54.519 $\pm$ 21.029 χ^2 /NDF: 33.8/35

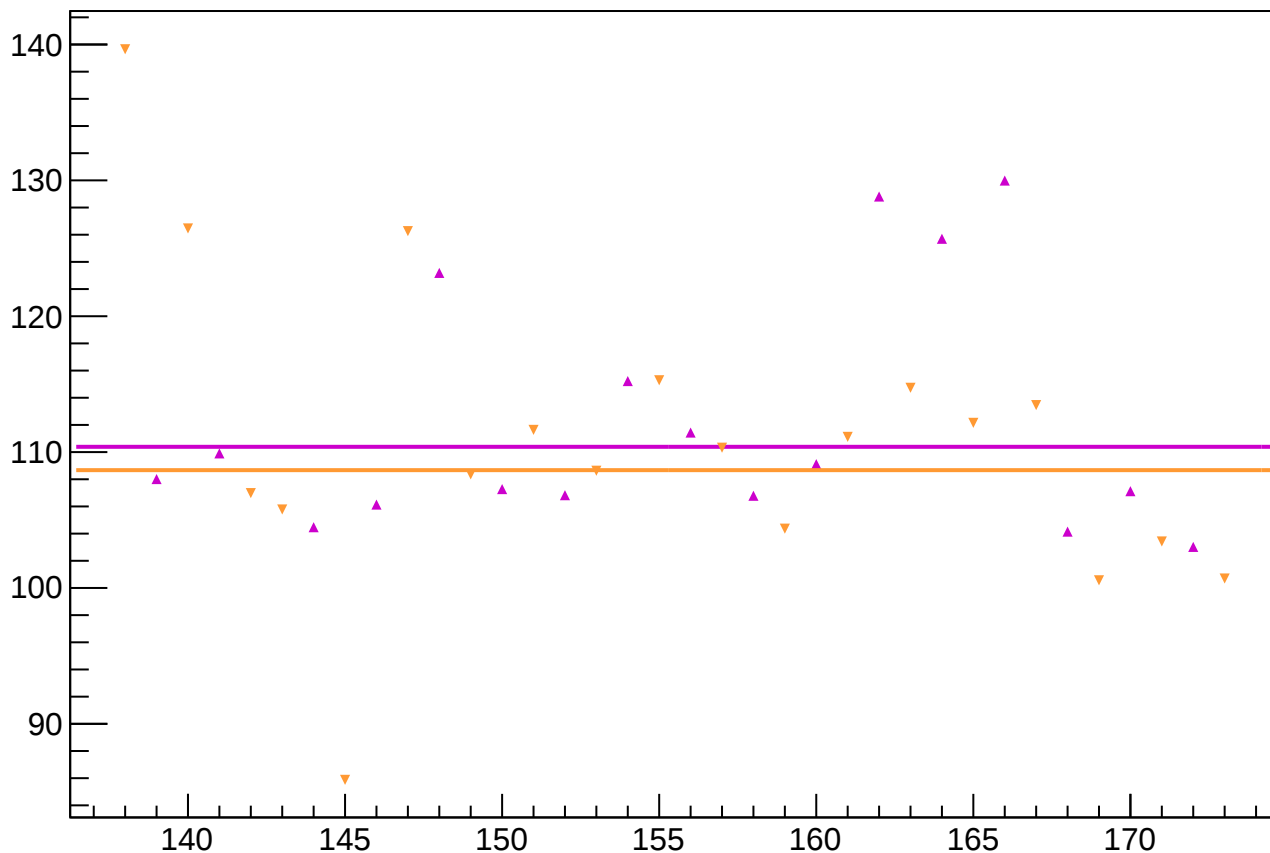
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 64.719 $\pm$ 30.448 χ^2 /NDF:18.3/16

Out: 45.216 $\pm$ 29.079 χ^2 /NDF:15.4/18

All: 54.519 $\pm$ 21.029 χ^2 /NDF: 33.8/35

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 108.671 $\pm$ 0.021 χ^2/NDF :281146.6/18

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

Left In: 110.390 $\pm$ 0.022 χ^2/NDF :120503.5/16

Left: 109.491 $\pm$ 0.015 χ^2/NDF : 404982.3/35

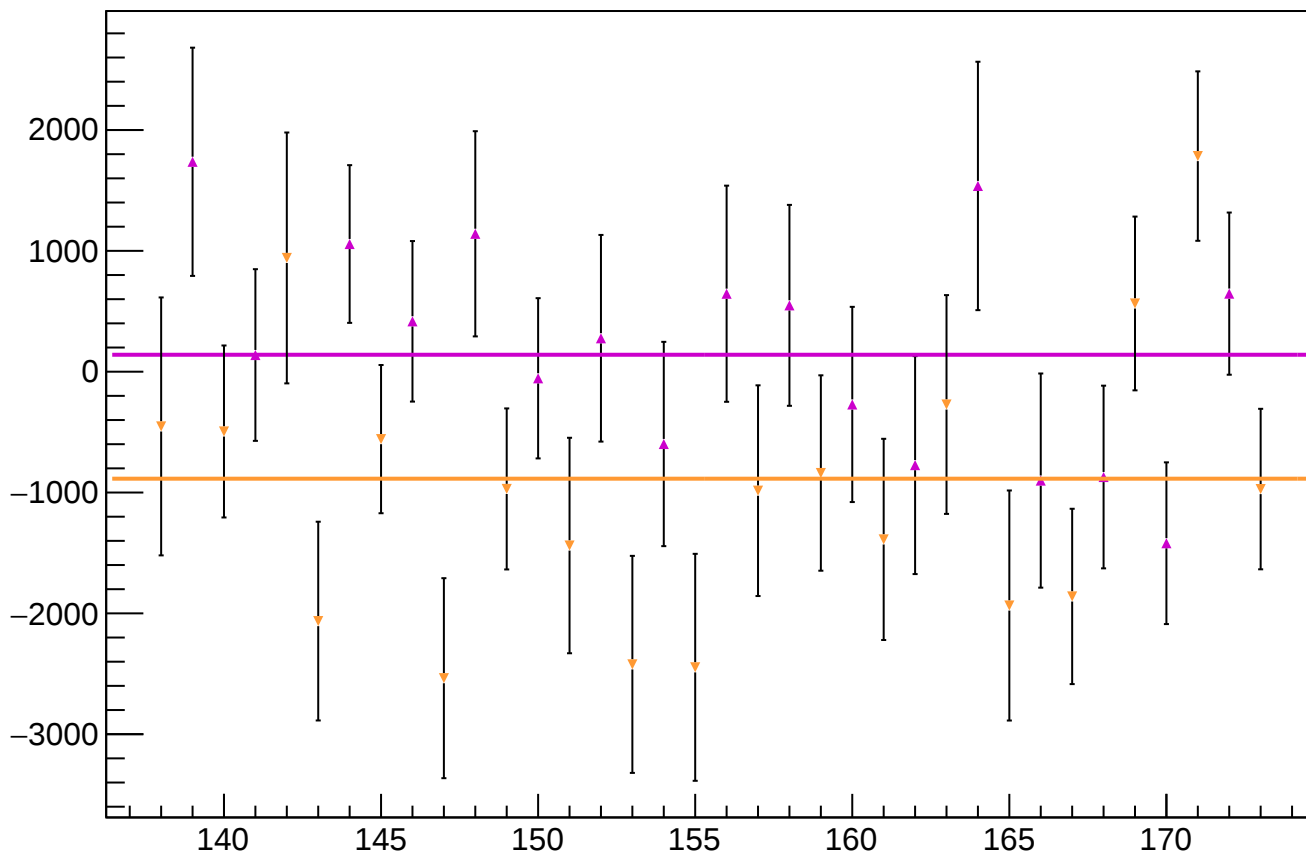
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 110.390 $\pm$ 0.022 χ^2/NDF :120503.5/16

Out: 108.671 $\pm$ 0.021 χ^2/NDF :281146.6/18

All: 109.491 $\pm$ 0.015 χ^2/NDF : 404982.3/35

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -885.486 $\pm$ 182.550 χ^2 /NDF:38.4/18

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

Left In: 140.155 $\pm$ 188.890 χ^2 /NDF:20.1/16

Left: -390.168 $\pm$ 131.267 χ^2 /NDF: 73.8/35

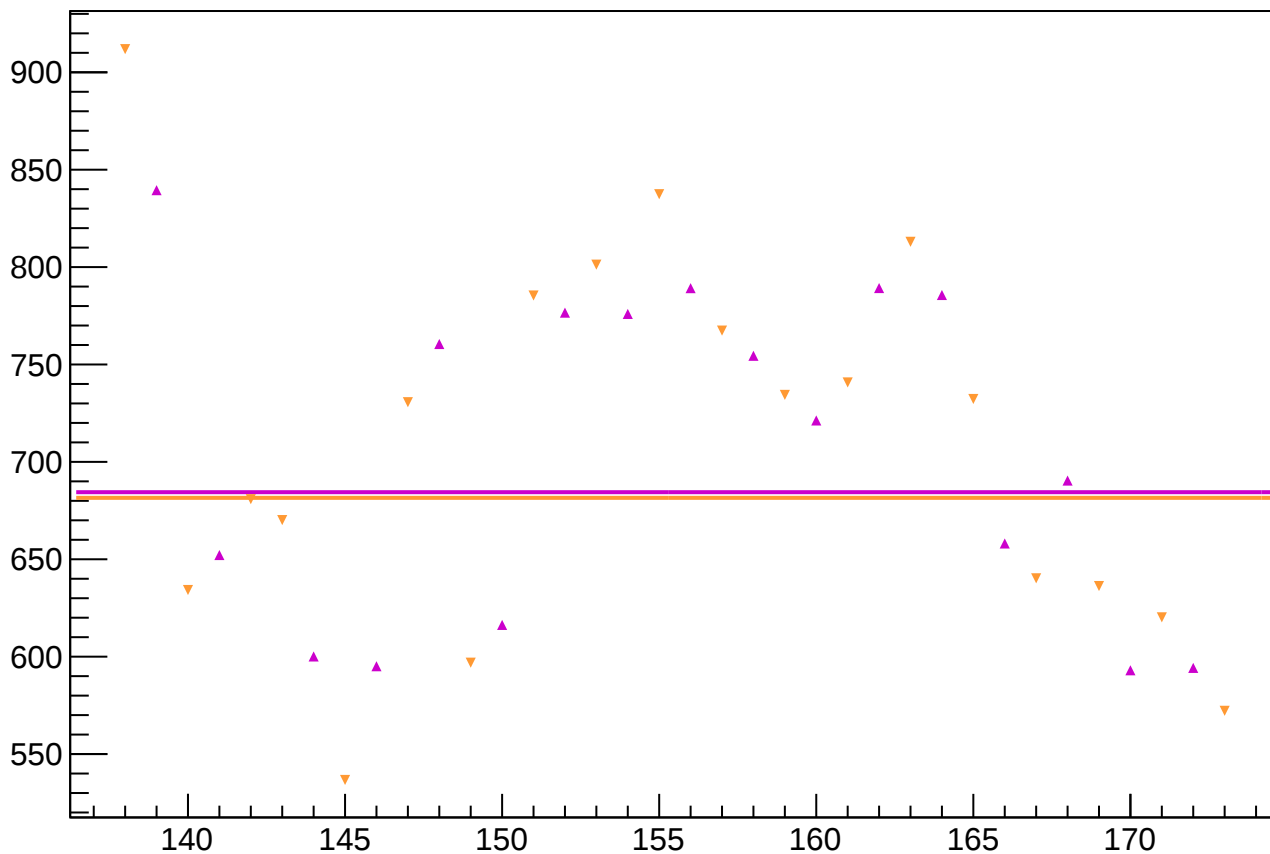
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 140.155 $\pm$ 188.890 χ^2 /NDF:20.1/16

Out: -885.486 $\pm$ 182.550 χ^2 /NDF:38.4/18

All: -390.168 $\pm$ 131.267 χ^2 /NDF: 73.8/35

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 681.538+/-0.129 χ^2/NDF :540842.1/18

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

Left In: 684.438+/-0.134 χ^2/NDF :379011.1/16

Left: 682.939+/-0.093 χ^2/NDF : 920097.0/35

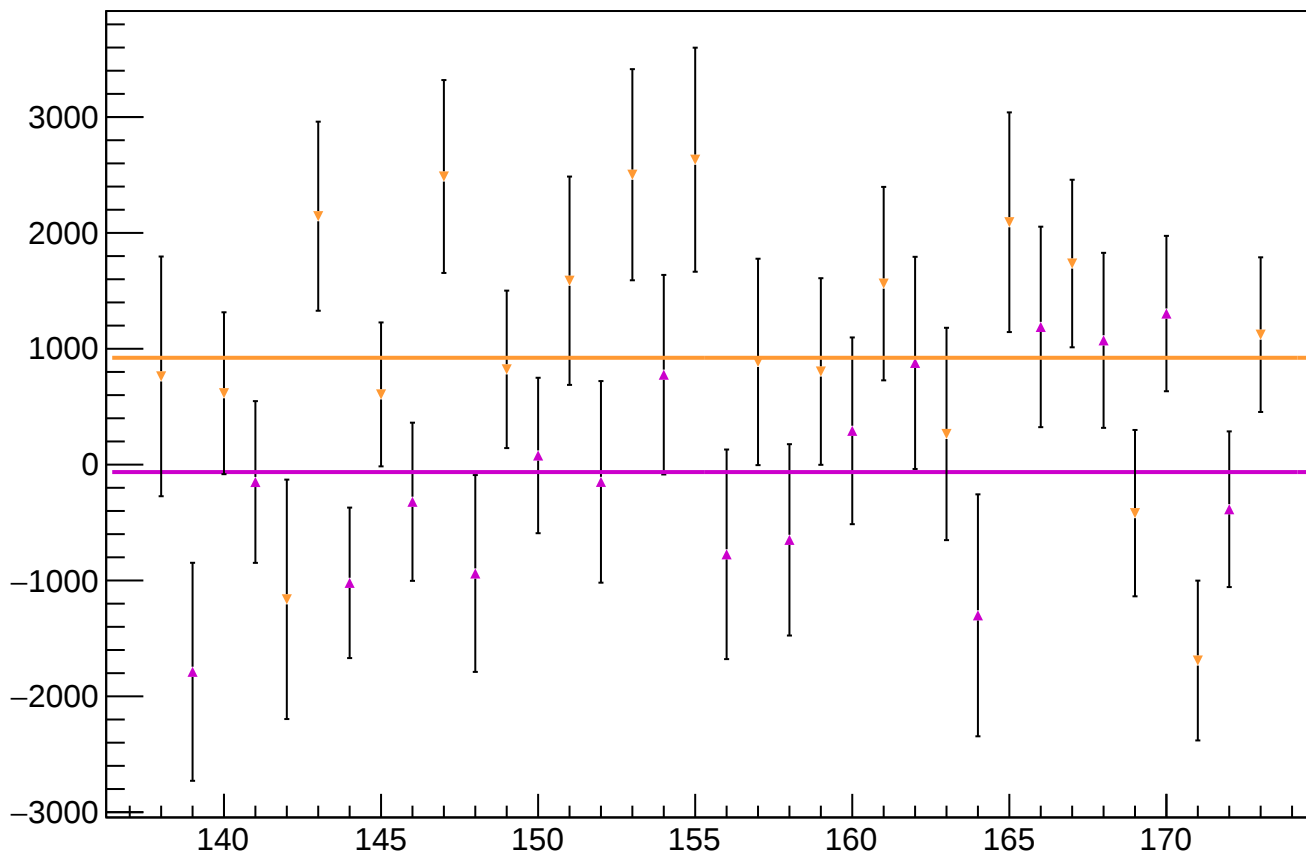
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 684.438+/-0.134 χ^2/NDF :379011.1/16

Out: 681.538+/-0.129 χ^2/NDF :540842.1/18

All: 682.939+/-0.093 χ^2/NDF : 920097.0/35

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 922.223+/-182.965 χ^2/NDF :38.9/18

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

Left In: -64.306+/-189.517 χ^2/NDF :20.3/16

Left: 446.308+/-131.631 χ^2/NDF : 73.2/35

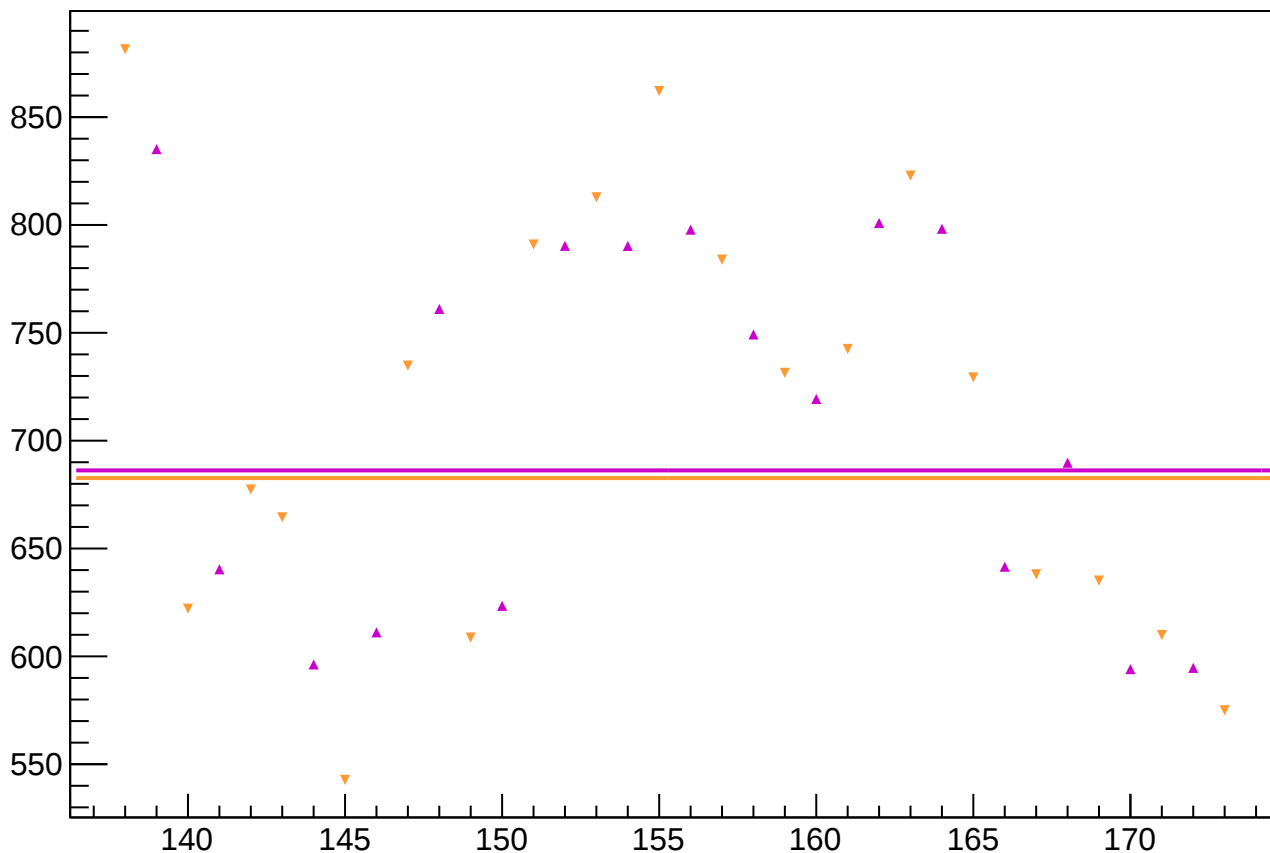
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -64.306+/-189.517 χ^2/NDF :20.3/16

Out: 922.223+/-182.965 χ^2/NDF :38.9/18

All: 446.308+/-131.631 χ^2/NDF : 73.2/35

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 682.662+/-0.129 χ^2/NDF :547411.4/18

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

Left In: 686.222+/-0.134 χ^2/NDF :392388.5/16

Left: 684.380+/-0.093 χ^2/NDF : 940165.1/35

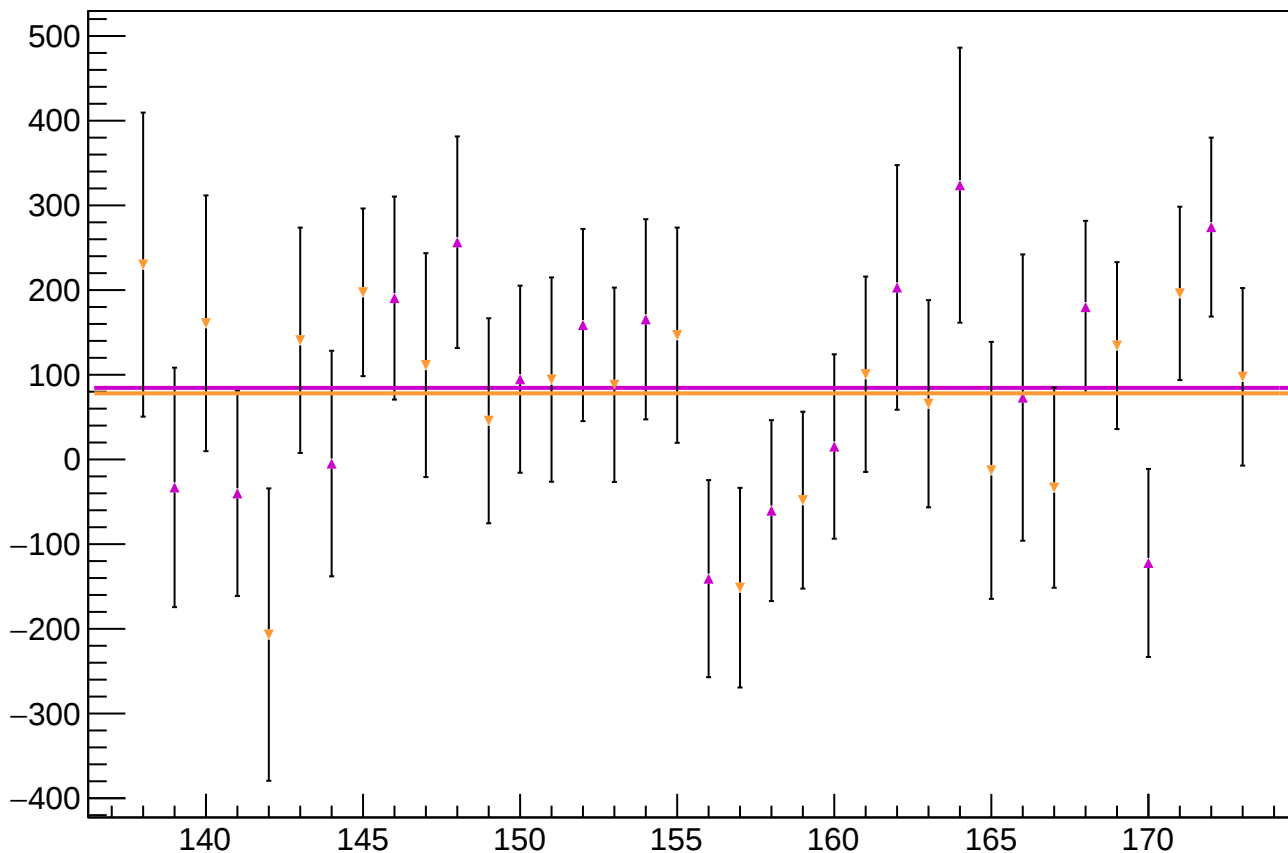
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 686.222+/-0.134 χ^2/NDF :392388.5/16

Out: 682.662+/-0.129 χ^2/NDF :547411.4/18

All: 684.380+/-0.093 χ^2/NDF : 940165.1/35

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 78.110 $\pm$ 27.640 χ^2 /NDF:14.1/18

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

Left In: 84.544 $\pm$ 29.194 χ^2 /NDF:22.2/16

Left: 81.151 $\pm$ 20.072 χ^2 /NDF: 36.3/35

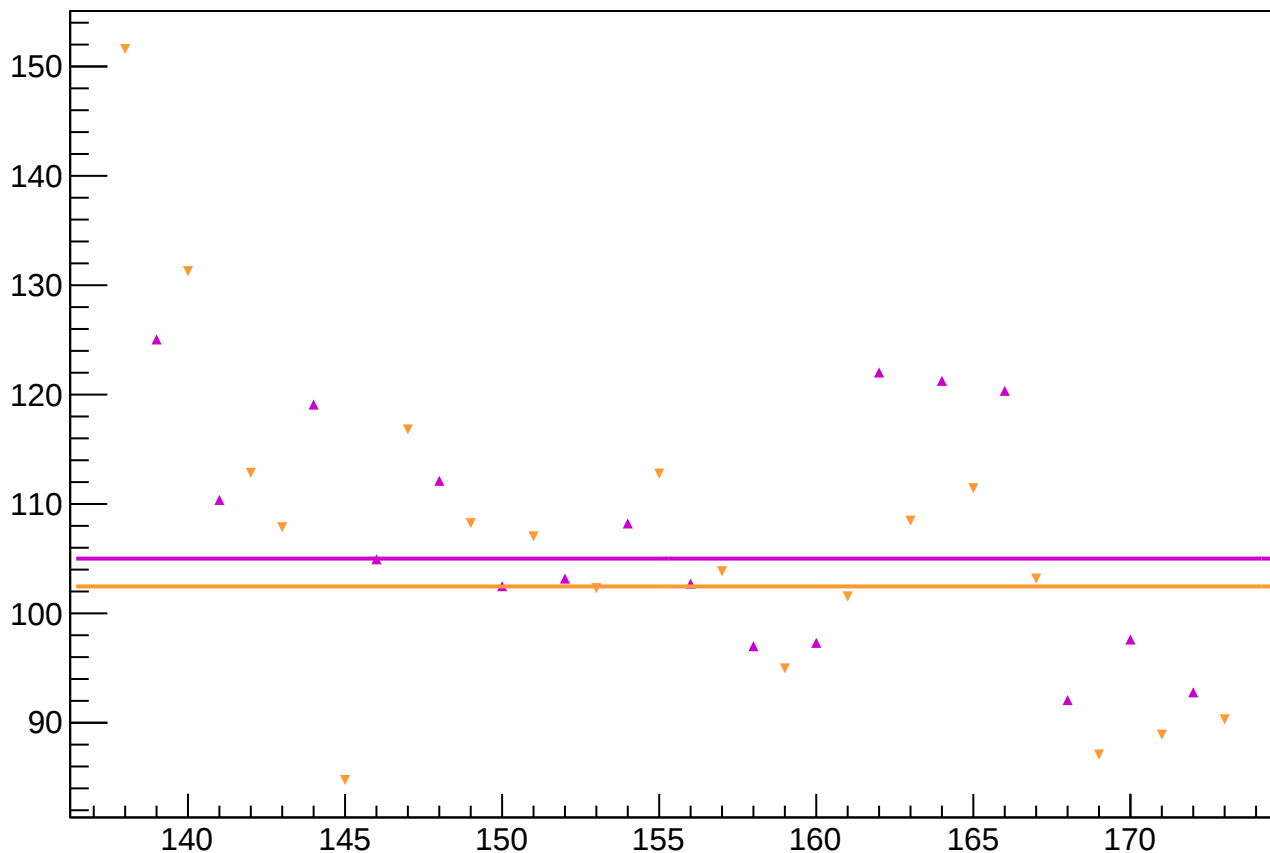
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 84.544 $\pm$ 29.194 χ^2 /NDF:22.2/16

Out: 78.110 $\pm$ 27.640 χ^2 /NDF:14.1/18

All: 81.151 $\pm$ 20.072 χ^2 /NDF: 36.3/35

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 102.462+/-0.020 χ^2/NDF :474501.9/18

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

Left In: 105.008+/-0.021 χ^2/NDF :230190.6/16

Left: 103.666+/-0.014 χ^2/NDF : 712711.7/35

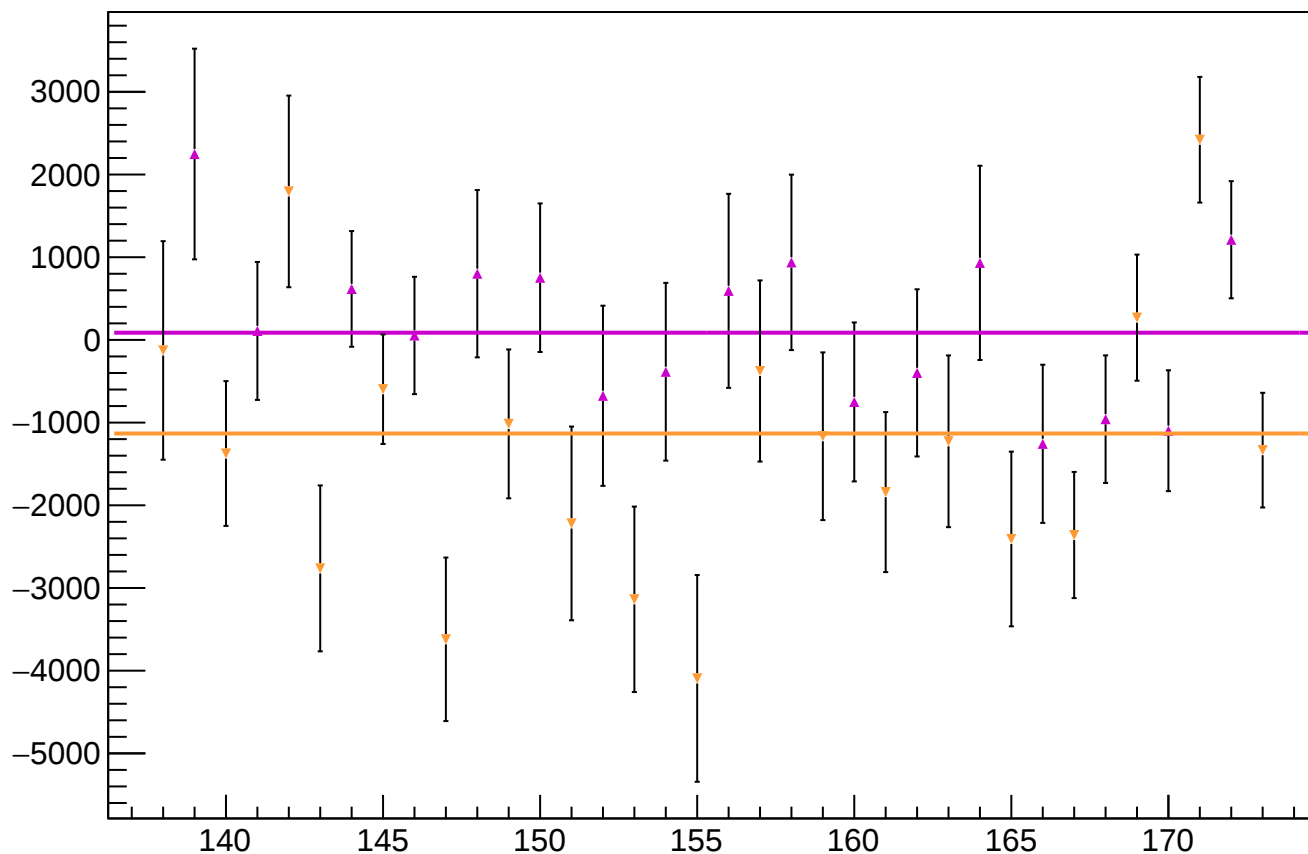
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 105.008+/-0.021 χ^2/NDF :230190.6/16

Out: 102.462+/-0.020 χ^2/NDF :474501.9/18

All: 103.666+/-0.014 χ^2/NDF : 712711.7/35

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1131.880+/-211.936 χ^2/NDF :56.7/18

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

Left In: 87.020+/-217.974 χ^2/NDF :16.5/16

Left: -539.547+/-151.951 χ^2/NDF : 89.3/35

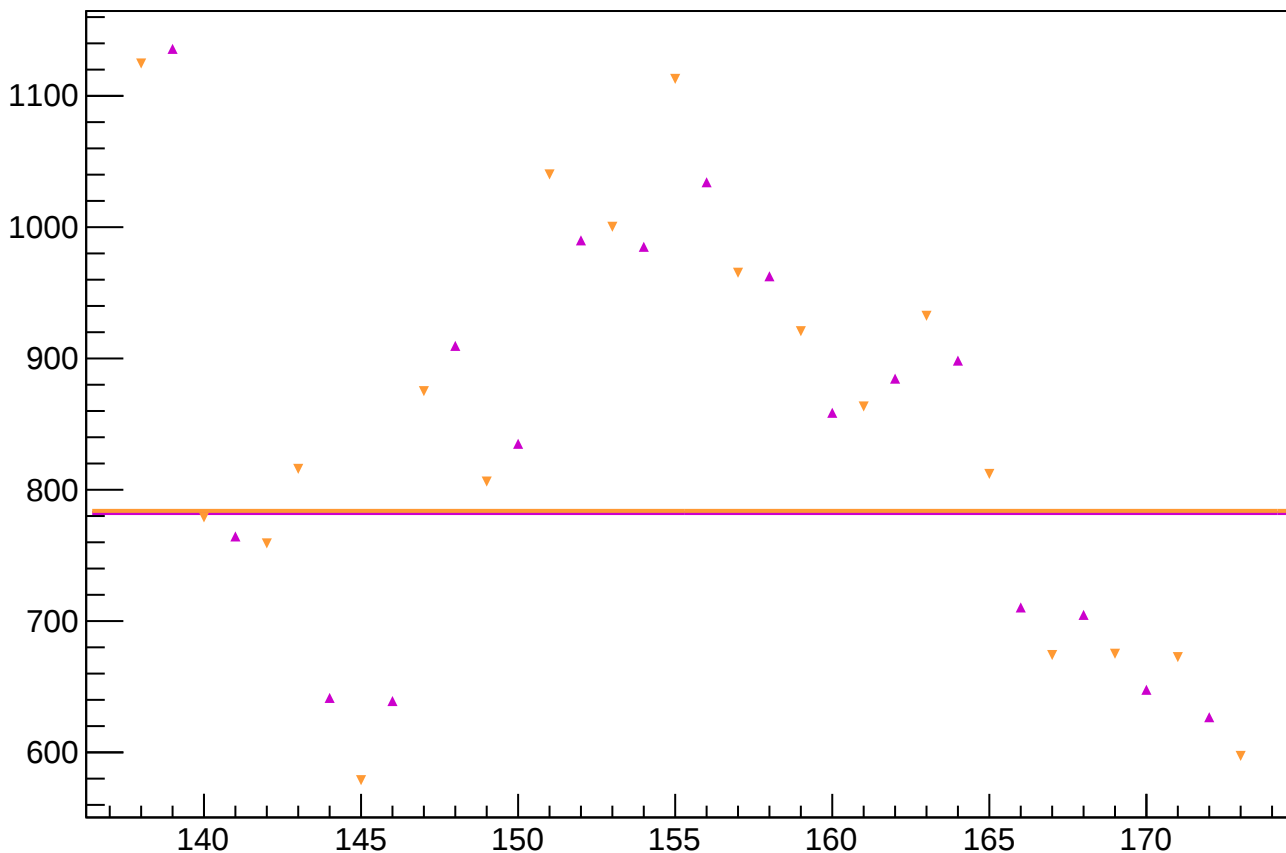
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 87.020+/-217.974 χ^2/NDF :16.5/16

Out: -1131.880+/-211.936 χ^2/NDF :56.7/18

All: -539.547+/-151.951 χ^2/NDF : 89.3/35

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 783.932+/-0.150 χ^2/NDF :1071932.8/18

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

Left In: 782.275+/-0.154 χ^2/NDF :898284.3/16

Left: 783.127+/-0.107 χ^2/NDF : 1970276.4/35

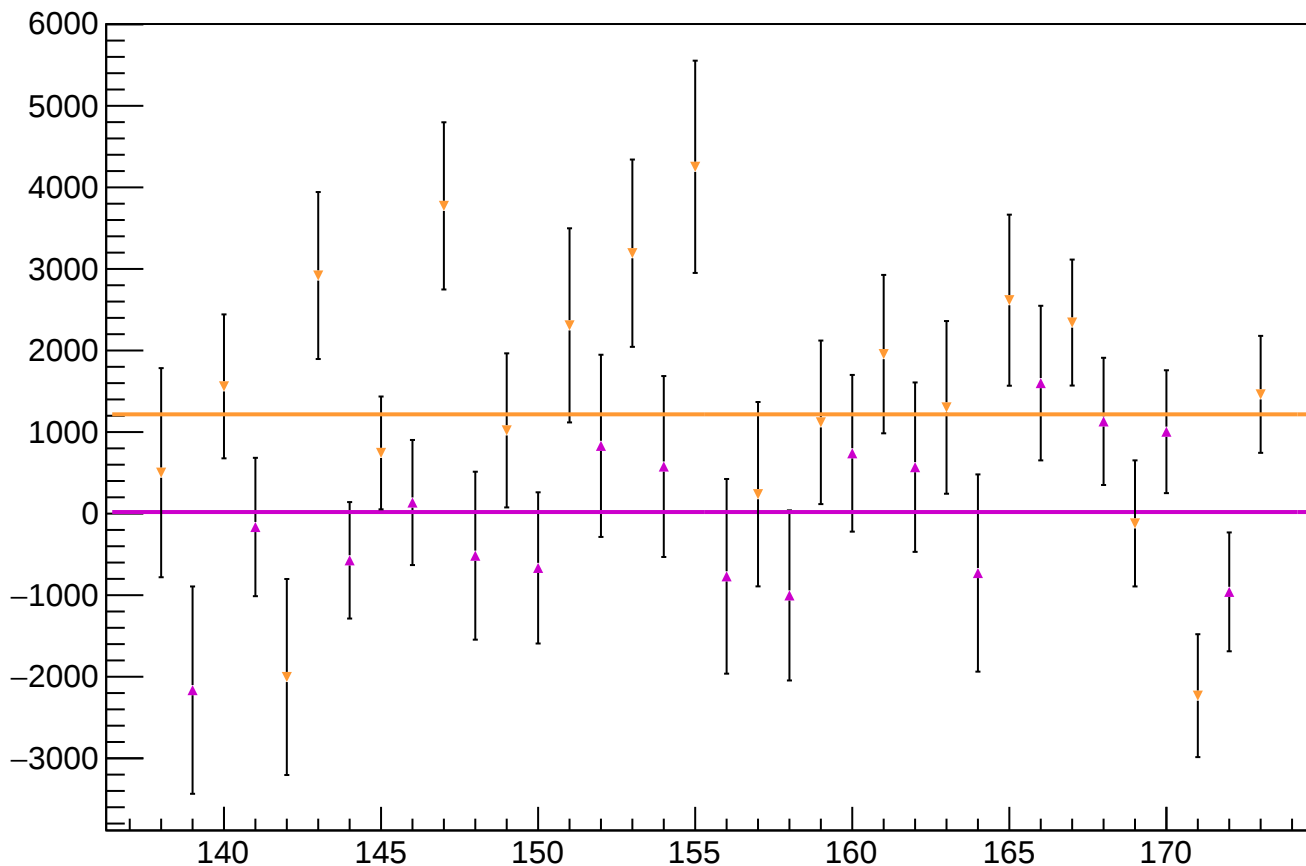
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 782.275+/-0.154 χ^2/NDF :898284.3/16

Out: 783.932+/-0.150 χ^2/NDF :1071932.8/18

All: 783.127+/-0.107 χ^2/NDF : 1970276.4/35

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1217.314+/-215.894 χ^2/NDF :55.7/18

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

Left In: 19.419+/-222.986 χ^2/NDF :16.3/16

Left: 637.720+/-155.107 χ^2/NDF : 86.8/35

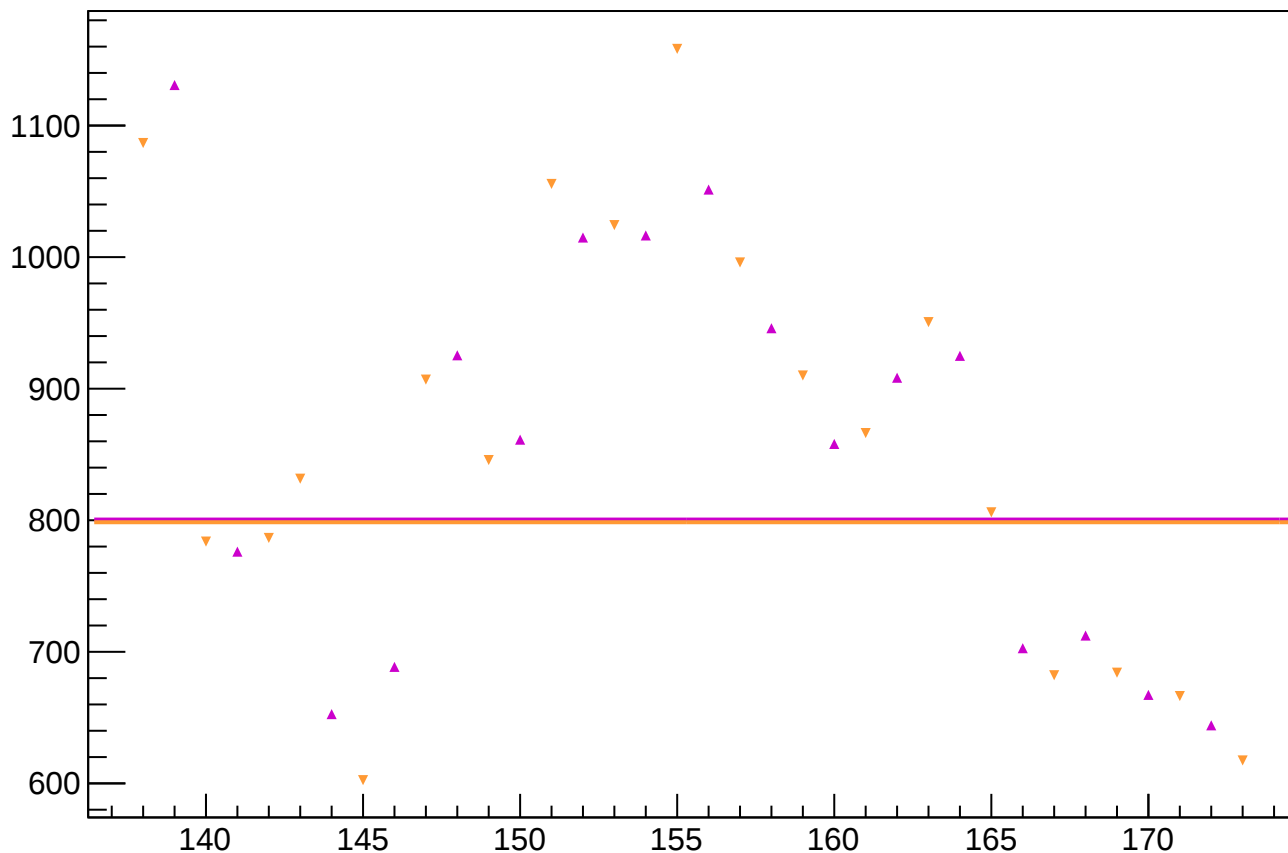
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 19.419+/-222.986 χ^2/NDF :16.3/16

Out: 1217.314+/-215.894 χ^2/NDF :55.7/18

All: 637.720+/-155.107 χ^2/NDF : 86.8/35

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 798.497+/-0.153 χ^2/NDF :1030690.1/18

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

Left In: 800.524+/-0.158 χ^2/NDF :831247.1/16

Left: 799.478+/-0.110 χ^2/NDF : 1862022.4/35

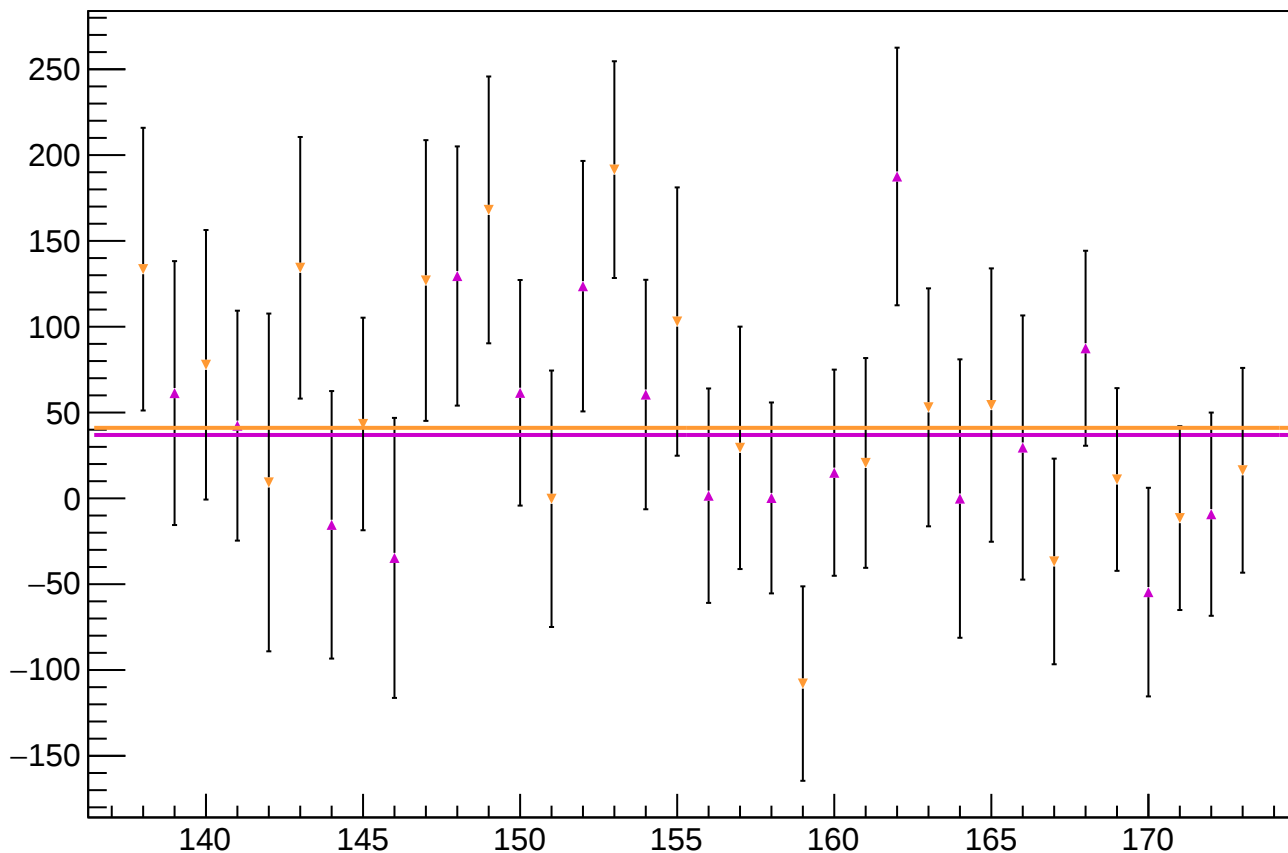
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 800.524+/-0.158 χ^2/NDF :831247.1/16

Out: 798.497+/-0.153 χ^2/NDF :1030690.1/18

All: 799.478+/-0.110 χ^2/NDF : 1862022.4/35

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 41.086 $\pm$ 15.501 χ^2 /NDF:23.7/18

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

Left In: 36.934 $\pm$ 16.337 χ^2 /NDF:13.3/16

Left: 39.119 $\pm$ 11.245 χ^2 /NDF: 37.1/35

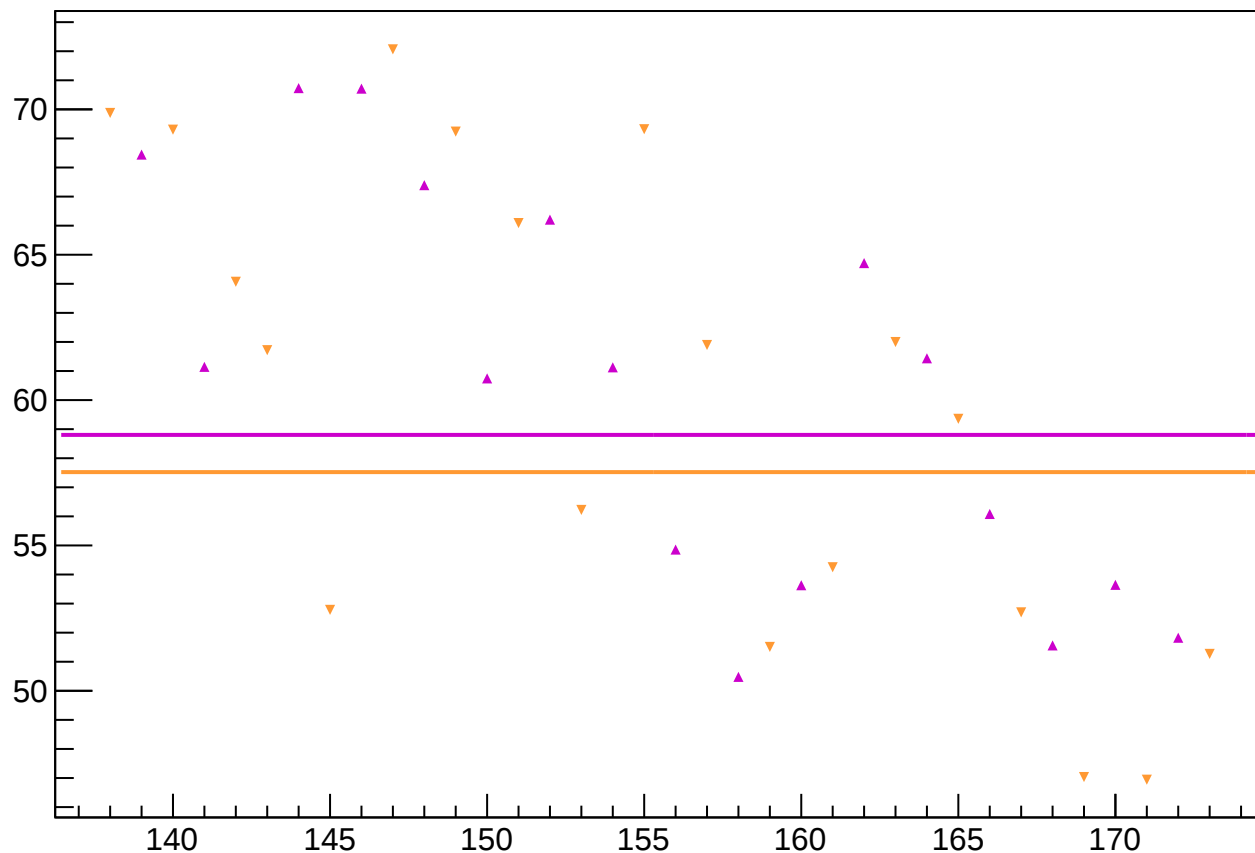
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 36.934 $\pm$ 16.337 χ^2 /NDF:13.3/16

Out: 41.086 $\pm$ 15.501 χ^2 /NDF:23.7/18

All: 39.119 $\pm$ 11.245 χ^2 /NDF: 37.1/35

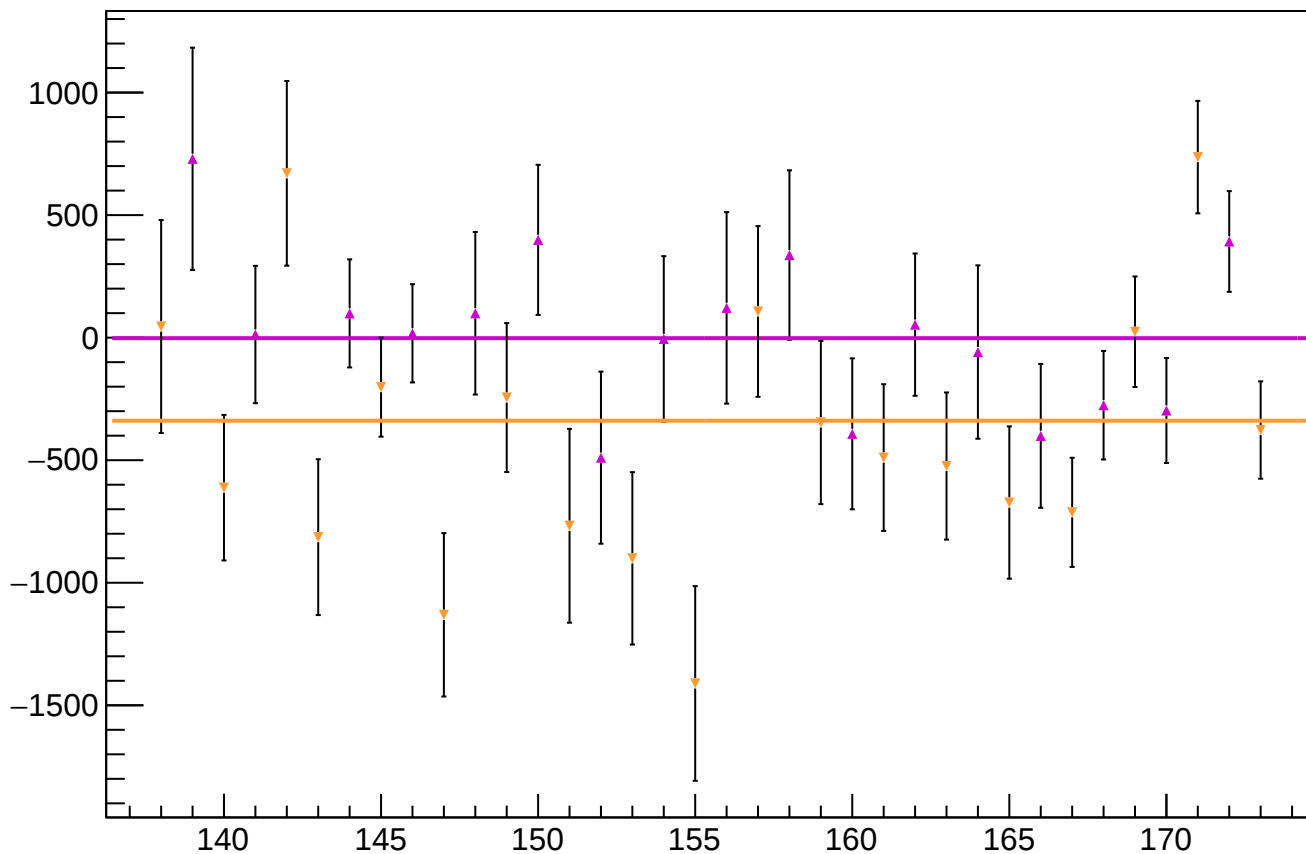
dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 57.523+/-0.011 χ^2/NDF : 534014.8/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 58.803+/-0.012 χ^2/NDF : 333335.4/16

Left: 58.129+/-0.008 χ^2/NDF : 873808.8/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 58.803+/-0.012 χ^2/NDF : 333335.4/16
 Out: 57.523+/-0.011 χ^2/NDF : 534014.8/18
 All: 58.129+/-0.008 χ^2/NDF : 873808.8/35

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -338.880+/-65.548 χ^2/NDF :59.1/18

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

Left In: -2.195+/-67.033 χ^2/NDF :18.3/16

Left: -174.308+/-46.866 χ^2/NDF : 90.2/35

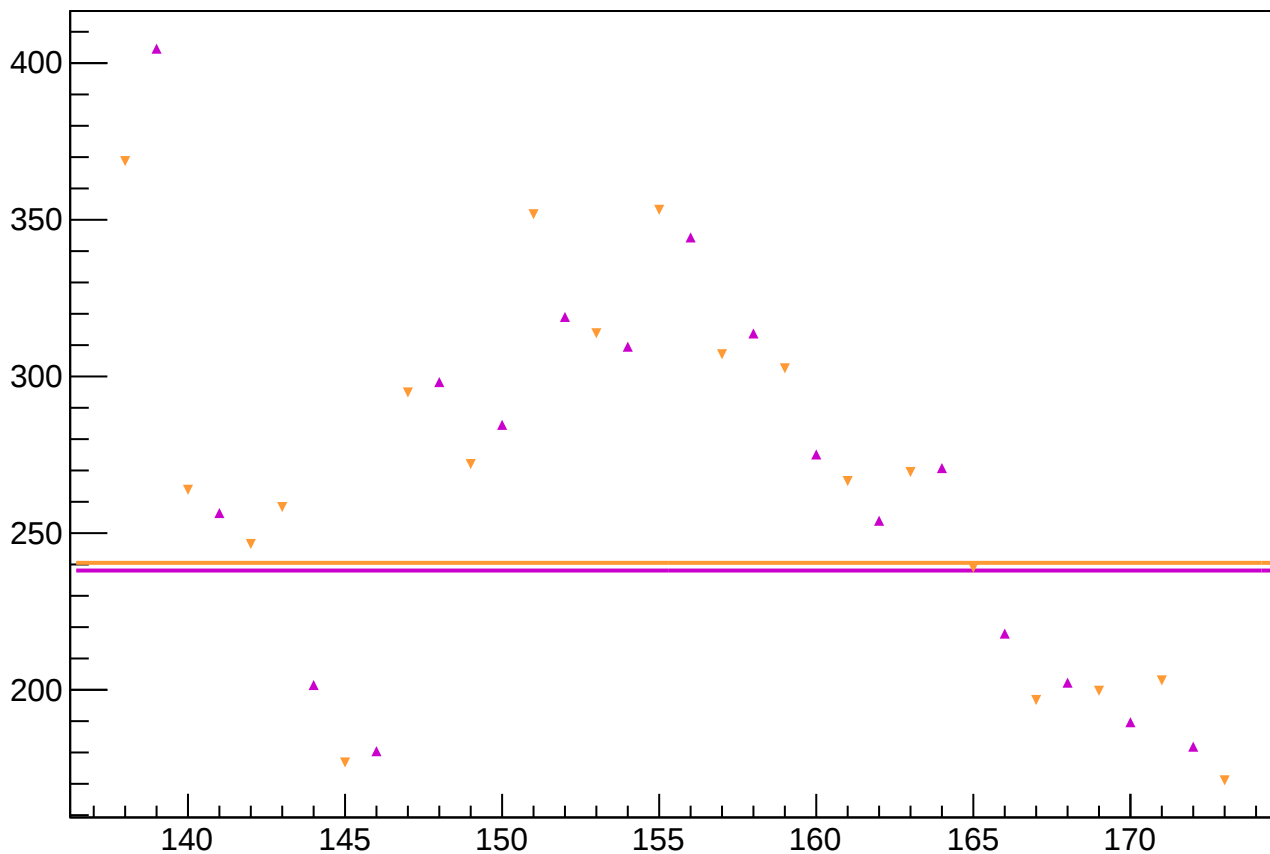
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.195+/-67.033 χ^2/NDF :18.3/16

Out: -338.880+/-65.548 χ^2/NDF :59.1/18

All: -174.308+/-46.866 χ^2/NDF : 90.2/35

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 240.520+/-0.046 χ^2/NDF :1489548.7/18

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

Left In: 238.068+/-0.047 χ^2/NDF :1415945.0/16

Left: 239.322+/-0.033 χ^2/NDF : 2906862.5/35

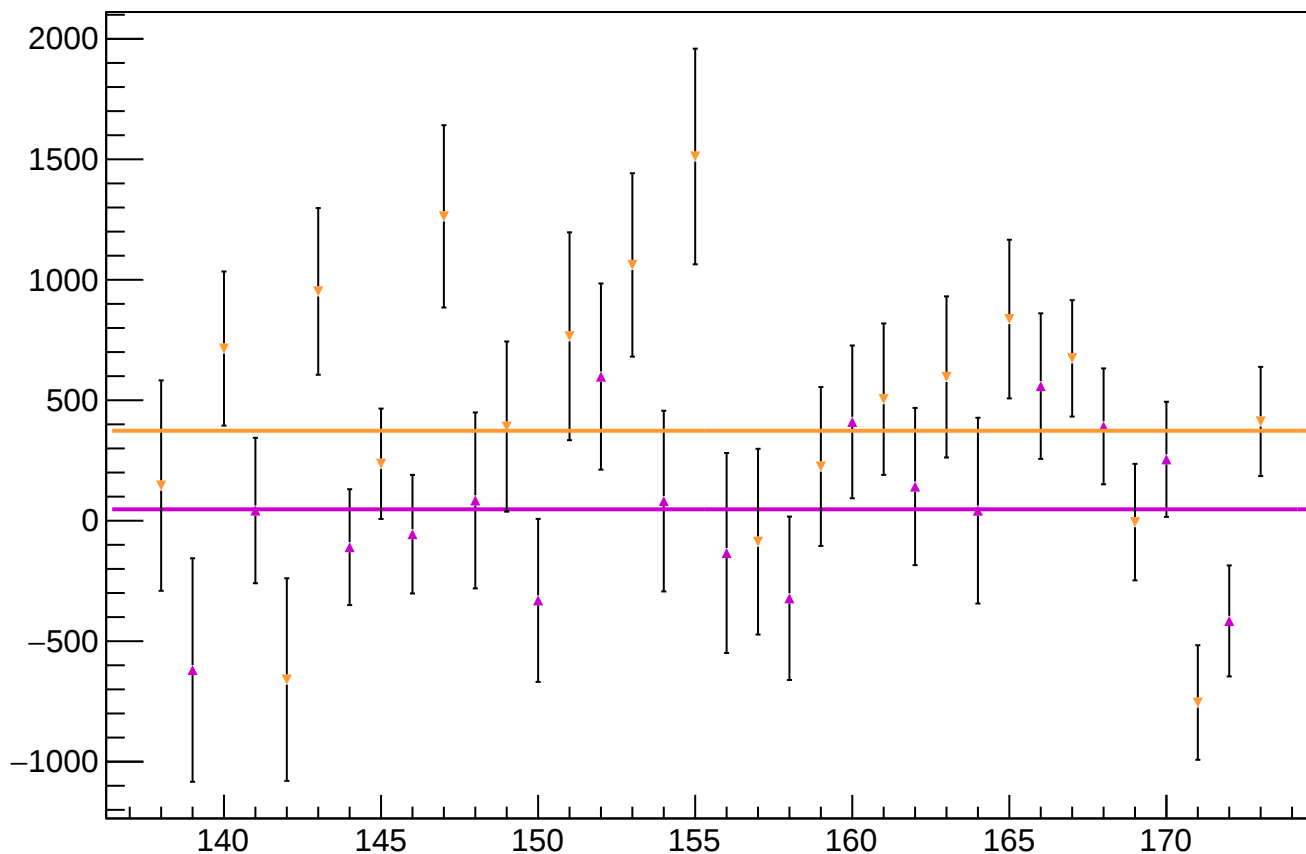
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 238.068+/-0.047 χ^2/NDF :1415945.0/16

Out: 240.520+/-0.046 χ^2/NDF :1489548.7/18

All: 239.322+/-0.033 χ^2/NDF : 2906862.5/35

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 373.496+/-71.427 χ^2/NDF :57.5/18

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

Left In: 47.362+/-73.591 χ^2/NDF :18.5/16

Left: 215.293+/-51.255 χ^2/NDF : 86.0/35

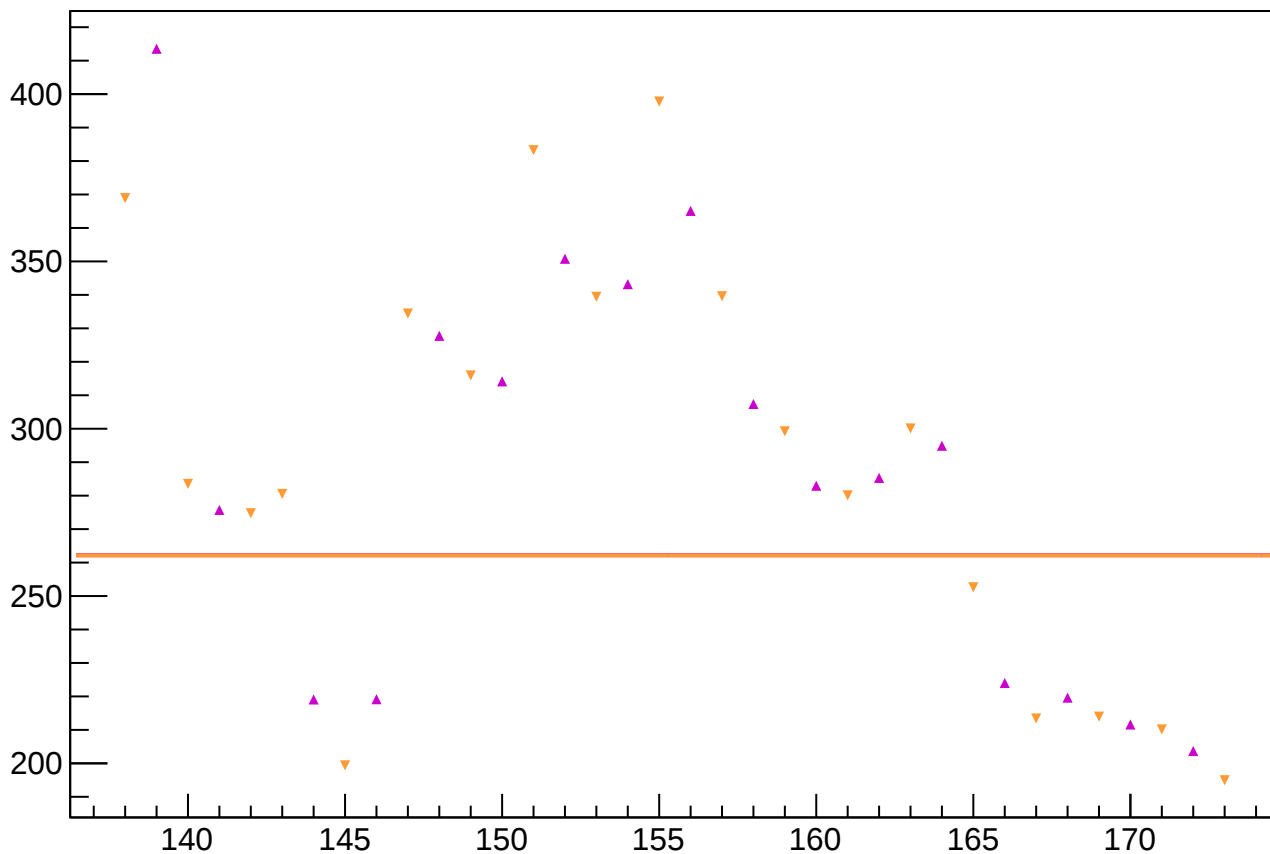
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.362+/-73.591 χ^2/NDF :18.5/16

Out: 373.496+/-71.427 χ^2/NDF :57.5/18

All: 215.293+/-51.255 χ^2/NDF : 86.0/35

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 262.153+/-0.051 χ^2/NDF :1401749.6/18

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

Left In: 262.219+/-0.052 χ^2/NDF :1157219.7/16

Left: 262.185+/-0.036 χ^2/NDF : 2558970.1/35

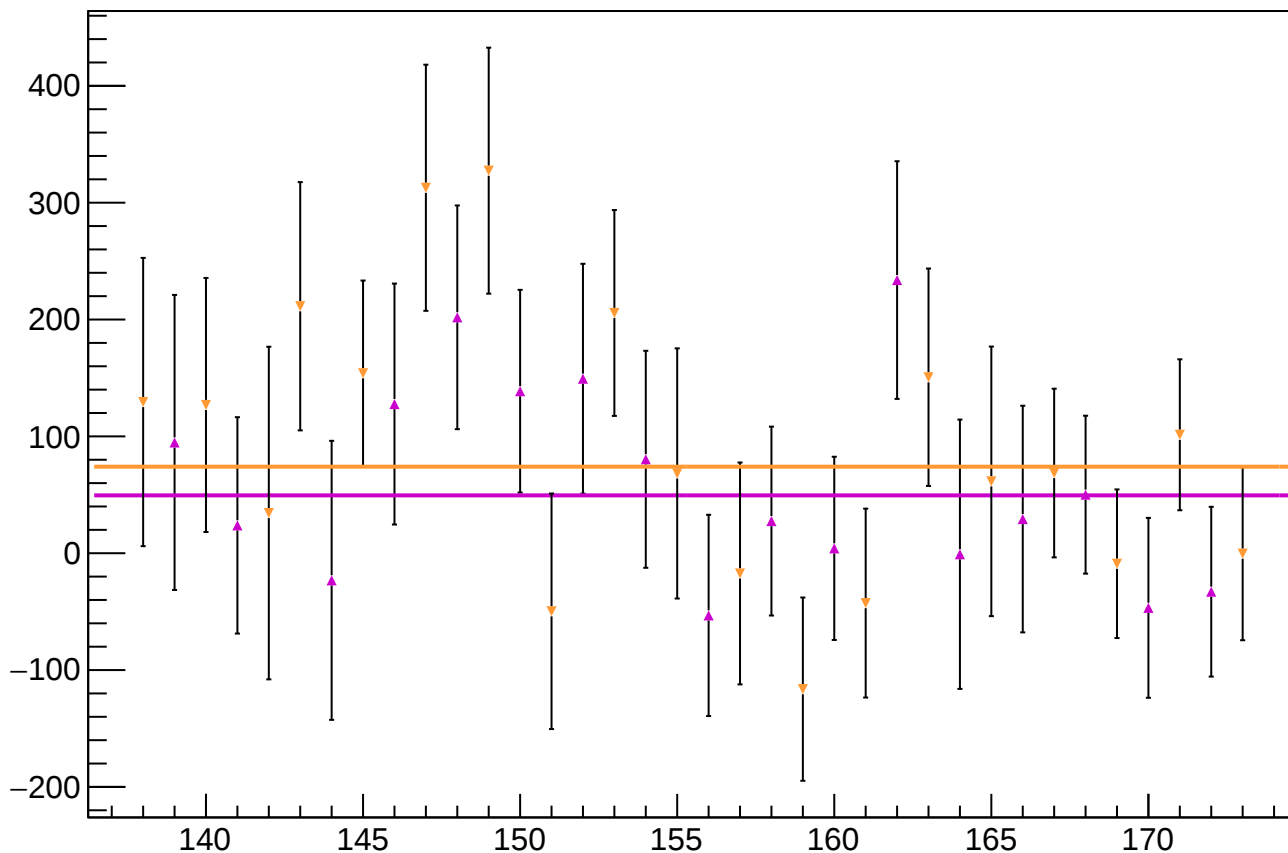
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 262.219+/-0.052 χ^2/NDF :1157219.7/16

Out: 262.153+/-0.051 χ^2/NDF :1401749.6/18

All: 262.185+/-0.036 χ^2/NDF : 2558970.1/35

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 74.066 $\pm$ 20.326 χ^2 /NDF:30.4/18

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

Left In: 49.522 $\pm$ 21.765 χ^2 /NDF:14.1/16

Left: 62.632 $\pm$ 14.856 χ^2 /NDF: 45.1/35

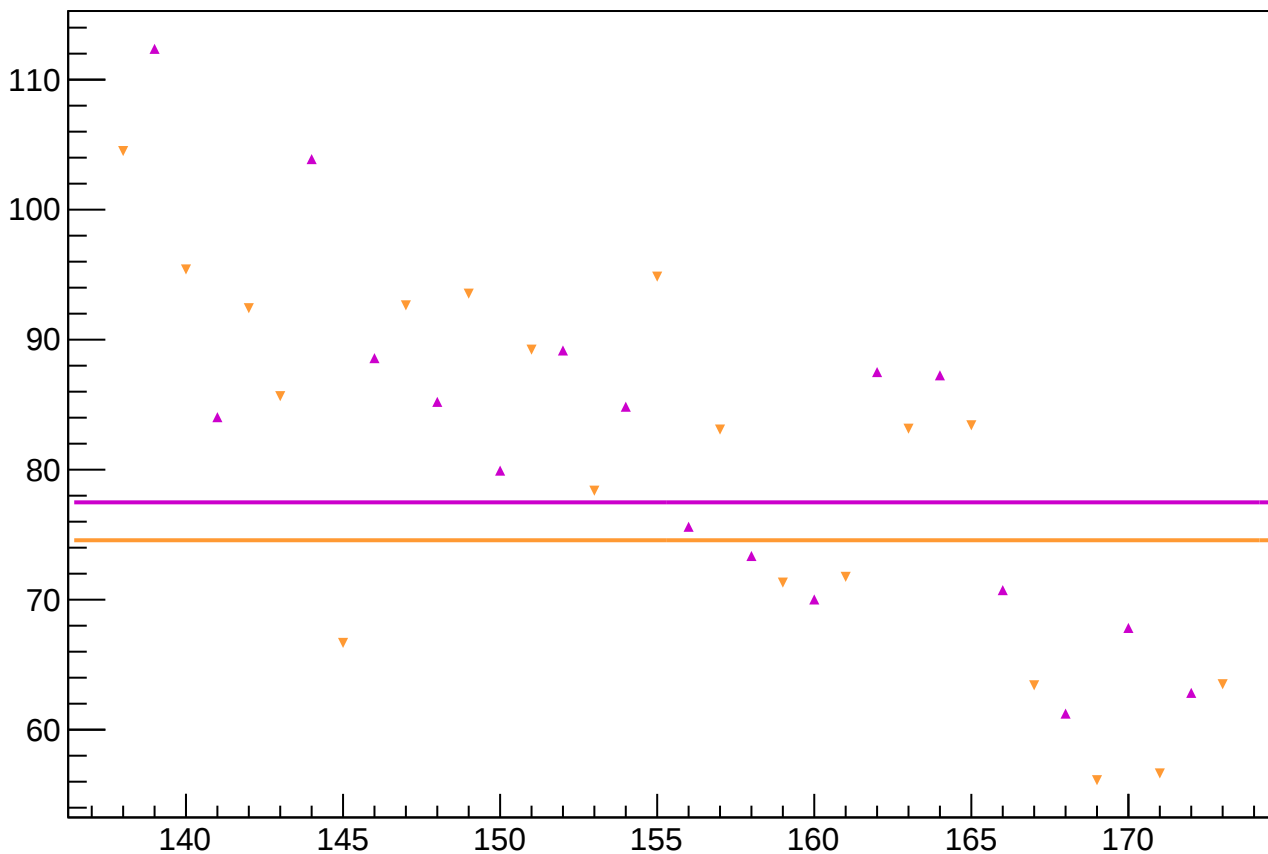
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 49.522 $\pm$ 21.765 χ^2 /NDF:14.1/16

Out: 74.066 $\pm$ 20.326 χ^2 /NDF:30.4/18

All: 62.632 $\pm$ 14.856 χ^2 /NDF: 45.1/35

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 74.571+/-0.014 χ^2/NDF :971677.4/18

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

Left In: 77.487+/-0.015 χ^2/NDF :635256.7/16

Left: 75.929+/-0.011 χ^2/NDF : 1626110.9/35

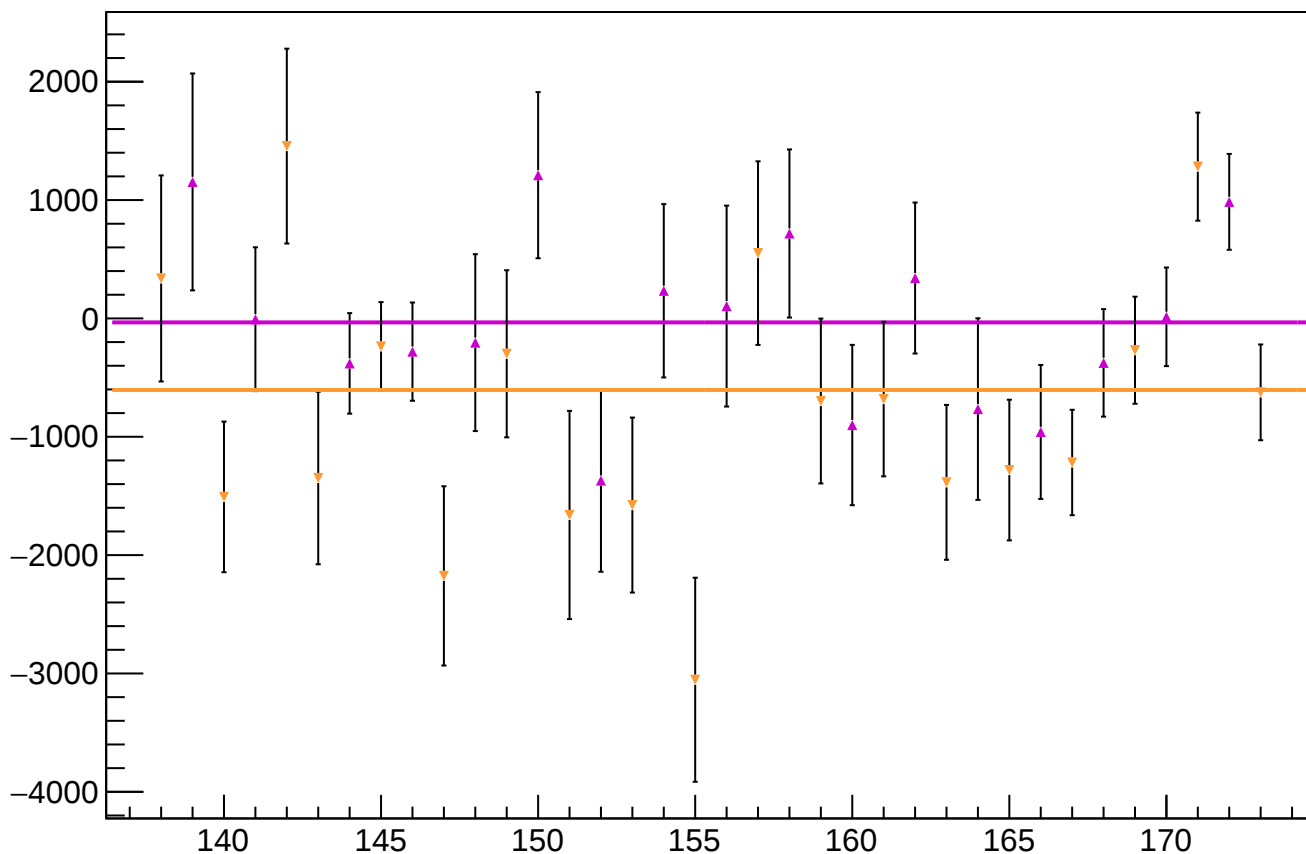
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 77.487+/-0.015 χ^2/NDF :635256.7/16

Out: 74.571+/-0.014 χ^2/NDF :971677.4/18

All: 75.929+/-0.011 χ^2/NDF : 1626110.9/35

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -604.498+/-135.367 χ^2/NDF :51.7/18

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

Left In: -33.666+/-138.472 χ^2/NDF :22.6/16

Left: -325.554+/-96.798 χ^2/NDF : 83.0/35

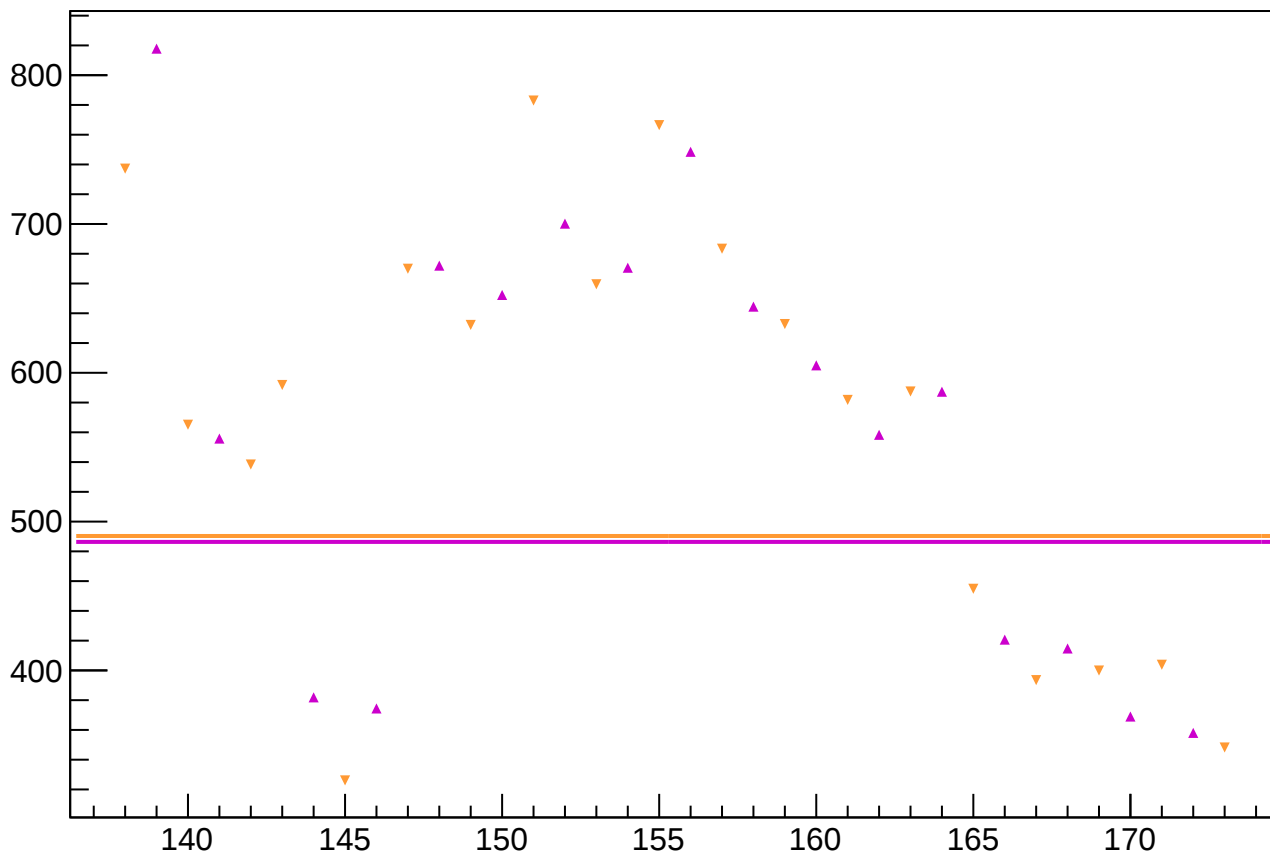
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -33.666+/-138.472 χ^2/NDF :22.6/16

Out: -604.498+/-135.367 χ^2/NDF :51.7/18

All: -325.554+/-96.798 χ^2/NDF : 83.0/35

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 490.331+/-0.096 χ^2/NDF :2134380.5/18

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

Left In: 486.354+/-0.098 χ^2/NDF :1917675.2/16

Left: 488.387+/-0.068 χ^2/NDF : 4052899.3/35

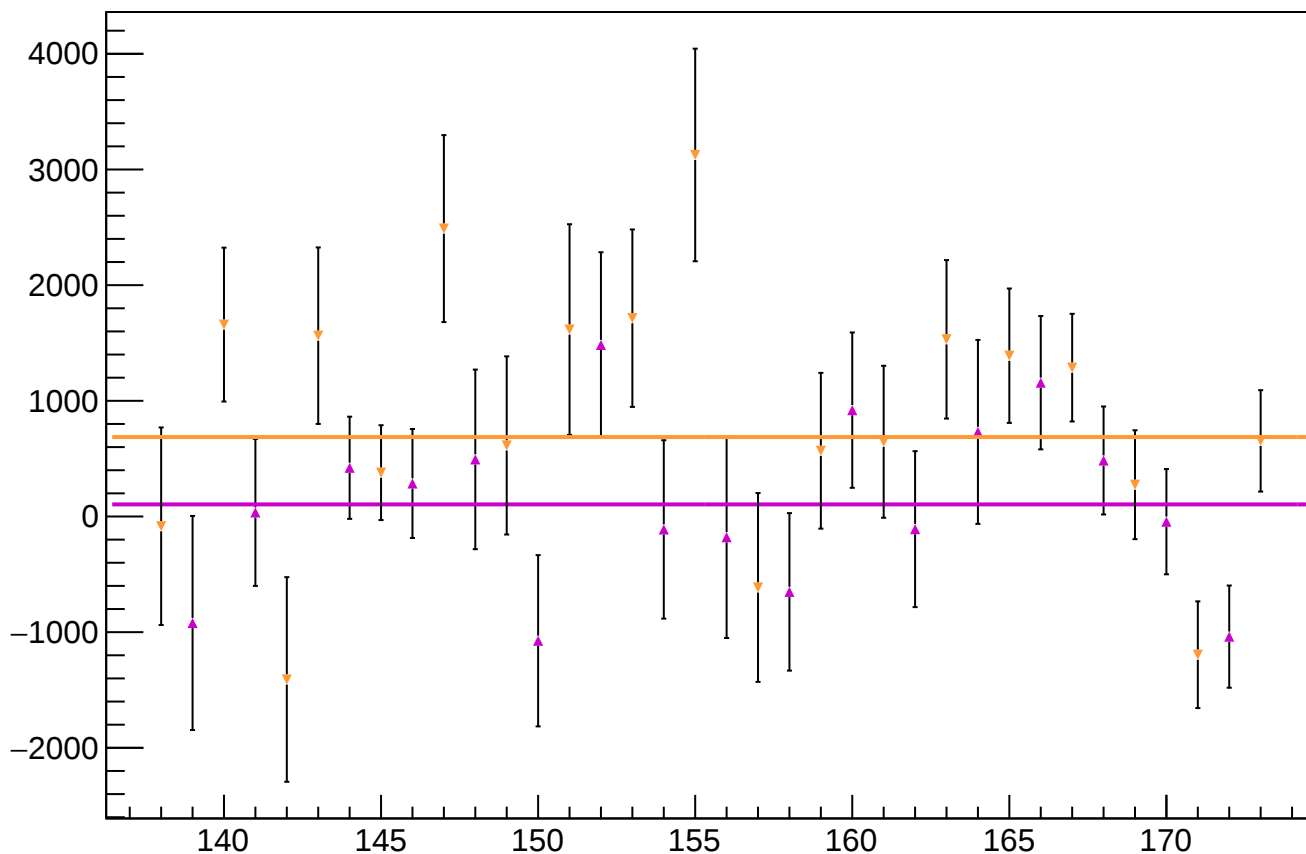
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 486.354+/-0.098 χ^2/NDF :1917675.2/16

Out: 490.331+/-0.096 χ^2/NDF :2134380.5/18

All: 488.387+/-0.068 χ^2/NDF : 4052899.3/35

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 686.860+/-141.381 χ^2/NDF :49.9/18

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

Left In: 104.547+/-145.820 χ^2/NDF :22.1/16

Left: 404.703+/-101.504 χ^2/NDF : 80.2/35

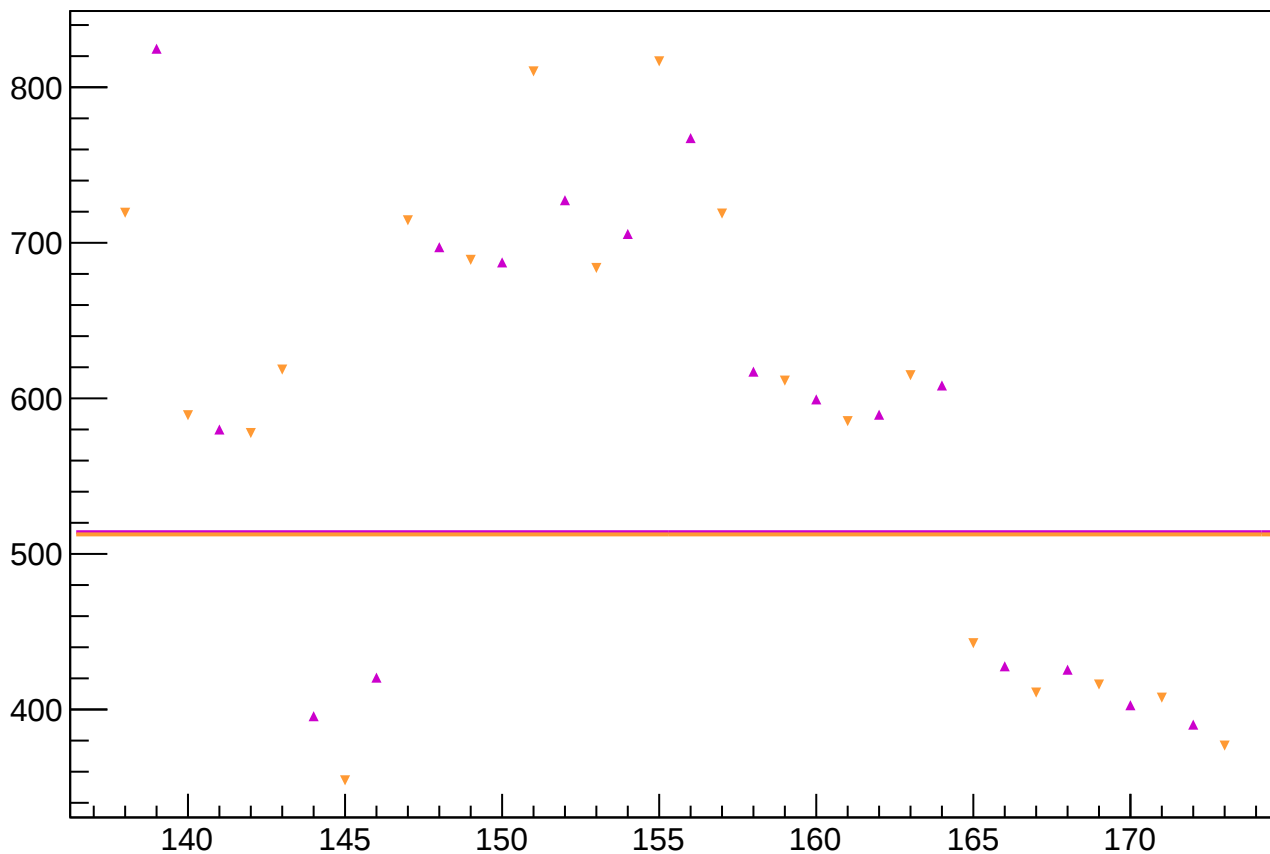
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 104.547+/-145.820 χ^2/NDF :22.1/16

Out: 686.860+/-141.381 χ^2/NDF :49.9/18

All: 404.703+/-101.504 χ^2/NDF : 80.2/35

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 512.562+/-0.100 χ^2/NDF :1996534.9/18

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

Left In: 513.952+/-0.103 χ^2/NDF :1649561.1/16

Left: 513.235+/-0.072 χ^2/NDF : 3646189.7/35

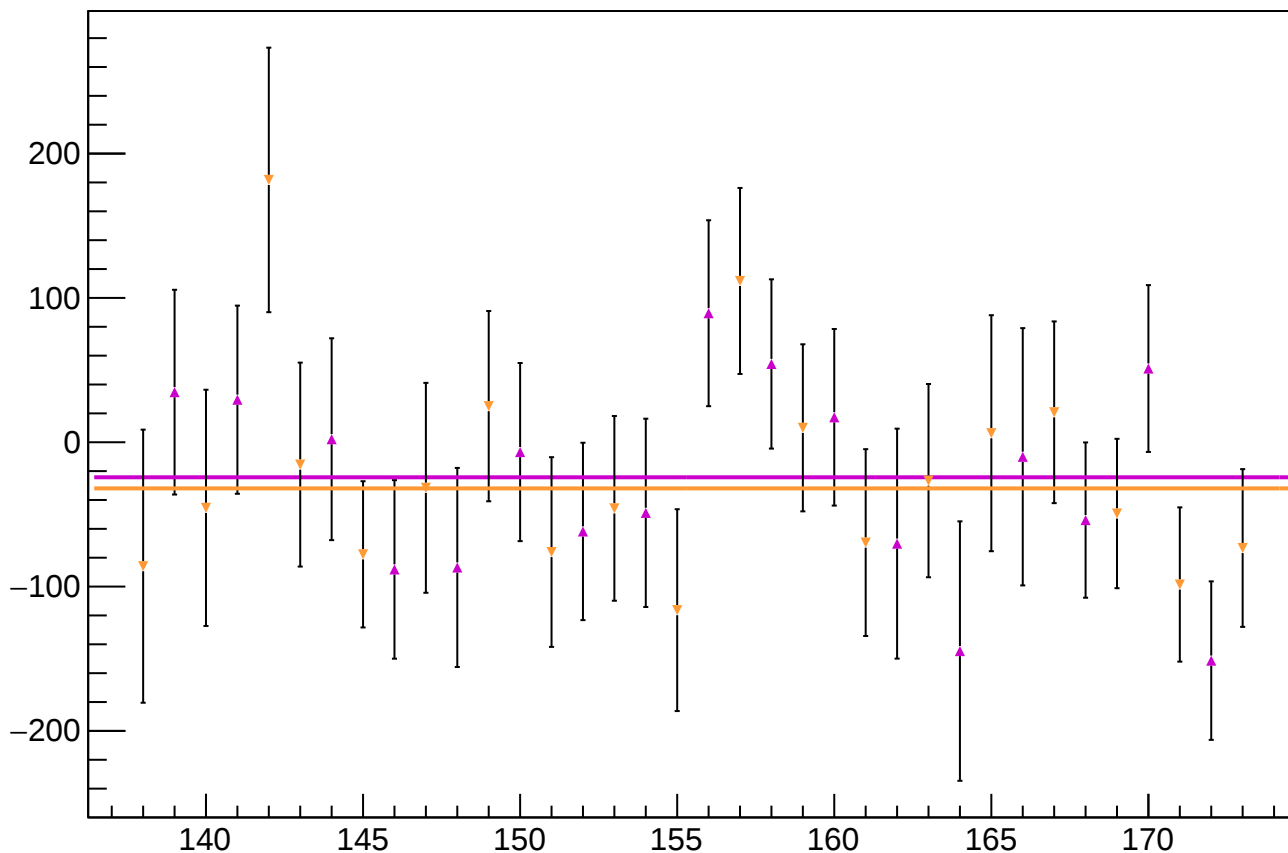
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 513.952+/-0.103 χ^2/NDF :1649561.1/16

Out: 512.562+/-0.100 χ^2/NDF :1996534.9/18

All: 513.235+/-0.072 χ^2/NDF : 3646189.7/35

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -31.971+/-14.856 χ^2/NDF :18.4/18

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

Left In: -24.275+/-15.703 χ^2/NDF :18.9/16

Left: -28.336+/-10.792 χ^2/NDF : 37.4/35

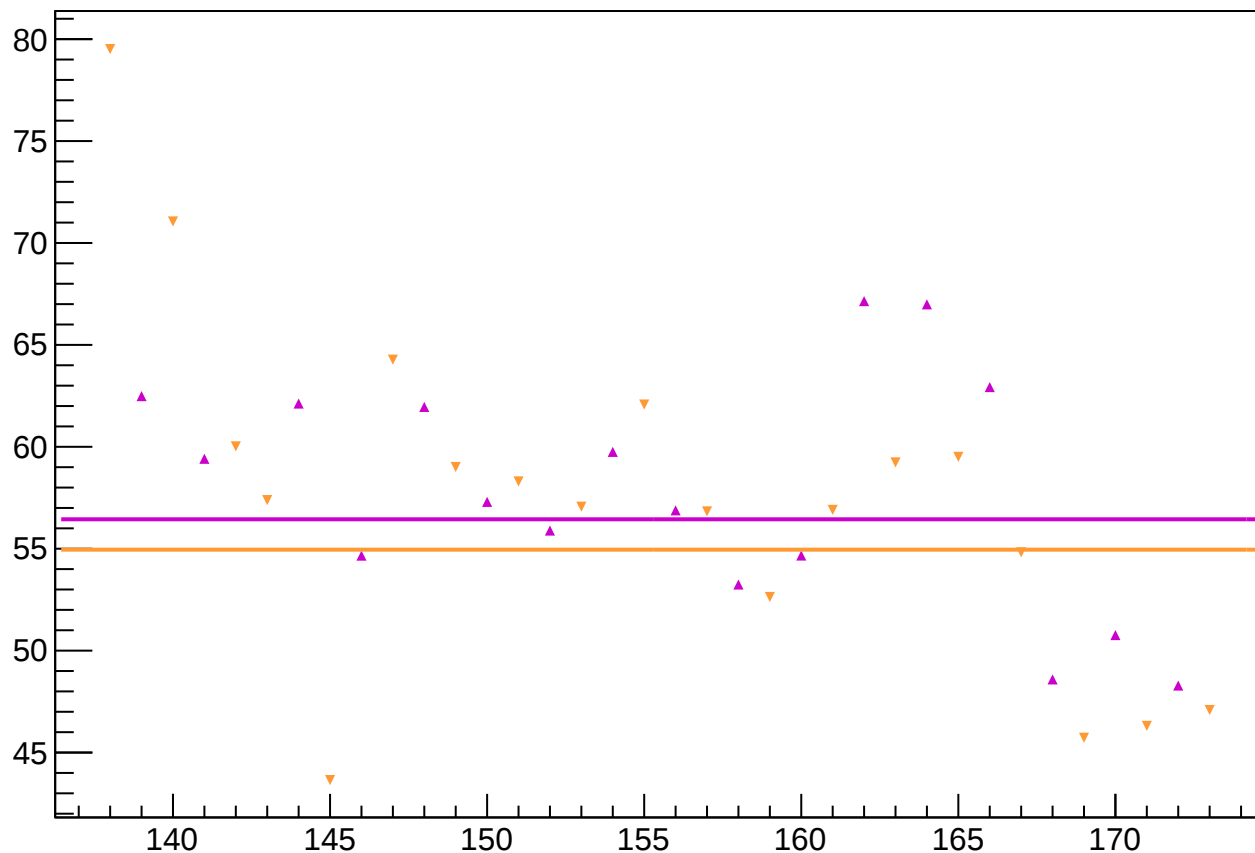
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.275+/-15.703 χ^2/NDF :18.9/16

Out: -31.971+/-14.856 χ^2/NDF :18.4/18

All: -28.336+/-10.792 χ^2/NDF : 37.4/35

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 54.954 $\pm$ 0.011 χ^2 /NDF:567313.6/18

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

Left In: 56.444 $\pm$ 0.011 χ^2 /NDF:240023.8/16

Left: 55.658 $\pm$ 0.008 χ^2 /NDF: 816840.6/35

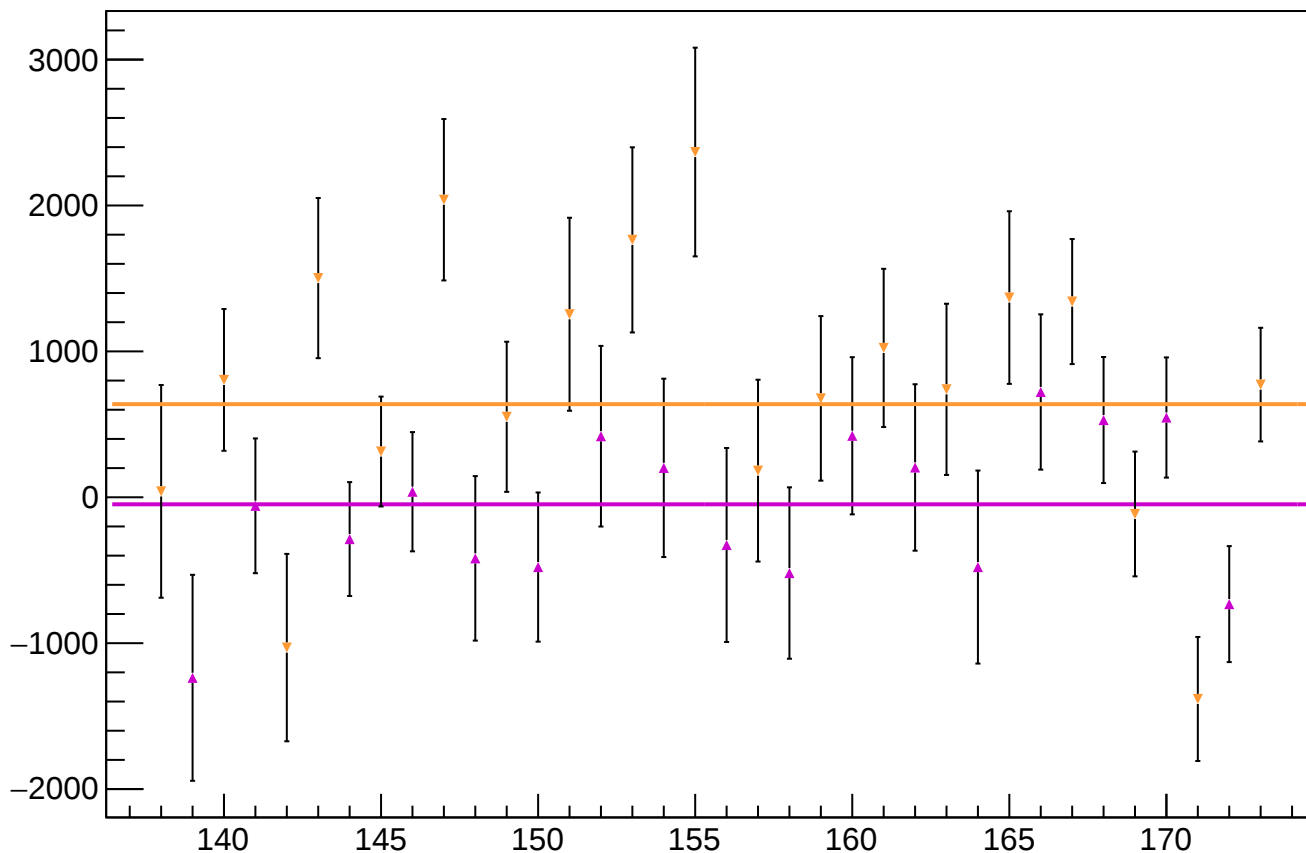
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 56.444 $\pm$ 0.011 χ^2 /NDF:240023.8/16

Out: 54.954 $\pm$ 0.011 χ^2 /NDF:567313.6/18

All: 55.658 $\pm$ 0.008 χ^2 /NDF: 816840.6/35

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 638.346 $\pm$ 119.003 χ^2 /NDF:58.2/18

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

Left In: -48.164 $\pm$ 122.555 χ^2 /NDF:16.3/16

Left: 305.184 $\pm$ 85.376 χ^2 /NDF: 90.6/35

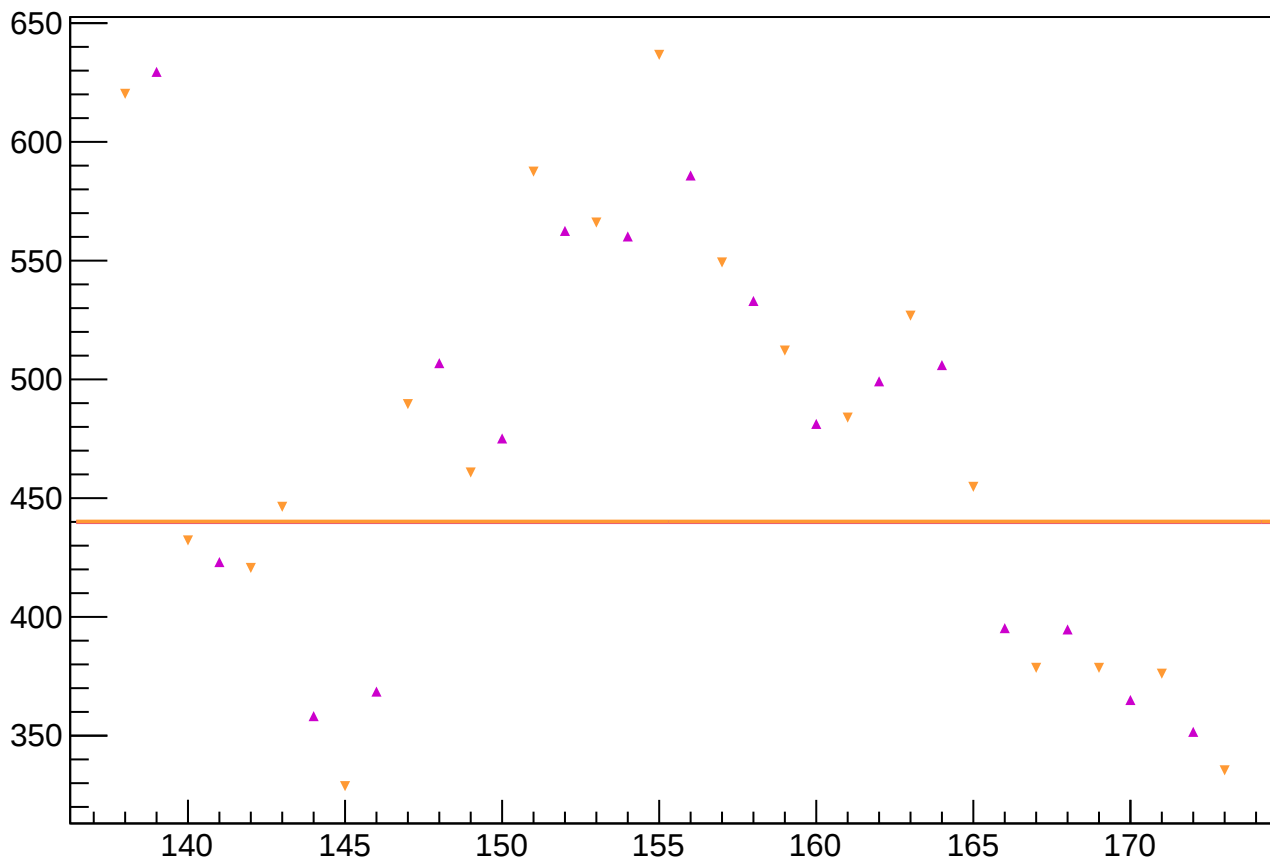
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -48.164 $\pm$ 122.555 χ^2 /NDF:16.3/16

Out: 638.346 $\pm$ 119.003 χ^2 /NDF:58.2/18

All: 305.184 $\pm$ 85.376 χ^2 /NDF: 90.6/35

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: 440.117+/-0.084 χ^2/NDF :1072662.5/18

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

Left In: 439.939+/-0.087 χ^2/NDF :889785.8/16

Left: 440.030+/-0.060 χ^2/NDF : 1962450.5/35

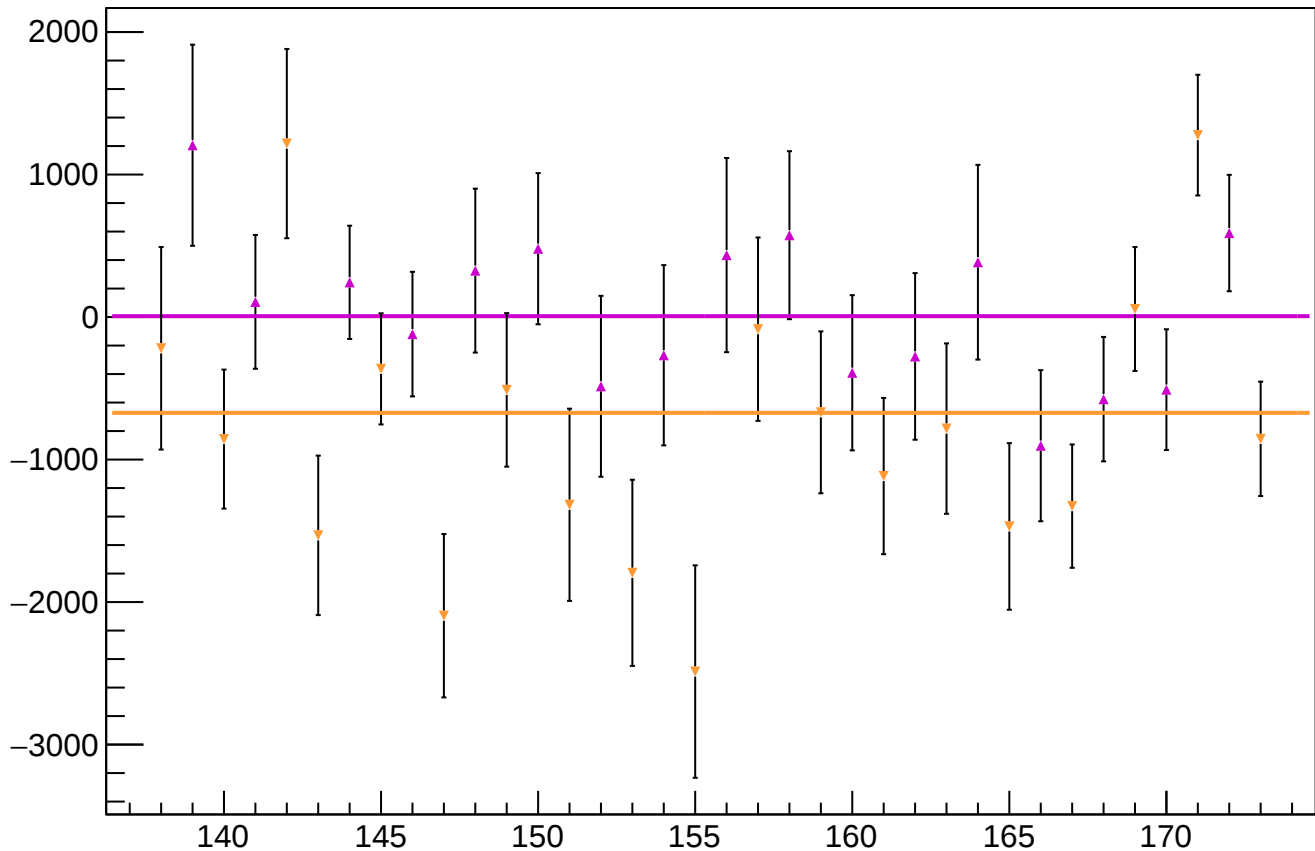
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 439.939+/-0.087 χ^2/NDF :889785.8/16

Out: 440.117+/-0.084 χ^2/NDF :1072662.5/18

All: 440.030+/-0.060 χ^2/NDF : 1962450.5/35

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -672.139+/-121.241 χ^2/NDF :57.5/18

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

Left In: 6.146+/-125.478 χ^2/NDF :15.9/16

Left: -344.641+/-87.190 χ^2/NDF : 88.6/35

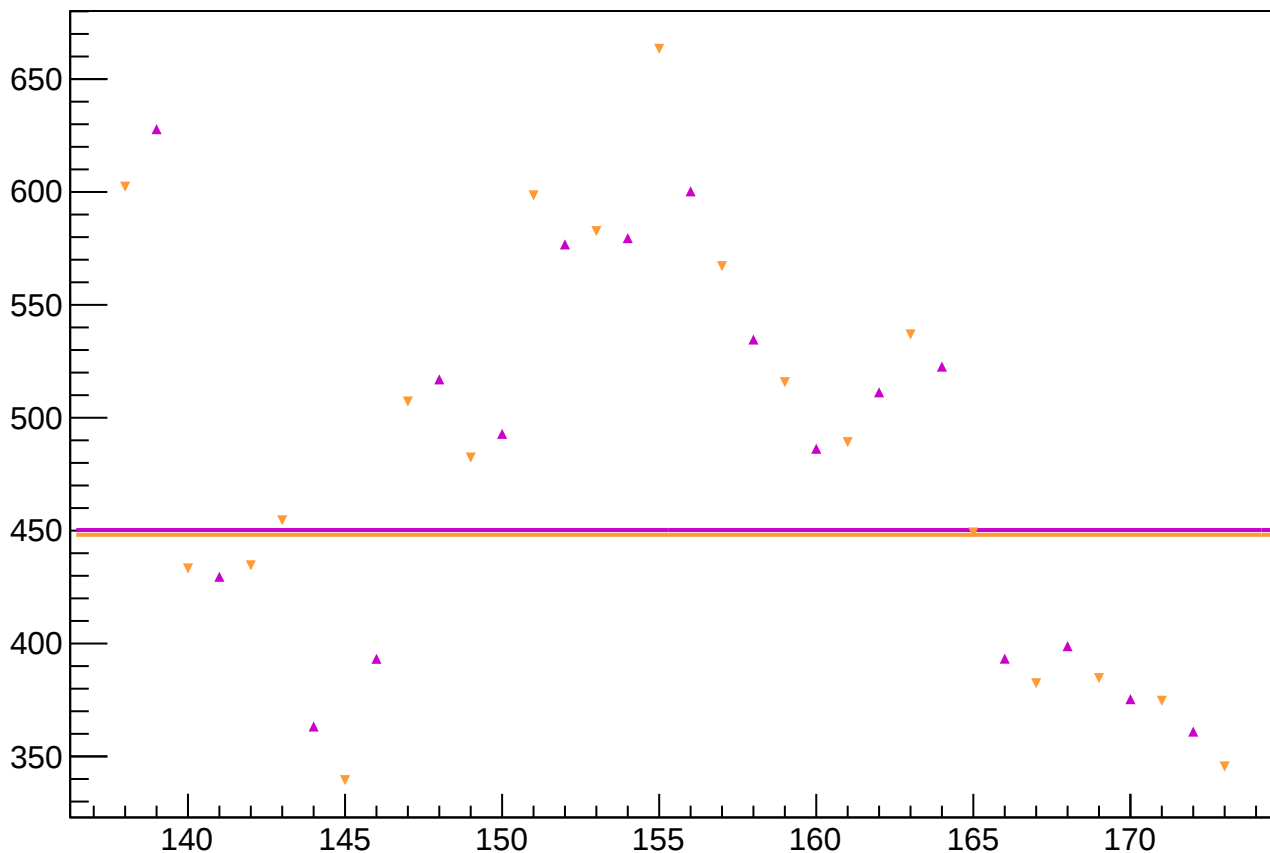
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 6.146+/-125.478 χ^2/NDF :15.9/16

Out: -672.139+/-121.241 χ^2/NDF :57.5/18

All: -344.641+/-87.190 χ^2/NDF : 88.6/35

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 448.139+/-0.086 χ^2/NDF :1064459.8/18

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

Left In: 450.267+/-0.089 χ^2/NDF :863183.6/16

Left: 449.166+/-0.062 χ^2/NDF : 1927940.9/35

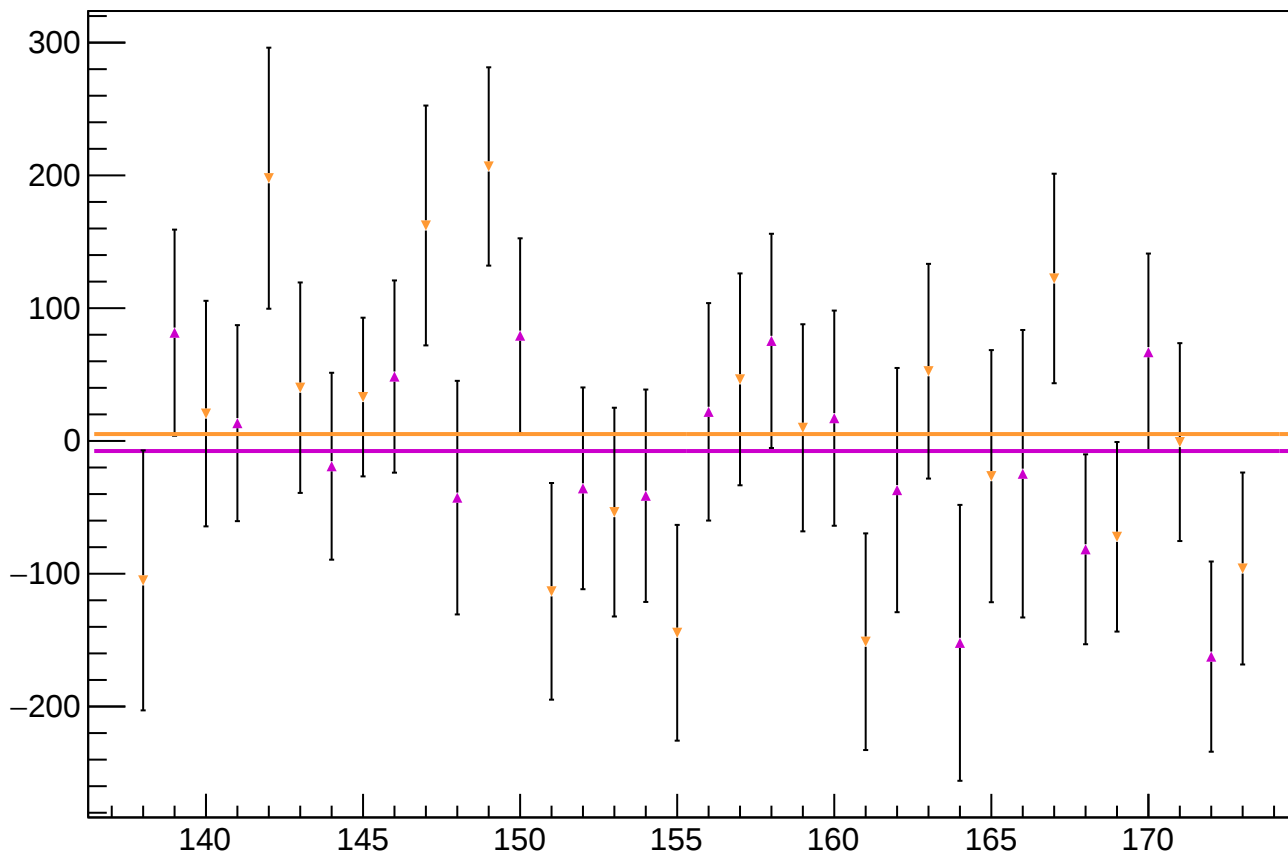
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 450.267+/-0.089 χ^2/NDF :863183.6/16

Out: 448.139+/-0.086 χ^2/NDF :1064459.8/18

All: 449.166+/-0.062 χ^2/NDF : 1927940.9/35

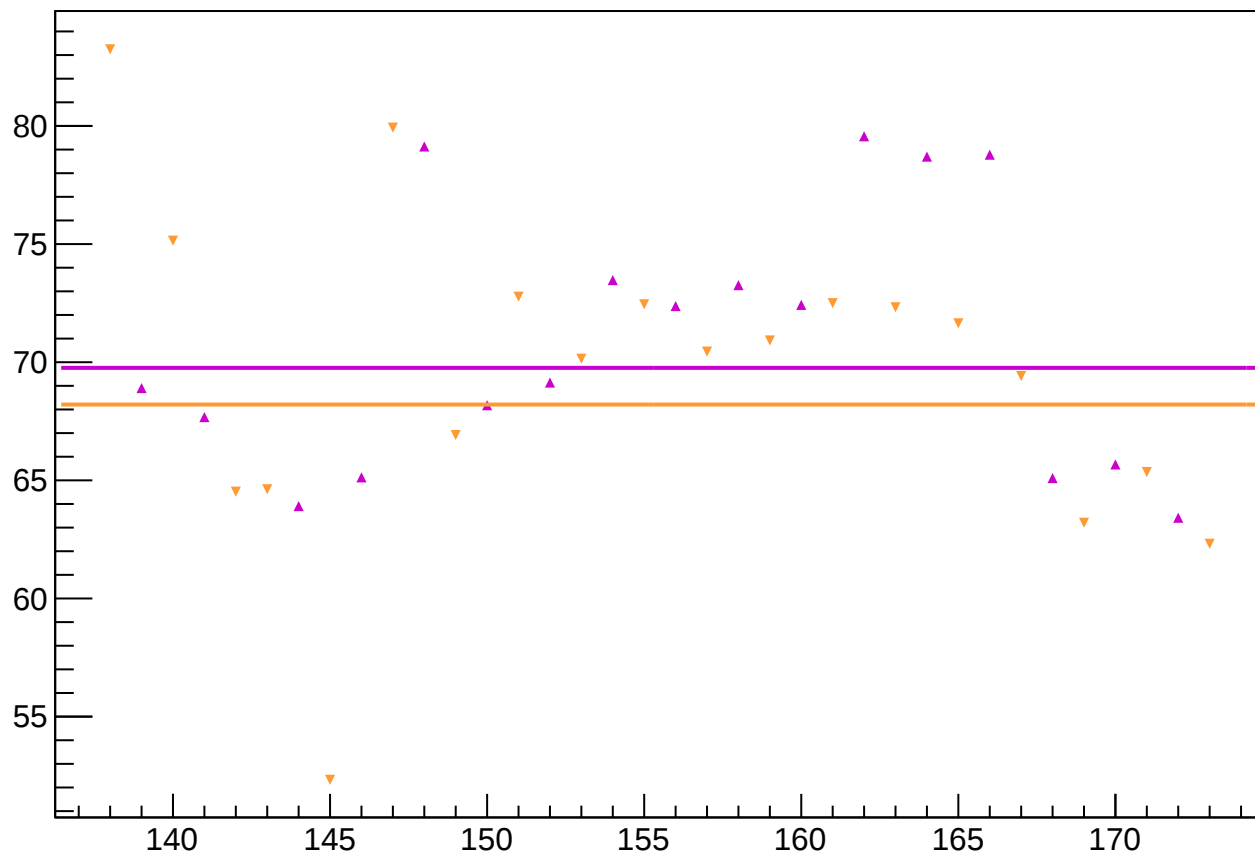
dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.193 $\pm$ 18.211 χ^2 /NDF:31.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.592 $\pm$ 19.209 χ^2 /NDF:14.0/16

Left: -0.859 $\pm$ 13.216 χ^2 /NDF: 45.9/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -7.592 $\pm$ 19.209 χ^2 /NDF:14.0/16
 Out: 5.193 $\pm$ 18.211 χ^2 /NDF:31.7/18
 All: -0.859 $\pm$ 13.216 χ^2 /NDF: 45.9/35

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 68.209+/-0.013 χ^2/NDF :299766.4/18

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

Left In: 69.762+/-0.014 χ^2/NDF :141577.9/16

Left: 68.944+/-0.009 χ^2/NDF : 448226.9/35

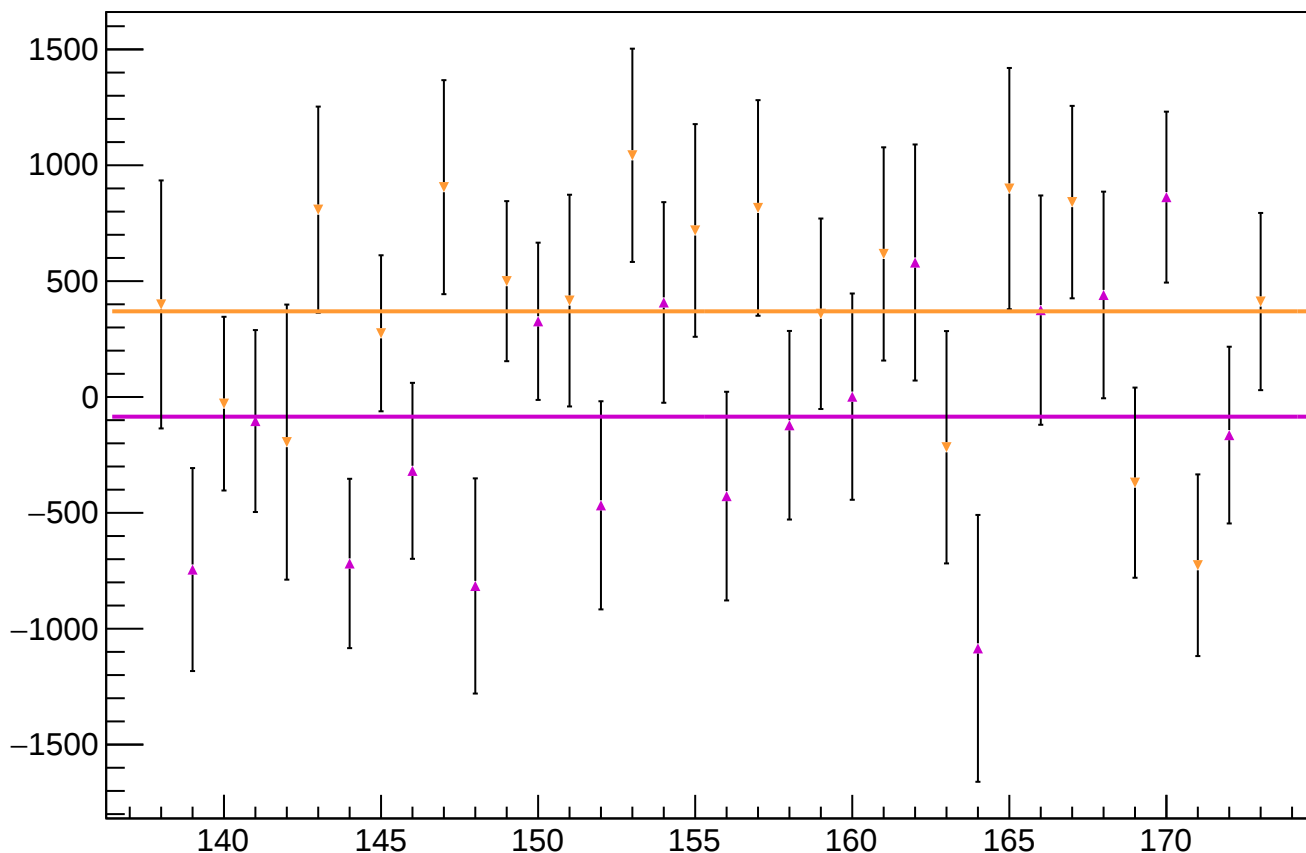
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 69.762+/-0.014 χ^2/NDF :141577.9/16

Out: 68.209+/-0.013 χ^2/NDF :299766.4/18

All: 68.944+/-0.009 χ^2/NDF : 448226.9/35

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: 369.688+/-98.686 χ^2/NDF :23.3/18

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

Left In: -84.902+/-102.074 χ^2/NDF :25.9/16

Left: 150.063+/-70.949 χ^2/NDF : 59.4/35

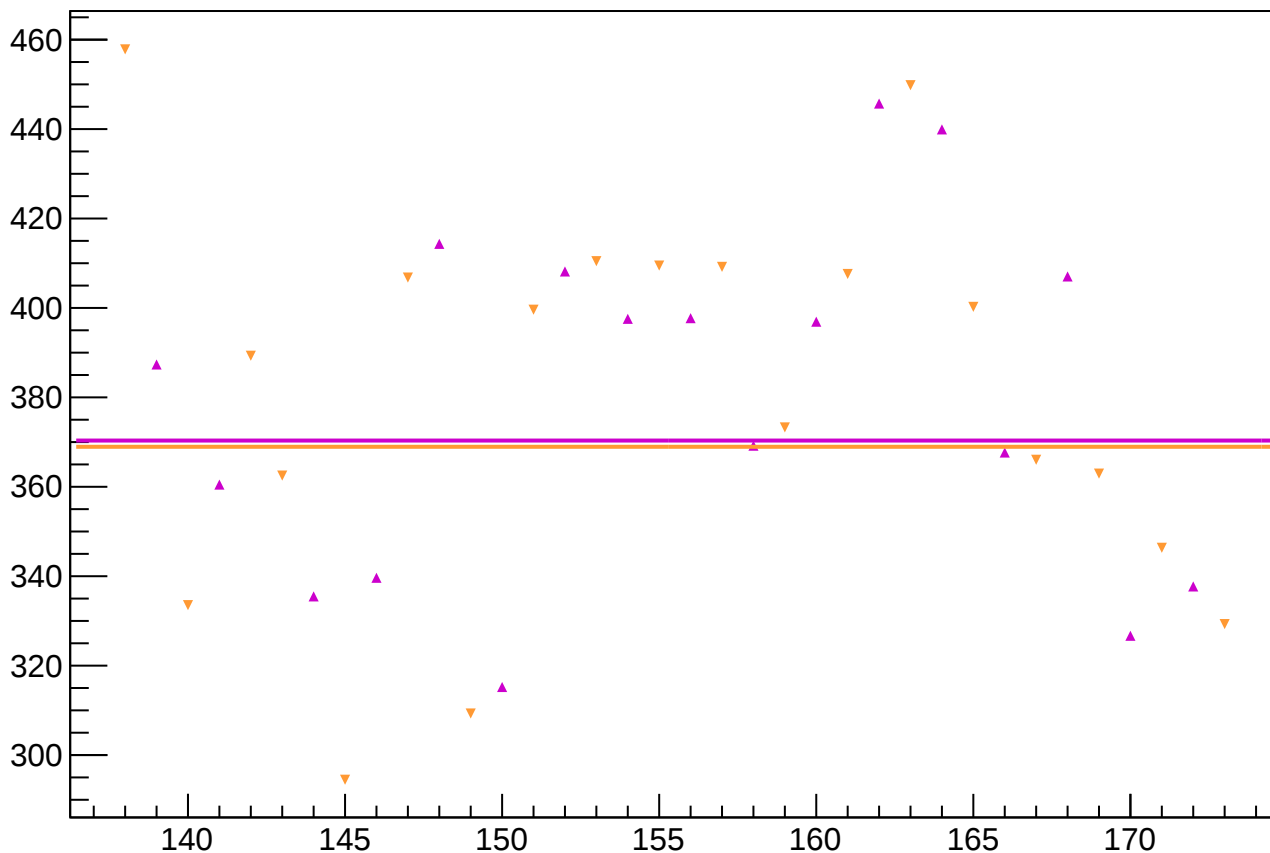
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -84.902+/-102.074 χ^2/NDF :25.9/16

Out: 369.688+/-98.686 χ^2/NDF :23.3/18

All: 150.063+/-70.949 χ^2/NDF : 59.4/35

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 368.947 $\pm$ 0.070 χ^2/NDF :404878.6/18

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

Left In: 370.343 $\pm$ 0.072 χ^2/NDF :272172.1/16

Left: 369.621 $\pm$ 0.050 χ^2/NDF : 677243.9/35

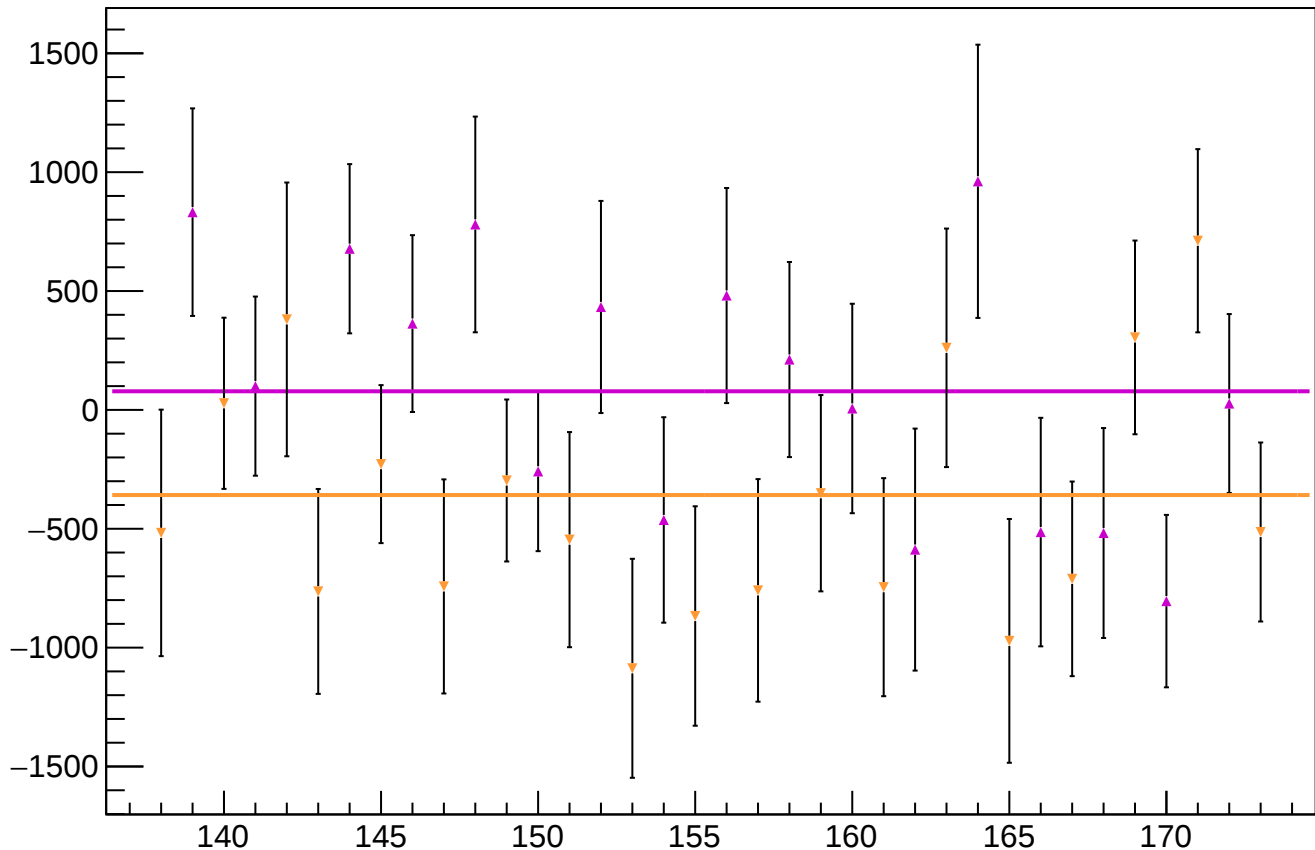
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 370.343 $\pm$ 0.072 χ^2/NDF :272172.1/16

Out: 368.947 $\pm$ 0.070 χ^2/NDF :404878.6/18

All: 369.621 $\pm$ 0.050 χ^2/NDF : 677243.9/35

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -358.176+/-97.371 χ^2/NDF :24.3/18

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

Left In: 78.279+/-100.751 χ^2/NDF :26.3/16

Left: -147.394+/-70.016 χ^2/NDF : 60.2/35

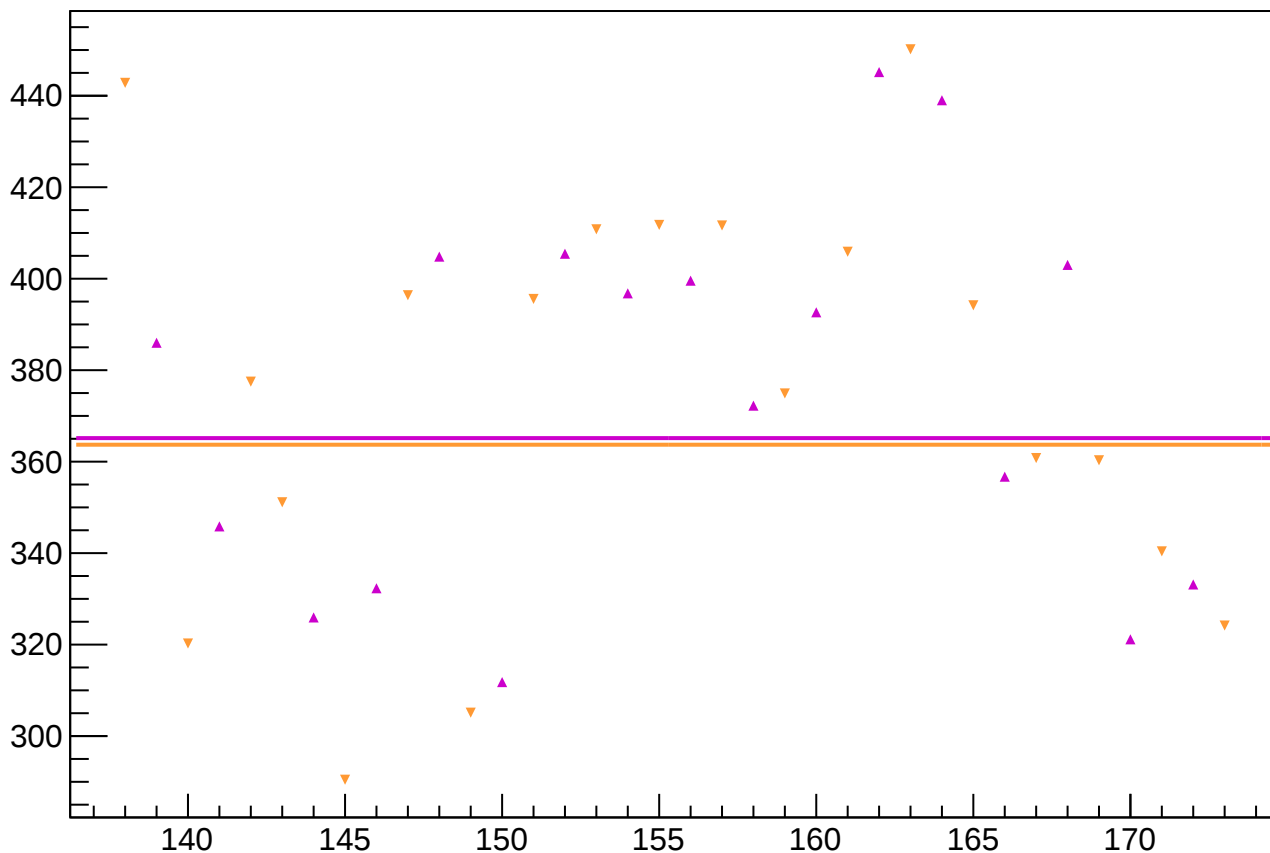
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 78.279+/-100.751 χ^2/NDF :26.3/16

Out: -358.176+/-97.371 χ^2/NDF :24.3/18

All: -147.394+/-70.016 χ^2/NDF : 60.2/35

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 363.705+/-0.069 χ^2/NDF :433379.6/18

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

Left In: 365.147+/-0.071 χ^2/NDF :304200.9/16

Left: 364.402+/-0.050 χ^2/NDF : 737792.3/35

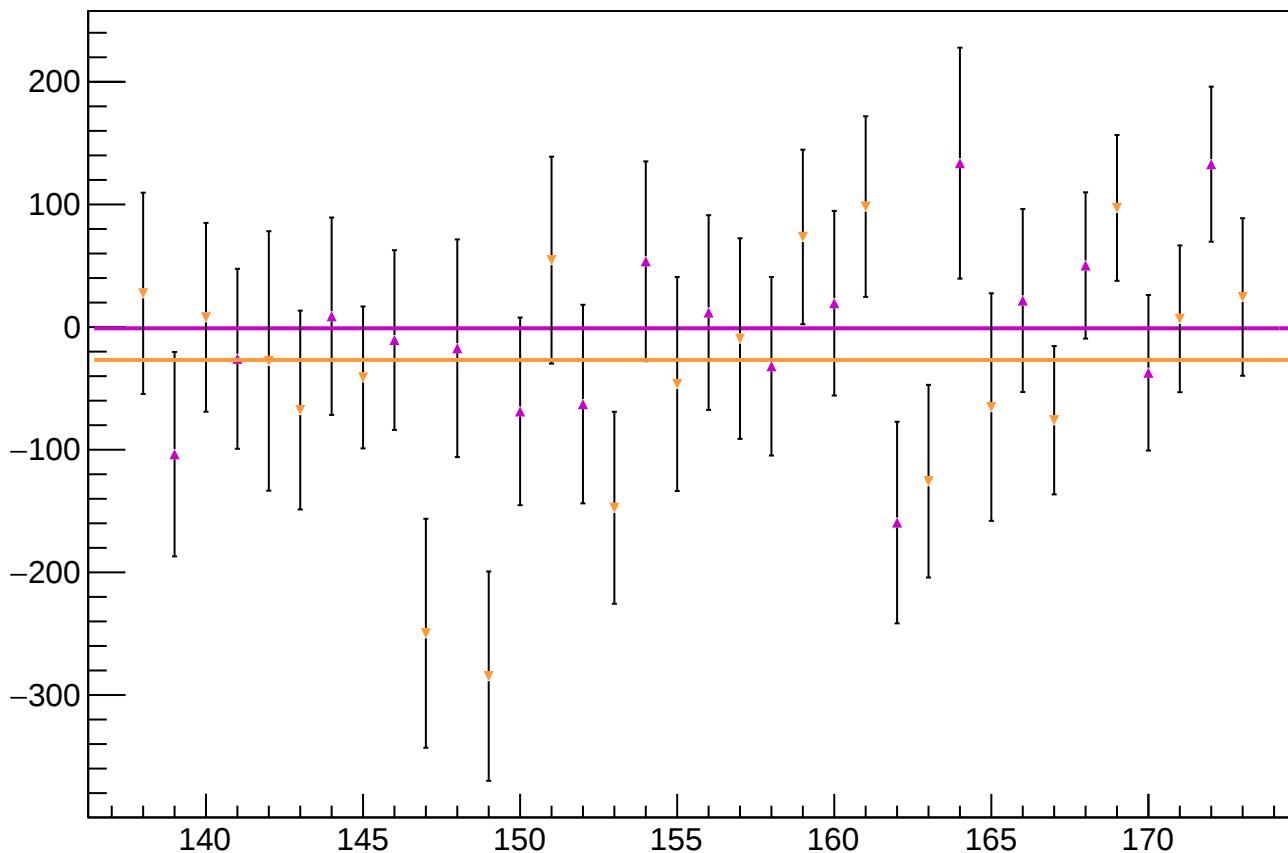
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 365.147+/-0.071 χ^2/NDF :304200.9/16

Out: 363.705+/-0.069 χ^2/NDF :433379.6/18

All: 364.402+/-0.050 χ^2/NDF : 737792.3/35

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -26.781 $\pm$ 17.070 χ^2 /NDF:31.8/18

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

Left In: -0.979 $\pm$ 18.210 χ^2 /NDF:15.2/16

Left: -14.713 $\pm$ 12.454 χ^2 /NDF: 48.0/35

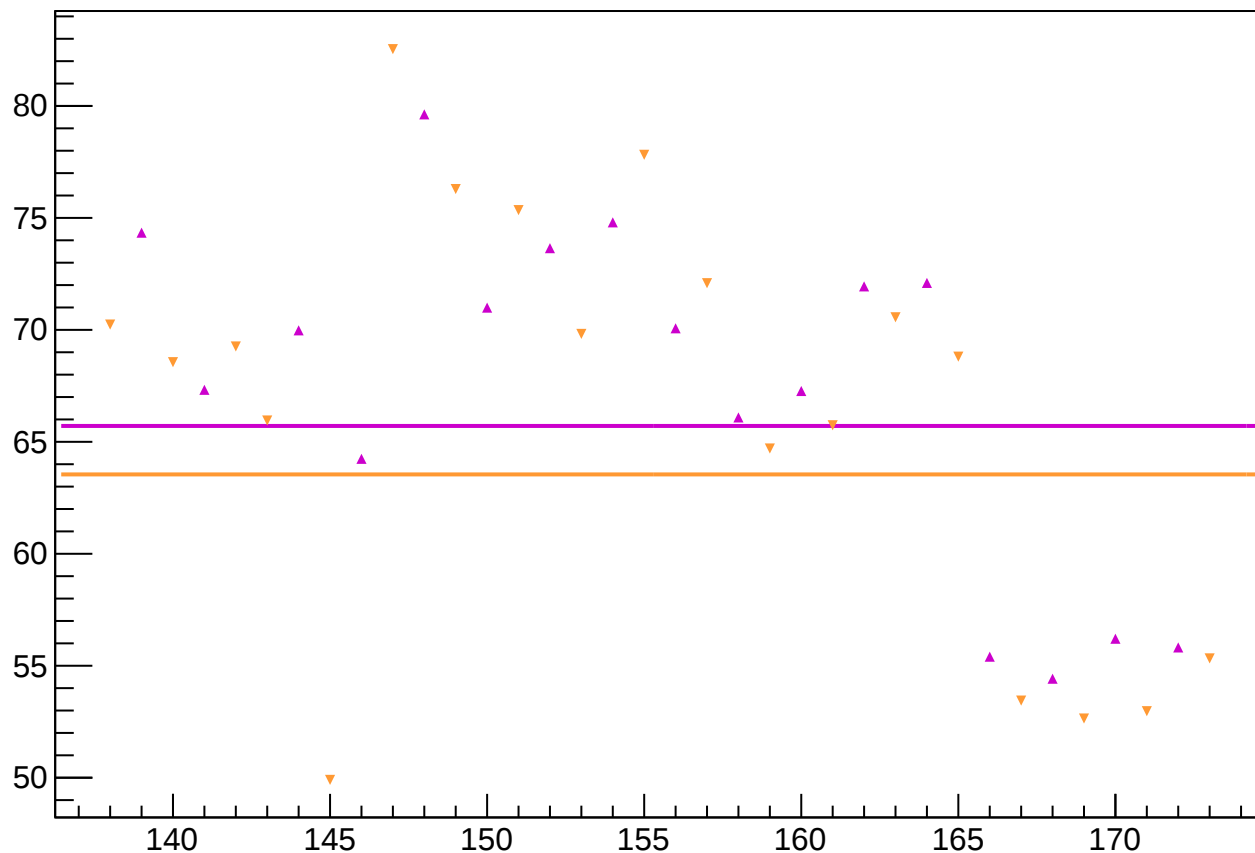
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.979 $\pm$ 18.210 χ^2 /NDF:15.2/16

Out: -26.781 $\pm$ 17.070 χ^2 /NDF:31.8/18

All: -14.713 $\pm$ 12.454 χ^2 /NDF: 48.0/35

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 63.545+/-0.012 χ^2/NDF :638037.0/18

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

Left In: 65.709+/-0.013 χ^2/NDF :362972.1/16

Left: 64.557+/-0.009 χ^2/NDF : 1016051.5/35

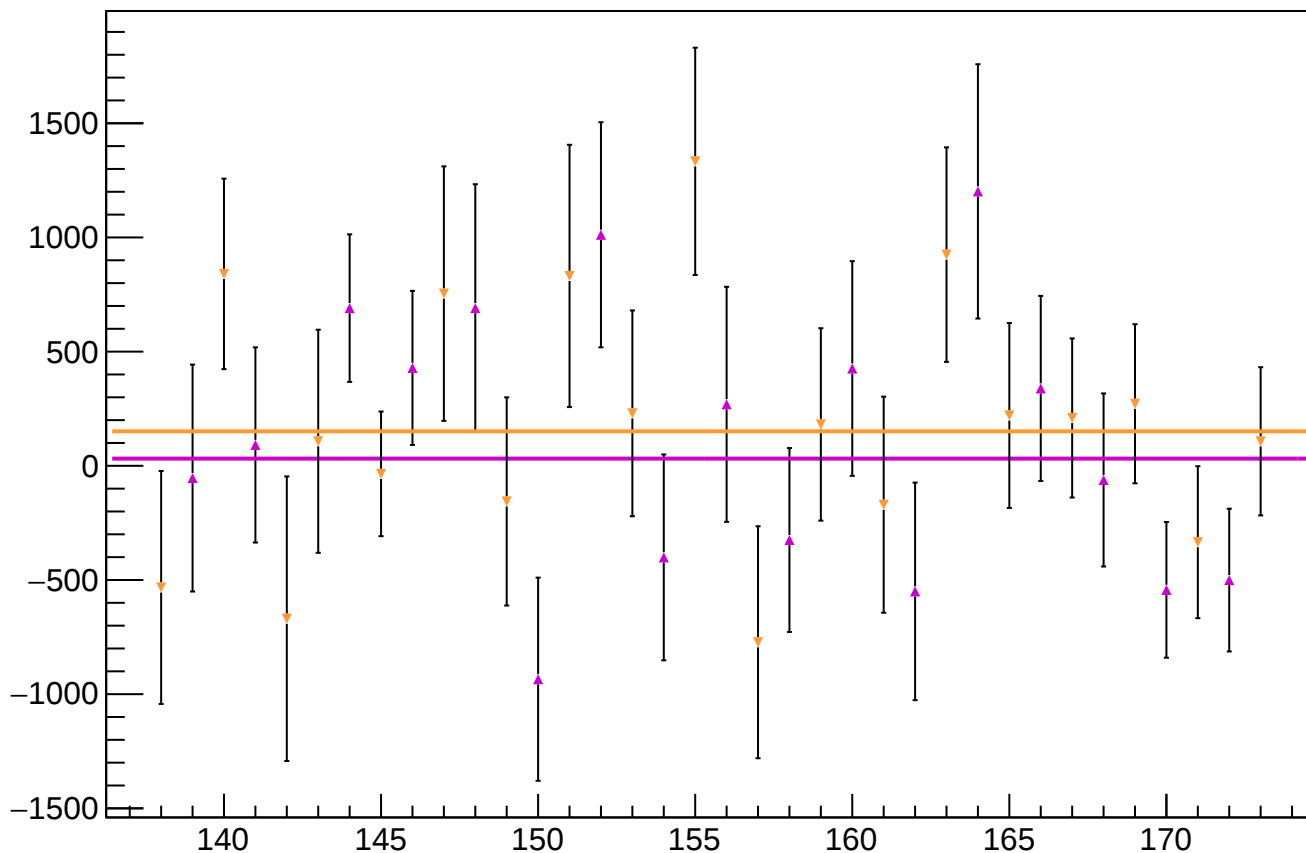
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 65.709+/-0.013 χ^2/NDF :362972.1/16

Out: 63.545+/-0.012 χ^2/NDF :638037.0/18

All: 64.557+/-0.009 χ^2/NDF : 1016051.5/35

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 150.919 $\pm$ 95.596 χ^2 /NDF:24.3/18

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

Left In: 31.557 $\pm$ 98.963 χ^2 /NDF:31.6/16

Left: 93.303 $\pm$ 68.756 χ^2 /NDF: 56.6/35

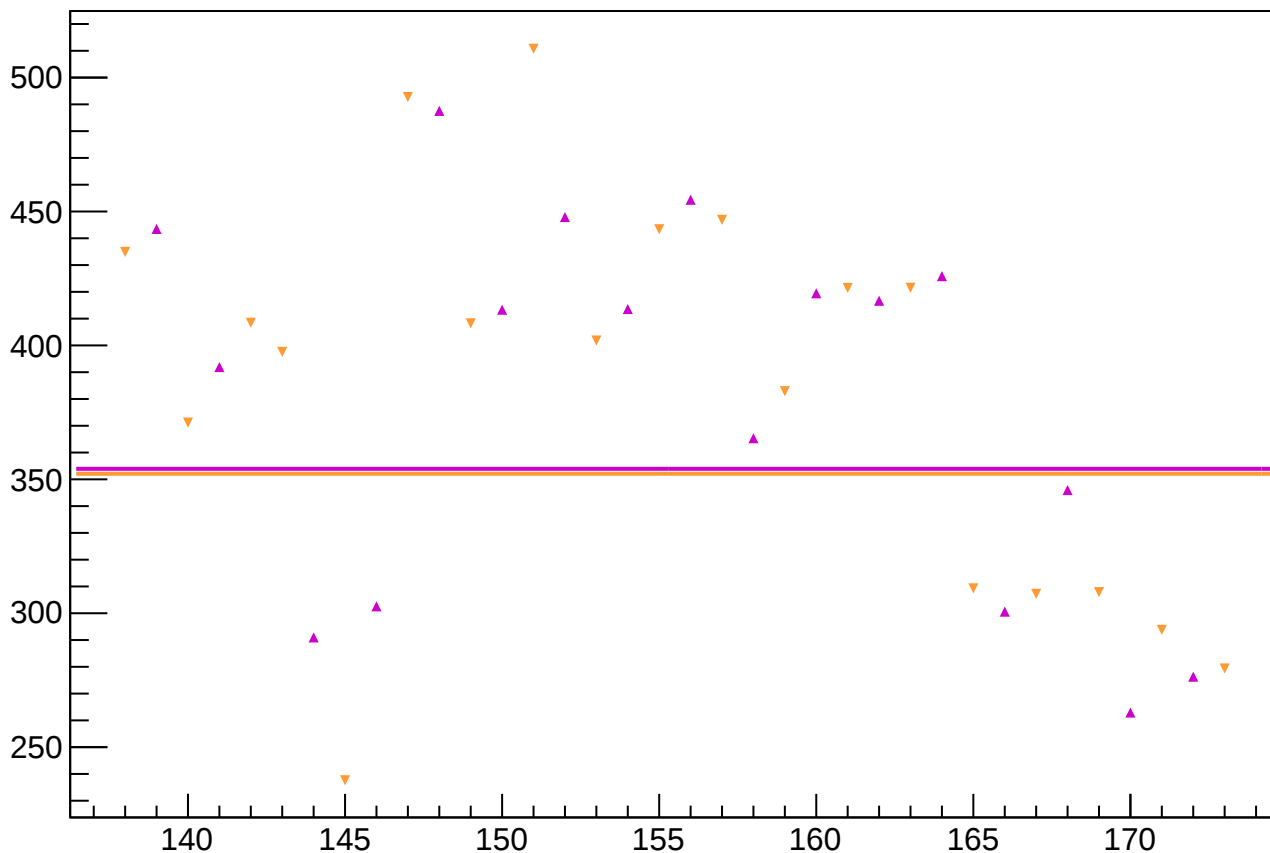
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 31.557 $\pm$ 98.963 χ^2 /NDF:31.6/16

Out: 150.919 $\pm$ 95.596 χ^2 /NDF:24.3/18

All: 93.303 $\pm$ 68.756 χ^2 /NDF: 56.6/35

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: 352.086+/-0.068 χ^2/NDF :1260996.9/18

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

Left In: 353.928+/-0.070 χ^2/NDF :999152.3/16

Left: 352.975+/-0.049 χ^2/NDF : 2260507.6/35

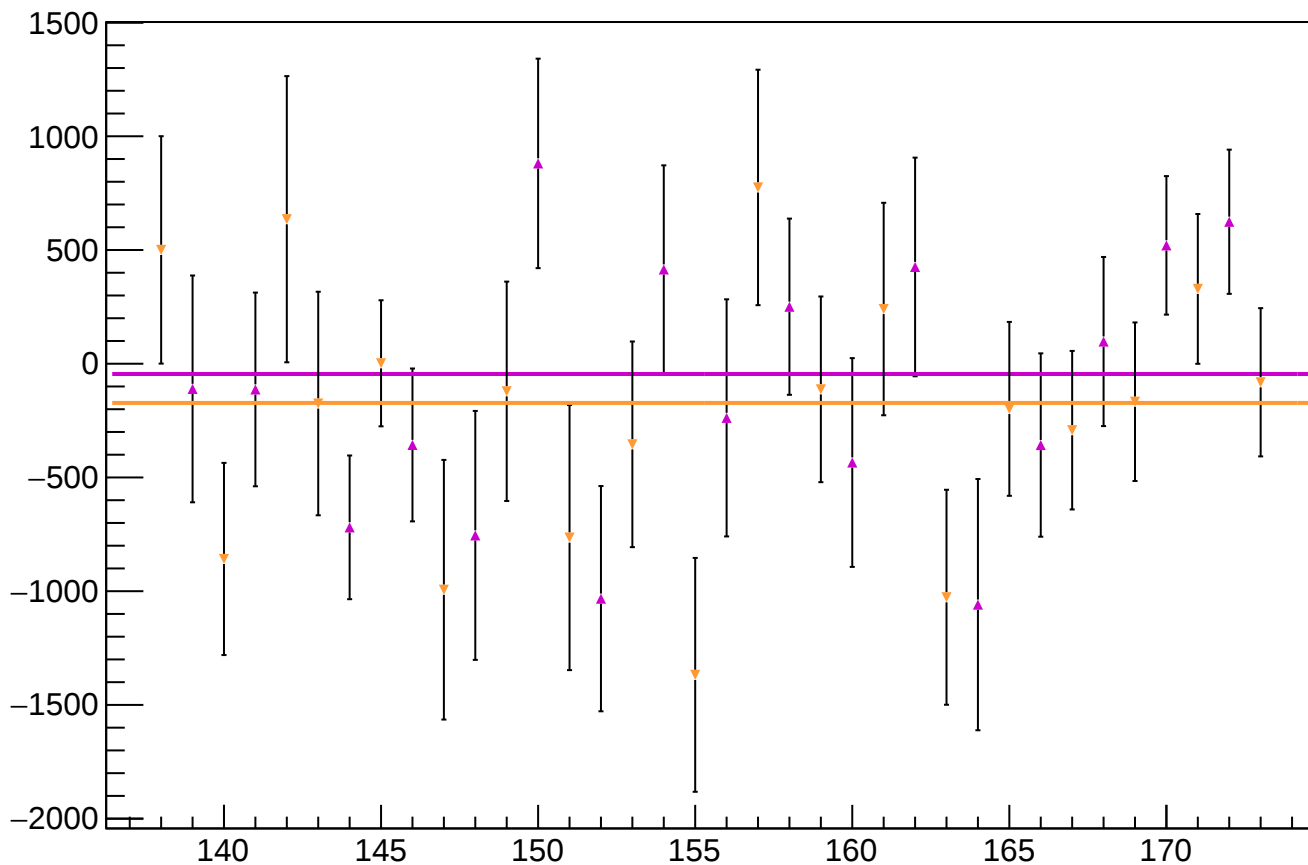
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 353.928+/-0.070 χ^2/NDF :999152.3/16

Out: 352.086+/-0.068 χ^2/NDF :1260996.9/18

All: 352.975+/-0.049 χ^2/NDF : 2260507.6/35

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -172.255+/-95.768 χ^2/NDF :25.1/18

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

Left In: -45.127+/-98.939 χ^2/NDF :30.6/16

Left: -110.760+/-68.812 χ^2/NDF : 56.6/35

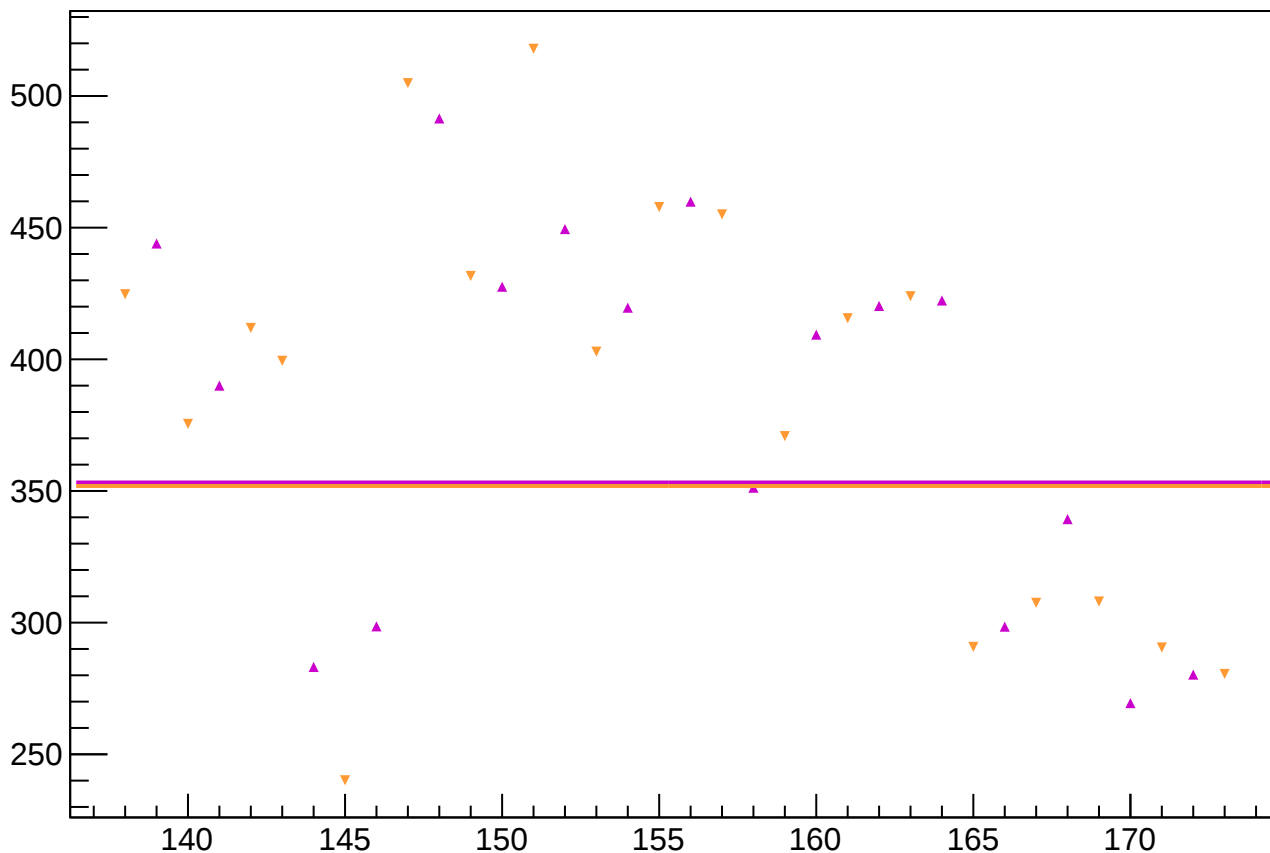
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -45.127+/-98.939 χ^2/NDF :30.6/16

Out: -172.255+/-95.768 χ^2/NDF :25.1/18

All: -110.760+/-68.812 χ^2/NDF : 56.6/35

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 351.899+/-0.068 χ^2/NDF :1330236.2/18

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

Left In: 353.214+/-0.070 χ^2/NDF :1010933.9/16

Left: 352.535+/-0.049 χ^2/NDF : 2341352.8/35

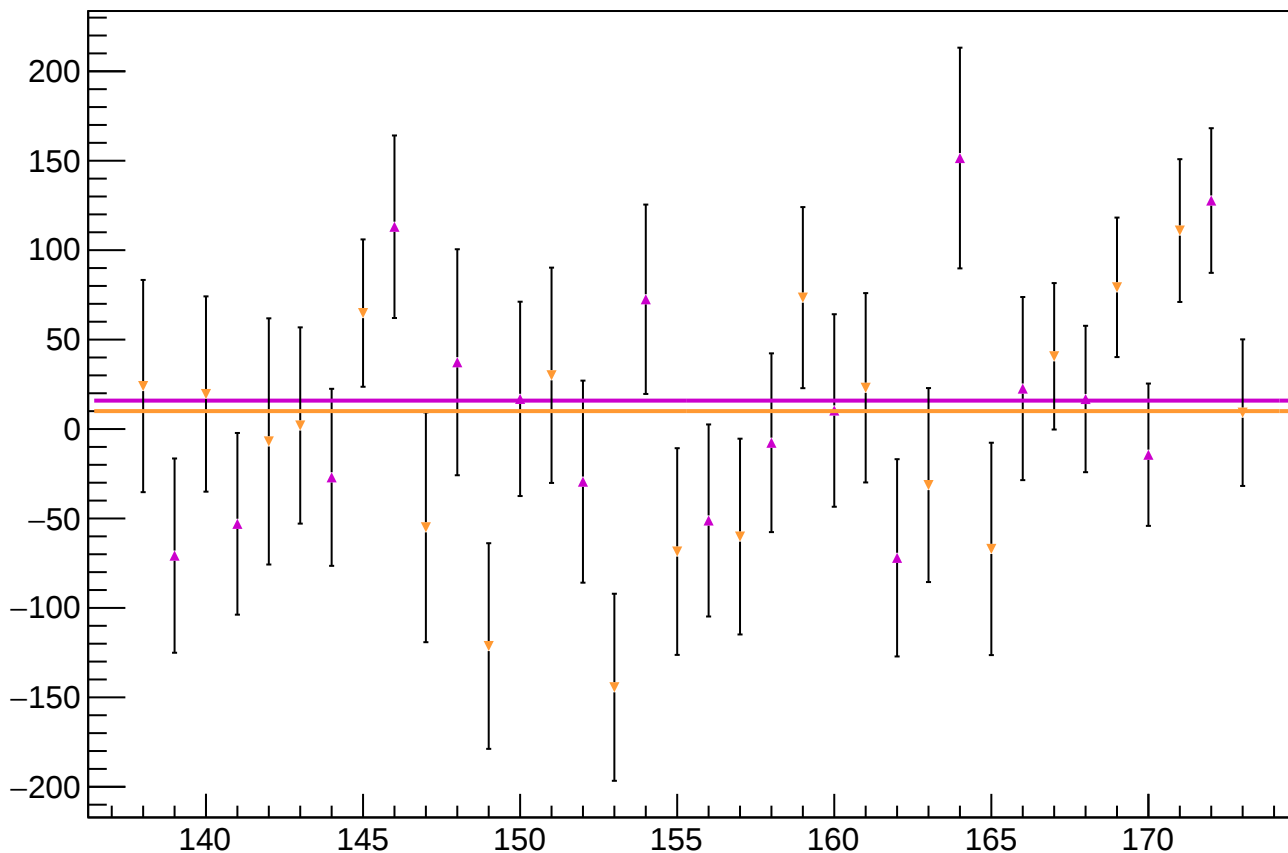
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 353.214+/-0.070 χ^2/NDF :1010933.9/16

Out: 351.899+/-0.068 χ^2/NDF :1330236.2/18

All: 352.535+/-0.049 χ^2/NDF : 2341352.8/35

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 10.025 $\pm$ 11.607 χ^2 /NDF:34.5/18

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

Left In: 15.892 $\pm$ 12.230 χ^2 /NDF:28.1/16

Left: 12.806 $\pm$ 8.419 χ^2 /NDF: 62.7/35

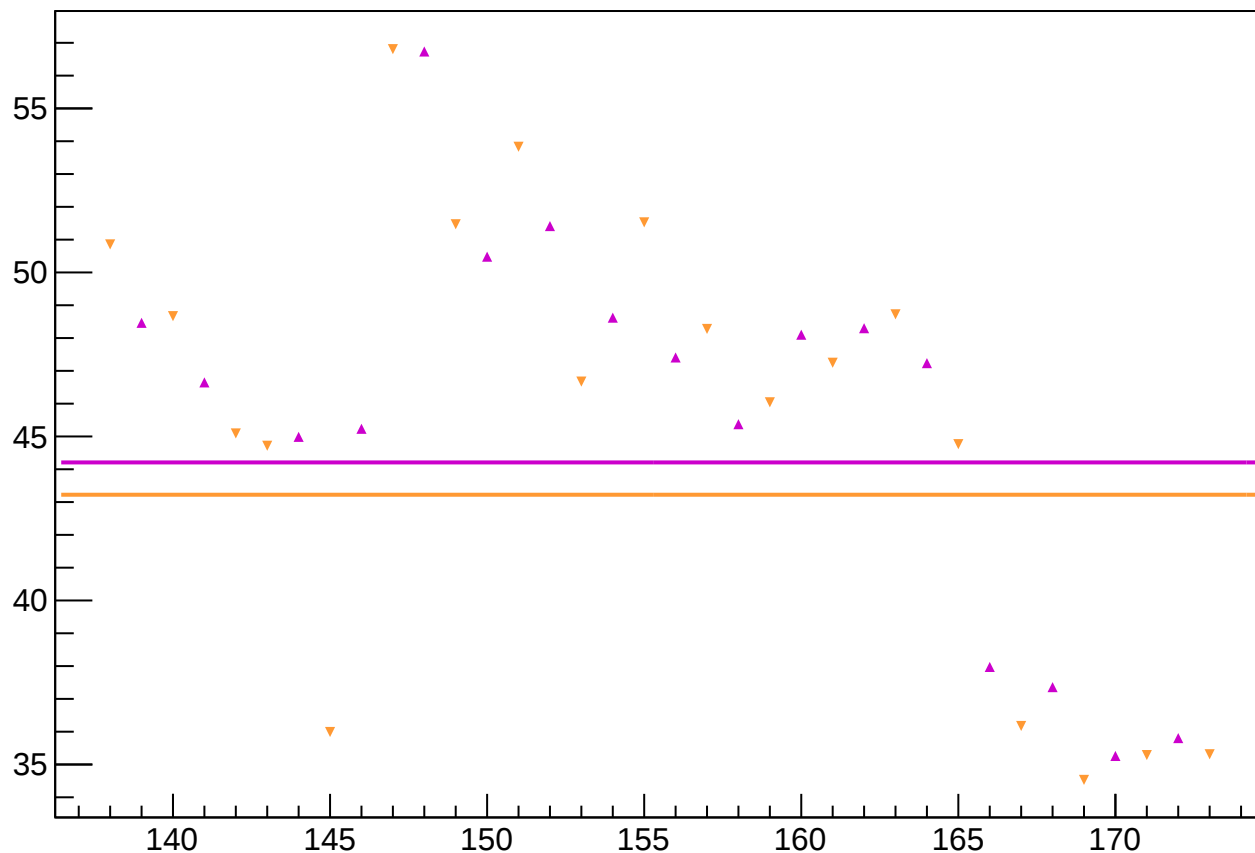
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 15.892 $\pm$ 12.230 χ^2 /NDF:28.1/16

Out: 10.025 $\pm$ 11.607 χ^2 /NDF:34.5/18

All: 12.806 $\pm$ 8.419 χ^2 /NDF: 62.7/35

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 43.224+/-0.008 χ^2/NDF : 729458.1/18

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

Left In: 44.208+/-0.009 χ^2/NDF : 477730.9/16

Left: 43.690+/-0.006 χ^2/NDF : 1214011.2/35

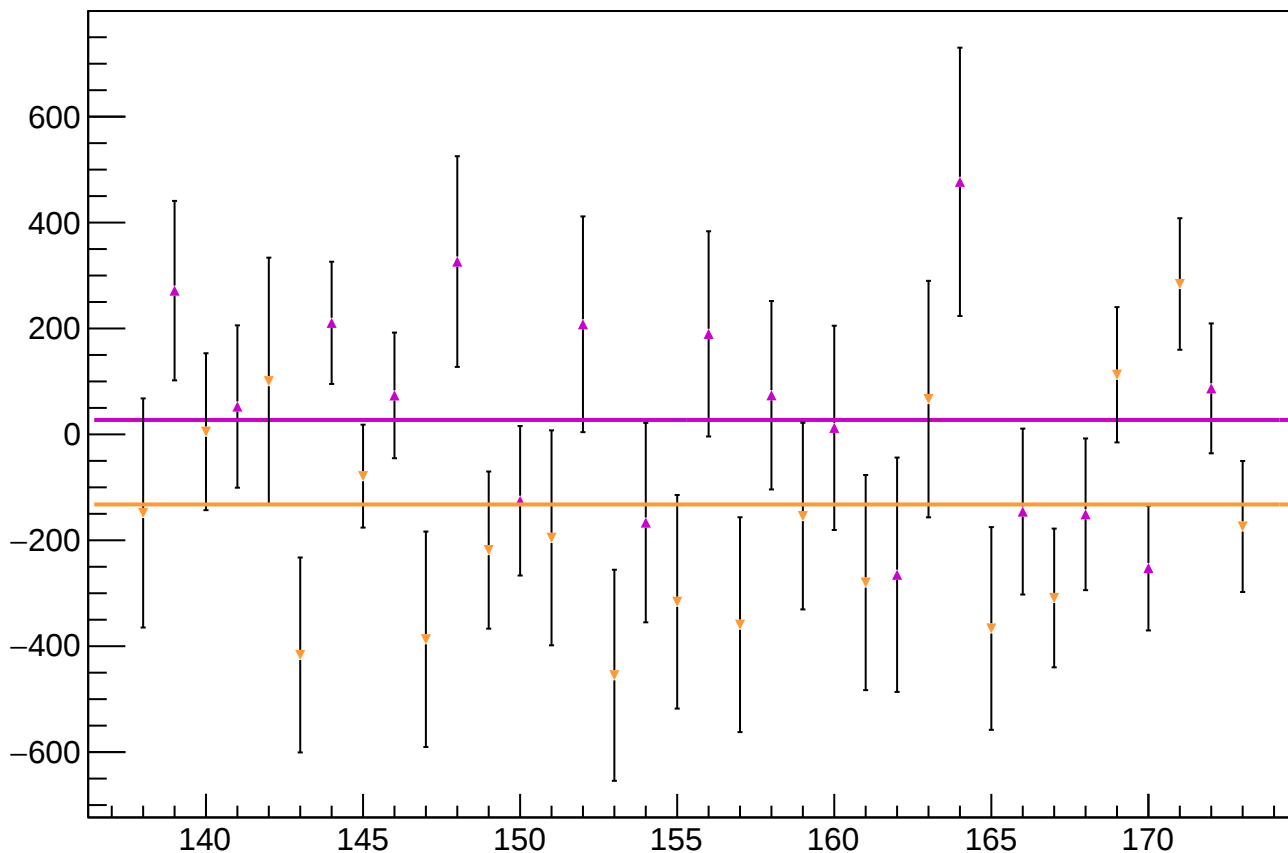
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 44.208+/-0.009 χ^2/NDF : 477730.9/16

Out: 43.224+/-0.008 χ^2/NDF : 729458.1/18

All: 43.690+/-0.006 χ^2/NDF : 1214011.2/35

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: -132.291+/-36.710 χ^2/NDF :30.9/18

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

Left In: 27.222+/-37.787 χ^2/NDF :24.4/16

Left: -54.840+/-26.330 χ^2/NDF : 64.5/35

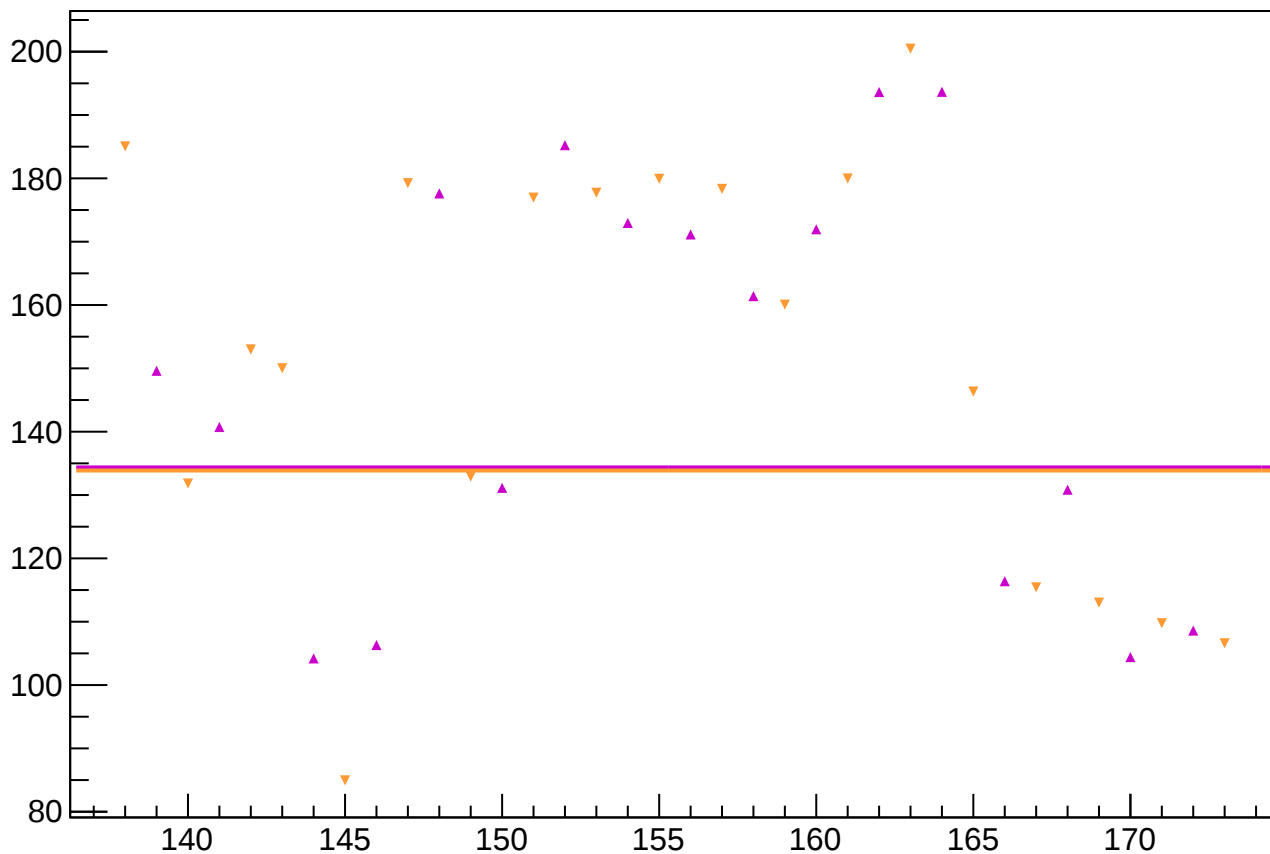
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 27.222+/-37.787 χ^2/NDF :24.4/16

Out: -132.291+/-36.710 χ^2/NDF :30.9/18

All: -54.840+/-26.330 χ^2/NDF : 64.5/35

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: 133.873+/-0.026 χ^2/NDF :1734004.7/18

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

Left In: 134.358+/-0.027 χ^2/NDF :1264585.4/16

Left: 134.108+/-0.019 χ^2/NDF : 2998759.6/35

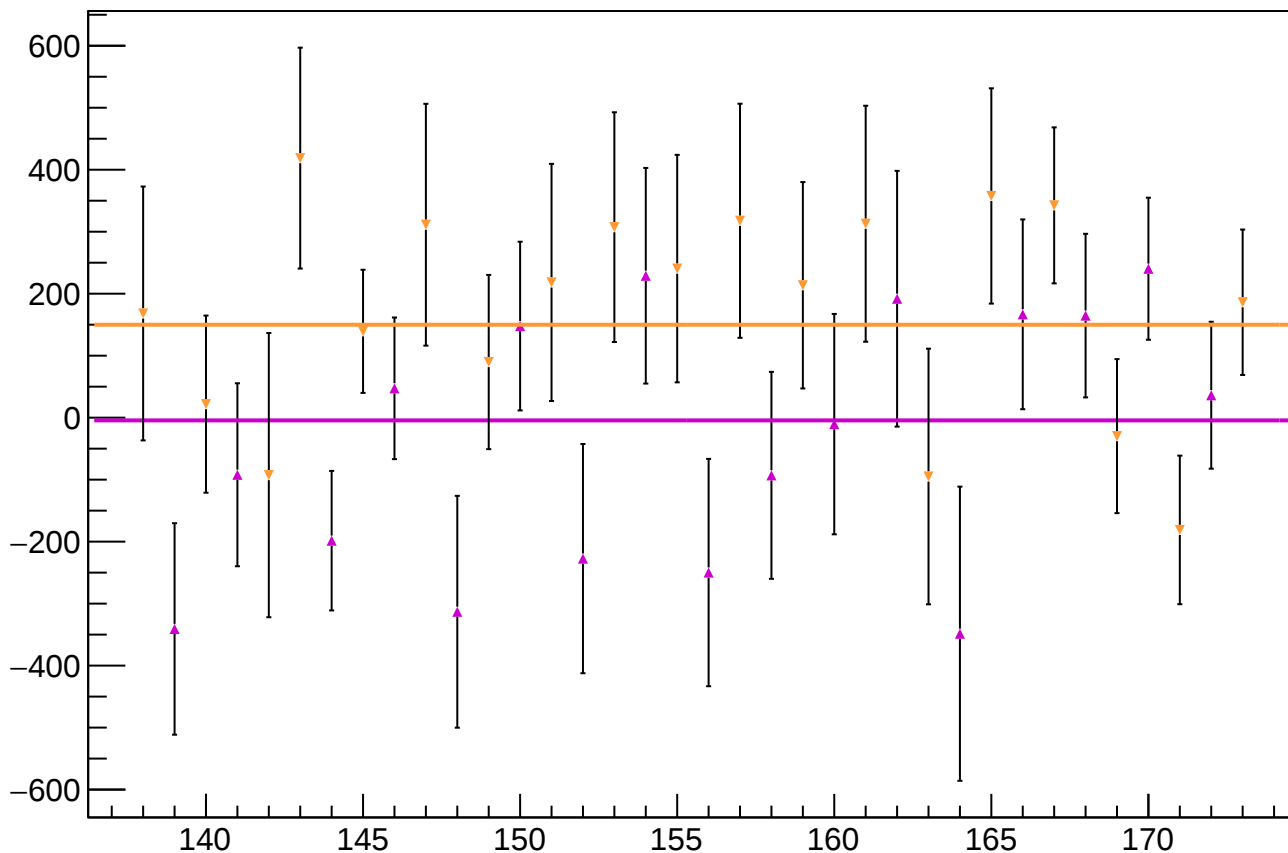
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 134.358+/-0.027 χ^2/NDF :1264585.4/16

Out: 133.873+/-0.026 χ^2/NDF :1734004.7/18

All: 134.108+/-0.019 χ^2/NDF : 2998759.6/35

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: 149.922 $\pm$ 35.216 χ^2 /NDF:22.8/18

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

Left In: -4.396 $\pm$ 36.115 χ^2 /NDF:27.3/16

Left: 74.709 $\pm$ 25.213 χ^2 /NDF: 59.5/35

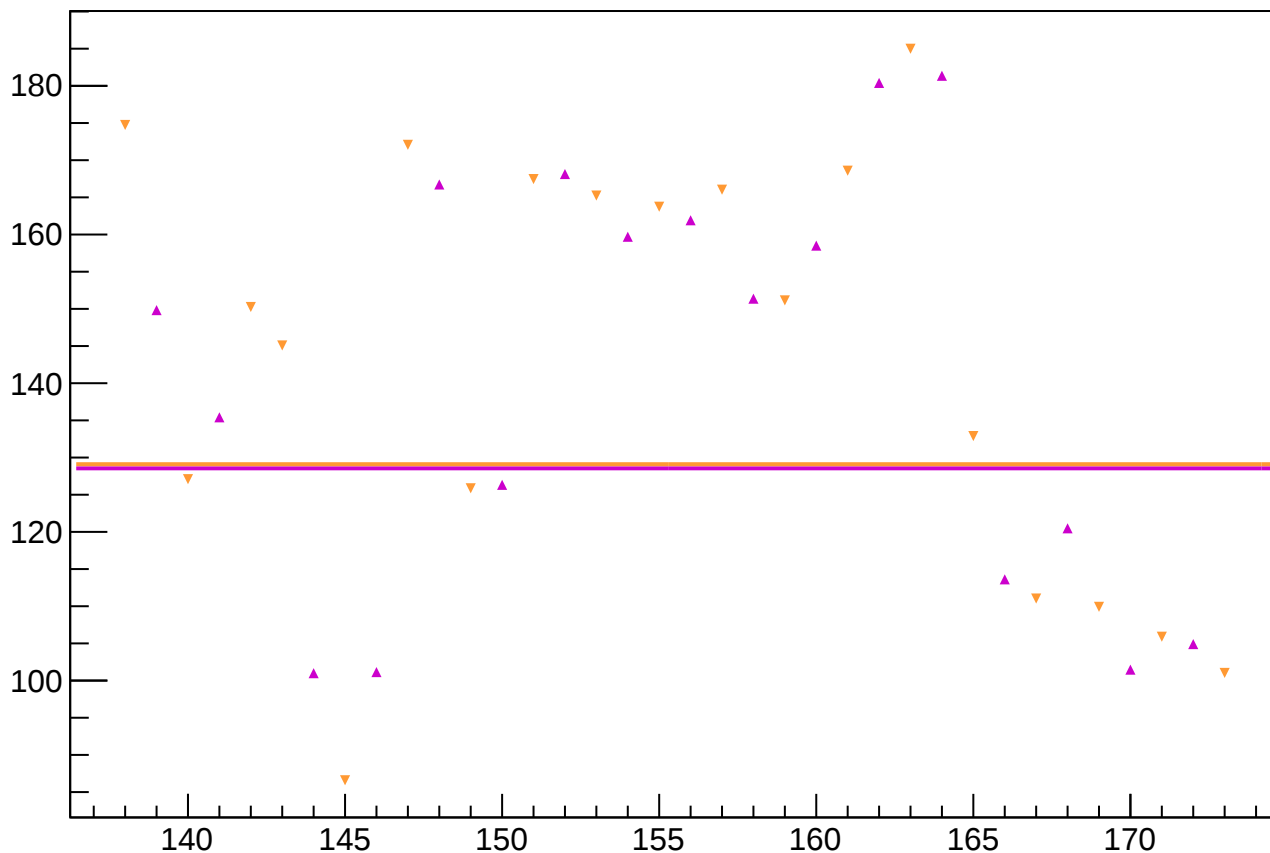
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -4.396 $\pm$ 36.115 χ^2 /NDF:27.3/16

Out: 149.922 $\pm$ 35.216 χ^2 /NDF:22.8/18

All: 74.709 $\pm$ 25.213 χ^2 /NDF: 59.5/35

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 129.105+/-0.025 χ^2/NDF :1448979.2/18

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

Left In: 128.550+/-0.026 χ^2/NDF :1113745.1/16

Left: 128.834+/-0.018 χ^2/NDF : 2562966.3/35

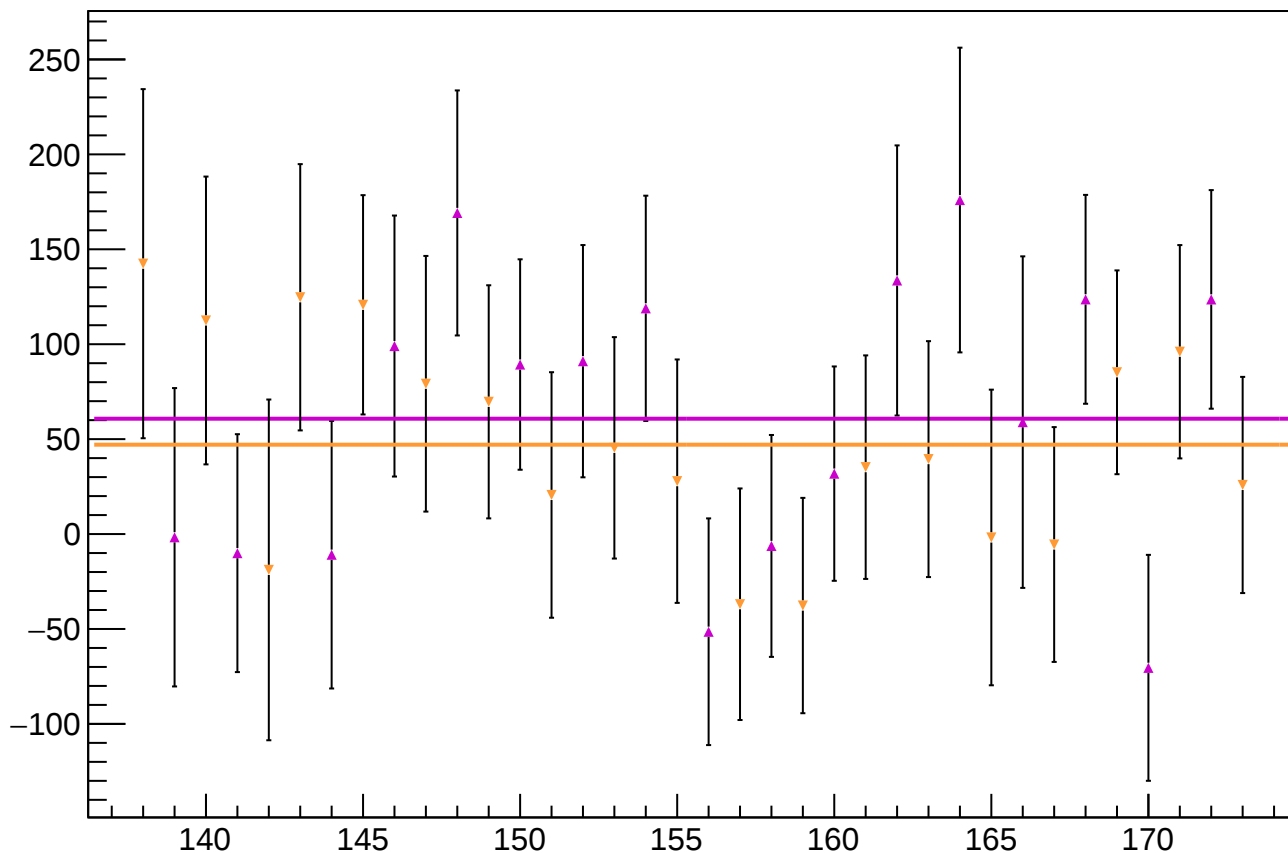
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 128.550+/-0.026 χ^2/NDF :1113745.1/16

Out: 129.105+/-0.025 χ^2/NDF :1448979.2/18

All: 128.834+/-0.018 χ^2/NDF : 2562966.3/35

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left Out: 47.071 $\pm$ 14.574 χ^2 /NDF:12.5/18

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

Left In: 60.757 $\pm$ 15.371 χ^2 /NDF:23.1/16

Left: 53.550 $\pm$ 10.576 χ^2 /NDF: 36.1/35

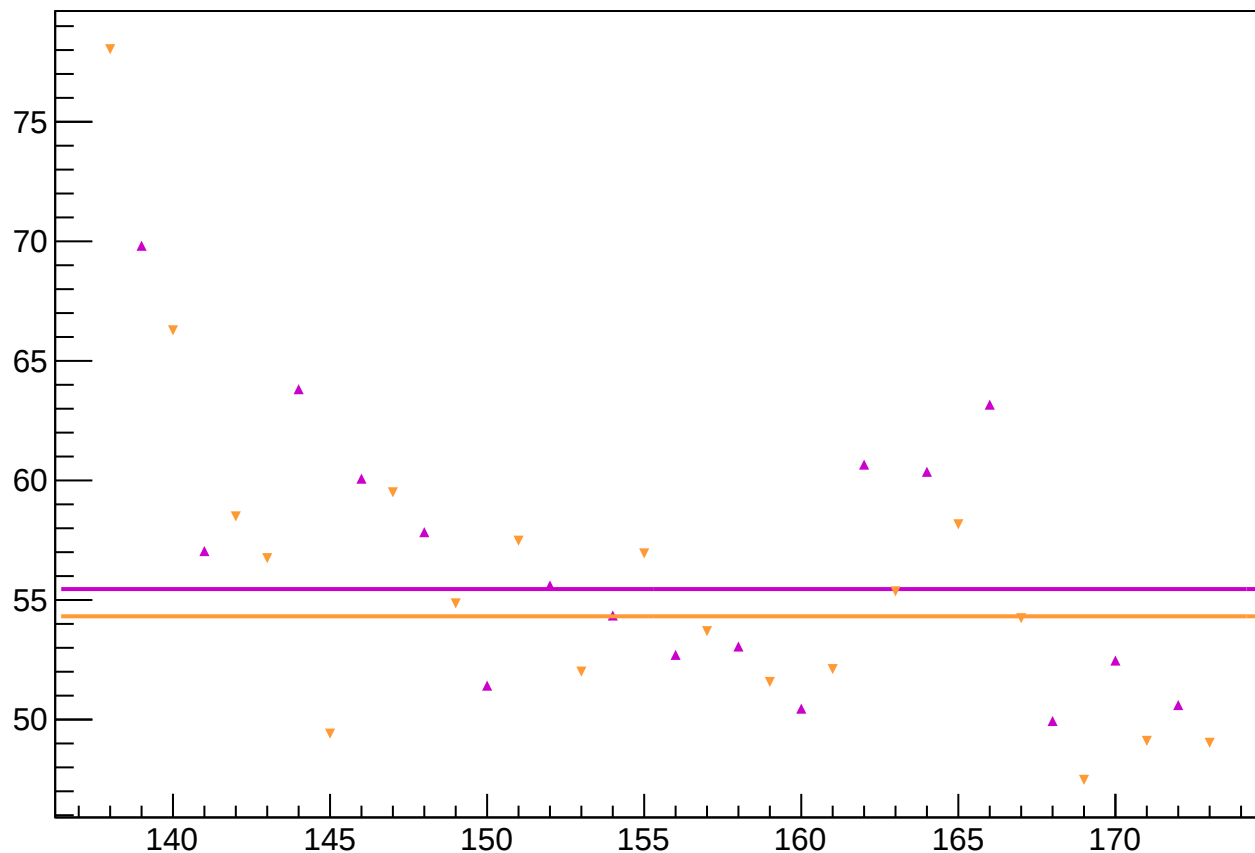
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 60.757 $\pm$ 15.371 χ^2 /NDF:23.1/16

Out: 47.071 $\pm$ 14.574 χ^2 /NDF:12.5/18

All: 53.550 $\pm$ 10.576 χ^2 /NDF: 36.1/35

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 54.318+/-0.010 χ^2/NDF :307438.0/18

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

Left In: 55.457+/-0.011 χ^2/NDF :215734.8/16

Left: 54.858+/-0.007 χ^2/NDF : 528956.6/35

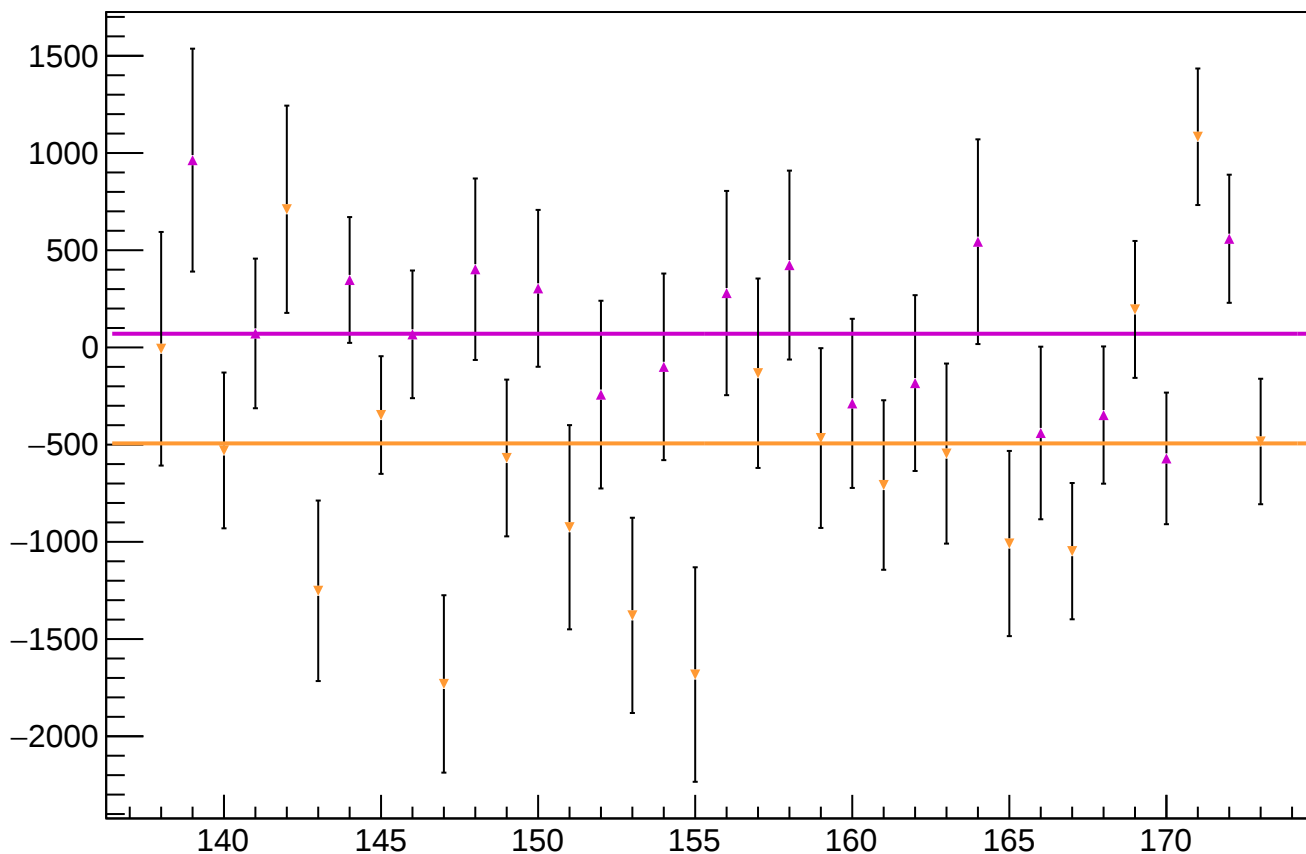
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 55.457+/-0.011 χ^2/NDF :215734.8/16

Out: 54.318+/-0.010 χ^2/NDF :307438.0/18

All: 54.858+/-0.007 χ^2/NDF : 528956.6/35

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -493.661+/-96.648 χ^2/NDF :53.0/18

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

Left In: 70.412+/-99.664 χ^2/NDF :15.5/16

Left: -220.288+/-69.382 χ^2/NDF : 85.0/35

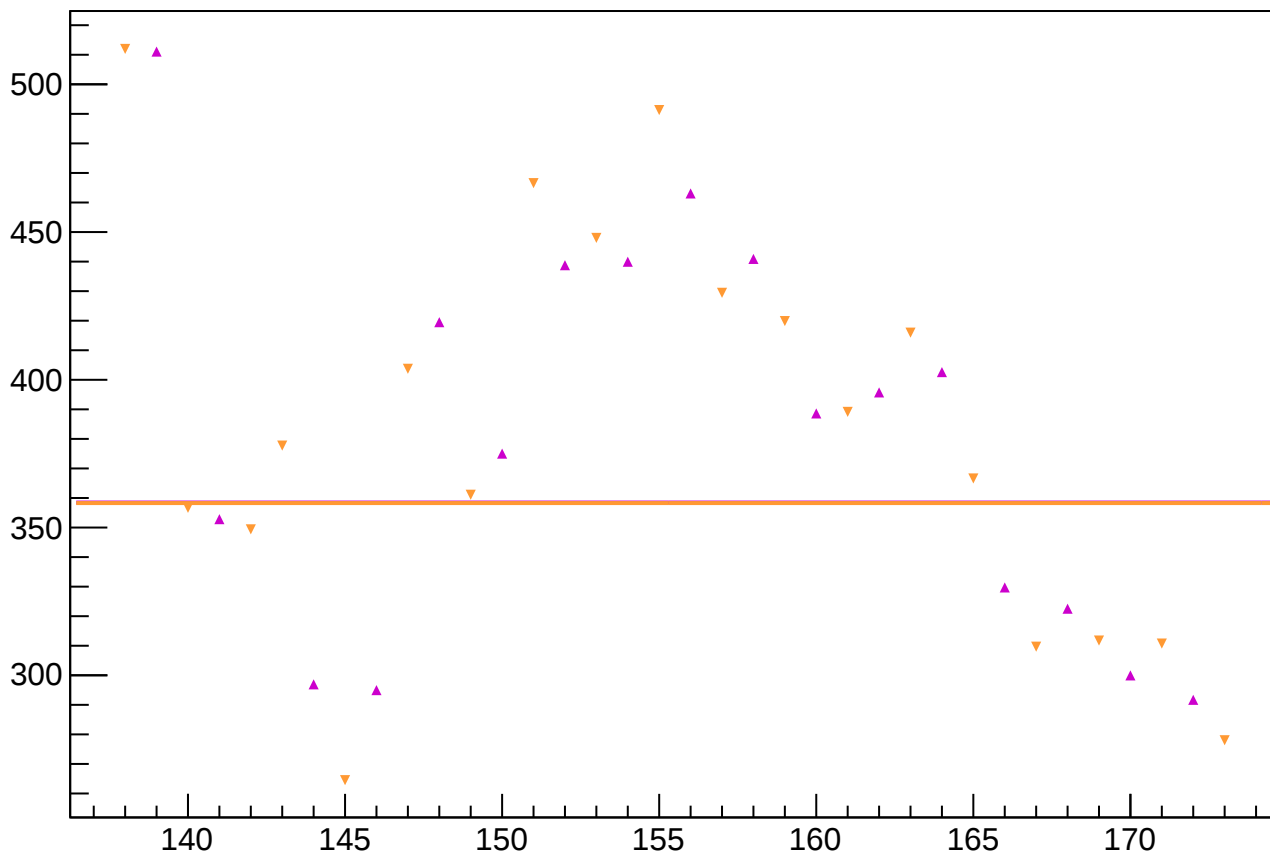
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 70.412+/-99.664 χ^2/NDF :15.5/16

Out: -493.661+/-96.648 χ^2/NDF :53.0/18

All: -220.288+/-69.382 χ^2/NDF : 85.0/35

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 358.284+/-0.068 χ^2/NDF :965670.1/18

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

Left In: 358.461+/-0.070 χ^2/NDF :784949.6/16

Left: 358.370+/-0.049 χ^2/NDF : 1750623.0/35

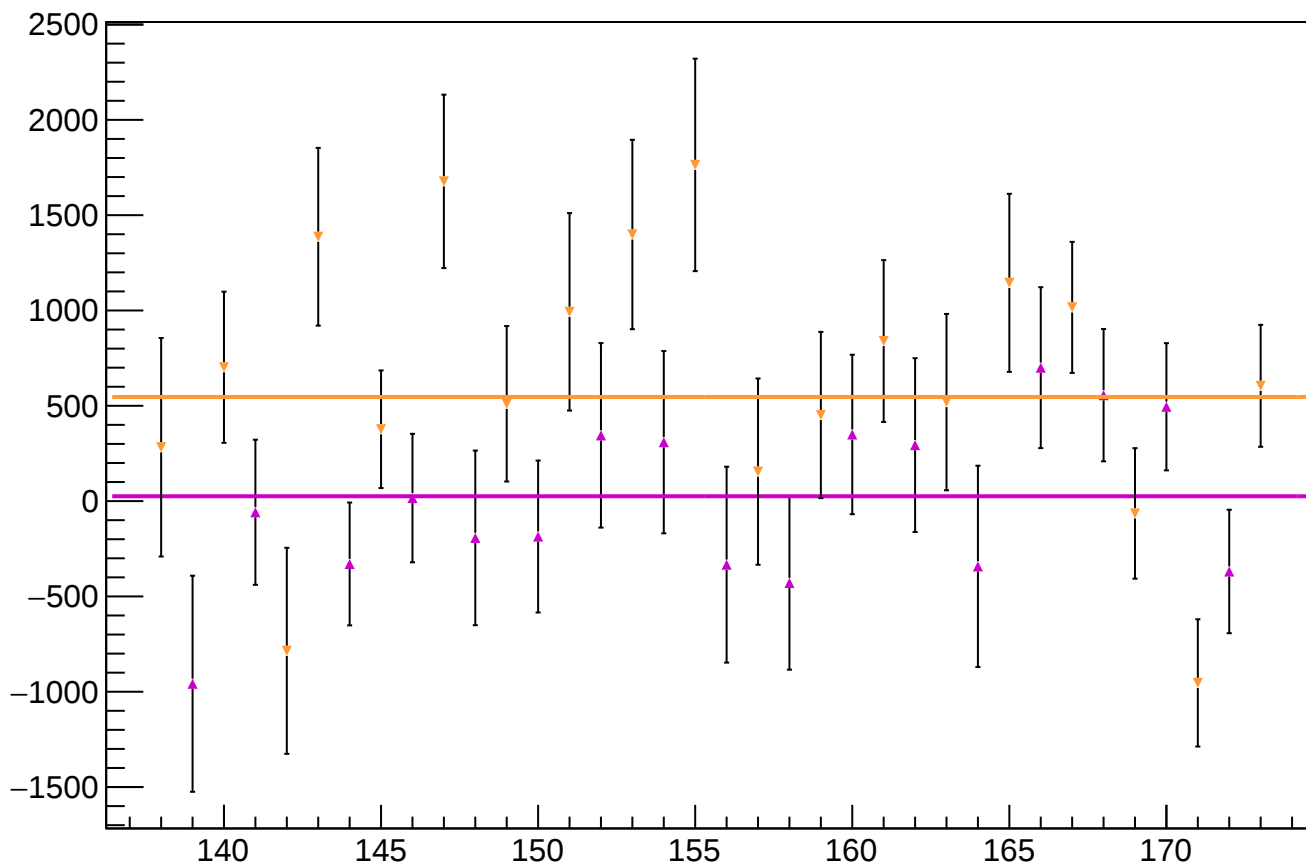
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 358.461+/-0.070 χ^2/NDF :784949.6/16

Out: 358.284+/-0.068 χ^2/NDF :965670.1/18

All: 358.370+/-0.049 χ^2/NDF : 1750623.0/35

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left Out: 546.289 ± 95.447 χ^2/NDF : 52.7/18

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

Left In: 25.485 ± 98.382 χ^2/NDF : 16.8/16

Left: 293.770 ± 68.505 χ^2/NDF : 84.0/35

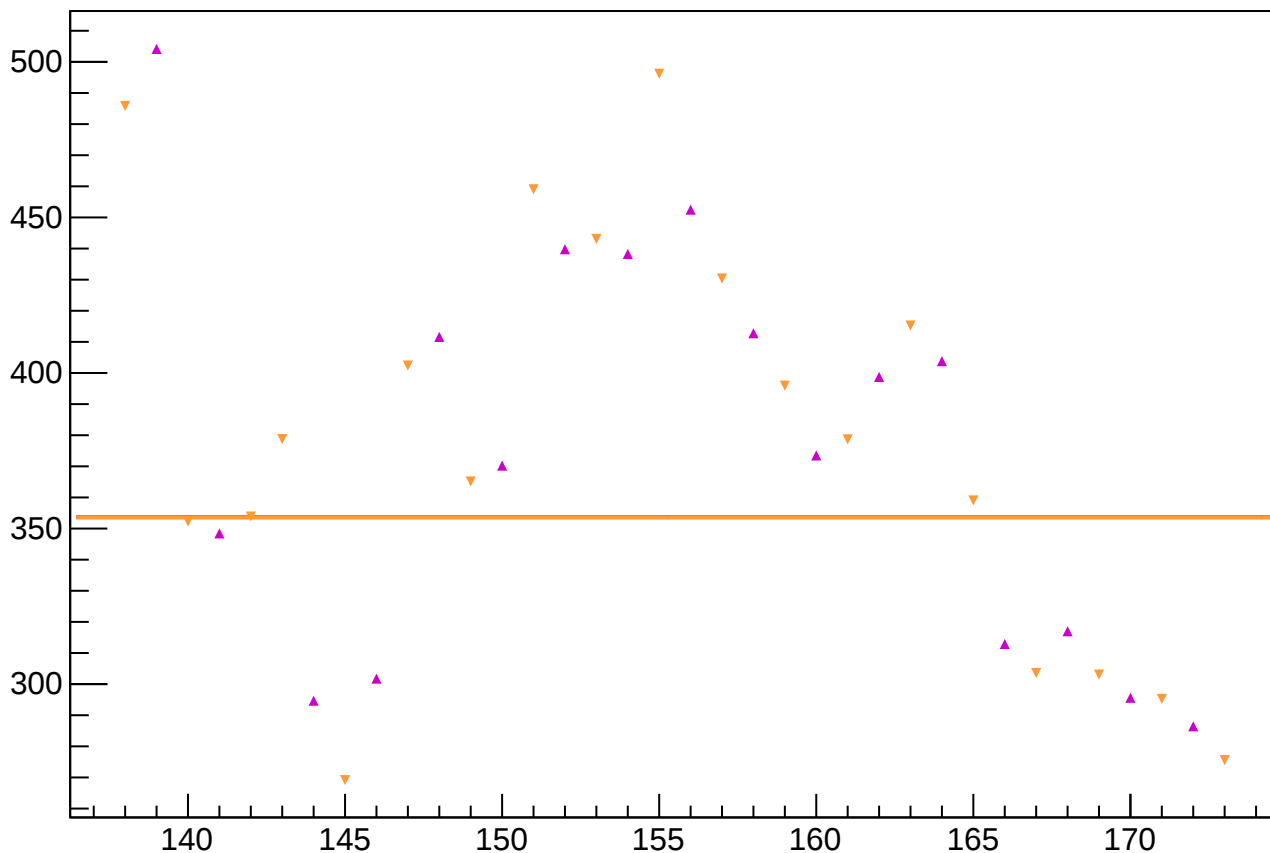
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: 25.485 ± 98.382 χ^2/NDF : 16.8/16

Out: 546.289 ± 95.447 χ^2/NDF : 52.7/18

All: 293.770 ± 68.505 χ^2/NDF : 84.0/35

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 353.599+/-0.067 χ^2/NDF :942418.9/18

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

Left In: 353.663+/-0.070 χ^2/NDF :754814.6/16

Left: 353.630+/-0.048 χ^2/NDF : 1697233.9/35

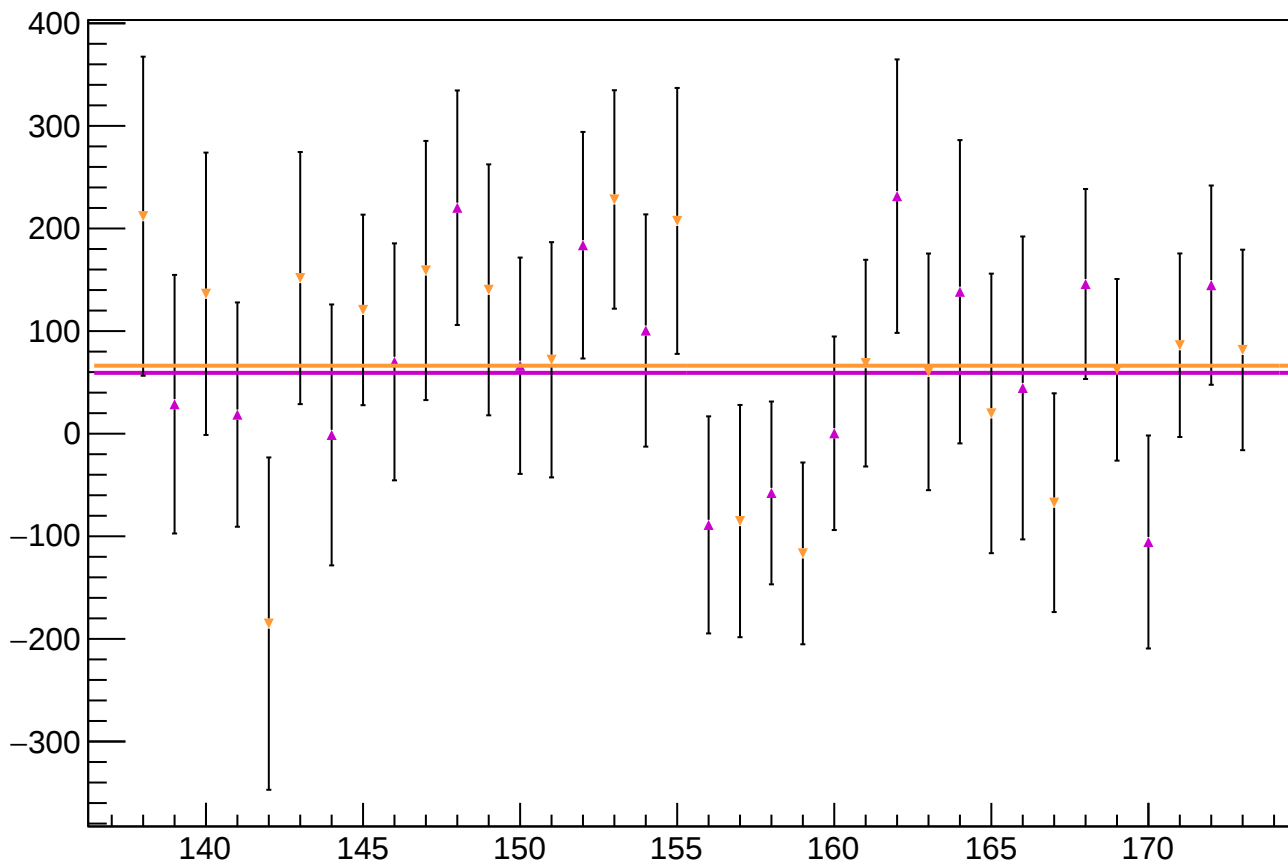
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 353.663+/-0.070 χ^2/NDF :754814.6/16

Out: 353.599+/-0.067 χ^2/NDF :942418.9/18

All: 353.630+/-0.048 χ^2/NDF : 1697233.9/35

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 66.274 $\pm$ 25.430 χ^2 /NDF:16.6/18

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

Left In: 59.302 $\pm$ 26.714 χ^2 /NDF:14.0/16

Left: 62.960 $\pm$ 18.419 χ^2 /NDF: 30.7/35

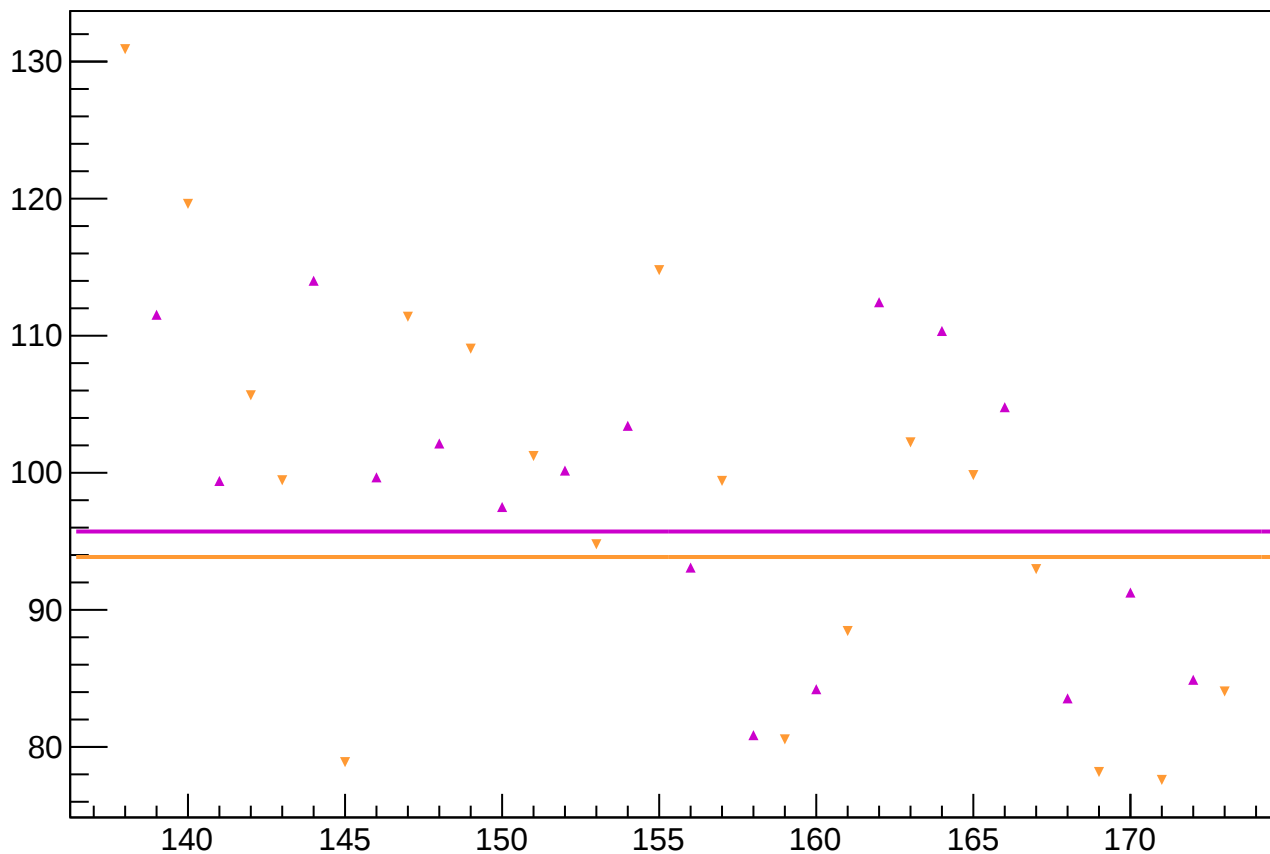
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 59.302 $\pm$ 26.714 χ^2 /NDF:14.0/16

Out: 66.274 $\pm$ 25.430 χ^2 /NDF:16.6/18

All: 62.960 $\pm$ 18.419 χ^2 /NDF: 30.7/35

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 93.856+/-0.018 χ^2/NDF :599556.1/18

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

Left In: 95.716+/-0.019 χ^2/NDF :305239.8/16

Left: 94.740+/-0.013 χ^2/NDF : 909882.5/35

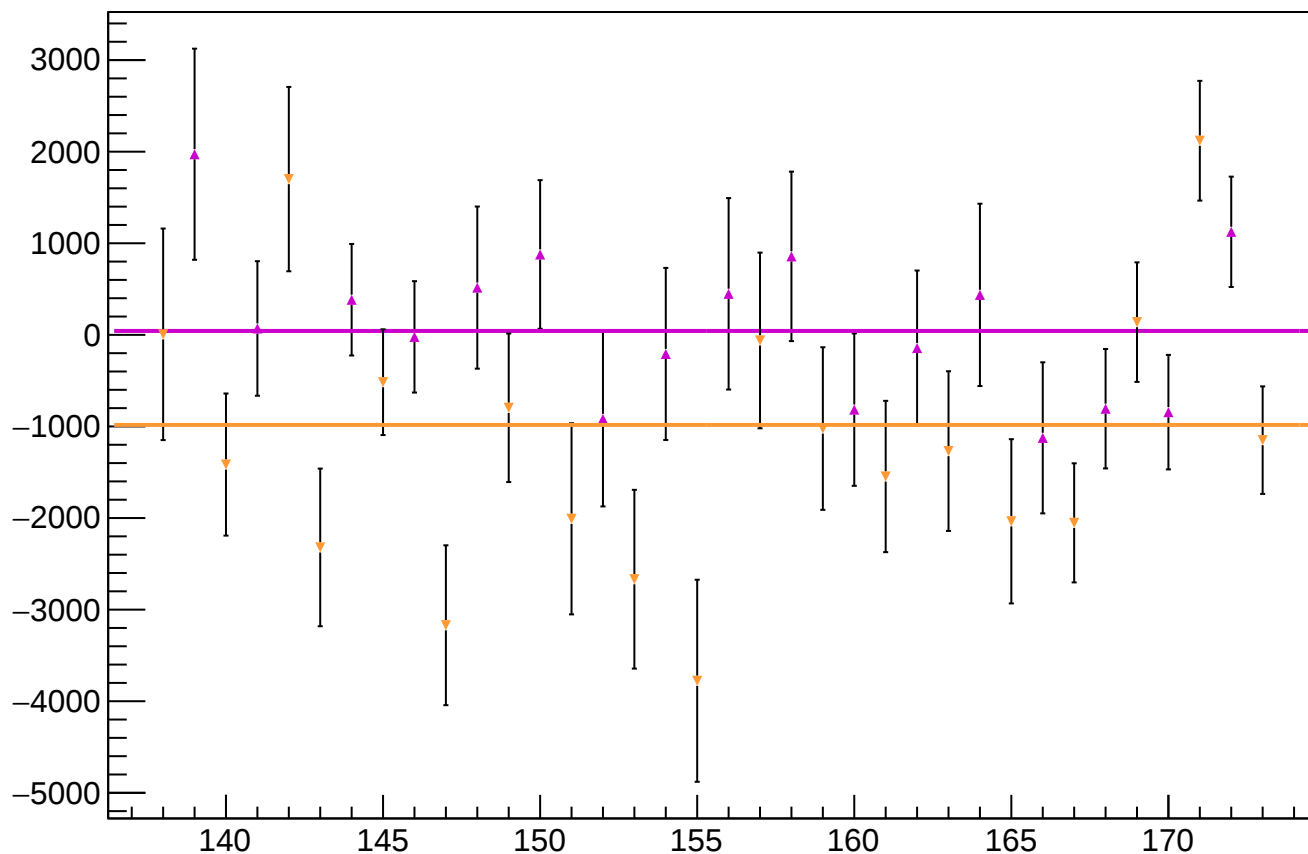
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 95.716+/-0.019 χ^2/NDF :305239.8/16

Out: 93.856+/-0.018 χ^2/NDF :599556.1/18

All: 94.740+/-0.013 χ^2/NDF : 909882.5/35

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -983.225+/-183.459 χ^2/NDF :59.1/18

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

Left In: 42.805+/-188.620 χ^2/NDF :16.7/16

Left: -484.439+/-131.512 χ^2/NDF : 91.0/35

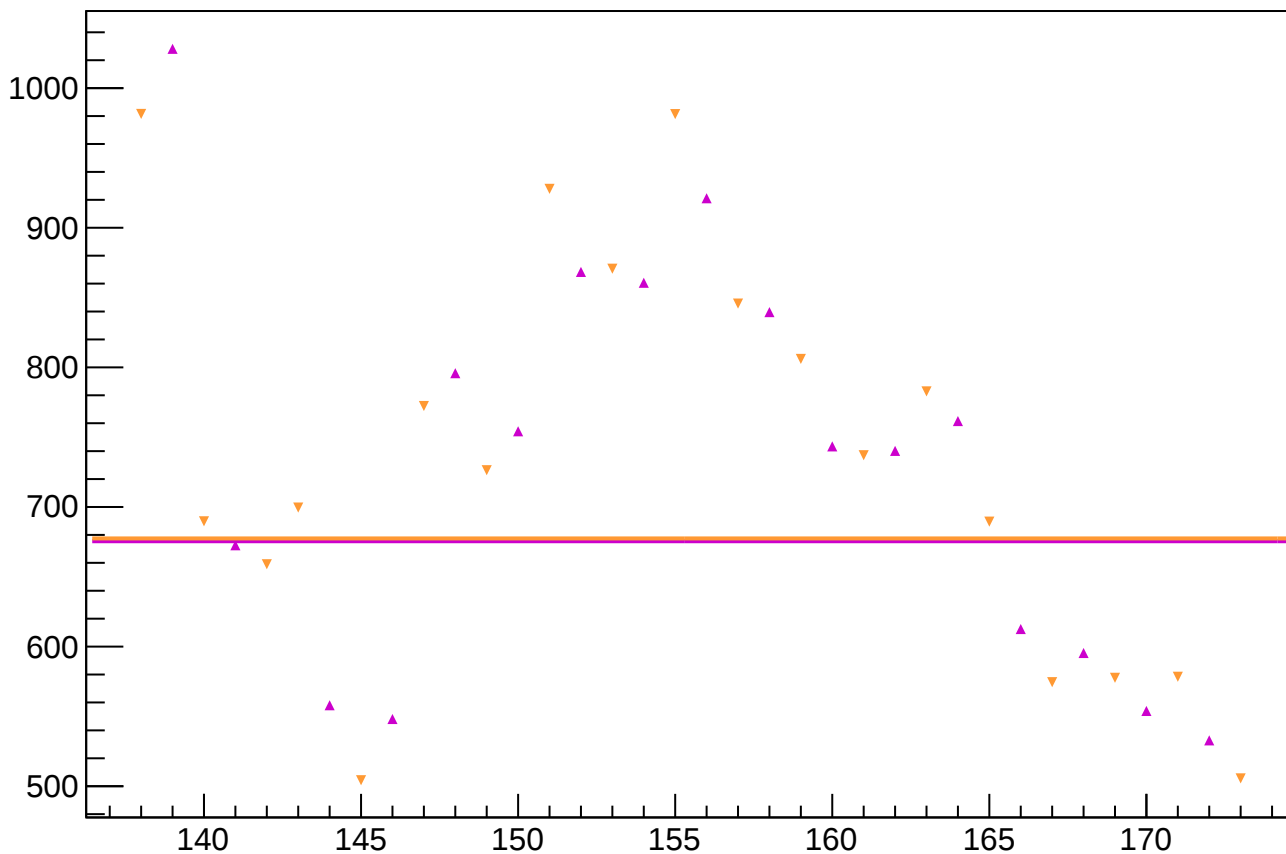
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 42.805+/-188.620 χ^2/NDF :16.7/16

Out: -983.225+/-183.459 χ^2/NDF :59.1/18

All: -484.439+/-131.512 χ^2/NDF : 91.0/35

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 677.480+/-0.130 χ^2/NDF :1155195.1/18

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

Left In: 675.471+/-0.133 χ^2/NDF :1007498.7/16

Left: 676.503+/-0.093 χ^2/NDF : 2162810.4/35

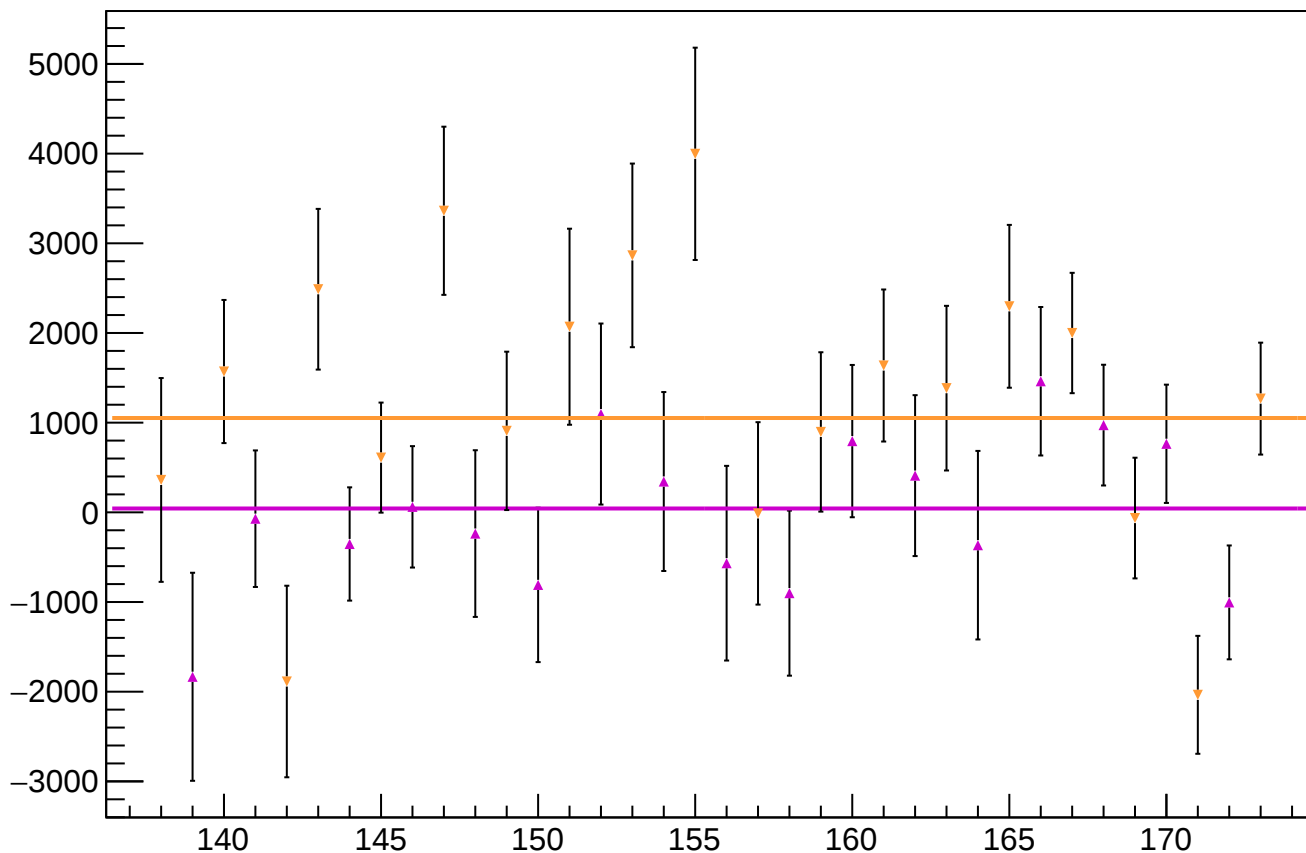
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 675.471+/-0.133 χ^2/NDF :1007498.7/16

Out: 677.480+/-0.130 χ^2/NDF :1155195.1/18

All: 676.503+/-0.093 χ^2/NDF : 2162810.4/35

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 1051.834+/-191.100 χ^2/NDF :58.3/18

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

Left In: 42.802+/-197.410 χ^2/NDF :16.5/16

Left: 563.701+/-137.305 χ^2/NDF : 88.3/35

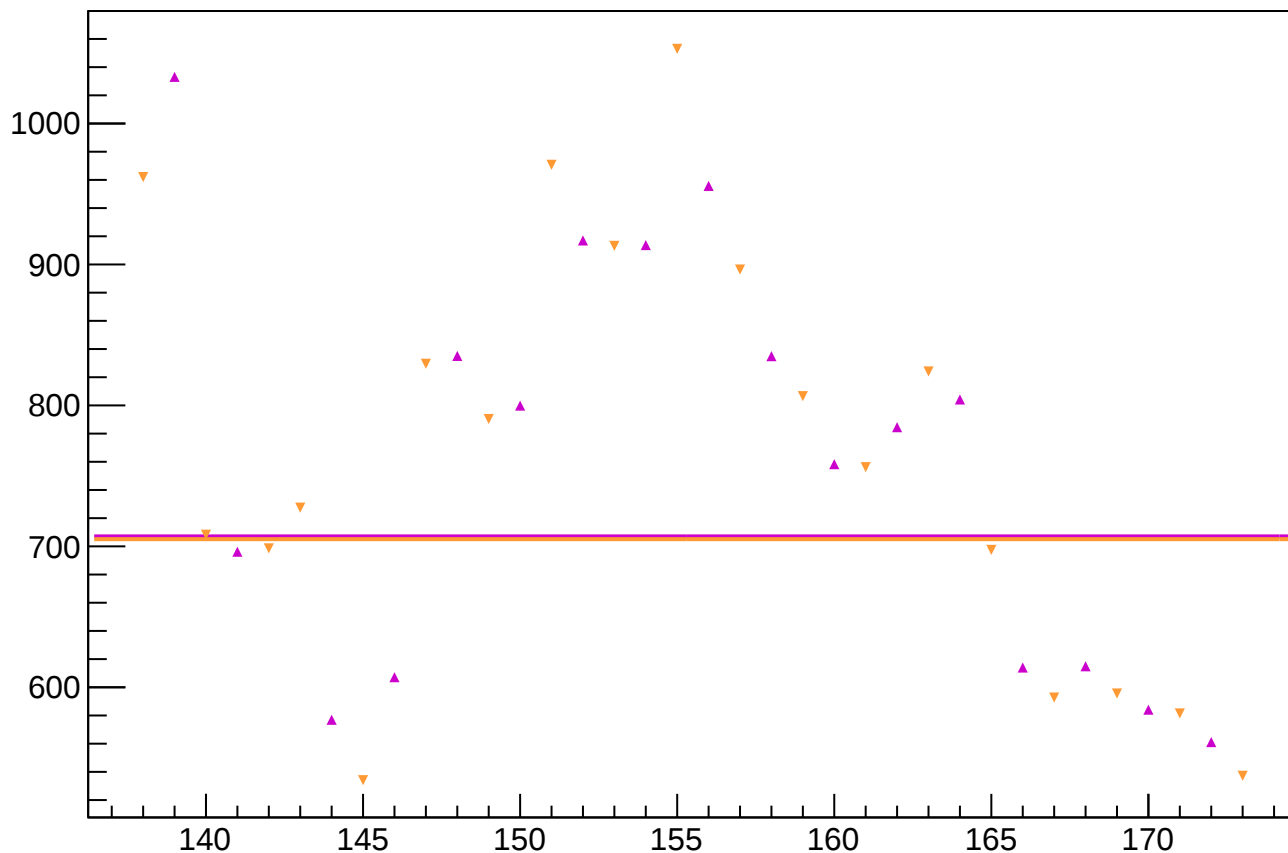
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 42.802+/-197.410 χ^2/NDF :16.5/16

Out: 1051.834+/-191.100 χ^2/NDF :58.3/18

All: 563.701+/-137.305 χ^2/NDF : 88.3/35

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 705.100+/-0.135 χ^2/NDF :1148604.6/18

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

Left In: 707.068+/-0.140 χ^2/NDF :941251.5/16

Left: 706.052+/-0.097 χ^2/NDF : 2089958.7/35

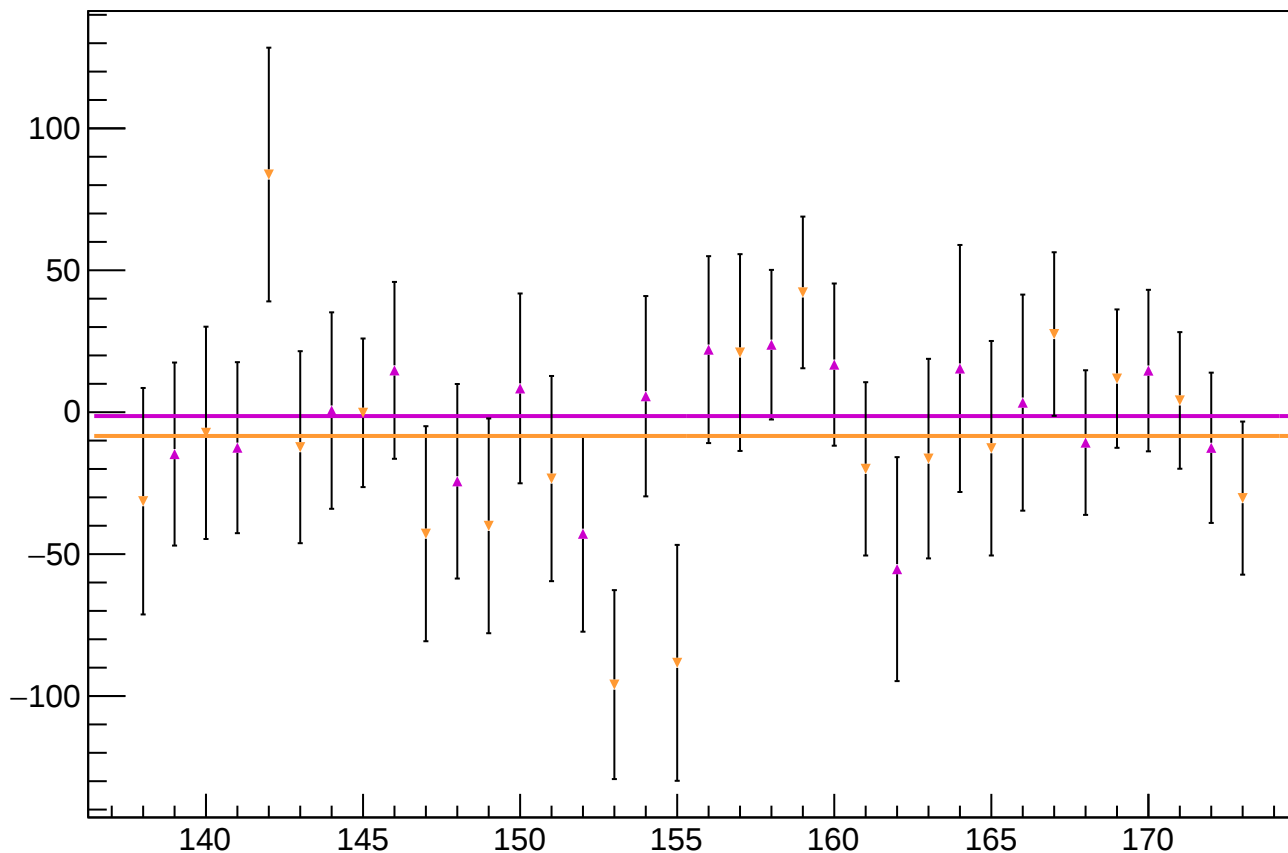
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 707.068+/-0.140 χ^2/NDF :941251.5/16

Out: 705.100+/-0.135 χ^2/NDF :1148604.6/18

All: 706.052+/-0.097 χ^2/NDF : 2089958.7/35

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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

Left Out: -8.368+/-7.328 χ^2/NDF :24.7/18

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

Left In: -1.361+/-7.677 χ^2/NDF :7.1/16

Left: -5.027+/-5.301 χ^2/NDF : 32.2/35

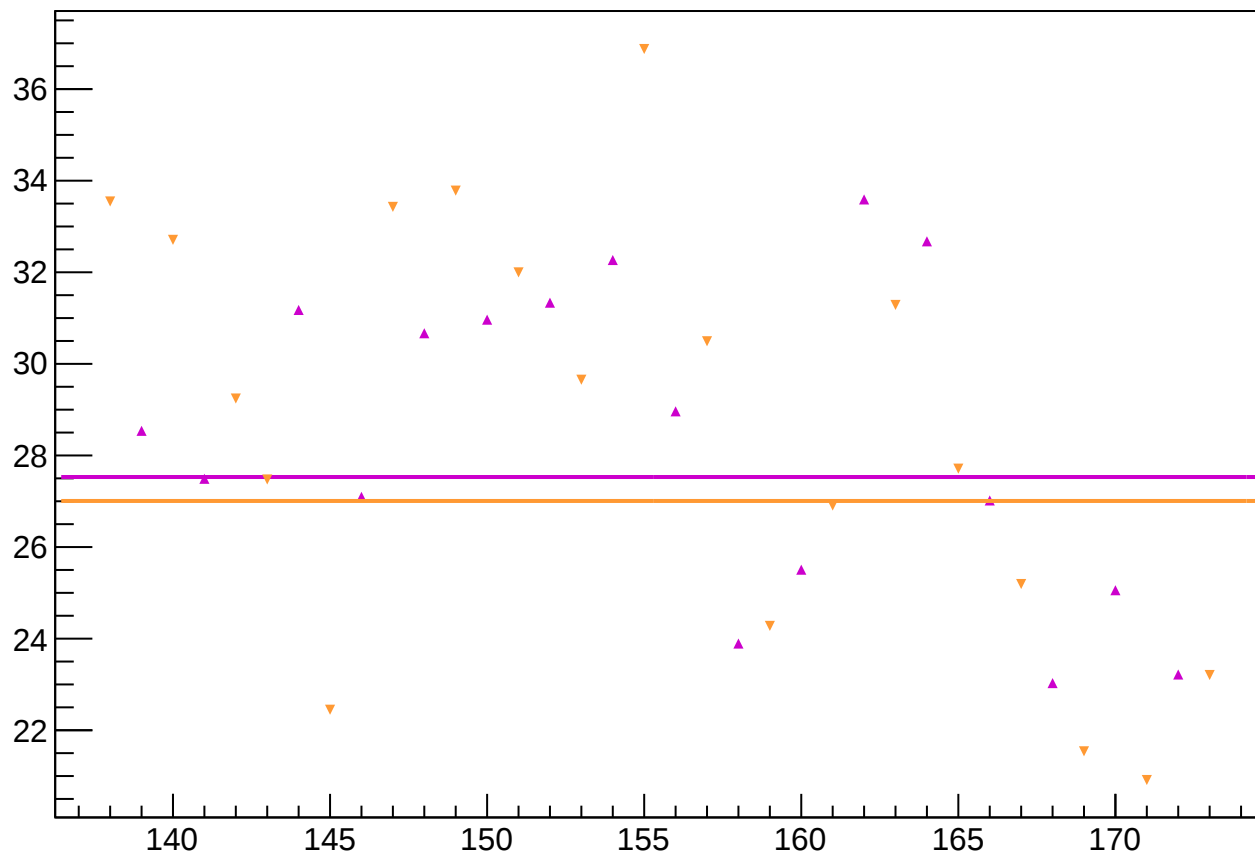
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.361+/-7.677 χ^2/NDF :7.1/16

Out: -8.368+/-7.328 χ^2/NDF :24.7/18

All: -5.027+/-5.301 χ^2/NDF : 32.2/35

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 27.006+/-0.005 χ^2/NDF :799351.9/18

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

Left In: 27.530+/-0.005 χ^2/NDF :380856.8/16

Left: 27.256+/-0.004 χ^2/NDF : 1185068.7/35

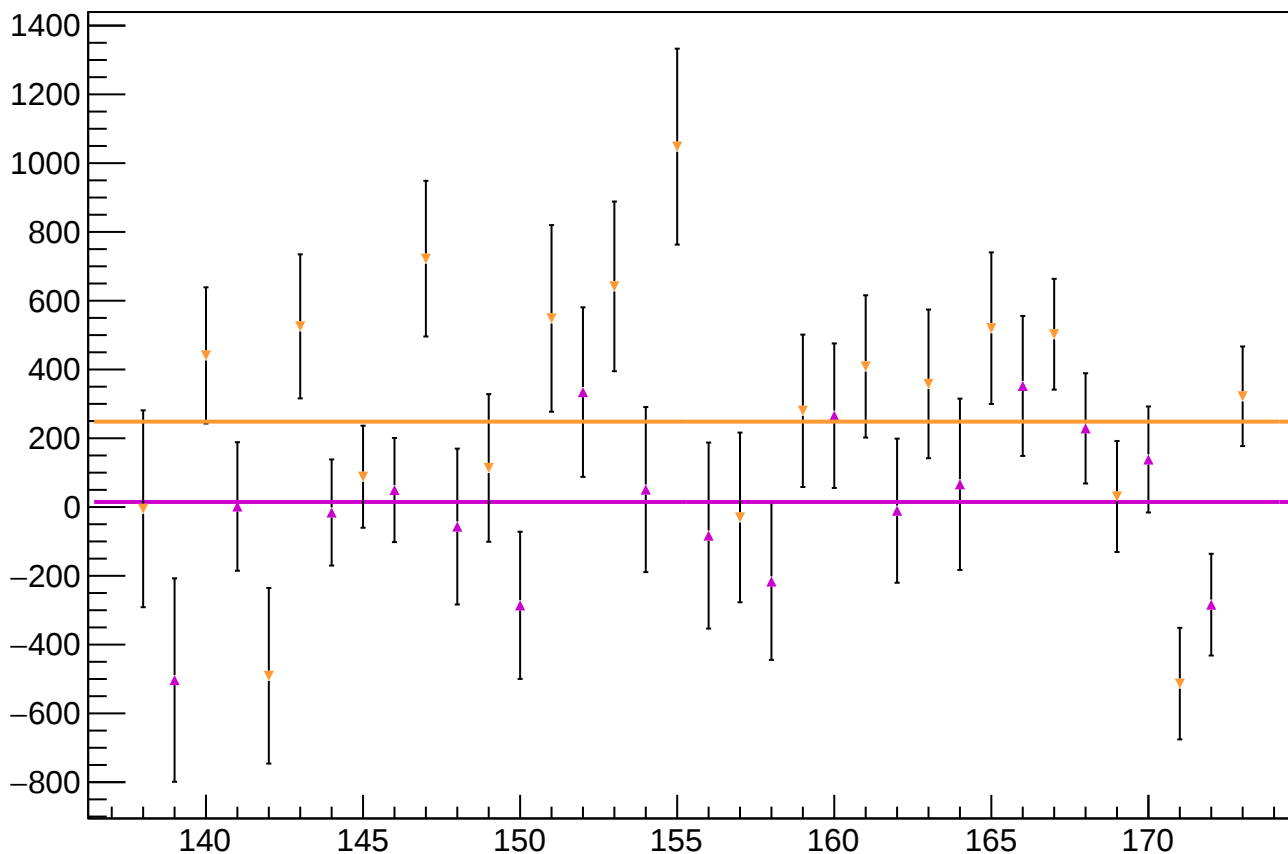
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 27.530+/-0.005 χ^2/NDF :380856.8/16

Out: 27.006+/-0.005 χ^2/NDF :799351.9/18

All: 27.256+/-0.004 χ^2/NDF : 1185068.7/35

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 248.386+/-46.147 χ^2/NDF :59.7/18

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

Left In: 14.840+/-47.342 χ^2/NDF :18.8/16

Left: 134.597+/-33.045 χ^2/NDF : 91.0/35

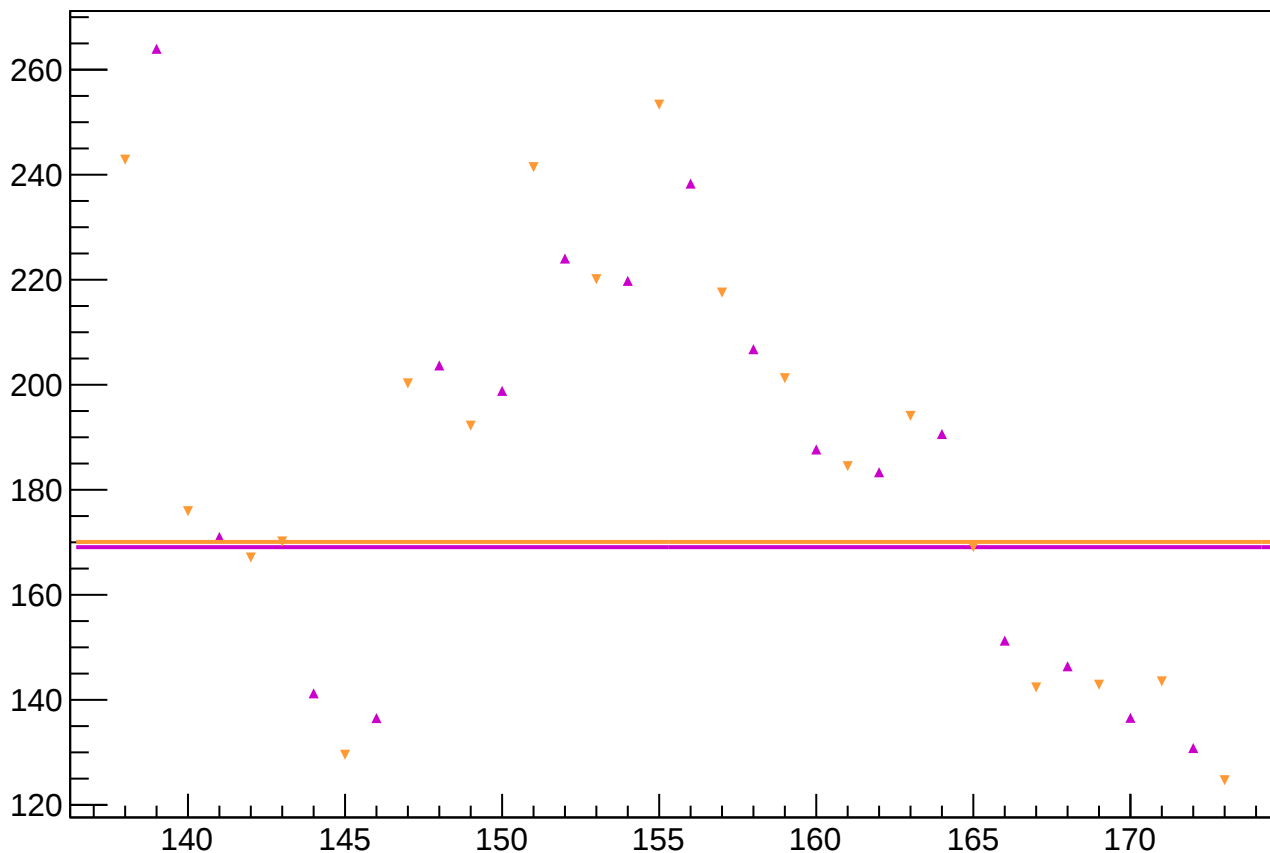
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 14.840+/-47.342 χ^2/NDF :18.8/16

Out: 248.386+/-46.147 χ^2/NDF :59.7/18

All: 134.597+/-33.045 χ^2/NDF : 91.0/35

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 170.075+/-0.033 χ^2/NDF :1242937.1/18

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

Left In: 169.076+/-0.033 χ^2/NDF :1141347.8/16

Left: 169.588+/-0.023 χ^2/NDF : 2384741.3/35

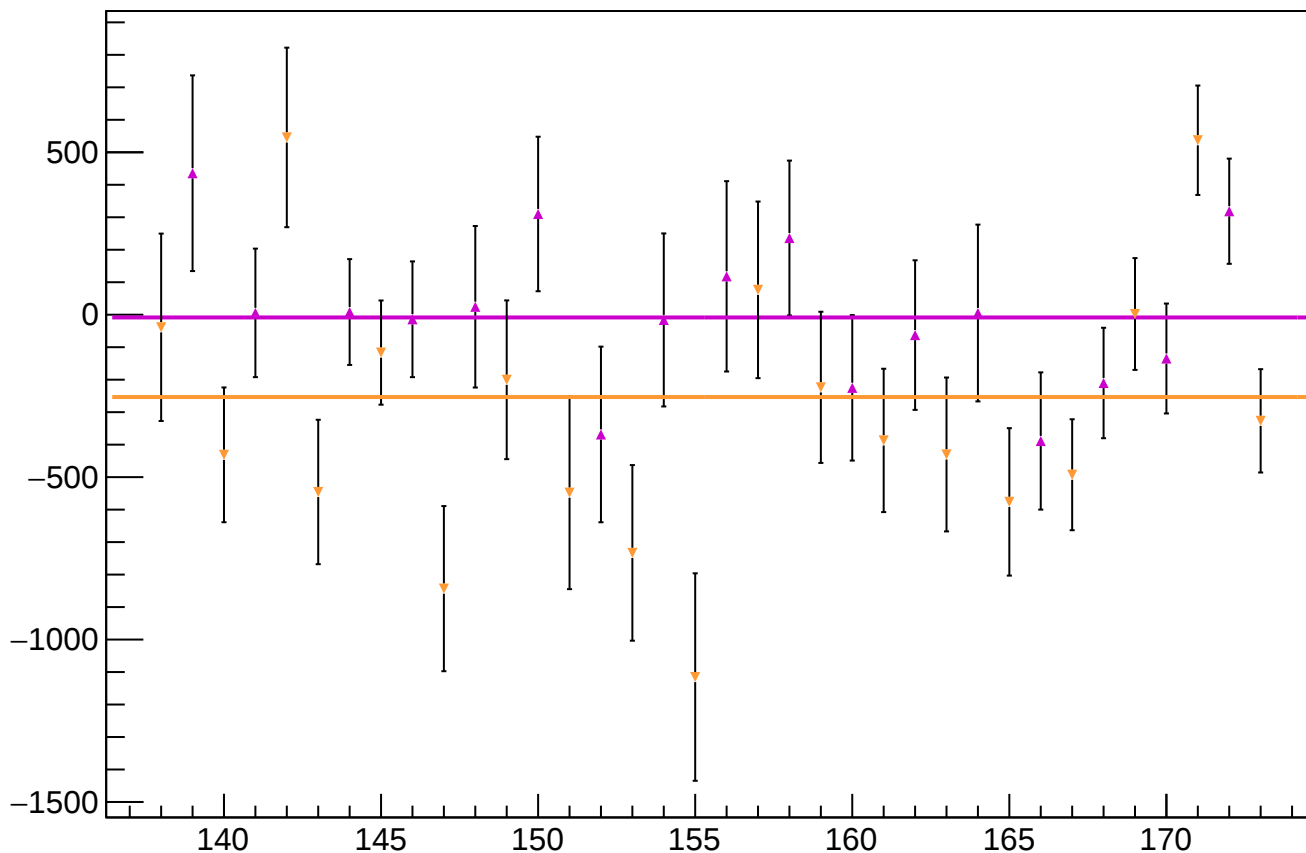
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 169.076+/-0.033 χ^2/NDF :1141347.8/16

Out: 170.075+/-0.033 χ^2/NDF :1242937.1/18

All: 169.588+/-0.023 χ^2/NDF : 2384741.3/35

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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

Left Out: -253.430+/-49.558 χ^2/NDF :59.8/18

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

Left In: -8.438+/-51.360 χ^2/NDF :17.3/16

Left: -135.307+/-35.663 χ^2/NDF : 88.9/35

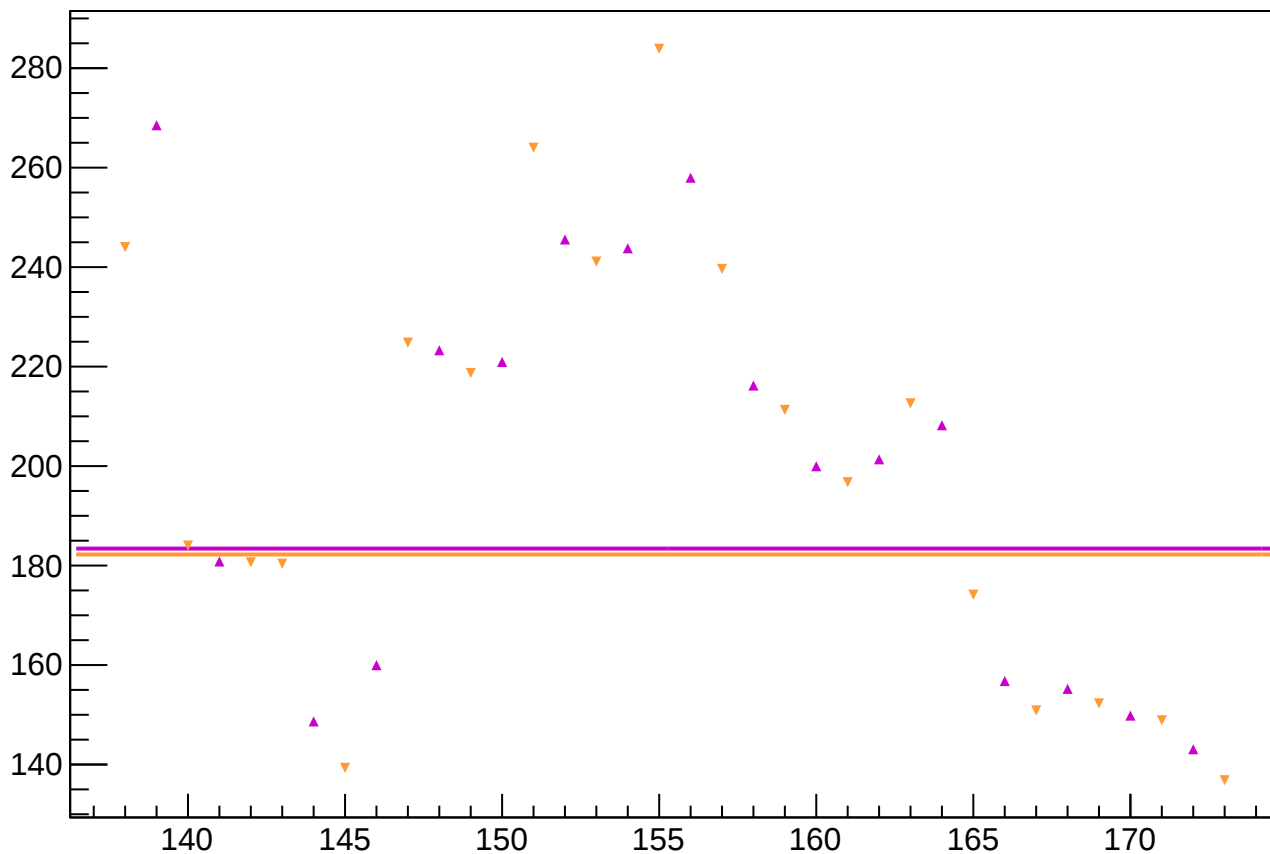
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.438+/-51.360 χ^2/NDF :17.3/16

Out: -253.430+/-49.558 χ^2/NDF :59.8/18

All: -135.307+/-35.663 χ^2/NDF : 88.9/35

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 182.227+/-0.035 χ^2/NDF :1318938.8/18

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

Left In: 183.412+/-0.036 χ^2/NDF :1092280.1/16

Left: 182.799+/-0.025 χ^2/NDF : 2411770.4/35

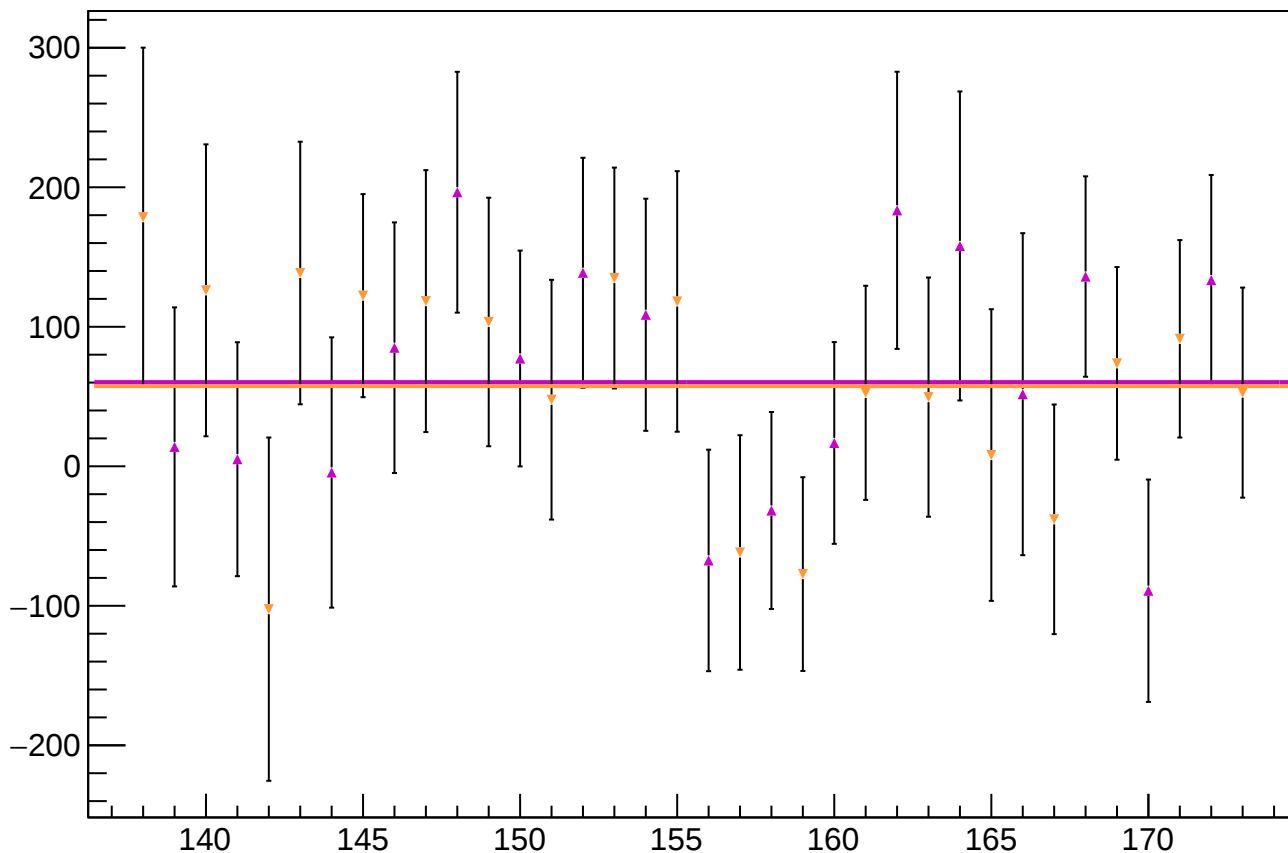
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 183.412+/-0.036 χ^2/NDF :1092280.1/16

Out: 182.227+/-0.035 χ^2/NDF :1318938.8/18

All: 182.799+/-0.025 χ^2/NDF : 2411770.4/35

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 57.490+/-19.405 χ^2/NDF :14.4/18

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

Left In: 60.331+/-20.405 χ^2/NDF :17.5/16

Left: 58.839+/-14.062 χ^2/NDF : 31.9/35

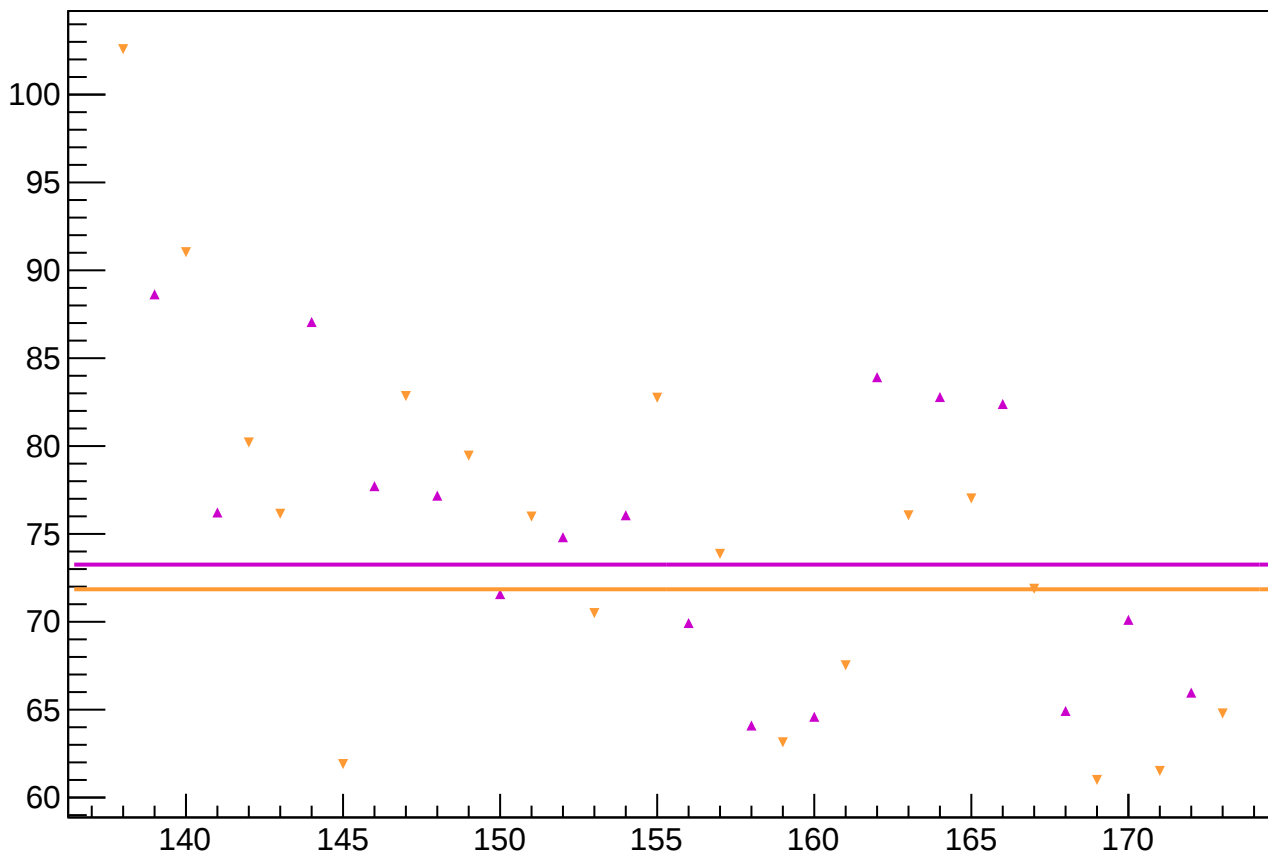
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 60.331+/-20.405 χ^2/NDF :17.5/16

Out: 57.490+/-19.405 χ^2/NDF :14.4/18

All: 58.839+/-14.062 χ^2/NDF : 31.9/35

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 71.850+/-0.014 χ^2/NDF :478697.7/18

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

Left In: 73.255+/-0.014 χ^2/NDF :268323.6/16

Left: 72.517+/-0.010 χ^2/NDF : 751996.5/35

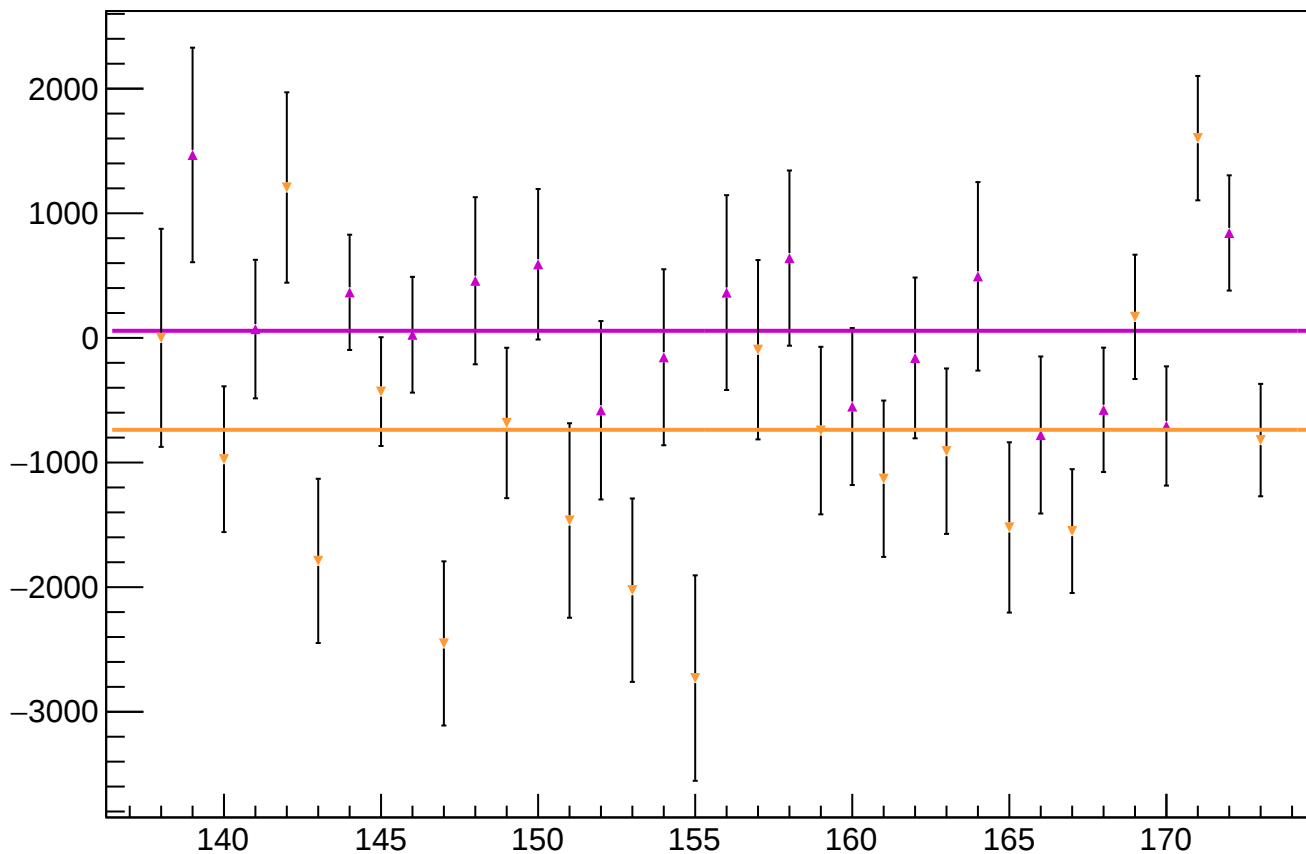
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 73.255+/-0.014 χ^2/NDF :268323.6/16

Out: 71.850+/-0.014 χ^2/NDF :478697.7/18

All: 72.517+/-0.010 χ^2/NDF : 751996.5/35

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -737.446+/-139.193 χ^2/NDF :57.5/18

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

Left In: 57.182+/-143.252 χ^2/NDF :16.2/16

Left: -351.547+/-99.829 χ^2/NDF : 89.5/35

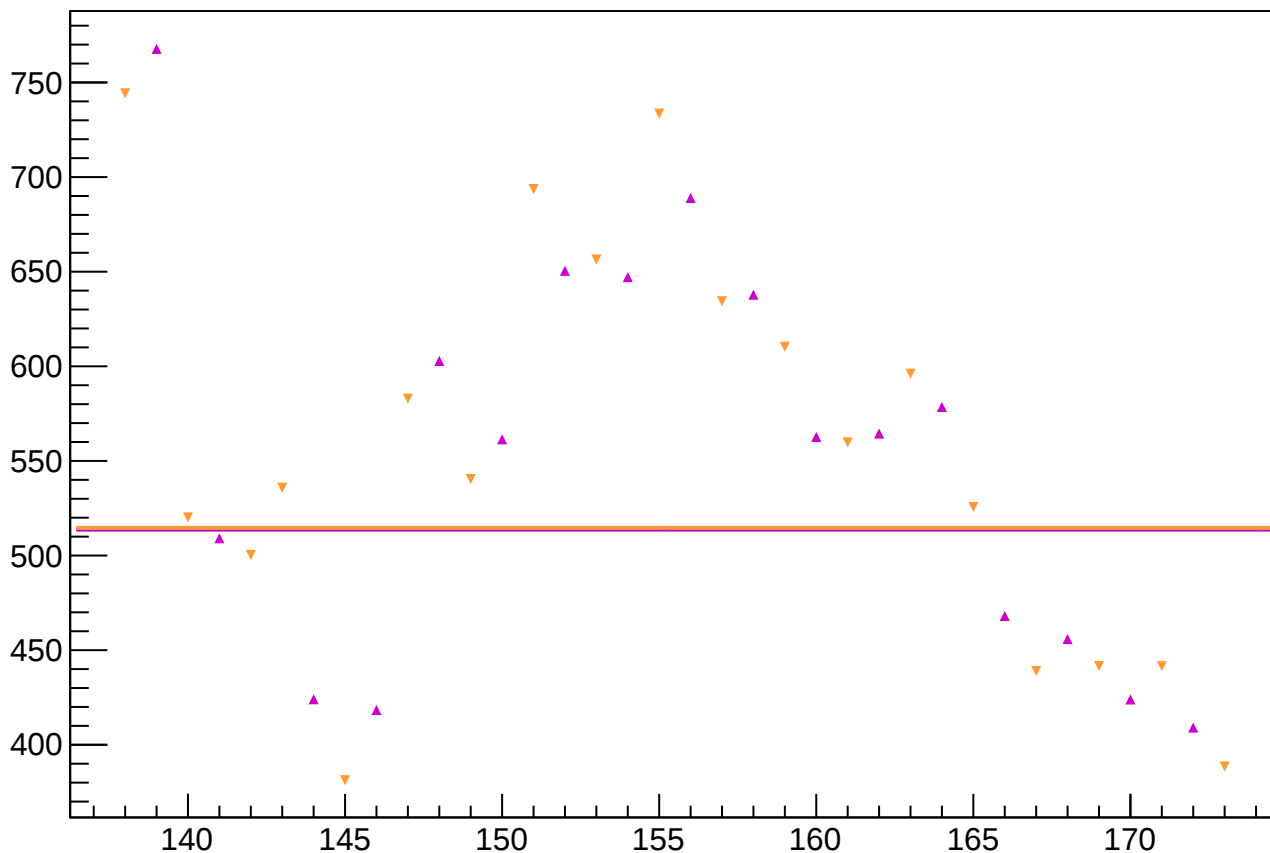
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 57.182+/-143.252 χ^2/NDF :16.2/16

Out: -737.446+/-139.193 χ^2/NDF :57.5/18

All: -351.547+/-99.829 χ^2/NDF : 89.5/35

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 514.623+/-0.098 χ^2/NDF :1098794.9/18

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

Left In: 513.706+/-0.101 χ^2/NDF :938048.7/16

Left: 514.178+/-0.071 χ^2/NDF : 2036885.7/35

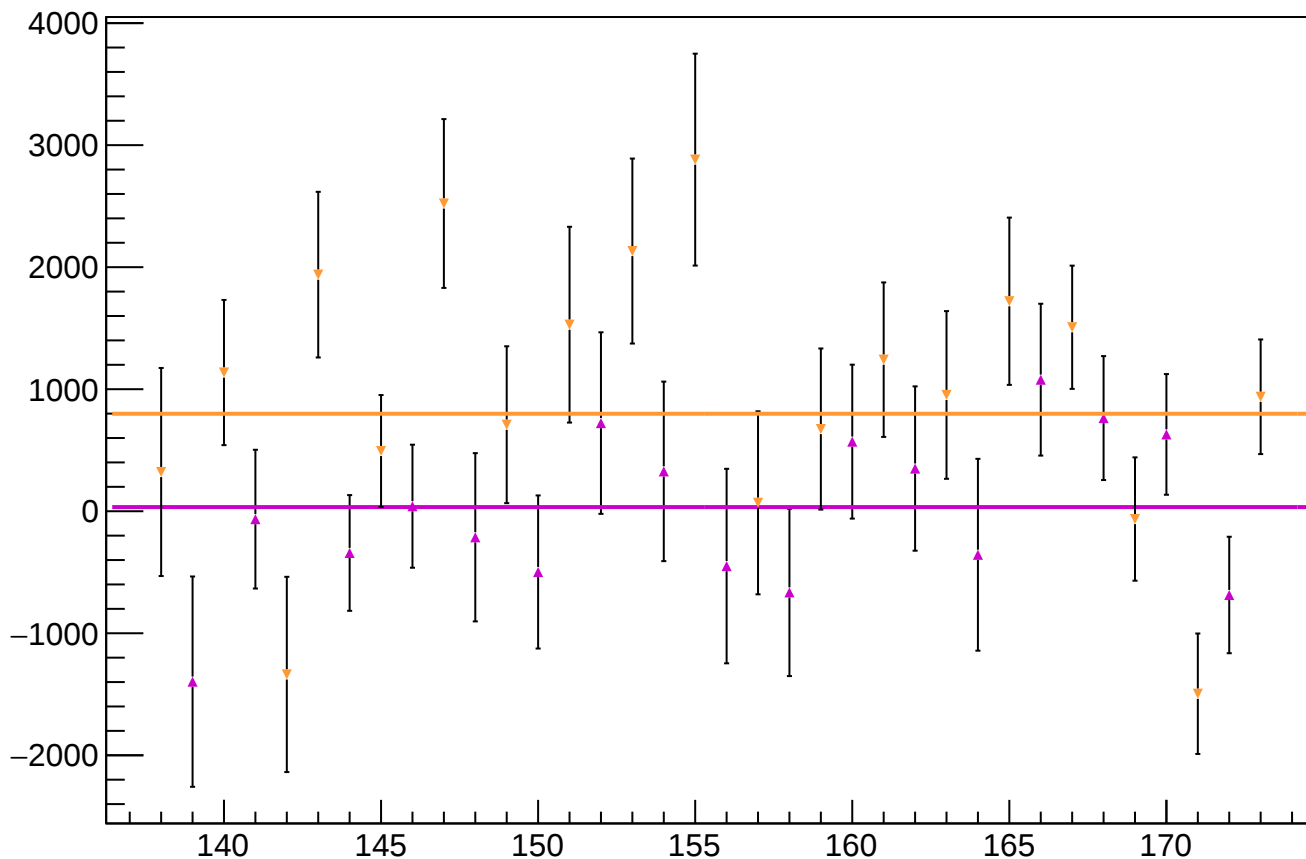
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 513.706+/-0.101 χ^2/NDF :938048.7/16

Out: 514.623+/-0.098 χ^2/NDF :1098794.9/18

All: 514.178+/-0.071 χ^2/NDF : 2036885.7/35

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 798.902+/-142.694 χ^2/NDF :56.8/18

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

Left In: 33.988+/-147.280 χ^2/NDF :16.5/16

Left: 428.538+/-102.483 χ^2/NDF : 87.2/35

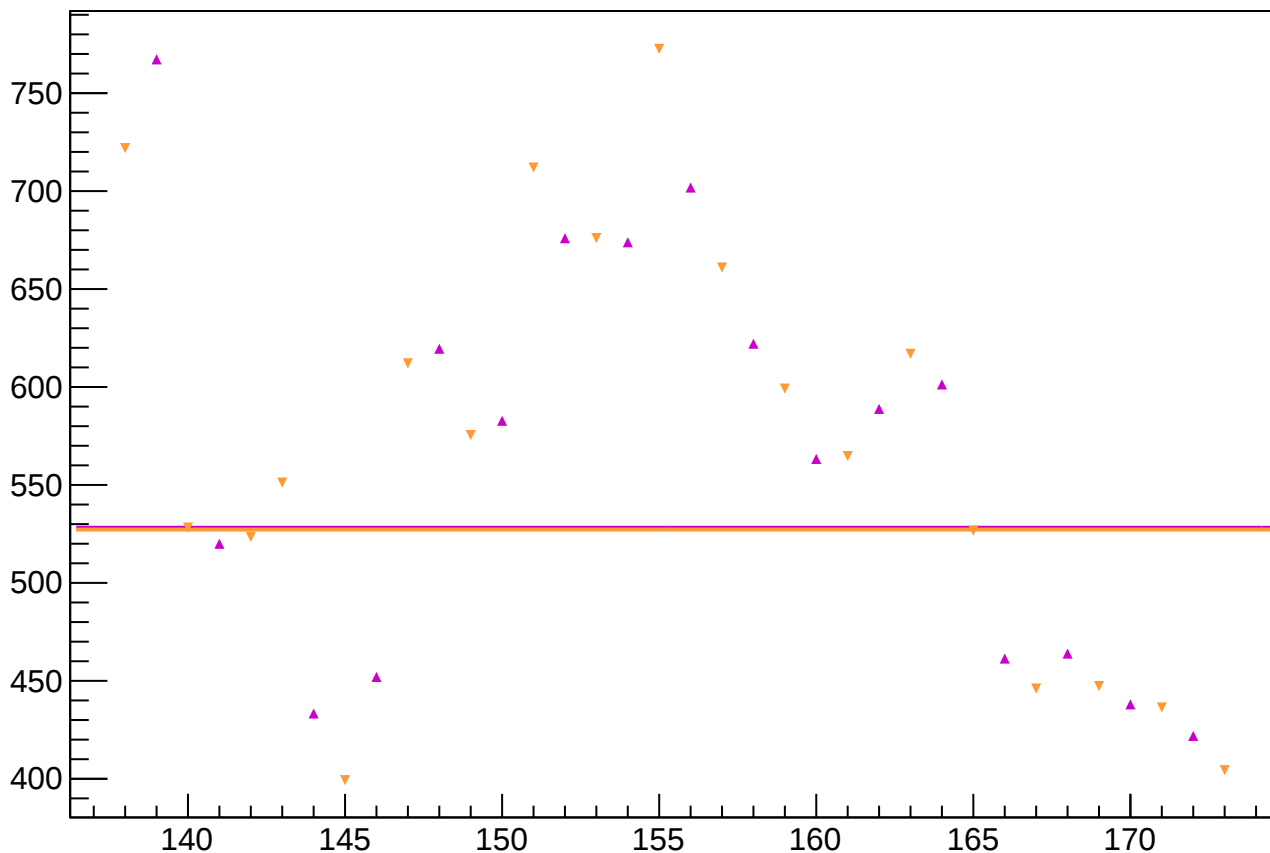
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 33.988+/-147.280 χ^2/NDF :16.5/16

Out: 798.902+/-142.694 χ^2/NDF :56.8/18

All: 428.538+/-102.483 χ^2/NDF : 87.2/35

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 527.204+/-0.101 χ^2/NDF :1081476.9/18

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

Left In: 528.148+/-0.104 χ^2/NDF :880590.2/16

Left: 527.661+/-0.072 χ^2/NDF : 1962109.4/35

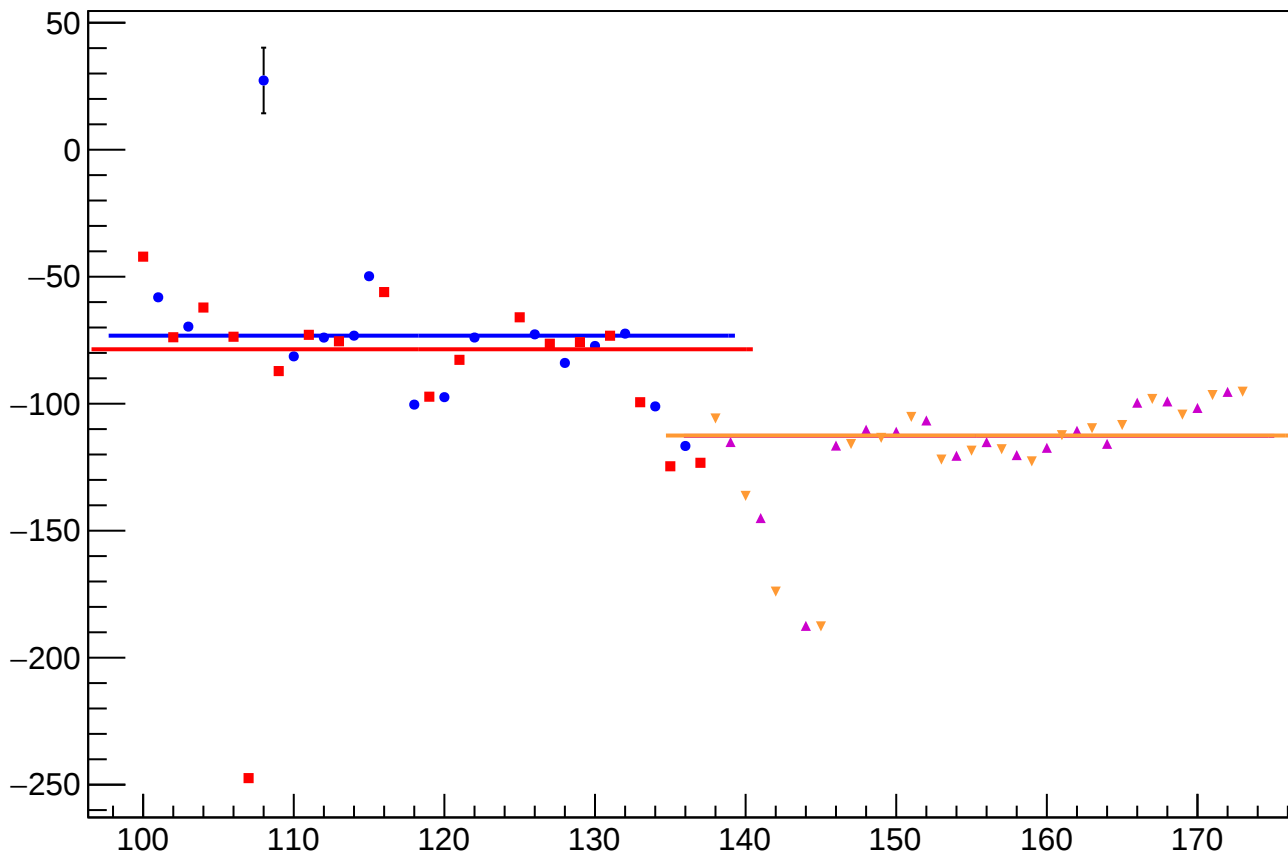
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 528.148+/-0.104 χ^2/NDF :880590.2/16

Out: 527.204+/-0.101 χ^2/NDF :1081476.9/18

All: 527.661+/-0.072 χ^2/NDF : 1962109.4/35

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -73.209 ± 0.000 $\chi^2/\text{NDF}: 127655.5/15$

Left Out: -112.528 ± 0.061 $\chi^2/\text{NDF}: 47026.0/17$

Right Out: -78.570 ± 0.093 $\chi^2/\text{NDF}: 52084.9/17$

Left In: -112.678 ± 0.057 $\chi^2/\text{NDF}: 78254.6/16$

Left: -112.609 ± 0.042 $\chi^2/\text{NDF}: 125283.8/34$

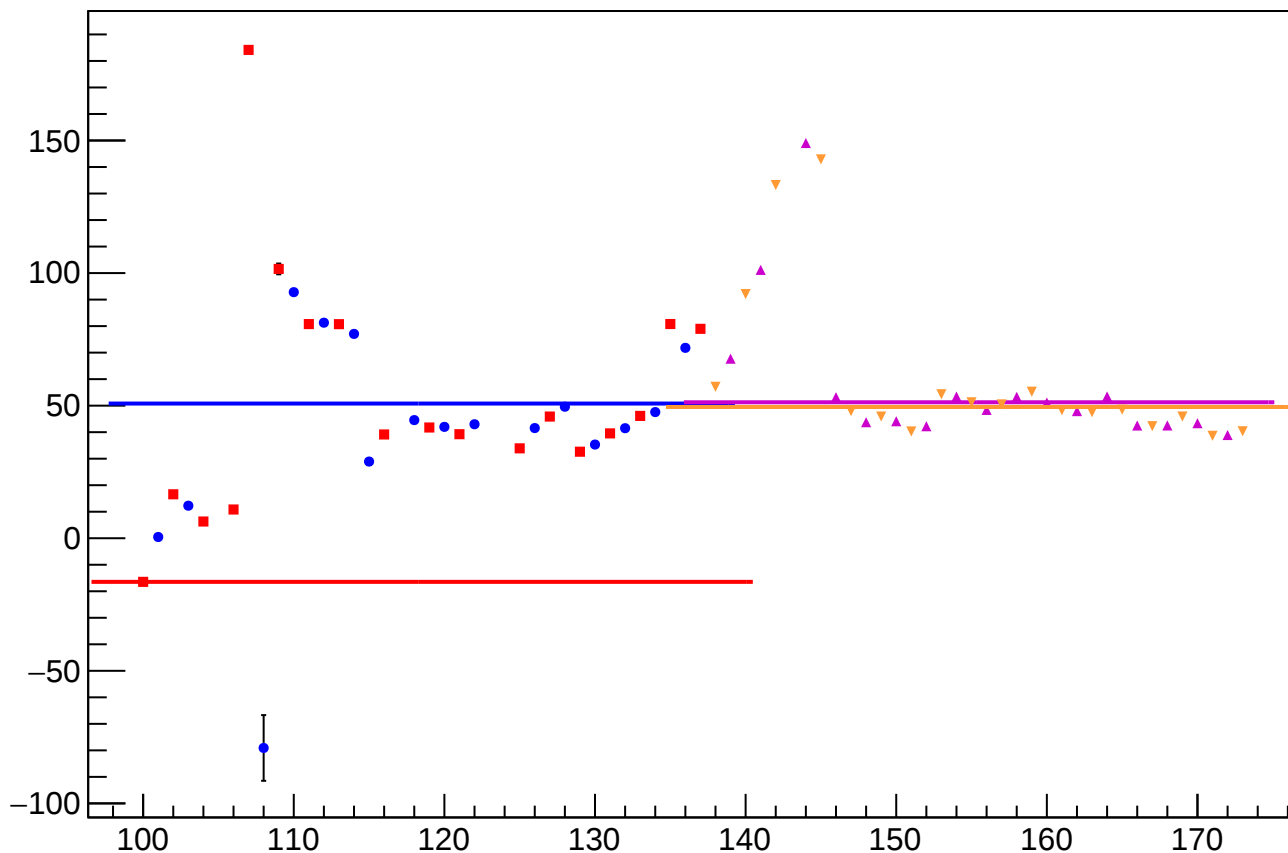
Right: -73.209 ± 0.000 $\chi^2/\text{NDF}: 183067.5/33$

In: -73.209 ± 0.000 $\chi^2/\text{NDF}: 687670.1/32$

Out: -102.341 ± 0.051 $\chi^2/\text{NDF}: 192580.2/35$

All: -73.209 ± 0.000 $\chi^2/\text{NDF}: 1207822.9/68$

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 50.796+/-0.074 χ^2/NDF : 89943.6/15

Left Out: 49.498+/-0.050 χ^2/NDF :53354.4/17

Right Out: -16.452+/-0.000 χ^2/NDF : 455268.5/17

Left In: 51.274+/-0.049 χ^2/NDF :129140.2/16

Left: 50.407+/-0.035 χ^2/NDF : 183134.1/34

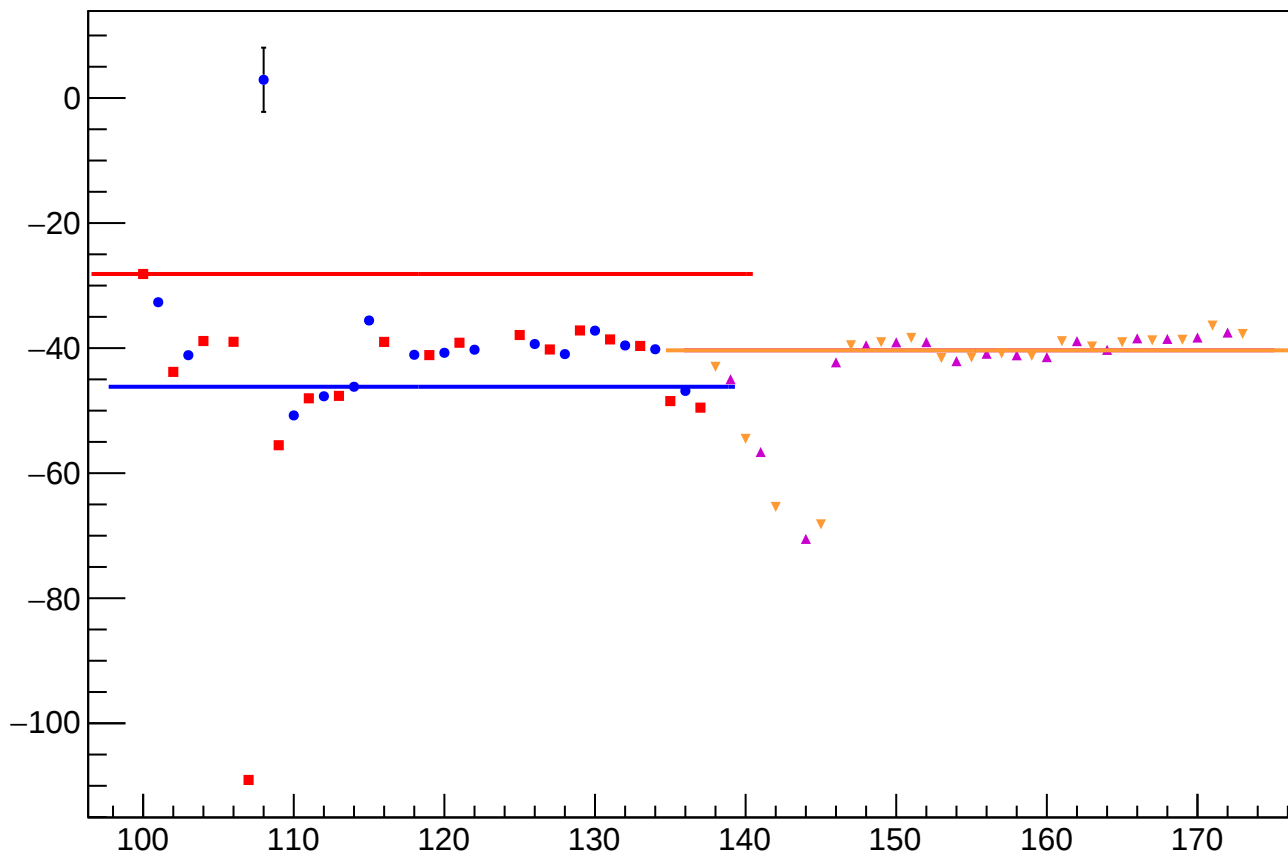
Right: -16.452+/-0.000 χ^2/NDF : 1366073.0/33

In: 51.129+/-0.041 χ^2/NDF :219112.6/32

Out: -16.452+/-0.000 χ^2/NDF :2230805.7/35

All: -16.452+/-0.000 χ^2/NDF : 5176711.3/68

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.180 ± 0.000 $\chi^2/\text{NDF}: 472878.7/15$

Left Out: -40.355 ± 0.007 $\chi^2/\text{NDF}: 112250.4/17$

Right Out: -28.144 ± 0.000 $\chi^2/\text{NDF}: 717935.6/17$

Left In: -40.345 ± 0.008 $\chi^2/\text{NDF}: 172783.7/16$

Left: -40.351 ± 0.005 $\chi^2/\text{NDF}: 285034.9/34$

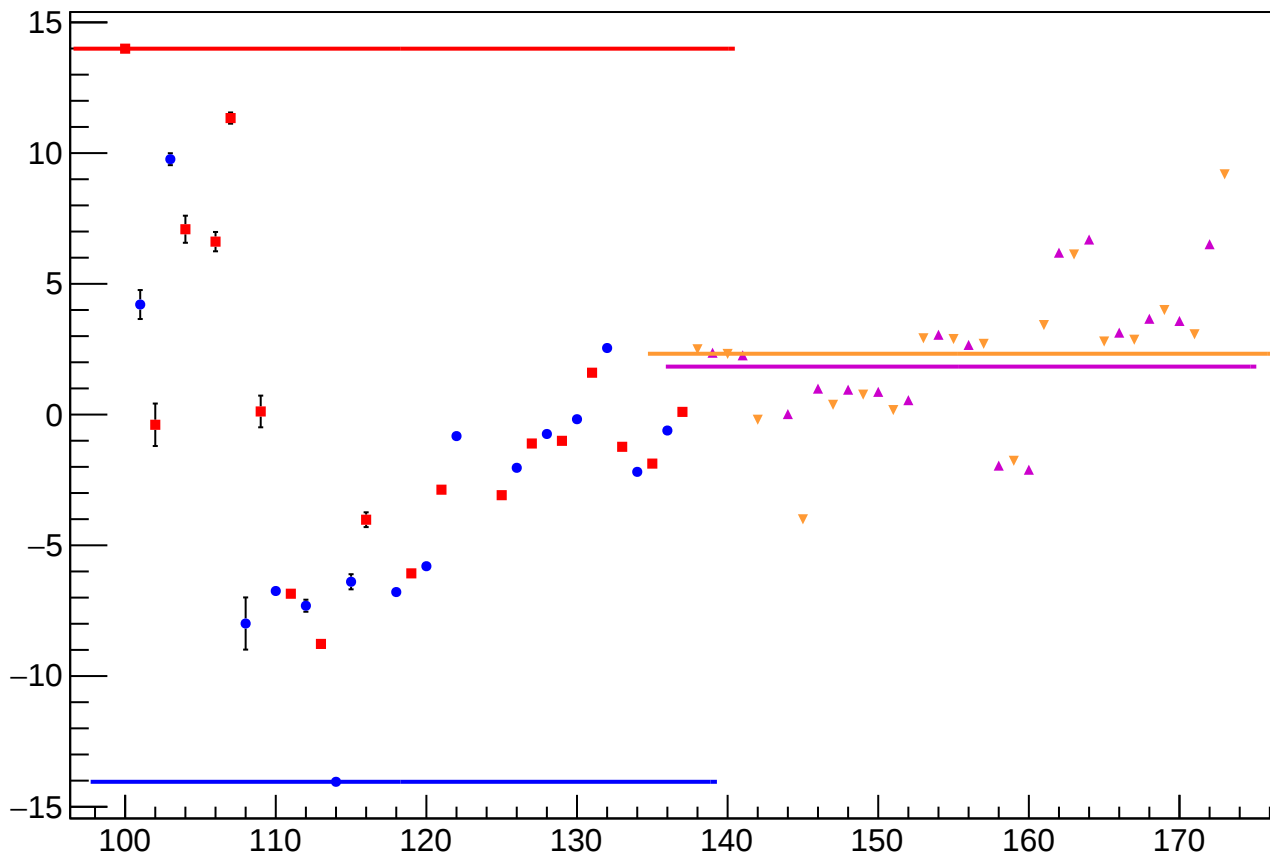
Right: -33.813 ± 0.000 $\chi^2/\text{NDF}: 539977182263583$

In: -46.180 ± 0.000 $\chi^2/\text{NDF}: 1141199.1/32$

Out: -28.144 ± 0.000 $\chi^2/\text{NDF}: 3627594.8/35$

All: -33.813 ± 0.000 $\chi^2/\text{NDF}: 539977182263$

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -14.044 ± 0.000 $\chi^2/\text{NDF}: 759846.3/15$

Left Out: 2.327 ± 0.008 $\chi^2/\text{NDF}: 82012.8/17$

Right Out: 13.994 ± 0.000 $\chi^2/\text{NDF}: 389892.9/17$

Left In: 1.834 ± 0.008 $\chi^2/\text{NDF}: 85140.6/16$

Left: 2.073 ± 0.006 $\chi^2/\text{NDF}: 169025.5/34$

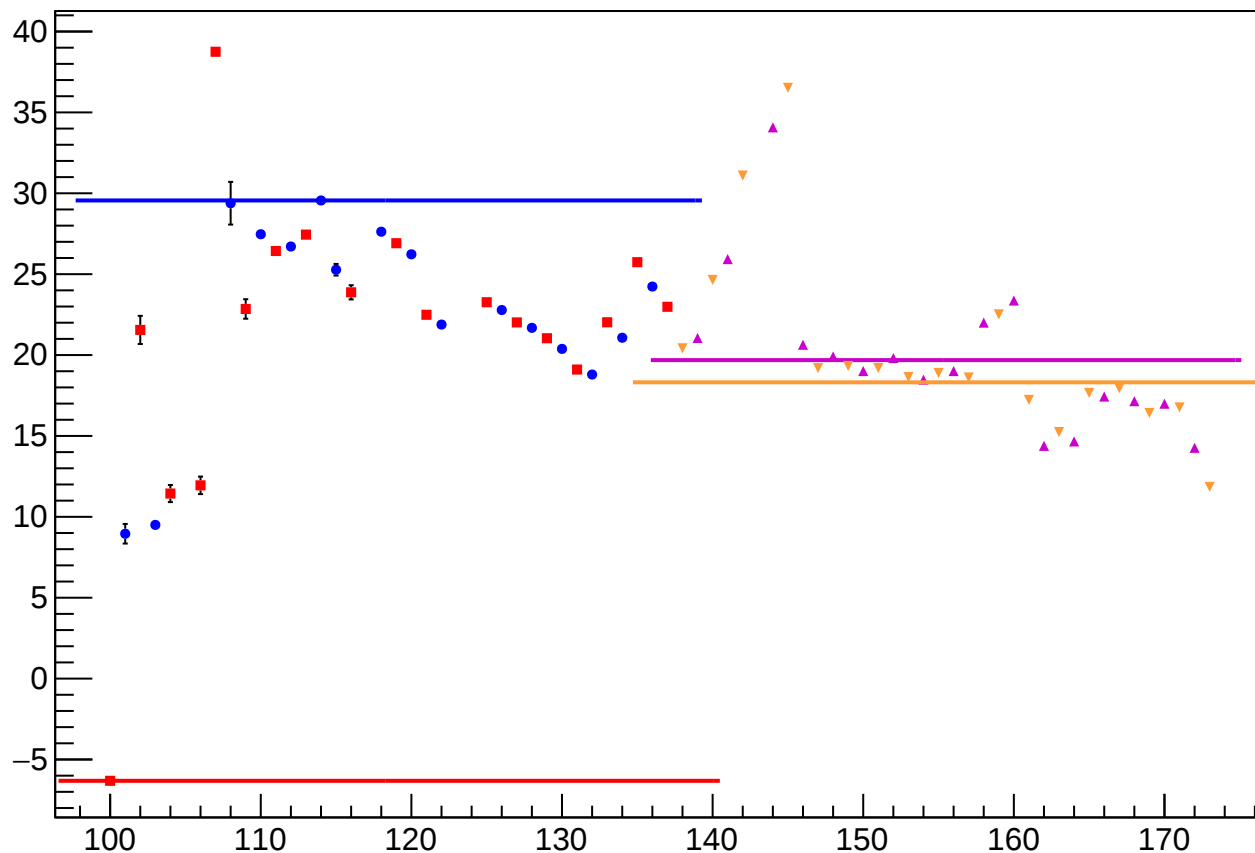
Right: 5.182 ± 0.000 $\chi^2/\text{NDF}: 46979633245184581$

In: -14.044 ± 0.000 $\chi^2/\text{NDF}: 4872671.4/32$

Out: 13.994 ± 0.000 $\chi^2/\text{NDF}: 2511037.2/35$

All: 5.182 ± 0.000 $\chi^2/\text{NDF}: 46979633245184$

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 29.557+/-0.000 χ^2/NDF : 88755.1/15

Left Out: 18.315+/-0.008 χ^2/NDF : 74126.6/17

Right Out: -6.317+/-0.000 χ^2/NDF : 1630502.4/17

Left In: 19.688+/-0.008 χ^2/NDF : 101403.5/16

Left: 19.026+/-0.006 χ^2/NDF : 189333.6/34

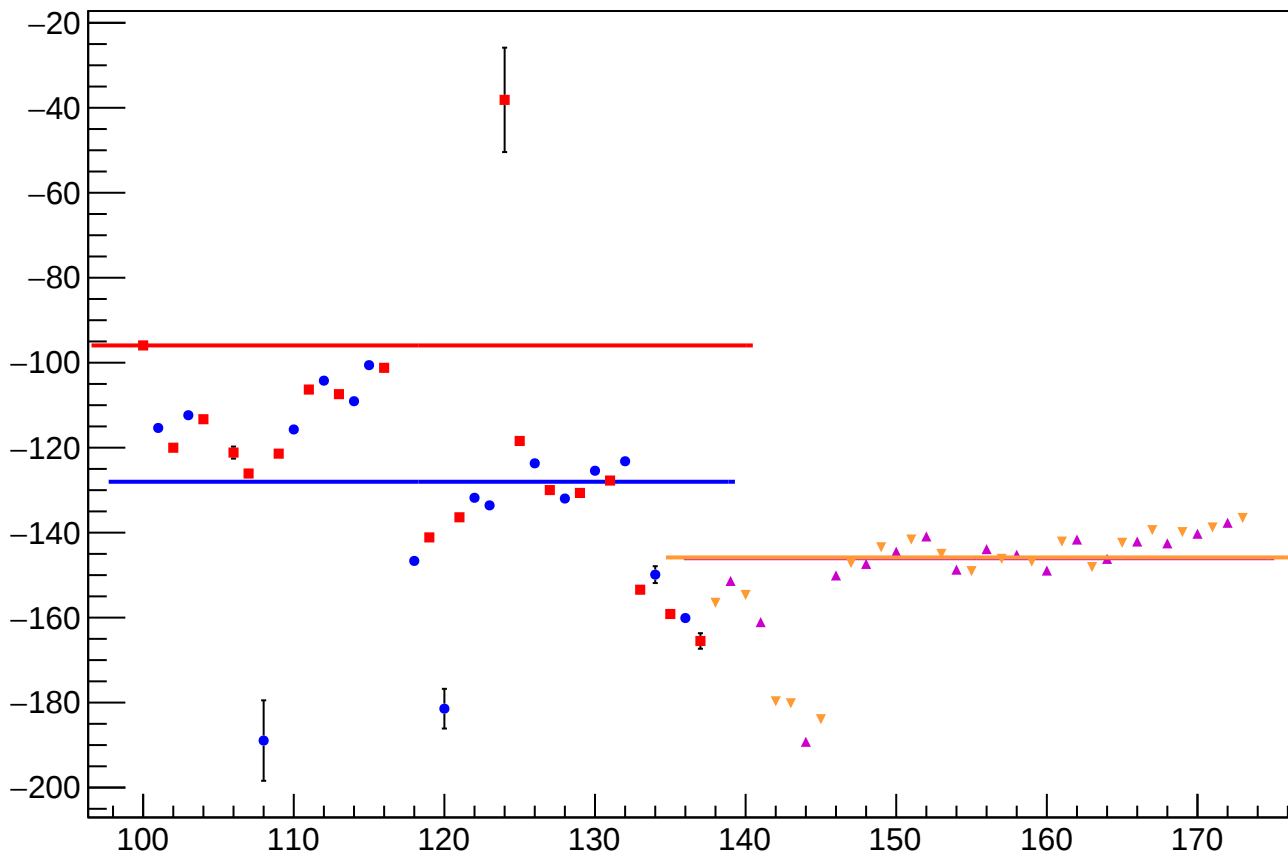
Right: -2.629+/-0.000 χ^2/NDF : 1006300357398160

In: 29.557+/-0.000 χ^2/NDF : 1668350.7/32

Out: -6.317+/-0.000 χ^2/NDF : 10288156.8/35

All: -2.629+/-0.000 χ^2/NDF : 1006300357398

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -128.021 ± 0.098 χ^2/NDF : 38162.5/16

Left Out: -145.835 ± 0.049 χ^2/NDF : 38479.9/18

Right Out: -95.934 ± 0.000 χ^2/NDF : 168284.2/18

Left In: -146.019 ± 0.051 χ^2/NDF : 26831.9/16

Left: -145.924 ± 0.036 χ^2/NDF : 65318.5/35

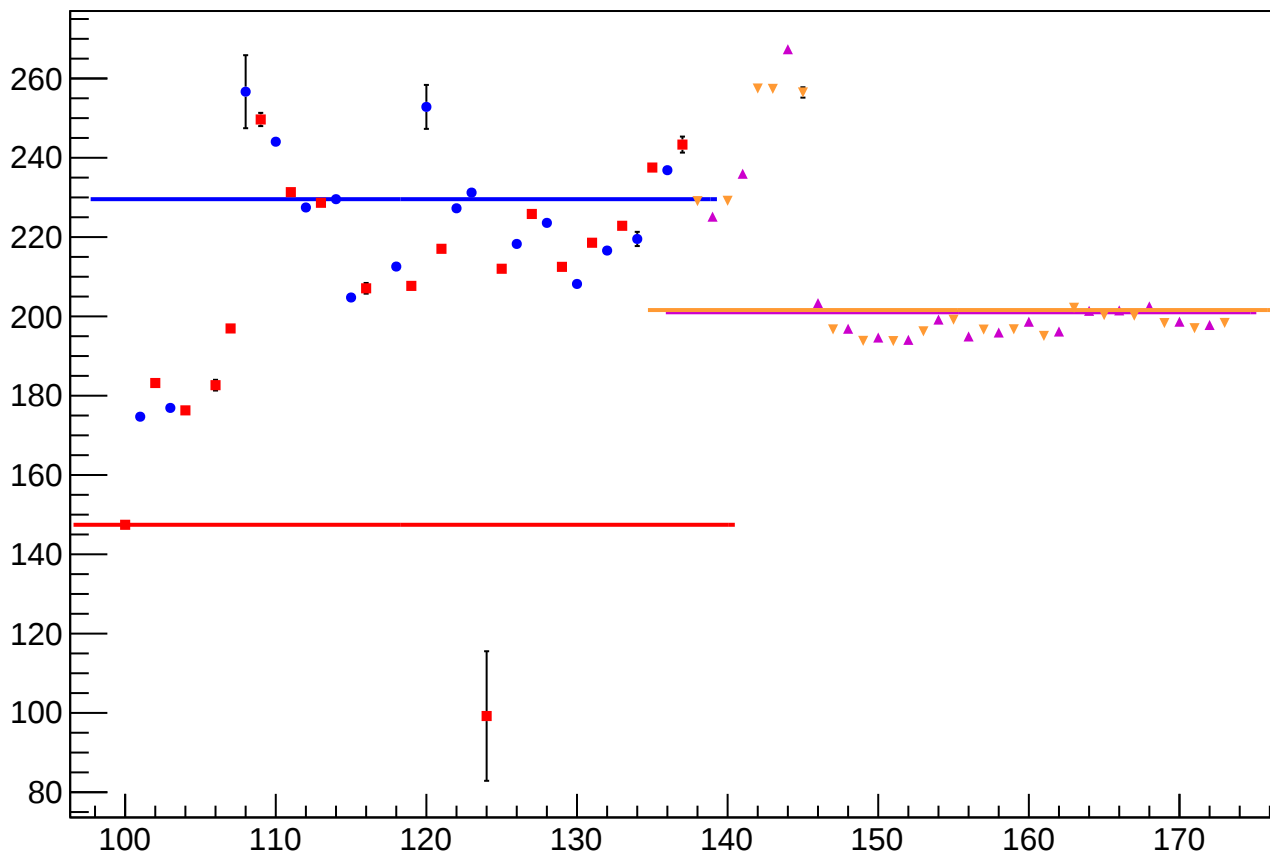
Right: -95.934 ± 0.000 χ^2/NDF : 313037.7/35

In: -142.182 ± 0.045 χ^2/NDF : 91382.6/33

Out: -95.934 ± 0.000 χ^2/NDF : 1224544.8/37

All: -95.934 ± 0.000 χ^2/NDF : 2354670.9/71

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 229.560 $\pm$ 0.000 χ^2 /NDF: 37813.1/16

Left Out: 201.598 $\pm$ 0.042 χ^2 /NDF:105687.9/18

Right Out: 147.445 $\pm$ 0.000 χ^2 /NDF: 546753.3/18

Left In: 201.036 $\pm$ 0.044 χ^2 /NDF:76771.5/16

Left: 201.331 $\pm$ 0.031 χ^2 /NDF: 182543.9/35

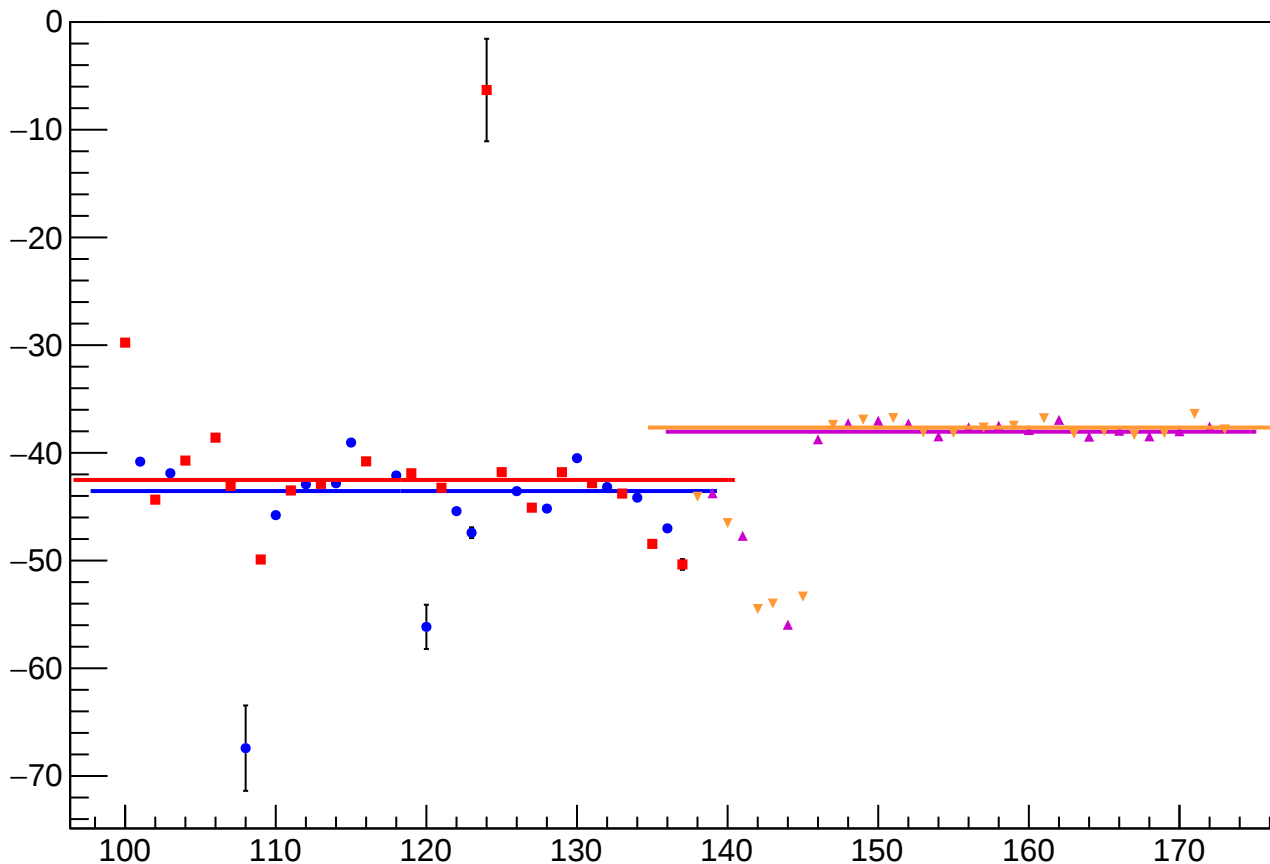
Right: 173.253 $\pm$ 0.000 χ^2 /NDF: 157405034293311

In: 229.560 $\pm$ 0.000 χ^2 /NDF:530007.0/33

Out: 147.445 $\pm$ 0.000 χ^2 /NDF:2304814.3/37

All: 173.253 $\pm$ 0.000 χ^2 /NDF: 157405034293

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -43.546 ± 0.023 $\chi^2/\text{NDF}: 12997.3/16$

Left Out: -37.648 ± 0.004 $\chi^2/\text{NDF}: 245752.1/18$

Right Out: -42.515 ± 0.021 $\chi^2/\text{NDF}: 7216.9/18$

Left In: -38.037 ± 0.005 $\chi^2/\text{NDF}: 133757.3/16$

Left: -37.819 ± 0.003 $\chi^2/\text{NDF}: 383215.5/35$

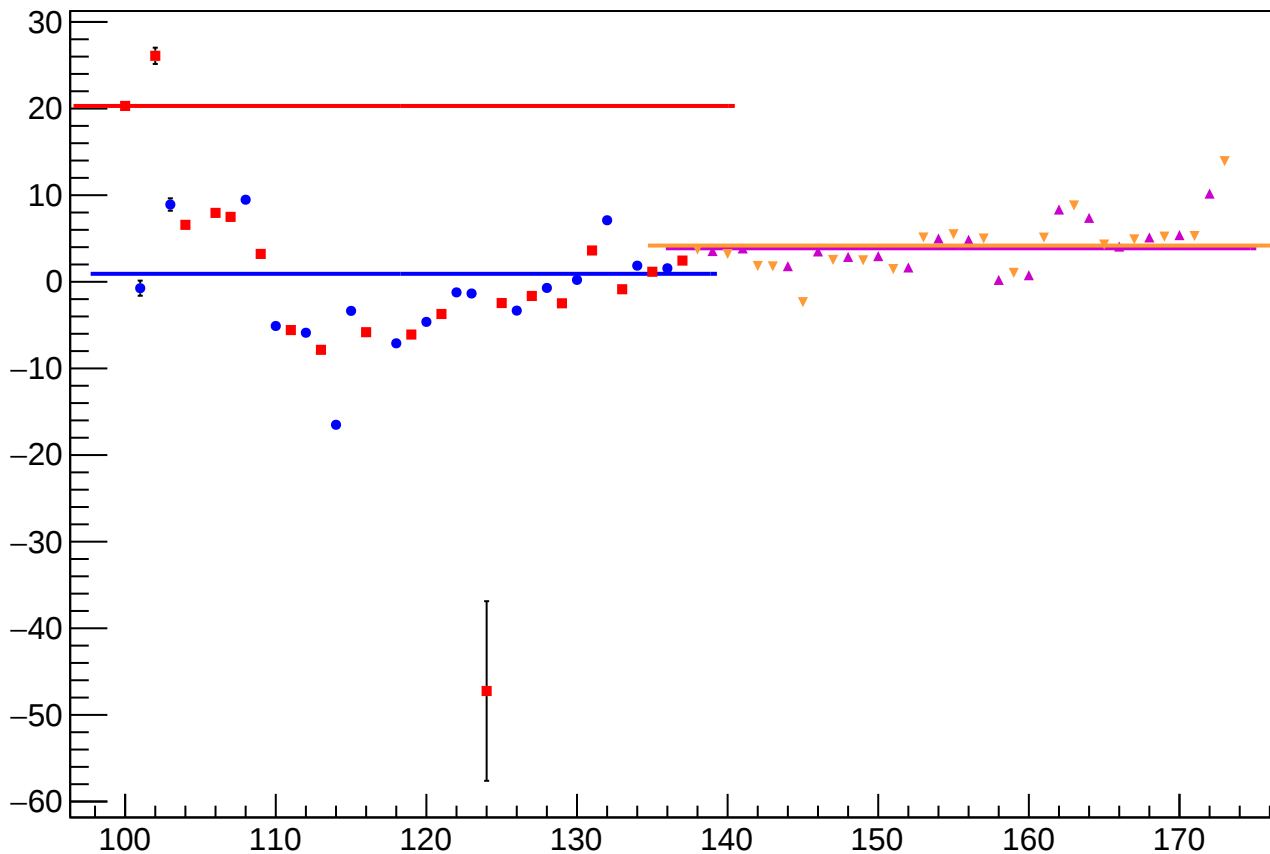
Right: -42.980 ± 0.015 $\chi^2/\text{NDF}: 21321.7/35$

In: -38.266 ± 0.005 $\chi^2/\text{NDF}: 201886.9/33$

Out: -37.842 ± 0.004 $\chi^2/\text{NDF}: 305460.3/37$

All: -38.029 ± 0.003 $\chi^2/\text{NDF}: 511933.0/71$

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: 0.923 ± 0.020 $\chi^2/\text{NDF}: 21353.5/16$

Left Out: 4.186 ± 0.006 $\chi^2/\text{NDF}: 97535.7/18$

Right Out: 20.304 ± 0.000 $\chi^2/\text{NDF}: 918407.4/18$

Left In: 3.869 ± 0.008 $\chi^2/\text{NDF}: 68242.4/16$

Left: 4.057 ± 0.005 $\chi^2/\text{NDF}: 166758.5/35$

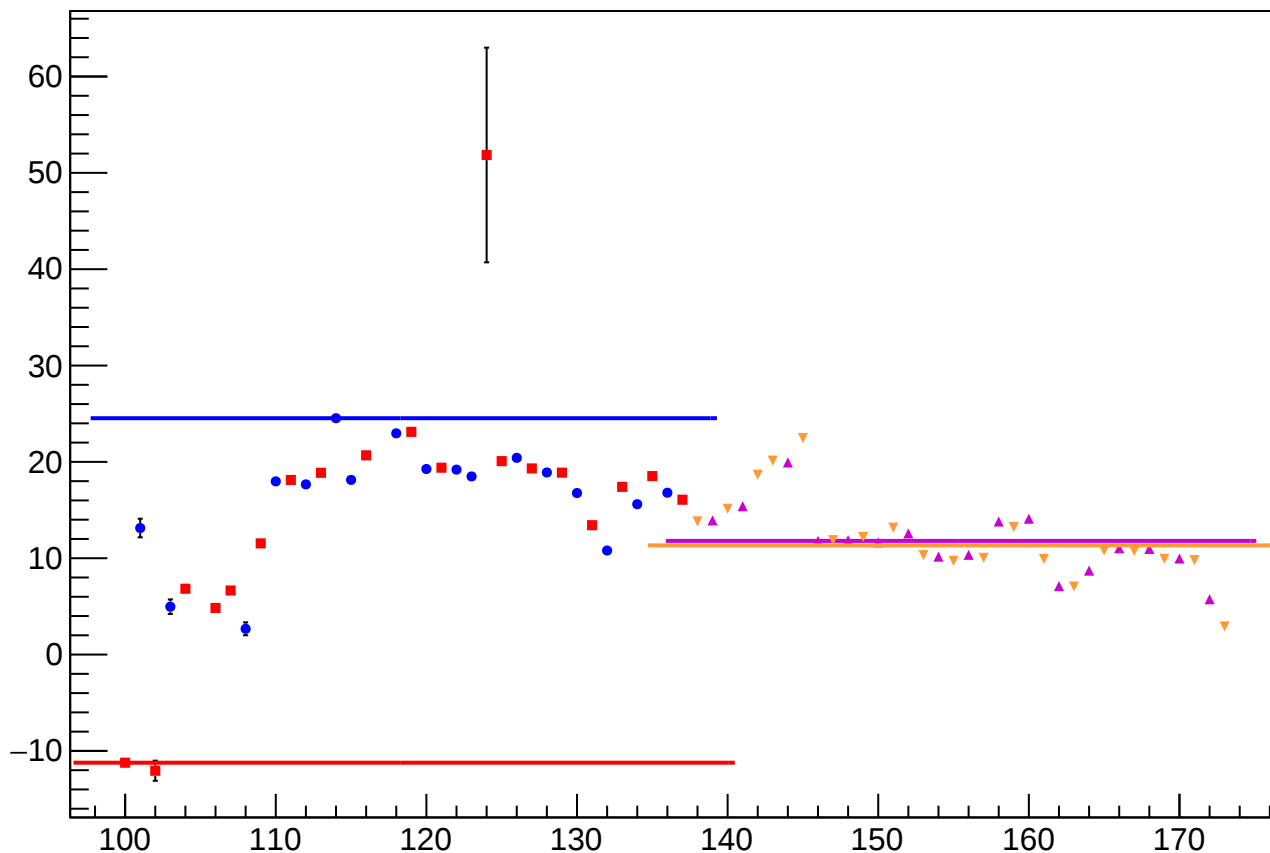
Right: 20.304 ± 0.000 $\chi^2/\text{NDF}: 1860705.2/35$

In: 3.485 ± 0.007 $\chi^2/\text{NDF}: 108089.1/33$

Out: 20.304 ± 0.000 $\chi^2/\text{NDF}: 7255200.8/37$

All: 20.304 ± 0.000 $\chi^2/\text{NDF}: 12682422.3/71$

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 24.533+/-0.000 χ^2/NDF : 119839.5/16

Left Out: 11.333+/-0.008 χ^2/NDF : 100288.9/18

Right Out: -11.224+/-0.000 χ^2/NDF : 2204048.4/18

Left In: 11.798+/-0.010 χ^2/NDF : 49948.6/16

Left: 11.532+/-0.006 χ^2/NDF : 151549.2/35

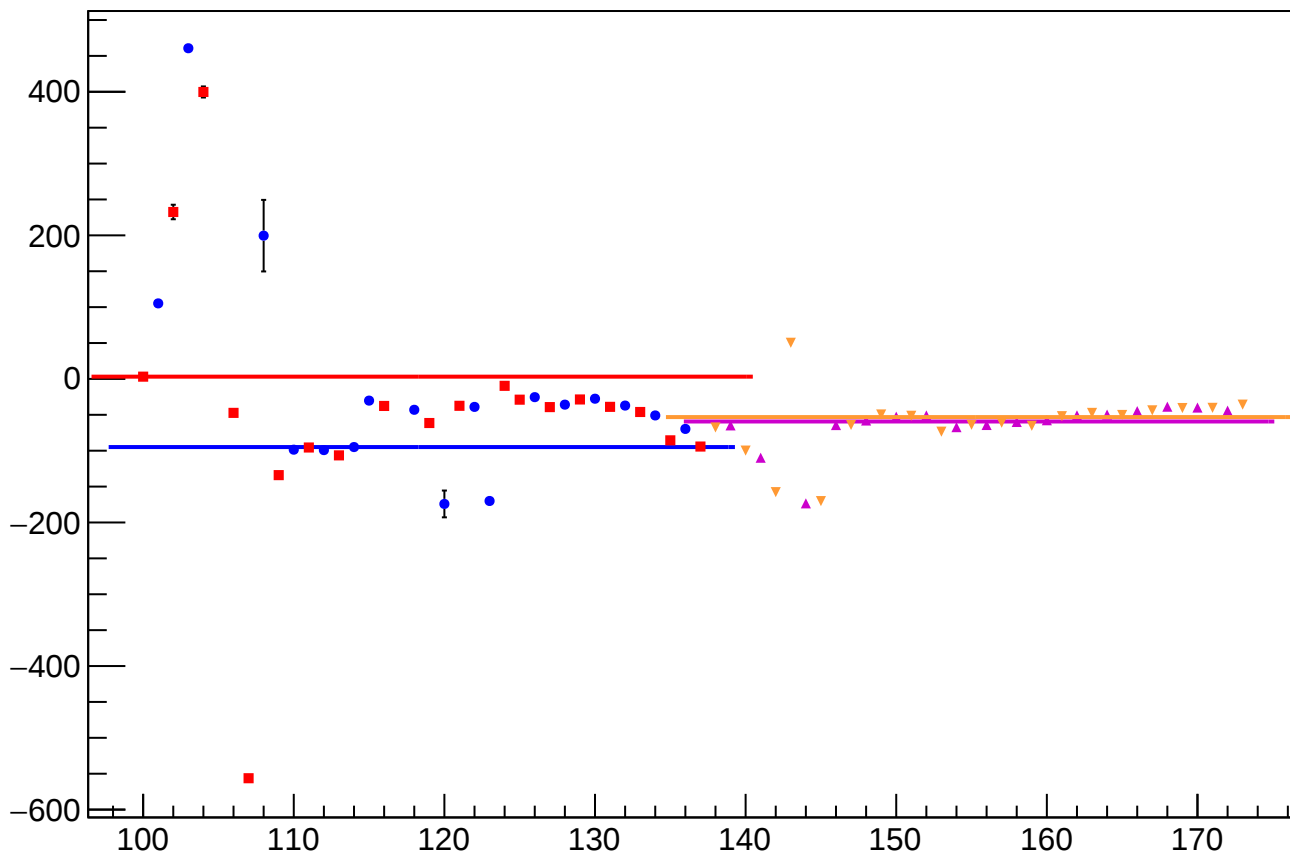
Right: -7.548+/-0.000 χ^2/NDF : 2499340702901629

In: 24.533+/-0.000 χ^2/NDF : 1885280.7/33

Out: -11.224+/-0.000 χ^2/NDF : 9532445.7/37

All: -7.548+/-0.000 χ^2/NDF : 2499340702901

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -94.927 ± 0.000 $\chi^2/\text{NDF}: 718777.6/16$

Left Out: -53.169 ± 0.096 $\chi^2/\text{NDF}: 51640.8/18$

Right Out: 3.148 ± 0.000 $\chi^2/\text{NDF}: 61196784.3/18$

Left In: -59.316 ± 0.116 $\chi^2/\text{NDF}: 49240.1/16$

Left: -55.671 ± 0.074 $\chi^2/\text{NDF}: 102543.7/35$

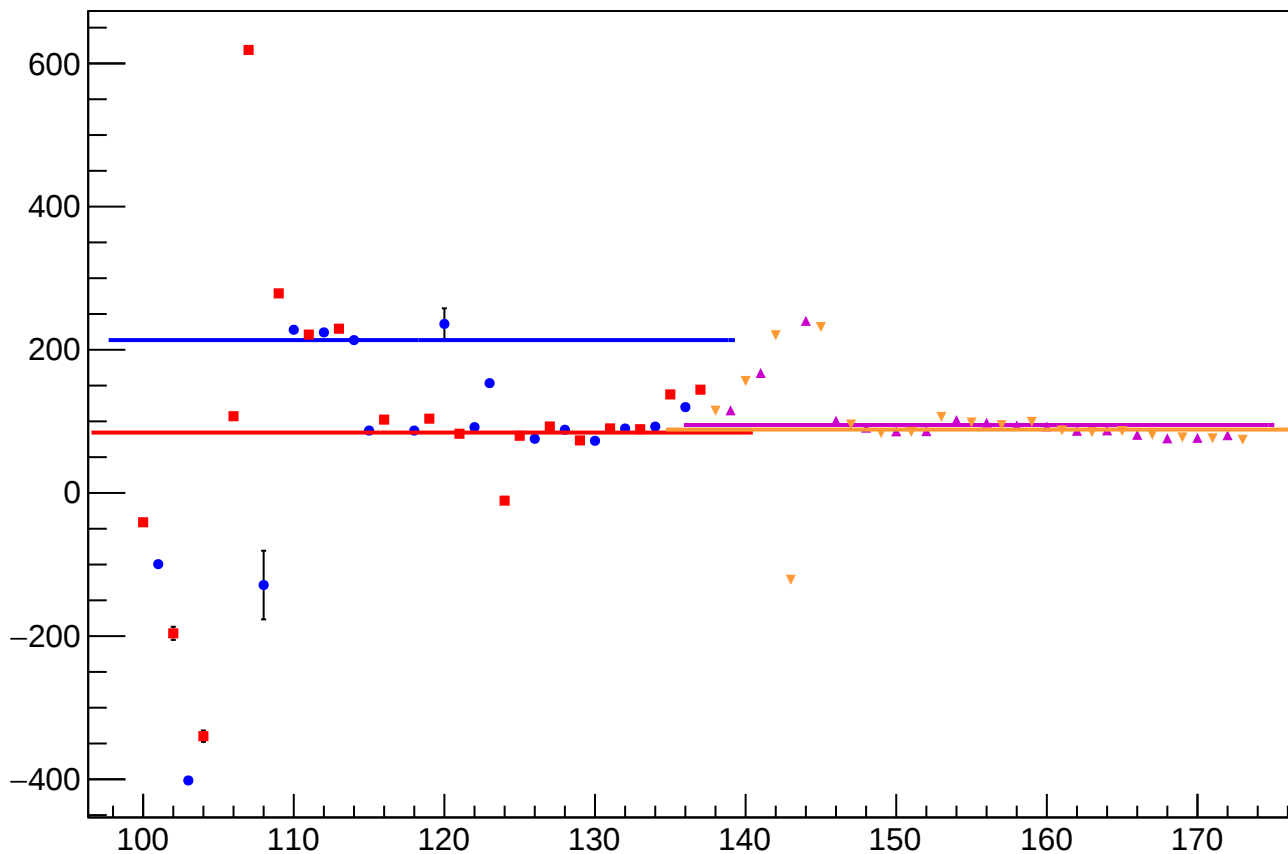
Right: 2.973 ± 0.000 $\chi^2/\text{NDF}: 52299232074263321$

In: -94.927 ± 0.000 $\chi^2/\text{NDF}: 862157.4/33$

Out: 3.148 ± 0.000 $\chi^2/\text{NDF}: 61591451.2/37$

All: 2.973 ± 0.000 $\chi^2/\text{NDF}: 52299232074263$

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 213.523 $\pm$ 0.000 χ^2 /NDF: 2690617.8/16

Left Out: 88.524 $\pm$ 0.085 χ^2 /NDF:157744.1/18

Right Out: 84.377 $\pm$ 0.176 χ^2 /NDF: 227868.3/18

Left In: 94.932 $\pm$ 0.101 χ^2 /NDF:71449.2/16

Left: 91.178 $\pm$ 0.065 χ^2 /NDF: 231571.4/35

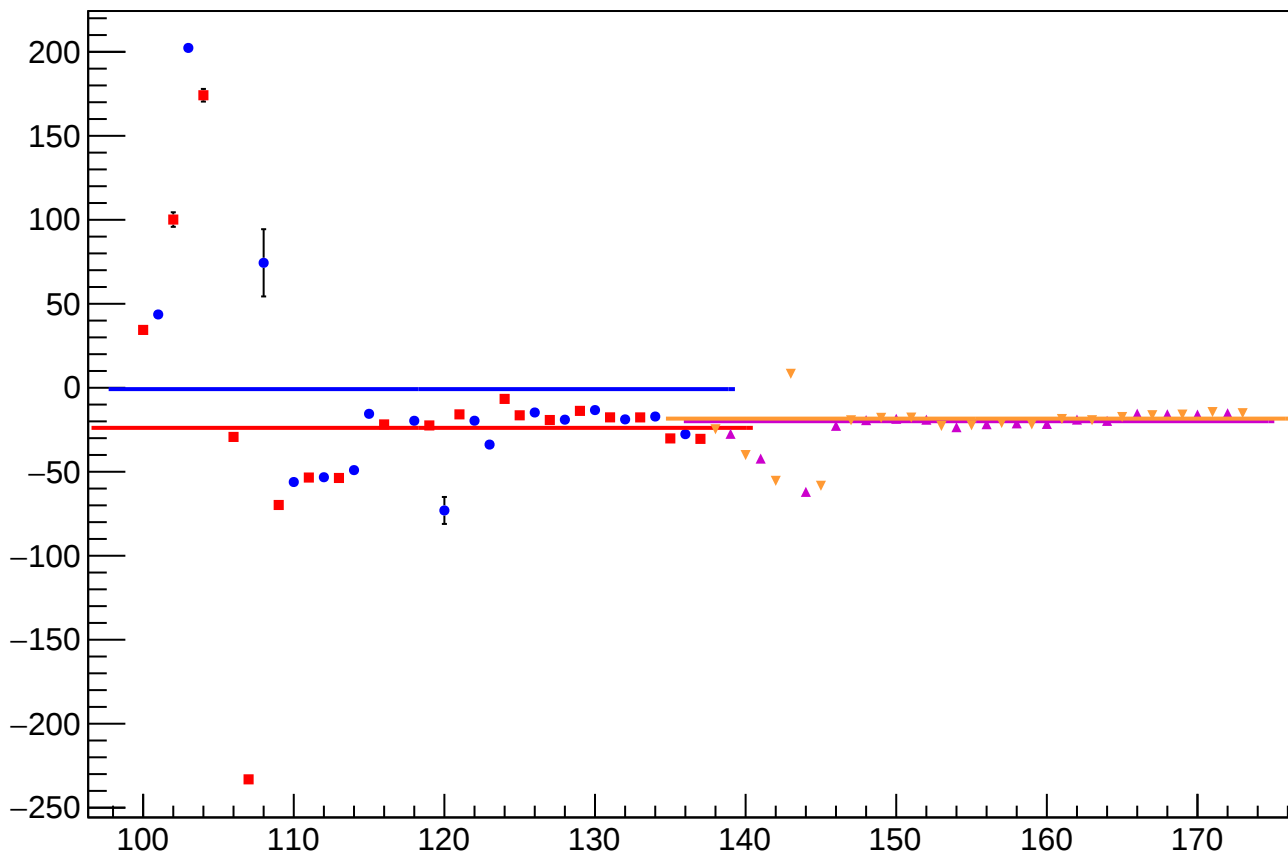
Right: 213.523 $\pm$ 0.000 χ^2 /NDF: 3455404.0/35

In: 213.523 $\pm$ 0.000 χ^2 /NDF:4152476.6/33

Out: 87.748 $\pm$ 0.076 χ^2 /NDF:386062.4/37

All: 213.523 $\pm$ 0.000 χ^2 /NDF: 7260009.2/71

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -0.799 ± 0.031 χ^2/NDF : 2816818.1/16

Left Out: -18.355 ± 0.011 χ^2/NDF : 583972.4/18

Right Out: -23.861 ± 0.044 χ^2/NDF : 200002.4/18

Left In: -19.904 ± 0.014 χ^2/NDF : 158607.3/16

Left: -18.956 ± 0.009 χ^2/NDF : 749640.7/35

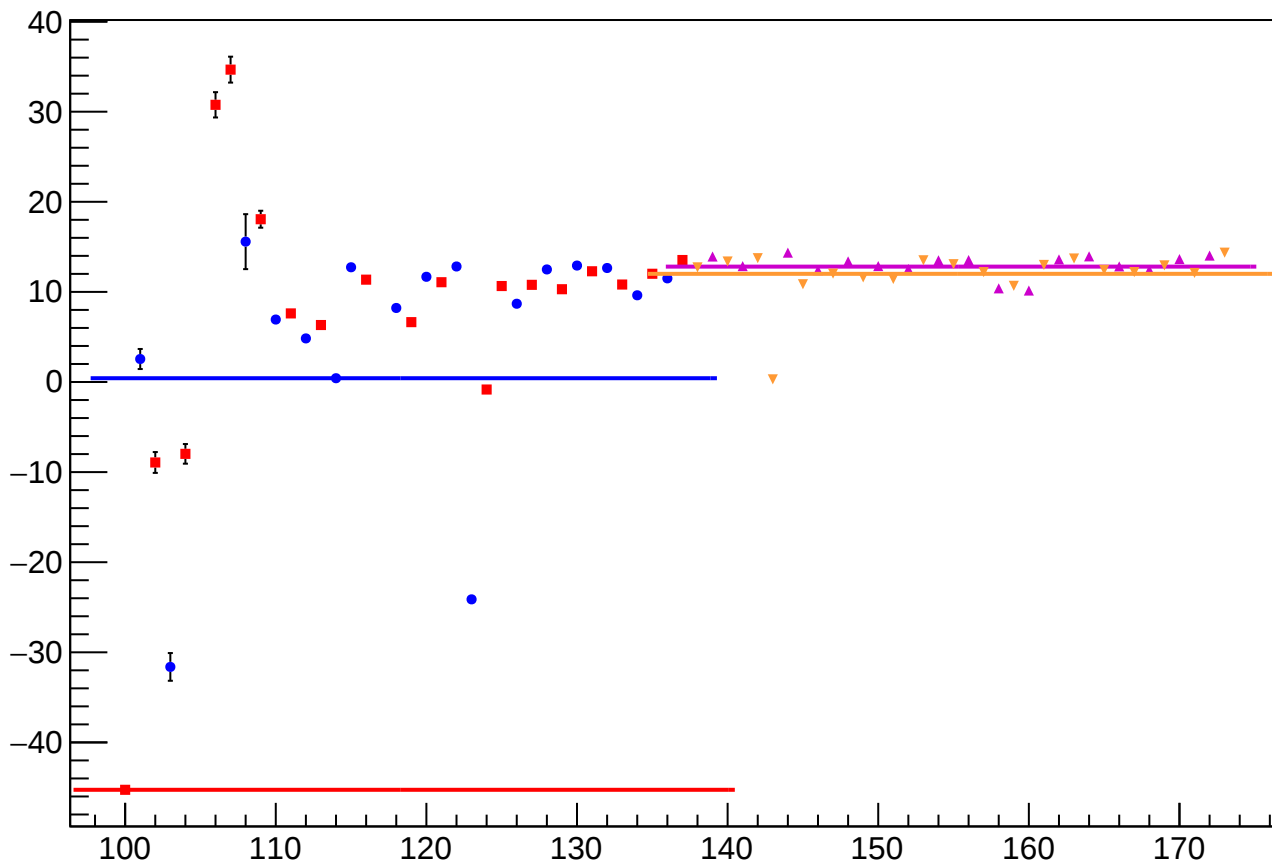
Right: -8.664 ± 0.025 χ^2/NDF : 3201437.1/35

In: -16.569 ± 0.013 χ^2/NDF : 3282050.9/33

Out: -18.713 ± 0.011 χ^2/NDF : 798907.4/37

All: -17.816 ± 0.008 χ^2/NDF : 4096548.7/71

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 0.420 ± 0.000 χ^2/NDF : 84744.6/16

Left Out: 12.005 ± 0.016 χ^2/NDF : 27518.7/18

Right Out: -45.259 ± 0.000 χ^2/NDF : 1298633.3/18

Left In: 12.806 ± 0.014 χ^2/NDF : 5560.5/16

Left: 12.455 ± 0.010 χ^2/NDF : 34550.1/35

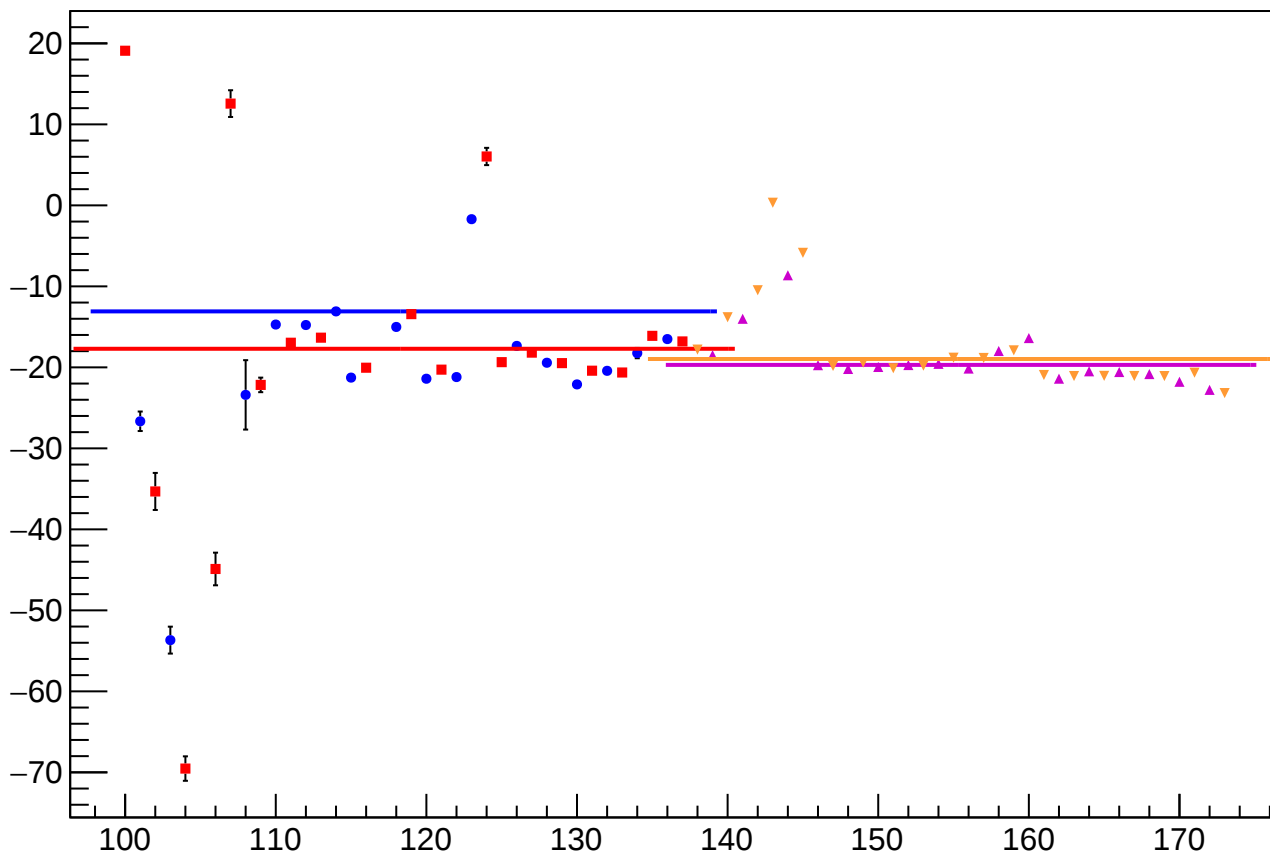
Right: 0.419 ± 0.000 χ^2/NDF : 24797052003265142

In: 0.420 ± 0.000 χ^2/NDF : 890368.7/33

Out: -45.259 ± 0.000 χ^2/NDF : 14695362.1/37

All: 0.419 ± 0.000 χ^2/NDF : 24797052003265

dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -13.090 ± 0.000 χ^2/NDF : 30071.6/16

Left Out: -18.968 ± 0.018 χ^2/NDF : 51540.6/18

Right Out: -17.705 ± 0.048 χ^2/NDF : 14635.4/18

Left In: -19.696 ± 0.017 χ^2/NDF : 12684.3/16

Left: -19.343 ± 0.012 χ^2/NDF : 65091.3/35

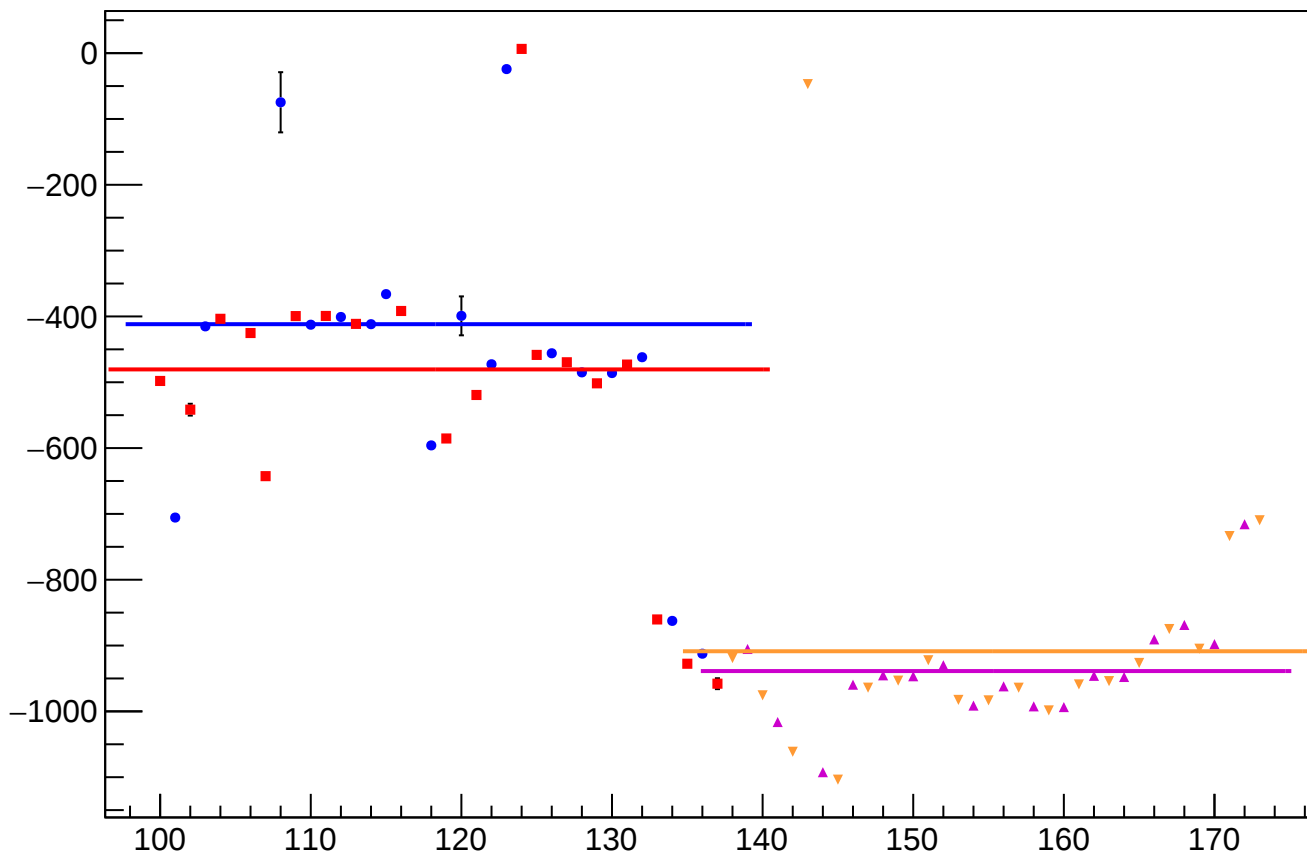
Right: -13.090 ± 0.000 χ^2/NDF : 53991.0/35

In: -13.090 ± 0.000 χ^2/NDF : 189985.1/33

Out: -18.815 ± 0.017 χ^2/NDF : 66786.9/37

All: -13.090 ± 0.000 χ^2/NDF : 374986.8/71

dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -411.771+/-0.000 χ^2/NDF : 984974.9/16

Left Out: -908.661+/-0.166 χ^2/NDF : 534389.9/18

Right Out: -480.481+/-0.166 χ^2/NDF : 596807.0/18

Left In: -938.761+/-0.171 χ^2/NDF : 205035.1/16

Left: -923.209+/-0.119 χ^2/NDF : 755371.4/35

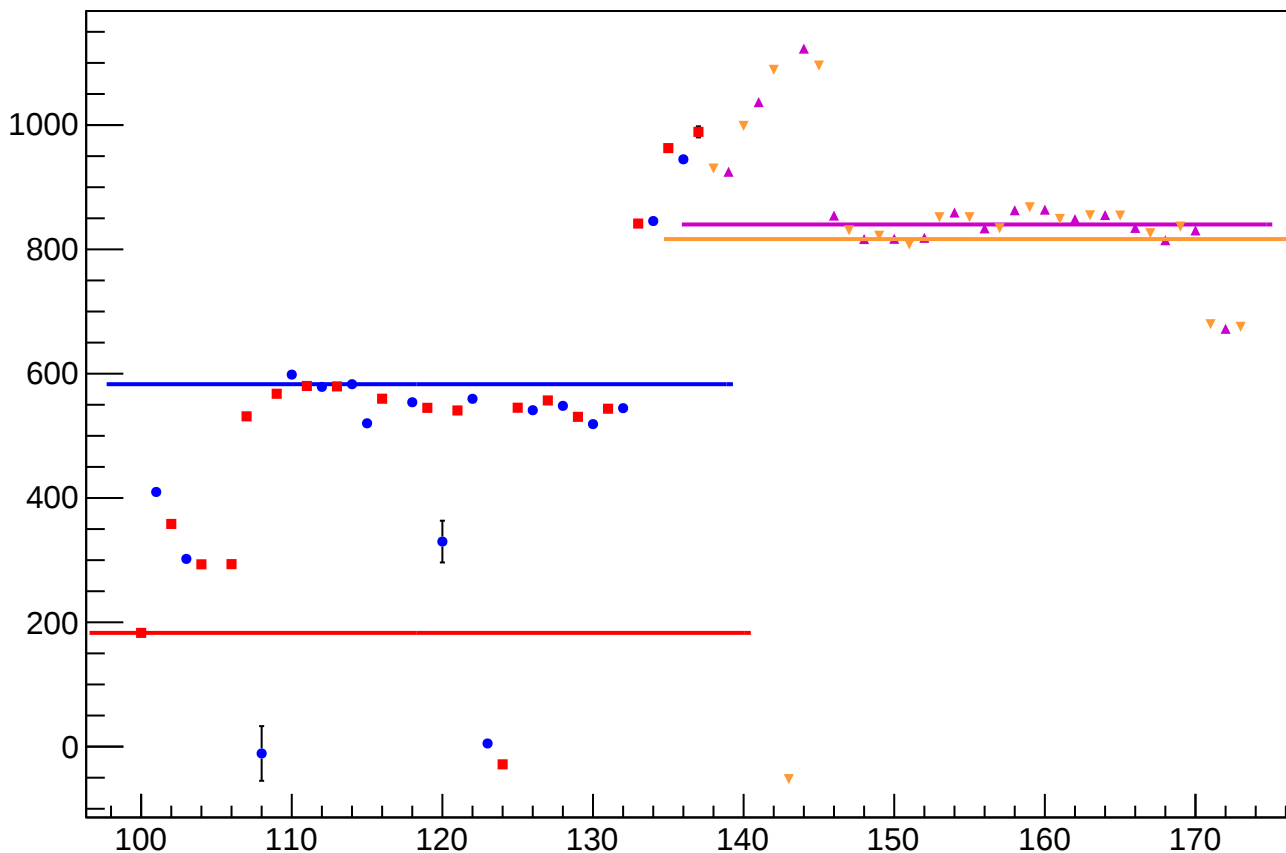
Right: -411.771+/-0.000 χ^2/NDF : 1752754.1/35

In: -411.771+/-0.000 χ^2/NDF : 10650763.5/33

Out: -695.165+/-0.117 χ^2/NDF : 4460106.4/37

All: -411.771+/-0.000 χ^2/NDF : 20943928.6/7

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 583.096+/-0.000 χ^2/NDF : 1695243.6/16

Left Out: 816.554+/-0.135 χ^2/NDF : 552243.2/18

Right Out: 182.993+/-0.000 χ^2/NDF : 2983395.1/18

Left In: 840.060+/-0.141 χ^2/NDF : 205261.6/16

Left: 827.829+/-0.097 χ^2/NDF : 772065.8/35

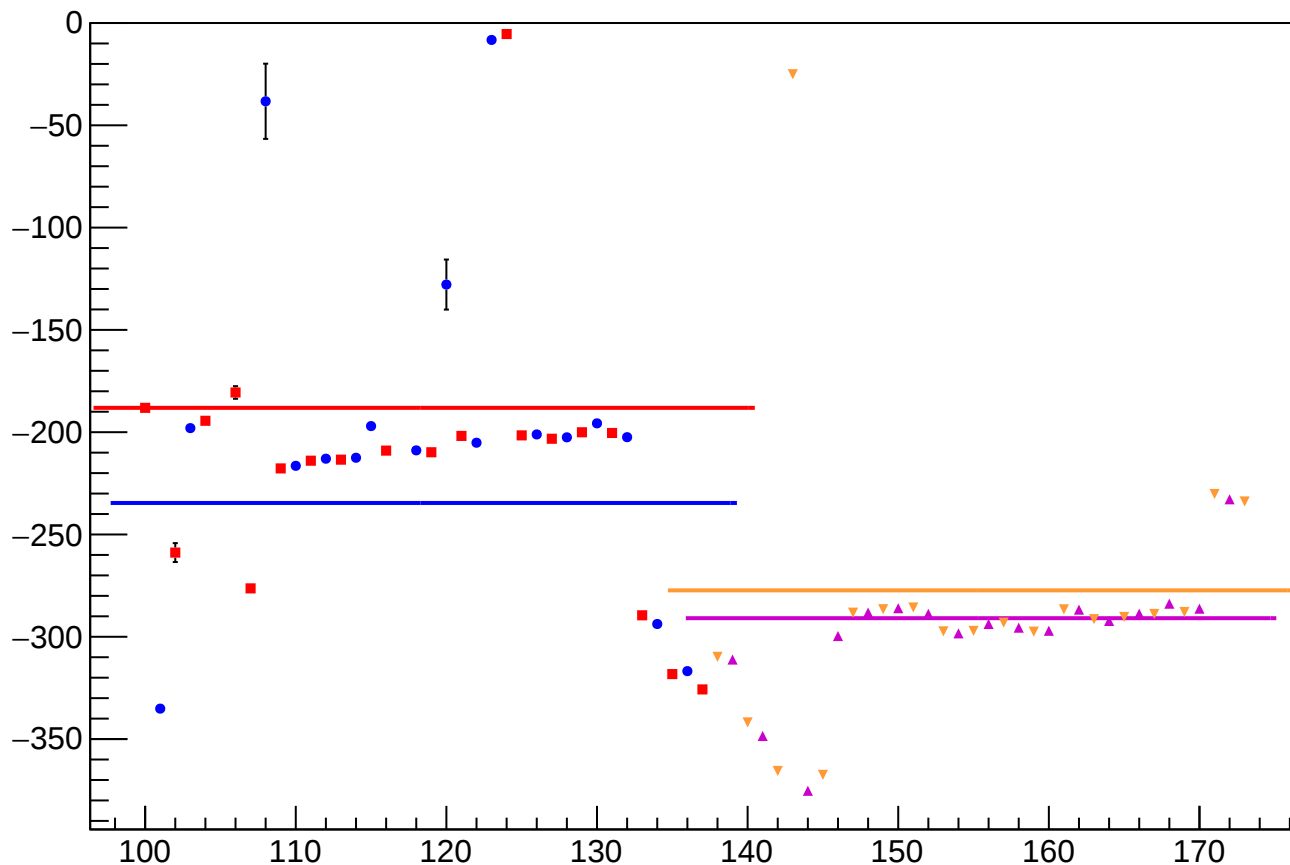
Right: 224.125+/-0.000 χ^2/NDF : 122237113759786

In: 583.096+/-0.000 χ^2/NDF : 5244924.8/33

Out: 182.993+/-0.000 χ^2/NDF : 25588018.4/37

All: 224.125+/-0.000 χ^2/NDF : 122237113759

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -234.595 ± 0.057 $\chi^2/\text{NDF}: 1034543.3/16$

Left Out: -277.316 ± 0.024 $\chi^2/\text{NDF}: 5905387.5/18$

Right Out: -188.094 ± 0.000 $\chi^2/\text{NDF}: 564190.5/18$

Left In: -290.917 ± 0.025 $\chi^2/\text{NDF}: 667319.1/16$

Left: -283.813 ± 0.017 $\chi^2/\text{NDF}: 6732639.7/35$

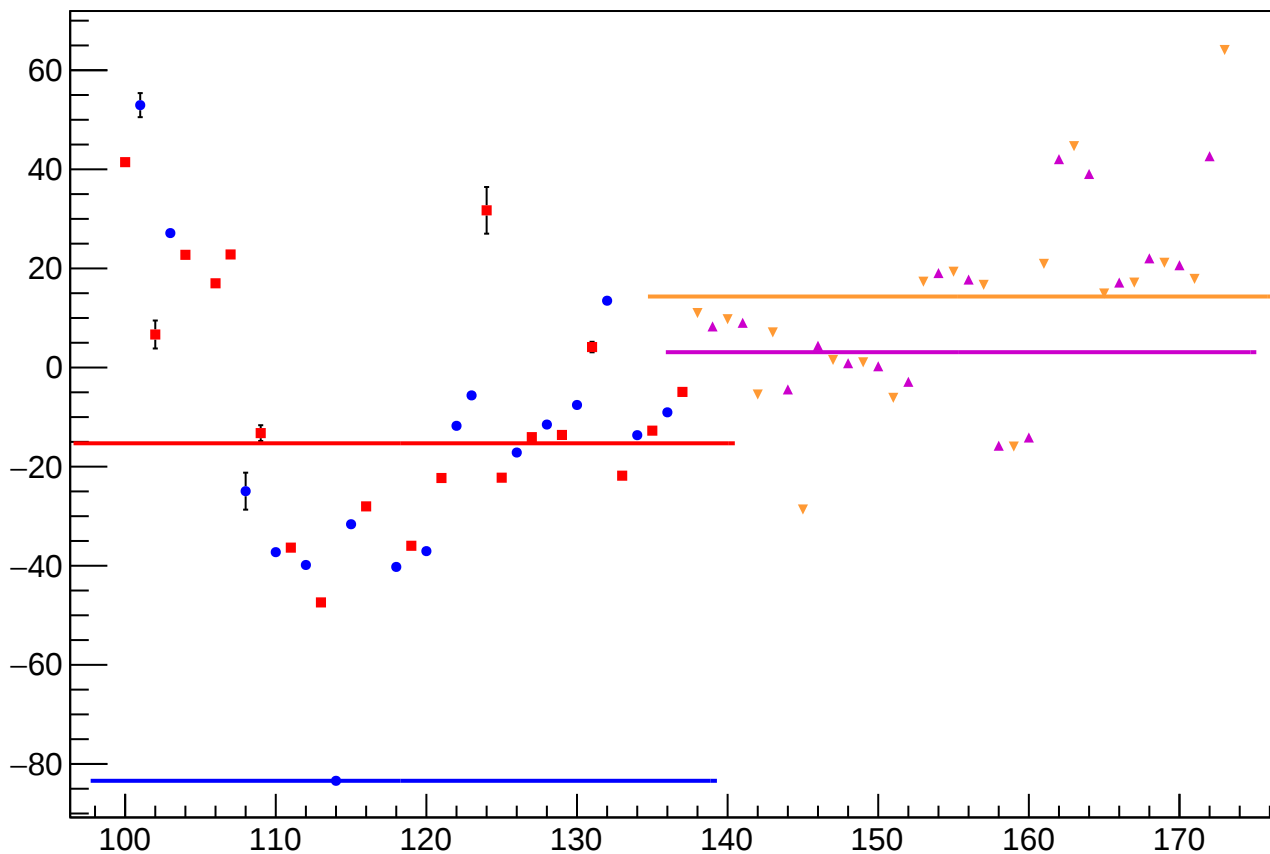
Right: -188.094 ± 0.000 $\chi^2/\text{NDF}: 2276022.3/35$

In: -281.955 ± 0.023 $\chi^2/\text{NDF}: 2537393.4/33$

Out: -188.094 ± 0.000 $\chi^2/\text{NDF}: 20878421.3/37$

All: -188.094 ± 0.000 $\chi^2/\text{NDF}: 40759054.3/7$

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -83.399 ± 0.000 $\chi^2/\text{NDF}: 1111851.8/16$

Left Out: 14.332 ± 0.023 $\chi^2/\text{NDF}: 465987.2/18$

Right Out: -15.289 ± 0.093 $\chi^2/\text{NDF}: 45102.9/18$

Left In: 3.098 ± 0.021 $\chi^2/\text{NDF}: 675980.2/16$

Left: 8.193 ± 0.016 $\chi^2/\text{NDF}: 1268918.3/35$

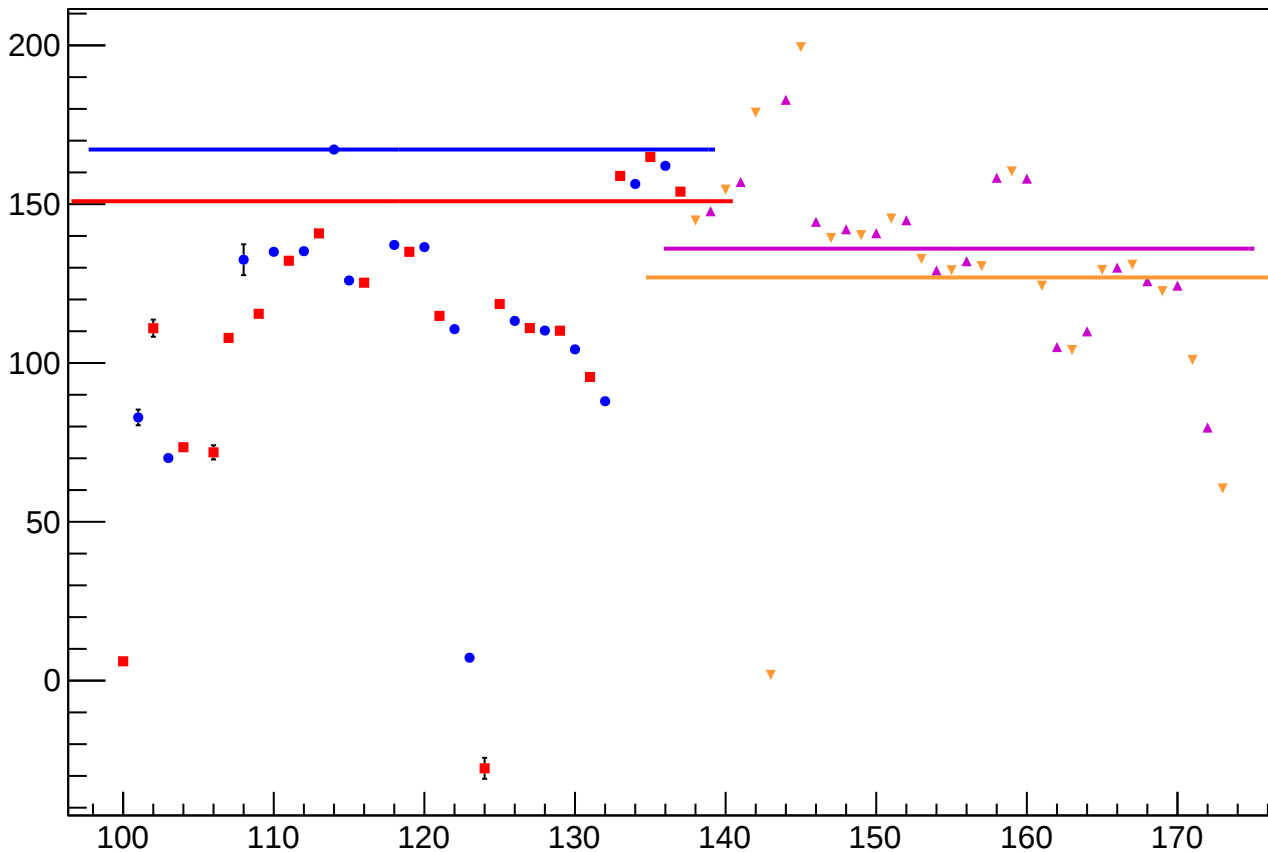
Right: -83.399 ± 0.000 $\chi^2/\text{NDF}: 1693721.3/35$

In: -83.399 ± 0.000 $\chi^2/\text{NDF}: 18381621.4/33$

Out: 12.580 ± 0.023 $\chi^2/\text{NDF}: 606608.0/37$

All: -83.399 ± 0.000 $\chi^2/\text{NDF}: 37010115.8/71$

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 167.207 $\pm$ 0.000 χ^2 /NDF: 377544.7/16

Left Out: 126.934 $\pm$ 0.030 χ^2 /NDF: 601777.0/18

Right Out: 150.930 $\pm$ 0.030 χ^2 /NDF: 254077.1/18

Left In: 135.998 $\pm$ 0.028 χ^2 /NDF: 377251.7/16

Left: 131.780 $\pm$ 0.020 χ^2 /NDF: 1028111.3/35

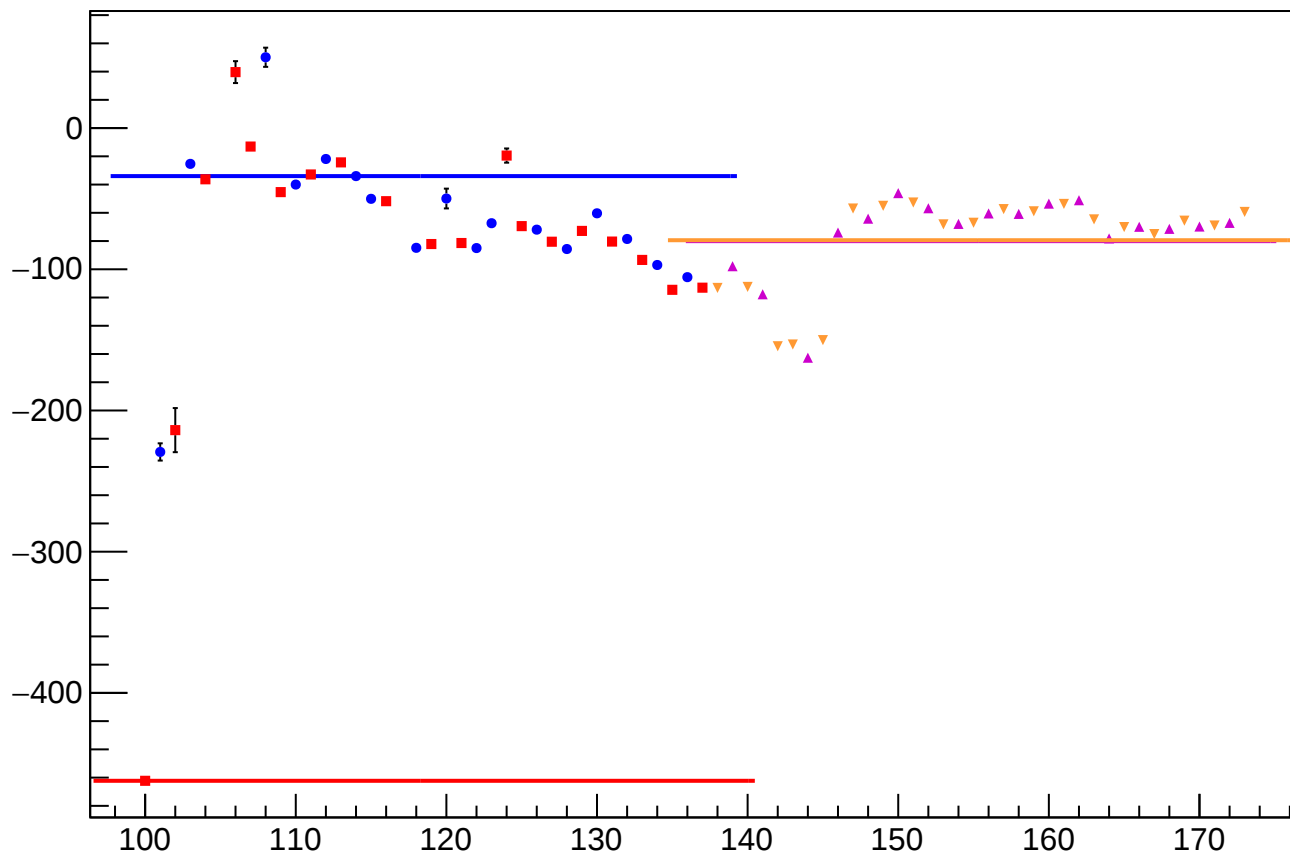
Right: 167.207 $\pm$ 0.000 χ^2 /NDF: 927090.4/35

In: 167.207 $\pm$ 0.000 χ^2 /NDF: 2005519.0/33

Out: 138.920 $\pm$ 0.021 χ^2 /NDF: 1177231.2/37

All: 167.207 $\pm$ 0.000 χ^2 /NDF: 4969147.9/71

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -34.002 ± 0.000 $\chi^2/\text{NDF}: 103608.4/16$

Left Out: -79.415 ± 0.122 $\chi^2/\text{NDF}: 62252.9/18$

Right Out: -462.254 ± 0.000 $\chi^2/\text{NDF}: 4616114.1/18$

Left In: -80.068 ± 0.131 $\chi^2/\text{NDF}: 59617.0/16$

Left: -79.720 ± 0.089 $\chi^2/\text{NDF}: 121883.2/35$

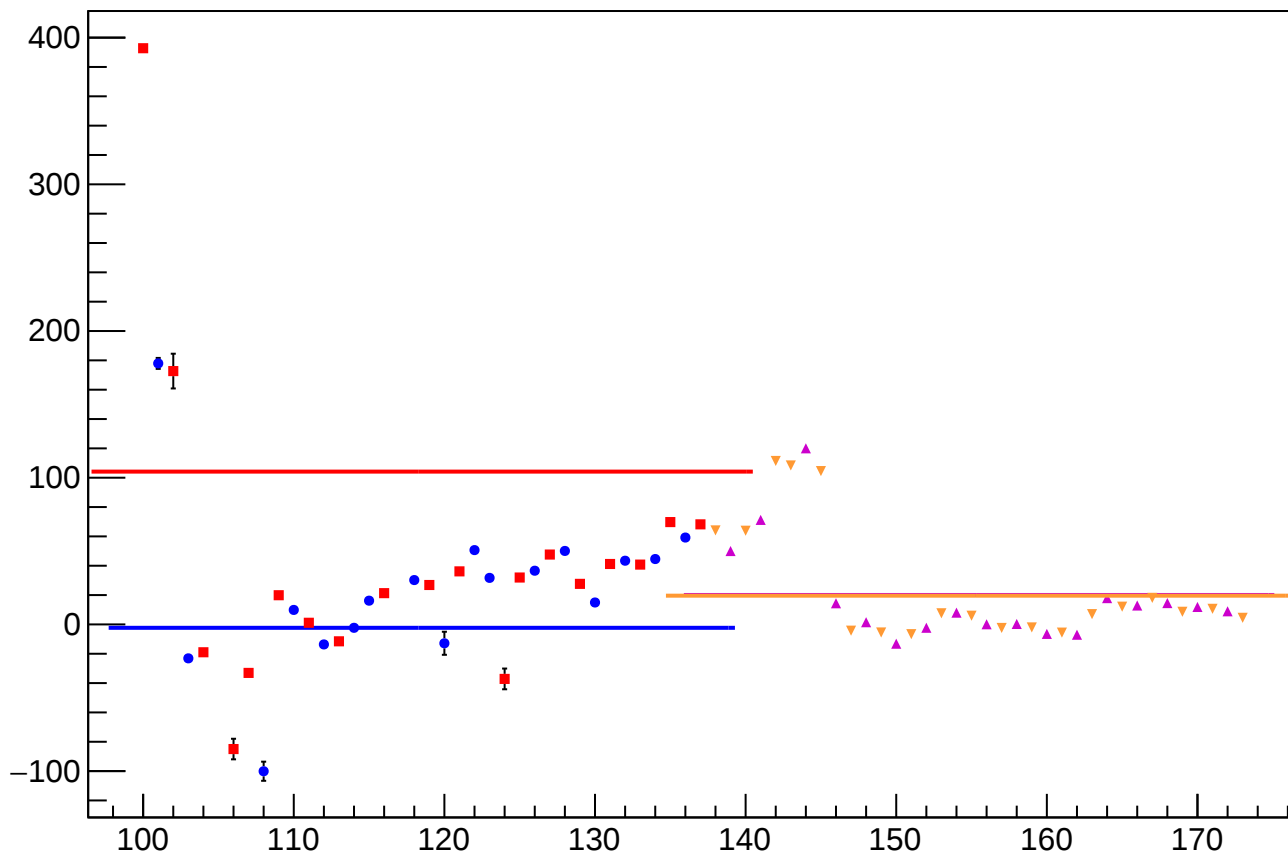
Right: -34.912 ± 0.000 $\chi^2/\text{NDF}: 849582565143584$

In: -34.002 ± 0.000 $\chi^2/\text{NDF}: 287628.6/33$

Out: -462.254 ± 0.000 $\chi^2/\text{NDF}: 14488175.7/37$

All: -34.912 ± 0.000 $\chi^2/\text{NDF}: 849582565143$

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: -2.317 ± 0.000 χ^2/NDF : 72308.0/16

Left Out: 19.589 ± 0.107 χ^2/NDF : 98197.8/18

Right Out: 104.164 ± 0.183 χ^2/NDF : 779114.1/18

Left In: 20.062 ± 0.114 χ^2/NDF : 88372.2/16

Left: 19.810 ± 0.078 χ^2/NDF : 186579.1/35

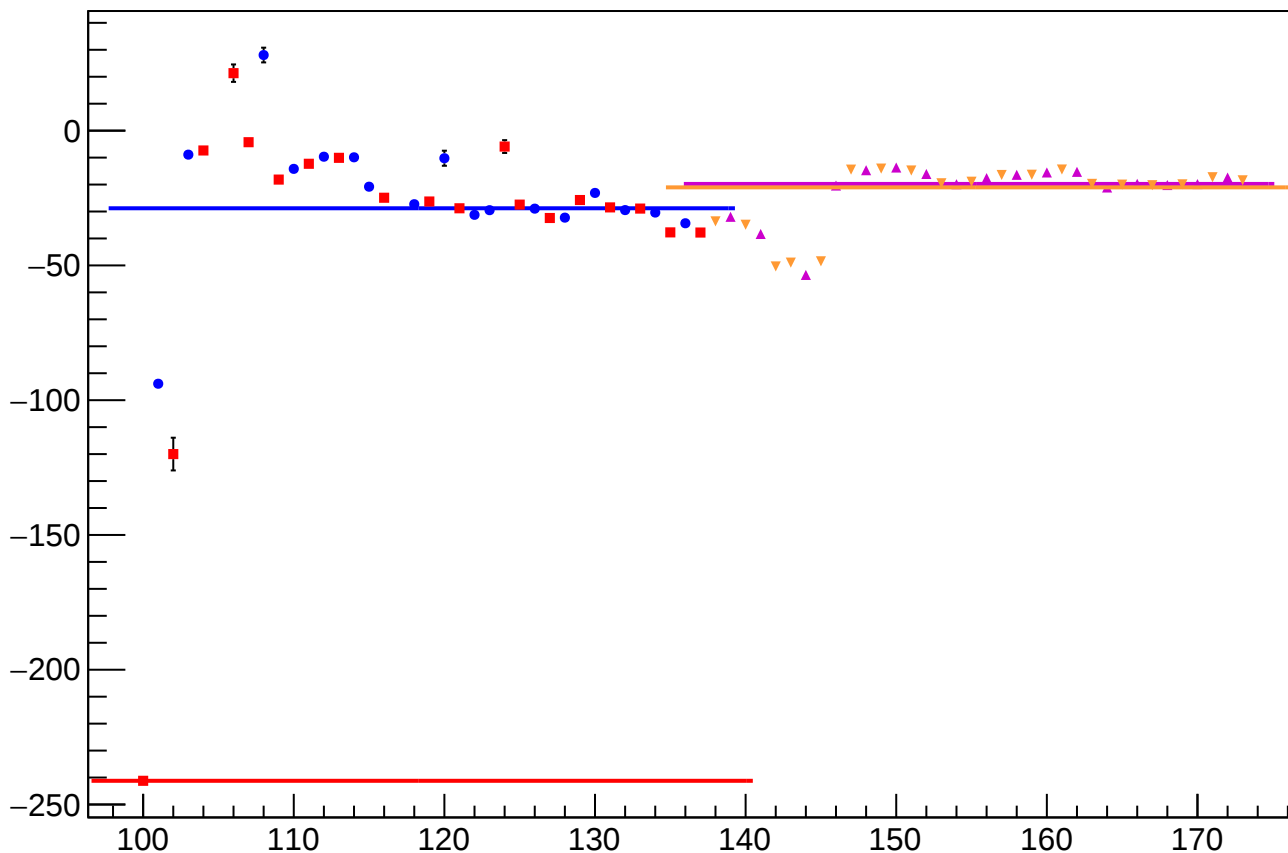
Right: -2.317 ± 0.000 χ^2/NDF : 1189122.1/35

In: -2.317 ± 0.000 χ^2/NDF : 199006.8/33

Out: 41.051 ± 0.092 χ^2/NDF : 1036293.8/37

All: -2.317 ± 0.000 χ^2/NDF : 1456050.1/71

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.799 ± 0.035 $\chi^2/\text{NDF}: 49372.5/16$

Left Out: -21.043 ± 0.014 $\chi^2/\text{NDF}: 366944.6/18$

Right Out: -241.209 ± 0.000 $\chi^2/\text{NDF}: 31730104.8/18$

Left In: -19.770 ± 0.016 $\chi^2/\text{NDF}: 194974.6/16$

Left: -20.507 ± 0.010 $\chi^2/\text{NDF}: 565629.7/35$

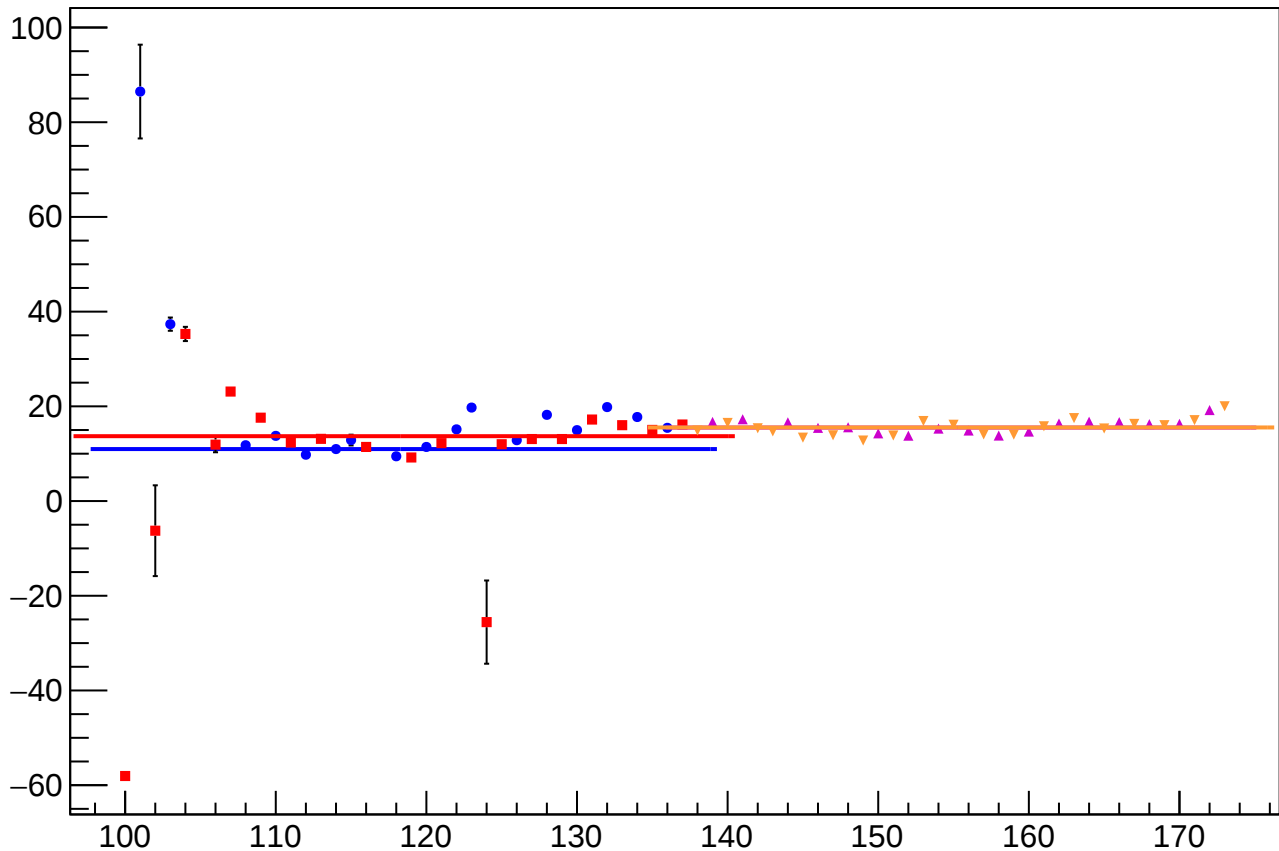
Right: -241.209 ± 0.000 $\chi^2/\text{NDF}: 67856010.6/35$

In: -21.289 ± 0.015 $\chi^2/\text{NDF}: 298566.8/33$

Out: -241.209 ± 0.000 $\chi^2/\text{NDF}: 295552457.9/37$

All: -241.209 ± 0.000 $\chi^2/\text{NDF}: 525632309.8/70$

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 10.978+/-0.000 χ^2/NDF : 26383.3/16

Left Out: 15.541+/-0.015 χ^2/NDF : 9156.2/18

Right Out: 13.698+/-0.044 χ^2/NDF : 38261.7/18

Left In: 15.516+/-0.015 χ^2/NDF : 6388.8/16

Left: 15.528+/-0.011 χ^2/NDF : 15546.4/35

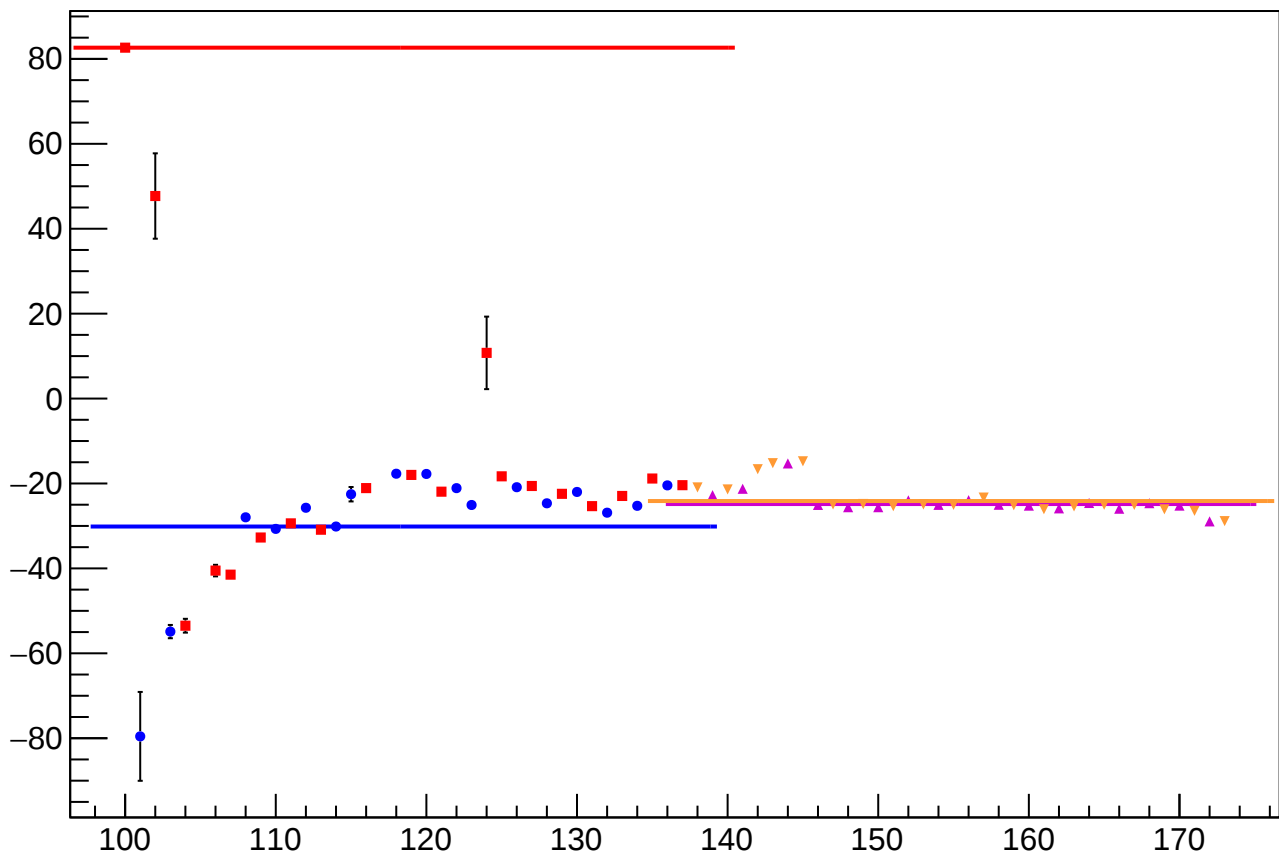
Right: 10.978+/-0.000 χ^2/NDF : 68468.7/35

In: 10.978+/-0.000 χ^2/NDF : 120581.8/33

Out: 15.349+/-0.014 χ^2/NDF : 48991.6/37

All: 10.978+/-0.000 χ^2/NDF : 264475.8/71

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -30.139+/-0.000 χ^2/NDF : 75823.3/16

Left Out: -24.136+/-0.018 χ^2/NDF : 34871.5/18

Right Out: 82.645+/-0.000 χ^2/NDF : 4126300.9/18

Left In: -24.844+/-0.018 χ^2/NDF : 11753.3/16

Left: -24.484+/-0.013 χ^2/NDF : 47410.8/35

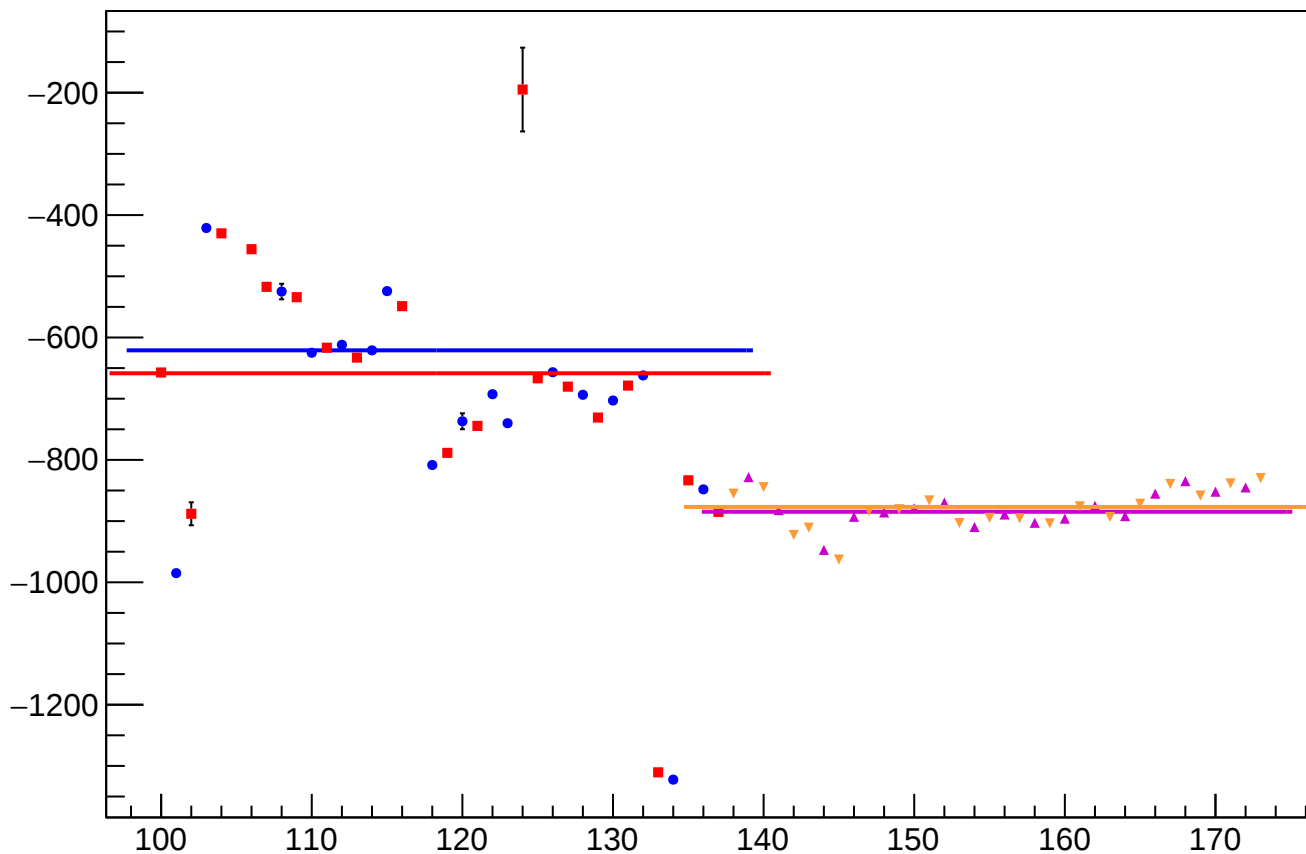
Right: -26.421+/-0.000 χ^2/NDF : 365466407976619

In: -30.139+/-0.000 χ^2/NDF : 174125.1/33

Out: 82.645+/-0.000 χ^2/NDF : 40476622.3/37

All: -26.421+/-0.000 χ^2/NDF : 365466407976

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -620.994+/-0.000 χ^2/NDF : 309597.8/16

Left Out: -876.842+/-0.141 χ^2/NDF :38790.3/18

Right Out: -658.472+/-0.211 χ^2/NDF : 385288.9/18

Left In: -884.751+/-0.141 χ^2/NDF :25566.3/16

Left: -880.810+/-0.100 χ^2/NDF : 65932.7/35

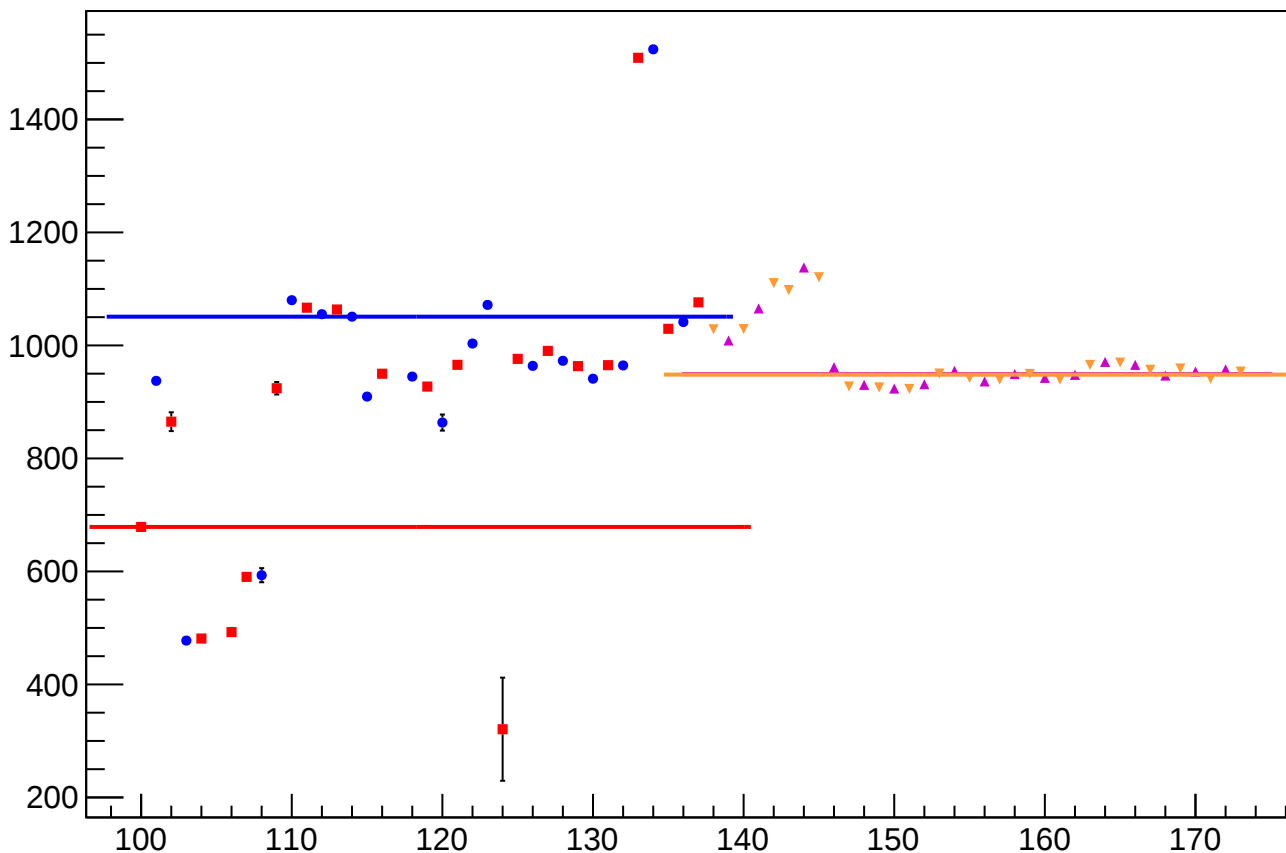
Right: -620.994+/-0.000 χ^2/NDF : 726578.9/35

In: -620.994+/-0.000 χ^2/NDF :3852392.8/33

Out: -809.145+/-0.117 χ^2/NDF :1166484.3/37

All: -620.994+/-0.000 χ^2/NDF : 7595500.1/71

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1050.885 $\pm$ 0.000 χ^2 /NDF: 296535.3/16

Left Out: 948.370 $\pm$ 0.116 χ^2 /NDF: 70524.5/18

Right Out: 678.756 $\pm$ 0.000 χ^2 /NDF: 1421757.7/18

Left In: 949.138 $\pm$ 0.115 χ^2 /NDF: 75560.5/16

Left: 948.756 $\pm$ 0.082 χ^2 /NDF: 146107.1/35

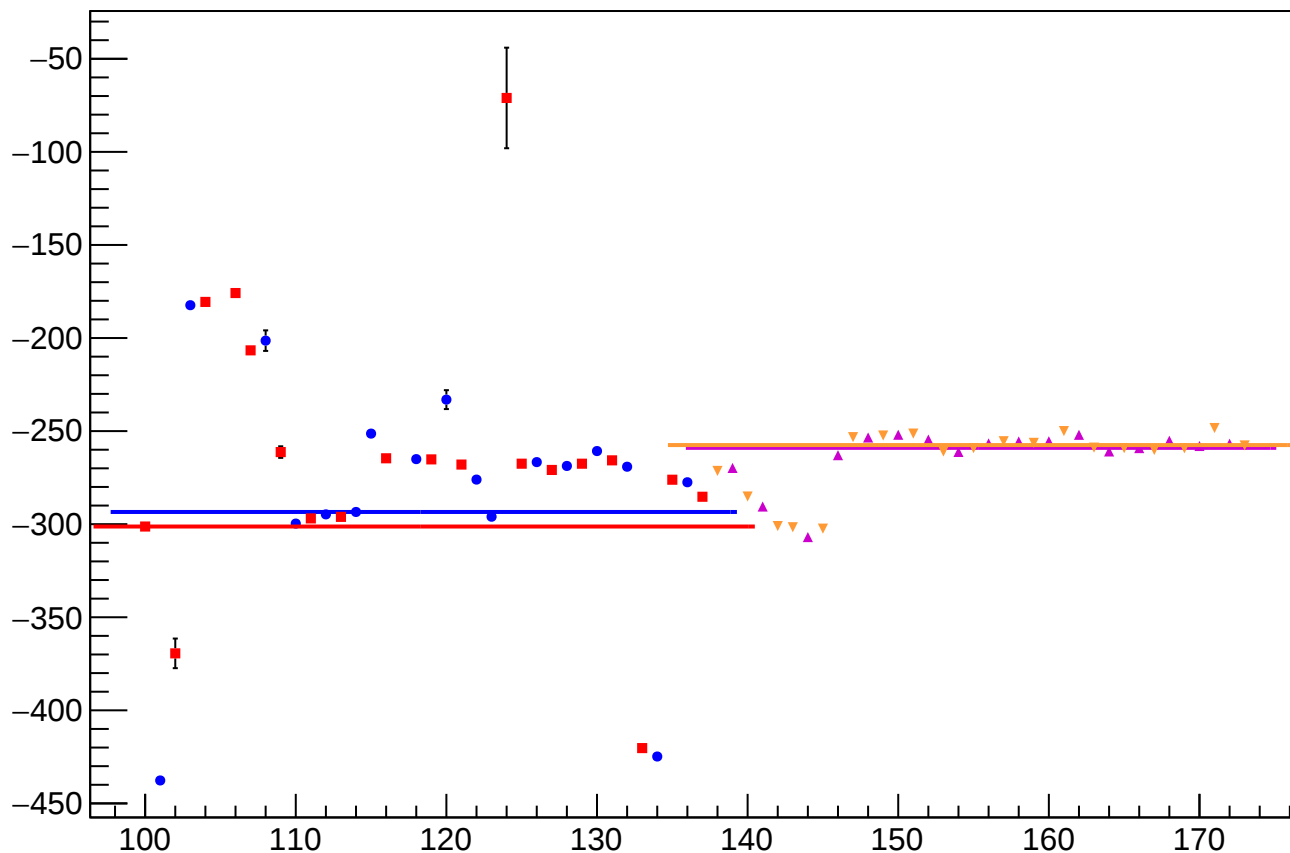
Right: 717.012 $\pm$ 0.000 χ^2 /NDF: 660888056800884

In: 1050.885 $\pm$ 0.000 χ^2 /NDF: 1154196.7/33

Out: 678.756 $\pm$ 0.000 χ^2 /NDF: 6926634.4/37

All: 717.012 $\pm$ 0.000 χ^2 /NDF: 660888056800

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -293.440 ± 0.000 $\chi^2/\text{NDF}: 806123.9/16$

Left Out: -257.502 ± 0.021 $\chi^2/\text{NDF}: 169814.4/18$

Right Out: -301.259 ± 0.000 $\chi^2/\text{NDF}: 709937.5/18$

Left In: -258.997 ± 0.021 $\chi^2/\text{NDF}: 188696.5/16$

Left: -258.250 ± 0.015 $\chi^2/\text{NDF}: 361161.8/35$

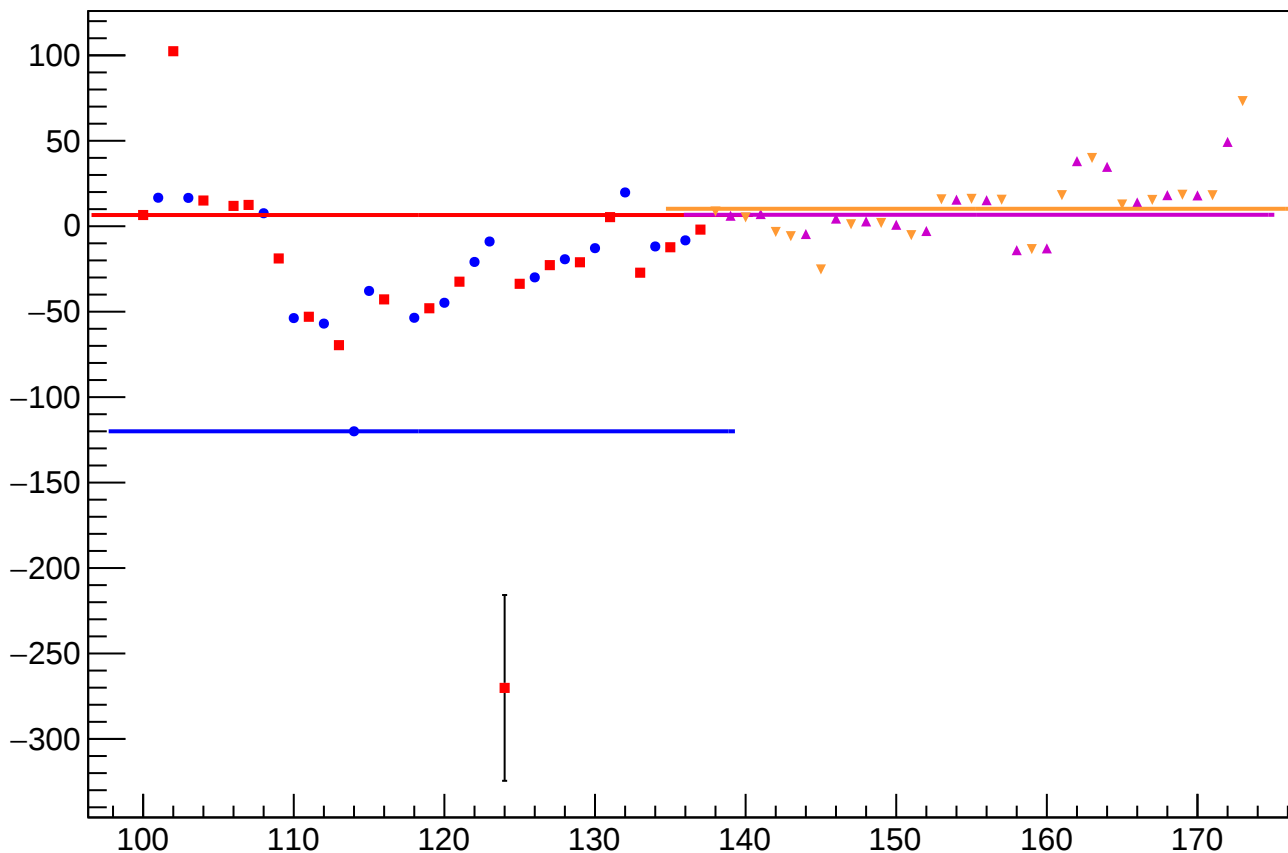
Right: -296.200 ± 0.000 $\chi^2/\text{NDF}: 73444542243591$

In: -293.440 ± 0.000 $\chi^2/\text{NDF}: 3810166.3/33$

Out: -301.259 ± 0.000 $\chi^2/\text{NDF}: 5412155.8/37$

All: -296.200 ± 0.000 $\chi^2/\text{NDF}: 73444542243$

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -119.993+/-0.000 χ^2/NDF : 1507310.0/16

Left Out: 10.214+/-0.021 χ^2/NDF : 415732.7/18

Right Out: 6.562+/-0.000 χ^2/NDF : 110723.7/18

Left In: 6.693+/-0.021 χ^2/NDF : 433352.5/16

Left: 8.433+/-0.015 χ^2/NDF : 863326.2/35

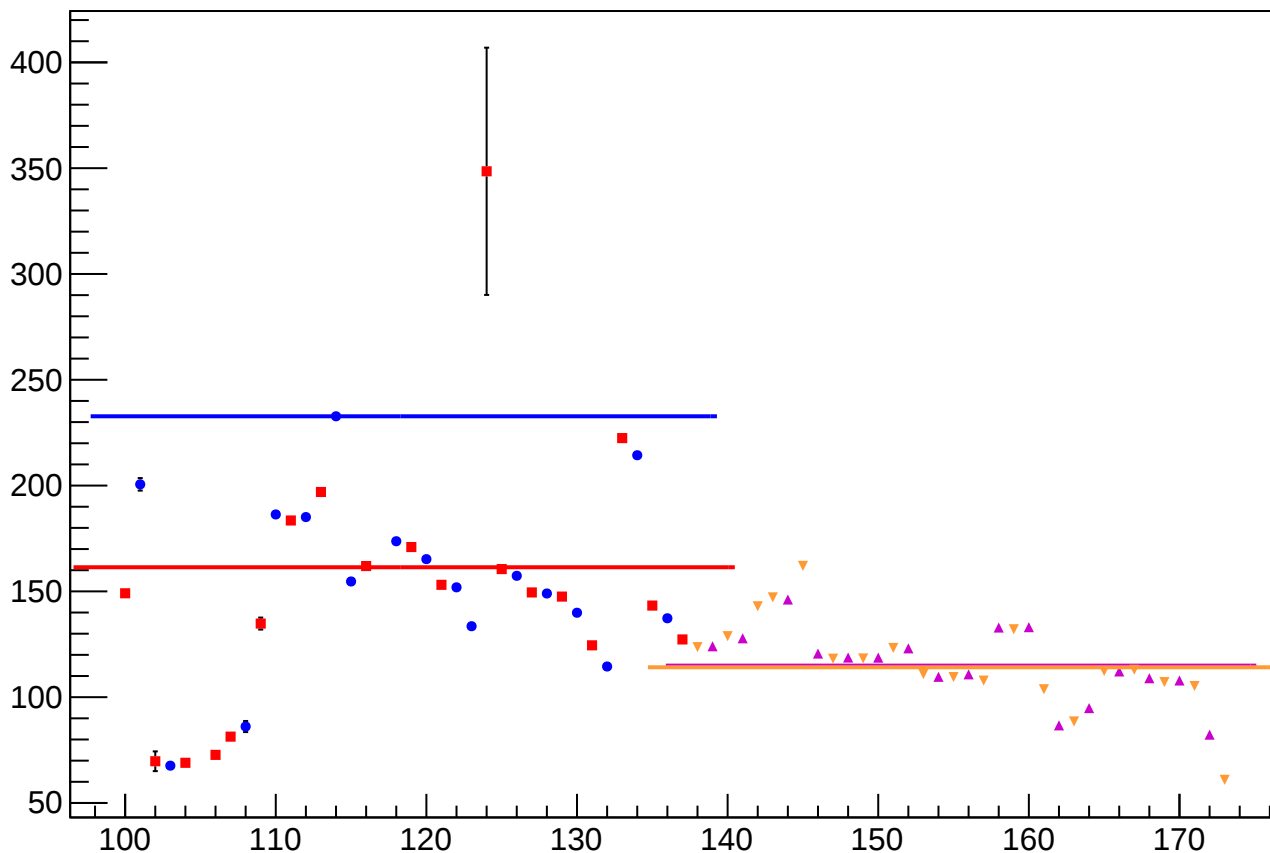
Right: 6.462+/-0.000 χ^2/NDF : 96855847891730169

In: -119.993+/-0.000 χ^2/NDF : 39276972.0/33

Out: 6.562+/-0.000 χ^2/NDF : 556737.7/37

All: 6.462+/-0.000 χ^2/NDF : 96855847891730

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 232.747 ± 0.000 $\chi^2/\text{NDF}: 885111.3/16$

Left Out: 114.127 ± 0.025 $\chi^2/\text{NDF}: 233481.0/18$

Right Out: 161.402 ± 0.086 $\chi^2/\text{NDF}: 158469.5/18$

Left In: 114.909 ± 0.023 $\chi^2/\text{NDF}: 298331.0/16$

Left: 114.556 ± 0.017 $\chi^2/\text{NDF}: 532339.3/35$

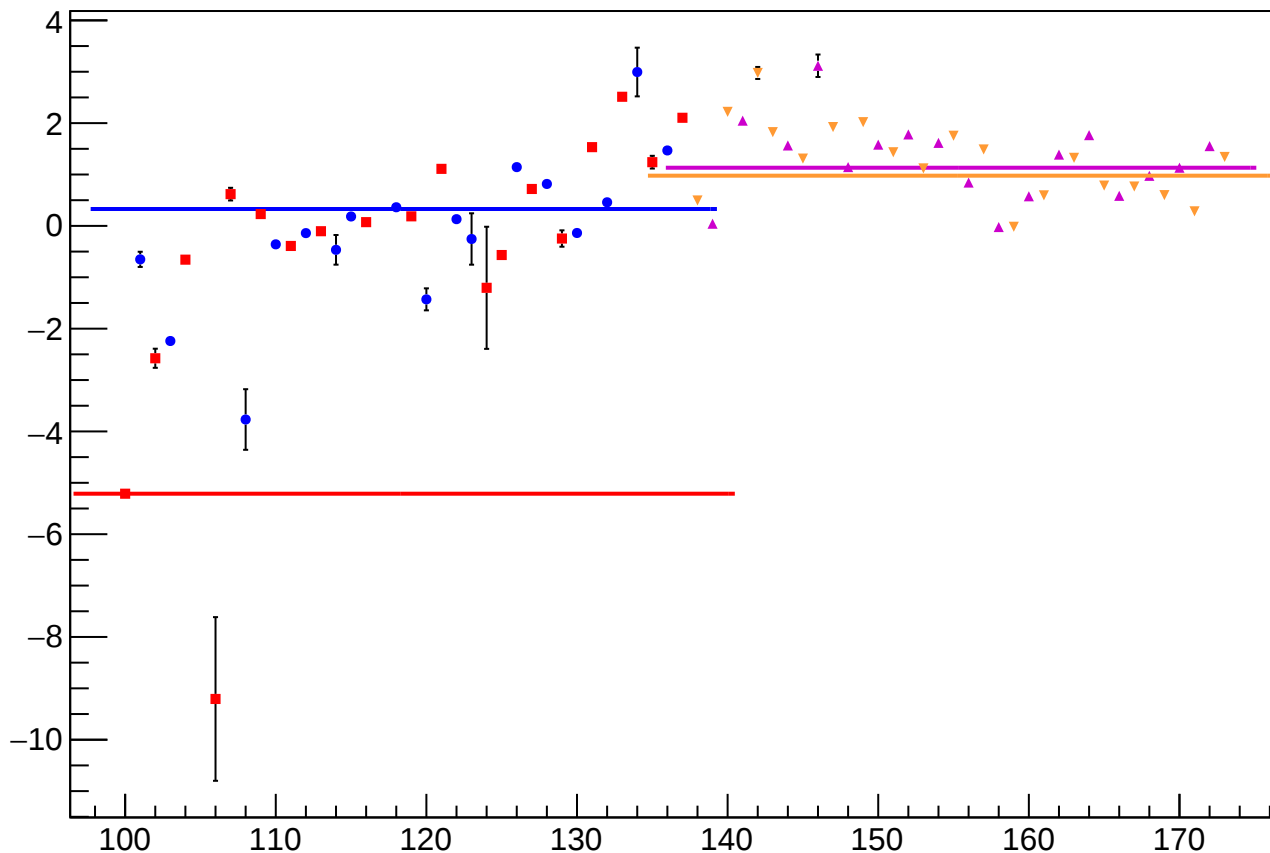
Right: 232.747 ± 0.000 $\chi^2/\text{NDF}: 1727131.7/35$

In: 232.747 ± 0.000 $\chi^2/\text{NDF}: 27680380.3/33$

Out: 117.841 ± 0.024 $\chi^2/\text{NDF}: 668496.6/37$

All: 232.747 ± 0.000 $\chi^2/\text{NDF}: 50917065.3/73$

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: 0.329 ± 0.013 $\chi^2/\text{NDF}: 4100.2/16$

Left Out: 0.977 ± 0.008 $\chi^2/\text{NDF}: 5774.4/18$

Right Out: -5.212 ± 0.000 $\chi^2/\text{NDF}: 500748.8/18$

Left In: 1.132 ± 0.008 $\chi^2/\text{NDF}: 6492.7/16$

Left: 1.062 ± 0.006 $\chi^2/\text{NDF}: 12452.7/35$

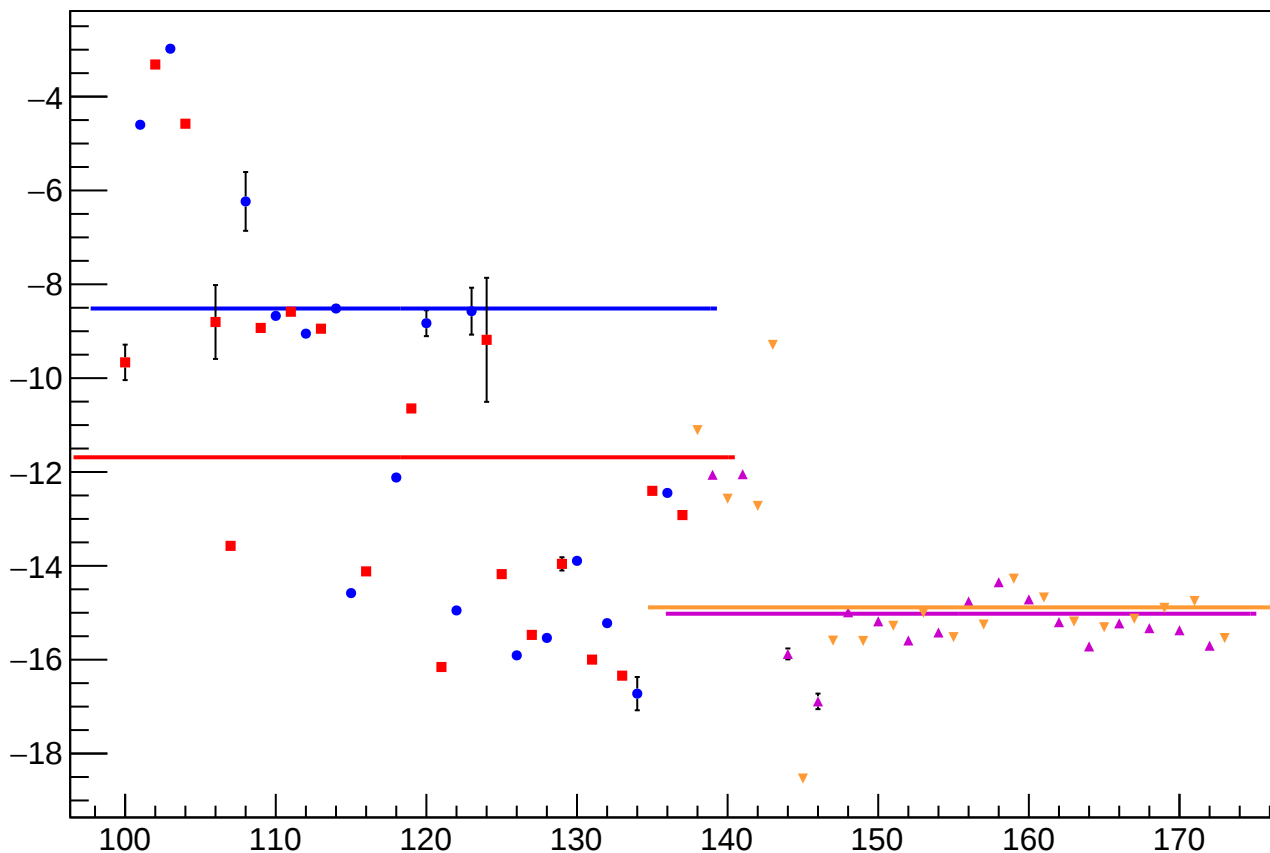
Right: -5.212 ± 0.000 $\chi^2/\text{NDF}: 690660.4/35$

In: 0.923 ± 0.007 $\chi^2/\text{NDF}: 13483.1/33$

Out: -5.212 ± 0.000 $\chi^2/\text{NDF}: 1046976.6/37$

All: -5.212 ± 0.000 $\chi^2/\text{NDF}: 1937201.7/71$

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -8.516 ± 0.000 χ^2/NDF : 245356.0/16

Left Out: -14.885 ± 0.007 χ^2/NDF : 31278.0/18

Right Out: -11.687 ± 0.012 χ^2/NDF : 108168.0/18

Left In: -15.021 ± 0.007 χ^2/NDF : 12895.0/16

Left: -14.954 ± 0.005 χ^2/NDF : 44375.4/35

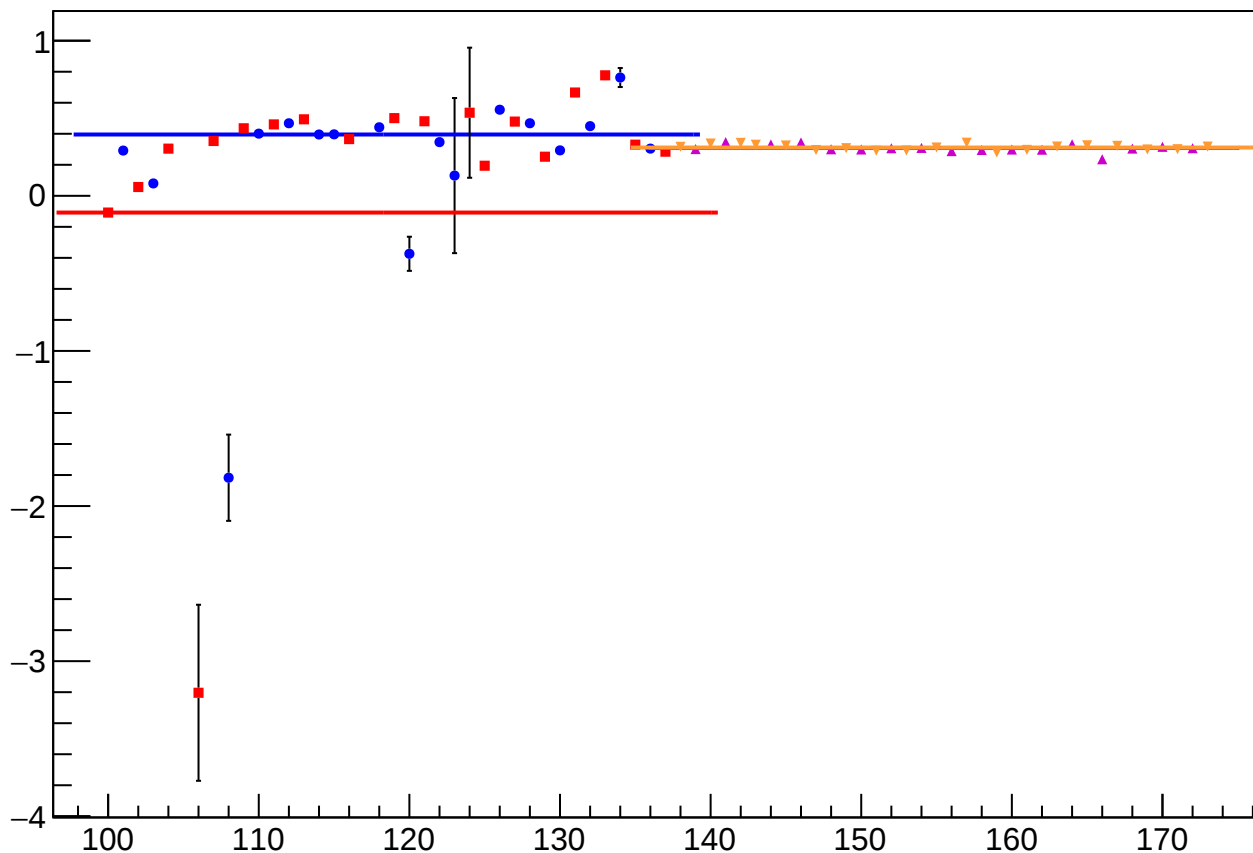
Right: -8.516 ± 0.000 χ^2/NDF : 428263.5/35

In: -8.516 ± 0.000 χ^2/NDF : 1211874.1/33

Out: -14.060 ± 0.006 χ^2/NDF : 195886.4/37

All: -8.516 ± 0.000 χ^2/NDF : 2294464.6/71

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.395 ± 0.000 $\chi^2/\text{NDF}: 10311.3/16$

Left Out: 0.311 ± 0.000 $\chi^2/\text{NDF}: 4586.6/18$

Right Out: -0.108 ± 0.000 $\chi^2/\text{NDF}: 128250.0/18$

Left In: 0.308 ± 0.000 $\chi^2/\text{NDF}: 2602.7/16$

Left: 0.310 ± 0.000 $\chi^2/\text{NDF}: 7264.4/35$

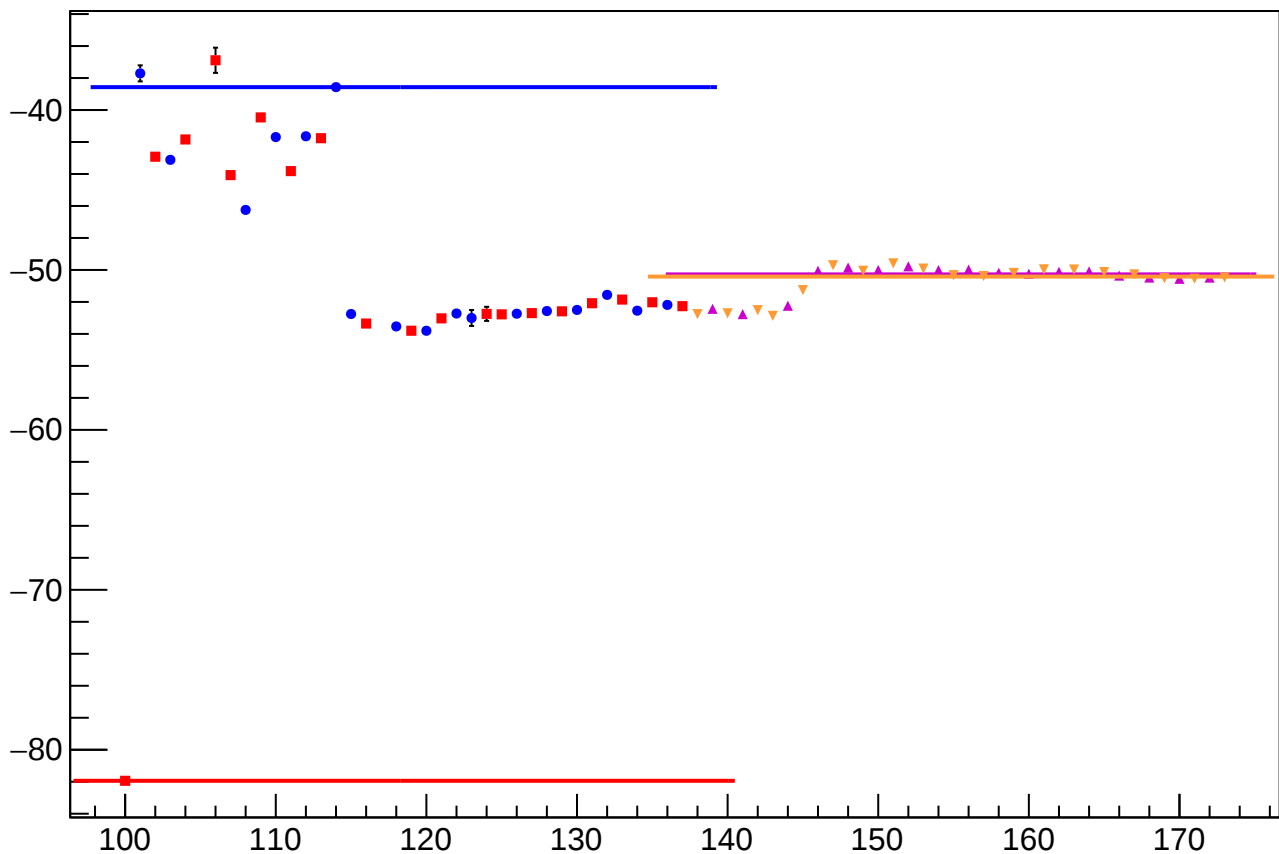
Right: -0.056 ± 0.000 $\chi^2/\text{NDF}: 8110213490538816$

In: 0.395 ± 0.000 $\chi^2/\text{NDF}: 120673.8/33$

Out: -0.108 ± 0.000 $\chi^2/\text{NDF}: 3055068.2/37$

All: -0.056 ± 0.000 $\chi^2/\text{NDF}: 8110213490538$

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.570 ± 0.000 $\chi^2/\text{NDF}: 12311757.7/16$

Left Out: -50.415 ± 0.002 $\chi^2/\text{NDF}: 244285.4/18$

Right Out: -81.941 ± 0.000 $\chi^2/\text{NDF}: 120351577.0/18$

Left In: -50.279 ± 0.001 $\chi^2/\text{NDF}: 165135.7/16$

Left: -50.338 ± 0.001 $\chi^2/\text{NDF}: 413887.4/35$

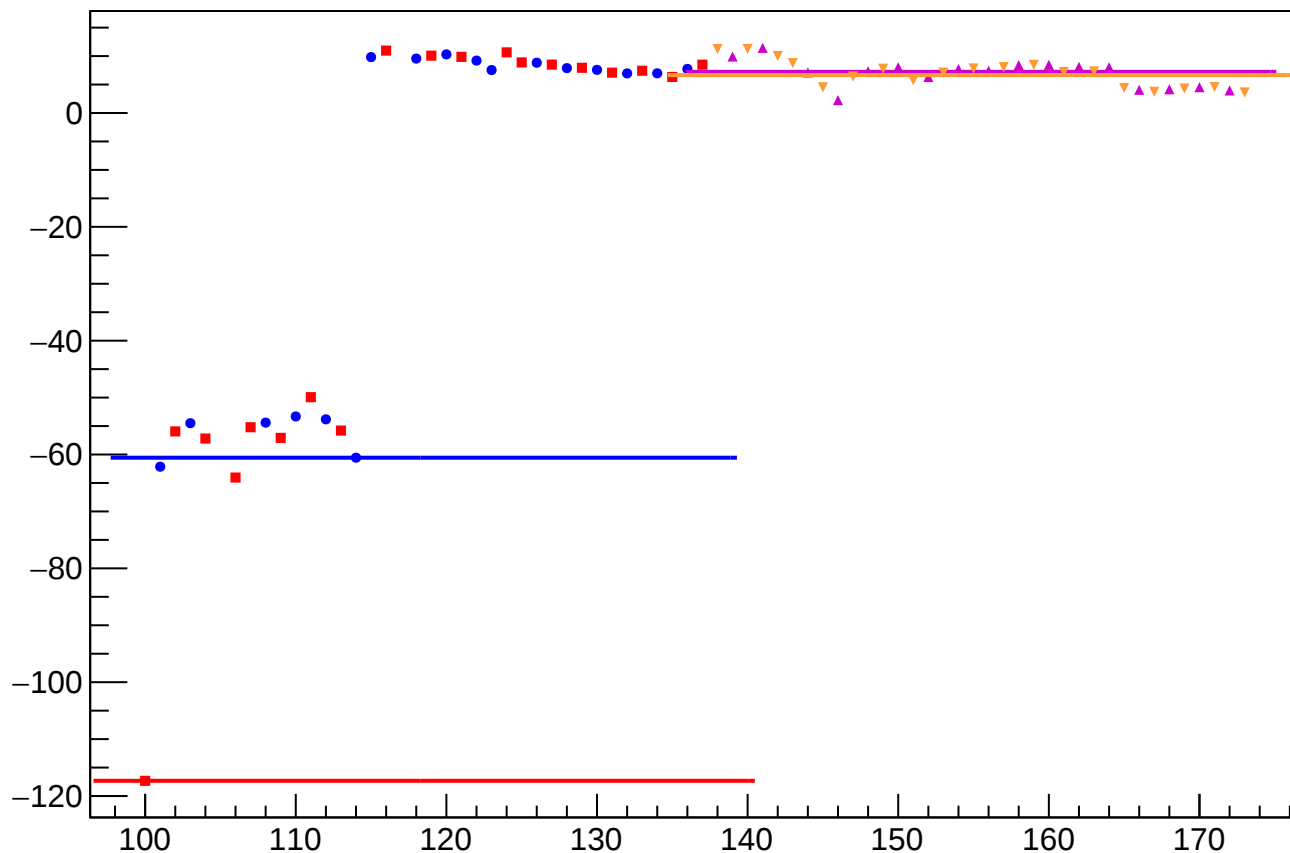
Right: -43.774 ± 0.000 $\chi^2/\text{NDF}: 491816286535349$

In: -38.570 ± 0.000 $\chi^2/\text{NDF}: 88648634.3/33$

Out: -81.941 ± 0.000 $\chi^2/\text{NDF}: 540870780.9/37$

All: -43.774 ± 0.000 $\chi^2/\text{NDF}: 491816286535$

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.561 $\pm$ 0.000 χ^2/NDF : 179199478.6/16

Left Out: 6.660 $\pm$ 0.004 χ^2/NDF : 306995.0/18

Right Out: -117.324 $\pm$ 0.000 χ^2/NDF : 218537776.8/18

Left In: 7.231 $\pm$ 0.004 χ^2/NDF : 183354.4/16

Left: 6.966 $\pm$ 0.003 χ^2/NDF : 502619.2/35

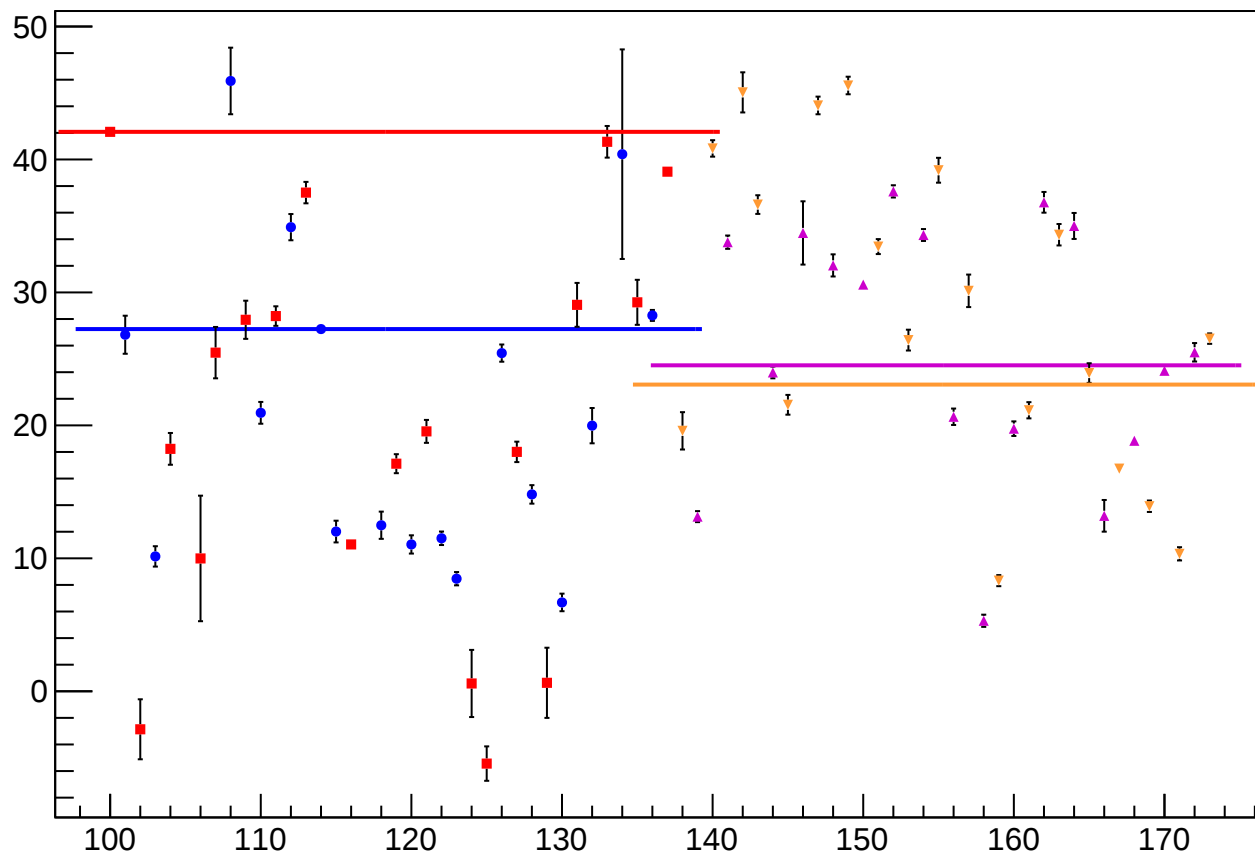
Right: -91.839 $\pm$ 0.000 χ^2/NDF : 429805156128459

In: -60.561 $\pm$ 0.000 χ^2/NDF : 552838590.9/33

Out: -117.324 $\pm$ 0.000 χ^2/NDF : 1295875037.2/37

All: -91.839 $\pm$ 0.000 χ^2/NDF : 429805156128

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 27.244 ± 0.000 χ^2/NDF : 5492.1/16

Left Out: 23.068 ± 0.129 χ^2/NDF : 7473.0/18

Right Out: 42.078 ± 0.000 χ^2/NDF : 38215.8/18

Left In: 24.517 ± 0.117 χ^2/NDF : 5451.6/16

Left: 23.863 ± 0.086 χ^2/NDF : 12994.5/35

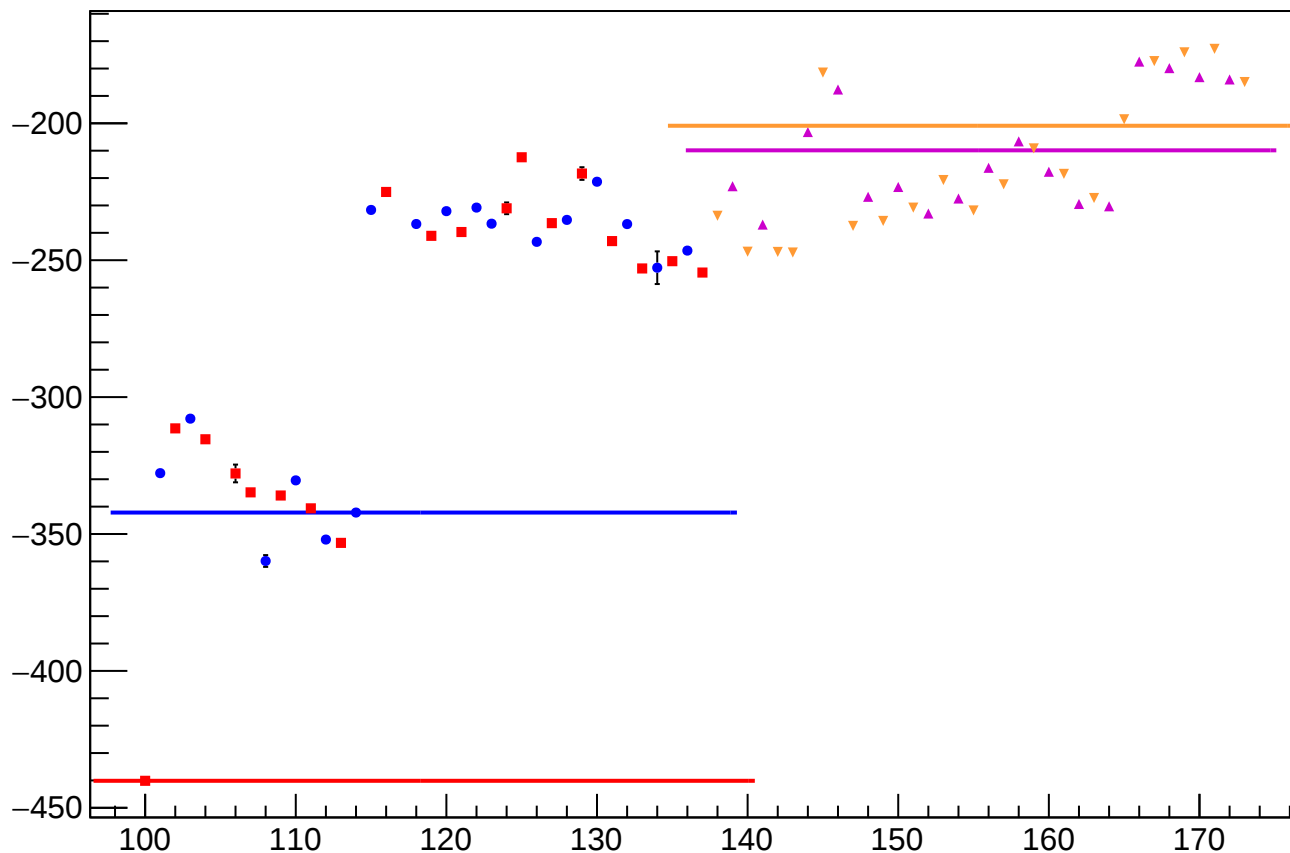
Right: 35.418 ± 0.000 χ^2/NDF : 1174117197606931

In: 27.244 ± 0.000 χ^2/NDF : 11490.9/33

Out: 42.078 ± 0.000 χ^2/NDF : 67564.5/37

All: 35.418 ± 0.000 χ^2/NDF : 1174117197606

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -342.165+/-0.000 χ^2/NDF : 307562.3/16

Left Out: -200.895+/-0.107 χ^2/NDF : 60536.9/18

Right Out: -440.136+/-0.000 χ^2/NDF : 6836158.8/18

Left In: -209.874+/-0.101 χ^2/NDF : 42161.5/16

Left: -205.658+/-0.073 χ^2/NDF : 106431.9/35

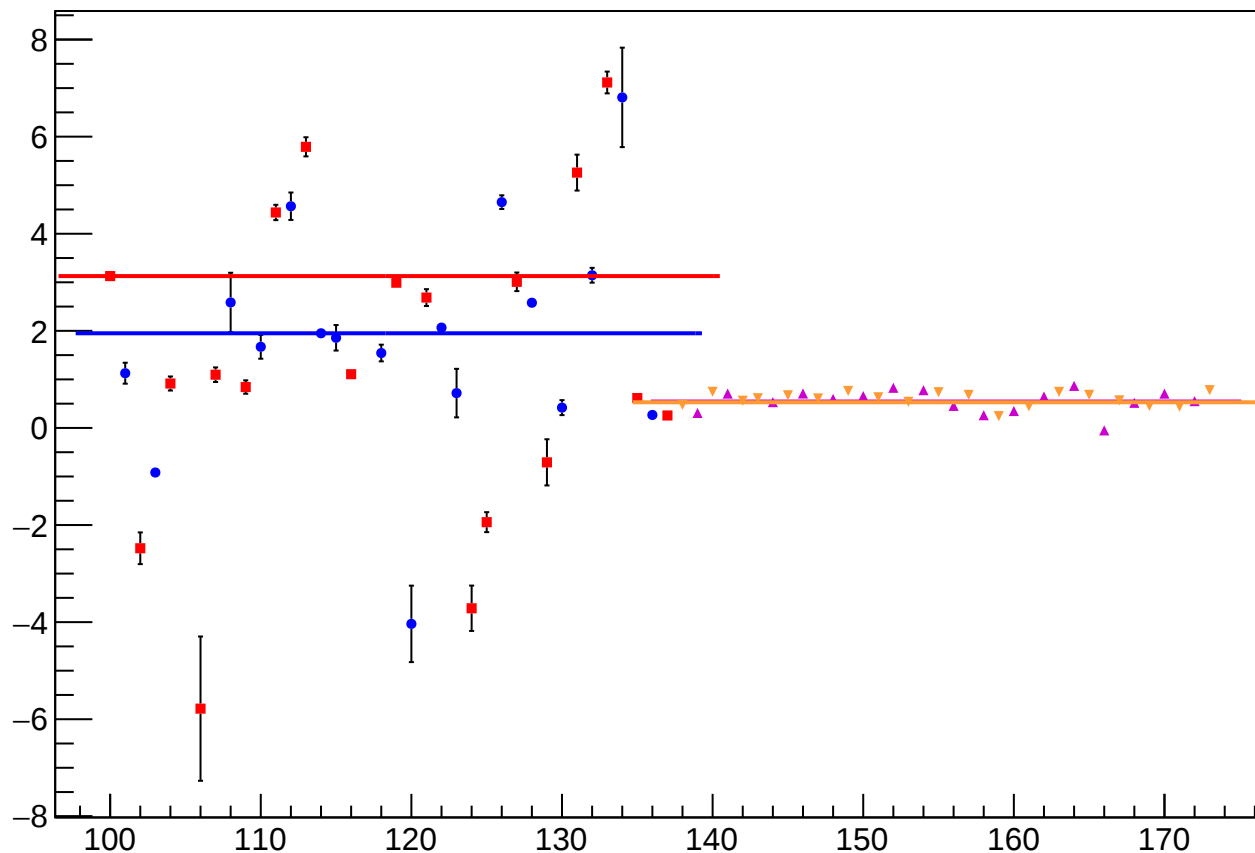
Right: -376.743+/-0.000 χ^2/NDF : 11532667116612

In: -342.165+/-0.000 χ^2/NDF : 2075820.5/33

Out: -440.136+/-0.000 χ^2/NDF : 11893446.0/37

All: -376.743+/-0.000 χ^2/NDF : 11532667116

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.950 $\pm$ 0.000 χ^2 /NDF: 64103.9/16

Left Out: 0.528 $\pm$ 0.002 χ^2 /NDF:9496.1/18

Right Out: 3.128 $\pm$ 0.000 χ^2 /NDF: 24965.4/18

Left In: 0.544 $\pm$ 0.002 χ^2 /NDF:14103.7/16

Left: 0.537 $\pm$ 0.001 χ^2 /NDF: 23634.8/35

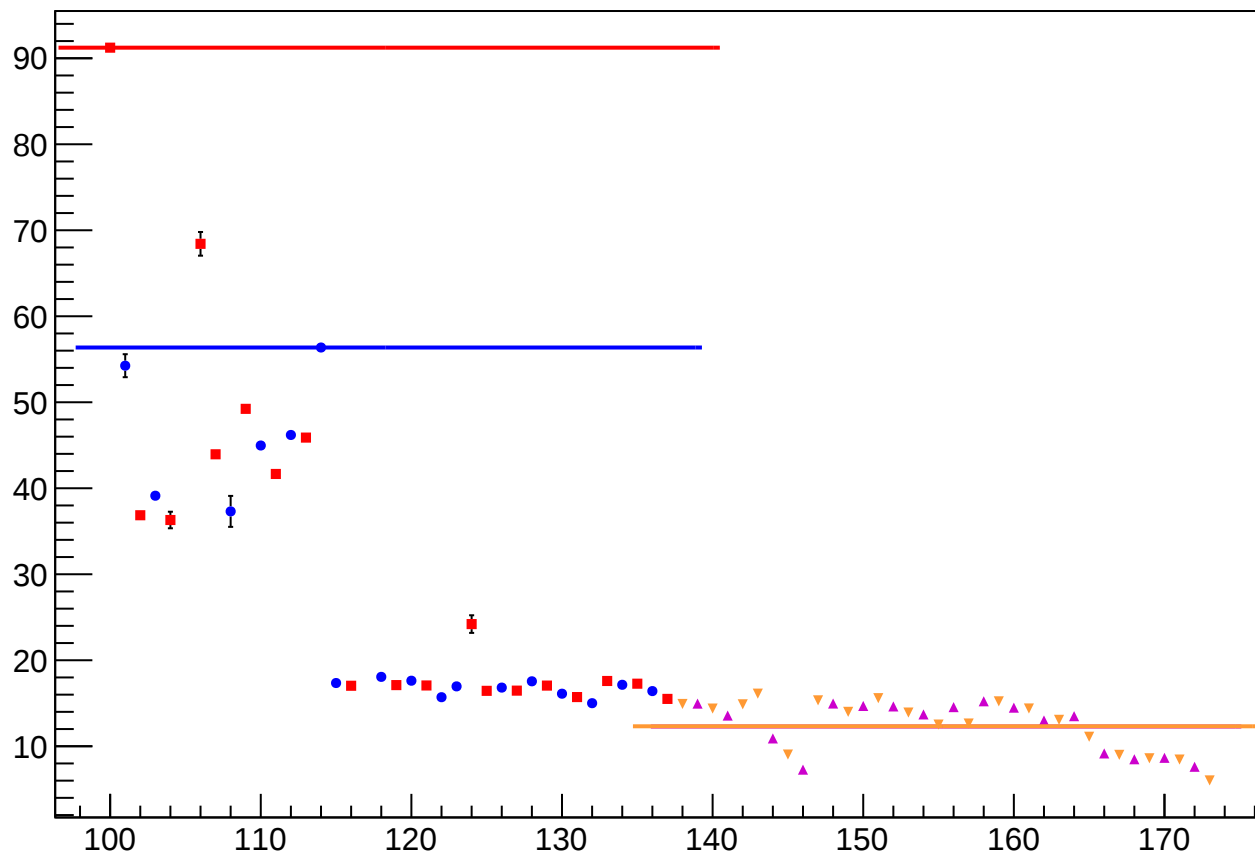
Right: 2.366 $\pm$ 0.000 χ^2 /NDF: 27324586822992261

In: 1.950 $\pm$ 0.000 χ^2 /NDF:683087.4/33

Out: 3.128 $\pm$ 0.000 χ^2 /NDF:1778818.0/37

All: 2.366 $\pm$ 0.000 χ^2 /NDF: 27324586822992

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 56.366+/-0.000 χ^2/NDF : 8017656.1/16

Left Out: 12.321+/-0.008 χ^2/NDF :163601.5/18

Right Out: 91.232+/-0.000 χ^2/NDF : 17922403.4/18

Left In: 12.294+/-0.008 χ^2/NDF :139218.7/16

Left: 12.307+/-0.006 χ^2/NDF : 302825.9/35

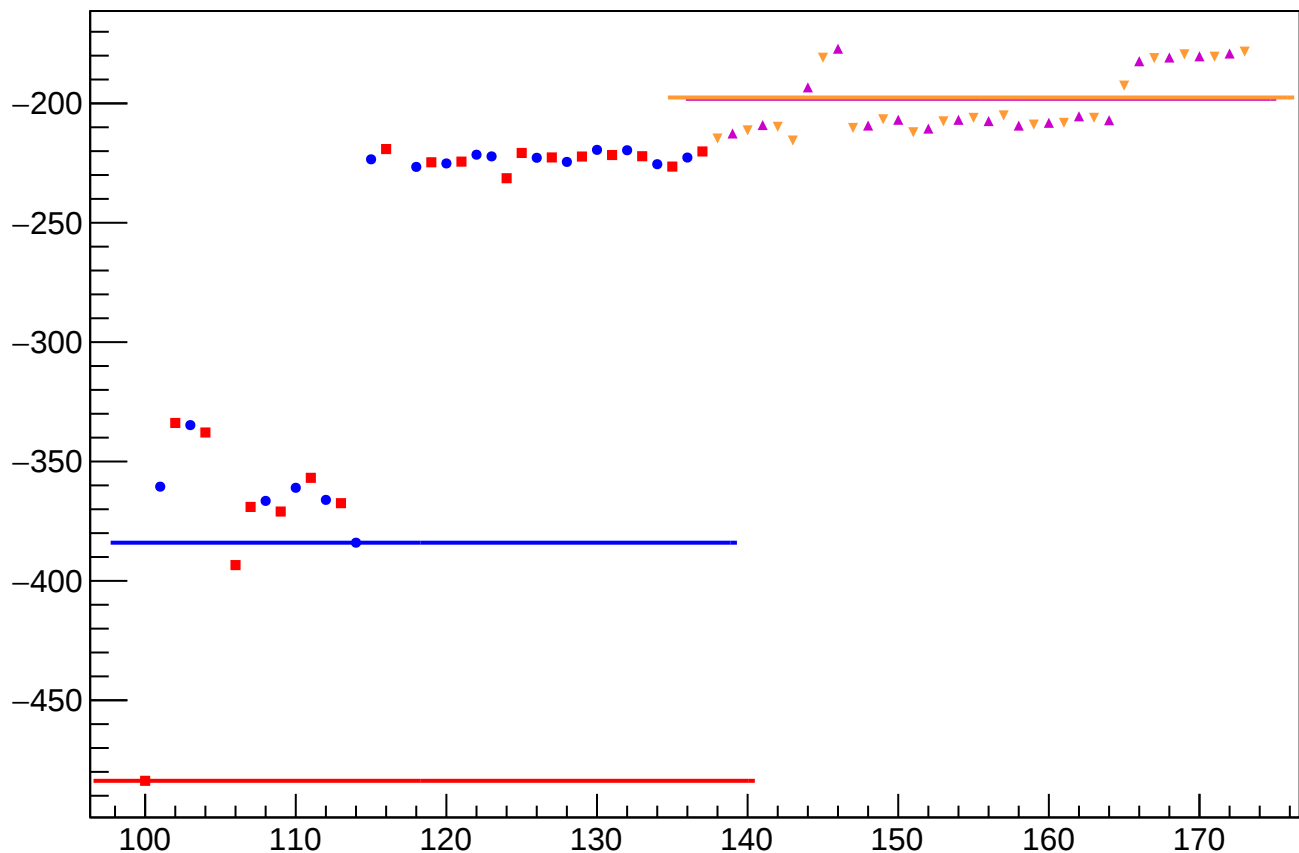
Right: 60.550+/-0.000 χ^2/NDF : 3178336126771154

In: 56.366+/-0.000 χ^2/NDF :40416922.9/33

Out: 91.232+/-0.000 χ^2/NDF :116290289.3/37

All: 60.550+/-0.000 χ^2/NDF : 3178336126771

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -384.003+/-0.000 χ^2/NDF : 17098507.2/16

Left Out: -197.528+/-0.015 χ^2/NDF : 930823.4/18

Right Out: -483.735+/-0.000 χ^2/NDF : 27646775.0/18

Left In: -198.069+/-0.014 χ^2/NDF : 890111.3/16

Left: -197.813+/-0.010 χ^2/NDF : 1821625.4/35

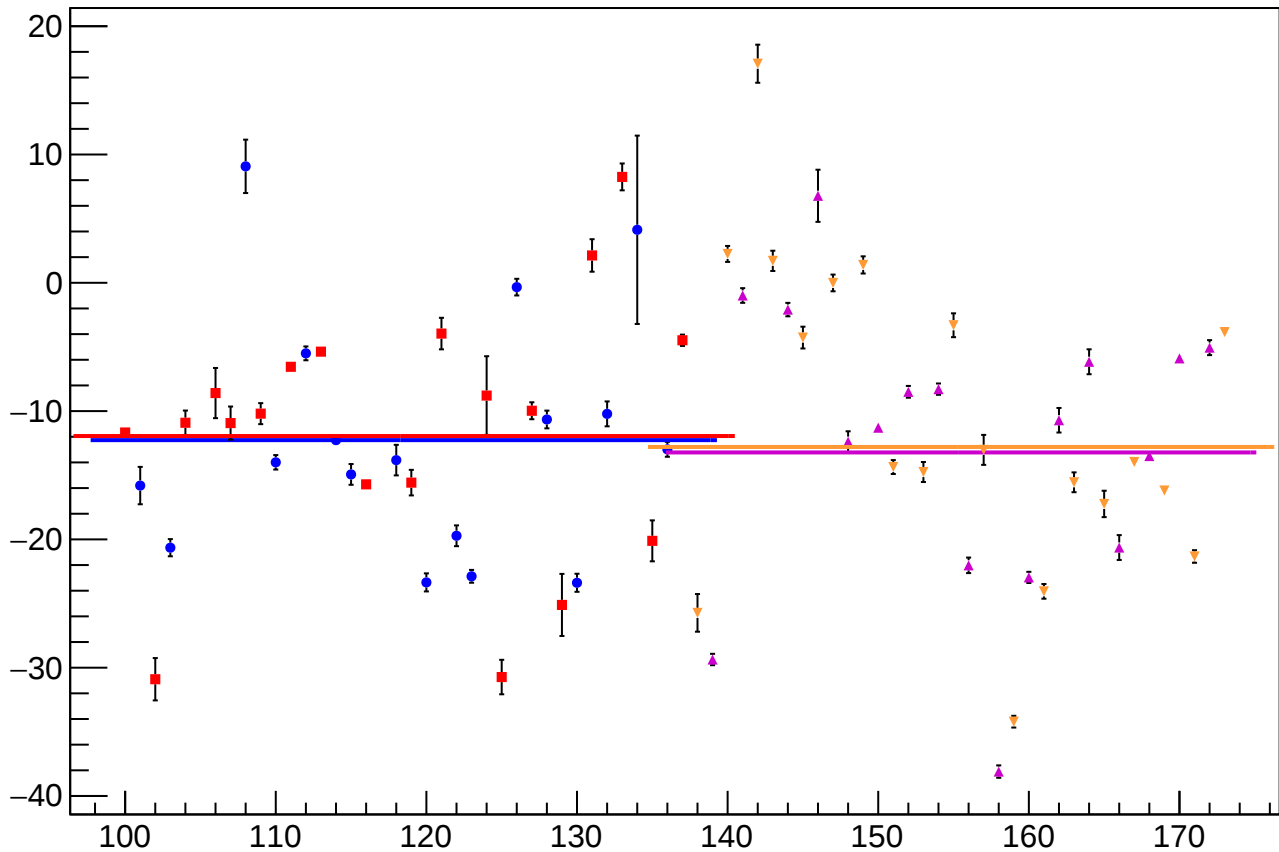
Right: -452.390+/-0.000 χ^2/NDF : 58047820362383

In: -384.003+/-0.000 χ^2/NDF : 189818101.4/33

Out: -483.735+/-0.000 χ^2/NDF : 394754446.5/37

All: -452.390+/-0.000 χ^2/NDF : 58047820362

dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -12.264 ± 0.000 $\chi^2/\text{NDF}: 1844.2/16$

Left Out: -12.795 ± 0.130 $\chi^2/\text{NDF}: 6088.2/18$

Right Out: -11.943 ± 0.108 $\chi^2/\text{NDF}: 2527.1/18$

Left In: -13.223 ± 0.119 $\chi^2/\text{NDF}: 6932.9/16$

Left: -13.027 ± 0.088 $\chi^2/\text{NDF}: 13027.0/35$

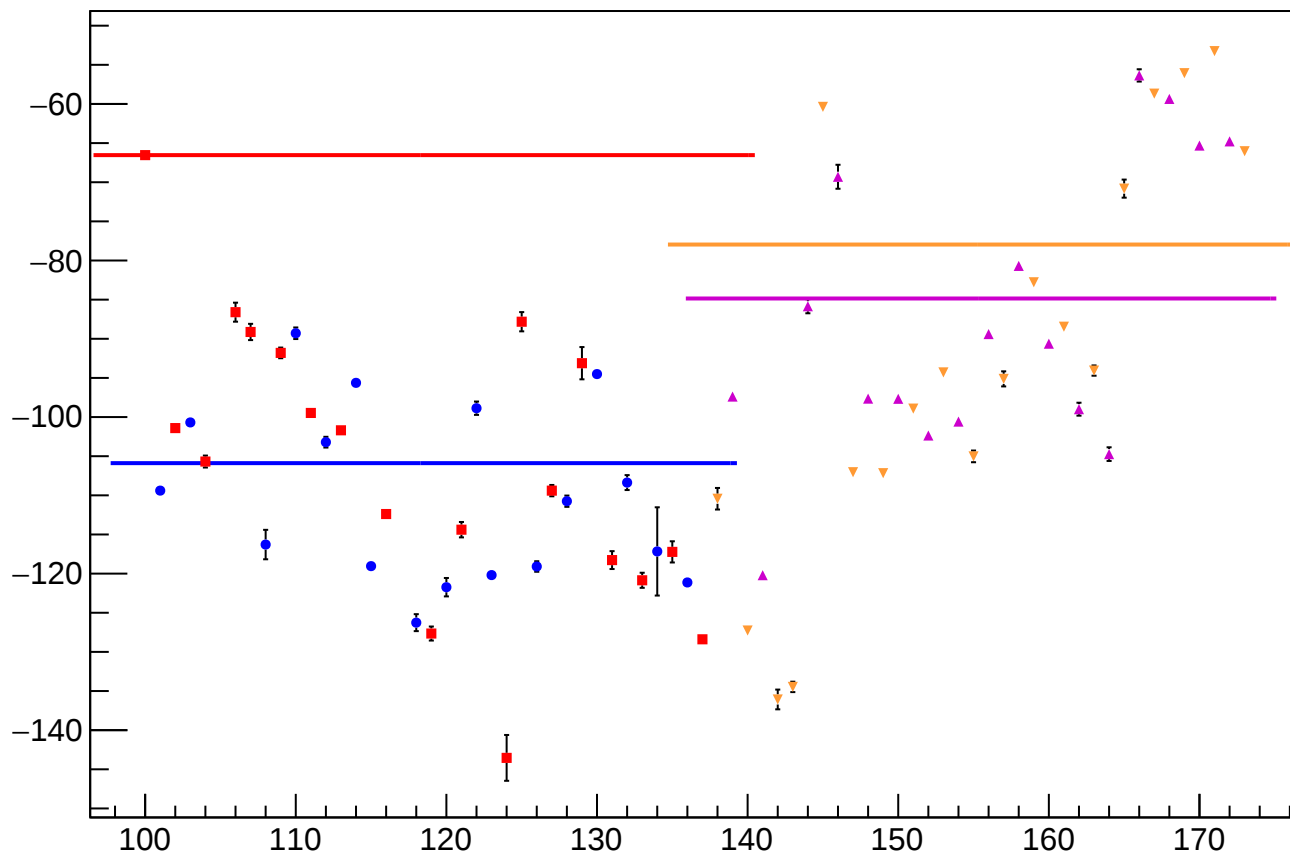
Right: -12.264 ± 0.000 $\chi^2/\text{NDF}: 4380.1/35$

In: -12.264 ± 0.000 $\chi^2/\text{NDF}: 8841.8/33$

Out: -12.292 ± 0.083 $\chi^2/\text{NDF}: 8640.9/37$

All: -12.264 ± 0.000 $\chi^2/\text{NDF}: 17482.8/71$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -105.886 ± 0.108 χ^2/NDF : 6351.6/16

Left Out: -77.960 ± 0.104 χ^2/NDF : 50556.4/18

Right Out: -66.536 ± 0.000 χ^2/NDF : 794335.4/18

Left In: -84.853 ± 0.099 χ^2/NDF : 33379.6/16

Left: -81.587 ± 0.072 χ^2/NDF : 86226.5/35

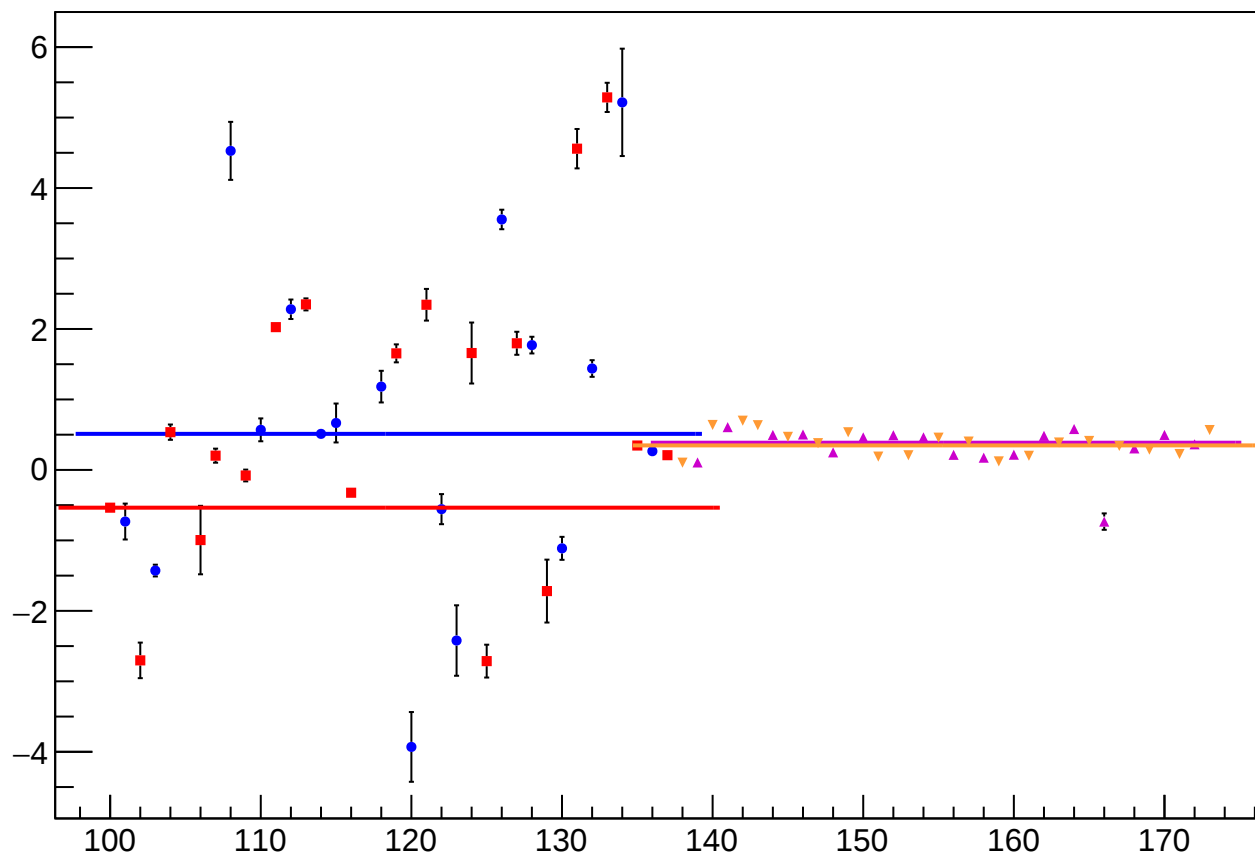
Right: -66.536 ± 0.000 χ^2/NDF : 934616.3/35

In: -94.517 ± 0.073 χ^2/NDF : 60415.7/33

Out: -66.536 ± 0.000 χ^2/NDF : 856845.6/37

All: -66.536 ± 0.000 χ^2/NDF : 1064645.4/71

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.512 $\pm$ 0.000 χ^2 /NDF: 3863.6/16

Left Out: 0.348 $\pm$ 0.002 χ^2 /NDF:8746.2/18

Right Out: -0.536 $\pm$ 0.000 χ^2 /NDF: 33055.3/18

Left In: 0.386 $\pm$ 0.002 χ^2 /NDF:8289.0/16

Left: 0.368 $\pm$ 0.001 χ^2 /NDF: 17251.2/35

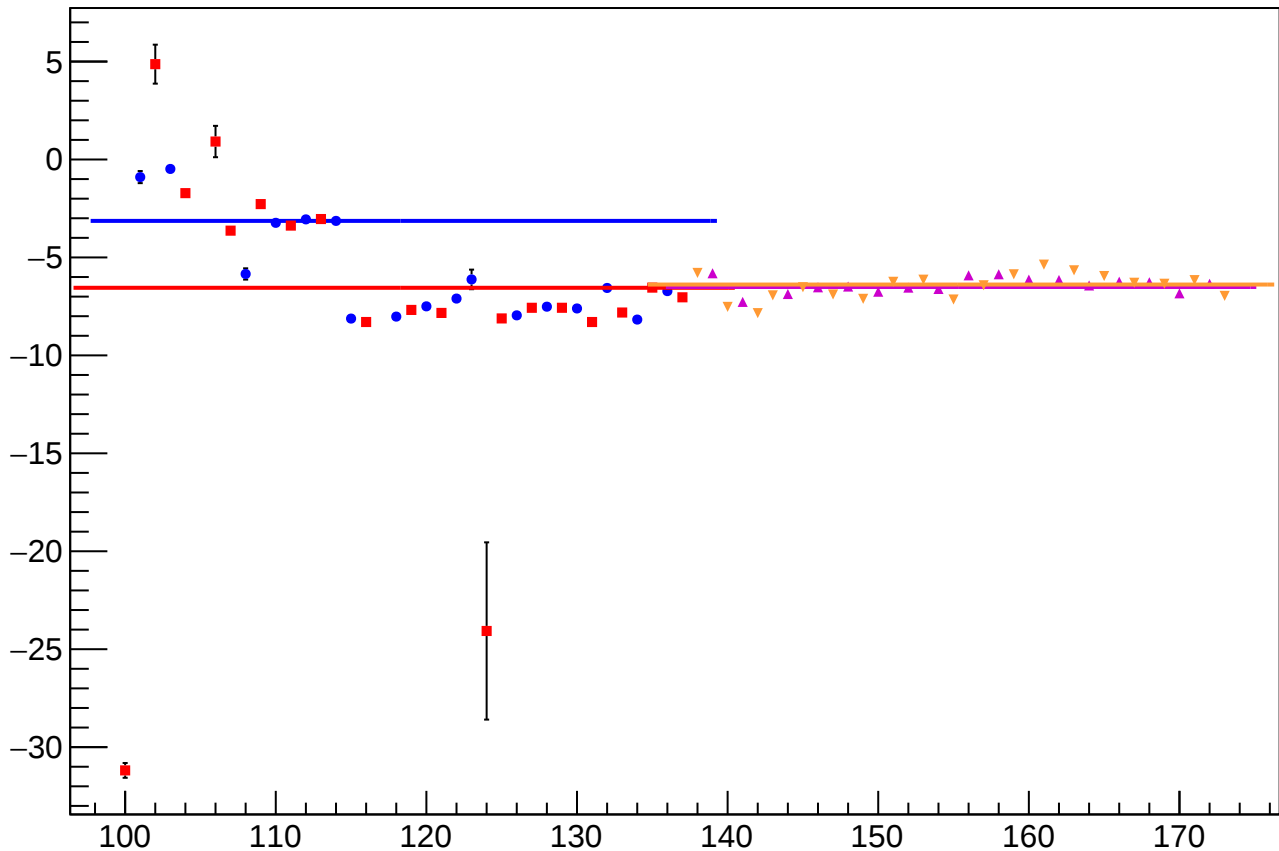
Right: 0.142 $\pm$ 0.000 χ^2 /NDF: 34560328403056077

In: 0.512 $\pm$ 0.000 χ^2 /NDF:17040.4/33

Out: -0.536 $\pm$ 0.000 χ^2 /NDF:264122.8/37

All: 0.142 $\pm$ 0.000 χ^2 /NDF: 34560328403056

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -3.134+/-0.000 χ^2/NDF : 368547.6/16

Left Out: -6.384+/-0.005 χ^2/NDF : 6320.8/18

Right Out: -6.549+/-0.008 χ^2/NDF : 92207.3/18

Left In: -6.508+/-0.005 χ^2/NDF : 6515.2/16

Left: -6.449+/-0.004 χ^2/NDF : 13143.3/35

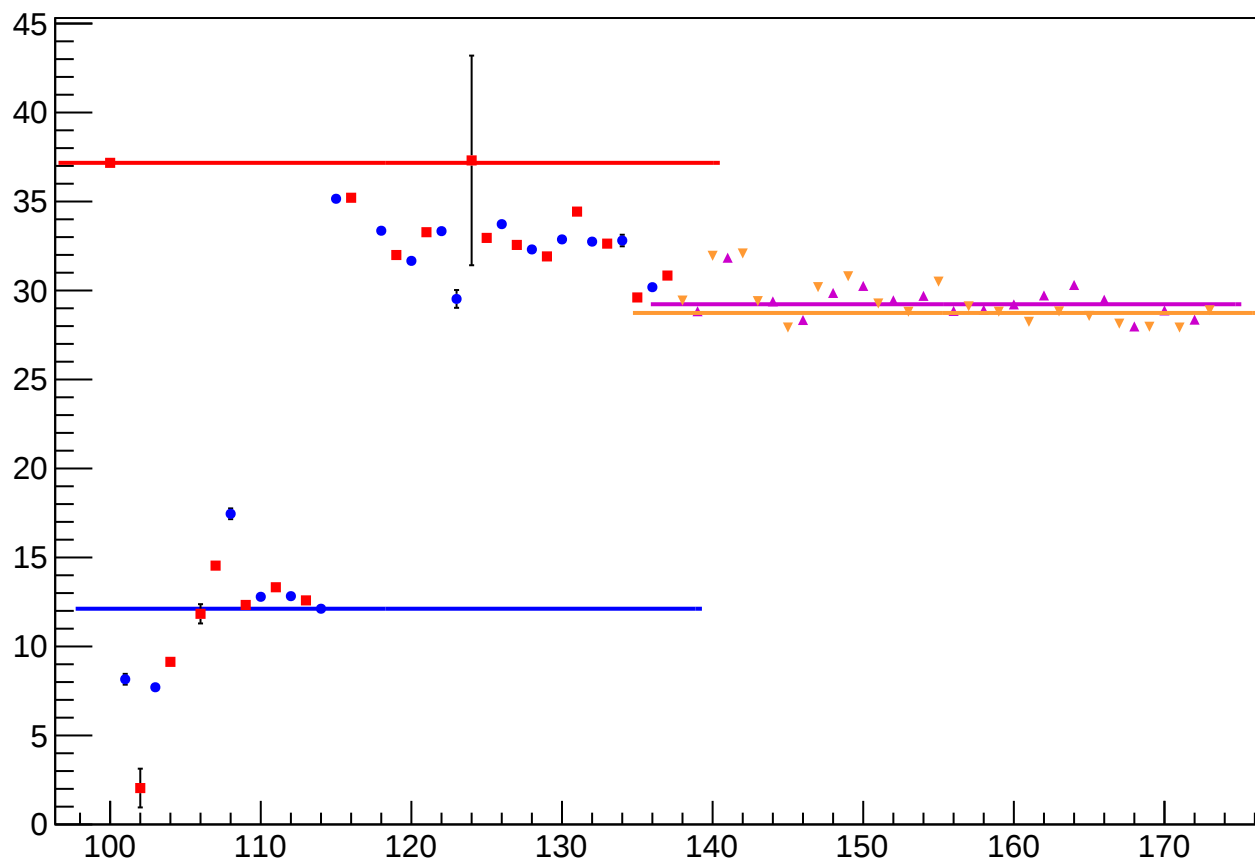
Right: -3.134+/-0.000 χ^2/NDF : 667054.5/35

In: -3.134+/-0.000 χ^2/NDF : 854735.3/33

Out: -6.437+/-0.004 χ^2/NDF : 98858.0/37

All: -3.134+/-0.000 χ^2/NDF : 1561825.3/71

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 12.121 $\pm$ 0.000 χ^2 /NDF: 1993680.8/16

Left Out: 28.739 $\pm$ 0.009 χ^2 /NDF:12782.2/18

Right Out: 37.173 $\pm$ 0.000 χ^2 /NDF: 1531278.0/18

Left In: 29.228 $\pm$ 0.009 χ^2 /NDF:6679.4/16

Left: 28.984 $\pm$ 0.006 χ^2 /NDF: 20939.5/35

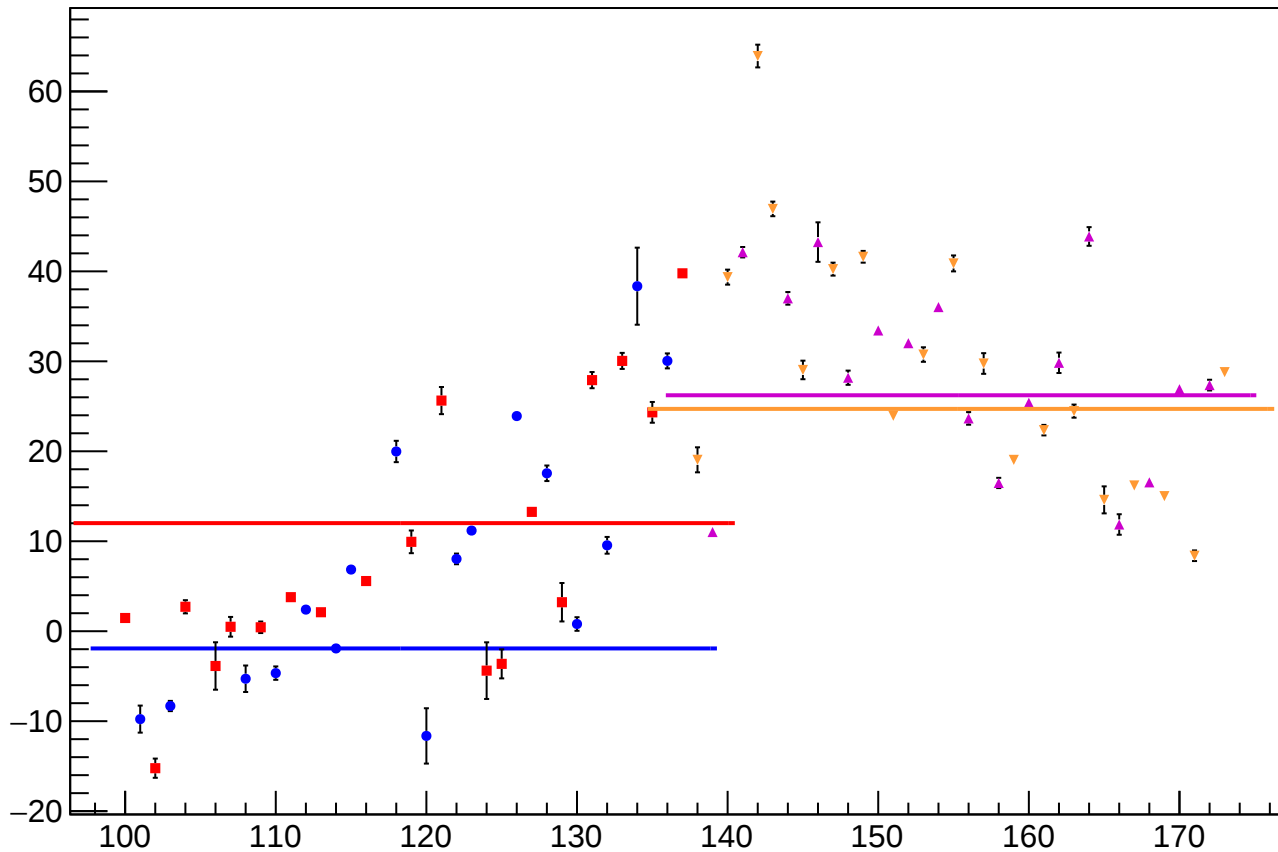
Right: 15.127 $\pm$ 0.000 χ^2 /NDF: 6563554116066231

In: 12.121 $\pm$ 0.000 χ^2 /NDF:5623649.4/33

Out: 37.173 $\pm$ 0.000 χ^2 /NDF:2423555.3/37

All: 15.127 $\pm$ 0.000 χ^2 /NDF: 6563554116066231

dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -1.915 ± 0.000 χ^2/NDF : 6338.8/16

Left Out: 24.712 ± 0.142 χ^2/NDF : 5794.8/18

Right Out: 12.014 ± 0.135 χ^2/NDF : 12576.1/18

Left In: 26.226 ± 0.127 χ^2/NDF : 5441.3/16

Left: 25.550 ± 0.095 χ^2/NDF : 11299.3/35

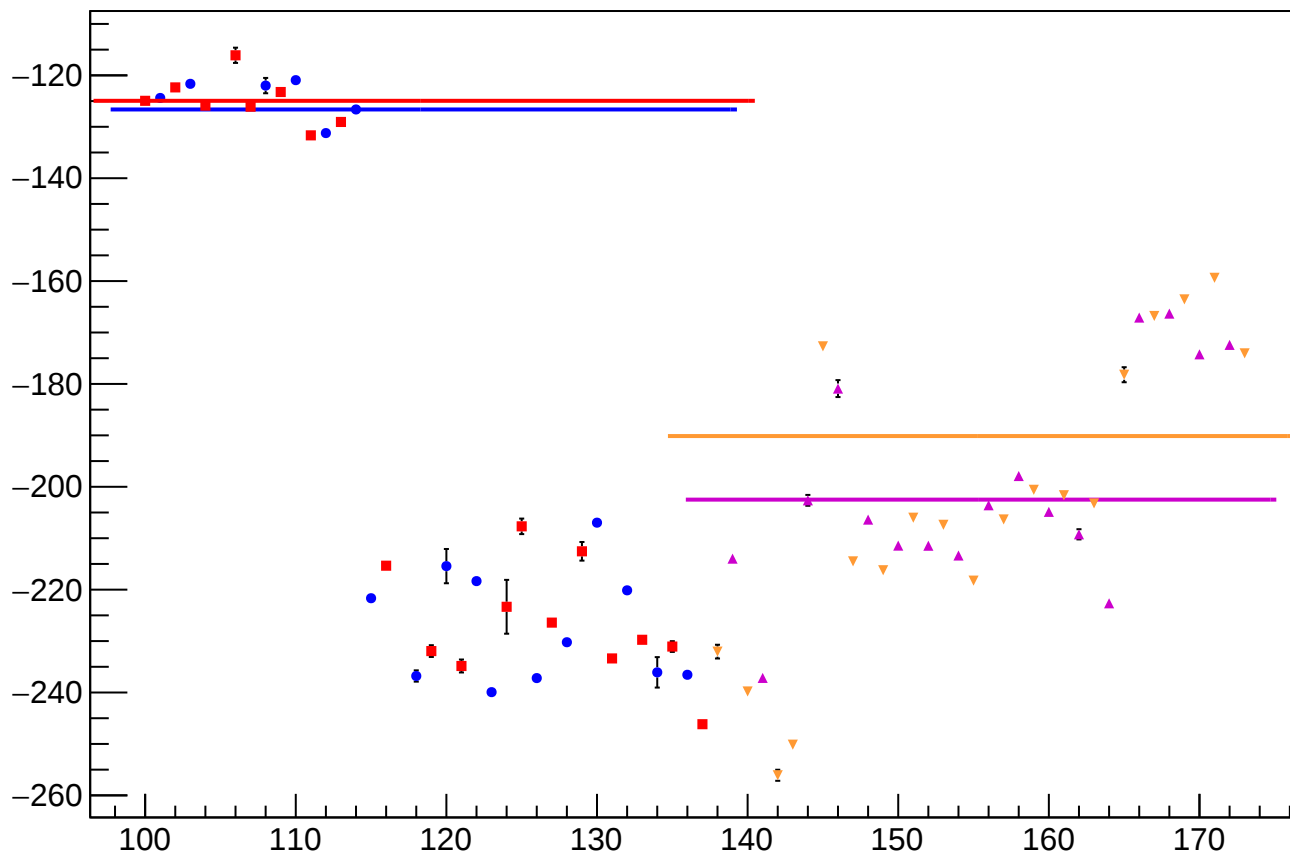
Right: -1.915 ± 0.000 χ^2/NDF : 29534.8/35

In: -1.915 ± 0.000 χ^2/NDF : 60599.7/33

Out: 18.064 ± 0.098 χ^2/NDF : 22576.5/37

All: -1.915 ± 0.000 χ^2/NDF : 124912.8/71

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -126.632 ± 0.000 $\chi^2/\text{NDF}: 278525.1/16$

Left Out: -190.136 ± 0.114 $\chi^2/\text{NDF}: 47695.1/18$

Right Out: -124.949 ± 0.000 $\chi^2/\text{NDF}: 470459.3/18$

Left In: -202.496 ± 0.108 $\chi^2/\text{NDF}: 30095.9/16$

Left: -196.693 ± 0.078 $\chi^2/\text{NDF}: 83992.4/35$

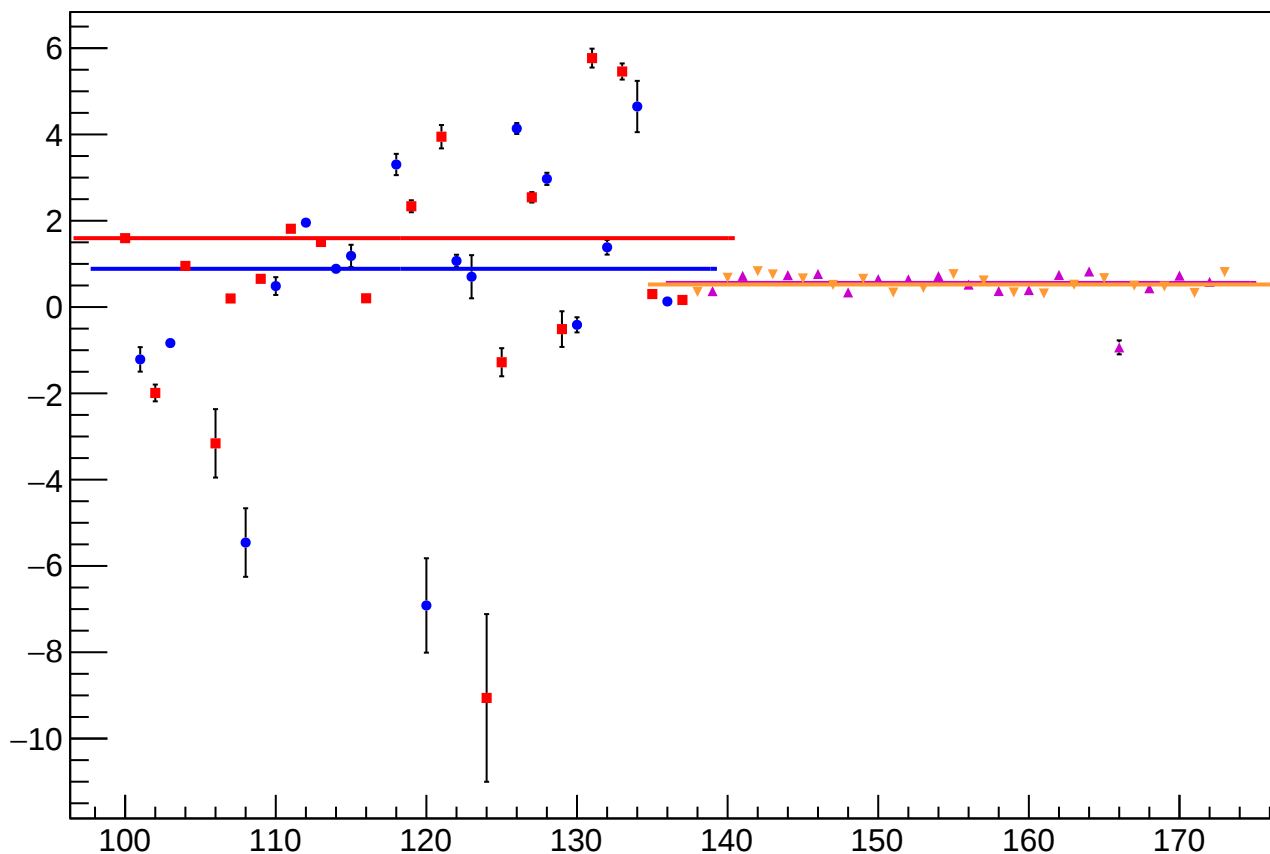
Right: -126.038 ± 0.000 $\chi^2/\text{NDF}: 60537895424820$

In: -126.632 ± 0.000 $\chi^2/\text{NDF}: 806176.1/33$

Out: -124.949 ± 0.000 $\chi^2/\text{NDF}: 843290.5/37$

All: -126.038 ± 0.000 $\chi^2/\text{NDF}: 60537895424$

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.886+/-0.000 χ^2/NDF : 9294.4/16

Left Out: 0.523+/-0.002 χ^2/NDF : 8005.6/18

Right Out: 1.597+/-0.000 χ^2/NDF : 4615.5/18

Left In: 0.559+/-0.002 χ^2/NDF : 5289.6/16

Left: 0.541+/-0.002 χ^2/NDF : 13435.6/35

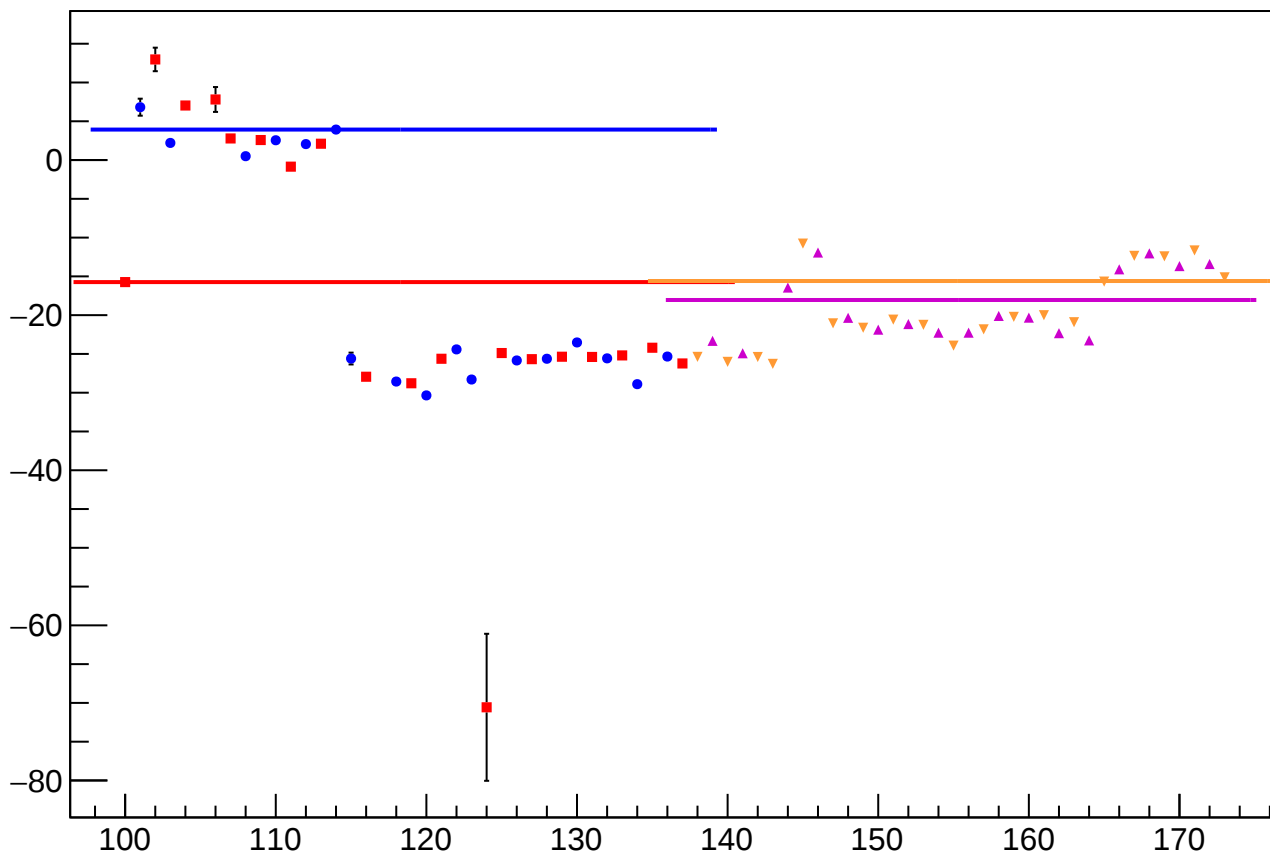
Right: 1.137+/-0.000 χ^2/NDF : 39737604737084083

In: 0.886+/-0.000 χ^2/NDF : 37201.6/33

Out: 1.597+/-0.000 χ^2/NDF : 265779.5/37

All: 1.137+/-0.000 χ^2/NDF : 39737604737084083

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 3.930+/-0.000 χ^2/NDF : 6140834.2/16

Left Out: -15.598+/-0.012 χ^2/NDF :172157.2/18

Right Out: -15.737+/-0.000 χ^2/NDF : 267951.2/18

Left In: -18.045+/-0.012 χ^2/NDF :106573.9/16

Left: -16.756+/-0.008 χ^2/NDF : 299564.5/35

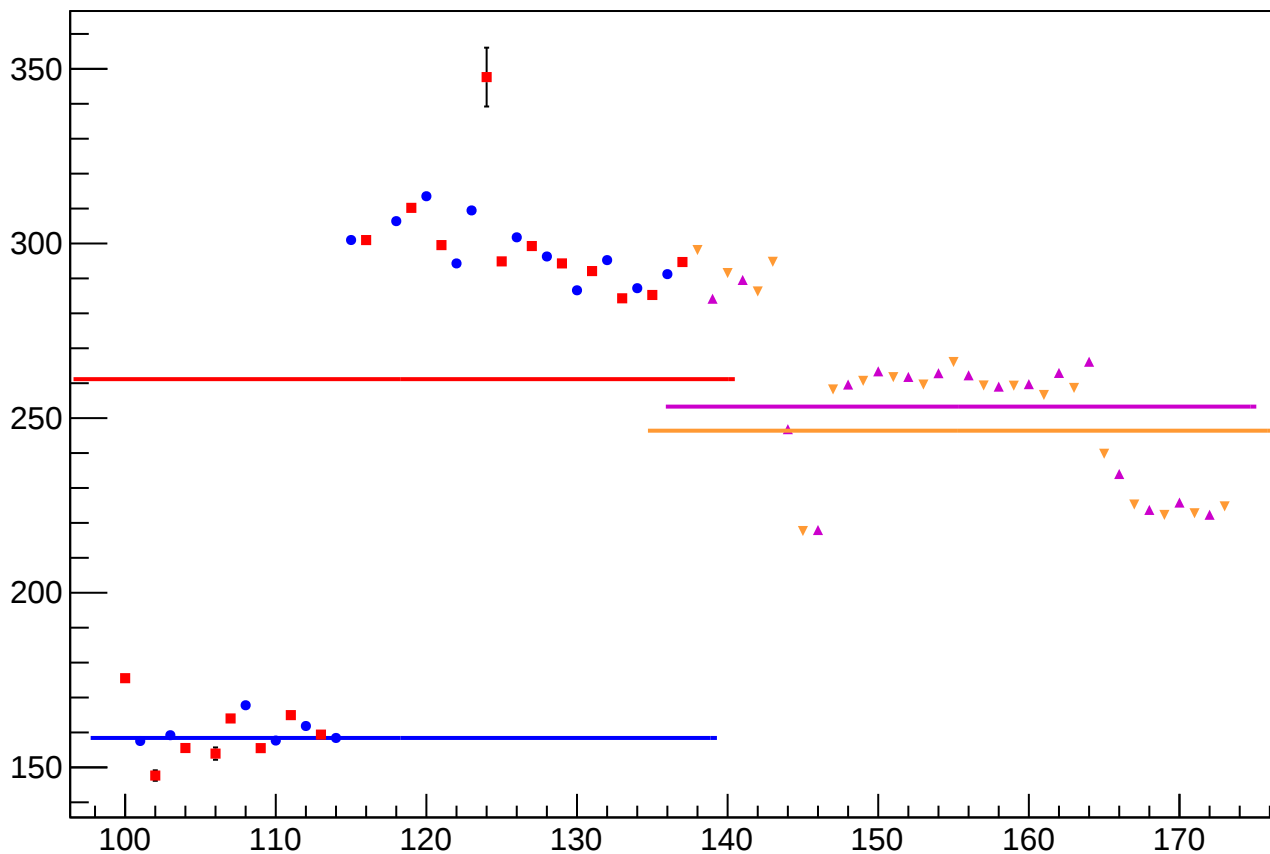
Right: 3.282+/-0.000 χ^2/NDF : 71120480173548026

In: 3.930+/-0.000 χ^2/NDF :9434881.1/33

Out: -15.737+/-0.000 χ^2/NDF :440249.6/37

All: 3.282+/-0.000 χ^2/NDF : 71120480173548

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.426+/-0.000 χ^2/NDF : 3516706.2/16

Left Out: 246.403+/-0.029 χ^2/NDF : 689838.7/18

Right Out: 261.159+/-0.058 χ^2/NDF : 1071248.7/18

Left In: 253.296+/-0.029 χ^2/NDF : 322722.0/16

Left: 249.782+/-0.020 χ^2/NDF : 1041101.6/35

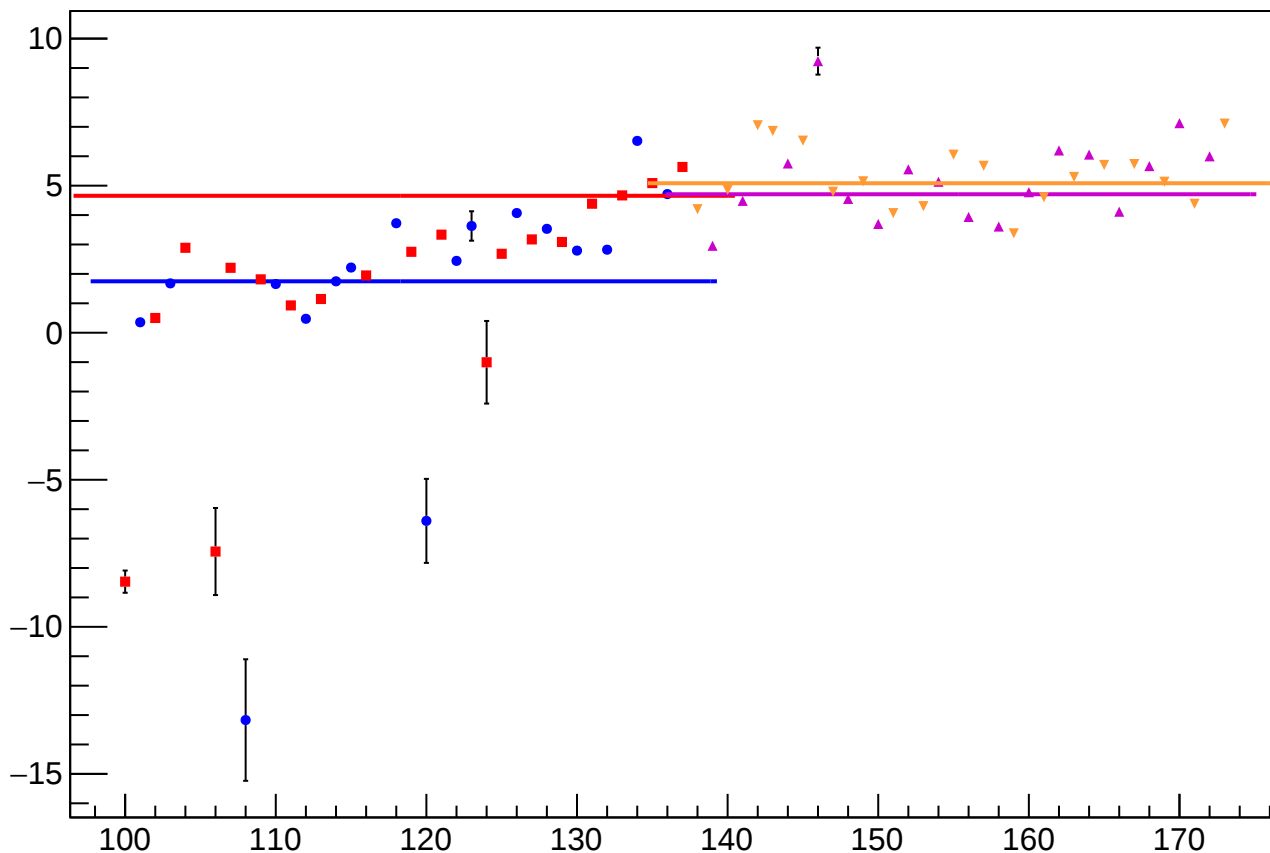
Right: 158.426+/-0.000 χ^2/NDF : 7687009.8/35

In: 158.426+/-0.000 χ^2/NDF : 14443533.9/33

Out: 249.255+/-0.026 χ^2/NDF : 1812663.0/37

All: 158.426+/-0.000 χ^2/NDF : 28788876.6/73

dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 1.748 $\pm$ 0.000 χ^2 /NDF: 11344.3/16

Left Out: 5.082 $\pm$ 0.015 χ^2 /NDF:3456.1/18

Right Out: 4.656 $\pm$ 0.006 χ^2 /NDF: 68303.7/18

Left In: 4.708 $\pm$ 0.014 χ^2 /NDF:8653.0/16

Left: 4.886 $\pm$ 0.010 χ^2 /NDF: 12450.9/35

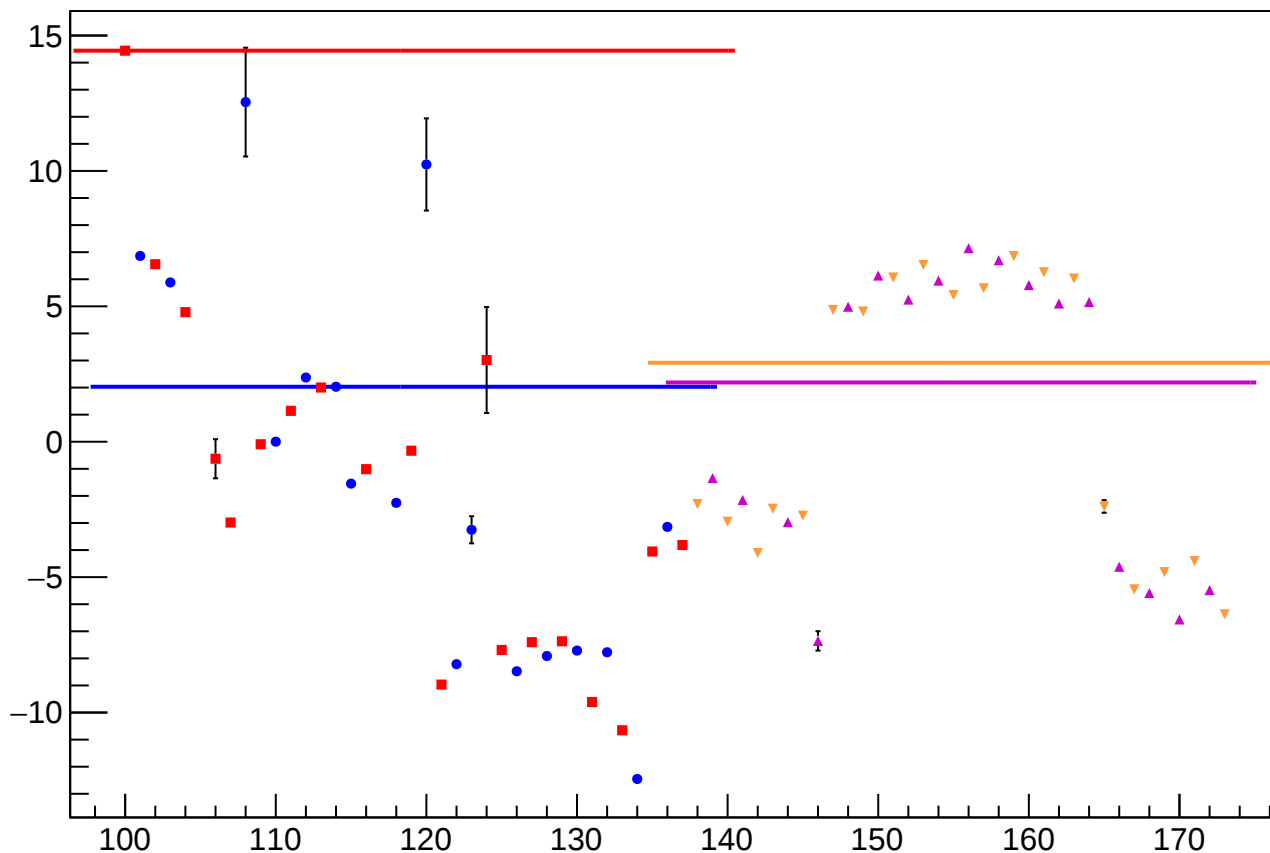
Right: 1.748 $\pm$ 0.000 χ^2 /NDF: 288719.9/35

In: 1.748 $\pm$ 0.000 χ^2 /NDF:64879.8/33

Out: 4.723 $\pm$ 0.006 χ^2 /NDF:72470.0/37

All: 1.748 $\pm$ 0.000 χ^2 /NDF: 397212.2/71

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: 2.030 ± 0.000 $\chi^2/\text{NDF} = 202792.6/16$

Left Out: 2.917 ± 0.012 $\chi^2/\text{NDF} = 135486.7/18$

Right Out: 14.441 ± 0.000 $\chi^2/\text{NDF} = 5836025.9/18$

Left In: 2.189 ± 0.012 $\chi^2/\text{NDF} = 178898.0/16$

Left: 2.546 ± 0.009 $\chi^2/\text{NDF} = 316182.7/35$

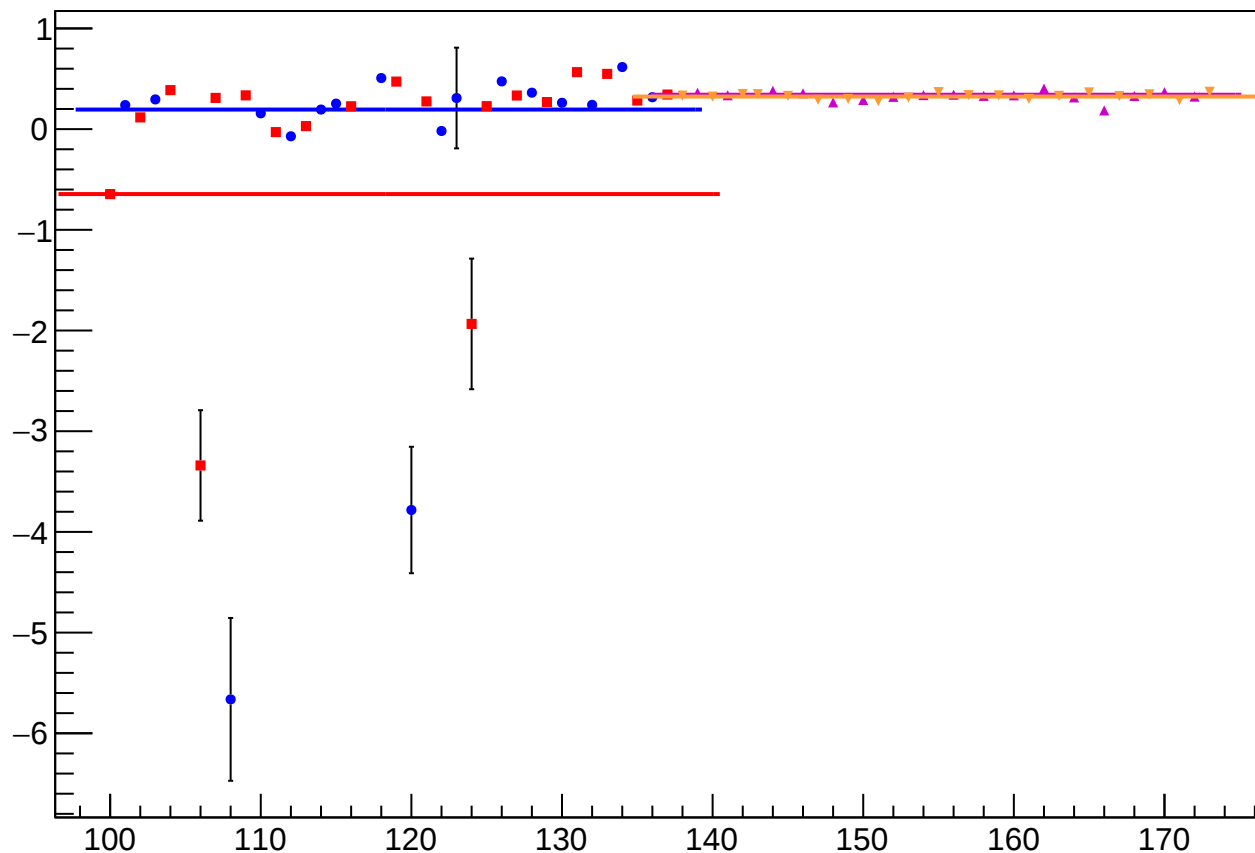
Right: 2.439 ± 0.000 $\chi^2/\text{NDF} = 70811145349033114$

In: 2.030 ± 0.000 $\chi^2/\text{NDF} = 381864.7/33$

Out: 14.441 ± 0.000 $\chi^2/\text{NDF} = 6855679.2/37$

All: 2.439 ± 0.000 $\chi^2/\text{NDF} = 70811145349033$

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.194+/-0.000 χ^2/NDF : 9617.3/16

Left Out: 0.323+/-0.001 χ^2/NDF : 2039.8/18

Right Out: -0.645+/-0.000 χ^2/NDF : 191963.2/18

Left In: 0.342+/-0.001 χ^2/NDF : 3210.6/16

Left: 0.332+/-0.000 χ^2/NDF : 5743.8/35

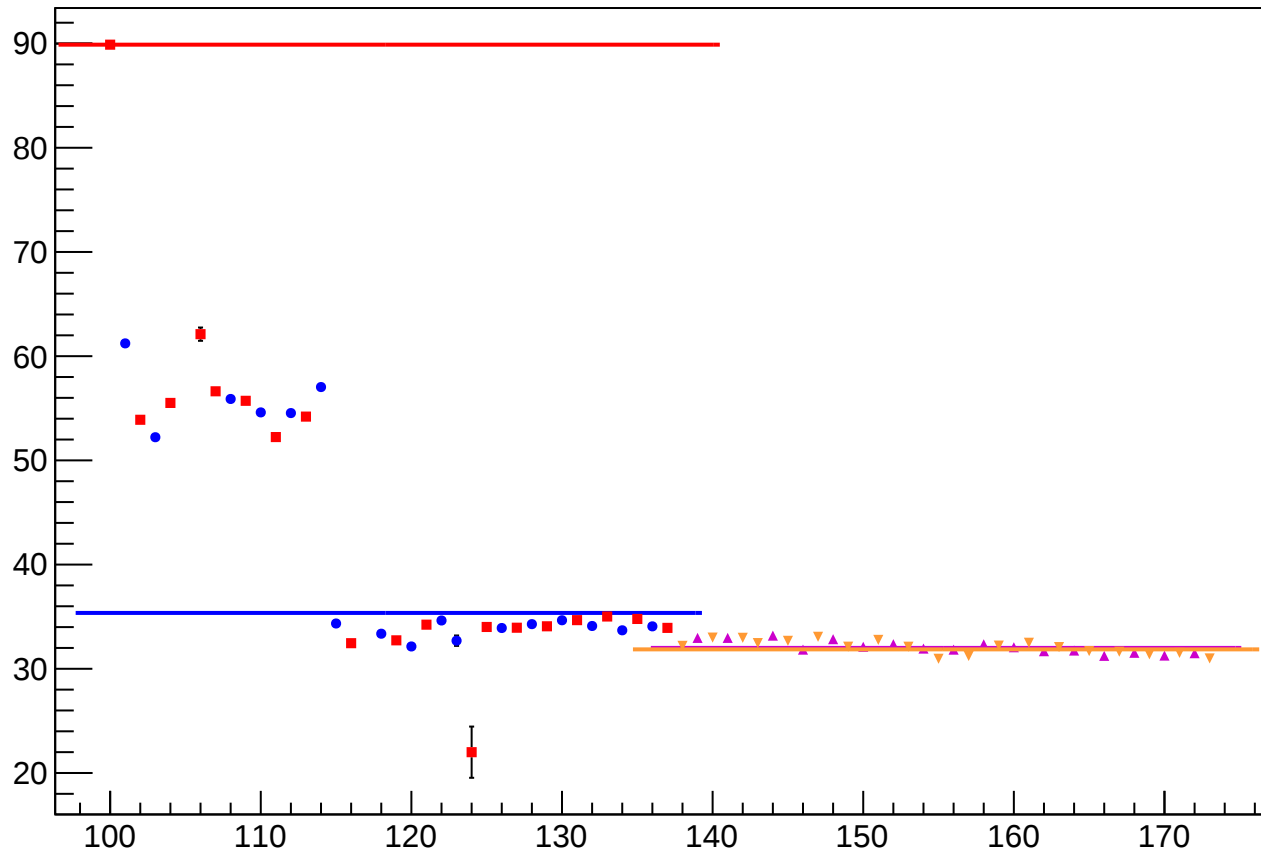
Right: 0.167+/-0.000 χ^2/NDF : 33165765284559017

In: 0.194+/-0.000 χ^2/NDF : 76287.4/33

Out: -0.645+/-0.000 χ^2/NDF : 3013444.7/37

All: 0.167+/-0.000 χ^2/NDF : 33165765284559017

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.361 $\pm$ 0.011 χ^2 /NDF: 204481.2/16

Left Out: 31.863 $\pm$ 0.003 χ^2 /NDF: 23920.5/18

Right Out: 89.893 $\pm$ 0.000 χ^2 /NDF: 68670863.1/18

Left In: 32.004 $\pm$ 0.004 χ^2 /NDF: 13099.3/16

Left: 31.923 $\pm$ 0.002 χ^2 /NDF: 37802.4/35

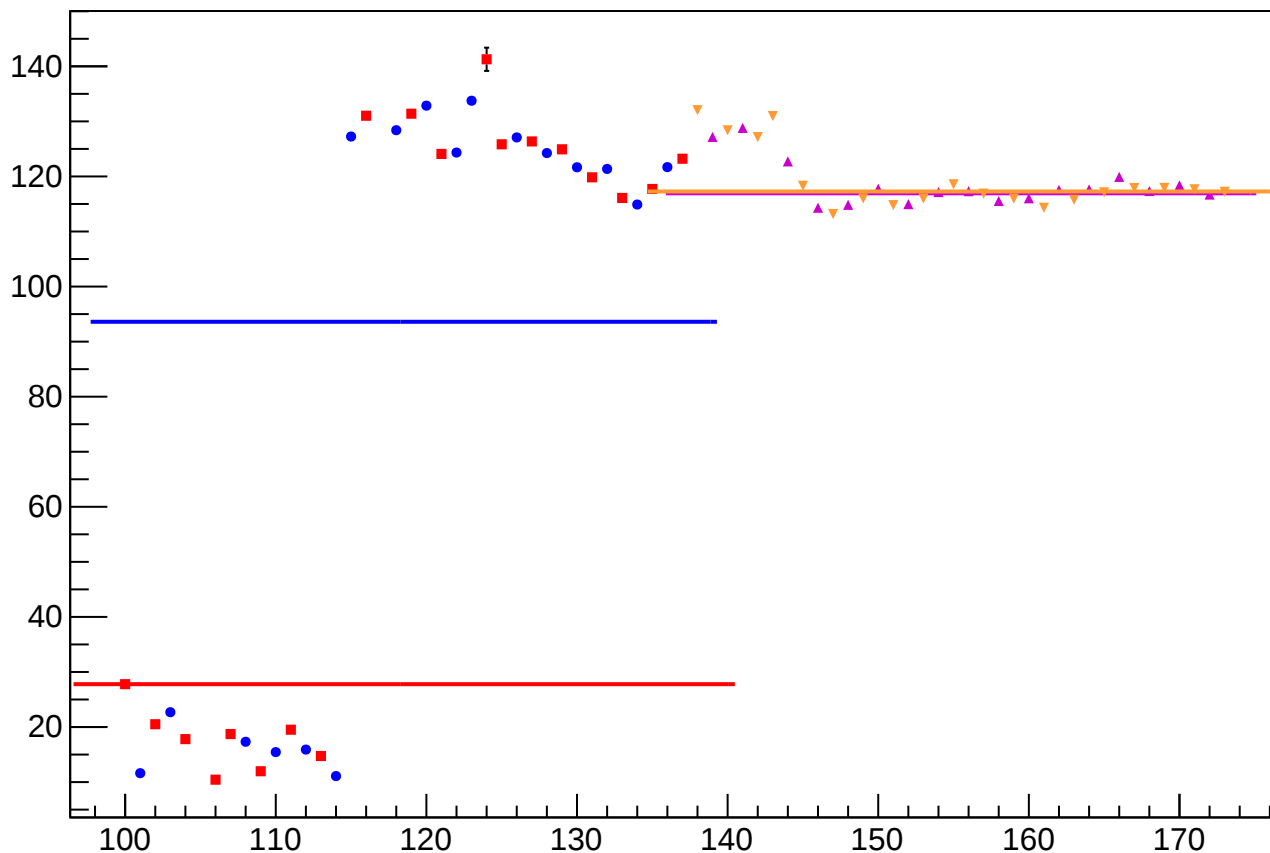
Right: 89.893 $\pm$ 0.000 χ^2 /NDF: 93132320.2/35

In: 32.358 $\pm$ 0.004 χ^2 /NDF: 299812.5/33

Out: 89.893 $\pm$ 0.000 χ^2 /NDF: 381232791.1/37

All: 89.893 $\pm$ 0.000 χ^2 /NDF: 637328977.2/71

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 93.605 ± 0.027 χ^2/NDF : 2987877.5/16

Left Out: 117.271 ± 0.008 χ^2/NDF : 139404.3/18

Right Out: 27.785 ± 0.000 χ^2/NDF : 7919263.8/18

Left In: 116.935 ± 0.009 χ^2/NDF : 43941.4/16

Left: 117.120 ± 0.006 χ^2/NDF : 184134.4/35

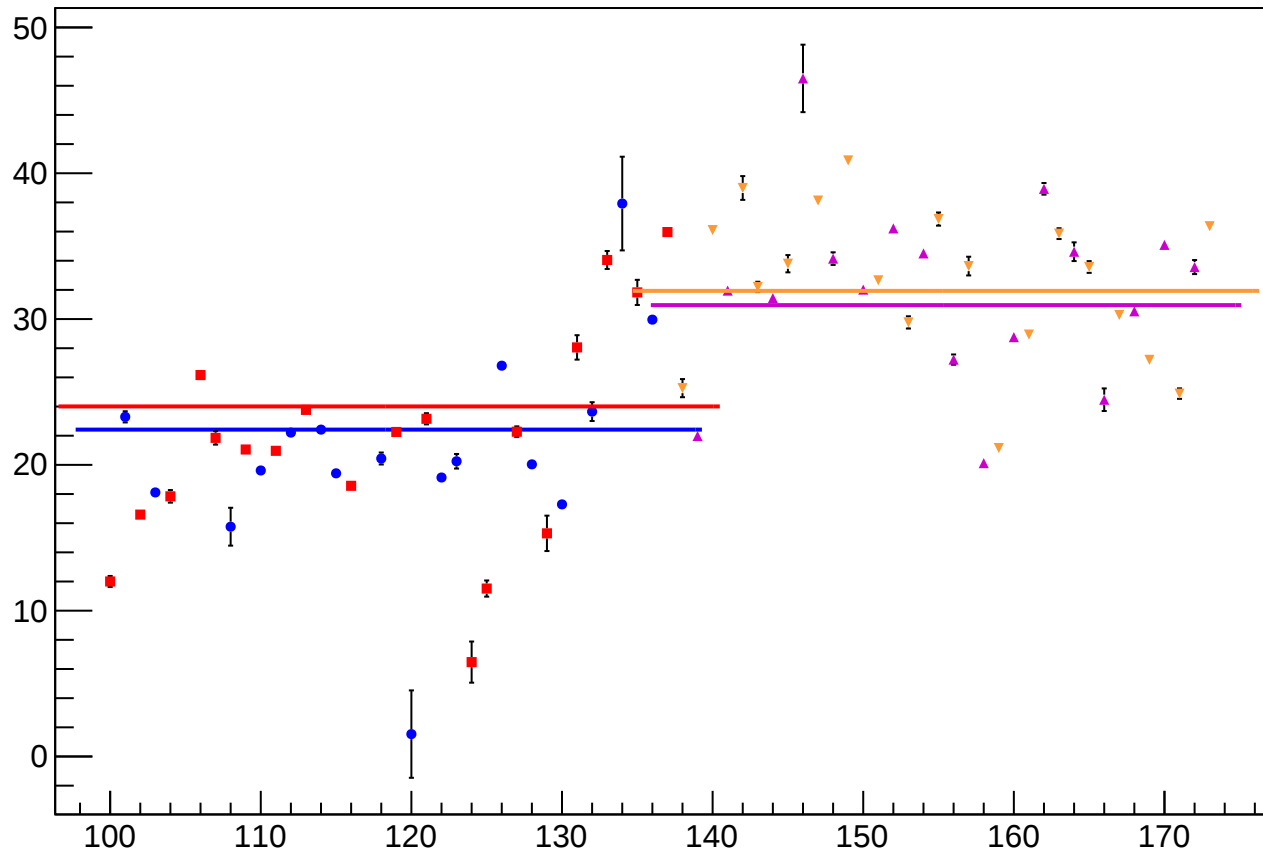
Right: 27.785 ± 0.000 χ^2/NDF : 16894092.4/35

In: 114.641 ± 0.008 χ^2/NDF : 3710048.5/33

Out: 27.785 ± 0.000 χ^2/NDF : 132912858.5/37

All: 27.785 ± 0.000 χ^2/NDF : 242676626.4/71

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 22.418 ± 0.000 $\chi^2/\text{NDF}: 3247.9/16$

Left Out: 31.934 ± 0.077 $\chi^2/\text{NDF}: 4740.7/18$

Right Out: 24.008 ± 0.058 $\chi^2/\text{NDF}: 15408.9/18$

Left In: 30.956 ± 0.068 $\chi^2/\text{NDF}: 5493.2/16$

Left: 31.382 ± 0.051 $\chi^2/\text{NDF}: 10325.3/35$

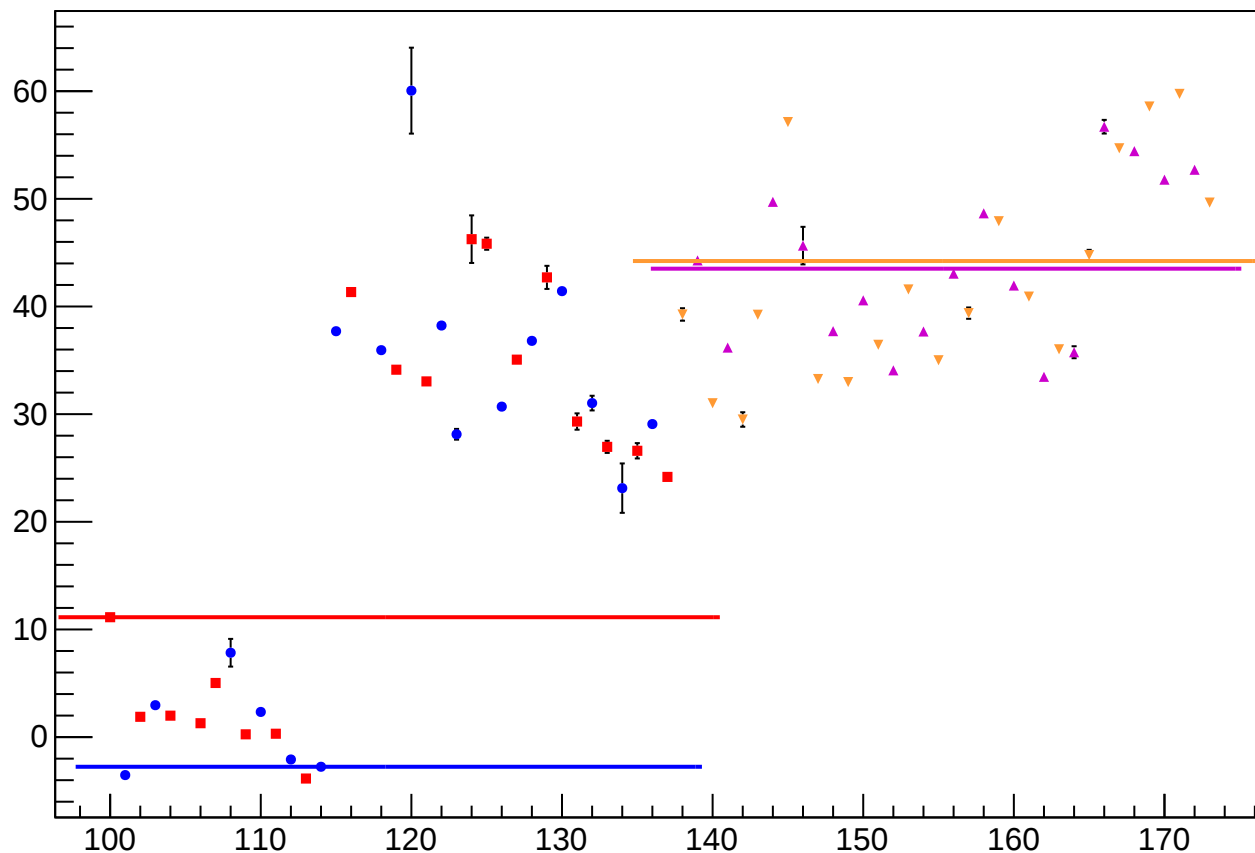
Right: 22.418 ± 0.000 $\chi^2/\text{NDF}: 19415.4/35$

In: 22.418 ± 0.000 $\chi^2/\text{NDF}: 24717.0/33$

Out: 26.871 ± 0.046 $\chi^2/\text{NDF}: 26951.5/37$

All: 22.418 ± 0.000 $\chi^2/\text{NDF}: 60975.1/71$

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: -2.754 ± 0.000 χ^2/NDF : 149281.3/16

Left Out: 44.223 ± 0.064 χ^2/NDF : 21434.8/18

Right Out: 11.137 ± 0.000 χ^2/NDF : 2575367.3/18

Left In: 43.512 ± 0.056 χ^2/NDF : 13022.7/16

Left: 43.823 ± 0.042 χ^2/NDF : 34527.0/35

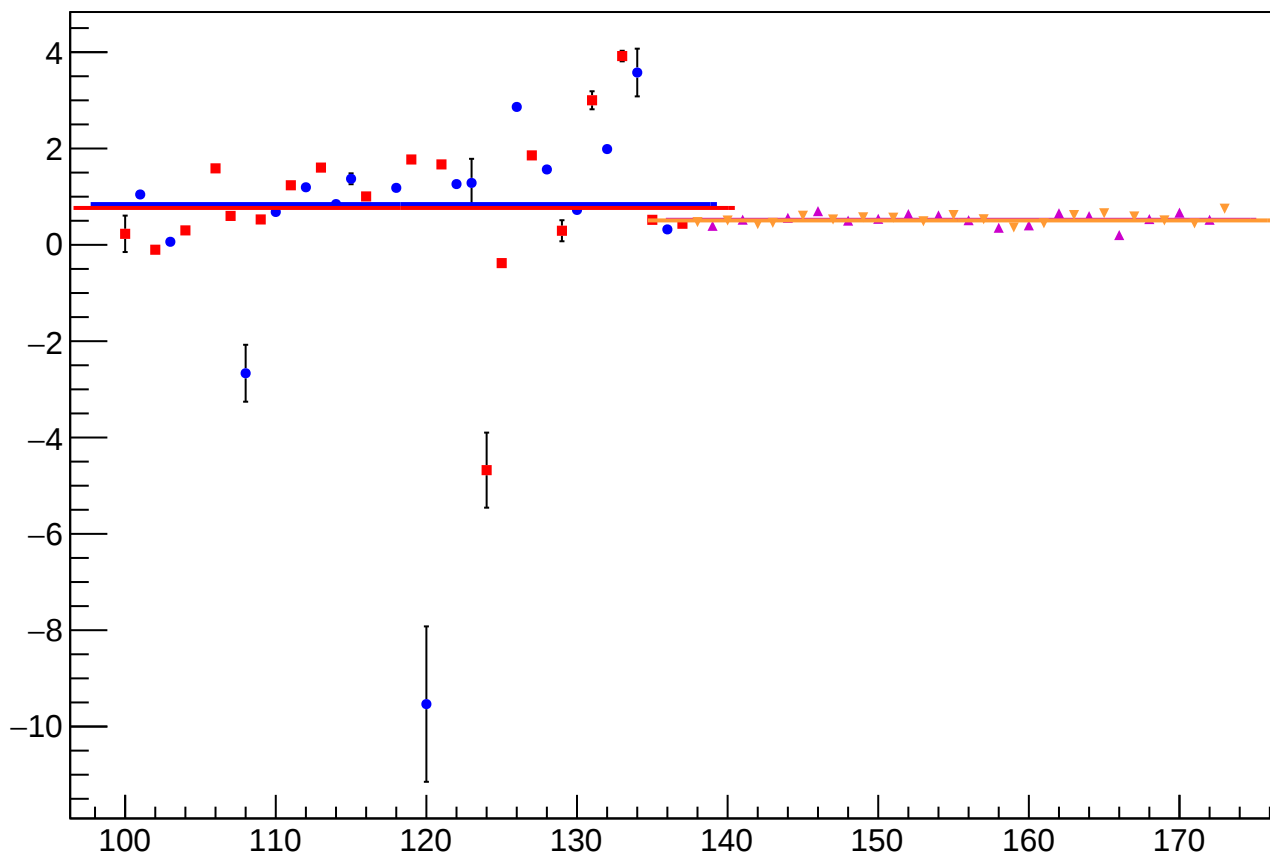
Right: -2.637 ± 0.000 χ^2/NDF : 9095226728437180

In: -2.754 ± 0.000 χ^2/NDF : 833555.4/33

Out: 11.137 ± 0.000 χ^2/NDF : 2864487.8/37

All: -2.637 ± 0.000 χ^2/NDF : 9095226728437

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.846 ± 0.000 χ^2/NDF : 16305.8/16

Left Out: 0.507 ± 0.001 χ^2/NDF : 12049.6/18

Right Out: 0.766 ± 0.007 χ^2/NDF : 4211.3/18

Left In: 0.520 ± 0.001 χ^2/NDF : 10506.9/16

Left: 0.514 ± 0.001 χ^2/NDF : 22630.1/35

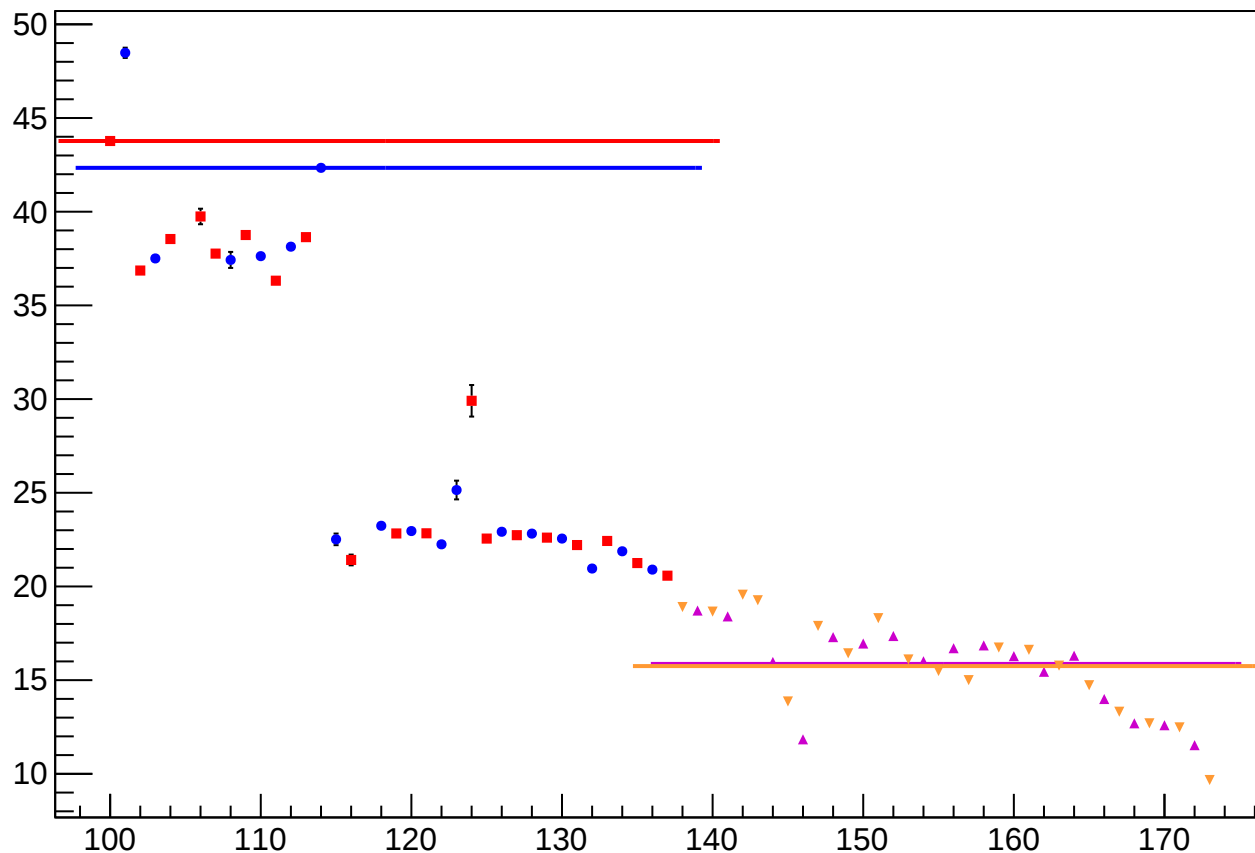
Right: 0.846 ± 0.000 χ^2/NDF : 20651.7/35

In: 0.846 ± 0.000 χ^2/NDF : 121035.8/33

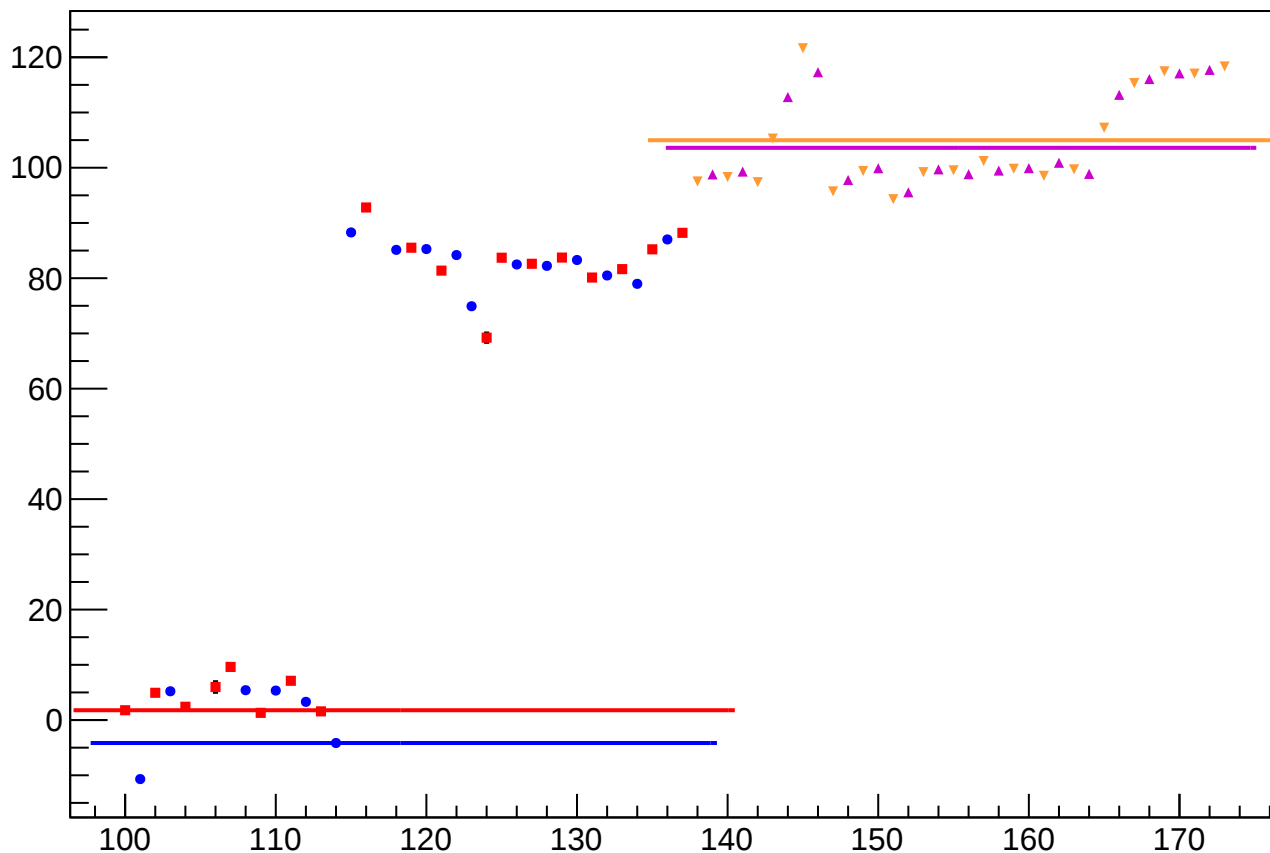
Out: 0.513 ± 0.001 χ^2/NDF : 17624.0/37

All: 0.846 ± 0.000 χ^2/NDF : 236879.1/71

dit_sam6_4aY_slope vs Slug, Sign Corrected



dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -4.155 ± 0.000 χ^2/NDF : 8287312.9/16

Left Out: 104.982 ± 0.011 χ^2/NDF : 593221.9/18

Right Out: 1.777 ± 0.000 χ^2/NDF : 5403608.1/18

Left In: 103.604 ± 0.011 χ^2/NDF : 445486.9/16

Left: 104.303 ± 0.008 χ^2/NDF : 1046086.3/35

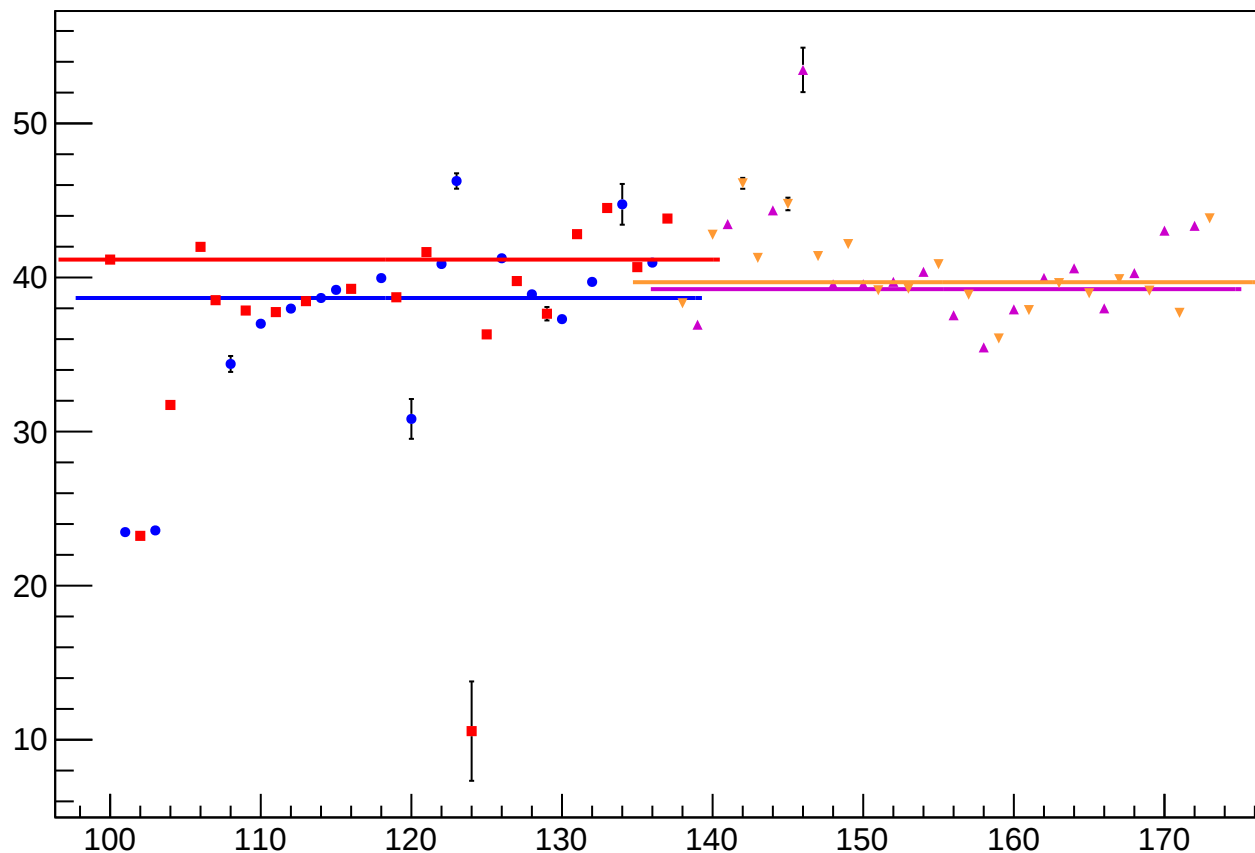
Right: 1.167 ± 0.000 χ^2/NDF : 44022261179950686

In: -4.155 ± 0.000 χ^2/NDF : 97669489.0/33

Out: 1.777 ± 0.000 χ^2/NDF : 90076551.3/37

All: 1.167 ± 0.000 χ^2/NDF : 44022261179950686

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 38.669 $\pm$ 0.000 χ^2 /NDF: 59984.0/16

Left Out: 39.695 $\pm$ 0.032 χ^2 /NDF: 5055.5/18

Right Out: 41.163 $\pm$ 0.000 χ^2 /NDF: 38410.9/18

Left In: 39.244 $\pm$ 0.026 χ^2 /NDF: 7433.6/16

Left: 39.427 $\pm$ 0.020 χ^2 /NDF: 12609.2/35

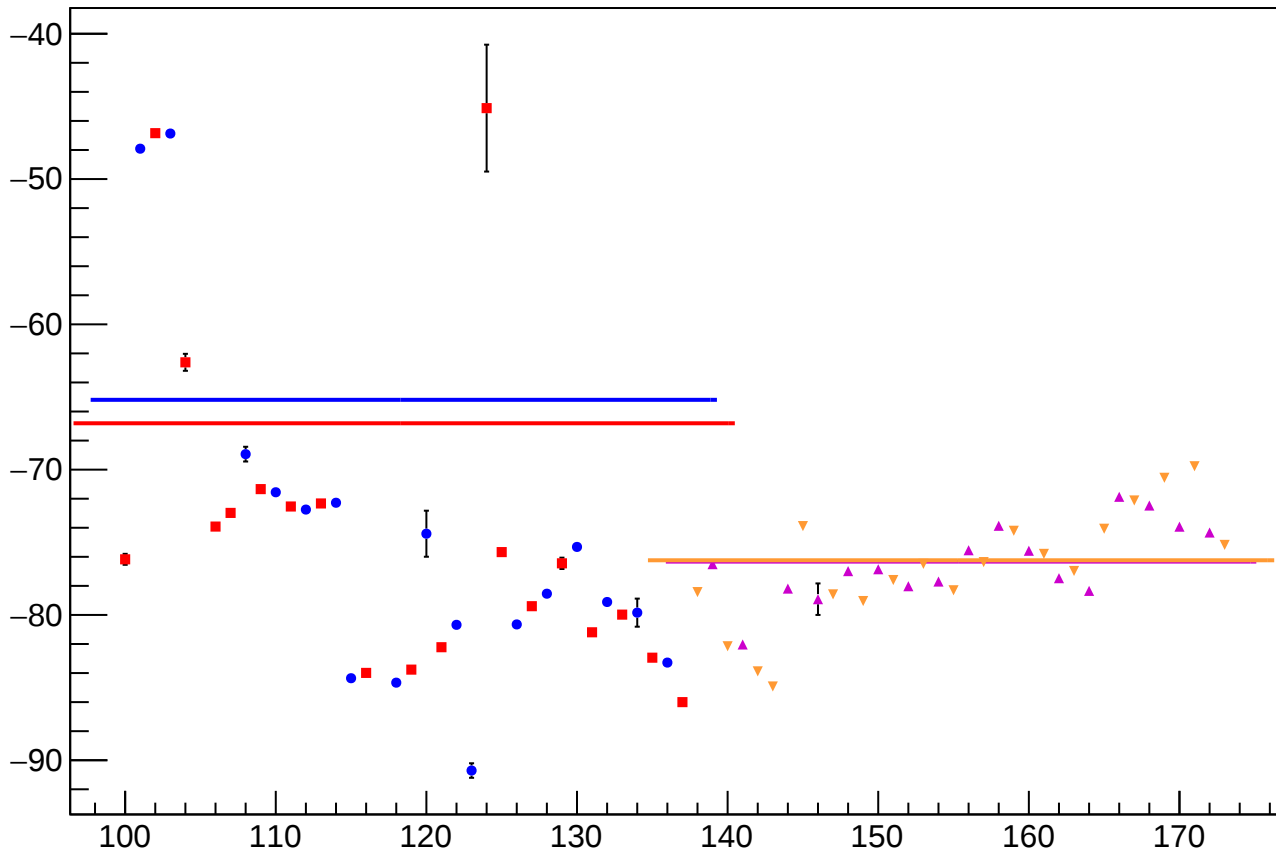
Right: 39.550 $\pm$ 0.000 χ^2 /NDF: 4780640080062069

In: 38.669 $\pm$ 0.000 χ^2 /NDF: 67898.6/33

Out: 41.163 $\pm$ 0.000 χ^2 /NDF: 45613.1/37

All: 39.550 $\pm$ 0.000 χ^2 /NDF: 4780640080062

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -65.195 ± 0.019 $\chi^2/\text{NDF}: 784258.8/16$

Left Out: -76.238 ± 0.026 $\chi^2/\text{NDF}: 20479.8/18$

Right Out: -66.809 ± 0.016 $\chi^2/\text{NDF}: 809951.7/18$

Left In: -76.330 ± 0.021 $\chi^2/\text{NDF}: 8545.9/16$

Left: -76.294 ± 0.016 $\chi^2/\text{NDF}: 29033.2/35$

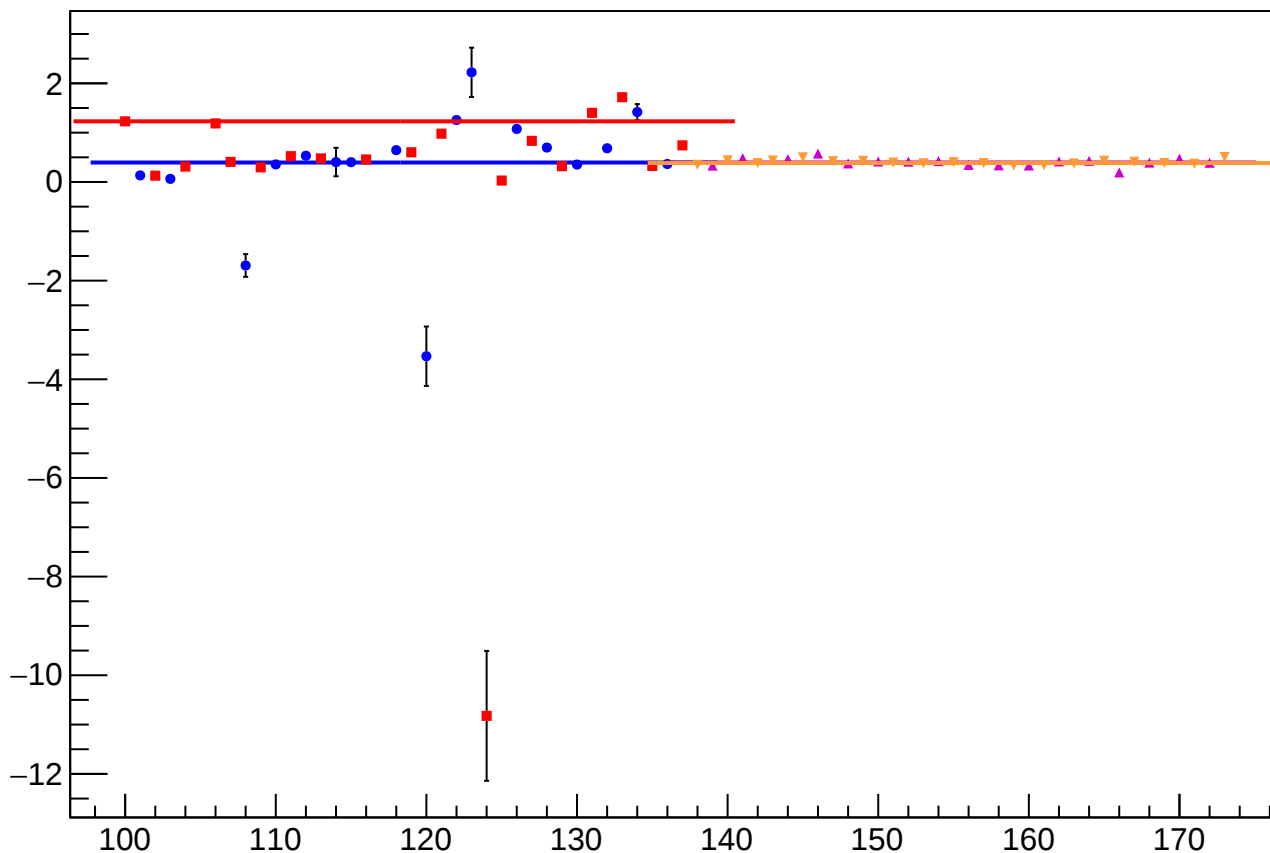
Right: -66.134 ± 0.012 $\chi^2/\text{NDF}: 1598578.1/35$

In: -70.078 ± 0.014 $\chi^2/\text{NDF}: 949403.5/33$

Out: -69.329 ± 0.014 $\chi^2/\text{NDF}: 925782.9/37$

All: -69.691 ± 0.010 $\chi^2/\text{NDF}: 1876674.4/71$

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.395 ± 0.002 $\chi^2/\text{NDF}: 8730.5/16$

Left Out: 0.384 ± 0.000 $\chi^2/\text{NDF}: 8888.4/18$

Right Out: 1.230 ± 0.000 $\chi^2/\text{NDF}: 48941.9/18$

Left In: 0.396 ± 0.001 $\chi^2/\text{NDF}: 7329.2/16$

Left: 0.390 ± 0.000 $\chi^2/\text{NDF}: 16496.1/35$

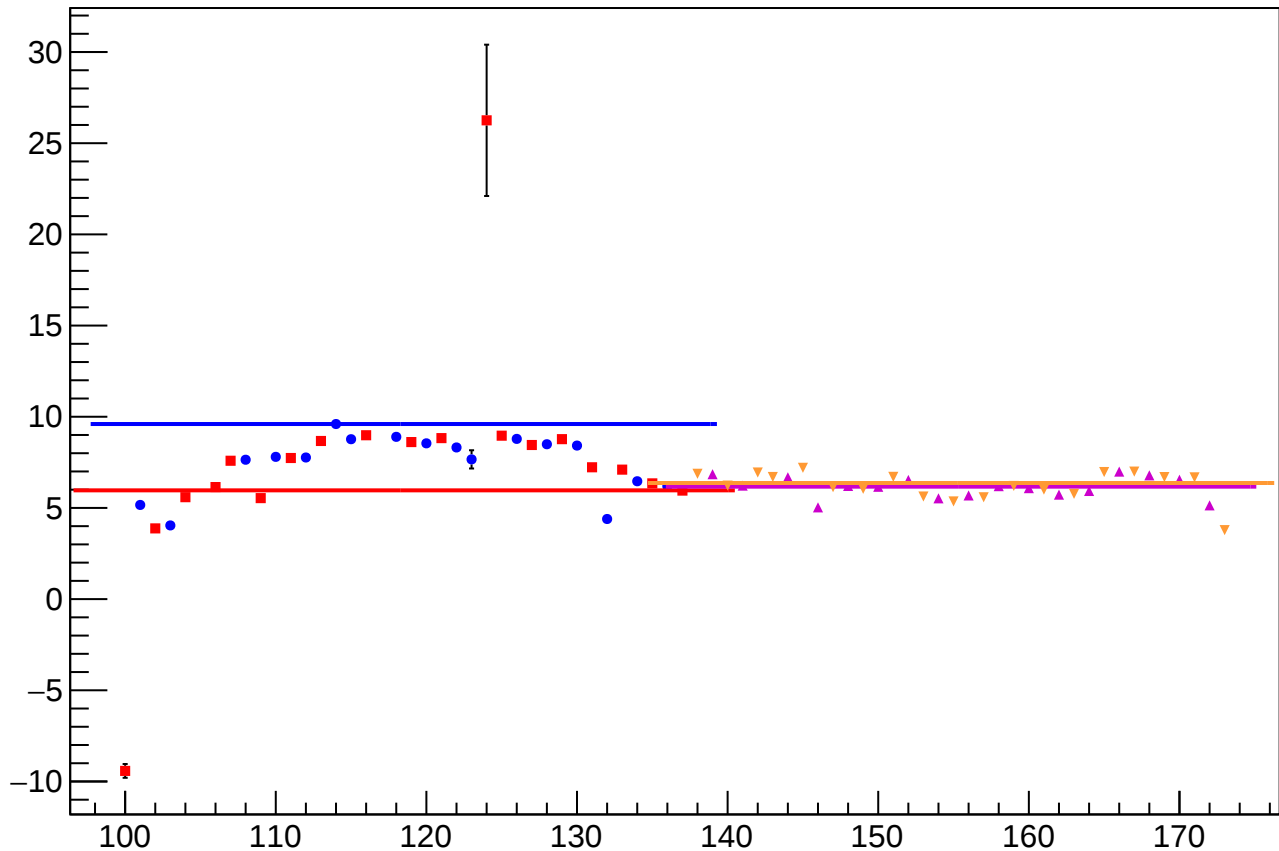
Right: 1.230 ± 0.000 $\chi^2/\text{NDF}: 231481.1/35$

In: 0.396 ± 0.000 $\chi^2/\text{NDF}: 16060.1/33$

Out: 1.230 ± 0.000 $\chi^2/\text{NDF}: 2989344.7/37$

All: 1.230 ± 0.000 $\chi^2/\text{NDF}: 5812055.4/71$

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 9.601+/-0.000 χ^2/NDF : 377404.1/16

Left Out: 6.367+/-0.002 χ^2/NDF : 67401.9/18

Right Out: 5.964+/-0.000 χ^2/NDF : 206785.7/18

Left In: 6.167+/-0.002 χ^2/NDF : 45220.8/16

Left: 6.263+/-0.001 χ^2/NDF : 120193.4/35

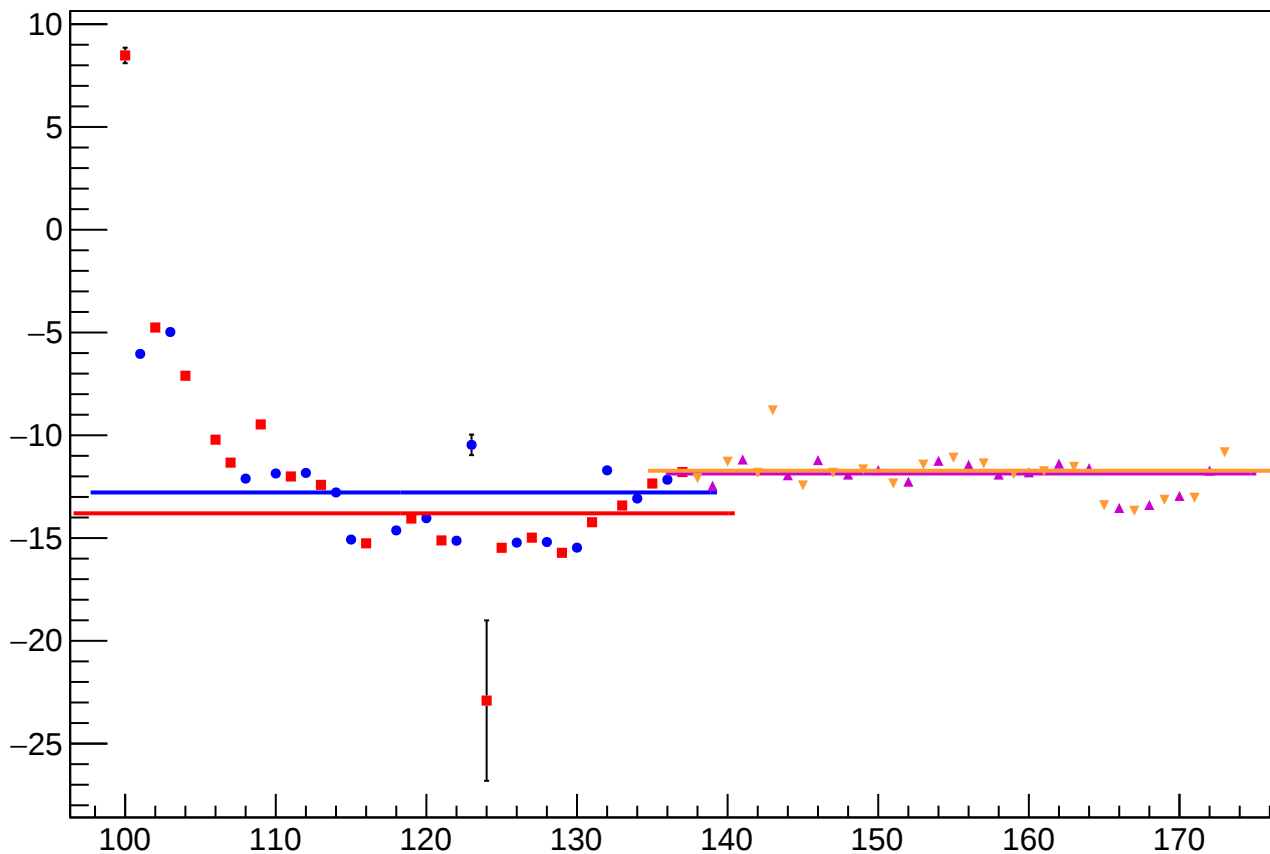
Right: 9.601+/-0.000 χ^2/NDF : 80252009.2/35

In: 9.601+/-0.000 χ^2/NDF : 5060663.9/33

Out: 5.987+/-0.000 χ^2/NDF : 329599.6/37

All: 9.601+/-0.000 χ^2/NDF : 88781624.1/71

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -12.781 $\pm$ 0.000 χ^2 /NDF: 122716.4/16

Left Out: -11.724 $\pm$ 0.002 χ^2 /NDF: 302966.1/18

Right Out: -13.797 $\pm$ 0.005 χ^2 /NDF: 78174.8/18

Left In: -11.858 $\pm$ 0.002 χ^2 /NDF: 53606.1/16

Left: -11.792 $\pm$ 0.002 χ^2 /NDF: 358355.6/35

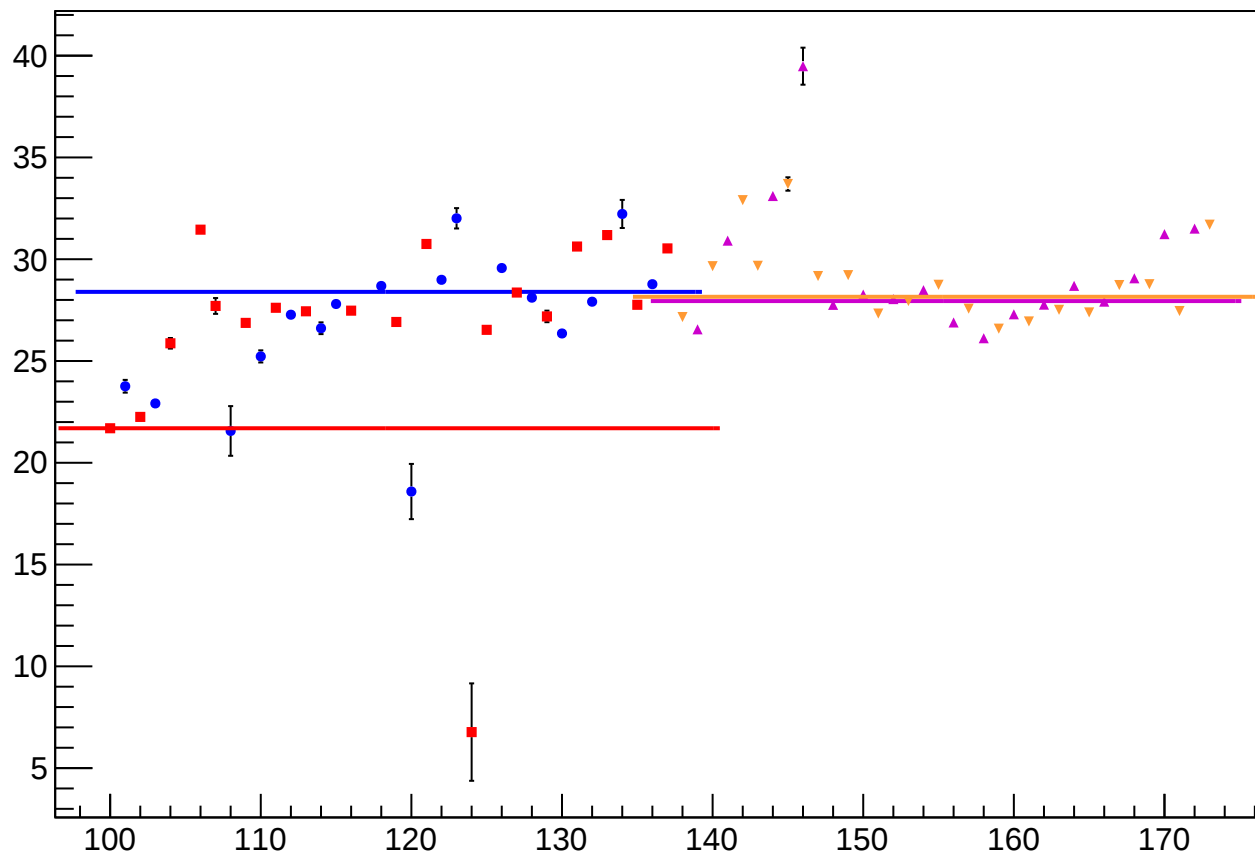
Right: -12.781 $\pm$ 0.000 χ^2 /NDF: 236656.7/35

In: -12.781 $\pm$ 0.000 χ^2 /NDF: 348342.5/33

Out: -12.038 $\pm$ 0.002 χ^2 /NDF: 507585.3/37

All: -12.781 $\pm$ 0.000 χ^2 /NDF: 982298.5/71

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 28.396 $\pm$ 0.024 χ^2 /NDF: 3440.8/16

Left Out: 28.155 $\pm$ 0.019 χ^2 /NDF:5585.7/18

Right Out: 21.696 $\pm$ 0.000 χ^2 /NDF: 46617.3/18

Left In: 27.944 $\pm$ 0.016 χ^2 /NDF:7320.8/16

Left: 28.031 $\pm$ 0.012 χ^2 /NDF: 12977.4/35

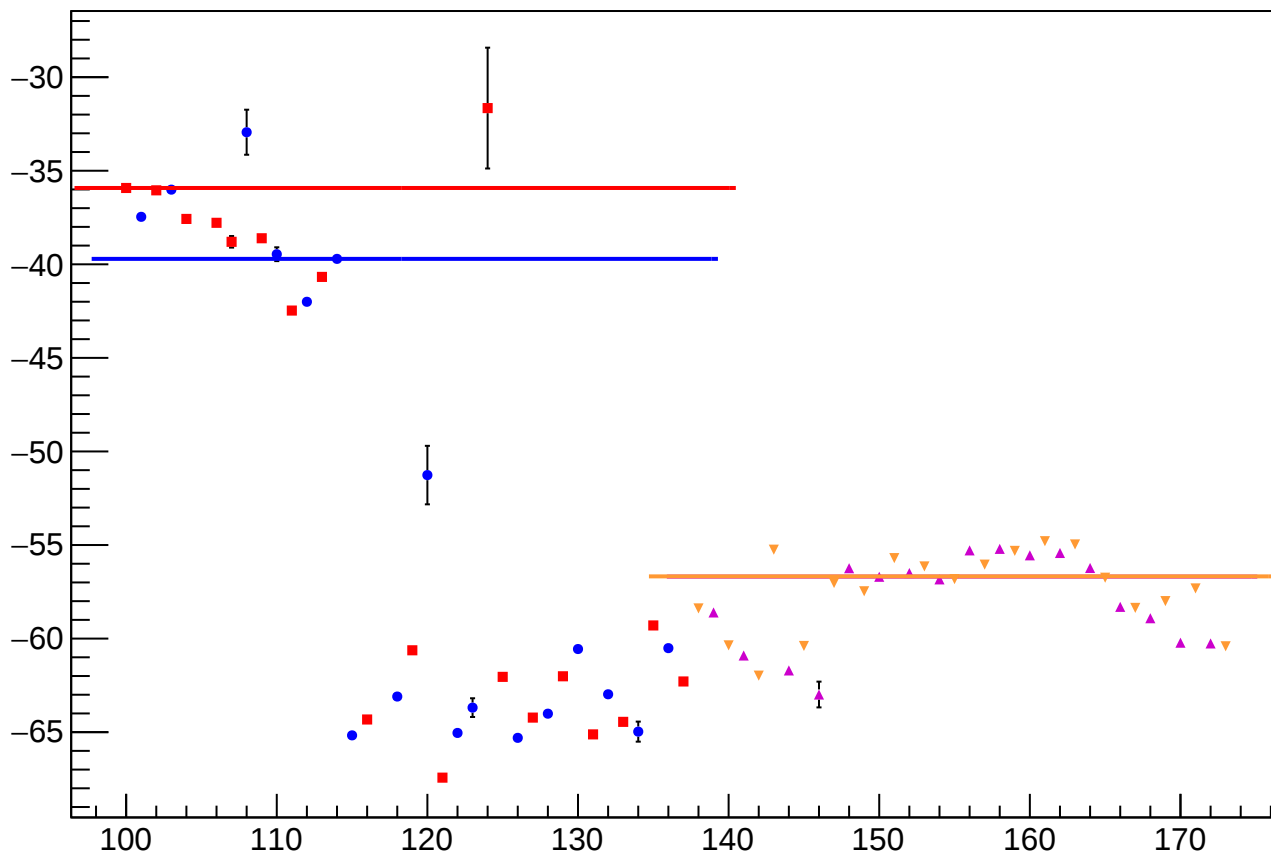
Right: 21.696 $\pm$ 0.000 χ^2 /NDF: 125672.7/35

In: 28.081 $\pm$ 0.013 χ^2 /NDF:11001.7/33

Out: 21.696 $\pm$ 0.000 χ^2 /NDF:165602.8/37

All: 21.696 $\pm$ 0.000 χ^2 /NDF: 402582.1/71

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -39.710 ± 0.000 $\chi^2/\text{NDF}: 1354716.8/16$

Left Out: -56.676 ± 0.016 $\chi^2/\text{NDF}: 11895.8/18$

Right Out: -35.921 ± 0.000 $\chi^2/\text{NDF}: 719212.9/18$

Left In: -56.688 ± 0.014 $\chi^2/\text{NDF}: 12839.2/16$

Left: -56.683 ± 0.010 $\chi^2/\text{NDF}: 24735.3/35$

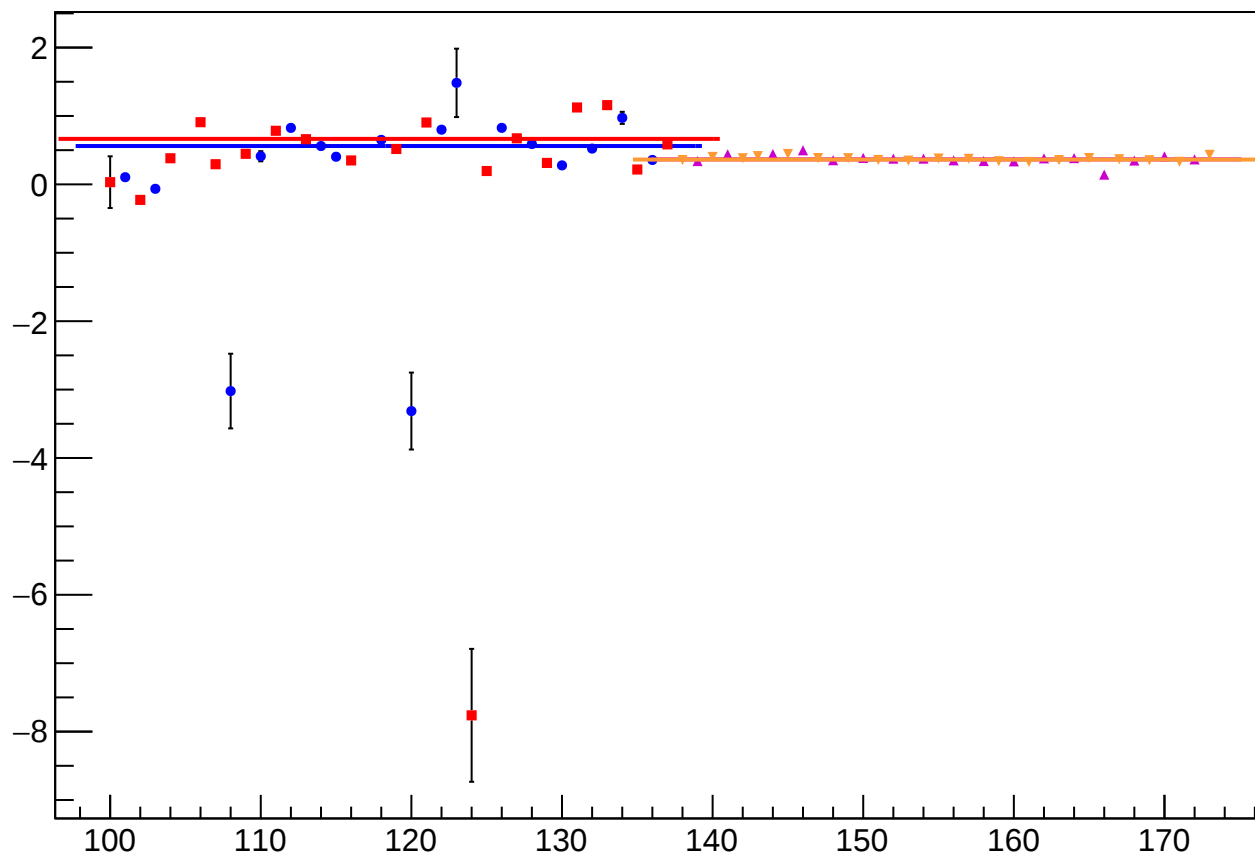
Right: -38.373 ± 0.000 $\chi^2/\text{NDF}: 110369434011630$

In: -39.710 ± 0.000 $\chi^2/\text{NDF}: 2927355.4/33$

Out: -35.921 ± 0.000 $\chi^2/\text{NDF}: 2405963.7/37$

All: -38.373 ± 0.000 $\chi^2/\text{NDF}: 110369434011$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.561 $\pm$ 0.000 χ^2 /NDF: 16869.2/16

Left Out: 0.363 $\pm$ 0.000 χ^2 /NDF: 7482.3/18

Right Out: 0.665 $\pm$ 0.005 χ^2 /NDF: 3781.5/18

Left In: 0.365 $\pm$ 0.000 χ^2 /NDF: 5637.4/16

Left: 0.364 $\pm$ 0.000 χ^2 /NDF: 13146.3/35

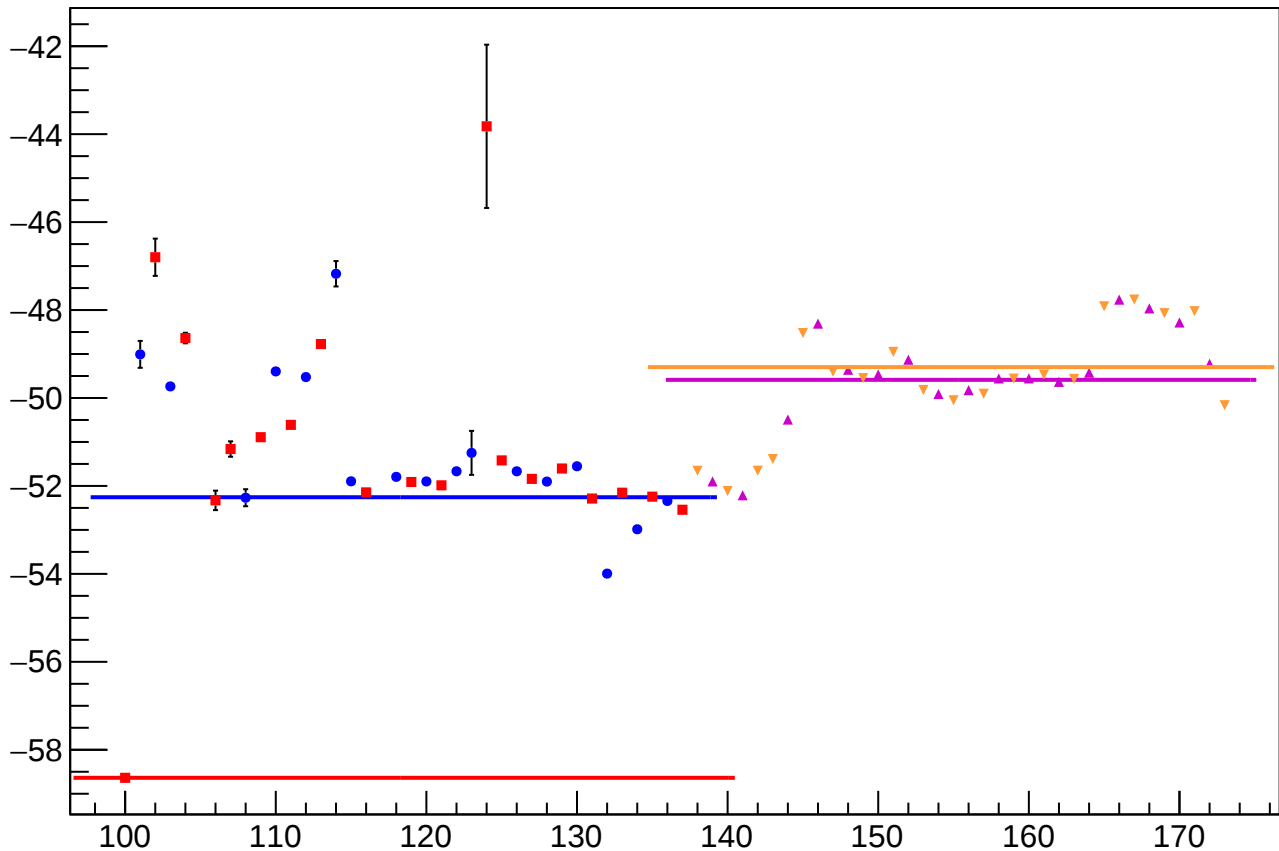
Right: 0.561 $\pm$ 0.000 χ^2 /NDF: 21167.9/35

In: 0.561 $\pm$ 0.000 χ^2 /NDF: 326212.8/33

Out: 0.364 $\pm$ 0.000 χ^2 /NDF: 15570.3/37

All: 0.561 $\pm$ 0.000 χ^2 /NDF: 658185.3/71

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -52.257 ± 0.004 $\chi^2/\text{NDF}: 24373.7/16$

Left Out: -49.297 ± 0.001 $\chi^2/\text{NDF}: 481343.0/18$

Right Out: -58.637 ± 0.000 $\chi^2/\text{NDF}: 31280742.9/18$

Left In: -49.587 ± 0.001 $\chi^2/\text{NDF}: 387228.6/16$

Left: -49.440 ± 0.001 $\chi^2/\text{NDF}: 888035.0/35$

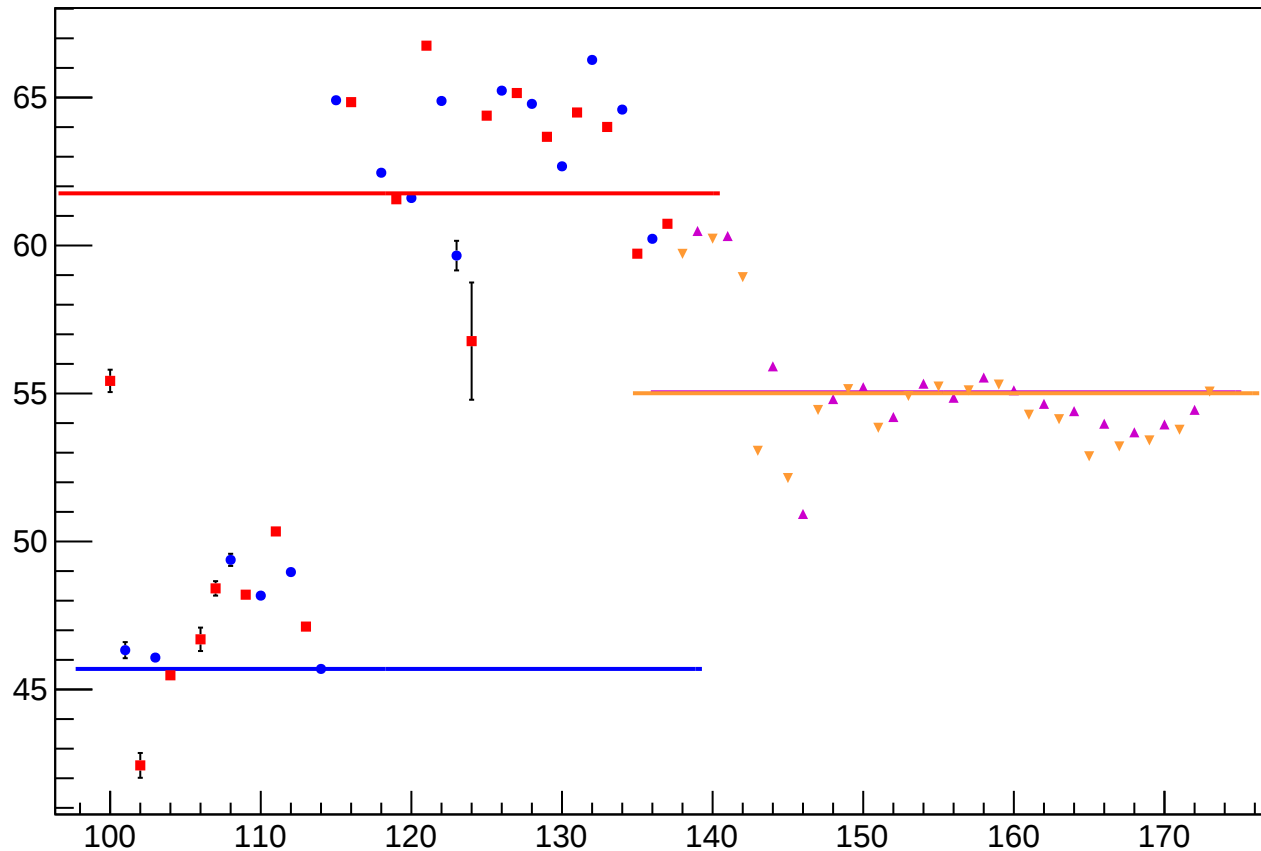
Right: -58.637 ± 0.000 $\chi^2/\text{NDF}: 34369113.8/35$

In: -49.966 ± 0.001 $\chi^2/\text{NDF}: 871939.1/33$

Out: -58.637 ± 0.000 $\chi^2/\text{NDF}: 72909917.5/37$

All: -58.637 ± 0.000 $\chi^2/\text{NDF}: 113688241.0/7$

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 45.694 $\pm$ 0.000 χ^2 /NDF: 3571709.5/16

Left Out: 55.009 $\pm$ 0.003 χ^2 /NDF:352792.0/18

Right Out: 61.762 $\pm$ 0.006 χ^2 /NDF: 260089.5/18

Left In: 55.041 $\pm$ 0.003 χ^2 /NDF:78071.6/16

Left: 55.026 $\pm$ 0.002 χ^2 /NDF: 430918.3/35

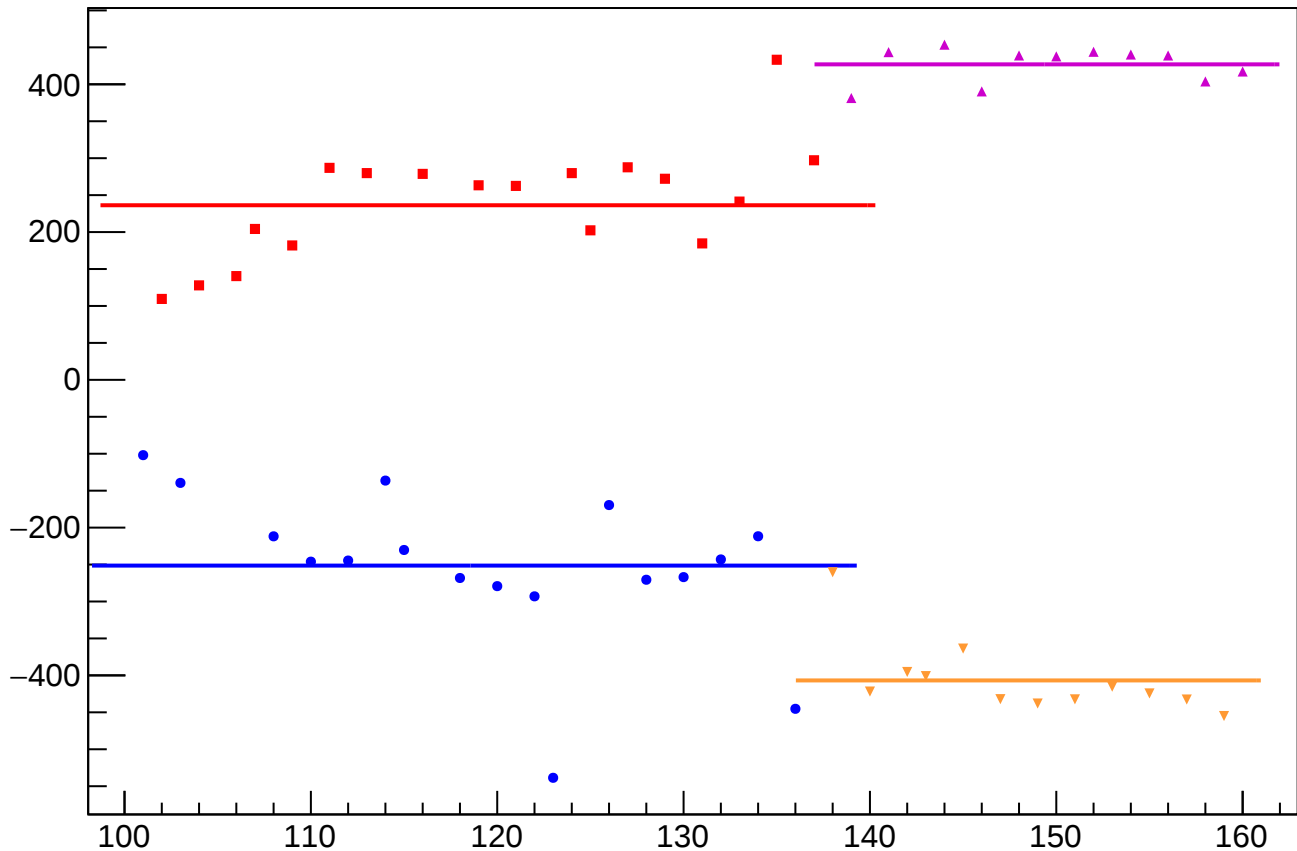
Right: 45.694 $\pm$ 0.000 χ^2 /NDF: 10184097.2/35

In: 45.694 $\pm$ 0.000 χ^2 /NDF:13965216.1/33

Out: 56.340 $\pm$ 0.003 χ^2 /NDF:1513907.5/37

All: 45.694 $\pm$ 0.000 χ^2 /NDF: 29628281.0/71

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -251.407+/-0.000

Left Out: -406.833+/-0.000

Right Out: 236.305+/-0.000

Left In: 426.999+/-0.000

χ^2/NDF : 6377716677142803615785313646231420928.0/16

χ^2/NDF : 2292767804308975563331061576326184960.0/11

χ^2/NDF : 4583669398649017152985031455186878464.0/17

χ^2/NDF : 491897519091150809282810233728532480.0/10

Left: 15.515+/-0.000 χ^2/NDF : 32290507688952396

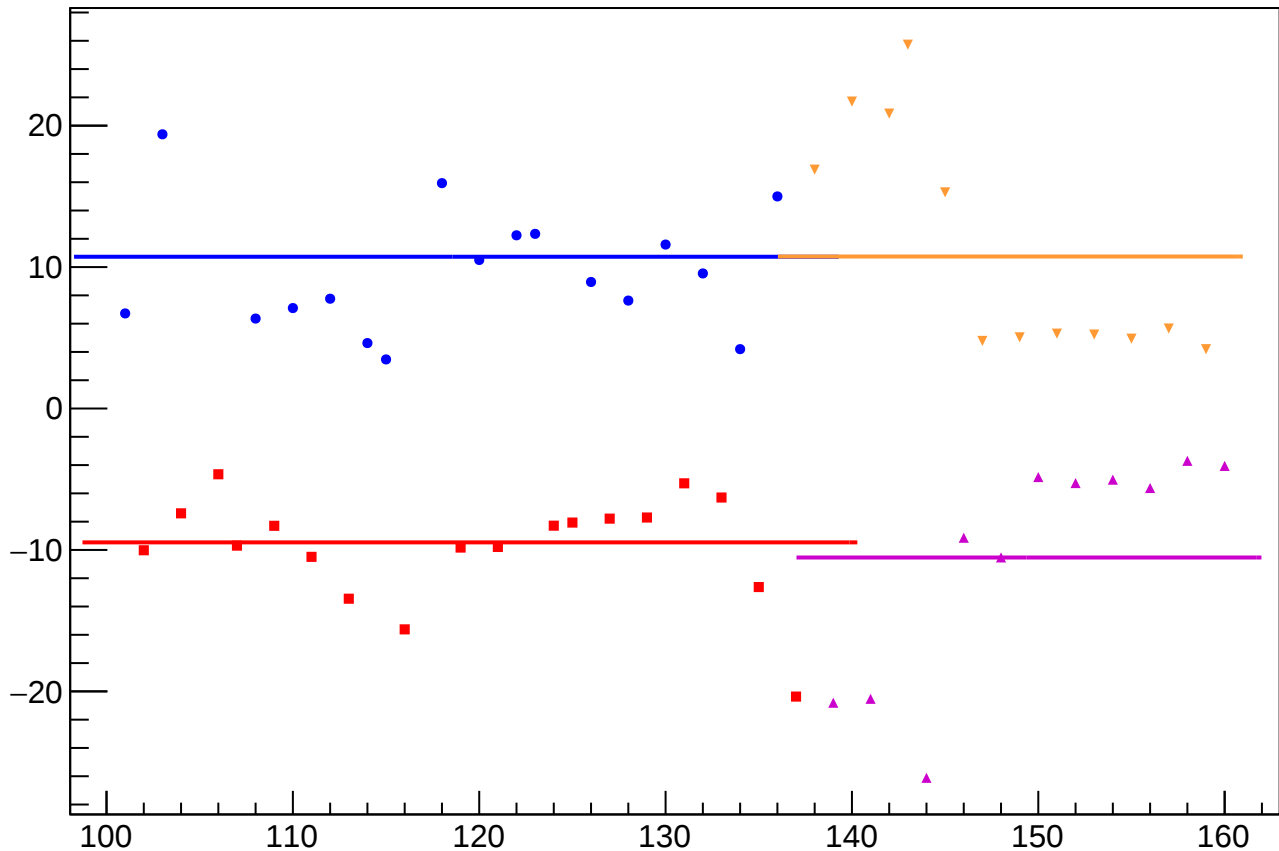
Right: -3.917+/-0.000 χ^2/NDF : 9473030910379414

In: 137.624+/-0.000 χ^2/NDF : 19003095258773893

Out: -123.678+/-0.000 χ^2/NDF : 172412613694126

All: 7.093+/-0.000 χ^2/NDF : 41793683043915

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



Right In: 10.731+/-0.000

Left Out: 10.747+/-0.000

Right Out: -9.465+/-0.000

Left In: -10.535+/-0.000

χ^2/NDF : 12832156832660883988585211297267712.0/16

χ^2/NDF : 52568555520200298220372681258172416.0/11

χ^2/NDF : 6964289429474711338503750841008128.0/17

χ^2/NDF : 56030306294181725597372333160398848.0/10

Left: -0.032+/-0.000 χ^2/NDF : 31712978219852070

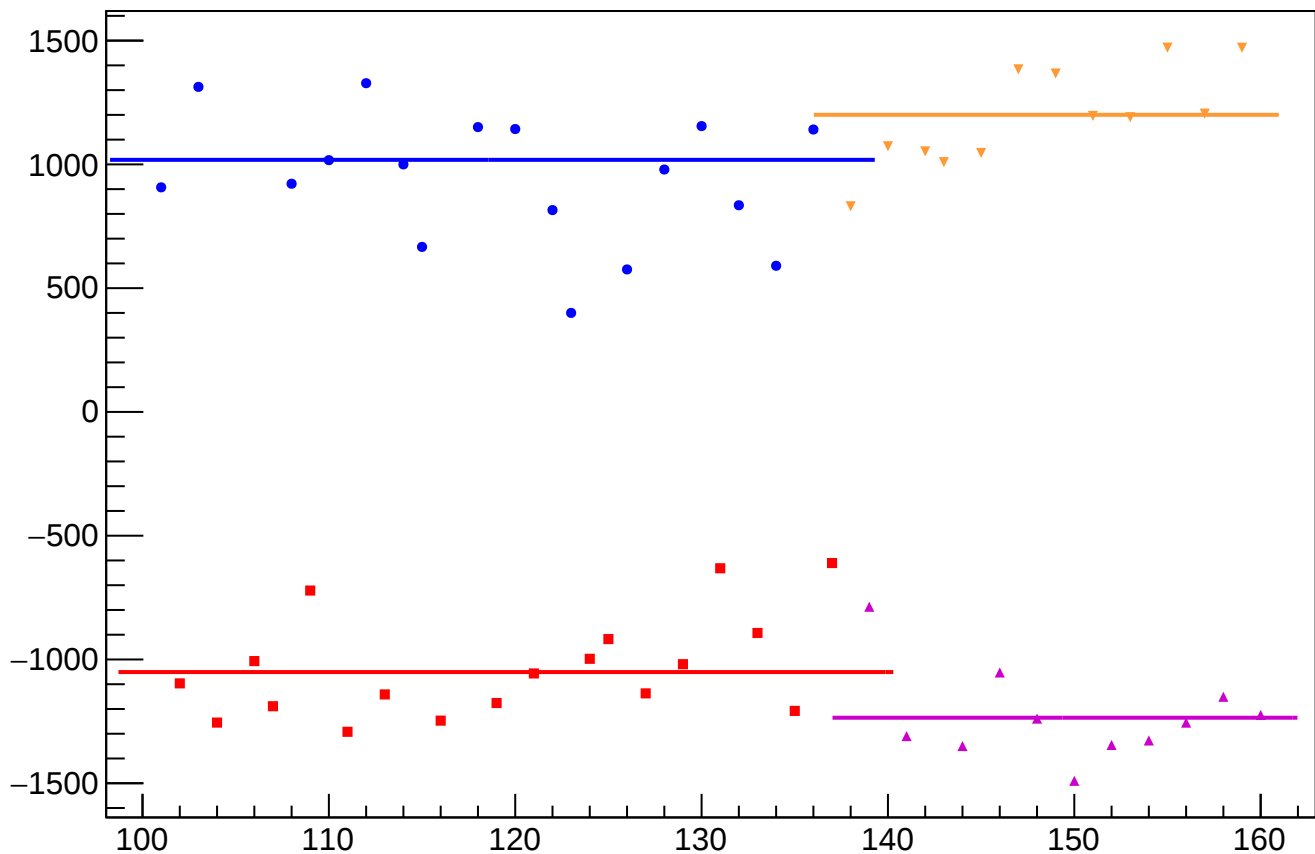
Right: 0.482+/-0.000 χ^2/NDF : 16344309482827227

In: -1.464+/-0.000 χ^2/NDF : 248837095885974600

Out: 1.848+/-0.000 χ^2/NDF : 223032360060445959

All: 0.191+/-0.000 χ^2/NDF : 48078445544445

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

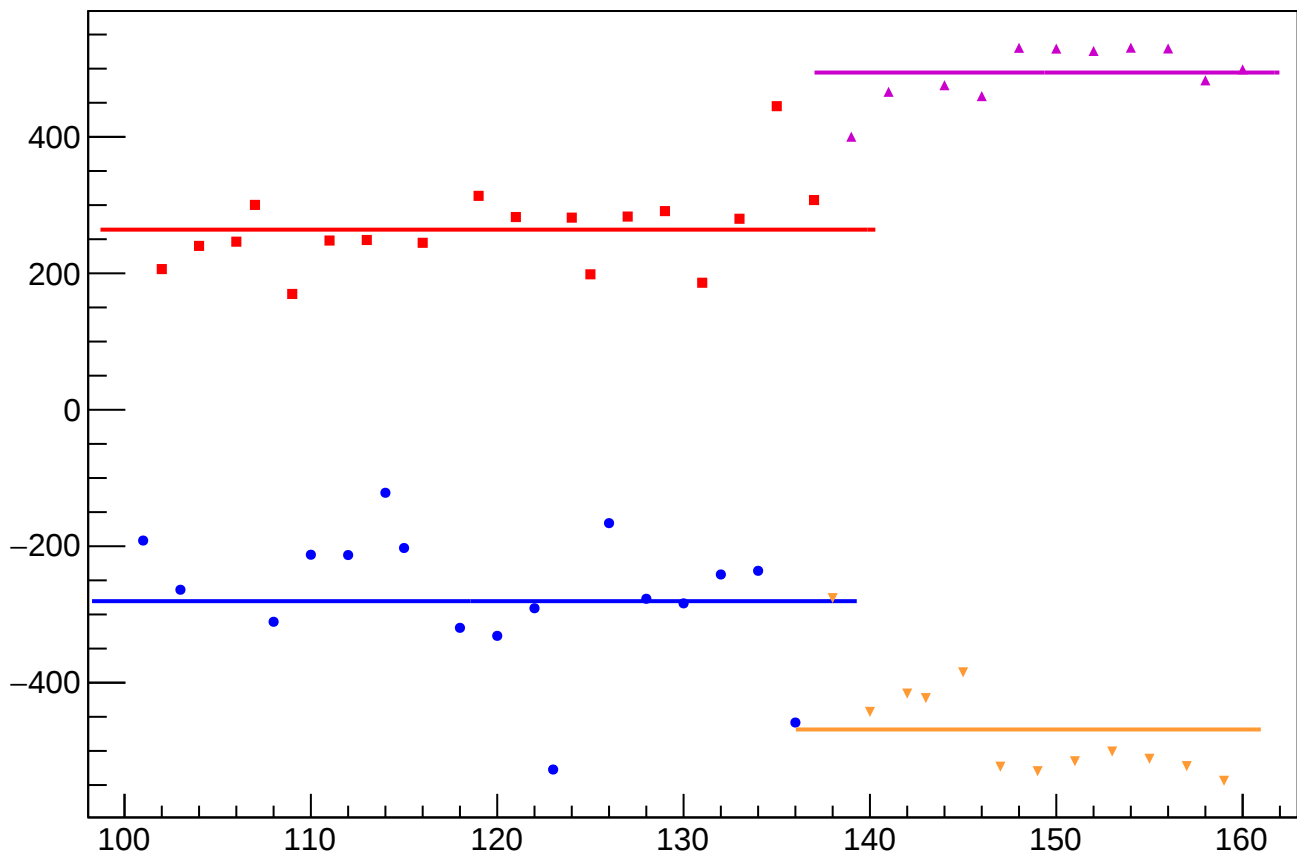
χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514
 Right: -31.639+/-0.000 χ^2/NDF : 156759750862946
 In: -273.986+/-0.000 χ^2/NDF : 2083200596416121
 Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -280.488+/-0.000

Left Out: -468.575+/-0.000

Right Out: 264.038+/-0.000

Left In: 494.291+/-0.000

χ^2/NDF : 5126630238526976320868749941319663616.0/16

χ^2/NDF : 5376900160405137659978716094572527616.0/11

χ^2/NDF : 2950904189133891581840816046652522496.0/17

χ^2/NDF : 1453739025414967917322489885861347328.0/10

Left: 19.131+/-0.000 χ^2/NDF : 43369236595936528

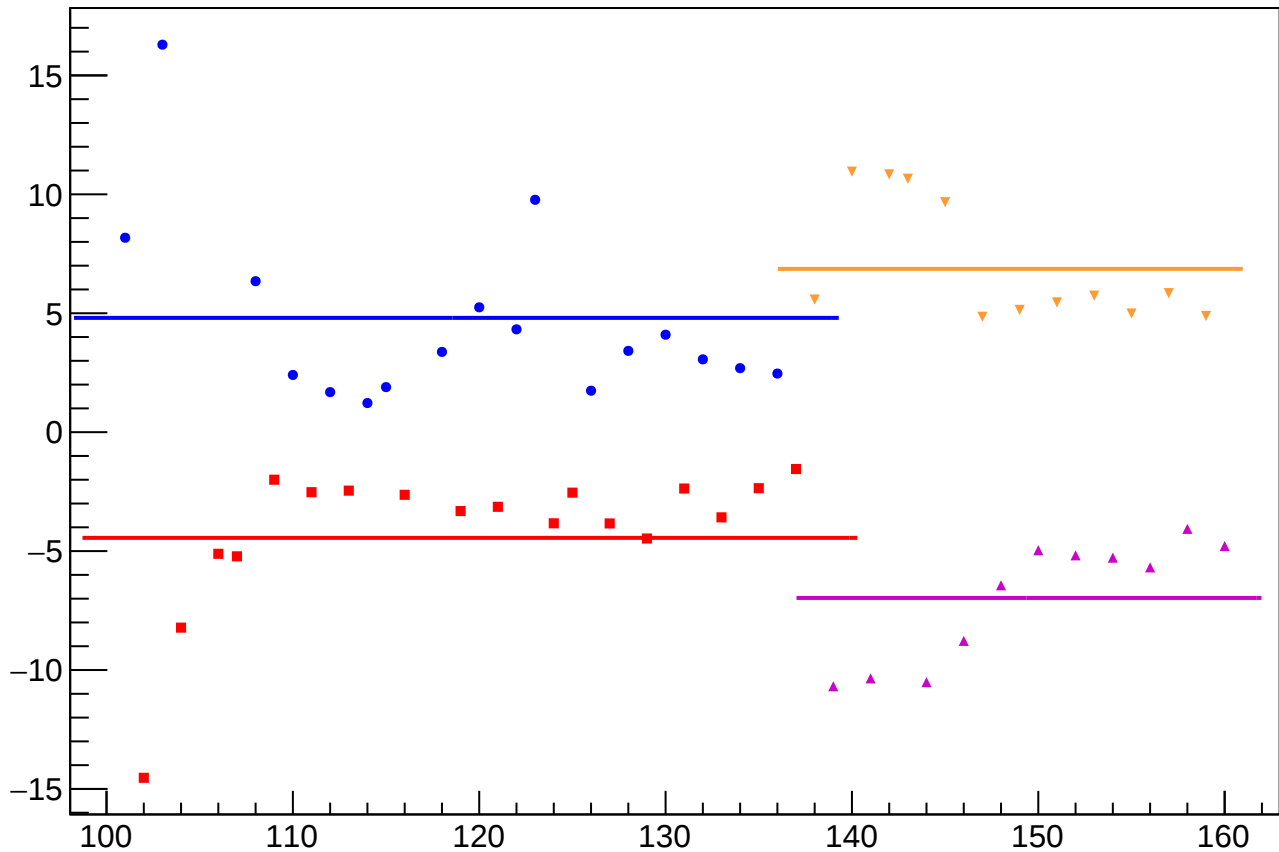
Right: -4.167+/-0.000 χ^2/NDF : 1124995033891218

In: 163.807+/-0.000 χ^2/NDF : 24547656580890999

Out: -146.027+/-0.000 χ^2/NDF : 223127037858541

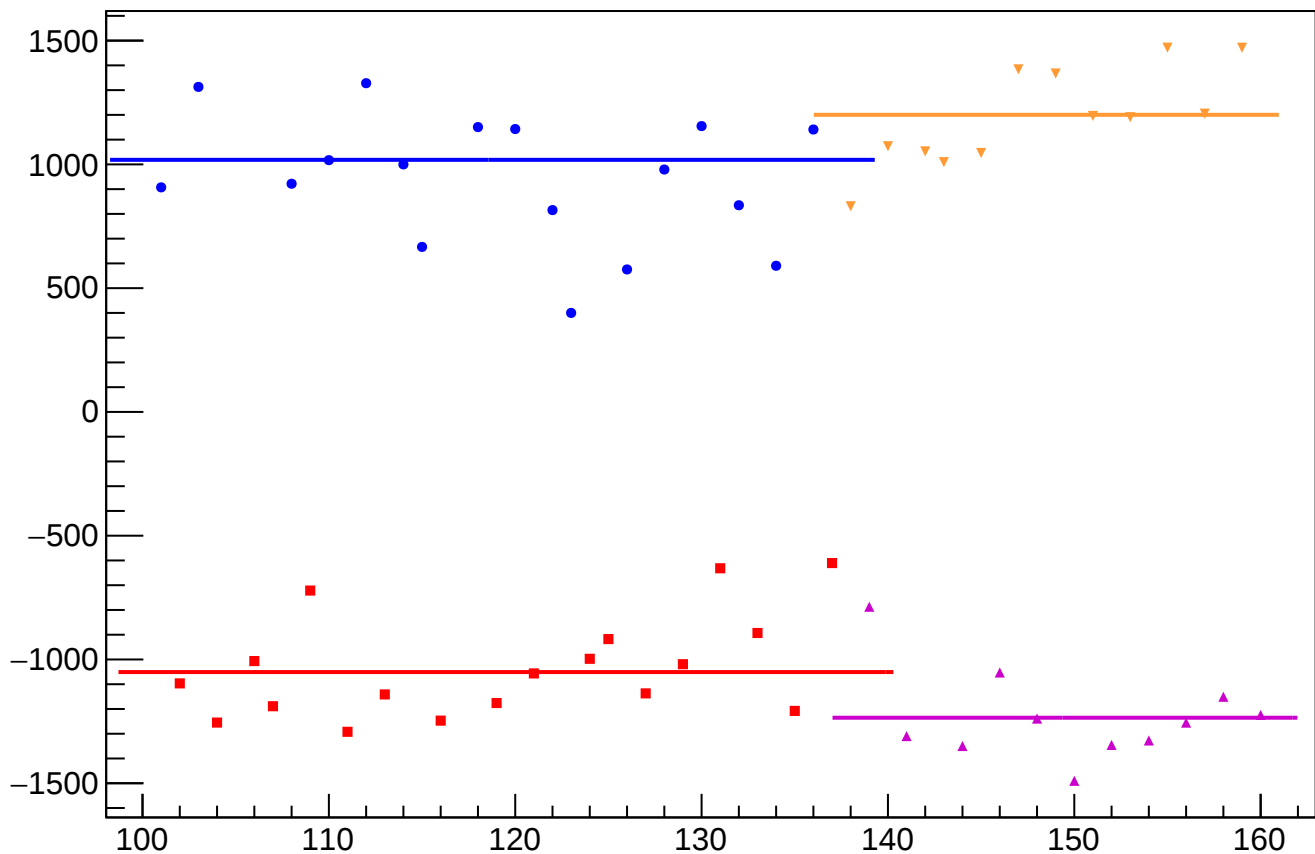
All: 9.033+/-0.000 χ^2/NDF : 54662520345172

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



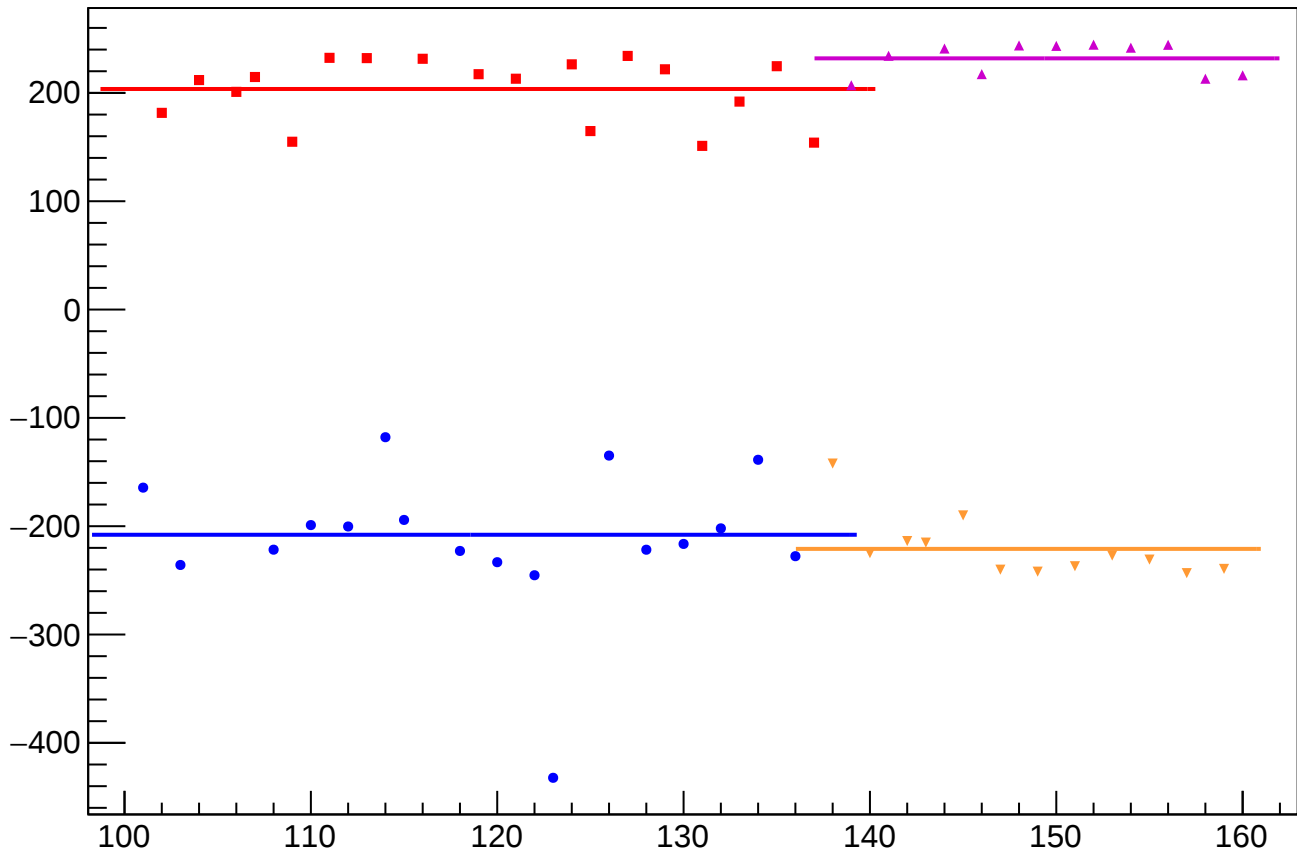
Right In: 4.806 $\pm$ 0.000 χ^2 /NDF: 10922956451109492621931429310234624.0/16
 Left Out: 6.866 $\pm$ 0.000 χ^2 /NDF: 5299669563995653642636095012208640.0/11
 Right Out: -4.443 $\pm$ 0.000 χ^2 /NDF: 8238698902114437843582467079929856.0/17
 Left In: -6.969 $\pm$ 0.000 χ^2 /NDF: 5610929853594389107325212135784448.0/10
 All: -0.032 $\pm$ 0.000 χ^2 /NDF: 1483821465904

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -207.905+/-0.000

Left Out: -220.938+/-0.000

Right Out: 203.621+/-0.000

Left In: 231.896+/-0.000

χ^2/NDF : 932229169633108948090208893374824448.0/16

χ^2/NDF : 725702280929192018663060859751759872.0/11

χ^2/NDF : 555366082114711816530063438779514880.0/17

χ^2/NDF : 183329680516479381507897892871864320.0/10

Left: 8.429+/-0.000 χ^2/NDF : 953222302961658420

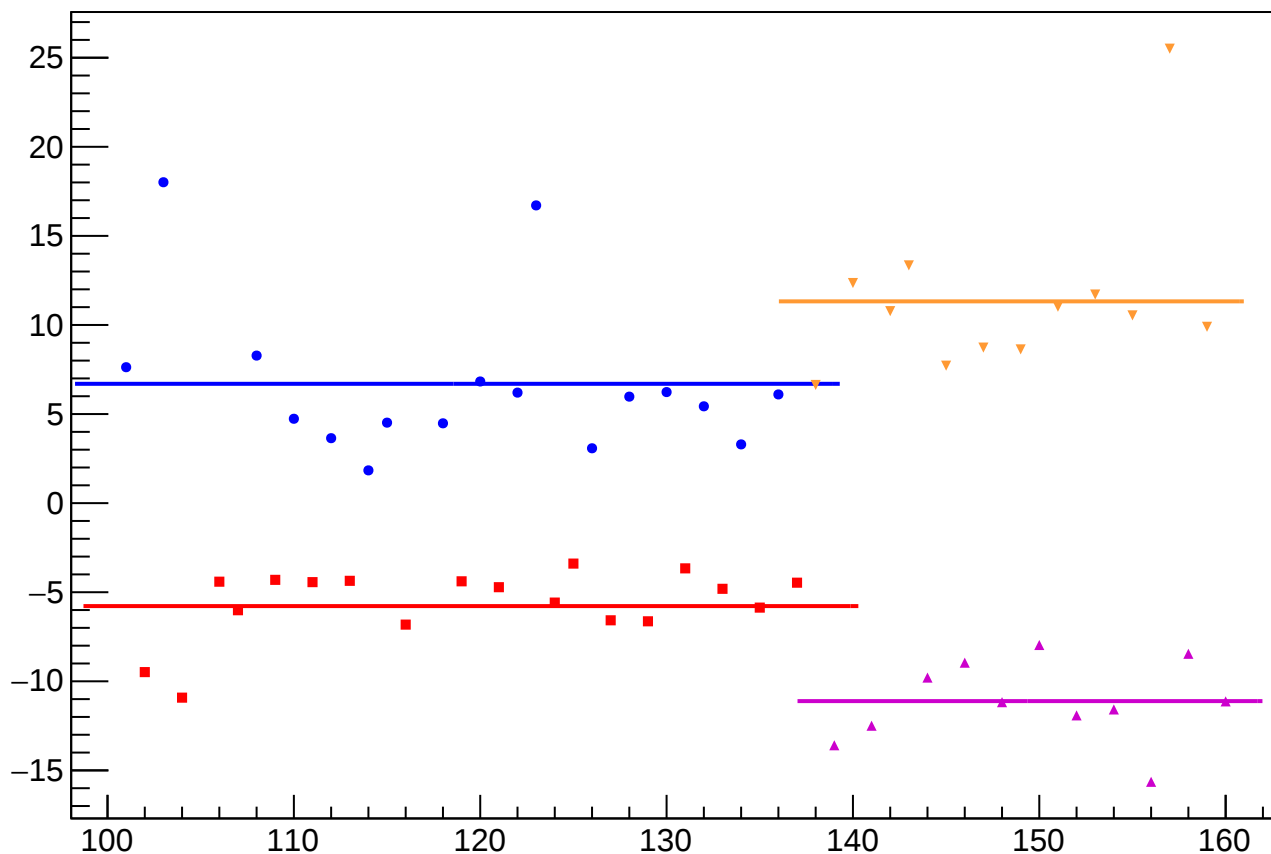
Right: 0.925+/-0.000 χ^2/NDF : 61129354546867051

In: 44.298+/-0.000 χ^2/NDF : 780934056728326017

Out: -34.017+/-0.000 χ^2/NDF : 7341842705768315

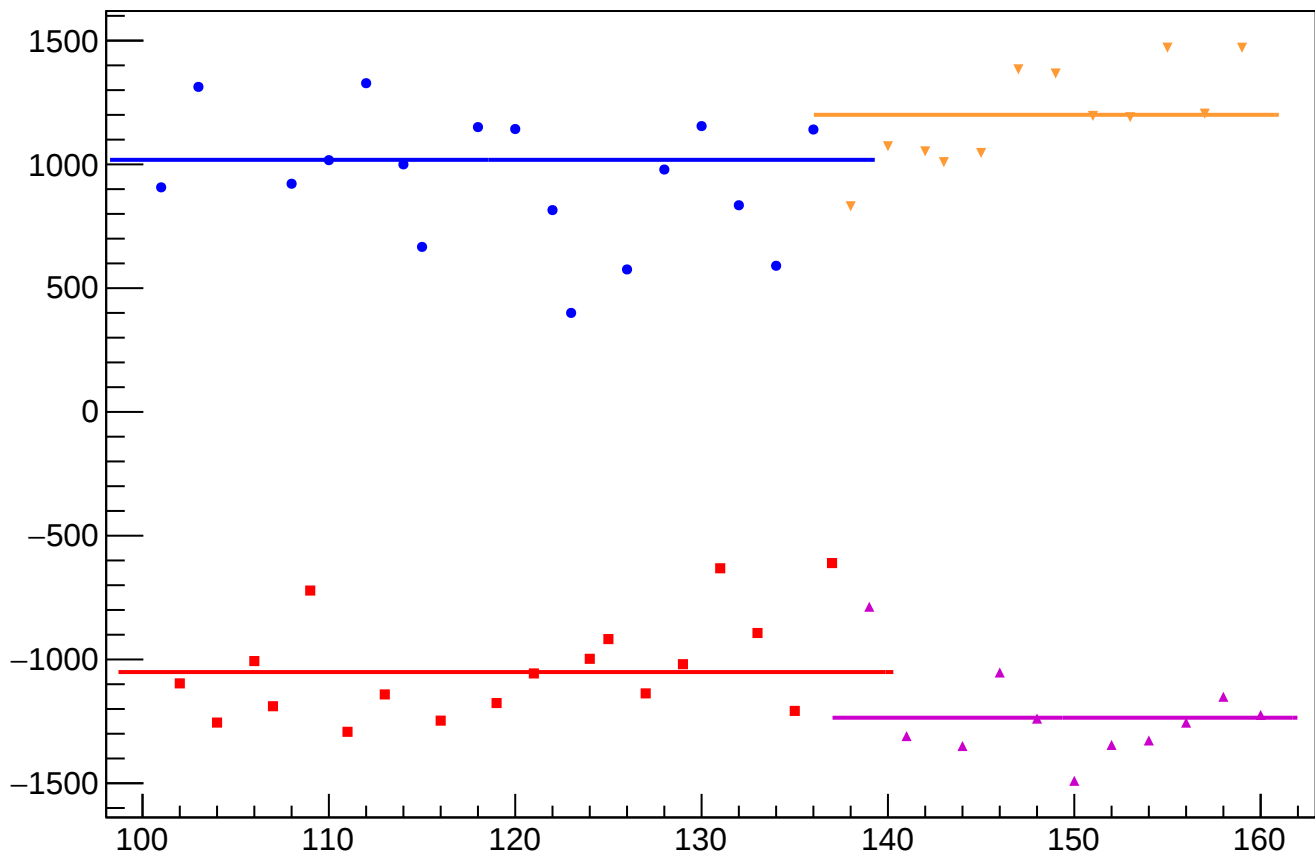
All: 5.177+/-0.000 χ^2/NDF : 15649654139583

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



Left: -0.039 +/- 0.000 χ^2/NDF : 25552490572073324
 Right: 0.367 +/- 0.000 χ^2/NDF : 68189487523500599
 In: -3.515 +/- 0.000 χ^2/NDF : 140829625935377587
 Out: 3.795 +/- 0.000 χ^2/NDF : 139587745732989815
 All: 0.137 +/- 0.000 χ^2/NDF : 32384583598296

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

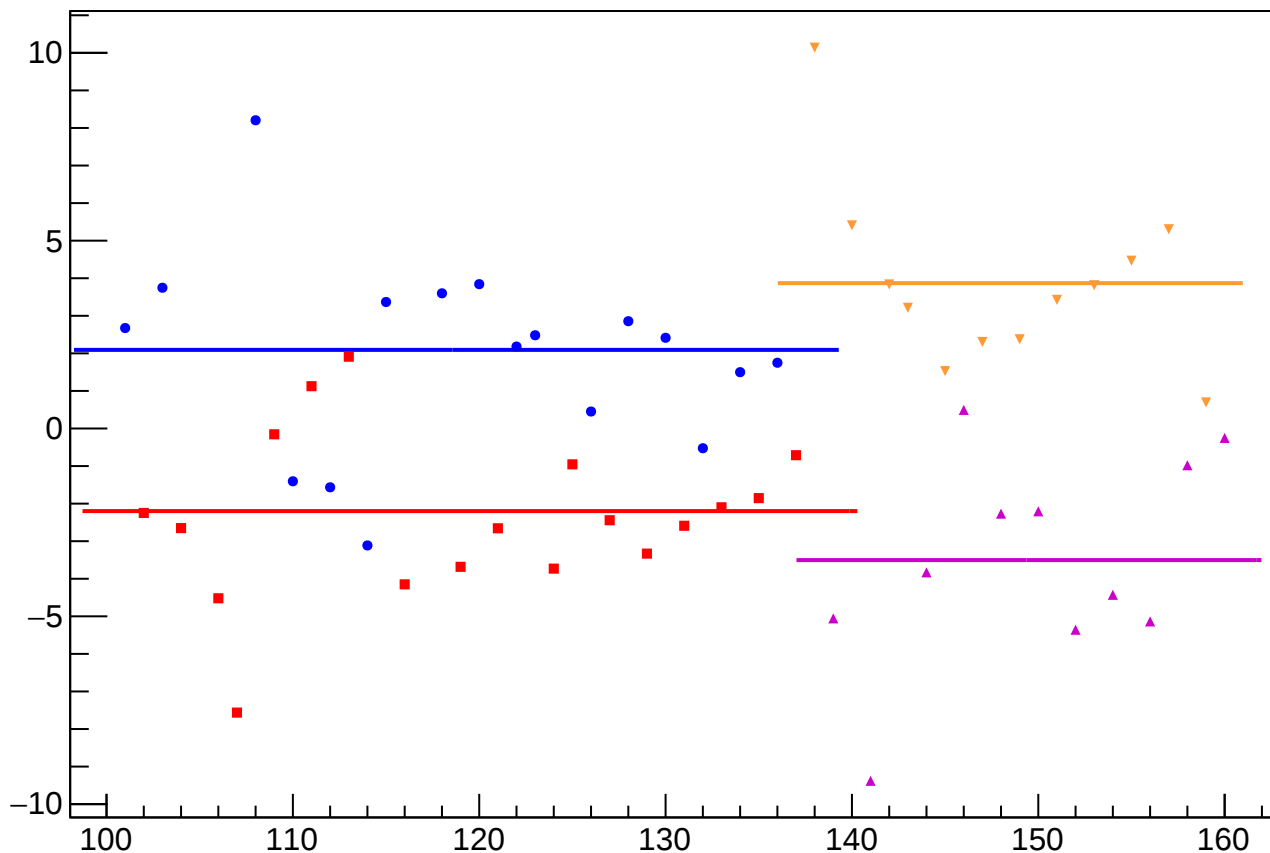
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

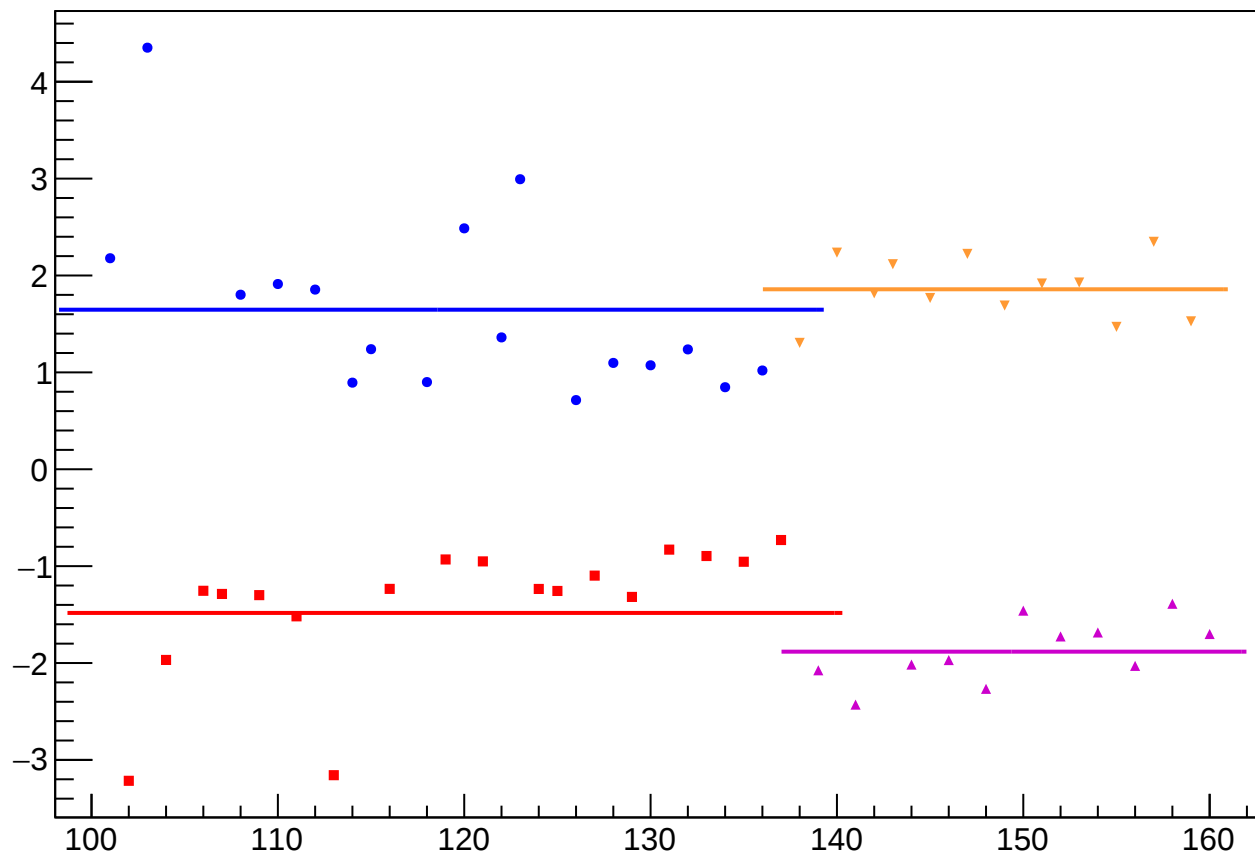
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_4aY_coil1_mean vs Slug, Sign Corrected



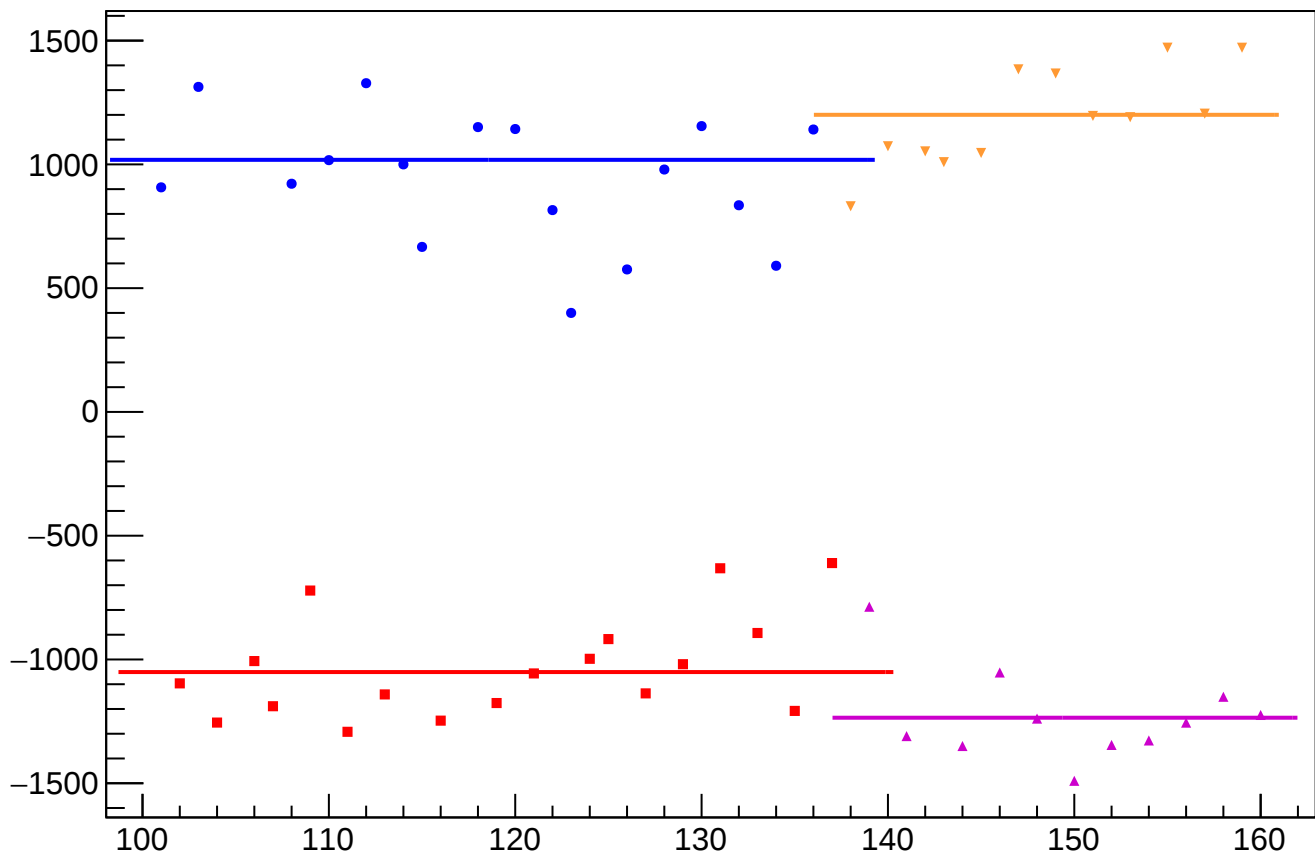
Left: 0.135 +/- 0.000 χ^2/NDF : 368509410294214663
 Right In: 2.093 +/- 0.000 χ^2/NDF : 3708588340032367175525218060861440.0/16
 Right: -0.085 +/- 0.000 χ^2/NDF : 1330172036915898
 Left Out: 3.870 +/- 0.000 χ^2/NDF : 5096895495074779754701121480818688.0/11
 In: -1.116 +/- 0.000 χ^2/NDF : 228997943130651727
 Right Out: -2.199 +/- 0.000 χ^2/NDF : 3107113733134423203865144181391360.0/17
 Out: 1.198 +/- 0.000 χ^2/NDF : 229403467126811658
 Left In: -3.503 +/- 0.000 χ^2/NDF : 6729958277549549509263051005624320.0/10
 All: 0.040 +/- 0.000 χ^2/NDF : 50191355697272

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



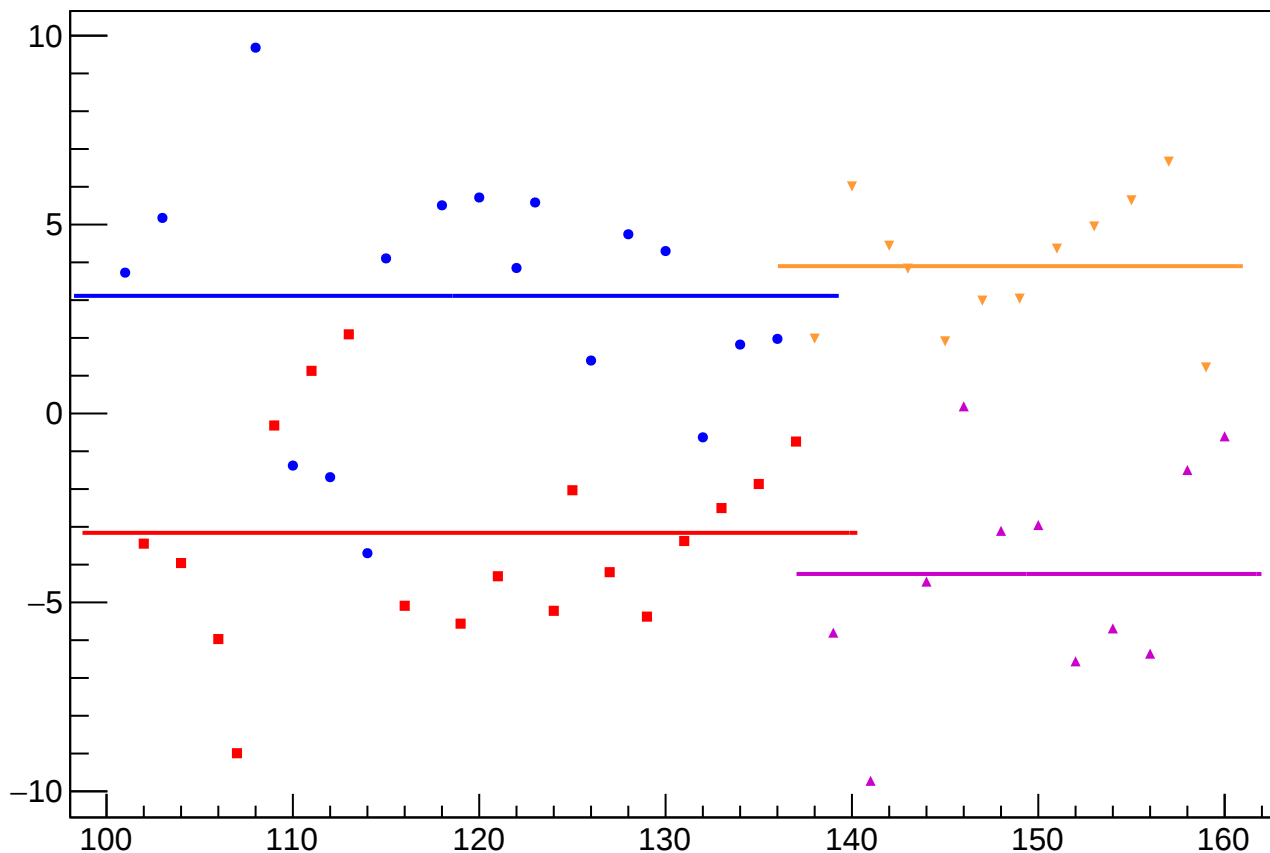
Right In: 1.647 $\pm$ 0.000 χ^2 /NDF: 651088572320131635658625105526784.0/16
 Left Out: 1.858 $\pm$ 0.000 χ^2 /NDF: 92819096352183662549607808761856.0/11
 Right Out: -1.483 $\pm$ 0.000 χ^2 /NDF: 413770473105203088009551048343552.0/17
 Left In: -1.883 $\pm$ 0.000 χ^2 /NDF: 89198060548496721731654669828096.0/10
 All: 0.005 $\pm$ 0.000 χ^2 /NDF: 11145646478182

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



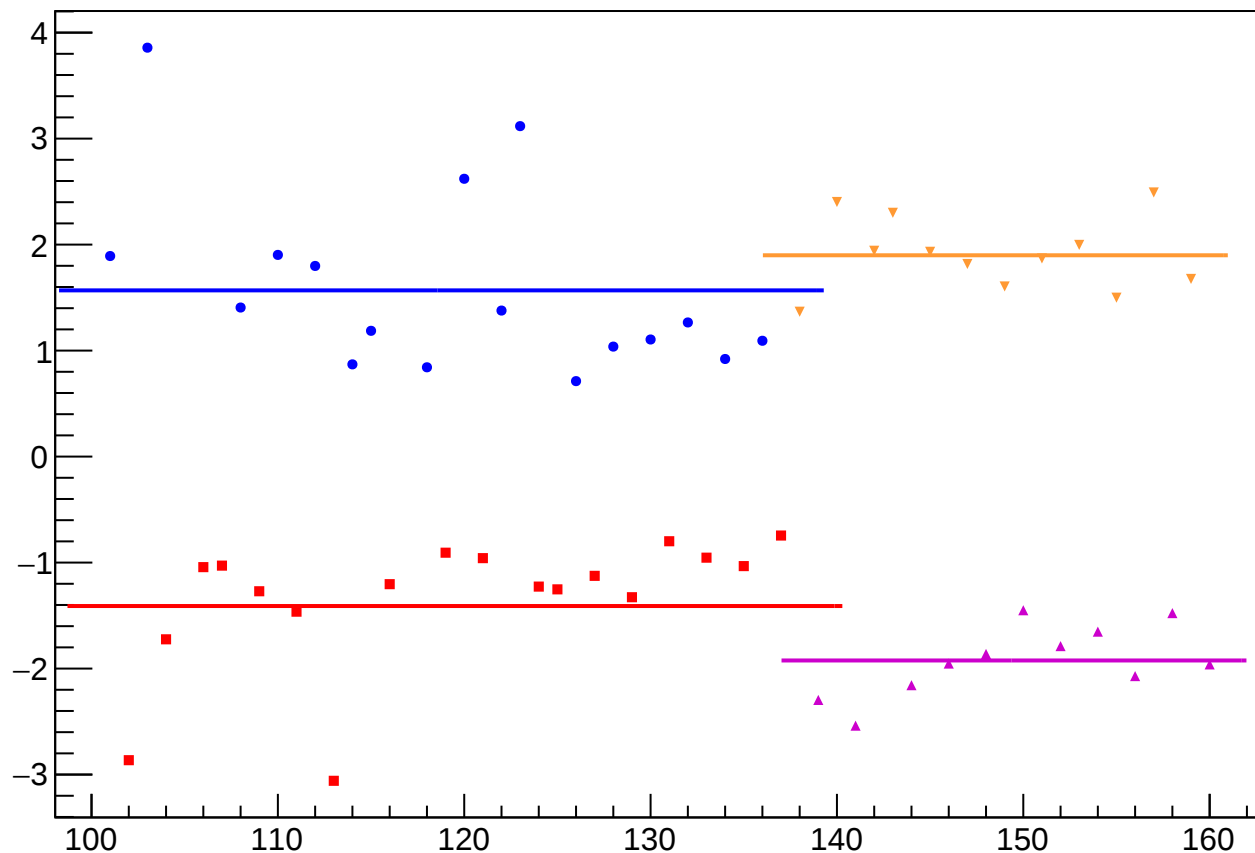
Right In: 1018.403+/-0.000	χ^2/NDF : 32778661856751386998435413517146259456.0/16	Left: -33.377+/-0.000	χ^2/NDF : 2794350173420514
Left Out: 1200.293+/-0.000	χ^2/NDF : 34024831893478856274932660157533913088.0/11	Right: -31.639+/-0.000	χ^2/NDF : 156759750862946
Right Out: -1050.842+/-0.000	χ^2/NDF : 26898078099677260392287731084448235520.0/17	In: -273.986+/-0.000	χ^2/NDF : 2083200596416121
Left In: -1235.313+/-0.000	χ^2/NDF : 29022677529286996275047766841758842880.0/10	Out: 209.183+/-0.000	χ^2/NDF : 2089011032009014
	All: -32.624+/-0.000	χ^2/NDF : 436195009310	

dit_4eY_coil1_mean vs Slug, Sign Corrected



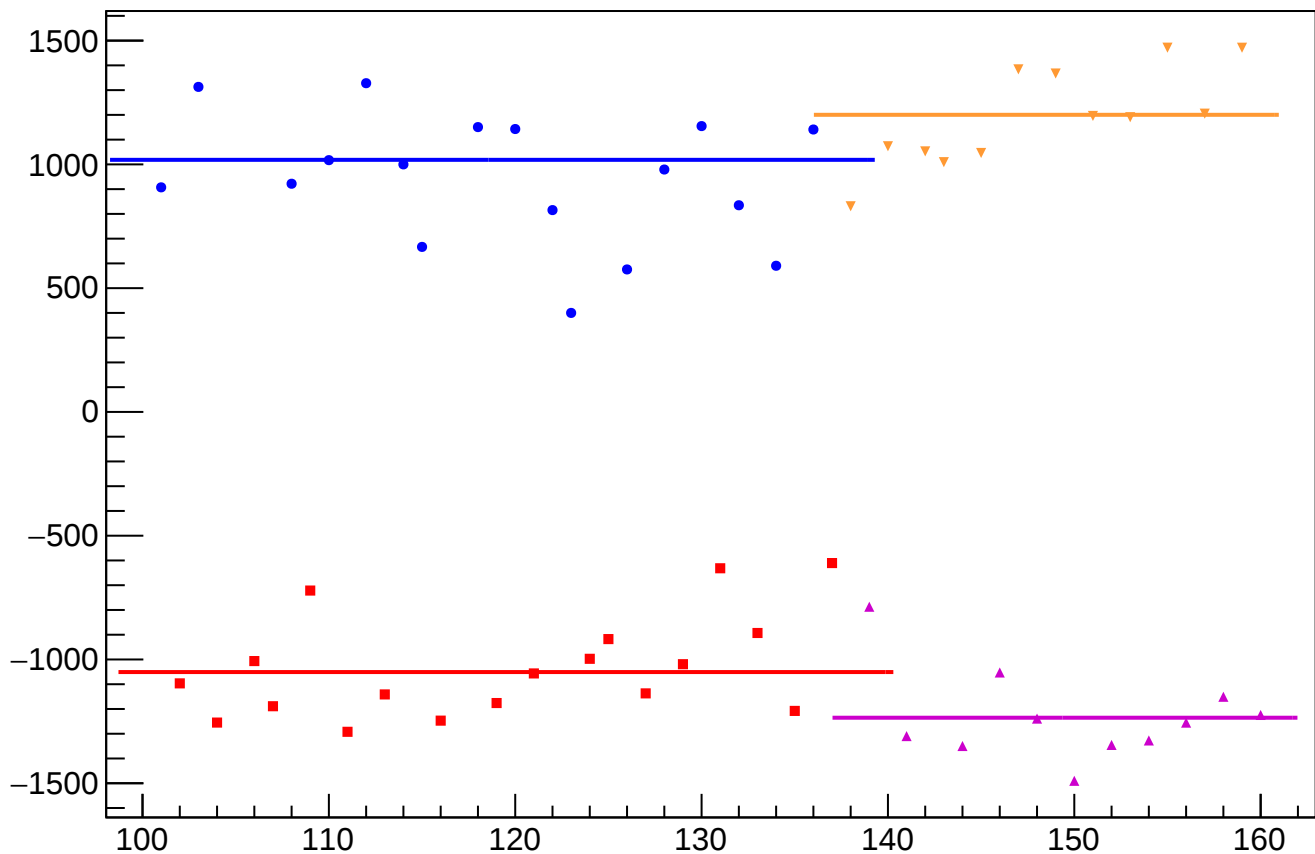
Right In: 3.113+/-0.000	χ^2/NDF : 5969364473683453458180416326336512.0/16	Left: -0.227+/-0.000	χ^2/NDF : 40514341492675254
Left Out: 3.899+/-0.000	χ^2/NDF : 2596063476262392643786187397398528.0/11	Right: -0.069+/-0.000	χ^2/NDF : 2483579584133620
Right Out: -3.158+/-0.000	χ^2/NDF : 5013186540103138237647291198472192.0/17	In: -1.107+/-0.000	χ^2/NDF : 348931349722056987
Left In: -4.247+/-0.000	χ^2/NDF : 7362557296783828788324476360065024.0/10	Out: 0.792+/-0.000	χ^2/NDF : 275445249090740071
	All: -0.159+/-0.000	χ^2/NDF : 6536999261732	

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



Right In: 1.568 ± 0.000 $\chi^2/\text{NDF}: 496968559591870447992286312660992.0/16$
 Left Out: 1.899 ± 0.000 $\chi^2/\text{NDF}: 105245400634415170842187400216576.0/11$
 Right Out: -1.410 ± 0.000 $\chi^2/\text{NDF}: 328993477679498579442129623318528.0/17$
 Left In: -1.924 ± 0.000 $\chi^2/\text{NDF}: 95242962939028869202536503967744.0/10$
 All: 0.004 ± 0.000 $\chi^2/\text{NDF}: 10885569689706.0/10$

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

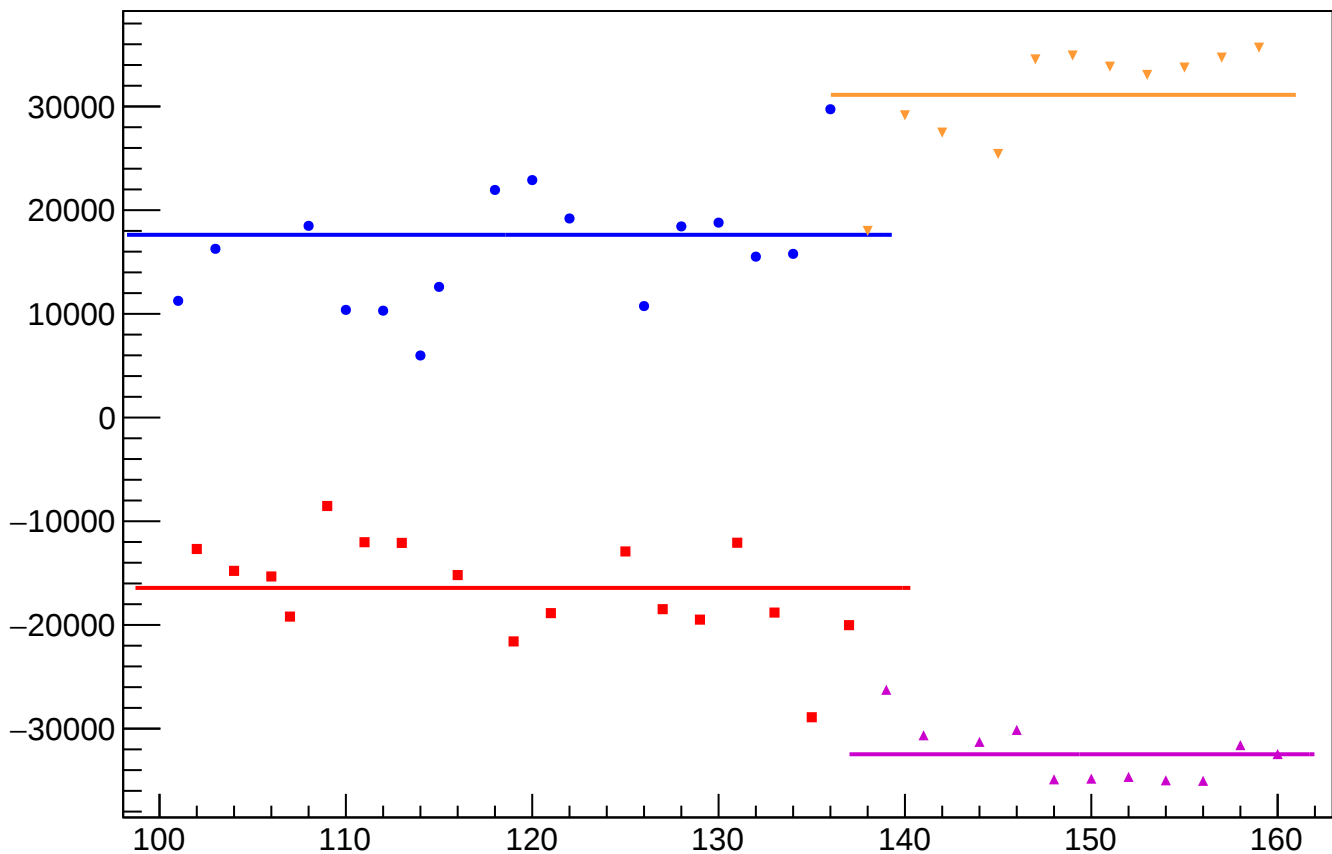
χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

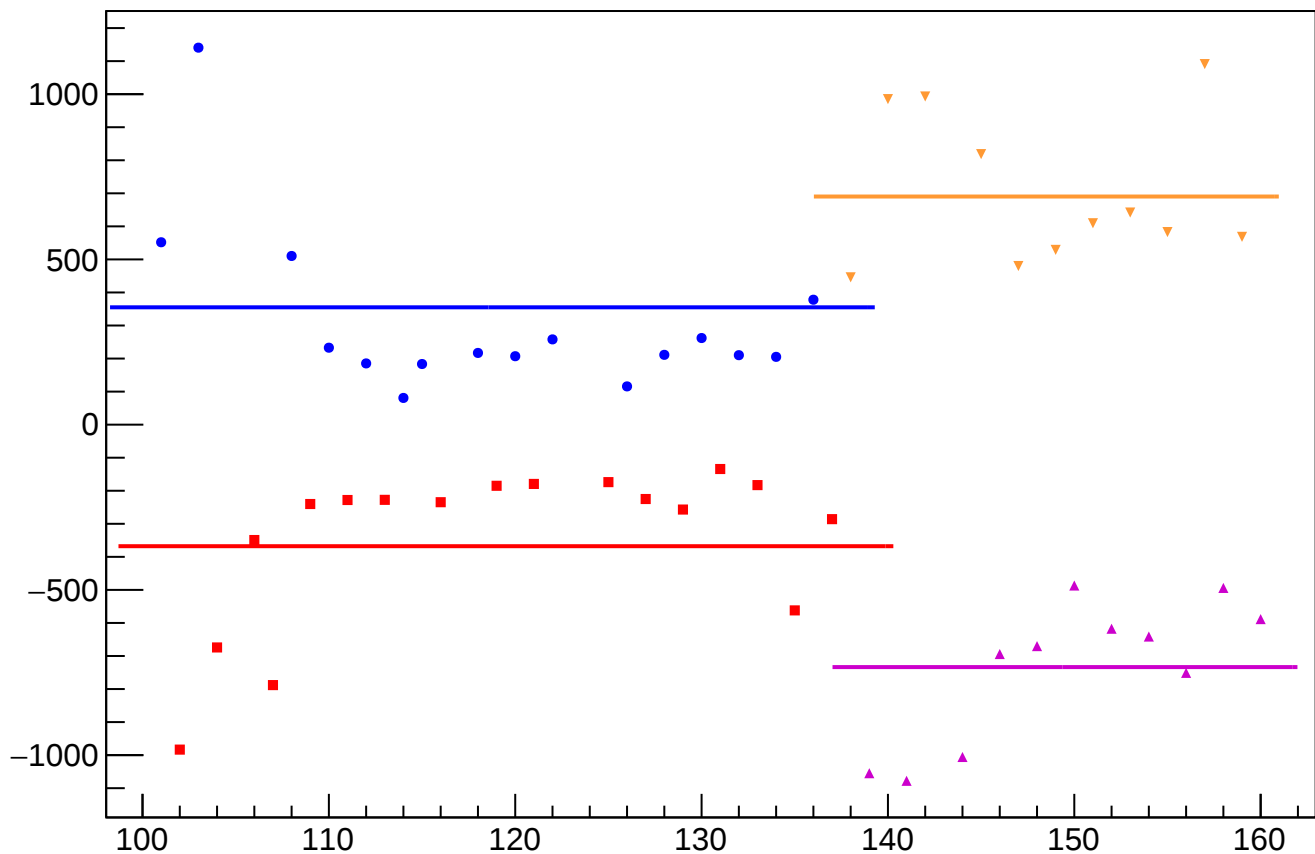
Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514
 Right: -31.639+/-0.000 χ^2/NDF : 156759750862946
 In: -273.986+/-0.000 χ^2/NDF : 2083200596416121
 Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_usl_coil1_mean vs Slug, Sign Corrected



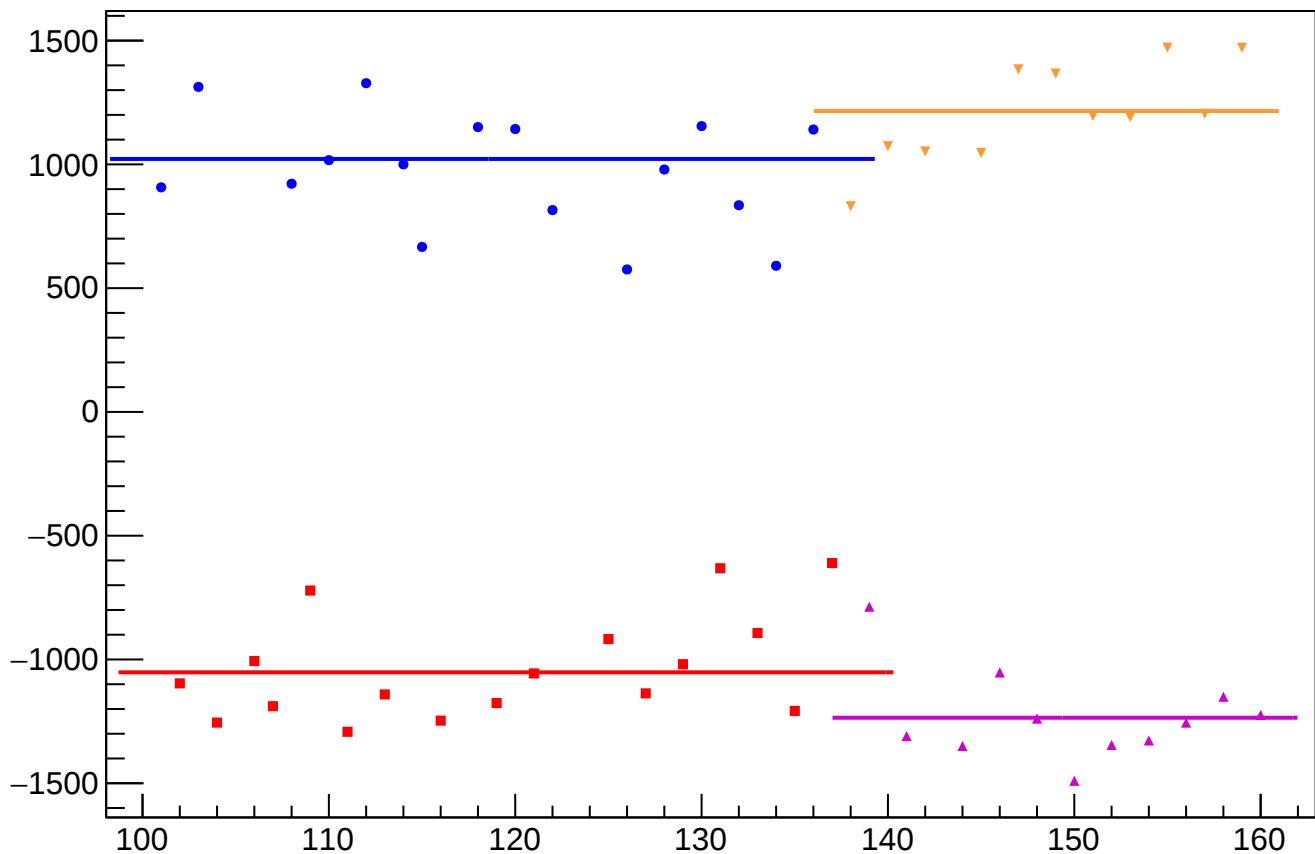
Right In: 17623.415+/-0.000 χ^2/NDF : 26214852160510248108396540611197117923328.0/15
 Left Out: 31121.908+/-0.000 χ^2/NDF : 23059902976455903047894835429096743239680.0/10
 Right Out: -16427.279+/-0.000 χ^2/NDF : 17497664990525804314439933995132913713152.0/16
 Left In: -32472.045+/-0.000 χ^2/NDF : 6559386601849495088258310306923846565888.0/10
 All: -1088.799+/-0.000 χ^2/NDF : 2272376029

dit_usl_coil1_err_mean vs Slug, Sign Corrected



Left: -58.130 +/- 0.000 χ^2/NDF : 9743117138498523
 Right: -9.212 +/- 0.000 χ^2/NDF : 2794166429678019
 In: 270.749 +/- 0.000 χ^2/NDF : 5597253612487438
 Out: 209.612 +/- 0.000 χ^2/NDF : 5133499304109703
 All: -36.638 +/- 0.000 χ^2/NDF : 125559457835

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.988+/-0.000

χ^2/NDF : 31240102732297466680062358937095110656.0/15

Left Out: 1215.518+/-0.000

χ^2/NDF : 31376780831313540387850491409995923456.0/10

Right Out: -1051.912+/-0.000

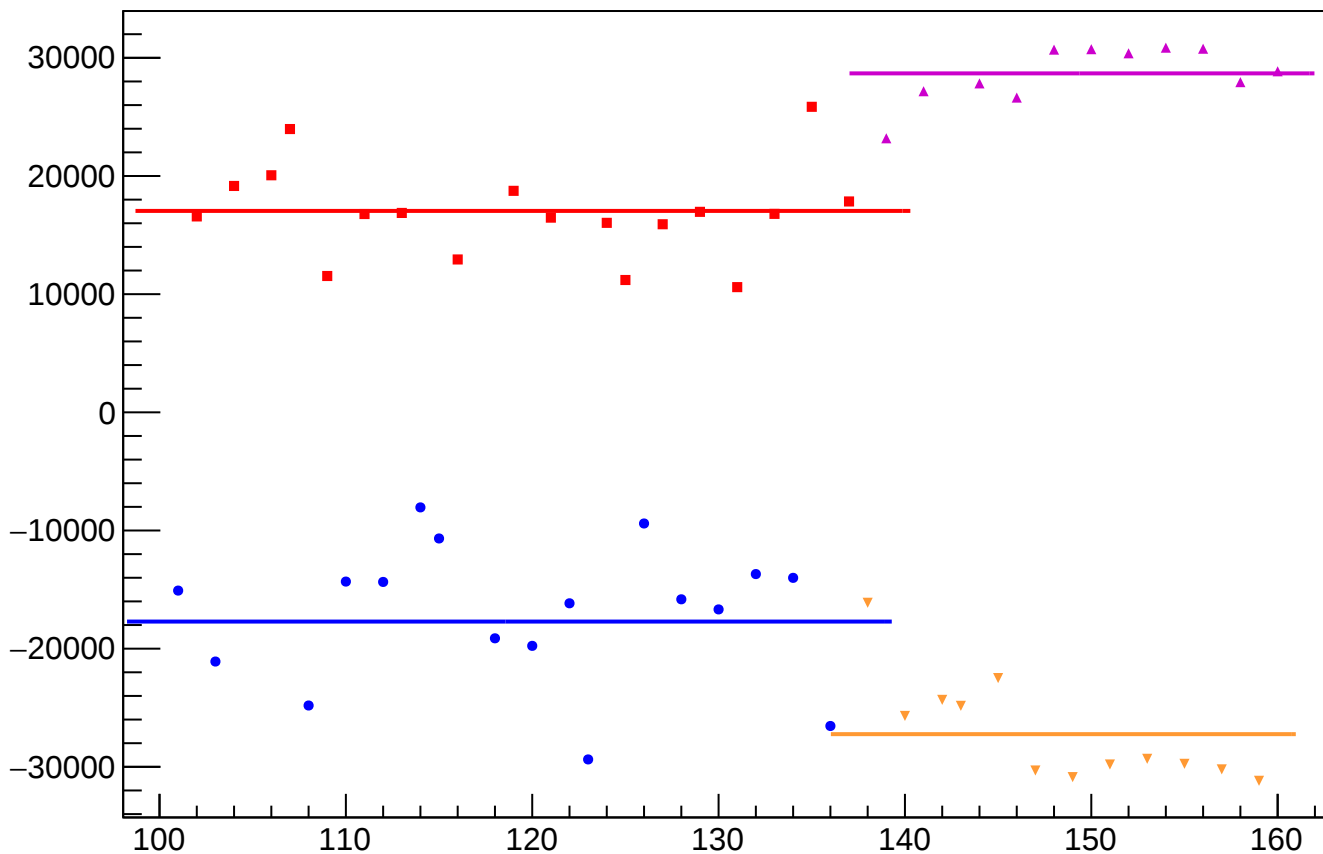
χ^2/NDF : 26857120331966502825045576618889707520.0/16

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

All: -50.947+/-0.000 χ^2/NDF : 427442302234

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -17706.432+/-0.000

Left Out: -27234.311+/-0.000

Right Out: 17045.413+/-0.000

Left In: 28684.462+/-0.000

χ^2/NDF : 17446583920719856354509663675734298722304.0/16

χ^2/NDF : 17501423858802312277149406811030835691520.0/11

χ^2/NDF : 10956517506901040130363493382016229965824.0/17

χ^2/NDF : 4838740363214091105444424537307038613504.0/10

Left: 1089.367+/-0.000 χ^2/NDF : 146203735628792

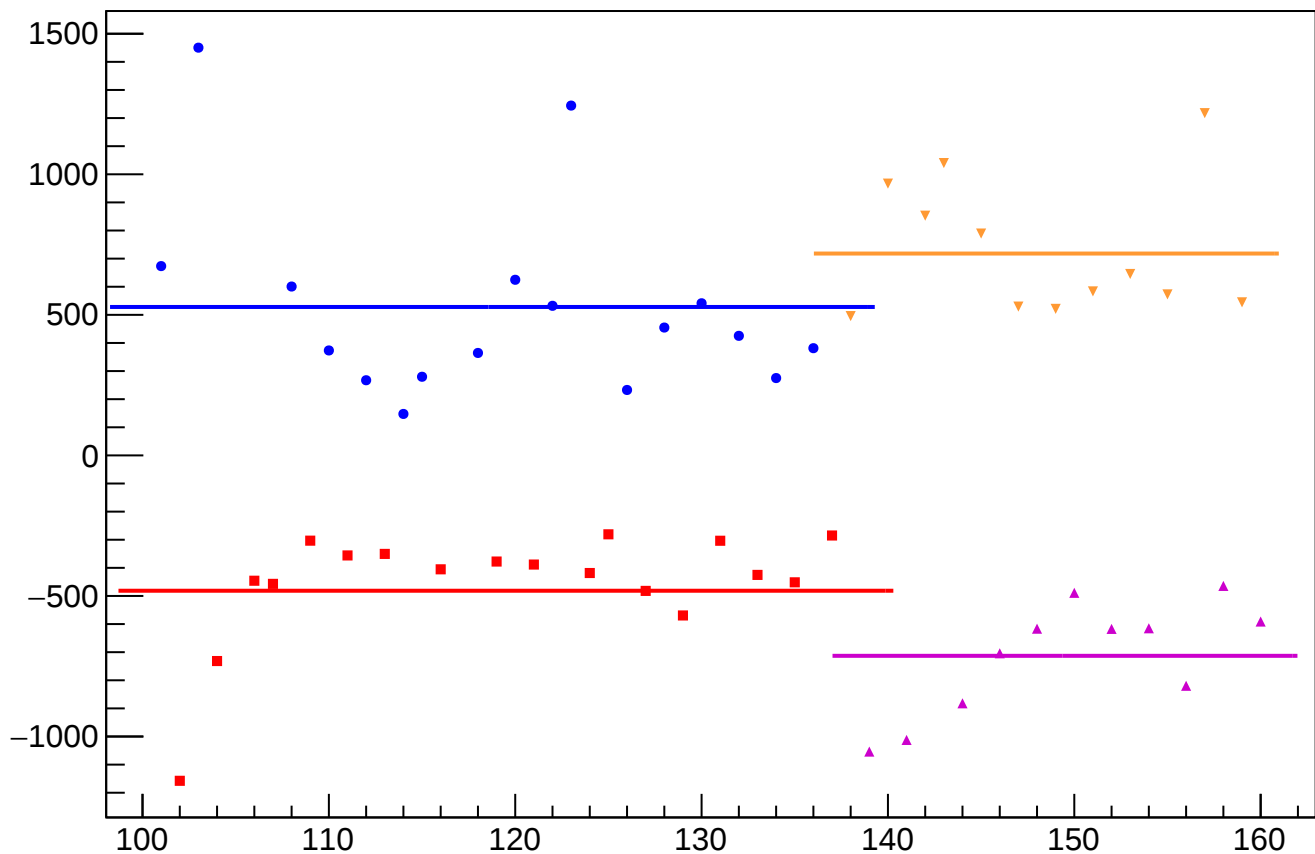
Right: -71.535+/-0.000 χ^2/NDF : 453717668983601

In: 8896.336+/-0.000 χ^2/NDF : 8787689036344538

Out: -7739.235+/-0.000 χ^2/NDF : 81313997076269

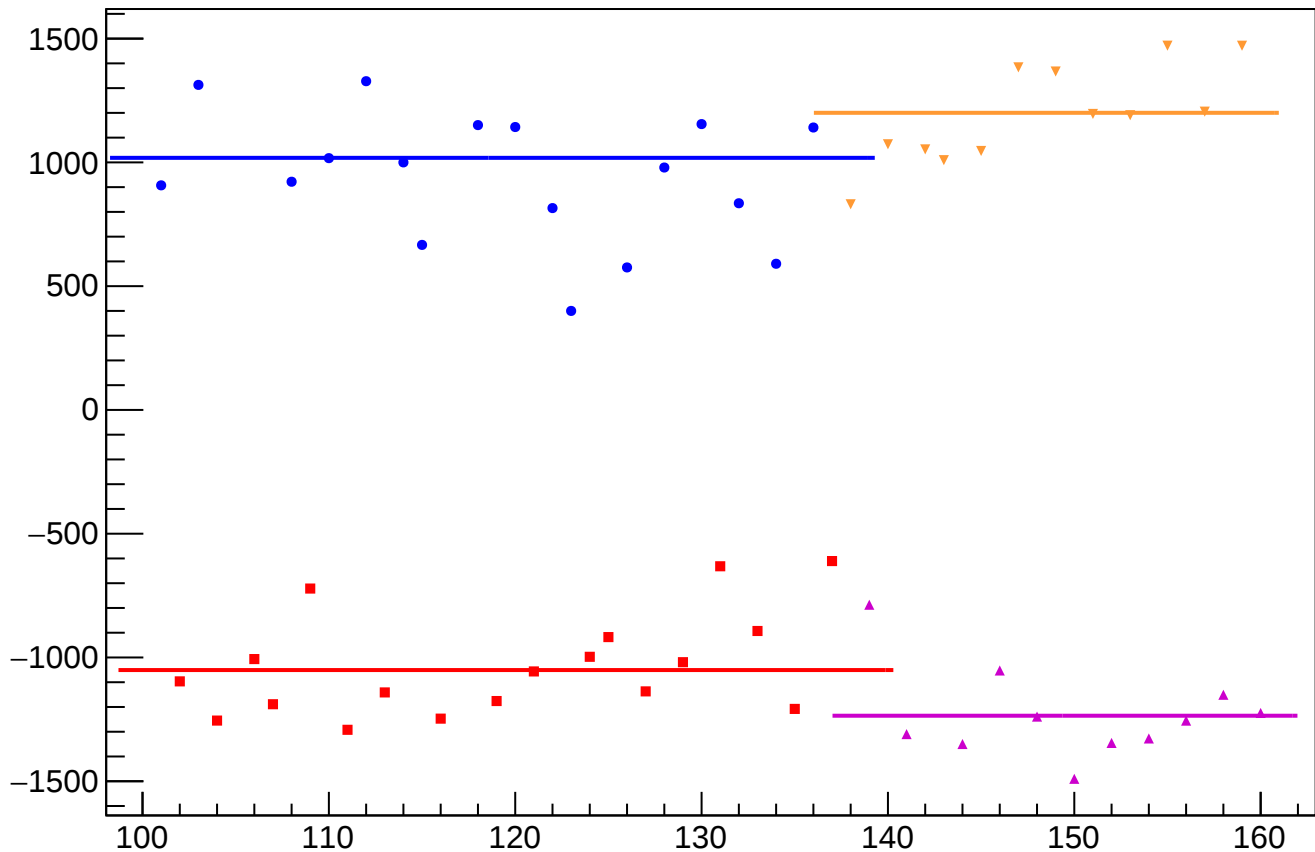
All: 586.226+/-0.000 χ^2/NDF : 191683093358

dit_usr_coil1_err_mean vs Slug, Sign Corrected



Right In: 528.041 $\pm$ 0.000 χ^2 /NDF: 69659723827653646879006199384029265920.0/16
 Left Out: 718.075 $\pm$ 0.000 χ^2 /NDF: 47539185486125031464503975982300921856.0/11
 Right Out: -481.423 $\pm$ 0.000 χ^2 /NDF: 37781807344960782949995964438094544896.0/17
 Left In: -712.956 $\pm$ 0.000 χ^2 /NDF: 33715682233034029284600696449779367936.0/10
 All: 3.010 $\pm$ 0.000 χ^2 /NDF: 14908458943578

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

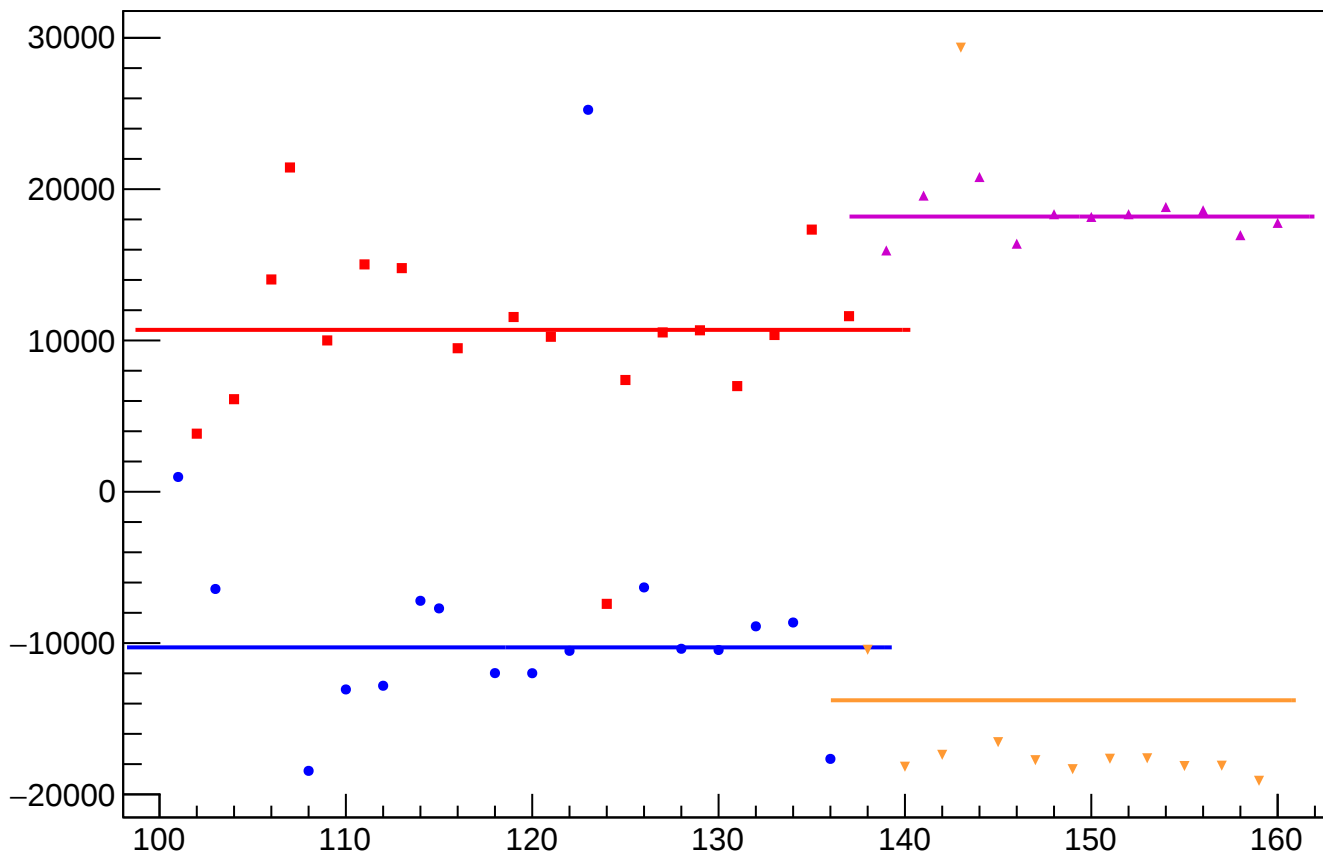
χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514
 Right: -31.639+/-0.000 χ^2/NDF : 156759750862946
 In: -273.986+/-0.000 χ^2/NDF : 2083200596416121
 Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10283.660 +/- 0.000

Left Out: -13780.875 +/- 0.000

Right Out: 10700.860 +/- 0.000

Left In: 18189.629 +/- 0.000

χ^2/NDF : 22542685724167344155071704935611221671936.0/16

χ^2/NDF : 138817330584648681822484556617162256547840.0/11

χ^2/NDF : 17608009820774086602629870631925827239936.0/17

χ^2/NDF : 1634139917822330923820252034017137786880.0/10

Left: 2412.654 +/- 0.000 χ^2/NDF : 611054666370734

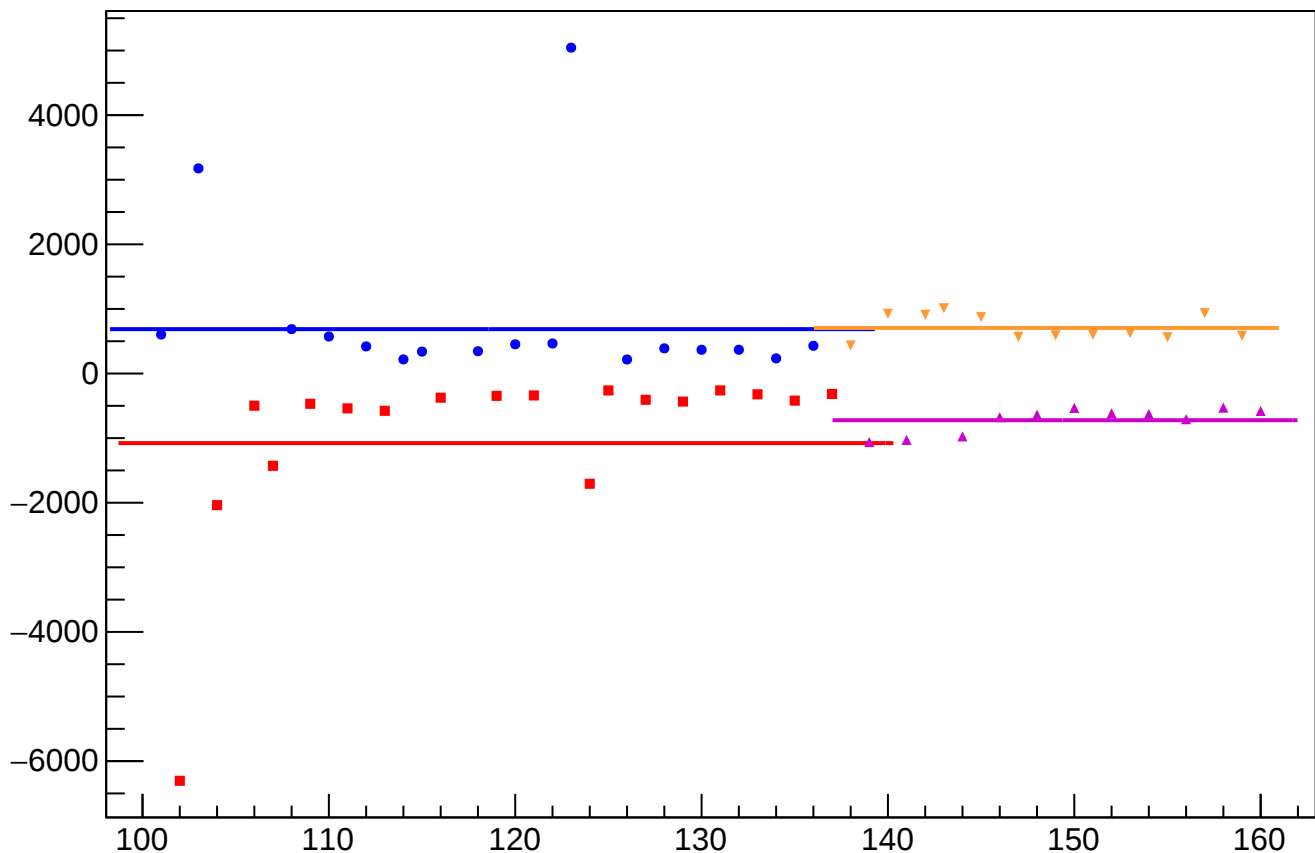
Right: 364.979 +/- 0.000 χ^2/NDF : 195229550865575

In: 6044.293 +/- 0.000 χ^2/NDF : 3468247016177401

Out: -3002.279 +/- 0.000 χ^2/NDF : 39629112865586

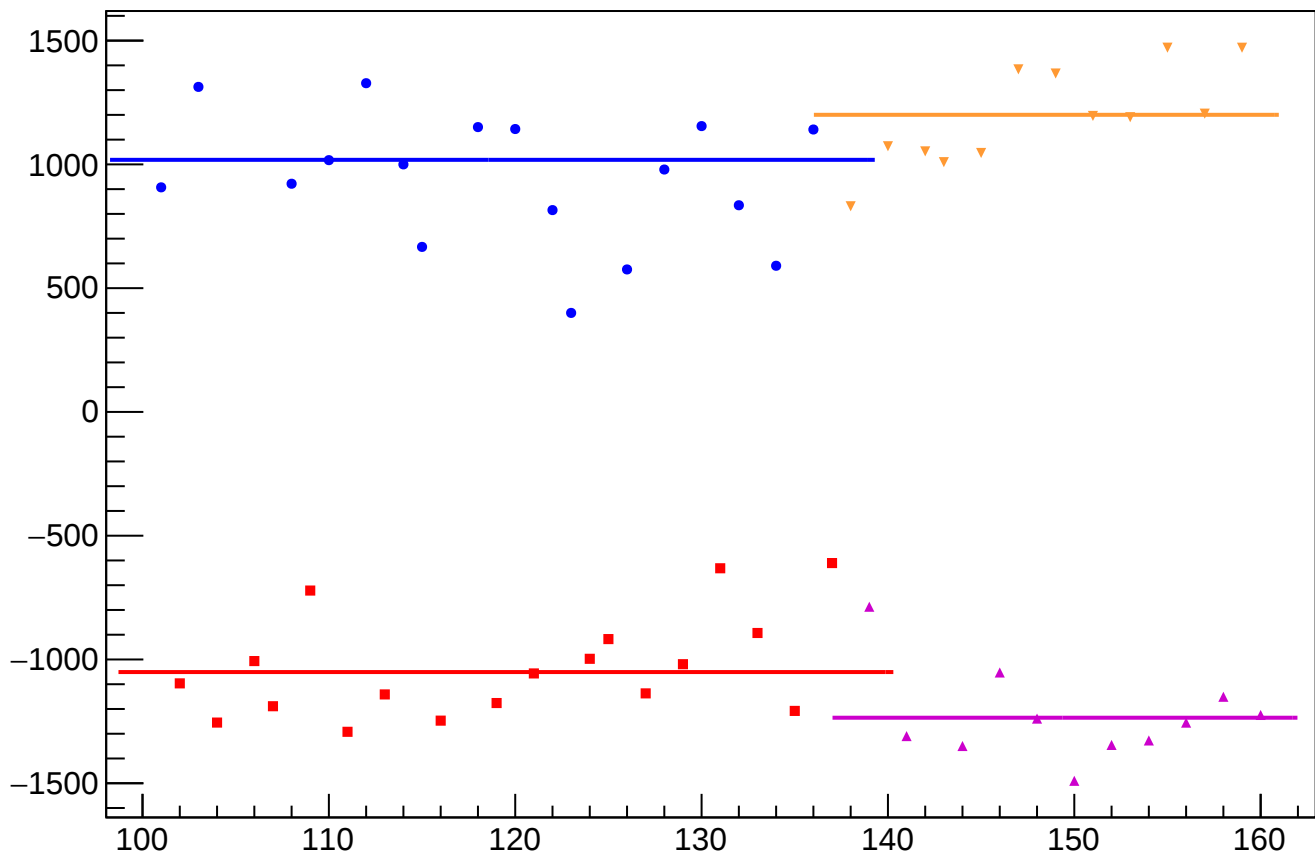
All: 1525.181 +/- 0.000 χ^2/NDF : 80963160115

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



Left: -17.955+/-0.000 χ^2/NDF : 1003790614261343
 Right In: 686.989+/-0.000 χ^2/NDF : 493304193623954738914781428530632720384.0/16
 Right: -208.103+/-0.000 χ^2/NDF : 34871533340900
 Left Out: 705.686+/-0.000 χ^2/NDF : 30616664019236375652772902235296235520.0/11
 In: -121.555+/-0.000 χ^2/NDF : 1317892866614971
 Right Out: -1076.905+/-0.000 χ^2/NDF : 1898129082549914246384223466564869947392.0/17
 Out: -79.137+/-0.000 χ^2/NDF : 3200453454519733
 Left In: -722.981+/-0.000 χ^2/NDF : 33412765649158577967580020065397899264.0/10
 All: -100.366+/-0.000 χ^2/NDF : 45198086935

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

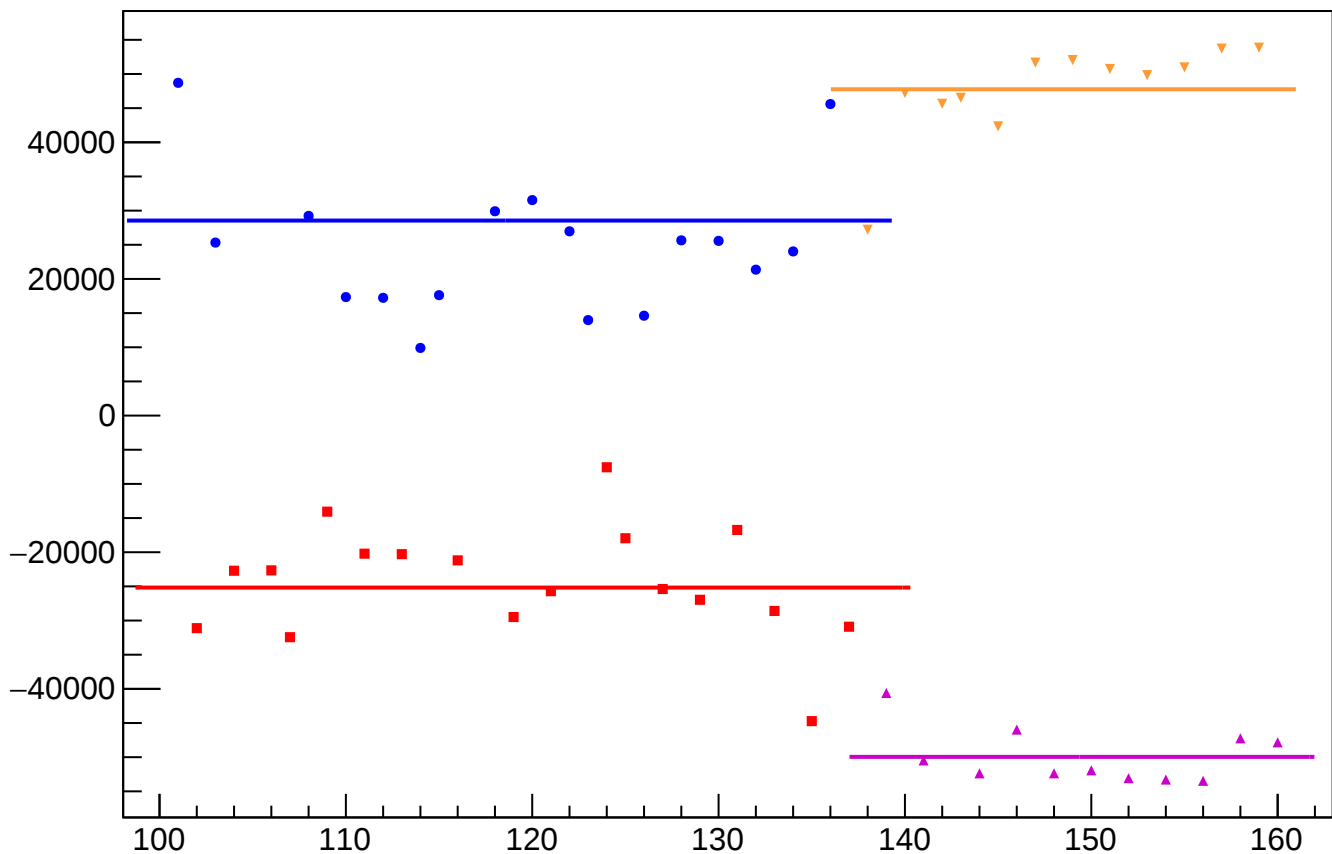
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 28545.088+/-0.000

χ^2/NDF : 79305503092498524397532941064889916456960.0/16

Left Out: 47763.203+/-0.000

χ^2/NDF : 45759984204233972463295715243734259990528.0/11

Right Out: -25173.072+/-0.000

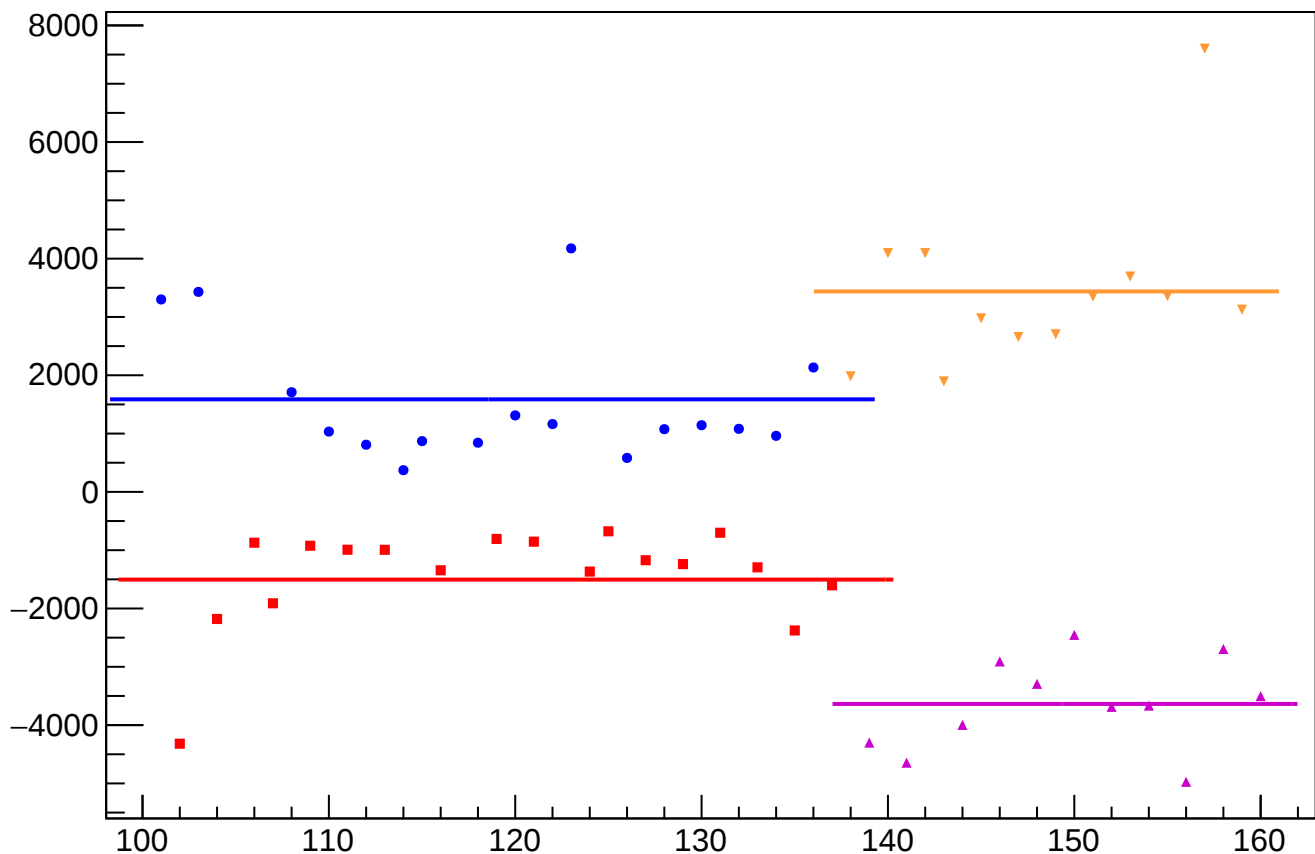
χ^2/NDF : 42747079455180569490134671830323044548608.0/17

Left In: -49953.612+/-0.000

χ^2/NDF : 13577033864383990821014727544731703705600.0/10

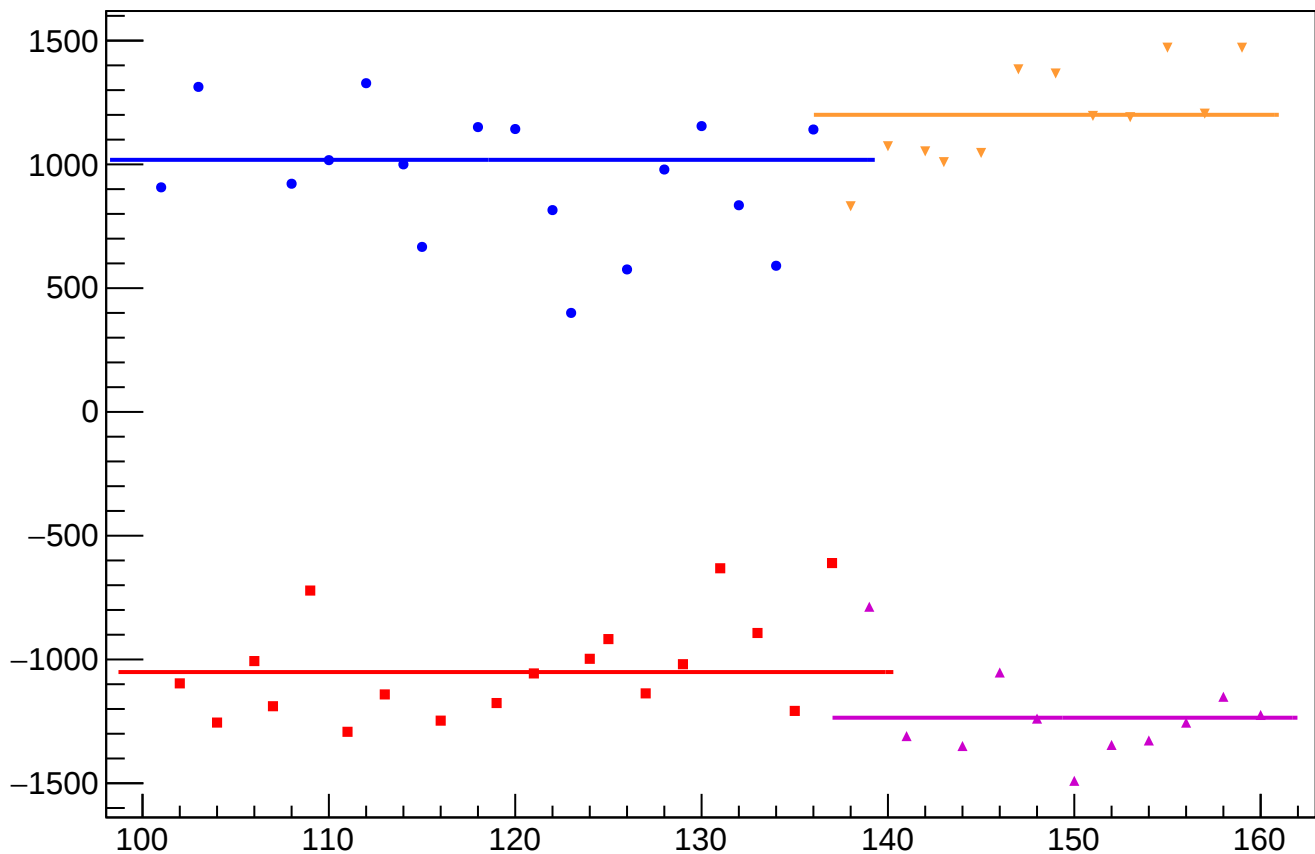
All: -424.000+/-0.000 χ^2/NDF : 56012725054

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



Right In: 1587.187 ± 0.000 $\chi^2/\text{NDF}: 615324434940076903003531567179686215680.0/16$
 Left Out: 3437.732 ± 0.000 $\chi^2/\text{NDF}: 1787367668595754289869839739980022284288.0/11$
 Right Out: -1504.230 ± 0.000 $\chi^2/\text{NDF}: 678771439829187339393474850676239499264.0/17$
 Left In: -3636.942 ± 0.000 $\chi^2/\text{NDF}: 531629510499304026743248594251812962304.0/10$
 All: -74.557 ± 0.000 $\chi^2/\text{NDF}: 300448399053$

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

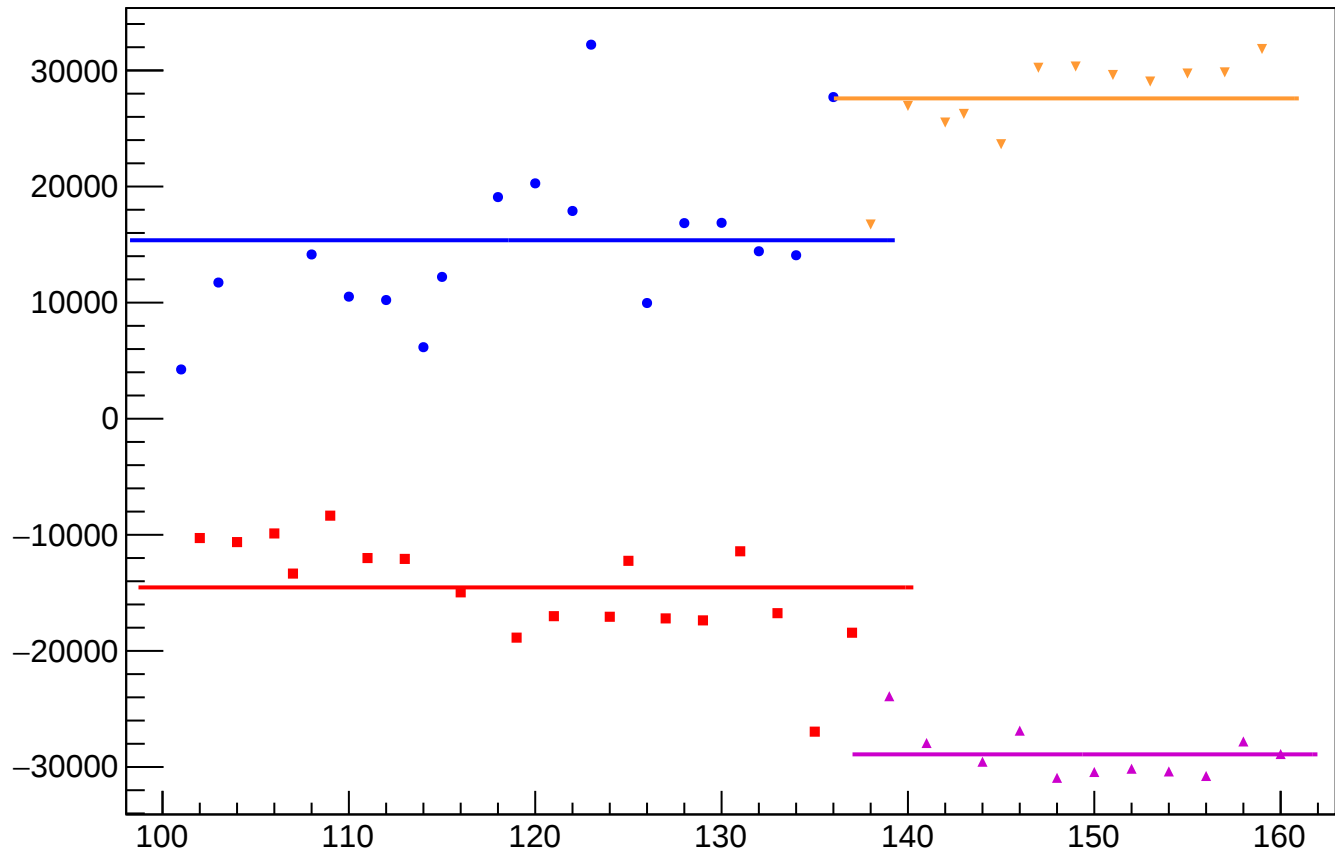
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

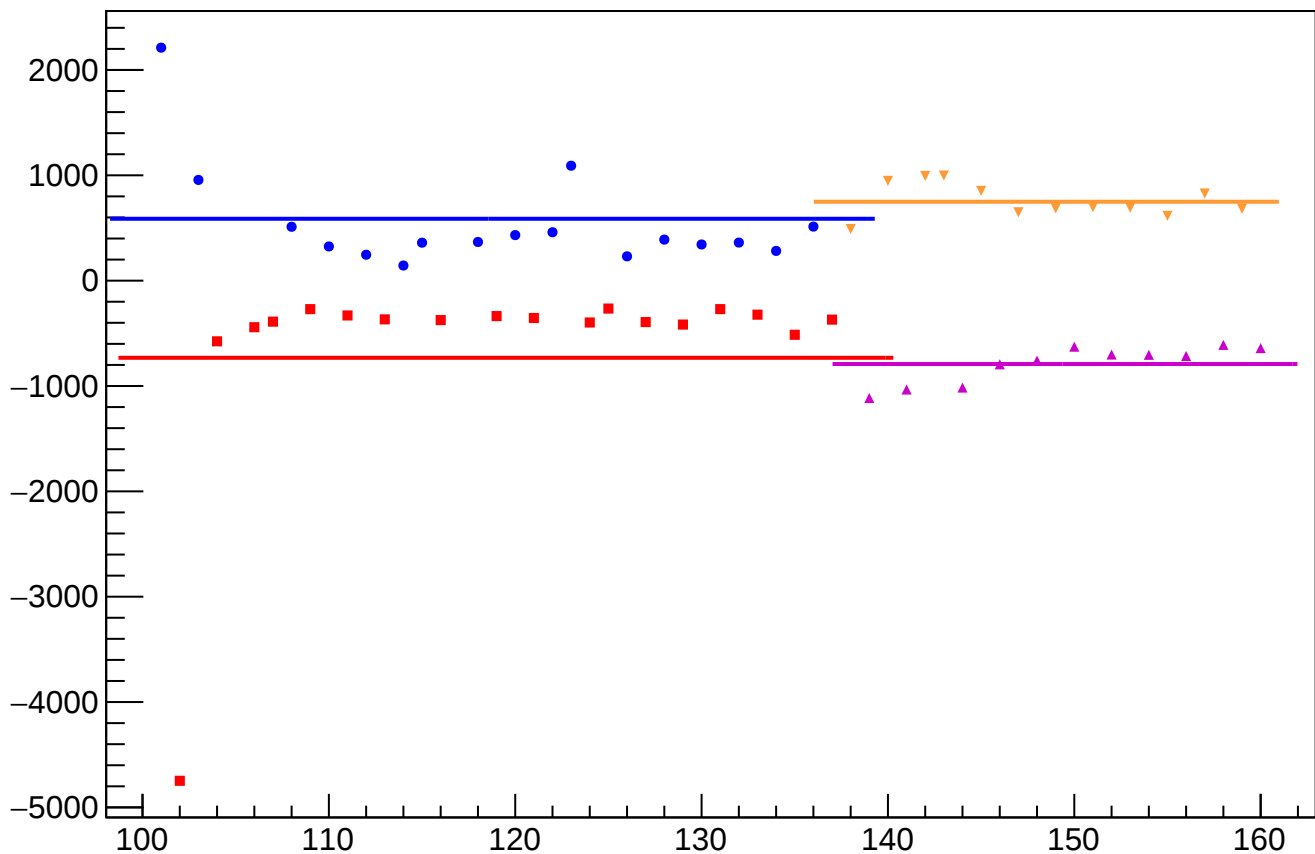
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atr1_coil1_mean vs Slug, Sign Corrected



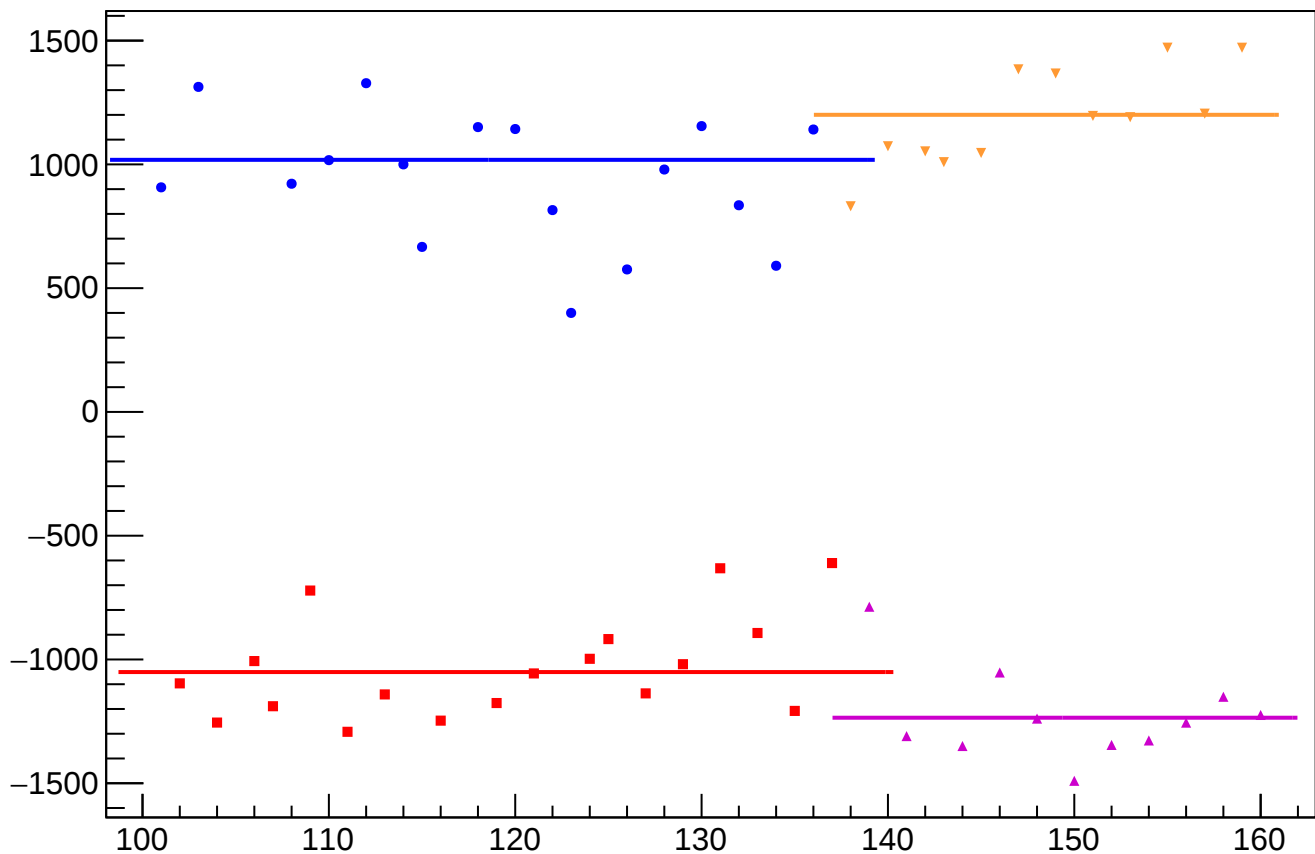
Right In: 15371.957+/-0.000 χ^2/NDF : 29284474571084462407736251938608521412608.0/16
 Left Out: 27590.549+/-0.000 χ^2/NDF : 14629897493361033715378591637422508867584.0/11
 Right Out: -14530.553+/-0.000 χ^2/NDF : 15462988113686651104588076983529515253760.0/17
 Left In: -28911.407+/-0.000 χ^2/NDF : 3750623516154684604168342640620271042560.0/10
 All: -496.998+/-0.000 χ^2/NDF : 18491099941

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



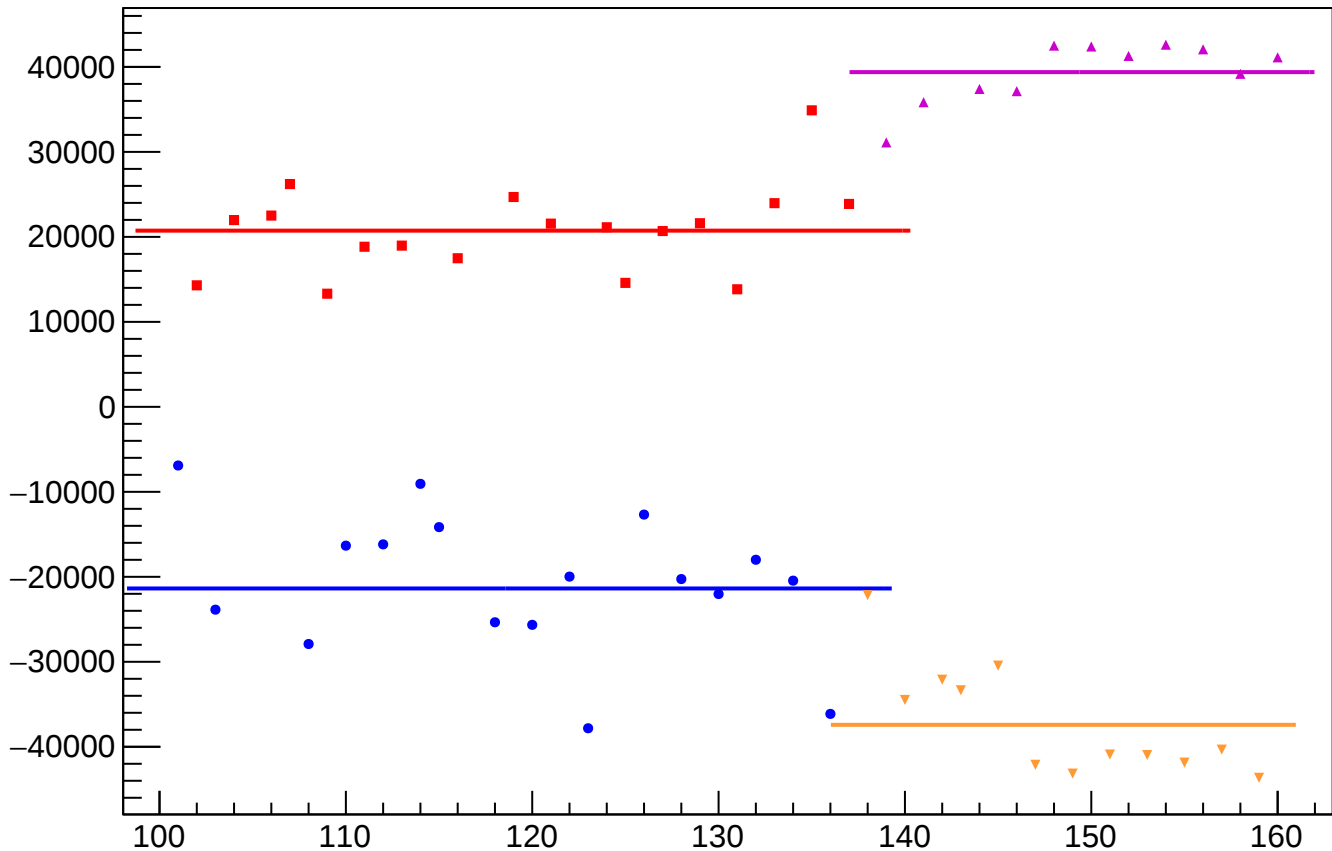
Right In: 587.577+/-0.000 χ^2/NDF : 195107984512310448986091727250308202496.0/16
 Left Out: 749.082+/-0.000 χ^2/NDF : 19986493434775093751754489968960995328.0/11
 Right Out: -732.166+/-0.000 χ^2/NDF : 1022613131551712750449458449642369843200.0/17
 Left In: -791.279+/-0.000 χ^2/NDF : 26822559207642096711518423492795039744.0/10
 All: -53.235+/-0.000 χ^2/NDF : 297244099785

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21370.339+/-0.000

Left Out: -37415.440+/-0.000

Right Out: 20735.001+/-0.000

Left In: 39386.944+/-0.000

χ^2/NDF : 44476087148423218769698830448172004802560.0/16

χ^2/NDF : 36893164654983701349381151569495382294528.0/11

χ^2/NDF : 21267884844776863671050573800564620001280.0/17

χ^2/NDF : 11090931788233525208634627212015308898304.0/10

Left: 1486.093+/-0.000 χ^2/NDF : 276383113141512

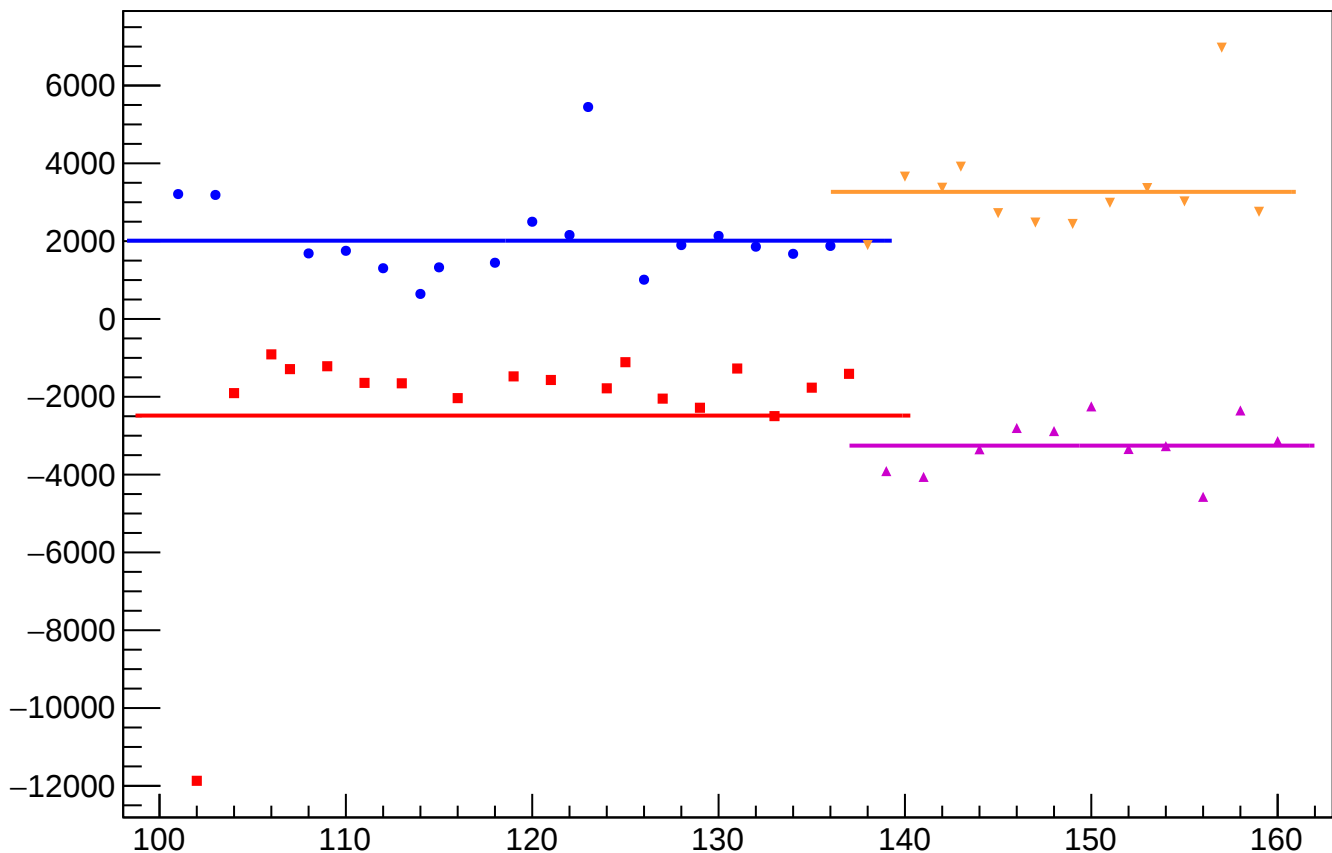
Right: -3.896+/-0.000 χ^2/NDF : 6900950472840911

In: 13470.807+/-0.000 χ^2/NDF : 152466323892427

Out: -11813.491+/-0.000 χ^2/NDF : 1411448108237

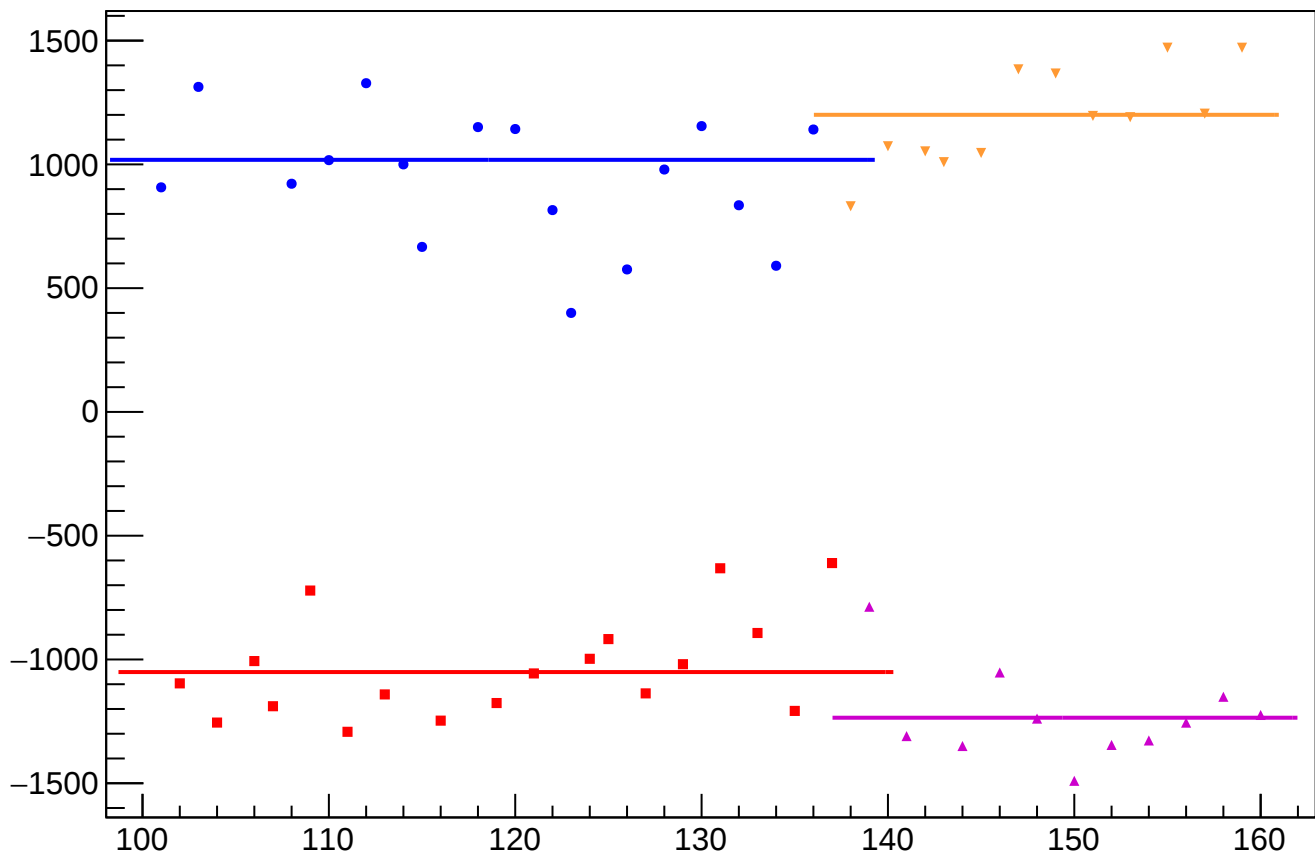
All: 840.324+/-0.000 χ^2/NDF : 345569852964

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



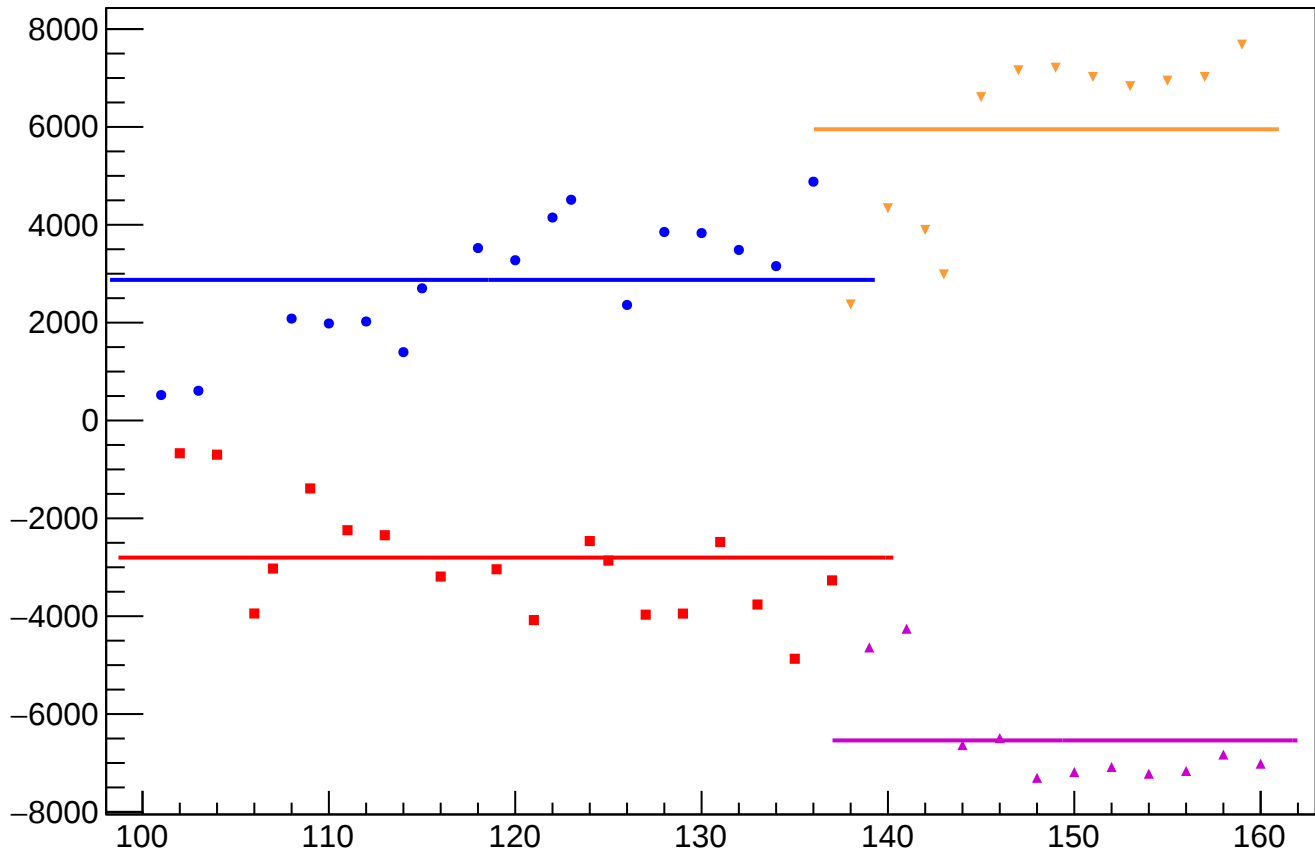
Right In: 2011.970+/-0.000 χ^2/NDF : 346652592308673178727003456260959895552.0/16
 Left Out: 3267.187+/-0.000 χ^2/NDF : 1365364759229998432134037030614341779456.0/11
 Right Out: -2482.921+/-0.000 χ^2/NDF : 5673812113008855047349052904680066121728.0/17
 Left In: -3255.280+/-0.000 χ^2/NDF : 418327011986445588651238941523934445568.0/10
 All: -137.276+/-0.000 χ^2/NDF : 34550109983

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



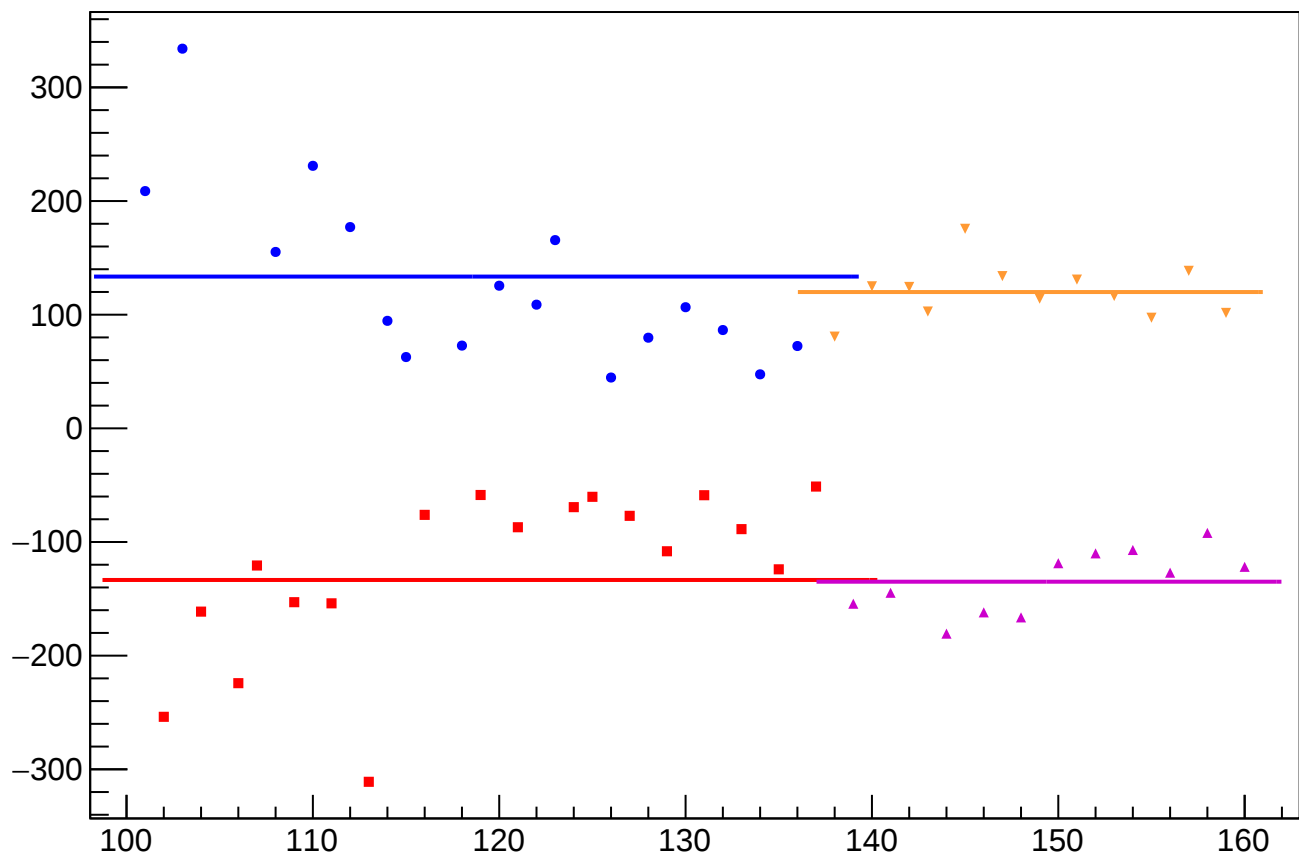
Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam1_coil1_mean vs Slug, Sign Corrected



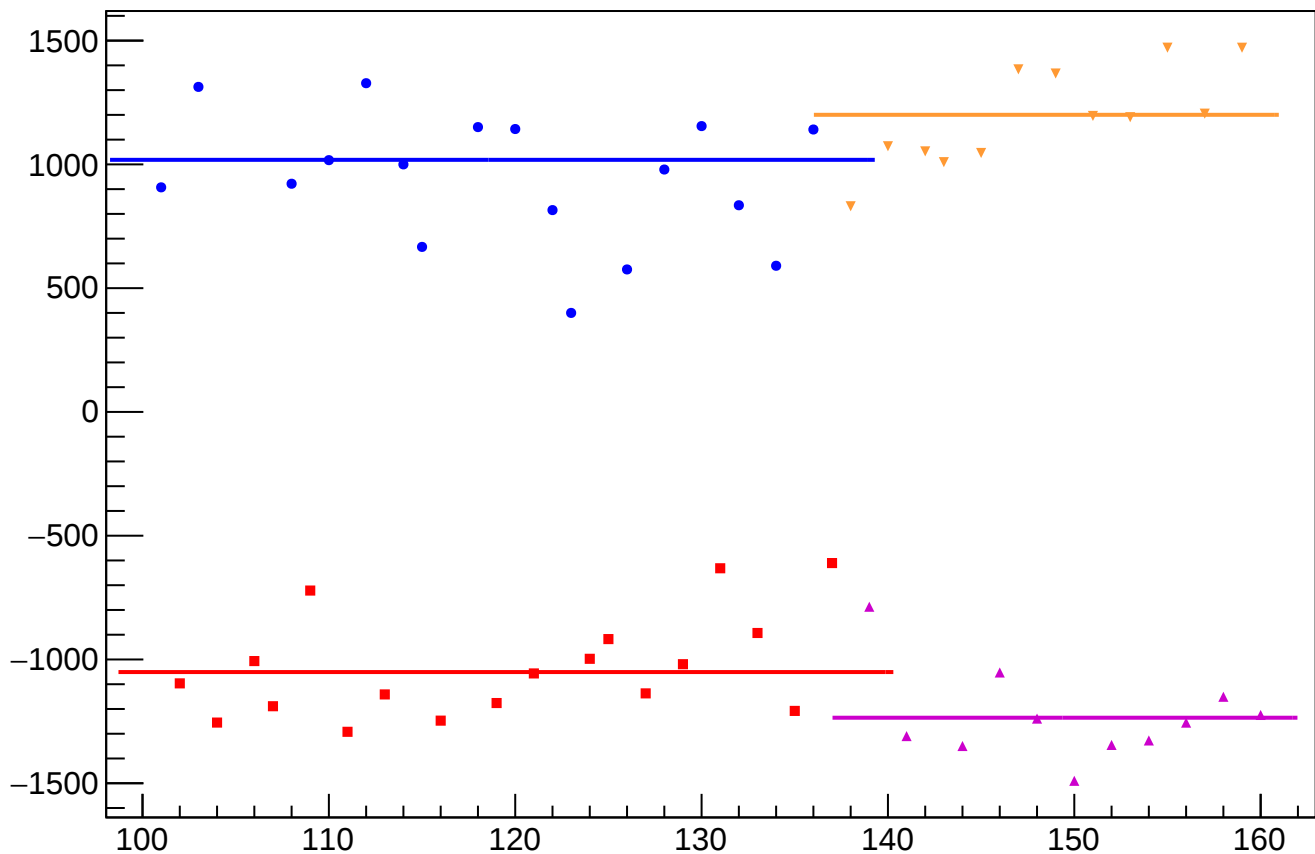
Right In: 2874.142 $\pm$ 0.000 χ^2 /NDF: 1331222919424099285024540359740568371200.0/16
 Left Out: 5952.071 $\pm$ 0.000 χ^2 /NDF: 2833818943109615822191848442455285301248.0/11
 Right Out: -2802.151 $\pm$ 0.000 χ^2 /NDF: 1095477572477657195402092119674444578816.0/17
 Left In: -6539.067 $\pm$ 0.000 χ^2 /NDF: 947421211454184627704546632992611631104.0/10
 All: -215.134 $\pm$ 0.000 χ^2 /NDF: 89502411249

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



Right In: 133.542 $\pm$ 0.000 χ^2 /NDF: 4543635536863363524362136904007680000.0/16
 Left Out: 119.938 $\pm$ 0.000 χ^2 /NDF: 506287177502147090737971040893272064.0/11
 Right Out: -133.414 $\pm$ 0.000 χ^2 /NDF: 3923674220000100911612282920536899584.0/17
 Left In: -134.936 $\pm$ 0.000 χ^2 /NDF: 683742897306443646966443406983692288.0/10
 All: -6.024 $\pm$ 0.000 χ^2 /NDF: 6470622923911

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

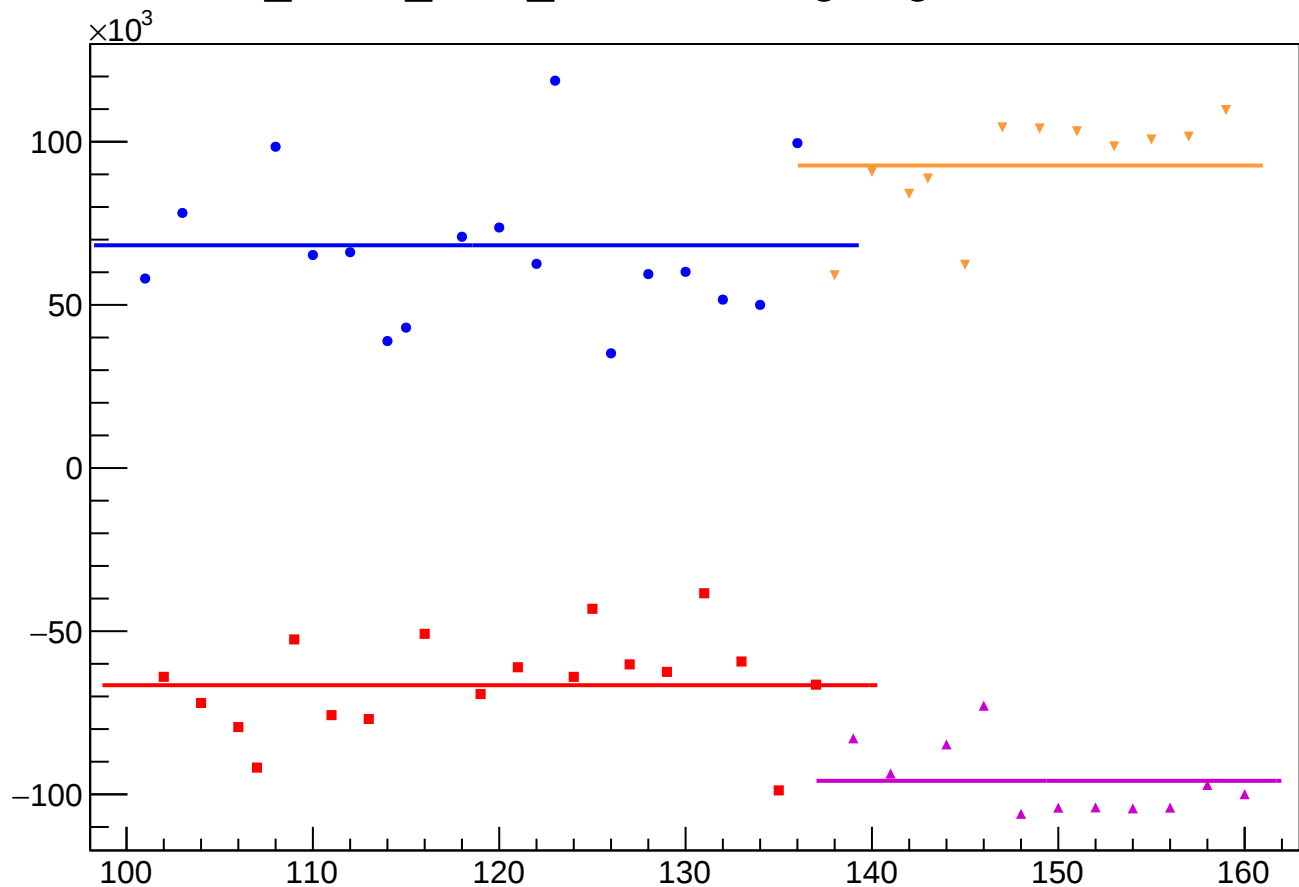
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 68271.144+/-0.000

χ^2/NDF : 235026660939690757848337831565145453625344.0/16

Left Out: 92717.908+/-0.000

χ^2/NDF : 232153760216632352324453742795605416083456.0/11

Right Out: -66552.333+/-0.000

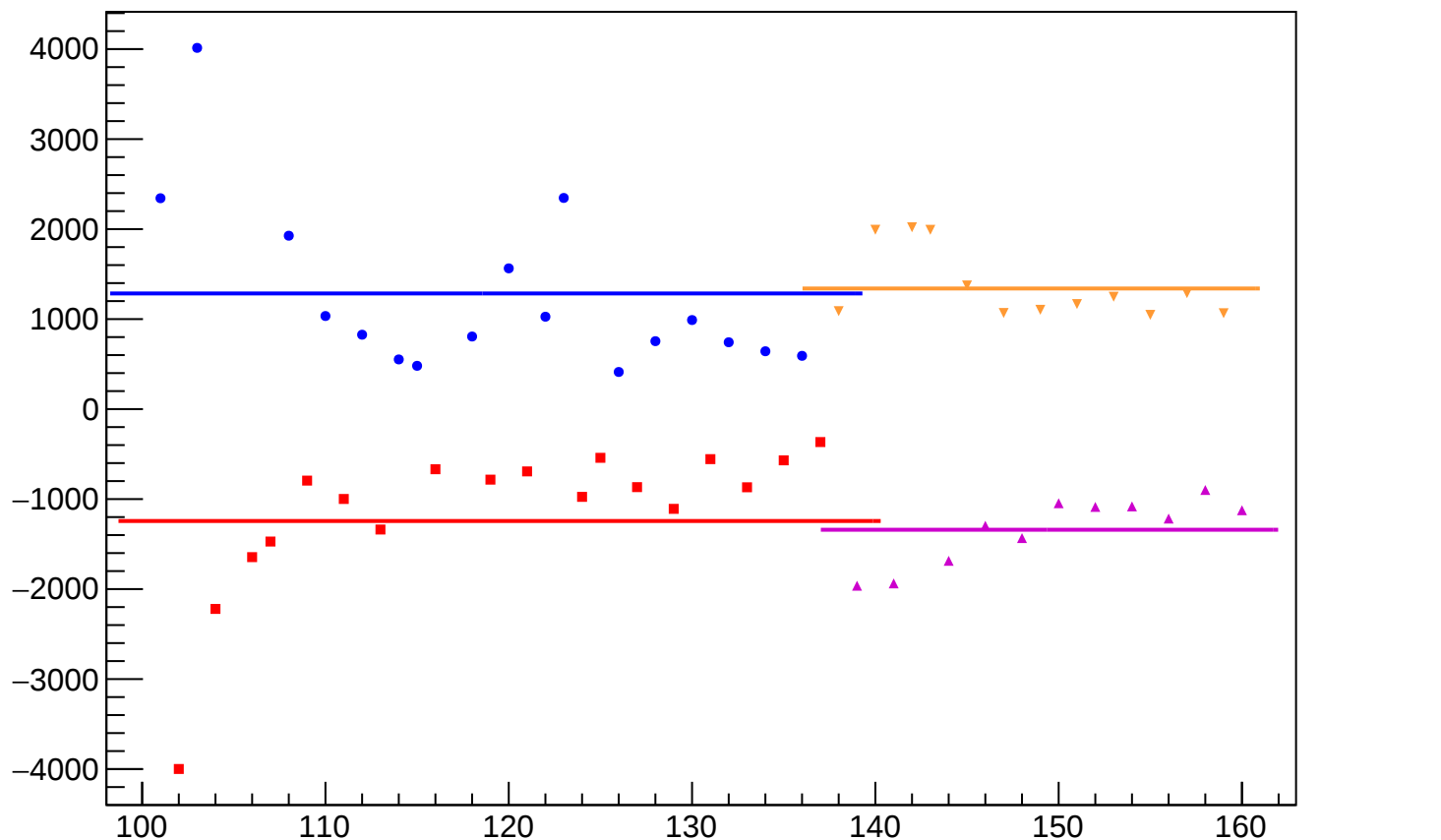
χ^2/NDF : 160169834970936771160063883899631076114432.0/17

Left In: -95856.790+/-0.000

χ^2/NDF : 102994954285402902924974022528111745171456.0/10

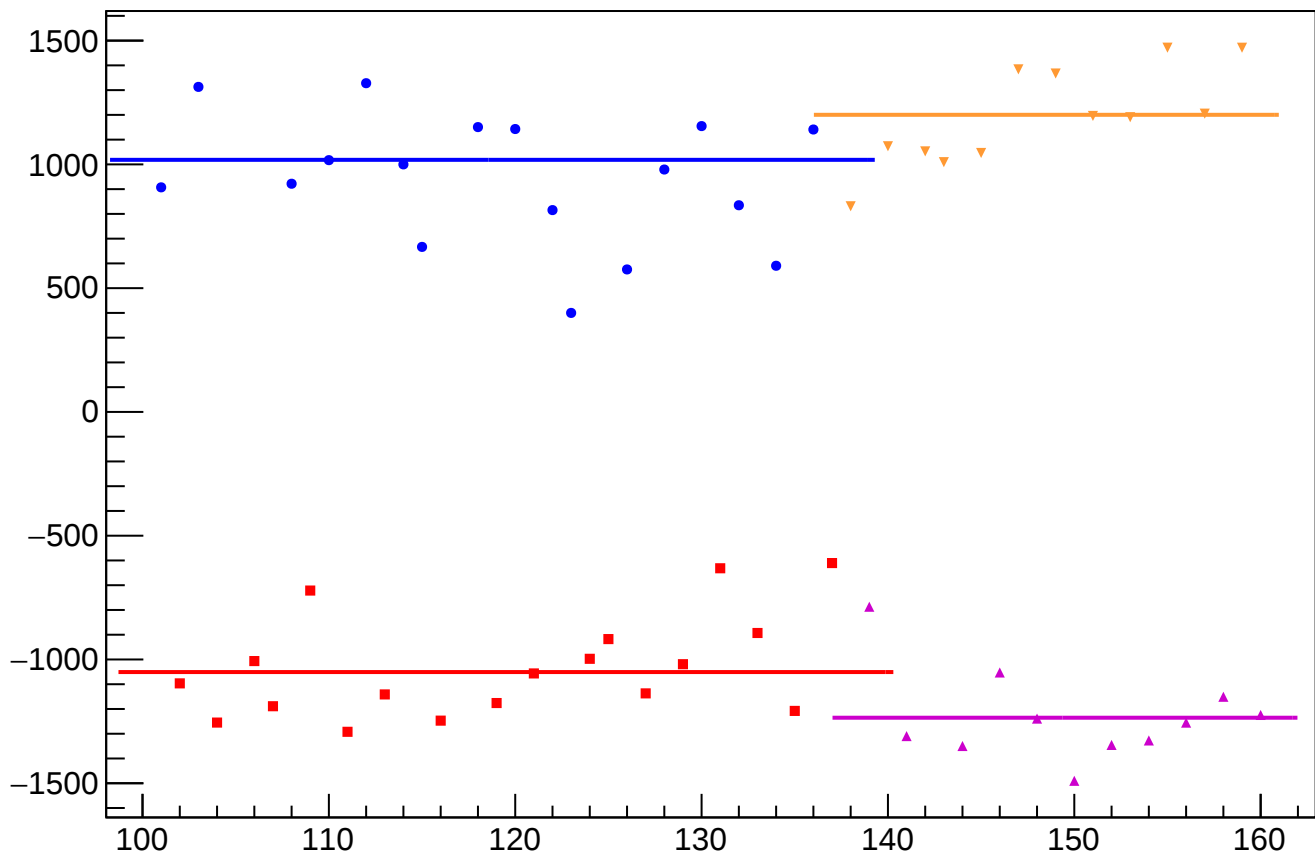
All: -1648.278+/-0.000 χ^2/NDF : 2351031089

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



Right In: 1284.940+/-0.000 χ^2/NDF : 683539831030777721568567692799915327488.0/16
 Left Out: 1340.000+/-0.000 χ^2/NDF : 116326245376352875631706190484755972096.0/11
 Right Out: -1243.357+/-0.000 χ^2/NDF : 625737092307119238017872949095807582208.0/17
 Left In: -1340.697+/-0.000 χ^2/NDF : 113497084889581869864754089979493220352.0/10
 All: -9.247+/-0.000 χ^2/NDF : 7099247907487

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

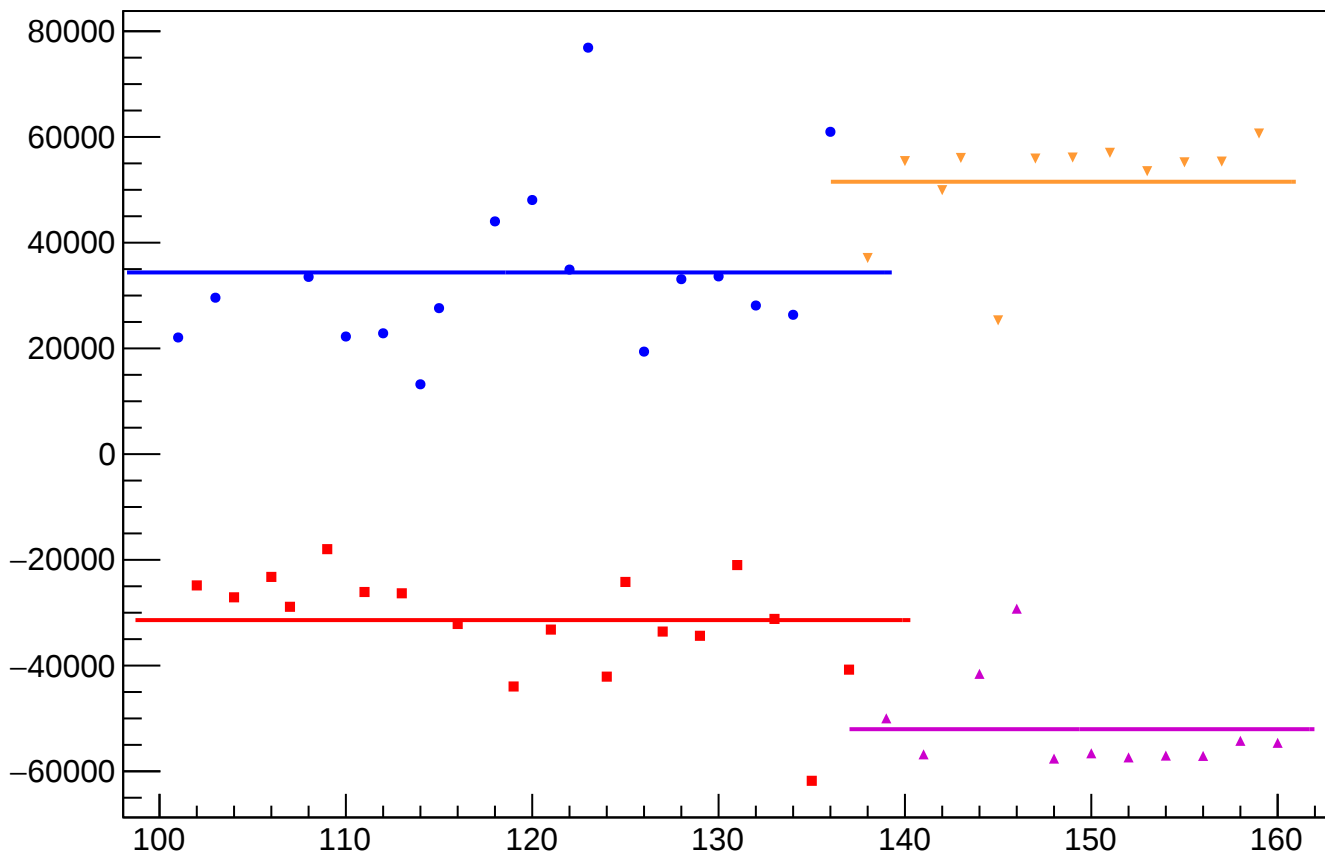
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam3_coil1_mean vs Slug, Sign Corrected



Right In: 34369.403+/-0.000

χ^2/NDF : 121175034584498762854553117020903178240000.0/16

Left Out: 51528.453+/-0.000

χ^2/NDF : 87309132481343179098596905129114857373696.0/11

Right Out: -31397.869+/-0.000

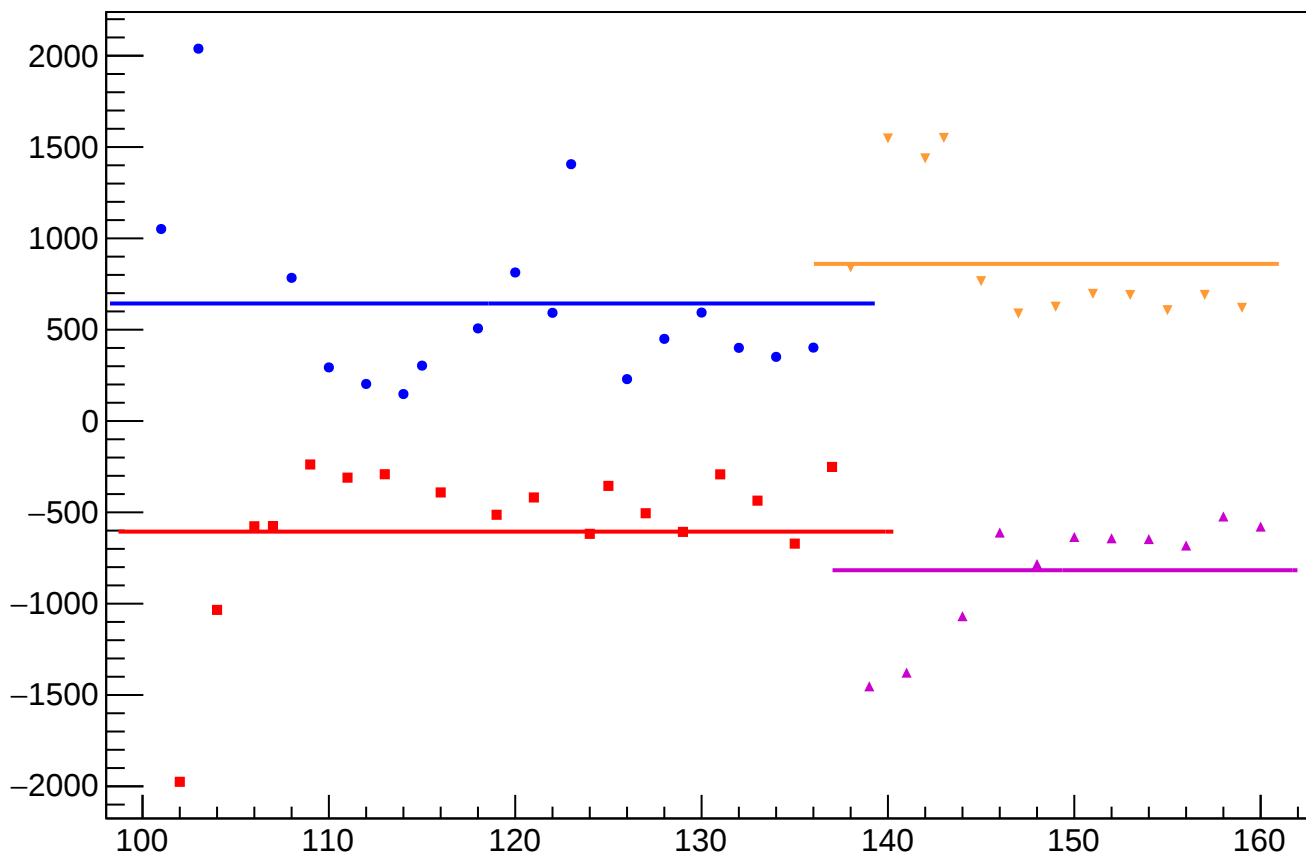
χ^2/NDF : 79791187049723357576303825736183029170176.0/17

Left In: -52033.522+/-0.000

χ^2/NDF : 67338083803269731476711249699025786503168.0/10

All: -93.824+/-0.000 χ^2/NDF : 681988773925

dit_sam3_coil1_err_mean vs Slug, Sign Corrected



Right In: 643.513+/-0.000

χ^2/NDF : 166606755510131009794947888972916850688.0/16

Left Out: 860.333+/-0.000

χ^2/NDF : 113447619211020210726400023771184365568.0/11

Right Out: -605.599+/-0.000

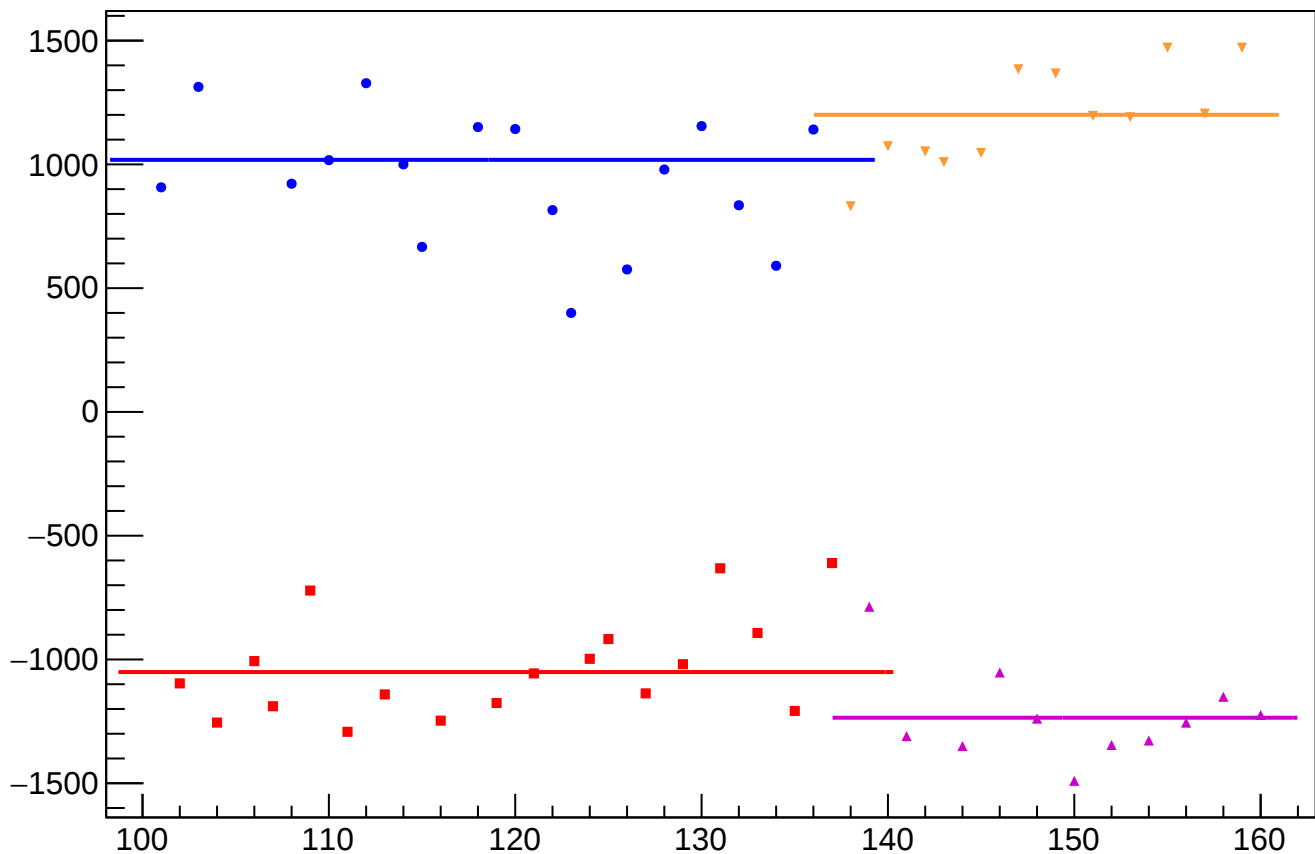
χ^2/NDF : 146641318103644748879900892058773094400.0/17

Left In: -816.958+/-0.000

χ^2/NDF : 90193686816714640570749106655187697664.0/10

Left: 10.761+/-0.000 χ^2/NDF : 14989490126768698.0/16
 Right: 9.648+/-0.000 χ^2/NDF : 86273516072958254.0/16
 In: -193.991+/-0.000 χ^2/NDF : 1105667142410364.0/16
 Out: 214.926+/-0.000 χ^2/NDF : 1120115601075459.0/16
 All: 10.279+/-0.000 χ^2/NDF : 2361685161076.0/16

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

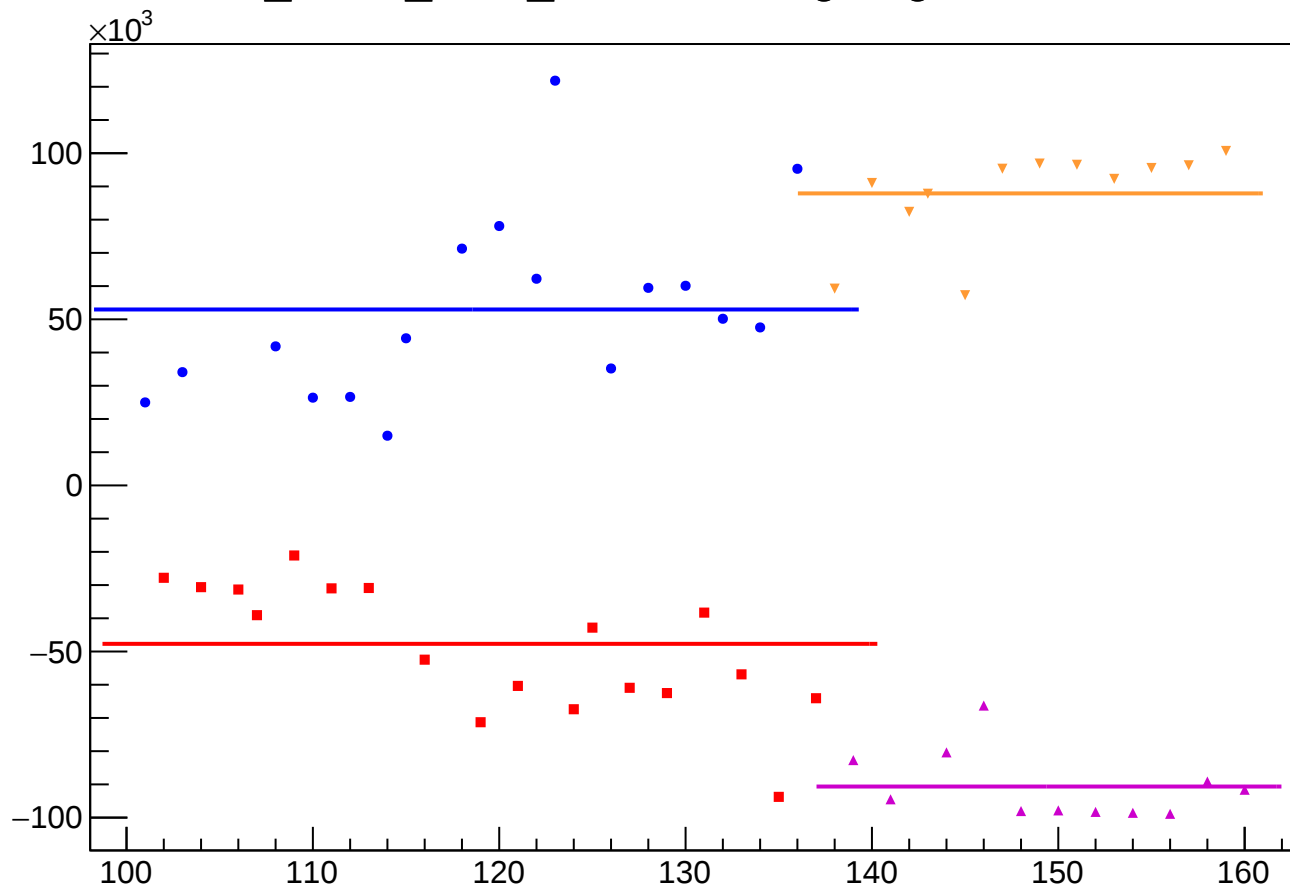
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam4_coil1_mean vs Slug, Sign Corrected



Right In: 52960.923+/-0.000

χ^2/NDF : 388091282862865702902242590456549457526784.0/16

Left Out: 87902.834+/-0.000

χ^2/NDF : 181078064018170990794226695799487636439040.0/11

Right Out: -47689.948+/-0.000

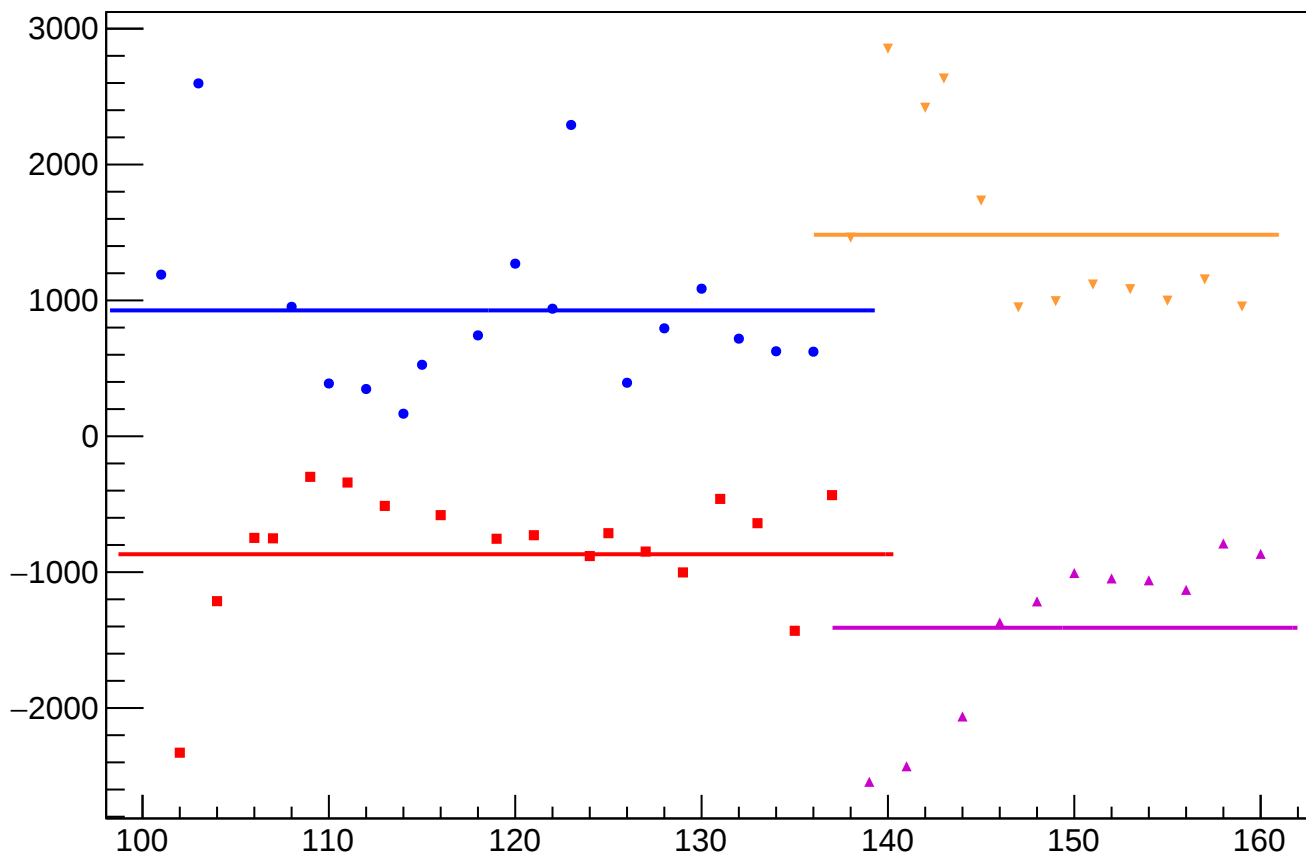
χ^2/NDF : 282811495062805394257124892434373518819328.0/17

Left In: -90642.606+/-0.000

χ^2/NDF : 90652199115187667262863496655433124282368.0/10

All: -618.058+/-0.000 χ^2/NDF : 19203474335

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



Right In: 926.486+/-0.000

χ^2/NDF : 243573676873909042150690872266806263808.0/16

Left Out: 1483.109+/-0.000

χ^2/NDF : 403083502170691493450426839772184969216.0/11

Right Out: -868.248+/-0.000

χ^2/NDF : 197961184826469333991871261895452262400.0/17

Left In: -1409.297+/-0.000

χ^2/NDF : 332711527563971352496330414058593320960.0/10

Left: 18.063+/-0.000 χ^2/NDF : 45876902974728877

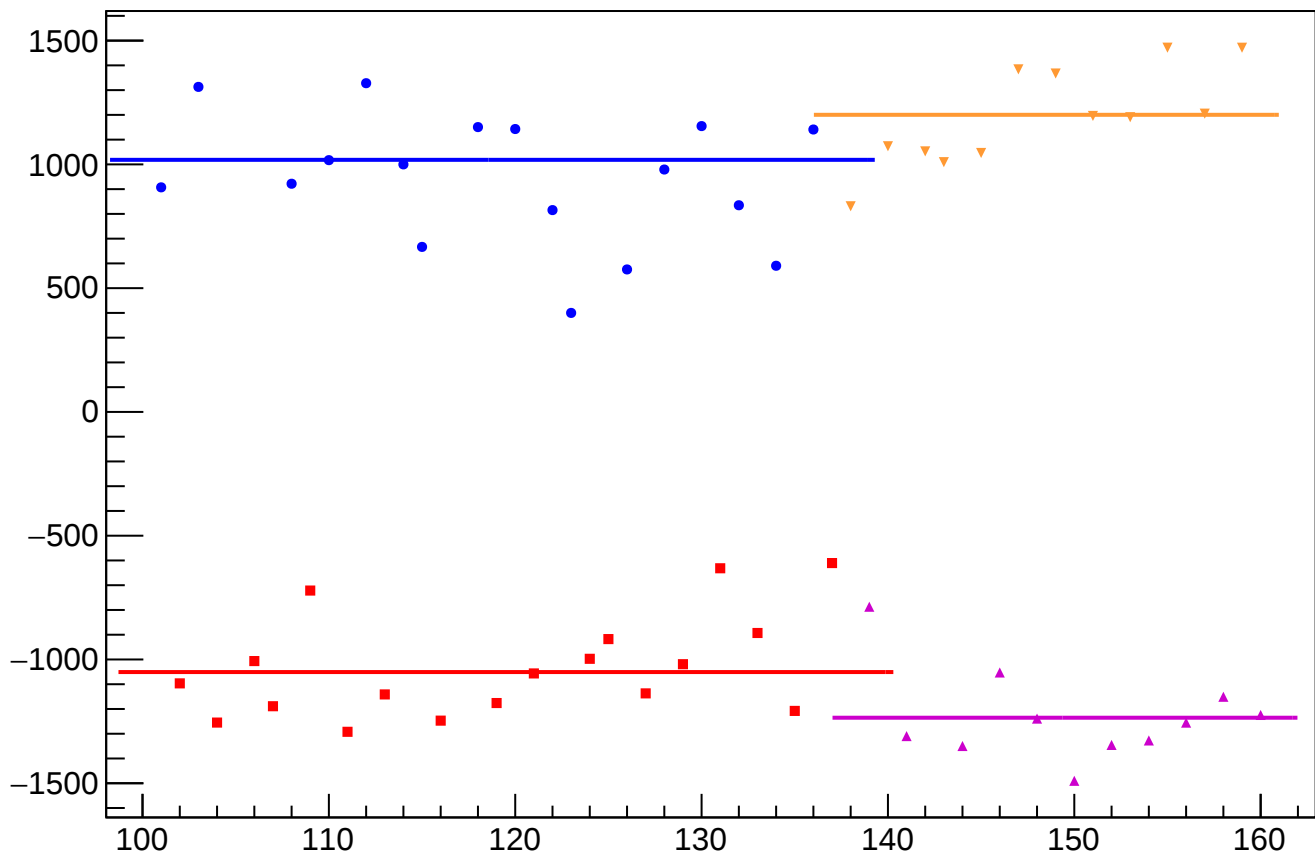
Right: 15.744+/-0.000 χ^2/NDF : 1575904926167243

In: -412.964+/-0.000 χ^2/NDF : 2747579361568362

Out: 447.875+/-0.000 χ^2/NDF : 2813737108155417

All: 17.058+/-0.000 χ^2/NDF : 6163599514436

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

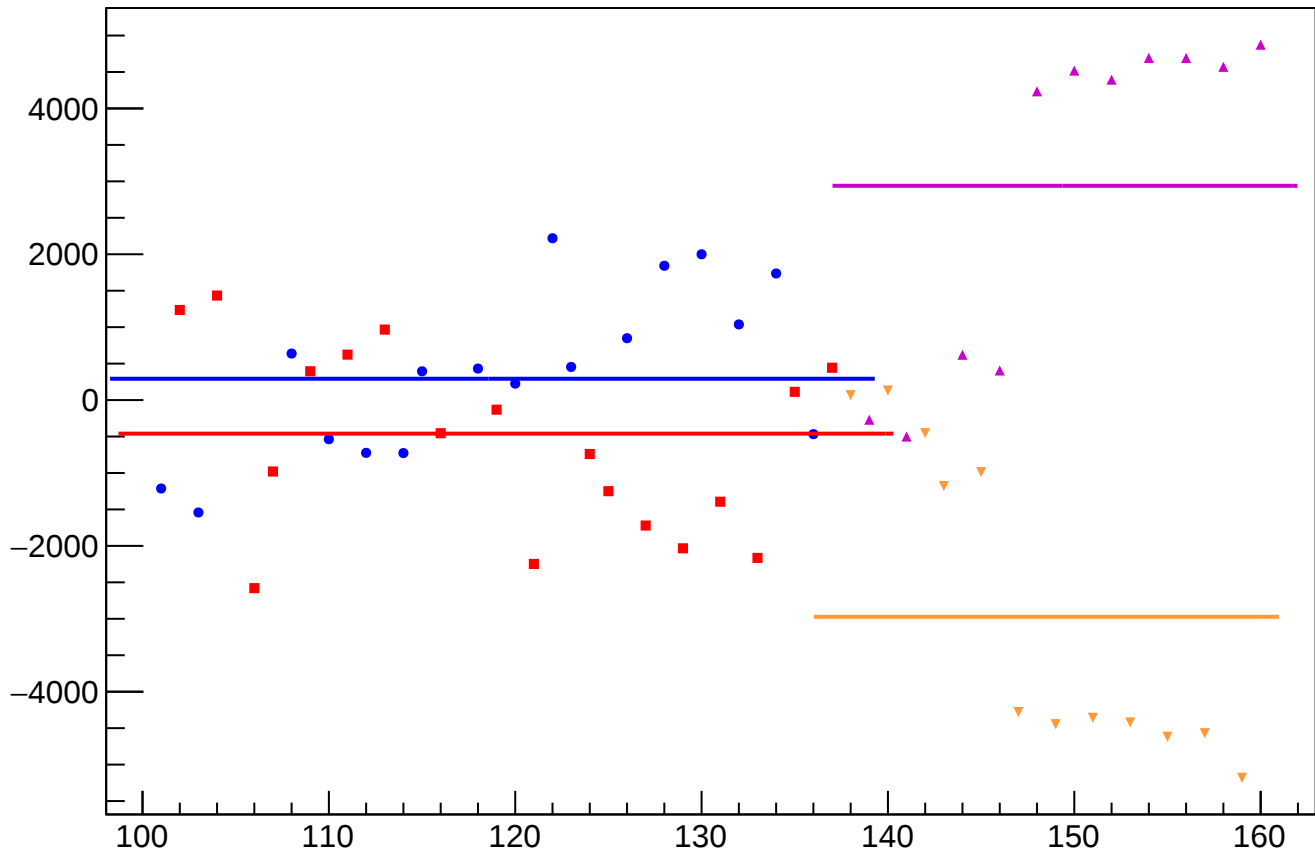
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

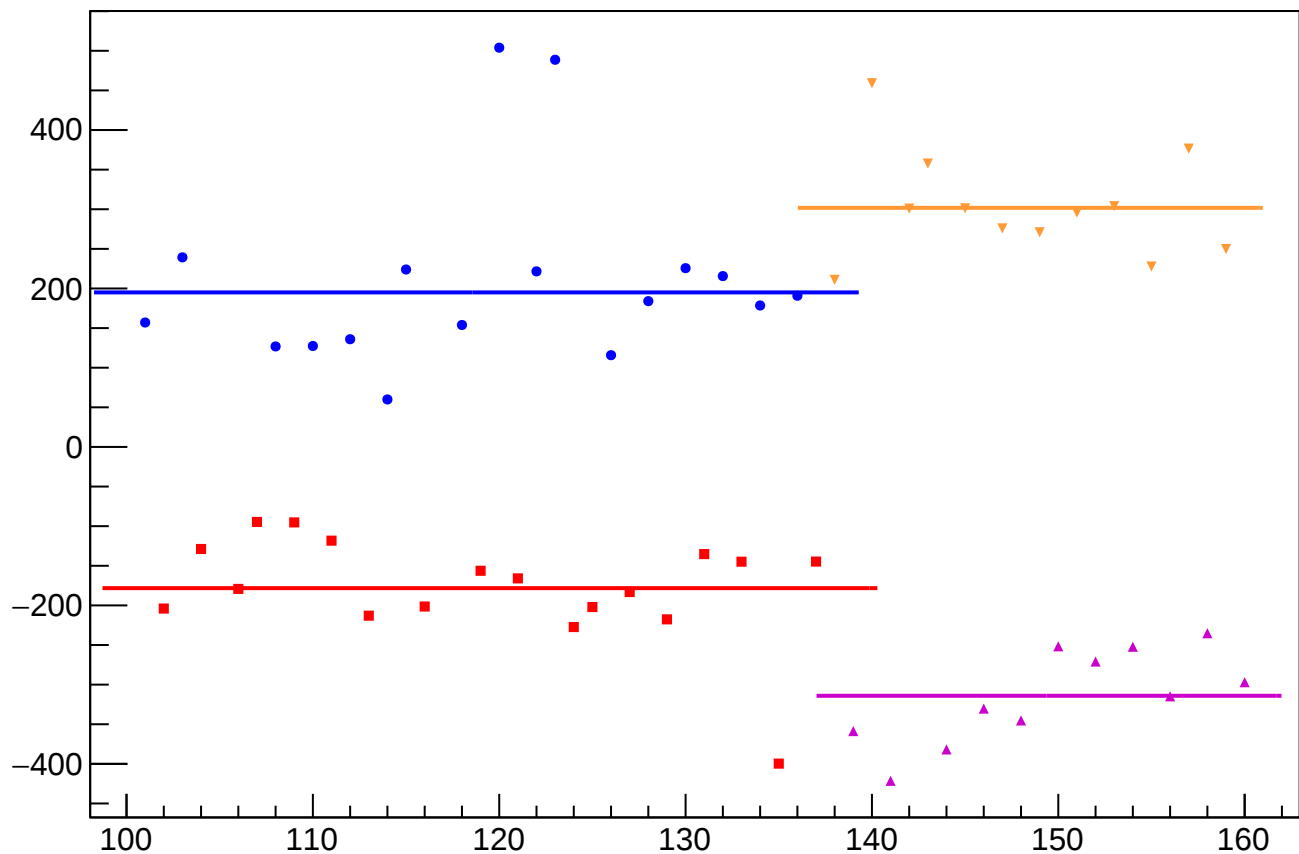
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam5_coil1_mean vs Slug, Sign Corrected



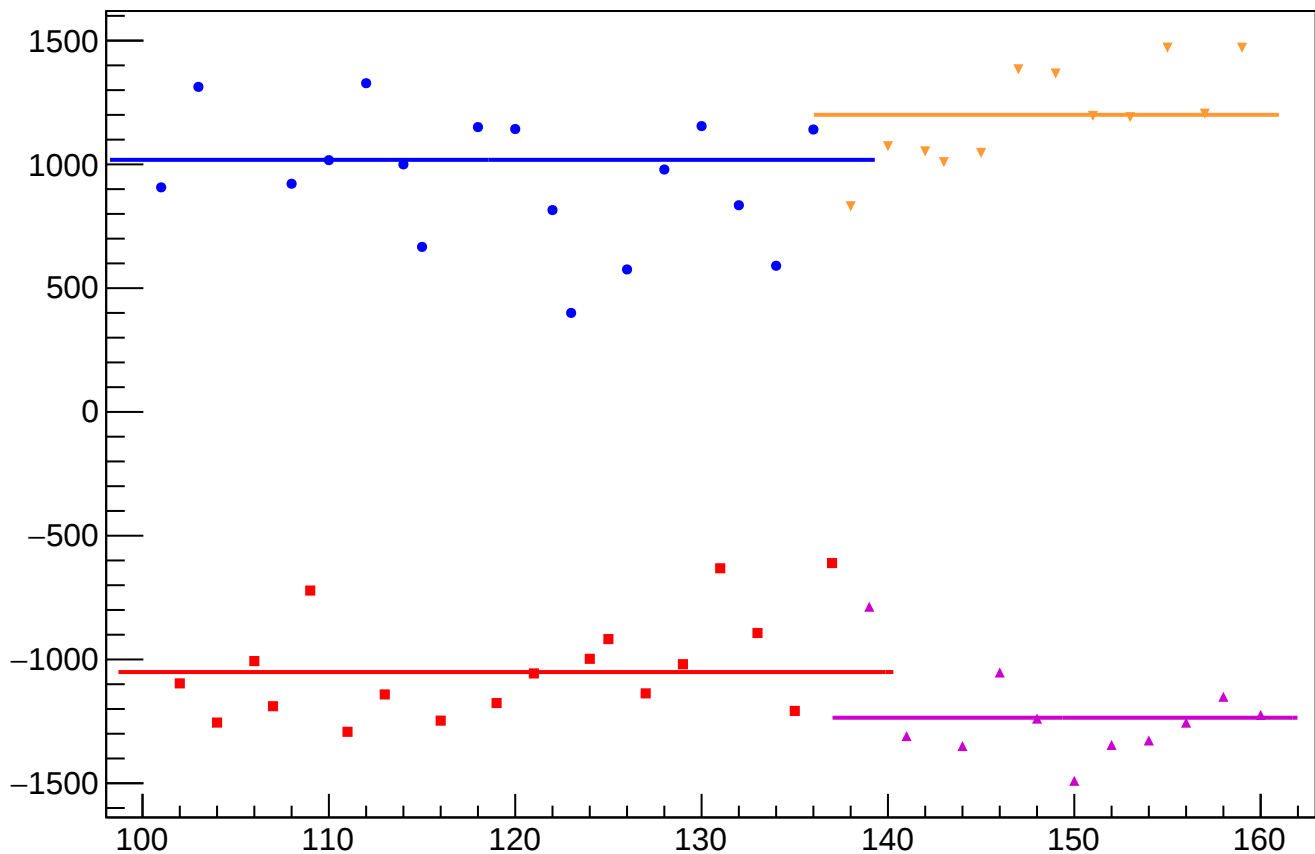
Right In: 292.624+/-0.000 χ^2/NDF : 992224758361668568621384832231814463488.0/16
 Left Out: -2972.256+/-0.000 χ^2/NDF : 3761676179645694438437077561605877661696.0/11
 Right Out: -460.444+/-0.000 χ^2/NDF : 1195390620297922800798852366593102446592.0/17
 Left In: 2938.958+/-0.000 χ^2/NDF : 4448330371719931217957339295057738465280.0/10
 All: -26.413+/-0.000 χ^2/NDF : 266955138197

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



Left: -10.147 +/- 0.000 χ^2/NDF : 1817638332065697
 Right: 5.632 +/- 0.000 χ^2/NDF : 57785326932435193
 In: -96.907 +/- 0.000 χ^2/NDF : 11127577106633559
 Out: 90.463 +/- 0.000 χ^2/NDF : 99938575964421107
 All: -3.309 +/- 0.000 χ^2/NDF : 2397479311917

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

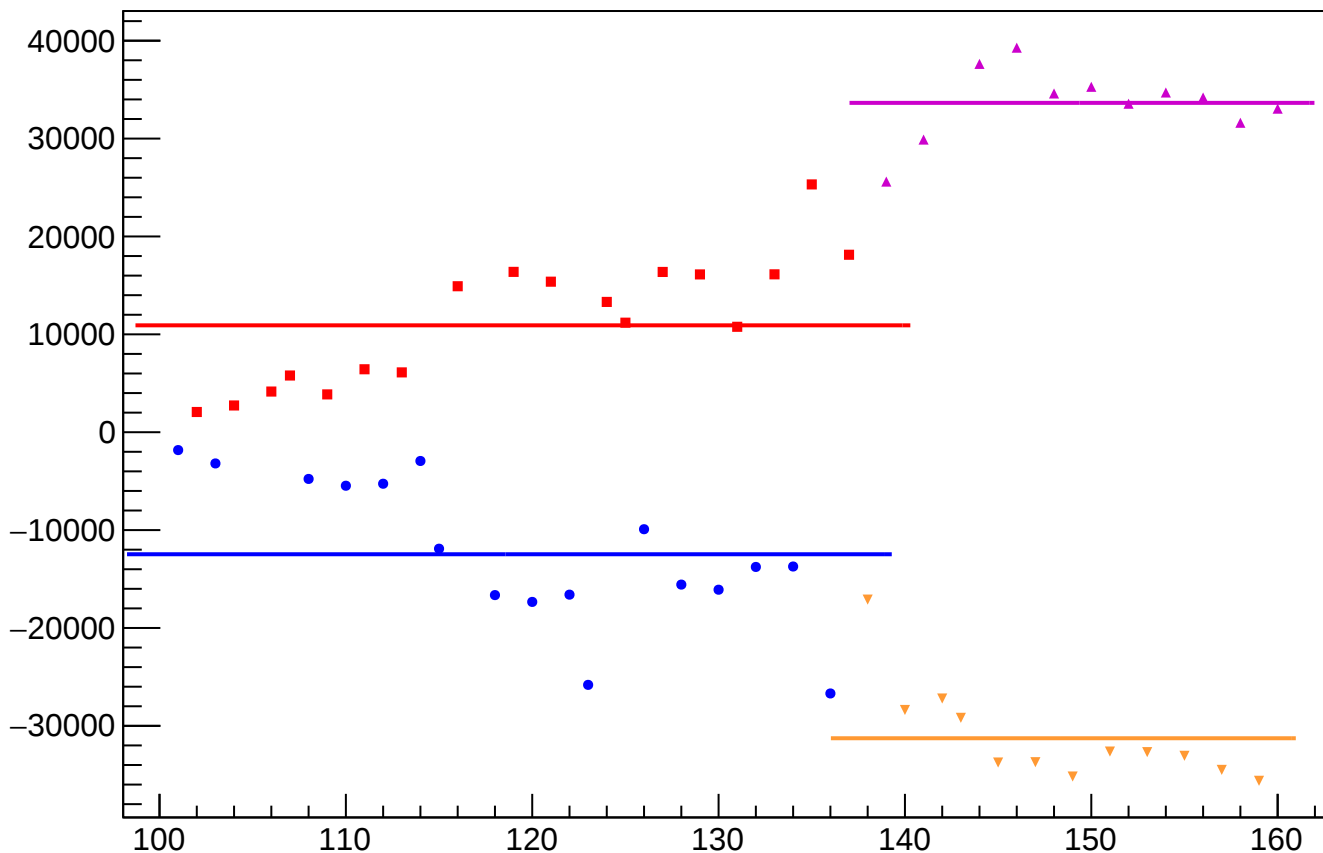
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam6_coil1_mean vs Slug, Sign Corrected



Right In: -12468.200+/-0.000

Left Out: -31267.411+/-0.000

Right Out: 10920.089+/-0.000

Left In: 33648.648+/-0.000

χ^2/NDF : 41947810781860597740124287766684235726848.0/16

χ^2/NDF : 22472352508992692811157309504314979385344.0/11

χ^2/NDF : 32165705228240657588124121675327793528832.0/17

χ^2/NDF : 11296625028325119552839806860927105499136.0/10

Left: 1613.524+/-0.000 χ^2/NDF : 197403017613361

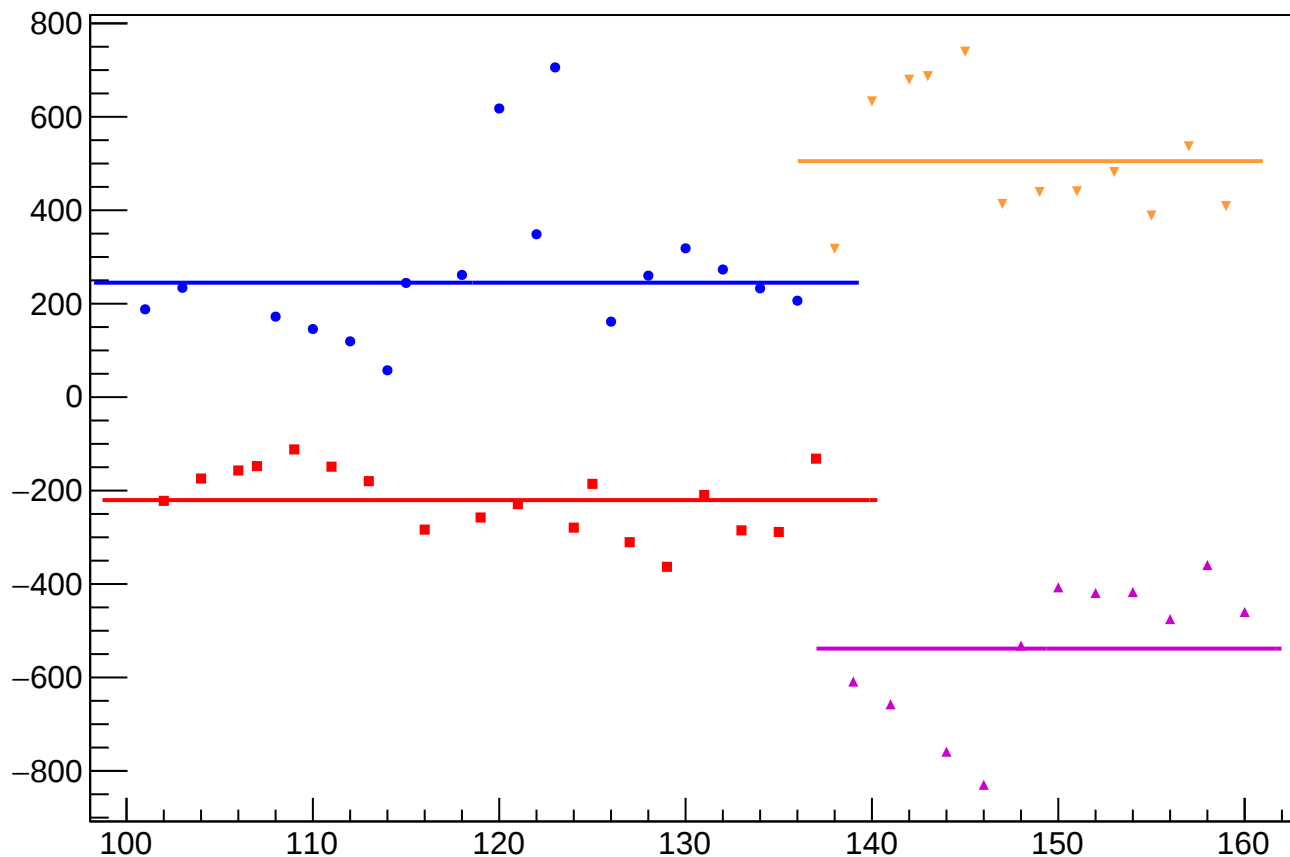
Right: -599.764+/-0.000 χ^2/NDF : 26675570352748

In: 13977.417+/-0.000 χ^2/NDF : 899638855582908

Out: -12693.481+/-0.000 χ^2/NDF : 7669192539655

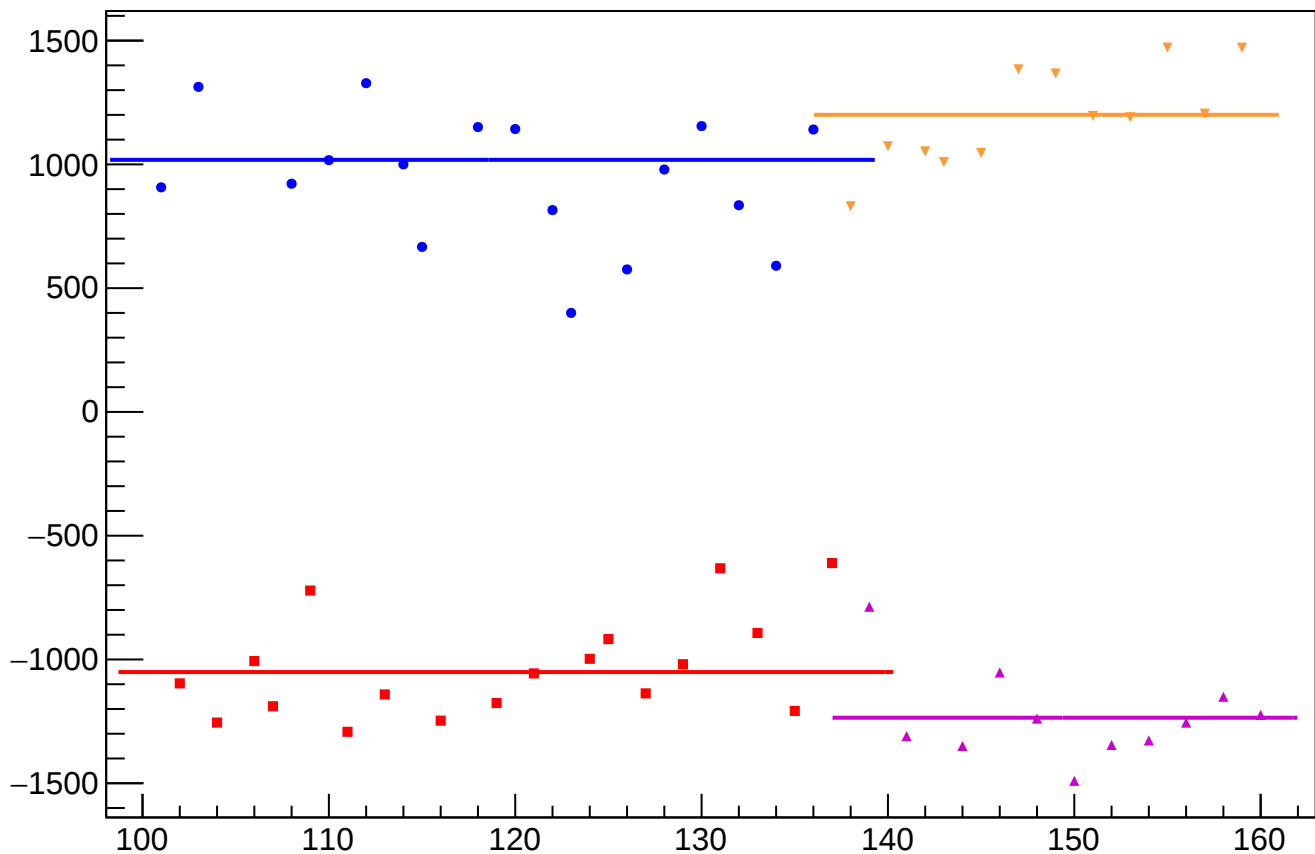
All: 654.274+/-0.000 χ^2/NDF : 224469662532

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



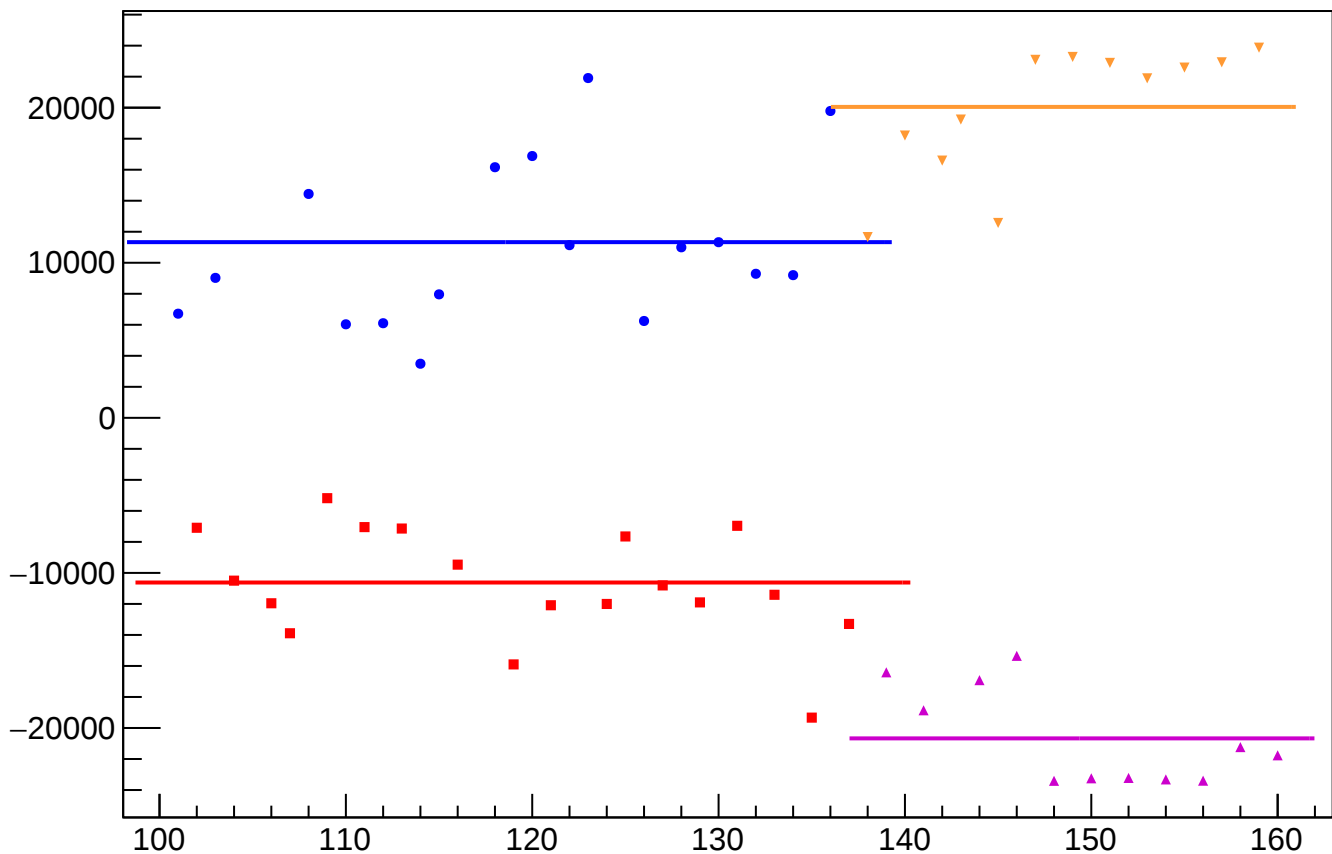
Right In: 244.994+/-0.000 χ^2/NDF : 8873183370170999334634045001787506688.0/16
 Left Out: 505.129+/-0.000 χ^2/NDF : 15272519684305825551143996818058117120.0/11
 Right Out: -220.353+/-0.000 χ^2/NDF : 3356691284213126680510243475038404608.0/17
 Left In: -538.207+/-0.000 χ^2/NDF : 20524569412911645618745037593493110784.0/10
 All: -9.385+/-0.000 χ^2/NDF : 6263080499592

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11329.210+/-0.000

χ^2/NDF : 15521857033868622025770129635391850938368.0/16

Left Out: 20050.081+/-0.000

χ^2/NDF : 15531978446555800166104970917231932211200.0/11

Right Out: -10619.182+/-0.000

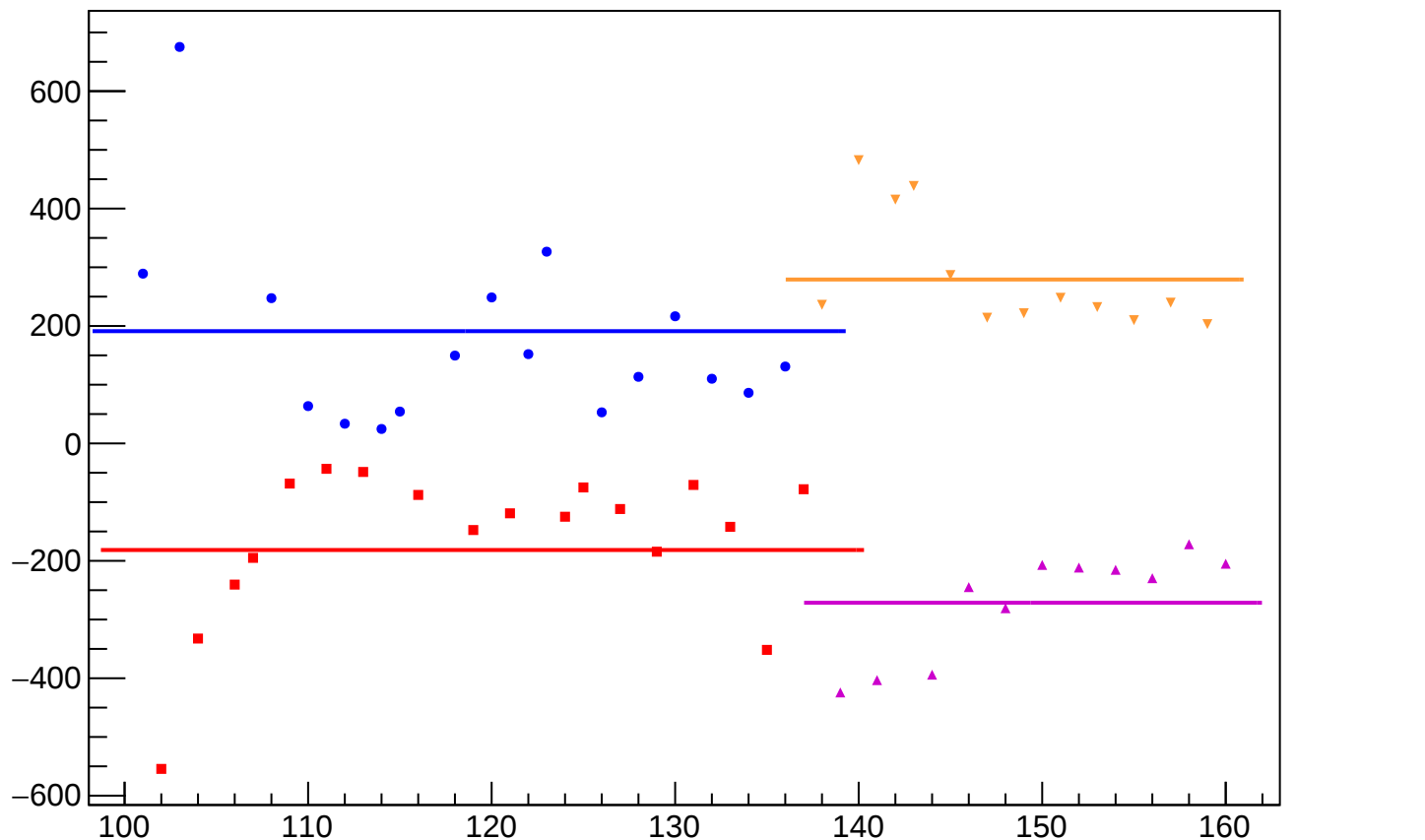
χ^2/NDF : 10071633014201515414626302207213810221056.0/17

Left In: -20670.726+/-0.000

χ^2/NDF : 8494858406573564863789120894069960081408.0/10

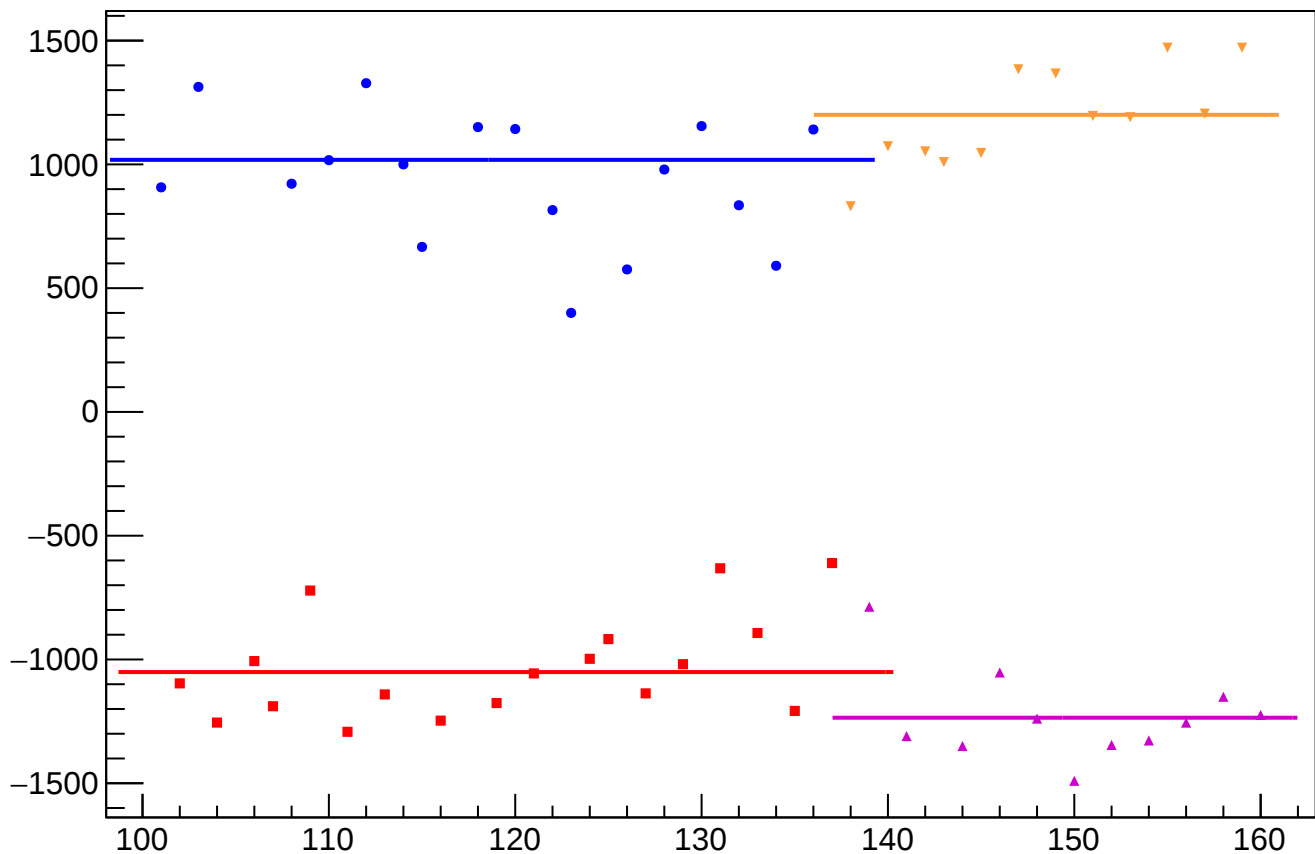
Left: -575.604+/-0.000 χ^2/NDF : 787490977590179
 Right: 191.453+/-0.000 χ^2/NDF : 195245861840049
 In: -7021.091+/-0.000 χ^2/NDF : 431539395556195
 Out: 6547.296+/-0.000 χ^2/NDF : 402039102823290
 All: -243.158+/-0.000 χ^2/NDF : 98320655990

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



Right In: 191.191 +/- 0.000 χ^2/NDF : 19183697593820495387775377202474909696.0/16
 Left Out: 279.165 +/- 0.000 χ^2/NDF : 7920210699485411791931517458268028928.0/11
 Right Out: -181.551 +/- 0.000 χ^2/NDF : 14852803264995019247576775913608577024.0/17
 Left In: -271.426 +/- 0.000 χ^2/NDF : 7049081855860572674907173749109293056.0/10
 All: 1.045 +/- 0.000 χ^2/NDF : 23751463159160

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

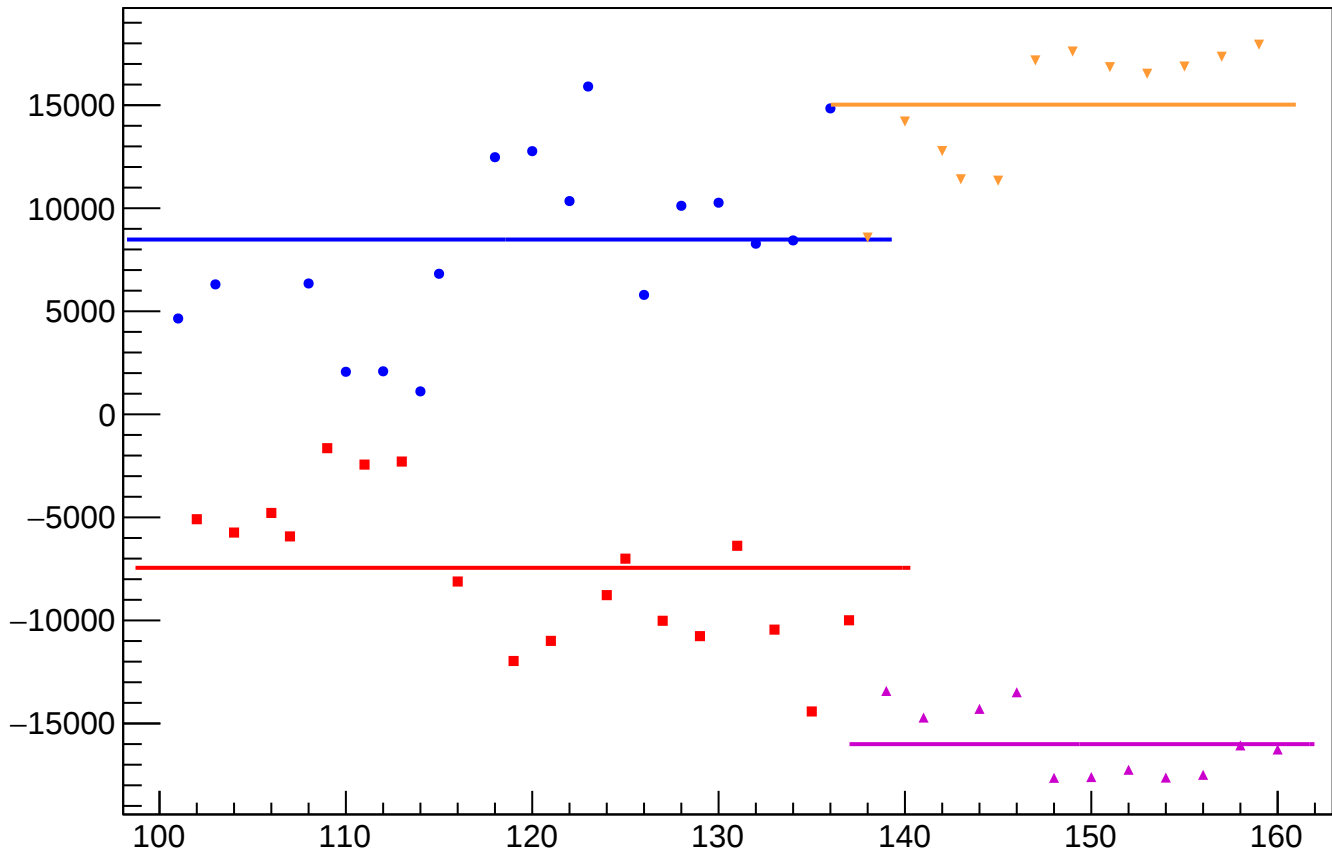
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

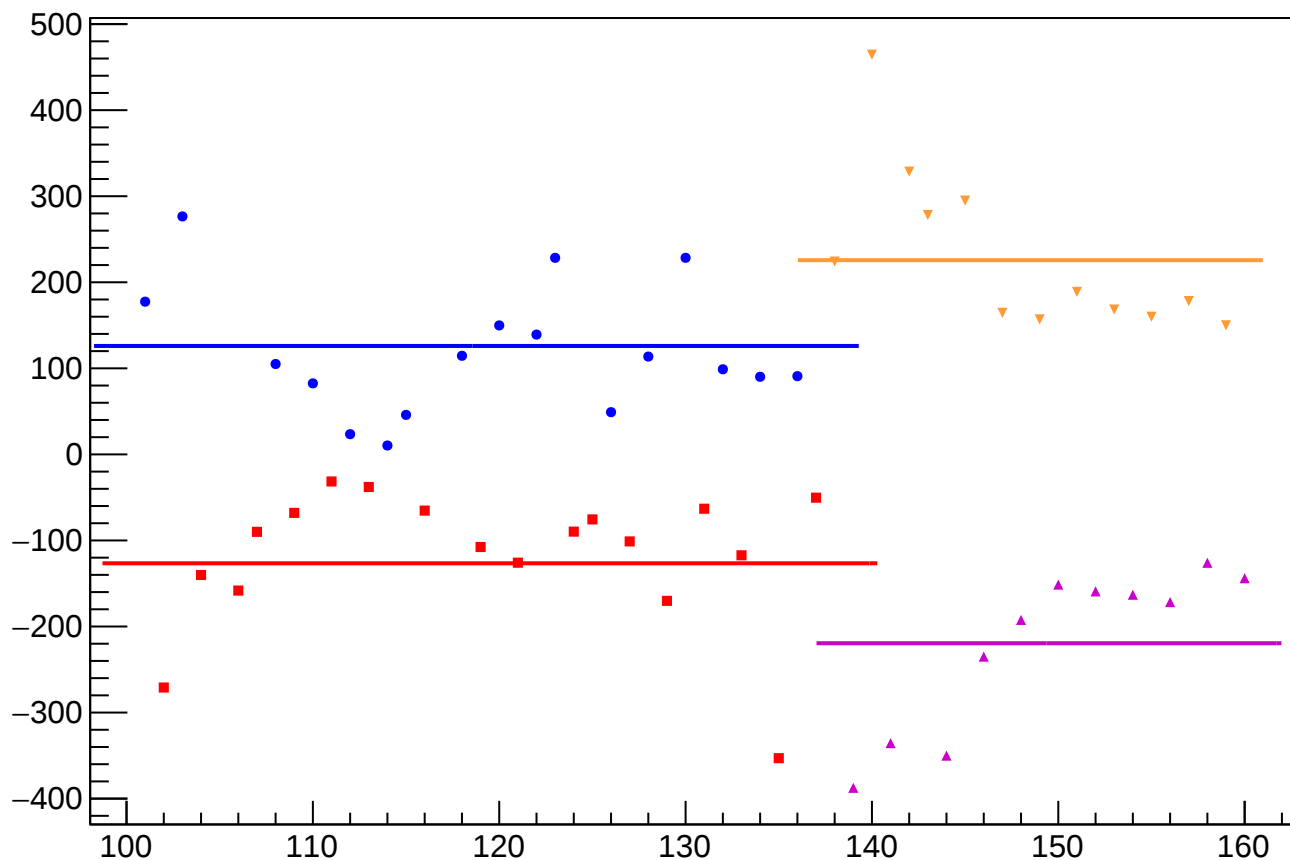
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam8_coil1_mean vs Slug, Sign Corrected



Left: -690.569 +/- 0.000 χ^2/NDF : 453938859175611
 Right In: 8480.889 +/- 0.000 χ^2/NDF : 11499484754166446401410720405854359650304.0/16
 Right: 398.138 +/- 0.000 χ^2/NDF : 110892866685720
 Left Out: 15025.757 +/- 0.000 χ^2/NDF : 8187740092033082050104349904869741559808.0/11
 In: -5559.130 +/- 0.000 χ^2/NDF : 252536611312821
 Right Out: -7447.217 +/- 0.000 χ^2/NDF : 10045808642952263494281474112188504342528.0/17
 Out: 5131.560 +/- 0.000 χ^2/NDF : 220351551801911
 Left In: -16002.617 +/- 0.000 χ^2/NDF : 2475406713829870725608341548092805349376.0/10
 All: -218.717 +/- 0.000 χ^2/NDF : 56577797578

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 126.005 $\pm$ 0.000

χ^2/NDF : 3386025781144831306970150054630785024.0/16

Left Out: 225.692 $\pm$ 0.000

χ^2/NDF : 7765824995412425286122153901765427200.0/11

Right Out: -126.521 $\pm$ 0.000

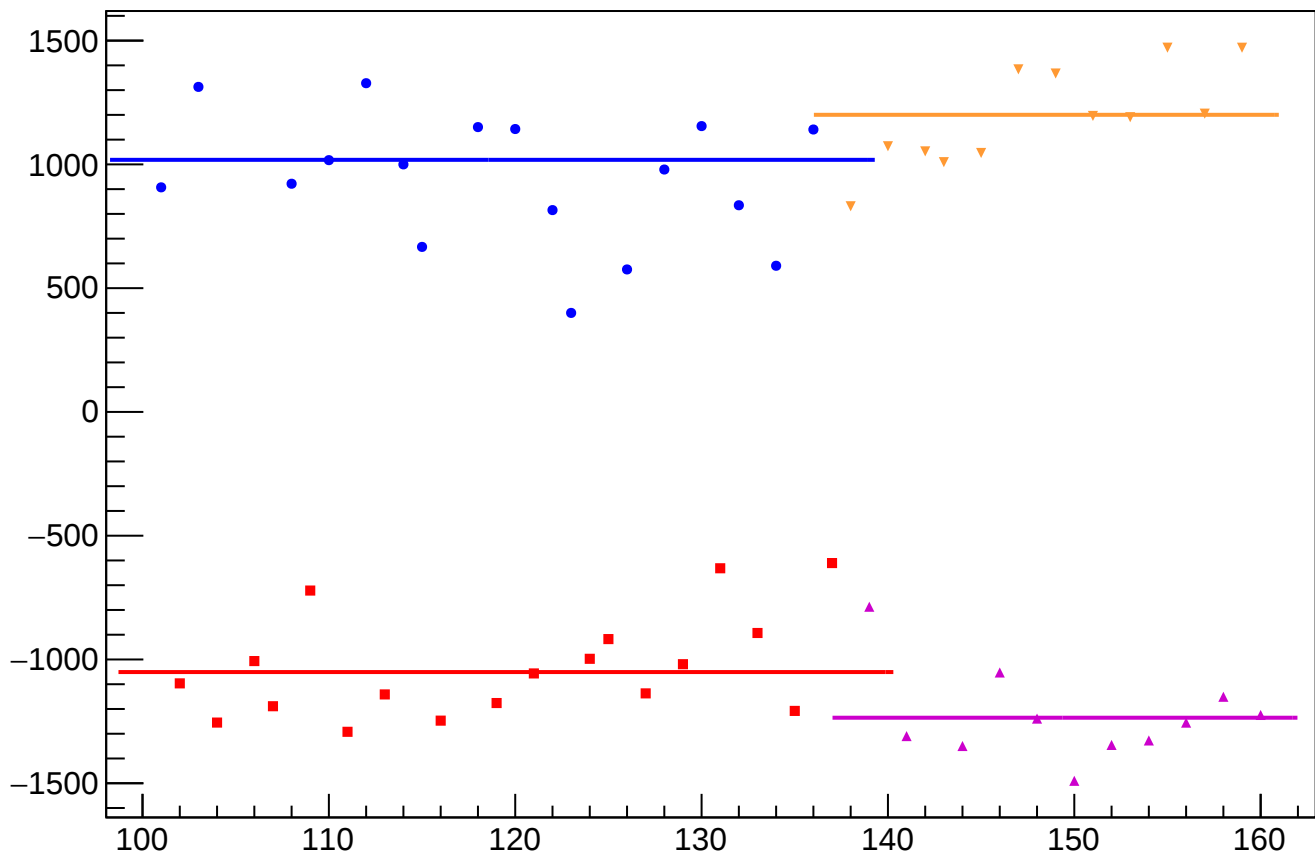
χ^2/NDF : 5291778643595712336156745298356469760.0/17

Left In: -219.416 $\pm$ 0.000

χ^2/NDF : 7417643300202175953458768997657870336.0/10

All: -0.792 $\pm$ 0.000 χ^2/NDF : 1375428140001

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

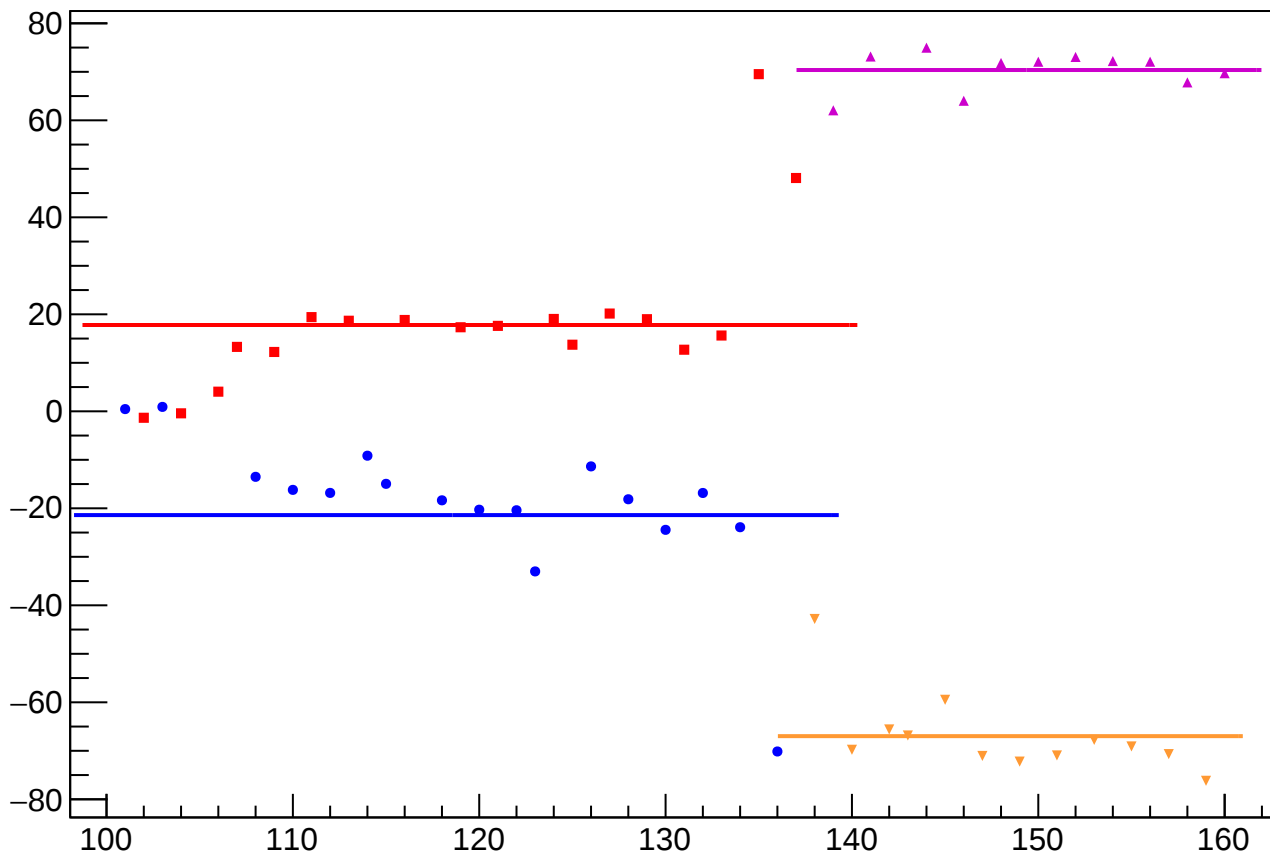
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -21.398+/-0.000

Left Out: -66.978+/-0.000

Right Out: 17.797+/-0.000

Left In: 70.373+/-0.000

χ^2/NDF : 280536163120367747156314867523125248.0/16

χ^2/NDF : 63685898995814955491327915677712384.0/11

χ^2/NDF : 194445073804421906744756784211165184.0/17

χ^2/NDF : 13651024036120663482420235694243840.0/10

Left: 2.593+/-0.000 χ^2/NDF : 876339460112886704

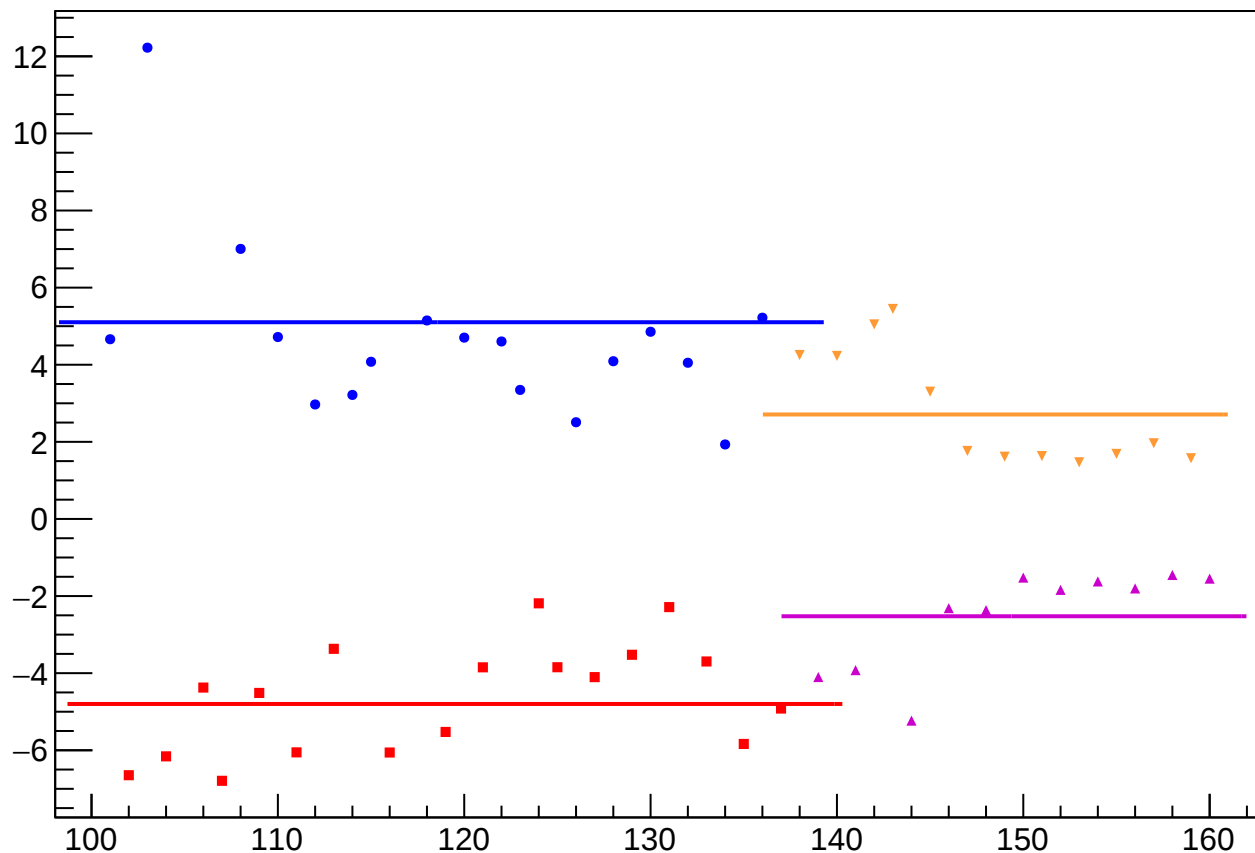
Right: -1.508+/-0.000 χ^2/NDF : 1016004524366776

In: 31.228+/-0.000 χ^2/NDF : 364590997296743211

Out: -29.654+/-0.000 χ^2/NDF : 3134342076596481

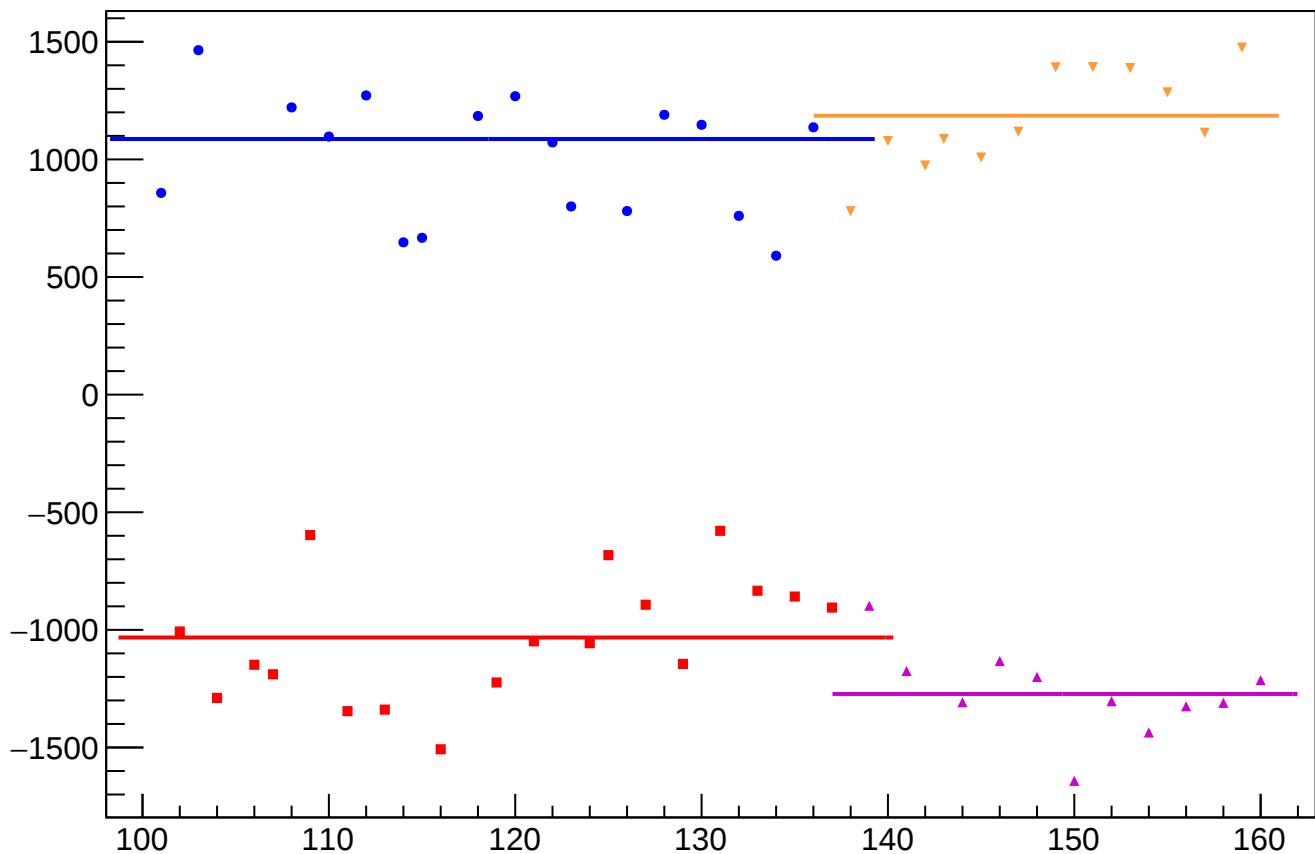
All: 0.815+/-0.000 χ^2/NDF : 97928246020073

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



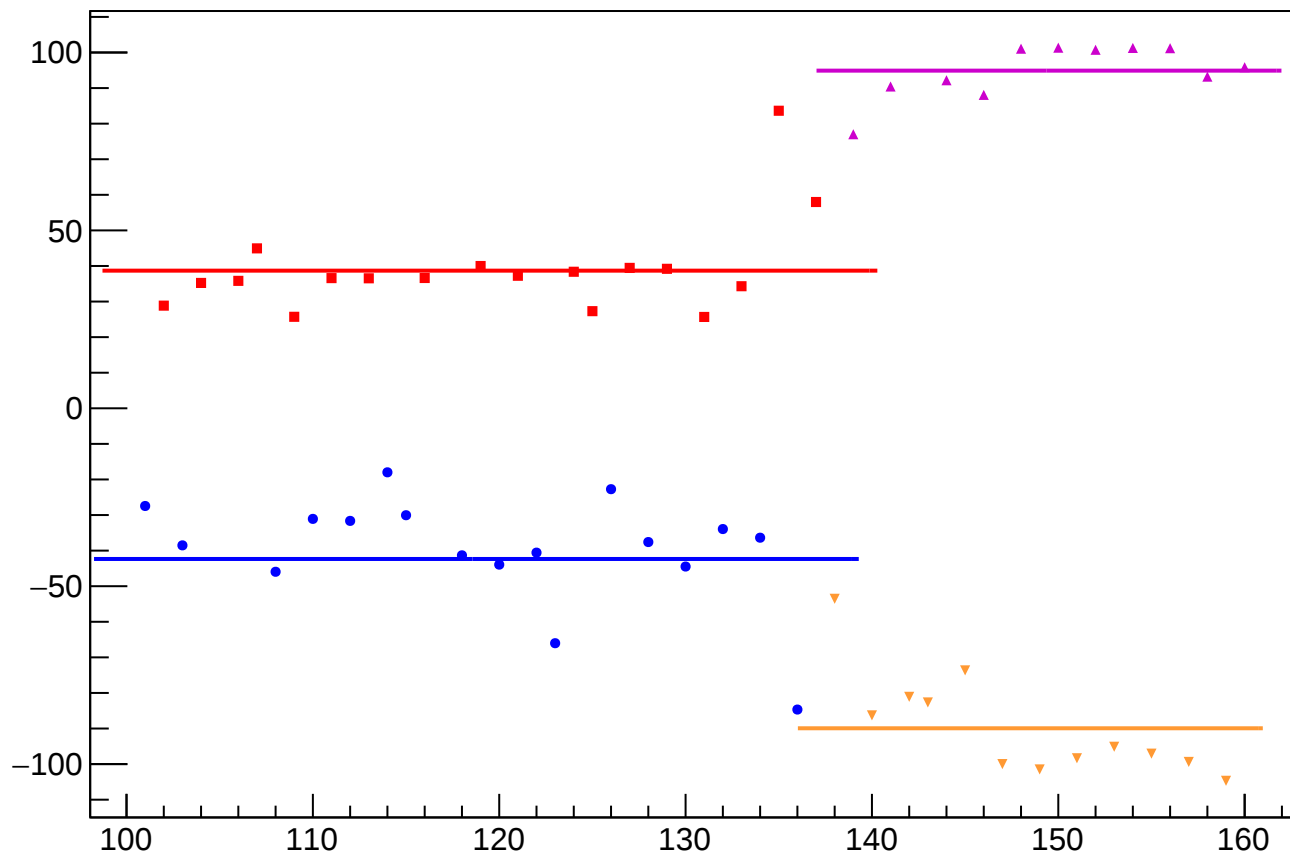
Right In: 5.103 $\pm$ 0.000 χ^2 /NDF: 4048406978190508053530993177395200.0/16
 Left Out: 2.710 $\pm$ 0.000 χ^2 /NDF: 1774159043511346014201510128254976.0/11
 Right Out: -4.799 $\pm$ 0.000 χ^2 /NDF: 1271869445641912698697536291995648.0/17
 Left In: -2.524 $\pm$ 0.000 χ^2 /NDF: 1443854563513341294387646202642432.0/10
 All: 0.067 $\pm$ 0.000 χ^2 /NDF: 55678277230235

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -42.348+/-0.000

Left Out: -89.931+/-0.000

Right Out: 38.687+/-0.000

Left In: 94.901+/-0.000

χ^2/NDF : 214487265312366042421757259213176832.0/16

χ^2/NDF : 187167251032127788176867775297355776.0/11

χ^2/NDF : 132884782523479402209438367825788928.0/17

χ^2/NDF : 49160458871676913814520414202757120.0/10

Left: 3.689+/-0.000 χ^2/NDF : 159656581225915096

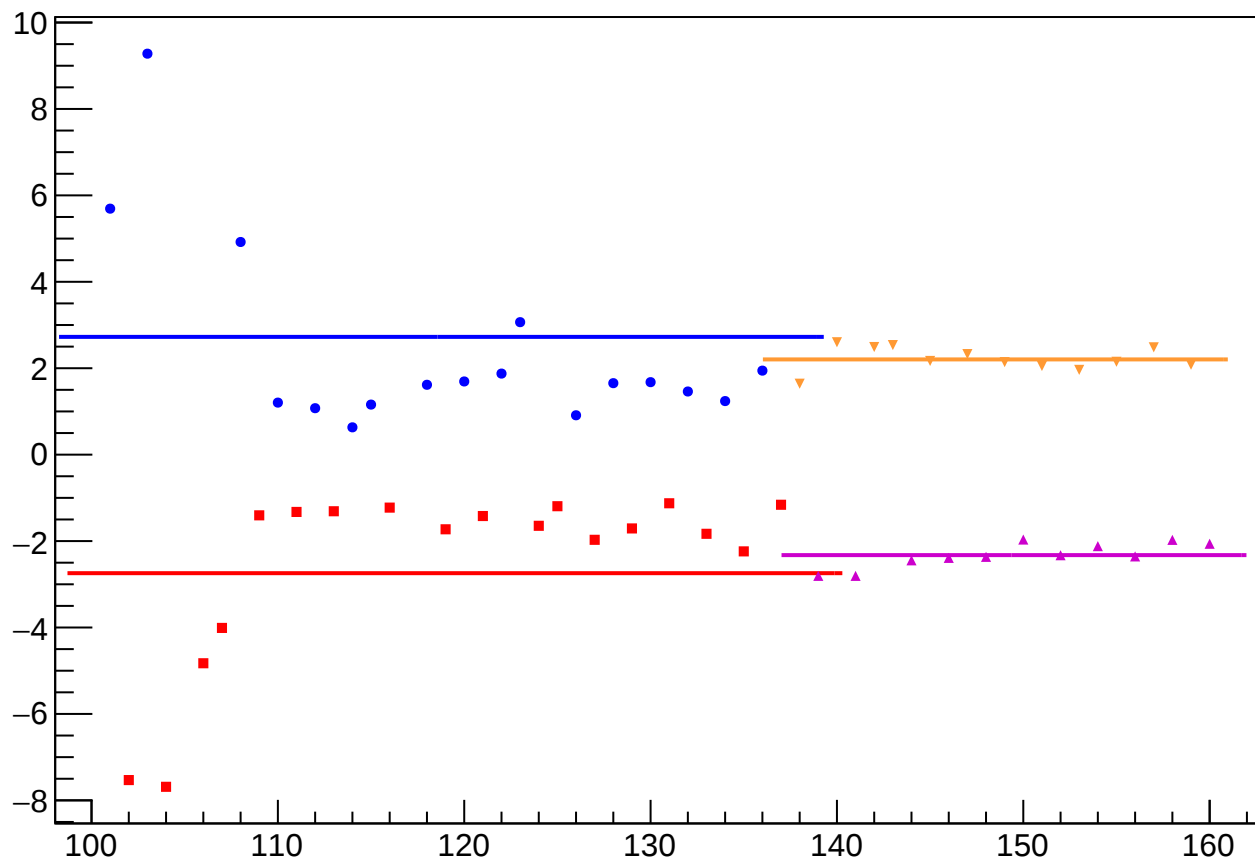
Right: -1.226+/-0.000 χ^2/NDF : 2659977091062519

In: 36.357+/-0.000 χ^2/NDF : 776037945443292169

Out: -33.304+/-0.000 χ^2/NDF : 6940516204701080

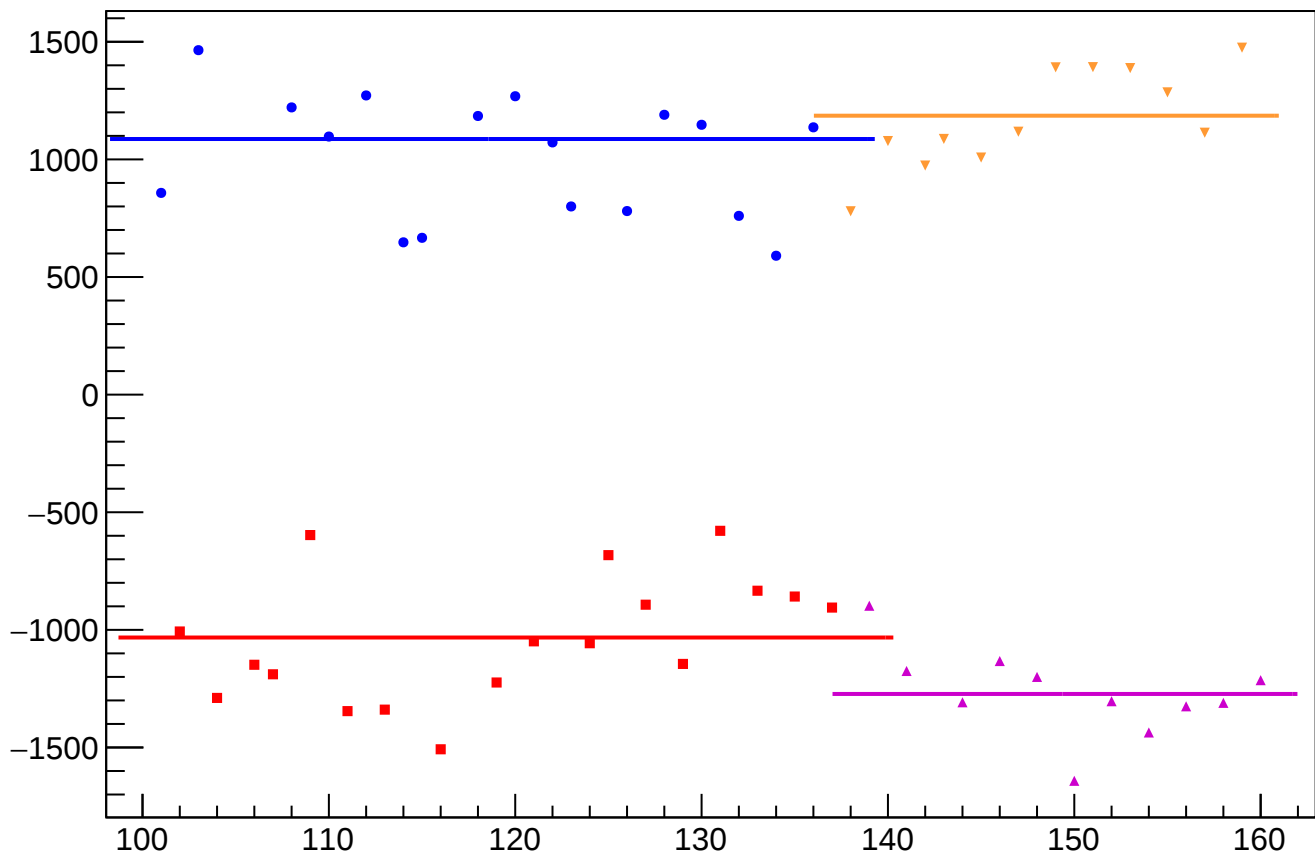
All: 1.559+/-0.000 χ^2/NDF : 18644925895826

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



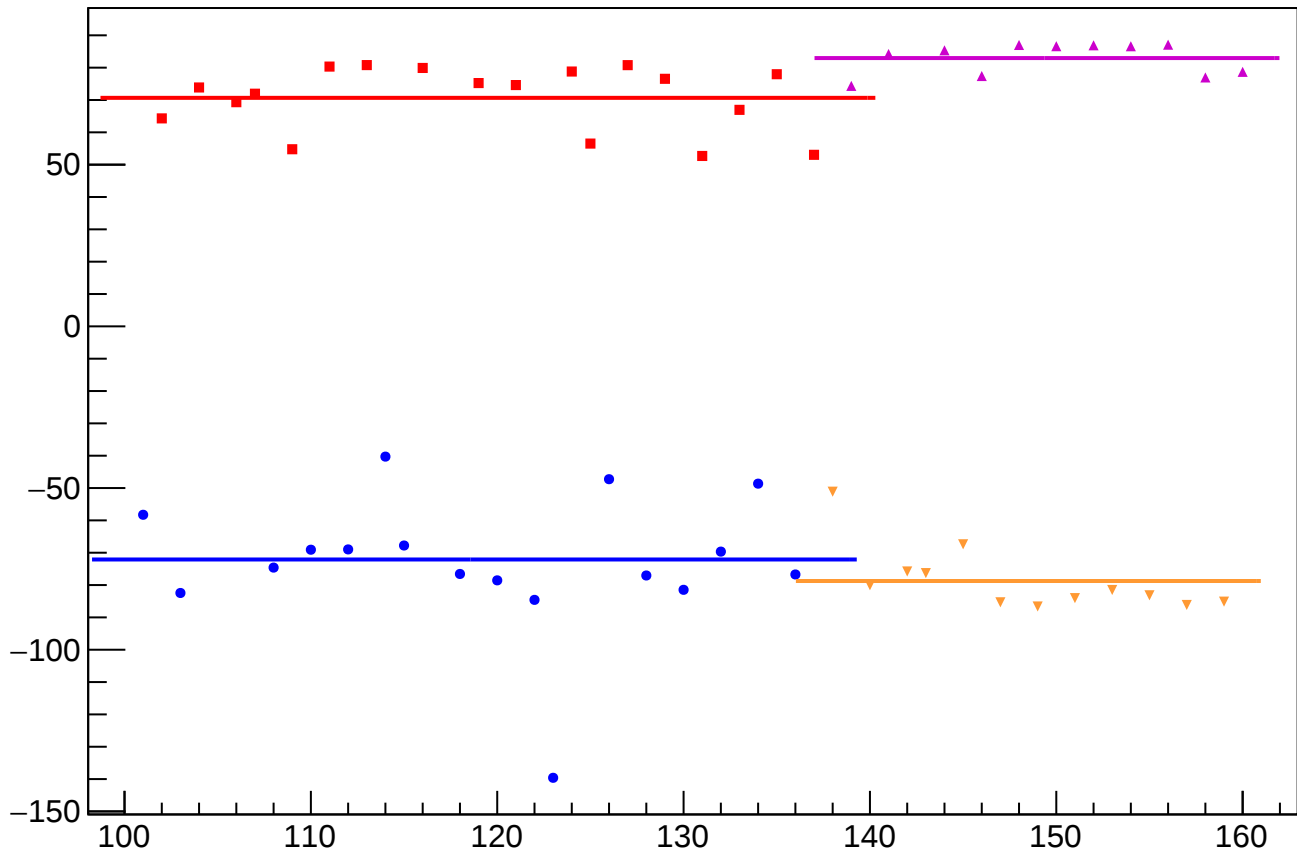
Right In: 2.726 $\pm$ 0.000 χ^2 /NDF: 4086214221048218627232910568062976.0/16
 Left Out: 2.204 $\pm$ 0.000 χ^2 /NDF: 64341762429168624767253736325120.0/11
 Right Out: -2.743 $\pm$ 0.000 χ^2 /NDF: 3588318821230369709737363581698048.0/17
 Left In: -2.325 $\pm$ 0.000 χ^2 /NDF: 71570259822113159465865385607168.0/10
 All: -0.072 $\pm$ 0.000 χ^2 /NDF: 2778523853871

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.094+/-0.000

χ^2/NDF : 103075229118962583323813478911705088.0/16

Left Out: -78.747+/-0.000

χ^2/NDF : 90789525072060271629933547446337536.0/11

Right Out: 70.666+/-0.000

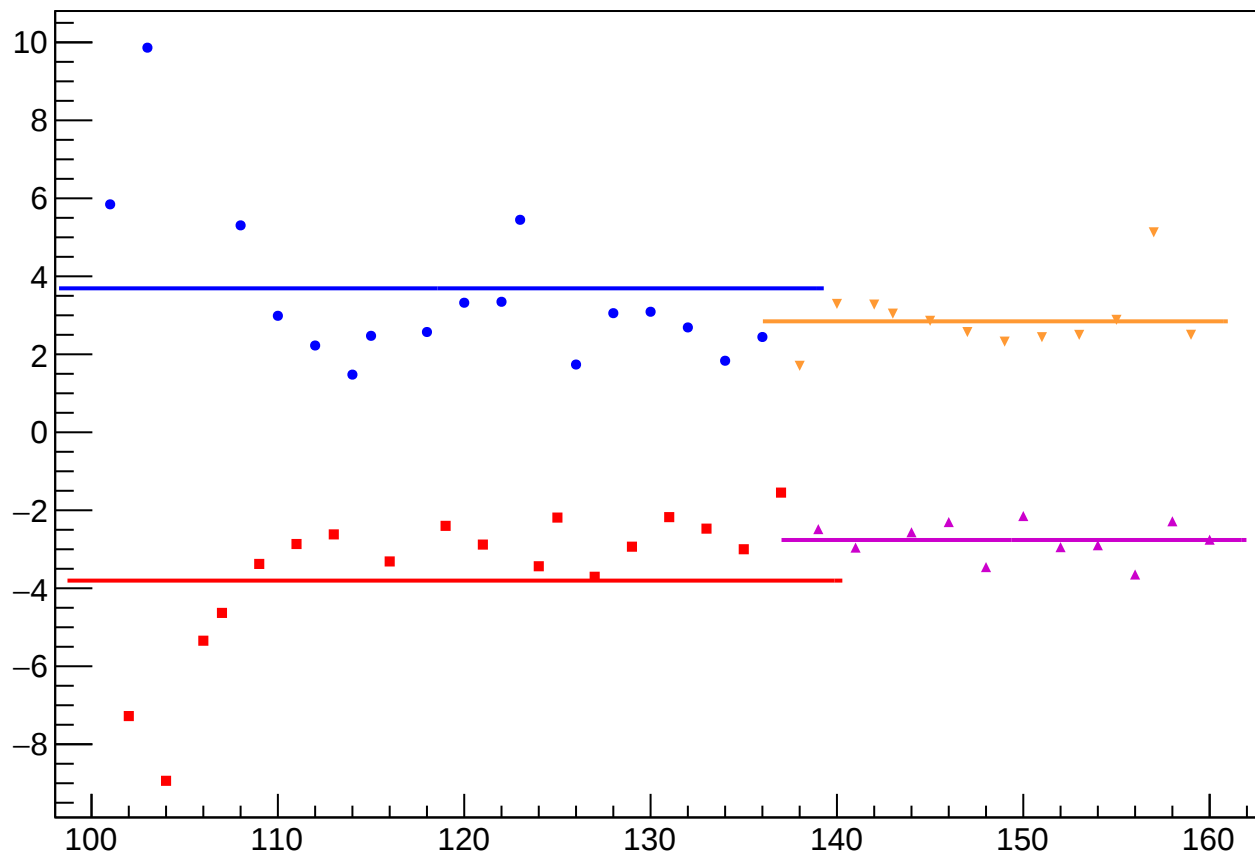
χ^2/NDF : 63521582322355548765057214851317760.0/17

Left In: 82.966+/-0.000

χ^2/NDF : 20132204805005576765090308057726976.0/10

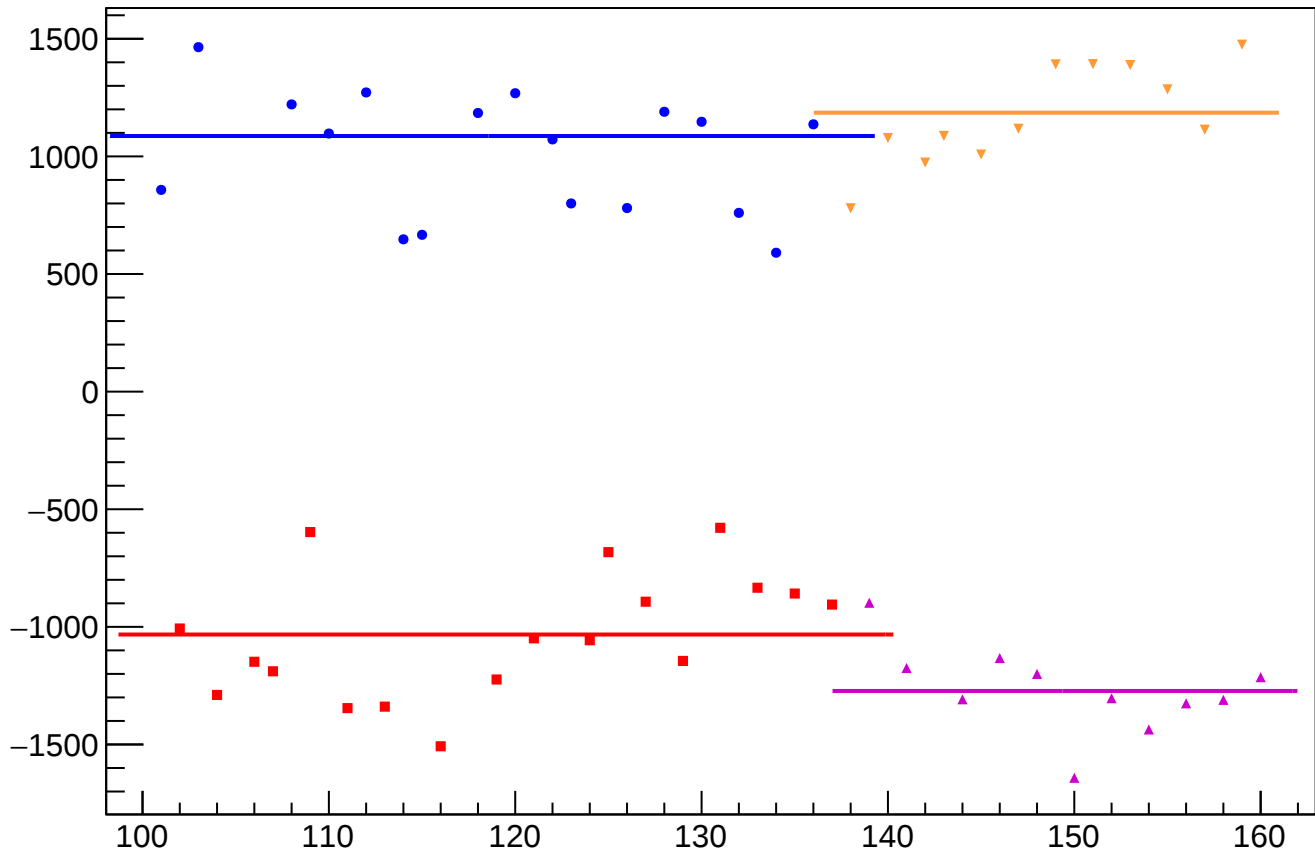
Left: 3.163+/-0.000 χ^2/NDF : 121514630623973577
 Right: 0.350+/-0.000 χ^2/NDF : 73439703870243937
 In: 16.825+/-0.000 χ^2/NDF : 969185214083124883
 Out: -12.965+/-0.000 χ^2/NDF : 9088636666541269
 All: 1.944+/-0.000 χ^2/NDF : 19501749782083

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



Right In: 3.692 ± 0.000 χ^2/NDF : 3355971788555014480502828790972416.0/16
 Left Out: 2.846 ± 0.000 χ^2/NDF : 575629369641168831235561749479424.0/11
 Right Out: -3.803 ± 0.000 χ^2/NDF : 2825063553426013260614294392799232.0/17
 Left In: -2.762 ± 0.000 χ^2/NDF : 191371961737300564635223748247552.0/10
 All: -0.045 ± 0.000 χ^2/NDF : 4121907828057

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

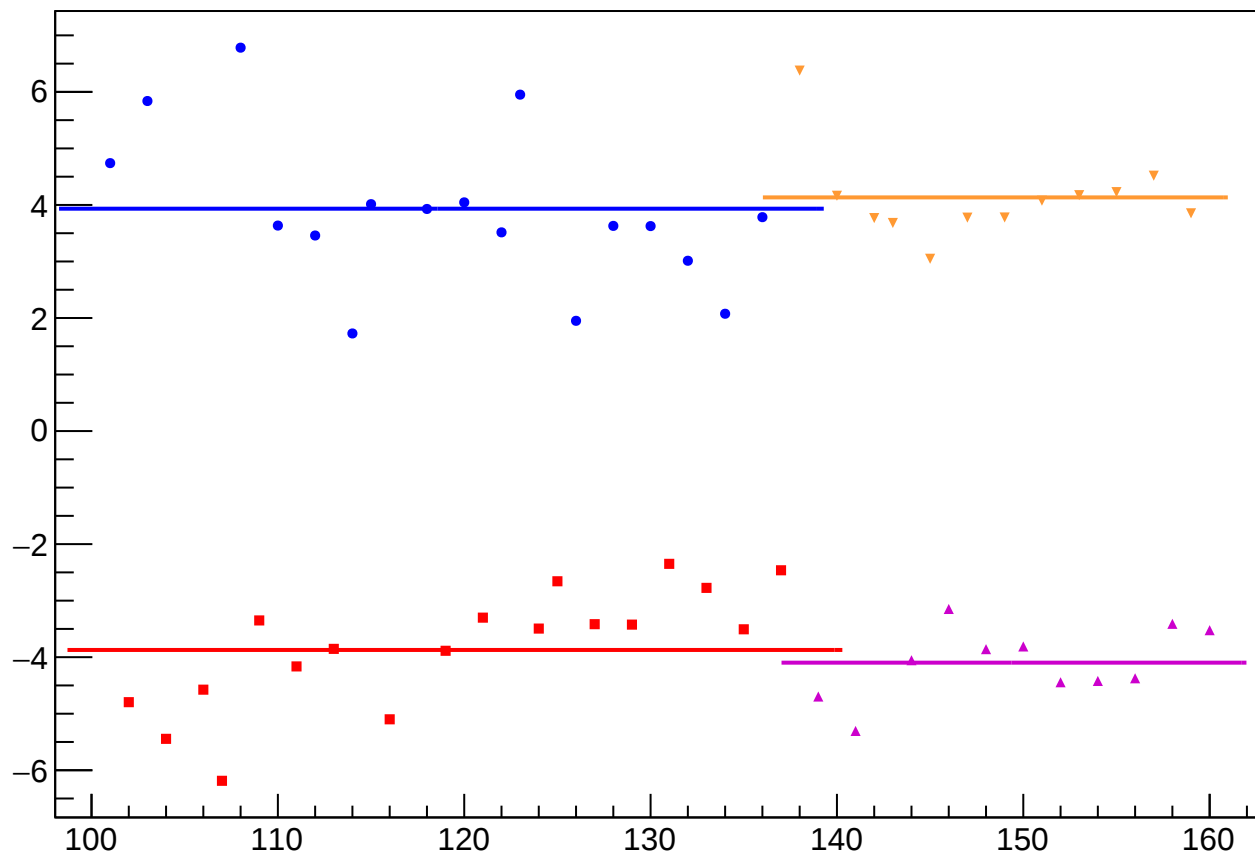
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

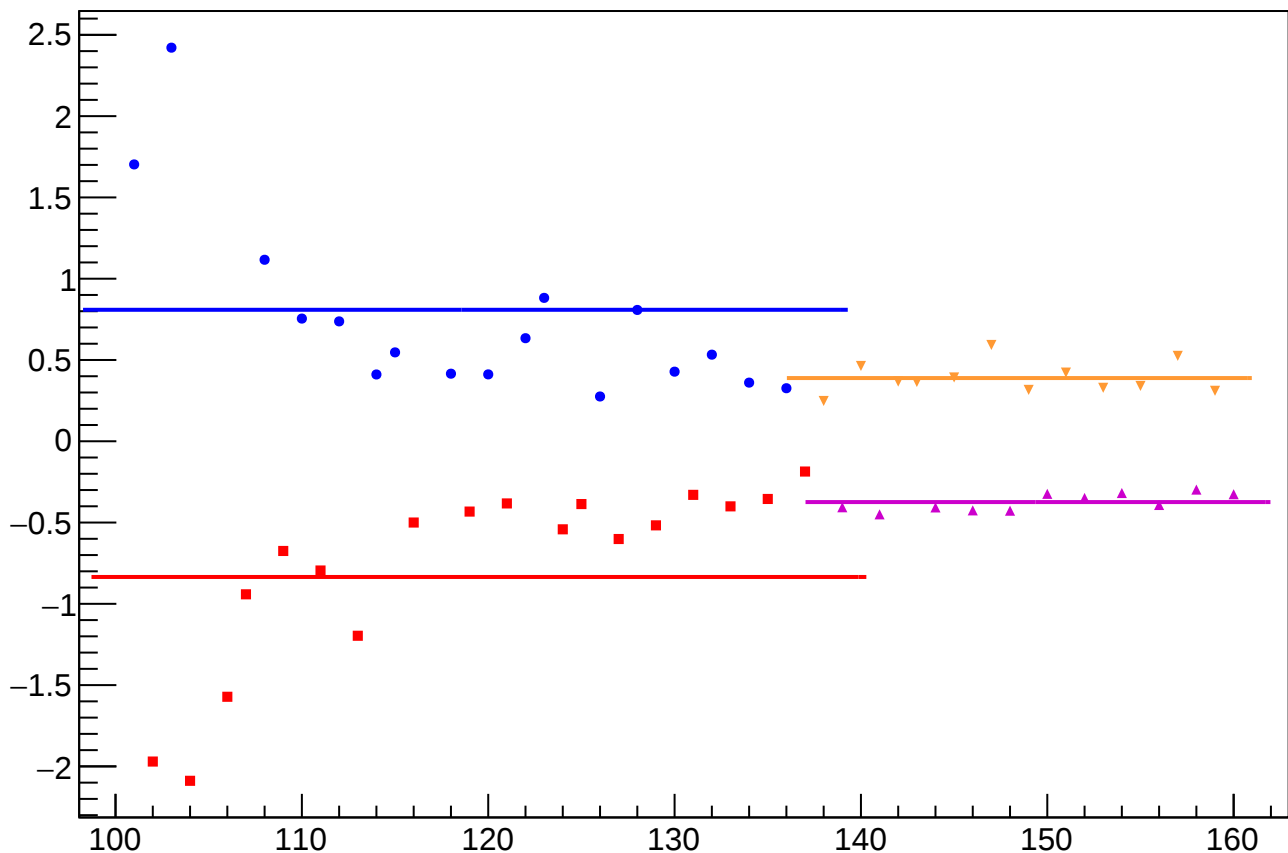
All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 3.934+/-0.000	χ^2/NDF : 937288717449166058748009299050496.0/16	Left: -0.035+/-0.000	χ^2/NDF : 32065526123575243
Left Out: 4.134+/-0.000	χ^2/NDF : 543238329499438777000735270764544.0/11	Right: -0.027+/-0.000	χ^2/NDF : 2310400987999599
Right Out: -3.872+/-0.000	χ^2/NDF : 707048075514761321683781922324480.0/17	In: -0.671+/-0.000	χ^2/NDF : 269359923927468310
Left In: -4.097+/-0.000	χ^2/NDF : 331914558071256071482746481934336.0/10	Out: 0.609+/-0.000	χ^2/NDF : 269013831878987917
		All: -0.032+/-0.000	χ^2/NDF : 5516958572144

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.809+/-0.000

χ^2/NDF : 269169890346681229126320544284672.0/16

Left Out: 0.389+/-0.000

χ^2/NDF : 8197684990804317089776046964736.0/11

Right Out: -0.835+/-0.000

χ^2/NDF : 250373306610542576736300880101376.0/17

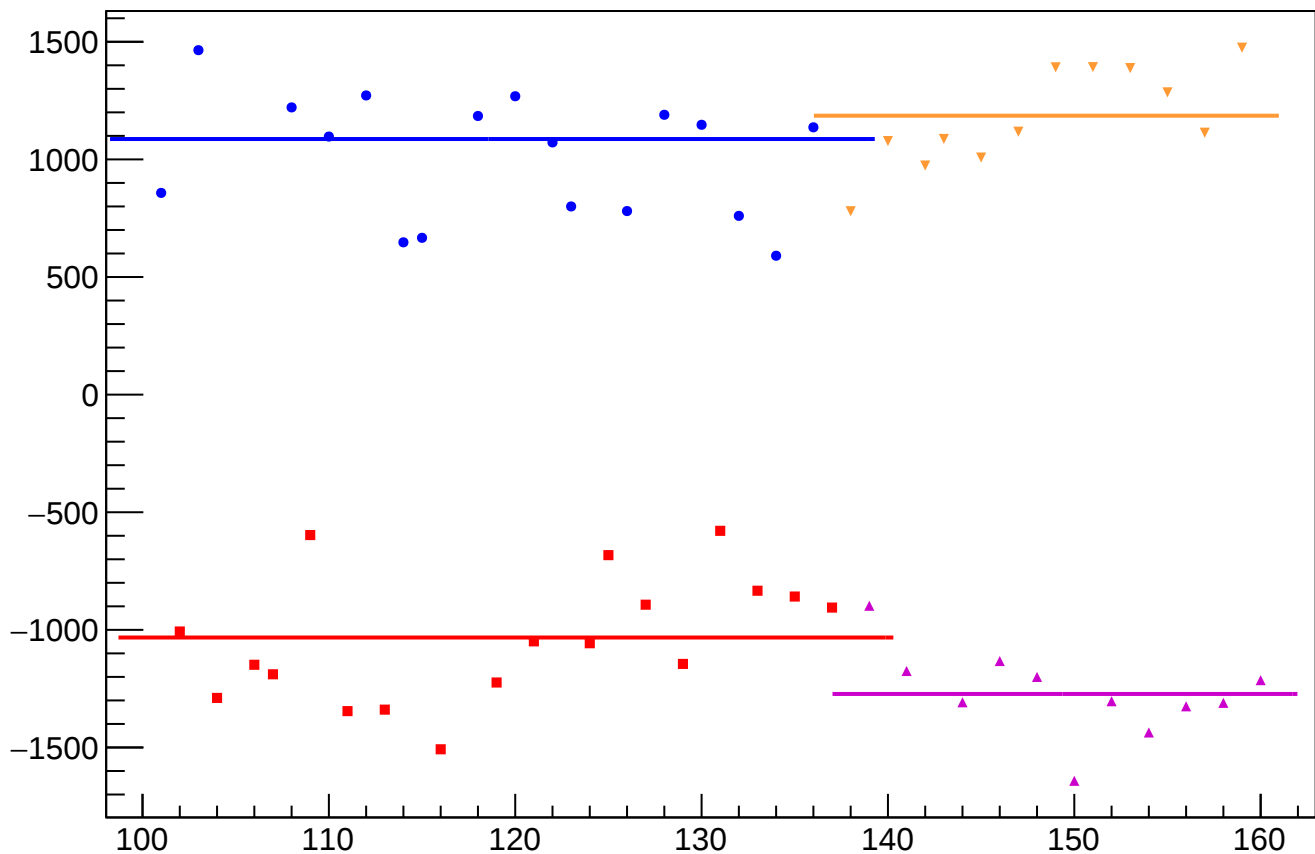
Left In: -0.374+/-0.000

χ^2/NDF : 2379461607366055456140660047872.0/10

All: -0.010+/-0.000

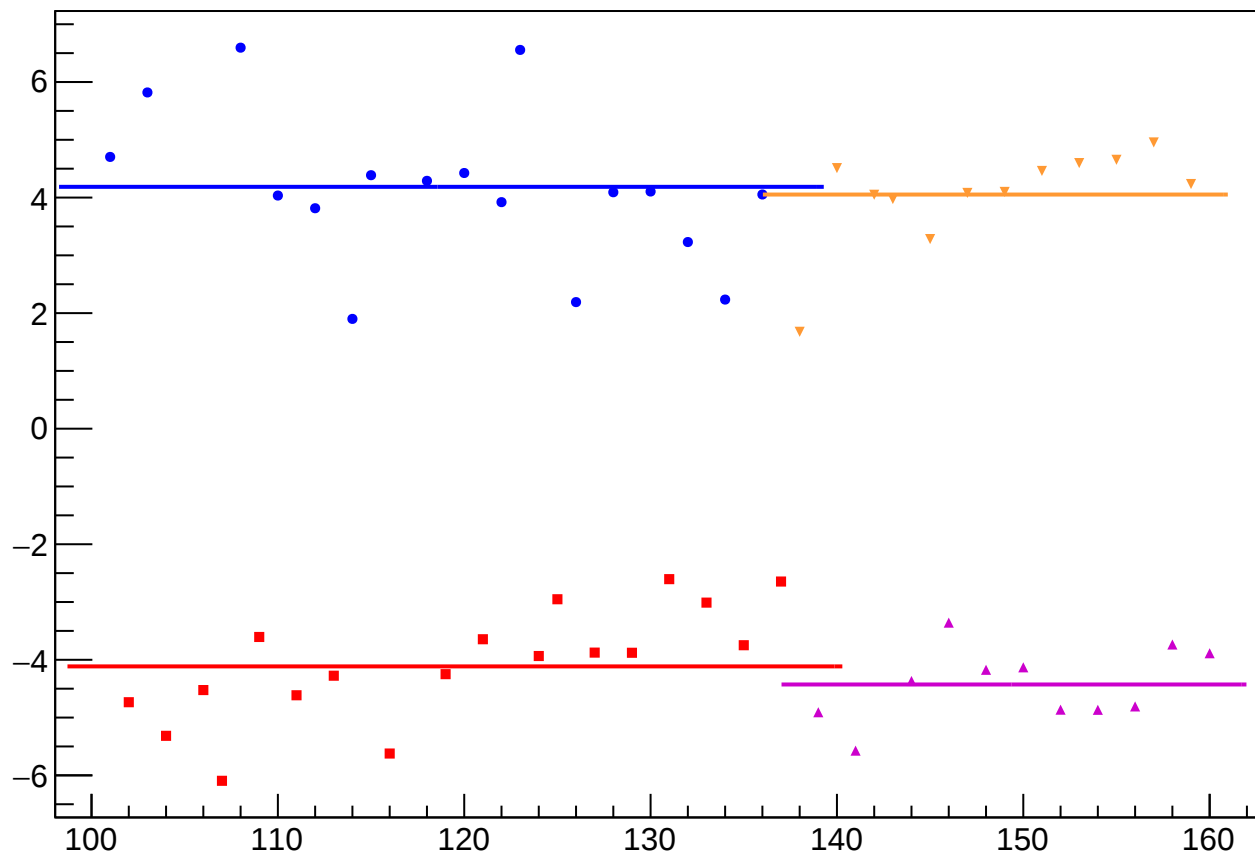
χ^2/NDF : 1749999072867

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



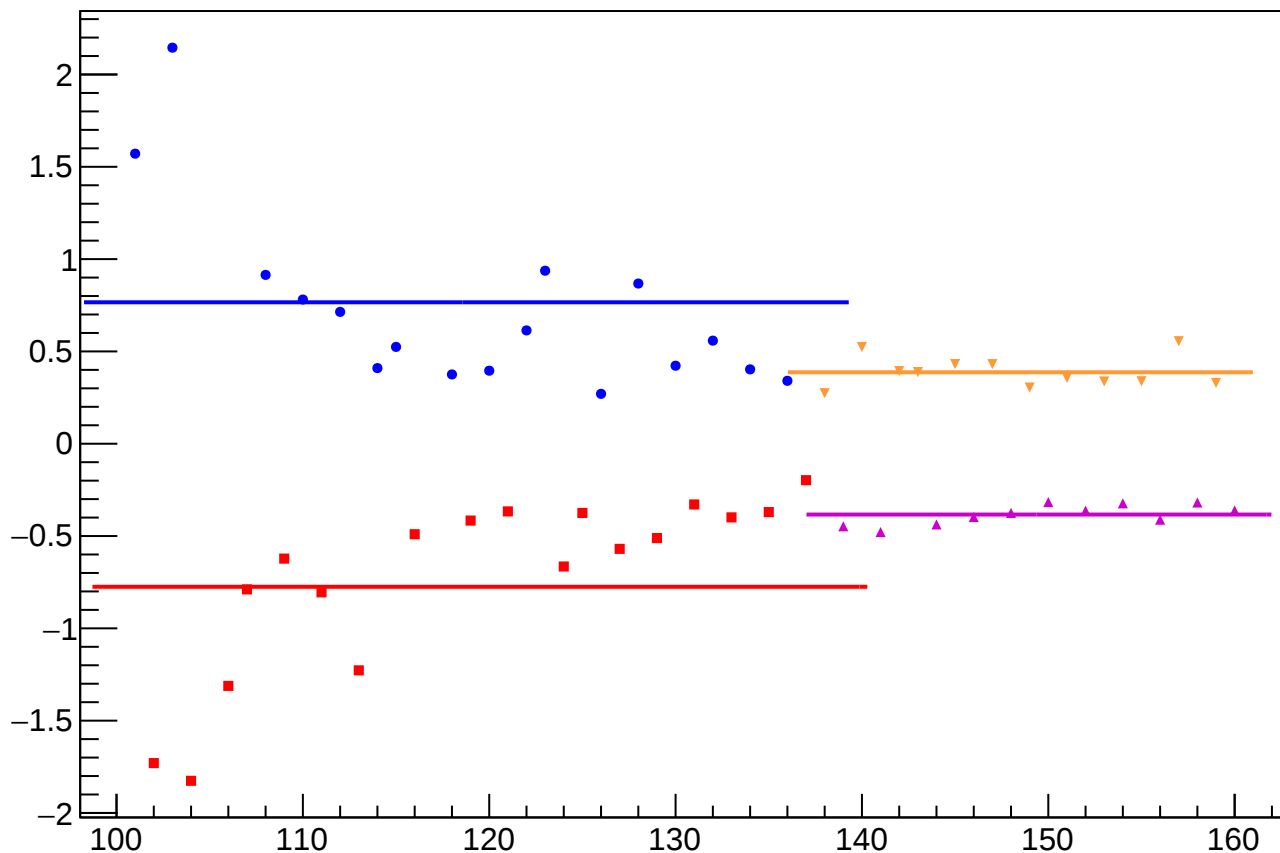
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_4eY_coil3_mean vs Slug, Sign Corrected



Right In: 4.186+/-0.000	χ^2/NDF : 774445398310846770950220892078080.0/16	Left: -0.243+/-0.000	χ^2/NDF : 34088413837184568
Left Out: 4.052+/-0.000	χ^2/NDF : 634098515145798855261076427112448.0/11	Right: -0.026+/-0.000	χ^2/NDF : 2561075955613807
Right Out: -4.114+/-0.000	χ^2/NDF : 573990867601521273238766982529024.0/17	In: -0.753+/-0.000	χ^2/NDF : 306467313798180493
Left In: -4.427+/-0.000	χ^2/NDF : 347229155799314771034943134892032.0/10	Out: 0.457+/-0.000	χ^2/NDF : 278996241429847262
		All: -0.149+/-0.000	χ^2/NDF : 5973666068557

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



Left: -0.003 +/- 0.000 χ^2/NDF : 28234003869756828

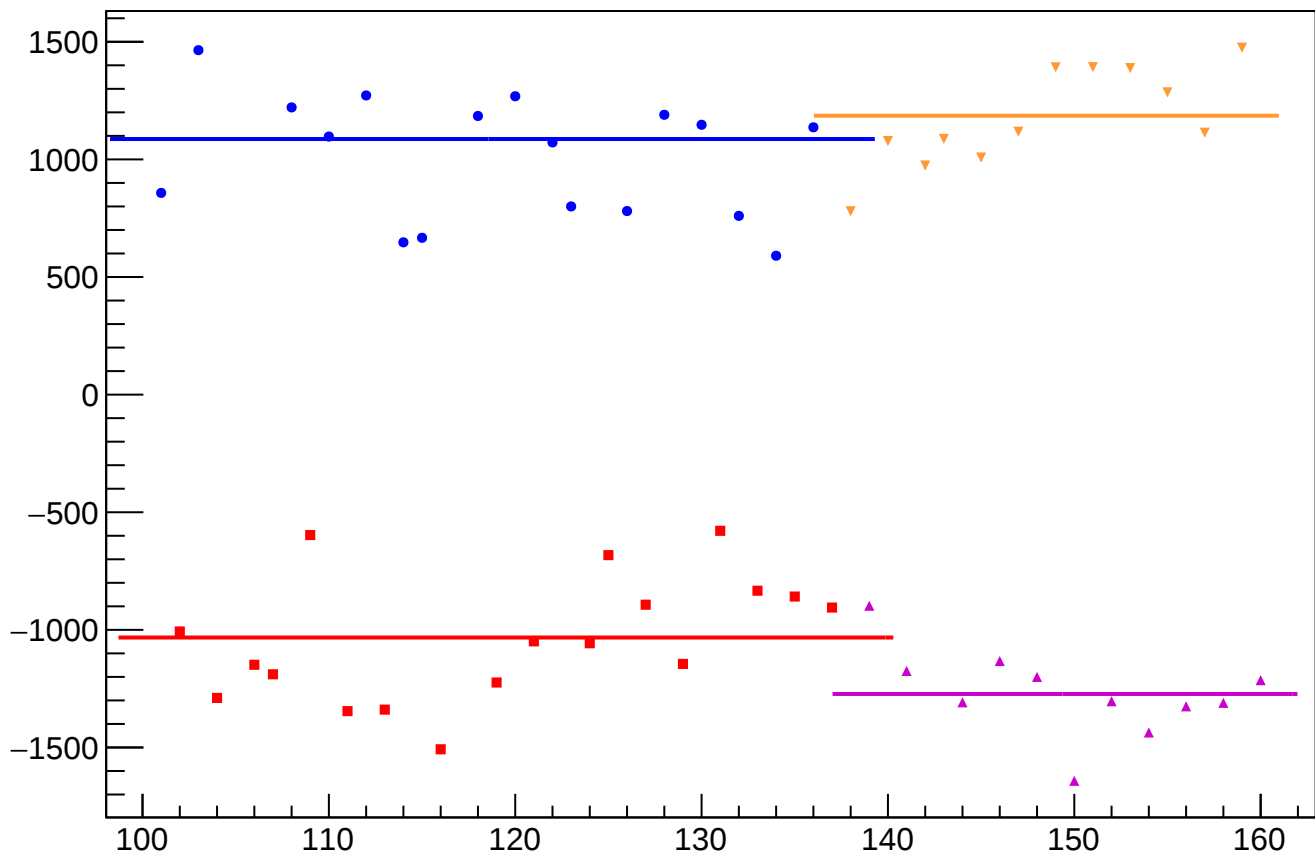
Right: -0.016 +/- 0.000 χ^2/NDF : 1223294668378502

In: 0.107 +/- 0.000 χ^2/NDF : 7334405883995383067

Out: -0.124 +/- 0.000 χ^2/NDF : 72885417762251347

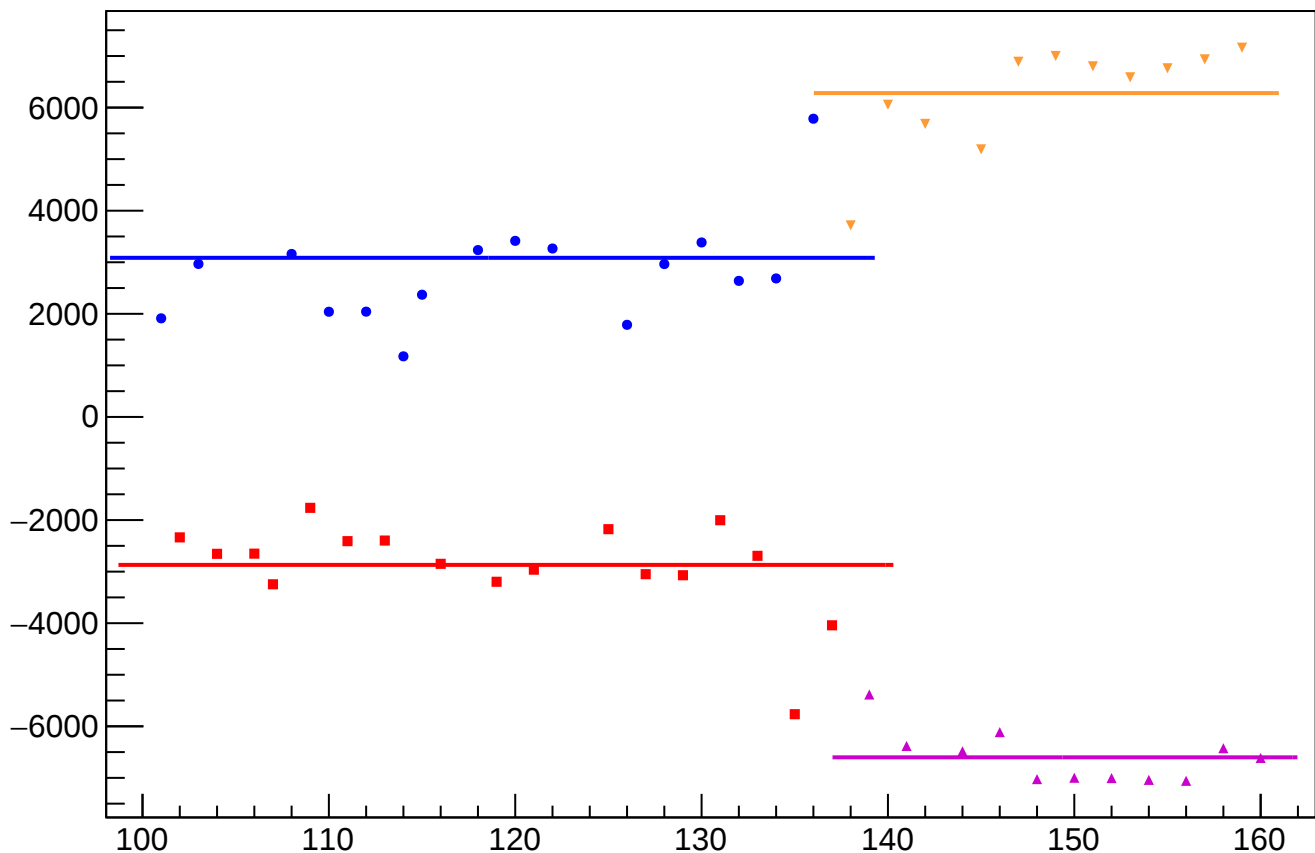
All: -0.009 +/- 0.000 χ^2/NDF : 1505760891115

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



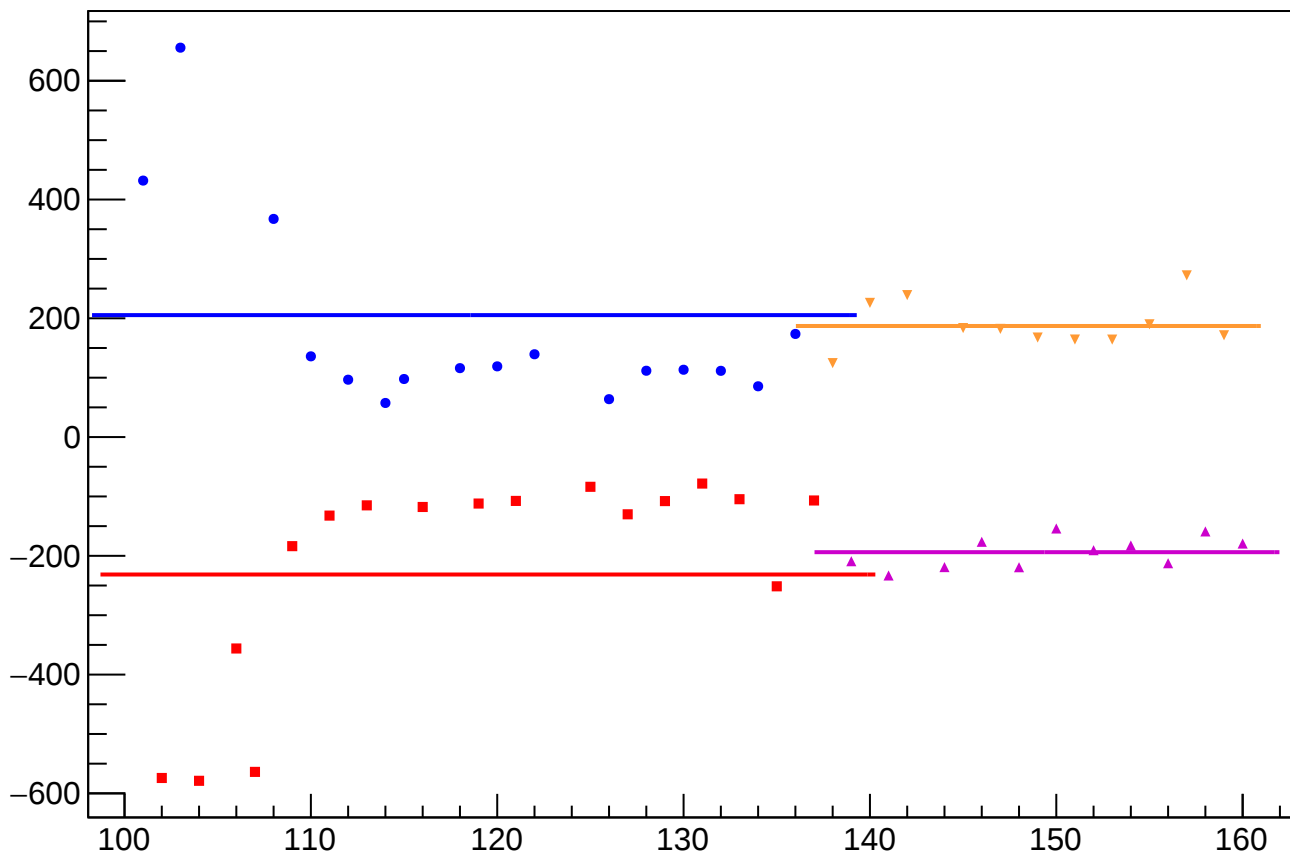
Right In: 1086.695 $\pm$ 0.000 χ^2 /NDF: 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823 $\pm$ 0.000 χ^2 /NDF: 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544 $\pm$ 0.000 χ^2 /NDF: 47614887029691398867923382029973979136.0/17
 Left In: -1272.495 $\pm$ 0.000 χ^2 /NDF: 29878198288838193261445678233542459392.0/10
 All: -28.738 $\pm$ 0.000 χ^2 /NDF: 451779050699

dit_usl_coil3_mean vs Slug, Sign Corrected



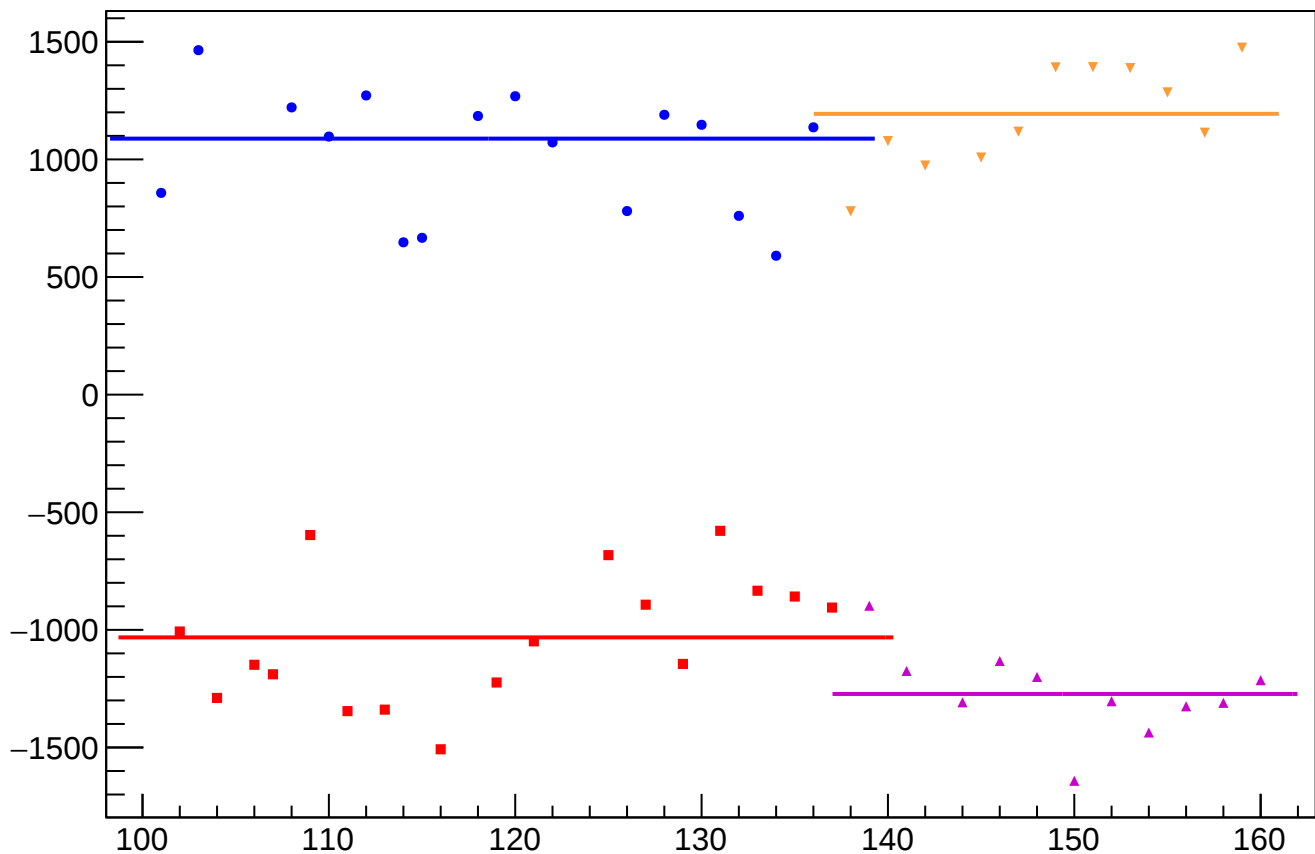
Right In: 3086.294+/-0.000 χ^2/NDF : 957872647656521012418983150086021709824.0/15
 Left Out: 6281.054+/-0.000 χ^2/NDF : 840424812990698239150116446510170243072.0/10
 Right Out: -2869.332+/-0.000 χ^2/NDF : 591237562305543847323062569482235936768.0/16
 Left In: -6601.570+/-0.000 χ^2/NDF : 224954235143433170053737939603445252096.0/10
 All: -237.674+/-0.000 χ^2/NDF : 88658508378

dit_usl_coil3_err_mean vs Slug, Sign Corrected



Right In: 205.364 +/- 0.000 χ^2/NDF : 20493668782682953984090808657754718208.0/15
 Left Out: 187.052 +/- 0.000 χ^2/NDF : 1231111224909573231836373521014980608.0/10
 Right Out: -231.450 +/- 0.000 χ^2/NDF : 23996601891457376807935240829130506240.0/16
 Left In: -193.848 +/- 0.000 χ^2/NDF : 586629985939156798428558842319077376.0/10
 All: -13.868 +/- 0.000 χ^2/NDF : 176871022937

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1088.357+/-0.000

χ^2/NDF : 34282153777351983771685586546357960704.0/15

Left Out: 1193.682+/-0.000

χ^2/NDF : 36852151008799488295542377563587346432.0/10

Right Out: -1032.058+/-0.000

χ^2/NDF : 47606445983736508238206731798200713216.0/16

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -102.624+/-0.000 χ^2/NDF : 275853676772931

Right: 19.765+/-0.000

χ^2/NDF : 1645330396991404

In: -268.806+/-0.000

χ^2/NDF : 2274961230405456

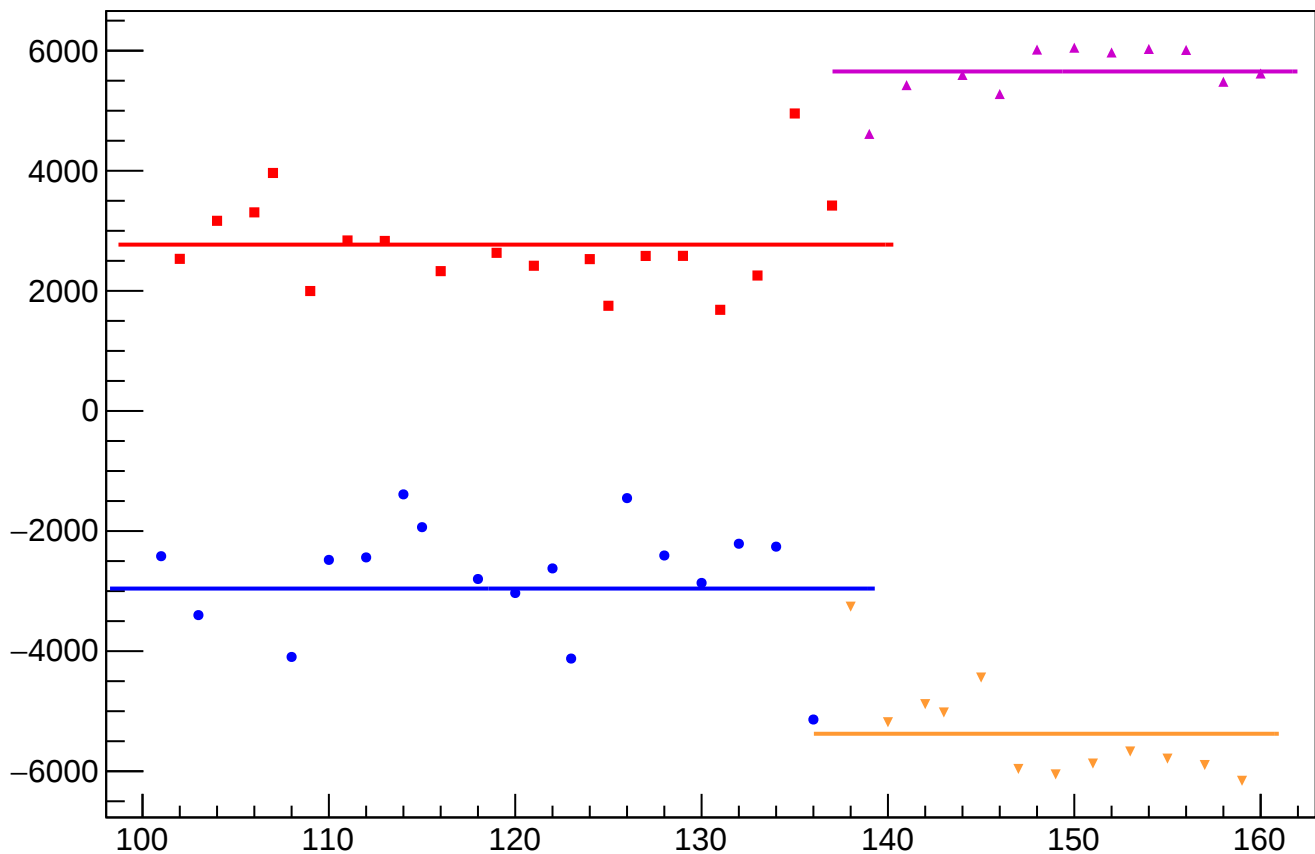
Out: 182.506+/-0.000

χ^2/NDF : 1979475649383710

All: -48.852+/-0.000

χ^2/NDF : 441554871175

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -2957.567+/-0.000

Left Out: -5375.695+/-0.000

Right Out: 2770.253+/-0.000

Left In: 5653.693+/-0.000

χ^2/NDF : 713909426456610215881026852236843548672.0/16

χ^2/NDF : 614970411401357250704026120645020483584.0/11

χ^2/NDF : 445434357481765841936850386629712412672.0/17

χ^2/NDF : 163388727247640022745164219494657163264.0/10

Left: 210.852+/-0.000 χ^2/NDF : 5678747648450613

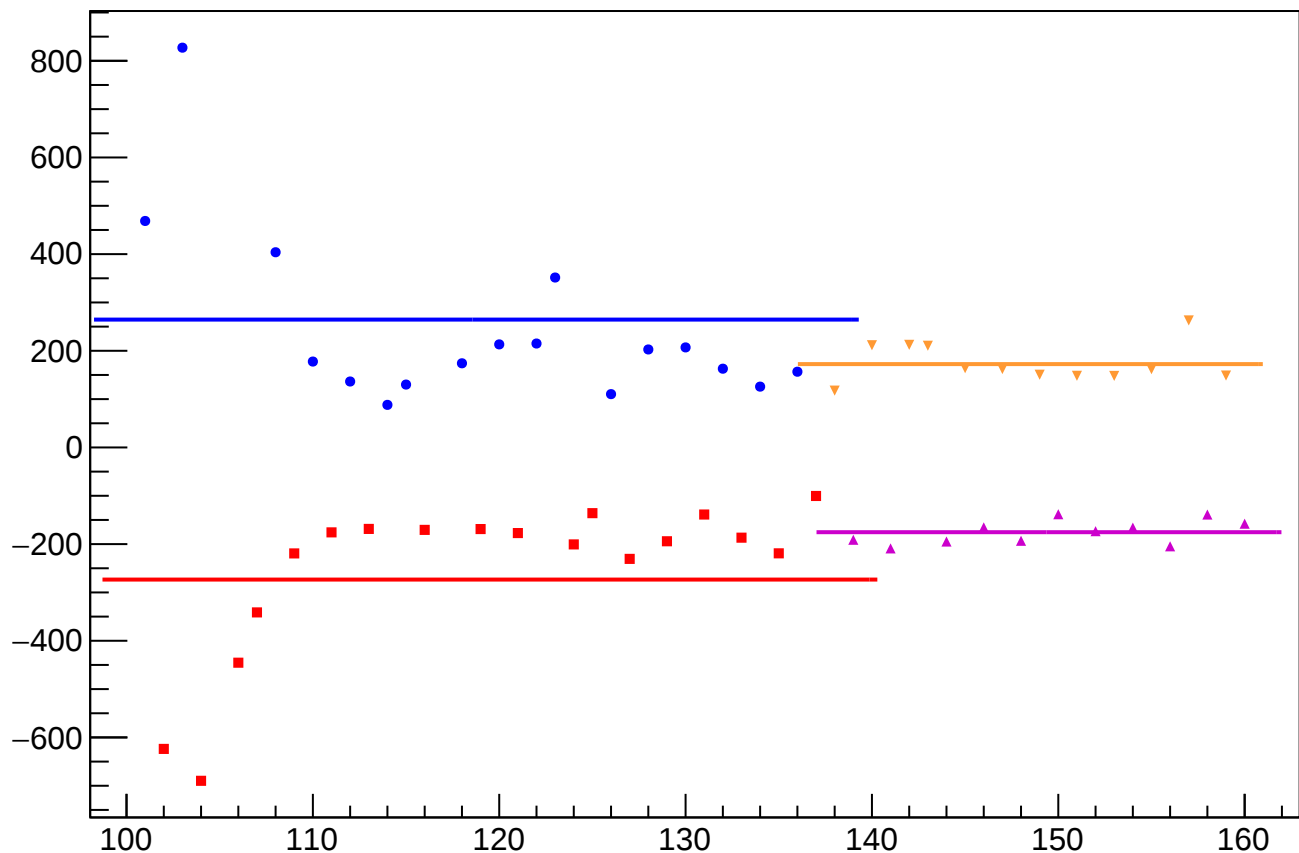
Right: -50.973+/-0.000 χ^2/NDF : 127133701983019

In: 1980.543+/-0.000 χ^2/NDF : 3038851116540527

Out: -1789.270+/-0.000 χ^2/NDF : 27616678894170

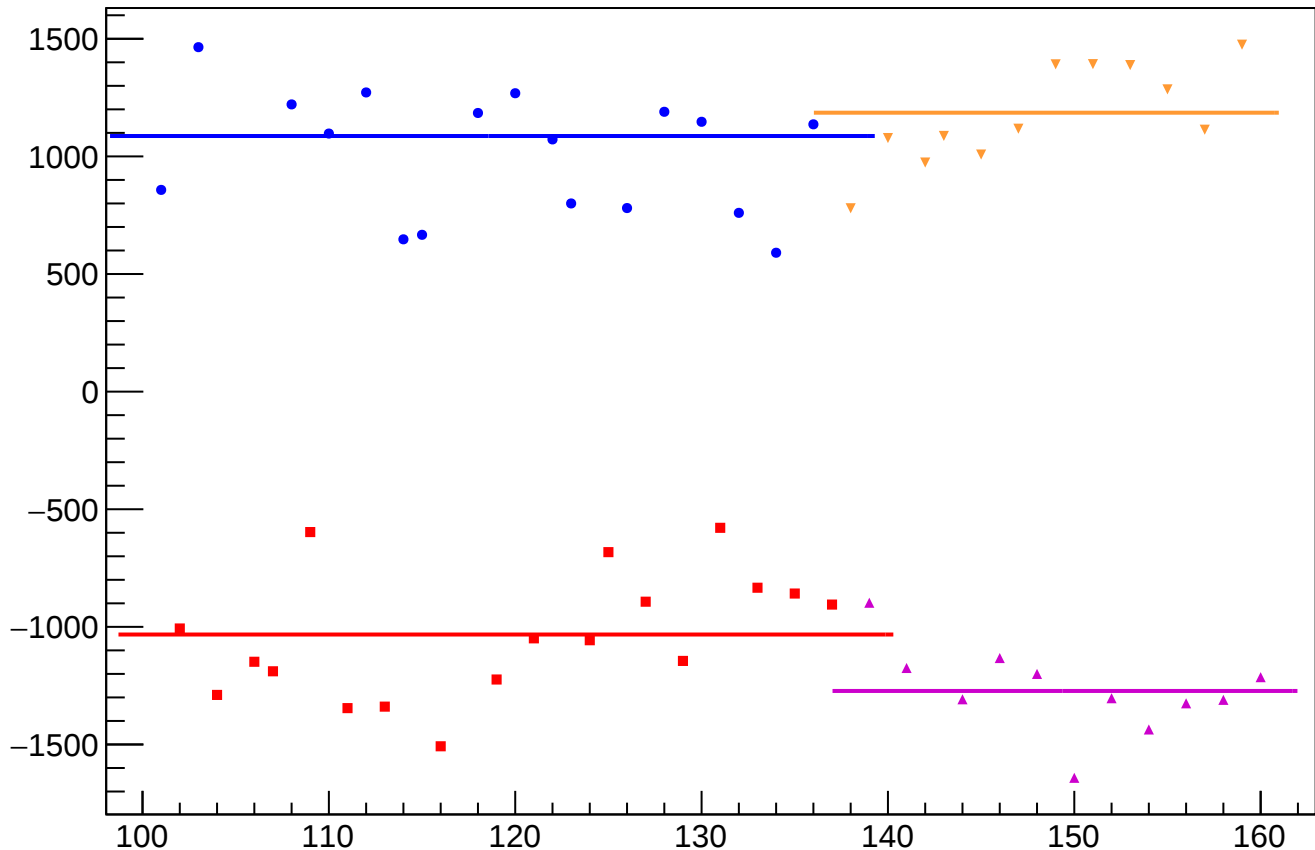
All: 97.376+/-0.000 χ^2/NDF : 6955557422403

dit_usr_coil3_err_mean vs Slug, Sign Corrected



Right In: 264.557+/-0.000	χ^2/NDF : 27392235444982313348552279916984401920.0/16	Left: -3.710+/-0.000	χ^2/NDF : 57555385532901862
Left Out: 172.461+/-0.000	χ^2/NDF : 1337859782705403198008239582328389632.0/11	Right: -8.418+/-0.000	χ^2/NDF : 1514037633807586
Right Out: -273.375+/-0.000	χ^2/NDF : 22103440288407609769259099140296540160.0/17	In: 12.294+/-0.000	χ^2/NDF : 104926377644840795
Left In: -175.349+/-0.000	χ^2/NDF : 519457890651720785160381502035329024.0/10	Out: -23.828+/-0.000	χ^2/NDF : 1029900362391894
	All: -5.750+/-0.000	χ^2/NDF : 2089768409567	

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

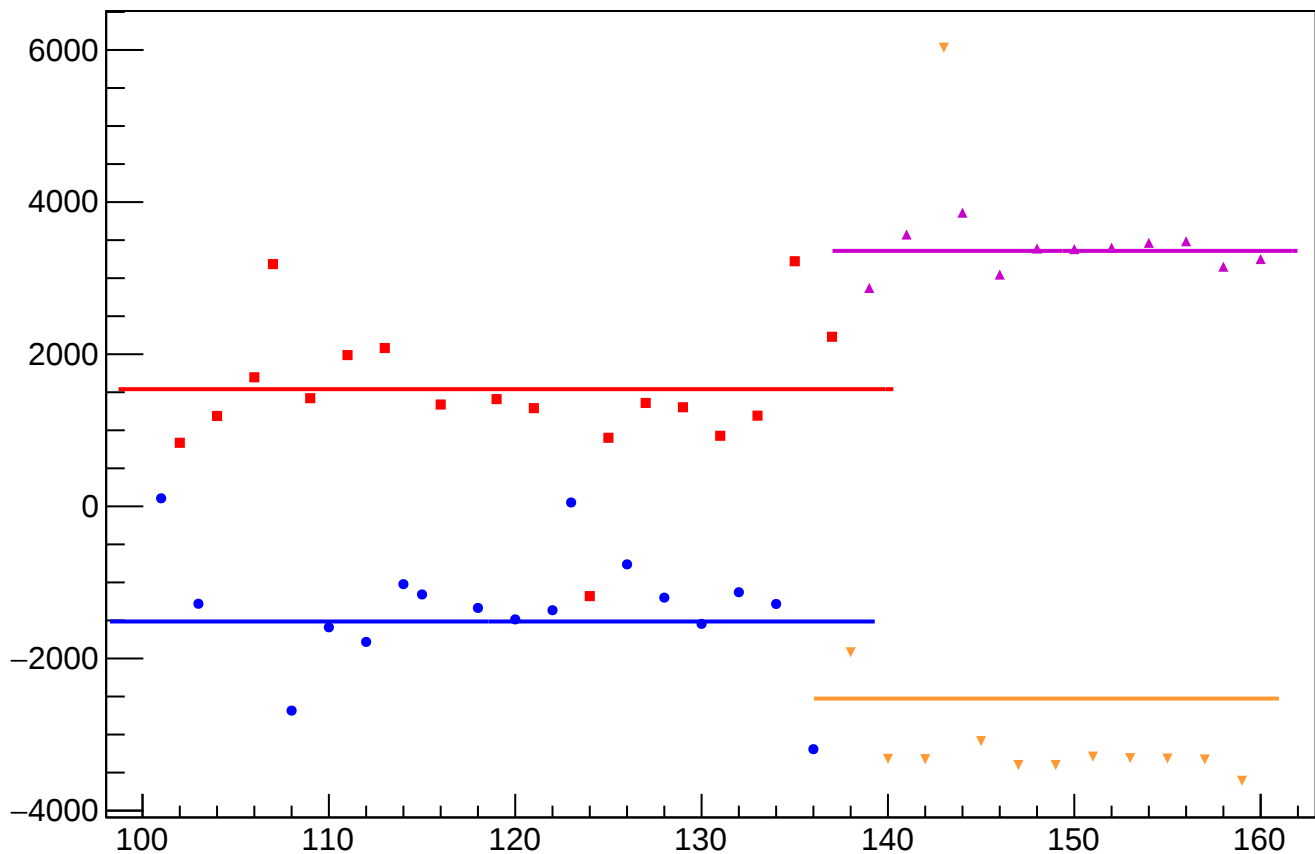
χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934
 Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158
 In: -266.178+/-0.000 χ^2/NDF : 2279519380852013
 Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1513.653+/-0.000

Left Out: -2527.006+/-0.000

Right Out: 1540.621+/-0.000

Left In: 3358.797+/-0.000

χ^2/NDF : 514234912482757513557339366977389461504.0/16

χ^2/NDF : 5451232990455416155360910698566211600384.0/11

χ^2/NDF : 446199417852057016559160819528574697472.0/17

χ^2/NDF : 60700995686323483961460541092630888448.0/10

Left: 454.239+/-0.000 χ^2/NDF : 2146217616354959

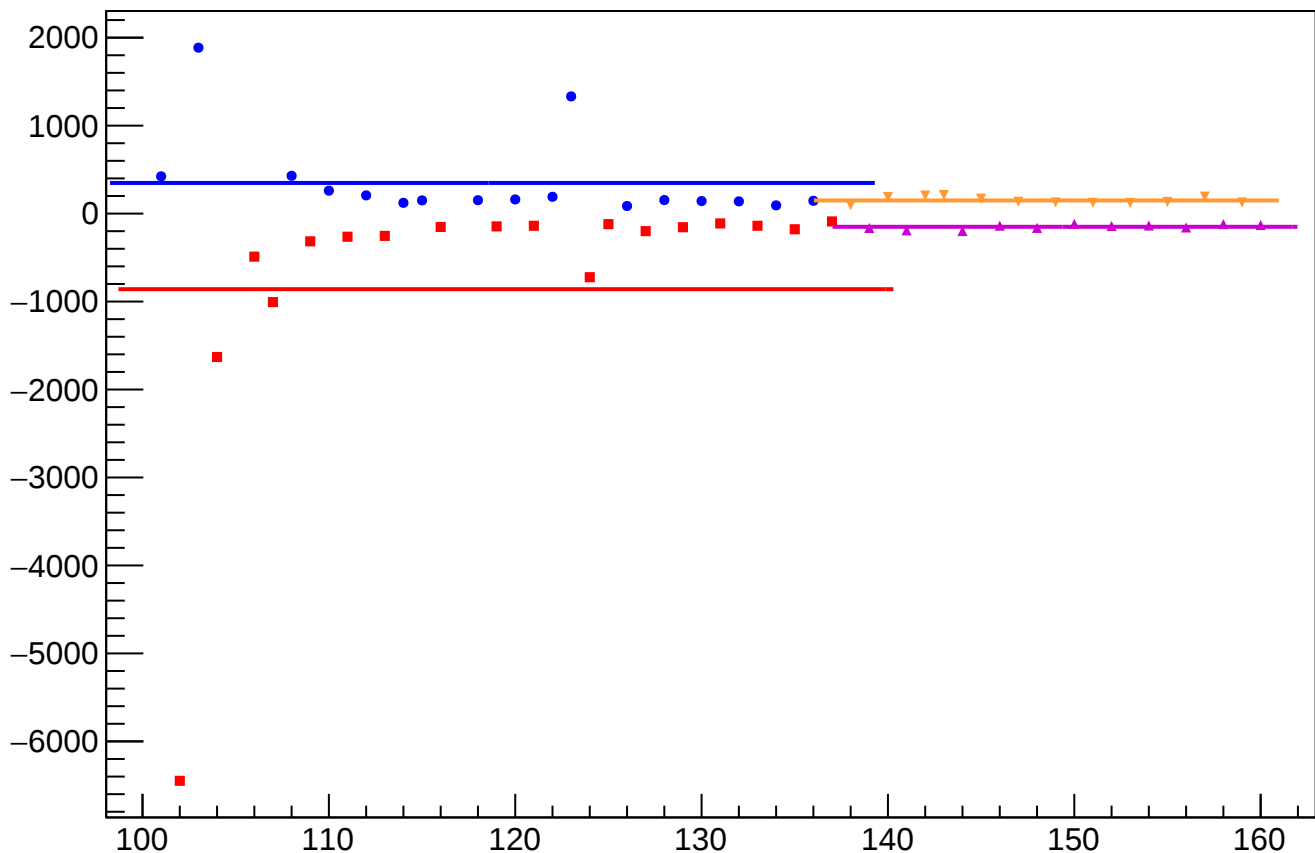
Right: 36.245+/-0.000 χ^2/NDF : 4245699622257131

In: 1280.444+/-0.000 χ^2/NDF : 100231179905351

Out: -736.148+/-0.000 χ^2/NDF : 125190807044602

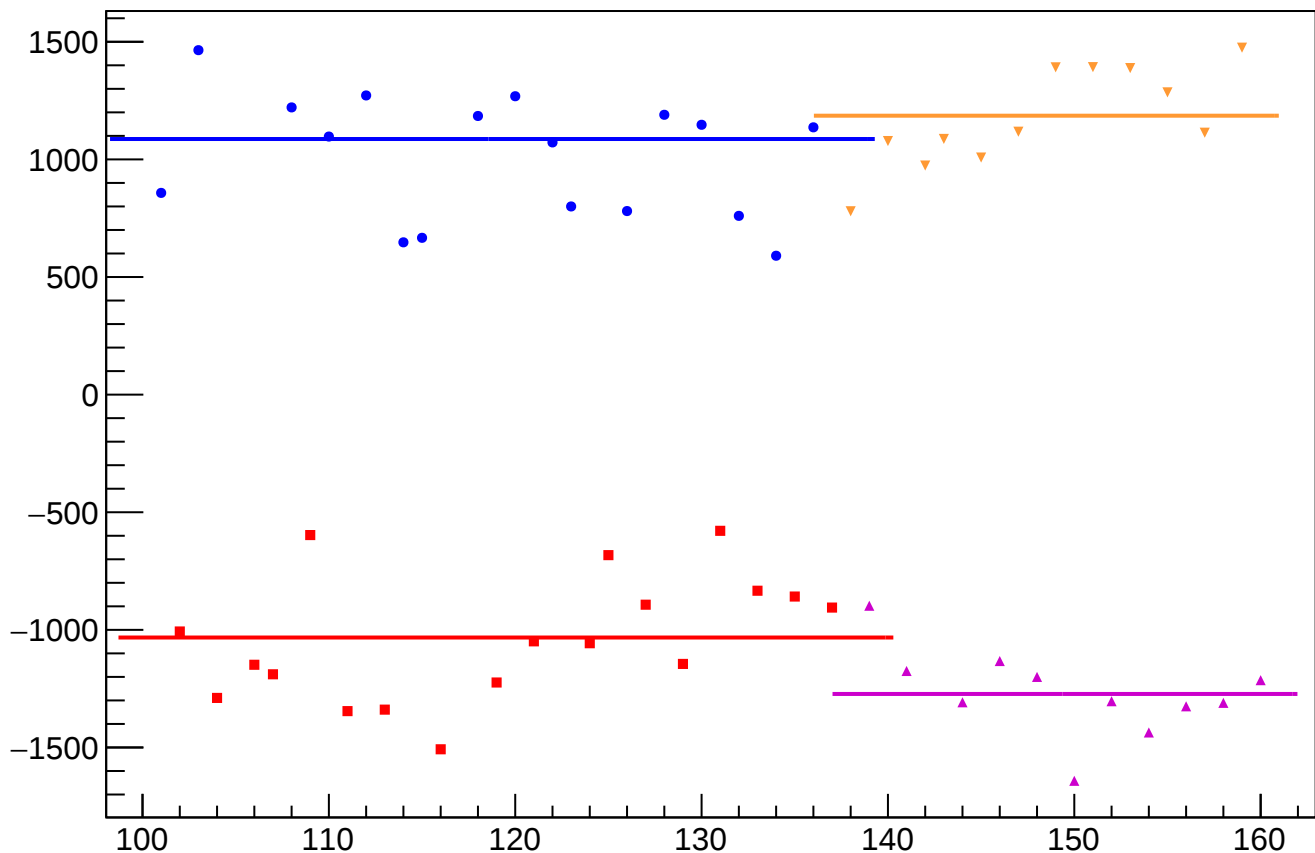
All: 273.078+/-0.000 χ^2/NDF : 258473599670

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



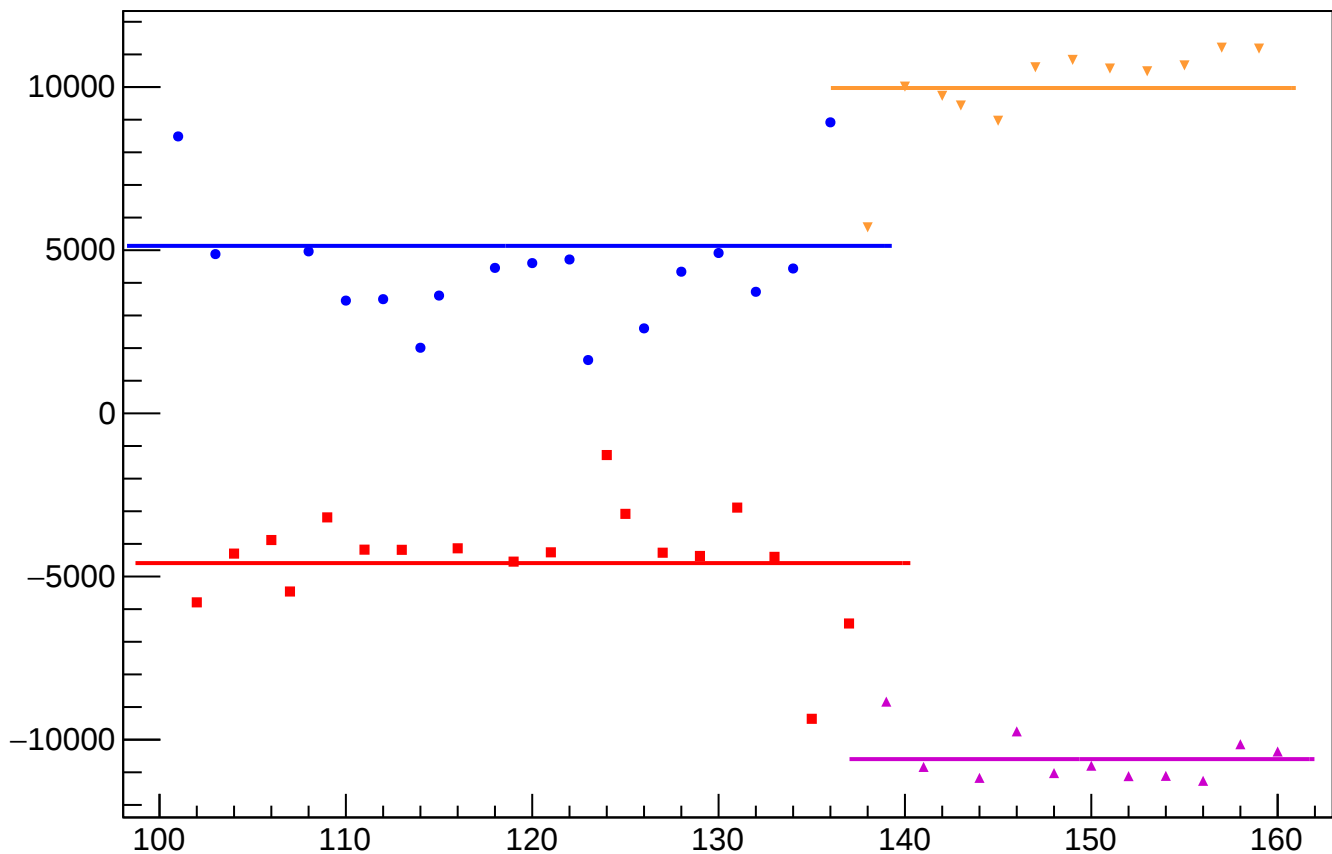
Right In: 348.444 ± 0.000 $\chi^2/\text{NDF}: 164421878122610355371654497383202422784.0/16$
 Left Out: 149.175 ± 0.000 $\chi^2/\text{NDF}: 1154008557616927305320355624438988800.0/11$
 Right Out: -859.360 ± 0.000 $\chi^2/\text{NDF}: 2089894584846900651264019930845330538496.0/17$
 Left In: -149.996 ± 0.000 $\chi^2/\text{NDF}: 634211210391111193289402478351089664.0/10$
 All: -115.955 ± 0.000 $\chi^2/\text{NDF}: 28659014260$

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



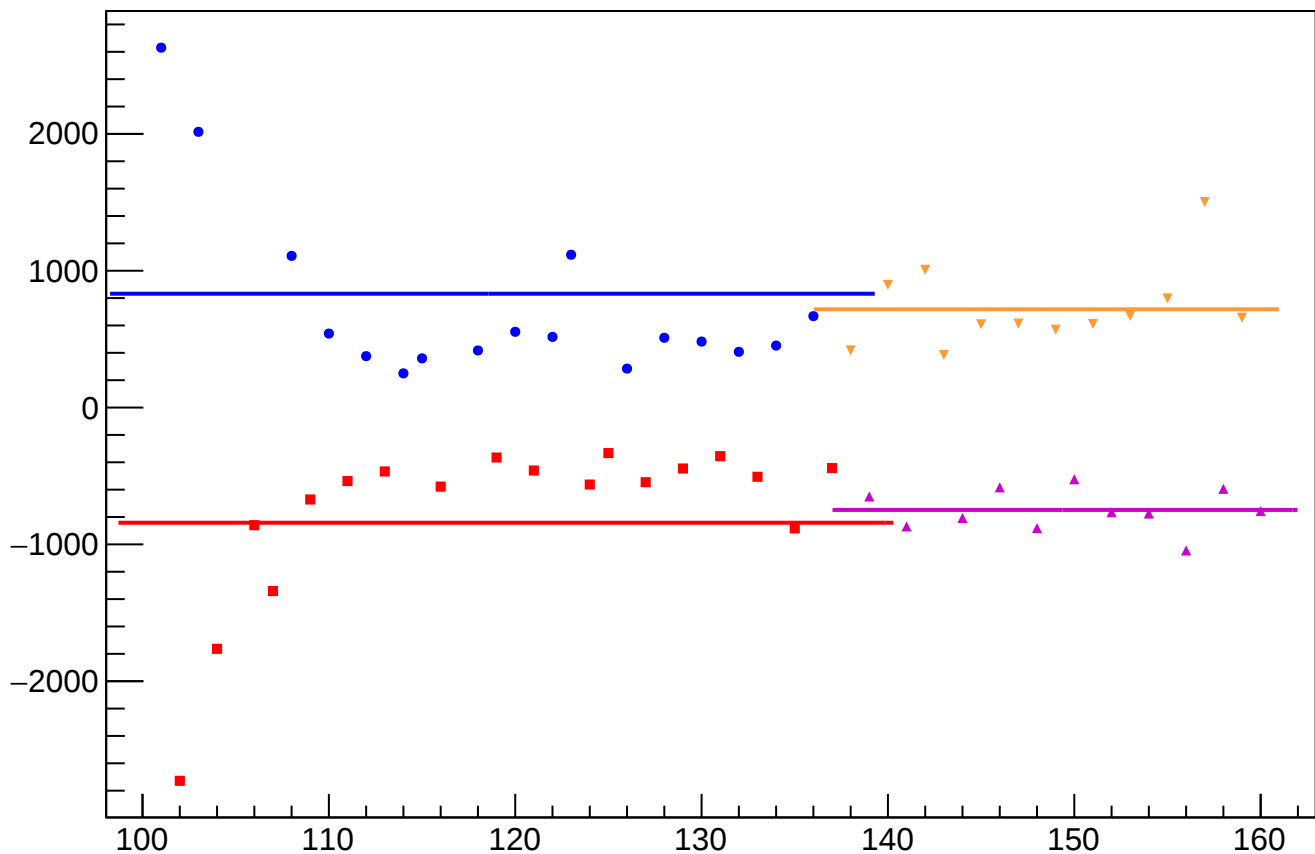
Right In: 1086.695 ± 0.000 $\chi^2/\text{NDF}: 34612834720892896264590202148866752512.0/16$
 Left Out: 1185.823 ± 0.000 $\chi^2/\text{NDF}: 37557683033316568818198536296895348736.0/11$
 Right Out: -1032.544 ± 0.000 $\chi^2/\text{NDF}: 47614887029691398867923382029973979136.0/17$
 Left In: -1272.495 ± 0.000 $\chi^2/\text{NDF}: 29878198288838193261445678233542459392.0/10$
 All: -28.738 ± 0.000 $\chi^2/\text{NDF}: 451779050699$

dit_atl2_coil3_mean vs Slug, Sign Corrected



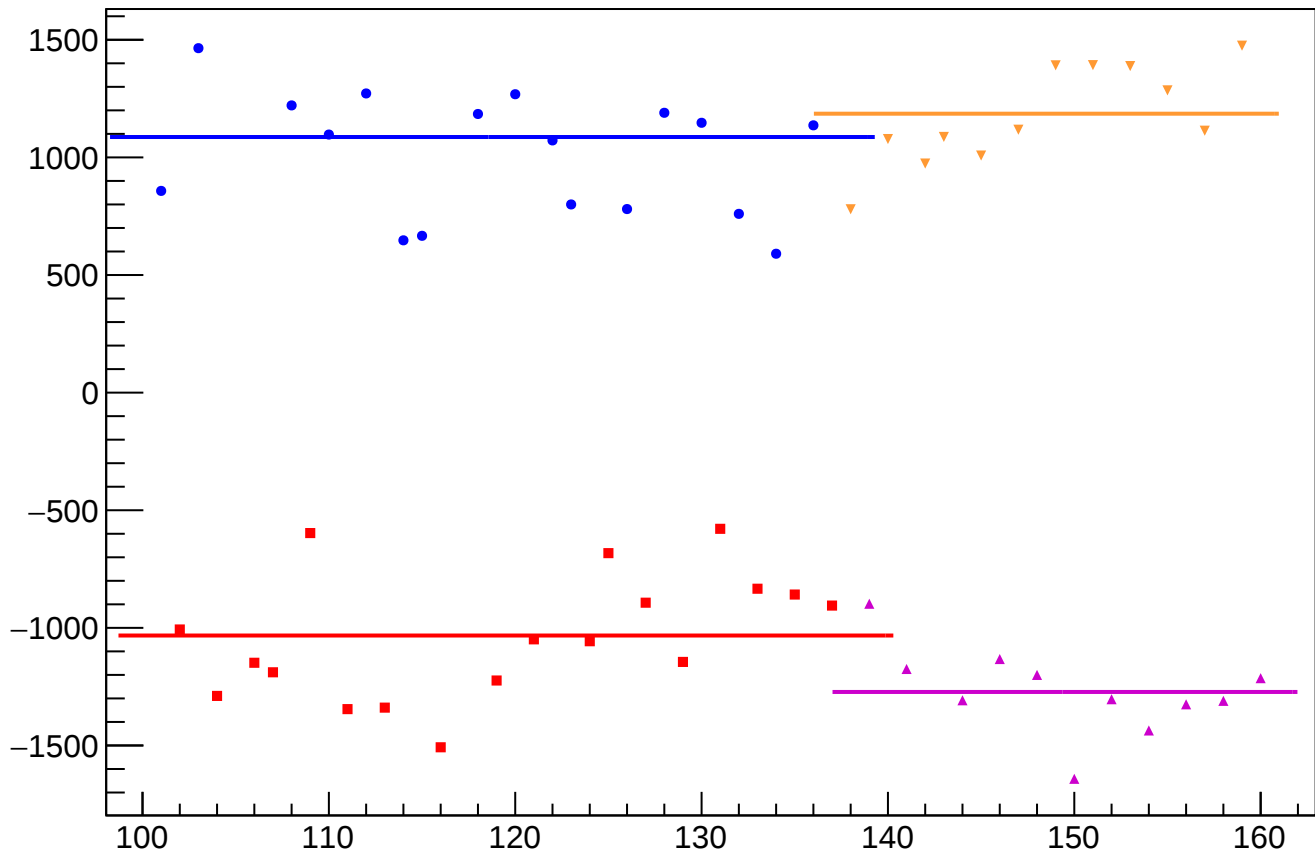
Right In: 5133.097 $\pm$ 0.000 χ^2 /NDF: 2783606731789543492542627200033364115456.0/16
 Left Out: 9970.965 $\pm$ 0.000 χ^2 /NDF: 1934561351581385388949199210125109231616.0/11
 Right Out: -4588.565 $\pm$ 0.000 χ^2 /NDF: 1762679658137517030098233744958039261184.0/17
 Left In: -10595.738 $\pm$ 0.000 χ^2 /NDF: 468576856430233997179123685345978220544.0/10
 All: -166.309 $\pm$ 0.000 χ^2 /NDF: 23532028445

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



Right In: 831.957 ± 0.000 $\chi^2/\text{NDF}: 349451729062960856481628082238677581824.0/16$
 Left Out: 718.149 ± 0.000 $\chi^2/\text{NDF}: 71937620206312488089989876430797799424.0/11$
 Right Out: -841.697 ± 0.000 $\chi^2/\text{NDF}: 327194571788790762884924618221350289408.0/17$
 Left In: -748.248 ± 0.000 $\chi^2/\text{NDF}: 19684275040316832189212720213180547072.0/10$
 All: -21.456 ± 0.000 $\chi^2/\text{NDF}: 274484058826$

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

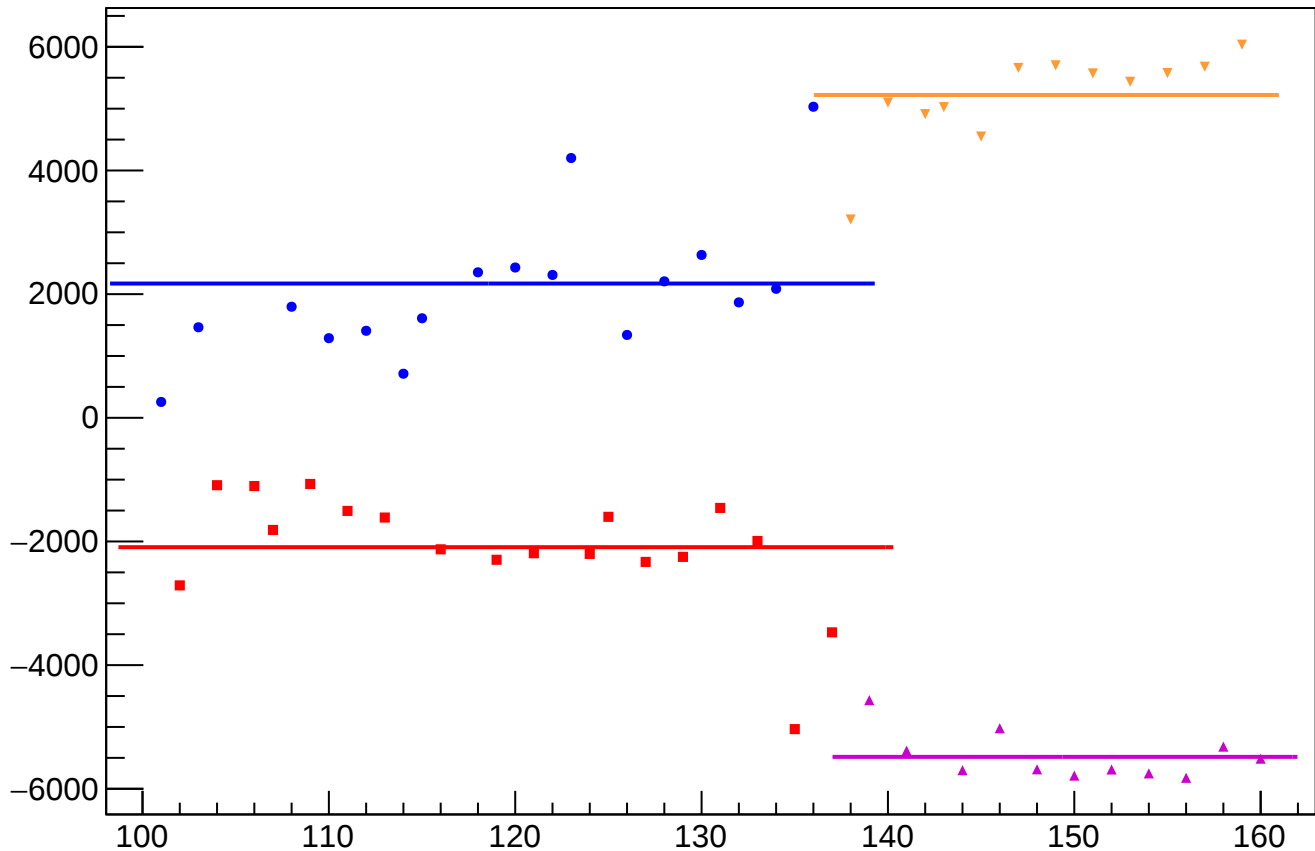
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

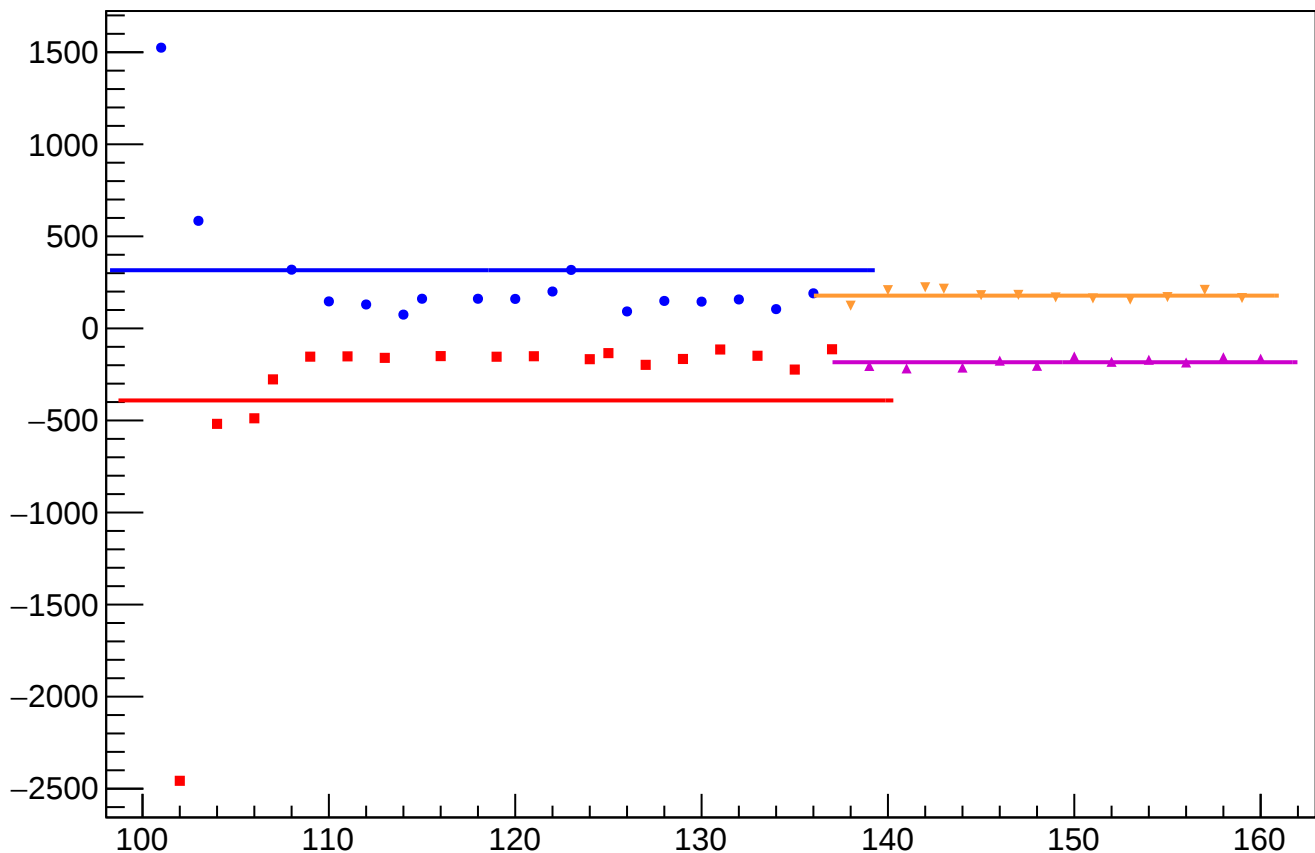
All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_atr1_coil3_mean vs Slug, Sign Corrected



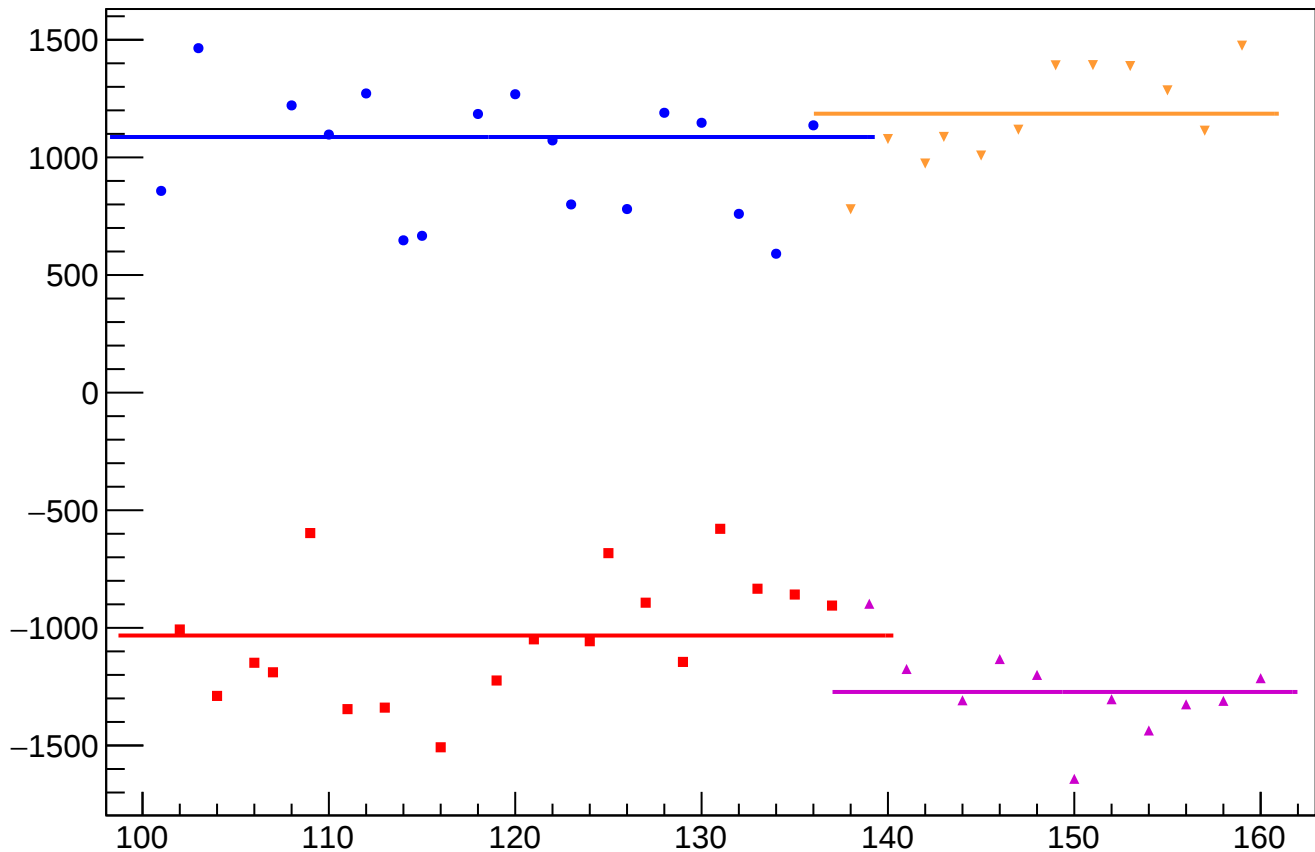
Right In: 2171.584+/-0.000 χ^2/NDF : 1121481436711992505747608002078061887488.0/16
 Left Out: 5221.037+/-0.000 χ^2/NDF : 4857654311050292854338300000844618072064.0/11
 Right Out: -2092.361+/-0.000 χ^2/NDF : 667441885377832140265043131761621467136.0/17
 Left In: -5483.850+/-0.000 χ^2/NDF : 124207618021639643047117923230651777024.0/10
 All: -110.571+/-0.000 χ^2/NDF : 61598535093

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 315.988+/-0.000 χ^2/NDF : 105245970043528229052885068868464148480.0/16
 Left Out: 178.075+/-0.000 χ^2/NDF : 651585134849869206771008425477275648.0/11
 Right Out: -391.241+/-0.000 χ^2/NDF : 278615743451952201300141162839823876096.0/17
 Left In: -183.693+/-0.000 χ^2/NDF : 436901081723904411805948593427185664.0/10
 All: -21.518+/-0.000 χ^2/NDF : 622491467399

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

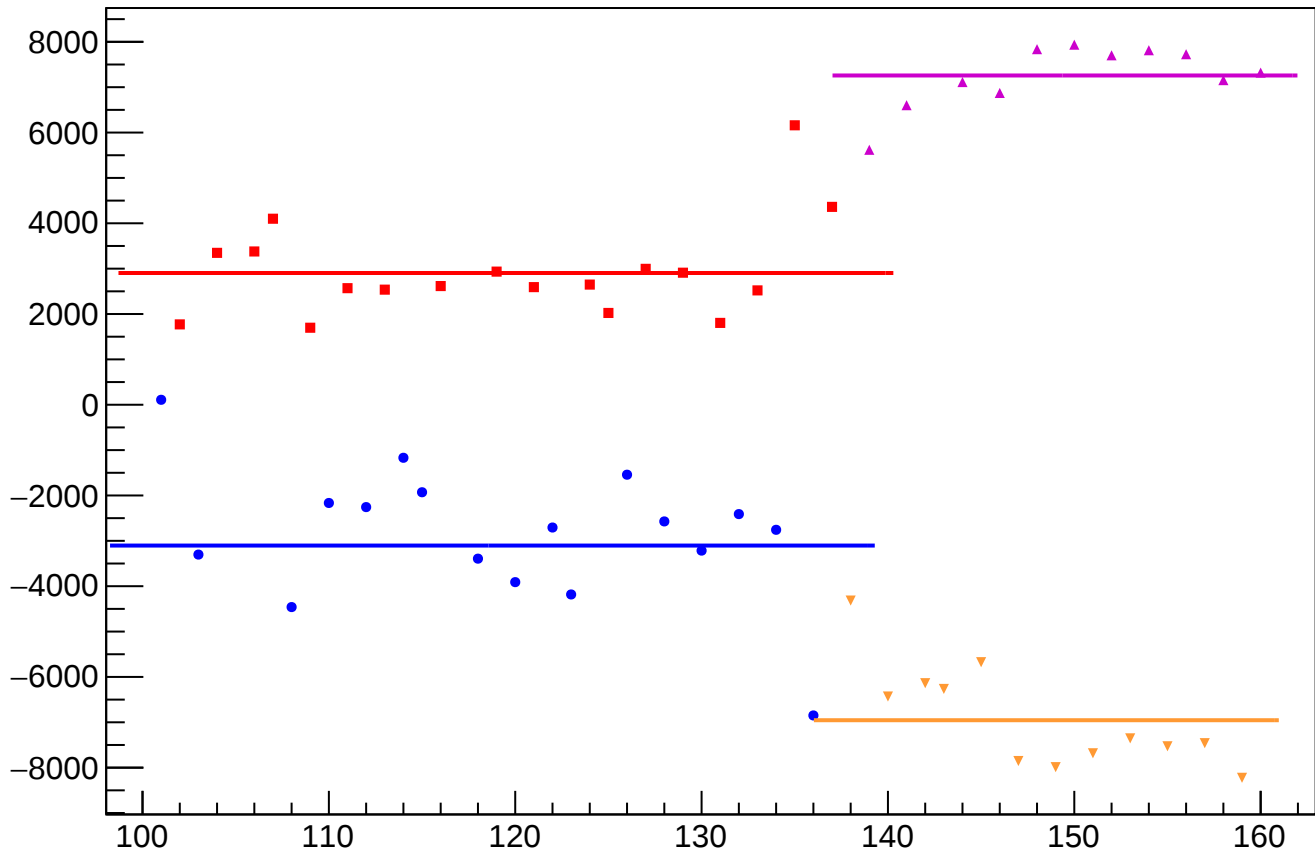
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3104.086+/-0.000

Left Out: -6954.312+/-0.000

Right Out: 2904.095+/-0.000

Left In: 7258.241+/-0.000

χ^2/NDF : 2219830093322908449503226232551283621888.0/16

χ^2/NDF : 1136997499681278393426195734690374090752.0/11

χ^2/NDF : 863466592603439885705858083509569060864.0/17

χ^2/NDF : 401725539598456185043422844347240939520.0/10

Left: 244.554+/-0.000 χ^2/NDF : 9454239531636399

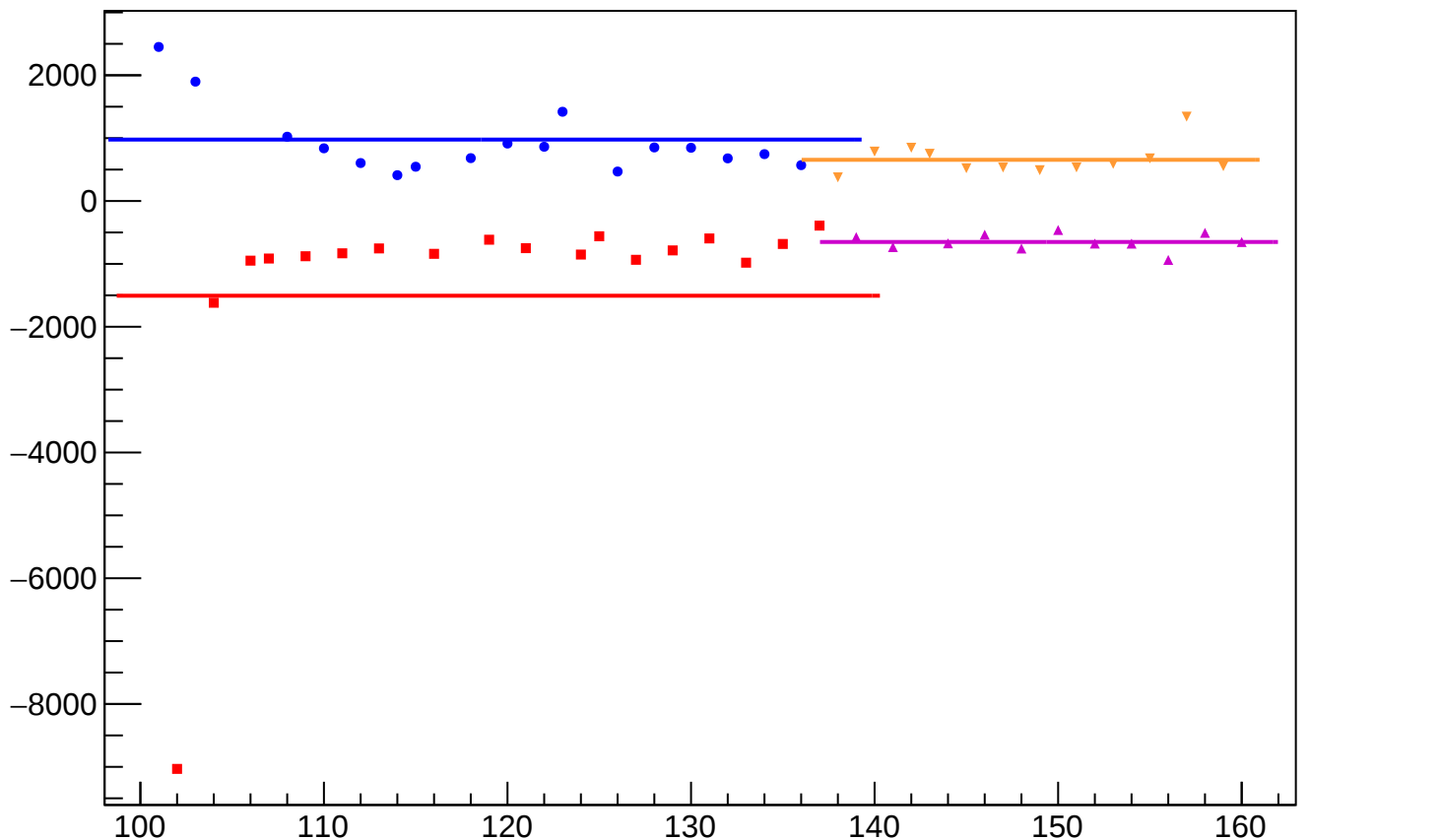
Right: -55.222+/-0.000 χ^2/NDF : 157960799748742

In: 2838.170+/-0.000 χ^2/NDF : 4535502787574974

Out: -2613.942+/-0.000 χ^2/NDF : 40895790477576

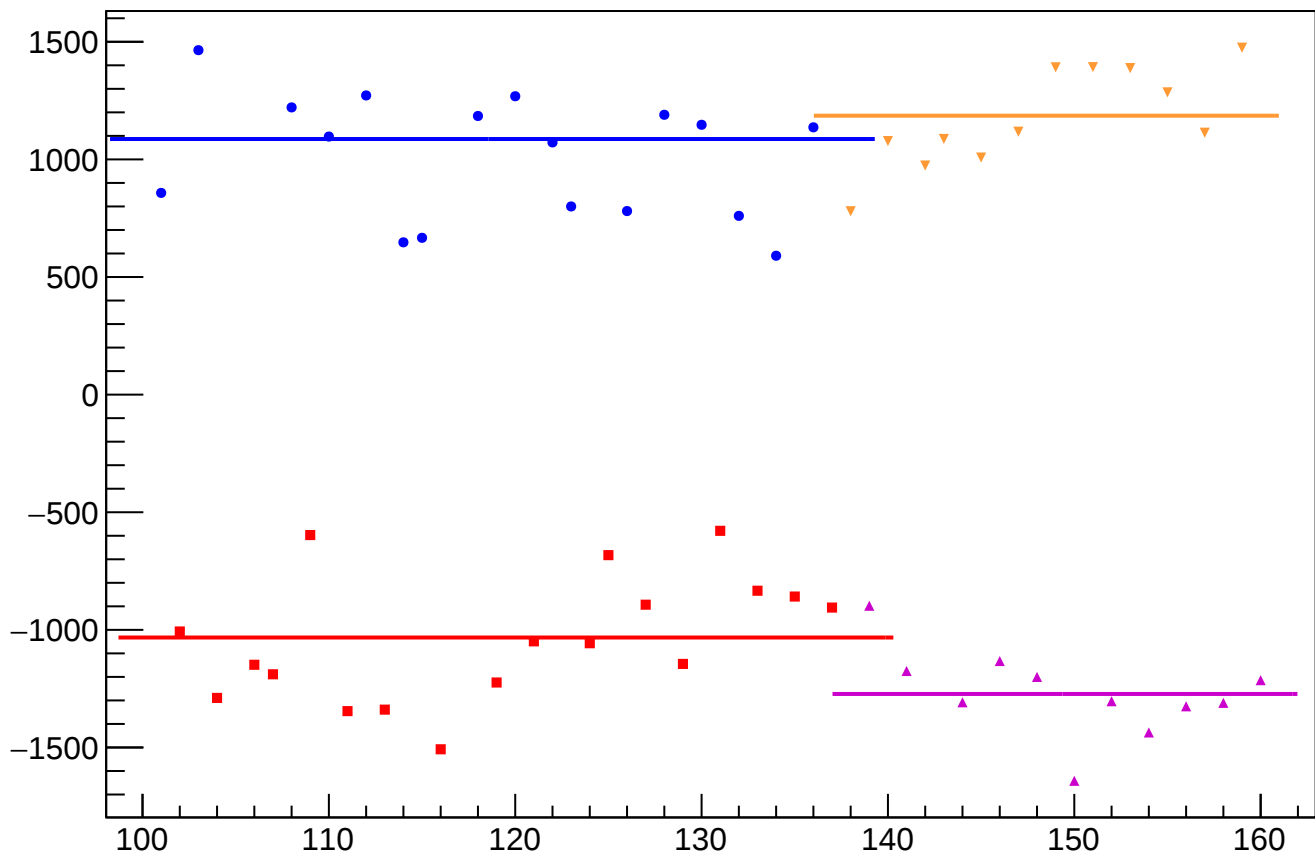
All: 114.630+/-0.000 χ^2/NDF : 11041021813

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



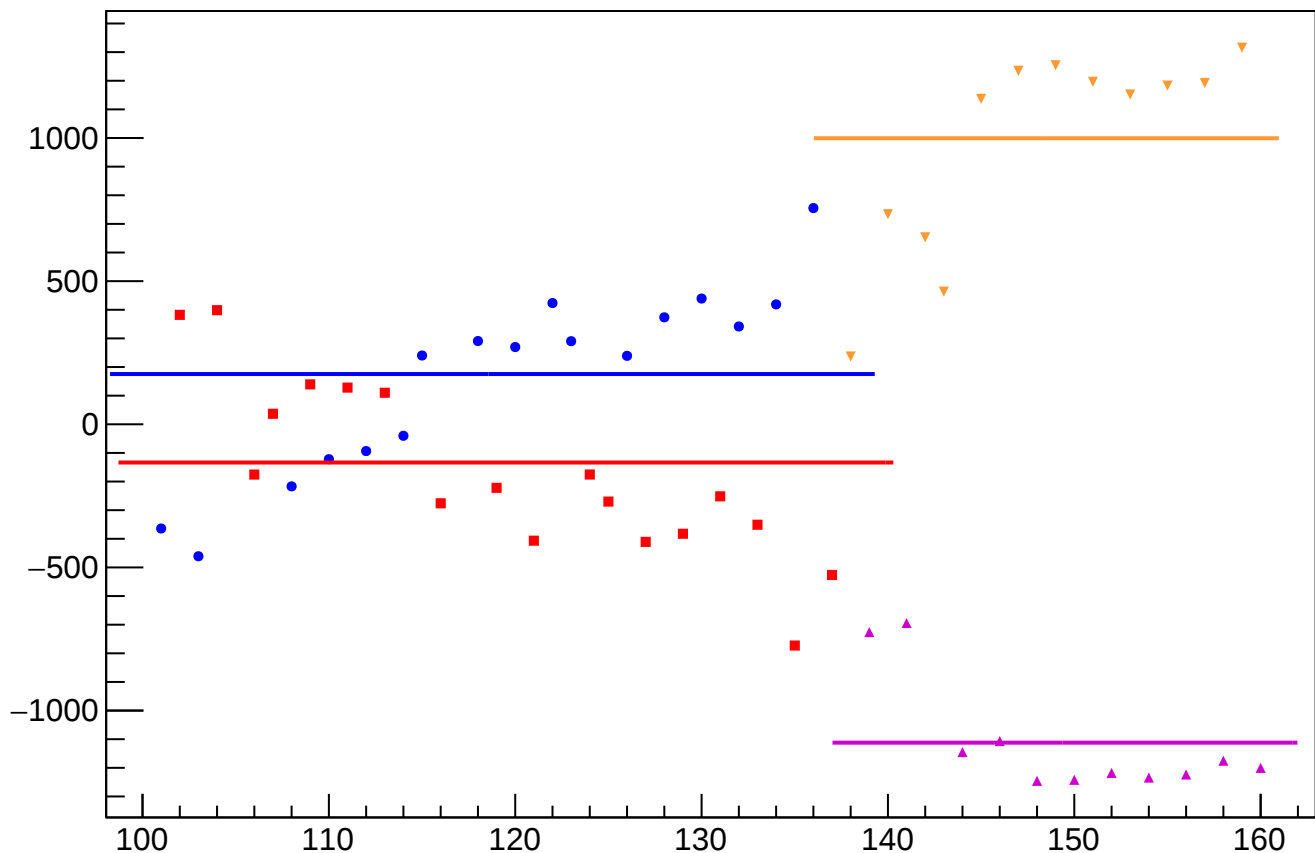
Left: -6.696 ± 0.000 $\chi^2/\text{NDF}: 85279987998266189$
 Right In: 977.095 ± 0.000 $\chi^2/\text{NDF}: 229572106069348964280530708212477853696.0/16$
 Left Out: 655.166 ± 0.000 $\chi^2/\text{NDF}: 51874874251518032023744139034586251264.0/11$
 Right Out: -1506.543 ± 0.000 $\chi^2/\text{NDF}: 3621204096431683433019783695973291655168.0/17$
 Left In: -651.533 ± 0.000 $\chi^2/\text{NDF}: 14771751730893507411820547842989096960.0/10$
 All: -126.548 ± 0.000 $\chi^2/\text{NDF}: 69369825406$

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 175.537 +/- 0.000

χ^2/NDF : 95726276788203913105887314540463390720.0/16

Left Out: 999.146 +/- 0.000

χ^2/NDF : 105564366035075461974618801527085596672.0/11

Right Out: -133.524 +/- 0.000

χ^2/NDF : 76029583873433989388564211432616361984.0/17

Left In: -1112.074 +/- 0.000

χ^2/NDF : 34304488318555265110633397434623983616.0/10

Left: -70.218 +/- 0.000 χ^2/NDF : 2192085054079832

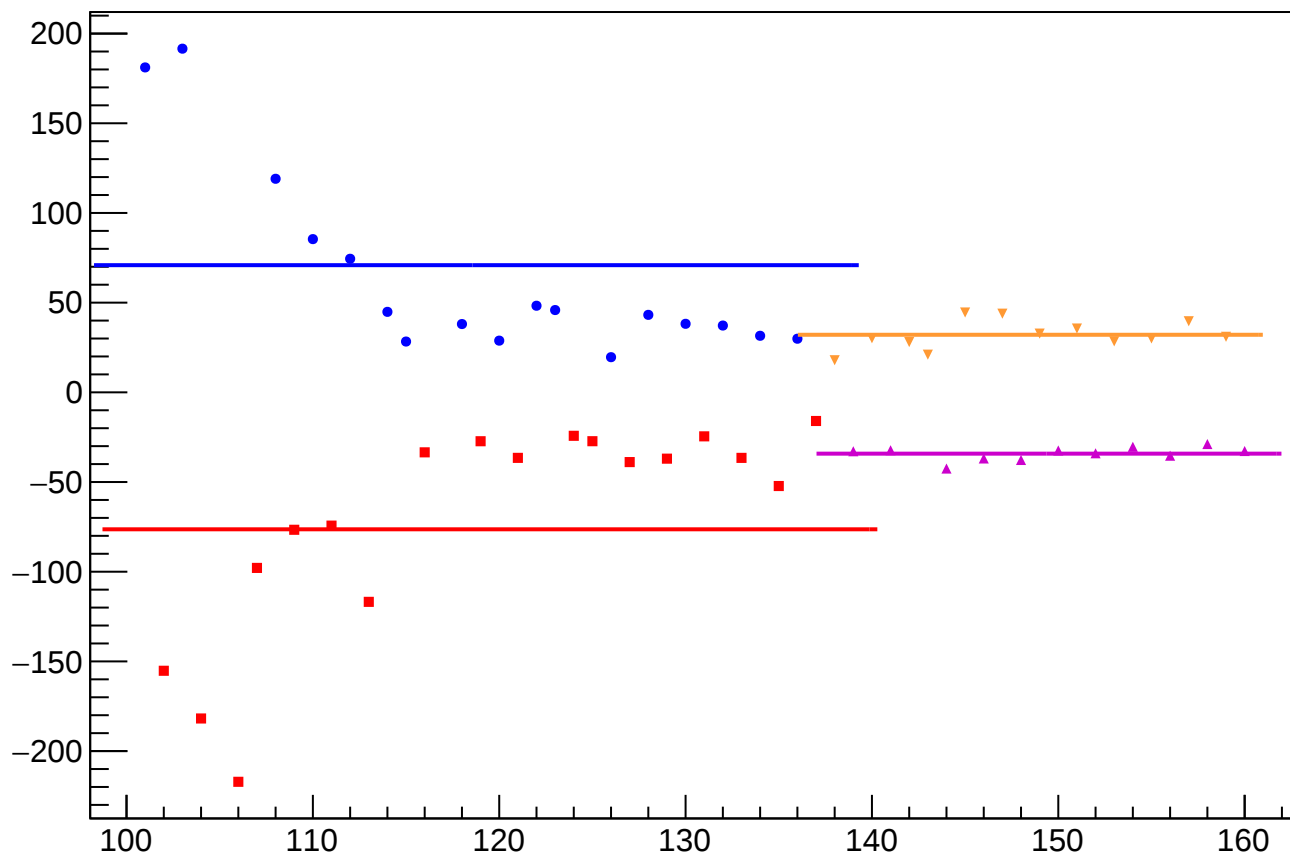
Right: 18.704 +/- 0.000 χ^2/NDF : 2053948365154779

In: -562.841 +/- 0.000 χ^2/NDF : 7898474617781587

Out: 500.465 +/- 0.000 χ^2/NDF : 6950350605404624

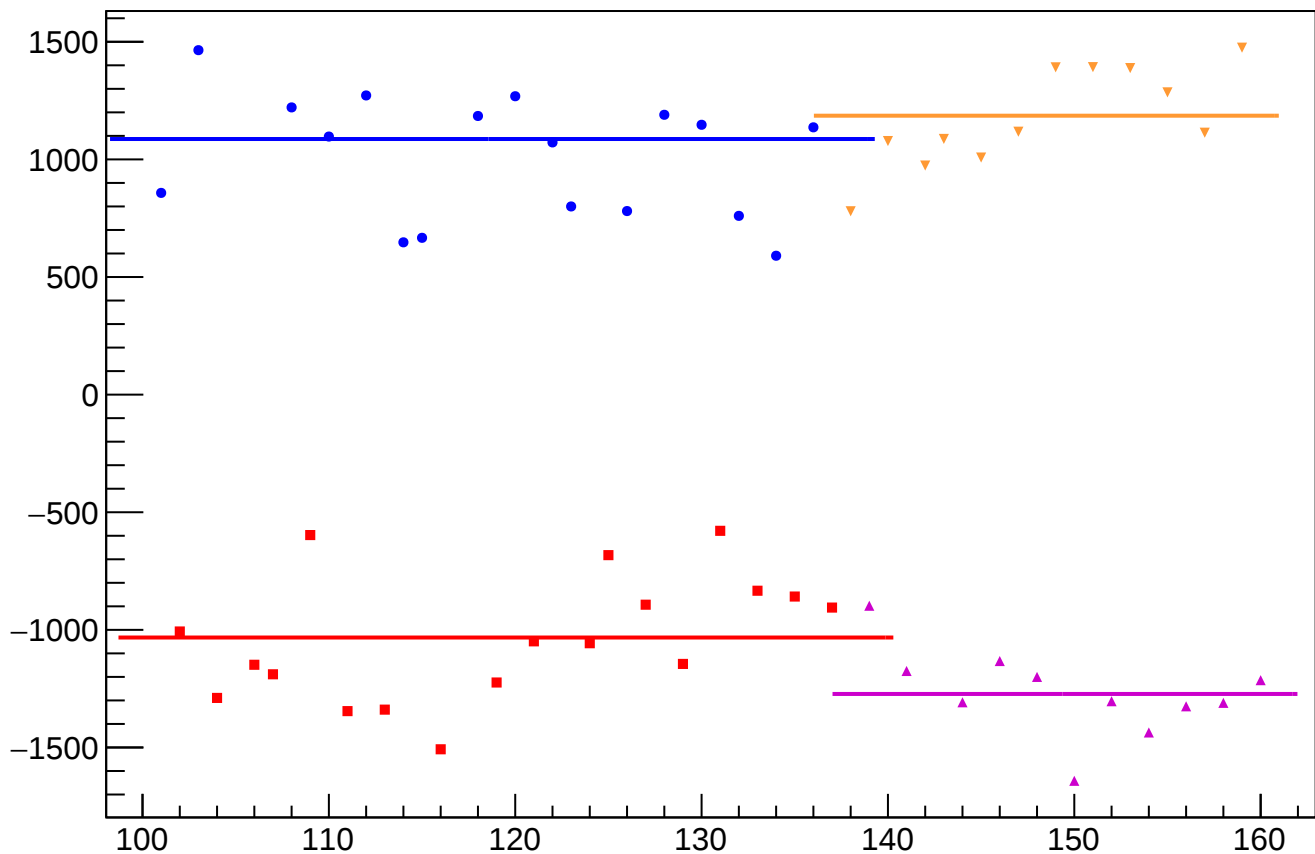
All: -31.679 +/- 0.000 χ^2/NDF : 240379233691

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



Right In: 70.892 ± 0.000 $\chi^2/\text{NDF}: 2275734493854200628376973265629872128.0/16$
 Left Out: 32.091 ± 0.000 $\chi^2/\text{NDF}: 54625109486428917738965927425212416.0/11$
 Right Out: -76.360 ± 0.000 $\chi^2/\text{NDF}: 2382375226603203691068269213188620288.0/17$
 Left In: -34.184 ± 0.000 $\chi^2/\text{NDF}: 12426918146189706802189676664848384.0/10$
 All: -2.498 ± 0.000 $\chi^2/\text{NDF}: 1438817264667$

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

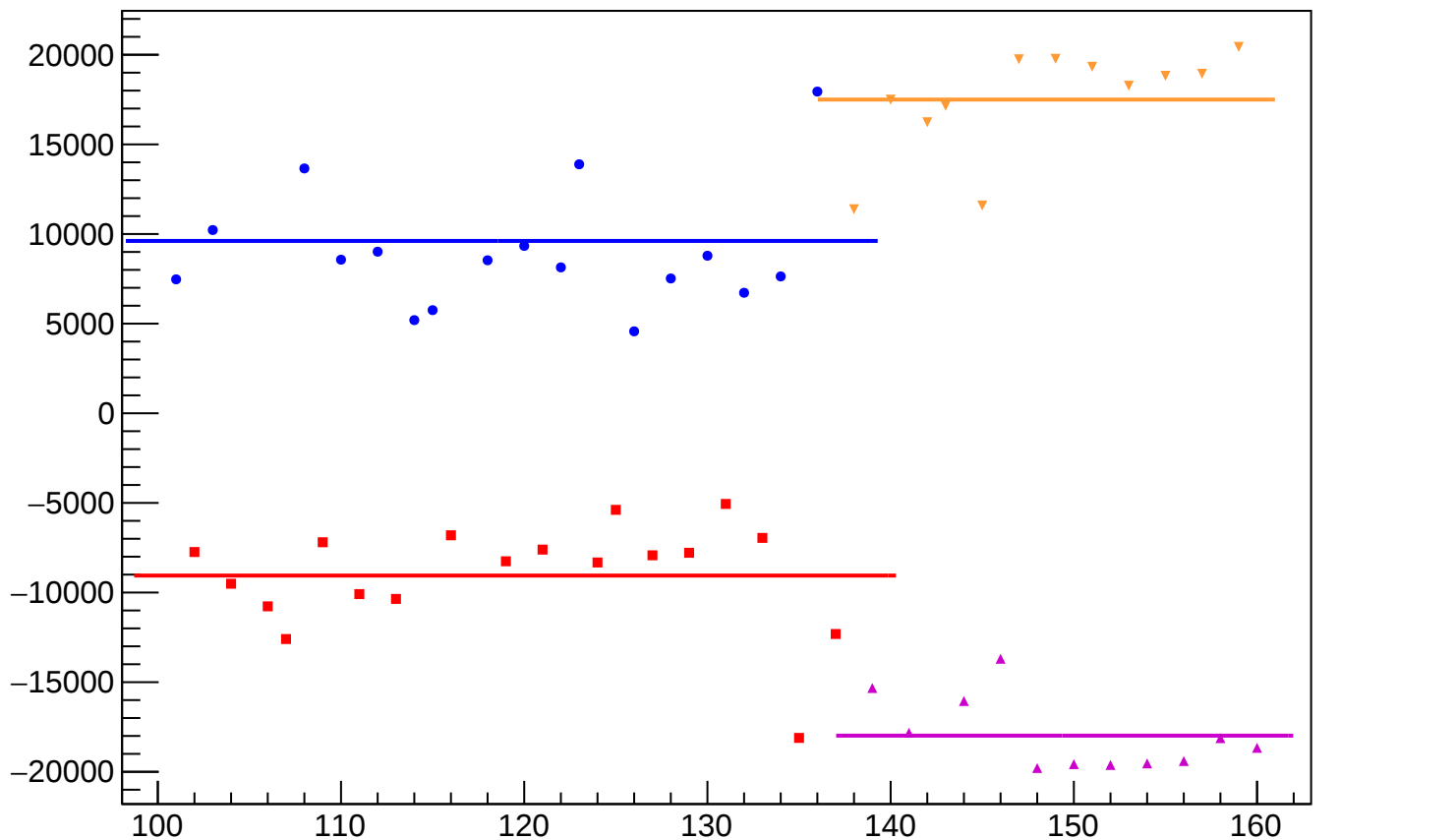
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

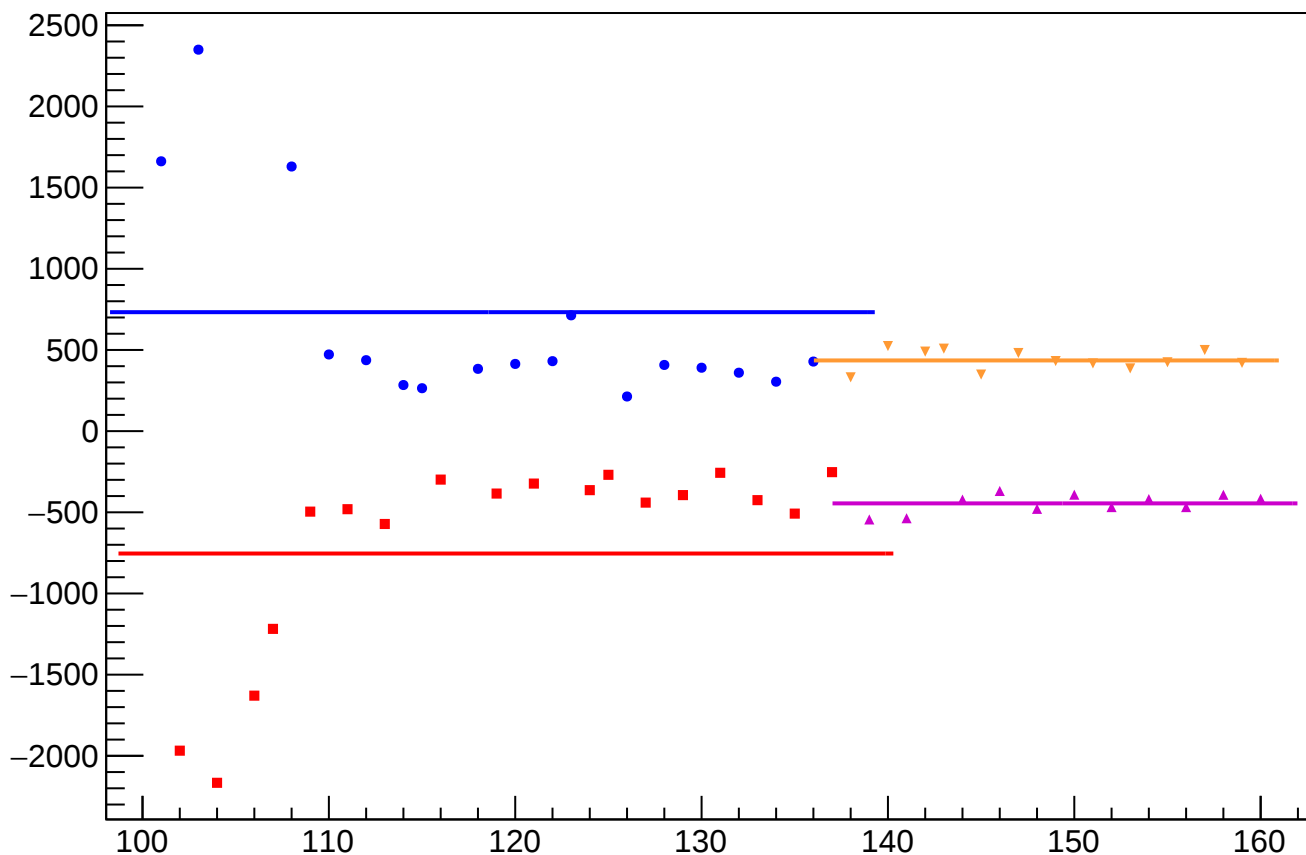
All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam2_coil3_mean vs Slug, Sign Corrected



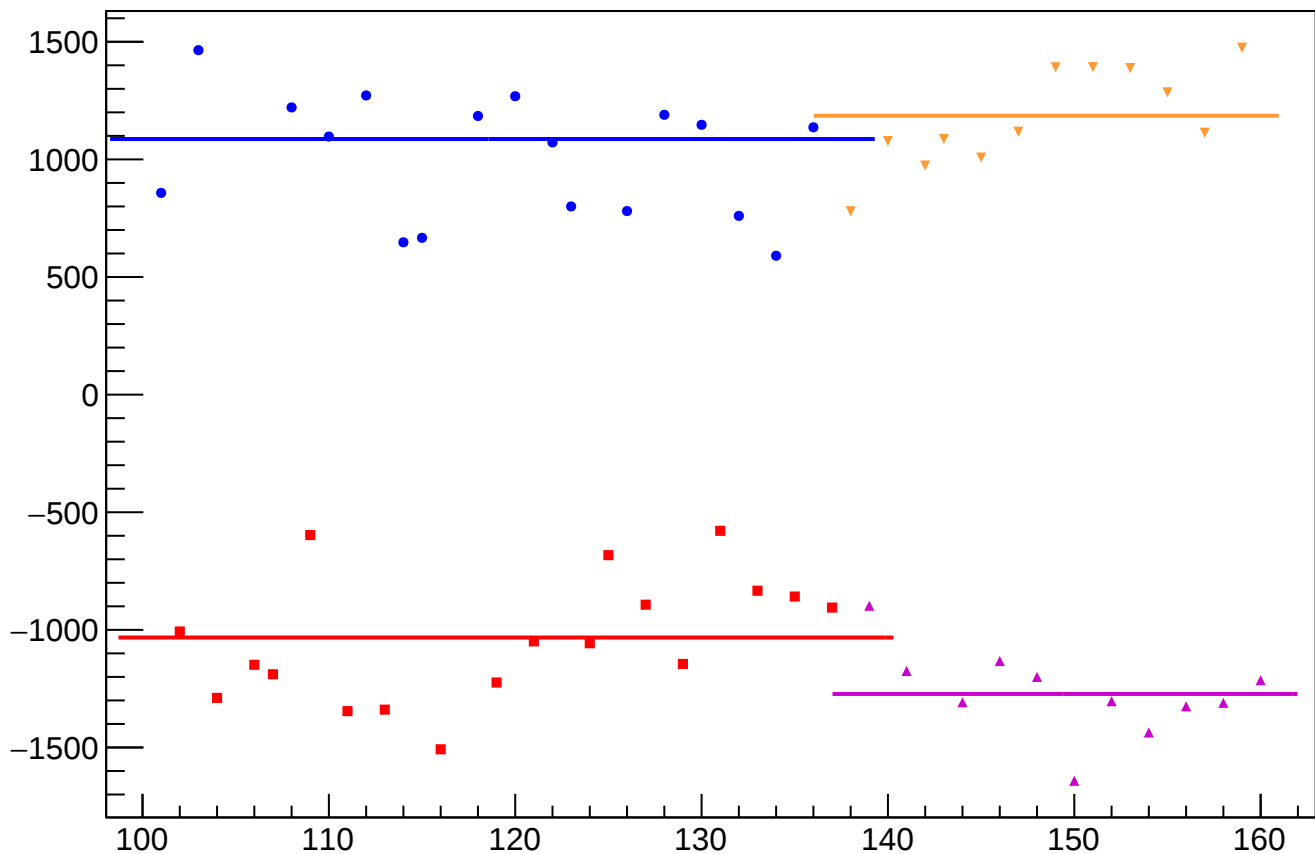
Right In: 9614.932 $\pm$ 0.000 χ^2 /NDF: 9450588438014082769578324832201526476800.0/16
 Left Out: 17500.786 $\pm$ 0.000 χ^2 /NDF: 7846813012026023217295297642858706632704.0/11
 Right Out: -9052.441 $\pm$ 0.000 χ^2 /NDF: 6723672544856808135538254172135519944704.0/17
 Left In: -17983.189 $\pm$ 0.000 χ^2 /NDF: 3584595715288567917039077291852254150656.0/10
 All: -206.039 $\pm$ 0.000 χ^2 /NDF: 73035158648

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



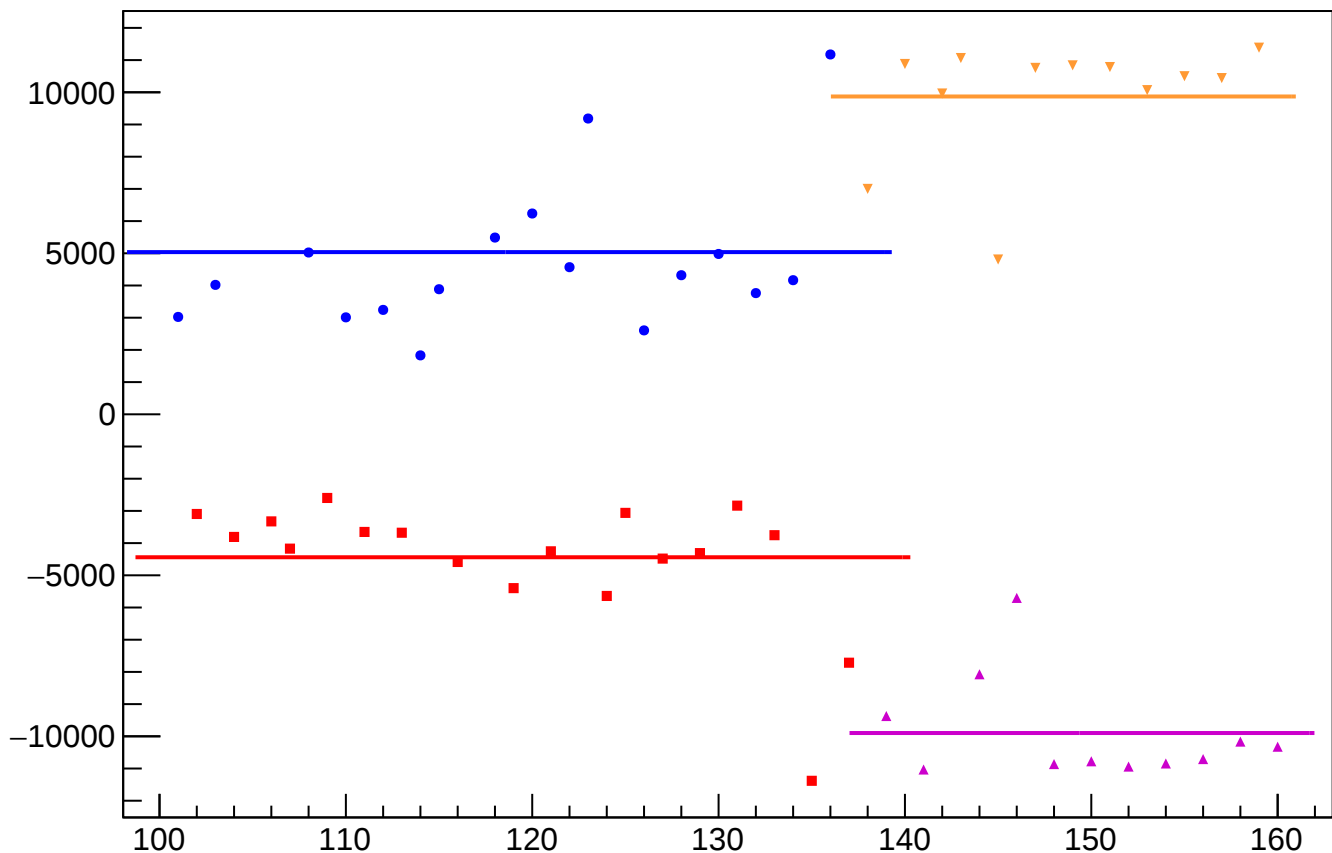
Right In: 732.742 $\pm$ 0.000 χ^2 /NDF: 301740459340268060292037793871684435968.0/16
 Left Out: 435.461 $\pm$ 0.000 χ^2 /NDF: 3296772866704872156721083756341886976.0/11
 Right Out: -753.888 $\pm$ 0.000 χ^2 /NDF: 288199108578840040054796930815893700608.0/17
 Left In: -445.056 $\pm$ 0.000 χ^2 /NDF: 2842998762330216596366474874240106496.0/10
 All: -15.352 $\pm$ 0.000 χ^2 /NDF: 173147179684

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



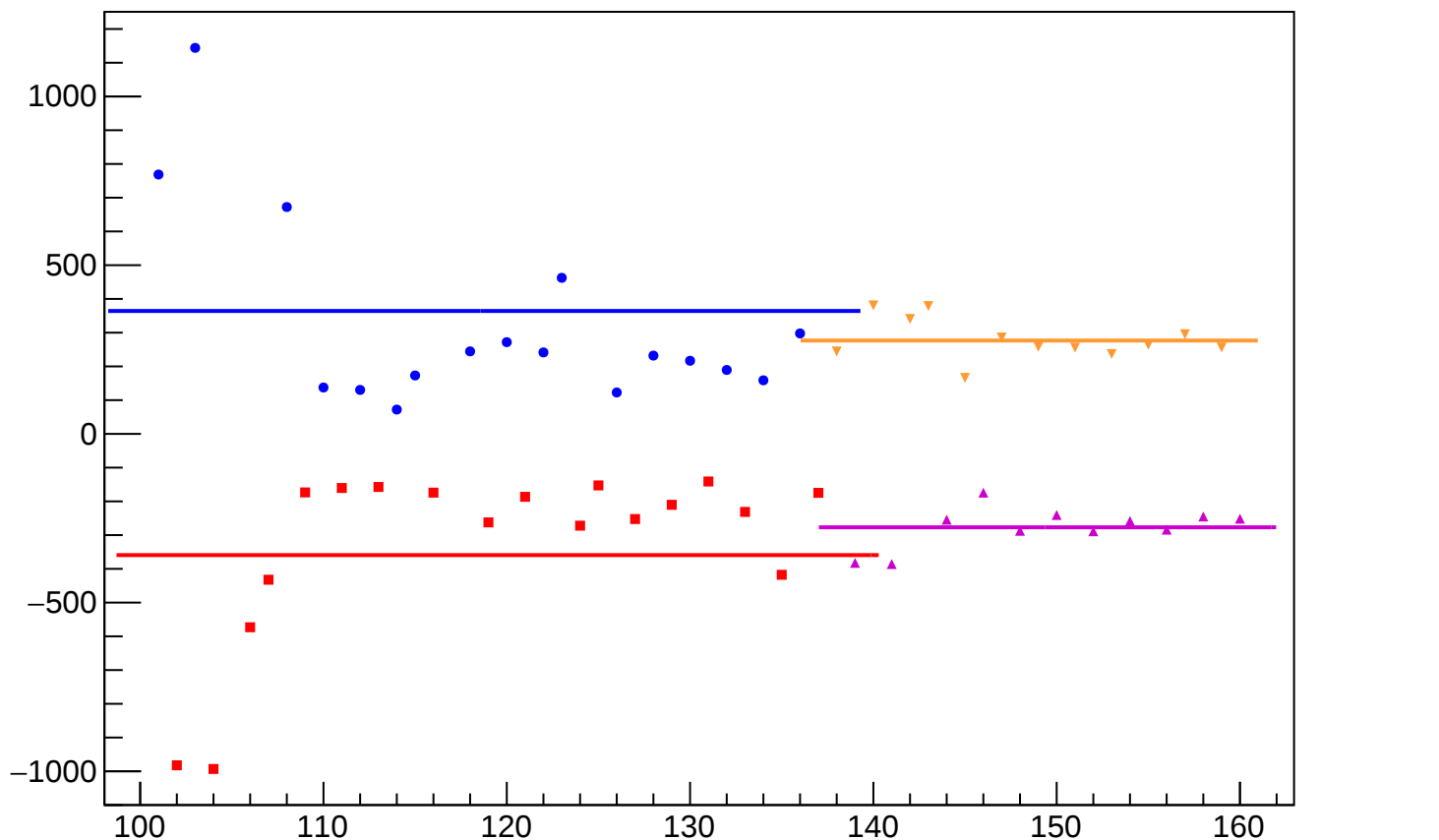
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam3_coil3_mean vs Slug, Sign Corrected



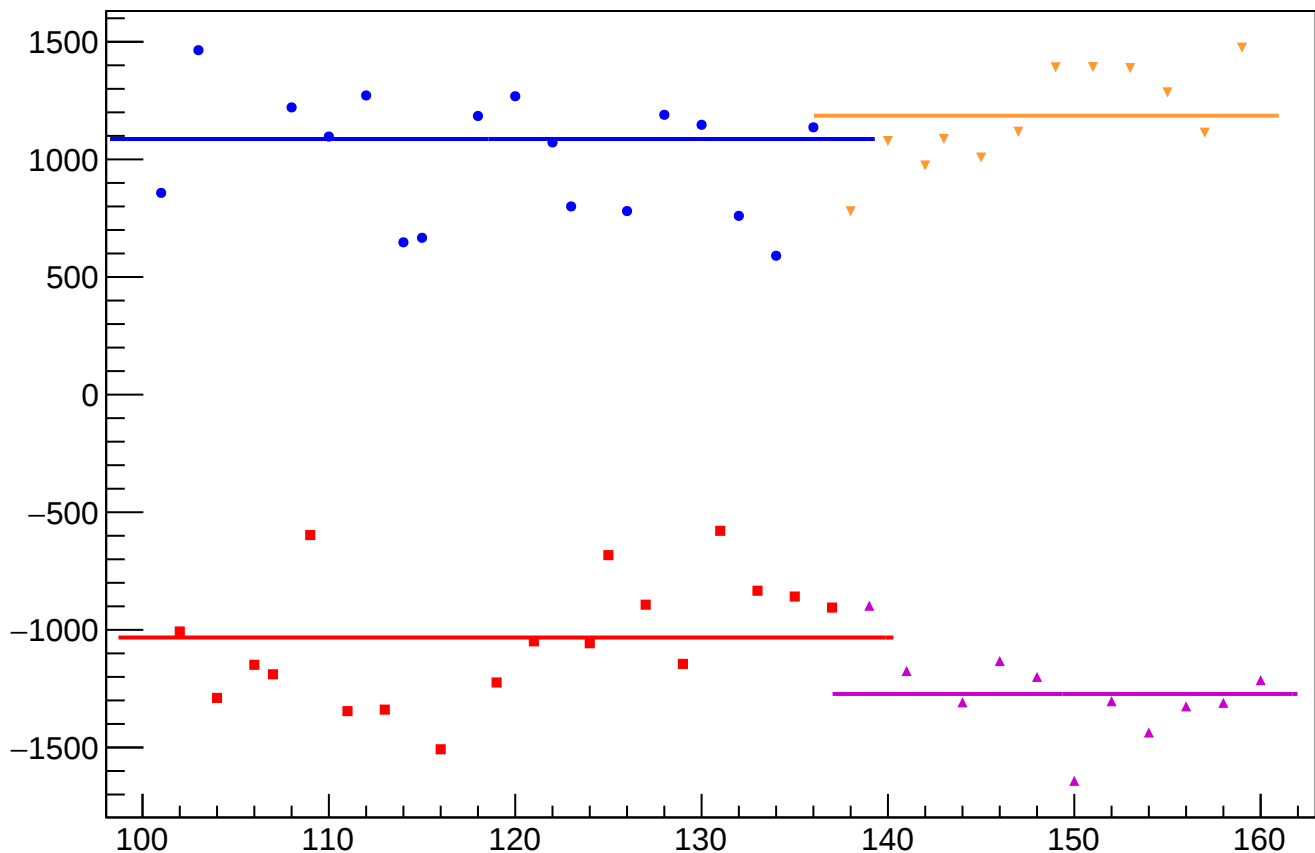
Left: -142.751 ± 0.000 $\chi^2/\text{NDF}: 185463079567203$
 Right In: 5037.073 ± 0.000 $\chi^2/\text{NDF}: 4548828903802726251449084375770641465344.0/16$
 Left Out: 9869.728 ± 0.000 $\chi^2/\text{NDF}: 3268331225481673138710181152096956448768.0/11$
 Right Out: -4439.378 ± 0.000 $\chi^2/\text{NDF}: 3162947435976288372848793793706623762432.0/17$
 Left In: -9897.674 ± 0.000 $\chi^2/\text{NDF}: 2284840032345360361829819012042190749696.0/10$
 All: 18.033 ± 0.000 $\chi^2/\text{NDF}: 2249108527212$

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



Left: -3.700 +/- 0.000 χ^2/NDF : 14733086249937499
 Right: -2.895 +/- 0.000 χ^2/NDF : 3070385632196005
 In: -3.394 +/- 0.000 χ^2/NDF : 230568672099103890
 Out: -3.308 +/- 0.000 χ^2/NDF : 22380126507815765
 All: -3.351 +/- 0.000 χ^2/NDF : 4543699433082

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

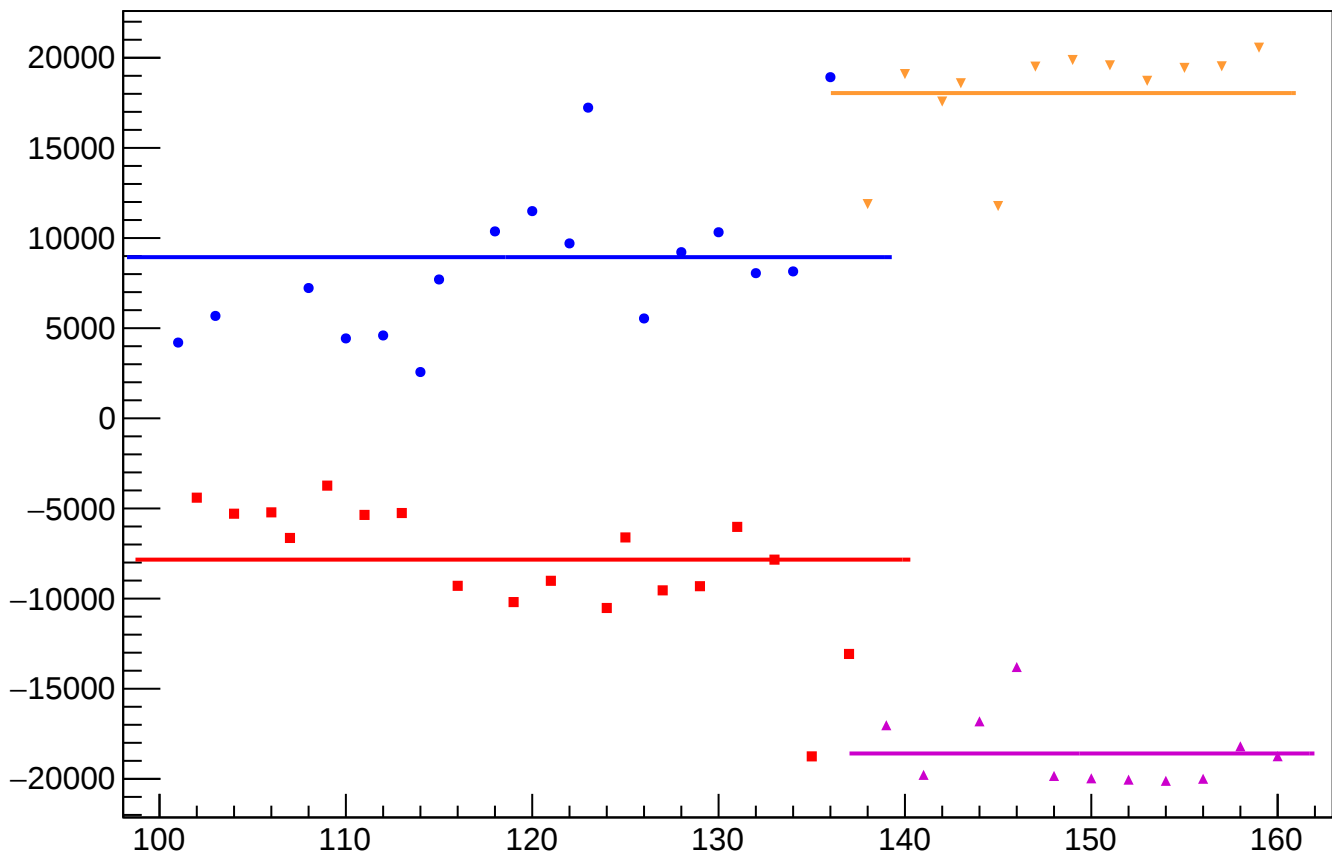
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

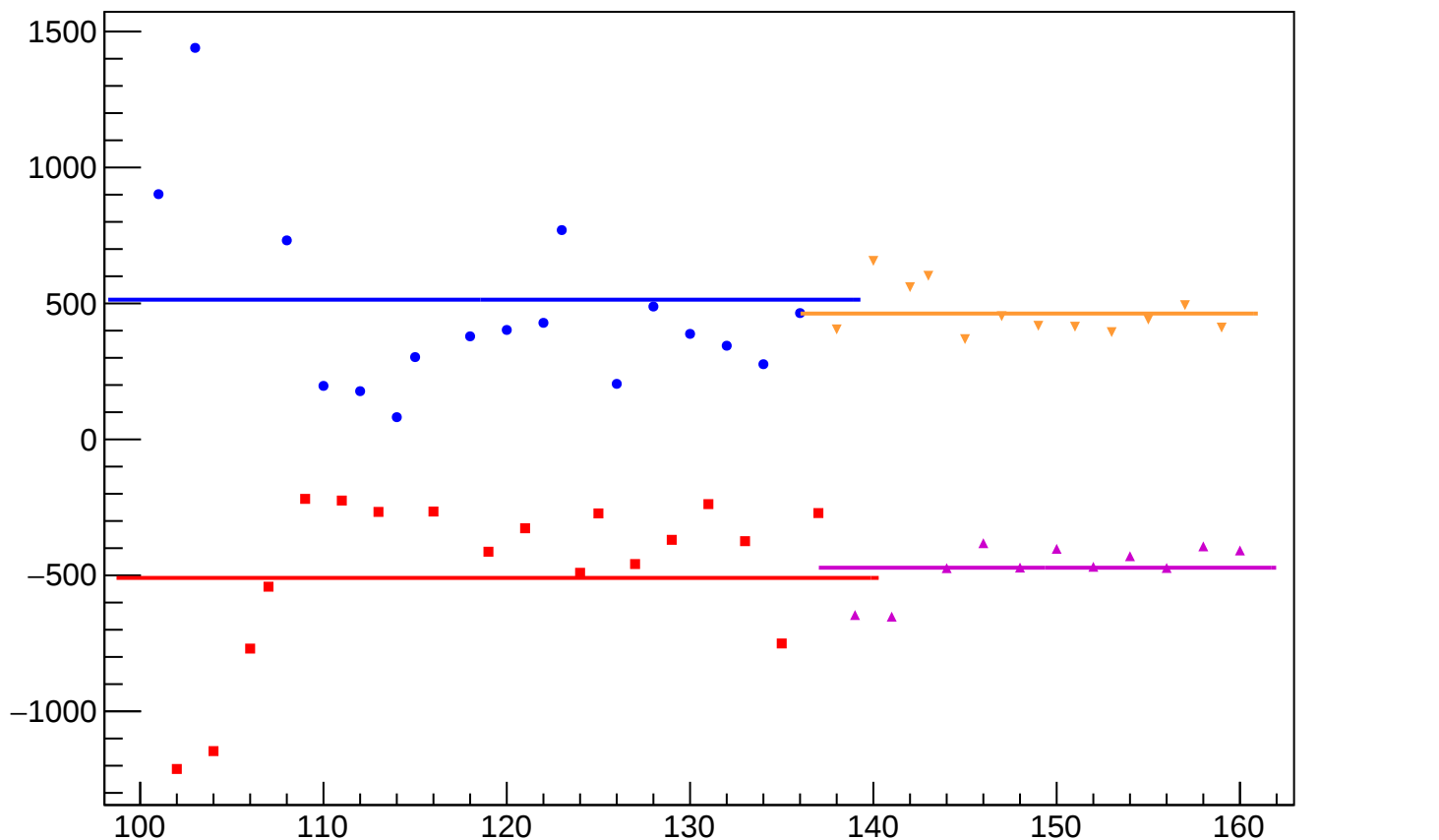
All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam4_coil3_mean vs Slug, Sign Corrected



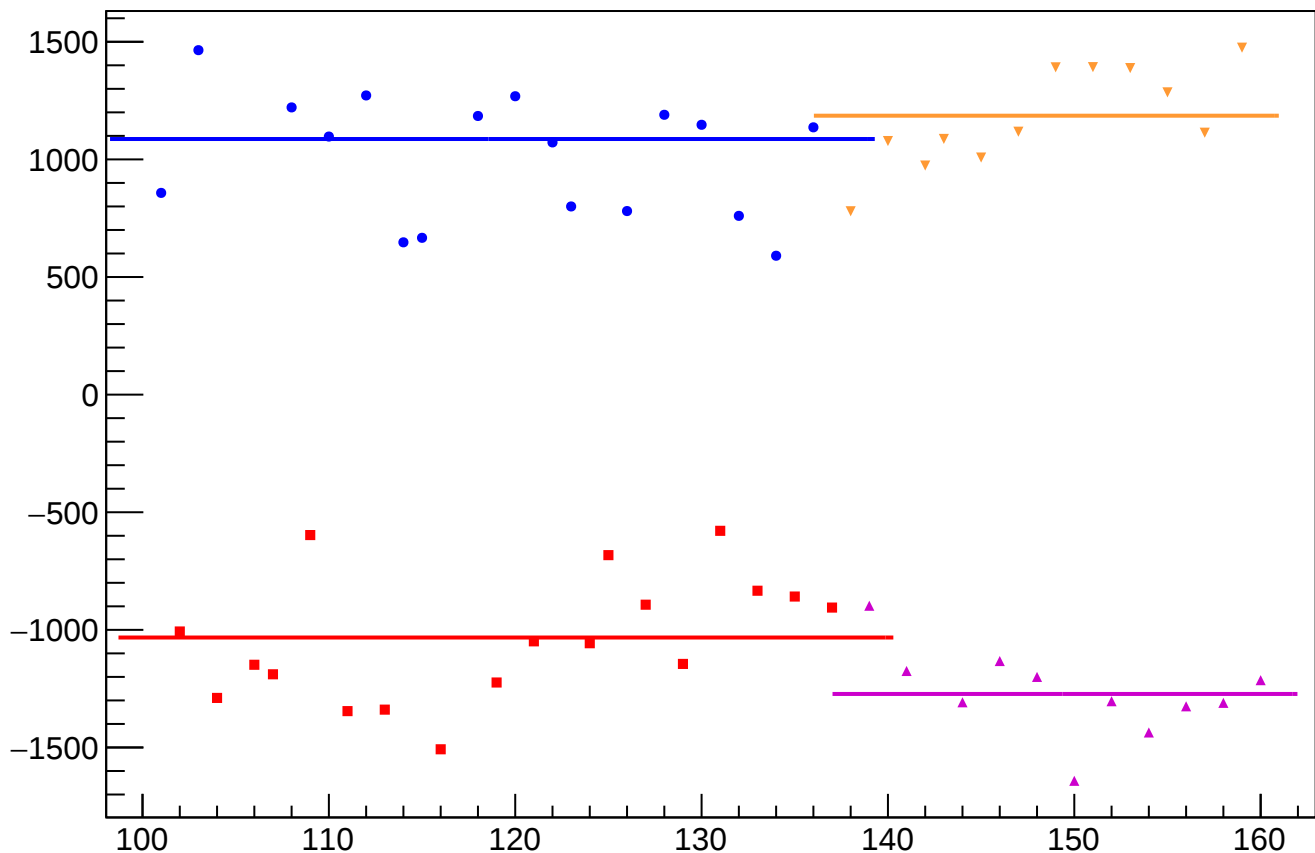
Right In: 8940.709 $\pm$ 0.000 χ^2 /NDF: 14252298982323079680975069701388839682048.0/16
 Left Out: 18042.230 $\pm$ 0.000 χ^2 /NDF: 7640646522897487857135230772113708154880.0/11
 Right Out: -7838.226 $\pm$ 0.000 χ^2 /NDF: 9846913896882704140251290027429415878656.0/17
 Left In: -18591.547 $\pm$ 0.000 χ^2 /NDF: 3373827841621741048896229754913272365056.0/10
 All: -106.123 $\pm$ 0.000 χ^2 /NDF: 75286778977

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



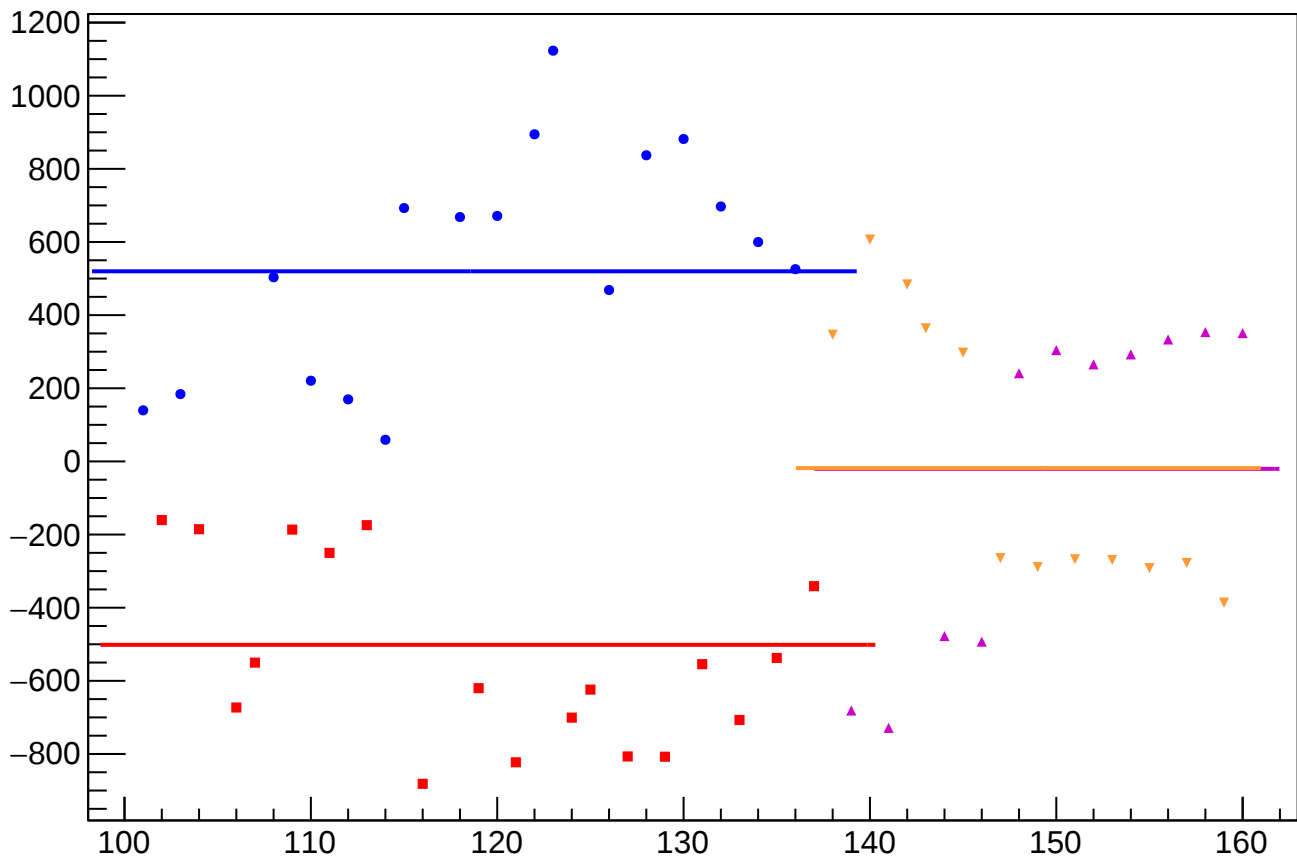
Right In: 513.843 +/- 0.000 χ^2/NDF : 82523650579604289792107532326249955328.0/16
 Left Out: 462.844 +/- 0.000 χ^2/NDF : 6830648525623684817395137022896635904.0/11
 Right Out: -509.362 +/- 0.000 χ^2/NDF : 75678926781858707627162203023281750016.0/17
 Left In: -471.889 +/- 0.000 χ^2/NDF : 7312350507184124665031072386098659328.0/10
 All: -8.346 +/- 0.000 χ^2/NDF : 9433558408659

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



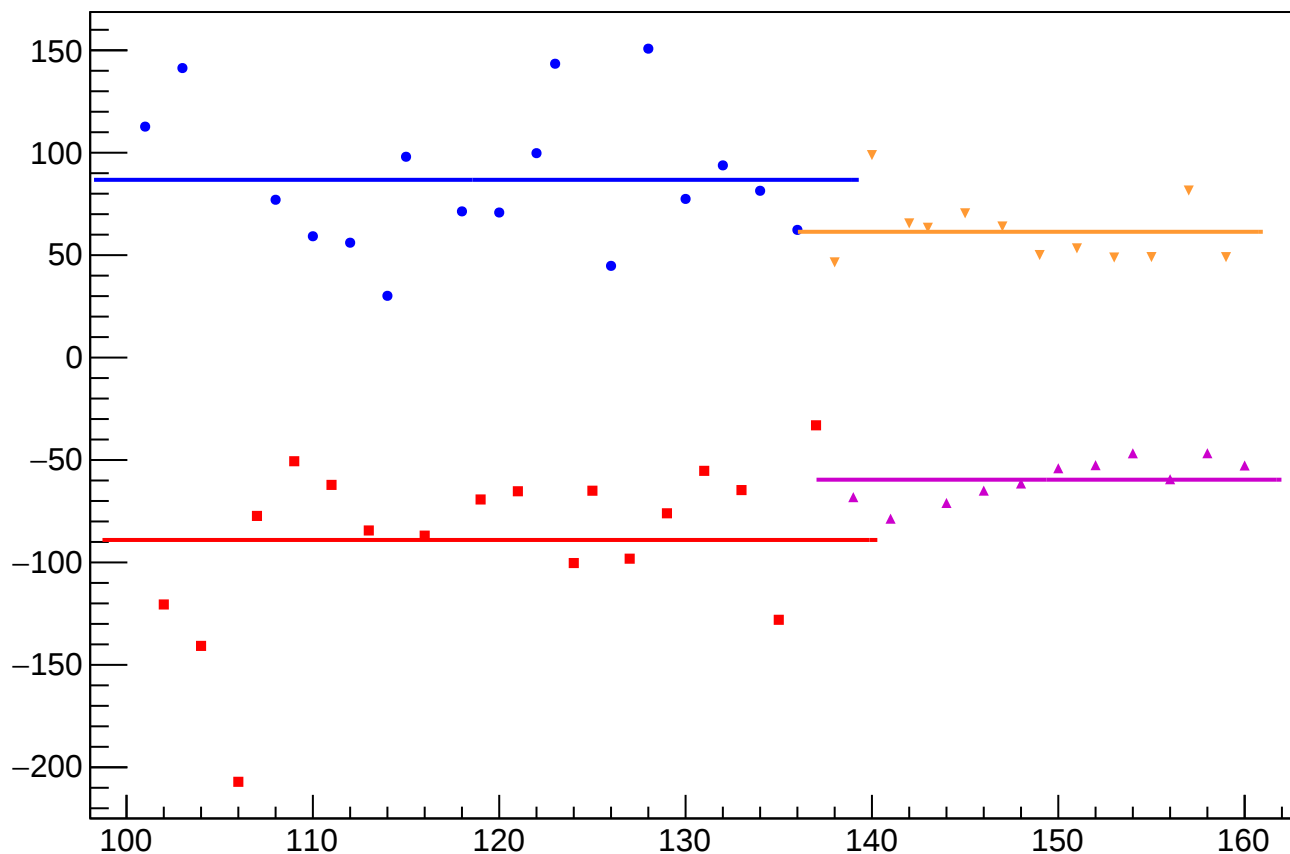
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam5_coil3_mean vs Slug, Sign Corrected



Left: -19.300 ± 0.000 $\chi^2/\text{NDF}: 2934499708996127$
 Right In: 519.845 ± 0.000 $\chi^2/\text{NDF}: 50391712122122241983004017290687545344.0/16$
 Left Out: -18.246 ± 0.000 $\chi^2/\text{NDF}: 114374265303636923998653923051335319552.0/11$
 Right Out: -501.527 ± 0.000 $\chi^2/\text{NDF}: 45593938816418547057443342639695921152.0/17$
 Left In: -20.328 ± 0.000 $\chi^2/\text{NDF}: 179073709967558112986870071766256975872.0/10$
 All: -10.264 ± 0.000 $\chi^2/\text{NDF}: 757168536747$

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 86.768+/-0.000

χ^2/NDF : 727044528904958232730586242846031872.0/16

Left Out: 61.403+/-0.000

χ^2/NDF : 223902255538930337202441578161897472.0/11

Right Out: -89.028+/-0.000

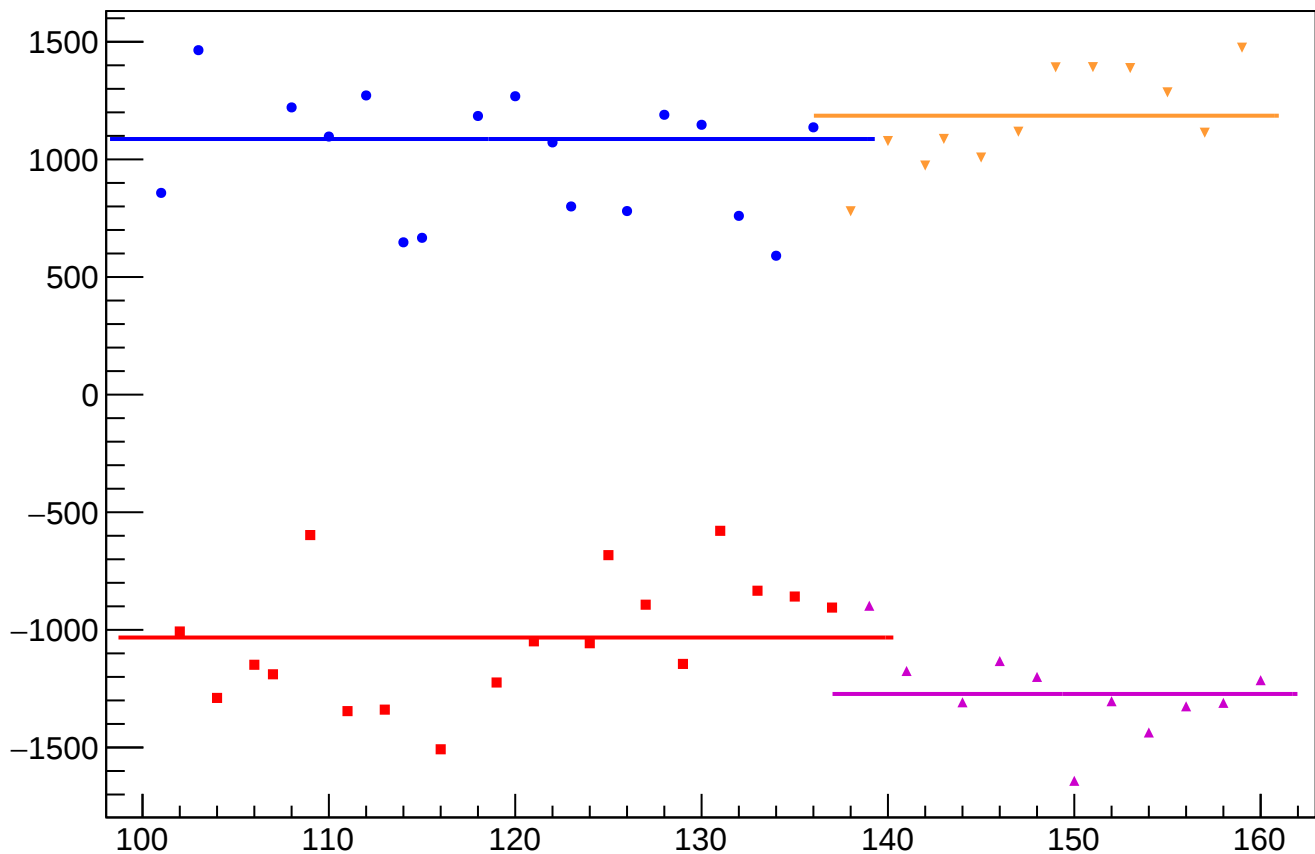
χ^2/NDF : 1014702057025769592460755223634247680.0/17

Left In: -59.611+/-0.000

χ^2/NDF : 90277020610973878591704182850322432.0/10

All: -0.997+/-0.000 χ^2/NDF : 1968732828441

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

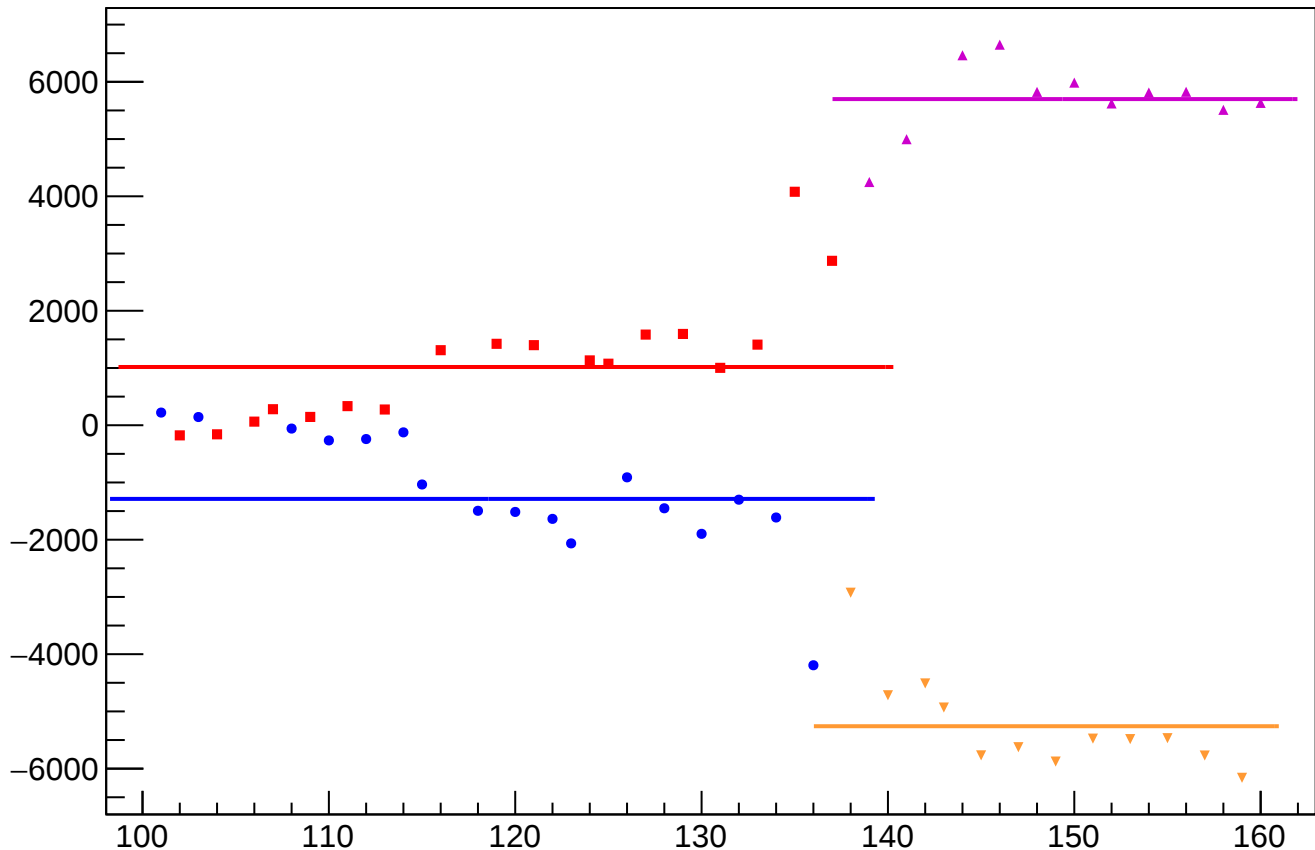
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1287.018+/-0.000

Left Out: -5258.932+/-0.000

Right Out: 1017.680+/-0.000

Left In: 5698.540+/-0.000

χ^2/NDF : 1204676715439313496734702006985495150592.0/16

χ^2/NDF : 639767885689374953846002118656698351616.0/11

χ^2/NDF : 852354346622995689266162288487263371264.0/17

χ^2/NDF : 354071828835191382316642971835621703680.0/10

Left: 291.188+/-0.000 χ^2/NDF : 5627494160155441

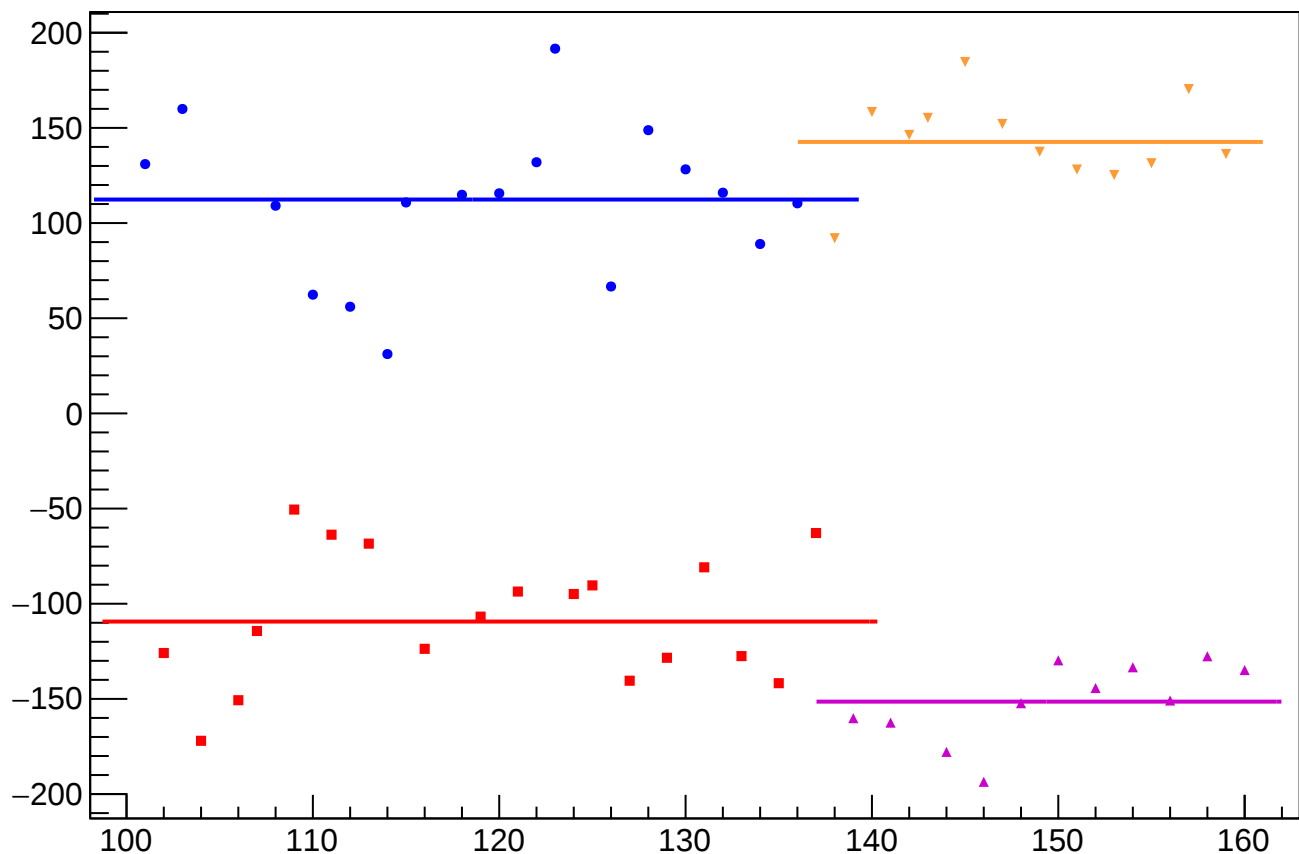
Right: -117.494+/-0.000 χ^2/NDF : 39276379731523

In: 2718.837+/-0.000 χ^2/NDF : 2097904135008849

Out: -2495.522+/-0.000 χ^2/NDF : 17258594612441

All: 114.063+/-0.000 χ^2/NDF : 603359178912

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



Right In: 112.364+/-0.000

χ^2/NDF : 704132882376699060399654305188020224.0/16

Left Out: 142.624+/-0.000

χ^2/NDF : 490075896728839516785223596523913216.0/11

Right Out: -109.364+/-0.000

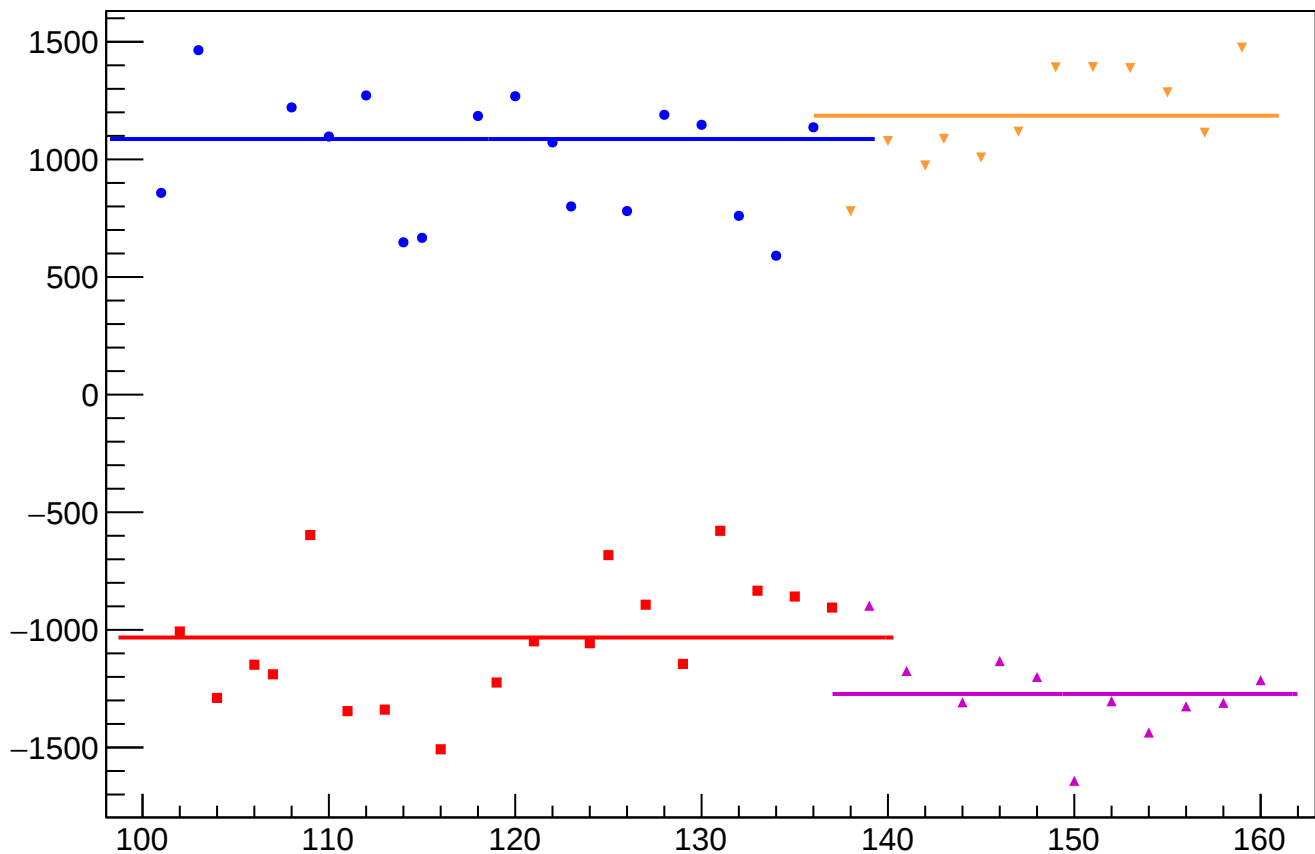
χ^2/NDF : 838845293661778137888588246433136640.0/17

Left In: -151.432+/-0.000

χ^2/NDF : 371010449971260656611055665401561088.0/10

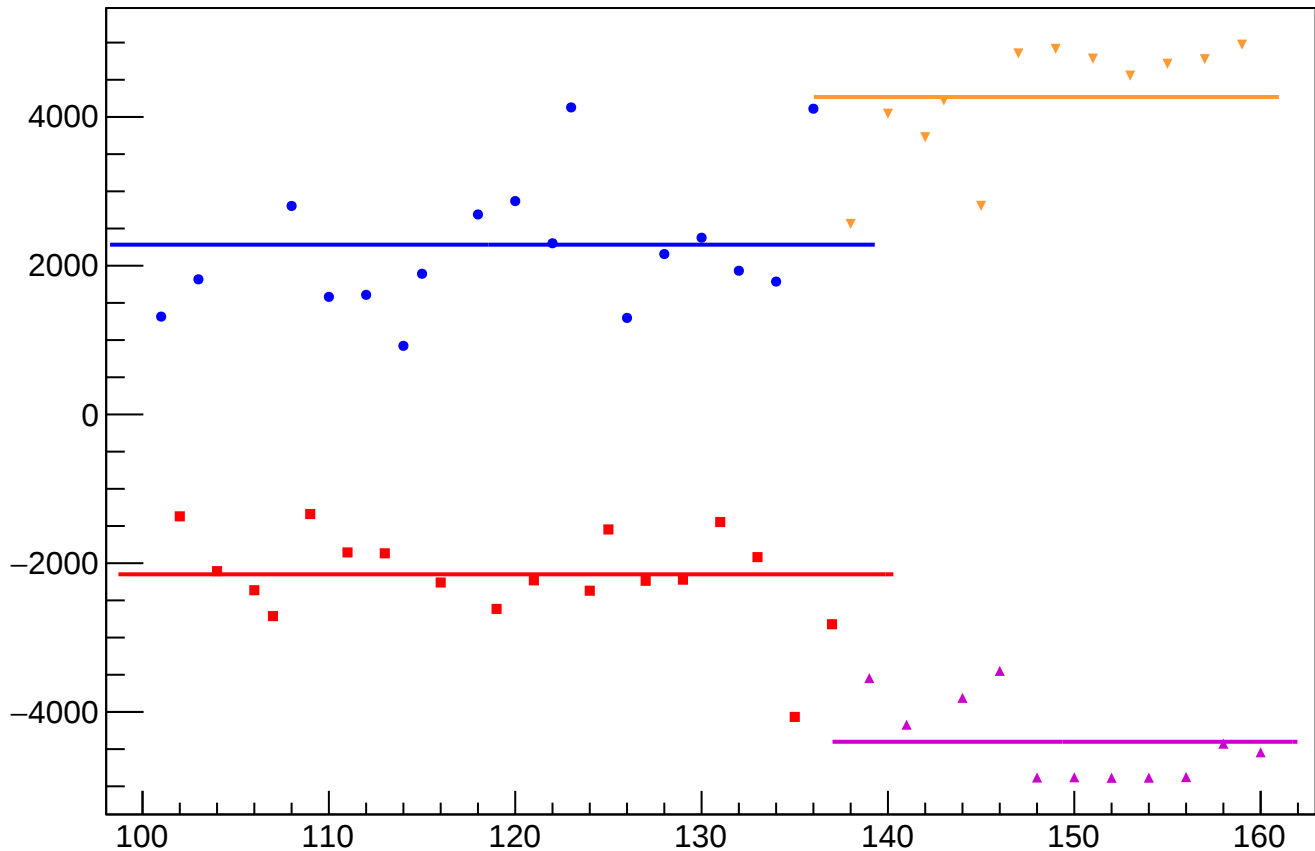
All: -3.647+/-0.000 χ^2/NDF : 5956048648863

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



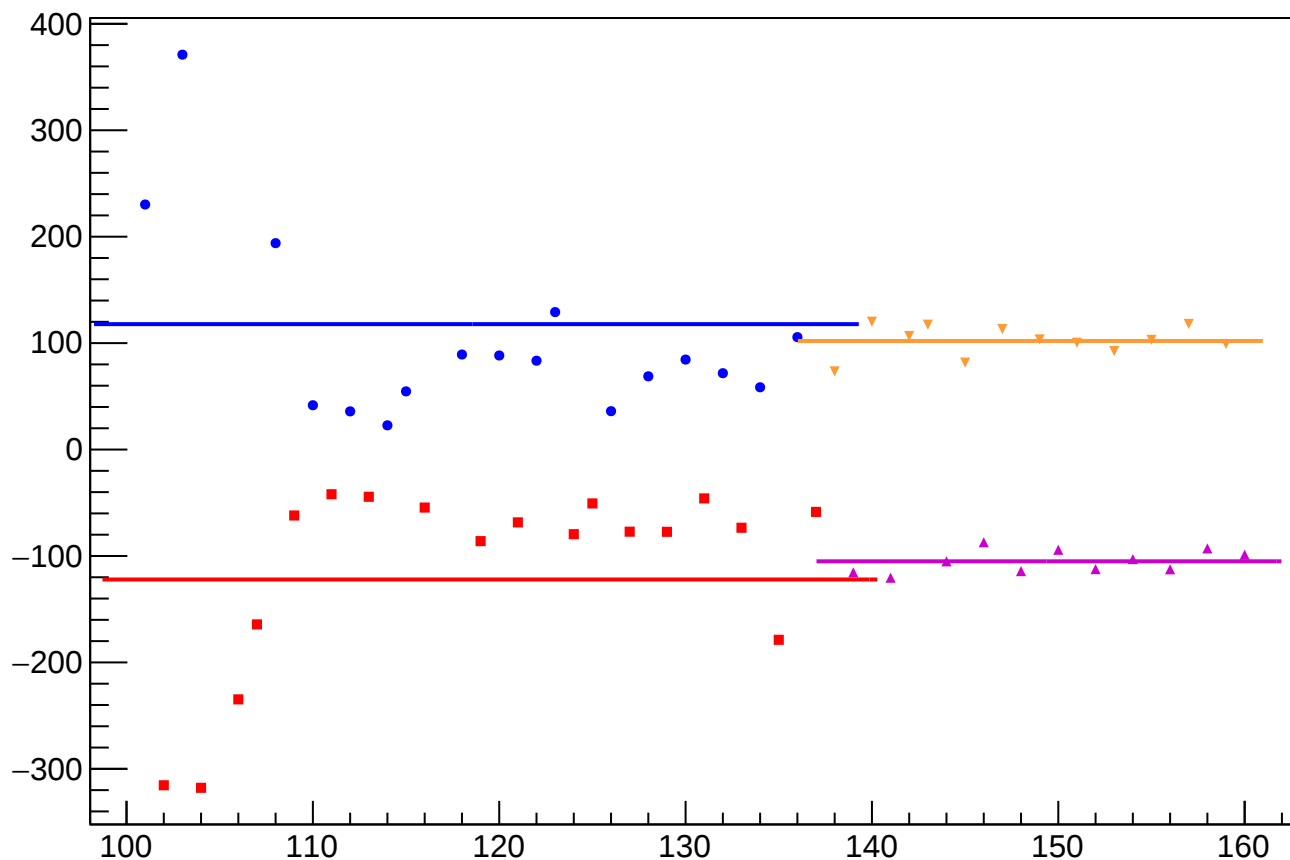
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam7_coil3_mean vs Slug, Sign Corrected



Right In: 2282.778 $\pm$ 0.000 χ^2 /NDF: 521869333583833068444115371437594771456.0/16
 Left Out: 4268.620 $\pm$ 0.000 χ^2 /NDF: 576373438836983826408088908187698200576.0/11
 Right Out: -2149.386 $\pm$ 0.000 χ^2 /NDF: 320631411360836158094549979591860027392.0/17
 Left In: -4401.016 $\pm$ 0.000 χ^2 /NDF: 271313470445828573503909403246788083712.0/10
 All: -54.917 $\pm$ 0.000 χ^2 /NDF: 432342881547

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



Right In: 117.825+/-0.000

χ^2/NDF : 6199421197695716182570916449760575488.0/16

Left Out: 102.028+/-0.000

χ^2/NDF : 177124098717282134999436009607790592.0/11

Right Out: -122.099+/-0.000

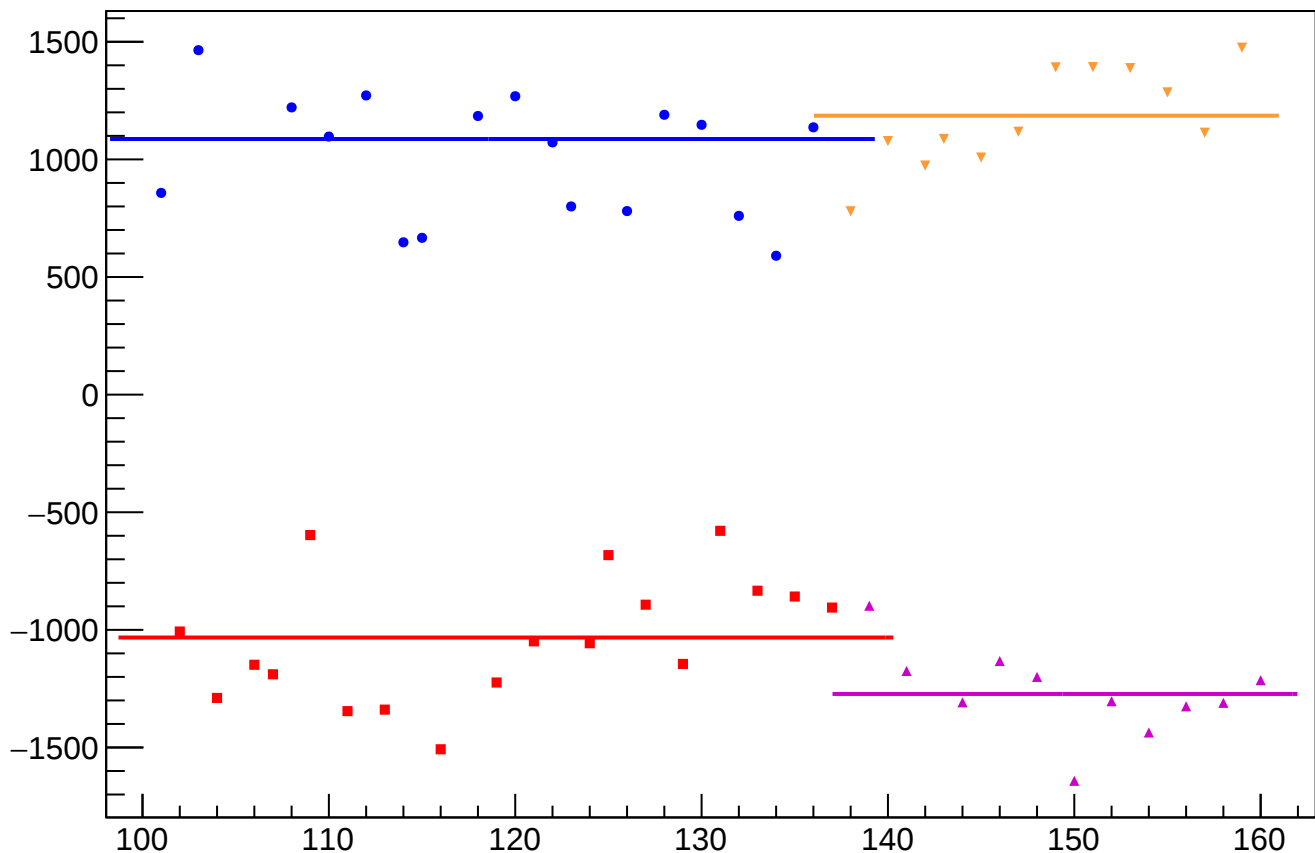
χ^2/NDF : 6546124684147045667679194482005245952.0/17

Left In: -105.016+/-0.000

χ^2/NDF : 98103905520424947900201643718737920.0/10

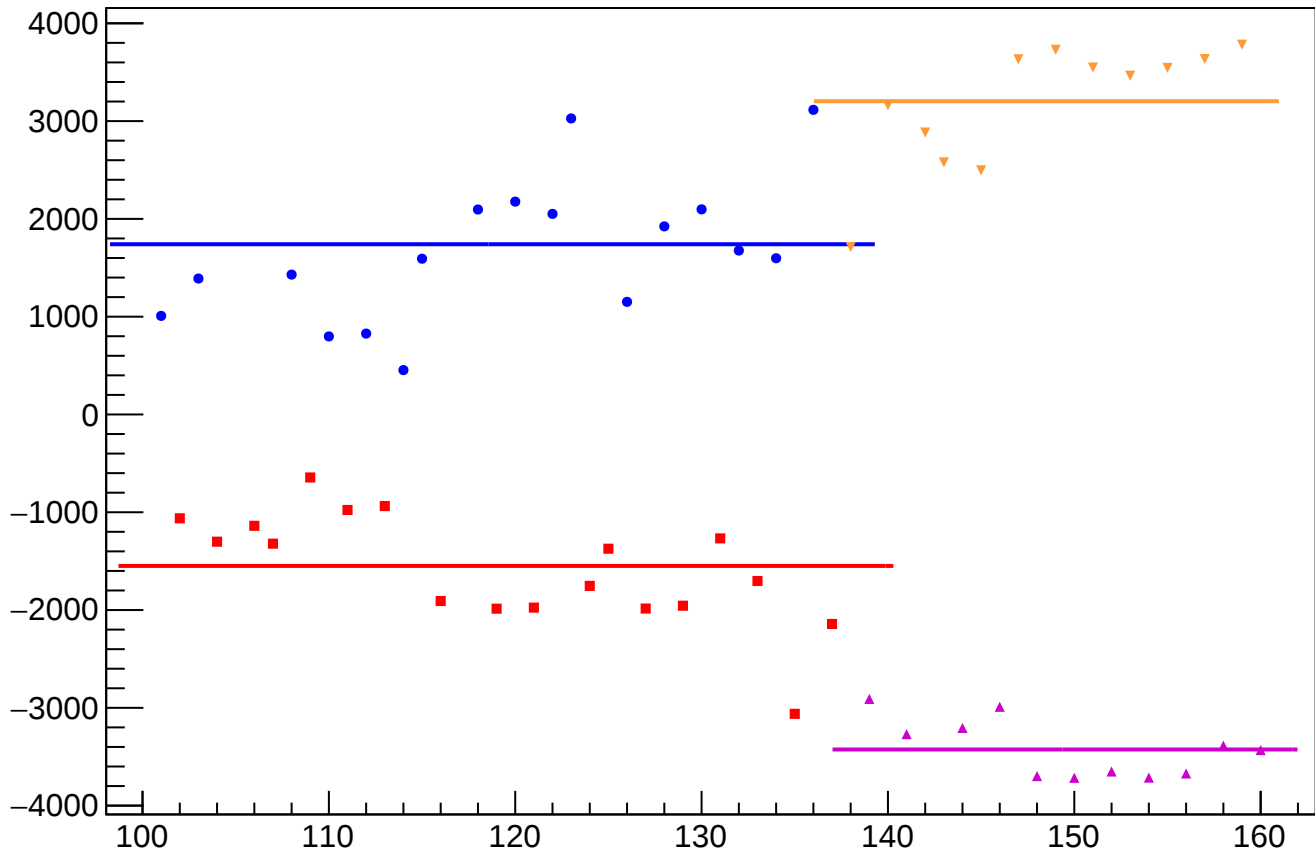
All: -3.312+/-0.000 χ^2/NDF : 5303102045081

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



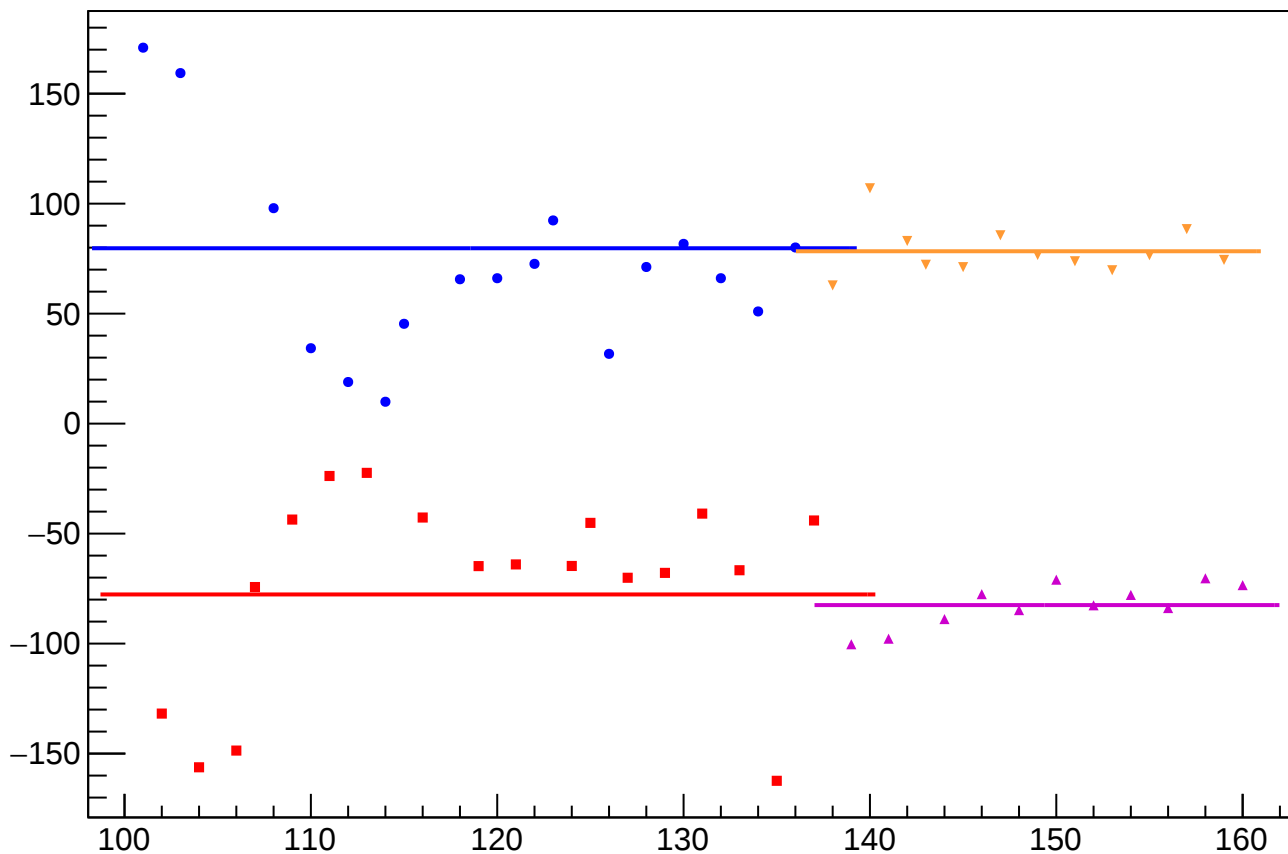
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam8_coil3_mean vs Slug, Sign Corrected



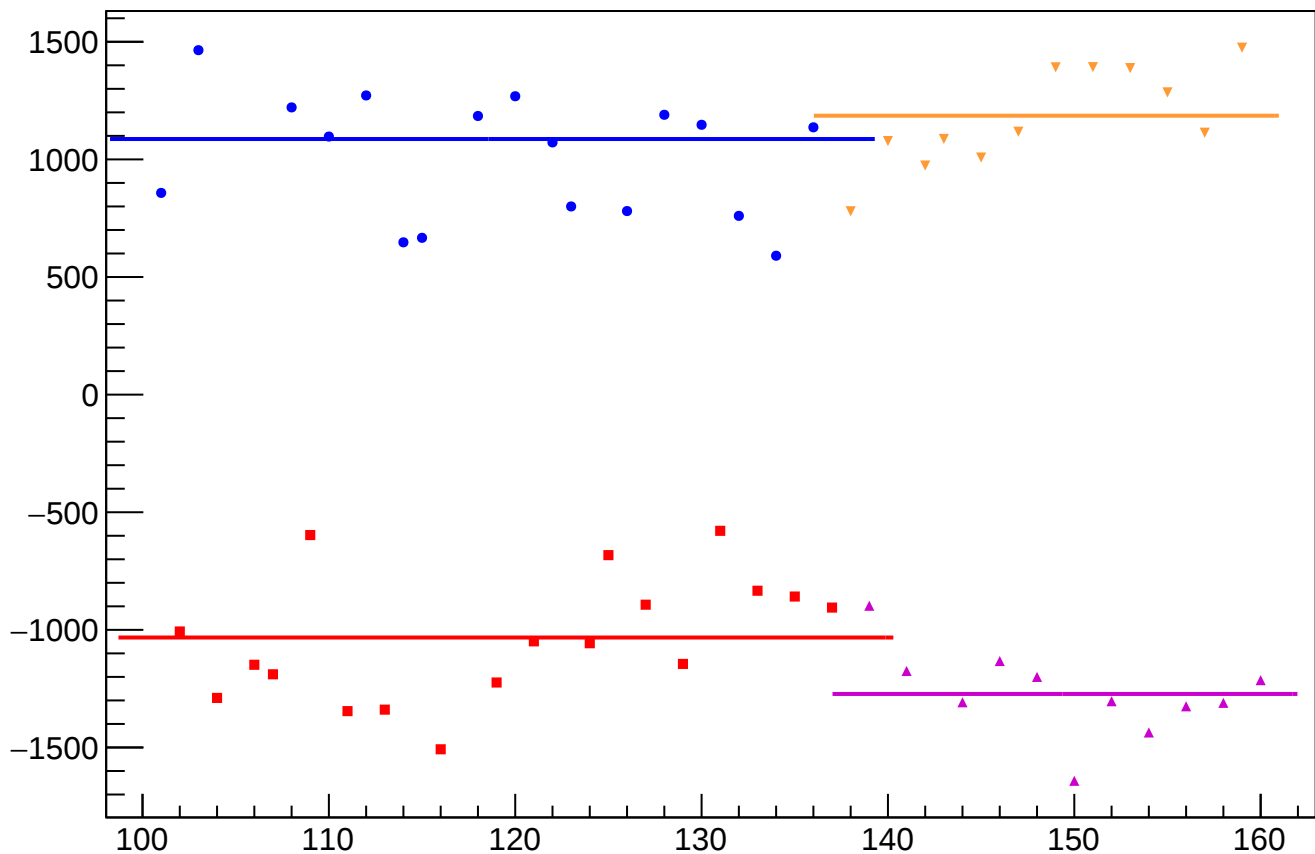
Right In: 1740.720+/-0.000 χ^2/NDF : 348962001897552007024222547428010622976.0/16
 Left Out: 3203.449+/-0.000 χ^2/NDF : 345784551251095236762093437118983438336.0/11
 Right Out: -1548.740+/-0.000 χ^2/NDF : 255013280564316736413287354207314116608.0/17
 Left In: -3426.091+/-0.000 χ^2/NDF : 74472499127256765634021143910696353792.0/10
 All: -56.566+/-0.000 χ^2/NDF : 251115987622

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



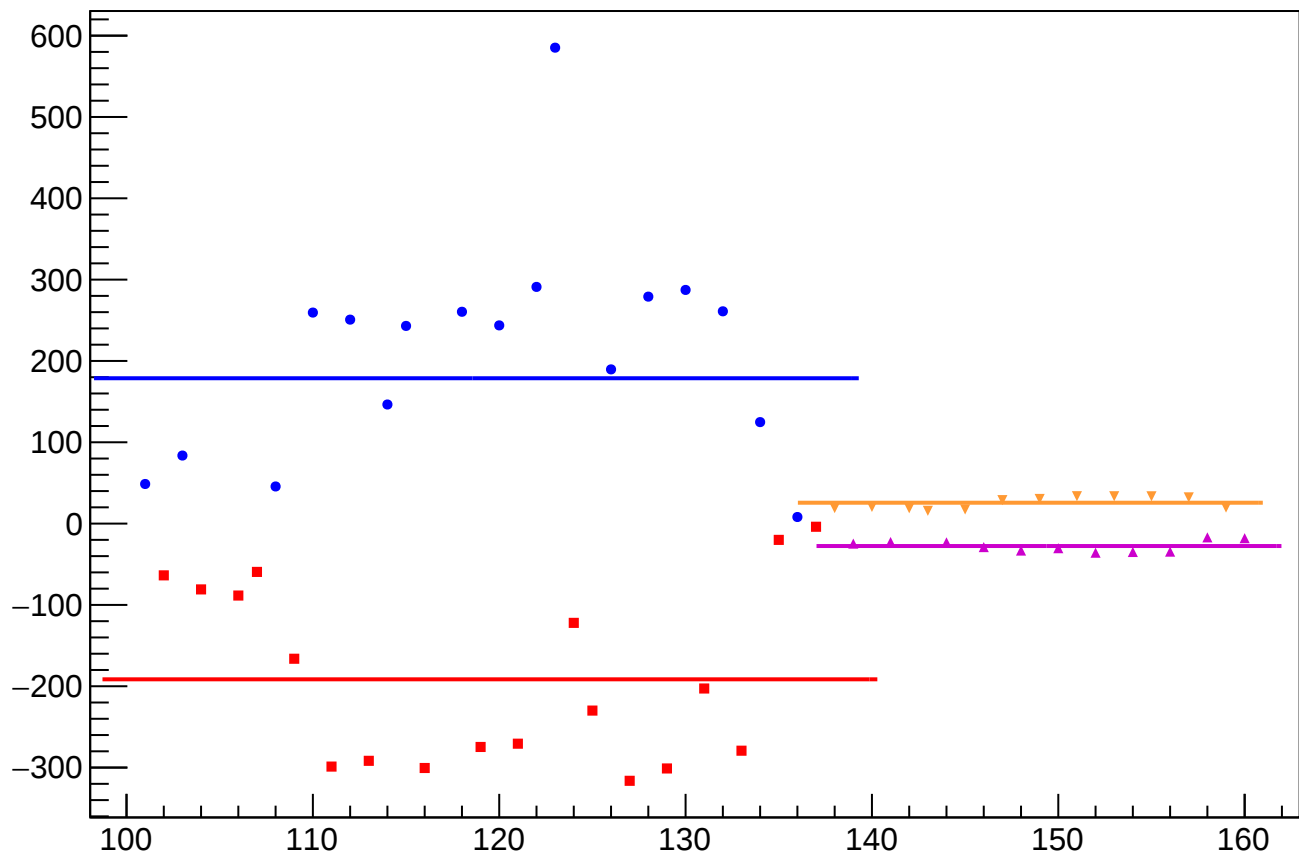
Left: -3.117 +/- 0.000 χ^2/NDF : 12111827942565008
 Right In: 79.722 +/- 0.000 χ^2/NDF : 1349884201001122025991797772619087872.0/16
 Right: -0.141 +/- 0.000 χ^2/NDF : 1155638622518713
 Left Out: 78.356 +/- 0.000 χ^2/NDF : 114896120803259231895139298203140096.0/11
 In: -13.300 +/- 0.000 χ^2/NDF : 11906717580621283
 Right Out: -77.658 +/- 0.000 χ^2/NDF : 1483793243606577649503828870787235840.0/17
 Out: 9.667 +/- 0.000 χ^2/NDF : 113398223986127251
 Left In: -82.494 +/- 0.000 χ^2/NDF : 84649934677405665053102578448990208.0/10
 All: -1.827 +/- 0.000 χ^2/NDF : 2367528402707

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_4aX_coil7_mean vs Slug, Sign Corrected



Right In: 178.734+/-0.000

χ^2/NDF : 8494804765562228204327834177712947200.0/16

Left Out: 25.670+/-0.000

χ^2/NDF : 43615942339742127541727339141398528.0/11

Right Out: -191.483+/-0.000

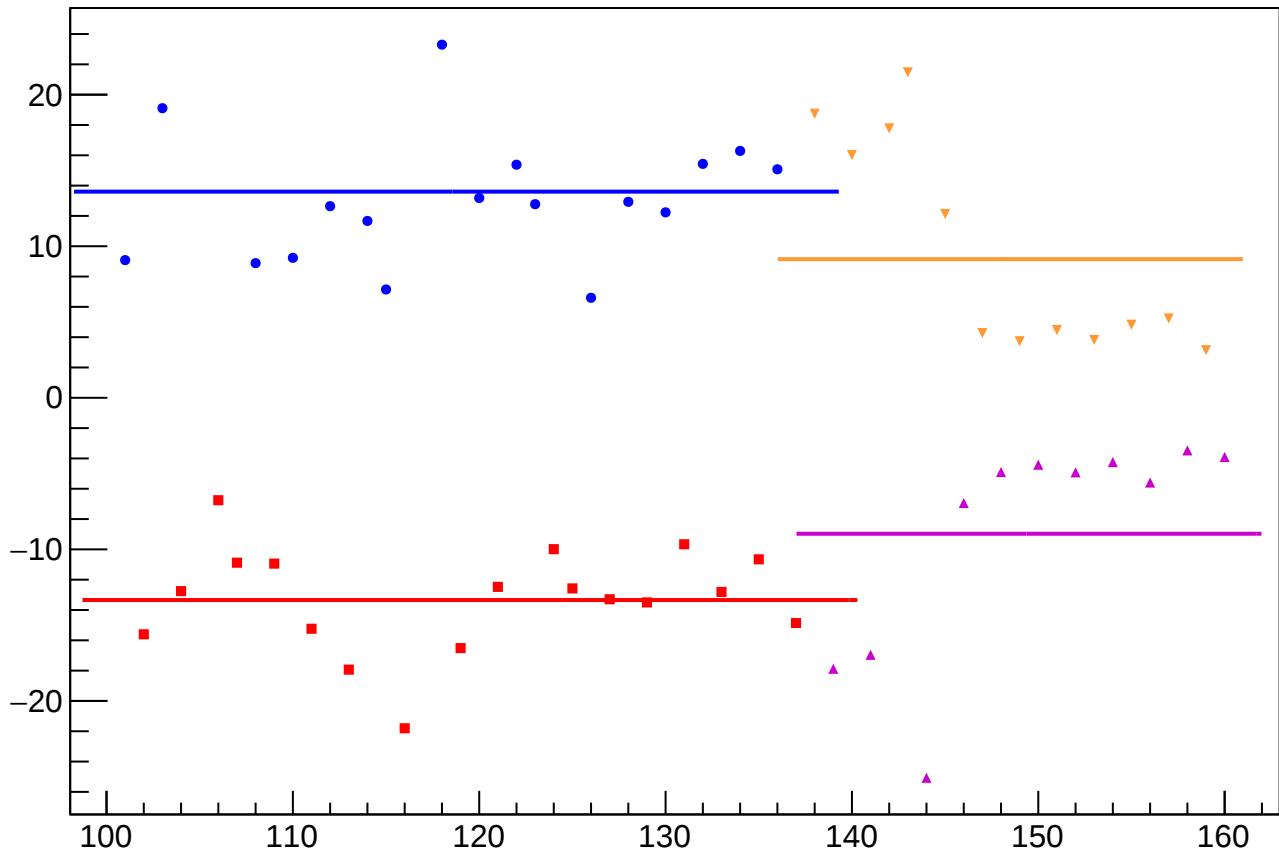
χ^2/NDF : 8150461362250913614126902389436841984.0/17

Left In: -27.579+/-0.000

χ^2/NDF : 39364281565589269782784177585782784.0/10

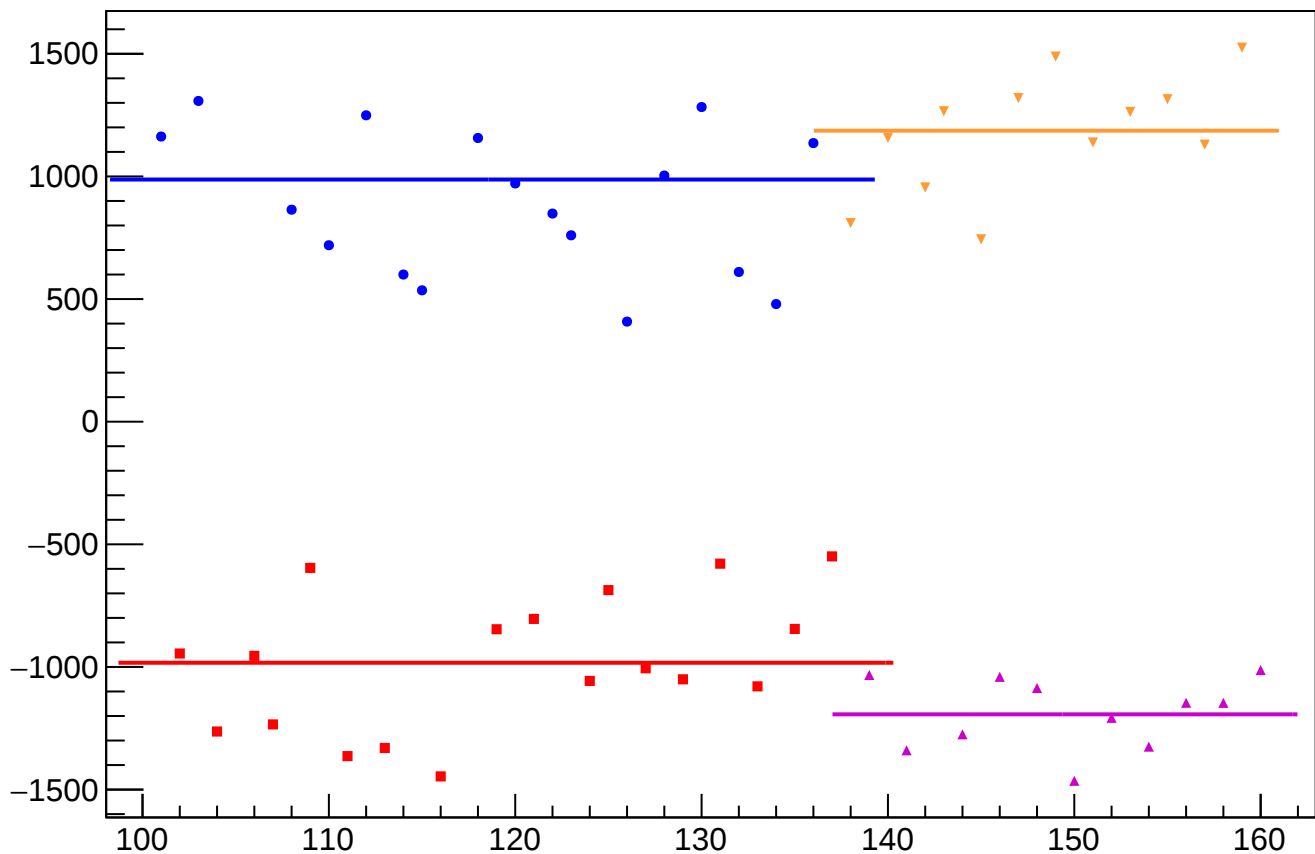
All: -4.696+/-0.000 χ^2/NDF : 6635167668479

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



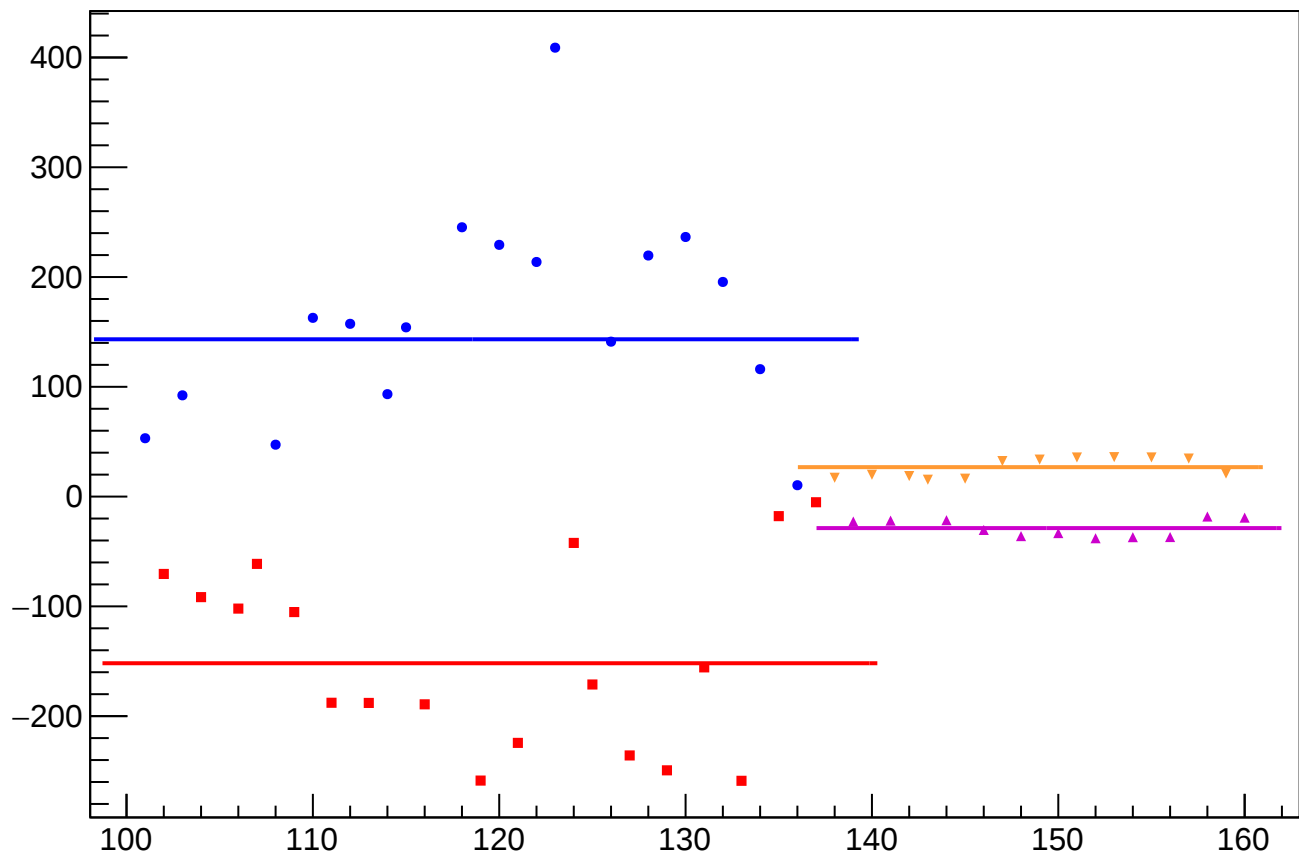
Left: -0.027 ± 0.000 χ^2/NDF : 23786914105617751
 Right In: 13.603 ± 0.000 χ^2/NDF : 12735243270159378009596948914372608.0/16
 Right: -0.071 ± 0.000 χ^2/NDF : 2752368214719958
 Left Out: 9.150 ± 0.000 χ^2/NDF : 39277872742254074386096302311079936.0/11
 In: 0.659 ± 0.000 χ^2/NDF : 2629356509747329070
 Right Out: -13.343 ± 0.000 χ^2/NDF : 6808158047357444632184742387646464.0/17
 Out: -0.753 ± 0.000 χ^2/NDF : 24855008569654434
 Left In: -8.968 ± 0.000 χ^2/NDF : 47457578467091168331445311669010432.0/10
 All: -0.046 ± 0.000 χ^2/NDF : 5131074728733

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



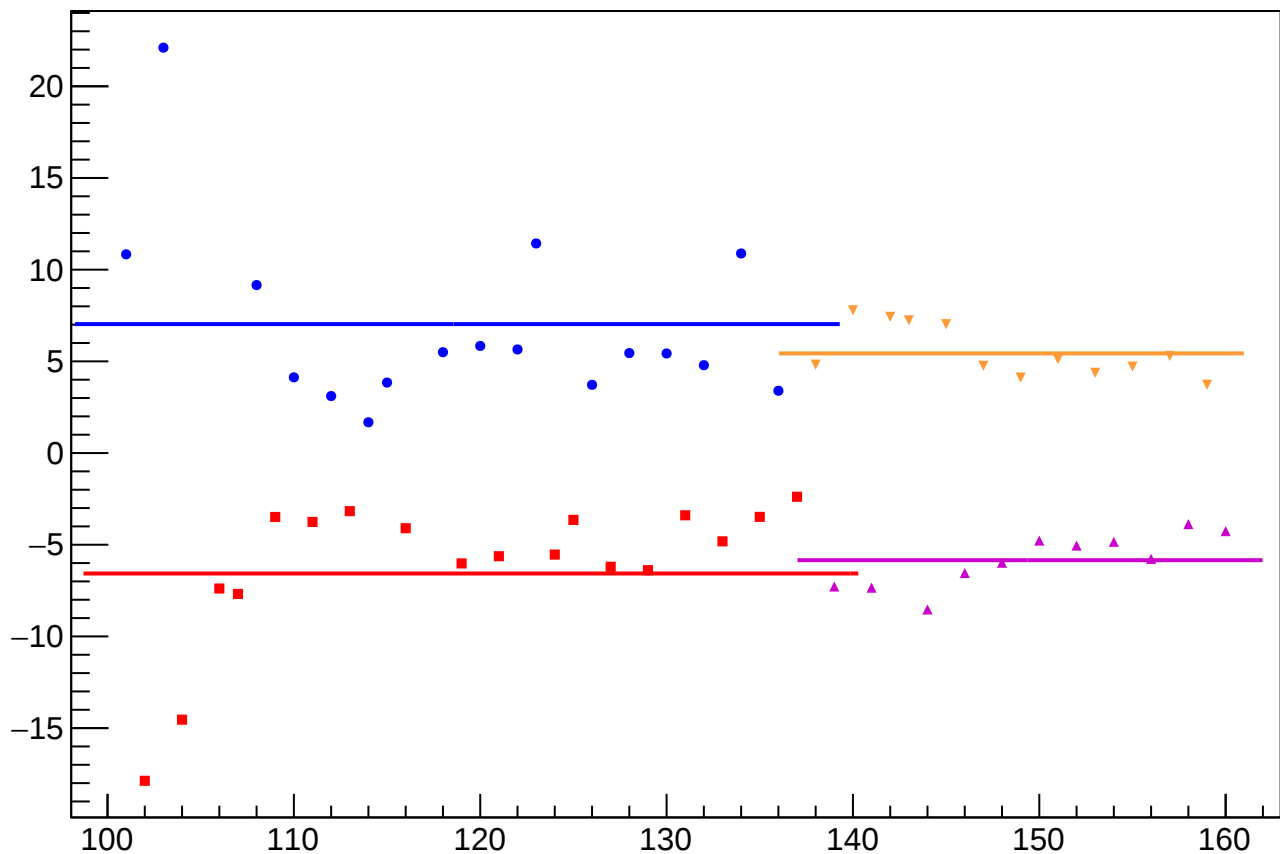
Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_4eX_coil7_mean vs Slug, Sign Corrected



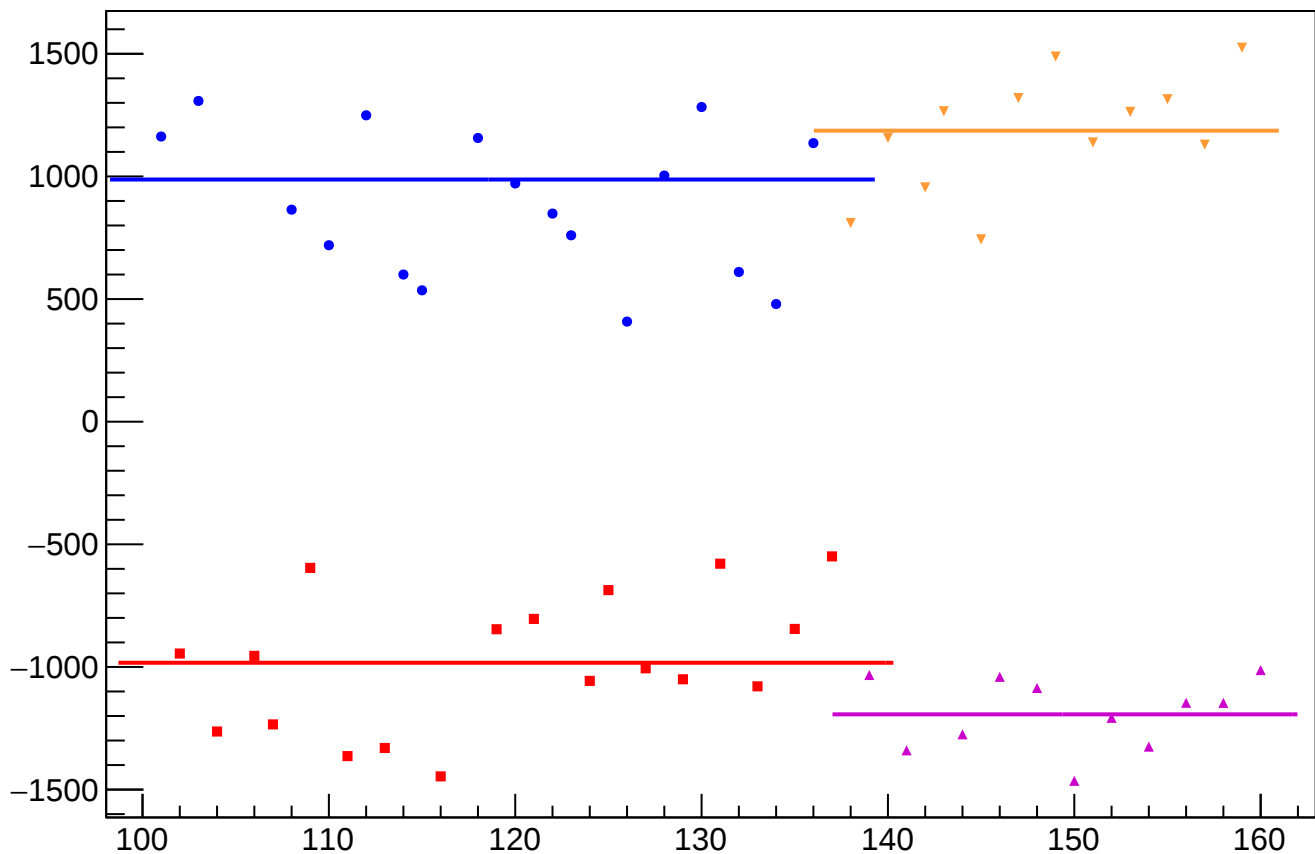
Left: -1.307 ± 0.000 $\chi^2/\text{NDF}: 15373366738372324$
 Right In: 143.291 ± 0.000 $\chi^2/\text{NDF}: 4778890435983165530583685149403119616.0/16$
 Right: -6.463 ± 0.000 $\chi^2/\text{NDF}: 4010201428427812$
 Left Out: 26.816 ± 0.000 $\chi^2/\text{NDF}: 64568009381250036040665945578930176.0/11$
 In: 44.660 ± 0.000 $\chi^2/\text{NDF}: 166056099659481743$
 Right Out: -151.819 ± 0.000 $\chi^2/\text{NDF}: 4652479354515348530637943017457057792.0/17$
 Out: -51.832 ± 0.000 $\chi^2/\text{NDF}: 1748773980809143$
 Left In: -28.706 ± 0.000 $\chi^2/\text{NDF}: 53446645713086882216161894618628096.0/10$
 All: -3.542 ± 0.000 $\chi^2/\text{NDF}: 4166057435193$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



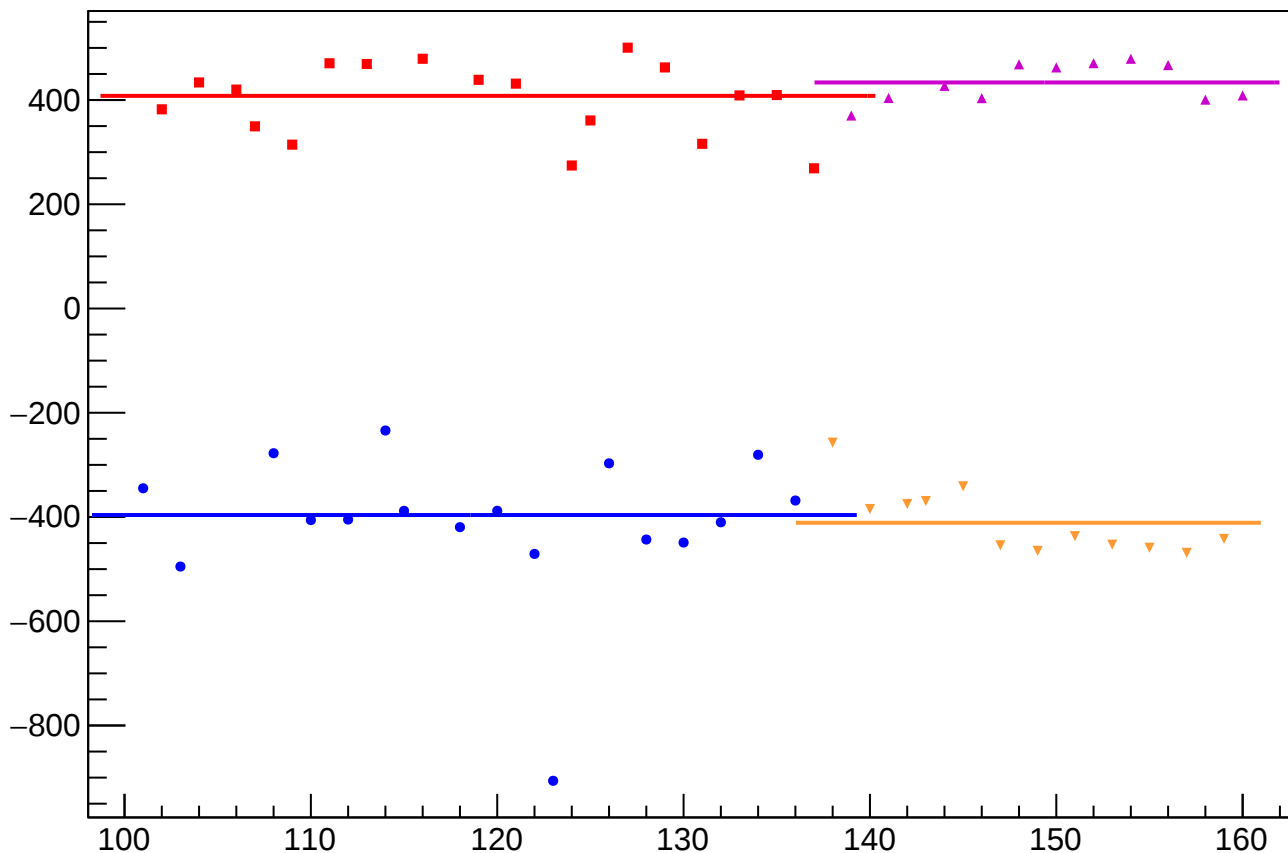
Right In: 7.031+/-0.000 χ^2/NDF : 18686972393169306014765519518826496.0/16
 Left Out: 5.434+/-0.000 χ^2/NDF : 1641961615493557983490036107051008.0/11
 Right Out: -6.568+/-0.000 χ^2/NDF : 13908005278630821419370553666437120.0/17
 Left In: -5.842+/-0.000 χ^2/NDF : 1812226966420315112479835300036608.0/10
 All: -0.101+/-0.000 χ^2/NDF : 1598467643191

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000 χ^2/NDF : 52571386835815299758771040245189181440.0/16
 Left Out: 1186.594+/-0.000 χ^2/NDF : 49763362019555548841298308984106647552.0/11
 Right Out: -982.831+/-0.000 χ^2/NDF : 48106250951114292454819733992816771072.0/17
 Left In: -1193.230+/-0.000 χ^2/NDF : 18719715189237327364686937904868491264.0/10
 All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -396.205+/-0.000

χ^2/NDF : 3915339787327324310697642459645607936.0/16

Left Out: -411.042+/-0.000

χ^2/NDF : 3555989077784945680272383641089212416.0/11

Right Out: 408.004+/-0.000

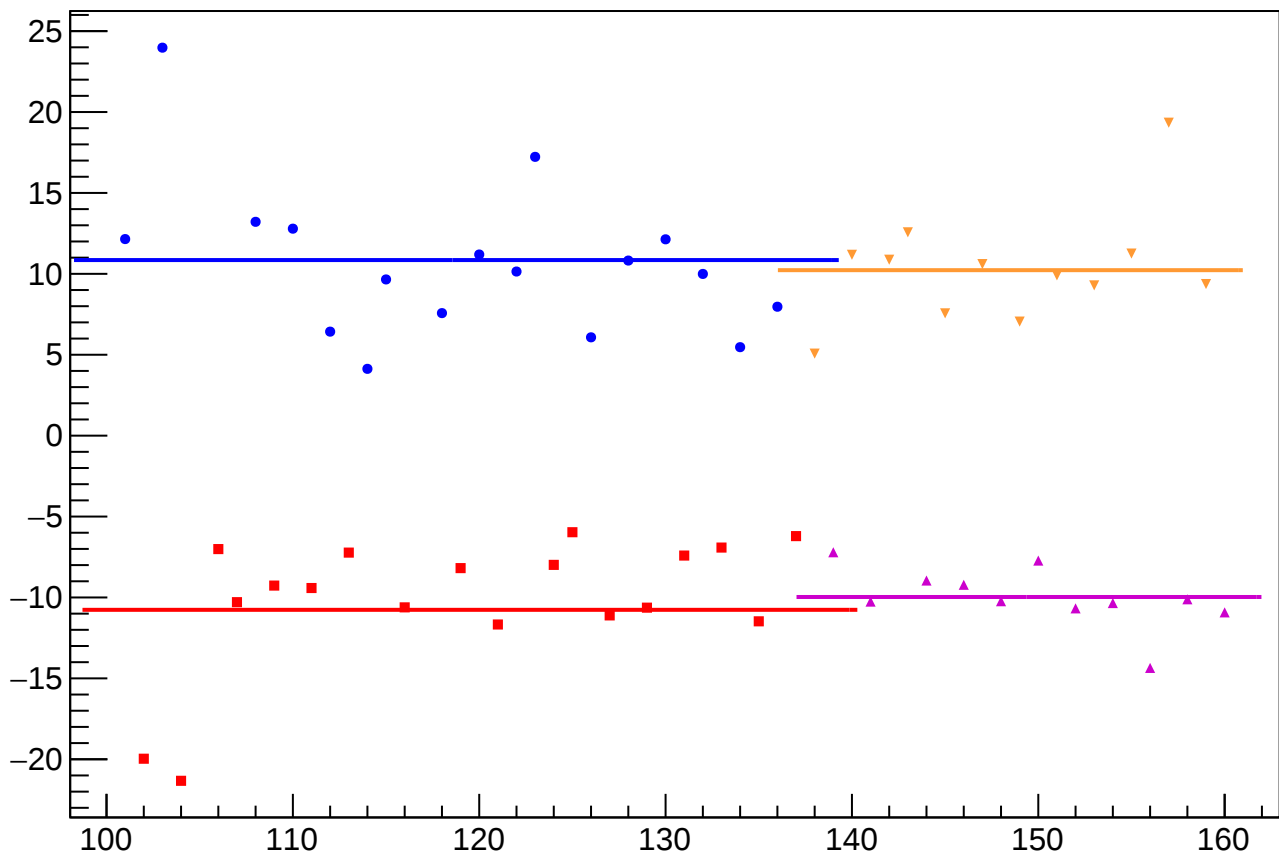
χ^2/NDF : 2700413725595197389596215208912617472.0/17

Left In: 433.711+/-0.000

χ^2/NDF : 1189526132627930234621779098826964992.0/10

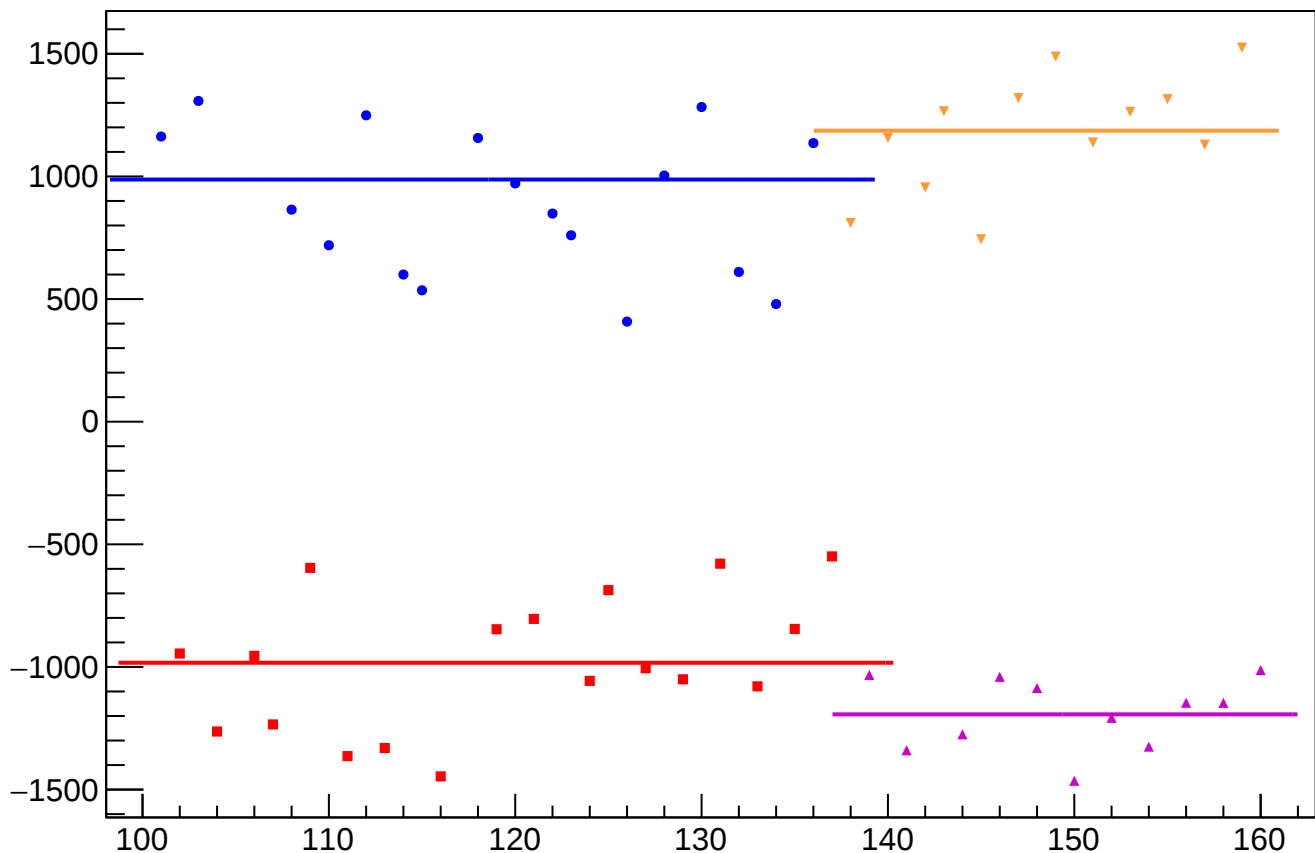
All: 14.695+/-0.000 χ^2/NDF : 5677098484078

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



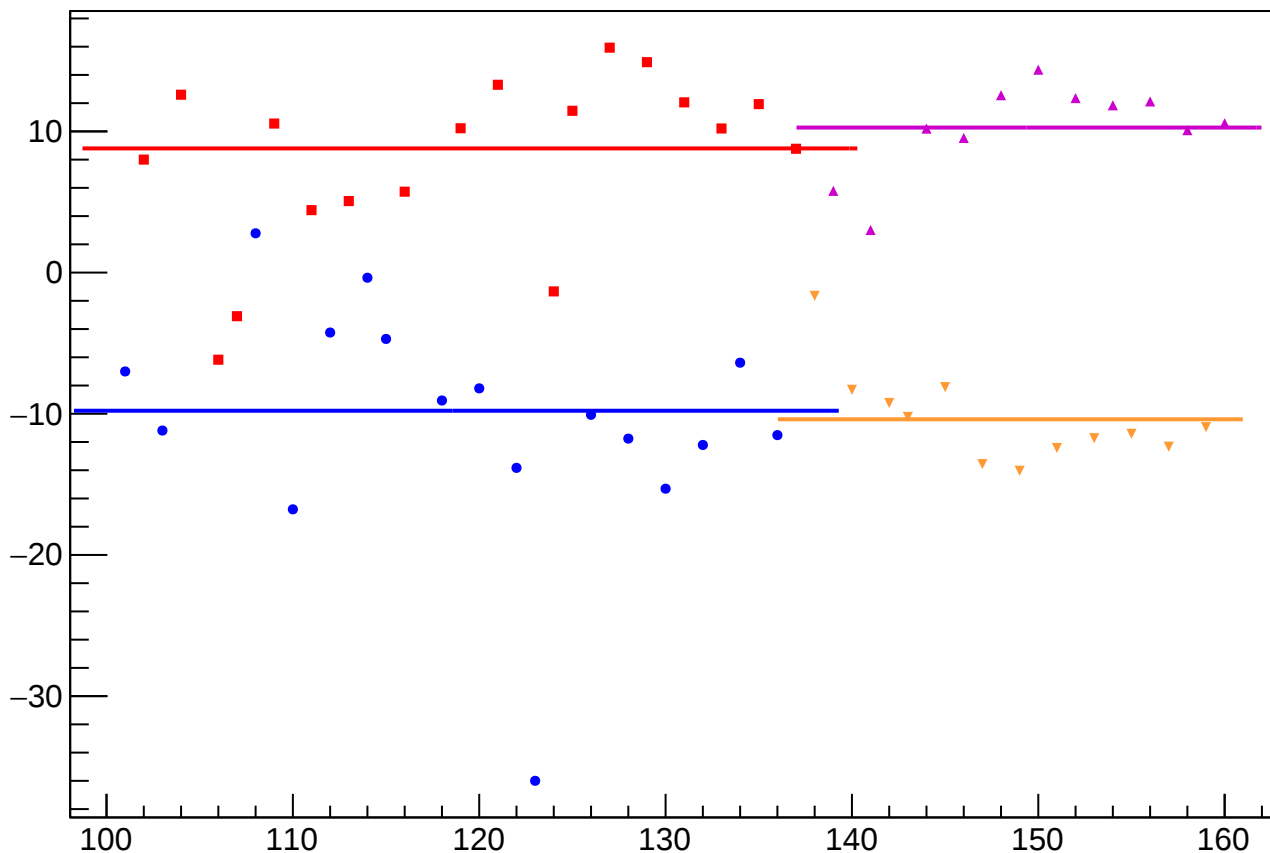
Right In: 10.851 ± 0.000 $\chi^2/\text{NDF}: 15284459899452545966128799384862720.0/16$
 Left Out: 10.227 ± 0.000 $\chi^2/\text{NDF}: 10321587584551104331954948537319424.0/11$
 Right Out: -10.764 ± 0.000 $\chi^2/\text{NDF}: 14575858748491423837639288498946048.0/17$
 Left In: -9.971 ± 0.000 $\chi^2/\text{NDF}: 2900670082842124382118820523802624.0/10$
 All: -0.053 ± 0.000 $\chi^2/\text{NDF}: 3954613272639$

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.786+/-0.000

χ^2/NDF : 17296683010620060540445571791454208.0/16

Left Out: -10.390+/-0.000

χ^2/NDF : 9553348608714345843286370808758272.0/11

Right Out: 8.794+/-0.000

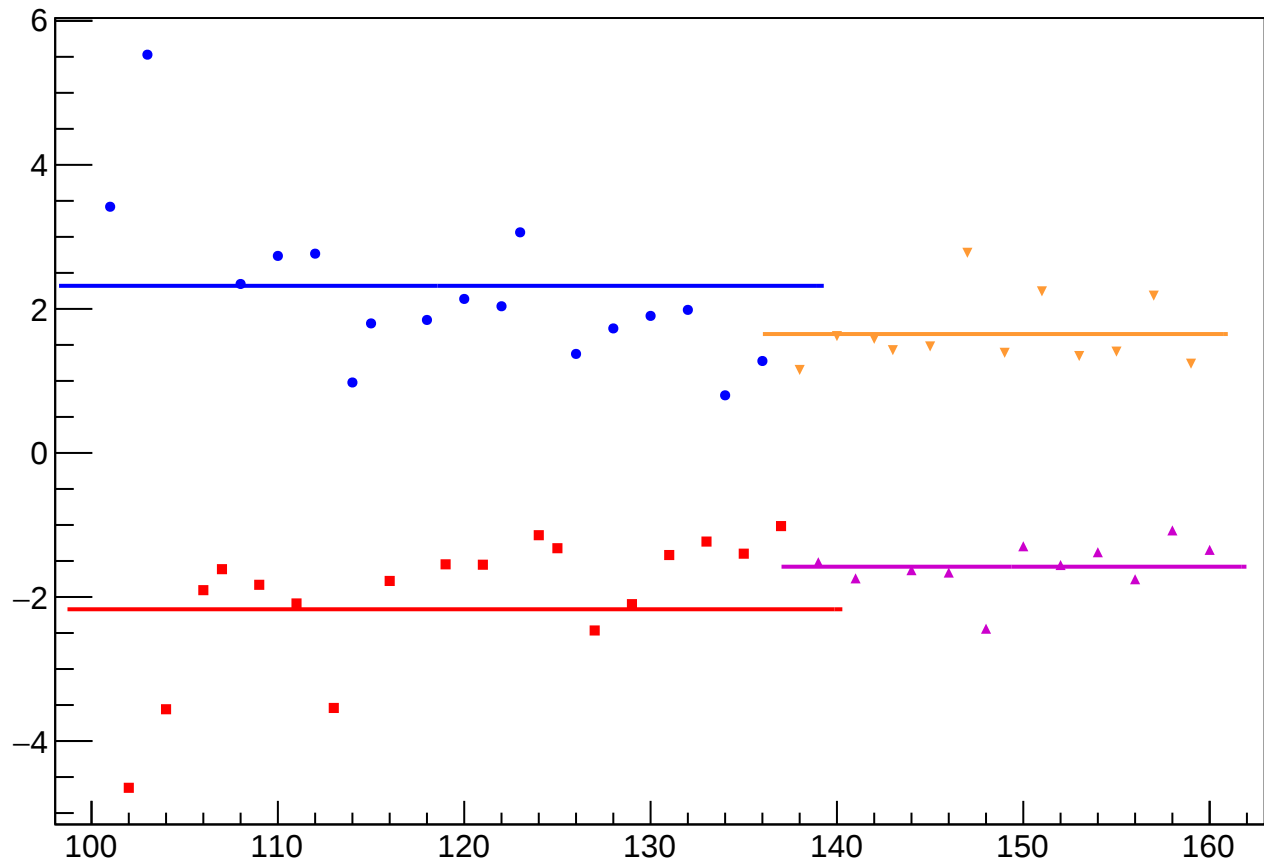
χ^2/NDF : 21979472889395409230974985175040000.0/17

Left In: 10.271+/-0.000

χ^2/NDF : 9001548873812579955640597255028736.0/10

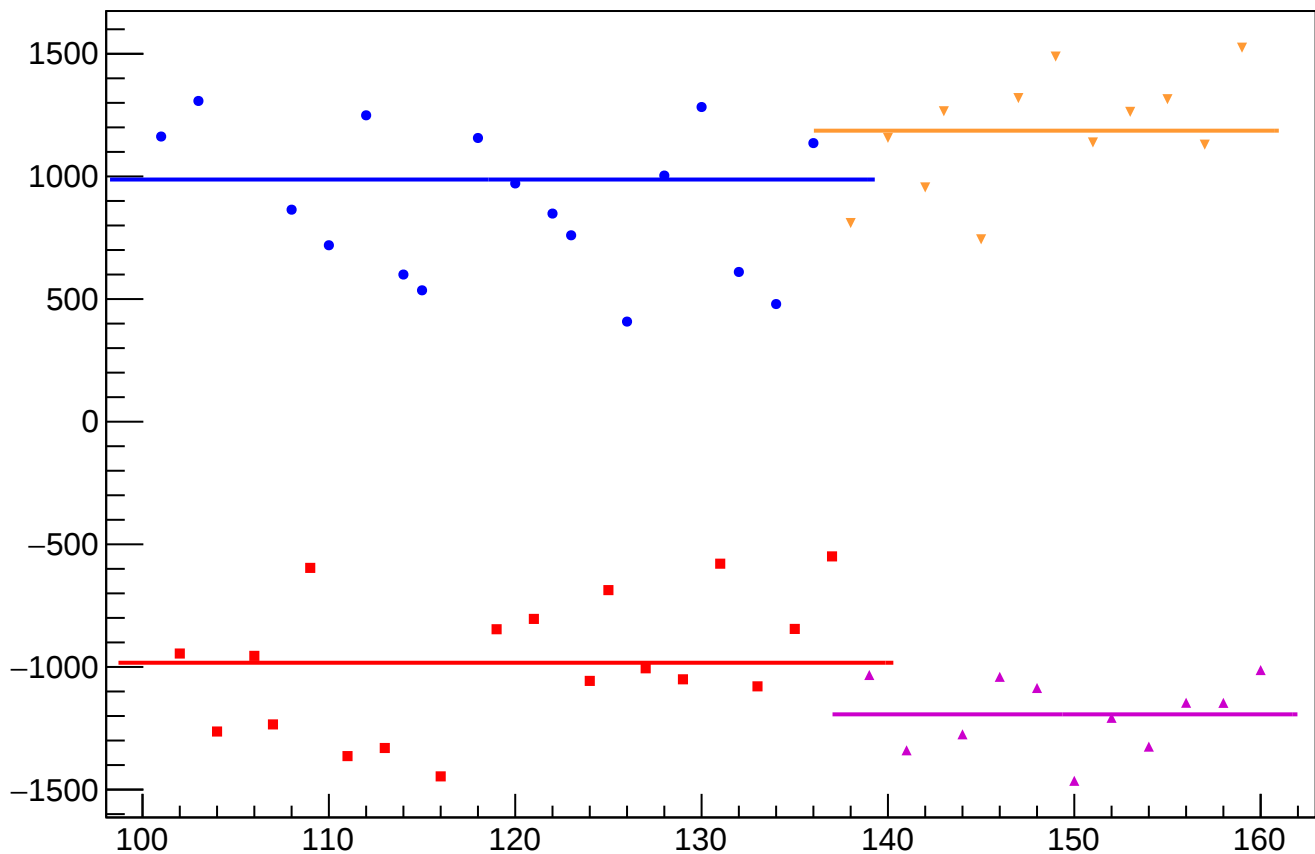
All: -0.113+/-0.000 χ^2/NDF : 3761009854551

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.320 $\pm$ 0.000 χ^2 /NDF: 951785069007432203128626661556224.0/16
 Left Out: 1.651 $\pm$ 0.000 χ^2 /NDF: 204626857159139136985355773804544.0/11
 Right Out: -2.171 $\pm$ 0.000 χ^2 /NDF: 756432905902484239494035607126016.0/17
 Left In: -1.580 $\pm$ 0.000 χ^2 /NDF: 104047648288543214499863879221248.0/10
 All: 0.026 $\pm$ 0.000 χ^2 /NDF: 13925885170207

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 +/- 0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594 +/- 0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831 +/- 0.000

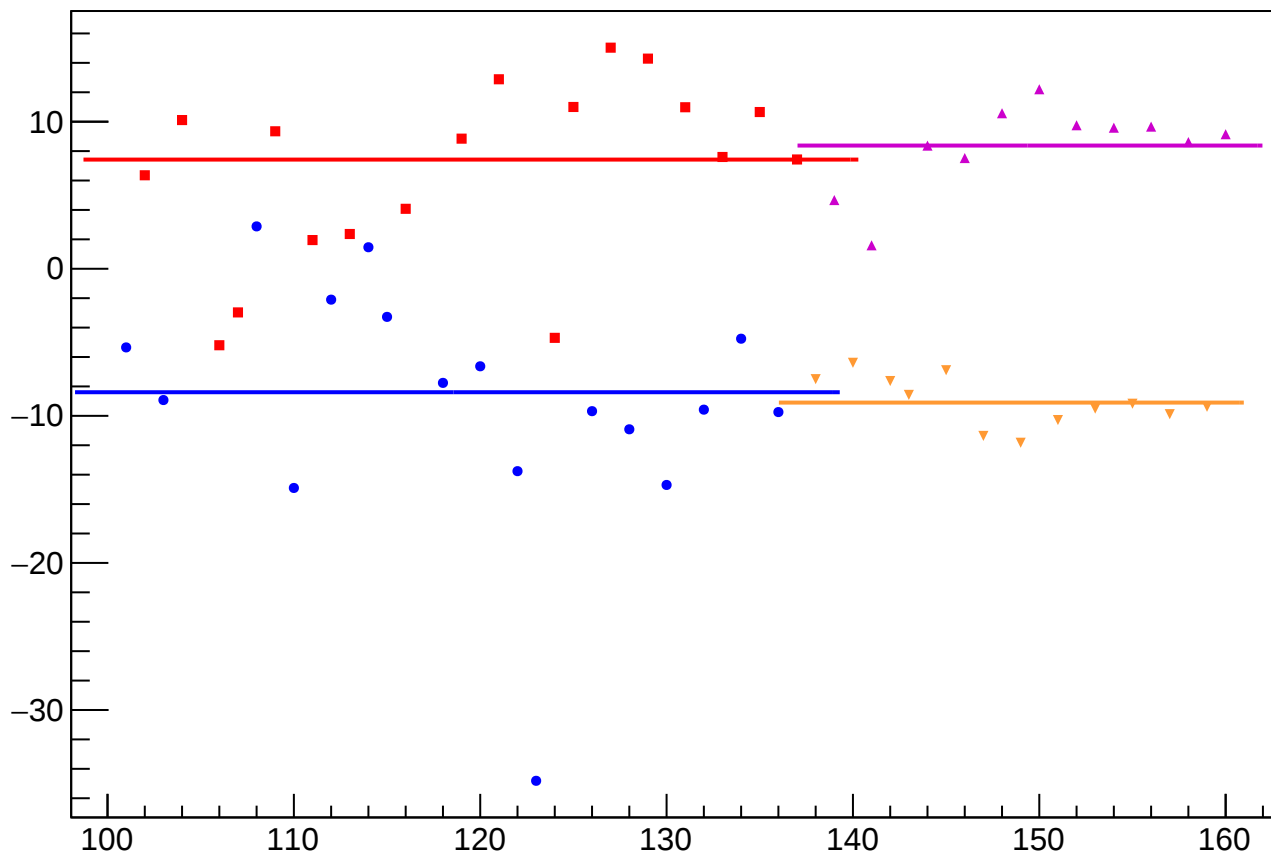
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230 +/- 0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

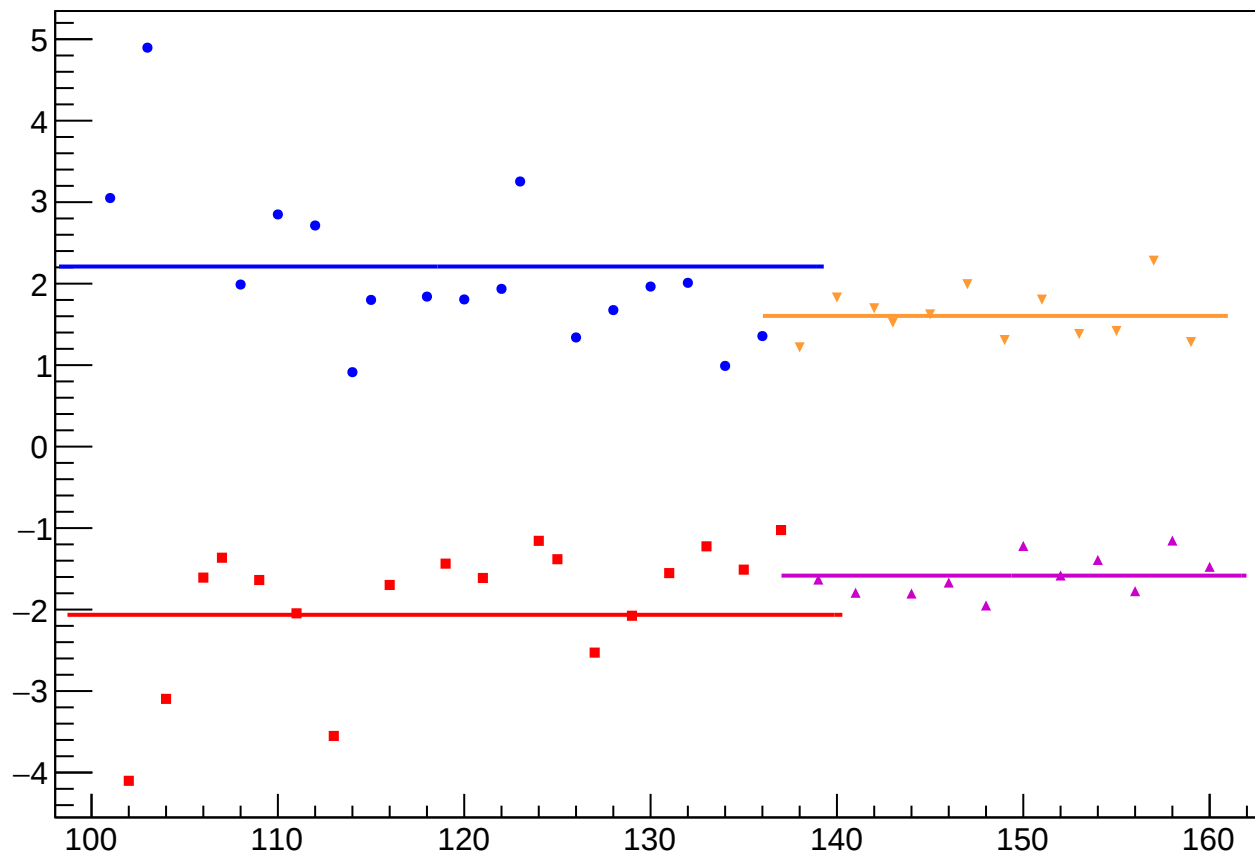
All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_4eY_coil7_mean vs Slug, Sign Corrected



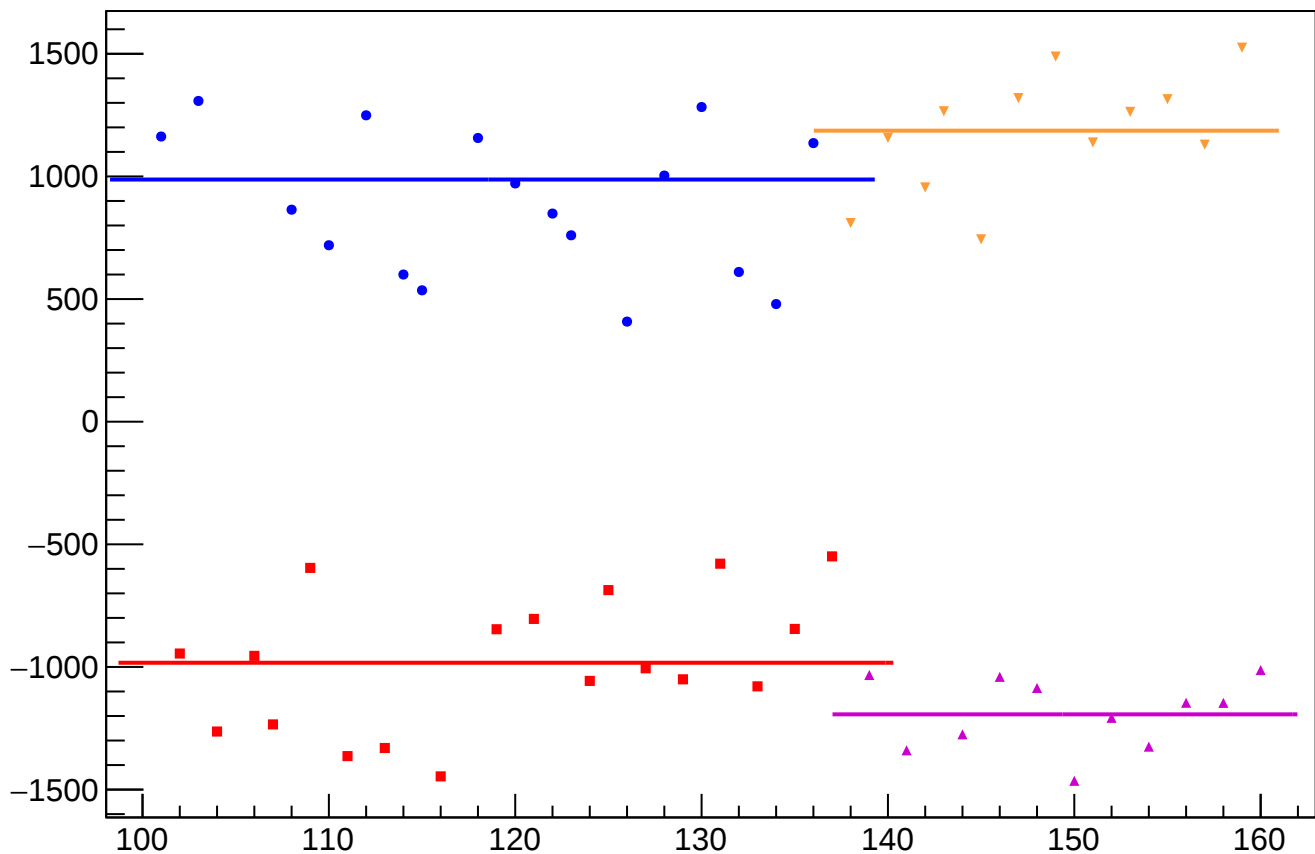
Right In: -8.394+/-0.000 χ^2/NDF : 17454293749905596935063382469378048.0/16
 Left Out: -9.098+/-0.000 χ^2/NDF : 2495166400033821389722475105878016.0/11
 Right Out: 7.423+/-0.000 χ^2/NDF : 21448737498509381182656193641840640.0/17
 Left In: 8.377+/-0.000 χ^2/NDF : 7305049621104210689876244459159552.0/10
 All: -0.299+/-0.000 χ^2/NDF : 2774358772203

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.210 $\pm$ 0.000 χ^2 /NDF: 685219894303103753186103173054464.0/16
 Left Out: 1.604 $\pm$ 0.000 χ^2 /NDF: 88134442876960203086974867734528.0/11
 Right Out: -2.064 $\pm$ 0.000 χ^2 /NDF: 574315722841914805756407412948992.0/17
 Left In: -1.583 $\pm$ 0.000 χ^2 /NDF: 54376045146817744012212281802752.0/10
 All: 0.012 $\pm$ 0.000 χ^2 /NDF: 12516655106587

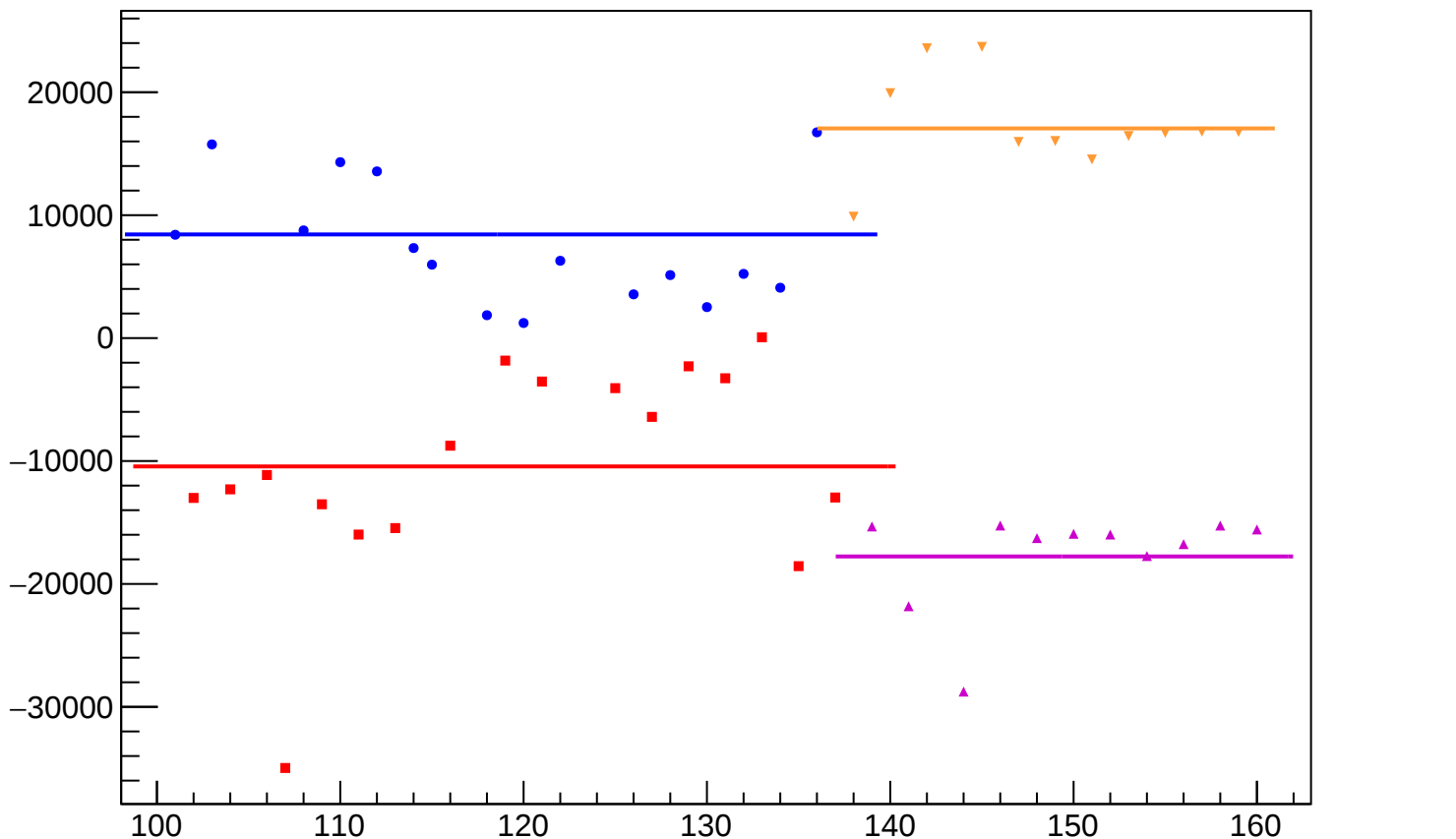
dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



Left: -18.822 +/- 0.000 χ^2/NDF : 2676111842139268
 Right: -12.404 +/- 0.000 χ^2/NDF : 146772402174972
 In: -263.084 +/- 0.000 χ^2/NDF : 1963690344467940
 Out: 231.459 +/- 0.000 χ^2/NDF : 1981402088557405
 All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

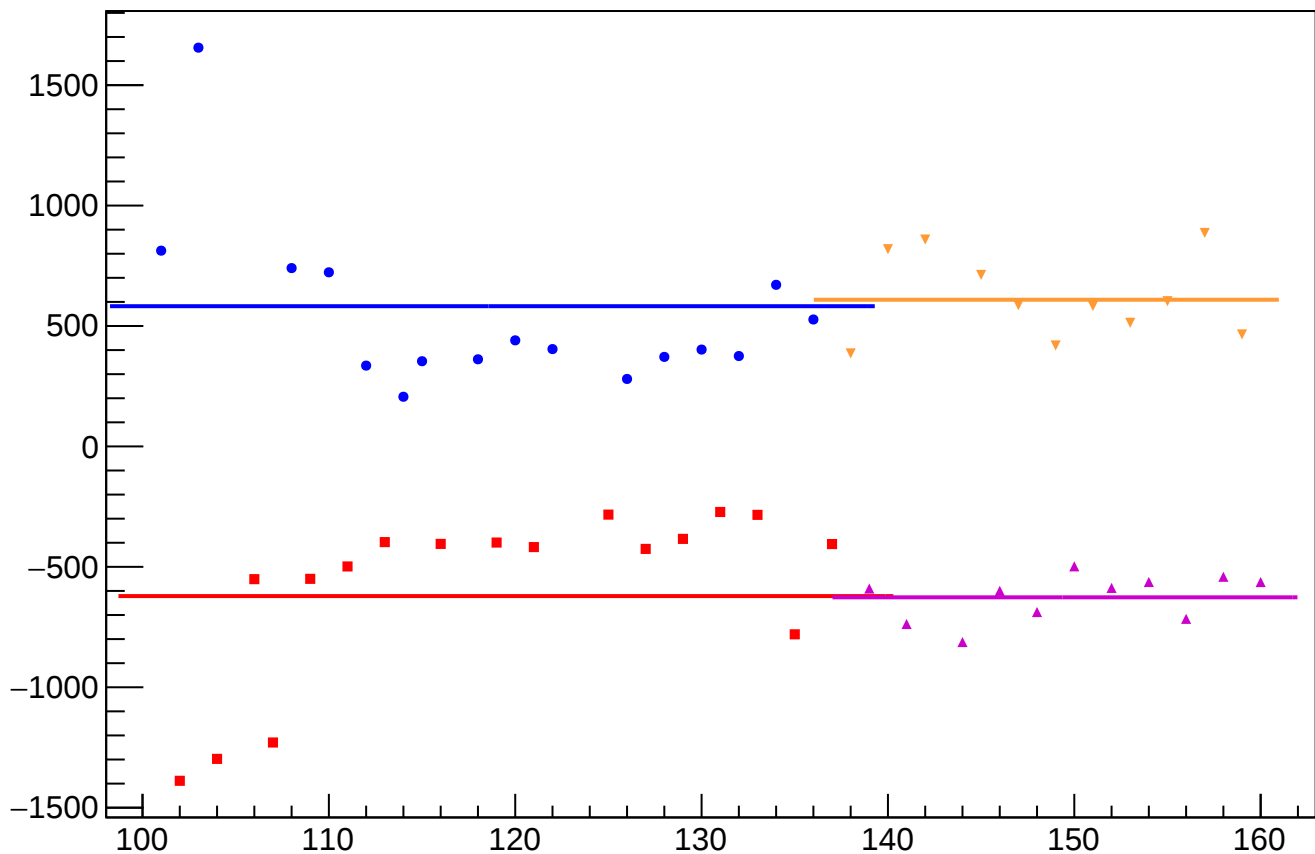
Right In: 987.388 +/- 0.000 χ^2/NDF : 52571386835815299758771040245189181440.0/16
 Left Out: 1186.594 +/- 0.000 χ^2/NDF : 49763362019555548841298308984106647552.0/11
 Right Out: -982.831 +/- 0.000 χ^2/NDF : 48106250951114292454819733992816771072.0/17
 Left In: -1193.230 +/- 0.000 χ^2/NDF : 18719715189237327364686937904868491264.0/10

dit_usl_coil7_mean vs Slug, Sign Corrected



Right In: 8433.891 ± 0.000 $\chi^2/\text{NDF}: 20327422028204985369763408215621299601408.0/15$
 Left Out: 17058.273 ± 0.000 $\chi^2/\text{NDF}: 10811611646396396135044758761220754898944.0/10$
 Right Out: -10440.704 ± 0.000 $\chi^2/\text{NDF}: 45868144044016746065453678570140629729280.0/16$
 Left In: -17763.145 ± 0.000 $\chi^2/\text{NDF}: 14921716045152593676189631342379599396864.0/10$
 All: -1171.667 ± 0.000 $\chi^2/\text{NDF}: 7524754338$

dit_usl_coil7_err_mean vs Slug, Sign Corrected



Right In: 582.194+/-0.000

χ^2/NDF : 92652521491388929844313077938841976832.0/15

Left Out: 609.049+/-0.000

χ^2/NDF : 22435846570397404635858963221446656000.0/10

Right Out: -621.413+/-0.000

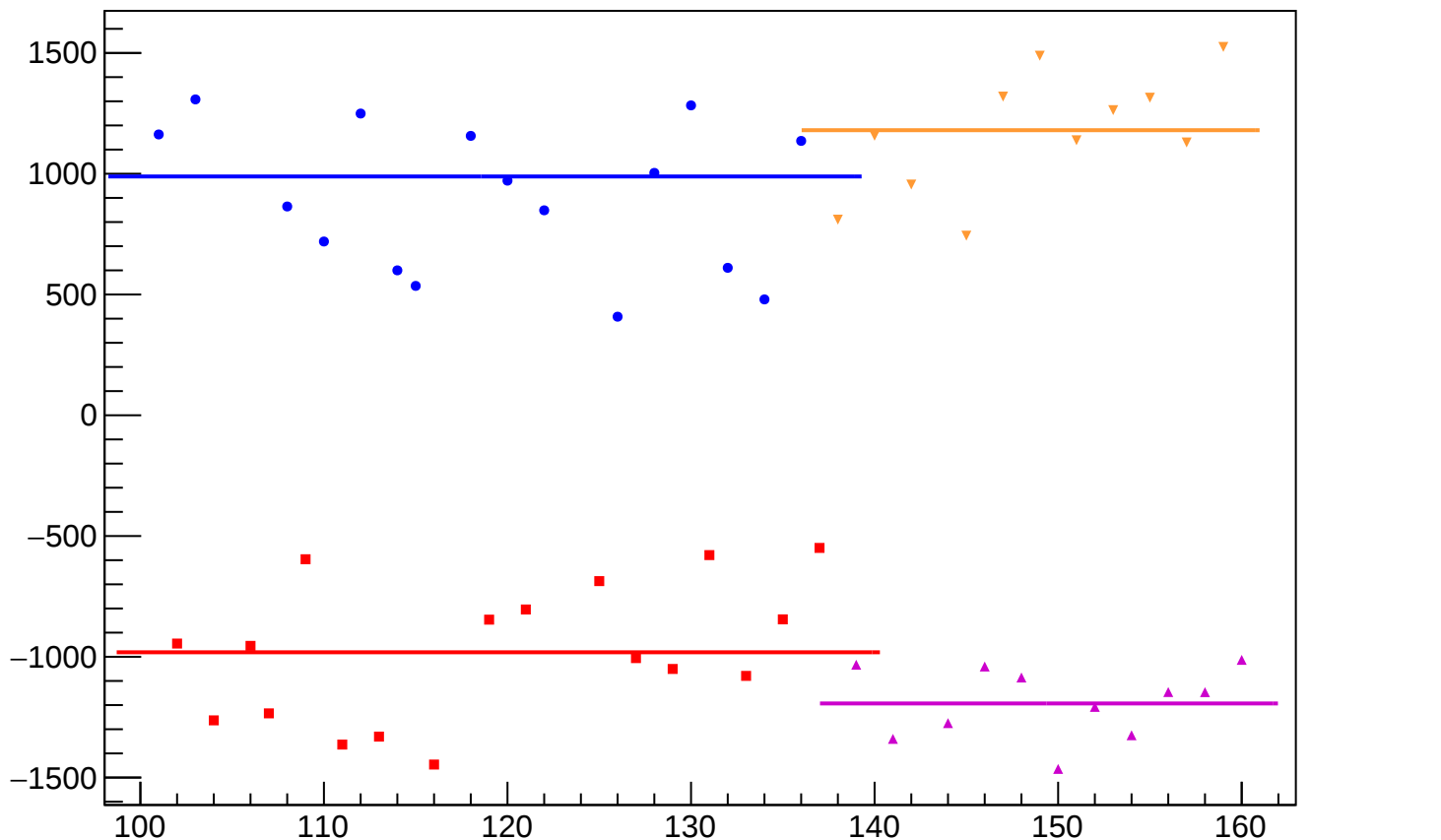
χ^2/NDF : 99044900314697449740386824149731901440.0/16

Left In: -626.604+/-0.000

χ^2/NDF : 8153830016512989620574087402930307072.0/10

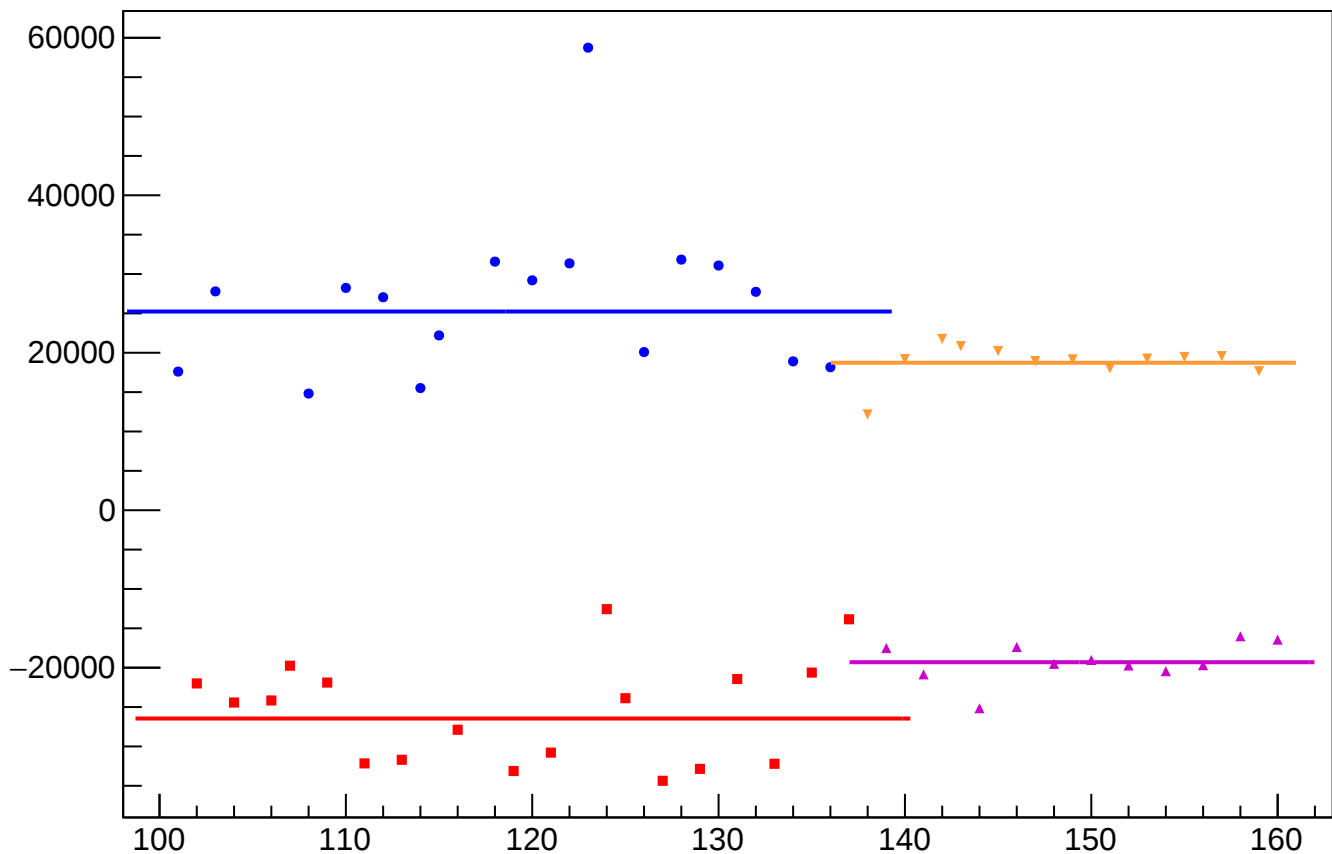
Left: -40.452+/-0.000 χ^2/NDF : 7063435866504061
 Right: -24.369+/-0.000 χ^2/NDF : 695441277498736
 In: -112.697+/-0.000 χ^2/NDF : 6803947133451579
 Out: 50.038+/-0.000 χ^2/NDF : 70064415971777849
 All: -33.386+/-0.000 χ^2/NDF : 140198658530

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 988.706 ± 0.000 $\chi^2/\text{NDF}: 52363367379197496459026096064200441856.0/15$
 Left Out: 1180.302 ± 0.000 $\chi^2/\text{NDF}: 49311054965426356670958856612989632512.0/10$
 Right Out: -981.352 ± 0.000 $\chi^2/\text{NDF}: 48028000110939353209143459445919973376.0/16$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -39.542 ± 0.000 $\chi^2/\text{NDF}: 401447824539$

dit_usr_coil7_mean vs Slug, Sign Corrected



Right In: 25236.317+/-0.000

χ^2/NDF : 29071522213059582283269412071648973029376.0/16

Left Out: 18733.088+/-0.000

χ^2/NDF : 4548859708795276009115062862764547506176.0/11

Right Out: -26455.988+/-0.000

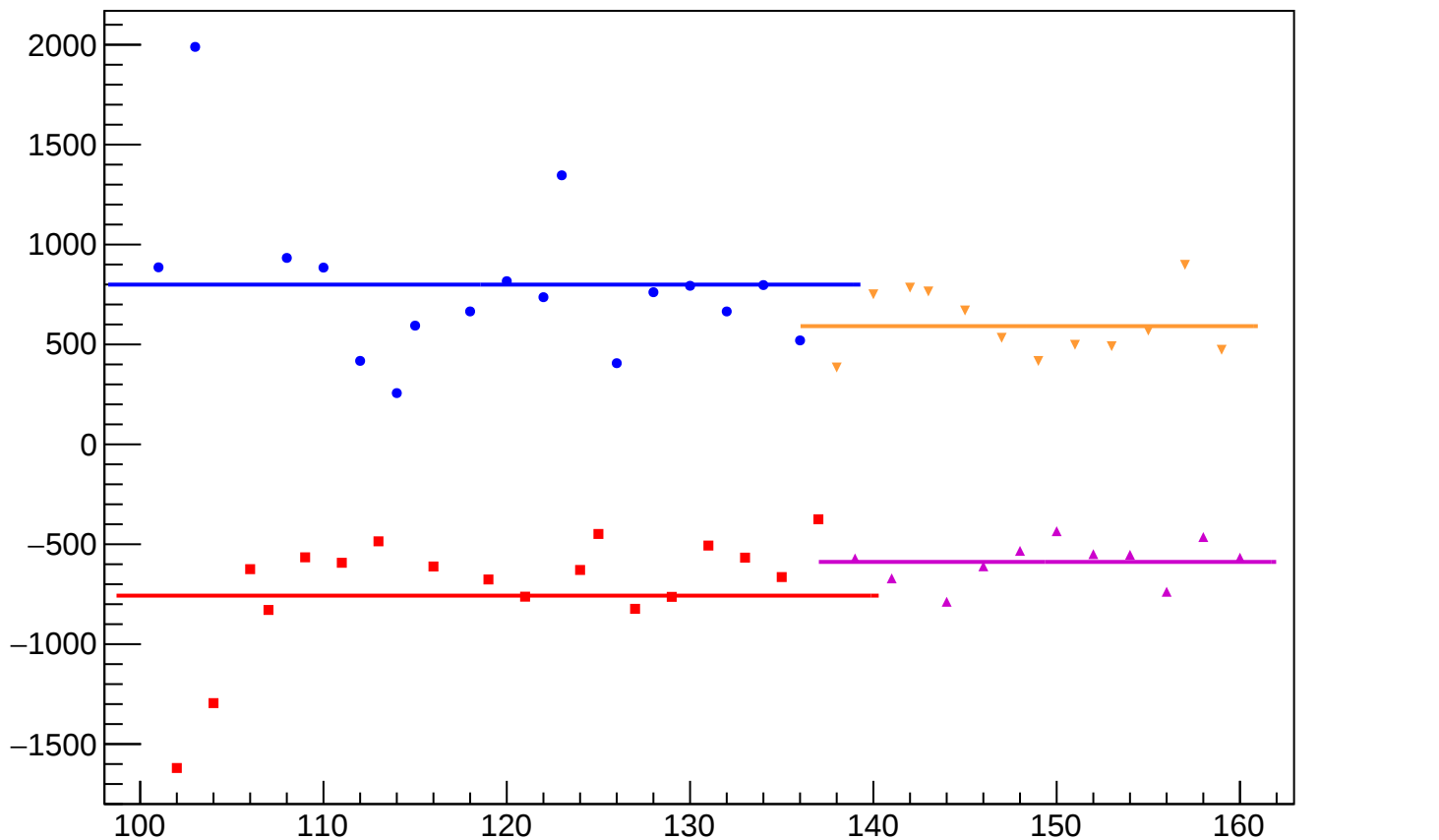
χ^2/NDF : 24365500126615965846523683173160051539968.0/17

Left In: -19304.267+/-0.000

χ^2/NDF : 5534312846763223984199919197299769606144.0/10

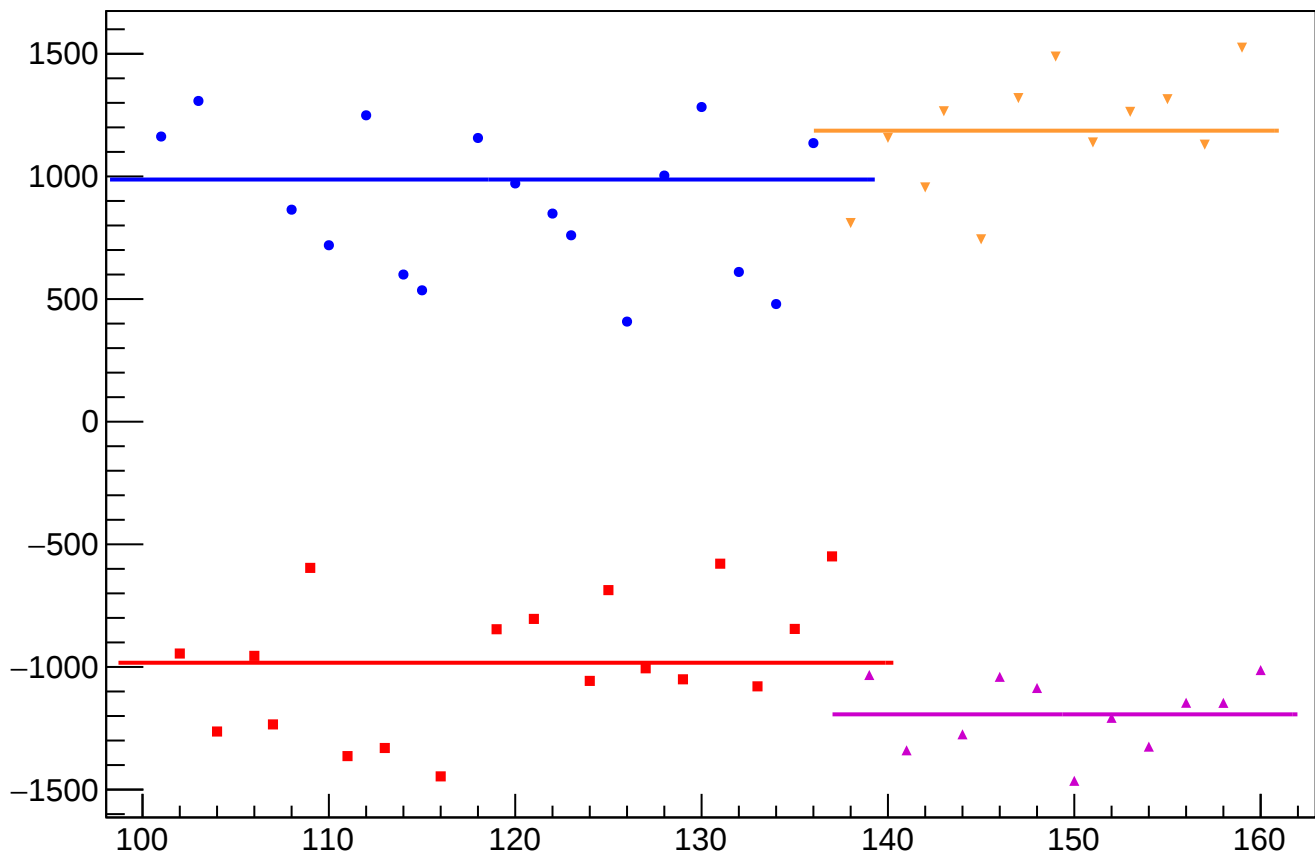
All: -733.477+/-0.000 χ^2/NDF : 16708833961

dit_usr_coil7_err_mean vs Slug, Sign Corrected



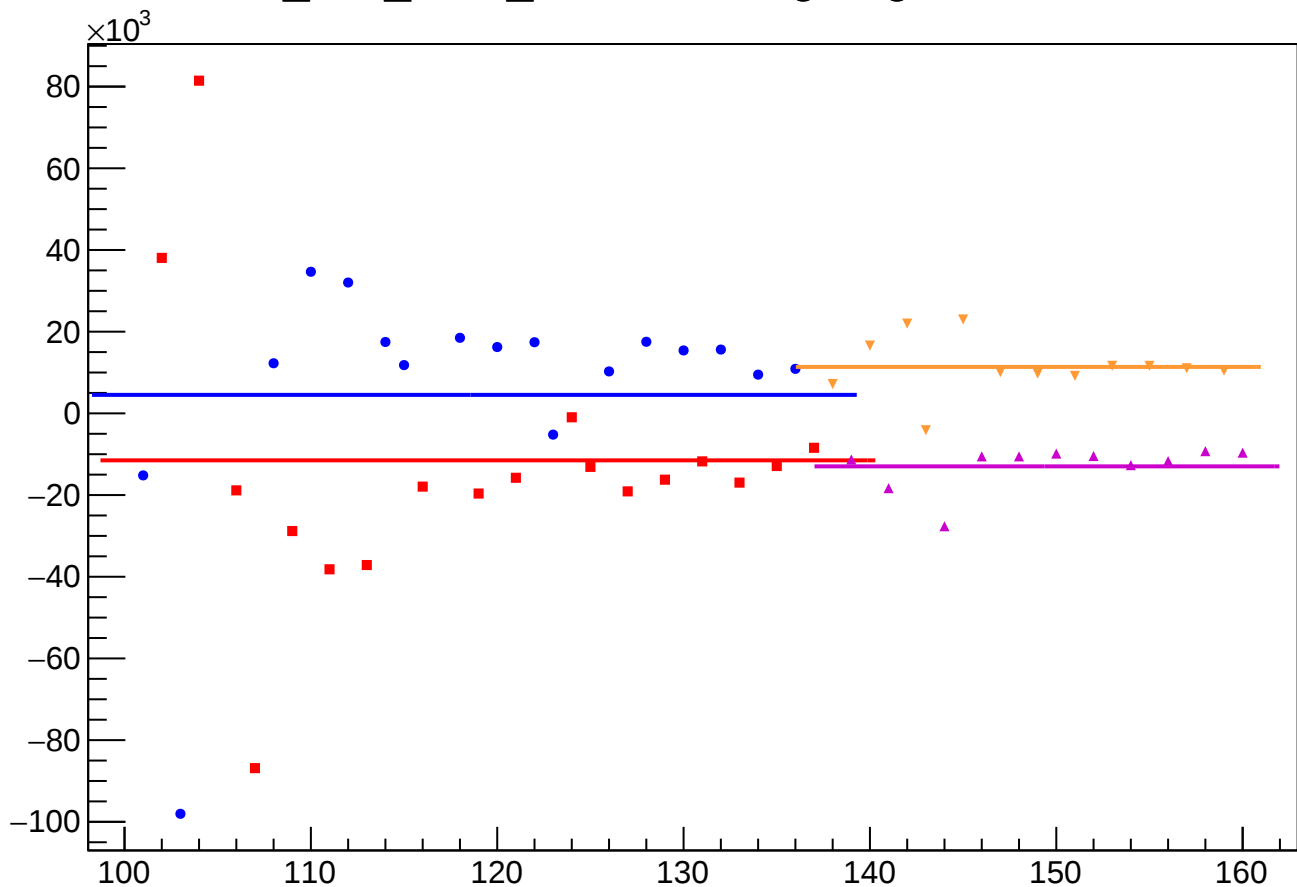
Right In: 799.524+/-0.000 χ^2/NDF : 112536154235498414231657645251770712064.0/16
 Left Out: 591.628+/-0.000 χ^2/NDF : 22099670593221557738114196407951818752.0/11
 Right Out: -757.193+/-0.000 χ^2/NDF : 76794158982285513543711222288246374400.0/17
 Left In: -588.417+/-0.000 χ^2/NDF : 9911176401969663265546101605651185664.0/10
 All: 0.699+/-0.000 χ^2/NDF : 17161176643386

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



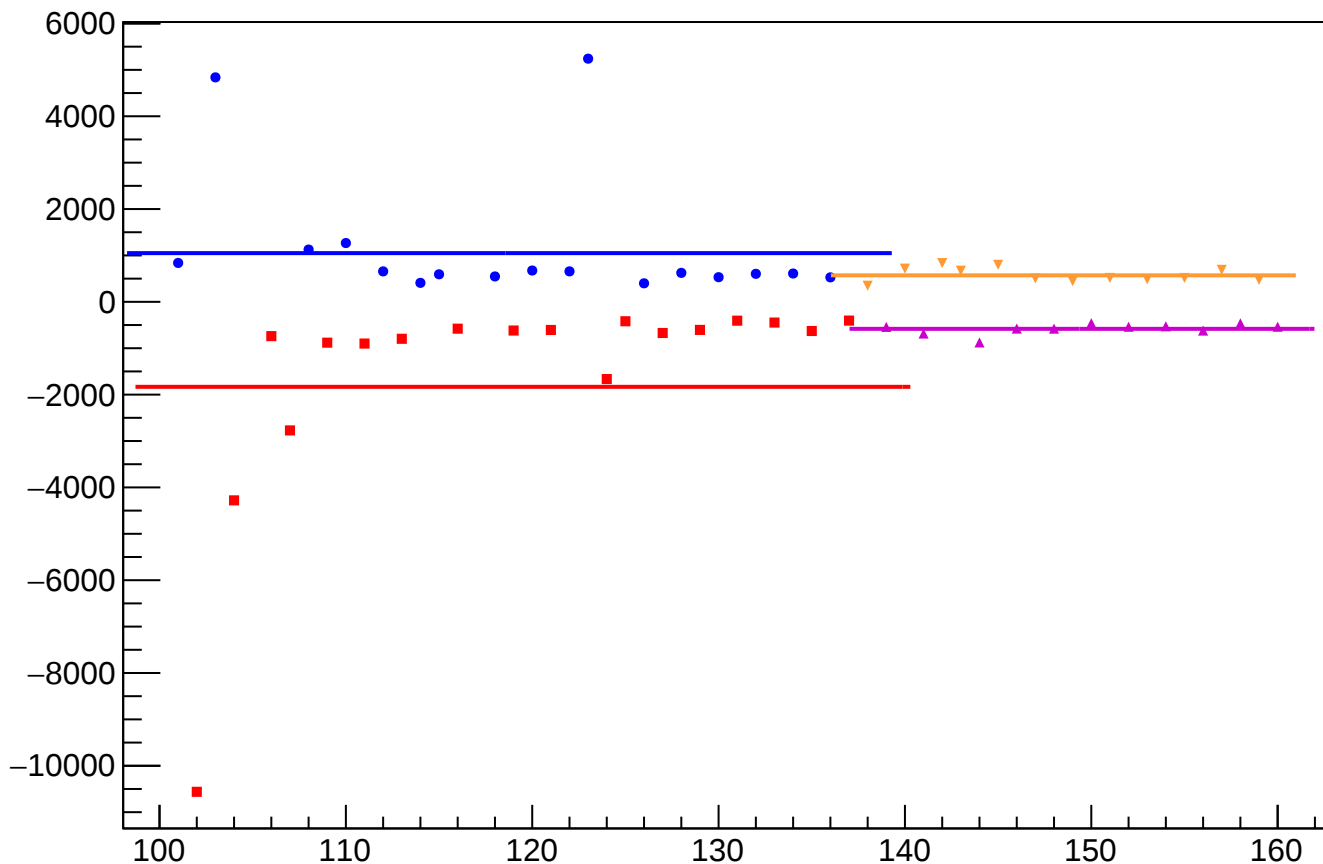
Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_atl1_coil7_mean vs Slug, Sign Corrected



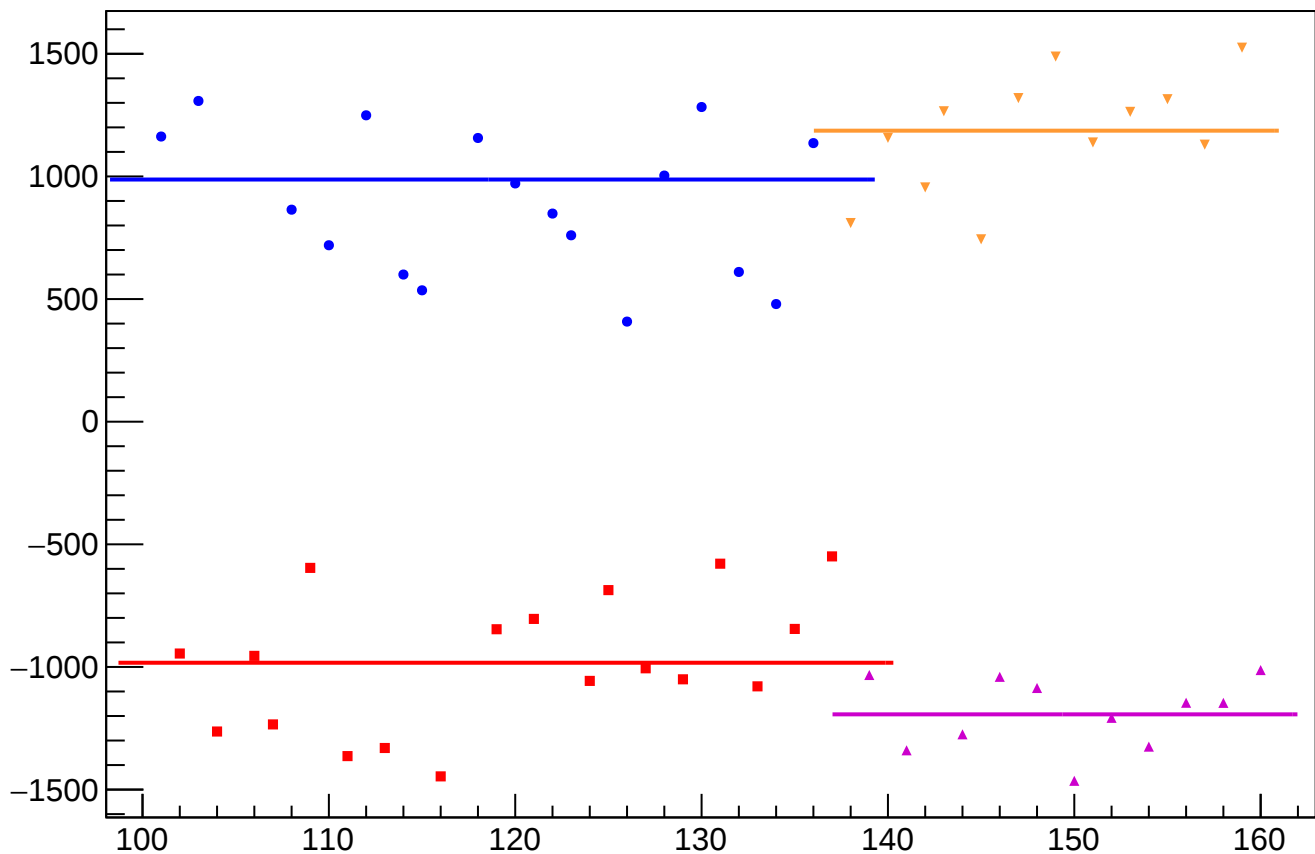
Left: -960.479 ± 0.000 $\chi^2/\text{NDF}: 335486095766420$
 Right In: 4528.489 ± 0.000 $\chi^2/\text{NDF}: 765984421186945141508299673026645807071232.0/16$
 Left Out: 11369.972 ± 0.000 $\chi^2/\text{NDF}: 36208718267646883298044880734212432330752.0/11$
 Right Out: -11503.298 ± 0.000 $\chi^2/\text{NDF}: 877839720750399952947204251622051720200192.0/17$
 Left In: -12973.748 ± 0.000 $\chi^2/\text{NDF}: 26423716846952217142475221393758111137792.0/10$
 All: -2107.441 ± 0.000 $\chi^2/\text{NDF}: 2075415828$

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Left: -13.051+/-0.000 χ^2/NDF : 6418809450077942
 Right In: 1049.780+/-0.000 χ^2/NDF : 1038421858157169578640574748223478956032.0/16
 Right: -412.465+/-0.000 χ^2/NDF : 95232722558103
 Left Out: 570.856+/-0.000 χ^2/NDF : 18128369827839480022049807034159726592.0/11
 In: 114.074+/-0.000 χ^2/NDF : 21099081558302785
 Right Out: -1831.763+/-0.000 χ^2/NDF : 5560667897153995144780835972954558824448.0/17
 Out: -486.947+/-0.000 χ^2/NDF : 788901762621295
 Left In: -581.939+/-0.000 χ^2/NDF : 11881601275531706993869358655522996224.0/10
 All: -186.159+/-0.000 χ^2/NDF : 10292512175

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 +/- 0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594 +/- 0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831 +/- 0.000

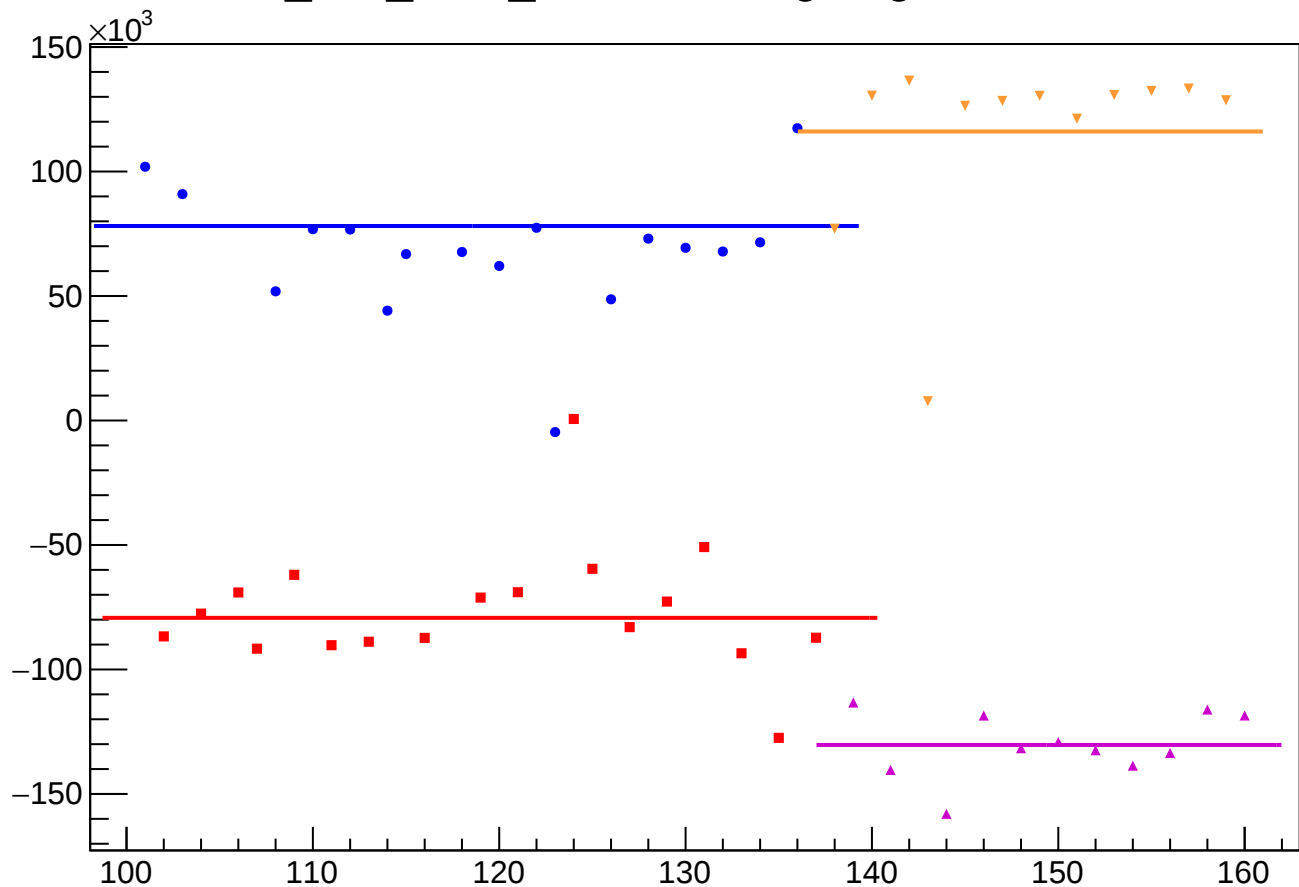
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230 +/- 0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_atl2_coil7_mean vs Slug, Sign Corrected



Right In: 78120.227+/-0.000

Left Out: 116083.925+/-0.000

Right Out: -79260.499+/-0.000

Left In: -130317.995+/-0.000

χ^2/NDF : 308820964030920149649775995002991312633856.0/16

χ^2/NDF : 1055028859665678299066390828243571544424448.0/11

χ^2/NDF : 303215964703866066986504542190112711114752.0/17

χ^2/NDF : 147443434358857033174111826688008821669888.0/10

Left: -8722.259+/-0.000 χ^2/NDF : 29156479686744

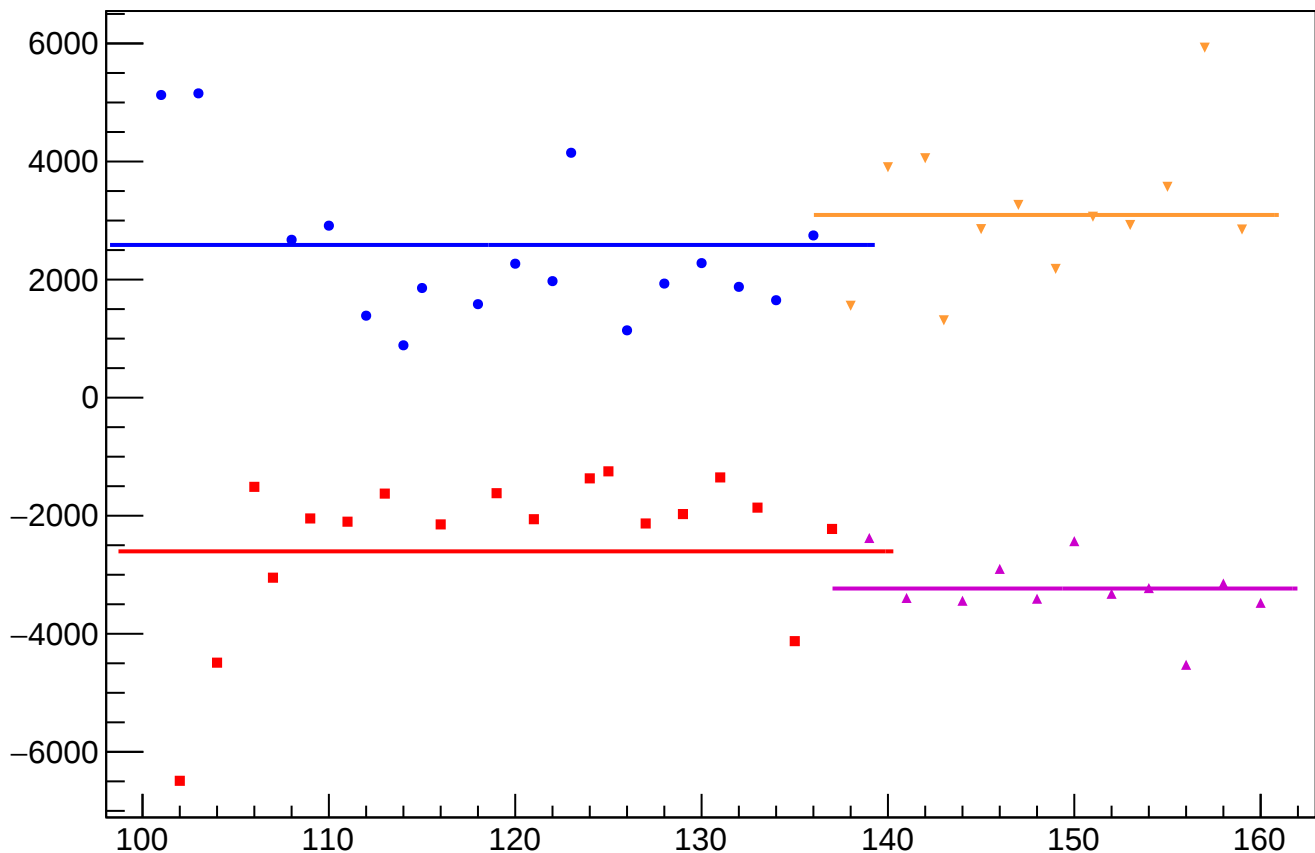
Right: -1742.952+/-0.000 χ^2/NDF : 9334870875198

In: -41408.268+/-0.000 χ^2/NDF : 17746793350482

Out: 30079.453+/-0.000 χ^2/NDF : 16629893935480

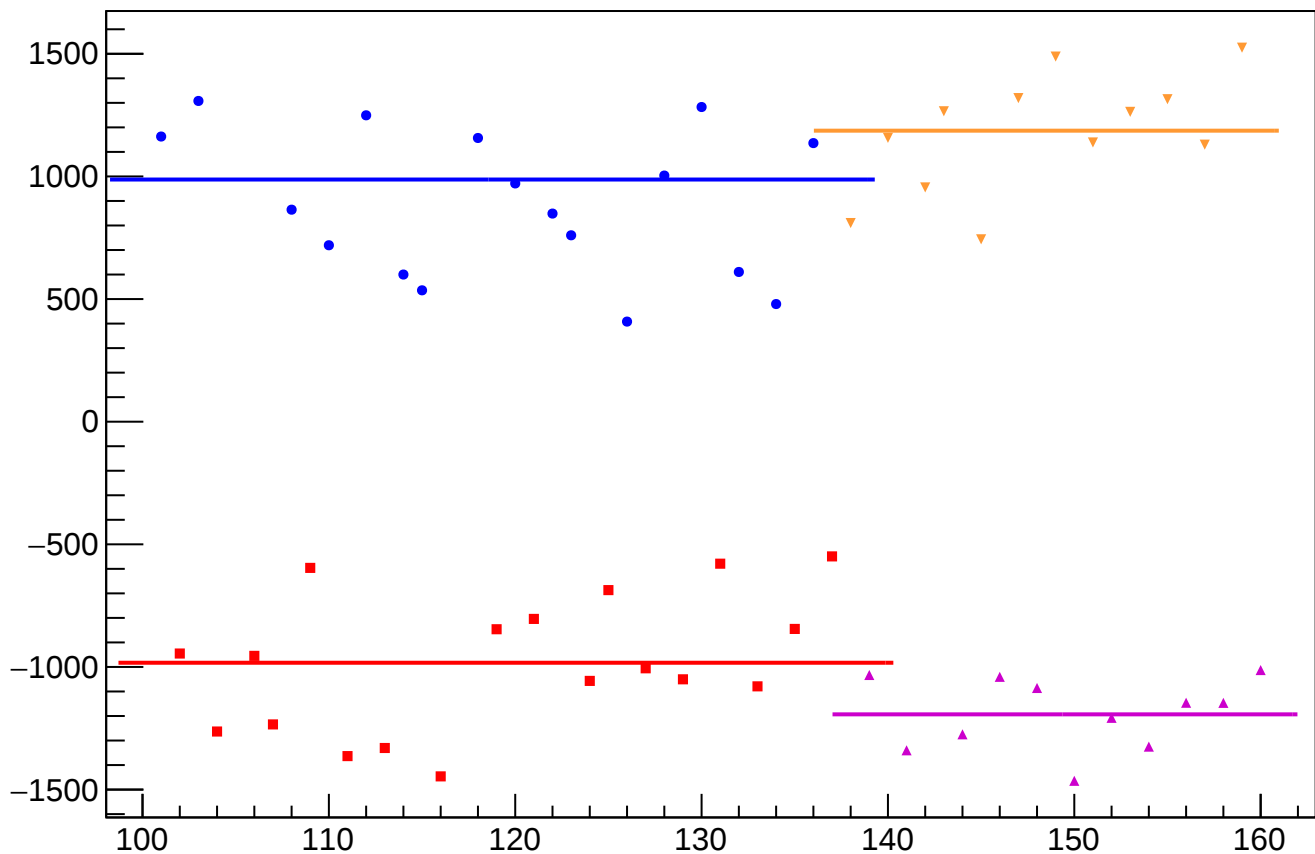
All: -5697.392+/-0.000 χ^2/NDF : 3853023790

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



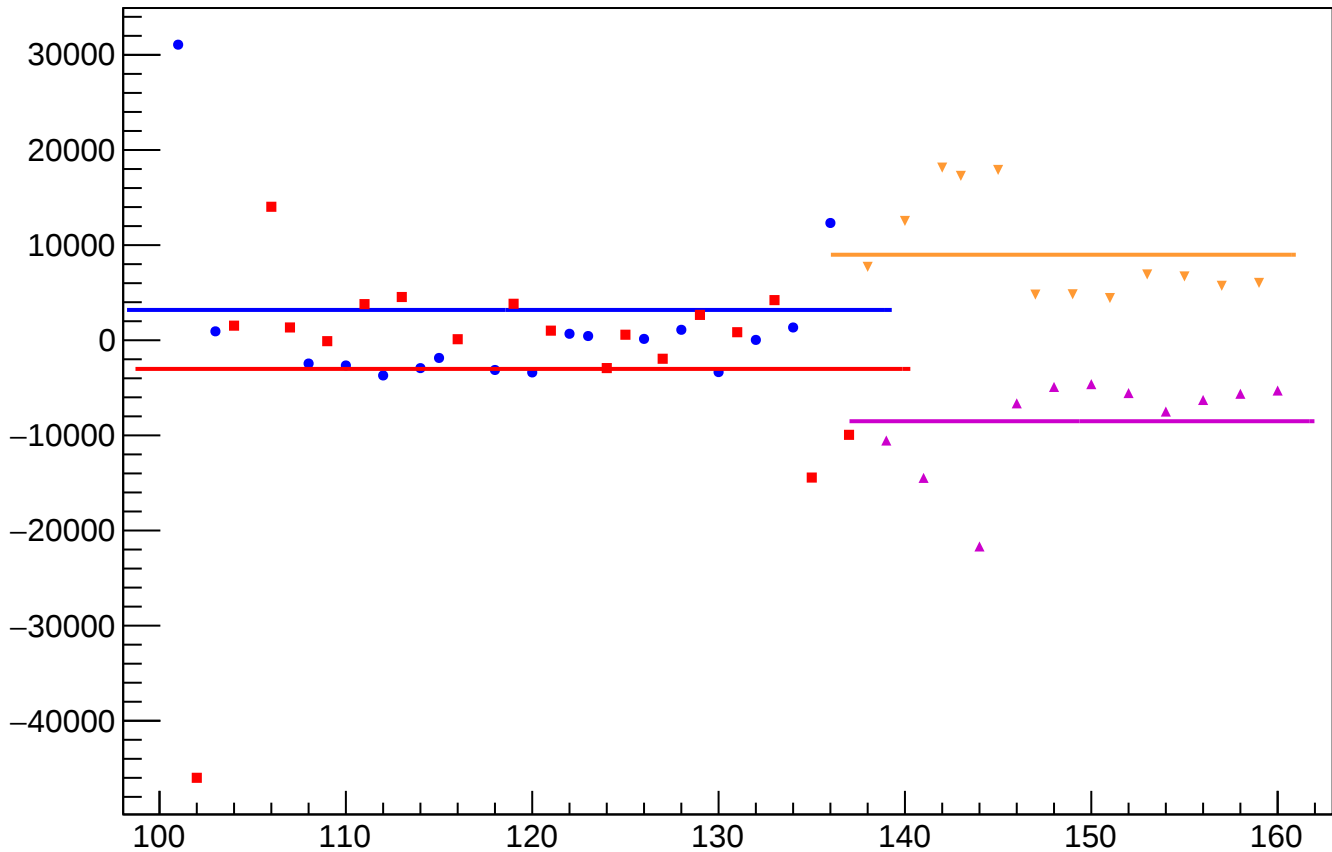
Right In: 2586.924+/-0.000 χ^2/NDF : 1122415737488478857695553804598689923072.0/16
 Left Out: 3094.875+/-0.000 χ^2/NDF : 1190700908263990863745595905660178923520.0/11
 Right Out: -2603.762+/-0.000 χ^2/NDF : 1547340202870581842616287406625719844864.0/17
 Left In: -3233.353+/-0.000 χ^2/NDF : 275364684617140508153597807706060619776.0/10
 All: -83.003+/-0.000 χ^2/NDF : 320659370232

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Left: -18.822 +/- 0.000 χ^2/NDF : 2676111842139268
 Right: -12.404 +/- 0.000 χ^2/NDF : 146772402174972
 In: -263.084 +/- 0.000 χ^2/NDF : 1963690344467940
 Out: 231.459 +/- 0.000 χ^2/NDF : 1981402088557405
 All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3187.051+/-0.000

χ^2/NDF : 66270389171193911836791515591398561677312.0/16

Left Out: 8990.897+/-0.000

χ^2/NDF : 22509101259112678607157462677691985559552.0/11

Right Out: -3012.400+/-0.000

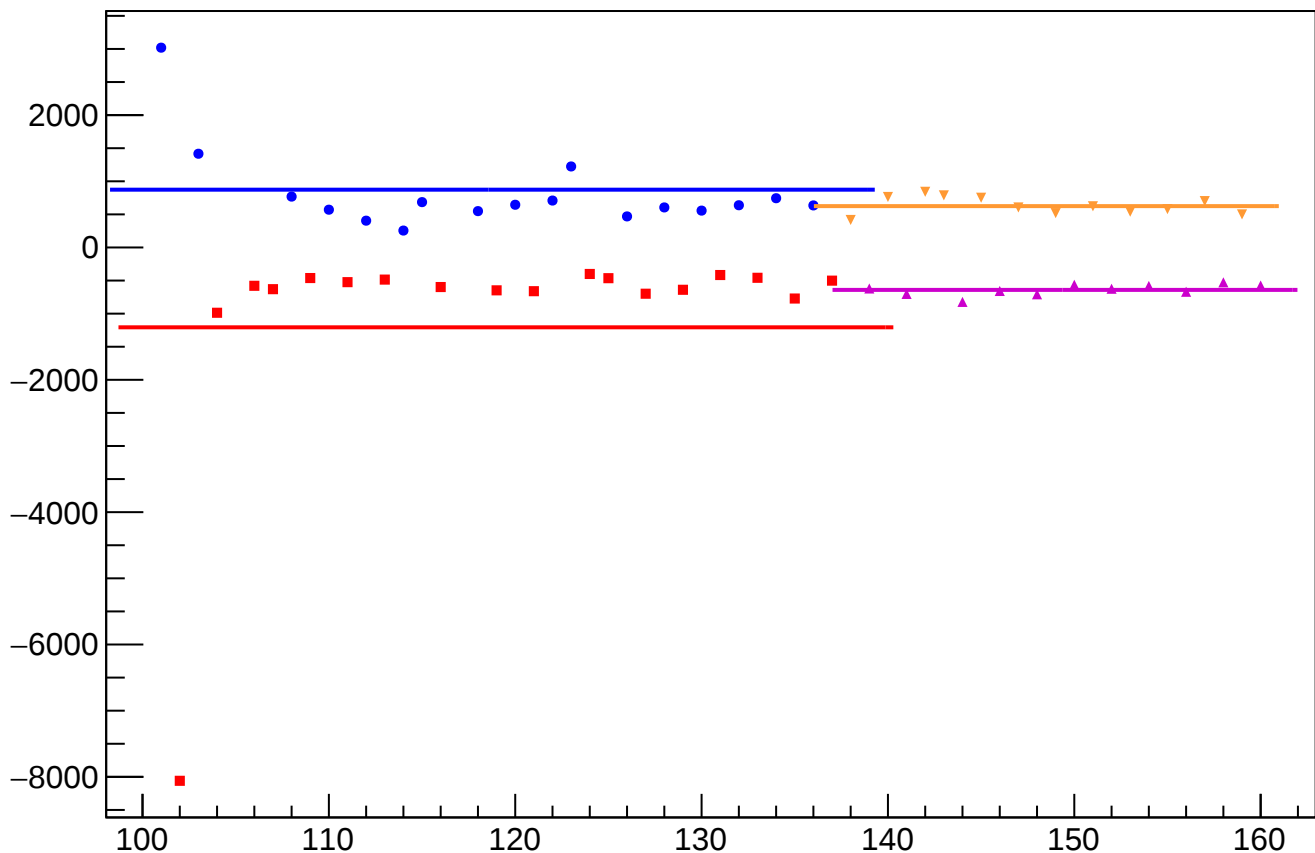
χ^2/NDF : 138157018088298657463529912150565226283008.0/17

Left In: -8511.318+/-0.000

χ^2/NDF : 24333332735687390089977674929475300622336.0/10

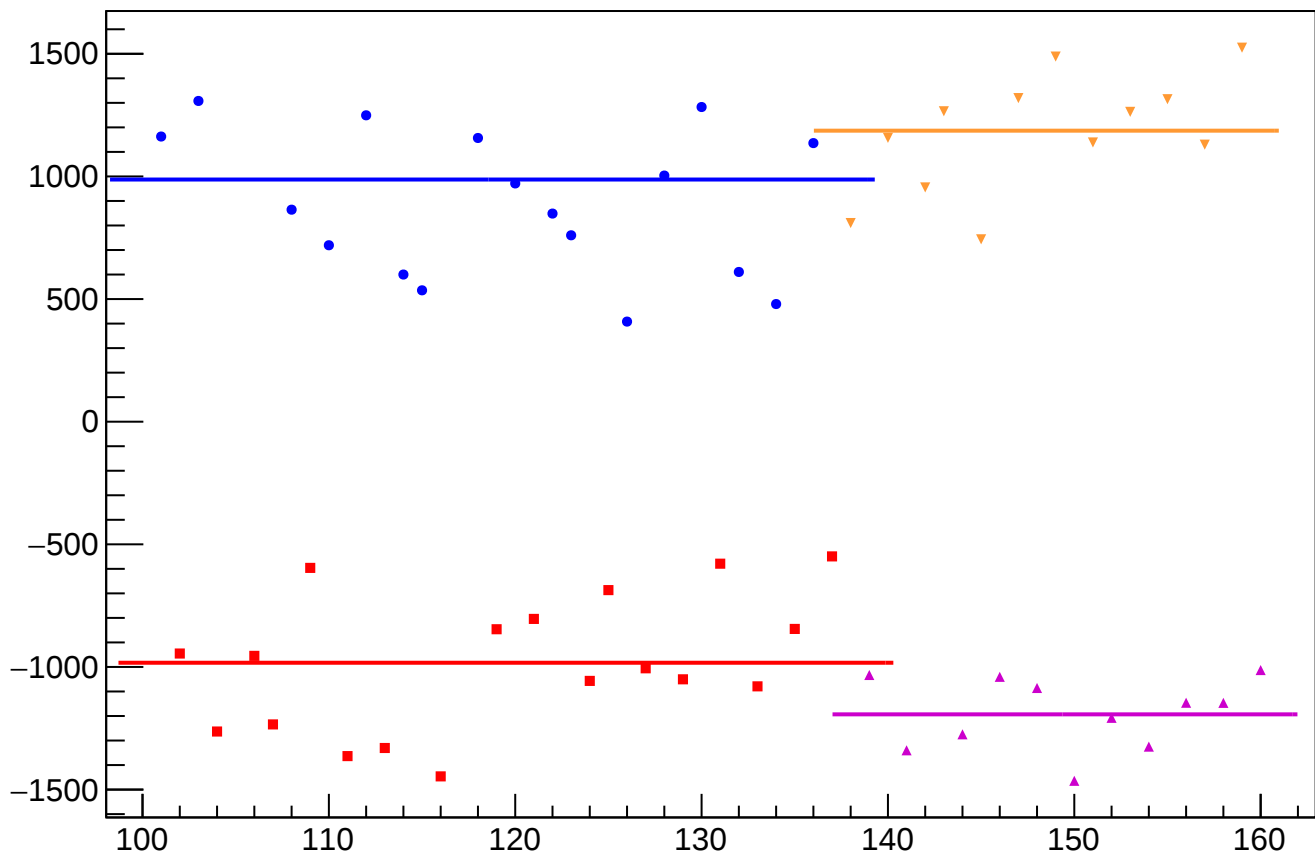
All: 89.084+/-0.000 χ^2/NDF : 4058505302621

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



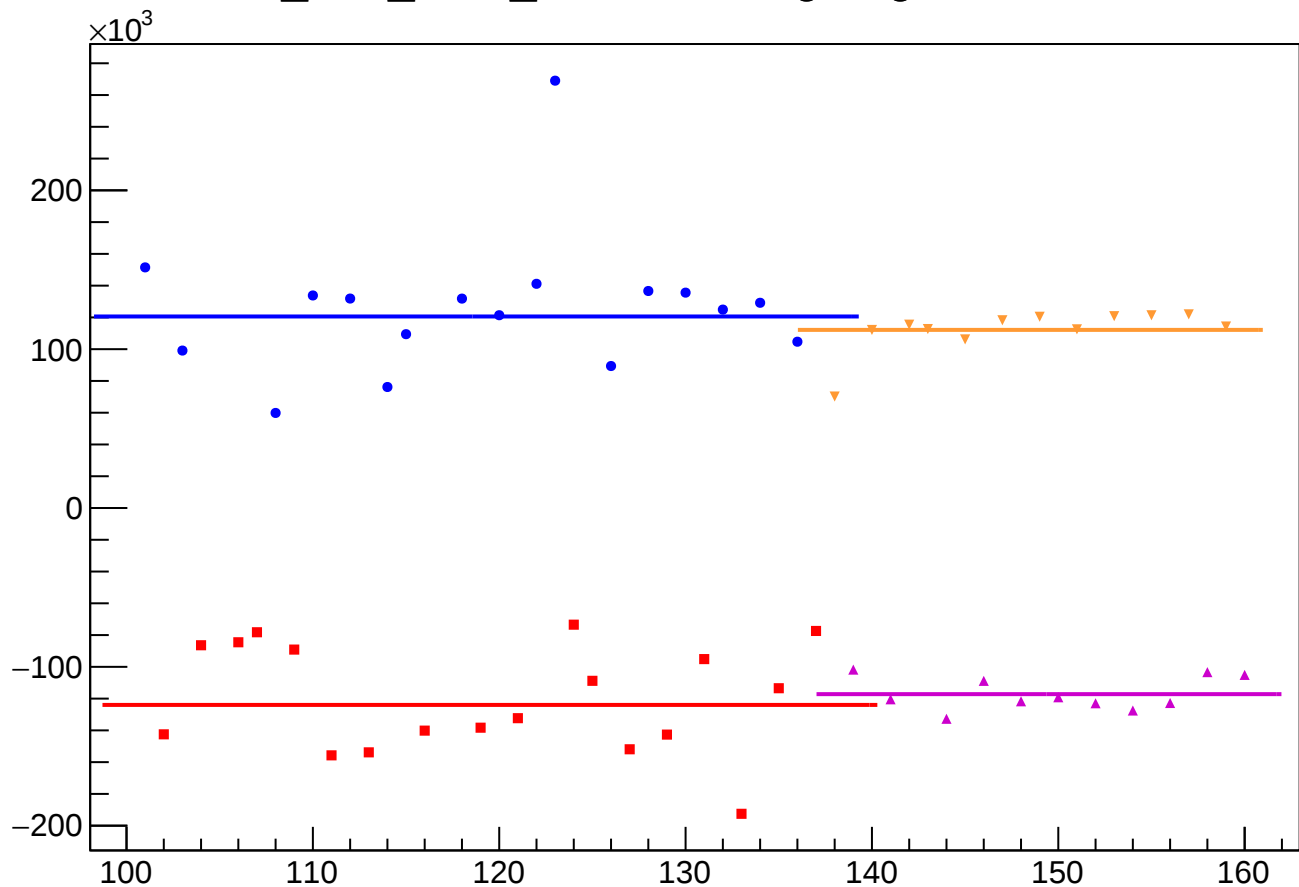
Right In: 873.306 ± 0.000 χ^2/NDF : 340993590653355605867273192516364533760.0/16
 Left Out: 624.813 ± 0.000 χ^2/NDF : 13578620393793038879015873058055389184.0/11
 Right Out: -1206.661 ± 0.000 χ^2/NDF : 2979483538609797767268010500388070359040.0/17
 Left In: -641.139 ± 0.000 χ^2/NDF : 604973887802963625692620261114180608.0/10
 All: -88.255 ± 0.000 χ^2/NDF : 562351898294

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected

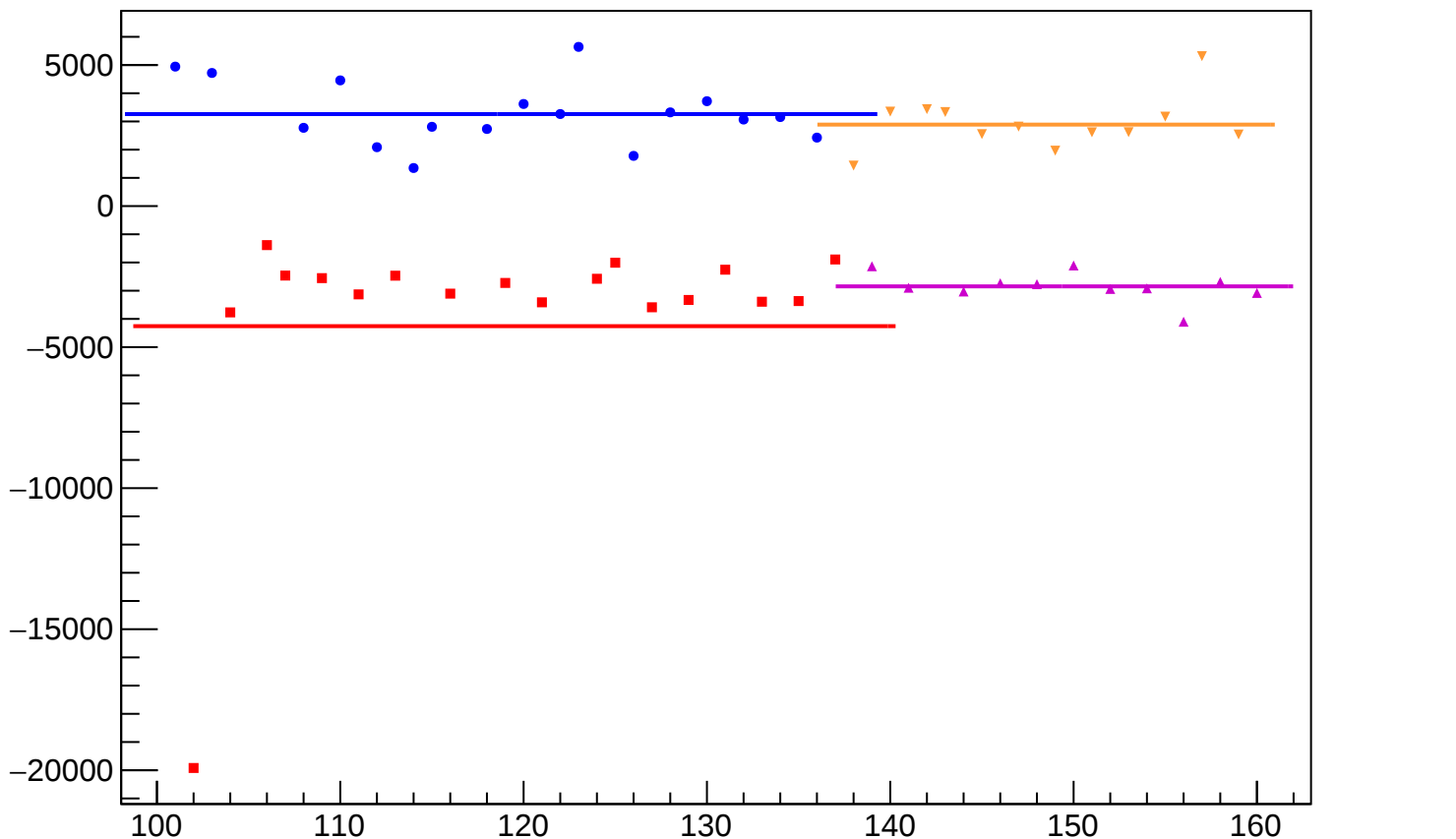


Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_atr2_coil7_mean vs Slug, Sign Corrected

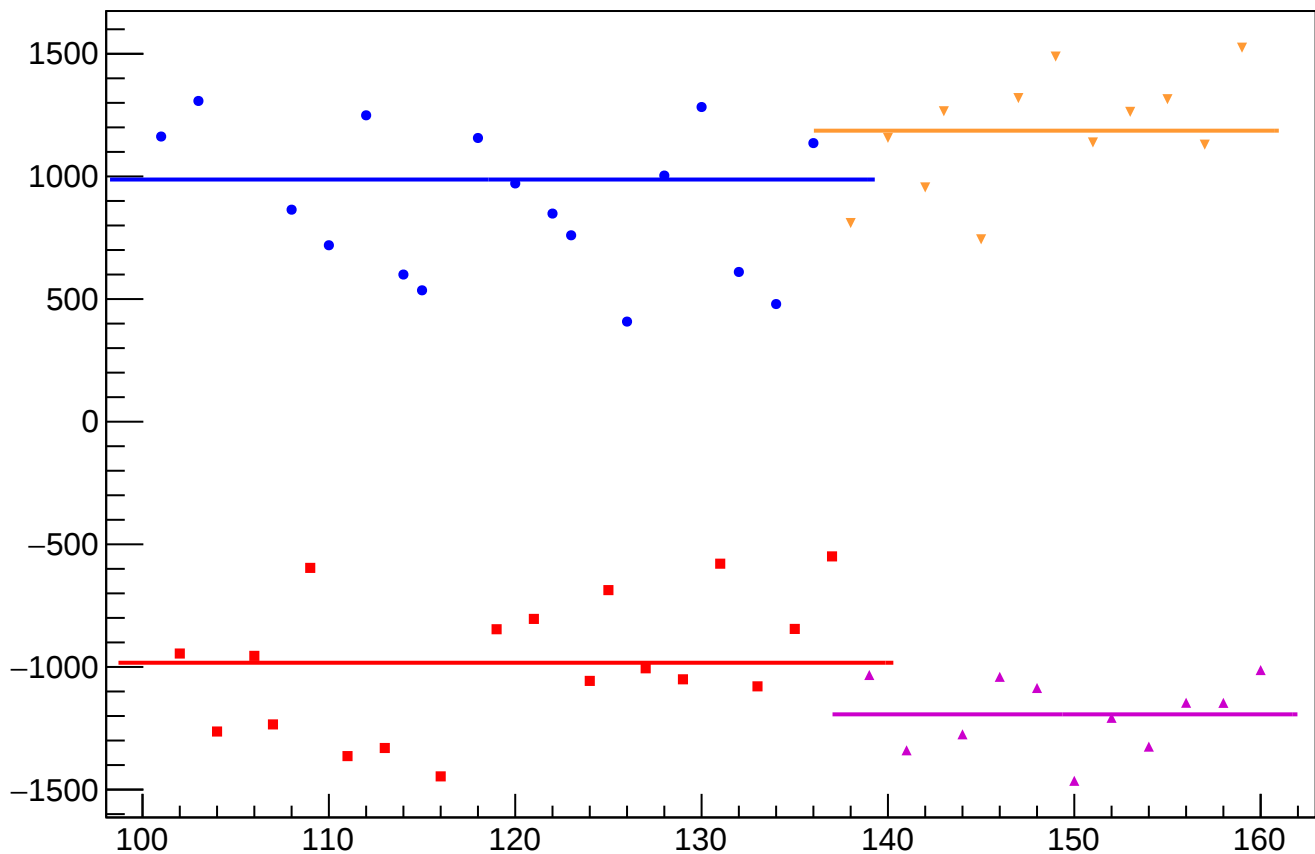


dit_atr2_coil7_err_mean vs Slug, Sign Corrected



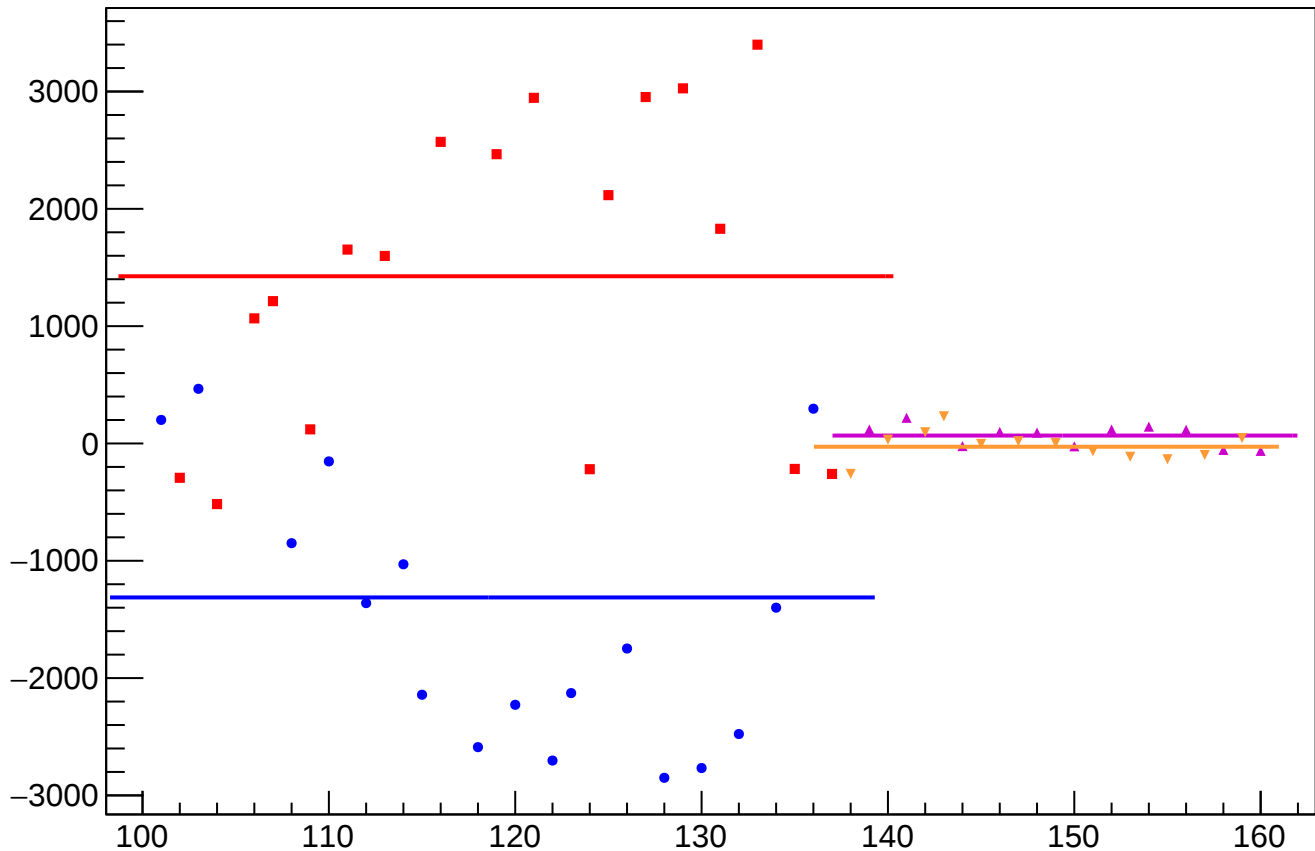
Right In: 3260.820+/-0.000 χ^2/NDF : 672456168638567614426723356415113560064.0/16
 Left Out: 2888.367+/-0.000 χ^2/NDF : 753668821958591987367767496119843553280.0/11
 Right Out: -4256.861+/-0.000 χ^2/NDF : 15744364448860197338037677656678376407040.0/17
 Left In: -2846.533+/-0.000 χ^2/NDF : 228998195535204617287883903315551977472.0/10
 All: -249.442+/-0.000 χ^2/NDF : 52676234483

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_sam1_coil7_mean vs Slug, Sign Corrected



Right In: -1312.539+/-0.000 χ^2/NDF : 1111791822009253468495433607153226612736.0/16

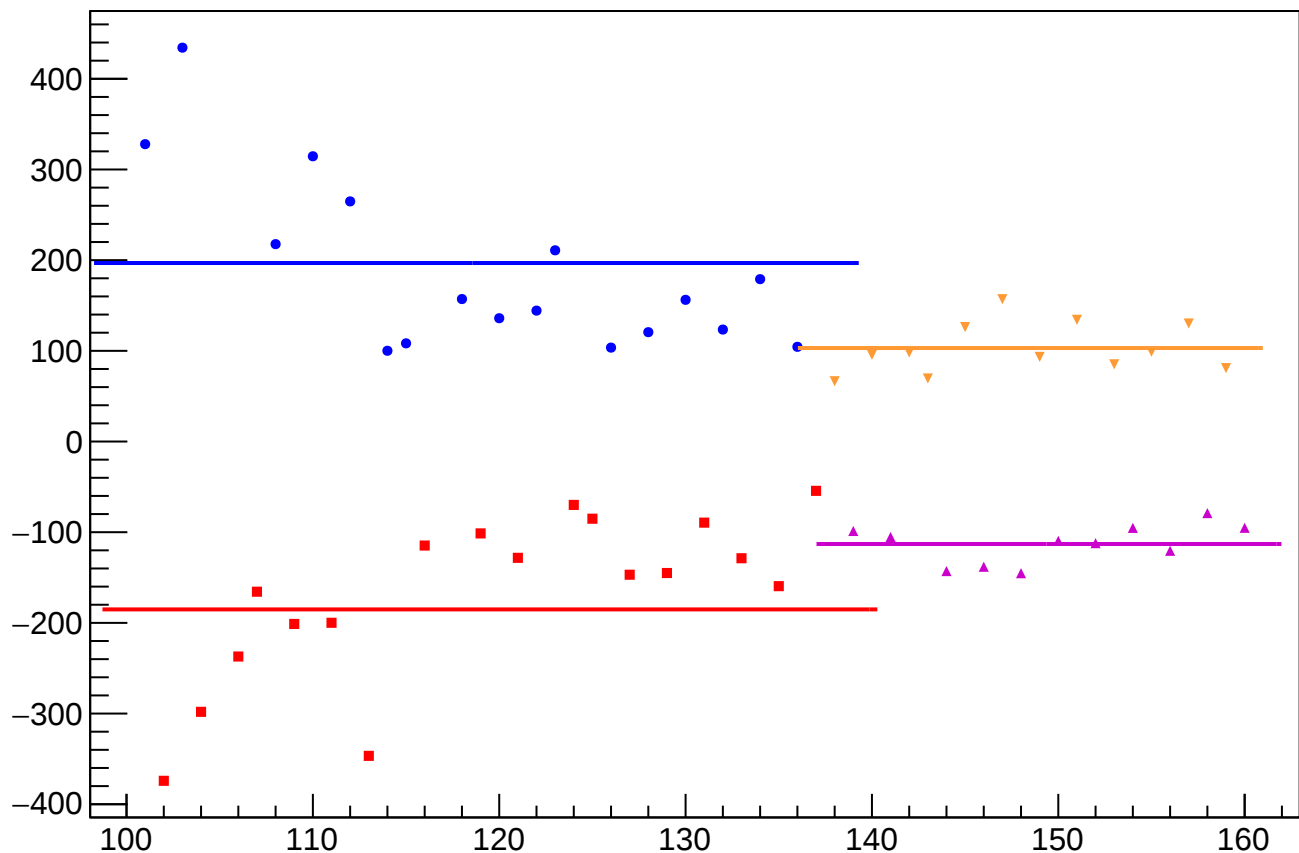
Left Out: -27.898+/-0.000 χ^2/NDF : 12443192627710109481350397021099393024.0/11

Right Out: 1425.319+/-0.000 χ^2/NDF : 1259772432394270570555753847649915109376.0/17

Left In: 67.340+/-0.000 χ^2/NDF : 7344542288743460655103542950920978432.0/10

All: 44.808+/-0.000 χ^2/NDF : 5037903368261

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Right In: 196.858+/-0.000

χ^2/NDF : 7337666778319090402870822115647422464.0/16

Left Out: 103.111+/-0.000

χ^2/NDF : 658393761495499558426534507754553344.0/11

Right Out: -185.135+/-0.000

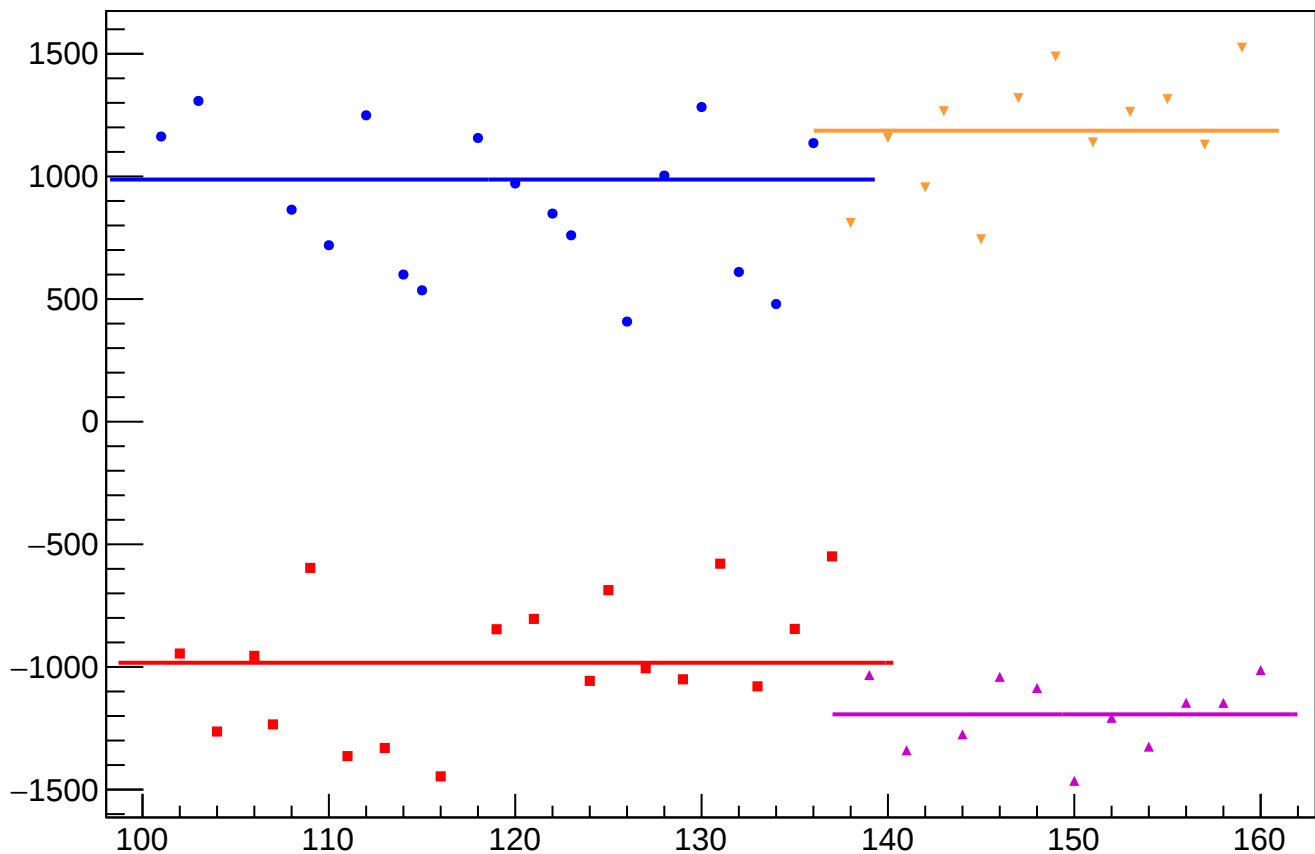
χ^2/NDF : 6160706554997434160213032977968398336.0/17

Left In: -113.009+/-0.000

χ^2/NDF : 394825243882053718517351386298974208.0/10

All: -2.295+/-0.000 χ^2/NDF : 8751541614442

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594+/-0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831+/-0.000

χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

Left: -18.822+/-0.000 χ^2/NDF : 2676111842139268

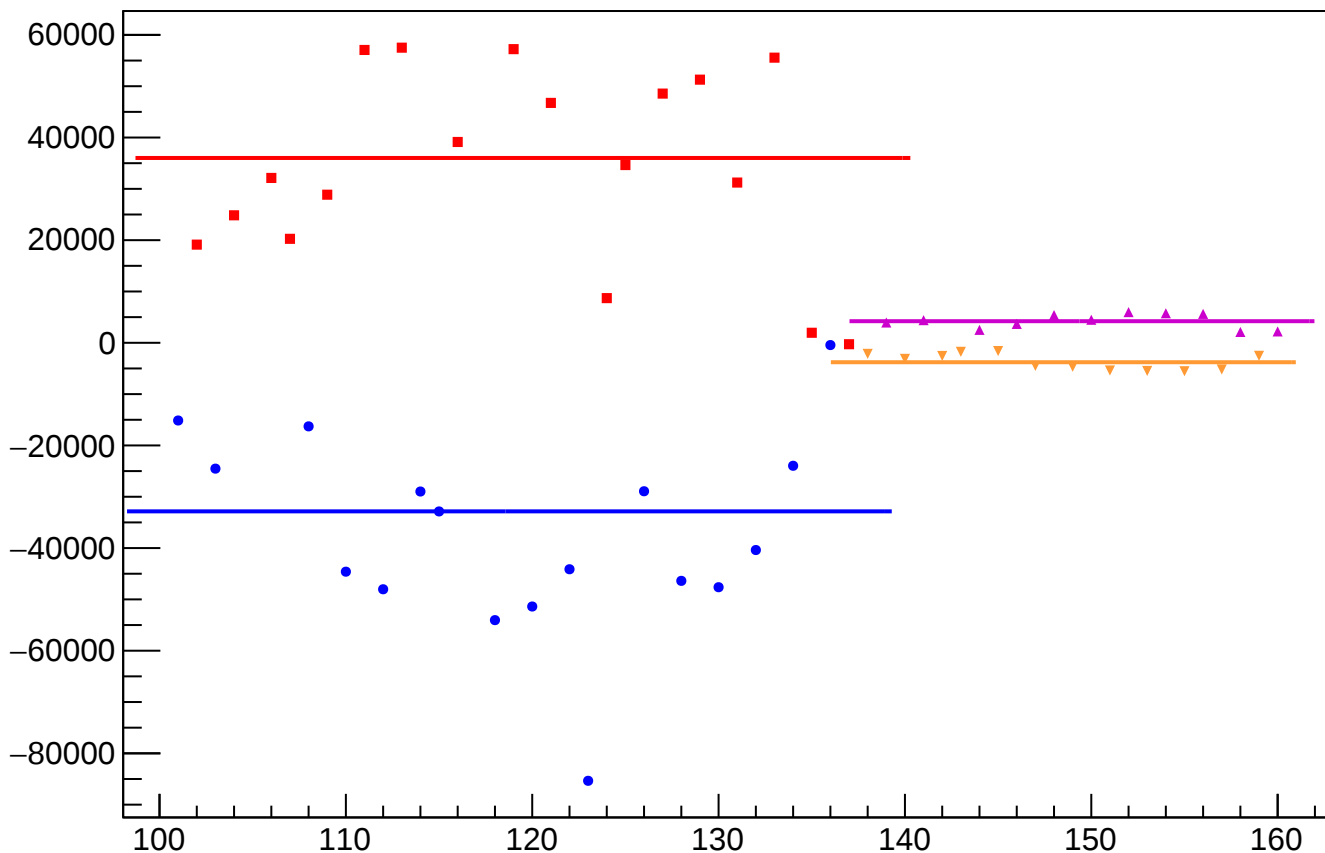
Right: -12.404+/-0.000 χ^2/NDF : 146772402174972

In: 263.084+/-0.000 χ^2/NDF : 1963690344467940

Out: 231.459+/-0.000 χ^2/NDF : 1981402088557405

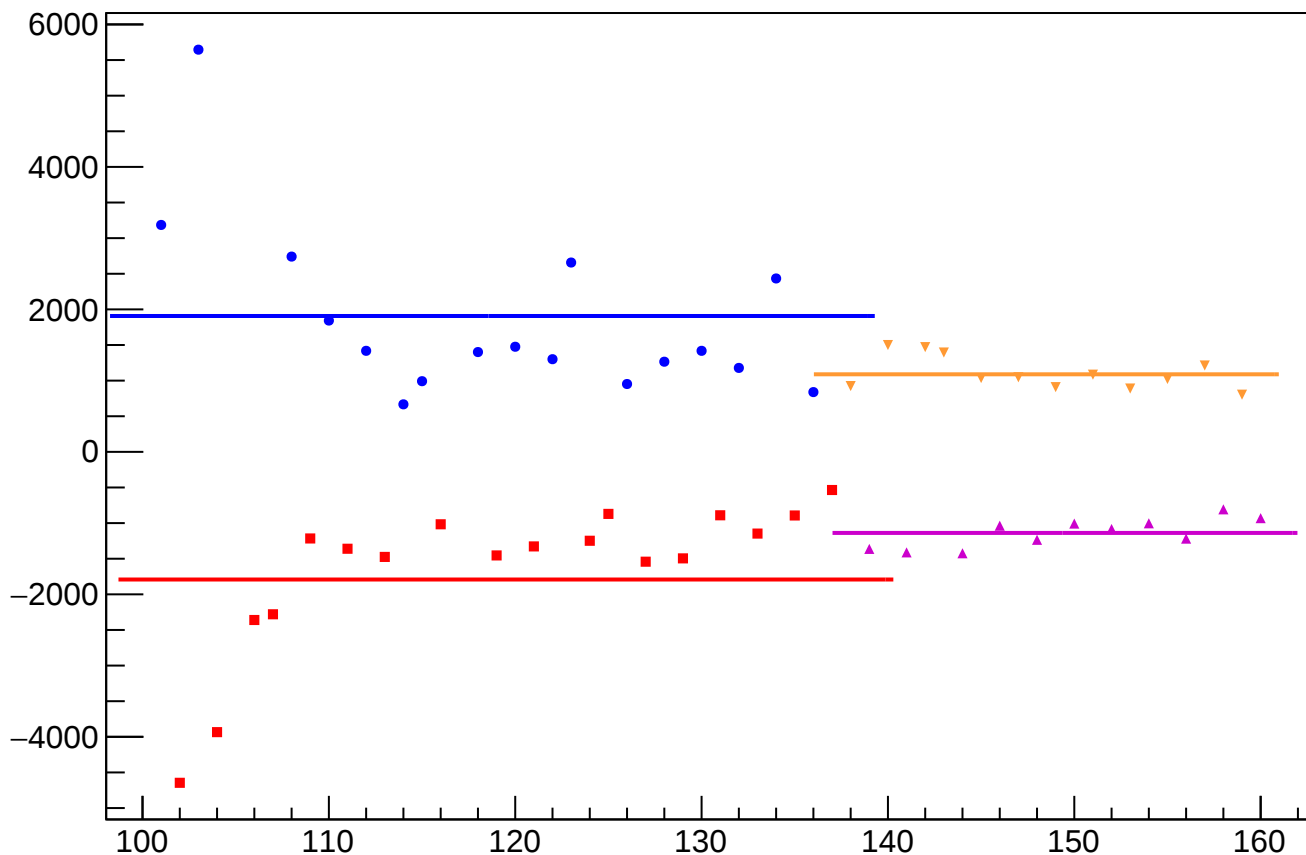
All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_sam2_coil7_mean vs Slug, Sign Corrected



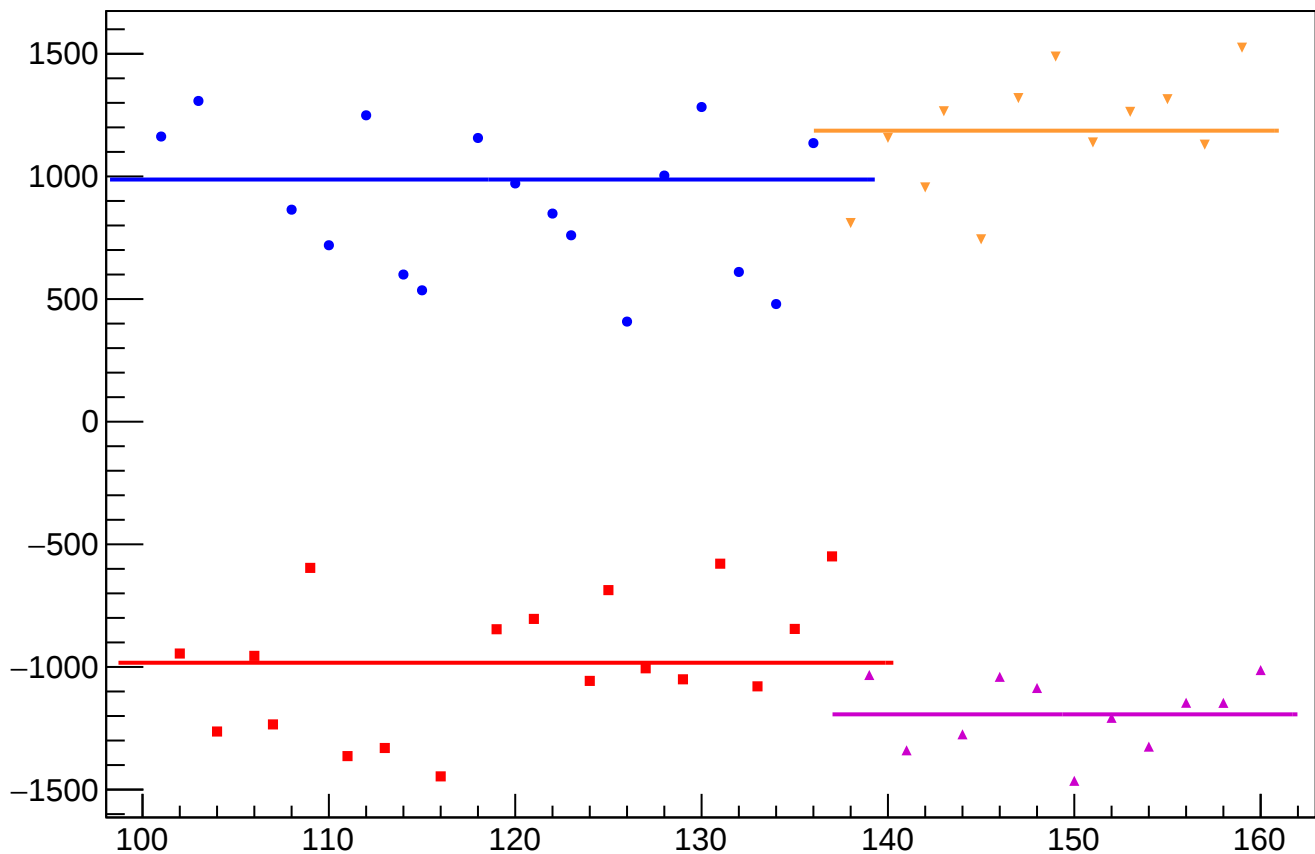
Left: 264.500+/-0.000 χ^2/NDF : 3320507875452057
 Right In: -32846.038+/-0.000 χ^2/NDF : 219637368732777746312600570455176987541504.0/16
 Right: 2099.121+/-0.000 χ^2/NDF : 21185895144652
 Left Out: -3785.473+/-0.000 χ^2/NDF : 2024140029118734707580792113032155103232.0/11
 In: -11596.157+/-0.000 χ^2/NDF : 76786767072050
 Right Out: 36017.918+/-0.000 χ^2/NDF : 228867649175680979480074989628486510968832.0/17
 Out: 13738.803+/-0.000 χ^2/NDF : 86494254988186
 Left In: 4210.293+/-0.000 χ^2/NDF : 1745128048653719102038328653644061212672.0/10
 All: 1059.634+/-0.000 χ^2/NDF : 21544816464

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



Right In: 1907.271+/-0.000 χ^2/NDF : 1224904405299911350916968067746563620864.0/16
 Left Out: 1088.725+/-0.000 χ^2/NDF : 43426775502308875672481877774003339264.0/11
 Right Out: -1791.825+/-0.000 χ^2/NDF : 941640864566938486349149292441762791424.0/17
 Left In: -1137.882+/-0.000 χ^2/NDF : 35720611822327029625984911153333010432.0/10
 All: -9.075+/-0.000 χ^2/NDF : 9351066606188

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594+/-0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831+/-0.000

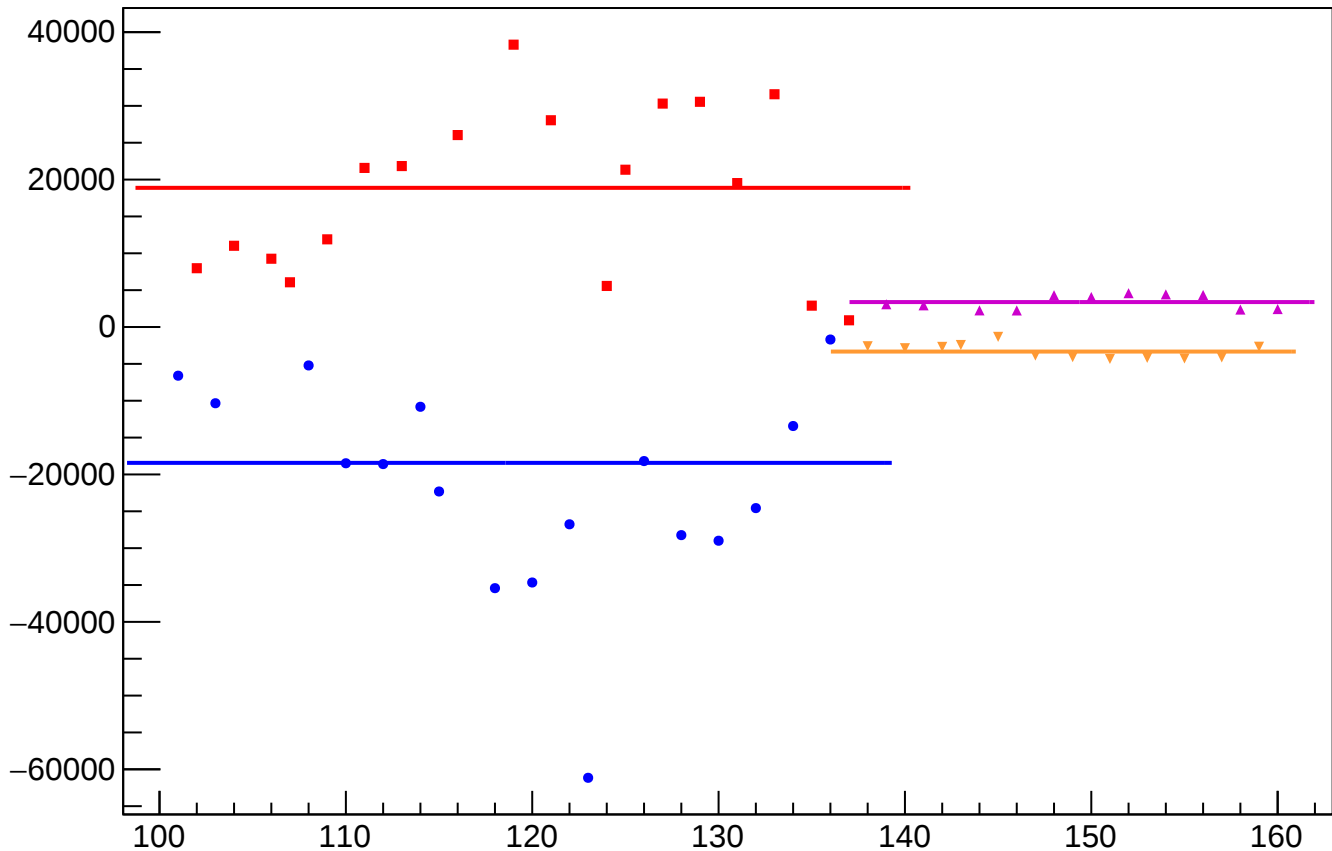
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_sam3_coil7_mean vs Slug, Sign Corrected



Right In: -18428.768+/-0.000

χ^2/NDF : 91790167940984507561863911678204862005248.0/16

Left Out: -3330.218+/-0.000

χ^2/NDF : 801638931401536809328175362972460253184.0/11

Right Out: 18880.571+/-0.000

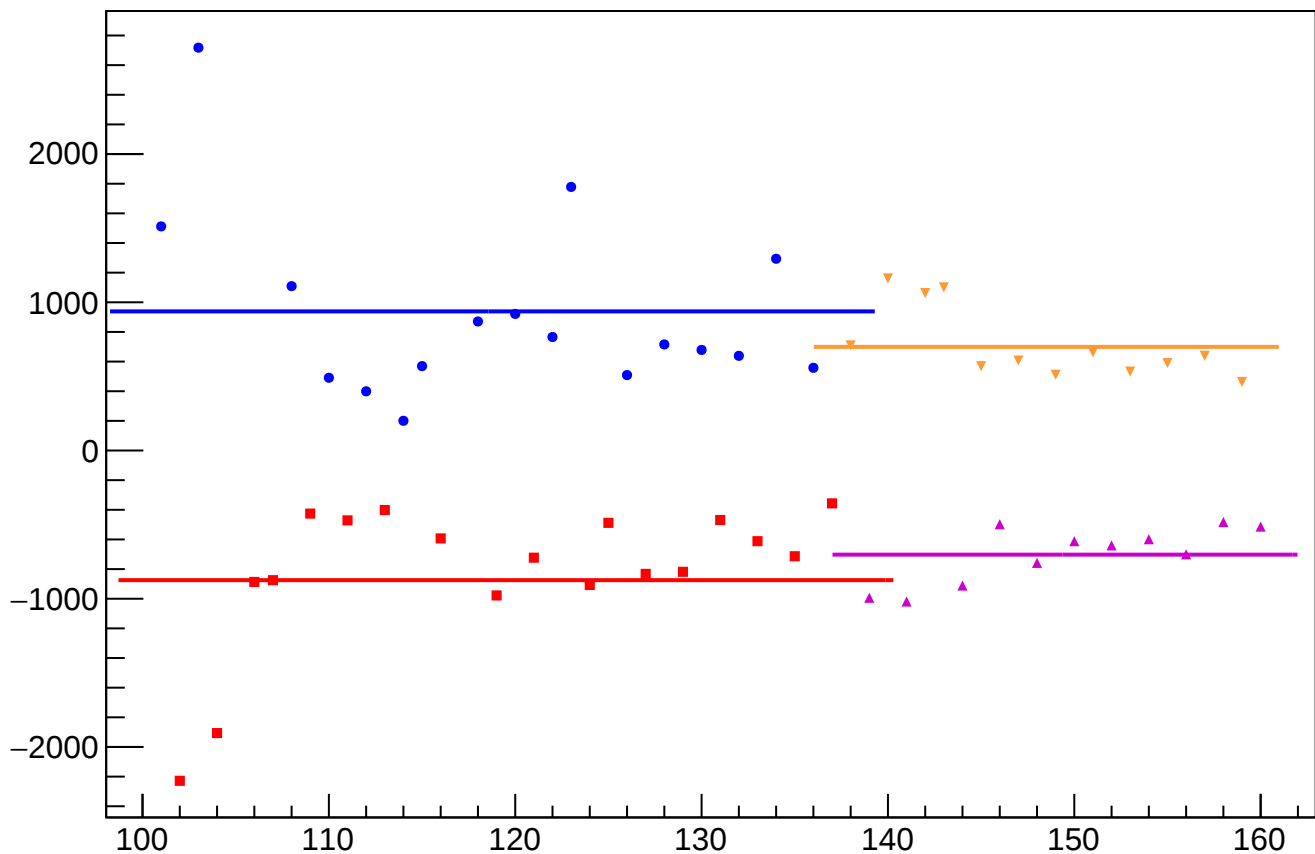
χ^2/NDF : 85627666736634579824962235279591398703104.0/17

Left In: 3383.309+/-0.000

χ^2/NDF : 816279200160971630569460981745055694848.0/10

All: 258.229+/-0.000 χ^2/NDF : 690156206365

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



Right In: 938.658+/-0.000

χ^2/NDF : 274123287156186942430302567816841134080.0/16

Left: -10.814+/-0.000 χ^2/NDF : 9840586454746363

Right: 18.480+/-0.000 χ^2/NDF : 1644825947456125

Left Out: 699.181+/-0.000

χ^2/NDF : 47485076871287899089179265063714816000.0/11

In: -2.487+/-0.000 χ^2/NDF : 137800176451406889

Right Out: -874.671+/-0.000

χ^2/NDF : 212705560210060381413787152265269739520.0/17

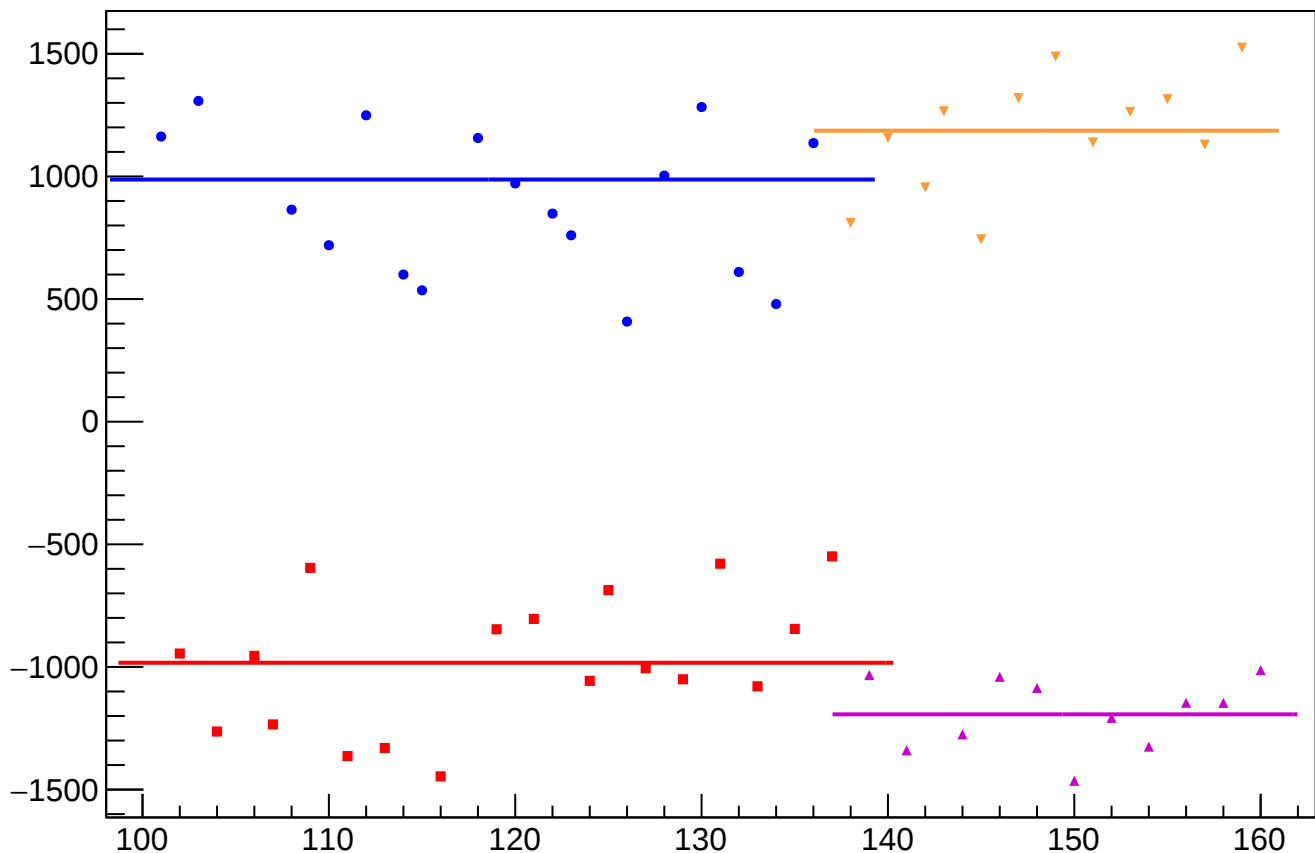
Out: 6.260+/-0.000 χ^2/NDF : 125150572862786669

Left In: -702.545+/-0.000

χ^2/NDF : 31919745309700759426030449402090356736.0/10

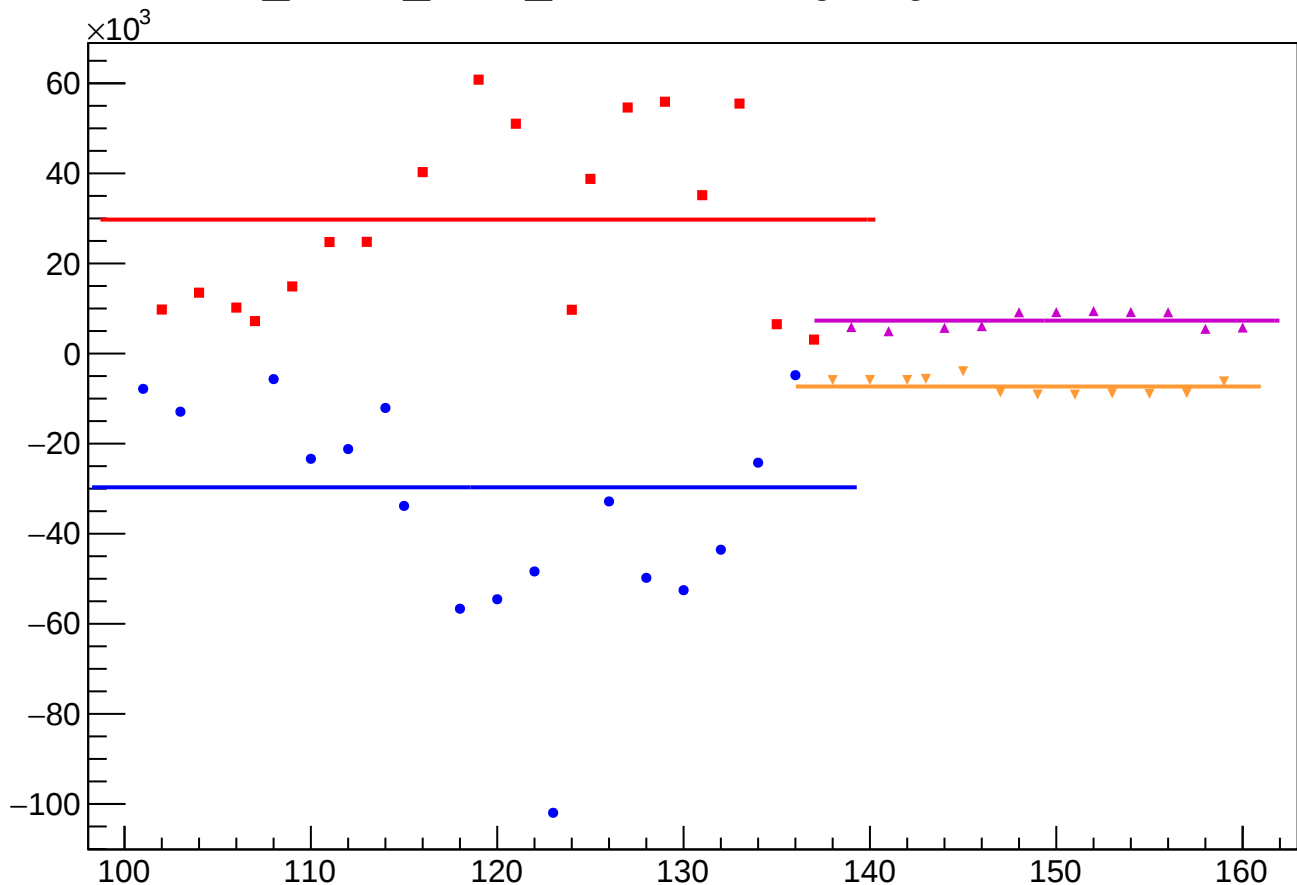
All: 1.882+/-0.000 χ^2/NDF : 2629569674694

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 $\pm$ 0.000 χ^2 /NDF: 52571386835815299758771040245189181440.0/16
 Left Out: 1186.594 $\pm$ 0.000 χ^2 /NDF: 49763362019555548841298308984106647552.0/11
 Right Out: -982.831 $\pm$ 0.000 χ^2 /NDF: 48106250951114292454819733992816771072.0/17
 Left In: -1193.230 $\pm$ 0.000 χ^2 /NDF: 18719715189237327364686937904868491264.0/10
 All: -16.040 $\pm$ 0.000 χ^2 /NDF: 414386874879

dit_sam4_coil7_mean vs Slug, Sign Corrected



Right In: -29694.846 $\pm$ 0.000

χ^2 /NDF: 282999478252028644685471433230520510578688.0/16

Left Out: -7317.919 $\pm$ 0.000

χ^2 /NDF: 2833730252125360195766219580881057611776.0/11

Right Out: 29744.384 $\pm$ 0.000

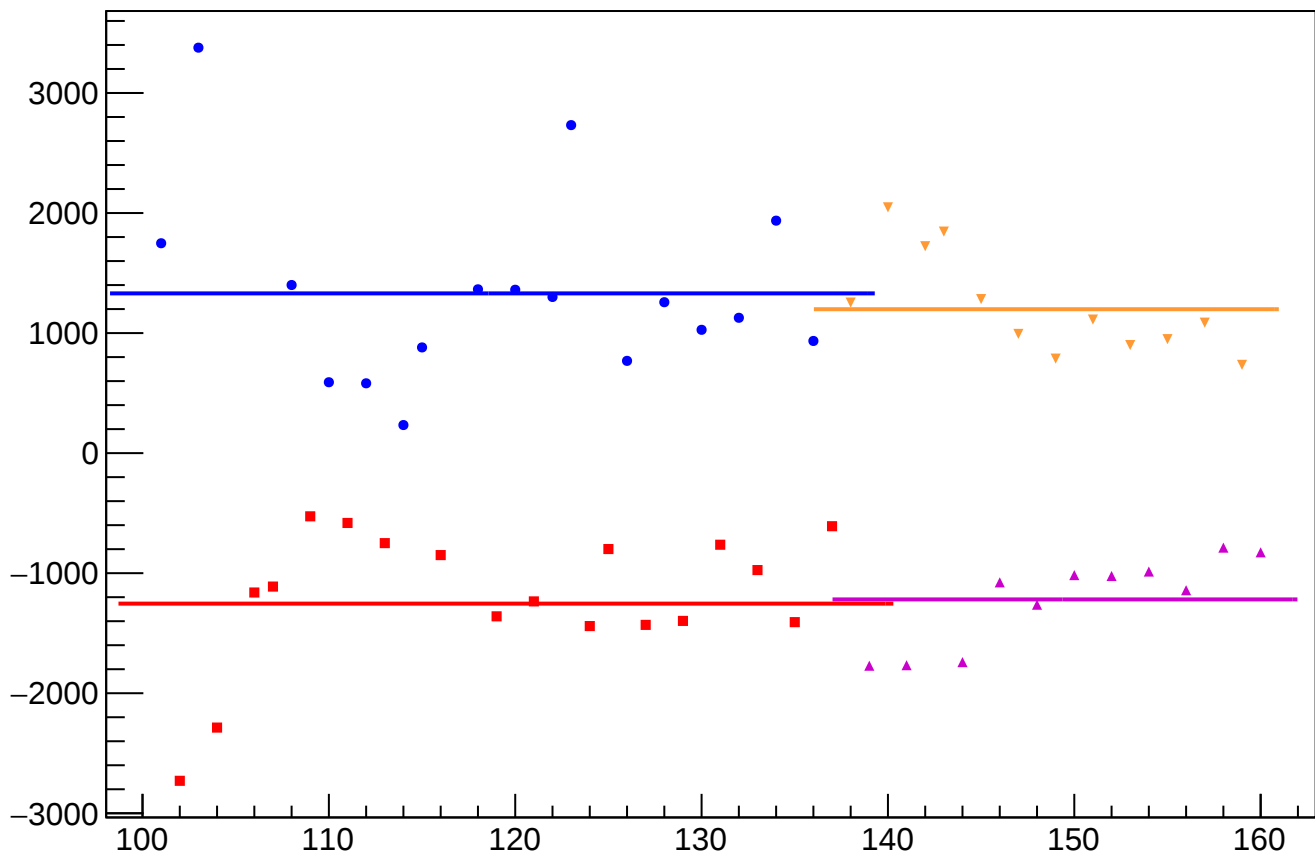
χ^2 /NDF: 283667805670372144788905534129497910018048.0/17

Left In: 7312.611 $\pm$ 0.000

χ^2 /NDF: 3060303804070457713816420667232681459712.0/10

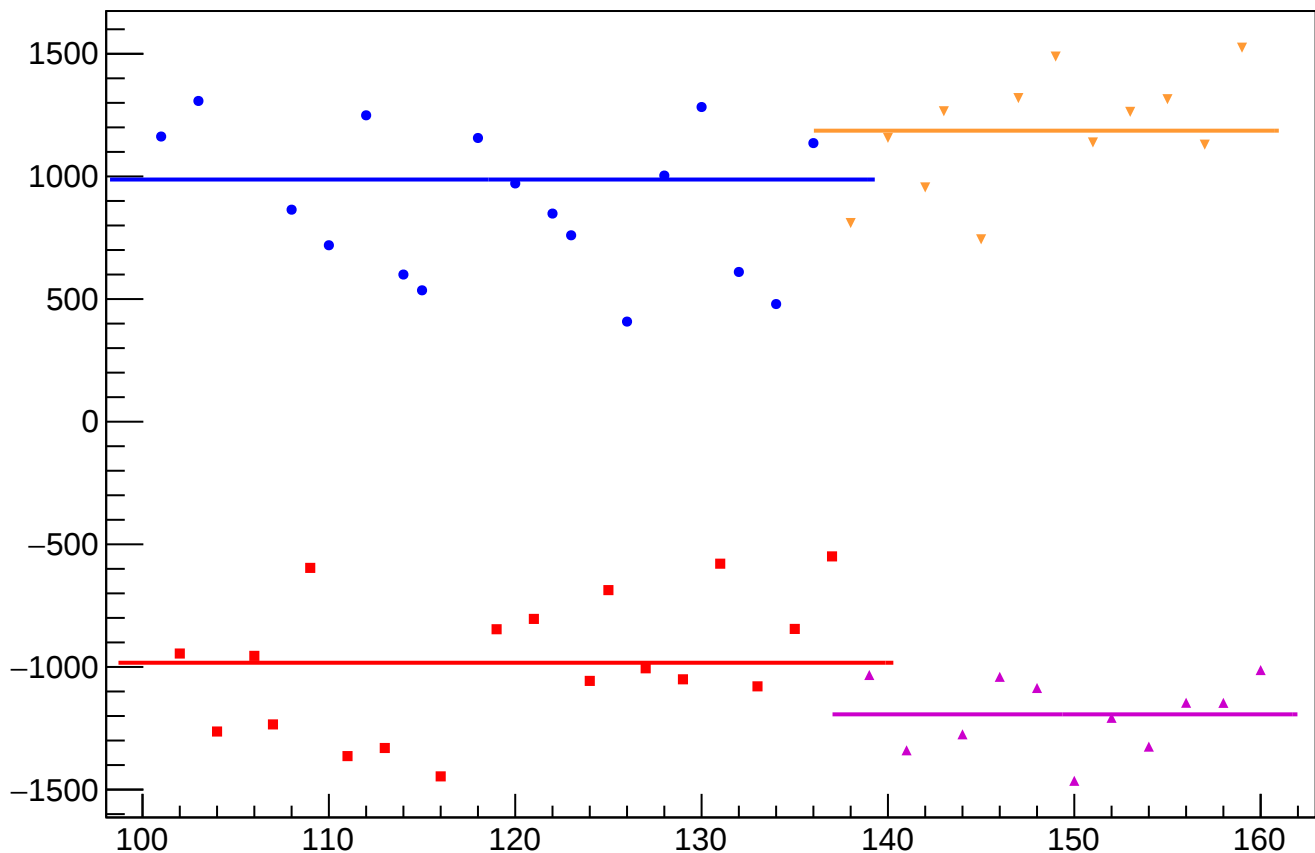
All: 255.210 $\pm$ 0.000 χ^2 /NDF: 191545862718

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



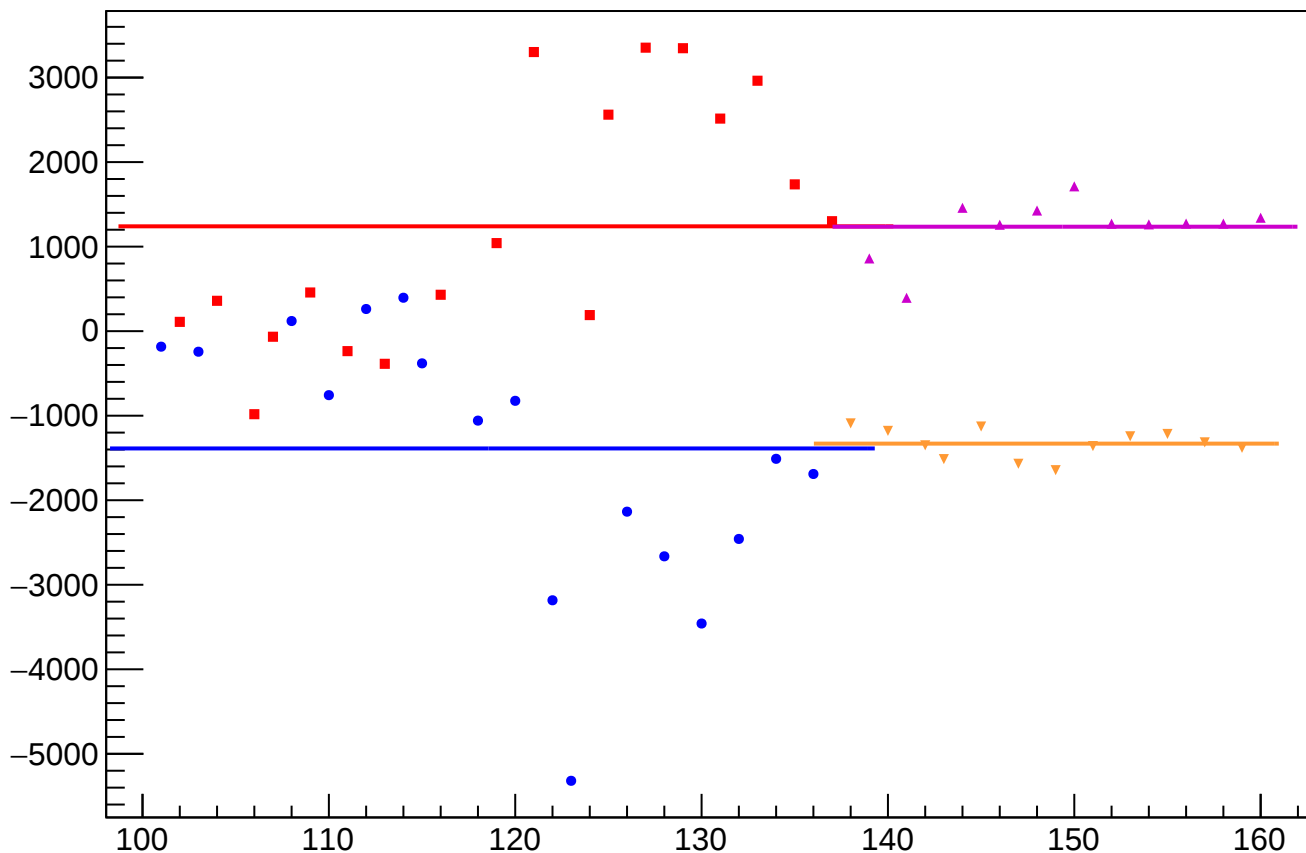
Right In: 1330.668+/-0.000 χ^2/NDF : 371034150705348959312326123153556242432.0/16
 Left Out: 1198.833+/-0.000 χ^2/NDF : 149280196072306589418447697644691128320.0/11
 Right Out: -1253.657+/-0.000 χ^2/NDF : 276351047411985398179849131600767877120.0/17
 Left In: -1218.551+/-0.000 χ^2/NDF : 116488756058911306830868466308868997120.0/10
 All: -6.167+/-0.000 χ^2/NDF : 5957409460373

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1387.447+/-0.000

Left Out: -1330.420+/-0.000

Right Out: 1240.179+/-0.000

Left In: 1235.621+/-0.000

χ^2/NDF : 1052649963447979198116034562243591929856.0/16

χ^2/NDF : 26483457480768378875041680320691699712.0/11

χ^2/NDF : 1416369744921748520391717301088168181760.0/17

χ^2/NDF : 101175024554514162187059760134266814464.0/10

Left: -30.683+/-0.000 χ^2/NDF : 3159337559694203

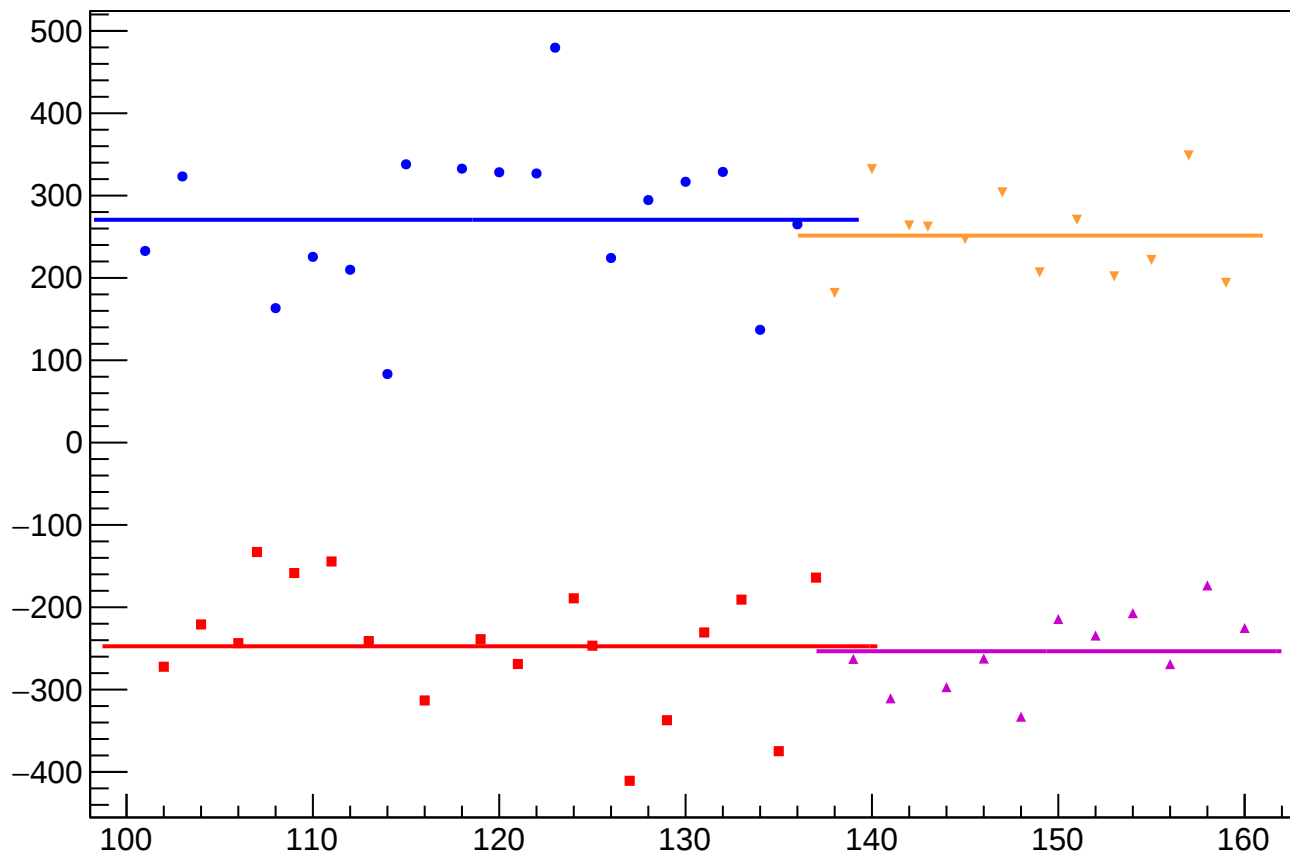
Right: -54.053+/-0.000 χ^2/NDF : 490056143046603

In: 116.746+/-0.000 χ^2/NDF : 38920726643597010

Out: -198.660+/-0.000 χ^2/NDF : 408740909485264

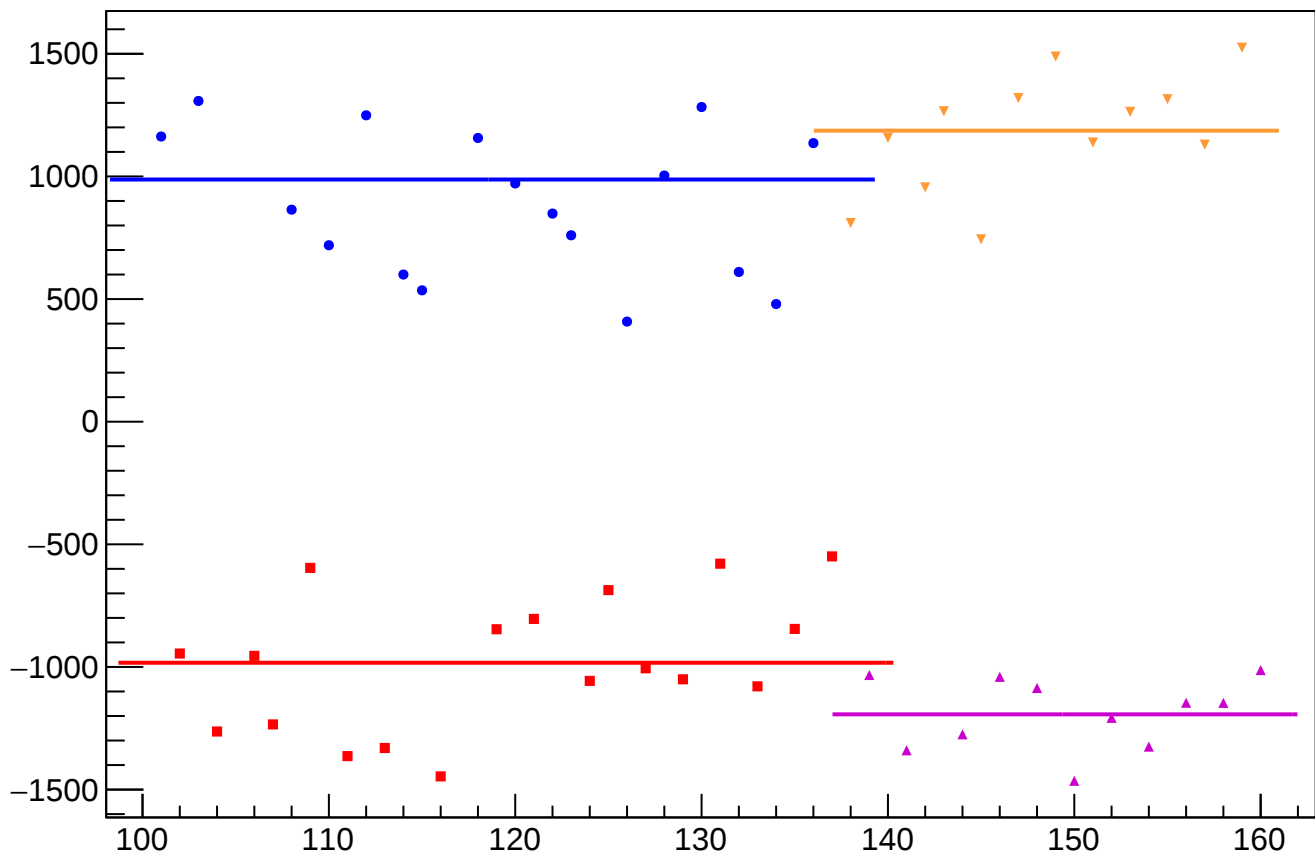
All: -40.811+/-0.000 χ^2/NDF : 806033500101

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



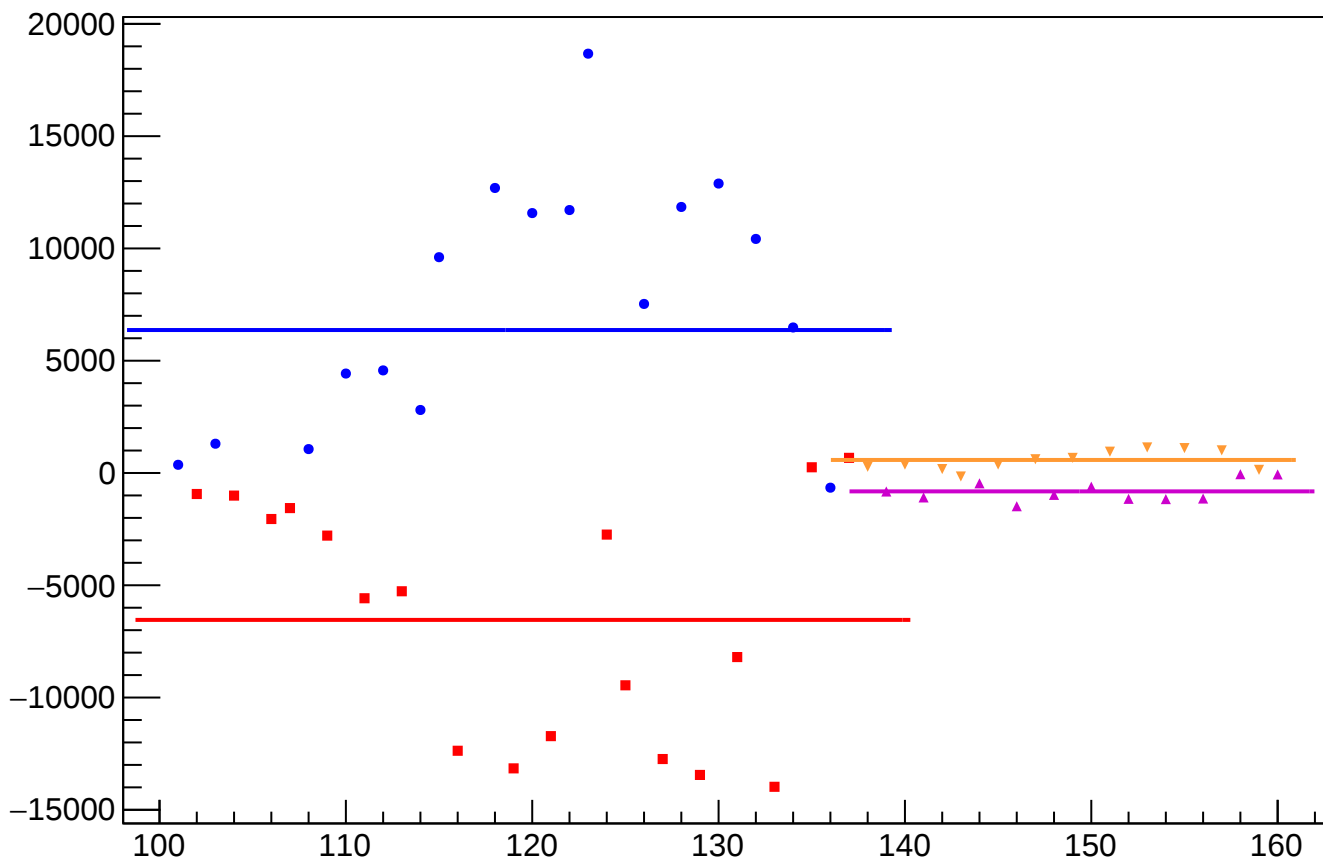
Left: -4.274 ± 0.000 $\chi^2/\text{NDF}: 12188204109454759$
 Right In: 270.634 ± 0.000 $\chi^2/\text{NDF}: 2782961301444799640631413817001115648.0/16$
 Right: 7.759 ± 0.000 $\chi^2/\text{NDF}: 10143508305852927$
 Left Out: 251.431 ± 0.000 $\chi^2/\text{NDF}: 2584936508665838554891763249678647296.0/11$
 In: -29.873 ± 0.000 $\chi^2/\text{NDF}: 11402759697940028$
 Right Out: -247.395 ± 0.000 $\chi^2/\text{NDF}: 4145415912975495896207578940101885952.0/17$
 Out: 31.812 ± 0.000 $\chi^2/\text{NDF}: 10631259218301621$
 Left In: -253.400 ± 0.000 $\chi^2/\text{NDF}: 1956558228349454722124070225585373184.0/10$
 All: 0.941 ± 0.000 $\chi^2/\text{NDF}: 22343270830260$

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



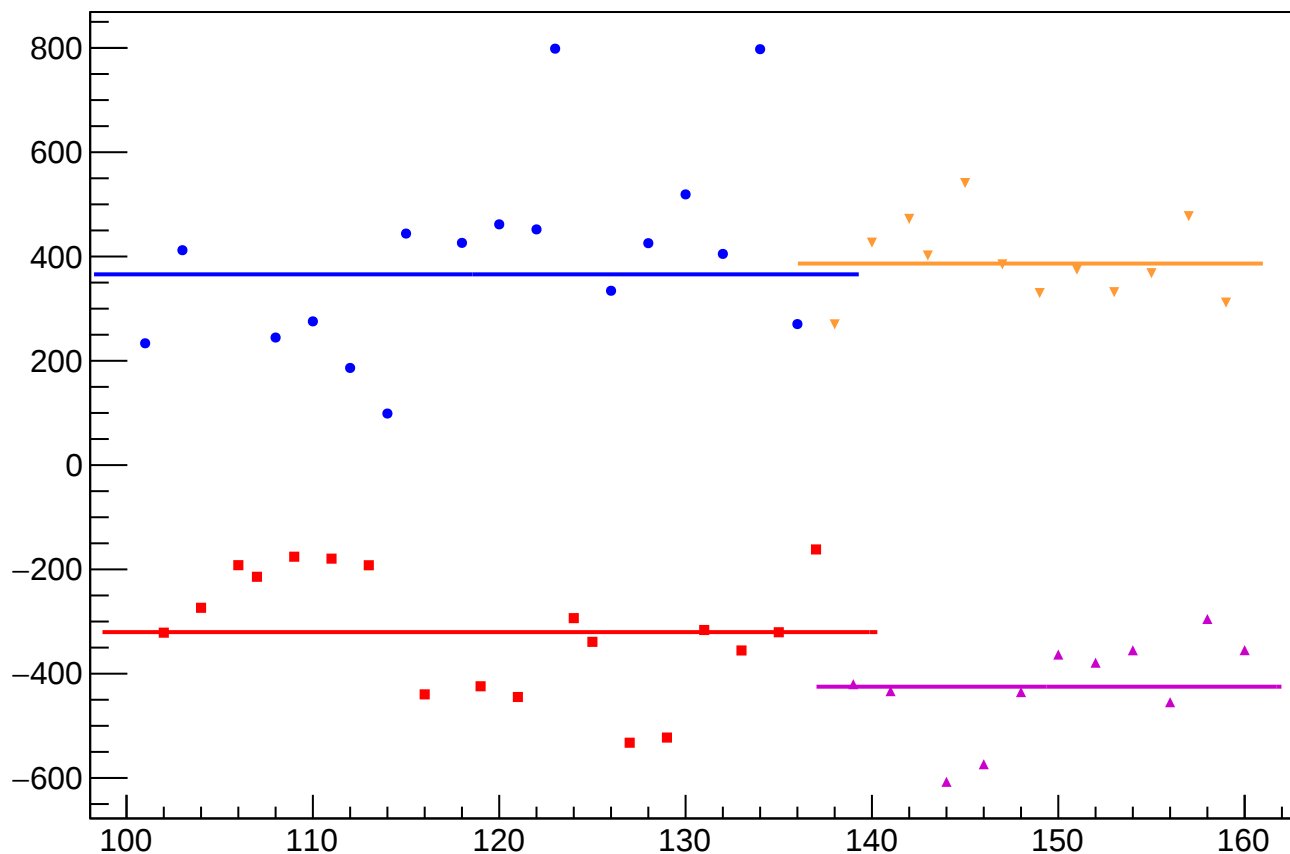
Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_sam6_coil7_mean vs Slug, Sign Corrected



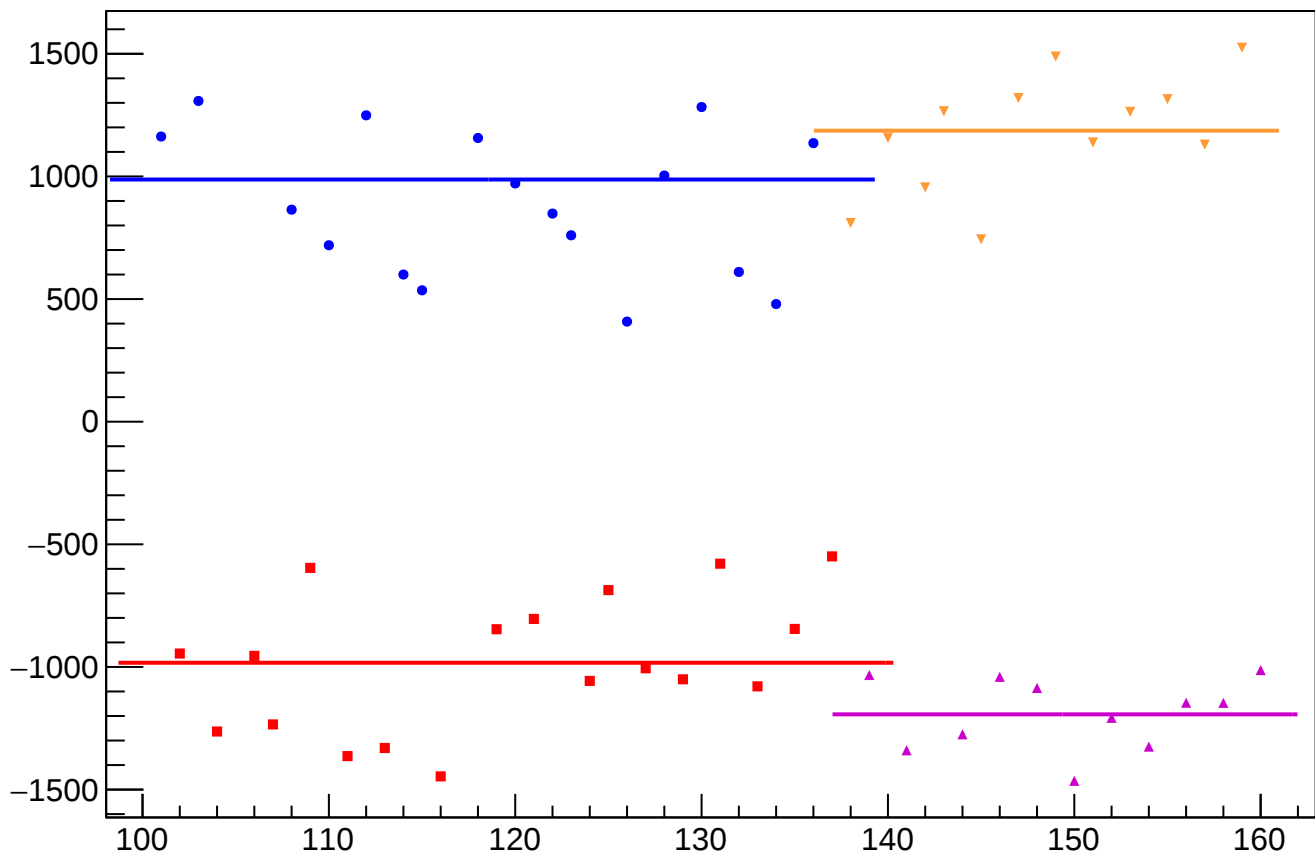
Left: -128.443+/-0.000 χ^2/NDF : 123207860803939
 Right In: 6366.506+/-0.000 χ^2/NDF : 19013791293174950781662205946475975802880.0/16
 Left Out: 580.460+/-0.000 χ^2/NDF : 147049020633782369498744411617383940096.0/11
 Right Out: -6542.482+/-0.000 χ^2/NDF : 19769956838076333850932350219813545574400.0/17
 In: 2245.928+/-0.000 χ^2/NDF : 3974551430914154
 Out: -2555.564+/-0.000 χ^2/NDF : 40221991320897
 Left In: -819.110+/-0.000 χ^2/NDF : 183157286760955615902217096477246750720.0/10
 All: -152.603+/-0.000 χ^2/NDF : 98704897358

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



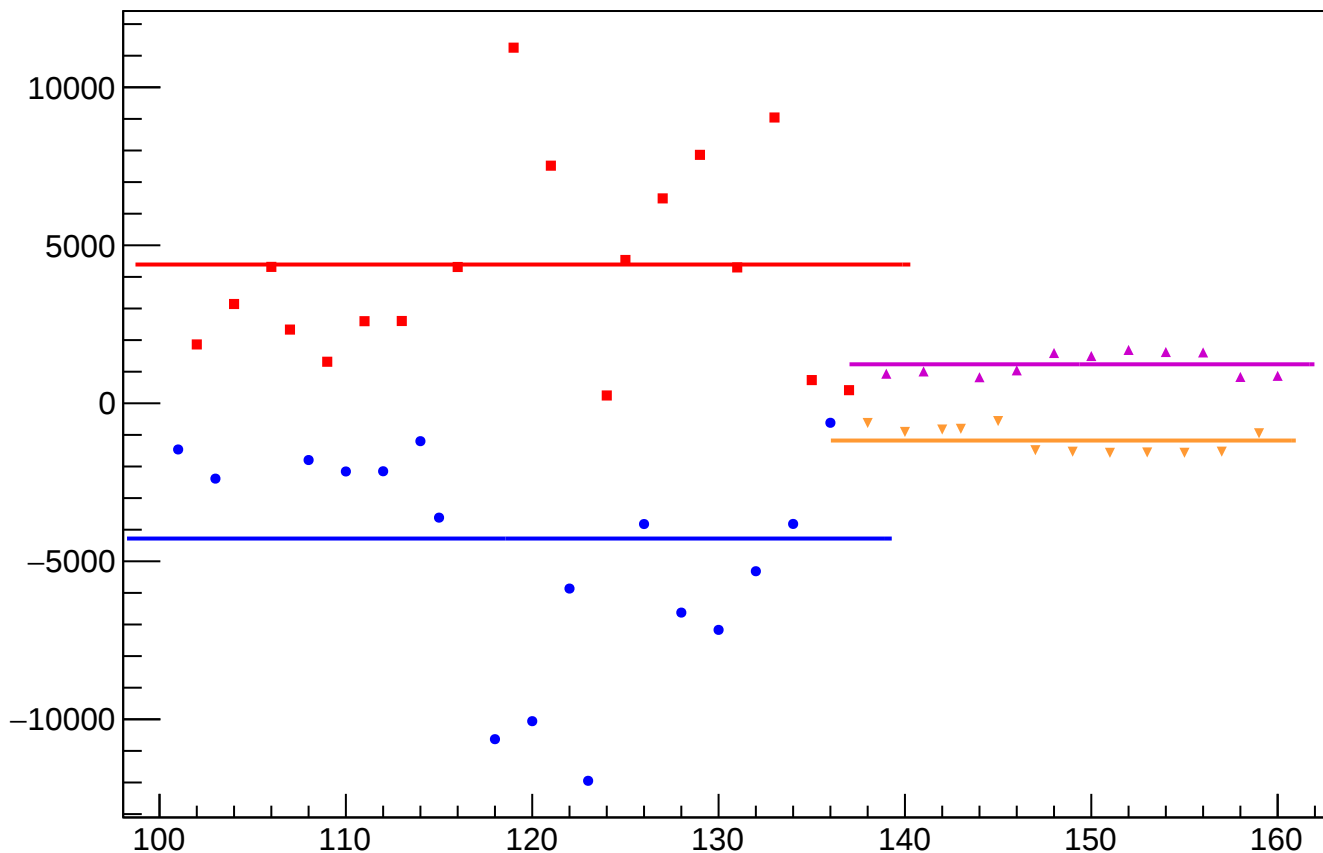
Right In: 365.806 ± 0.000 $\chi^2/\text{NDF}: 12360453443474503357525500563004850176.0/16$
 Left Out: 386.511 ± 0.000 $\chi^2/\text{NDF}: 5027608774007269972306139885841940480.0/11$
 Right Out: -320.284 ± 0.000 $\chi^2/\text{NDF}: 9463966273350706118112483440542613504.0/17$
 Left In: -424.949 ± 0.000 $\chi^2/\text{NDF}: 7621452352927450037498346719559024640.0/10$
 All: -6.236 ± 0.000 $\chi^2/\text{NDF}: 5048392112381$

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4279.824 +/- 0.000

Left Out: -1178.229 +/- 0.000

Right Out: 4391.806 +/- 0.000

Left In: 1234.217 +/- 0.000

χ^2/NDF : 6998436131465727751461675089449726246912.0/16

χ^2/NDF : 141473895084928360538242951996197830656.0/11

χ^2/NDF : 7013803733920665719163942153165454966784.0/17

χ^2/NDF : 113222953765781340341469389402247528448.0/10

All: 77.040 +/- 0.000 χ^2/NDF : 4343358856524

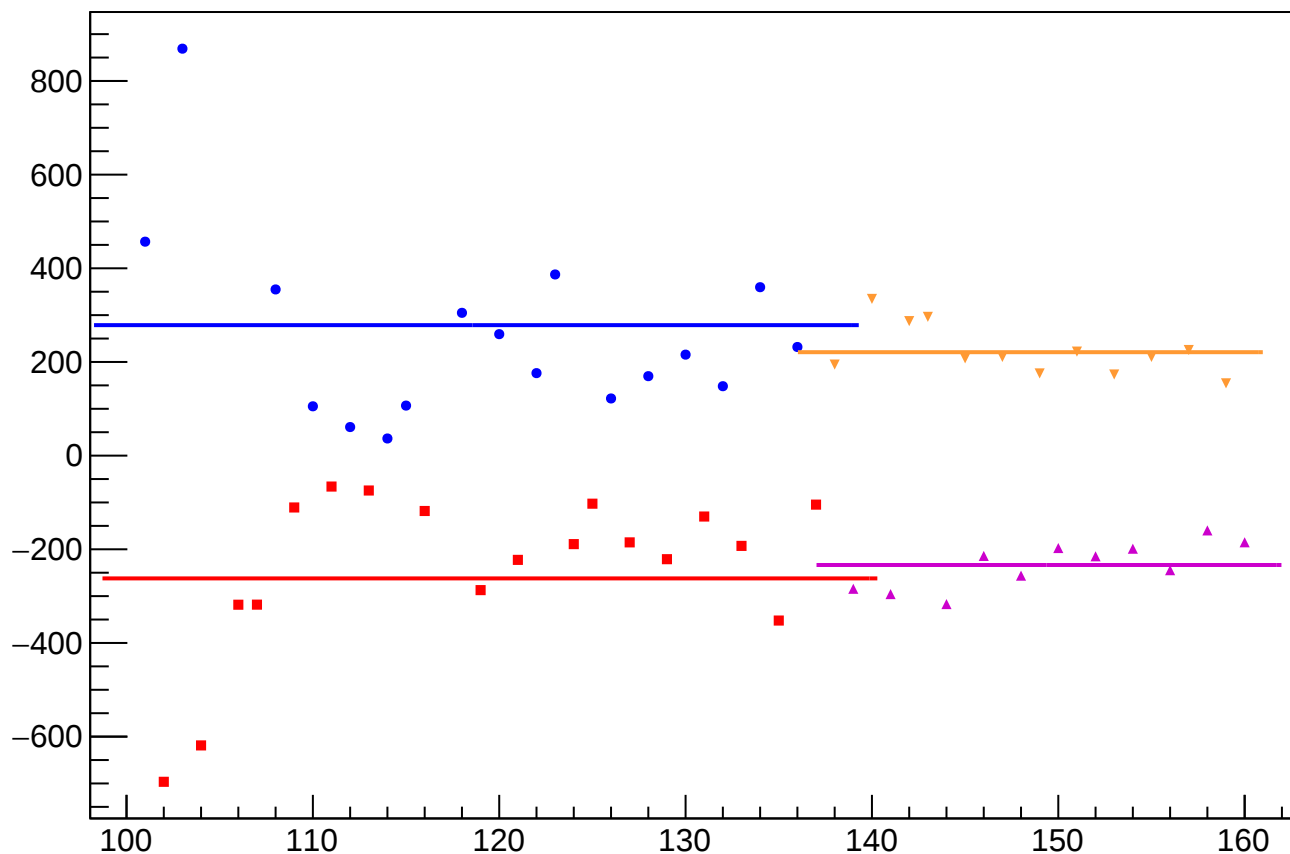
Left: 43.710 +/- 0.000 χ^2/NDF : 29343040287419232

Right: 120.613 +/- 0.000 χ^2/NDF : 404945631723086

In: -1117.808 +/- 0.000 χ^2/NDF : 192118879128319

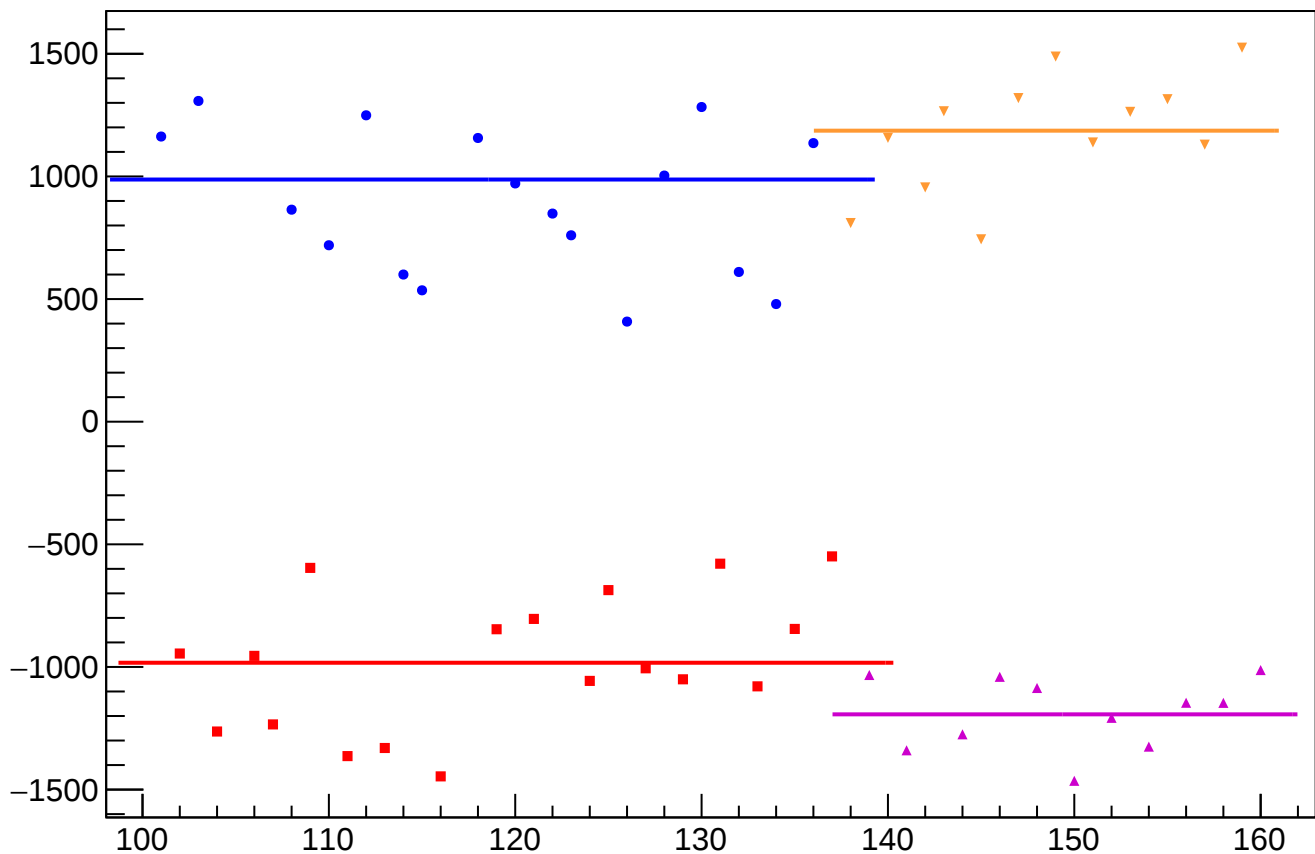
Out: 1274.096 +/- 0.000 χ^2/NDF : 195717965663512

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



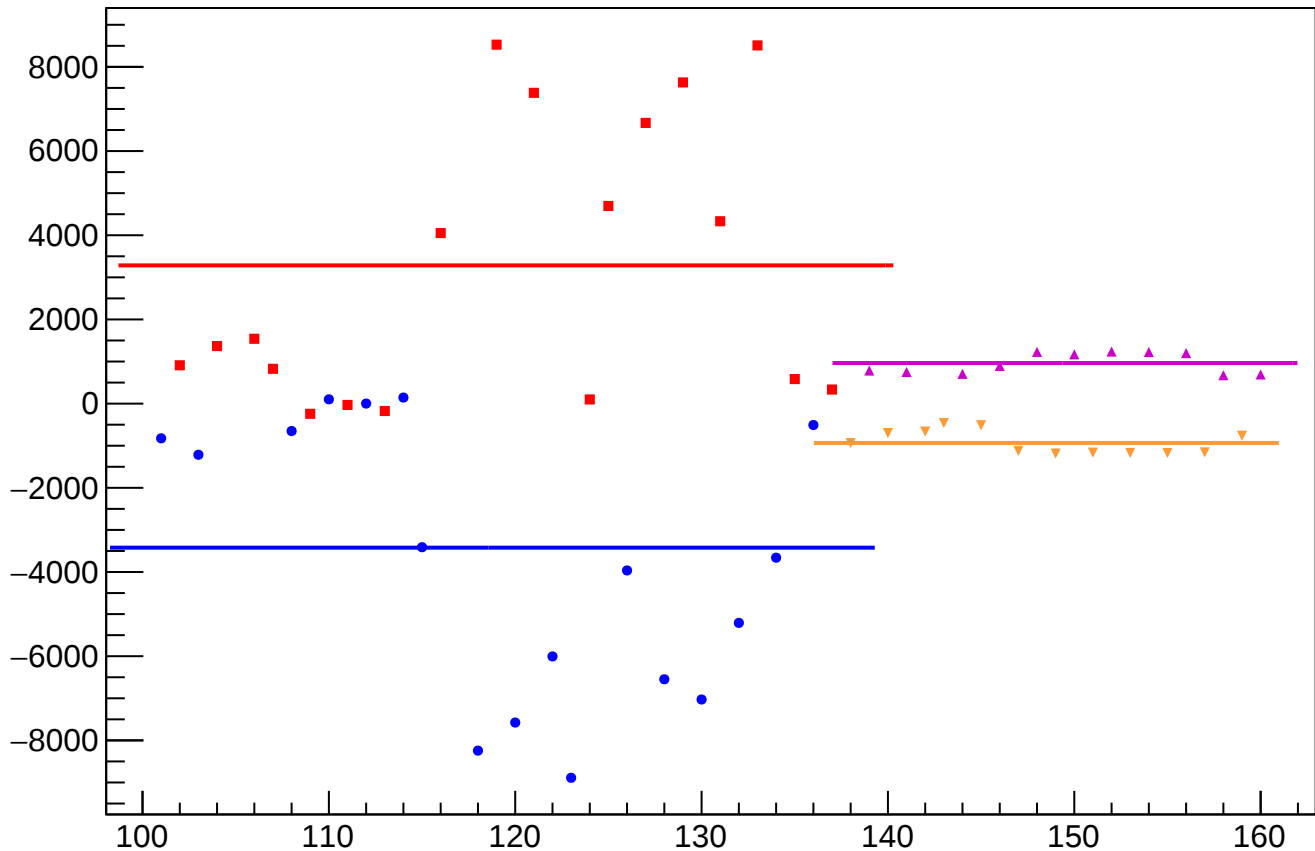
Right In: 278.633+/-0.000 χ^2/NDF : 30524296265206738304048515708883042304.0/16
 Left Out: 220.880+/-0.000 χ^2/NDF : 2451153402301458952205629704112177152.0/11
 Right Out: -262.162+/-0.000 χ^2/NDF : 25748645086335087770789028222868652032.0/17
 Left In: -233.520+/-0.000 χ^2/NDF : 2135124077253807192462629940293009408.0/10
 All: -3.435+/-0.000 χ^2/NDF : 2590679569370

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_sam8_coil7_mean vs Slug, Sign Corrected



Right In: -3421.719+/-0.000

χ^2/NDF : 6462112736004972779572658363986020925440.0/16

Left Out: -933.972+/-0.000

χ^2/NDF : 64192639419401528934807333255243628544.0/11

Right Out: 3284.376+/-0.000

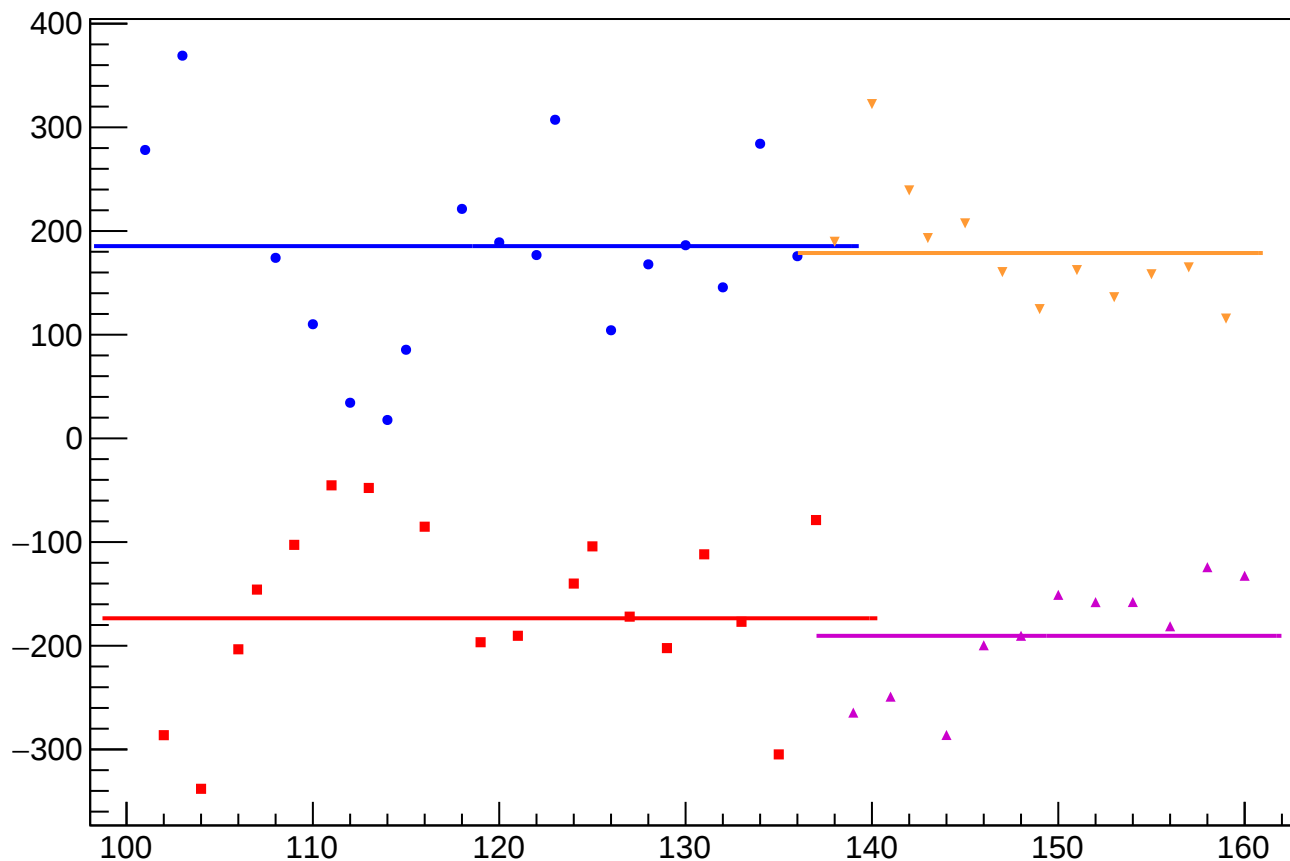
χ^2/NDF : 7820854185595313728450757047863572692992.0/17

Left In: 964.532+/-0.000

χ^2/NDF : 52328346838047917935593162774962765824.0/10

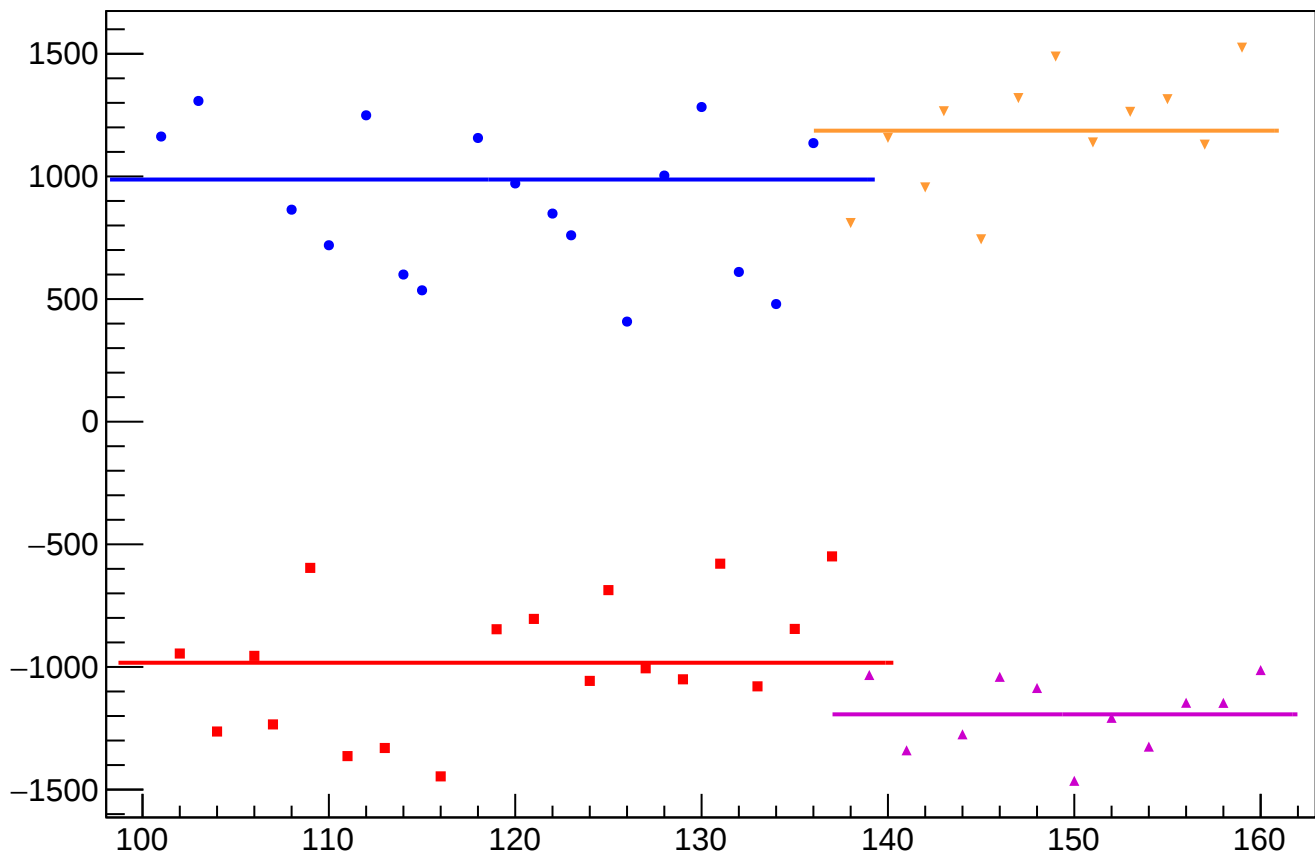
Left: 27.648+/-0.000 χ^2/NDF : 17760271131271719
 Right: -18.697+/-0.000 χ^2/NDF : 301207331793136
 In: -906.432+/-0.000 χ^2/NDF : 1417112247304554
 Out: 923.244+/-0.000 χ^2/NDF : 1500650014022729
 All: 7.562+/-0.000 χ^2/NDF : 31898475032999

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



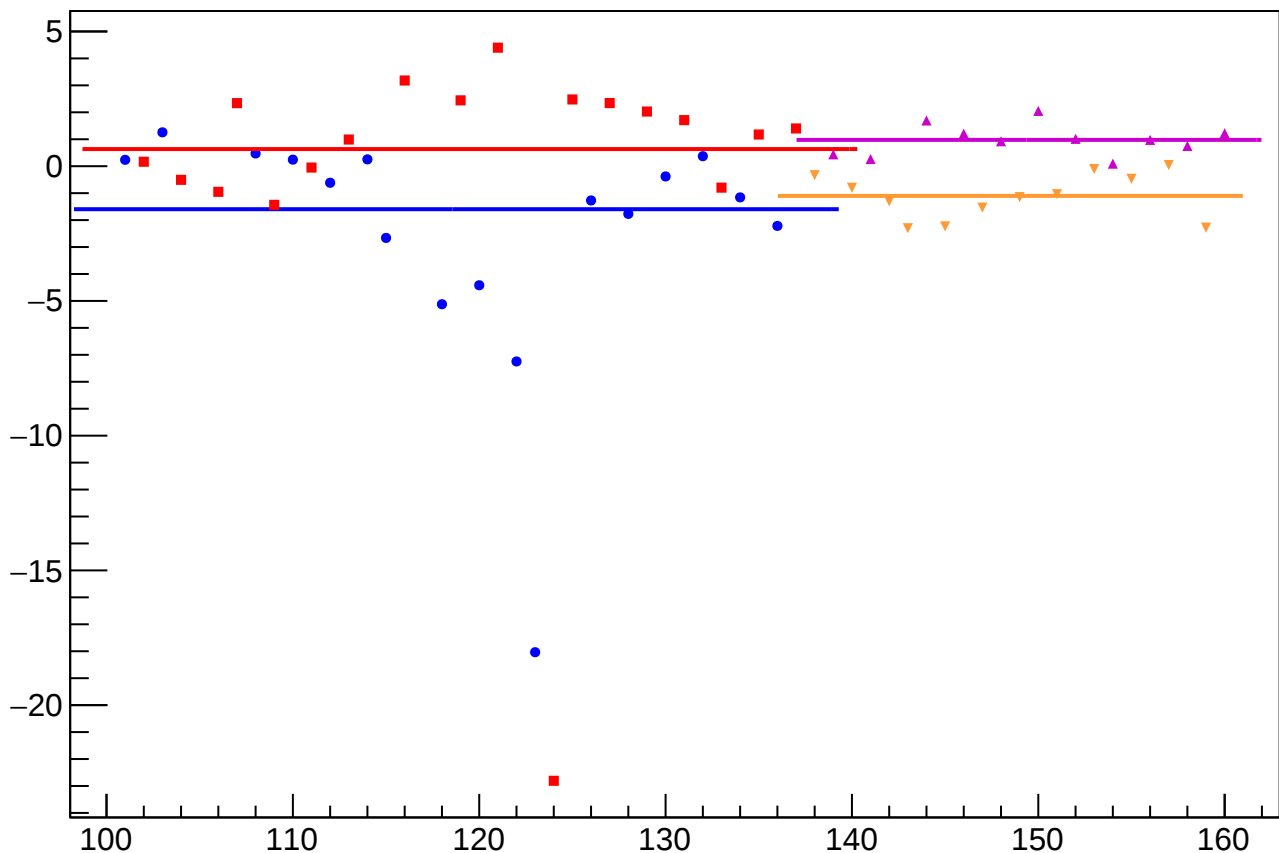
Right In: 185.440 ± 0.000 χ^2/NDF : 4992999881975997017558054599194050560.0/16
 Left Out: 178.789 ± 0.000 χ^2/NDF : 2761846974558217365203652056992186368.0/11
 Right Out: -173.513 ± 0.000 χ^2/NDF : 5476704825855084602521292305195859968.0/17
 Left In: -190.431 ± 0.000 χ^2/NDF : 2526907691148920878217594844913598464.0/10
 All: -3.236 ± 0.000 χ^2/NDF : 1240070542970

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 $\pm$ 0.000 χ^2 /NDF: 52571386835815299758771040245189181440.0/16
 Left Out: 1186.594 $\pm$ 0.000 χ^2 /NDF: 49763362019555548841298308984106647552.0/11
 Right Out: -982.831 $\pm$ 0.000 χ^2 /NDF: 48106250951114292454819733992816771072.0/17
 Left In: -1193.230 $\pm$ 0.000 χ^2 /NDF: 18719715189237327364686937904868491264.0/10
 All: -16.040 $\pm$ 0.000 χ^2 /NDF: 414386874879

dit_4aX_coil4_mean vs Slug, Sign Corrected



Right In: -1.596 ± 0.000

$\chi^2/\text{NDF}: 4654807928359892398673617982849024.0/16$

Left Out: -1.102 ± 0.000

$\chi^2/\text{NDF}: 592180467002513566987832570937344.0/11$

Right Out: 0.636 ± 0.000

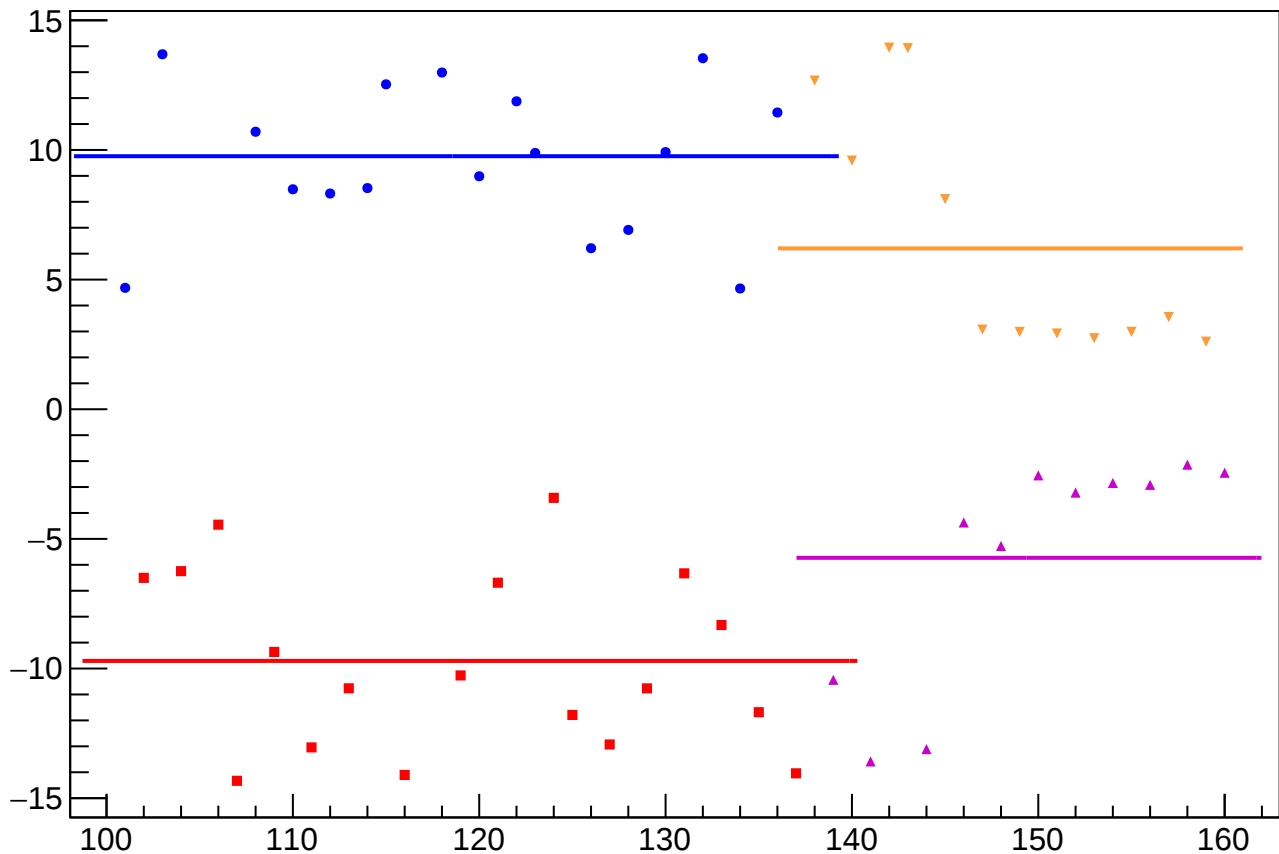
$\chi^2/\text{NDF}: 9571048295343482409580772007608320.0/17$

Left In: 0.977 ± 0.000

$\chi^2/\text{NDF}: 300890397650119639347670720446464.0/10$

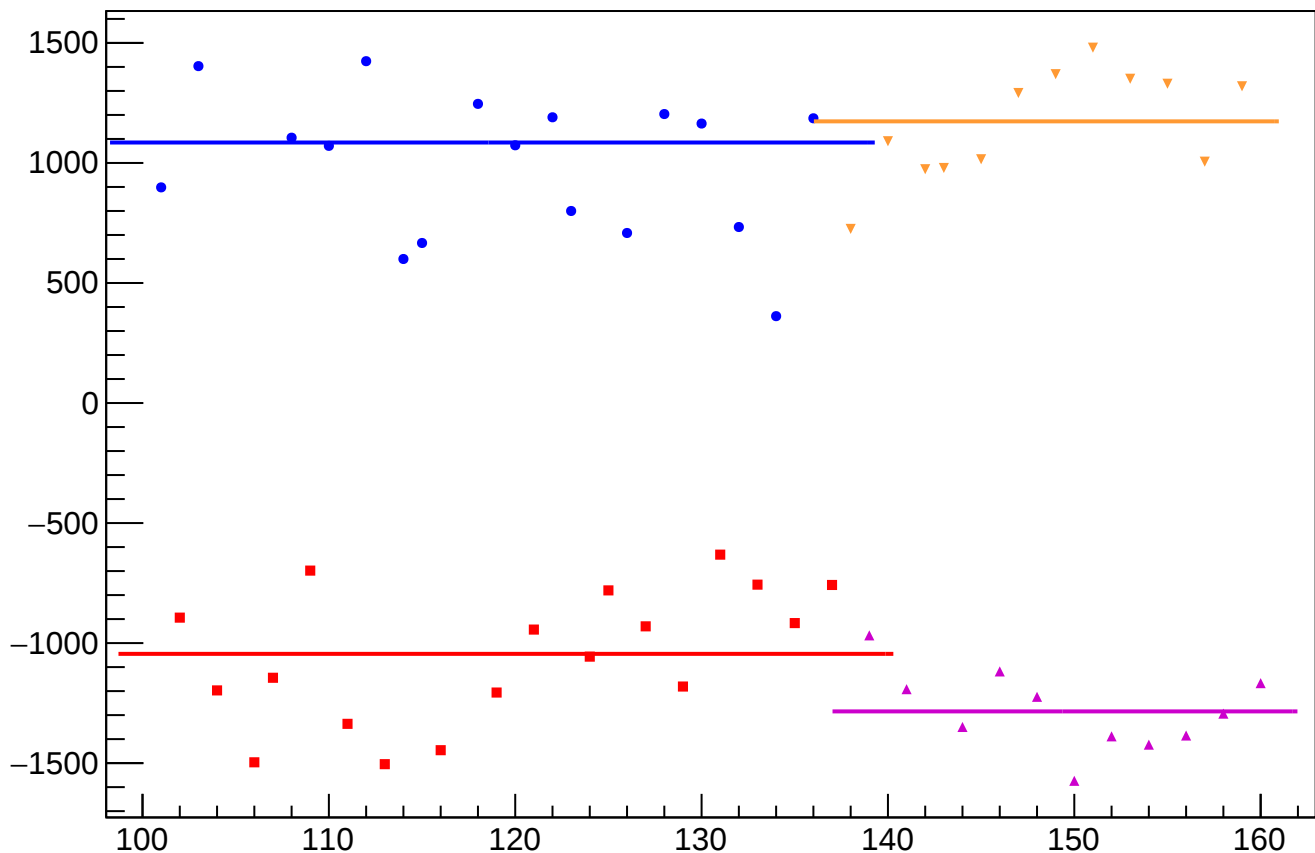
Left: -0.049 ± 0.000 $\chi^2/\text{NDF}: 28826478277952612$
 Right: -0.463 ± 0.000 $\chi^2/\text{NDF}: 1597994140254711$
 In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 758966812196380194$
 Out: -0.337 ± 0.000 $\chi^2/\text{NDF}: 11371937227369047$
 All: -0.229 ± 0.000 $\chi^2/\text{NDF}: 1899961310160$

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



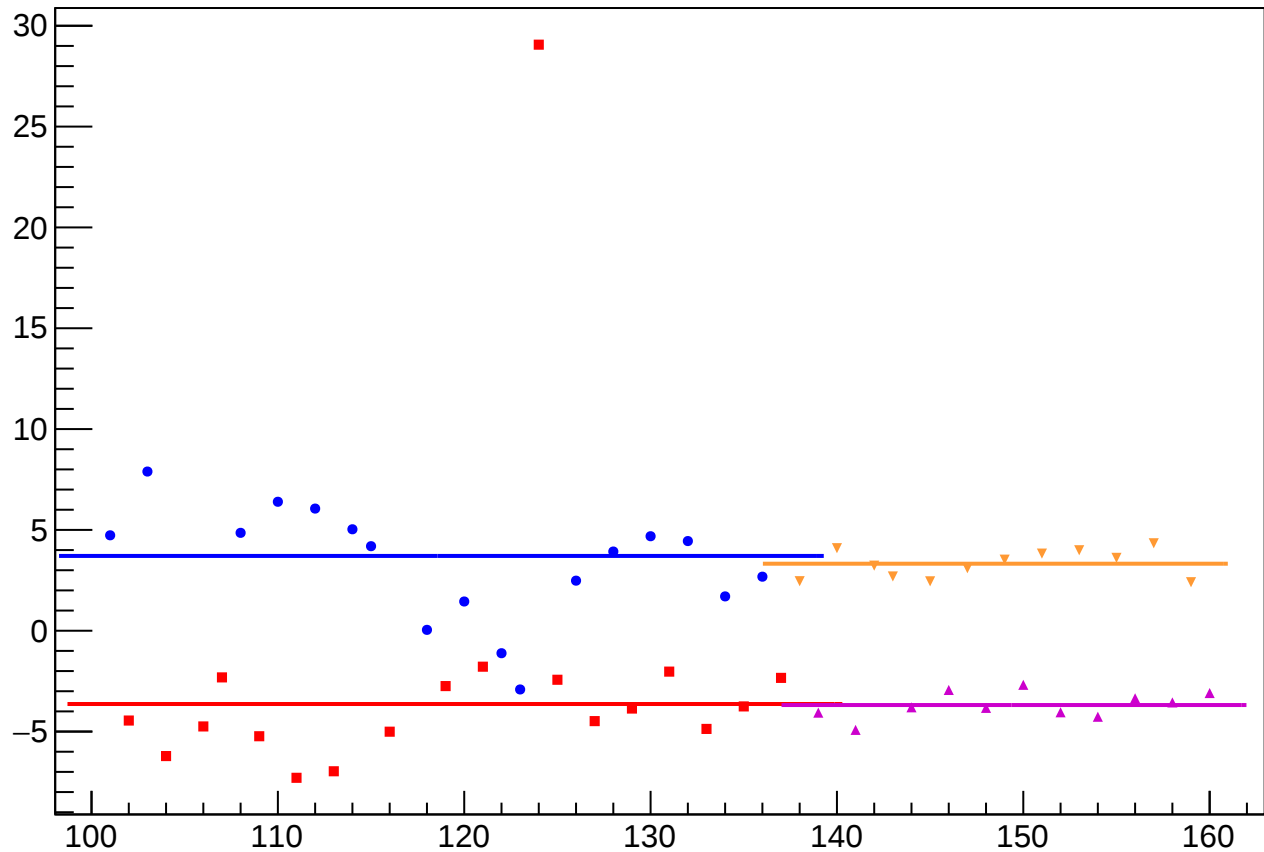
Right In: 9.759 ± 0.000 χ^2/NDF : 5805218601264248923404355625811968.0/16
 Left Out: 6.204 ± 0.000 χ^2/NDF : 17109991032954173502313359403384832.0/11
 Right Out: -9.706 ± 0.000 χ^2/NDF : 6508390621050403360774220706480128.0/17
 Left In: -5.730 ± 0.000 χ^2/NDF : 16834211139985692030618150983696384.0/10
 All: 0.039 ± 0.000 χ^2/NDF : 24531816908963

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



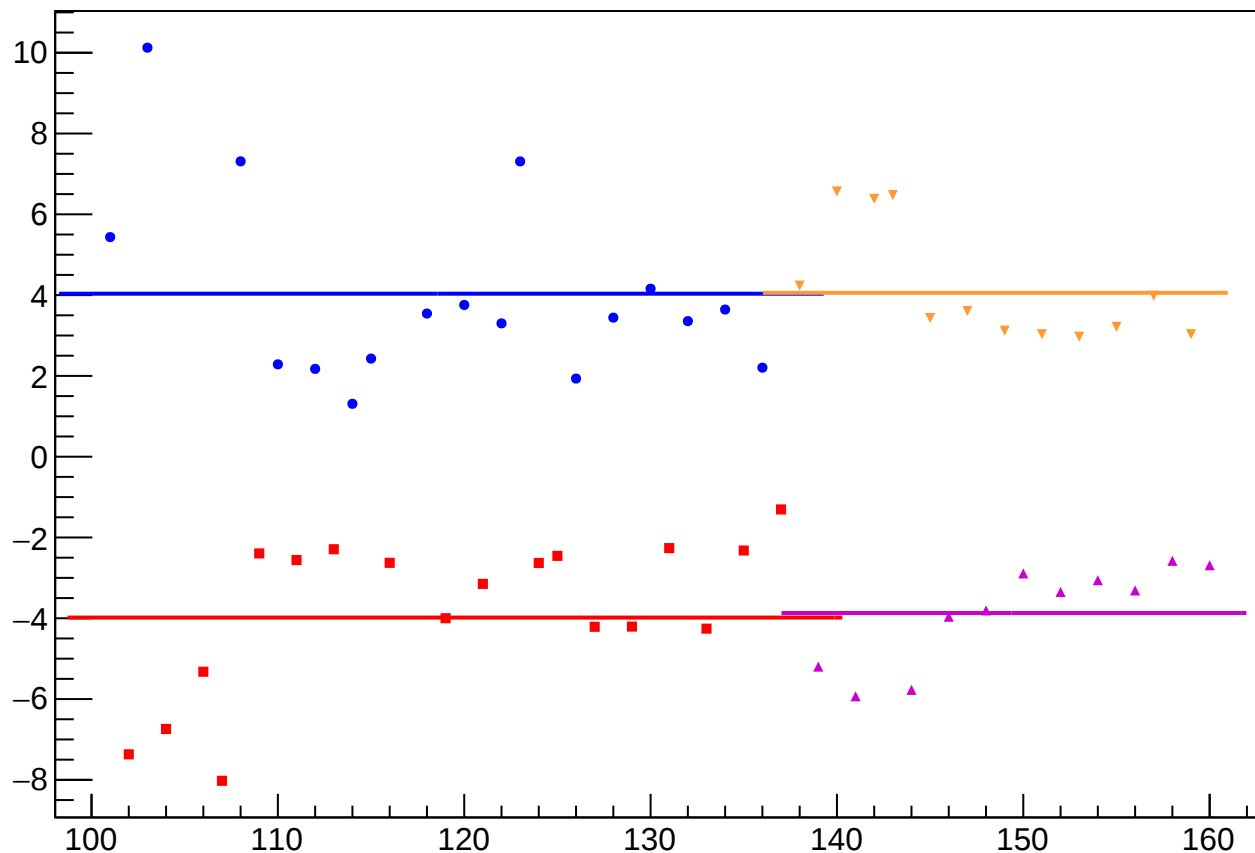
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_4eX_coil4_mean vs Slug, Sign Corrected



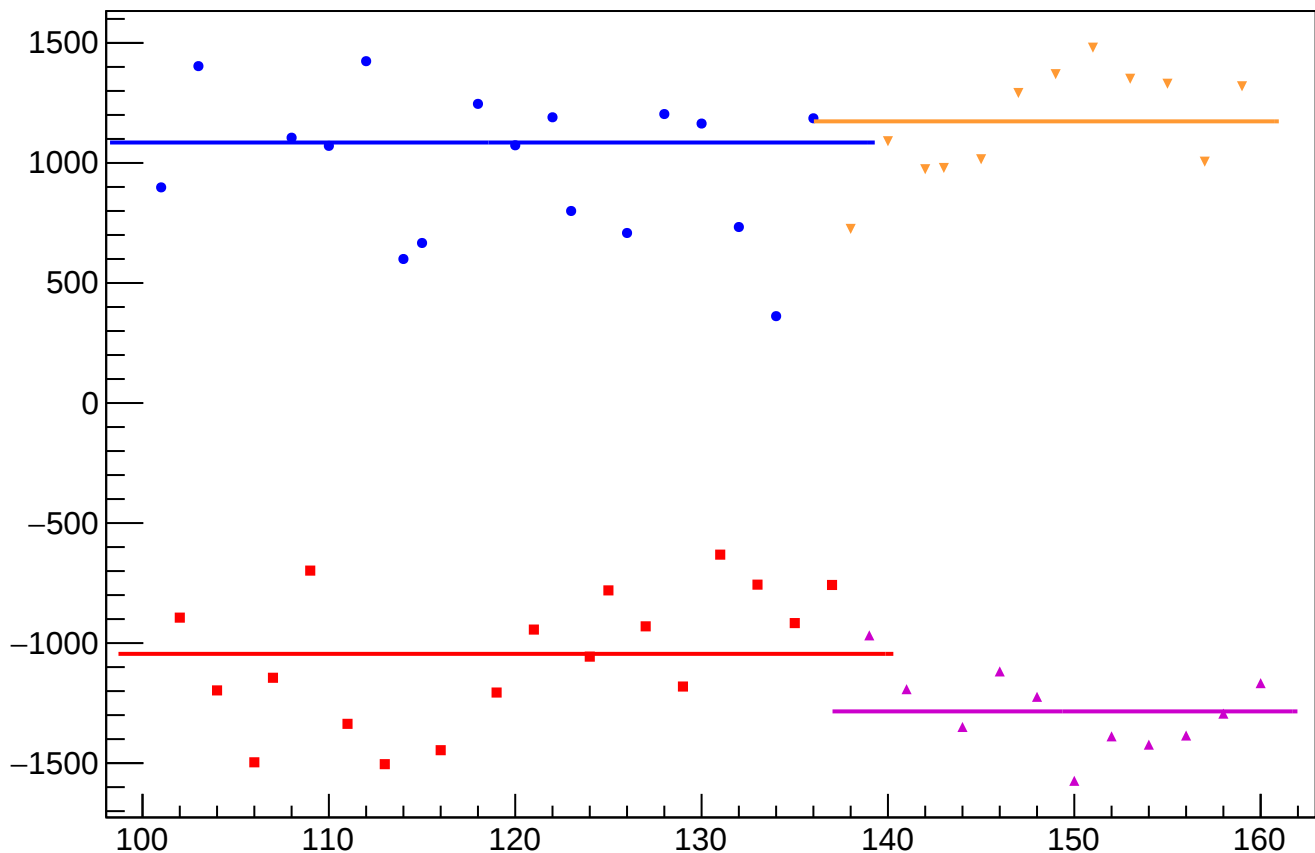
Right In: 3.709 ± 0.000 $\chi^2/\text{NDF}: 4018102777172229540031969661812736.0/16$
 Left Out: 3.324 ± 0.000 $\chi^2/\text{NDF}: 408662092507009780807820497649664.0/11$
 Right Out: -3.634 ± 0.000 $\chi^2/\text{NDF}: 17179706396424887783373227094441984.0/17$
 Left In: -3.684 ± 0.000 $\chi^2/\text{NDF}: 362171161596980472614323696435200.0/10$
 All: -0.135 ± 0.000 $\chi^2/\text{NDF}: 6360532498866$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



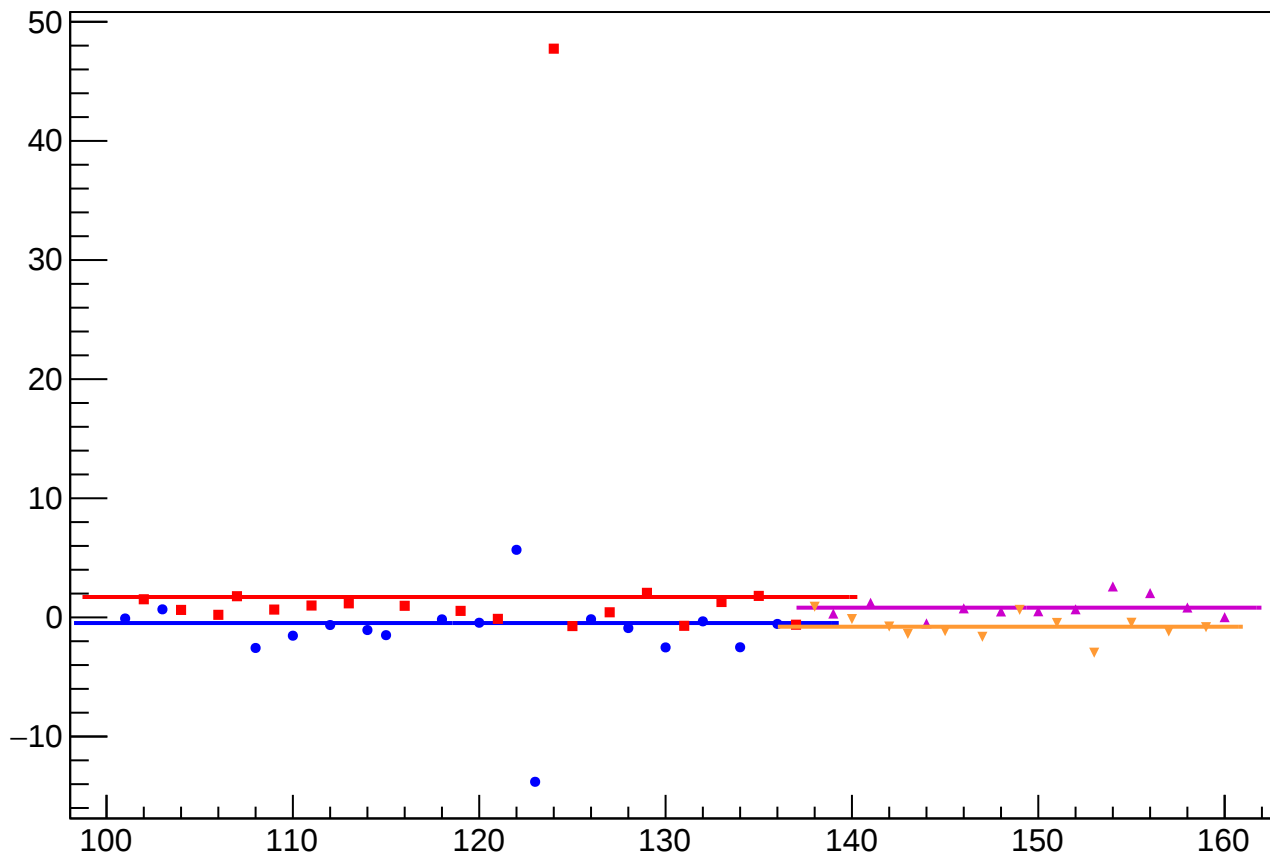
Right In: 4.035 $\pm$ 0.000	χ^2 /NDF: 3710399284586297338090254185267200.0/16	Left: 0.042 $\pm$ 0.000	χ^2 /NDF: 318036590084985990
Left Out: 4.057 $\pm$ 0.000	χ^2 /NDF: 1601757414873361873208521558851584.0/11	Right: -0.034 $\pm$ 0.000	χ^2 /NDF: 2896164909760269
Right Out: -3.983 $\pm$ 0.000	χ^2 /NDF: 2613925353133608323825730446163968.0/17	In: -0.498 $\pm$ 0.000	χ^2 /NDF: 298470622744878101
Left In: -3.869 $\pm$ 0.000	χ^2 /NDF: 127275025204235909562227723665408.0/10	Out: 0.518 $\pm$ 0.000	χ^2 /NDF: 300849190851869307
		All: 0.009 $\pm$ 0.000	χ^2 /NDF: 60769913153660

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



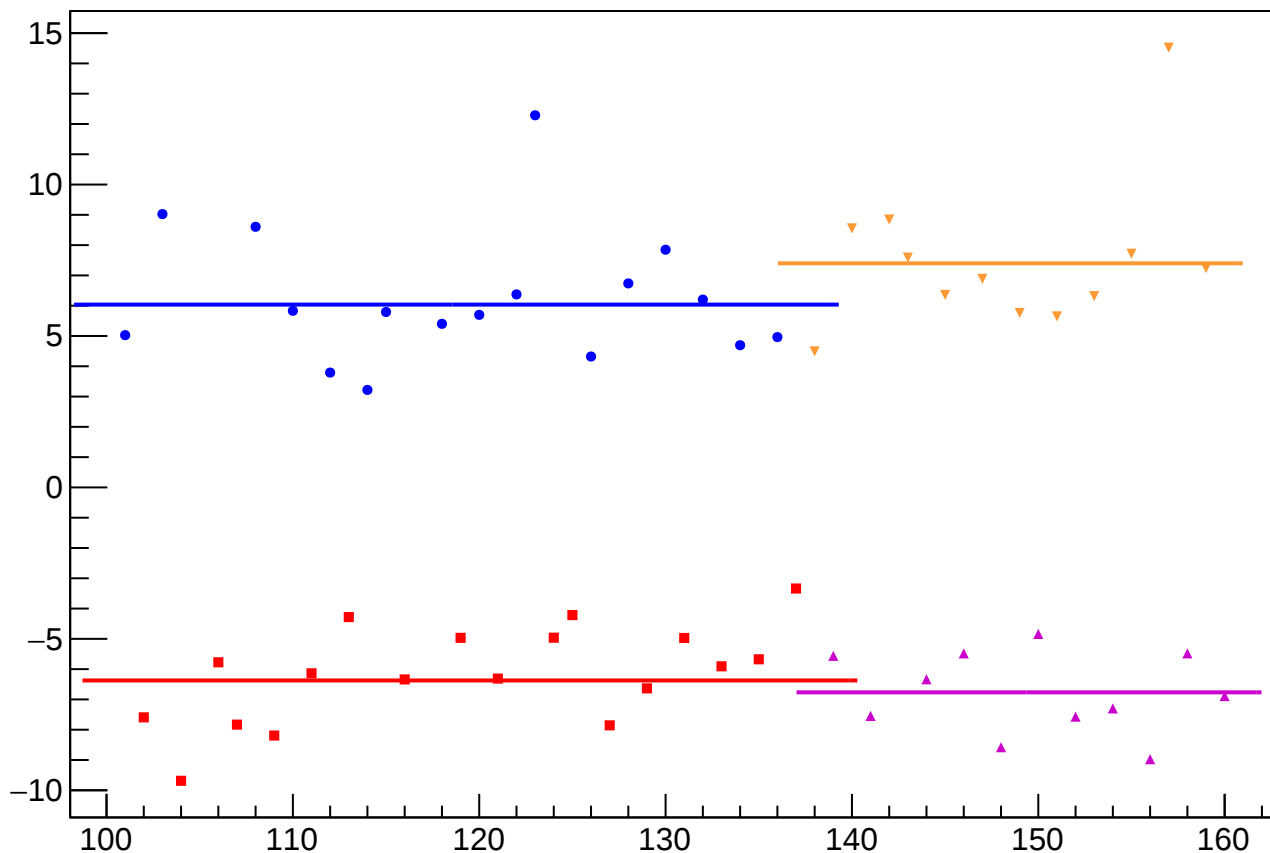
Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	In: -273.729+/-0.000	χ^2/NDF : 2303517069122456
Left In: -1284.540+/-0.000	χ^2/NDF : 24056417049221053484728394918859374592.0/10	Out: 196.705+/-0.000	χ^2/NDF : 2062457208179950
	All: -38.729+/-0.000		χ^2/NDF : 454584232037

dit_11X12X_coil4_mean vs Slug, Sign Corrected



Right In: -0.473 ± 0.000 χ^2/NDF : 2898613024888316123890745518063616.0/16
 Left Out: -0.782 ± 0.000 χ^2/NDF : 945280645994518900934494480498688.0/11
 Right Out: 1.712 ± 0.000 χ^2/NDF : 30716645280339484063089556715470848.0/17
 Left In: 0.816 ± 0.000 χ^2/NDF : 662056853644750883685234129240064.0/10
 All: 0.291 ± 0.000 χ^2/NDF : 38376365142967

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



Right In: 6.036 $\pm$ 0.000

χ^2/NDF : 1834282168572363767997793128415232.0/16

Left Out: 7.400 $\pm$ 0.000

χ^2/NDF : 5295448681829047225809354325229568.0/11

Right Out: -6.374 $\pm$ 0.000

χ^2/NDF : 1775962730889931898255737308053504.0/17

Left In: -6.766 $\pm$ 0.000

χ^2/NDF : 1543455485673800968010090913202176.0/10

Left: 0.225 $\pm$ 0.000 χ^2/NDF : 992365681268421828

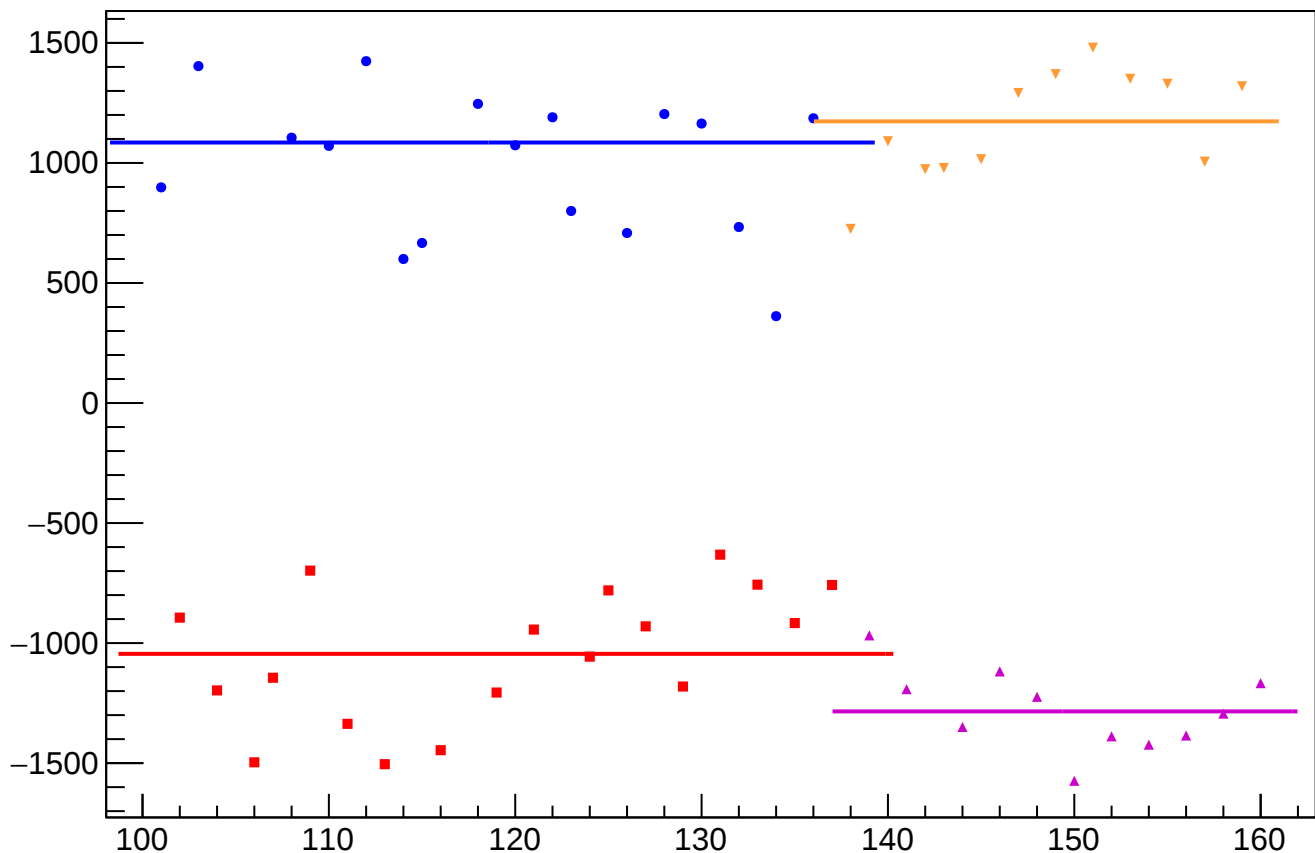
Right: -0.261 $\pm$ 0.000 χ^2/NDF : 5784895299969528

In: -1.305 $\pm$ 0.000 χ^2/NDF : 686045511468165147

Out: 1.336 $\pm$ 0.000 χ^2/NDF : 830007043475067766

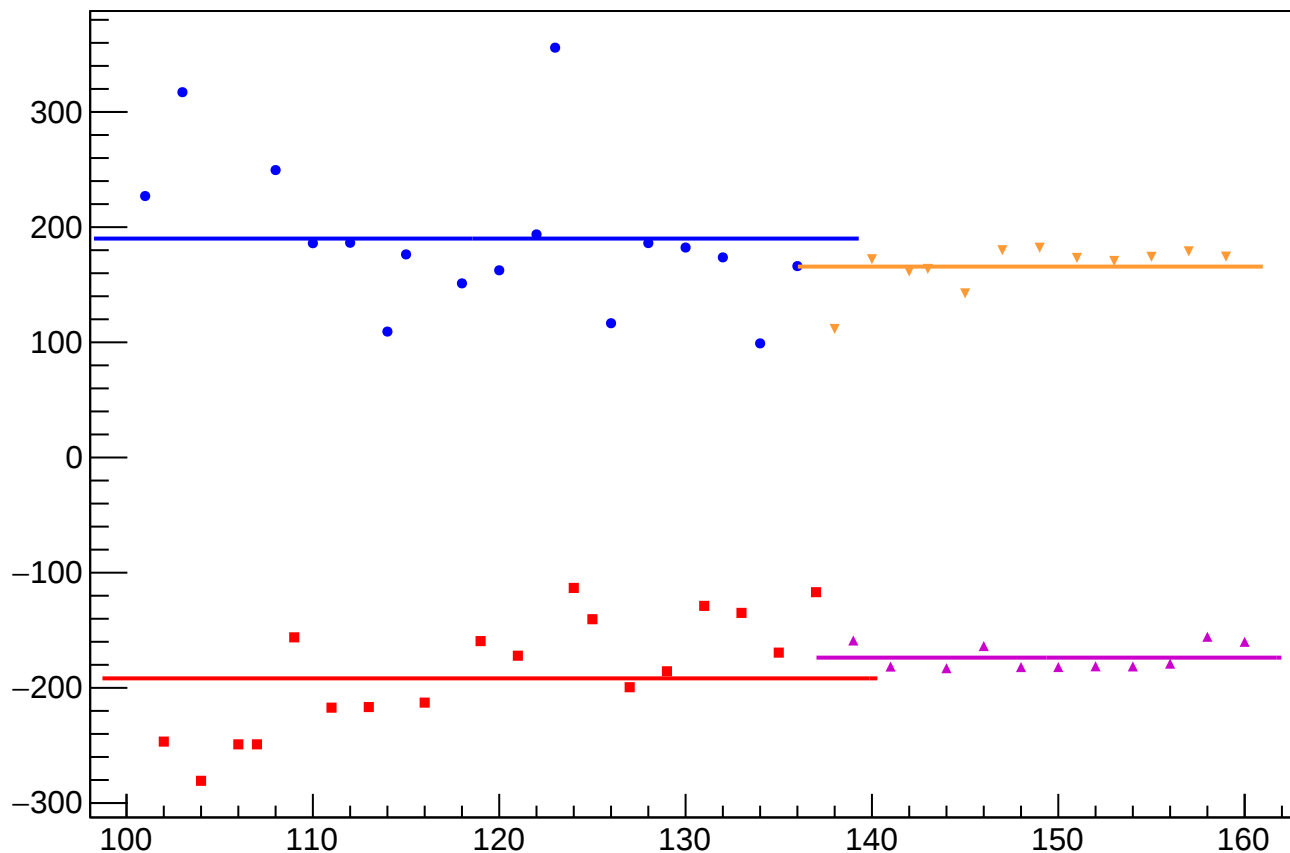
All: 0.014 $\pm$ 0.000 χ^2/NDF : 15727417011550

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



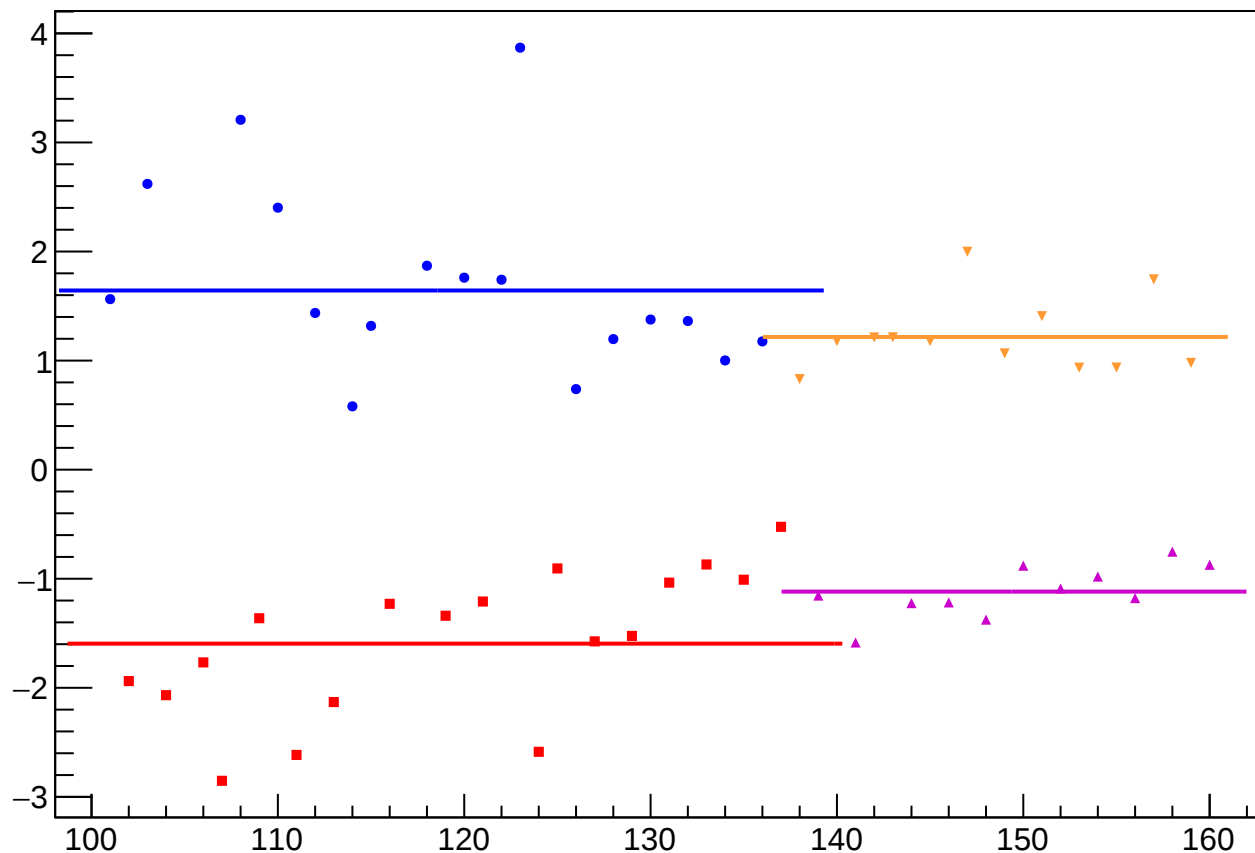
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_4aY_coil4_mean vs Slug, Sign Corrected



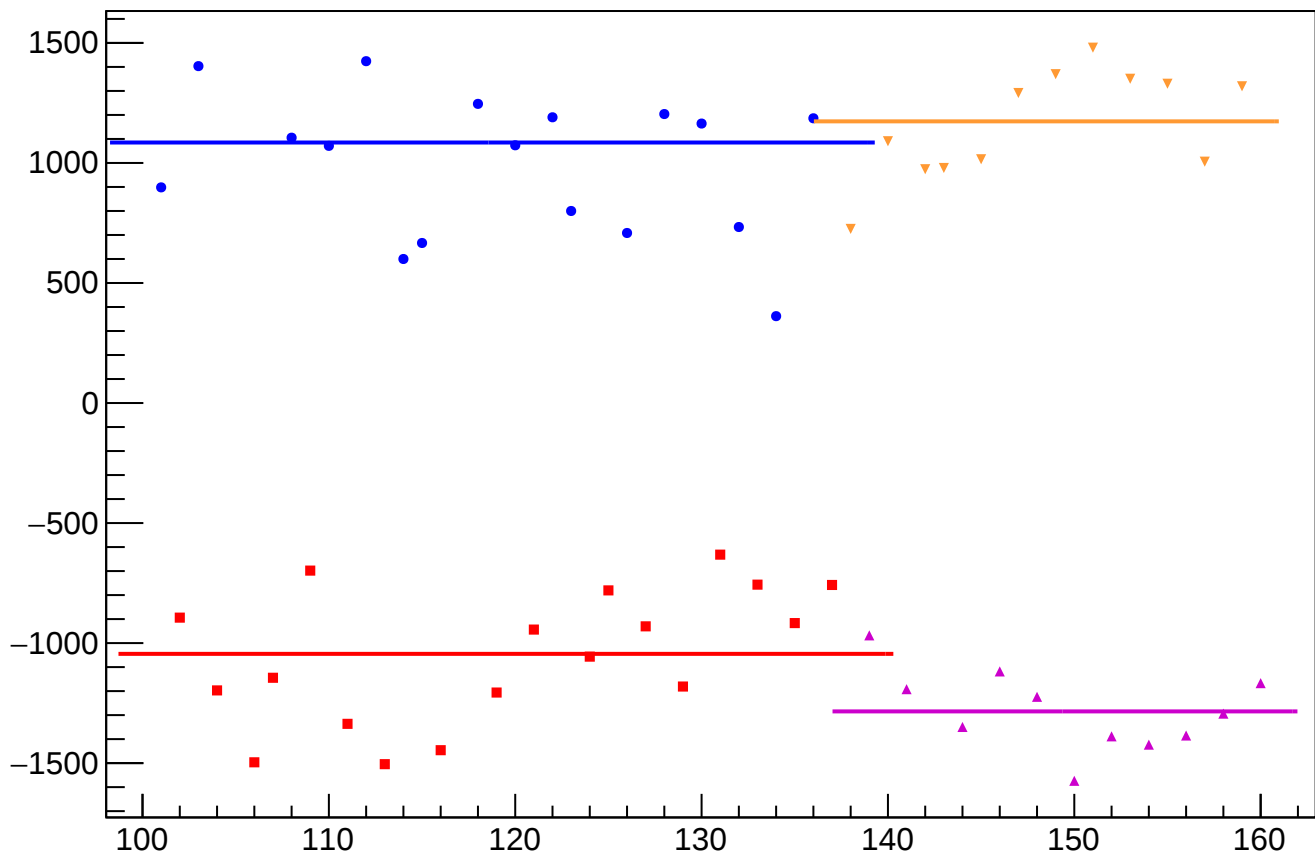
Right In: 190.085 ± 0.000 $\chi^2/\text{NDF}: 1925698803891151227234396073587900416.0/16$
 Left Out: 165.739 ± 0.000 $\chi^2/\text{NDF}: 344682497656901428032567062567059456.0/11$
 Right Out: -191.757 ± 0.000 $\chi^2/\text{NDF}: 1600653754892471682568282524337831936.0/17$
 Left In: -173.752 ± 0.000 $\chi^2/\text{NDF}: 105283442852130720199037078170763264.0/10$
 All: -5.119 ± 0.000 $\chi^2/\text{NDF}: 1083947156669$

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



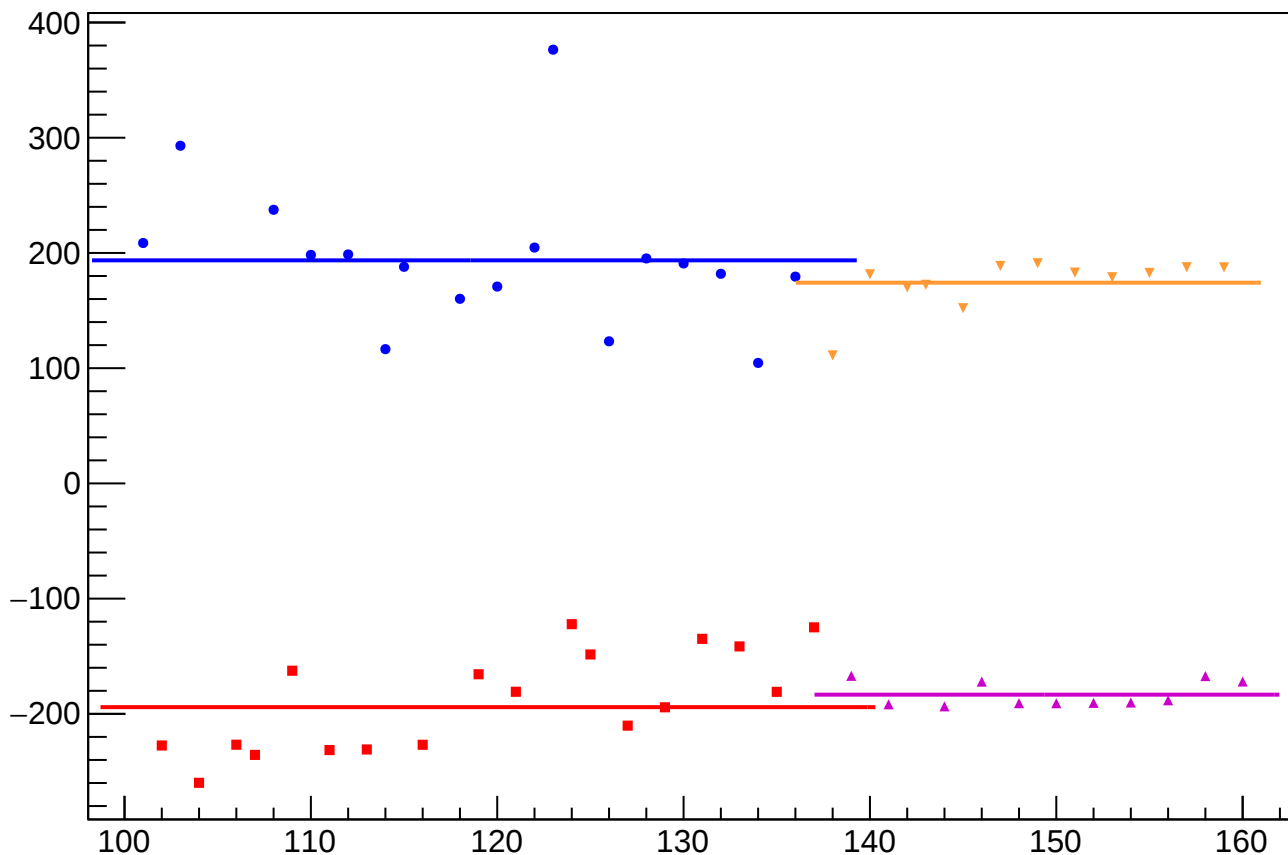
Right In: 1.643 ± 0.000 $\chi^2/\text{NDF}: 289253300871261454870716449030144.0/16$
 Left Out: 1.217 ± 0.000 $\chi^2/\text{NDF}: 102394613447491283246123057152000.0/11$
 Right Out: -1.595 ± 0.000 $\chi^2/\text{NDF}: 253487865182855947655895326916608.0/17$
 Left In: -1.118 ± 0.000 $\chi^2/\text{NDF}: 49044430342731068780186328629248.0/10$
 All: 0.019 ± 0.000 $\chi^2/\text{NDF}: 68970144318089$

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



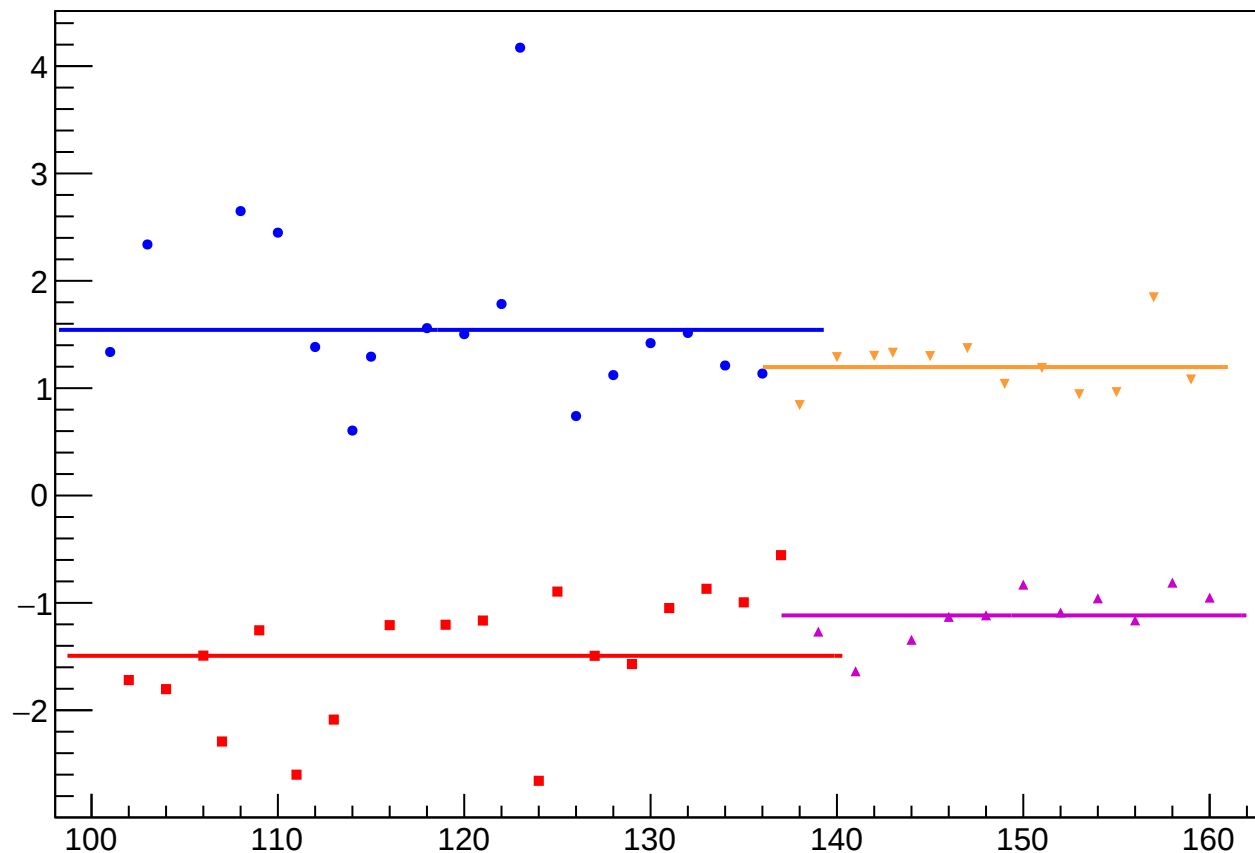
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_4eY_coil4_mean vs Slug, Sign Corrected



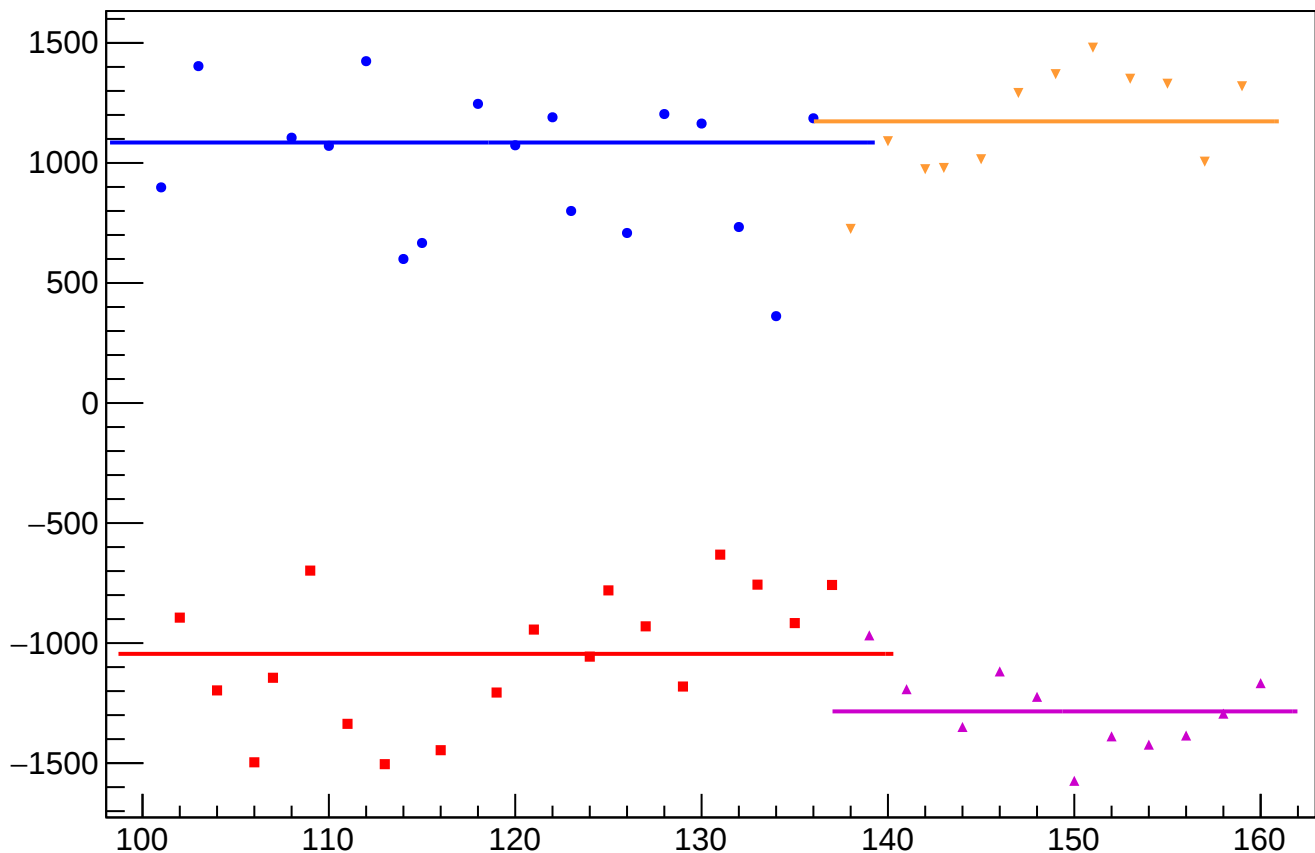
Right In: 193.573 ± 0.000 $\chi^2/\text{NDF}: 1351064334288465855493252395600707584.0/16$
 Left Out: 174.198 ± 0.000 $\chi^2/\text{NDF}: 435157803959110752164132199015120896.0/11$
 Right Out: -194.177 ± 0.000 $\chi^2/\text{NDF}: 1137351144016205804609551236362928128.0/17$
 Left In: -183.338 ± 0.000 $\chi^2/\text{NDF}: 99283390921198074748427132624437248.0/10$
 All: -5.292 ± 0.000 $\chi^2/\text{NDF}: 1148391836793$

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



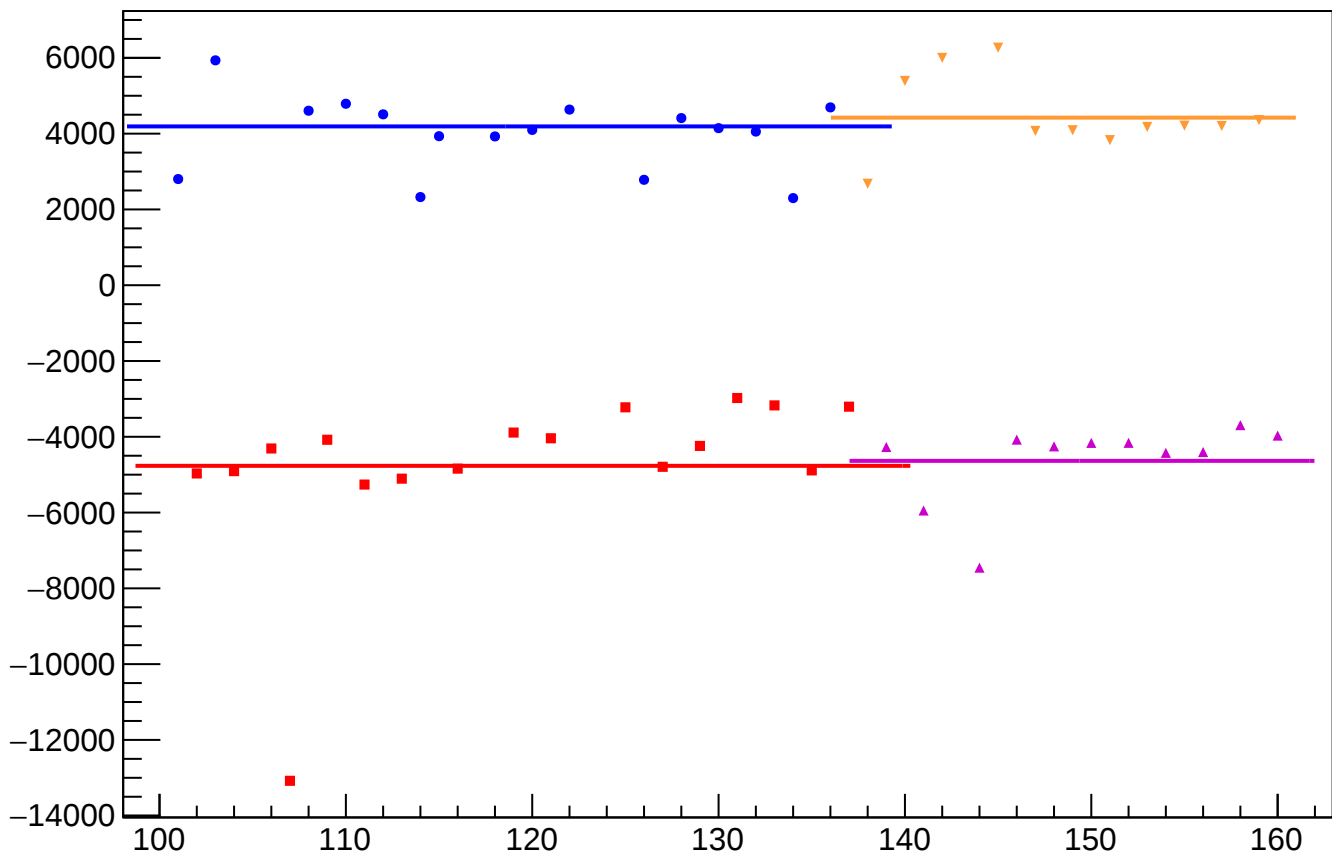
Right In: 1.543 ± 0.000 $\chi^2/\text{NDF}: 211470615756148398389395258867712.0/16$
 Left Out: 1.197 ± 0.000 $\chi^2/\text{NDF}: 59586654303702490446710865657856.0/11$
 Right Out: -1.493 ± 0.000 $\chi^2/\text{NDF}: 198853919603996729553220305682432.0/17$
 Left In: -1.117 ± 0.000 $\chi^2/\text{NDF}: 49235563214758682247299927638016.0/10$
 All: 0.015 ± 0.000 $\chi^2/\text{NDF}: 62302324533540$

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



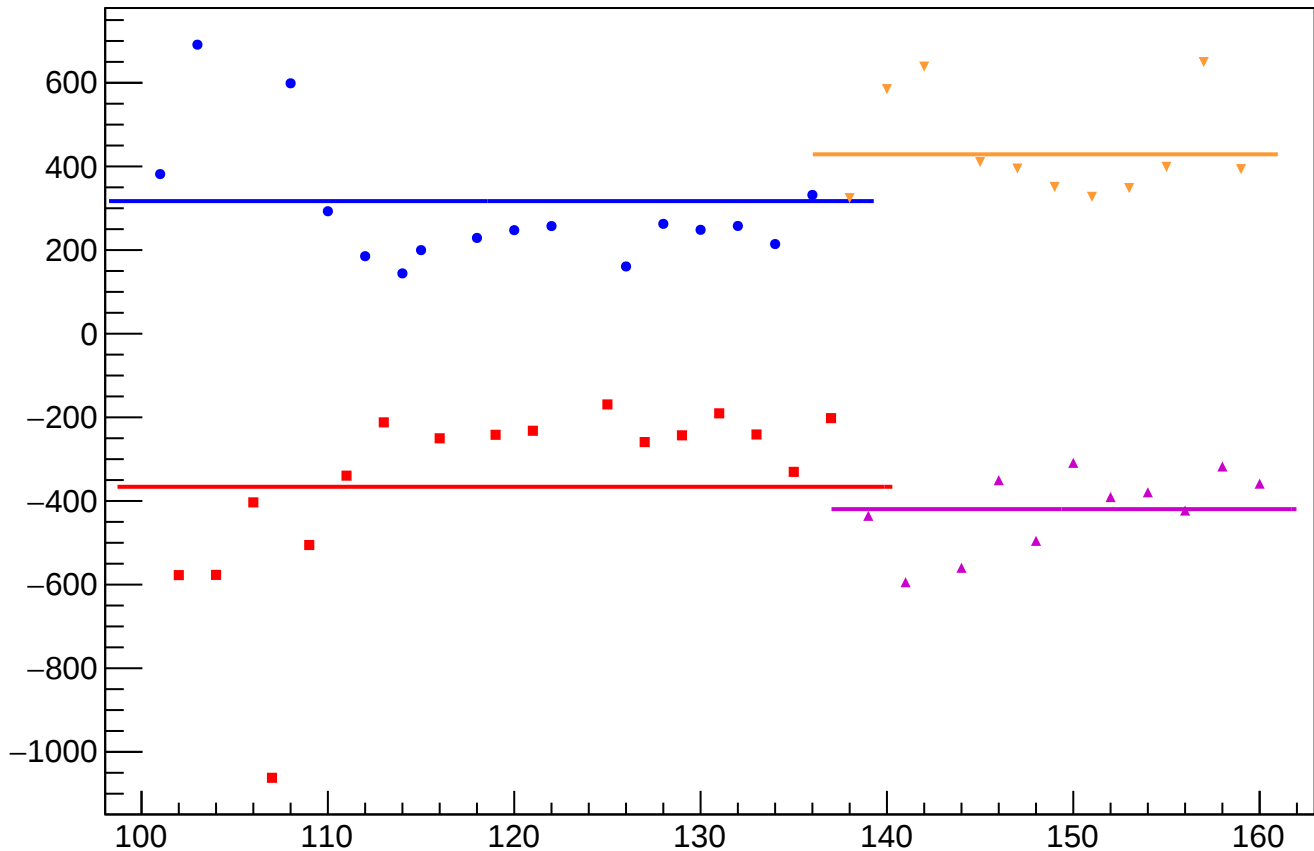
Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	In: -273.729+/-0.000	χ^2/NDF : 2303517069122456
Left In: -1284.540+/-0.000	χ^2/NDF : 24056417049221053484728394918859374592.0/10	Out: 196.705+/-0.000	χ^2/NDF : 2062457208179950
	All: -38.729+/-0.000		χ^2/NDF : 454584232037

dit_usl_coil4_mean vs Slug, Sign Corrected



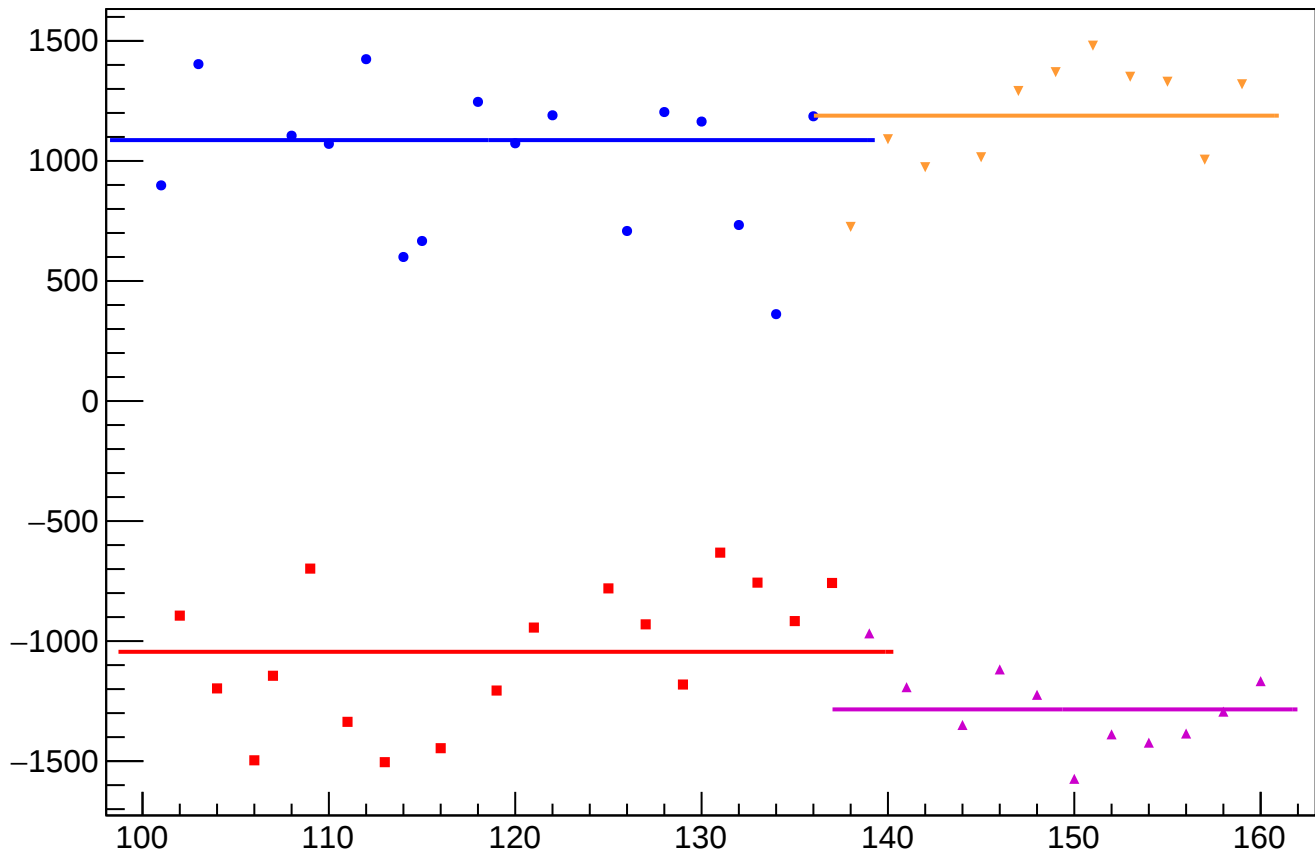
Right In: 4190.973+/-0.000 χ^2/NDF : 554038134535494230935556440305969397760.0/15
 Left Out: 4422.510+/-0.000 χ^2/NDF : 753196682646313209134126931375441313792.0/10
 Right Out: -4766.714+/-0.000 χ^2/NDF : 2969196242721495635889986773908602224640.0/16
 Left In: -4635.509+/-0.000 χ^2/NDF : 1059752939887595758489348119495845085184.0/10
 All: -331.924+/-0.000 χ^2/NDF : 69551117198

dit_usl_coil4_err_mean vs Slug, Sign Corrected



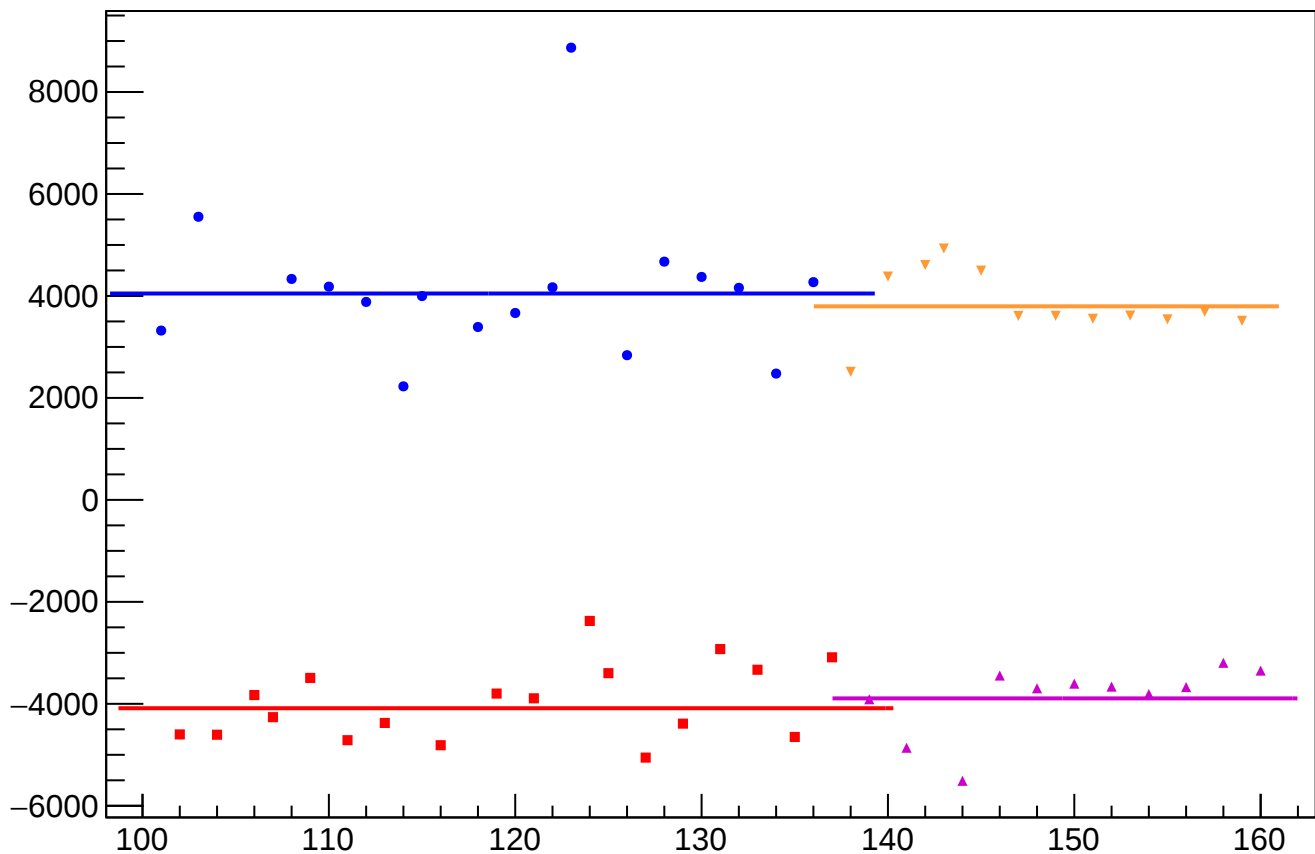
Right In: 317.084+/-0.000 χ^2/NDF : 15440276359245580191741047920465543168.0/15
 Left Out: 428.978+/-0.000 χ^2/NDF : 10626522837529690140021114504579383296.0/10
 Right Out: -366.053+/-0.000 χ^2/NDF : 31157973605683459615642144815175434240.0/16
 Left In: -419.525+/-0.000 χ^2/NDF : 7733869691626146763225313004956418048.0/10
 All: -21.488+/-0.000 χ^2/NDF : 545956988188

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



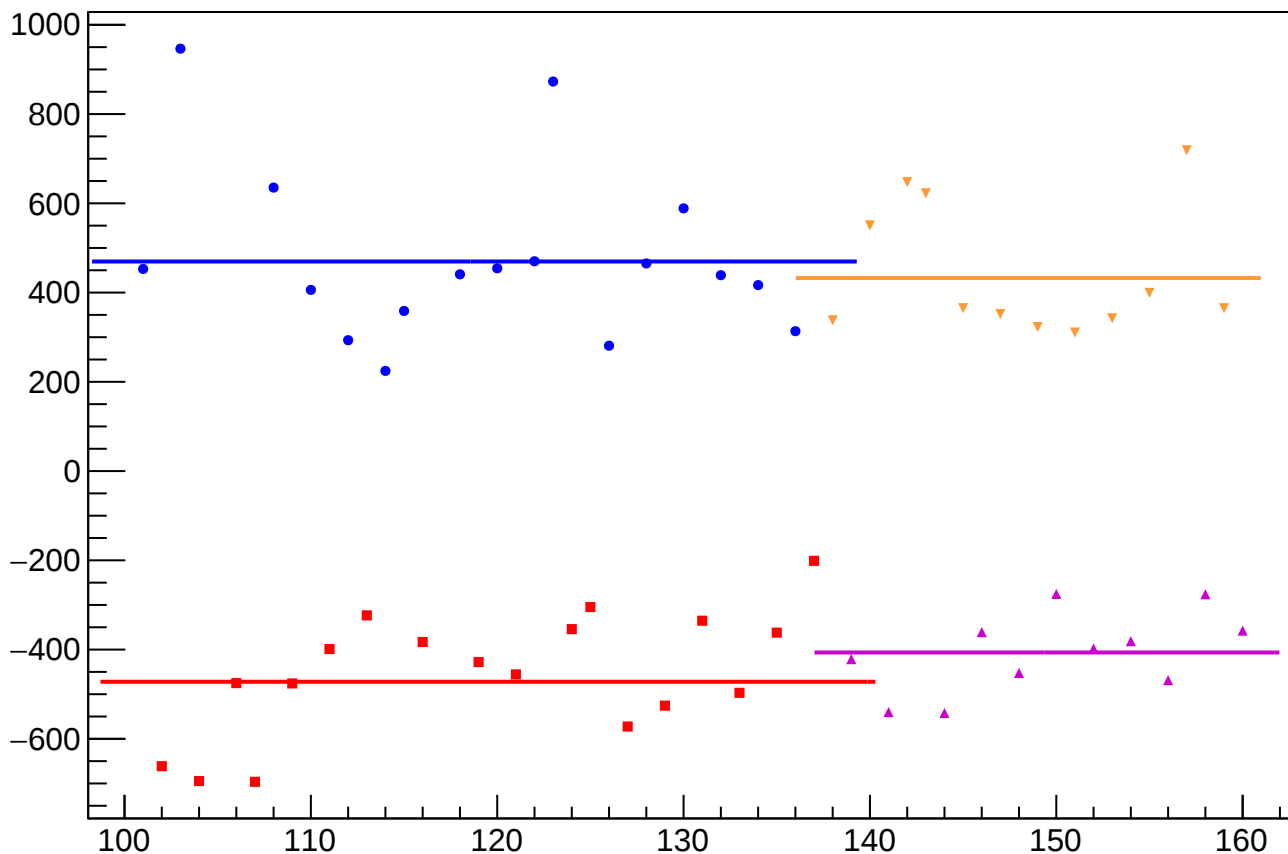
Right In: 1086.839+/-0.000 χ^2/NDF : 44275849492978077110615226297834536960.0/15
 Left Out: 1188.739+/-0.000 χ^2/NDF : 39812899139477527607362290262896279552.0/10
 Right Out: -1044.621+/-0.000 χ^2/NDF : 50844042601115178022623217176499191808.0/16
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -56.828+/-0.000 χ^2/NDF : 445808036834

dit_usr_coil4_mean vs Slug, Sign Corrected



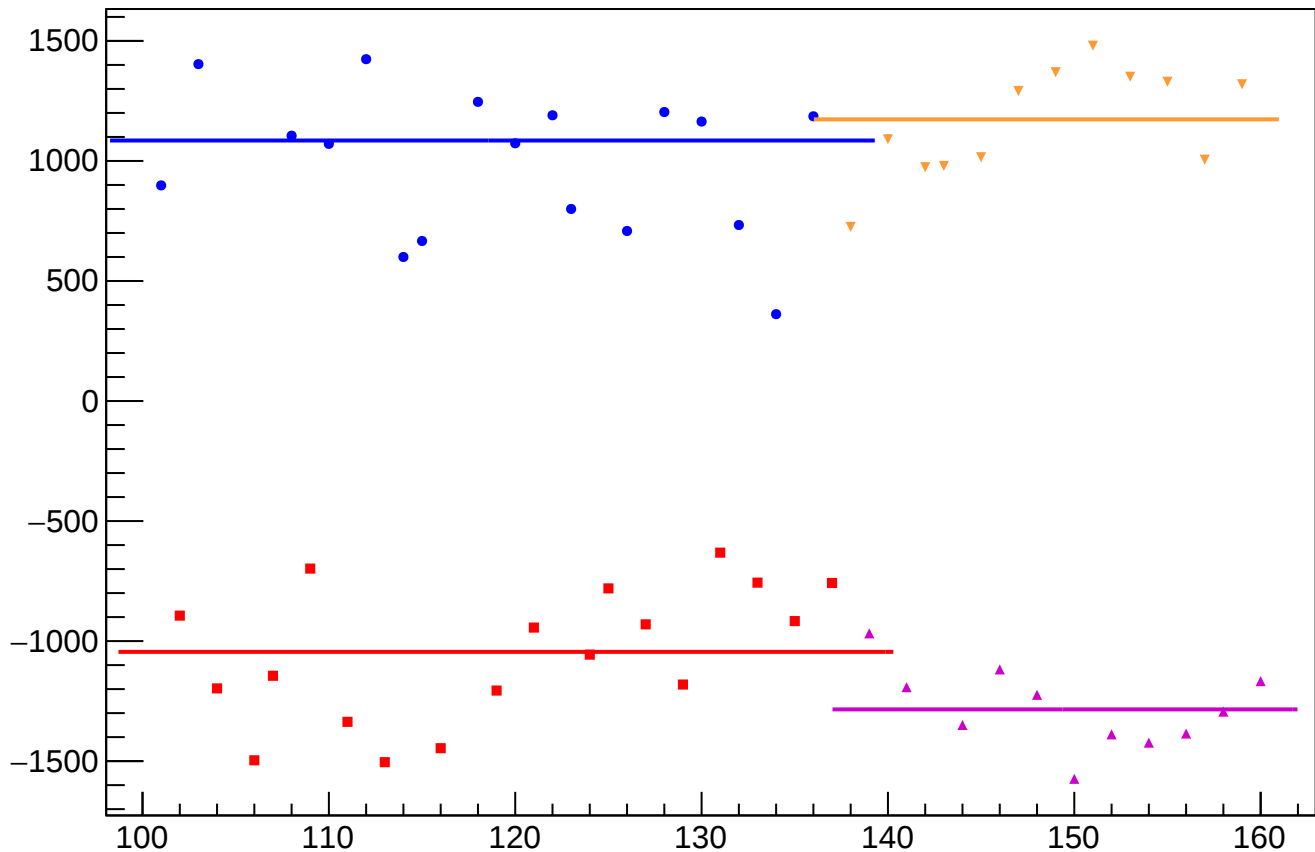
Right In: 4047.777+/-0.000 χ^2/NDF : 474277601546286209707812771687018004480.0/16
 Left Out: 3796.236+/-0.000 χ^2/NDF : 336687829589722132467600550527009554432.0/11
 Right Out: -4086.316+/-0.000 χ^2/NDF : 301982700213825275137563978140215148544.0/17
 Left In: -3893.435+/-0.000 χ^2/NDF : 413166584185760487956391730192104554496.0/10
 All: -90.543+/-0.000 χ^2/NDF : 520525241625

dit_usr_coil4_err_mean vs Slug, Sign Corrected



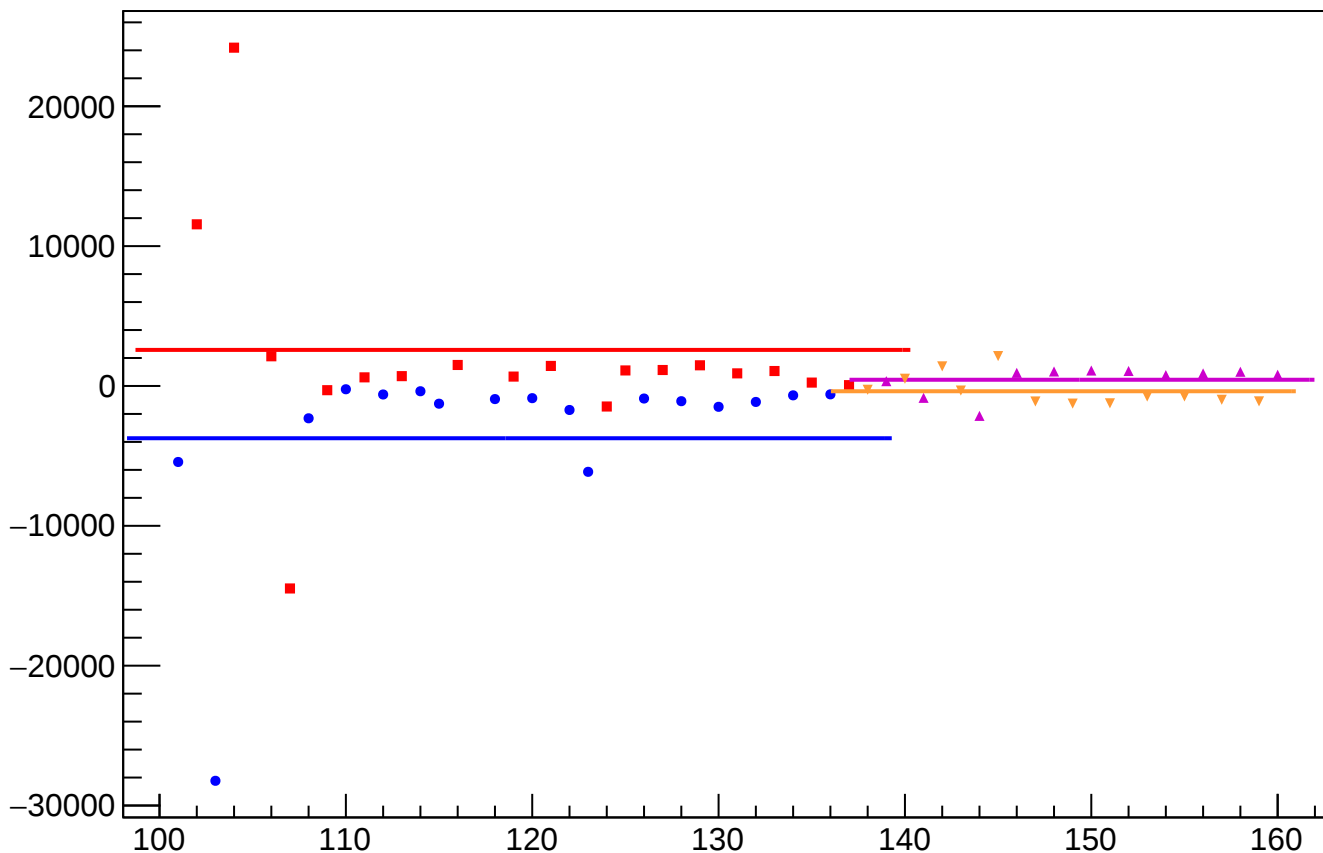
Right In: 469.645 $\pm$ 0.000 χ^2 /NDF: 22201042961896219188176863921652629504.0/16
 Left Out: 432.752 $\pm$ 0.000 χ^2 /NDF: 16613778156502227039812648208749821952.0/11
 Right Out: -472.112 $\pm$ 0.000 χ^2 /NDF: 12398871924669384395849092219212398592.0/17
 Left In: -406.513 $\pm$ 0.000 χ^2 /NDF: 7035979744021755230989165632233144320.0/10
 All: 0.759 $\pm$ 0.000 χ^2 /NDF: 69510091565194

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



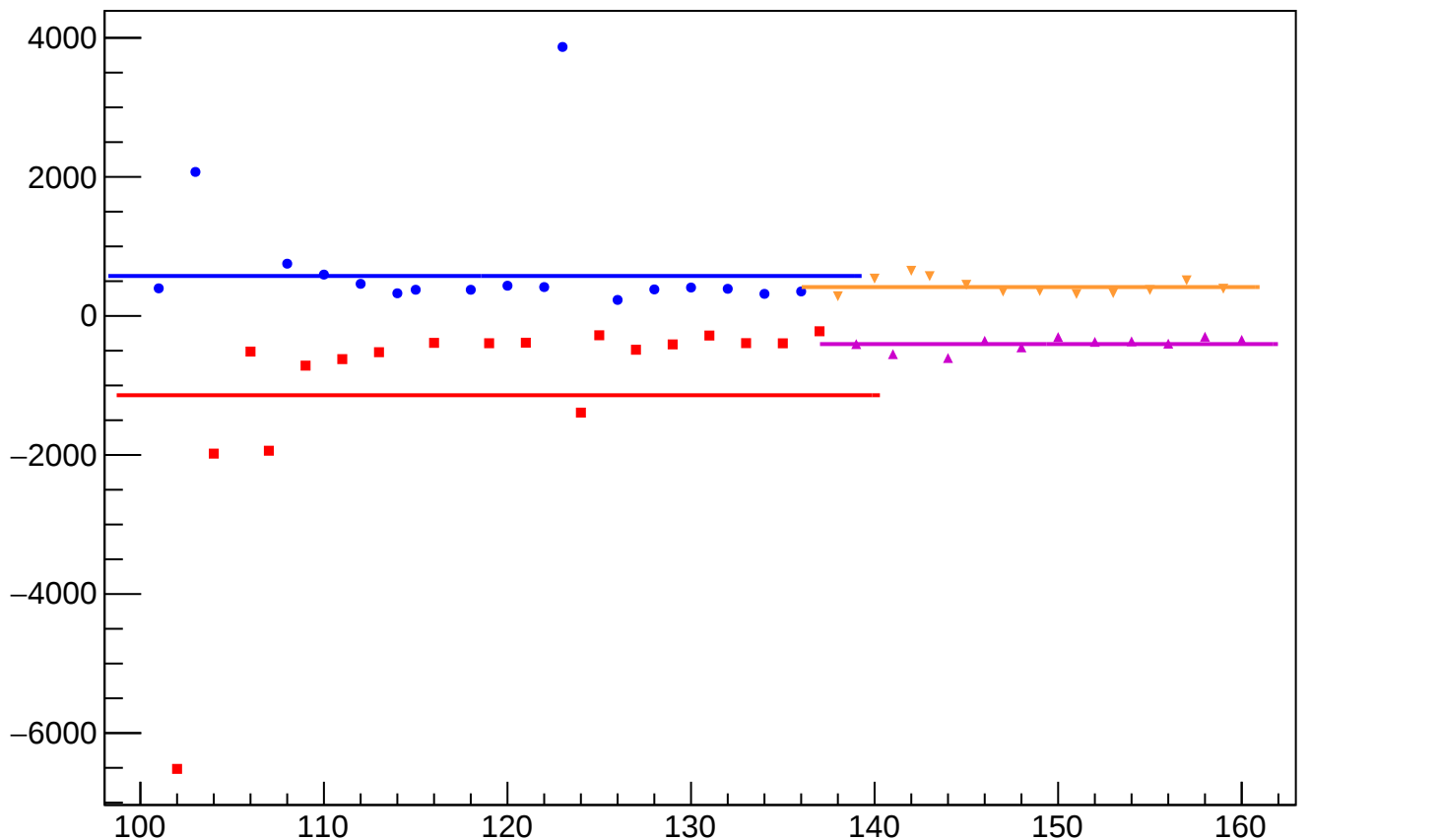
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_atl1_coil4_mean vs Slug, Sign Corrected



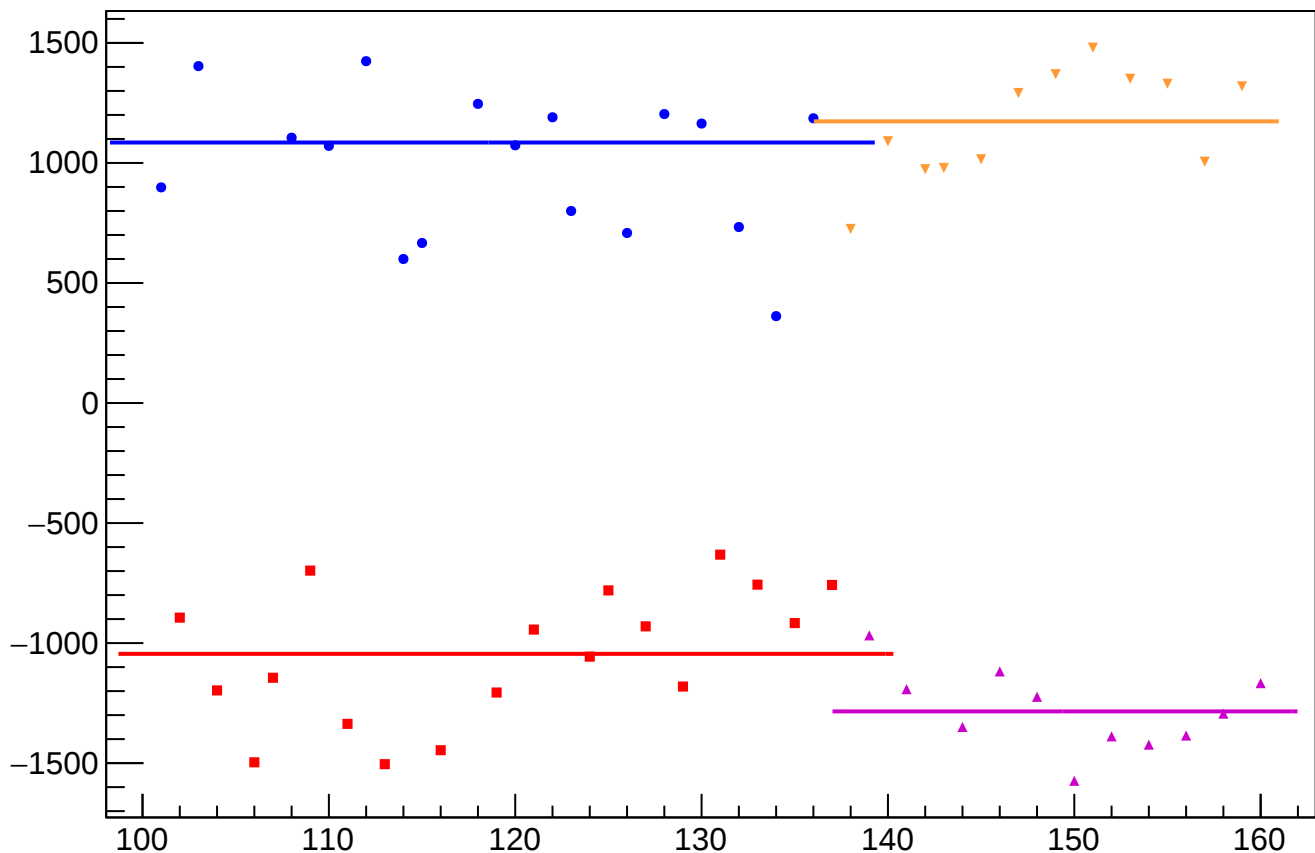
Right In: -3737.261 ± 0.000 $\chi^2/\text{NDF}: 39970682954500817220133496875438988853248.0/16$
 Left Out: -377.495 ± 0.000 $\chi^2/\text{NDF}: 962483060737220205564221178088372830208.0/11$
 Right Out: 2578.788 ± 0.000 $\chi^2/\text{NDF}: 41033783209718443304558448411646302879744.0/17$
 Left In: 444.428 ± 0.000 $\chi^2/\text{NDF}: 923276009049297948790551518127417458688.0/10$
 All: -208.649 ± 0.000 $\chi^2/\text{NDF}: 97510545741$

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



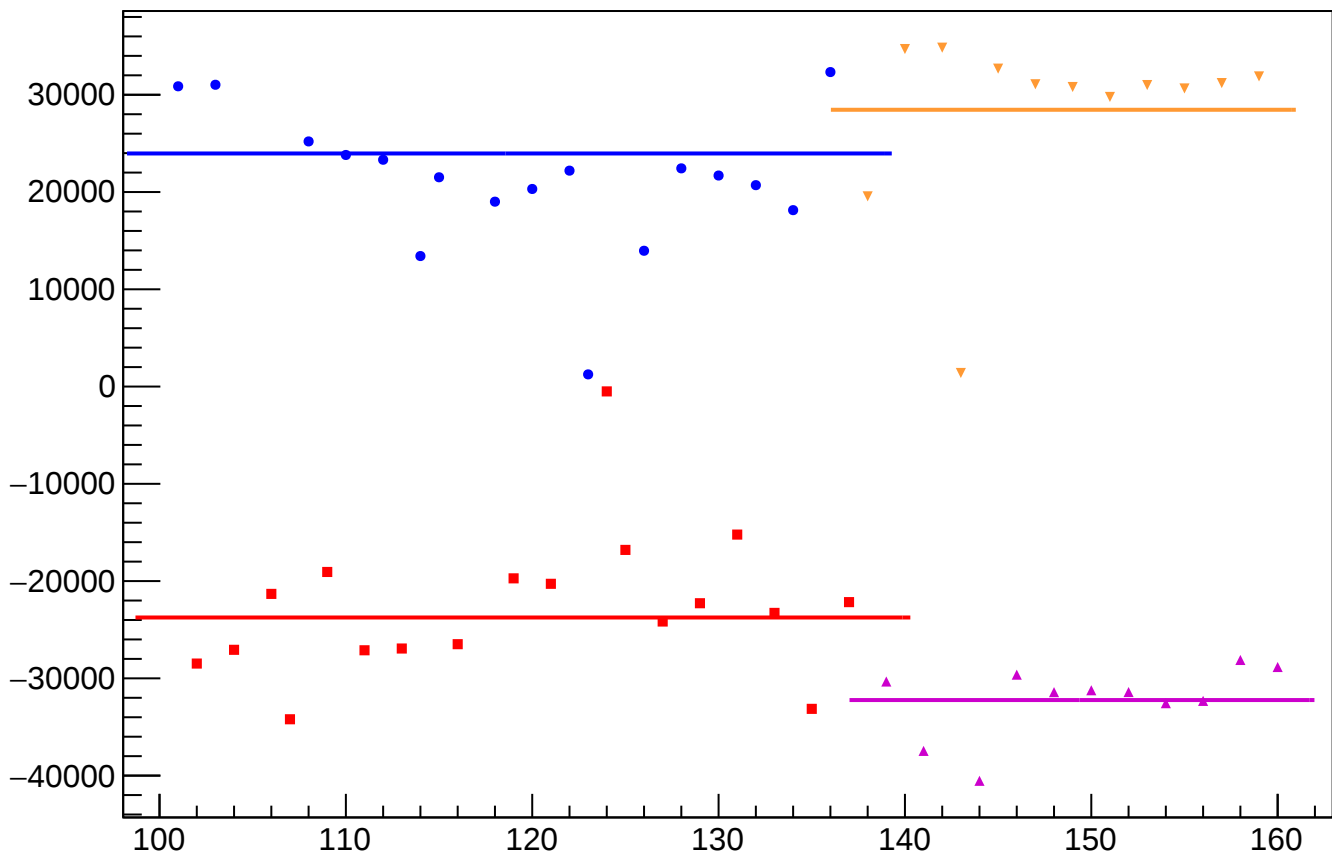
Right In: 574.655+/-0.000 χ^2/NDF : 199698400452439530730016550179978608640.0/16
 Left Out: 415.289+/-0.000 χ^2/NDF : 9749177635603258088647624710302990336.0/11
 Right Out: -1140.608+/-0.000 χ^2/NDF : 2013558101221942862779211693423515926528.0/17
 Left In: -404.849+/-0.000 χ^2/NDF : 8121817838558046042338349225347121152.0/10
 All: -128.253+/-0.000 χ^2/NDF : 36467276883

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_atl2_coil4_mean vs Slug, Sign Corrected



Right In: 23965.147+/-0.000

Left: -2282.243+/-0.000 χ^2 /NDF: 22982900561545593794269983567622080299008.0/16

Left Out: 28458.038+/-0.000

Right: -244.715+/-0.000 χ^2 /NDF: 85050414174133

Right Out: -23743.519+/-0.000

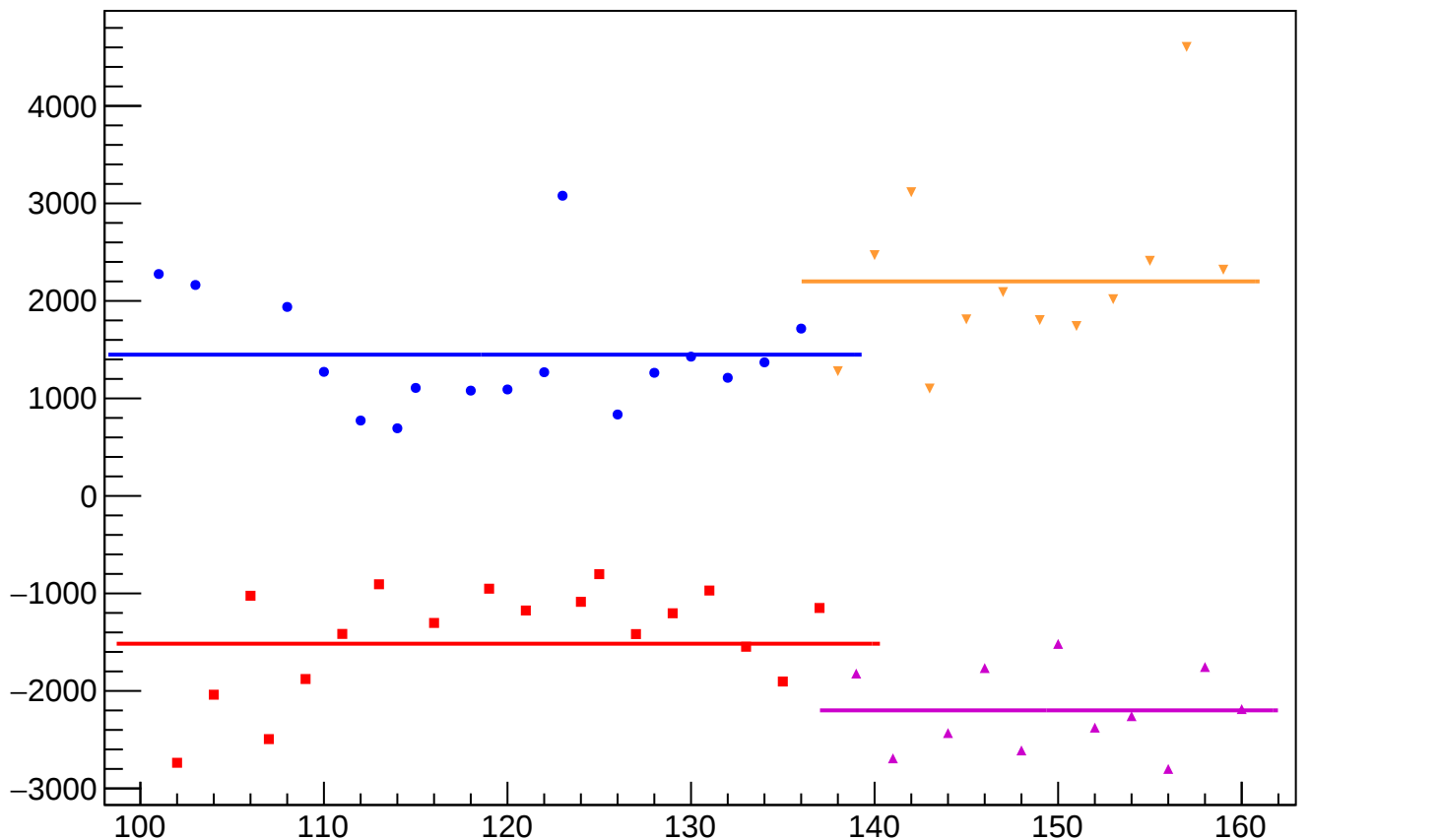
In: -8260.870+/-0.000 χ^2 /NDF: 129168623898544

Left In: -32231.777+/-0.000

Out: 5475.210+/-0.000 χ^2 /NDF: 118177711677927

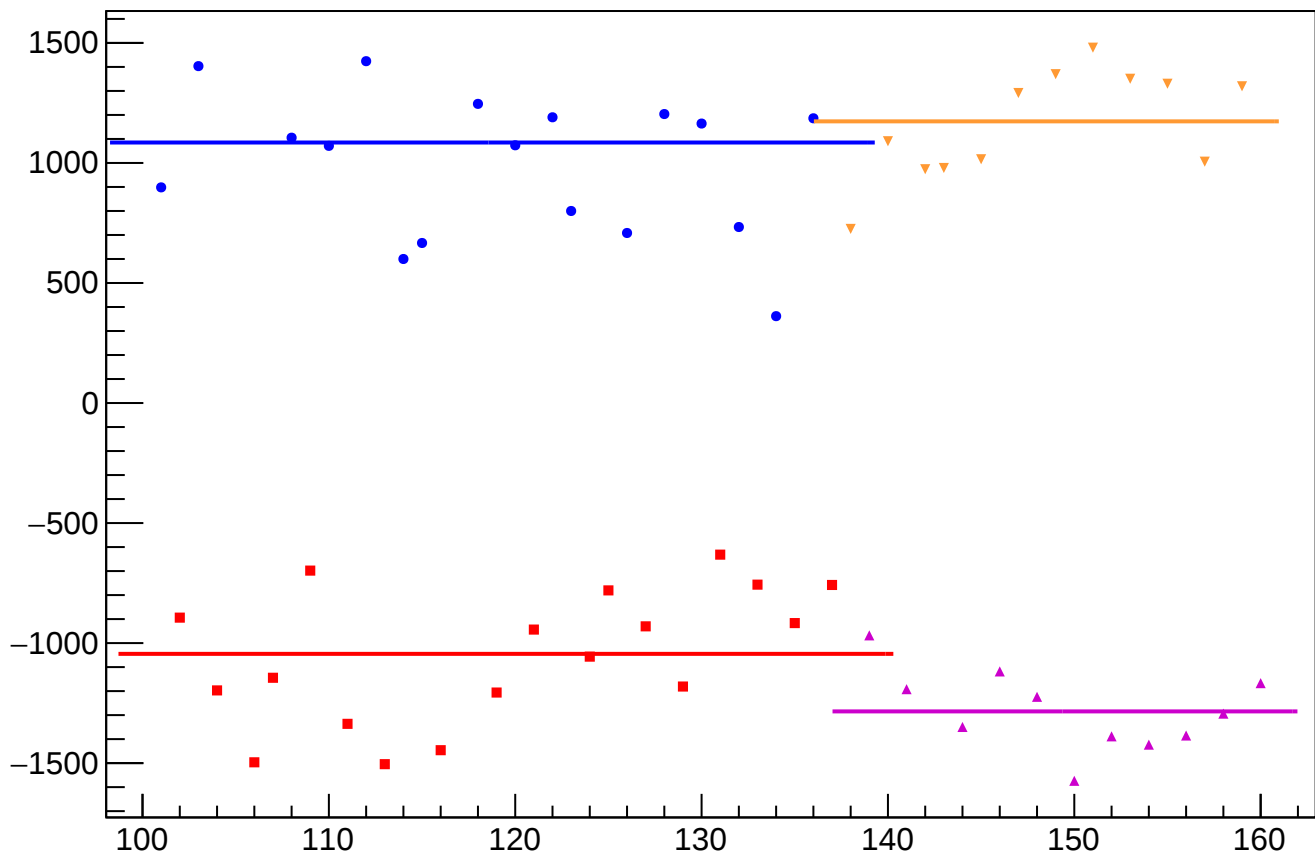
All: -1399.168+/-0.000 χ^2 /NDF: 2626812808

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



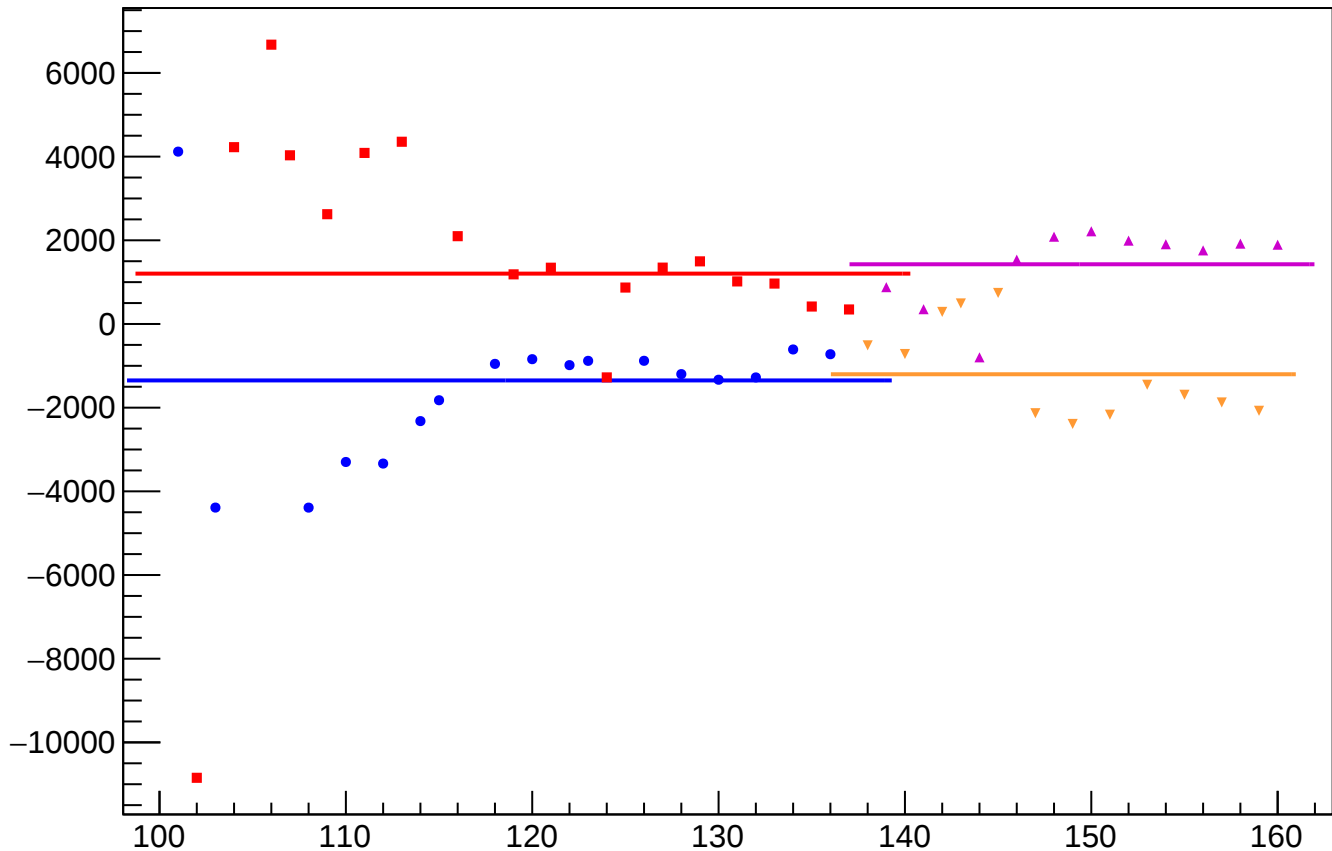
Right In: 1448.784+/-0.000 χ^2/NDF : 161243667372586677805499102921584803840.0/16
 Left Out: 2200.167+/-0.000 χ^2/NDF : 669096191562201912337665879605187182592.0/11
 Right Out: -1515.702+/-0.000 χ^2/NDF : 234412516405982646618467253110689497088.0/17
 Left In: -2199.283+/-0.000 χ^2/NDF : 156934506780582925441007438753813233664.0/10
 All: -40.065+/-0.000 χ^2/NDF : 132287661169

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1349.176+/-0.000

Left Out: -1201.551+/-0.000

Right Out: 1203.612+/-0.000

Left In: 1427.044+/-0.000

χ^2/NDF : 3084941184045918680057306663363310256128.0/16

χ^2/NDF : 1022278799851765665232545195889702993920.0/11

χ^2/NDF : 11193438968454164485978999260490441424896.0/17

χ^2/NDF : 751413830478220555131206140402736300032.0/10

Left: 129.871+/-0.000 χ^2/NDF : 4954983265052940

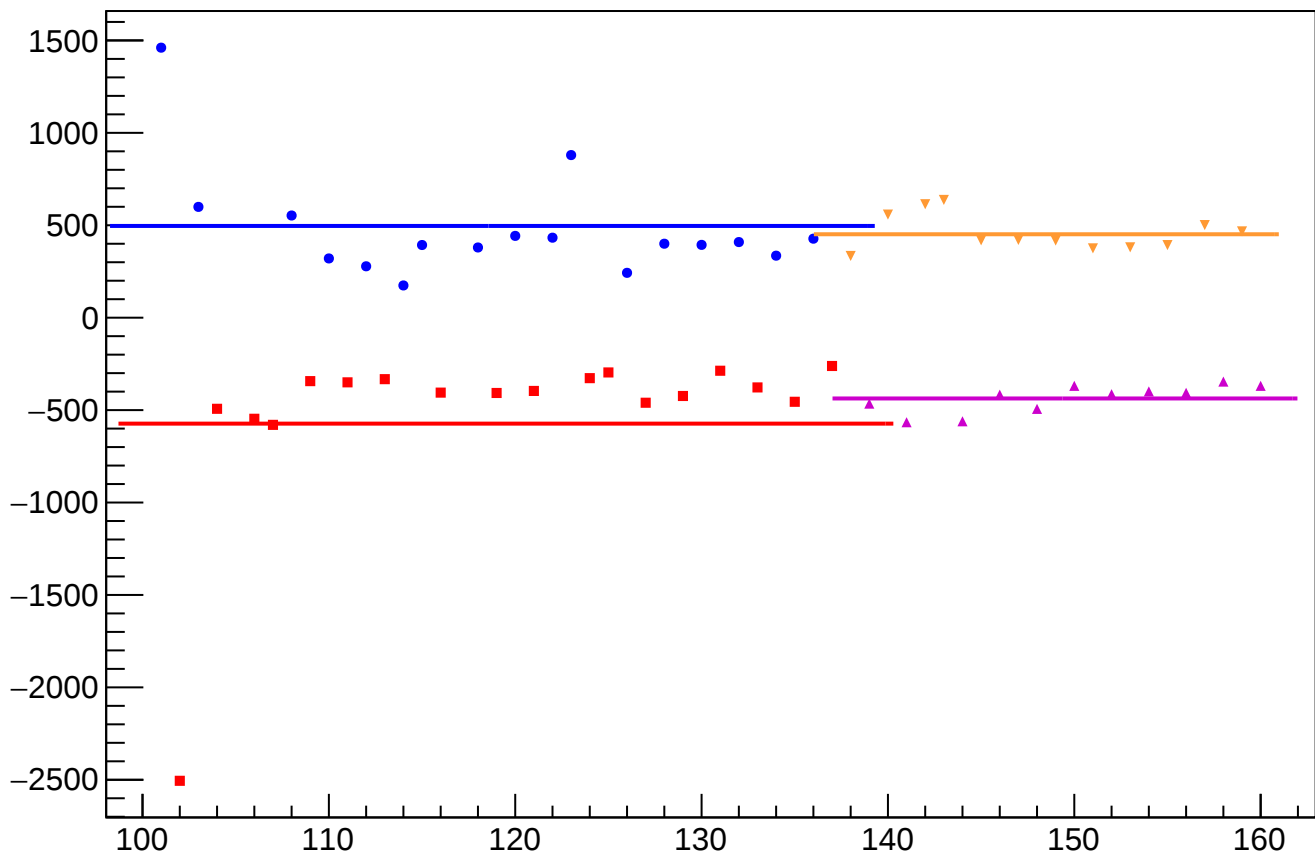
Right: -53.758+/-0.000 χ^2/NDF : 165733864830032

In: 242.842+/-0.000 χ^2/NDF : 6903689749274373

Out: -142.628+/-0.000 χ^2/NDF : 145308353732045

All: 50.285+/-0.000 χ^2/NDF : 2155528916181

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 496.351+/-0.000

χ^2/NDF : 66983748455015205041159290240142147584.0/16

Left Out: 451.374+/-0.000

χ^2/NDF : 7134946740505986037701205636285464576.0/11

Right Out: -573.168+/-0.000

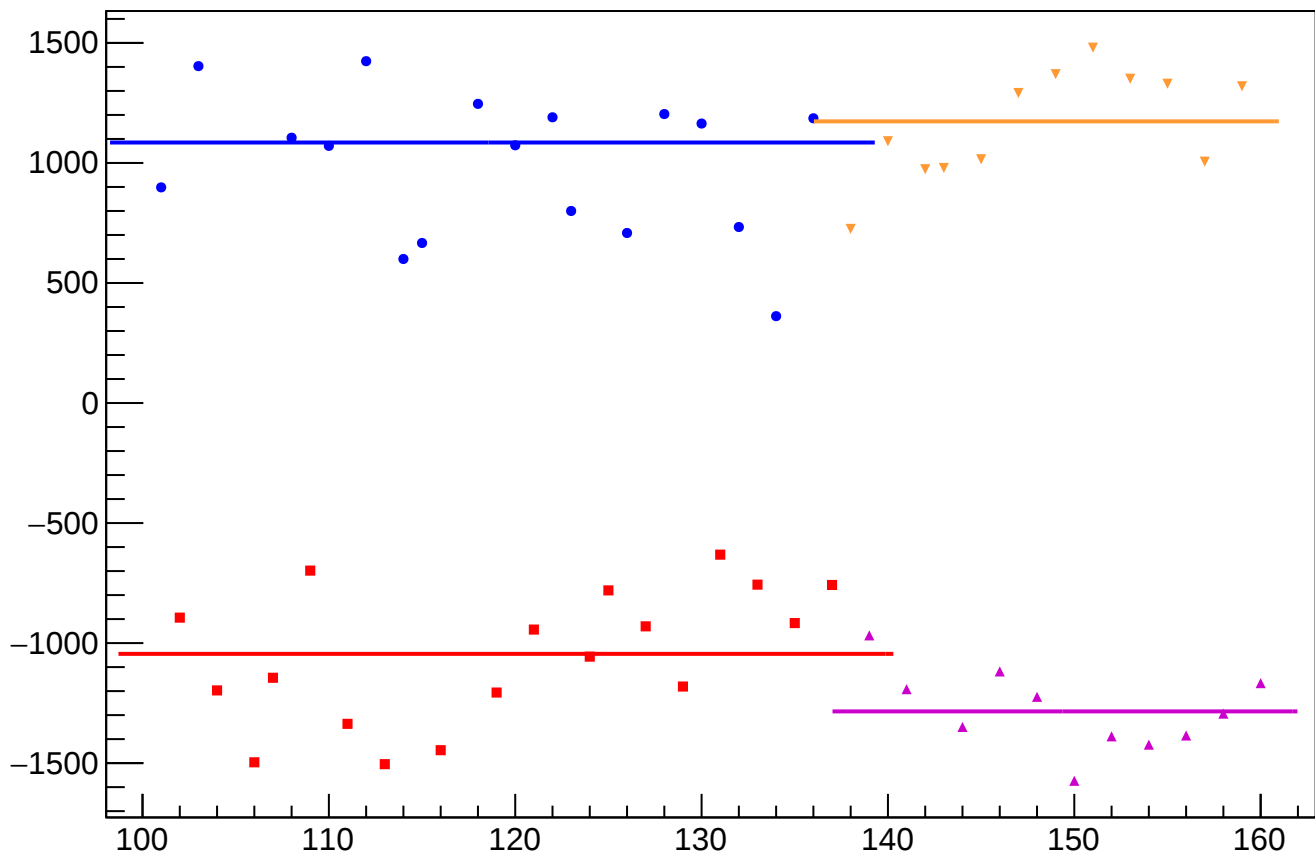
χ^2/NDF : 240073229917698868720276393416726675456.0/17

Left In: -437.047+/-0.000

χ^2/NDF : 4864659833143539285467190686845501440.0/10

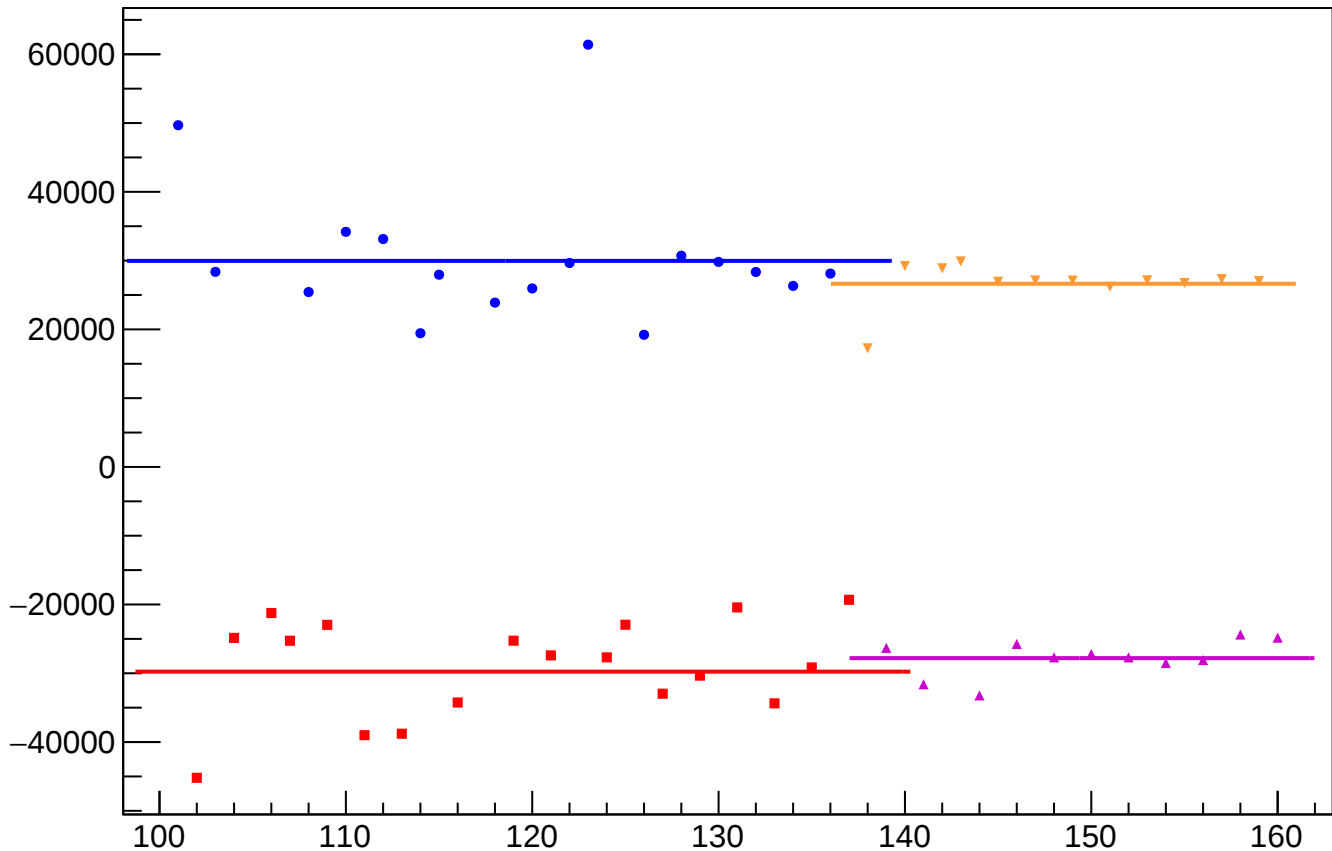
All: -19.321+/-0.000 χ^2/NDF : 108712362073

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_atr2_coil4_mean vs Slug, Sign Corrected



Right In: 29960.563+/-0.000

χ^2/NDF : 38272709086570322906485359352807285587968.0/16

Left Out: 26632.417+/-0.000

χ^2/NDF : 8490243568880868958289706883488159891456.0/11

Right Out: -29764.245+/-0.000

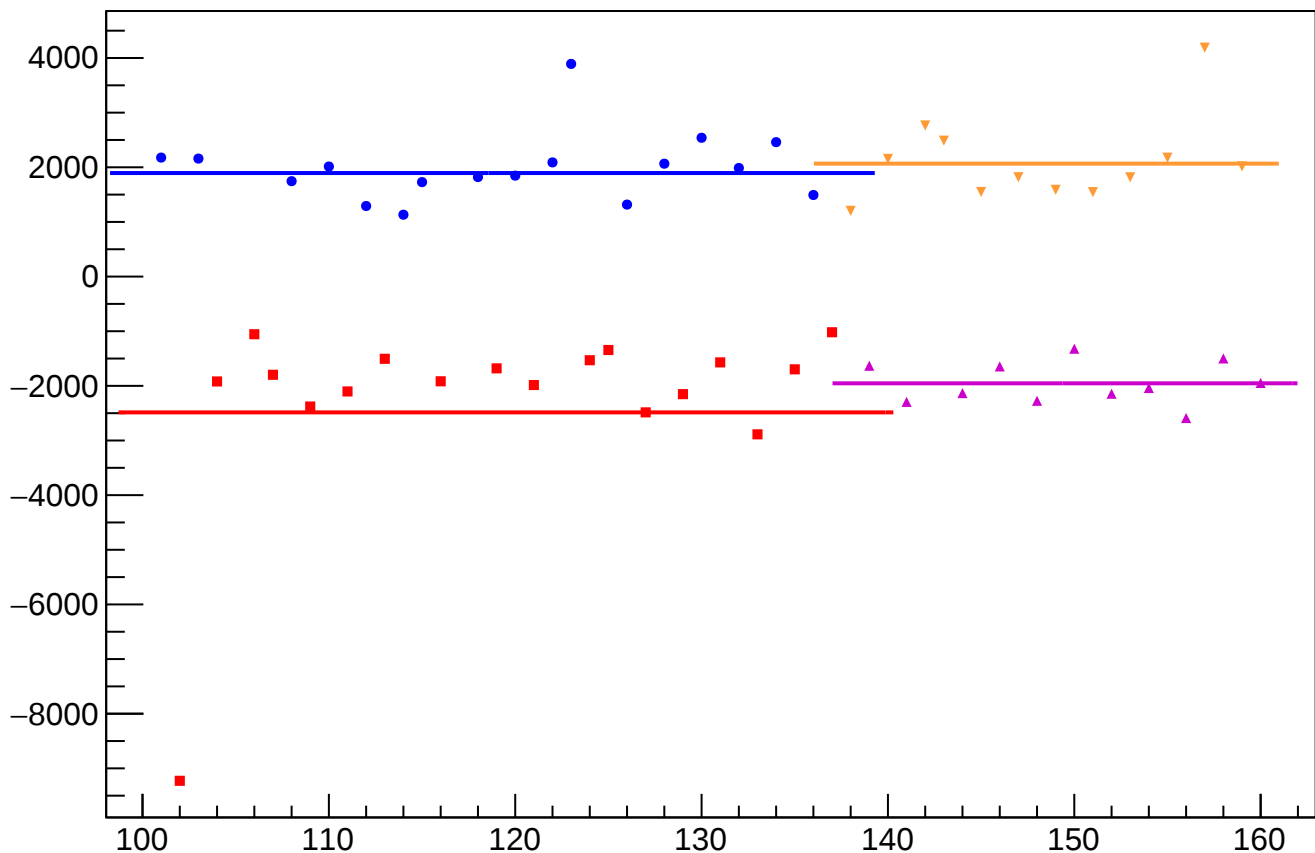
χ^2/NDF : 38095124017741211444799459233695721848832.0/17

Left In: -27798.105+/-0.000

χ^2/NDF : 6158980585091942758745963697527175774208.0/10

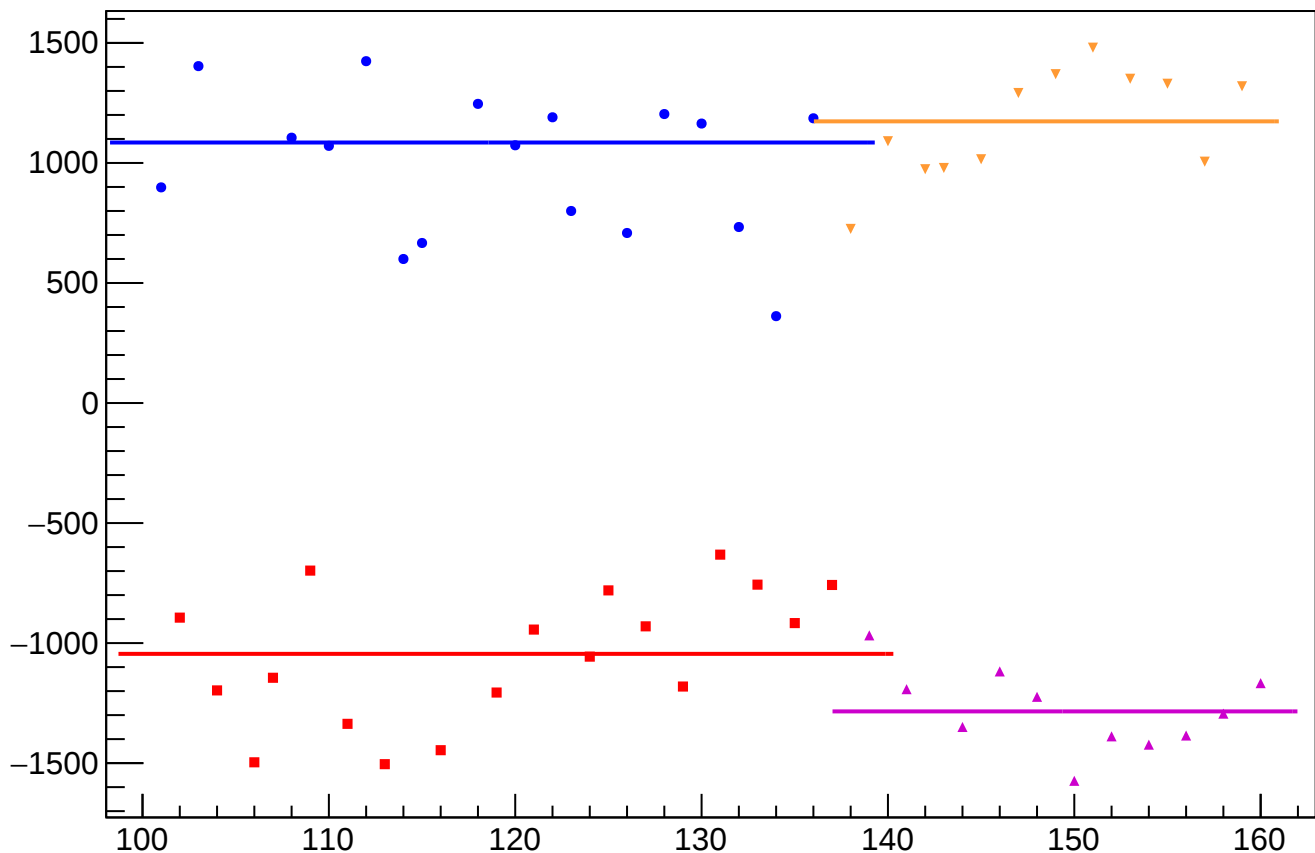
All: -681.504+/-0.000 χ^2/NDF : 27115939878

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



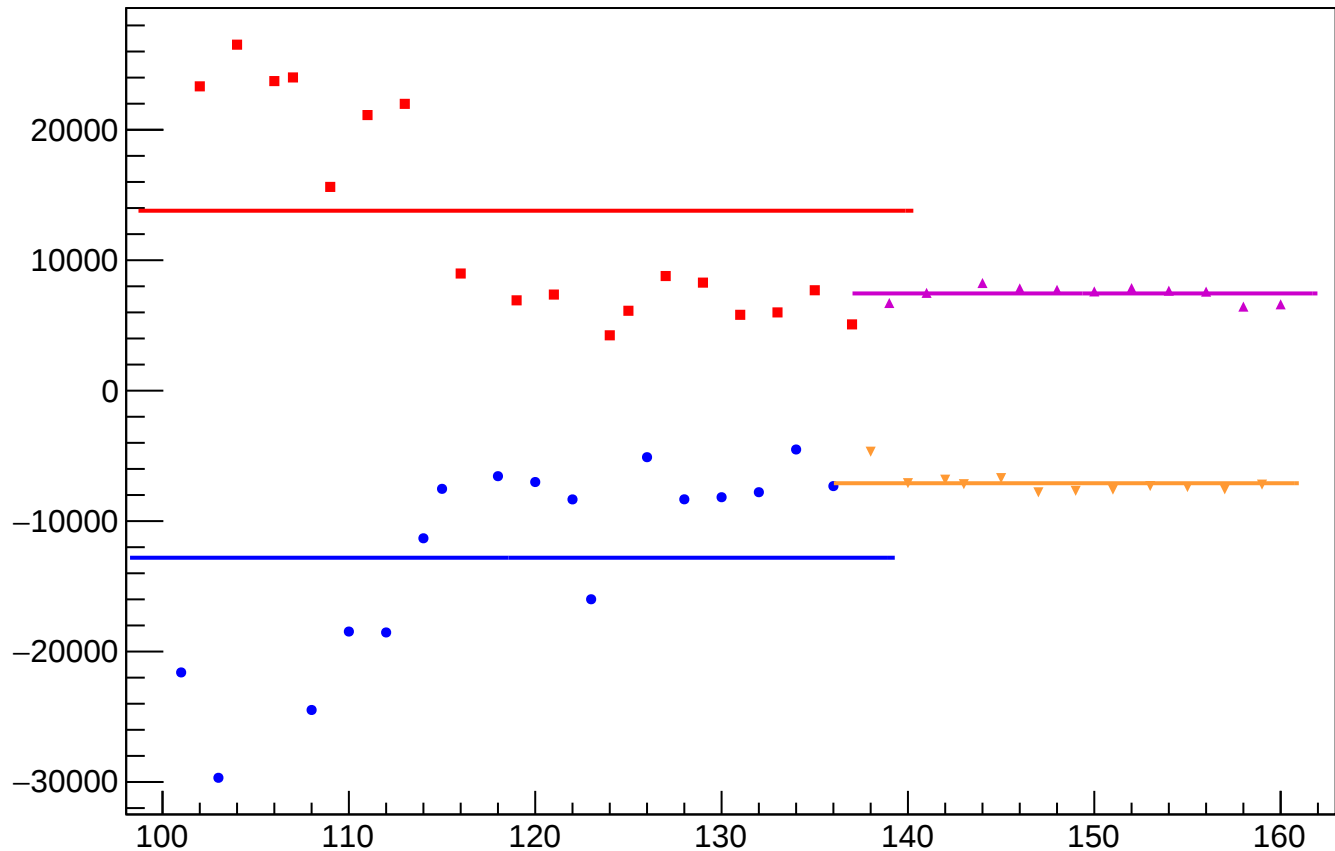
Right In: 1894.762+/-0.000 χ^2/NDF : 112136505207273757562412234872415322112.0/16
 Left Out: 2067.096+/-0.000 χ^2/NDF : 498951714500530031712915611537190682624.0/11
 Right Out: -2485.438+/-0.000 χ^2/NDF : 3007798896738182941908815432963258843136.0/17
 Left In: -1953.340+/-0.000 χ^2/NDF : 126893636747608035073836069635988914176.0/10
 All: -124.761+/-0.000 χ^2/NDF : 18047516215

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam1_coil4_mean vs Slug, Sign Corrected



Right In: -12807.543+/-0.000

χ^2/NDF : 43495419642384540327712467114015835815936.0/16

Left Out: -7096.329+/-0.000

χ^2/NDF : 584722053171334285321257985594368196608.0/11

Right Out: 13794.471+/-0.000

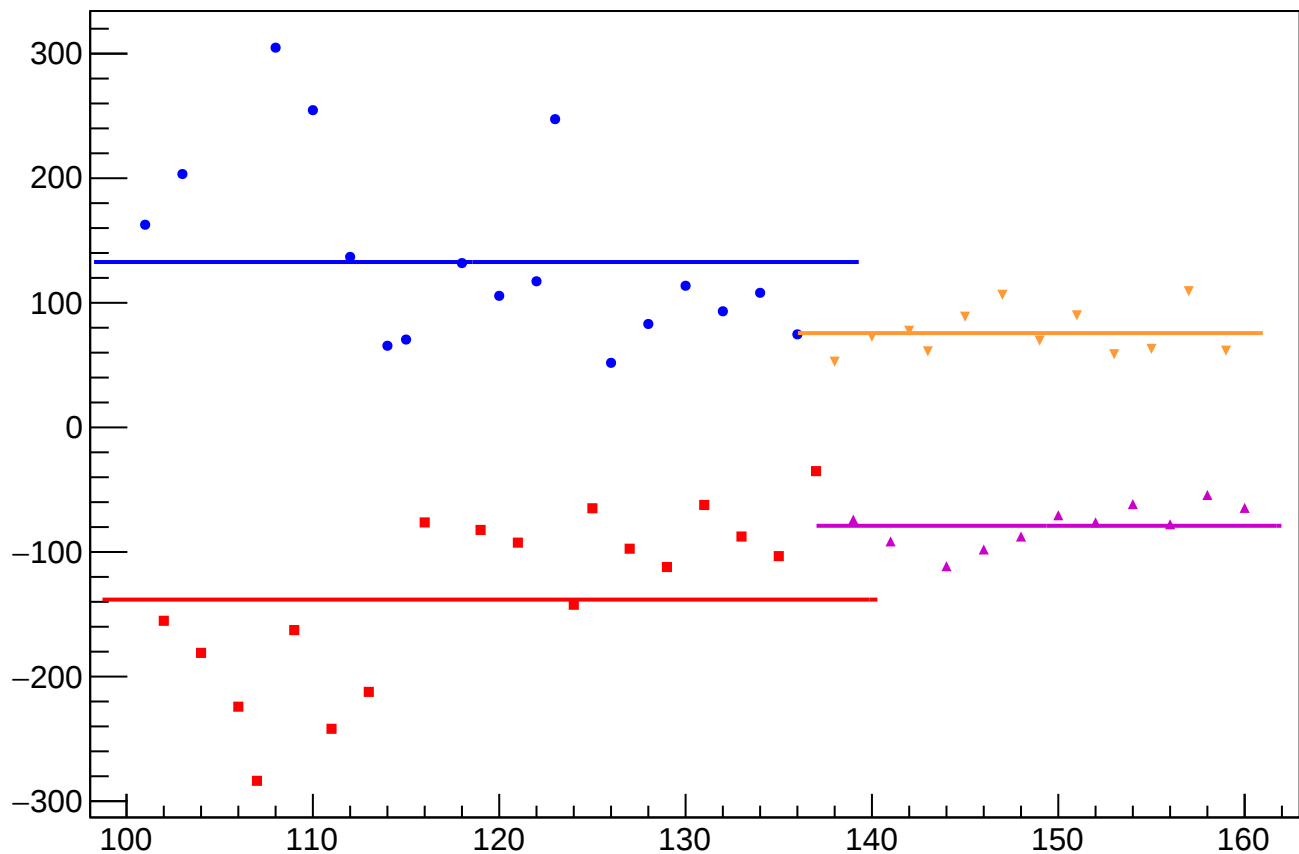
χ^2/NDF : 44540762371856662603320518030739625738240.0/17

Left In: 7453.581+/-0.000

χ^2/NDF : 281861545149716894658296806870620307456.0/10

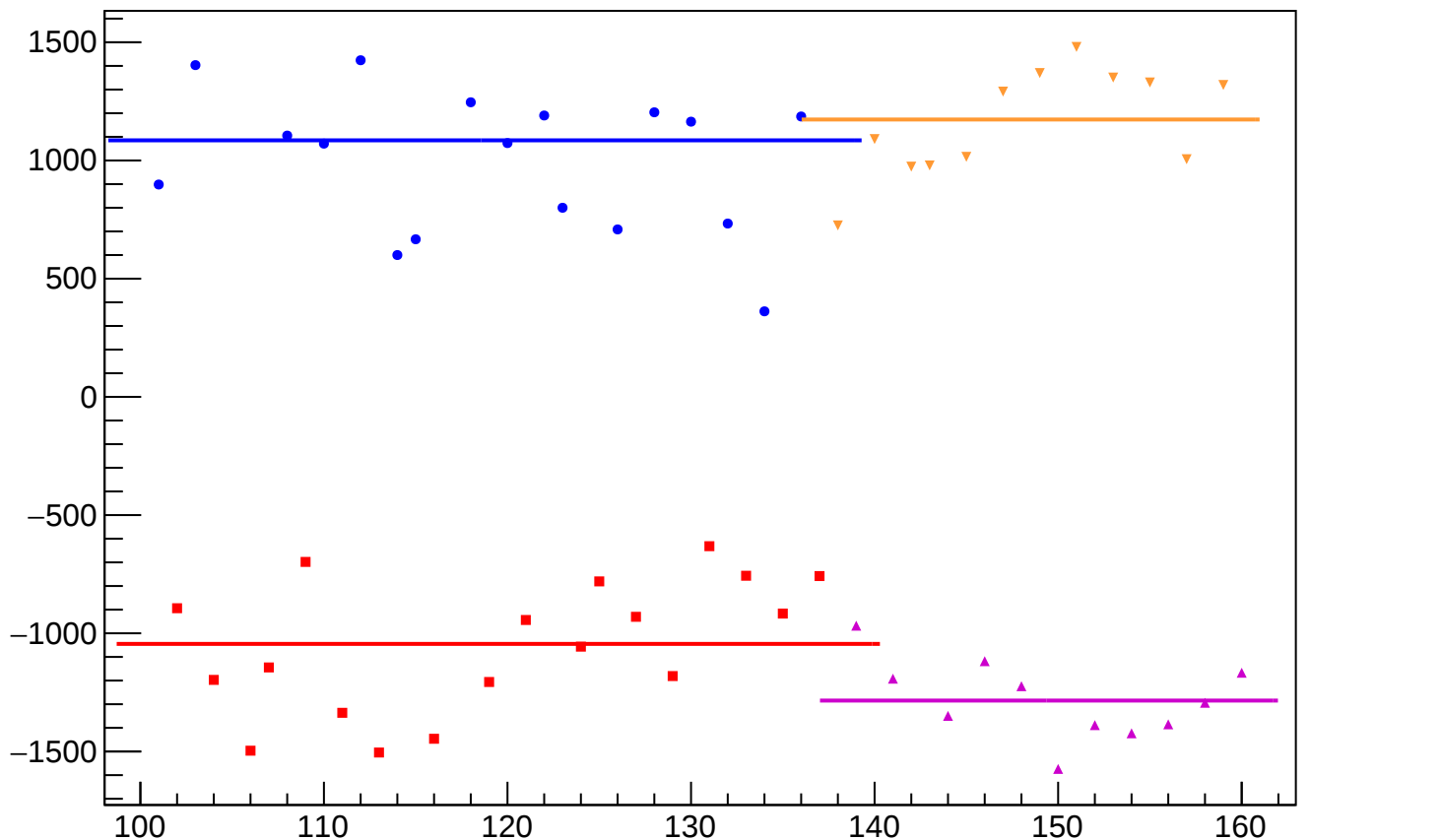
Left: 273.414+/-0.000 χ^2/NDF : 9833783800692671
 Right: 691.705+/-0.000 χ^2/NDF : 337256561899080
 In: -1188.840+/-0.000 χ^2/NDF : 207150417799296
 Out: 2101.283+/-0.000 χ^2/NDF : 219785724716291
 All: 454.703+/-0.000 χ^2/NDF : 435734081943

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



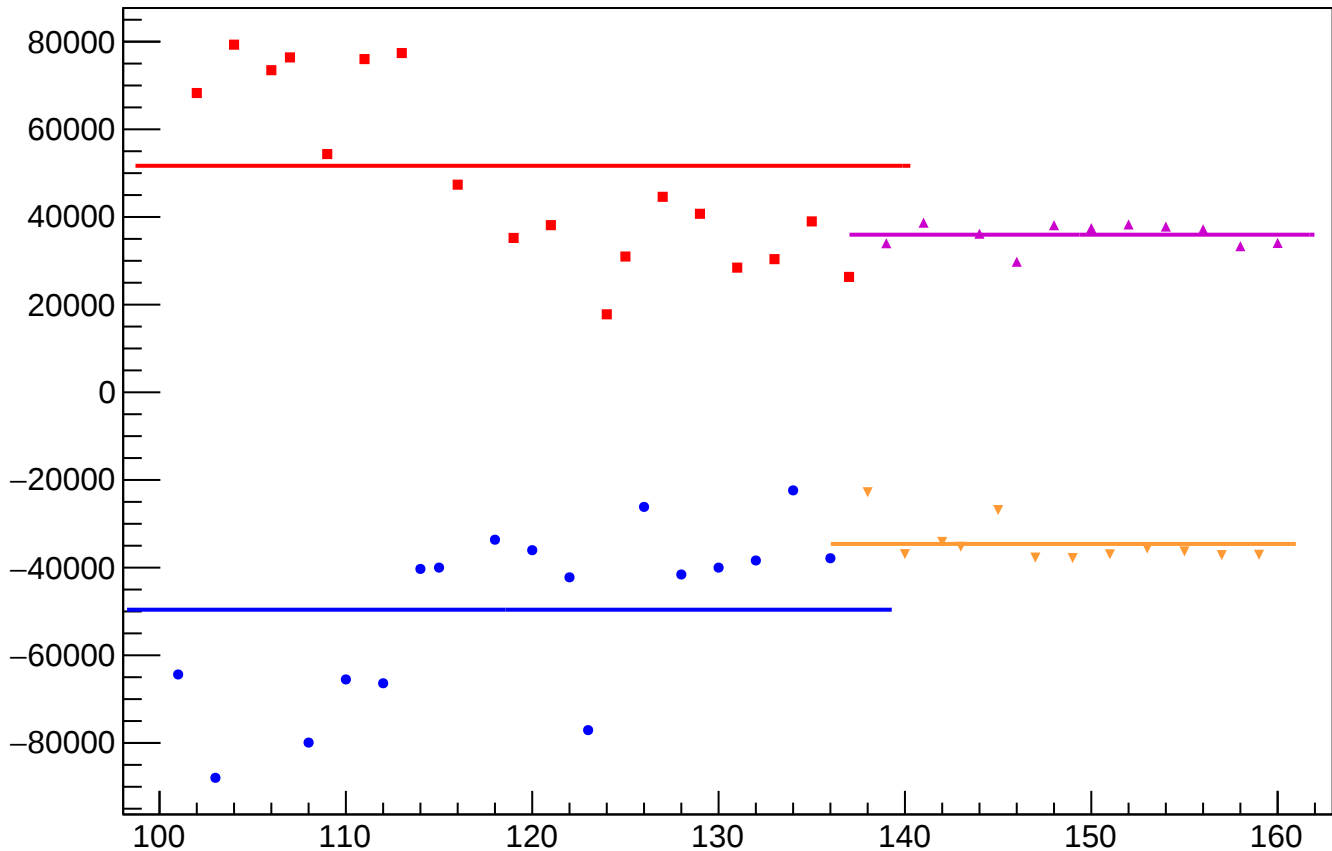
Left: -2.638 ± 0.000 $\chi^2/\text{NDF}: 11556362420616820$
 Right In: 132.743 ± 0.000 $\chi^2/\text{NDF}: 2974792347641490027349453247875121152.0/16$
 Right: -4.751 ± 0.000 $\chi^2/\text{NDF}: 3190255786857063$
 Left Out: 75.694 ± 0.000 $\chi^2/\text{NDF}: 299041397812904543240527879931428864.0/11$
 In: 11.346 ± 0.000 $\chi^2/\text{NDF}: 210560879125943653$
 Right Out: -138.207 ± 0.000 $\chi^2/\text{NDF}: 3073549318432471040798146297277186048.0/17$
 Out: -18.480 ± 0.000 $\chi^2/\text{NDF}: 2168337738862488$
 Left In: -78.954 ± 0.000 $\chi^2/\text{NDF}: 245917130698538374305589687150968832.0/10$
 All: -3.553 ± 0.000 $\chi^2/\text{NDF}: 4346248611398$

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -49596.405+/-0.000

Left Out: -34593.901+/-0.000

Right Out: 51680.980+/-0.000

Left In: 35959.420+/-0.000

χ^2/NDF : 248313182325102448289525934605791330828288.0/16

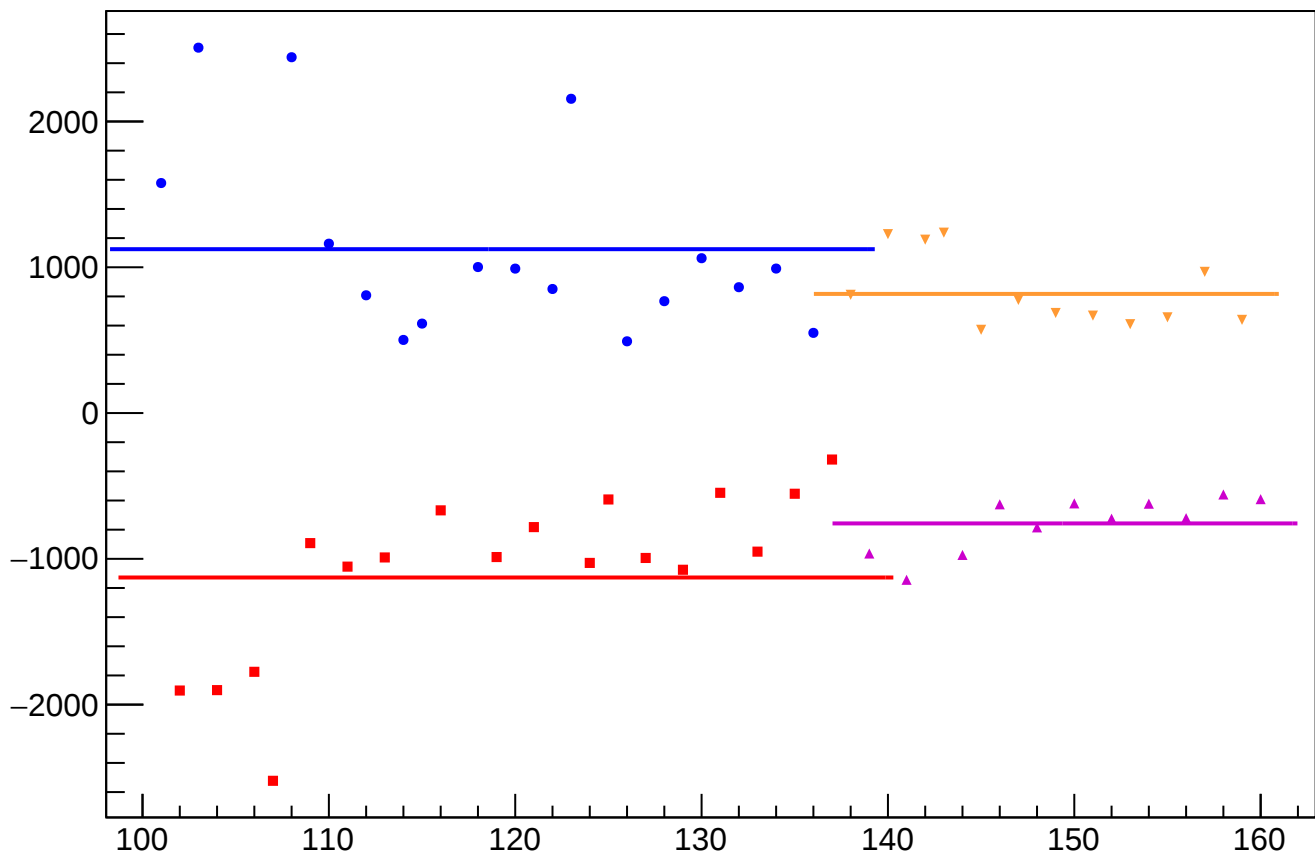
χ^2/NDF : 19332238764834112124747040225536159776768.0/11

χ^2/NDF : 268094403741805330481600683125097153691648.0/17

χ^2/NDF : 6460763561716039047552359643495482261504.0/10

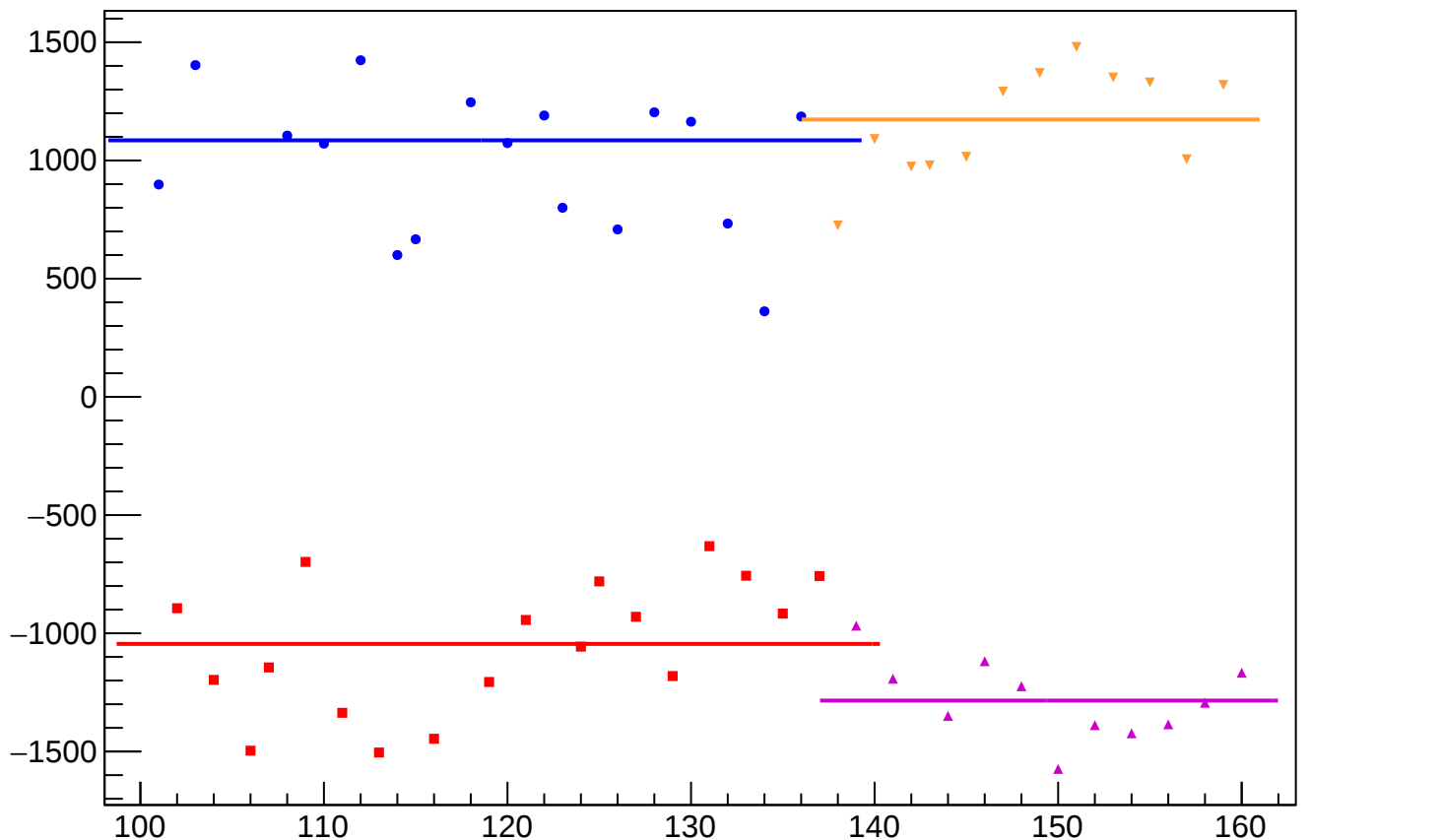
All: 1426.108+/-0.000 χ^2/NDF : 64466810883

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



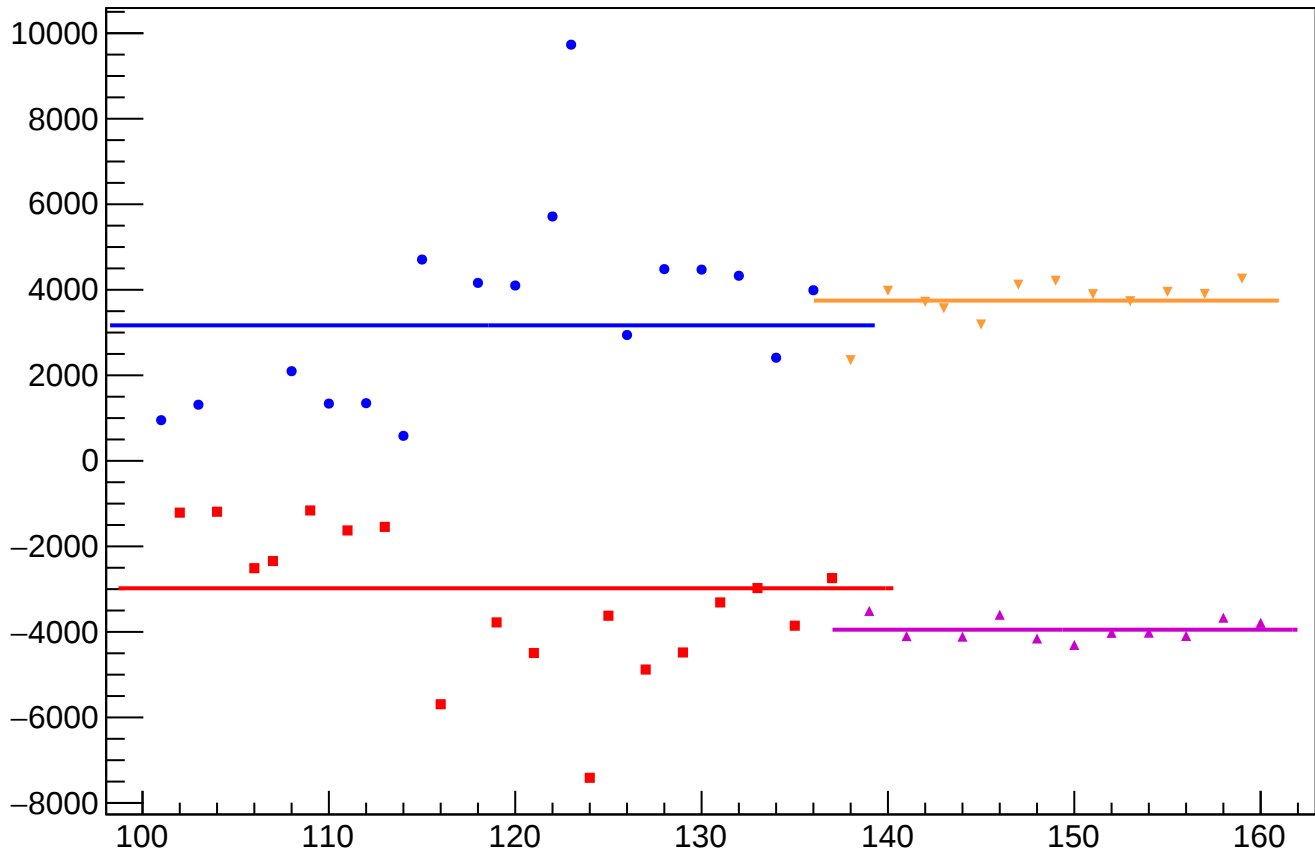
Left: 19.808+/-0.000 χ^2/NDF : 12219716222739218
 Right In: 1124.063+/-0.000 χ^2/NDF : 267842110554403806997651522470490931200.0/16
 Right: -18.777+/-0.000 χ^2/NDF : 227074266812784
 Left Out: 817.239+/-0.000 χ^2/NDF : 49942482269119198529888239758950268928.0/11
 In: 45.308+/-0.000 χ^2/NDF : 170703212048580297
 Right Out: -1128.051+/-0.000 χ^2/NDF : 216680110329654752465971394746324615168.0/17
 Out: -39.215+/-0.000 χ^2/NDF : 1781064318576625
 Left In: -757.110+/-0.000 χ^2/NDF : 30838574623639063731513645765836668928.0/10
 All: 3.085+/-0.000 χ^2/NDF : 34939028528158

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



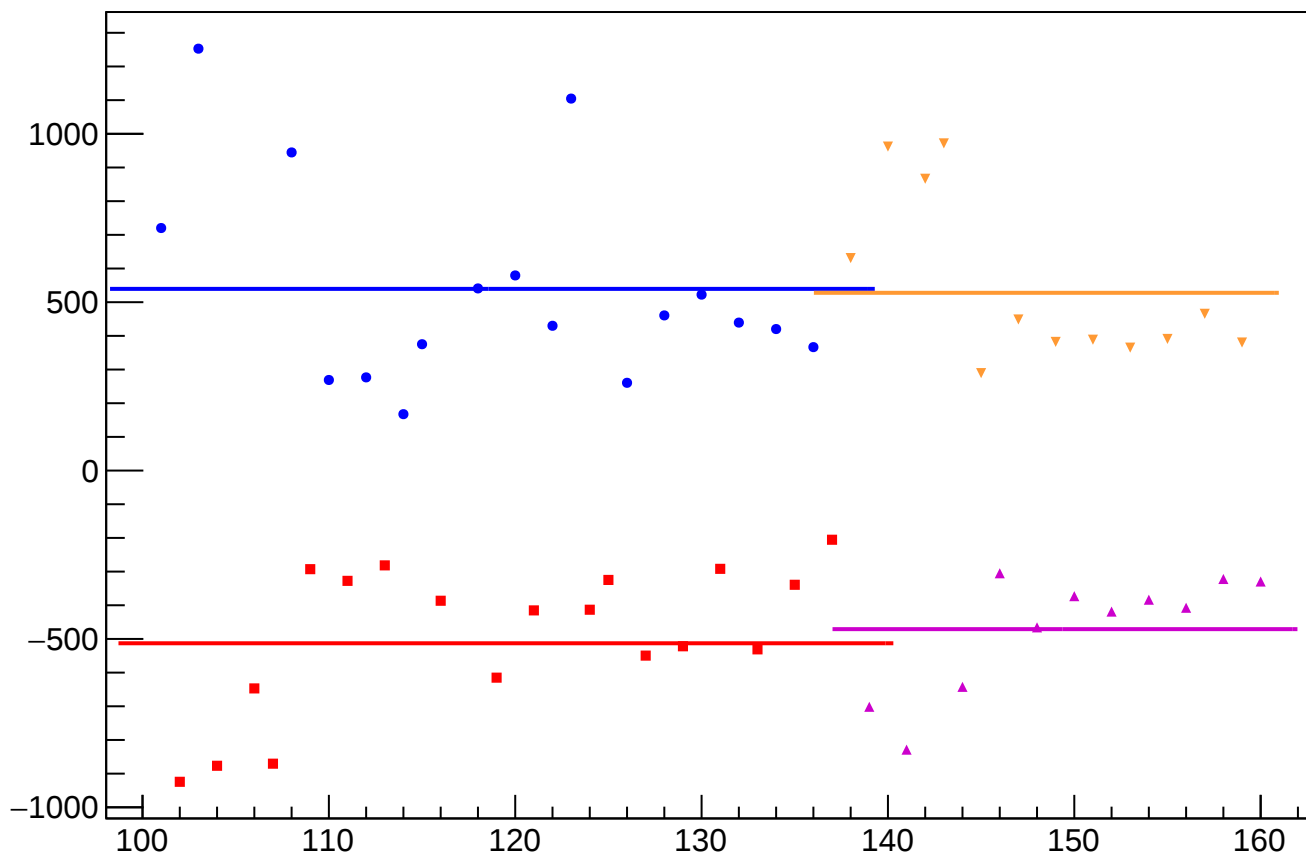
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3168.399 $\pm$ 0.000 χ^2 /NDF: 1758554525431486031573031760874625302528.0/16
 Left Out: 3747.596 $\pm$ 0.000 χ^2 /NDF: 238995509272824091169755194048479494144.0/11
 Right Out: -2979.505 $\pm$ 0.000 χ^2 /NDF: 1604891244832822830292138533265256480768.0/17
 Left In: -3948.419 $\pm$ 0.000 χ^2 /NDF: 56222692399509421042001989393274896384.0/10
 All: -64.222 $\pm$ 0.000 χ^2 /NDF: 442714340176

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 539.553 +/- 0.000 χ^2/NDF : 54885482787684067638945528690813960192.0/16

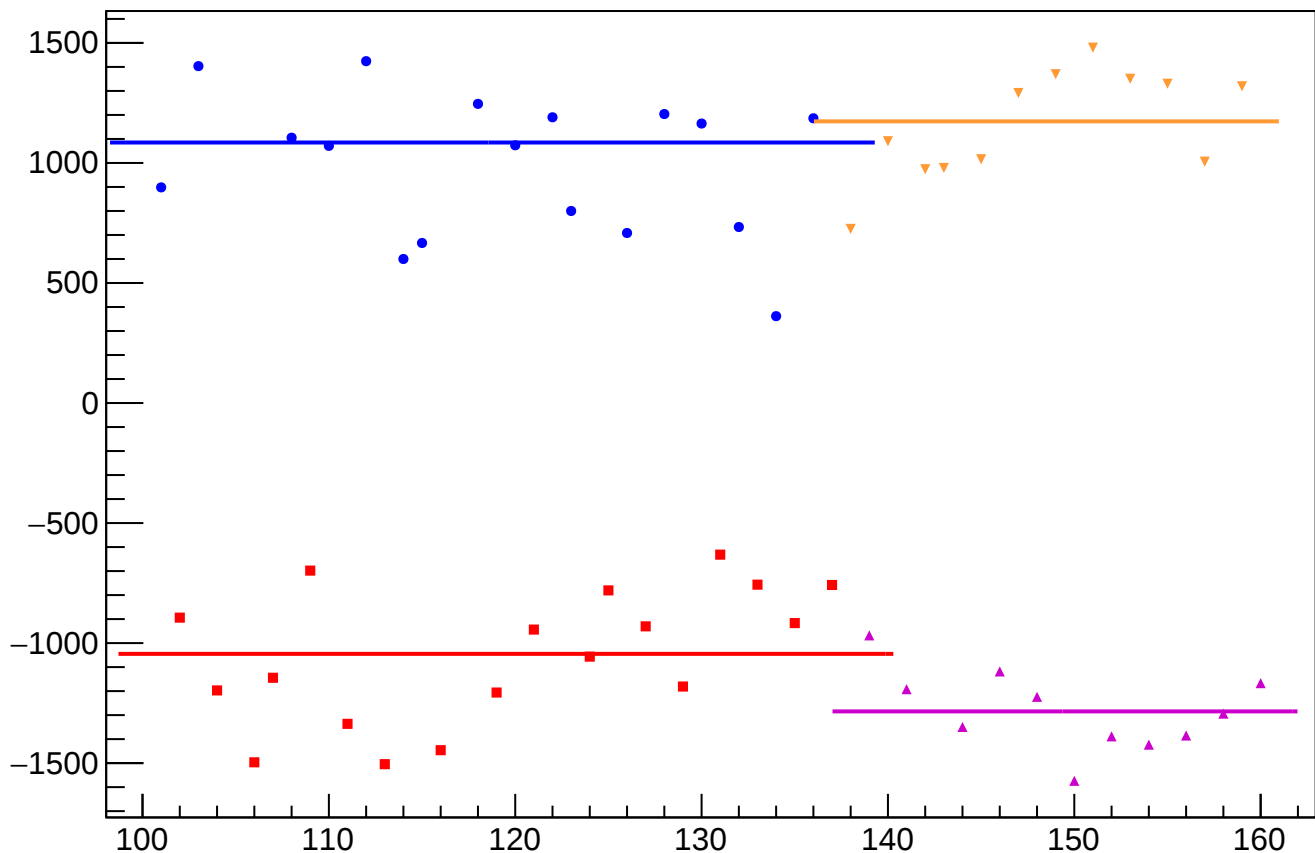
Left Out: 527.872 +/- 0.000 χ^2/NDF : 487501446117202302366636740746149888.0/11

Right Out: -512.868 +/- 0.000 χ^2/NDF : 36013592539821220444279901122721742848.0/17

Left In: -470.909 +/- 0.000 χ^2/NDF : 25659671763739065949342929962819125248.0/10

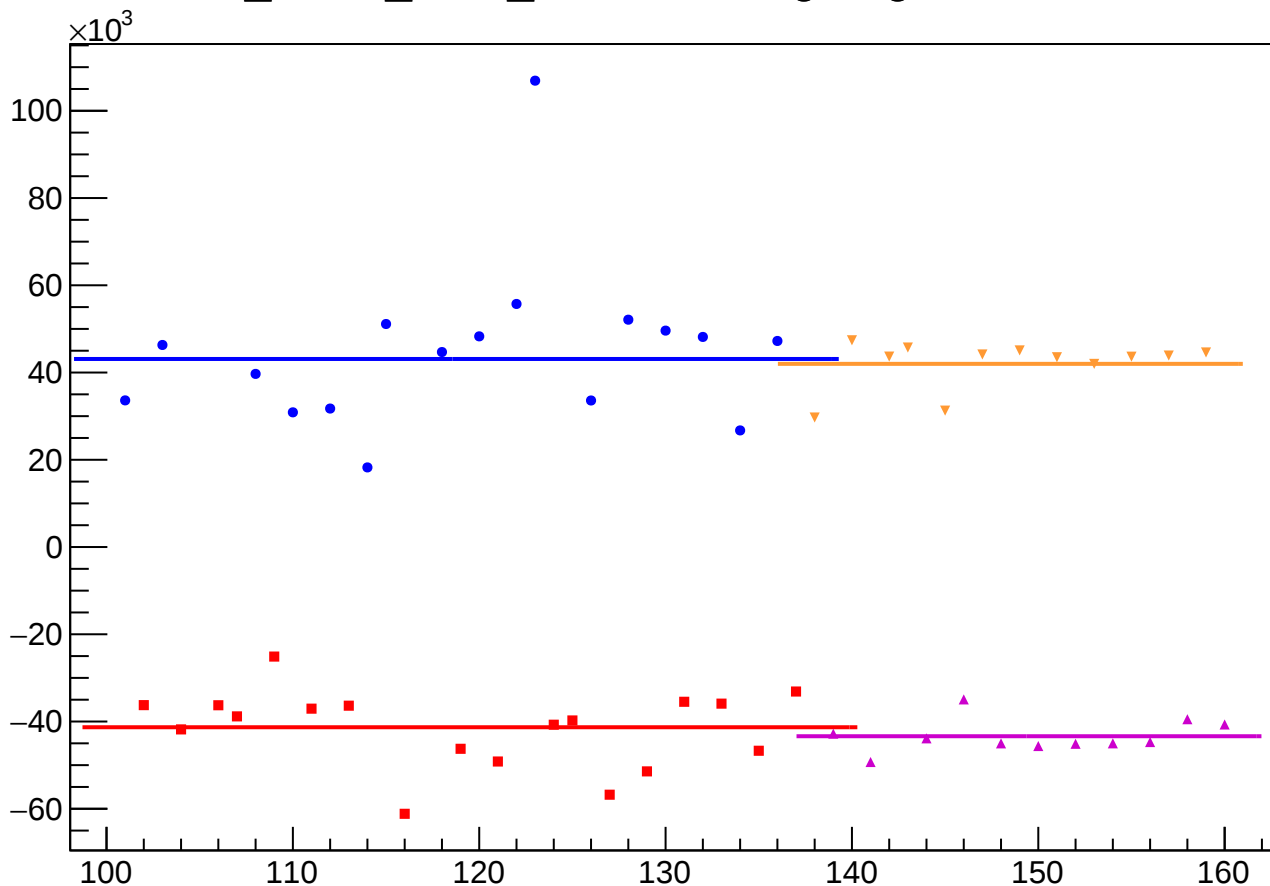
All: 14.834 +/- 0.000 χ^2/NDF : 1014887597497

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



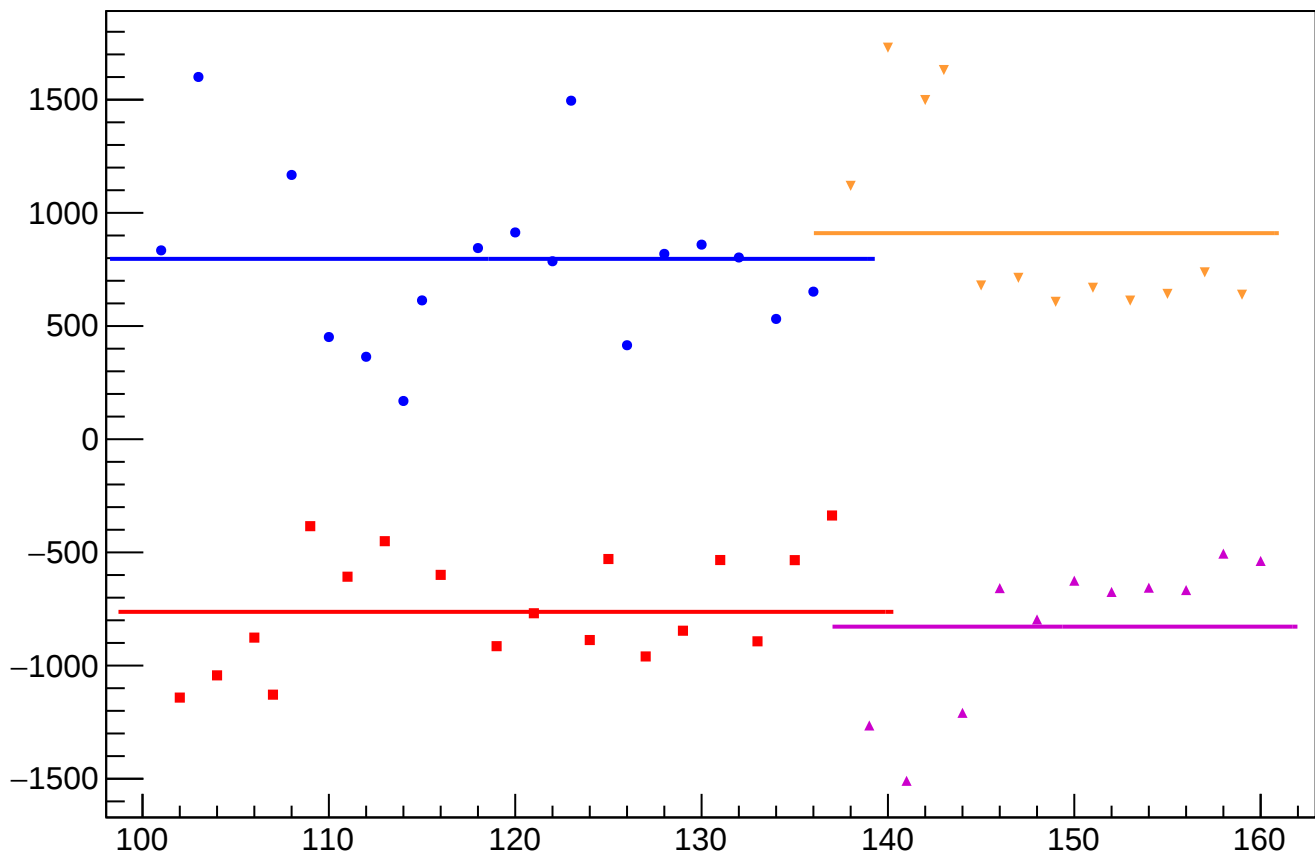
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43108.031+/-0.000 χ^2/NDF : 68611682581967867390827070514847106990080.0/16
 Left: -1248.063+/-0.000 χ^2/NDF : 33936130306512
 Right: 268.355+/-0.000 χ^2/NDF : 263013865606150
 Left Out: 41988.937+/-0.000 χ^2/NDF : 26595625315184876661727332300070884212736.0/11
 In: -6484.267+/-0.000 χ^2/NDF : 305712030076605
 Right Out: -41313.091+/-0.000 χ^2/NDF : 51625009130500845485657820618169448923136.0/17
 Out: 5313.475+/-0.000 χ^2/NDF : 285534325864429
 Left In: -43372.857+/-0.000 χ^2/NDF : 12091187656502960448848492579917477707776.0/10
 All: -590.839+/-0.000 χ^2/NDF : 60255874711

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



Right In: 796.788+/-0.000

χ^2/NDF : 74155375401966789010322999397605965824.0/16

Left Out: 910.363+/-0.000

χ^2/NDF : 150023970715127091011215524166165856256.0/11

Right Out: -762.642+/-0.000

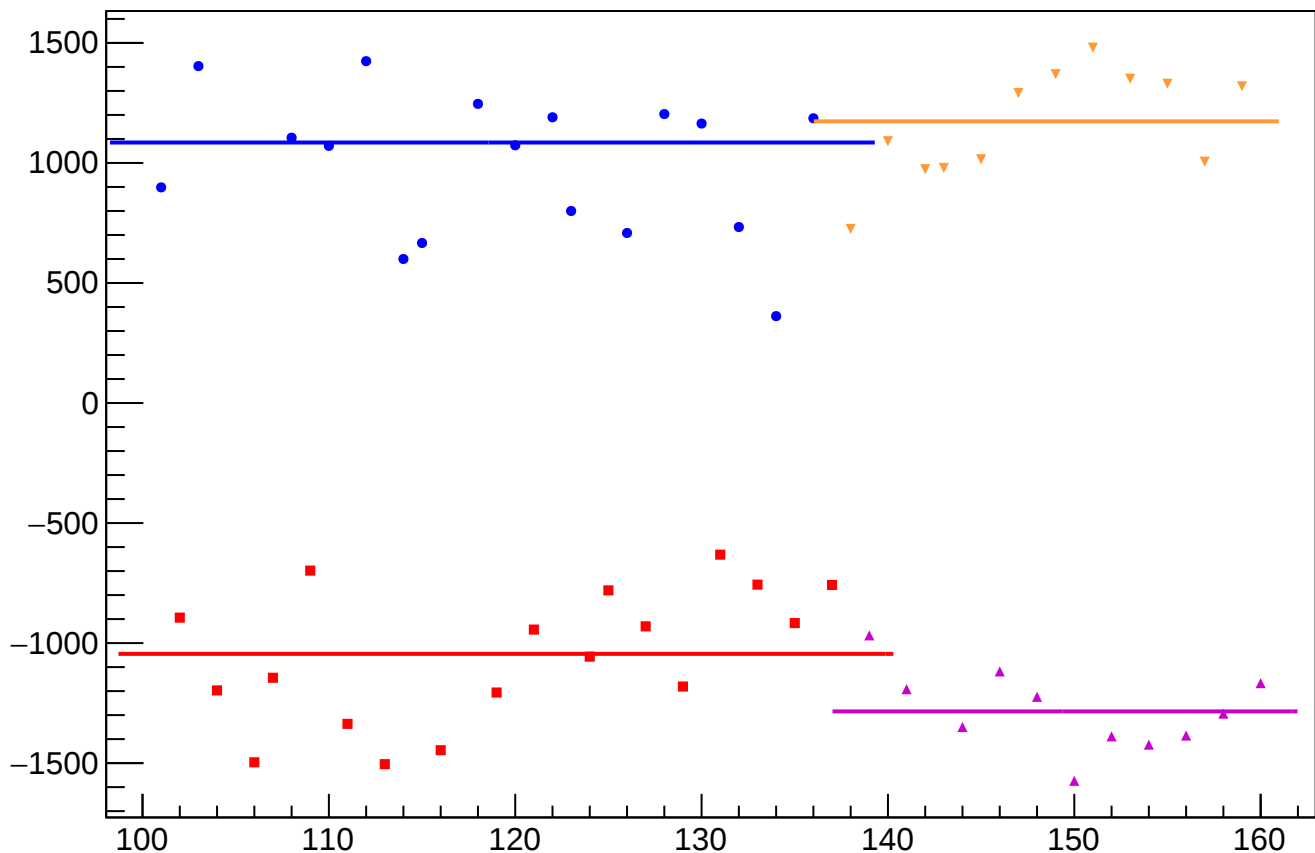
χ^2/NDF : 44999366783777016136570300173215858688.0/17

Left In: -828.047+/-0.000

χ^2/NDF : 96201297506087070099989263222619242496.0/10

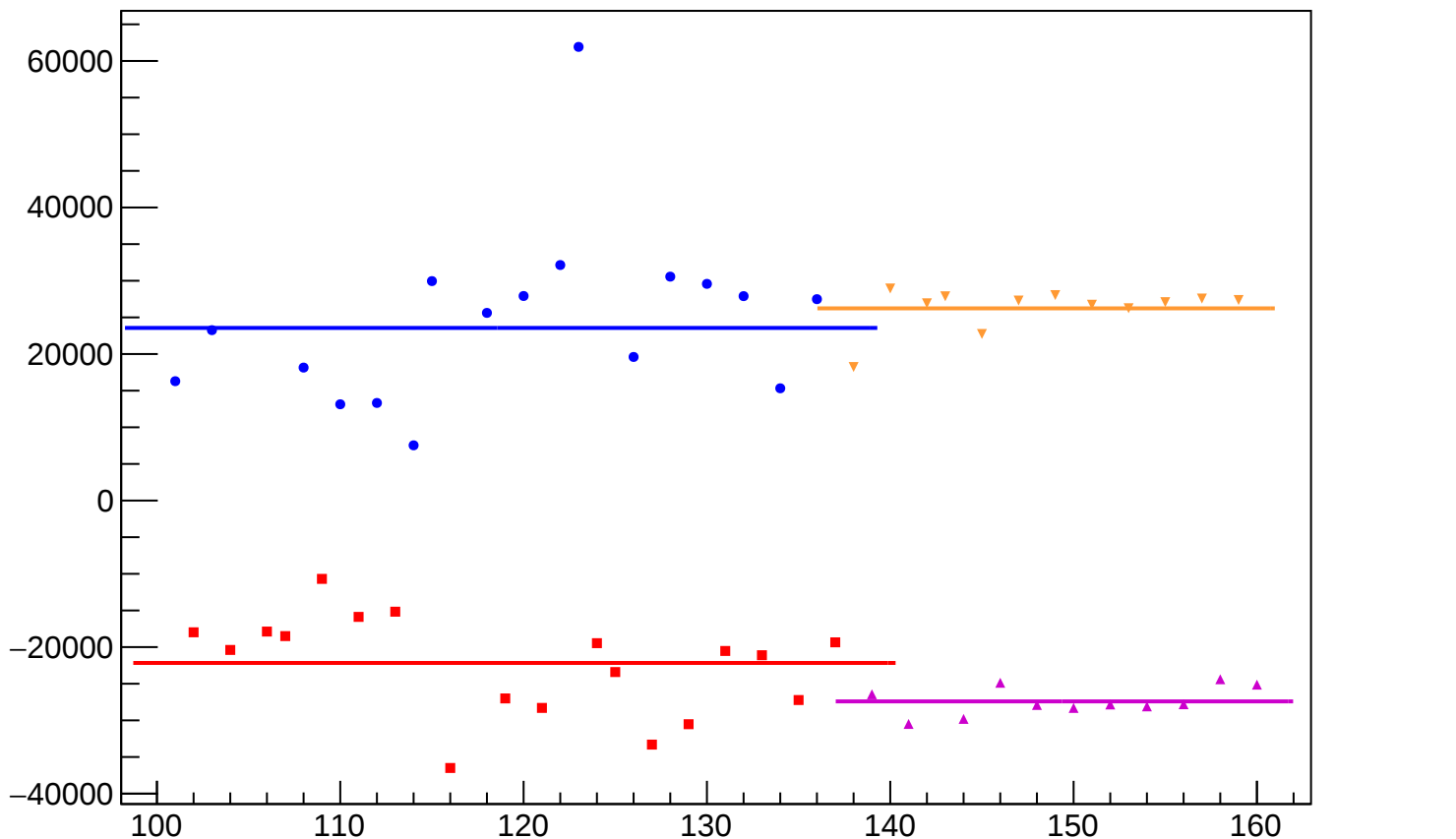
All: 19.266+/-0.000 χ^2/NDF : 2613699813863

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



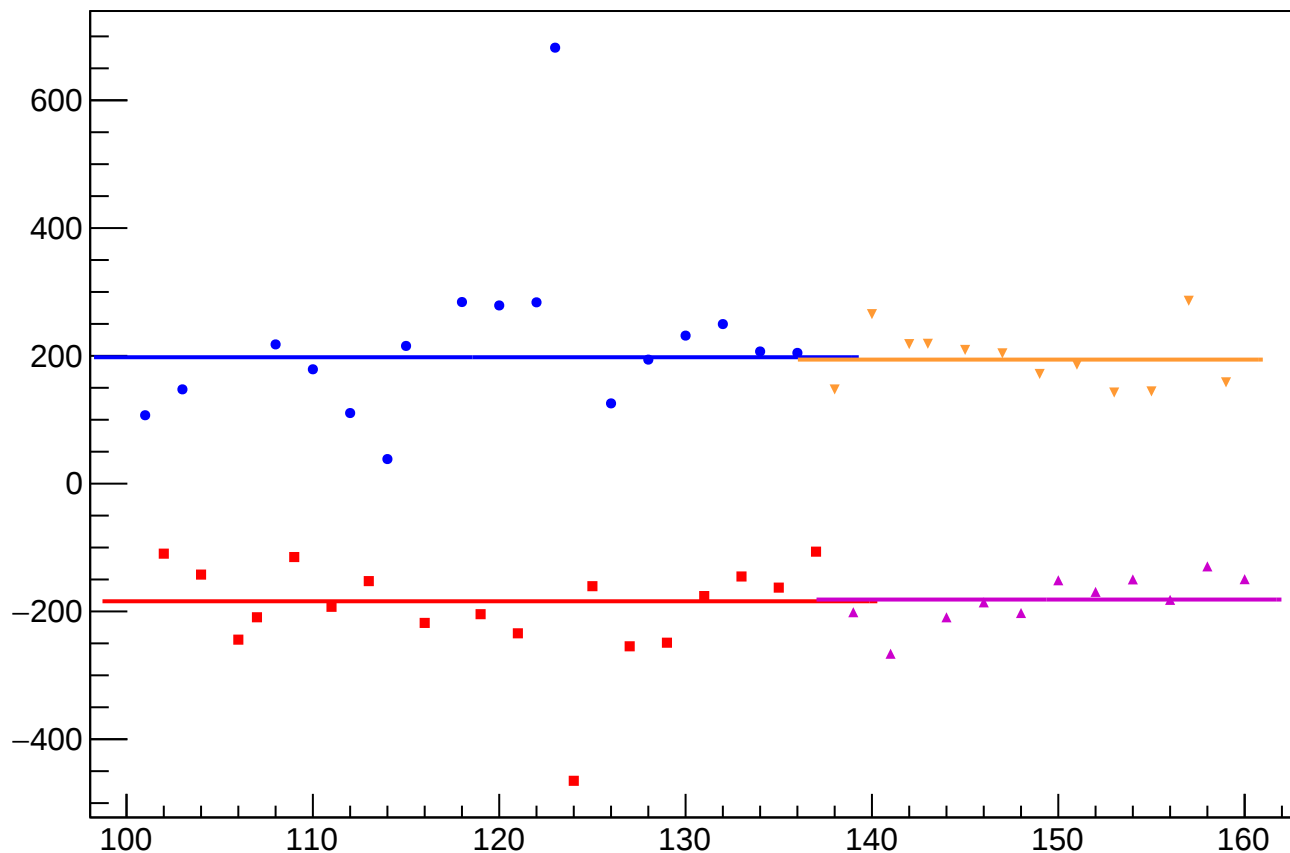
Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	In: -273.729+/-0.000	χ^2/NDF : 2303517069122456
Left In: -1284.540+/-0.000	χ^2/NDF : 24056417049221053484728394918859374592.0/10	Out: 196.705+/-0.000	χ^2/NDF : 2062457208179950
	All: -38.729+/-0.000	χ^2/NDF : 454584232037	

dit_sam5_coil4_mean vs Slug, Sign Corrected



Right In: 23563.217+/-0.000 χ^2/NDF : 35385807137271018817625418232540839280640.0/16
 Left Out: 26232.941+/-0.000 χ^2/NDF : 7436306383754098156934386282018195374080.0/11
 Right Out: -22162.506+/-0.000 χ^2/NDF : 30926817479017578857864317291139006726144.0/17
 Left In: -27409.308+/-0.000 χ^2/NDF : 3260068033865796960082272162296933384192.0/10
 All: -375.411+/-0.000 χ^2/NDF : 21395474548

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



Right In: 197.841 $\pm$ 0.000

χ^2/NDF : 3601849103427594359827693165900464128.0/16

Left Out: 194.146 $\pm$ 0.000

χ^2/NDF : 1879017279218446114091371157486829568.0/11

Right Out: -184.108 $\pm$ 0.000

χ^2/NDF : 2706165724913072523706132651898306560.0/17

Left In: -181.409 $\pm$ 0.000

χ^2/NDF : 1237326176797583481368716307739967488.0/10

Left: 3.922 $\pm$ 0.000 χ^2/NDF : 680547634341242532

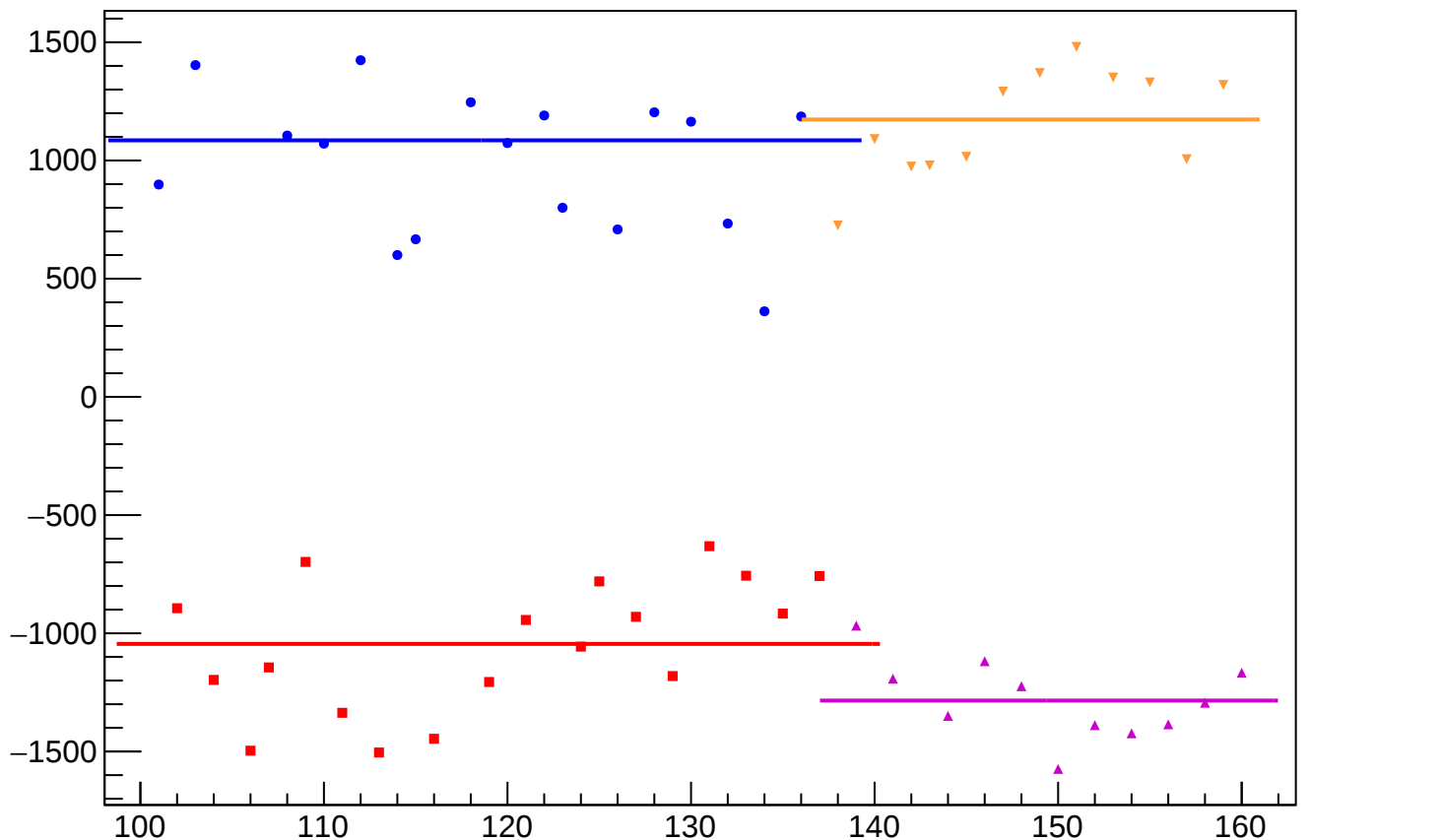
Right: 4.020 $\pm$ 0.000 χ^2/NDF : 57684682342329380

In: -19.639 $\pm$ 0.000 χ^2/NDF : 62079772857917457

Out: 27.612 $\pm$ 0.000 χ^2/NDF : 61845128959738000

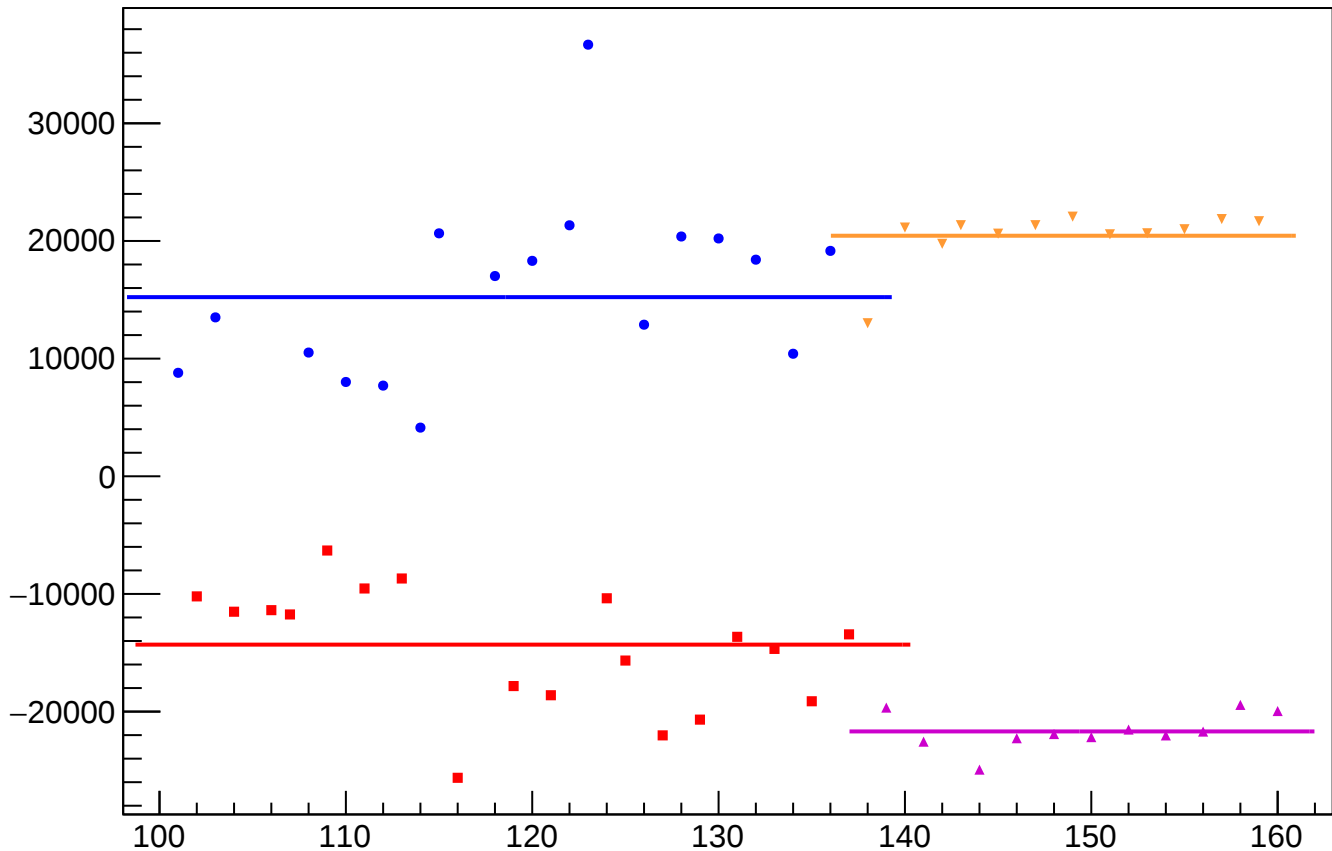
All: 3.965 $\pm$ 0.000 χ^2/NDF : 12573945346954

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



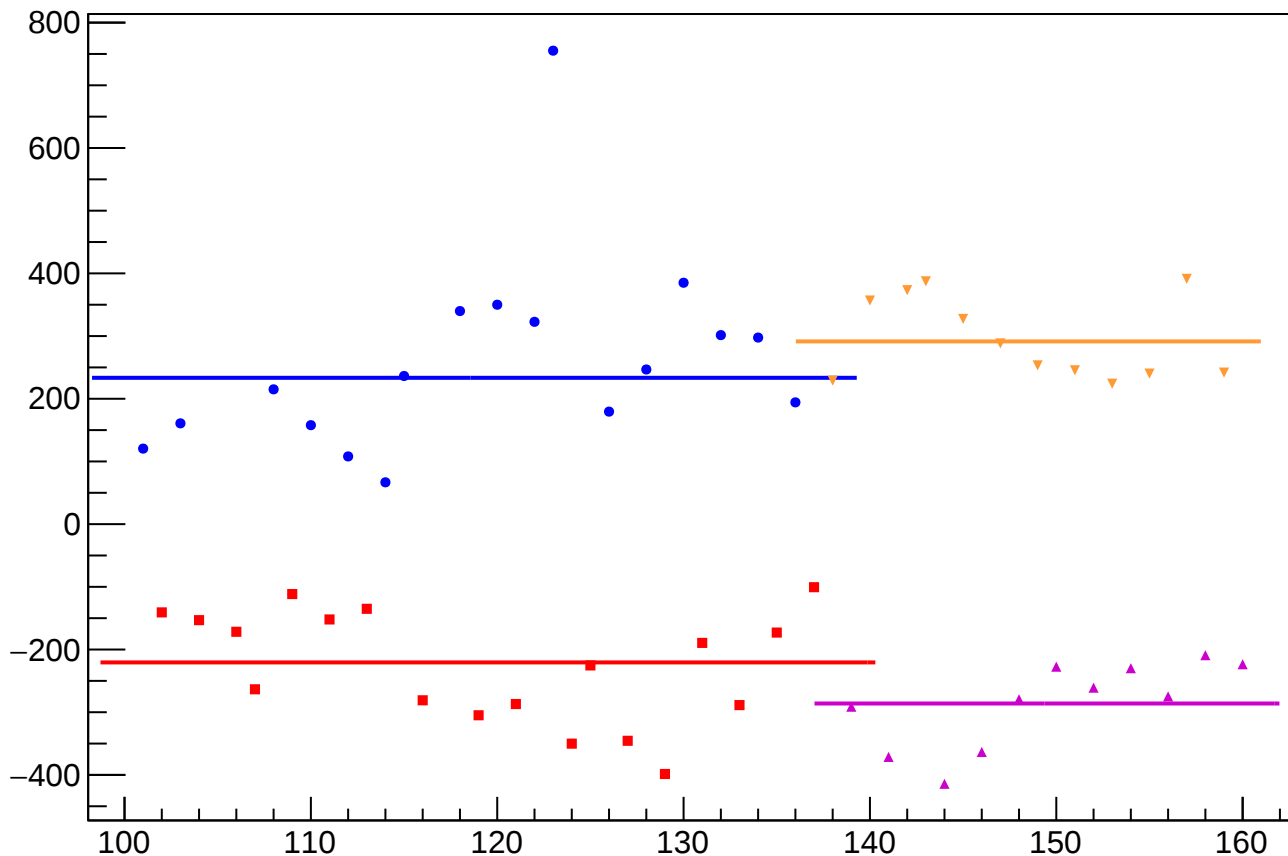
Right In: 1085.186 $\pm$ 0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287 $\pm$ 0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852 $\pm$ 0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540 $\pm$ 0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729 $\pm$ 0.000 χ^2/NDF : 454584232037

dit_sam6_coil4_mean vs Slug, Sign Corrected



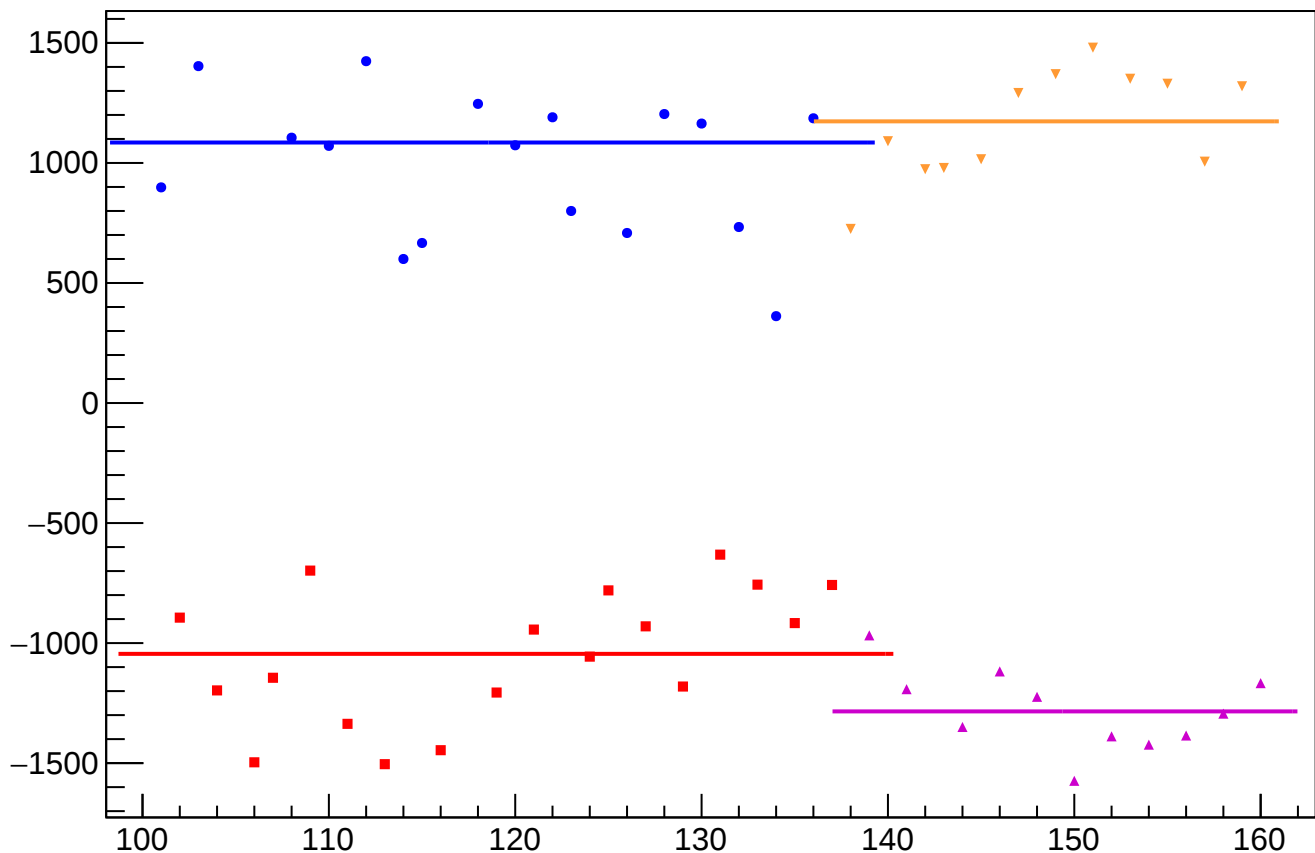
Right In: 15226.152+/-0.000 χ^2/NDF : 19033981883616318675707973818231845552128.0/16
 Left Out: 20444.904+/-0.000 χ^2/NDF : 5015541788113107499549833018825777348608.0/11
 Right Out: -14308.618+/-0.000 χ^2/NDF : 17986620092143727991108175714996656799744.0/17
 Left In: -21685.940+/-0.000 χ^2/NDF : 2061414370106068569162415723838611390464.0/10
 All: -403.653+/-0.000 χ^2/NDF : 11695762959

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



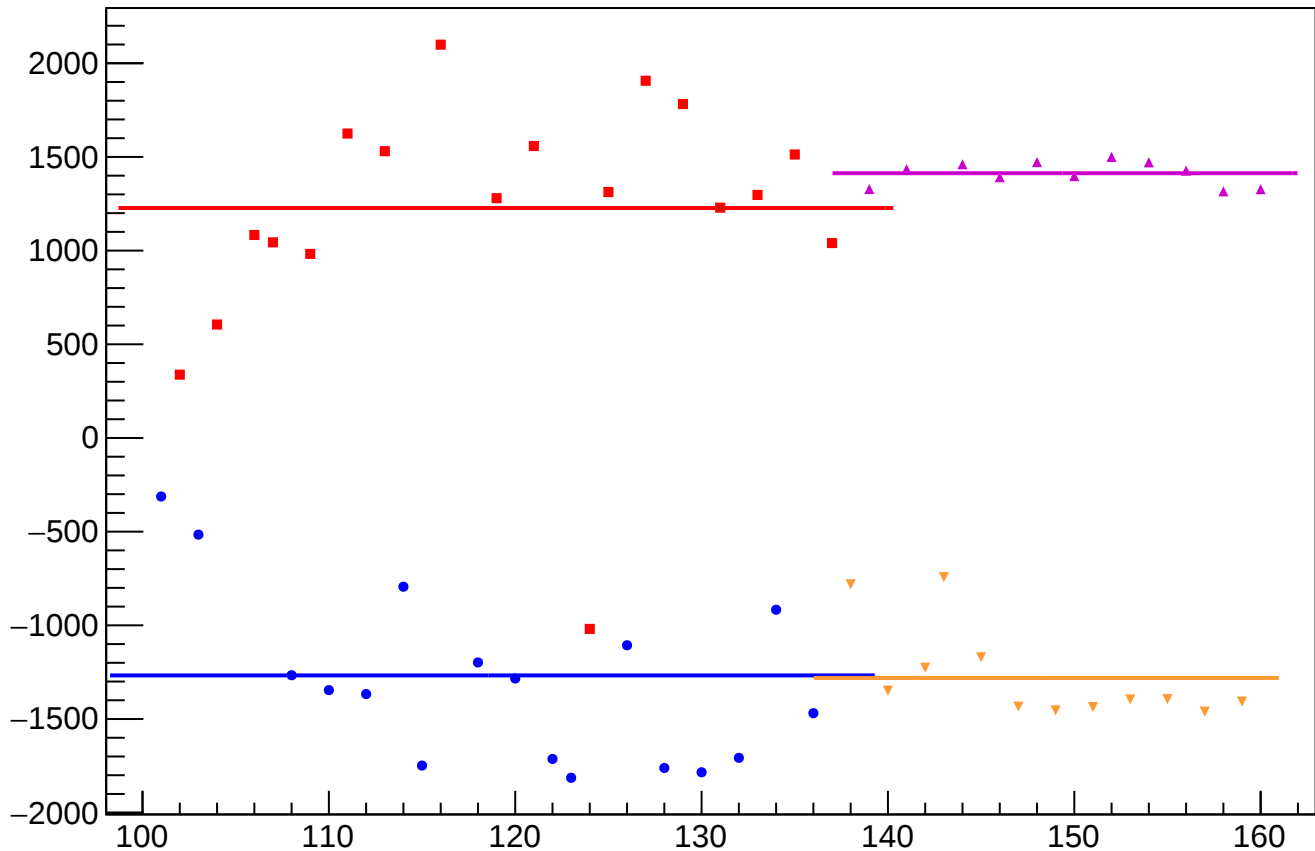
Right In: 233.427 $\pm$ 0.000 χ^2 /NDF: 6632421375389201944932770217893822464.0/16
 Left Out: 291.492 $\pm$ 0.000 χ^2 /NDF: 3496936665449814929425245861490720768.0/11
 Right Out: -220.559 $\pm$ 0.000 χ^2 /NDF: 5383695019108554854360648047063465984.0/17
 Left In: -286.089 $\pm$ 0.000 χ^2 /NDF: 4047639086763227768293546604548325376.0/10
 All: 0.721 $\pm$ 0.000 χ^2 /NDF: 24575467022547

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186 $\pm$ 0.000 χ^2 /NDF: 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287 $\pm$ 0.000 χ^2 /NDF: 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852 $\pm$ 0.000 χ^2 /NDF: 50845956393664427375382832394046275584.0/17
 Left In: -1284.540 $\pm$ 0.000 χ^2 /NDF: 24056417049221053484728394918859374592.0/10
 All: -38.729 $\pm$ 0.000 χ^2 /NDF: 454584232037

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1267.268+/-0.000

Left Out: -1280.919+/-0.000

Right Out: 1227.490+/-0.000

Left In: 1413.098+/-0.000

χ^2/NDF : 145198686124385842675248081831068696576.0/16

χ^2/NDF : 52350467274887830805489203247275048960.0/11

χ^2/NDF : 214319050187910672698323609340044378112.0/17

χ^2/NDF : 3510654626311902880652773562800668672.0/10

Left: 83.640+/-0.000 χ^2/NDF : 33974772018165182

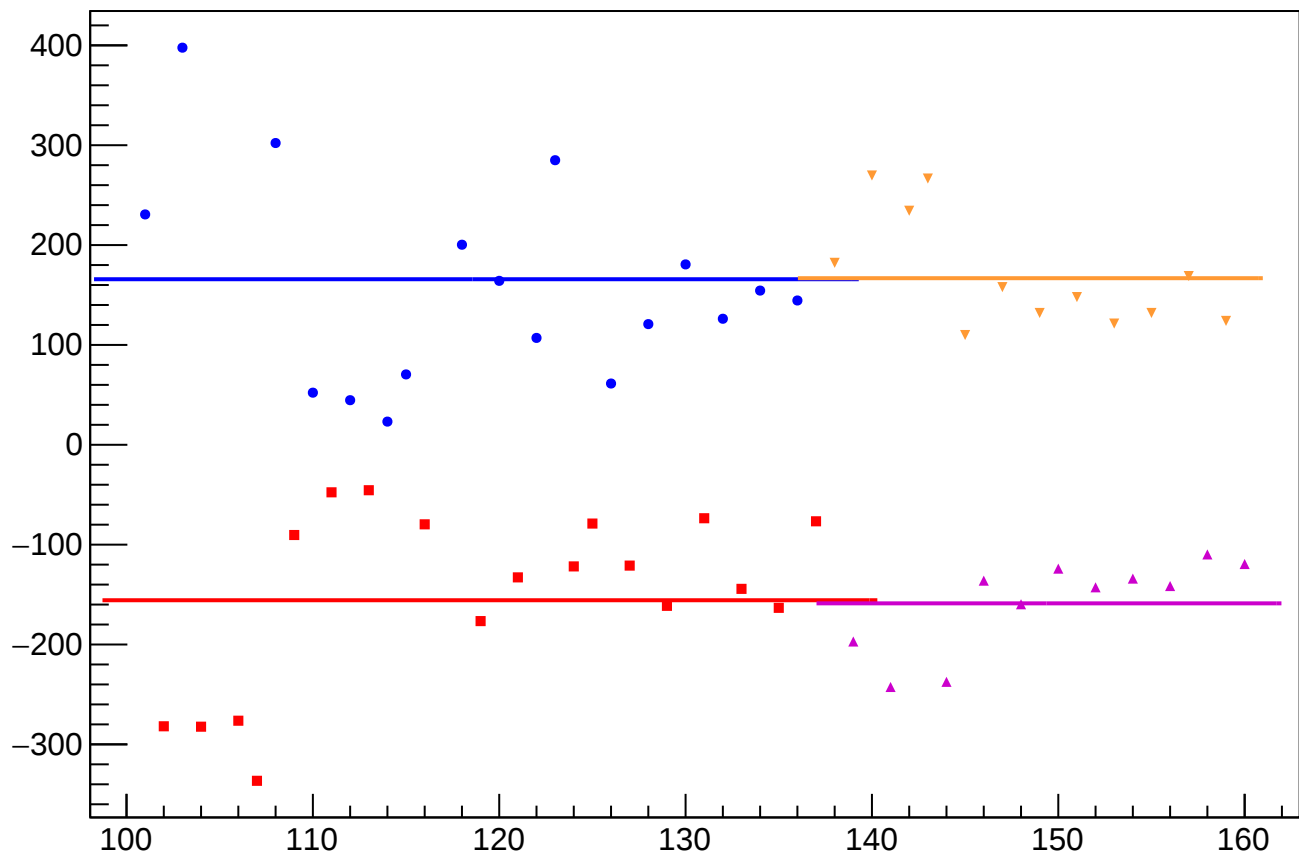
Right: -1.298+/-0.000 χ^2/NDF : 2551370593421750

In: 269.783+/-0.000 χ^2/NDF : 30078924023770430

Out: -176.539+/-0.000 χ^2/NDF : 278481258910852

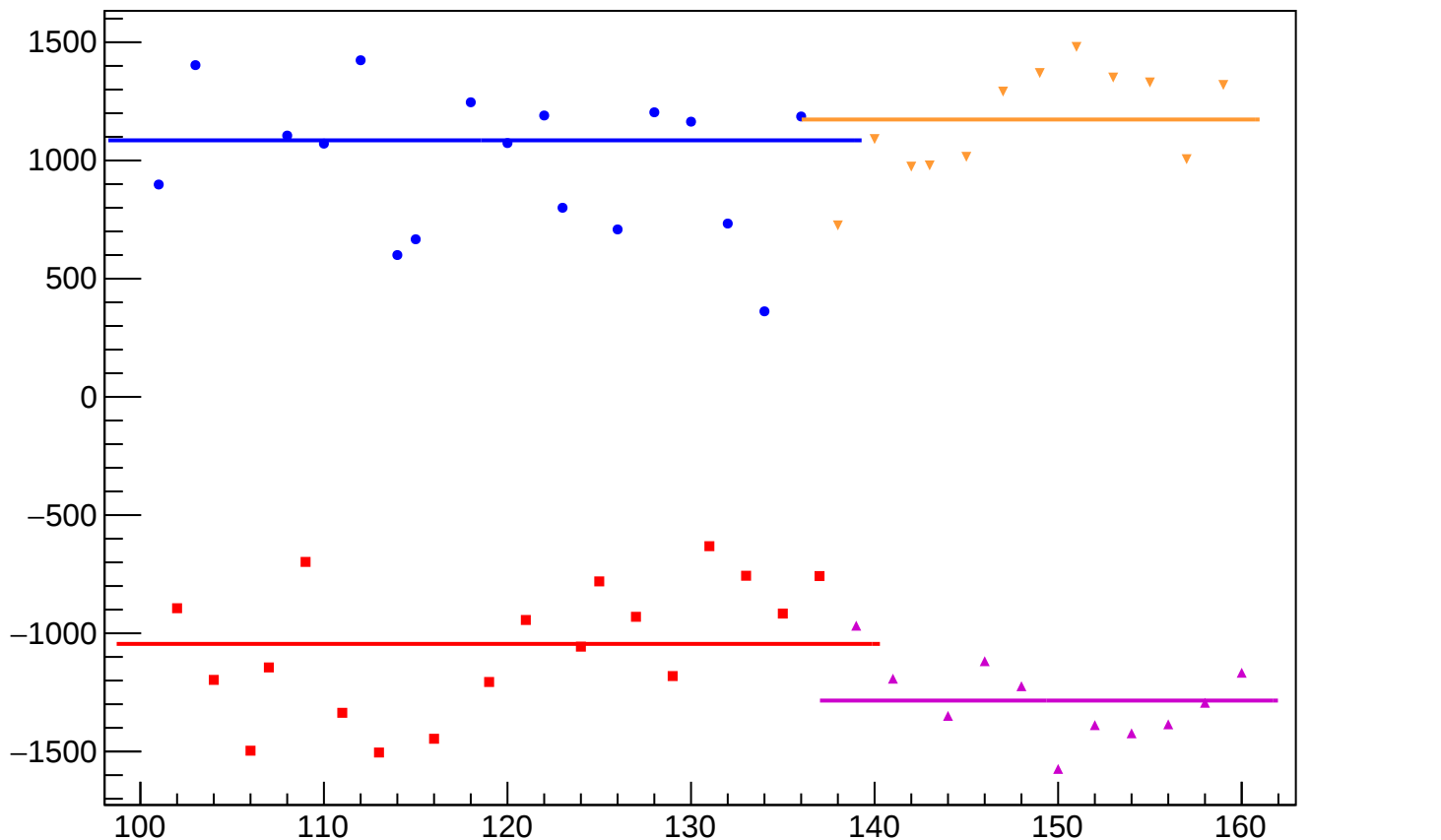
All: 46.827+/-0.000 χ^2/NDF : 5954607405275

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



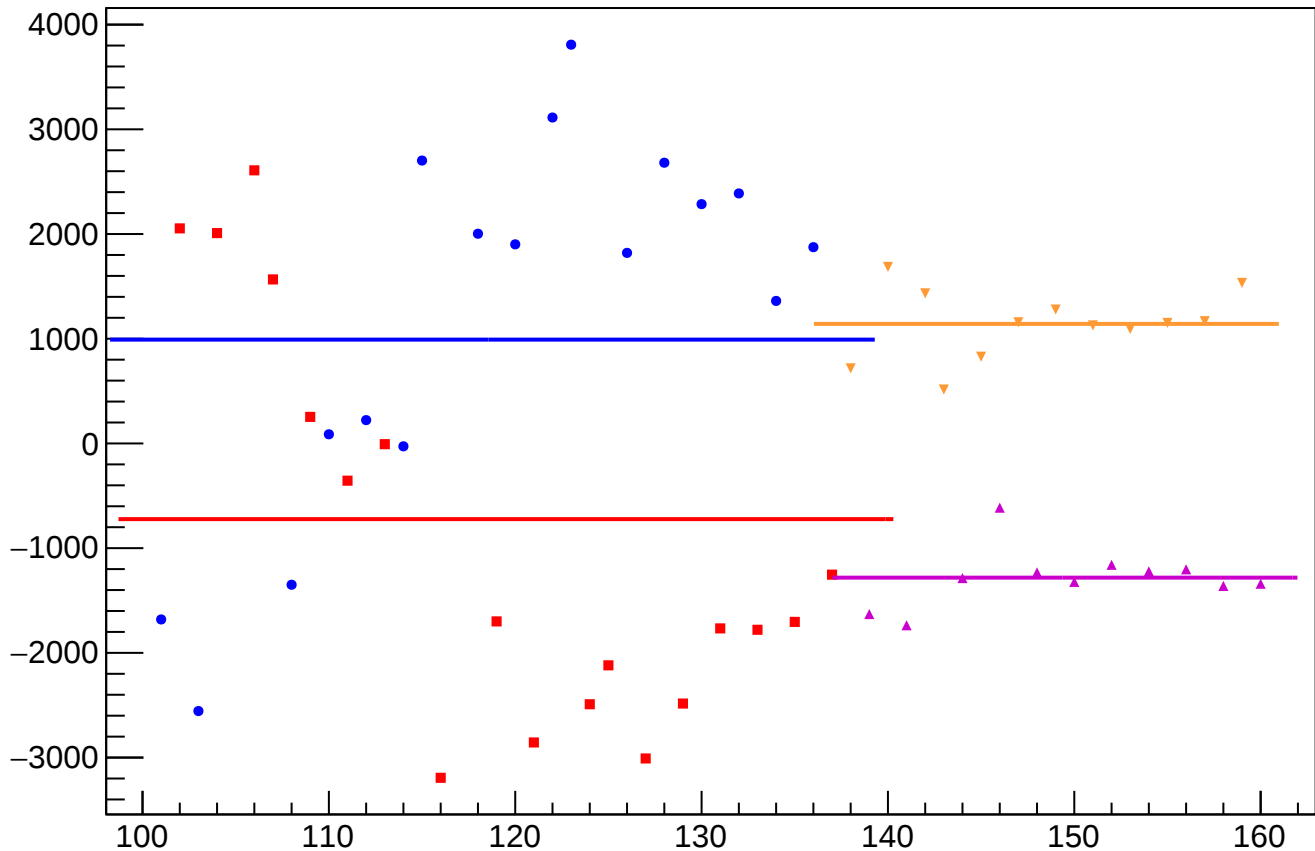
Right In: 165.791 $\pm$ 0.000 χ^2 /NDF: 6599926309722586861325010177468923904.0/16
 Left Out: 166.830 $\pm$ 0.000 χ^2 /NDF: 2570249887219169860921416363043454976.0/11
 Right Out: -155.674 $\pm$ 0.000 χ^2 /NDF: 5506170000172026486696305926028132352.0/17
 Left In: -158.786 $\pm$ 0.000 χ^2 /NDF: 1841518274242064728634139939665084416.0/10
 All: 2.231 $\pm$ 0.000 χ^2 /NDF: 10172834754963

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 991.656 +/- 0.000

χ^2/NDF : 2196543485135713219136059560633443549184.0/16

Left Out: 1141.755 +/- 0.000

χ^2/NDF : 90353942436830856594949216052979957760.0/11

Right Out: -722.834 +/- 0.000

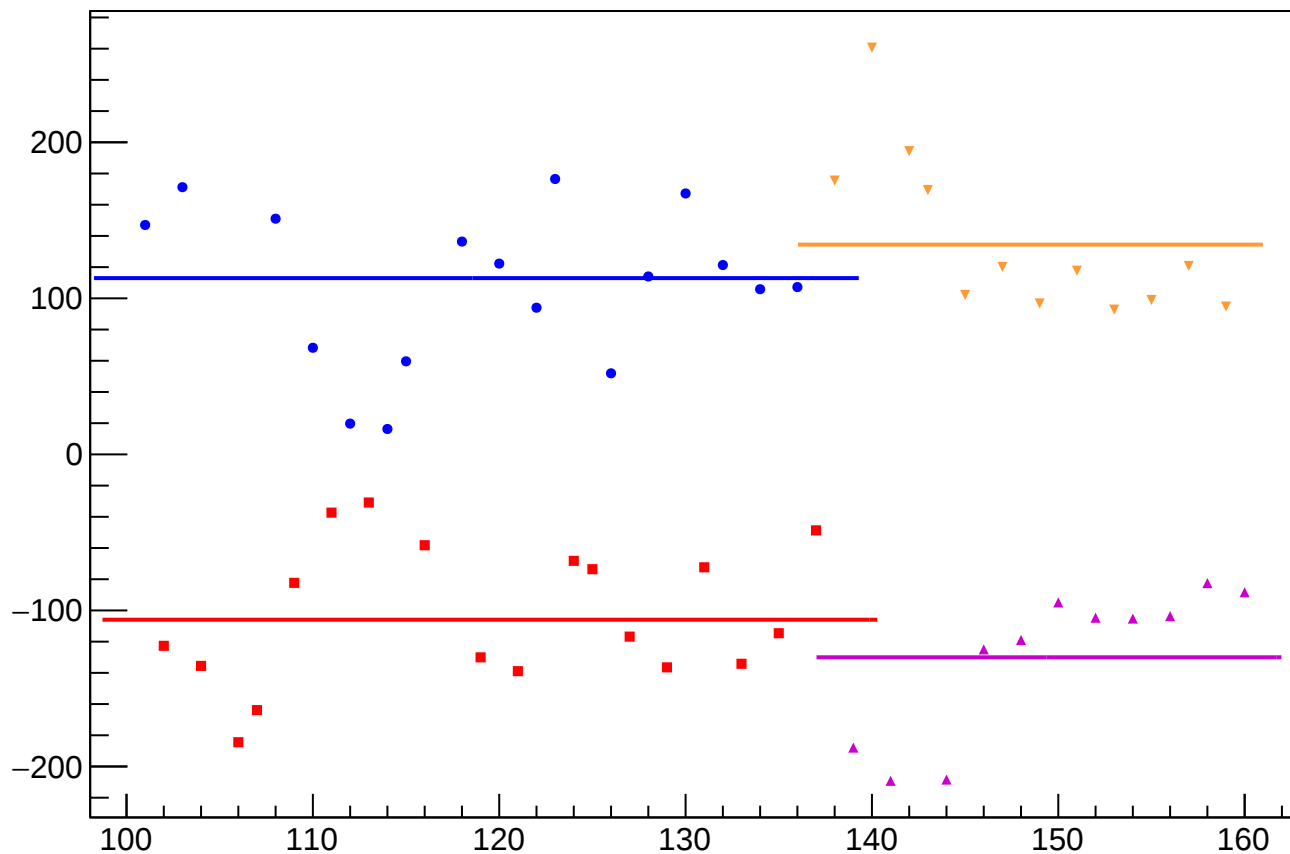
χ^2/NDF : 2430230107927732709008698791969328988160.0/17

Left In: -1281.659 +/- 0.000

χ^2/NDF : 67729567822989794442627212039346454528.0/10

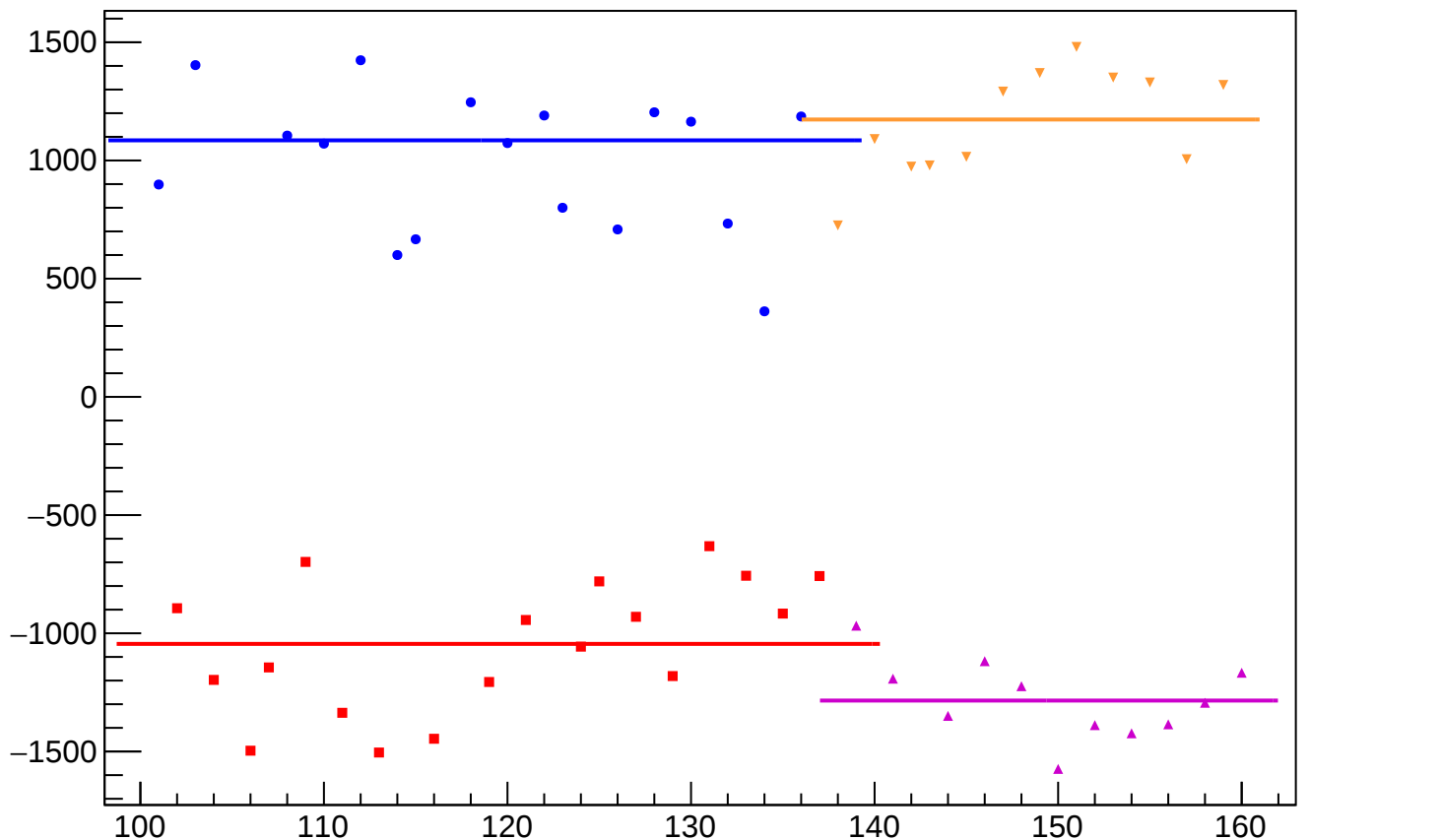
All: 4.137 +/- 0.000 χ^2/NDF : 85584155447109

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



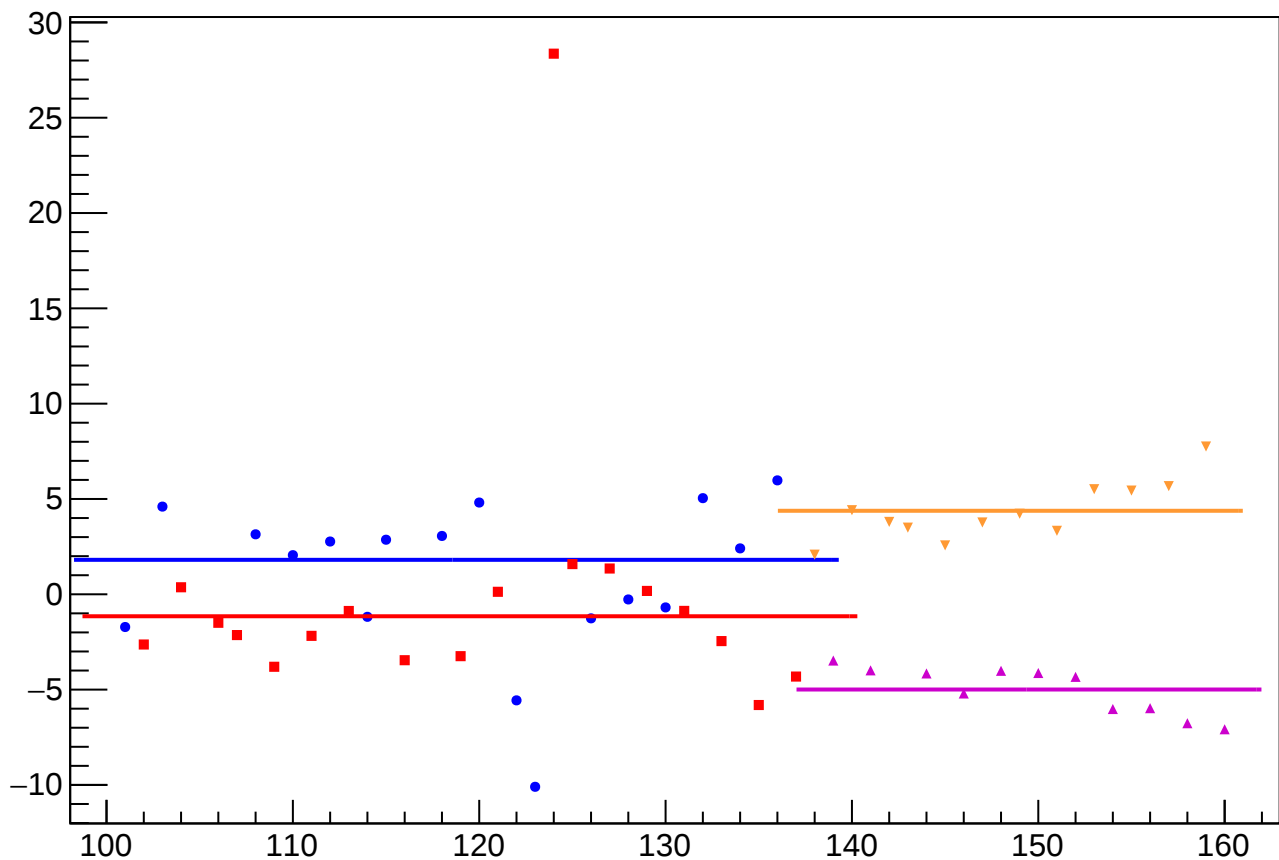
Right In: 112.967 $\pm$ 0.000 χ^2 /NDF: 1352482381635393188272506664826961920.0/16
 Left Out: 134.431 $\pm$ 0.000 χ^2 /NDF: 2310662516274369890170239716283121664.0/11
 Right Out: -105.949 $\pm$ 0.000 χ^2 /NDF: 1242528444706792757388488213889286144.0/17
 Left In: -130.030 $\pm$ 0.000 χ^2 /NDF: 1968681434700847172167982931920289792.0/10
 All: 1.084 $\pm$ 0.000 χ^2 /NDF: 55955139764216

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



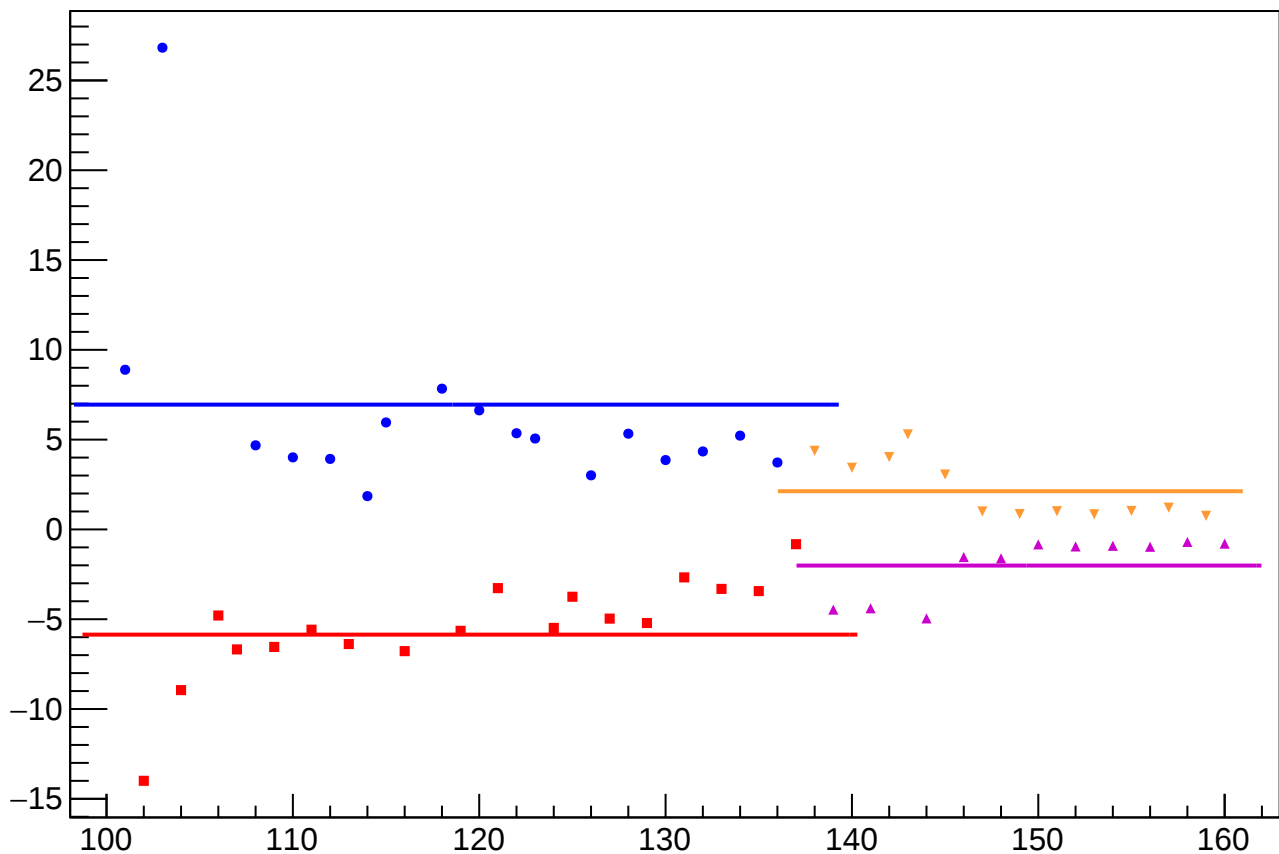
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_4aX_coil6_mean vs Slug, Sign Corrected



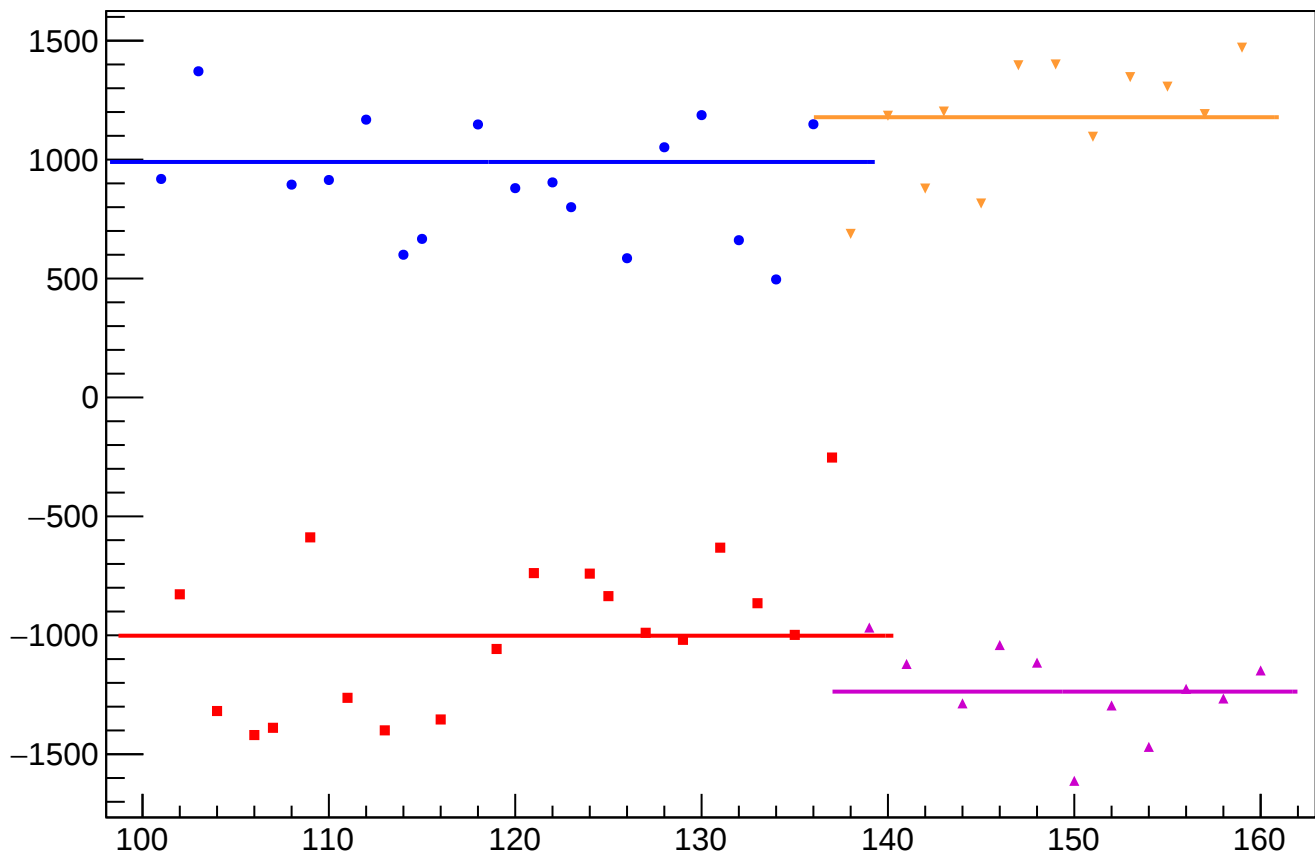
Left: -0.368 ± 0.000 $\chi^2/NDF: 43873074025791905$
 Right In: 1.808 ± 0.000 $\chi^2/NDF: 7527409924358699638476786257362944.0/16$
 Right: 0.306 ± 0.000 $\chi^2/NDF: 25834219652786474$
 Left Out: 4.381 ± 0.000 $\chi^2/NDF: 2086443671311525325222433361920.0/11$
 In: -2.093 ± 0.000 $\chi^2/NDF: 272572376308625862$
 Right Out: -1.152 ± 0.000 $\chi^2/NDF: 15220659080427743810069153064157184.0/17$
 Out: 1.945 ± 0.000 $\chi^2/NDF: 295602269055552019$
 Left In: -4.995 ± 0.000 $\chi^2/NDF: 1311384685098121552827321556140032.0/10$
 All: -0.076 ± 0.000 $\chi^2/NDF: 7006983030788$

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



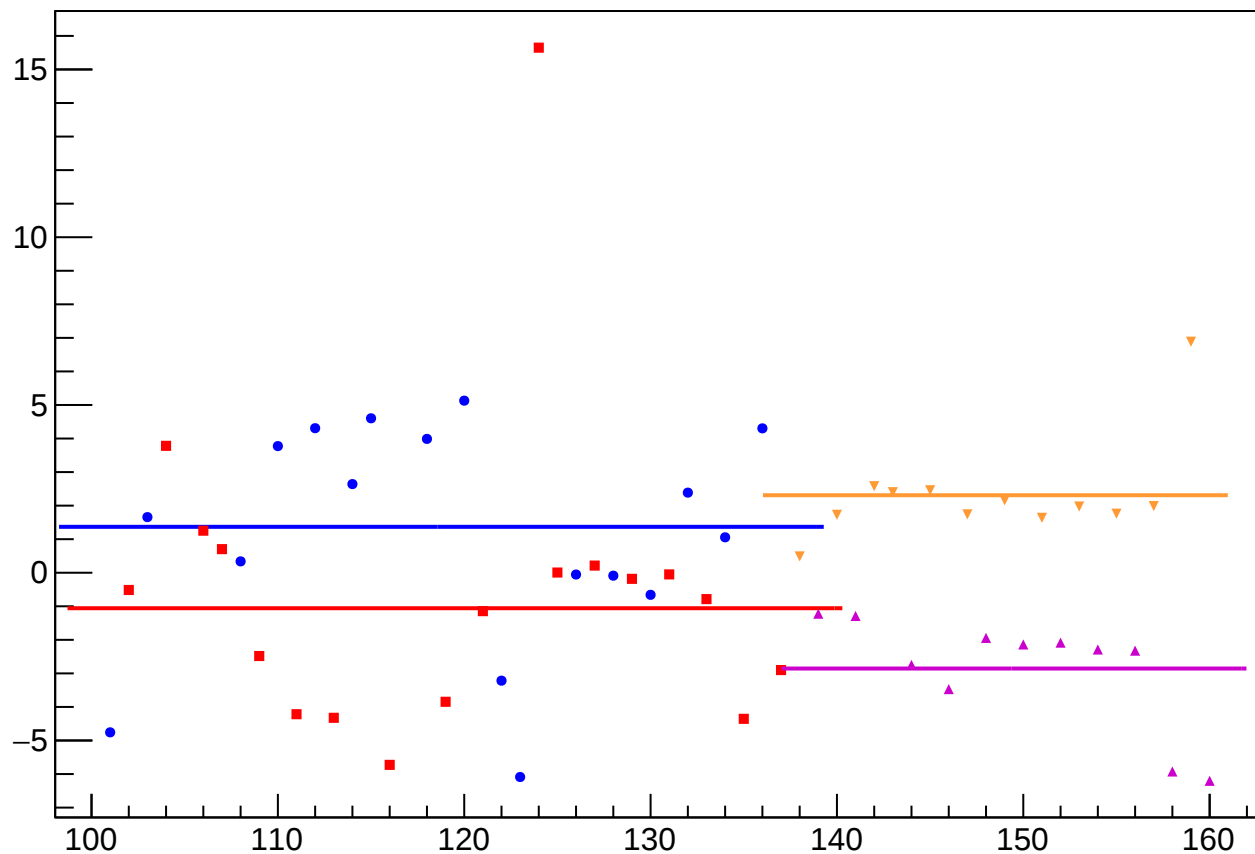
Right In: 6.948 ± 0.000 χ^2/NDF : 27500472377838631302114625925939200.0/16
 Left Out: 2.128 ± 0.000 χ^2/NDF : 2219193645273984606349154335064064.0/11
 Right Out: -5.858 ± 0.000 χ^2/NDF : 6347530911749266996807271930920960.0/17
 Left In: -2.012 ± 0.000 χ^2/NDF : 2455587486650389464574895818014720.0/10
 All: 0.212 ± 0.000 χ^2/NDF : 10431206184614

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



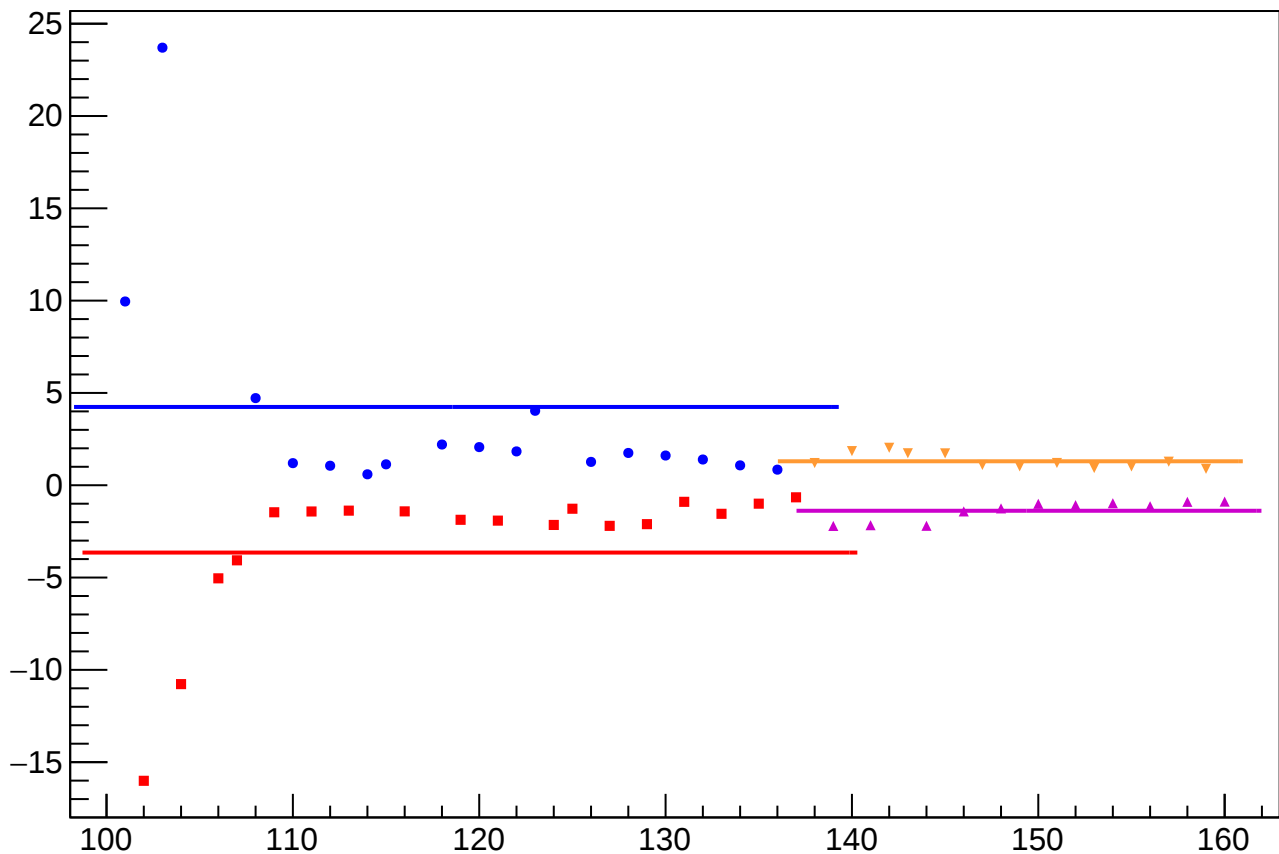
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_4eX_coil6_mean vs Slug, Sign Corrected



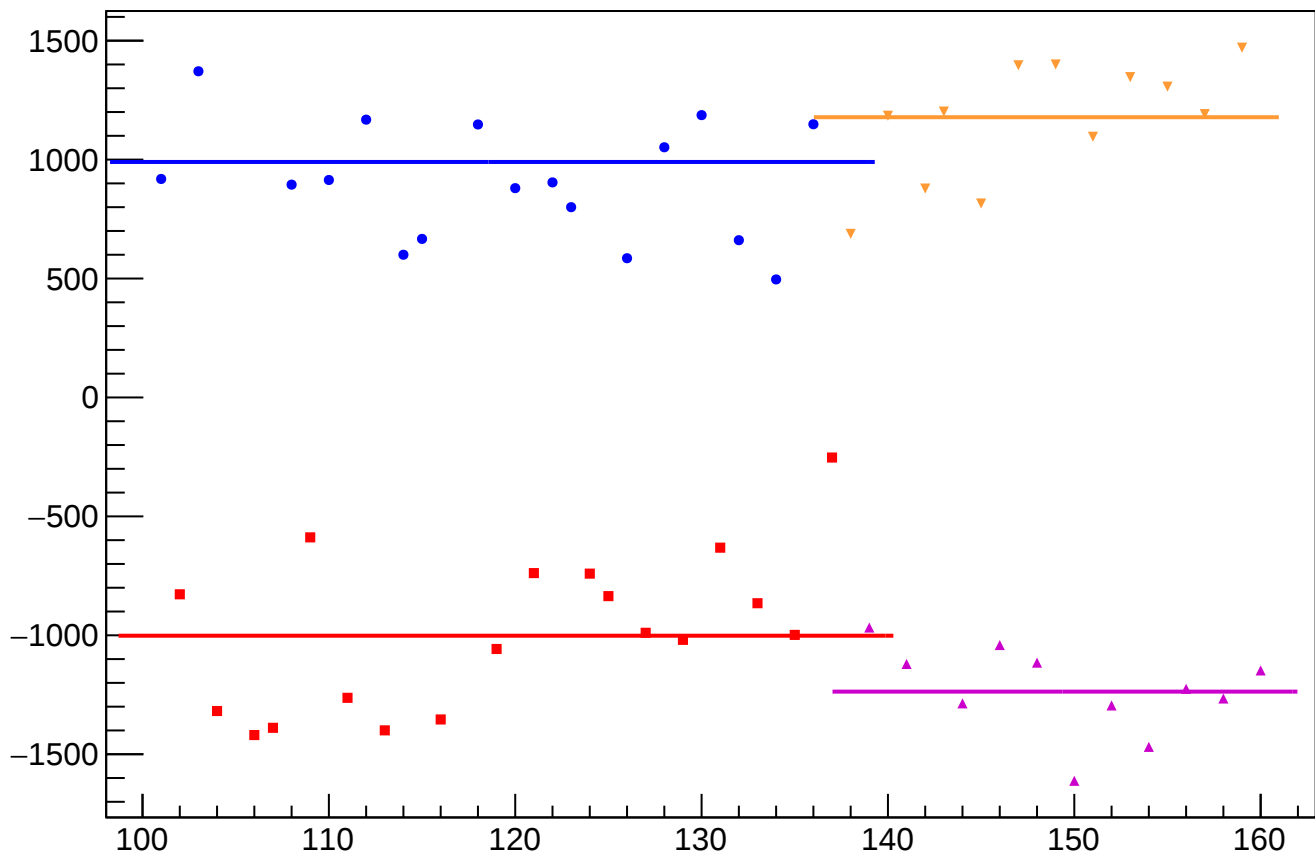
Left: -0.306 ± 0.000 χ^2/NDF : 16725822551046735
 Right In: 1.369 ± 0.000 χ^2/NDF : 6191636339009546001582067680280576.0/16
 Right: 0.137 ± 0.000 χ^2/NDF : 16434126943440004
 Left Out: 2.311 ± 0.000 χ^2/NDF : 2071801880392961895564472831967232.0/11
 In: -1.053 ± 0.000 χ^2/NDF : 156593787937301094
 Right Out: -1.058 ± 0.000 χ^2/NDF : 8169457084716591134016374239657984.0/17
 Out: 0.828 ± 0.000 χ^2/NDF : 147817012086563648
 Left In: -2.855 ± 0.000 χ^2/NDF : 2369235409930855719380632706482176.0/10
 All: -0.114 ± 0.000 χ^2/NDF : 3331669789306

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



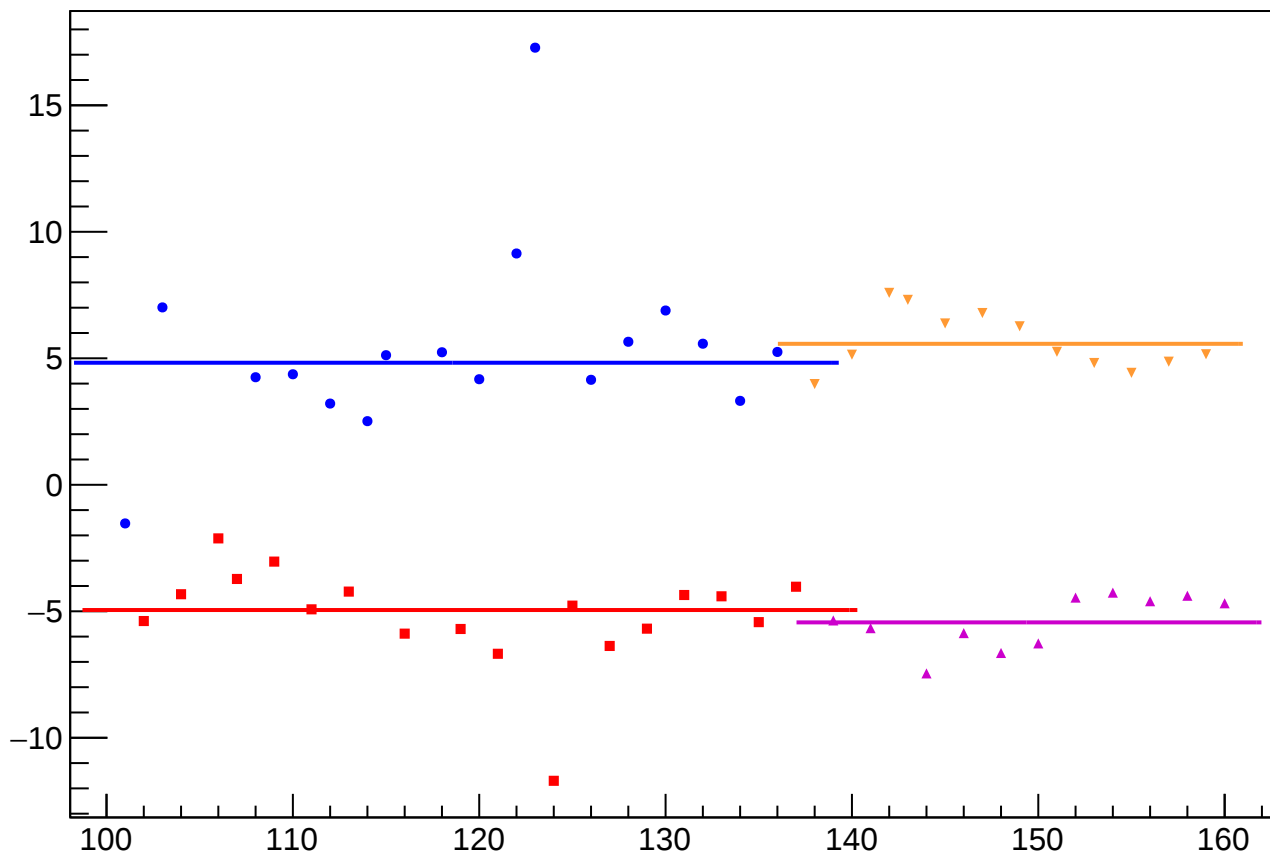
Right In: 4.241 ± 0.000 χ^2/NDF : 28619887598660619239245868781535232.0/16
 Left Out: 1.298 ± 0.000 χ^2/NDF : 118446025514580512304684144263168.0/11
 Right Out: -3.647 ± 0.000 χ^2/NDF : 14024721044013316870032890924105728.0/17
 Left In: -1.383 ± 0.000 χ^2/NDF : 247273414234626472508051064619008.0/10
 All: 0.069 ± 0.000 χ^2/NDF : 68299772952141

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_11X12X_coil6_mean vs Slug, Sign Corrected



Left: -0.005 +/- 0.000 χ^2/NDF : 57809229757761740

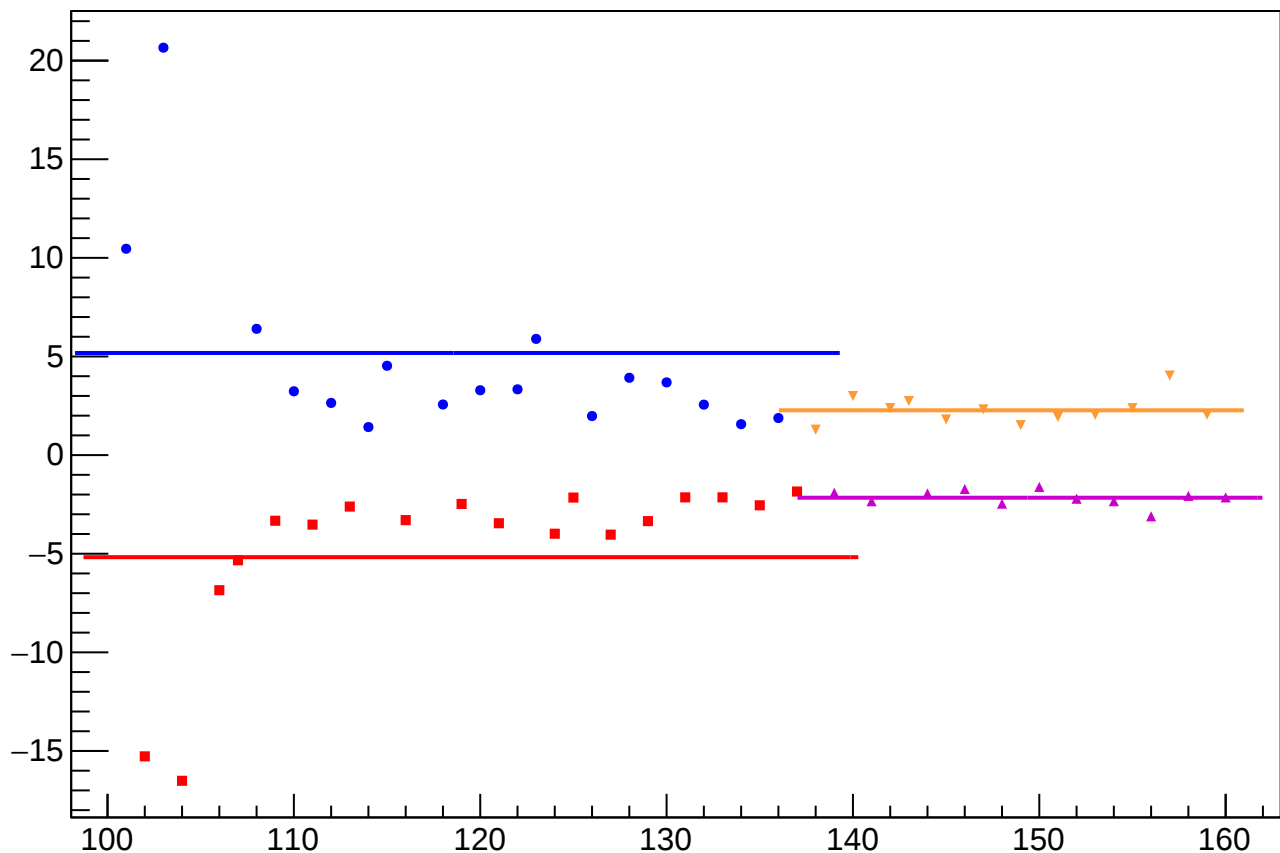
Right: -0.136 +/- 0.000 χ^2/NDF : 3981401538460137

In: -1.061 +/- 0.000 χ^2/NDF : 475387196018274355

Out: 0.940 +/- 0.000 χ^2/NDF : 468450835425449454

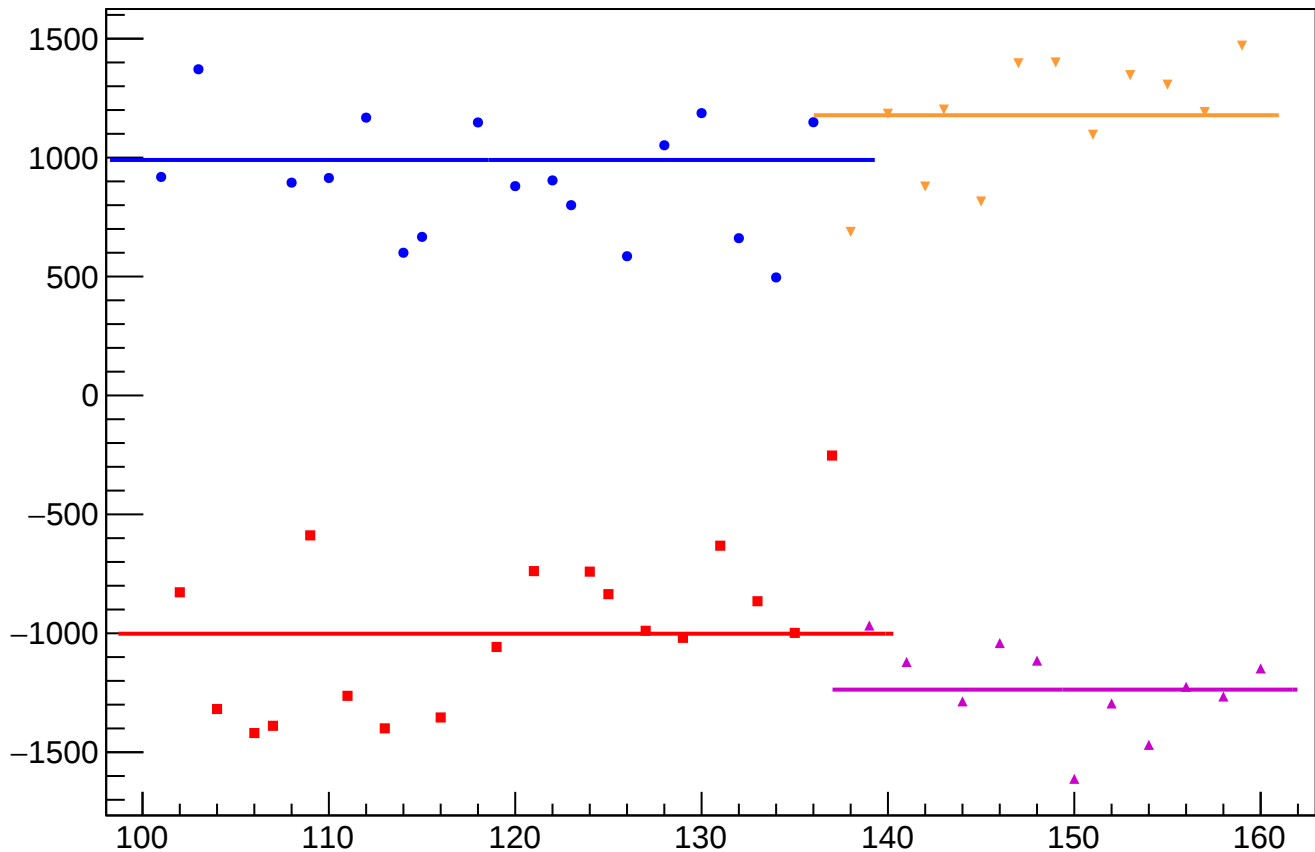
All: -0.061 +/- 0.000 χ^2/NDF : 9763689586043

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



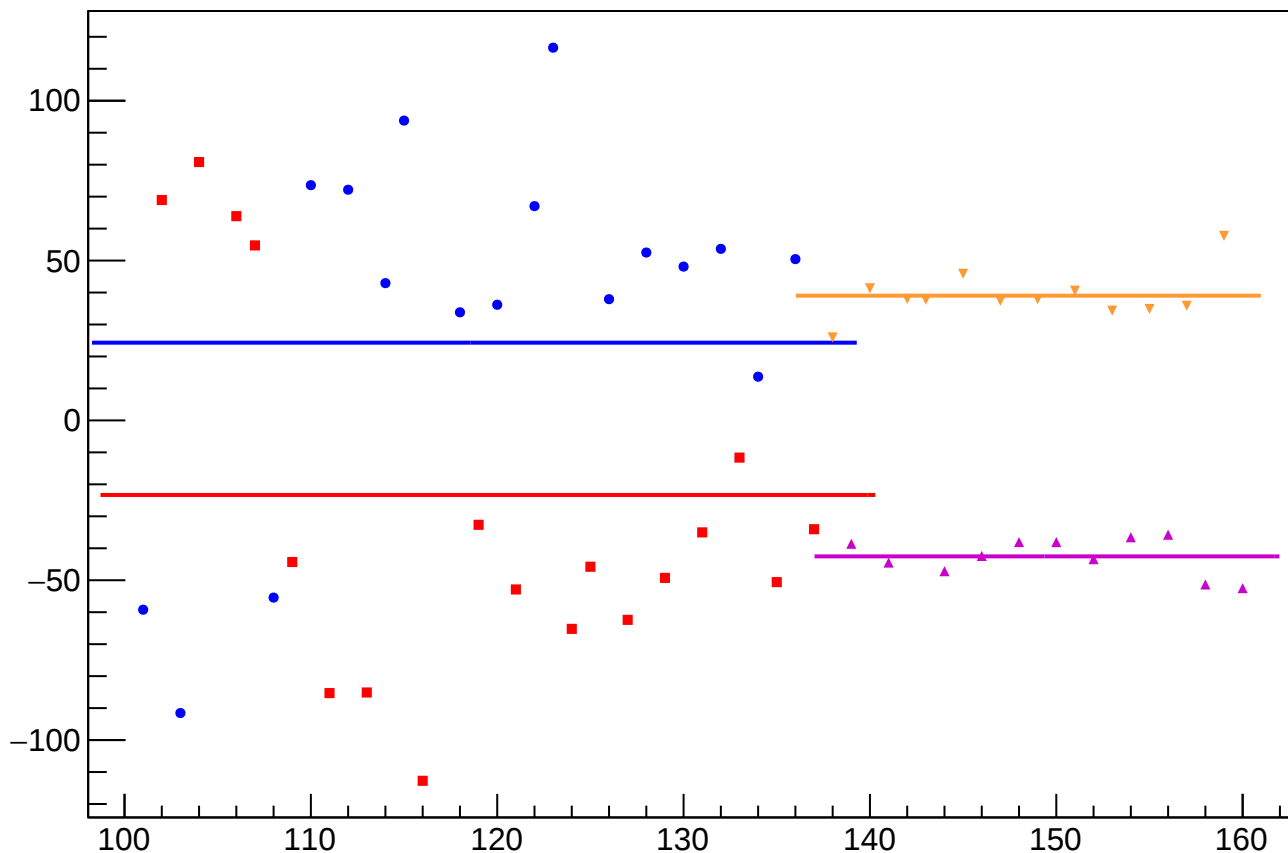
Right In: 5.179 ± 0.000 χ^2/NDF : 19215970923479019199836696755568640.0/16
 Left Out: 2.271 ± 0.000 χ^2/NDF : 445973362143922999565724801826816.0/11
 Right Out: -5.175 ± 0.000 χ^2/NDF : 15553868406688086696237036103270400.0/17
 Left In: -2.161 ± 0.000 χ^2/NDF : 138371088754302765080927377817600.0/10
 All: -0.018 ± 0.000 χ^2/NDF : 8216013484871

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



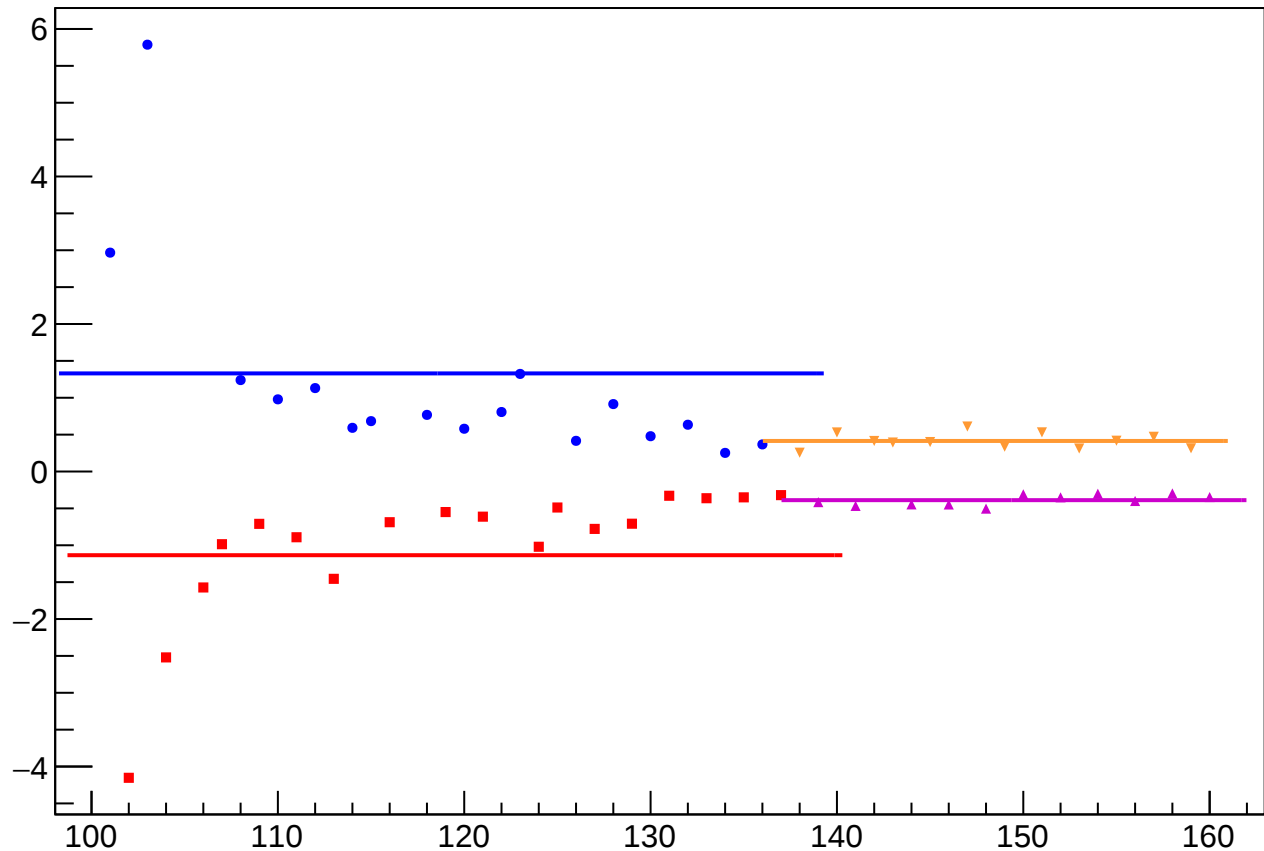
Left: -45.003 ± 0.000 $\chi^2/\text{NDF}: 2767859757374114$
 Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_4aY_coil6_mean vs Slug, Sign Corrected



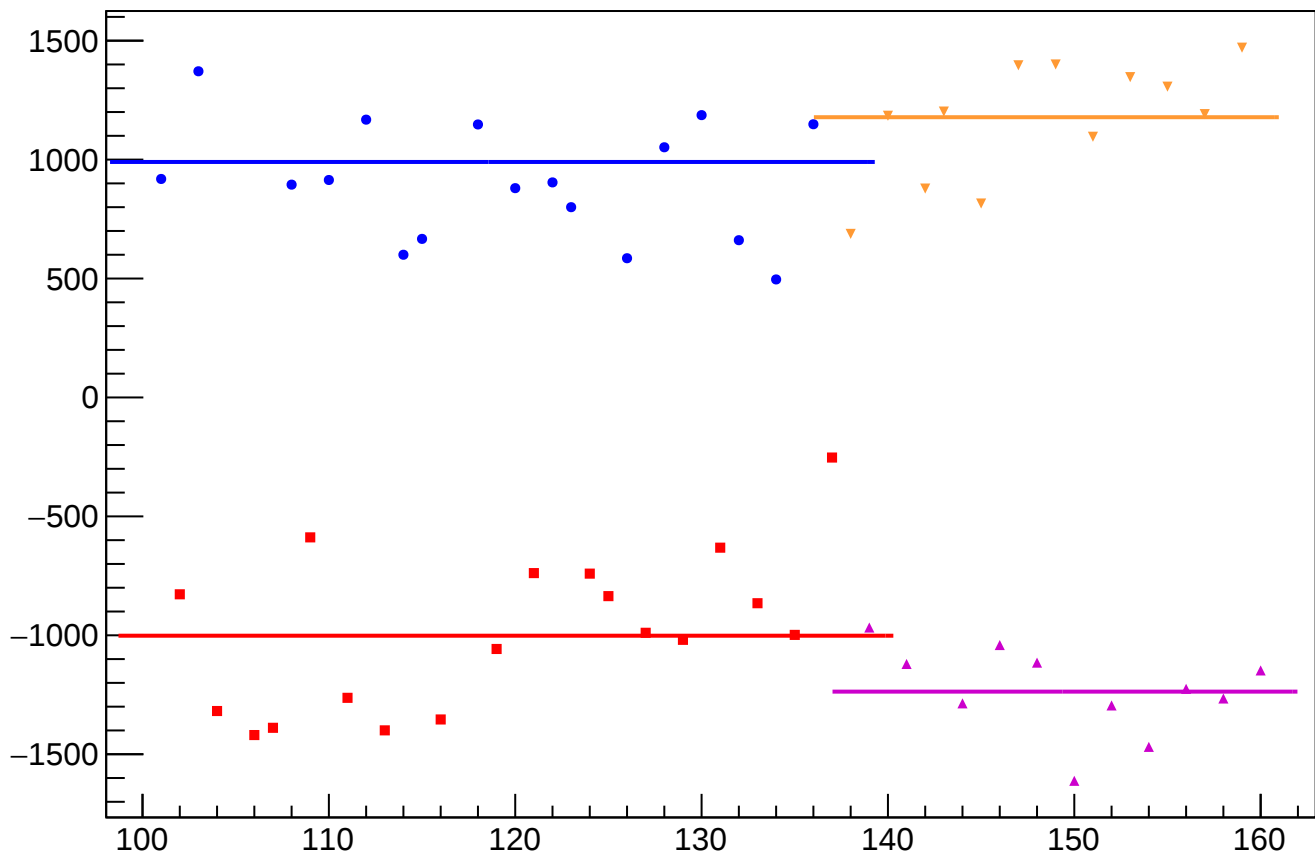
Right In: 24.318 ± 0.000 $\chi^2/\text{NDF}: 2002814634195538334157710520710332416.0/16$
 Left Out: 39.019 ± 0.000 $\chi^2/\text{NDF}: 50102899546886796047994324336508928.0/11$
 Right Out: -23.323 ± 0.000 $\chi^2/\text{NDF}: 2300287491781415748029178925971144704.0/17$
 Left In: -42.534 ± 0.000 $\chi^2/\text{NDF}: 28373028064789967113556541703192576.0/10$
 All: -1.235 ± 0.000 $\chi^2/\text{NDF}: 8247869405695$

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



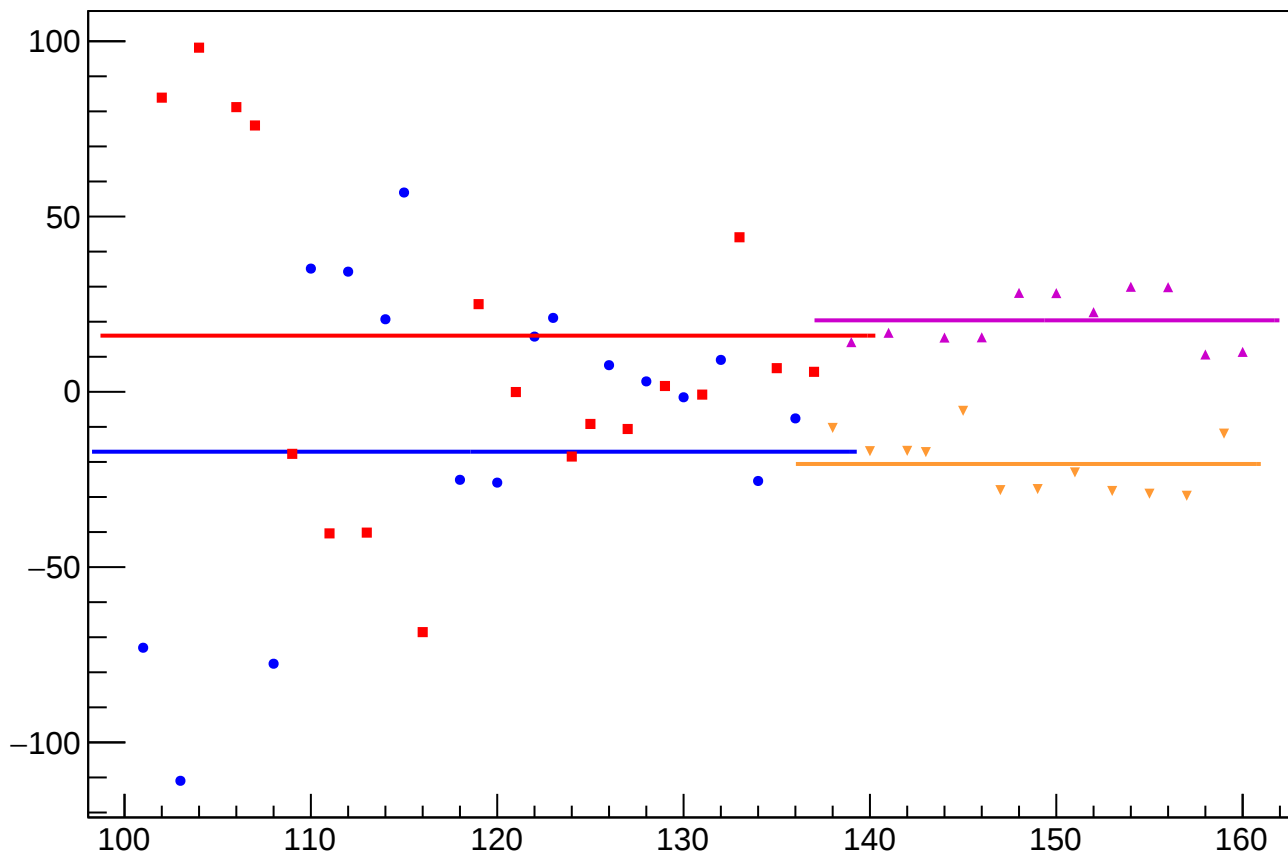
Right In: 1.330 +/- 0.000 χ^2/NDF : 1603106167275520107151234942631936.0/16
 Left Out: 0.414 +/- 0.000 χ^2/NDF : 9567880309690591091908795170816.0/11
 Right Out: -1.135 +/- 0.000 χ^2/NDF : 803137408294494563054397652205568.0/17
 Left In: -0.388 +/- 0.000 χ^2/NDF : 4478292013674144747987763462144.0/10
 All: 0.039 +/- 0.000 χ^2/NDF : 48607412454167

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -17.080 ± 0.000

Left Out: -20.578 ± 0.000

Right Out: 16.026 ± 0.000

Left In: 20.391 ± 0.000

χ^2/NDF : 1305852396524110552444351569704517632.0/16

χ^2/NDF : 60639888412264927004894637808680960.0/11

χ^2/NDF : 1544075638091019901834252047429402624.0/17

χ^2/NDF : 49123532237880600080923761508876288.0/10

Left: 0.173 ± 0.000 χ^2/NDF : 882578196183851559

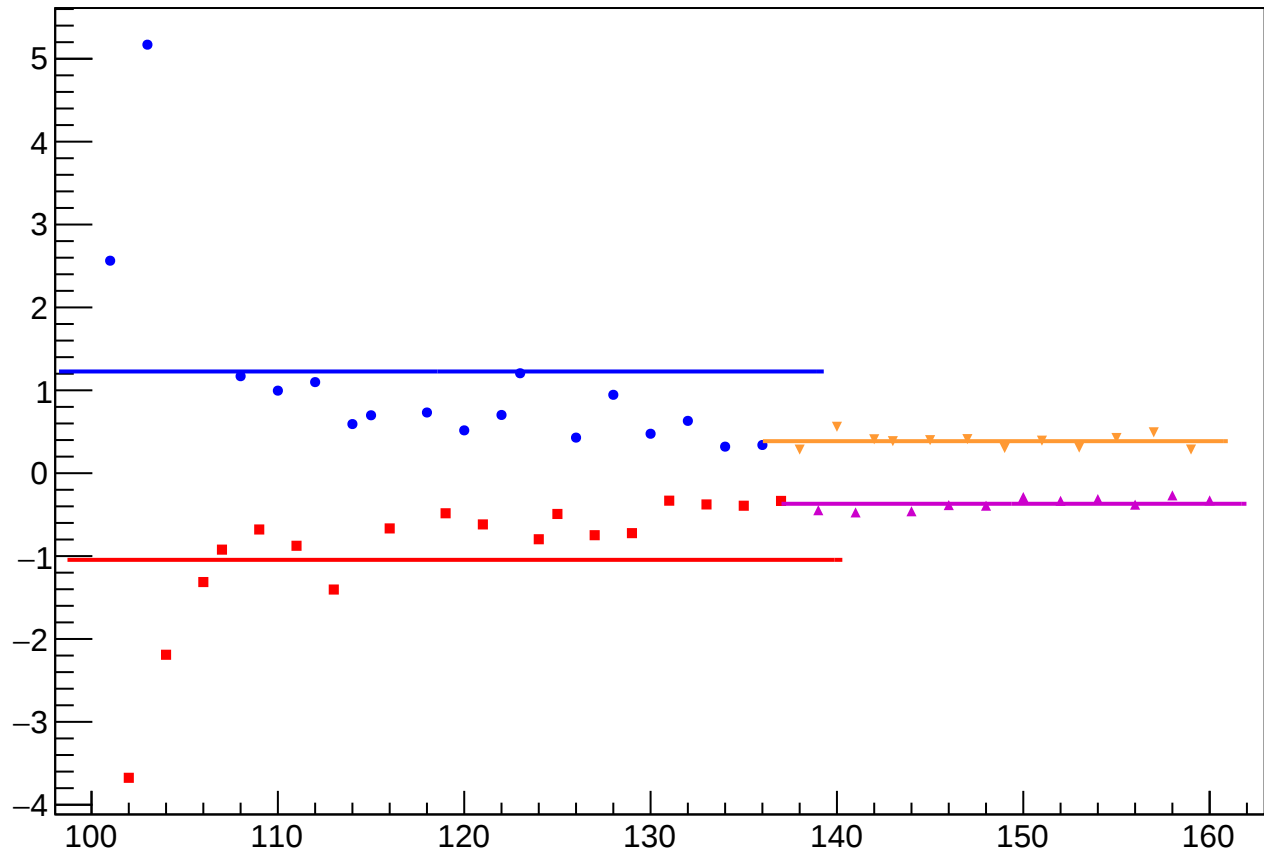
Right: -0.280 ± 0.000 χ^2/NDF : 3235905793745171

In: 4.408 ± 0.000 χ^2/NDF : 1913755264371690539

Out: -4.462 ± 0.000 χ^2/NDF : 21409436551720281

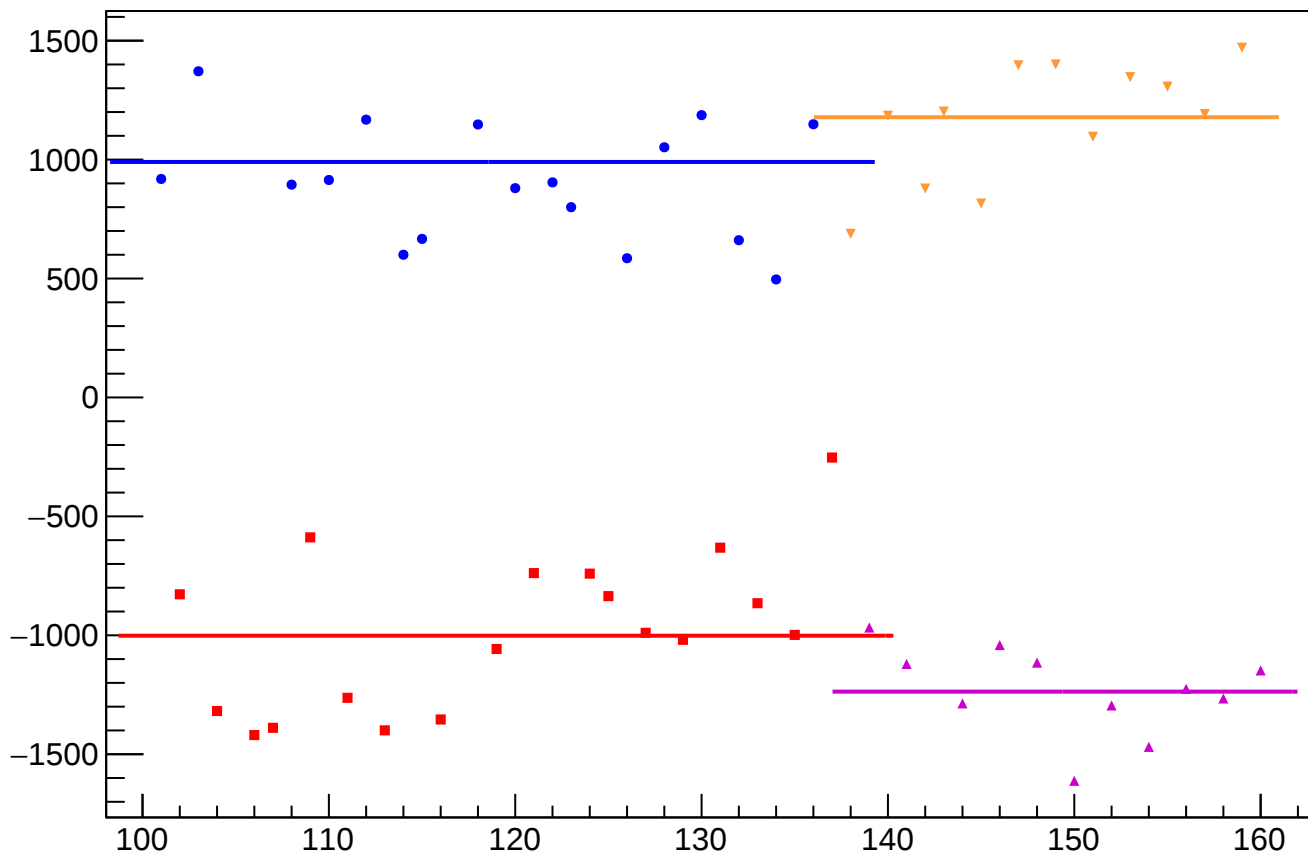
All: -0.023 ± 0.000 χ^2/NDF : 4118648127034

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



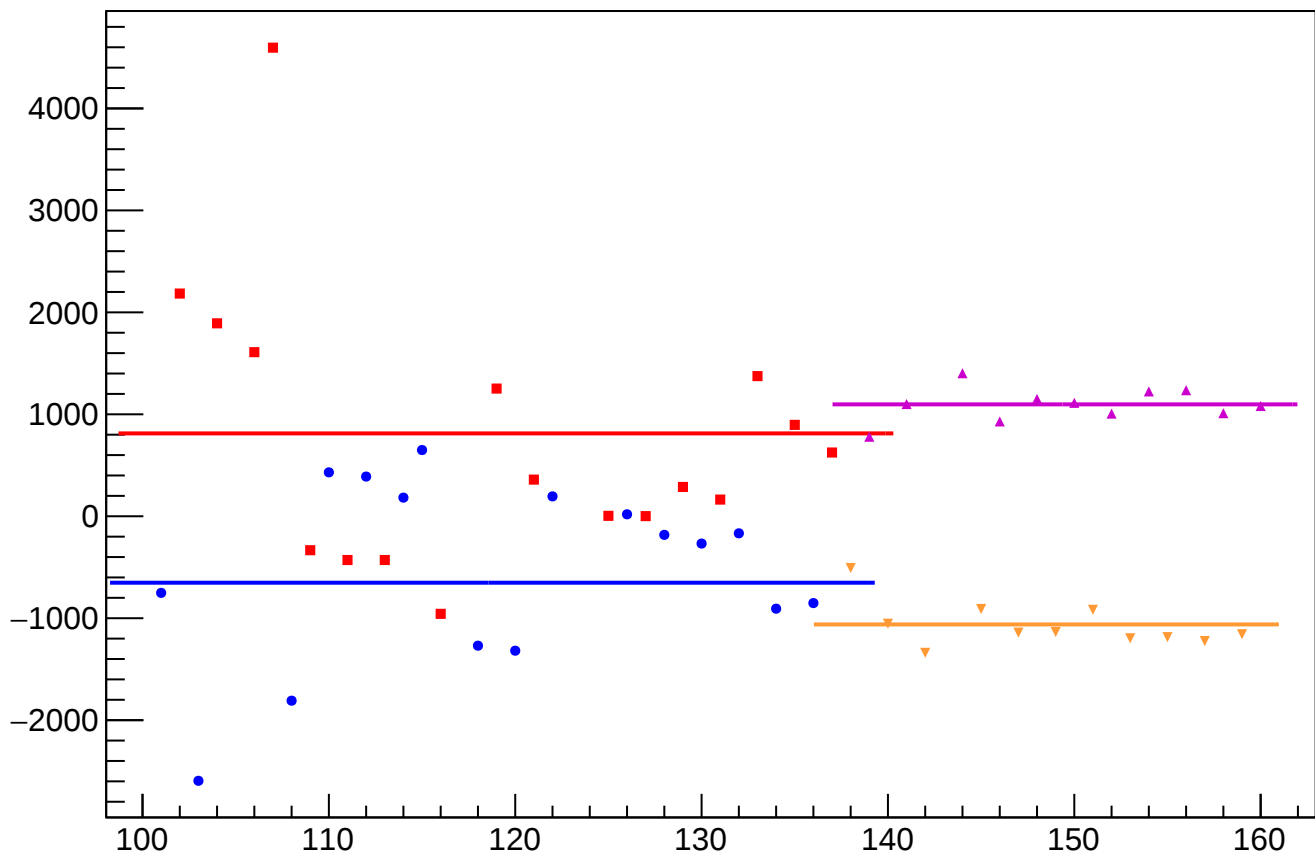
Right In: 1.227 ± 0.000 $\chi^2/\text{NDF}: 1236268785411842731770087408140288.0/16$
 Left Out: 0.386 ± 0.000 $\chi^2/\text{NDF}: 6218656899307774549221745623040.0/11$
 Right Out: -1.045 ± 0.000 $\chi^2/\text{NDF}: 600057841416365938926945245855744.0/17$
 Left In: -0.369 ± 0.000 $\chi^2/\text{NDF}: 4180194840459374093507993010176.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 39322772320005$

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -651.720+/-0.000

χ^2/NDF : 515253429514141170908240824492993019904.0/15

Left Out: -1060.938+/-0.000

χ^2/NDF : 37316934369897173476470226506953523200.0/10

Right Out: 812.763+/-0.000

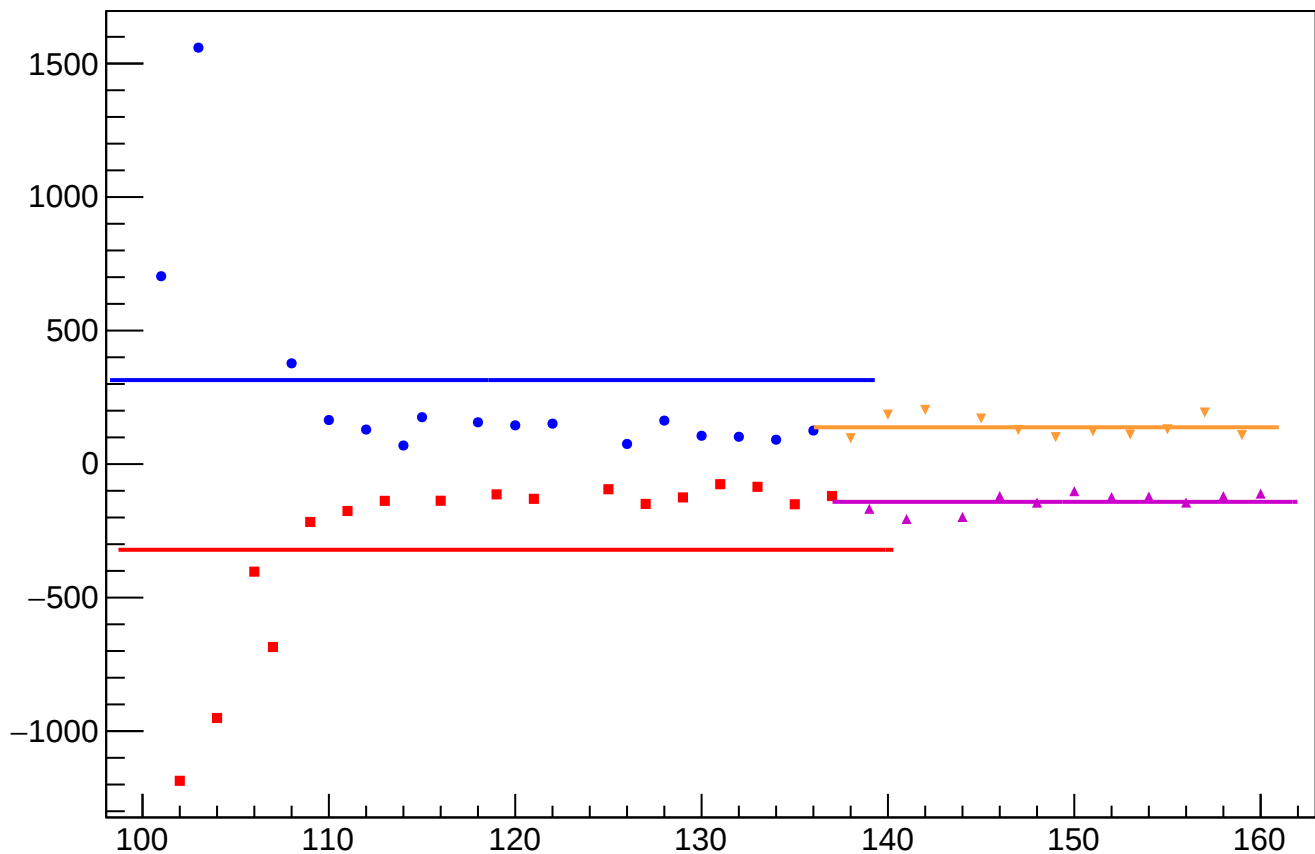
χ^2/NDF : 1101460876390641458322598423370785619968.0/16

Left In: 1097.494+/-0.000

χ^2/NDF : 23351400853511431173682229401488457728.0/10

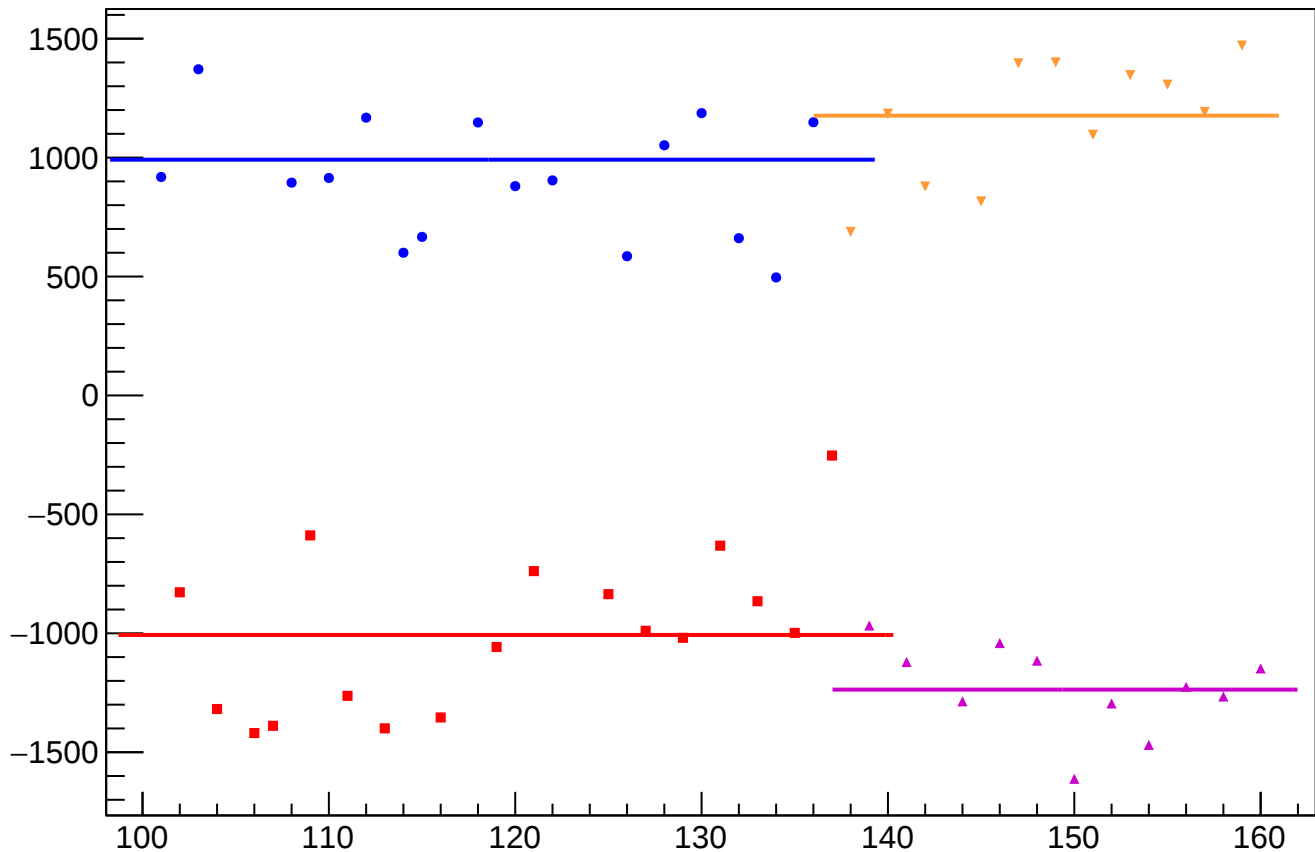
All: 79.189+/-0.000 χ^2/NDF : 4485206924735

dit_usl_coil6_err_mean vs Slug, Sign Corrected



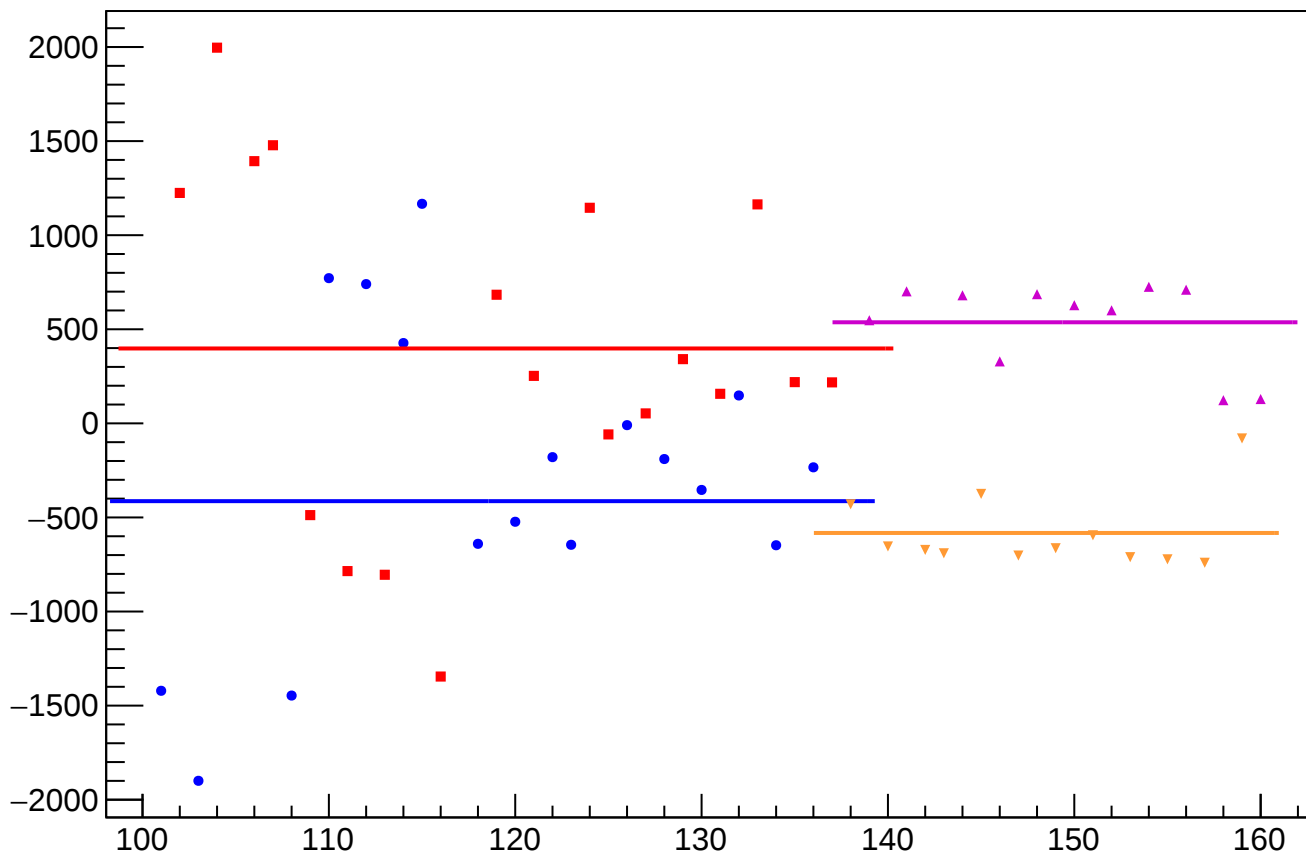
Right In: 314.545 +/- 0.000 χ^2/NDF : 119237374869722274381627978354572394496.0/15
 Left Out: 137.826 +/- 0.000 χ^2/NDF : 1094456190127485878958561813734621184.0/10
 Right Out: -320.904 +/- 0.000 χ^2/NDF : 87674109079535670450798871539758399488.0/16
 Left In: -141.362 +/- 0.000 χ^2/NDF : 1055012585821780249716984846873526272.0/10
 All: -7.504 +/- 0.000 χ^2/NDF : 3839775082009

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 991.206 ± 0.000 $\chi^2/\text{NDF}: 36748853080147814133782972147039207424.0/15$
 Left Out: 1176.365 ± 0.000 $\chi^2/\text{NDF}: 52126967778678264824660469189129011200.0/10$
 Right Out: -1006.896 ± 0.000 $\chi^2/\text{NDF}: 60379057385364851969891575322776698880.0/16$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -58.538 ± 0.000 $\chi^2/\text{NDF}: 414968863069$

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -413.418+/-0.000

χ^2/NDF : 416661262936725907024907175037323182080.0/16

Left Out: -582.459+/-0.000

χ^2/NDF : 33467960128357815096221409884680224768.0/11

Right Out: 397.961+/-0.000

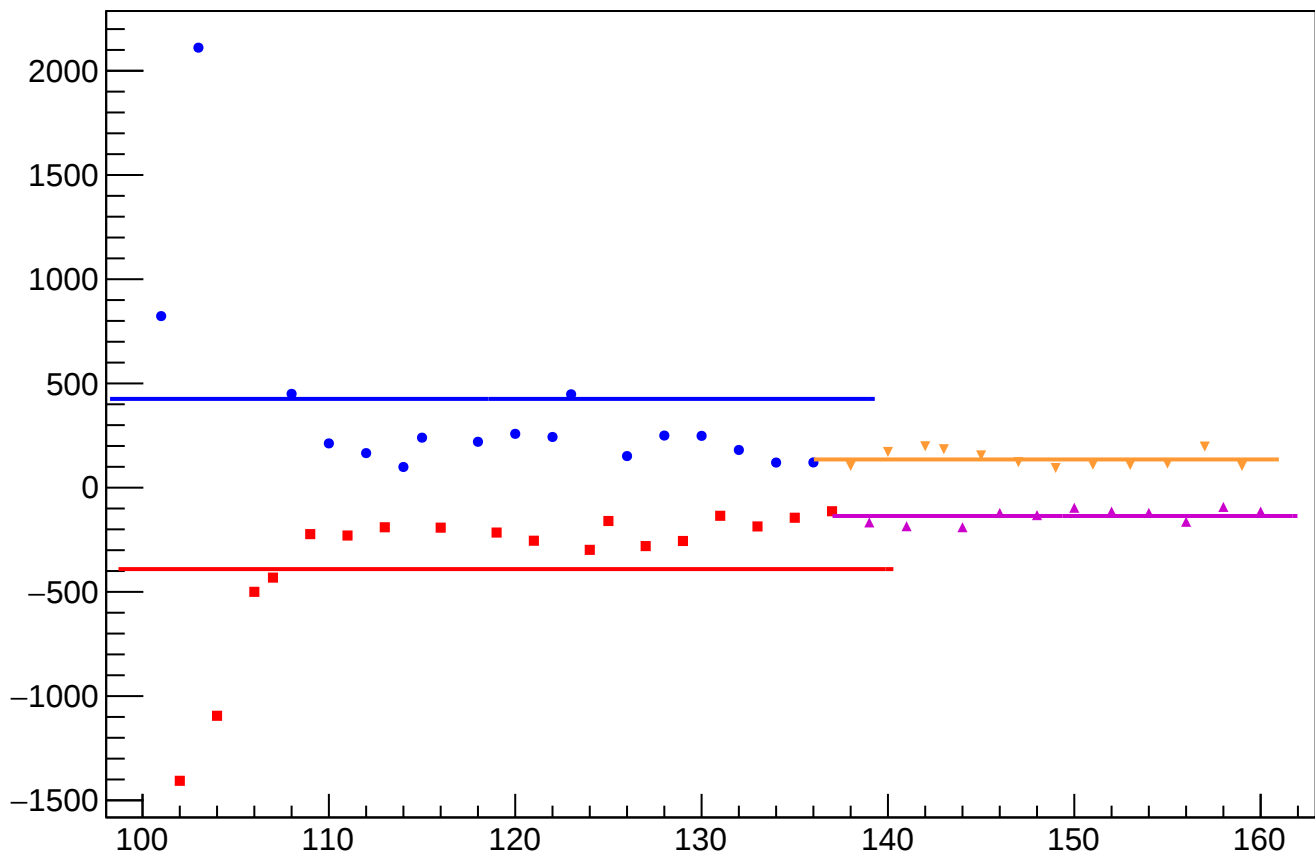
χ^2/NDF : 544622124437292502497528454351499034624.0/17

Left In: 537.163+/-0.000

χ^2/NDF : 43957458836517899124048676659035897856.0/10

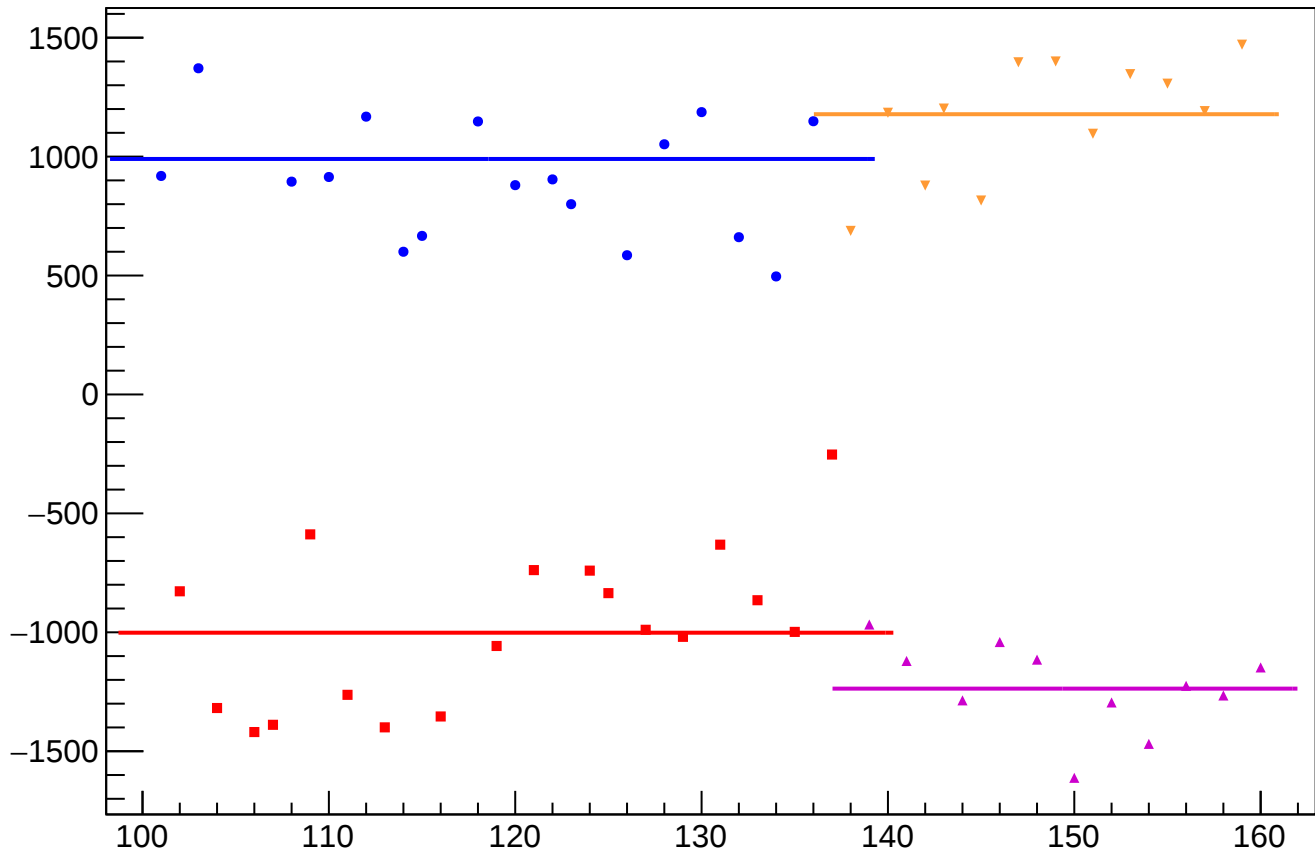
All: -9.429+/-0.000 χ^2/NDF : 1847867869270

dit_usr_coil6_err_mean vs Slug, Sign Corrected



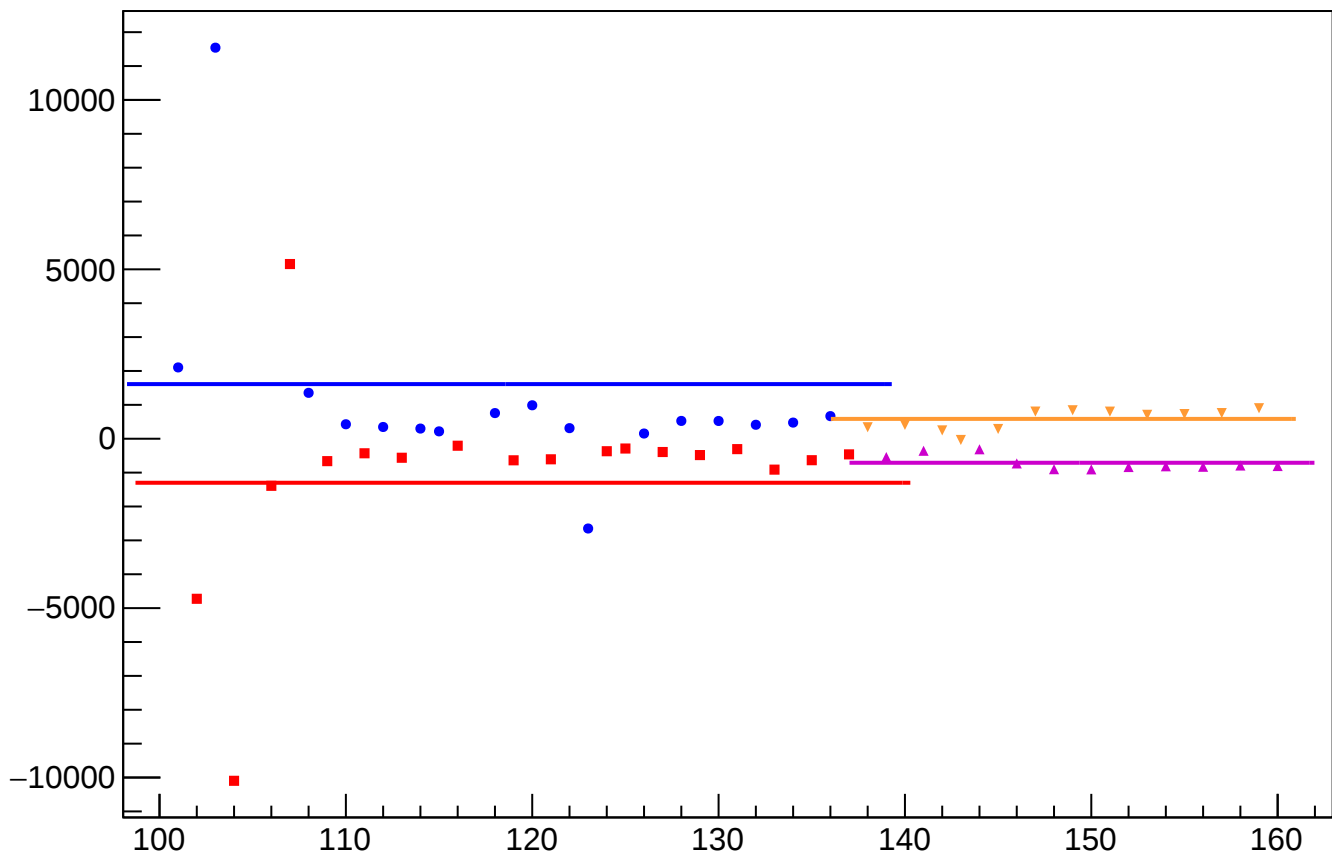
Right In: 425.847+/-0.000 χ^2/NDF : 207036344088227618256858466697210757120.0/16
 Left Out: 135.302+/-0.000 χ^2/NDF : 1213972117724638790045949459626459136.0/11
 Right Out: -390.709+/-0.000 χ^2/NDF : 105177402148385851360915440950786916352.0/17
 Left In: -135.877+/-0.000 χ^2/NDF : 1013407653524592727671386529217904640.0/10
 All: 3.814+/-0.000 χ^2/NDF : 58326132779015

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



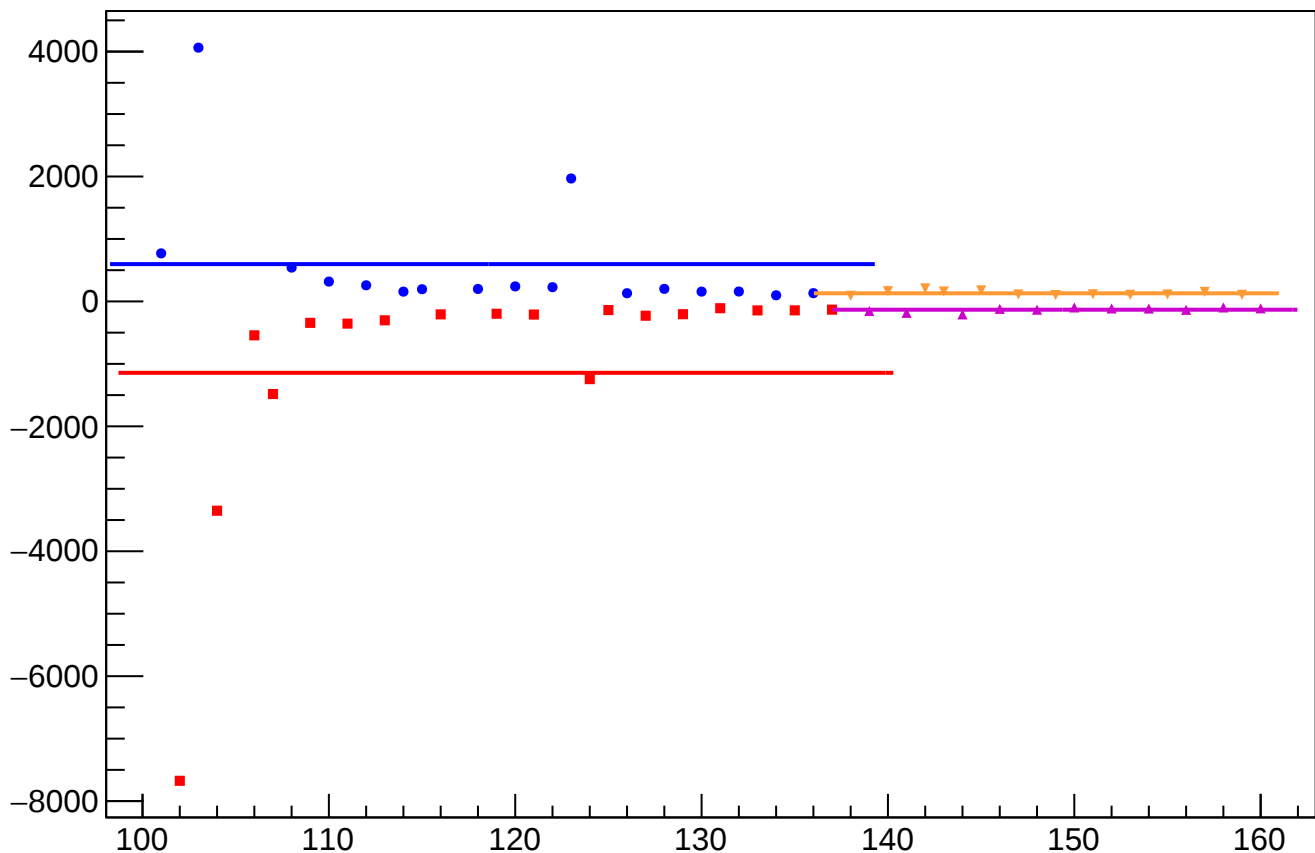
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atl1_coil6_mean vs Slug, Sign Corrected



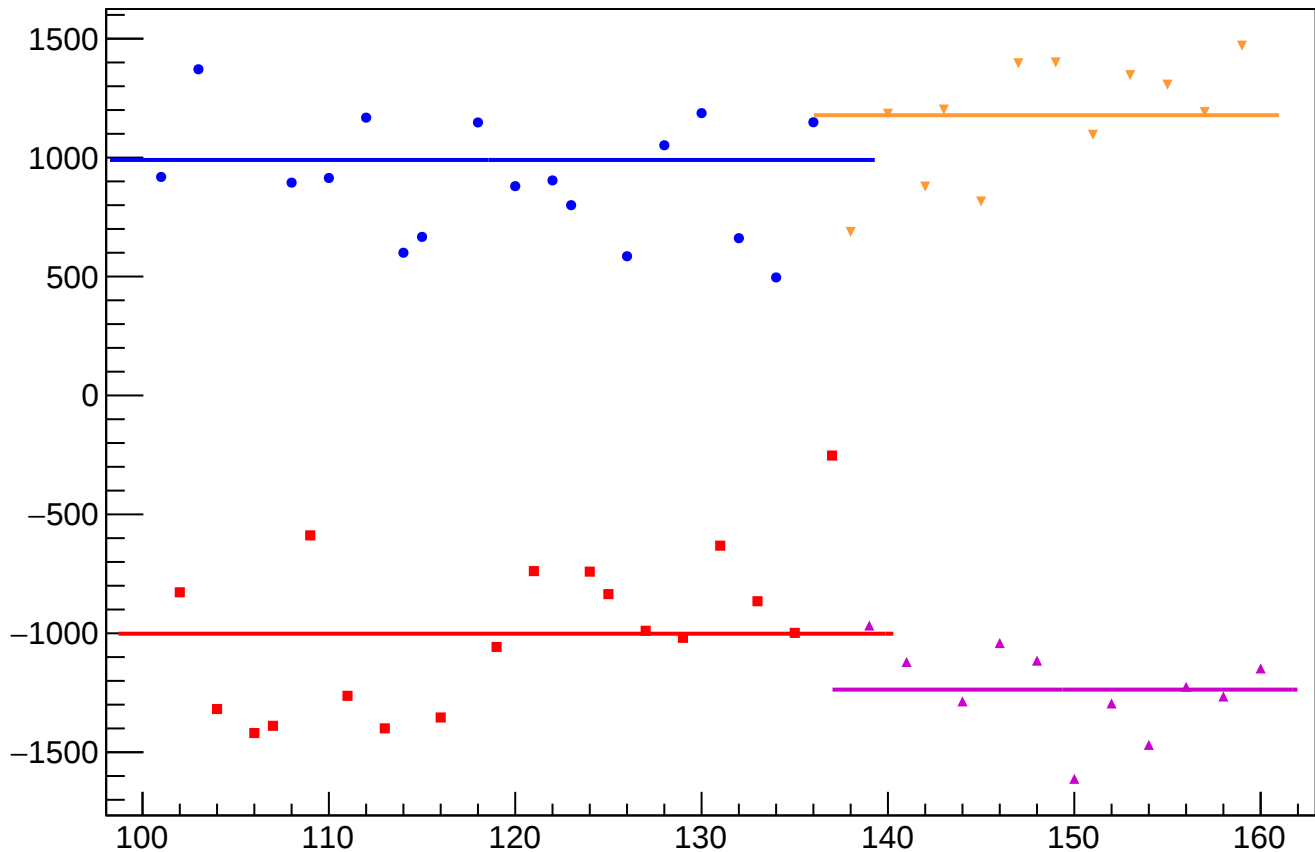
Right In: 1612.346+/-0.000 χ^2/NDF : 6578565632222822389389916952029424517120.0/16
 Left Out: 585.355+/-0.000 χ^2/NDF : 71064130905944539858639816600462557184.0/11
 Right Out: -1299.611+/-0.000 χ^2/NDF : 6468181068576271058681439598083982753792.0/17
 Left In: -709.552+/-0.000 χ^2/NDF : 38324887242823833367835539132322414592.0/10
 All: 18.401+/-0.000 χ^2/NDF : 1694801829865

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



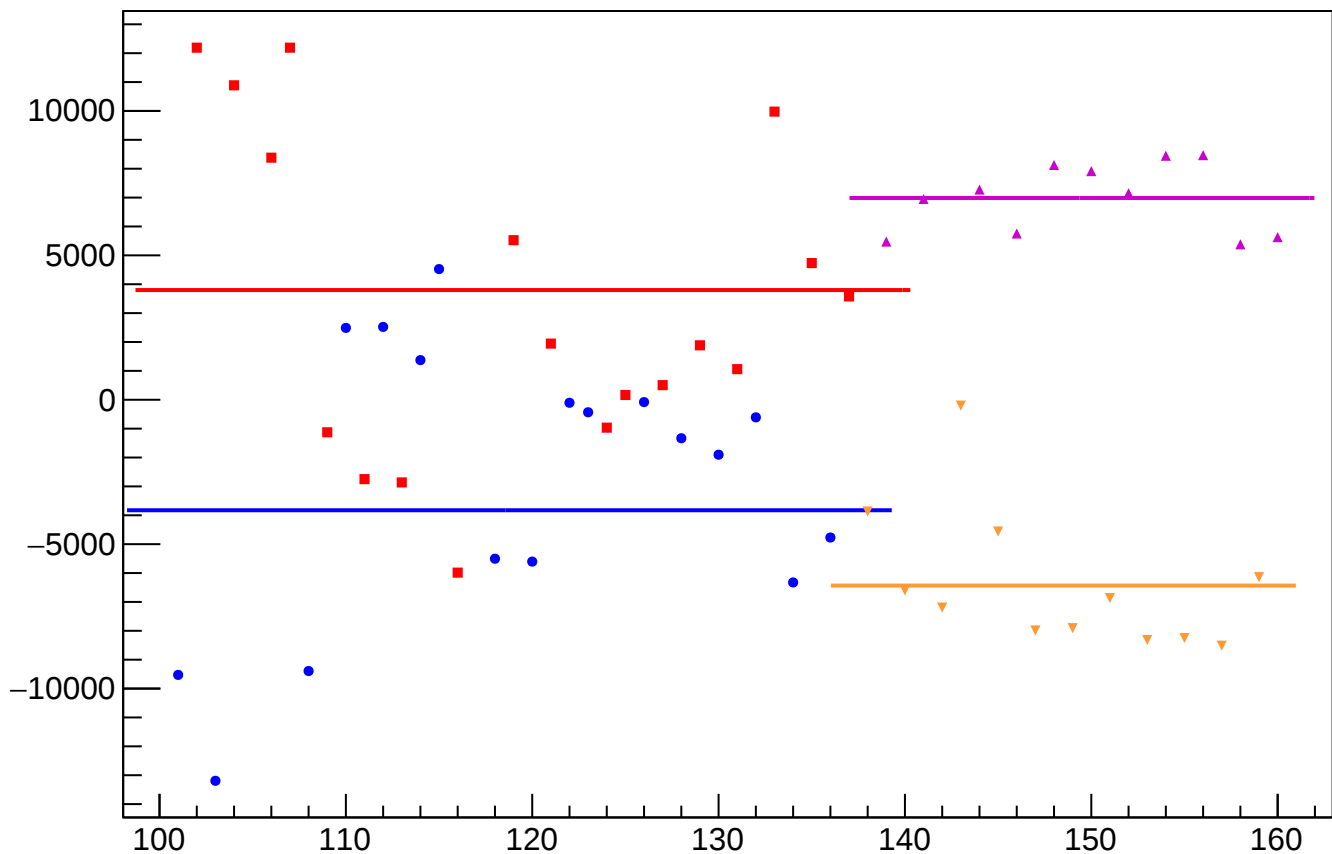
Left: -3.028 +/- 0.000 χ^2/NDF : 33889688901035256
 Right In: 597.382 +/- 0.000 χ^2/NDF : 808468639420281882930484113186400239616.0/16
 Right: -285.870 +/- 0.000 χ^2/NDF : 50680370930109
 Left Out: 130.051 +/- 0.000 χ^2/NDF : 1012152339815276325722639516246736896.0/11
 In: 178.727 +/- 0.000 χ^2/NDF : 10216812314521010
 Right Out: -1143.180 +/- 0.000 χ^2/NDF : 3192644561132334907368616853810301632512.0/17
 Out: -430.516 +/- 0.000 χ^2/NDF : 384243763788041
 Left In: -132.683 +/- 0.000 χ^2/NDF : 1095069941425855295085560512768901120.0/10
 All: -125.613 +/- 0.000 χ^2/NDF : 51657930669

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -3825.392 +/- 0.000

Left Out: -6434.104 +/- 0.000

Right Out: 3798.528 +/- 0.000

Left In: 6986.598 +/- 0.000

χ^2/NDF : 15445294605440071214640081166471362772992.0/16

χ^2/NDF : 4694104378818420456134132299517770334208.0/11

χ^2/NDF : 21131316959829635023813459777790997954560.0/17

χ^2/NDF : 1235548818628101724226564744951120265216.0/10

Left: 363.678 +/- 0.000 χ^2/NDF : 8885863810237189

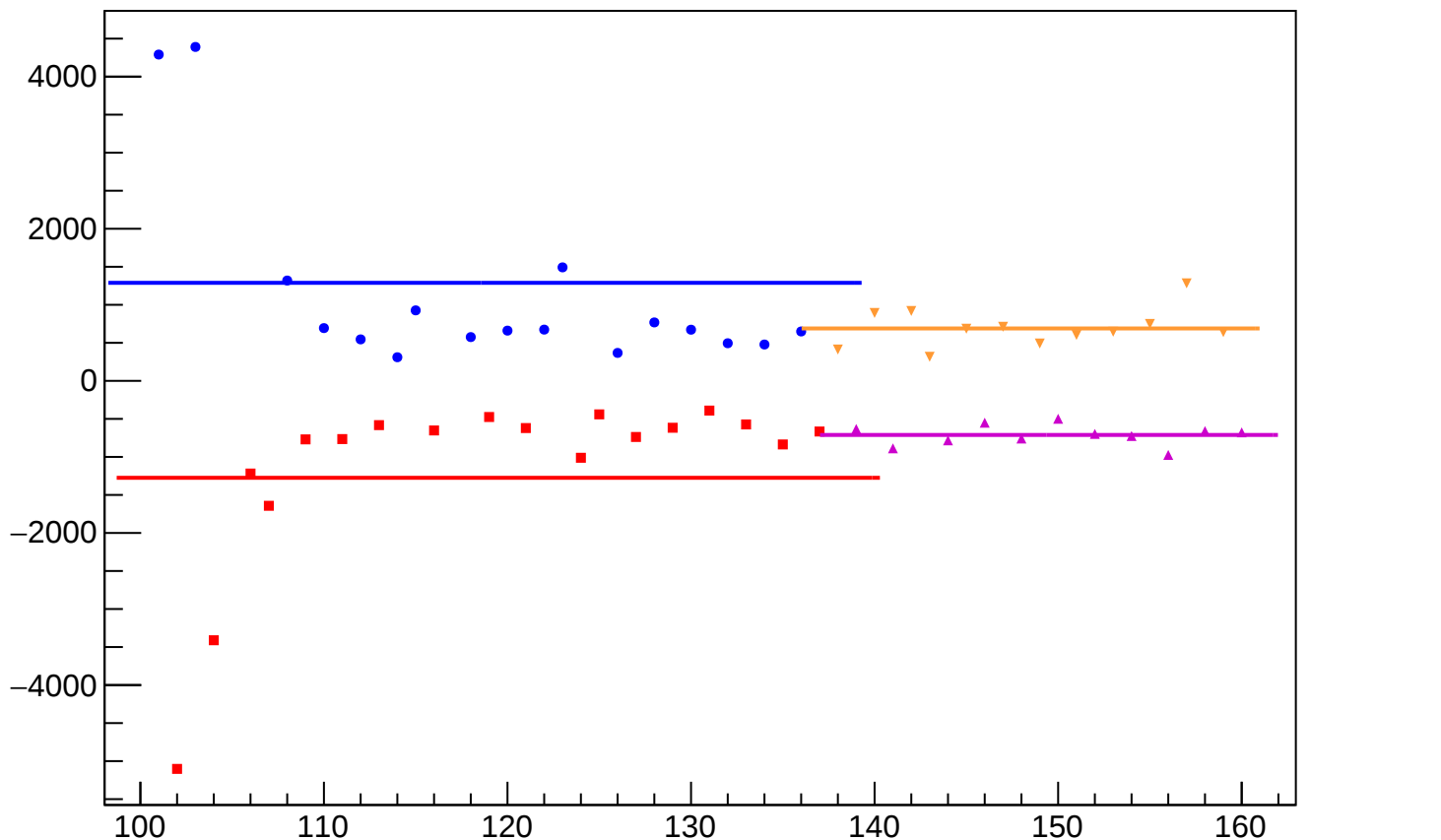
Right: 43.382 +/- 0.000 χ^2/NDF : 5704630071660789

In: 2374.723 +/- 0.000 χ^2/NDF : 6320353446593987

Out: -1928.973 +/- 0.000 χ^2/NDF : 67729726367742

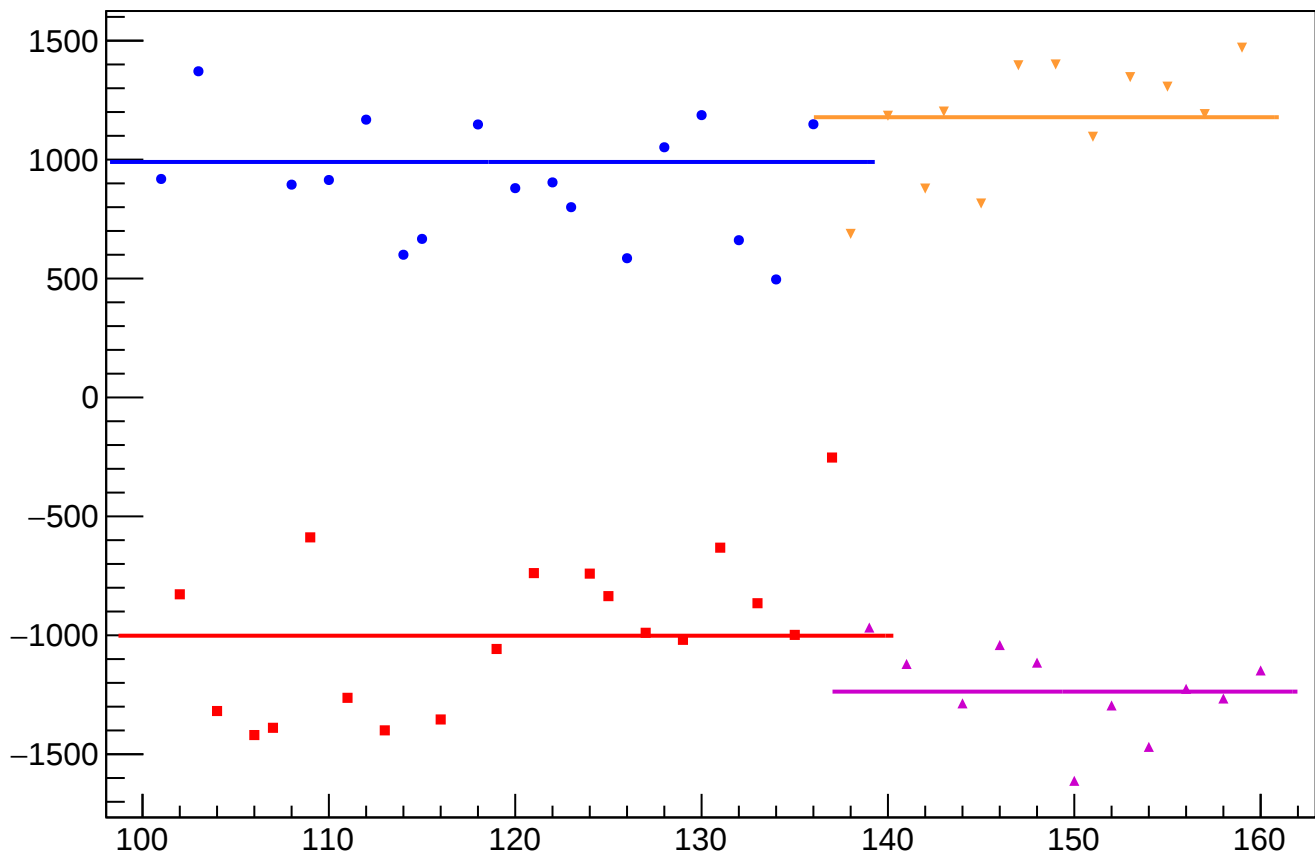
All: 224.860 +/- 0.000 χ^2/NDF : 145986839293

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



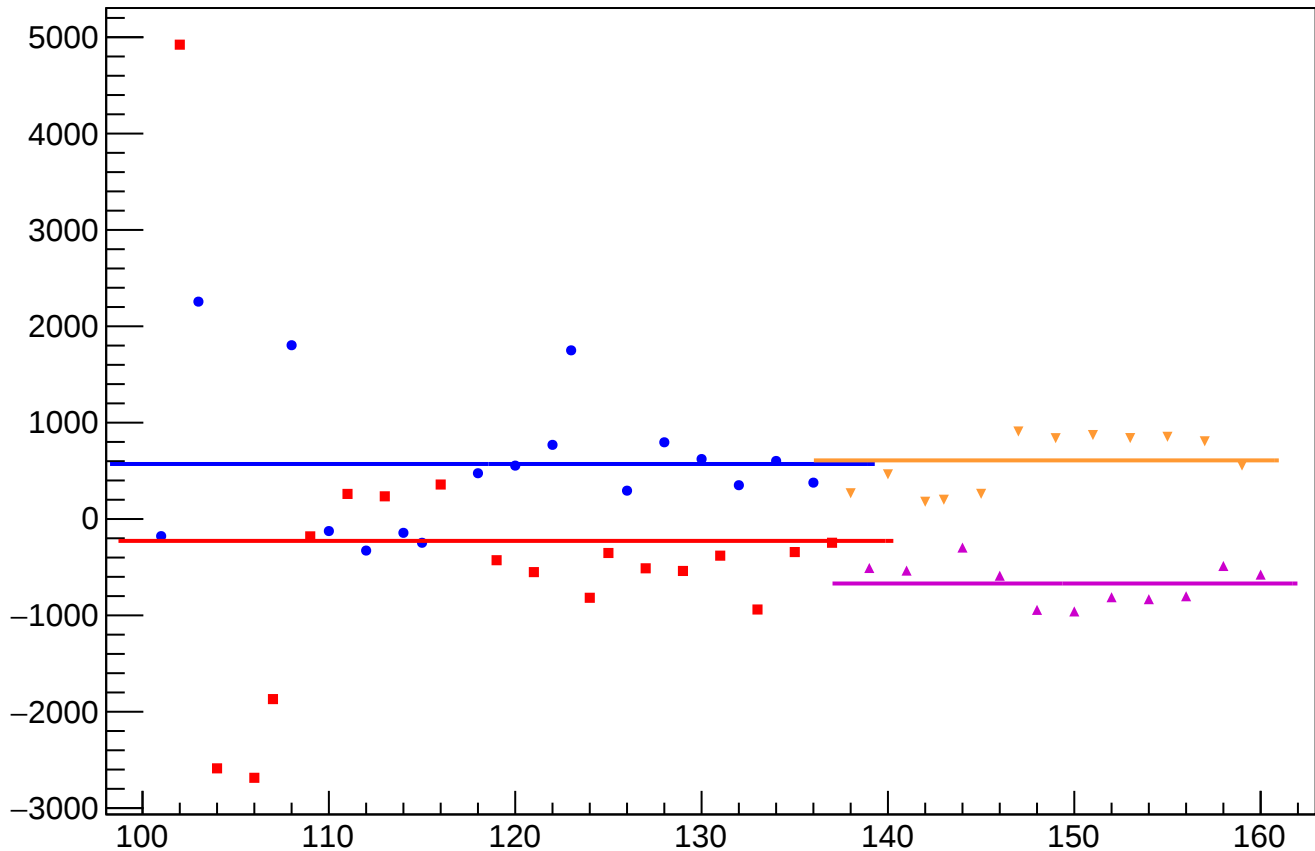
Right In: 1288.972+/-0.000 χ^2/NDF : 1352910763882575479104094227028785496064.0/16
 Left Out: 689.077+/-0.000 χ^2/NDF : 51672387047118863079417001056116146176.0/11
 Right Out: -1274.734+/-0.000 χ^2/NDF : 1316265489507064730168544372361657319424.0/17
 Left In: -711.332+/-0.000 χ^2/NDF : 15887933249894385970628581231809265664.0/10
 All: -16.668+/-0.000 χ^2/NDF : 595442451366

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 571.105+/-0.000

χ^2/NDF : 348676559810482432881112105158952615936.0/16

Left Out: 608.402+/-0.000

χ^2/NDF : 69117421342453825845201605751792992256.0/11

Right Out: -227.021+/-0.000

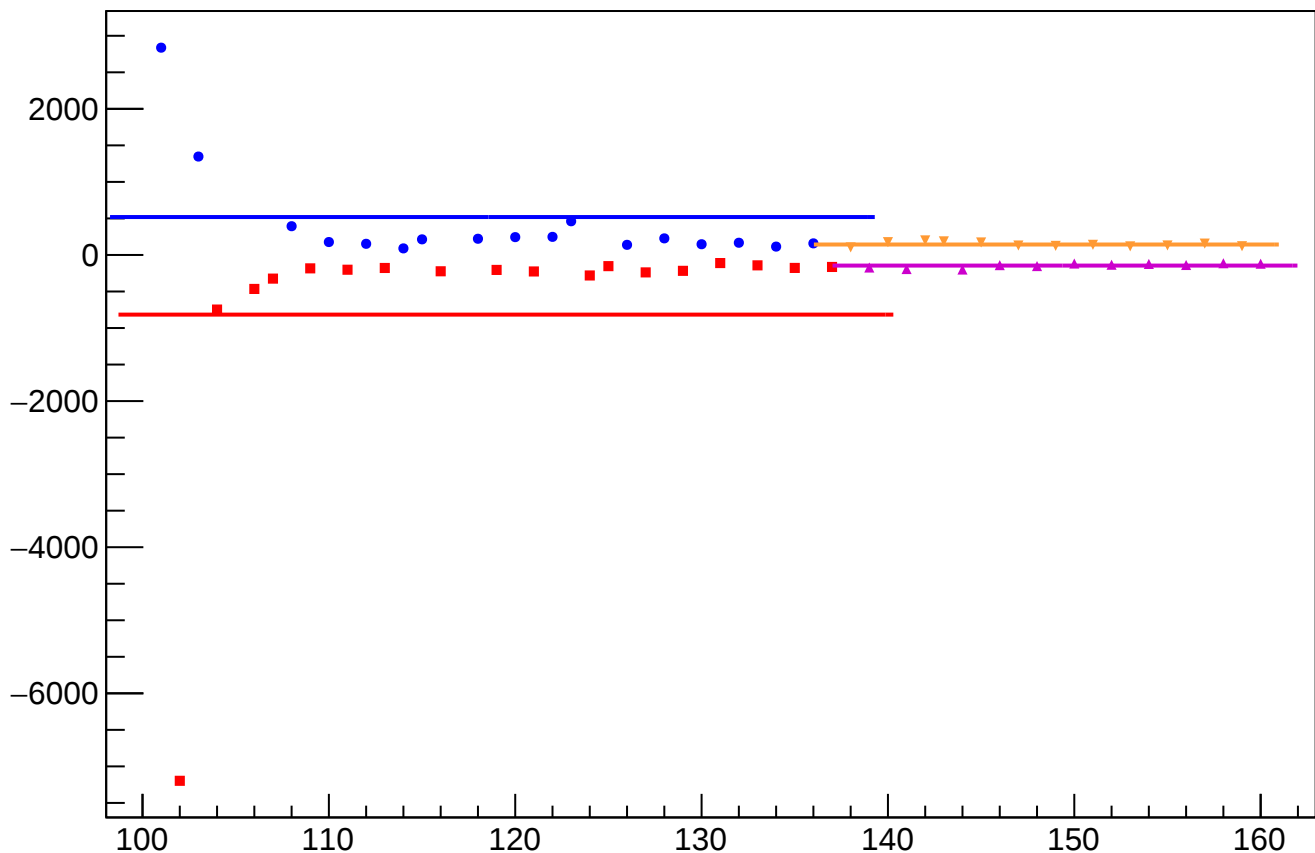
χ^2/NDF : 2178465037537899335461890002061994491904.0/17

Left In: -669.223+/-0.000

χ^2/NDF : 39382312244115775396192244581527453696.0/10

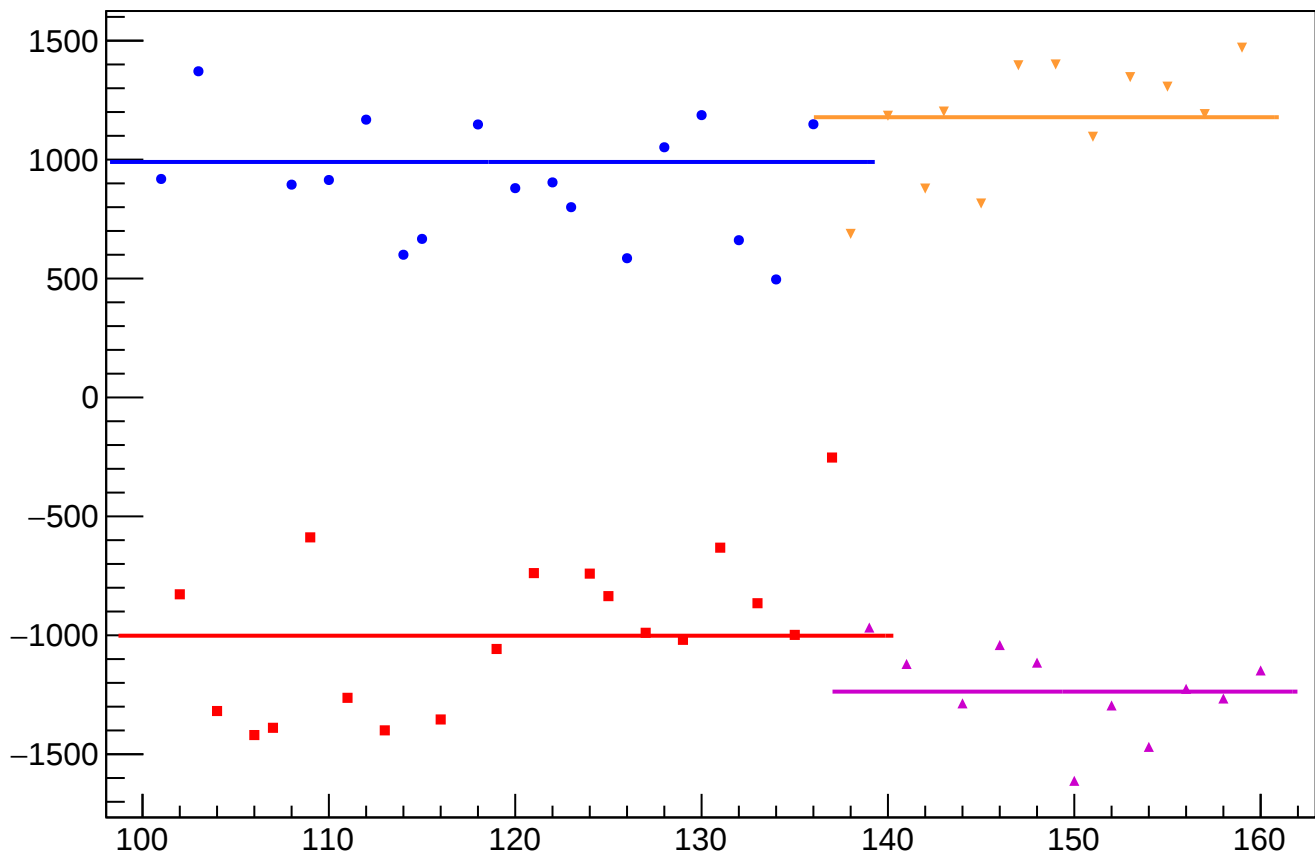
All: 50.040+/-0.000 χ^2/NDF : 3645028648995

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



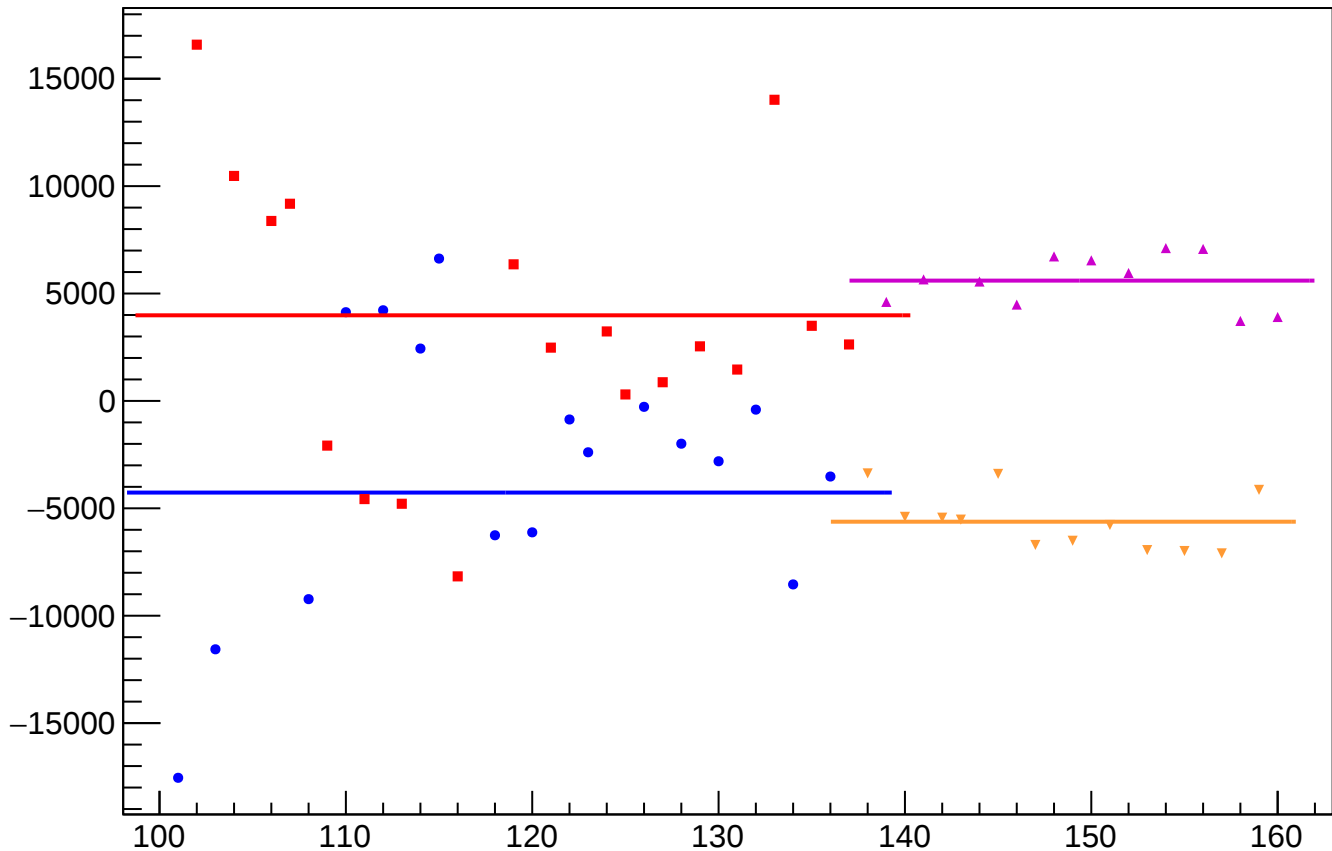
Right In: 519.063+/-0.000	χ^2/NDF : 420187131793740379632134790837132328960.0/16	Left: -2.953+/-0.000	χ^2/NDF : 39788843072448788
Left Out: 143.116+/-0.000	χ^2/NDF : 711290210266154833943358309092294656.0/11	Right: -158.643+/-0.000	χ^2/NDF : 36351558307835
Right Out: -816.445+/-0.000	χ^2/NDF : 2586841774338234136799977462346624794624.0/17	In: 138.106+/-0.000	χ^2/NDF : 59661217272548168
Left In: -145.264+/-0.000	χ^2/NDF : 787451488433589165323793528208228352.0/10	Out: -279.351+/-0.000	χ^2/NDF : 295604583787737
	All: -70.430+/-0.000	χ^2/NDF : 369429588208	

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Left: -45.003+/-0.000 χ^2/NDF : 2767859757374114
 Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right: -20.633+/-0.000 χ^2/NDF : 149538797073234
 In: -286.905+/-0.000 χ^2/NDF : 2040776092386221
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Out: 218.490+/-0.000 χ^2/NDF : 2015349576700865
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4266.932+/-0.000

Left Out: -5623.118+/-0.000

Right Out: 3985.866+/-0.000

Left In: 5600.969+/-0.000

χ^2/NDF : 25403959108162984315551486343624496513024.0/16

χ^2/NDF : 1581209031874296874377039249105372577792.0/11

χ^2/NDF : 31378292211366162940134938718336985333760.0/17

χ^2/NDF : 1284033803057879693677598537255558840320.0/10

Left: 62.047+/-0.000 χ^2/NDF : 60869250243021165

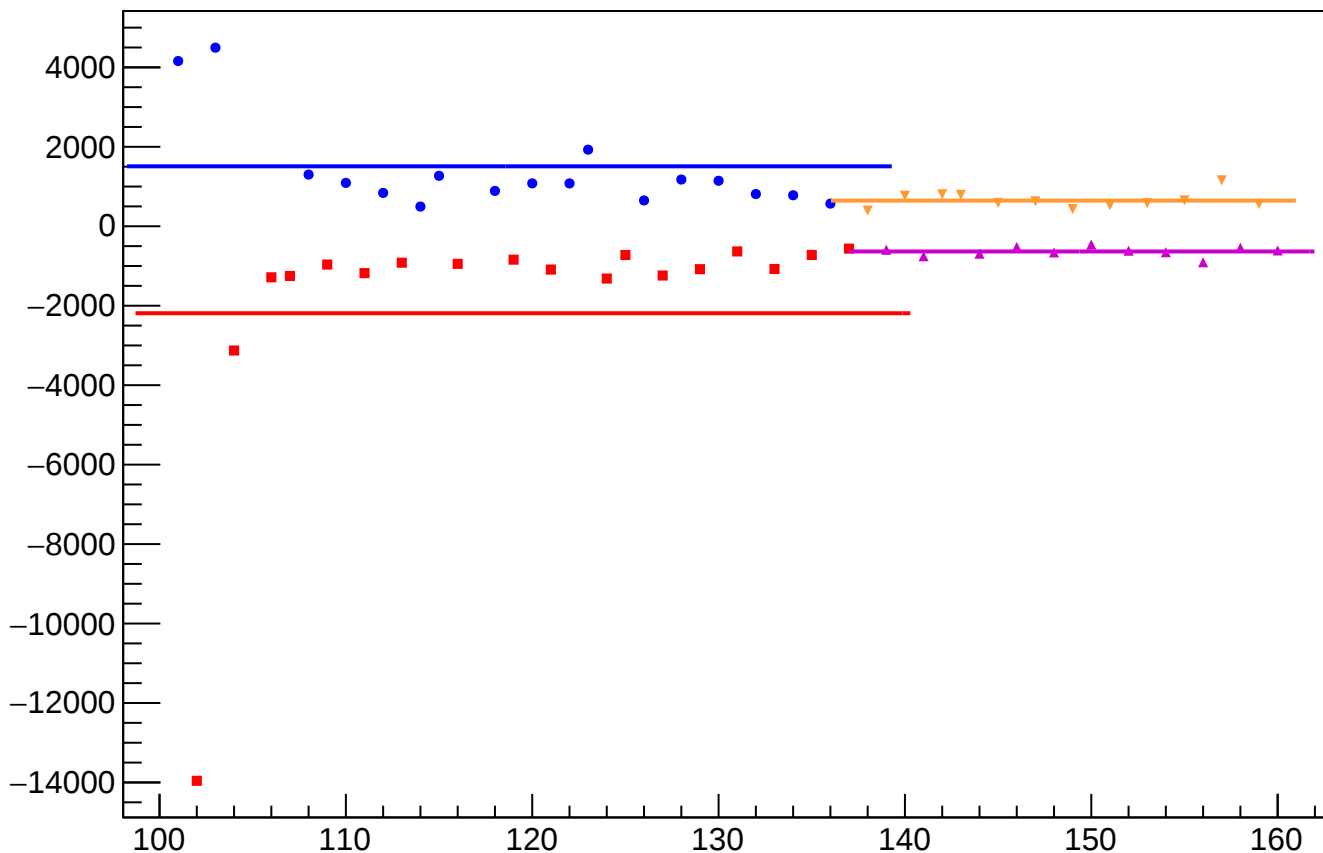
Right: -79.032+/-0.000 χ^2/NDF : 807682036229316

In: 1391.797+/-0.000 χ^2/NDF : 6544079861441833

Out: -1392.562+/-0.000 χ^2/NDF : 69911581261593

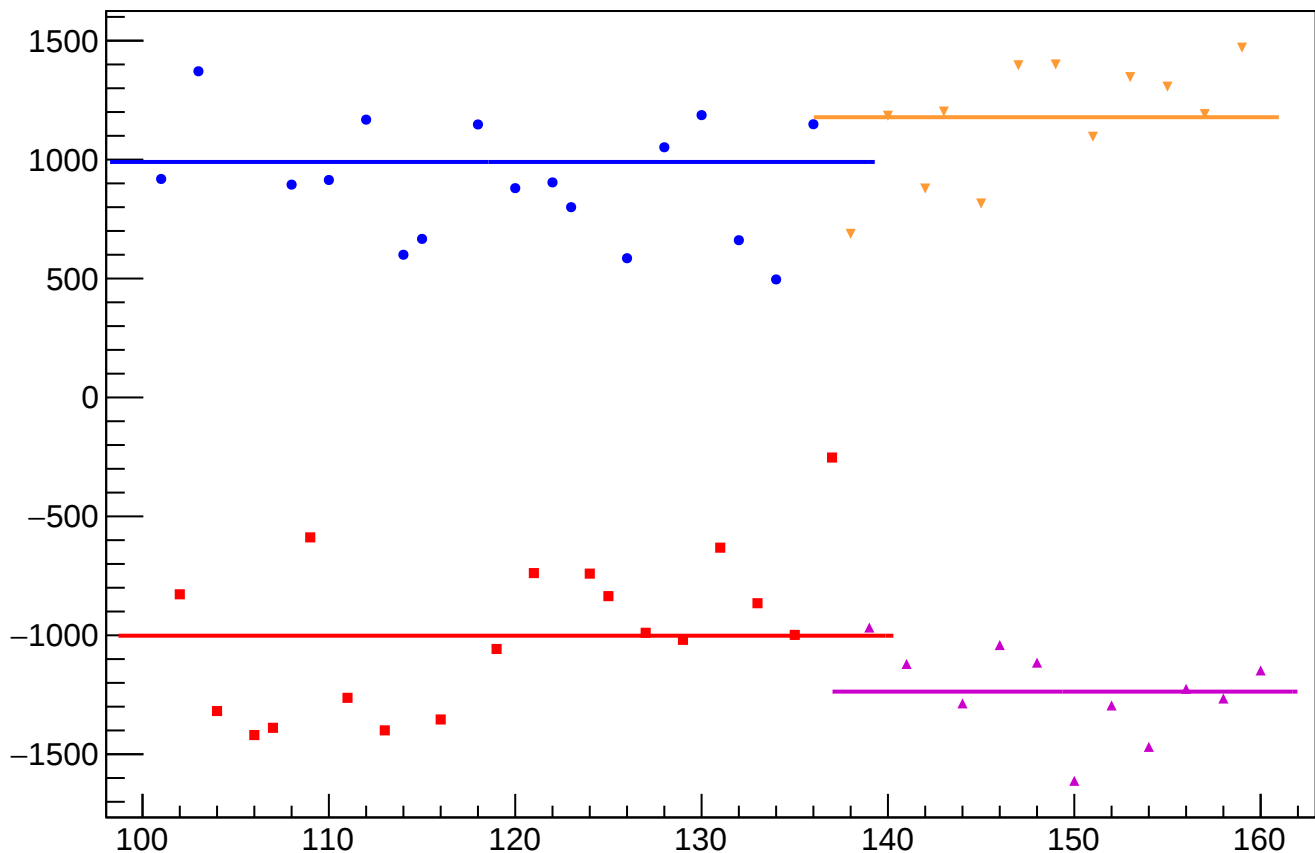
All: 0.902+/-0.000 χ^2/NDF : 14165334325845

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



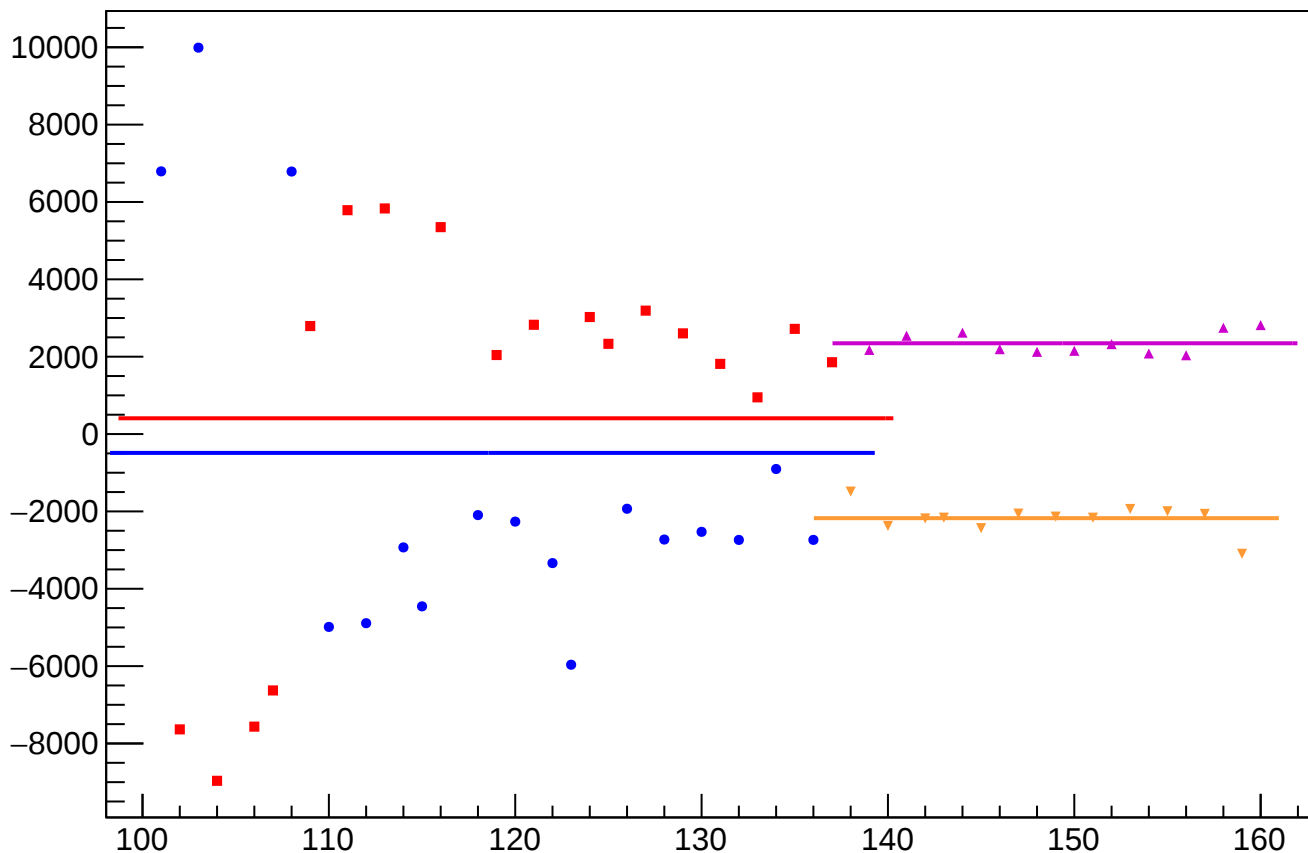
Right In: 1509.121+/-0.000 χ^2/NDF : 1169972089698319936649693761541425332224.0/16
 Left: -2.427+/-0.000 χ^2/NDF : 80138348437582154
 Right: -367.651+/-0.000 χ^2/NDF : 14973630100099
 Left Out: 646.174+/-0.000 χ^2/NDF : 34105781677425395538056373827956375552.0/11
 In: 279.956+/-0.000 χ^2/NDF : 3010746967527871
 Right Out: -2189.301+/-0.000 χ^2/NDF : 8986539063289018670432989988372162281472.0/17
 Out: -602.203+/-0.000 χ^2/NDF : 122382704094684
 Left In: -634.343+/-0.000 χ^2/NDF : 12312915107383873124917312703313215488.0/10
 All: -160.717+/-0.000 χ^2/NDF : 15881502156

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



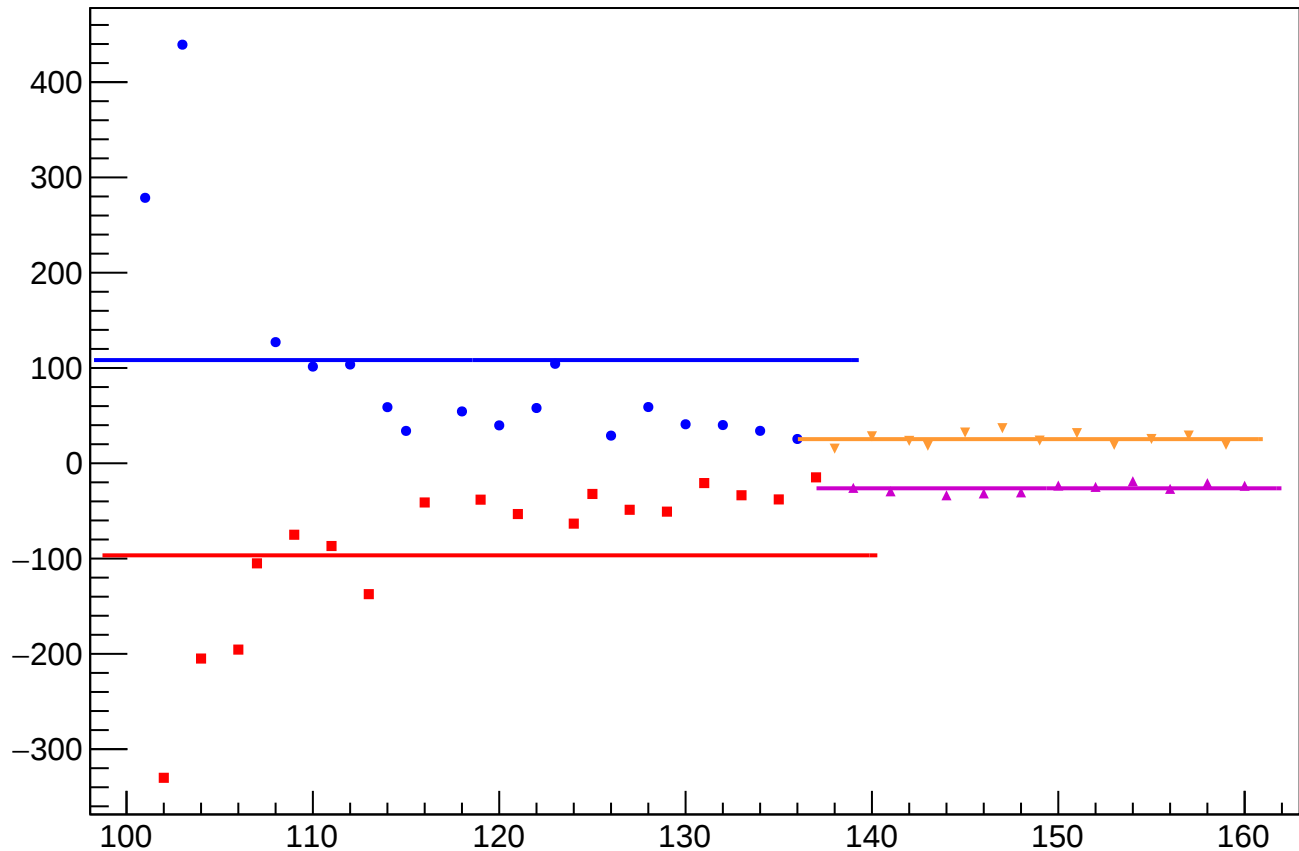
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam1_coil6_mean vs Slug, Sign Corrected



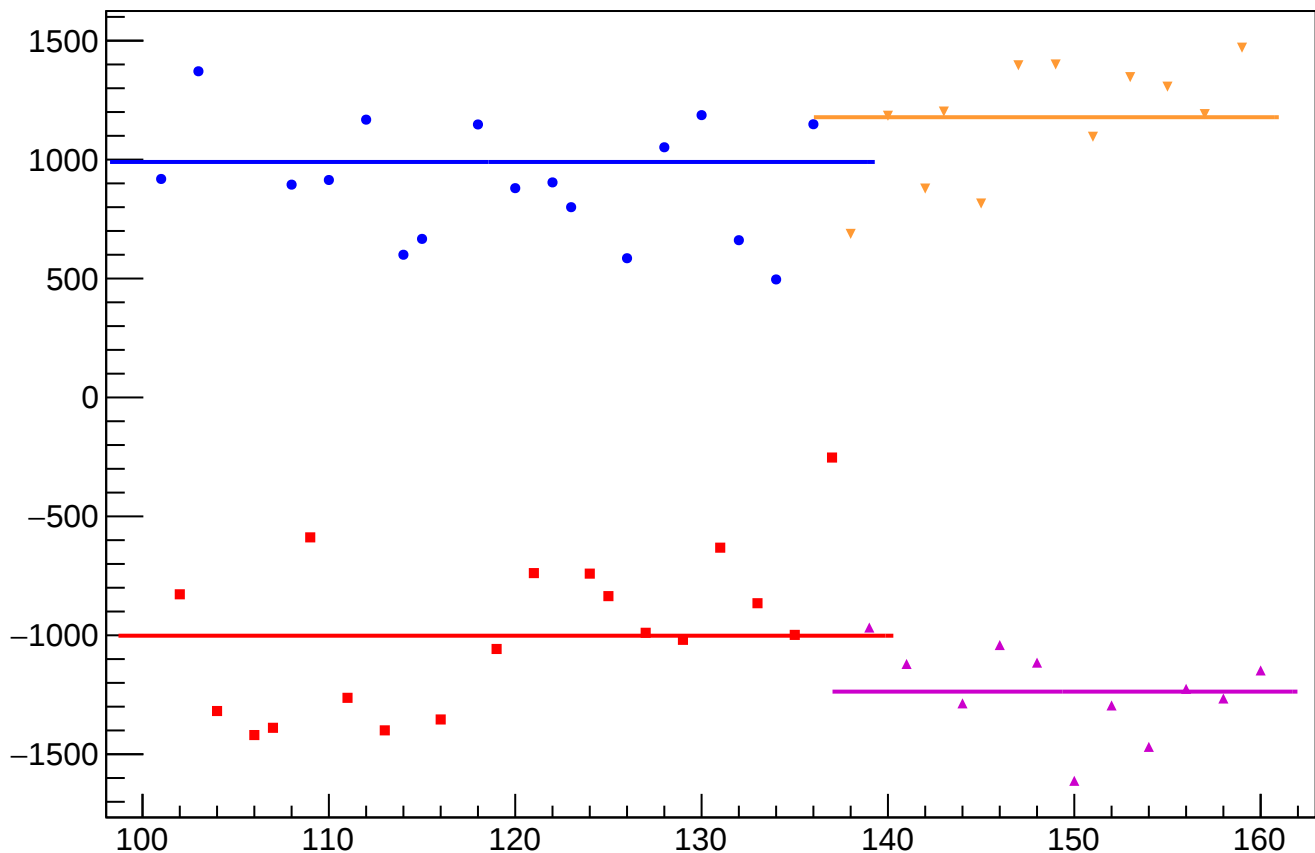
Right In: -487.313+/-0.000 χ^2/NDF : 15477070218746492867636387900929916010496.0/16
 Left Out: -2174.754+/-0.000 χ^2/NDF : 122757210138541314425031010279093174272.0/11
 Right Out: 407.637+/-0.000 χ^2/NDF : 17046160329483633481850056075702270164992.0/17
 Left In: 2346.925+/-0.000 χ^2/NDF : 6716906327196763069010620899655680.0/10
 All: 51.090+/-0.000 χ^2/NDF : 4242647048675

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



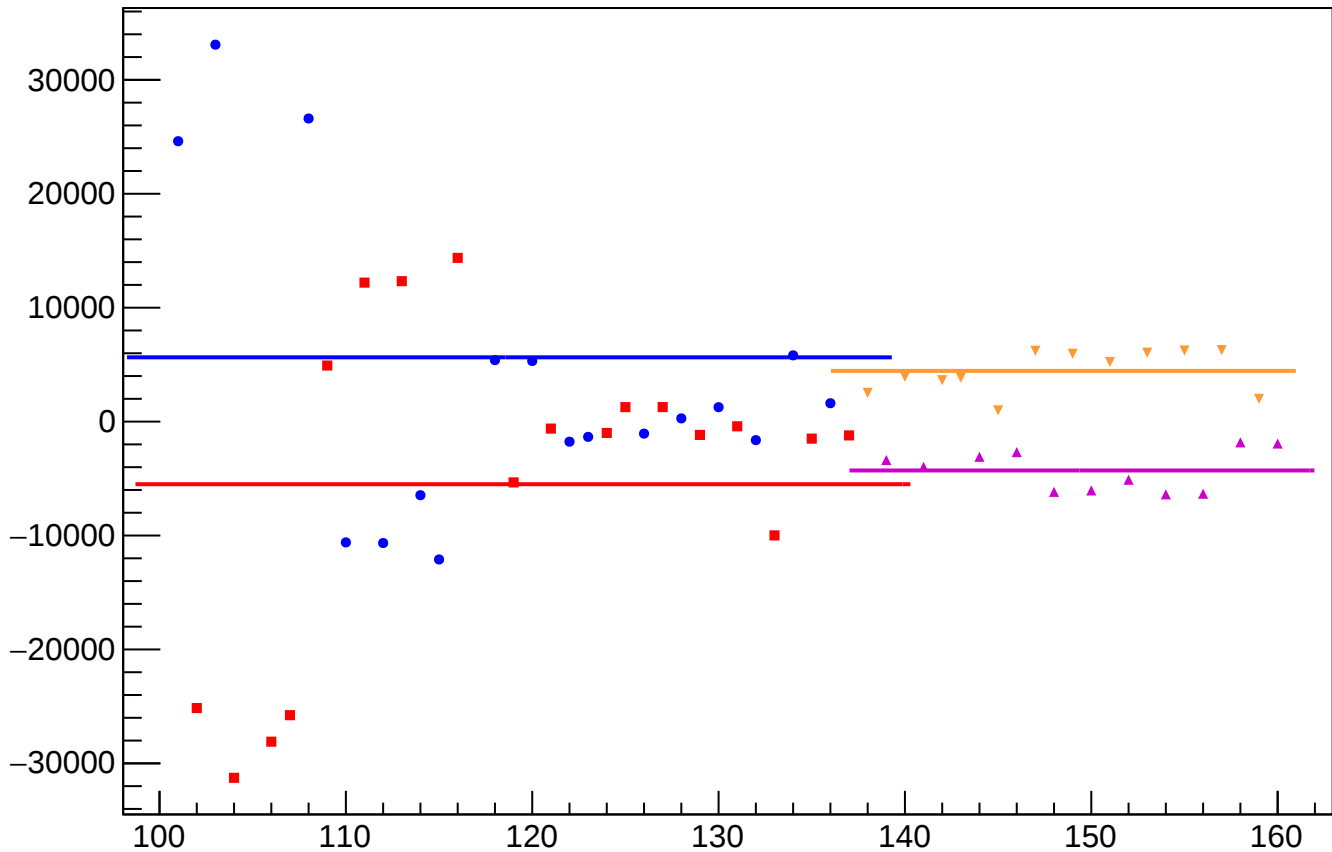
Right In: 108.310 $\pm$ 0.000 χ^2 /NDF: 10240592139421231918957200369451532288.0/16
 Left Out: 25.343 $\pm$ 0.000 χ^2 /NDF: 36110419999442203641332872035434496.0/11
 Right Out: -96.612 $\pm$ 0.000 χ^2 /NDF: 5525873832888071130304914389362278400.0/17
 Left In: -26.267 $\pm$ 0.000 χ^2 /NDF: 18381454665021153689982878819024896.0/10
 All: 1.421 $\pm$ 0.000 χ^2 /NDF: 31856999300877

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



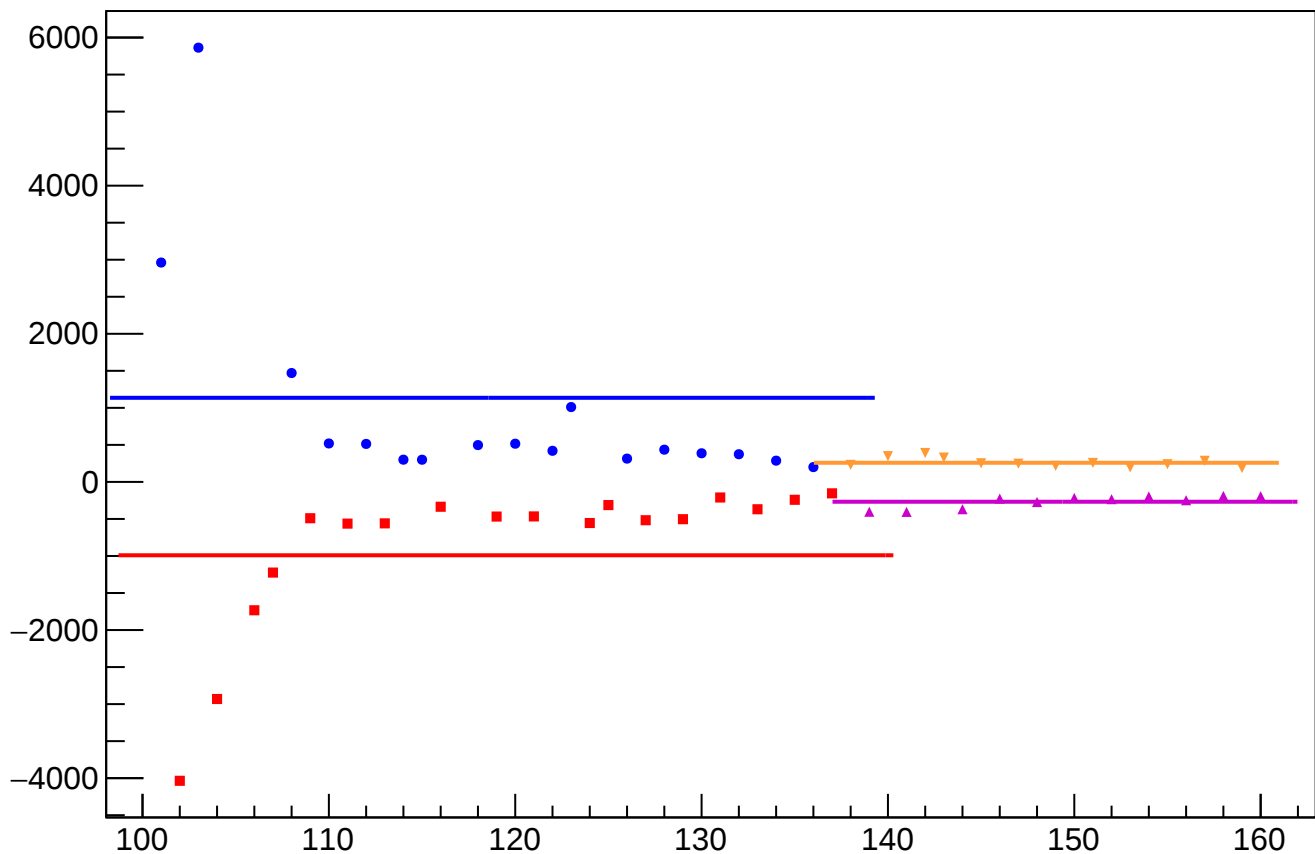
Left: -45.003+/-0.000 χ^2/NDF : 2767859757374114
 Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Right: -20.633+/-0.000 χ^2/NDF : 149538797073234
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 In: -286.905+/-0.000 χ^2/NDF : 2040776092386221
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Out: 218.490+/-0.000 χ^2/NDF : 2015349576700865
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam2_coil6_mean vs Slug, Sign Corrected



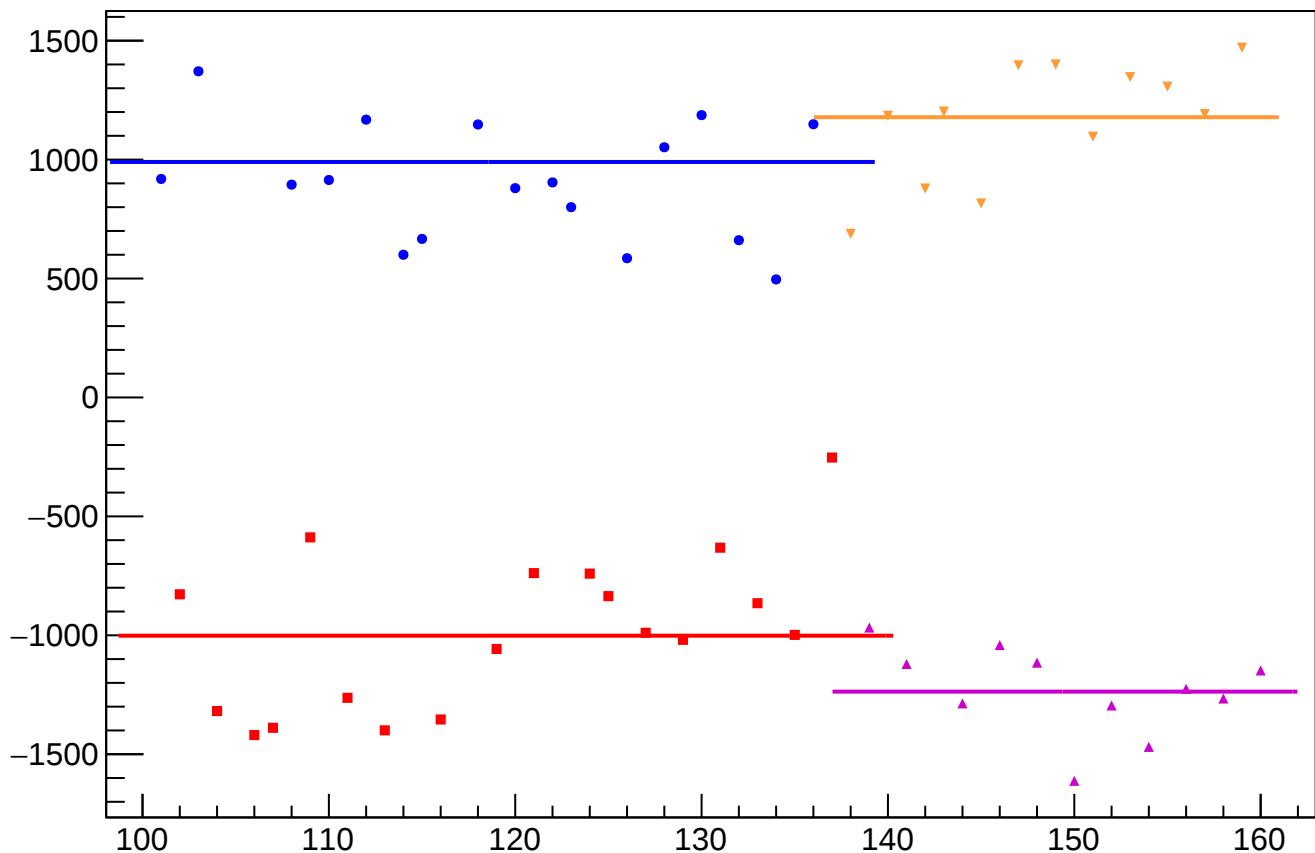
Right In: 5643.213+/-0.000 χ^2/NDF : 120843746110128548402153277612724047577088.0/16
 Left Out: 4452.458+/-0.000 χ^2/NDF : 2985929789295198919987260133715107381248.0/11
 Right Out: -5495.452+/-0.000 χ^2/NDF : 139584988563962510194230278268369577705472.0/17
 Left In: -4288.058+/-0.000 χ^2/NDF : 273563671238509418745516578877797910528.0/10
 All: 10.356+/-0.000 χ^2/NDF : 3450198120051

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



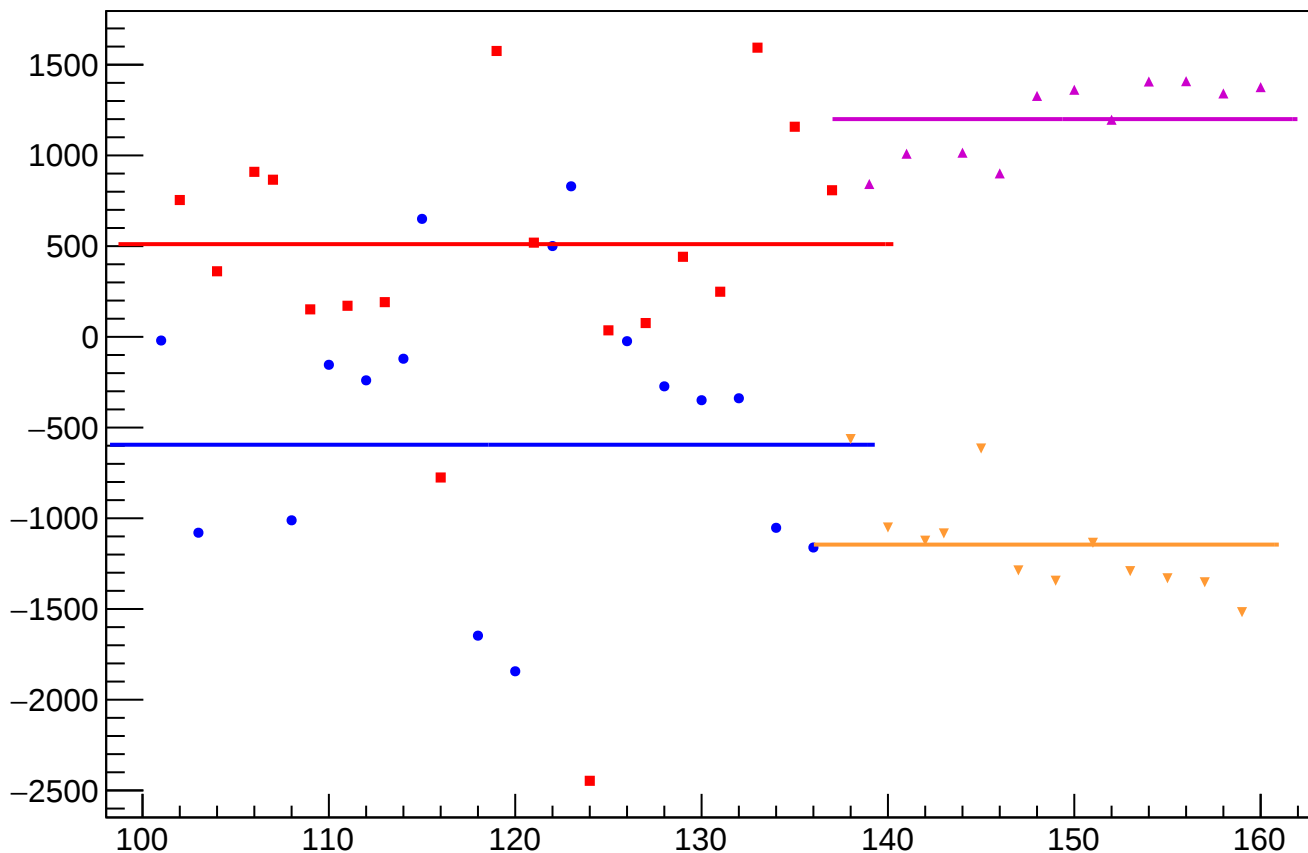
Right In: 1135.811+/-0.000 χ^2/NDF : 1824005819812756990146951558918737756160.0/16
 Left Out: 258.670+/-0.000 χ^2/NDF : 2829286833241859007622586413730496512.0/11
 Right Out: -990.520+/-0.000 χ^2/NDF : 932180516409120093653543317868461948928.0/17
 Left In: -267.701+/-0.000 χ^2/NDF : 5915399599612443264375094627914481664.0/10
 All: 20.116+/-0.000 χ^2/NDF : 4488112882627

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -594.642+/-0.000

χ^2/NDF : 301185427986157798818990027839559958528.0/16

Left Out: -1145.023+/-0.000

χ^2/NDF : 73058158331350430415583816889325846528.0/11

Right Out: 510.991+/-0.000

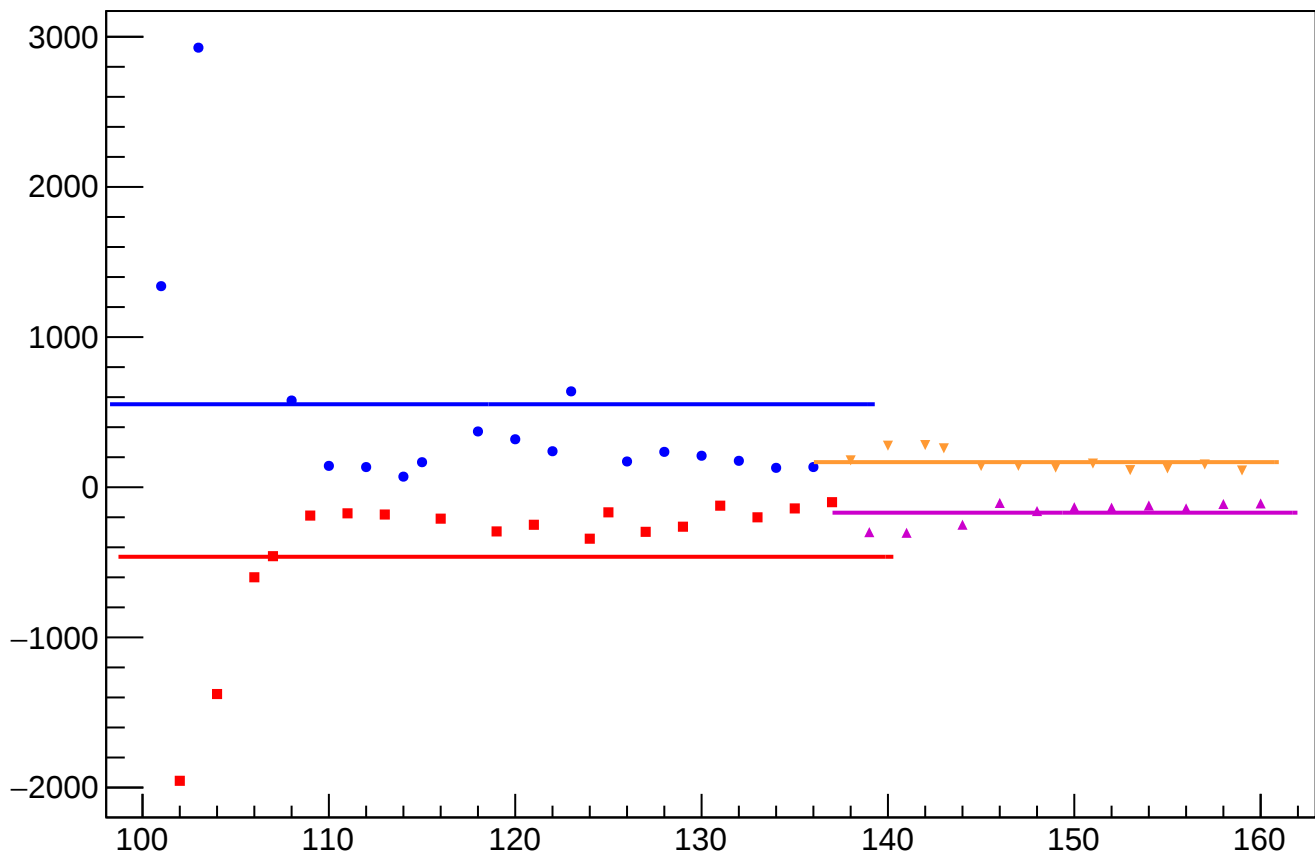
χ^2/NDF : 345692362052681149269006983787007967232.0/17

Left In: 1200.159+/-0.000

χ^2/NDF : 39206754972923098015710381582583857152.0/10

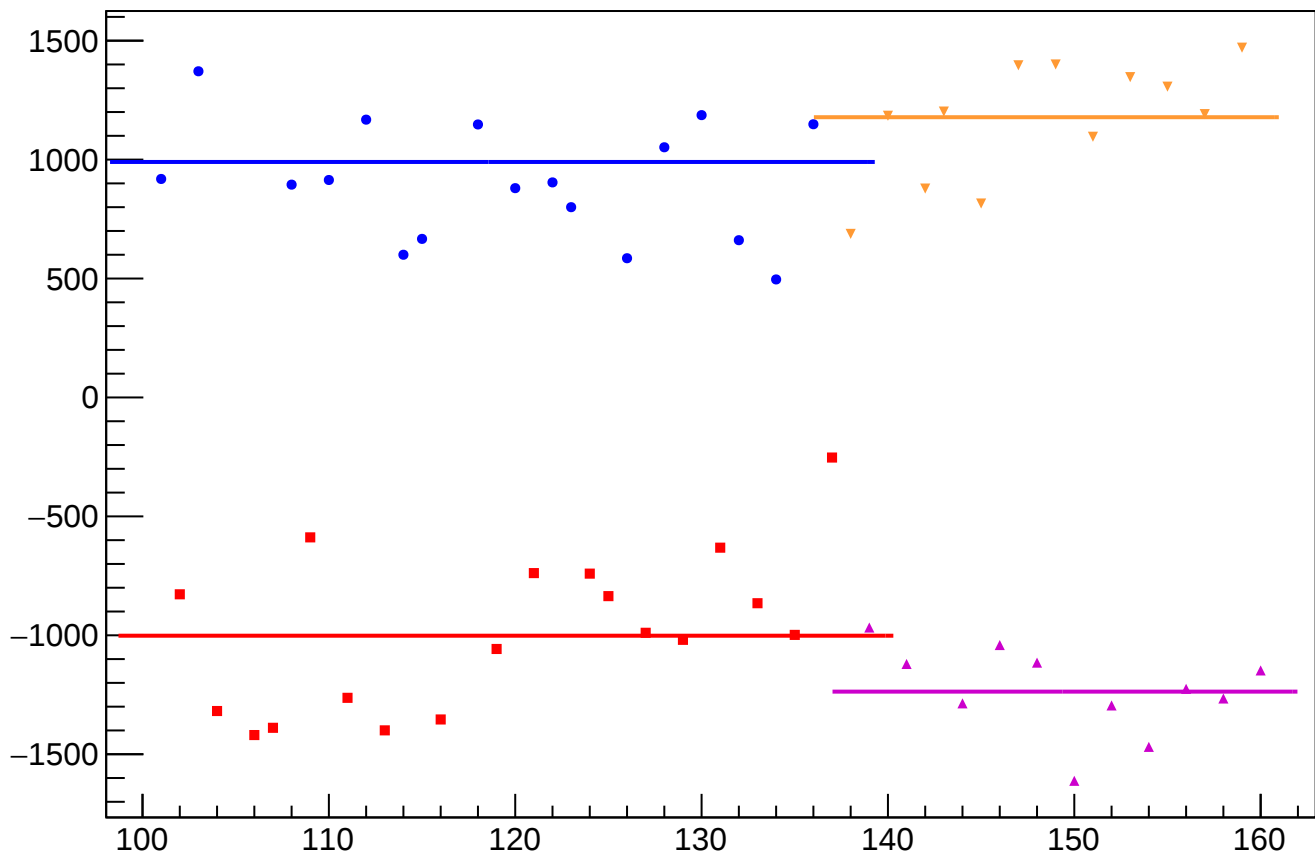
All: 9.720+/-0.000 χ^2/NDF : 37265736516506

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



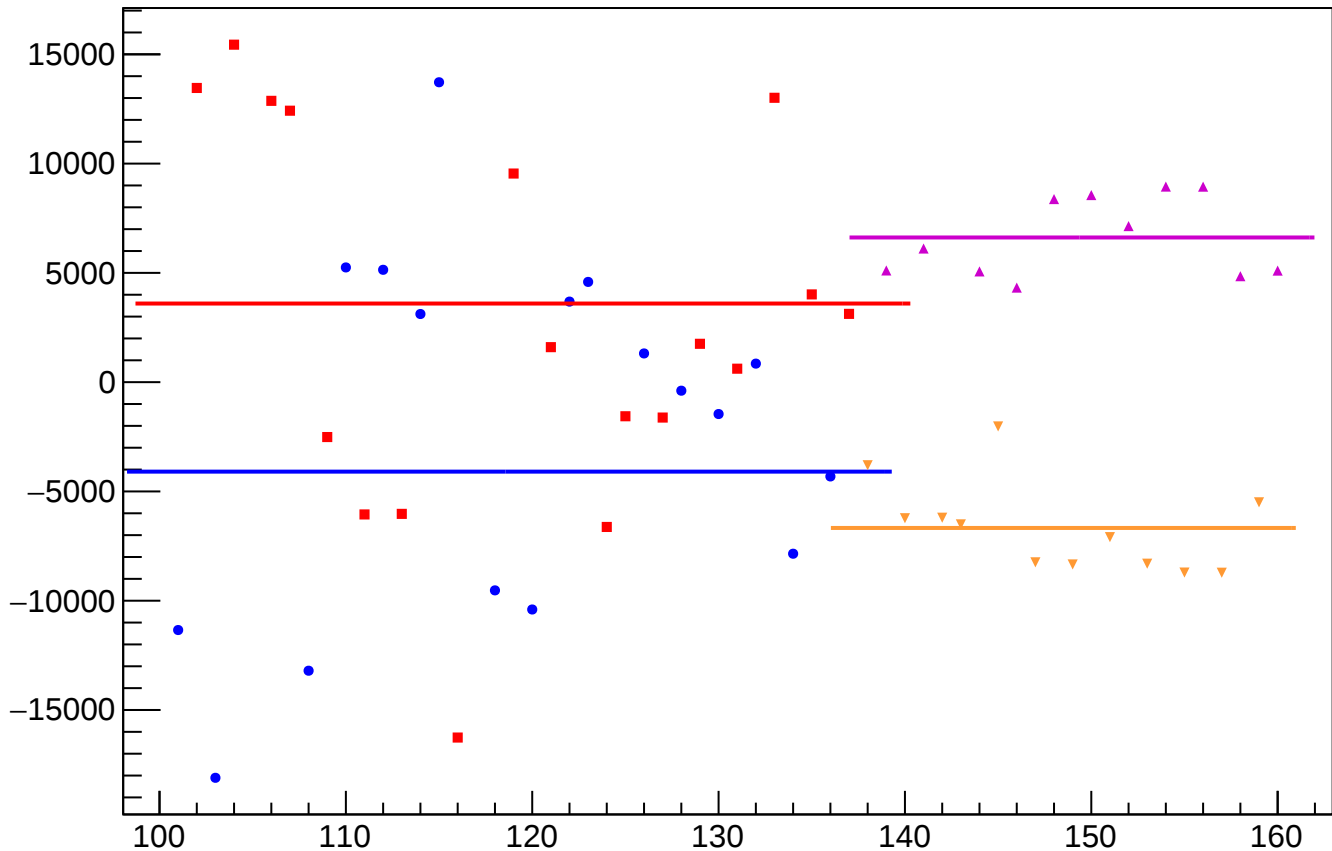
Right In: 552.756 +/- 0.000 χ^2/NDF : 438588904166490483585471990950715719680.0/16
 Left Out: 167.275 +/- 0.000 χ^2/NDF : 3021189019464897046042040078702739456.0/11
 Right Out: -463.044 +/- 0.000 χ^2/NDF : 209305475229629435748794855521804877824.0/17
 Left In: -169.476 +/- 0.000 χ^2/NDF : 4886350669326169514376198750149279744.0/10
 All: 14.293 +/- 0.000 χ^2/NDF : 1072717340633

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Left: -45.003 ± 0.000 $\chi^2/\text{NDF}: 2767859757374114$
 Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_sam4_coil6_mean vs Slug, Sign Corrected



Right In: -4093.788 +/- 0.000

Left Out: -6670.950 +/- 0.000

Right Out: 3597.313 +/- 0.000

Left In: 6619.709 +/- 0.000

χ^2/NDF : 38878868284472308051396307871868318121984.0/16

χ^2/NDF : 3774906693530884073018019224850138136576.0/11

χ^2/NDF : 48617231317968827835072936626093341802496.0/17

χ^2/NDF : 2843164619719300530559319168458248159232.0/10

Left: 60.964 +/- 0.000 χ^2/NDF : 87947728718385241

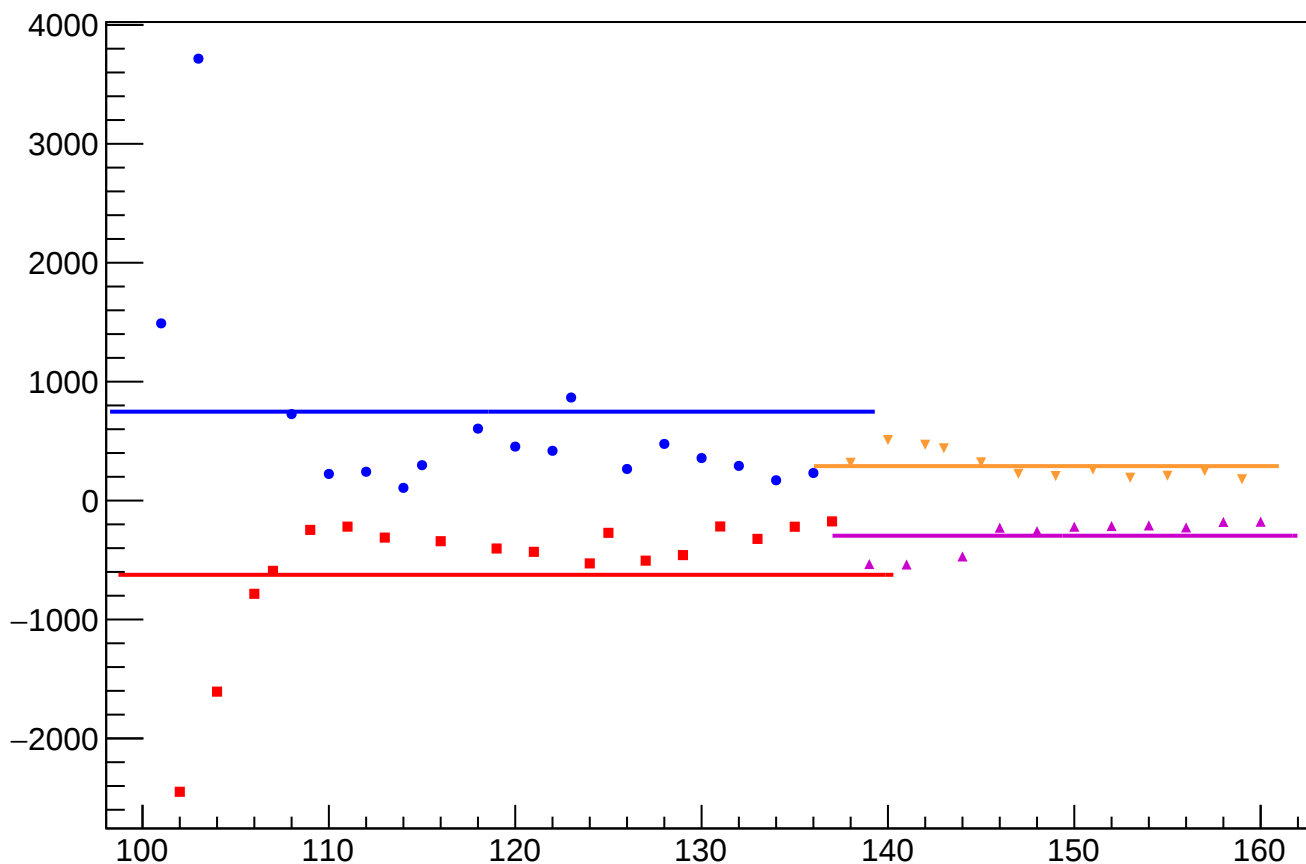
Right: -190.923 +/- 0.000 χ^2/NDF : 10832812445866

In: 2049.846 +/- 0.000 χ^2/NDF : 8740097605988358

Out: -2150.132 +/- 0.000 χ^2/NDF : 94588776360952

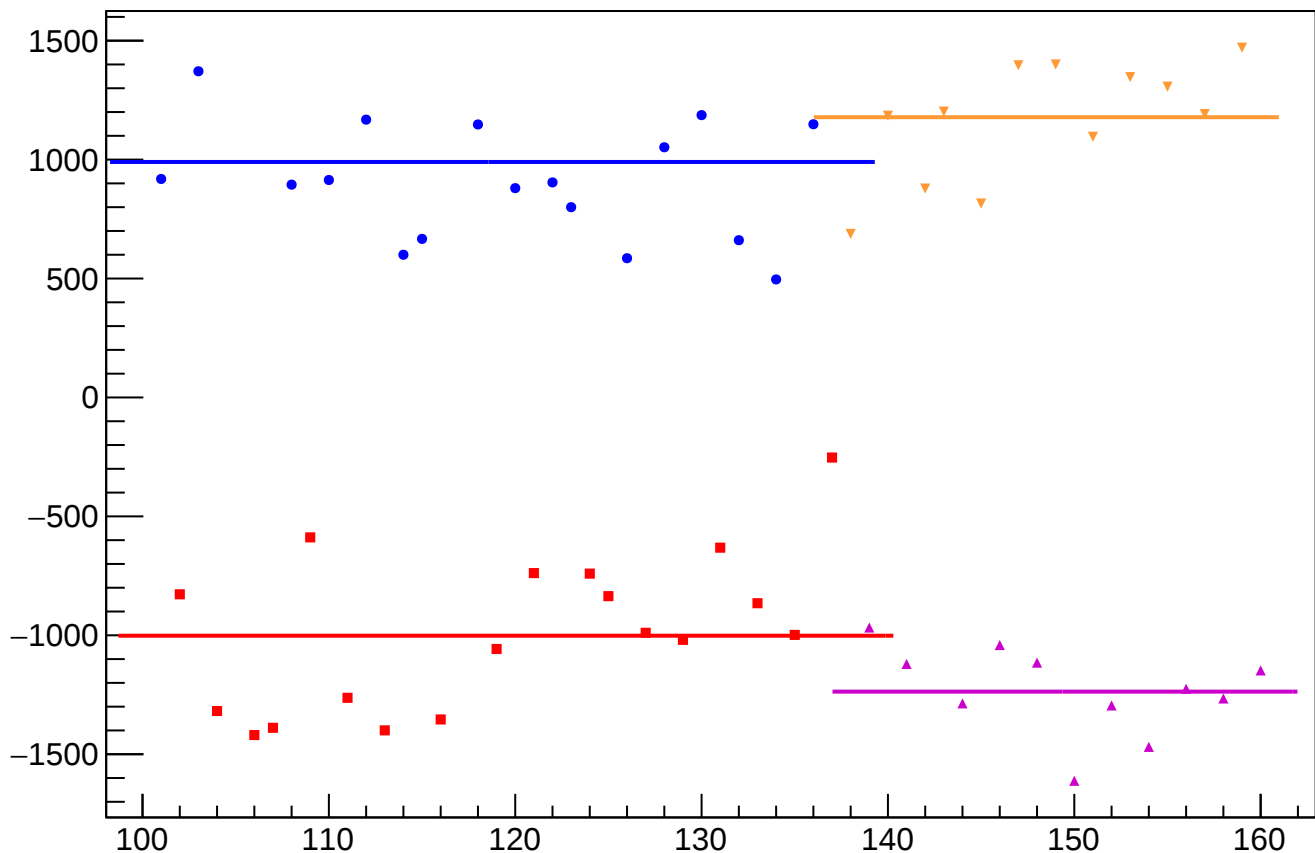
All: -48.205 +/- 0.000 χ^2/NDF : 196326504713

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



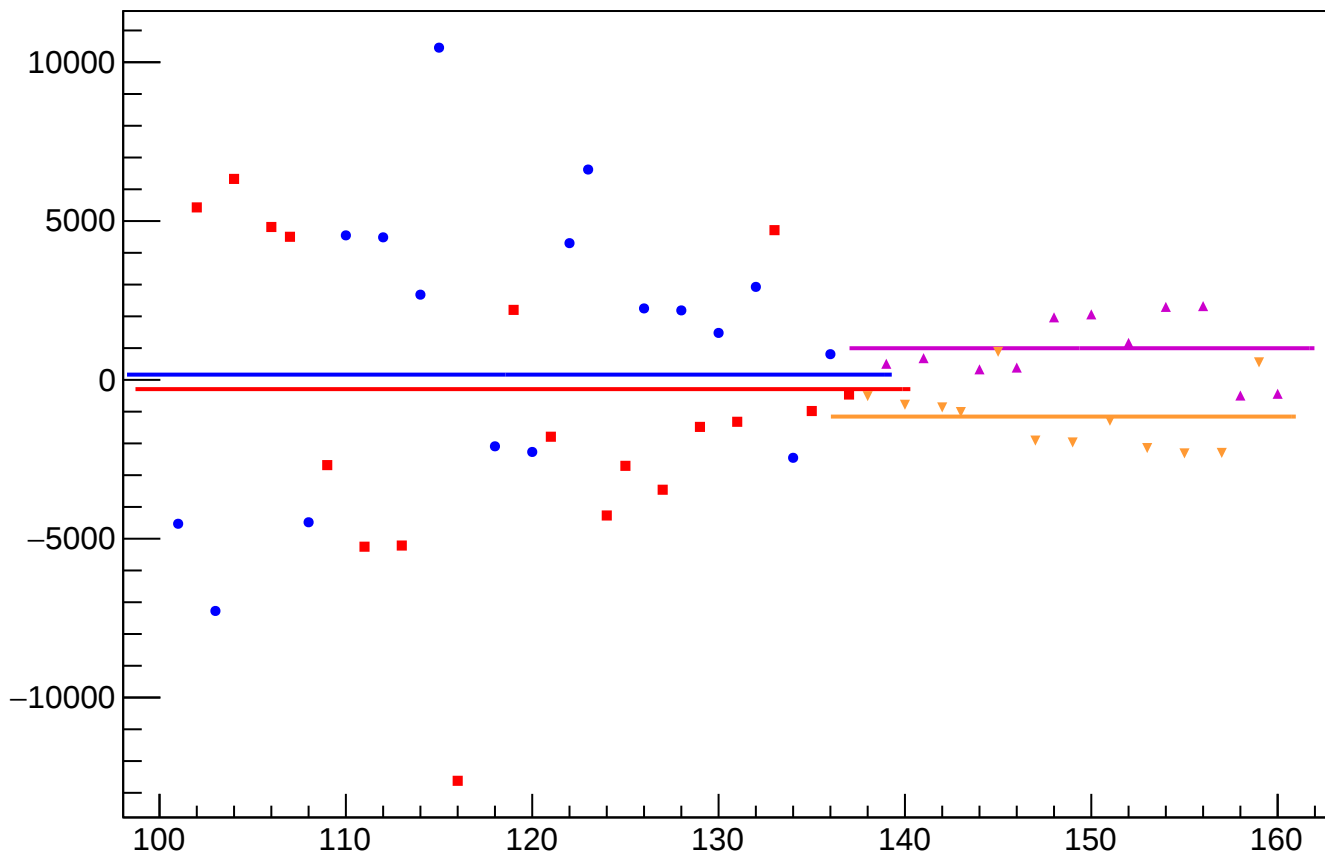
Right In: 747.700+/-0.000 χ^2/NDF : 65093293799436921921443577270989717504.0/16
 Left: -6.654+/-0.000 χ^2/NDF : 18537318178632495
 Right: 51.514+/-0.000 χ^2/NDF : 1610024298269764
 Left Out: 289.811+/-0.000 χ^2/NDF : 10481549601194900606923730784744374272.0/11
 In: 149.483+/-0.000 χ^2/NDF : 1101187238753335
 Right Out: -624.223+/-0.000 χ^2/NDF : 296243096292052743688943276873819881472.0/17
 Out: -112.612+/-0.000 χ^2/NDF : 641080659444480
 Left In: -295.493+/-0.000 χ^2/NDF : 1716013314092655155362591865869172736.0/10
 All: 18.557+/-0.000 χ^2/NDF : 1798098672103

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



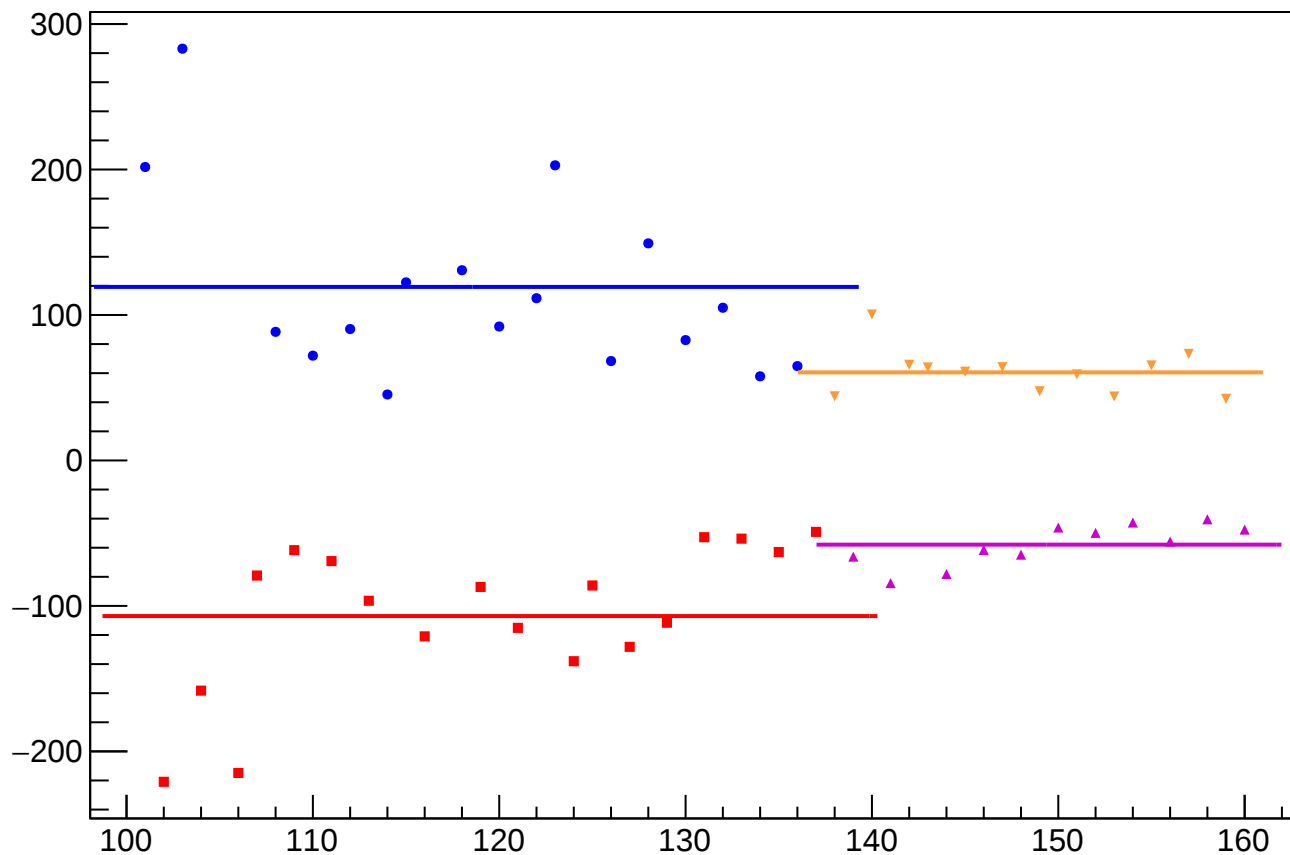
Left: -45.003 ± 0.000 $\chi^2/\text{NDF}: 2767859757374114$
 Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 In: -286.905 ± 0.000 $\chi^2/\text{NDF}: 2040776092386221$
 Out: 218.490 ± 0.000 $\chi^2/\text{NDF}: 2015349576700865$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_sam5_coil6_mean vs Slug, Sign Corrected



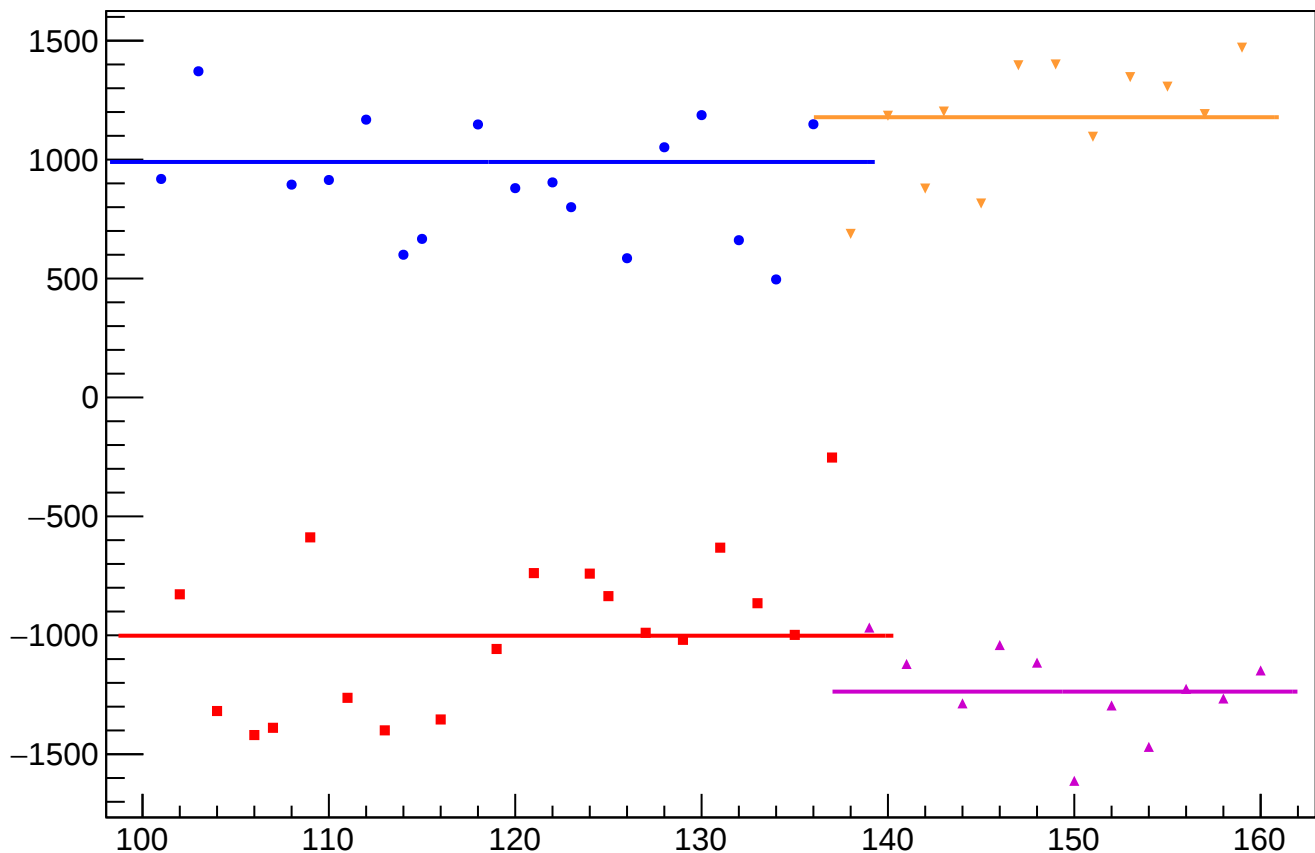
Left: -65.399+/-0.000 χ^2/NDF : 4052242342768762
 Right: -66.136+/-0.000 χ^2/NDF : 254044320443821
 Left In: 165.547+/-0.000 χ^2/NDF : 10658450336306933403777351351390508679168.0/16
 Left Out: -1155.357+/-0.000 χ^2/NDF : 995504747952866911387640526565778915328.0/11
 Right In: 642.067+/-0.000 χ^2/NDF : 11857976732565089
 Right Out: -291.015+/-0.000 χ^2/NDF : 14672571981967891714112032575724497928192.0/17
 Out: -774.812+/-0.000 χ^2/NDF : 159670656453748
 Left In: 996.521+/-0.000 χ^2/NDF : 924719212965830410136097105357987381248.0/10
 All: -65.719+/-0.000 χ^2/NDF : 294566748207

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



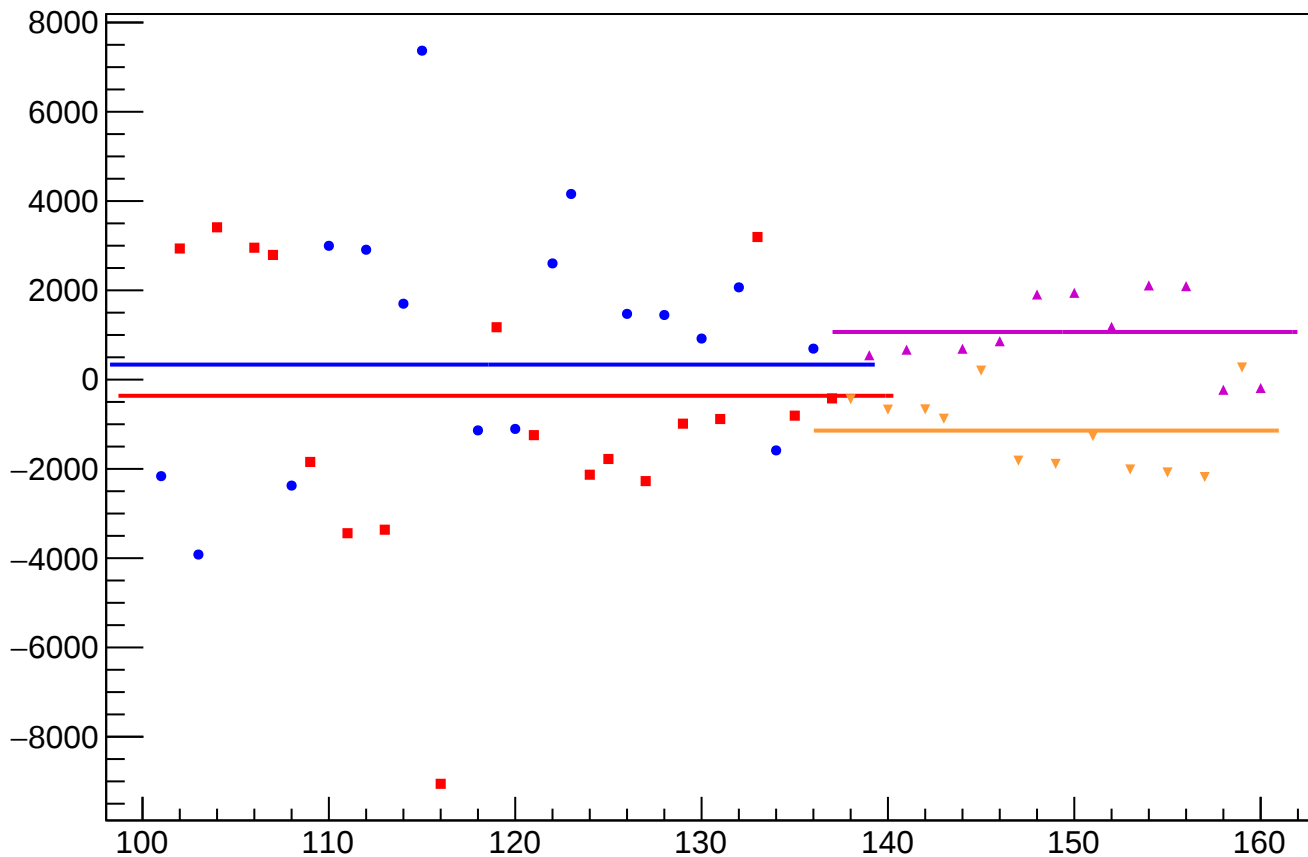
Right In: 119.288+/-0.000 χ^2/NDF : 2842654207411905514935251828991852544.0/16
 Left Out: 60.571+/-0.000 χ^2/NDF : 231982084385304468307819992004427776.0/11
 Right Out: -106.986+/-0.000 χ^2/NDF : 1915046958698396013008025410372370432.0/17
 Left In: -57.892+/-0.000 χ^2/NDF : 178748203070353408993612338219188224.0/10
 All: 2.257+/-0.000 χ^2/NDF : 29672950816930

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Left: -45.003 ± 0.000 $\chi^2/\text{NDF}: 2767859757374114$
 Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 In: -286.905 ± 0.000 $\chi^2/\text{NDF}: 2040776092386221$
 Out: 218.490 ± 0.000 $\chi^2/\text{NDF}: 2015349576700865$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_sam6_coil6_mean vs Slug, Sign Corrected



Right In: 336.537 +/- 0.000

χ^2/NDF : 3711385432707324073014239747985928880128.0/16

Left: -22.881 +/- 0.000

χ^2/NDF : 3546400911040833

Right: -17.963 +/- 0.000

χ^2/NDF : 985003998805048

Left Out: -1141.700 +/- 0.000

χ^2/NDF : 670526328034965940264034289134346436608.0/11

In: 755.511 +/- 0.000

χ^2/NDF : 45532764770089148

Right Out: -362.052 +/- 0.000

χ^2/NDF : 5966784958004941474881704867040847724544.0/17

Out: -798.444 +/- 0.000

χ^2/NDF : 688057690299811

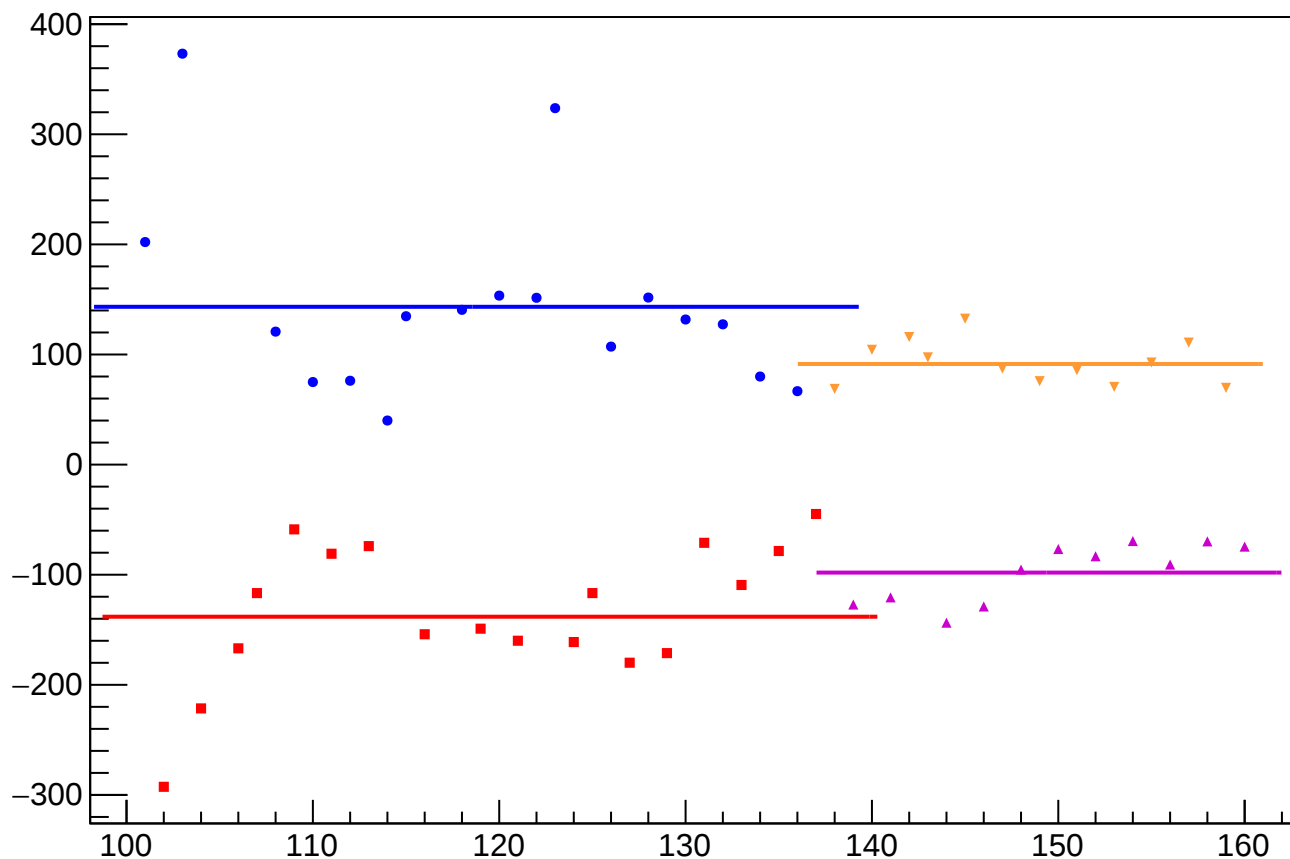
Left In: 1067.159 +/- 0.000

χ^2/NDF : 629450133544261438998185081673399402496.0/10

All: -20.750 +/- 0.000

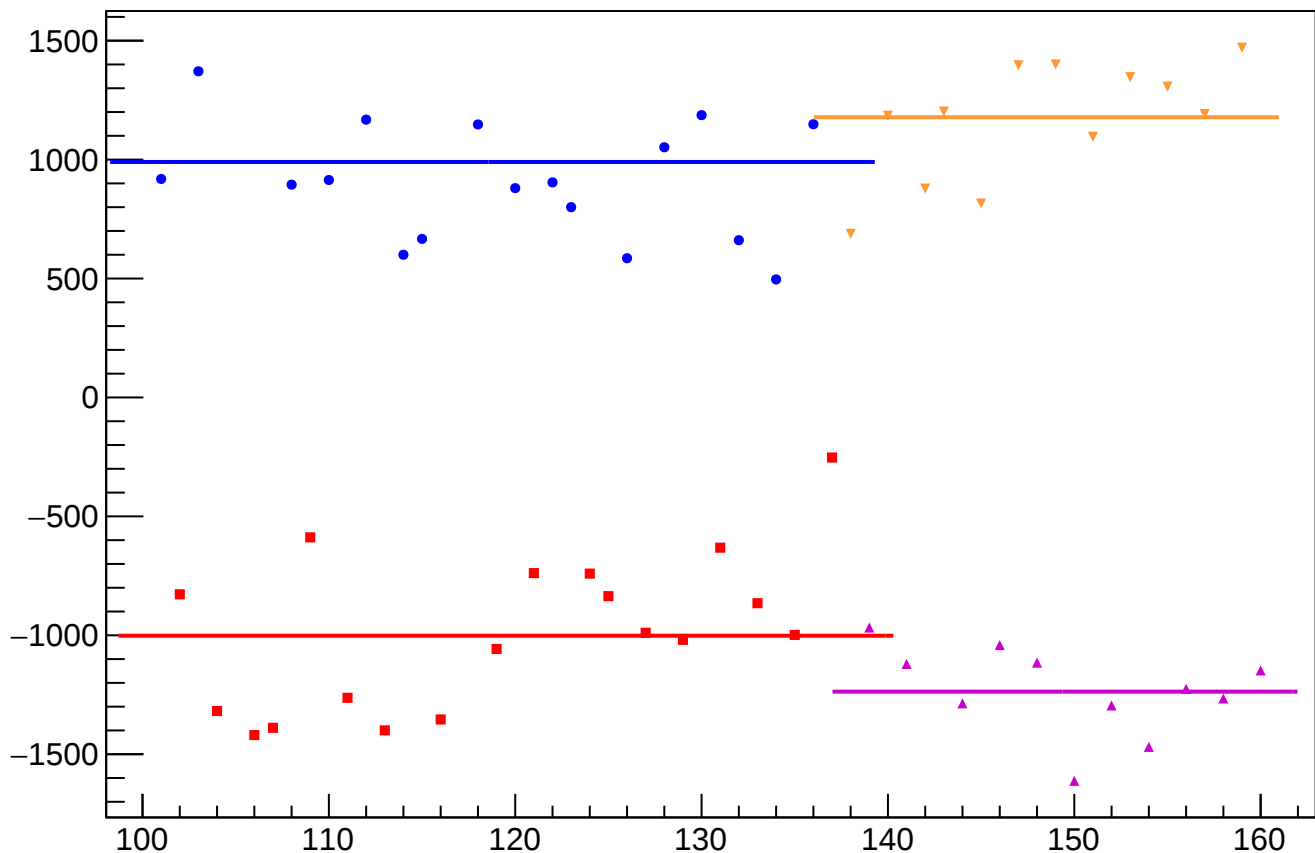
χ^2/NDF : 133964602028

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



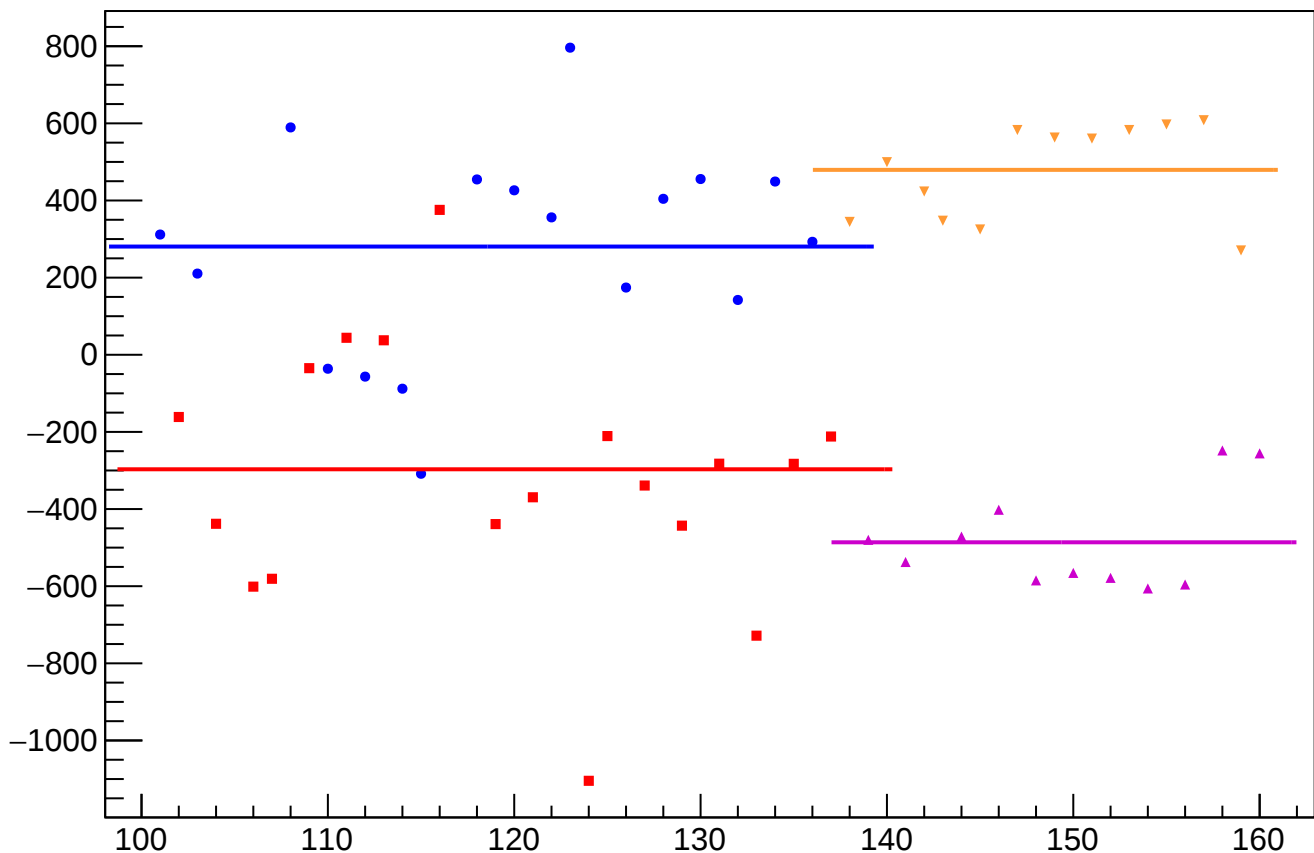
Left: -4.578 ± 0.000 $\chi^2/\text{NDF}: 17491553259507675$
 Right In: 143.327 ± 0.000 $\chi^2/\text{NDF}: 4671526487507242419296658853814337536.0/16$
 Left Out: 91.381 ± 0.000 $\chi^2/\text{NDF}: 342224682721014507534258785086341120.0/11$
 Right Out: -138.133 ± 0.000 $\chi^2/\text{NDF}: 3152322250150098804756661412355375104.0/17$
 Left In: -98.068 ± 0.000 $\chi^2/\text{NDF}: 624217570941141558165697948106620928.0/10$
 All: -2.377 ± 0.000 $\chi^2/\text{NDF}: 5323496357717$

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



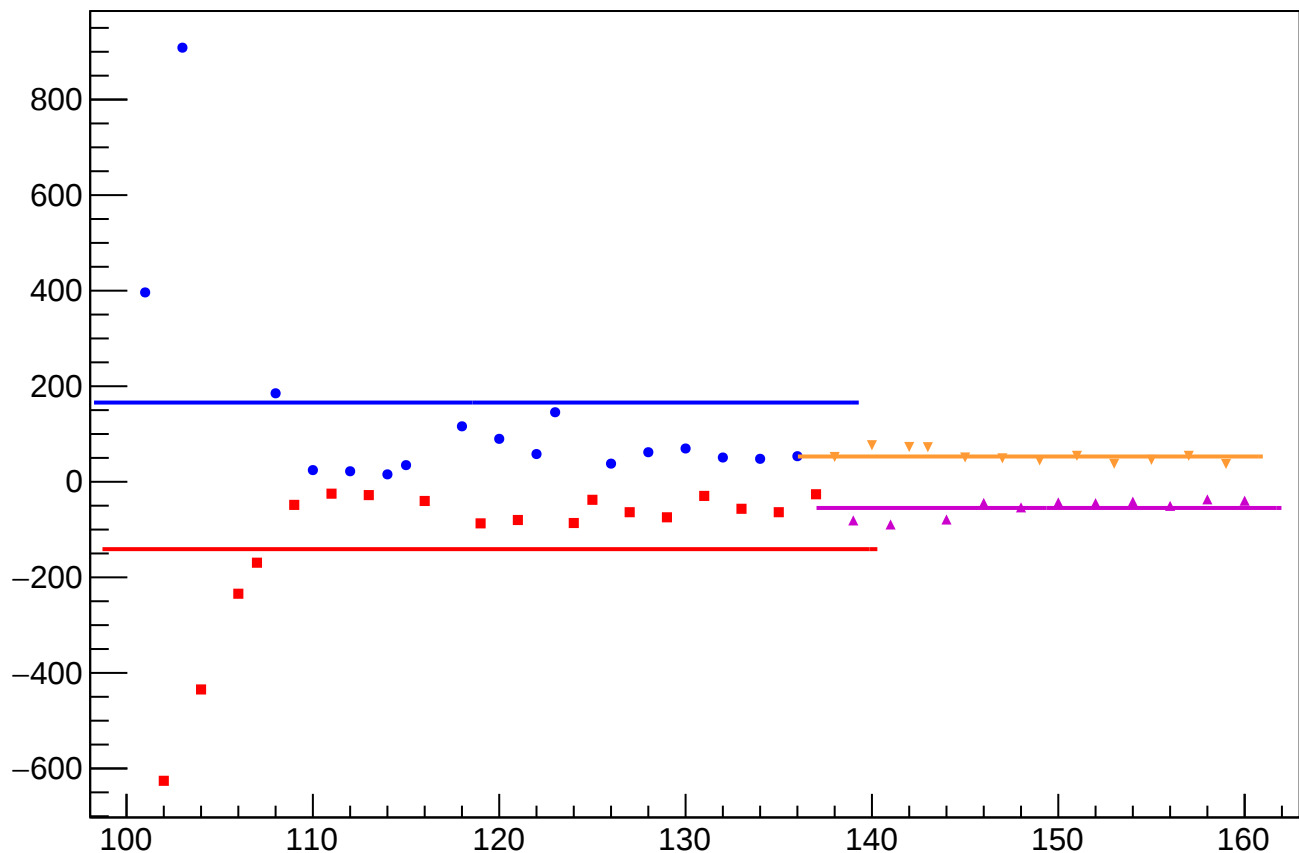
Left: -45.003 ± 0.000 $\chi^2/\text{NDF}: 2767859757374114$
 Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Right: -20.633 ± 0.000 $\chi^2/\text{NDF}: 149538797073234$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 In: -286.905 ± 0.000 $\chi^2/\text{NDF}: 2040776092386221$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 Out: 218.490 ± 0.000 $\chi^2/\text{NDF}: 2015349576700865$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_sam7_coil6_mean vs Slug, Sign Corrected



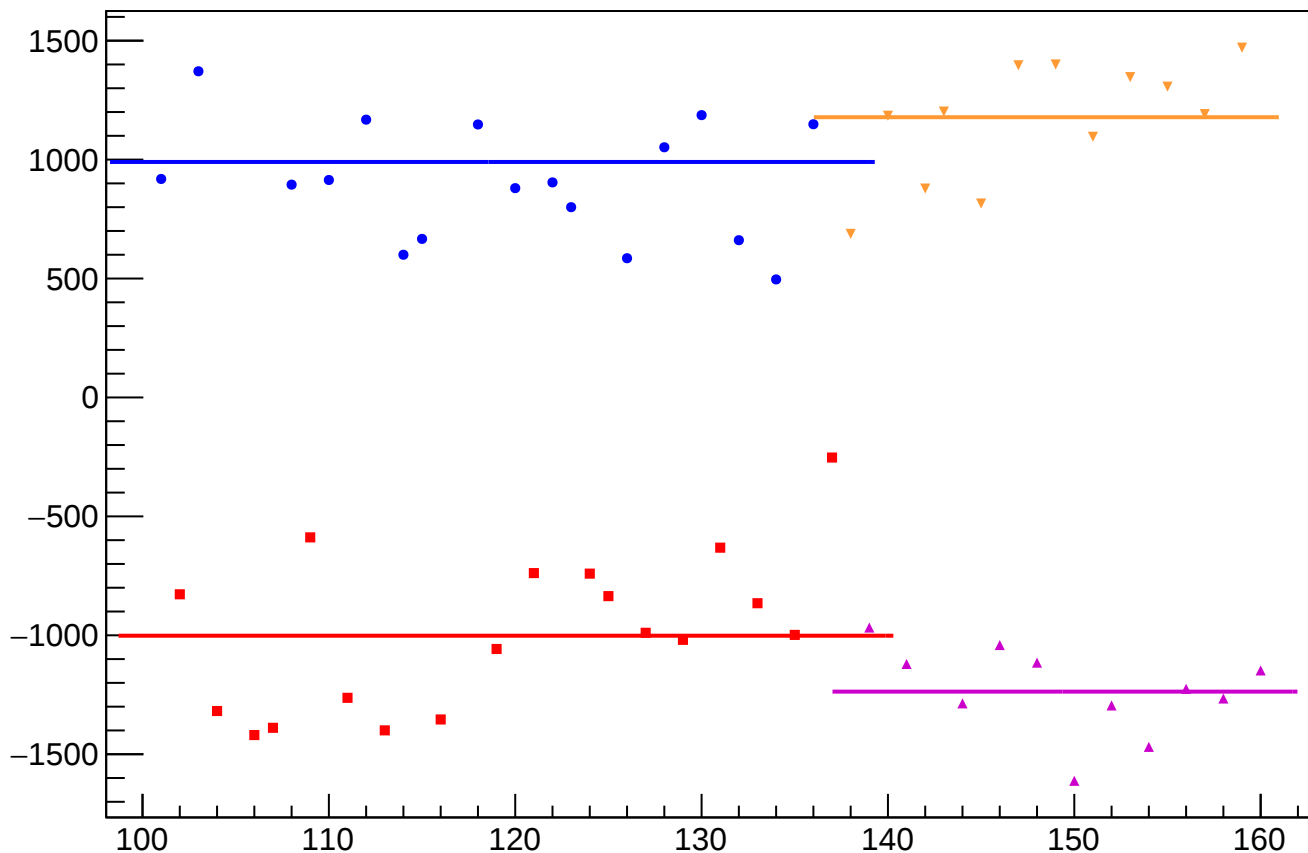
Right In: 280.587 +/- 0.000 χ^2/NDF : 26873653578381248944514799501999865856.0/16
 Left Out: 479.418 +/- 0.000 χ^2/NDF : 13285124498180385816264889724787752960.0/11
 Right Out: -296.905 +/- 0.000 χ^2/NDF : 53152105752477344290303829793952497664.0/17
 Left In: -486.206 +/- 0.000 χ^2/NDF : 14204620343976110093613729776425500672.0/10
 All: -10.889 +/- 0.000 χ^2/NDF : 654280499150

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



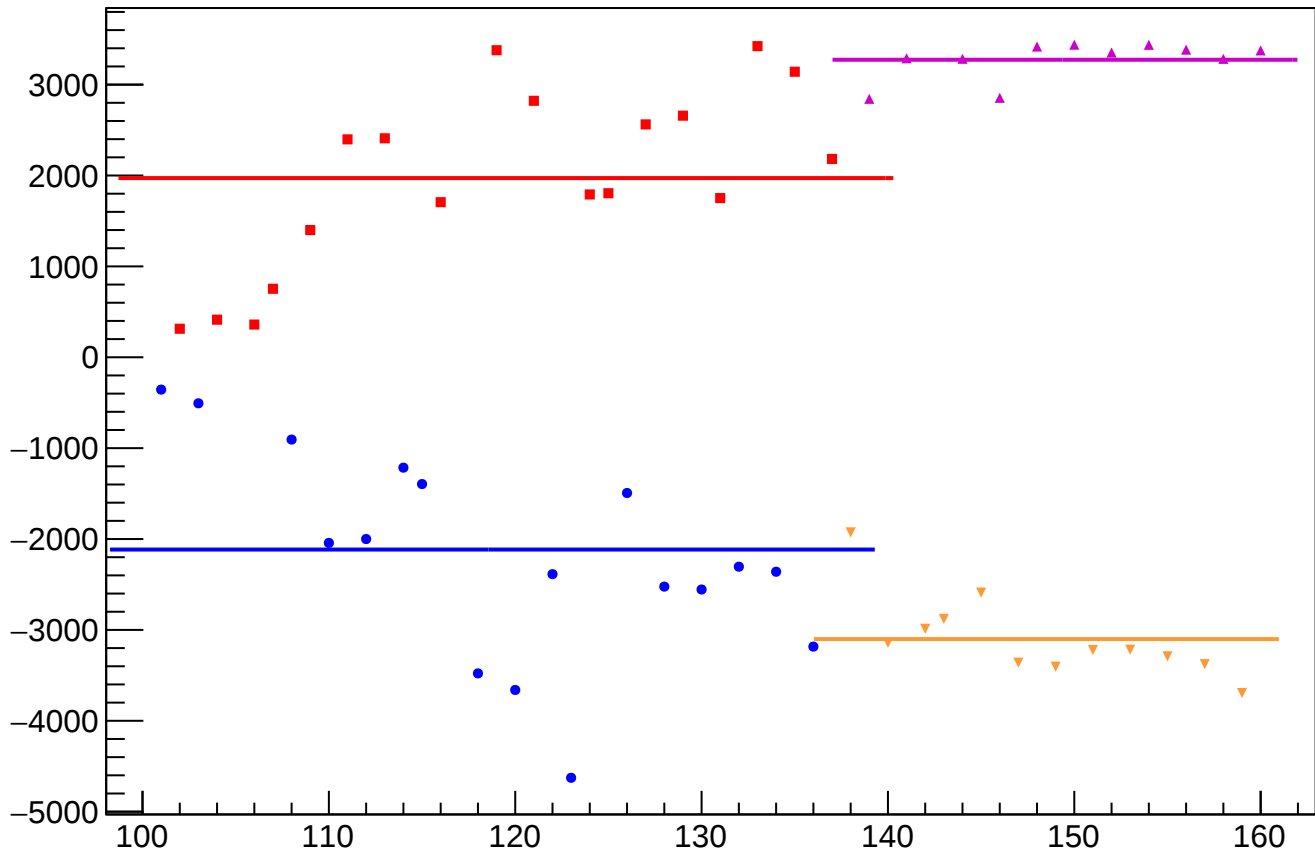
Left: -1.606 ± 0.000 $\chi^2/\text{NDF}: 57827567098124295$
 Right In: 165.841 ± 0.000 $\chi^2/\text{NDF}: 42388910284637758892134233675562745856.0/16$
 Right: 10.146 ± 0.000 $\chi^2/\text{NDF}: 9821617631078692$
 Left Out: 52.946 ± 0.000 $\chi^2/\text{NDF}: 140060109724135025714892303400697856.0/11$
 In: 39.341 ± 0.000 $\chi^2/\text{NDF}: 62057297470429168$
 Right Out: -140.976 ± 0.000 $\chi^2/\text{NDF}: 22674964646016742017185923250652184576.0/17$
 Out: -32.433 ± 0.000 $\chi^2/\text{NDF}: 3786506653081306$
 Left In: -54.754 ± 0.000 $\chi^2/\text{NDF}: 302128520341219592884404395924520960.0/10$
 All: 3.487 ± 0.000 $\chi^2/\text{NDF}: 10410918738186$

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Left: -45.003+/-0.000 χ^2/NDF : 2767859757374114
 Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Right: -20.633+/-0.000 χ^2/NDF : 149538797073234
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 In: -286.905+/-0.000 χ^2/NDF : 2040776092386221
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Out: 218.490+/-0.000 χ^2/NDF : 2015349576700865
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2115.686+/-0.000

Left Out: -3100.691+/-0.000

Right Out: 1971.716+/-0.000

Left In: 3273.761+/-0.000

χ^2/NDF : 754451931643030128758883529777223827456.0/16

χ^2/NDF : 183916401222864919809075393490919096320.0/11

χ^2/NDF : 778865201263461024769541360998730956800.0/17

χ^2/NDF : 38674829040753317782722595133075750912.0/10

Left: 128.062+/-0.000 χ^2/NDF : 1893120264255816

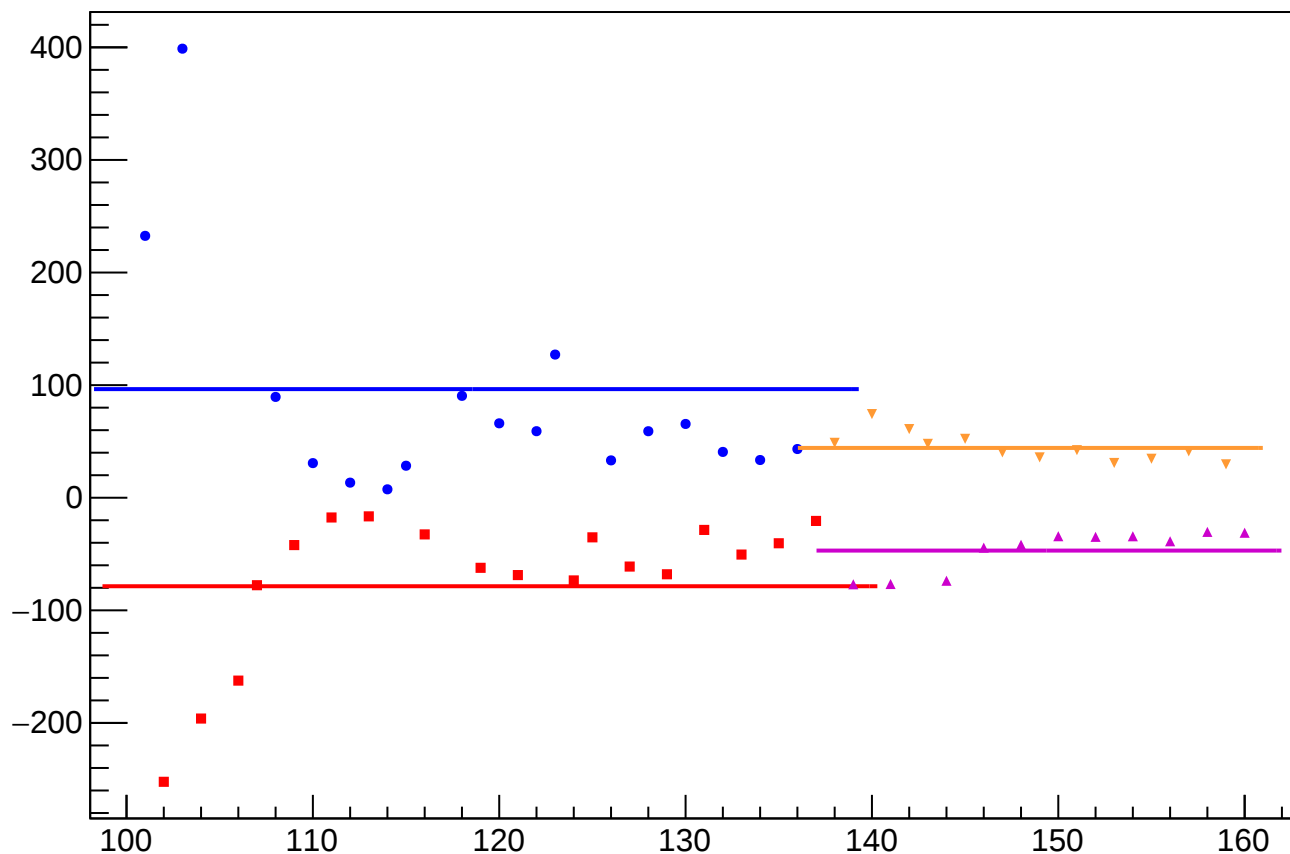
Right: -41.525+/-0.000 χ^2/NDF : 741699927533891

In: 974.882+/-0.000 χ^2/NDF : 12352701801600156

Out: -867.457+/-0.000 χ^2/NDF : 112598146486417

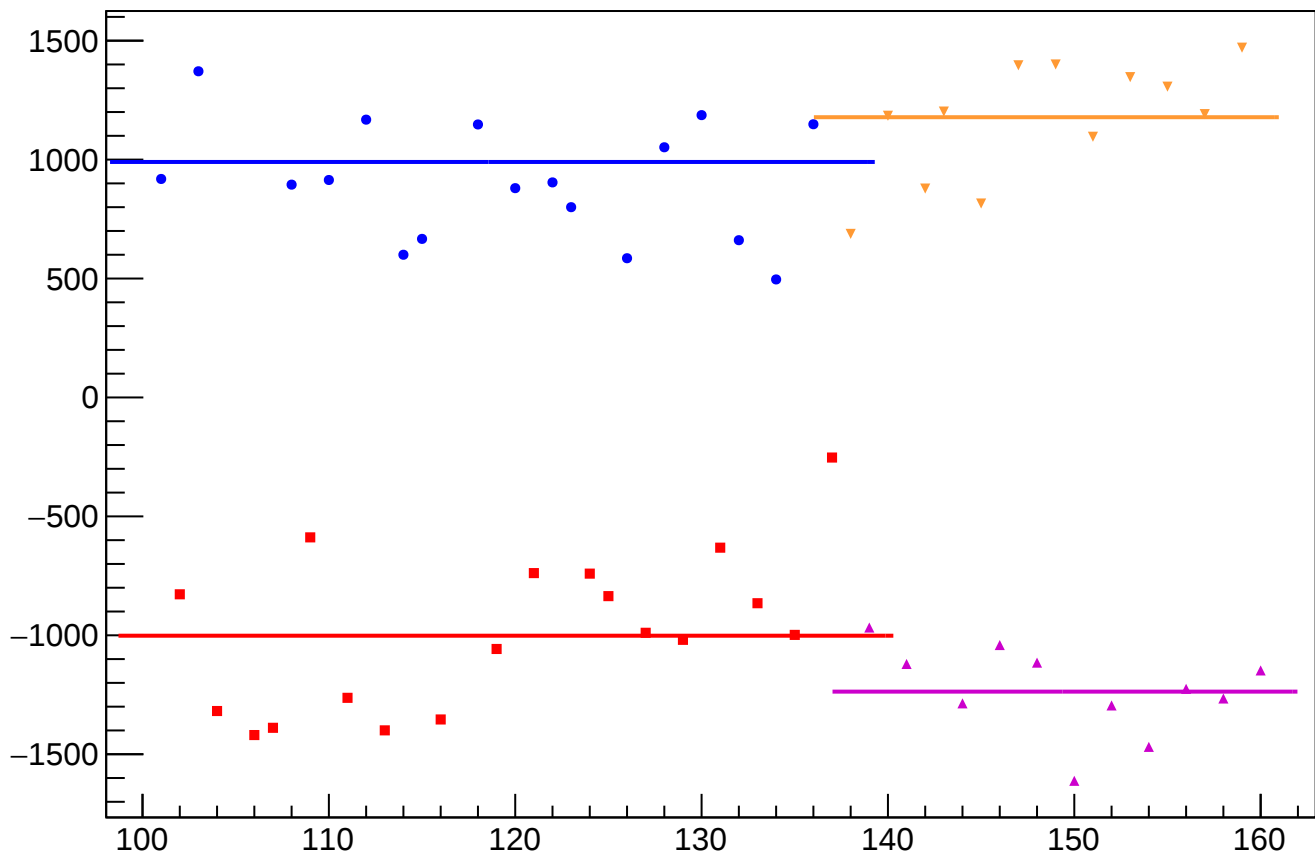
All: 54.562+/-0.000 χ^2/NDF : 2637116183170

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



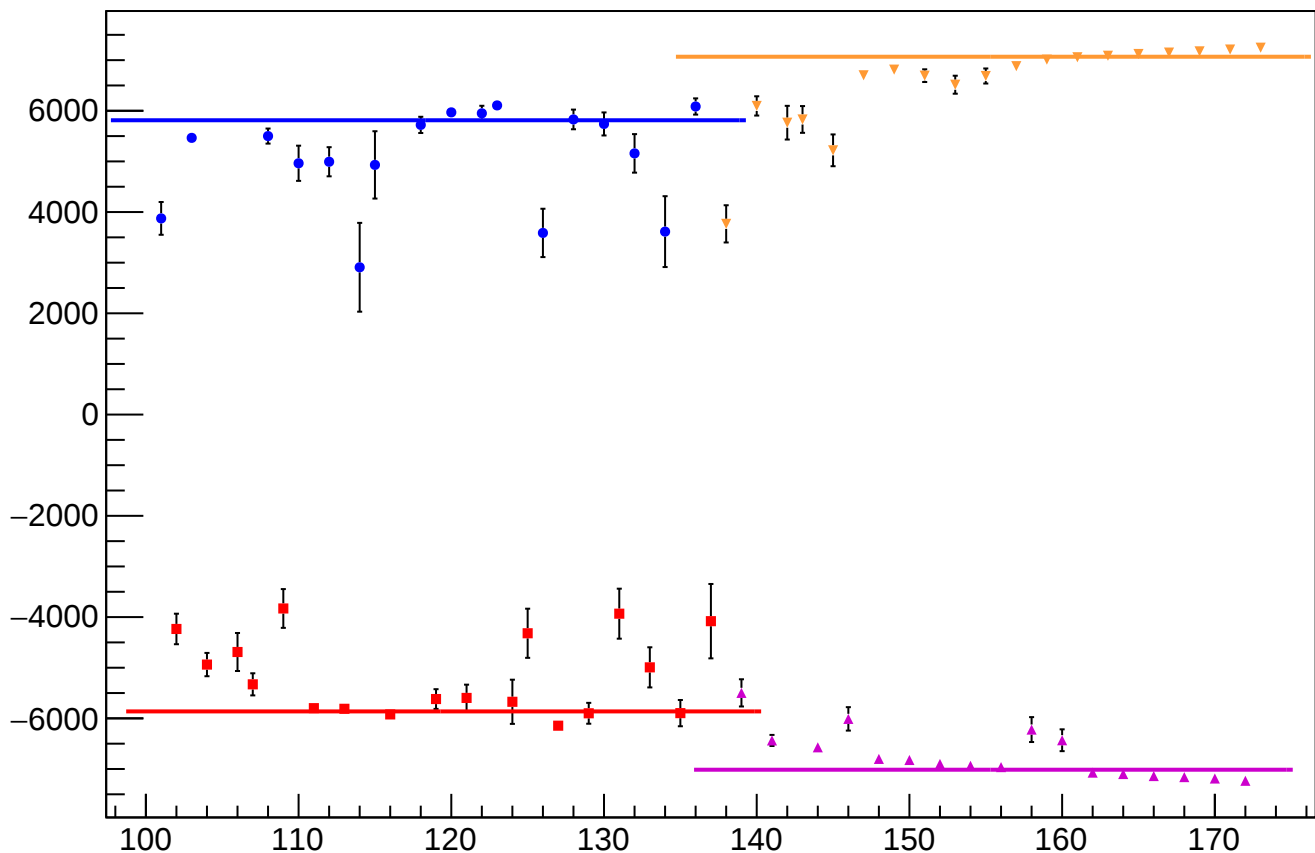
Right In: 96.465+/-0.000 χ^2/NDF : 7977727256930133620372701565161570304.0/16
 Left Out: 44.236+/-0.000 χ^2/NDF : 142258955441054075250551696151019520.0/11
 Right Out: -78.600+/-0.000 χ^2/NDF : 3499001556563234508710770672385654784.0/17
 Left In: -46.934+/-0.000 χ^2/NDF : 304947612143078258069151469537329152.0/10
 All: 2.205+/-0.000 χ^2/NDF : 26617277568186

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Left: -45.003 ± 0.000 $\chi^2/\text{NDF}: 2767859757374114$
 Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Right: -20.633 ± 0.000 $\chi^2/\text{NDF}: 149538797073234$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 In: -286.905 ± 0.000 $\chi^2/\text{NDF}: 2040776092386221$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 Out: 218.490 ± 0.000 $\chi^2/\text{NDF}: 2015349576700865$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_run_mean vs Slug, Sign Corrected



Right In: 5812.740 $\pm$ 0.171 χ^2 /NDF: 2217854.6/16

Left Out: 7067.553 $\pm$ 0.143 χ^2 /NDF: 1071778.0/18

Right Out: -5862.788 $\pm$ 0.139 χ^2 /NDF: 199291.9/17

Left In: -7014.543 $\pm$ 0.122 χ^2 /NDF: 1510058.6/16

Left: -1067.820 $\pm$ 0.093 χ^2 /NDF: 5596543867.2/35

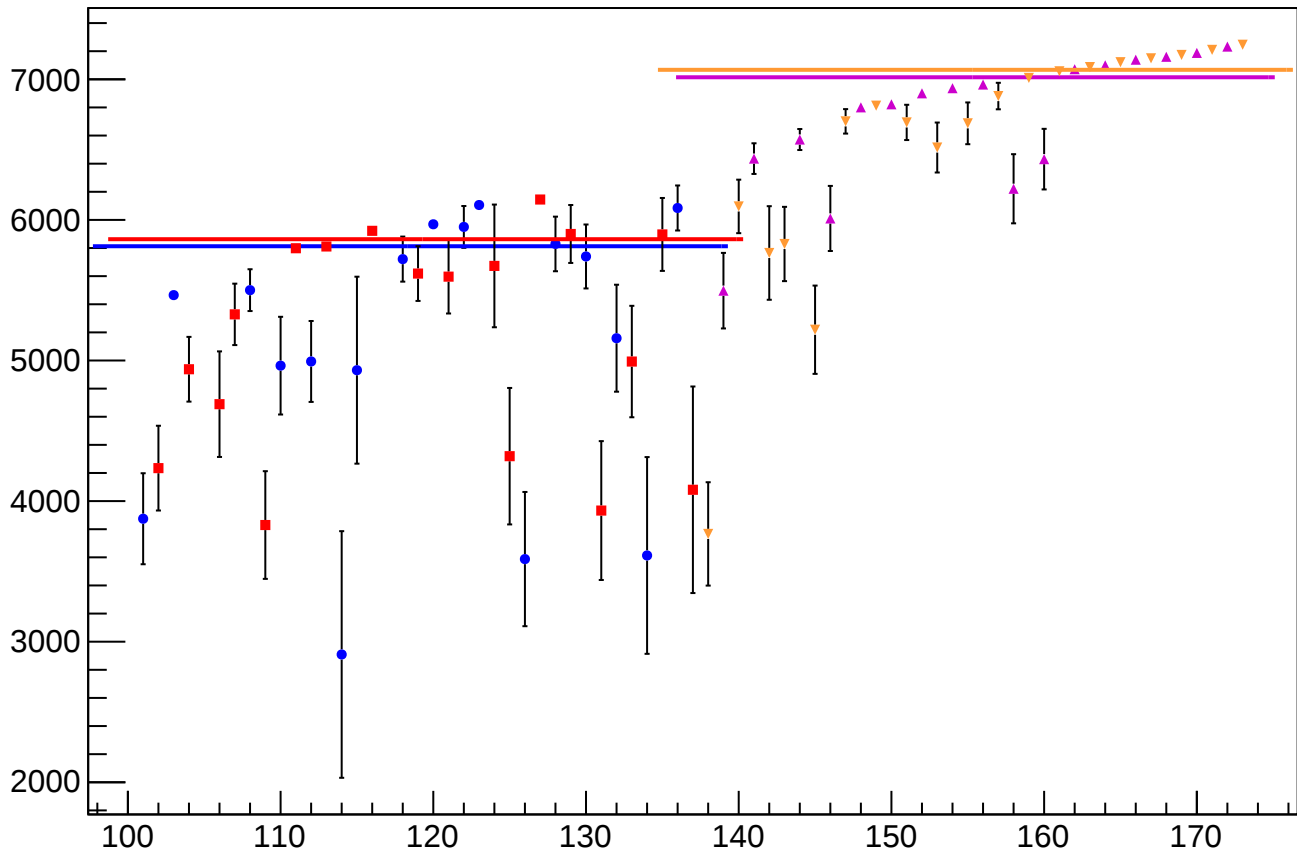
Right: -1193.446 $\pm$ 0.108 χ^2 /NDF: 2813995894.0/3

In: -2656.695 $\pm$ 0.099 χ^2 /NDF: 3737787278.3/33

Out: 425.698 $\pm$ 0.100 χ^2 /NDF: 4194746487.8/36

All: -1121.383 $\pm$ 0.070 χ^2 /NDF: 8411317809

dit_run_rms vs Slug, Sign Corrected



Right In: 5812.740 ± 0.171 $\chi^2/\text{NDF}: 2217854.6/16$

Left Out: 7067.553 ± 0.143 $\chi^2/\text{NDF}: 1071778.0/18$

Right Out: 5862.788 ± 0.139 $\chi^2/\text{NDF}: 199291.9/17$

Left In: 7014.543 ± 0.122 $\chi^2/\text{NDF}: 1510058.6/16$

Left: 7036.929 ± 0.093 $\chi^2/\text{NDF}: 2661104.2/35$

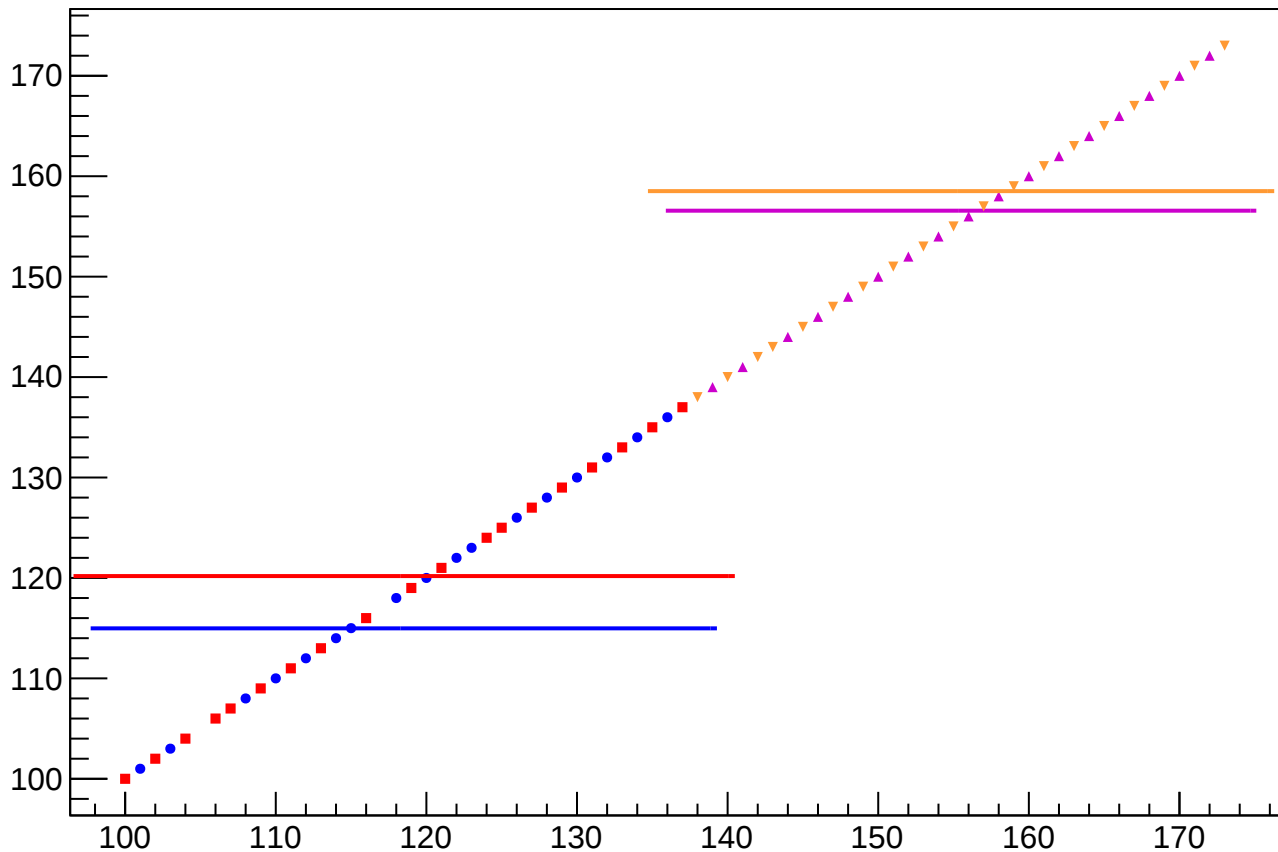
Right: 5842.773 ± 0.108 $\chi^2/\text{NDF}: 2468807.9/34$

In: 6606.251 ± 0.099 $\chi^2/\text{NDF}: 36505613.2/33$

Out: 6448.708 ± 0.100 $\chi^2/\text{NDF}: 37675889.4/36$

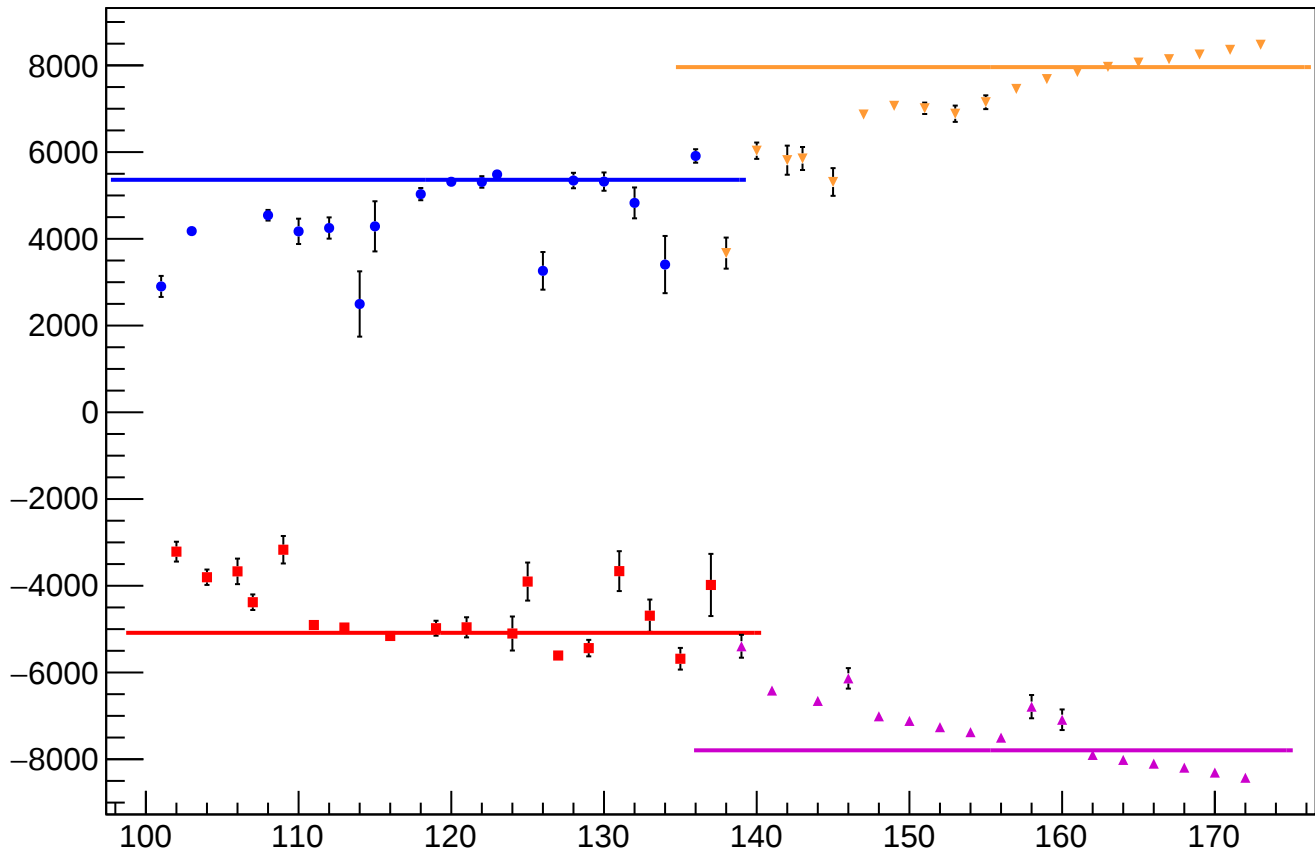
All: 6527.780 ± 0.070 $\chi^2/\text{NDF}: 75432232.0/71$

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980+/-0.000 χ^2/NDF : 112344936246012934714934440230912.0/16
 Left Out: 158.516+/-0.000 χ^2/NDF : 81132188890785263948948767244288.0/18
 Right Out: 120.186+/-0.000 χ^2/NDF : 52233253644261695528198041763840.0/18
 Left In: 156.569+/-0.000 χ^2/NDF : 59526516702376070301054257856512.0/16
 All: 133.783+/-0.000 χ^2/NDF : 200044793052

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 5361.298 $\pm$ 0.441 χ^2 /NDF: 607948.2/16

Left Out: 7959.764 $\pm$ 0.550 χ^2 /NDF: 605859.1/18

Right Out: -5085.163 $\pm$ 0.644 χ^2 /NDF: 80603.0/17

Left In: -7794.547 $\pm$ 0.490 χ^2 /NDF: 979137.8/16

Left: -831.445 $\pm$ 0.366 χ^2 /NDF: 459197997.6/35

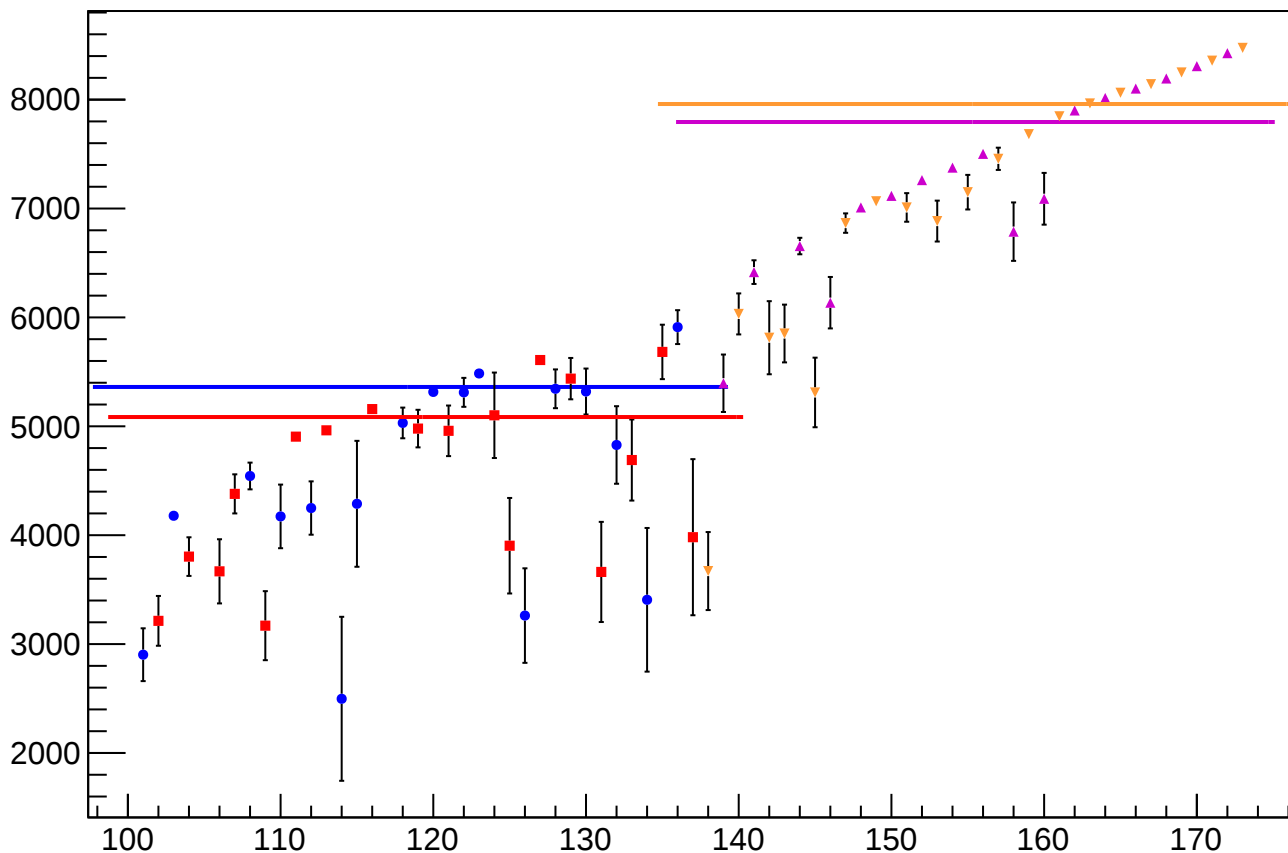
Right: 2021.502 $\pm$ 0.364 χ^2 /NDF: 179839669.6/34

In: -535.719 $\pm$ 0.328 χ^2 /NDF: 399952335.9/33

Out: 2453.709 $\pm$ 0.418 χ^2 /NDF: 238005480.4/36

All: 601.904 $\pm$ 0.258 χ^2 /NDF: 669607467.0/7

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 5361.298 $\pm$ 0.441 χ^2 /NDF: 607948.2/16

Left Out: 7959.764 $\pm$ 0.550 χ^2 /NDF: 605859.1/18

Right Out: 5085.163 $\pm$ 0.644 χ^2 /NDF: 80603.0/17

Left In: 7794.547 $\pm$ 0.490 χ^2 /NDF: 979137.8/16

Left: 7867.570 $\pm$ 0.366 χ^2 /NDF: 1635325.1/35

Right: 5273.016 $\pm$ 0.364 χ^2 /NDF: 813728.5/34

In: 6451.985 $\pm$ 0.328 χ^2 /NDF: 15214608.7/33

Out: 6746.441 $\pm$ 0.418 χ^2 /NDF: 12210497.5/36

All: 6564.040 $\pm$ 0.258 χ^2 /NDF: 27732172.8/71

dit_scandata1_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata1_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_mean vs Slug, Sign Corrected



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

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

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

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

Left: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 0.000+/-0.000 χ^2 /NDF:0.0/0

Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

All: 0.000+/-0.000 χ^2 /NDF: 0.0/0

dit_scandata2_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

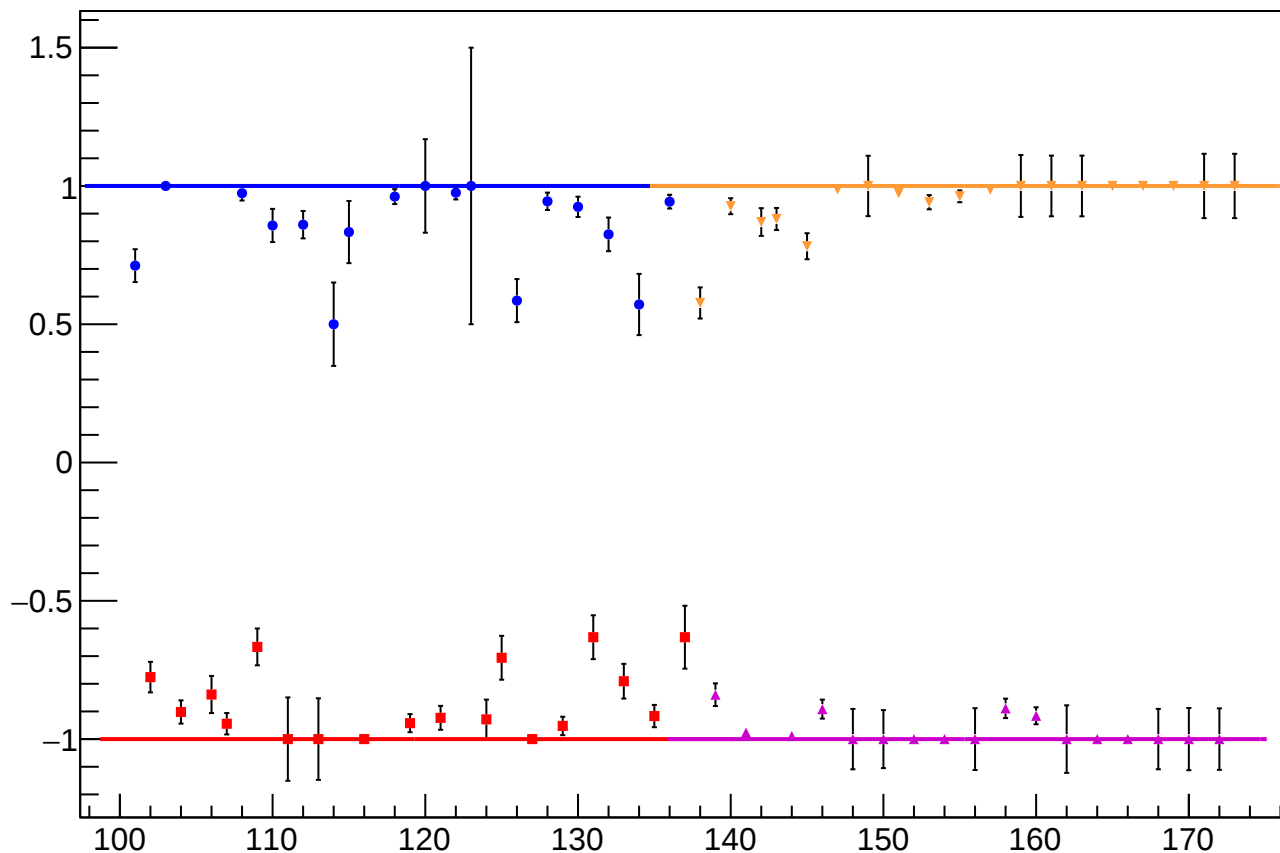
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_flag_mean vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 χ^2/NDF : 118.6/16

Left Out: 1.000 ± 0.000 χ^2/NDF : 171.4/18

Right Out: -1.000 ± 0.000 χ^2/NDF : 192.3/17

Left In: -1.000 ± 0.000 χ^2/NDF : 1081.3/16

Left: -0.232 ± 0.000 χ^2/NDF : 19884905699604819

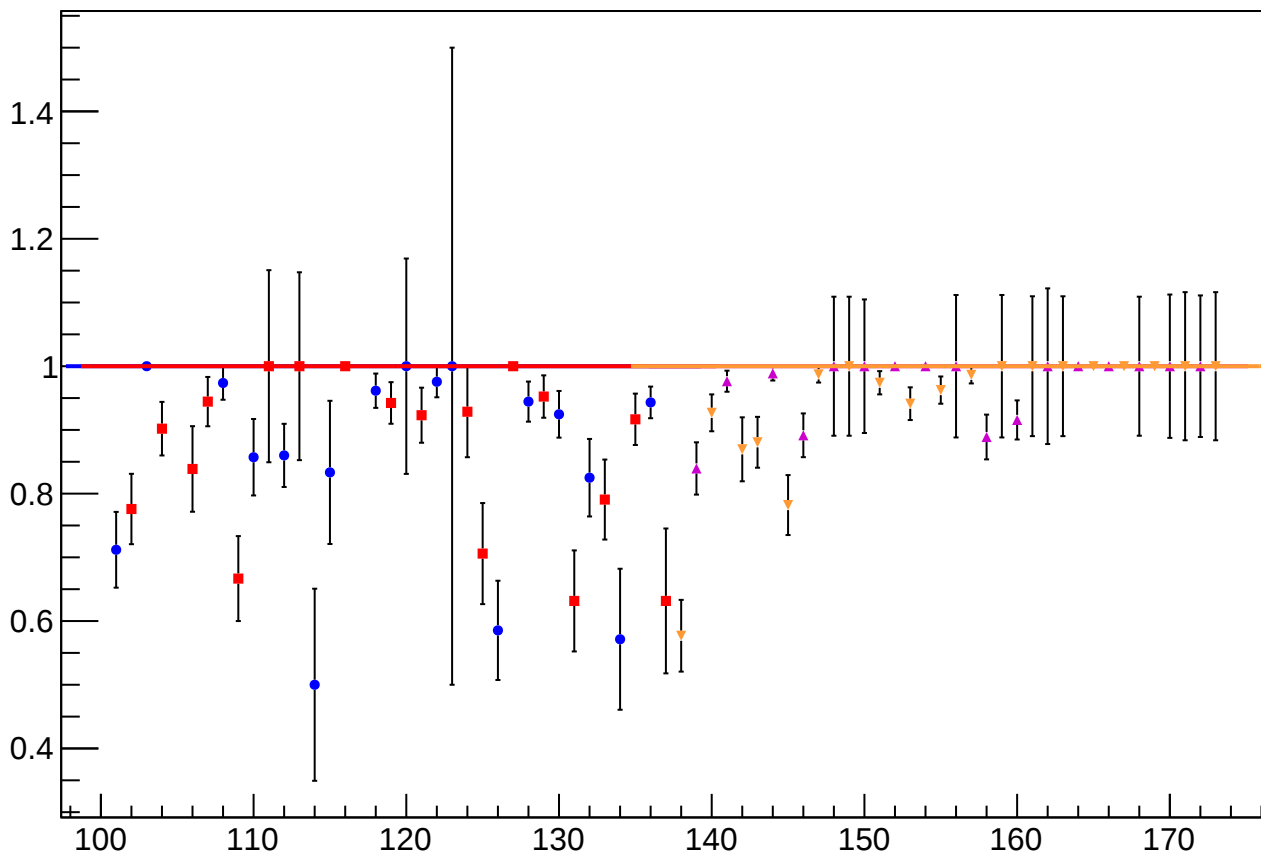
Right: -0.072 ± 0.000 χ^2/NDF : 2522158199033292

In: -0.833 ± 0.000 χ^2/NDF : 431339244237658838

Out: 0.712 ± 0.000 χ^2/NDF : 465247943648150900

All: -0.214 ± 0.000 χ^2/NDF : 2246473398581

dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 χ^2/NDF : 118.6/16

Left Out: 1.000 ± 0.000 χ^2/NDF : 171.4/18

Right Out: 1.000 ± 0.000 χ^2/NDF : 192.3/17

Left In: 1.000 ± 0.000 χ^2/NDF : 1081.3/16

Left: 1.000 ± 0.000 χ^2/NDF : 685.2/35

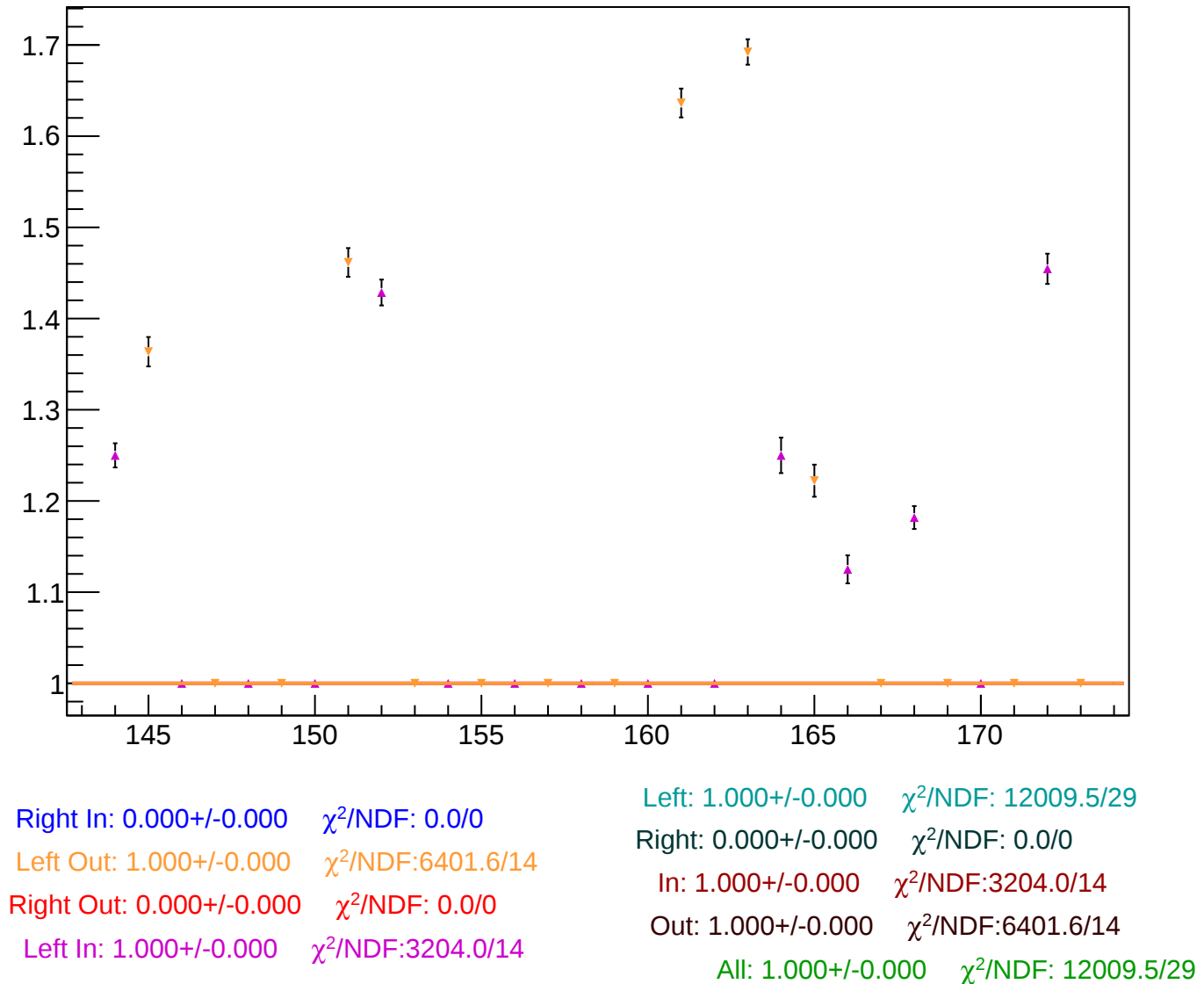
Right: 1.000 ± 0.000 χ^2/NDF : 243.9/34

In: 1.000 ± 0.000 χ^2/NDF : 514.4/33

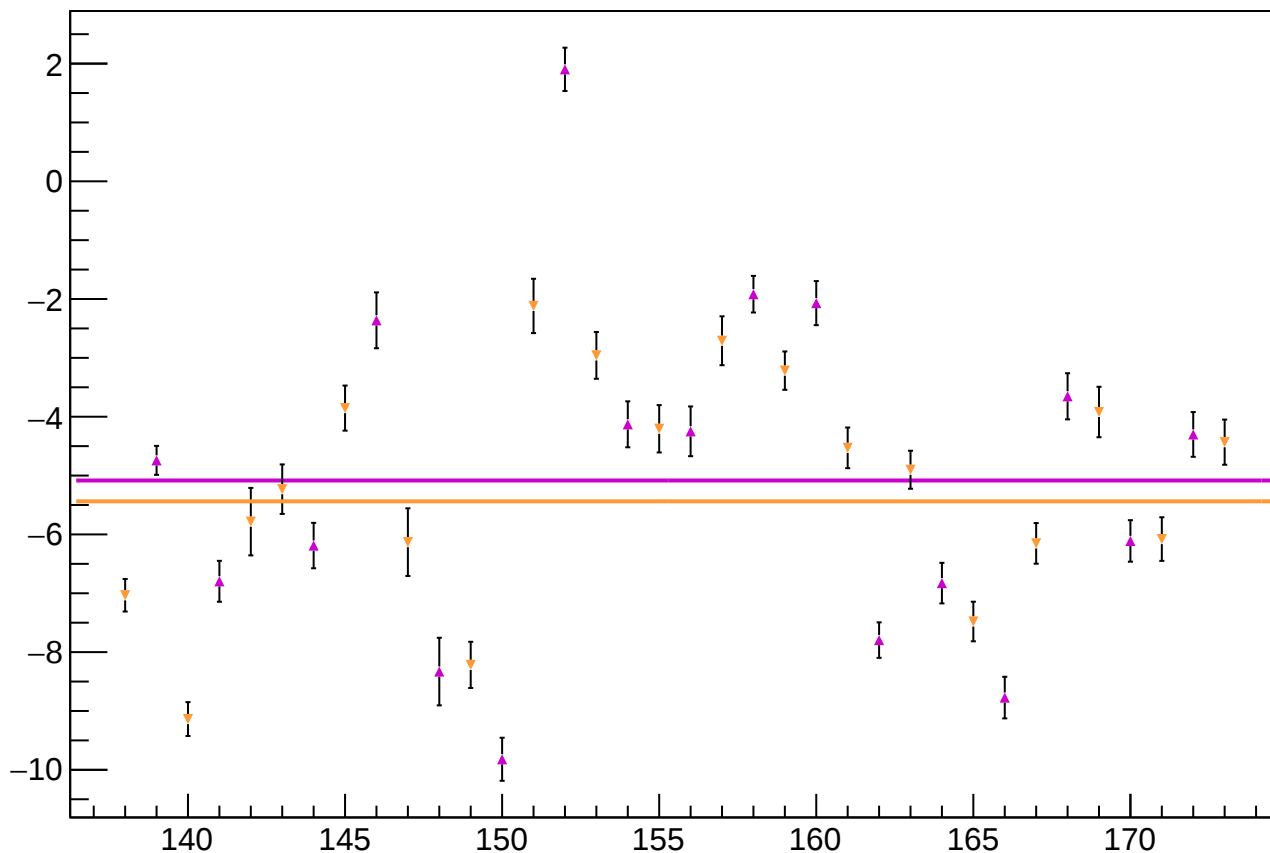
Out: 1.000 ± 0.000 χ^2/NDF : 525.7/36

All: 1.000 ± 0.000 χ^2/NDF : 1429.1/70

dit_segment_slope vs Slug, Sign Corrected



reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -5.437 ± 0.085 χ^2/NDF : 530.4/18

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

Left In: -5.084 ± 0.087 χ^2/NDF : 1046.3/16

Left: -5.264 ± 0.061 χ^2/NDF : 1585.1/35

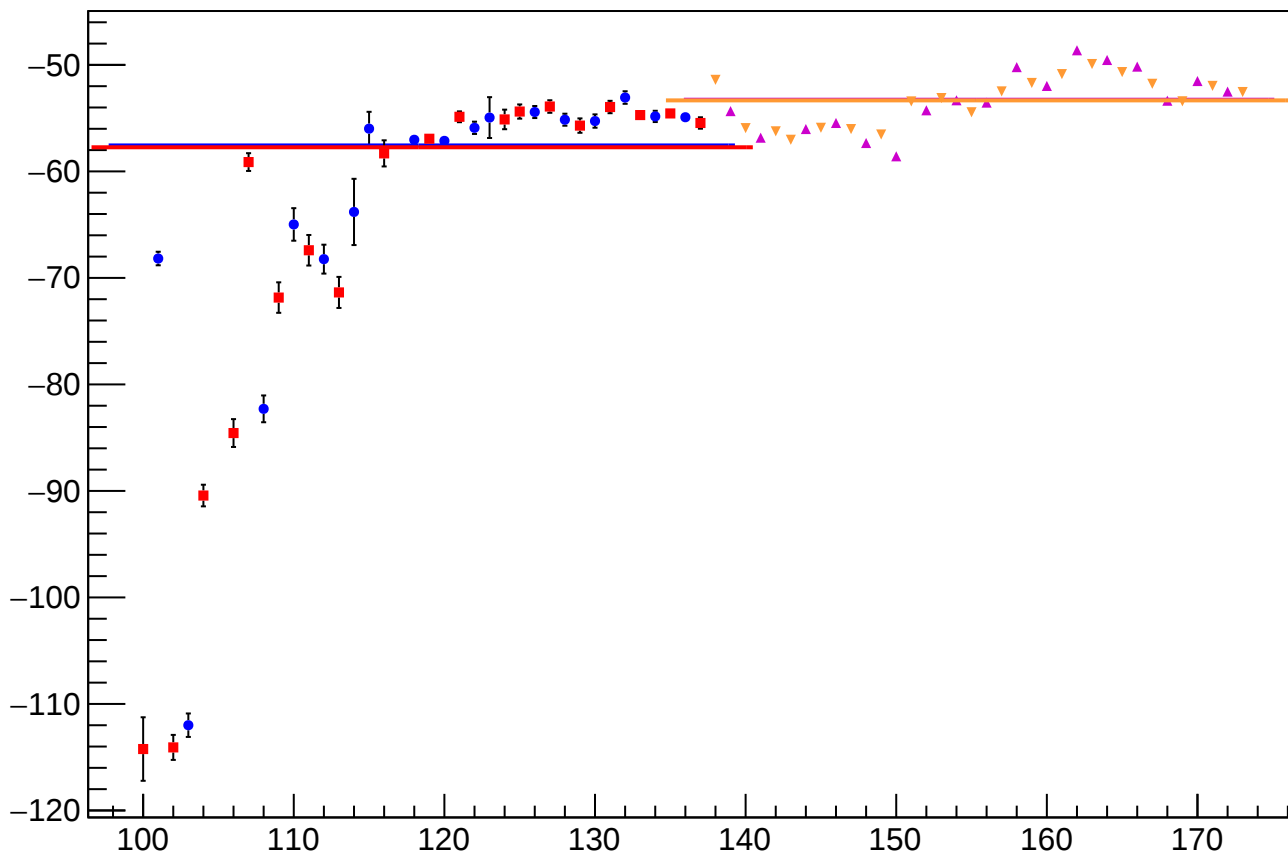
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -5.084 ± 0.087 χ^2/NDF : 1046.3/16

Out: -5.437 ± 0.085 χ^2/NDF : 530.4/18

All: -5.264 ± 0.061 χ^2/NDF : 1585.1/35

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.563 ± 0.141 χ^2/NDF : 3455.9/16

Left Out: -53.332 ± 0.064 χ^2/NDF : 1201.2/18

Right Out: -57.736 ± 0.143 χ^2/NDF : 4698.4/18

Left In: -53.271 ± 0.067 χ^2/NDF : 1928.9/16

Left: -53.303 ± 0.046 χ^2/NDF : 3130.5/35

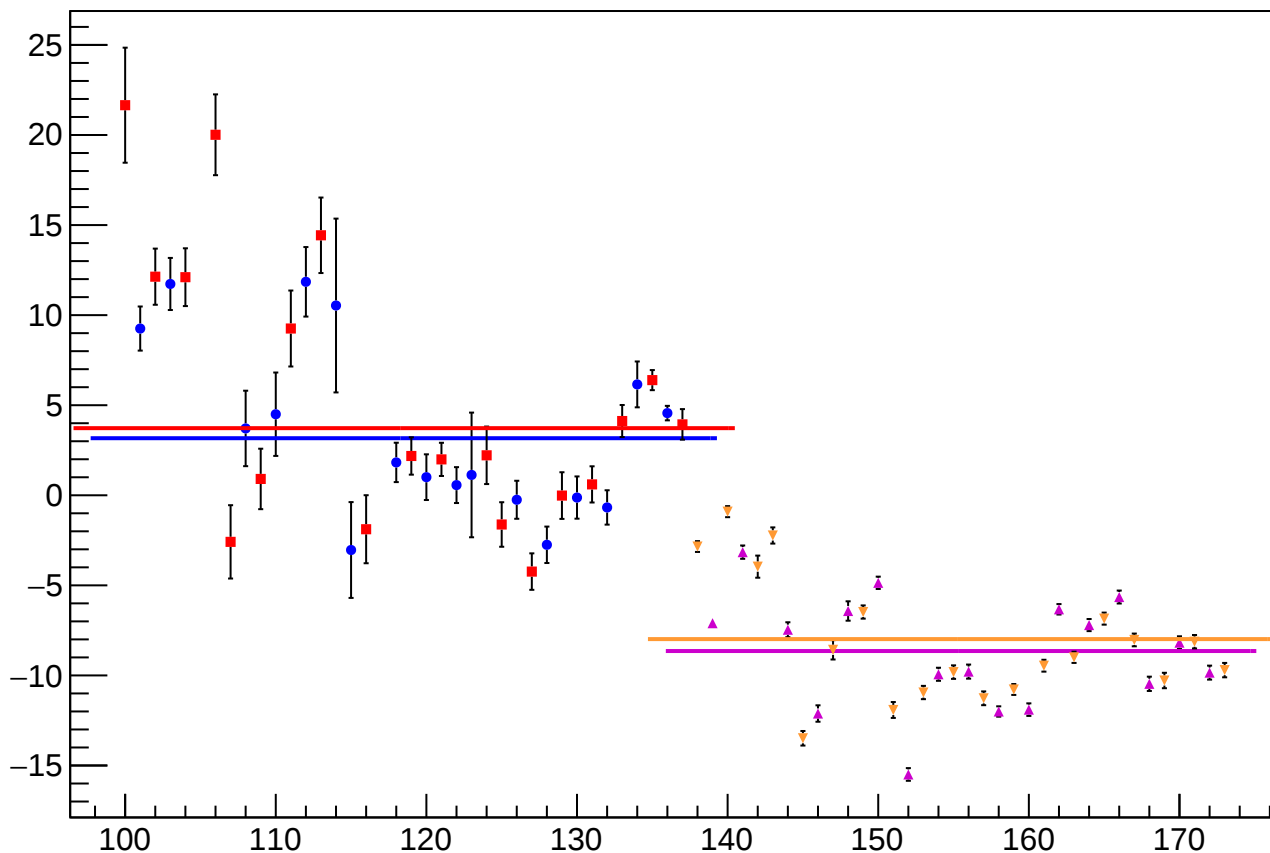
Right: -57.649 ± 0.101 χ^2/NDF : 8155.1/35

In: -54.059 ± 0.061 χ^2/NDF : 6136.6/33

Out: -54.068 ± 0.058 χ^2/NDF : 6689.4/37

All: -54.063 ± 0.042 χ^2/NDF : 12825.9/71

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.168 ± 0.258 $\chi^2/\text{NDF}: 186.2/16$

Left Out: -7.983 ± 0.085 $\chi^2/\text{NDF}: 1651.6/18$

Right Out: 3.726 ± 0.267 $\chi^2/\text{NDF}: 323.3/18$

Left In: -8.646 ± 0.086 $\chi^2/\text{NDF}: 1266.5/16$

Left: -8.311 ± 0.060 $\chi^2/\text{NDF}: 2948.3/35$

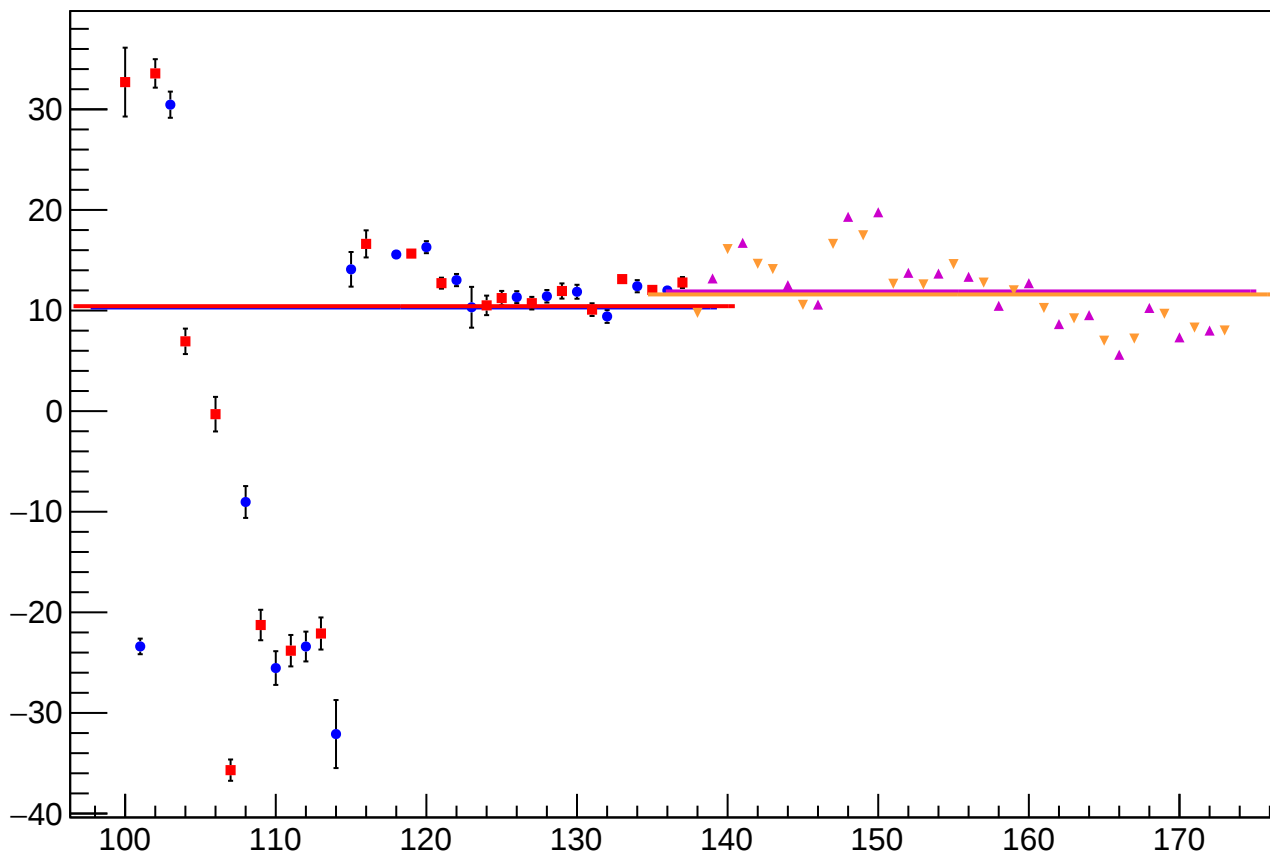
Right: 3.437 ± 0.185 $\chi^2/\text{NDF}: 511.7/35$

In: -7.469 ± 0.081 $\chi^2/\text{NDF}: 3344.6/33$

Out: -6.911 ± 0.081 $\chi^2/\text{NDF}: 3720.9/37$

All: -7.188 ± 0.057 $\chi^2/\text{NDF}: 7089.1/71$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.306 $\pm$ 0.157 χ^2 /NDF: 3712.3/16

Left Out: 11.602 $\pm$ 0.072 χ^2 /NDF:1823.1/18

Right Out: 10.433 $\pm$ 0.160 χ^2 /NDF: 3828.5/18

Left In: 11.897 $\pm$ 0.075 χ^2 /NDF:2494.4/16

Left: 11.744 $\pm$ 0.052 χ^2 /NDF: 4325.5/35

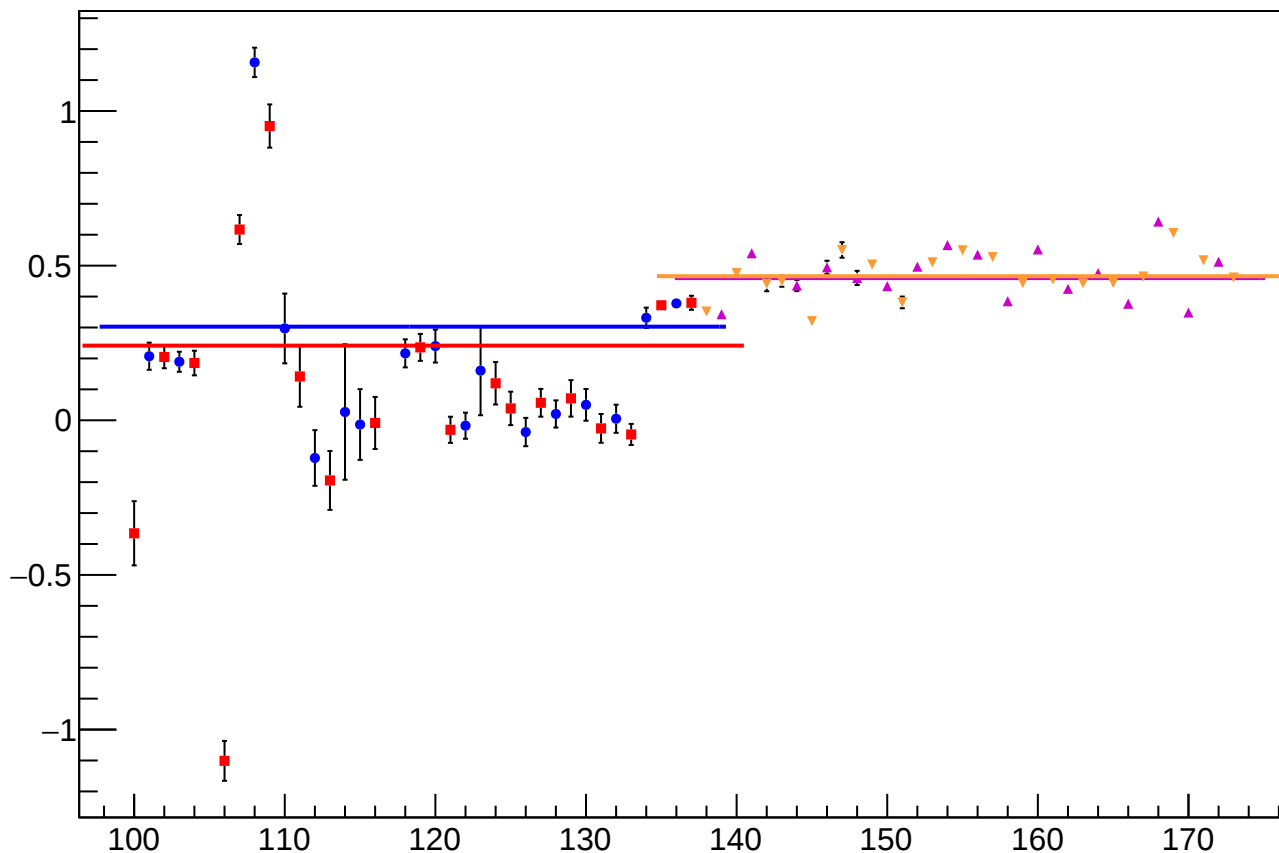
Right: 10.368 $\pm$ 0.112 χ^2 /NDF: 7541.1/35

In: 11.599 $\pm$ 0.068 χ^2 /NDF:6290.4/33

Out: 11.403 $\pm$ 0.066 χ^2 /NDF:5695.9/37

All: 11.498 $\pm$ 0.047 χ^2 /NDF: 11990.7/71

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.6/16

Left Out: 0.466 ± 0.003 χ^2/NDF : 401.7/18

Right Out: 0.241 ± 0.008 χ^2/NDF : 986.7/18

Left In: 0.460 ± 0.003 χ^2/NDF : 684.5/16

Left: 0.463 ± 0.002 χ^2/NDF : 1088.0/35

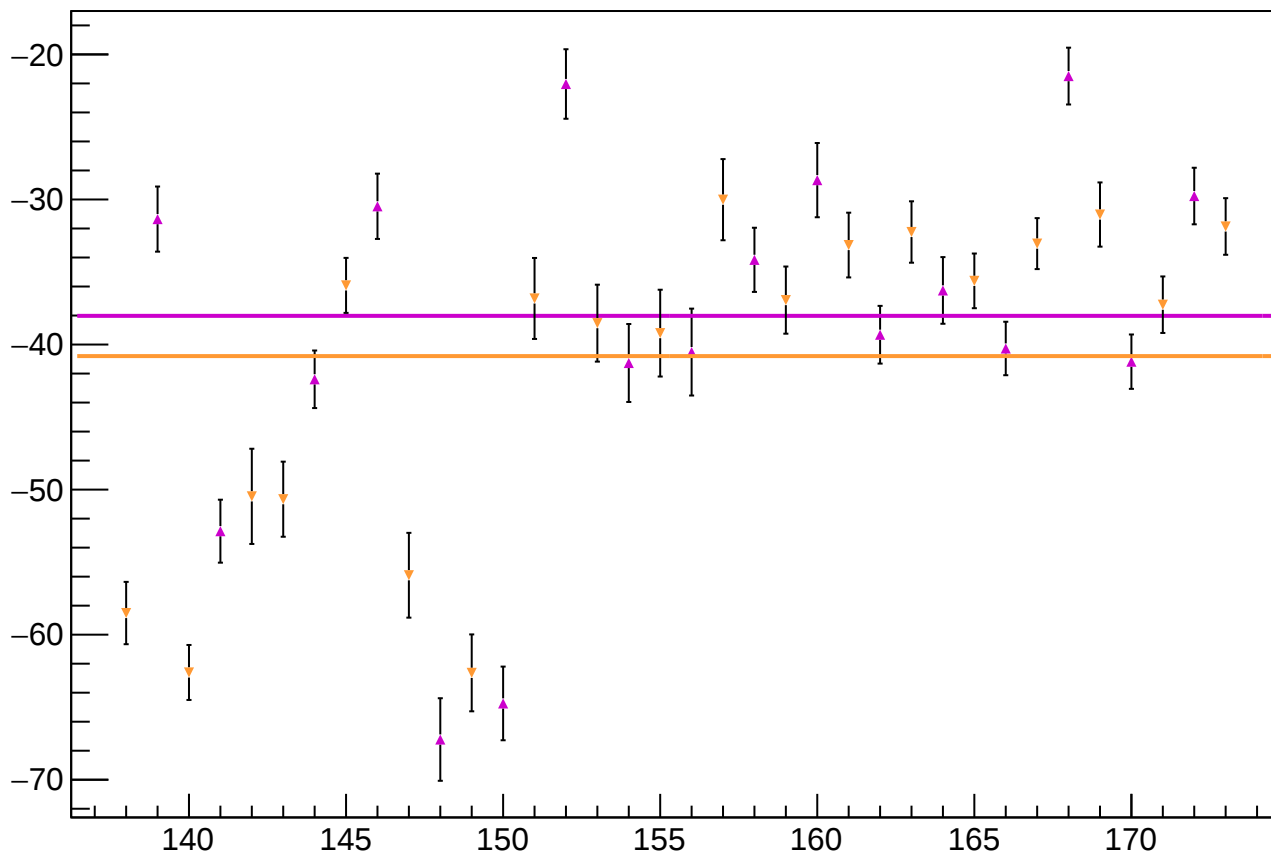
Right: 0.273 ± 0.006 χ^2/NDF : 1660.4/35

In: 0.438 ± 0.003 χ^2/NDF : 1647.5/33

Out: 0.437 ± 0.003 χ^2/NDF : 1998.0/37

All: 0.438 ± 0.002 χ^2/NDF : 3645.5/71

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -40.796+/-0.518 χ^2/NDF :444.3/18

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

Left In: -38.022+/-0.537 χ^2/NDF :445.3/16

Left: -39.460+/-0.373 χ^2/NDF : 903.5/35

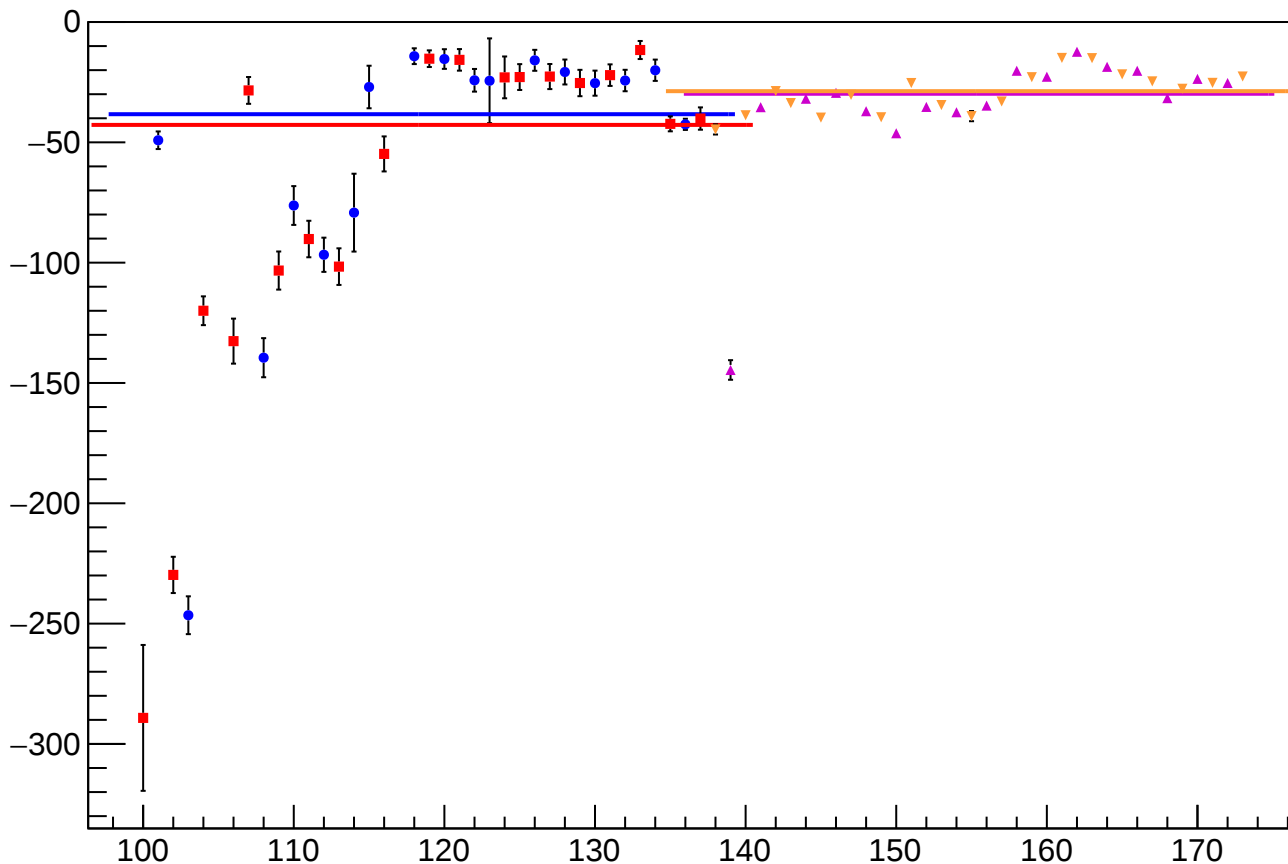
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.022+/-0.537 χ^2/NDF :445.3/16

Out: -40.796+/-0.518 χ^2/NDF :444.3/18

All: -39.460+/-0.373 χ^2/NDF : 903.5/35

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.309 ± 1.137 $\chi^2/\text{NDF}: 1132.7/16$

Left Out: -28.739 ± 0.379 $\chi^2/\text{NDF}: 456.4/18$

Right Out: -42.756 ± 1.211 $\chi^2/\text{NDF}: 1341.6/18$

Left In: -29.811 ± 0.397 $\chi^2/\text{NDF}: 1237.0/16$

Left: -29.250 ± 0.274 $\chi^2/\text{NDF}: 1697.2/35$

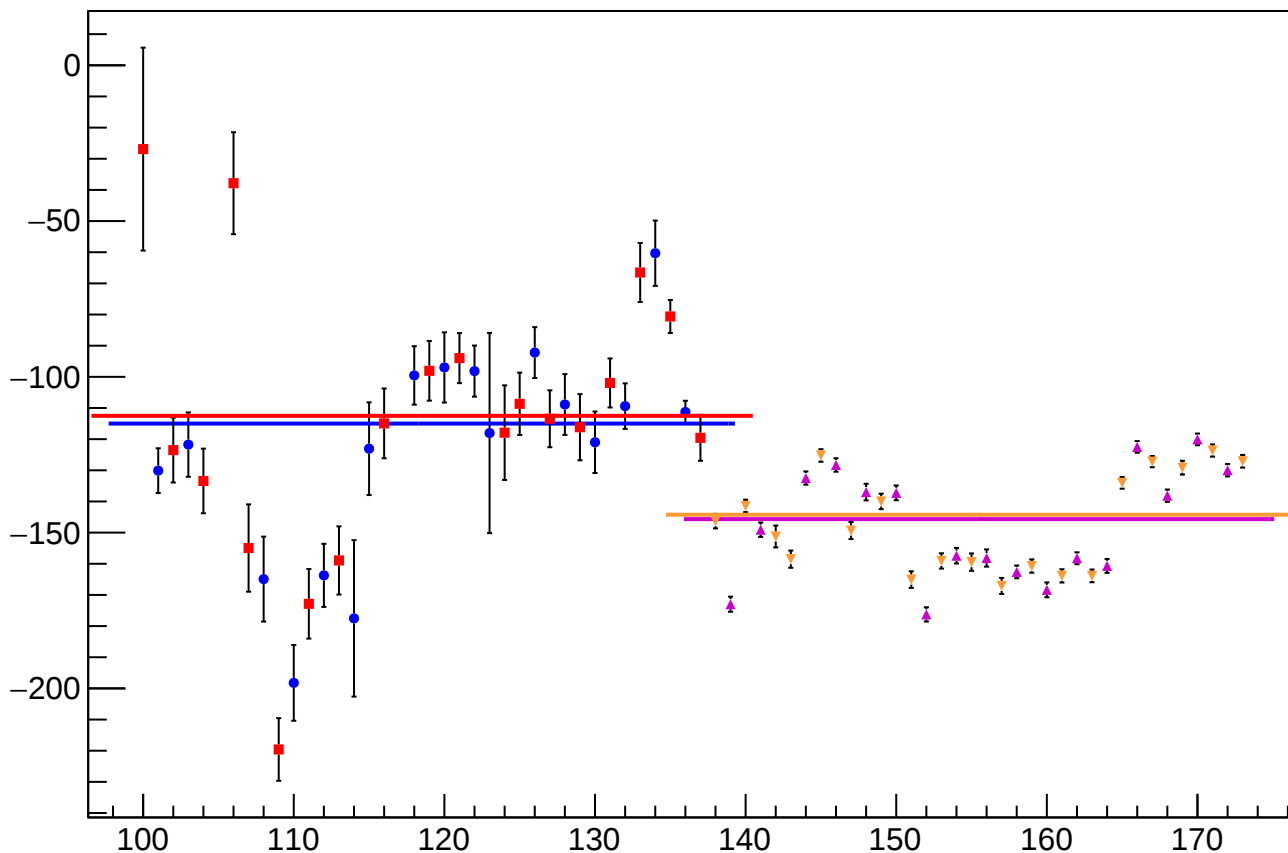
Right: -40.393 ± 0.829 $\chi^2/\text{NDF}: 2481.4/35$

In: -30.734 ± 0.375 $\chi^2/\text{NDF}: 2419.5/33$

Out: -29.991 ± 0.362 $\chi^2/\text{NDF}: 1920.1/37$

All: -30.349 ± 0.260 $\chi^2/\text{NDF}: 4341.6/71$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -114.996 ± 2.072 $\chi^2/\text{NDF}: 141.8/16$

Left Out: -144.257 ± 0.517 $\chi^2/\text{NDF}: 918.3/18$

Right Out: -112.510 ± 2.207 $\chi^2/\text{NDF}: 273.1/18$

Left In: -145.660 ± 0.530 $\chi^2/\text{NDF}: 1138.7/16$

Left: -144.940 ± 0.370 $\chi^2/\text{NDF}: 2060.6/35$

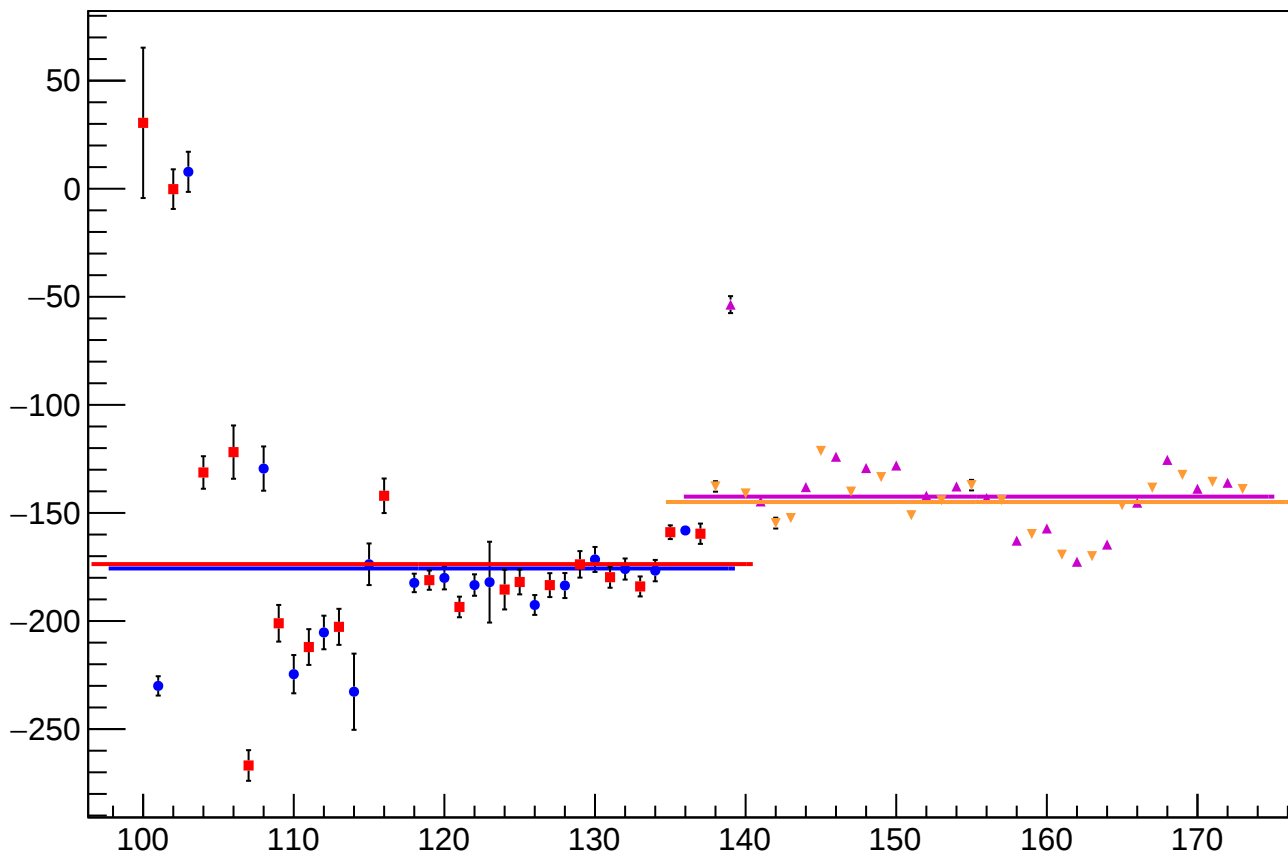
Right: -113.831 ± 1.511 $\chi^2/\text{NDF}: 415.6/35$

In: -143.776 ± 0.514 $\chi^2/\text{NDF}: 1486.0/33$

Out: -142.607 ± 0.503 $\chi^2/\text{NDF}: 1387.6/37$

All: -143.179 ± 0.359 $\chi^2/\text{NDF}: 2876.3/71$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.696 ± 1.268 $\chi^2/\text{NDF}: 692.9/16$

Left Out: -144.942 ± 0.433 $\chi^2/\text{NDF}: 901.7/18$

Right Out: -173.666 ± 1.356 $\chi^2/\text{NDF}: 737.7/18$

Left In: -142.453 ± 0.453 $\chi^2/\text{NDF}: 1514.6/16$

Left: -143.755 ± 0.313 $\chi^2/\text{NDF}: 2432.1/35$

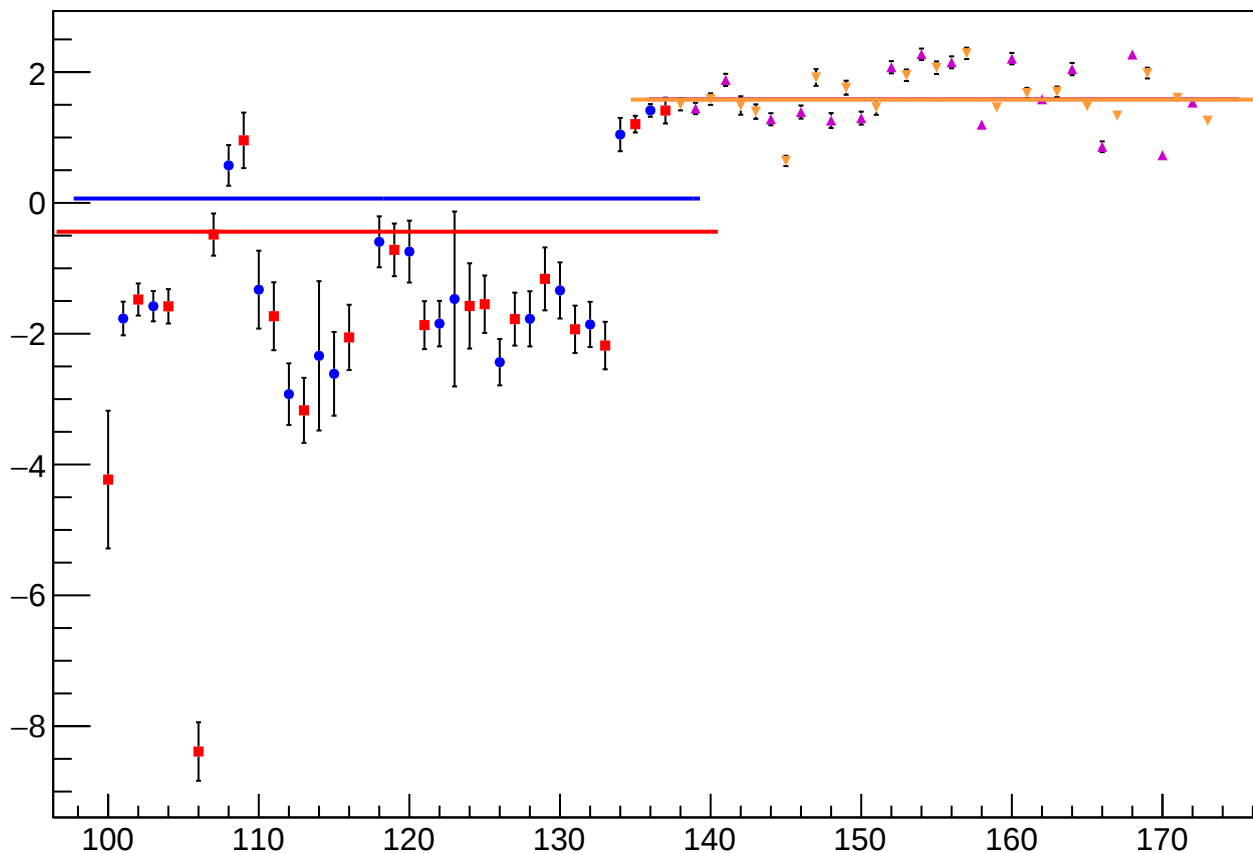
Right: -174.749 ± 0.926 $\chi^2/\text{NDF}: 1431.8/35$

In: -146.219 ± 0.427 $\chi^2/\text{NDF}: 2817.4/33$

Out: -147.598 ± 0.412 $\chi^2/\text{NDF}: 2046.7/37$

All: -146.932 ± 0.296 $\chi^2/\text{NDF}: 4869.5/71$

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 ± 0.067 χ^2/NDF : 526.1/16

Left Out: 1.580 ± 0.020 χ^2/NDF : 328.0/18

Right Out: -0.440 ± 0.071 χ^2/NDF : 754.9/18

Left In: 1.585 ± 0.021 χ^2/NDF : 591.8/16

Left: 1.582 ± 0.014 χ^2/NDF : 919.8/35

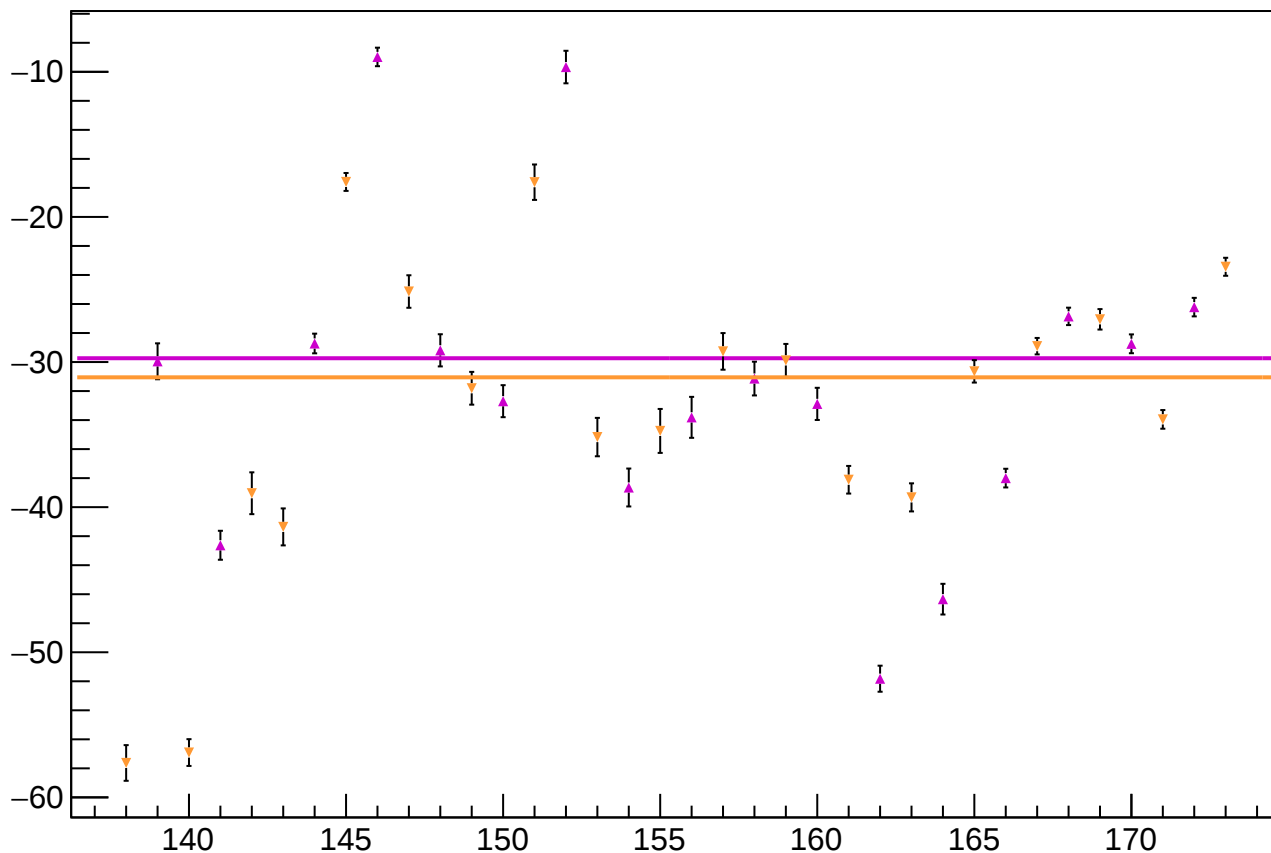
Right: -0.172 ± 0.049 χ^2/NDF : 1308.0/35

In: 1.454 ± 0.020 χ^2/NDF : 1587.5/33

Out: 1.432 ± 0.019 χ^2/NDF : 1830.8/37

All: 1.443 ± 0.014 χ^2/NDF : 3418.9/71

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.053+/-0.203 χ^2/NDF :2339.1/18

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

Left In: -29.738+/-0.206 χ^2/NDF :2691.0/16

Left: -30.405+/-0.145 χ^2/NDF : 5050.8/35

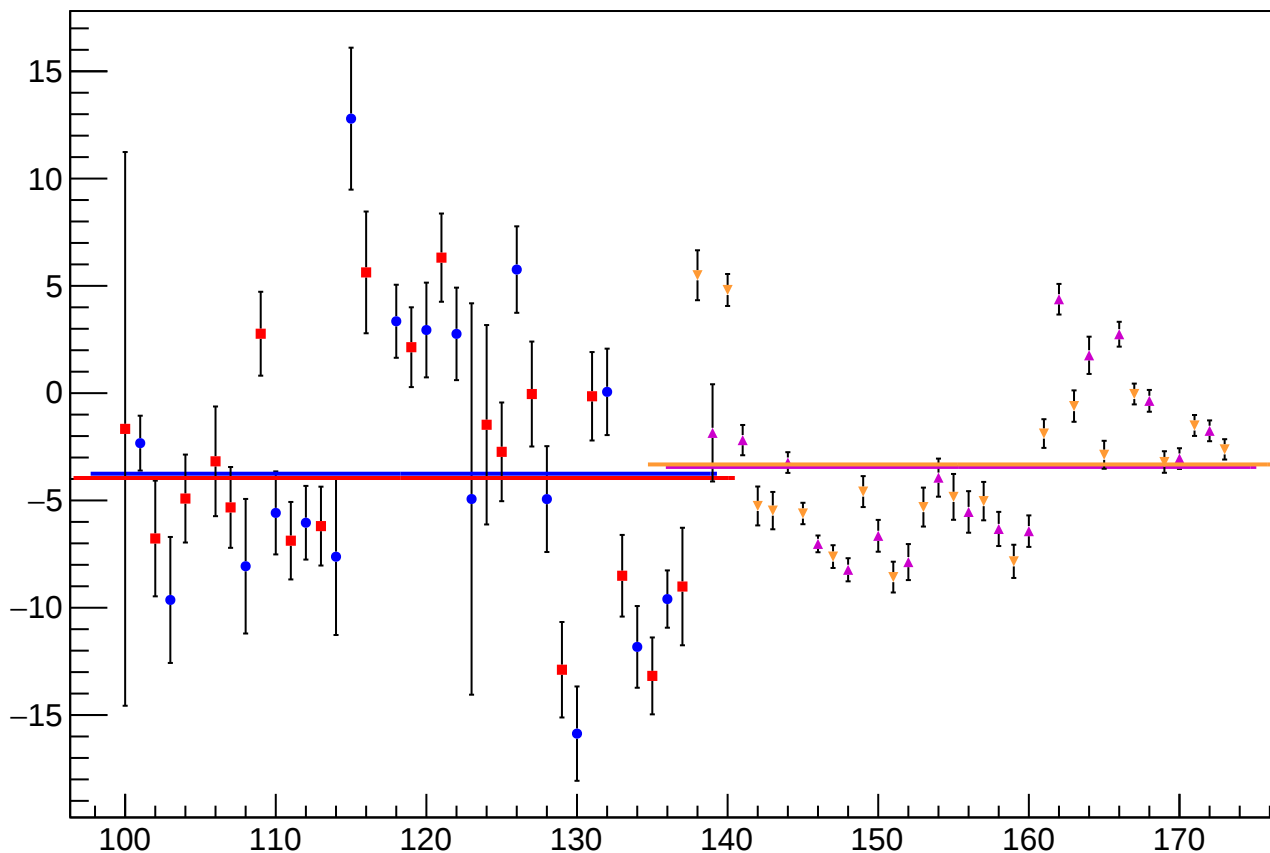
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.738+/-0.206 χ^2/NDF :2691.0/16

Out: -31.053+/-0.203 χ^2/NDF :2339.1/18

All: -30.405+/-0.145 χ^2/NDF : 5050.8/35

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.754 ± 0.495 $\chi^2/\text{NDF}: 165.3/16$

Left Out: -3.322 ± 0.149 $\chi^2/\text{NDF}: 455.5/18$

Right Out: -3.954 ± 0.507 $\chi^2/\text{NDF}: 123.3/18$

Left In: -3.437 ± 0.150 $\chi^2/\text{NDF}: 568.0/16$

Left: -3.379 ± 0.106 $\chi^2/\text{NDF}: 1023.8/35$

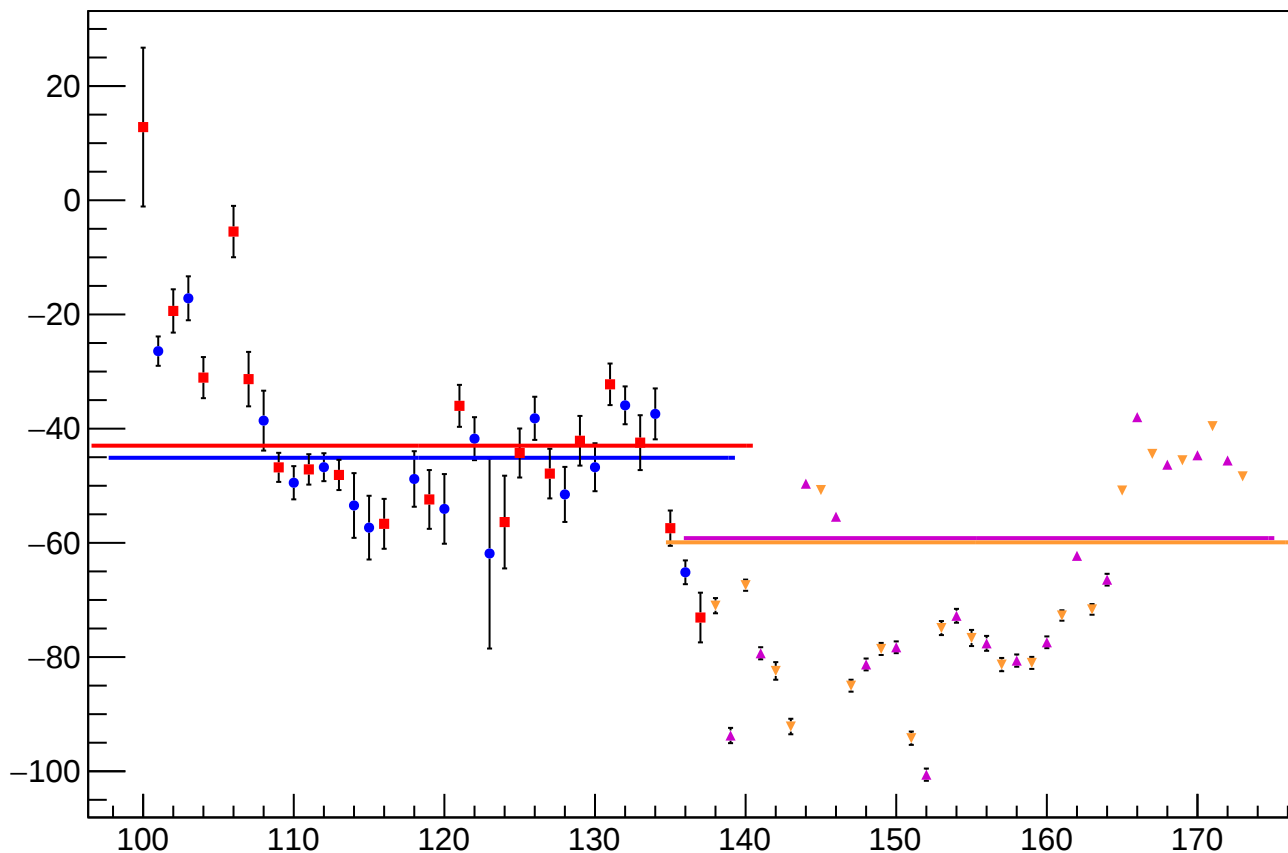
Right: -3.852 ± 0.354 $\chi^2/\text{NDF}: 288.7/35$

In: -3.464 ± 0.144 $\chi^2/\text{NDF}: 733.7/33$

Out: -3.373 ± 0.143 $\chi^2/\text{NDF}: 580.3/37$

All: -3.418 ± 0.102 $\chi^2/\text{NDF}: 1314.2/71$

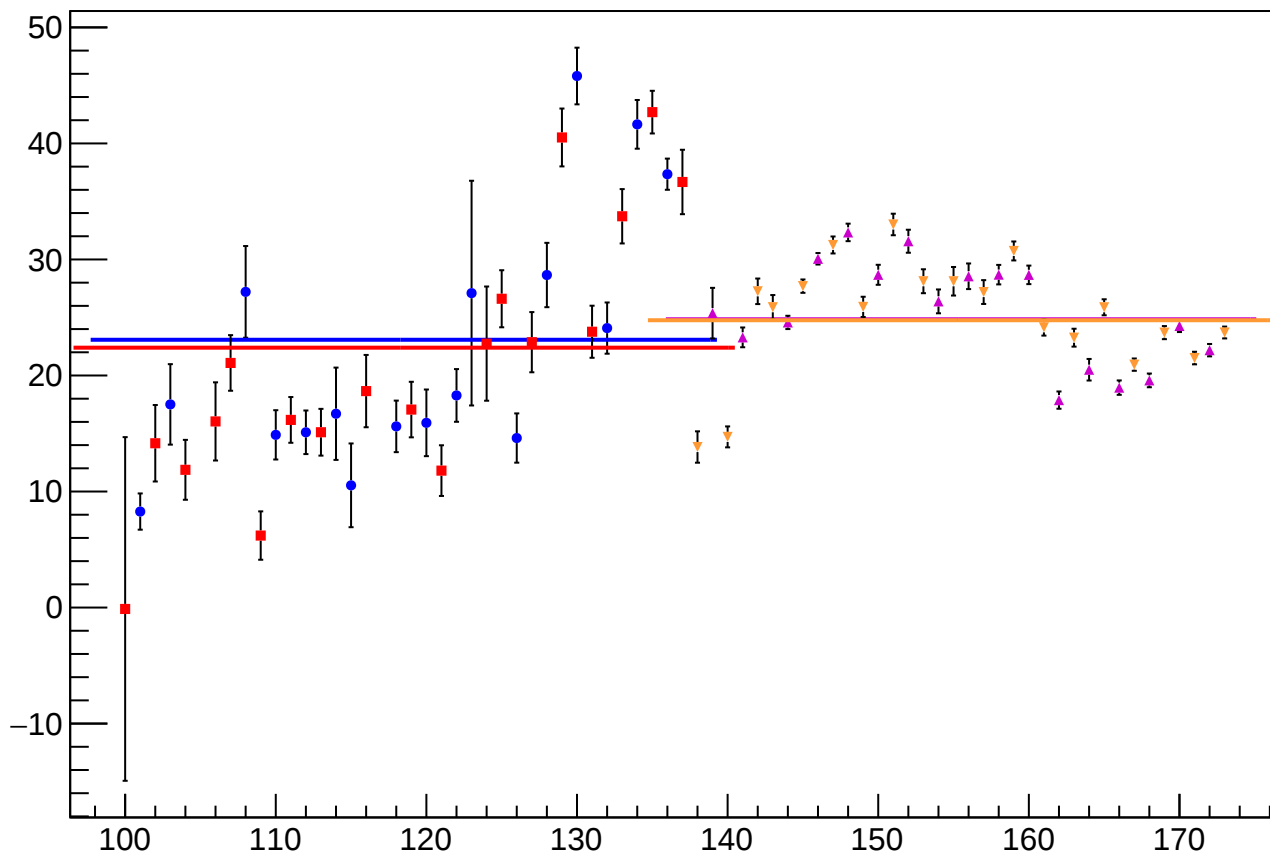
reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.101 ± 0.881 $\chi^2/\text{NDF}: 229.9/16$
 Left Out: -59.907 ± 0.204 $\chi^2/\text{NDF}: 6811.2/18$
 Right Out: -42.979 ± 0.877 $\chi^2/\text{NDF}: 248.9/18$
 Left In: -59.172 ± 0.205 $\chi^2/\text{NDF}: 7051.3/16$

Left: -59.542 ± 0.145 $\chi^2/\text{NDF}: 13869.0/35$
 Right: -44.036 ± 0.622 $\chi^2/\text{NDF}: 481.6/35$
 In: -58.451 ± 0.200 $\chi^2/\text{NDF}: 7523.3/33$
 Out: -59.040 ± 0.199 $\chi^2/\text{NDF}: 7413.3/37$
 All: -58.746 ± 0.141 $\chi^2/\text{NDF}: 14940.9/71$

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.079+/-0.556 χ^2/NDF : 461.1/16

Left Out: 24.763+/-0.170 χ^2/NDF : 561.2/18

Right Out: 22.397+/-0.572 χ^2/NDF : 370.3/18

Left In: 24.847+/-0.174 χ^2/NDF : 641.6/16

Left: 24.804+/-0.121 χ^2/NDF : 1202.9/35

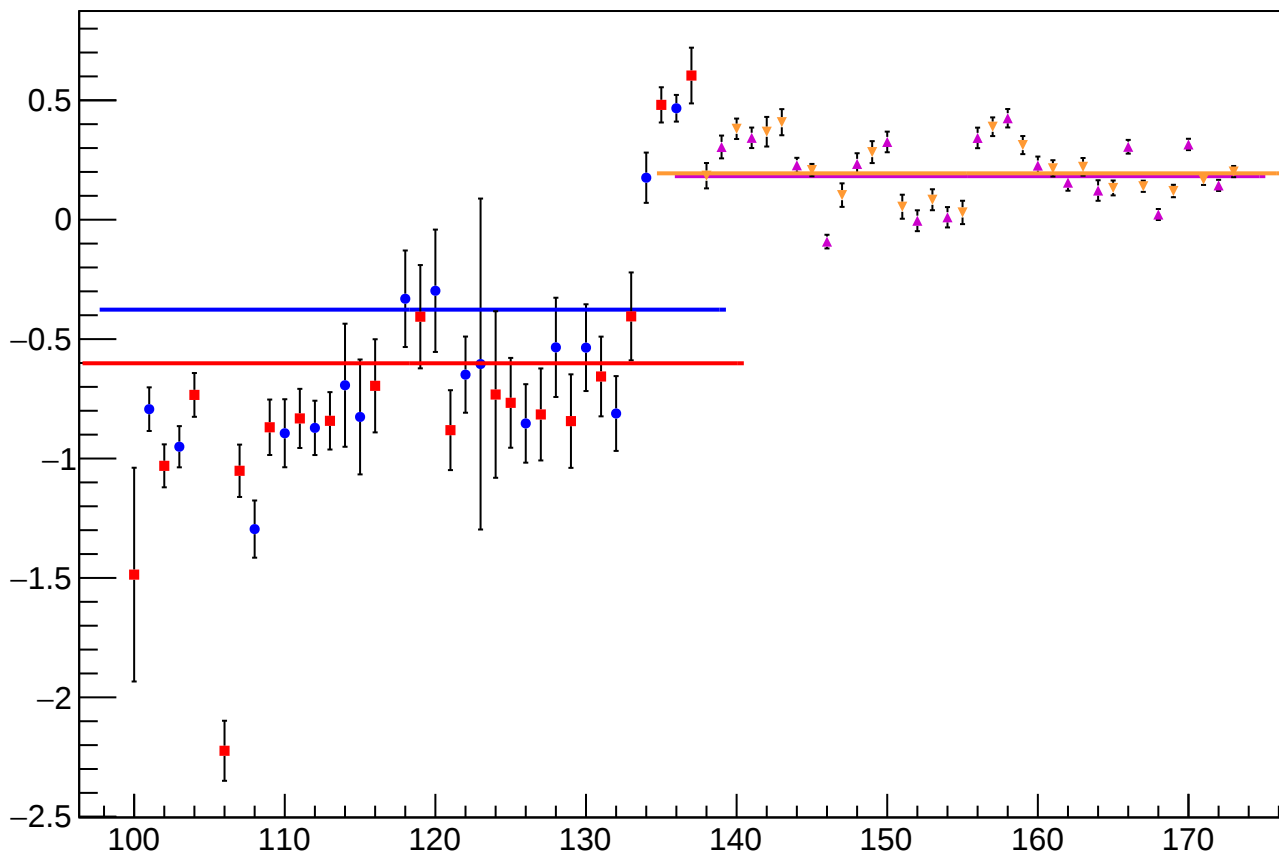
Right: 22.748+/-0.399 χ^2/NDF : 832.1/35

In: 24.690+/-0.166 χ^2/NDF : 1112.0/33

Out: 24.571+/-0.163 χ^2/NDF : 947.2/37

All: 24.629+/-0.116 χ^2/NDF : 2059.4/71

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.377 ± 0.030 χ^2/NDF : 437.1/16

Left Out: 0.194 ± 0.008 χ^2/NDF : 129.2/18

Right Out: -0.601 ± 0.030 χ^2/NDF : 555.6/18

Left In: 0.182 ± 0.008 χ^2/NDF : 319.2/16

Left: 0.188 ± 0.006 χ^2/NDF : 449.5/35

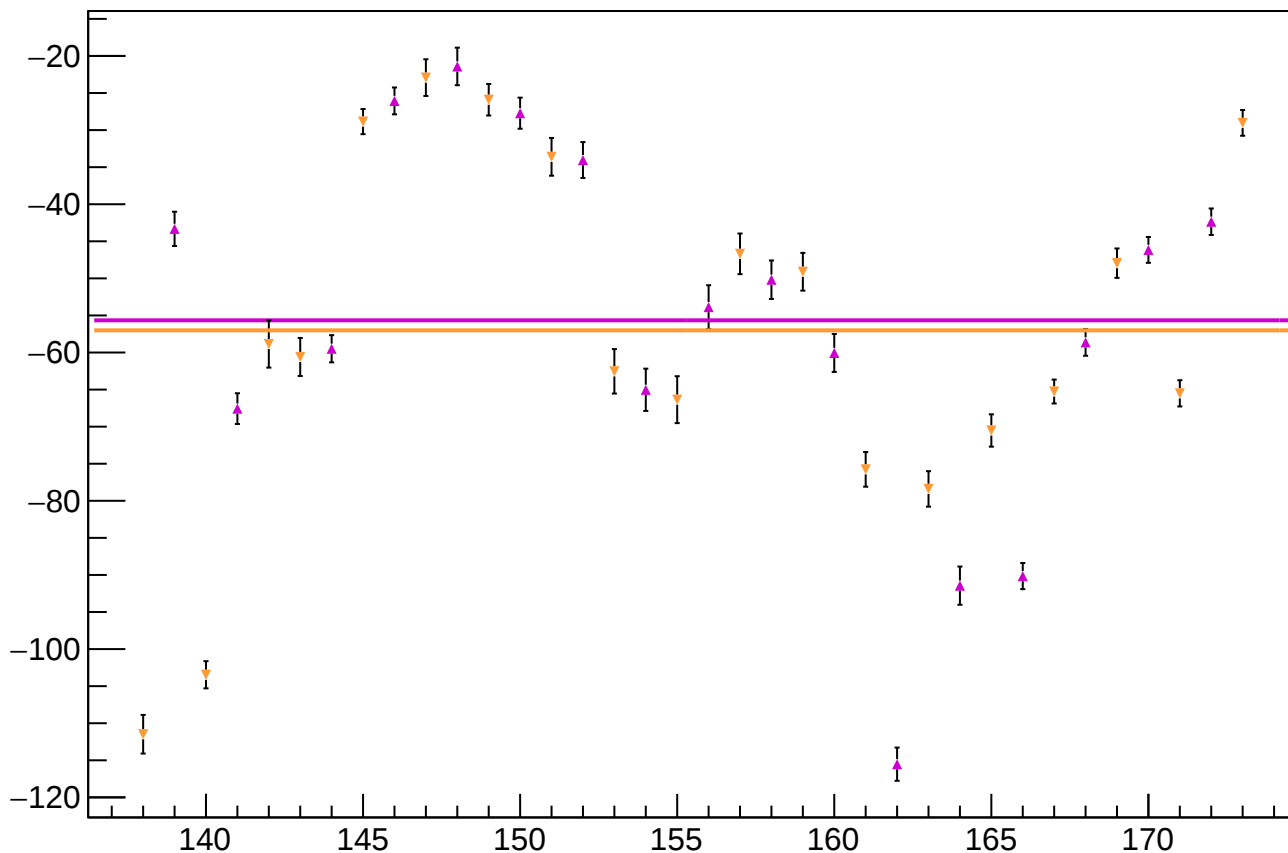
Right: -0.489 ± 0.021 χ^2/NDF : 1020.5/35

In: 0.145 ± 0.008 χ^2/NDF : 1078.6/33

Out: 0.144 ± 0.008 χ^2/NDF : 1335.6/37

All: 0.144 ± 0.005 χ^2/NDF : 2414.3/71

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: -57.009 $\pm$ 0.504 χ^2 /NDF:2394.9/18

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

Left In: -55.659 $\pm$ 0.517 χ^2 /NDF:2171.3/16

Left: -56.352 $\pm$ 0.361 χ^2 /NDF: 4569.7/35

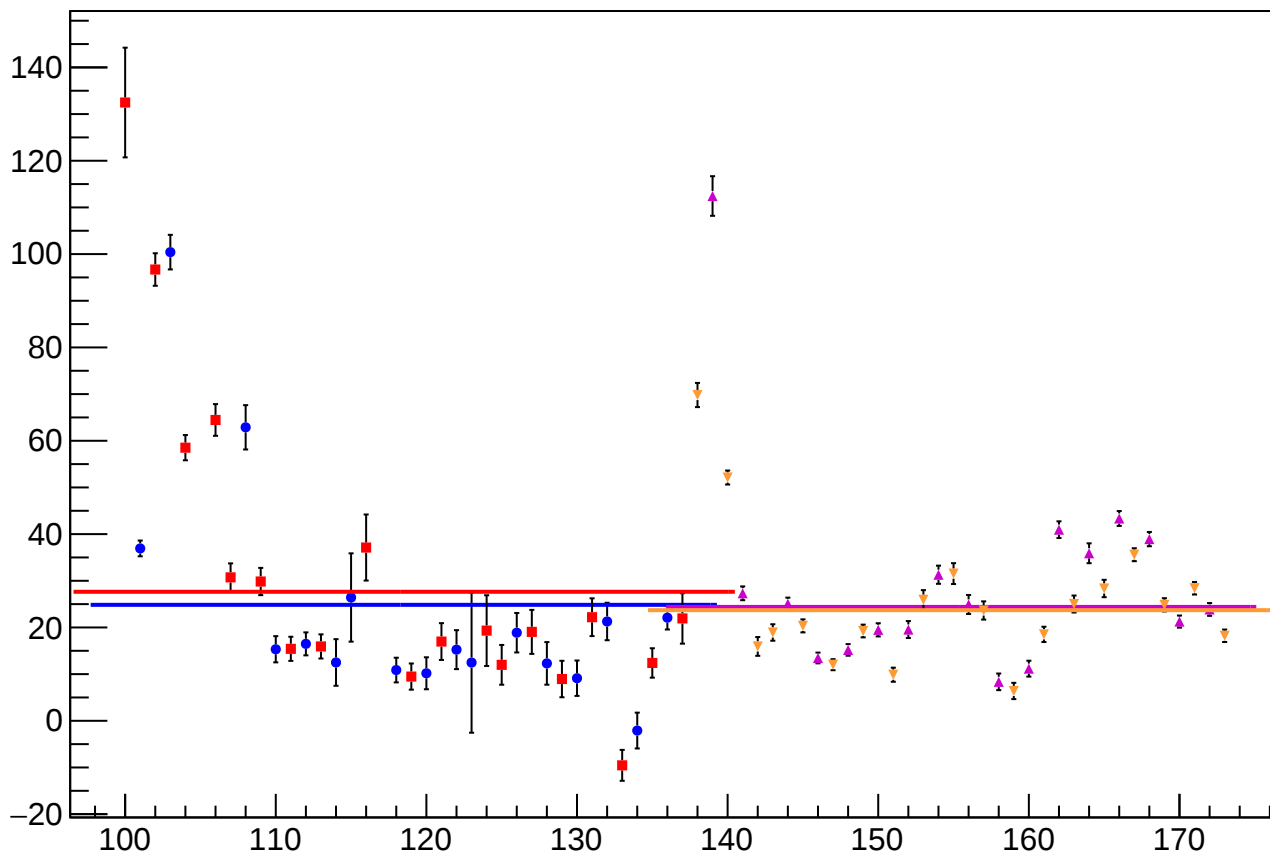
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -55.659 $\pm$ 0.517 χ^2 /NDF:2171.3/16

Out: -57.009 $\pm$ 0.504 χ^2 /NDF:2394.9/18

All: -56.352 $\pm$ 0.361 χ^2 /NDF: 4569.7/35

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.848 $\pm$ 0.801 χ^2 /NDF: 690.8/16

Left Out: 23.704 $\pm$ 0.366 χ^2 /NDF:1127.2/18

Right Out: 27.648 $\pm$ 0.810 χ^2 /NDF: 1009.2/18

Left In: 24.404 $\pm$ 0.379 χ^2 /NDF:1105.8/16

Left: 24.041 $\pm$ 0.263 χ^2 /NDF: 2234.7/35

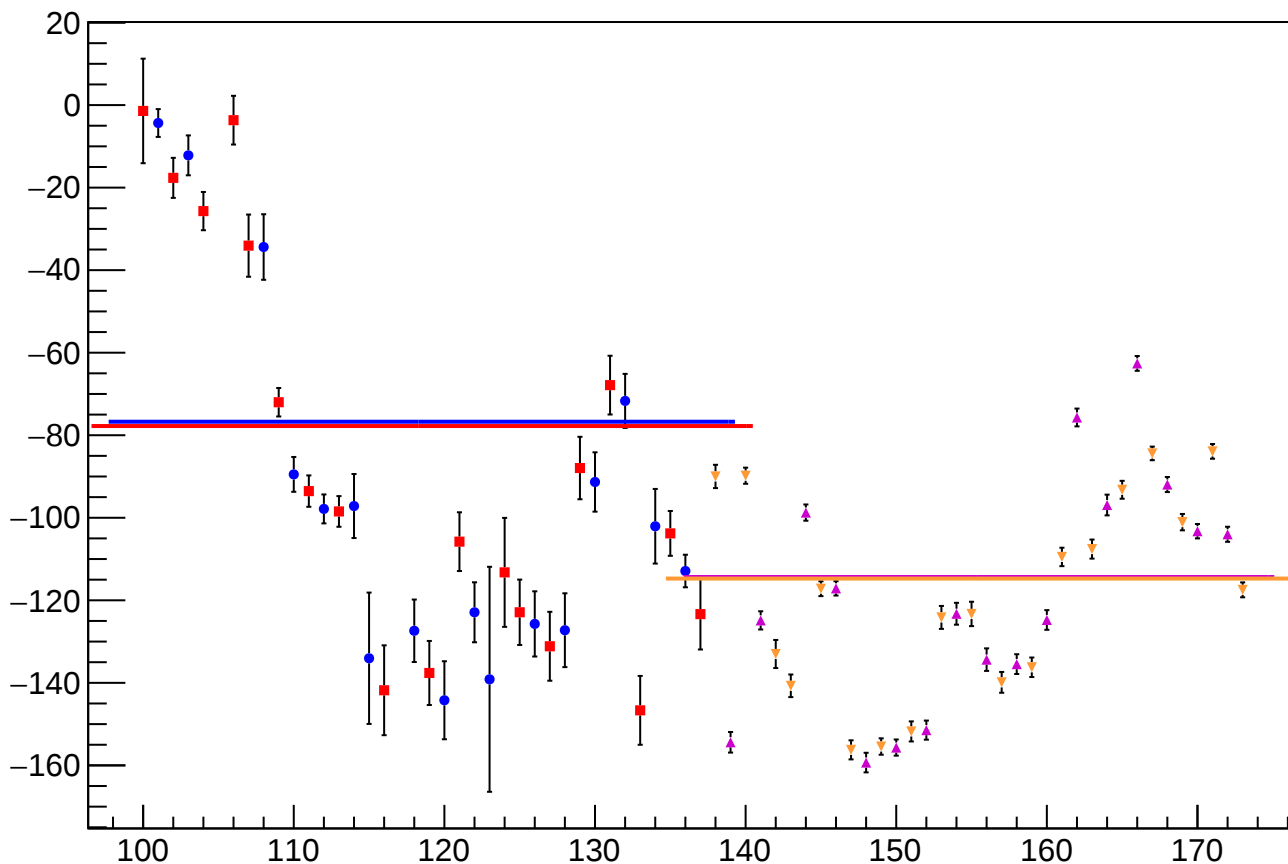
Right: 26.231 $\pm$ 0.570 χ^2 /NDF: 1706.0/35

In: 24.485 $\pm$ 0.343 χ^2 /NDF:1796.9/33

Out: 24.371 $\pm$ 0.333 χ^2 /NDF:2156.0/37

All: 24.427 $\pm$ 0.239 χ^2 /NDF: 3952.9/71

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.728 ± 1.412 $\chi^2/\text{NDF}: 1042.0/16$

Left Out: -114.731 ± 0.503 $\chi^2/\text{NDF}: 2337.7/18$

Right Out: -77.773 ± 1.352 $\chi^2/\text{NDF}: 871.8/18$

Left In: -114.356 ± 0.512 $\chi^2/\text{NDF}: 2992.2/16$

Left: -114.547 ± 0.359 $\chi^2/\text{NDF}: 5330.2/35$

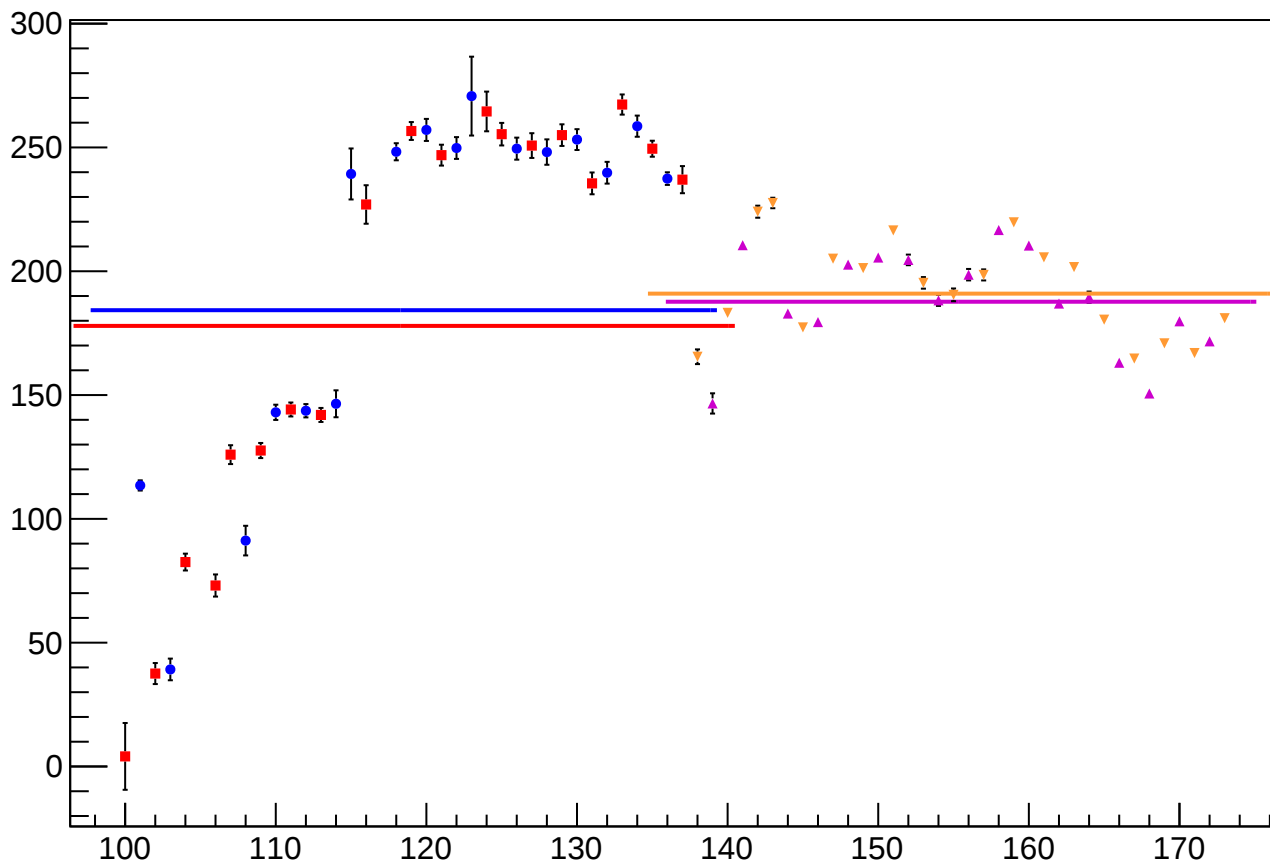
Right: -77.273 ± 0.977 $\chi^2/\text{NDF}: 1914.1/35$

In: -109.988 ± 0.481 $\chi^2/\text{NDF}: 4661.8/33$

Out: -110.240 ± 0.471 $\chi^2/\text{NDF}: 3865.7/37$

All: -110.117 ± 0.337 $\chi^2/\text{NDF}: 8527.7/71$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 184.271 $\pm$ 0.914 χ^2 /NDF: 5401.0/16

Left Out: 190.962 $\pm$ 0.420 χ^2 /NDF:2090.0/18

Right Out: 177.930 $\pm$ 0.924 χ^2 /NDF: 6330.9/18

Left In: 187.689 $\pm$ 0.436 χ^2 /NDF:1762.7/16

Left: 189.387 $\pm$ 0.303 χ^2 /NDF: 3881.8/35

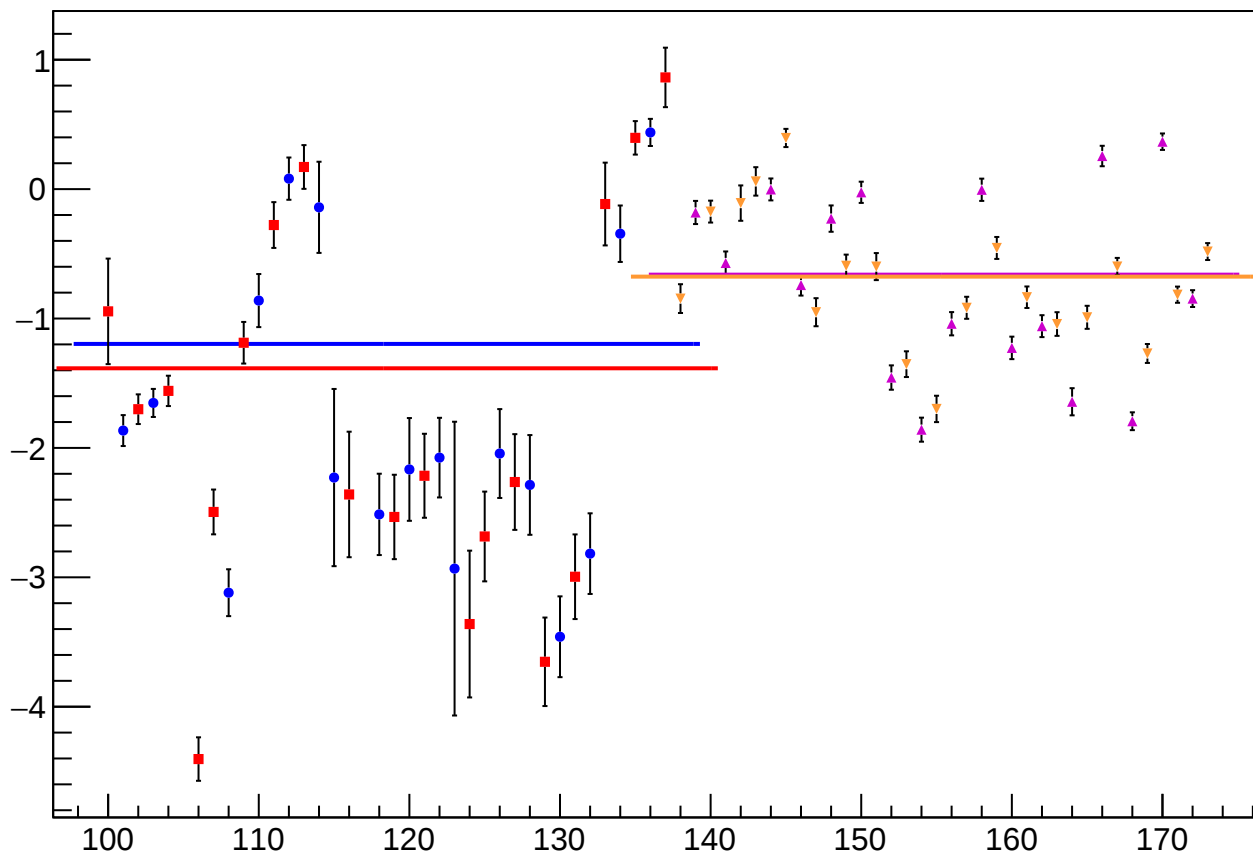
Right: 181.136 $\pm$ 0.650 χ^2 /NDF: 11755.7/35

In: 187.054 $\pm$ 0.394 χ^2 /NDF:7175.0/33

Out: 188.728 $\pm$ 0.383 χ^2 /NDF:8585.7/37

All: 187.915 $\pm$ 0.274 χ^2 /NDF: 15770.1/71

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.196 ± 0.048 χ^2/NDF : 623.1/16

Left Out: -0.676 ± 0.019 χ^2/NDF : 614.6/18

Right Out: -1.385 ± 0.046 χ^2/NDF : 924.4/18

Left In: -0.661 ± 0.020 χ^2/NDF : 1309.6/16

Left: -0.669 ± 0.014 χ^2/NDF : 1924.5/35

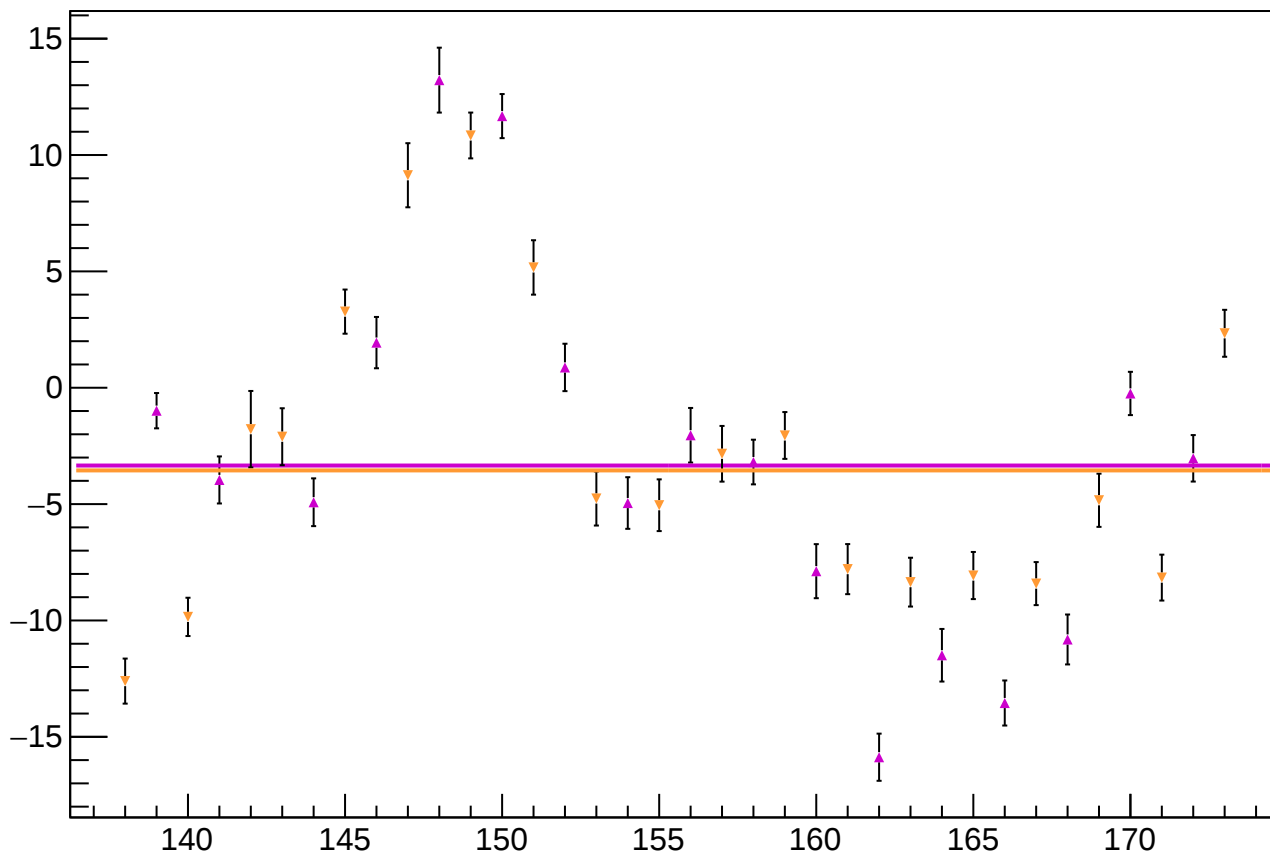
Right: -1.295 ± 0.033 χ^2/NDF : 1555.6/35

In: -0.740 ± 0.018 χ^2/NDF : 2038.3/33

Out: -0.785 ± 0.018 χ^2/NDF : 1741.9/37

All: -0.763 ± 0.013 χ^2/NDF : 3783.2/71

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.552+/-0.243 χ^2/NDF : 701.3/18

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

Left In: -3.343+/-0.248 χ^2/NDF : 839.3/16

Left: -3.449+/-0.174 χ^2/NDF : 1540.9/35

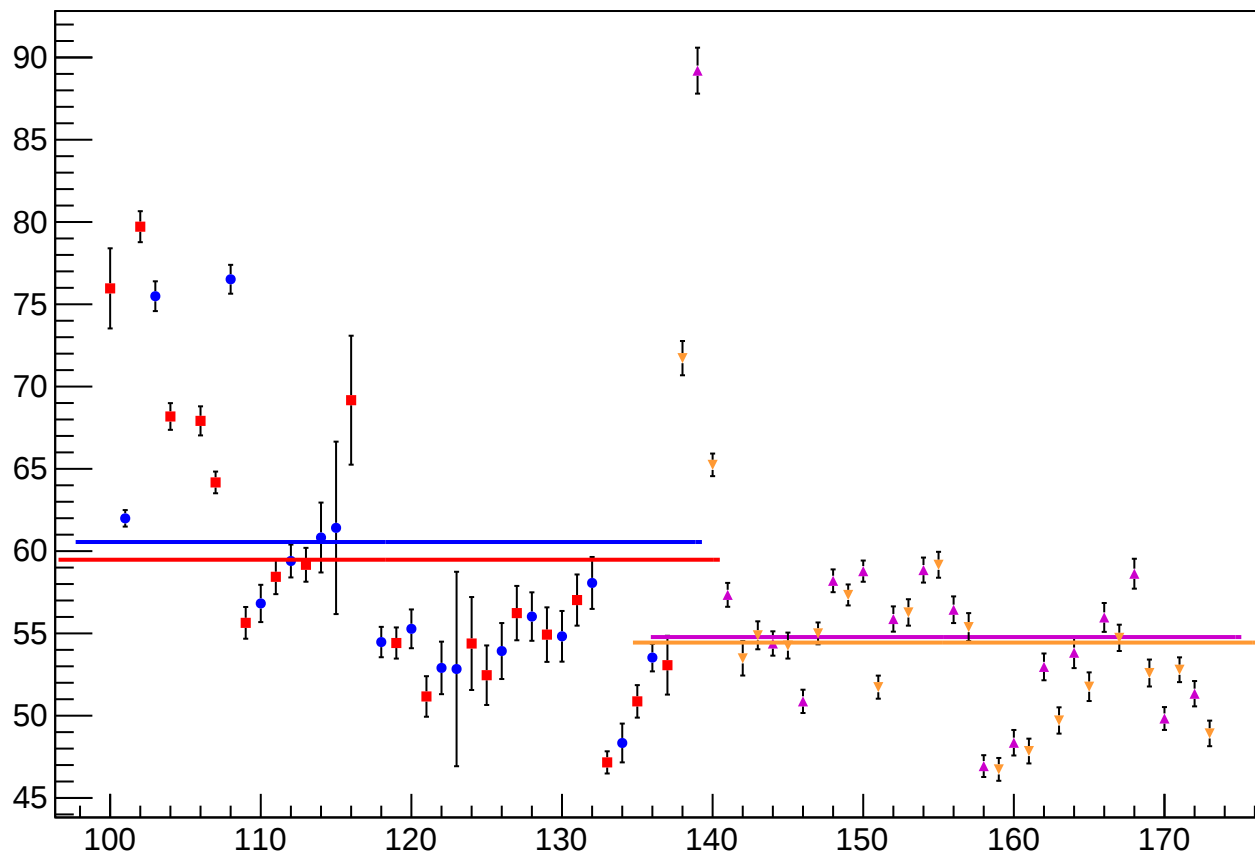
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -3.343+/-0.248 χ^2/NDF : 839.3/16

Out: -3.552+/-0.243 χ^2/NDF : 701.3/18

All: -3.449+/-0.174 χ^2/NDF : 1540.9/35

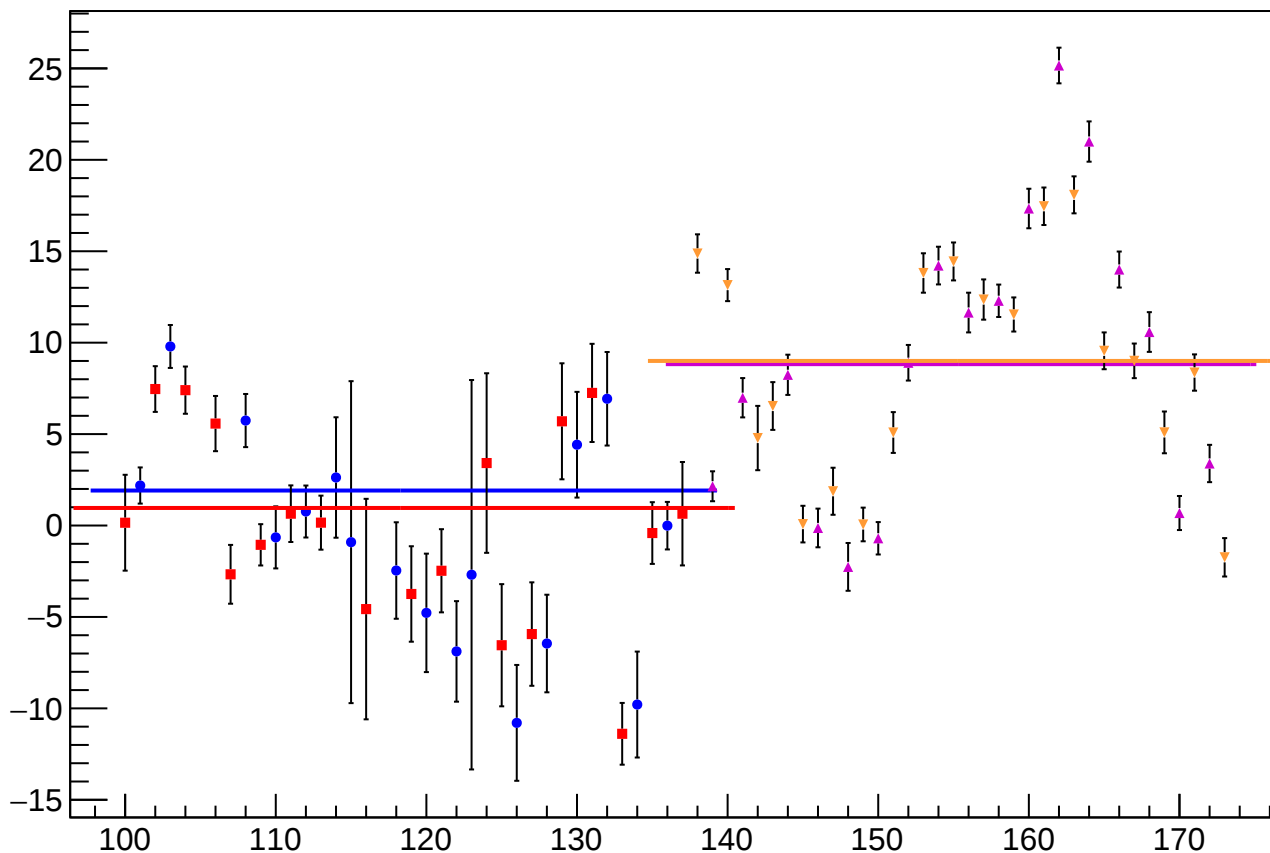
reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.554 ± 0.262 $\chi^2/\text{NDF}: 930.8/16$
 Left Out: 54.443 ± 0.178 $\chi^2/\text{NDF}: 908.1/18$
 Right Out: 59.477 ± 0.248 $\chi^2/\text{NDF}: 1317.0/18$
 Left In: 54.779 ± 0.187 $\chi^2/\text{NDF}: 1054.1/16$

Left: 54.602 ± 0.129 $\chi^2/\text{NDF}: 1963.8/35$
 Right: 59.987 ± 0.180 $\chi^2/\text{NDF}: 2256.7/35$
 In: 56.735 ± 0.152 $\chi^2/\text{NDF}: 2307.2/33$
 Out: 56.159 ± 0.145 $\chi^2/\text{NDF}: 2496.9/37$
 All: 56.432 ± 0.105 $\chi^2/\text{NDF}: 4811.7/71$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.914 $\pm$ 0.458 χ^2 /NDF: 121.6/16

Left Out: 9.001 $\pm$ 0.241 χ^2 /NDF: 609.5/18

Right Out: 0.960 $\pm$ 0.424 χ^2 /NDF: 149.5/18

Left In: 8.825 $\pm$ 0.244 χ^2 /NDF: 977.7/16

Left: 8.914 $\pm$ 0.172 χ^2 /NDF: 1587.6/35

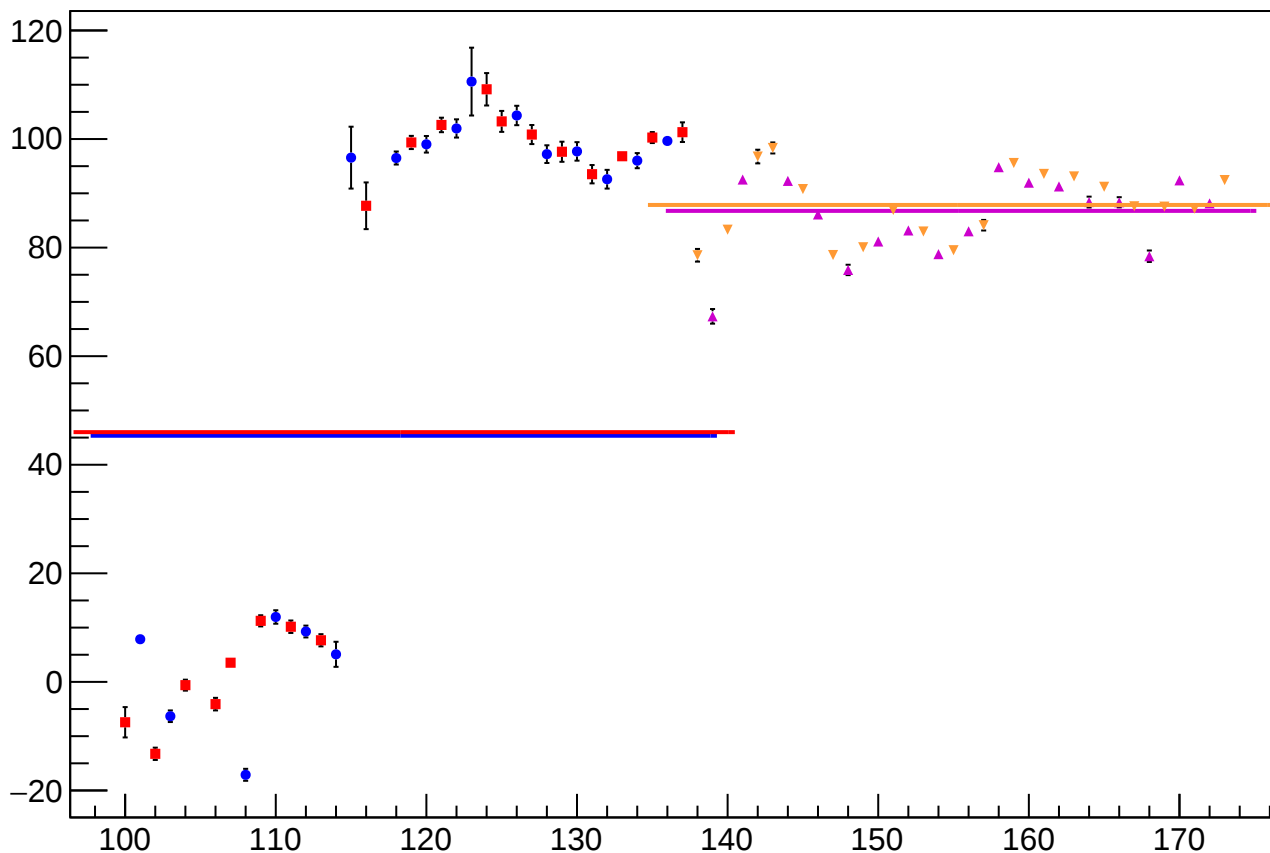
Right: 1.401 $\pm$ 0.311 χ^2 /NDF: 273.4/35

In: 7.294 $\pm$ 0.215 χ^2 /NDF: 1276.8/33

Out: 7.036 $\pm$ 0.210 χ^2 /NDF: 1030.5/37

All: 7.162 $\pm$ 0.150 χ^2 /NDF: 2308.1/71

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.344 $\pm$ 0.303 χ^2 /NDF: 25071.0/16

Left Out: 87.857 $\pm$ 0.204 χ^2 /NDF:843.6/18

Right Out: 46.007 $\pm$ 0.289 χ^2 /NDF: 28219.9/18

Left In: 86.765 $\pm$ 0.212 χ^2 /NDF:920.4/16

Left: 87.334 $\pm$ 0.147 χ^2 /NDF: 1777.7/35

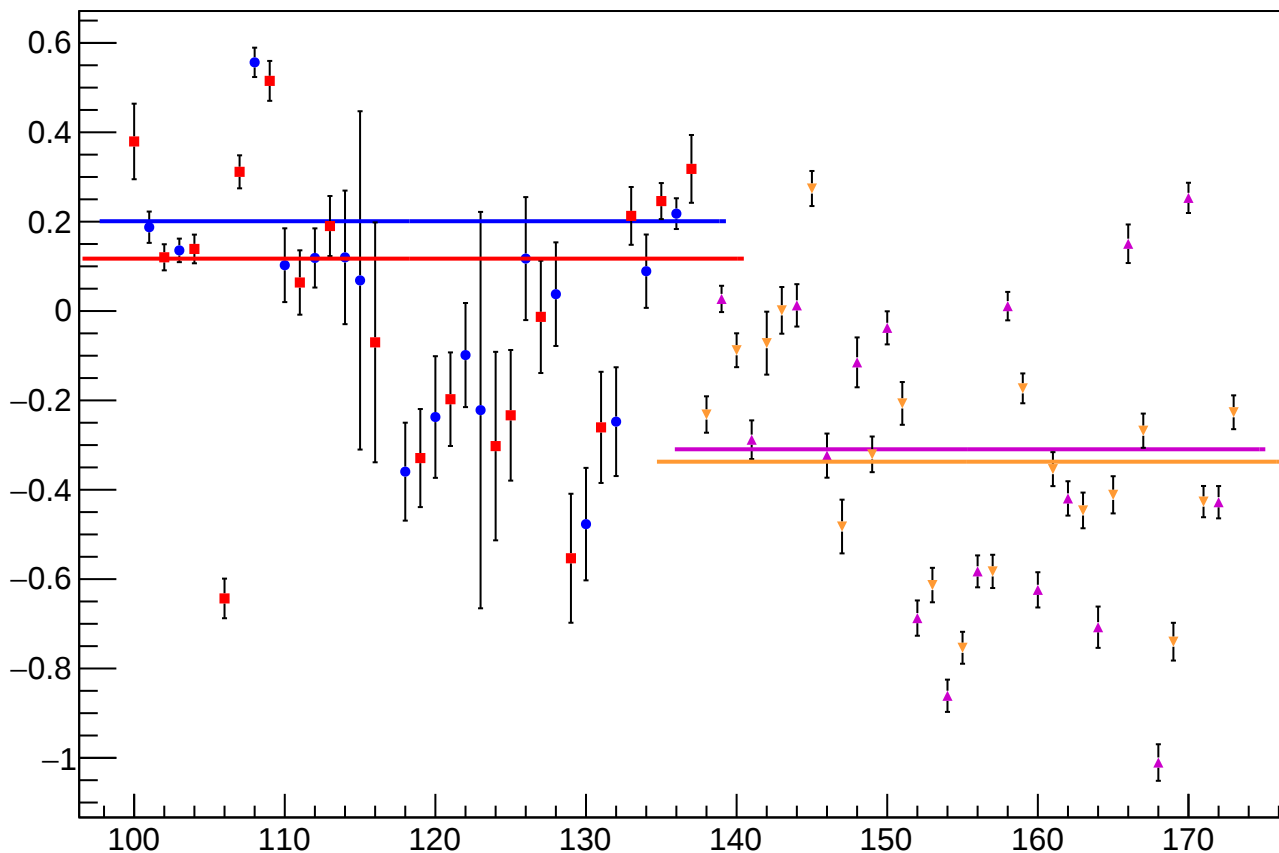
Right: 45.691 $\pm$ 0.209 χ^2 /NDF: 53293.4/35

In: 73.124 $\pm$ 0.174 χ^2 /NDF:38504.9/33

Out: 73.991 $\pm$ 0.167 χ^2 /NDF:43040.5/37

All: 73.576 $\pm$ 0.120 χ^2 /NDF: 81558.4/71

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 χ^2/NDF : 217.8/16

Left Out: -0.337 ± 0.009 χ^2/NDF : 737.3/18

Right Out: 0.117 ± 0.013 χ^2/NDF : 500.1/18

Left In: -0.309 ± 0.009 χ^2/NDF : 1568.6/16

Left: -0.323 ± 0.007 χ^2/NDF : 2310.3/35

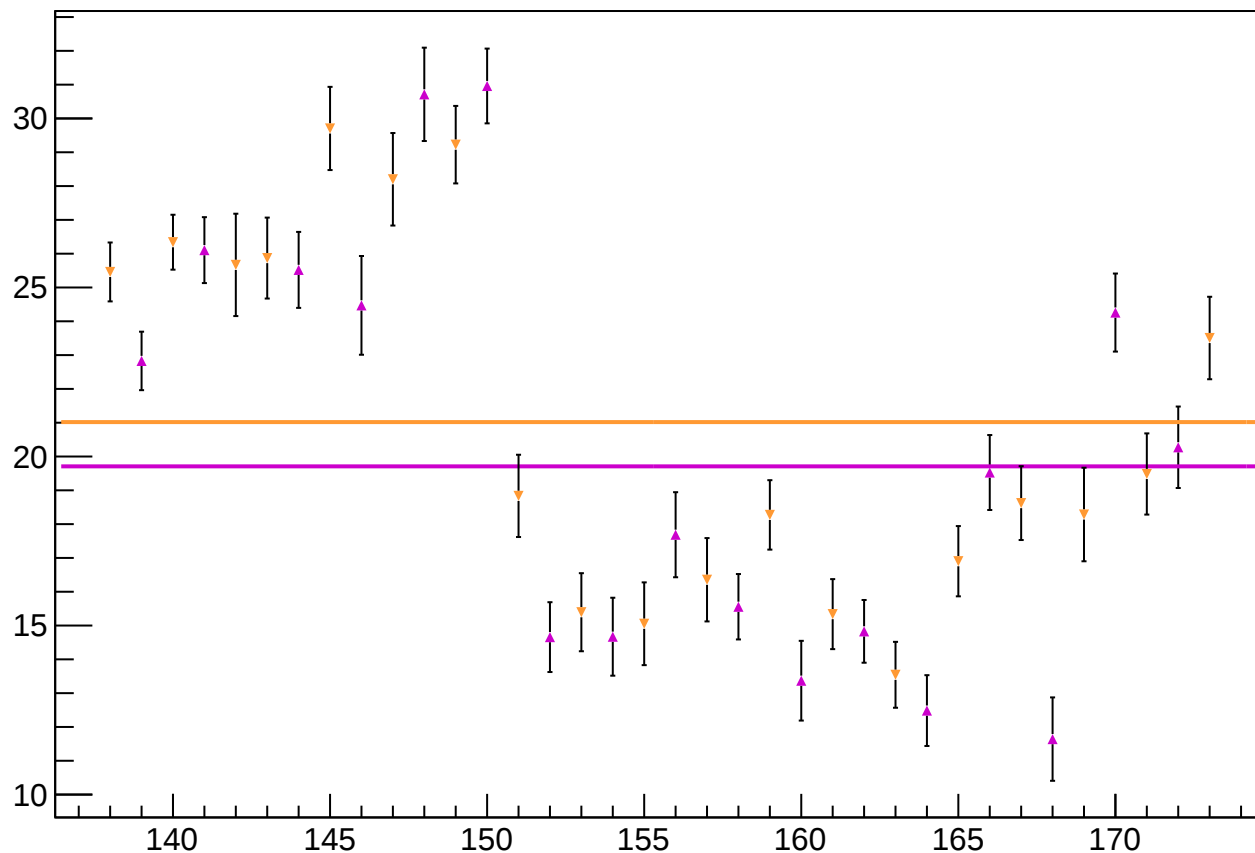
Right: 0.156 ± 0.010 χ^2/NDF : 737.1/35

In: -0.151 ± 0.008 χ^2/NDF : 2699.9/33

Out: -0.184 ± 0.008 χ^2/NDF : 2044.8/37

All: -0.168 ± 0.005 χ^2/NDF : 4753.6/71

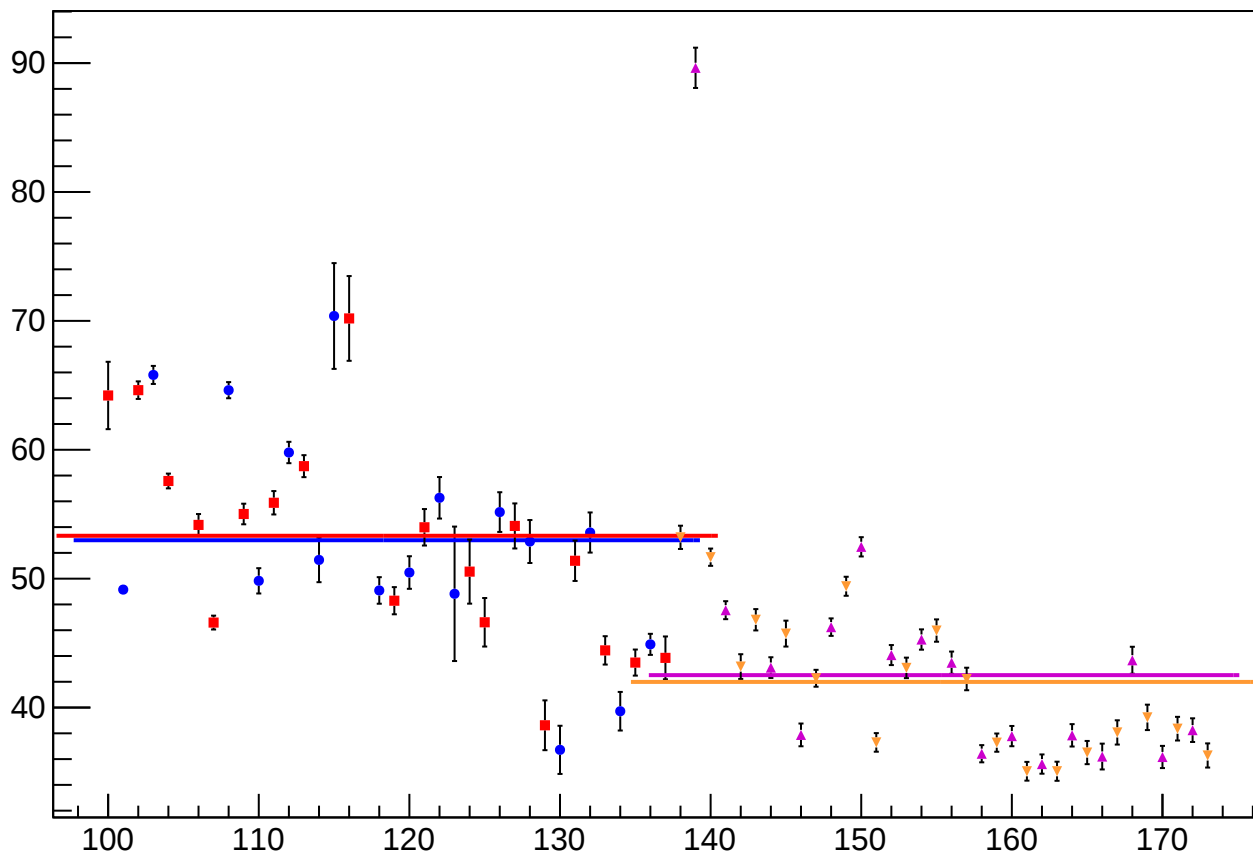
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.018 $\pm$ 0.256 χ^2 /NDF:414.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.709 $\pm$ 0.266 χ^2 /NDF:487.2/16

Left: 20.390 $\pm$ 0.185 χ^2 /NDF: 914.5/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.709 $\pm$ 0.266 χ^2 /NDF:487.2/16
 Out: 21.018 $\pm$ 0.256 χ^2 /NDF:414.7/18
 All: 20.390 $\pm$ 0.185 χ^2 /NDF: 914.5/35

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.981 ± 0.210 χ^2/NDF : 1197.8/16

Left Out: 41.989 ± 0.187 χ^2/NDF : 916.3/18

Right Out: 53.328 ± 0.227 χ^2/NDF : 872.7/18

Left In: 42.515 ± 0.199 χ^2/NDF : 1564.4/16

Left: 42.235 ± 0.136 χ^2/NDF : 2484.4/35

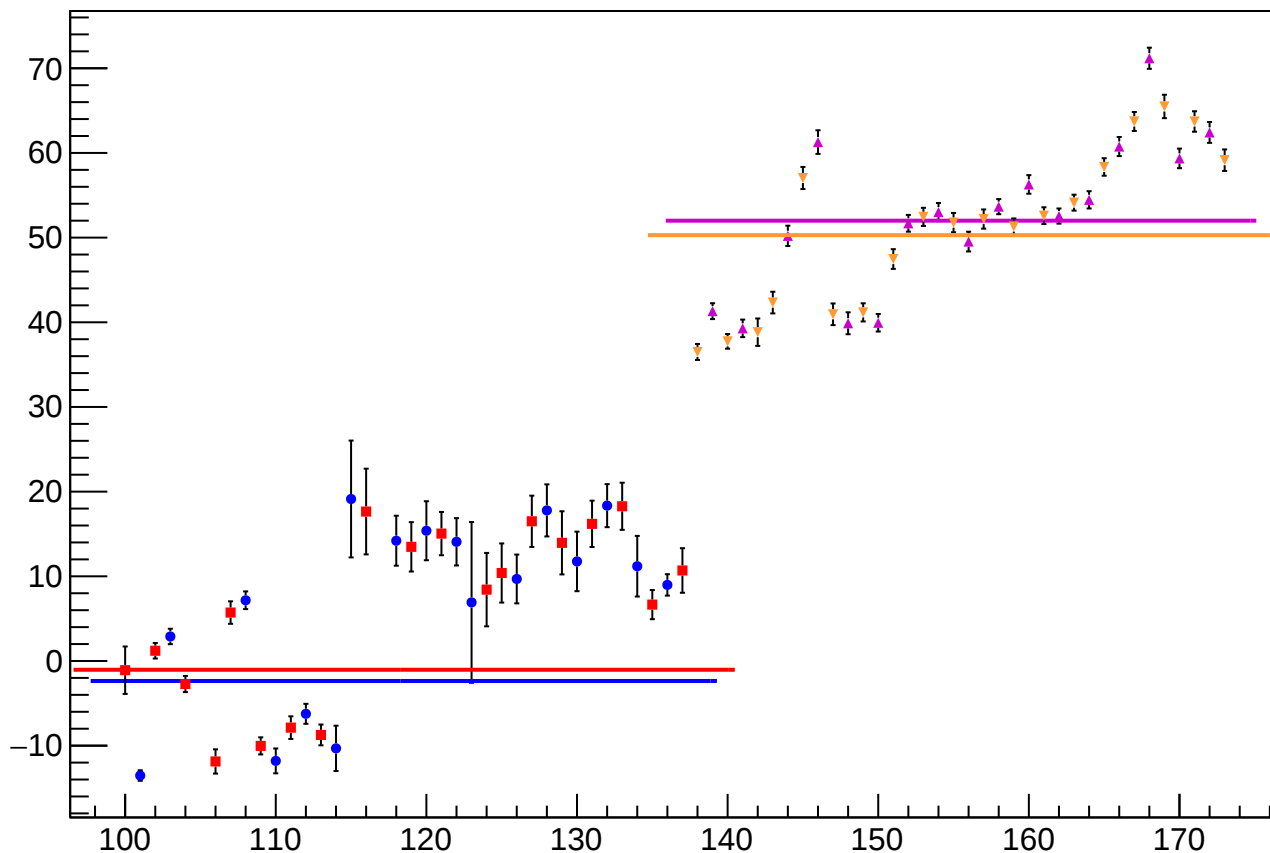
Right: 53.141 ± 0.154 χ^2/NDF : 2071.7/35

In: 47.459 ± 0.144 χ^2/NDF : 4070.7/33

Out: 46.569 ± 0.144 χ^2/NDF : 3280.4/37

All: 47.013 ± 0.102 χ^2/NDF : 7370.2/71

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.361 ± 0.364 χ^2/NDF : 840.8/16

Left Out: 50.291 ± 0.254 χ^2/NDF : 1200.3/18

Right Out: -1.035 ± 0.377 χ^2/NDF : 507.7/18

Left In: 52.000 ± 0.262 χ^2/NDF : 989.5/16

Left: 51.120 ± 0.182 χ^2/NDF : 2211.8/35

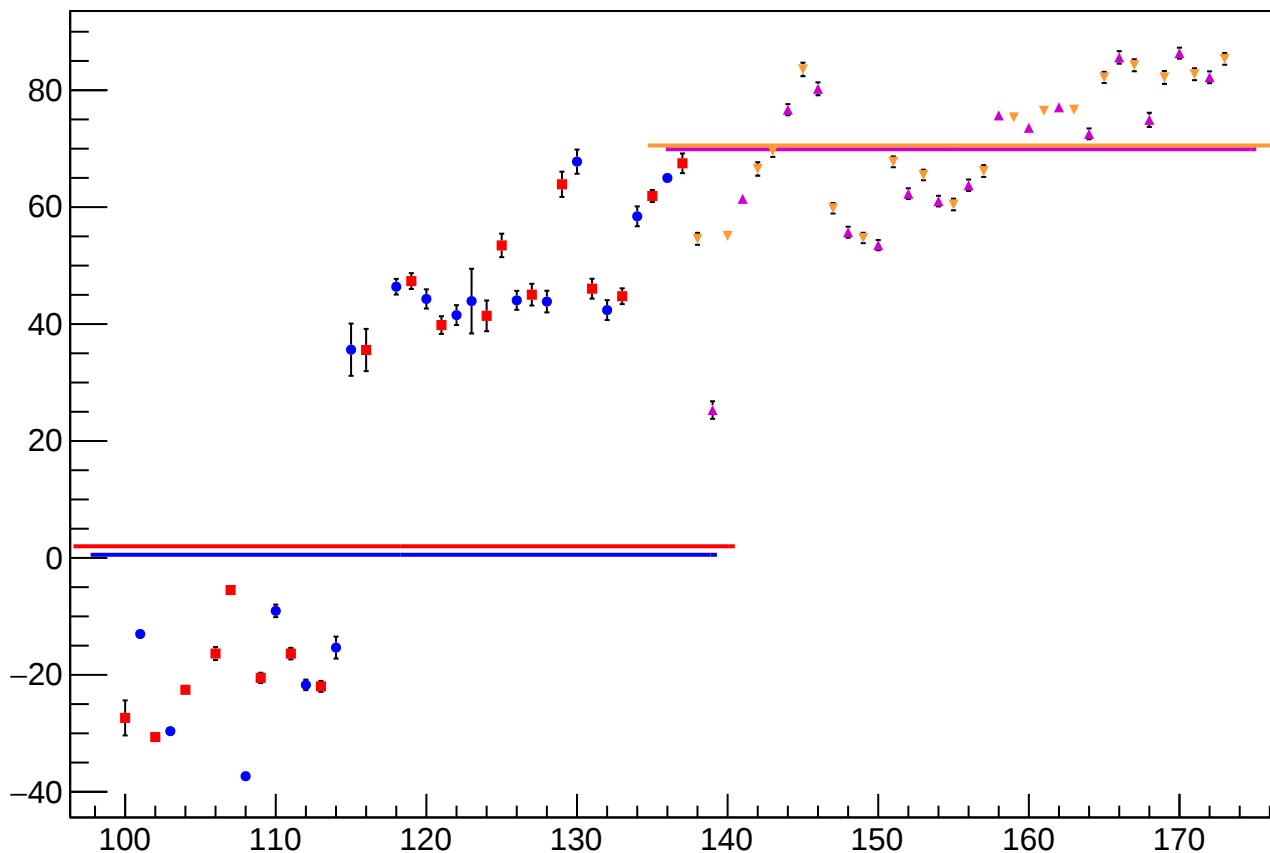
Right: -1.721 ± 0.262 χ^2/NDF : 1355.0/35

In: 33.441 ± 0.213 χ^2/NDF : 16534.5/33

Out: 34.256 ± 0.211 χ^2/NDF : 14458.6/37

All: 33.852 ± 0.150 χ^2/NDF : 31000.5/71

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.541 ± 0.247 χ^2/NDF : 18423.8/16

Left Out: 70.540 ± 0.214 χ^2/NDF : 2328.3/18

Right Out: 1.990 ± 0.267 χ^2/NDF : 15476.7/18

Left In: 69.899 ± 0.226 χ^2/NDF : 2774.7/16

Left: 70.237 ± 0.155 χ^2/NDF : 5107.3/35

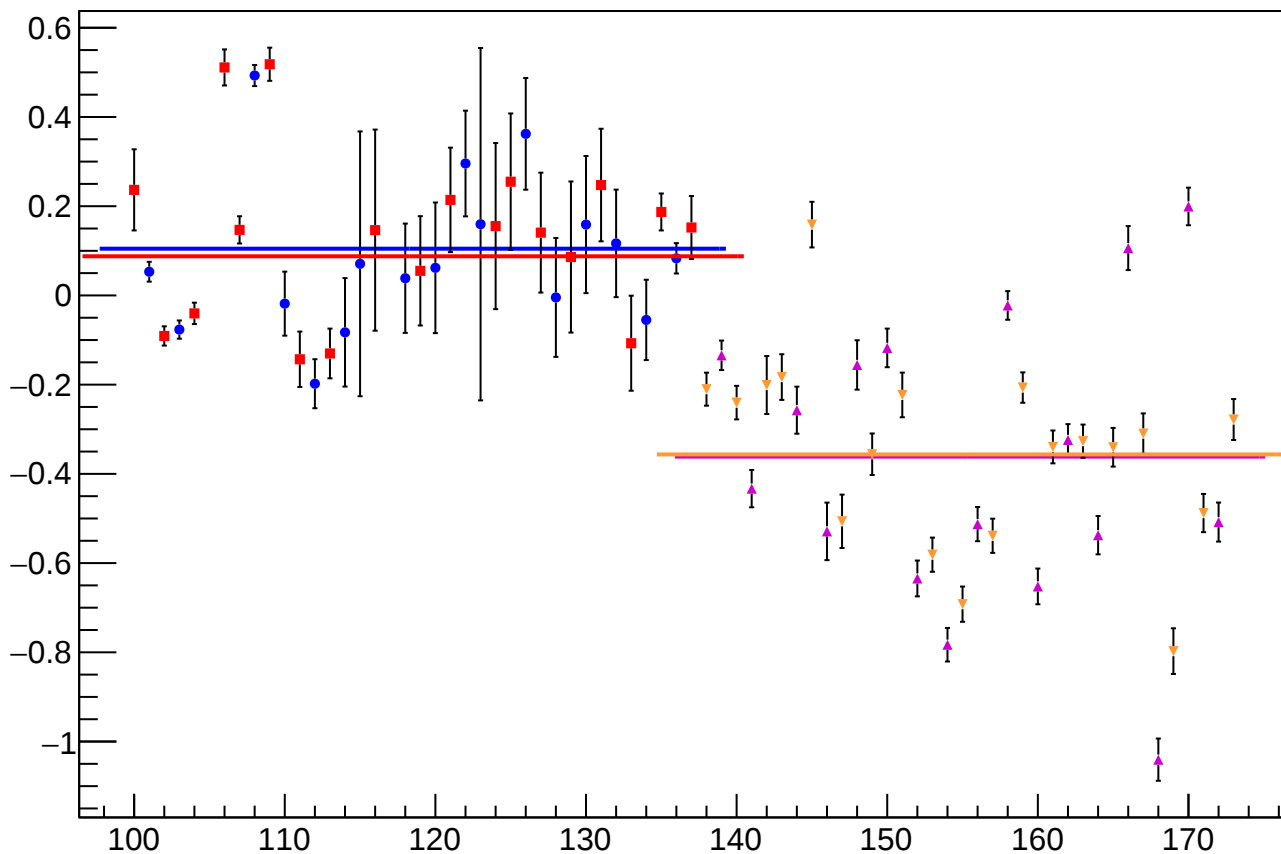
Right: 1.210 ± 0.181 χ^2/NDF : 33916.4/35

In: 38.241 ± 0.167 χ^2/NDF : 64159.3/33

Out: 43.662 ± 0.167 χ^2/NDF : 58021.6/37

All: 40.948 ± 0.118 χ^2/NDF : 122709.3/71

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.7/16

Left Out: -0.356 ± 0.010 χ^2/NDF : 394.3/18

Right Out: 0.088 ± 0.011 χ^2/NDF : 391.0/18

Left In: -0.361 ± 0.010 χ^2/NDF : 960.2/16

Left: -0.359 ± 0.007 χ^2/NDF : 1354.7/35

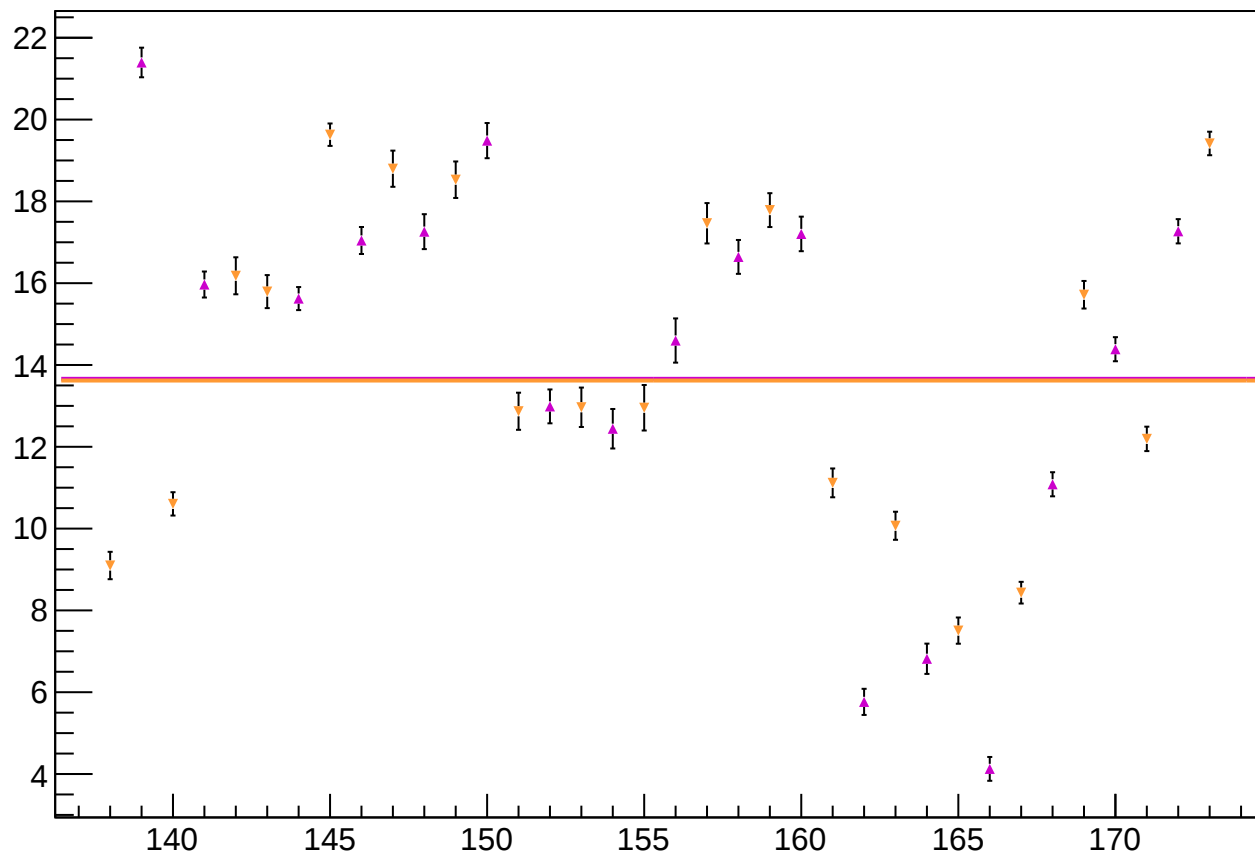
Right: 0.096 ± 0.008 χ^2/NDF : 792.9/35

In: -0.149 ± 0.007 χ^2/NDF : 2333.2/33

Out: -0.159 ± 0.007 χ^2/NDF : 1690.7/37

All: -0.154 ± 0.005 χ^2/NDF : 4024.8/71

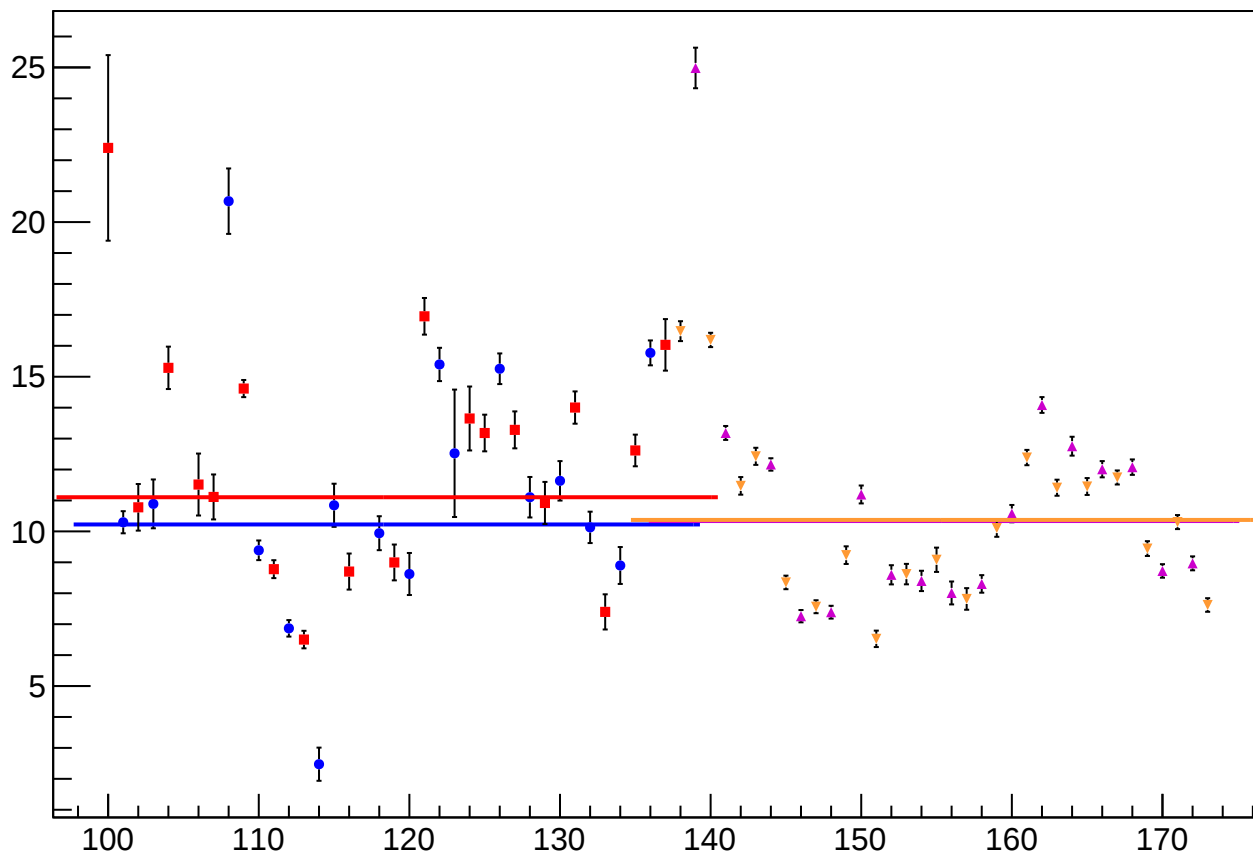
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 13.620+/-0.081 χ^2/NDF :2634.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 13.662+/-0.085 χ^2/NDF :3306.3/16

Left: 13.640+/-0.059 χ^2/NDF : 5941.2/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 13.662+/-0.085 χ^2/NDF :3306.3/16
 Out: 13.620+/-0.081 χ^2/NDF :2634.7/18
 All: 13.640+/-0.059 χ^2/NDF : 5941.2/35

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.224 ± 0.119 χ^2/NDF : 877.6/16

Left Out: 10.370 ± 0.060 χ^2/NDF : 1951.4/18

Right Out: 11.104 ± 0.116 χ^2/NDF : 817.2/18

Left In: 10.335 ± 0.062 χ^2/NDF : 1808.7/16

Left: 10.353 ± 0.043 χ^2/NDF : 3760.2/35

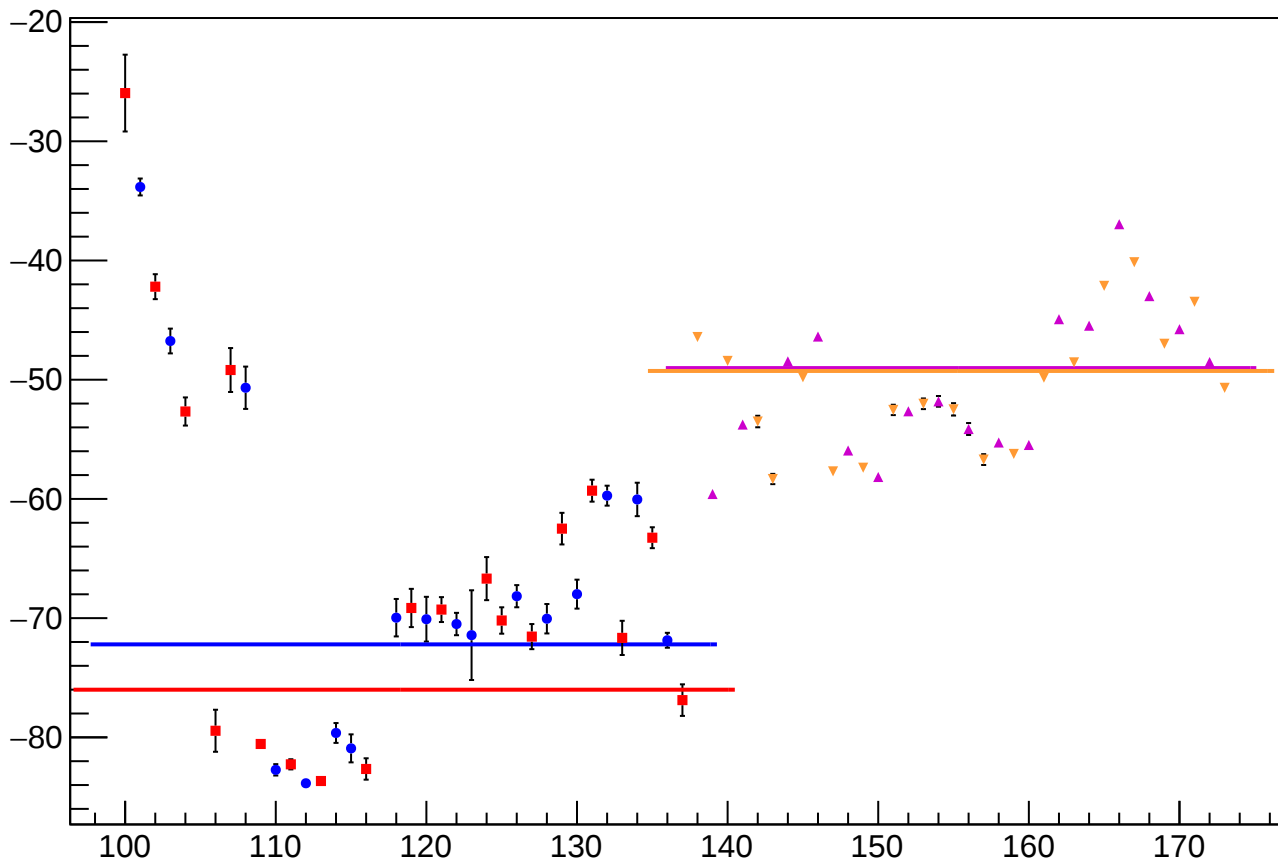
Right: 10.673 ± 0.083 χ^2/NDF : 1722.7/35

In: 10.311 ± 0.055 χ^2/NDF : 2686.9/33

Out: 10.523 ± 0.053 χ^2/NDF : 2800.1/37

All: 10.421 ± 0.038 χ^2/NDF : 5494.7/71

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.201 ± 0.198 χ^2/NDF : 5566.9/16

Left Out: -49.266 ± 0.082 χ^2/NDF : 4197.3/18

Right Out: -76.003 ± 0.181 χ^2/NDF : 3465.4/18

Left In: -49.026 ± 0.084 χ^2/NDF : 5041.3/16

Left: -49.149 ± 0.059 χ^2/NDF : 9242.8/35

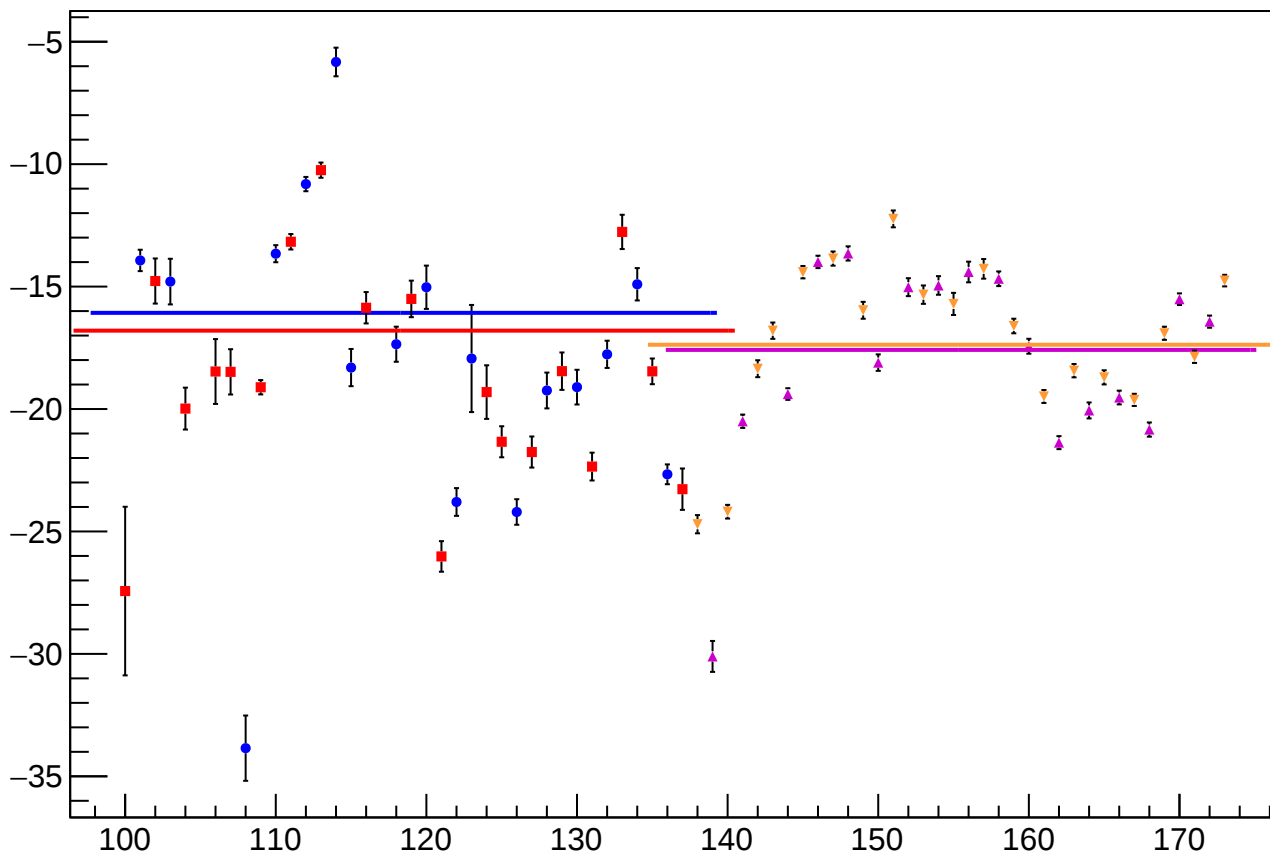
Right: -74.270 ± 0.133 χ^2/NDF : 9233.6/35

In: -52.595 ± 0.078 χ^2/NDF : 22234.2/33

Out: -53.804 ± 0.075 χ^2/NDF : 25793.1/37

All: -53.224 ± 0.054 χ^2/NDF : 48153.6/71

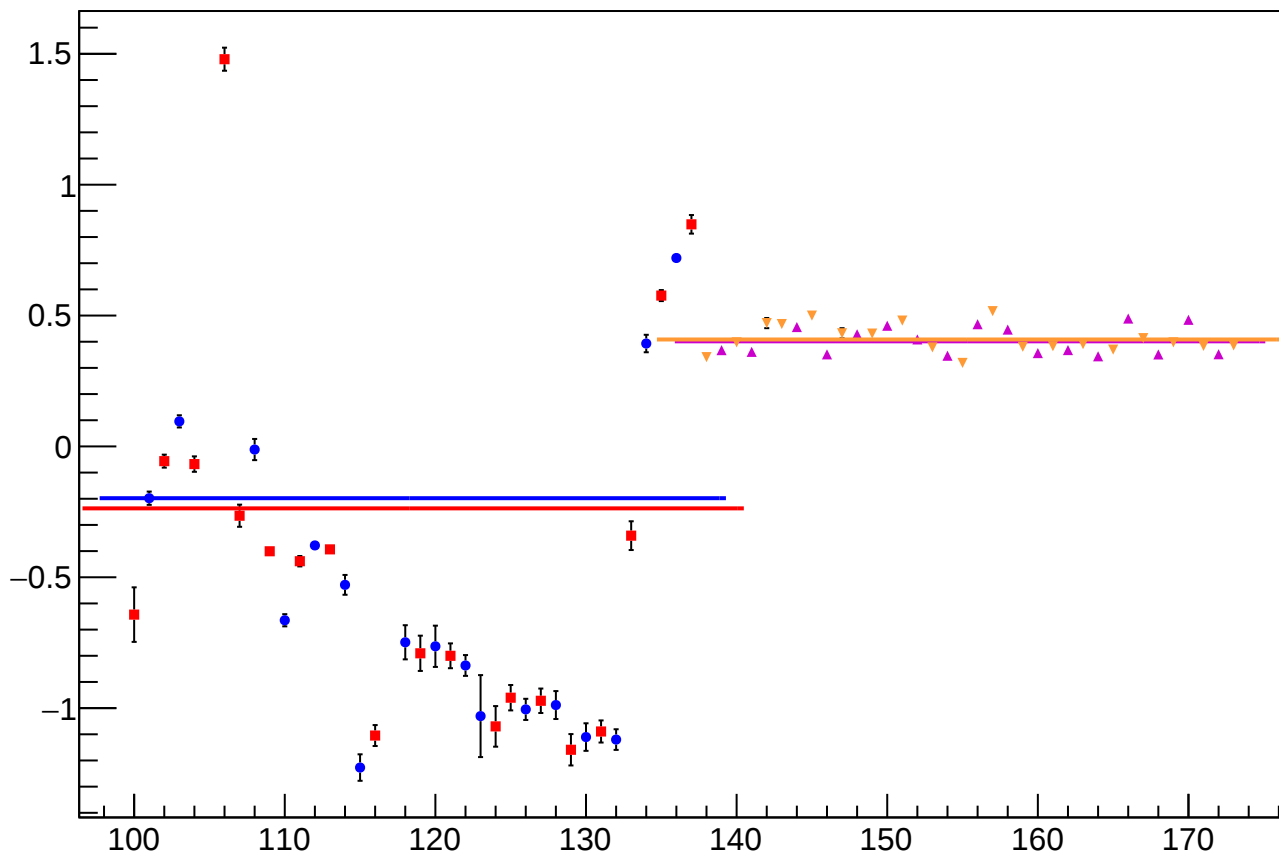
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.072 ± 0.132 $\chi^2/\text{NDF}: 1640.9/16$
 Left Out: -17.375 ± 0.068 $\chi^2/\text{NDF}: 1937.1/18$
 Right Out: -16.799 ± 0.128 $\chi^2/\text{NDF}: 1215.8/18$
 Left In: -17.586 ± 0.072 $\chi^2/\text{NDF}: 1732.3/16$

Left: -17.475 ± 0.049 $\chi^2/\text{NDF}: 3673.9/35$
 Right: -16.447 ± 0.092 $\chi^2/\text{NDF}: 2872.2/35$
 In: -17.241 ± 0.063 $\chi^2/\text{NDF}: 3474.5/33$
 Out: -17.247 ± 0.060 $\chi^2/\text{NDF}: 3168.6/37$
 All: -17.244 ± 0.044 $\chi^2/\text{NDF}: 6643.1/71$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.198 ± 0.008 χ^2/NDF : 6338.8/16

Left Out: 0.409 ± 0.003 χ^2/NDF : 233.7/18

Right Out: -0.237 ± 0.007 χ^2/NDF : 6221.9/18

Left In: 0.402 ± 0.003 χ^2/NDF : 272.3/16

Left: 0.405 ± 0.002 χ^2/NDF : 508.3/35

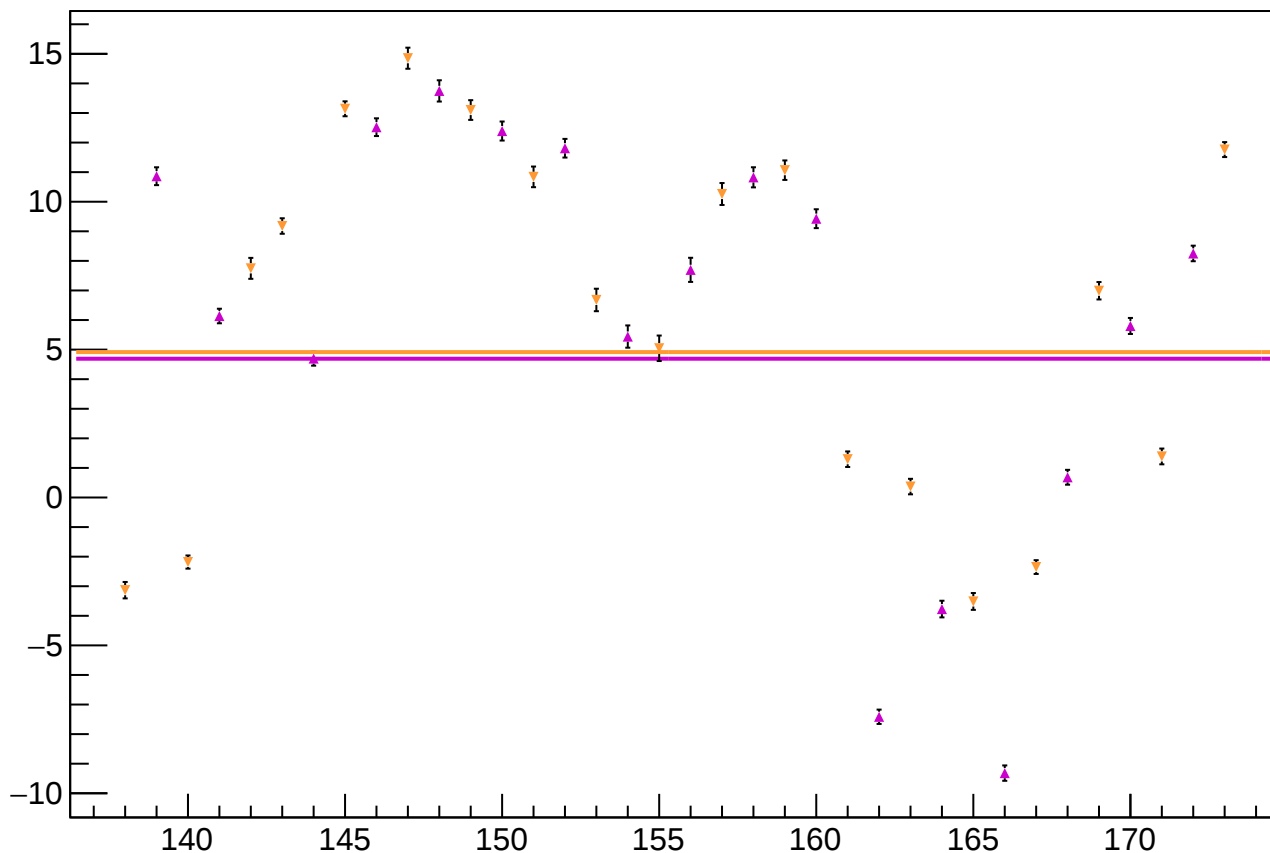
Right: -0.218 ± 0.005 χ^2/NDF : 12574.6/35

In: 0.305 ± 0.003 χ^2/NDF : 11918.0/33

Out: 0.303 ± 0.003 χ^2/NDF : 13226.1/37

All: 0.304 ± 0.002 χ^2/NDF : 25144.3/71

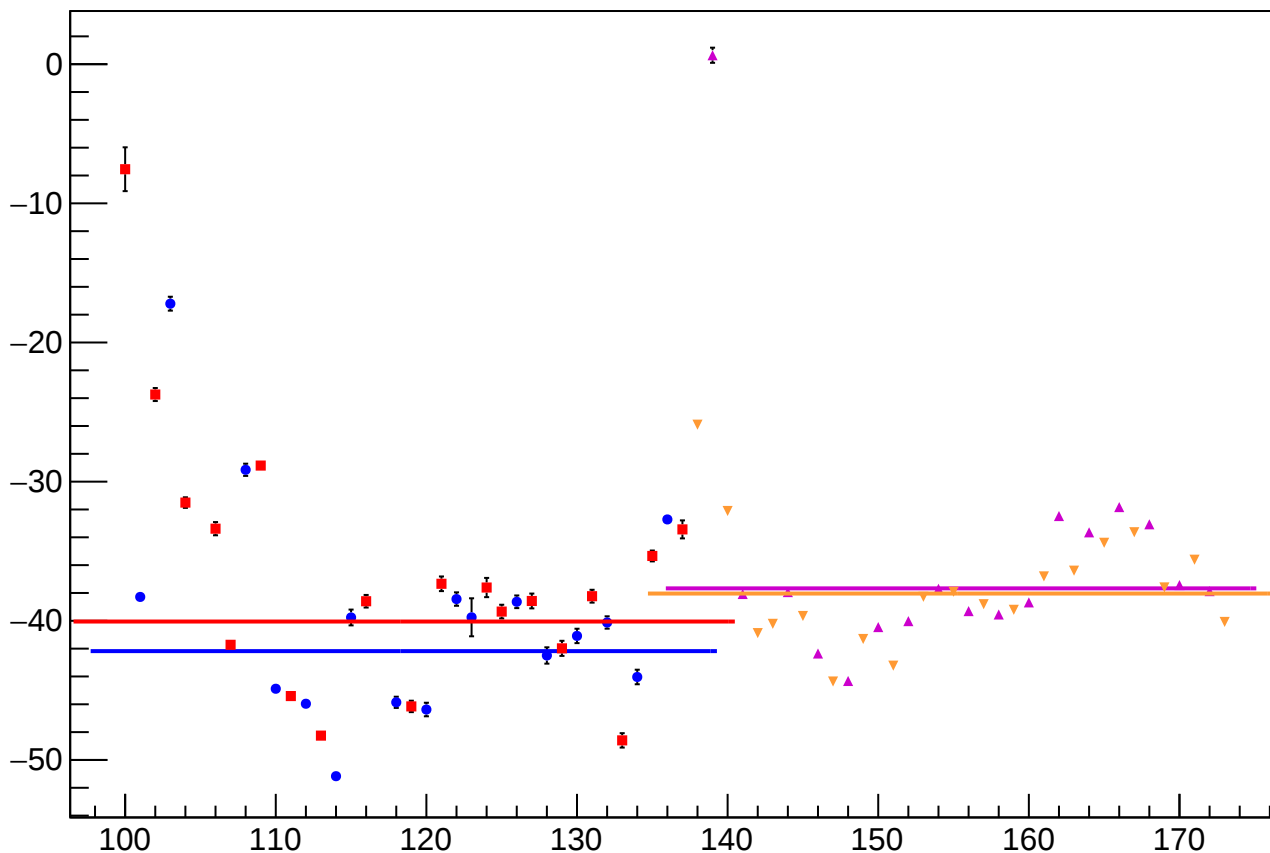
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.916 $\pm$ 0.066 χ^2 /NDF:8790.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.692 $\pm$ 0.070 χ^2 /NDF:10214.5/16

Left: 4.810 $\pm$ 0.048 χ^2 /NDF: 19010.1/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.692 $\pm$ 0.070 χ^2 /NDF:10214.5/16
 Out: 4.916 $\pm$ 0.066 χ^2 /NDF:8790.2/18
 All: 4.810 $\pm$ 0.048 χ^2 /NDF: 19010.1/35

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.179 $\pm$ 0.078 χ^2 /NDF: 6573.8/16

Left Out: -38.041 $\pm$ 0.048 χ^2 /NDF: 6844.3/18

Right Out: -40.052 $\pm$ 0.073 χ^2 /NDF: 11313.5/18

Left In: -37.669 $\pm$ 0.052 χ^2 /NDF: 9513.8/16

Left: -37.868 $\pm$ 0.035 χ^2 /NDF: 16385.8/35

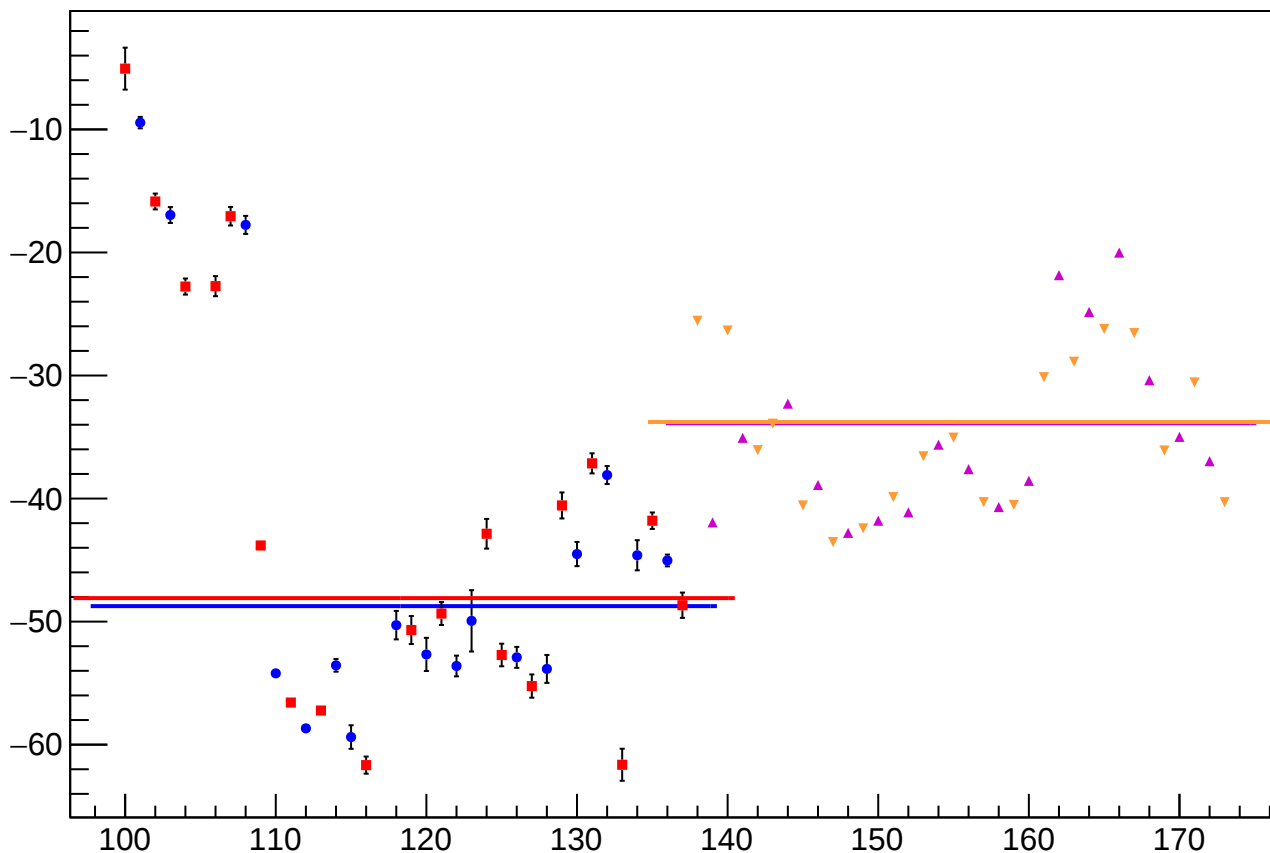
Right: -41.045 $\pm$ 0.053 χ^2 /NDF: 18285.9/35

In: -39.052 $\pm$ 0.043 χ^2 /NDF: 18418.7/33

Out: -38.656 $\pm$ 0.040 χ^2 /NDF: 18687.6/37

All: -38.841 $\pm$ 0.029 χ^2 /NDF: 37151.4/71

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.743 ± 0.124 $\chi^2/\text{NDF}: 14658.5/16$

Left Out: -33.775 ± 0.067 $\chi^2/\text{NDF}: 8323.1/18$

Right Out: -48.091 ± 0.107 $\chi^2/\text{NDF}: 11731.5/18$

Left In: -33.884 ± 0.069 $\chi^2/\text{NDF}: 10610.5/16$

Left: -33.827 ± 0.048 $\chi^2/\text{NDF}: 18934.9/35$

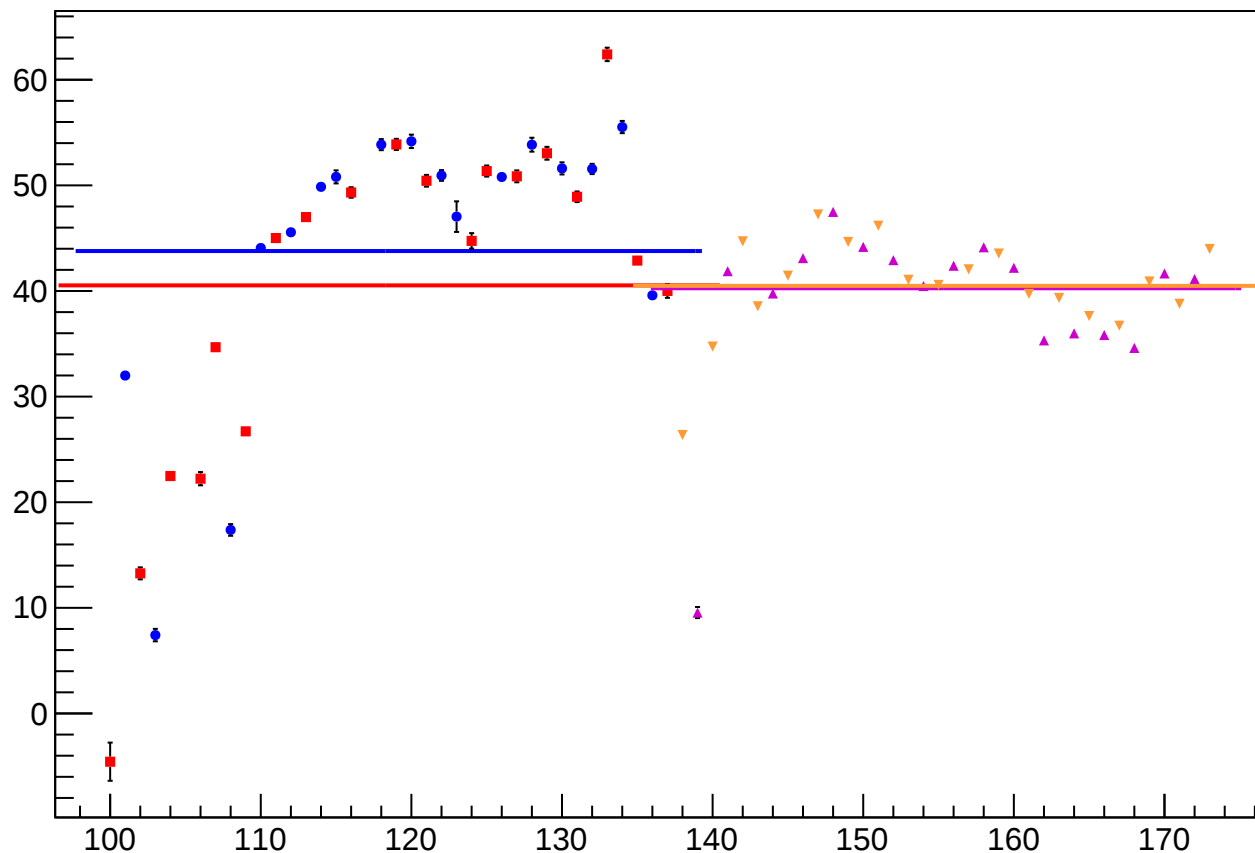
Right: -48.369 ± 0.081 $\chi^2/\text{NDF}: 26405.8/35$

In: -37.413 ± 0.061 $\chi^2/\text{NDF}: 36142.3/33$

Out: -37.760 ± 0.057 $\chi^2/\text{NDF}: 32919.2/37$

All: -37.599 ± 0.041 $\chi^2/\text{NDF}: 69079.0/71$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.782 $\pm$ 0.087 χ^2 /NDF: 10638.7/16

Left Out: 40.487 $\pm$ 0.055 χ^2 /NDF: 5656.7/18

Right Out: 40.530 $\pm$ 0.080 χ^2 /NDF: 17580.7/18

Left In: 40.256 $\pm$ 0.059 χ^2 /NDF: 6995.0/16

Left: 40.379 $\pm$ 0.041 χ^2 /NDF: 12659.8/35

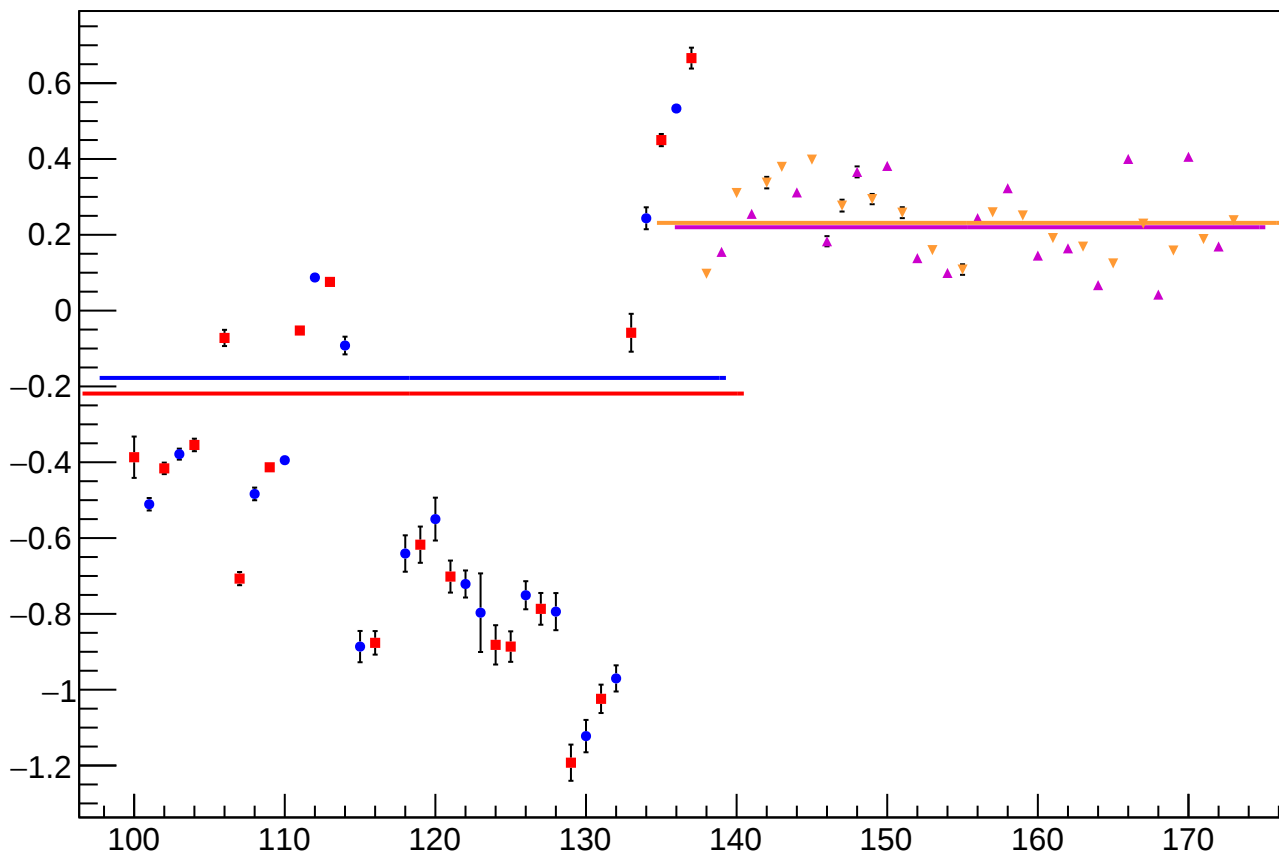
Right: 42.031 $\pm$ 0.059 χ^2 /NDF: 28978.3/35

In: 41.380 $\pm$ 0.049 χ^2 /NDF: 18762.7/33

Out: 40.501 $\pm$ 0.046 χ^2 /NDF: 23237.6/37

All: 40.910 $\pm$ 0.033 χ^2 /NDF: 42172.8/71

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.178 ± 0.005 χ^2/NDF : 7375.8/16

Left Out: 0.231 ± 0.003 χ^2/NDF : 1016.5/18

Right Out: -0.219 ± 0.004 χ^2/NDF : 7470.0/18

Left In: 0.220 ± 0.003 χ^2/NDF : 1830.6/16

Left: 0.226 ± 0.002 χ^2/NDF : 2856.6/35

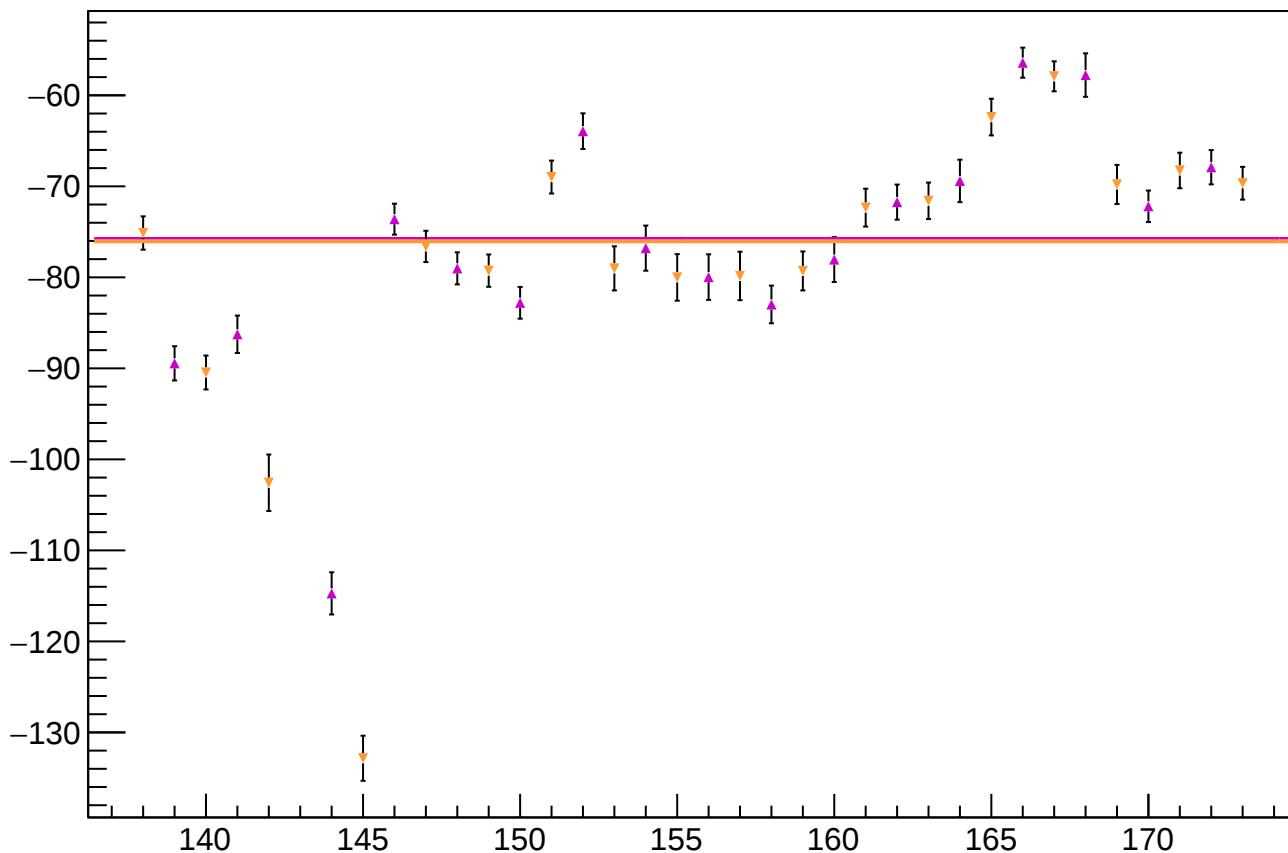
Right: -0.201 ± 0.003 χ^2/NDF : 14886.5/35

In: 0.125 ± 0.002 χ^2/NDF : 14344.9/33

Out: 0.112 ± 0.002 χ^2/NDF : 16531.9/37

All: 0.118 ± 0.002 χ^2/NDF : 30892.9/71

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -76.032+/-0.478 χ^2/NDF : 898.4/17

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

Left In: -75.785+/-0.483 χ^2/NDF : 663.0/16

Left: -75.910+/-0.340 χ^2/NDF : 1561.4/34

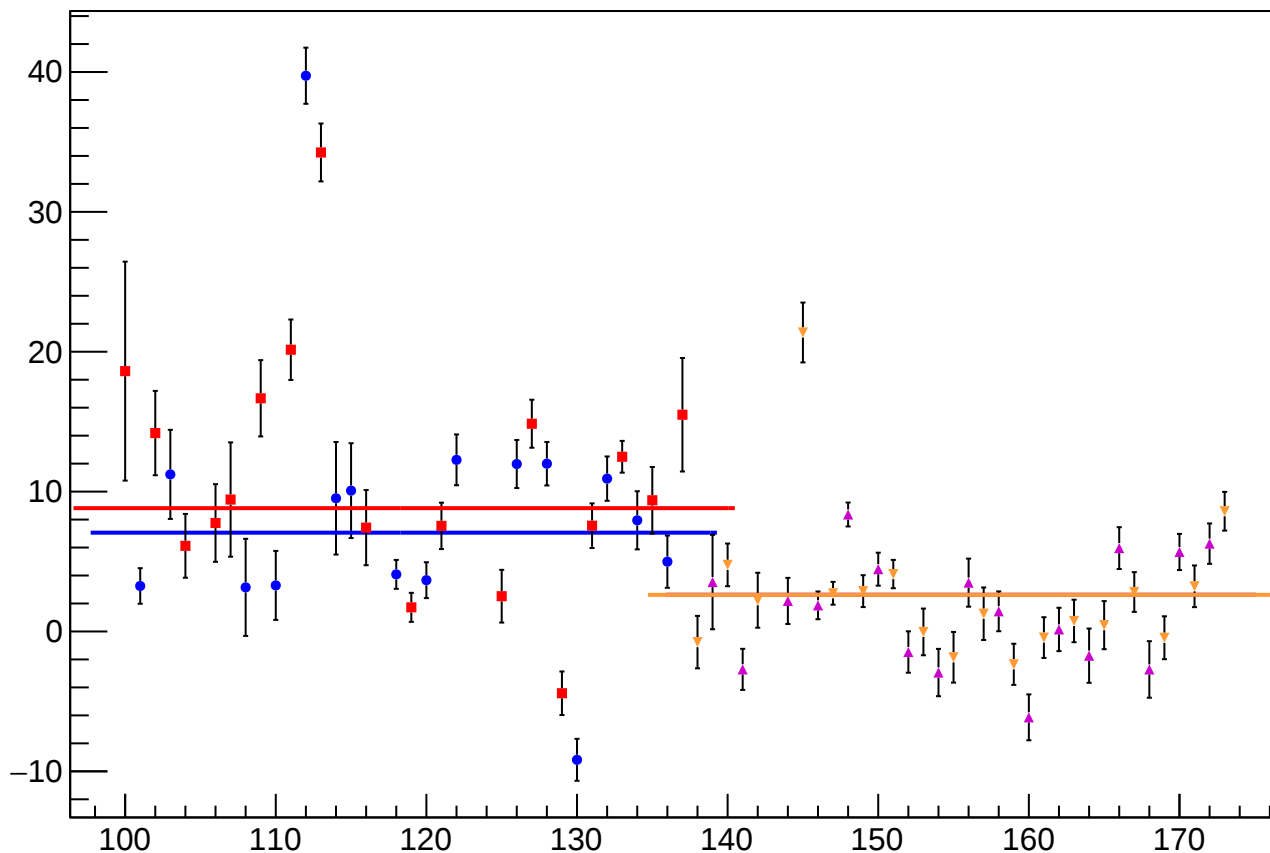
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -75.785+/-0.483 χ^2/NDF : 663.0/16

Out: -76.032+/-0.478 χ^2/NDF : 898.4/17

All: -75.910+/-0.340 χ^2/NDF : 1561.4/34

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.063 ± 0.434 $\chi^2/\text{NDF}: 446.9/15$

Left Out: 2.618 ± 0.334 $\chi^2/\text{NDF}: 135.1/17$

Right Out: 8.816 ± 0.449 $\chi^2/\text{NDF}: 350.4/17$

Left In: 2.628 ± 0.343 $\chi^2/\text{NDF}: 140.8/16$

Left: 2.623 ± 0.239 $\chi^2/\text{NDF}: 275.9/34$

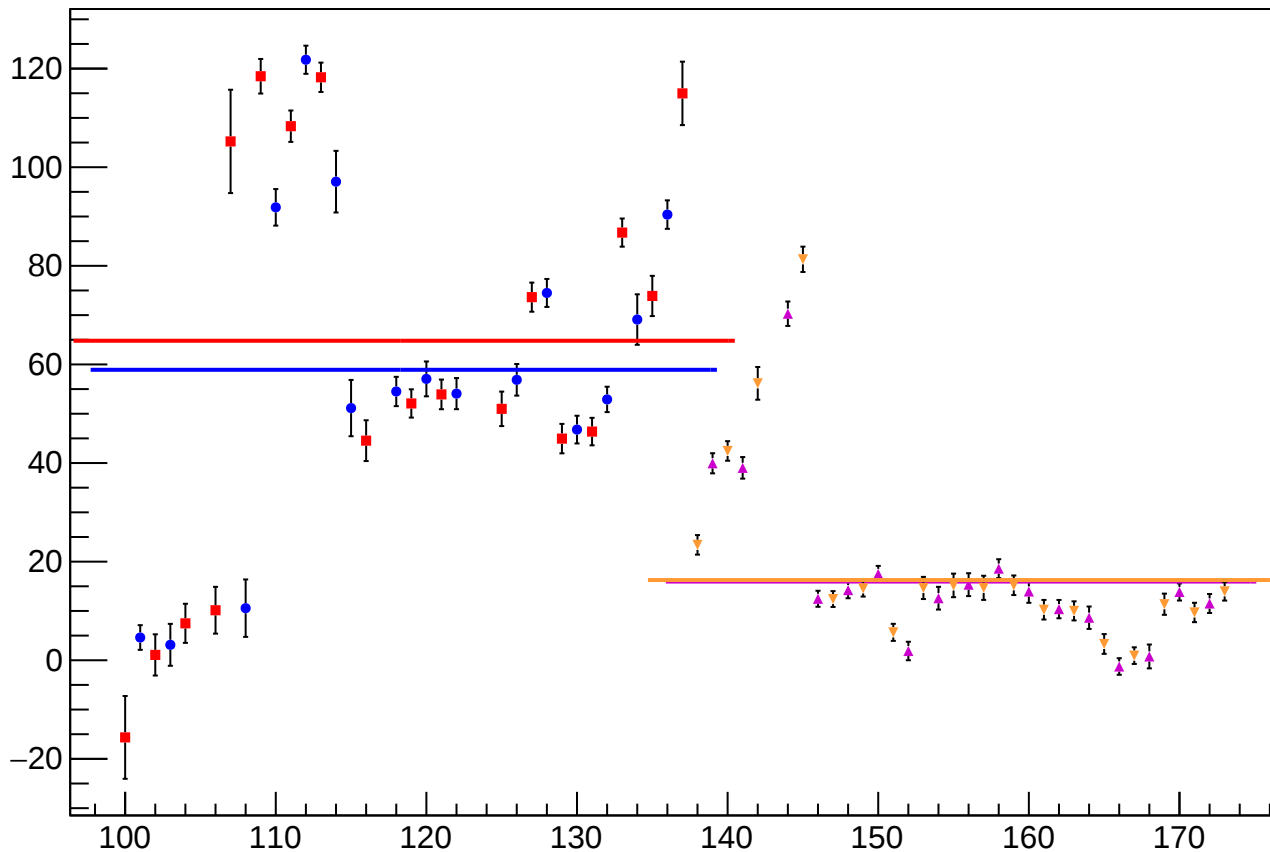
Right: 7.909 ± 0.312 $\chi^2/\text{NDF}: 805.1/33$

In: 4.338 ± 0.269 $\chi^2/\text{NDF}: 651.9/32$

Out: 4.822 ± 0.268 $\chi^2/\text{NDF}: 608.3/35$

All: 4.581 ± 0.190 $\chi^2/\text{NDF}: 1261.8/68$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.913 $\pm$ 0.831 χ^2 /NDF: 1496.7/15

Left Out: 16.270 $\pm$ 0.471 χ^2 /NDF:1180.6/17

Right Out: 64.803 $\pm$ 0.840 χ^2 /NDF: 1718.2/17

Left In: 15.959 $\pm$ 0.473 χ^2 /NDF:968.9/16

Left: 16.115 $\pm$ 0.334 χ^2 /NDF: 2149.6/34

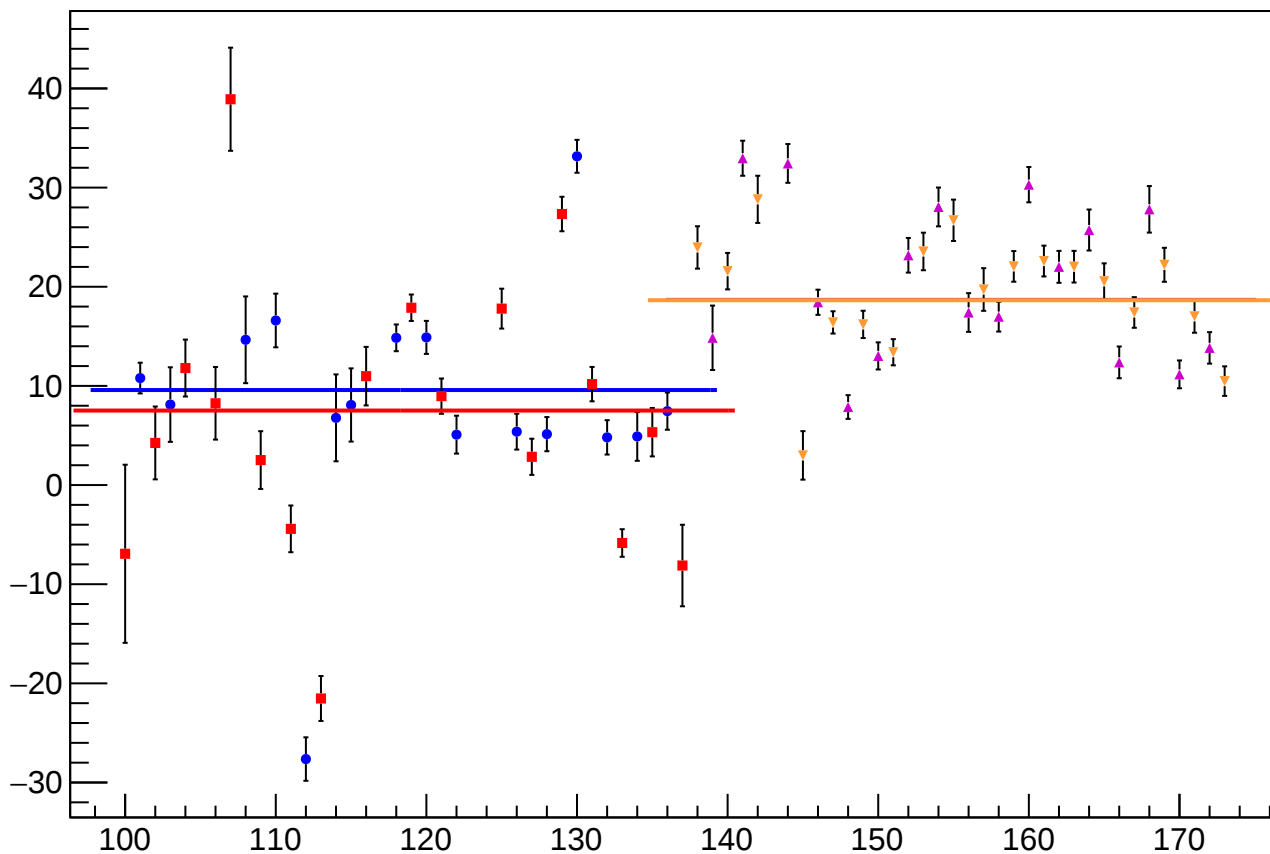
Right: 61.827 $\pm$ 0.591 χ^2 /NDF: 3239.7/33

In: 26.470 $\pm$ 0.411 χ^2 /NDF:4481.5/32

Out: 27.868 $\pm$ 0.411 χ^2 /NDF:5437.7/35

All: 27.170 $\pm$ 0.291 χ^2 /NDF: 9925.0/68

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.583 ± 0.501 $\chi^2/\text{NDF}: 554.4/15$

Left Out: 18.641 ± 0.390 $\chi^2/\text{NDF}: 165.7/17$

Right Out: 7.516 ± 0.516 $\chi^2/\text{NDF}: 569.8/17$

Left In: 18.675 ± 0.400 $\chi^2/\text{NDF}: 373.4/16$

Left: 18.657 ± 0.279 $\chi^2/\text{NDF}: 539.1/34$

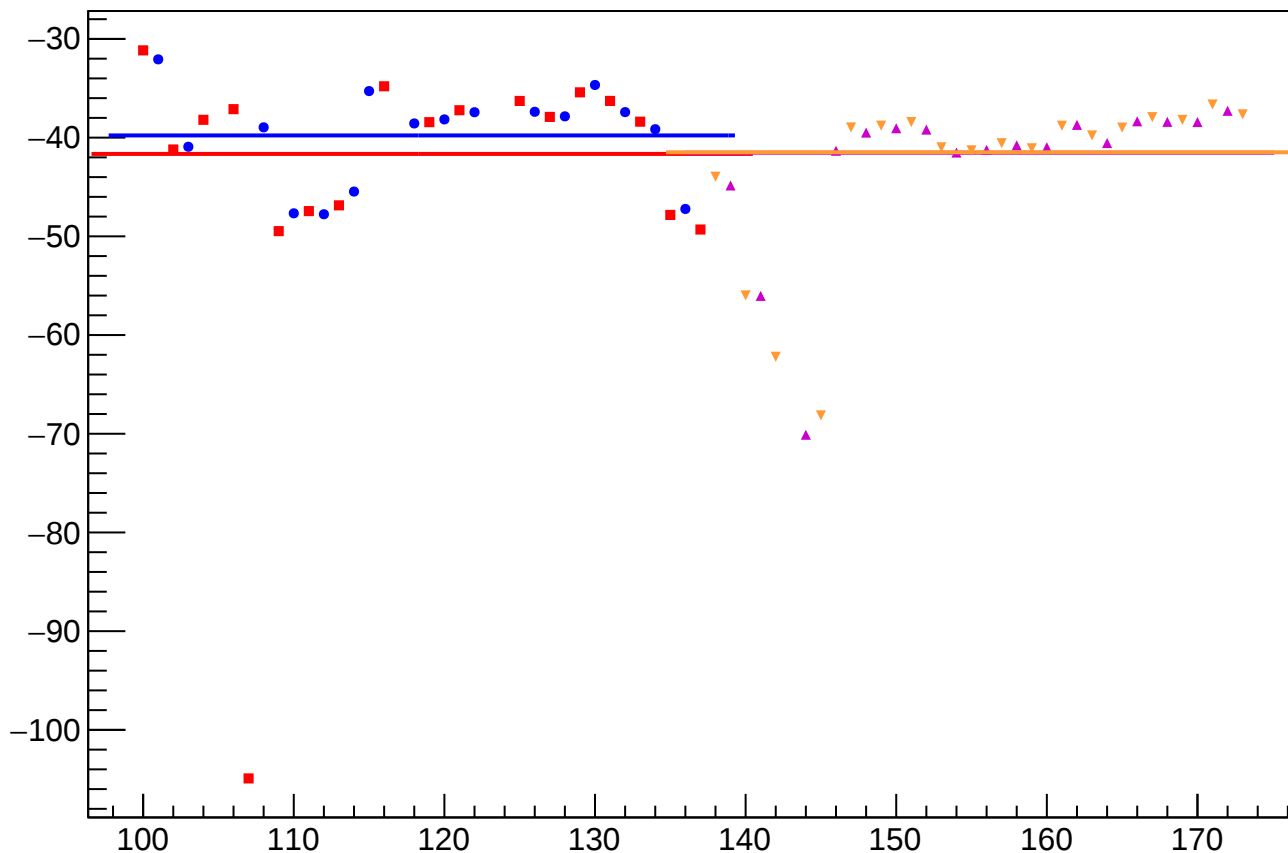
Right: 8.579 ± 0.359 $\chi^2/\text{NDF}: 1132.5/33$

In: 15.132 ± 0.313 $\chi^2/\text{NDF}: 1128.7/32$

Out: 14.596 ± 0.311 $\chi^2/\text{NDF}: 1031.7/35$

All: 14.862 ± 0.221 $\chi^2/\text{NDF}: 2161.9/68$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.777 ± 0.031 χ^2/NDF : 26158.0/15

Left Out: -41.484 ± 0.018 χ^2/NDF : 141355.8/17

Right Out: -41.651 ± 0.031 χ^2/NDF : 94457.5/17

Left In: -41.531 ± 0.019 χ^2/NDF : 112142.0/16

Left: -41.507 ± 0.013 χ^2/NDF : 253501.1/34

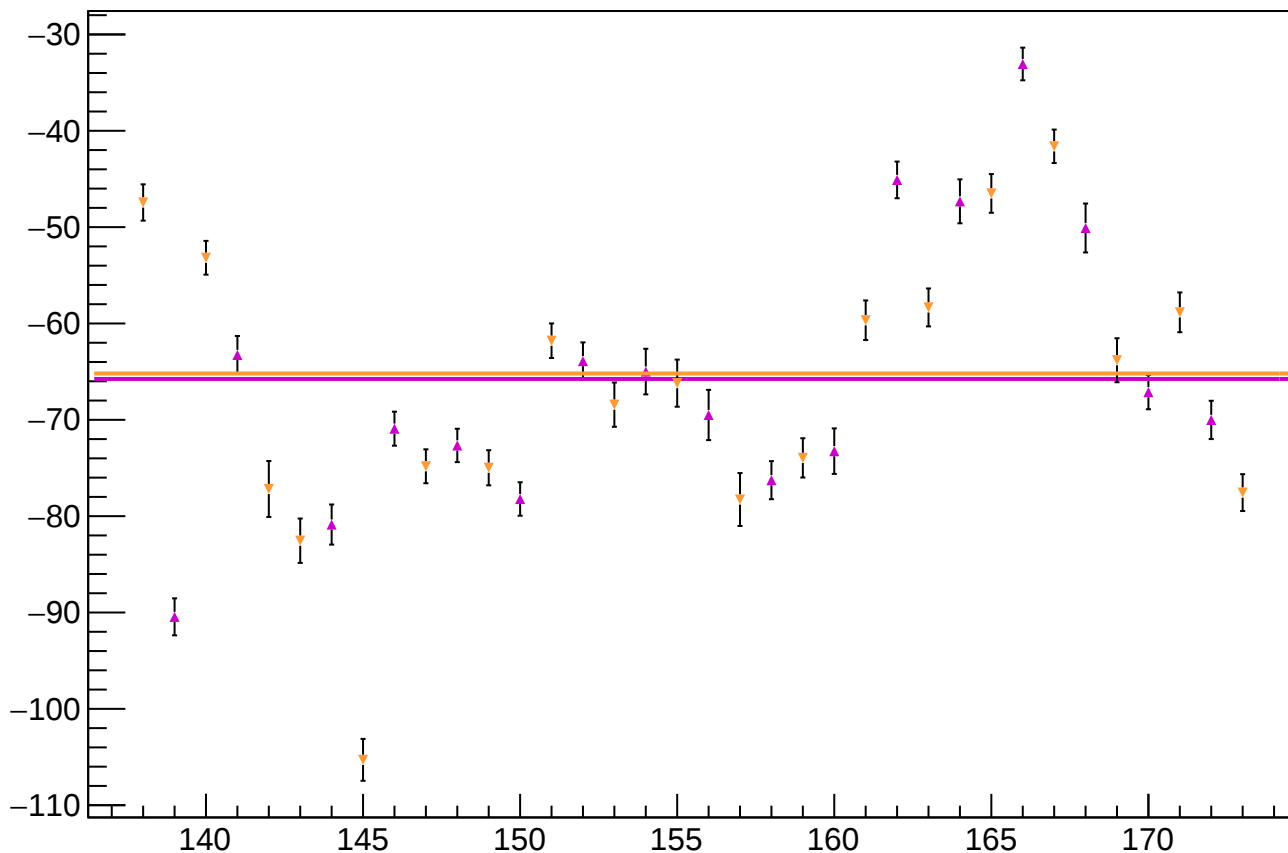
Right: -40.710 ± 0.022 χ^2/NDF : 122427.7/33

In: -41.069 ± 0.016 χ^2/NDF : 140648.5/32

Out: -41.527 ± 0.016 χ^2/NDF : 235834.6/35

All: -41.299 ± 0.011 χ^2/NDF : 376897.4/68

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -65.191+/-0.468 χ^2/NDF :997.3/18

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

Left In: -65.761+/-0.481 χ^2/NDF :936.4/16

Left: -65.468+/-0.336 χ^2/NDF : 1934.4/35

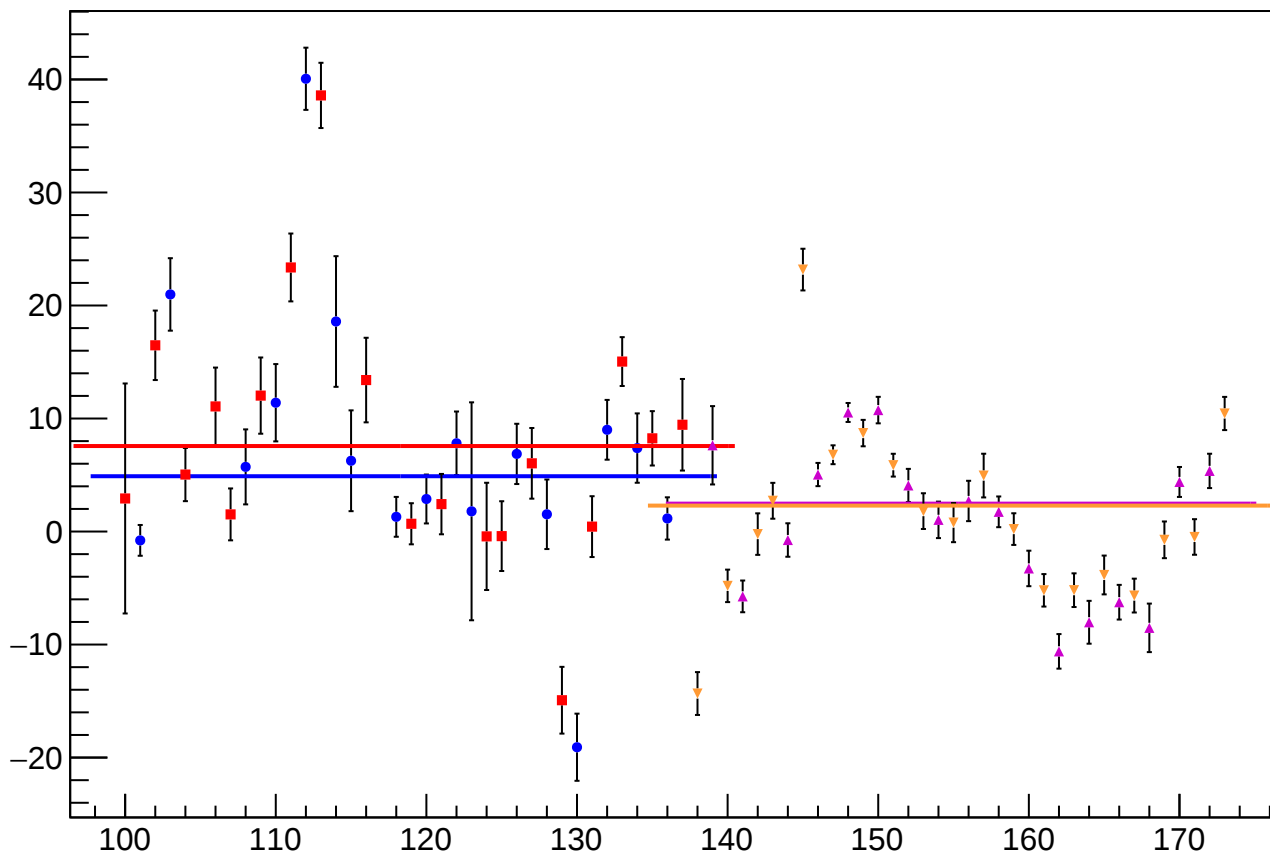
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.761+/-0.481 χ^2/NDF :936.4/16

Out: -65.191+/-0.468 χ^2/NDF :997.3/18

All: -65.468+/-0.336 χ^2/NDF : 1934.4/35

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.894 ± 0.621 χ^2/NDF : 295.4/16

Left Out: 2.295 ± 0.327 χ^2/NDF : 439.0/18

Right Out: 7.565 ± 0.652 χ^2/NDF : 270.2/18

Left In: 2.469 ± 0.341 χ^2/NDF : 373.2/16

Left: 2.378 ± 0.236 χ^2/NDF : 812.4/35

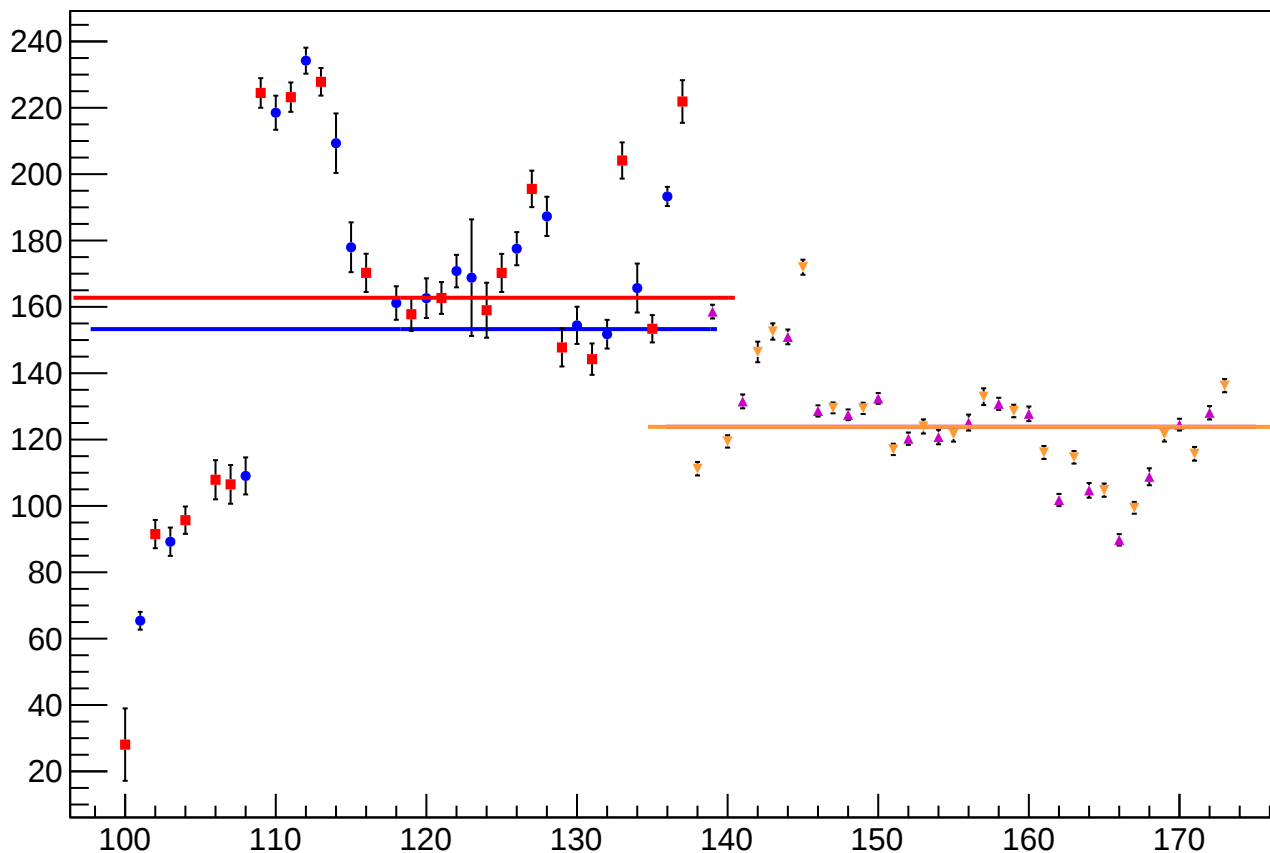
Right: 6.165 ± 0.450 χ^2/NDF : 574.4/35

In: 3.030 ± 0.299 χ^2/NDF : 680.3/33

Out: 3.353 ± 0.292 χ^2/NDF : 761.5/37

All: 3.195 ± 0.209 χ^2/NDF : 1442.4/71

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.298 $\pm$ 1.145 χ^2 /NDF: 2266.8/16

Left Out: 123.841 $\pm$ 0.463 χ^2 /NDF:1114.9/18

Right Out: 162.747 $\pm$ 1.177 χ^2 /NDF: 1708.7/18

Left In: 123.854 $\pm$ 0.472 χ^2 /NDF:1154.1/16

Left: 123.847 $\pm$ 0.330 χ^2 /NDF: 2268.9/35

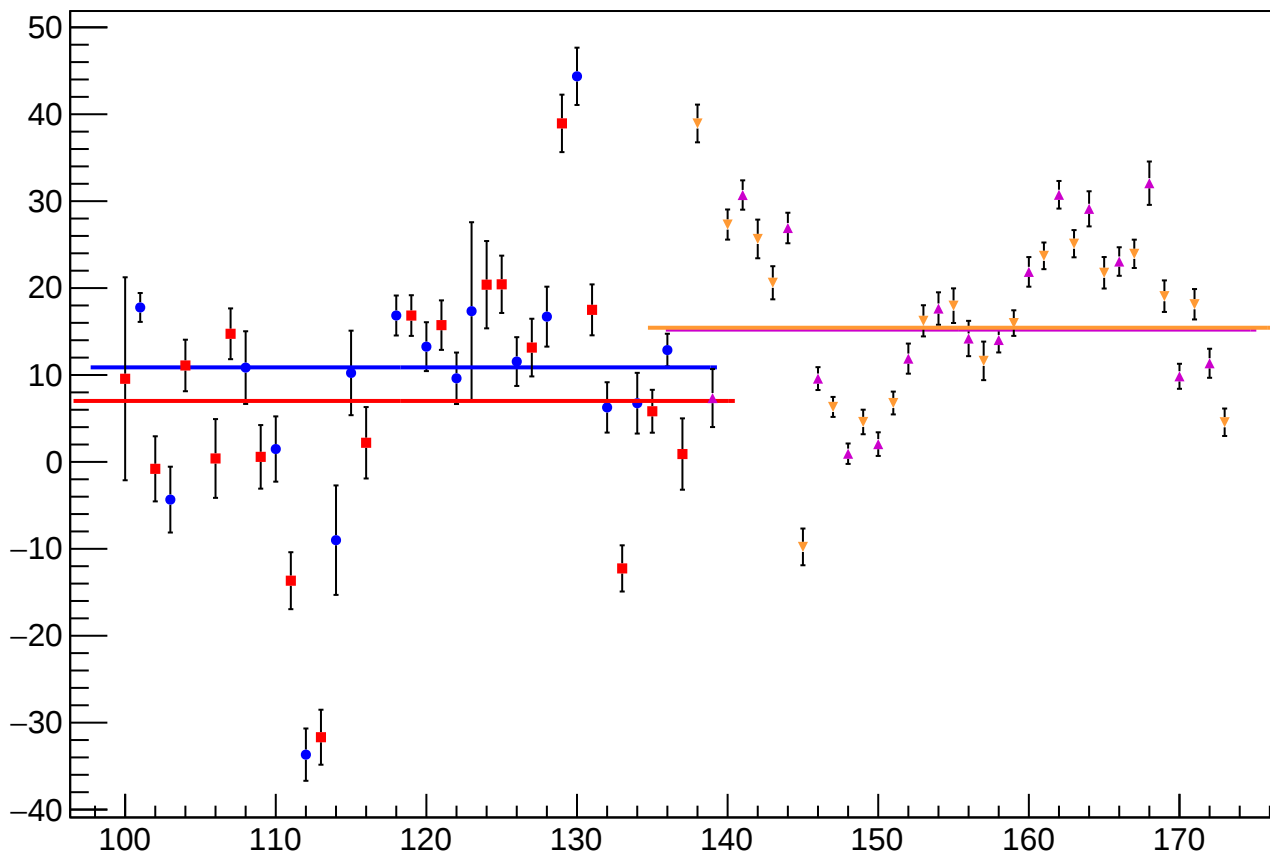
Right: 157.893 $\pm$ 0.820 χ^2 /NDF: 4008.6/35

In: 128.128 $\pm$ 0.436 χ^2 /NDF:3986.4/33

Out: 129.050 $\pm$ 0.431 χ^2 /NDF:3770.6/37

All: 128.595 $\pm$ 0.306 χ^2 /NDF: 7759.2/71

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.878 $\pm$ 0.713 χ^2 /NDF: 388.1/16

Left Out: 15.437 $\pm$ 0.382 χ^2 /NDF:665.6/18

Right Out: 7.014 $\pm$ 0.748 χ^2 /NDF: 424.5/18

Left In: 15.223 $\pm$ 0.398 χ^2 /NDF:645.8/16

Left: 15.334 $\pm$ 0.276 χ^2 /NDF: 1311.6/35

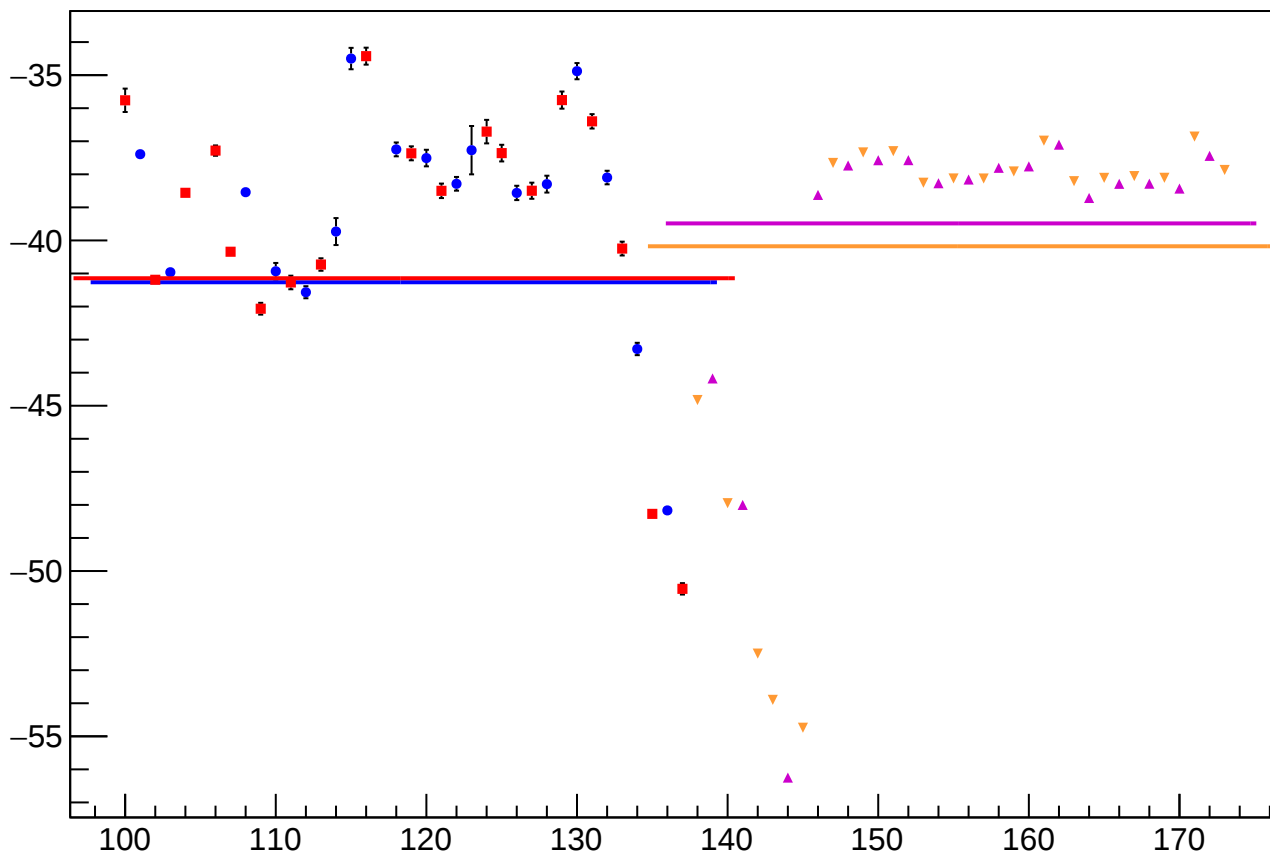
Right: 9.038 $\pm$ 0.516 χ^2 /NDF: 826.6/35

In: 14.192 $\pm$ 0.348 χ^2 /NDF:1062.2/33

Out: 13.696 $\pm$ 0.340 χ^2 /NDF:1190.7/37

All: 13.938 $\pm$ 0.243 χ^2 /NDF: 2253.9/71

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Left: -39.838 +/- 0.013 χ^2/NDF : 133664.4/35

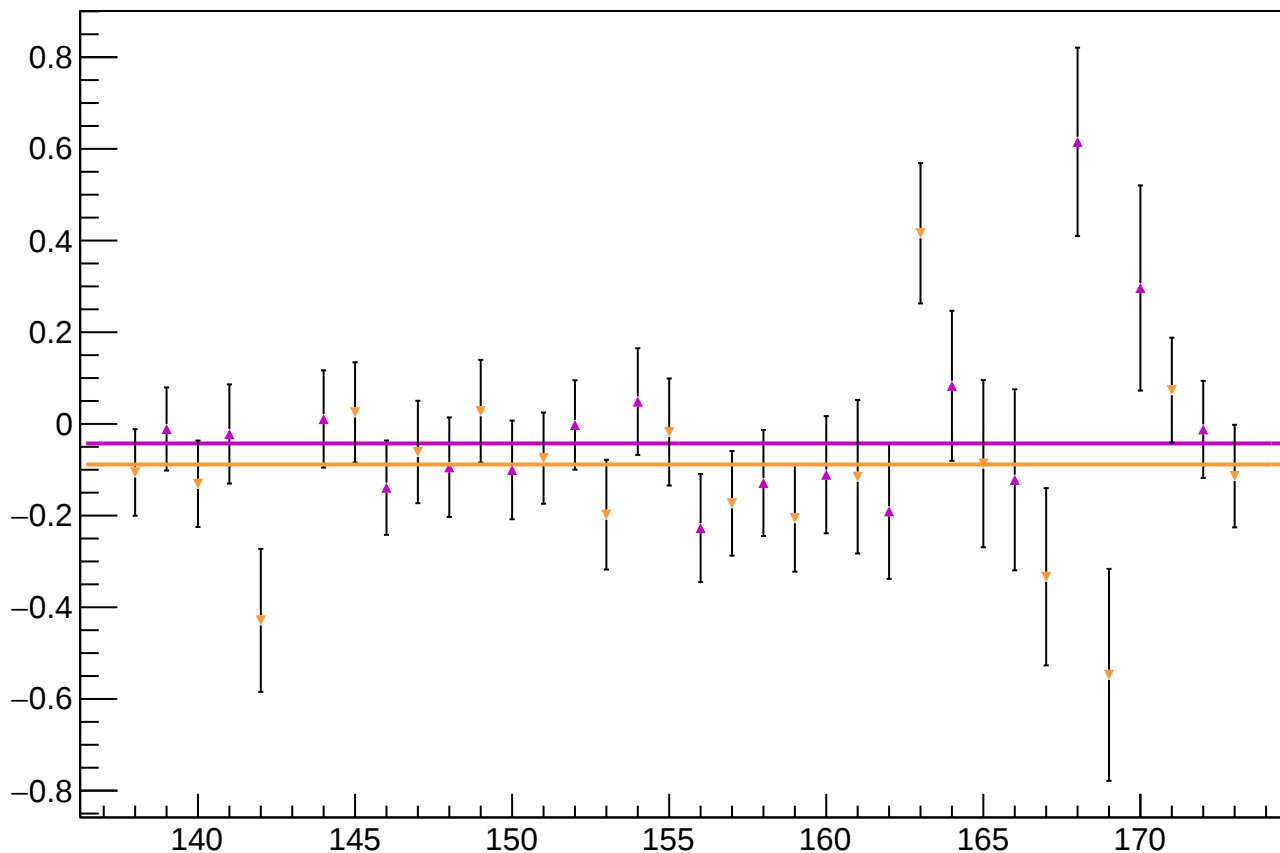
Right: -41.205 +/- 0.027 χ^2/NDF : 24793.7/35

In: -39.820 +/- 0.017 χ^2/NDF : 64636.1/33

Out: -40.352 +/- 0.016 χ^2/NDF : 95356.4/37

All: -40.090 +/- 0.012 χ^2/NDF : 160508.1/71

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.089 ± 0.029 $\chi^2/\text{NDF}: 28.5/17$

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

Left In: -0.043 ± 0.029 $\chi^2/\text{NDF}: 20.3/16$

Left: -0.066 ± 0.020 $\chi^2/\text{NDF}: 50.0/34$

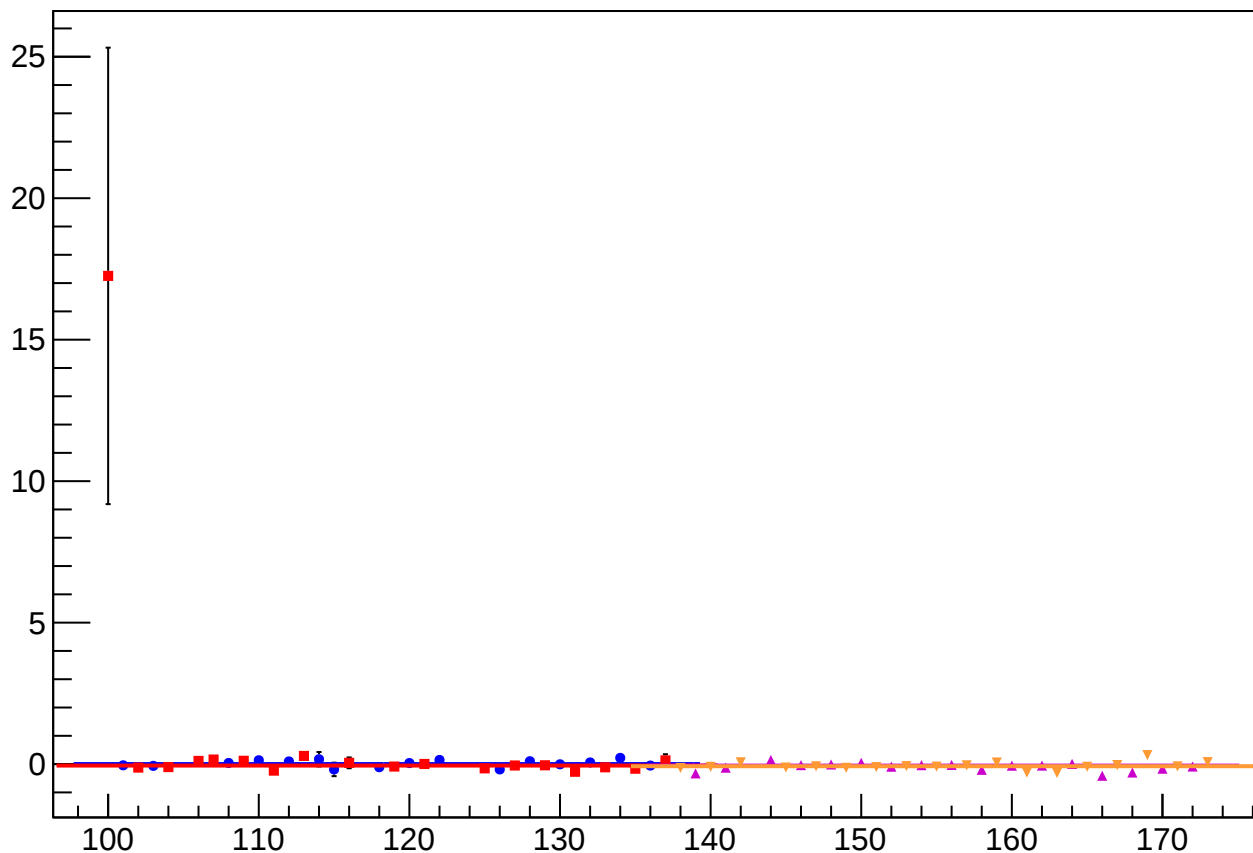
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -0.043 ± 0.029 $\chi^2/\text{NDF}: 20.3/16$

Out: -0.089 ± 0.029 $\chi^2/\text{NDF}: 28.5/17$

All: -0.066 ± 0.020 $\chi^2/\text{NDF}: 50.0/34$

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 12.5/15$

Left Out: -0.074 ± 0.020 $\chi^2/\text{NDF}: 22.7/17$

Right Out: -0.051 ± 0.029 $\chi^2/\text{NDF}: 25.8/17$

Left In: -0.053 ± 0.021 $\chi^2/\text{NDF}: 23.5/16$

Left: -0.064 ± 0.014 $\chi^2/\text{NDF}: 46.8/34$

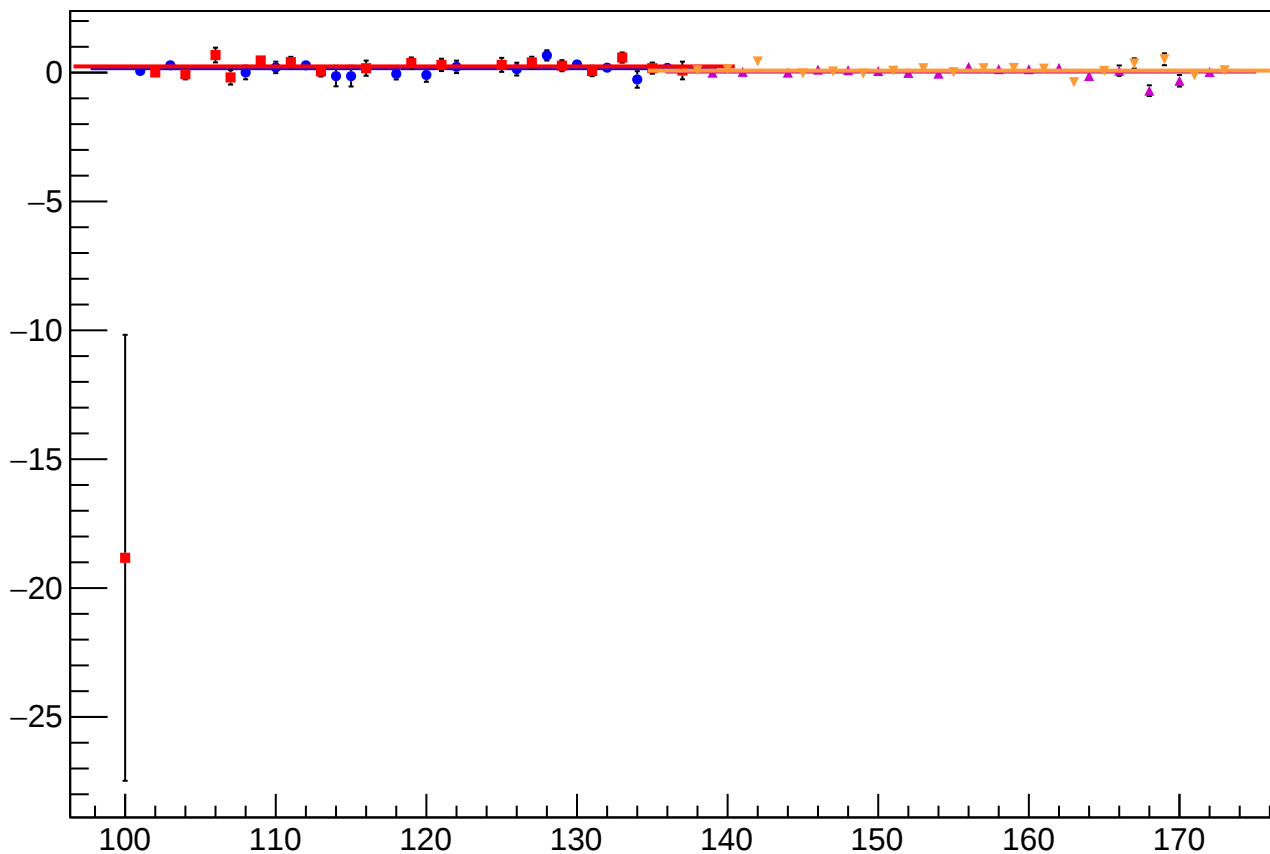
Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 40.0/33$

In: -0.034 ± 0.017 $\chi^2/\text{NDF}: 38.5/32$

Out: -0.067 ± 0.017 $\chi^2/\text{NDF}: 48.9/35$

All: -0.050 ± 0.012 $\chi^2/\text{NDF}: 89.4/68$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.171+/-0.052 χ^2/NDF : 13.7/15

Left Out: 0.077+/-0.028 χ^2/NDF : 27.3/17

Right Out: 0.239+/-0.054 χ^2/NDF : 21.8/17

Left In: 0.039+/-0.028 χ^2/NDF : 23.7/16

Left: 0.058+/-0.020 χ^2/NDF : 51.9/34

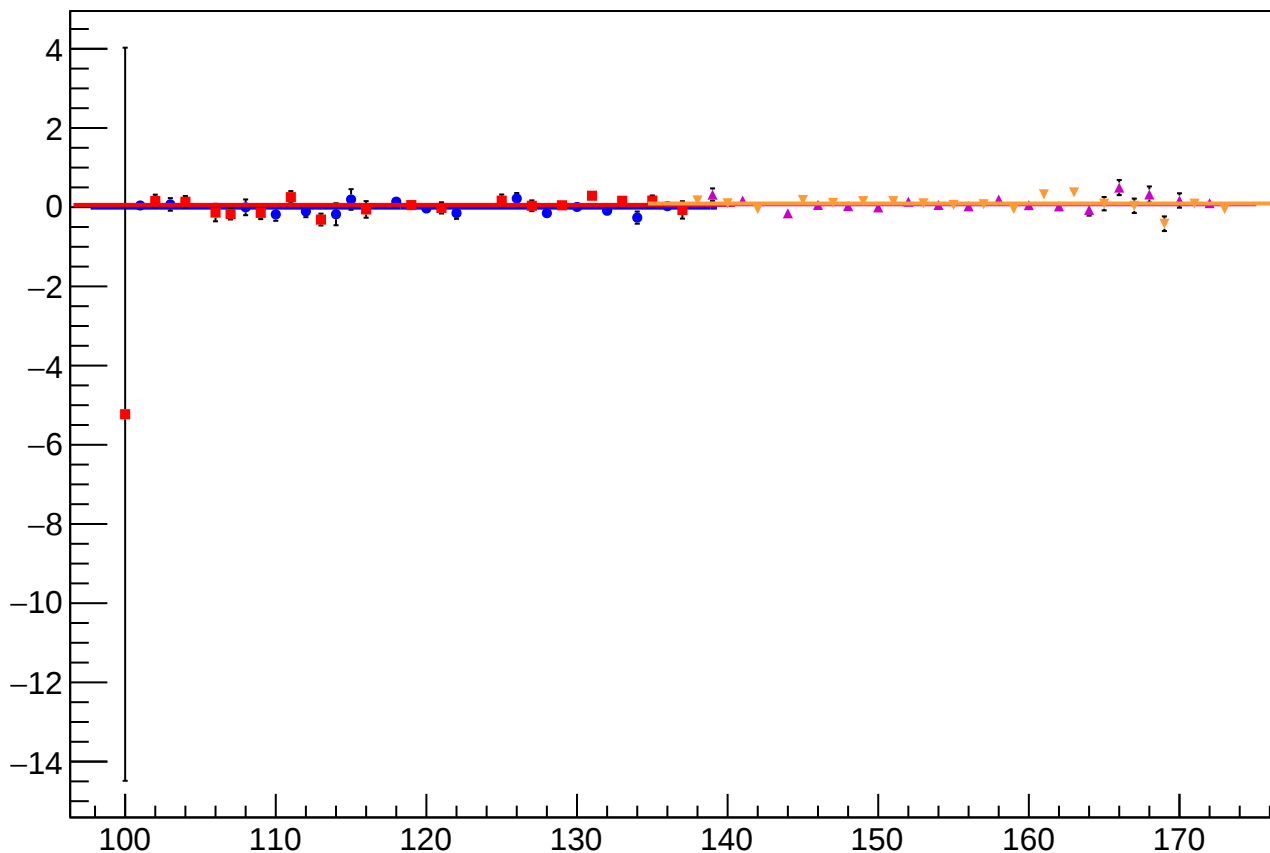
Right: 0.204+/-0.038 χ^2/NDF : 36.3/33

In: 0.069+/-0.025 χ^2/NDF : 42.2/32

Out: 0.112+/-0.025 χ^2/NDF : 56.2/35

All: 0.090+/-0.018 χ^2/NDF : 99.9/68

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 χ^2/NDF : 13.8/15

Left Out: 0.093 ± 0.024 χ^2/NDF : 25.2/17

Right Out: 0.059 ± 0.034 χ^2/NDF : 20.6/17

Left In: 0.073 ± 0.024 χ^2/NDF : 22.1/16

Left: 0.084 ± 0.017 χ^2/NDF : 47.7/34

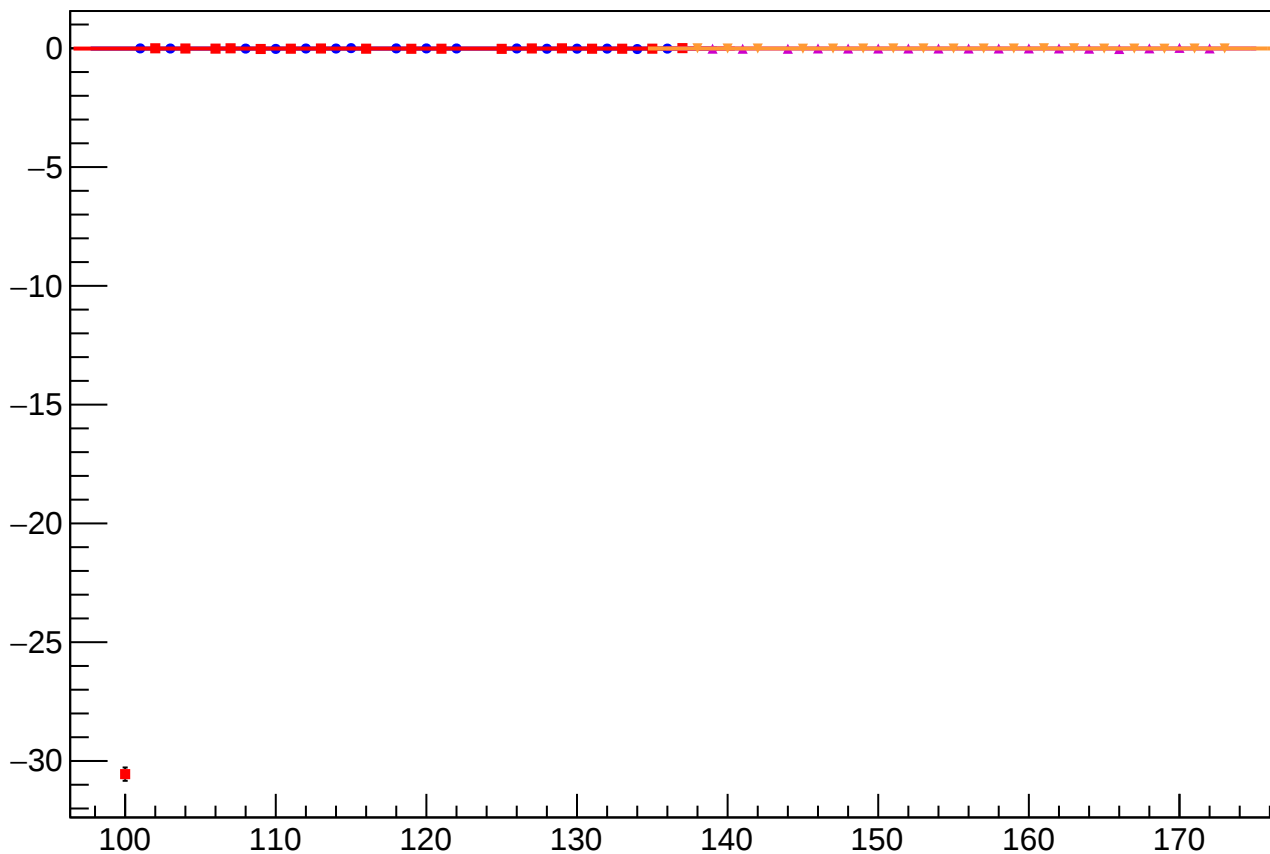
Right: 0.022 ± 0.023 χ^2/NDF : 36.5/33

In: 0.043 ± 0.019 χ^2/NDF : 40.2/32

Out: 0.082 ± 0.019 χ^2/NDF : 46.5/35

All: 0.063 ± 0.014 χ^2/NDF : 88.7/68

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.9/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:13.8/17

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.5/17

Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:31.0/16

Left: -0.009 $\pm$ 0.001 χ^2 /NDF: 45.7/34

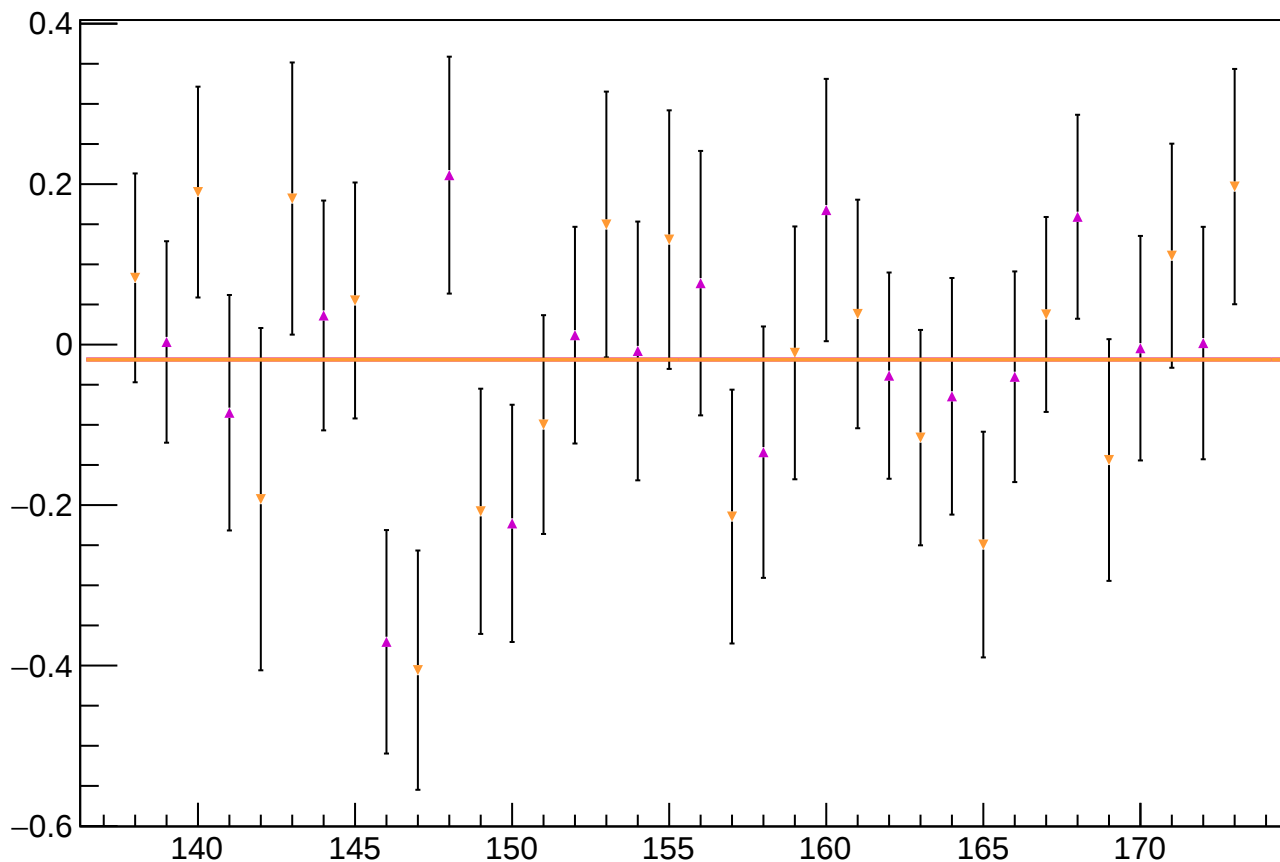
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11904.4/33

In: -0.010 $\pm$ 0.001 χ^2 /NDF:44.7/32

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11908.4/35

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11953.7/68

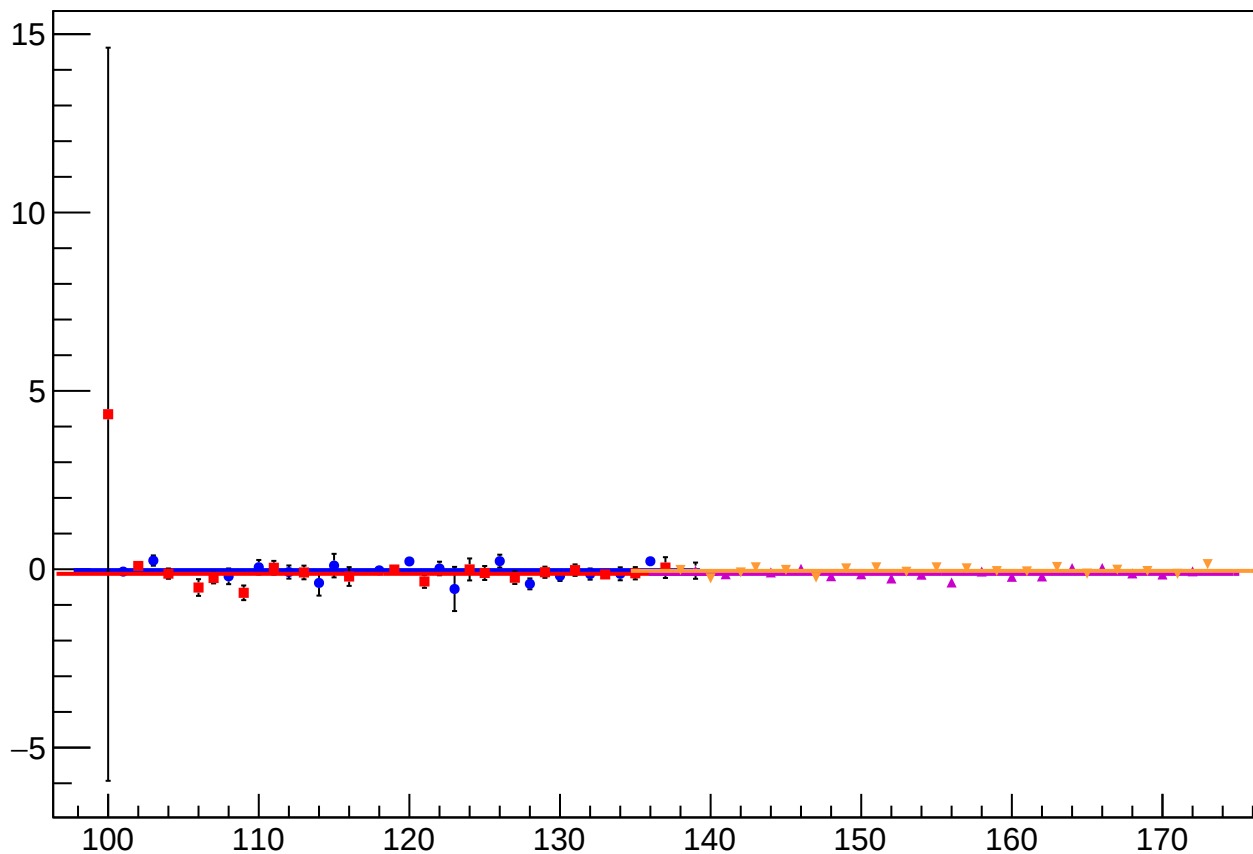
reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.019 $\pm$ 0.034 χ^2 /NDF:24.8/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.5/16

Left: -0.019 $\pm$ 0.024 χ^2 /NDF: 40.3/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.5/16
 Out: -0.019 $\pm$ 0.034 χ^2 /NDF:24.8/18
 All: -0.019 $\pm$ 0.024 χ^2 /NDF: 40.3/35

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 χ^2/NDF : 23.4/16

Left Out: -0.045 ± 0.024 χ^2/NDF : 19.9/18

Right Out: -0.128 ± 0.039 χ^2/NDF : 17.6/18

Left In: -0.130 ± 0.025 χ^2/NDF : 15.7/16

Left: -0.086 ± 0.017 χ^2/NDF : 41.5/35

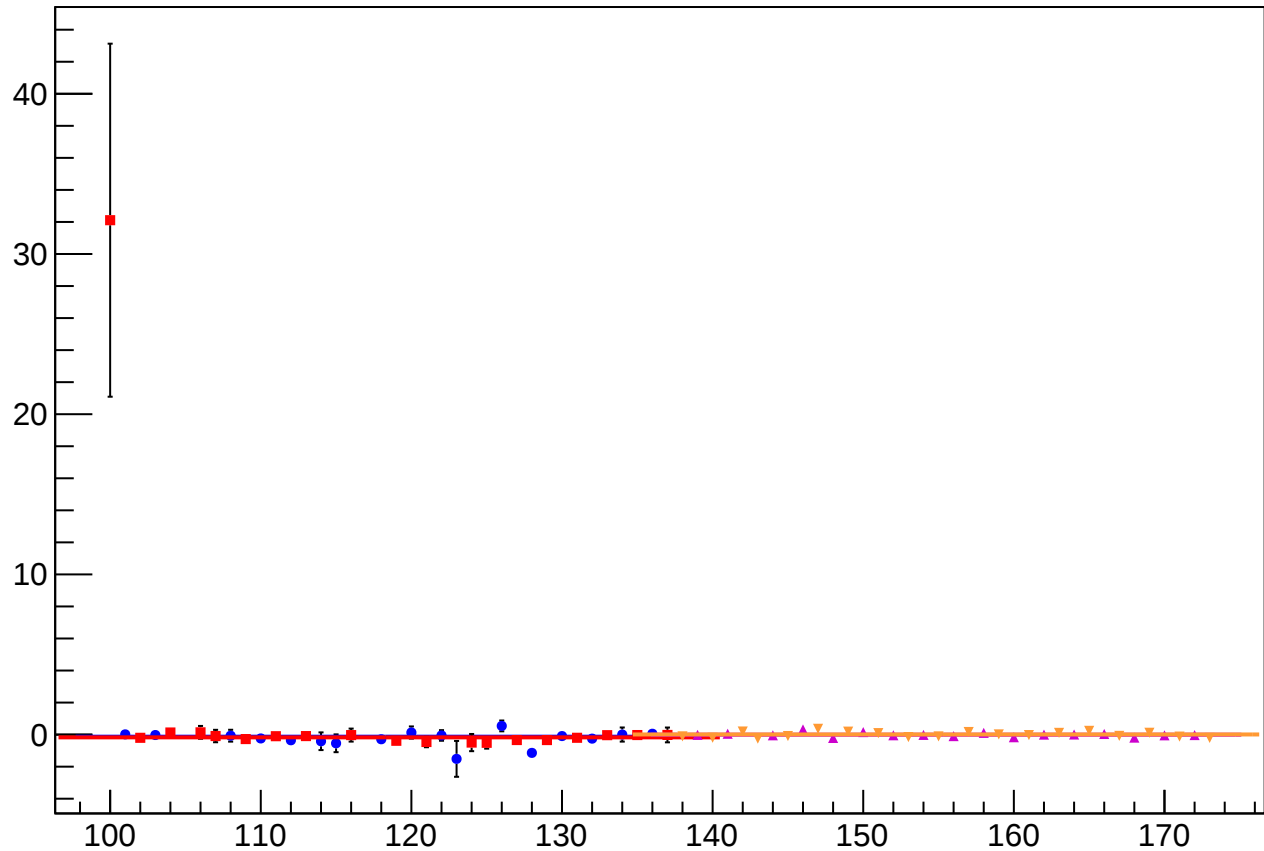
Right: -0.072 ± 0.027 χ^2/NDF : 44.7/35

In: -0.096 ± 0.021 χ^2/NDF : 44.8/33

Out: -0.068 ± 0.021 χ^2/NDF : 40.7/37

All: -0.082 ± 0.015 χ^2/NDF : 86.4/71

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 $\chi^2/\text{NDF}: 23.7/16$

Left Out: 0.010 ± 0.033 $\chi^2/\text{NDF}: 24.3/18$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 15.0/18$

Left In: -0.007 ± 0.034 $\chi^2/\text{NDF}: 14.2/16$

Left: 0.002 ± 0.024 $\chi^2/\text{NDF}: 38.6/35$

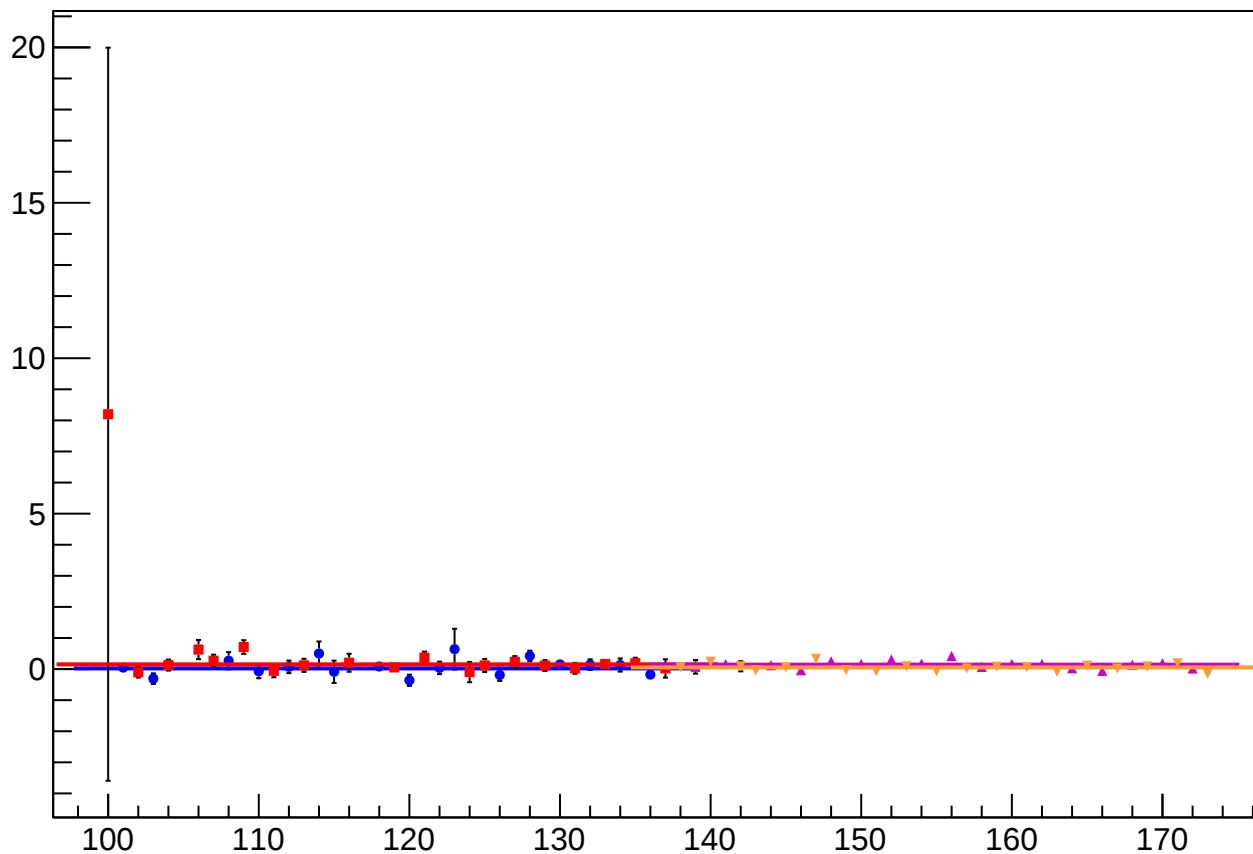
Right: -0.149 ± 0.049 $\chi^2/\text{NDF}: 39.0/35$

In: -0.032 ± 0.030 $\chi^2/\text{NDF}: 40.6/33$

Out: -0.023 ± 0.030 $\chi^2/\text{NDF}: 44.7/37$

All: -0.027 ± 0.021 $\chi^2/\text{NDF}: 85.4/71$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 22.5/16

Left Out: 0.053+/-0.028 χ^2/NDF : 19.7/18

Right Out: 0.152+/-0.045 χ^2/NDF : 16.2/18

Left In: 0.142+/-0.029 χ^2/NDF : 16.0/16

Left: 0.095+/-0.020 χ^2/NDF : 40.6/35

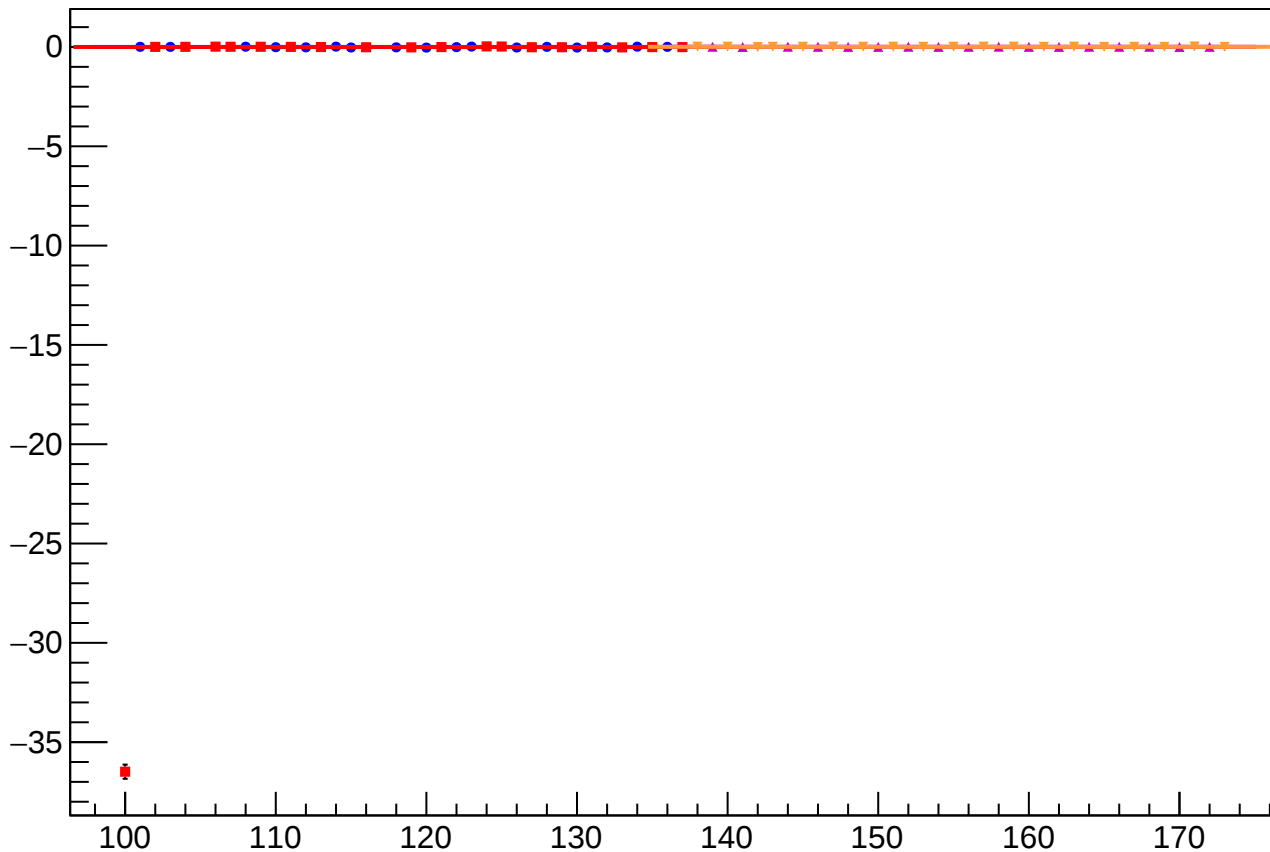
Right: 0.082+/-0.031 χ^2/NDF : 43.2/35

In: 0.103+/-0.024 χ^2/NDF : 44.1/33

Out: 0.080+/-0.024 χ^2/NDF : 39.4/37

All: 0.091+/-0.017 χ^2/NDF : 83.9/71

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 32.4/16

Left Out: 0.009 $\pm$ 0.001 χ^2 /NDF:18.7/18

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.011 $\pm$ 0.001 χ^2 /NDF:9.8/16

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 28.9/35

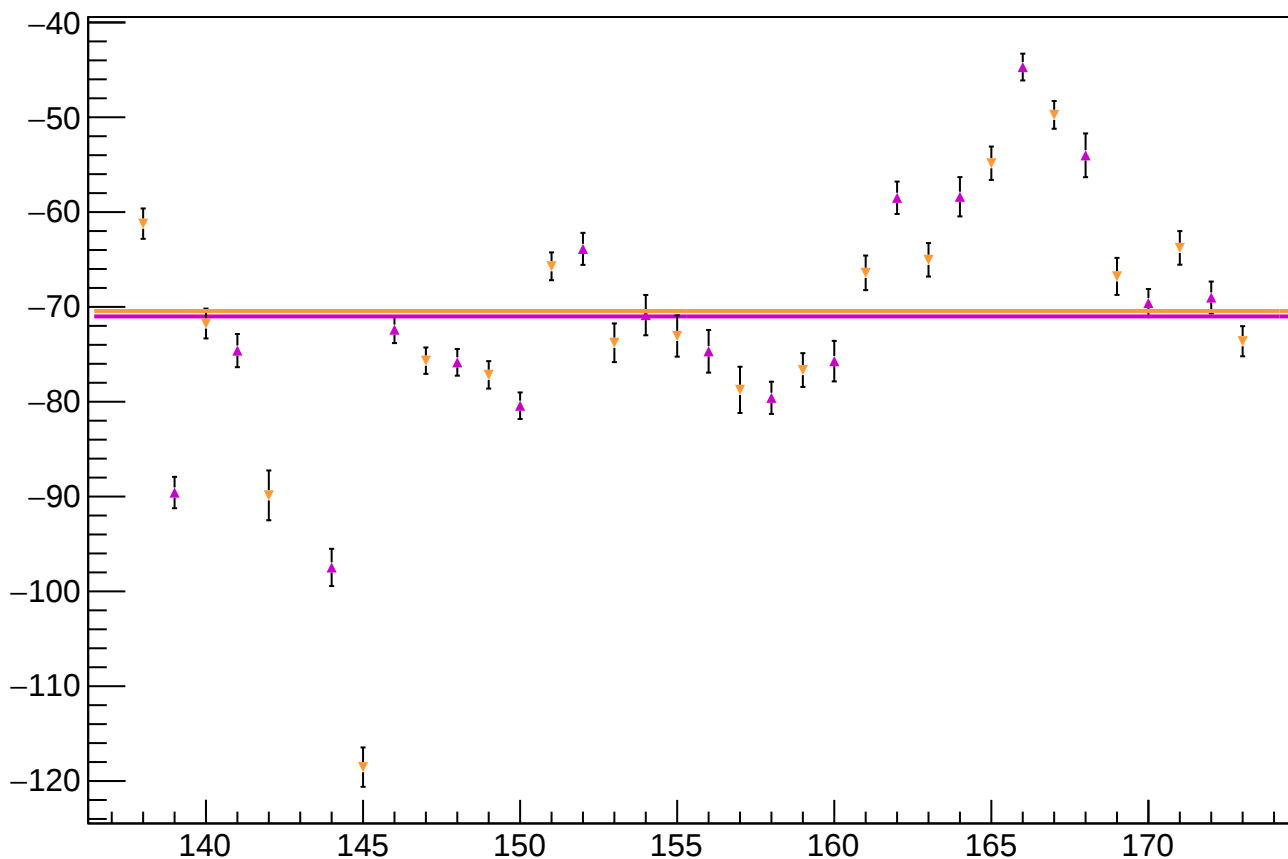
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10481.5/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF:55.4/33

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10478.4/37

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10533.9/71

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -70.427 $\pm$ 0.410 χ^2 /NDF:1013.4/17

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

Left In: -71.006 $\pm$ 0.413 χ^2 /NDF:914.9/16

Left: -70.714 $\pm$ 0.291 χ^2 /NDF: 1929.2/34

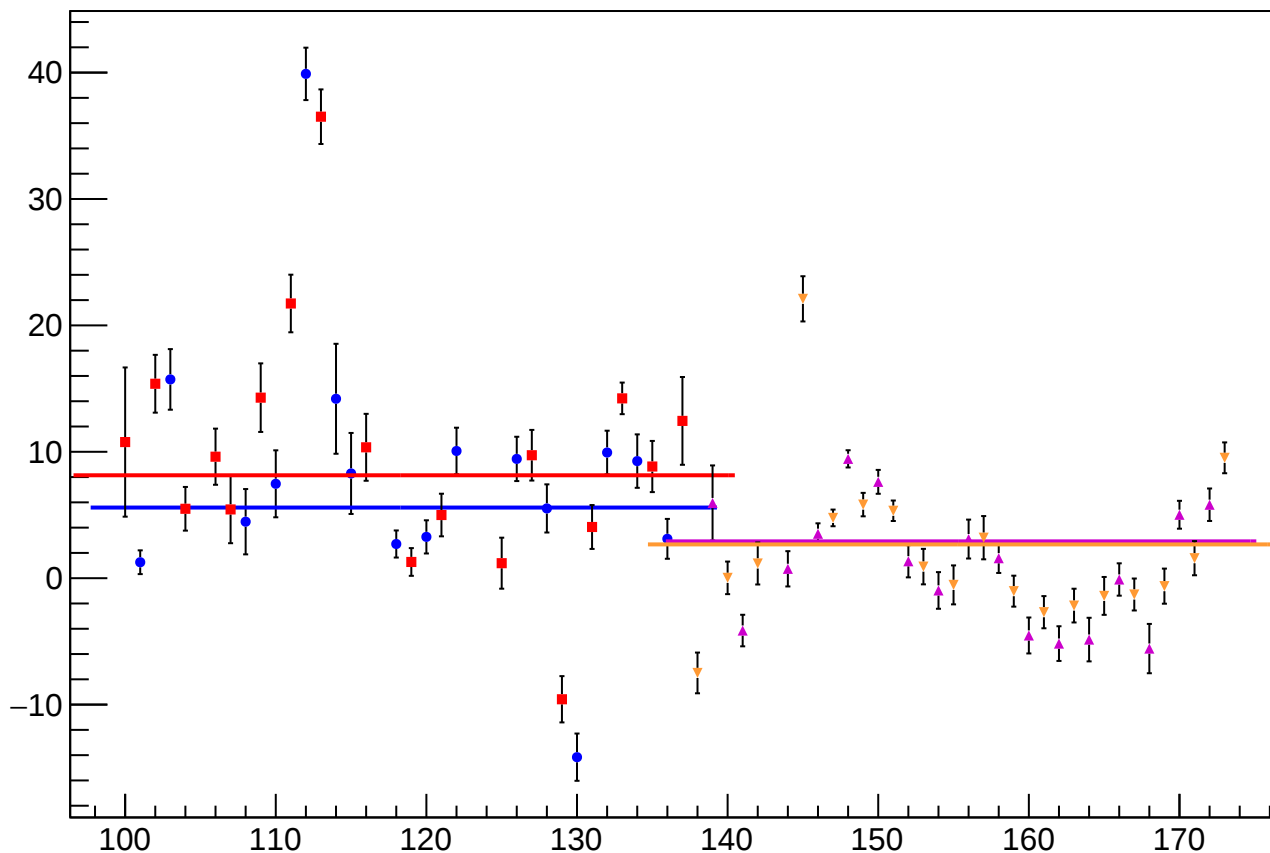
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -71.006 $\pm$ 0.413 χ^2 /NDF:914.9/16

Out: -70.427 $\pm$ 0.410 χ^2 /NDF:1013.4/17

All: -70.714 $\pm$ 0.291 χ^2 /NDF: 1929.2/34

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.589 $\pm$ 0.424 χ^2 /NDF: 462.8/15

Left Out: 2.673 $\pm$ 0.282 χ^2 /NDF:296.4/17

Right Out: 8.142 $\pm$ 0.454 χ^2 /NDF: 407.7/17

Left In: 2.914 $\pm$ 0.290 χ^2 /NDF:278.1/16

Left: 2.791 $\pm$ 0.202 χ^2 /NDF: 574.8/34

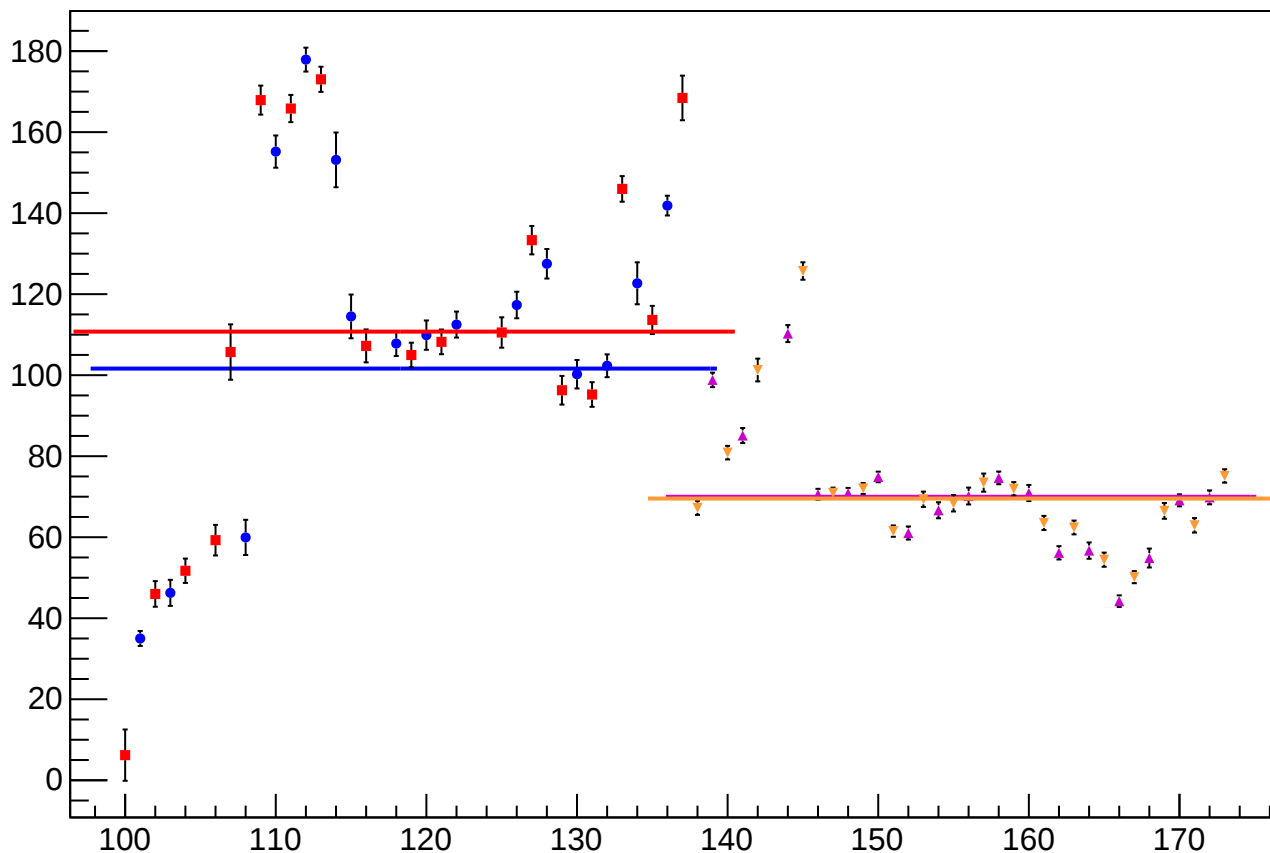
Right: 6.778 $\pm$ 0.310 χ^2 /NDF: 887.4/33

In: 3.767 $\pm$ 0.239 χ^2 /NDF:768.0/32

Out: 4.198 $\pm$ 0.239 χ^2 /NDF:808.9/35

All: 3.982 $\pm$ 0.169 χ^2 /NDF: 1578.6/68

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.631 $\pm$ 0.807 χ^2 /NDF: 2978.9/15

Left Out: 69.541 $\pm$ 0.403 χ^2 /NDF:1196.5/17

Right Out: 110.756 $\pm$ 0.836 χ^2 /NDF: 2513.0/17

Left In: 69.985 $\pm$ 0.404 χ^2 /NDF:1227.6/16

Left: 69.763 $\pm$ 0.285 χ^2 /NDF: 2424.7/34

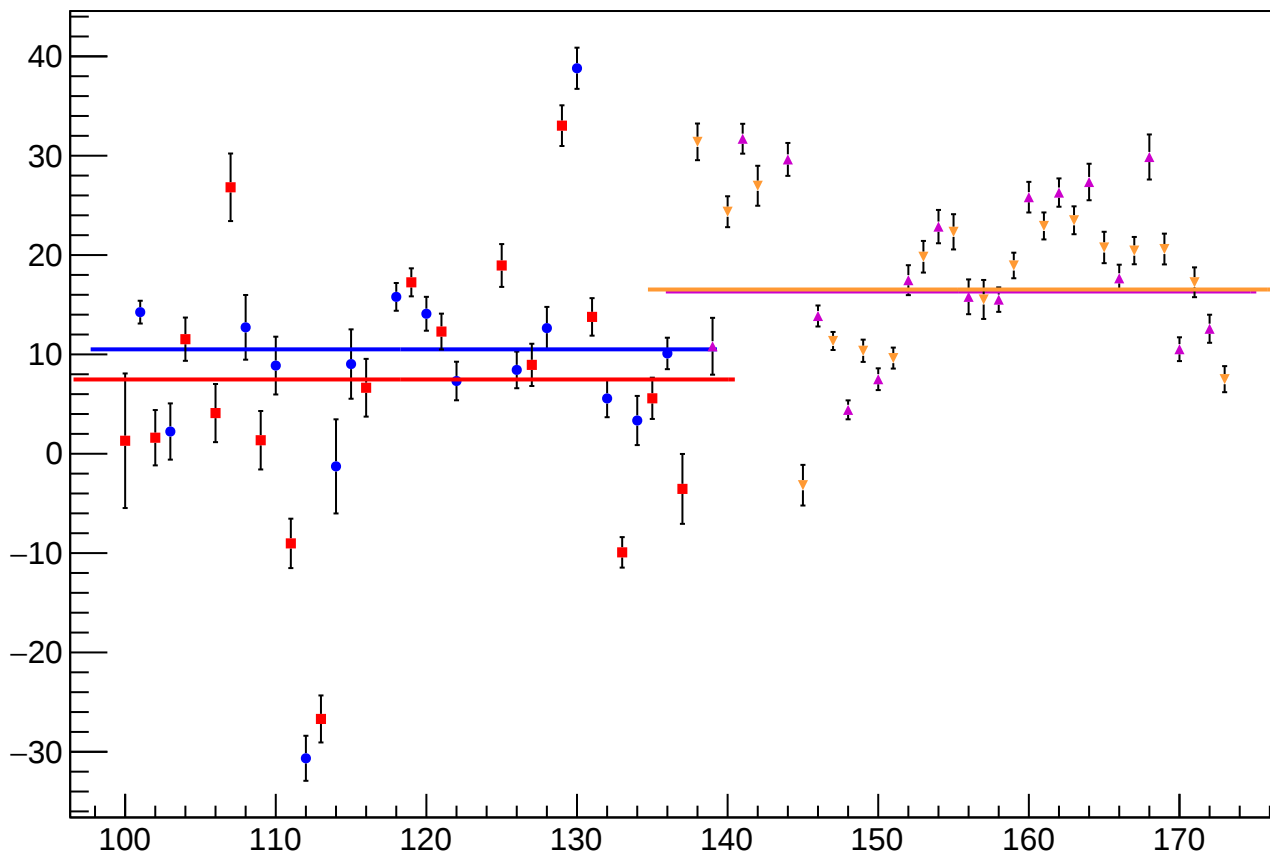
Right: 106.031 $\pm$ 0.581 χ^2 /NDF: 5553.5/33

In: 76.324 $\pm$ 0.361 χ^2 /NDF:5436.4/32

Out: 77.312 $\pm$ 0.363 χ^2 /NDF:5680.8/35

All: 76.815 $\pm$ 0.256 χ^2 /NDF: 11120.9/68

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.508 ± 0.492 $\chi^2/\text{NDF}: 581.5/15$

Left Out: 16.532 ± 0.332 $\chi^2/\text{NDF}: 450.7/17$

Right Out: 7.477 ± 0.524 $\chi^2/\text{NDF}: 689.3/17$

Left In: 16.332 ± 0.340 $\chi^2/\text{NDF}: 605.4/16$

Left: 16.434 ± 0.237 $\chi^2/\text{NDF}: 1056.3/34$

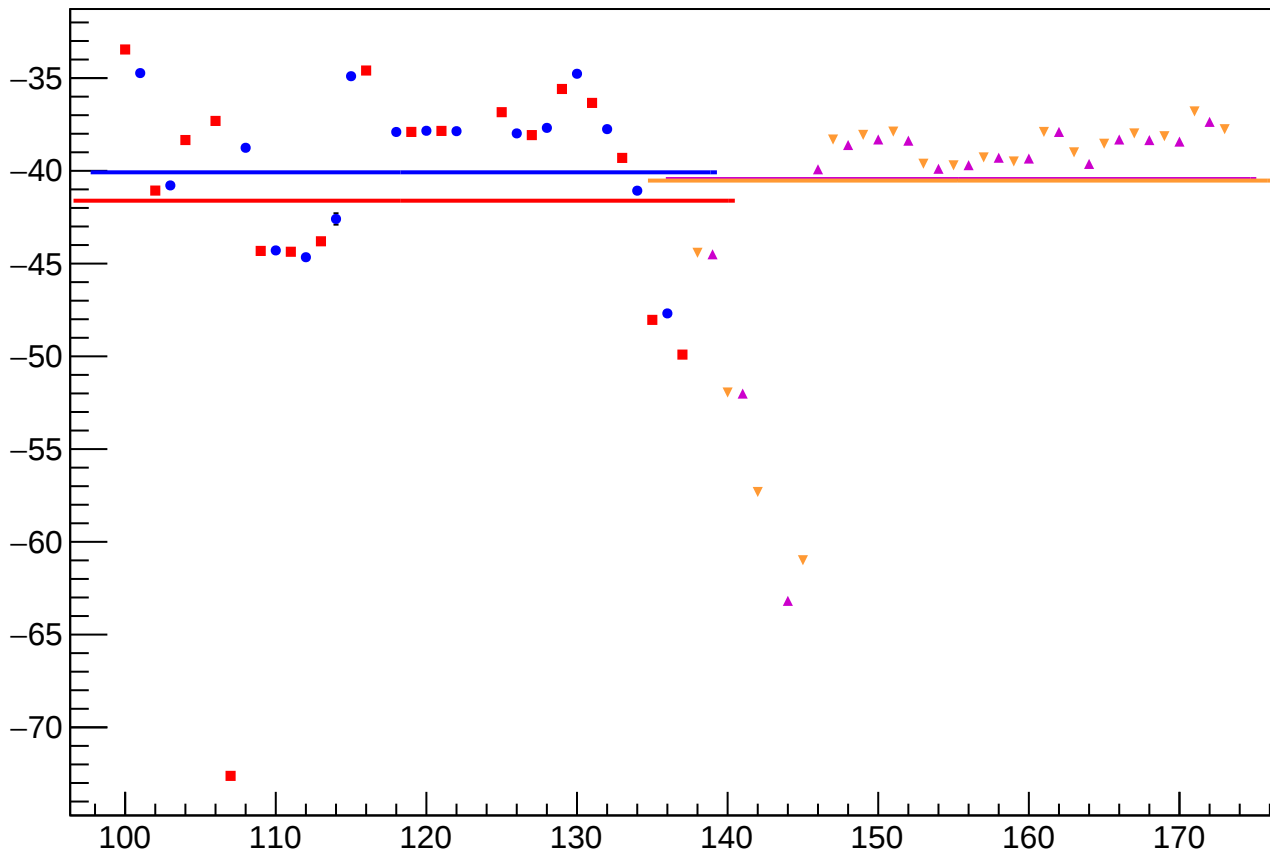
Right: 9.088 ± 0.359 $\chi^2/\text{NDF}: 1288.6/33$

In: 14.453 ± 0.279 $\chi^2/\text{NDF}: 1281.8/32$

Out: 13.943 ± 0.280 $\chi^2/\text{NDF}: 1353.3/35$

All: 14.198 ± 0.198 $\chi^2/\text{NDF}: 2636.7/68$

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.080+/-0.028 χ^2/NDF : 25123.9/15

Left Out: -40.525+/-0.016 χ^2/NDF :124309.3/17

Right Out: -41.609+/-0.029 χ^2/NDF : 61784.6/17

Left In: -40.441+/-0.016 χ^2/NDF :100364.1/16

Left: -40.483+/-0.011 χ^2/NDF : 224687.4/34

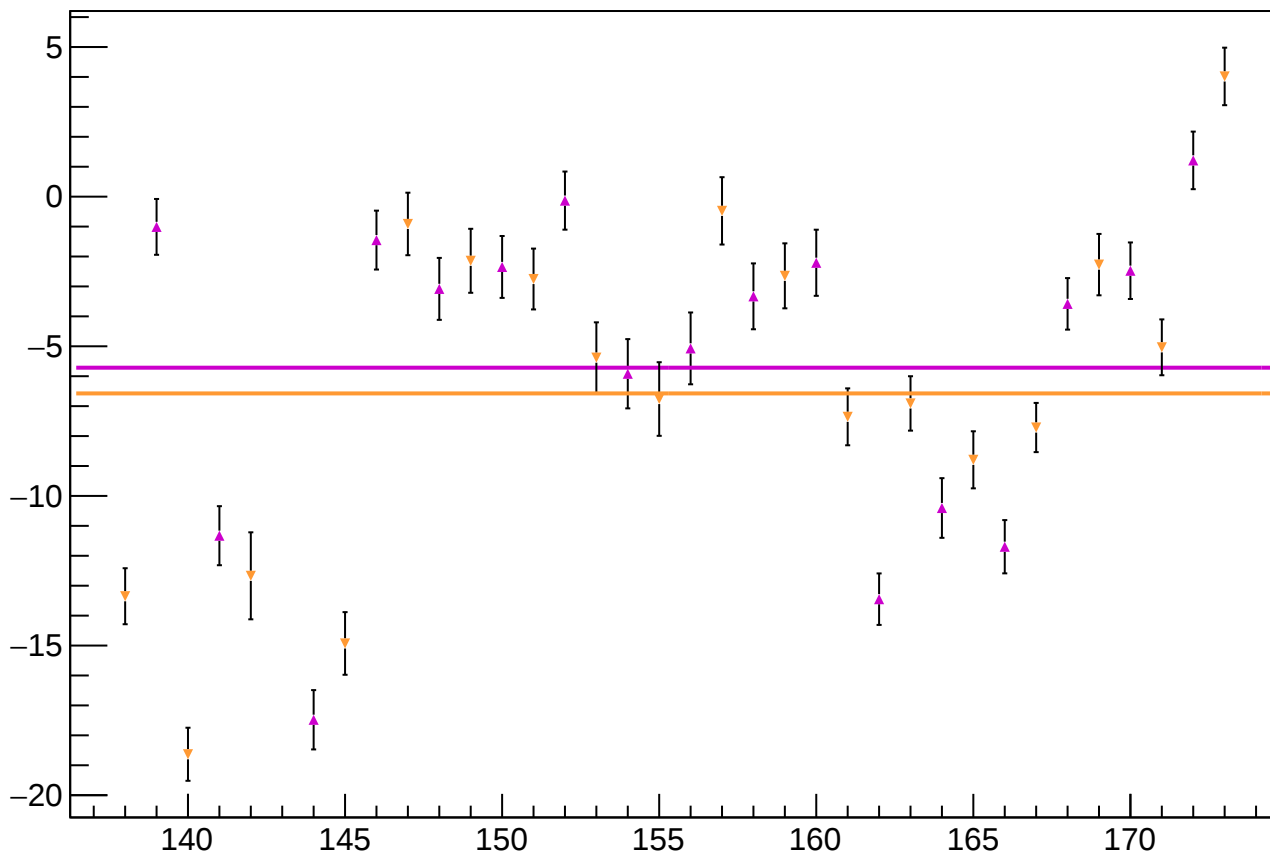
Right: -40.834+/-0.020 χ^2/NDF : 88360.5/33

In: -40.354+/-0.014 χ^2/NDF :125612.4/32

Out: -40.781+/-0.014 χ^2/NDF :187193.8/35

All: -40.567+/-0.010 χ^2/NDF : 313281.3/68

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: -6.575 $\pm$ 0.238 χ^2/NDF :572.9/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -5.715 $\pm$ 0.240 χ^2/NDF :500.6/16

Left: -6.148 $\pm$ 0.169 χ^2/NDF : 1079.9/34

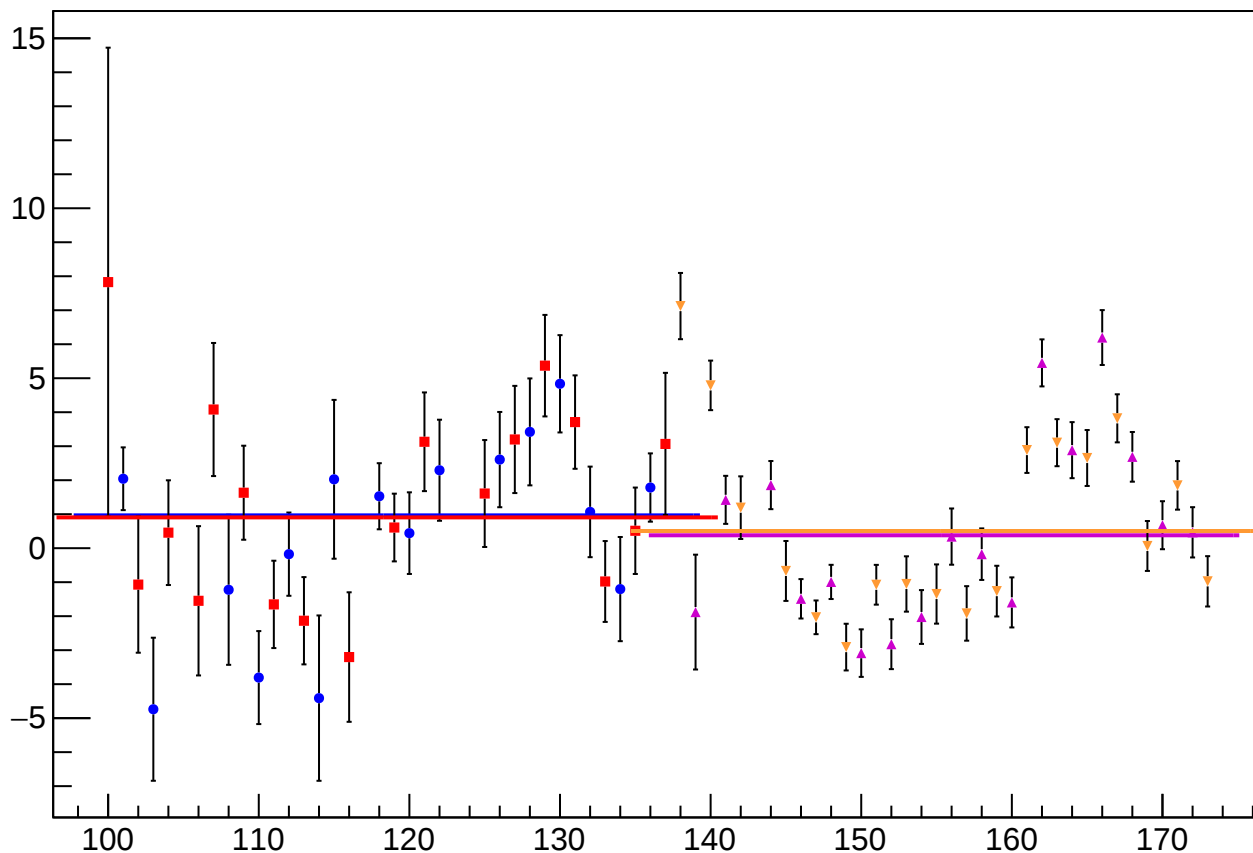
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -5.715 $\pm$ 0.240 χ^2/NDF :500.6/16

Out: -6.575 $\pm$ 0.238 χ^2/NDF :572.9/17

All: -6.148 $\pm$ 0.169 χ^2/NDF : 1079.9/34

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.965 ± 0.338 χ^2/NDF : 42.9/15

Left Out: 0.505 ± 0.171 χ^2/NDF : 227.5/17

Right Out: 0.906 ± 0.354 χ^2/NDF : 42.0/17

Left In: 0.380 ± 0.175 χ^2/NDF : 211.8/16

Left: 0.444 ± 0.122 χ^2/NDF : 439.6/34

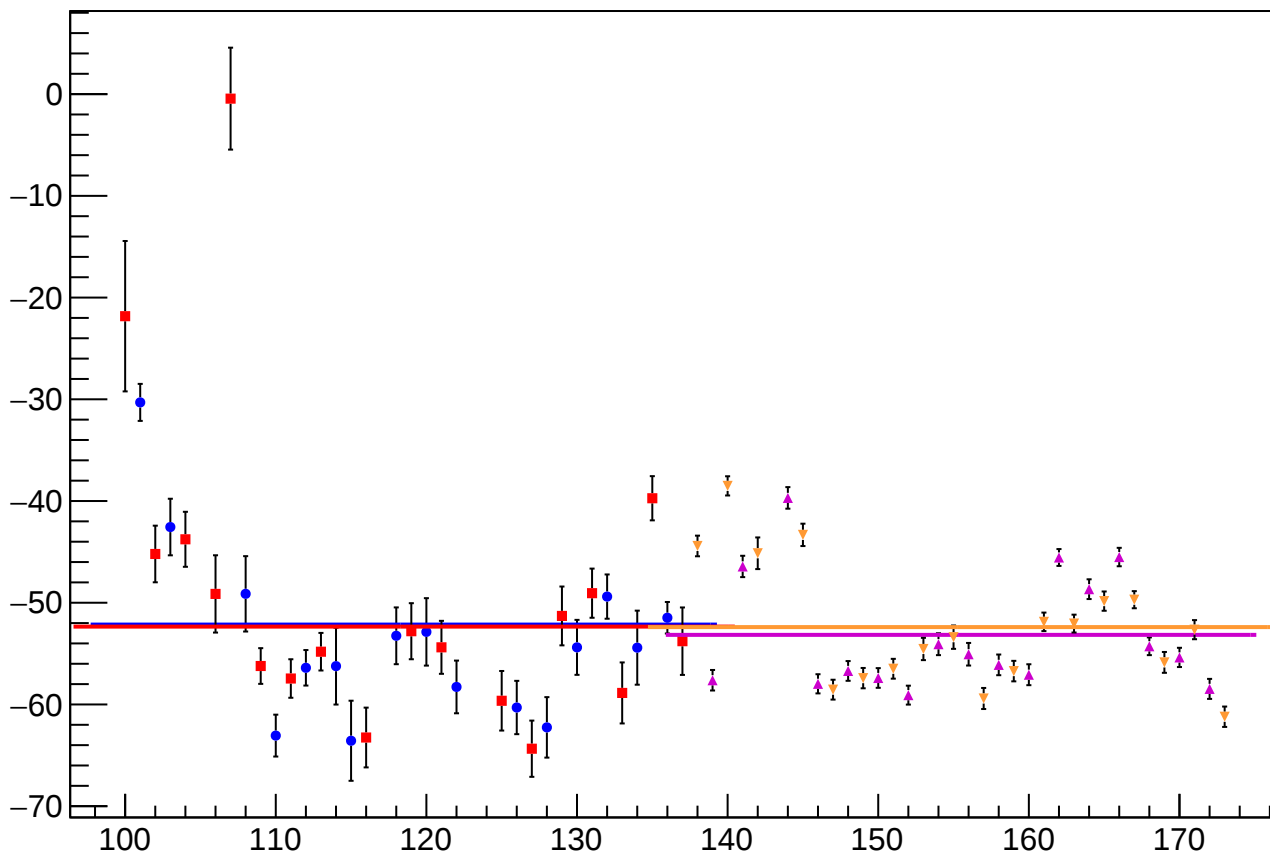
Right: 0.937 ± 0.244 χ^2/NDF : 84.9/33

In: 0.503 ± 0.155 χ^2/NDF : 257.1/32

Out: 0.582 ± 0.154 χ^2/NDF : 270.5/35

All: 0.543 ± 0.109 χ^2/NDF : 527.8/68

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.148 ± 0.612 χ^2/NDF : 230.2/15

Left Out: -52.394 ± 0.235 χ^2/NDF : 626.3/17

Right Out: -52.346 ± 0.616 χ^2/NDF : 235.7/17

Left In: -53.159 ± 0.236 χ^2/NDF : 561.2/16

Left: -52.776 ± 0.167 χ^2/NDF : 1192.7/34

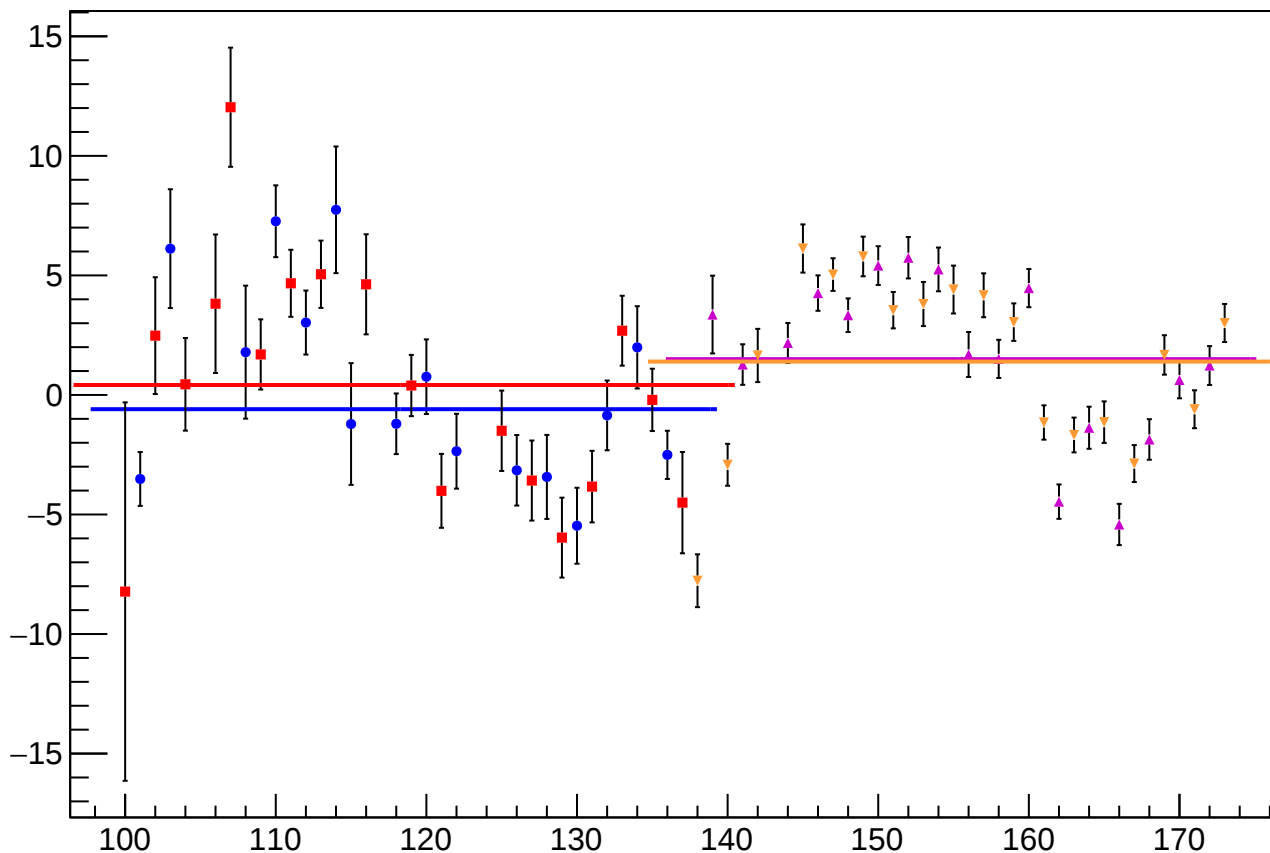
Right: -52.246 ± 0.434 χ^2/NDF : 466.0/33

In: -53.028 ± 0.220 χ^2/NDF : 793.8/32

Out: -52.388 ± 0.220 χ^2/NDF : 862.0/35

All: -52.708 ± 0.155 χ^2/NDF : 1660.0/68

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.596 ± 0.384 χ^2/NDF : 82.6/15

Left Out: 1.395 ± 0.197 χ^2/NDF : 289.0/17

Right Out: 0.416 ± 0.400 χ^2/NDF : 95.8/17

Left In: 1.498 ± 0.202 χ^2/NDF : 261.4/16

Left: 1.445 ± 0.141 χ^2/NDF : 550.5/34

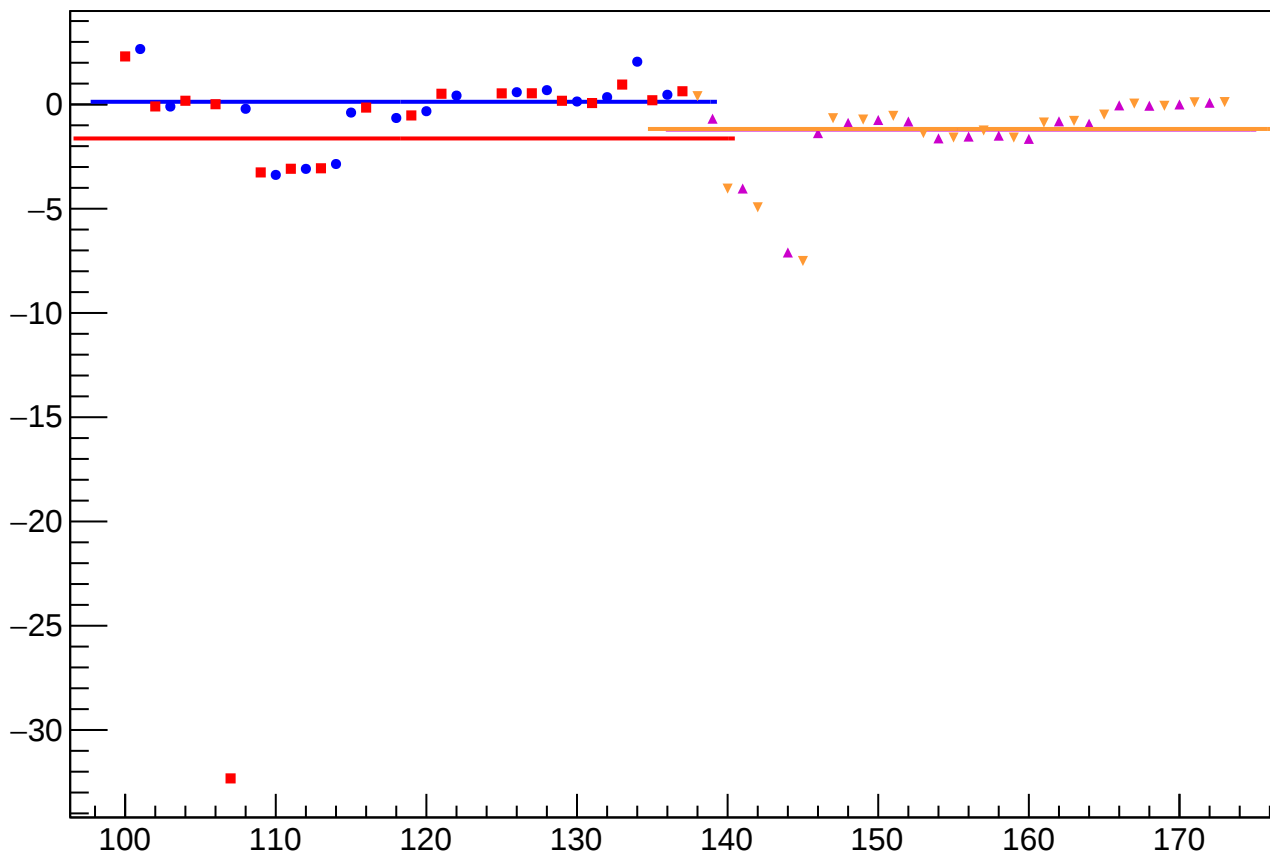
Right: -0.111 ± 0.277 χ^2/NDF : 181.7/33

In: 1.044 ± 0.179 χ^2/NDF : 367.3/32

Out: 1.203 ± 0.177 χ^2/NDF : 389.6/35

All: 1.124 ± 0.126 χ^2/NDF : 757.3/68

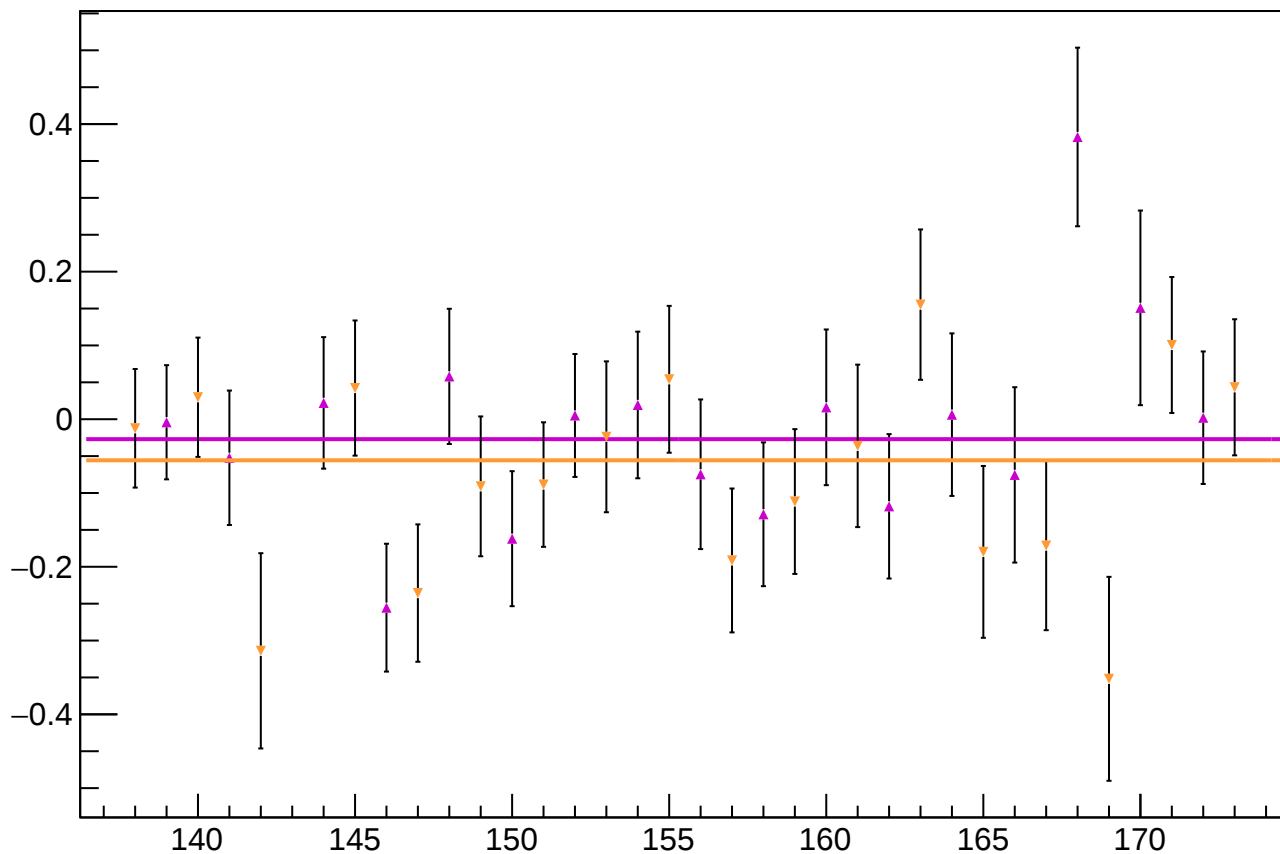
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.128 ± 0.021 $\chi^2/\text{NDF}: 5252.9/15$
 Left Out: -1.175 ± 0.009 $\chi^2/\text{NDF}: 37663.3/17$
 Right Out: -1.631 ± 0.022 $\chi^2/\text{NDF}: 77878.6/17$
 Left In: -1.203 ± 0.009 $\chi^2/\text{NDF}: 26408.8/16$

Left: -1.189 ± 0.006 $\chi^2/\text{NDF}: 64076.6/34$
 Right: -0.739 ± 0.015 $\chi^2/\text{NDF}: 86433.1/33$
 In: -0.997 ± 0.008 $\chi^2/\text{NDF}: 34902.9/32$
 Out: -1.243 ± 0.008 $\chi^2/\text{NDF}: 115914.1/35$
 All: -1.121 ± 0.006 $\chi^2/\text{NDF}: 151242.2/68$

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: -0.056 $\pm$ 0.023 χ^2 /NDF:29.1/17

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

Left In: -0.027 $\pm$ 0.023 χ^2 /NDF:26.8/16

Left: -0.042 $\pm$ 0.016 χ^2 /NDF: 56.6/34

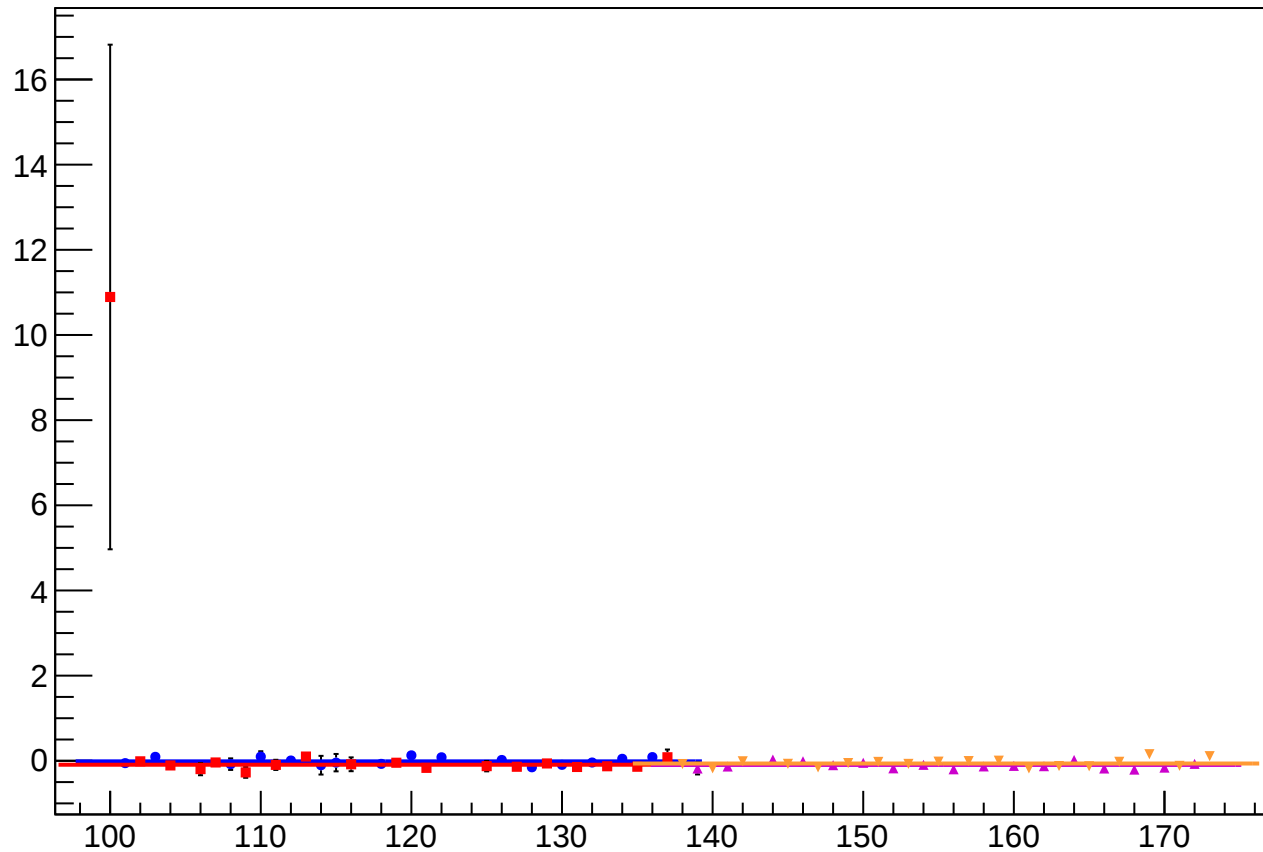
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.027 $\pm$ 0.023 χ^2 /NDF:26.8/16

Out: -0.056 $\pm$ 0.023 χ^2 /NDF:29.1/17

All: -0.042 $\pm$ 0.016 χ^2 /NDF: 56.6/34

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 12.2/15

Left Out: -0.064 ± 0.016 χ^2/NDF : 25.0/17

Right Out: -0.092 ± 0.025 χ^2/NDF : 12.7/17

Left In: -0.097 ± 0.017 χ^2/NDF : 16.1/16

Left: -0.080 ± 0.012 χ^2/NDF : 43.1/34

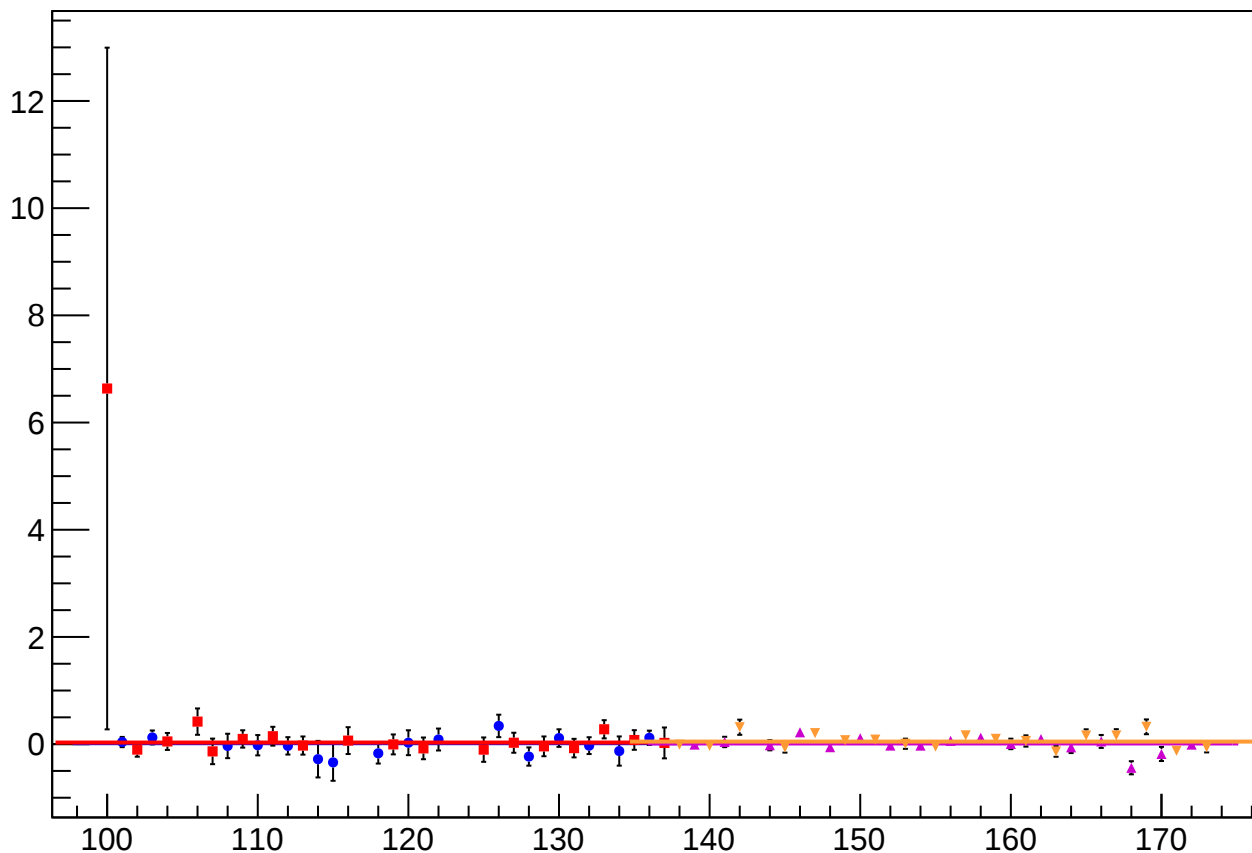
Right: -0.050 ± 0.017 χ^2/NDF : 30.3/33

In: -0.068 ± 0.014 χ^2/NDF : 37.0/32

Out: -0.072 ± 0.014 χ^2/NDF : 38.6/35

All: -0.070 ± 0.010 χ^2/NDF : 75.6/68

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.043 χ^2 /NDF: 9.6/15

Left Out: 0.047 $\pm$ 0.023 χ^2 /NDF:27.0/17

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

Left In: 0.012 $\pm$ 0.023 χ^2 /NDF:27.9/16

Left: 0.030 $\pm$ 0.016 χ^2 /NDF: 56.1/34

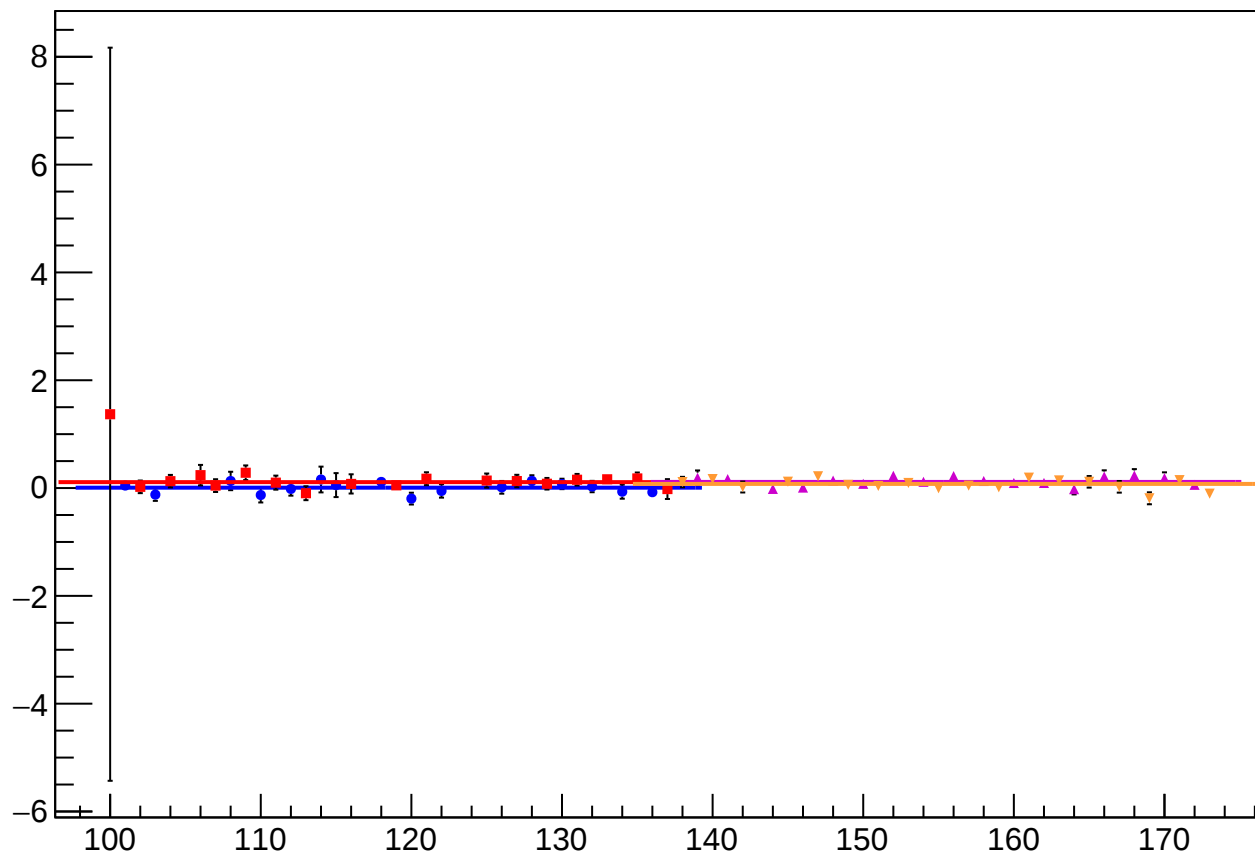
Right: 0.023 $\pm$ 0.031 χ^2 /NDF: 18.9/33

In: 0.013 $\pm$ 0.020 χ^2 /NDF:37.5/32

Out: 0.044 $\pm$ 0.020 χ^2 /NDF:36.3/35

All: 0.028 $\pm$ 0.014 χ^2 /NDF: 75.0/68

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 12.1/15

Left Out: 0.077 $\pm$ 0.019 χ^2 /NDF:24.8/17

Right Out: 0.110 $\pm$ 0.029 χ^2 /NDF: 8.0/17

Left In: 0.113 $\pm$ 0.020 χ^2 /NDF:15.7/16

Left: 0.095 $\pm$ 0.014 χ^2 /NDF: 42.3/34

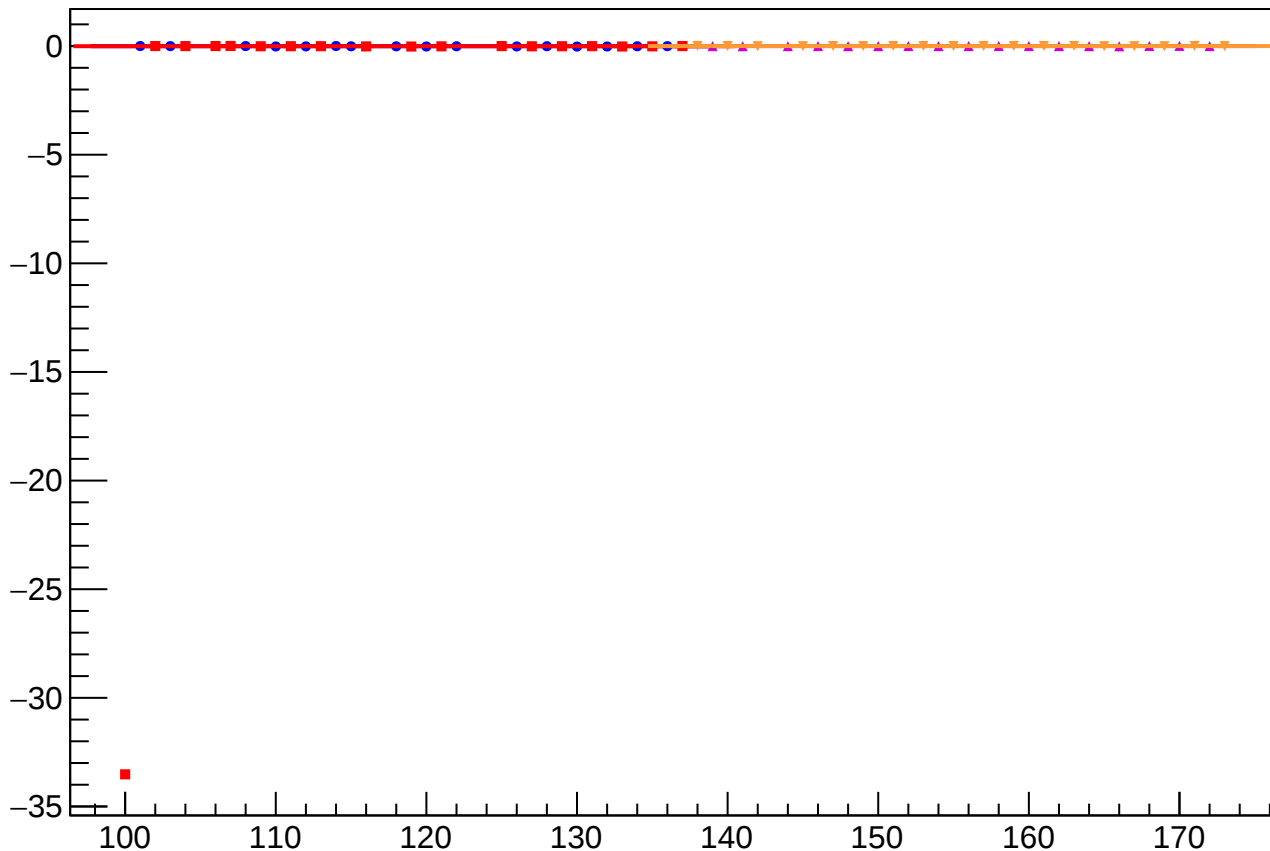
Right: 0.055 $\pm$ 0.020 χ^2 /NDF: 27.0/33

In: 0.077 $\pm$ 0.016 χ^2 /NDF:38.0/32

Out: 0.087 $\pm$ 0.016 χ^2 /NDF:33.7/35

All: 0.082 $\pm$ 0.011 χ^2 /NDF: 72.0/68

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.001 ± 0.001 $\chi^2/\text{NDF}: 33.5/34$

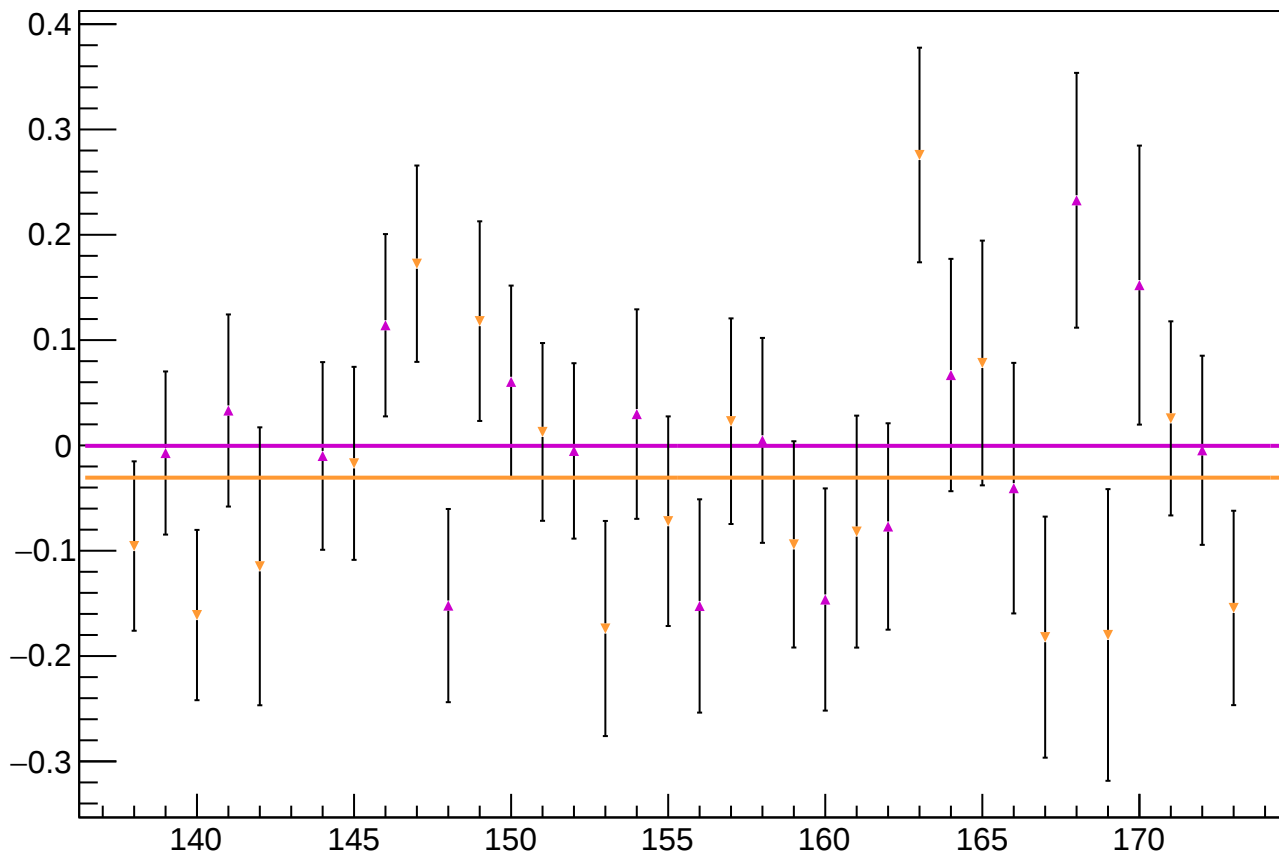
Right: -0.006 ± 0.001 $\chi^2/\text{NDF}: 26531.6/33$

In: -0.001 ± 0.001 $\chi^2/\text{NDF}: 50.0/32$

Out: -0.001 ± 0.001 $\chi^2/\text{NDF}: 26543.2/35$

All: -0.001 ± 0.001 $\chi^2/\text{NDF}: 26593.3/68$

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: -0.031 $\pm$ 0.023 χ^2 /NDF:29.2/17

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

Left In: -0.000 $\pm$ 0.023 χ^2 /NDF:15.5/16

Left: -0.016 $\pm$ 0.016 χ^2 /NDF: 45.6/34

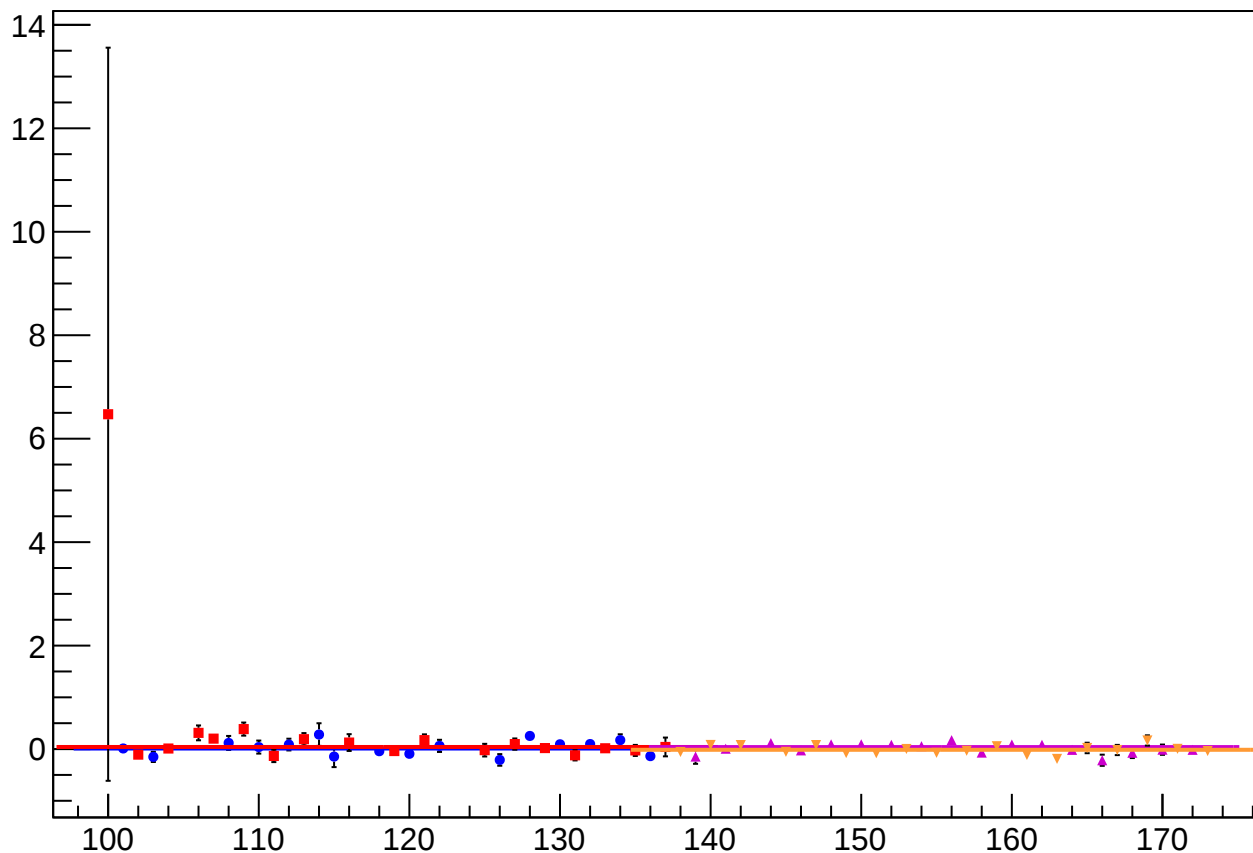
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.000 $\pm$ 0.023 χ^2 /NDF:15.5/16

Out: -0.031 $\pm$ 0.023 χ^2 /NDF:29.2/17

All: -0.016 $\pm$ 0.016 χ^2 /NDF: 45.6/34

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.023 χ^2 /NDF: 25.4/15

Left Out: -0.014 $\pm$ 0.016 χ^2 /NDF:23.1/17

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 27.9/17

Left In: 0.038 $\pm$ 0.017 χ^2 /NDF:22.5/16

Left: 0.011 $\pm$ 0.012 χ^2 /NDF: 50.6/34

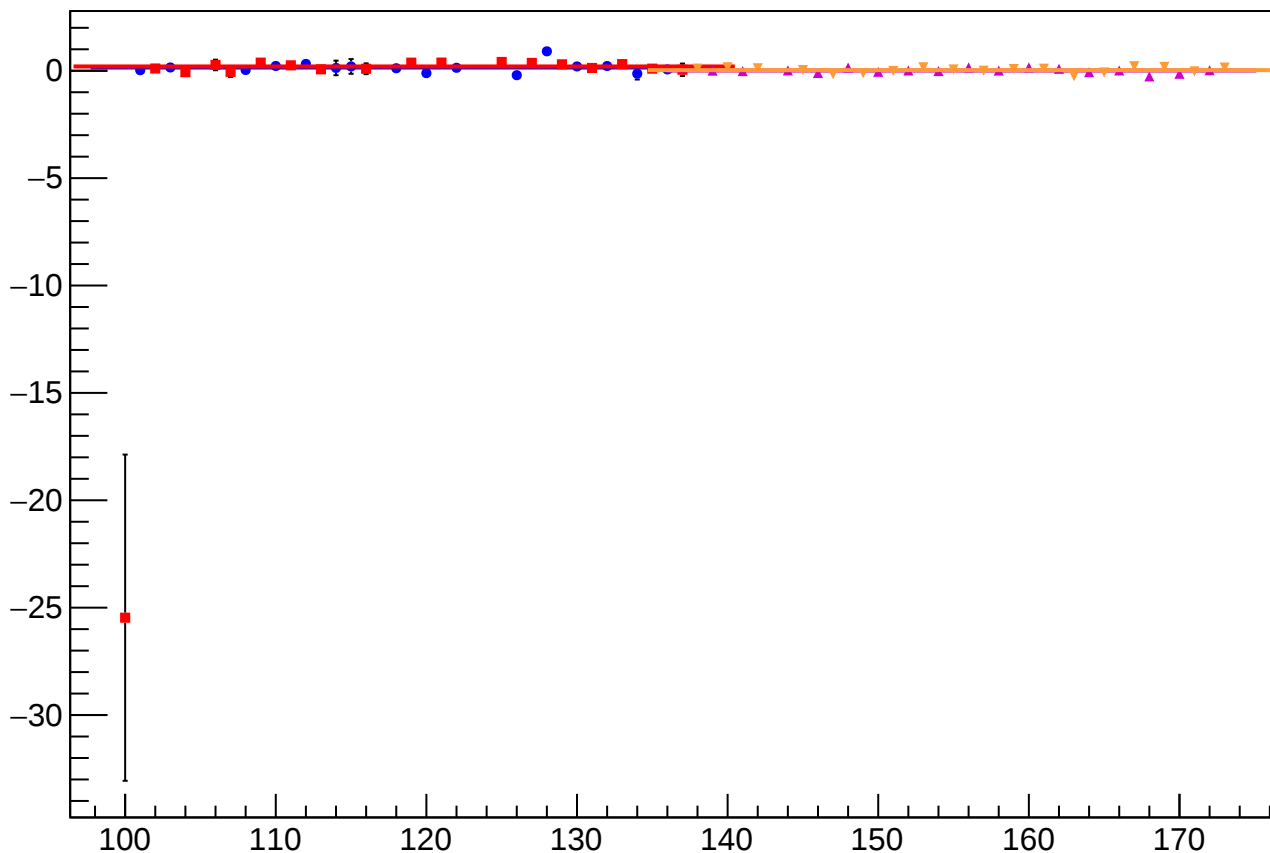
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 54.1/33

In: 0.029 $\pm$ 0.014 χ^2 /NDF:48.9/32

Out: 0.002 $\pm$ 0.014 χ^2 /NDF:54.4/35

All: 0.016 $\pm$ 0.010 χ^2 /NDF: 105.1/68

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.043 χ^2 /NDF: 28.7/15

Left Out: 0.029 $\pm$ 0.023 χ^2 /NDF:28.3/17

Right Out: 0.200 $\pm$ 0.045 χ^2 /NDF: 22.9/17

Left In: 0.010 $\pm$ 0.023 χ^2 /NDF:17.2/16

Left: 0.020 $\pm$ 0.016 χ^2 /NDF: 45.9/34

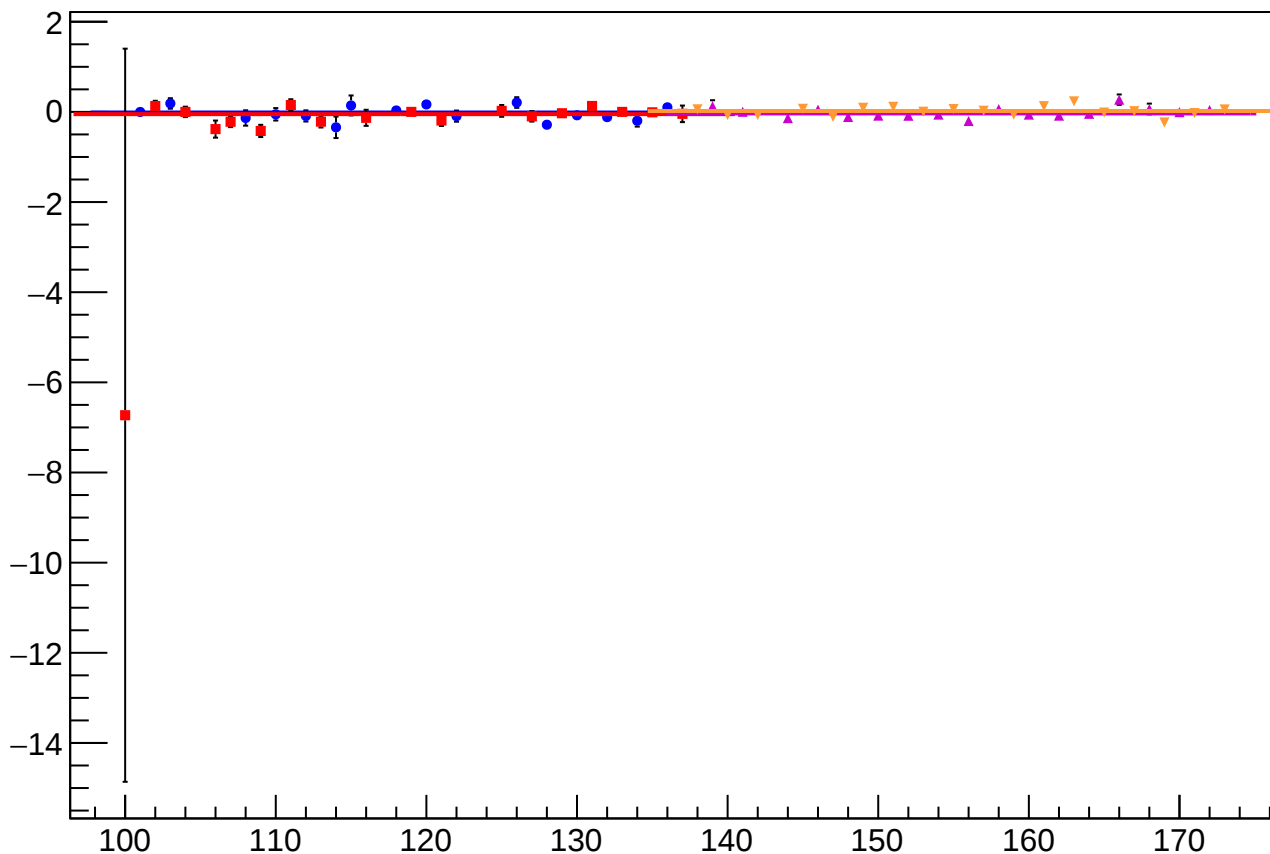
Right: 0.175 $\pm$ 0.031 χ^2 /NDF: 52.2/33

In: 0.042 $\pm$ 0.020 χ^2 /NDF:54.5/32

Out: 0.064 $\pm$ 0.020 χ^2 /NDF:62.8/35

All: 0.053 $\pm$ 0.014 χ^2 /NDF: 117.8/68

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.014 $\pm$ 0.027 χ^2 /NDF: 25.2/15

Left Out: 0.020 $\pm$ 0.019 χ^2 /NDF:26.2/17

Right Out: -0.050 $\pm$ 0.029 χ^2 /NDF: 25.7/17

Left In: -0.035 $\pm$ 0.020 χ^2 /NDF:23.2/16

Left: -0.006 $\pm$ 0.014 χ^2 /NDF: 53.4/34

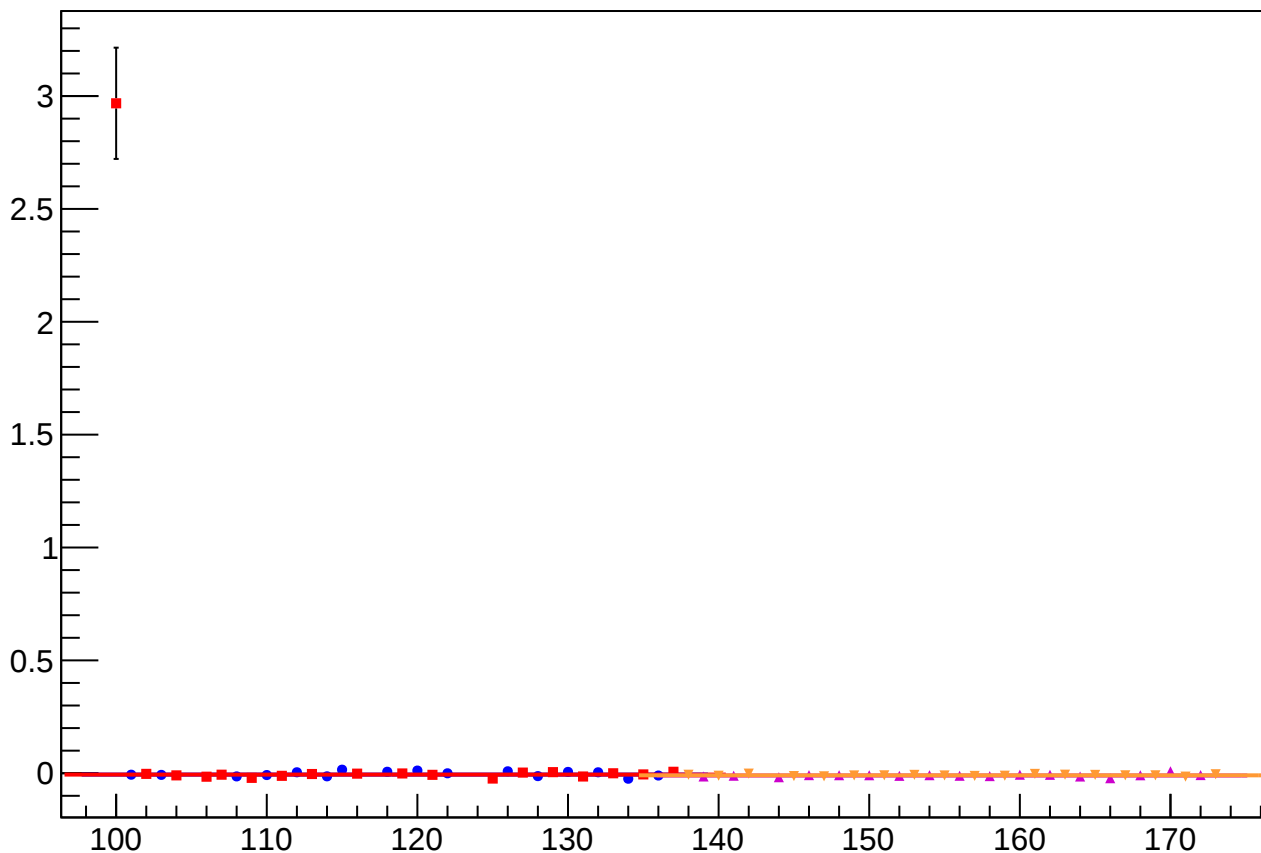
Right: -0.031 $\pm$ 0.020 χ^2 /NDF: 51.8/33

In: -0.027 $\pm$ 0.016 χ^2 /NDF:48.7/32

Out: -0.001 $\pm$ 0.016 χ^2 /NDF:56.1/35

All: -0.014 $\pm$ 0.011 χ^2 /NDF: 106.1/68

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2 /NDF: 29.0/15

Left Out: -0.009+/-0.001 χ^2 /NDF:14.1/17

Right Out: -0.006+/-0.001 χ^2 /NDF: 165.9/17

Left In: -0.010+/-0.001 χ^2 /NDF:30.1/16

Left: -0.010+/-0.001 χ^2 /NDF: 44.8/34

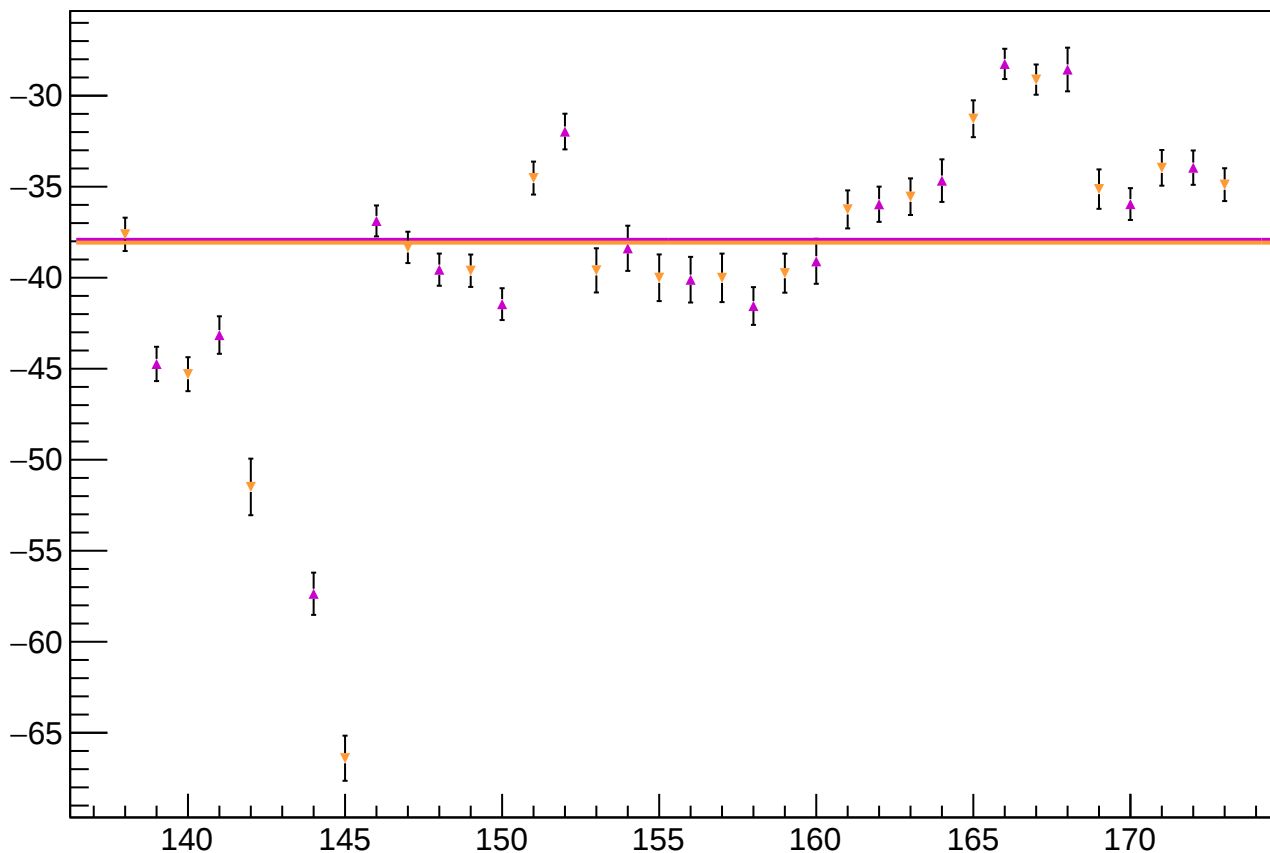
Right: -0.006+/-0.001 χ^2 /NDF: 194.8/33

In: -0.009+/-0.001 χ^2 /NDF:65.1/32

Out: -0.008+/-0.001 χ^2 /NDF:183.6/35

All: -0.009+/-0.001 χ^2 /NDF: 249.1/68

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -38.073+/-0.240 χ^2/NDF :892.1/17

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

Left In: -37.920+/-0.242 χ^2/NDF :663.9/16

Left: -37.997+/-0.170 χ^2/NDF : 1556.2/34

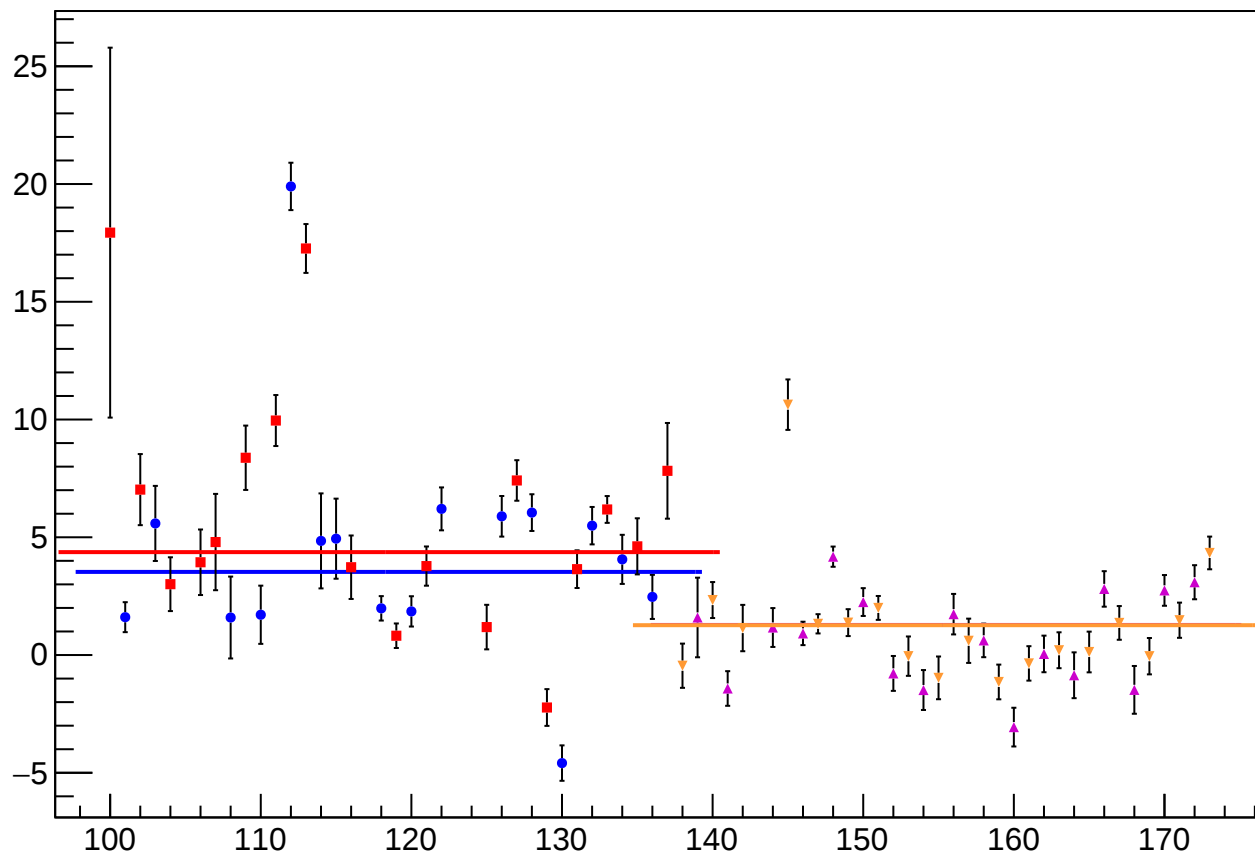
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.920+/-0.242 χ^2/NDF :663.9/16

Out: -38.073+/-0.240 χ^2/NDF :892.1/17

All: -37.997+/-0.170 χ^2/NDF : 1556.2/34

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.530 ± 0.217 $\chi^2/\text{NDF}: 446.6/15$

Left Out: 1.267 ± 0.167 $\chi^2/\text{NDF}: 134.8/17$

Right Out: 4.370 ± 0.225 $\chi^2/\text{NDF}: 353.8/17$

Left In: 1.277 ± 0.172 $\chi^2/\text{NDF}: 139.9/16$

Left: 1.272 ± 0.120 $\chi^2/\text{NDF}: 274.7/34$

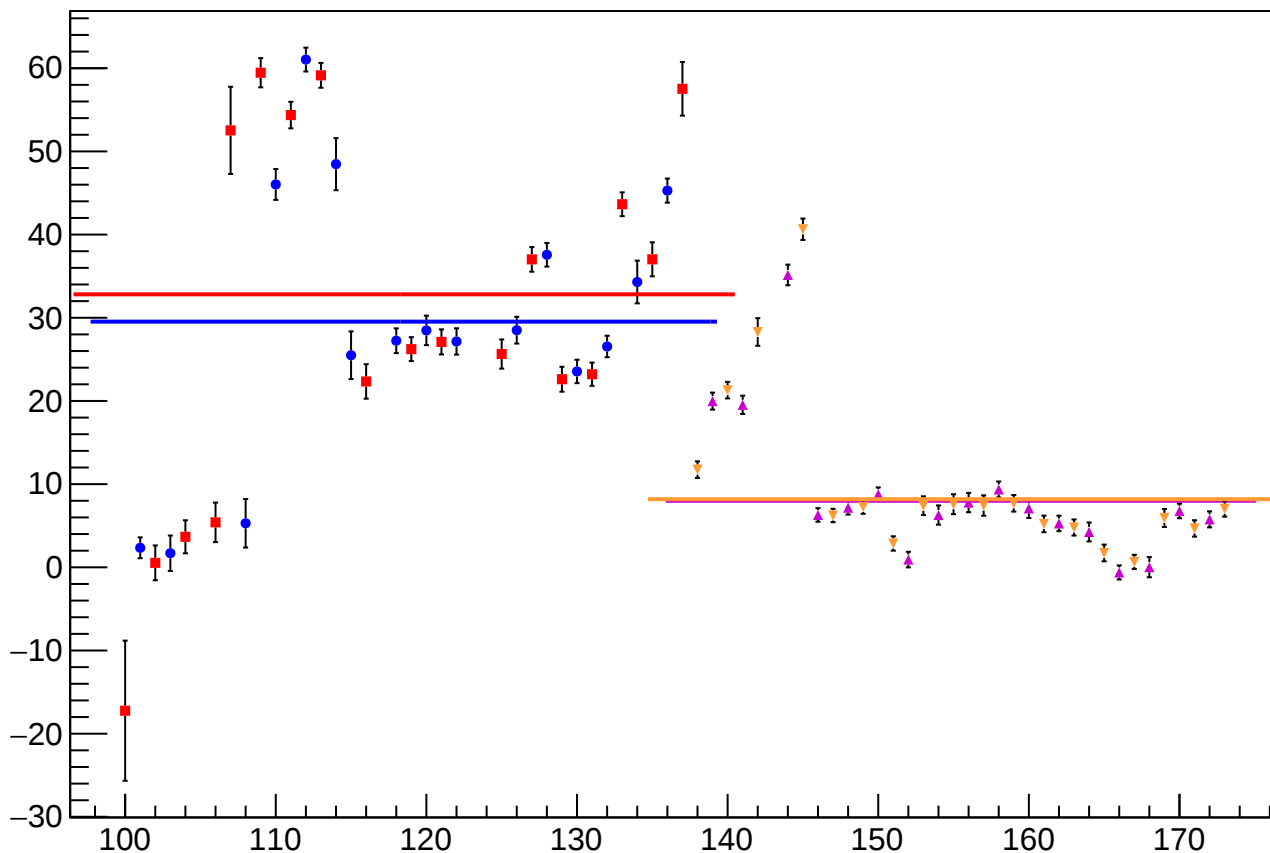
Right: 3.934 ± 0.156 $\chi^2/\text{NDF}: 807.6/33$

In: 2.146 ± 0.135 $\chi^2/\text{NDF}: 652.5/32$

Out: 2.369 ± 0.134 $\chi^2/\text{NDF}: 610.8/35$

All: 2.258 ± 0.095 $\chi^2/\text{NDF}: 1264.7/68$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.535 $\pm$ 0.417 χ^2 /NDF: 1494.9/15

Left Out: 8.189 $\pm$ 0.236 χ^2 /NDF:1175.4/17

Right Out: 32.816 $\pm$ 0.423 χ^2 /NDF: 1659.3/17

Left In: 8.000 $\pm$ 0.237 χ^2 /NDF:968.6/16

Left: 8.095 $\pm$ 0.167 χ^2 /NDF: 2144.3/34

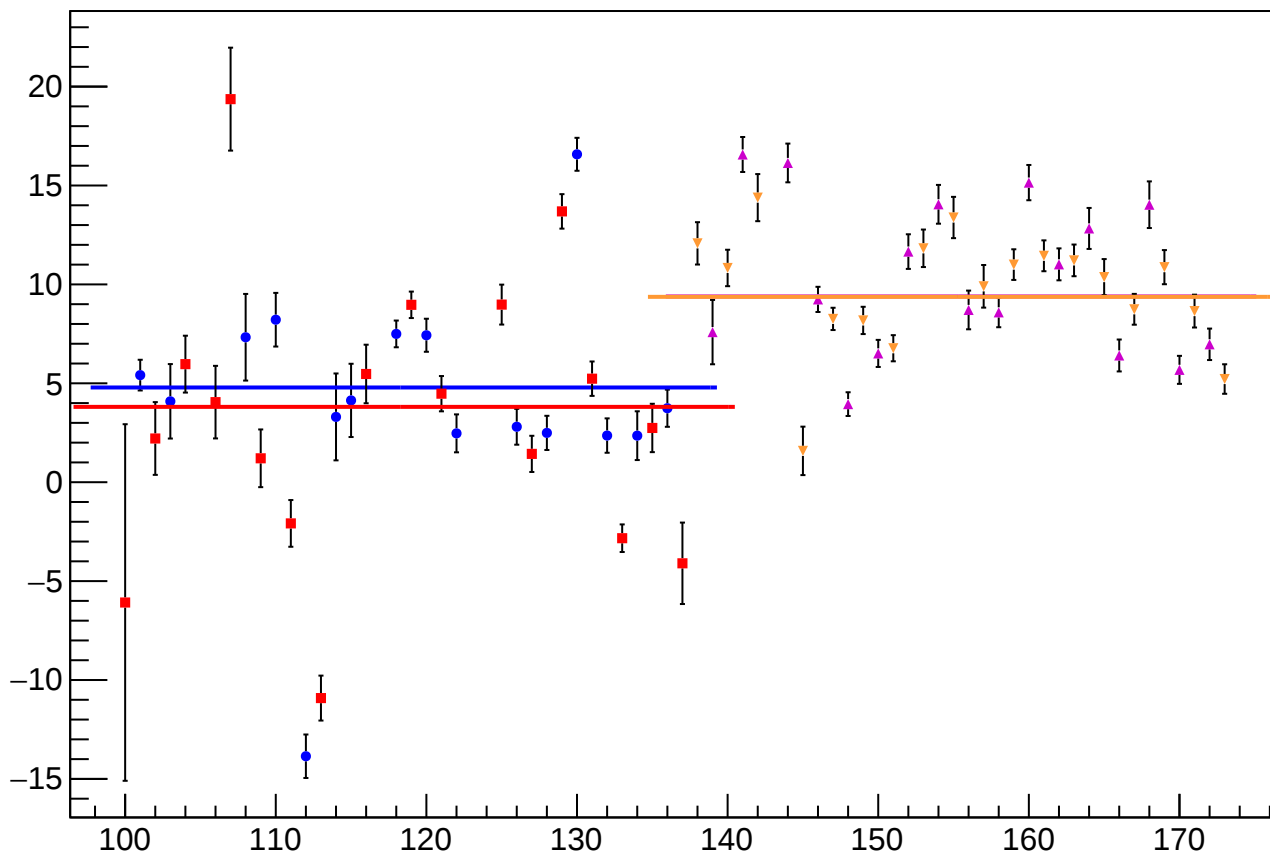
Right: 31.152 $\pm$ 0.297 χ^2 /NDF: 3184.7/33

In: 13.274 $\pm$ 0.206 χ^2 /NDF:4479.6/32

Out: 14.043 $\pm$ 0.206 χ^2 /NDF:5420.4/35

All: 13.659 $\pm$ 0.146 χ^2 /NDF: 9907.0/68

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.789 ± 0.251 $\chi^2/\text{NDF}: 553.9/15$

Left Out: 9.371 ± 0.195 $\chi^2/\text{NDF}: 164.6/17$

Right Out: 3.809 ± 0.259 $\chi^2/\text{NDF}: 567.6/17$

Left In: 9.391 ± 0.201 $\chi^2/\text{NDF}: 368.2/16$

Left: 9.381 ± 0.140 $\chi^2/\text{NDF}: 532.8/34$

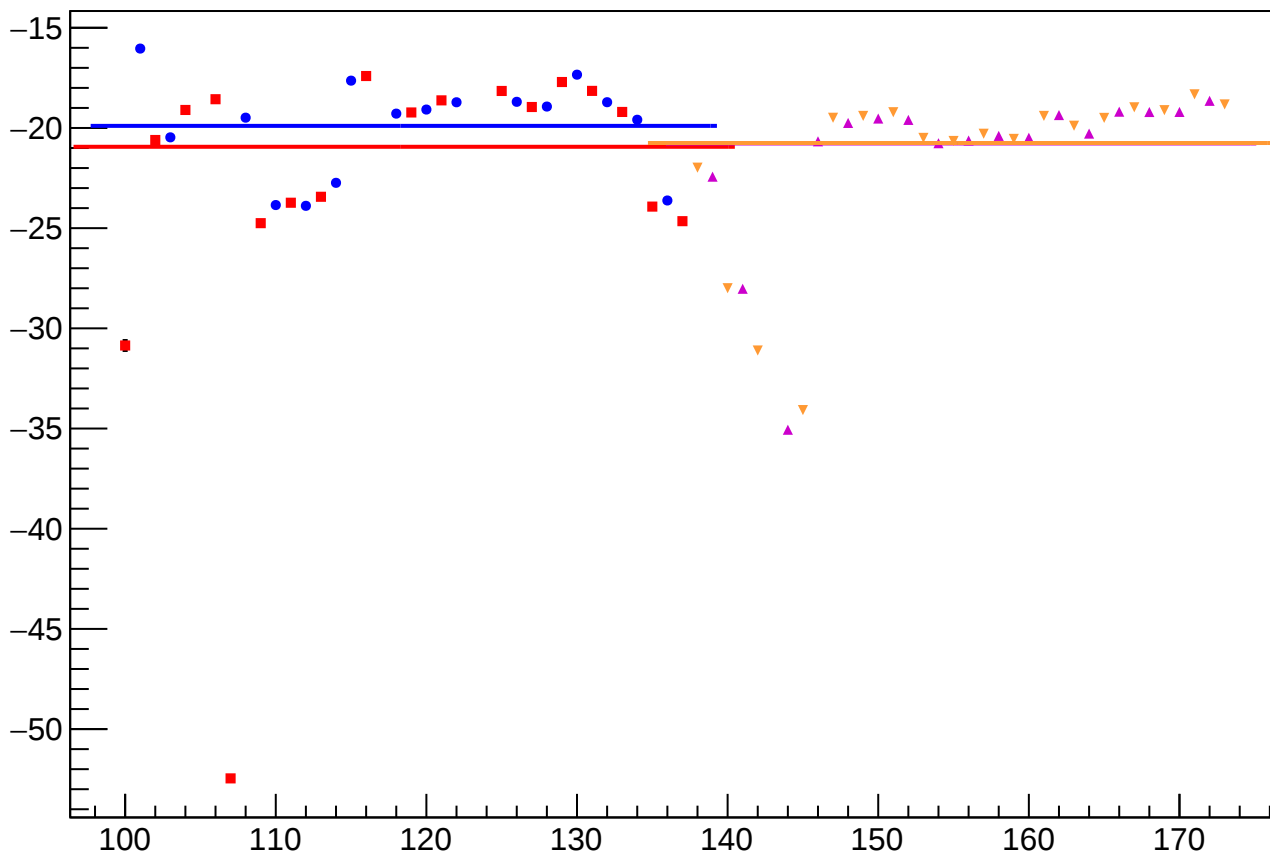
Right: 4.313 ± 0.180 $\chi^2/\text{NDF}: 1128.9/33$

In: 7.597 ± 0.157 $\chi^2/\text{NDF}: 1126.9/32$

Out: 7.351 ± 0.156 $\chi^2/\text{NDF}: 1026.2/35$

All: 7.473 ± 0.111 $\chi^2/\text{NDF}: 2154.4/68$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.895 $\pm$ 0.016 χ^2 /NDF: 26073.6/15

Left Out: -20.751 $\pm$ 0.009 χ^2 /NDF:140933.2/17

Right Out: -20.938 $\pm$ 0.016 χ^2 /NDF: 94065.2/17

Left In: -20.774 $\pm$ 0.009 χ^2 /NDF:111867.5/16

Left: -20.762 $\pm$ 0.007 χ^2 /NDF: 252803.9/34

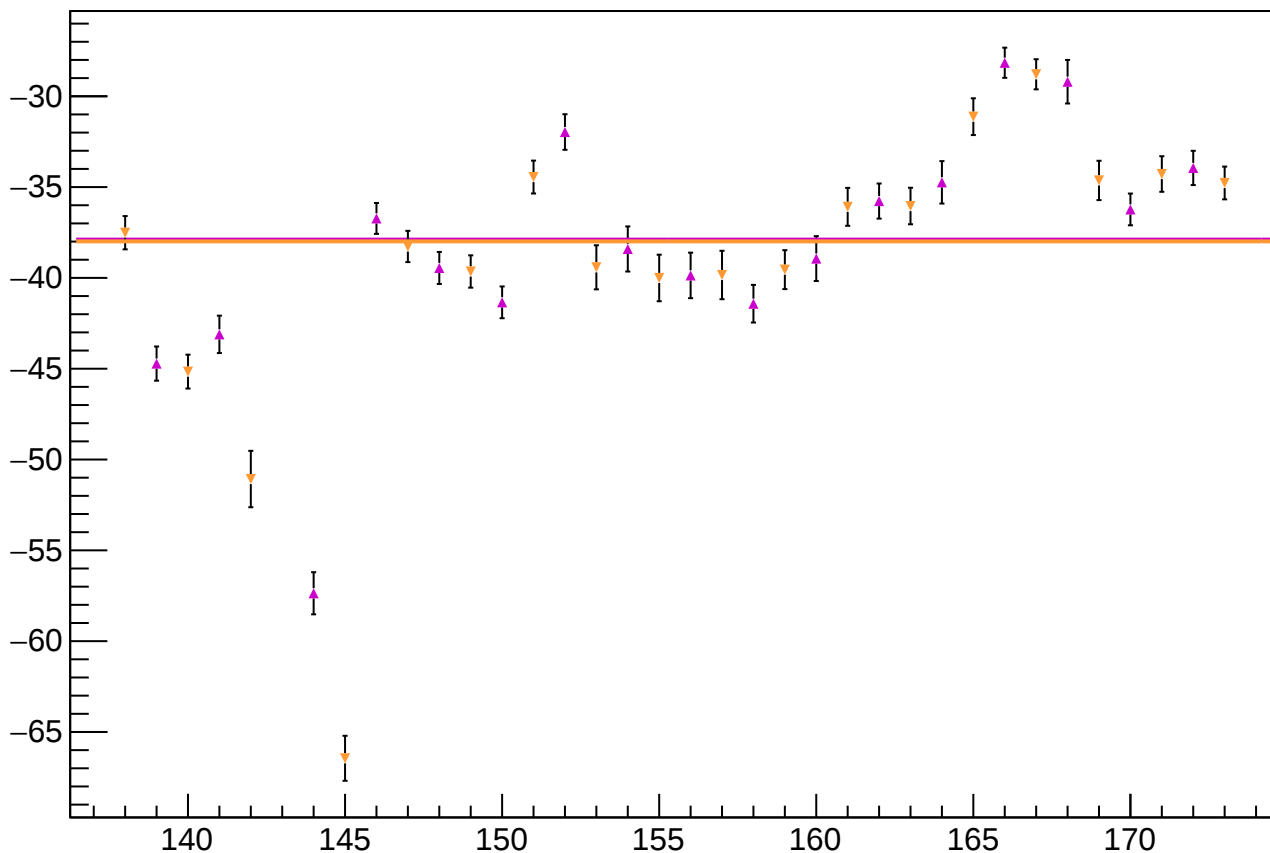
Right: -20.412 $\pm$ 0.011 χ^2 /NDF: 122364.1/33

In: -20.543 $\pm$ 0.008 χ^2 /NDF:140288.5/32

Out: -20.799 $\pm$ 0.008 χ^2 /NDF:235104.7/35

All: -20.671 $\pm$ 0.006 χ^2 /NDF: 375909.1/68

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: -37.988+/-0.240 χ^2/NDF : 897.7/17

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

Left In: -37.893+/-0.242 χ^2/NDF : 655.6/16

Left: -37.941+/-0.170 χ^2/NDF : 1553.4/34

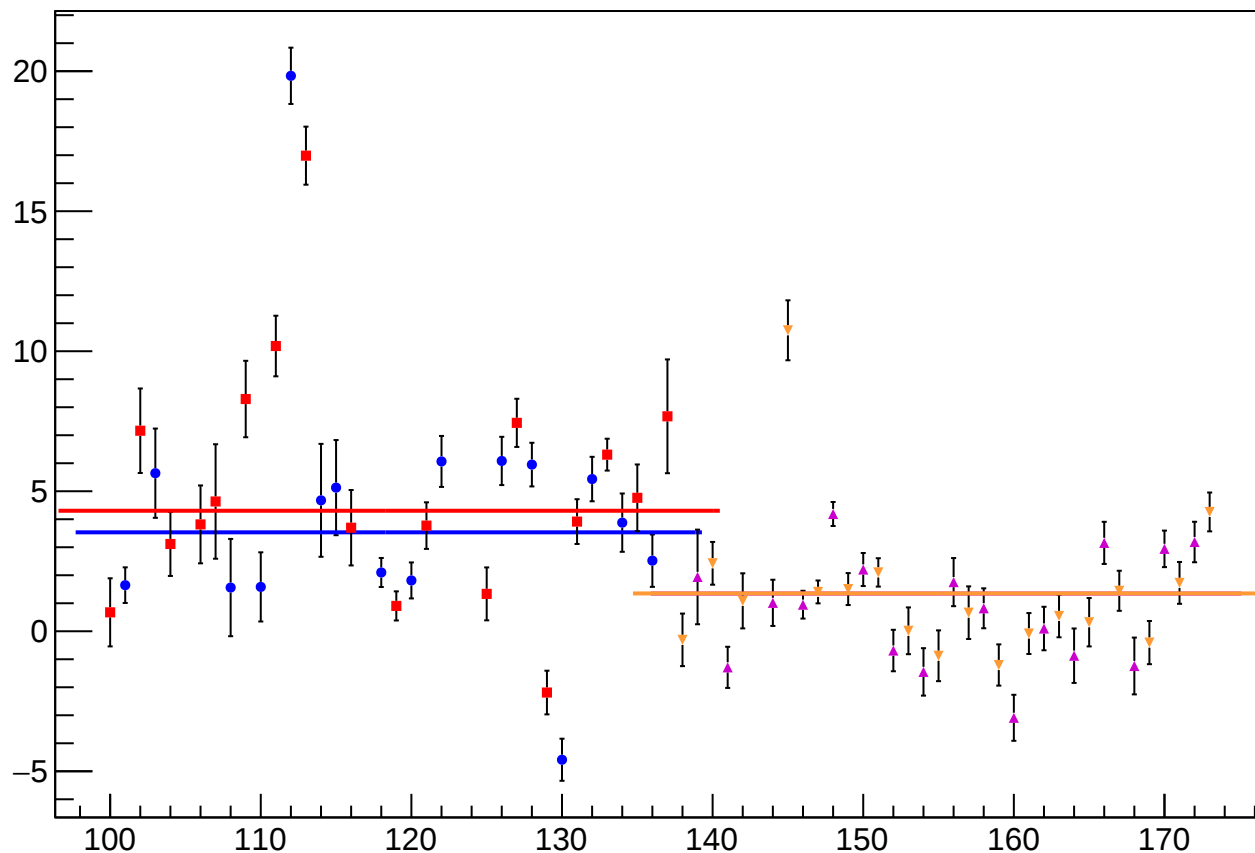
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.893+/-0.242 χ^2/NDF : 655.6/16

Out: -37.988+/-0.240 χ^2/NDF : 897.7/17

All: -37.941+/-0.170 χ^2/NDF : 1553.4/34

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.532 ± 0.217 χ^2/NDF : 443.2/15

Left Out: 1.351 ± 0.167 χ^2/NDF : 135.1/17

Right Out: 4.303 ± 0.222 χ^2/NDF : 352.8/17

Left In: 1.347 ± 0.172 χ^2/NDF : 140.7/16

Left: 1.349 ± 0.120 χ^2/NDF : 275.8/34

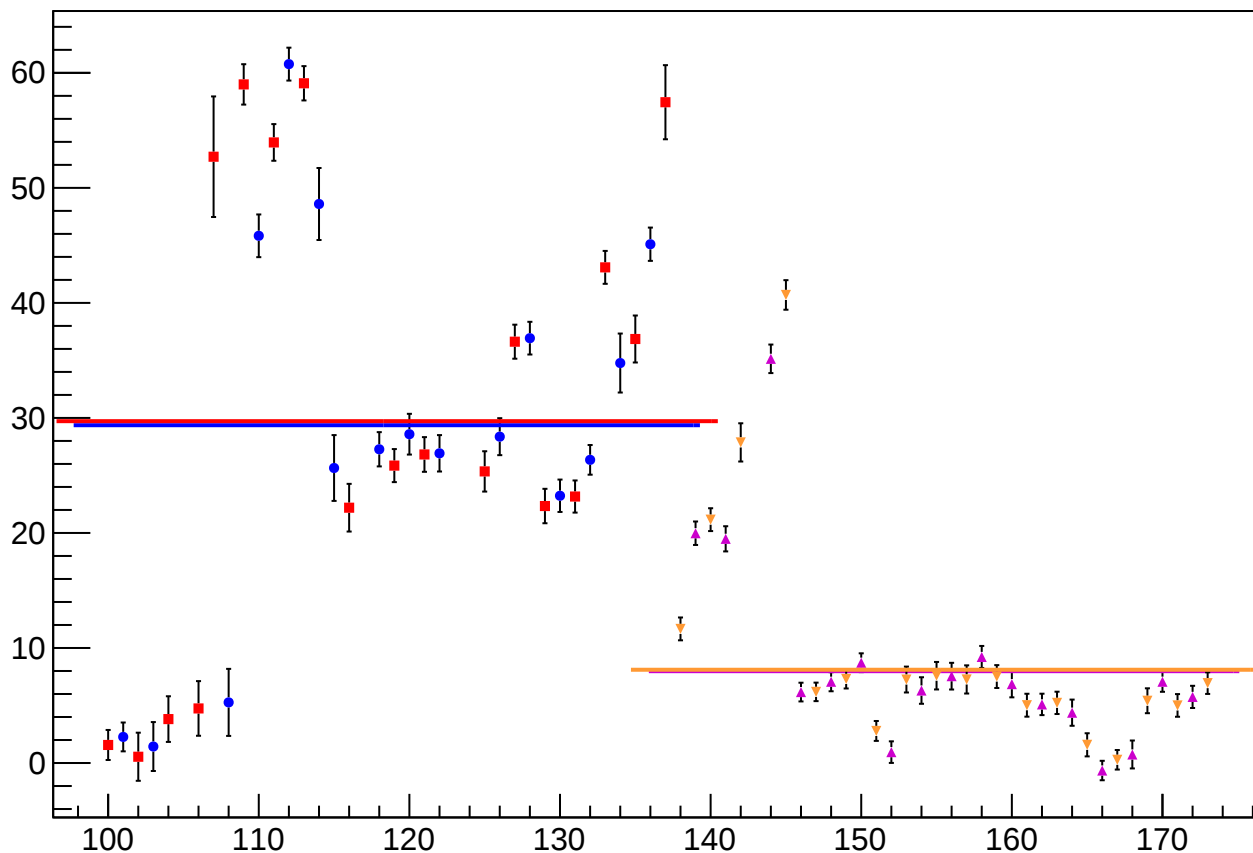
Right: 3.910 ± 0.155 χ^2/NDF : 802.2/33

In: 2.190 ± 0.135 χ^2/NDF : 646.2/32

Out: 2.422 ± 0.133 χ^2/NDF : 601.0/35

All: 2.307 ± 0.095 χ^2/NDF : 1248.7/68

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.367 $\pm$ 0.416 χ^2 /NDF: 1488.7/15

Left Out: 8.107 $\pm$ 0.236 χ^2 /NDF:1178.6/17

Right Out: 29.719 $\pm$ 0.402 χ^2 /NDF: 2129.5/17

Left In: 7.983 $\pm$ 0.237 χ^2 /NDF:962.4/16

Left: 8.045 $\pm$ 0.167 χ^2 /NDF: 2141.2/34

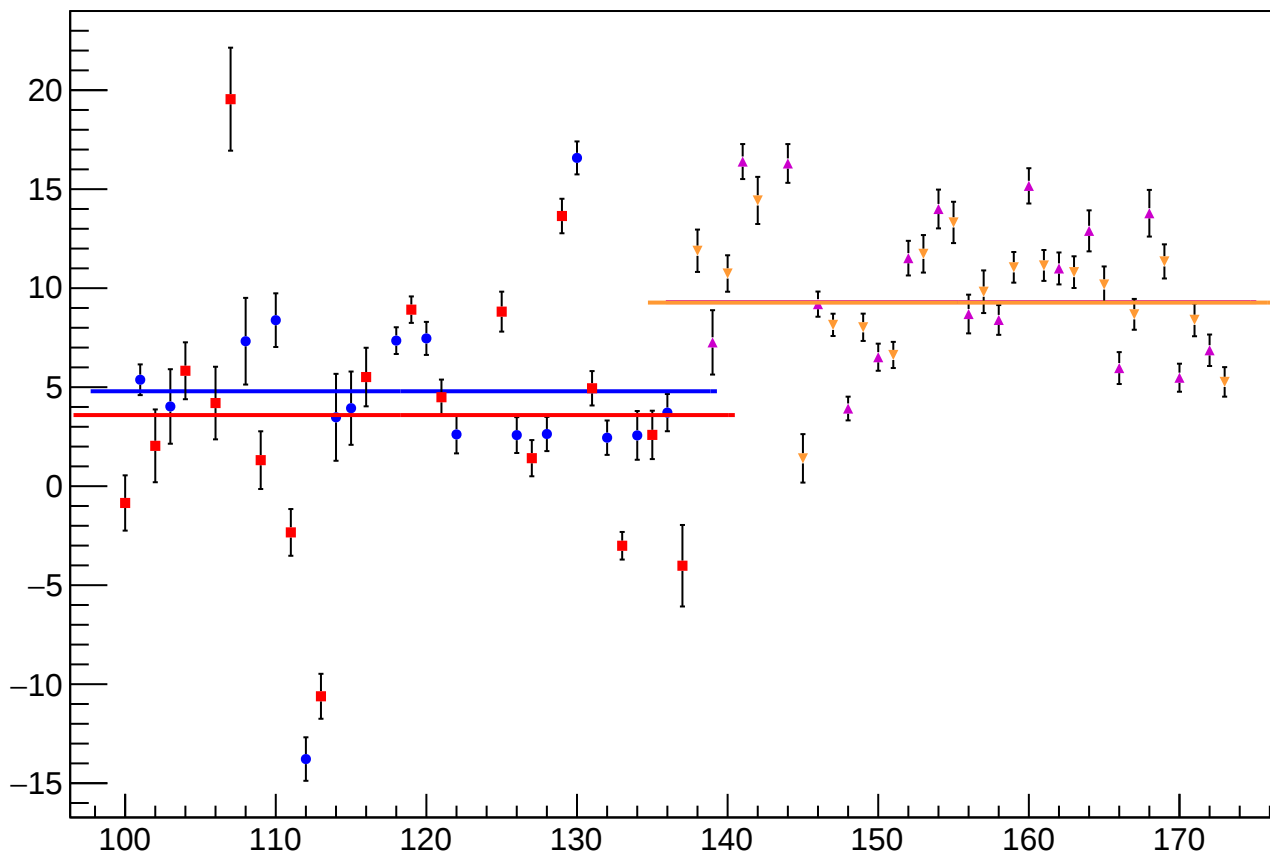
Right: 29.549 $\pm$ 0.289 χ^2 /NDF: 3618.6/33

In: 13.220 $\pm$ 0.206 χ^2 /NDF:4441.7/32

Out: 13.637 $\pm$ 0.204 χ^2 /NDF:5454.0/35

All: 13.431 $\pm$ 0.145 χ^2 /NDF: 9897.8/68

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.794 ± 0.251 $\chi^2/\text{NDF}: 550.0/15$

Left Out: 9.273 ± 0.195 $\chi^2/\text{NDF}: 166.1/17$

Right Out: 3.591 ± 0.254 $\chi^2/\text{NDF}: 573.3/17$

Left In: 9.297 ± 0.201 $\chi^2/\text{NDF}: 375.5/16$

Left: 9.285 ± 0.140 $\chi^2/\text{NDF}: 541.6/34$

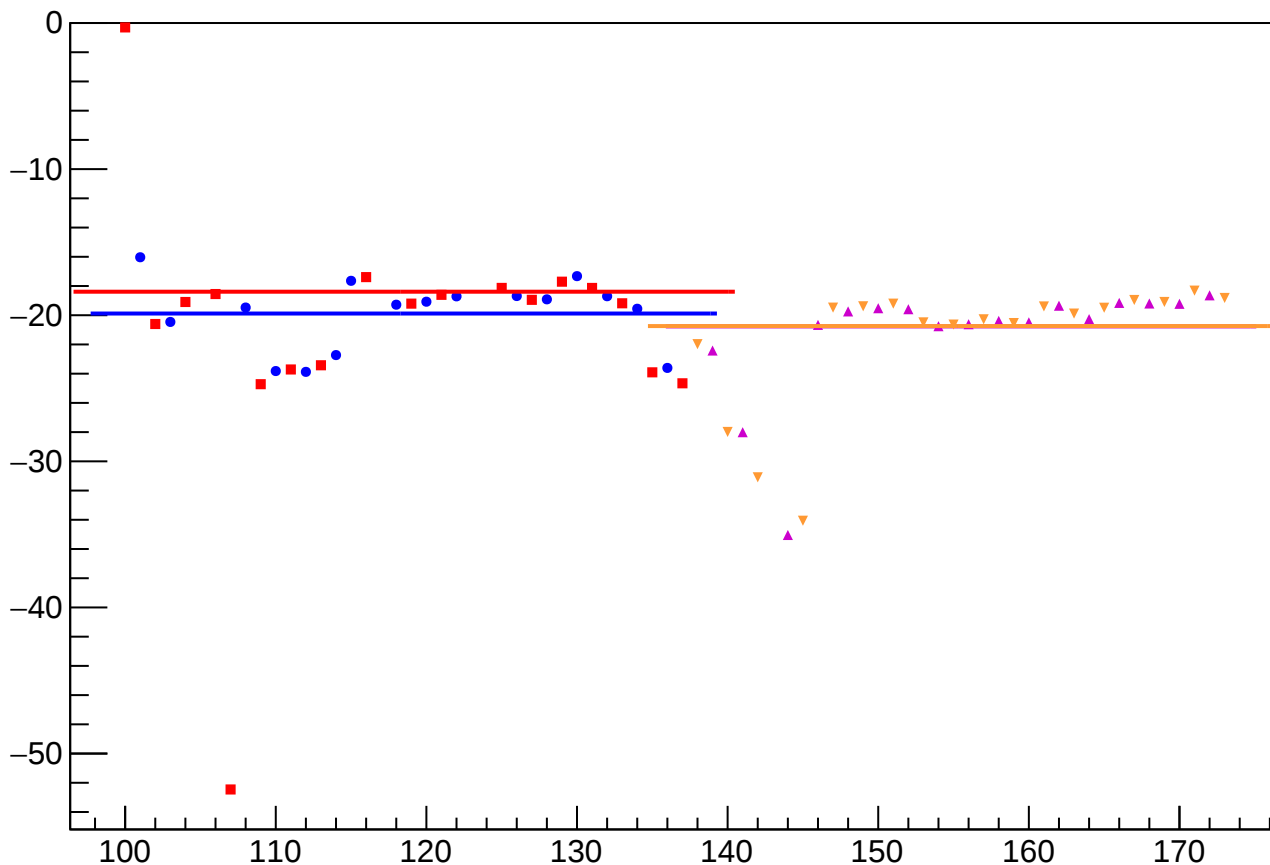
Right: 4.201 ± 0.179 $\chi^2/\text{NDF}: 1134.6/33$

In: 7.541 ± 0.157 $\chi^2/\text{NDF}: 1121.7/32$

Out: 7.166 ± 0.155 $\chi^2/\text{NDF}: 1053.1/35$

All: 7.351 ± 0.110 $\chi^2/\text{NDF}: 2177.7/68$

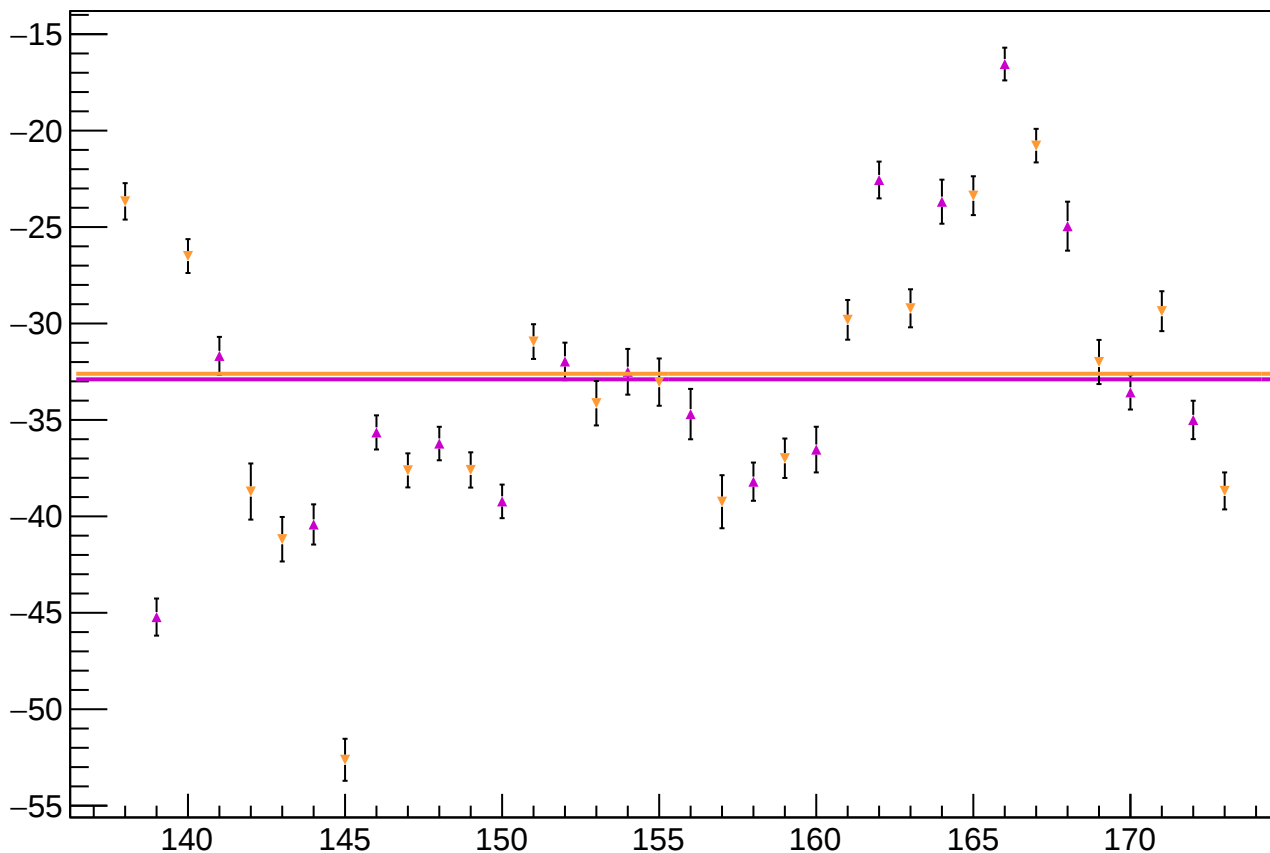
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.883 ± 0.016 $\chi^2/\text{NDF}: 26063.5/15$
 Left Out: -20.743 ± 0.009 $\chi^2/\text{NDF}: 141024.5/17$
 Right Out: -18.390 ± 0.015 $\chi^2/\text{NDF}: 301247.7/17$
 Left In: -20.765 ± 0.009 $\chi^2/\text{NDF}: 111761.7/16$

Left: -20.754 ± 0.007 $\chi^2/\text{NDF}: 252789.3/34$
 Right: -19.096 ± 0.011 $\chi^2/\text{NDF}: 332167.8/33$
 In: -20.533 ± 0.008 $\chi^2/\text{NDF}: 140193.5/32$
 Out: -20.077 ± 0.008 $\chi^2/\text{NDF}: 460550.7/35$
 All: -20.301 ± 0.006 $\chi^2/\text{NDF}: 602402.9/68$

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: -32.606+/-0.235 χ^2/NDF :995.5/18

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

Left In: -32.895+/-0.241 χ^2/NDF :933.7/16

Left: -32.746+/-0.168 χ^2/NDF : 1930.0/35

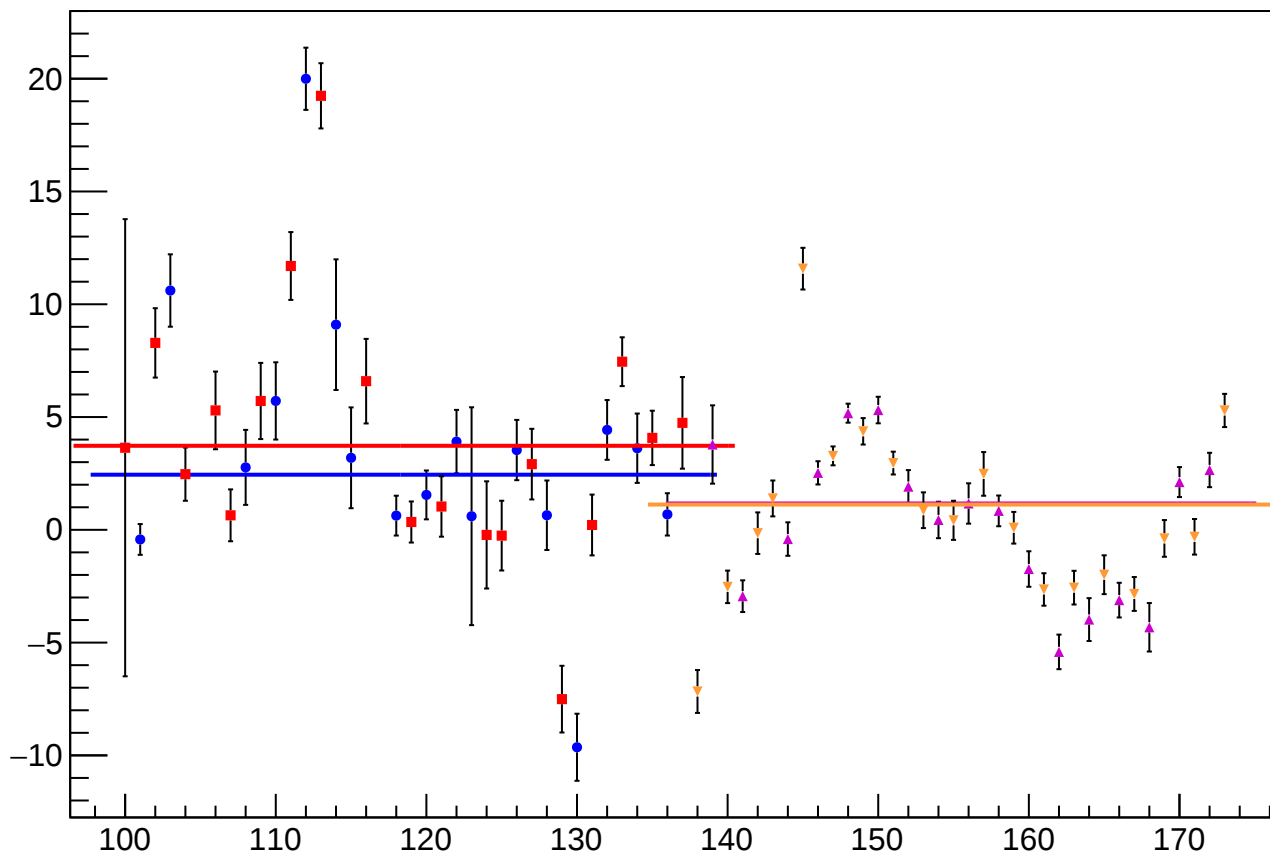
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.895+/-0.241 χ^2/NDF :933.7/16

Out: -32.606+/-0.235 χ^2/NDF :995.5/18

All: -32.746+/-0.168 χ^2/NDF : 1930.0/35

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.444 ± 0.311 χ^2/NDF : 295.3/16

Left Out: 1.120 ± 0.164 χ^2/NDF : 438.5/18

Right Out: 3.726 ± 0.327 χ^2/NDF : 269.1/18

Left In: 1.169 ± 0.171 χ^2/NDF : 369.6/16

Left: 1.143 ± 0.118 χ^2/NDF : 808.2/35

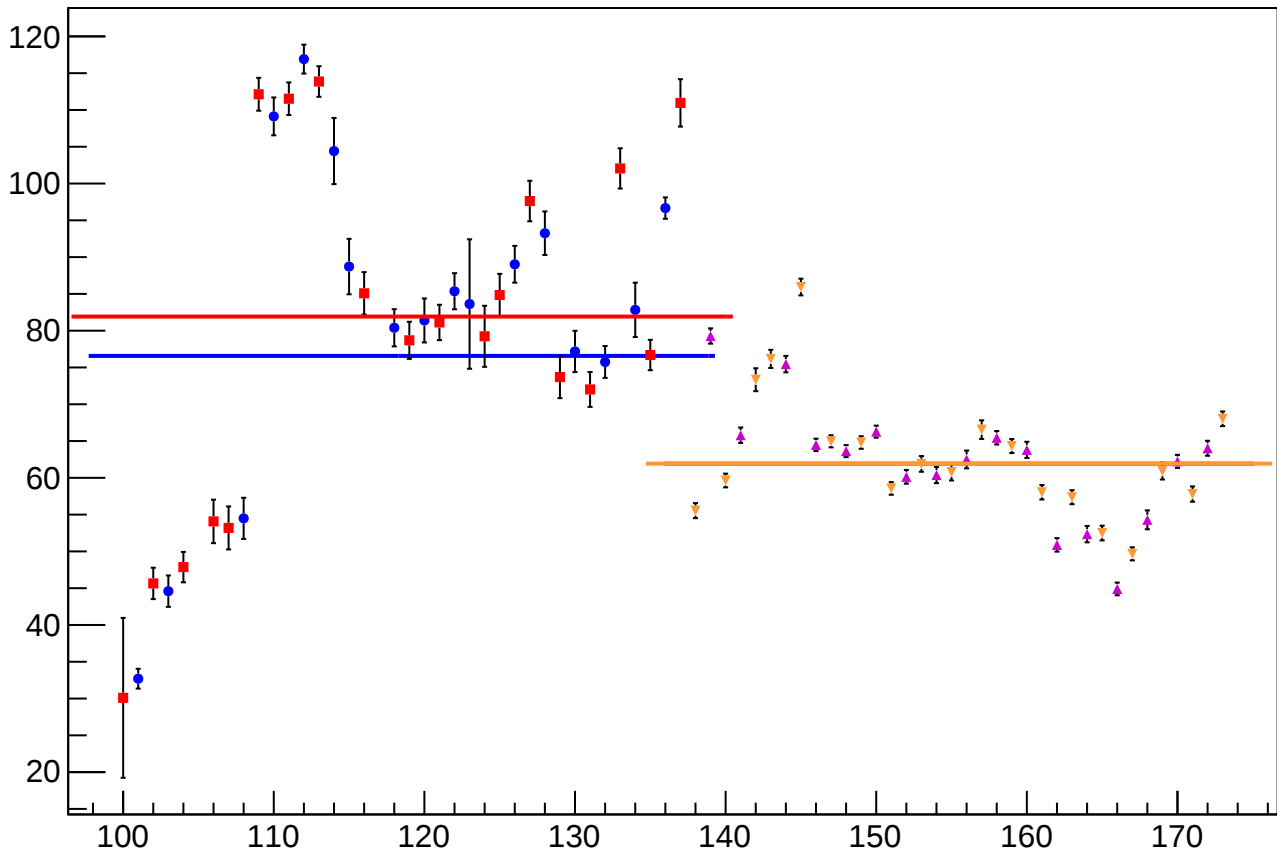
Right: 3.053 ± 0.225 χ^2/NDF : 572.5/35

In: 1.464 ± 0.150 χ^2/NDF : 677.8/33

Out: 1.642 ± 0.146 χ^2/NDF : 758.4/37

All: 1.555 ± 0.105 χ^2/NDF : 1437.0/71

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.572 $\pm$ 0.573 χ^2 /NDF: 2253.6/16

Left Out: 61.928 $\pm$ 0.232 χ^2 /NDF:1109.1/18

Right Out: 81.923 $\pm$ 0.592 χ^2 /NDF: 1570.6/18

Left In: 61.930 $\pm$ 0.236 χ^2 /NDF:1150.9/16

Left: 61.929 $\pm$ 0.166 χ^2 /NDF: 2260.0/35

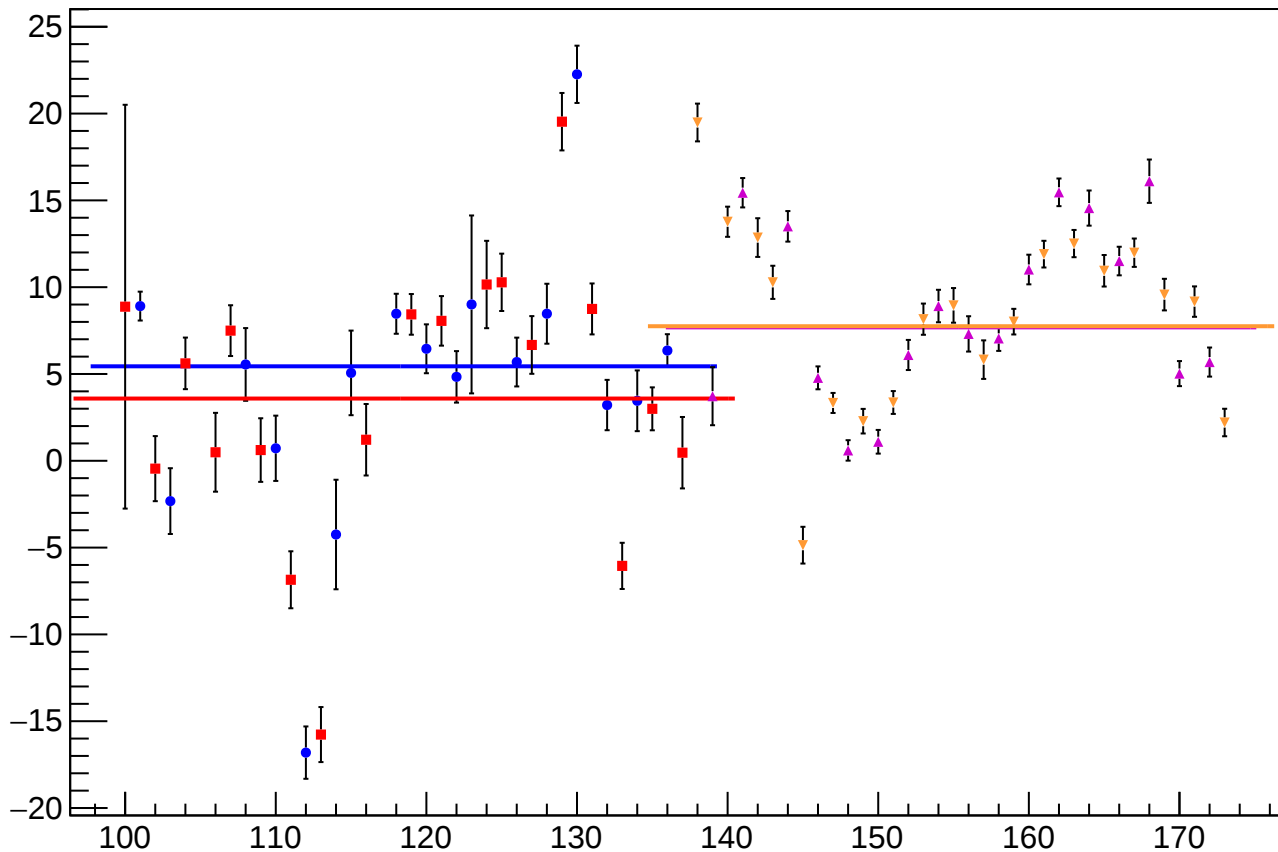
Right: 79.162 $\pm$ 0.412 χ^2 /NDF: 3866.3/35

In: 64.058 $\pm$ 0.219 χ^2 /NDF:3962.0/33

Out: 64.588 $\pm$ 0.216 χ^2 /NDF:3669.0/37

All: 64.326 $\pm$ 0.154 χ^2 /NDF: 7634.0/71

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.442 ± 0.357 χ^2/NDF : 387.5/16

Left Out: 7.751 ± 0.191 χ^2/NDF : 662.8/18

Right Out: 3.585 ± 0.375 χ^2/NDF : 423.2/18

Left In: 7.685 ± 0.199 χ^2/NDF : 639.9/16

Left: 7.719 ± 0.138 χ^2/NDF : 1302.8/35

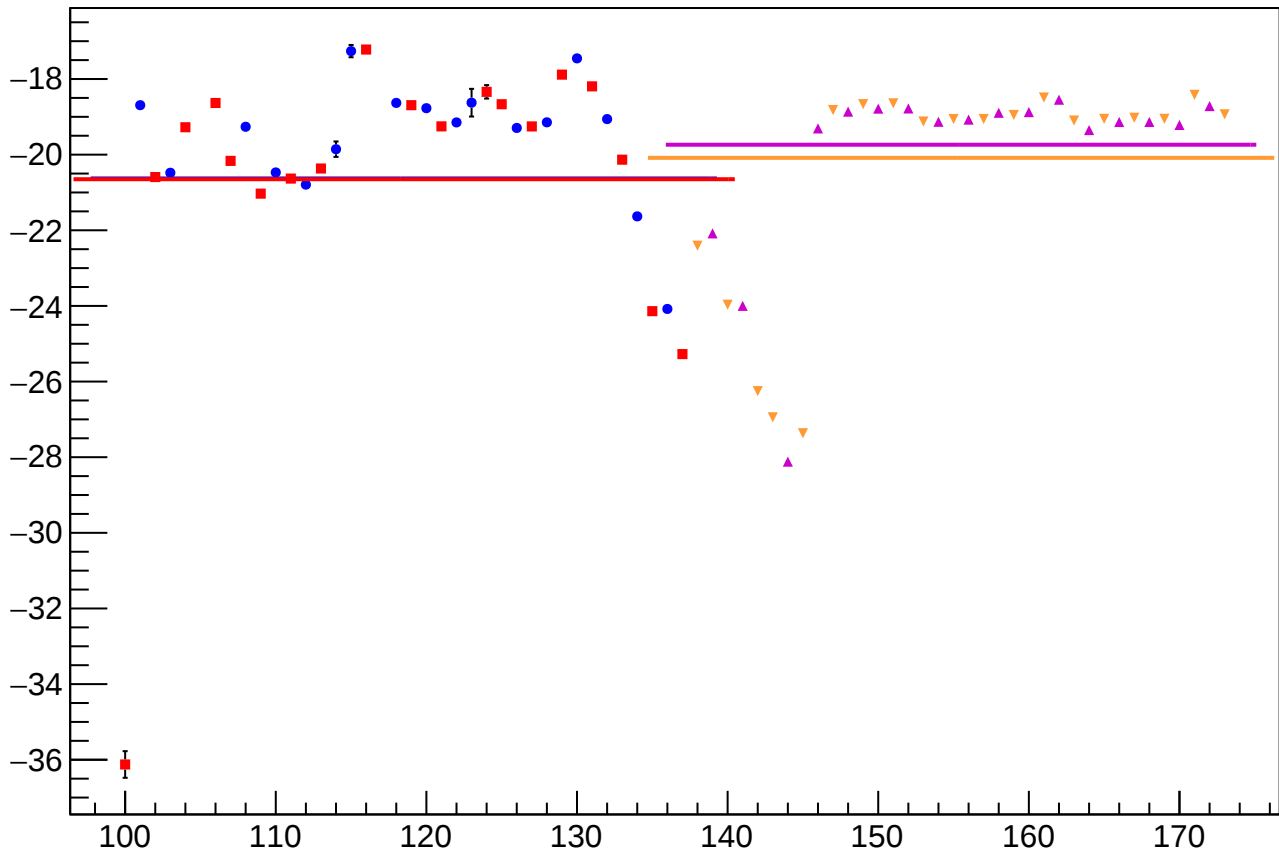
Right: 4.559 ± 0.259 χ^2/NDF : 823.5/35

In: 7.152 ± 0.174 χ^2/NDF : 1057.4/33

Out: 6.891 ± 0.171 χ^2/NDF : 1183.9/37

All: 7.019 ± 0.122 χ^2/NDF : 2242.4/71

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630 ± 0.019 $\chi^2/\text{NDF}: 12490.5/16$

Left Out: -20.084 ± 0.009 $\chi^2/\text{NDF}: 82282.8/18$

Right Out: -20.650 ± 0.019 $\chi^2/\text{NDF}: 13885.7/18$

Left In: -19.738 ± 0.009 $\chi^2/\text{NDF}: 50111.7/16$

Left: -19.914 ± 0.007 $\chi^2/\text{NDF}: 133103.4/35$

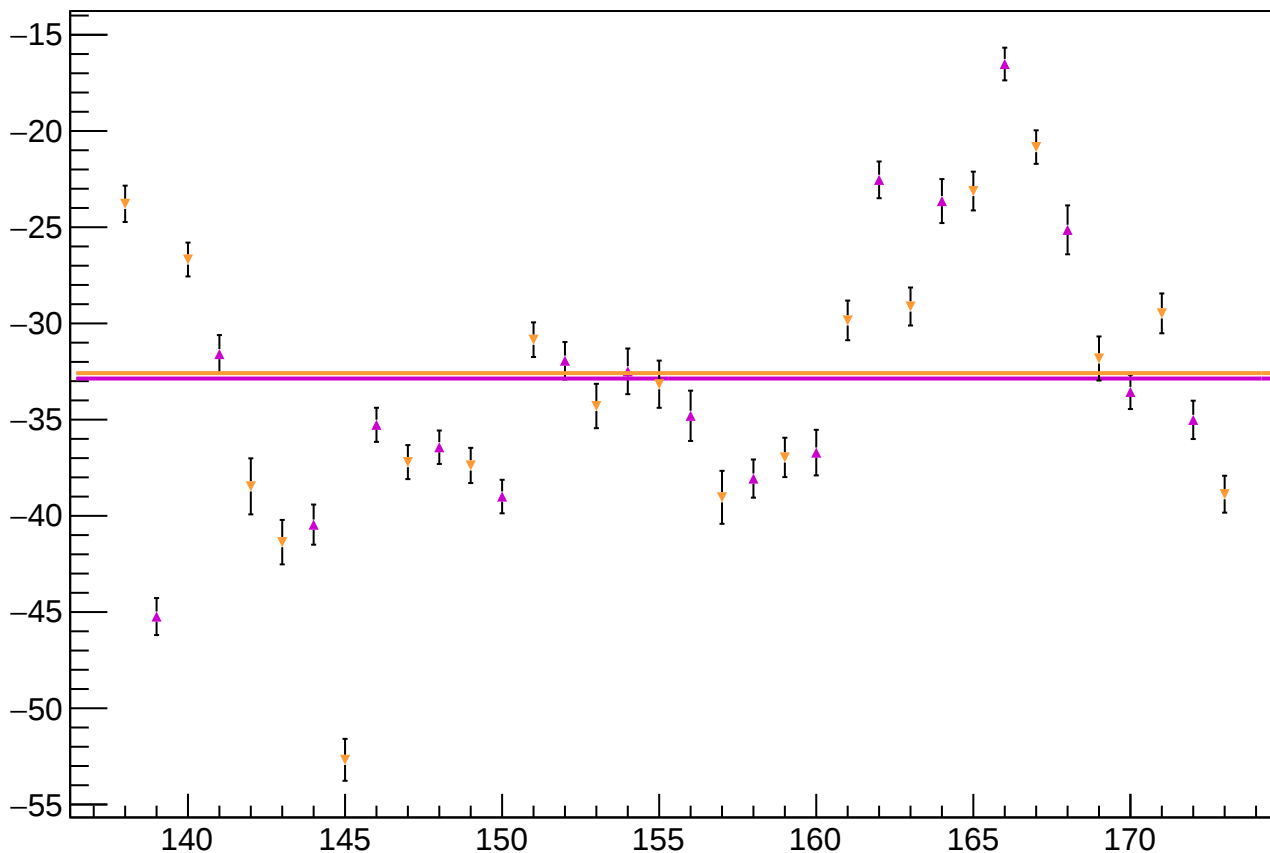
Right: -20.640 ± 0.014 $\chi^2/\text{NDF}: 26376.6/35$

In: -19.906 ± 0.008 $\chi^2/\text{NDF}: 64342.5/33$

Out: -20.186 ± 0.008 $\chi^2/\text{NDF}: 96863.0/37$

All: -20.048 ± 0.006 $\chi^2/\text{NDF}: 161773.7/71$

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



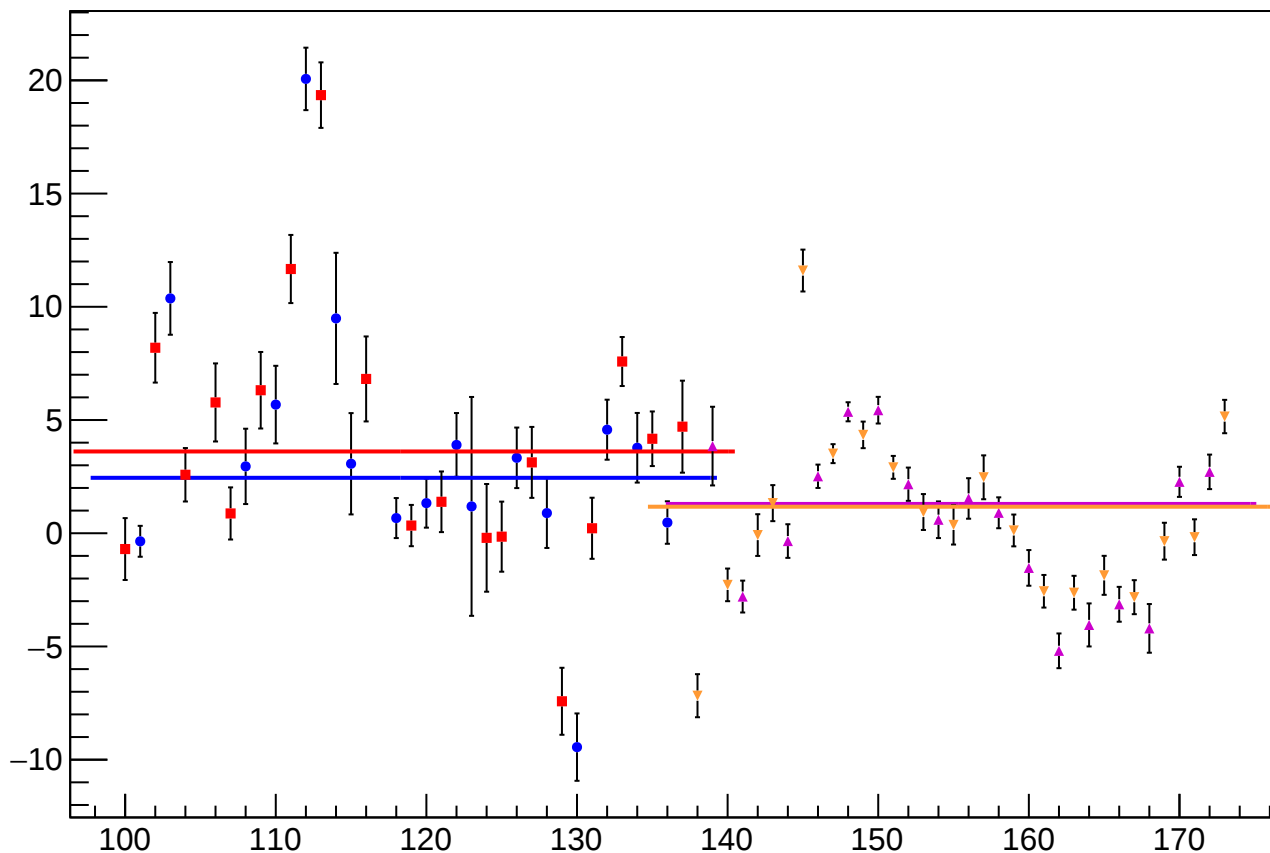
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.583+/-0.235 χ^2/NDF :989.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.864+/-0.241 χ^2/NDF :929.5/16

Left: -32.720+/-0.168 χ^2/NDF : 1919.7/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.864+/-0.241 χ^2/NDF :929.5/16
 Out: -32.583+/-0.235 χ^2/NDF :989.5/18

All: -32.720+/-0.168 χ^2/NDF : 1919.7/35

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.448 $\pm$ 0.311 χ^2 /NDF: 293.4/16

Left Out: 1.171 $\pm$ 0.164 χ^2 /NDF:435.3/18

Right Out: 3.611 $\pm$ 0.318 χ^2 /NDF: 279.4/18

Left In: 1.294 $\pm$ 0.171 χ^2 /NDF:372.6/16

Left: 1.230 $\pm$ 0.118 χ^2 /NDF: 808.2/35

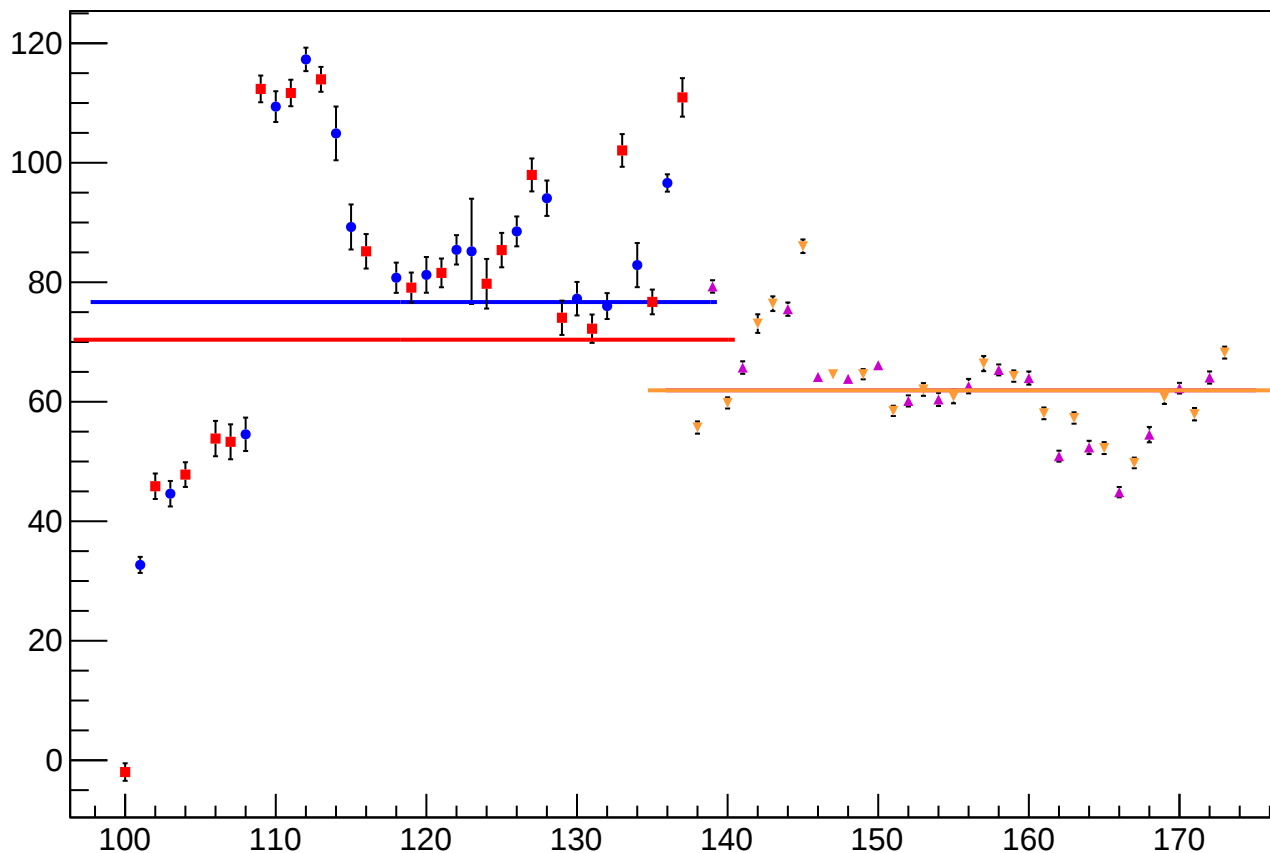
Right: 3.017 $\pm$ 0.223 χ^2 /NDF: 579.6/35

In: 1.562 $\pm$ 0.150 χ^2 /NDF:676.6/33

Out: 1.682 $\pm$ 0.146 χ^2 /NDF:761.2/37

All: 1.624 $\pm$ 0.104 χ^2 /NDF: 1438.1/71

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.687 $\pm$ 0.574 χ^2 /NDF: 2265.1/16

Left Out: 61.911 $\pm$ 0.232 χ^2 /NDF:1110.3/18

Right Out: 70.386 $\pm$ 0.550 χ^2 /NDF: 4391.1/18

Left In: 61.924 $\pm$ 0.237 χ^2 /NDF:1146.0/16

Left: 61.917 $\pm$ 0.166 χ^2 /NDF: 2256.3/35

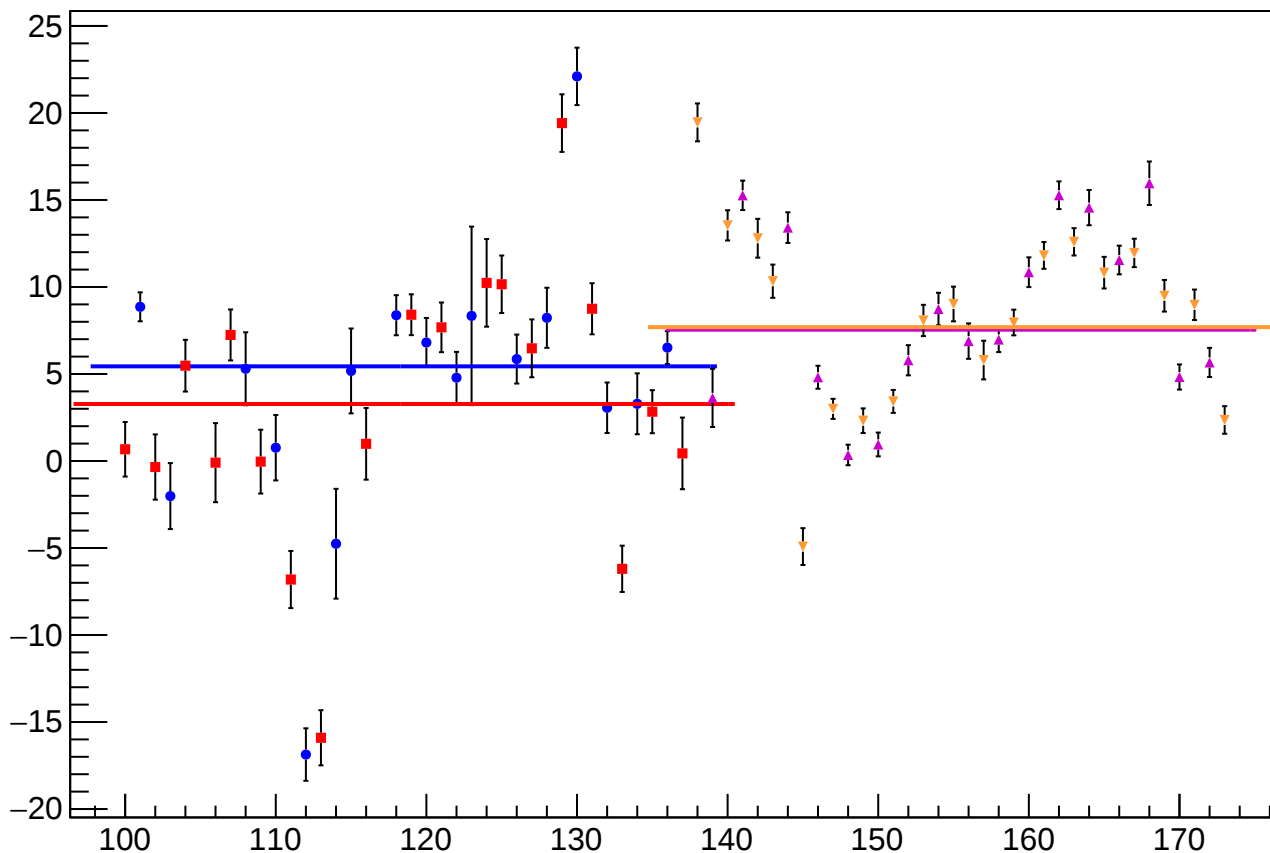
Right: 73.402 $\pm$ 0.397 χ^2 /NDF: 6719.1/35

In: 64.070 $\pm$ 0.219 χ^2 /NDF:3977.2/33

Out: 63.192 $\pm$ 0.214 χ^2 /NDF:5703.1/37

All: 63.621 $\pm$ 0.153 χ^2 /NDF: 9688.5/71

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.439 ± 0.357 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 7.692 ± 0.192 $\chi^2/\text{NDF}: 661.5/18$

Right Out: 3.275 ± 0.365 $\chi^2/\text{NDF}: 425.8/18$

Left In: 7.547 ± 0.200 $\chi^2/\text{NDF}: 644.6/16$

Left: 7.623 ± 0.138 $\chi^2/\text{NDF}: 1306.3/35$

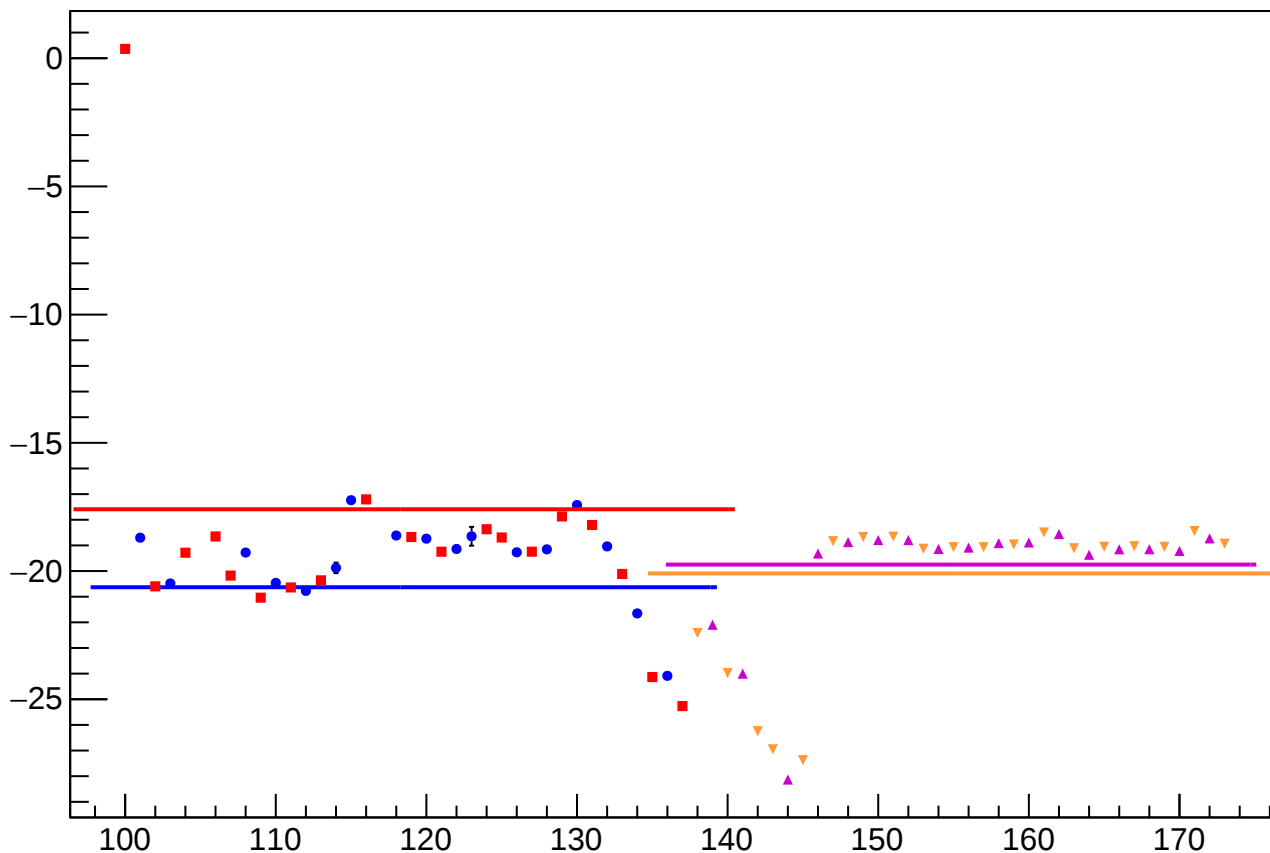
Right: 4.381 ± 0.256 $\chi^2/\text{NDF}: 829.6/35$

In: 7.046 ± 0.174 $\chi^2/\text{NDF}: 1057.0/33$

Out: 6.740 ± 0.170 $\chi^2/\text{NDF}: 1201.9/37$

All: 6.889 ± 0.122 $\chi^2/\text{NDF}: 2260.5/71$

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.632 $\pm$ 0.019 χ^2 /NDF: 12530.8/16

Left Out: -20.093 $\pm$ 0.009 χ^2 /NDF: 82133.3/18

Right Out: -17.591 $\pm$ 0.018 χ^2 /NDF: 178680.7/18

Left In: -19.748 $\pm$ 0.009 χ^2 /NDF: 50047.5/16

Left: -19.924 $\pm$ 0.007 χ^2 /NDF: 132883.8/35

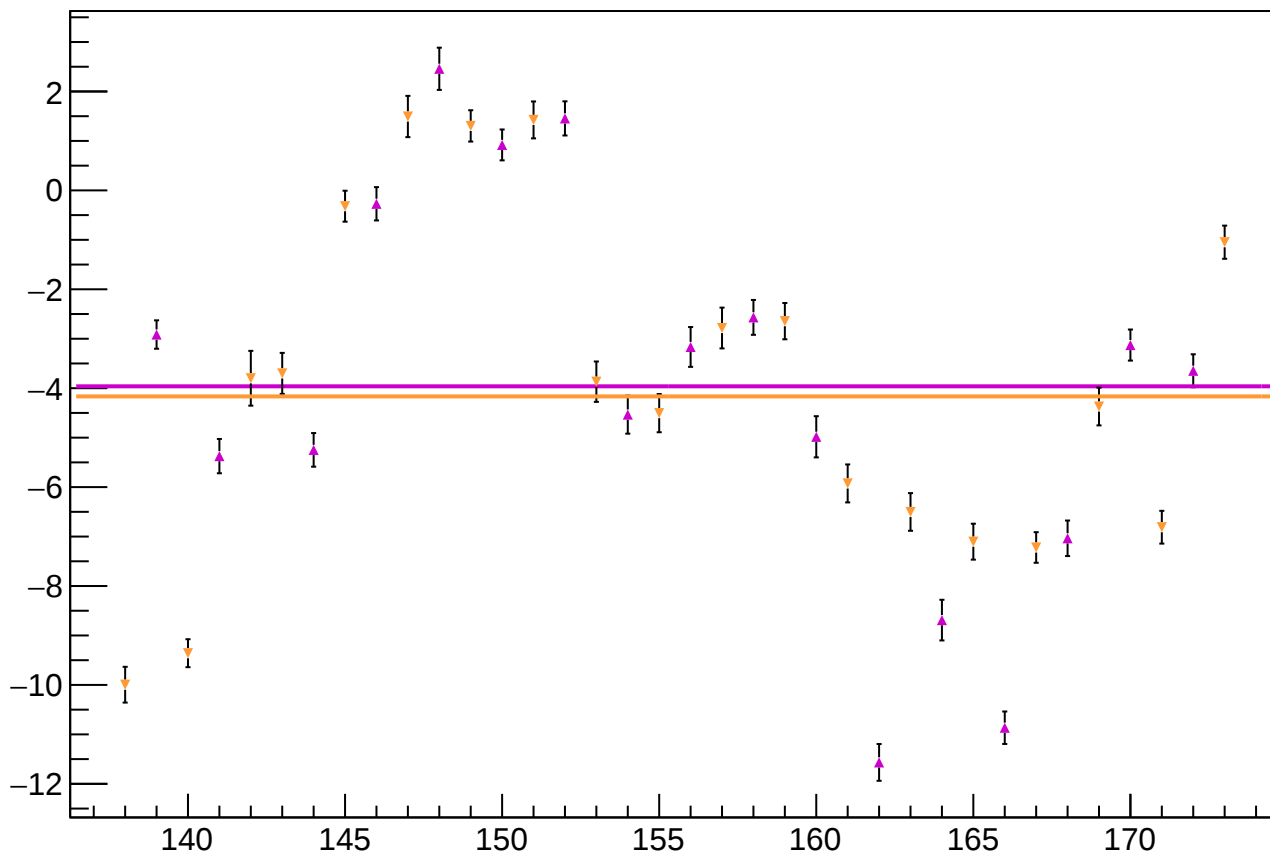
Right: -19.007 $\pm$ 0.013 χ^2 /NDF: 204486.4/35

In: -19.915 $\pm$ 0.008 χ^2 /NDF: 64280.3/33

Out: -19.584 $\pm$ 0.008 χ^2 /NDF: 276182.7/37

All: -19.744 $\pm$ 0.006 χ^2 /NDF: 341267.8/71

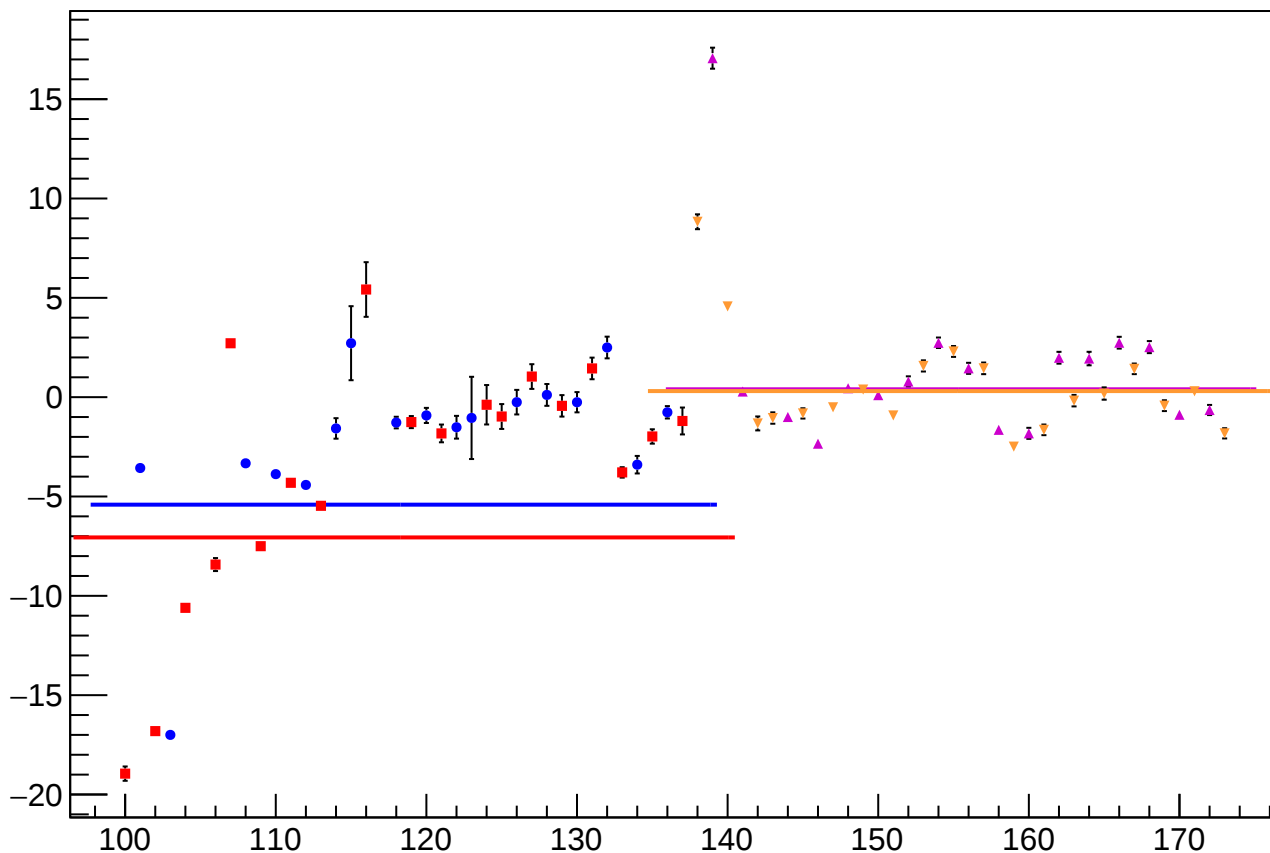
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -4.166 $\pm$ 0.083 χ^2/NDF :1857.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -3.962 $\pm$ 0.085 χ^2/NDF :1981.9/16

Left: -4.066 $\pm$ 0.059 χ^2/NDF : 3842.4/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -3.962 $\pm$ 0.085 χ^2/NDF :1981.9/16
 Out: -4.166 $\pm$ 0.083 χ^2/NDF :1857.6/18
 All: -4.066 $\pm$ 0.059 χ^2/NDF : 3842.4/35

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.411 ± 0.055 χ^2/NDF : 9261.2/16

Left Out: 0.306 ± 0.060 χ^2/NDF : 1316.6/18

Right Out: -7.060 ± 0.059 χ^2/NDF : 12329.4/18

Left In: 0.397 ± 0.063 χ^2/NDF : 1628.9/16

Left: 0.349 ± 0.044 χ^2/NDF : 2946.5/35

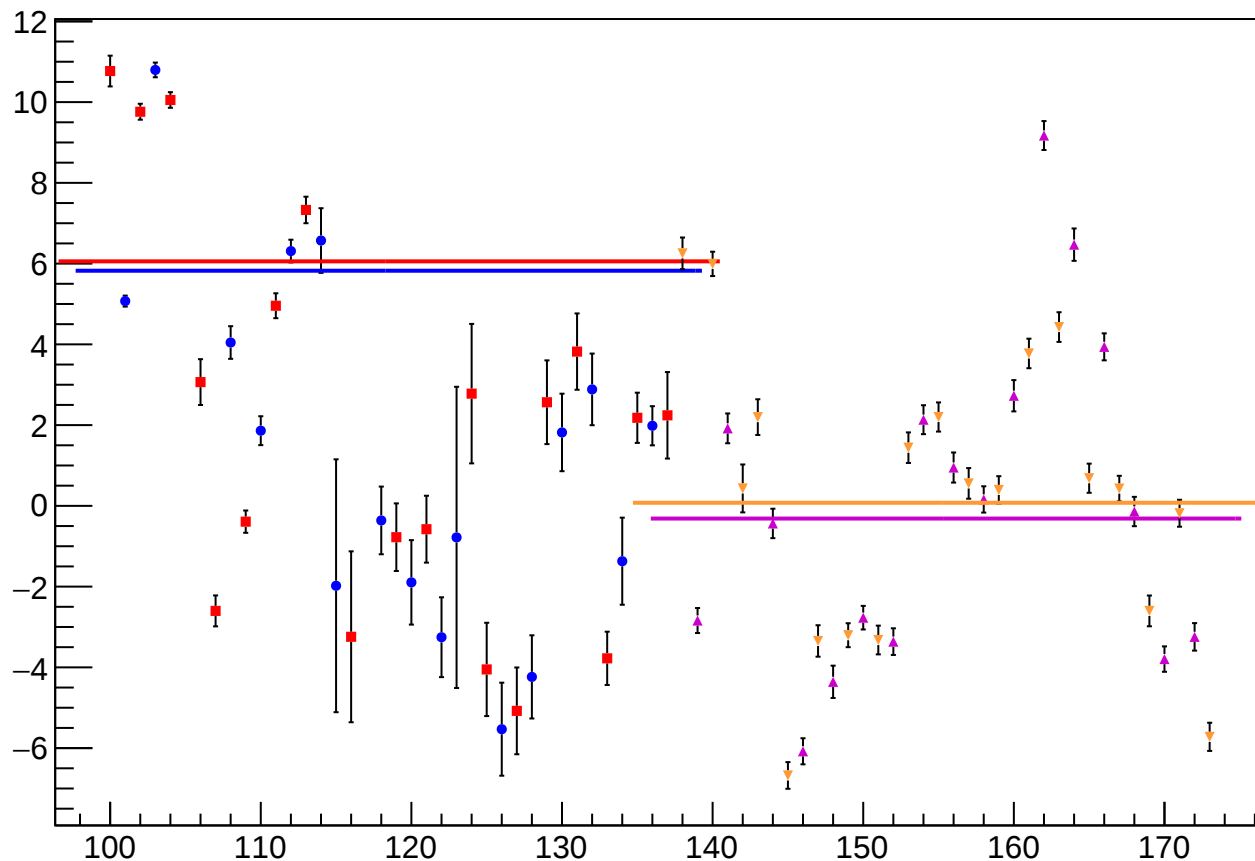
Right: -6.173 ± 0.040 χ^2/NDF : 22010.3/35

In: -2.919 ± 0.041 χ^2/NDF : 15720.3/33

Out: -3.442 ± 0.042 χ^2/NDF : 21291.7/37

All: -3.176 ± 0.030 χ^2/NDF : 37090.5/71

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.824 ± 0.090 $\chi^2/\text{NDF}: 1452.6/16$

Left Out: 0.077 ± 0.082 $\chi^2/\text{NDF}: 1987.2/18$

Right Out: 6.056 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

Left In: -0.314 ± 0.084 $\chi^2/\text{NDF}: 2148.2/16$

Left: -0.115 ± 0.059 $\chi^2/\text{NDF}: 4146.5/35$

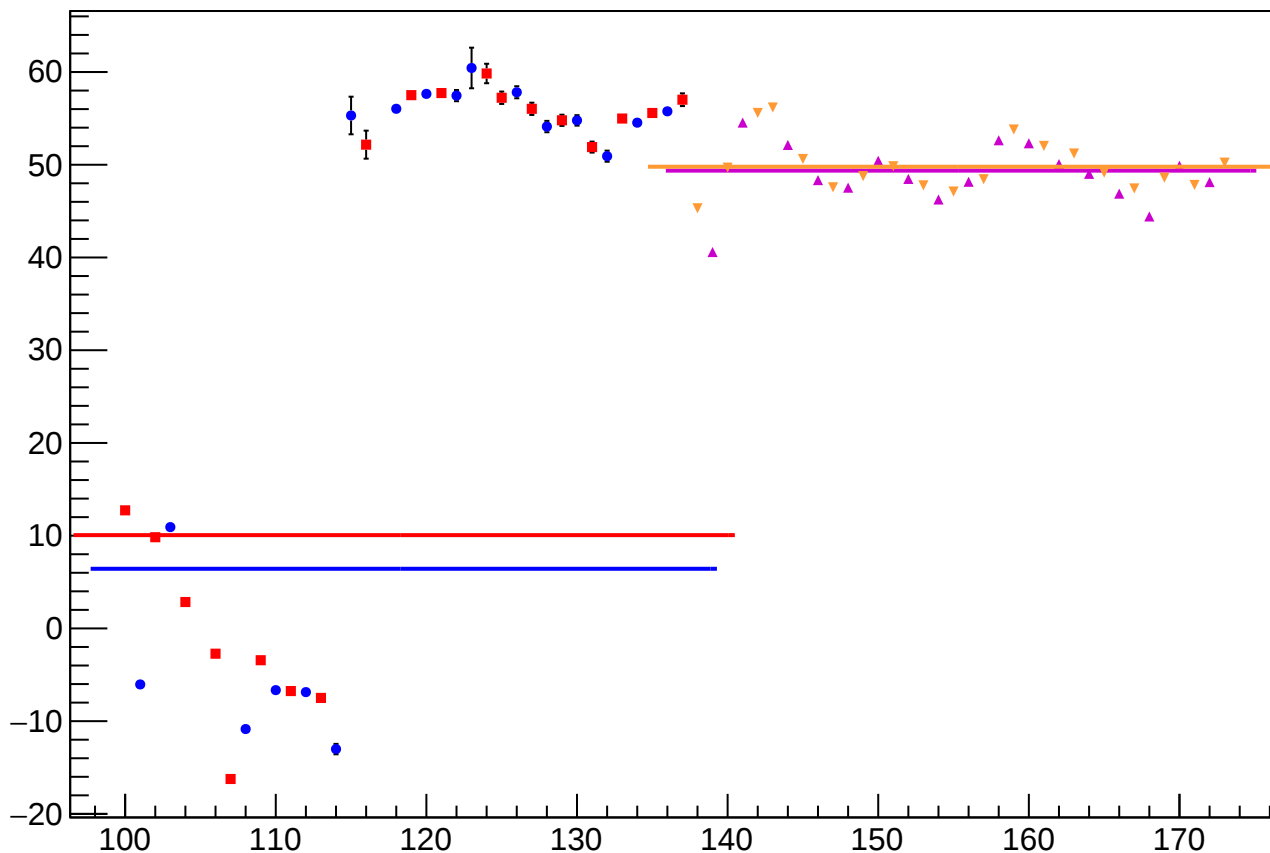
Right: 5.935 ± 0.065 $\chi^2/\text{NDF}: 4124.7/35$

In: 2.551 ± 0.061 $\chi^2/\text{NDF}: 6104.2/33$

Out: 2.696 ± 0.062 $\chi^2/\text{NDF}: 6962.9/37$

All: 2.623 ± 0.043 $\chi^2/\text{NDF}: 13069.8/71$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.432 ± 0.065 $\chi^2/\text{NDF}: 123486.3/16$

Left Out: 49.787 ± 0.069 $\chi^2/\text{NDF}: 1308.4/18$

Right Out: 10.060 ± 0.070 $\chi^2/\text{NDF}: 121816.0/18$

Left In: 49.365 ± 0.072 $\chi^2/\text{NDF}: 1436.9/16$

Left: 49.585 ± 0.050 $\chi^2/\text{NDF}: 2763.1/35$

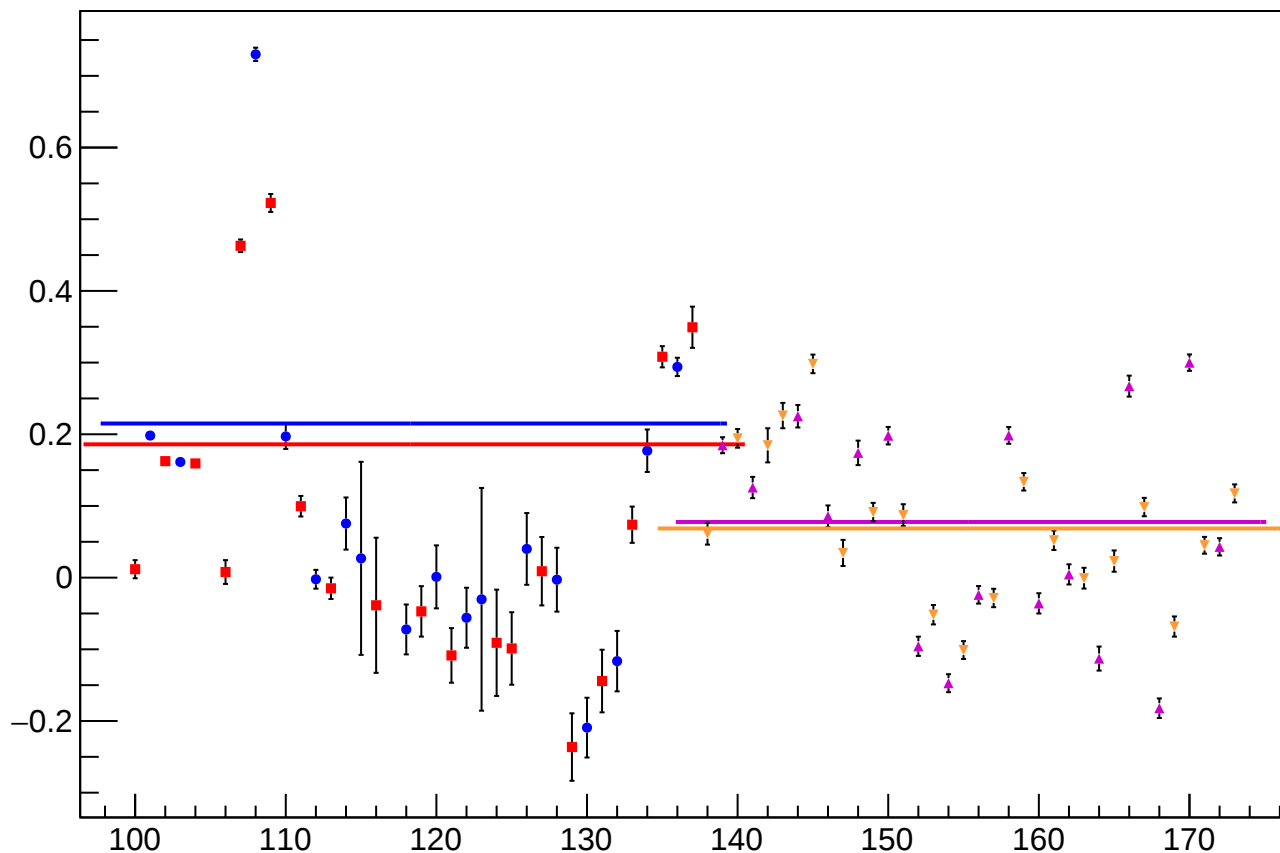
Right: 8.110 ± 0.047 $\chi^2/\text{NDF}: 246756.9/35$

In: 25.532 ± 0.048 $\chi^2/\text{NDF}: 320820.4/33$

Out: 30.087 ± 0.049 $\chi^2/\text{NDF}: 286700.1/37$

All: 27.767 ± 0.034 $\chi^2/\text{NDF}: 611900.6/71$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3930.1/16

Left Out: 0.069 ± 0.003 χ^2/NDF : 1022.1/18

Right Out: 0.186 ± 0.003 χ^2/NDF : 2720.3/18

Left In: 0.078 ± 0.003 χ^2/NDF : 2121.0/16

Left: 0.073 ± 0.002 χ^2/NDF : 3147.1/35

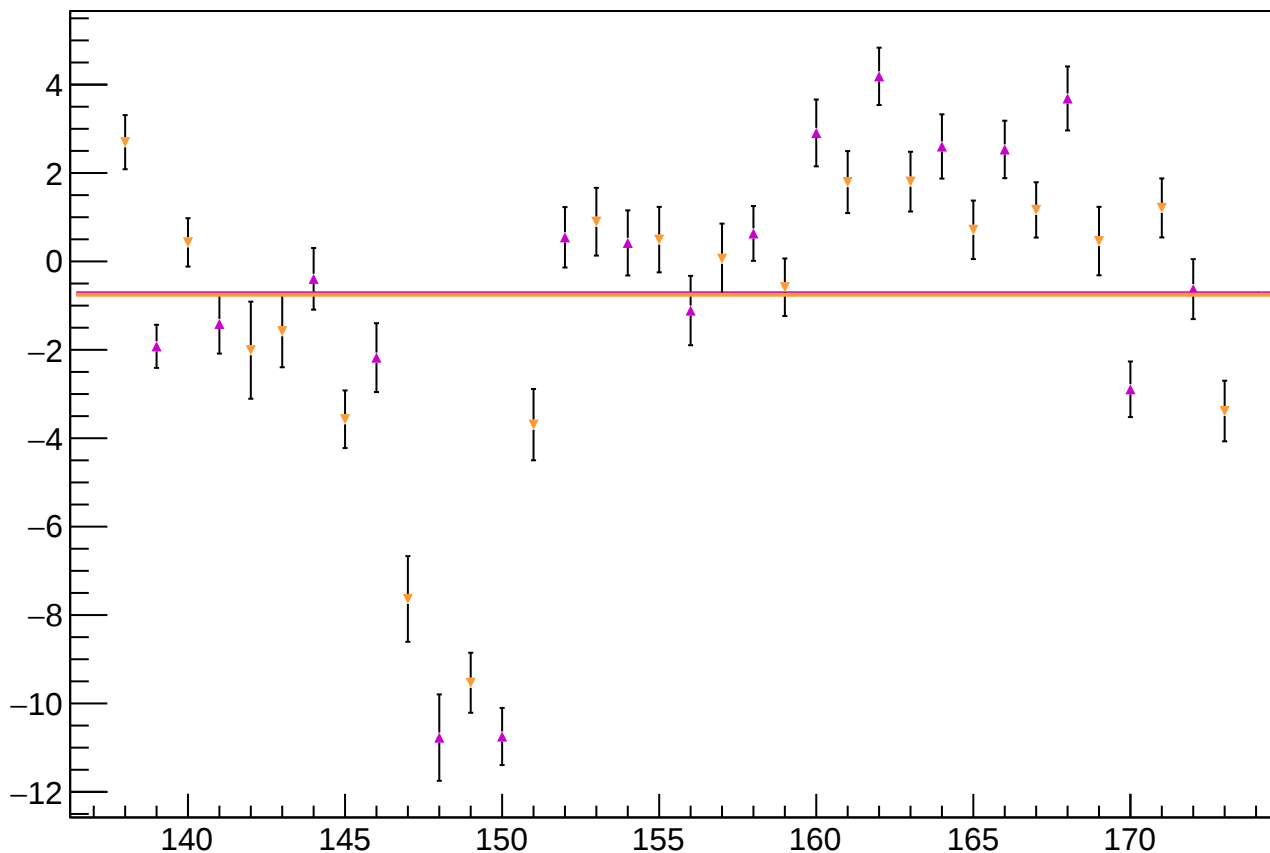
Right: 0.200 ± 0.002 χ^2/NDF : 6707.1/35

In: 0.157 ± 0.002 χ^2/NDF : 7089.6/33

Out: 0.137 ± 0.002 χ^2/NDF : 4536.4/37

All: 0.147 ± 0.001 χ^2/NDF : 11672.0/71

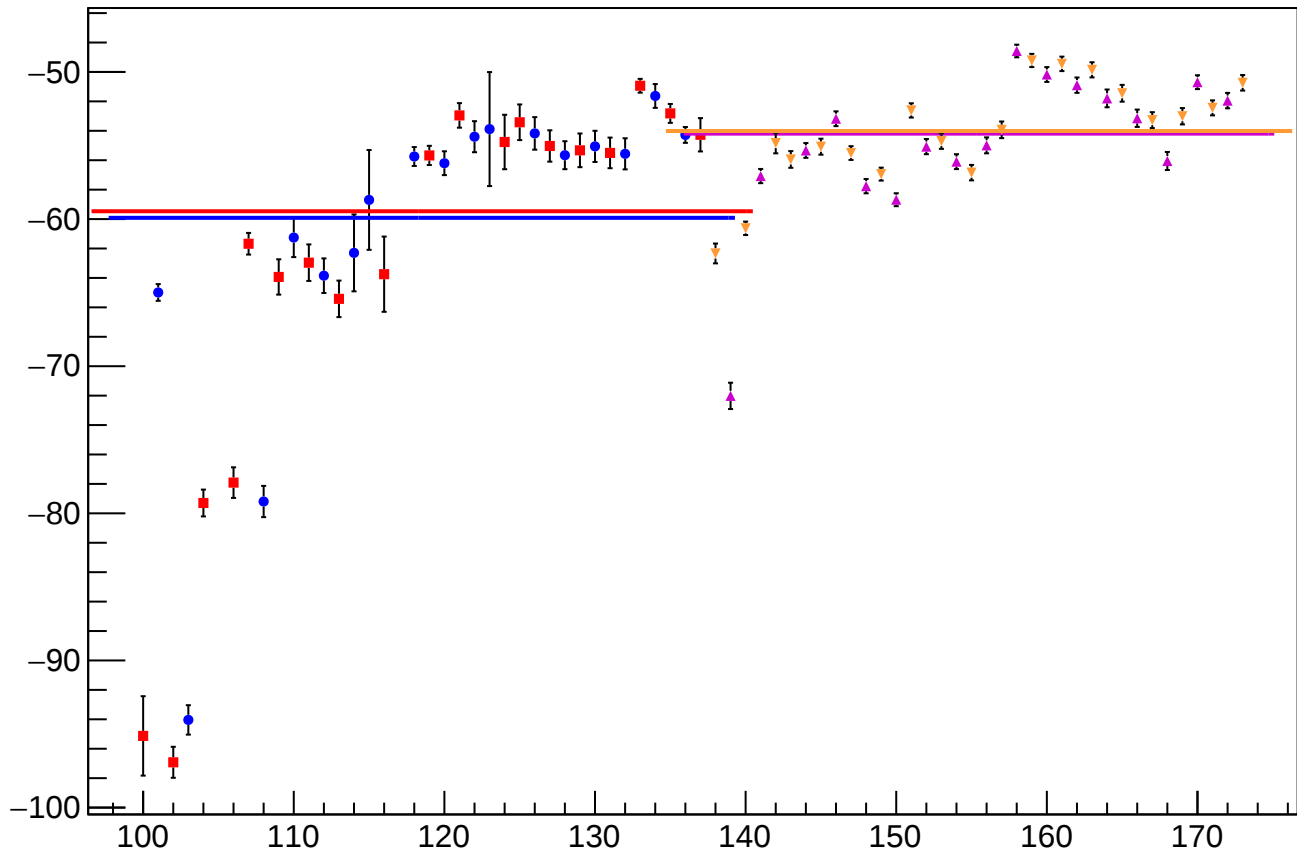
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.753+/-0.162 χ^2/NDF : 364.6/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.721+/-0.165 χ^2/NDF : 543.3/16

Left: -0.737+/-0.116 χ^2/NDF : 908.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.721+/-0.165 χ^2/NDF : 543.3/16
 Out: -0.753+/-0.162 χ^2/NDF : 364.6/18
 All: -0.737+/-0.116 χ^2/NDF : 908.0/35

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.914 $\pm$ 0.223 χ^2/NDF : 1979.5/16

Left Out: -54.015 $\pm$ 0.120 χ^2/NDF : 810.5/18

Right Out: -59.468 $\pm$ 0.212 χ^2/NDF : 2912.7/18

Left In: -54.191 $\pm$ 0.126 χ^2/NDF : 995.4/16

Left: -54.099 $\pm$ 0.087 χ^2/NDF : 1806.9/35

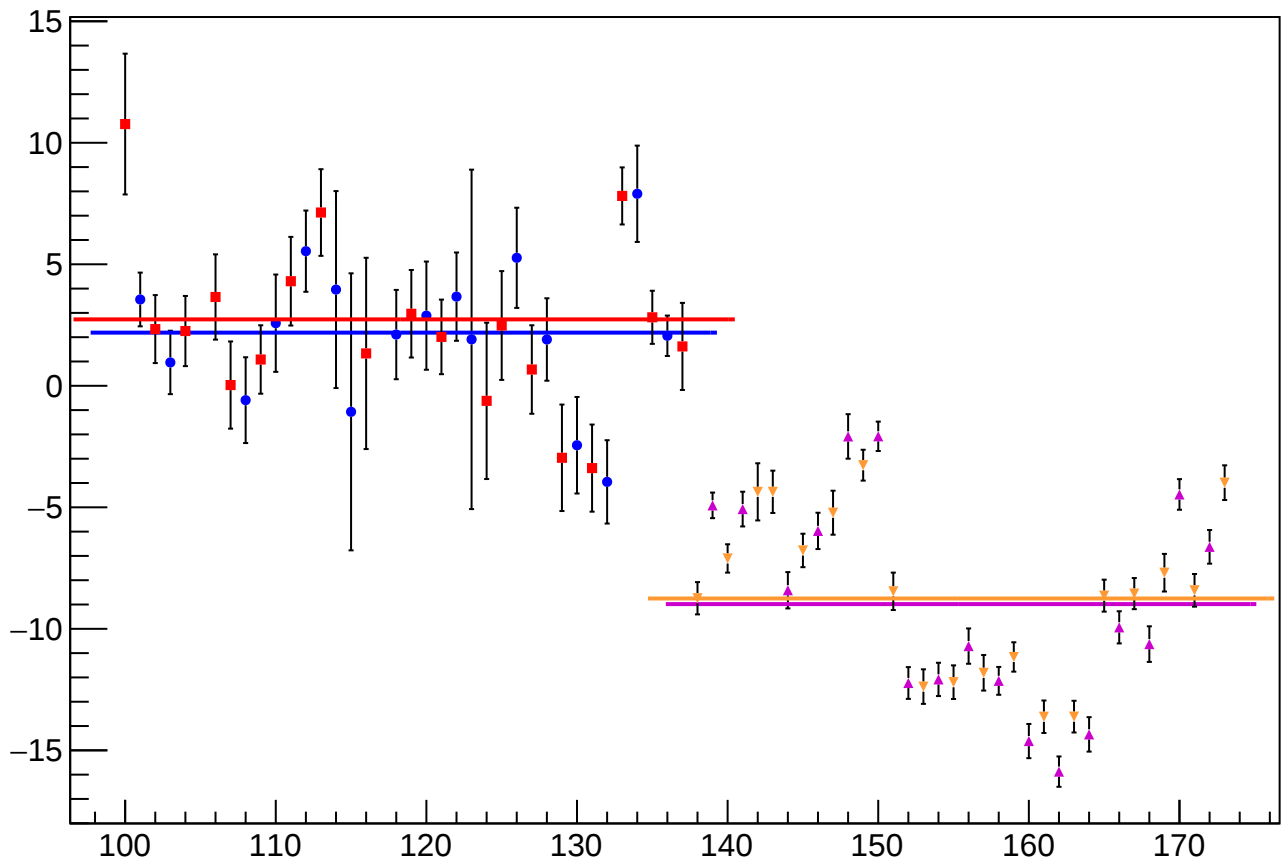
Right: -59.680 $\pm$ 0.154 χ^2/NDF : 4894.3/35

In: -55.570 $\pm$ 0.109 χ^2/NDF : 3474.9/33

Out: -55.332 $\pm$ 0.104 χ^2/NDF : 4224.6/37

All: -55.445 $\pm$ 0.075 χ^2/NDF : 7702.0/71

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.188 $\pm$ 0.404 χ^2 /NDF: 39.1/16

Left Out: -8.751 $\pm$ 0.161 χ^2 /NDF:385.1/18

Right Out: 2.733 $\pm$ 0.388 χ^2 /NDF: 58.9/18

Left In: -8.983 $\pm$ 0.163 χ^2 /NDF:687.9/16

Left: -8.866 $\pm$ 0.114 χ^2 /NDF: 1074.0/35

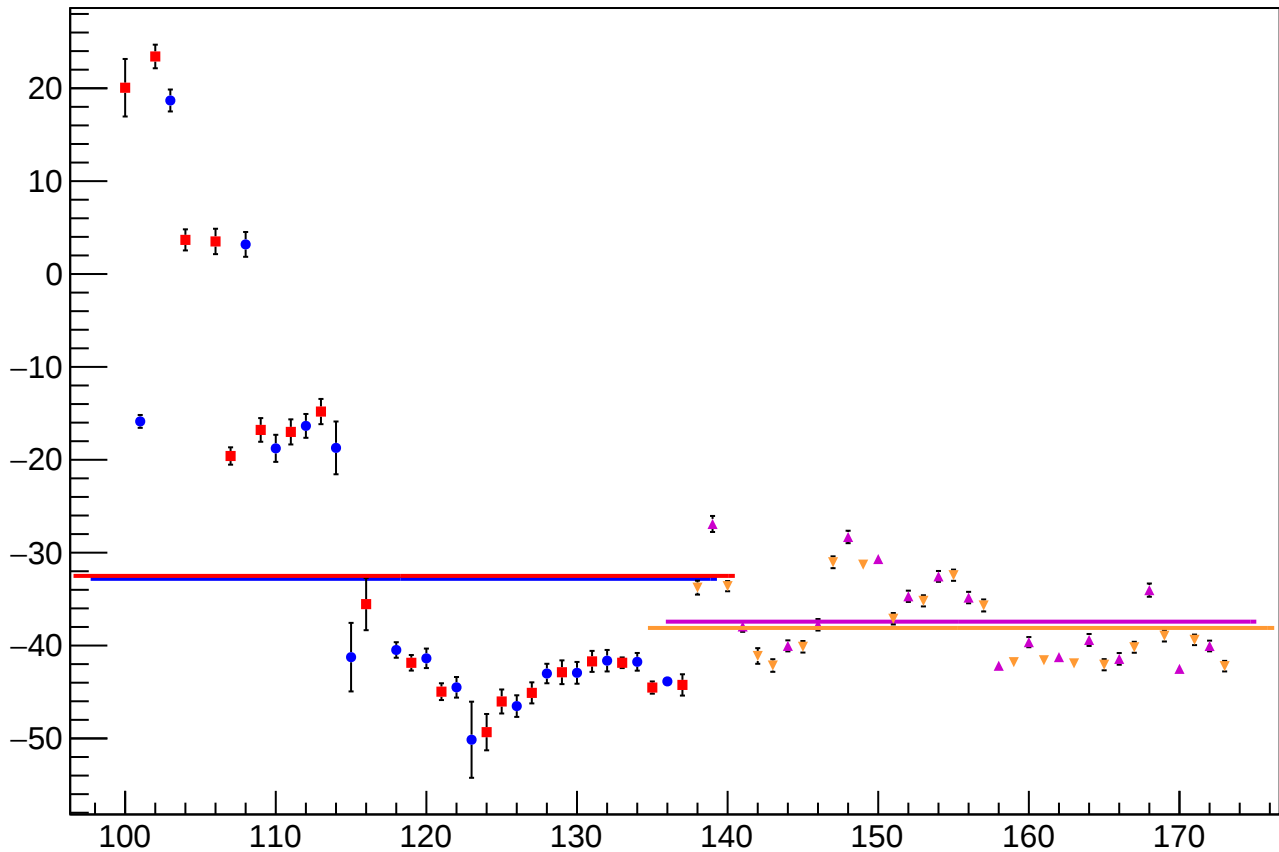
Right: 2.472 $\pm$ 0.280 χ^2 /NDF: 98.9/35

In: -7.426 $\pm$ 0.151 χ^2 /NDF:1384.6/33

Out: -7.063 $\pm$ 0.149 χ^2 /NDF:1192.7/37

All: -7.242 $\pm$ 0.106 χ^2 /NDF: 2580.2/71

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.817+/-0.254 χ^2/NDF : 4666.6/16

Left Out: -38.105+/-0.136 χ^2/NDF : 846.4/18

Right Out: -32.501+/-0.244 χ^2/NDF : 6037.9/18

Left In: -37.428+/-0.142 χ^2/NDF : 1005.9/16

Left: -37.780+/-0.098 χ^2/NDF : 1864.2/35

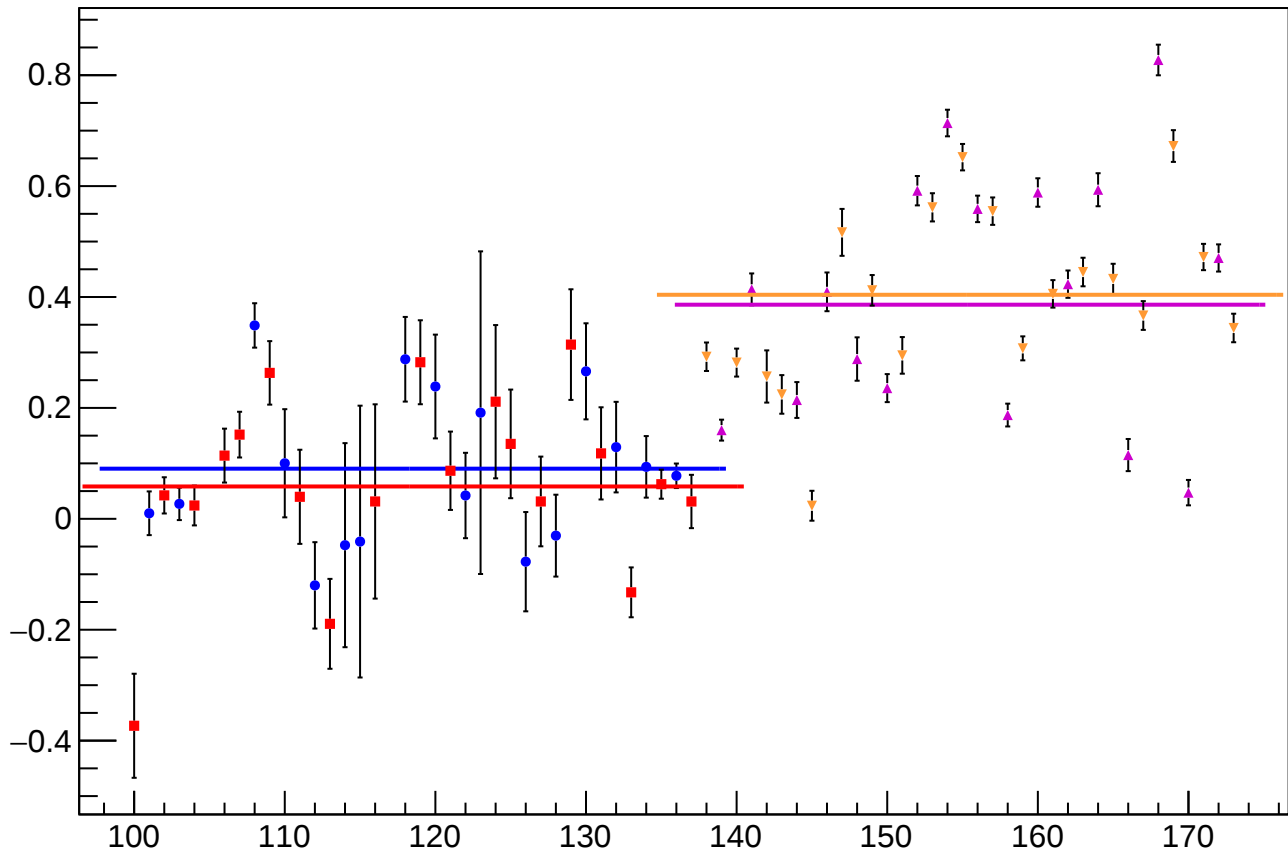
Right: -32.652+/-0.176 χ^2/NDF : 10705.2/35

In: -36.329+/-0.124 χ^2/NDF : 5923.6/33

Out: -36.771+/-0.119 χ^2/NDF : 7286.4/37

All: -36.559+/-0.086 χ^2/NDF : 13216.6/71

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 79.2/16

Left Out: 0.404 ± 0.006 χ^2/NDF : 607.1/18

Right Out: 0.058 ± 0.012 χ^2/NDF : 87.3/18

Left In: 0.386 ± 0.006 χ^2/NDF : 1294.0/16

Left: 0.395 ± 0.004 χ^2/NDF : 1905.3/35

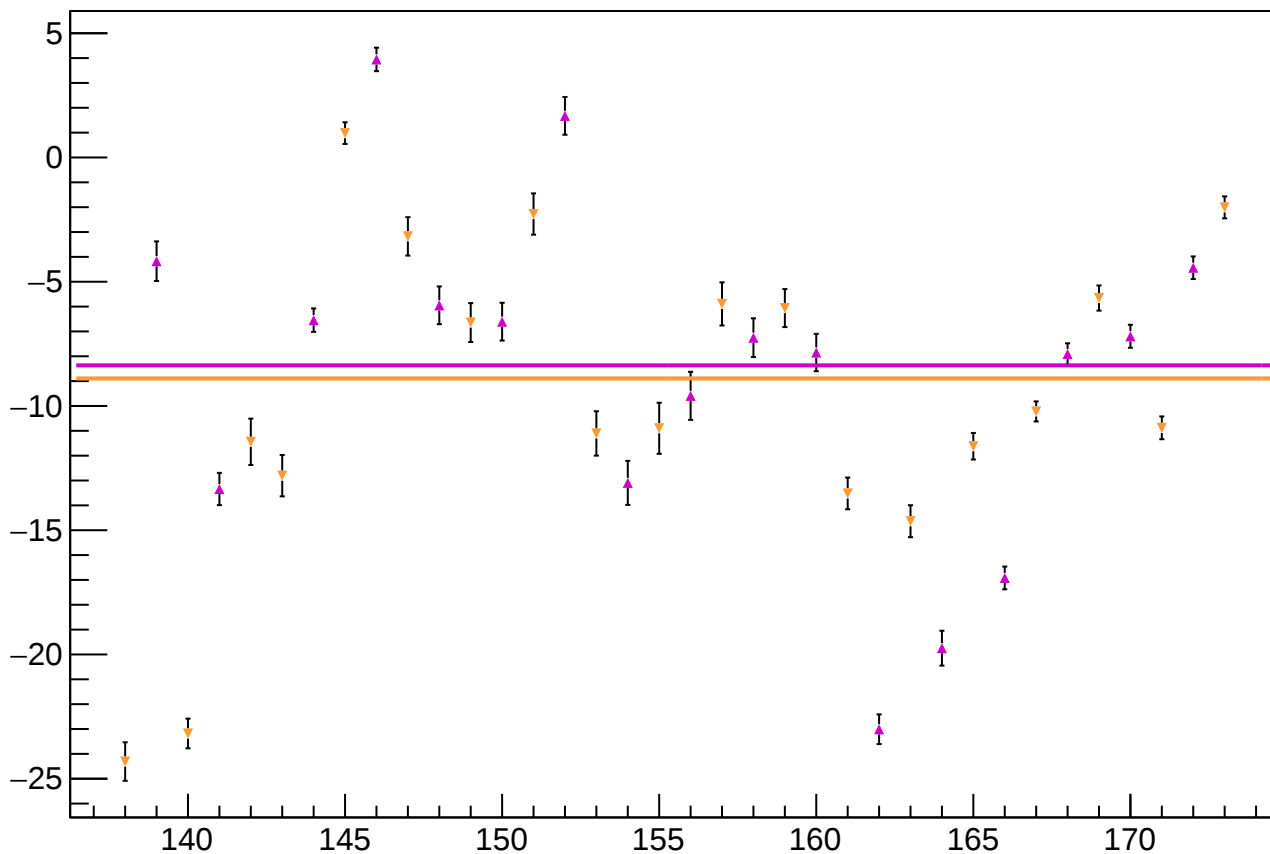
Right: 0.074 ± 0.009 χ^2/NDF : 169.9/35

In: 0.329 ± 0.006 χ^2/NDF : 1808.8/33

Out: 0.333 ± 0.006 χ^2/NDF : 1337.5/37

All: 0.331 ± 0.004 χ^2/NDF : 3146.6/71

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



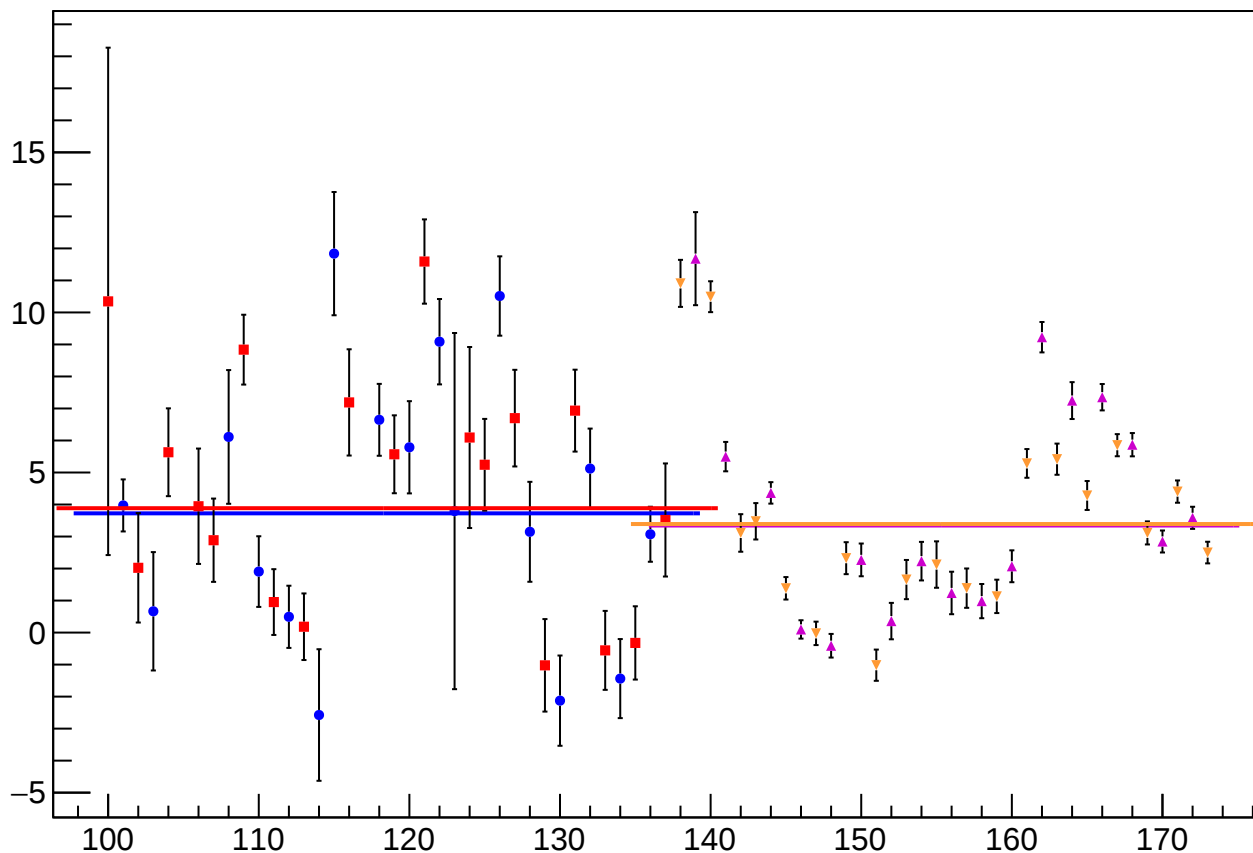
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -8.890 ± 0.141 $\chi^2/\text{NDF}: 2145.2/18$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -8.366 ± 0.144 $\chi^2/\text{NDF}: 2300.1/16$

Left: -8.634 ± 0.100 $\chi^2/\text{NDF}: 4452.1/35$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -8.366 ± 0.144 $\chi^2/\text{NDF}: 2300.1/16$
 Out: -8.890 ± 0.141 $\chi^2/\text{NDF}: 2145.2/18$

All: -8.634 ± 0.100 $\chi^2/\text{NDF}: 4452.1/35$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.725 ± 0.308 χ^2/NDF : 136.8/16

Left Out: 3.391 ± 0.103 χ^2/NDF : 674.1/18

Right Out: 3.885 ± 0.316 χ^2/NDF : 134.4/18

Left In: 3.344 ± 0.105 χ^2/NDF : 711.9/16

Left: 3.368 ± 0.074 χ^2/NDF : 1386.1/35

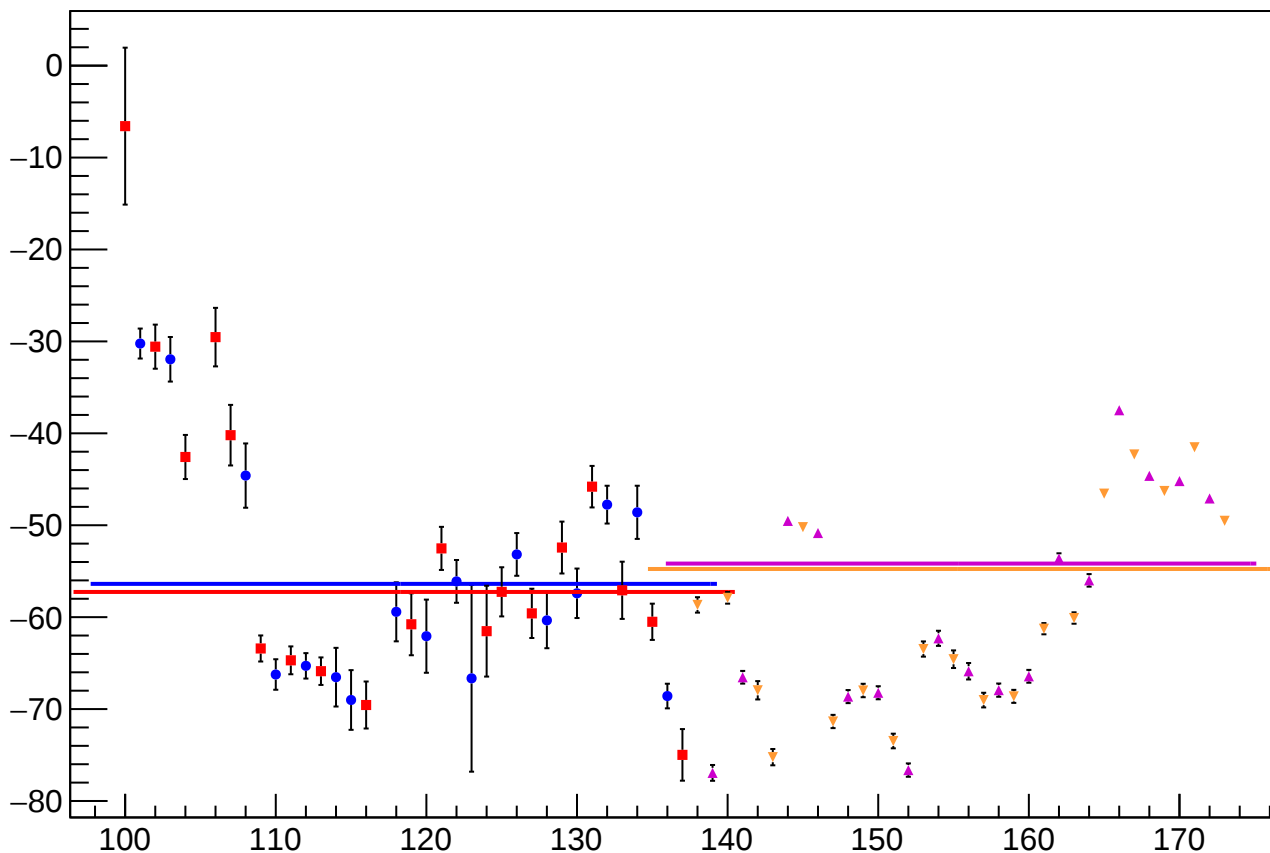
Right: 3.803 ± 0.221 χ^2/NDF : 271.3/35

In: 3.384 ± 0.099 χ^2/NDF : 850.1/33

Out: 3.438 ± 0.098 χ^2/NDF : 810.7/37

All: 3.411 ± 0.070 χ^2/NDF : 1660.9/71

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.379 $\pm$ 0.542 χ^2 /NDF: 587.4/16

Left Out: -54.759 $\pm$ 0.141 χ^2 /NDF: 5742.9/18

Right Out: -57.258 $\pm$ 0.536 χ^2 /NDF: 476.1/18

Left In: -54.170 $\pm$ 0.143 χ^2 /NDF: 6237.7/16

Left: -54.468 $\pm$ 0.100 χ^2 /NDF: 11989.3/35

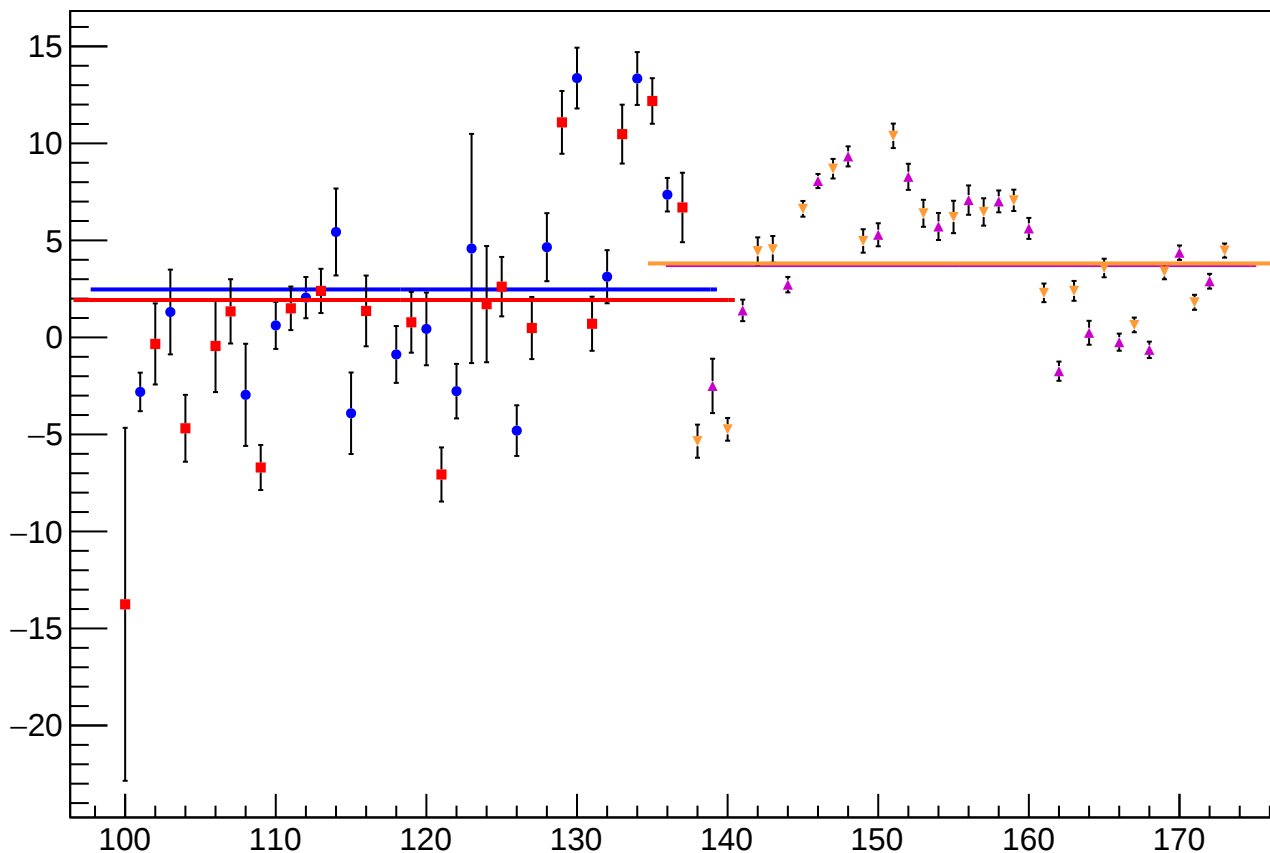
Right: -56.823 $\pm$ 0.381 χ^2 /NDF: 1064.8/35

In: -54.313 $\pm$ 0.138 χ^2 /NDF: 6840.6/33

Out: -54.921 $\pm$ 0.136 χ^2 /NDF: 6239.3/37

All: -54.621 $\pm$ 0.097 χ^2 /NDF: 13089.8/71

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.473 ± 0.345 χ^2/NDF : 243.6/16

Left Out: 3.811 ± 0.118 χ^2/NDF : 775.7/18

Right Out: 1.928 ± 0.355 χ^2/NDF : 266.6/18

Left In: 3.730 ± 0.121 χ^2/NDF : 778.8/16

Left: 3.772 ± 0.084 χ^2/NDF : 1554.8/35

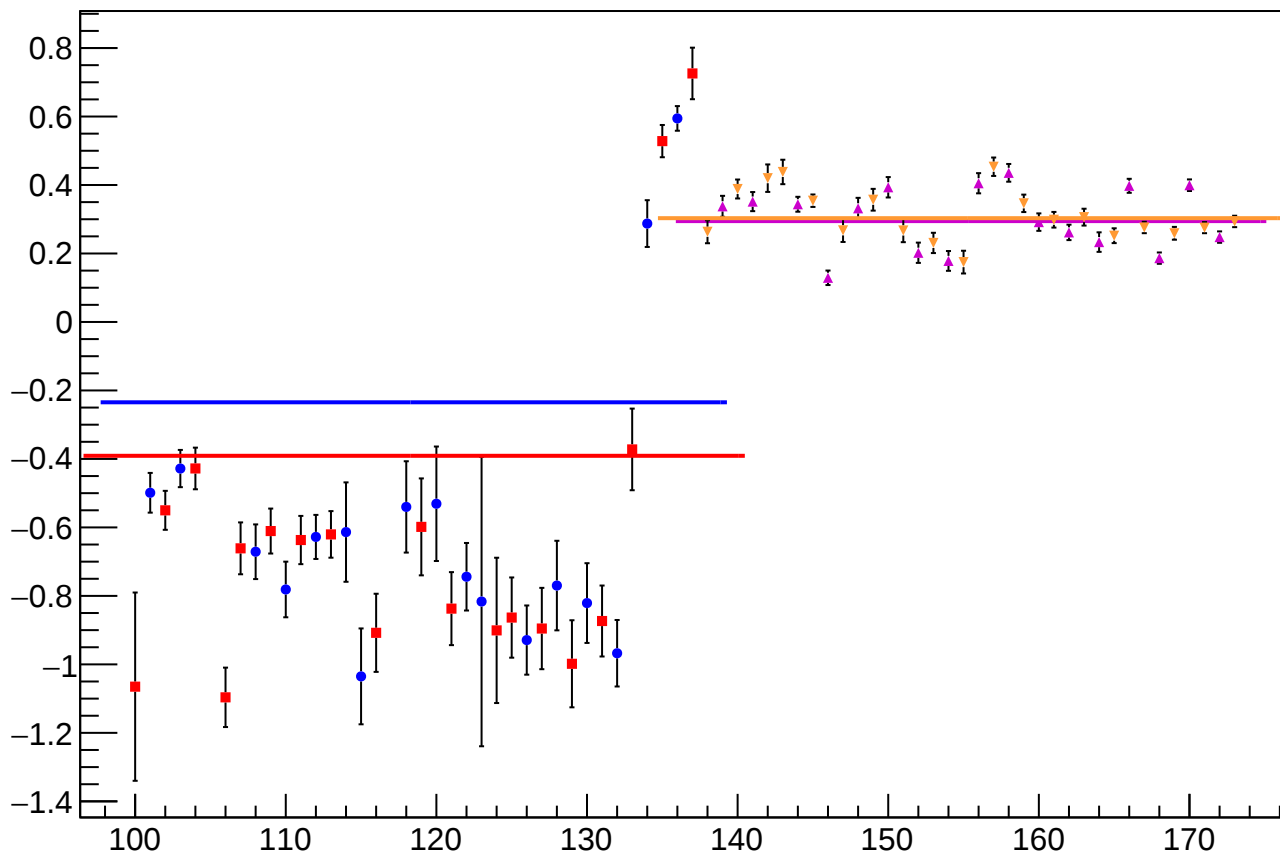
Right: 2.208 ± 0.248 χ^2/NDF : 511.4/35

In: 3.593 ± 0.114 χ^2/NDF : 1034.2/33

Out: 3.625 ± 0.112 χ^2/NDF : 1067.7/37

All: 3.609 ± 0.080 χ^2/NDF : 2102.0/71

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.235 ± 0.019 χ^2/NDF : 958.4/16

Left Out: 0.303 ± 0.005 χ^2/NDF : 118.6/18

Right Out: -0.391 ± 0.019 χ^2/NDF : 853.3/18

Left In: 0.295 ± 0.006 χ^2/NDF : 275.8/16

Left: 0.299 ± 0.004 χ^2/NDF : 395.7/35

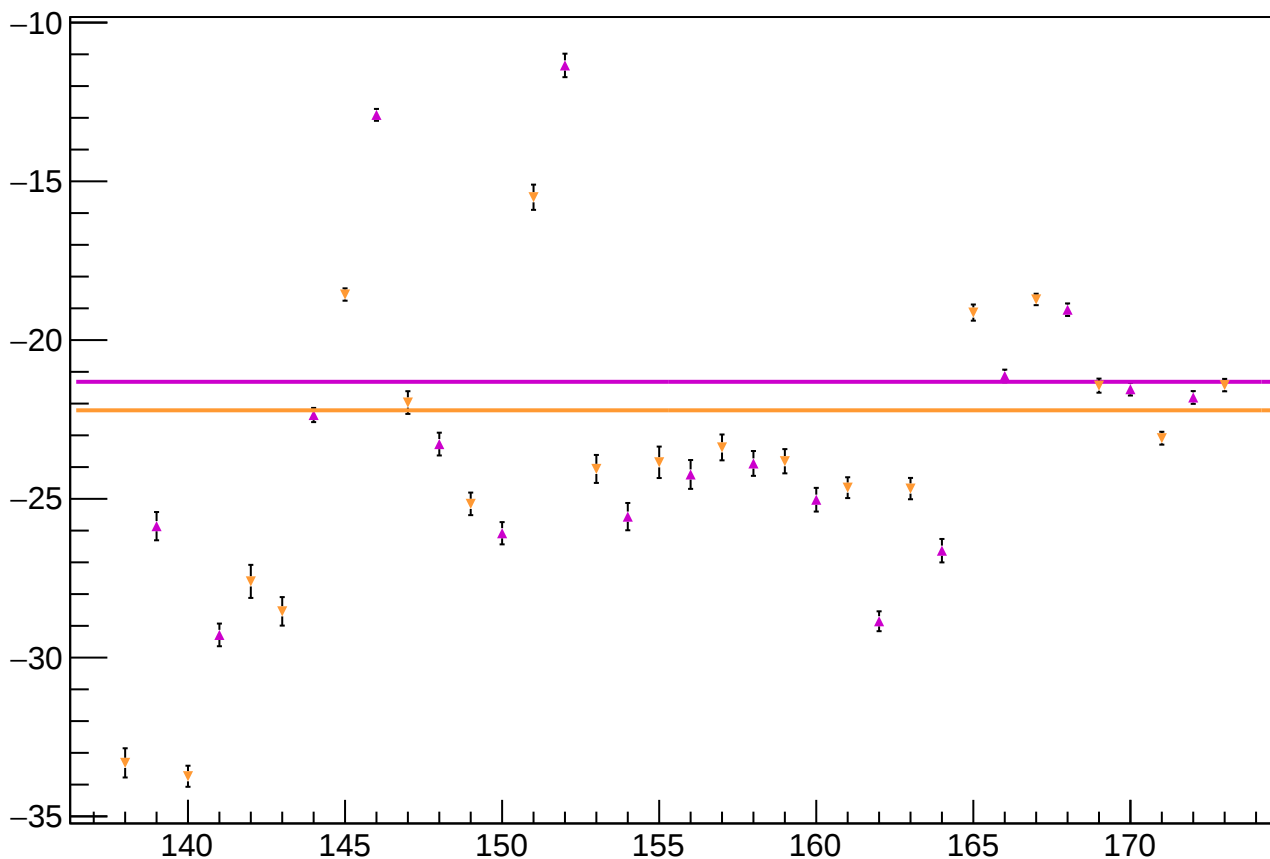
Right: -0.312 ± 0.013 χ^2/NDF : 1845.8/35

In: 0.252 ± 0.005 χ^2/NDF : 1956.7/33

Out: 0.250 ± 0.005 χ^2/NDF : 2210.3/37

All: 0.251 ± 0.004 χ^2/NDF : 4167.0/71

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



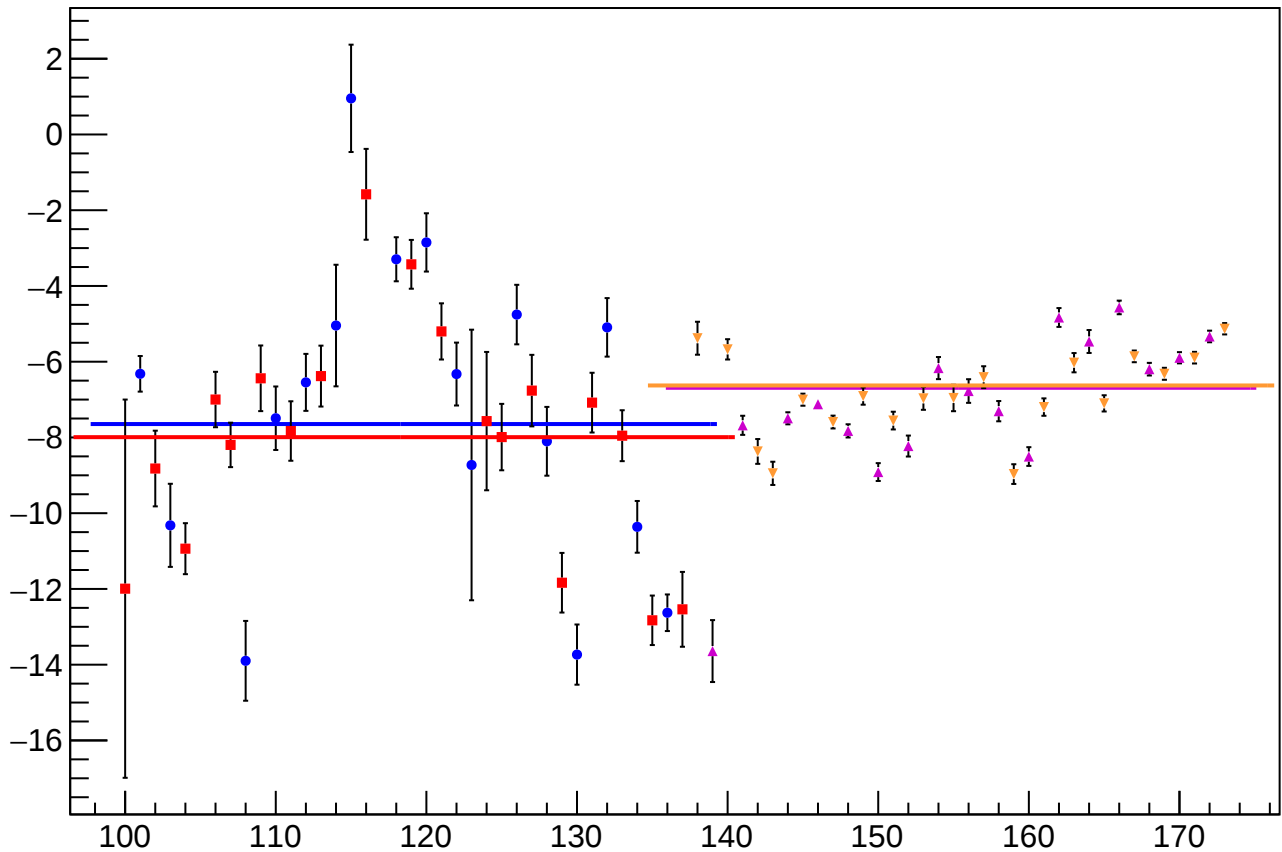
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -22.212 $\pm$ 0.066 χ^2/NDF :3529.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -21.314 $\pm$ 0.066 χ^2/NDF :4787.8/16

Left: -21.764 $\pm$ 0.047 χ^2/NDF : 8408.9/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -21.314 $\pm$ 0.066 χ^2/NDF :4787.8/16
 Out: -22.212 $\pm$ 0.066 χ^2/NDF :3529.5/18

All: -21.764 $\pm$ 0.047 χ^2/NDF : 8408.9/35

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.646 ± 0.186 χ^2/NDF : 393.6/16

Left Out: -6.627 ± 0.049 χ^2/NDF : 413.1/18

Right Out: -7.992 ± 0.186 χ^2/NDF : 225.5/18

Left In: -6.689 ± 0.048 χ^2/NDF : 678.6/16

Left: -6.658 ± 0.034 χ^2/NDF : 1092.4/35

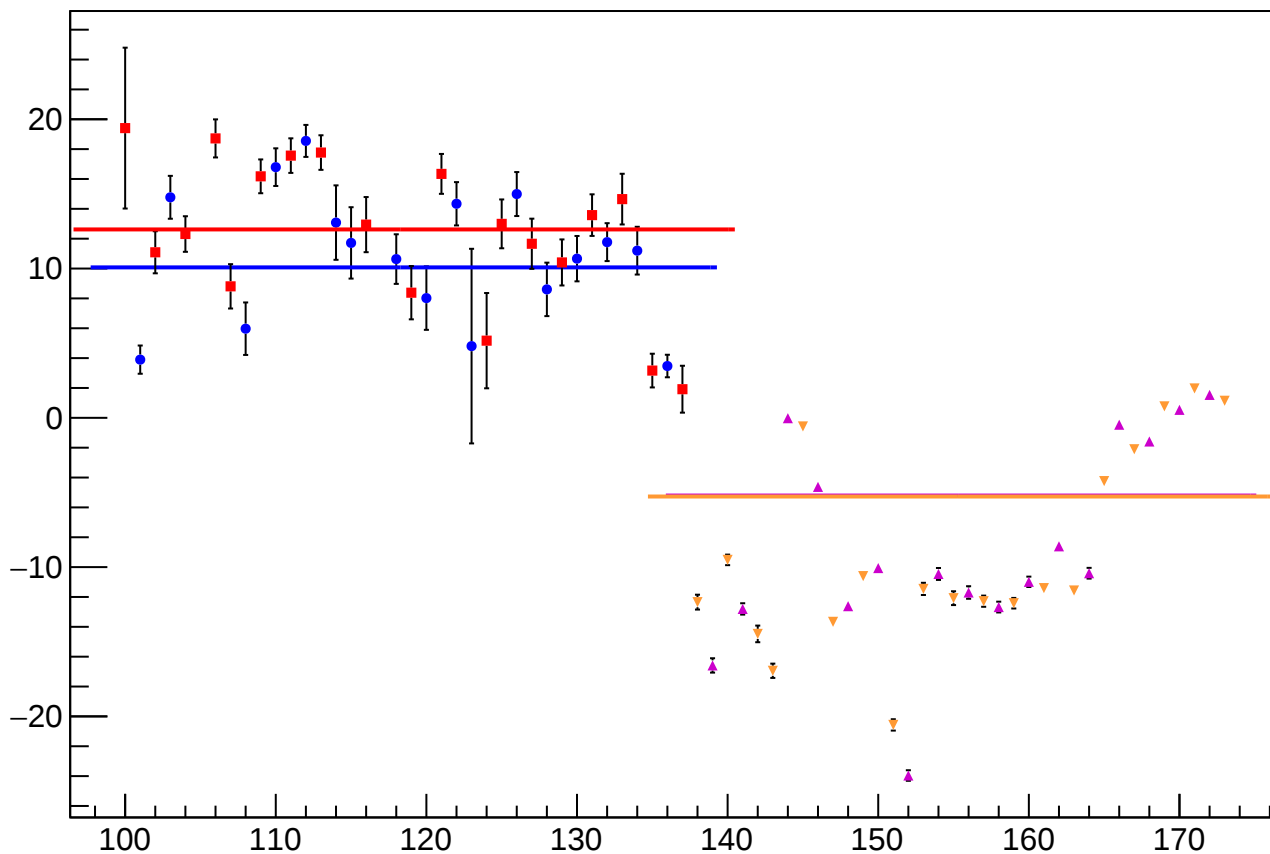
Right: -7.819 ± 0.131 χ^2/NDF : 620.8/35

In: -6.749 ± 0.047 χ^2/NDF : 1097.1/33

Out: -6.715 ± 0.047 χ^2/NDF : 689.0/37

All: -6.732 ± 0.033 χ^2/NDF : 1786.4/71

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.077 ± 0.337 $\chi^2/\text{NDF}: 252.8/16$

Left Out: -5.271 ± 0.066 $\chi^2/\text{NDF}: 9498.4/18$

Right Out: 12.620 ± 0.332 $\chi^2/\text{NDF}: 220.0/18$

Left In: -5.206 ± 0.066 $\chi^2/\text{NDF}: 9169.0/16$

Left: -5.238 ± 0.047 $\chi^2/\text{NDF}: 18667.9/35$

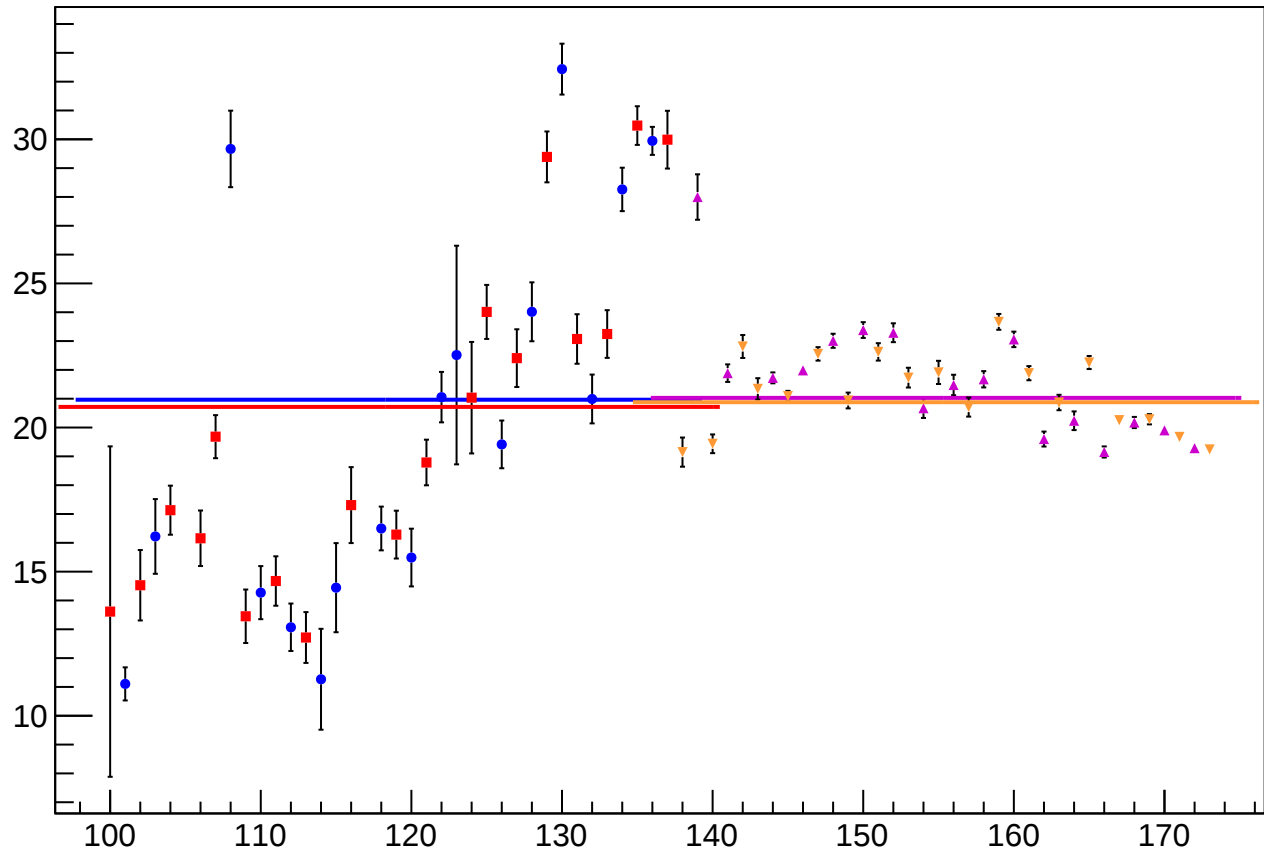
Right: 11.365 ± 0.237 $\chi^2/\text{NDF}: 501.6/35$

In: -4.641 ± 0.065 $\chi^2/\text{NDF}: 11405.1/33$

Out: -4.584 ± 0.065 $\chi^2/\text{NDF}: 12503.5/37$

All: -4.613 ± 0.046 $\chi^2/\text{NDF}: 23909.0/71$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.965 $\pm$ 0.209 χ^2 /NDF: 1225.5/16

Left Out: 20.879 $\pm$ 0.055 χ^2 /NDF: 489.5/18

Right Out: 20.716 $\pm$ 0.213 χ^2 /NDF: 729.9/18

Left In: 21.029 $\pm$ 0.056 χ^2 /NDF: 700.1/16

Left: 20.953 $\pm$ 0.039 χ^2 /NDF: 1193.3/35

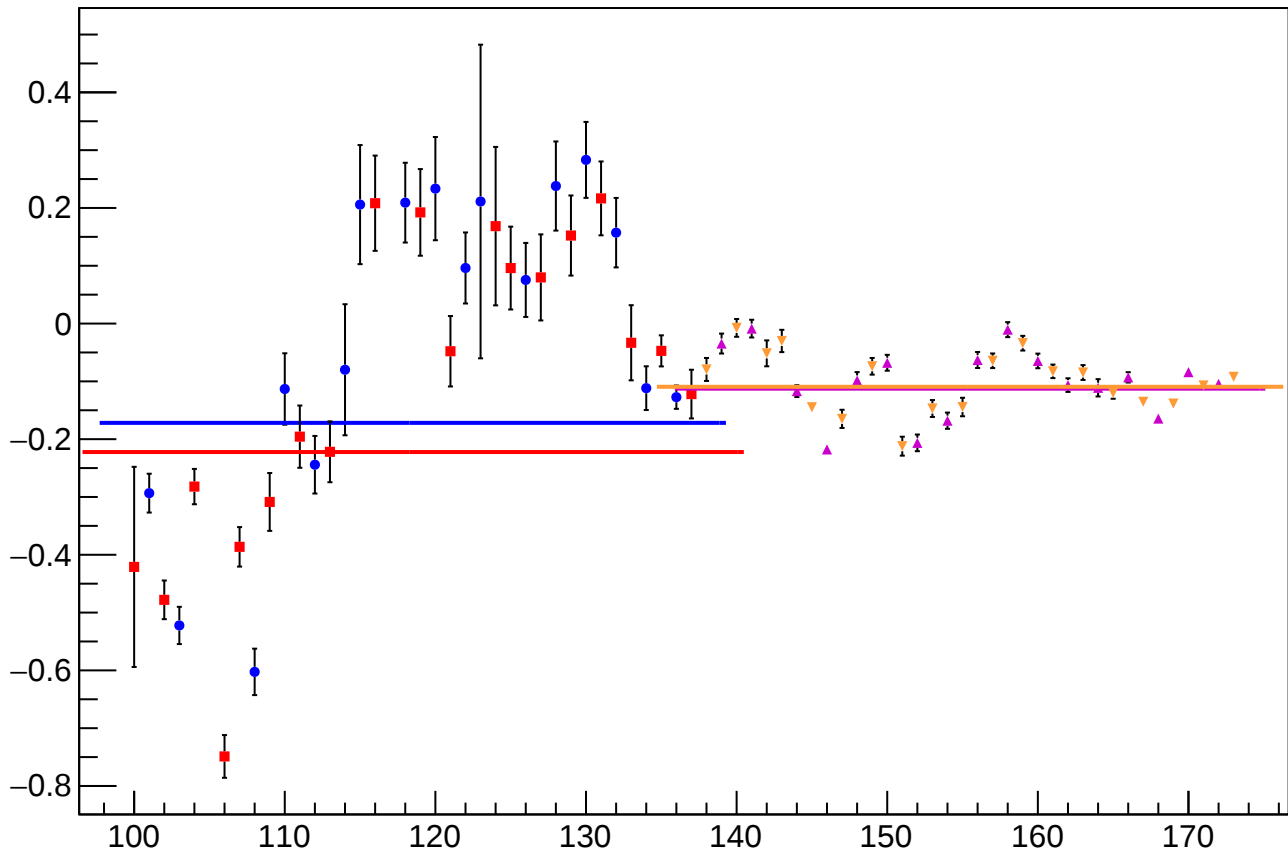
Right: 20.842 $\pm$ 0.149 χ^2 /NDF: 1956.1/35

In: 21.025 $\pm$ 0.054 χ^2 /NDF: 1925.7/33

Out: 20.868 $\pm$ 0.054 χ^2 /NDF: 1220.0/37

All: 20.946 $\pm$ 0.038 χ^2 /NDF: 3149.8/71

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.172 ± 0.011 χ^2/NDF : 464.2/16

Left Out: -0.109 ± 0.003 χ^2/NDF : 246.0/18

Right Out: -0.222 ± 0.011 χ^2/NDF : 536.1/18

Left In: -0.113 ± 0.003 χ^2/NDF : 448.7/16

Left: -0.111 ± 0.002 χ^2/NDF : 695.5/35

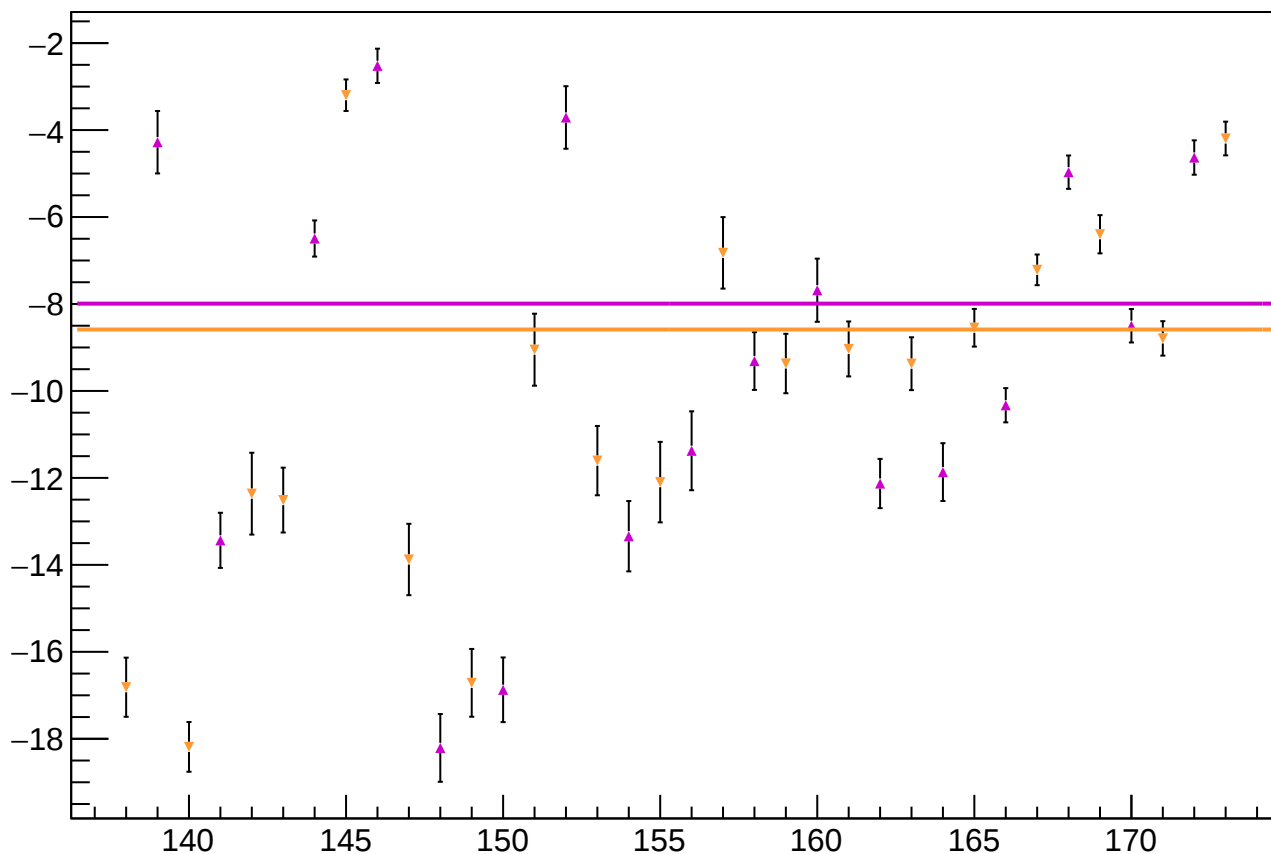
Right: -0.198 ± 0.008 χ^2/NDF : 1010.7/35

In: -0.116 ± 0.003 χ^2/NDF : 939.4/33

Out: -0.115 ± 0.002 χ^2/NDF : 883.1/37

All: -0.115 ± 0.002 χ^2/NDF : 1822.5/71

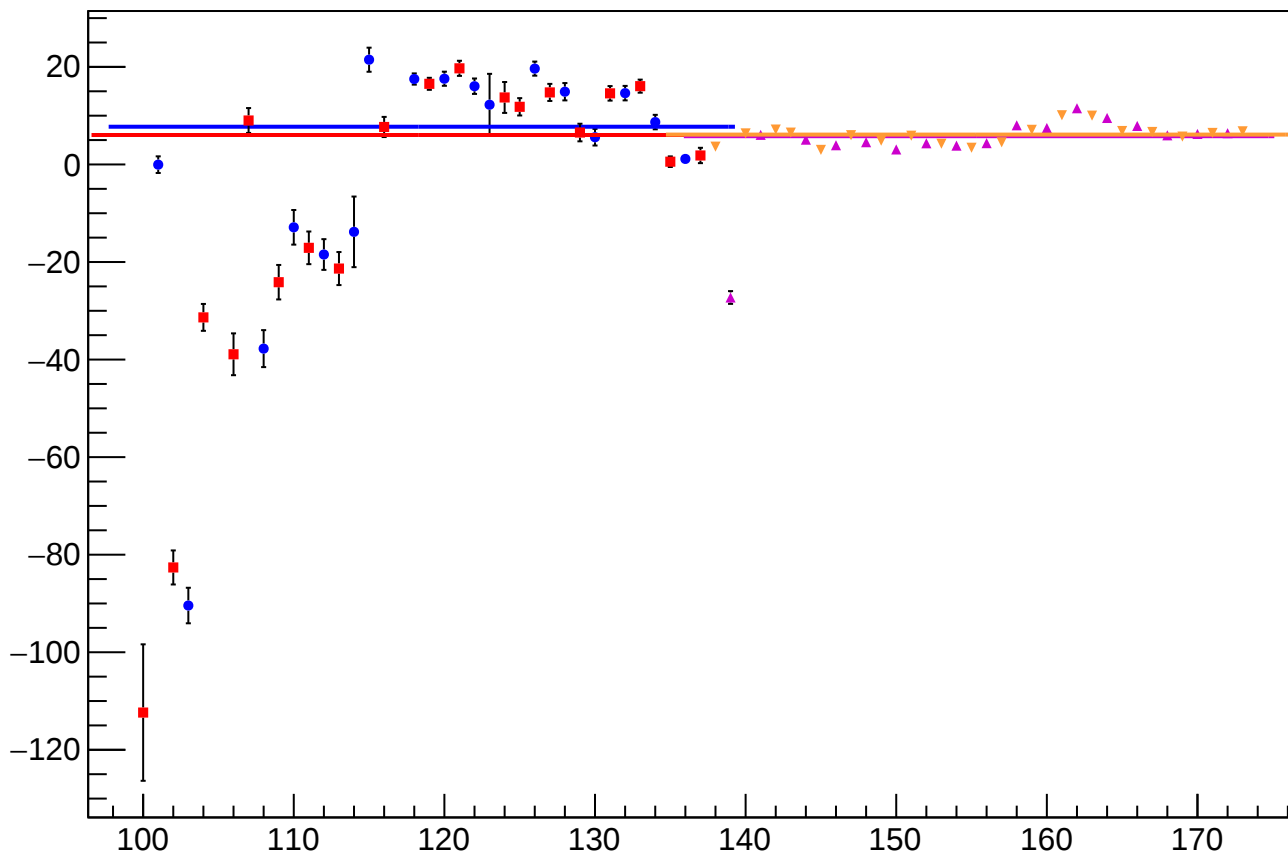
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.587 $\pm$ 0.126 χ^2 /NDF:1048.3/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.992 $\pm$ 0.128 χ^2 /NDF:976.1/16

Left: -8.296 $\pm$ 0.090 χ^2 /NDF: 2035.4/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -7.992 $\pm$ 0.128 χ^2 /NDF:976.1/16
 Out: -8.587 $\pm$ 0.126 χ^2 /NDF:1048.3/18
 All: -8.296 $\pm$ 0.090 χ^2 /NDF: 2035.4/35

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 ± 0.403 $\chi^2/\text{NDF}: 1358.4/16$

Left Out: 6.122 ± 0.093 $\chi^2/\text{NDF}: 351.0/18$

Right Out: 6.040 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

Left In: 5.793 ± 0.095 $\chi^2/\text{NDF}: 1052.2/16$

Left: 5.960 ± 0.066 $\chi^2/\text{NDF}: 1409.3/35$

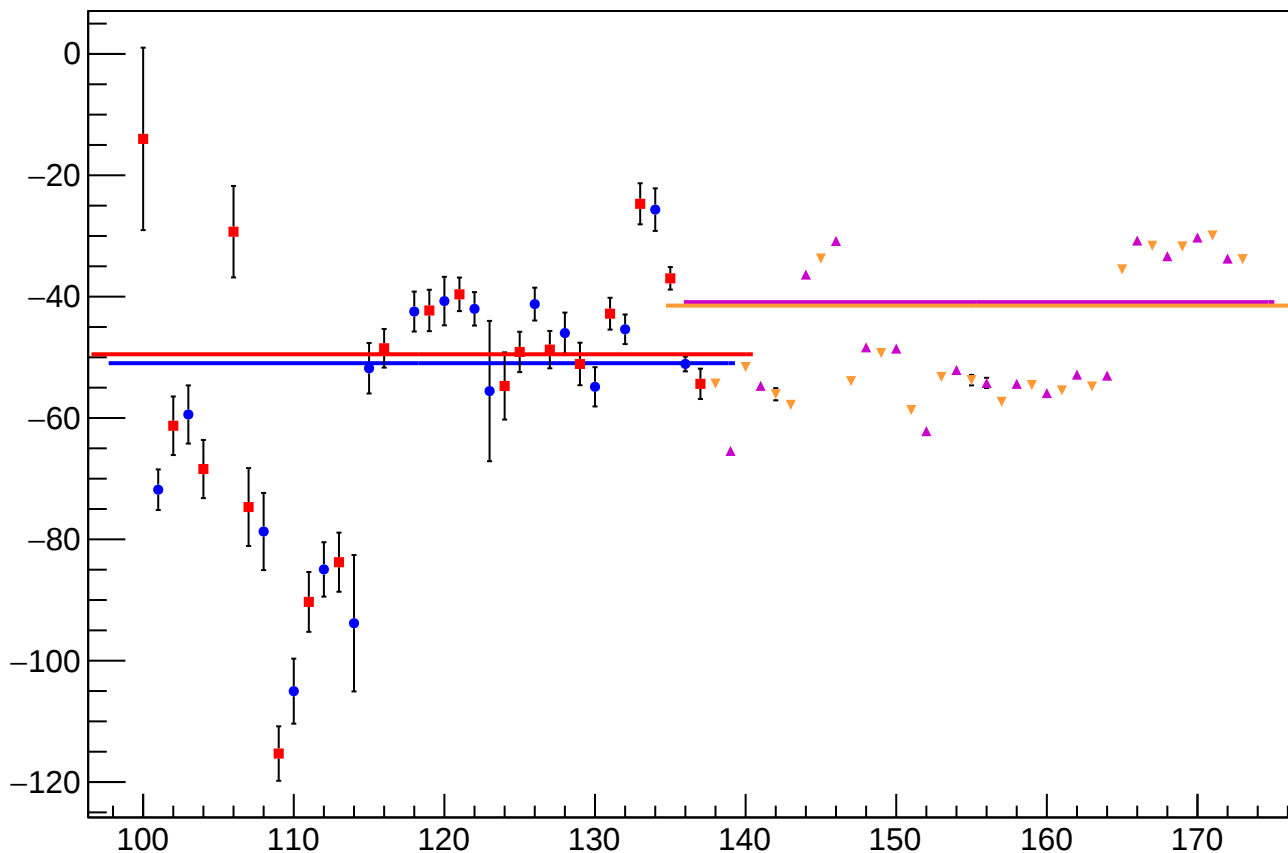
Right: 6.952 ± 0.295 $\chi^2/\text{NDF}: 2878.8/35$

In: 5.895 ± 0.092 $\chi^2/\text{NDF}: 2432.7/33$

Out: 6.118 ± 0.091 $\chi^2/\text{NDF}: 1863.2/37$

All: 6.008 ± 0.065 $\chi^2/\text{NDF}: 4298.8/71$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -50.966 ± 0.738 χ^2/NDF : 332.7/16

Left Out: -41.478 ± 0.126 χ^2/NDF : 7469.0/18

Right Out: -49.497 ± 0.797 χ^2/NDF : 510.4/18

Left In: -40.904 ± 0.128 χ^2/NDF : 7786.0/16

Left: -41.194 ± 0.090 χ^2/NDF : 15265.2/35

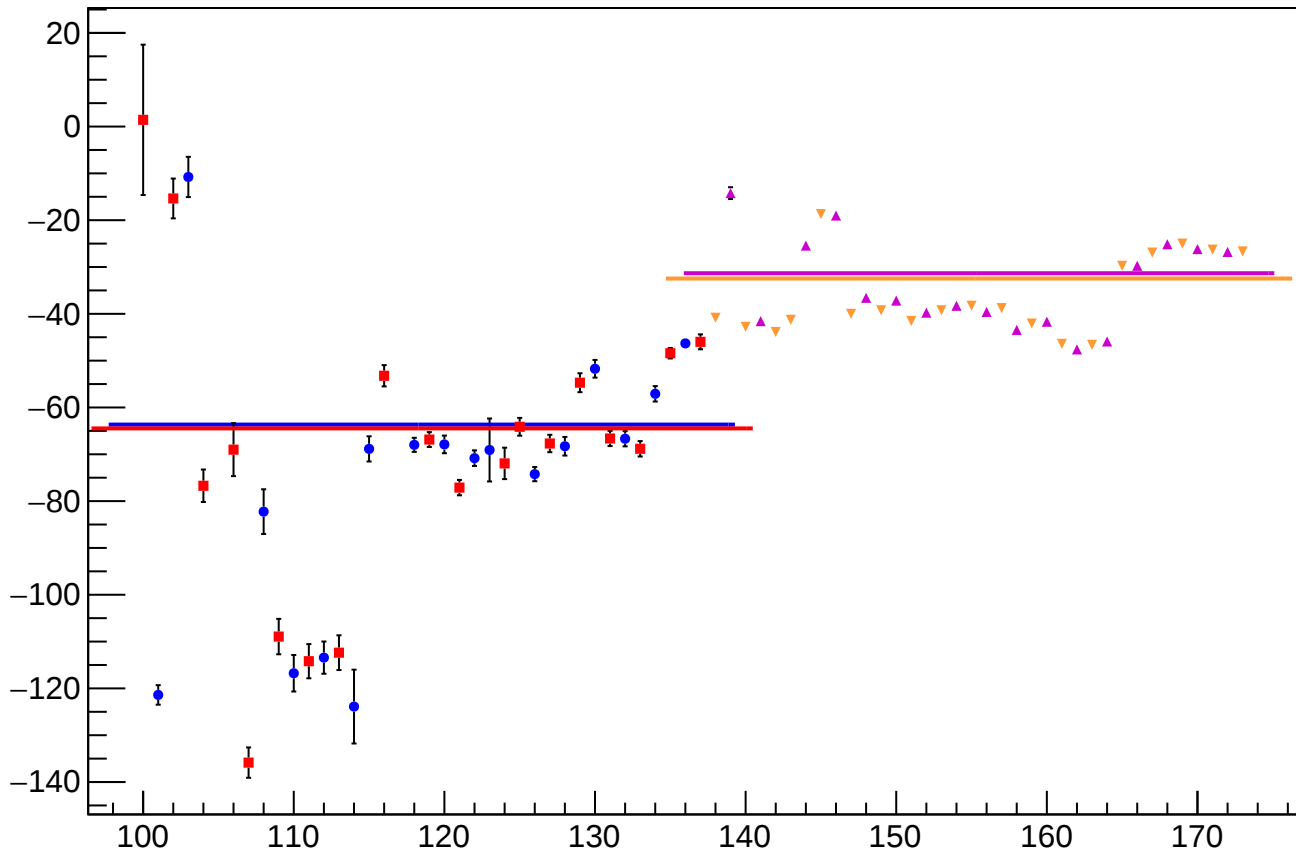
Right: -50.288 ± 0.541 χ^2/NDF : 844.9/35

In: -41.196 ± 0.126 χ^2/NDF : 8299.3/33

Out: -41.674 ± 0.125 χ^2/NDF : 8078.1/37

All: -41.437 ± 0.089 χ^2/NDF : 16384.7/71

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.656 ± 0.445 χ^2/NDF : 2014.7/16

Left Out: -32.461 ± 0.106 χ^2/NDF : 6978.3/18

Right Out: -64.470 ± 0.483 χ^2/NDF : 1606.8/18

Left In: -31.325 ± 0.109 χ^2/NDF : 6581.9/16

Left: -31.909 ± 0.076 χ^2/NDF : 13616.4/35

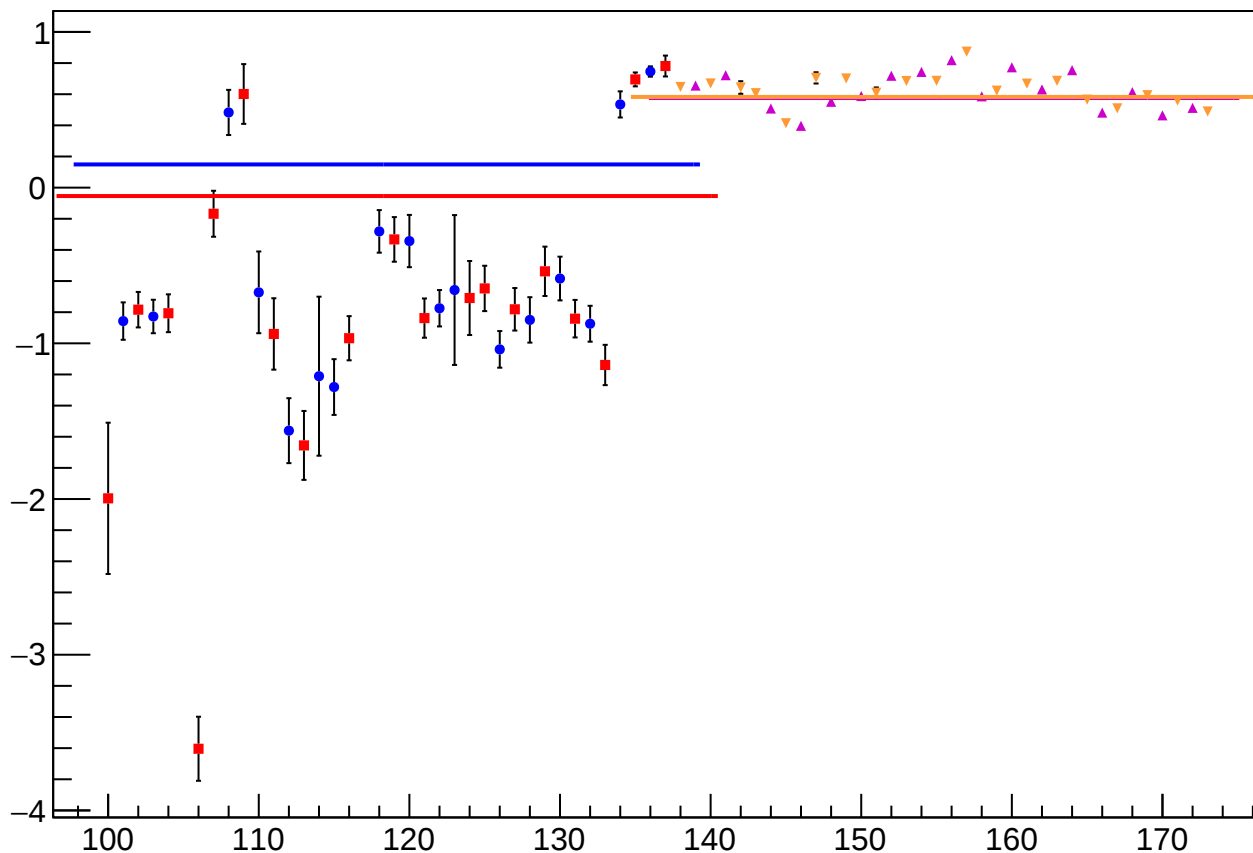
Right: -64.030 ± 0.327 χ^2/NDF : 3623.1/35

In: -33.144 ± 0.106 χ^2/NDF : 13570.1/33

Out: -33.927 ± 0.103 χ^2/NDF : 12784.4/37

All: -33.545 ± 0.074 χ^2/NDF : 26382.6/71

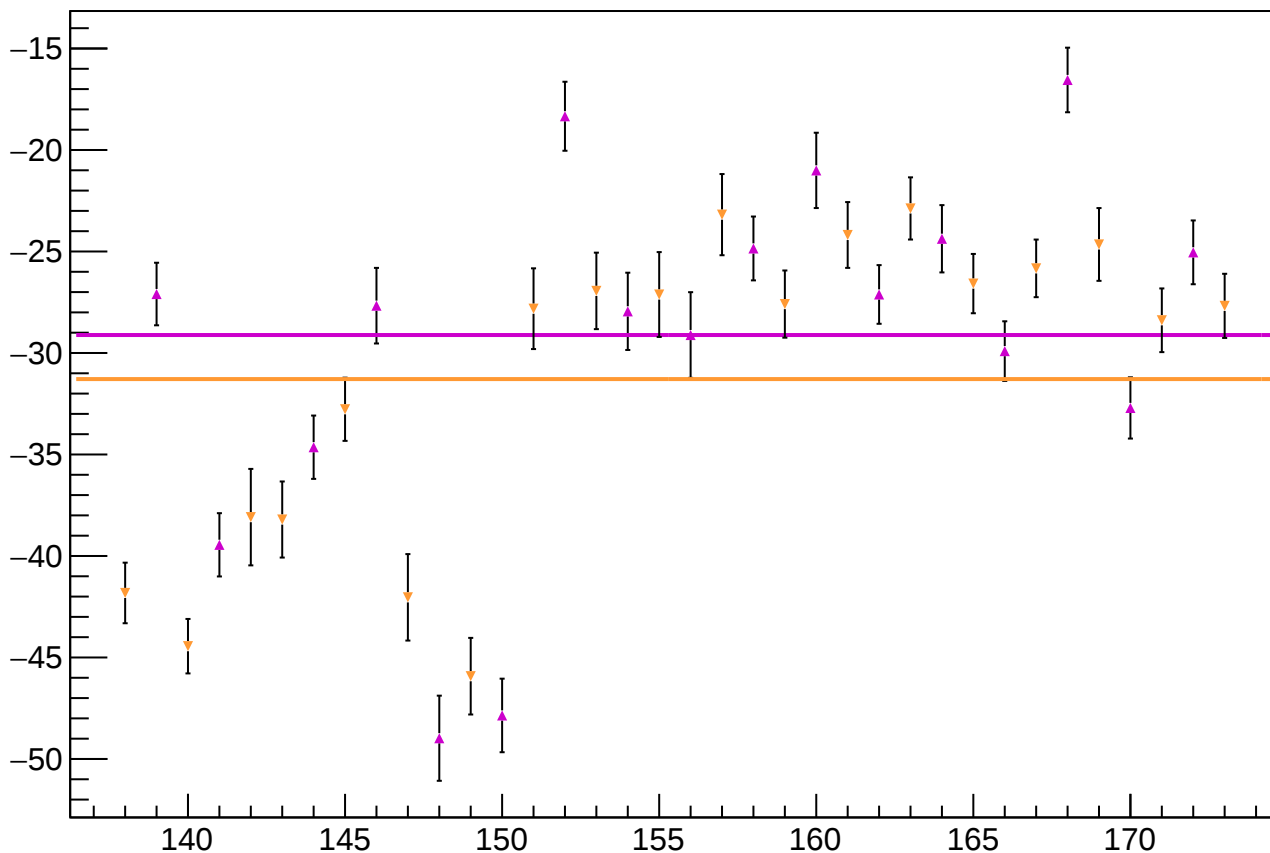
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.149 ± 0.024 $\chi^2/\text{NDF}: 989.9/16$
 Left Out: 0.583 ± 0.005 $\chi^2/\text{NDF}: 432.2/18$
 Right Out: -0.054 ± 0.026 $\chi^2/\text{NDF}: 1167.9/18$
 Left In: 0.575 ± 0.005 $\chi^2/\text{NDF}: 525.1/16$

Left: 0.579 ± 0.003 $\chi^2/\text{NDF}: 958.4/35$
 Right: 0.056 ± 0.018 $\chi^2/\text{NDF}: 2190.5/35$
 In: 0.558 ± 0.005 $\chi^2/\text{NDF}: 1818.3/33$
 Out: 0.561 ± 0.005 $\chi^2/\text{NDF}: 2170.8/37$
 All: 0.560 ± 0.003 $\chi^2/\text{NDF}: 3989.4/71$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.285 ± 0.388 $\chi^2/\text{NDF}: 384.9/18$

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

Left In: -29.115 ± 0.403 $\chi^2/\text{NDF}: 407.7/16$

Left: -30.242 ± 0.280 $\chi^2/\text{NDF}: 807.7/35$

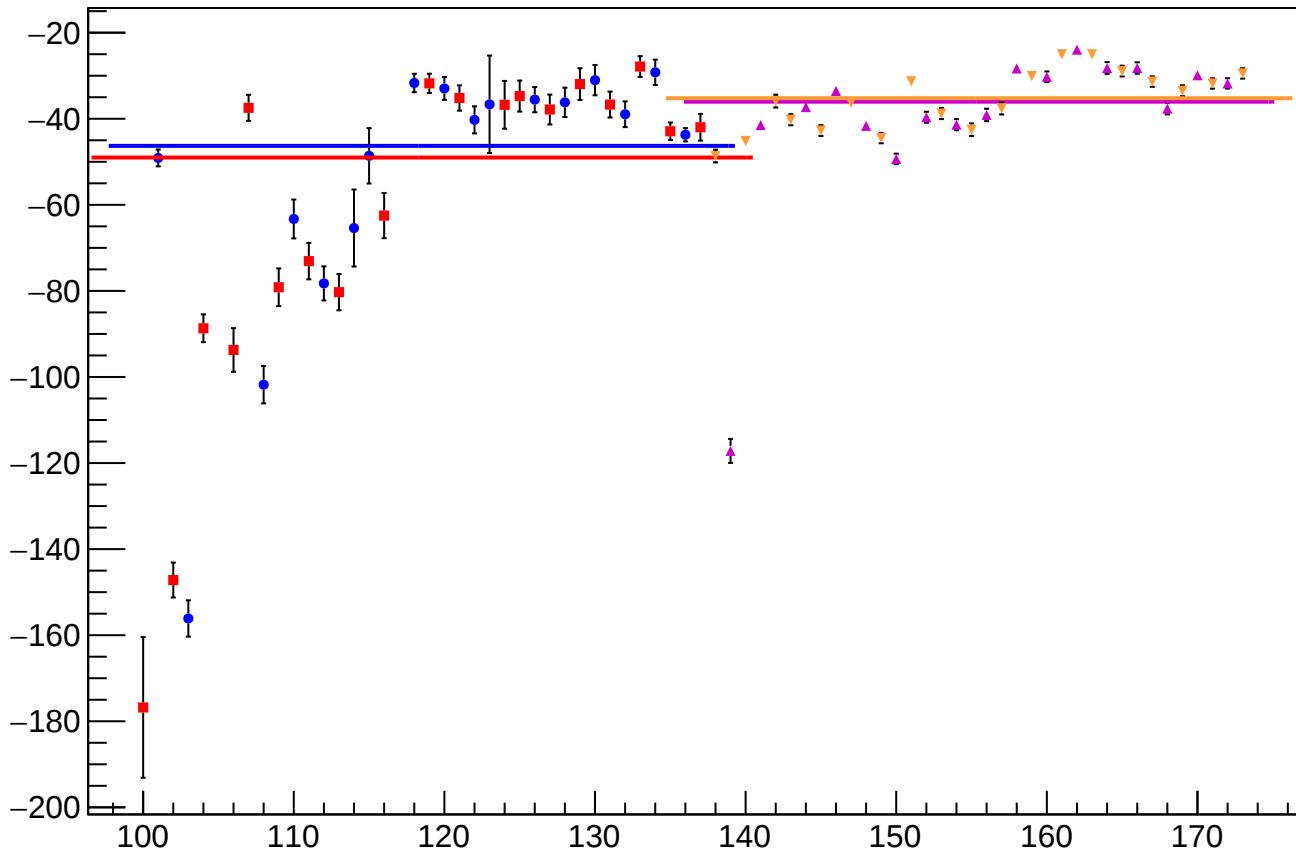
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -29.115 ± 0.403 $\chi^2/\text{NDF}: 407.7/16$

Out: -31.285 ± 0.388 $\chi^2/\text{NDF}: 384.9/18$

All: -30.242 ± 0.280 $\chi^2/\text{NDF}: 807.7/35$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.300 ± 0.723 $\chi^2/\text{NDF}: 1084.0/16$

Left Out: -35.229 ± 0.283 $\chi^2/\text{NDF}: 566.4/18$

Right Out: -49.008 ± 0.764 $\chi^2/\text{NDF}: 1271.7/18$

Left In: -36.033 ± 0.299 $\chi^2/\text{NDF}: 1345.8/16$

Left: -35.609 ± 0.205 $\chi^2/\text{NDF}: 1916.0/35$

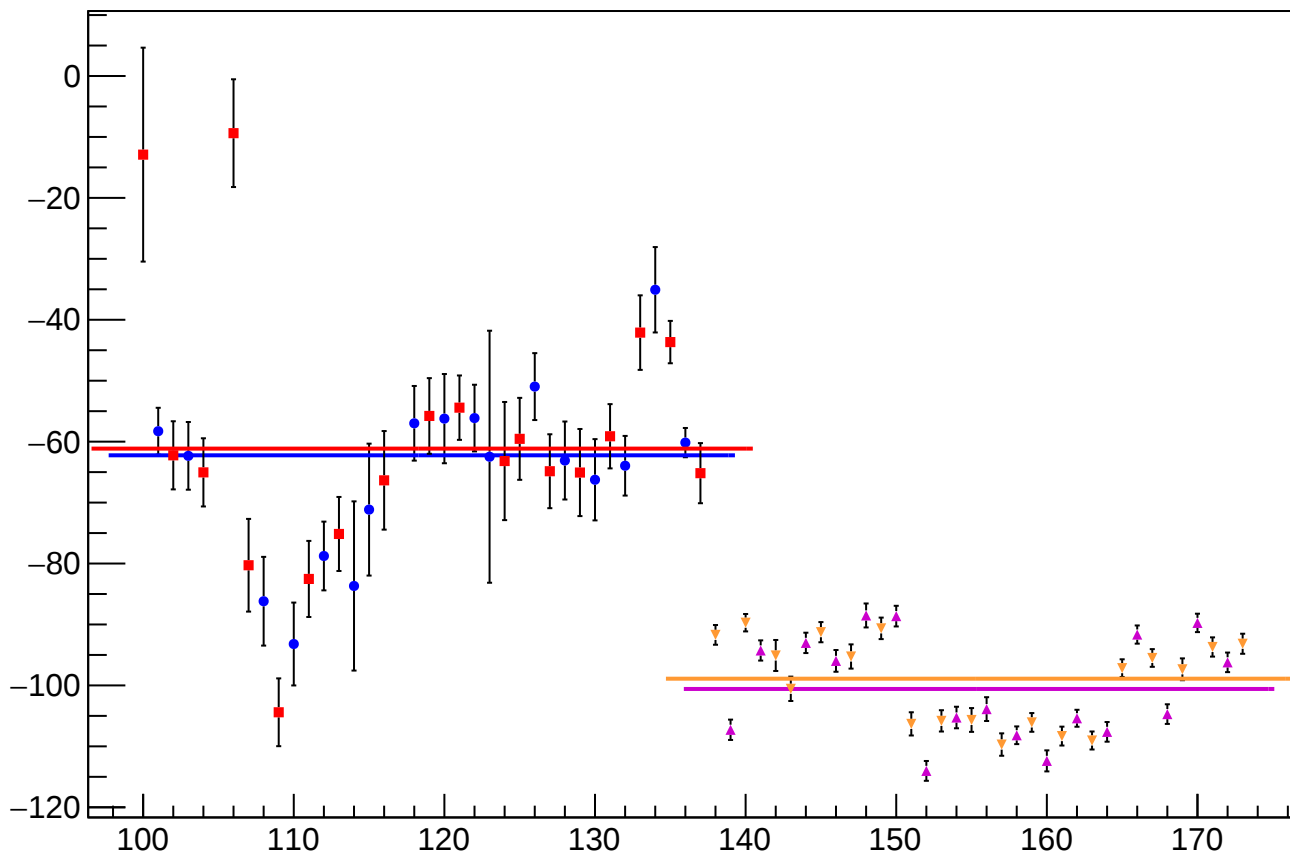
Right: -47.580 ± 0.525 $\chi^2/\text{NDF}: 2362.3/35$

In: -37.529 ± 0.276 $\chi^2/\text{NDF}: 2602.2/33$

Out: -36.893 ± 0.265 $\chi^2/\text{NDF}: 2124.3/37$

All: -37.199 ± 0.191 $\chi^2/\text{NDF}: 4729.3/71$

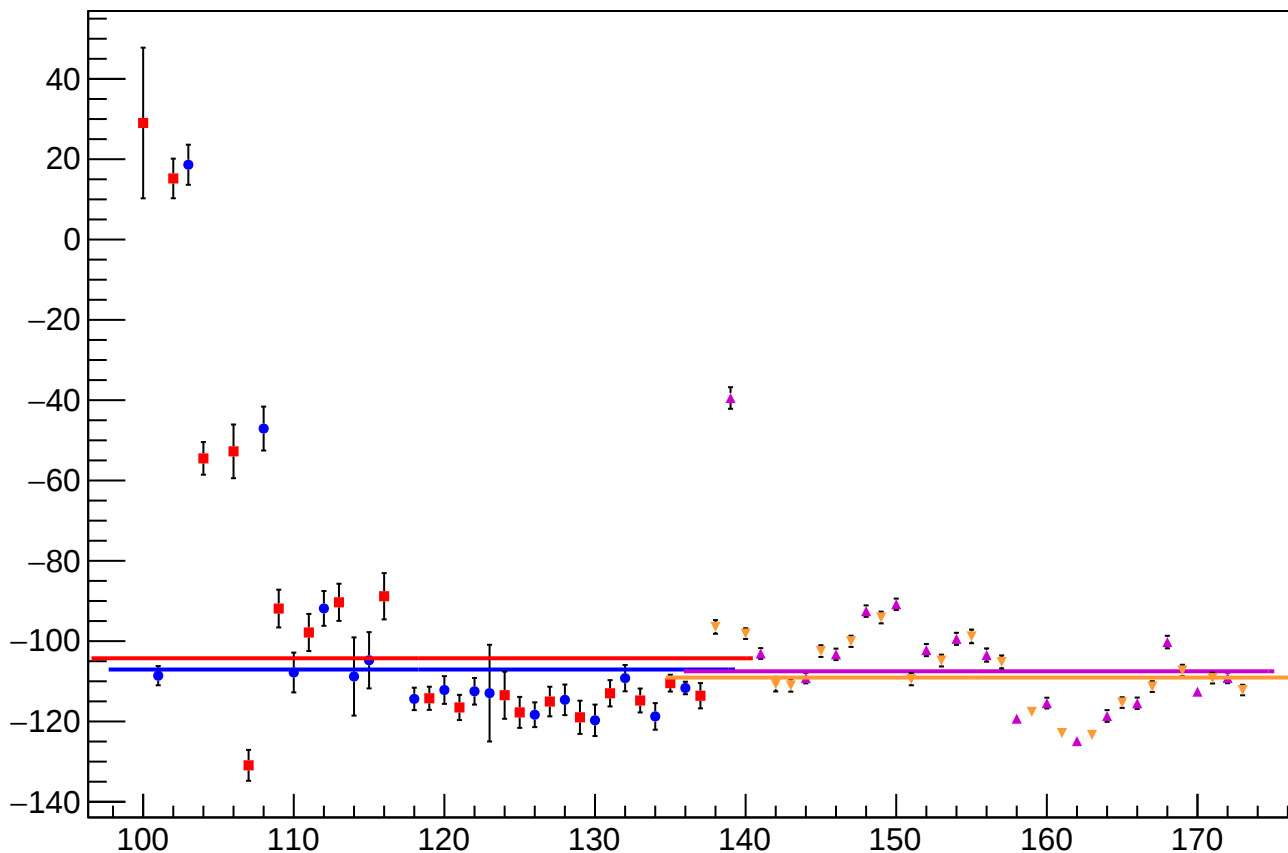
reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.242 ± 1.310 $\chi^2/\text{NDF}: 67.4/16$
 Left Out: -98.897 ± 0.386 $\chi^2/\text{NDF}: 324.5/18$
 Right Out: -61.142 ± 1.379 $\chi^2/\text{NDF}: 165.6/18$
 Left In: -100.582 ± 0.397 $\chi^2/\text{NDF}: 429.8/16$

Left: -99.716 ± 0.277 $\chi^2/\text{NDF}: 763.5/35$
 Right: -61.720 ± 0.950 $\chi^2/\text{NDF}: 233.3/35$
 In: -97.353 ± 0.380 $\chi^2/\text{NDF}: 1281.4/33$
 Out: -96.154 ± 0.372 $\chi^2/\text{NDF}: 1184.8/37$
 All: -96.740 ± 0.266 $\chi^2/\text{NDF}: 2471.3/71$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -107.066 ± 0.811 χ^2/NDF : 828.4/16

Left Out: -109.068 ± 0.324 χ^2/NDF : 692.1/18

Right Out: -104.269 ± 0.861 χ^2/NDF : 1018.6/18

Left In: -107.509 ± 0.340 χ^2/NDF : 1437.0/16

Left: -108.327 ± 0.235 χ^2/NDF : 2140.1/35

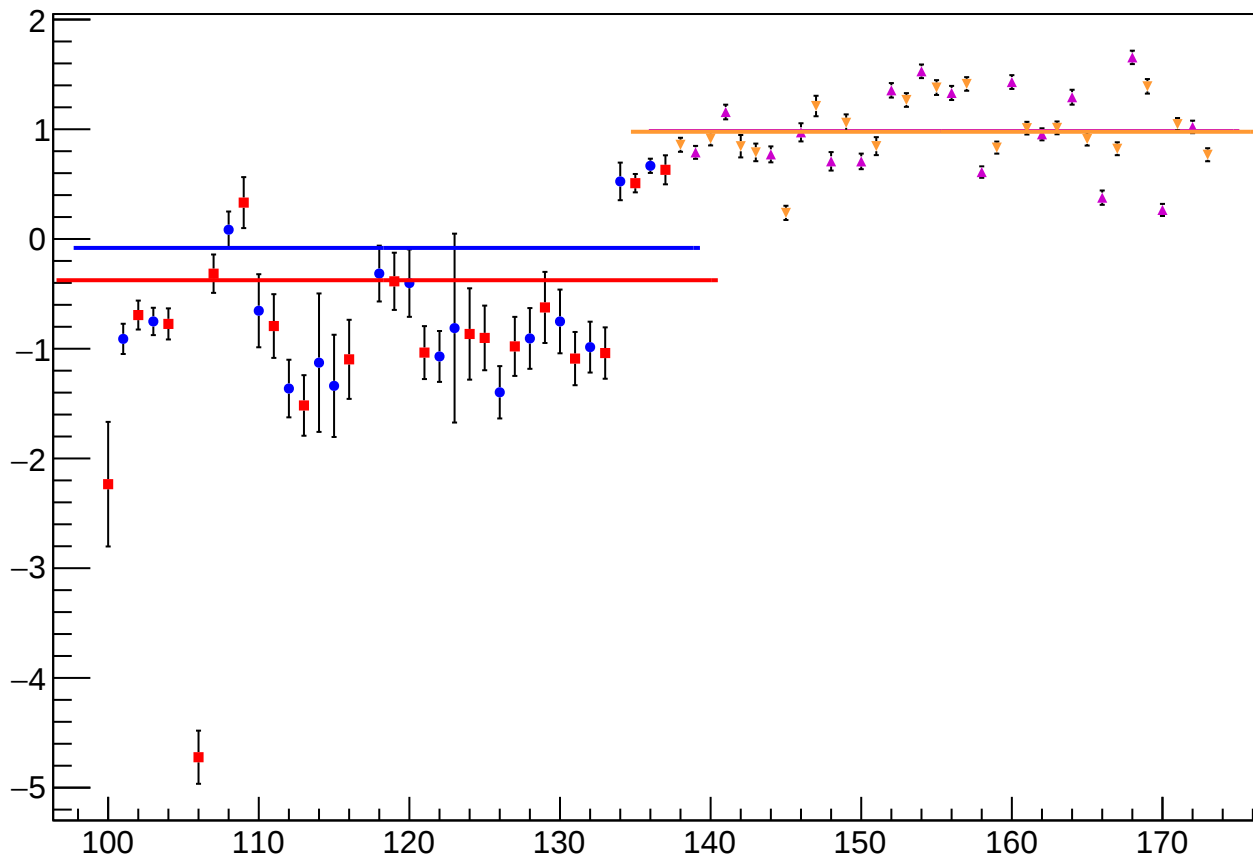
Right: -105.751 ± 0.590 χ^2/NDF : 1852.6/35

In: -107.443 ± 0.314 χ^2/NDF : 2265.6/33

Out: -108.473 ± 0.303 χ^2/NDF : 1737.9/37

All: -107.976 ± 0.218 χ^2/NDF : 4009.1/71

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.081 ± 0.042 χ^2/NDF : 329.0/16

Left Out: 0.977 ± 0.015 χ^2/NDF : 326.4/18

Right Out: -0.376 ± 0.044 χ^2/NDF : 583.0/18

Left In: 0.984 ± 0.015 χ^2/NDF : 689.5/16

Left: 0.980 ± 0.011 χ^2/NDF : 1016.0/35

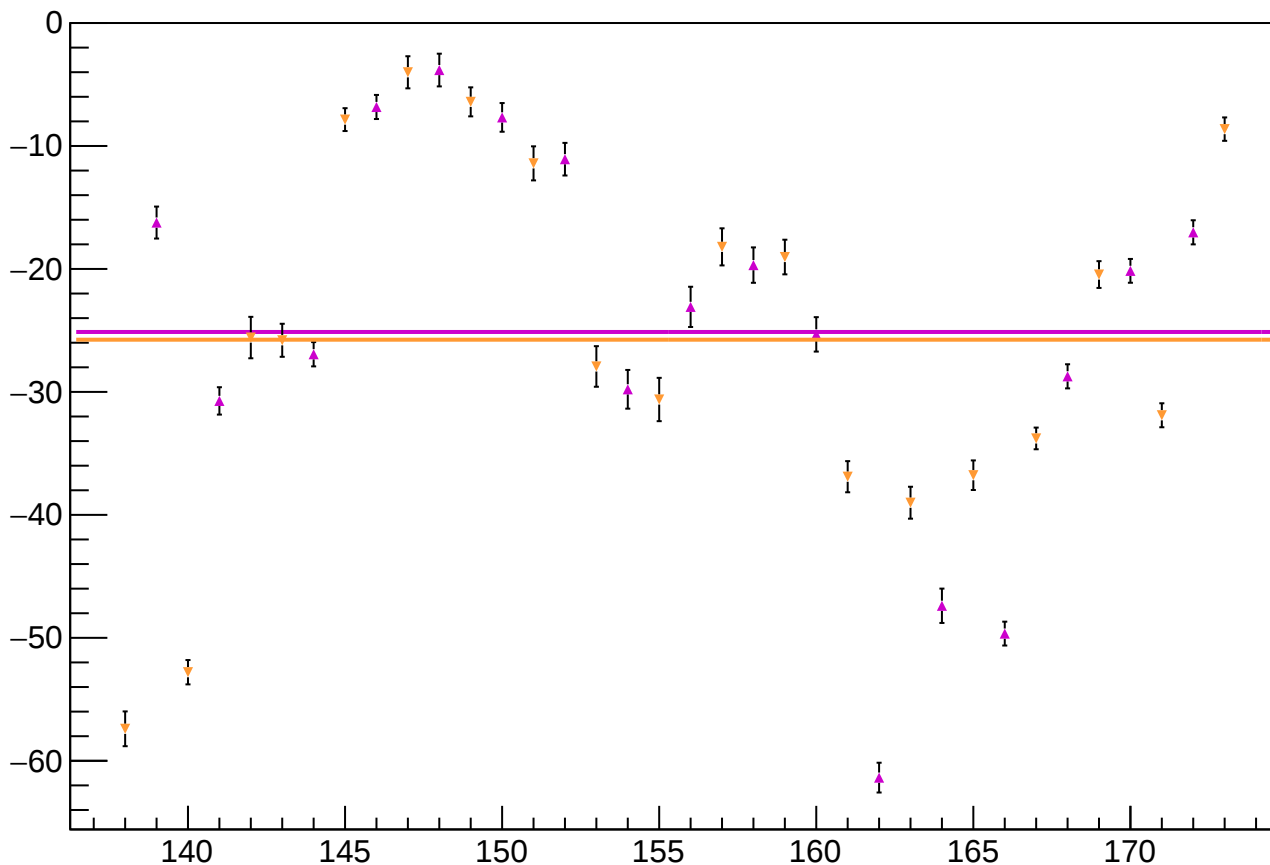
Right: -0.223 ± 0.030 χ^2/NDF : 935.4/35

In: 0.859 ± 0.014 χ^2/NDF : 1581.6/33

Out: 0.837 ± 0.014 χ^2/NDF : 1761.0/37

All: 0.847 ± 0.010 χ^2/NDF : 3343.8/71

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



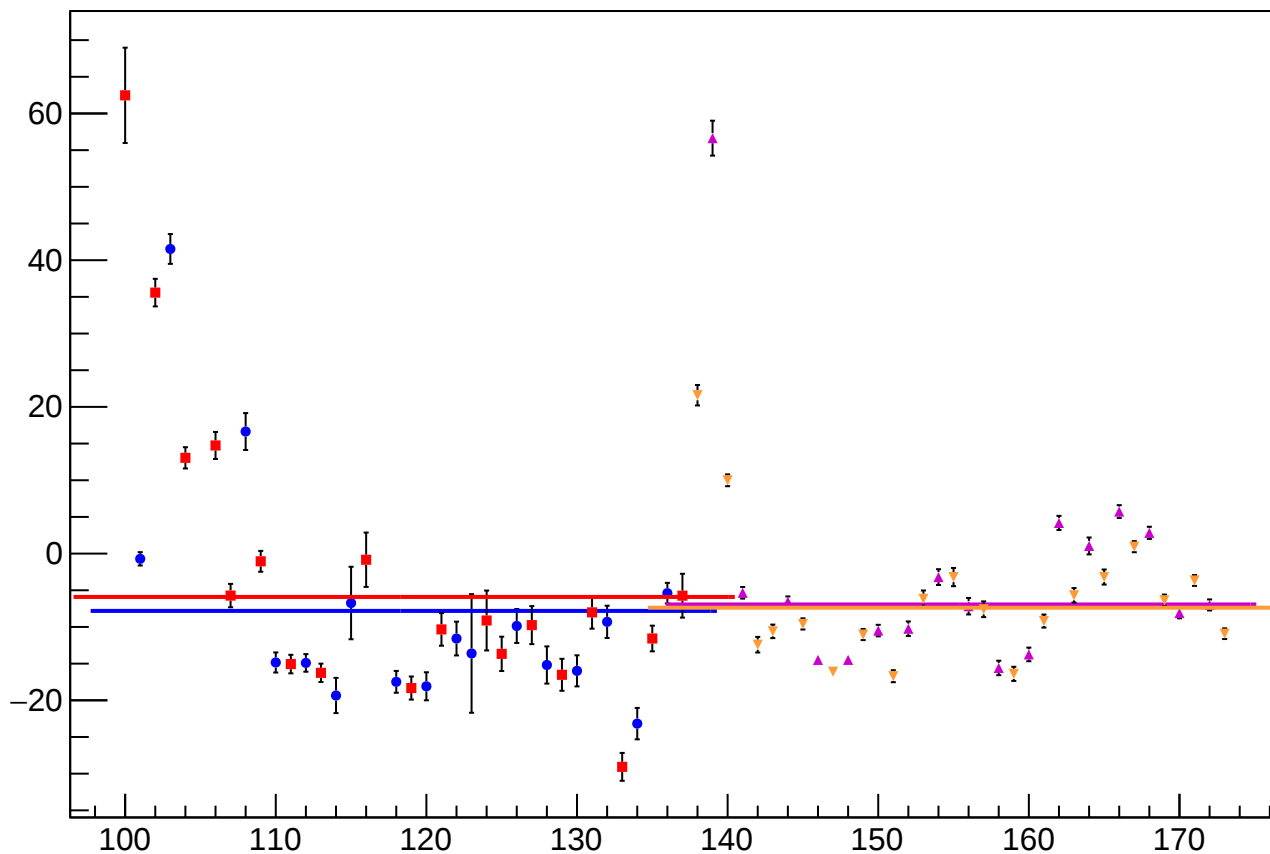
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -25.754+/-0.275 χ^2/NDF :3063.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -25.126+/-0.283 χ^2/NDF :2938.6/16

Left: -25.449+/-0.197 χ^2/NDF : 6004.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.126+/-0.283 χ^2/NDF :2938.6/16
 Out: -25.754+/-0.275 χ^2/NDF :3063.5/18

All: -25.449+/-0.197 χ^2/NDF : 6004.6/35

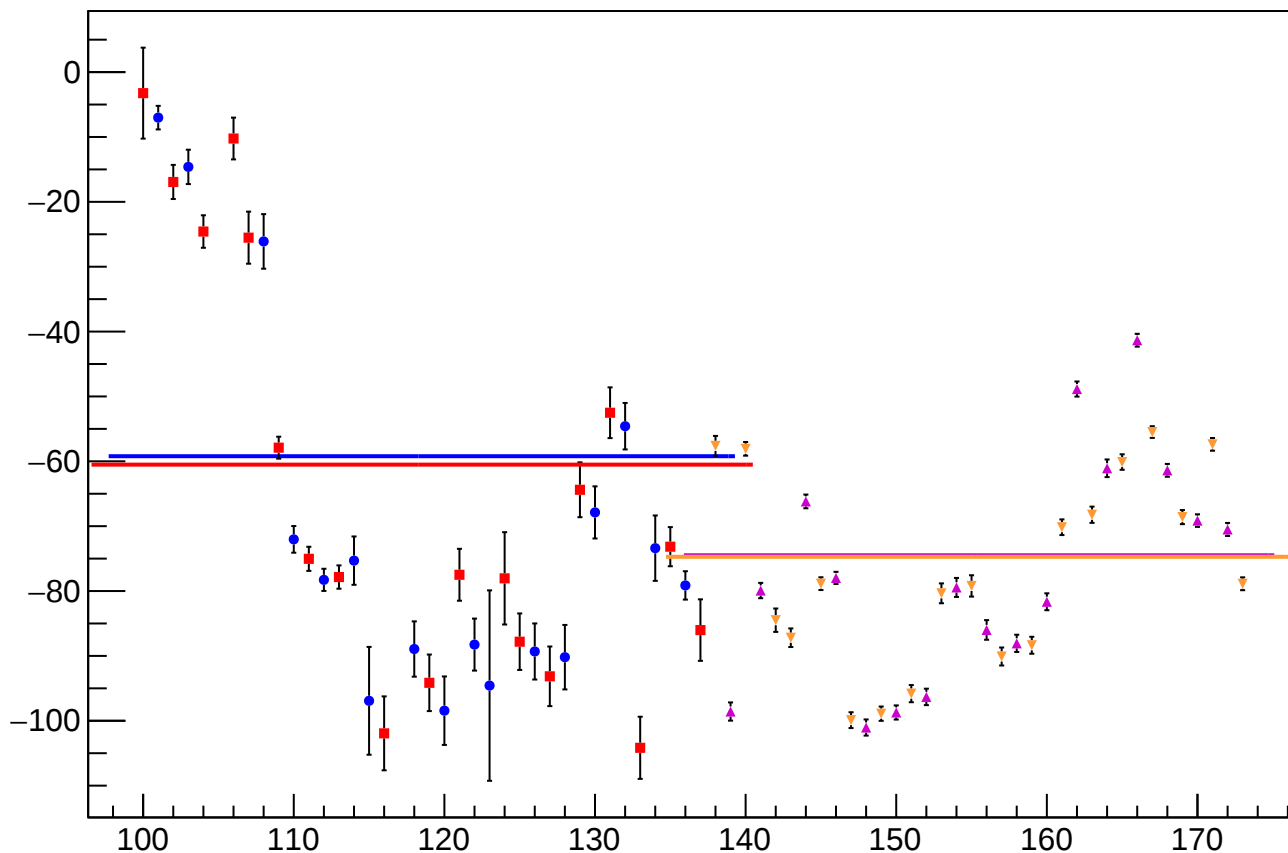
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.812 ± 0.427 χ^2/NDF : 982.8/16
 Left Out: -7.375 ± 0.199 χ^2/NDF : 1581.7/18
 Right Out: -5.908 ± 0.429 χ^2/NDF : 1293.1/18
 Left In: -6.932 ± 0.206 χ^2/NDF : 1706.8/16

Left: -7.161 ± 0.143 χ^2/NDF : 3290.9/35
 Right: -6.864 ± 0.303 χ^2/NDF : 2285.7/35
 In: -7.098 ± 0.186 χ^2/NDF : 2693.0/33
 Out: -7.116 ± 0.180 χ^2/NDF : 2884.4/37
 All: -7.107 ± 0.129 χ^2/NDF : 5577.4/71

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.214 ± 0.744 $\chi^2/\text{NDF}: 1720.4/16$

Left Out: -74.720 ± 0.275 $\chi^2/\text{NDF}: 2915.8/18$

Right Out: -60.513 ± 0.704 $\chi^2/\text{NDF}: 1383.9/18$

Left In: -74.483 ± 0.280 $\chi^2/\text{NDF}: 3762.1/16$

Left: -74.604 ± 0.196 $\chi^2/\text{NDF}: 6678.3/35$

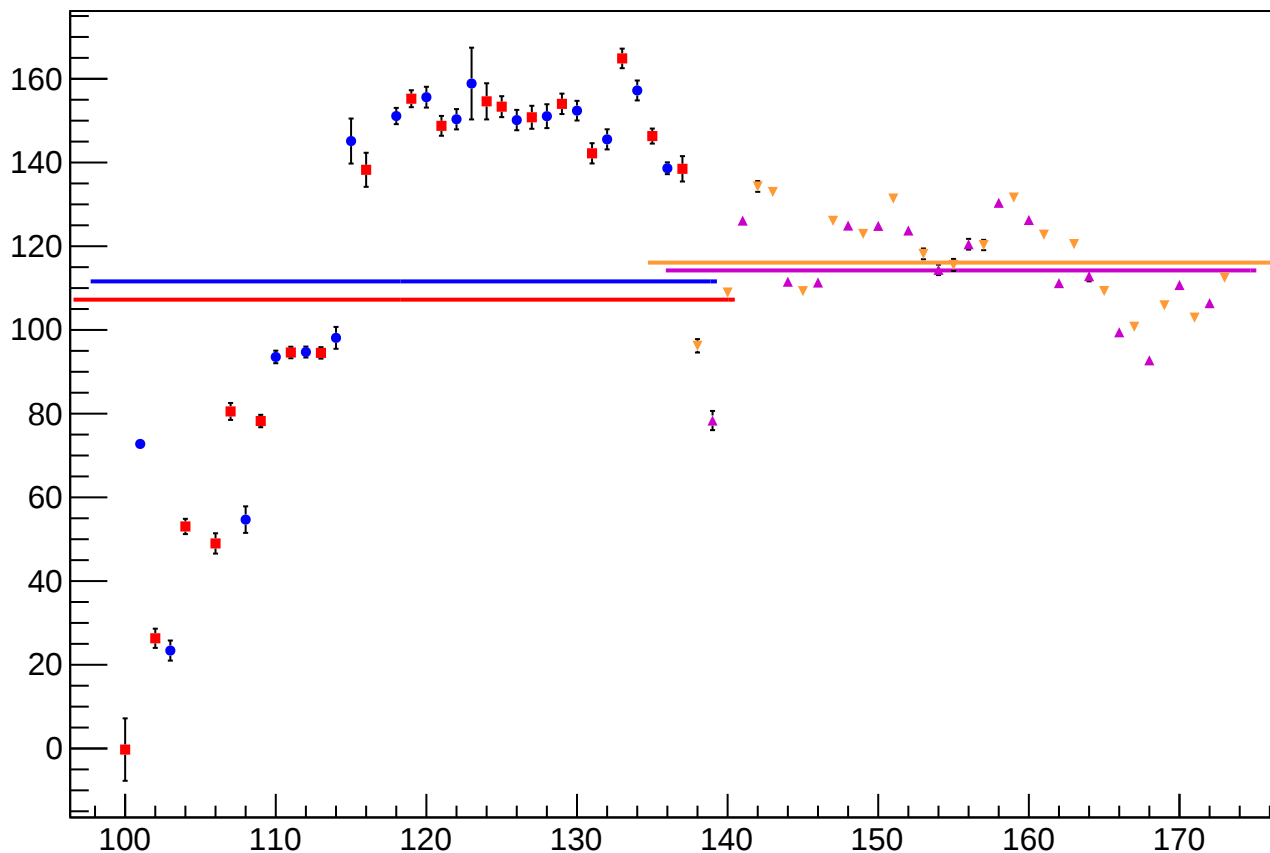
Right: -59.899 ± 0.511 $\chi^2/\text{NDF}: 3105.9/35$

In: -72.590 ± 0.262 $\chi^2/\text{NDF}: 5851.7/33$

Out: -72.846 ± 0.256 $\chi^2/\text{NDF}: 4653.1/37$

All: -72.721 ± 0.183 $\chi^2/\text{NDF}: 10505.3/71$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.599 $\pm$ 0.487 χ^2 /NDF: 5959.5/16

Left Out: 116.086 $\pm$ 0.229 χ^2 /NDF:2213.8/18

Right Out: 107.238 $\pm$ 0.488 χ^2 /NDF: 7037.4/18

Left In: 114.217 $\pm$ 0.238 χ^2 /NDF:2035.0/16

Left: 115.188 $\pm$ 0.165 χ^2 /NDF: 4280.8/35

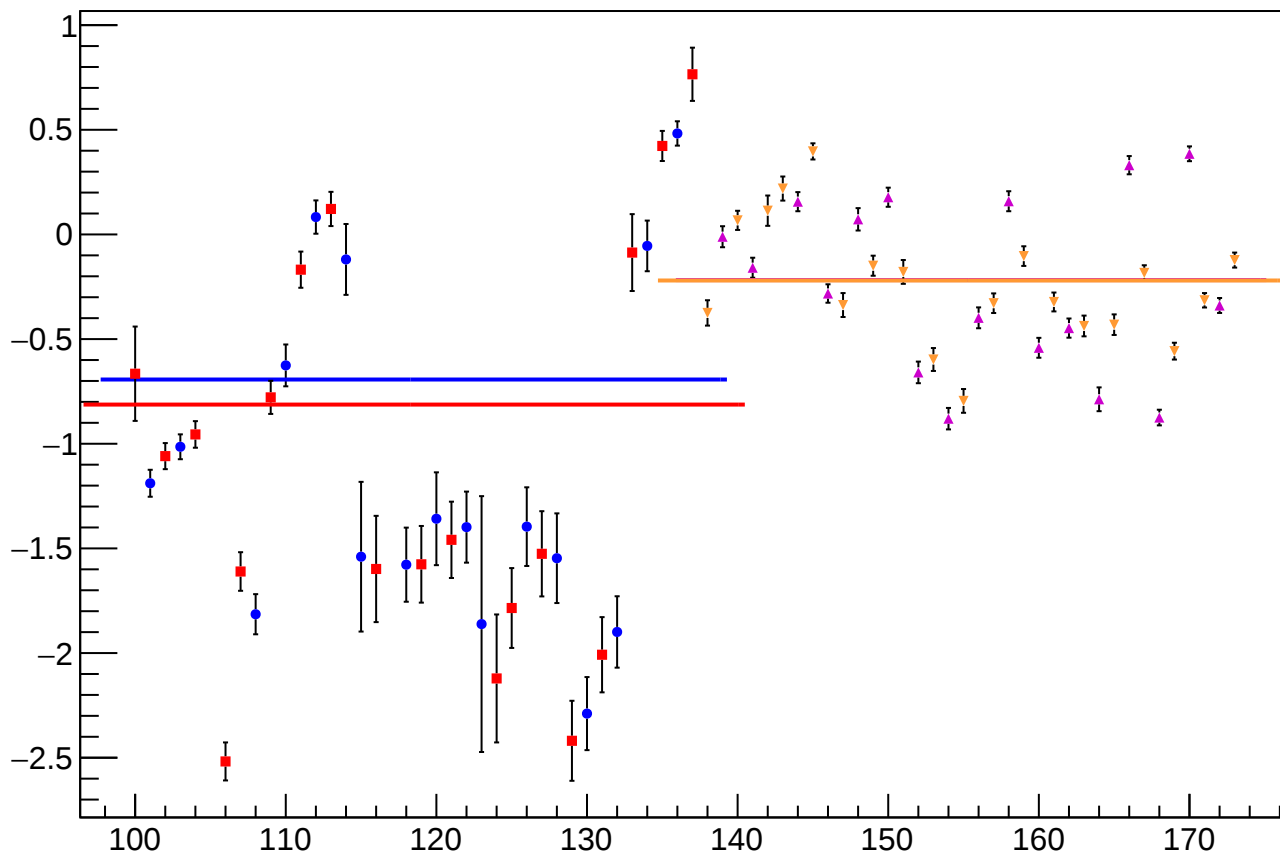
Right: 109.423 $\pm$ 0.344 χ^2 /NDF: 13037.0/35

In: 113.712 $\pm$ 0.214 χ^2 /NDF:8017.9/33

Out: 114.489 $\pm$ 0.207 χ^2 /NDF:9520.9/37

All: 114.113 $\pm$ 0.149 χ^2 /NDF: 17545.6/71

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.693 ± 0.026 χ^2/NDF : 993.1/16

Left Out: -0.220 ± 0.011 χ^2/NDF : 678.5/18

Right Out: -0.813 ± 0.024 χ^2/NDF : 1310.7/18

Left In: -0.218 ± 0.011 χ^2/NDF : 1448.7/16

Left: -0.219 ± 0.008 χ^2/NDF : 2127.2/35

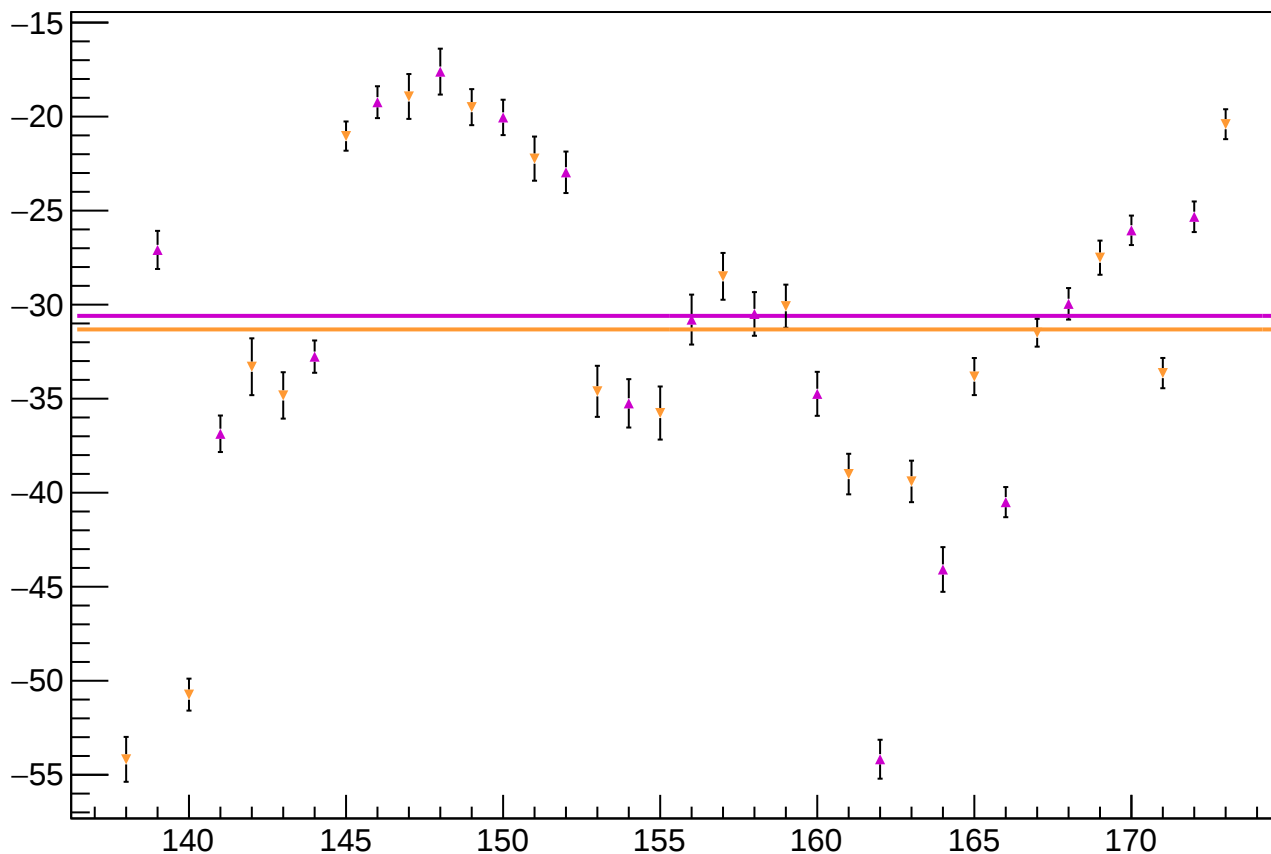
Right: -0.756 ± 0.018 χ^2/NDF : 2315.2/35

In: -0.291 ± 0.010 χ^2/NDF : 2729.5/33

Out: -0.315 ± 0.010 χ^2/NDF : 2487.1/37

All: -0.304 ± 0.007 χ^2/NDF : 5219.6/71

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



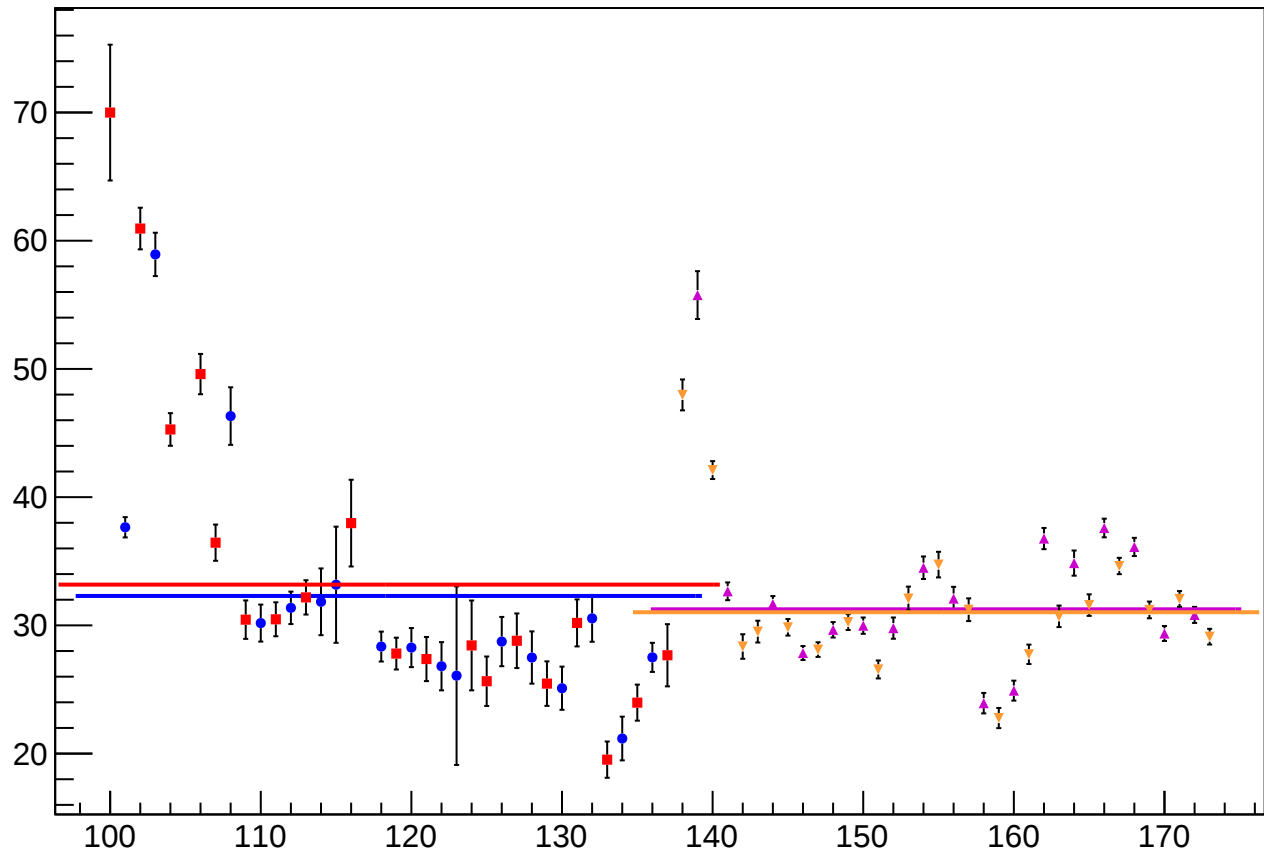
Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -31.318 ± 0.231 χ^2/NDF : 1741.4/18
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -30.597 ± 0.237 χ^2/NDF : 1429.3/16

Left: -30.966 ± 0.166 χ^2/NDF : 3175.4/35
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -30.597 ± 0.237 χ^2/NDF : 1429.3/16
 Out: -31.318 ± 0.231 χ^2/NDF : 1741.4/18

All: -30.966 ± 0.166 χ^2/NDF : 3175.4/35

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.295 ± 0.373 $\chi^2/\text{NDF}: 452.2/16$

Left Out: 31.025 ± 0.169 $\chi^2/\text{NDF}: 722.6/18$

Right Out: 33.180 ± 0.379 $\chi^2/\text{NDF}: 770.3/18$

Left In: 31.252 ± 0.175 $\chi^2/\text{NDF}: 587.4/16$

Left: 31.134 ± 0.122 $\chi^2/\text{NDF}: 1310.9/35$

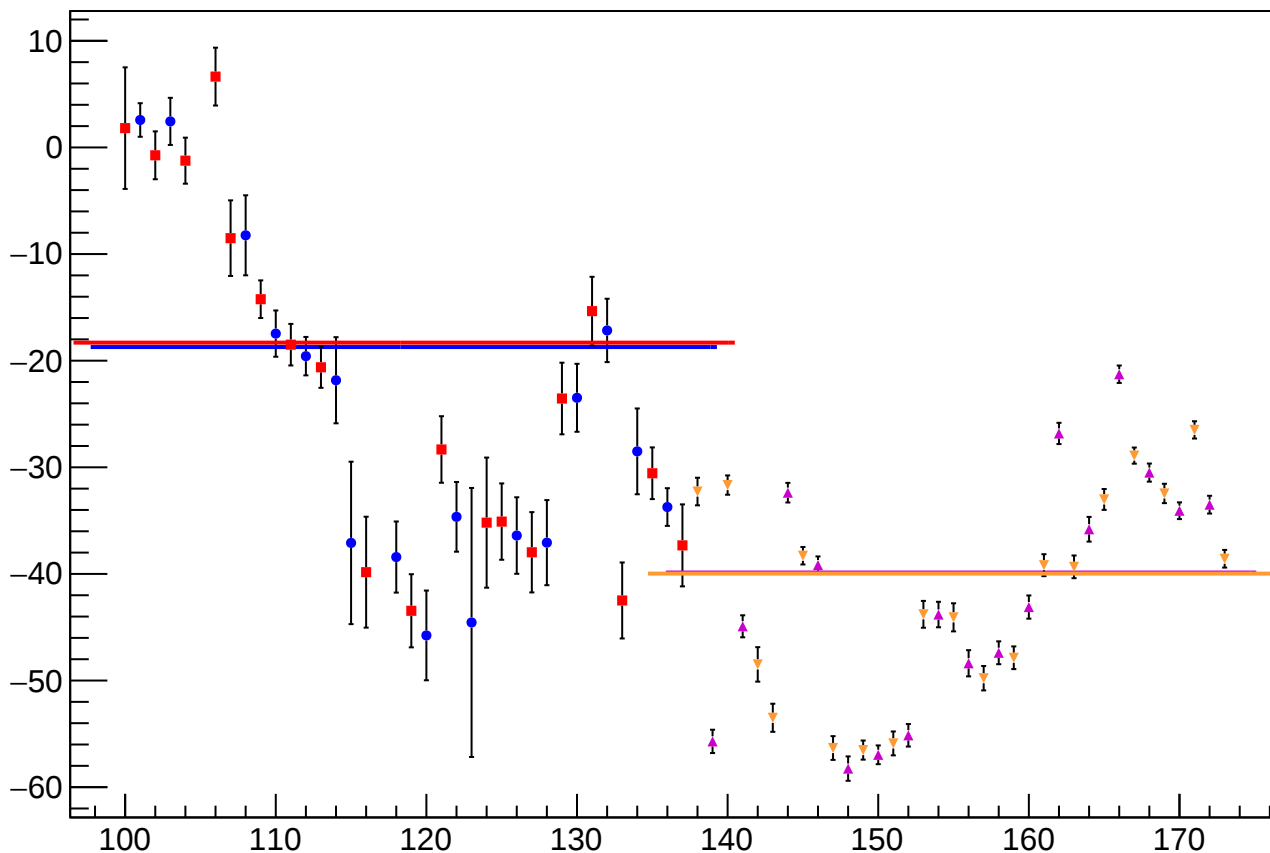
Right: 32.730 ± 0.266 $\chi^2/\text{NDF}: 1225.3/35$

In: 31.441 ± 0.159 $\chi^2/\text{NDF}: 1046.0/33$

Out: 31.382 ± 0.154 $\chi^2/\text{NDF}: 1519.8/37$

All: 31.410 ± 0.111 $\chi^2/\text{NDF}: 2565.9/71$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.721 ± 0.665 $\chi^2/\text{NDF}: 519.6/16$

Left Out: -39.969 ± 0.231 $\chi^2/\text{NDF}: 1776.6/18$

Right Out: -18.306 ± 0.644 $\chi^2/\text{NDF}: 472.6/18$

Left In: -39.869 ± 0.234 $\chi^2/\text{NDF}: 2199.5/16$

Left: -39.920 ± 0.164 $\chi^2/\text{NDF}: 3976.2/35$

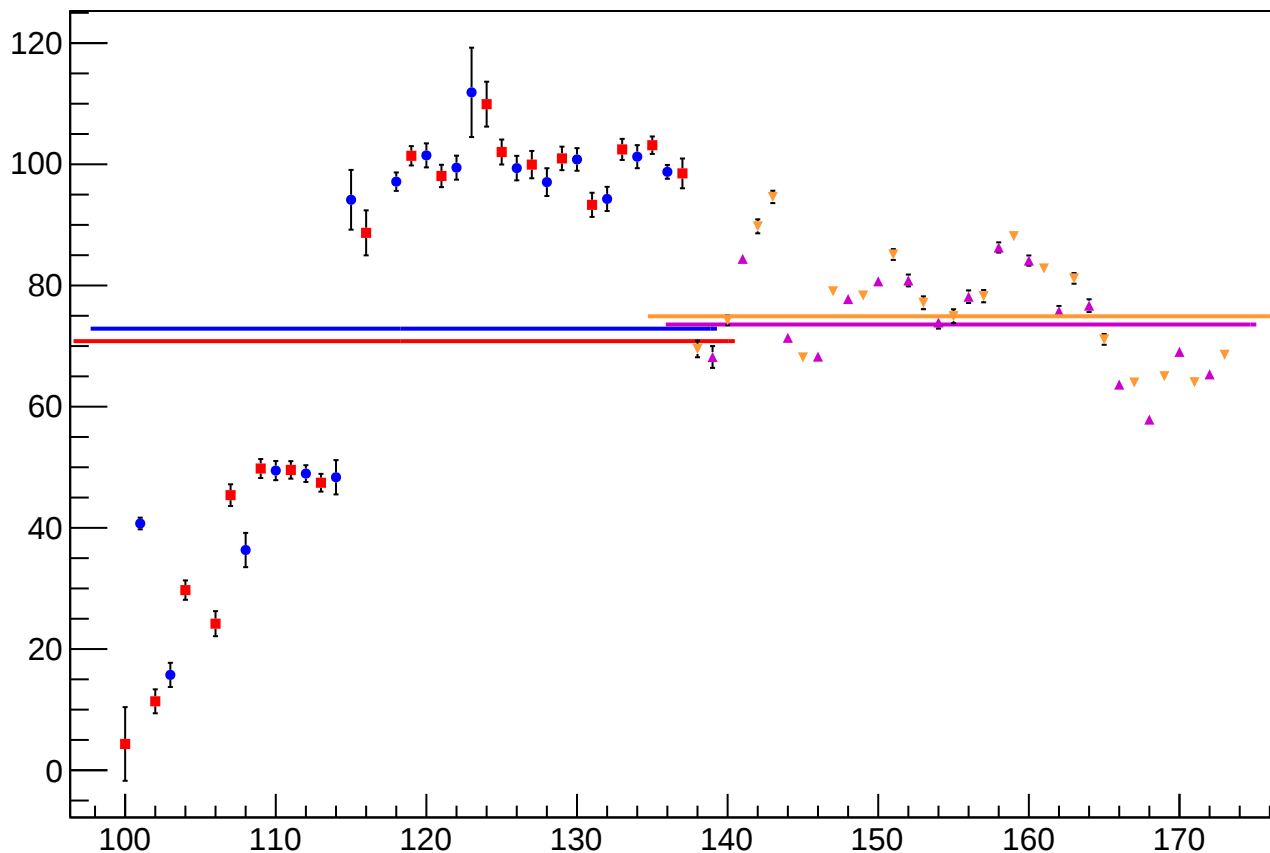
Right: -18.506 ± 0.463 $\chi^2/\text{NDF}: 992.4/35$

In: -37.533 ± 0.221 $\chi^2/\text{NDF}: 3617.7/33$

Out: -37.500 ± 0.217 $\chi^2/\text{NDF}: 3253.3/37$

All: -37.516 ± 0.155 $\chi^2/\text{NDF}: 6871.0/71$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.875 $\pm$ 0.426 χ^2 /NDF: 4737.9/16

Left Out: 74.920 $\pm$ 0.193 χ^2 /NDF:2029.9/18

Right Out: 70.815 $\pm$ 0.433 χ^2 /NDF: 5489.3/18

Left In: 73.561 $\pm$ 0.201 χ^2 /NDF:1559.8/16

Left: 74.266 $\pm$ 0.139 χ^2 /NDF: 3613.5/35

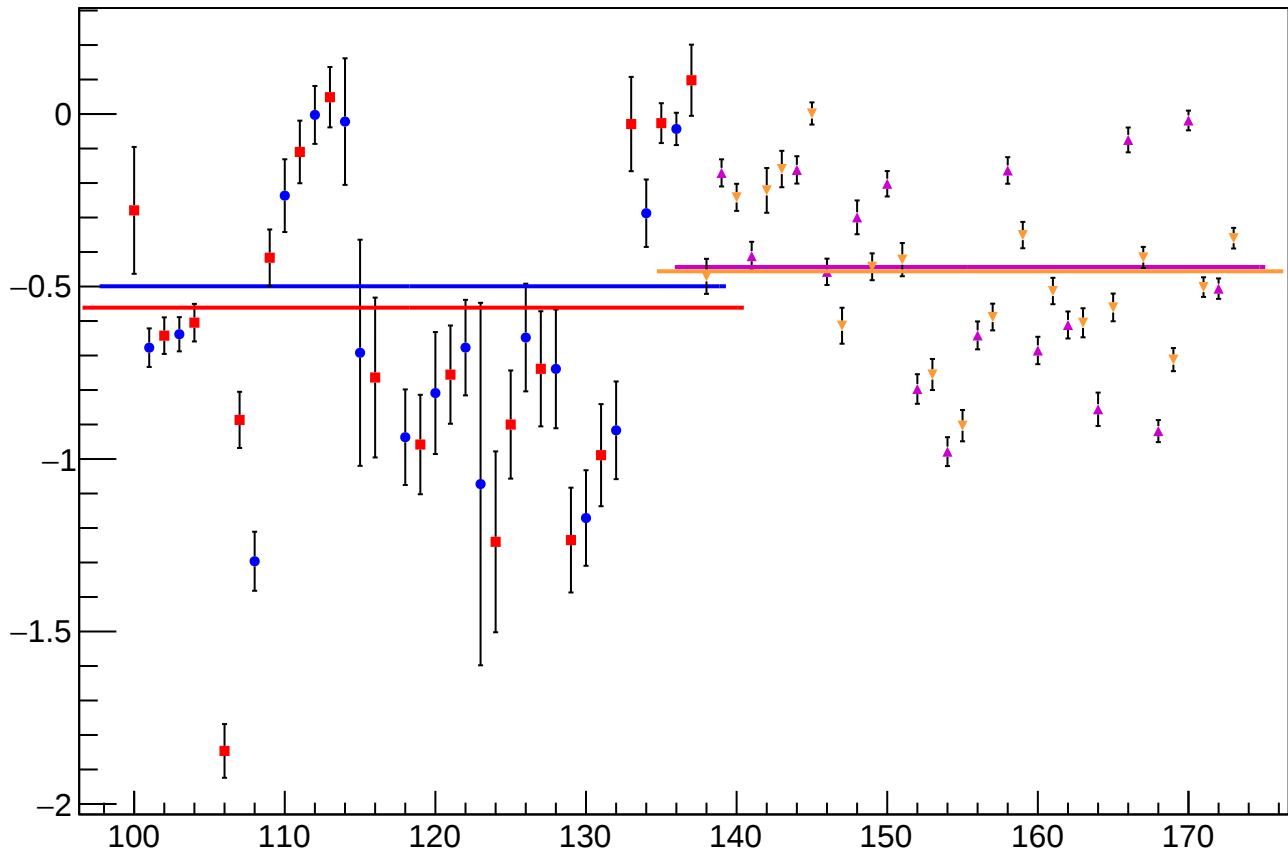
Right: 71.863 $\pm$ 0.304 χ^2 /NDF: 10238.7/35

In: 73.437 $\pm$ 0.182 χ^2 /NDF:6299.9/33

Out: 74.238 $\pm$ 0.177 χ^2 /NDF:7594.1/37

All: 73.849 $\pm$ 0.127 χ^2 /NDF: 13904.0/71

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.499 ± 0.022 χ^2/NDF : 303.5/16

Left Out: -0.456 ± 0.009 χ^2/NDF : 541.3/18

Right Out: -0.561 ± 0.021 χ^2/NDF : 562.3/18

Left In: -0.443 ± 0.009 χ^2/NDF : 1138.9/16

Left: -0.450 ± 0.006 χ^2/NDF : 1681.1/35

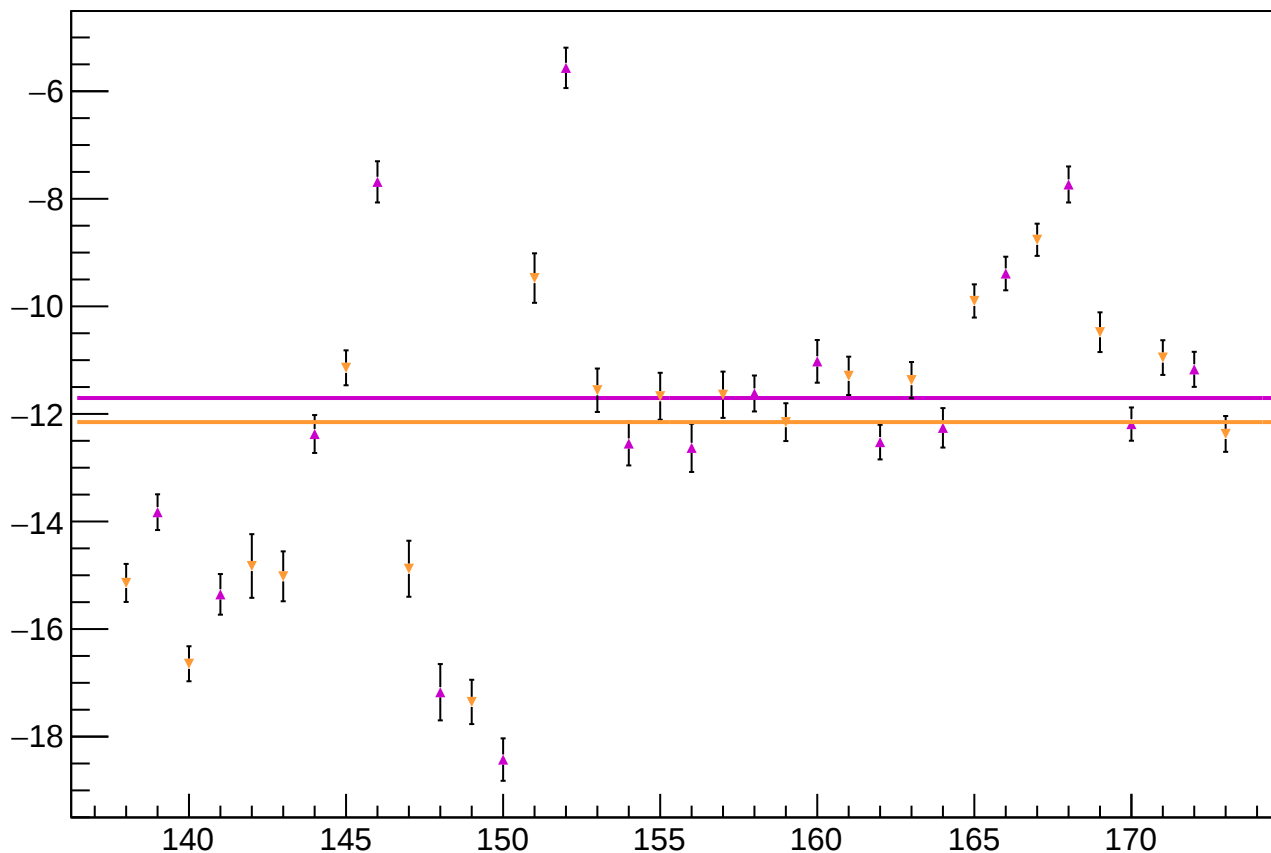
Right: -0.532 ± 0.015 χ^2/NDF : 869.9/35

In: -0.451 ± 0.008 χ^2/NDF : 1447.7/33

Out: -0.471 ± 0.008 χ^2/NDF : 1124.3/37

All: -0.462 ± 0.006 χ^2/NDF : 2574.9/71

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -12.152 ± 0.085 $\chi^2/\text{NDF}: 783.5/18$

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

Left In: -11.704 ± 0.088 $\chi^2/\text{NDF}: 1135.3/16$

Left: -11.934 ± 0.061 $\chi^2/\text{NDF}: 1932.3/35$

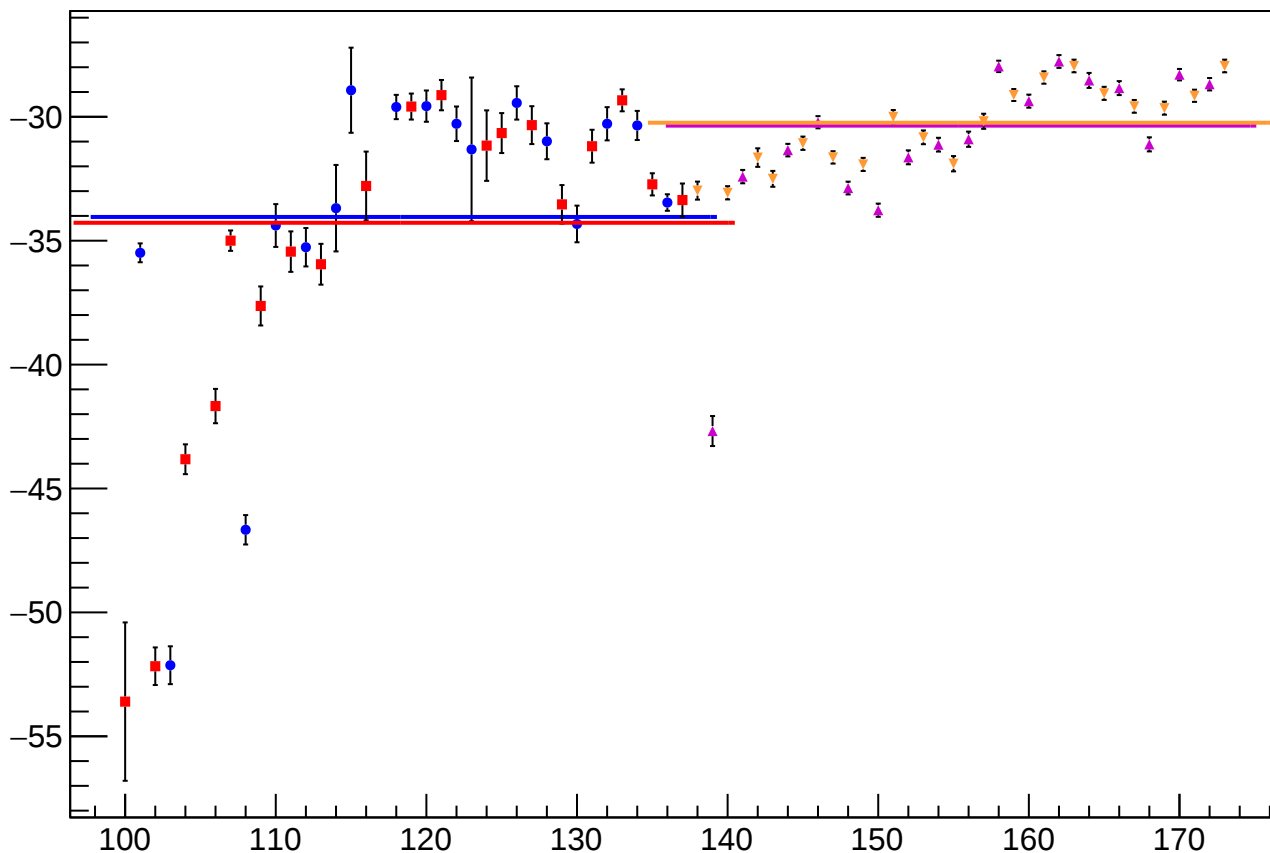
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -11.704 ± 0.088 $\chi^2/\text{NDF}: 1135.3/16$

Out: -12.152 ± 0.085 $\chi^2/\text{NDF}: 783.5/18$

All: -11.934 ± 0.061 $\chi^2/\text{NDF}: 1932.3/35$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.042 ± 0.151 χ^2/NDF : 1340.8/16

Left Out: -30.239 ± 0.063 χ^2/NDF : 632.8/18

Right Out: -34.277 ± 0.151 χ^2/NDF : 1349.5/18

Left In: -30.356 ± 0.066 χ^2/NDF : 1195.7/16

Left: -30.295 ± 0.045 χ^2/NDF : 1830.1/35

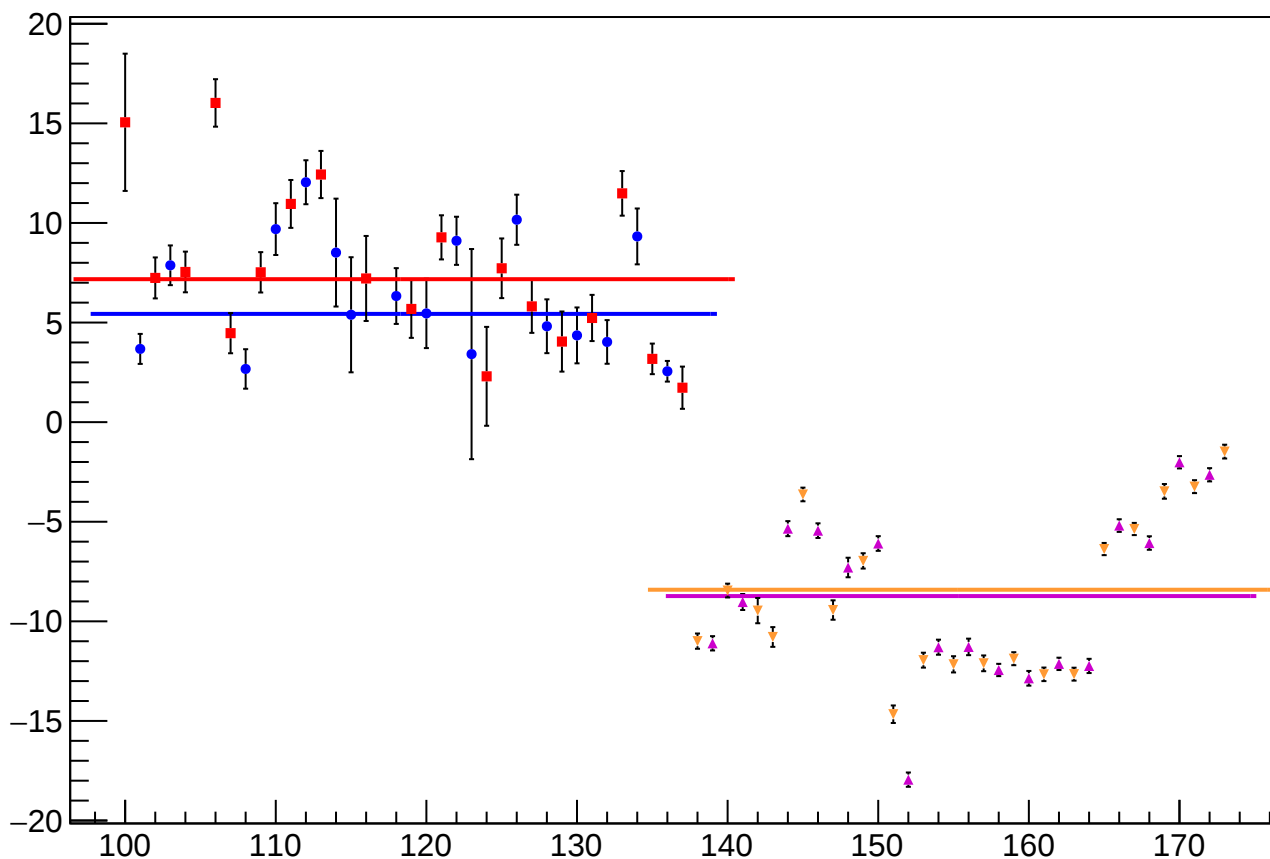
Right: -34.159 ± 0.107 χ^2/NDF : 2691.4/35

In: -30.944 ± 0.060 χ^2/NDF : 3039.2/33

Out: -30.835 ± 0.058 χ^2/NDF : 2593.2/37

All: -30.888 ± 0.042 χ^2/NDF : 5634.1/71

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.435 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -8.413 ± 0.085 $\chi^2/\text{NDF}: 2161.2/18$

Right Out: 7.177 ± 0.274 $\chi^2/\text{NDF}: 182.6/18$

Left In: -8.732 ± 0.086 $\chi^2/\text{NDF}: 2483.5/16$

Left: -8.569 ± 0.060 $\chi^2/\text{NDF}: 4651.6/35$

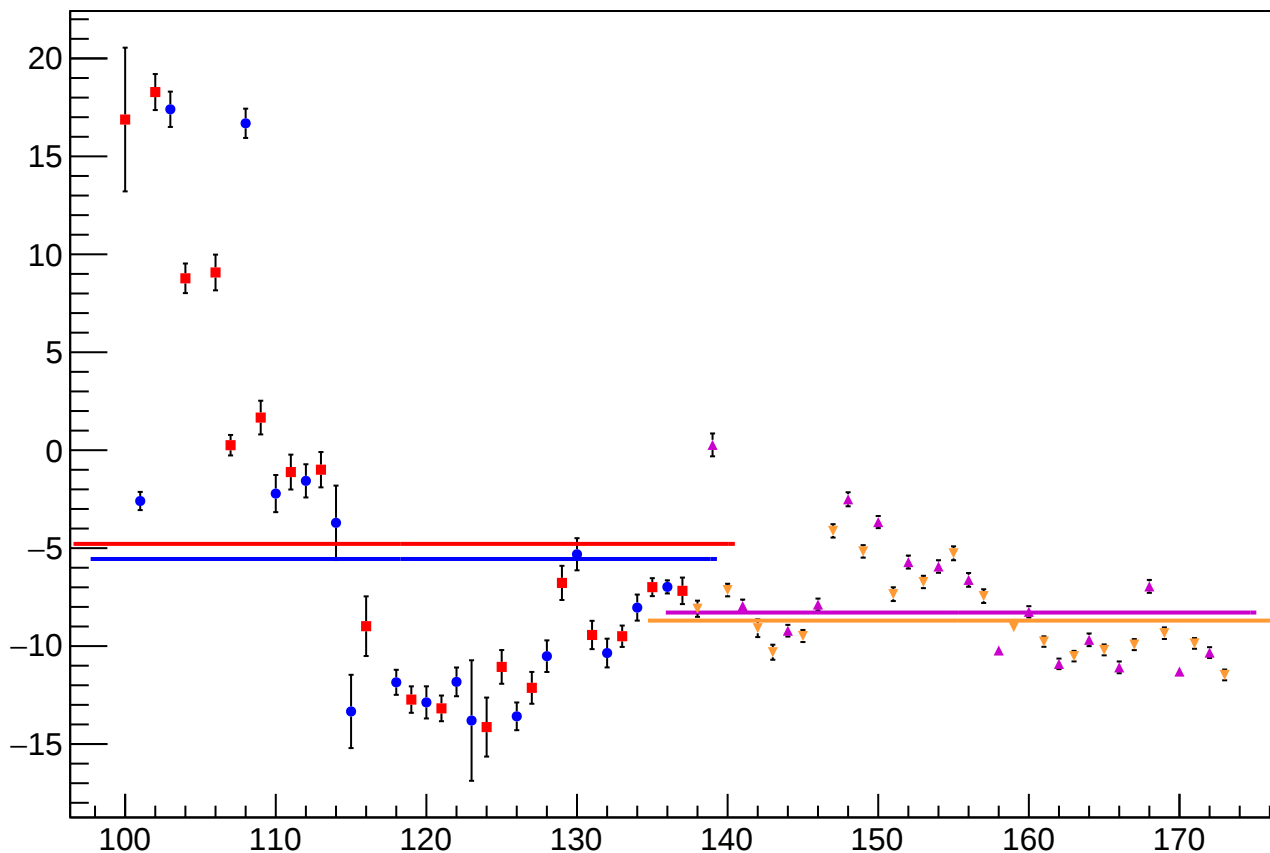
Right: 6.291 ± 0.192 $\chi^2/\text{NDF}: 335.1/35$

In: -7.417 ± 0.082 $\chi^2/\text{NDF}: 5121.0/33$

Out: -7.058 ± 0.081 $\chi^2/\text{NDF}: 5296.4/37$

All: -7.235 ± 0.058 $\chi^2/\text{NDF}: 10427.0/71$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.553 ± 0.170 $\chi^2/\text{NDF}: 2125.3/16$

Left Out: -8.699 ± 0.071 $\chi^2/\text{NDF}: 746.7/18$

Right Out: -4.782 ± 0.173 $\chi^2/\text{NDF}: 2040.4/18$

Left In: -8.287 ± 0.074 $\chi^2/\text{NDF}: 1326.5/16$

Left: -8.502 ± 0.051 $\chi^2/\text{NDF}: 2089.2/35$

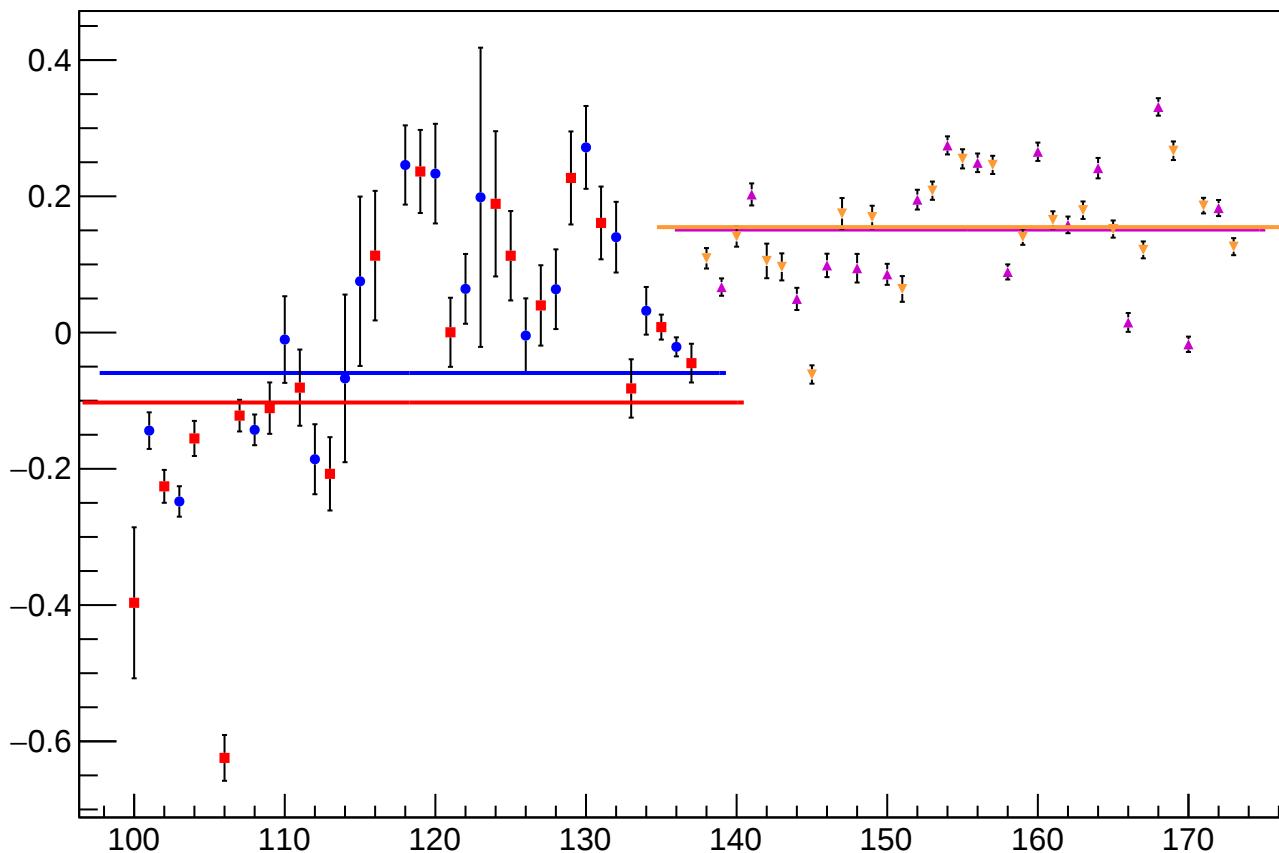
Right: -5.174 ± 0.121 $\chi^2/\text{NDF}: 4175.8/35$

In: -7.849 ± 0.068 $\chi^2/\text{NDF}: 3669.3/33$

Out: -8.130 ± 0.066 $\chi^2/\text{NDF}: 3226.1/37$

All: -7.994 ± 0.047 $\chi^2/\text{NDF}: 6904.2/71$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.008 χ^2/NDF : 217.6/16

Left Out: 0.155 ± 0.003 χ^2/NDF : 512.8/18

Right Out: -0.103 ± 0.008 χ^2/NDF : 435.5/18

Left In: 0.151 ± 0.003 χ^2/NDF : 939.1/16

Left: 0.153 ± 0.002 χ^2/NDF : 1452.5/35

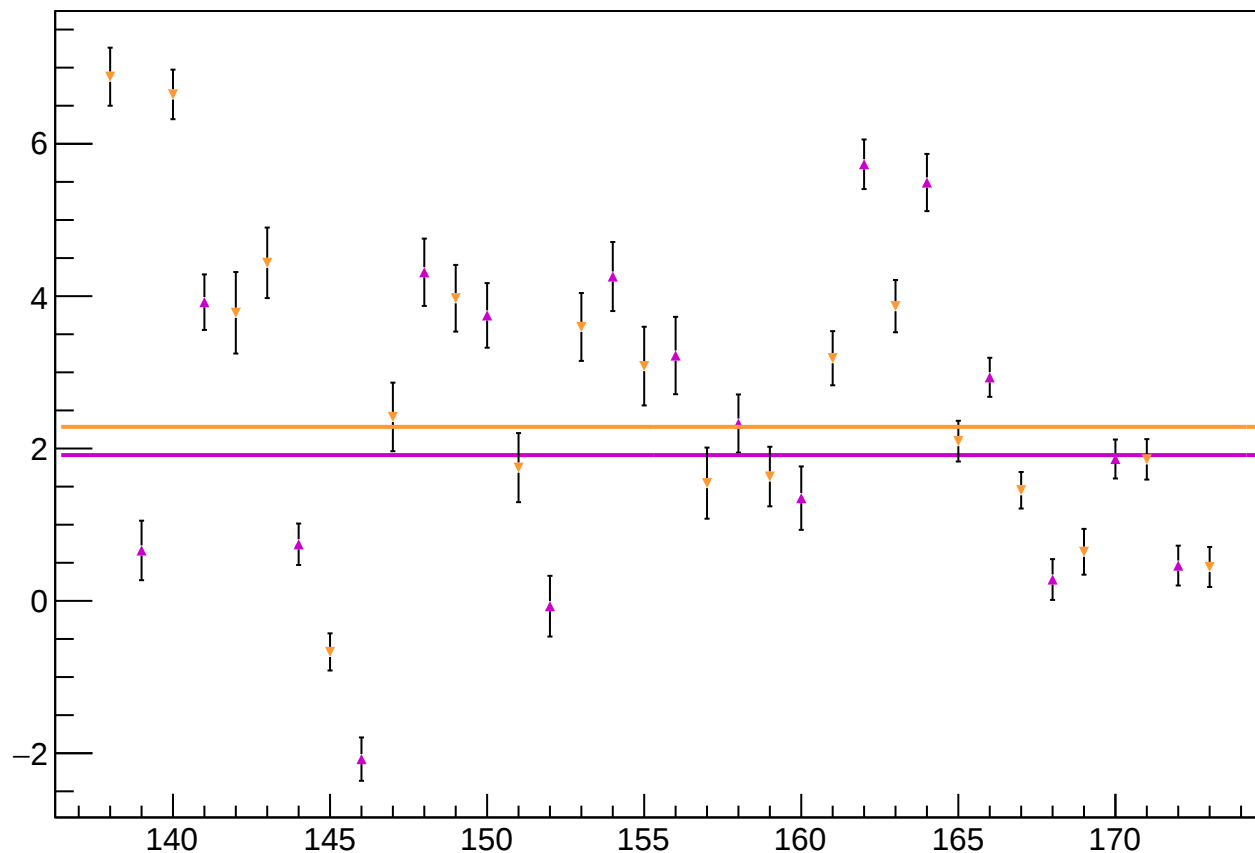
Right: -0.081 ± 0.006 χ^2/NDF : 666.4/35

In: 0.123 ± 0.003 χ^2/NDF : 1701.0/33

Out: 0.121 ± 0.003 χ^2/NDF : 1762.3/37

All: 0.122 ± 0.002 χ^2/NDF : 3463.3/71

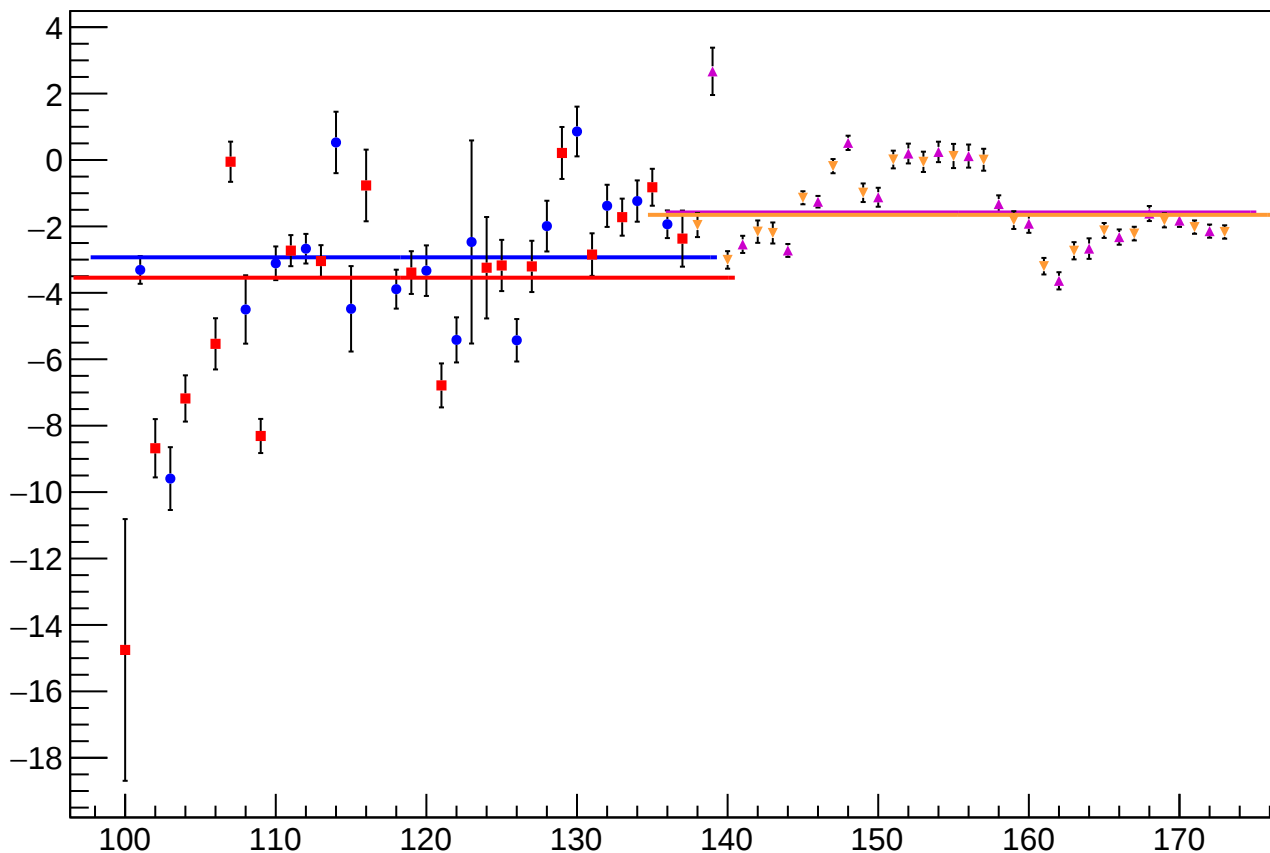
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.284+/-0.078 χ^2/NDF : 656.1/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.914+/-0.081 χ^2/NDF : 677.8/16

Left: 2.105+/-0.056 χ^2/NDF : 1344.8/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.914+/-0.081 χ^2/NDF : 677.8/16
 Out: 2.284+/-0.078 χ^2/NDF : 656.1/18
 All: 2.105+/-0.056 χ^2/NDF : 1344.8/35

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.930 ± 0.154 χ^2/NDF : 146.5/16

Left Out: -1.651 ± 0.058 χ^2/NDF : 286.0/18

Right Out: -3.544 ± 0.155 χ^2/NDF : 291.7/18

Left In: -1.580 ± 0.059 χ^2/NDF : 376.9/16

Left: -1.617 ± 0.041 χ^2/NDF : 663.7/35

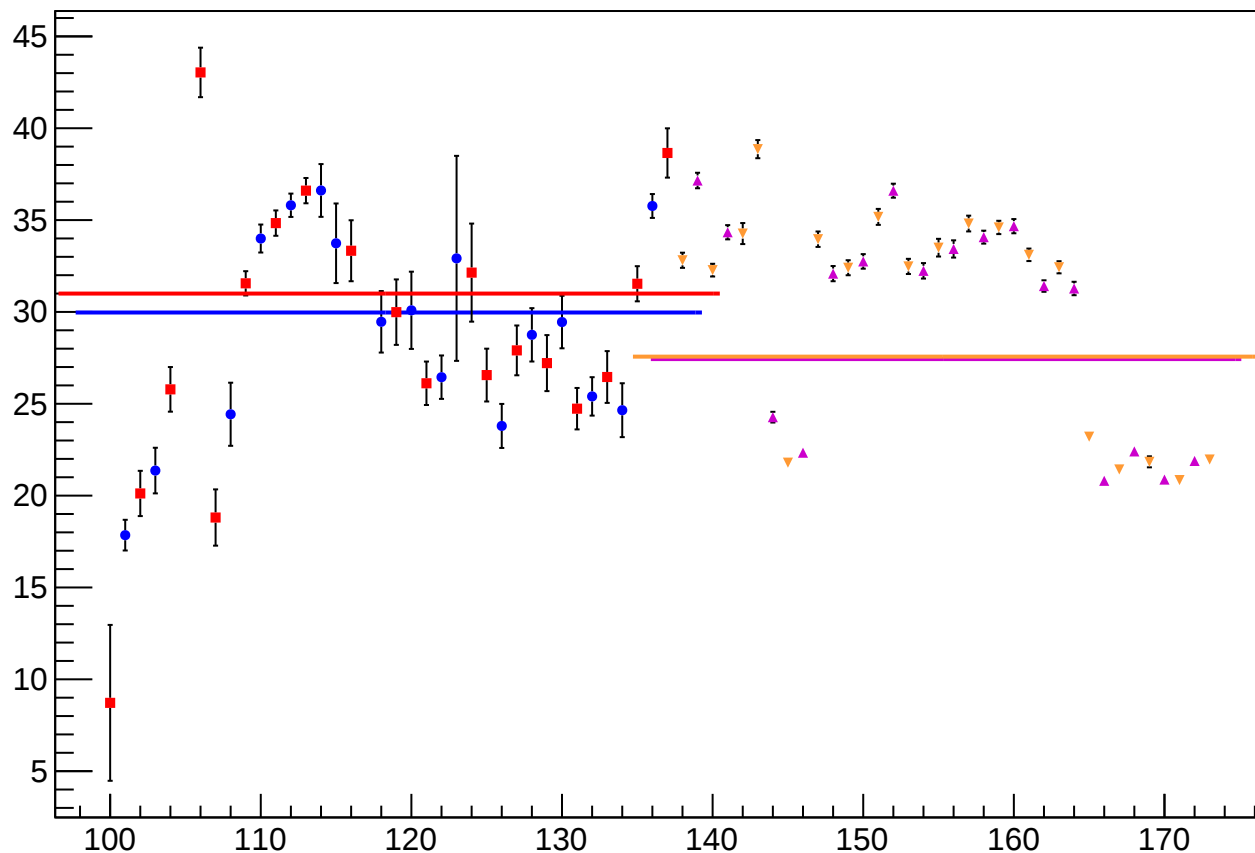
Right: -3.236 ± 0.109 χ^2/NDF : 446.1/35

In: -1.754 ± 0.055 χ^2/NDF : 590.5/33

Out: -1.881 ± 0.054 χ^2/NDF : 709.3/37

All: -1.820 ± 0.039 χ^2/NDF : 1302.5/71

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.969 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 27.566 $\pm$ 0.078 χ^2 /NDF: 5922.5/18

Right Out: 31.000 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 27.433 $\pm$ 0.080 χ^2 /NDF: 5542.9/16

Left: 27.501 $\pm$ 0.056 χ^2 /NDF: 11466.9/35

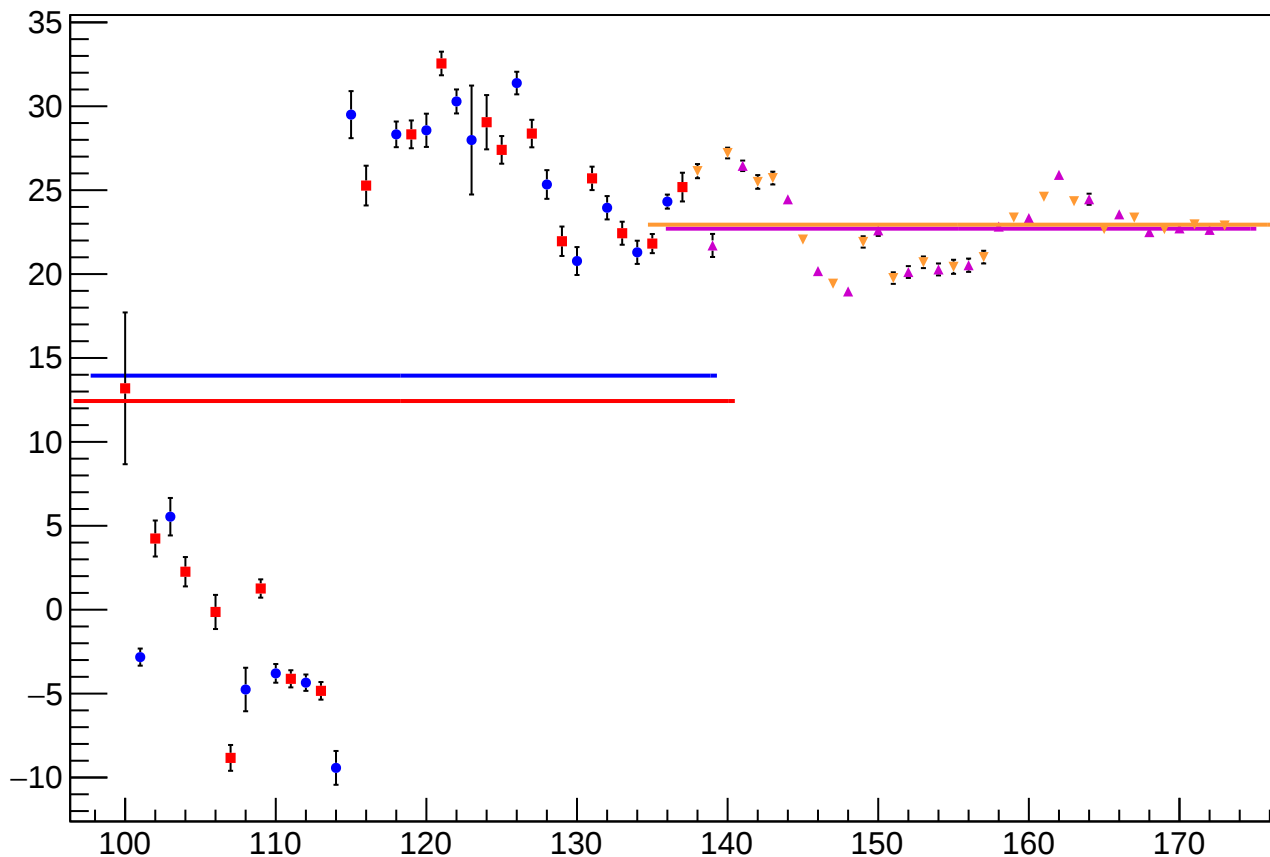
Right: 30.497 $\pm$ 0.186 χ^2 /NDF: 1041.5/35

In: 27.642 $\pm$ 0.077 χ^2 /NDF: 6180.2/33

Out: 27.852 $\pm$ 0.075 χ^2 /NDF: 6562.0/37

All: 27.749 $\pm$ 0.054 χ^2 /NDF: 12746.0/71

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.948 $\pm$ 0.172 χ^2 /NDF: 7391.9/16

Left Out: 22.945 $\pm$ 0.065 χ^2 /NDF:757.1/18

Right Out: 12.435 $\pm$ 0.174 χ^2 /NDF: 6962.9/18

Left In: 22.706 $\pm$ 0.068 χ^2 /NDF:807.8/16

Left: 22.830 $\pm$ 0.047 χ^2 /NDF: 1571.3/35

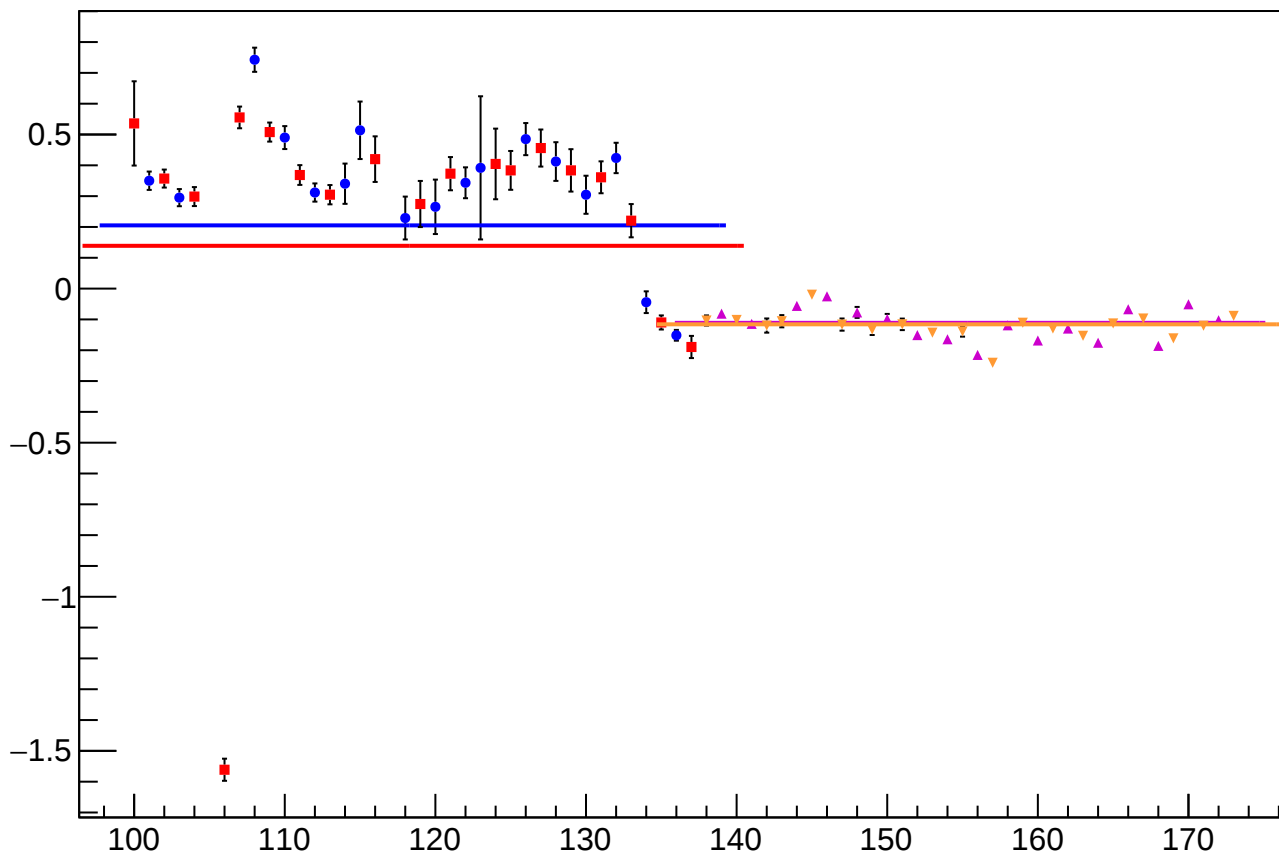
Right: 13.199 $\pm$ 0.122 χ^2 /NDF: 14393.1/35

In: 21.524 $\pm$ 0.063 χ^2 /NDF:10443.3/33

Out: 21.638 $\pm$ 0.061 χ^2 /NDF:10926.6/37

All: 21.583 $\pm$ 0.044 χ^2 /NDF: 21371.6/71

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 846.2/16

Left Out: -0.116 ± 0.003 χ^2/NDF : 209.0/18

Right Out: 0.139 ± 0.009 χ^2/NDF : 3016.8/18

Left In: -0.111 ± 0.003 χ^2/NDF : 285.5/16

Left: -0.114 ± 0.002 χ^2/NDF : 495.7/35

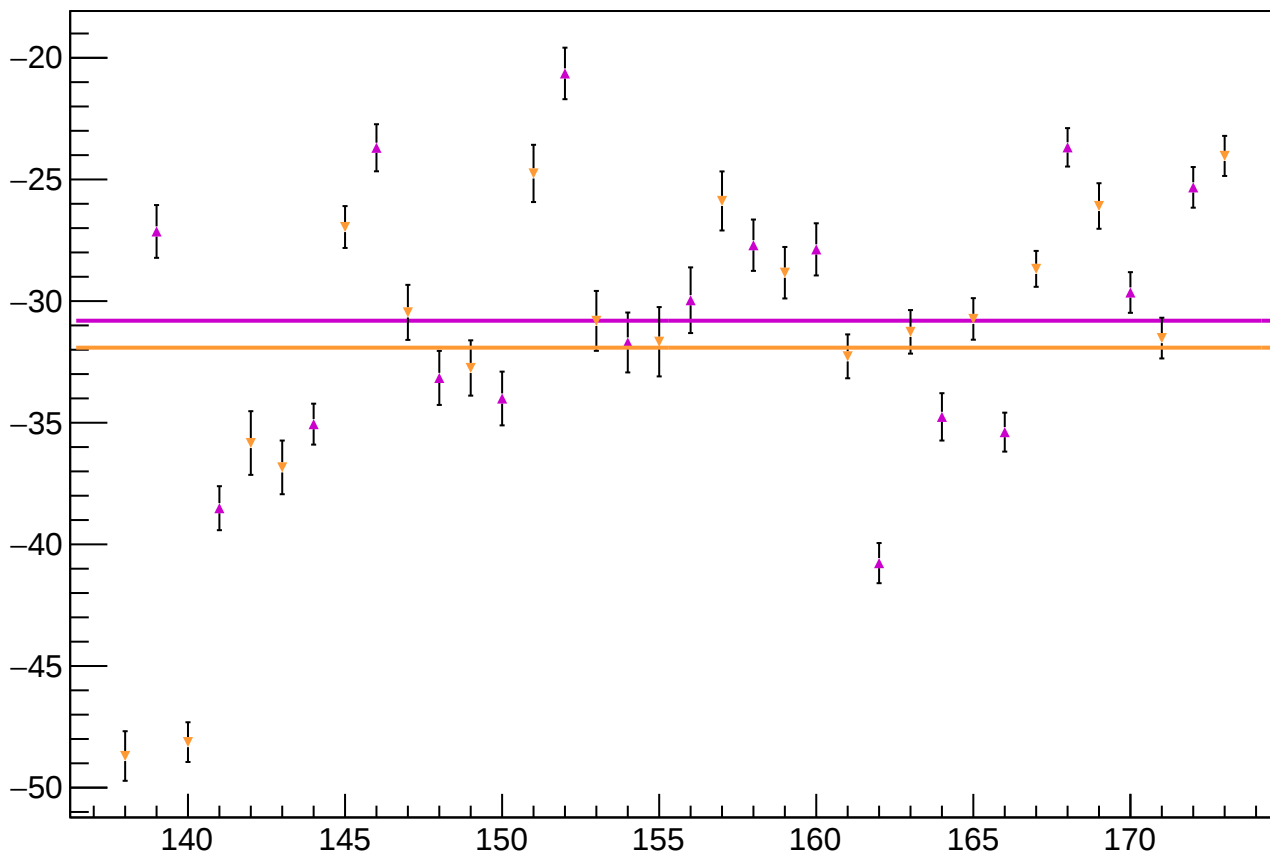
Right: 0.171 ± 0.007 χ^2/NDF : 3888.5/35

In: -0.079 ± 0.003 χ^2/NDF : 2159.0/33

Out: -0.091 ± 0.003 χ^2/NDF : 3918.9/37

All: -0.086 ± 0.002 χ^2/NDF : 6086.0/71

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: -31.914+/-0.224 χ^2/NDF : 953.2/18

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

Left In: -30.806+/-0.232 χ^2/NDF : 607.1/16

Left: -31.379+/-0.161 χ^2/NDF : 1572.1/35

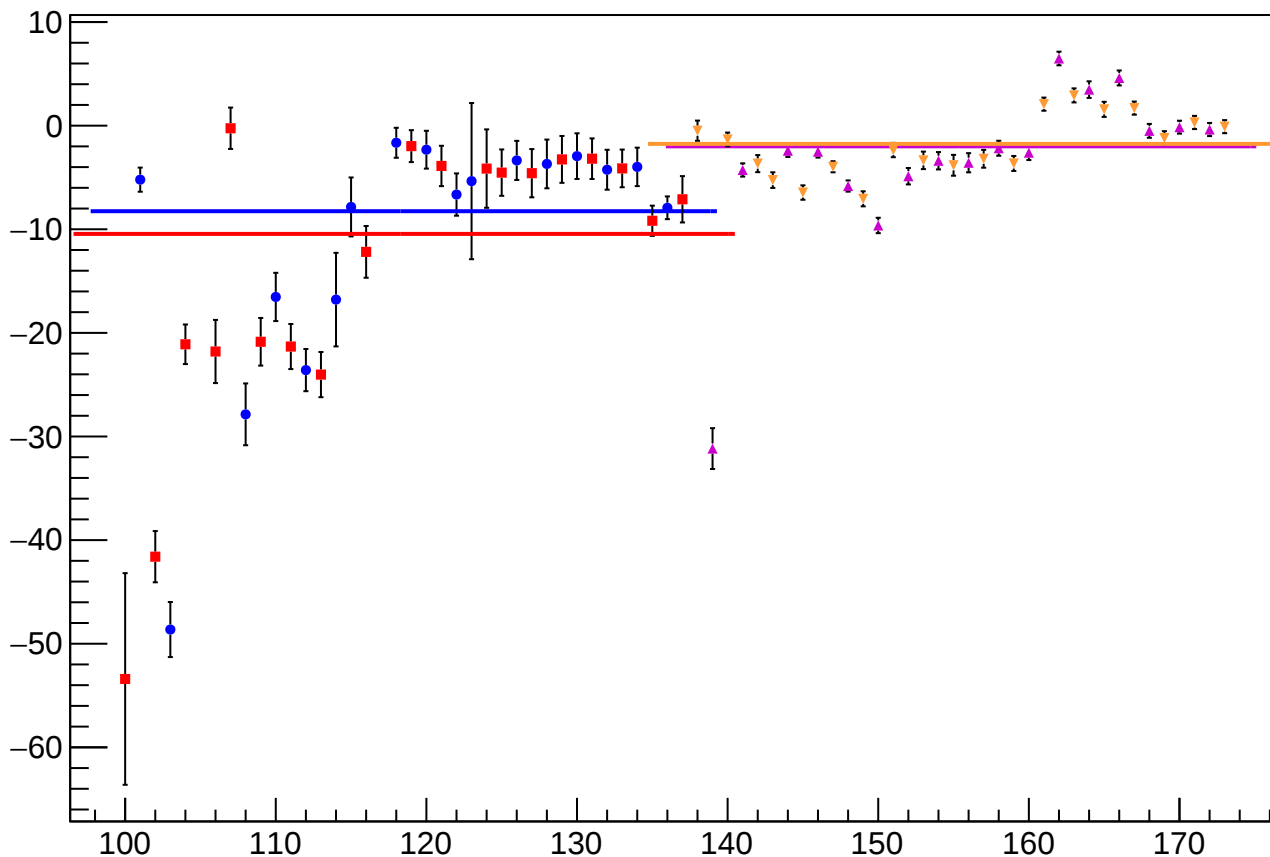
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.806+/-0.232 χ^2/NDF : 607.1/16

Out: -31.914+/-0.224 χ^2/NDF : 953.2/18

All: -31.379+/-0.161 χ^2/NDF : 1572.1/35

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.257 ± 0.462 $\chi^2/\text{NDF}: 412.1/16$

Left Out: -1.759 ± 0.162 $\chi^2/\text{NDF}: 315.8/18$

Right Out: -10.446 ± 0.491 $\chi^2/\text{NDF}: 428.4/18$

Left In: -1.994 ± 0.169 $\chi^2/\text{NDF}: 724.8/16$

Left: -1.871 ± 0.117 $\chi^2/\text{NDF}: 1041.7/35$

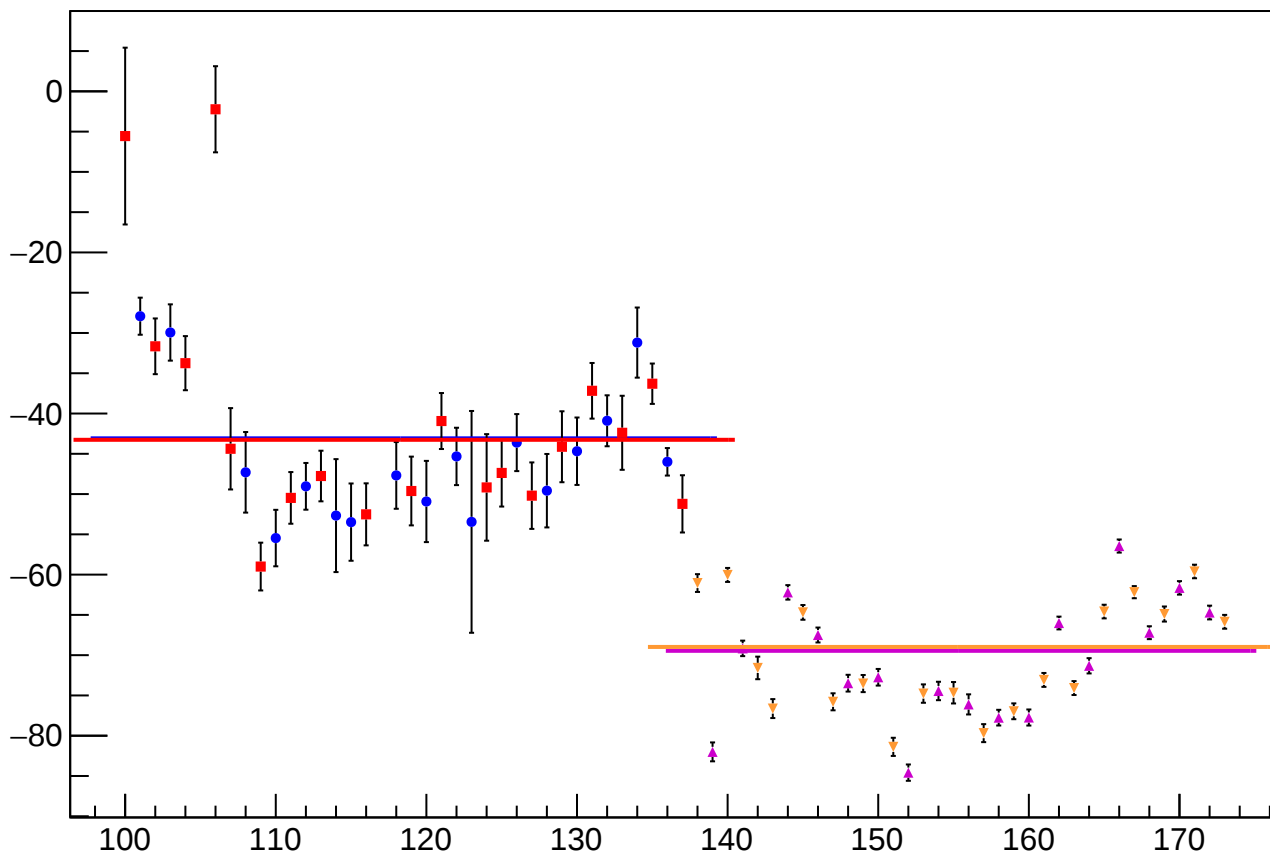
Right: -9.285 ± 0.337 $\chi^2/\text{NDF}: 851.1/35$

In: -2.734 ± 0.159 $\chi^2/\text{NDF}: 1298.9/33$

Out: -2.613 ± 0.154 $\chi^2/\text{NDF}: 1026.3/37$

All: -2.671 ± 0.111 $\chi^2/\text{NDF}: 2325.5/71$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

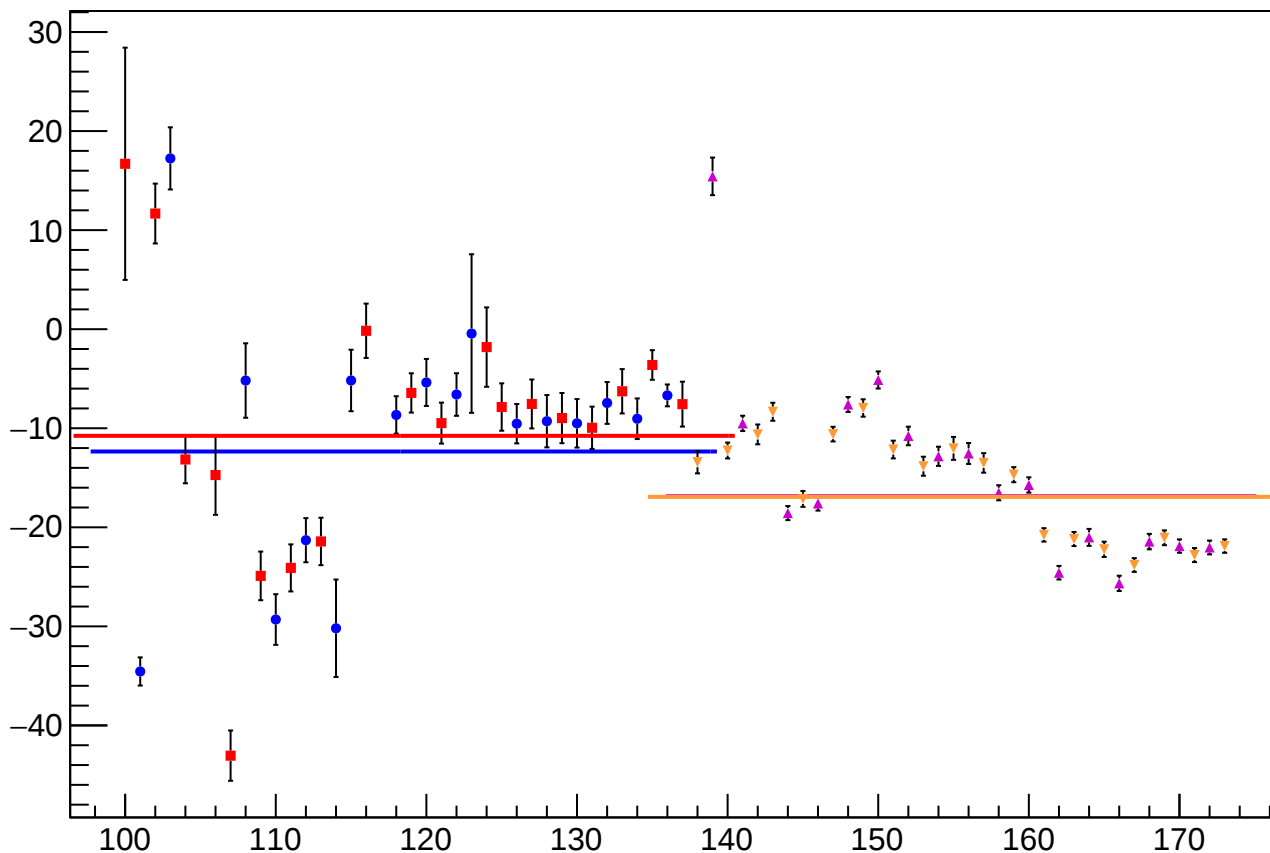


Right In: -43.082 ± 0.834 $\chi^2/\text{NDF}: 99.2/16$
 Left Out: -68.978 ± 0.223 $\chi^2/\text{NDF}: 929.4/18$
 Right Out: -43.262 ± 0.866 $\chi^2/\text{NDF}: 154.2/18$
 Left In: -69.459 ± 0.229 $\chi^2/\text{NDF}: 1024.4/16$

Left: -69.213 ± 0.160 $\chi^2/\text{NDF}: 1956.0/35$
 Right: -43.169 ± 0.601 $\chi^2/\text{NDF}: 253.4/35$
 In: -67.611 ± 0.221 $\chi^2/\text{NDF}: 2053.2/33$
 Out: -67.376 ± 0.216 $\chi^2/\text{NDF}: 1909.6/37$

All: -67.491 ± 0.155 $\chi^2/\text{NDF}: 3963.4/71$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.348 ± 0.520 χ^2/NDF : 475.9/16

Left Out: -16.921 ± 0.186 χ^2/NDF : 793.8/18

Right Out: -10.765 ± 0.554 χ^2/NDF : 366.6/18

Left In: -16.859 ± 0.194 χ^2/NDF : 1224.7/16

Left: -16.891 ± 0.134 χ^2/NDF : 2018.6/35

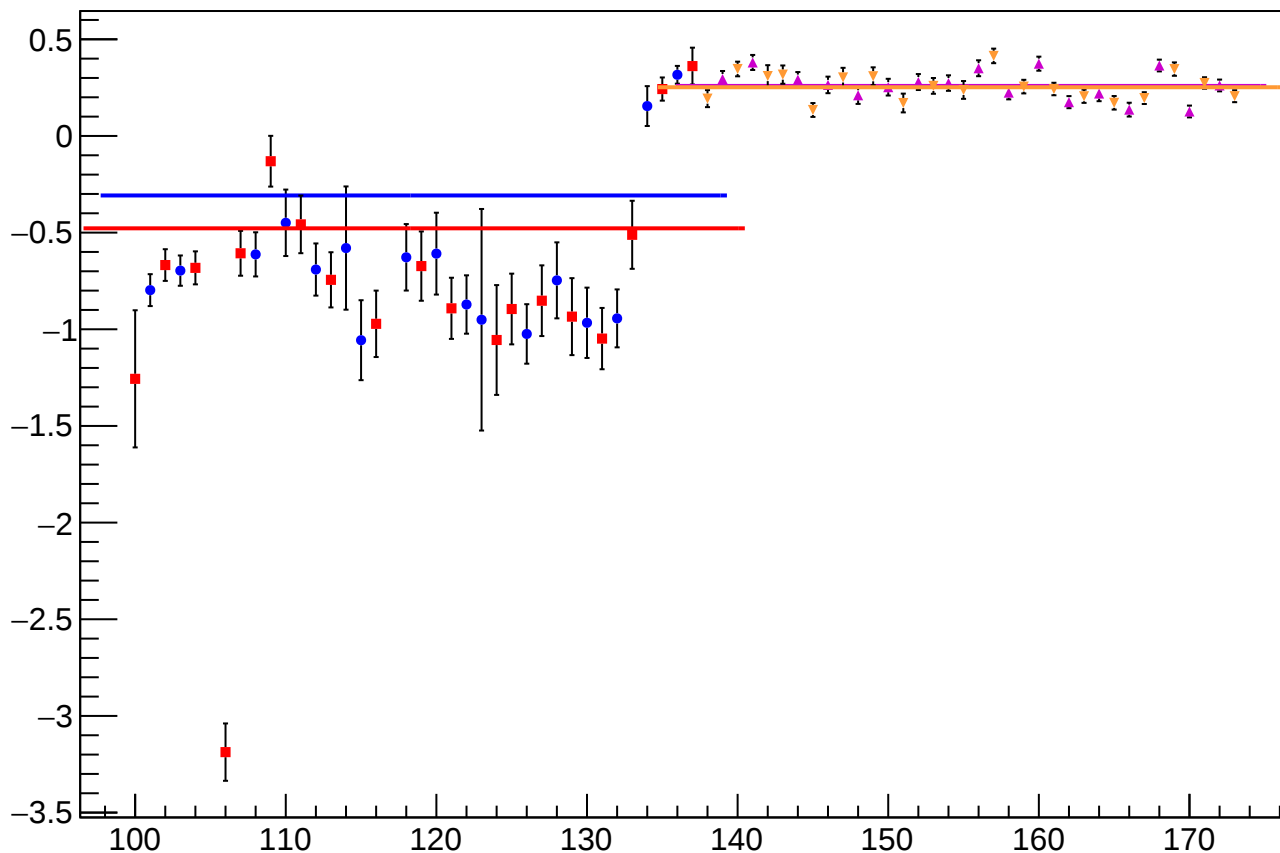
Right: -11.606 ± 0.379 χ^2/NDF : 846.9/35

In: -16.305 ± 0.182 χ^2/NDF : 1766.7/33

Out: -16.296 ± 0.176 χ^2/NDF : 1271.6/37

All: -16.301 ± 0.127 χ^2/NDF : 3038.3/71

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.308 ± 0.028 χ^2/NDF : 372.4/16

Left Out: 0.252 ± 0.009 χ^2/NDF : 66.4/18

Right Out: -0.478 ± 0.029 χ^2/NDF : 631.2/18

Left In: 0.259 ± 0.009 χ^2/NDF : 79.3/16

Left: 0.255 ± 0.006 χ^2/NDF : 146.0/35

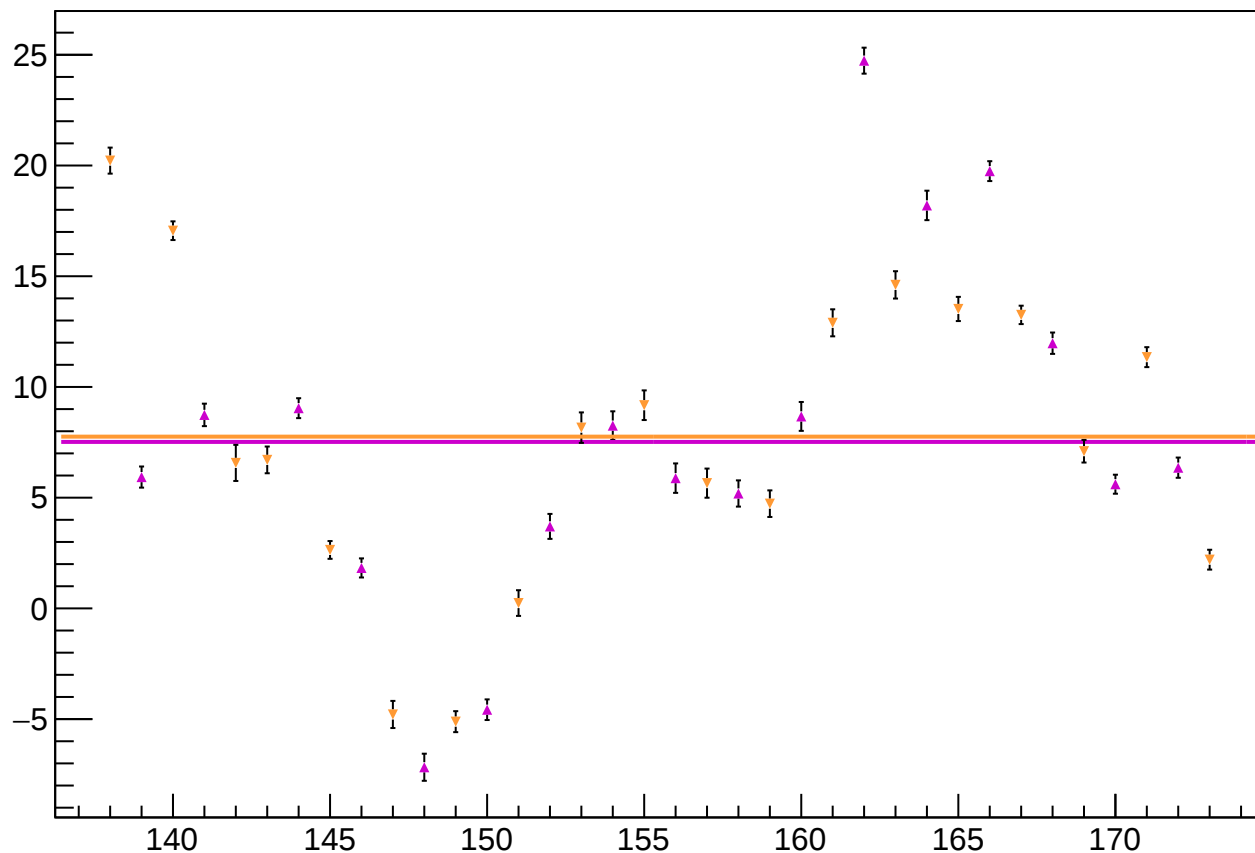
Right: -0.390 ± 0.020 χ^2/NDF : 1022.0/35

In: 0.205 ± 0.009 χ^2/NDF : 835.3/33

Out: 0.190 ± 0.008 χ^2/NDF : 1296.6/37

All: 0.197 ± 0.006 χ^2/NDF : 2133.3/71

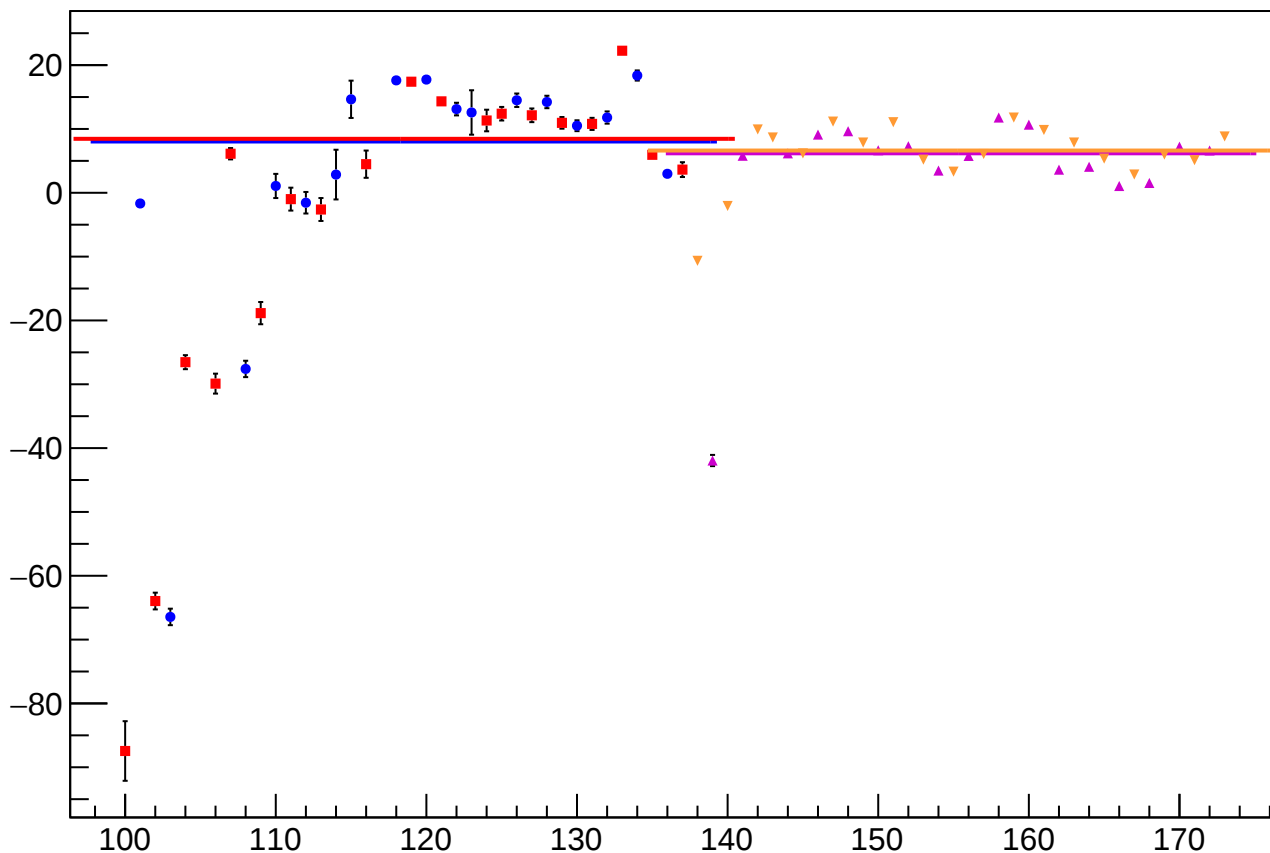
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.756+/-0.122 χ^2/NDF :3168.9/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.518+/-0.125 χ^2/NDF :3497.7/16

Left: 7.640+/-0.088 χ^2/NDF : 6668.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.518+/-0.125 χ^2/NDF :3497.7/16
 Out: 7.756+/-0.122 χ^2/NDF :3168.9/18
 All: 7.640+/-0.088 χ^2/NDF : 6668.5/35

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.036 ± 0.215 χ^2/NDF : 5369.4/16

Left Out: 6.619 ± 0.089 χ^2/NDF : 2405.0/18

Right Out: 8.454 ± 0.213 χ^2/NDF : 6704.4/18

Left In: 6.185 ± 0.092 χ^2/NDF : 3927.7/16

Left: 6.410 ± 0.064 χ^2/NDF : 6344.2/35

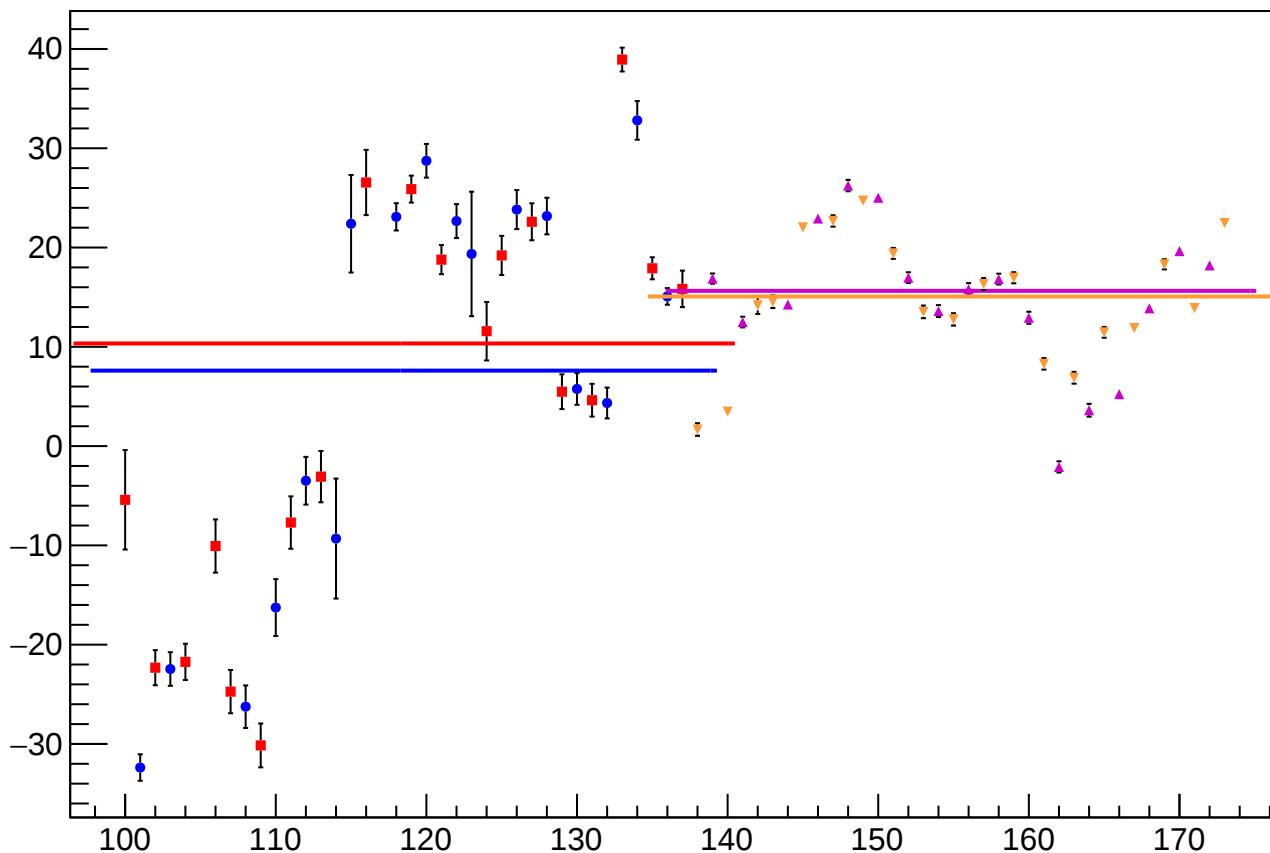
Right: 8.247 ± 0.151 χ^2/NDF : 12075.7/35

In: 6.473 ± 0.085 χ^2/NDF : 9359.6/33

Out: 6.890 ± 0.082 χ^2/NDF : 9172.5/37

All: 6.689 ± 0.059 χ^2/NDF : 18544.7/71

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.604 ± 0.416 χ^2/NDF : 2325.0/16

Left Out: 15.069 ± 0.122 χ^2/NDF : 2850.2/18

Right Out: 10.337 ± 0.416 χ^2/NDF : 2281.8/18

Left In: 15.638 ± 0.124 χ^2/NDF : 3181.4/16

Left: 15.349 ± 0.087 χ^2/NDF : 6042.3/35

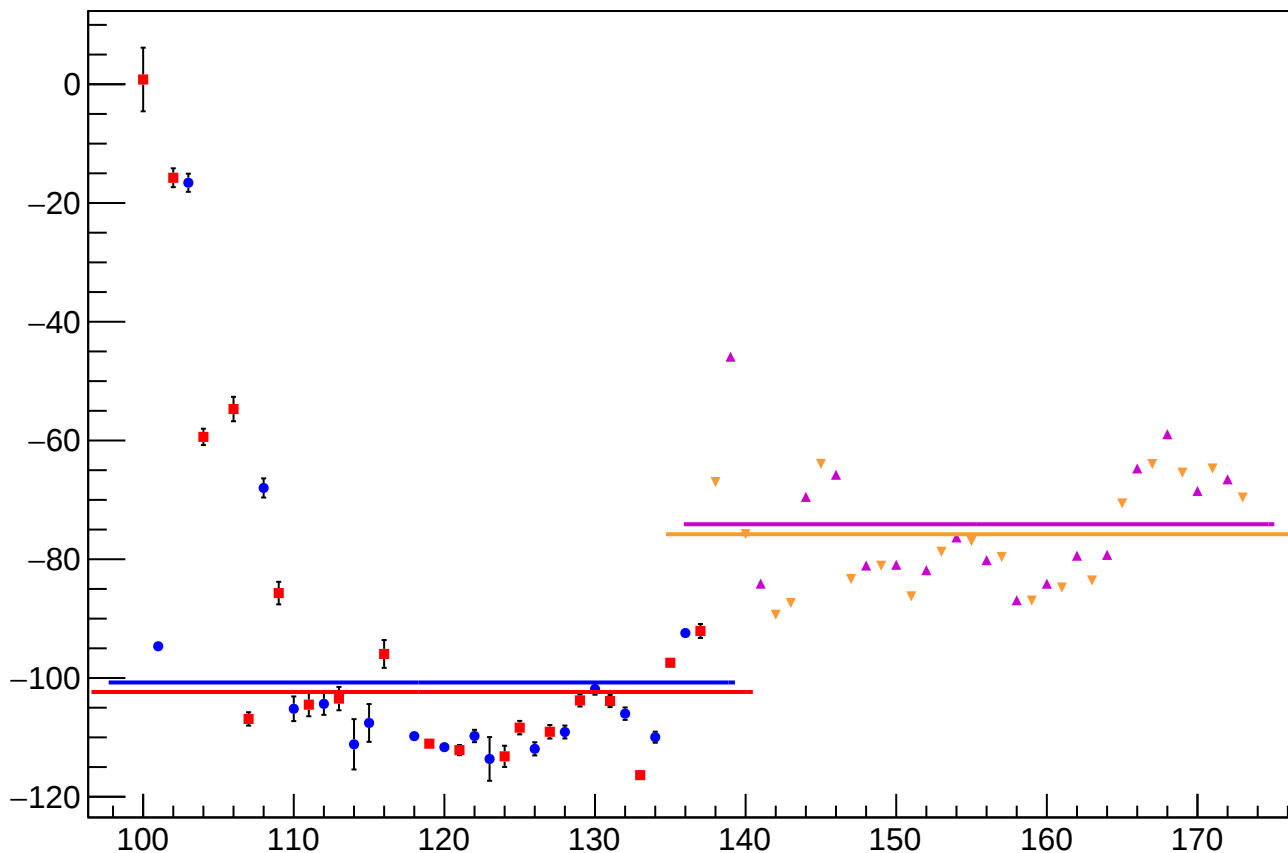
Right: 8.969 ± 0.294 χ^2/NDF : 4628.4/35

In: 14.982 ± 0.119 χ^2/NDF : 5849.3/33

Out: 14.694 ± 0.117 χ^2/NDF : 5250.9/37

All: 14.836 ± 0.083 χ^2/NDF : 11103.2/71

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.753 ± 0.248 $\chi^2/\text{NDF}: 4522.6/16$

Left Out: -75.789 ± 0.102 $\chi^2/\text{NDF}: 7455.7/18$

Right Out: -102.354 ± 0.246 $\chi^2/\text{NDF}: 6078.9/18$

Left In: -74.105 ± 0.106 $\chi^2/\text{NDF}: 7054.4/16$

Left: -74.979 ± 0.074 $\chi^2/\text{NDF}: 14640.4/35$

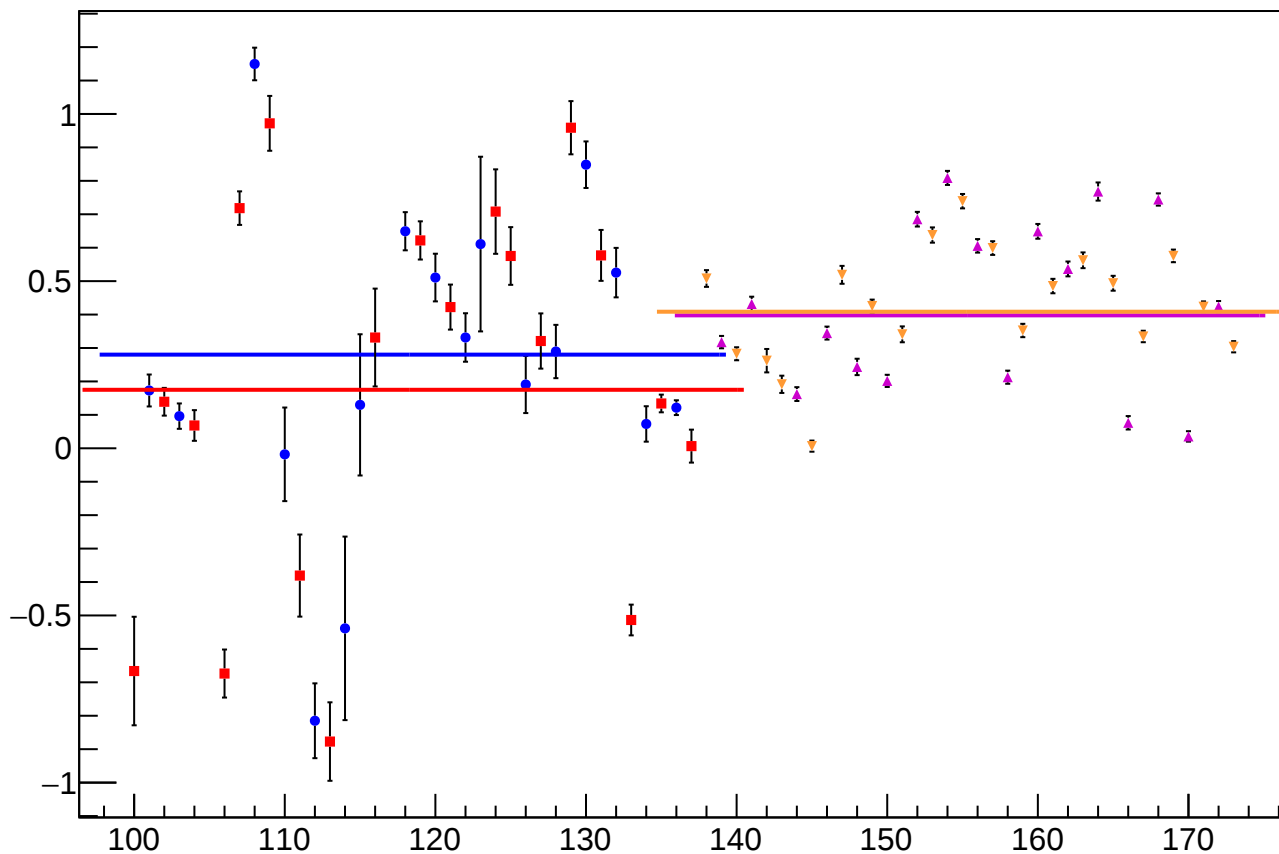
Right: -101.559 ± 0.175 $\chi^2/\text{NDF}: 10622.5/35$

In: -78.242 ± 0.098 $\chi^2/\text{NDF}: 21329.6/33$

Out: -79.705 ± 0.095 $\chi^2/\text{NDF}: 23458.6/37$

All: -78.998 ± 0.068 $\chi^2/\text{NDF}: 44903.9/71$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.280 ± 0.013 χ^2/NDF : 656.0/16

Left Out: 0.409 ± 0.005 χ^2/NDF : 1390.8/18

Right Out: 0.175 ± 0.013 χ^2/NDF : 966.7/18

Left In: 0.398 ± 0.005 χ^2/NDF : 2563.8/16

Left: 0.403 ± 0.003 χ^2/NDF : 3957.2/35

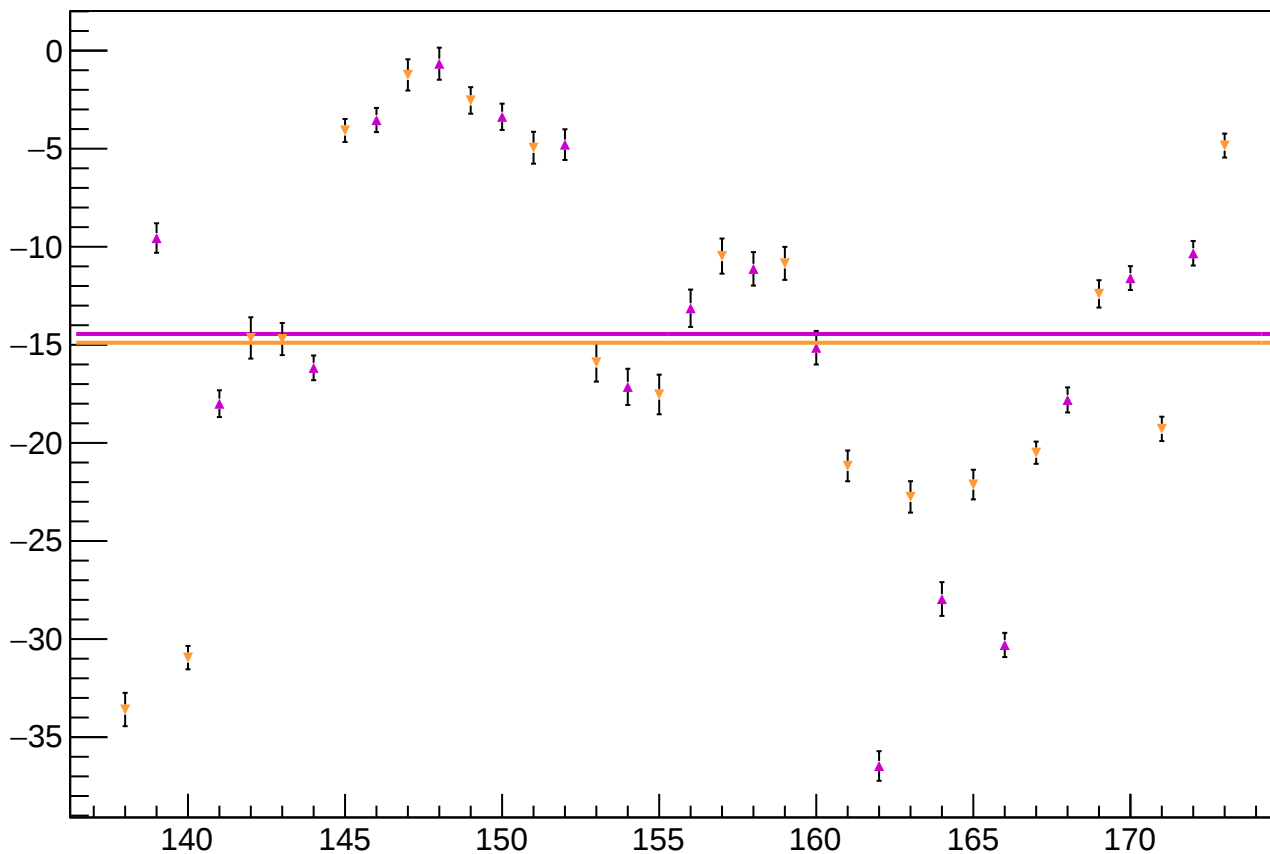
Right: 0.227 ± 0.010 χ^2/NDF : 1653.2/35

In: 0.384 ± 0.005 χ^2/NDF : 3287.2/33

Out: 0.383 ± 0.004 χ^2/NDF : 2626.0/37

All: 0.383 ± 0.003 χ^2/NDF : 5913.2/71

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



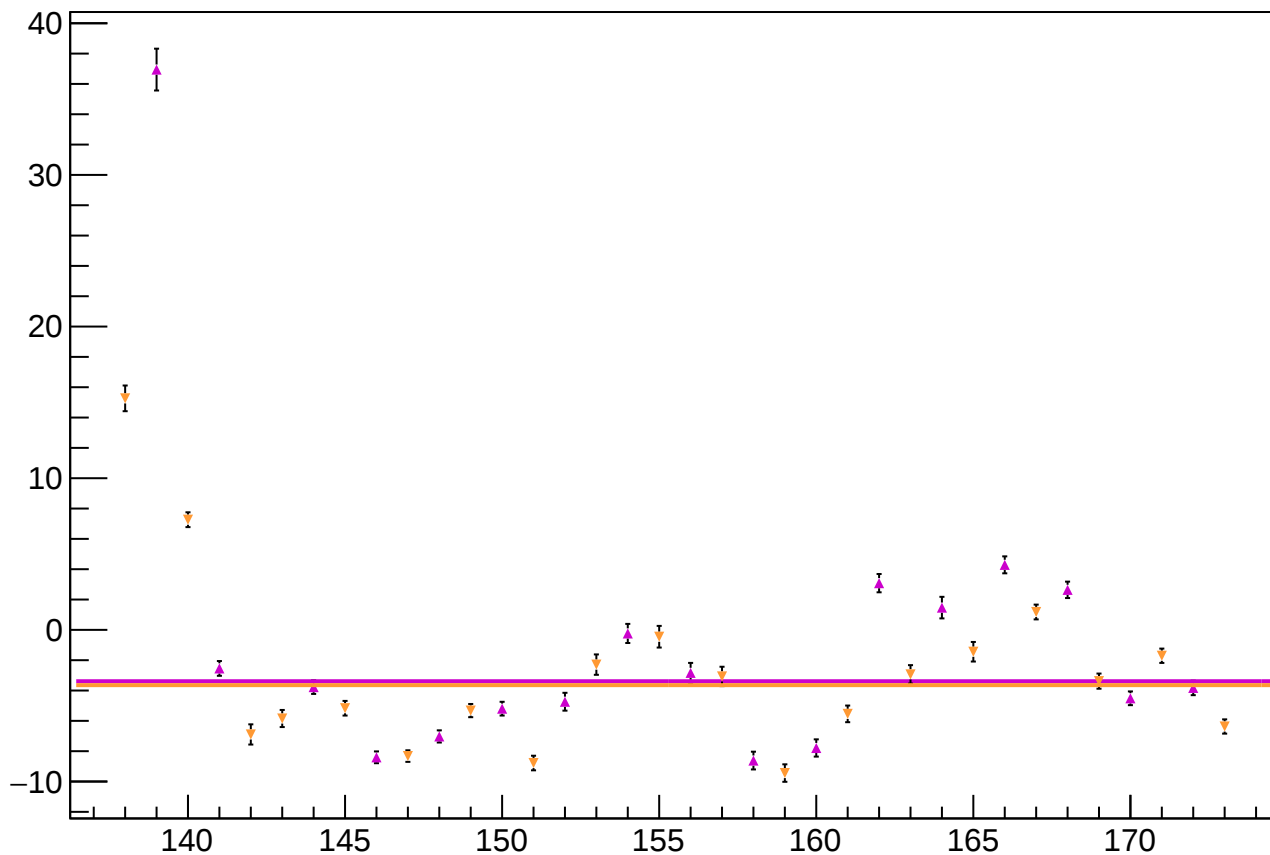
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -14.894 $\pm$ 0.169 χ^2 /NDF:3064.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -14.446 $\pm$ 0.174 χ^2 /NDF:2975.7/16

Left: -14.677 $\pm$ 0.122 χ^2 /NDF: 6043.7/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -14.446 $\pm$ 0.174 χ^2 /NDF:2975.7/16
 Out: -14.894 $\pm$ 0.169 χ^2 /NDF:3064.6/18

All: -14.677 $\pm$ 0.122 χ^2 /NDF: 6043.7/35

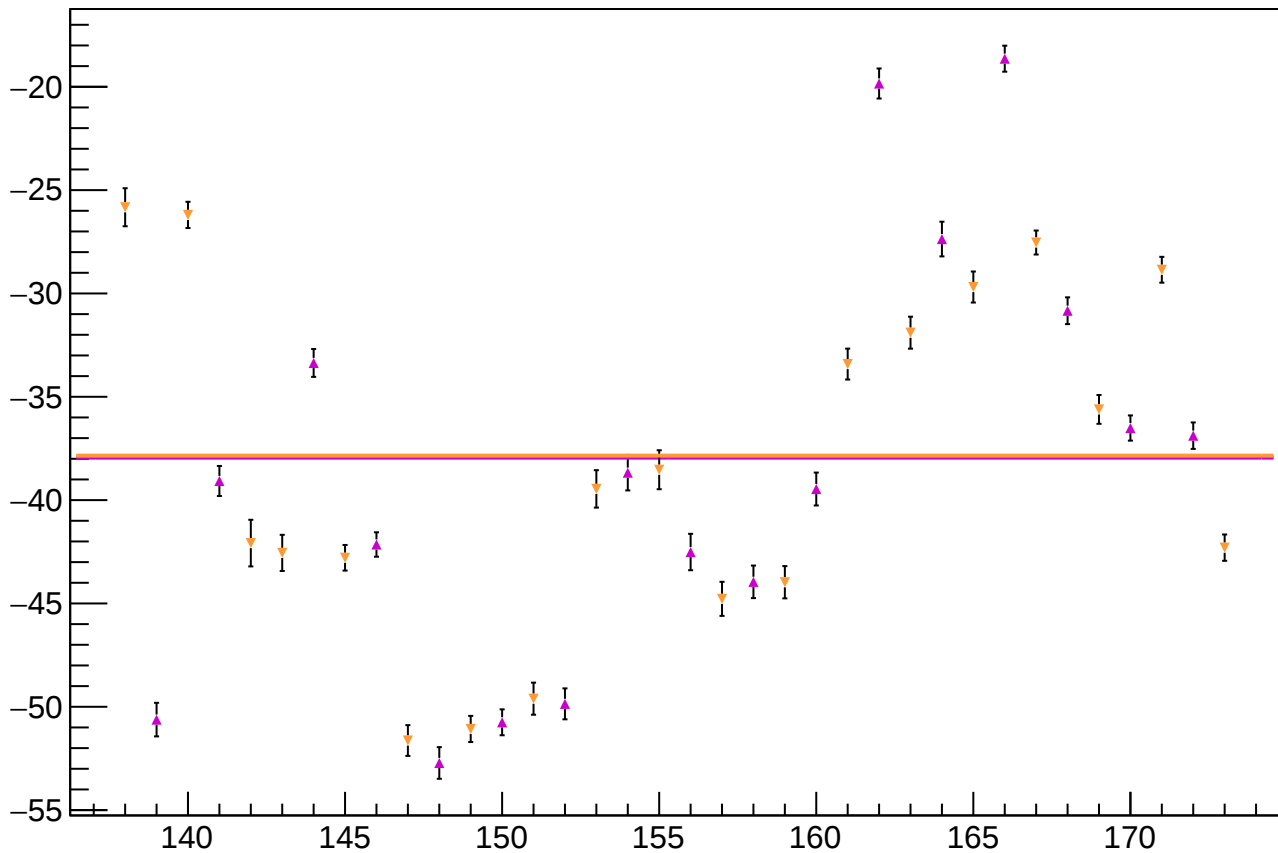
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -3.645 $\pm$ 0.122 χ^2 /NDF:1624.0/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.387 $\pm$ 0.127 χ^2 /NDF:1774.7/16

Left: -3.522 $\pm$ 0.088 χ^2 /NDF: 3400.9/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -3.387 $\pm$ 0.127 χ^2 /NDF:1774.7/16
 Out: -3.645 $\pm$ 0.122 χ^2 /NDF:1624.0/18
 All: -3.522 $\pm$ 0.088 χ^2 /NDF: 3400.9/35

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -37.847+/-0.169 χ^2/NDF :2553.7/18

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

Left In: -37.943+/-0.172 χ^2/NDF :3323.7/16

Left: -37.894+/-0.121 χ^2/NDF : 5877.5/35

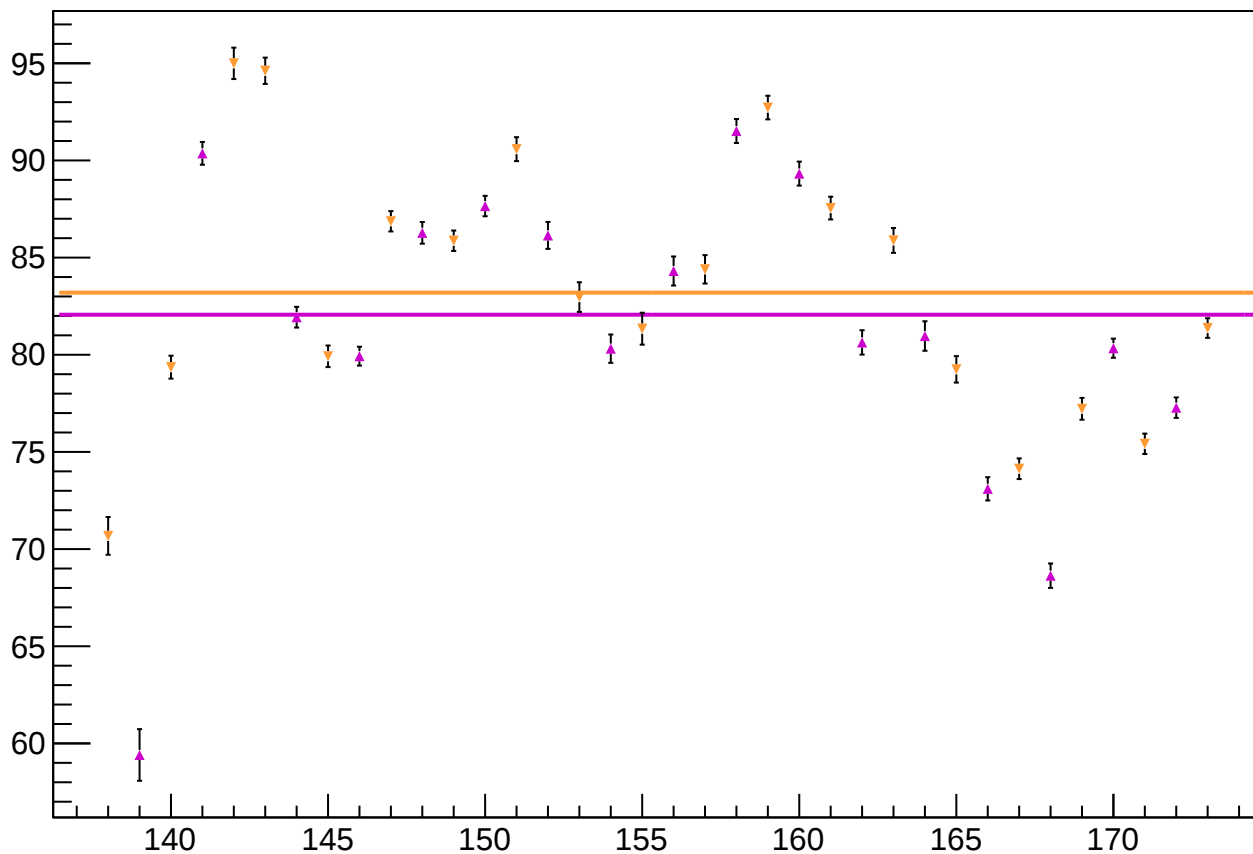
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.943+/-0.172 χ^2/NDF :3323.7/16

Out: -37.847+/-0.169 χ^2/NDF :2553.7/18

All: -37.894+/-0.121 χ^2/NDF : 5877.5/35

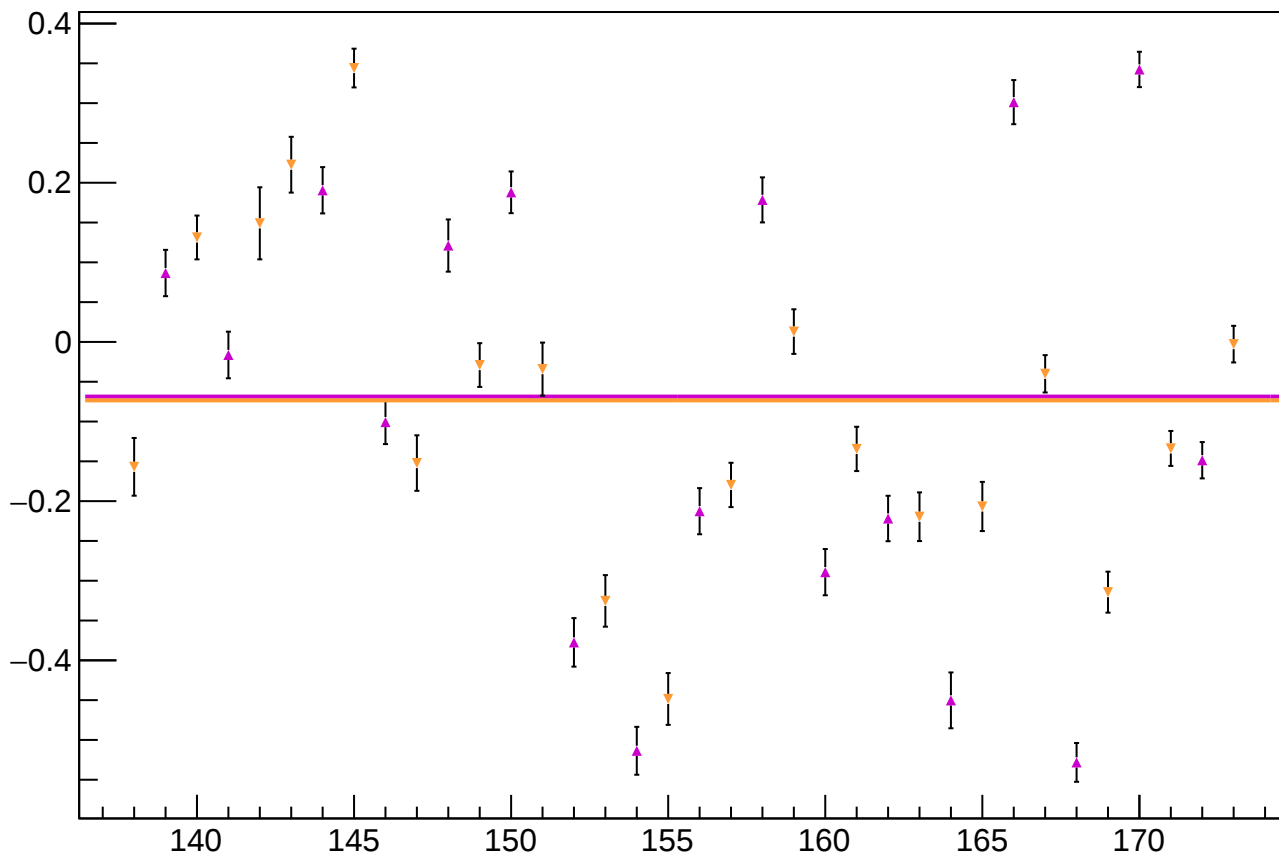
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 83.196+/-0.141 χ^2/NDF :1957.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 82.061+/-0.147 χ^2/NDF :1884.5/16

Left: 82.652+/-0.102 χ^2/NDF : 3872.7/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 82.061+/-0.147 χ^2/NDF :1884.5/16
 Out: 83.196+/-0.141 χ^2/NDF :1957.0/18
 All: 82.652+/-0.102 χ^2/NDF : 3872.7/35

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.073+/-0.007 χ^2/NDF :829.7/18

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

Left In: -0.069+/-0.007 χ^2/NDF :1757.4/16

Left: -0.071+/-0.005 χ^2/NDF : 2587.4/35

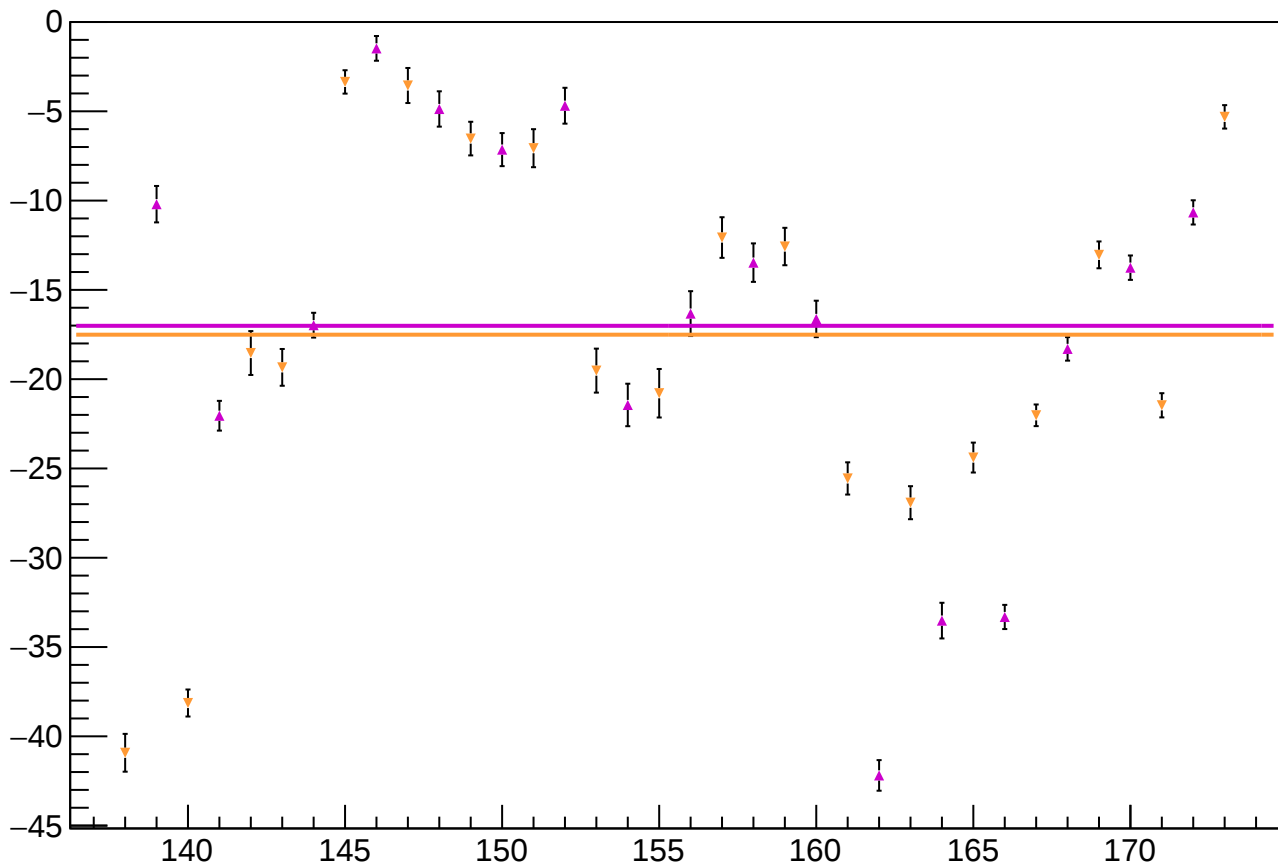
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.069+/-0.007 χ^2/NDF :1757.4/16

Out: -0.073+/-0.007 χ^2/NDF :829.7/18

All: -0.071+/-0.005 χ^2/NDF : 2587.4/35

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: -17.509+/-0.199 χ^2/NDF :2911.1/18

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

Left In: -17.012+/-0.204 χ^2/NDF :2854.9/16

Left: -17.267+/-0.142 χ^2/NDF : 5769.1/35

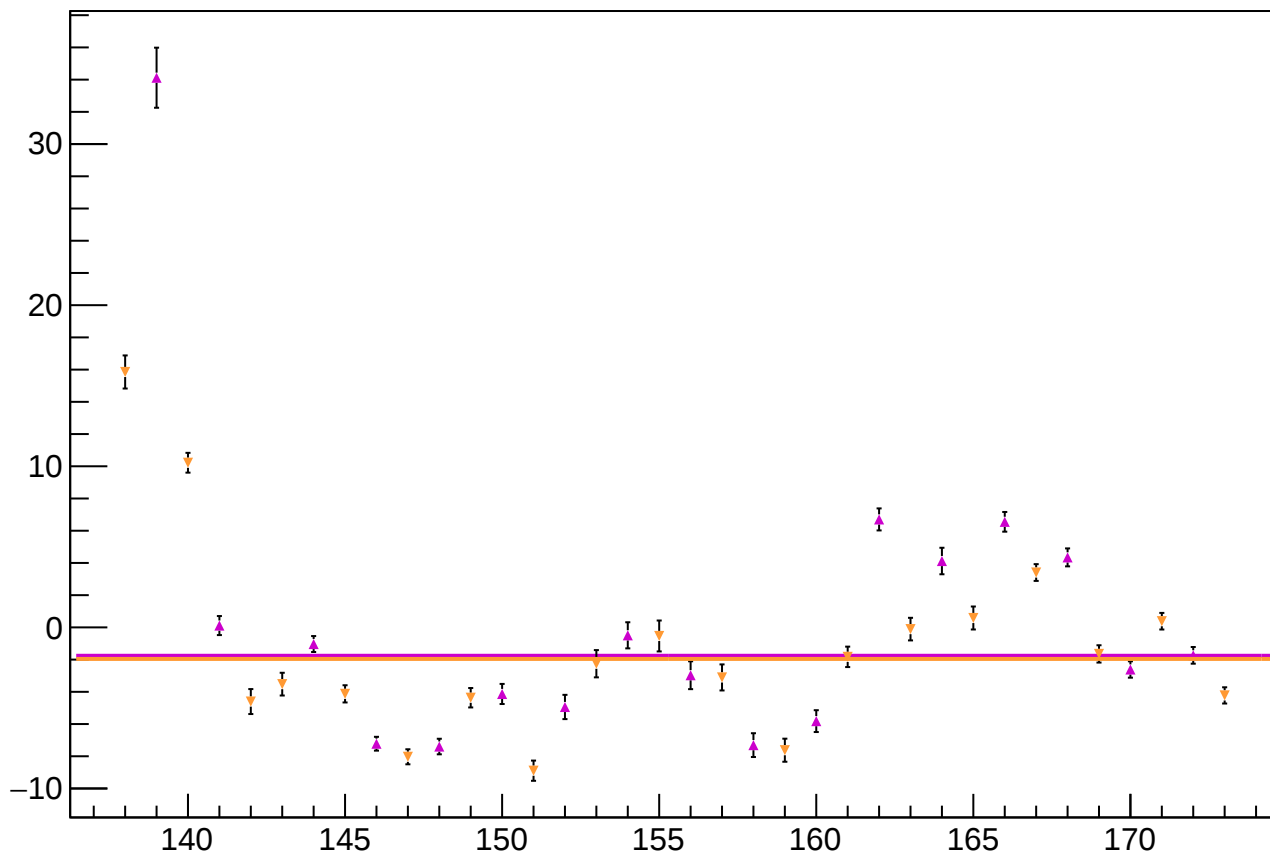
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.012+/-0.204 χ^2/NDF :2854.9/16

Out: -17.509+/-0.199 χ^2/NDF :2911.1/18

All: -17.267+/-0.142 χ^2/NDF : 5769.1/35

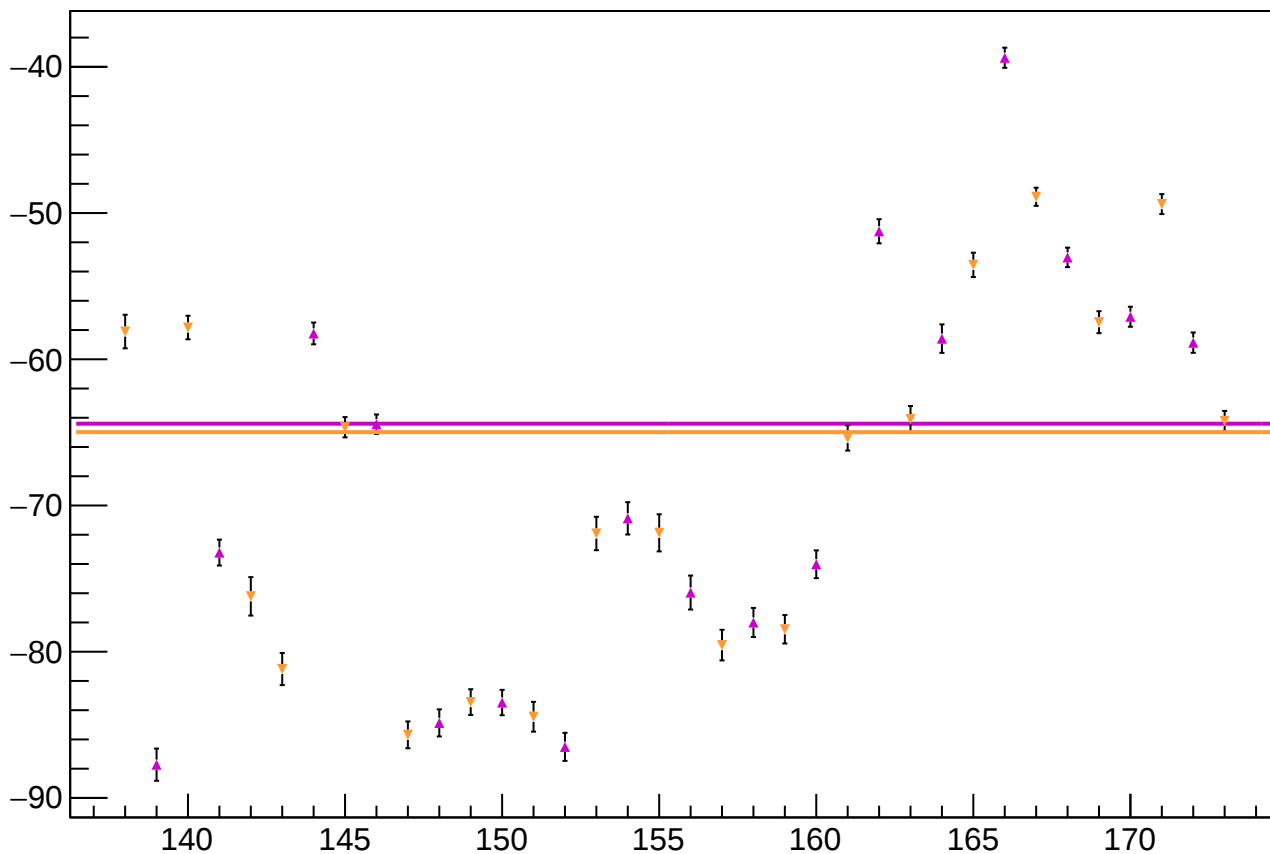
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.958+/-0.144 χ^2/NDF :1268.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.763+/-0.149 χ^2/NDF :1321.8/16

Left: -1.863+/-0.104 χ^2/NDF : 2591.3/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.763+/-0.149 χ^2/NDF :1321.8/16
 Out: -1.958+/-0.144 χ^2/NDF :1268.5/18
 All: -1.863+/-0.104 χ^2/NDF : 2591.3/35

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: -64.981+/-0.199 χ^2/NDF :3659.5/18

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

Left In: -64.404+/-0.202 χ^2/NDF :4614.9/16

Left: -64.697+/-0.142 χ^2/NDF : 8278.5/35

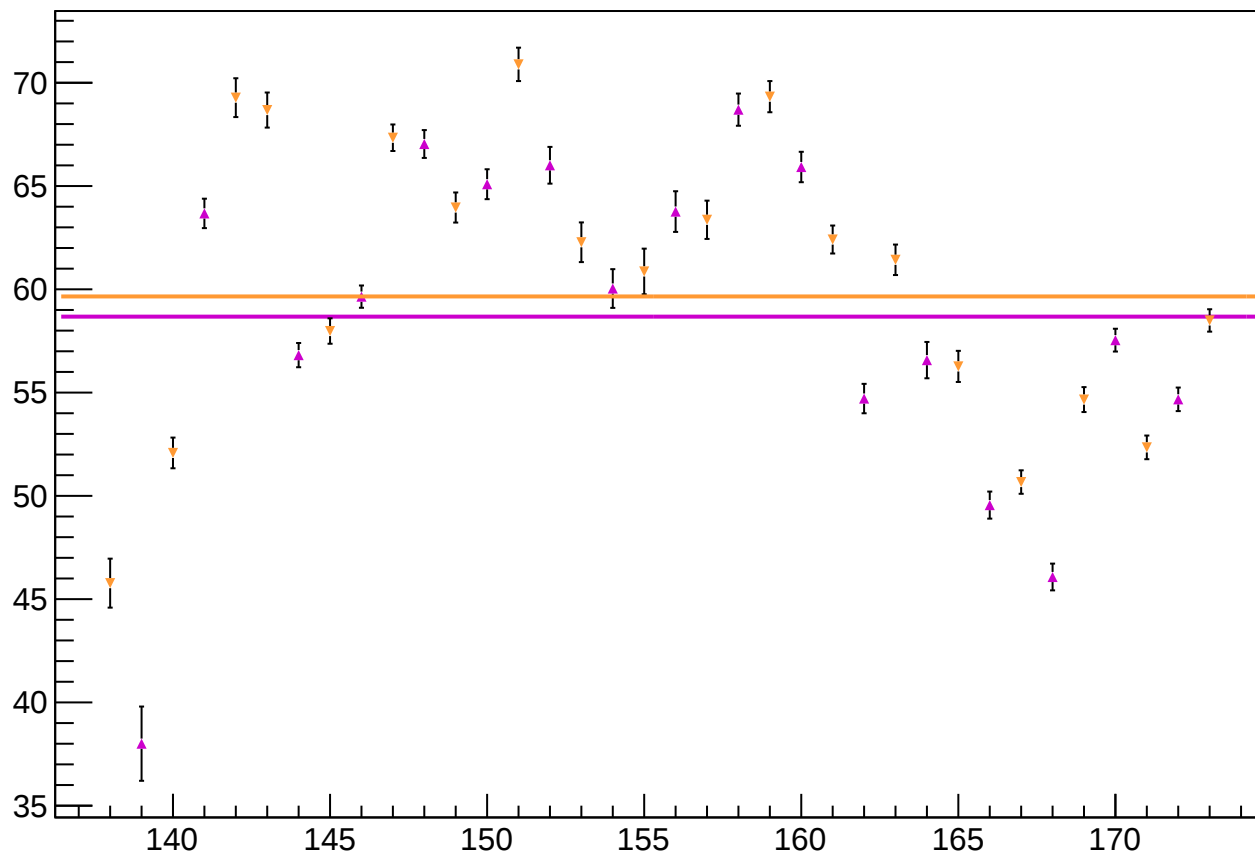
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -64.404+/-0.202 χ^2/NDF :4614.9/16

Out: -64.981+/-0.199 χ^2/NDF :3659.5/18

All: -64.697+/-0.142 χ^2/NDF : 8278.5/35

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 59.654+/-0.166 χ^2/NDF :1554.7/18

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

Left In: 58.677+/-0.172 χ^2/NDF :1448.7/16

Left: 59.183+/-0.119 χ^2/NDF : 3020.2/35

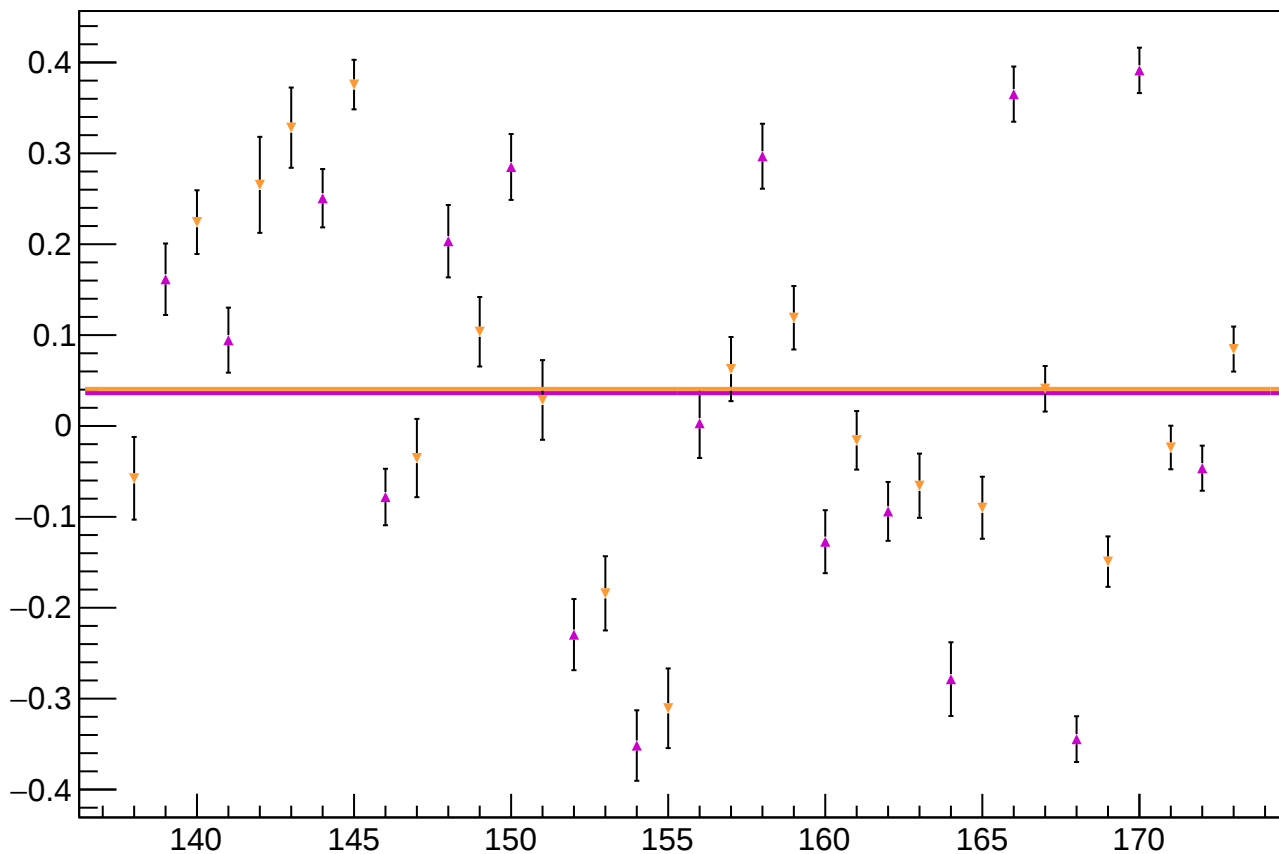
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 58.677+/-0.172 χ^2/NDF :1448.7/16

Out: 59.654+/-0.166 χ^2/NDF :1554.7/18

All: 59.183+/-0.119 χ^2/NDF : 3020.2/35

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.041 $\pm$ 0.008 χ^2 /NDF:433.5/18

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

Left In: 0.036 $\pm$ 0.008 χ^2 /NDF:993.3/16

Left: 0.039 $\pm$ 0.006 χ^2 /NDF: 1427.0/35

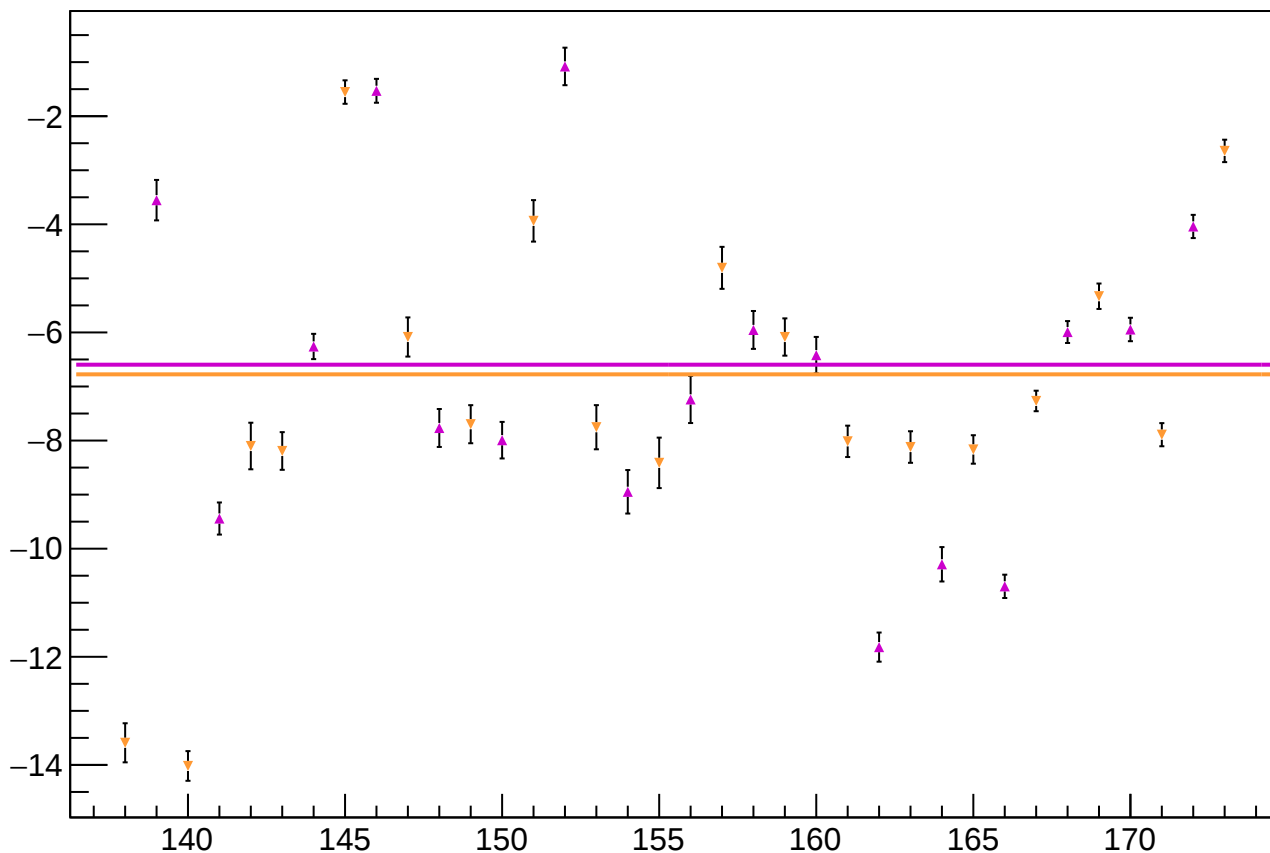
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.036 $\pm$ 0.008 χ^2 /NDF:993.3/16

Out: 0.041 $\pm$ 0.008 χ^2 /NDF:433.5/18

All: 0.039 $\pm$ 0.006 χ^2 /NDF: 1427.0/35

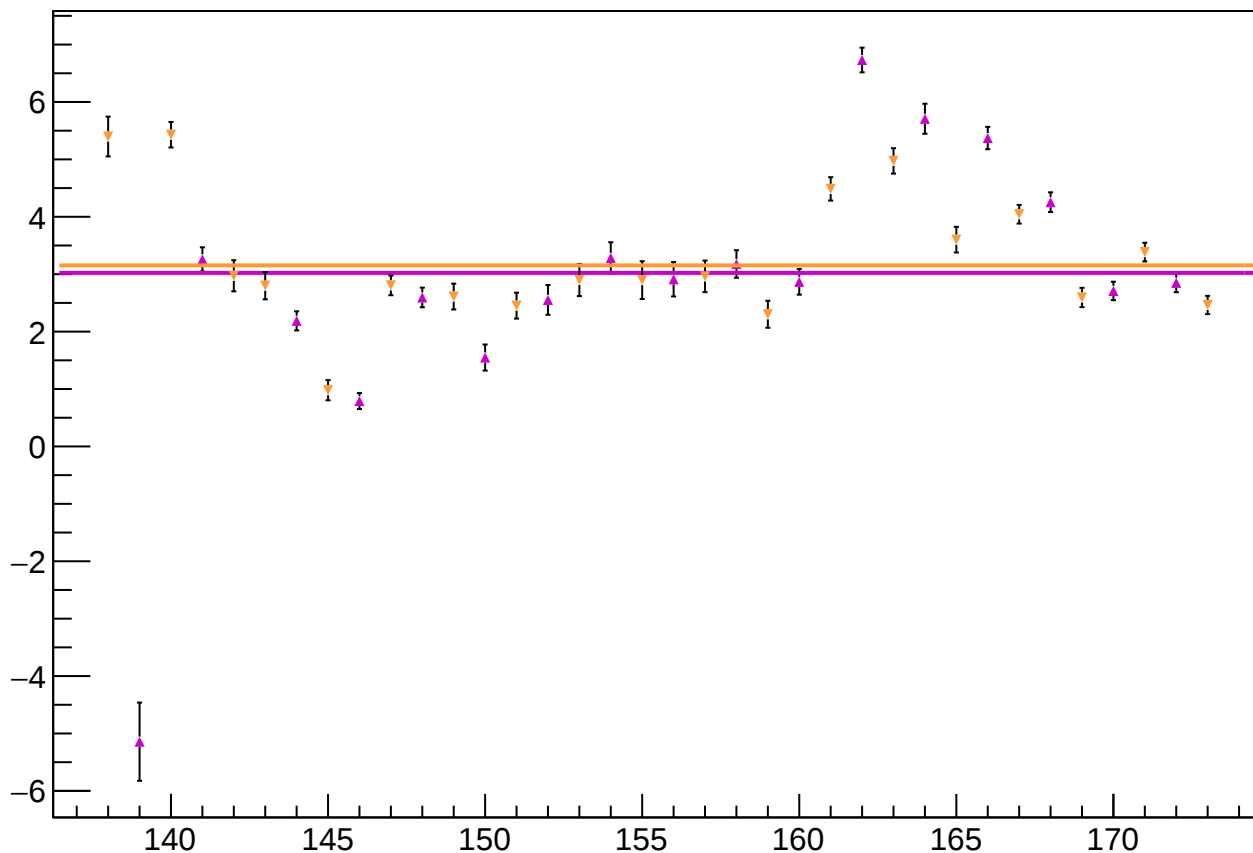
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.775+/-0.066 χ^2/NDF :2305.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.597+/-0.067 χ^2/NDF :2038.2/16

Left: -6.688+/-0.047 χ^2/NDF : 4347.1/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.597+/-0.067 χ^2/NDF :2038.2/16
 Out: -6.775+/-0.066 χ^2/NDF :2305.2/18
 All: -6.688+/-0.047 χ^2/NDF : 4347.1/35

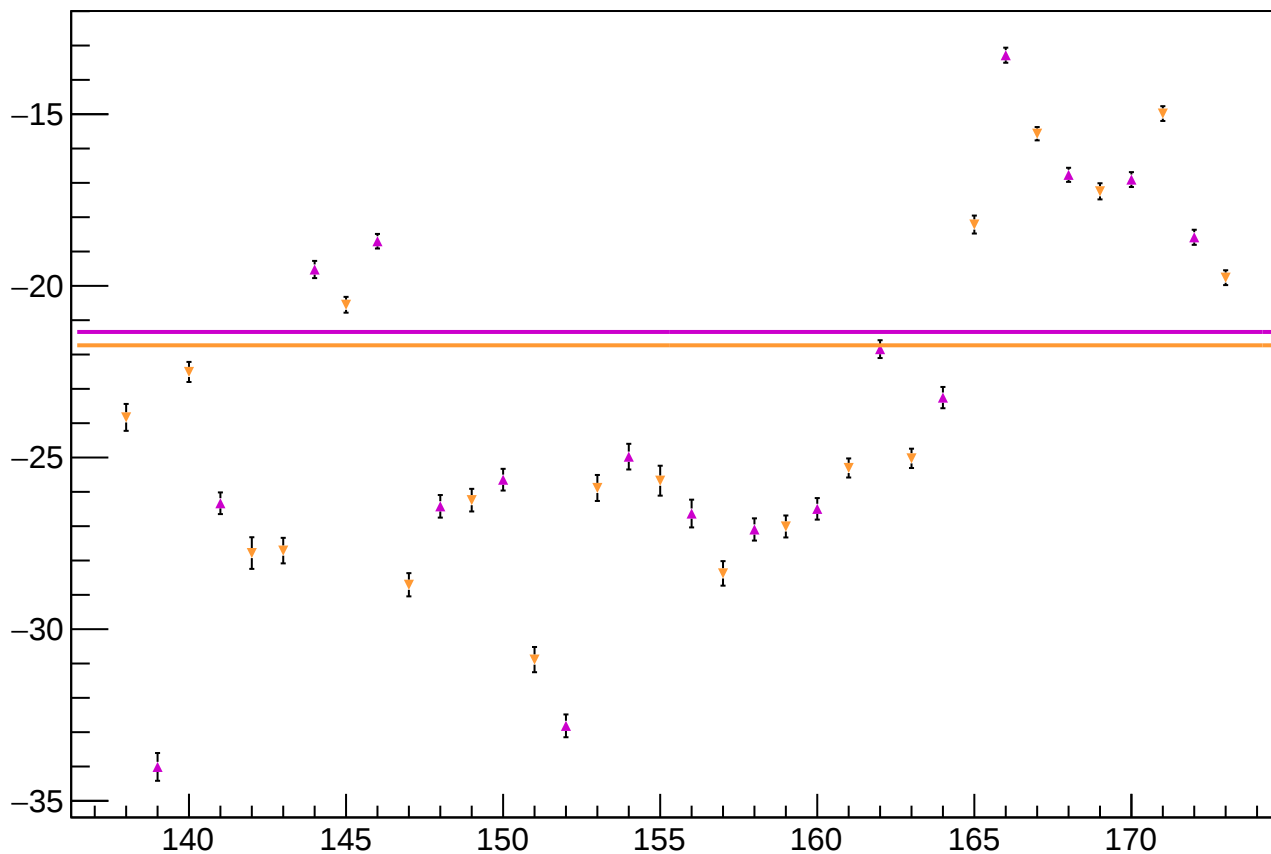
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 3.153 $\pm$ 0.048 χ^2/NDF :512.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 3.023 $\pm$ 0.049 χ^2/NDF :1085.9/16

Left: 3.089 $\pm$ 0.034 χ^2/NDF : 1602.0/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 3.023 $\pm$ 0.049 χ^2/NDF :1085.9/16
 Out: 3.153 $\pm$ 0.048 χ^2/NDF :512.6/18
 All: 3.089 $\pm$ 0.034 χ^2/NDF : 1602.0/35

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: -21.732+/-0.066 χ^2/NDF :5464.7/18

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

Left In: -21.343+/-0.066 χ^2/NDF :6366.0/16

Left: -21.539+/-0.047 χ^2/NDF : 11848.1/35

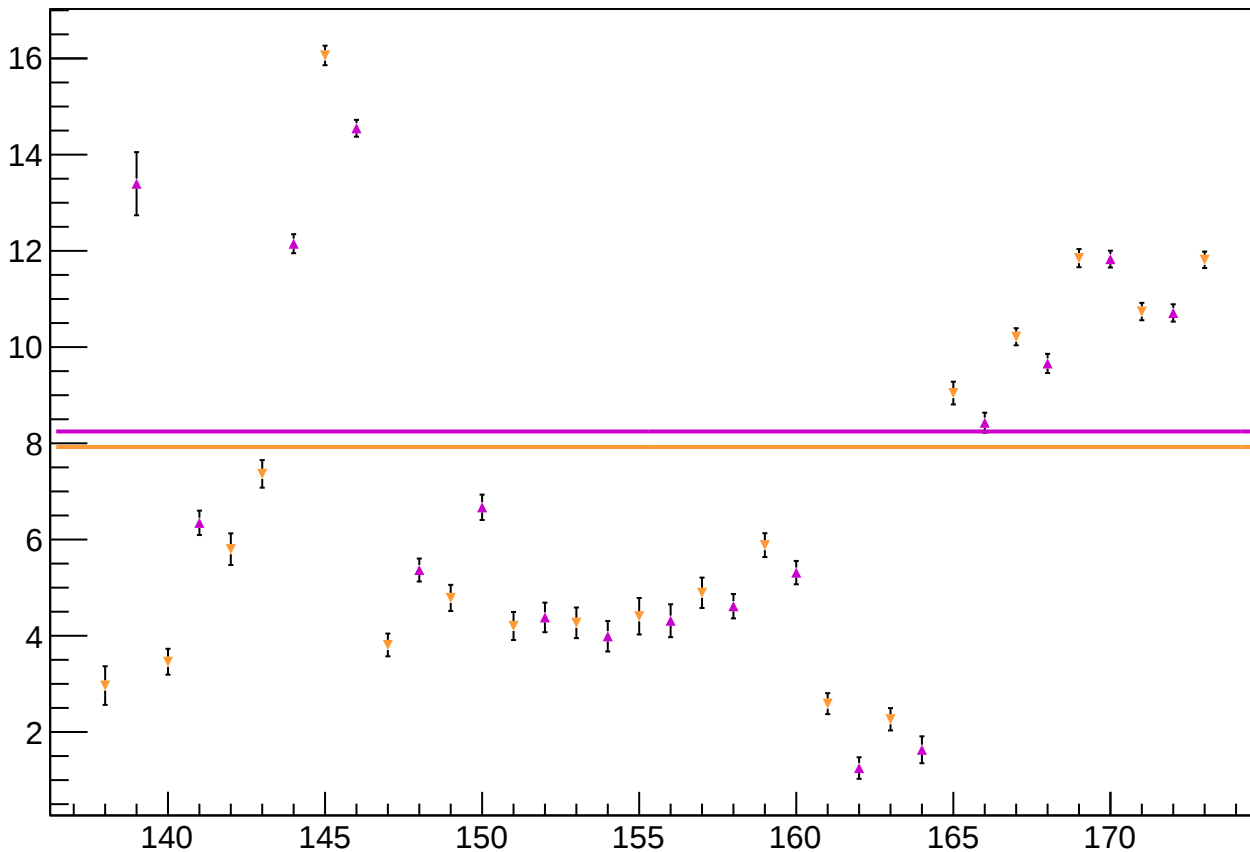
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.343+/-0.066 χ^2/NDF :6366.0/16

Out: -21.732+/-0.066 χ^2/NDF :5464.7/18

All: -21.539+/-0.047 χ^2/NDF : 11848.1/35

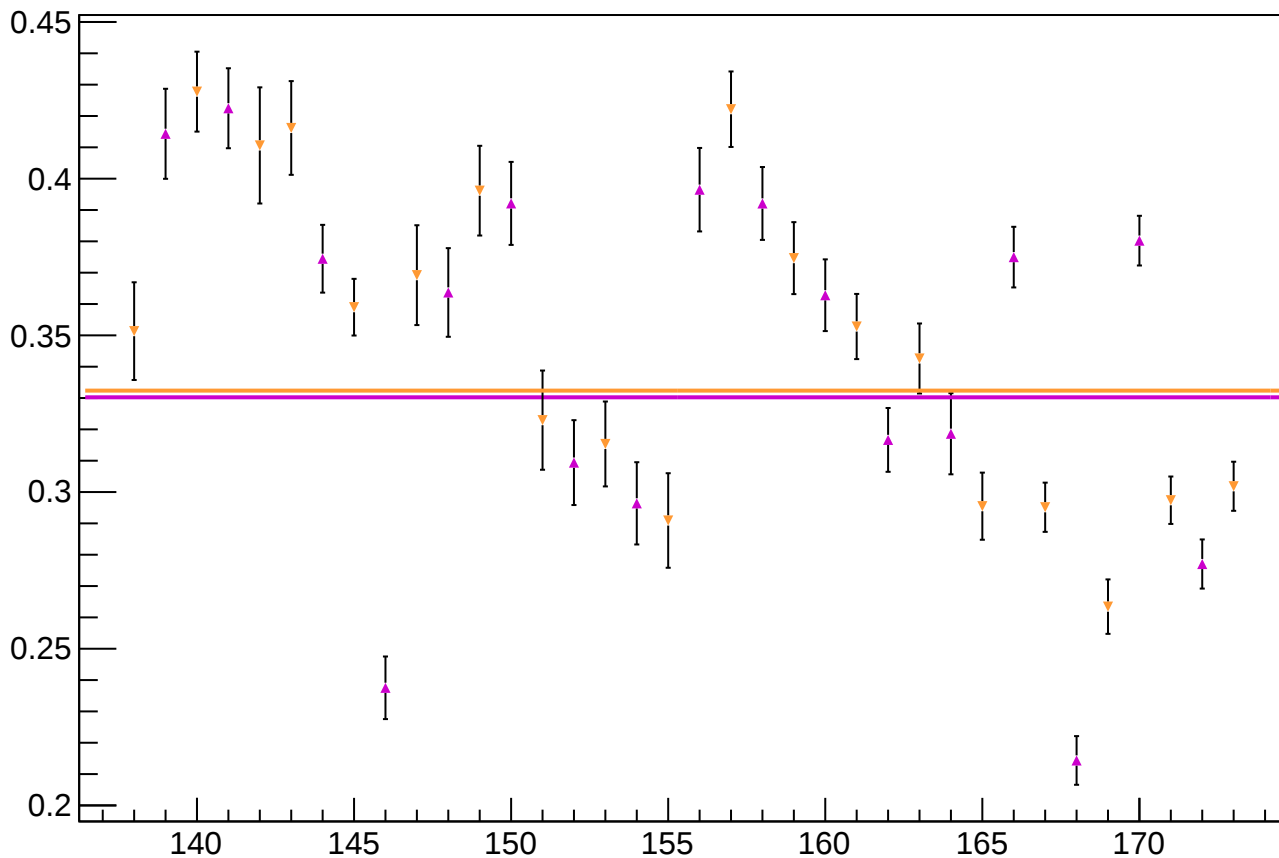
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.923+/-0.055 χ^2/NDF :5624.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.246+/-0.056 χ^2/NDF :5005.3/16

Left: 8.080+/-0.039 χ^2/NDF : 10646.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.246+/-0.056 χ^2/NDF :5005.3/16
 Out: 7.923+/-0.055 χ^2/NDF :5624.4/18
 All: 8.080+/-0.039 χ^2/NDF : 10646.6/35

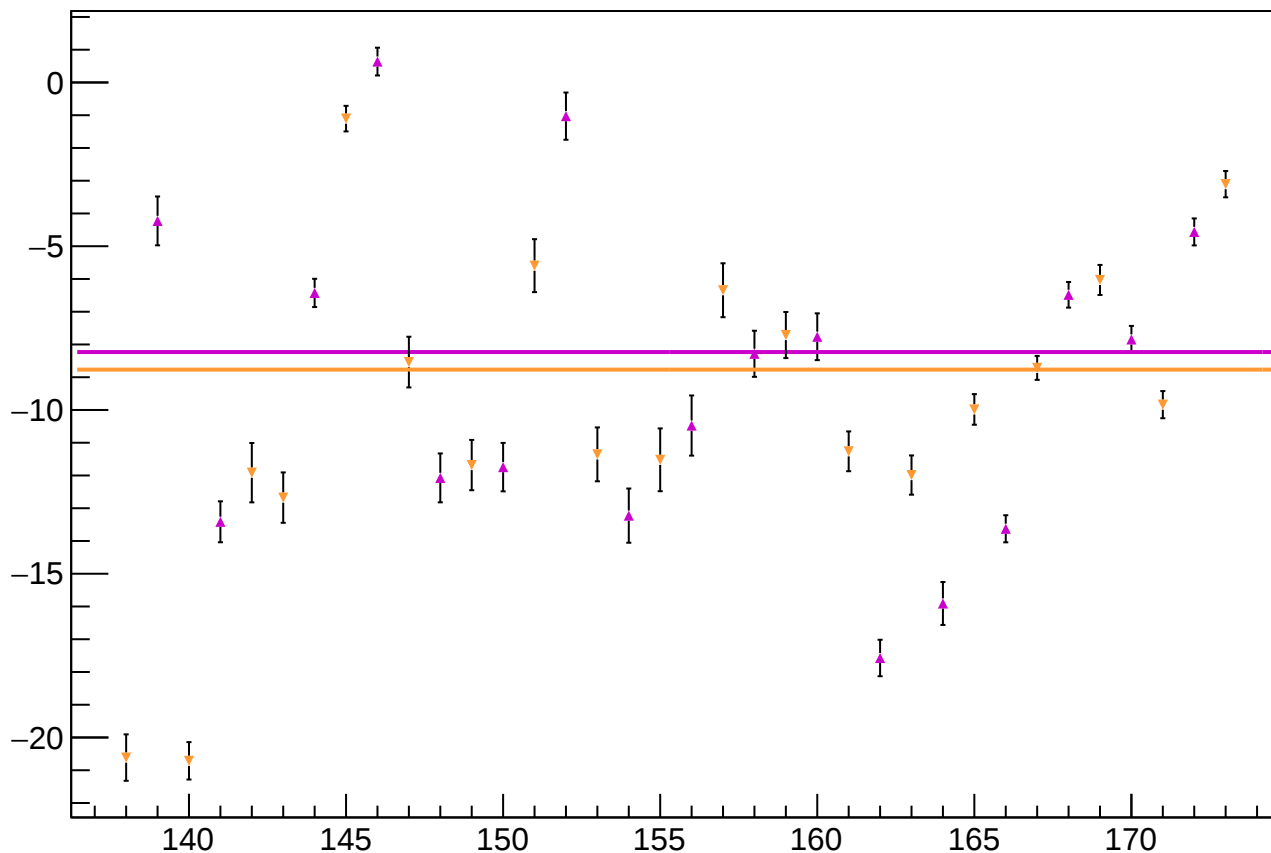
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.332 $\pm$ 0.003 χ^2 /NDF:357.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.330 $\pm$ 0.003 χ^2 /NDF:619.2/16

Left: 0.331 $\pm$ 0.002 χ^2 /NDF: 977.2/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.330 $\pm$ 0.003 χ^2 /NDF:619.2/16
 Out: 0.332 $\pm$ 0.003 χ^2 /NDF:357.7/18
 All: 0.331 $\pm$ 0.002 χ^2 /NDF: 977.2/35

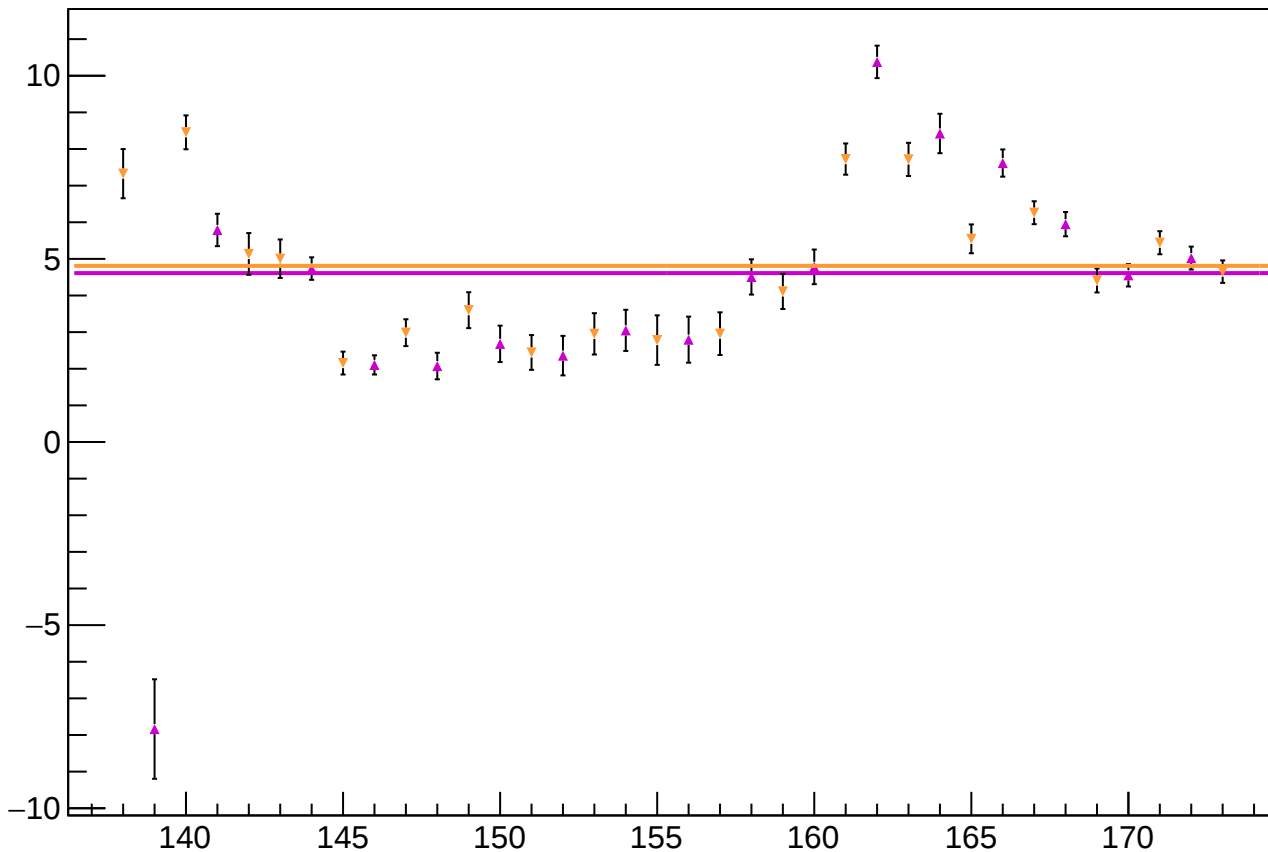
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -8.768 ± 0.129 $\chi^2/\text{NDF}: 1492.9/18$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -8.231 ± 0.132 $\chi^2/\text{NDF}: 1433.3/16$

Left: -8.505 ± 0.092 $\chi^2/\text{NDF}: 2934.7/35$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -8.231 ± 0.132 $\chi^2/\text{NDF}: 1433.3/16$
 Out: -8.768 ± 0.129 $\chi^2/\text{NDF}: 1492.9/18$
 All: -8.505 ± 0.092 $\chi^2/\text{NDF}: 2934.7/35$

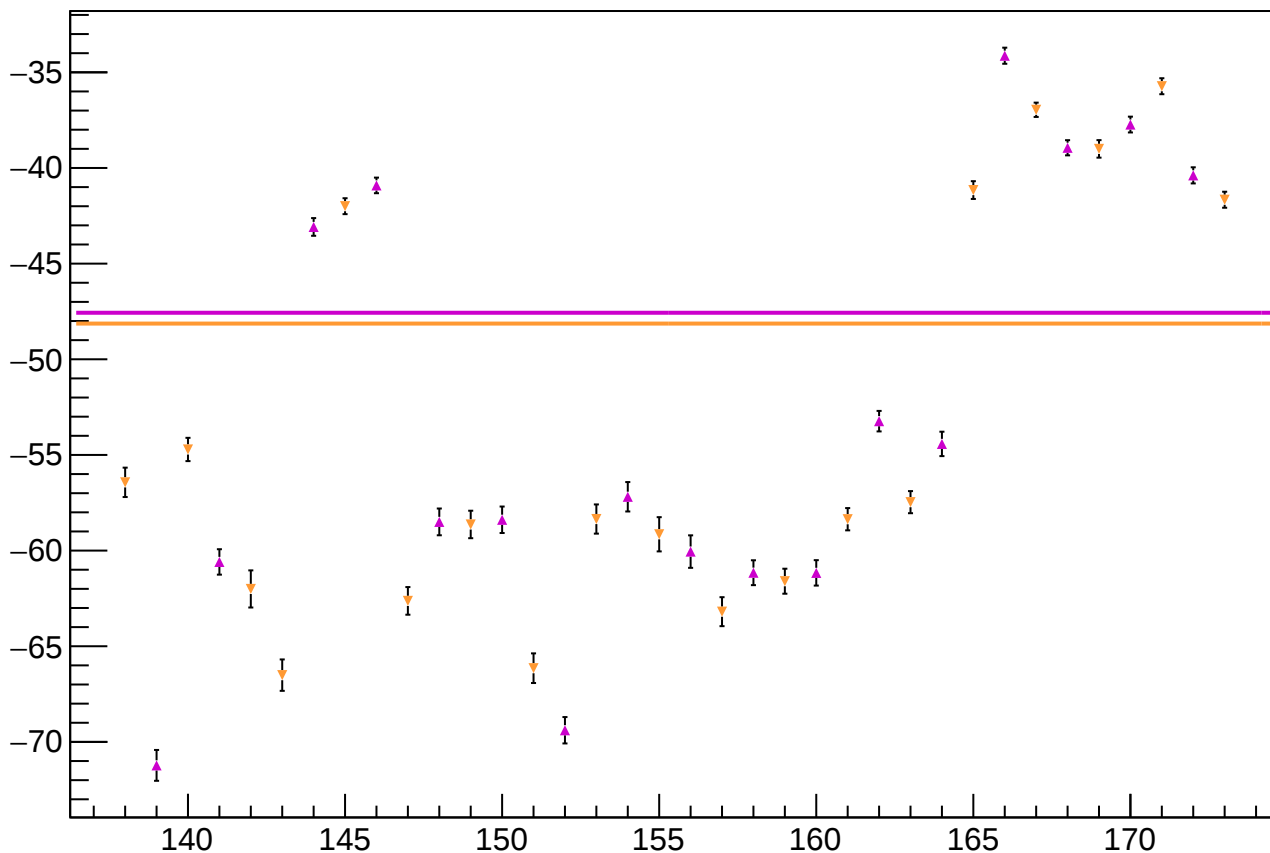
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.809 $\pm$ 0.095 χ^2 /NDF:355.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.612 $\pm$ 0.097 χ^2 /NDF:583.4/16

Left: 4.712 $\pm$ 0.068 χ^2 /NDF: 941.0/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.612 $\pm$ 0.097 χ^2 /NDF:583.4/16
 Out: 4.809 $\pm$ 0.095 χ^2 /NDF:355.5/18
 All: 4.712 $\pm$ 0.068 χ^2 /NDF: 941.0/35

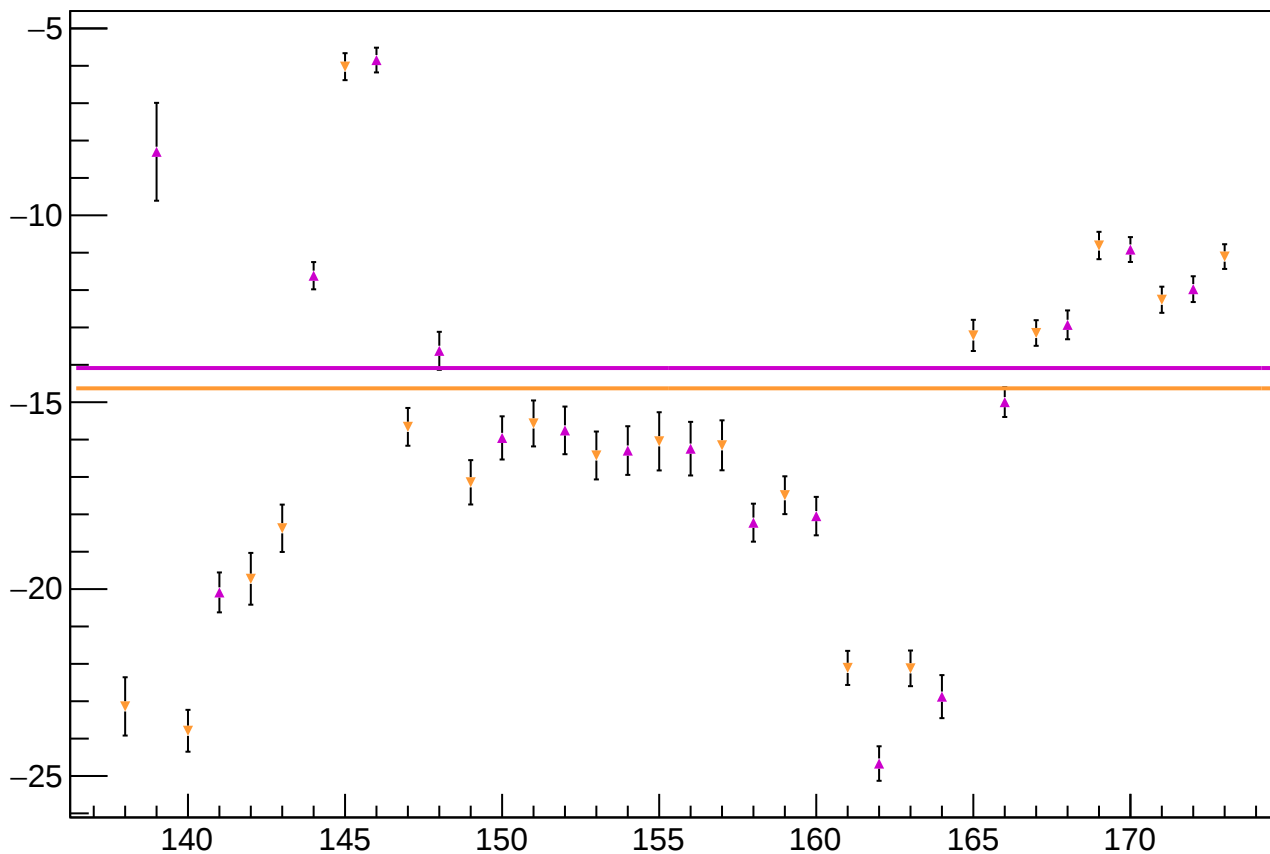
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -48.134+/-0.130 χ^2/NDF : 6671.9/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -47.568+/-0.131 χ^2/NDF : 6903.0/16

Left: -47.854+/-0.092 χ^2/NDF : 13584.3/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -47.568+/-0.131 χ^2/NDF : 6903.0/16
 Out: -48.134+/-0.130 χ^2/NDF : 6671.9/18
 All: -47.854+/-0.092 χ^2/NDF : 13584.3/35

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: -14.629+/-0.108 χ^2/NDF :1931.7/18

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

Left In: -14.086+/-0.112 χ^2/NDF :1875.7/16

Left: -14.365+/-0.078 χ^2/NDF : 3819.6/35

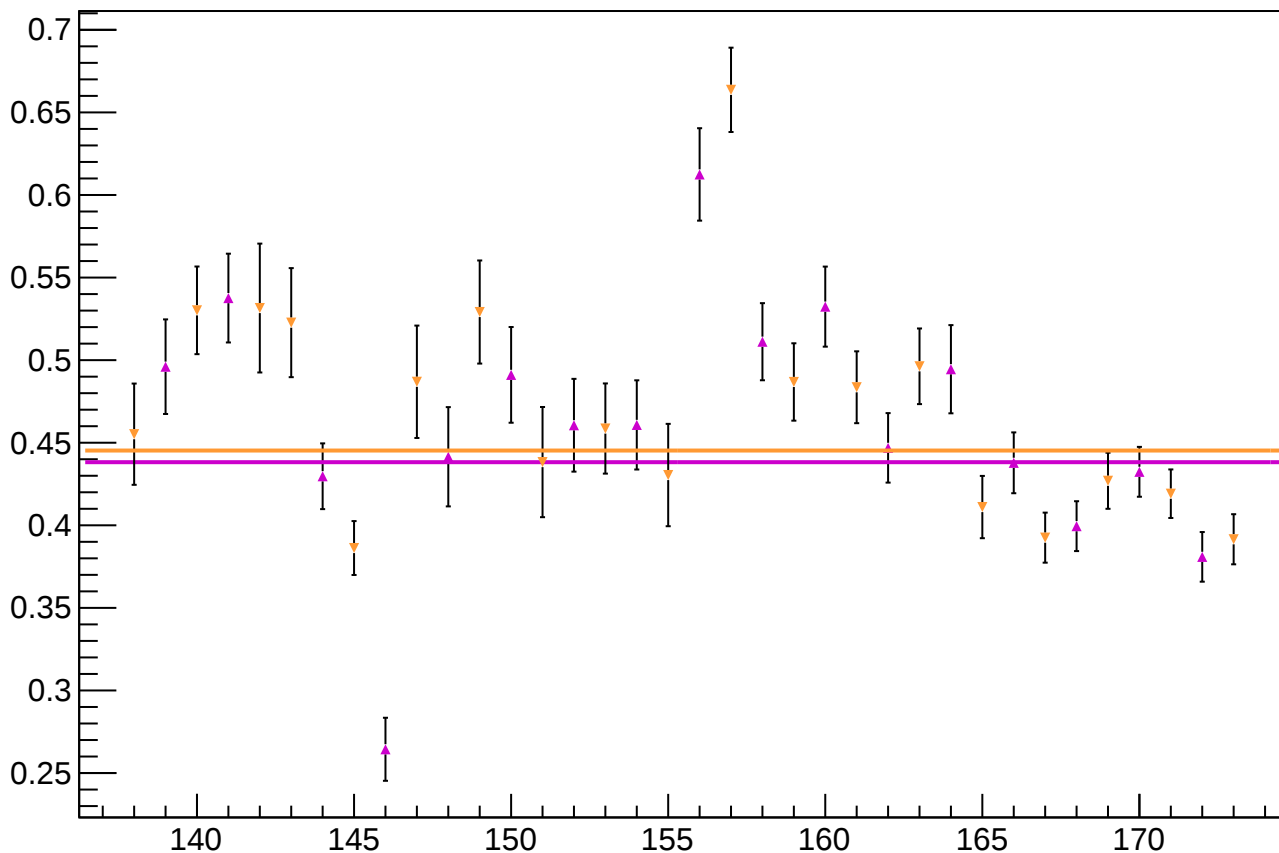
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.086+/-0.112 χ^2/NDF :1875.7/16

Out: -14.629+/-0.108 χ^2/NDF :1931.7/18

All: -14.365+/-0.078 χ^2/NDF : 3819.6/35

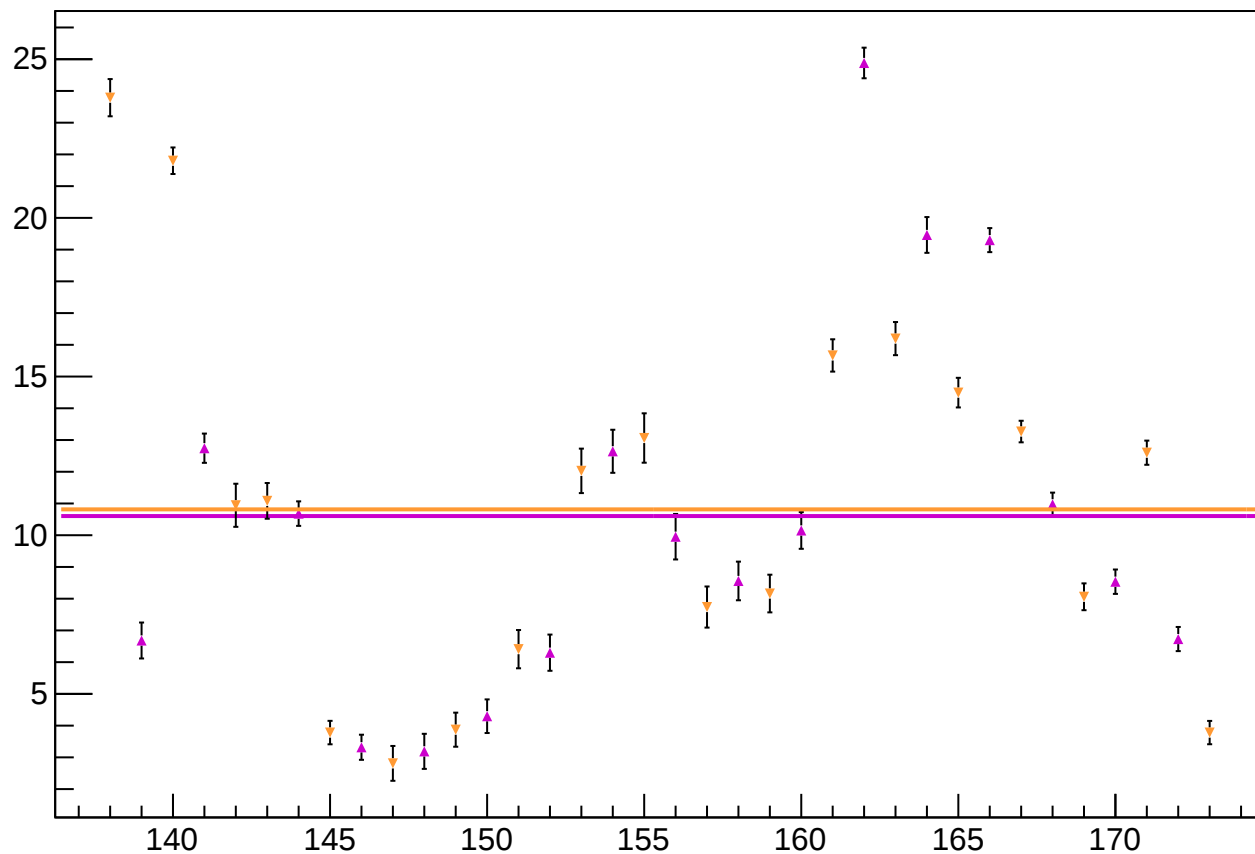
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.445 $\pm$ 0.005 χ^2 /NDF:159.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.438 $\pm$ 0.005 χ^2 /NDF:195.1/16

Left: 0.442 $\pm$ 0.004 χ^2 /NDF: 355.7/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.438 $\pm$ 0.005 χ^2 /NDF:195.1/16
 Out: 0.445 $\pm$ 0.005 χ^2 /NDF:159.7/18
 All: 0.442 $\pm$ 0.004 χ^2 /NDF: 355.7/35

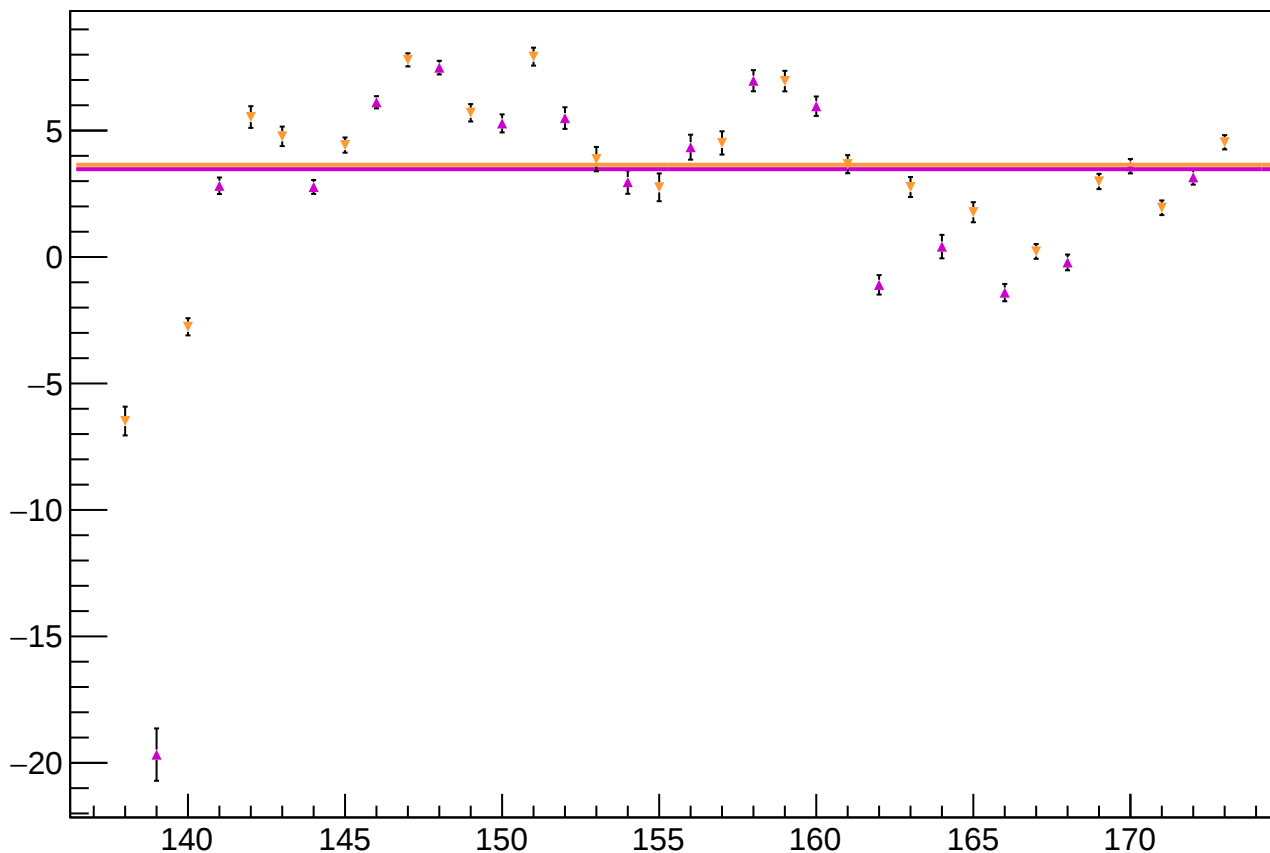
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 10.815+/-0.112 χ^2/NDF :2770.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 10.604+/-0.115 χ^2/NDF :2593.3/16

Left: 10.712+/-0.080 χ^2/NDF : 5365.4/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 10.604+/-0.115 χ^2/NDF :2593.3/16
 Out: 10.815+/-0.112 χ^2/NDF :2770.4/18
 All: 10.712+/-0.080 χ^2/NDF : 5365.4/35

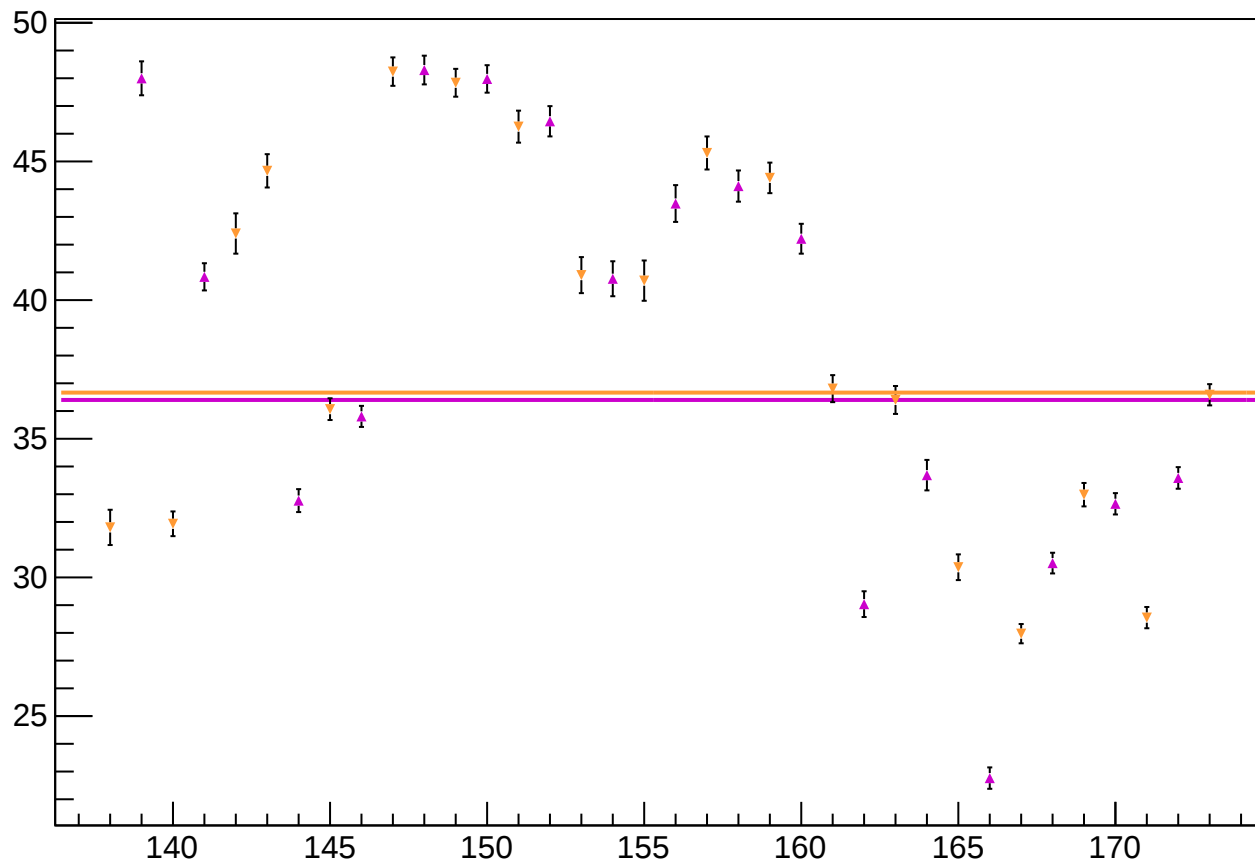
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.648+/-0.081 χ^2/NDF :1428.9/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.473+/-0.084 χ^2/NDF :1546.6/16

Left: 3.563+/-0.058 χ^2/NDF : 2977.7/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.473+/-0.084 χ^2/NDF :1546.6/16
 Out: 3.648+/-0.081 χ^2/NDF :1428.9/18
 All: 3.563+/-0.058 χ^2/NDF : 2977.7/35

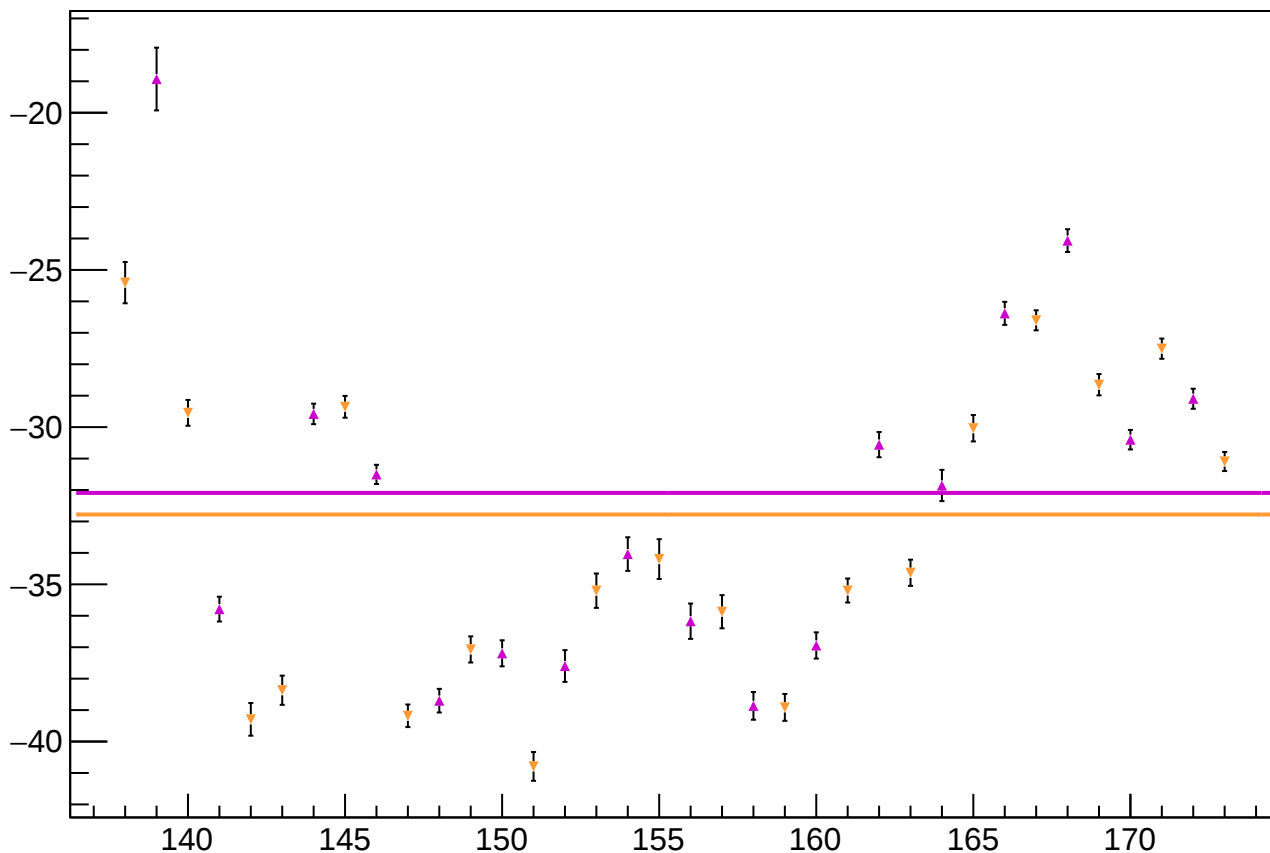
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 36.665+/-0.112 χ^2/NDF :3509.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 36.400+/-0.114 χ^2/NDF :4320.0/16

Left: 36.534+/-0.080 χ^2/NDF : 7832.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 36.400+/-0.114 χ^2/NDF :4320.0/16
 Out: 36.665+/-0.112 χ^2/NDF :3509.2/18
 All: 36.534+/-0.080 χ^2/NDF : 7832.0/35

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -32.779+/-0.093 χ^2/NDF : 2510.1/18

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

Left In: -32.092+/-0.096 χ^2/NDF : 2206.8/16

Left: -32.448+/-0.067 χ^2/NDF : 4743.2/35

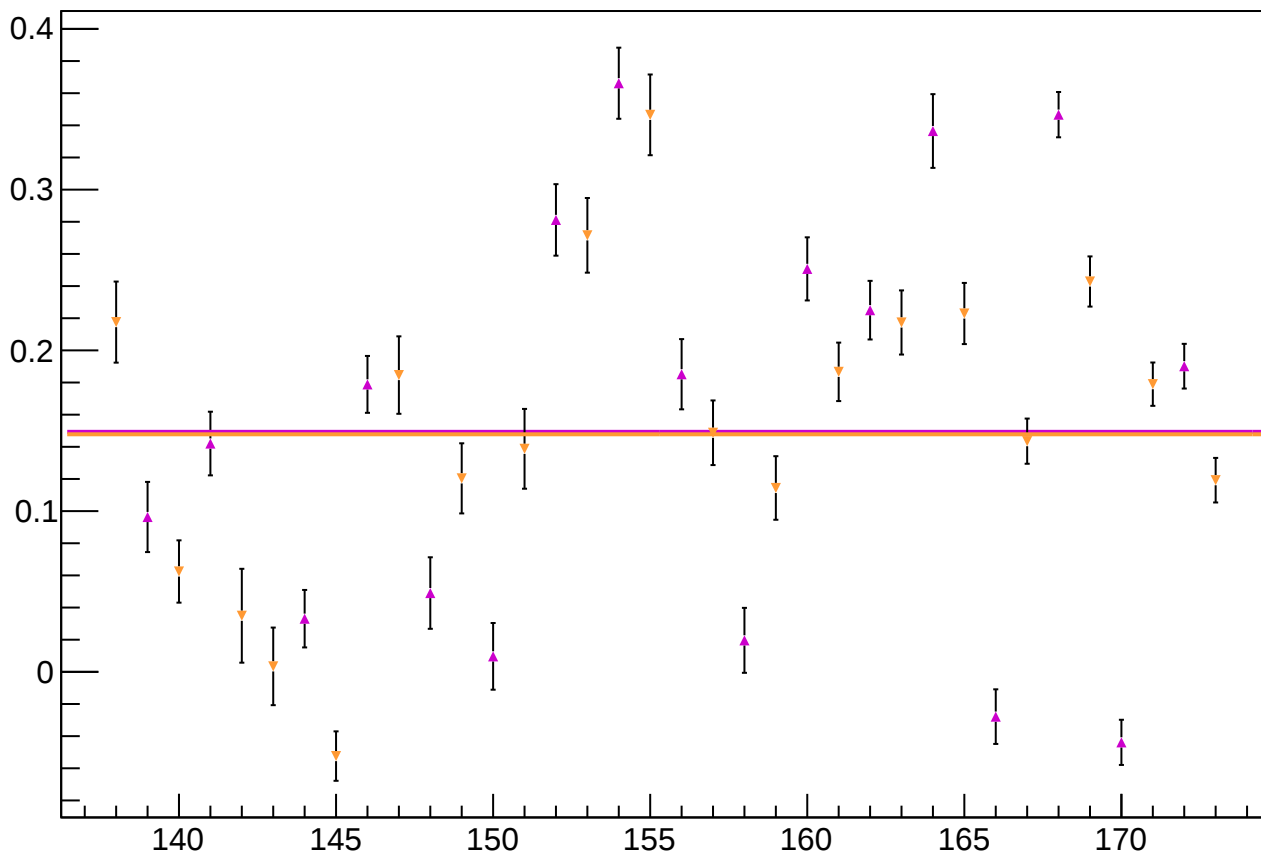
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.092+/-0.096 χ^2/NDF : 2206.8/16

Out: -32.779+/-0.093 χ^2/NDF : 2510.1/18

All: -32.448+/-0.067 χ^2/NDF : 4743.2/35

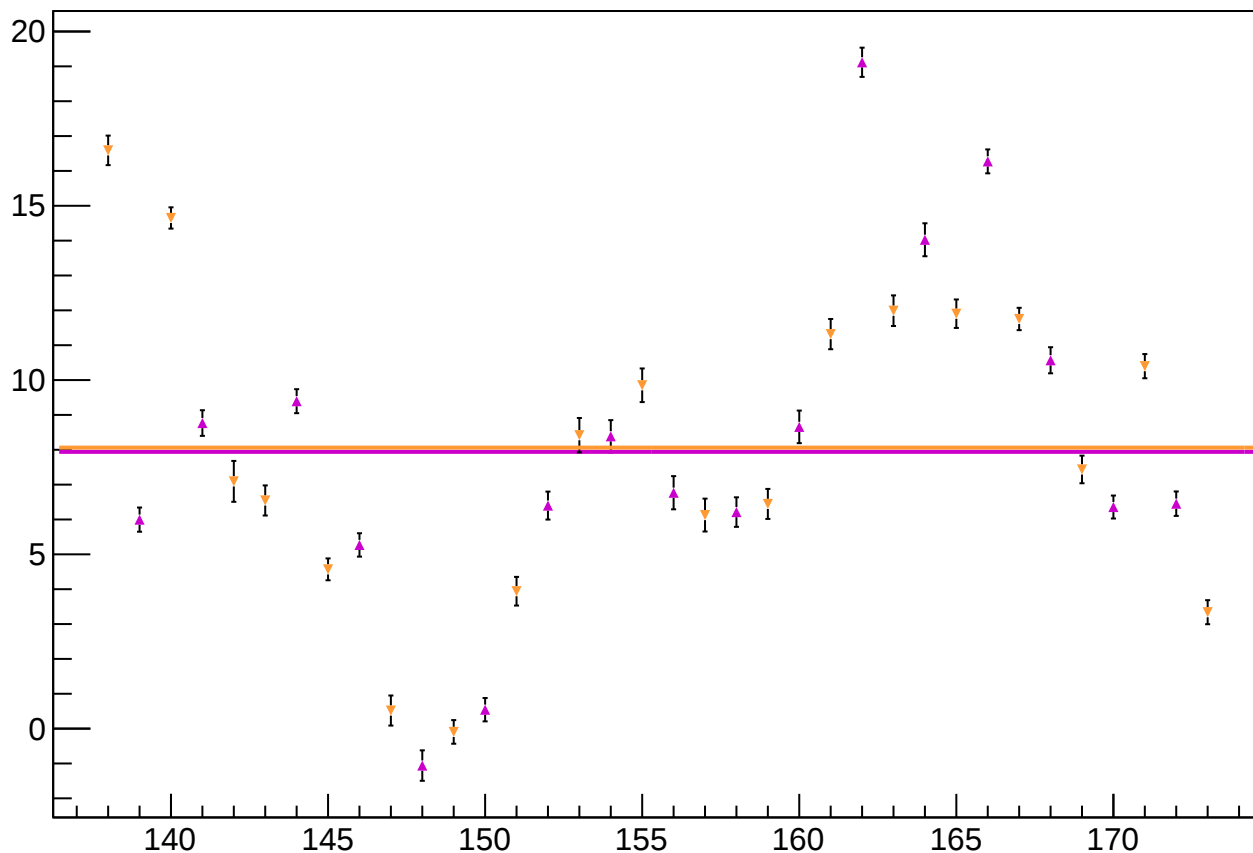
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.148 $\pm$ 0.004 χ^2 /NDF:424.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.149 $\pm$ 0.004 χ^2 /NDF:904.7/16

Left: 0.149 $\pm$ 0.003 χ^2 /NDF: 1329.0/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.149 $\pm$ 0.004 χ^2 /NDF:904.7/16
 Out: 0.148 $\pm$ 0.004 χ^2 /NDF:424.2/18
 All: 0.149 $\pm$ 0.003 χ^2 /NDF: 1329.0/35

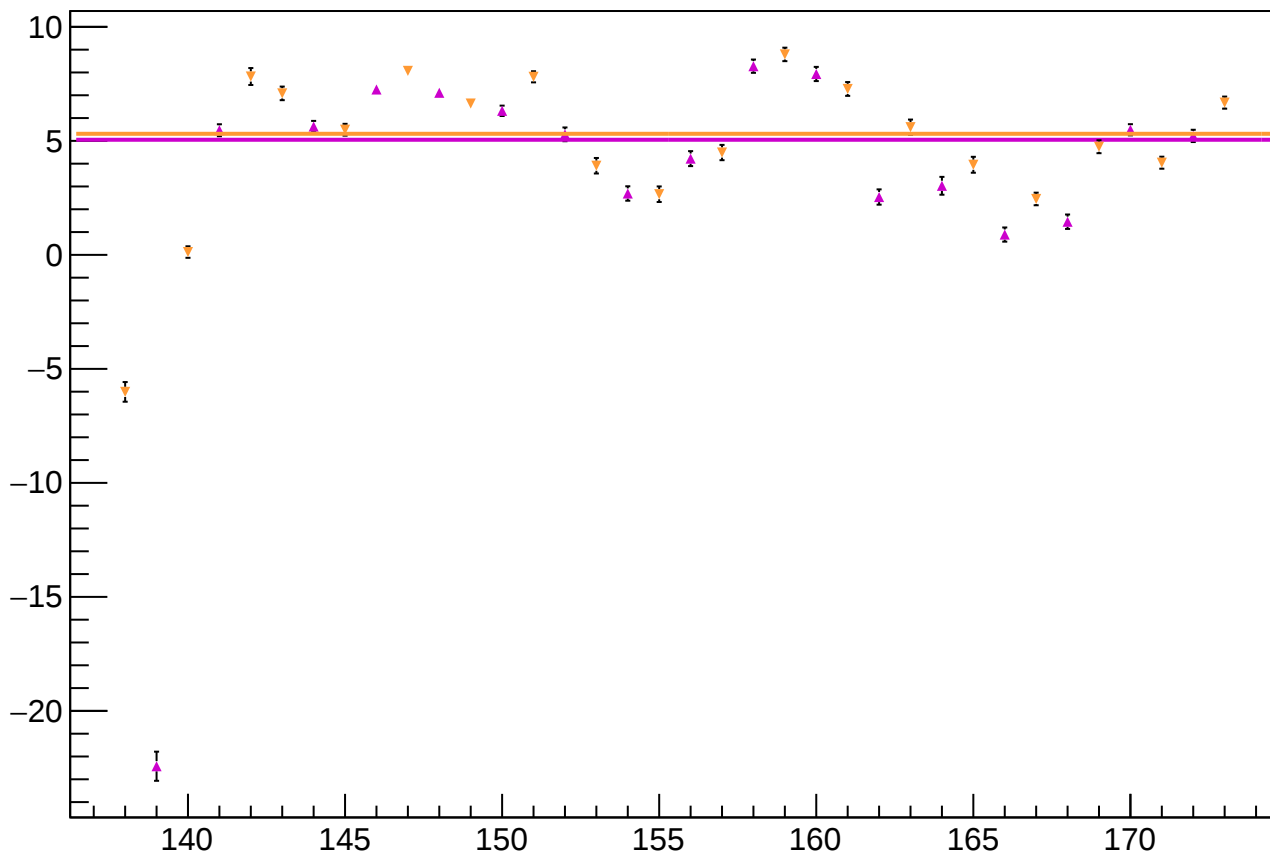
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.062+/-0.090 χ^2/NDF :2632.6/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.940+/-0.093 χ^2/NDF :2626.1/16

Left: 8.003+/-0.065 χ^2/NDF : 5259.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.940+/-0.093 χ^2/NDF :2626.1/16
 Out: 8.062+/-0.090 χ^2/NDF :2632.6/18
 All: 8.003+/-0.065 χ^2/NDF : 5259.5/35

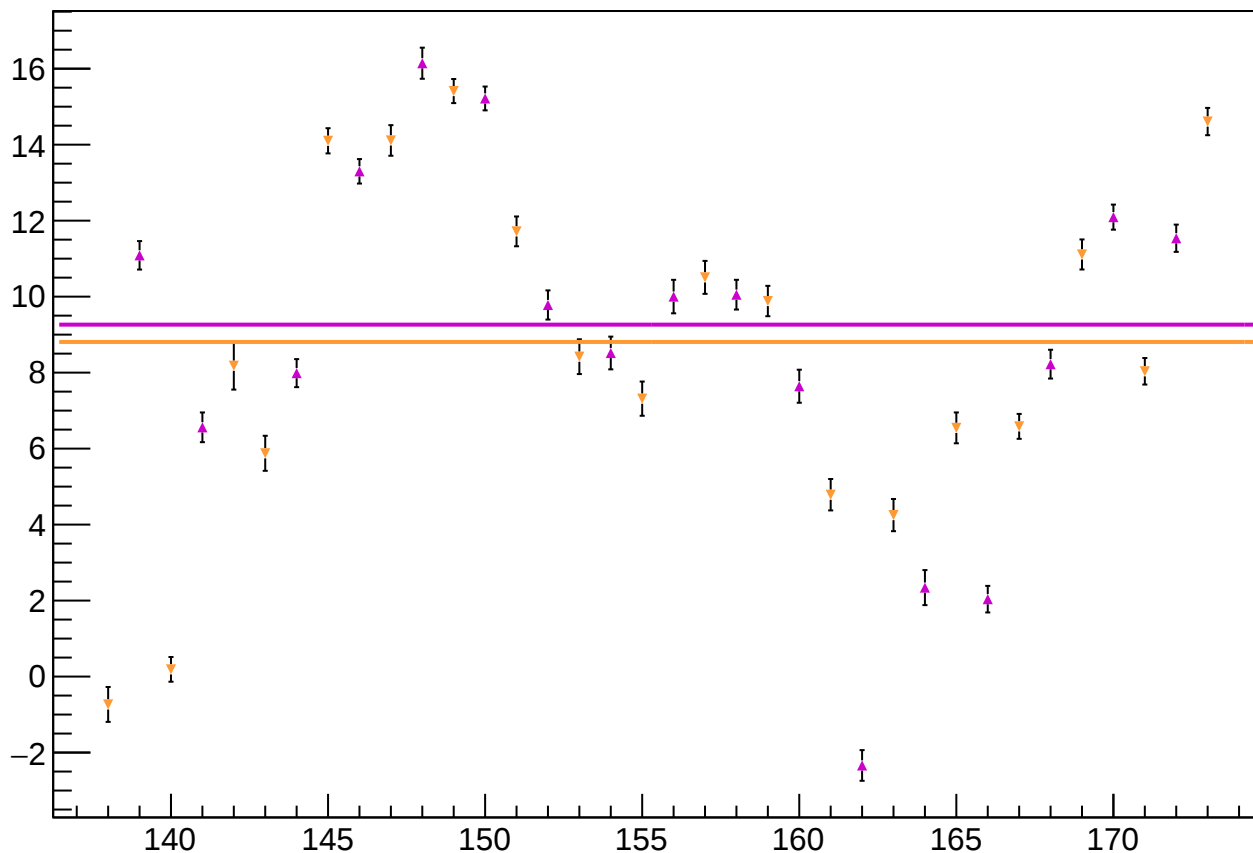
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.310 $\pm$ 0.065 χ^2 /NDF:1950.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.048 $\pm$ 0.068 χ^2 /NDF:2751.5/16

Left: 5.185 $\pm$ 0.047 χ^2 /NDF: 4709.8/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.048 $\pm$ 0.068 χ^2 /NDF:2751.5/16
 Out: 5.310 $\pm$ 0.065 χ^2 /NDF:1950.6/18
 All: 5.185 $\pm$ 0.047 χ^2 /NDF: 4709.8/35

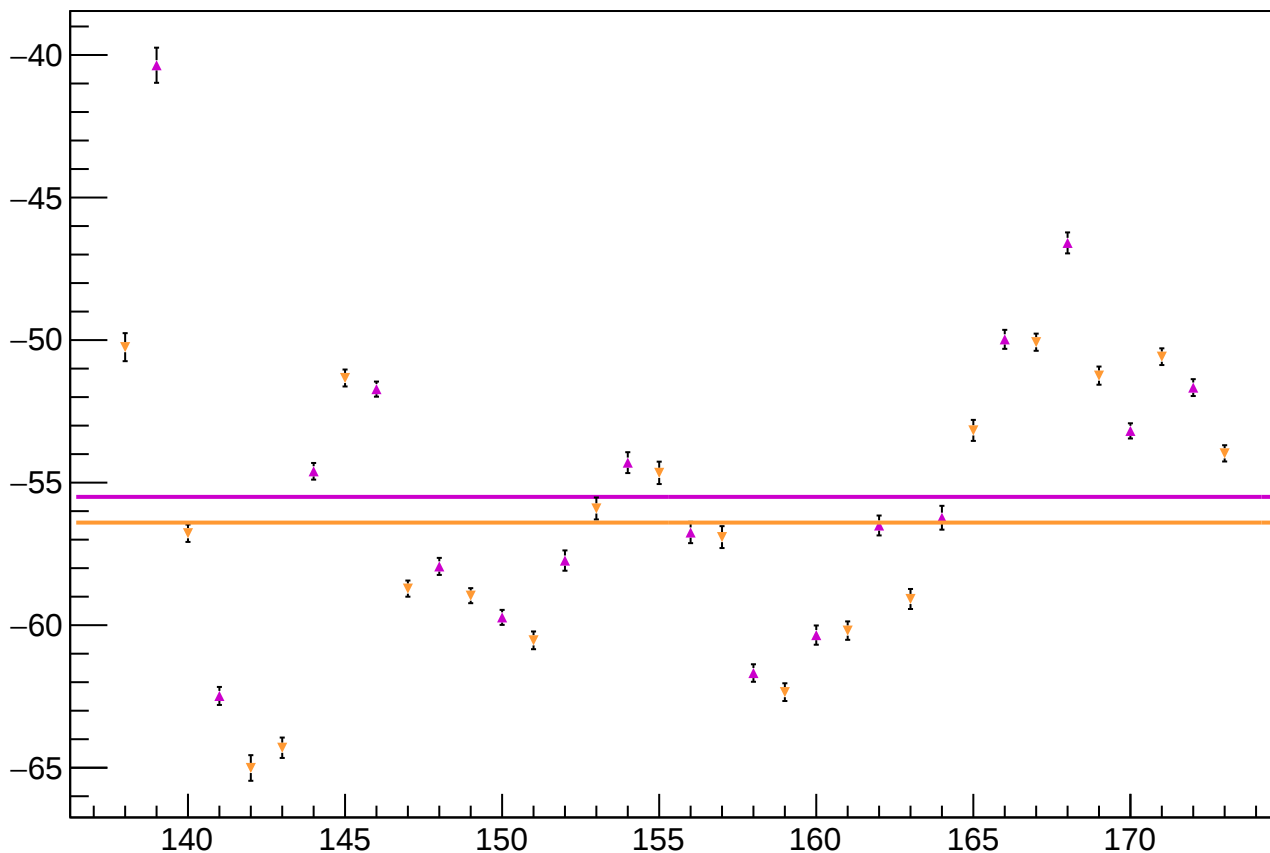
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 8.808 $\pm$ 0.090 χ^2/NDF :2712.4/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 9.263 $\pm$ 0.092 χ^2/NDF :2509.0/16

Left: 9.031 $\pm$ 0.064 χ^2/NDF : 5233.9/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 9.263 $\pm$ 0.092 χ^2/NDF :2509.0/16
 Out: 8.808 $\pm$ 0.090 χ^2/NDF :2712.4/18
 All: 9.031 $\pm$ 0.064 χ^2/NDF : 5233.9/35

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: -56.401+/-0.075 χ^2/NDF : 3472.8/18

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

Left In: -55.500+/-0.079 χ^2/NDF : 3418.4/16

Left: -55.970+/-0.054 χ^2/NDF : 6959.9/35

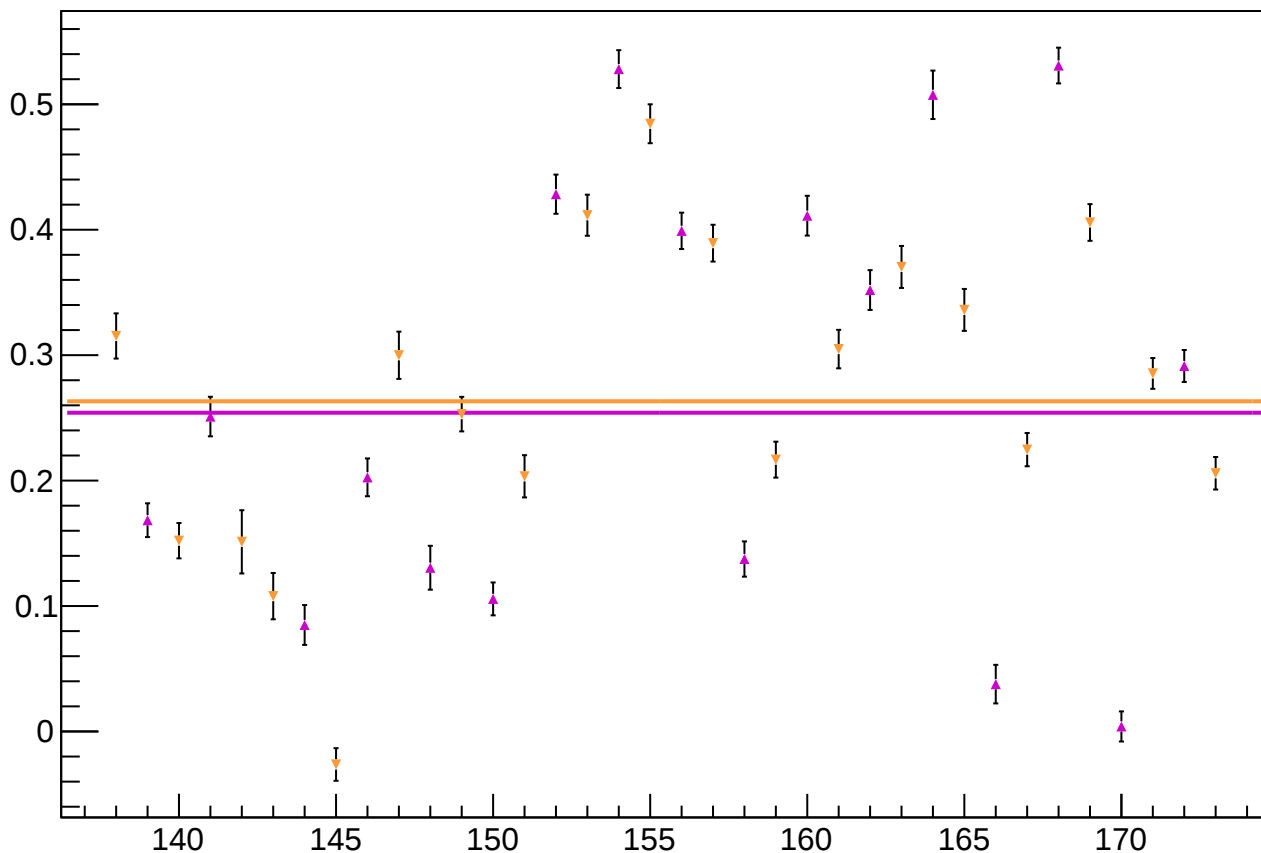
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -55.500+/-0.079 χ^2/NDF : 3418.4/16

Out: -56.401+/-0.075 χ^2/NDF : 3472.8/18

All: -55.970+/-0.054 χ^2/NDF : 6959.9/35

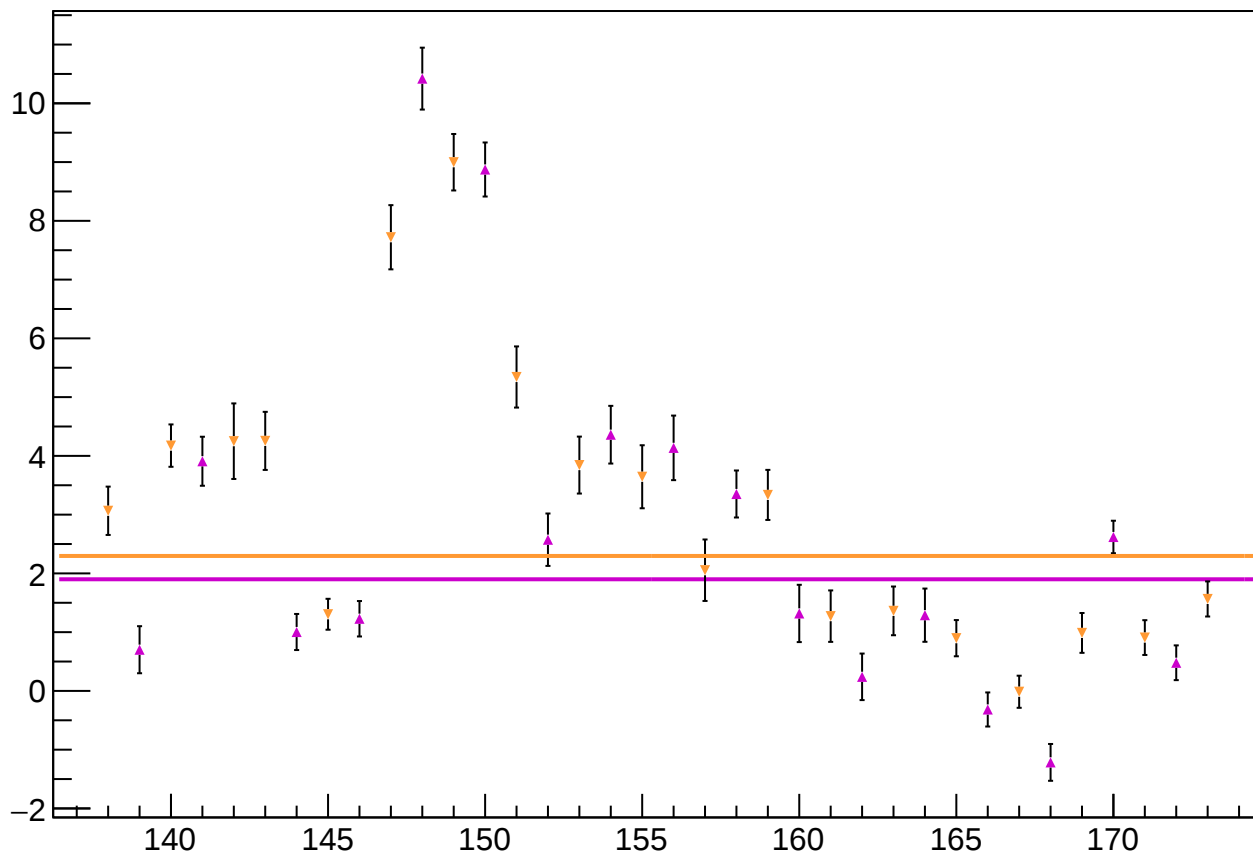
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.263+/-0.003 χ^2/NDF :1236.9/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.254+/-0.004 χ^2/NDF :2293.4/16

Left: 0.259+/-0.002 χ^2/NDF : 3533.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.254+/-0.004 χ^2/NDF :2293.4/16
 Out: 0.263+/-0.003 χ^2/NDF :1236.9/18
 All: 0.259+/-0.002 χ^2/NDF : 3533.6/35

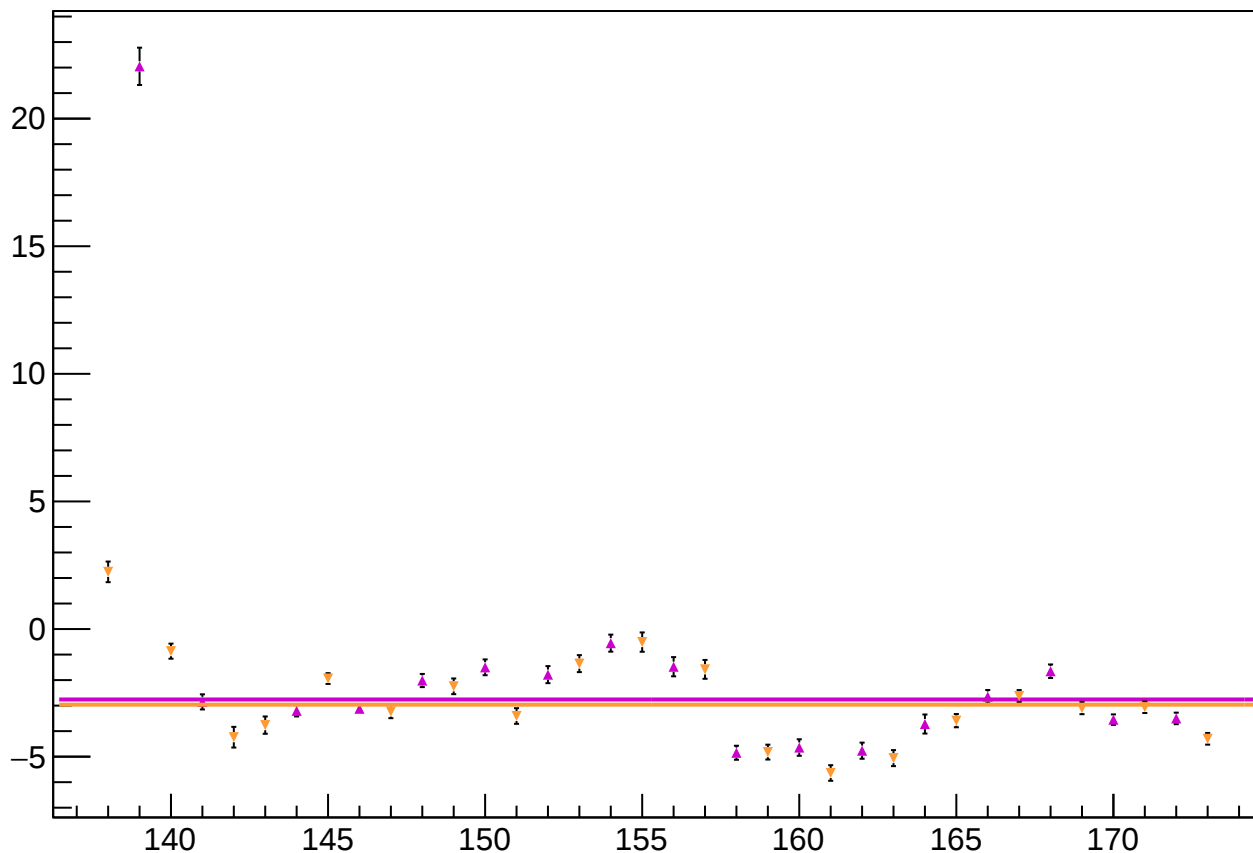
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.297 $\pm$ 0.088 χ^2 /NDF:565.3/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.900 $\pm$ 0.090 χ^2 /NDF:802.4/16

Left: 2.103 $\pm$ 0.063 χ^2 /NDF: 1377.6/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 1.900 $\pm$ 0.090 χ^2 /NDF:802.4/16
 Out: 2.297 $\pm$ 0.088 χ^2 /NDF:565.3/18
 All: 2.103 $\pm$ 0.063 χ^2 /NDF: 1377.6/35

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



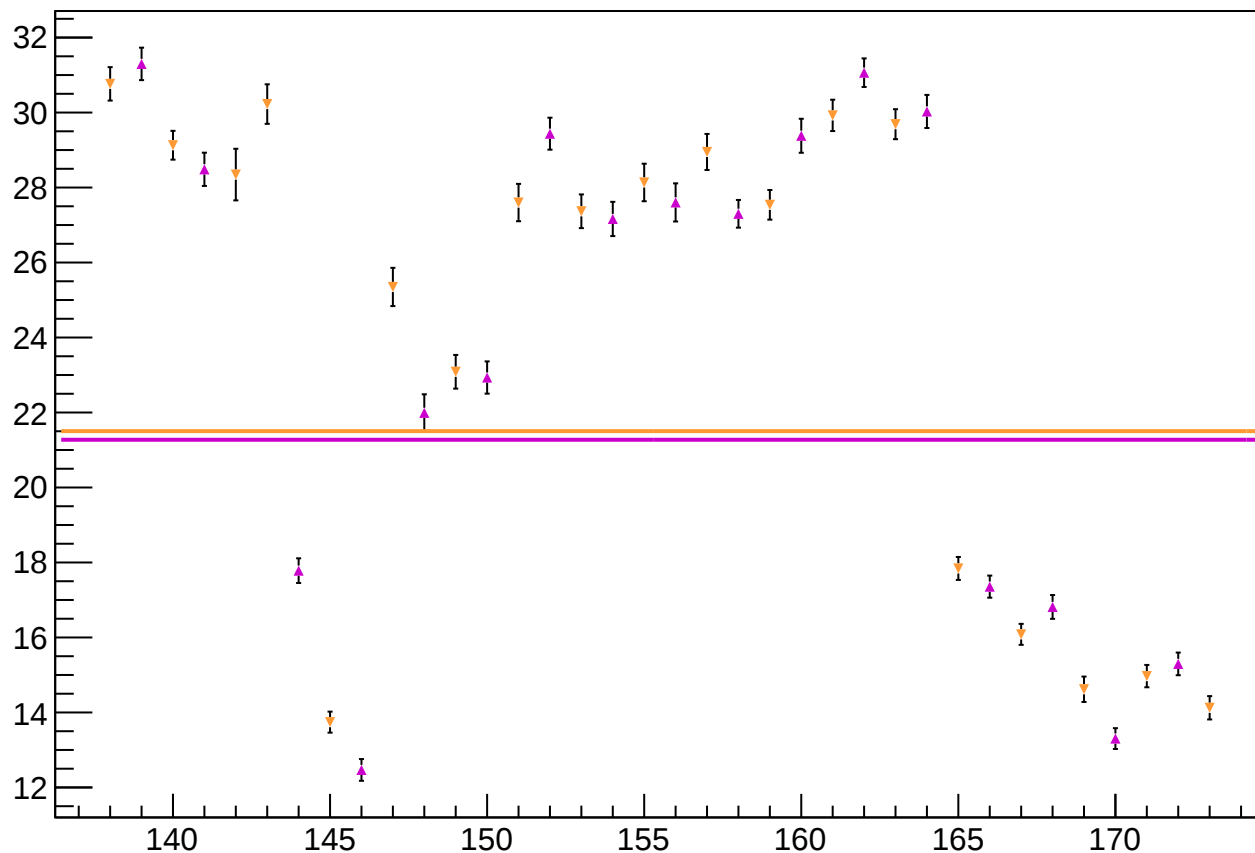
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -2.963 ± 0.065 $\chi^2/\text{NDF}: 547.5/18$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -2.760 ± 0.067 $\chi^2/\text{NDF}: 1429.8/16$

Left: -2.864 ± 0.047 $\chi^2/\text{NDF}: 1982.0/35$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -2.760 ± 0.067 $\chi^2/\text{NDF}: 1429.8/16$
 Out: -2.963 ± 0.065 $\chi^2/\text{NDF}: 547.5/18$

All: -2.864 ± 0.047 $\chi^2/\text{NDF}: 1982.0/35$

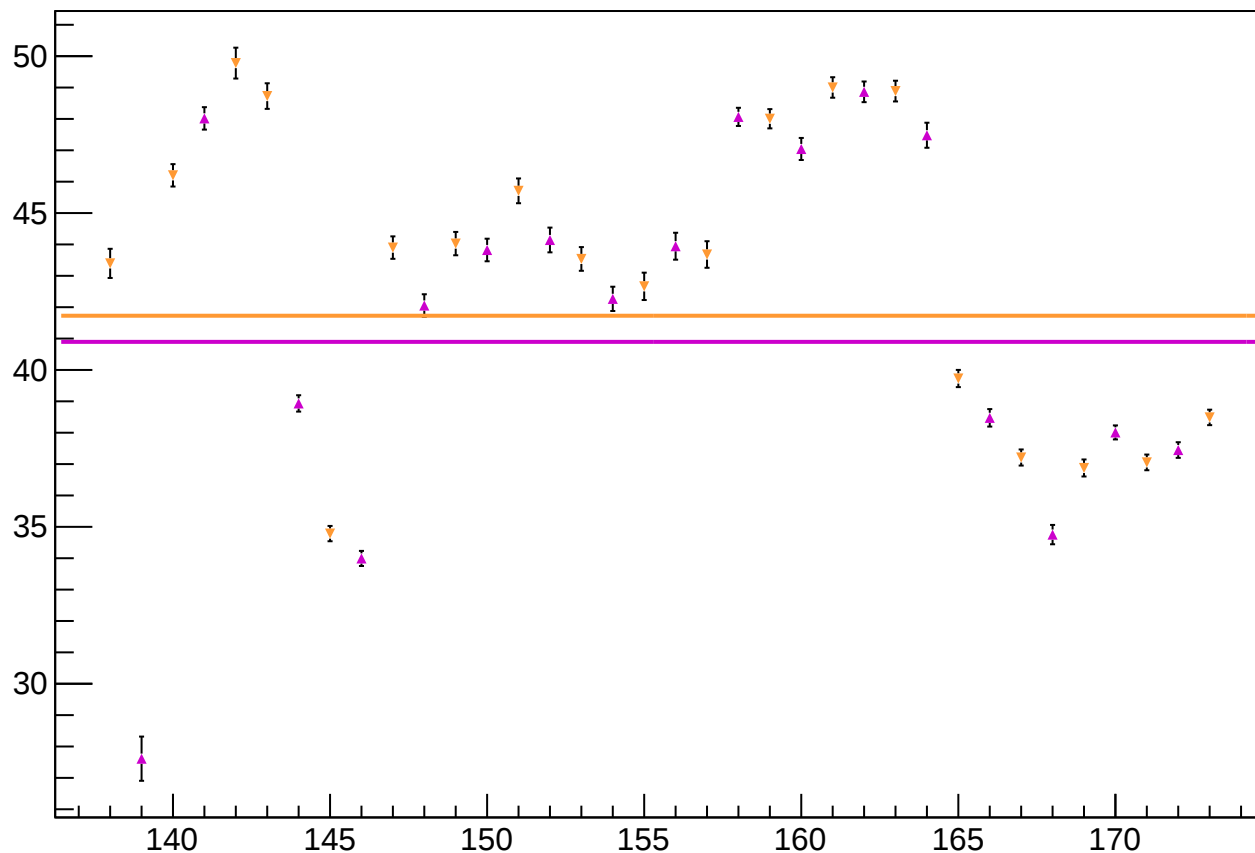
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 21.504+/-0.088 χ^2/NDF :5802.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 21.273+/-0.089 χ^2/NDF :5773.0/16

Left: 21.390+/-0.063 χ^2/NDF : 11578.9/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 21.273+/-0.089 χ^2/NDF :5773.0/16
 Out: 21.504+/-0.088 χ^2/NDF :5802.5/18
 All: 21.390+/-0.063 χ^2/NDF : 11578.9/35

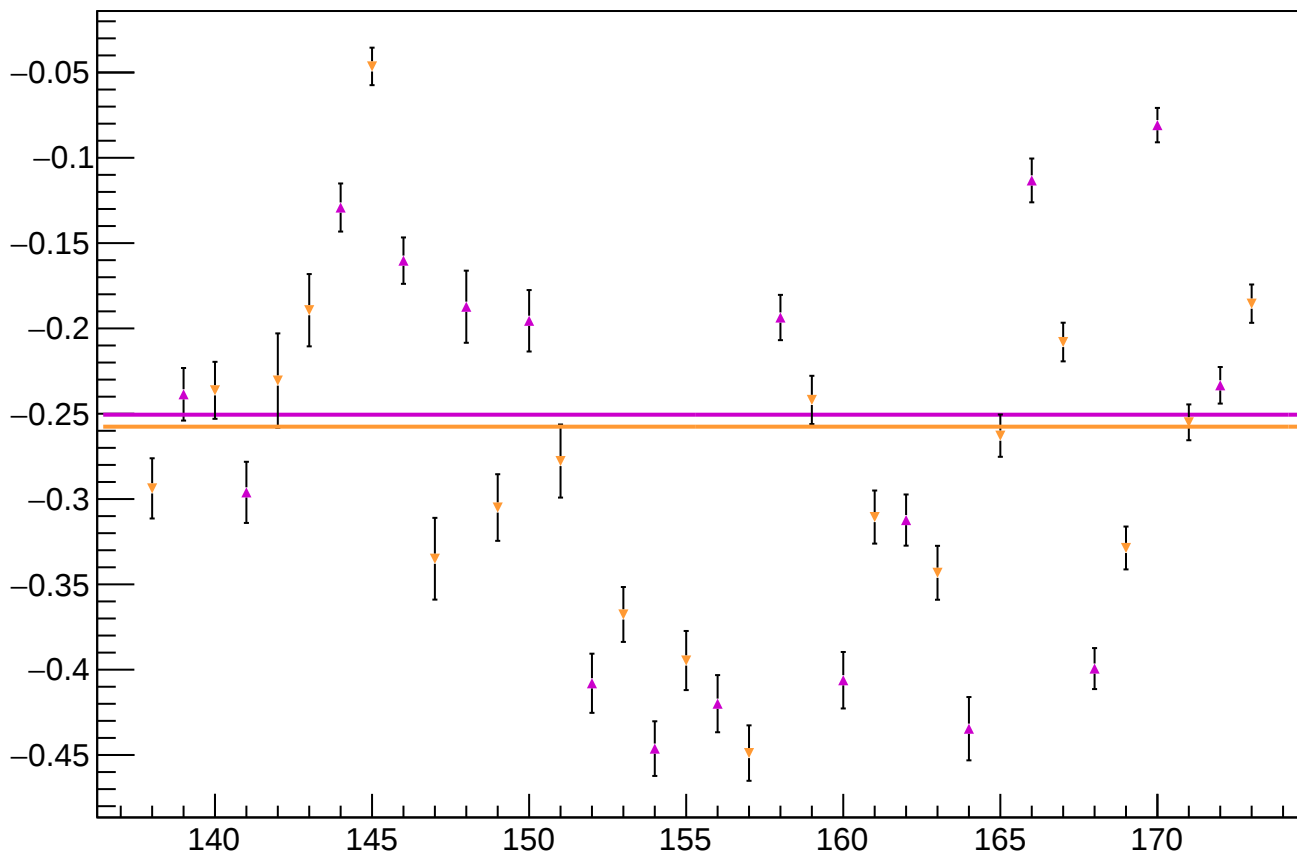
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 41.728+/-0.074 χ^2/NDF :4357.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 40.895+/-0.076 χ^2/NDF :4447.3/16

Left: 41.325+/-0.053 χ^2/NDF : 8865.4/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 40.895+/-0.076 χ^2/NDF :4447.3/16
 Out: 41.728+/-0.074 χ^2/NDF :4357.0/18
 All: 41.325+/-0.053 χ^2/NDF : 8865.4/35

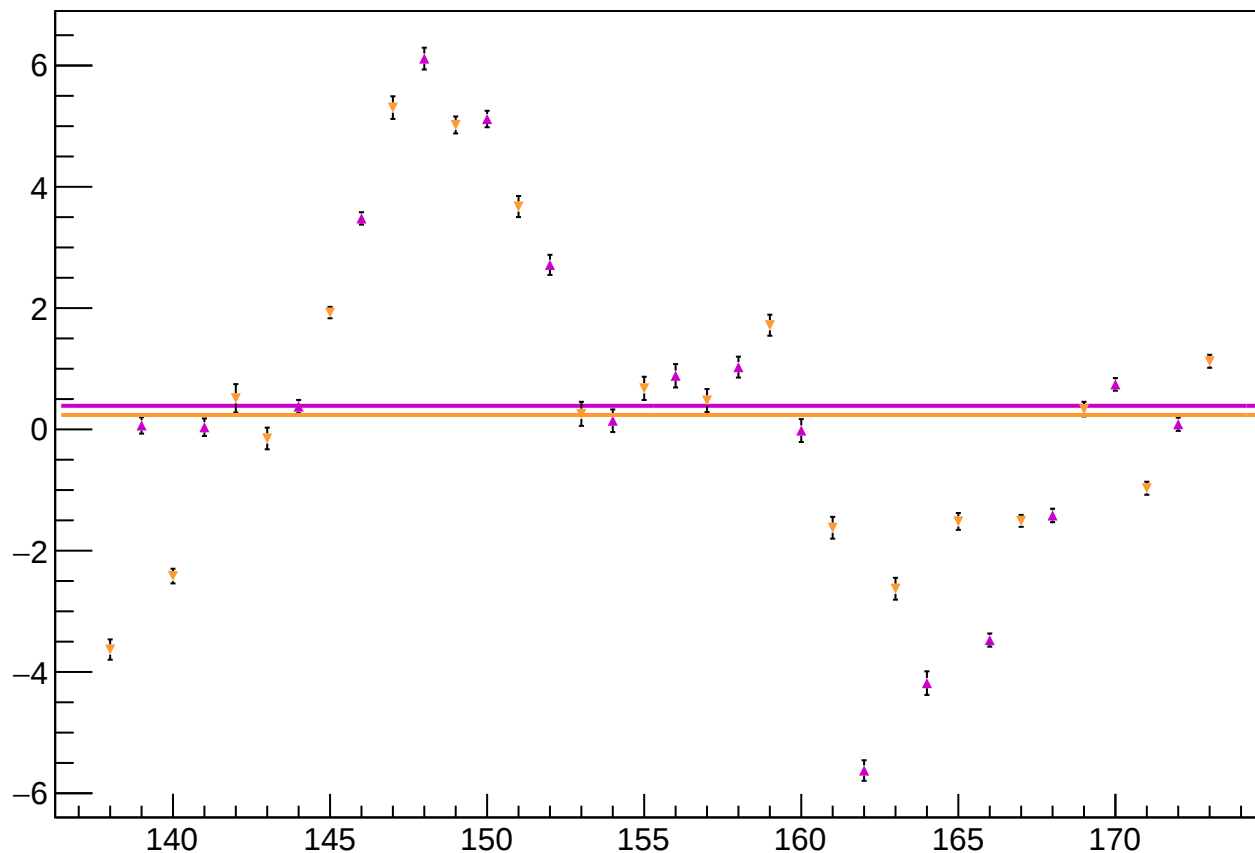
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000±/0.000 χ^2/NDF : 0.0/0
 Left Out: -0.258±/0.003 χ^2/NDF :786.7/18
 Right Out: 0.000±/0.000 χ^2/NDF : 0.0/0
 Left In: -0.251±/0.003 χ^2/NDF :1253.7/16

Left: -0.254±/0.002 χ^2/NDF : 2042.4/35
 Right: 0.000±/0.000 χ^2/NDF : 0.0/0
 In: -0.251±/0.003 χ^2/NDF :1253.7/16
 Out: -0.258±/0.003 χ^2/NDF :786.7/18
 All: -0.254±/0.002 χ^2/NDF : 2042.4/35

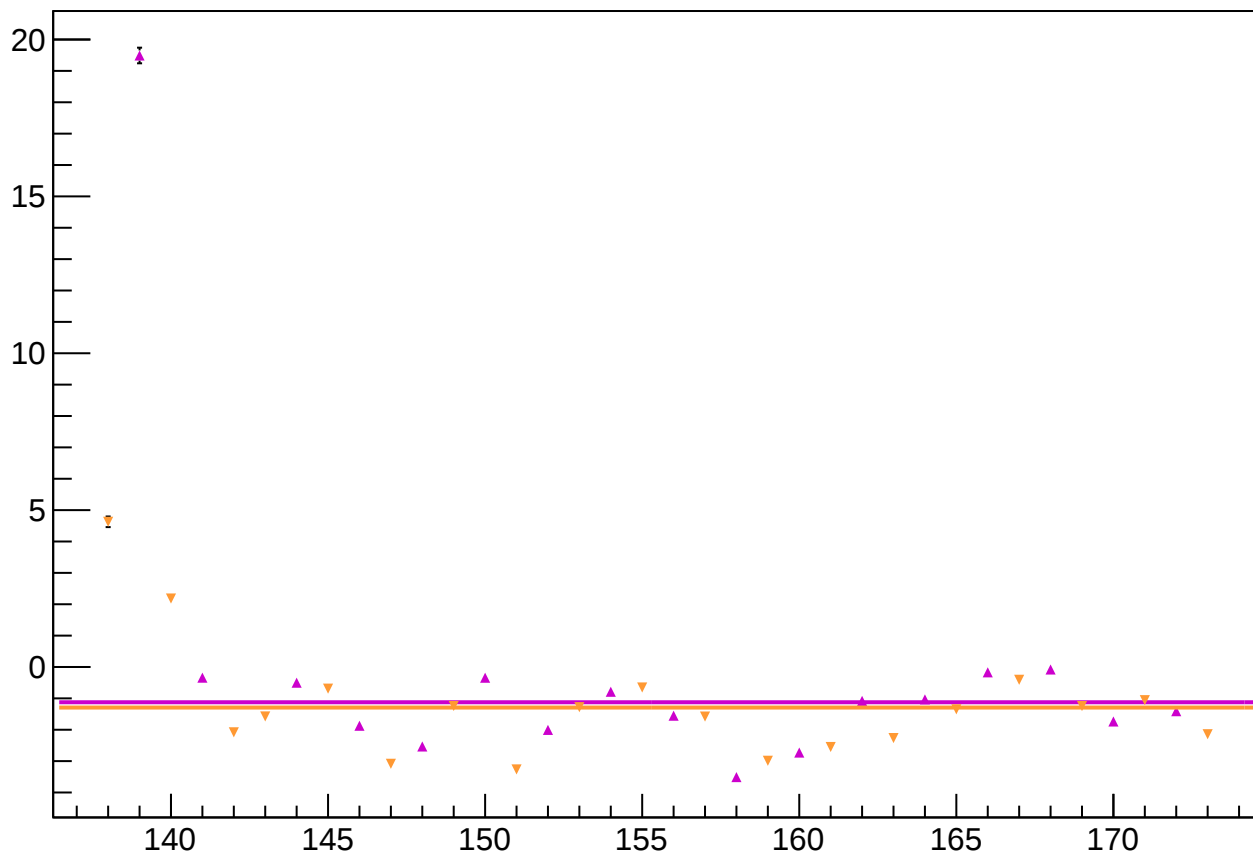
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.237+/-0.032 χ^2/NDF :4746.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.389+/-0.033 χ^2/NDF :6717.8/16

Left: 0.312+/-0.023 χ^2/NDF : 11474.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.389+/-0.033 χ^2/NDF :6717.8/16
 Out: 0.237+/-0.032 χ^2/NDF :4746.0/18
 All: 0.312+/-0.023 χ^2/NDF : 11474.6/35

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



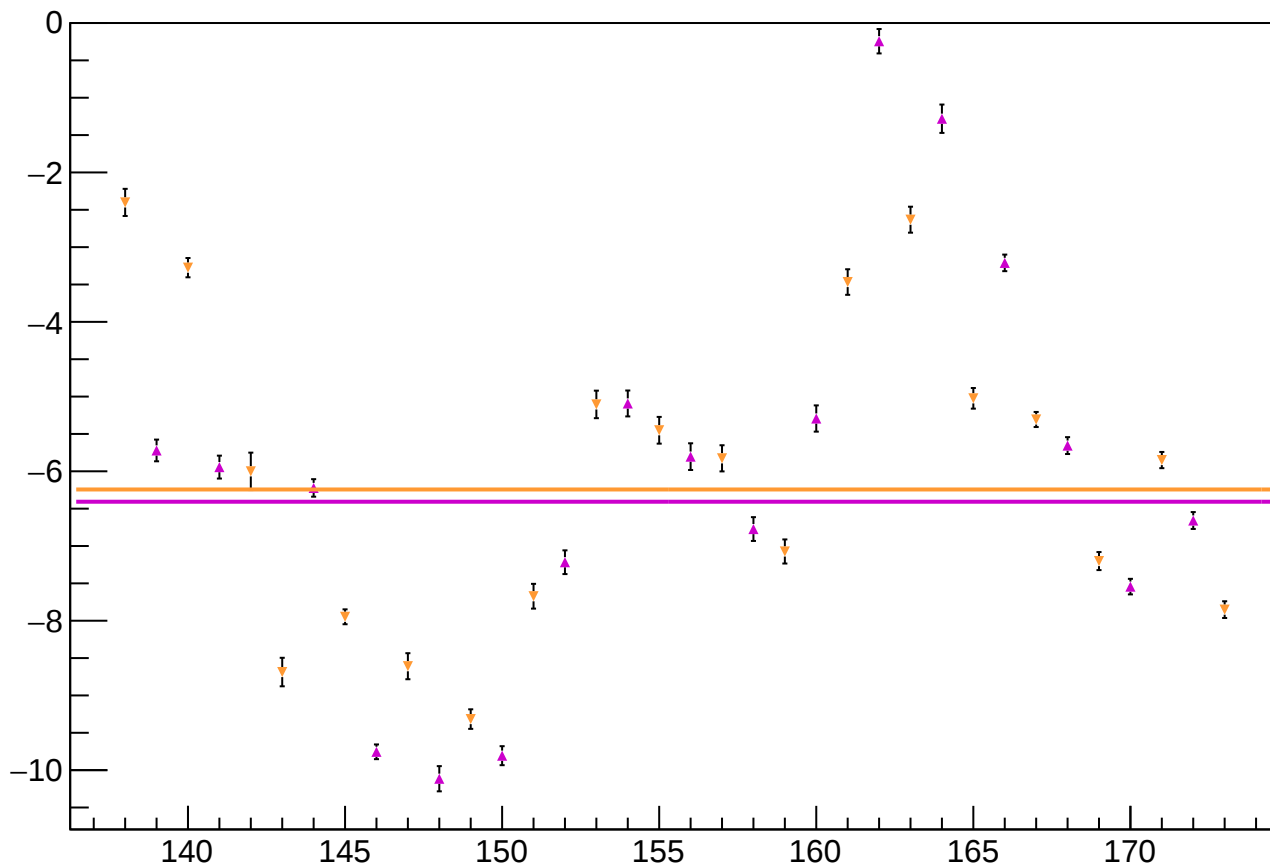
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.293+/-0.024 χ^2/NDF : 3899.3/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.124+/-0.024 χ^2/NDF : 8340.2/16

Left: -1.210+/-0.017 χ^2/NDF : 12264.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.124+/-0.024 χ^2/NDF : 8340.2/16
 Out: -1.293+/-0.024 χ^2/NDF : 3899.3/18

All: -1.210+/-0.017 χ^2/NDF : 12264.0/35

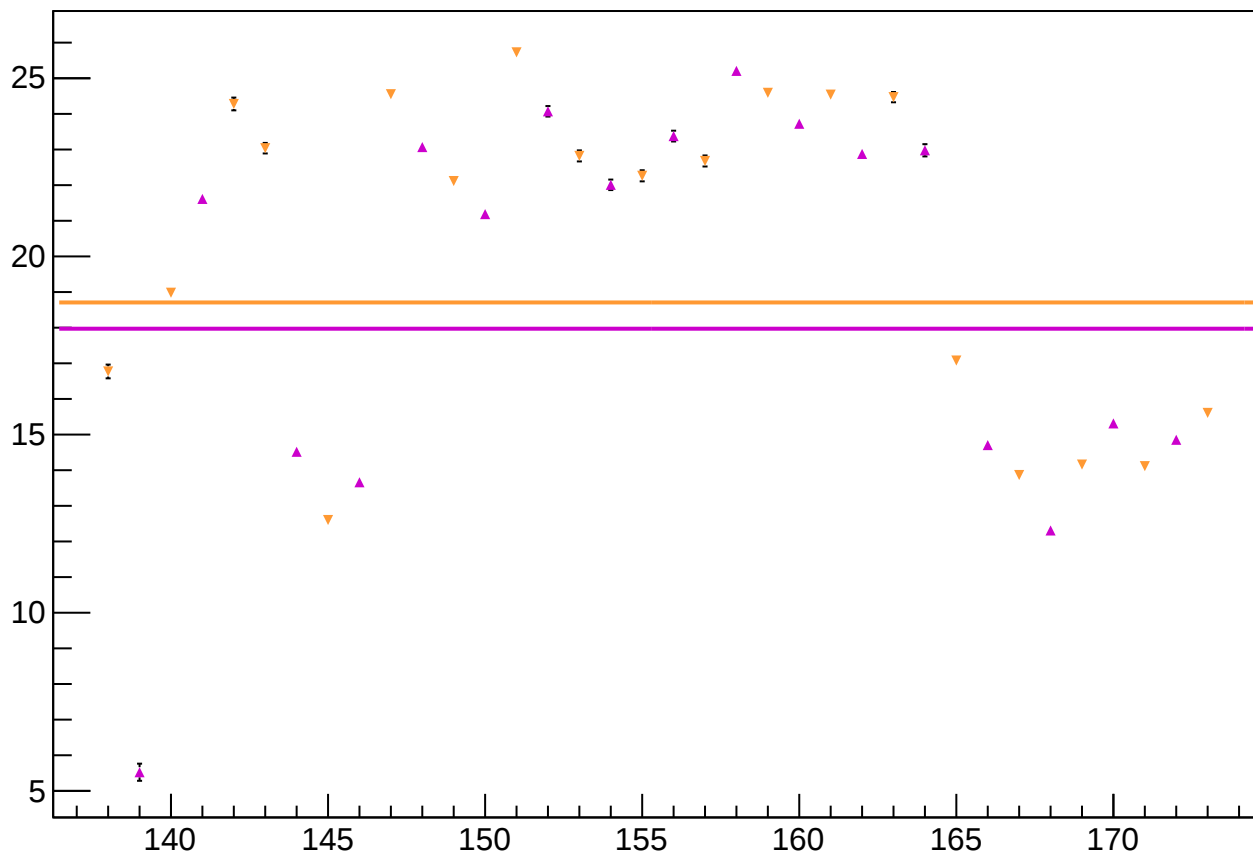
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.243+/-0.033 χ^2/NDF :3475.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.407+/-0.033 χ^2/NDF :5680.2/16

Left: -6.325+/-0.023 χ^2/NDF : 9168.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.407+/-0.033 χ^2/NDF :5680.2/16
 Out: -6.243+/-0.033 χ^2/NDF :3475.7/18
 All: -6.325+/-0.023 χ^2/NDF : 9168.5/35

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: 18.708+/-0.027 χ^2/NDF :29277.7/18

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

Left In: 17.971+/-0.028 χ^2/NDF :26949.2/16

Left: 18.349+/-0.020 χ^2/NDF : 56579.8/35

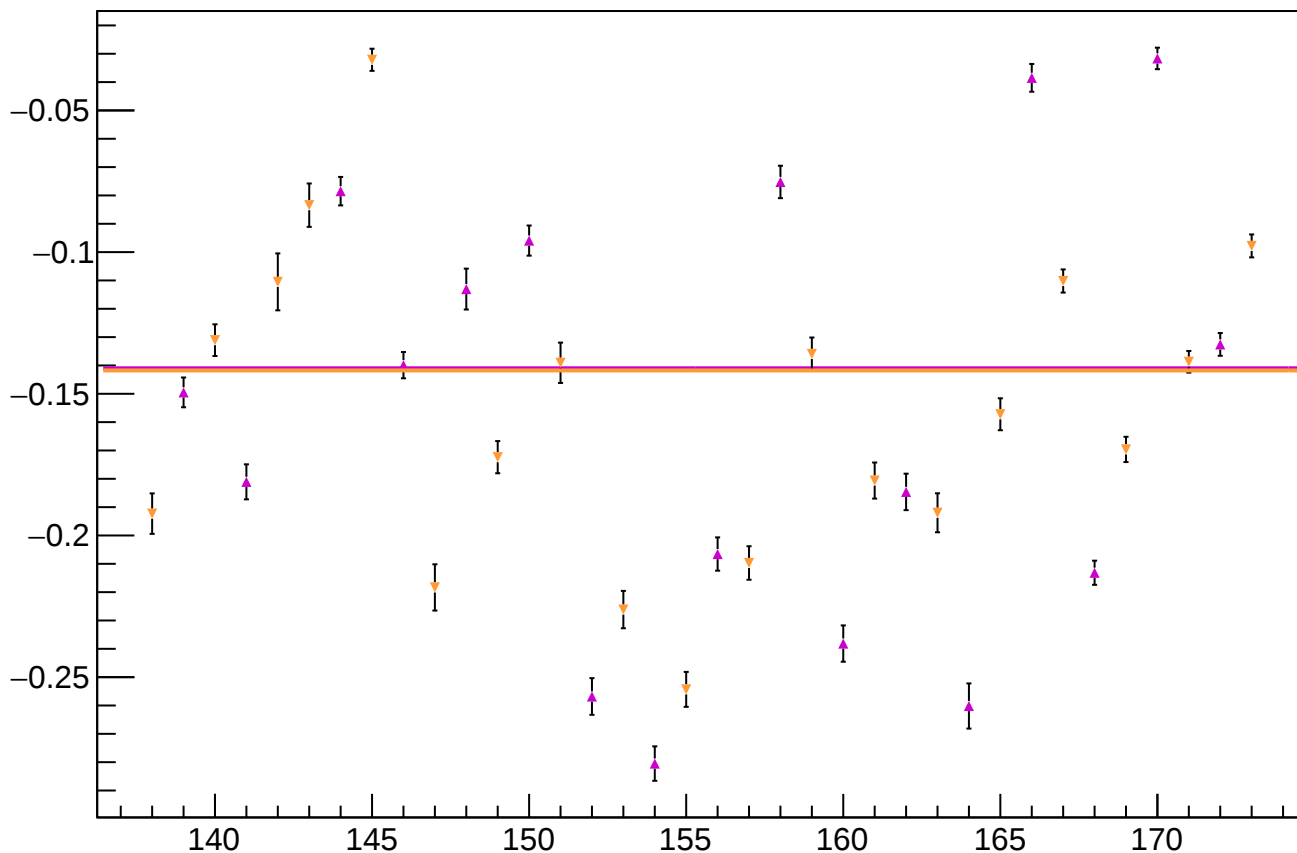
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 17.971+/-0.028 χ^2/NDF :26949.2/16

Out: 18.708+/-0.027 χ^2/NDF :29277.7/18

All: 18.349+/-0.020 χ^2/NDF : 56579.8/35

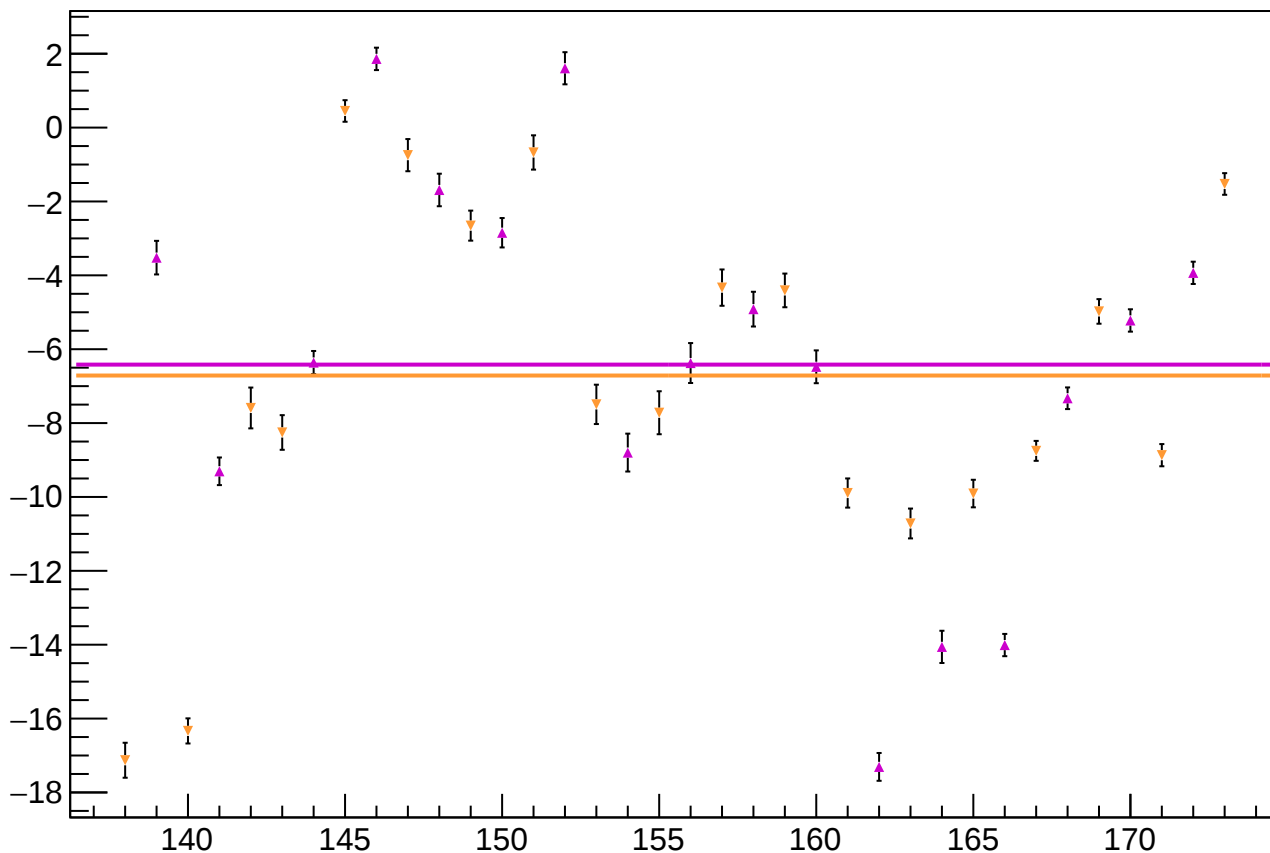
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.142+/-0.001 χ^2/NDF :1971.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.141+/-0.001 χ^2/NDF :3448.9/16

Left: -0.141+/-0.001 χ^2/NDF : 5420.1/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.141+/-0.001 χ^2/NDF :3448.9/16
 Out: -0.142+/-0.001 χ^2/NDF :1971.0/18
 All: -0.141+/-0.001 χ^2/NDF : 5420.1/35

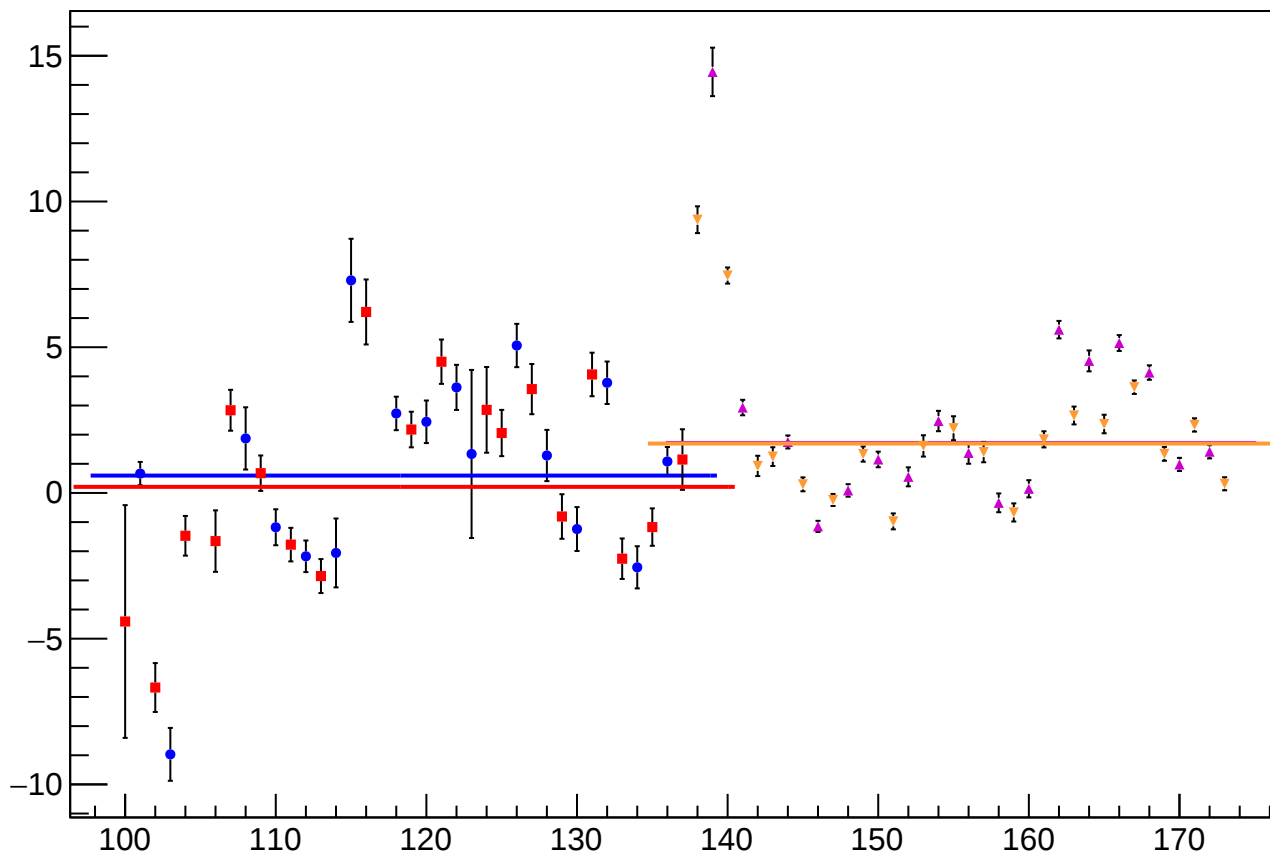
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.712+/-0.088 χ^2/NDF :3096.1/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.417+/-0.090 χ^2/NDF :3282.6/16

Left: -6.568+/-0.063 χ^2/NDF : 6384.3/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.417+/-0.090 χ^2/NDF :3282.6/16
 Out: -6.712+/-0.088 χ^2/NDF :3096.1/18
 All: -6.568+/-0.063 χ^2/NDF : 6384.3/35

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.596 ± 0.169 χ^2/NDF : 291.2/16

Left Out: 1.695 ± 0.064 χ^2/NDF : 1132.5/18

Right Out: 0.209 ± 0.175 χ^2/NDF : 273.5/18

Left In: 1.715 ± 0.066 χ^2/NDF : 1124.0/16

Left: 1.705 ± 0.046 χ^2/NDF : 2256.5/35

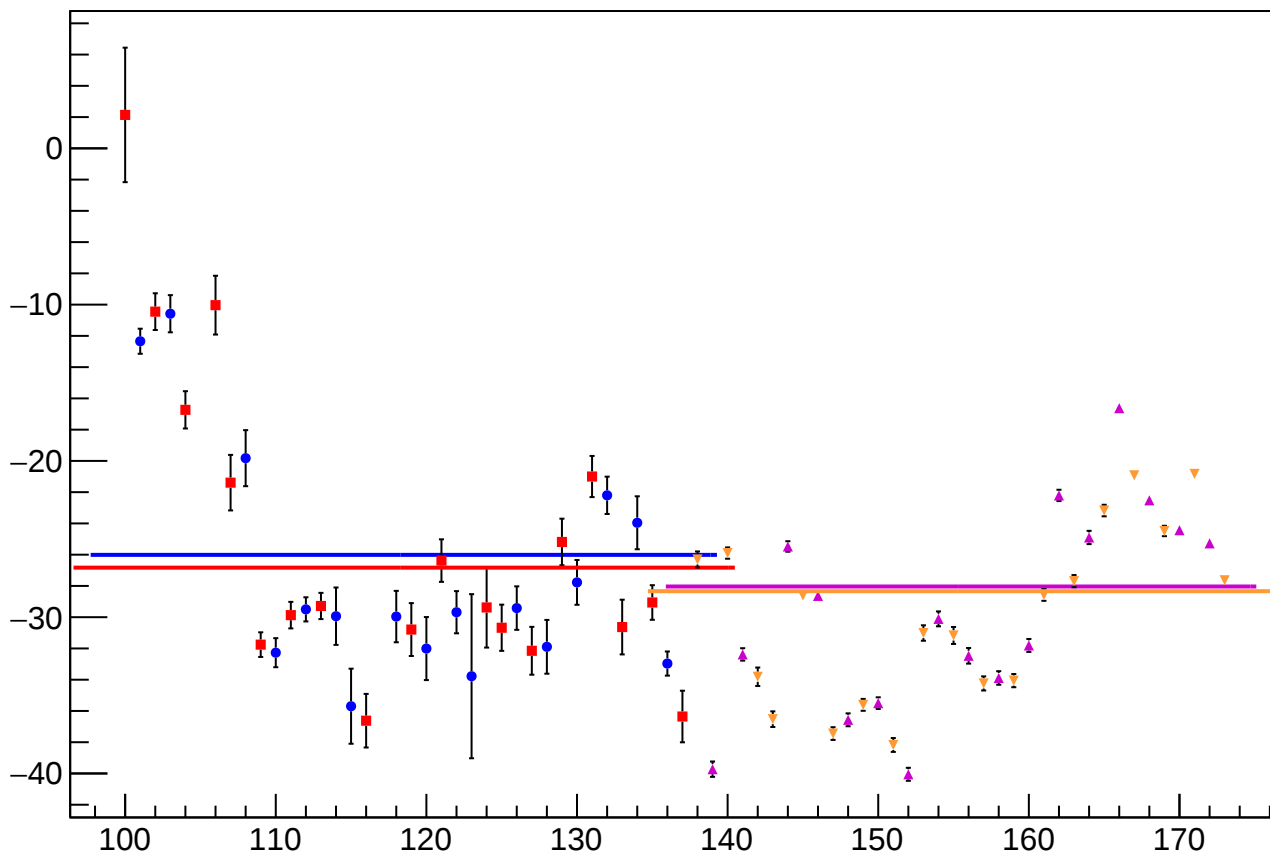
Right: 0.409 ± 0.121 χ^2/NDF : 567.2/35

In: 1.568 ± 0.061 χ^2/NDF : 1453.3/33

Out: 1.520 ± 0.060 χ^2/NDF : 1469.8/37

All: 1.543 ± 0.043 χ^2/NDF : 2923.4/71

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -26.012 ± 0.300 χ^2/NDF : 692.9/16

Left Out: -28.336 ± 0.088 χ^2/NDF : 3857.1/18

Right Out: -26.829 ± 0.297 χ^2/NDF : 581.6/18

Left In: -28.037 ± 0.089 χ^2/NDF : 5030.6/16

Left: -28.188 ± 0.063 χ^2/NDF : 8893.4/35

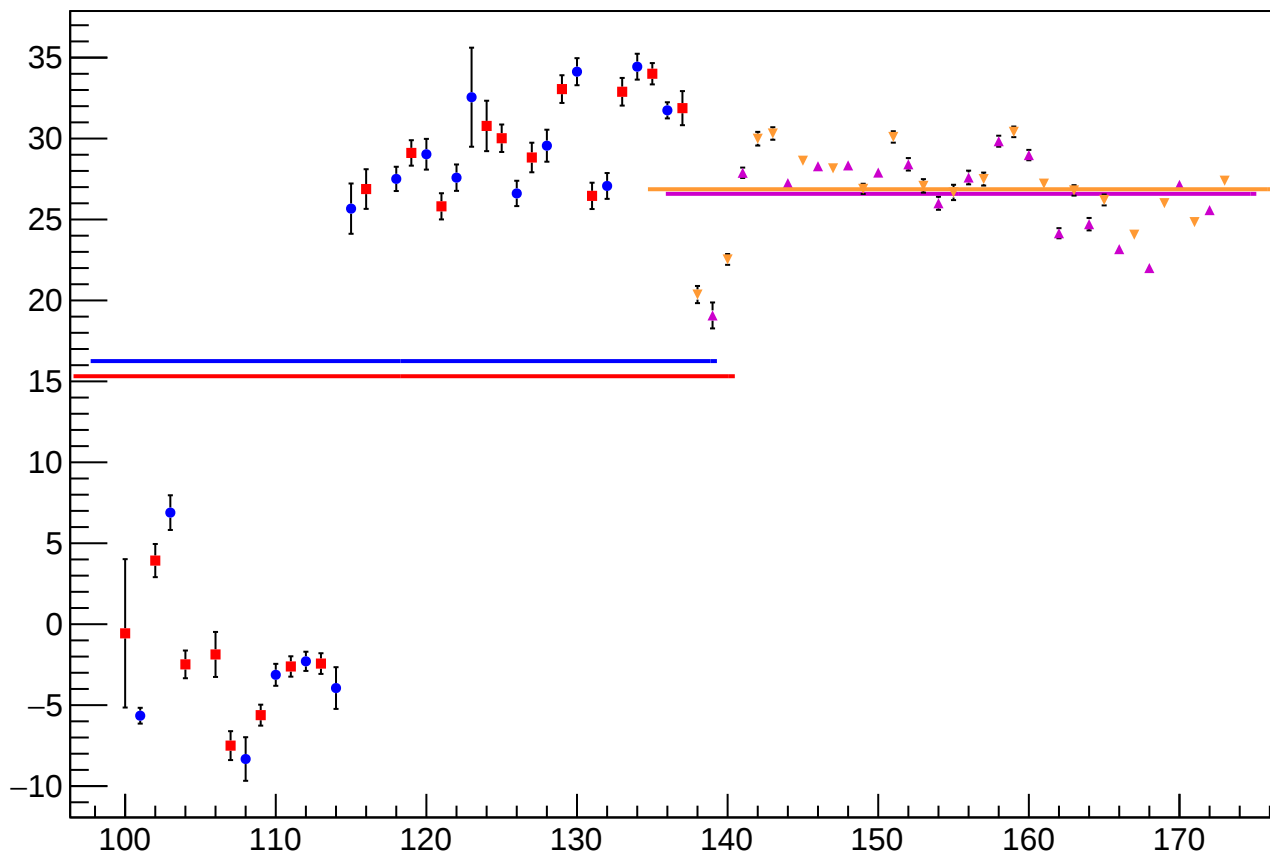
Right: -26.423 ± 0.211 χ^2/NDF : 1278.3/35

In: -27.872 ± 0.085 χ^2/NDF : 5765.5/33

Out: -28.215 ± 0.084 χ^2/NDF : 4462.3/37

All: -28.046 ± 0.060 χ^2/NDF : 10236.0/71

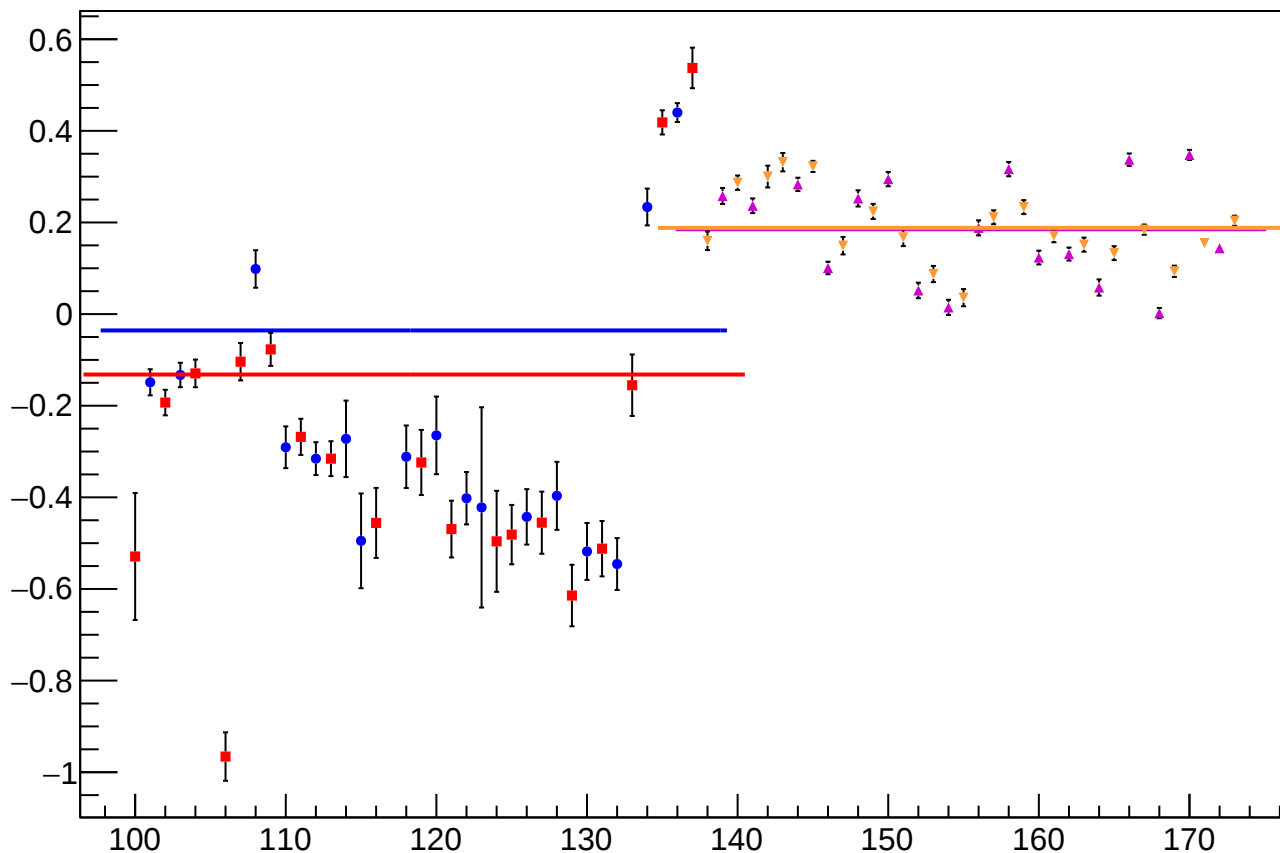
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.253 $\pm$ 0.191 χ^2 /NDF: 7611.3/16
 Left Out: 26.869 $\pm$ 0.073 χ^2 /NDF: 925.5/18
 Right Out: 15.318 $\pm$ 0.197 χ^2 /NDF: 7280.1/18
 Left In: 26.585 $\pm$ 0.076 χ^2 /NDF: 885.6/16

Left: 26.732 $\pm$ 0.053 χ^2 /NDF: 1818.3/35
 Right: 15.800 $\pm$ 0.137 χ^2 /NDF: 14903.0/35
 In: 25.182 $\pm$ 0.070 χ^2 /NDF: 11025.1/33
 Out: 25.466 $\pm$ 0.069 χ^2 /NDF: 11226.2/37
 All: 25.327 $\pm$ 0.049 χ^2 /NDF: 22259.6/71

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.036 ± 0.010 χ^2/NDF : 1014.5/16

Left Out: 0.188 ± 0.003 χ^2/NDF : 447.6/18

Right Out: -0.132 ± 0.010 χ^2/NDF : 1171.3/18

Left In: 0.185 ± 0.003 χ^2/NDF : 1117.4/16

Left: 0.187 ± 0.002 χ^2/NDF : 1565.3/35

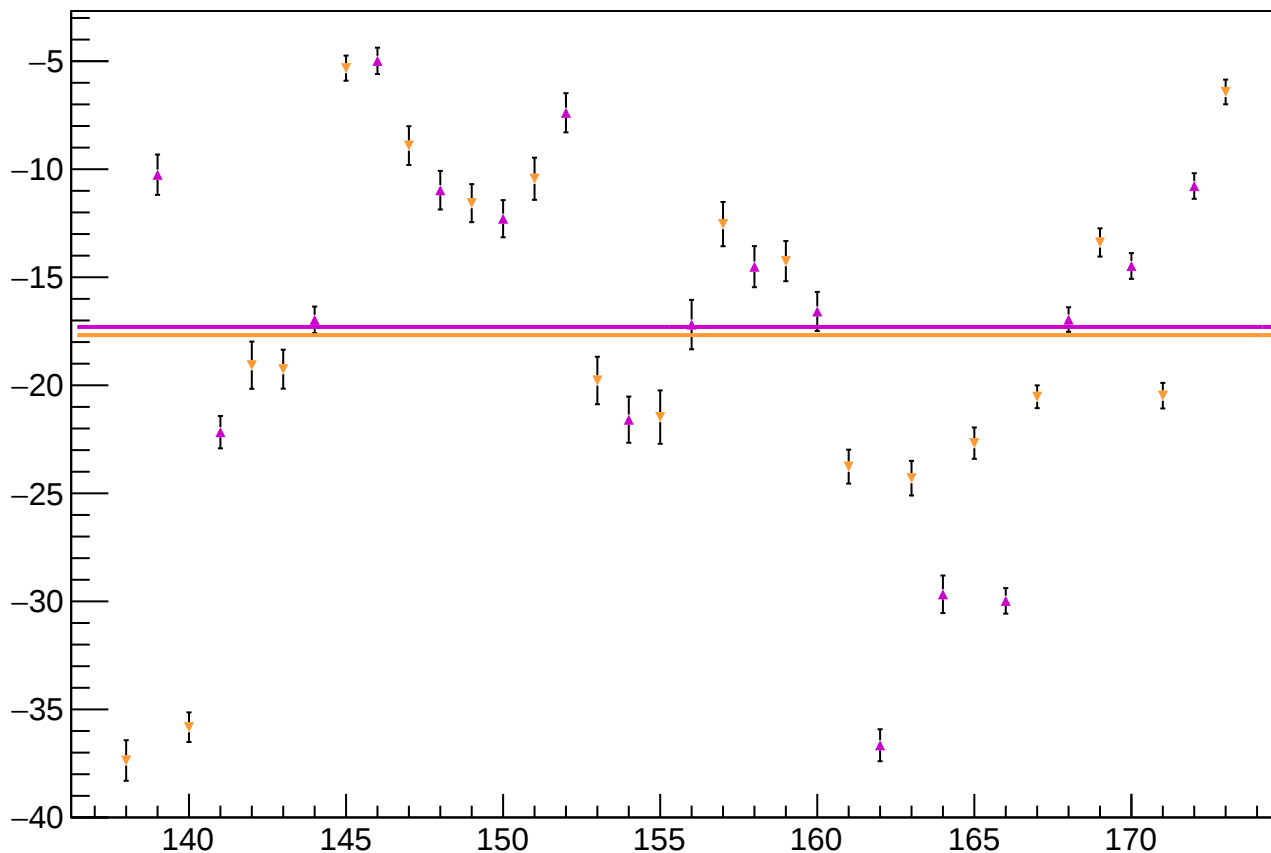
Right: -0.084 ± 0.007 χ^2/NDF : 2229.1/35

In: 0.162 ± 0.003 χ^2/NDF : 2543.4/33

Out: 0.157 ± 0.003 χ^2/NDF : 2481.0/37

All: 0.160 ± 0.002 χ^2/NDF : 5025.7/71

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.679+/-0.176 χ^2/NDF : 2506.2/18

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

Left In: -17.300+/-0.180 χ^2/NDF : 2225.6/16

Left: -17.494+/-0.126 χ^2/NDF : 4734.1/35

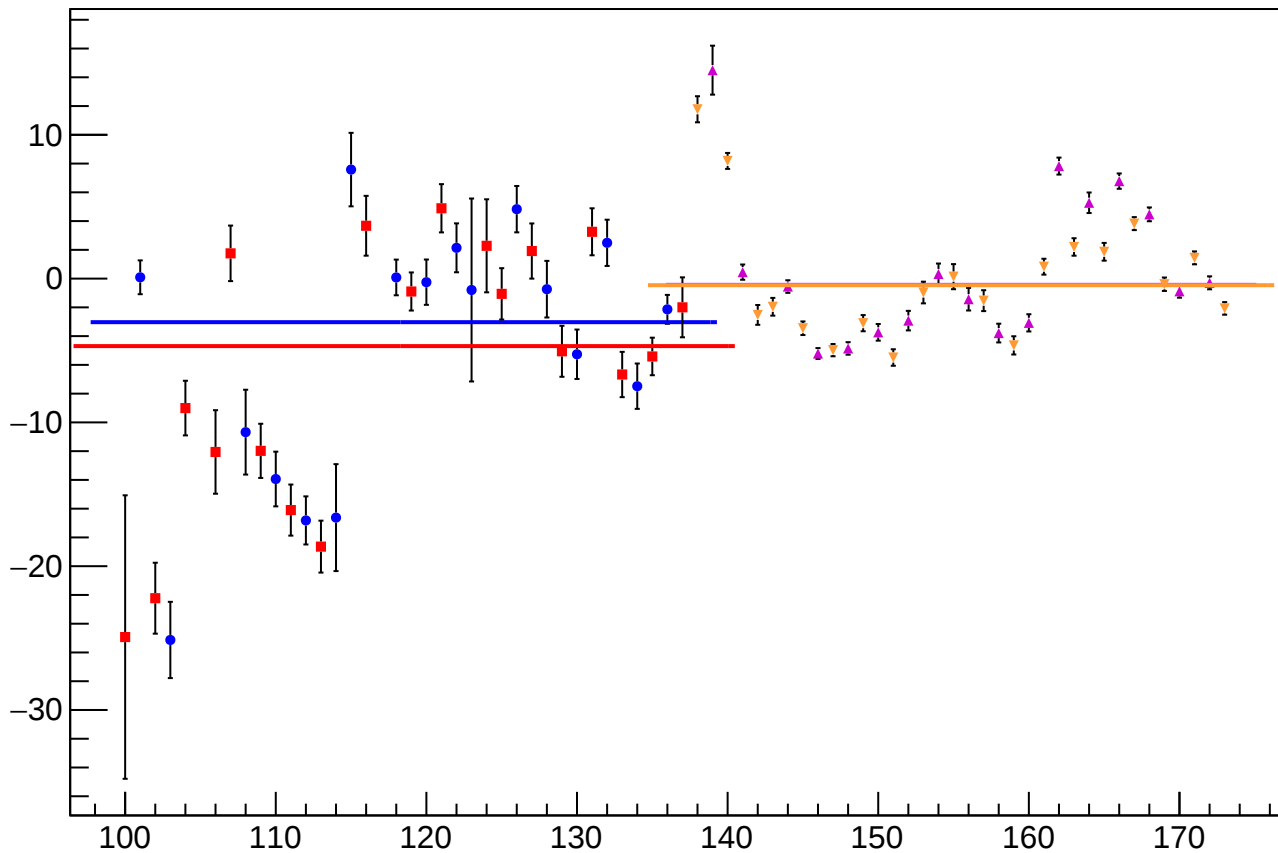
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.300+/-0.180 χ^2/NDF : 2225.6/16

Out: -17.679+/-0.176 χ^2/NDF : 2506.2/18

All: -17.494+/-0.126 χ^2/NDF : 4734.1/35

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.030 ± 0.408 $\chi^2/\text{NDF}: 280.8/16$

Left Out: -0.459 ± 0.128 $\chi^2/\text{NDF}: 897.7/18$

Right Out: -4.694 ± 0.427 $\chi^2/\text{NDF}: 298.3/18$

Left In: -0.435 ± 0.131 $\chi^2/\text{NDF}: 985.1/16$

Left: -0.447 ± 0.092 $\chi^2/\text{NDF}: 1882.8/35$

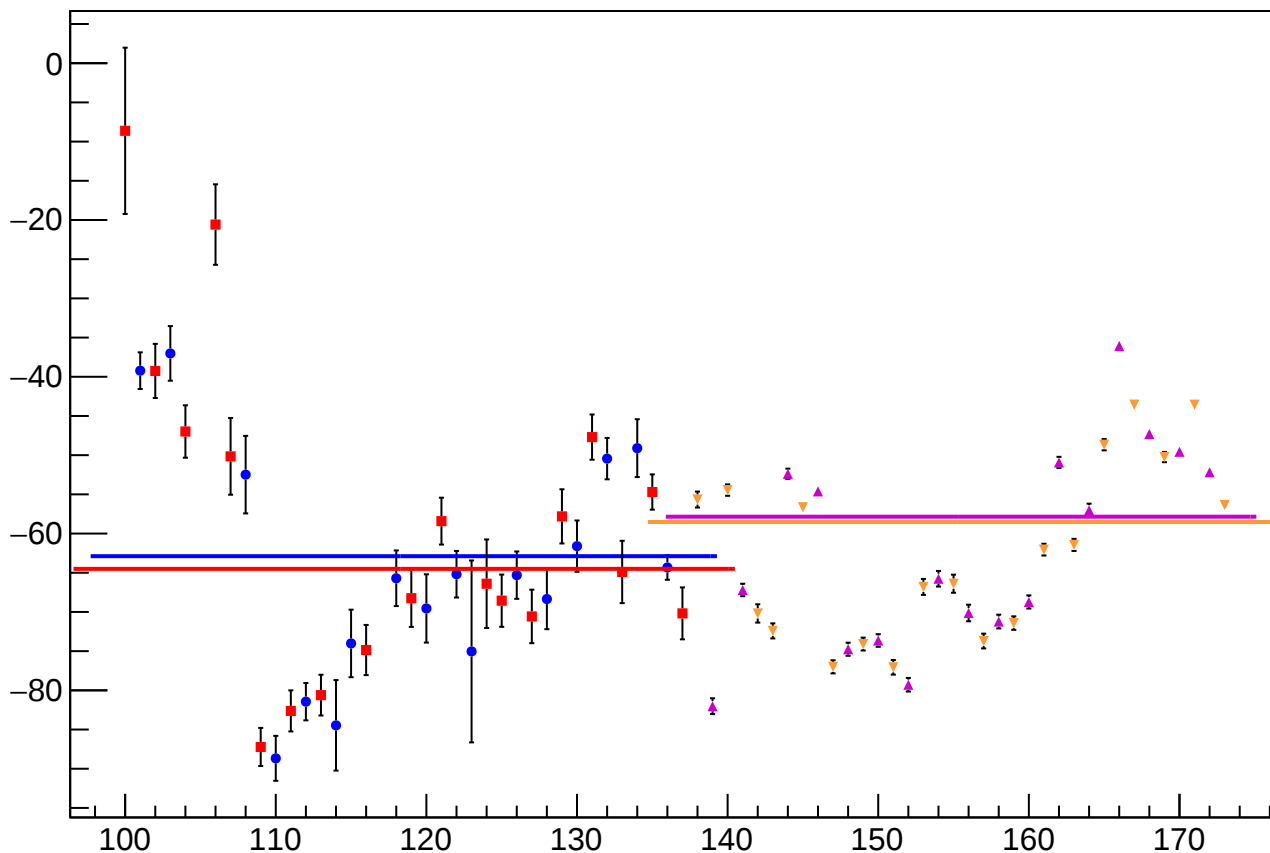
Right: -3.824 ± 0.295 $\chi^2/\text{NDF}: 587.0/35$

In: -0.680 ± 0.125 $\chi^2/\text{NDF}: 1302.7/33$

Out: -0.808 ± 0.123 $\chi^2/\text{NDF}: 1286.3/37$

All: -0.745 ± 0.088 $\chi^2/\text{NDF}: 2589.5/71$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.887 ± 0.738 $\chi^2/\text{NDF}: 368.7/16$

Left Out: -58.525 ± 0.176 $\chi^2/\text{NDF}: 3991.1/18$

Right Out: -64.502 ± 0.751 $\chi^2/\text{NDF}: 444.1/18$

Left In: -57.850 ± 0.179 $\chi^2/\text{NDF}: 4830.9/16$

Left: -58.192 ± 0.125 $\chi^2/\text{NDF}: 8829.2/35$

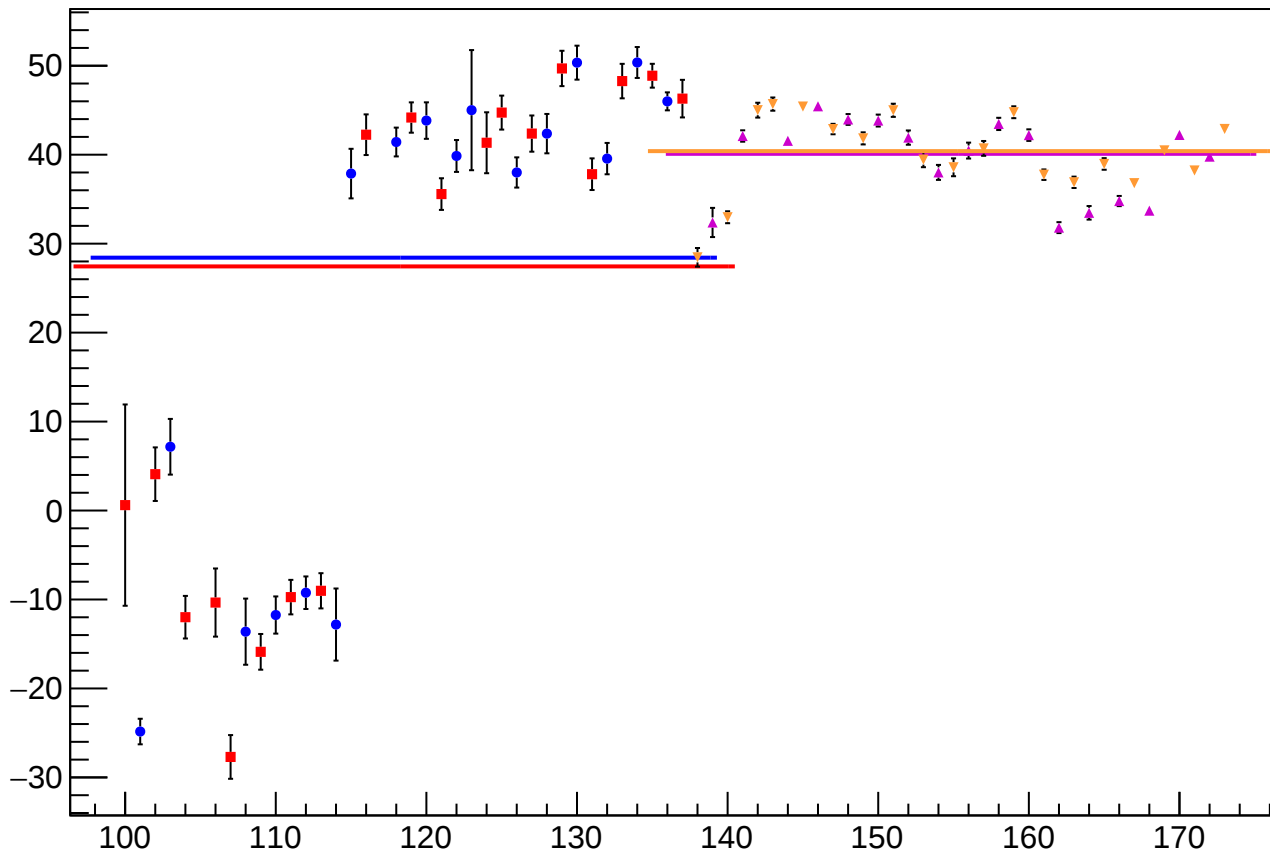
Right: -63.680 ± 0.526 $\chi^2/\text{NDF}: 815.2/35$

In: -58.128 ± 0.174 $\chi^2/\text{NDF}: 5243.6/33$

Out: -58.836 ± 0.171 $\chi^2/\text{NDF}: 4495.2/37$

All: -58.487 ± 0.122 $\chi^2/\text{NDF}: 9747.2/71$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.425 $\pm$ 0.457 χ^2 /NDF: 3330.3/16

Left Out: 40.400 $\pm$ 0.147 χ^2 /NDF:681.0/18

Right Out: 27.441 $\pm$ 0.479 χ^2 /NDF: 3033.0/18

Left In: 40.099 $\pm$ 0.152 χ^2 /NDF:776.9/16

Left: 40.254 $\pm$ 0.105 χ^2 /NDF: 1459.9/35

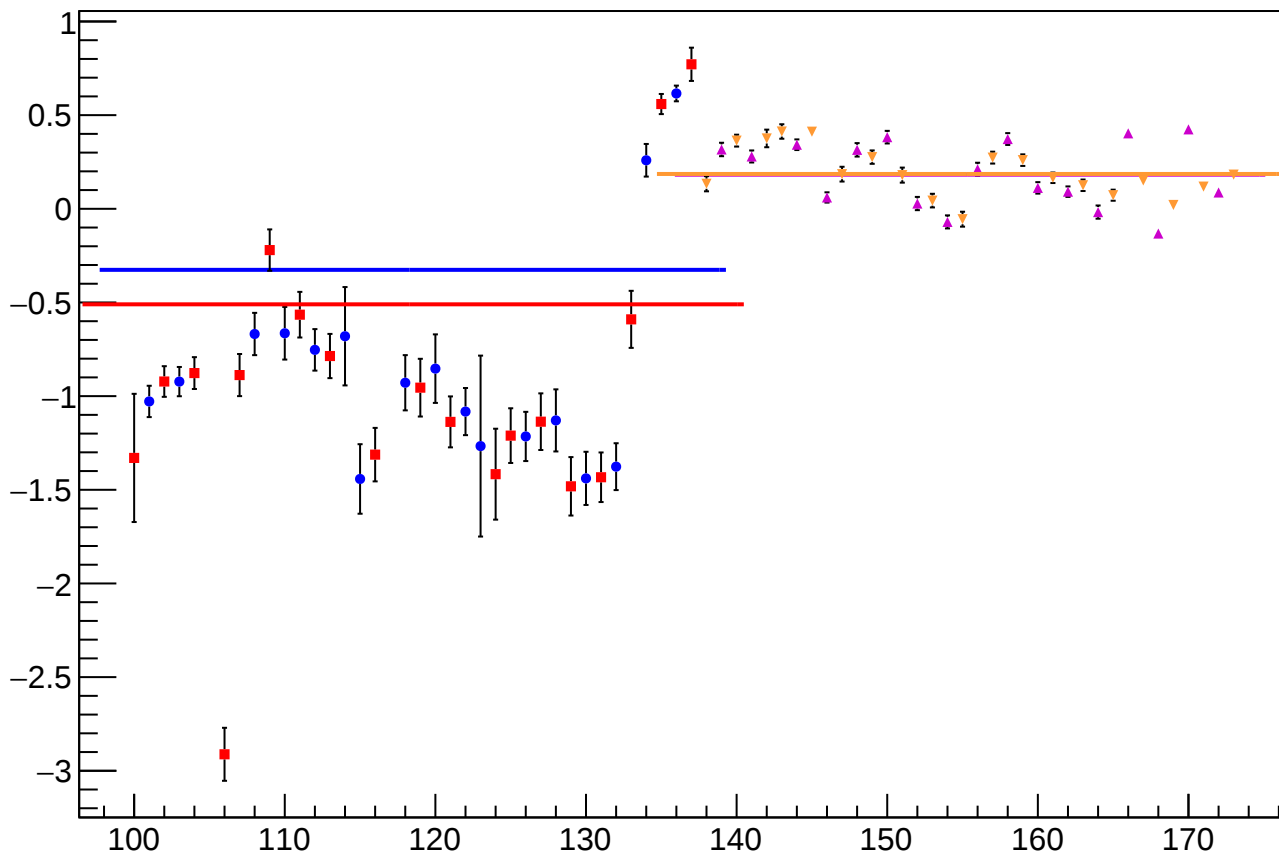
Right: 27.956 $\pm$ 0.331 χ^2 /NDF: 6365.5/35

In: 38.942 $\pm$ 0.144 χ^2 /NDF:4694.8/33

Out: 39.289 $\pm$ 0.140 χ^2 /NDF:4384.1/37

All: 39.120 $\pm$ 0.100 χ^2 /NDF: 9081.9/71

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.326 ± 0.025 χ^2/NDF : 1013.0/16

Left Out: 0.186 ± 0.007 χ^2/NDF : 321.0/18

Right Out: -0.510 ± 0.026 χ^2/NDF : 1169.4/18

Left In: 0.182 ± 0.007 χ^2/NDF : 699.3/16

Left: 0.184 ± 0.005 χ^2/NDF : 1020.4/35

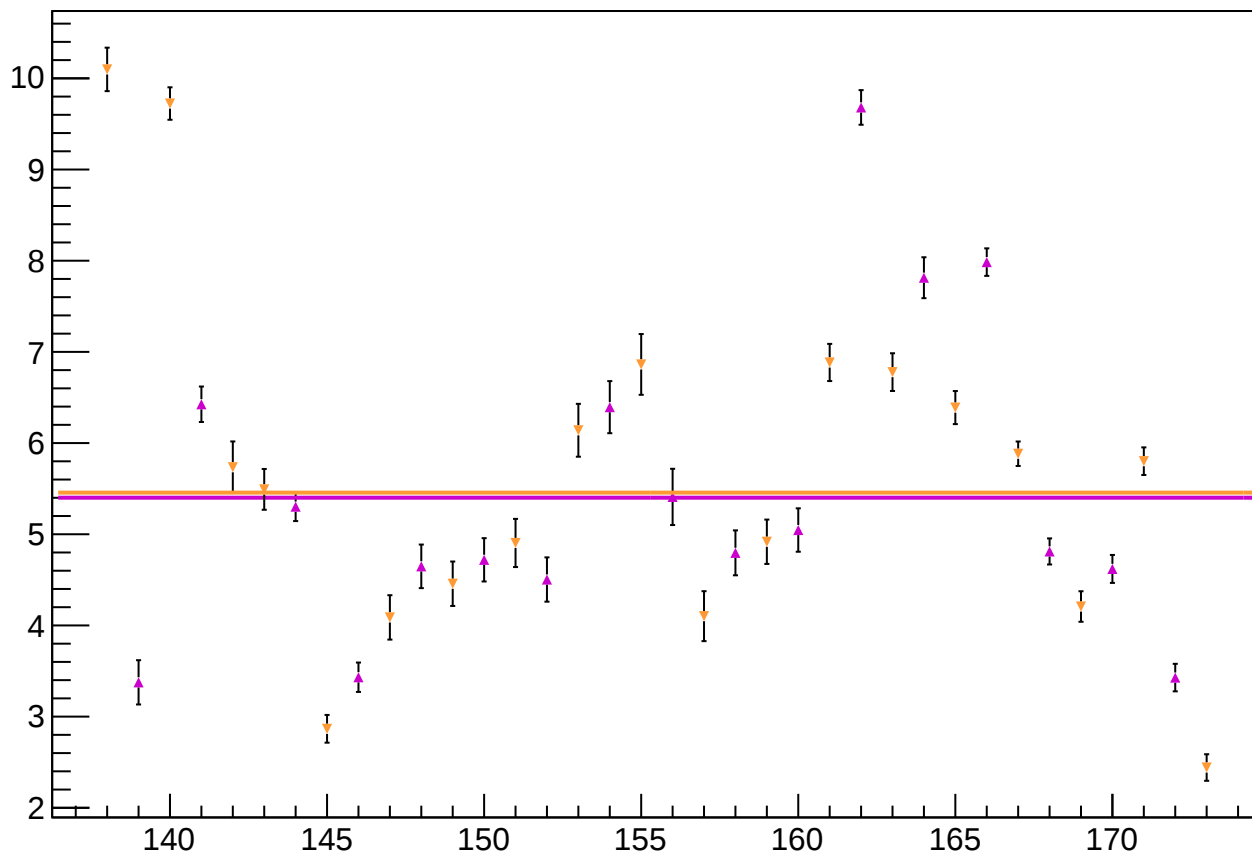
Right: -0.415 ± 0.018 χ^2/NDF : 2208.8/35

In: 0.145 ± 0.007 χ^2/NDF : 2097.9/33

Out: 0.140 ± 0.007 χ^2/NDF : 2175.6/37

All: 0.143 ± 0.005 χ^2/NDF : 4273.7/71

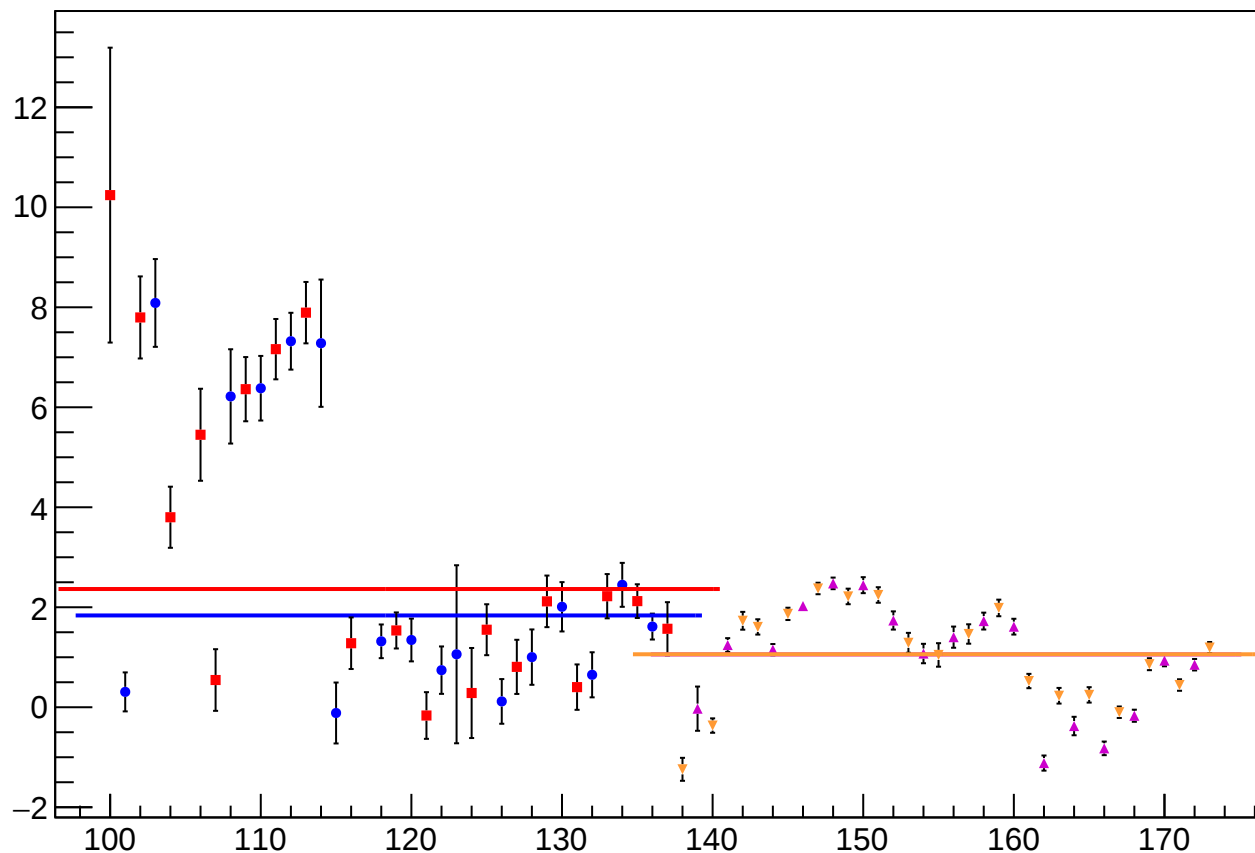
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 5.457 $\pm$ 0.045 χ^2/NDF :1966.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 5.401 $\pm$ 0.047 χ^2/NDF :1430.0/16

Left: 5.430 $\pm$ 0.033 χ^2/NDF : 3396.9/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 5.401 $\pm$ 0.047 χ^2/NDF :1430.0/16
 Out: 5.457 $\pm$ 0.045 χ^2/NDF :1966.2/18
 All: 5.430 $\pm$ 0.033 χ^2/NDF : 3396.9/35

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.836 ± 0.116 χ^2/NDF : 294.9/16

Left Out: 1.060 ± 0.033 χ^2/NDF : 753.2/18

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.4/18

Left In: 1.057 ± 0.034 χ^2/NDF : 939.1/16

Left: 1.058 ± 0.024 χ^2/NDF : 1692.3/35

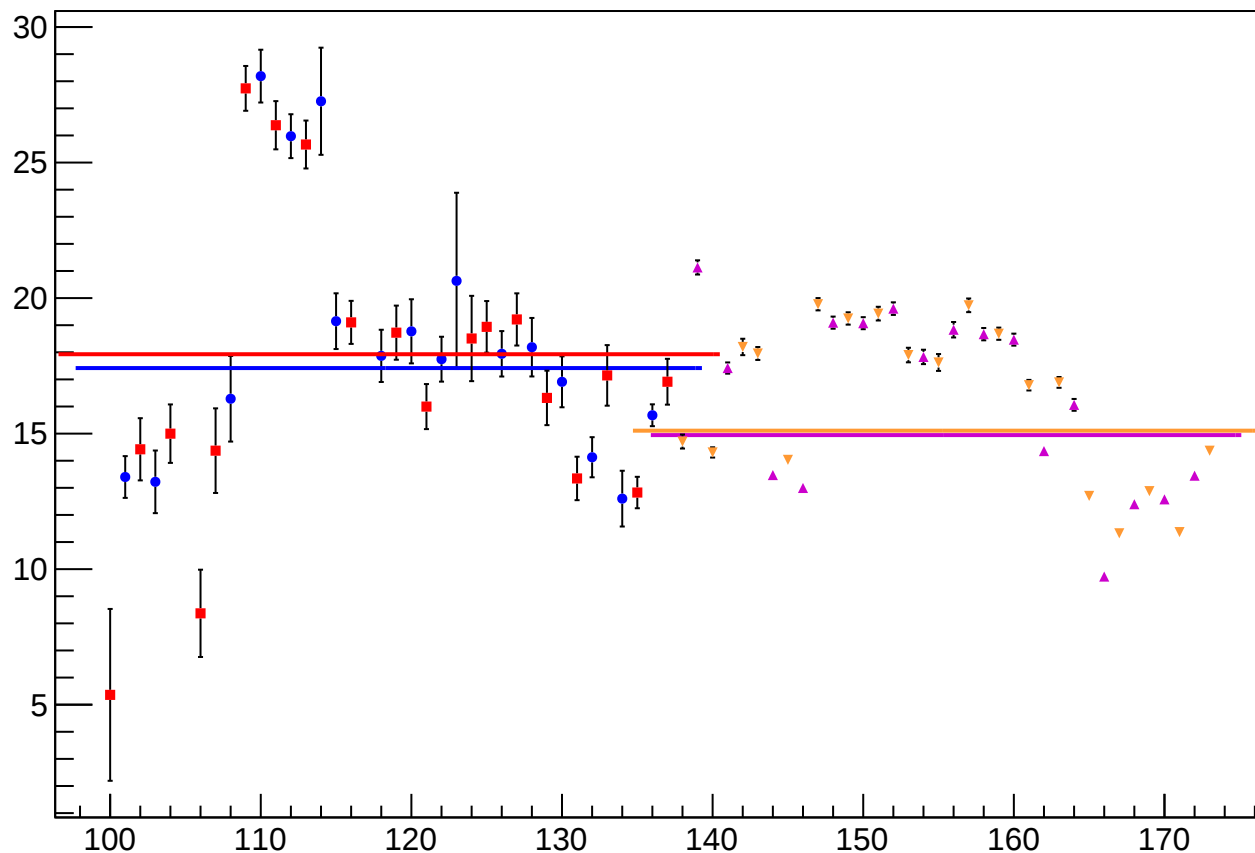
Right: 2.086 ± 0.084 χ^2/NDF : 641.1/35

In: 1.119 ± 0.033 χ^2/NDF : 1275.5/33

Out: 1.149 ± 0.032 χ^2/NDF : 1195.1/37

All: 1.134 ± 0.023 χ^2/NDF : 2471.1/71

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.418 $\pm$ 0.212 χ^2 /NDF: 366.8/16

Left Out: 15.109 $\pm$ 0.046 χ^2 /NDF:4012.5/18

Right Out: 17.929 $\pm$ 0.219 χ^2 /NDF: 506.3/18

Left In: 14.946 $\pm$ 0.046 χ^2 /NDF:4681.0/16

Left: 15.029 $\pm$ 0.033 χ^2 /NDF: 8699.7/35

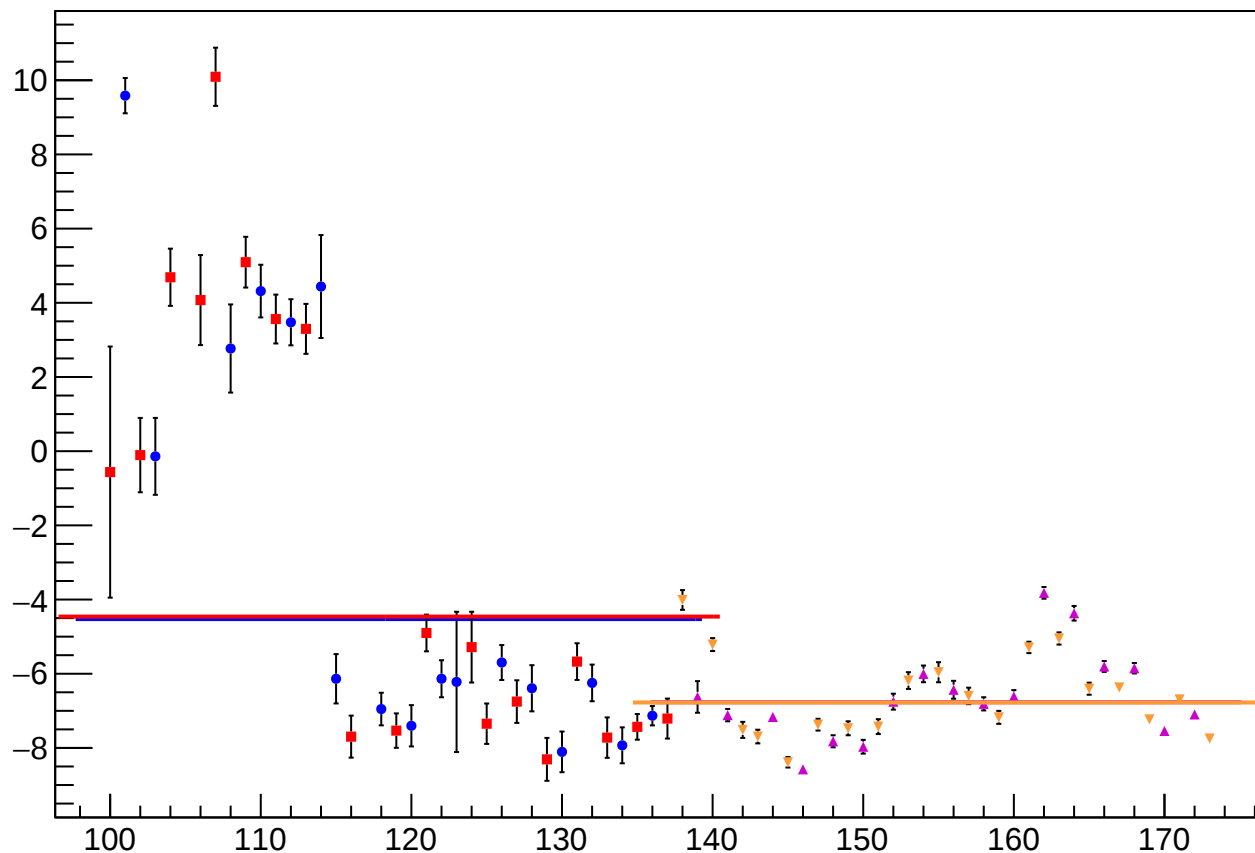
Right: 17.665 $\pm$ 0.152 χ^2 /NDF: 876.0/35

In: 15.059 $\pm$ 0.045 χ^2 /NDF:5178.0/33

Out: 15.226 $\pm$ 0.045 χ^2 /NDF:4677.9/37

All: 15.144 $\pm$ 0.032 χ^2 /NDF: 9862.8/71

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.526 ± 0.130 $\chi^2/\text{NDF}: 1590.2/16$

Left Out: -6.775 ± 0.038 $\chi^2/\text{NDF}: 710.1/18$

Right Out: -4.459 ± 0.137 $\chi^2/\text{NDF}: 1338.9/18$

Left In: -6.769 ± 0.039 $\chi^2/\text{NDF}: 952.6/16$

Left: -6.772 ± 0.027 $\chi^2/\text{NDF}: 1662.7/35$

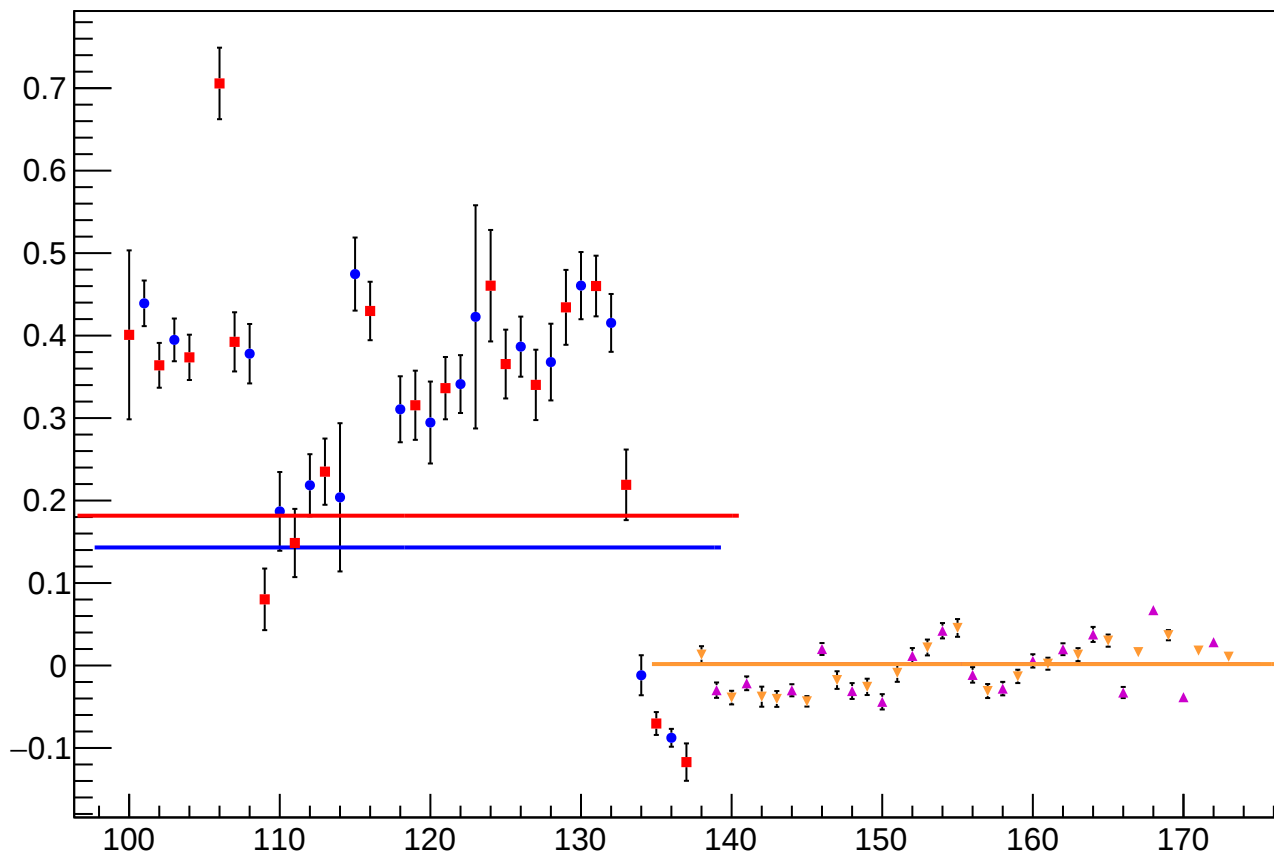
Right: -4.494 ± 0.094 $\chi^2/\text{NDF}: 2929.2/35$

In: -6.579 ± 0.038 $\chi^2/\text{NDF}: 2817.2/33$

Out: -6.609 ± 0.037 $\chi^2/\text{NDF}: 2314.4/37$

All: -6.594 ± 0.026 $\chi^2/\text{NDF}: 5132.0/71$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.143 $\pm$ 0.007 χ^2 /NDF: 1060.4/16

Left Out: 0.002 $\pm$ 0.002 χ^2 /NDF:225.0/18

Right Out: 0.182 $\pm$ 0.007 χ^2 /NDF: 1007.8/18

Left In: 0.002 $\pm$ 0.002 χ^2 /NDF:379.4/16

Left: 0.002 $\pm$ 0.001 χ^2 /NDF: 604.3/35

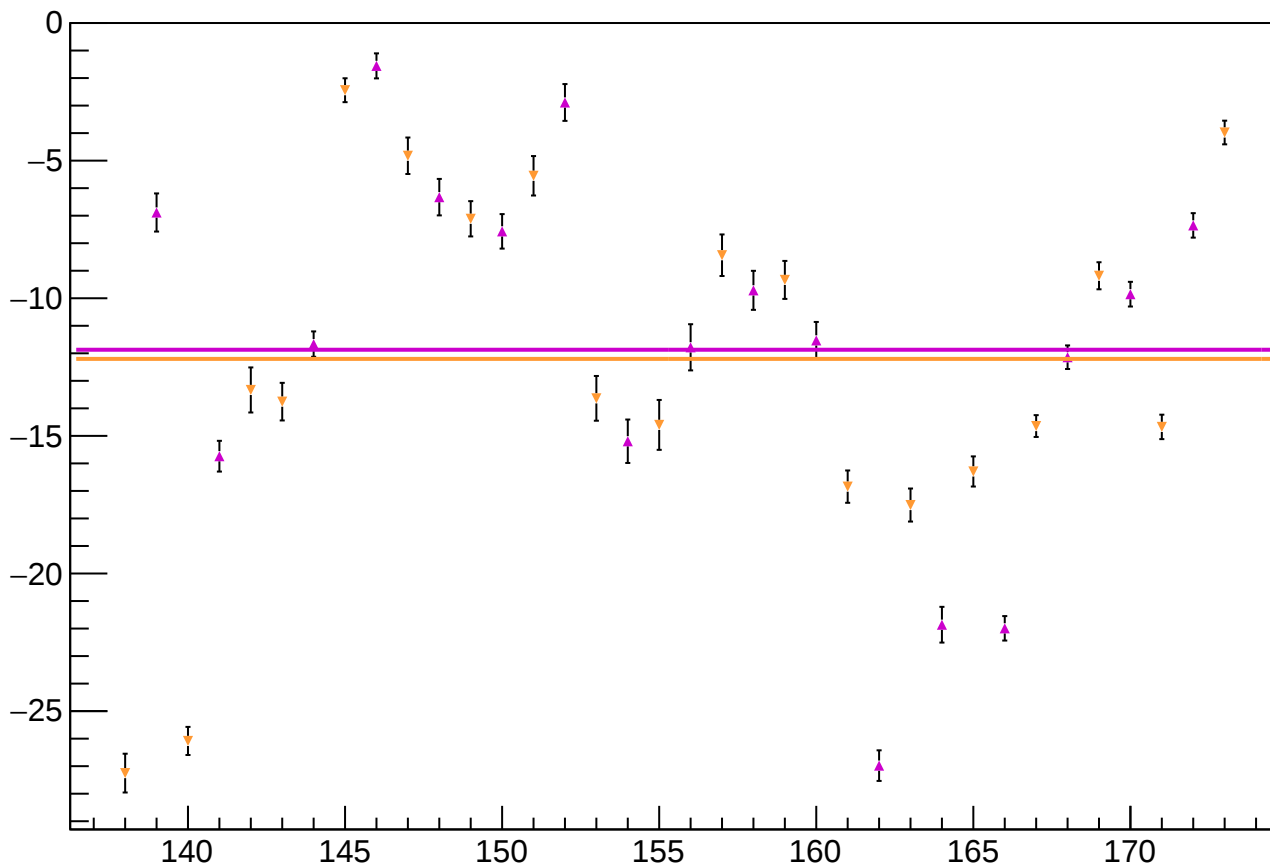
Right: 0.161 $\pm$ 0.005 χ^2 /NDF: 2082.4/35

In: 0.011 $\pm$ 0.002 χ^2 /NDF:1816.4/33

Out: 0.011 $\pm$ 0.002 χ^2 /NDF:1794.1/37

All: 0.011 $\pm$ 0.001 χ^2 /NDF: 3610.5/71

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: -12.203+/-0.131 χ^2/NDF :2702.3/18

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

Left In: -11.870+/-0.134 χ^2/NDF :2557.9/16

Left: -12.041+/-0.094 χ^2/NDF : 5263.3/35

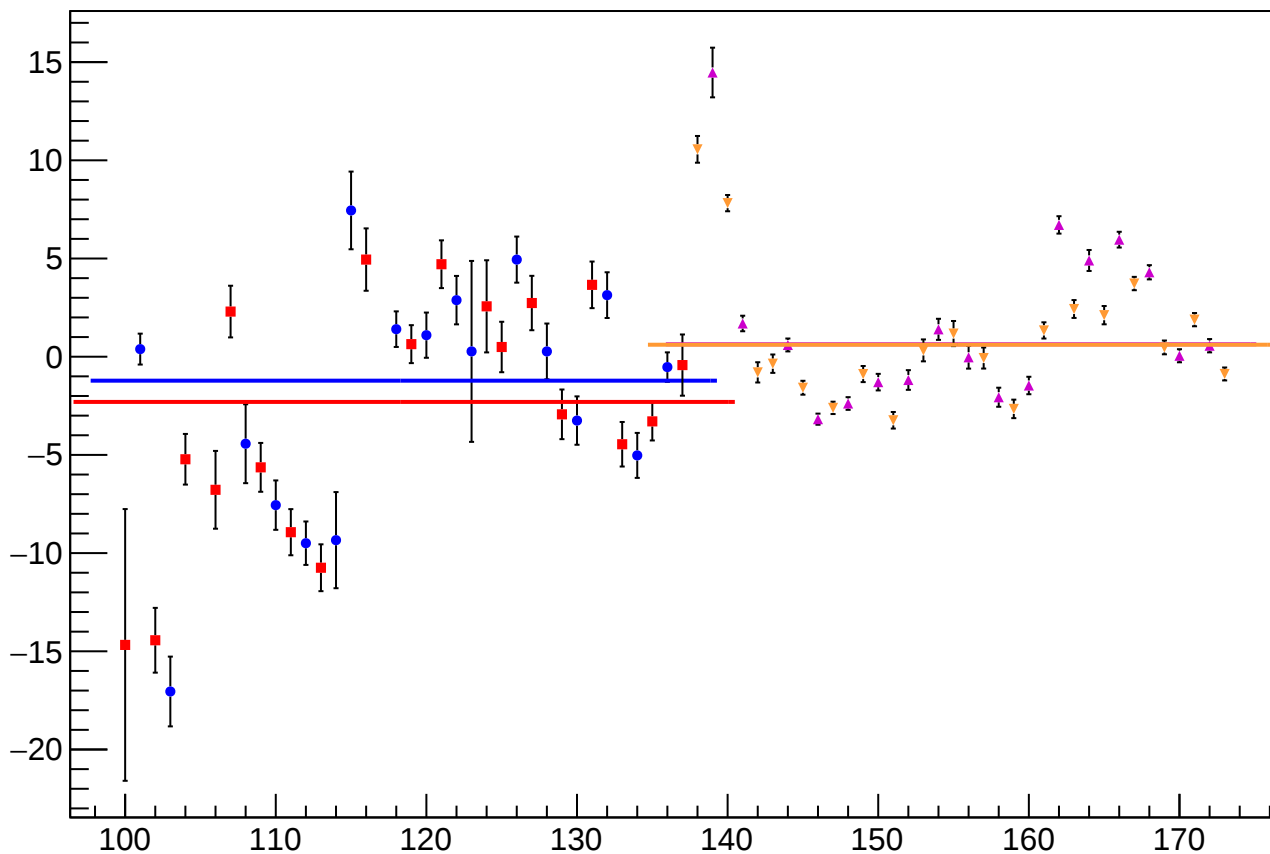
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.870+/-0.134 χ^2/NDF :2557.9/16

Out: -12.203+/-0.131 χ^2/NDF :2702.3/18

All: -12.041+/-0.094 χ^2/NDF : 5263.3/35

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.220 ± 0.290 χ^2/NDF : 278.6/16

Left Out: 0.610 ± 0.095 χ^2/NDF : 966.6/18

Right Out: -2.302 ± 0.302 χ^2/NDF : 286.2/18

Left In: 0.633 ± 0.098 χ^2/NDF : 1019.9/16

Left: 0.621 ± 0.068 χ^2/NDF : 1986.5/35

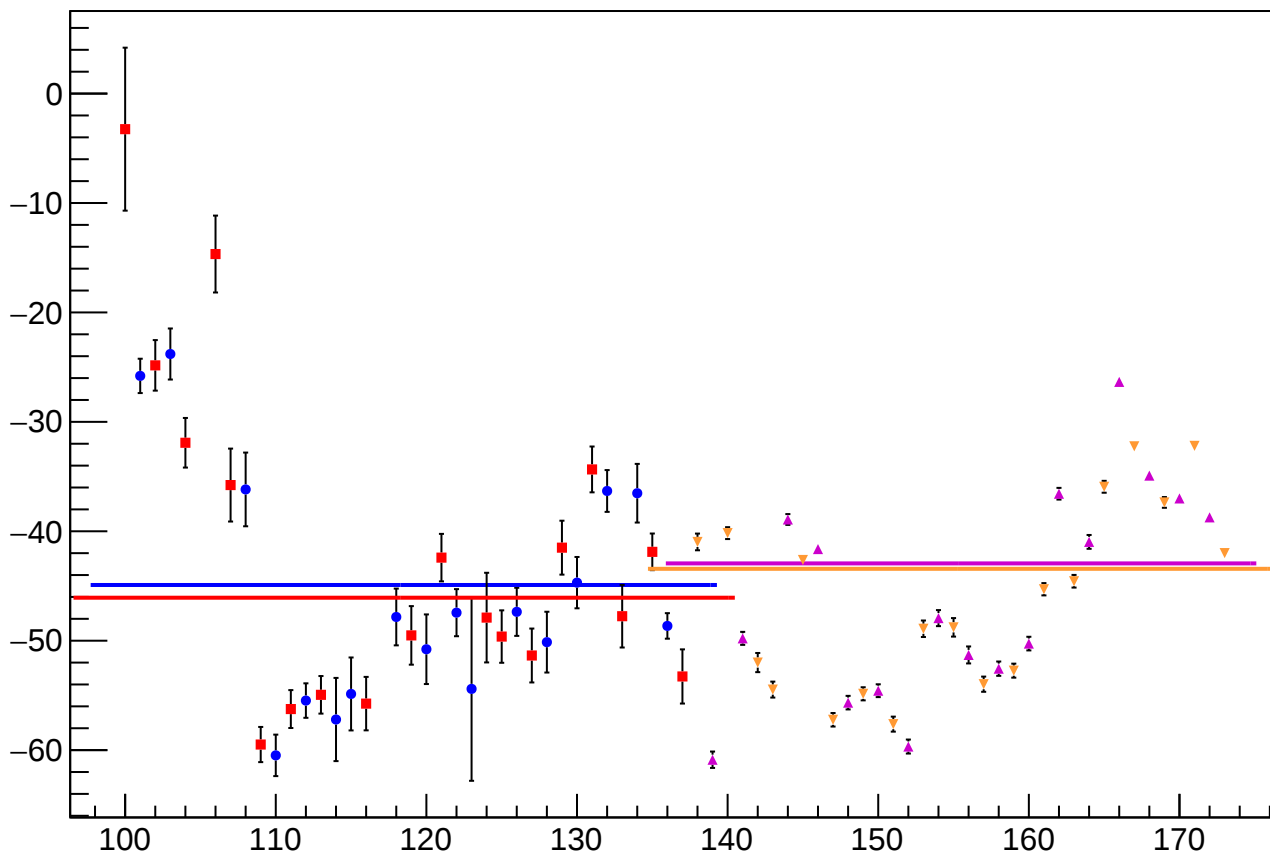
Right: -1.738 ± 0.209 χ^2/NDF : 571.5/35

In: 0.442 ± 0.093 χ^2/NDF : 1335.1/33

Out: 0.346 ± 0.091 χ^2/NDF : 1337.1/37

All: 0.393 ± 0.065 χ^2/NDF : 2672.7/71

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.908 ± 0.523 $\chi^2/\text{NDF}: 421.2/16$

Left Out: -43.431 ± 0.131 $\chi^2/\text{NDF}: 3958.9/18$

Right Out: -46.071 ± 0.528 $\chi^2/\text{NDF}: 454.0/18$

Left In: -42.935 ± 0.133 $\chi^2/\text{NDF}: 4893.0/16$

Left: -43.187 ± 0.094 $\chi^2/\text{NDF}: 8858.9/35$

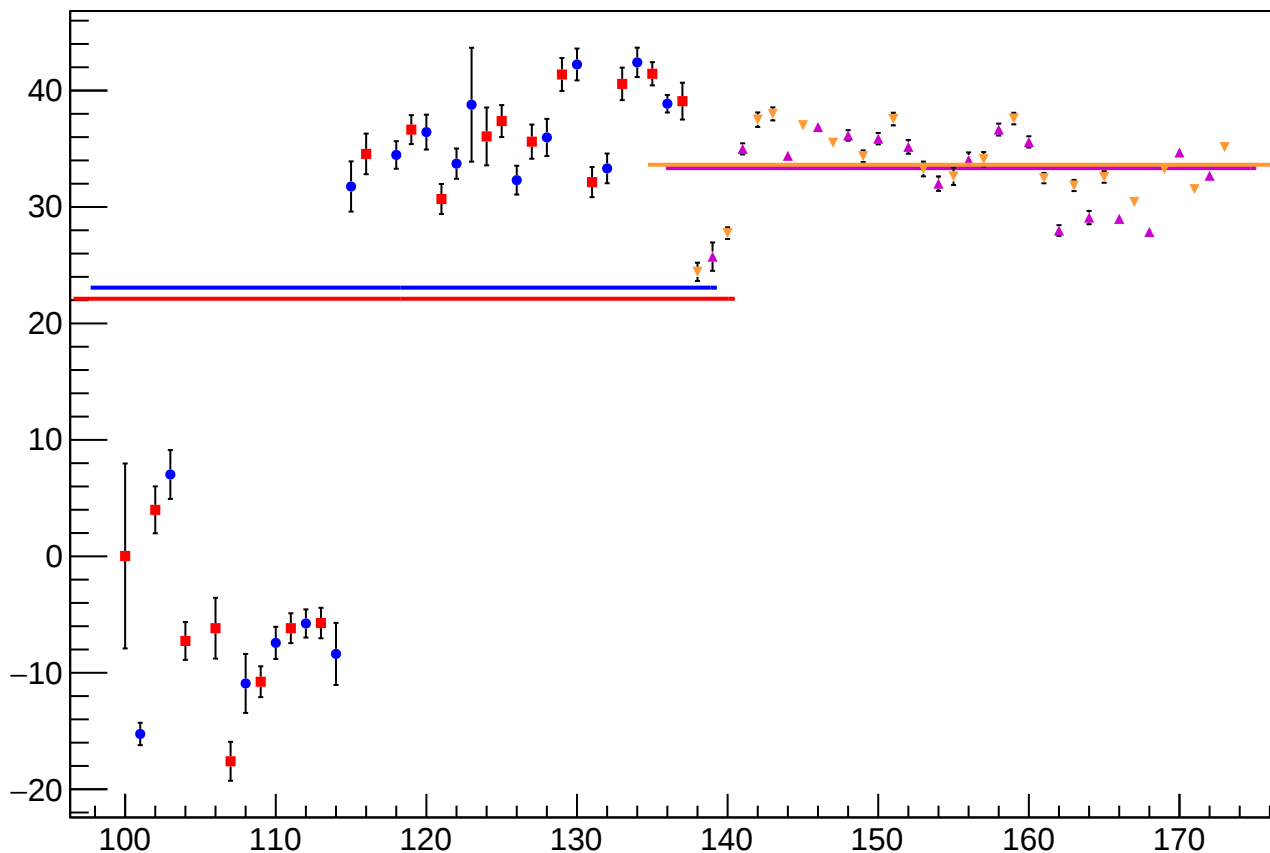
Right: -45.483 ± 0.371 $\chi^2/\text{NDF}: 877.6/35$

In: -43.056 ± 0.129 $\chi^2/\text{NDF}: 5327.5/33$

Out: -43.584 ± 0.128 $\chi^2/\text{NDF}: 4436.4/37$

All: -43.324 ± 0.091 $\chi^2/\text{NDF}: 9772.4/71$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.073 $\pm$ 0.326 χ^2 /NDF: 4346.0/16

Left Out: 33.631 $\pm$ 0.109 χ^2 /NDF: 731.3/18

Right Out: 22.122 $\pm$ 0.340 χ^2 /NDF: 4034.4/18

Left In: 33.338 $\pm$ 0.113 χ^2 /NDF: 779.0/16

Left: 33.489 $\pm$ 0.079 χ^2 /NDF: 1513.8/35

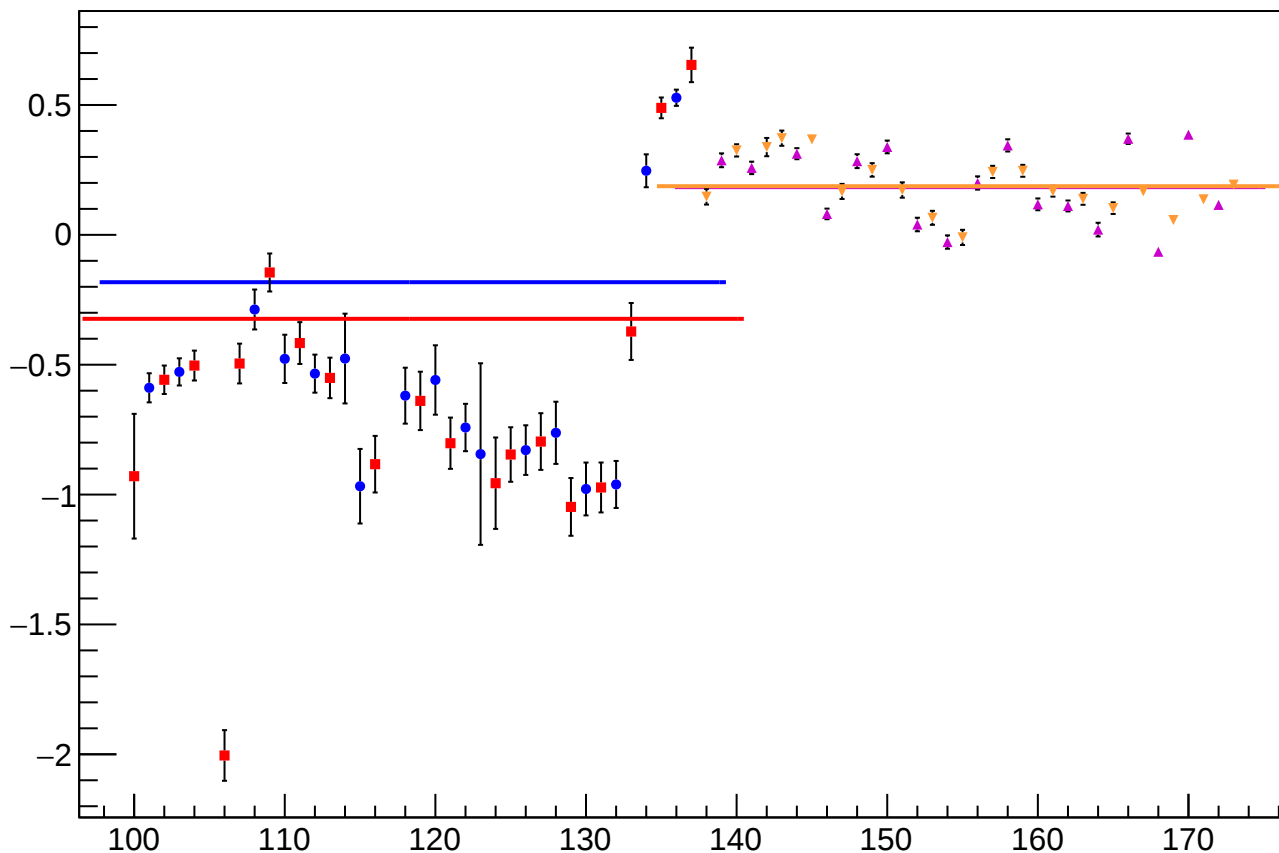
Right: 22.617 $\pm$ 0.235 χ^2 /NDF: 8384.4/35

In: 32.234 $\pm$ 0.107 χ^2 /NDF: 6009.8/33

Out: 32.550 $\pm$ 0.104 χ^2 /NDF: 5804.6/37

All: 32.396 $\pm$ 0.075 χ^2 /NDF: 11818.8/71

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.182 ± 0.018 χ^2/NDF : 998.1/16

Left Out: 0.187 ± 0.005 χ^2/NDF : 360.7/18

Right Out: -0.323 ± 0.018 χ^2/NDF : 1184.5/18

Left In: 0.184 ± 0.005 χ^2/NDF : 831.0/16

Left: 0.186 ± 0.004 χ^2/NDF : 1191.9/35

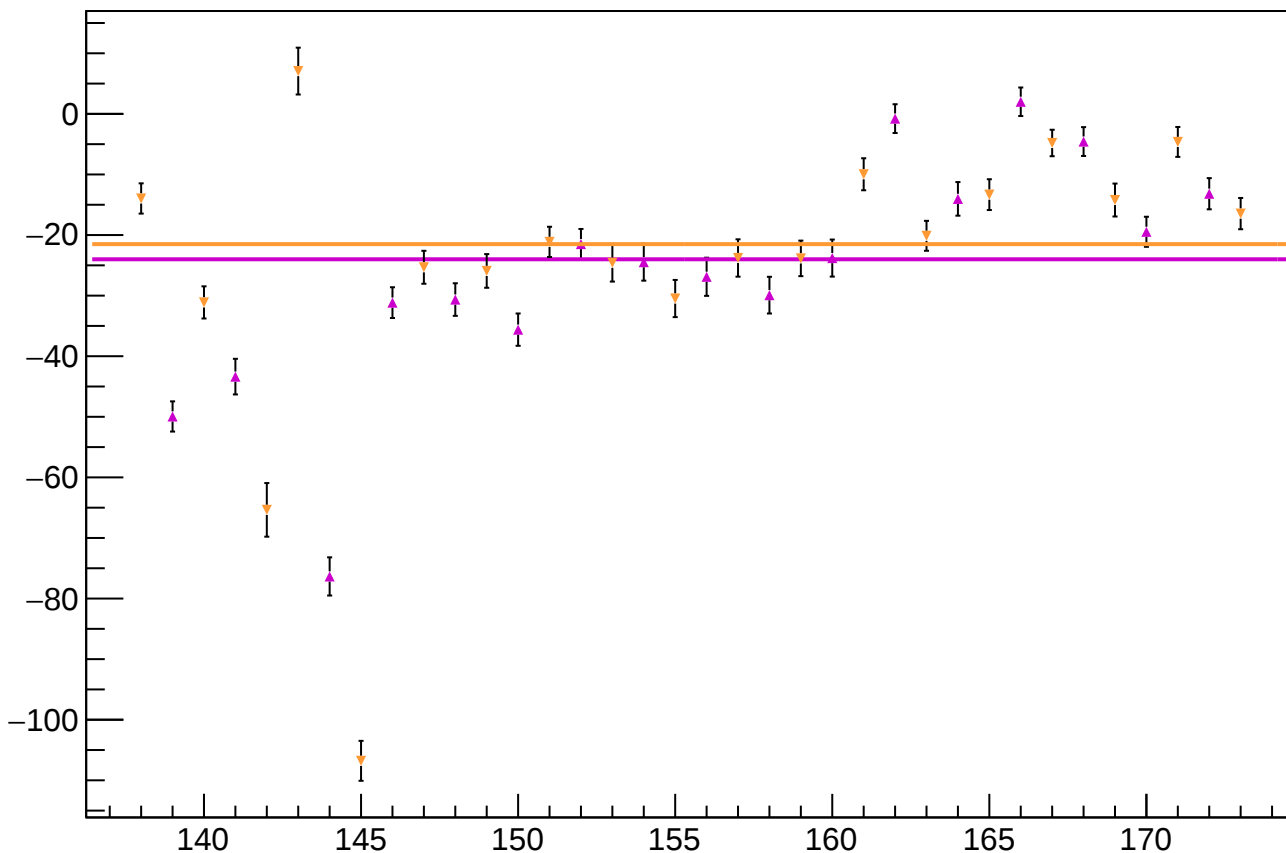
Right: -0.251 ± 0.013 χ^2/NDF : 2213.4/35

In: 0.154 ± 0.005 χ^2/NDF : 2221.2/33

Out: 0.150 ± 0.005 χ^2/NDF : 2278.4/37

All: 0.152 ± 0.004 χ^2/NDF : 4499.9/71

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -21.499+/-0.634 χ^2/NDF :1005.5/18

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

Left In: -24.002+/-0.649 χ^2/NDF :784.3/16

Left: -22.721+/-0.453 χ^2/NDF : 1797.4/35

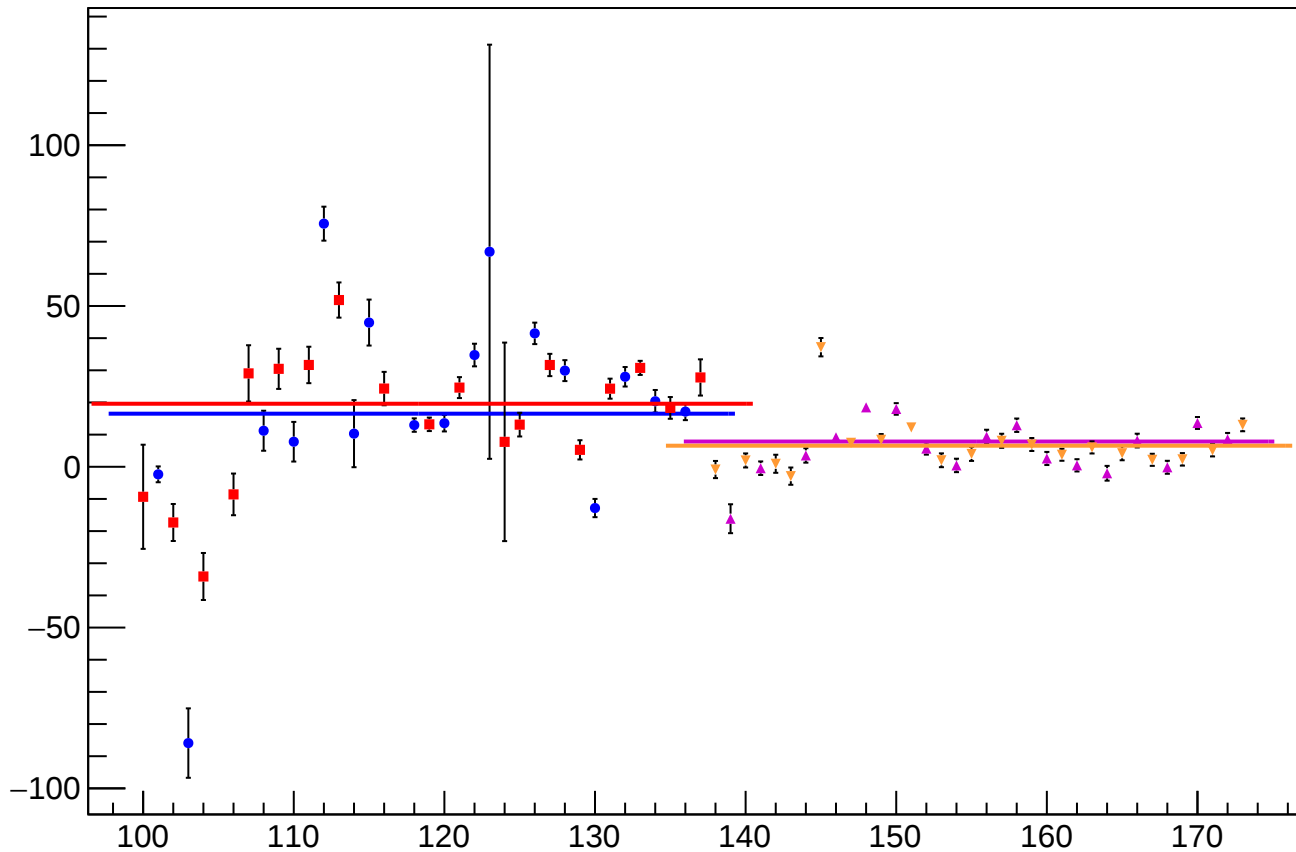
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.002+/-0.649 χ^2/NDF :784.3/16

Out: -21.499+/-0.634 χ^2/NDF :1005.5/18

All: -22.721+/-0.453 χ^2/NDF : 1797.4/35

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.512 $\pm$ 0.847 χ^2 /NDF: 519.6/16

Left Out: 6.554 $\pm$ 0.452 χ^2 /NDF:192.3/18

Right Out: 19.604 $\pm$ 0.898 χ^2 /NDF: 242.0/18

Left In: 7.848 $\pm$ 0.472 χ^2 /NDF:232.1/16

Left: 7.173 $\pm$ 0.327 χ^2 /NDF: 428.3/35

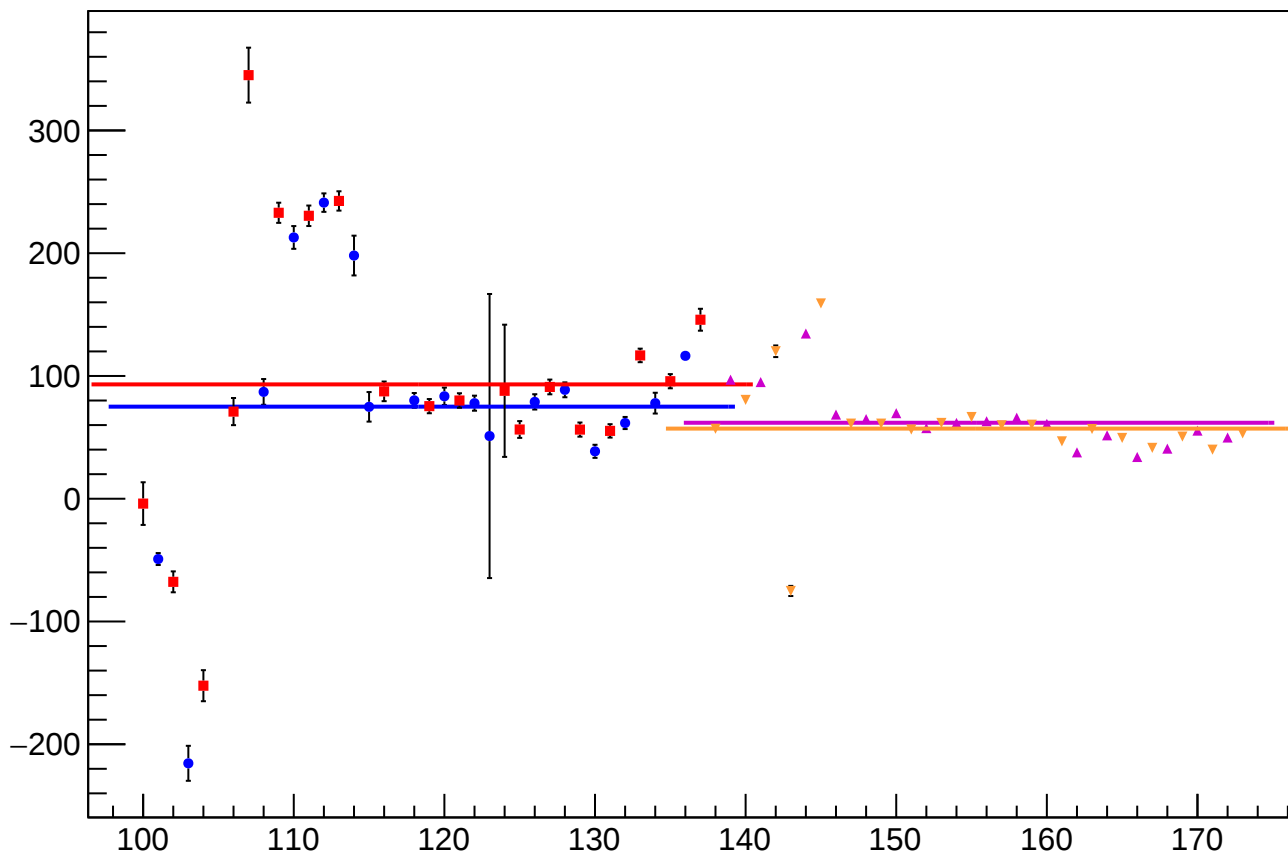
Right: 17.968 $\pm$ 0.616 χ^2 /NDF: 767.9/35

In: 9.902 $\pm$ 0.413 χ^2 /NDF:831.5/33

Out: 9.194 $\pm$ 0.404 χ^2 /NDF:602.5/37

All: 9.541 $\pm$ 0.289 χ^2 /NDF: 1435.5/71

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.009+/-1.636 χ^2/NDF : 1999.3/16

Left Out: 57.130+/-0.626 χ^2/NDF : 2311.5/18

Right Out: 93.140+/-1.711 χ^2/NDF : 2002.3/18

Left In: 61.884+/-0.637 χ^2/NDF : 1135.9/16

Left: 59.464+/-0.446 χ^2/NDF : 3475.8/35

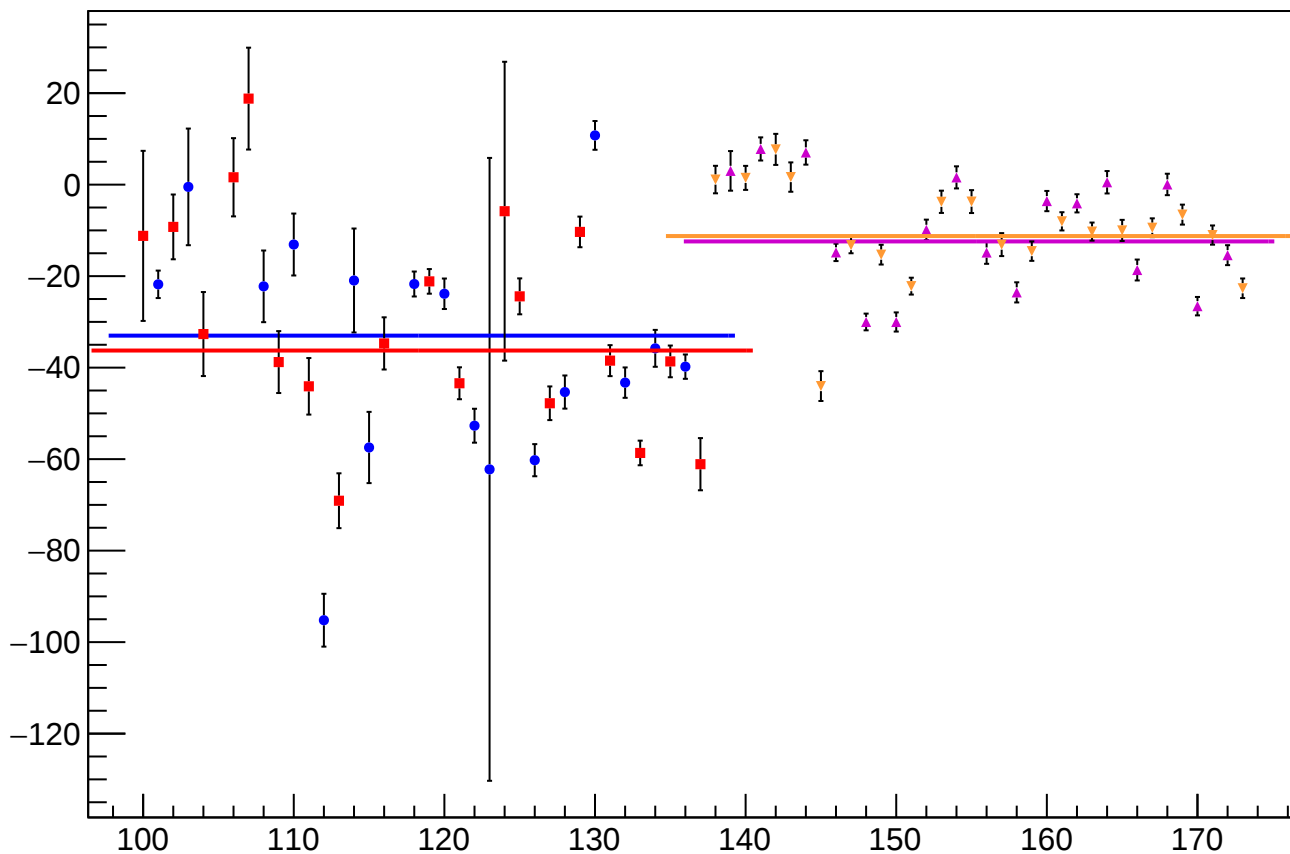
Right: 83.668+/-1.183 χ^2/NDF : 4060.3/35

In: 63.611+/-0.594 χ^2/NDF : 3191.2/33

Out: 61.376+/-0.588 χ^2/NDF : 4704.5/37

All: 62.482+/-0.418 χ^2/NDF : 7902.8/71

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.005 ± 0.972 $\chi^2/\text{NDF}: 493.1/16$

Left Out: -11.238 ± 0.523 $\chi^2/\text{NDF}: 287.3/18$

Right Out: -36.260 ± 1.025 $\chi^2/\text{NDF}: 297.1/18$

Left In: -12.413 ± 0.546 $\chi^2/\text{NDF}: 504.9/16$

Left: -11.800 ± 0.378 $\chi^2/\text{NDF}: 794.6/35$

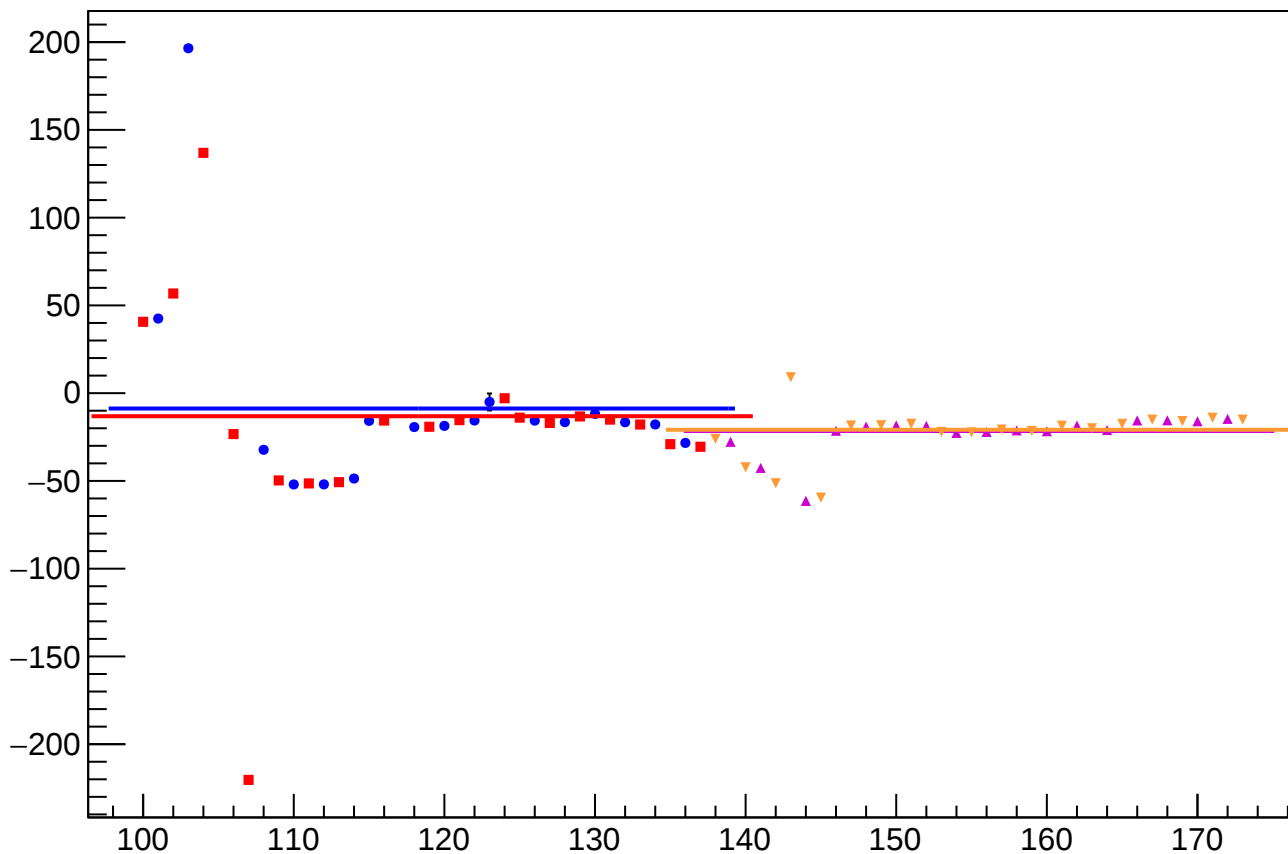
Right: -34.545 ± 0.705 $\chi^2/\text{NDF}: 795.4/35$

In: -17.355 ± 0.476 $\chi^2/\text{NDF}: 1339.2/33$

Out: -16.405 ± 0.466 $\chi^2/\text{NDF}: 1056.9/37$

All: -16.870 ± 0.333 $\chi^2/\text{NDF}: 2398.2/71$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.751 ± 0.059 $\chi^2/\text{NDF}: 576012.4/16$

Left Out: -20.862 ± 0.024 $\chi^2/\text{NDF}: 193304.5/18$

Right Out: -13.143 ± 0.062 $\chi^2/\text{NDF}: 558628.0/18$

Left In: -21.558 ± 0.025 $\chi^2/\text{NDF}: 125231.7/16$

Left: -21.203 ± 0.017 $\chi^2/\text{NDF}: 318940.4/35$

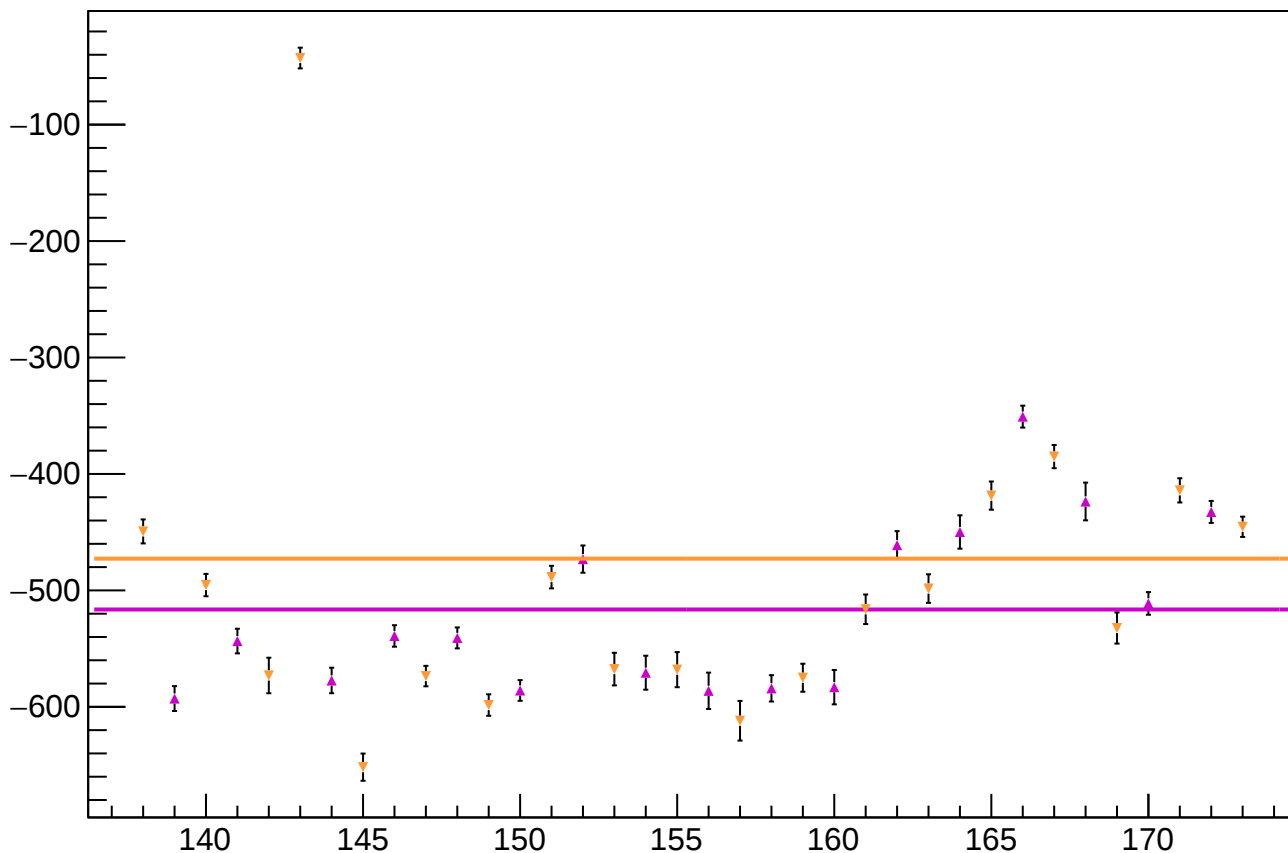
Right: -10.840 ± 0.043 $\chi^2/\text{NDF}: 1137294.9/35$

In: -19.629 ± 0.023 $\chi^2/\text{NDF}: 741530.7/33$

Out: -19.830 ± 0.023 $\chi^2/\text{NDF}: 765476.8/37$

All: -19.730 ± 0.016 $\chi^2/\text{NDF}: 1507046.9/71$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -472.717 $\pm$ 2.520 χ^2/NDF :3342.1/18

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

Left In: -516.391 $\pm$ 2.672 χ^2/NDF :731.9/16

Left: -493.274 $\pm$ 1.833 χ^2/NDF : 4215.4/35

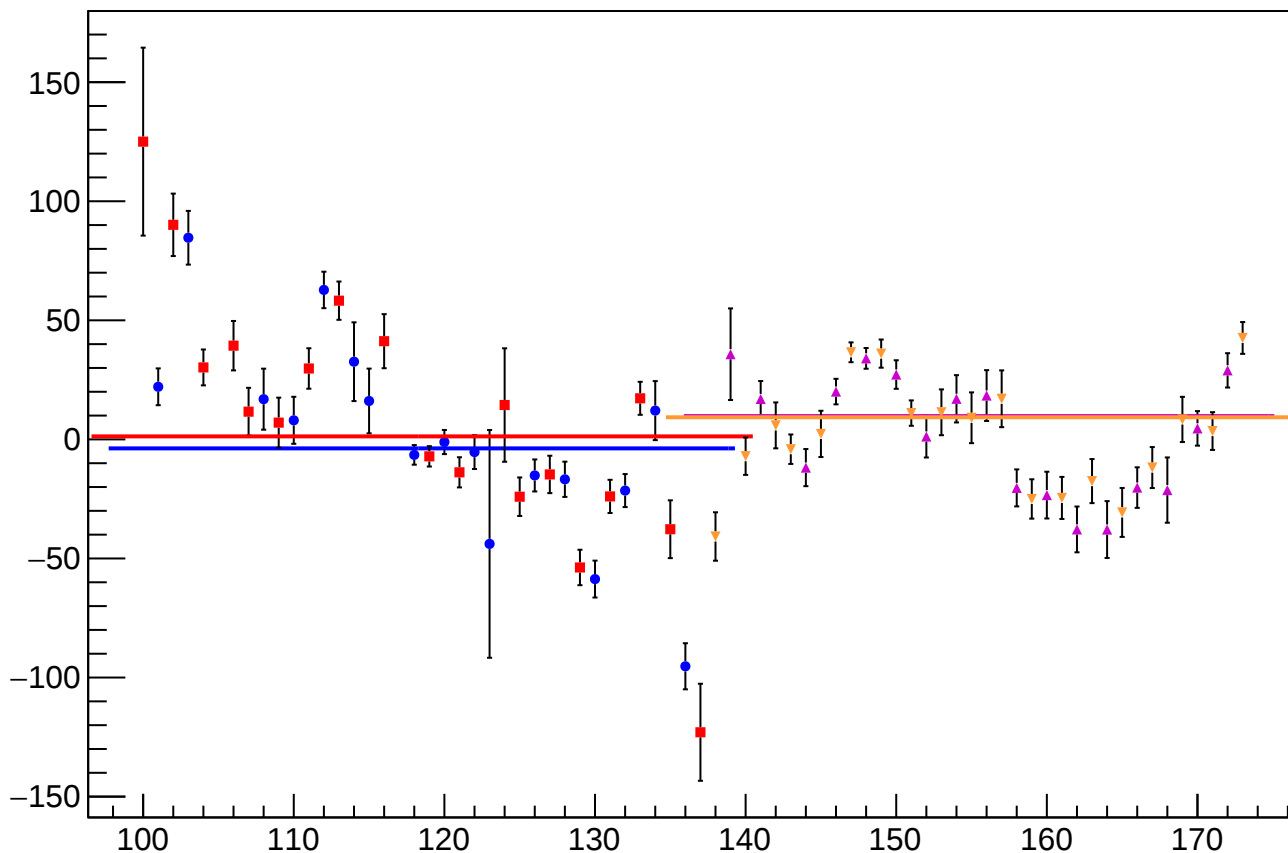
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -516.391 $\pm$ 2.672 χ^2/NDF :731.9/16

Out: -472.717 $\pm$ 2.520 χ^2/NDF :3342.1/18

All: -493.274 $\pm$ 1.833 χ^2/NDF : 4215.4/35

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.773+/-1.889 χ^2/NDF : 314.3/16

Left Out: 9.283+/-1.733 χ^2/NDF :184.8/18

Right Out: 1.265+/-1.920 χ^2/NDF : 303.7/18

Left In: 9.786+/-1.869 χ^2/NDF :147.8/16

Left: 9.515+/-1.271 χ^2/NDF : 332.7/35

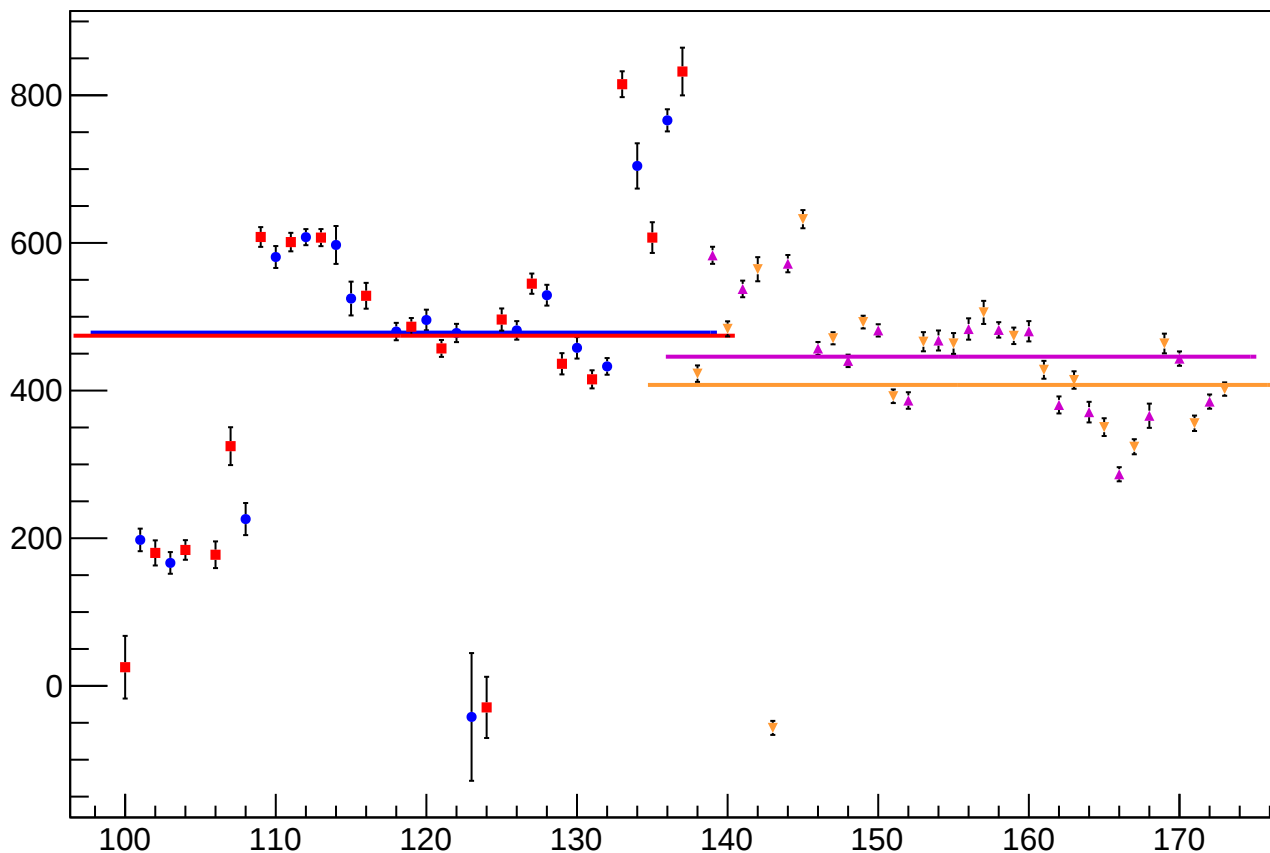
Right: -1.296+/-1.346 χ^2/NDF : 621.6/35

In: 3.075+/-1.329 χ^2/NDF :488.2/33

Out: 5.685+/-1.286 χ^2/NDF :498.2/37

All: 4.422+/-0.924 χ^2/NDF : 988.3/71

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.526 $\pm$ 3.630 χ^2 /NDF: 1629.0/16

Left Out: 407.658 $\pm$ 2.504 χ^2 /NDF:3279.9/18

Right Out: 474.328 $\pm$ 3.533 χ^2 /NDF: 2287.1/18

Left In: 445.910 $\pm$ 2.624 χ^2 /NDF:800.3/16

Left: 425.889 $\pm$ 1.811 χ^2 /NDF: 4191.4/35

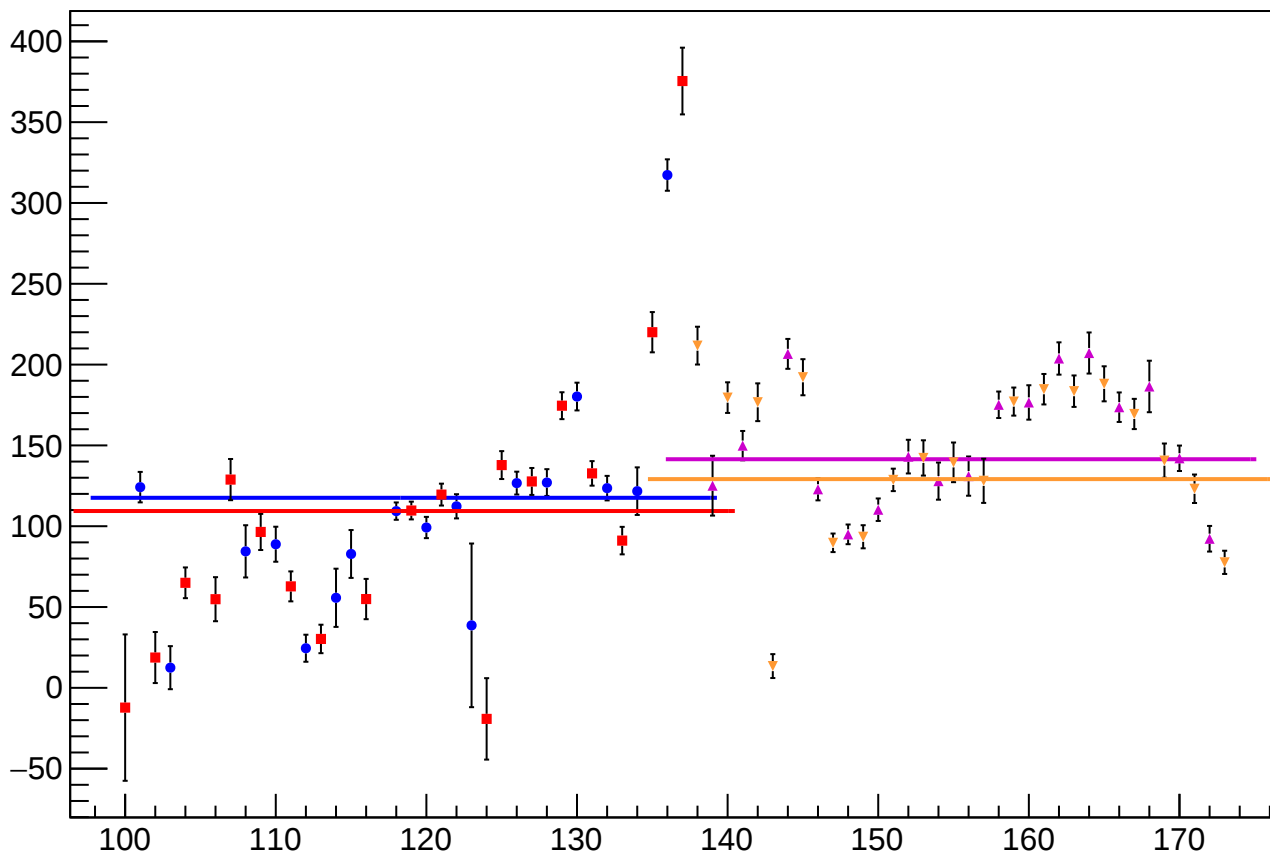
Right: 476.370 $\pm$ 2.532 χ^2 /NDF: 3916.8/35

In: 457.101 $\pm$ 2.126 χ^2 /NDF:2482.3/33

Out: 429.948 $\pm$ 2.043 χ^2 /NDF:5804.1/37

All: 442.979 $\pm$ 1.473 χ^2 /NDF: 8371.2/71

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 117.585 $\pm$ 2.193 χ^2 /NDF: 706.9/16

Left Out: 129.146 $\pm$ 2.044 χ^2 /NDF:643.3/18

Right Out: 109.400 $\pm$ 2.210 χ^2 /NDF: 571.2/18

Left In: 141.444 $\pm$ 2.198 χ^2 /NDF:291.5/16

Left: 134.851 $\pm$ 1.497 χ^2 /NDF: 951.6/35

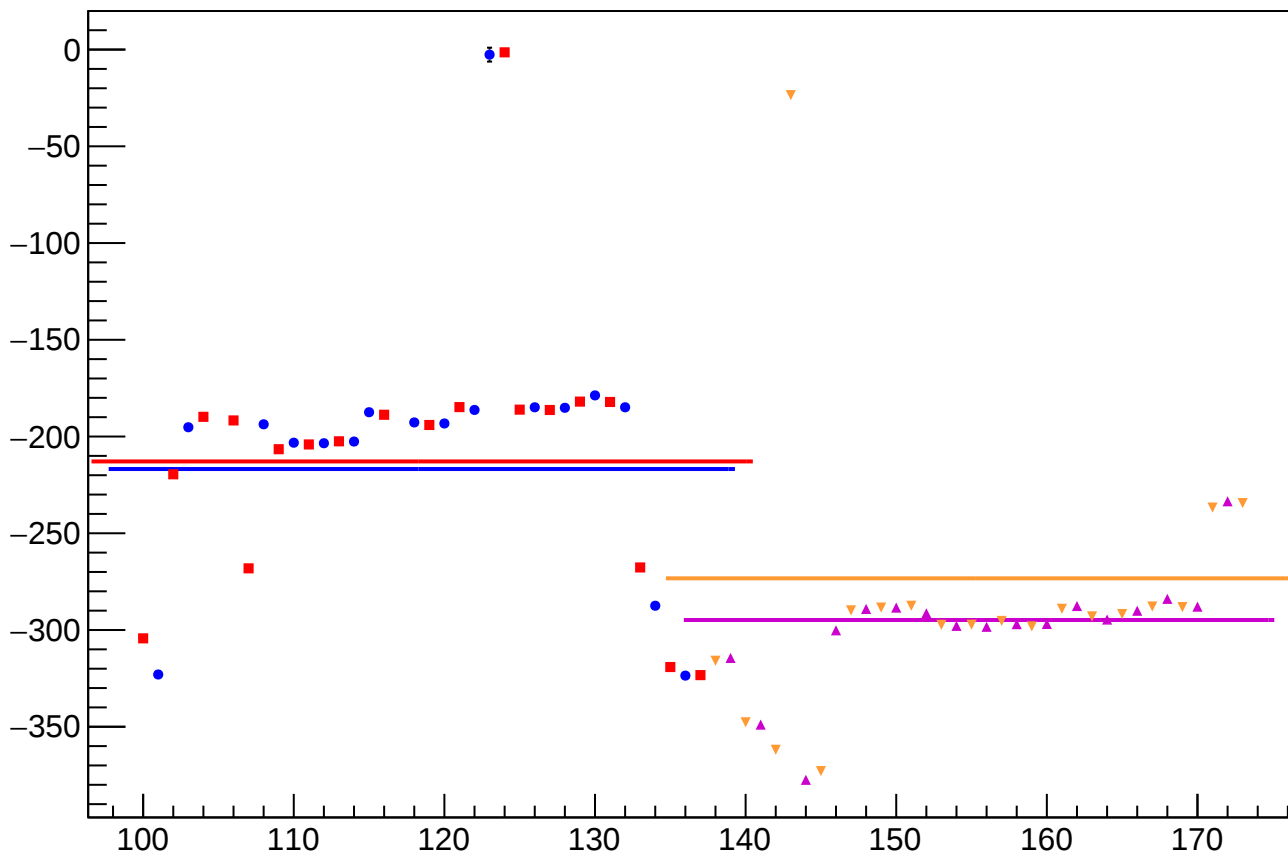
Right: 113.524 $\pm$ 1.557 χ^2 /NDF: 1285.0/35

In: 129.488 $\pm$ 1.552 χ^2 /NDF:1057.5/33

Out: 120.040 $\pm$ 1.501 χ^2 /NDF:1257.5/37

All: 124.604 $\pm$ 1.079 χ^2 /NDF: 2334.1/71

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -216.796 ± 0.136 $\chi^2/\text{NDF}: 146976.1/16$

Left Out: -273.290 ± 0.099 $\chi^2/\text{NDF}: 574570.6/18$

Right Out: -212.869 ± 0.130 $\chi^2/\text{NDF}: 116393.6/18$

Left In: -294.824 ± 0.104 $\chi^2/\text{NDF}: 76308.9/16$

Left: -283.565 ± 0.072 $\chi^2/\text{NDF}: 673491.3/35$

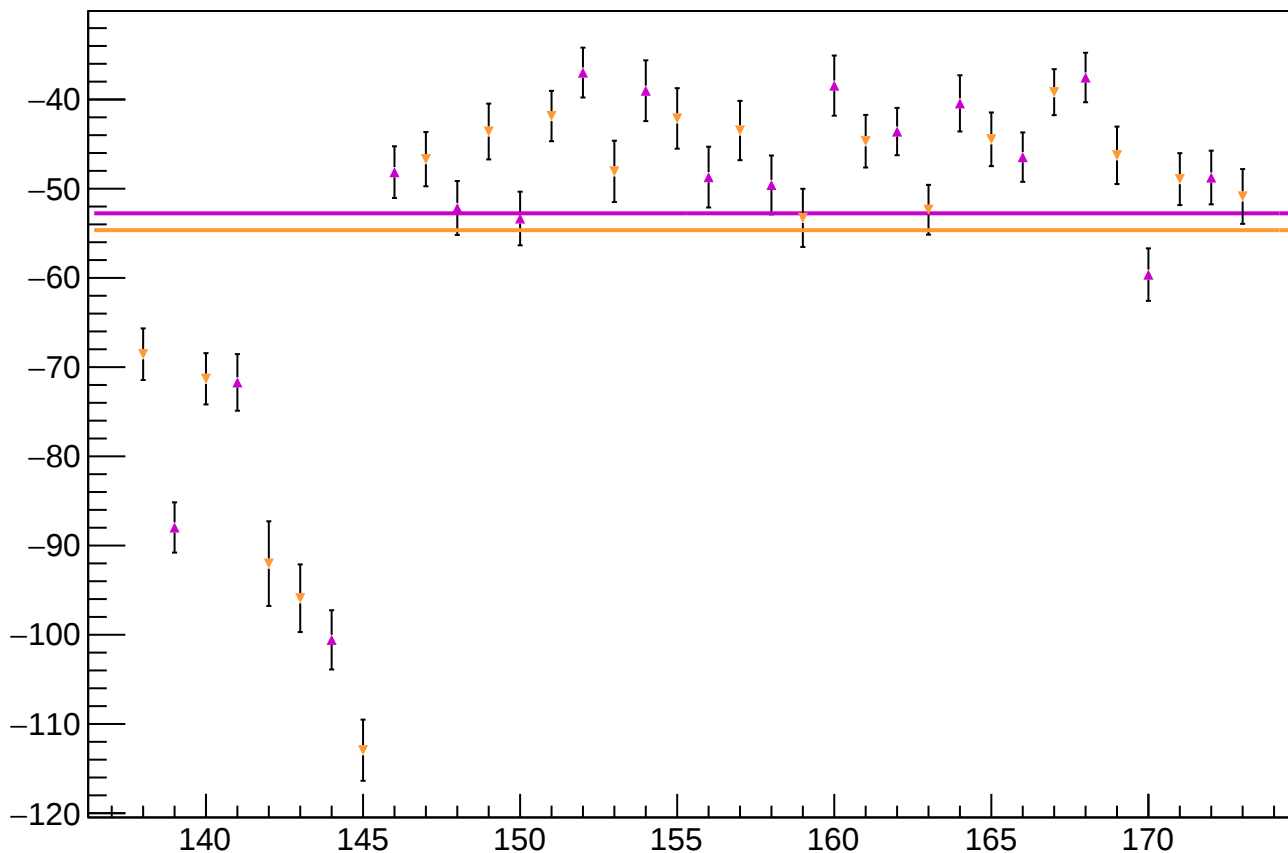
Right: -214.751 ± 0.094 $\chi^2/\text{NDF}: 263806.1/35$

In: -266.096 ± 0.082 $\chi^2/\text{NDF}: 432335.5/33$

Out: -251.167 ± 0.079 $\chi^2/\text{NDF}: 827568.9/37$

All: -258.302 ± 0.057 $\chi^2/\text{NDF}: 1277078.8/71$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



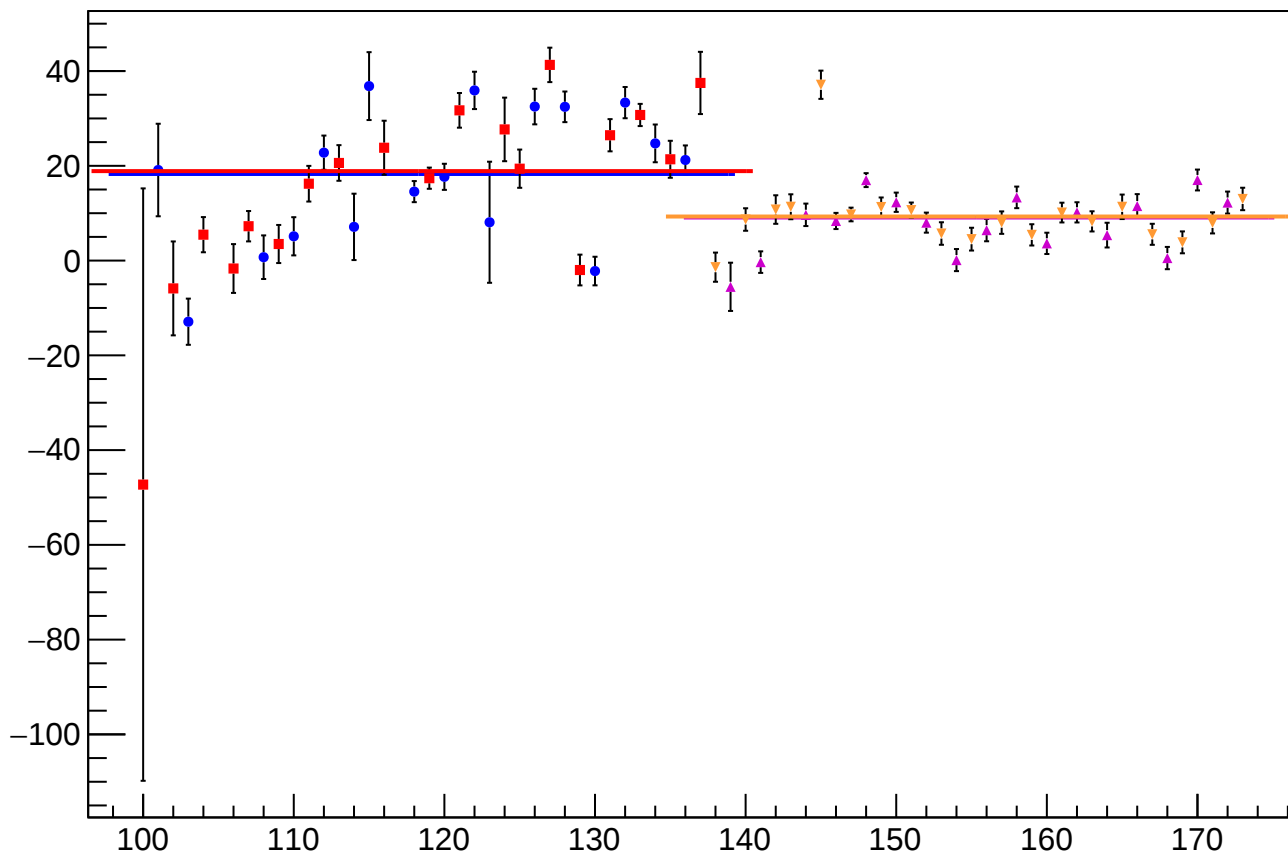
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -54.648+/-0.715 χ^2/NDF : 666.6/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -52.760+/-0.732 χ^2/NDF : 540.2/16

Left: -53.727+/-0.512 χ^2/NDF : 1210.3/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -52.760+/-0.732 χ^2/NDF : 540.2/16
 Out: -54.648+/-0.715 χ^2/NDF : 666.6/18

All: -53.727+/-0.512 χ^2/NDF : 1210.3/35

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.279 $\pm$ 0.906 χ^2 /NDF: 204.6/16

Left Out: 9.299 $\pm$ 0.509 χ^2 /NDF:123.5/18

Right Out: 18.882 $\pm$ 0.864 χ^2 /NDF: 198.4/18

Left In: 9.093 $\pm$ 0.532 χ^2 /NDF:114.0/16

Left: 9.201 $\pm$ 0.368 χ^2 /NDF: 237.6/35

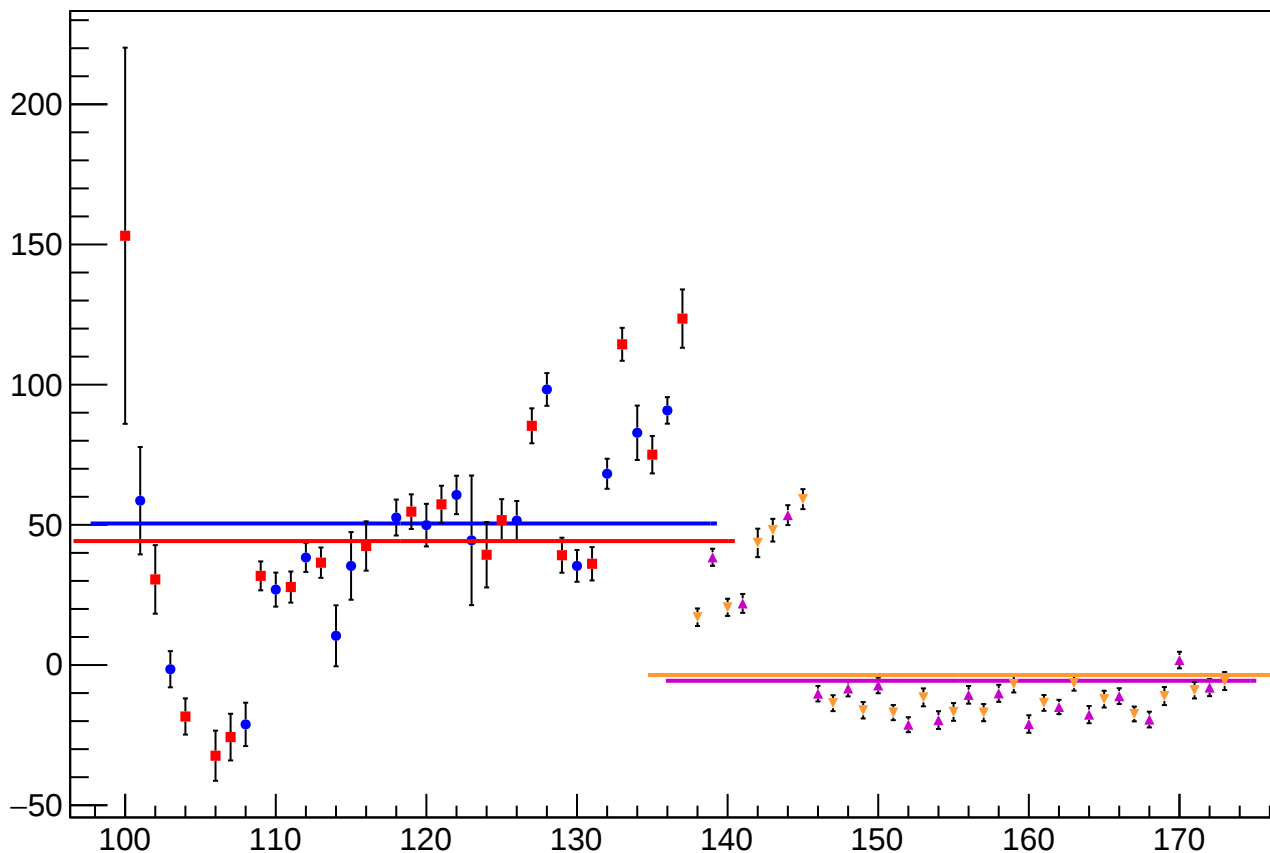
Right: 18.595 $\pm$ 0.625 χ^2 /NDF: 403.2/35

In: 11.450 $\pm$ 0.459 χ^2 /NDF:395.1/33

Out: 11.765 $\pm$ 0.438 χ^2 /NDF:413.3/37

All: 11.615 $\pm$ 0.317 χ^2 /NDF: 808.6/71

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.482 $\pm$ 1.668 χ^2 /NDF: 357.9/16

Left Out: -3.565 $\pm$ 0.705 χ^2 /NDF: 823.0/18

Right Out: 44.222 $\pm$ 1.602 χ^2 /NDF: 534.4/18

Left In: -5.615 $\pm$ 0.718 χ^2 /NDF: 703.0/16

Left: -4.572 $\pm$ 0.503 χ^2 /NDF: 1530.1/35

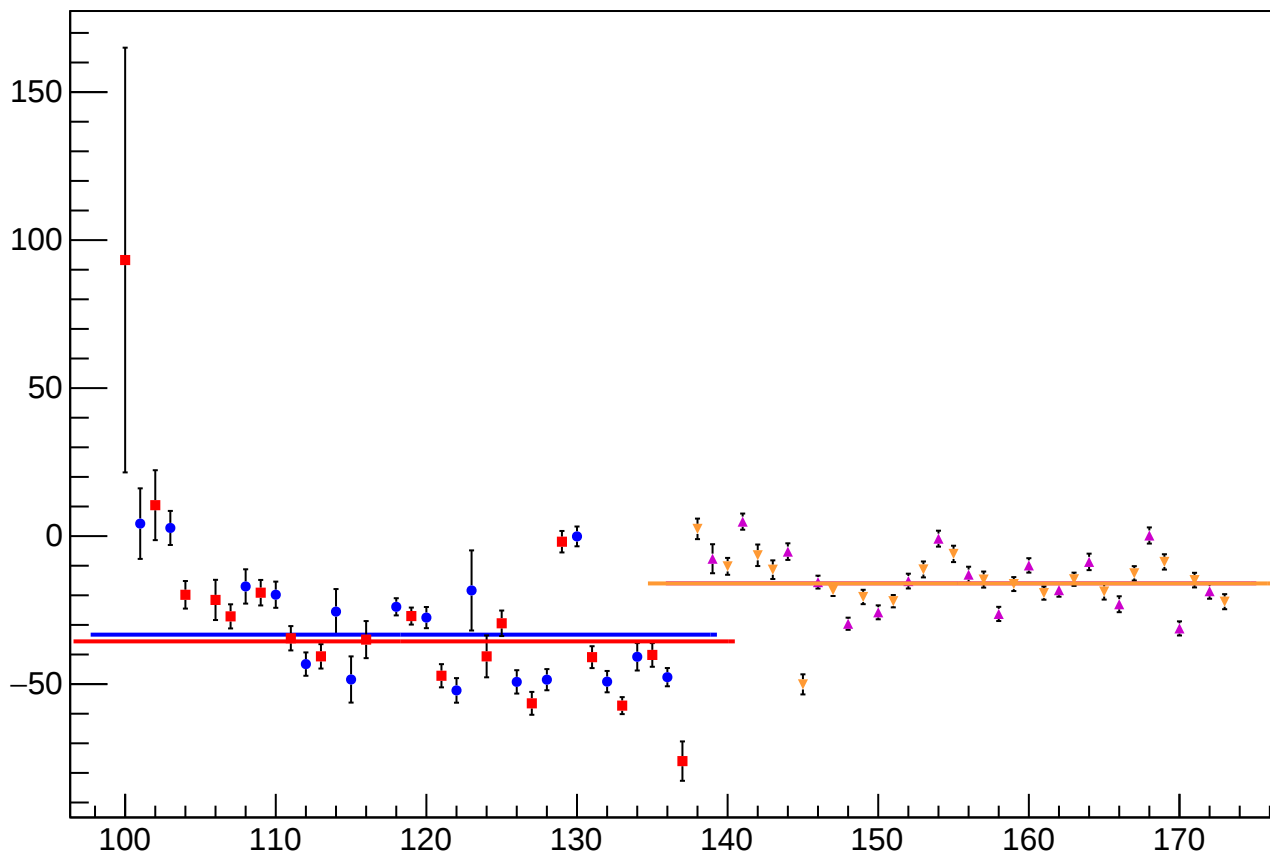
Right: 47.226 $\pm$ 1.156 χ^2 /NDF: 899.6/35

In: 3.160 $\pm$ 0.660 χ^2 /NDF: 2015.0/33

Out: 4.193 $\pm$ 0.646 χ^2 /NDF: 2102.3/37

All: 3.687 $\pm$ 0.461 χ^2 /NDF: 4118.6/71

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.292 ± 1.033 $\chi^2/\text{NDF}: 289.1/16$

Left Out: -15.990 ± 0.589 $\chi^2/\text{NDF}: 191.0/18$

Right Out: -35.566 ± 0.992 $\chi^2/\text{NDF}: 287.6/18$

Left In: -15.948 ± 0.615 $\chi^2/\text{NDF}: 286.3/16$

Left: -15.970 ± 0.425 $\chi^2/\text{NDF}: 477.4/35$

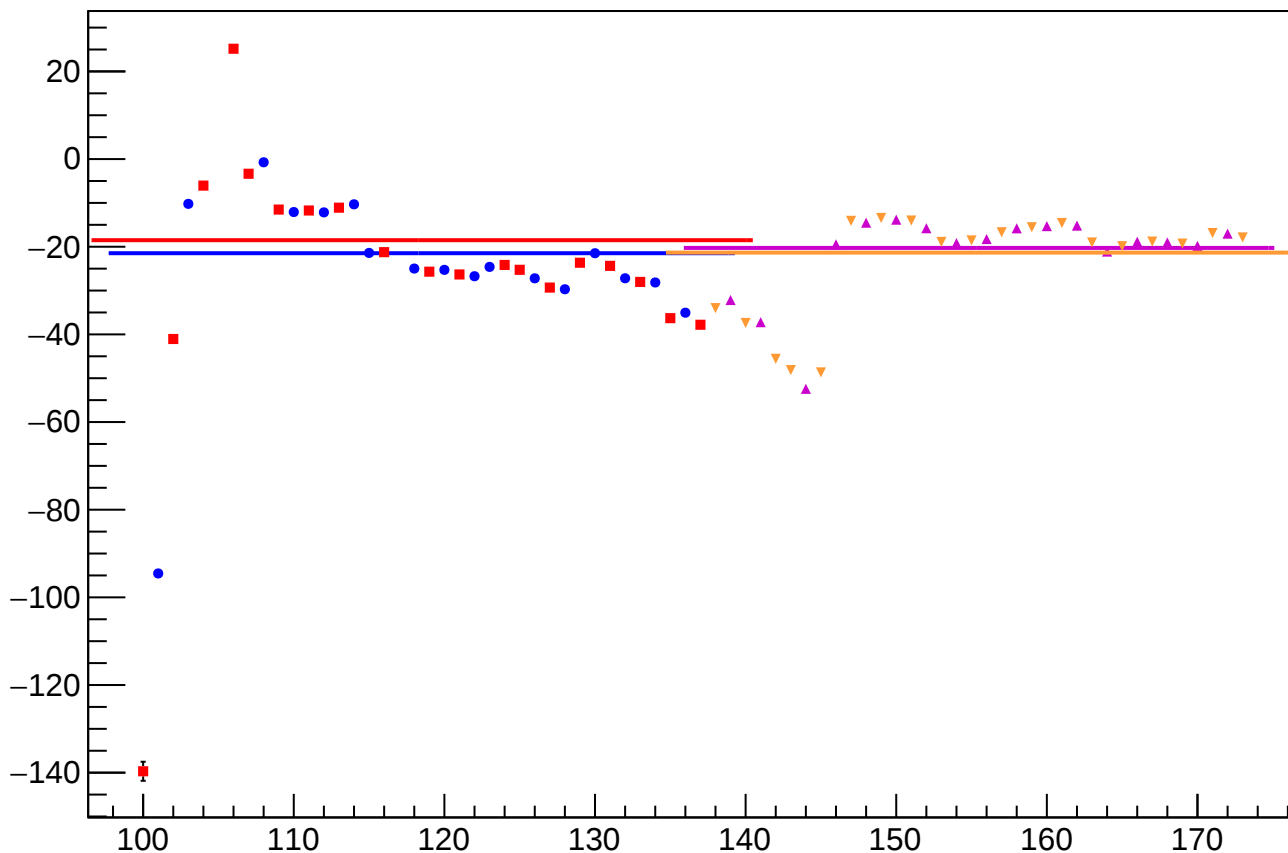
Right: -34.474 ± 0.716 $\chi^2/\text{NDF}: 579.3/35$

In: -20.486 ± 0.528 $\chi^2/\text{NDF}: 783.6/33$

Out: -21.093 ± 0.507 $\chi^2/\text{NDF}: 766.3/37$

All: -20.802 ± 0.366 $\chi^2/\text{NDF}: 1550.5/71$

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.476 ± 0.059 $\chi^2/\text{NDF}: 49009.8/16$

Left Out: -21.340 ± 0.027 $\chi^2/\text{NDF}: 129667.9/18$

Right Out: -18.506 ± 0.057 $\chi^2/\text{NDF}: 80734.5/18$

Left In: -20.269 ± 0.028 $\chi^2/\text{NDF}: 85408.3/16$

Left: -20.816 ± 0.020 $\chi^2/\text{NDF}: 215828.3/35$

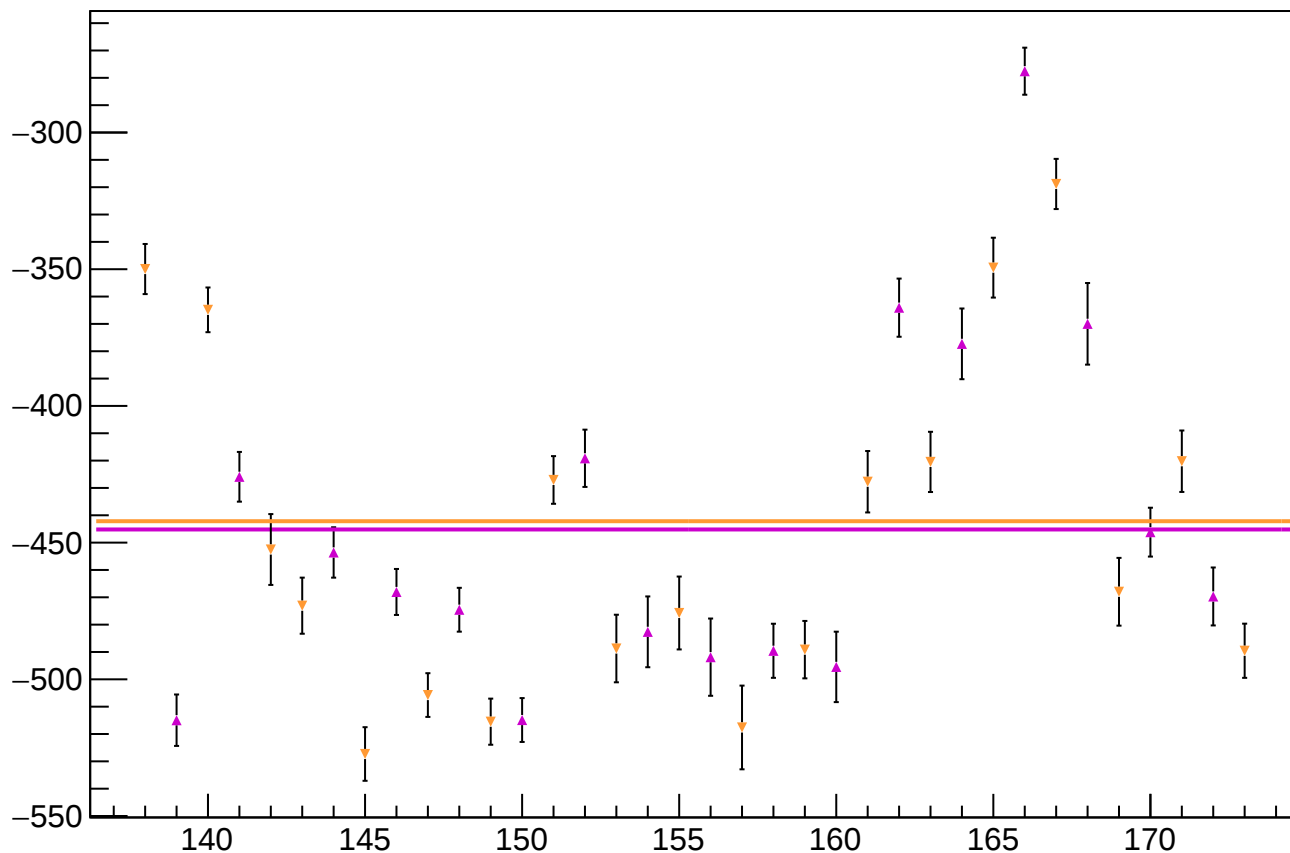
Right: -19.957 ± 0.041 $\chi^2/\text{NDF}: 131054.3/35$

In: -20.491 ± 0.025 $\chi^2/\text{NDF}: 134763.4/33$

Out: -20.815 ± 0.025 $\chi^2/\text{NDF}: 212392.0/37$

All: -20.657 ± 0.018 $\chi^2/\text{NDF}: 347239.7/71$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -442.169+/-2.343 χ^2/NDF :771.4/18

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

Left In: -445.191+/-2.418 χ^2/NDF :713.2/16

Left: -443.632+/-1.683 χ^2/NDF : 1485.4/35

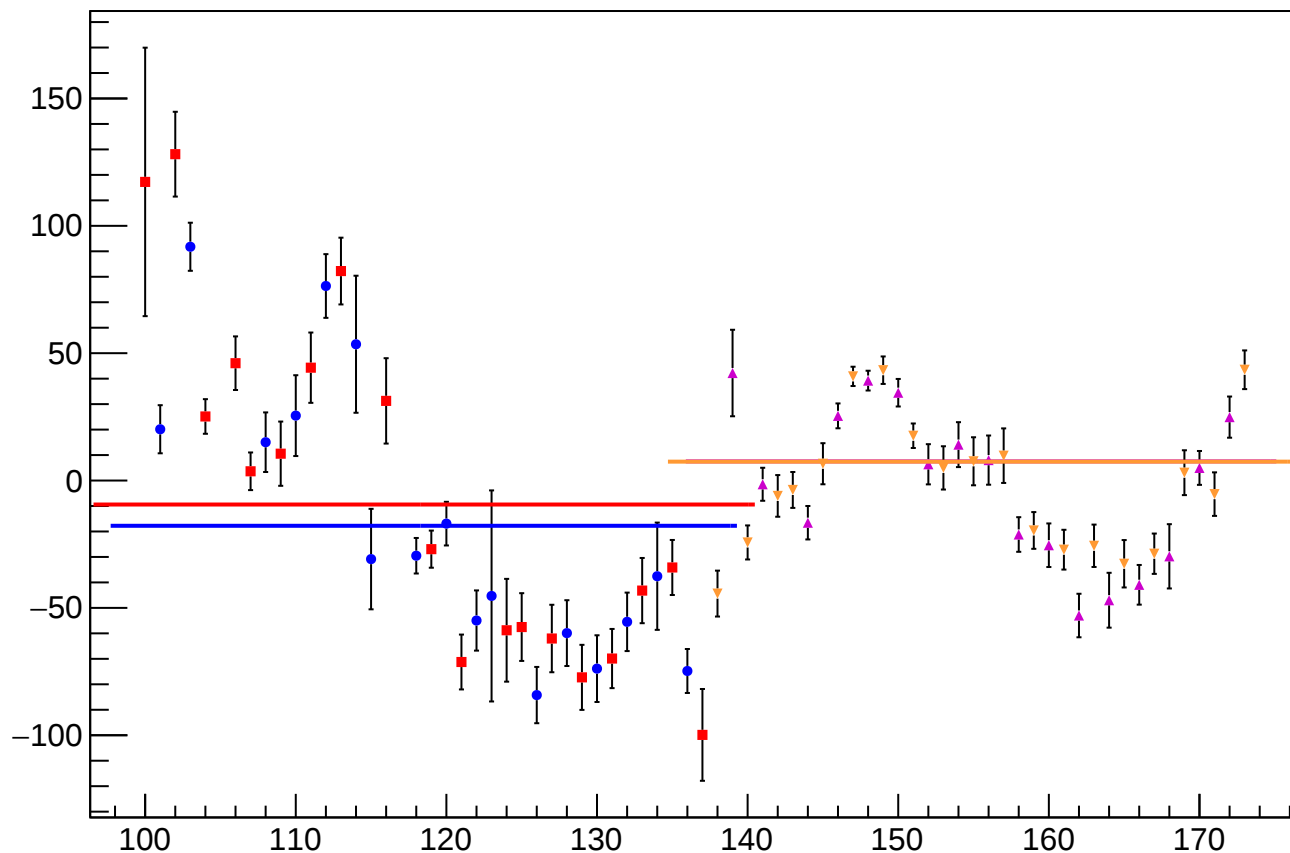
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -445.191+/-2.418 χ^2/NDF :713.2/16

Out: -442.169+/-2.343 χ^2/NDF :771.4/18

All: -443.632+/-1.683 χ^2/NDF : 1485.4/35

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.765 ± 2.781 χ^2/NDF : 363.9/16

Left Out: 7.418 ± 1.606 χ^2/NDF : 301.6/18

Right Out: -9.417 ± 2.613 χ^2/NDF : 369.6/18

Left In: 7.517 ± 1.688 χ^2/NDF : 285.7/16

Left: 7.465 ± 1.164 χ^2/NDF : 587.3/35

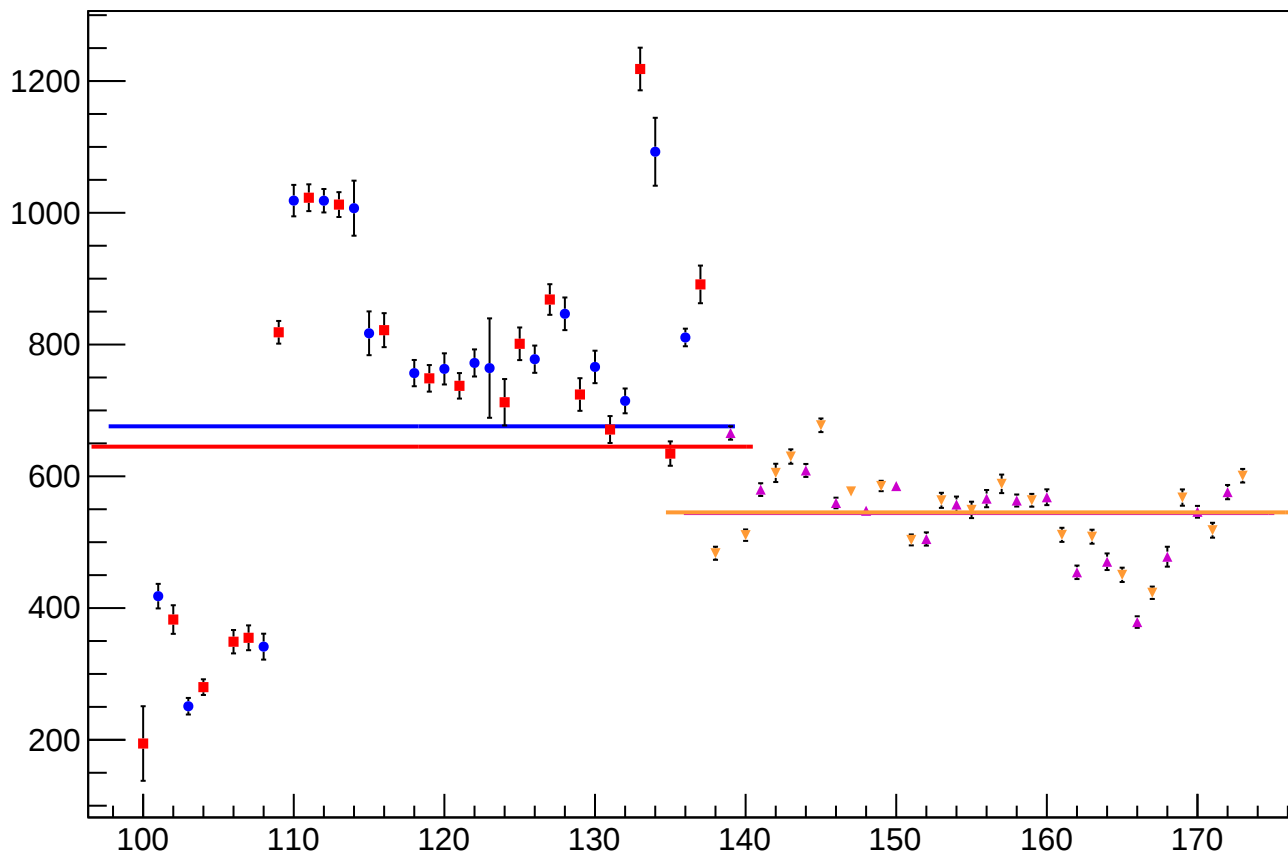
Right: -13.331 ± 1.905 χ^2/NDF : 738.2/35

In: 0.712 ± 1.443 χ^2/NDF : 709.9/33

Out: 2.802 ± 1.368 χ^2/NDF : 701.3/37

All: 1.813 ± 0.993 χ^2/NDF : 1412.3/71

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.871 $\pm$ 5.037 χ^2 /NDF: 2586.4/16

Left Out: 545.263 $\pm$ 2.322 χ^2 /NDF:686.5/18

Right Out: 645.014 $\pm$ 4.761 χ^2 /NDF: 3123.3/18

Left In: 544.207 $\pm$ 2.374 χ^2 /NDF:756.4/16

Left: 544.747 $\pm$ 1.660 χ^2 /NDF: 1443.0/35

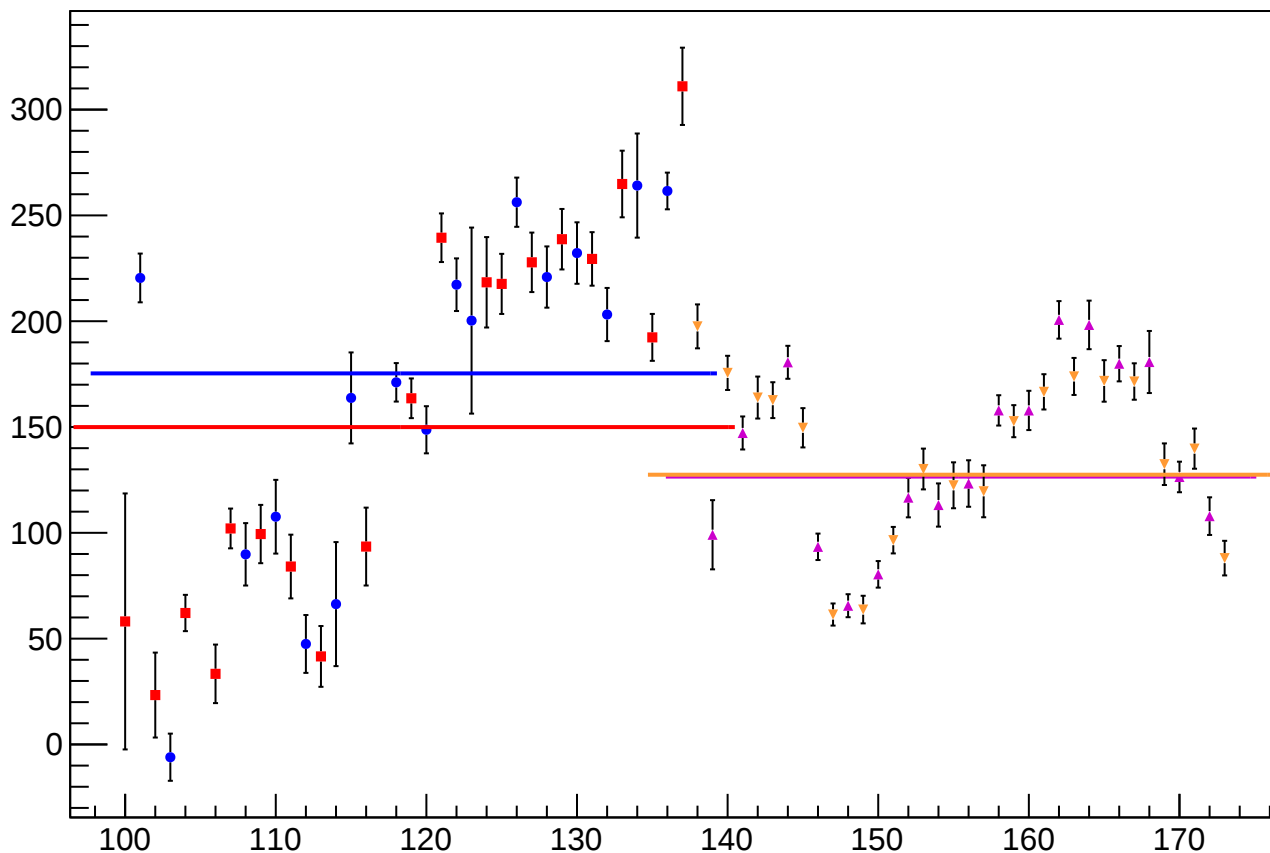
Right: 659.573 $\pm$ 3.460 χ^2 /NDF: 5729.5/35

In: 568.133 $\pm$ 2.147 χ^2 /NDF:3901.9/33

Out: 564.431 $\pm$ 2.087 χ^2 /NDF:4164.4/37

All: 566.230 $\pm$ 1.497 χ^2 /NDF: 8067.8/71

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.341 $\pm$ 3.203 χ^2 /NDF: 638.5/16

Left Out: 127.461 $\pm$ 1.900 χ^2 /NDF:531.1/18

Right Out: 149.966 $\pm$ 3.045 χ^2 /NDF: 693.2/18

Left In: 126.576 $\pm$ 1.988 χ^2 /NDF:467.3/16

Left: 127.038 $\pm$ 1.374 χ^2 /NDF: 998.4/35

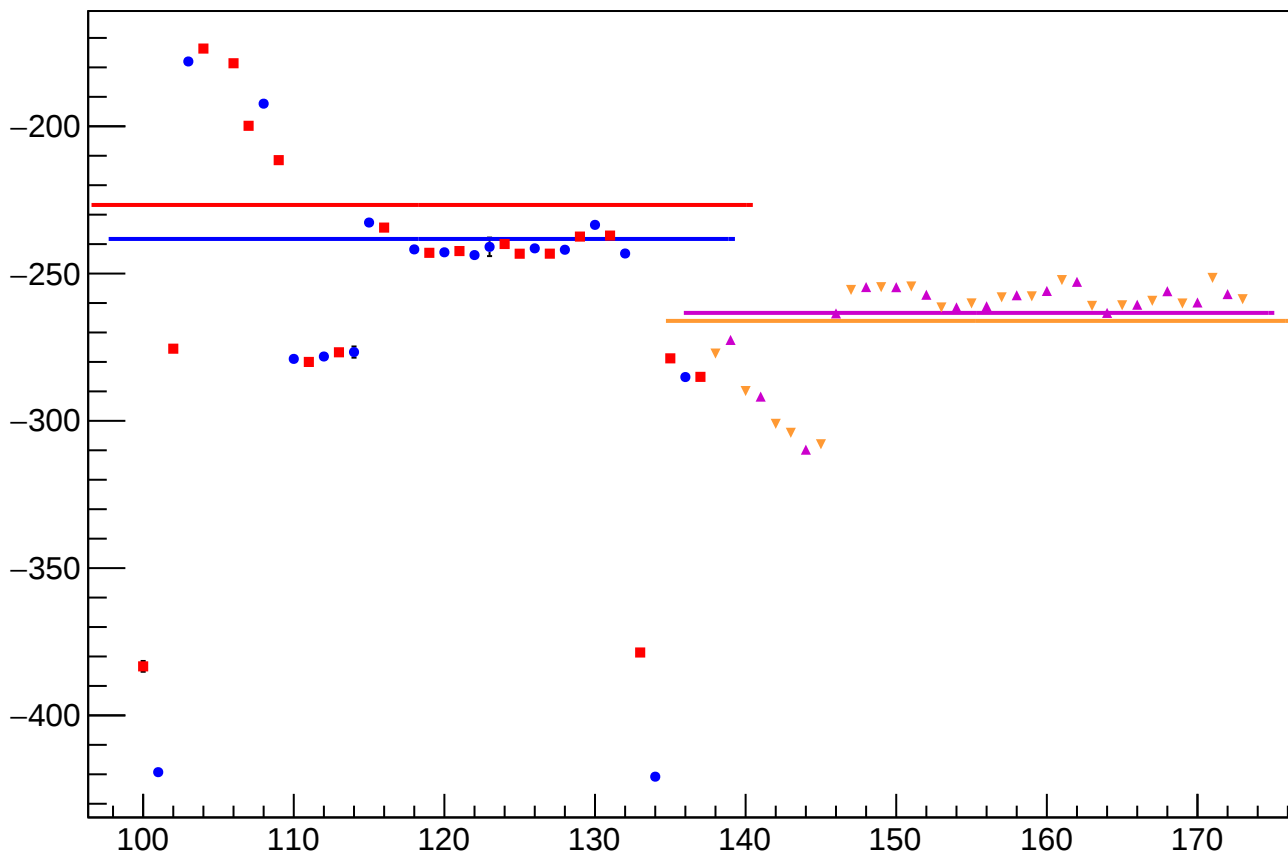
Right: 162.013 $\pm$ 2.207 χ^2 /NDF: 1364.6/35

In: 140.137 $\pm$ 1.689 χ^2 /NDF:1273.1/33

Out: 133.769 $\pm$ 1.612 χ^2 /NDF:1263.5/37

All: 136.805 $\pm$ 1.166 χ^2 /NDF: 2544.0/71

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.248 ± 0.160 χ^2/NDF : 167125.9/16

Left Out: -266.068 ± 0.092 χ^2/NDF : 34540.1/18

Right Out: -226.706 ± 0.151 χ^2/NDF : 102831.3/18

Left In: -263.352 ± 0.094 χ^2/NDF : 21225.1/16

Left: -264.736 ± 0.066 χ^2/NDF : 56191.1/35

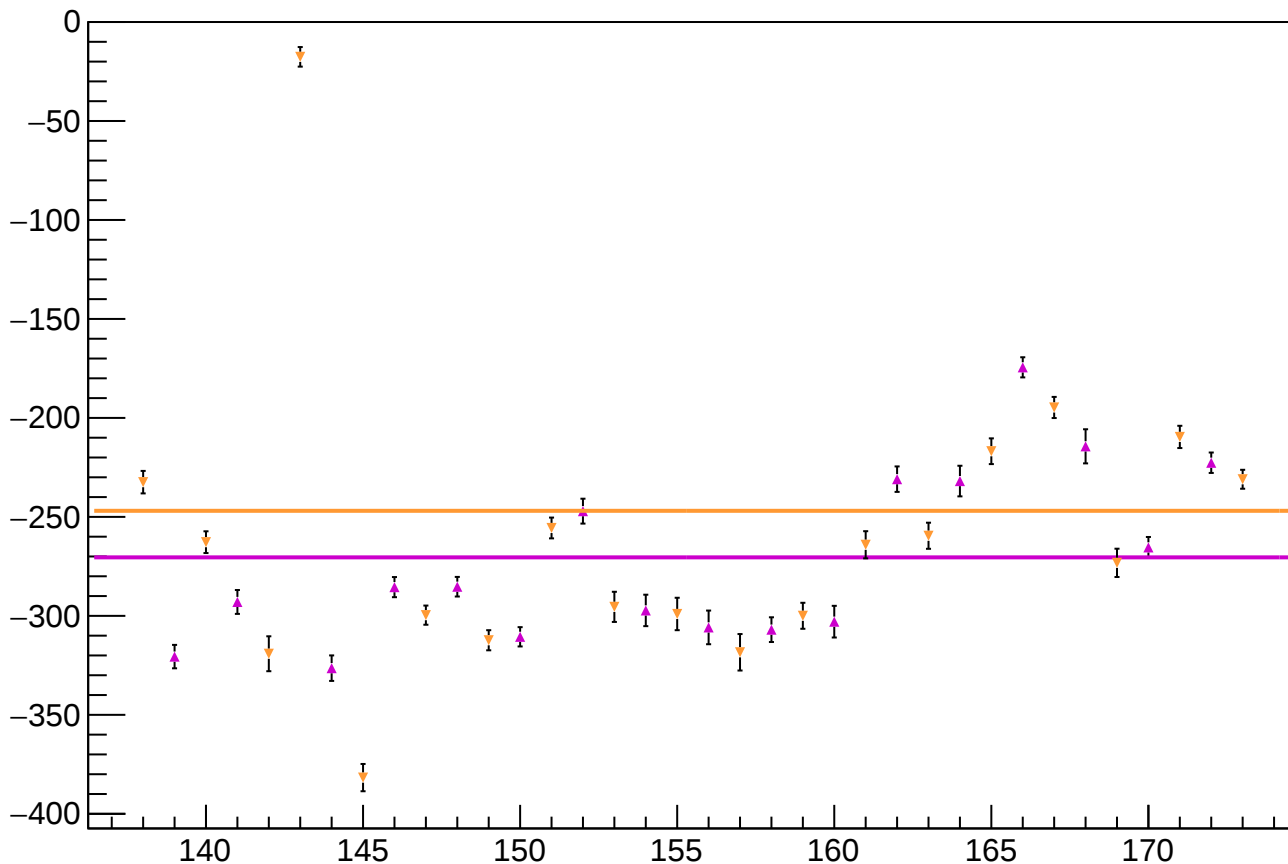
Right: -232.150 ± 0.110 χ^2/NDF : 272709.4/35

In: -256.911 ± 0.081 χ^2/NDF : 206669.6/33

Out: -255.392 ± 0.079 χ^2/NDF : 186827.8/37

All: -256.129 ± 0.056 χ^2/NDF : 393678.2/71

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: -246.929+/-1.385 χ^2/NDF :3303.2/18

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

Left In: -270.449+/-1.467 χ^2/NDF :887.8/16

Left: -258.011+/-1.007 χ^2/NDF : 4327.0/35

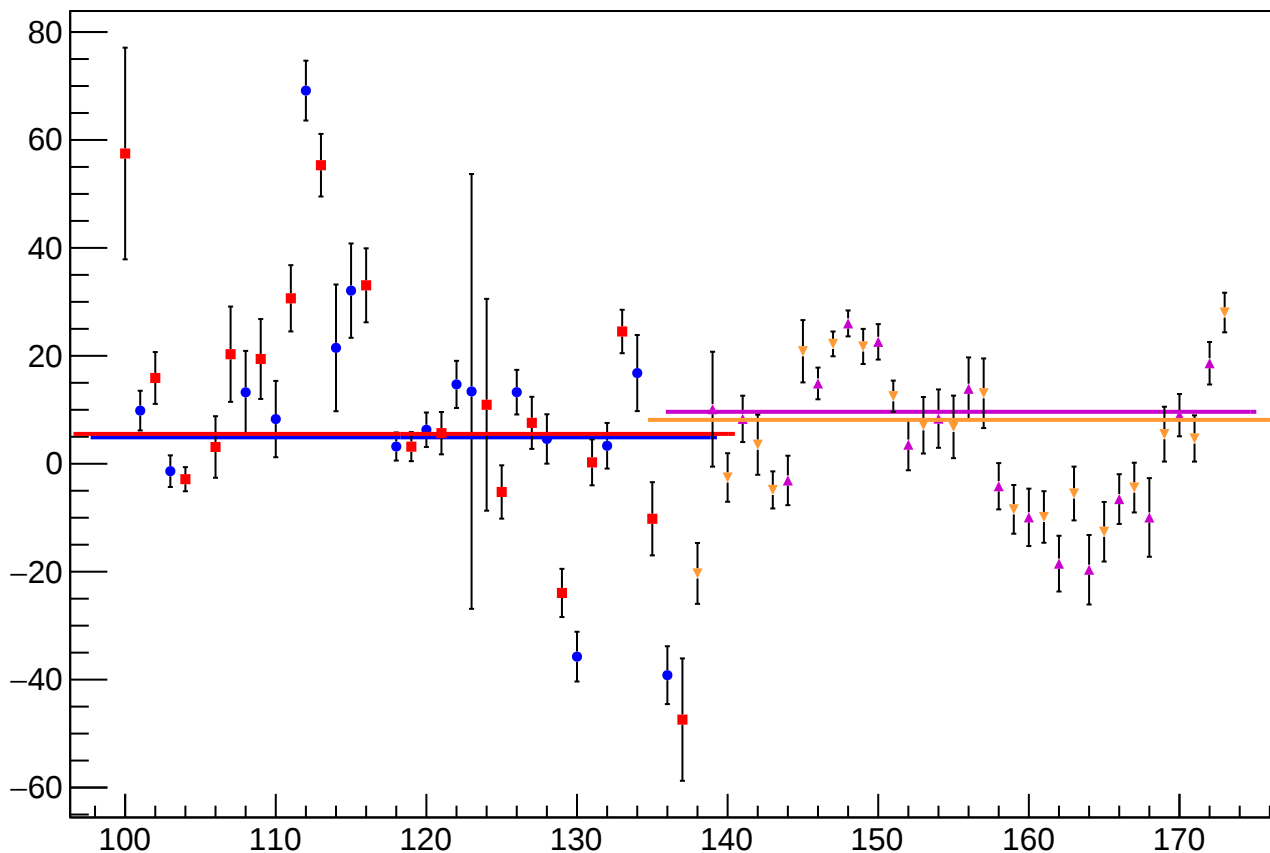
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -270.449+/-1.467 χ^2/NDF :887.8/16

Out: -246.929+/-1.385 χ^2/NDF :3303.2/18

All: -258.011+/-1.007 χ^2/NDF : 4327.0/35

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.896 ± 1.089 $\chi^2/\text{NDF}: 312.0/16$

Left Out: 8.132 ± 0.953 $\chi^2/\text{NDF}: 195.9/18$

Right Out: 5.534 ± 1.071 $\chi^2/\text{NDF}: 239.1/18$

Left In: 9.627 ± 1.027 $\chi^2/\text{NDF}: 174.4/16$

Left: 8.824 ± 0.698 $\chi^2/\text{NDF}: 371.4/35$

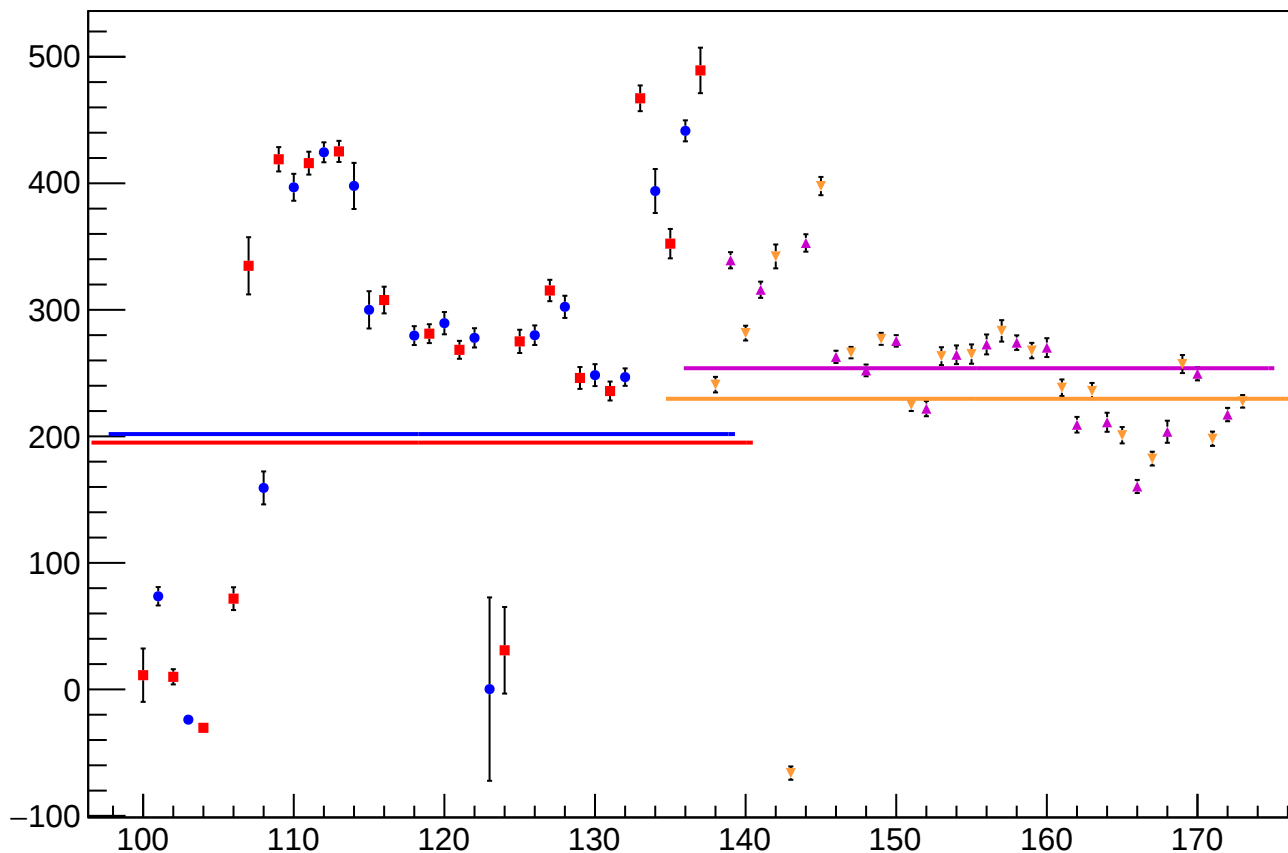
Right: 5.220 ± 0.764 $\chi^2/\text{NDF}: 551.3/35$

In: 7.400 ± 0.747 $\chi^2/\text{NDF}: 496.3/33$

Out: 6.985 ± 0.712 $\chi^2/\text{NDF}: 438.3/37$

All: 7.183 ± 0.515 $\chi^2/\text{NDF}: 934.8/71$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 201.807 $\pm$ 1.970 χ^2 /NDF: 6754.2/16

Left Out: 229.693 $\pm$ 1.374 χ^2 /NDF:4338.1/18

Right Out: 195.053 $\pm$ 1.924 χ^2 /NDF: 8257.1/18

Left In: 253.857 $\pm$ 1.439 χ^2 /NDF:1048.2/16

Left: 241.218 $\pm$ 0.994 χ^2 /NDF: 5533.7/35

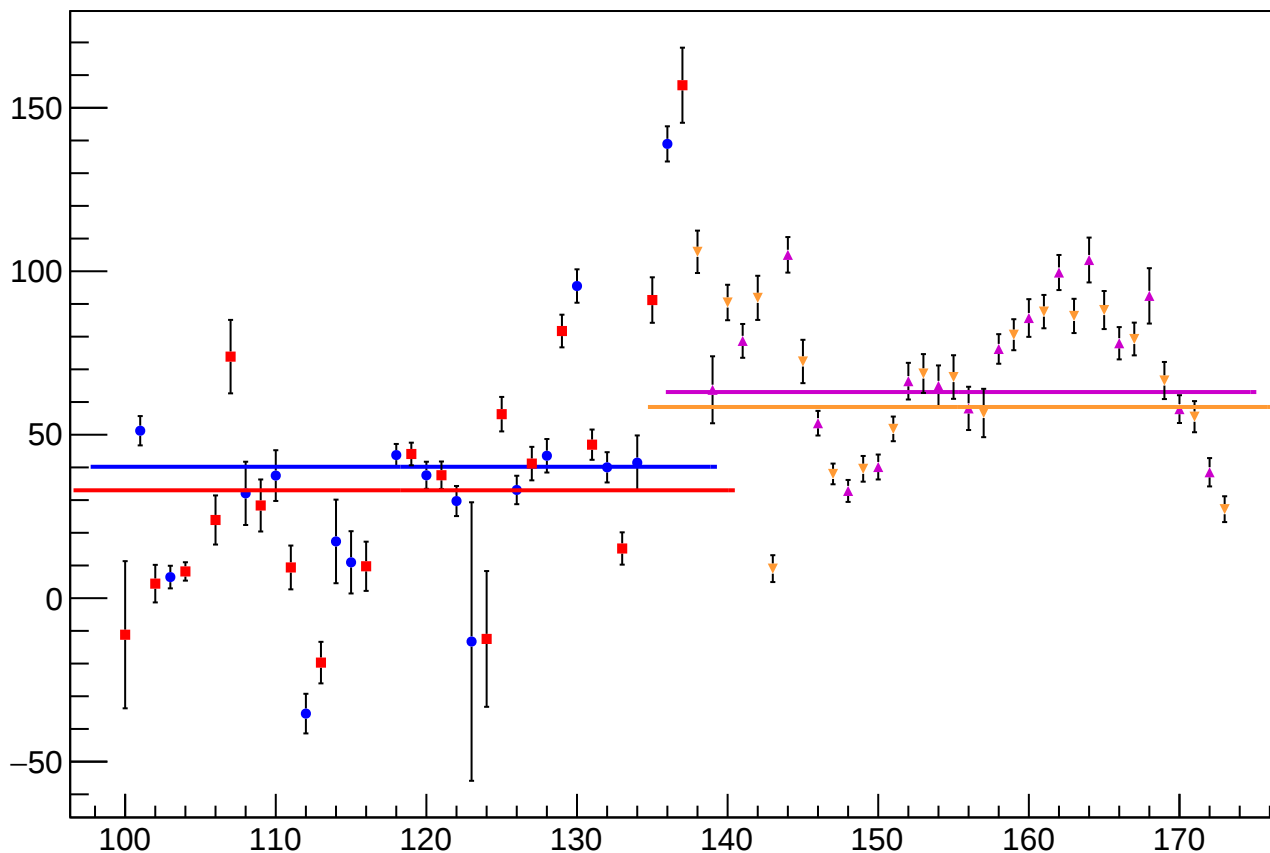
Right: 198.351 $\pm$ 1.377 χ^2 /NDF: 15017.4/35

In: 235.753 $\pm$ 1.162 χ^2 /NDF:8257.5/33

Out: 217.996 $\pm$ 1.118 χ^2 /NDF:12809.7/37

All: 226.534 $\pm$ 0.806 χ^2 /NDF: 21188.5/71

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.196+/-1.268 χ^2 /NDF: 735.0/16

Left Out: 58.486+/-1.123 χ^2 /NDF:526.0/18

Right Out: 32.999+/-1.253 χ^2 /NDF: 554.1/18

Left In: 63.056+/-1.206 χ^2 /NDF:353.1/16

Left: 60.606+/-0.822 χ^2 /NDF: 886.9/35

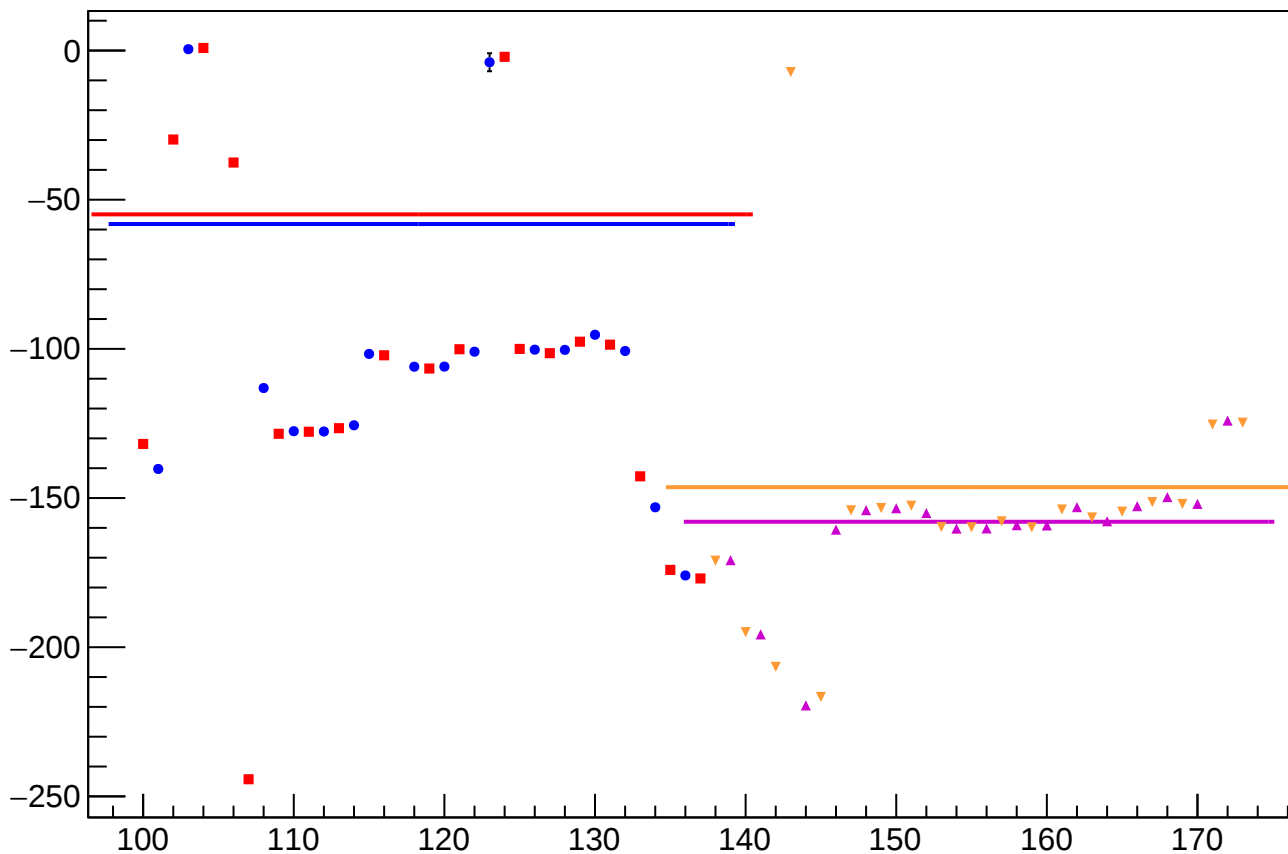
Right: 36.555+/-0.891 χ^2 /NDF: 1305.3/35

In: 52.190+/-0.874 χ^2 /NDF:1258.7/33

Out: 47.133+/-0.836 χ^2 /NDF:1309.7/37

All: 49.550+/-0.604 χ^2 /NDF: 2586.0/71

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -58.155 ± 0.062 $\chi^2/\text{NDF}: 1105509.3/16$

Left Out: -146.360 ± 0.054 $\chi^2/\text{NDF}: 610222.5/18$

Right Out: -54.914 ± 0.060 $\chi^2/\text{NDF}: 1003885.5/18$

Left In: -157.950 ± 0.057 $\chi^2/\text{NDF}: 102573.2/16$

Left: -151.893 ± 0.039 $\chi^2/\text{NDF}: 734605.7/35$

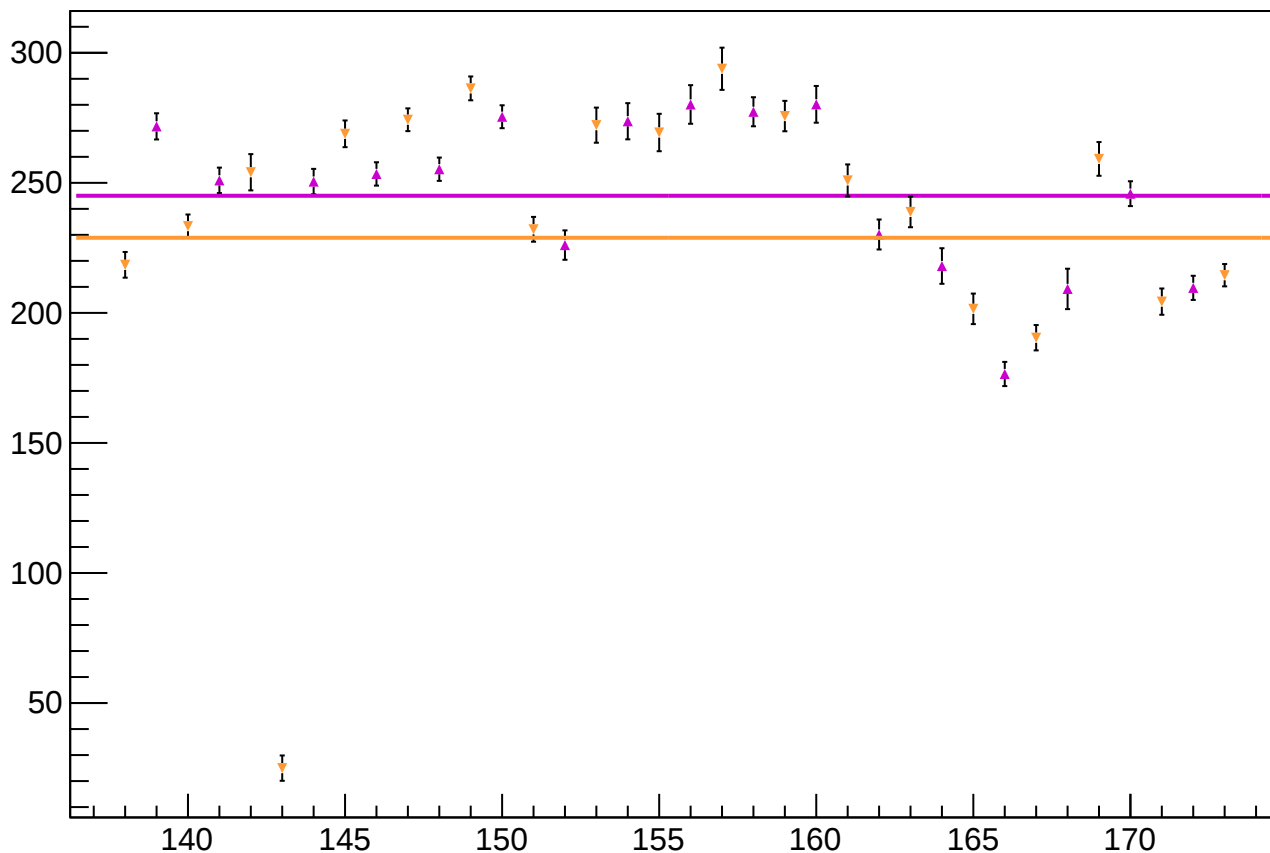
Right: -56.499 ± 0.043 $\chi^2/\text{NDF}: 2110811.0/35$

In: -112.126 ± 0.042 $\chi^2/\text{NDF}: 2628725.5/33$

Out: -105.415 ± 0.040 $\chi^2/\text{NDF}: 2887536.3/37$

All: -108.654 ± 0.029 $\chi^2/\text{NDF}: 5529648.5/71$

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: 228.888+/-1.227 χ^2/NDF :2454.2/18

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

Left In: 245.037+/-1.290 χ^2/NDF :514.7/16

Left: 236.557+/-0.889 χ^2/NDF : 3051.1/35

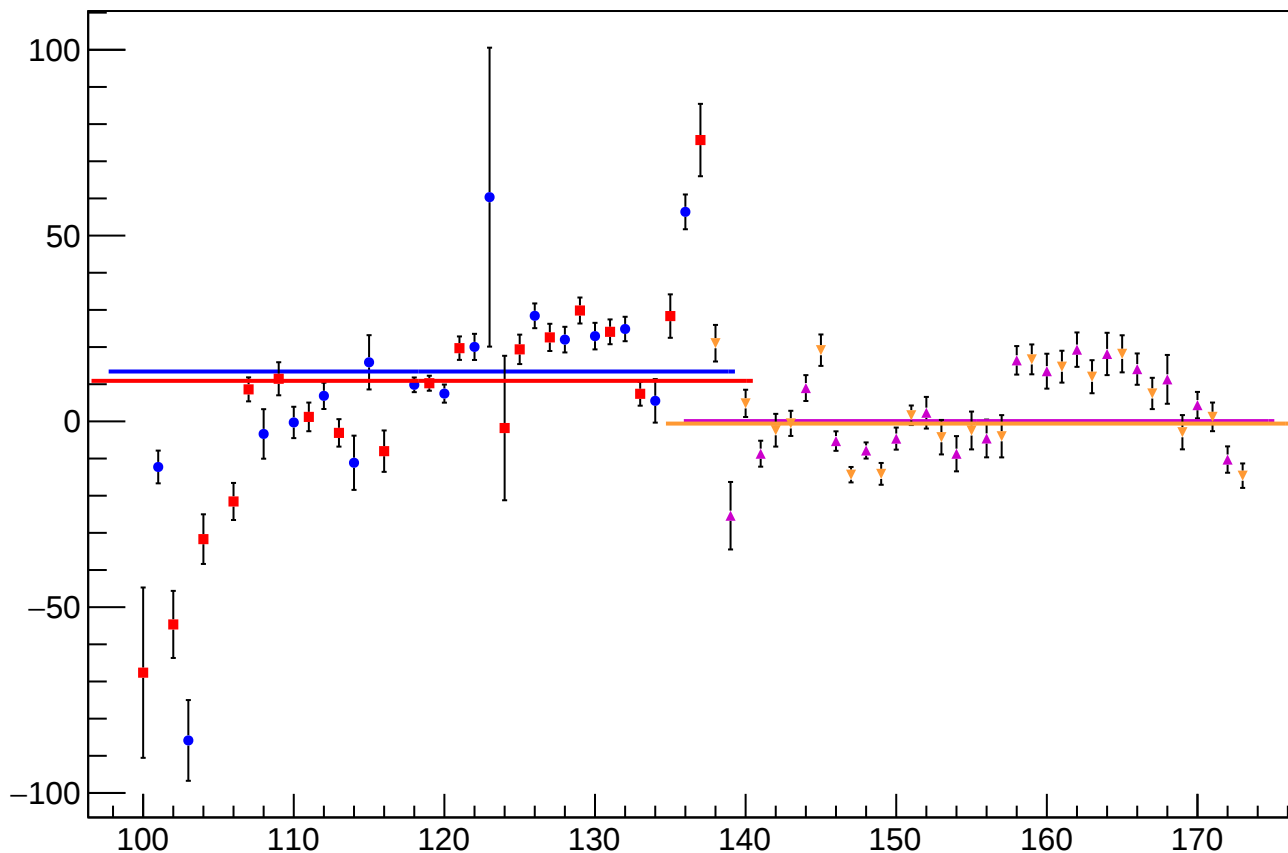
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 245.037+/-1.290 χ^2/NDF :514.7/16

Out: 228.888+/-1.227 χ^2/NDF :2454.2/18

All: 236.557+/-0.889 χ^2/NDF : 3051.1/35

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.423+/-0.920 χ^2/NDF : 295.2/16

Left Out: -0.593+/-0.849 χ^2/NDF :186.2/18

Right Out: 10.908+/-0.916 χ^2/NDF : 302.6/18

Left In: 0.078+/-0.907 χ^2/NDF :122.8/16

Left: -0.280+/-0.620 χ^2/NDF : 309.3/35

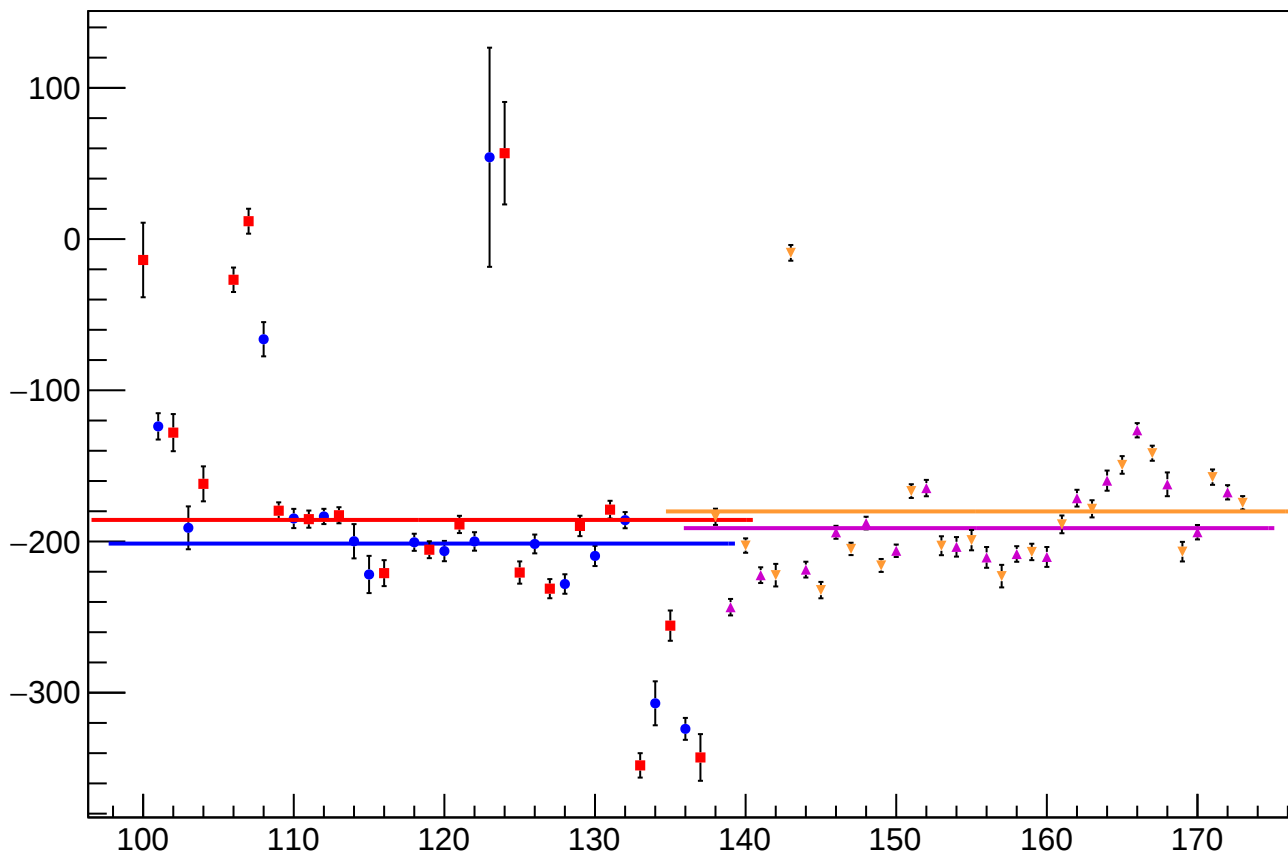
Right: 12.160+/-0.649 χ^2/NDF : 601.6/35

In: 6.662+/-0.646 χ^2/NDF :524.7/33

Out: 4.718+/-0.623 χ^2/NDF :573.6/37

All: 5.654+/-0.448 χ^2/NDF : 1103.0/71

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.384 $\pm$ 1.779 χ^2/NDF : 623.5/16

Left Out: -180.116 $\pm$ 1.220 χ^2/NDF :1550.1/18

Right Out: -185.739 $\pm$ 1.700 χ^2/NDF : 1749.3/18

Left In: -191.173 $\pm$ 1.269 χ^2/NDF :485.0/16

Left: -185.425 $\pm$ 0.879 χ^2/NDF : 2074.5/35

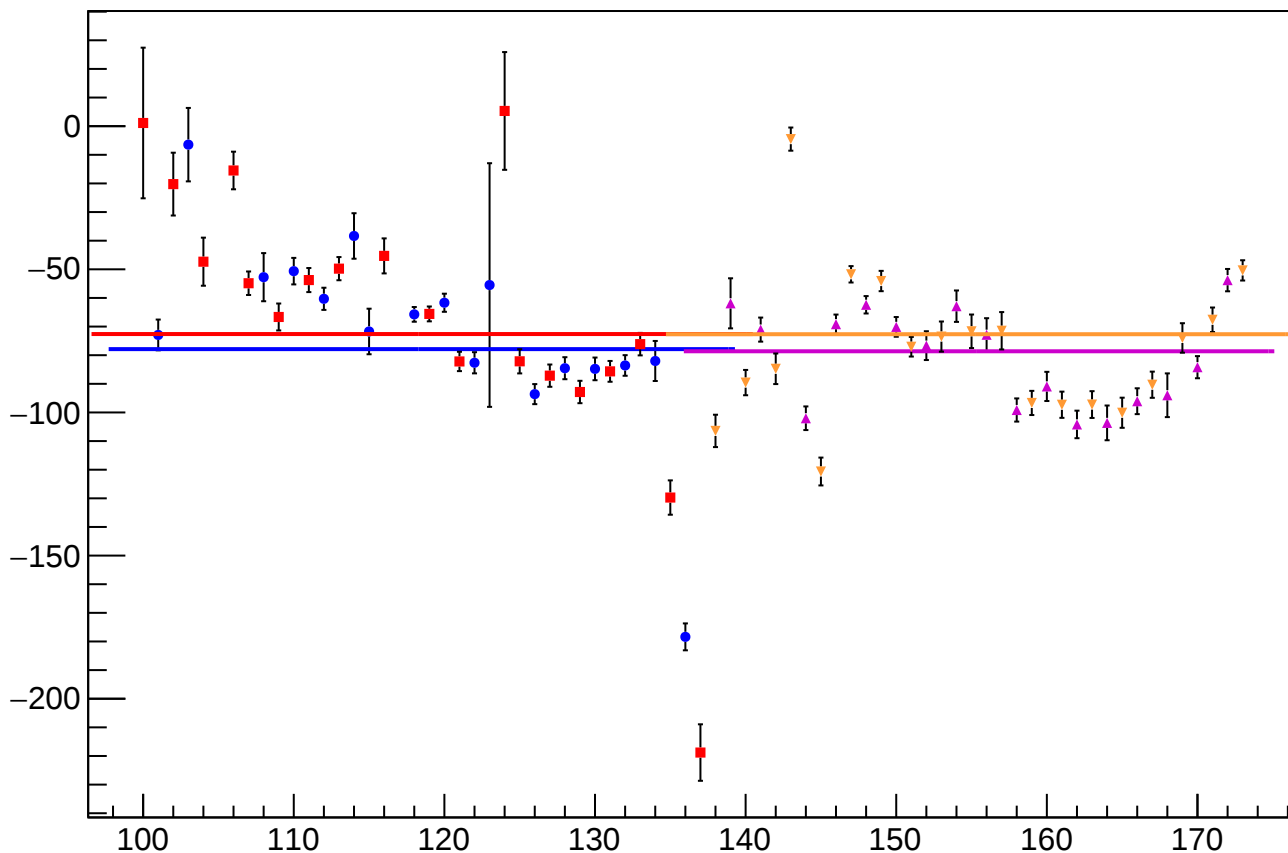
Right: -193.204 $\pm$ 1.229 χ^2/NDF : 2413.2/35

In: -194.615 $\pm$ 1.033 χ^2/NDF :1130.3/33

Out: -182.027 $\pm$ 0.991 χ^2/NDF :3306.6/37

All: -188.059 $\pm$ 0.715 χ^2/NDF : 4514.2/71

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.877 ± 1.066 χ^2/NDF : 658.2/16

Left Out: -72.670 ± 0.999 χ^2/NDF : 691.1/18

Right Out: -72.612 ± 1.054 χ^2/NDF : 606.9/18

Left In: -78.631 ± 1.065 χ^2/NDF : 229.4/16

Left: -75.460 ± 0.729 χ^2/NDF : 937.2/35

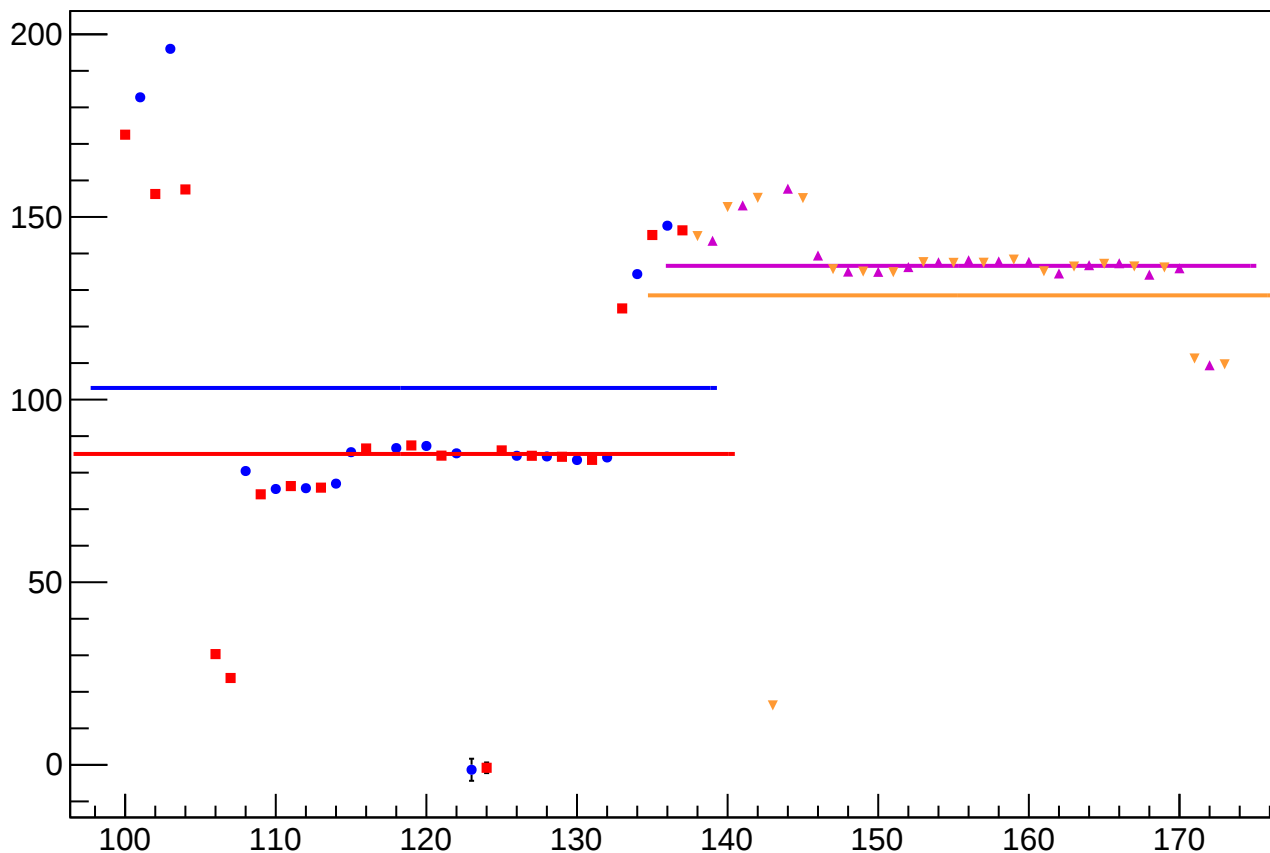
Right: -75.215 ± 0.749 χ^2/NDF : 1277.4/35

In: -78.254 ± 0.753 χ^2/NDF : 887.8/33

Out: -72.643 ± 0.725 χ^2/NDF : 1298.0/37

All: -75.341 ± 0.522 χ^2/NDF : 2214.6/71

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.188 $\pm$ 0.070 χ^2 /NDF: 273587.8/16

Left Out: 128.536 $\pm$ 0.048 χ^2 /NDF: 373587.8/18

Right Out: 85.121 $\pm$ 0.064 χ^2 /NDF: 423521.4/18

Left In: 136.619 $\pm$ 0.050 χ^2 /NDF: 42680.6/16

Left: 132.418 $\pm$ 0.035 χ^2 /NDF: 429820.2/35

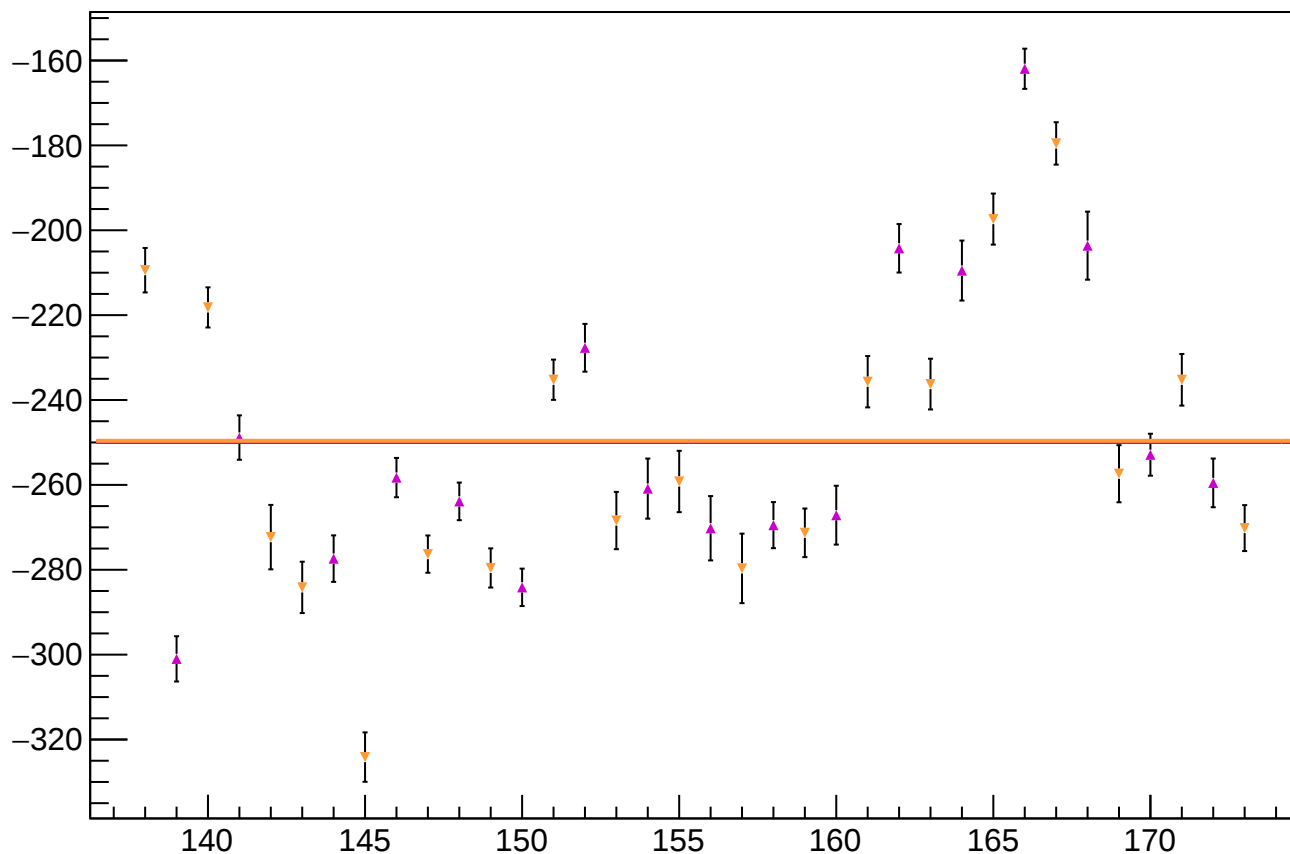
Right: 93.266 $\pm$ 0.047 χ^2 /NDF: 733347.5/35

In: 125.378 $\pm$ 0.041 χ^2 /NDF: 466229.4/33

Out: 112.772 $\pm$ 0.038 χ^2 /NDF: 1092726.4/37

All: 118.696 $\pm$ 0.028 χ^2 /NDF: 1609597.5/71

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: -249.608+/-1.300 χ^2/NDF : 737.8/18

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

Left In: -249.892+/-1.337 χ^2/NDF : 712.9/16

Left: -249.746+/-0.932 χ^2/NDF : 1450.8/35

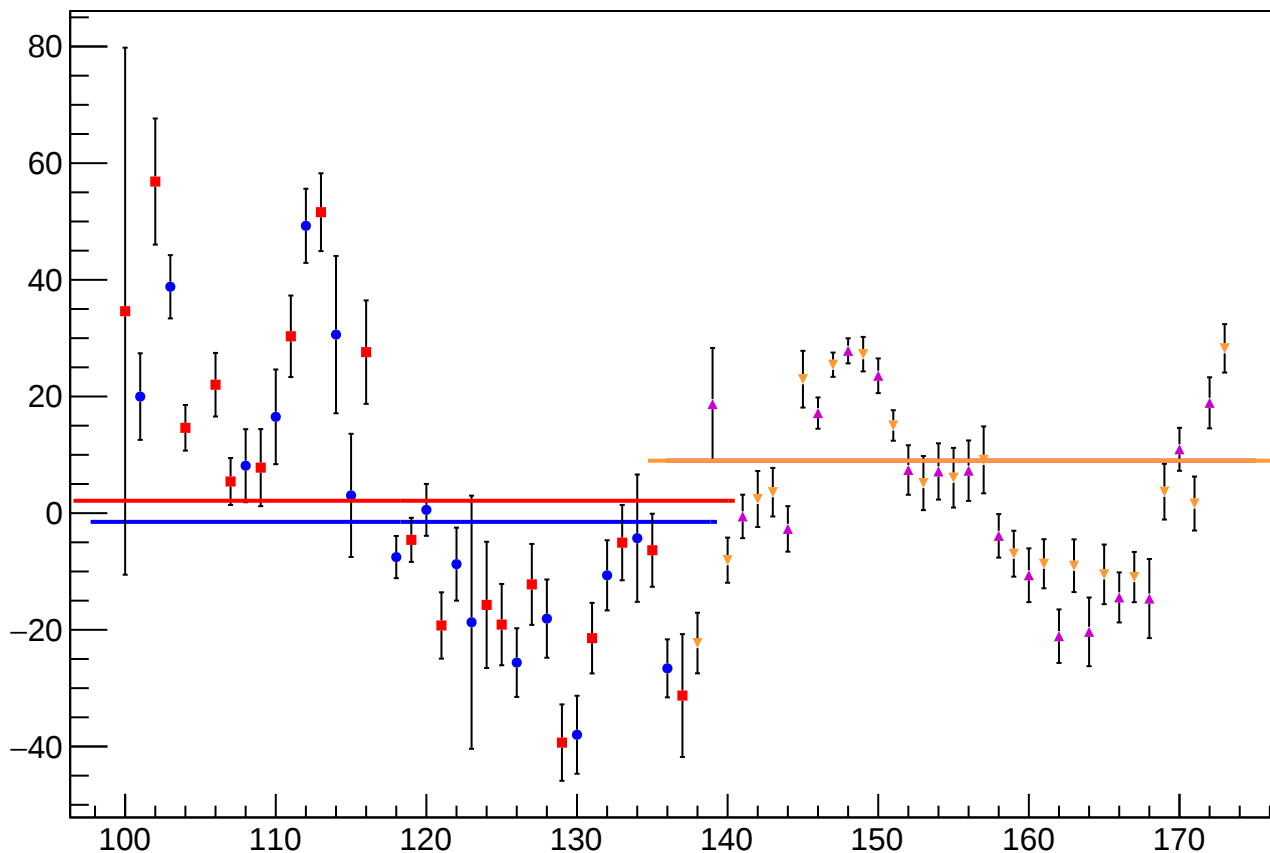
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -249.892+/-1.337 χ^2/NDF : 712.9/16

Out: -249.608+/-1.300 χ^2/NDF : 737.8/18

All: -249.746+/-0.932 χ^2/NDF : 1450.8/35

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.492 ± 1.513 $\chi^2/\text{NDF}: 226.1/16$

Left Out: 8.993 ± 0.889 $\chi^2/\text{NDF}: 285.6/18$

Right Out: 2.127 ± 1.402 $\chi^2/\text{NDF}: 232.6/18$

Left In: 9.013 ± 0.932 $\chi^2/\text{NDF}: 272.4/16$

Left: 9.002 ± 0.644 $\chi^2/\text{NDF}: 558.0/35$

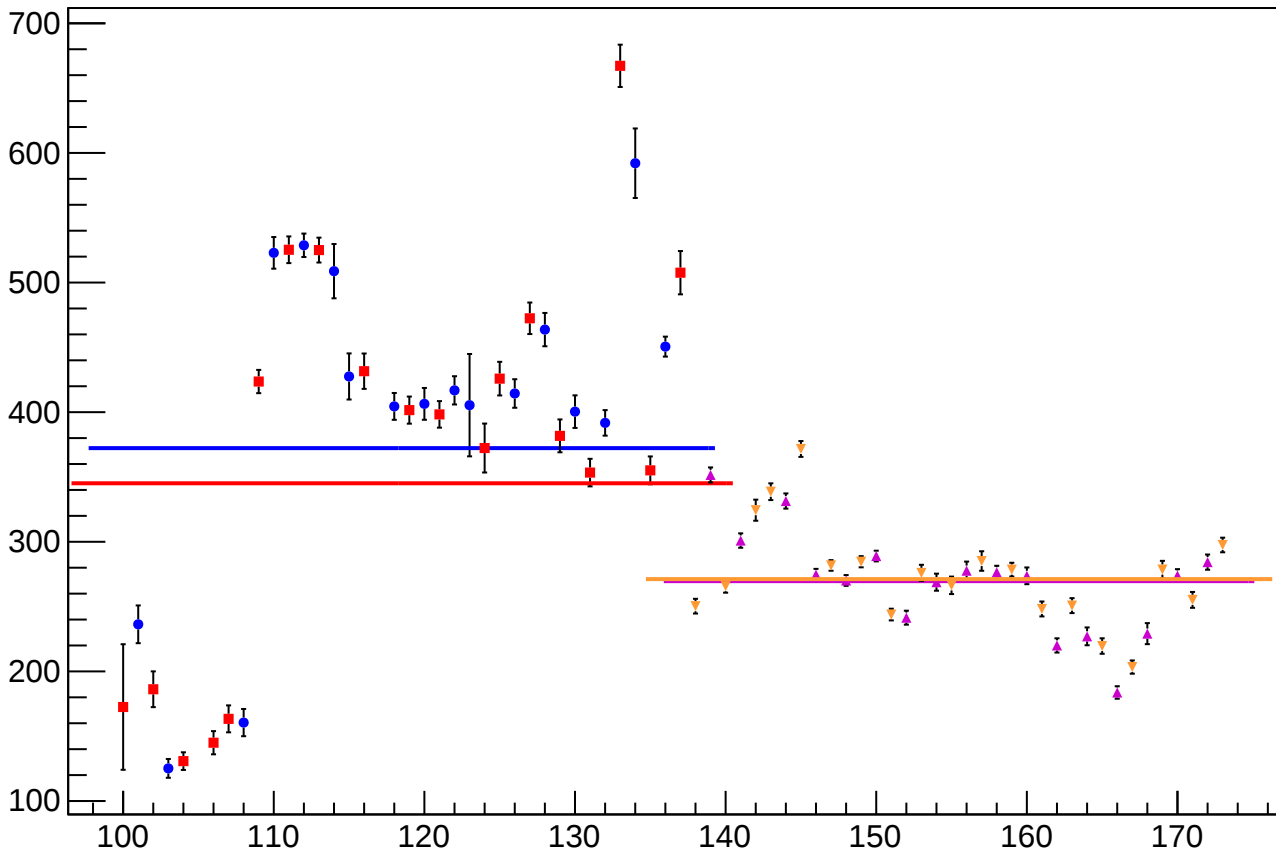
Right: 0.455 ± 1.029 $\chi^2/\text{NDF}: 461.8/35$

In: 6.122 ± 0.794 $\chi^2/\text{NDF}: 533.4/33$

Out: 7.024 ± 0.751 $\chi^2/\text{NDF}: 535.3/37$

All: 6.598 ± 0.546 $\chi^2/\text{NDF}: 1069.4/71$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 372.263+/-2.759 χ^2/NDF : 2433.1/16

Left Out: 271.198+/-1.285 χ^2/NDF :804.9/18

Right Out: 345.135+/-2.562 χ^2/NDF : 3416.5/18

Left In: 269.633+/-1.310 χ^2/NDF :867.5/16

Left: 270.431+/-0.917 χ^2/NDF : 1673.1/35

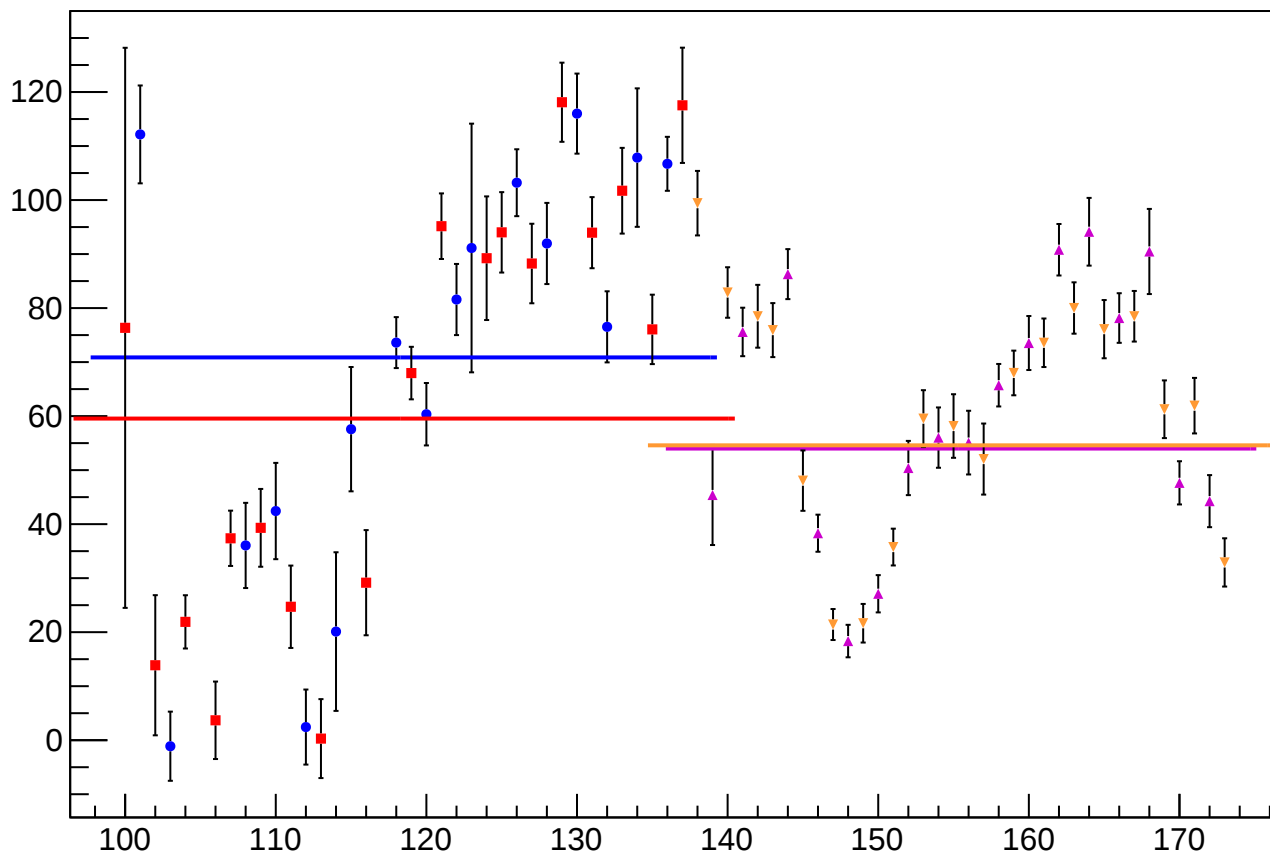
Right: 357.695+/-1.878 χ^2/NDF : 5901.5/35

In: 288.500+/-1.183 χ^2/NDF :4429.6/33

Out: 286.057+/-1.149 χ^2/NDF :4886.7/37

All: 287.242+/-0.824 χ^2/NDF : 9318.5/71

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 70.867 $\pm$ 1.743 χ^2 /NDF: 427.0/16

Left Out: 54.590 $\pm$ 1.051 χ^2 /NDF:506.0/18

Right Out: 59.546 $\pm$ 1.633 χ^2 /NDF: 490.9/18

Left In: 53.993 $\pm$ 1.097 χ^2 /NDF:475.9/16

Left: 54.304 $\pm$ 0.759 χ^2 /NDF: 982.0/35

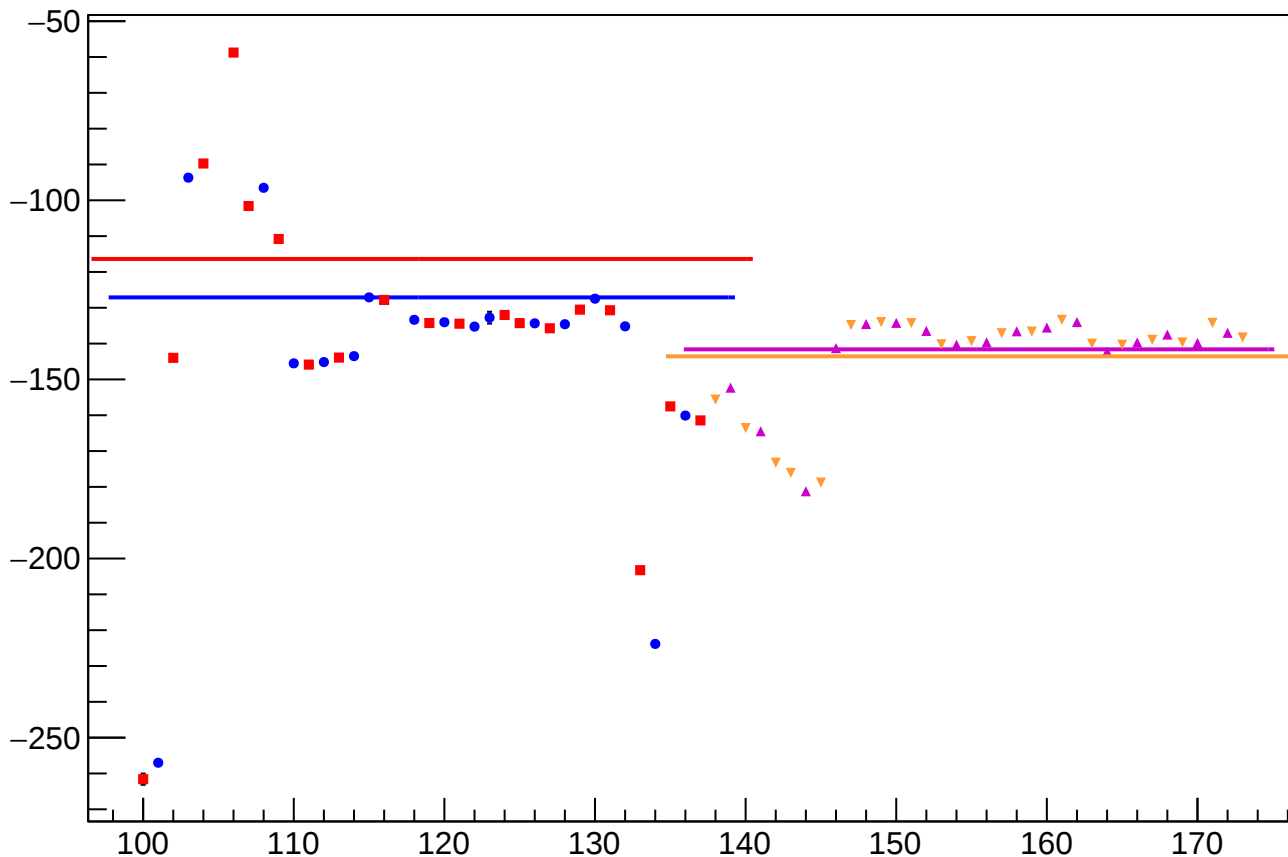
Right: 64.838 $\pm$ 1.192 χ^2 /NDF: 940.3/35

In: 58.781 $\pm$ 0.928 χ^2 /NDF:970.0/33

Out: 56.042 $\pm$ 0.884 χ^2 /NDF:1003.4/37

All: 57.344 $\pm$ 0.640 χ^2 /NDF: 1977.9/71

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.105 $\pm$ 0.089 χ^2 /NDF: 167064.7/16

Left Out: -143.553 $\pm$ 0.051 χ^2 /NDF: 71728.4/18

Right Out: -116.369 $\pm$ 0.083 χ^2 /NDF: 167595.6/18

Left In: -141.608 $\pm$ 0.052 χ^2 /NDF: 44515.5/16

Left: -142.596 $\pm$ 0.036 χ^2 /NDF: 116961.5/35

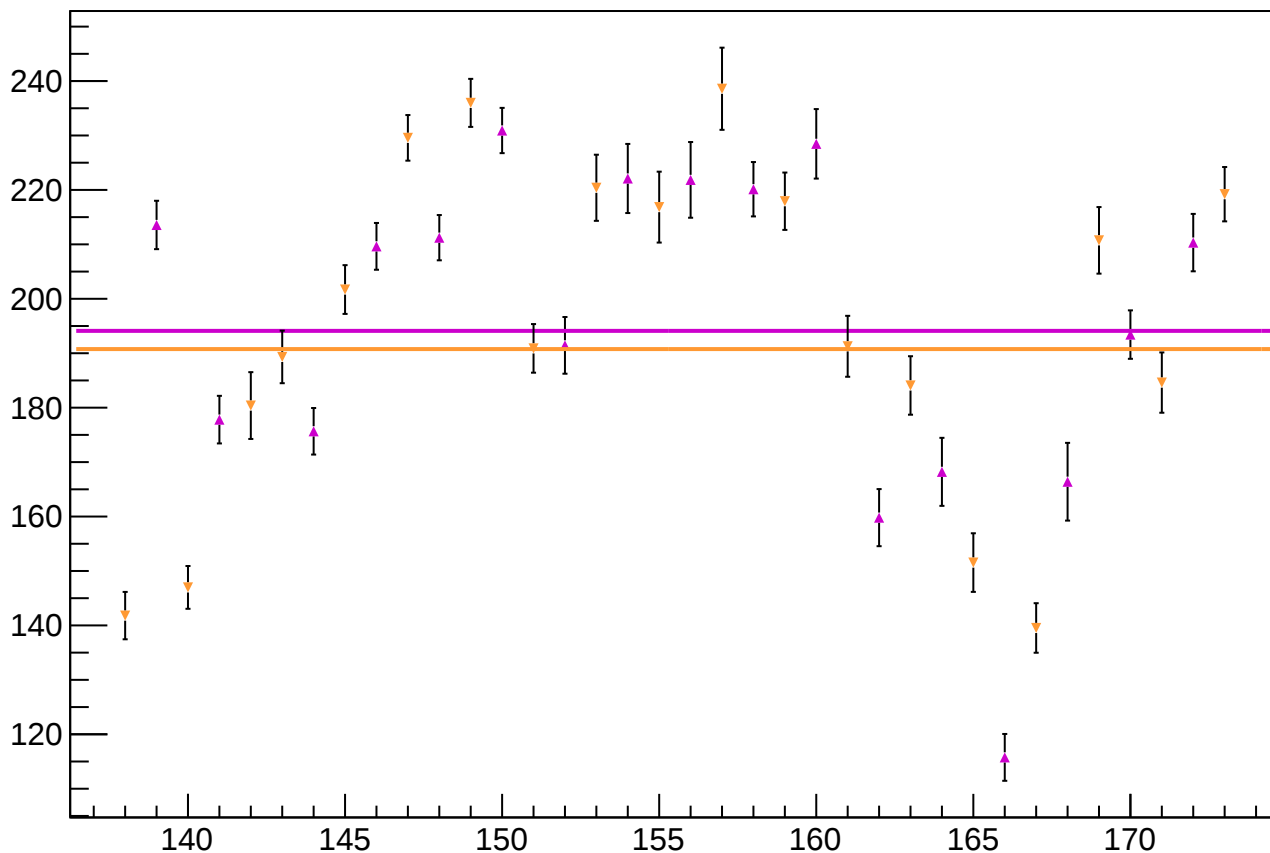
Right: -121.332 $\pm$ 0.061 χ^2 /NDF: 342408.2/35

In: -137.968 $\pm$ 0.045 χ^2 /NDF: 231278.6/33

Out: -136.108 $\pm$ 0.043 χ^2 /NDF: 317358.4/37

All: -137.008 $\pm$ 0.031 χ^2 /NDF: 549526.4/71

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 190.763+/-1.156 χ^2/NDF : 782.8/18

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

Left In: 194.108+/-1.198 χ^2/NDF : 668.0/16

Left: 192.375+/-0.832 χ^2/NDF : 1454.8/35

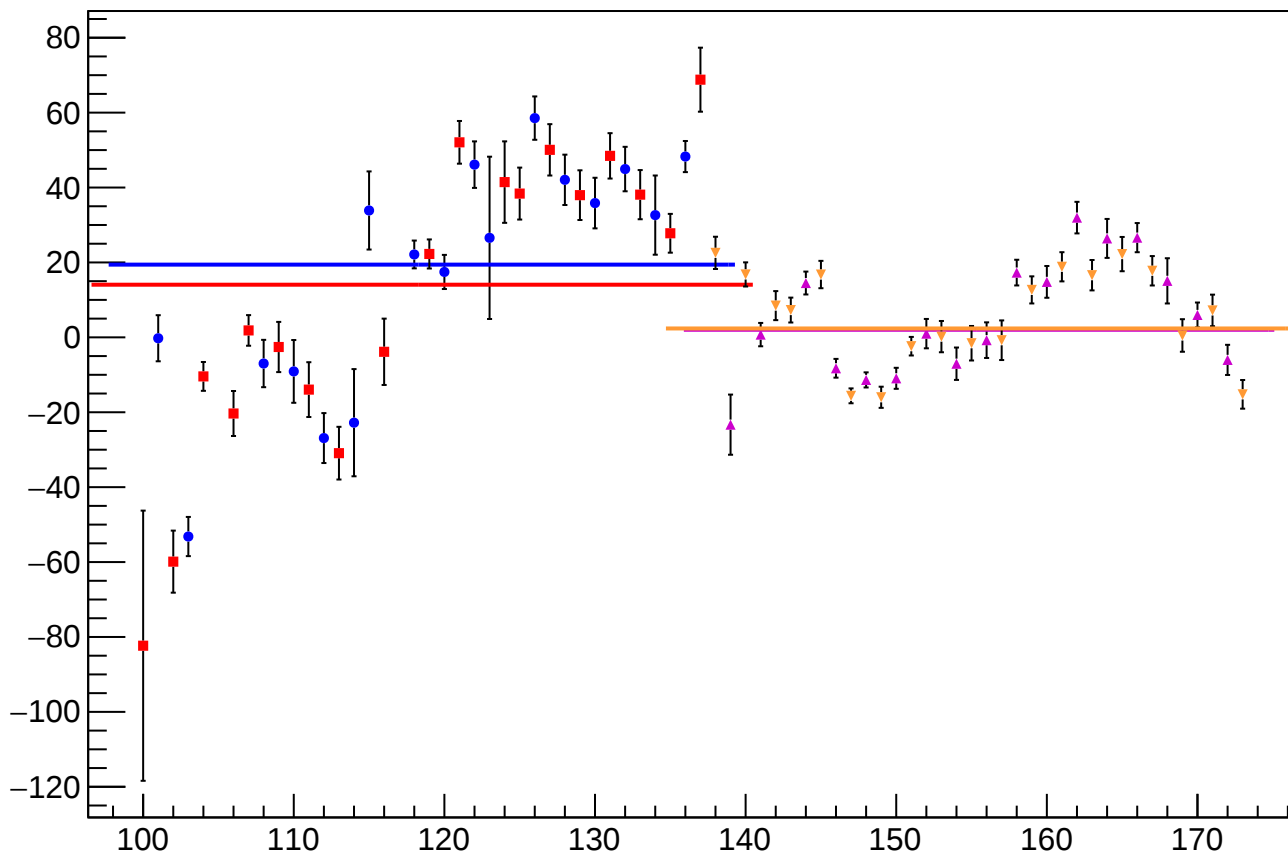
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 194.108+/-1.198 χ^2/NDF : 668.0/16

Out: 190.763+/-1.156 χ^2/NDF : 782.8/18

All: 192.375+/-0.832 χ^2/NDF : 1454.8/35

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.416 ± 1.480 χ^2/NDF : 441.1/16

Left Out: 2.371 ± 0.801 χ^2/NDF : 286.8/18

Right Out: 14.055 ± 1.392 χ^2/NDF : 436.5/18

Left In: 2.021 ± 0.845 χ^2/NDF : 265.3/16

Left: 2.205 ± 0.581 χ^2/NDF : 552.1/35

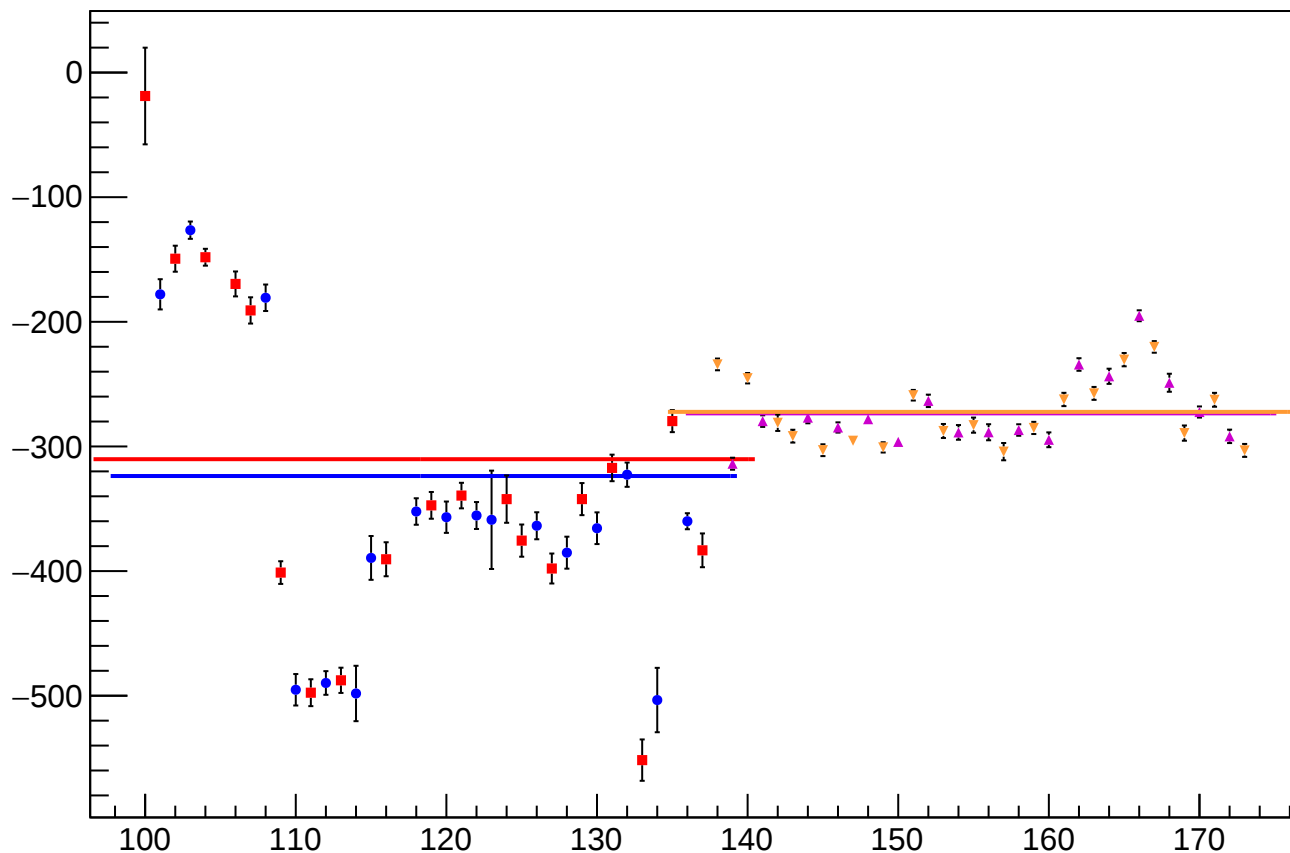
Right: 16.572 ± 1.014 χ^2/NDF : 884.6/35

In: 6.298 ± 0.734 χ^2/NDF : 810.5/33

Out: 5.279 ± 0.694 χ^2/NDF : 776.2/37

All: 5.760 ± 0.504 χ^2/NDF : 1587.8/71

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.721 ± 2.668 $\chi^2/\text{NDF}: 1850.8/16$

Left Out: -272.248 ± 1.149 $\chi^2/\text{NDF}: 540.4/18$

Right Out: -310.223 ± 2.523 $\chi^2/\text{NDF}: 2300.0/18$

Left In: -273.461 ± 1.179 $\chi^2/\text{NDF}: 581.1/16$

Left: -272.839 ± 0.823 $\chi^2/\text{NDF}: 1122.0/35$

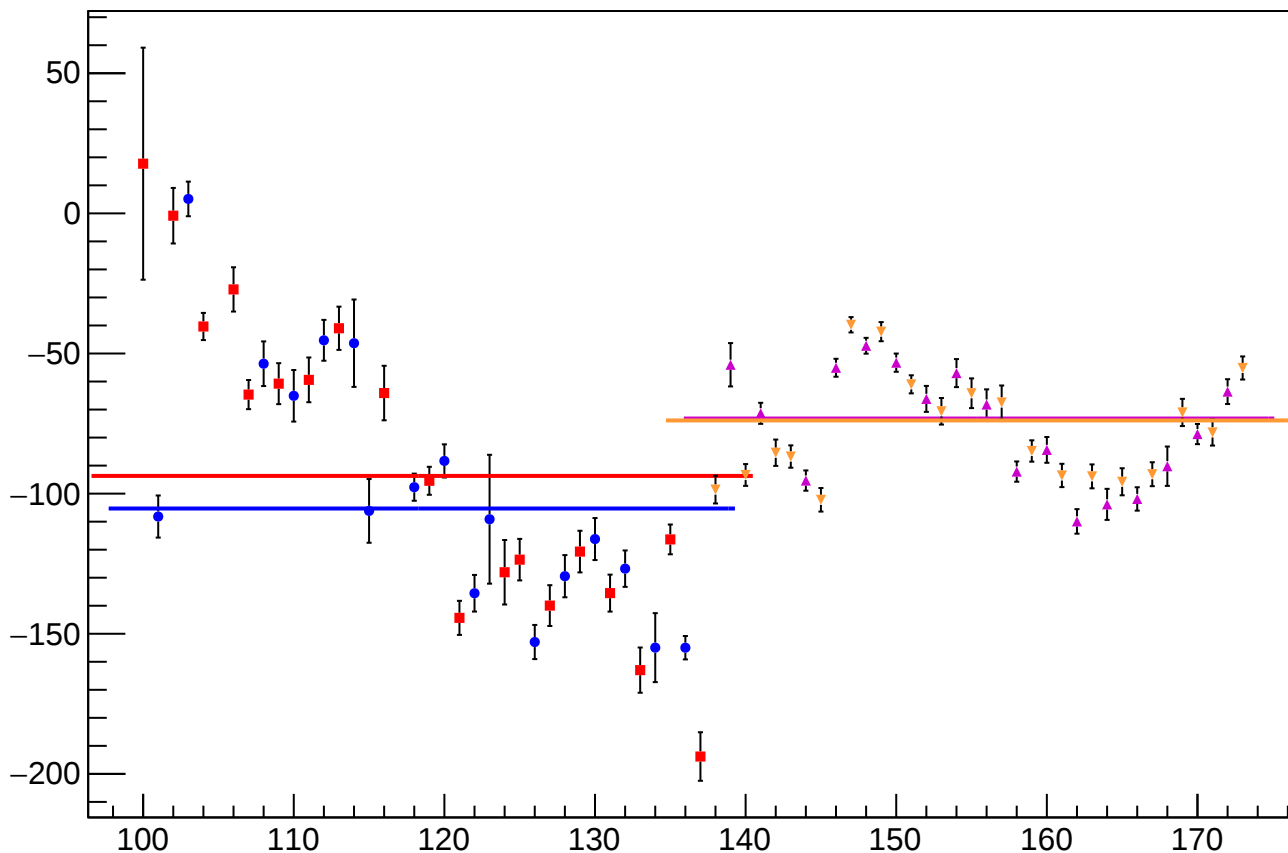
Right: -316.595 ± 1.833 $\chi^2/\text{NDF}: 4164.2/35$

In: -281.674 ± 1.079 $\chi^2/\text{NDF}: 2728.7/33$

Out: -278.774 ± 1.046 $\chi^2/\text{NDF}: 3028.0/37$

All: -280.179 ± 0.751 $\chi^2/\text{NDF}: 5760.4/71$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.309 ± 1.693 χ^2/NDF : 737.5/16

Left Out: -73.880 ± 0.944 χ^2/NDF : 489.1/18

Right Out: -93.680 ± 1.612 χ^2/NDF : 826.5/18

Left In: -73.204 ± 0.992 χ^2/NDF : 406.0/16

Left: -73.559 ± 0.684 χ^2/NDF : 895.4/35

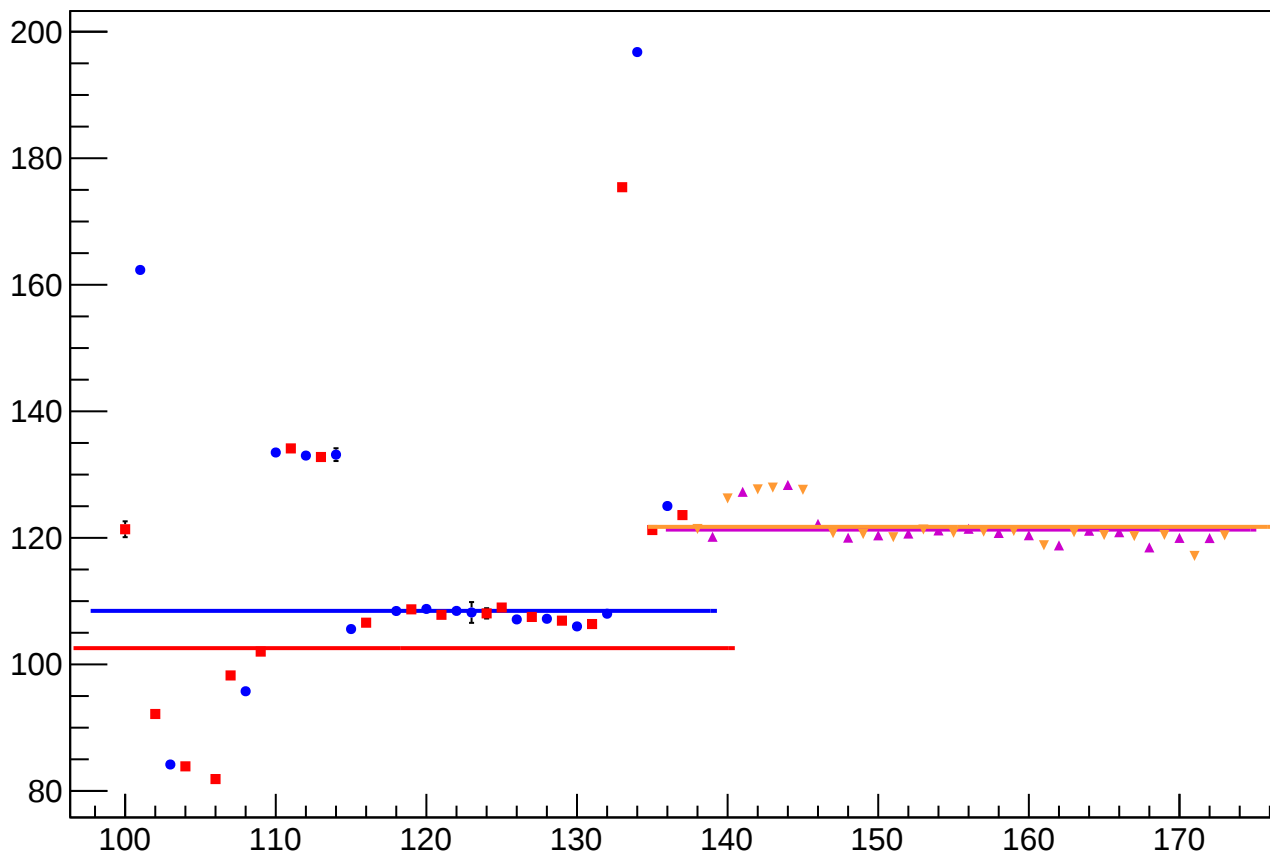
Right: -99.207 ± 1.167 χ^2/NDF : 1588.8/35

In: -81.406 ± 0.856 χ^2/NDF : 1411.1/33

Out: -78.942 ± 0.815 χ^2/NDF : 1428.0/37

All: -80.113 ± 0.590 χ^2/NDF : 2843.5/71

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.461+/-0.085 χ^2/NDF : 73302.1/16

Left Out: 121.741+/-0.045 χ^2/NDF : 4139.3/18

Right Out: 102.570+/-0.079 χ^2/NDF : 53143.8/18

Left In: 121.306+/-0.047 χ^2/NDF : 2830.5/16

Left: 121.529+/-0.033 χ^2/NDF : 7014.3/35

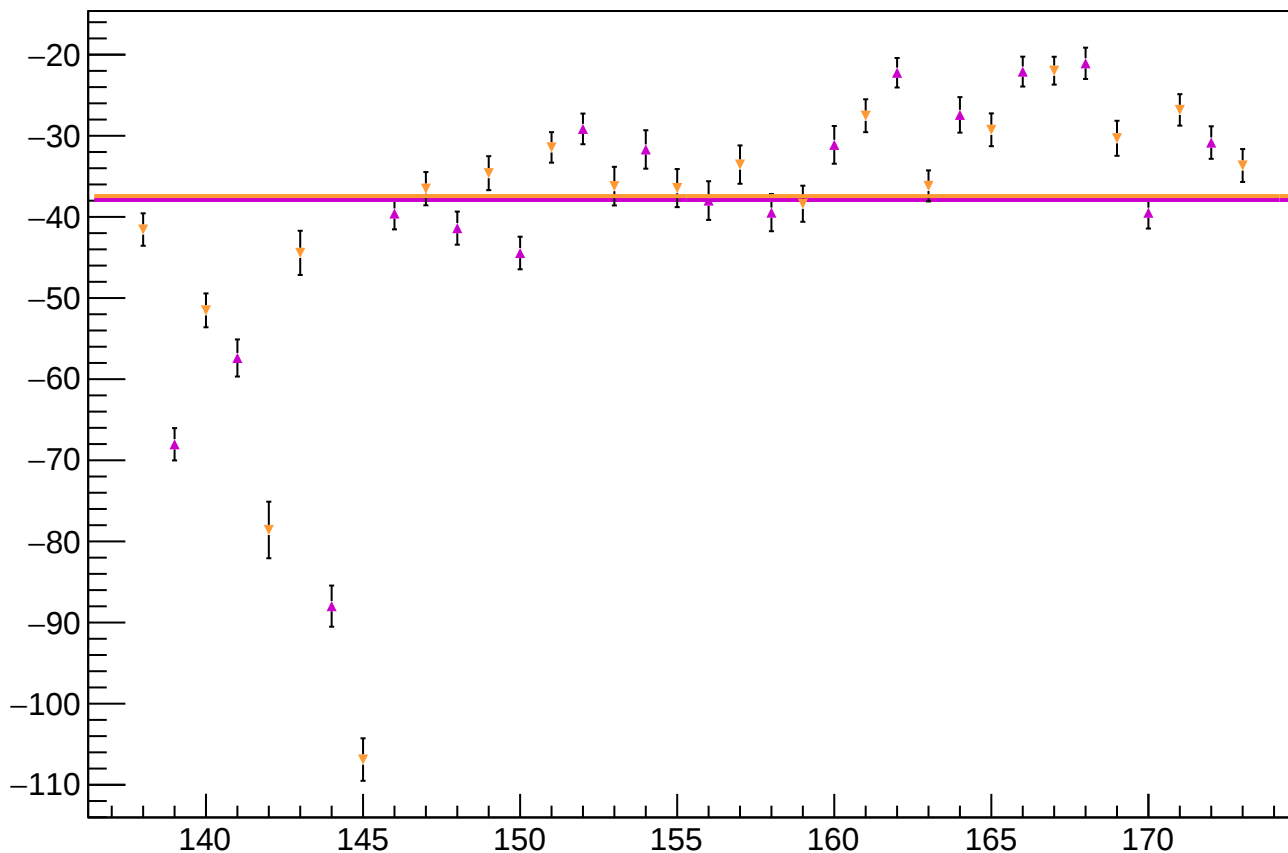
Right: 105.327+/-0.058 χ^2/NDF : 129018.0/35

In: 118.325+/-0.041 χ^2/NDF : 93787.2/33

Out: 117.008+/-0.039 χ^2/NDF : 101120.9/37

All: 117.644+/-0.028 χ^2/NDF : 195446.0/71

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: -37.433+/-0.491 χ^2/NDF :1080.6/18

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

Left In: -37.915+/-0.503 χ^2/NDF :1003.8/16

Left: -37.668+/-0.351 χ^2/NDF : 2084.8/35

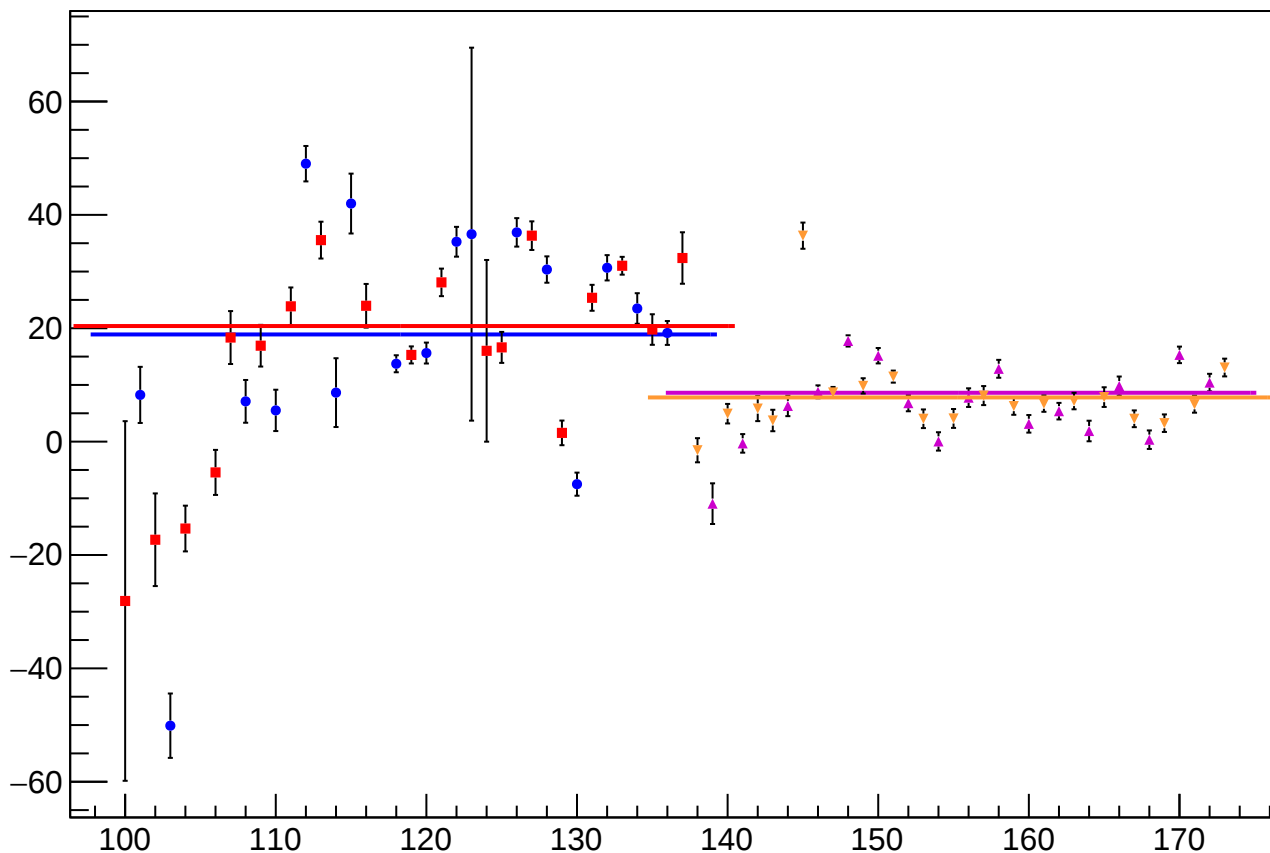
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.915+/-0.503 χ^2/NDF :1003.8/16

Out: -37.433+/-0.491 χ^2/NDF :1080.6/18

All: -37.668+/-0.351 χ^2/NDF : 2084.8/35

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.906 $\pm$ 0.644 χ^2 /NDF: 618.9/16

Left Out: 7.793 $\pm$ 0.348 χ^2 /NDF: 233.9/18

Right Out: 20.390 $\pm$ 0.644 χ^2 /NDF: 365.3/18

Left In: 8.617 $\pm$ 0.364 χ^2 /NDF: 286.0/16

Left: 8.186 $\pm$ 0.252 χ^2 /NDF: 522.6/35

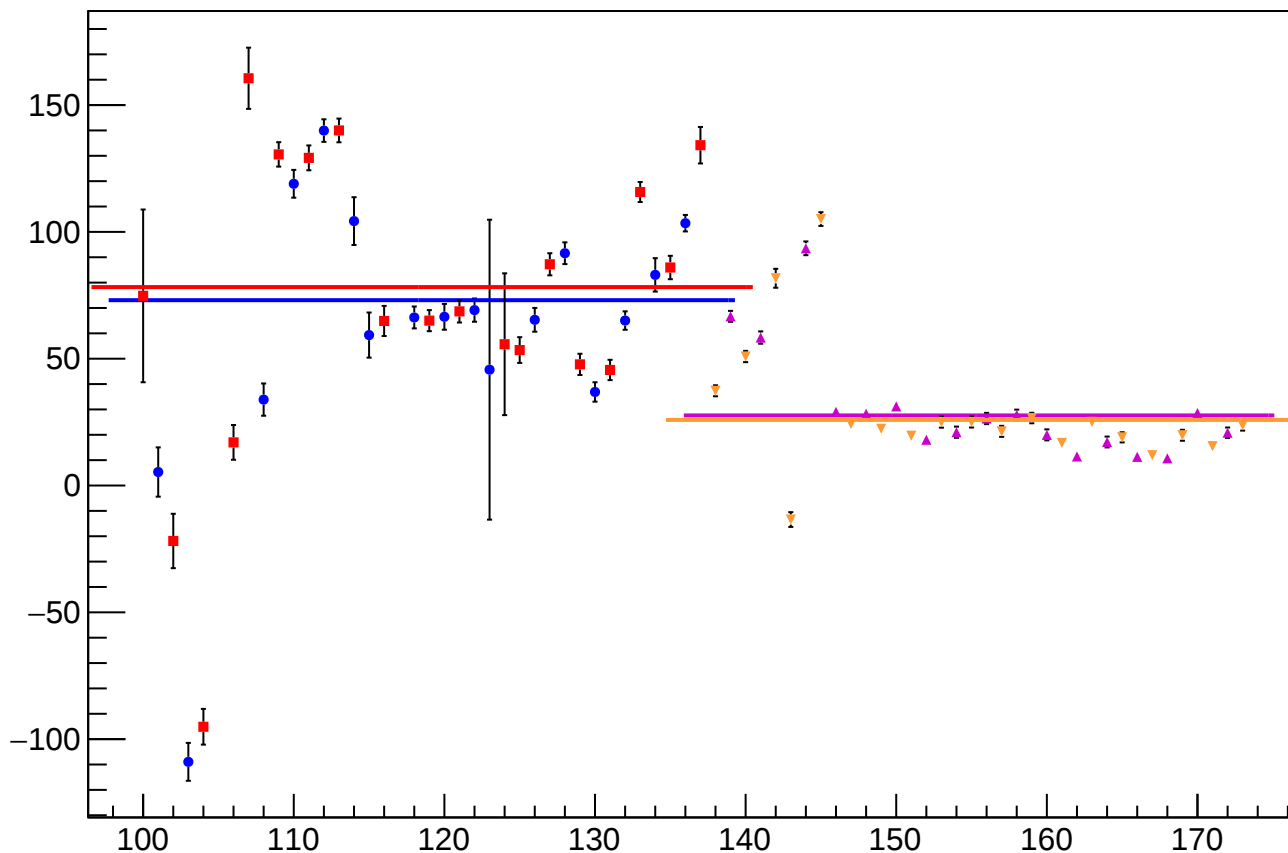
Right: 19.648 $\pm$ 0.455 χ^2 /NDF: 986.9/35

In: 11.116 $\pm$ 0.317 χ^2 /NDF: 1098.5/33

Out: 10.643 $\pm$ 0.306 χ^2 /NDF: 895.4/37

All: 10.871 $\pm$ 0.220 χ^2 /NDF: 1995.1/71

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.071+/-1.228 χ^2/NDF : 1200.0/16

Left Out: 25.863+/-0.484 χ^2/NDF :1572.9/18

Right Out: 78.241+/-1.223 χ^2/NDF : 1542.7/18

Left In: 27.631+/-0.493 χ^2/NDF :1405.2/16

Left: 26.730+/-0.345 χ^2/NDF : 2984.6/35

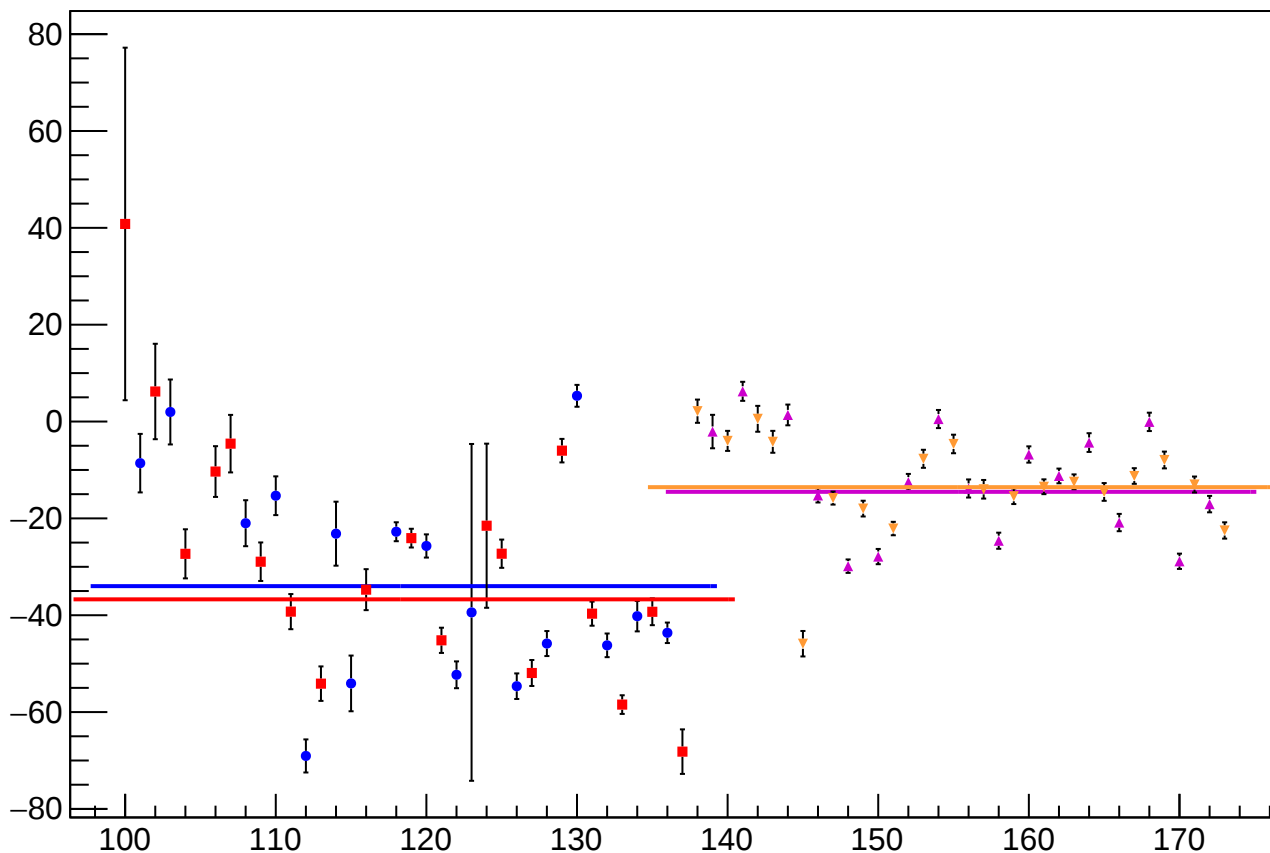
Right: 75.667+/-0.866 χ^2/NDF : 2751.5/35

In: 33.943+/-0.458 χ^2/NDF :3784.5/33

Out: 32.951+/-0.450 χ^2/NDF :4702.6/37

All: 33.439+/-0.321 χ^2/NDF : 8489.6/71

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.991 ± 0.736 χ^2/NDF : 719.8/16

Left Out: -13.552 ± 0.403 χ^2/NDF : 382.9/18

Right Out: -36.719 ± 0.737 χ^2/NDF : 542.9/18

Left In: -14.517 ± 0.422 χ^2/NDF : 685.3/16

Left: -14.013 ± 0.291 χ^2/NDF : 1071.0/35

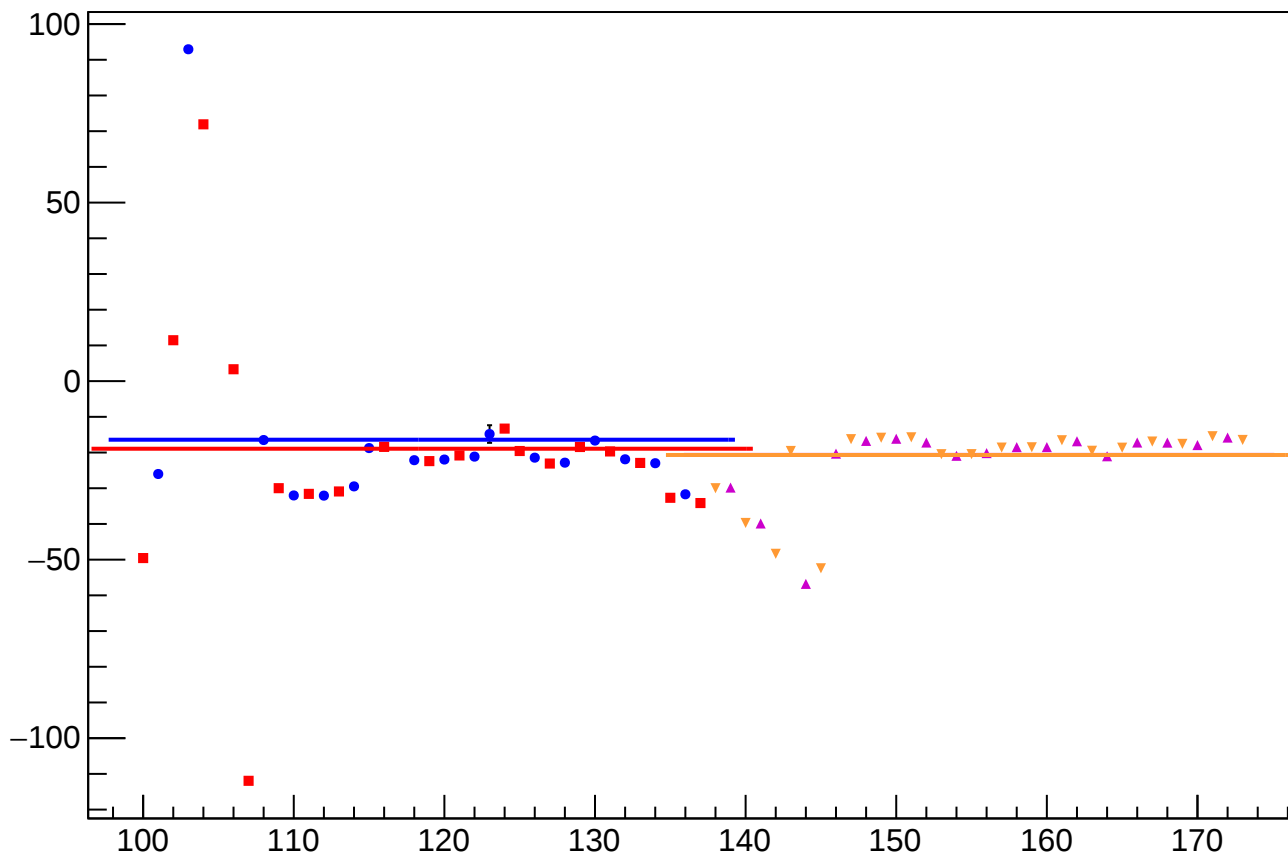
Right: -35.354 ± 0.521 χ^2/NDF : 1269.6/35

In: -19.326 ± 0.366 χ^2/NDF : 1932.0/33

Out: -18.892 ± 0.354 χ^2/NDF : 1686.6/37

All: -19.102 ± 0.254 χ^2/NDF : 3619.3/71

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.408 ± 0.044 $\chi^2/\text{NDF}: 474368.4/16$

Left Out: -20.686 ± 0.019 $\chi^2/\text{NDF}: 201462.8/18$

Right Out: -18.934 ± 0.045 $\chi^2/\text{NDF}: 434152.2/18$

Left In: -20.666 ± 0.019 $\chi^2/\text{NDF}: 167550.1/16$

Left: -20.676 ± 0.013 $\chi^2/\text{NDF}: 369013.5/35$

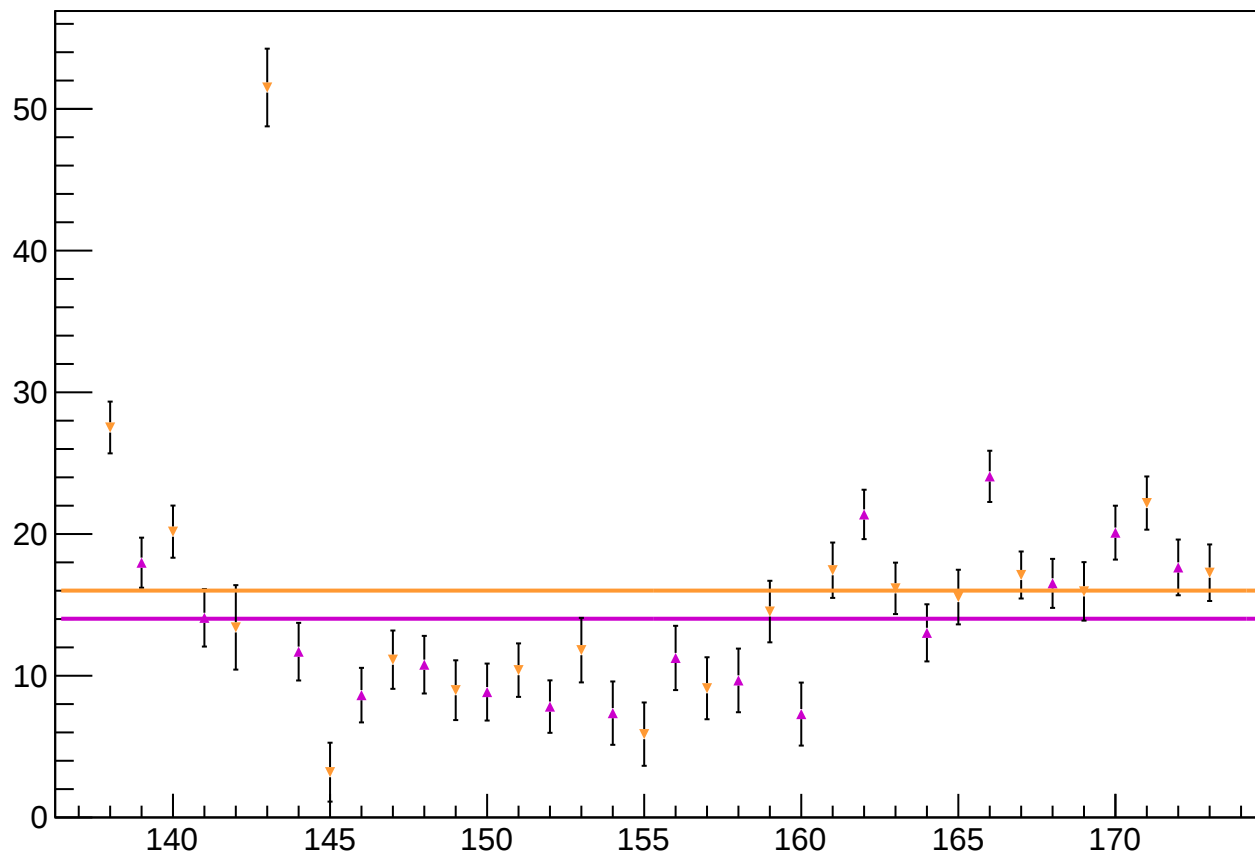
Right: -17.648 ± 0.032 $\chi^2/\text{NDF}: 910108.0/35$

In: -19.996 ± 0.018 $\chi^2/\text{NDF}: 649660.7/33$

Out: -20.429 ± 0.017 $\chi^2/\text{NDF}: 636894.8/37$

All: -20.216 ± 0.012 $\chi^2/\text{NDF}: 1286862.3/71$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 16.008 $\pm$ 0.466 χ^2 /NDF:323.5/18

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

Left In: 14.023 $\pm$ 0.477 χ^2 /NDF:122.5/16

Left: 15.037 $\pm$ 0.333 χ^2 /NDF: 454.8/35

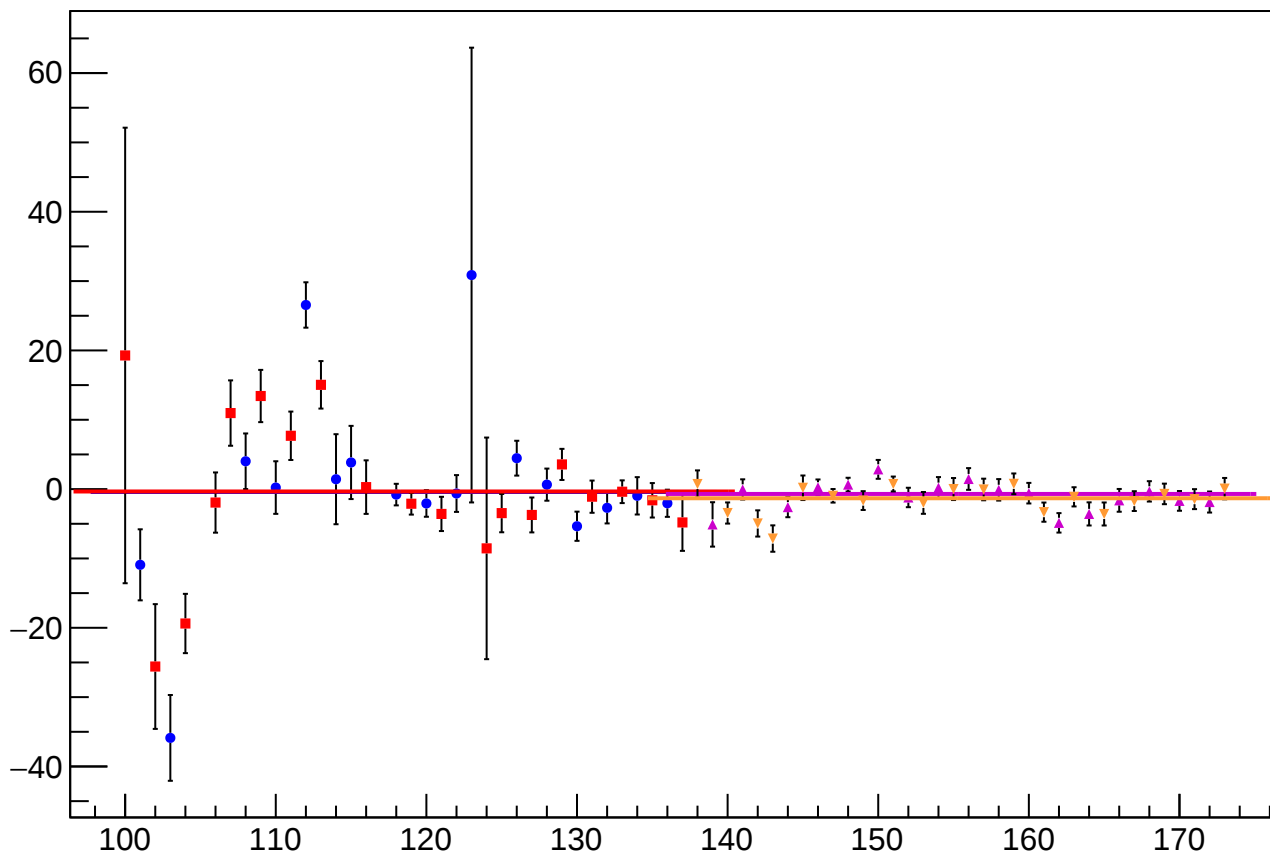
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 14.023 $\pm$ 0.477 χ^2 /NDF:122.5/16

Out: 16.008 $\pm$ 0.466 χ^2 /NDF:323.5/18

All: 15.037 $\pm$ 0.333 χ^2 /NDF: 454.8/35

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.414 ± 0.653 χ^2/NDF : 119.9/16

Left Out: -1.318 ± 0.334 χ^2/NDF : 29.2/18

Right Out: -0.342 ± 0.658 χ^2/NDF : 83.7/18

Left In: -0.697 ± 0.349 χ^2/NDF : 28.9/16

Left: -1.020 ± 0.241 χ^2/NDF : 59.8/35

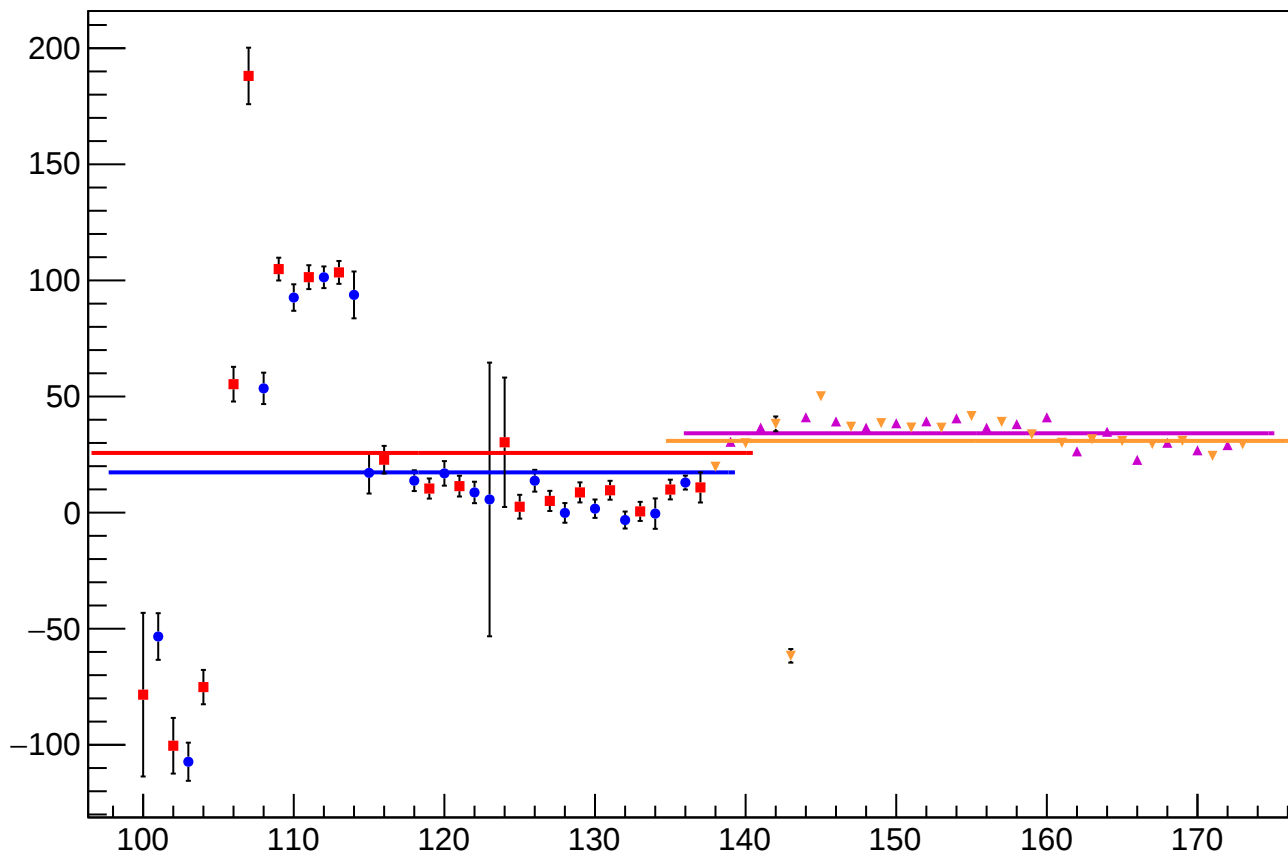
Right: -0.378 ± 0.463 χ^2/NDF : 203.7/35

In: -0.634 ± 0.308 χ^2/NDF : 149.0/33

Out: -1.117 ± 0.298 χ^2/NDF : 114.7/37

All: -0.883 ± 0.214 χ^2/NDF : 265.0/71

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.328 ± 1.239 χ^2/NDF : 943.2/16

Left Out: 30.893 ± 0.461 χ^2/NDF : 1215.8/18

Right Out: 25.701 ± 1.243 χ^2/NDF : 1379.1/18

Left In: 34.170 ± 0.469 χ^2/NDF : 150.6/16

Left: 32.506 ± 0.329 χ^2/NDF : 1391.2/35

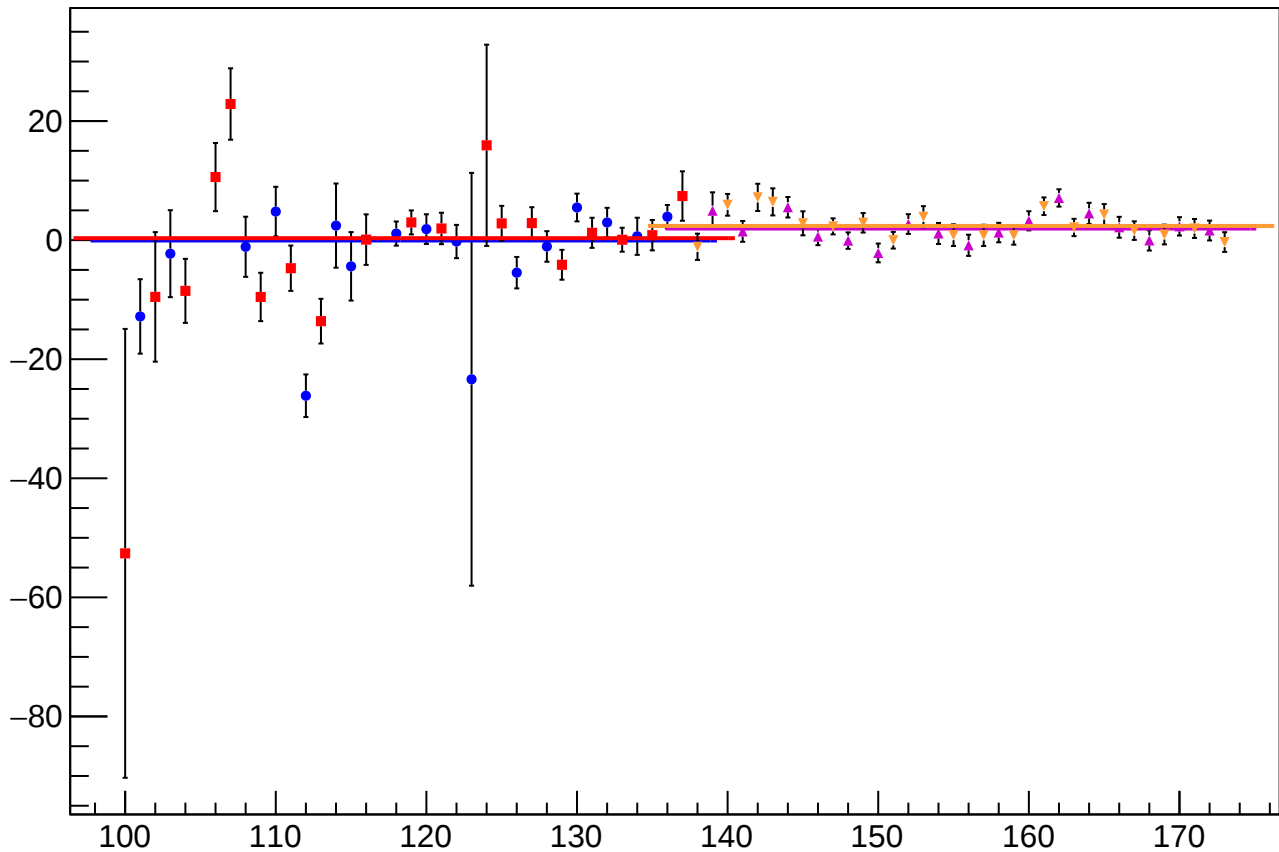
Right: 21.501 ± 0.877 χ^2/NDF : 2345.0/35

In: 32.062 ± 0.438 χ^2/NDF : 1255.5/33

Out: 30.265 ± 0.432 χ^2/NDF : 2610.2/37

All: 31.151 ± 0.308 χ^2/NDF : 3874.2/71

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.744 χ^2/NDF : 76.5/16

Left Out: 2.383 ± 0.386 χ^2/NDF : 30.3/18

Right Out: 0.326 ± 0.749 χ^2/NDF : 55.1/18

Left In: 1.951 ± 0.403 χ^2/NDF : 34.8/16

Left: 2.176 ± 0.279 χ^2/NDF : 65.7/35

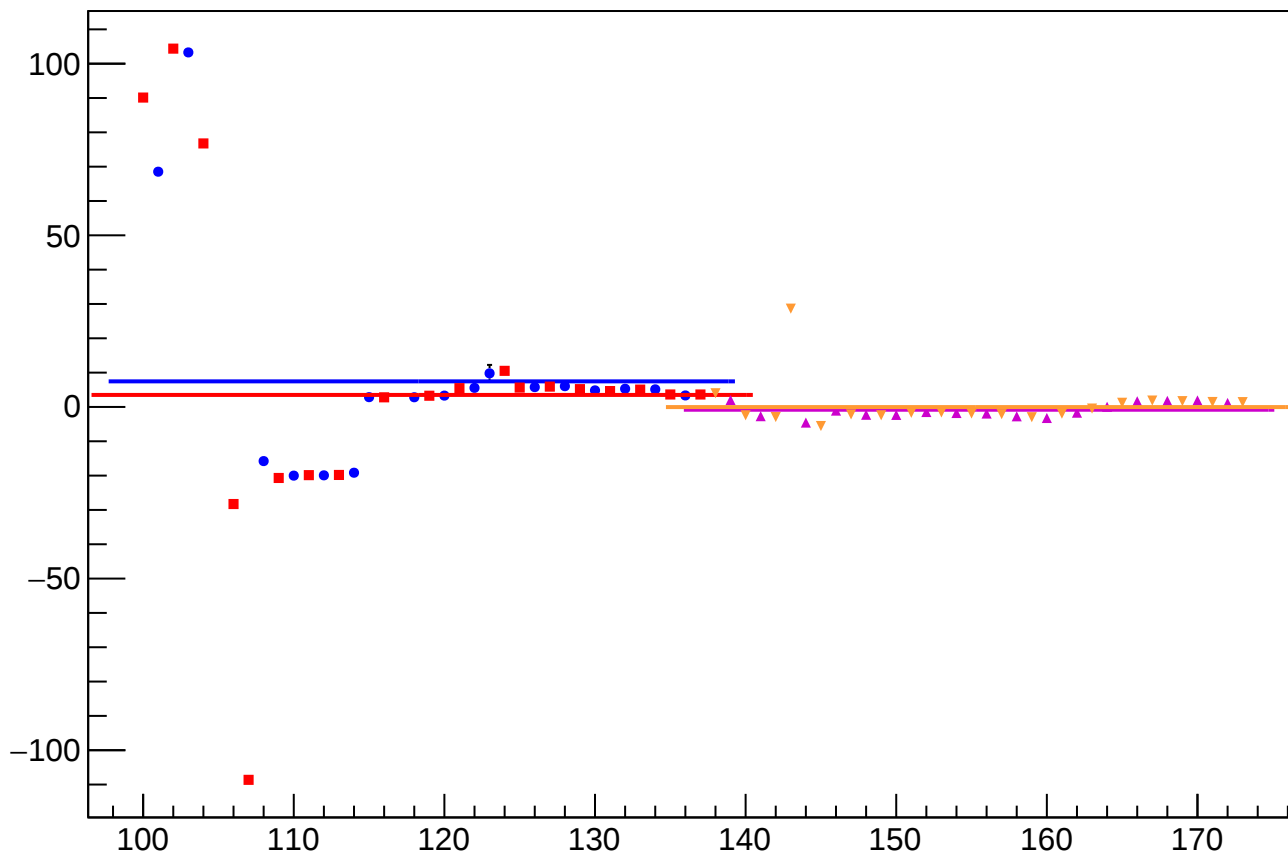
Right: 0.132 ± 0.528 χ^2/NDF : 131.8/35

In: 1.496 ± 0.354 χ^2/NDF : 117.0/33

Out: 1.951 ± 0.343 χ^2/NDF : 91.3/37

All: 1.730 ± 0.247 χ^2/NDF : 209.2/71

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.454+/-0.044 χ^2/NDF : 356053.3/16

Left Out: -0.039+/-0.018 χ^2/NDF : 76865.4/18

Right Out: 3.502+/-0.046 χ^2/NDF : 510579.7/18

Left In: -0.810+/-0.018 χ^2/NDF : 11679.7/16

Left: -0.417+/-0.013 χ^2/NDF : 89458.6/35

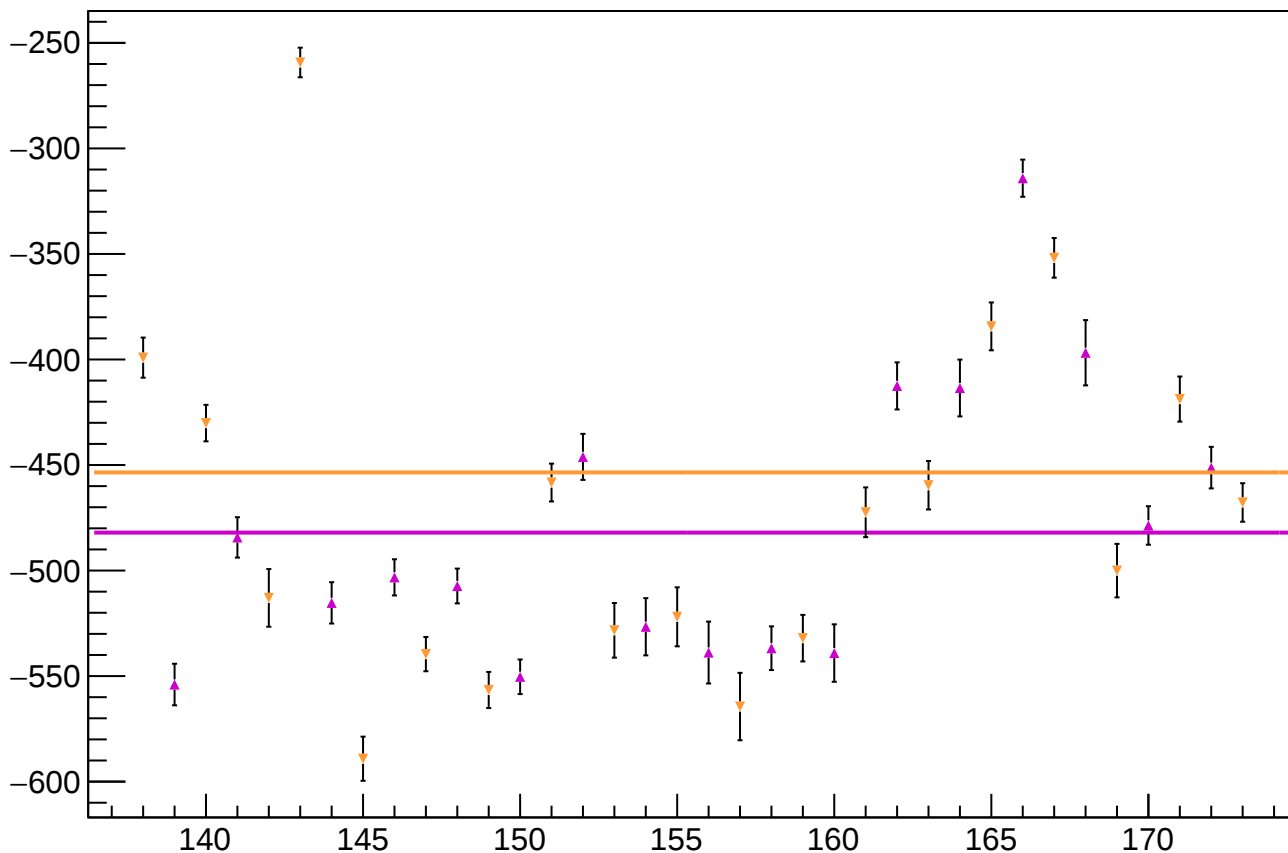
Right: 5.528+/-0.032 χ^2/NDF : 870492.1/35

In: 0.379+/-0.017 χ^2/NDF : 397365.2/33

Out: 0.433+/-0.017 χ^2/NDF : 592684.7/37

All: 0.406+/-0.012 χ^2/NDF : 990055.1/71

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: -453.502+/-2.327 χ^2/NDF :1590.5/18

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

Left In: -482.020+/-2.492 χ^2/NDF :700.9/16

Left: -466.790+/-1.701 χ^2/NDF : 2361.3/35

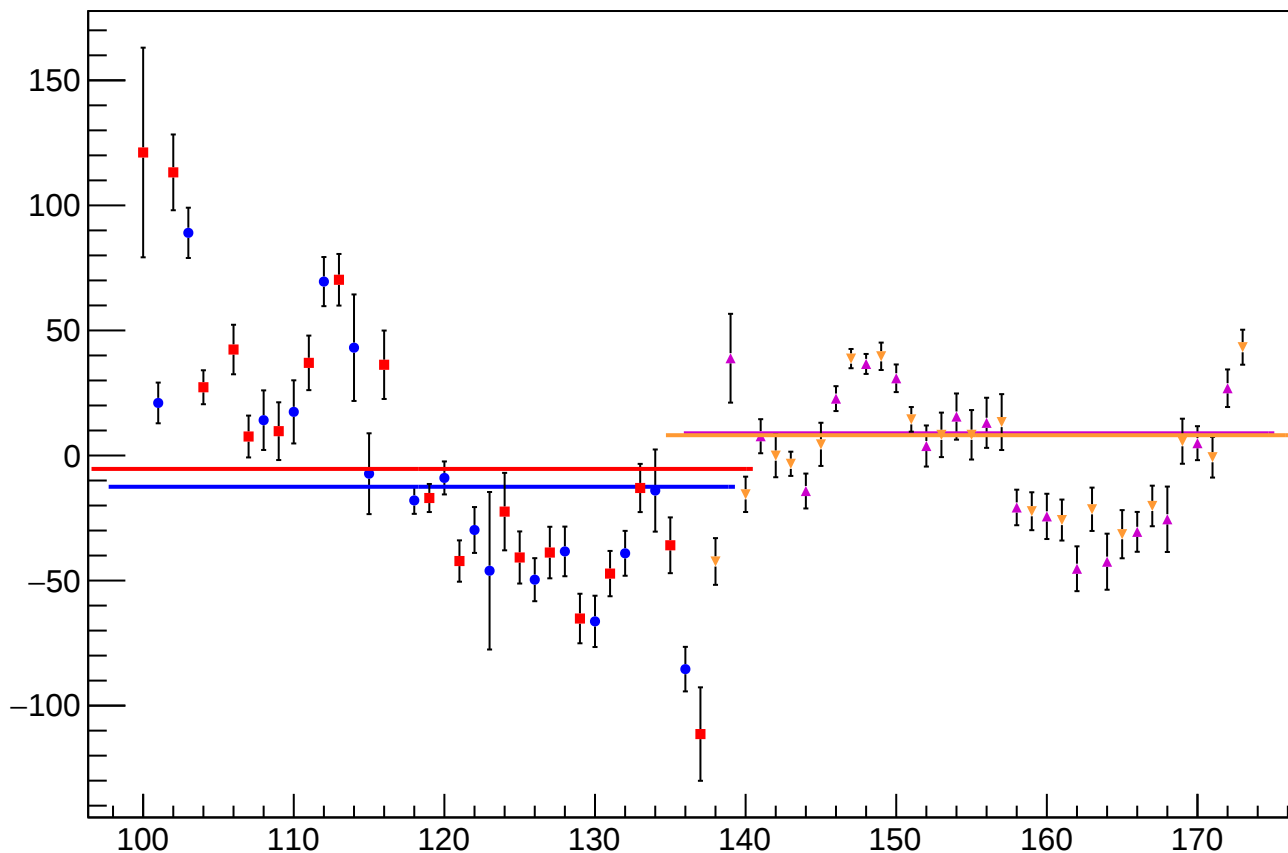
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -482.020+/-2.492 χ^2/NDF :700.9/16

Out: -453.502+/-2.327 χ^2/NDF :1590.5/18

All: -466.790+/-1.701 χ^2/NDF : 2361.3/35

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.500 ± 2.311 χ^2/NDF : 341.1/16

Left Out: 8.118 ± 1.594 χ^2/NDF : 246.1/18

Right Out: -5.363 ± 2.264 χ^2/NDF : 344.6/18

Left In: 8.877 ± 1.738 χ^2/NDF : 212.7/16

Left: 8.465 ± 1.175 χ^2/NDF : 458.8/35

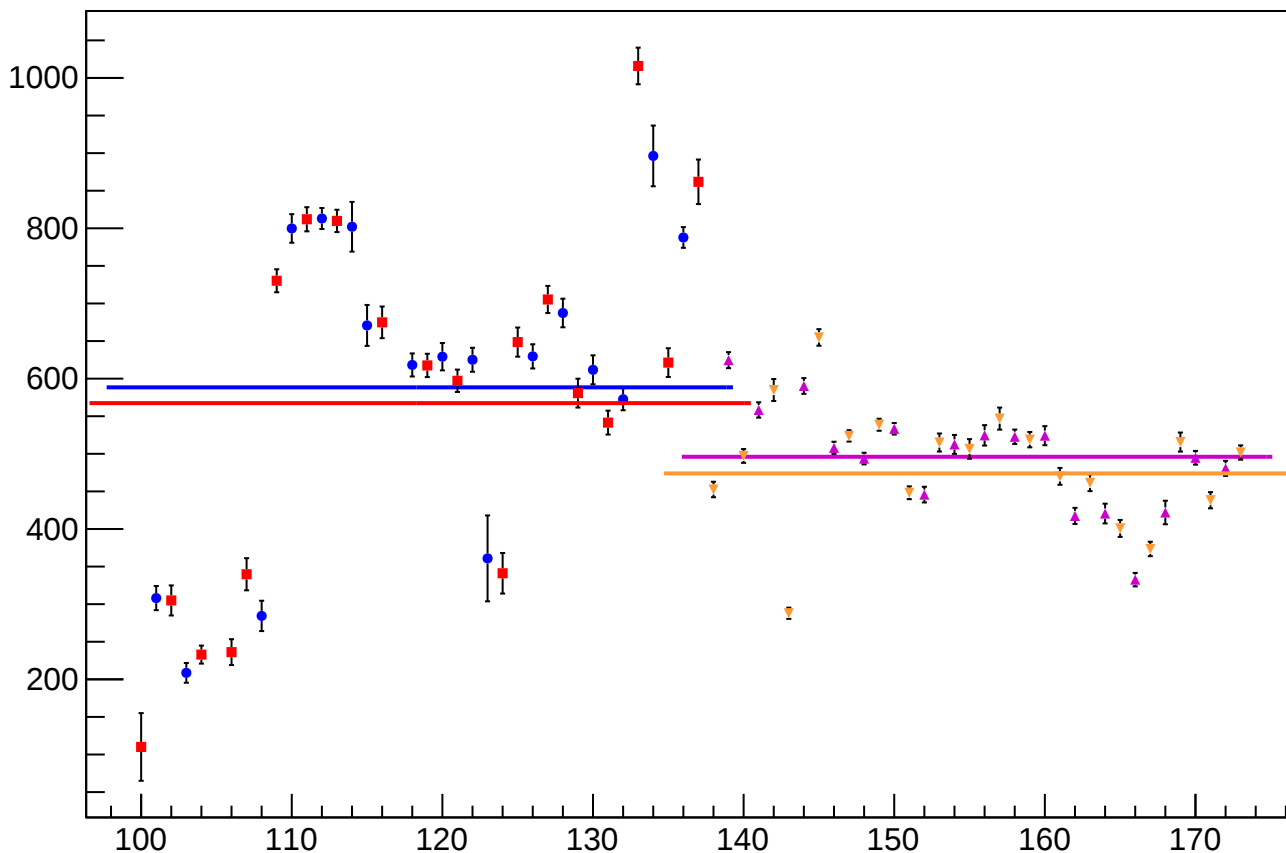
Right: -8.858 ± 1.617 χ^2/NDF : 690.5/35

In: 1.156 ± 1.389 χ^2/NDF : 608.4/33

Out: 3.650 ± 1.303 χ^2/NDF : 614.3/37

All: 2.482 ± 0.950 χ^2/NDF : 1224.5/71

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 588.421+/-4.320 χ^2/NDF : 2130.2/16

Left Out: 473.918+/-2.316 χ^2/NDF :1317.1/18

Right Out: 567.451+/-4.137 χ^2/NDF : 2784.8/18

Left In: 496.060+/-2.446 χ^2/NDF :775.2/16

Left: 484.387+/-1.682 χ^2/NDF : 2135.5/35

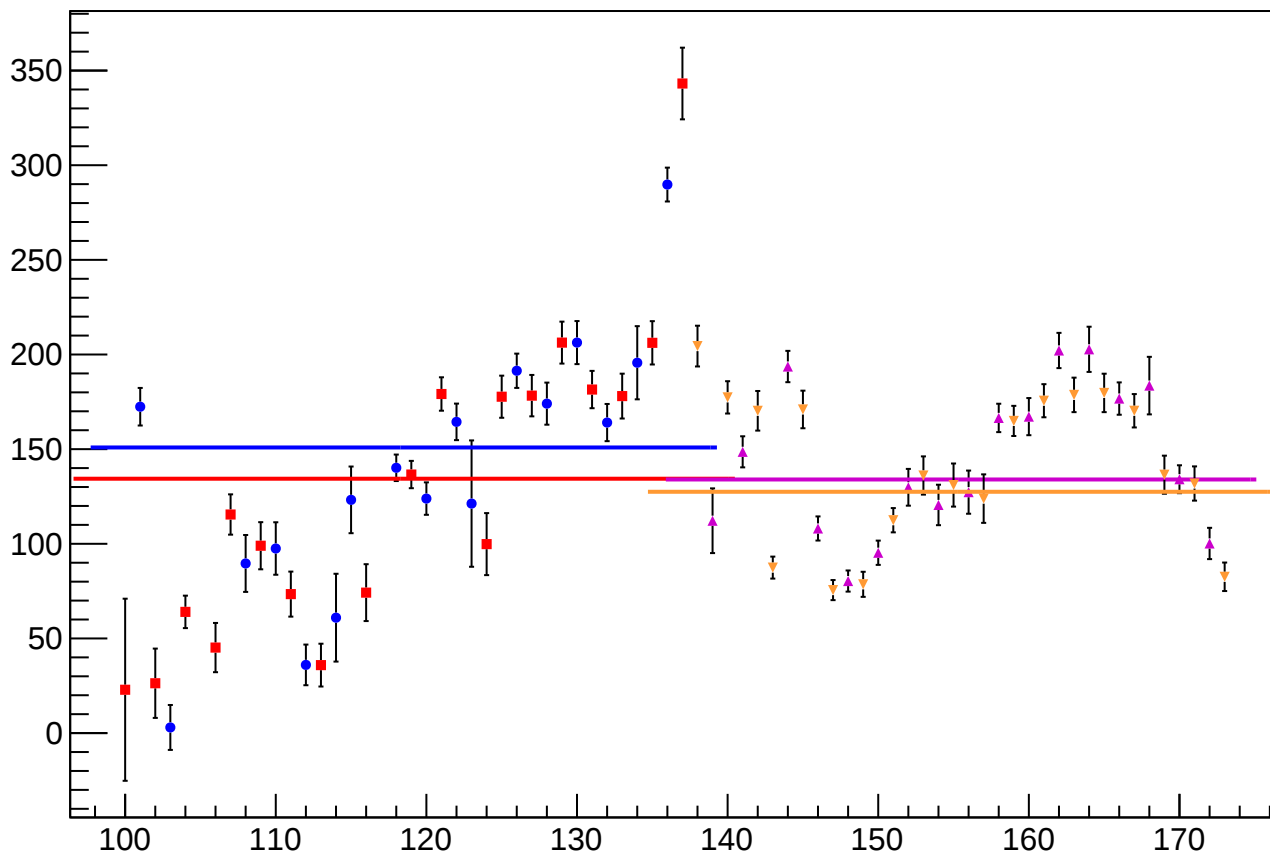
Right: 577.481+/-2.988 χ^2/NDF : 4927.3/35

In: 518.474+/-2.128 χ^2/NDF :3251.5/33

Out: 496.240+/-2.021 χ^2/NDF :4491.2/37

All: 506.782+/-1.466 χ^2/NDF : 7800.0/71

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 150.891 $\pm$ 2.674 χ^2 /NDF: 634.8/16

Left Out: 127.486 $\pm$ 1.887 χ^2 /NDF:496.0/18

Right Out: 134.381 $\pm$ 2.620 χ^2 /NDF: 584.9/18

Left In: 133.979 $\pm$ 2.047 χ^2 /NDF:373.6/16

Left: 130.470 $\pm$ 1.387 χ^2 /NDF: 875.0/35

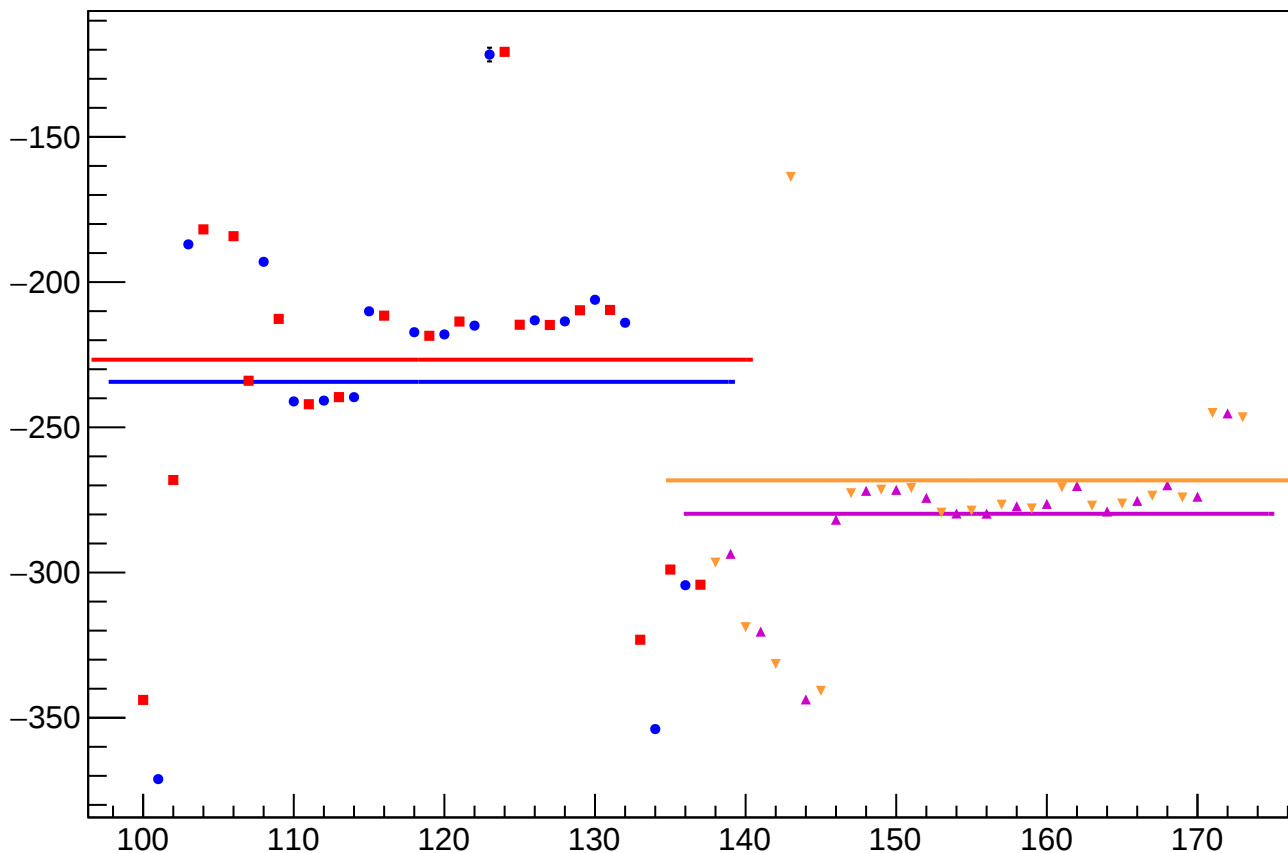
Right: 142.467 $\pm$ 1.871 χ^2 /NDF: 1239.2/35

In: 140.226 $\pm$ 1.625 χ^2 /NDF:1033.7/33

Out: 129.842 $\pm$ 1.531 χ^2 /NDF:1085.4/37

All: 134.726 $\pm$ 1.114 χ^2 /NDF: 2140.7/71

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.341+/-0.148 χ^2/NDF : 145165.1/16

Left Out: -268.264+/-0.092 χ^2/NDF :191882.2/18

Right Out: -226.716+/-0.141 χ^2/NDF : 99440.4/18

Left In: -279.771+/-0.097 χ^2/NDF :42554.4/16

Left: -273.722+/-0.067 χ^2/NDF : 241871.6/35

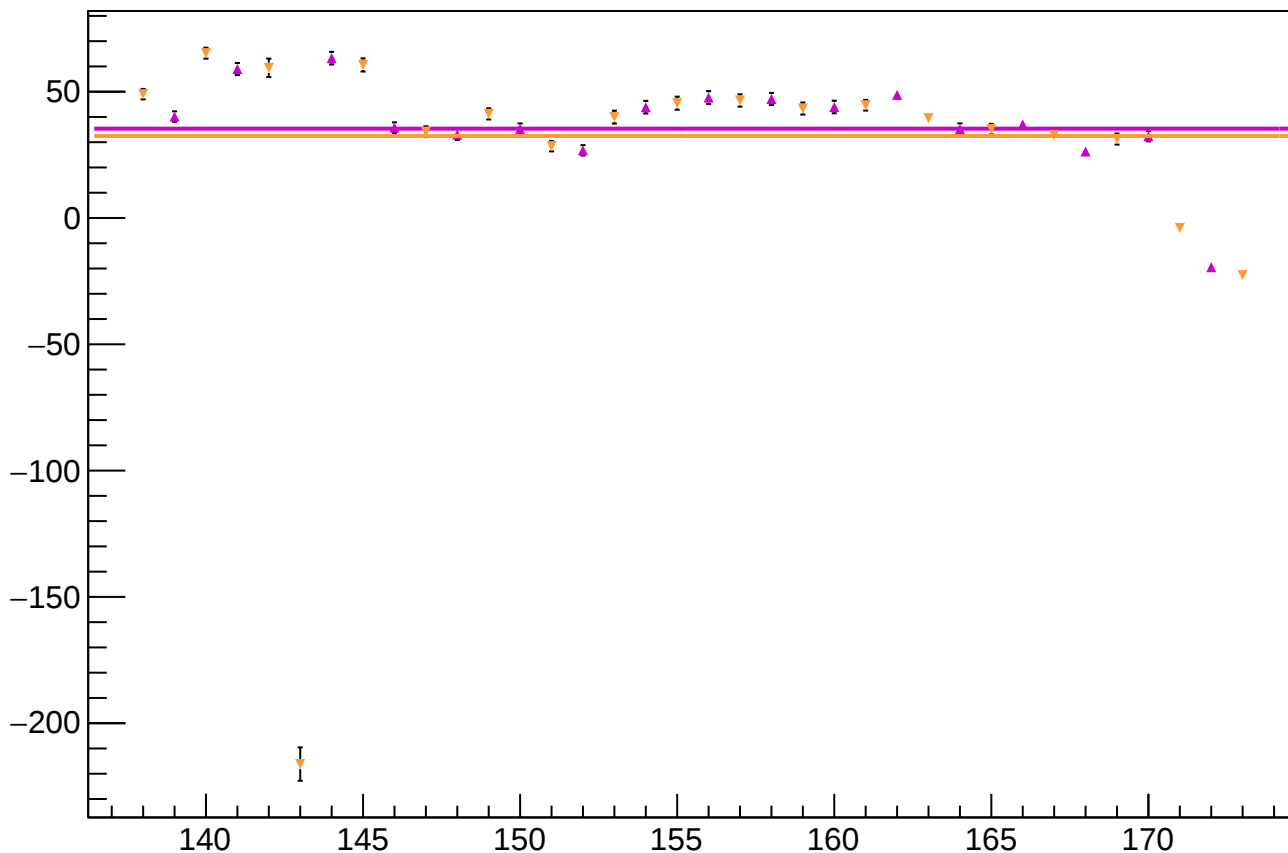
Right: -230.345+/-0.102 χ^2/NDF : 245990.9/35

In: -266.207+/-0.081 χ^2/NDF :253539.5/33

Out: -255.916+/-0.077 χ^2/NDF :352065.4/37

All: -260.802+/-0.056 χ^2/NDF : 614075.6/71

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: 32.481 $\pm$ 0.516 χ^2 /NDF:3206.5/18

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

Left In: 35.361 $\pm$ 0.522 χ^2 /NDF:1201.3/16

Left: 33.902 $\pm$ 0.367 χ^2 /NDF: 4423.2/35

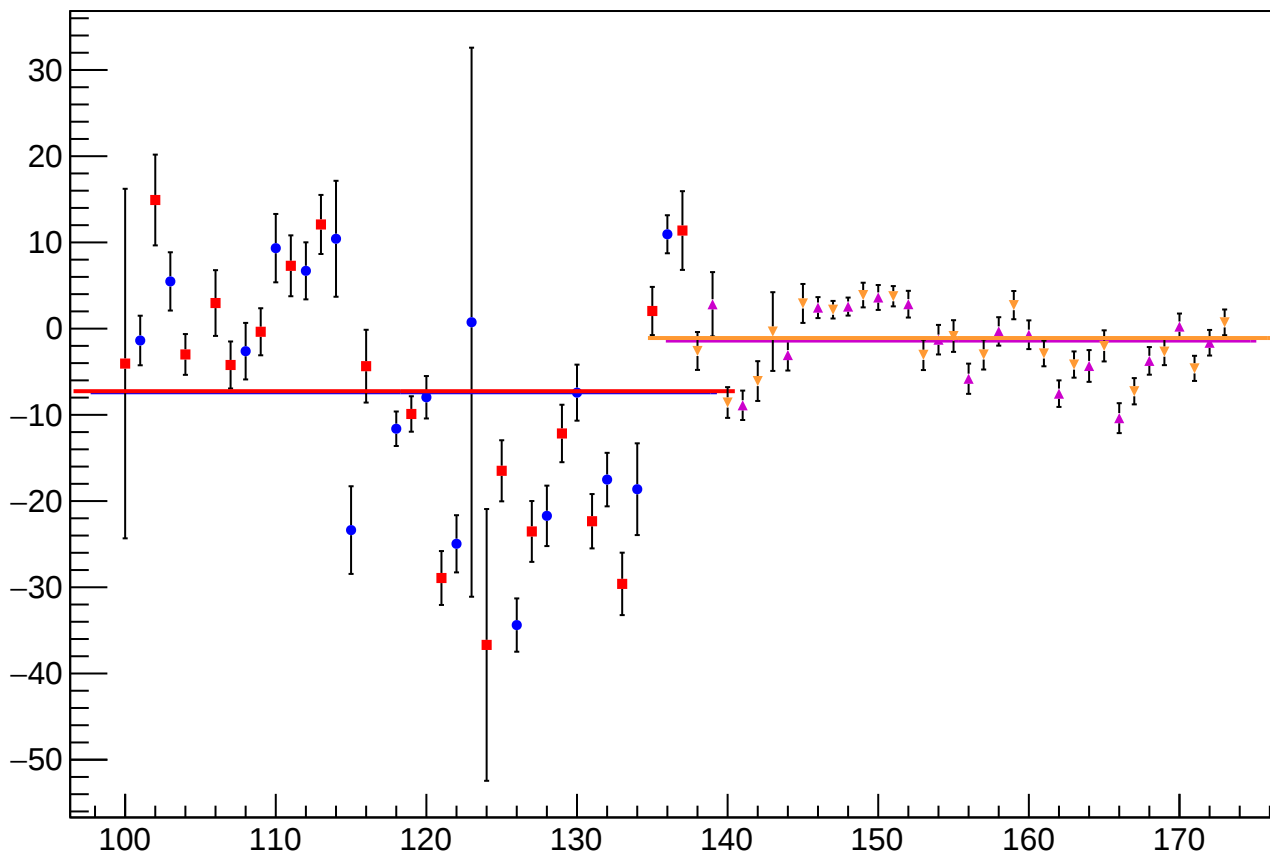
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 35.361 $\pm$ 0.522 χ^2 /NDF:1201.3/16

Out: 32.481 $\pm$ 0.516 χ^2 /NDF:3206.5/18

All: 33.902 $\pm$ 0.367 χ^2 /NDF: 4423.2/35

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.381 ± 0.779 χ^2/NDF : 283.6/16

Left Out: -1.090 ± 0.368 χ^2/NDF : 103.8/18

Right Out: -7.256 ± 0.762 χ^2/NDF : 257.3/18

Left In: -1.384 ± 0.380 χ^2/NDF : 120.7/16

Left: -1.232 ± 0.264 χ^2/NDF : 224.9/35

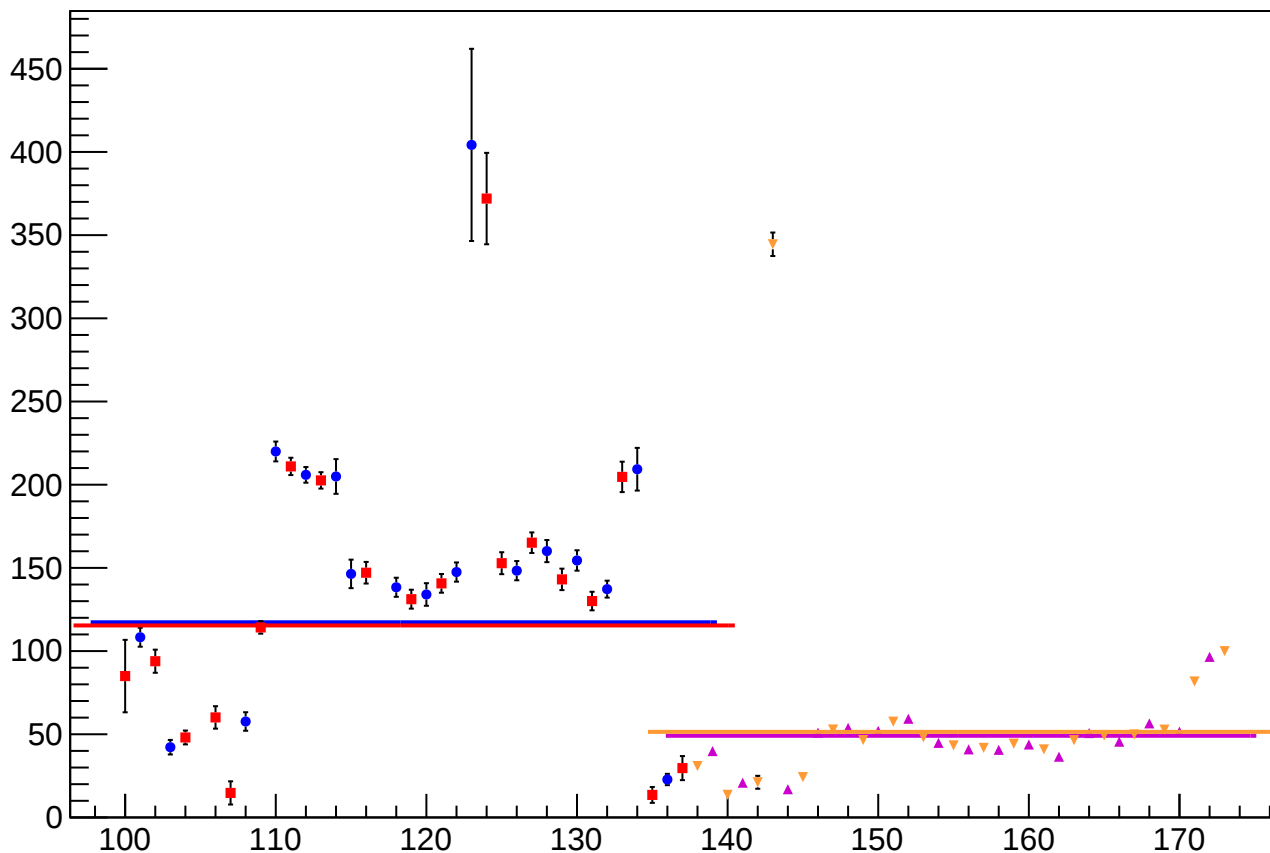
Right: -7.317 ± 0.545 χ^2/NDF : 540.9/35

In: -2.536 ± 0.341 χ^2/NDF : 452.3/33

Out: -2.255 ± 0.331 χ^2/NDF : 414.2/37

All: -2.391 ± 0.238 χ^2/NDF : 866.8/71

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.302 $\pm$ 1.409 χ^2 /NDF: 2161.3/16

Left Out: 51.452 $\pm$ 0.508 χ^2 /NDF:3157.3/18

Right Out: 115.405 $\pm$ 1.361 χ^2 /NDF: 2150.5/18

Left In: 49.089 $\pm$ 0.513 χ^2 /NDF:1001.5/16

Left: 50.280 $\pm$ 0.361 χ^2 /NDF: 4169.4/35

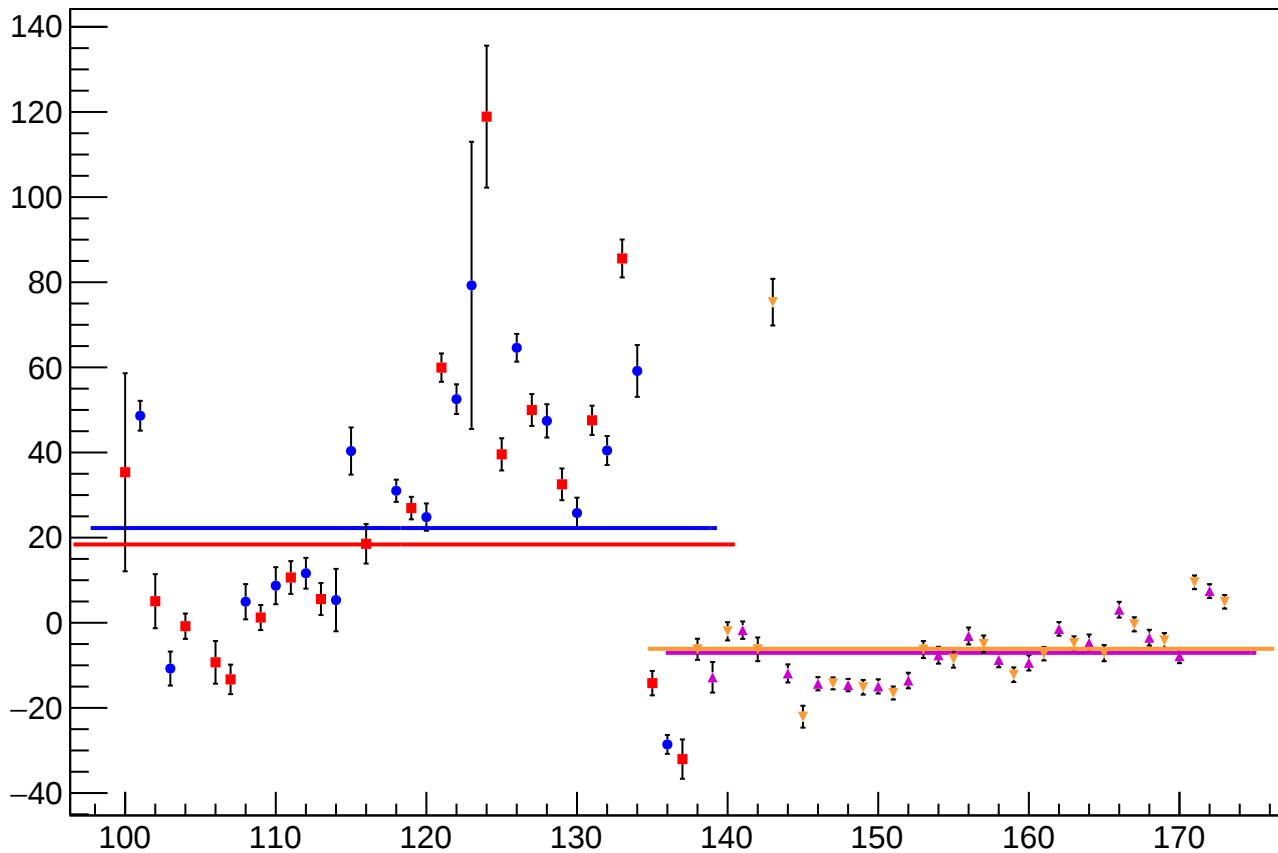
Right: 116.321 $\pm$ 0.979 χ^2 /NDF: 4312.7/35

In: 57.071 $\pm$ 0.482 χ^2 /NDF:5233.5/33

Out: 59.285 $\pm$ 0.476 χ^2 /NDF:7246.5/37

All: 58.191 $\pm$ 0.339 χ^2 /NDF: 12490.7/71

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.250+/-0.889 χ^2 /NDF: 1071.4/16

Left Out: -6.113+/-0.425 χ^2 /NDF:539.4/18

Right Out: 18.395+/-0.872 χ^2 /NDF: 1077.1/18

Left In: -7.069+/-0.439 χ^2 /NDF:231.0/16

Left: -6.575+/-0.305 χ^2 /NDF: 772.8/35

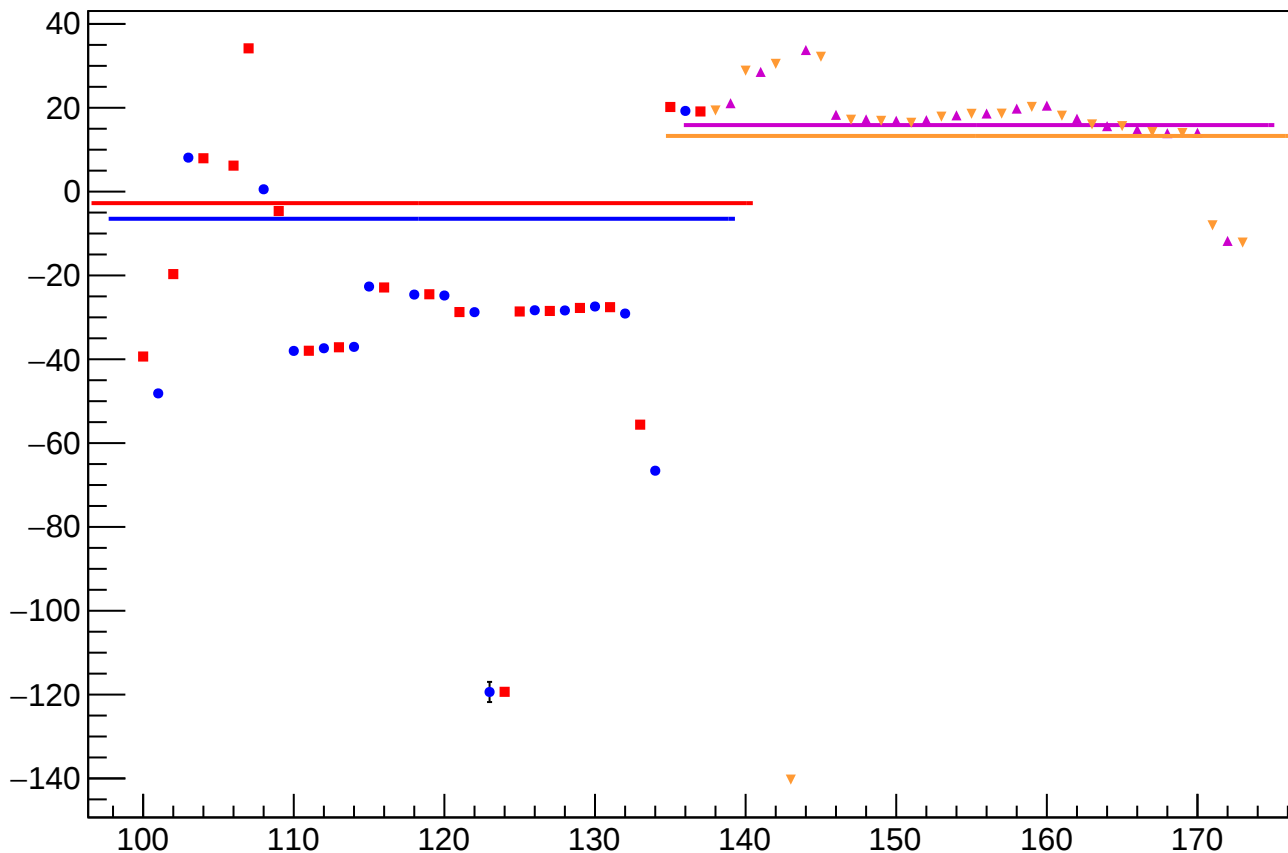
Right: 20.284+/-0.622 χ^2 /NDF: 2158.2/35

In: -1.326+/-0.394 χ^2 /NDF:2176.8/33

Out: -1.411+/-0.382 χ^2 /NDF:2255.1/37

All: -1.370+/-0.274 χ^2 /NDF: 4431.9/71

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.482 ± 0.046 χ^2/NDF : 265804.1/16

Left Out: 13.281 ± 0.020 χ^2/NDF : 617240.8/18

Right Out: -2.751 ± 0.046 χ^2/NDF : 266291.4/18

Left In: 15.871 ± 0.020 χ^2/NDF : 210044.8/16

Left: 14.559 ± 0.014 χ^2/NDF : 835838.5/35

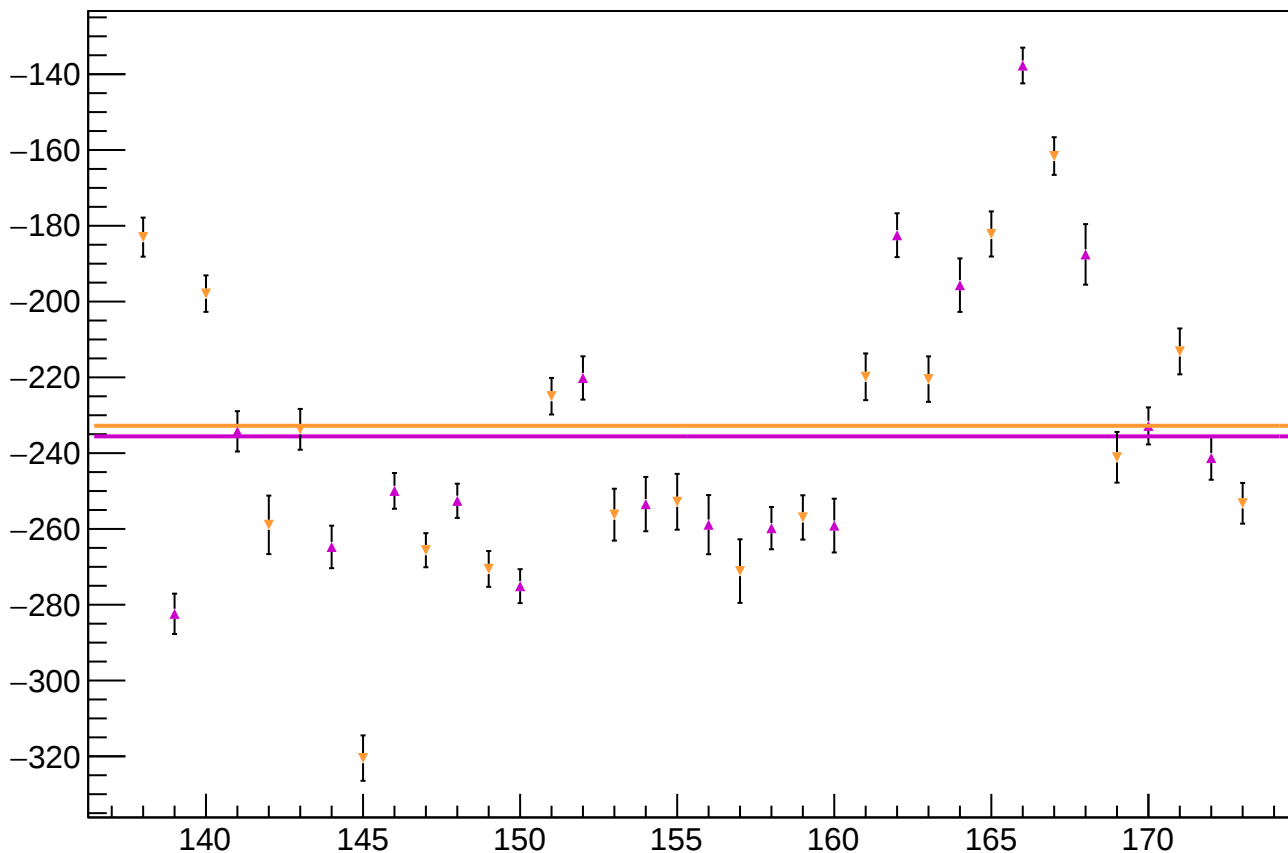
Right: -4.597 ± 0.032 χ^2/NDF : 535394.7/35

In: 12.359 ± 0.018 χ^2/NDF : 673483.1/33

Out: 10.774 ± 0.018 χ^2/NDF : 987457.0/37

All: 11.557 ± 0.013 χ^2/NDF : 1664741.1/71

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -232.774+/-1.305 χ^2/NDF :861.7/18

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

Left In: -235.572+/-1.352 χ^2/NDF :842.6/16

Left: -234.124+/-0.939 χ^2/NDF : 1706.5/35

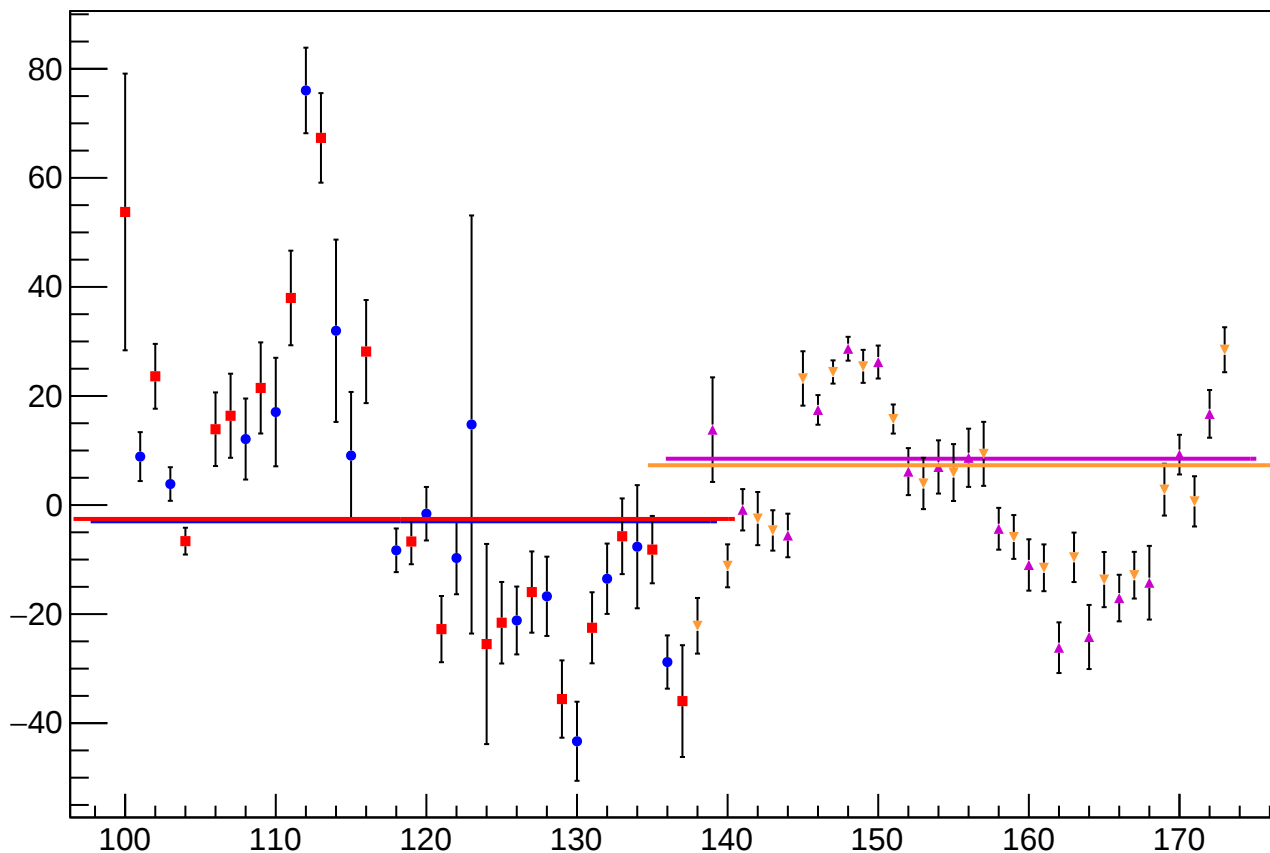
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -235.572+/-1.352 χ^2/NDF :842.6/16

Out: -232.774+/-1.305 χ^2/NDF :861.7/18

All: -234.124+/-0.939 χ^2/NDF : 1706.5/35

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.981 ± 1.450 χ^2/NDF : 203.9/16

Left Out: 7.298 ± 0.895 χ^2/NDF : 303.5/18

Right Out: -2.548 ± 1.399 χ^2/NDF : 218.1/18

Left In: 8.494 ± 0.945 χ^2/NDF : 315.1/16

Left: 7.864 ± 0.650 χ^2/NDF : 619.5/35

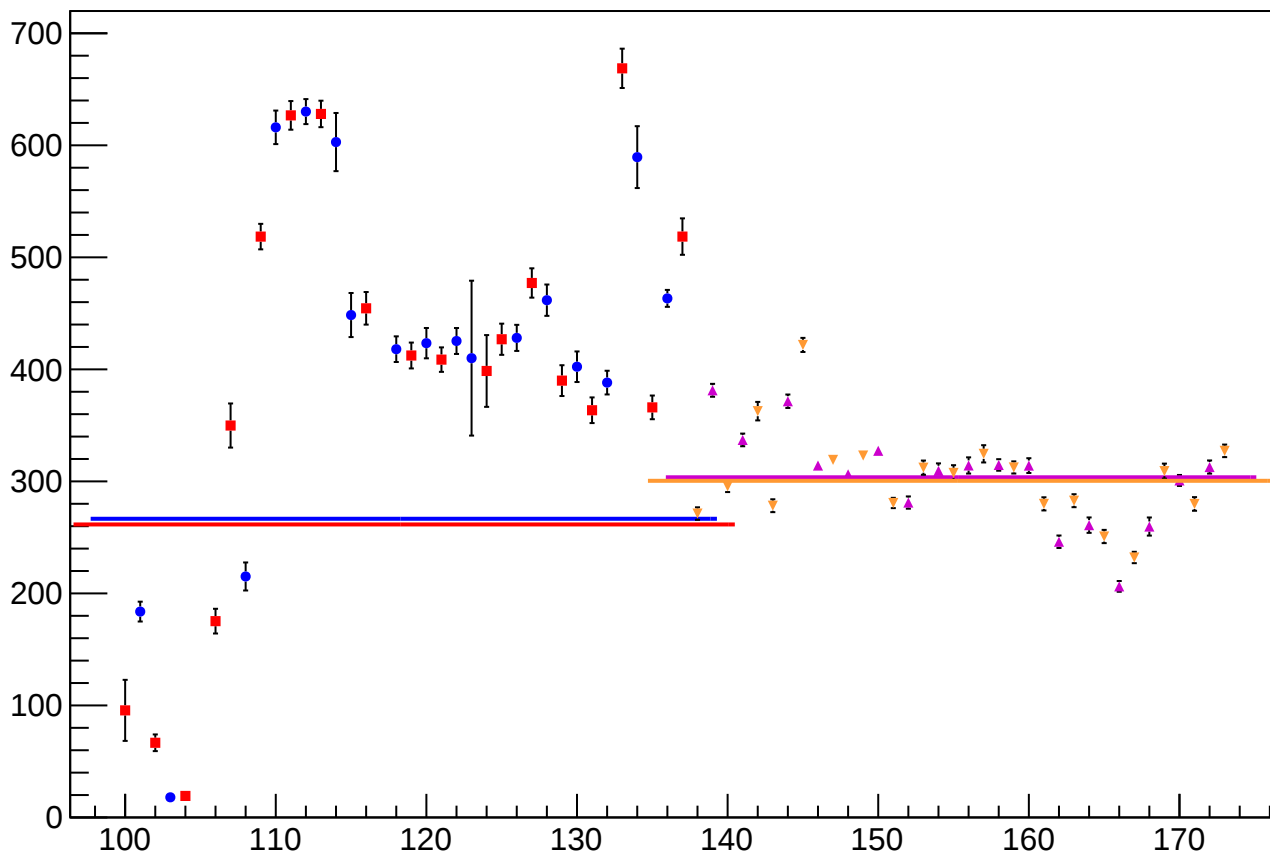
Right: -2.757 ± 1.007 χ^2/NDF : 422.1/35

In: 5.076 ± 0.792 χ^2/NDF : 563.0/33

Out: 4.436 ± 0.754 χ^2/NDF : 556.8/37

All: 4.741 ± 0.546 χ^2/NDF : 1120.1/71

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 266.624 $\pm$ 2.477 χ^2 /NDF: 7662.7/16

Left Out: 300.514 $\pm$ 1.291 χ^2 /NDF:864.6/18

Right Out: 261.551 $\pm$ 2.458 χ^2 /NDF: 8208.2/18

Left In: 303.657 $\pm$ 1.325 χ^2 /NDF:998.0/16

Left: 302.045 $\pm$ 0.925 χ^2 /NDF: 1865.5/35

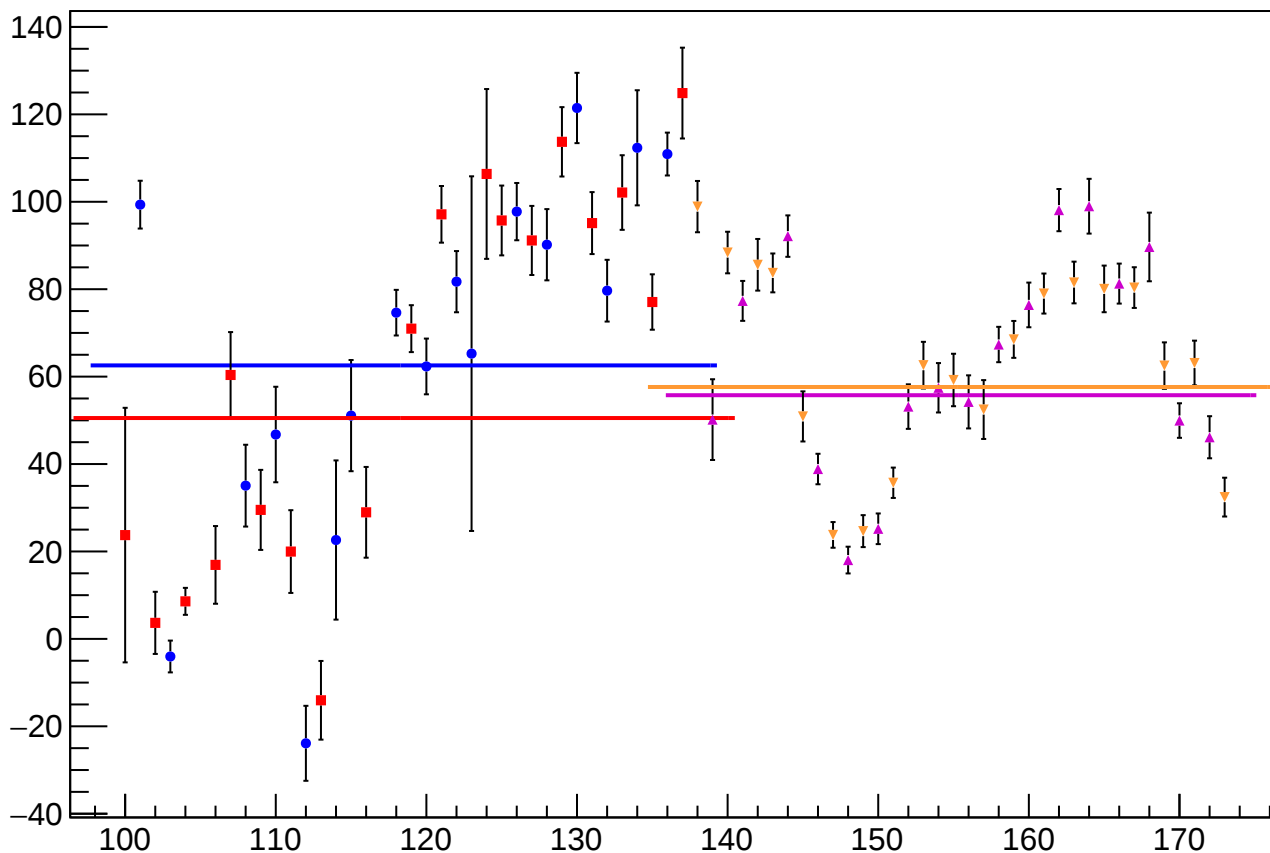
Right: 264.068 $\pm$ 1.745 χ^2 /NDF: 15873.0/35

In: 295.420 $\pm$ 1.168 χ^2 /NDF:8834.5/33

Out: 292.084 $\pm$ 1.143 χ^2 /NDF:9269.7/37

All: 293.716 $\pm$ 0.817 χ^2 /NDF: 18108.3/71

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.566+/-1.678 χ^2/NDF : 722.4/16

Left Out: 57.627+/-1.057 χ^2/NDF : 534.2/18

Right Out: 50.526+/-1.643 χ^2/NDF : 657.0/18

Left In: 55.748+/-1.111 χ^2/NDF : 538.4/16

Left: 56.734+/-0.766 χ^2/NDF : 1074.1/35

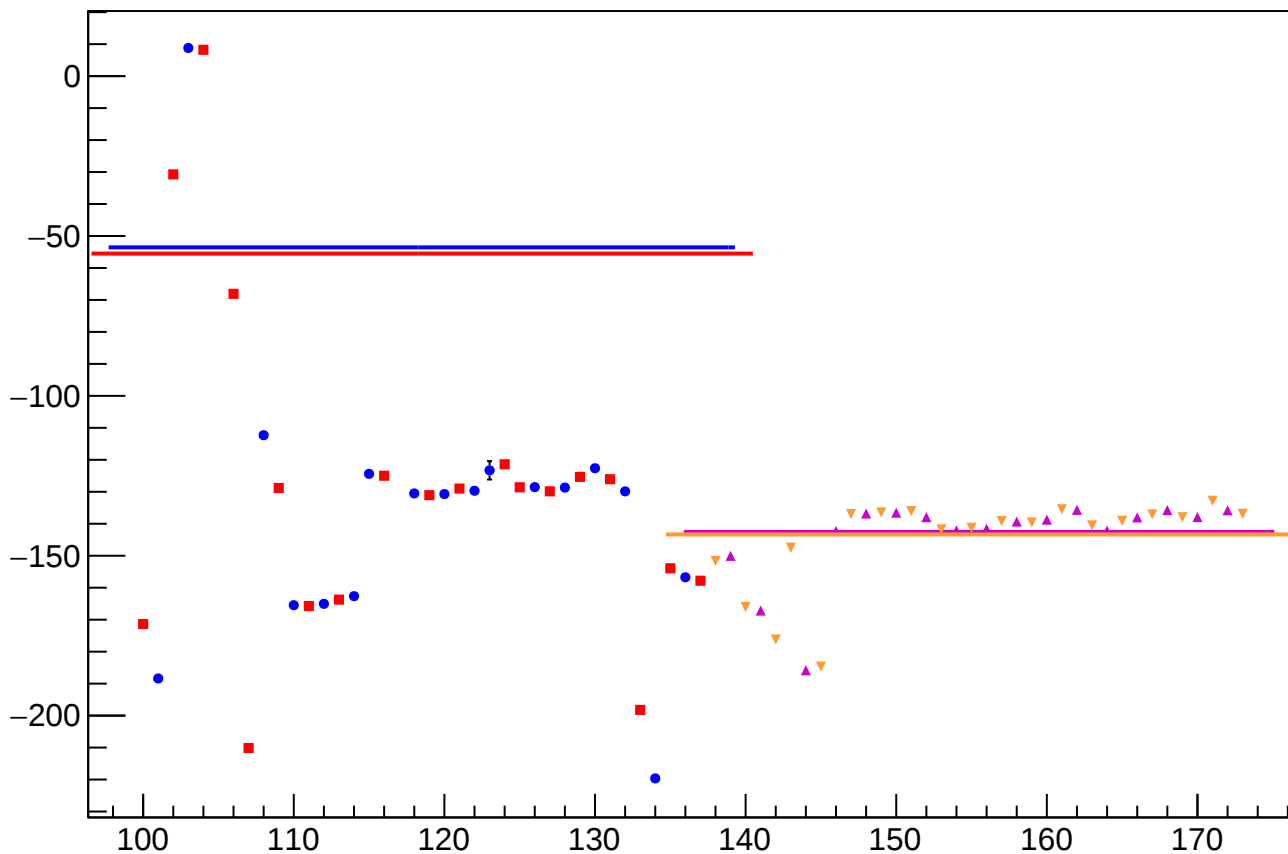
Right: 56.420+/-1.174 χ^2/NDF : 1405.7/35

In: 57.825+/-0.926 χ^2/NDF : 1272.3/33

Out: 55.549+/-0.889 χ^2/NDF : 1204.4/37

All: 56.640+/-0.641 χ^2/NDF : 2479.8/71

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.567 $\pm$ 0.070 χ^2 /NDF: 1230233.3/16

Left Out: -143.341 $\pm$ 0.051 χ^2 /NDF: 60371.6/18

Right Out: -55.502 $\pm$ 0.072 χ^2 /NDF: 969632.0/18

Left In: -142.552 $\pm$ 0.052 χ^2 /NDF: 46831.2/16

Left: -142.956 $\pm$ 0.037 χ^2 /NDF: 107319.1/35

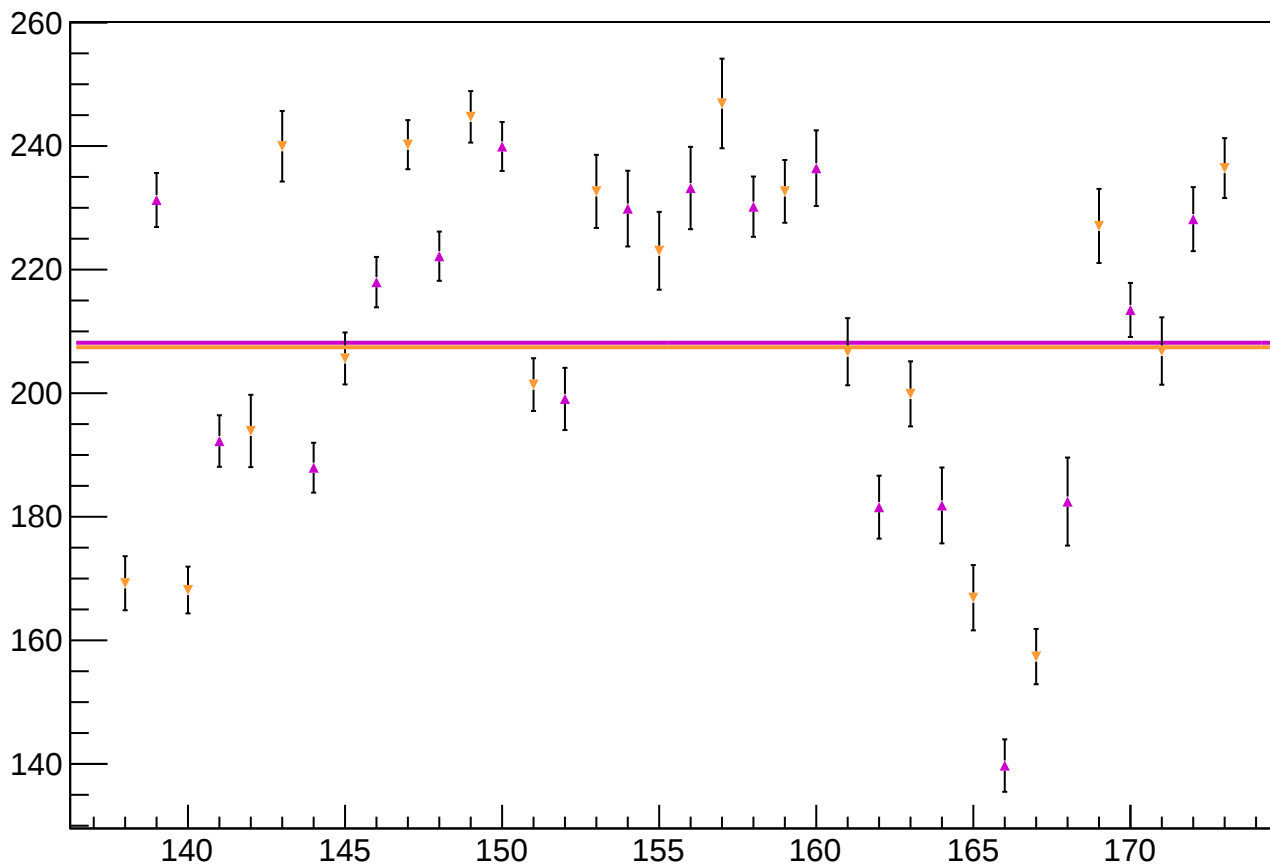
Right: -54.512 $\pm$ 0.050 χ^2 /NDF: 2200235.7/35

In: -110.793 $\pm$ 0.042 χ^2 /NDF: 2308208.5/33

Out: -113.823 $\pm$ 0.042 χ^2 /NDF: 2020773.0/37

All: -112.318 $\pm$ 0.030 χ^2 /NDF: 4331604.8/71

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: 207.432+/-1.128 χ^2/NDF :683.2/18

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

Left In: 208.166+/-1.158 χ^2/NDF :556.9/16

Left: 207.789+/-0.808 χ^2/NDF : 1240.3/35

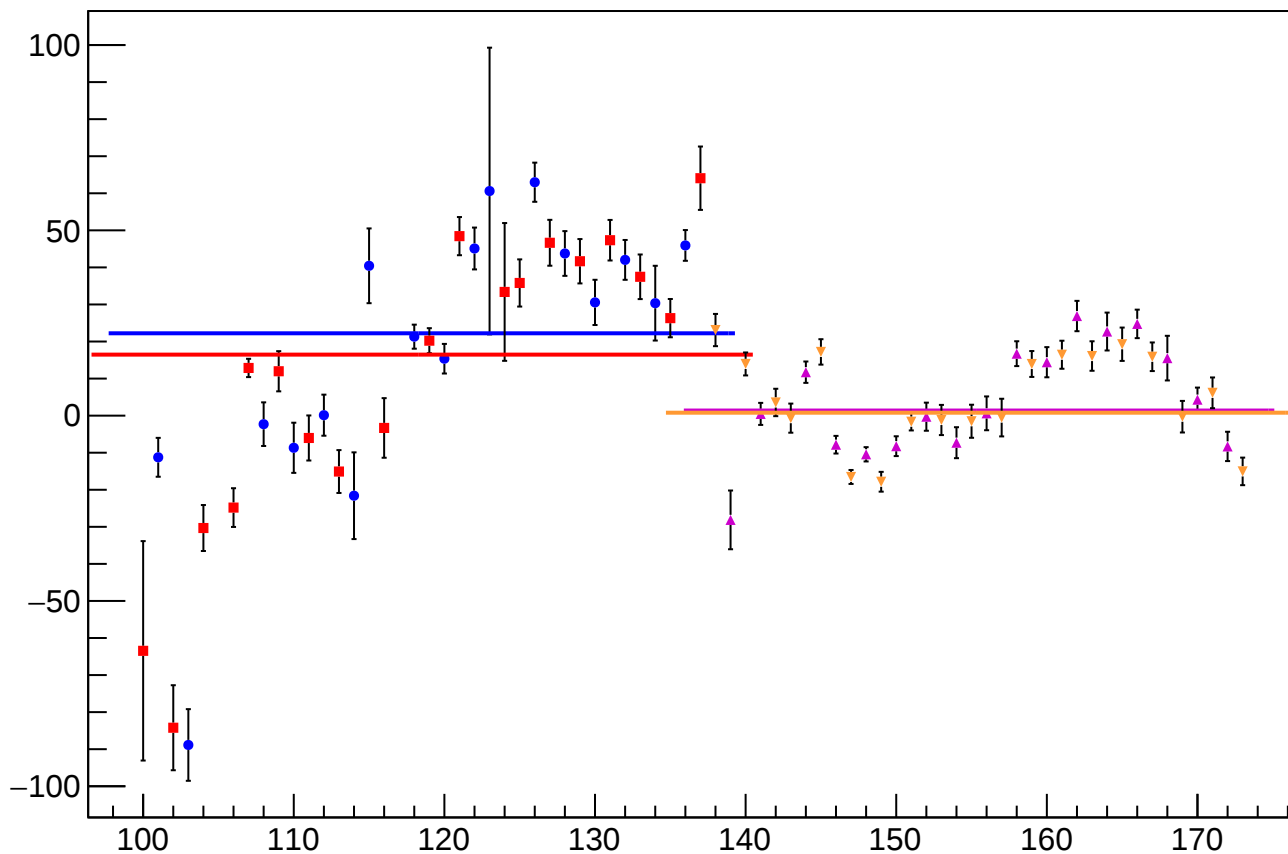
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 208.166+/-1.158 χ^2/NDF :556.9/16

Out: 207.432+/-1.128 χ^2/NDF :683.2/18

All: 207.789+/-0.808 χ^2/NDF : 1240.3/35

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.221 ± 1.374 χ^2/NDF : 385.6/16

Left Out: 0.794 ± 0.779 χ^2/NDF : 301.0/18

Right Out: 16.466 ± 1.230 χ^2/NDF : 425.9/18

Left In: 1.379 ± 0.814 χ^2/NDF : 233.5/16

Left: 1.074 ± 0.563 χ^2/NDF : 534.7/35

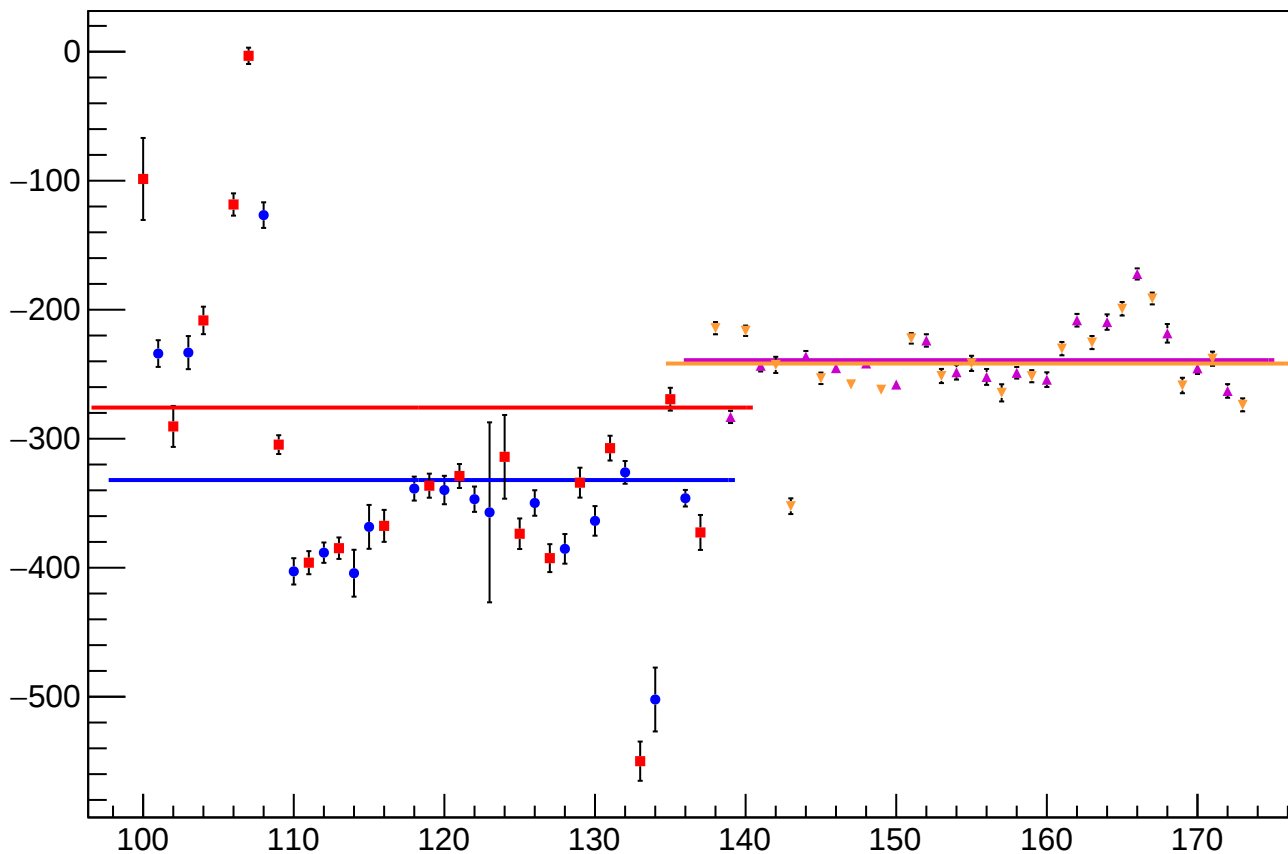
Right: 19.025 ± 0.916 χ^2/NDF : 821.2/35

In: 6.792 ± 0.700 χ^2/NDF : 789.5/33

Out: 5.282 ± 0.658 χ^2/NDF : 842.8/37

All: 5.990 ± 0.479 χ^2/NDF : 1634.7/71

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -332.037 ± 2.562 $\chi^2/\text{NDF}: 784.9/16$

Left Out: -241.722 ± 1.120 $\chi^2/\text{NDF}: 747.4/18$

Right Out: -275.853 ± 2.324 $\chi^2/\text{NDF}: 3362.8/18$

Left In: -239.112 ± 1.140 $\chi^2/\text{NDF}: 479.7/16$

Left: -240.440 ± 0.799 $\chi^2/\text{NDF}: 1229.8/35$

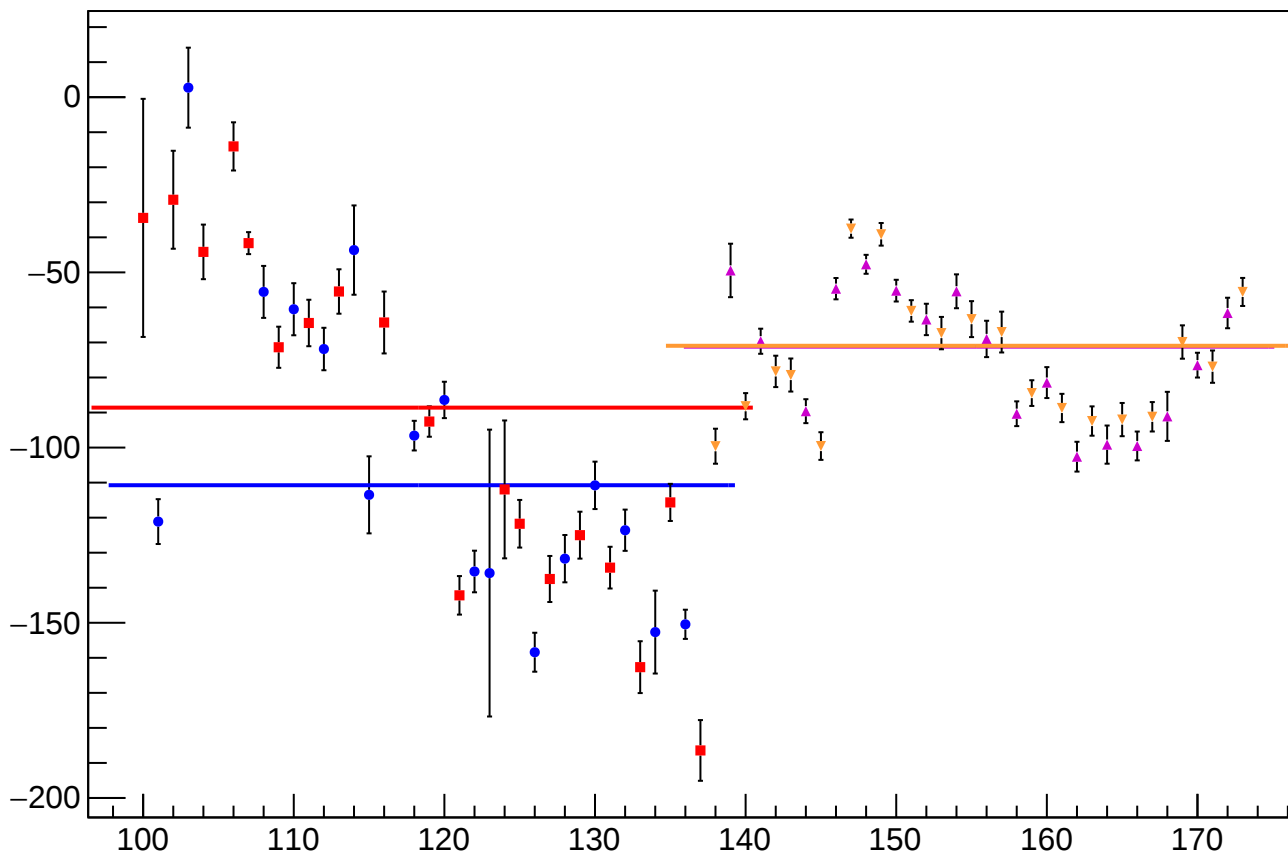
Right: -301.220 ± 1.721 $\chi^2/\text{NDF}: 4411.6/35$

In: -254.464 ± 1.041 $\chi^2/\text{NDF}: 2362.9/33$

Out: -248.150 ± 1.009 $\chi^2/\text{NDF}: 4285.3/37$

All: -251.207 ± 0.725 $\chi^2/\text{NDF}: 6667.1/71$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -110.745 ± 1.578 χ^2/NDF : 513.4/16

Left Out: -70.949 ± 0.919 χ^2/NDF : 507.8/18

Right Out: -88.600 ± 1.435 χ^2/NDF : 969.7/18

Left In: -71.196 ± 0.957 χ^2/NDF : 361.3/16

Left: -71.067 ± 0.663 χ^2/NDF : 869.2/35

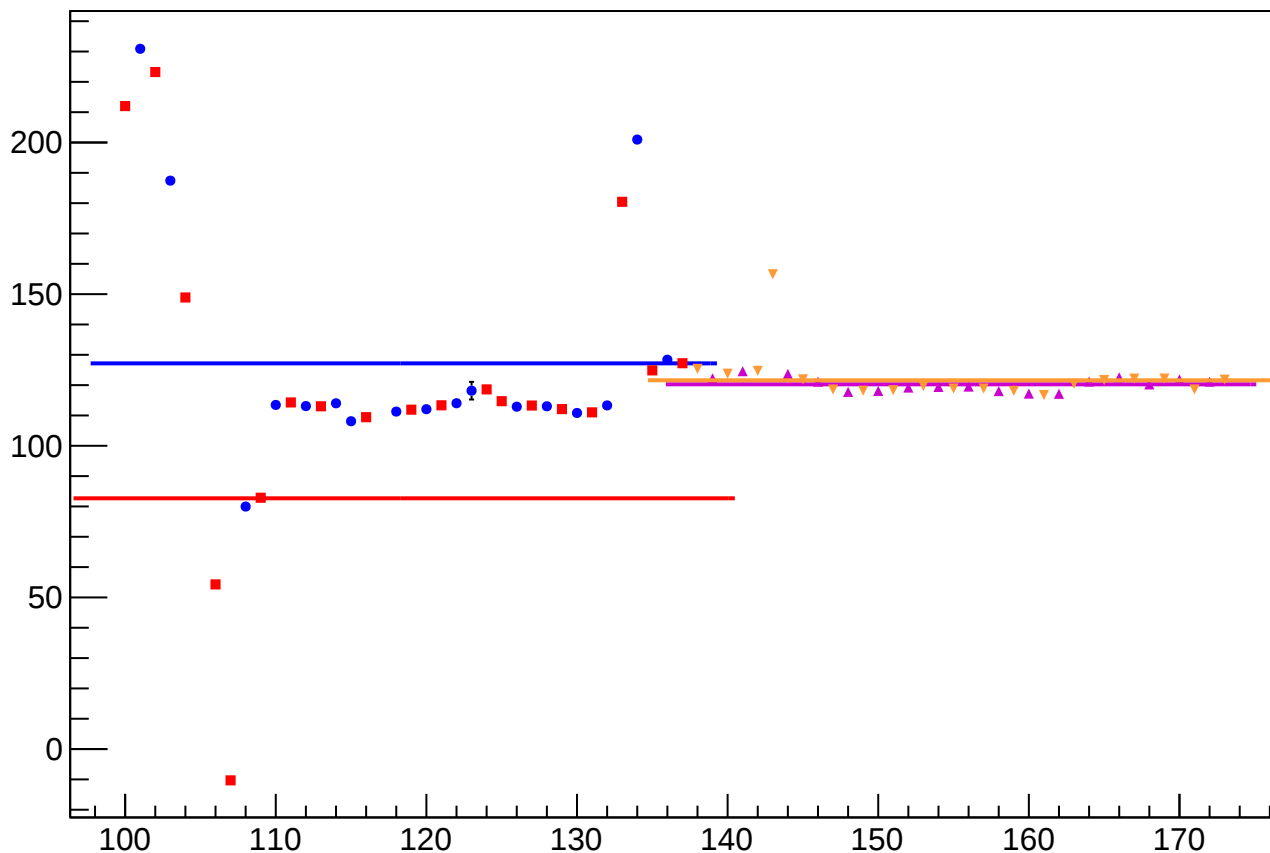
Right: -98.623 ± 1.061 χ^2/NDF : 1591.0/35

In: -81.831 ± 0.818 χ^2/NDF : 1334.2/33

Out: -76.088 ± 0.774 χ^2/NDF : 1584.9/37

All: -78.801 ± 0.562 χ^2/NDF : 2945.1/71

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.179 $\pm$ 0.089 χ^2 /NDF: 188050.9/16

Left Out: 121.600 $\pm$ 0.044 χ^2 /NDF: 23935.5/18

Right Out: 82.684 $\pm$ 0.075 χ^2 /NDF: 765716.0/18

Left In: 120.268 $\pm$ 0.045 χ^2 /NDF: 2528.7/16

Left: 120.945 $\pm$ 0.032 χ^2 /NDF: 26907.6/35

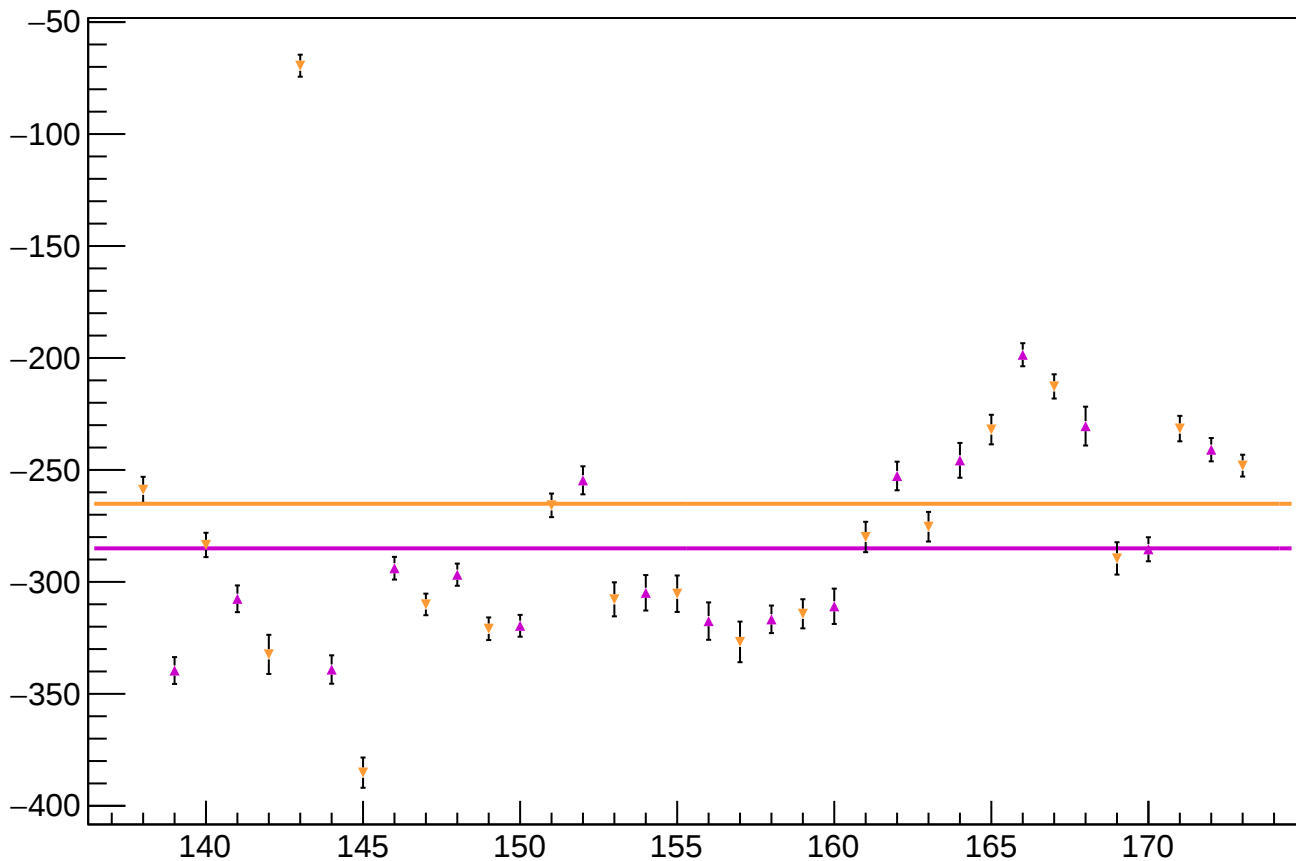
Right: 101.242 $\pm$ 0.057 χ^2 /NDF: 1099401.9/35

In: 121.679 $\pm$ 0.040 χ^2 /NDF: 195376.6/33

Out: 111.573 $\pm$ 0.038 χ^2 /NDF: 987927.1/37

All: 116.369 $\pm$ 0.028 χ^2 /NDF: 1216478.7/71

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: -265.107 ± 1.387 χ^2/NDF : 2518.9/18

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

Left In: -285.022 ± 1.467 χ^2/NDF : 755.1/16

Left: -274.503 ± 1.008 χ^2/NDF : 3371.3/35

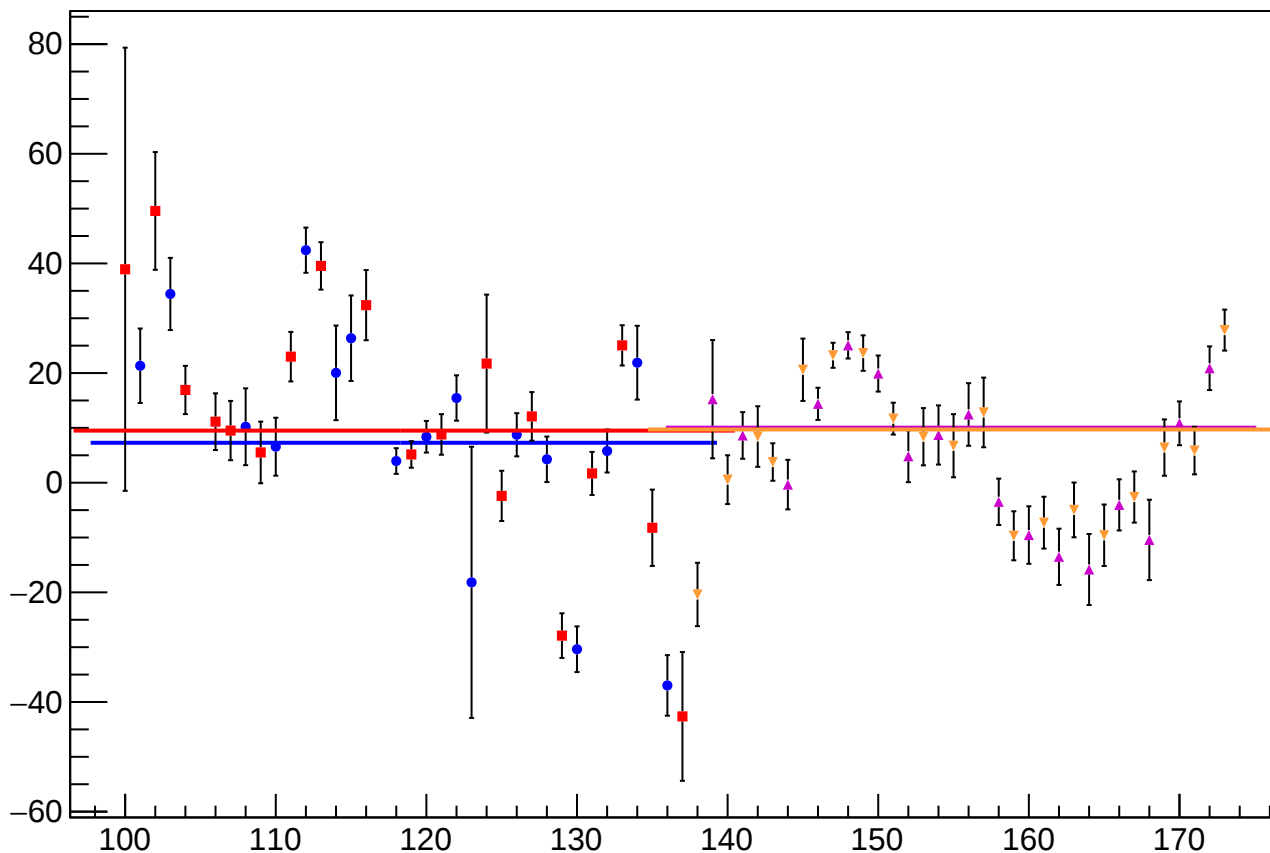
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -285.022 ± 1.467 χ^2/NDF : 755.1/16

Out: -265.107 ± 1.387 χ^2/NDF : 2518.9/18

All: -274.503 ± 1.008 χ^2/NDF : 3371.3/35

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.284 ± 1.084 χ^2/NDF : 261.0/16

Left Out: 9.704 ± 0.953 χ^2/NDF : 176.7/18

Right Out: 9.505 ± 1.074 χ^2/NDF : 231.5/18

Left In: 10.037 ± 1.026 χ^2/NDF : 143.0/16

Left: 9.858 ± 0.698 χ^2/NDF : 319.8/35

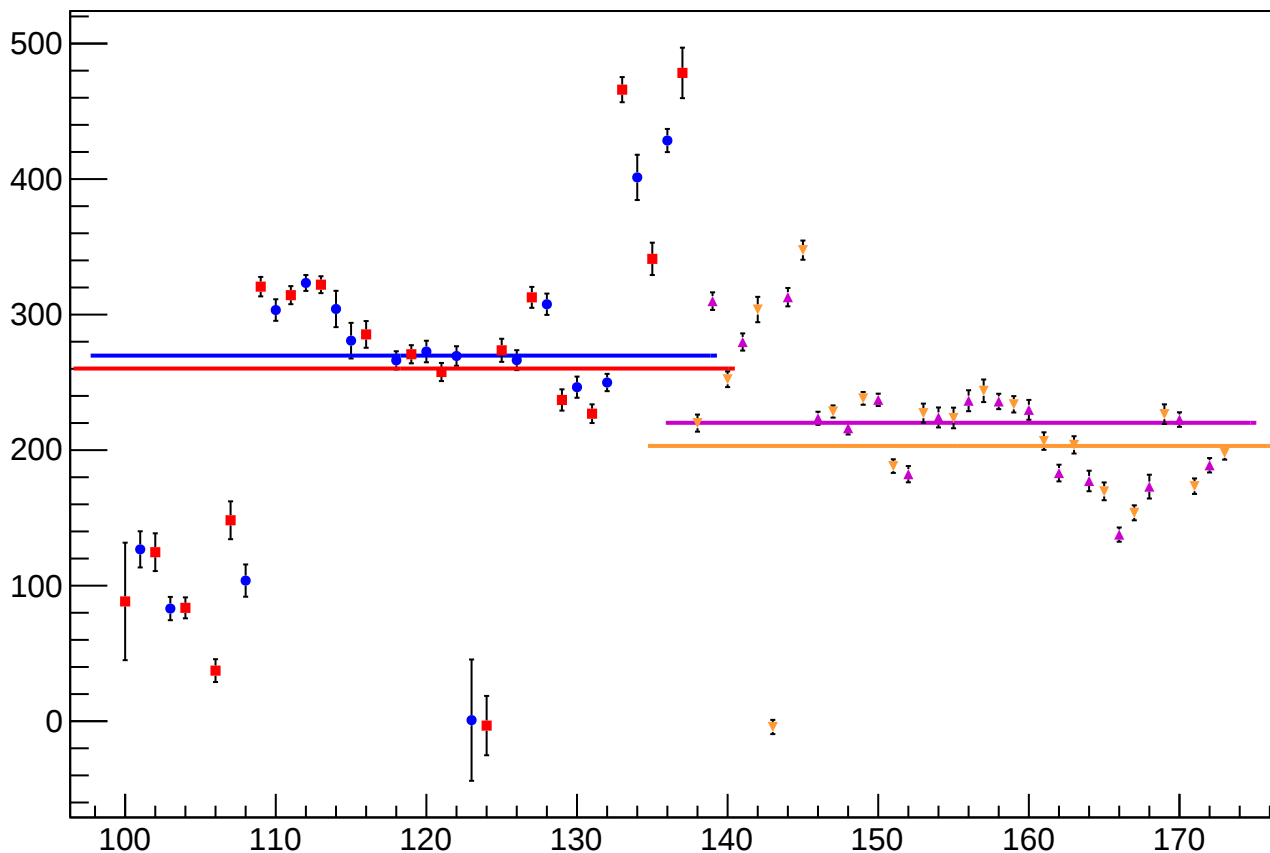
Right: 8.404 ± 0.763 χ^2/NDF : 494.7/35

In: 8.735 ± 0.745 χ^2/NDF : 407.5/33

Out: 9.616 ± 0.713 χ^2/NDF : 408.2/37

All: 9.195 ± 0.515 χ^2/NDF : 816.4/71

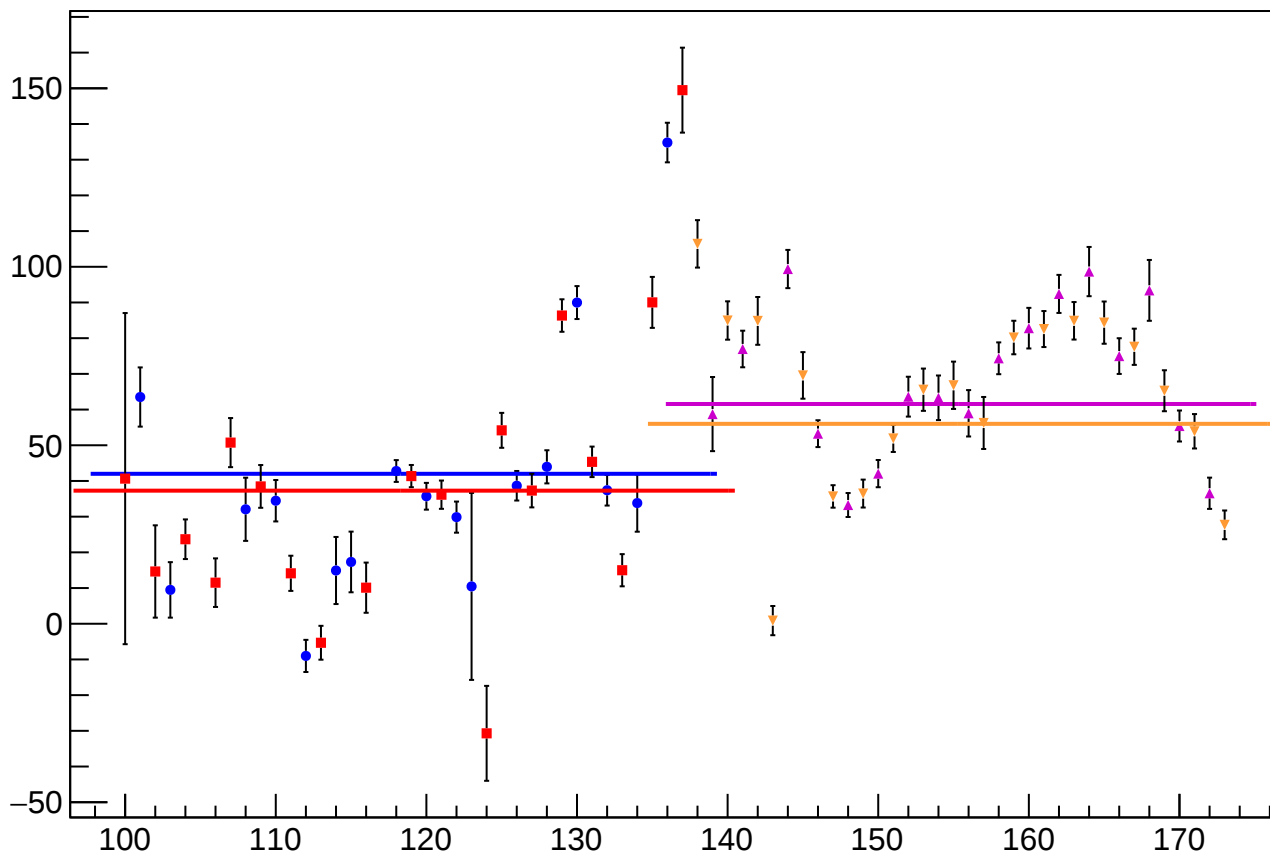
reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.748 $\pm$ 2.071 χ^2 /NDF: 1374.1/16
 Left Out: 203.086 $\pm$ 1.376 χ^2 /NDF:2476.9/18
 Right Out: 260.206 $\pm$ 1.978 χ^2 /NDF: 2541.6/18
 Left In: 220.161 $\pm$ 1.439 χ^2 /NDF:914.2/16

Left: 211.240 $\pm$ 0.994 χ^2 /NDF: 3464.6/35
 Right: 264.757 $\pm$ 1.430 χ^2 /NDF: 3926.7/35
 In: 236.301 $\pm$ 1.182 χ^2 /NDF:2674.8/33
 Out: 221.708 $\pm$ 1.129 χ^2 /NDF:5580.6/37
 All: 228.674 $\pm$ 0.816 χ^2 /NDF: 8335.1/71

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006 ± 1.255 $\chi^2/\text{NDF}: 575.6/16$

Left Out: 56.002 ± 1.123 $\chi^2/\text{NDF}: 542.0/18$

Right Out: 37.284 ± 1.237 $\chi^2/\text{NDF}: 472.6/18$

Left In: 61.562 ± 1.206 $\chi^2/\text{NDF}: 301.7/16$

Left: 58.586 ± 0.822 $\chi^2/\text{NDF}: 855.1/35$

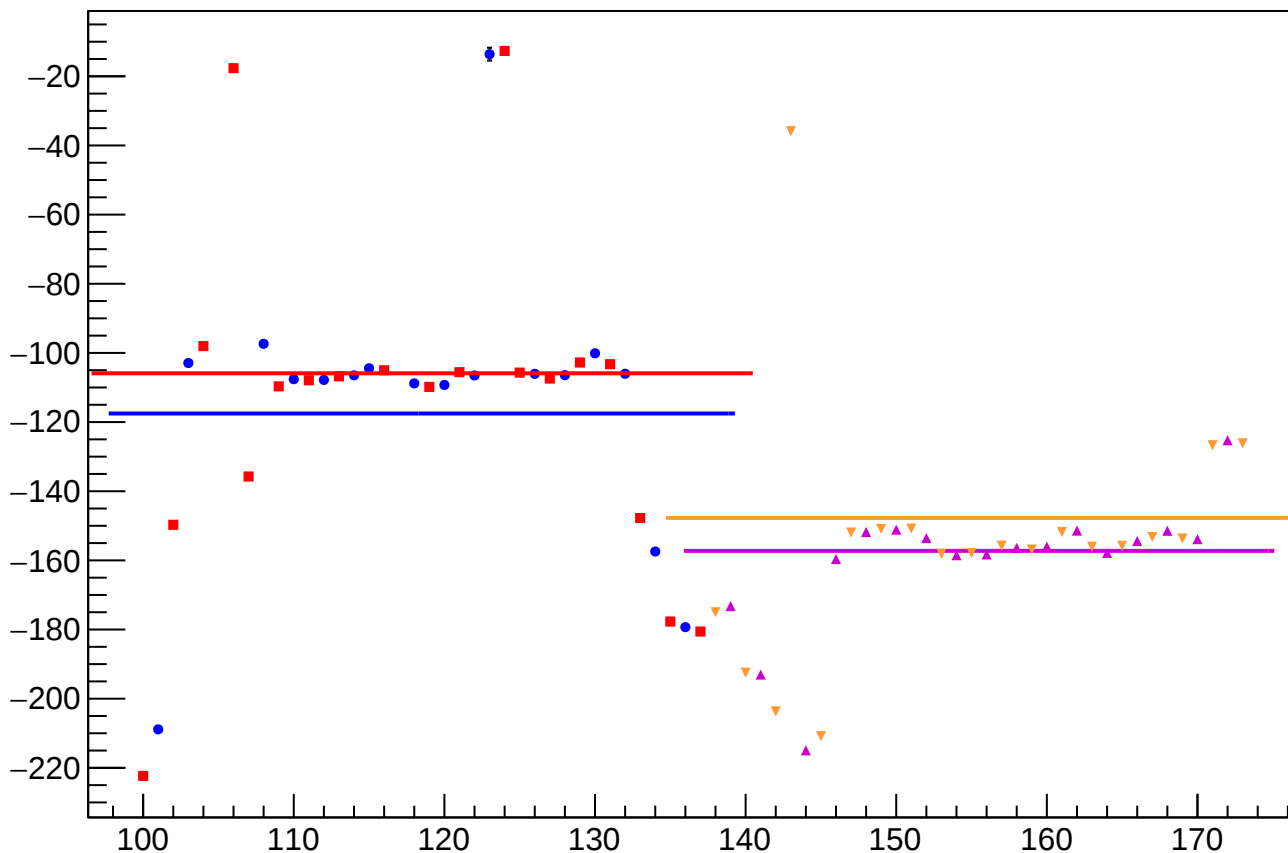
Right: 39.611 ± 0.881 $\chi^2/\text{NDF}: 1055.4/35$

In: 52.180 ± 0.870 $\chi^2/\text{NDF}: 1003.5/33$

Out: 47.543 ± 0.832 $\chi^2/\text{NDF}: 1140.1/37$

All: 49.758 ± 0.601 $\chi^2/\text{NDF}: 2158.4/71$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.516+/-0.078 χ^2/NDF : 142016.6/16

Left Out: -147.711+/-0.054 χ^2/NDF : 433170.3/18

Right Out: -105.892+/-0.073 χ^2/NDF : 324304.4/18

Left In: -157.246+/-0.057 χ^2/NDF : 93991.8/16

Left: -152.269+/-0.039 χ^2/NDF : 541903.0/35

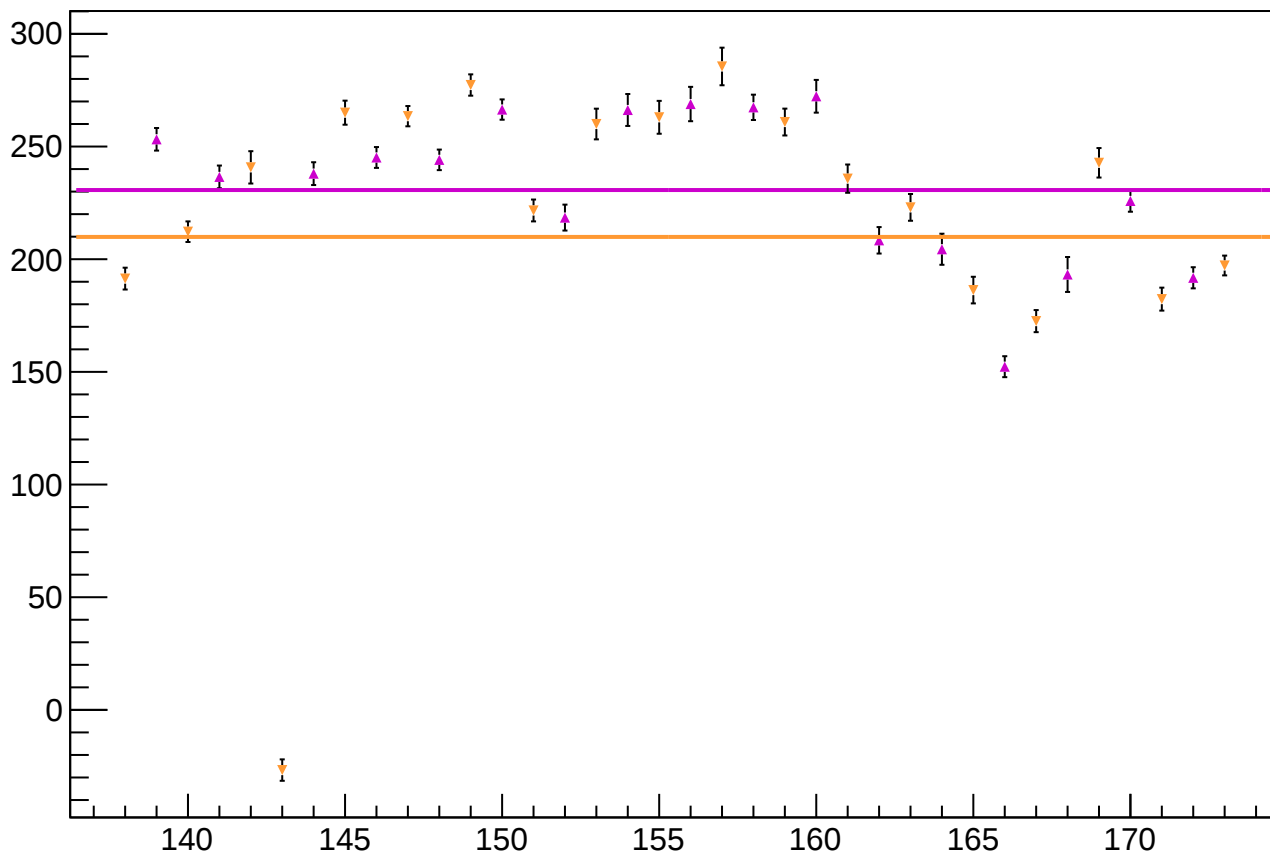
Right: -111.303+/-0.053 χ^2/NDF : 478188.8/35

In: -143.498+/-0.046 χ^2/NDF : 405667.1/33

Out: -132.762+/-0.044 χ^2/NDF : 969490.2/37

All: -137.846+/-0.032 χ^2/NDF : 1403973.3/71

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 209.889 $\pm$ 1.244 χ^2/NDF :3388.7/18

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

Left In: 230.697 $\pm$ 1.310 χ^2/NDF :641.6/16

Left: 219.750 $\pm$ 0.902 χ^2/NDF : 4162.9/35

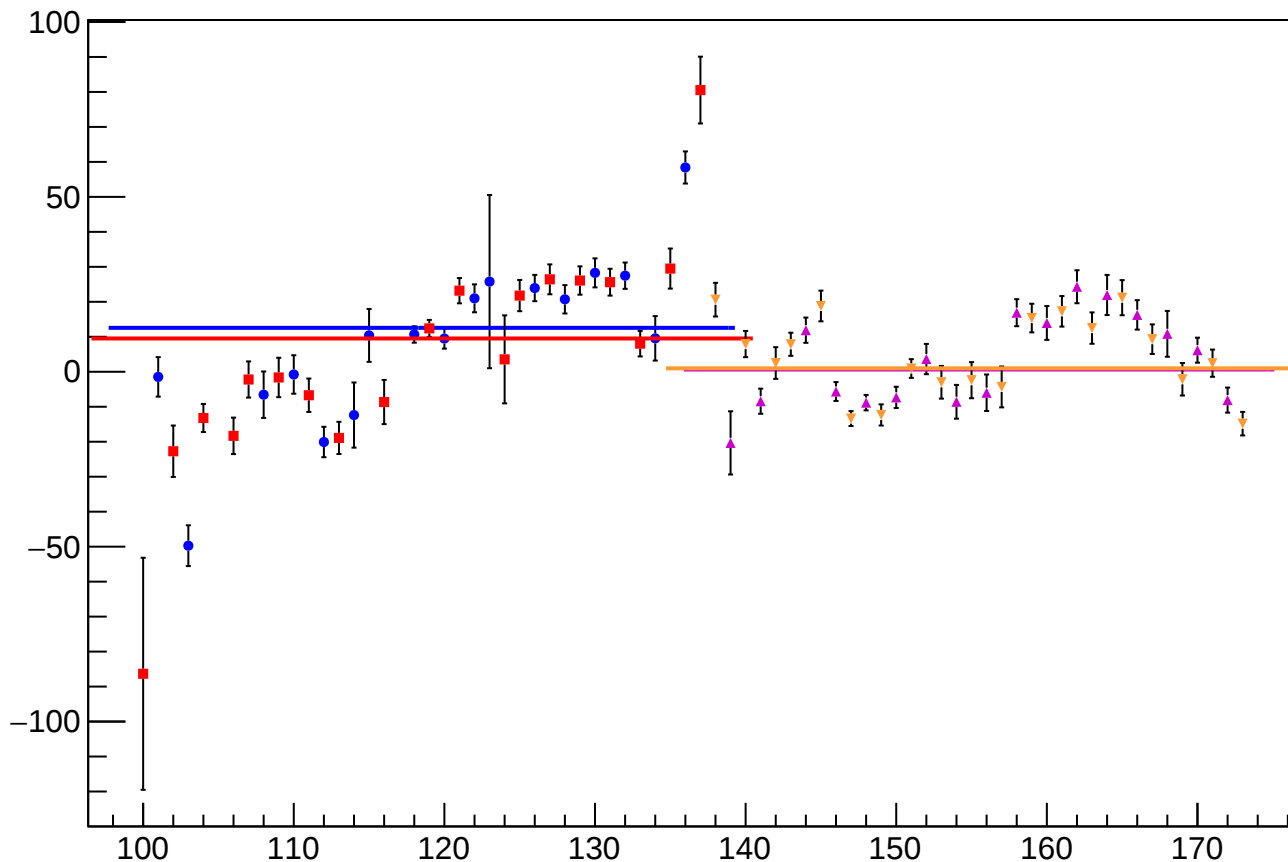
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 230.697 $\pm$ 1.310 χ^2/NDF :641.6/16

Out: 209.889 $\pm$ 1.244 χ^2/NDF :3388.7/18

All: 219.750 $\pm$ 0.902 χ^2/NDF : 4162.9/35

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.561 $\pm$ 1.056 χ^2 /NDF: 347.7/16

Left Out: 0.983 $\pm$ 0.862 χ^2 /NDF:183.3/18

Right Out: 9.519 $\pm$ 1.051 χ^2 /NDF: 296.2/18

Left In: 0.646 $\pm$ 0.924 χ^2 /NDF:146.7/16

Left: 0.826 $\pm$ 0.630 χ^2 /NDF: 330.1/35

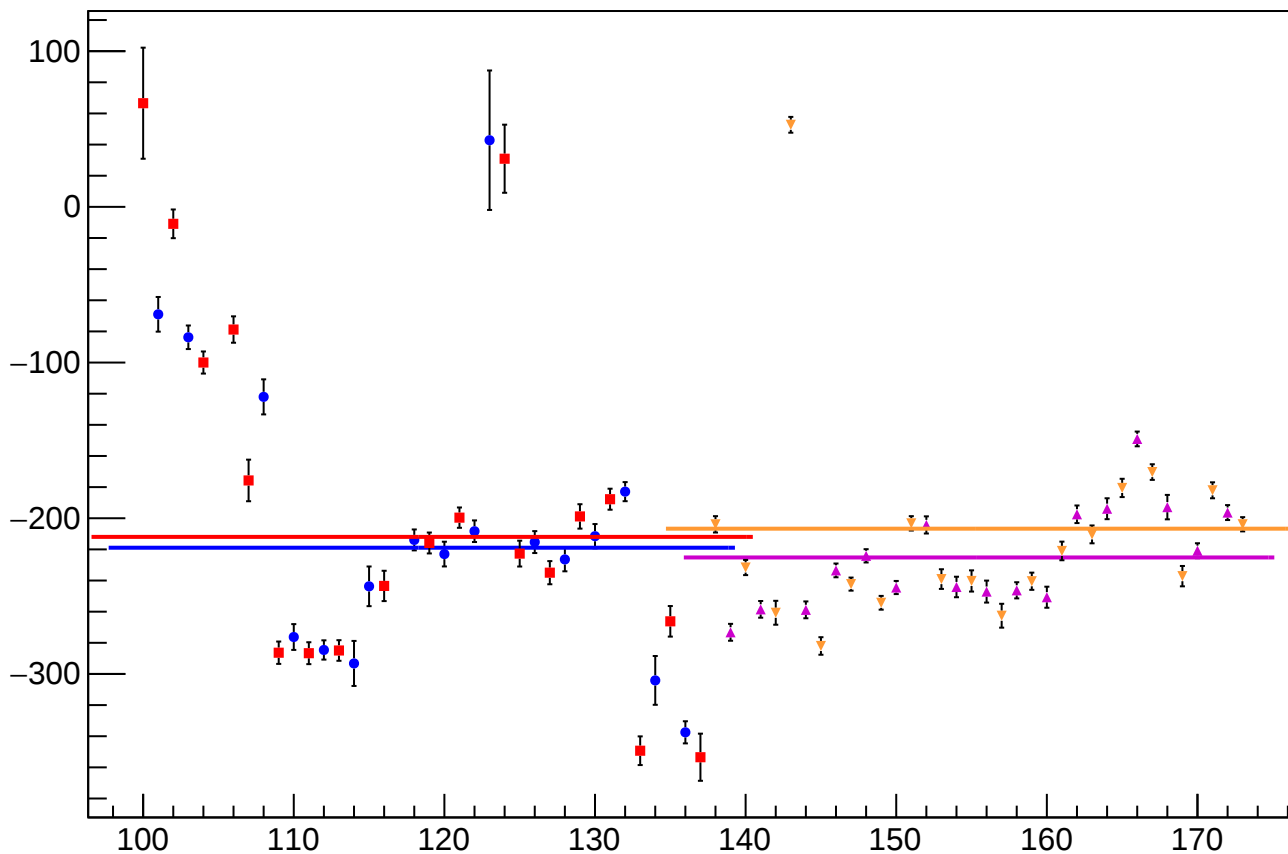
Right: 11.033 $\pm$ 0.745 χ^2 /NDF: 648.2/35

In: 5.816 $\pm$ 0.695 χ^2 /NDF:566.5/33

Out: 4.418 $\pm$ 0.666 χ^2 /NDF:519.0/37

All: 5.087 $\pm$ 0.481 χ^2 /NDF: 1087.7/71

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.925 ± 2.006 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -206.699 ± 1.237 $\chi^2/\text{NDF}: 3319.8/18$

Right Out: -211.968 ± 1.924 $\chi^2/\text{NDF}: 1886.2/18$

Left In: -225.182 ± 1.289 $\chi^2/\text{NDF}: 601.7/16$

Left: -215.562 ± 0.893 $\chi^2/\text{NDF}: 4028.5/35$

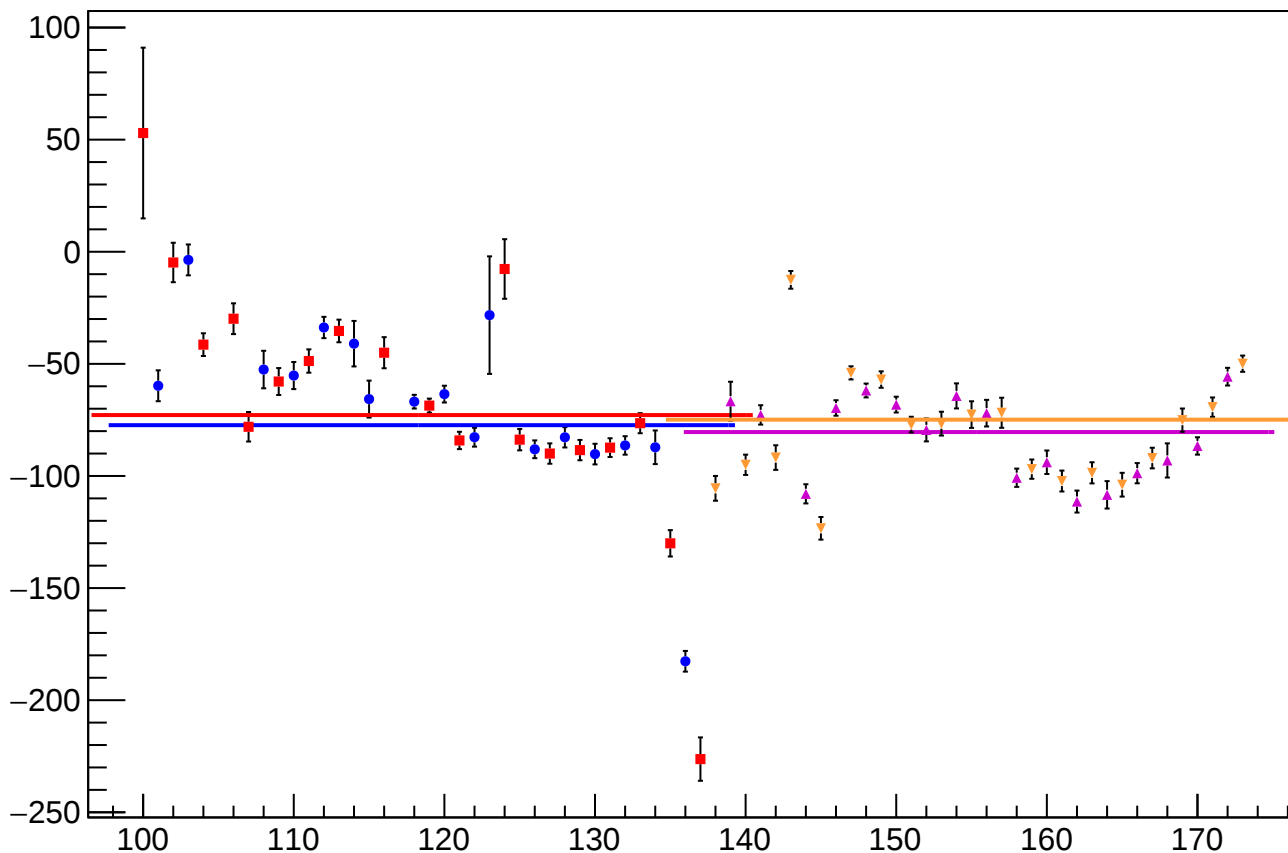
Right: -215.302 ± 1.389 $\chi^2/\text{NDF}: 3039.1/35$

In: -223.353 ± 1.085 $\chi^2/\text{NDF}: 1755.2/33$

Out: -208.241 ± 1.041 $\chi^2/\text{NDF}: 5211.3/37$

All: -215.486 ± 0.751 $\chi^2/\text{NDF}: 7067.6/71$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.342 ± 1.219 χ^2/NDF : 817.2/16

Left Out: -74.879 ± 1.015 χ^2/NDF : 655.3/18

Right Out: -72.836 ± 1.209 χ^2/NDF : 672.9/18

Left In: -80.416 ± 1.084 χ^2/NDF : 268.9/16

Left: -77.465 ± 0.741 χ^2/NDF : 938.1/35

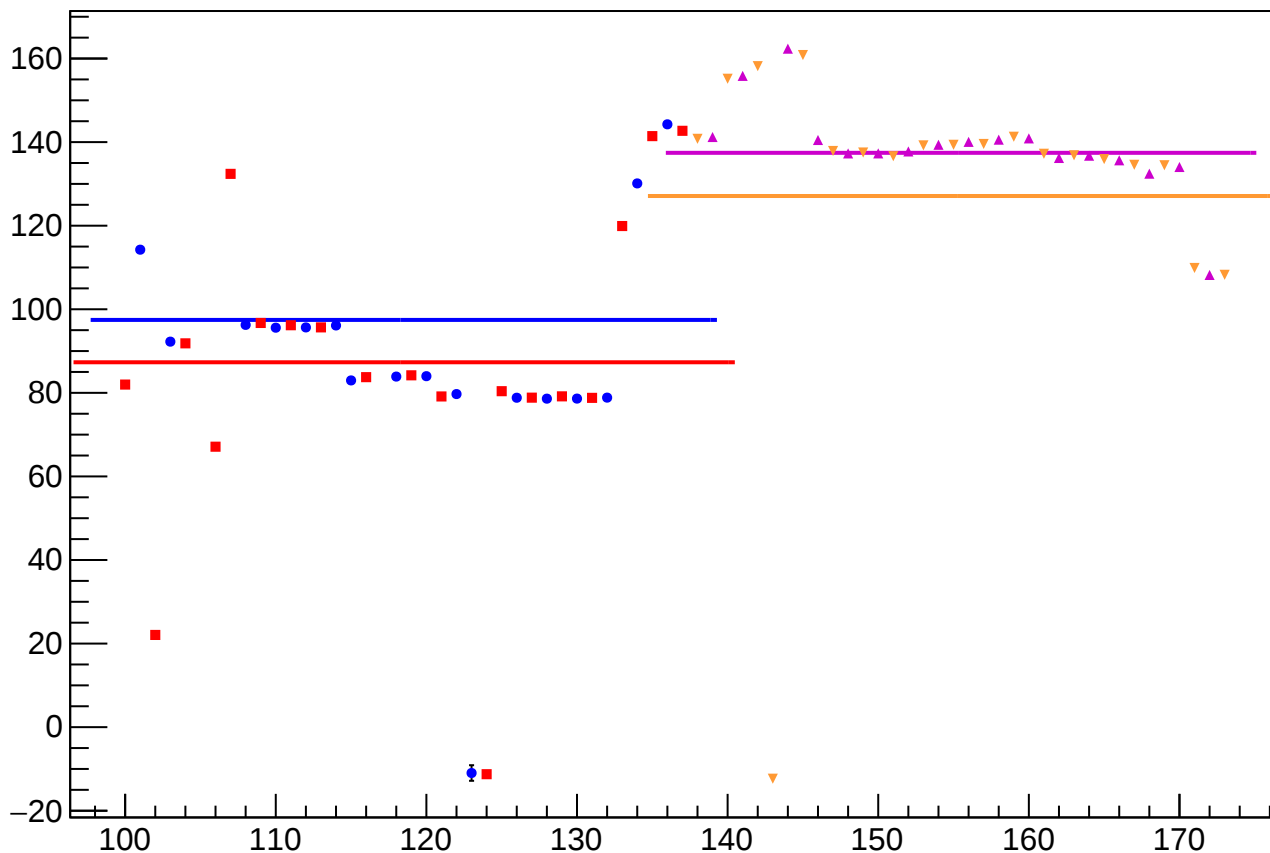
Right: -75.069 ± 0.858 χ^2/NDF : 1497.0/35

In: -79.059 ± 0.810 χ^2/NDF : 1089.6/33

Out: -74.035 ± 0.777 χ^2/NDF : 1329.8/37

All: -76.442 ± 0.561 χ^2/NDF : 2439.5/71

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.452+/-0.073 χ^2/NDF : 94476.4/16

Left Out: 127.103+/-0.049 χ^2/NDF : 577010.5/18

Right Out: 87.315+/-0.068 χ^2/NDF : 221837.7/18

Left In: 137.436+/-0.051 χ^2/NDF : 49738.7/16

Left: 132.061+/-0.035 χ^2/NDF : 648260.9/35

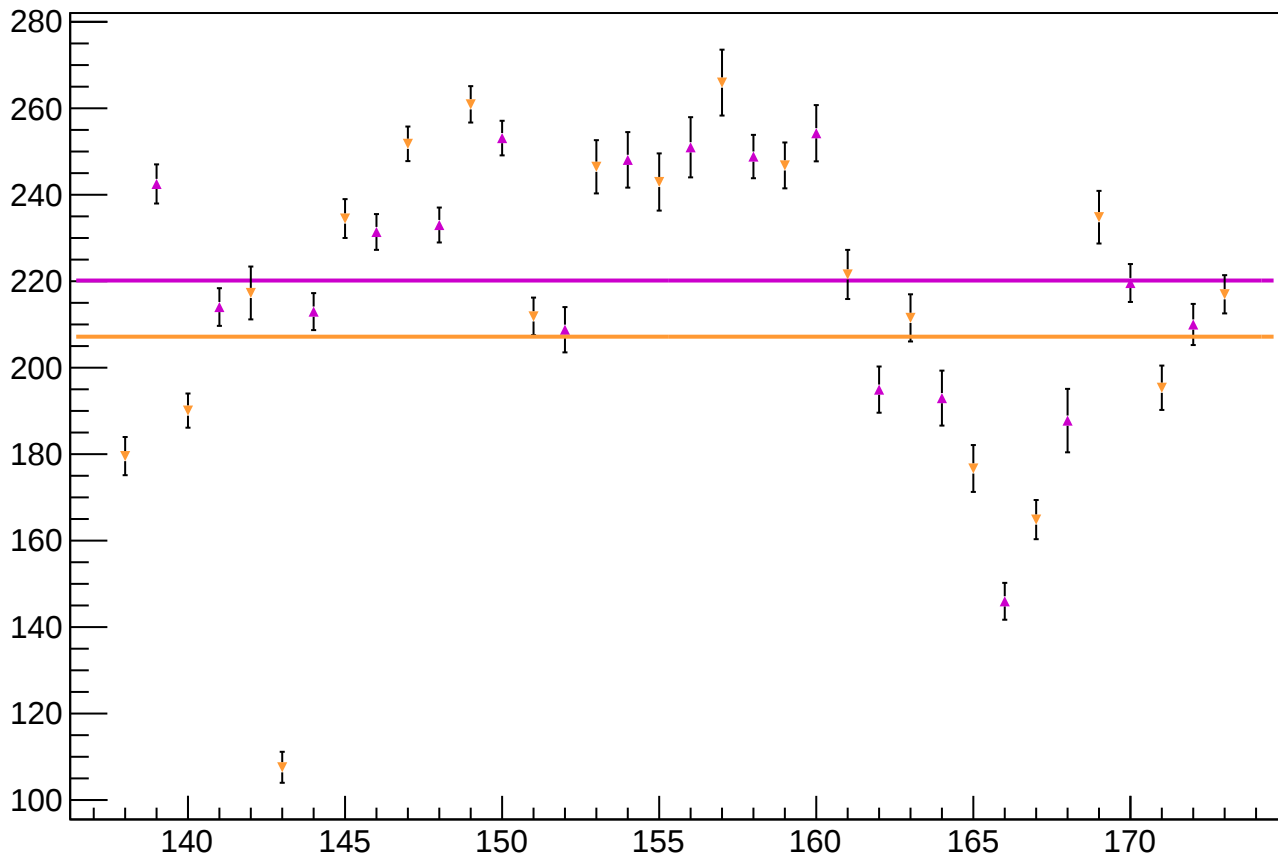
Right: 92.024+/-0.050 χ^2/NDF : 326563.7/35

In: 124.448+/-0.042 χ^2/NDF : 345313.3/33

Out: 113.639+/-0.040 χ^2/NDF : 1023758.9/37

All: 118.770+/-0.029 χ^2/NDF : 1404273.4/71

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: 207.174+/-1.114 χ^2/NDF :1500.0/18

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

Left In: 220.162+/-1.185 χ^2/NDF :585.4/16

Left: 213.266+/-0.811 χ^2/NDF : 2149.3/35

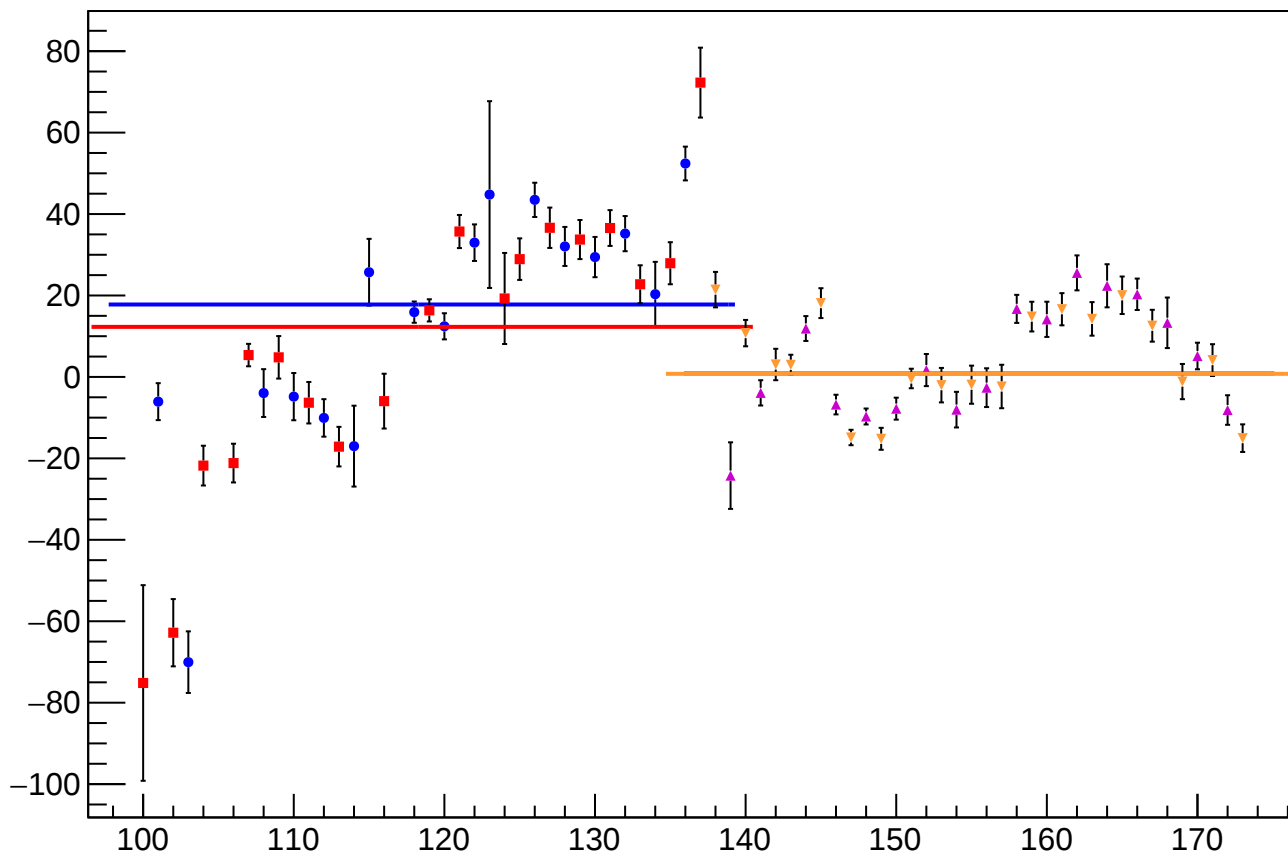
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 220.162+/-1.185 χ^2/NDF :585.4/16

Out: 207.174+/-1.114 χ^2/NDF :1500.0/18

All: 213.266+/-0.811 χ^2/NDF : 2149.3/35

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.786 ± 1.146 χ^2/NDF : 395.1/16

Left Out: 0.762 ± 0.768 χ^2/NDF : 251.2/18

Right Out: 12.294 ± 1.086 χ^2/NDF : 443.7/18

Left In: 0.851 ± 0.831 χ^2/NDF : 196.5/16

Left: 0.803 ± 0.564 χ^2/NDF : 447.7/35

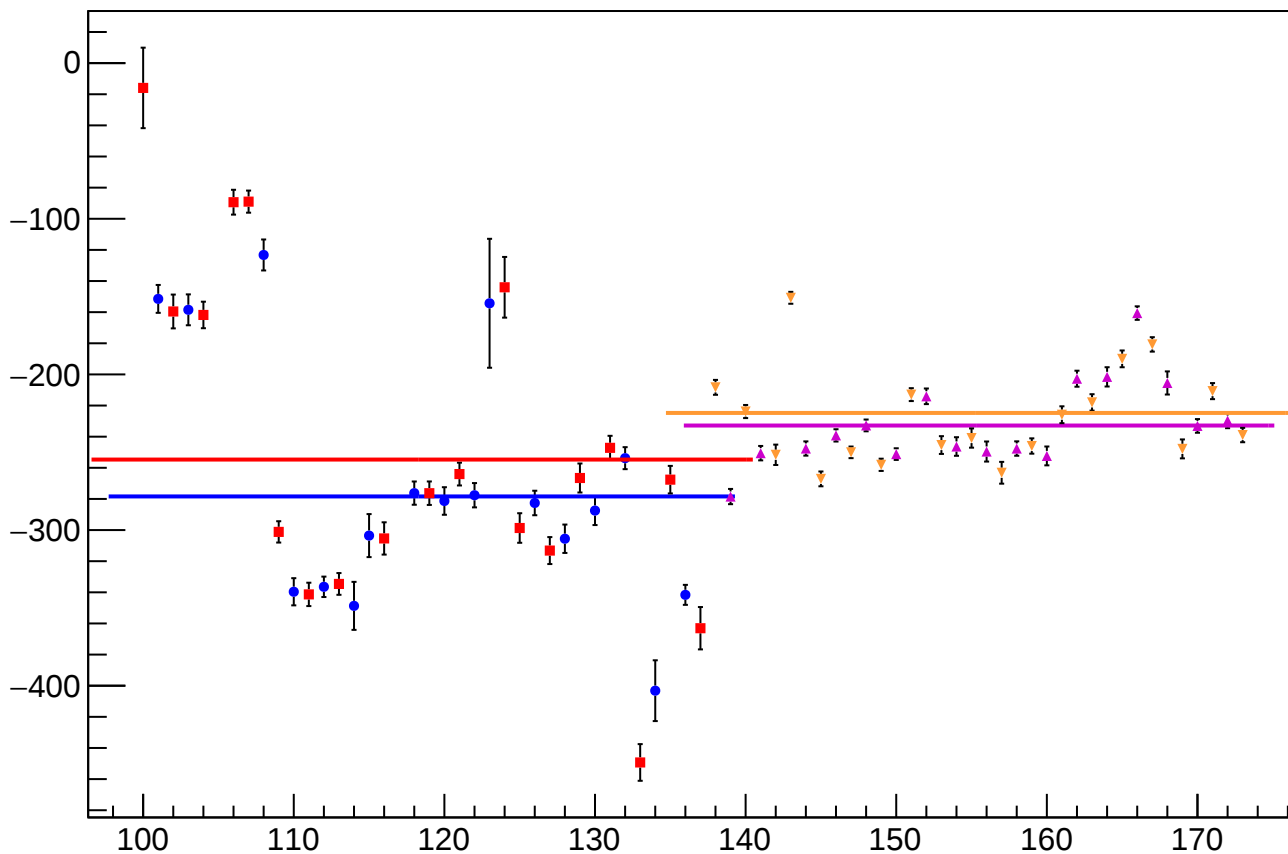
Right: 14.891 ± 0.788 χ^2/NDF : 850.9/35

In: 6.686 ± 0.673 χ^2/NDF : 734.7/33

Out: 4.606 ± 0.627 χ^2/NDF : 770.1/37

All: 5.572 ± 0.459 χ^2/NDF : 1509.9/71

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.393 ± 2.168 $\chi^2/\text{NDF}: 910.5/16$

Left Out: -224.745 ± 1.110 $\chi^2/\text{NDF}: 840.7/18$

Right Out: -254.703 ± 2.020 $\chi^2/\text{NDF}: 2038.5/18$

Left In: -232.838 ± 1.166 $\chi^2/\text{NDF}: 535.4/16$

Left: -228.594 ± 0.804 $\chi^2/\text{NDF}: 1401.4/35$

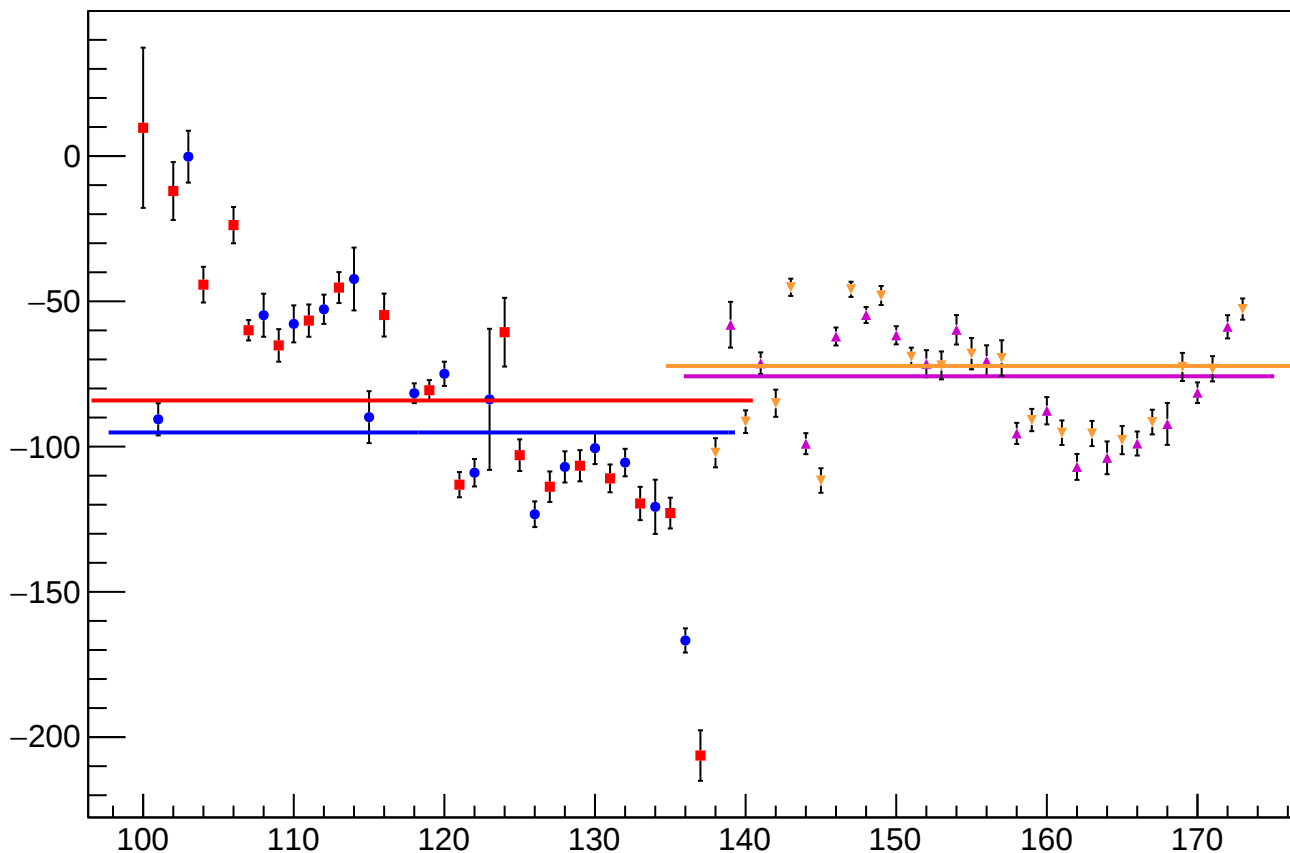
Right: -265.715 ± 1.478 $\chi^2/\text{NDF}: 3013.0/35$

In: -243.056 ± 1.027 $\chi^2/\text{NDF}: 1788.6/33$

Out: -231.692 ± 0.973 $\chi^2/\text{NDF}: 3048.1/37$

All: -237.069 ± 0.706 $\chi^2/\text{NDF}: 4901.2/71$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.135 ± 1.322 χ^2/NDF : 674.9/16

Left Out: -72.251 ± 0.907 χ^2/NDF : 556.0/18

Right Out: -84.124 ± 1.259 χ^2/NDF : 782.9/18

Left In: -75.798 ± 0.978 χ^2/NDF : 325.3/16

Left: -73.892 ± 0.665 χ^2/NDF : 888.3/35

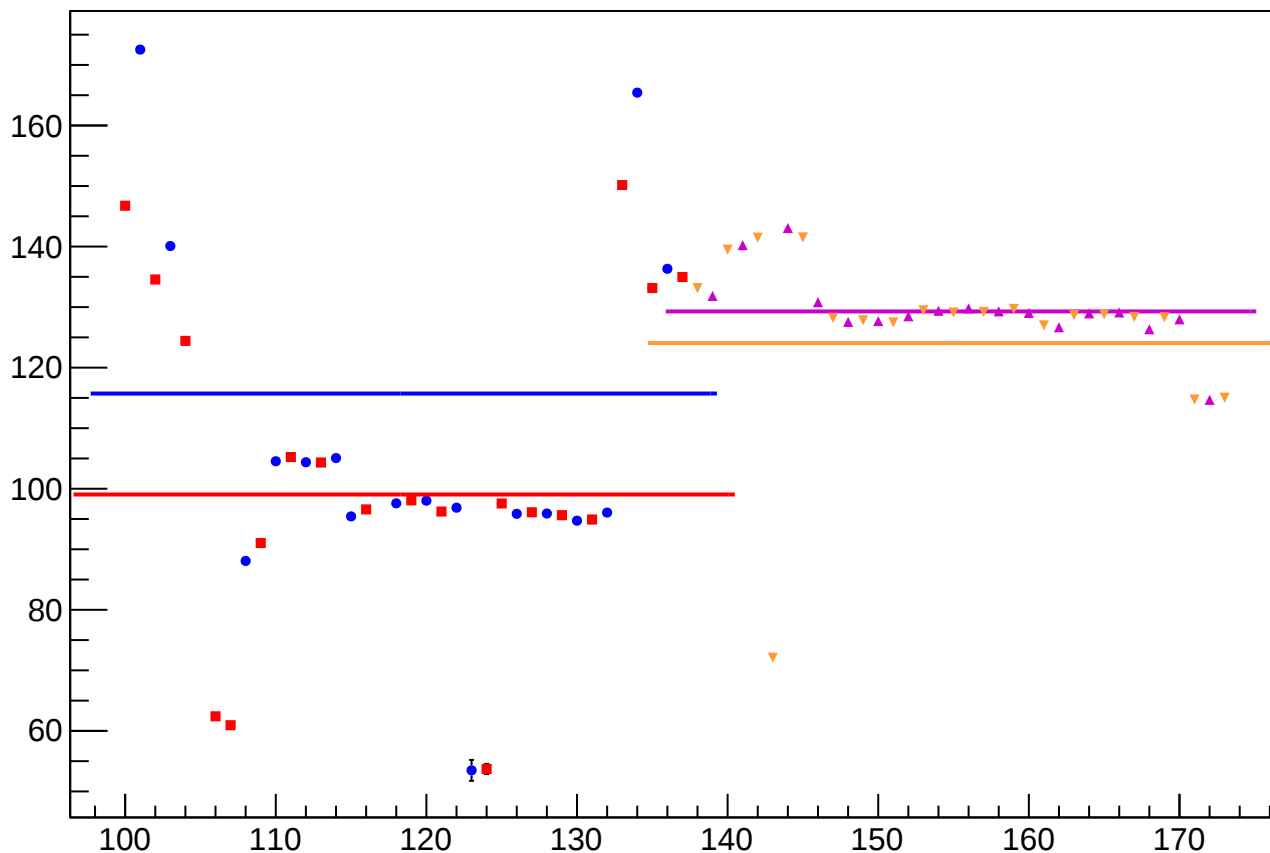
Right: -89.357 ± 0.912 χ^2/NDF : 1494.2/35

In: -82.632 ± 0.786 χ^2/NDF : 1138.4/33

Out: -76.310 ± 0.736 χ^2/NDF : 1397.4/37

All: -79.263 ± 0.537 χ^2/NDF : 2570.3/71

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.724 $\pm$ 0.078 χ^2 /NDF: 106388.1/16

Left Out: 124.062 $\pm$ 0.044 χ^2 /NDF:148847.0/18

Right Out: 99.049 $\pm$ 0.069 χ^2 /NDF: 173463.3/18

Left In: 129.286 $\pm$ 0.046 χ^2 /NDF:16154.8/16

Left: 126.552 $\pm$ 0.032 χ^2 /NDF: 171724.7/35

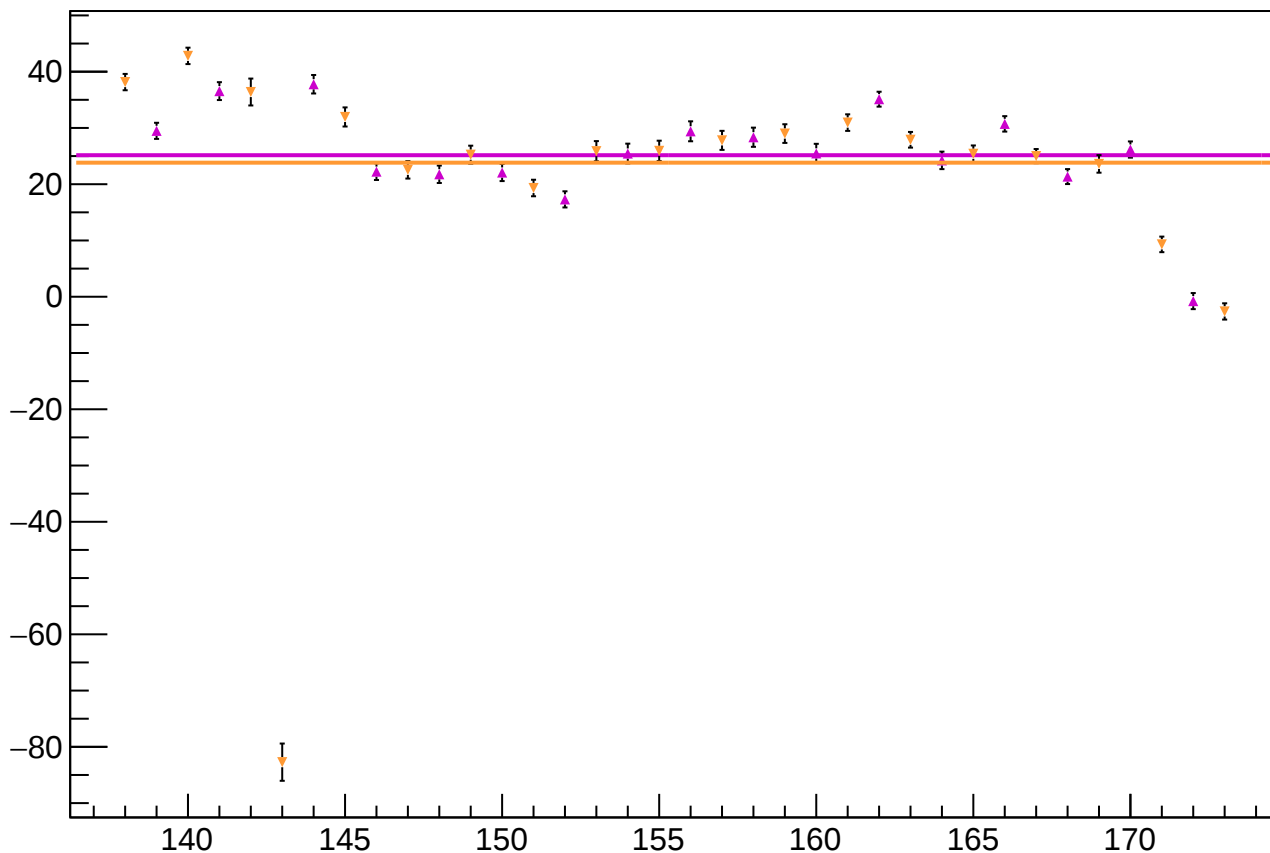
Right: 106.312 $\pm$ 0.051 χ^2 /NDF: 305658.4/35

In: 125.775 $\pm$ 0.040 χ^2 /NDF:144960.4/33

Out: 116.760 $\pm$ 0.037 χ^2 /NDF:416712.8/37

All: 120.954 $\pm$ 0.027 χ^2 /NDF: 589270.3/71

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 23.829+/-0.362 χ^2/NDF :1860.2/18

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

Left In: 25.155+/-0.367 χ^2/NDF :582.5/16

Left: 24.483+/-0.258 χ^2/NDF : 2449.4/35

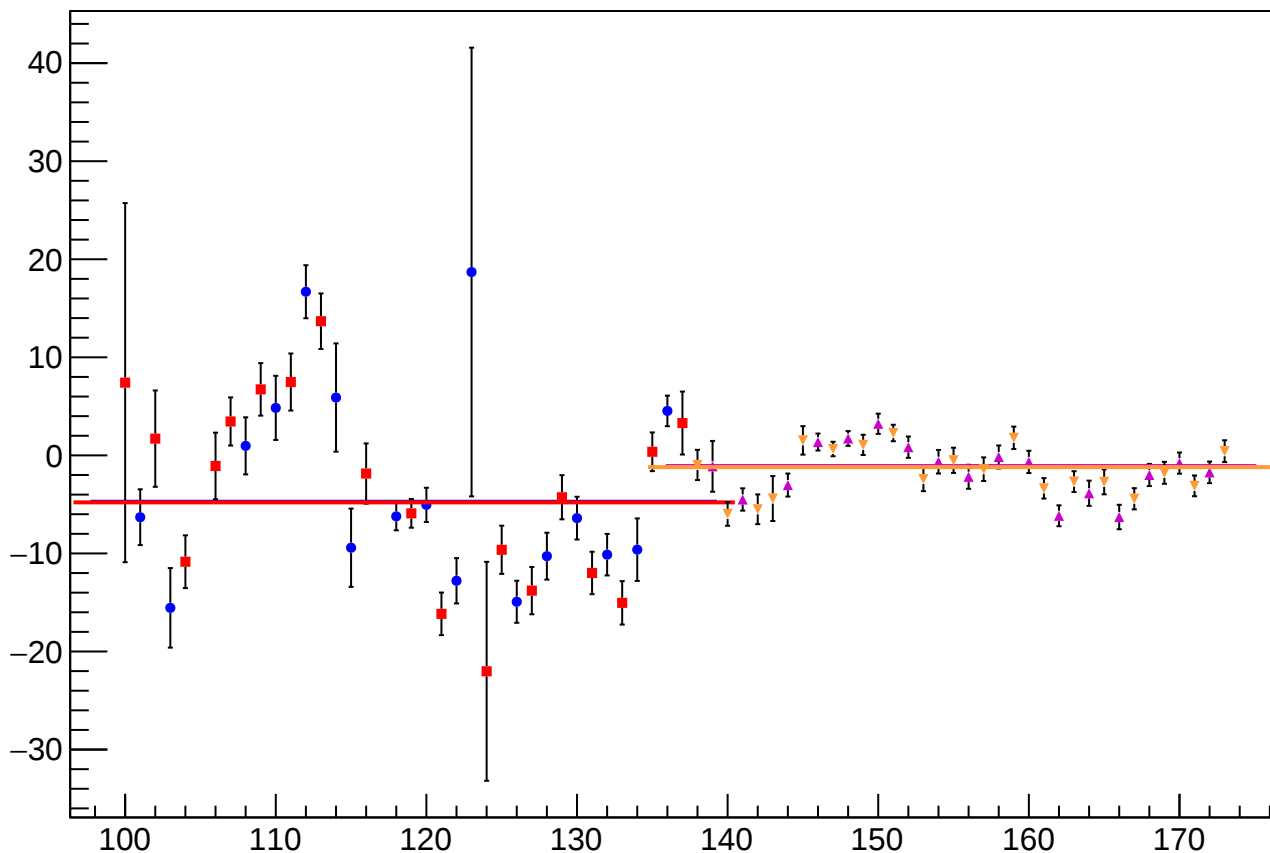
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 25.155+/-0.367 χ^2/NDF :582.5/16

Out: 23.829+/-0.362 χ^2/NDF :1860.2/18

All: 24.483+/-0.258 χ^2/NDF : 2449.4/35

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.730 ± 0.580 χ^2/NDF : 174.8/16

Left Out: -1.198 ± 0.259 χ^2/NDF : 87.9/18

Right Out: -4.793 ± 0.586 χ^2/NDF : 193.5/18

Left In: -1.092 ± 0.267 χ^2/NDF : 101.7/16

Left: -1.147 ± 0.186 χ^2/NDF : 189.7/35

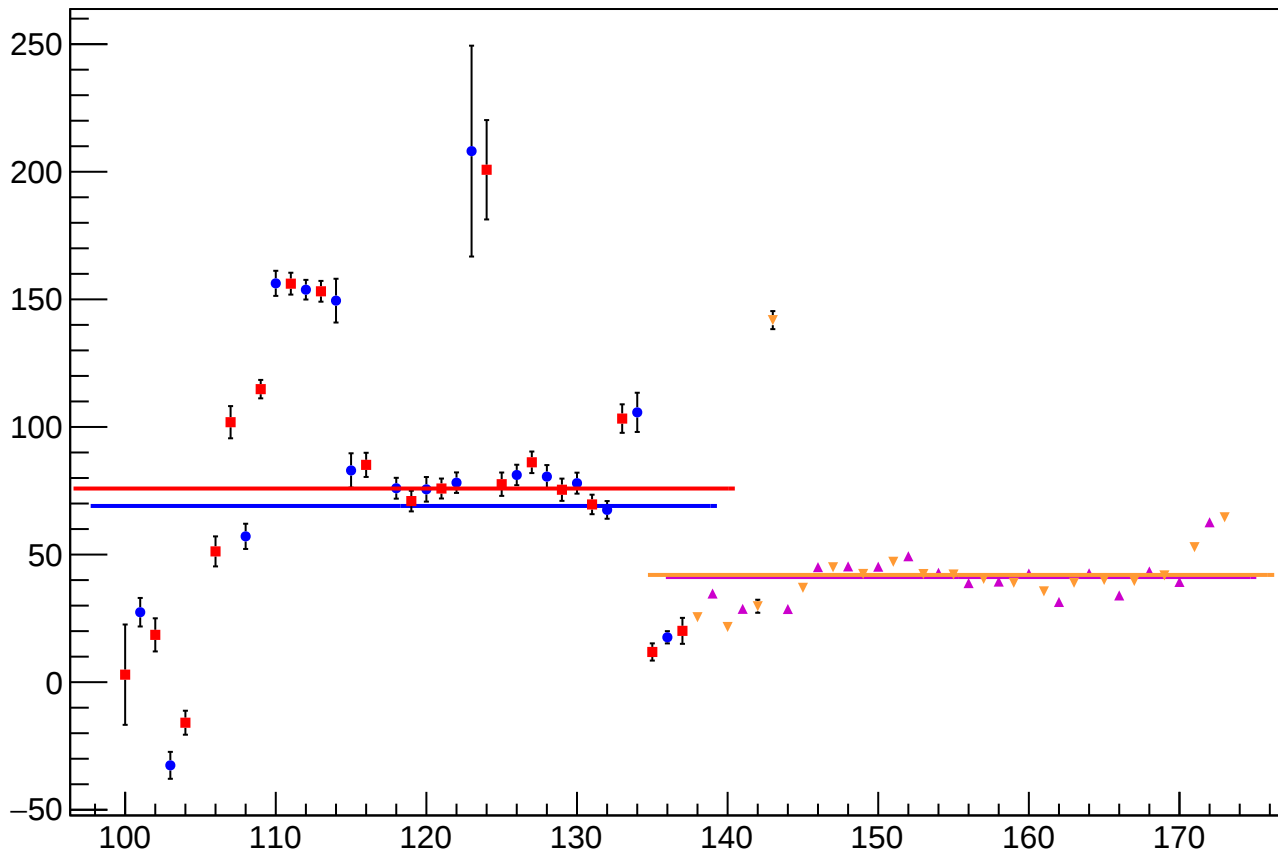
Right: -4.761 ± 0.412 χ^2/NDF : 368.3/35

In: -1.731 ± 0.243 χ^2/NDF : 309.0/33

Out: -1.786 ± 0.237 χ^2/NDF : 312.8/37

All: -1.759 ± 0.170 χ^2/NDF : 621.9/71

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.048 $\pm$ 1.077 χ^2 /NDF: 1847.9/16

Left Out: 42.024 $\pm$ 0.357 χ^2 /NDF:1452.2/18

Right Out: 75.878 $\pm$ 1.069 χ^2 /NDF: 1895.0/18

Left In: 41.191 $\pm$ 0.361 χ^2 /NDF:493.0/16

Left: 41.611 $\pm$ 0.254 χ^2 /NDF: 1947.8/35

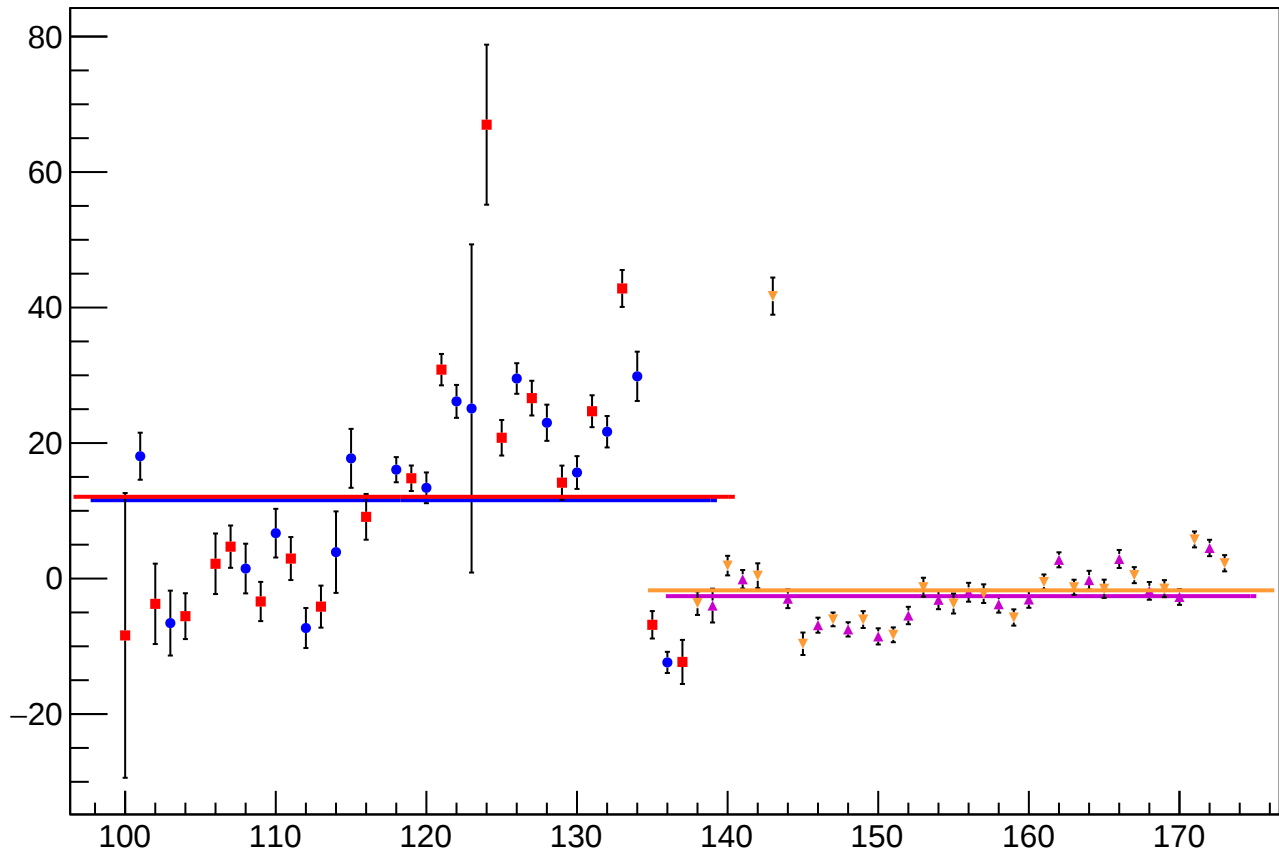
Right: 72.486 $\pm$ 0.759 χ^2 /NDF: 3763.1/35

In: 44.000 $\pm$ 0.342 χ^2 /NDF:2942.8/33

Out: 45.424 $\pm$ 0.339 χ^2 /NDF:4248.6/37

All: 44.718 $\pm$ 0.241 χ^2 /NDF: 7200.1/71

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.565 ± 0.658 $\chi^2/\text{NDF}: 478.2/16$

Left Out: -1.738 ± 0.299 $\chi^2/\text{NDF}: 418.3/18$

Right Out: 12.071 ± 0.665 $\chi^2/\text{NDF}: 543.3/18$

Left In: -2.596 ± 0.309 $\chi^2/\text{NDF}: 149.7/16$

Left: -2.153 ± 0.215 $\chi^2/\text{NDF}: 571.9/35$

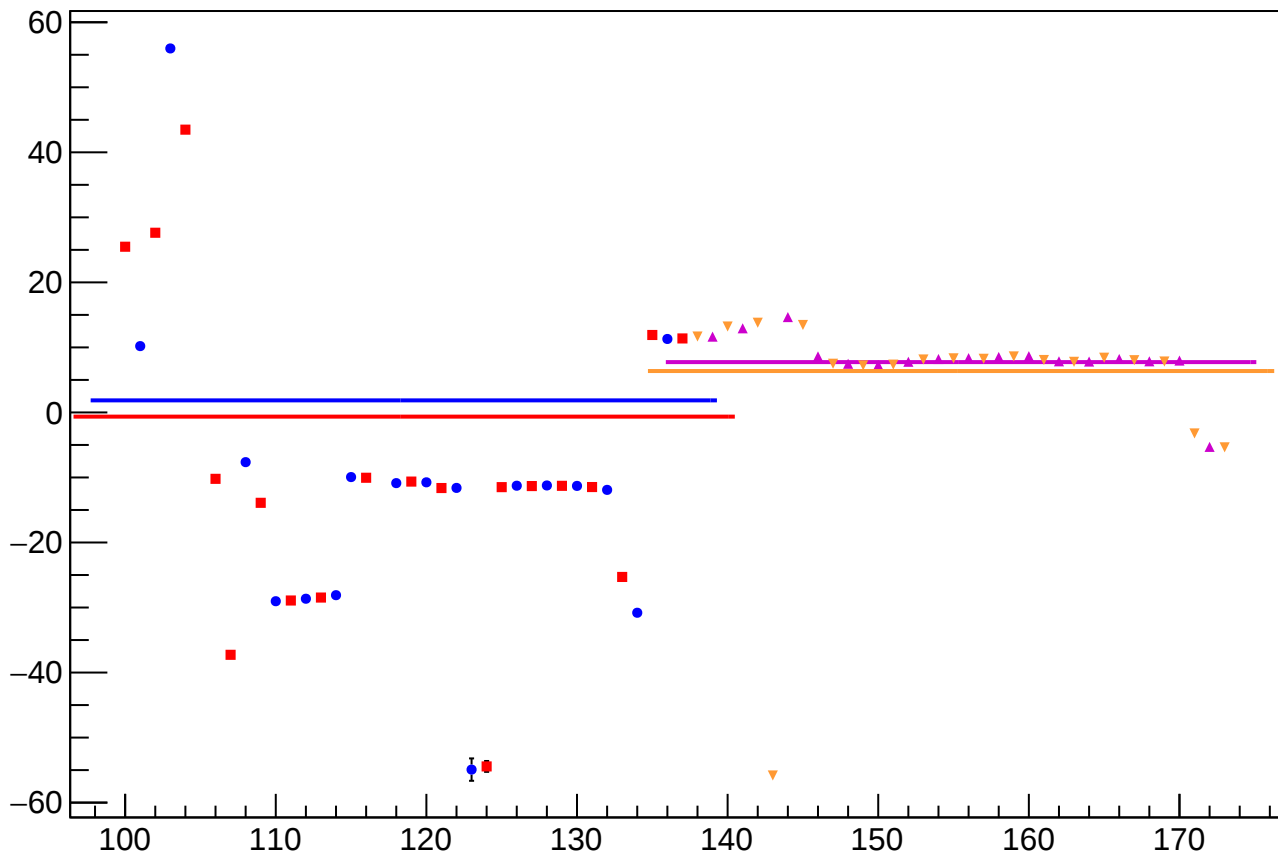
Right: 11.816 ± 0.468 $\chi^2/\text{NDF}: 1021.8/35$

In: -0.041 ± 0.280 $\chi^2/\text{NDF}: 1007.2/33$

Out: 0.588 ± 0.273 $\chi^2/\text{NDF}: 1320.7/37$

All: 0.281 ± 0.195 $\chi^2/\text{NDF}: 2330.5/71$

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.855 ± 0.037 $\chi^2/\text{NDF}: 359414.1/16$

Left Out: 6.367 ± 0.014 $\chi^2/\text{NDF}: 320881.7/18$

Right Out: -0.644 ± 0.037 $\chi^2/\text{NDF}: 361625.7/18$

Left In: 7.740 ± 0.014 $\chi^2/\text{NDF}: 83250.6/16$

Left: 7.044 ± 0.010 $\chi^2/\text{NDF}: 408995.1/35$

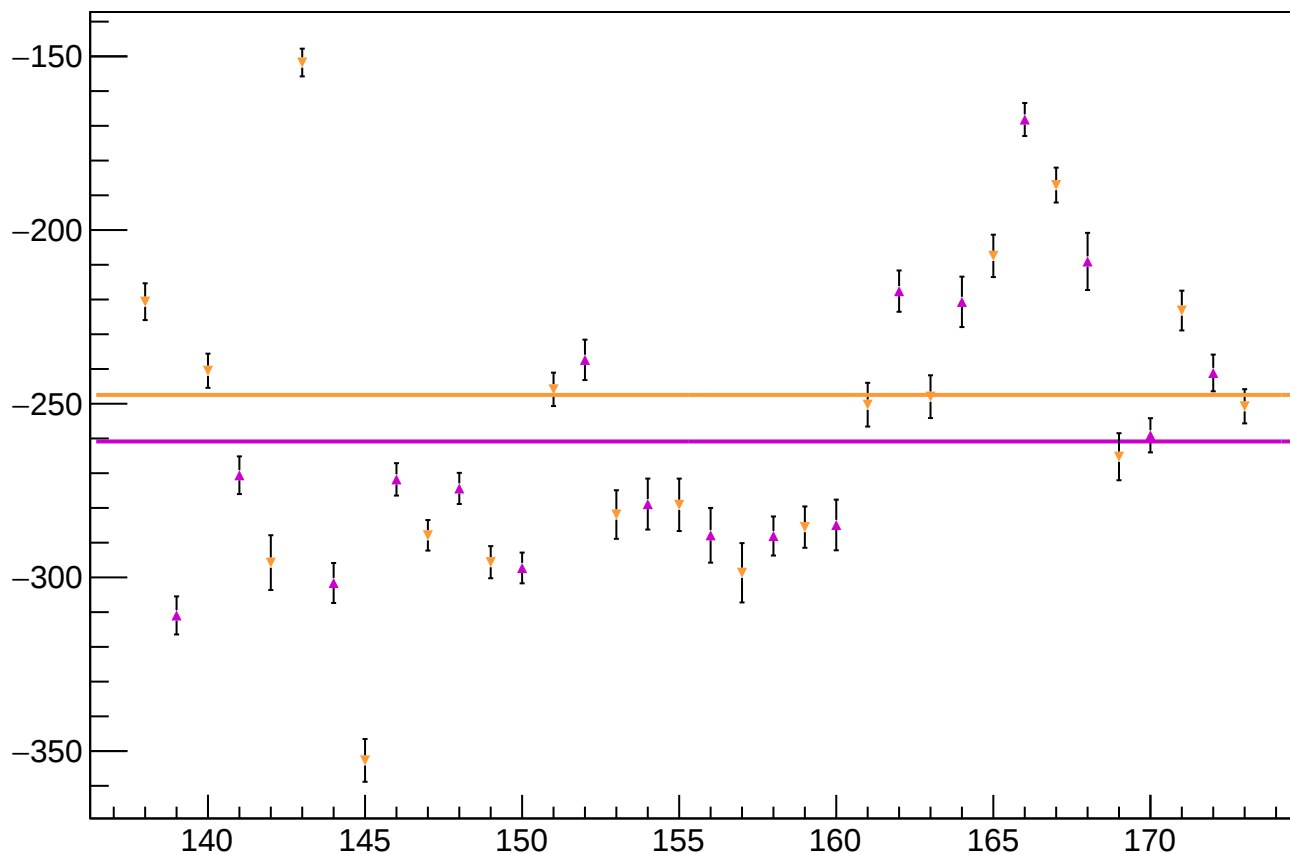
Right: 0.608 ± 0.026 $\chi^2/\text{NDF}: 723318.4/35$

In: 7.002 ± 0.013 $\chi^2/\text{NDF}: 464788.5/33$

Out: 5.510 ± 0.013 $\chi^2/\text{NDF}: 713936.6/37$

All: 6.247 ± 0.009 $\chi^2/\text{NDF}: 1185276.9/71$

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -247.464+/-1.274 χ^2/NDF :1457.7/18

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

Left In: -260.860+/-1.358 χ^2/NDF :806.8/16

Left: -253.739+/-0.929 χ^2/NDF : 2316.3/35

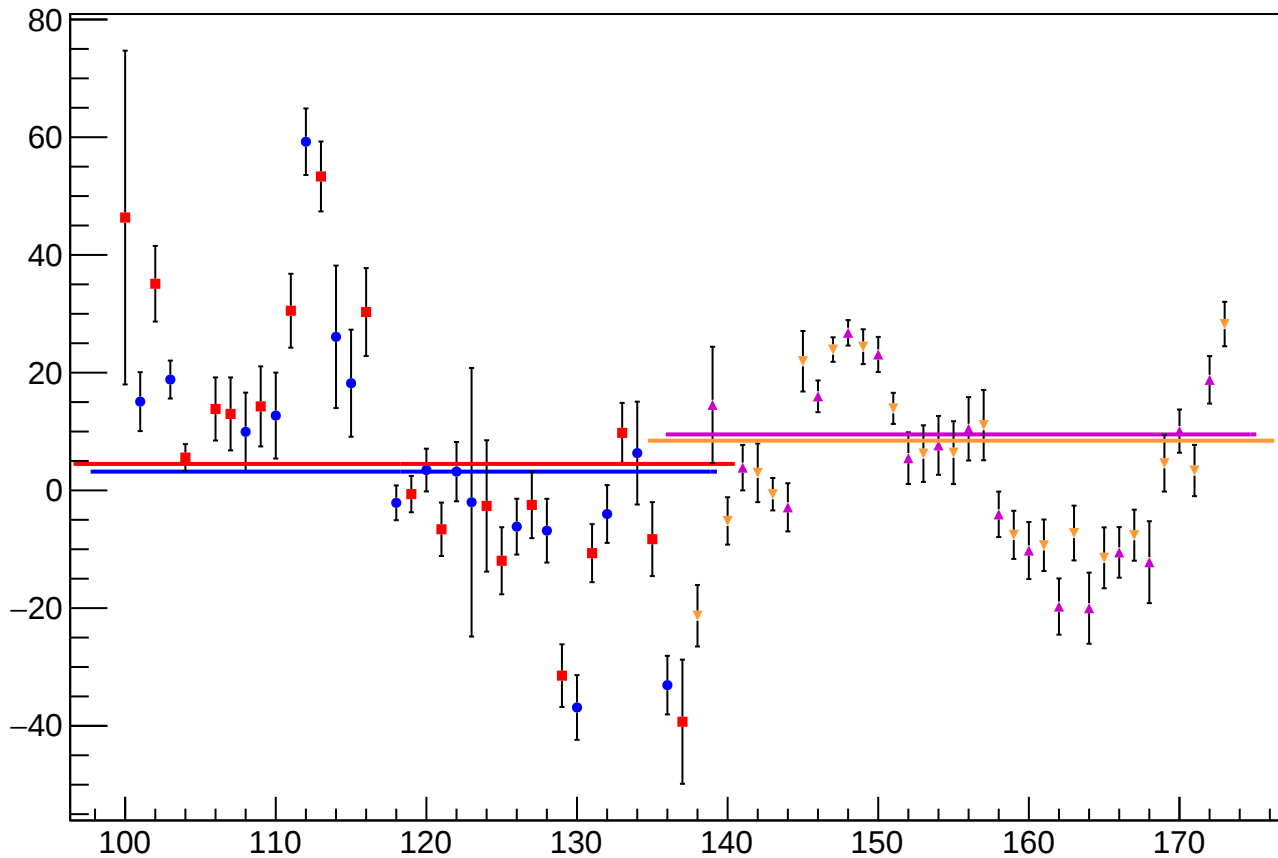
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -260.860+/-1.358 χ^2/NDF :806.8/16

Out: -247.464+/-1.274 χ^2/NDF :1457.7/18

All: -253.739+/-0.929 χ^2/NDF : 2316.3/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.188+/-1.225 χ^2/NDF : 255.6/16

Left Out: 8.443+/-0.871 χ^2/NDF : 253.3/18

Right Out: 4.497+/-1.160 χ^2/NDF : 225.4/18

Left In: 9.509+/-0.946 χ^2/NDF : 229.4/16

Left: 8.932+/-0.641 χ^2/NDF : 483.4/35

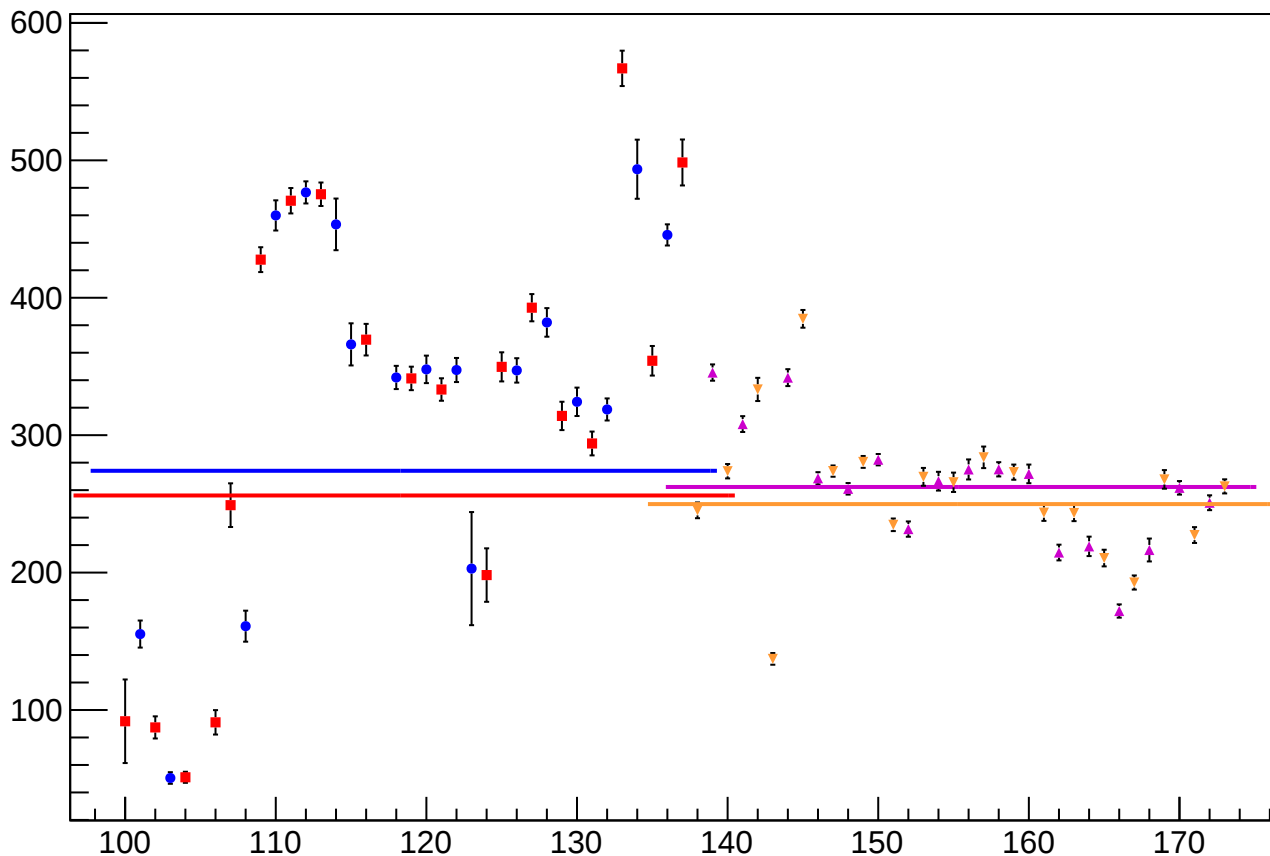
Right: 3.879+/-0.842 χ^2/NDF : 481.7/35

In: 7.149+/-0.749 χ^2/NDF : 501.7/33

Out: 7.019+/-0.697 χ^2/NDF : 486.1/37

All: 7.079+/-0.510 χ^2/NDF : 987.8/71

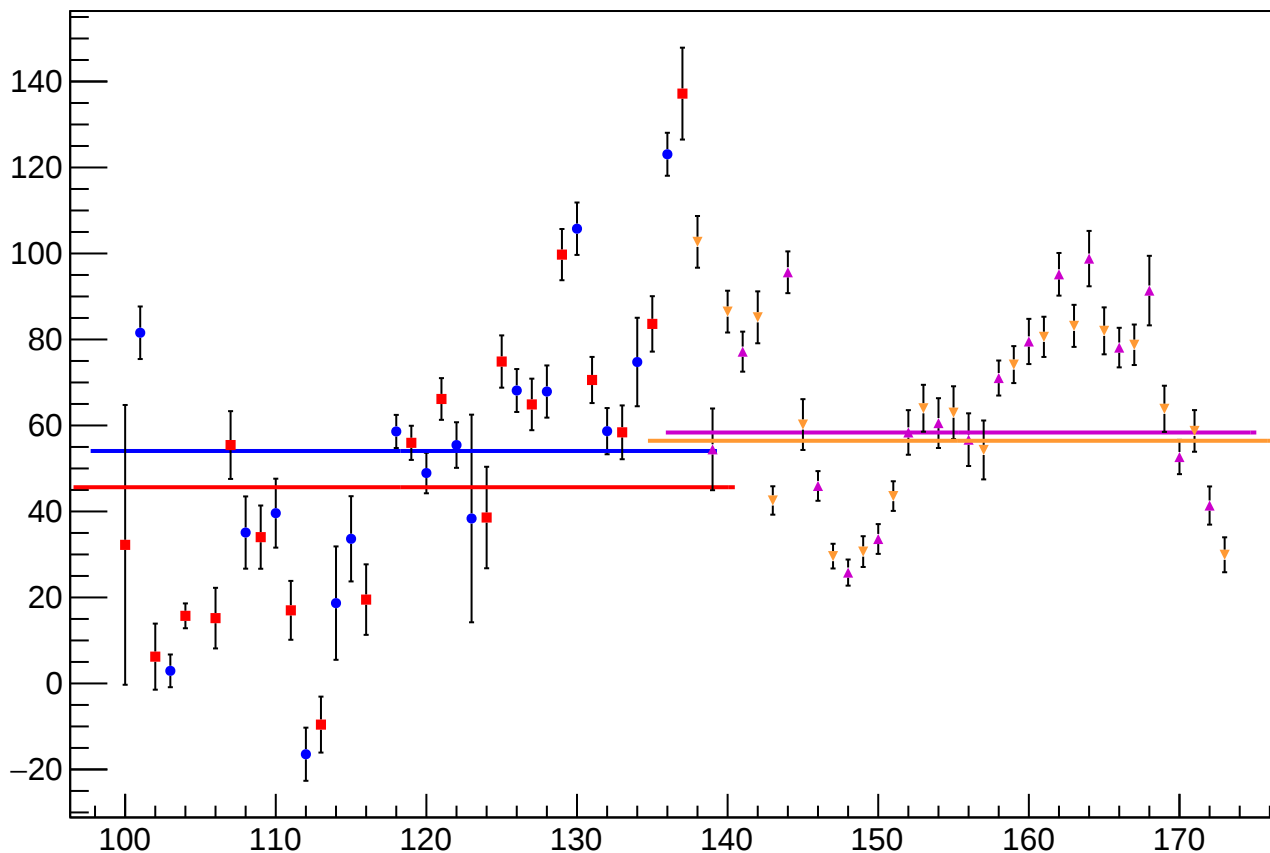
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 274.079 $\pm$ 2.191 χ^2 /NDF: 5112.0/16
 Left Out: 249.845 $\pm$ 1.265 χ^2 /NDF:1597.4/18
 Right Out: 256.109 $\pm$ 2.080 χ^2 /NDF: 6444.1/18
 Left In: 262.302 $\pm$ 1.331 χ^2 /NDF:984.8/16

Left: 255.760 $\pm$ 0.917 χ^2 /NDF: 2628.2/35
 Right: 264.628 $\pm$ 1.509 χ^2 /NDF: 11591.4/35
 In: 265.475 $\pm$ 1.137 χ^2 /NDF:6117.9/33
 Out: 251.537 $\pm$ 1.081 χ^2 /NDF:8048.1/37
 All: 258.153 $\pm$ 0.784 χ^2 /NDF: 14244.8/71

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.065 $\pm$ 1.421 χ^2 /NDF: 634.4/16

Left Out: 56.439 $\pm$ 1.031 χ^2 /NDF:457.0/18

Right Out: 45.637 $\pm$ 1.359 χ^2 /NDF: 530.8/18

Left In: 58.364 $\pm$ 1.114 χ^2 /NDF:426.9/16

Left: 57.327 $\pm$ 0.756 χ^2 /NDF: 885.5/35

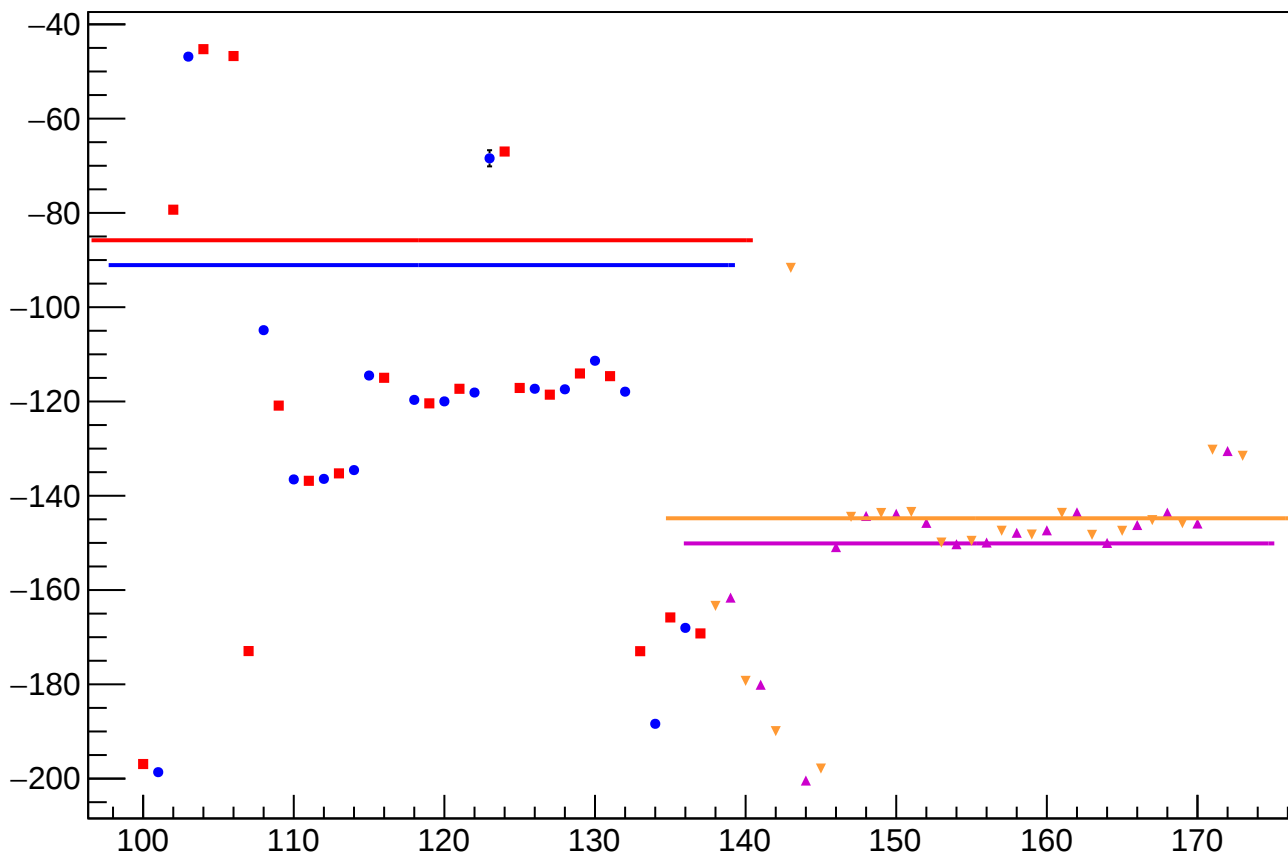
Right: 49.665 $\pm$ 0.982 χ^2 /NDF: 1183.6/35

In: 56.728 $\pm$ 0.876 χ^2 /NDF:1067.0/33

Out: 52.494 $\pm$ 0.821 χ^2 /NDF:1027.9/37

All: 54.474 $\pm$ 0.599 χ^2 /NDF: 2107.2/71

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -91.074 $\pm$ 0.068 χ^2/NDF : 534647.5/16

Left Out: -144.777 $\pm$ 0.050 χ^2/NDF : 198923.2/18

Right Out: -85.803 $\pm$ 0.065 χ^2/NDF : 495895.1/18

Left In: -150.111 $\pm$ 0.053 χ^2/NDF : 69852.5/16

Left: -147.317 $\pm$ 0.036 χ^2/NDF : 274161.5/35

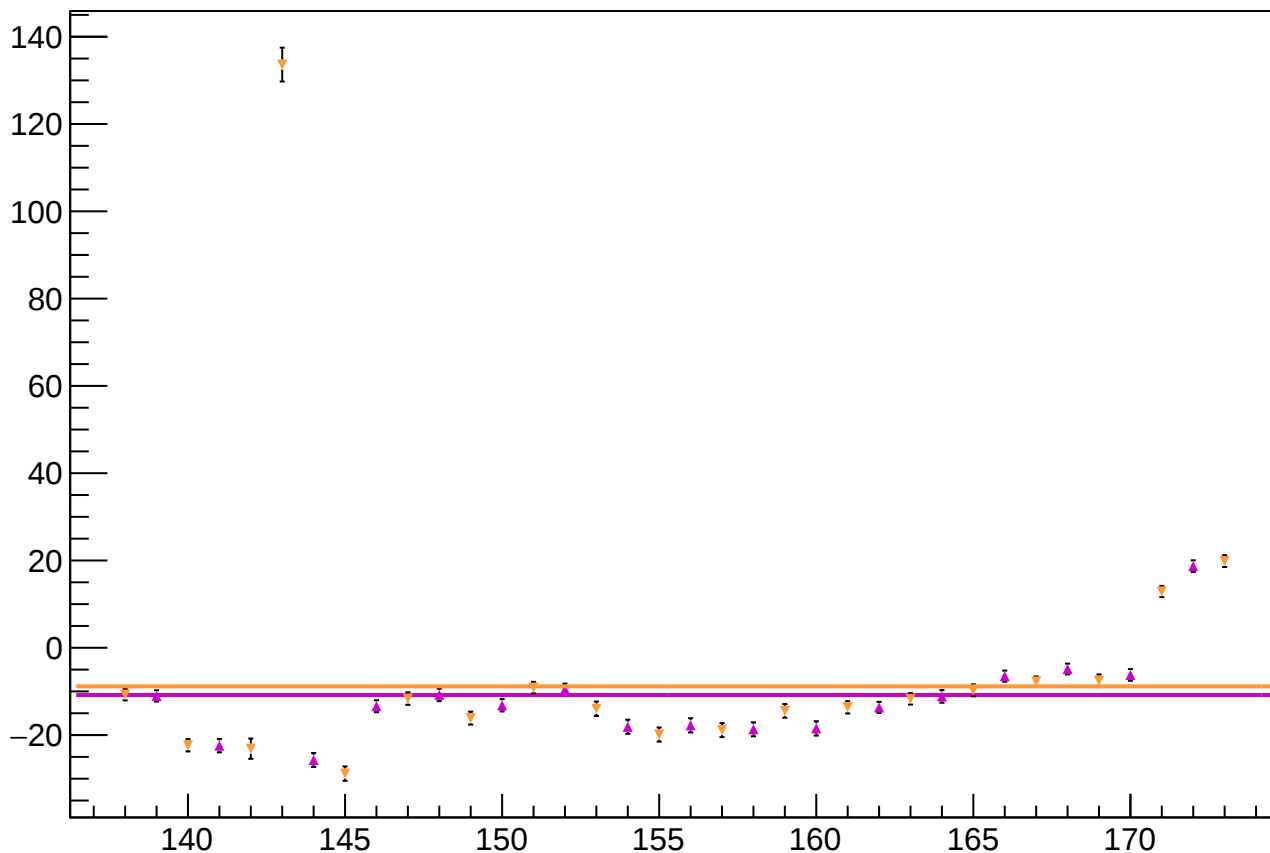
Right: -88.339 $\pm$ 0.047 χ^2/NDF : 1033703.0/35

In: -127.819 $\pm$ 0.041 χ^2/NDF : 1080207.8/33

Out: -122.787 $\pm$ 0.040 χ^2/NDF : 1210410.7/37

All: -125.193 $\pm$ 0.029 χ^2/NDF : 2298292.4/71

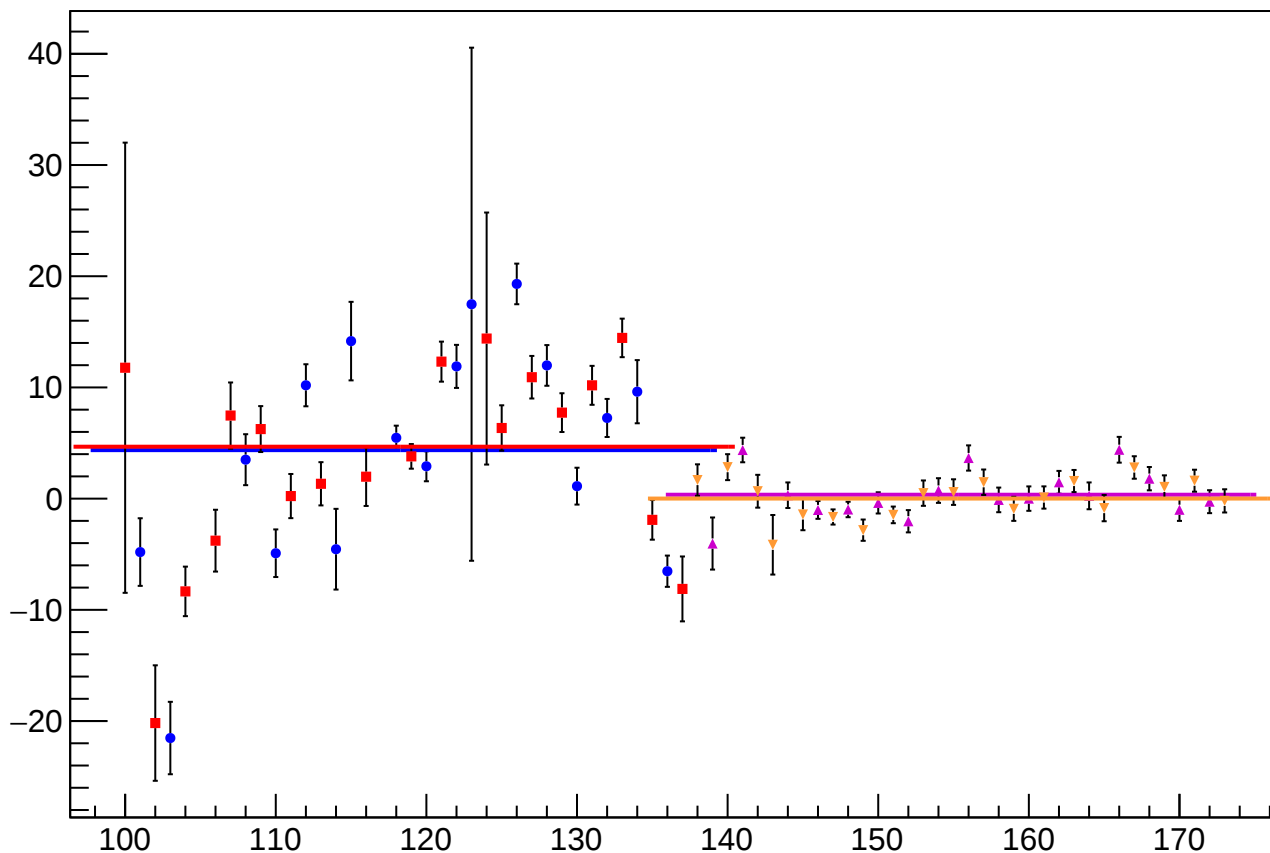
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.834+/-0.339 χ^2/NDF : 2512.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -10.827+/-0.343 χ^2/NDF : 774.0/16

Left: -9.818+/-0.241 χ^2/NDF : 3303.9/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -10.827+/-0.343 χ^2/NDF : 774.0/16
 Out: -8.834+/-0.339 χ^2/NDF : 2512.7/18
 All: -9.818+/-0.241 χ^2/NDF : 3303.9/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.361 ± 0.464 $\chi^2/\text{NDF}: 286.5/16$

Left Out: 0.007 ± 0.242 $\chi^2/\text{NDF}: 46.6/18$

Right Out: 4.670 ± 0.474 $\chi^2/\text{NDF}: 185.4/18$

Left In: 0.351 ± 0.250 $\chi^2/\text{NDF}: 55.9/16$

Left: 0.173 ± 0.174 $\chi^2/\text{NDF}: 103.5/35$

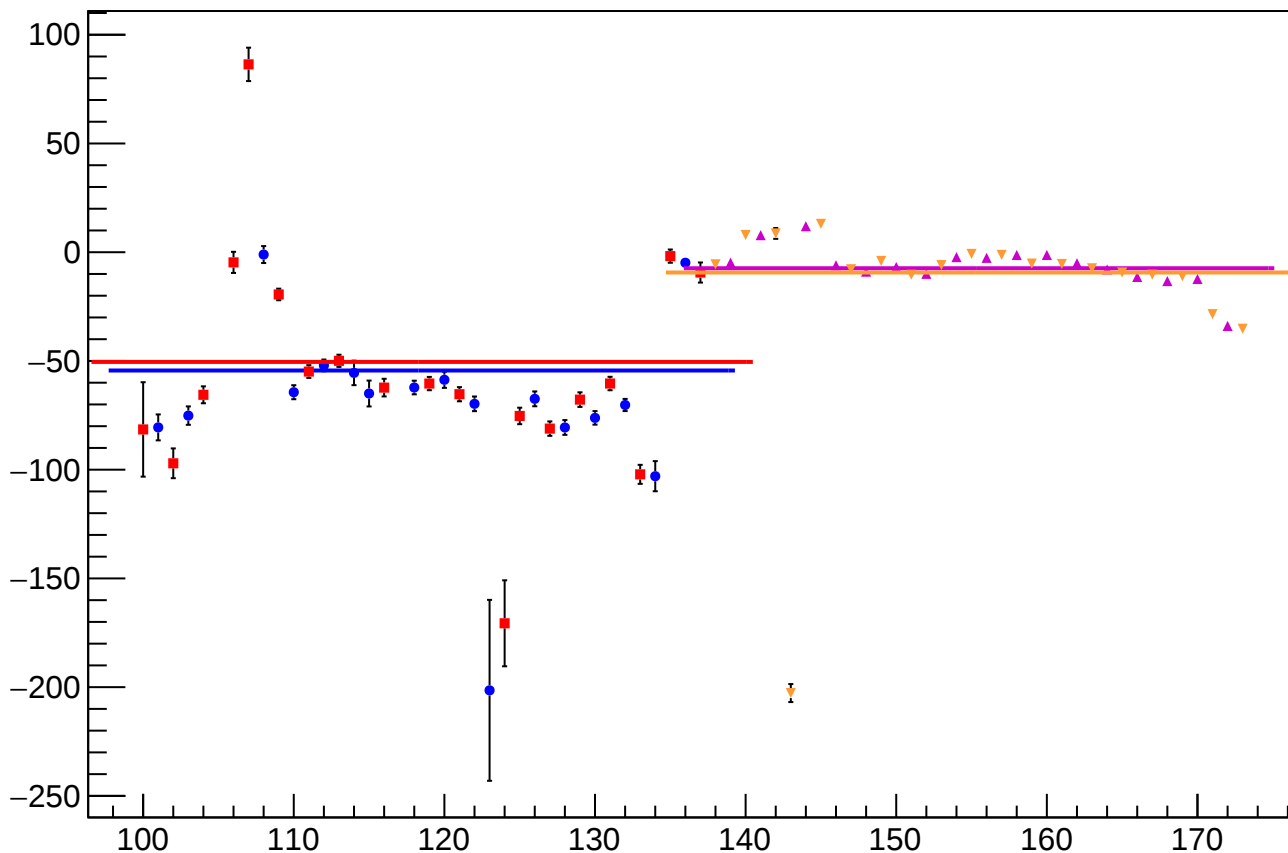
Right: 4.512 ± 0.332 $\chi^2/\text{NDF}: 472.1/35$

In: 1.254 ± 0.220 $\chi^2/\text{NDF}: 400.2/33$

Out: 0.971 ± 0.216 $\chi^2/\text{NDF}: 308.7/37$

All: 1.109 ± 0.154 $\chi^2/\text{NDF}: 709.8/71$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.392 $\pm$ 0.863 χ^2 /NDF: 1013.4/16

Left Out: -9.329 $\pm$ 0.334 χ^2 /NDF:3197.4/18

Right Out: -50.441 $\pm$ 0.857 χ^2 /NDF: 1324.7/18

Left In: -7.369 $\pm$ 0.337 χ^2 /NDF:703.7/16

Left: -8.357 $\pm$ 0.237 χ^2 /NDF: 3918.1/35

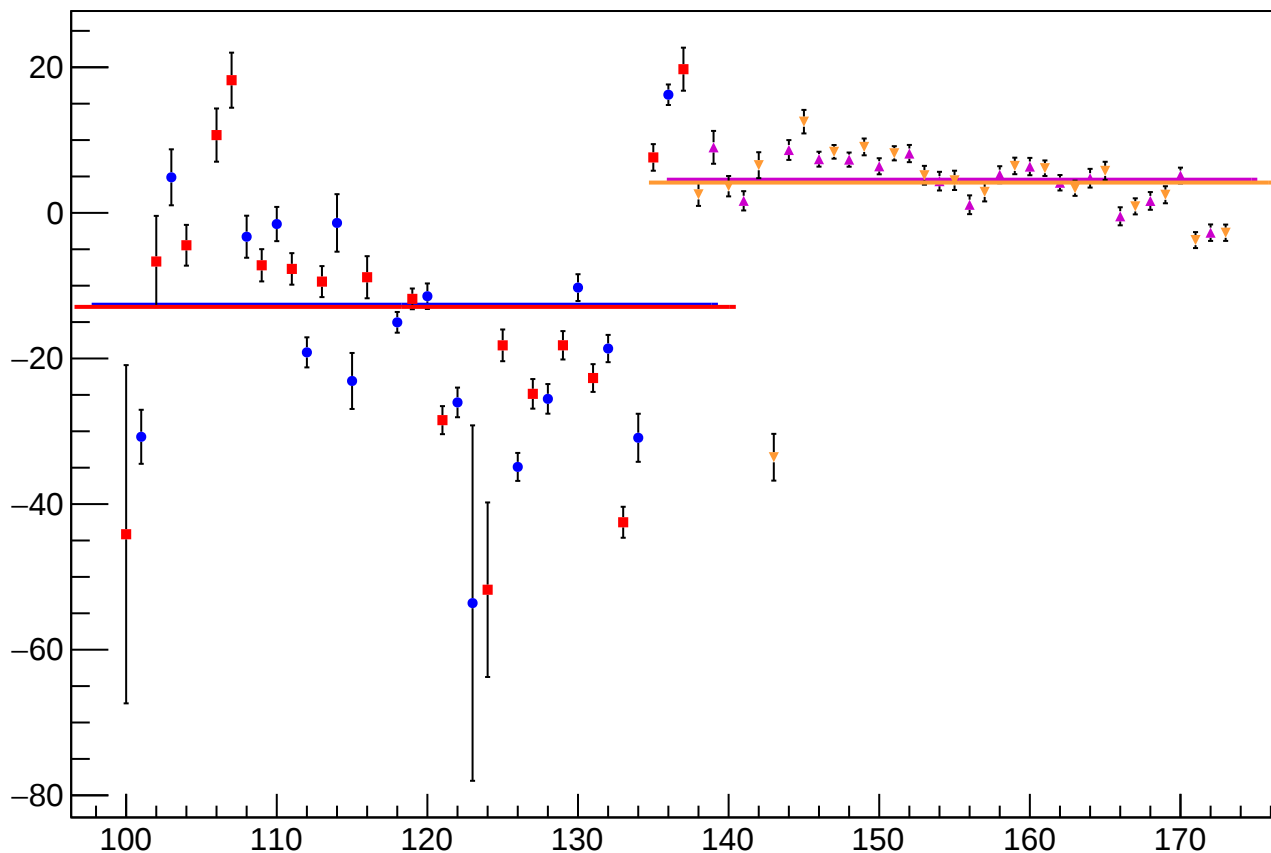
Right: -52.405 $\pm$ 0.608 χ^2 /NDF: 2348.7/35

In: -13.597 $\pm$ 0.314 χ^2 /NDF:4295.7/33

Out: -14.750 $\pm$ 0.311 χ^2 /NDF:6518.1/37

All: -14.178 $\pm$ 0.221 χ^2 /NDF: 10820.6/71

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.616 ± 0.530 χ^2/NDF : 788.2/16

Left Out: 4.163 ± 0.280 χ^2/NDF : 334.7/18

Right Out: -12.912 ± 0.538 χ^2/NDF : 730.2/18

Left In: 4.558 ± 0.289 χ^2/NDF : 119.0/16

Left: 4.354 ± 0.201 χ^2/NDF : 454.6/35

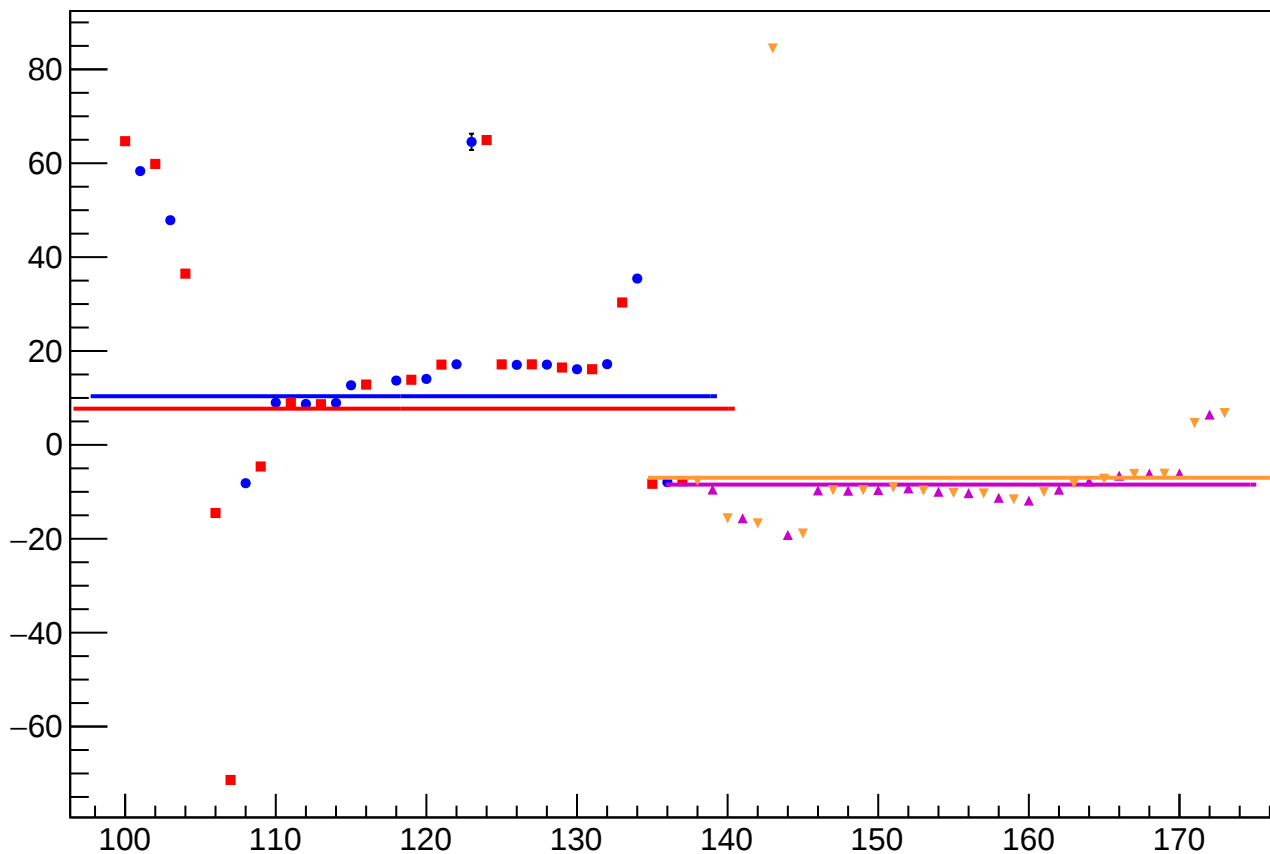
Right: -12.762 ± 0.378 χ^2/NDF : 1518.6/35

In: 0.617 ± 0.254 χ^2/NDF : 1715.7/33

Out: 0.530 ± 0.248 χ^2/NDF : 1857.3/37

All: 0.573 ± 0.178 χ^2/NDF : 3573.1/71

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.366 ± 0.031 χ^2/NDF : 381003.5/16

Left Out: -7.005 ± 0.013 χ^2/NDF : 527001.8/18

Right Out: 7.719 ± 0.031 χ^2/NDF : 545085.7/18

Left In: -8.460 ± 0.013 χ^2/NDF : 144489.1/16

Left: -7.723 ± 0.009 χ^2/NDF : 677745.5/35

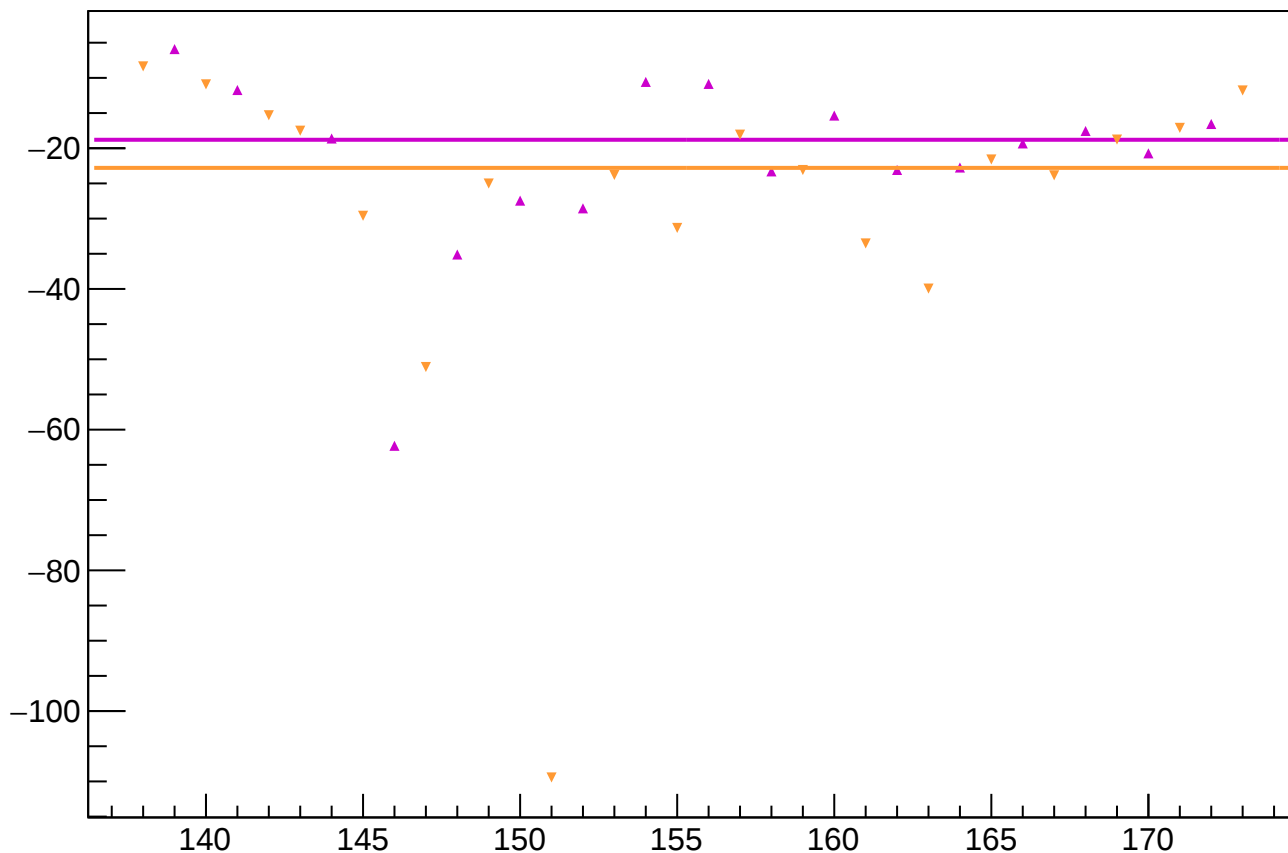
Right: 9.073 ± 0.022 χ^2/NDF : 929756.2/35

In: -5.538 ± 0.012 χ^2/NDF : 846567.3/33

Out: -4.855 ± 0.012 χ^2/NDF : 1261609.7/37

All: -5.194 ± 0.008 χ^2/NDF : 2109799.4/71

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.792 $\pm$ 0.054 χ^2 /NDF:62475.0/18

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

Left In: -18.797 $\pm$ 0.049 χ^2 /NDF:38148.0/16

Left: -20.612 $\pm$ 0.036 χ^2 /NDF: 103657.0/35

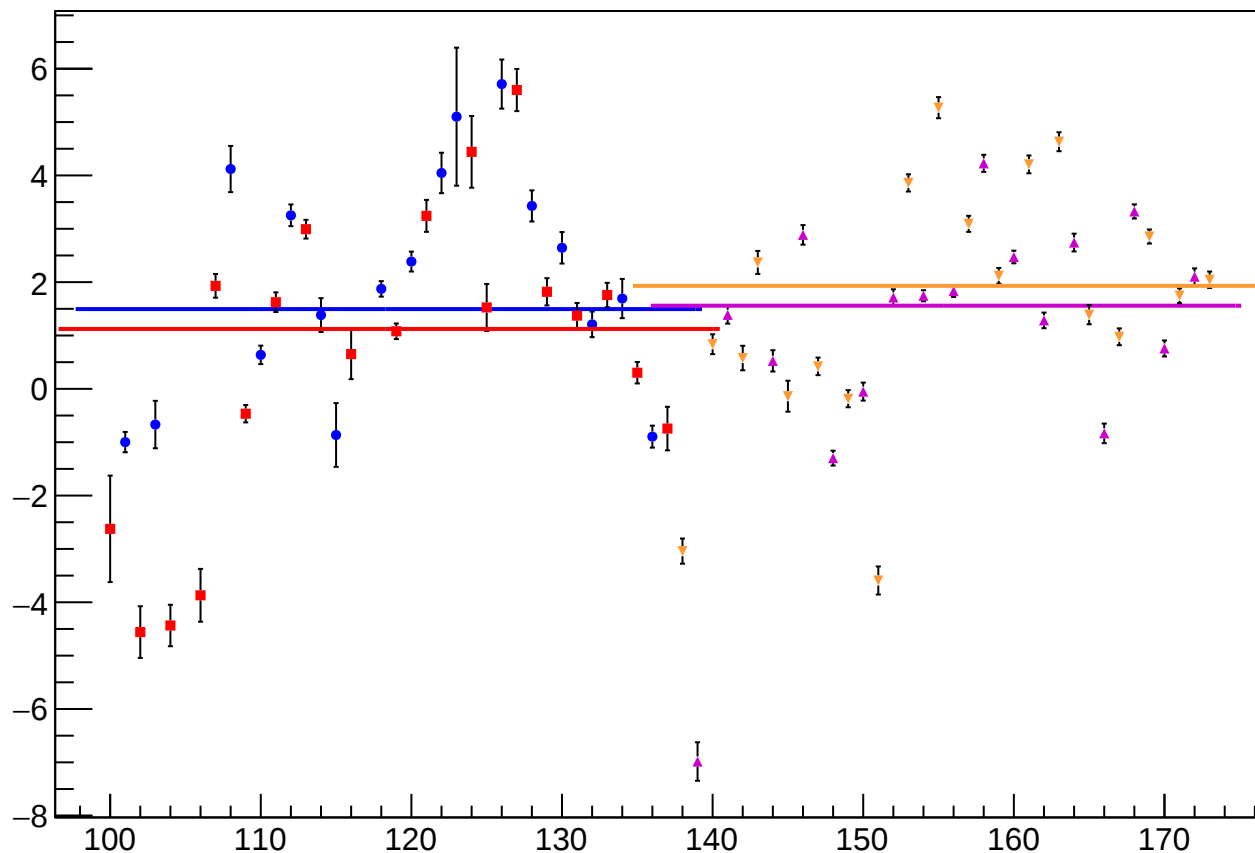
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -18.797 $\pm$ 0.049 χ^2 /NDF:38148.0/16

Out: -22.792 $\pm$ 0.054 χ^2 /NDF:62475.0/18

All: -20.612 $\pm$ 0.036 χ^2 /NDF: 103657.0/35

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.495 $\pm$ 0.061 χ^2/NDF : 708.8/16

Left Out: 1.930 $\pm$ 0.040 χ^2/NDF :2270.3/18

Right Out: 1.123 $\pm$ 0.058 χ^2/NDF : 946.5/18

Left In: 1.559 $\pm$ 0.036 χ^2/NDF :1937.5/16

Left: 1.726 $\pm$ 0.027 χ^2/NDF : 4255.7/35

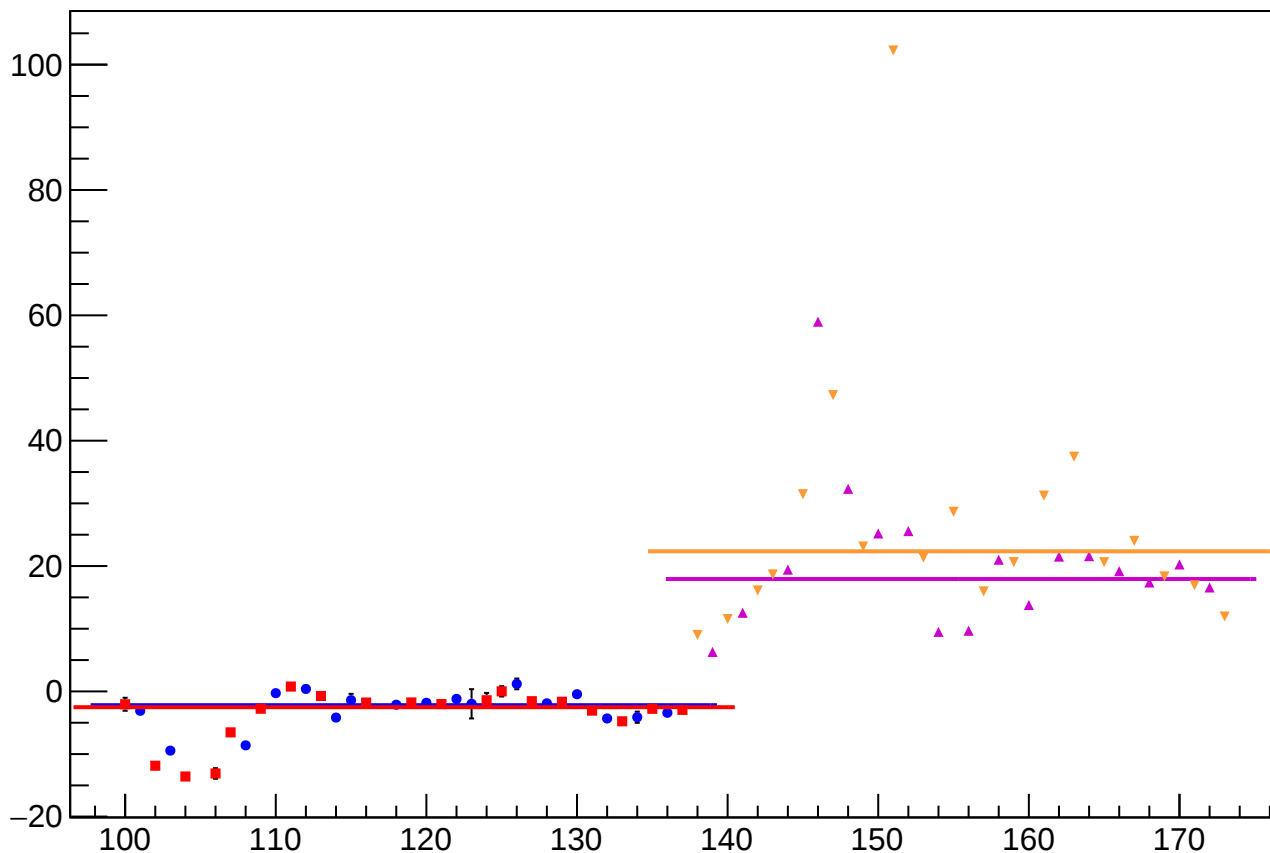
Right: 1.300 $\pm$ 0.042 χ^2/NDF : 1674.8/35

In: 1.542 $\pm$ 0.031 χ^2/NDF :2647.1/33

Out: 1.673 $\pm$ 0.033 χ^2/NDF :3348.0/37

All: 1.604 $\pm$ 0.023 χ^2/NDF : 6003.4/71

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.200 ± 0.111 χ^2/NDF : 461.0/16

Left Out: 22.351 ± 0.053 χ^2/NDF : 55670.9/18

Right Out: -2.520 ± 0.099 χ^2/NDF : 903.3/18

Left In: 17.935 ± 0.048 χ^2/NDF : 35940.8/16

Left: 19.905 ± 0.035 χ^2/NDF : 95449.6/35

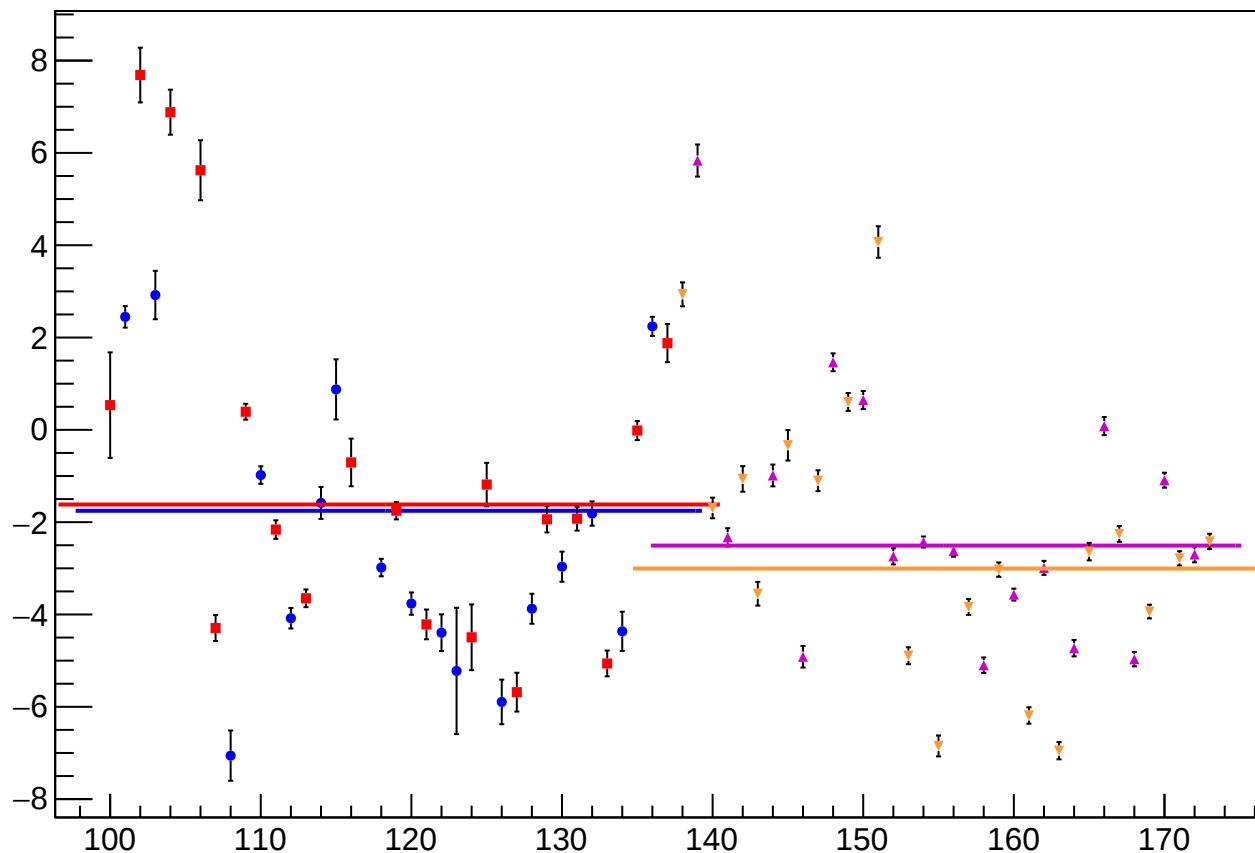
Right: -2.378 ± 0.074 χ^2/NDF : 1368.9/35

In: 14.785 ± 0.044 χ^2/NDF : 64367.5/33

Out: 16.798 ± 0.047 χ^2/NDF : 105644.8/37

All: 15.725 ± 0.032 χ^2/NDF : 171000.8/71

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.753 ± 0.070 χ^2/NDF : 1345.0/16

Left Out: -3.004 ± 0.045 χ^2/NDF : 2784.6/18

Right Out: -1.617 ± 0.066 χ^2/NDF : 1487.5/18

Left In: -2.508 ± 0.041 χ^2/NDF : 2381.0/16

Left: -2.732 ± 0.030 χ^2/NDF : 5232.6/35

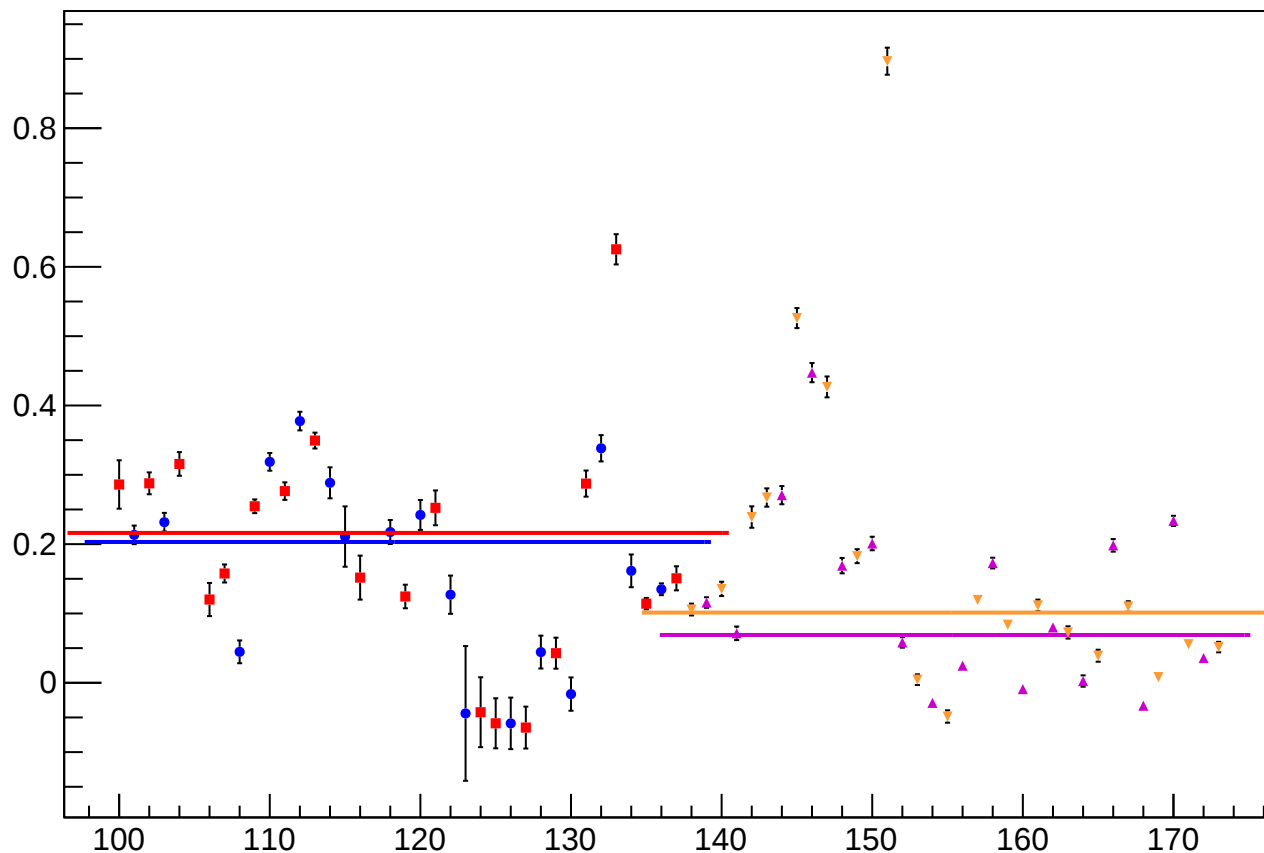
Right: -1.681 ± 0.048 χ^2/NDF : 2834.6/35

In: -2.318 ± 0.035 χ^2/NDF : 3812.2/33

Out: -2.562 ± 0.037 χ^2/NDF : 4575.6/37

All: -2.434 ± 0.026 χ^2/NDF : 8410.7/71

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203+/-0.004 χ^2/NDF : 677.2/16

Left Out: 0.101+/-0.002 χ^2/NDF : 4101.0/18

Right Out: 0.216+/-0.004 χ^2/NDF : 1067.3/18

Left In: 0.069+/-0.002 χ^2/NDF : 3208.0/16

Left: 0.083+/-0.001 χ^2/NDF : 7454.3/35

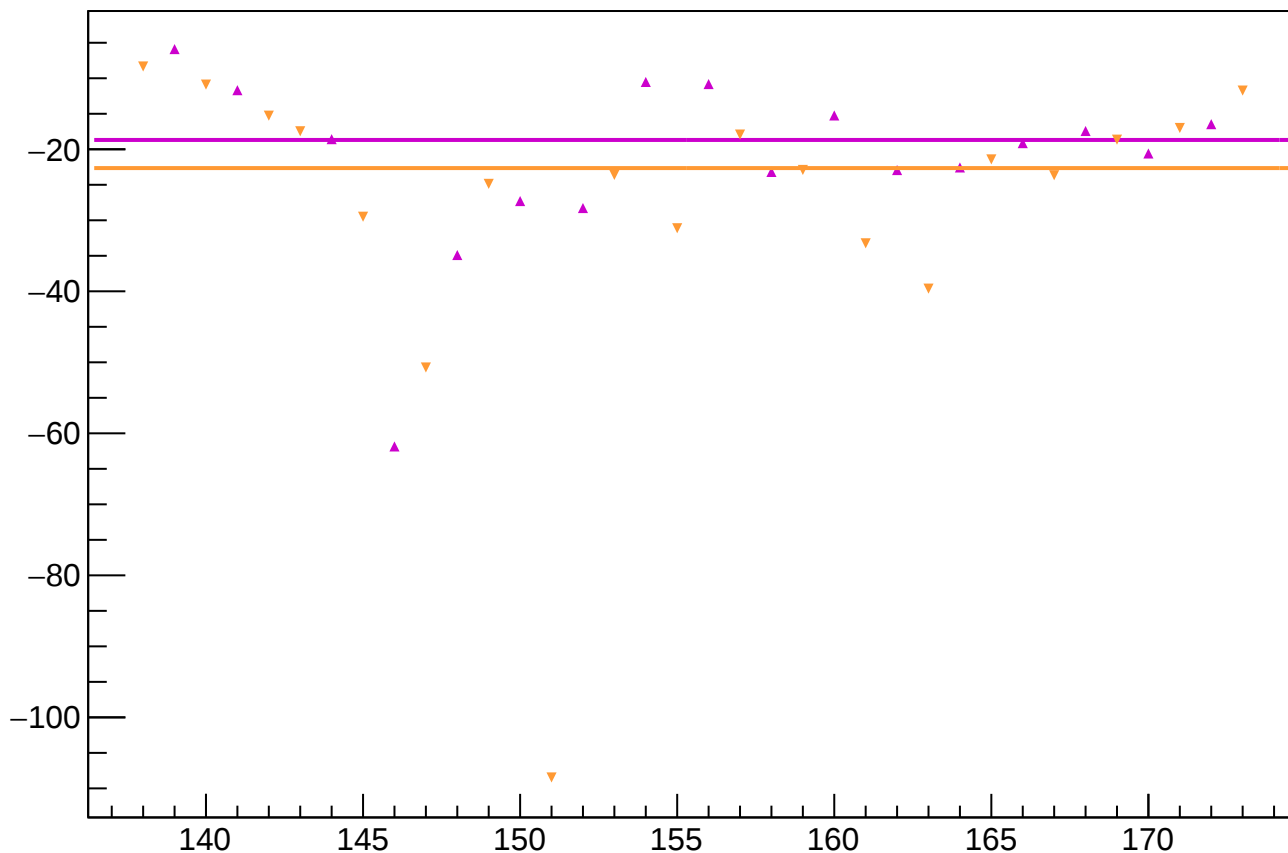
Right: 0.210+/-0.003 χ^2/NDF : 1750.0/35

In: 0.090+/-0.002 χ^2/NDF : 4775.3/33

Out: 0.128+/-0.002 χ^2/NDF : 5914.9/37

All: 0.107+/-0.001 χ^2/NDF : 10936.8/71

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.648+/-0.053 χ^2/NDF :62287.8/18

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

Left In: -18.687+/-0.049 χ^2/NDF :38060.1/16

Left: -20.487+/-0.036 χ^2/NDF : 103370.2/35

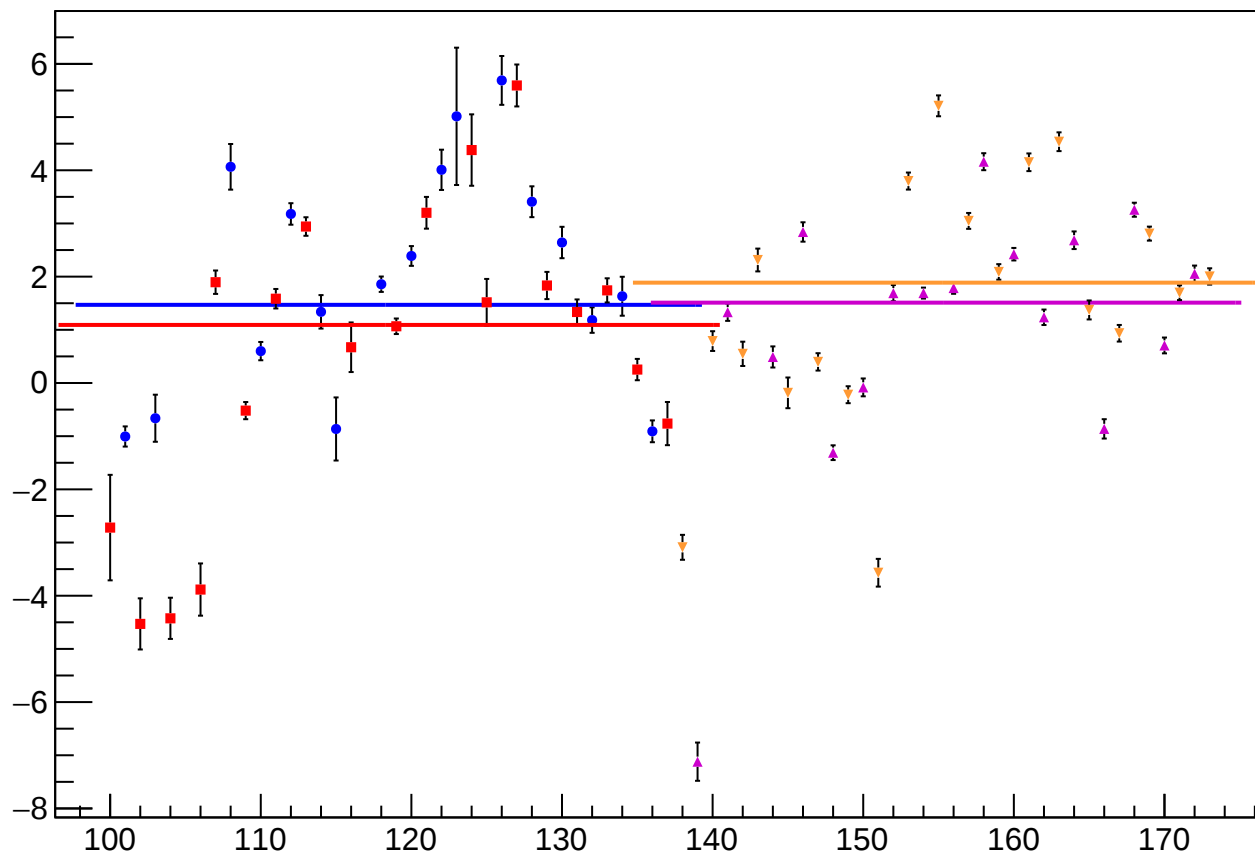
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.687+/-0.049 χ^2/NDF :38060.1/16

Out: -22.648+/-0.053 χ^2/NDF :62287.8/18

All: -20.487+/-0.036 χ^2/NDF : 103370.2/35

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.470 $\pm$ 0.061 χ^2/NDF : 707.9/16

Left Out: 1.887 $\pm$ 0.040 χ^2/NDF : 2269.9/18

Right Out: 1.092 $\pm$ 0.058 χ^2/NDF : 952.1/18

Left In: 1.511 $\pm$ 0.036 χ^2/NDF : 1948.7/16

Left: 1.680 $\pm$ 0.027 χ^2/NDF : 4268.4/35

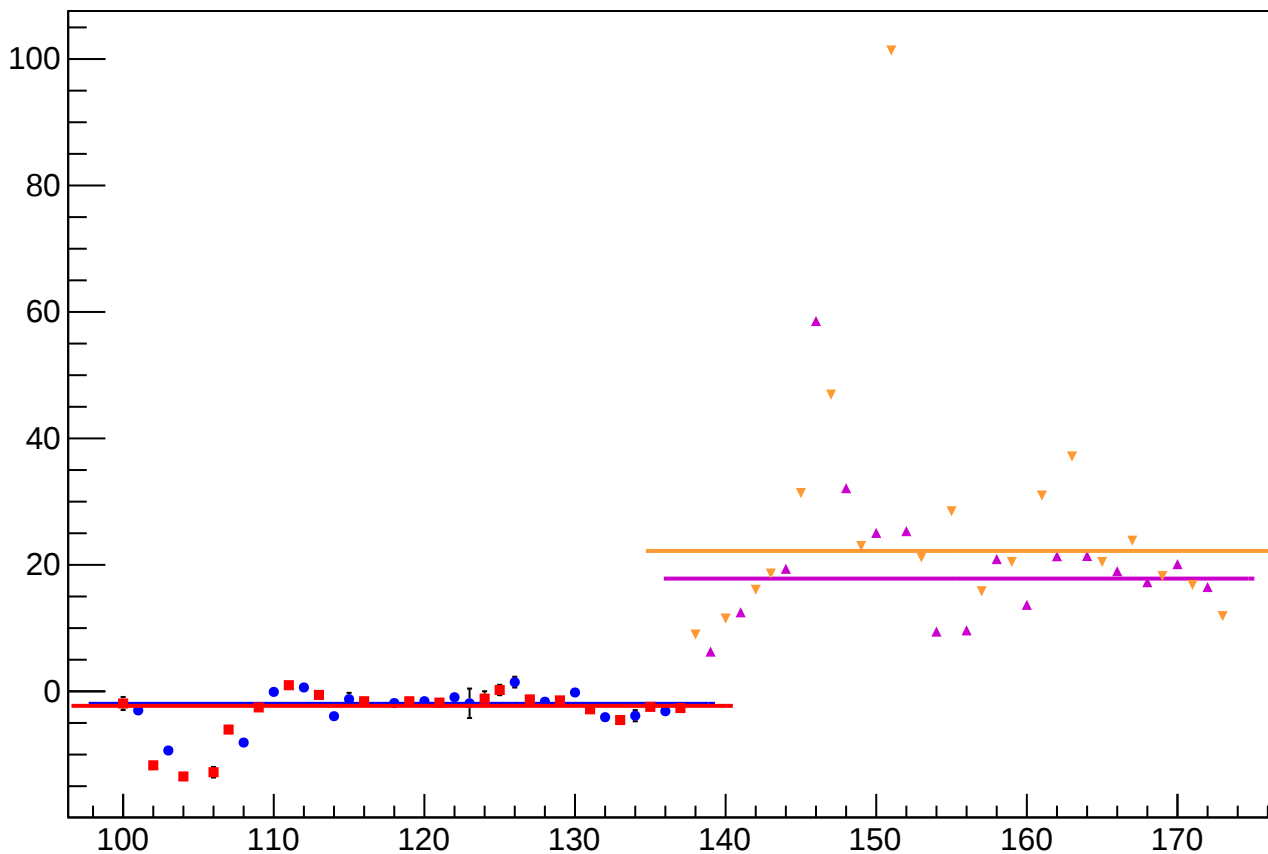
Right: 1.272 $\pm$ 0.042 χ^2/NDF : 1680.2/35

In: 1.500 $\pm$ 0.031 χ^2/NDF : 2656.9/33

Out: 1.634 $\pm$ 0.033 χ^2/NDF : 3350.5/37

All: 1.563 $\pm$ 0.022 χ^2/NDF : 6016.3/71

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.977 ± 0.110 χ^2/NDF : 463.8/16

Left Out: 22.208 ± 0.053 χ^2/NDF : 55523.9/18

Right Out: -2.294 ± 0.098 χ^2/NDF : 906.6/18

Left In: 17.830 ± 0.047 χ^2/NDF : 35864.7/16

Left: 19.784 ± 0.035 χ^2/NDF : 95209.6/35

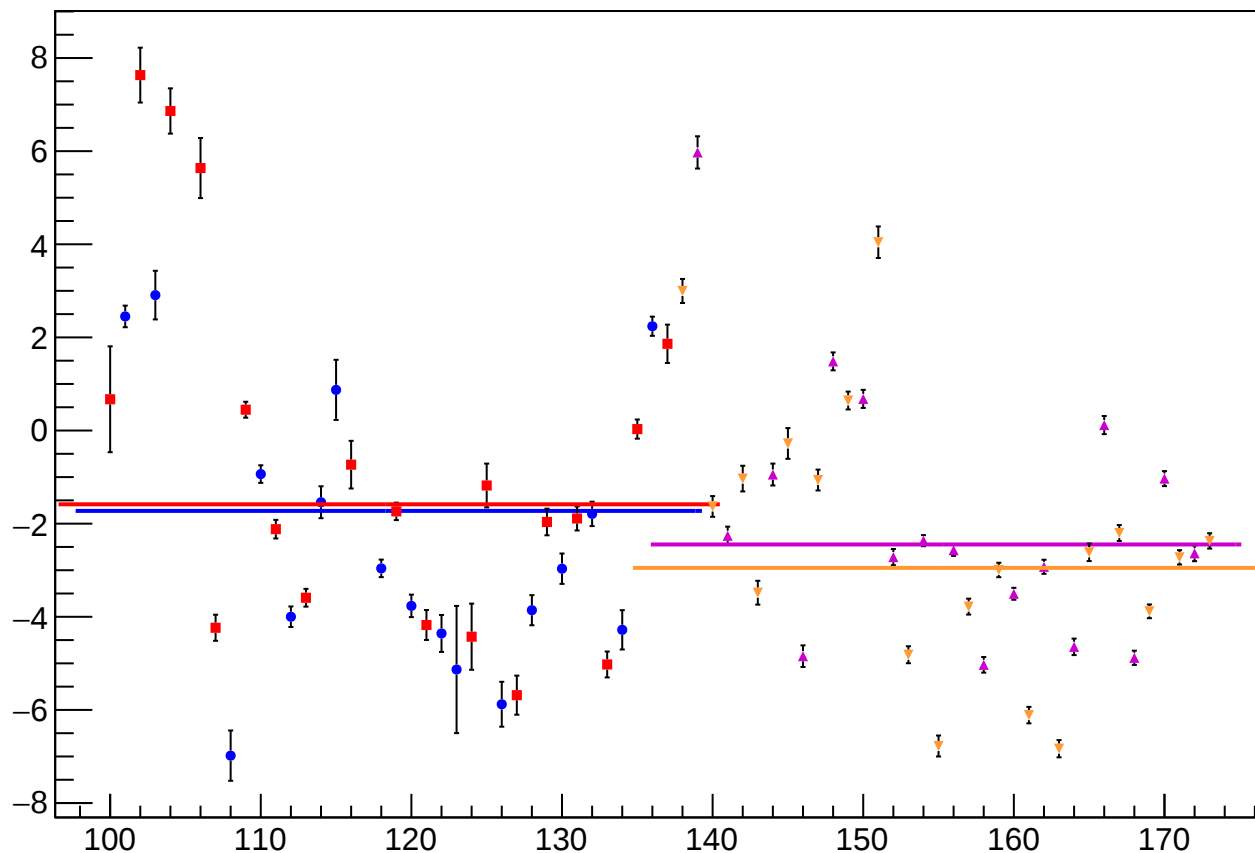
Right: -2.153 ± 0.073 χ^2/NDF : 1375.0/35

In: 14.739 ± 0.043 χ^2/NDF : 63670.5/33

Out: 16.748 ± 0.046 χ^2/NDF : 104591.5/37

All: 15.677 ± 0.032 χ^2/NDF : 169259.5/71

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.726 ± 0.070 χ^2/NDF : 1341.5/16

Left Out: -2.950 ± 0.045 χ^2/NDF : 2782.8/18

Right Out: -1.584 ± 0.065 χ^2/NDF : 1492.8/18

Left In: -2.447 ± 0.041 χ^2/NDF : 2392.9/16

Left: -2.674 ± 0.030 χ^2/NDF : 5245.2/35

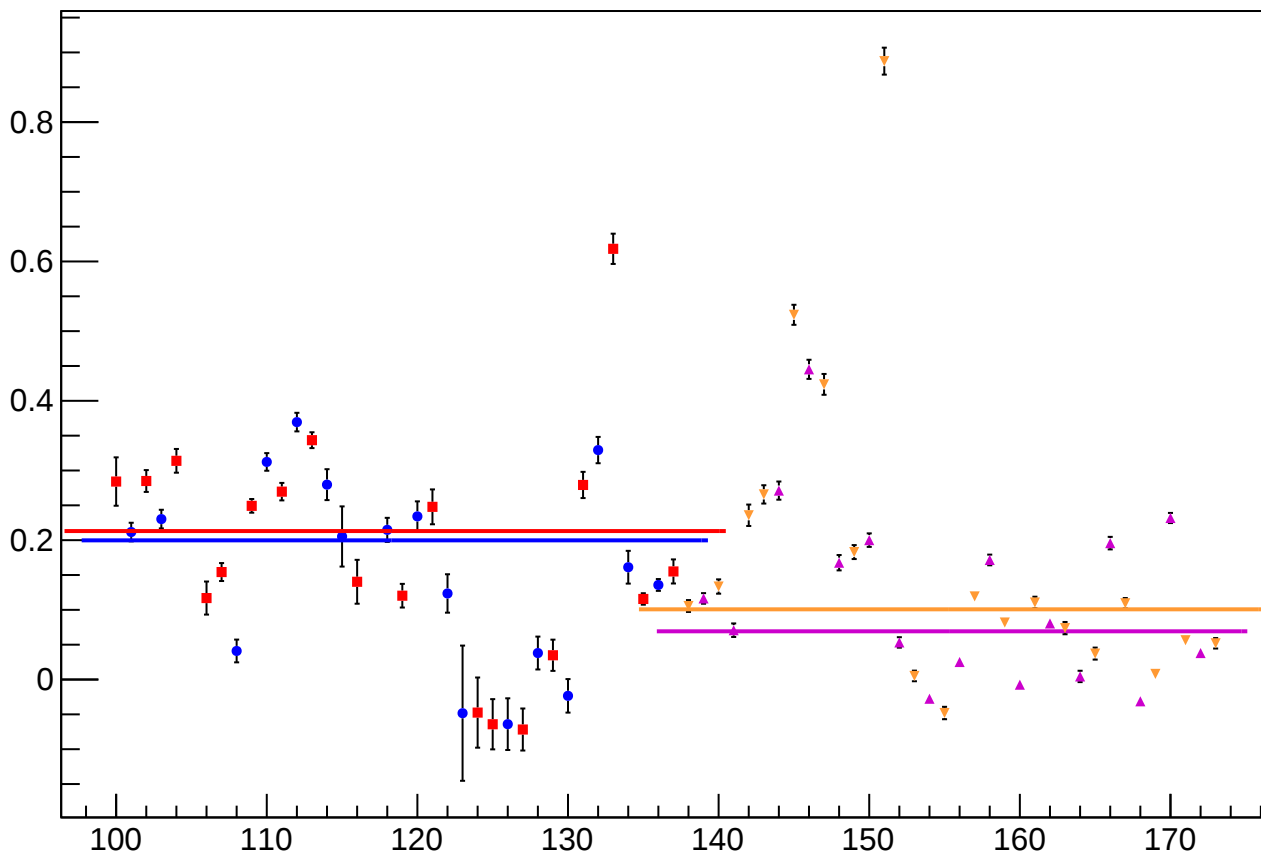
Right: -1.650 ± 0.048 χ^2/NDF : 2836.5/35

In: -2.266 ± 0.035 χ^2/NDF : 3813.9/33

Out: -2.516 ± 0.037 χ^2/NDF : 4572.8/37

All: -2.385 ± 0.025 χ^2/NDF : 8410.8/71

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.200 $\pm$ 0.004 χ^2 /NDF: 662.5/16

Left Out: 0.101 $\pm$ 0.002 χ^2 /NDF: 4092.1/18

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1050.9/18

Left In: 0.069 $\pm$ 0.002 χ^2 /NDF: 3181.6/16

Left: 0.083 $\pm$ 0.001 χ^2 /NDF: 7413.8/35

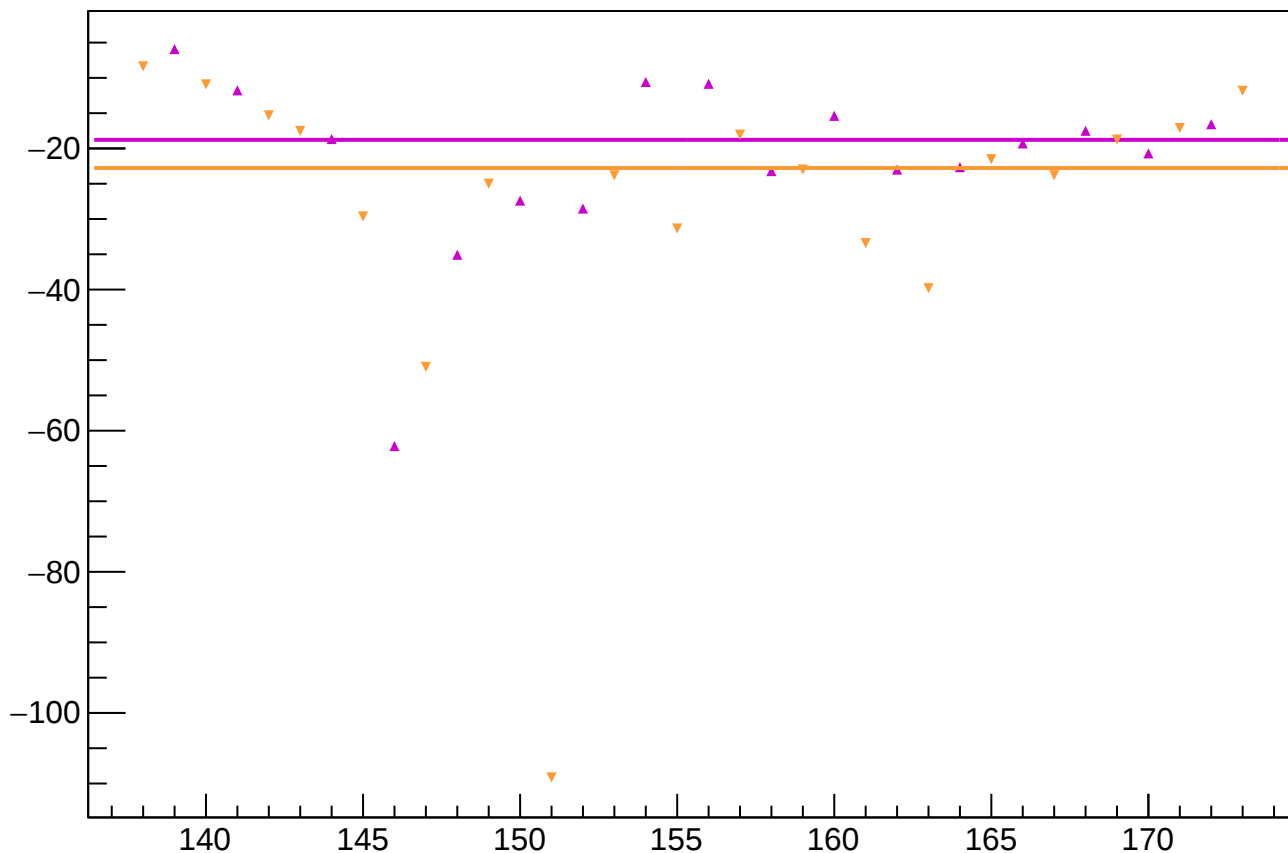
Right: 0.207 $\pm$ 0.003 χ^2 /NDF: 1719.2/35

In: 0.089 $\pm$ 0.002 χ^2 /NDF: 4695.2/33

Out: 0.126 $\pm$ 0.002 χ^2 /NDF: 5864.0/37

All: 0.106 $\pm$ 0.001 χ^2 /NDF: 10798.0/71

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.772+/-0.053 χ^2/NDF :62401.0/18

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

Left In: -18.780+/-0.049 χ^2/NDF :38119.1/16

Left: -20.593+/-0.036 χ^2/NDF : 103565.7/35

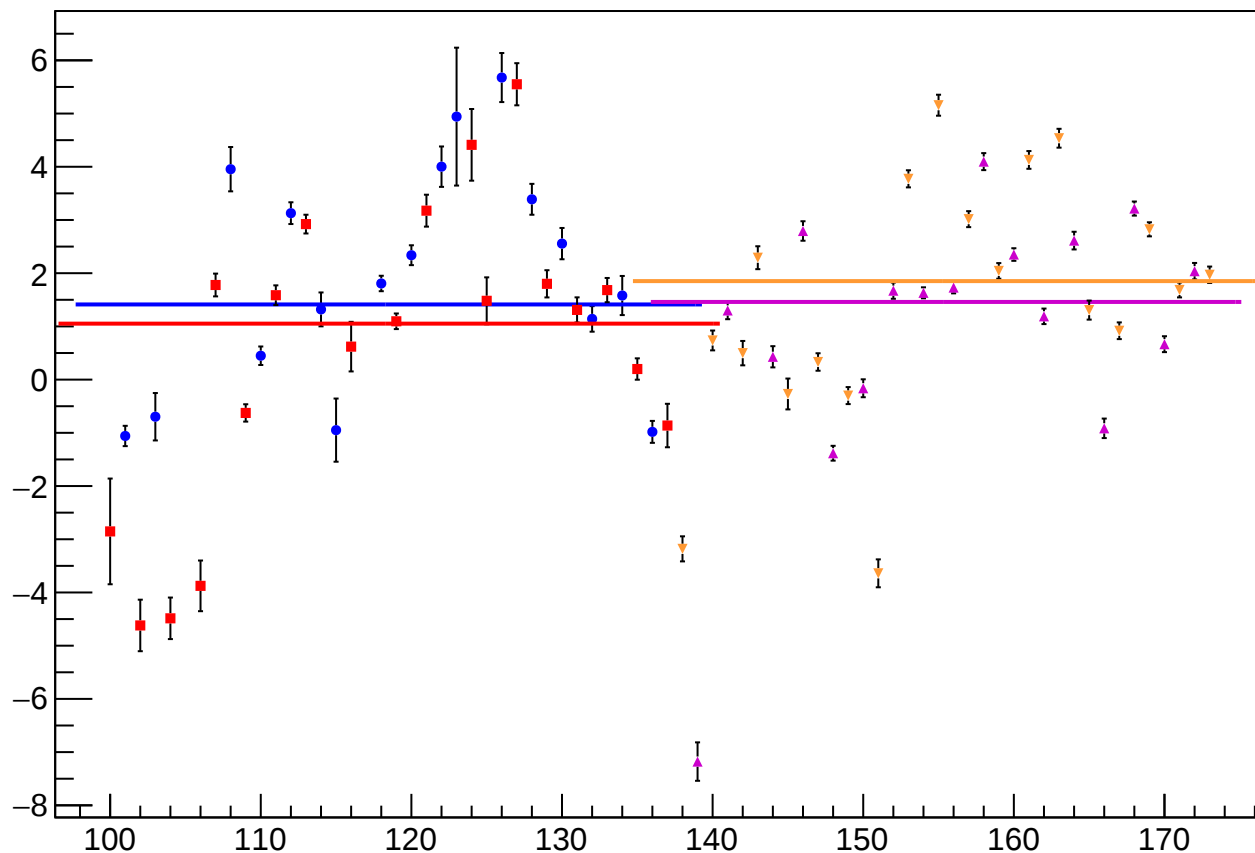
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.780+/-0.049 χ^2/NDF :38119.1/16

Out: -22.772+/-0.053 χ^2/NDF :62401.0/18

All: -20.593+/-0.036 χ^2/NDF : 103565.7/35

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.413 $\pm$ 0.061 χ^2/NDF : 713.9/16

Left Out: 1.851 $\pm$ 0.040 χ^2/NDF :2292.2/18

Right Out: 1.052 $\pm$ 0.058 χ^2/NDF : 963.3/18

Left In: 1.460 $\pm$ 0.036 χ^2/NDF :1939.6/16

Left: 1.636 $\pm$ 0.027 χ^2/NDF : 4285.3/35

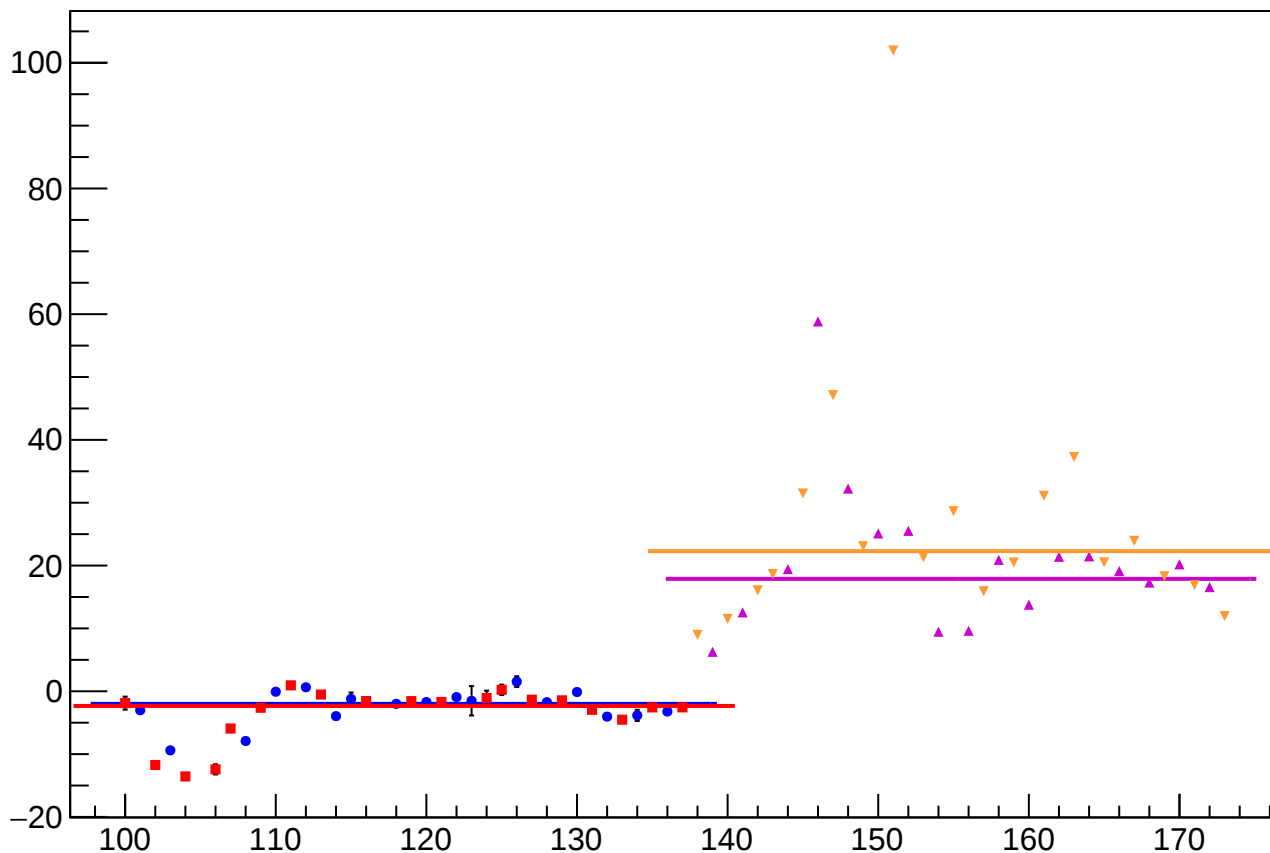
Right: 1.223 $\pm$ 0.042 χ^2/NDF : 1695.5/35

In: 1.448 $\pm$ 0.031 χ^2/NDF :2654.0/33

Out: 1.597 $\pm$ 0.033 χ^2/NDF :3384.6/37

All: 1.518 $\pm$ 0.023 χ^2/NDF : 6049.6/71

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.006 ± 0.111 χ^2/NDF : 463.3/16

Left Out: 22.297 ± 0.053 χ^2/NDF : 55621.4/18

Right Out: -2.336 ± 0.099 χ^2/NDF : 901.2/18

Left In: 17.883 ± 0.047 χ^2/NDF : 35935.1/16

Left: 19.852 ± 0.035 χ^2/NDF : 95409.5/35

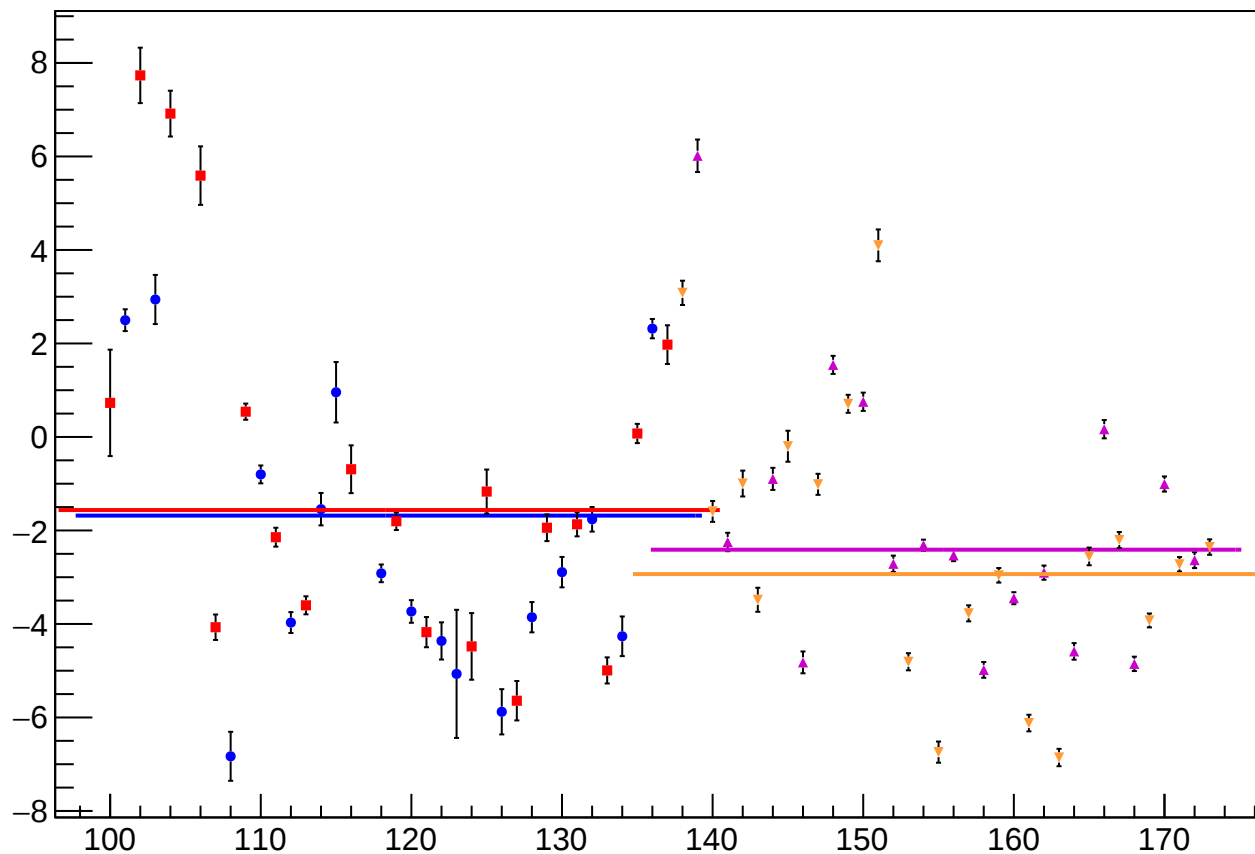
Right: -2.190 ± 0.074 χ^2/NDF : 1369.4/35

In: 14.788 ± 0.044 χ^2/NDF : 63693.5/33

Out: 16.815 ± 0.047 χ^2/NDF : 104740.8/37

All: 15.733 ± 0.032 χ^2/NDF : 169440.8/71

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.682 ± 0.070 $\chi^2/\text{NDF}: 1347.8/16$

Left Out: -2.933 ± 0.045 $\chi^2/\text{NDF}: 2811.1/18$

Right Out: -1.563 ± 0.066 $\chi^2/\text{NDF}: 1504.7/18$

Left In: -2.411 ± 0.041 $\chi^2/\text{NDF}: 2382.7/16$

Left: -2.647 ± 0.030 $\chi^2/\text{NDF}: 5268.2/35$

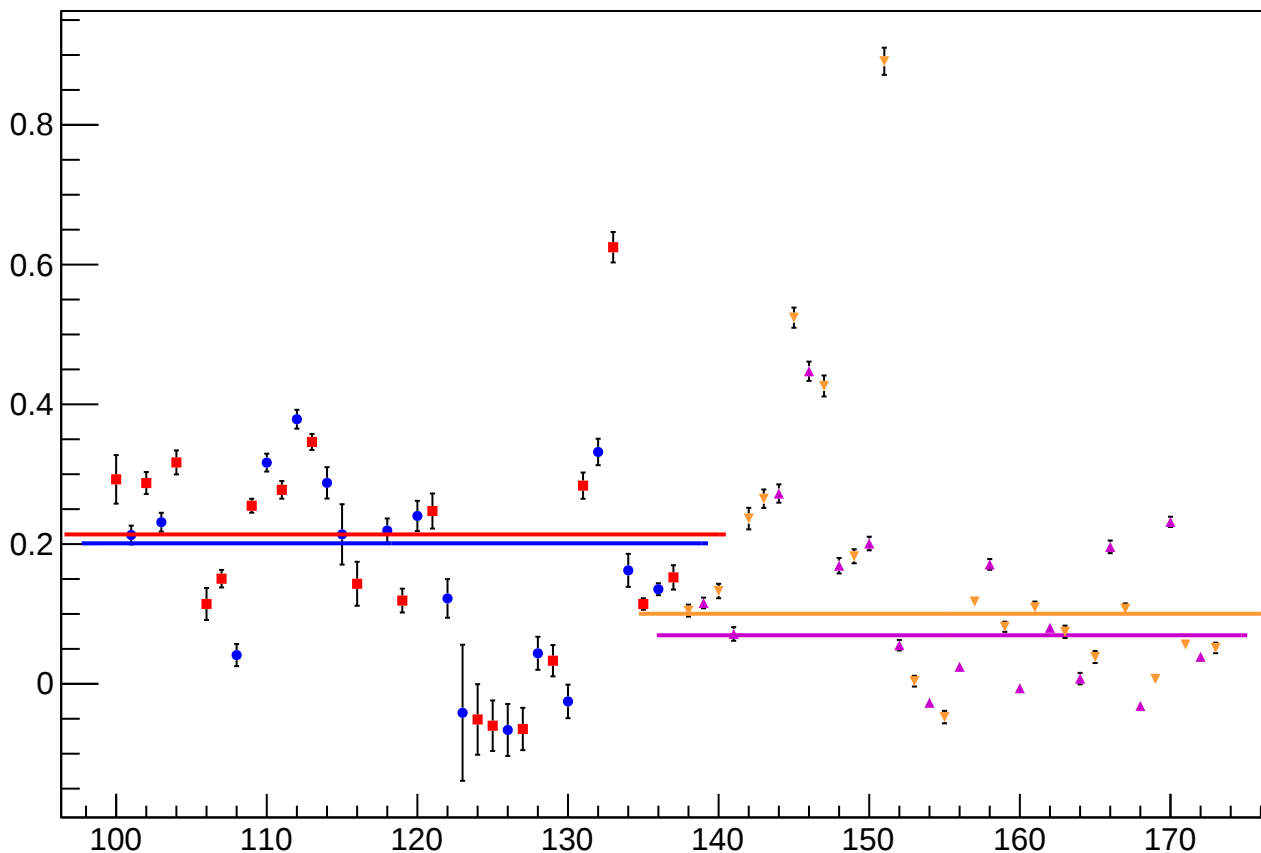
Right: -1.619 ± 0.048 $\chi^2/\text{NDF}: 2854.1/35$

In: -2.228 ± 0.035 $\chi^2/\text{NDF}: 3811.2/33$

Out: -2.498 ± 0.037 $\chi^2/\text{NDF}: 4612.9/37$

All: -2.356 ± 0.026 $\chi^2/\text{NDF}: 8451.8/71$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 691.3/16

Left Out: 0.100 $\pm$ 0.002 χ^2 /NDF: 4079.6/18

Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1083.1/18

Left In: 0.070 $\pm$ 0.002 χ^2 /NDF: 3159.9/16

Left: 0.083 $\pm$ 0.001 χ^2 /NDF: 7371.7/35

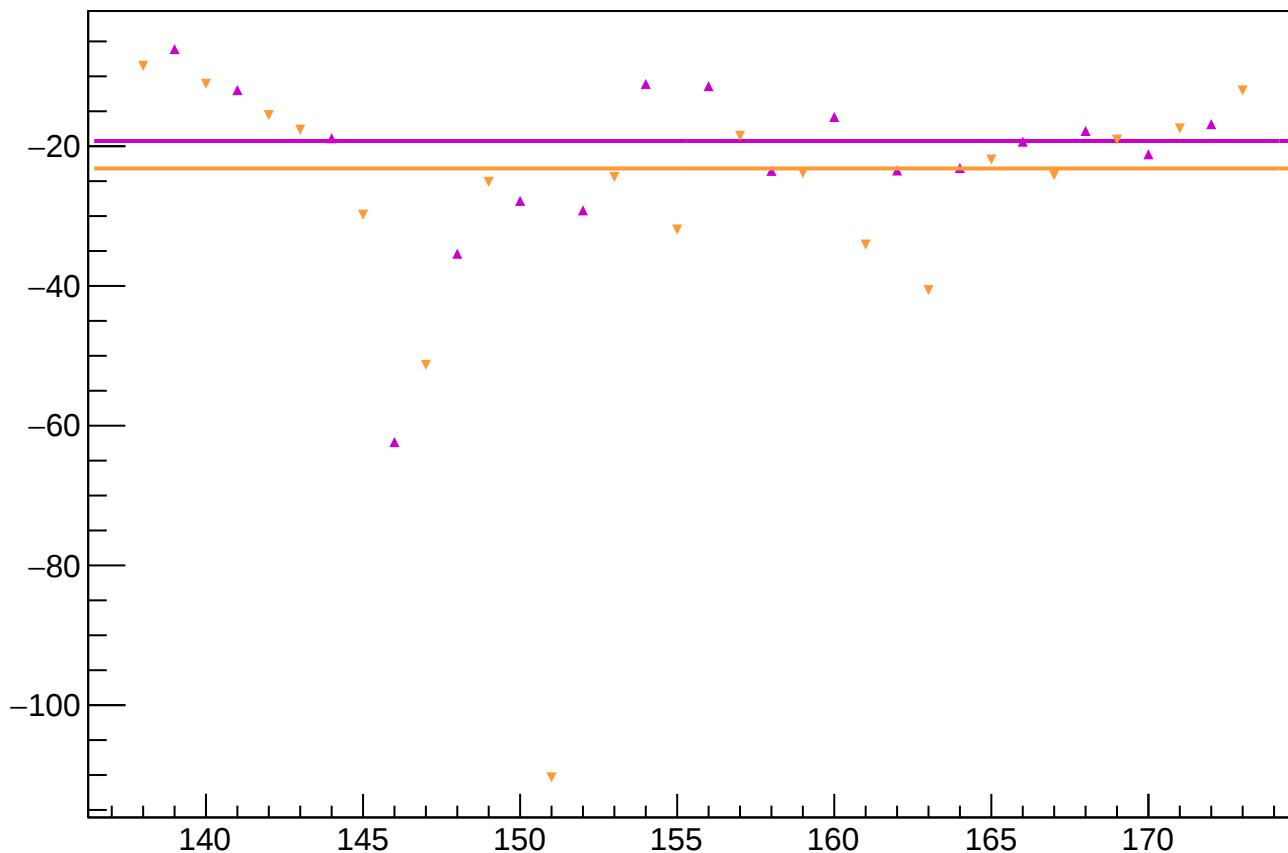
Right: 0.208 $\pm$ 0.003 χ^2 /NDF: 1779.7/35

In: 0.090 $\pm$ 0.002 χ^2 /NDF: 4709.8/33

Out: 0.126 $\pm$ 0.002 χ^2 /NDF: 5896.0/37

All: 0.107 $\pm$ 0.001 χ^2 /NDF: 10835.6/71

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.186+/-0.054 χ^2/NDF :62257.2/18

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

Left In: -19.252+/-0.050 χ^2/NDF :37024.2/16

Left: -21.047+/-0.037 χ^2/NDF : 102113.5/35

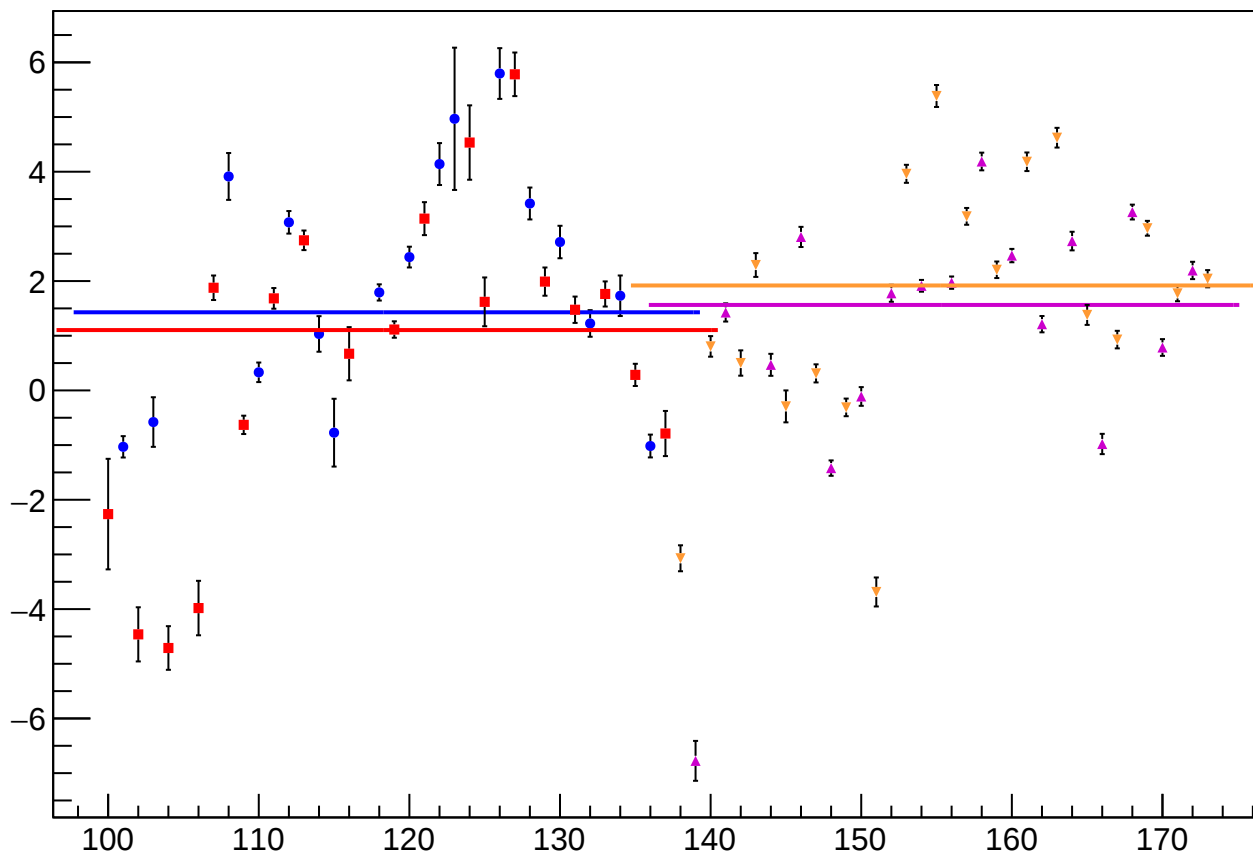
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.252+/-0.050 χ^2/NDF :37024.2/16

Out: -23.186+/-0.054 χ^2/NDF :62257.2/18

All: -21.047+/-0.037 χ^2/NDF : 102113.5/35

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.429 ± 0.062 χ^2/NDF : 711.4/16

Left Out: 1.919 ± 0.040 χ^2/NDF : 2338.1/18

Right Out: 1.104 ± 0.059 χ^2/NDF : 936.5/18

Left In: 1.563 ± 0.037 χ^2/NDF : 1925.1/16

Left: 1.725 ± 0.027 χ^2/NDF : 4305.6/35

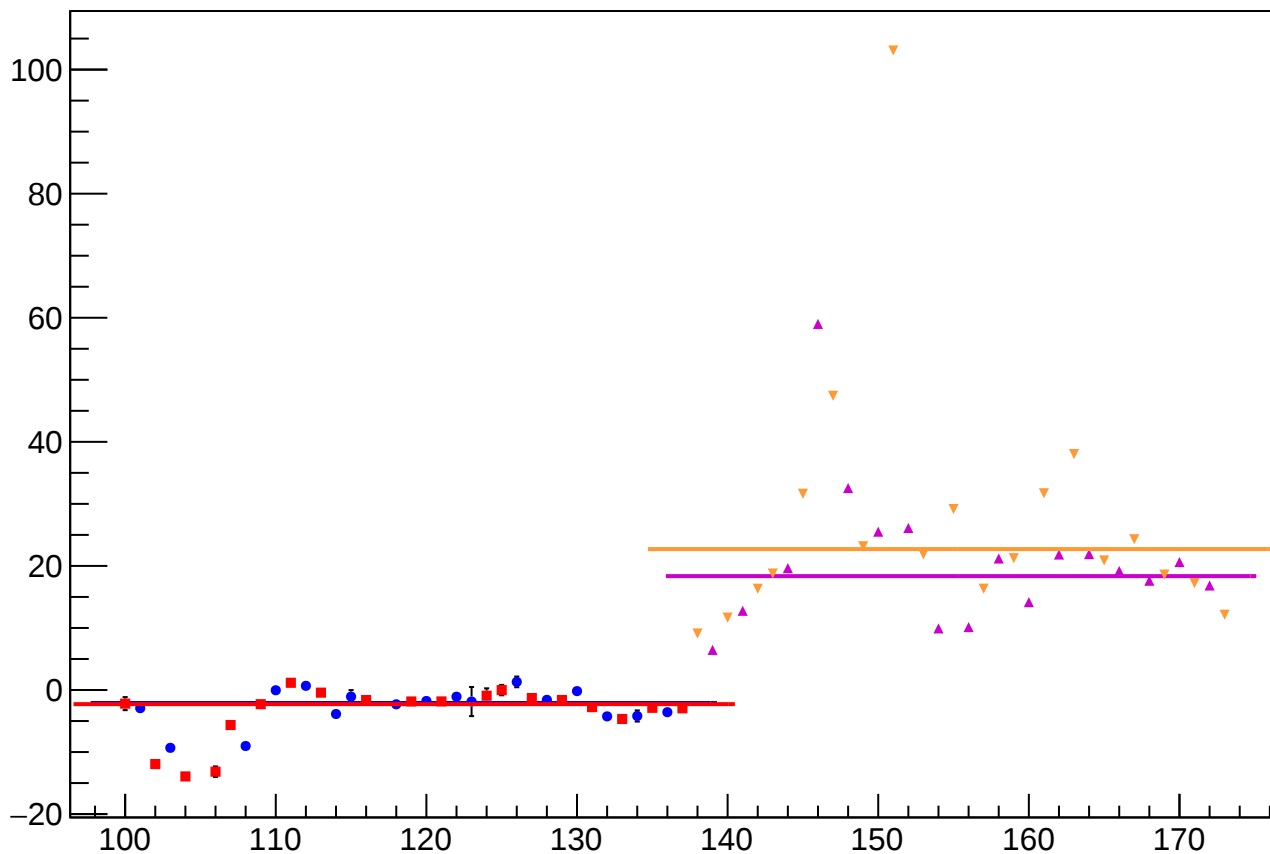
Right: 1.259 ± 0.043 χ^2/NDF : 1662.3/35

In: 1.528 ± 0.032 χ^2/NDF : 2640.0/33

Out: 1.660 ± 0.033 χ^2/NDF : 3403.7/37

All: 1.591 ± 0.023 χ^2/NDF : 6052.0/71

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.094 ± 0.113 χ^2/NDF : 486.5/16

Left Out: 22.717 ± 0.054 χ^2/NDF : 55368.0/18

Right Out: -2.278 ± 0.101 χ^2/NDF : 918.6/18

Left In: 18.358 ± 0.049 χ^2/NDF : 34705.5/16

Left: 20.312 ± 0.036 χ^2/NDF : 93672.1/35

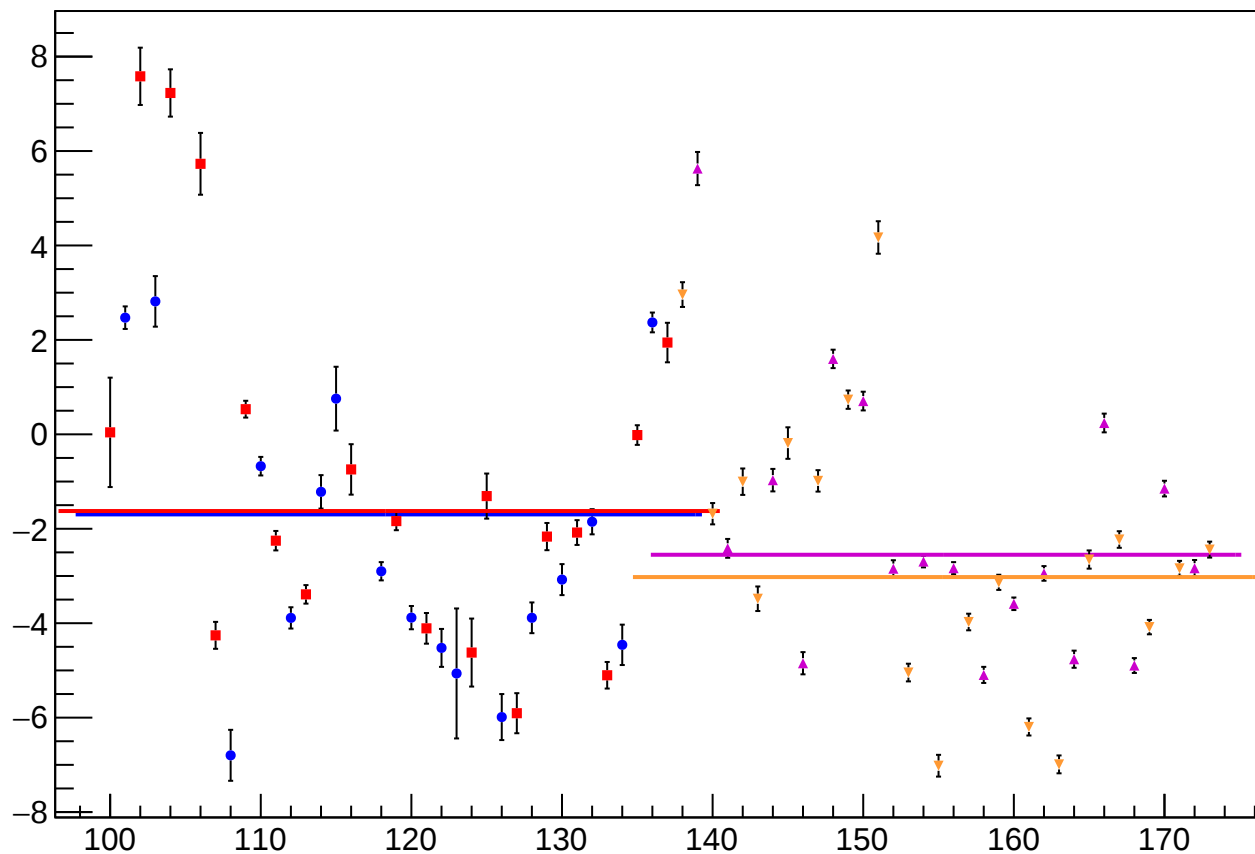
Right: -2.196 ± 0.075 χ^2/NDF : 1406.6/35

In: 15.139 ± 0.045 χ^2/NDF : 62994.3/33

Out: 17.165 ± 0.048 χ^2/NDF : 103917.7/37

All: 16.087 ± 0.033 χ^2/NDF : 167874.8/71

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.696 ± 0.072 χ^2/NDF : 1333.3/16

Left Out: -3.023 ± 0.046 χ^2/NDF : 2853.9/18

Right Out: -1.624 ± 0.067 χ^2/NDF : 1467.3/18

Left In: -2.550 ± 0.042 χ^2/NDF : 2343.0/16

Left: -2.765 ± 0.031 χ^2/NDF : 5255.3/35

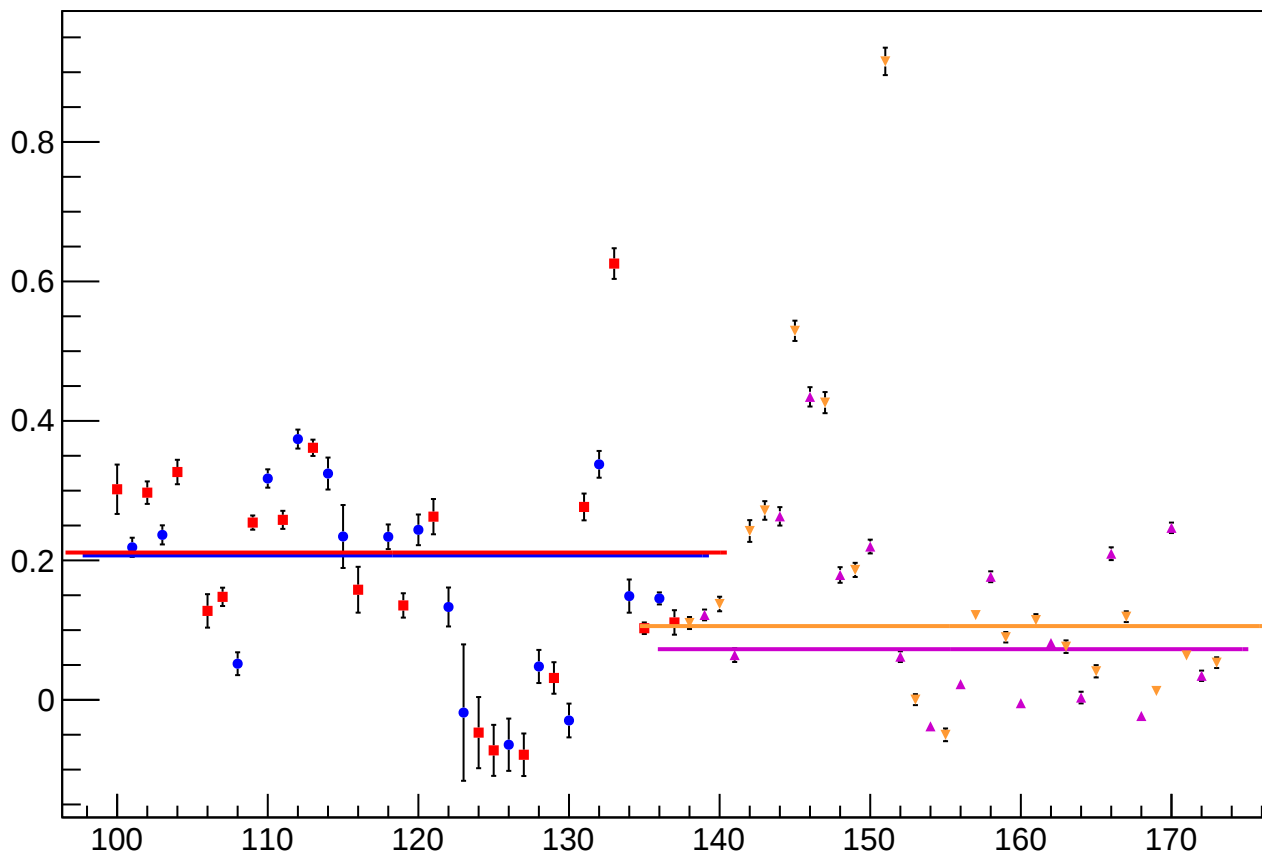
Right: -1.658 ± 0.049 χ^2/NDF : 2801.2/35

In: -2.334 ± 0.036 χ^2/NDF : 3782.8/33

Out: -2.578 ± 0.038 χ^2/NDF : 4618.7/37

All: -2.450 ± 0.026 χ^2/NDF : 8423.5/71

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 656.3/16

Left Out: 0.106 $\pm$ 0.002 χ^2/NDF :4109.6/18

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.7/18

Left In: 0.073 $\pm$ 0.002 χ^2/NDF :3249.9/16

Left: 0.087 $\pm$ 0.001 χ^2/NDF : 7505.8/35

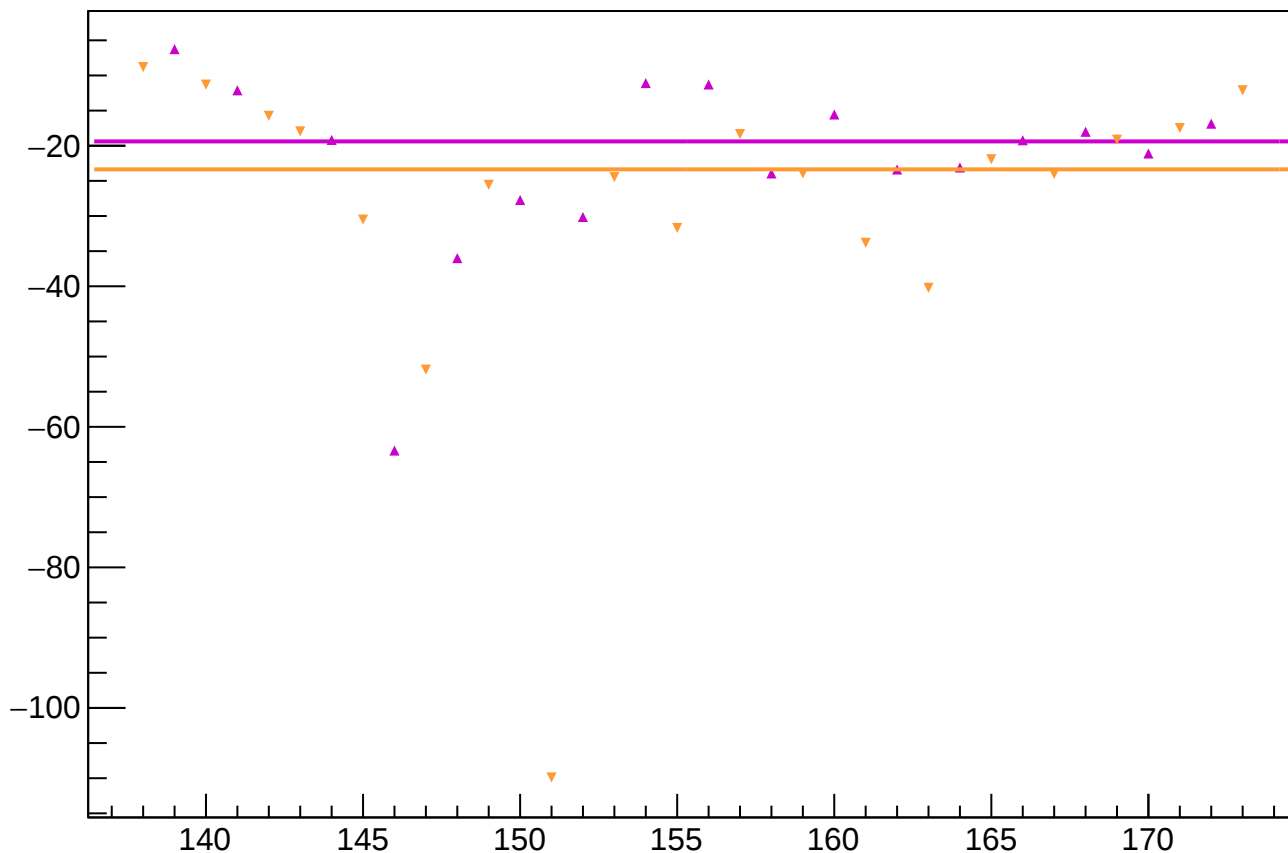
Right: 0.209 $\pm$ 0.003 χ^2/NDF : 1802.5/35

In: 0.094 $\pm$ 0.002 χ^2/NDF :4770.0/33

Out: 0.130 $\pm$ 0.002 χ^2/NDF :5862.6/37

All: 0.111 $\pm$ 0.001 χ^2/NDF : 10849.4/71

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.360+/-0.055 χ^2/NDF : 61031.4/18

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

Left In: -19.385+/-0.051 χ^2/NDF : 37267.5/16

Left: -21.205+/-0.037 χ^2/NDF : 101125.5/35

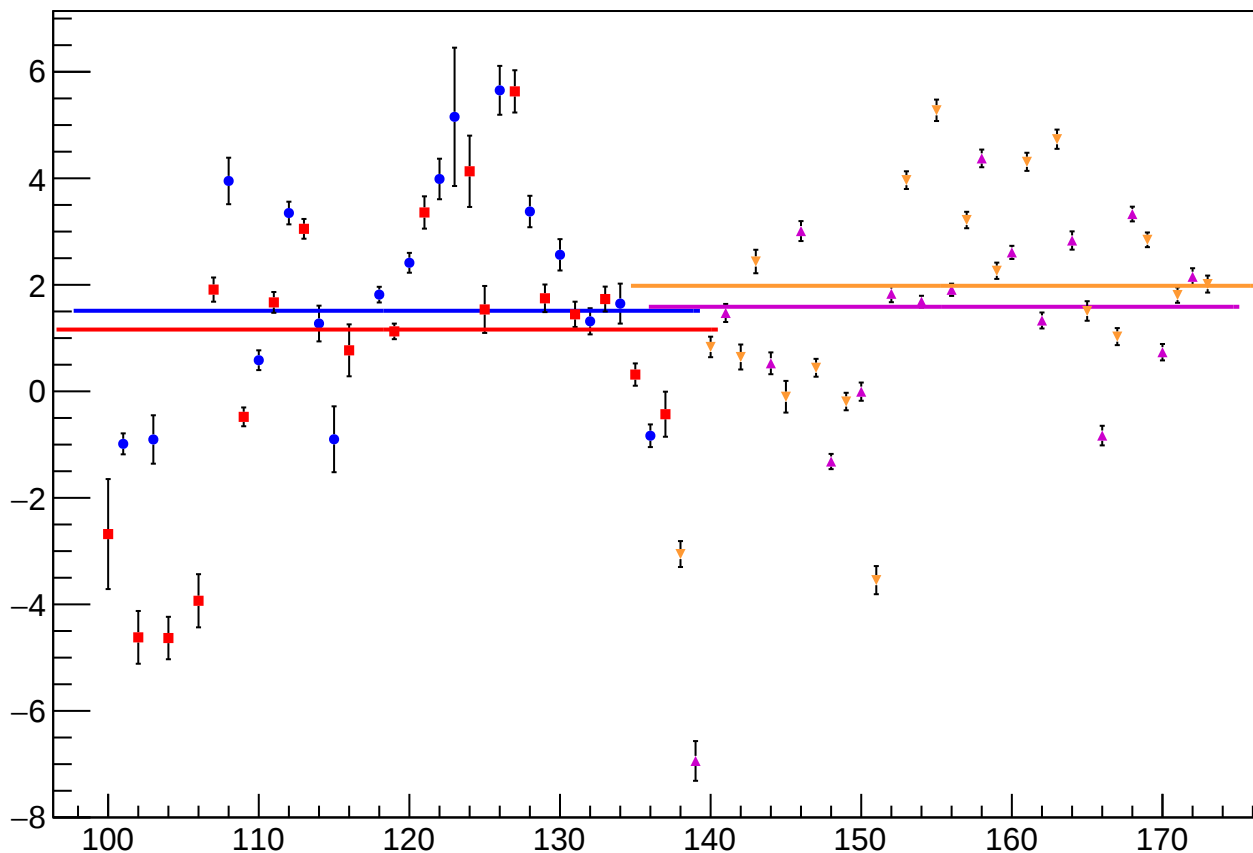
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.385+/-0.051 χ^2/NDF : 37267.5/16

Out: -23.360+/-0.055 χ^2/NDF : 61031.4/18

All: -21.205+/-0.037 χ^2/NDF : 101125.5/35

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.513 ± 0.063 $\chi^2/\text{NDF}: 669.7/16$

Left Out: 1.982 ± 0.041 $\chi^2/\text{NDF}: 2226.5/18$

Right Out: 1.160 ± 0.060 $\chi^2/\text{NDF}: 917.0/18$

Left In: 1.588 ± 0.037 $\chi^2/\text{NDF}: 1898.4/16$

Left: 1.767 ± 0.028 $\chi^2/\text{NDF}: 4175.7/35$

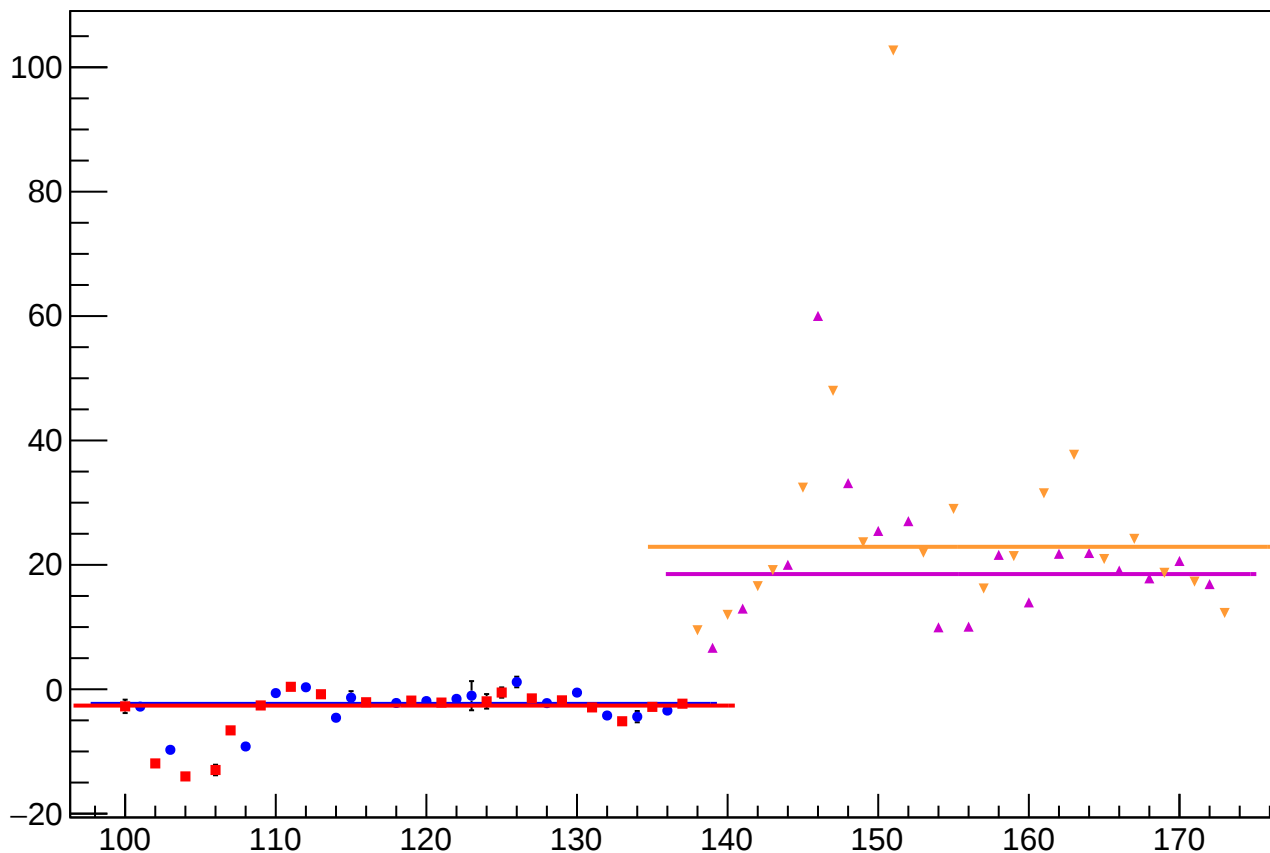
Right: 1.329 ± 0.043 $\chi^2/\text{NDF}: 1603.3/35$

In: 1.568 ± 0.032 $\chi^2/\text{NDF}: 2569.2/33$

Out: 1.722 ± 0.034 $\chi^2/\text{NDF}: 3271.5/37$

All: 1.641 ± 0.023 $\chi^2/\text{NDF}: 5851.6/71$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.350 ± 0.114 χ^2/NDF : 439.7/16

Left Out: 22.904 ± 0.055 χ^2/NDF : 54380.3/18

Right Out: -2.624 ± 0.103 χ^2/NDF : 840.4/18

Left In: 18.520 ± 0.049 χ^2/NDF : 34974.1/16

Left: 20.493 ± 0.037 χ^2/NDF : 92912.6/35

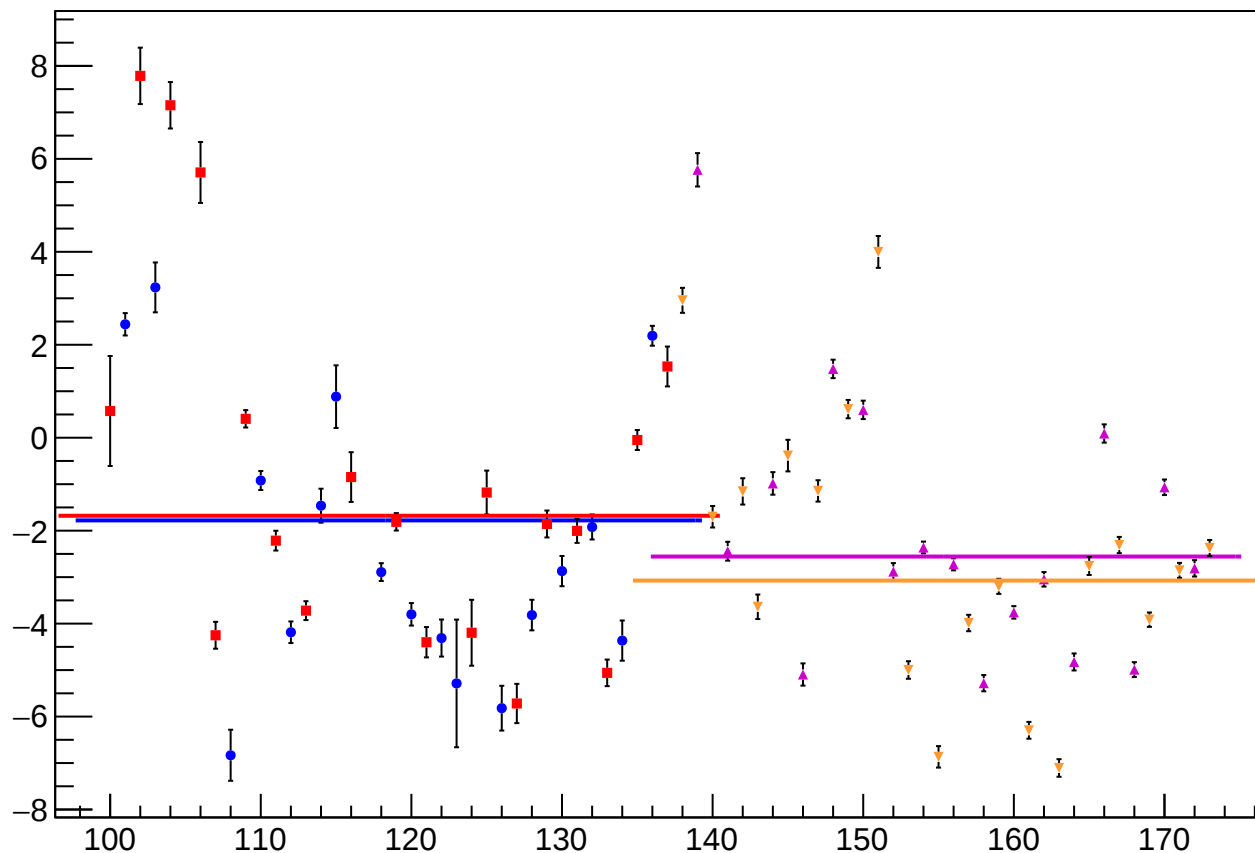
Right: -2.501 ± 0.077 χ^2/NDF : 1283.3/35

In: 15.245 ± 0.045 χ^2/NDF : 63521.0/33

Out: 17.340 ± 0.048 χ^2/NDF : 103042.1/37

All: 16.227 ± 0.033 χ^2/NDF : 167566.2/71

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.779 ± 0.072 χ^2/NDF : 1272.1/16

Left Out: -3.073 ± 0.046 χ^2/NDF : 2734.2/18

Right Out: -1.679 ± 0.068 χ^2/NDF : 1429.6/18

Left In: -2.557 ± 0.042 χ^2/NDF : 2344.8/16

Left: -2.792 ± 0.031 χ^2/NDF : 5147.1/35

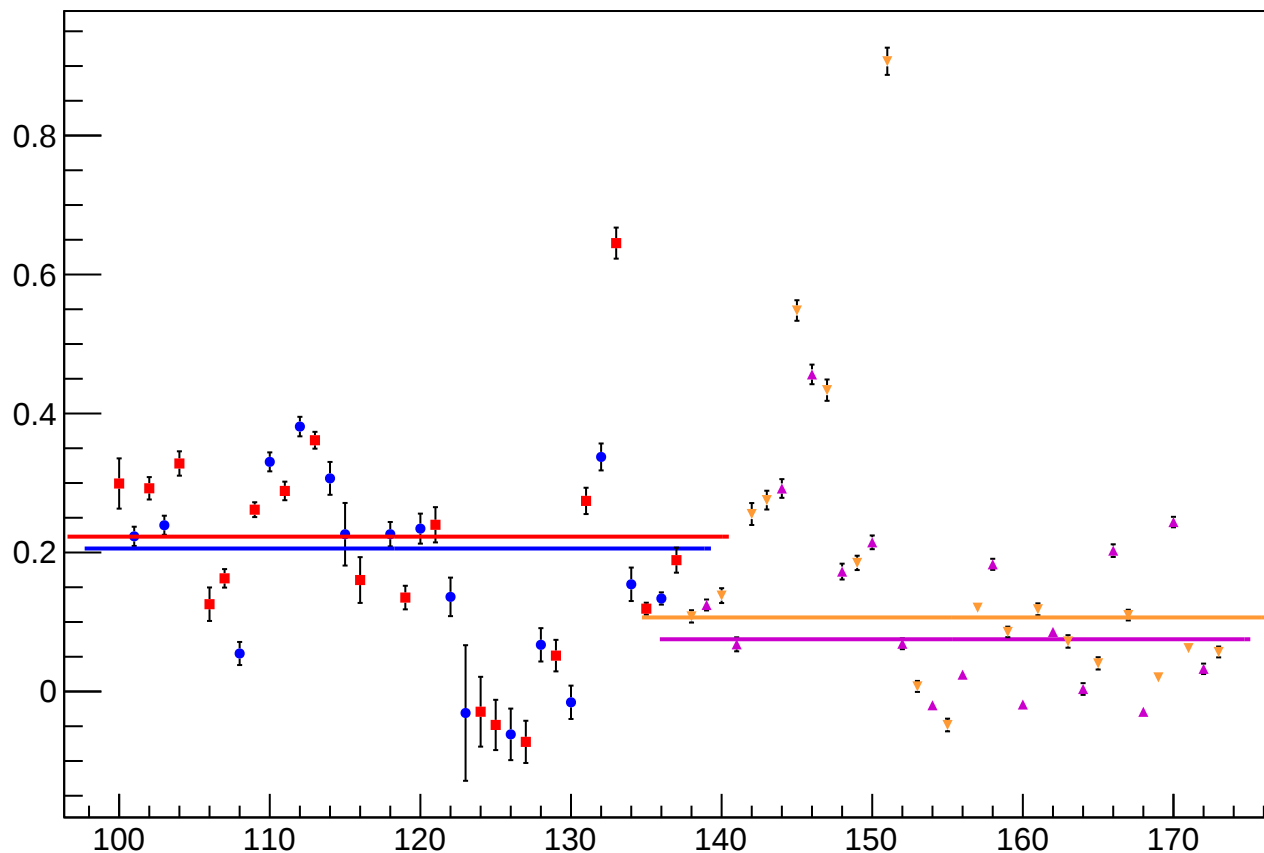
Right: -1.726 ± 0.050 χ^2/NDF : 2702.6/35

In: -2.359 ± 0.036 χ^2/NDF : 3703.1/33

Out: -2.633 ± 0.038 χ^2/NDF : 4451.4/37

All: -2.490 ± 0.026 χ^2/NDF : 8181.6/71

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.206 $\pm$ 0.004 χ^2 /NDF: 651.8/16

Left Out: 0.107 $\pm$ 0.002 χ^2 /NDF:4088.2/18

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1042.2/18

Left In: 0.075 $\pm$ 0.002 χ^2 /NDF:3225.6/16

Left: 0.089 $\pm$ 0.001 χ^2 /NDF: 7442.2/35

Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1702.9/35

In: 0.096 $\pm$ 0.002 χ^2 /NDF:4670.3/33

Out: 0.133 $\pm$ 0.002 χ^2 /NDF:5842.6/37

All: 0.113 $\pm$ 0.001 χ^2 /NDF: 10734.8/71