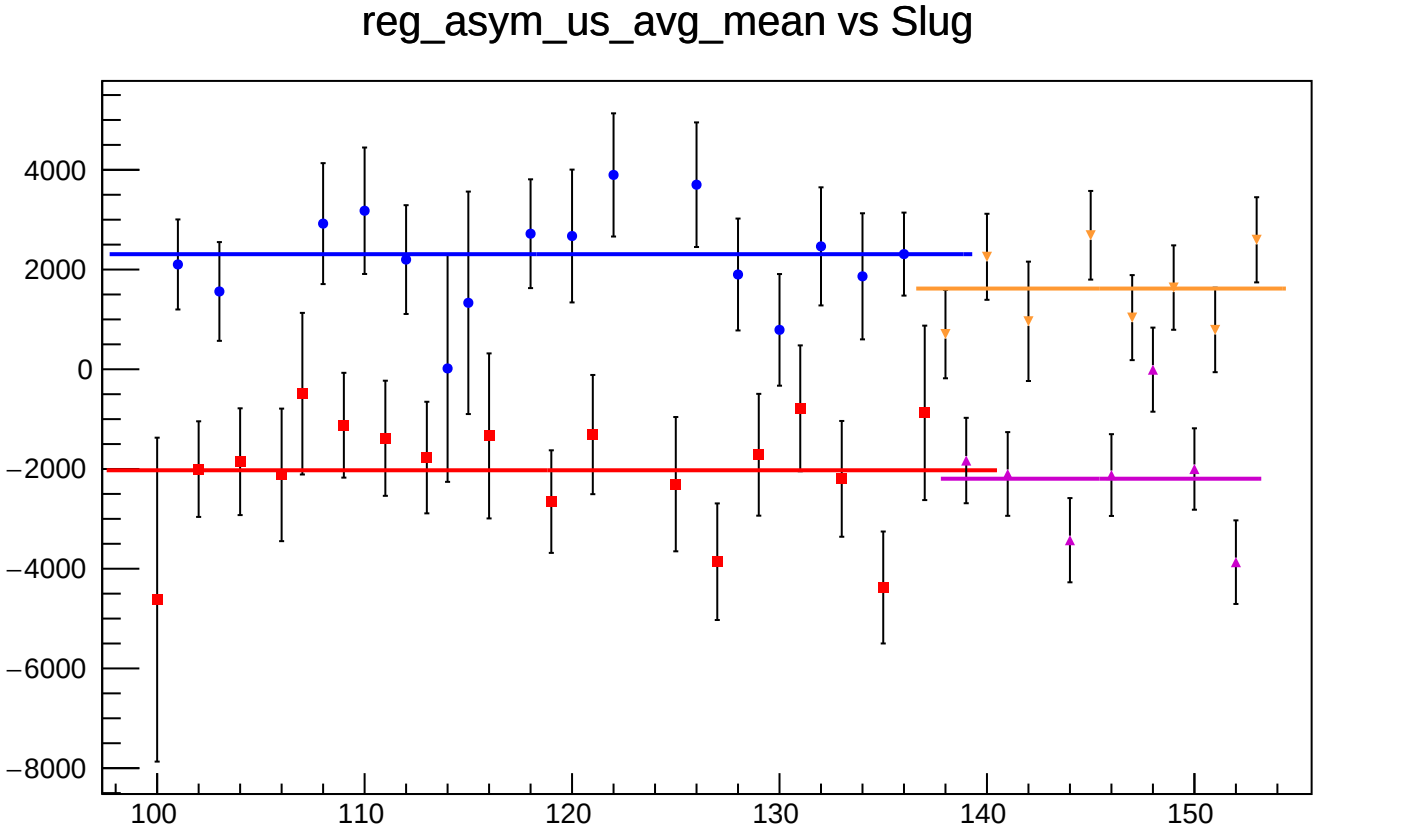


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1618.925+/-314.495 χ^2/NDF:6.1/7

Right Out: -2025.627+/-289.797 χ^2/NDF: 11.9/17

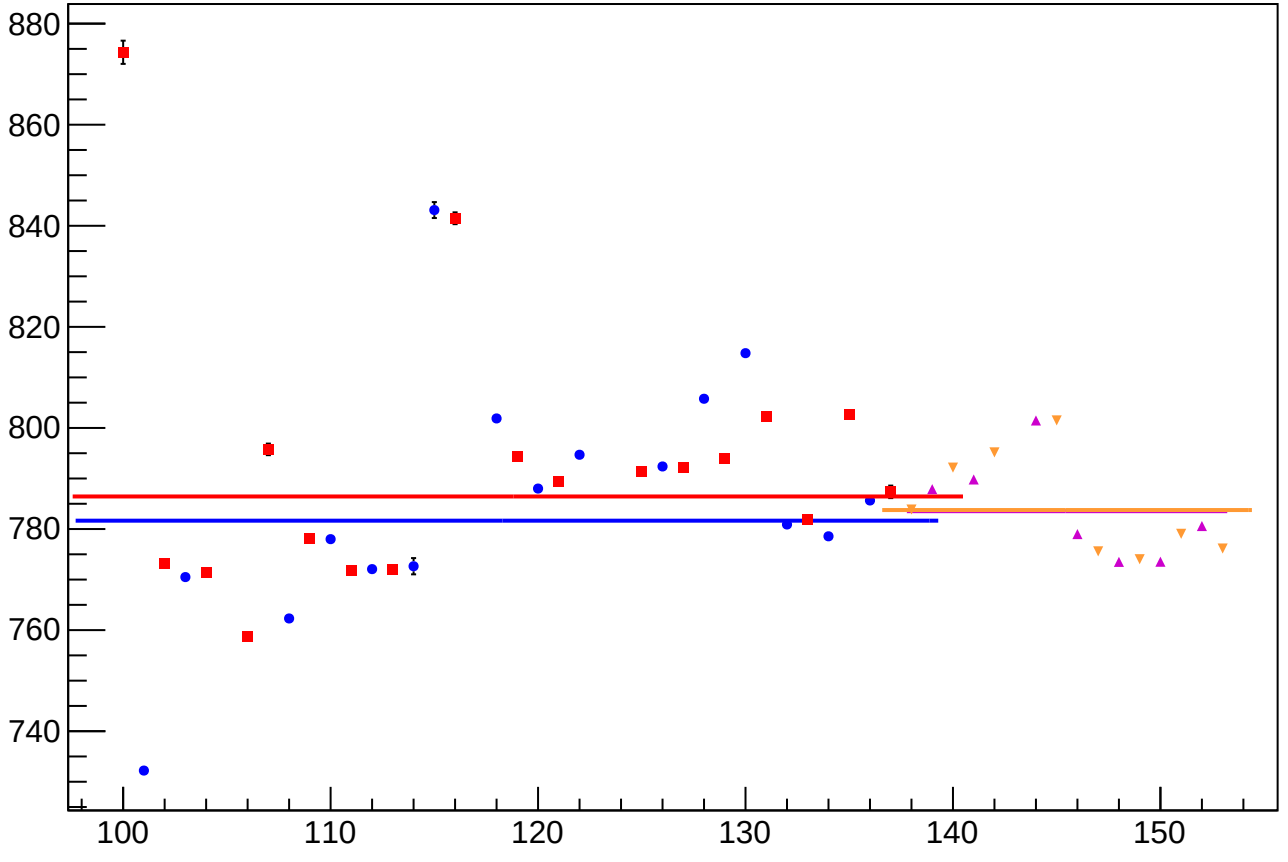
Left In: -2195.076+/-316.258 χ^2/NDF:13.1/6

\+ sign 1990.914+/-213.367 χ^2/NDF: 16.5/23

All: -53.206+/-150.977 χ^2/NDF: 225.5/48

\- sign -2102.967+/-213.661 χ^2/NDF: 25.2/24

reg_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 783.757+/-0.222 χ^2/NDF:1835.0/7

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

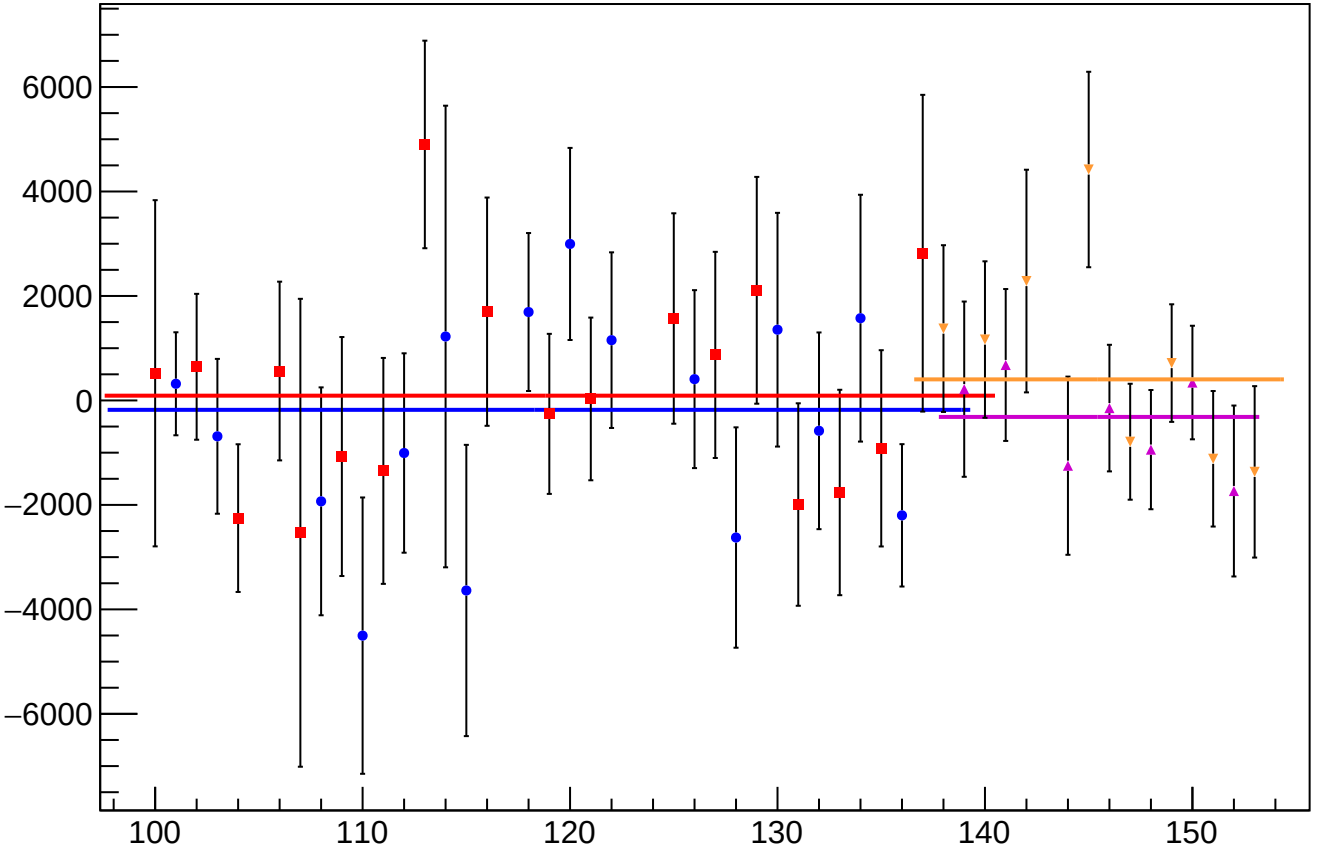
Left In: 783.533+/-0.224 χ^2/NDF:1734.6/6

+ sign 782.622+/-0.151 χ^2/NDF: 14202.3/23

All: 783.867+/-0.107 χ^2/NDF: 23366.9/48

- sign 785.115+/-0.151 χ^2/NDF: 9028.3/24

asym_us_avg_reg_correction_mean vs Slug



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: 403.149+/-505.661 χ^2/NDF:9.8/7

Right Out: 91.288+/-454.811 χ^2/NDF: 15.2/17

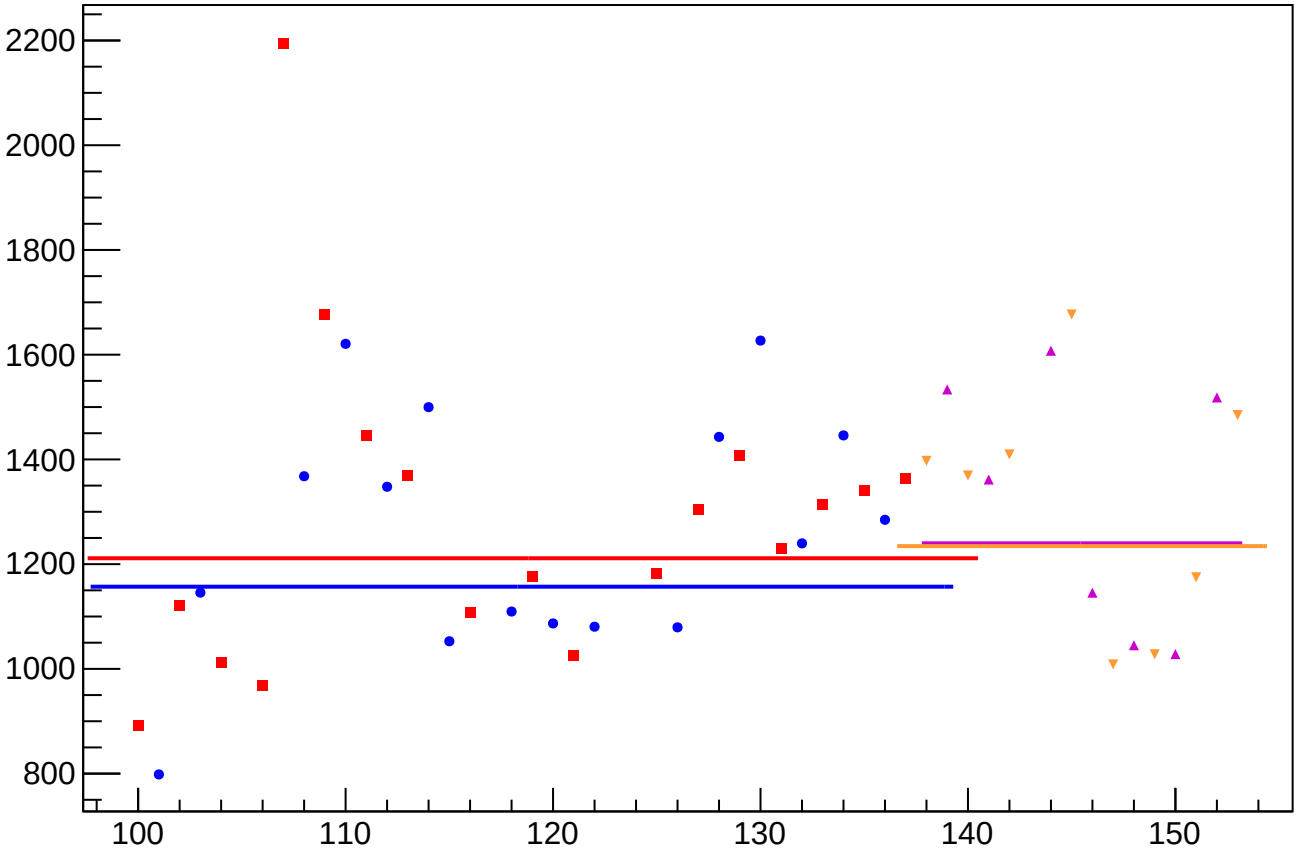
Left In: -315.634+/-510.276 χ^2/NDF:2.3/6

+ sign 71.820+/-332.261 χ^2/NDF: 25.9/23

All: -6.785+/-237.470 χ^2/NDF: 43.9/48

- sign -88.863+/-339.522 χ^2/NDF: 17.9/24

asym_us_avg_reg_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1234.411+/-0.358 χ^2/NDF:363228.0/7

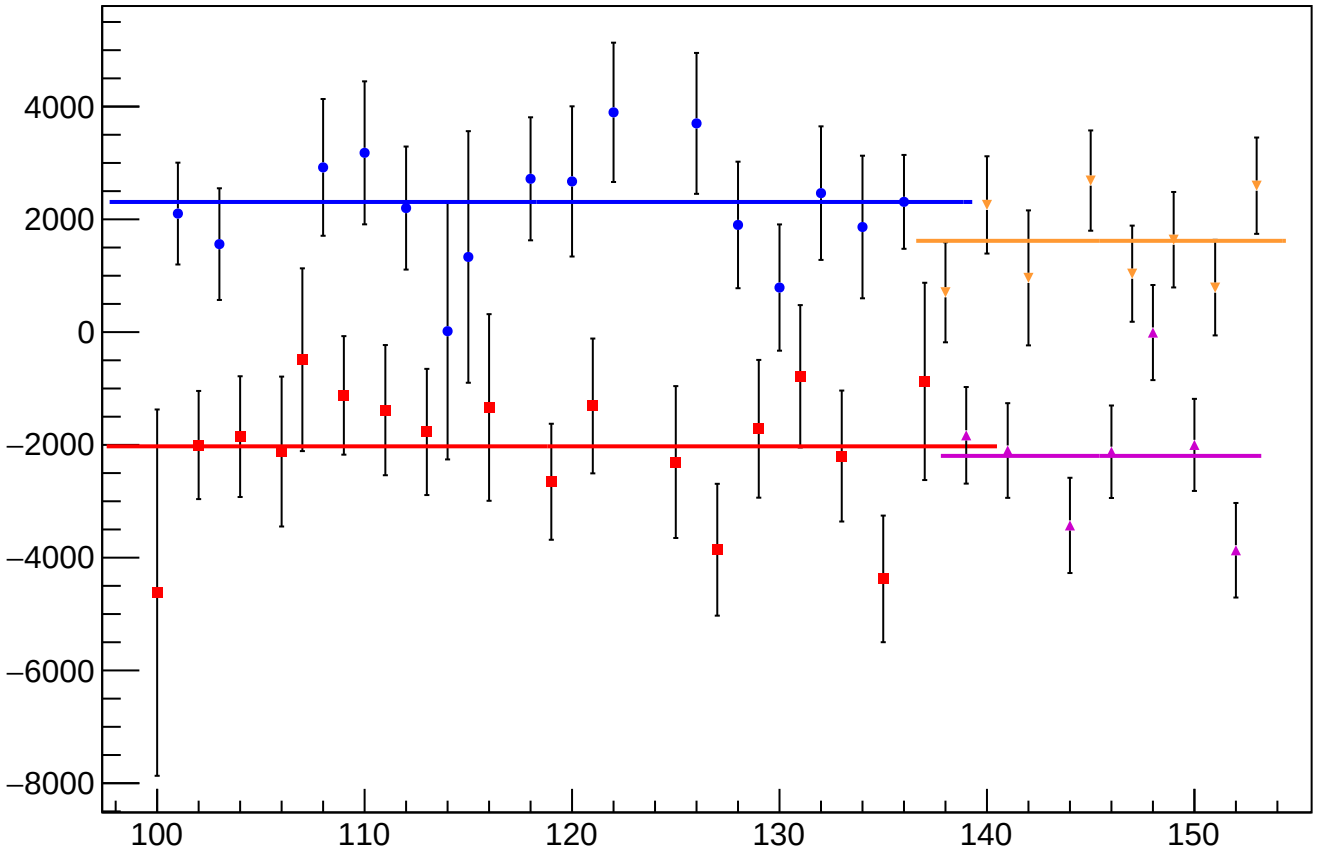
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1239.780+/-0.361 χ^2/NDF:372376.8/6

+ sign 1190.394+/-0.235 χ^2/NDF: 959018.6/23

All: 1206.779+/-0.168 χ^2/NDF: 1742533.7/48

- sign 1223.889+/-0.240 χ^2/NDF: 773572.2/24



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1618.925+/-314.495 χ^2/NDF:6.1/7

Right Out: -2025.627+/-289.797 χ^2/NDF: 11.9/17

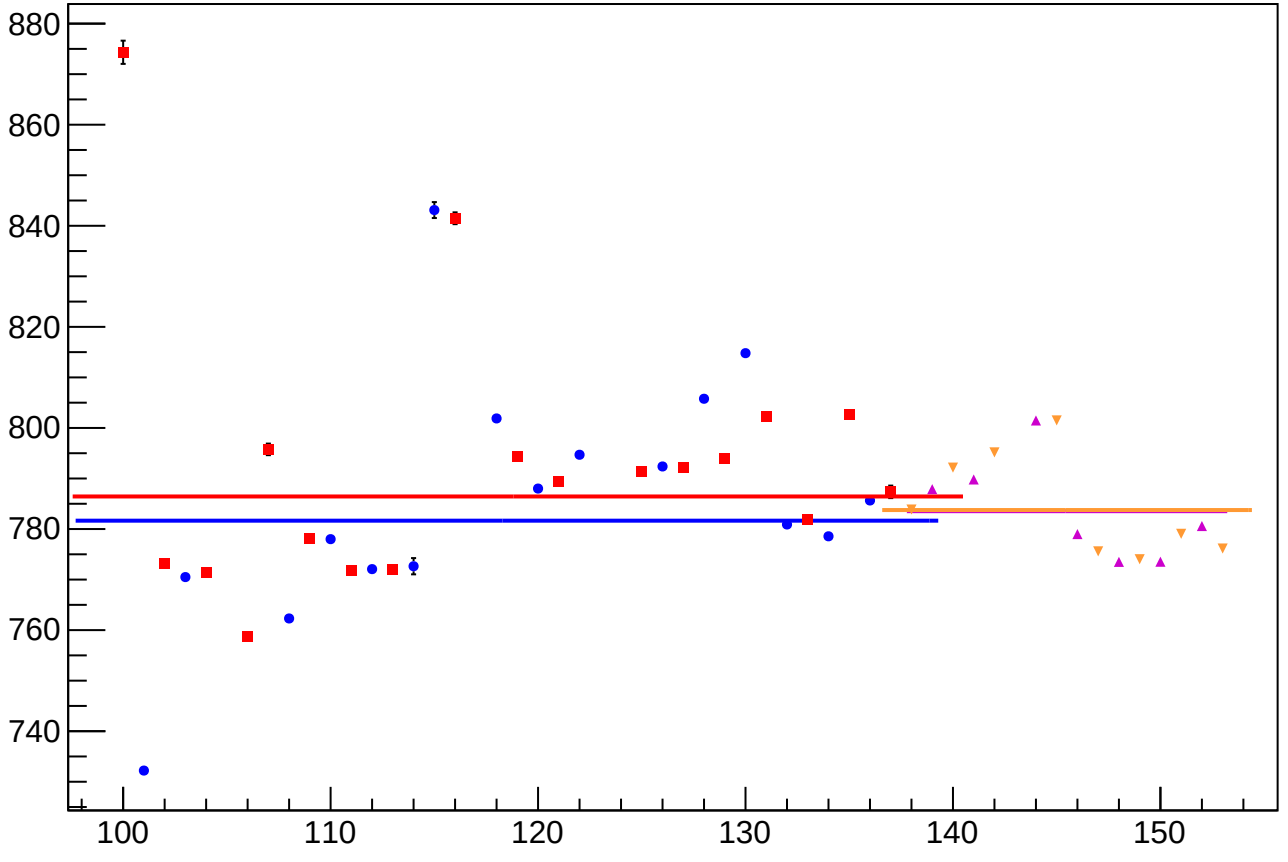
Left In: -2195.076+/-316.258 χ^2/NDF:13.1/6

+ sign 1990.914+/-213.367 χ^2/NDF: 16.5/23

All: -53.206+/-150.977 χ^2/NDF: 225.5/48

- sign -2102.967+/-213.661 χ^2/NDF: 25.2/24

cor_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 783.757+/-0.222 χ^2/NDF:1835.0/7

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

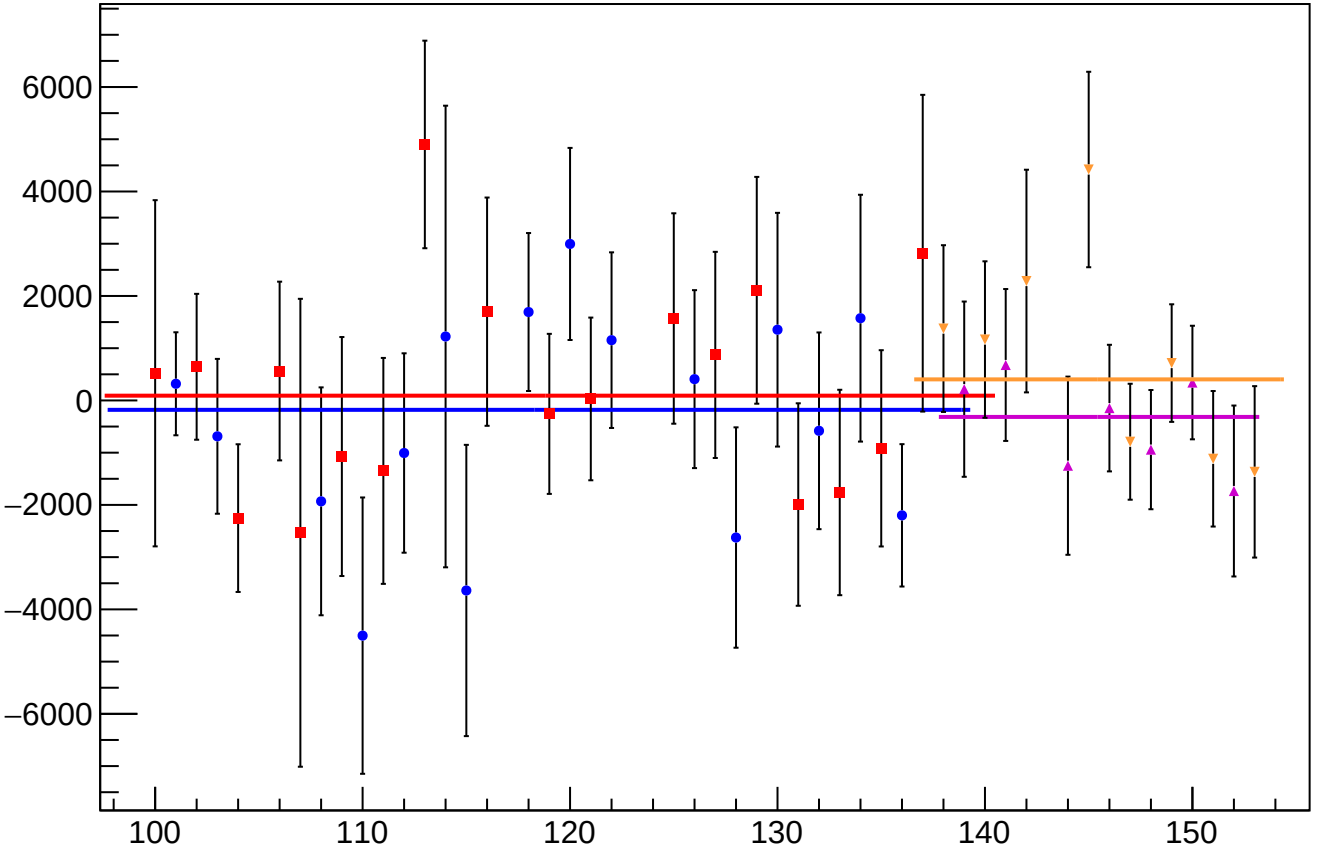
Left In: 783.533+/-0.224 χ^2/NDF:1734.6/6

+ sign 782.622+/-0.151 χ^2/NDF: 14202.3/23

All: 783.867+/-0.107 χ^2/NDF: 23366.9/48

- sign 785.115+/-0.151 χ^2/NDF: 9028.3/24

asym_us_avg_cor_correction_mean vs Slug



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: 403.149+/-505.661 χ^2/NDF:9.8/7

Right Out: 91.288+/-454.811 χ^2/NDF: 15.2/17

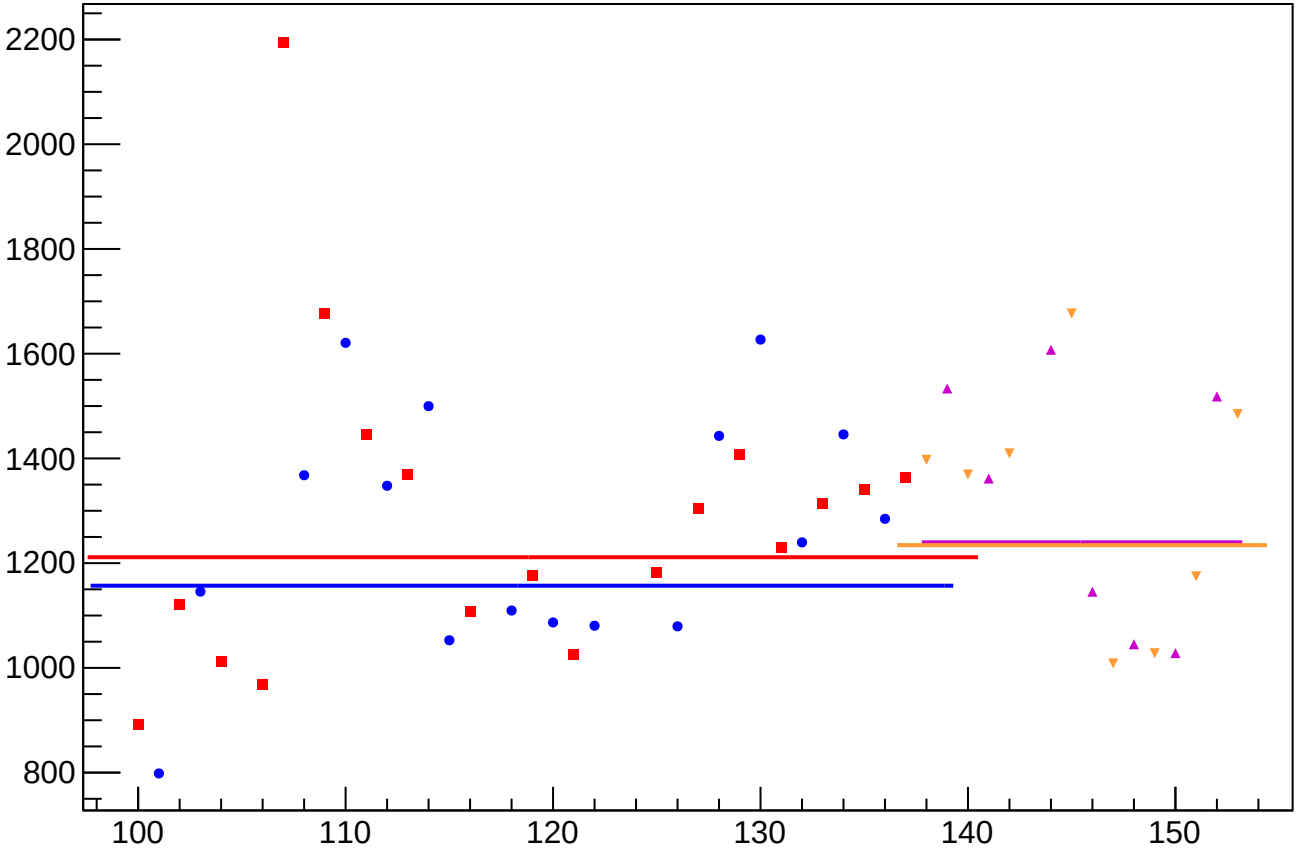
Left In: -315.634+/-510.276 χ^2/NDF:2.3/6

+ sign 71.820+/-332.261 χ^2/NDF: 25.9/23

All: -6.785+/-237.470 χ^2/NDF: 43.9/48

- sign -88.863+/-339.522 χ^2/NDF: 17.9/24

asym_us_avg_cor_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1234.411+/-0.358 χ^2/NDF:363228.0/7

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

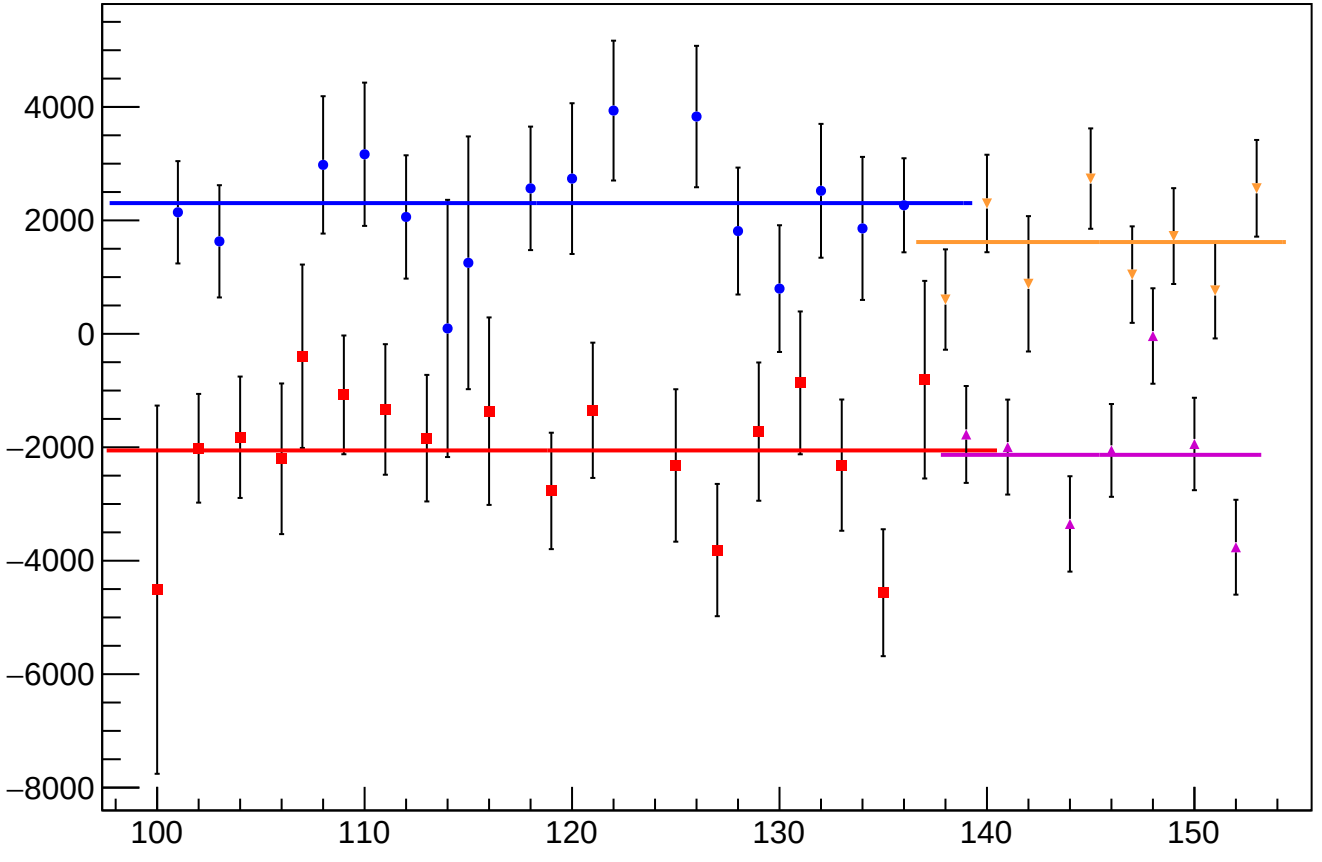
Left In: 1239.780+/-0.361 χ^2/NDF:372376.8/6

+ sign 1190.394+/-0.235 χ^2/NDF: 959018.6/23

All: 1206.779+/-0.168 χ^2/NDF: 1742533.7/48

- sign 1223.889+/-0.240 χ^2/NDF: 773572.2/24

overload_cor_asym_us_avg_mean vs Slug



Right In: 2304.852+/-289.704 χ^2/NDF: 8.1/15

Left Out: 1618.380+/-313.585 χ^2/NDF:6.6/7

Right Out: -2055.666+/-289.090 χ^2/NDF: 12.9/17

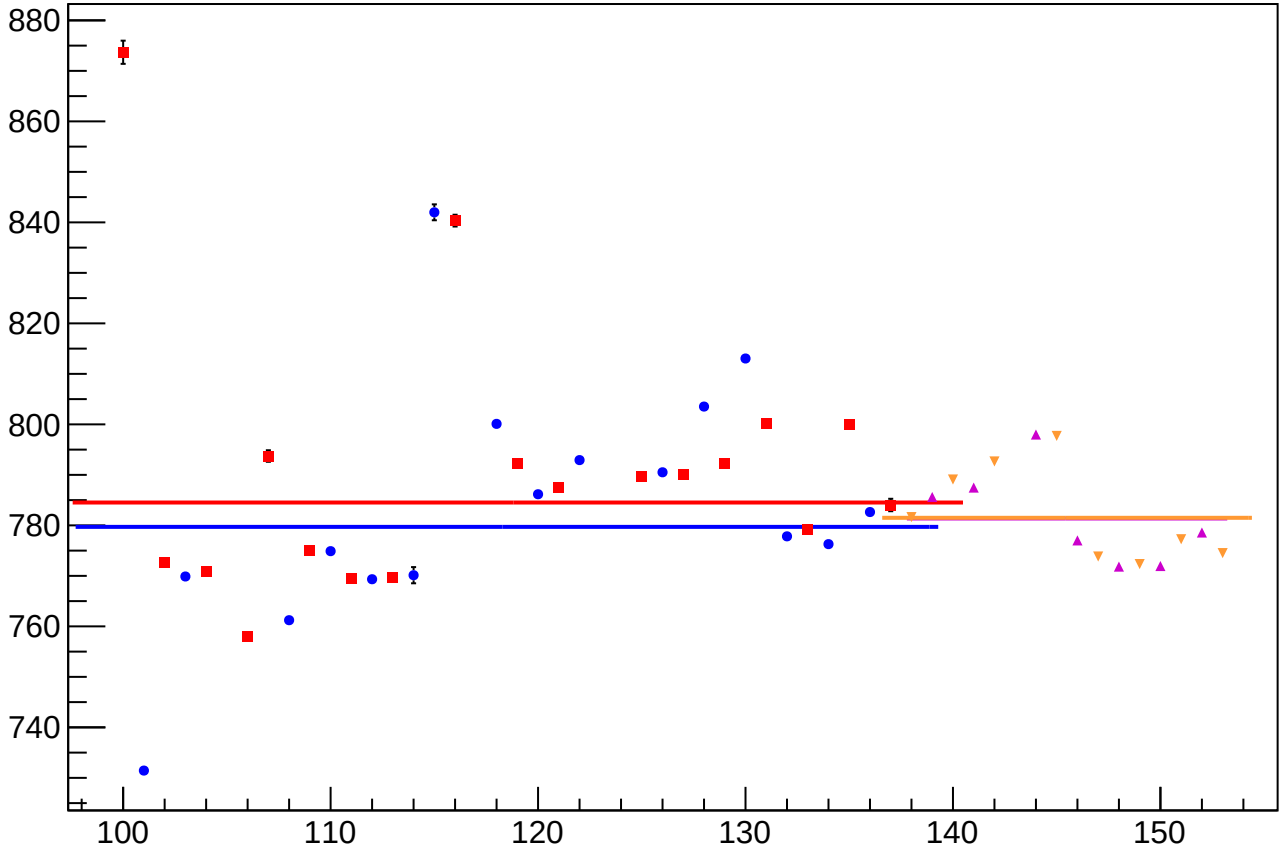
Left In: -2133.339+/-315.379 χ^2/NDF:12.4/6

+ sign 1988.748+/-212.794 χ^2/NDF: 17.3/23

All: -48.199+/-150.578 χ^2/NDF: 226.1/48

- sign -2091.131+/-213.106 χ^2/NDF: 25.3/24

overload_cor_asym_us_avg_rms vs Slug



Right In: 779.702+/-0.205 χ^2/NDF: 12060.2/15

Left Out: 781.498+/-0.222 χ^2/NDF:1584.7/7

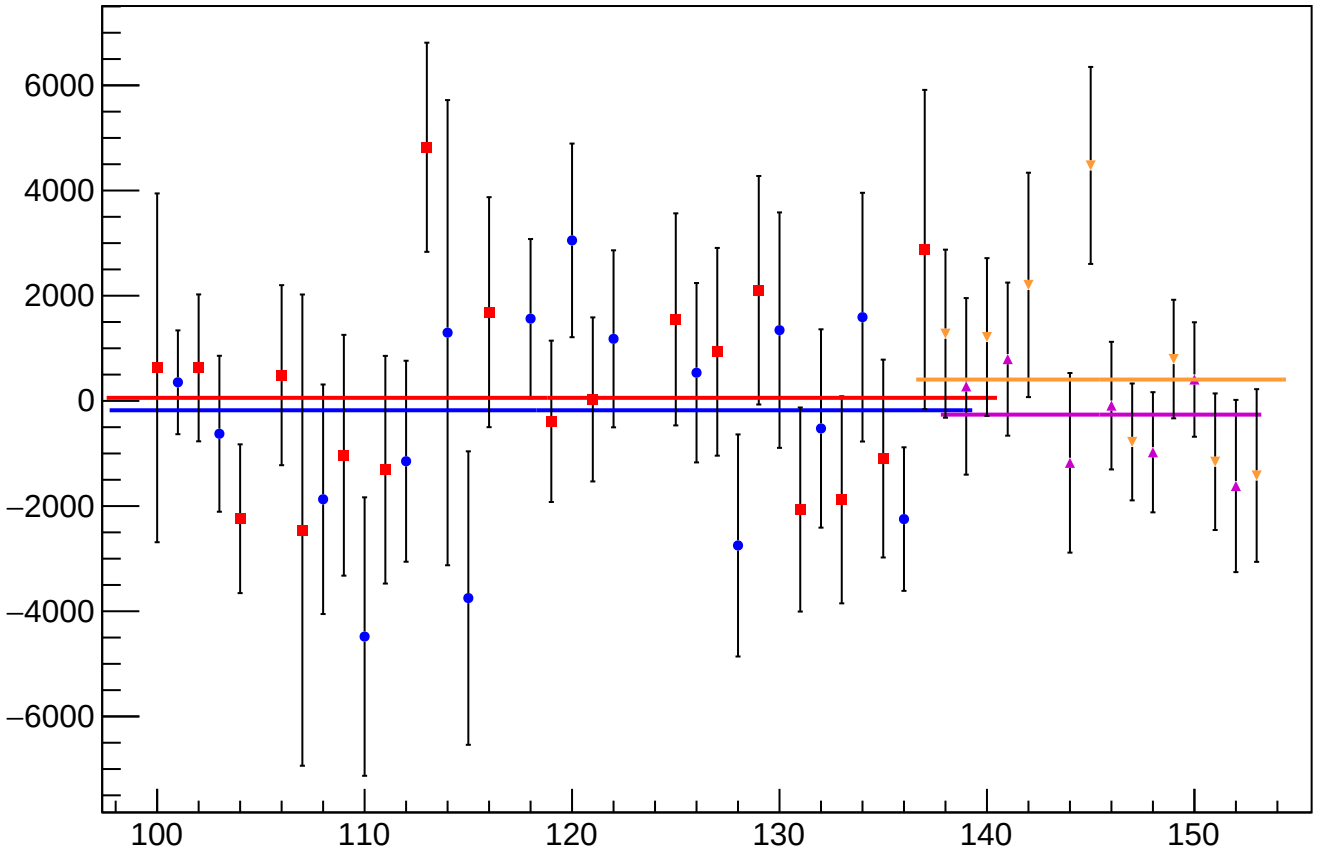
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 781.363+/-0.223 χ^2/NDF:1539.7/6

+ sign 780.529+/-0.150 χ^2/NDF: 13680.3/23

All: 781.803+/-0.106 χ^2/NDF: 22633.0/48

- sign 783.081+/-0.151 χ^2/NDF: 8809.0/24



Right In: -178.457+/-441.218 χ^2/NDF: 15.7/15

Left Out: 405.993+/-506.225 χ^2/NDF:10.0/7

Right Out: 58.040+/-455.216 χ^2/NDF: 15.3/17

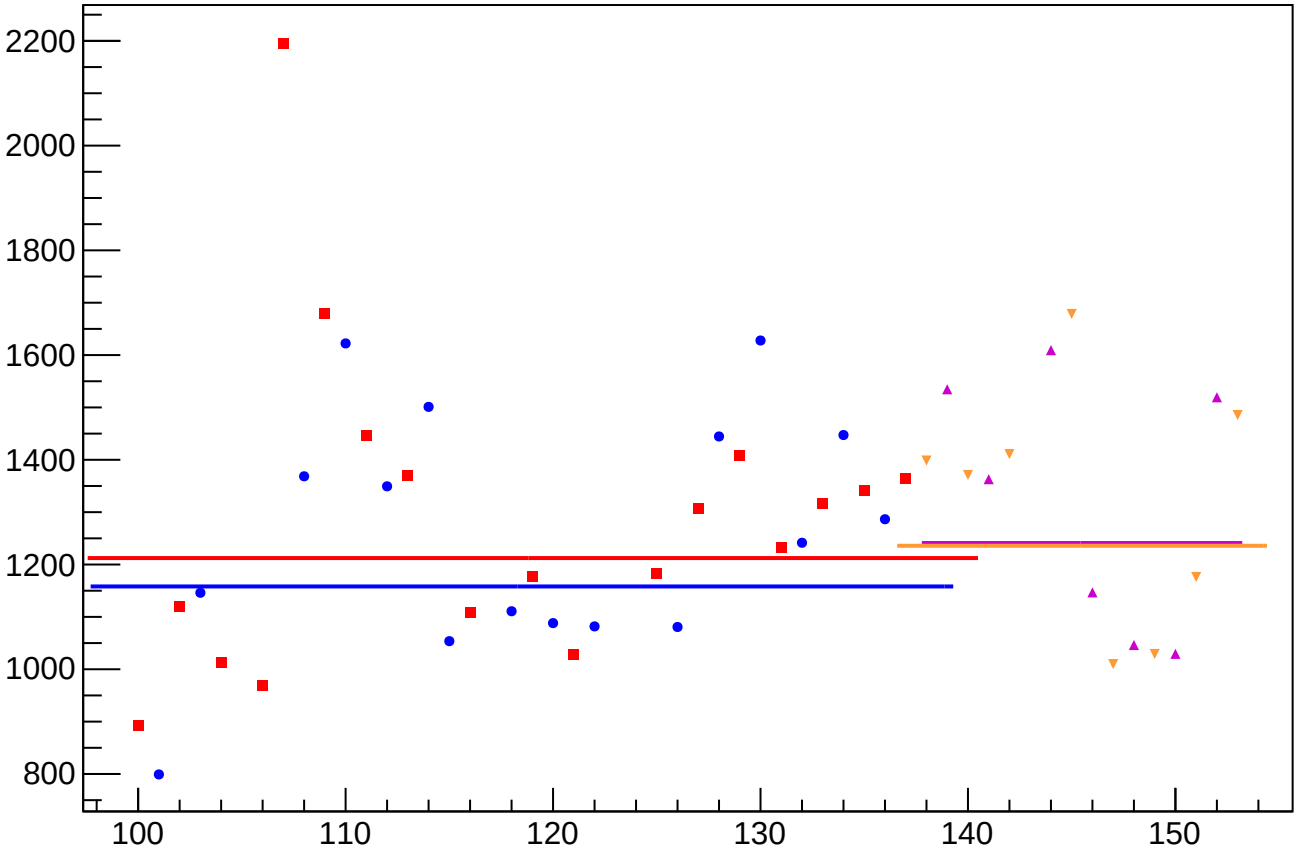
Left In: -261.095+/-510.809 χ^2/NDF:2.4/6

+ sign 73.855+/-332.613 χ^2/NDF: 26.4/23

All: -2.994+/-237.710 χ^2/NDF: 44.4/48

- sign -83.222+/-339.848 χ^2/NDF: 17.9/24

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1158.134+/-0.312 χ^2/NDF: 569144.8/15

Left Out: 1235.841+/-0.358 χ^2/NDF:362585.0/7

Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

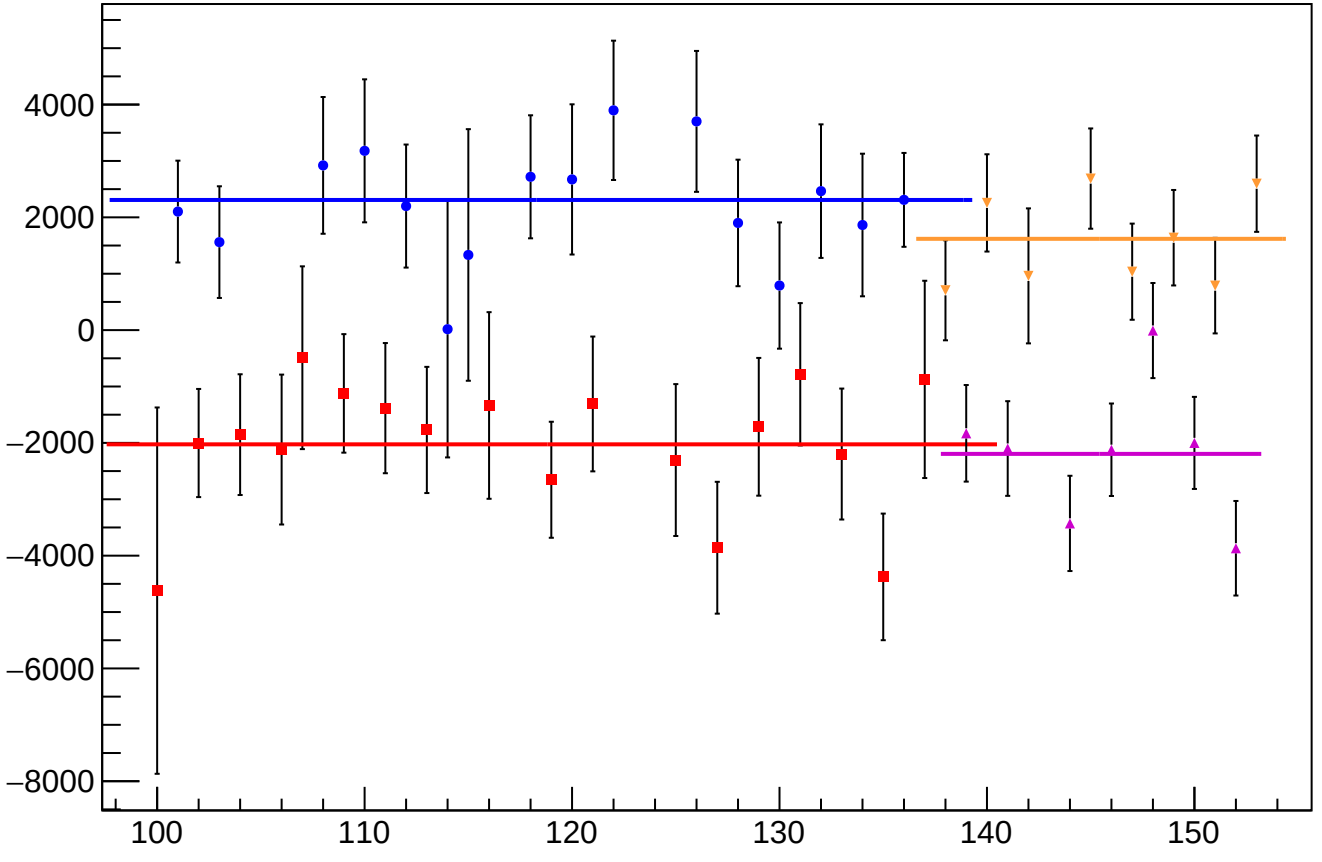
Left In: 1241.114+/-0.361 χ^2/NDF:371823.4/6

+ sign 1191.680+/-0.235 χ^2/NDF: 958511.4/23

All: 1208.021+/-0.168 χ^2/NDF: 1741675.1/48

- sign 1225.080+/-0.240 χ^2/NDF: 773297.1/24

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1618.925+/-314.495 χ^2/NDF:6.1/7

Right Out: -2025.627+/-289.797 χ^2/NDF: 11.9/17

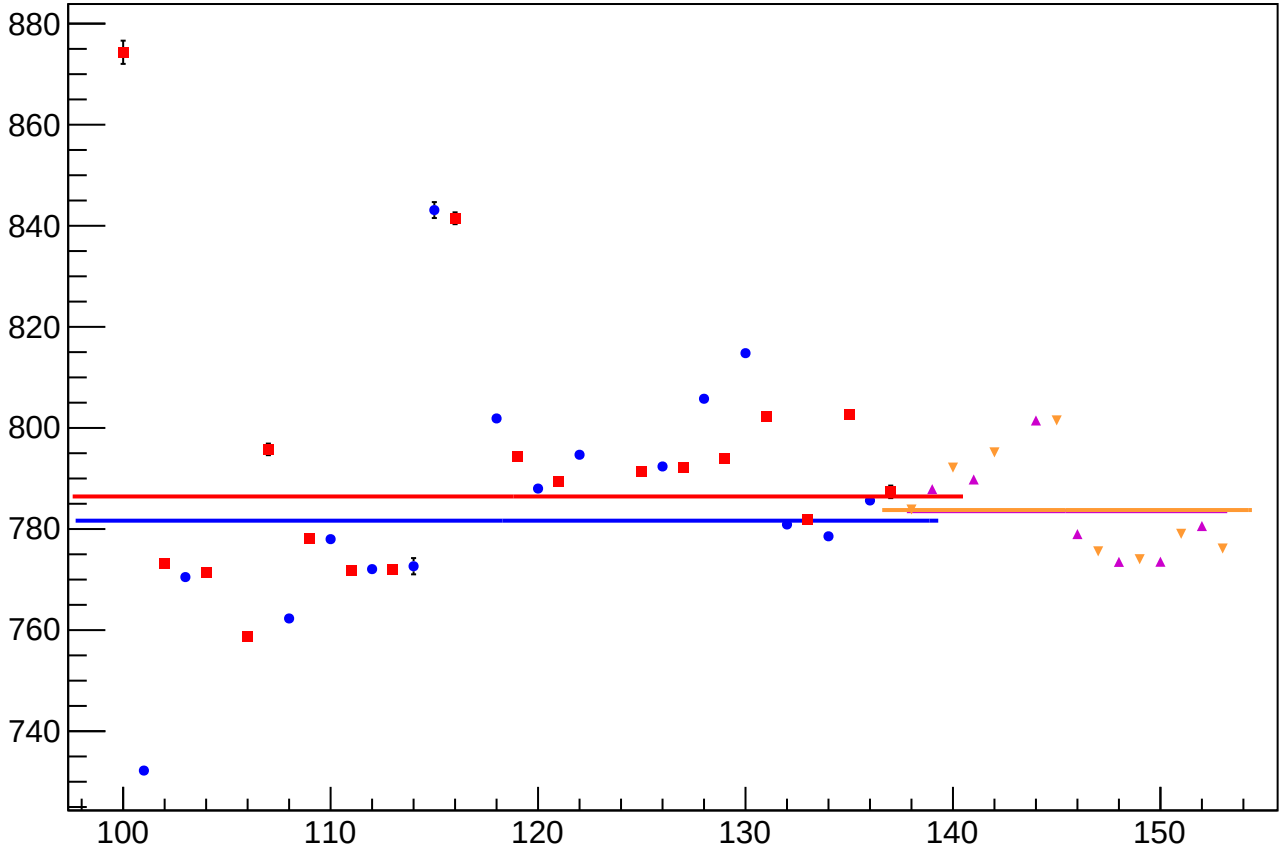
Left In: -2195.076+/-316.258 χ^2/NDF:13.1/6

+ sign 1990.914+/-213.367 χ^2/NDF: 16.5/23

All: -53.206+/-150.977 χ^2/NDF: 225.5/48

- sign -2102.967+/-213.661 χ^2/NDF: 25.2/24

eigen_cor_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 783.757+/-0.222 χ^2/NDF:1835.0/7

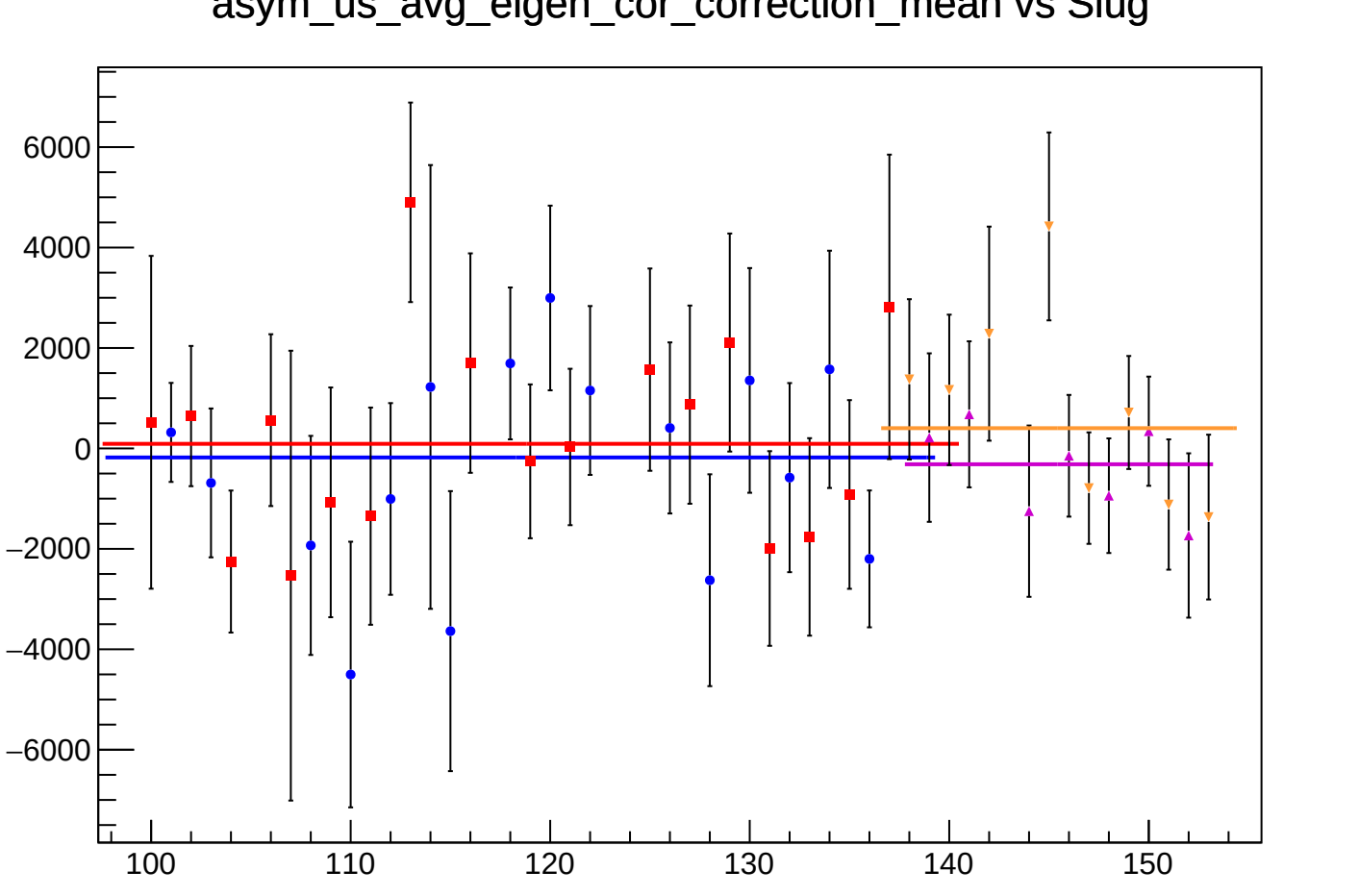
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 783.533+/-0.224 χ^2/NDF:1734.6/6

+ sign 782.622+/-0.151 χ^2/NDF: 14202.3/23

All: 783.867+/-0.107 χ^2/NDF: 23366.9/48

- sign 785.115+/-0.151 χ^2/NDF: 9028.3/24



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: 403.149+/-505.661 χ^2/NDF:9.8/7

Right Out: 91.288+/-454.811 χ^2/NDF: 15.2/17

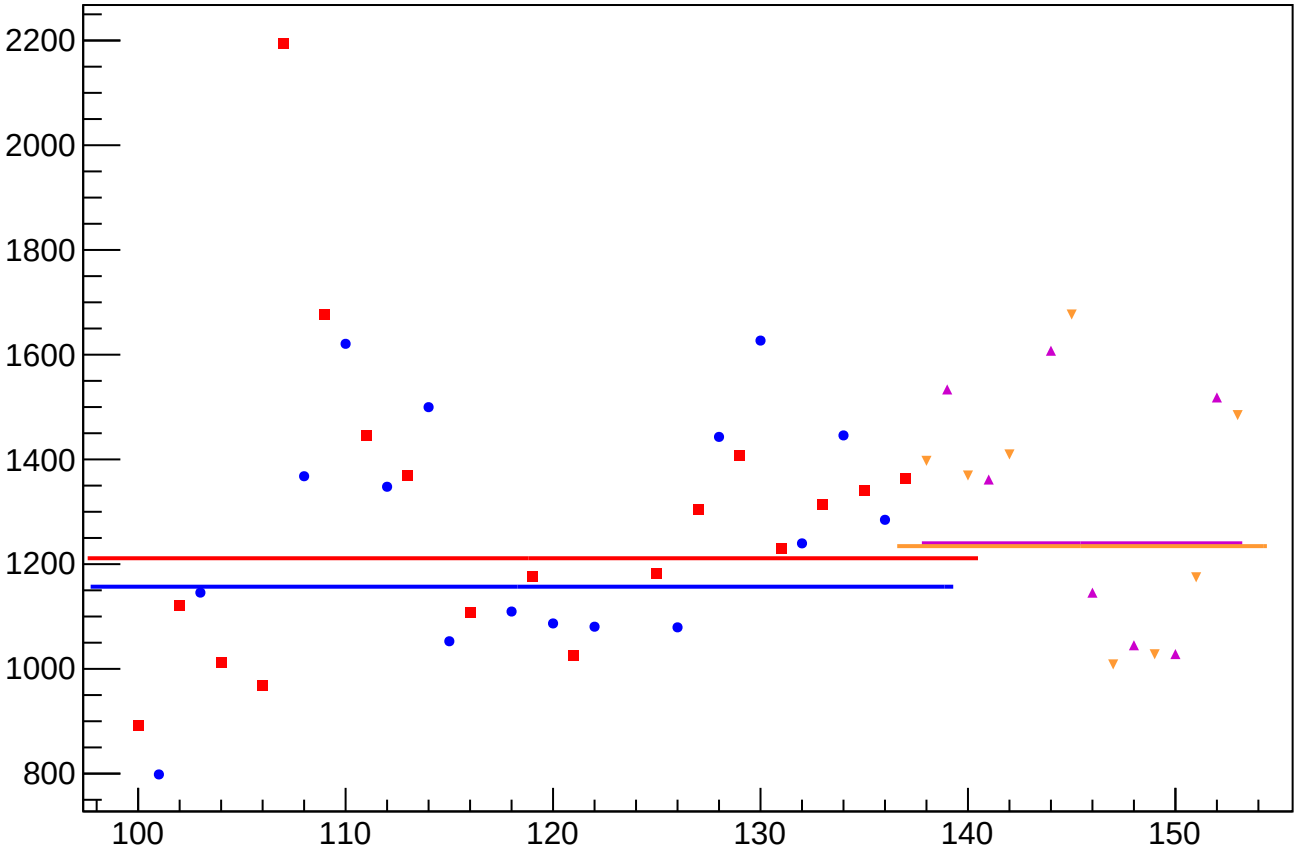
Left In: -315.634+/-510.276 χ^2/NDF:2.3/6

+ sign 71.820+/-332.261 χ^2/NDF: 25.9/23

All: -6.785+/-237.470 χ^2/NDF: 43.9/48

- sign -88.863+/-339.522 χ^2/NDF: 17.9/24

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1234.411+/-0.358 χ^2/NDF:363228.0/7

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

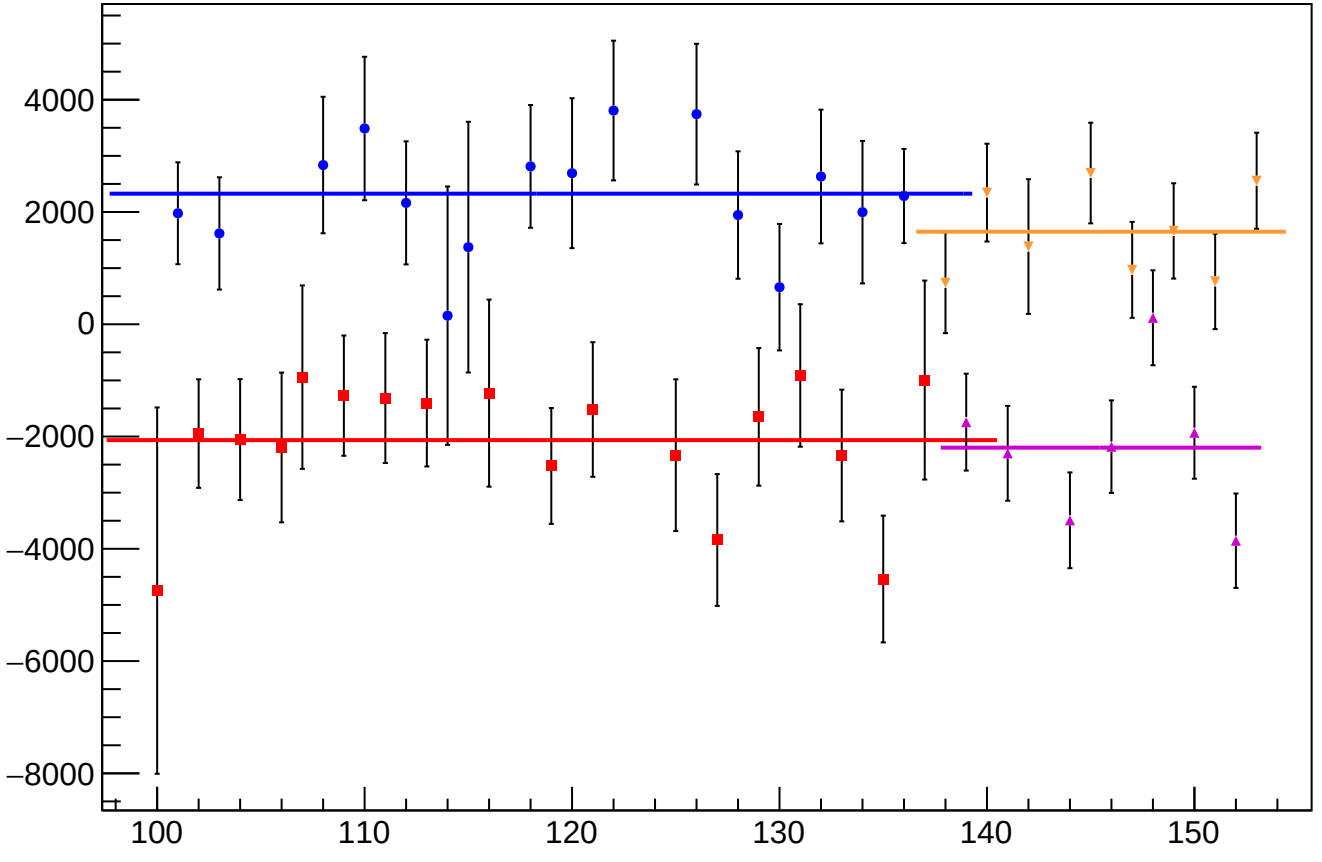
Left In: 1239.780+/-0.361 χ^2/NDF:372376.8/6

+ sign 1190.394+/-0.235 χ^2/NDF: 959018.6/23

All: 1206.779+/-0.168 χ^2/NDF: 1742533.7/48

- sign 1223.889+/-0.240 χ^2/NDF: 773572.2/24

dit_asym_us_avg_mean vs Slug



Right In: 2326.430+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1649.131+/-316.171 χ^2/NDF:5.9/7

Right Out: -2063.976+/-291.790 χ^2/NDF: 11.6/17

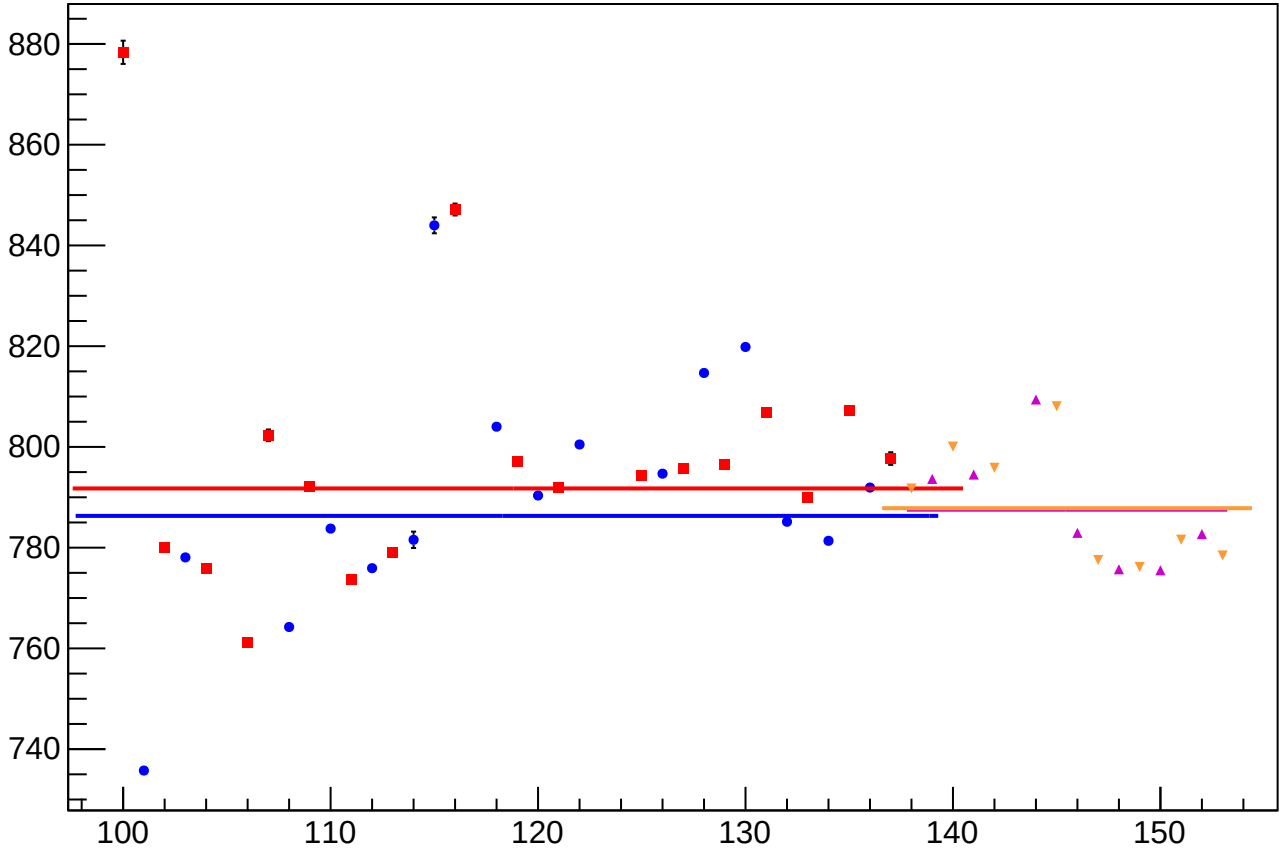
Left In: -2197.804+/-317.903 χ^2/NDF:14.1/6

+ sign 2014.454+/-214.581 χ^2/NDF: 16.5/23

All: -51.646+/-151.868 χ^2/NDF: 228.1/48

- sign -2125.169+/-214.967 χ^2/NDF: 25.8/24

dit_asym_us_avg_rms vs Slug



Right In: 786.309+/-0.207 χ^2/NDF: 12571.1/15

Left Out: 787.834+/-0.224 χ^2/NDF:2555.6/7

Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

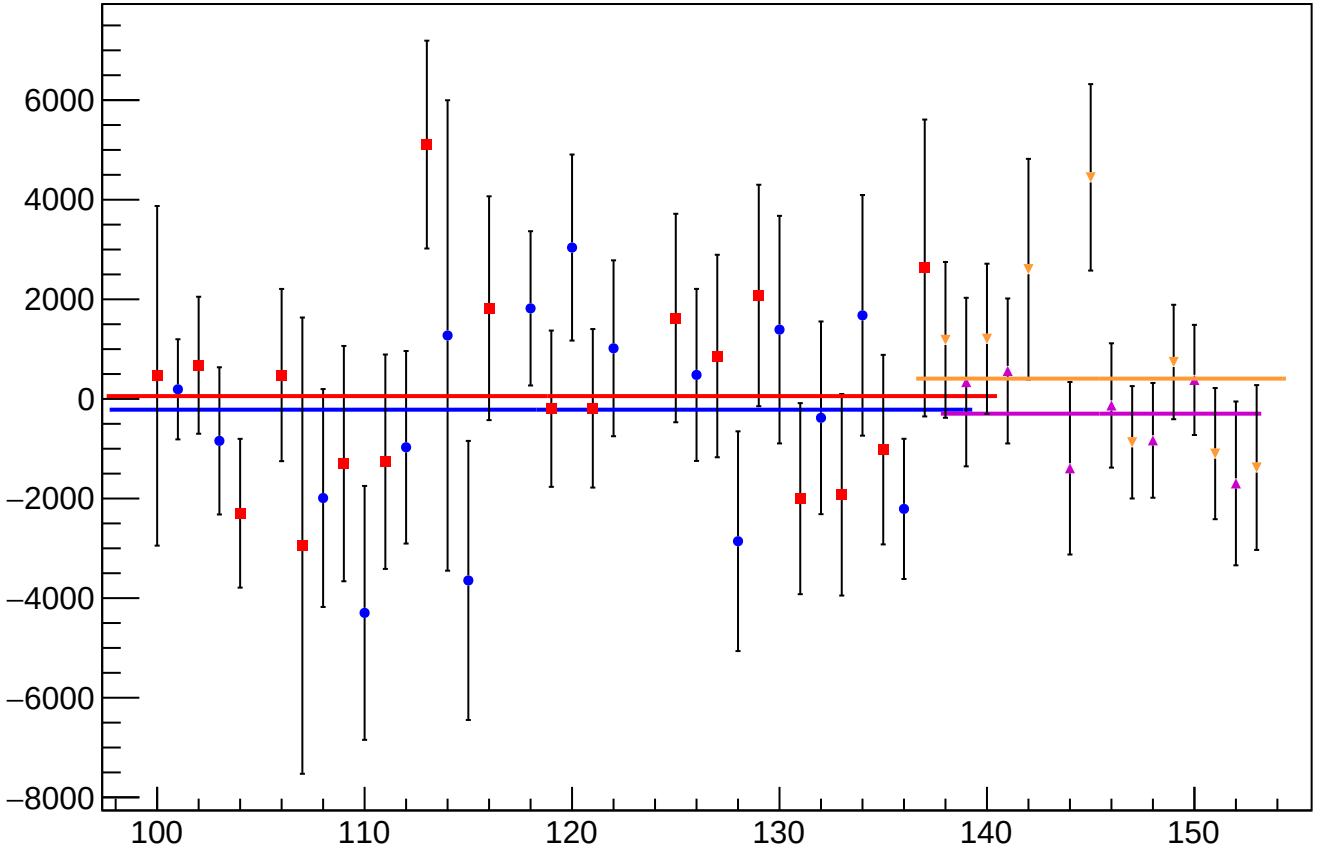
Left In: 787.536+/-0.225 χ^2/NDF:2503.3/6

+ sign 787.011+/-0.152 χ^2/NDF: 15151.7/23

All: 788.417+/-0.107 χ^2/NDF: 25033.2/48

- sign 789.827+/-0.152 χ^2/NDF: 9709.6/24

asym_us_avg_dit_correction_mean vs Slug



Right In: -216.184+/-449.537 χ^2/NDF: 15.3/15

Left Out: 407.878+/-511.506 χ^2/NDF:10.0/7

Right Out: 56.784+/-463.978 χ^2/NDF: 15.1/17

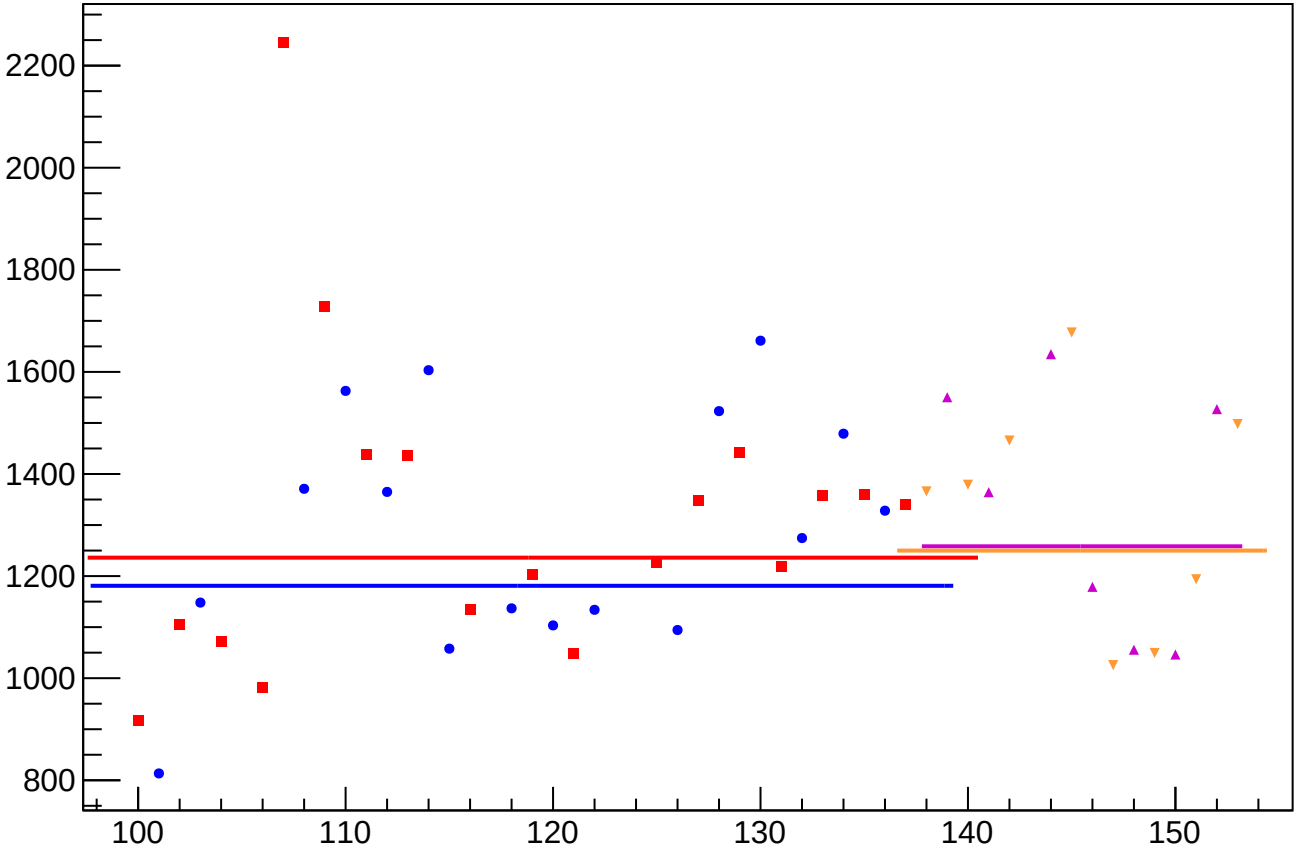
Left In: -296.085+/-517.379 χ^2/NDF:2.2/6

+ sign 55.774+/-337.666 χ^2/NDF: 26.1/23

All: -20.591+/-241.462 χ^2/NDF: 43.8/48

- sign -100.506+/-345.424 χ^2/NDF: 17.6/24

asym_us_avg_dit_correction_rms vs Slug



Right In: 1180.998+/-0.318 χ^2/NDF: 571107.8/15

Left Out: 1249.966+/-0.362 χ^2/NDF:337329.0/7

Right Out: 1236.134+/-0.328 χ^2/NDF: 397242.2/17

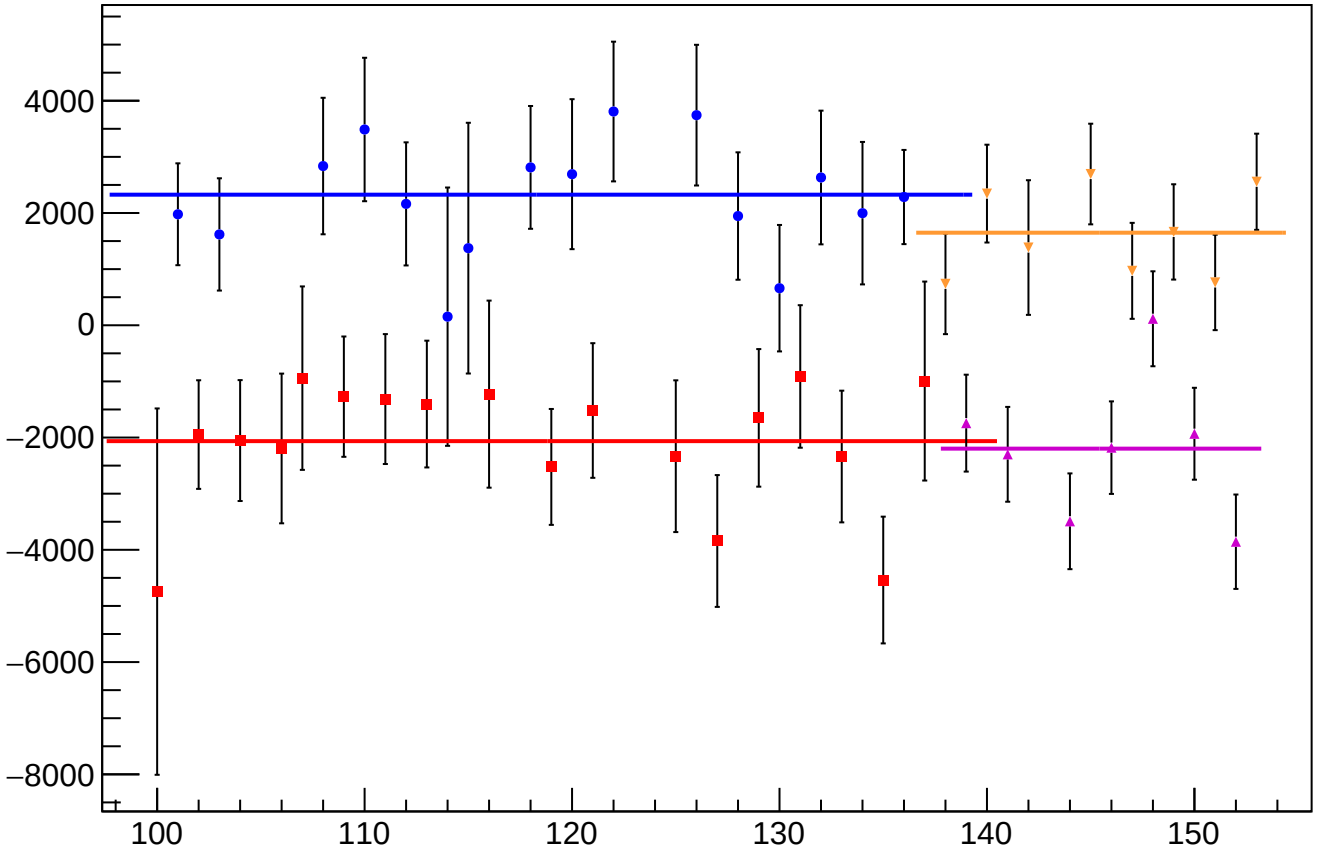
Left In: 1258.354+/-0.366 χ^2/NDF:361335.9/6

+ sign 1211.053+/-0.239 χ^2/NDF: 928951.7/23

All: 1228.149+/-0.171 χ^2/NDF: 1700065.4/48

- sign 1246.039+/-0.244 χ^2/NDF: 760622.6/24

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2326.429+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1649.130+/-316.171 χ^2/NDF:5.9/7

Right Out: -2063.975+/-291.790 χ^2/NDF: 11.6/17

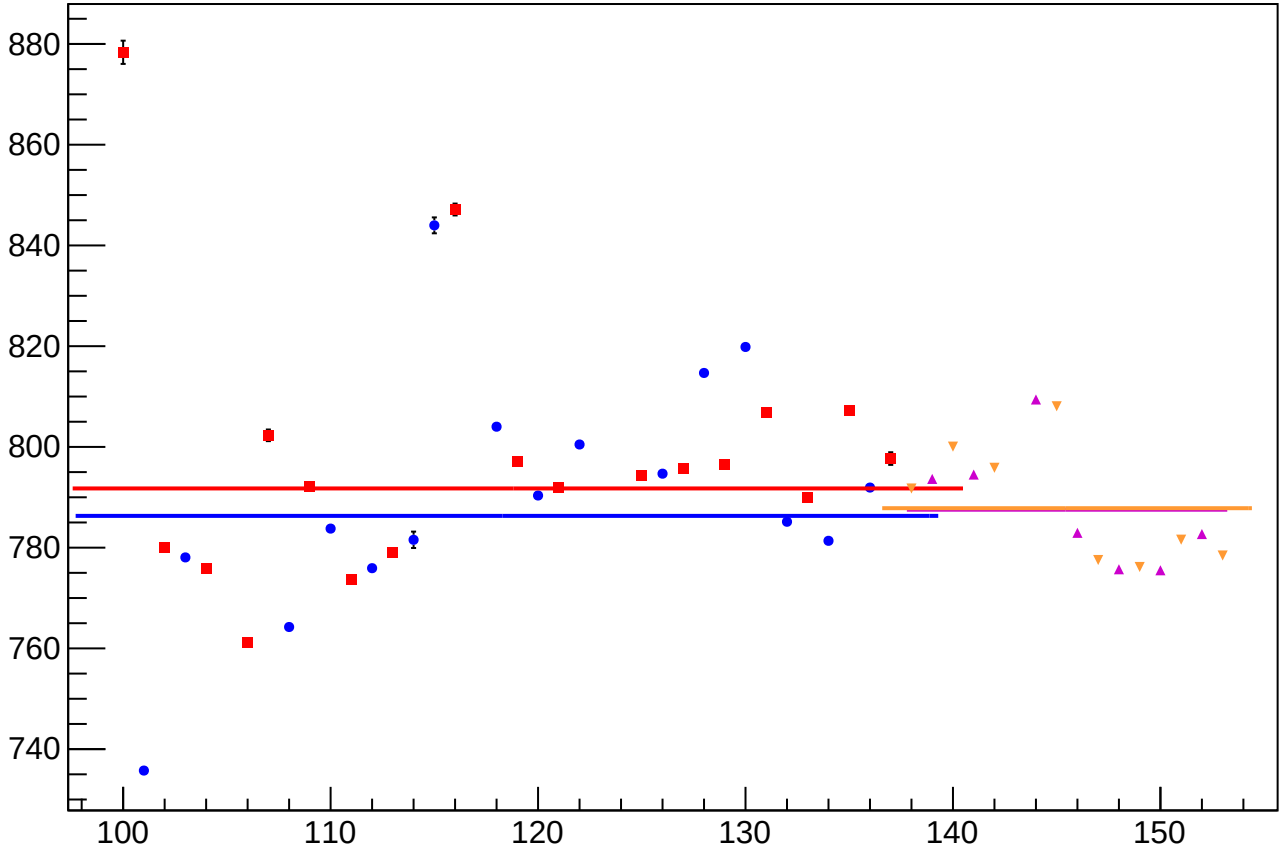
Left In: -2197.805+/-317.903 χ^2/NDF:14.1/6

+ sign 2014.453+/-214.581 χ^2/NDF: 16.5/23

All: -51.646+/-151.868 χ^2/NDF: 228.1/48

- sign -2125.169+/-214.967 χ^2/NDF: 25.8/24

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.309+/-0.207 χ^2/NDF: 12571.0/15

Left Out: 787.834+/-0.224 χ^2/NDF:2555.5/7

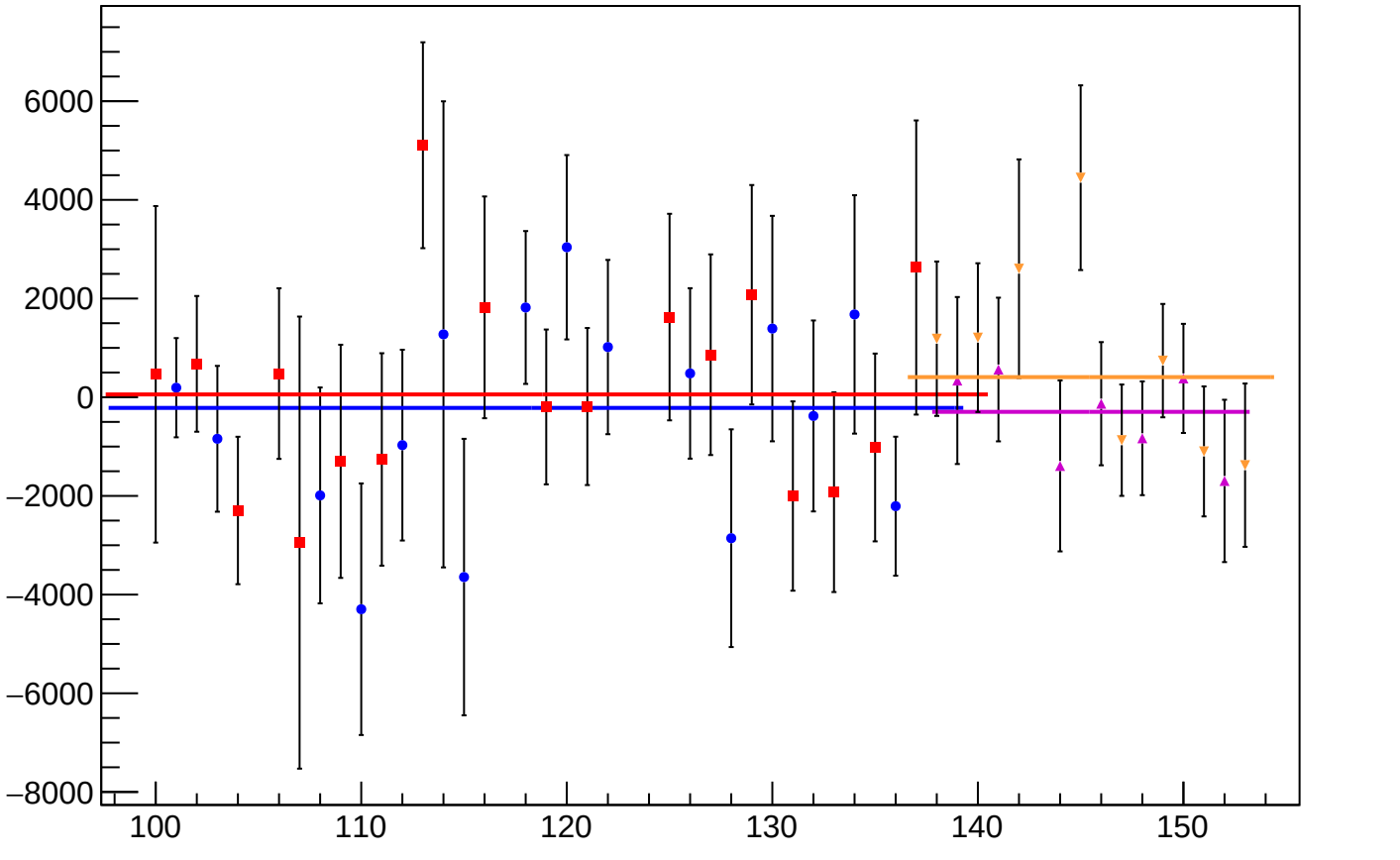
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 787.536+/-0.225 χ^2/NDF:2503.3/6

+ sign 787.011+/-0.152 χ^2/NDF: 15151.6/23

All: 788.416+/-0.107 χ^2/NDF: 25033.1/48

- sign 789.827+/-0.152 χ^2/NDF: 9709.6/24



Right In: -216.183+/-449.536 χ^2/NDF: 15.3/15

Left Out: 407.874+/-511.507 χ^2/NDF:10.0/7

Right Out: 56.784+/-463.977 χ^2/NDF: 15.1/17

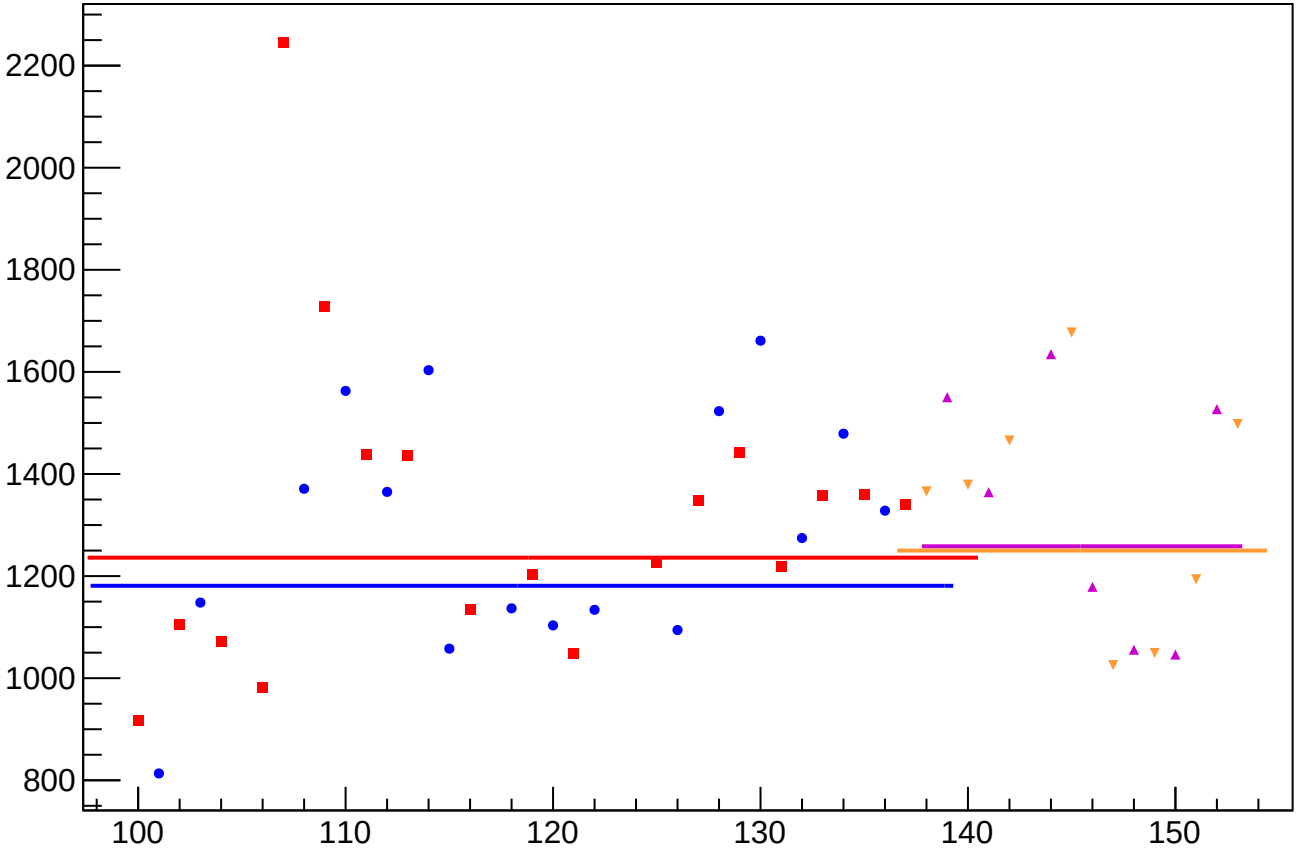
Left In: -296.087+/-517.380 χ^2/NDF:2.2/6

+ sign 55.771+/-337.666 χ^2/NDF: 26.1/23

All: -20.593+/-241.462 χ^2/NDF: 43.8/48

- sign -100.506+/-345.424 χ^2/NDF: 17.6/24

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1180.995+/-0.318 χ^2/NDF: 571105.7/15

Left Out: 1249.968+/-0.362 χ^2/NDF:337330.6/7

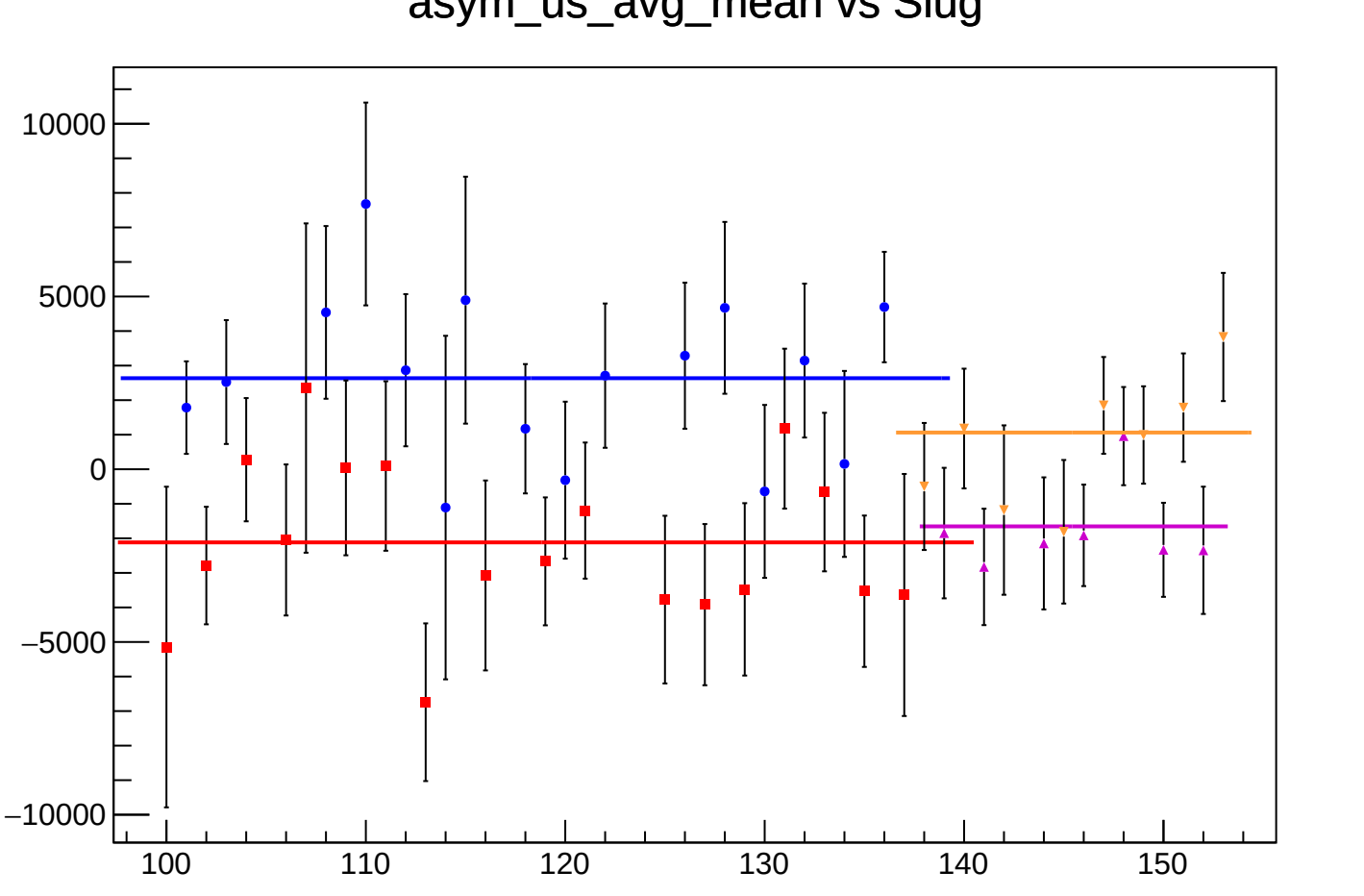
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1258.356+/-0.366 χ^2/NDF:361336.4/6

+ sign 1211.052+/-0.239 χ^2/NDF: 928954.3/23

All: 1228.148+/-0.171 χ^2/NDF: 1700068.0/48

- sign 1246.038+/-0.244 χ^2/NDF: 760622.7/24



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 1062.633+/-604.513 χ^2/NDF:6.2/7

Right Out: -2117.162+/-547.483 χ^2/NDF: 13.7/17

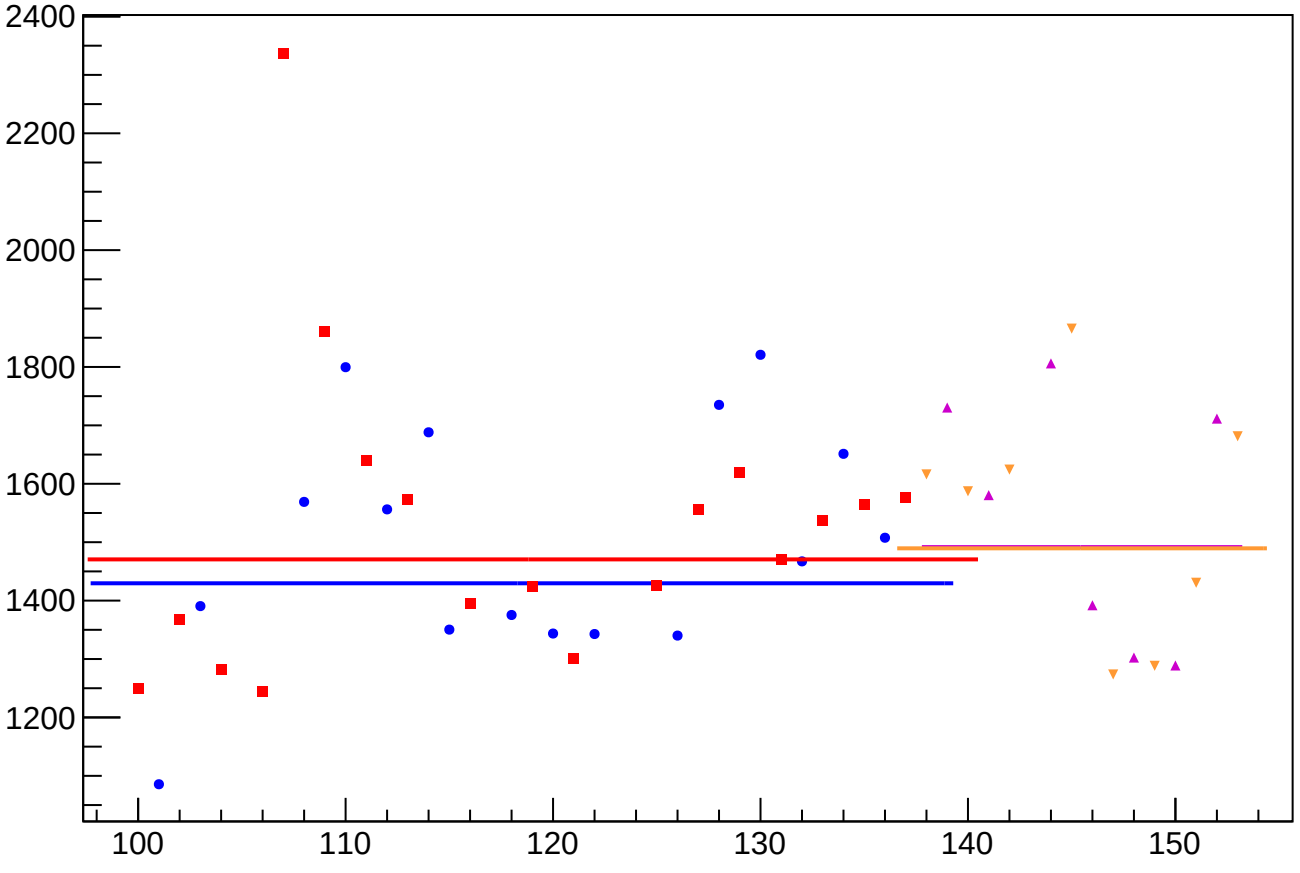
Left In: -1653.489+/-608.702 χ^2/NDF:4.4/6

+ sign 1940.216+/-401.904 χ^2/NDF: 22.3/23

All: 39.728+/-285.994 χ^2/NDF: 86.0/48

- sign -1909.808+/-407.057 χ^2/NDF: 18.4/24

asym_us_avg_rms vs Slug



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1489.501+/-0.427 χ^2/NDF:199819.5/7

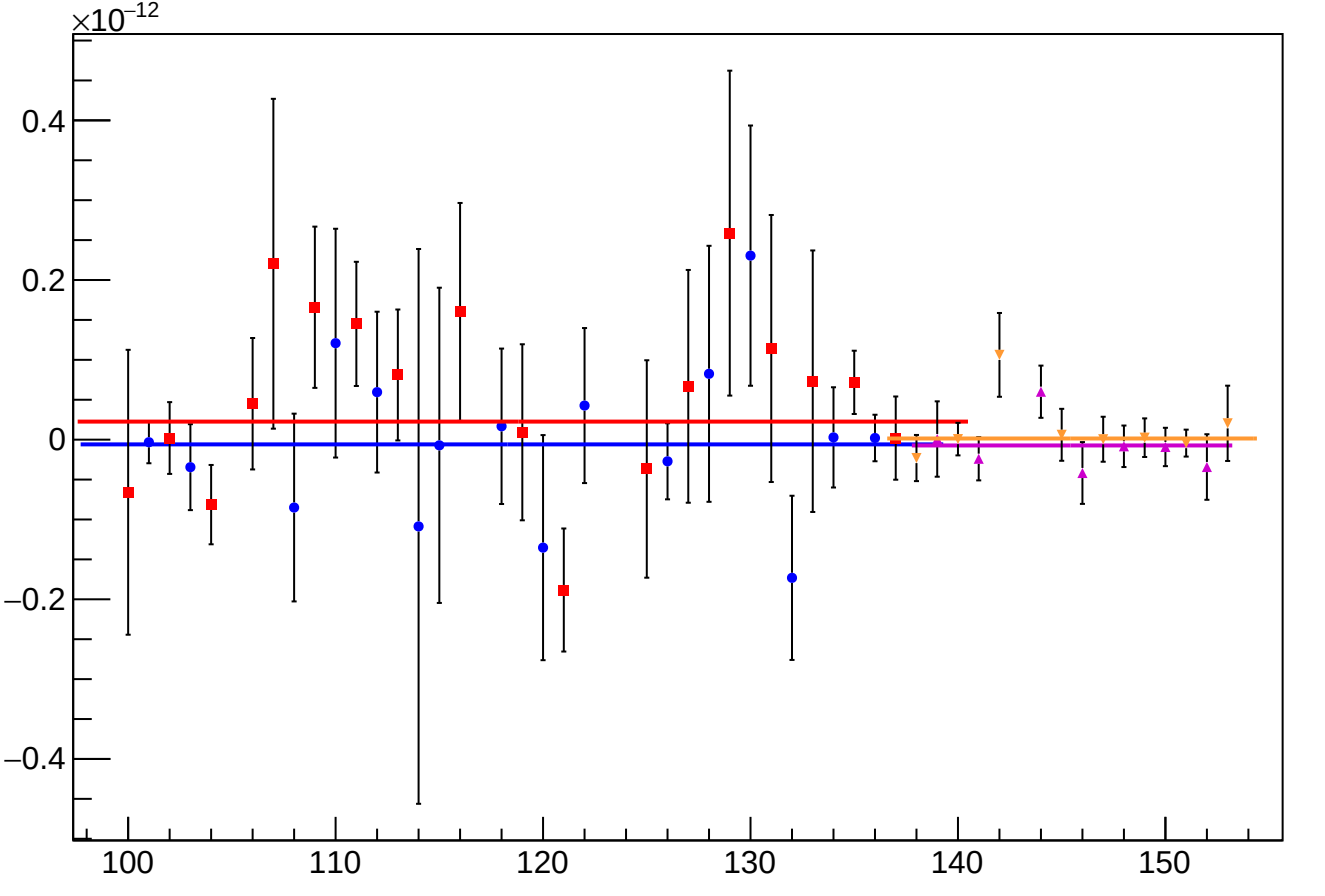
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1491.649+/-0.430 χ^2/NDF:209126.1/6

+ sign 1456.107+/-0.284 χ^2/NDF: 504145.7/23

All: 1467.898+/-0.202 χ^2/NDF: 936153.1/48

- sign 1479.994+/-0.288 χ^2/NDF: 428520.0/24



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/7

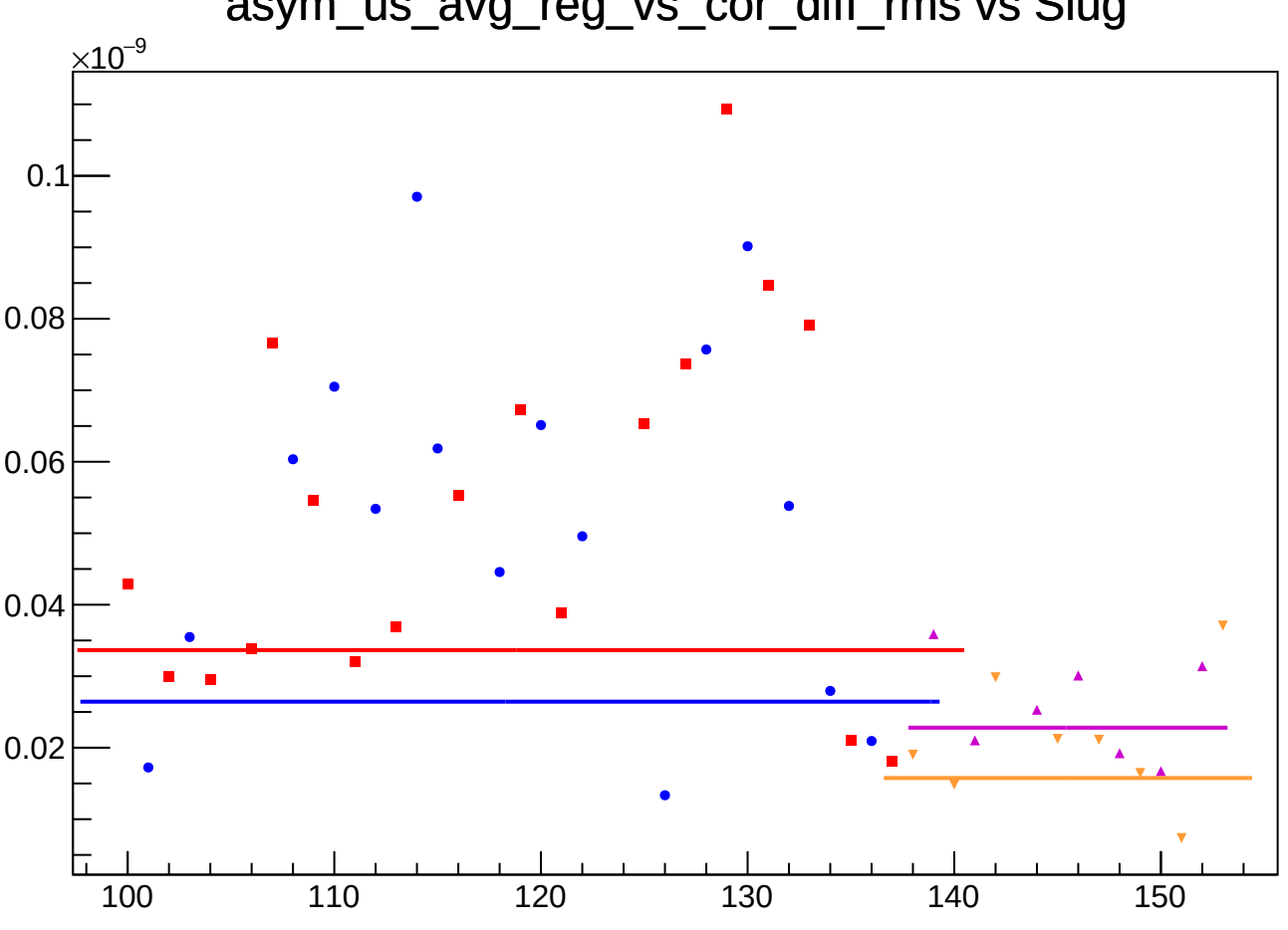
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 13.7/23

All: 0.000+/-0.000 χ^2/NDF: 44.6/48

- sign 0.000+/-0.000 χ^2/NDF: 30.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 2138464.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1208186.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1711887.8/17

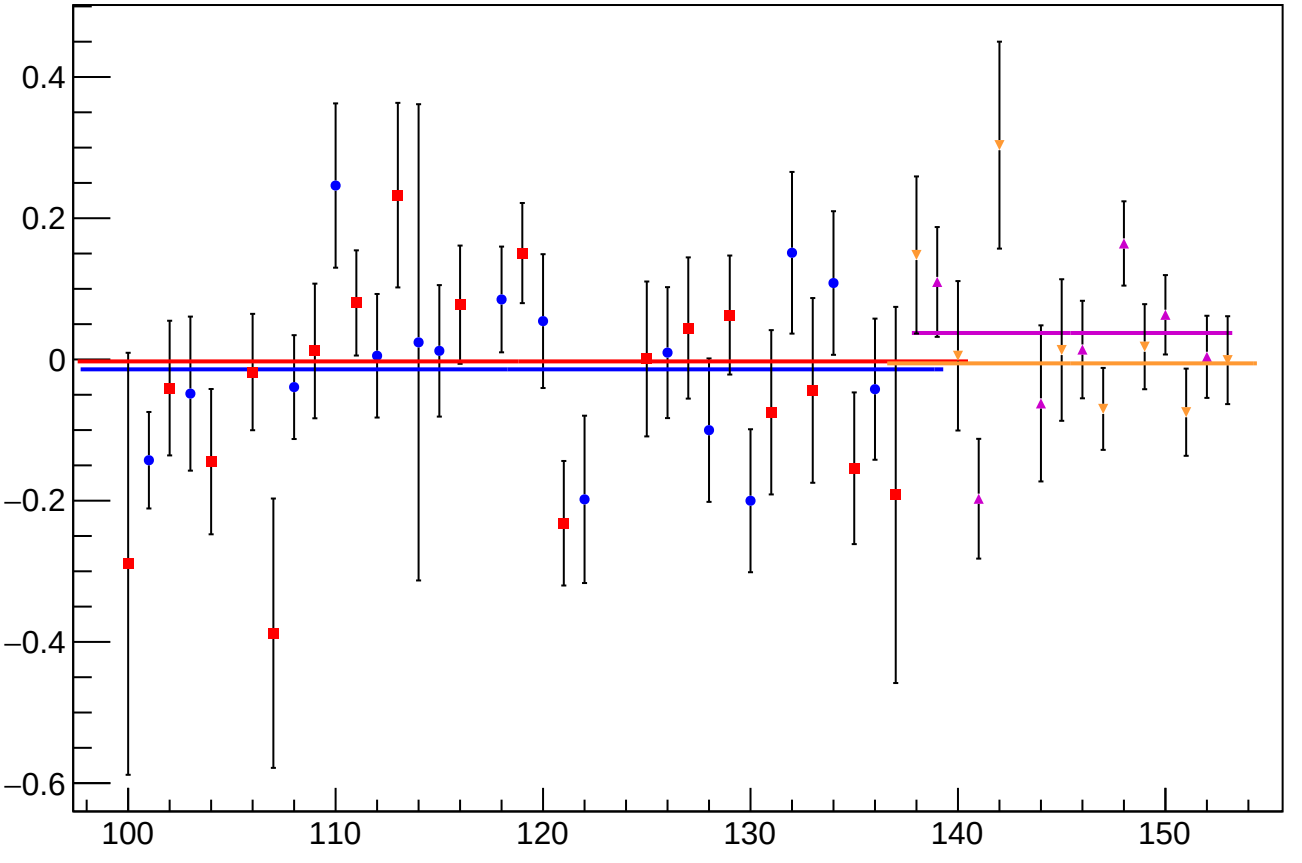
Left In: 0.000+/-0.000 χ^2/NDF:498755.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 4071013.0/23

All: 0.000+/-0.000 χ^2/NDF: 7466415.2/48

- sign 0.000+/-0.000 χ^2/NDF: 2712591.0/24

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.006+/-0.027 χ^2/NDF:9.0/7

Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

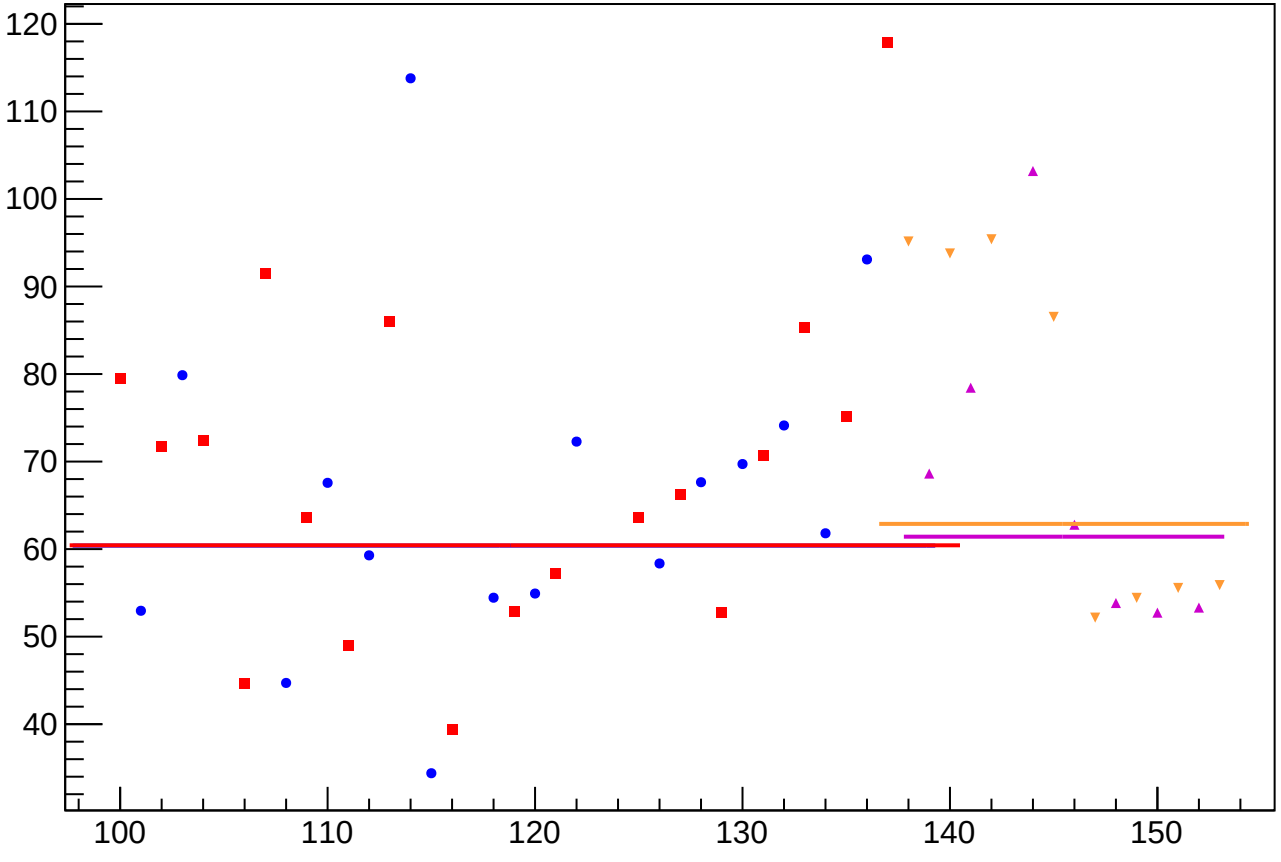
Left In: 0.037+/-0.026 χ^2/NDF:14.5/6

+ sign -0.010+/-0.018 χ^2/NDF: 30.5/23

All: 0.003+/-0.012 χ^2/NDF: 75.1/48

- sign 0.016+/-0.018 χ^2/NDF: 43.6/24

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 62.880+/-0.019 χ^2/NDF:709301.5/7

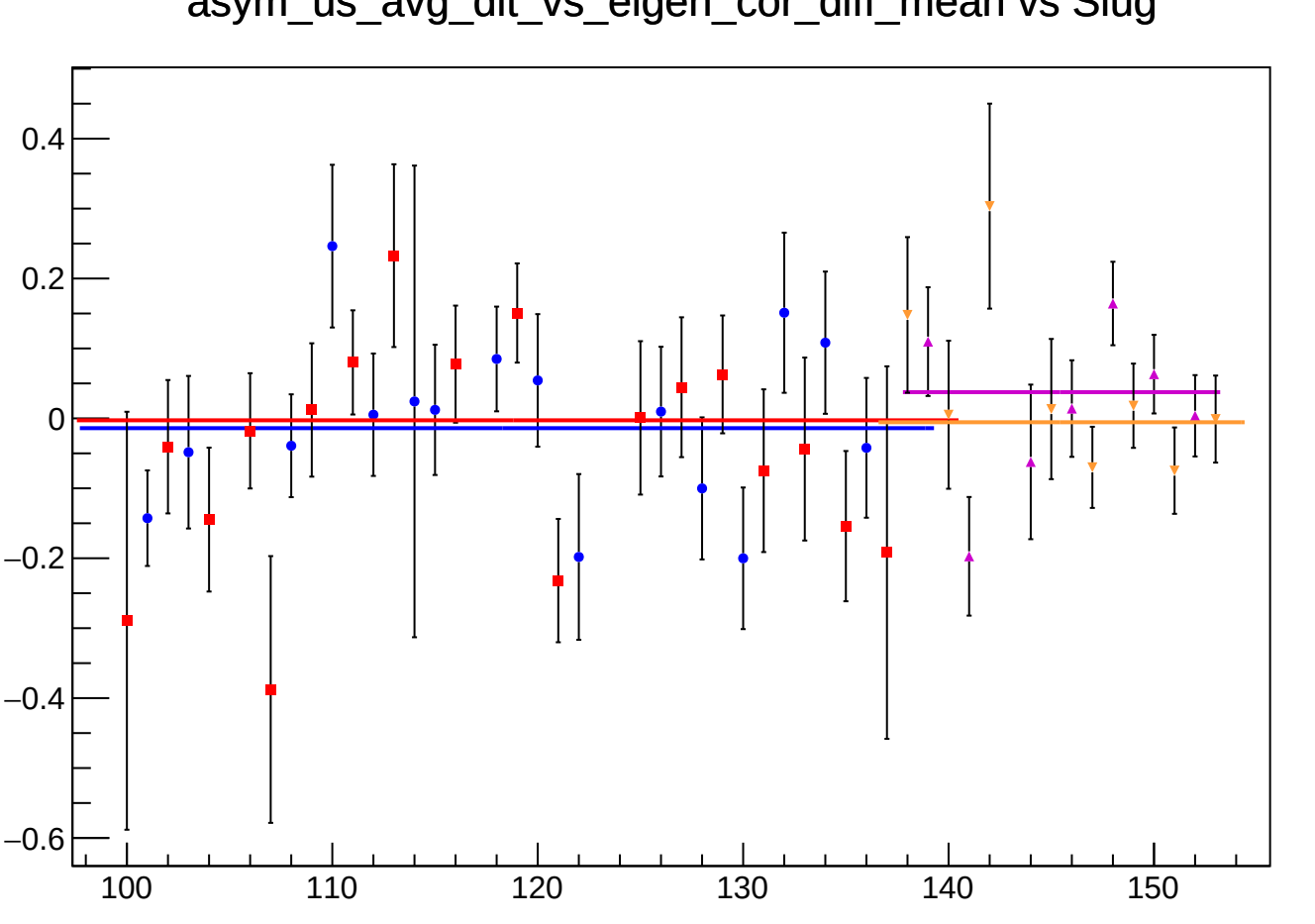
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.419+/-0.018 χ^2/NDF:502888.3/6

+ sign 61.504+/-0.013 χ^2/NDF: 1422082.9/23

All: 61.190+/-0.009 χ^2/NDF: 2638862.3/48

- sign 60.884+/-0.012 χ^2/NDF: 1215548.6/24



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.006+/-0.027 χ^2/NDF:9.0/7

Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

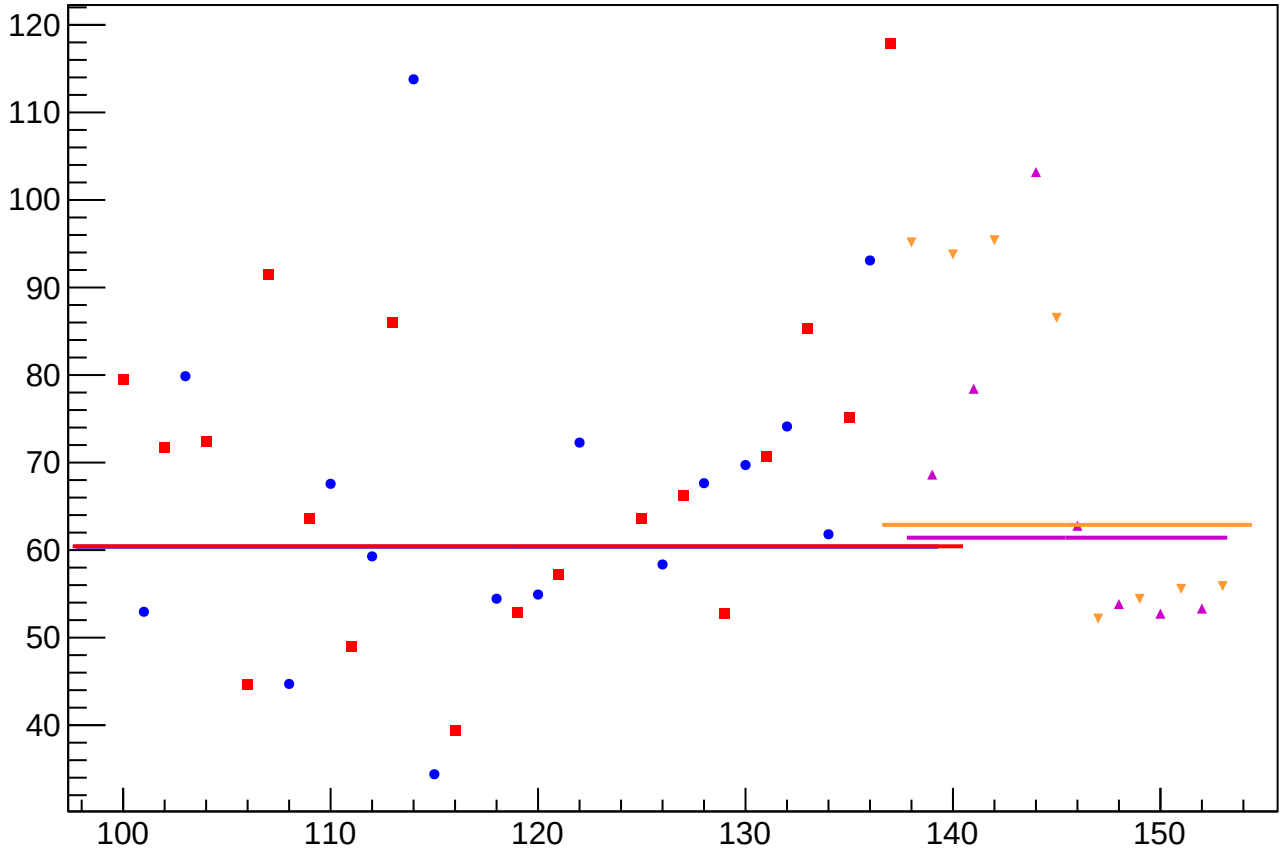
Left In: 0.037+/-0.026 χ^2/NDF:14.5/6

+ sign -0.010+/-0.018 χ^2/NDF: 30.5/23

All: 0.003+/-0.012 χ^2/NDF: 75.1/48

- sign 0.016+/-0.018 χ^2/NDF: 43.6/24

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 62.880+/-0.019 χ^2/NDF:709301.5/7

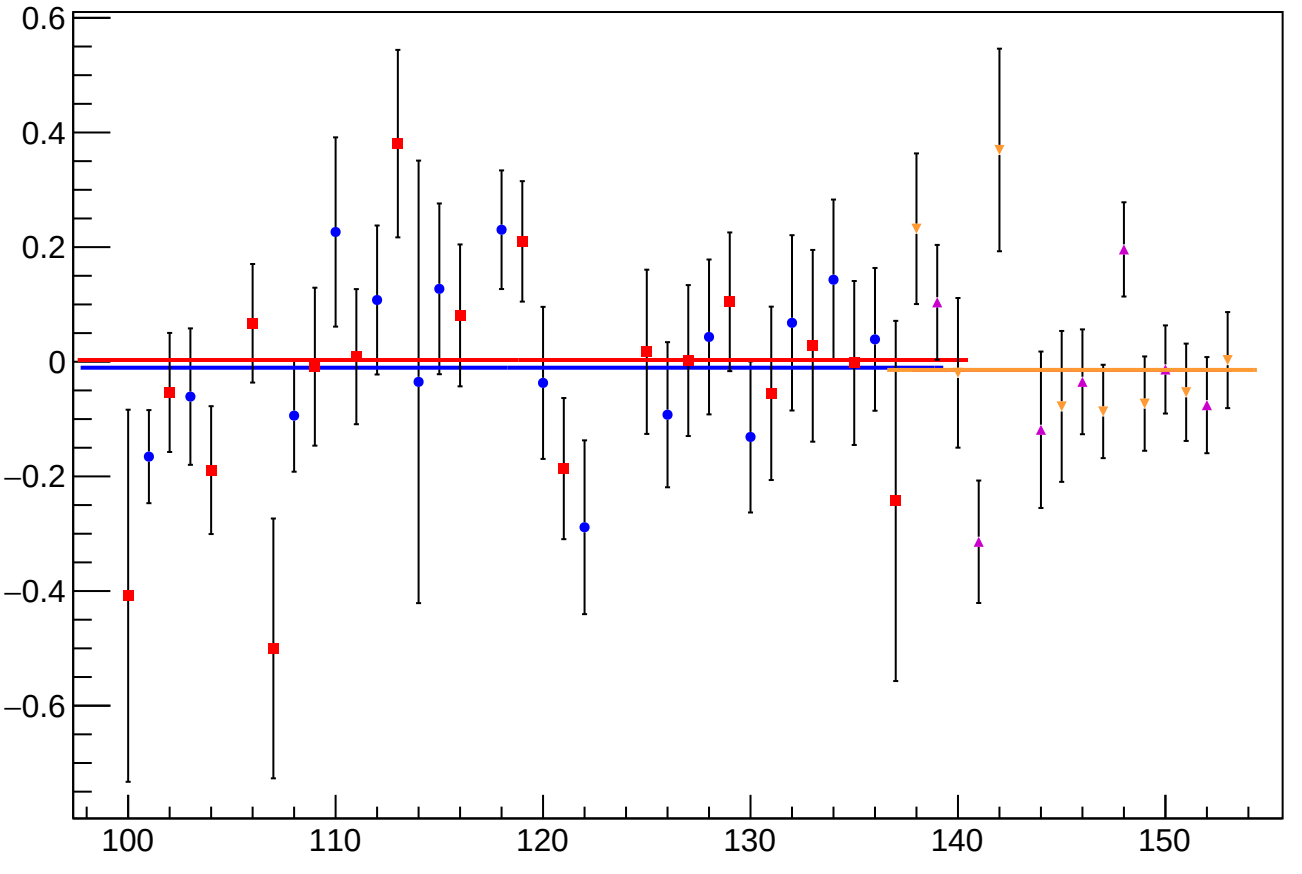
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.419+/-0.018 χ^2/NDF:502888.3/6

+ sign 61.504+/-0.013 χ^2/NDF: 1422082.9/23

All: 61.190+/-0.009 χ^2/NDF: 2638862.3/48

- sign 60.884+/-0.012 χ^2/NDF: 1215548.6/24



Right In: -0.010+/-0.032 χ^2/NDF: 20.2/15

Left Out: -0.014+/-0.036 χ^2/NDF:10.0/7

Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

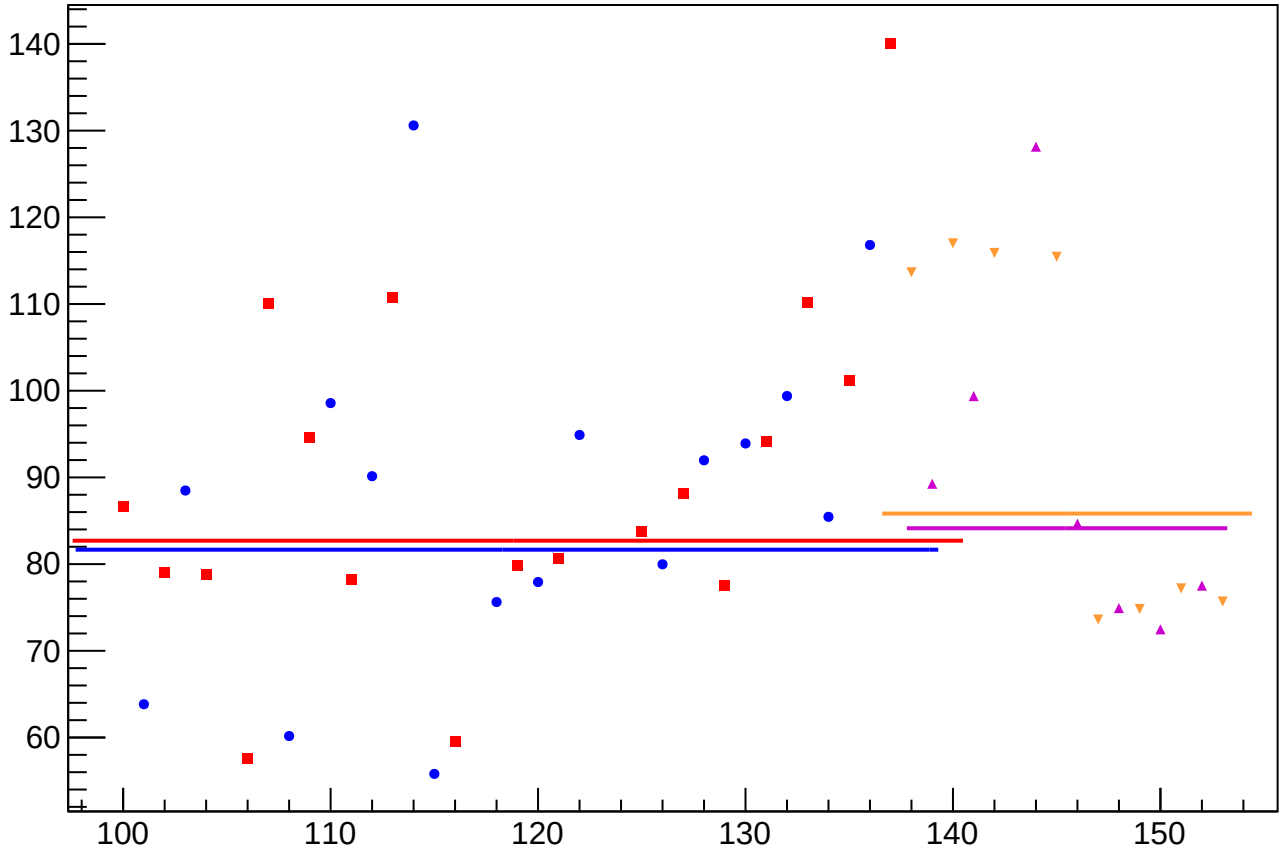
Left In: -0.014+/-0.035 χ^2/NDF:17.0/6

+ sign -0.012+/-0.024 χ^2/NDF: 30.2/23

All: -0.008+/-0.017 χ^2/NDF: 71.0/48

- sign -0.005+/-0.023 χ^2/NDF: 40.8/24

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.664+/-0.022 χ^2/NDF: 561848.8/15

Left Out: 85.831+/-0.025 χ^2/NDF:493585.9/7

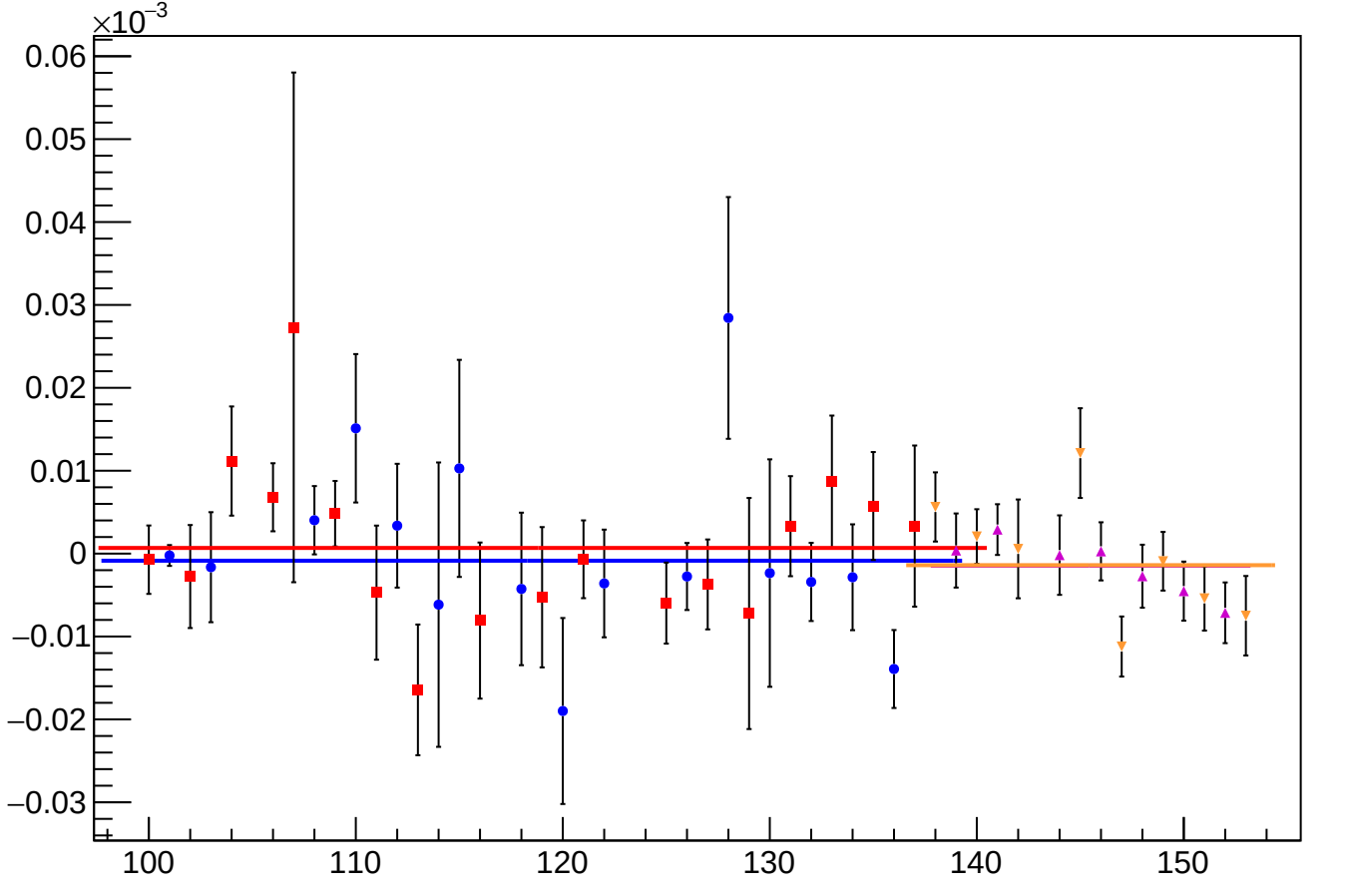
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 84.136+/-0.025 χ^2/NDF:337628.8/6

+ sign 83.497+/-0.017 χ^2/NDF: 1070726.5/23

All: 83.423+/-0.012 χ^2/NDF: 1883308.6/48

- sign 83.350+/-0.017 χ^2/NDF: 812543.7/24



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/7

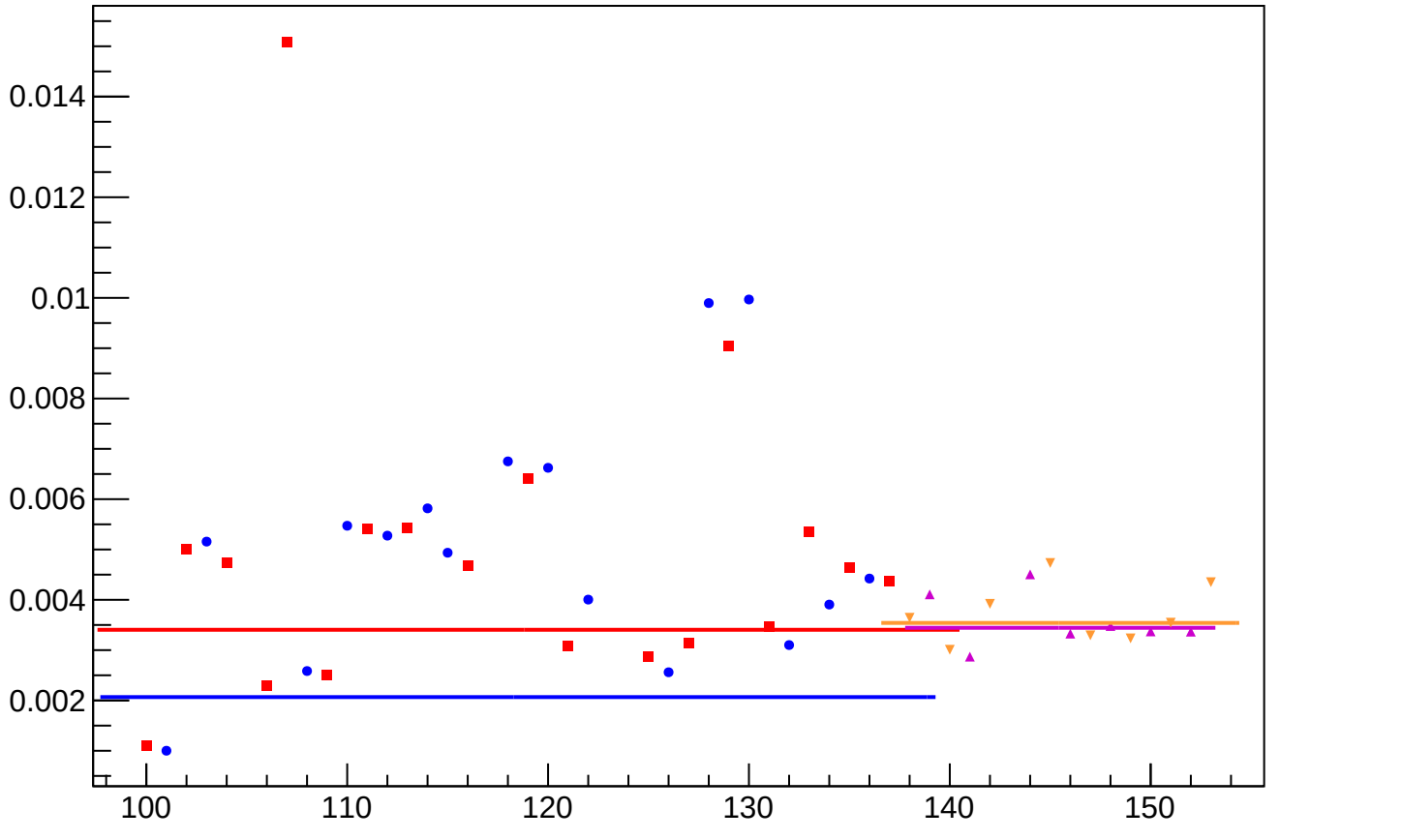
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/17

Left In: -0.000+/-0.000 χ^2/NDF:5.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/23

All: -0.000+/-0.000 χ^2/NDF: 67.2/48

- sign -0.000+/-0.000 χ^2/NDF: 25.2/24



Right In: 0.002+/-0.000 χ^2/NDF: 5813338.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:240035.7/7

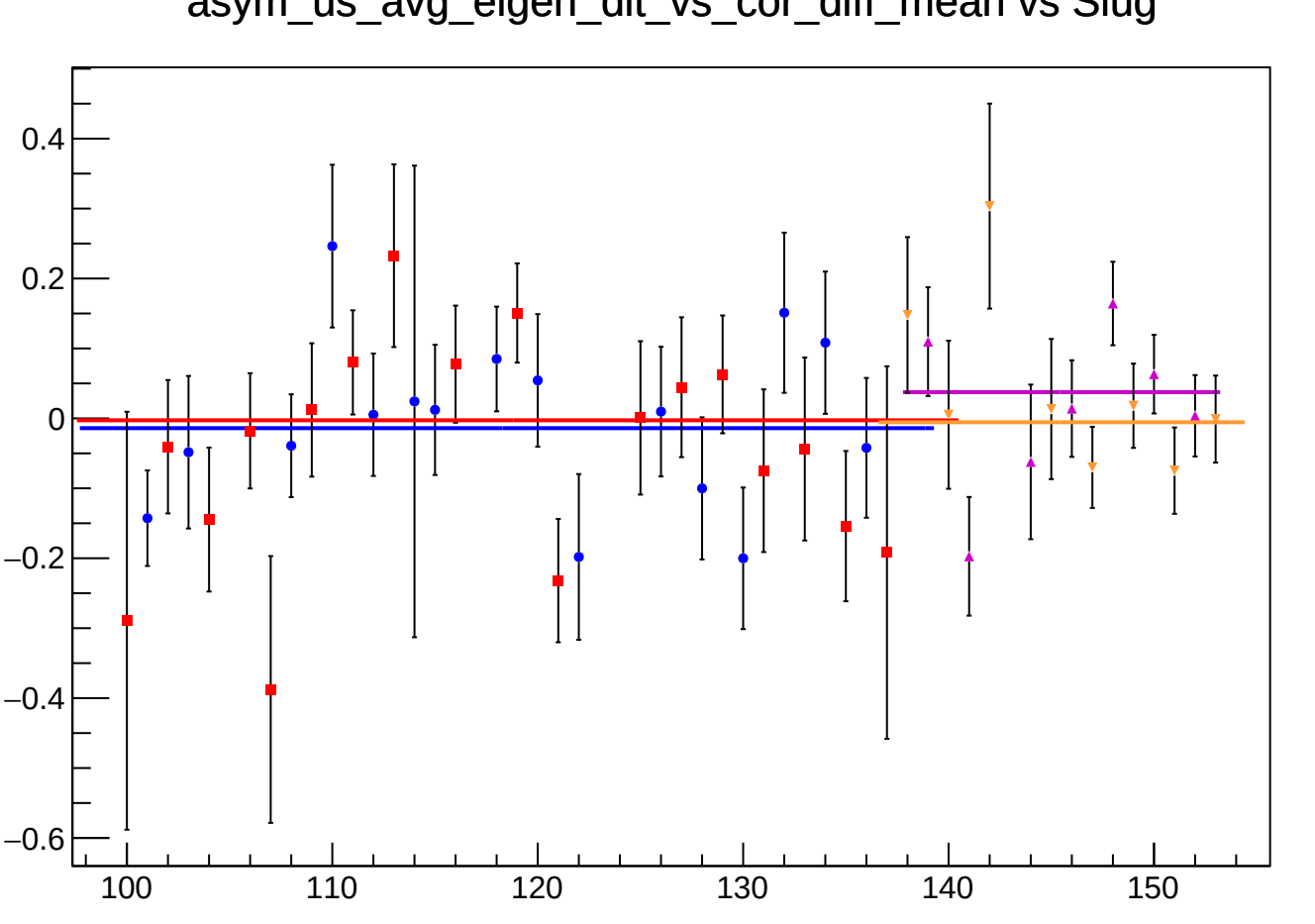
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:216593.0/6

+ sign 0.003+/-0.000 χ^2/NDF: 7451289.6/23

All: 0.003+/-0.000 χ^2/NDF: 11068176.8/48

- sign 0.003+/-0.000 χ^2/NDF: 2708673.4/24



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.006+/-0.027 χ^2/NDF:9.0/7

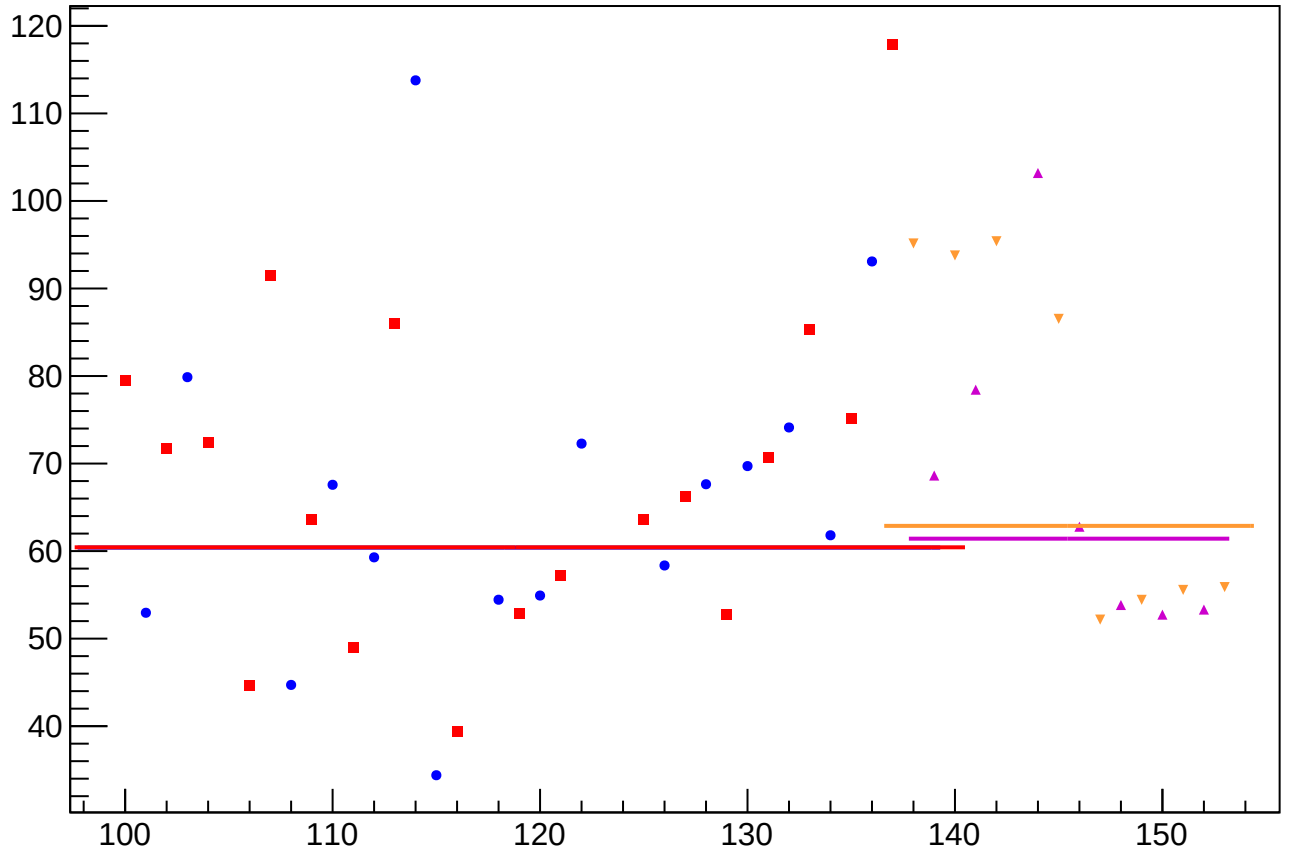
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.037+/-0.026 χ^2/NDF:14.5/6

+ sign -0.010+/-0.018 χ^2/NDF: 30.5/23

All: 0.003+/-0.012 χ^2/NDF: 75.1/48

- sign 0.016+/-0.018 χ^2/NDF: 43.6/24



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 62.880+/-0.019 χ^2/NDF:709292.7/7

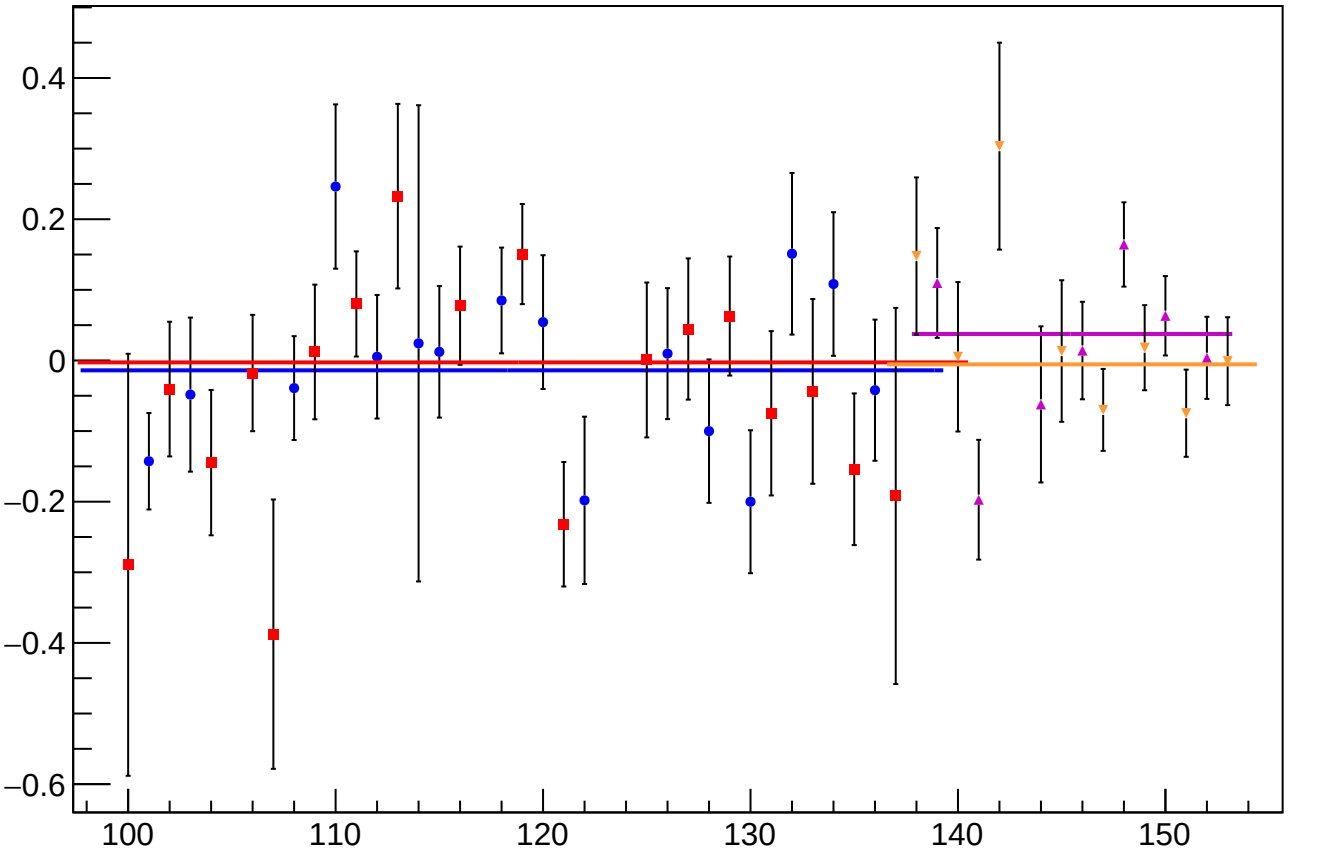
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.419+/-0.018 χ^2/NDF:502883.2/6

+ sign 61.503+/-0.013 χ^2/NDF: 1422099.5/23

All: 61.189+/-0.009 χ^2/NDF: 2638909.6/48

- sign 60.884+/-0.012 χ^2/NDF: 1215578.6/24



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.006+/-0.027 χ^2/NDF:9.0/7

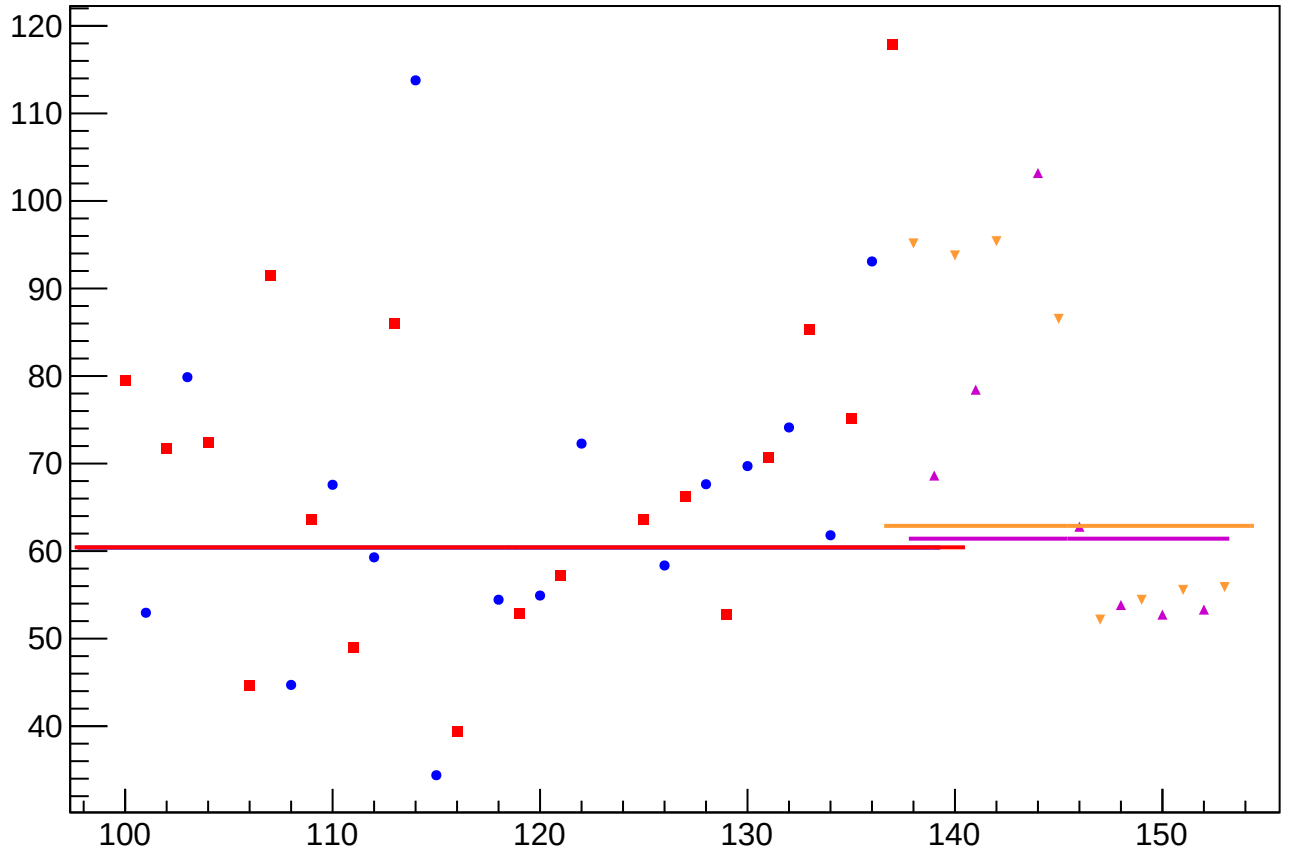
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.037+/-0.026 χ^2/NDF:14.5/6

+ sign -0.010+/-0.018 χ^2/NDF: 30.5/23

All: 0.003+/-0.012 χ^2/NDF: 75.1/48

- sign 0.016+/-0.018 χ^2/NDF: 43.6/24



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 62.880+/-0.019 χ^2/NDF:709292.7/7

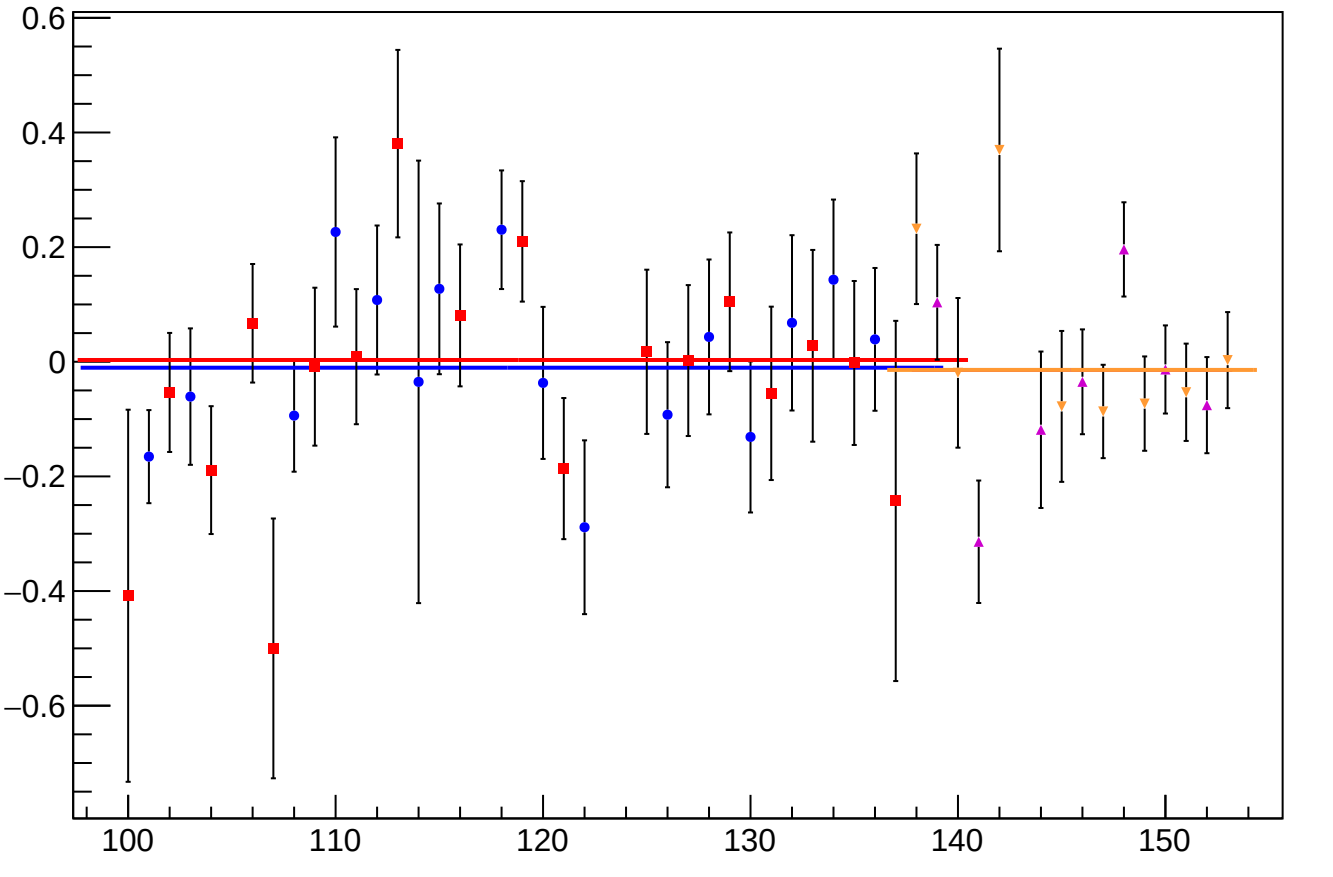
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.419+/-0.018 χ^2/NDF:502883.2/6

+ sign 61.503+/-0.013 χ^2/NDF: 1422099.5/23

All: 61.189+/-0.009 χ^2/NDF: 2638909.6/48

- sign 60.884+/-0.012 χ^2/NDF: 1215578.6/24



Right In: -0.010+/-0.032 χ^2/NDF: 20.2/15

Left Out: -0.014+/-0.036 χ^2/NDF:10.0/7

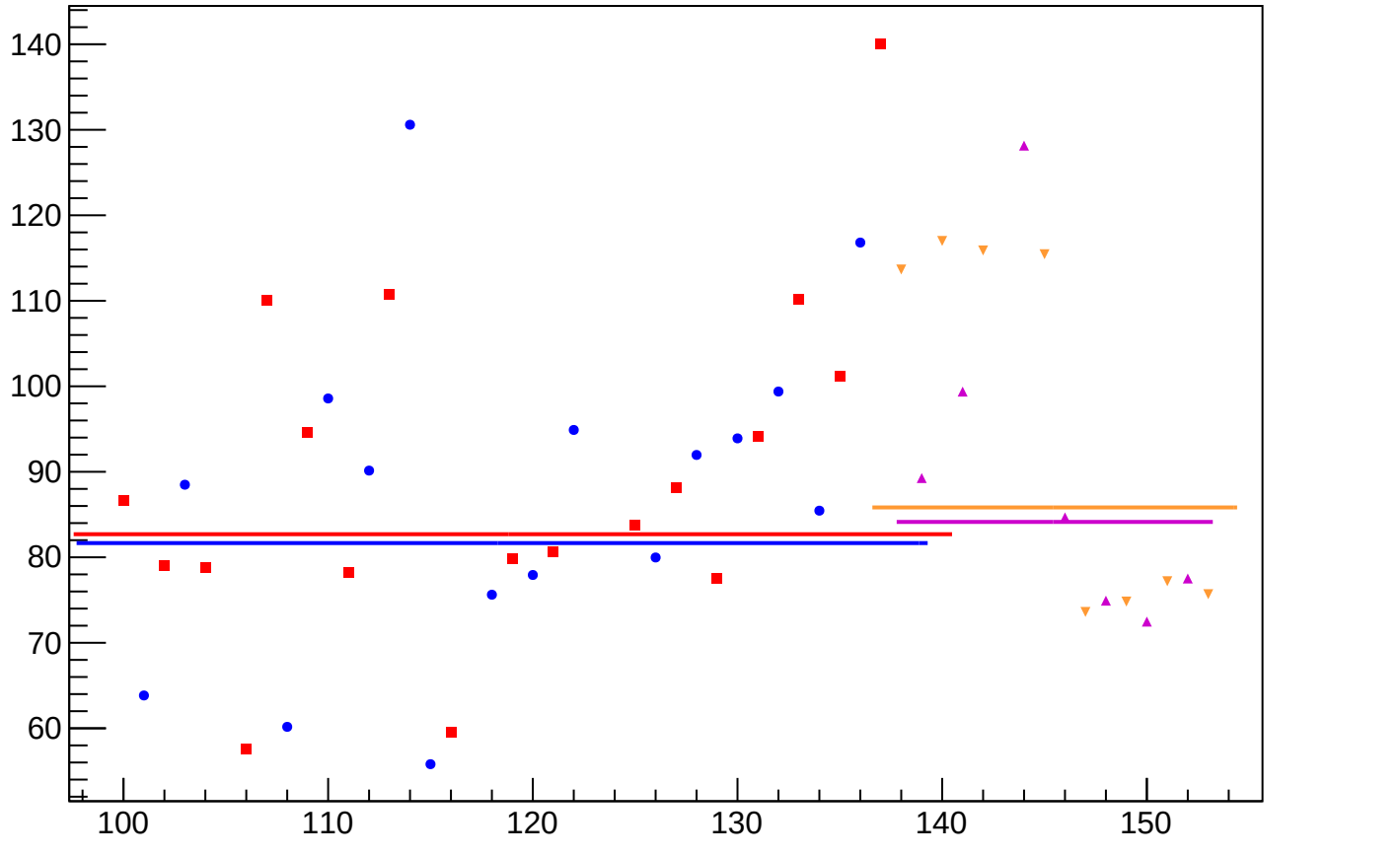
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.014+/-0.035 χ^2/NDF:17.0/6

+ sign -0.012+/-0.024 χ^2/NDF: 30.2/23

All: -0.008+/-0.017 χ^2/NDF: 71.0/48

- sign -0.005+/-0.023 χ^2/NDF: 40.8/24



Right In: 81.663+/-0.022 χ^2/NDF: 561836.4/15

Left Out: 85.831+/-0.025 χ^2/NDF:493581.1/7

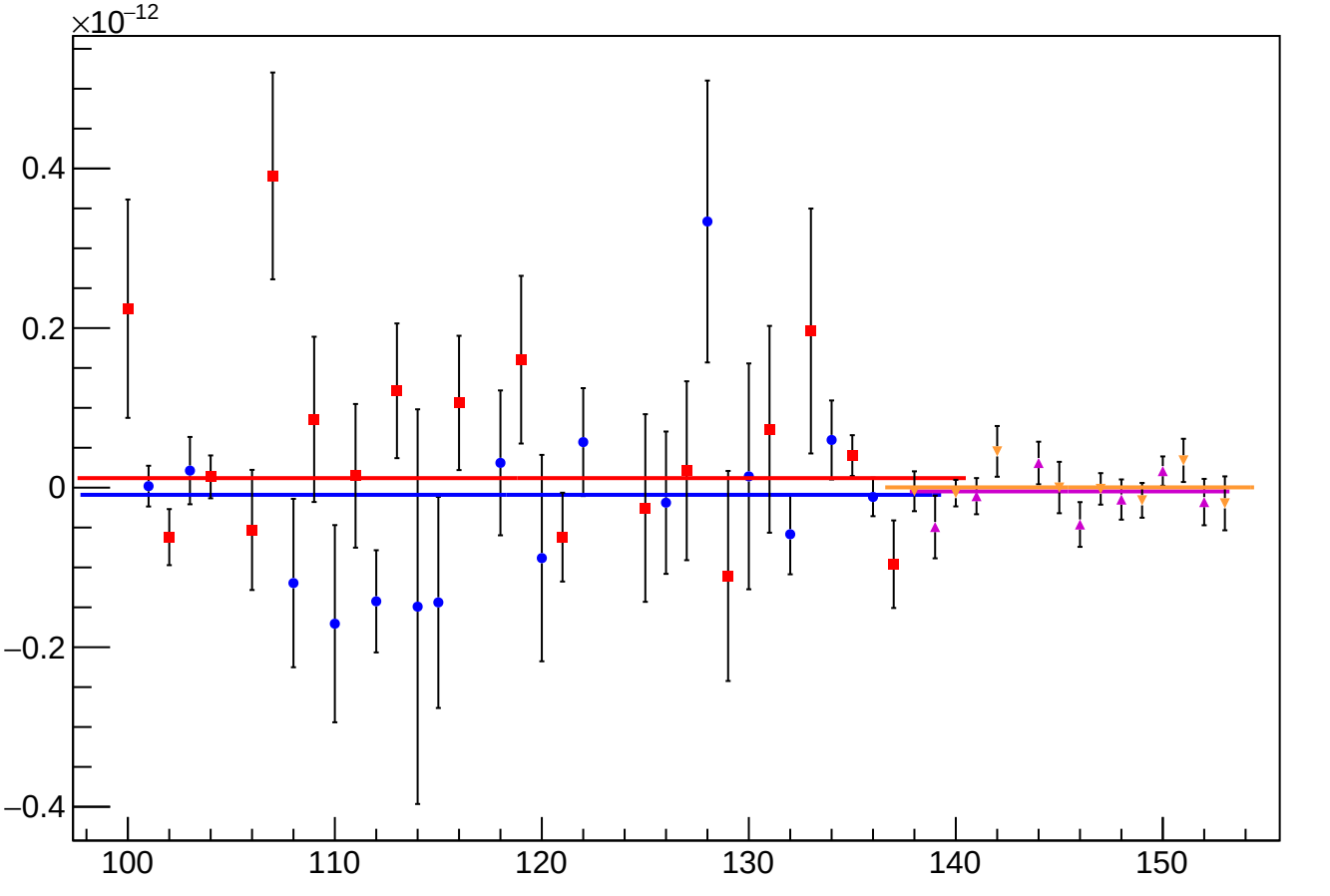
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 84.136+/-0.025 χ^2/NDF:337627.4/6

+ sign 83.496+/-0.017 χ^2/NDF: 1070717.1/23

All: 83.423+/-0.012 χ^2/NDF: 1883297.8/48

- sign 83.350+/-0.017 χ^2/NDF: 812542.2/24



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 31.1/17

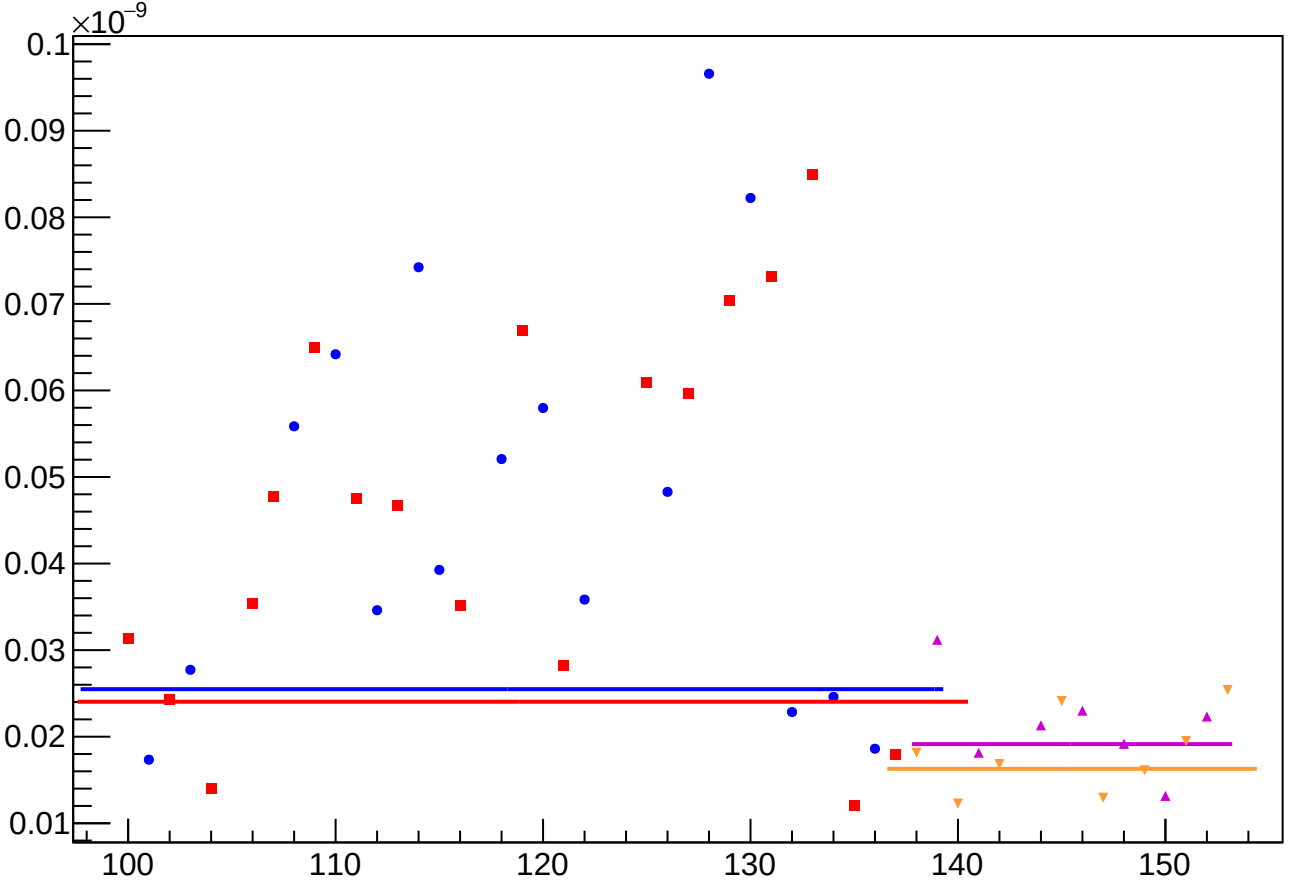
Left In: -0.000+/-0.000 χ^2/NDF:7.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/23

All: -0.000+/-0.000 χ^2/NDF: 62.3/48

- sign 0.000+/-0.000 χ^2/NDF: 39.7/24

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1999848.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:476387.5/7

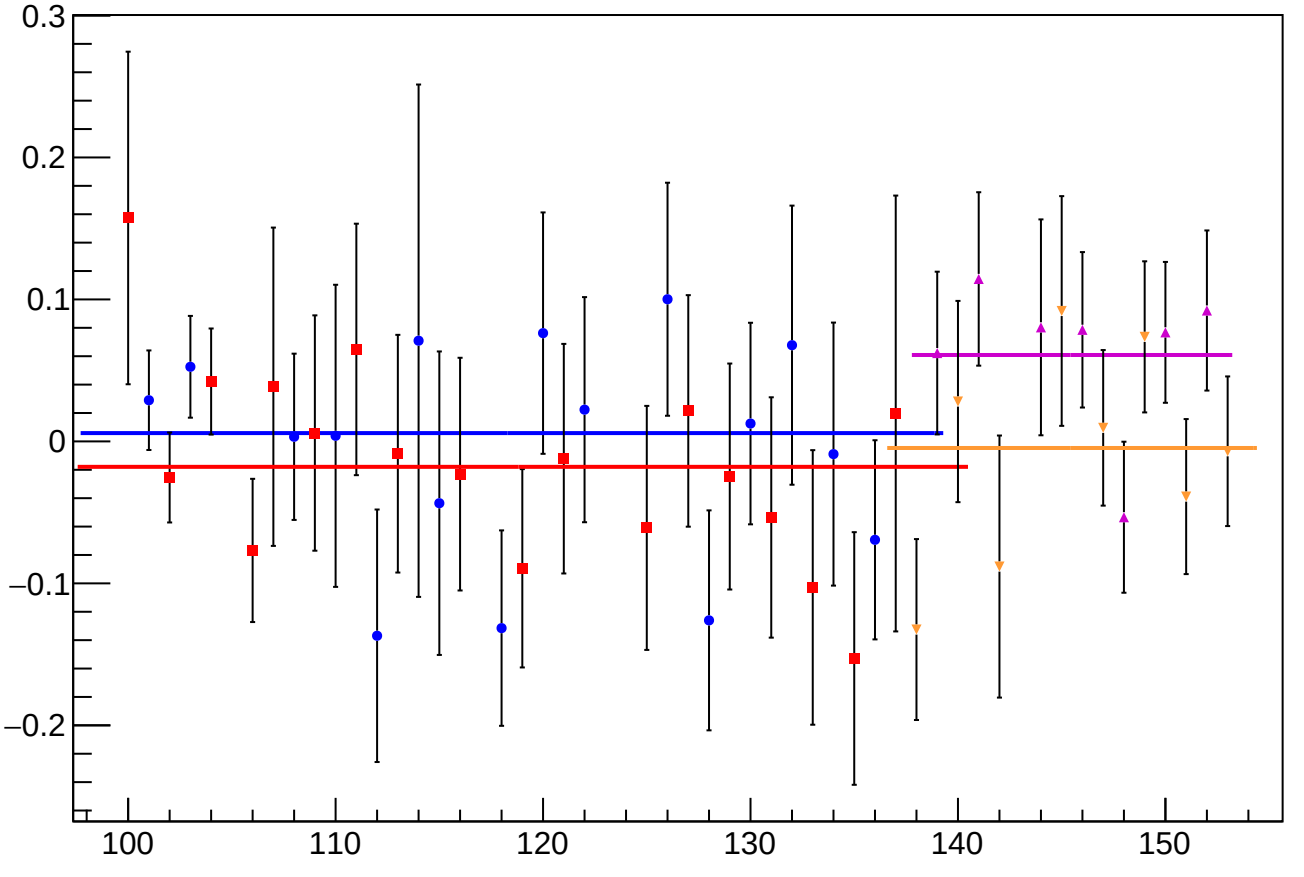
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:479475.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 3163350.3/23

All: 0.000+/-0.000 χ^2/NDF: 6966416.8/48

- sign 0.000+/-0.000 χ^2/NDF: 3741367.1/24



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

Left Out: -0.005+/-0.022 χ^2/NDF:9.1/7

Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

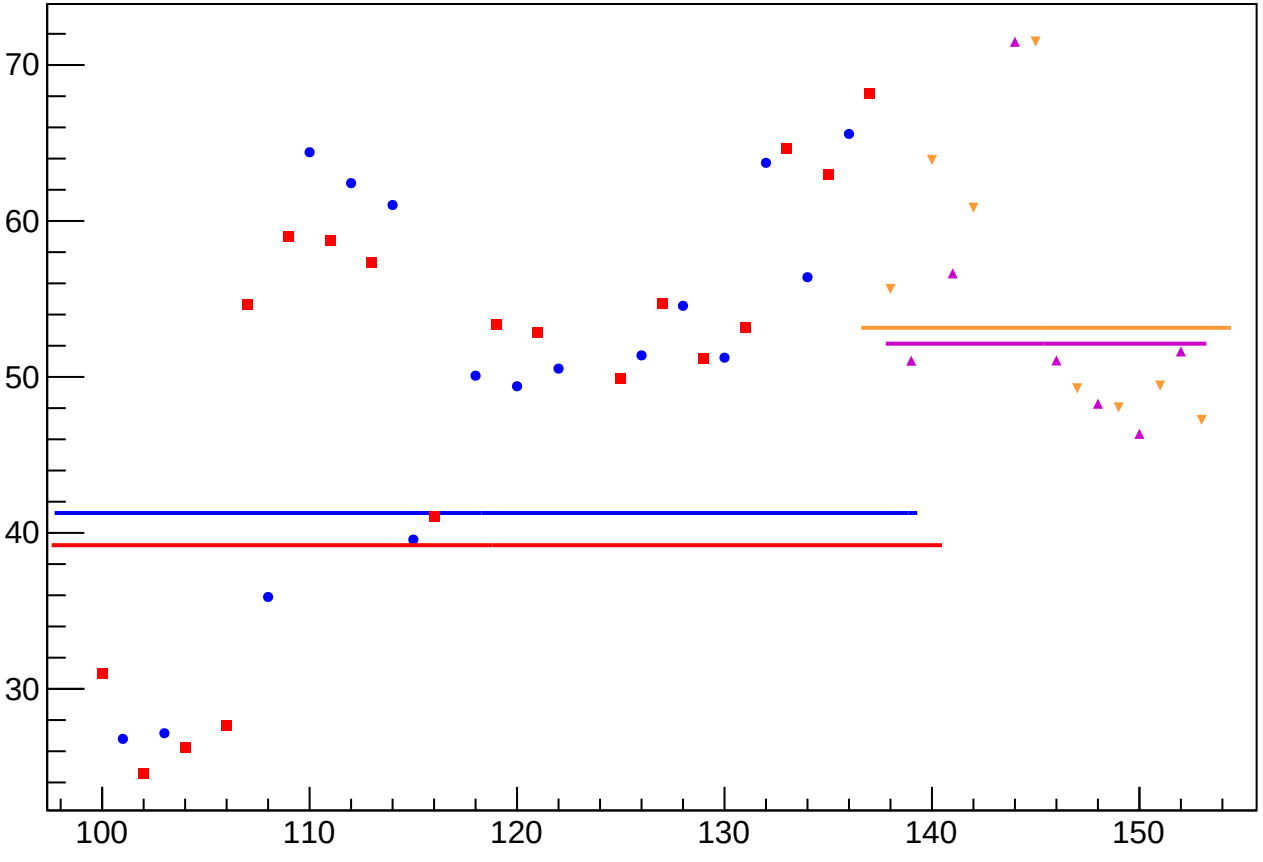
Left In: 0.061+/-0.022 χ^2/NDF:6.0/6

+ sign 0.002+/-0.013 χ^2/NDF: 24.8/23

All: 0.006+/-0.009 χ^2/NDF: 52.0/48

- sign 0.009+/-0.013 χ^2/NDF: 27.0/24

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 41.277+/-0.012 χ^2/NDF: 1505245.8/15

Left Out: 53.152+/-0.015 χ^2/NDF:228729.4/7

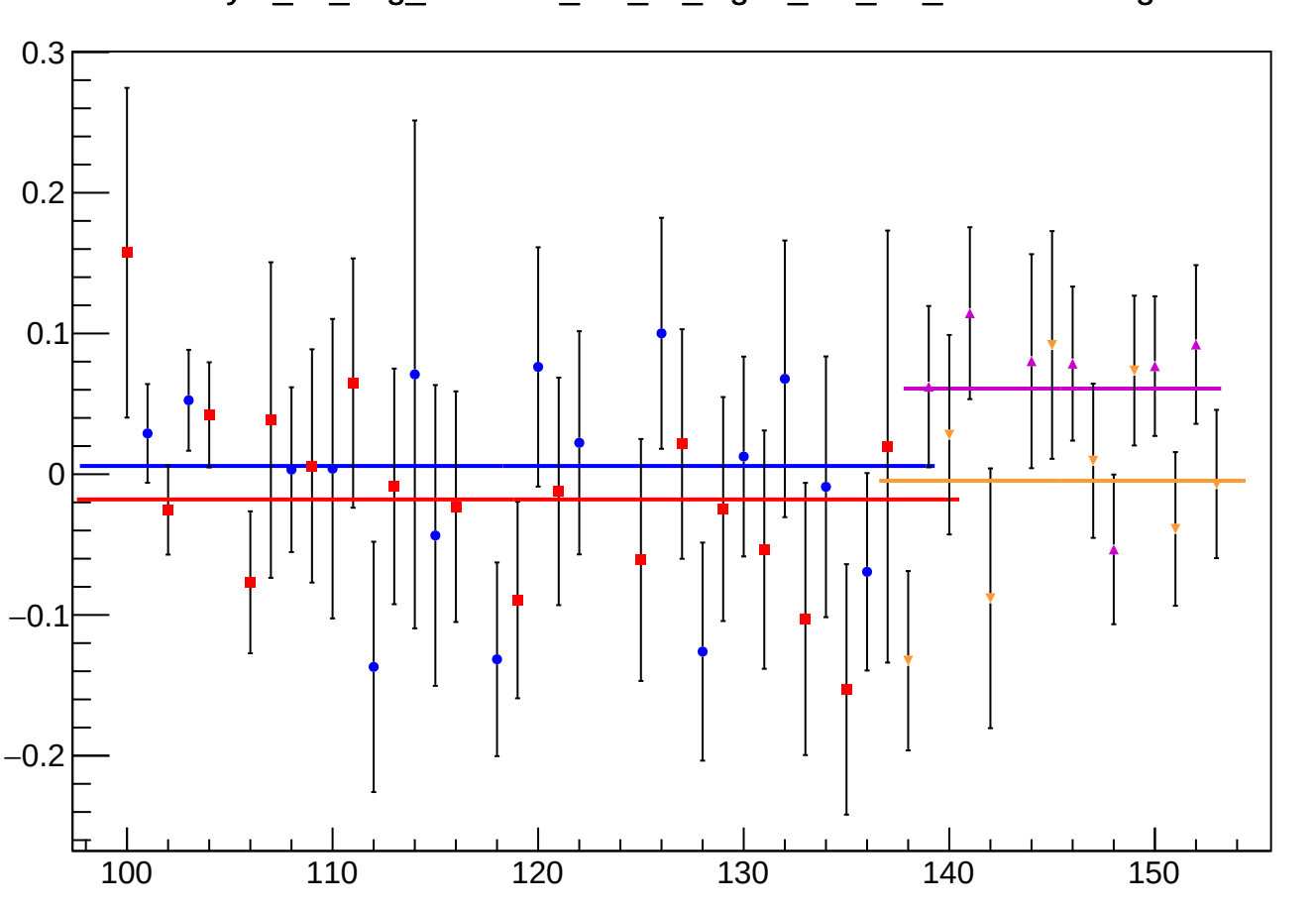
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

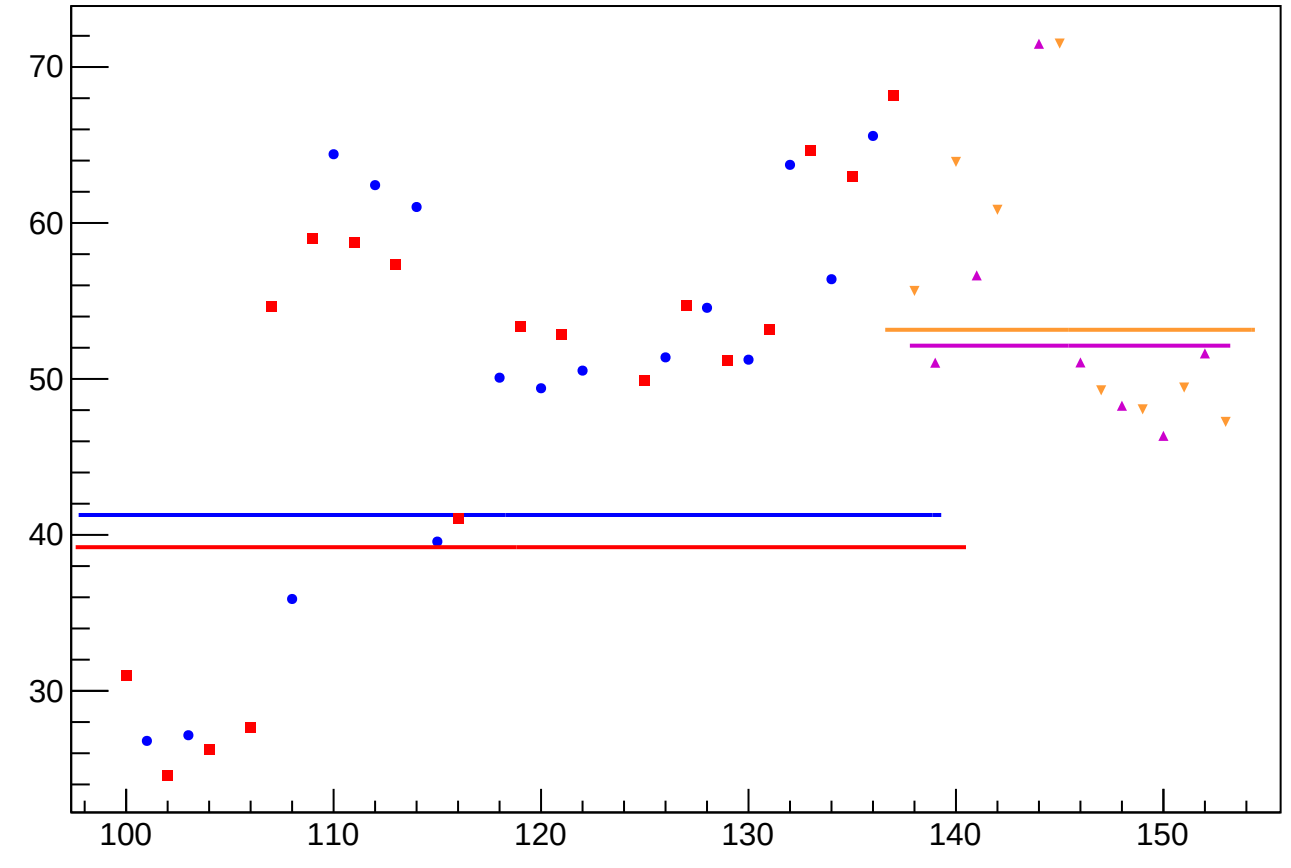
Left In: 52.133+/-0.015 χ^2/NDF:179835.4/6

+ sign 45.601+/-0.009 χ^2/NDF: 2110051.3/23

All: 44.619+/-0.006 χ^2/NDF: 4600295.5/48

- sign 43.705+/-0.009 χ^2/NDF: 2468791.3/24


asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.006+/-0.017 χ²/NDF: 15.6/15
Left Out: -0.005+/-0.022 χ²/NDF:9.1/7
Right Out: -0.018+/-0.016 χ²/NDF: 12.3/17
Left In: 0.061+/-0.022 χ²/NDF:6.0/6
+ sign 0.002+/-0.013 χ²/NDF: 24.8/23
All: 0.006+/-0.009 χ²/NDF: 52.0/48
- sign 0.009+/-0.013 χ²/NDF: 27.0/24



Right In: 41.277+/-0.012 χ^2/NDF: 1505245.8/15

Left Out: 53.152+/-0.015 χ^2/NDF:228729.4/7

Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

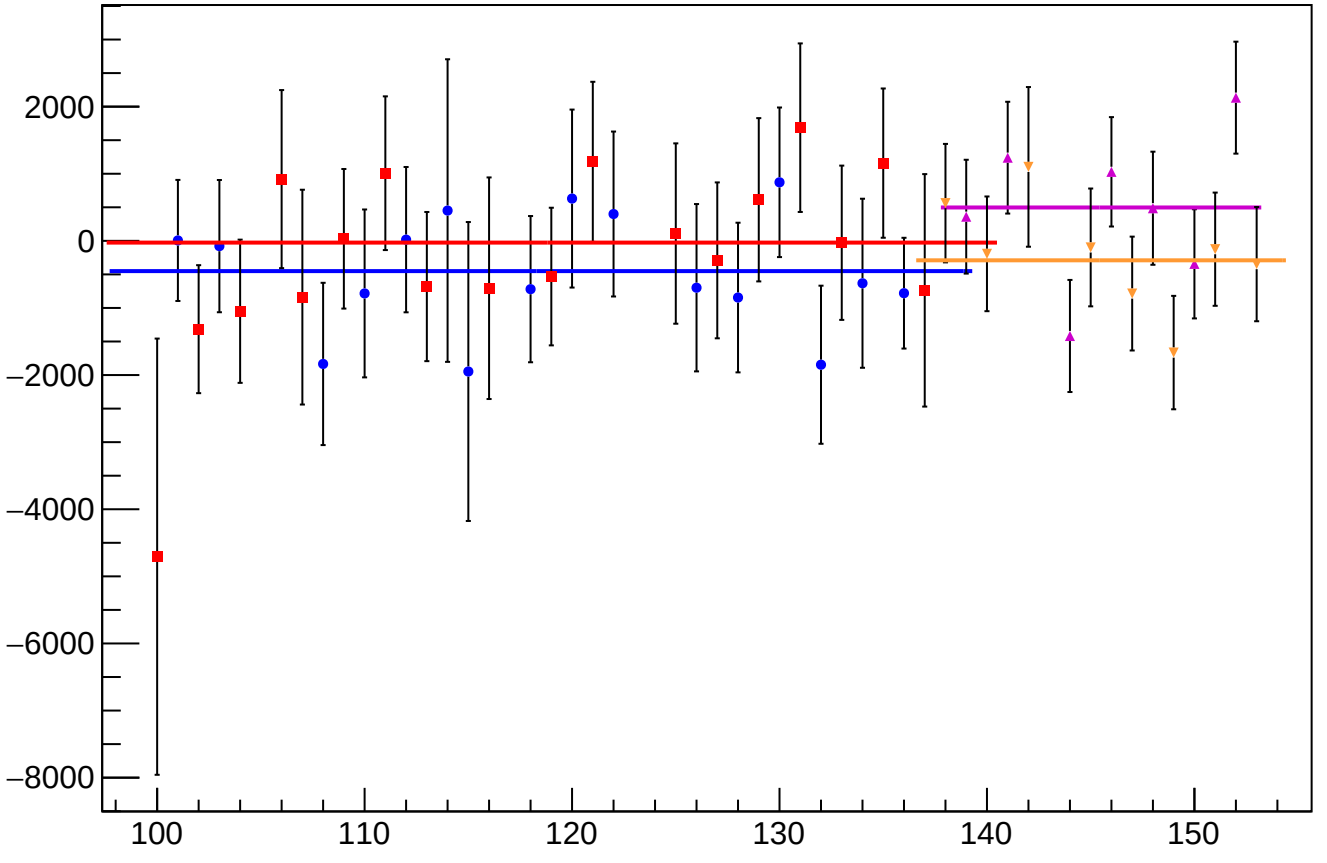
Left In: 52.133+/-0.015 χ^2/NDF:179835.4/6

+ sign 45.601+/-0.009 χ^2/NDF: 2110051.3/23

All: 44.619+/-0.006 χ^2/NDF: 4600295.5/48

- sign 43.705+/-0.009 χ^2/NDF: 2468791.3/24

reg_asym_us_dd_mean vs Slug



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -290.204+/-312.639 χ^2/NDF:5.4/7

Right Out: -26.099+/-288.079 χ^2/NDF: 11.7/17

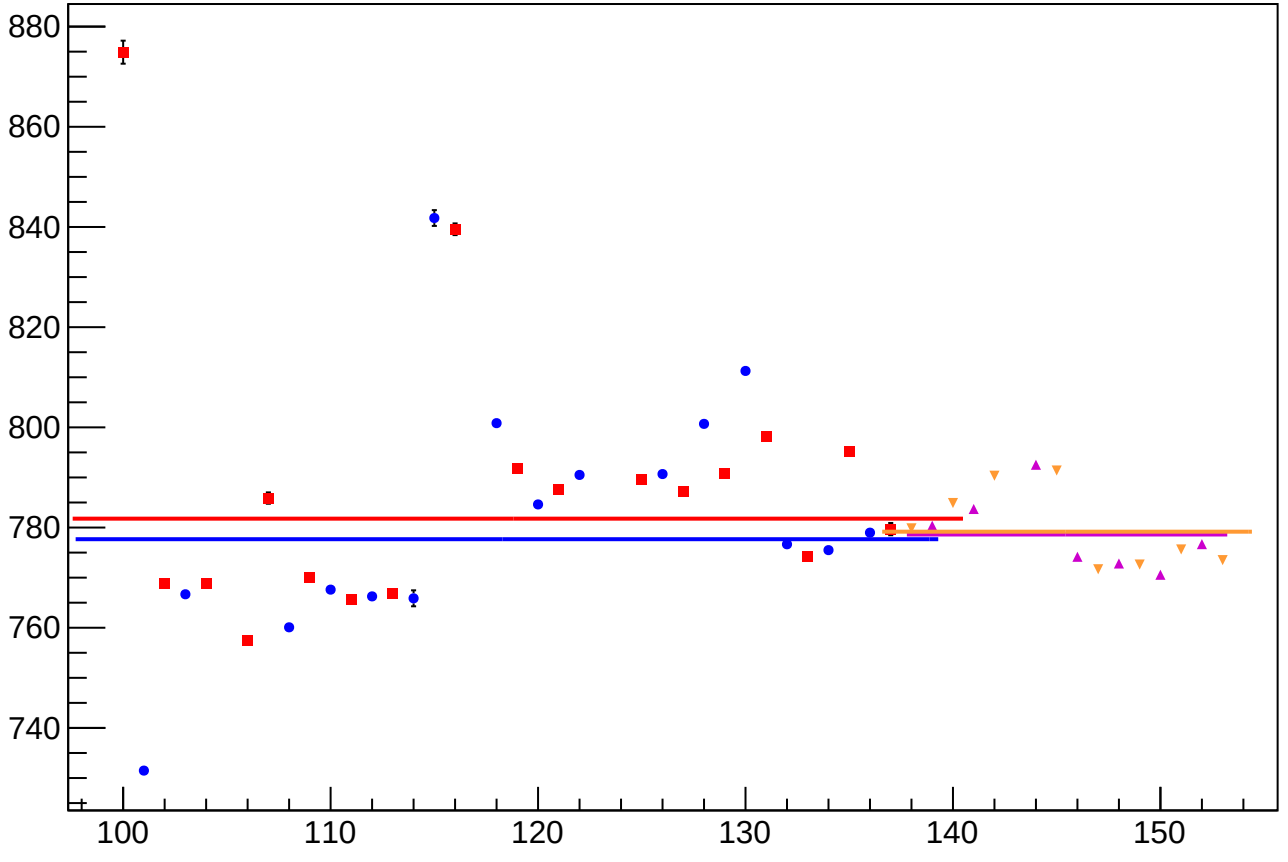
Left In: 497.306+/-314.246 χ^2/NDF:11.4/6

+ sign -376.899+/-212.200 χ^2/NDF: 12.5/23

All: -82.207+/-150.102 χ^2/NDF: 40.9/48

- sign 212.908+/-212.352 χ^2/NDF: 24.6/24

reg_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 779.175+/-0.221 χ^2/NDF:1055.2/7

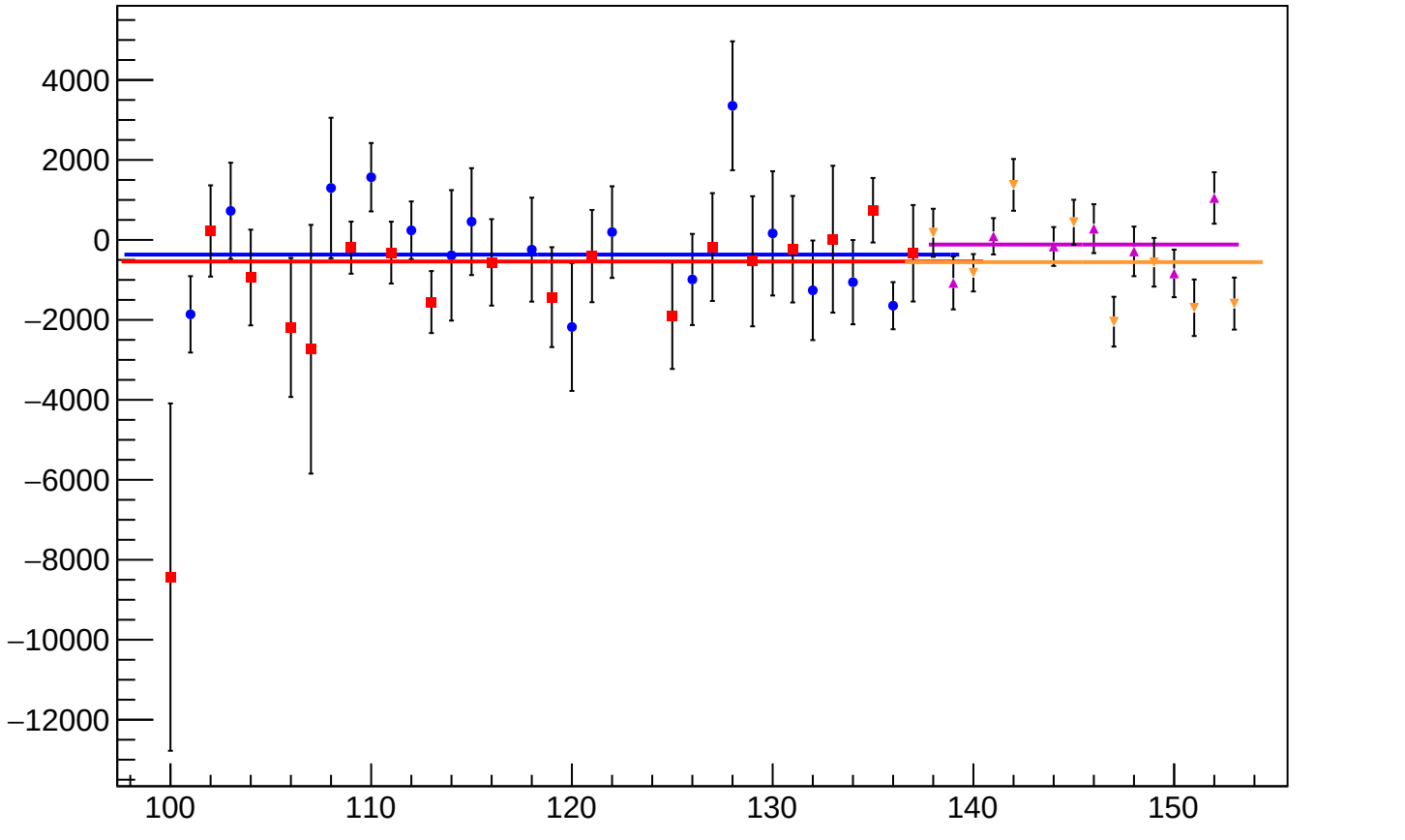
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.614+/-0.222 χ^2/NDF:998.9/6

+ sign 778.366+/-0.150 χ^2/NDF: 13135.5/23

All: 779.348+/-0.106 χ^2/NDF: 21956.6/48

- sign 780.332+/-0.150 χ^2/NDF: 8735.3/24



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -554.833+/-210.591 χ^2/NDF:24.8/7

Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

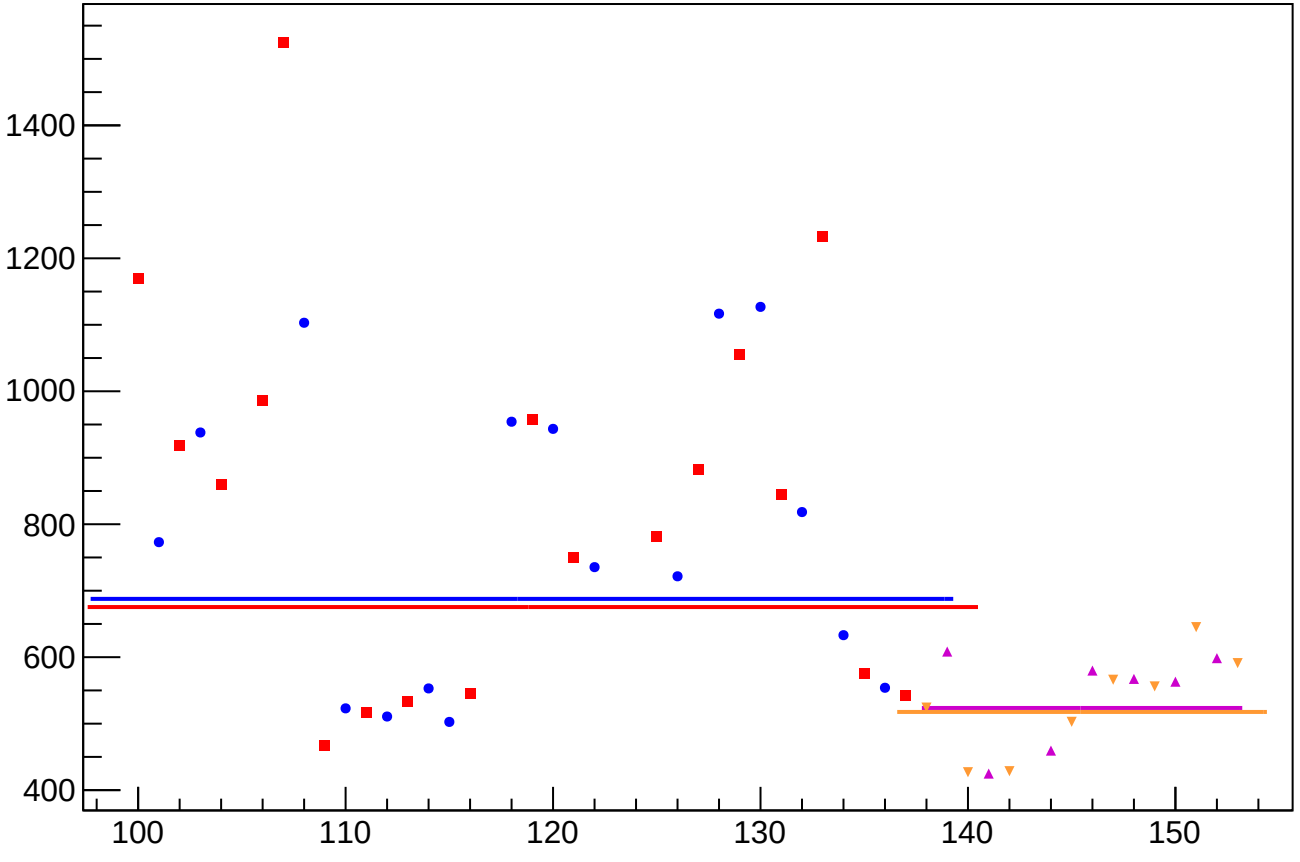
Left In: -116.183+/-213.797 χ^2/NDF:7.6/6

+ sign -482.699+/-165.277 χ^2/NDF: 48.4/23

All: -383.930+/-117.079 χ^2/NDF: 69.9/48

- sign -284.446+/-165.874 χ^2/NDF: 20.8/24

asym_us_dd_reg_correction_rms vs Slug



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 517.629+/-0.149 χ^2/NDF:225548.2/7

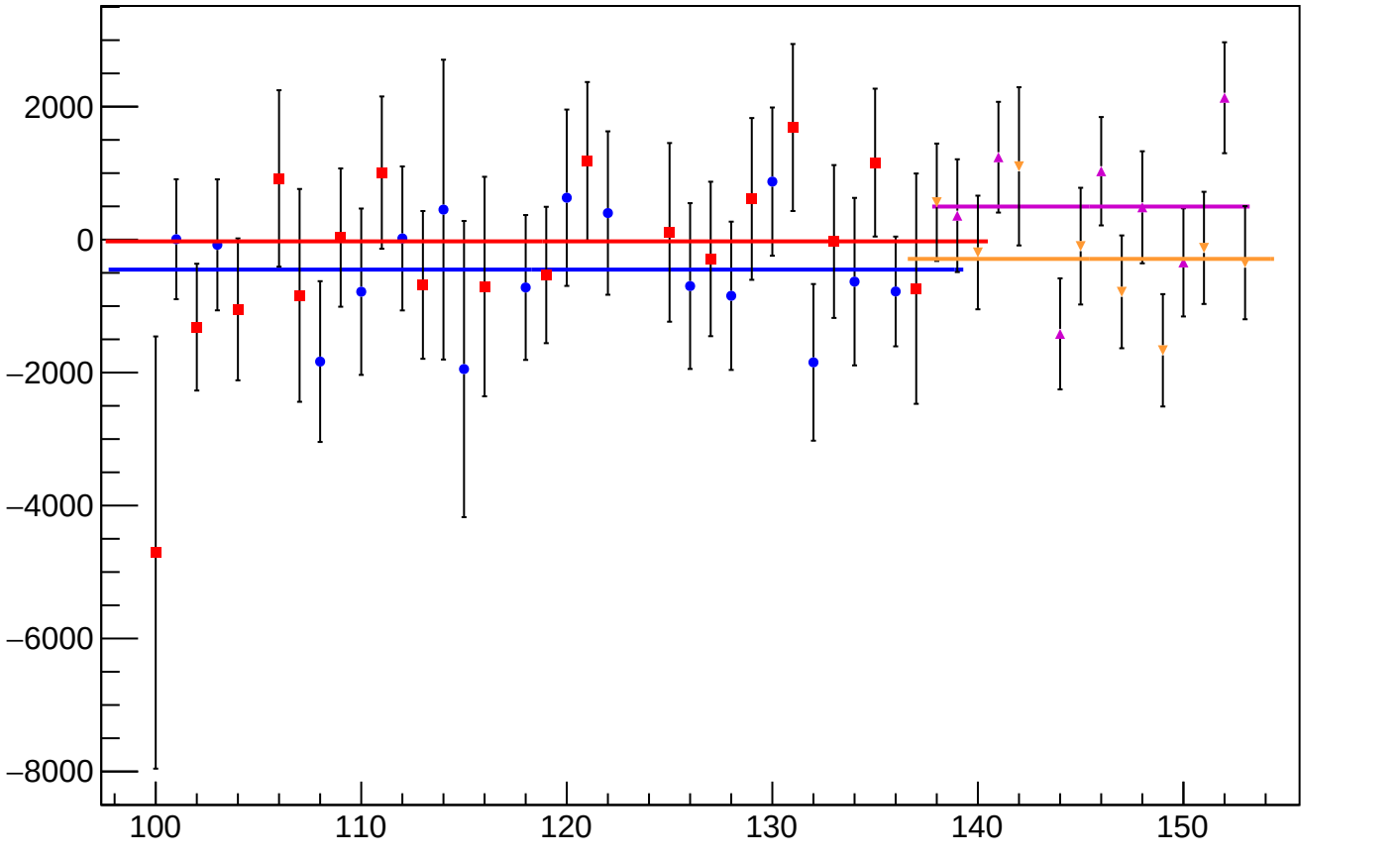
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 523.607+/-0.151 χ^2/NDF:225089.4/6

+ sign 582.951+/-0.117 χ^2/NDF: 1758506.3/23

All: 583.490+/-0.083 χ^2/NDF: 3698005.4/48

- sign 584.034+/-0.117 χ^2/NDF: 1939456.3/24



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -290.204+/-312.639 χ^2/NDF:5.4/7

Right Out: -26.099+/-288.079 χ^2/NDF: 11.7/17

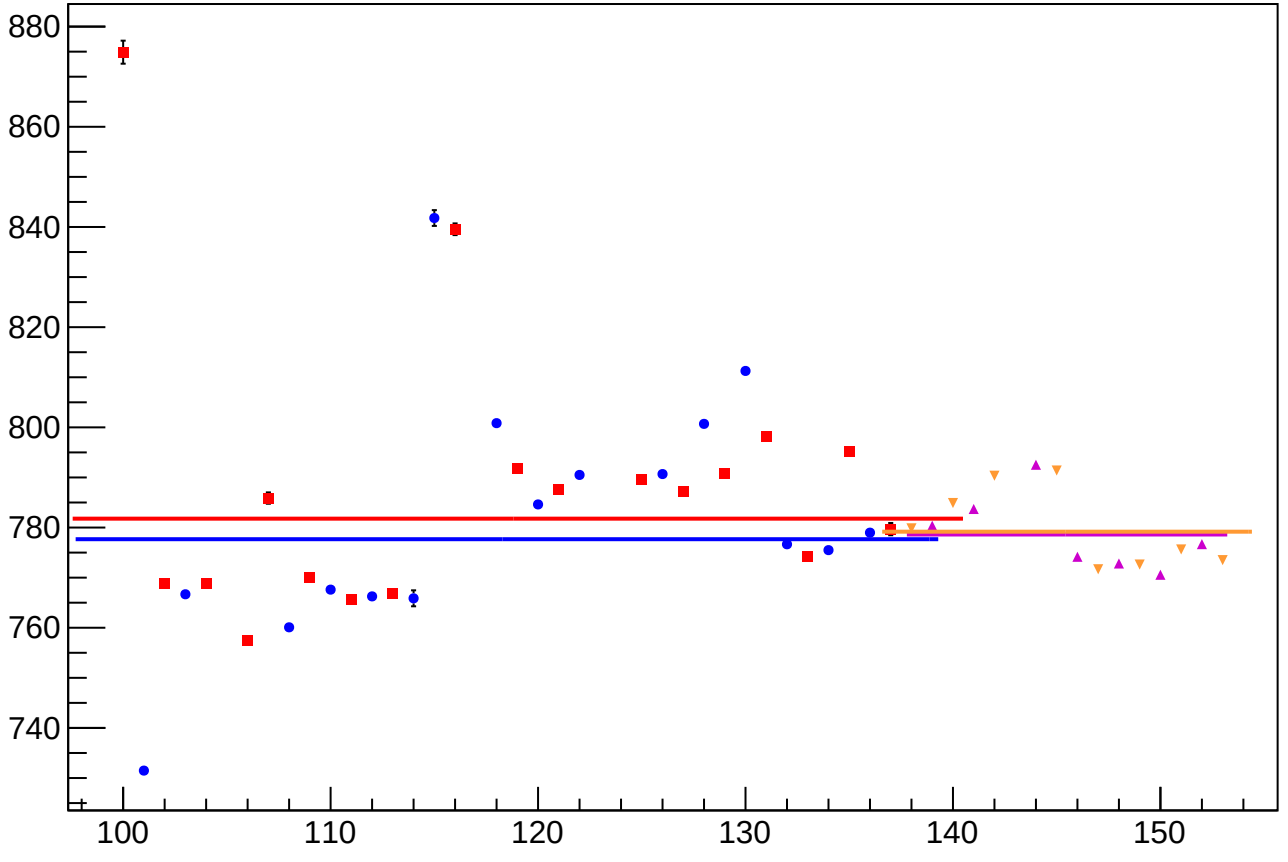
Left In: 497.306+/-314.246 χ^2/NDF:11.4/6

+ sign -376.899+/-212.200 χ^2/NDF: 12.5/23

All: -82.207+/-150.102 χ^2/NDF: 40.9/48

- sign 212.908+/-212.352 χ^2/NDF: 24.6/24

cor_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 779.175+/-0.221 χ^2/NDF:1055.2/7

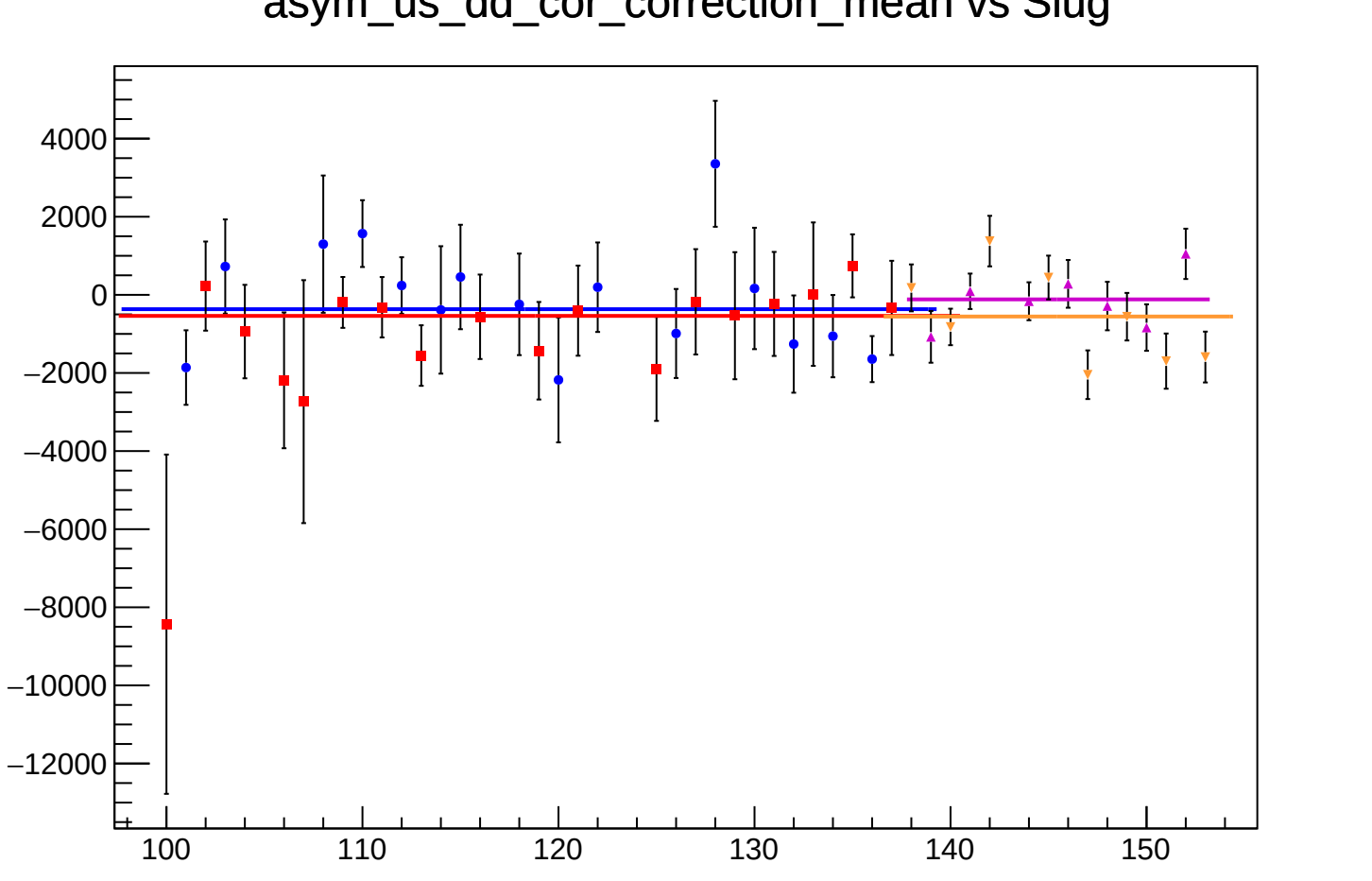
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.614+/-0.222 χ^2/NDF:998.9/6

+ sign 778.366+/-0.150 χ^2/NDF: 13135.5/23

All: 779.348+/-0.106 χ^2/NDF: 21956.6/48

- sign 780.332+/-0.150 χ^2/NDF: 8735.3/24



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -554.833+/-210.591 χ^2/NDF:24.8/7

Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

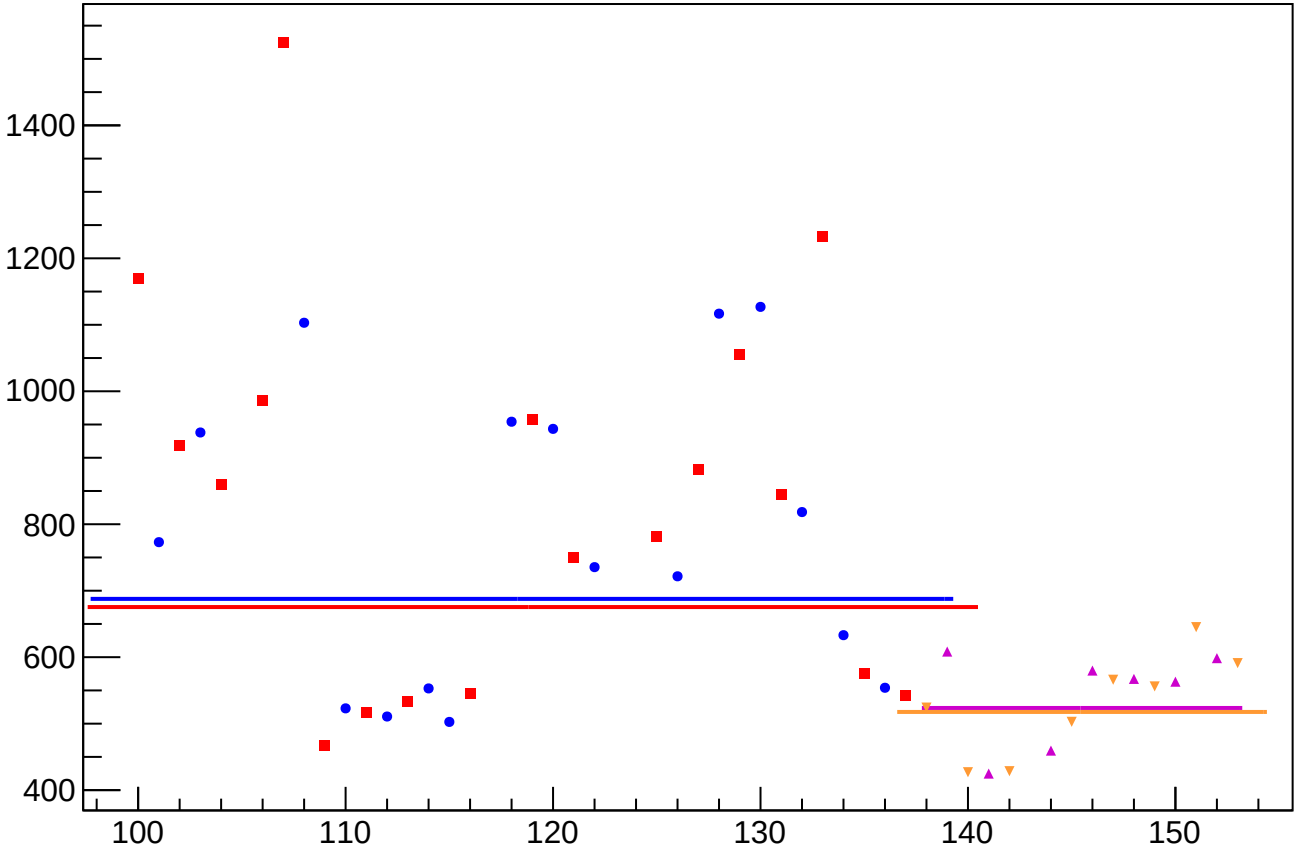
Left In: -116.183+/-213.797 χ^2/NDF:7.6/6

+ sign -482.699+/-165.277 χ^2/NDF: 48.4/23

All: -383.930+/-117.079 χ^2/NDF: 69.9/48

- sign -284.446+/-165.874 χ^2/NDF: 20.8/24

asym_us_dd_cor_correction_rms vs Slug



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 517.629+/-0.149 χ^2/NDF:225548.2/7

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

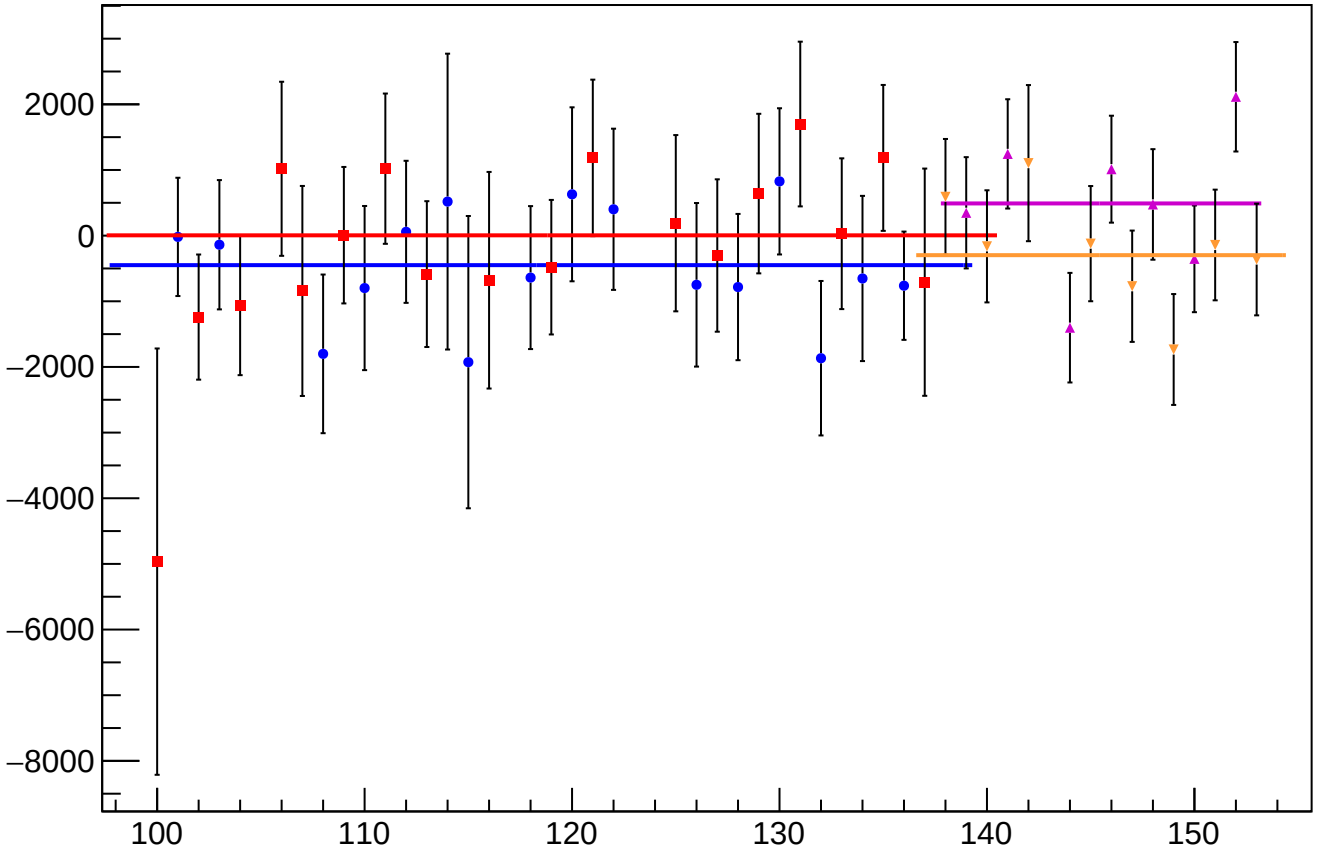
Left In: 523.607+/-0.151 χ^2/NDF:225089.4/6

+ sign 582.951+/-0.117 χ^2/NDF: 1758506.3/23

All: 583.490+/-0.083 χ^2/NDF: 3698005.4/48

- sign 584.034+/-0.117 χ^2/NDF: 1939456.3/24

overload_cor_asym_us_dd_mean vs Slug



Right In: -449.430+/-288.668 χ^2/NDF: 6.8/15

Left Out: -297.524+/-312.365 χ^2/NDF:5.7/7

Right Out: 4.645+/-287.815 χ^2/NDF: 11.8/17

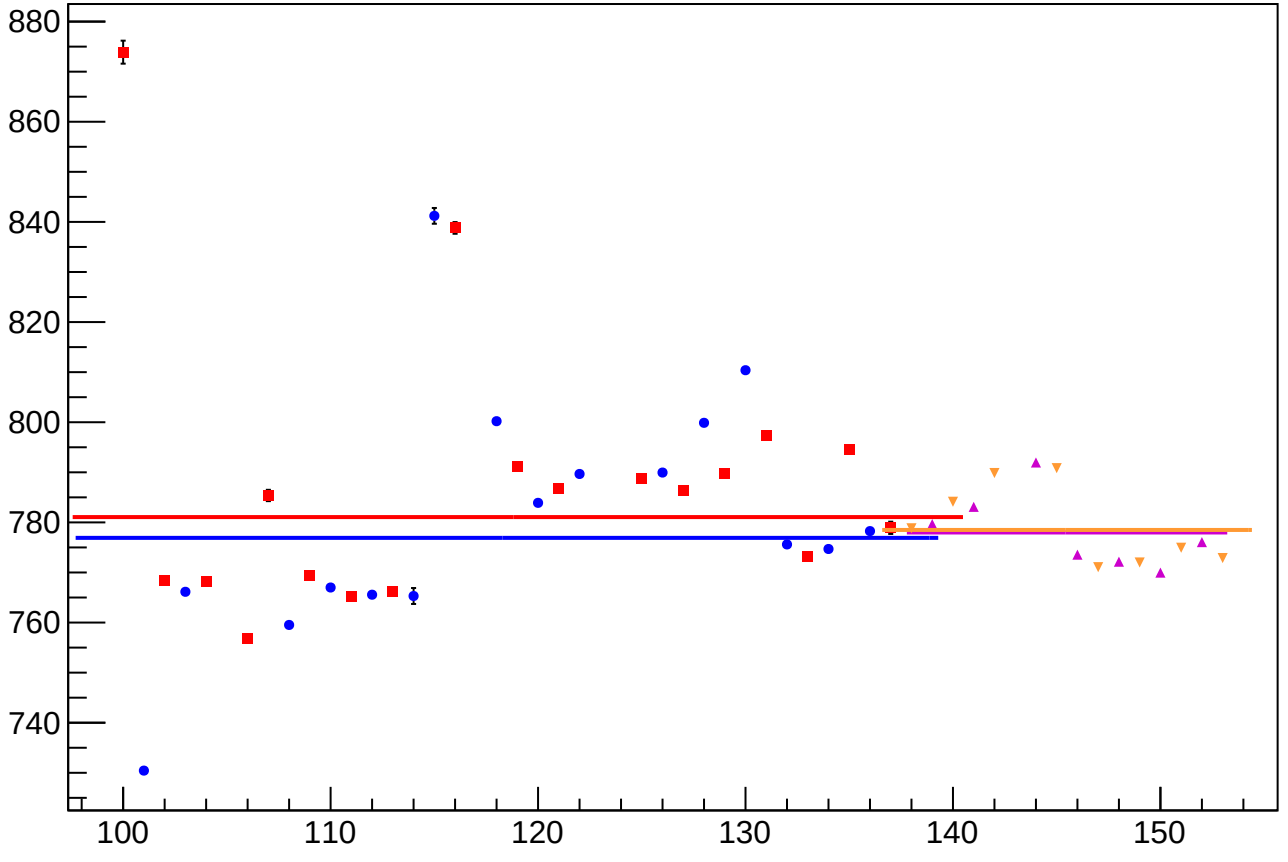
Left In: 490.390+/-313.993 χ^2/NDF:11.3/6

+ sign -379.457+/-212.002 χ^2/NDF: 12.6/23

All: -76.751+/-149.967 χ^2/NDF: 41.1/48

- sign 226.428+/-212.168 χ^2/NDF: 24.4/24

overload_cor_asym_us_dd_rms vs Slug



Right In: 776.913+/-0.204 χ^2/NDF: 12123.6/15

Left Out: 778.492+/-0.221 χ^2/NDF:1060.3/7

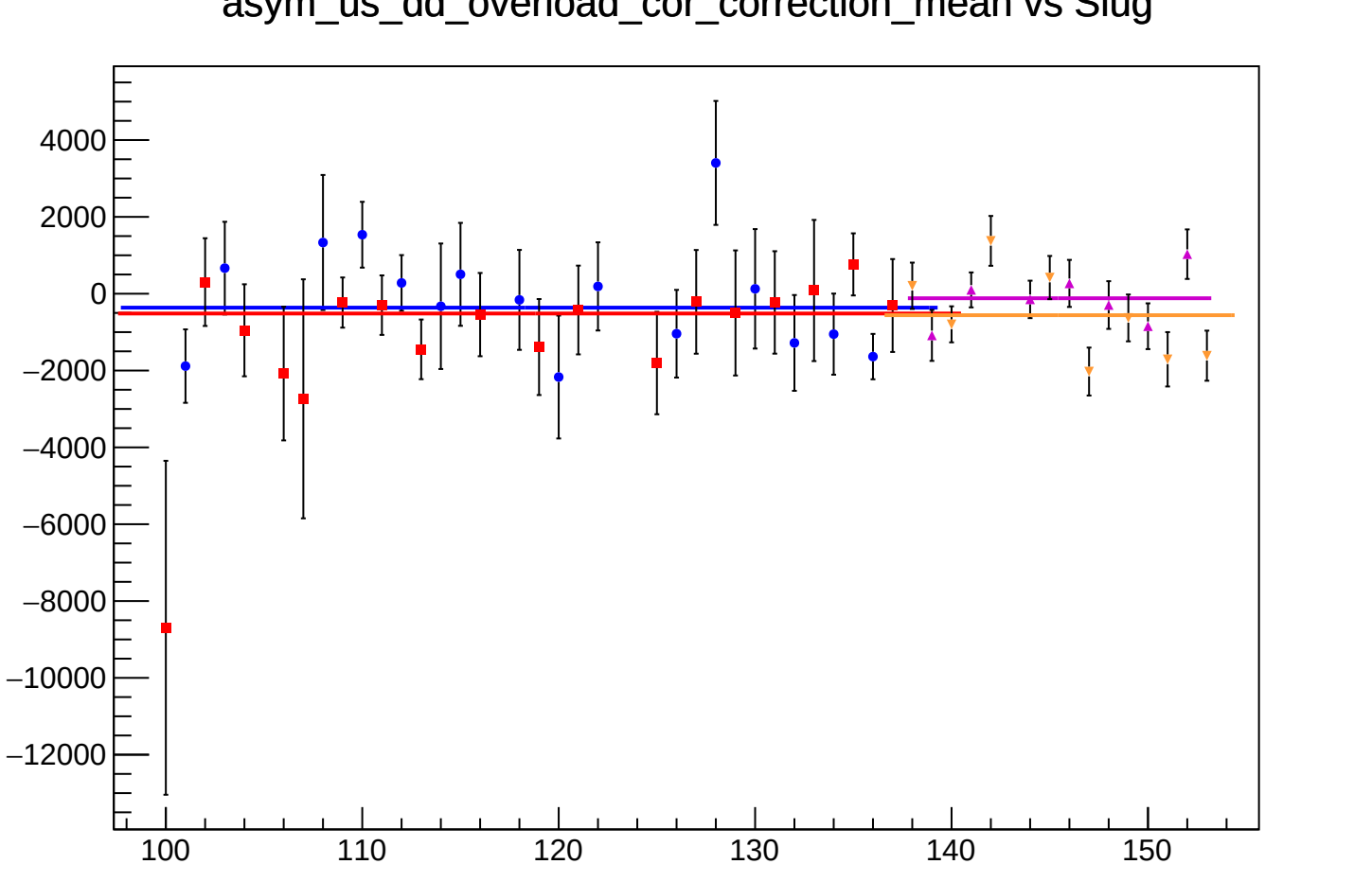
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 777.986+/-0.222 χ^2/NDF:1004.4/6

+ sign 777.640+/-0.150 χ^2/NDF: 13211.5/23

All: 778.648+/-0.106 χ^2/NDF: 21996.3/48

- sign 779.657+/-0.150 χ^2/NDF: 8694.4/24



Right In: -362.811+/-267.086 χ^2/NDF: 23.4/15

Left Out: -559.514+/-211.044 χ^2/NDF:24.6/7

Right Out: -515.295+/-263.302 χ^2/NDF: 11.4/17

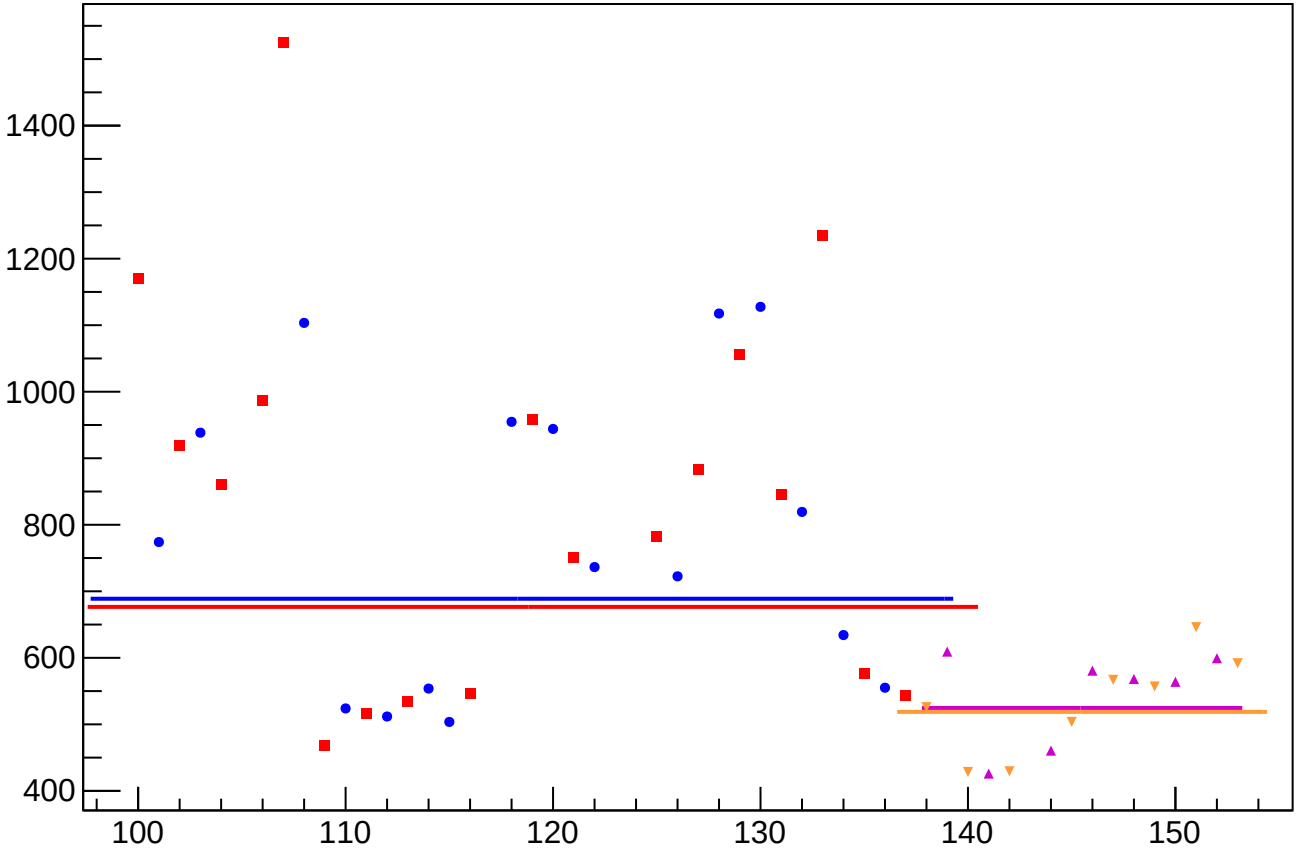
Left In: -118.136+/-214.196 χ^2/NDF:7.5/6

+ sign -483.906+/-165.588 χ^2/NDF: 48.3/23

All: -380.460+/-117.290 χ^2/NDF: 69.3/48

- sign -276.299+/-166.159 χ^2/NDF: 20.3/24

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 688.828+/-0.189 χ^2/NDF: 1028118.5/15

Left Out: 518.806+/-0.149 χ^2/NDF:223518.5/7

Right Out: 676.572+/-0.186 χ^2/NDF: 1308036.1/17

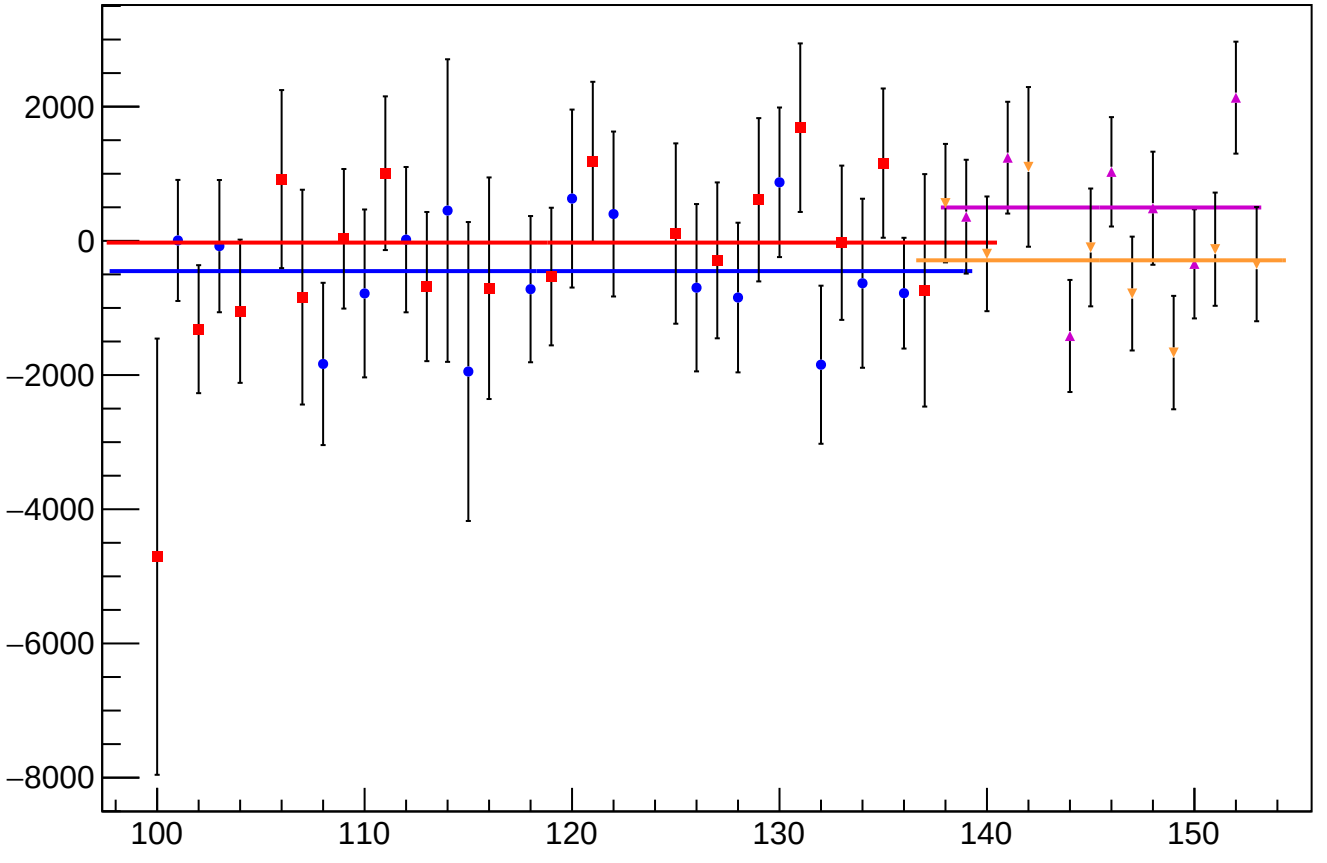
Left In: 524.625+/-0.151 χ^2/NDF:223531.0/6

+ sign 584.159+/-0.117 χ^2/NDF: 1750585.3/23

All: 584.646+/-0.083 χ^2/NDF: 3682990.5/48

- sign 585.136+/-0.117 χ^2/NDF: 1932370.5/24

eigen_cor_asym_us_dd_mean vs Slug



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -290.204+/-312.639 χ^2/NDF:5.4/7

Right Out: -26.099+/-288.079 χ^2/NDF: 11.7/17

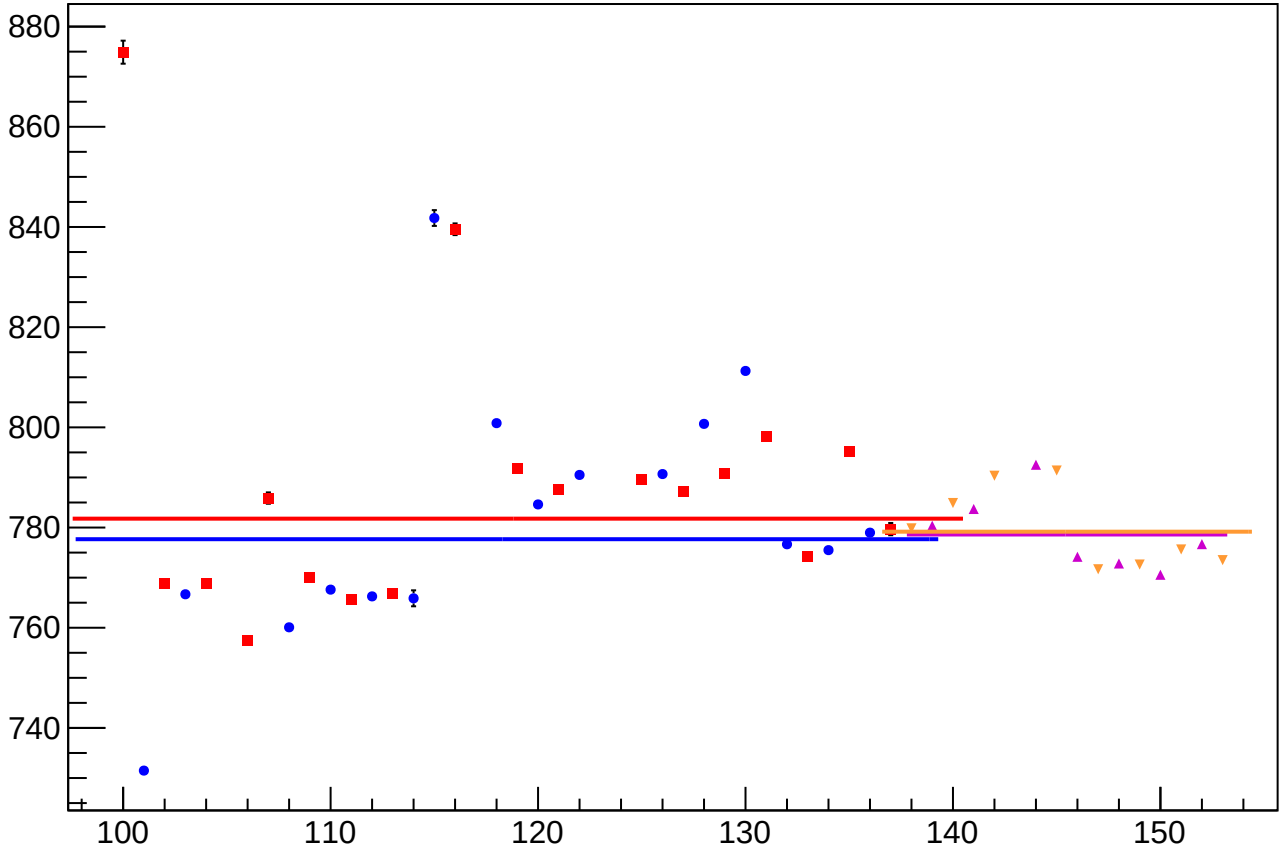
Left In: 497.306+/-314.246 χ^2/NDF:11.4/6

+ sign -376.899+/-212.200 χ^2/NDF: 12.5/23

All: -82.207+/-150.102 χ^2/NDF: 40.9/48

- sign 212.908+/-212.352 χ^2/NDF: 24.6/24

eigen_cor_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 779.175+/-0.221 χ^2/NDF:1055.2/7

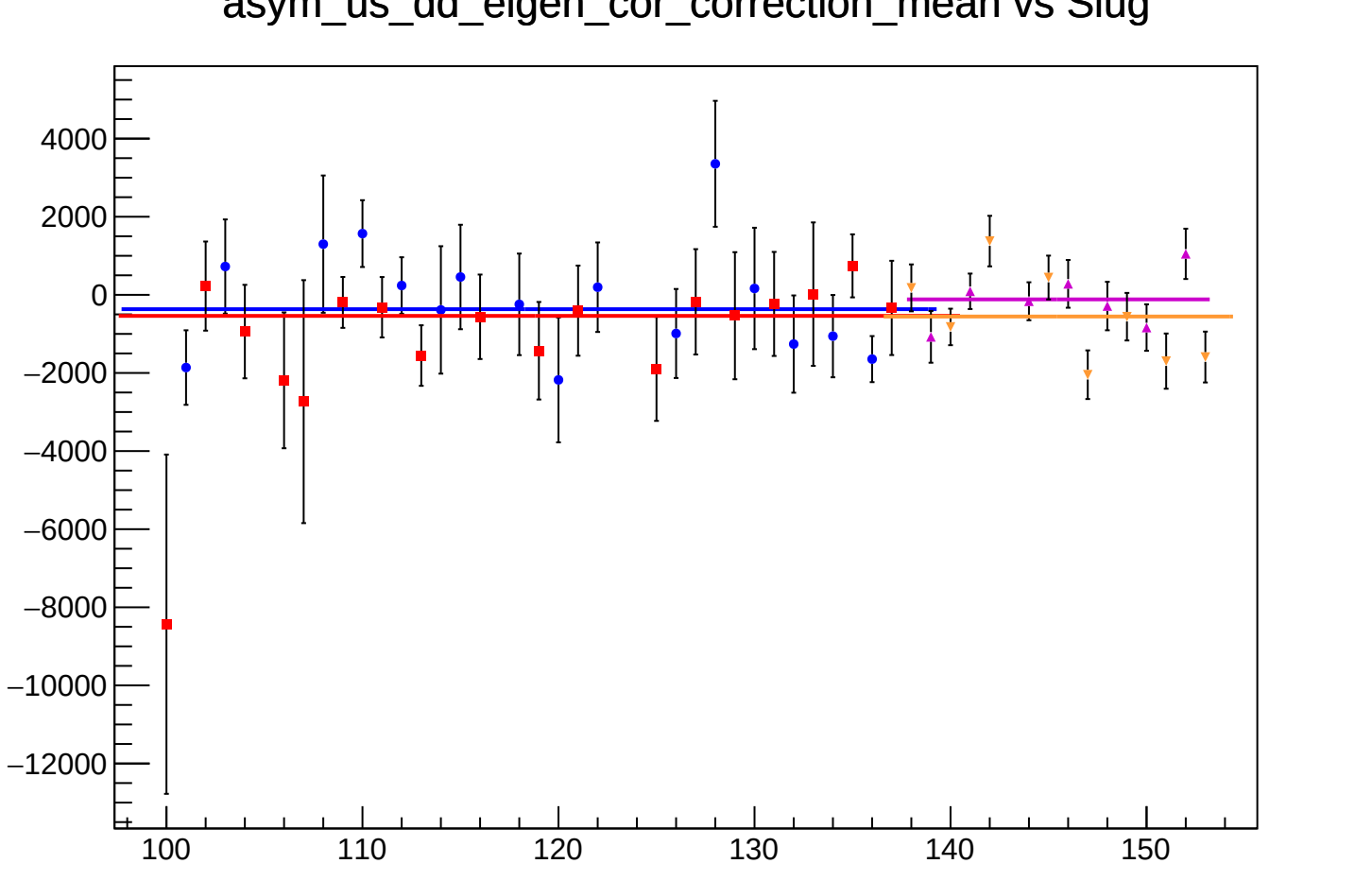
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.614+/-0.222 χ^2/NDF:998.9/6

+ sign 778.366+/-0.150 χ^2/NDF: 13135.5/23

All: 779.348+/-0.106 χ^2/NDF: 21956.6/48

- sign 780.332+/-0.150 χ^2/NDF: 8735.3/24



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -554.833+/-210.591 χ^2/NDF:24.8/7

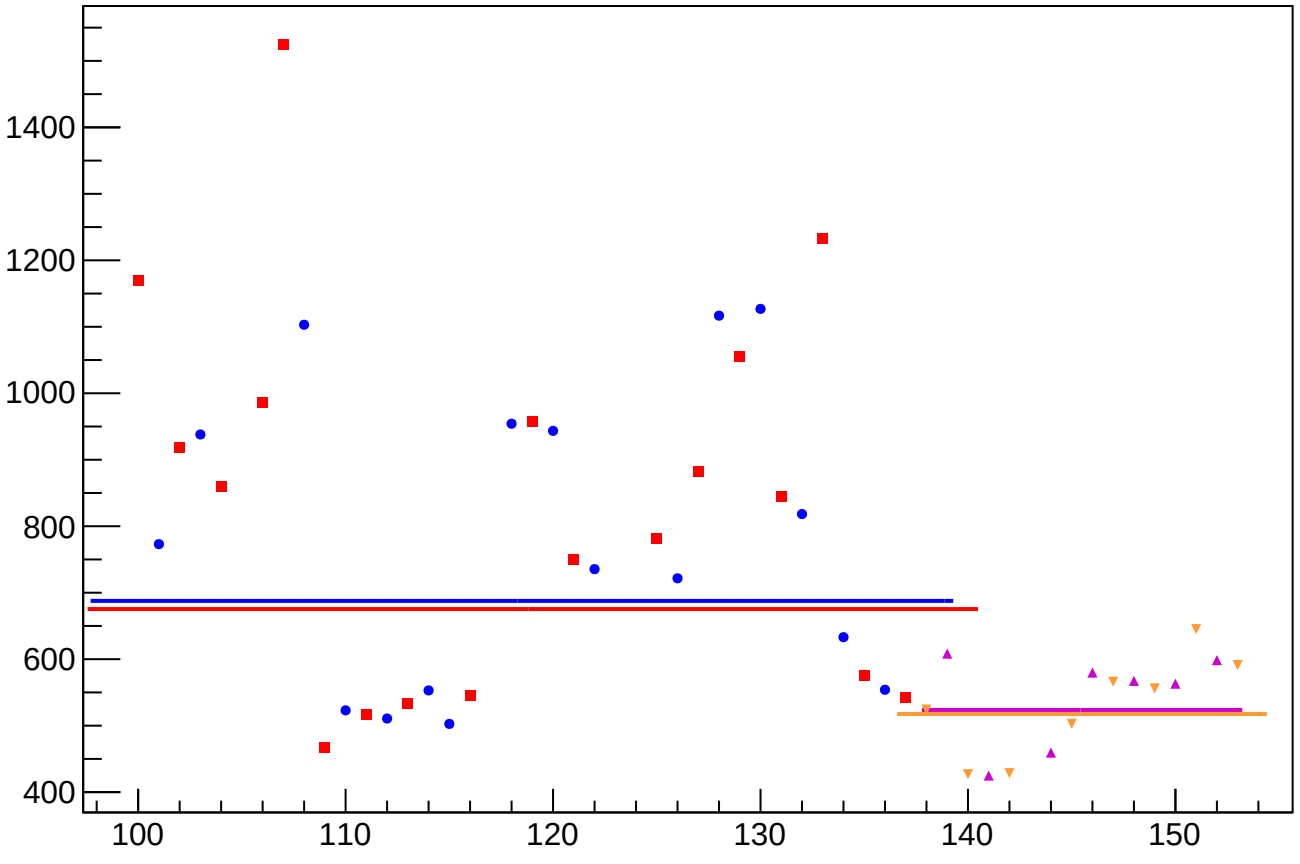
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -116.183+/-213.797 χ^2/NDF:7.6/6

+ sign -482.699+/-165.277 χ^2/NDF: 48.4/23

All: -383.930+/-117.079 χ^2/NDF: 69.9/48

- sign -284.446+/-165.874 χ^2/NDF: 20.8/24



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 517.629+/-0.149 χ^2/NDF:225548.2/7

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

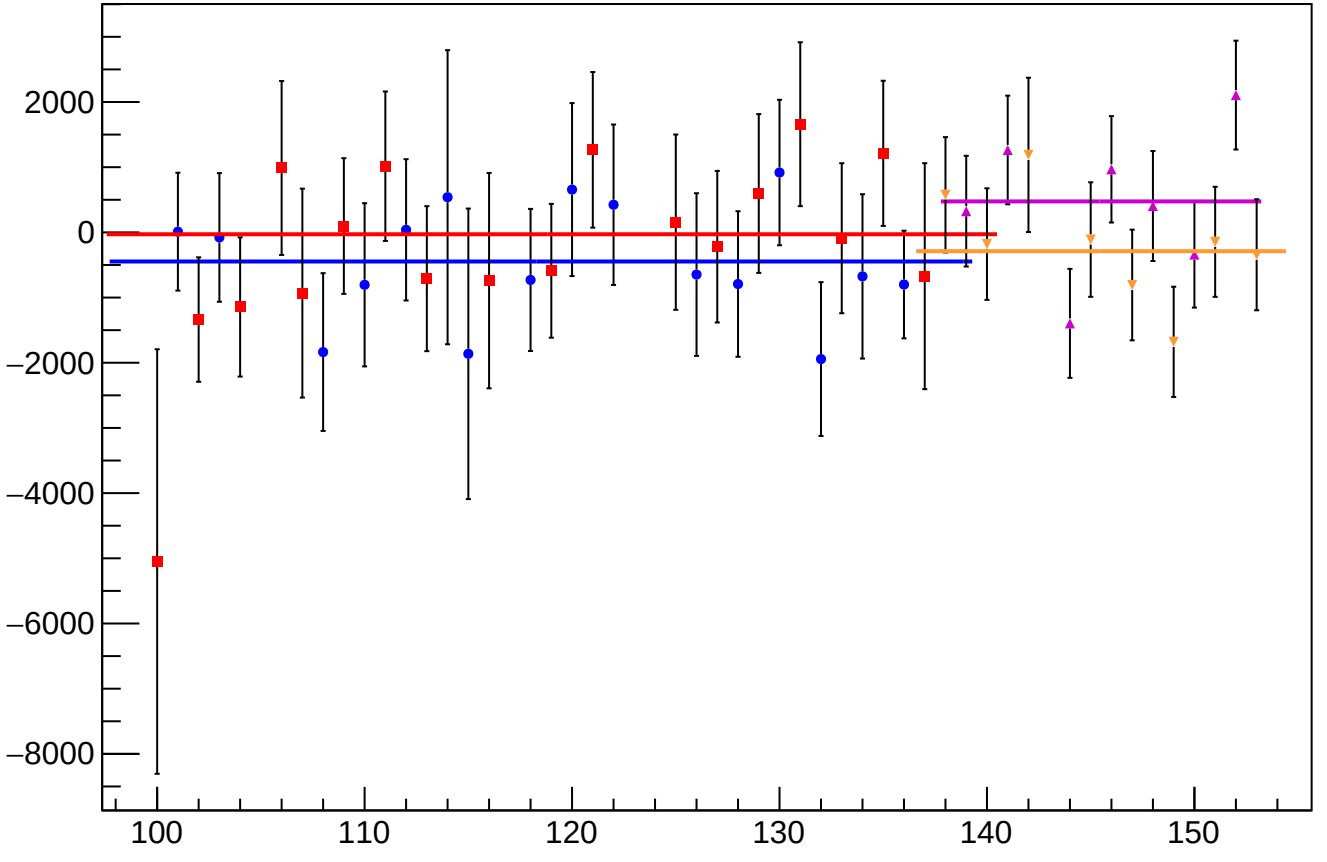
Left In: 523.607+/-0.151 χ^2/NDF:225089.4/6

+ sign 582.951+/-0.117 χ^2/NDF: 1758506.3/23

All: 583.490+/-0.083 χ^2/NDF: 3698005.4/48

- sign 584.034+/-0.117 χ^2/NDF: 1939456.3/24

dit_asym_us_dd_mean vs Slug



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -288.552+/-312.836 χ^2/NDF:5.7/7

Right Out: -28.787+/-288.372 χ^2/NDF: 12.6/17

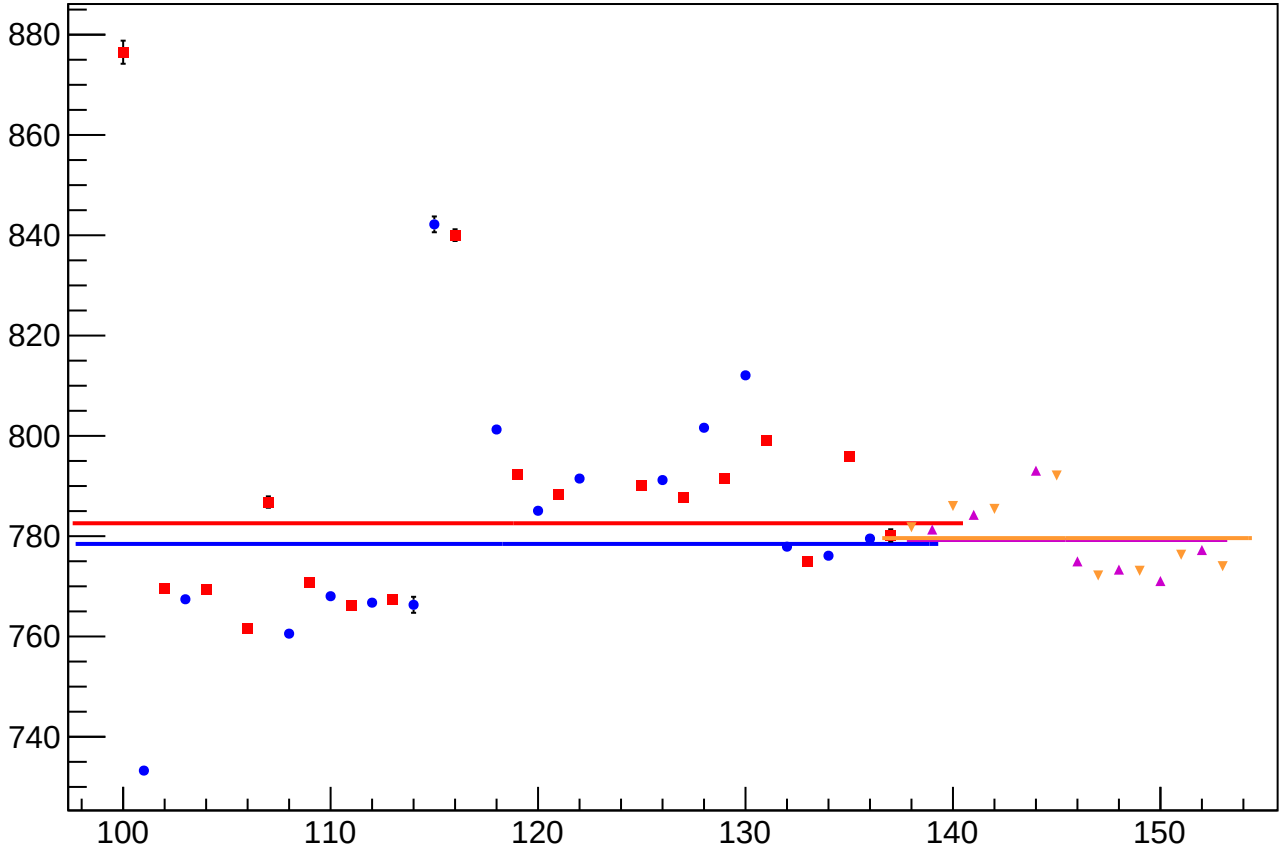
Left In: 474.973+/-314.498 χ^2/NDF:11.1/6

+ sign -373.792+/-212.376 χ^2/NDF: 13.1/23

All: -86.477+/-150.233 χ^2/NDF: 41.9/48

- sign 201.303+/-212.547 χ^2/NDF: 25.1/24

dit_asym_us_dd_rms vs Slug



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 779.614+/-0.221 χ^2/NDF:966.0/7

Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

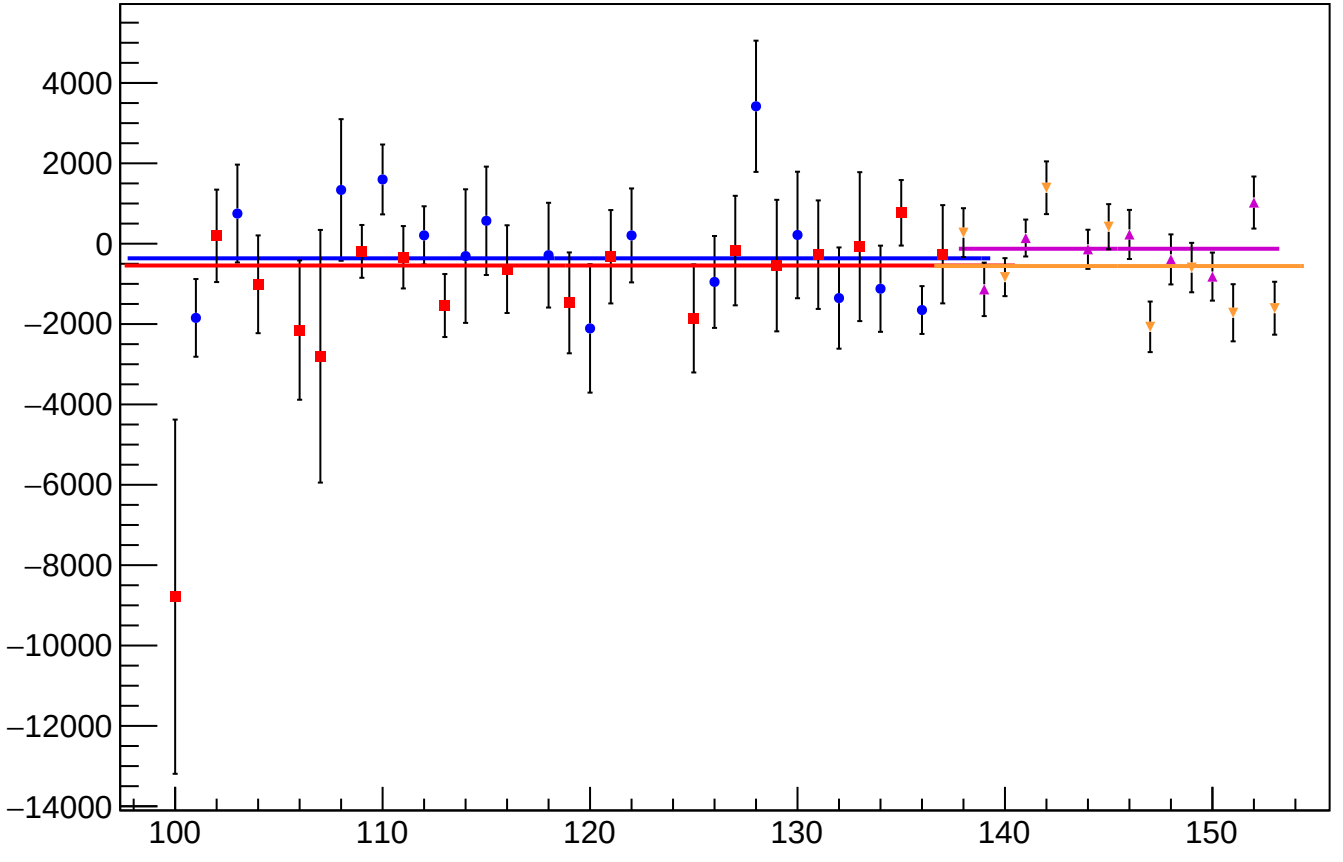
Left In: 779.238+/-0.222 χ^2/NDF:997.8/6

+ sign 778.990+/-0.150 χ^2/NDF: 12776.0/23

All: 780.020+/-0.106 χ^2/NDF: 21471.7/48

- sign 781.051+/-0.150 χ^2/NDF: 8601.5/24

asym_us_dd_dit_correction_mean vs Slug



Right In: -363.977+/-269.316 χ^2/NDF: 23.3/15

Left Out: -556.530+/-212.612 χ^2/NDF:25.1/7

Right Out: -542.879+/-265.273 χ^2/NDF: 11.8/17

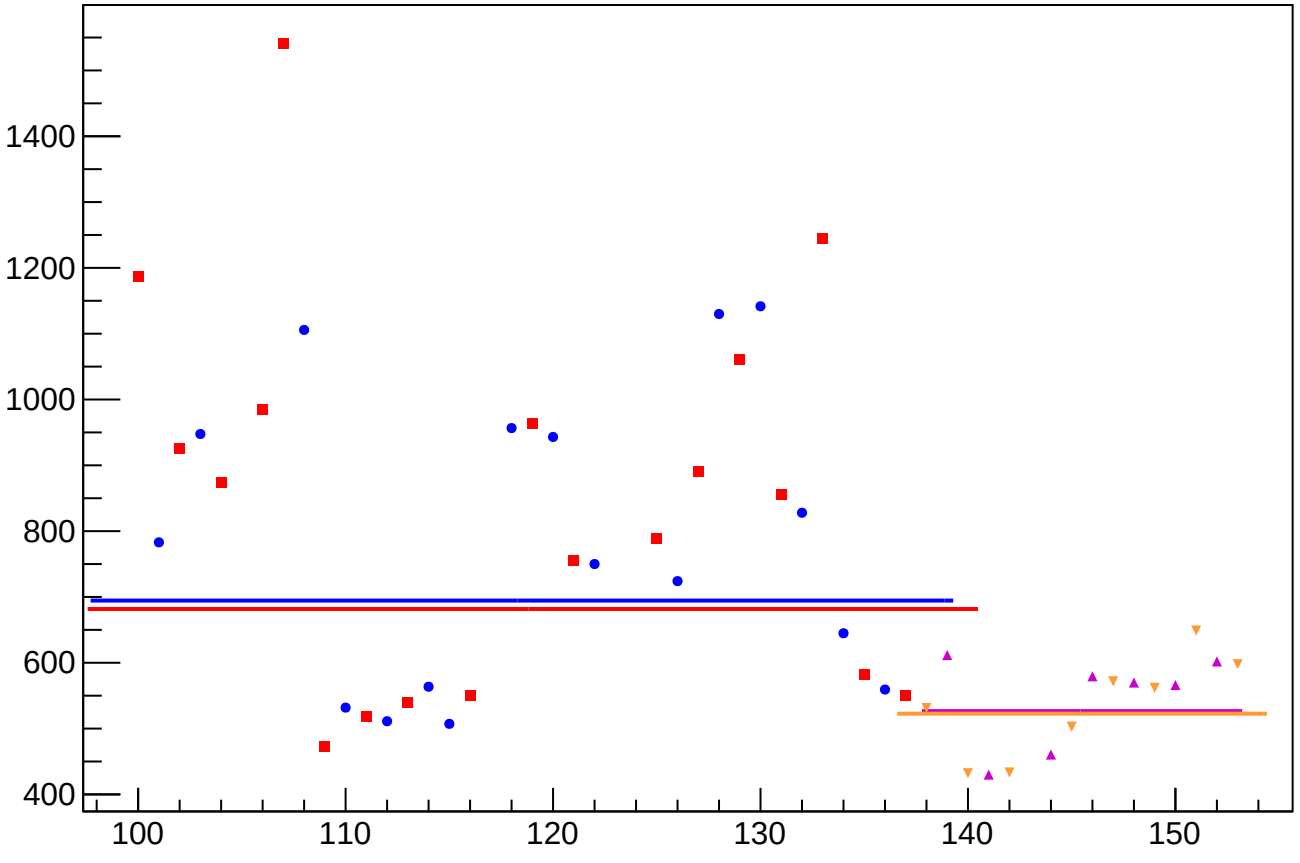
Left In: -126.139+/-214.928 χ^2/NDF:7.7/6

+ sign -482.600+/-166.877 χ^2/NDF: 48.7/23

All: -387.014+/-118.042 χ^2/NDF: 70.3/48

- sign -291.292+/-166.995 χ^2/NDF: 20.9/24

asym_us_dd_dit_correction_rms vs Slug



Right In: 694.522+/-0.190 χ^2/NDF: 1029884.9/15

Left Out: 522.631+/-0.150 χ^2/NDF:222938.0/7

Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

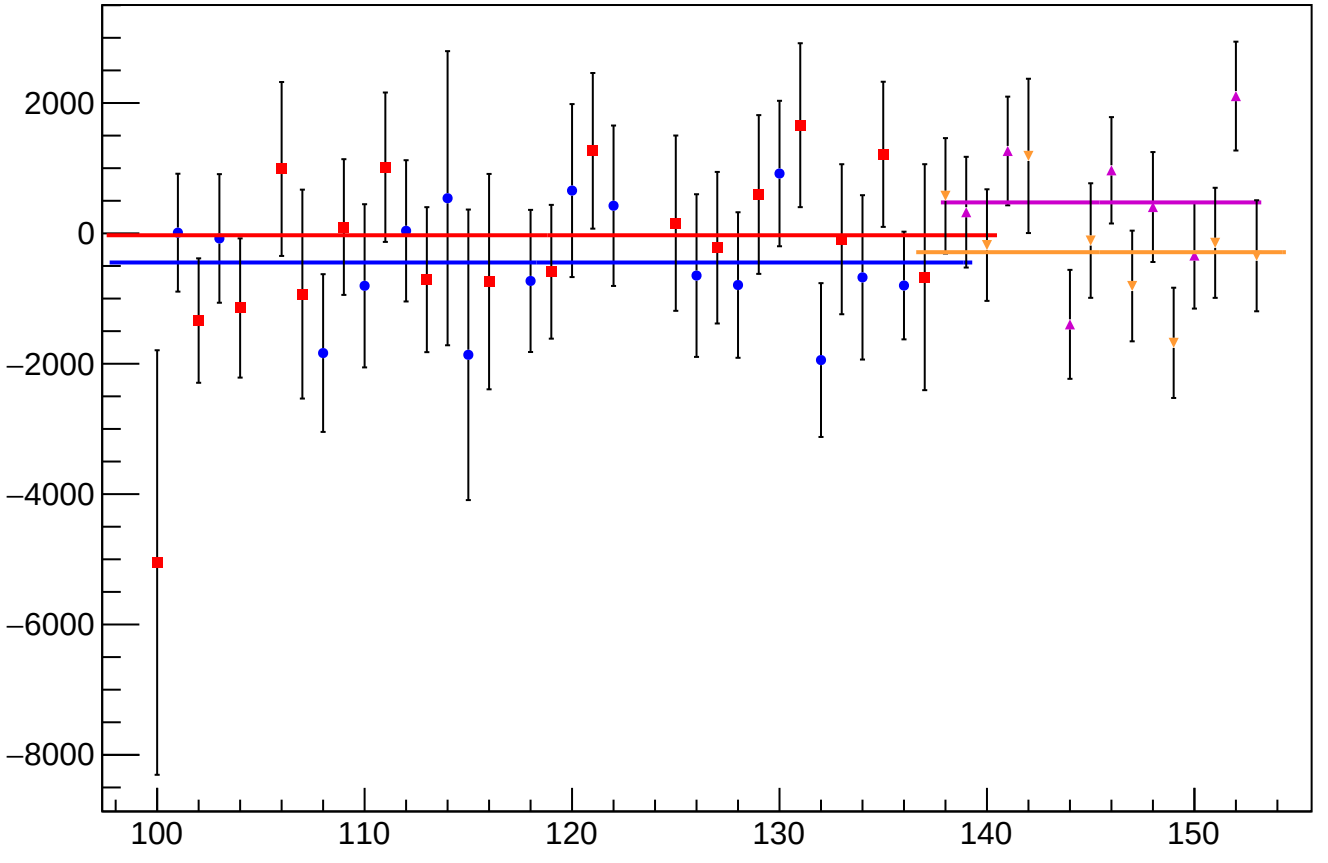
Left In: 526.611+/-0.152 χ^2/NDF:218313.6/6

+ sign 588.628+/-0.118 χ^2/NDF: 1754744.2/23

All: 588.359+/-0.083 χ^2/NDF: 3697315.7/48

- sign 588.090+/-0.118 χ^2/NDF: 1942561.1/24

eigen_dit_asym_us_dd_mean vs Slug



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -288.554+/-312.836 χ^2/NDF:5.7/7

Right Out: -28.786+/-288.372 χ^2/NDF: 12.6/17

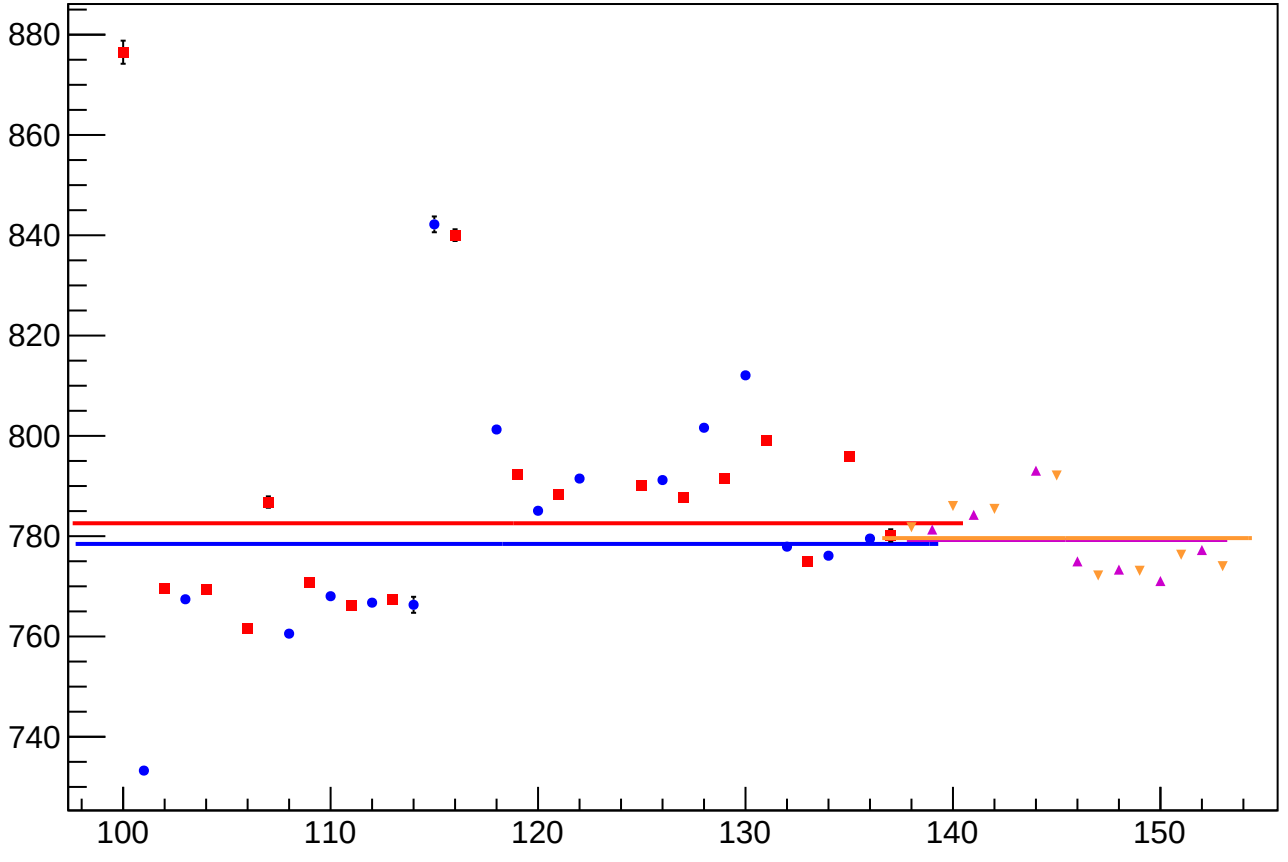
Left In: 474.972+/-314.498 χ^2/NDF:11.1/6

+ sign -373.794+/-212.376 χ^2/NDF: 13.1/23

All: -86.478+/-150.233 χ^2/NDF: 41.9/48

- sign 201.303+/-212.547 χ^2/NDF: 25.1/24

eigen_dit_asym_us_dd_rms vs Slug



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 779.614+/-0.221 χ^2/NDF:966.0/7

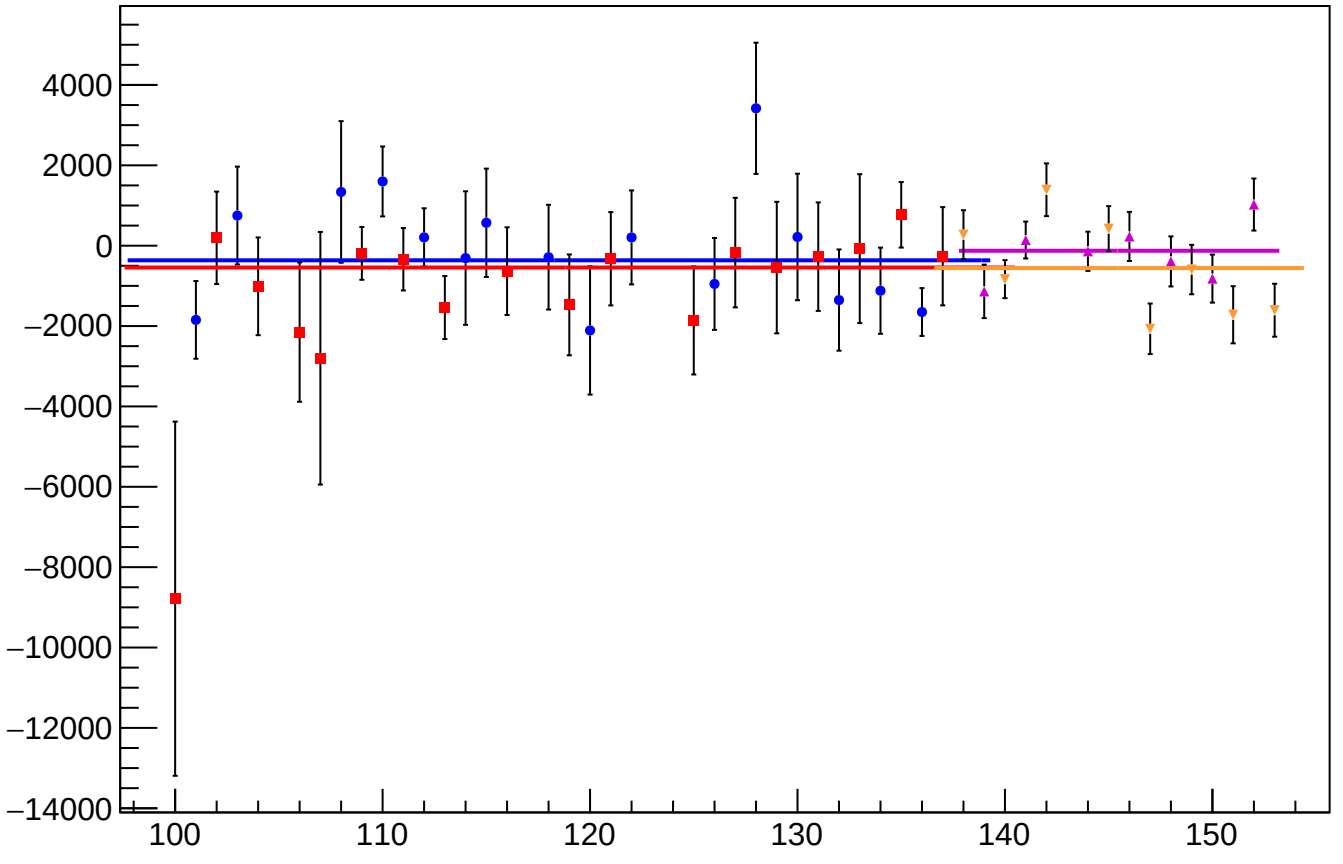
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 779.238+/-0.222 χ^2/NDF:997.8/6

+ sign 778.990+/-0.150 χ^2/NDF: 12776.0/23

All: 780.020+/-0.106 χ^2/NDF: 21471.6/48

- sign 781.051+/-0.150 χ^2/NDF: 8601.5/24



Right In: -363.973+/-269.314 χ^2/NDF: 23.3/15

Left Out: -556.530+/-212.612 χ^2/NDF:25.1/7

Right Out: -542.878+/-265.272 χ^2/NDF: 11.8/17

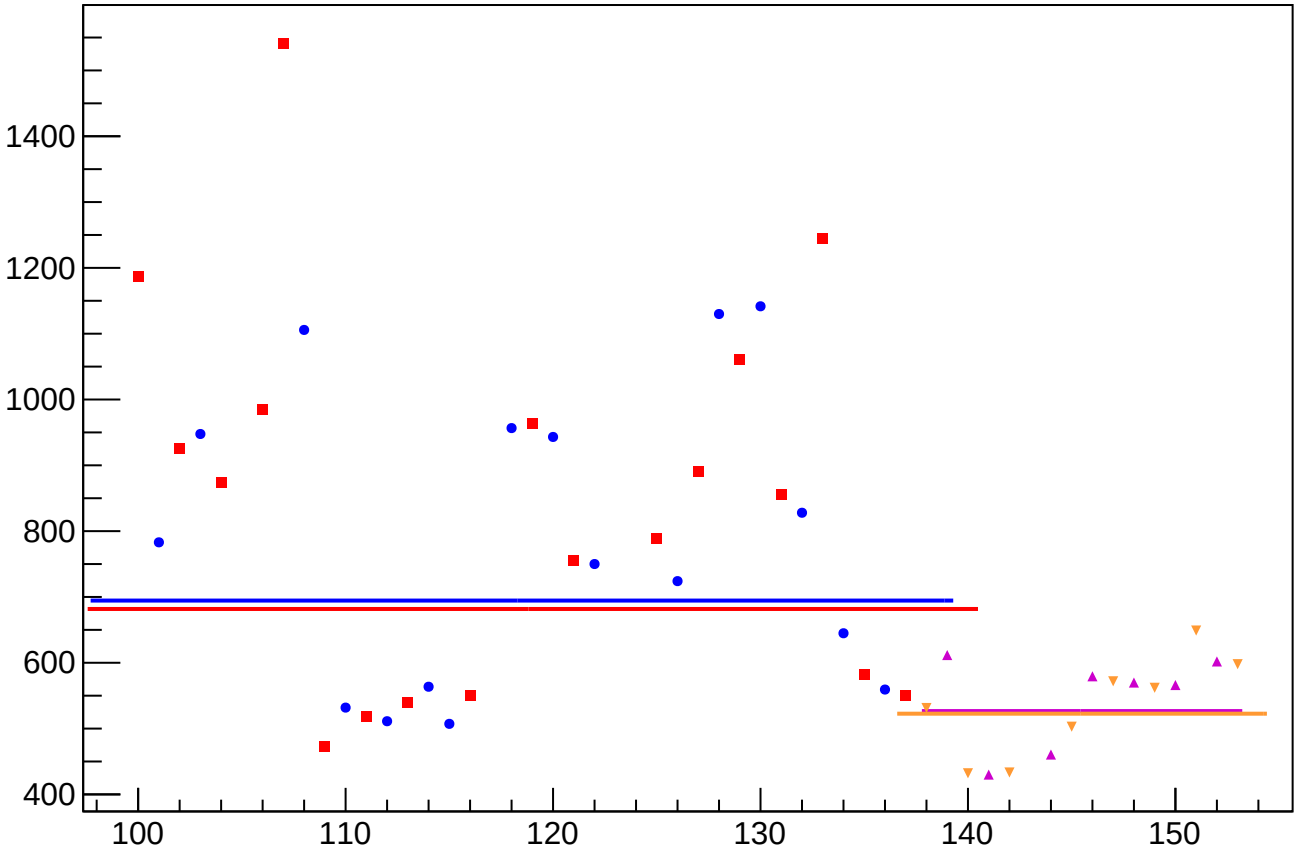
Left In: -126.137+/-214.928 χ^2/NDF:7.7/6

+ sign -482.598+/-166.877 χ^2/NDF: 48.7/23

All: -387.013+/-118.041 χ^2/NDF: 70.3/48

- sign -291.291+/-166.995 χ^2/NDF: 20.9/24

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 694.519+/-0.190 χ^2/NDF: 1029897.1/15

Left Out: 522.631+/-0.150 χ^2/NDF:222947.8/7

Right Out: 681.740+/-0.188 χ^2/NDF: 1311342.6/17

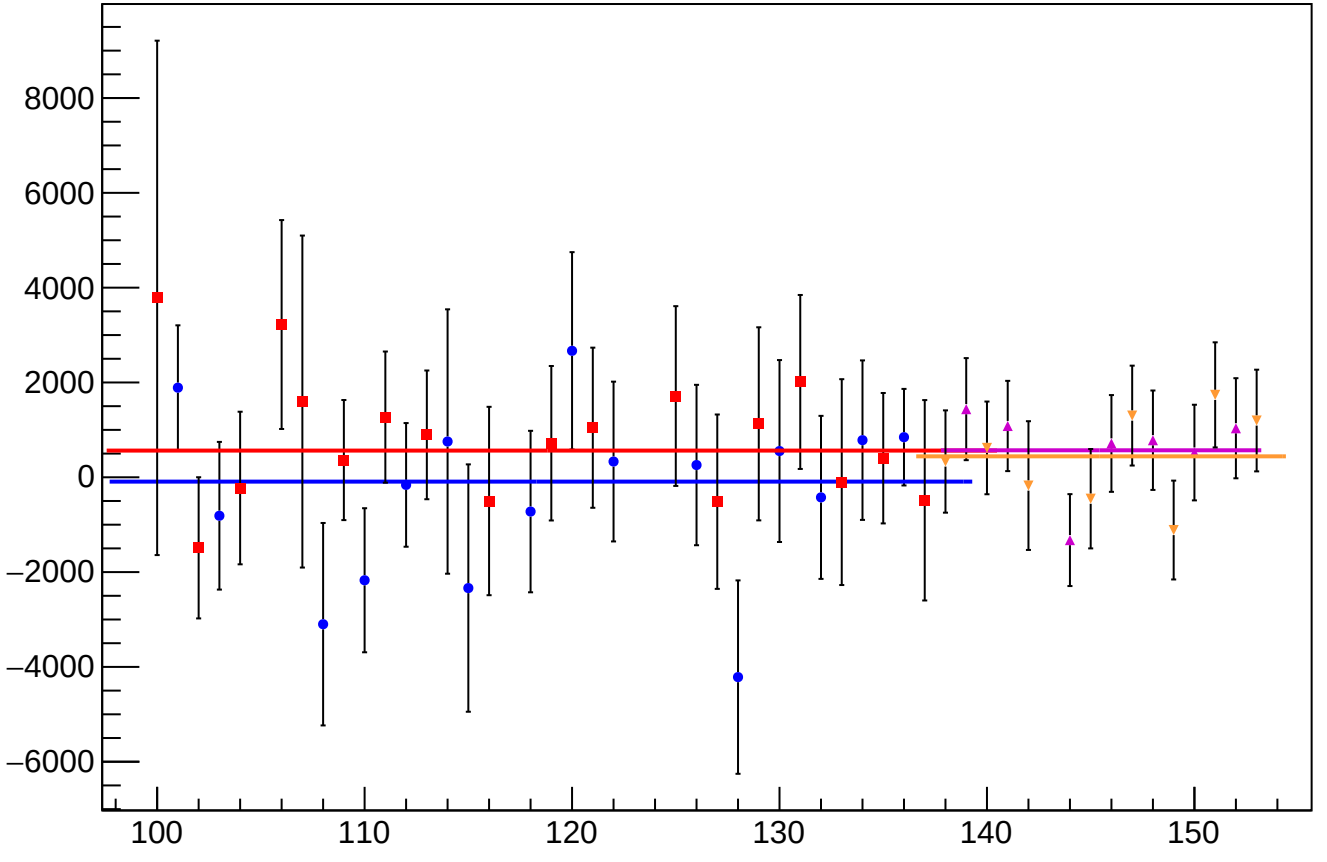
Left In: 526.611+/-0.152 χ^2/NDF:218323.5/6

+ sign 588.627+/-0.118 χ^2/NDF: 1754748.8/23

All: 588.358+/-0.083 χ^2/NDF: 3697334.7/48

- sign 588.089+/-0.118 χ^2/NDF: 1942575.5/24

asym_us_dd_mean vs Slug



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

Left Out: 441.883+/-381.758 χ^2/NDF:5.7/7

Right Out: 563.292+/-411.565 χ^2/NDF: 6.5/17

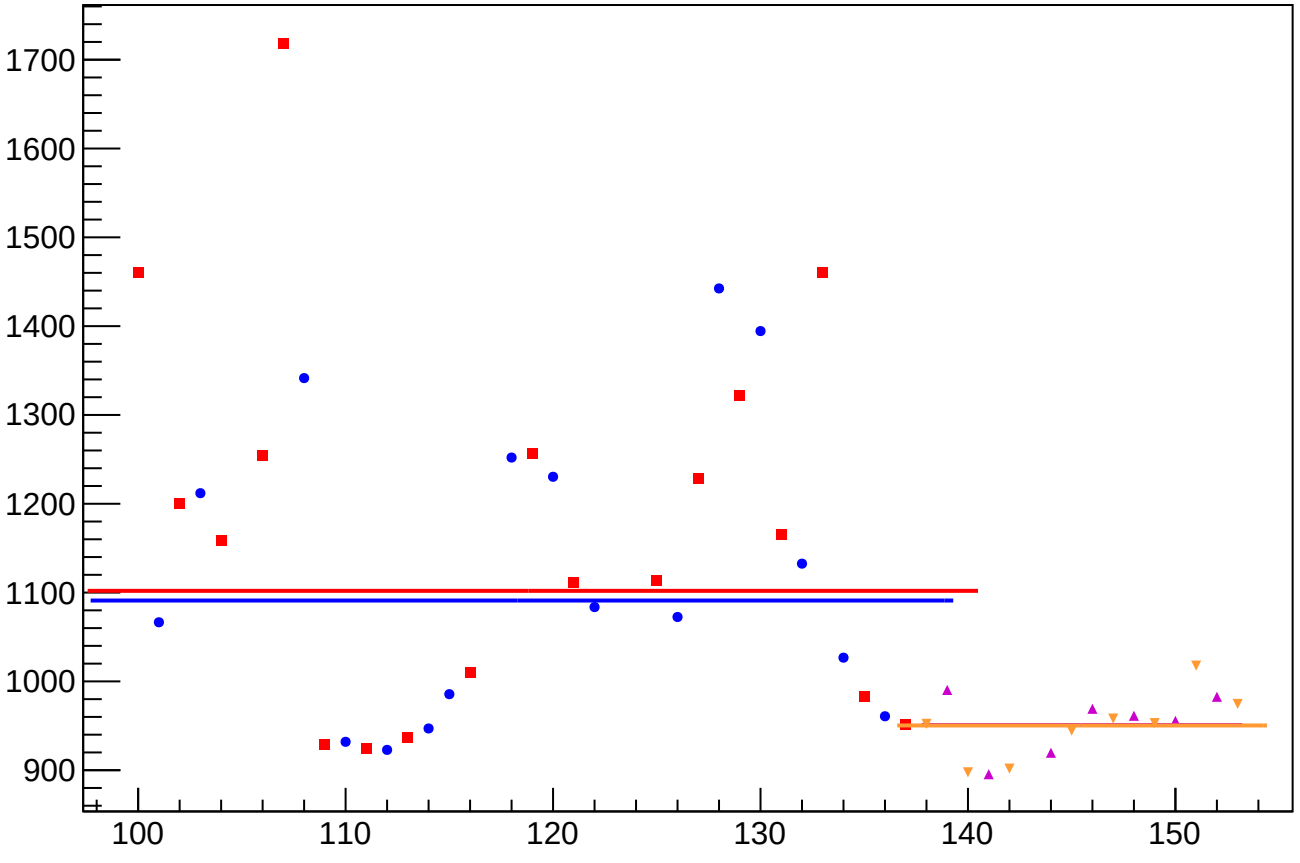
Left In: 569.586+/-384.060 χ^2/NDF:5.0/6

+ sign 194.256+/-279.381 χ^2/NDF: 21.2/23

All: 379.518+/-198.049 χ^2/NDF: 33.6/48

- sign 566.656+/-280.792 χ^2/NDF: 11.5/24

asym_us_dd_rms vs Slug



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 950.384+/-0.270 χ^2/NDF:16989.5/7

Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

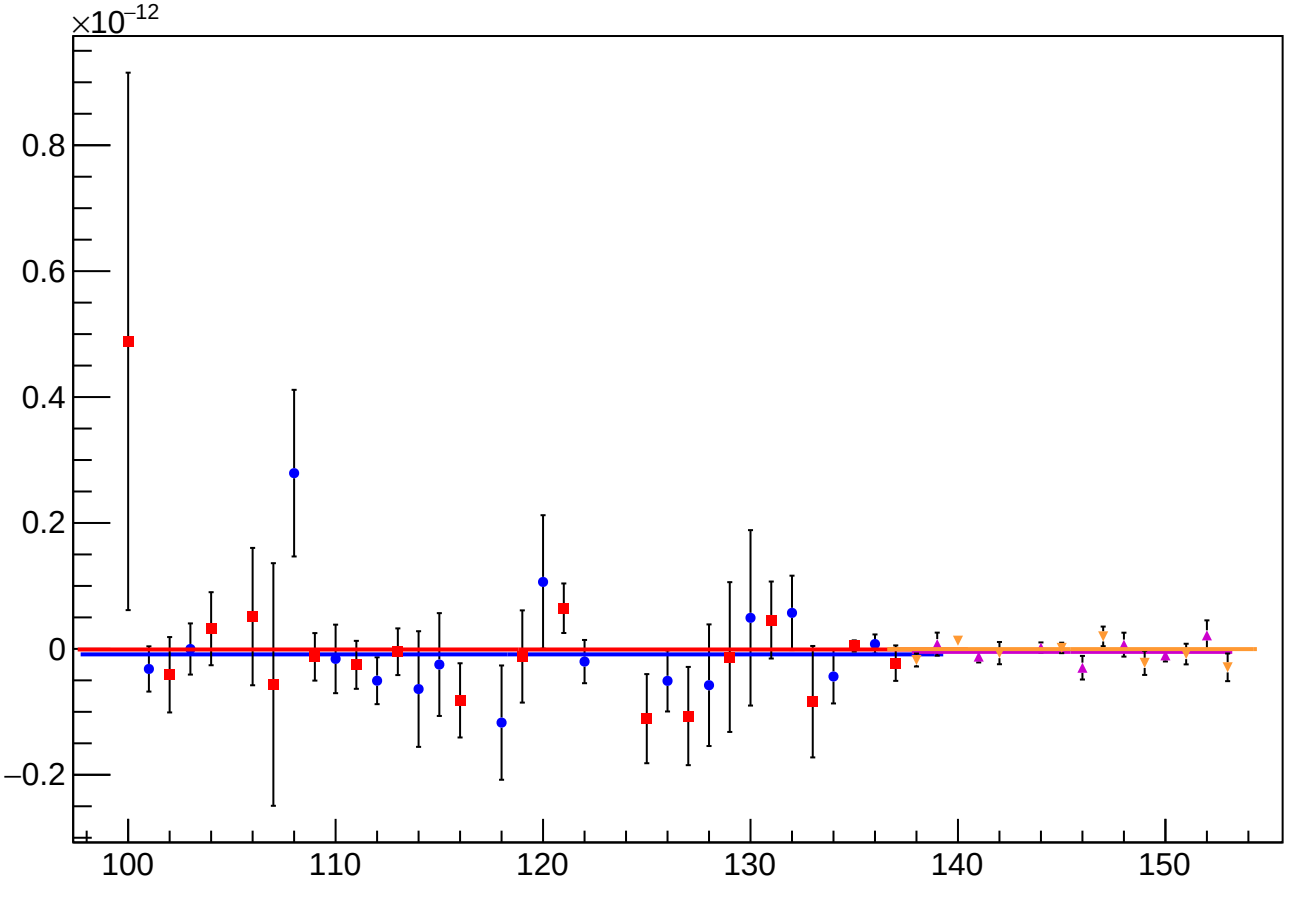
Left In: 950.876+/-0.272 χ^2/NDF:14232.2/6

+ sign 1015.709+/-0.198 χ^2/NDF: 420388.9/23

All: 1018.440+/-0.140 χ^2/NDF: 907165.5/48

- sign 1021.198+/-0.199 χ^2/NDF: 486392.5/24

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/7

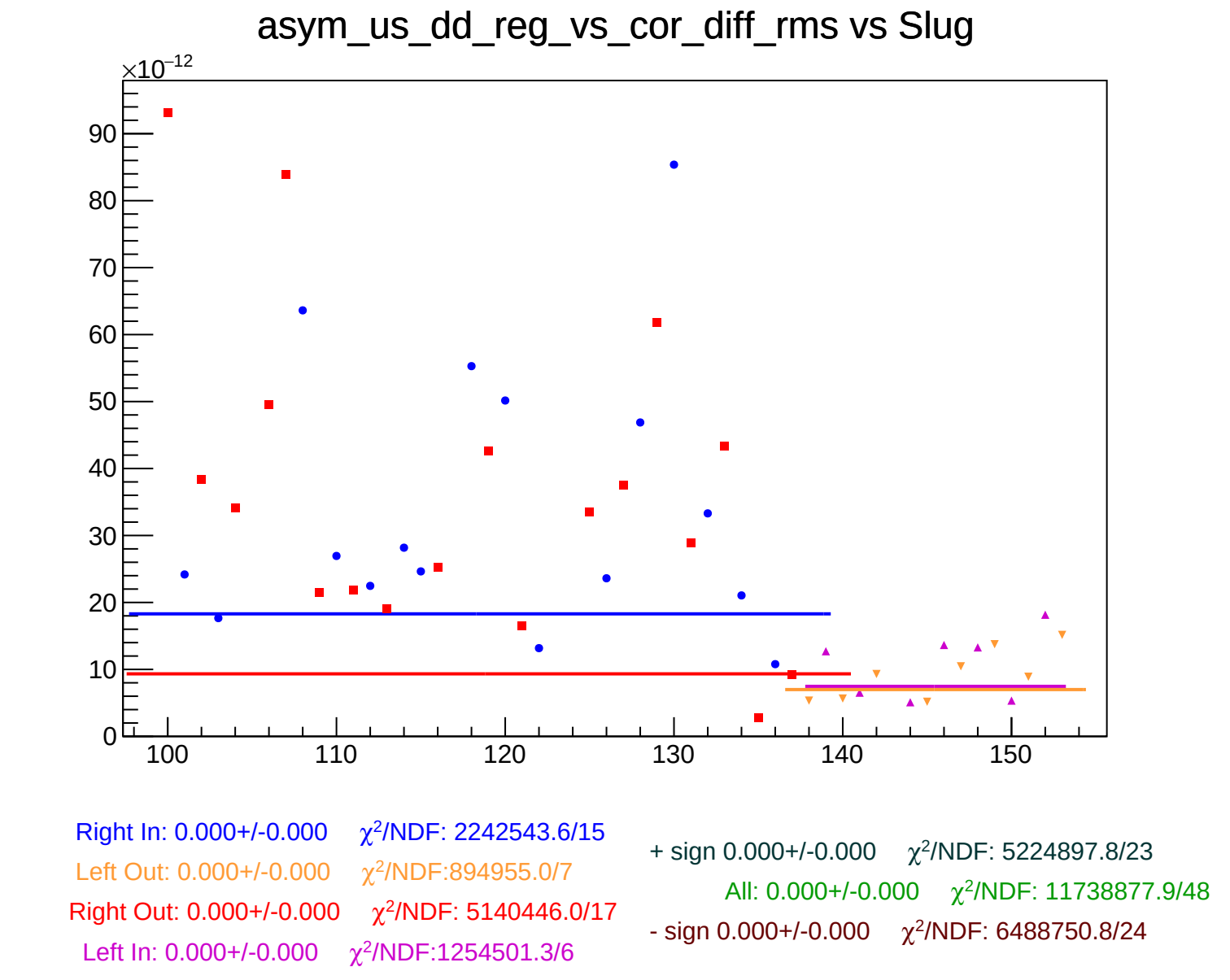
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:5.5/6

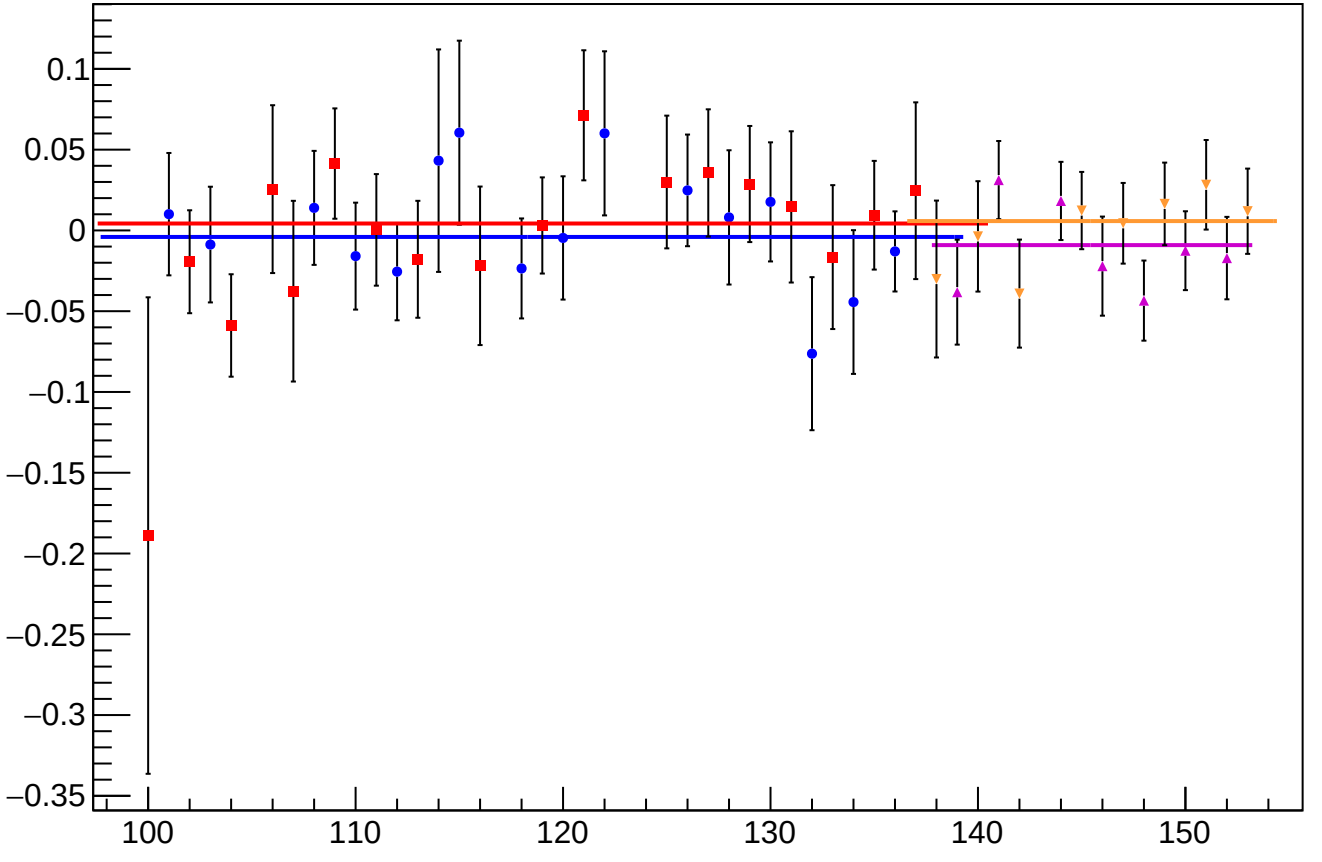
+ sign -0.000+/-0.000 χ^2/NDF: 25.4/23

All: -0.000+/-0.000 χ^2/NDF: 45.5/48

- sign -0.000+/-0.000 χ^2/NDF: 20.0/24


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:894955.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1254501.3/6
+ sign 0.000+/-0.000 χ²/NDF: 5224897.8/23
All: 0.000+/-0.000 χ²/NDF: 11738877.9/48
- sign 0.000+/-0.000 χ²/NDF: 6488750.8/24

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:3.4/7

Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

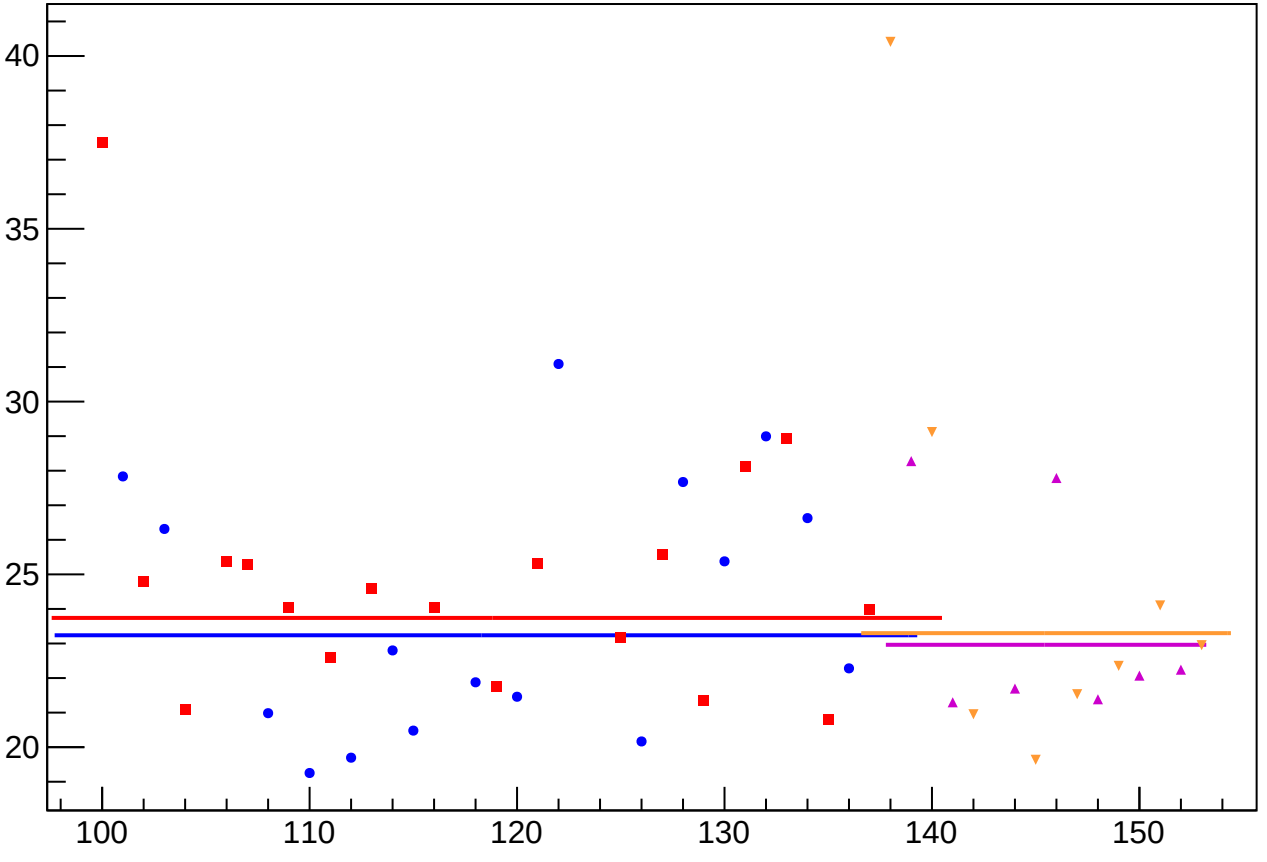
Left In: -0.009+/-0.010 χ^2/NDF:7.1/6

+ sign 0.000+/-0.007 χ^2/NDF: 13.1/23

All: -0.001+/-0.005 χ^2/NDF: 34.7/48

- sign -0.002+/-0.007 χ^2/NDF: 21.5/24

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 23.299+/-0.007 χ^2/NDF:377858.8/7

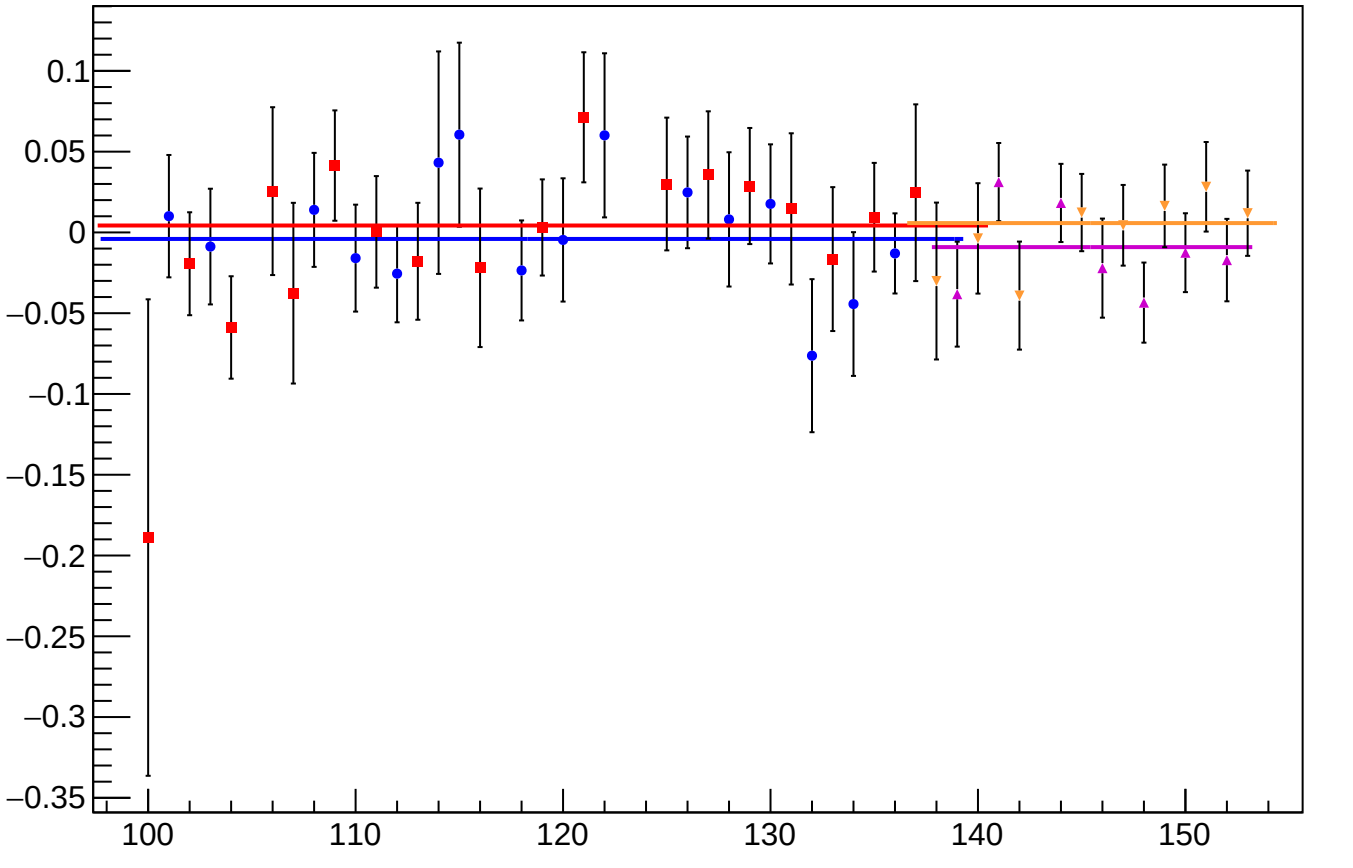
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.962+/-0.007 χ^2/NDF:130370.6/6

+ sign 23.266+/-0.005 χ^2/NDF: 637134.5/23

All: 23.320+/-0.003 χ^2/NDF: 900511.5/48

- sign 23.374+/-0.005 χ^2/NDF: 263126.0/24



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:3.4/7

Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

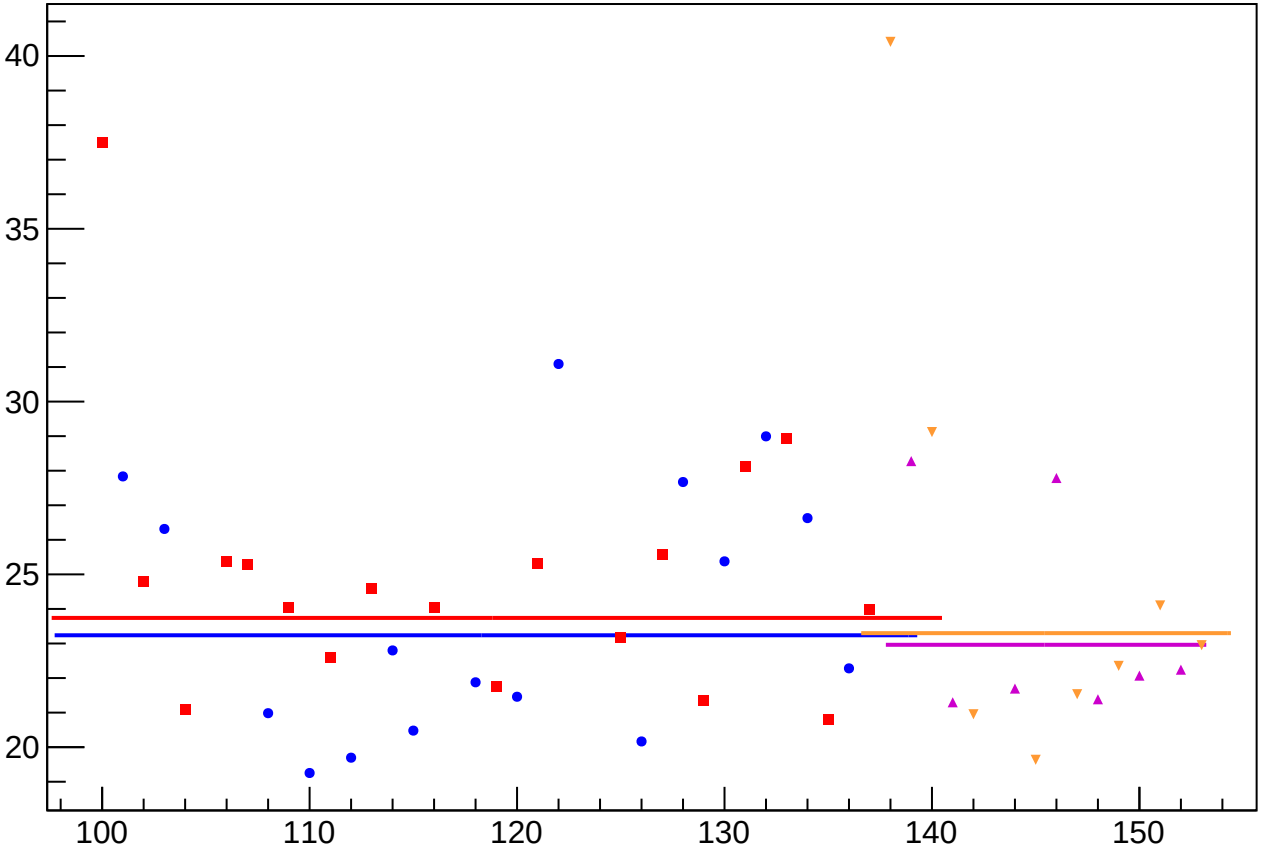
Left In: -0.009+/-0.010 χ^2/NDF:7.1/6

+ sign 0.000+/-0.007 χ^2/NDF: 13.1/23

All: -0.001+/-0.005 χ^2/NDF: 34.7/48

- sign -0.002+/-0.007 χ^2/NDF: 21.5/24

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 23.299+/-0.007 χ^2/NDF:377858.8/7

Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

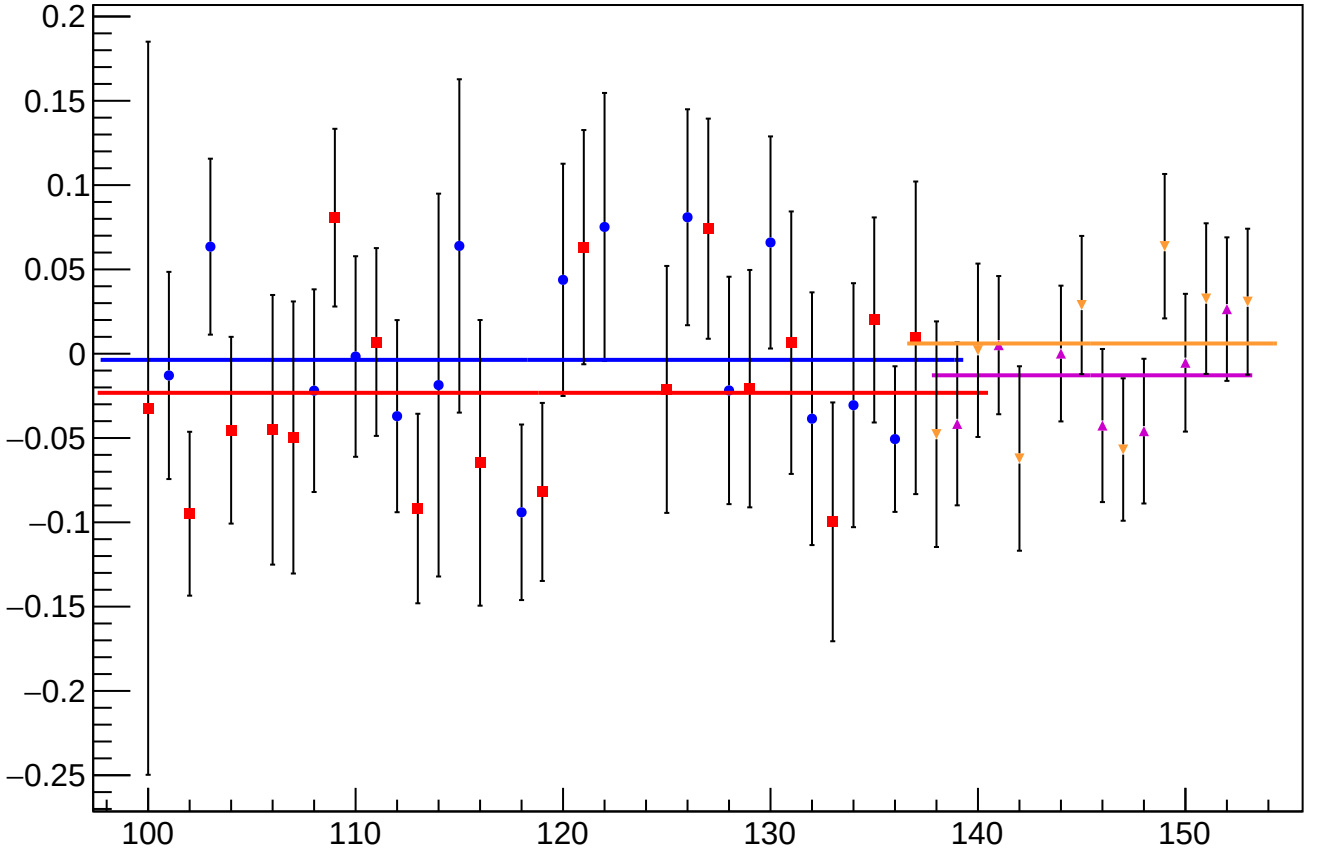
Left In: 22.962+/-0.007 χ^2/NDF:130370.6/6

+ sign 23.266+/-0.005 χ^2/NDF: 637134.5/23

All: 23.320+/-0.003 χ^2/NDF: 900511.5/48

- sign 23.374+/-0.005 χ^2/NDF: 263126.0/24

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.017 χ^2/NDF:7.2/7

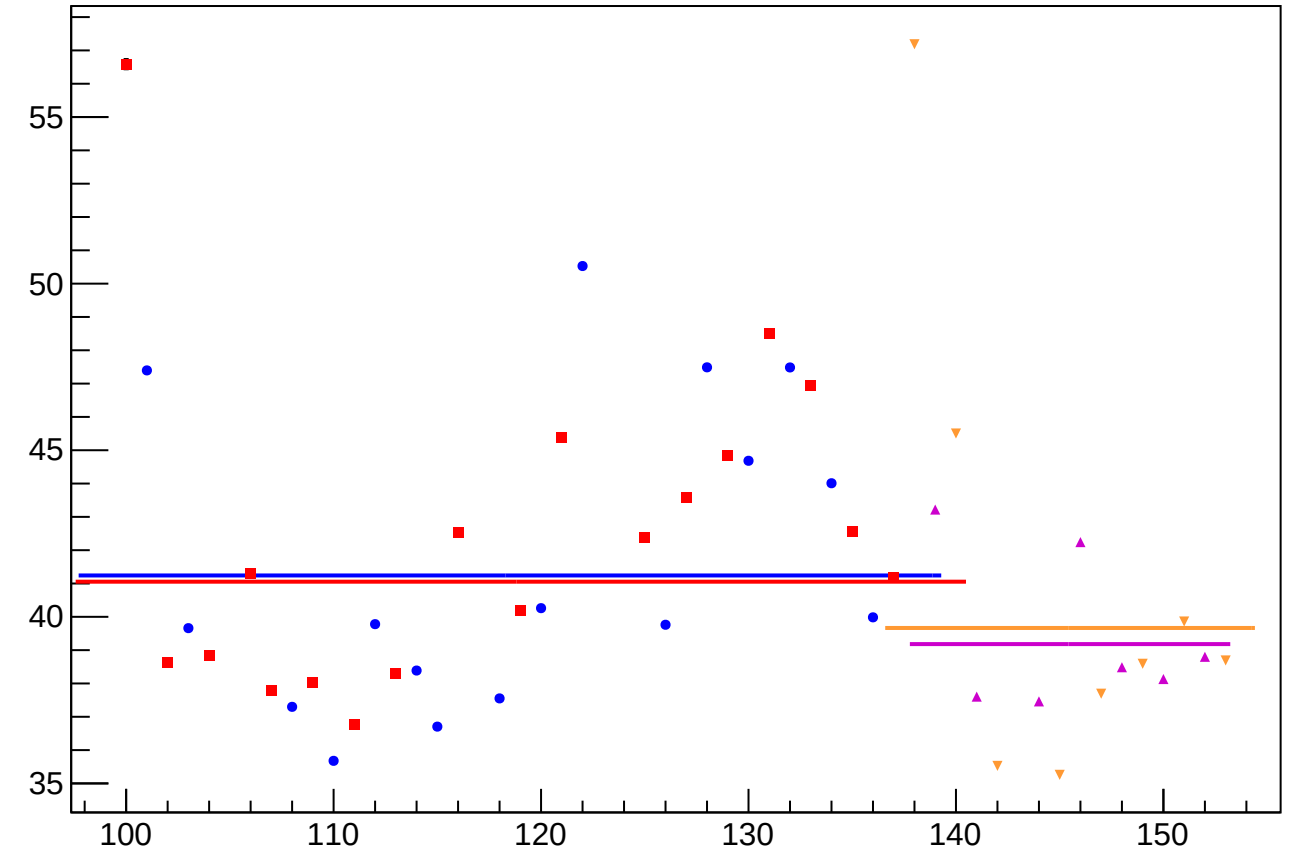
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.013+/-0.016 χ^2/NDF:2.6/6

+ sign 0.001+/-0.011 χ^2/NDF: 19.1/23

All: -0.009+/-0.008 χ^2/NDF: 38.7/48

- sign -0.018+/-0.011 χ^2/NDF: 18.2/24



Right In: 41.242+/-0.011 χ^2/NDF: 135279.1/15

Left Out: 39.666+/-0.012 χ^2/NDF:204144.2/7

Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

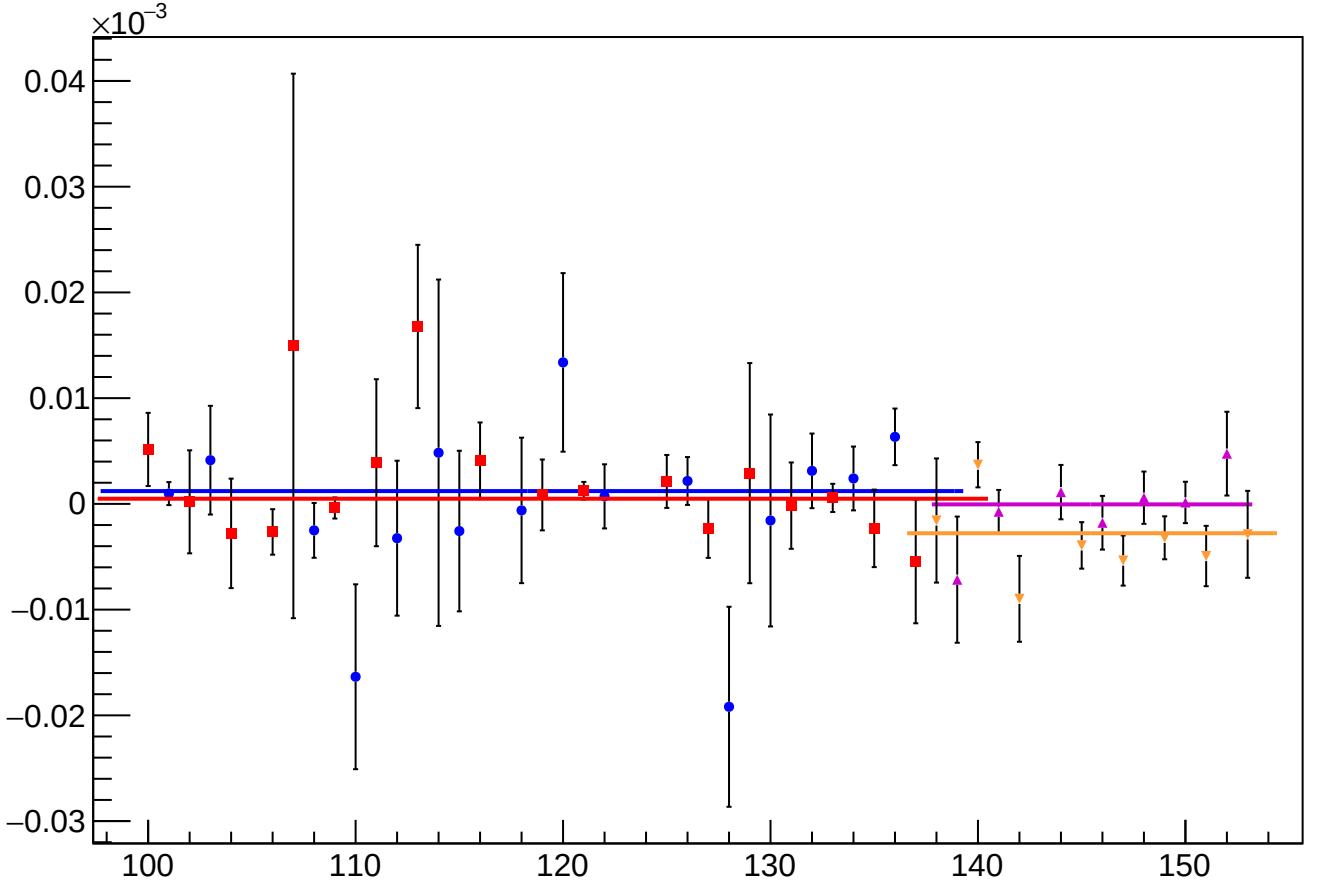
Left In: 39.182+/-0.011 χ^2/NDF:31669.4/6

+ sign 40.491+/-0.008 χ^2/NDF: 348976.8/23

All: 40.322+/-0.006 χ^2/NDF: 492049.3/48

- sign 40.158+/-0.008 χ^2/NDF: 142201.7/24

asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

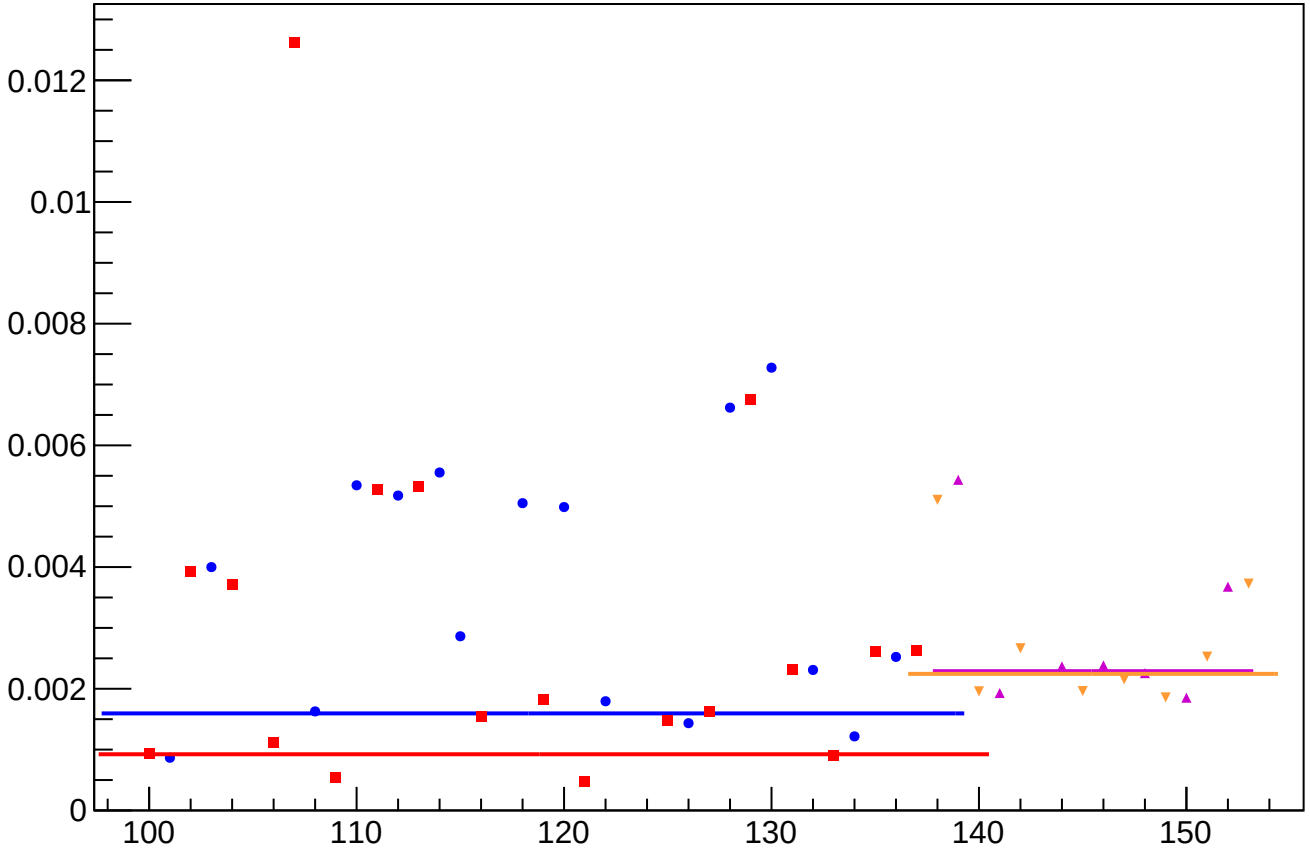
Left In: -0.000+/-0.000 χ^2/NDF:3.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 42.8/23

All: 0.000+/-0.000 χ^2/NDF: 62.7/48

- sign 0.000+/-0.000 χ^2/NDF: 19.0/24

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4762068.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:920924.2/7

Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

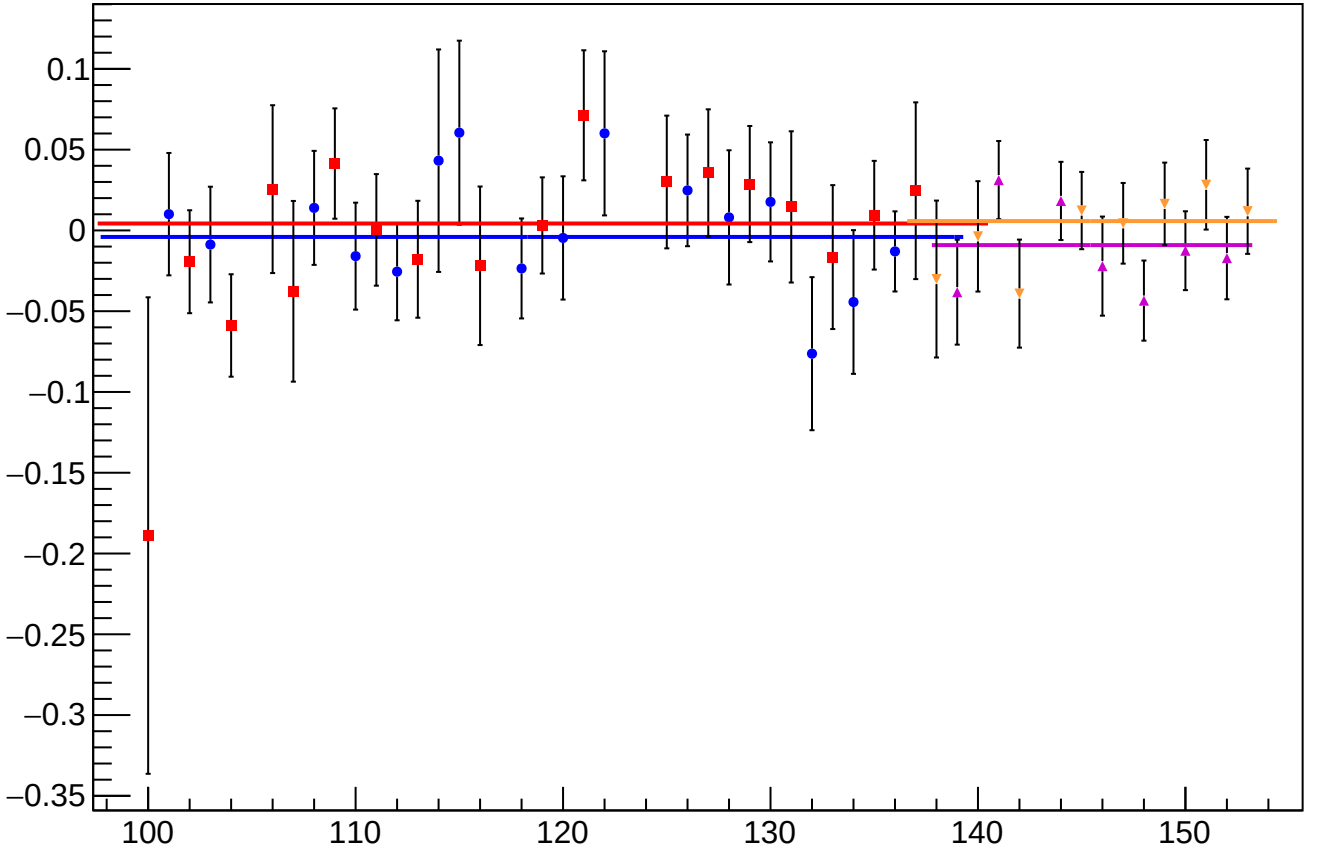
Left In: 0.002+/-0.000 χ^2/NDF:965957.0/6

+ sign 0.002+/-0.000 χ^2/NDF: 6261576.1/23

All: 0.001+/-0.000 χ^2/NDF: 17643797.0/48

- sign 0.001+/-0.000 χ^2/NDF: 9874482.8/24

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:3.4/7

Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

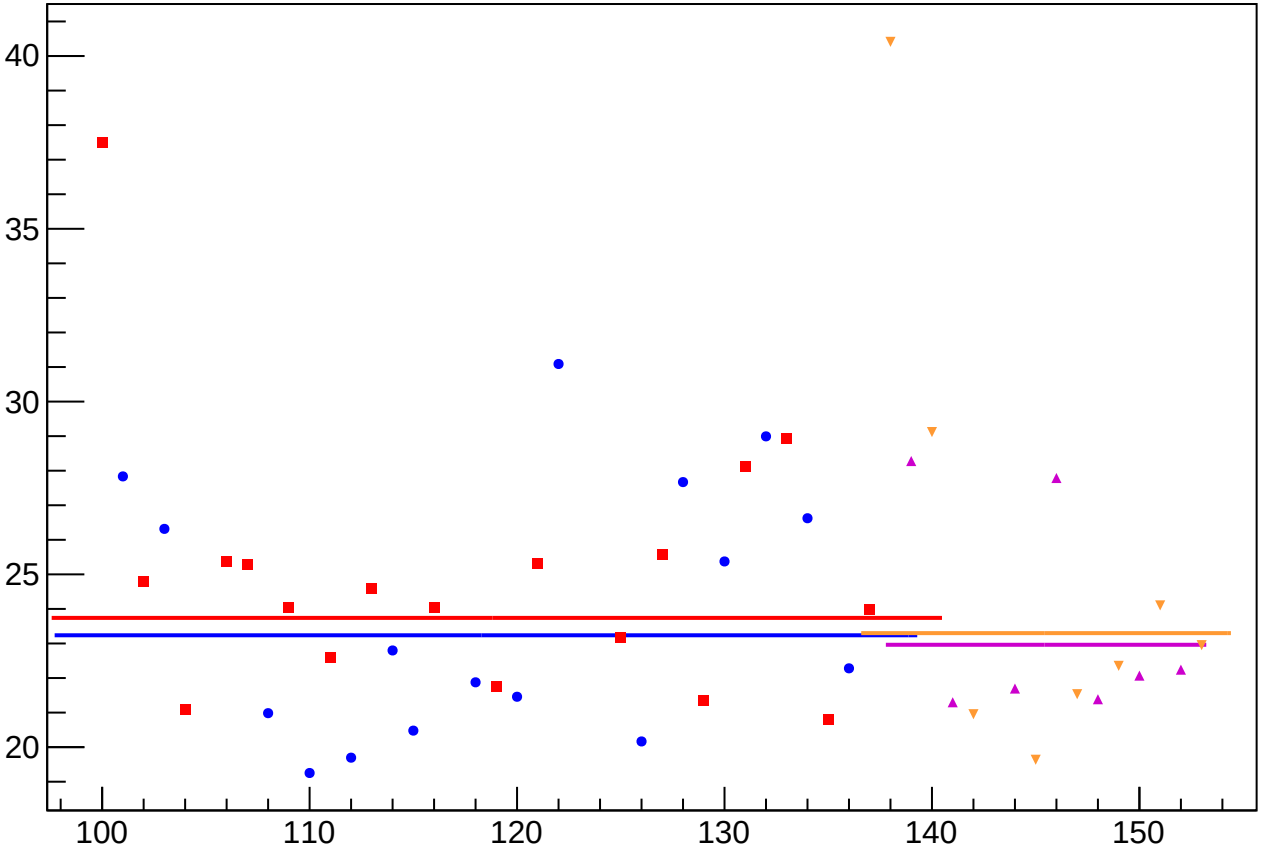
Left In: -0.009+/-0.010 χ^2/NDF:7.1/6

+ sign 0.000+/-0.007 χ^2/NDF: 13.1/23

All: -0.001+/-0.005 χ^2/NDF: 34.7/48

- sign -0.002+/-0.007 χ^2/NDF: 21.5/24

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

Left Out: 23.300+/-0.007 χ^2/NDF:377852.7/7

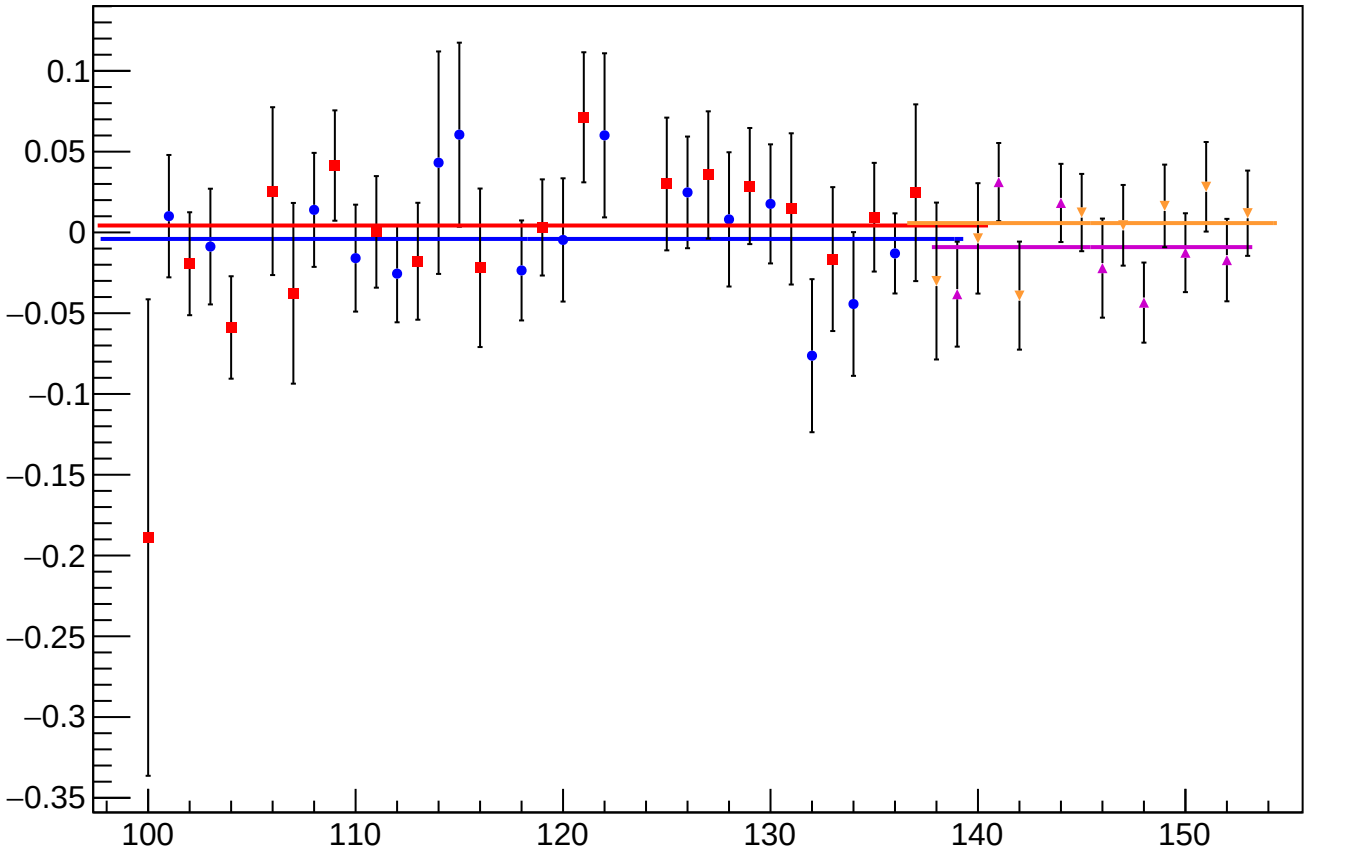
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.962+/-0.007 χ^2/NDF:130385.5/6

+ sign 23.266+/-0.005 χ^2/NDF: 637118.2/23

All: 23.320+/-0.003 χ^2/NDF: 900465.2/48

- sign 23.374+/-0.005 χ^2/NDF: 263094.1/24



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:3.4/7

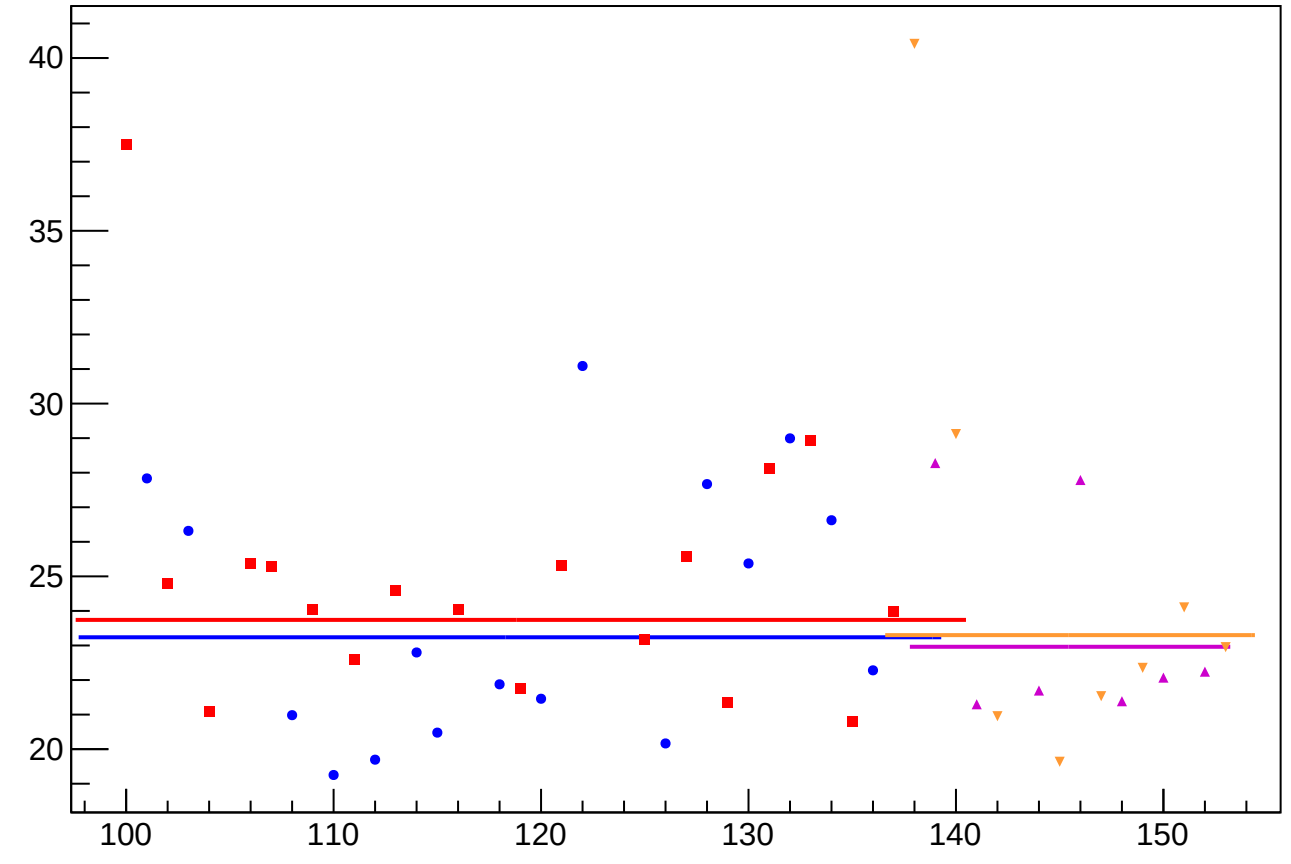
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.009+/-0.010 χ^2/NDF:7.1/6

+ sign 0.000+/-0.007 χ^2/NDF: 13.1/23

All: -0.001+/-0.005 χ^2/NDF: 34.7/48

- sign -0.002+/-0.007 χ^2/NDF: 21.5/24



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

Left Out: 23.300+/-0.007 χ^2/NDF:377852.7/7

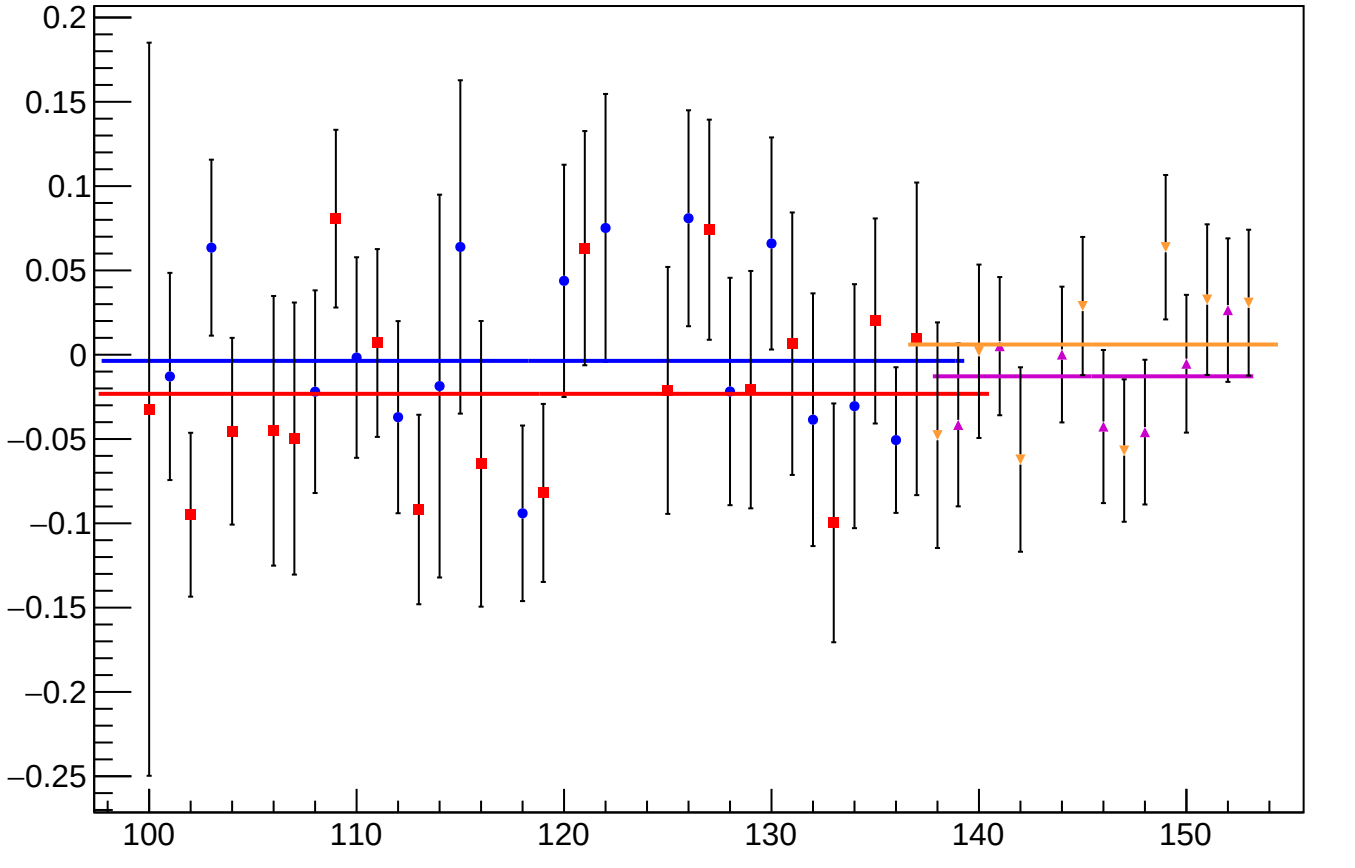
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.962+/-0.007 χ^2/NDF:130385.5/6

+ sign 23.266+/-0.005 χ^2/NDF: 637118.2/23

All: 23.320+/-0.003 χ^2/NDF: 900465.2/48

- sign 23.374+/-0.005 χ^2/NDF: 263094.1/24



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.017 χ^2/NDF:7.2/7

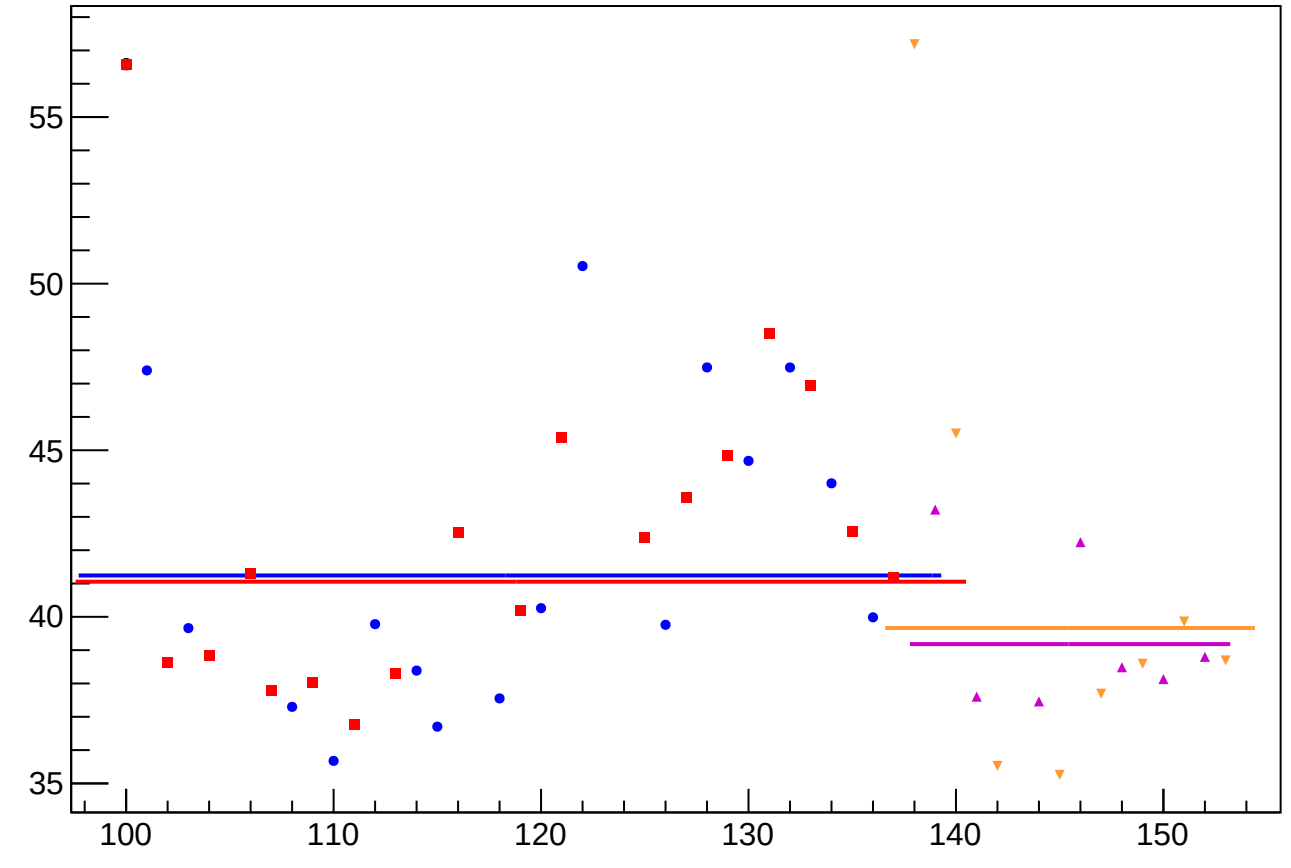
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.013+/-0.016 χ^2/NDF:2.6/6

+ sign 0.001+/-0.011 χ^2/NDF: 19.1/23

All: -0.009+/-0.008 χ^2/NDF: 38.7/48

- sign -0.018+/-0.011 χ^2/NDF: 18.2/24



Right In: 41.241+/-0.011 χ^2/NDF: 135256.9/15

Left Out: 39.666+/-0.012 χ^2/NDF:204143.8/7

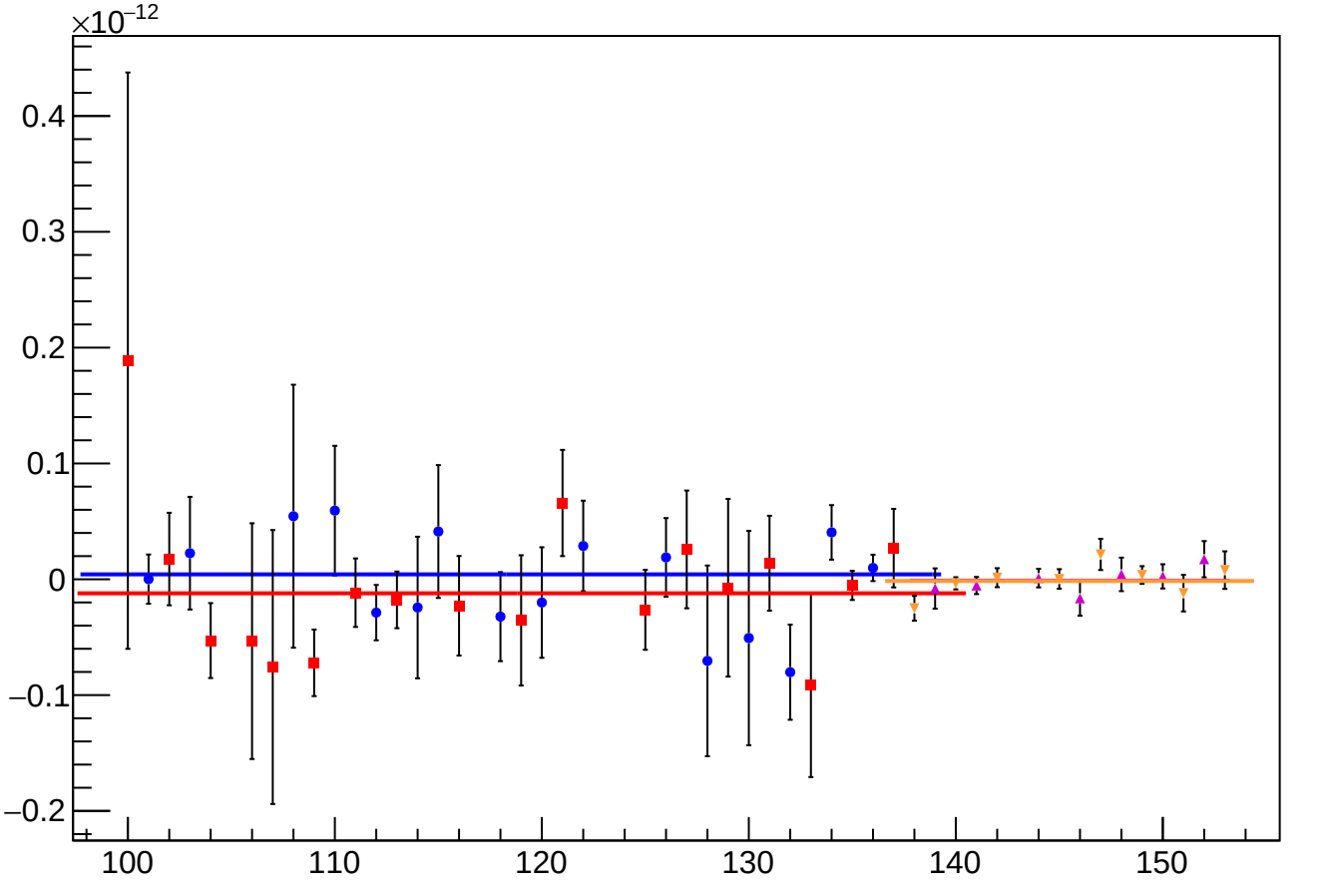
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 39.182+/-0.011 χ^2/NDF:31674.8/6

+ sign 40.491+/-0.008 χ^2/NDF: 348950.5/23

All: 40.322+/-0.006 χ^2/NDF: 492015.1/48

- sign 40.158+/-0.008 χ^2/NDF: 142194.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/7

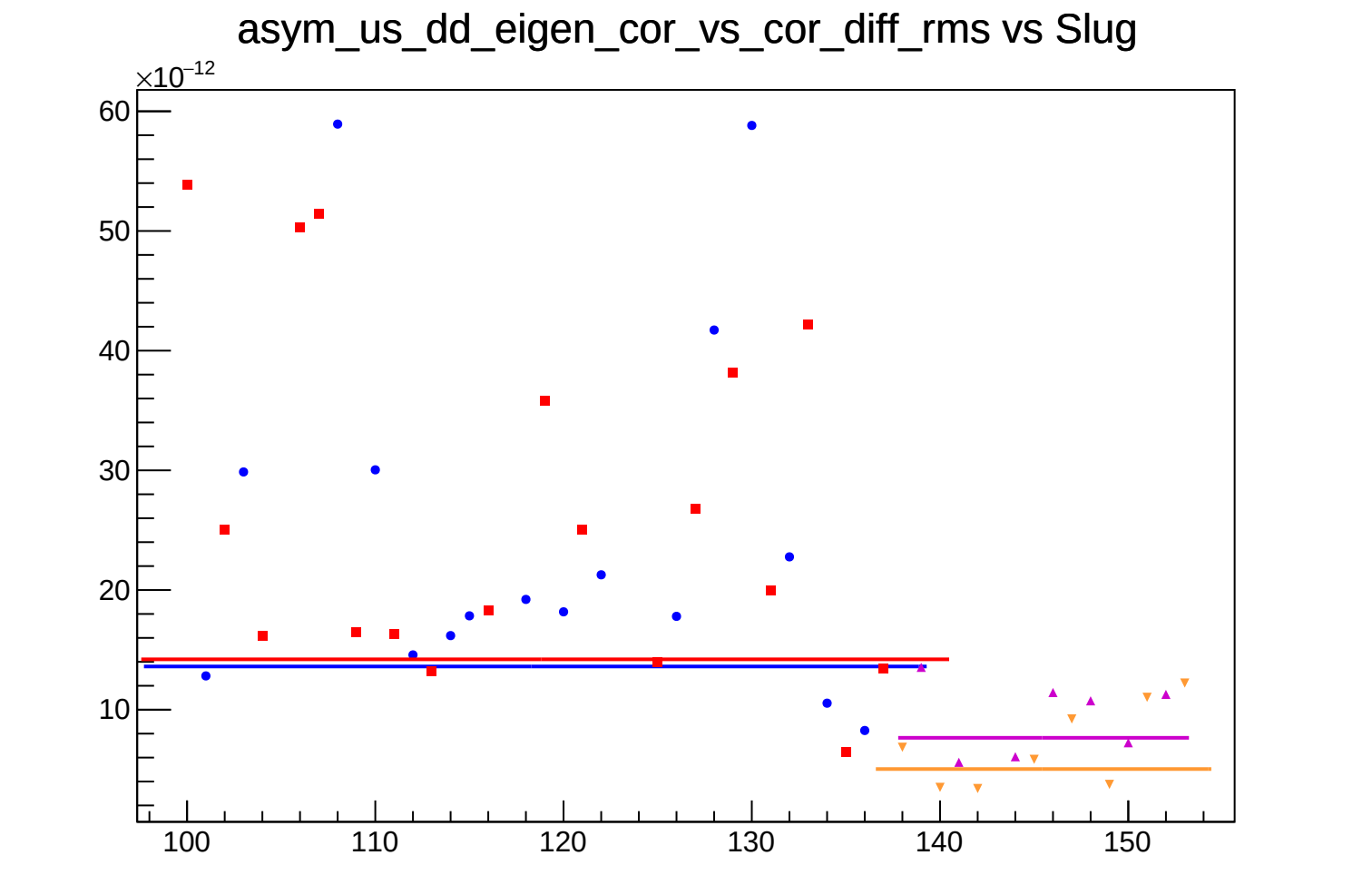
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:3.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/23

All: -0.000+/-0.000 χ^2/NDF: 43.2/48

- sign -0.000+/-0.000 χ^2/NDF: 19.4/24


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
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40
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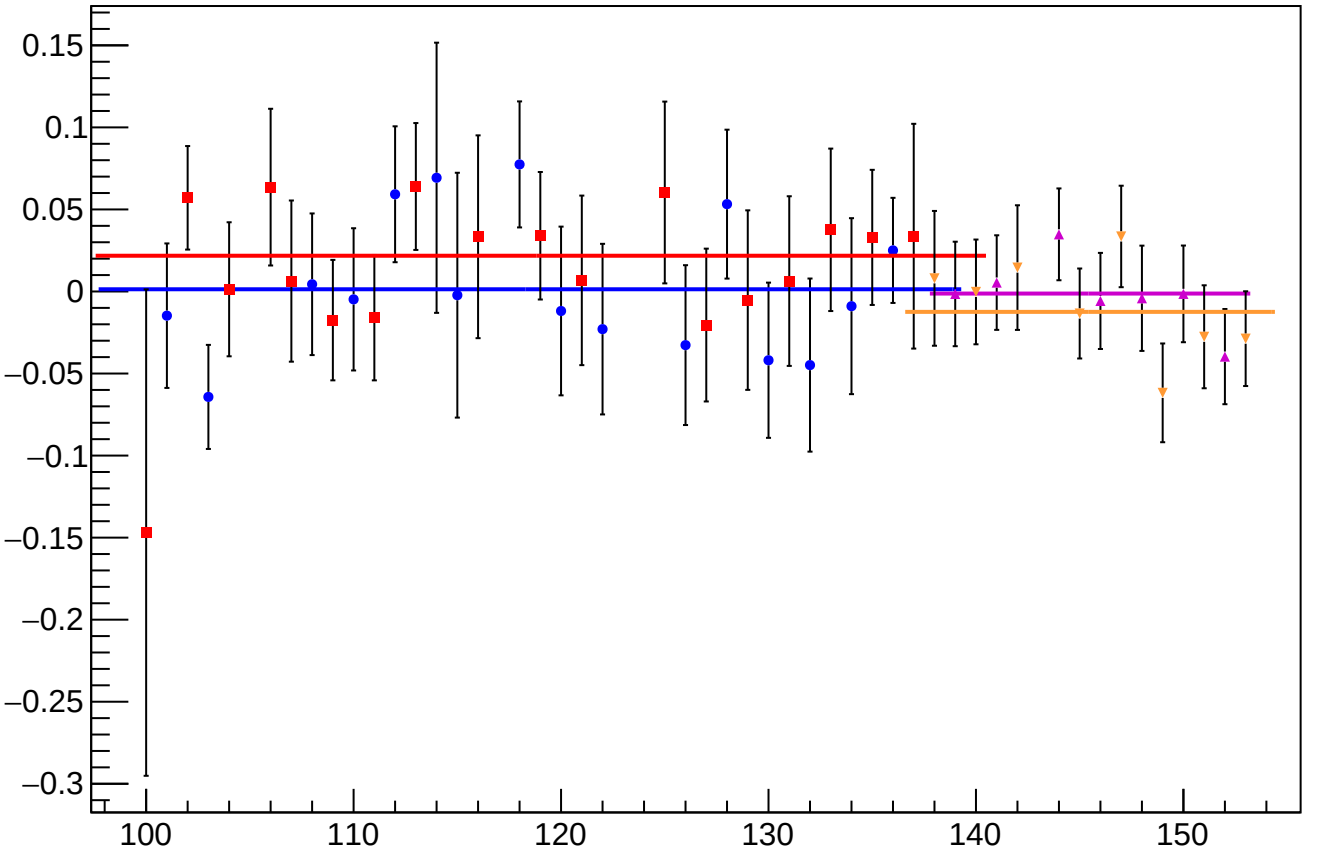
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1254144.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:789211.3/6
+ sign 0.000+/-0.000 χ²/NDF: 5736688.2/23
All: 0.000+/-0.000 χ²/NDF: 10815005.0/48
- sign 0.000+/-0.000 χ²/NDF: 4371601.0/24



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.012+/-0.011 χ^2/NDF:6.4/7

Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

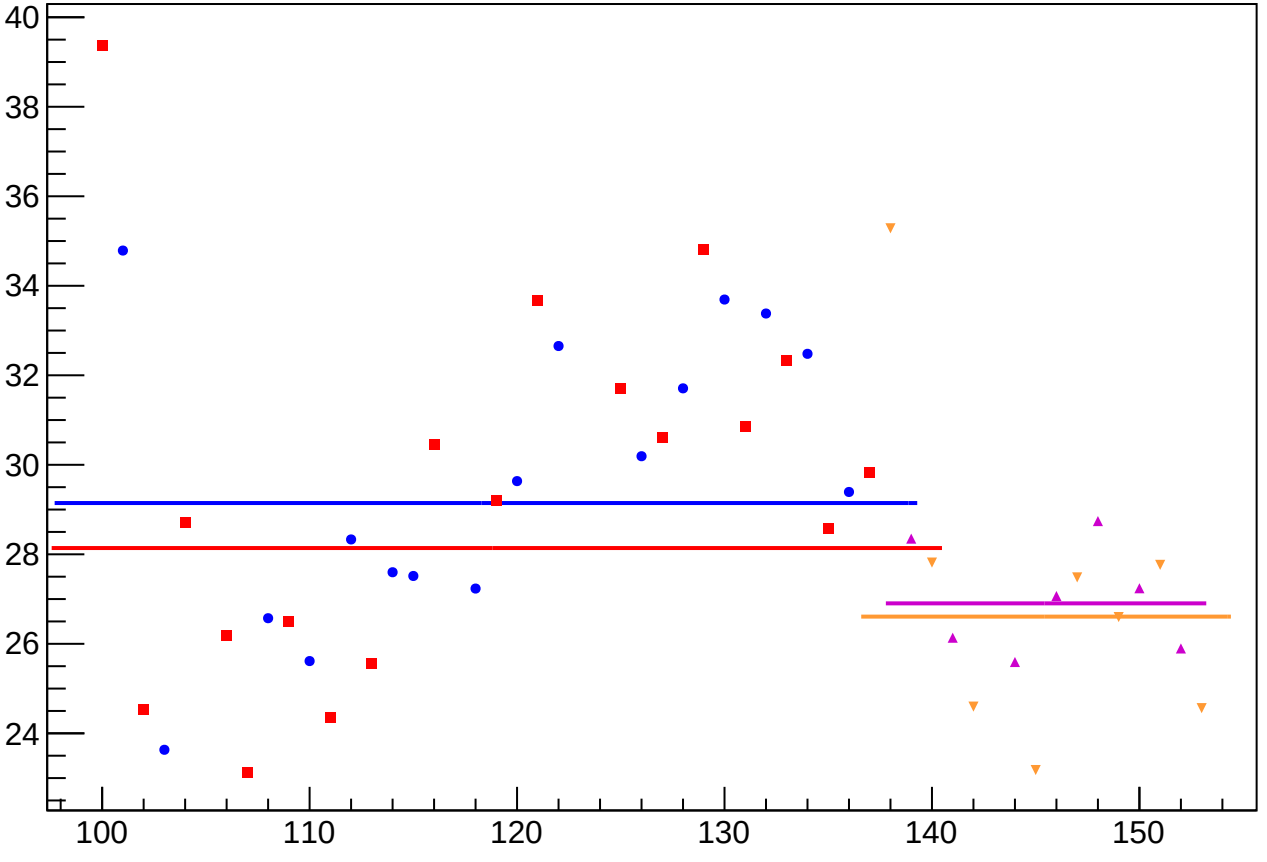
Left In: -0.001+/-0.011 χ^2/NDF:3.5/6

+ sign -0.006+/-0.008 χ^2/NDF: 22.4/23

All: 0.003+/-0.006 χ^2/NDF: 39.3/48

- sign 0.011+/-0.008 χ^2/NDF: 14.7/24

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 26.608+/-0.008 χ^2/NDF:143354.7/7

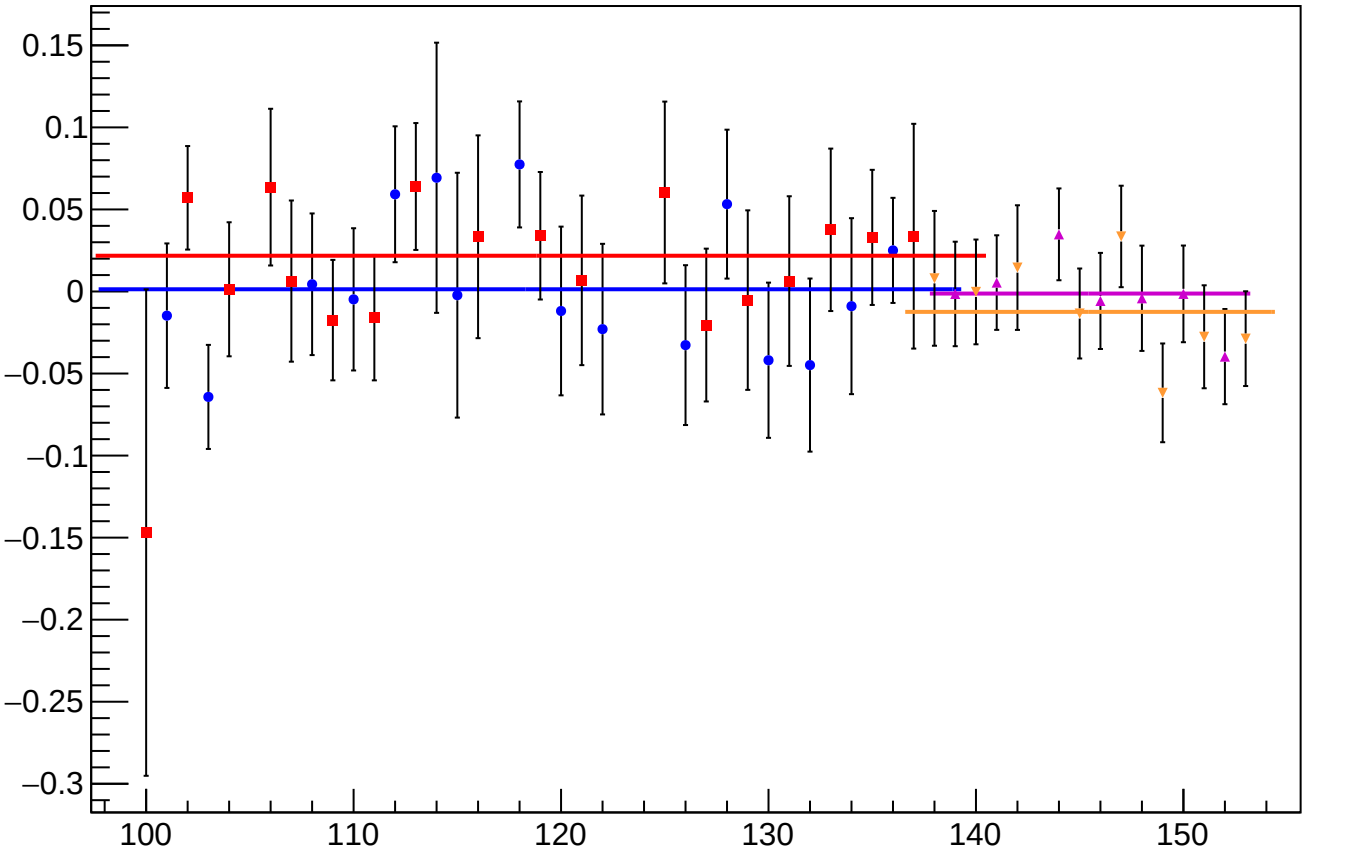
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 26.904+/-0.008 χ^2/NDF:19239.5/6

+ sign 27.876+/-0.006 χ^2/NDF: 371495.6/23

All: 27.708+/-0.004 χ^2/NDF: 592225.4/48

- sign 27.547+/-0.005 χ^2/NDF: 218969.2/24



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.012+/-0.011 χ^2/NDF:6.4/7

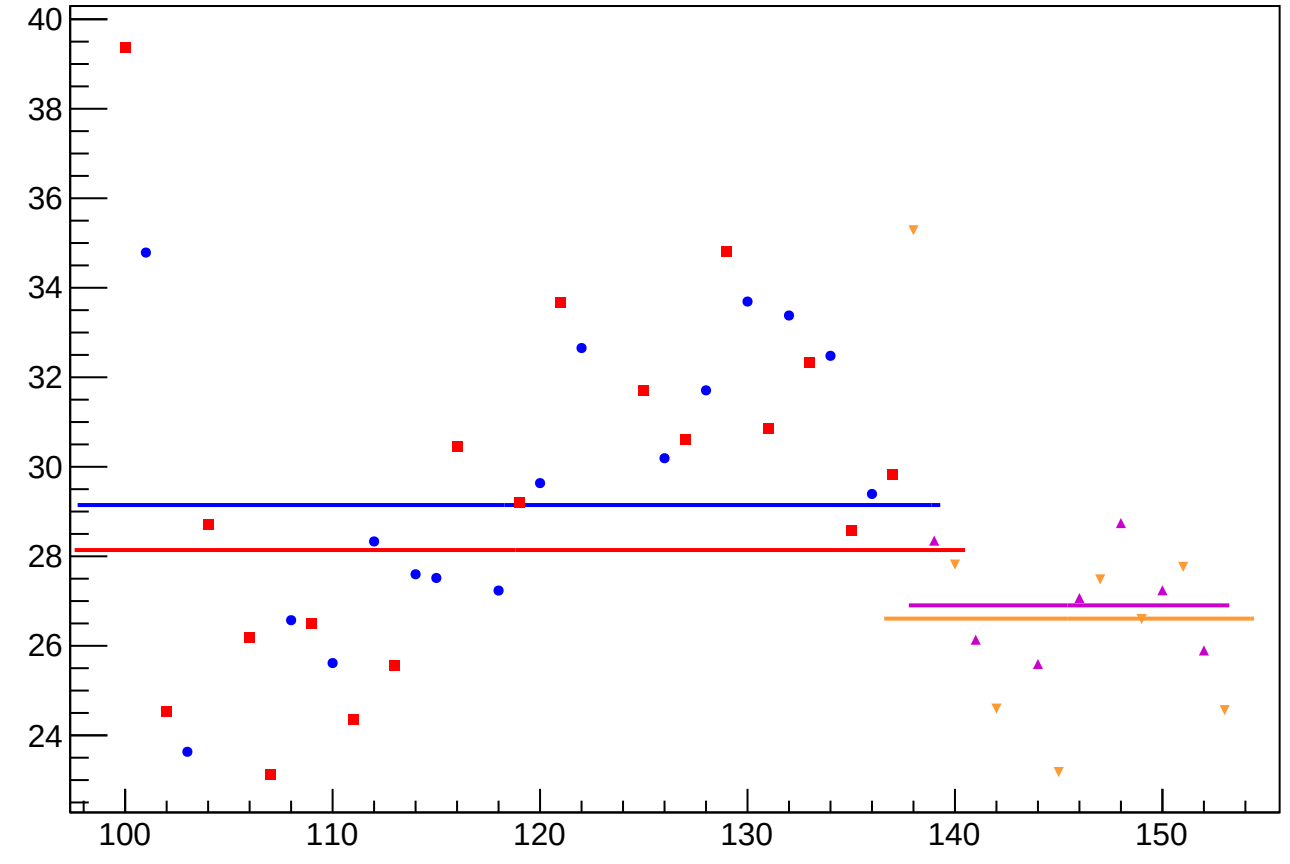
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.001+/-0.011 χ^2/NDF:3.5/6

+ sign -0.006+/-0.008 χ^2/NDF: 22.4/23

All: 0.003+/-0.006 χ^2/NDF: 39.3/48

- sign 0.011+/-0.008 χ^2/NDF: 14.7/24



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 26.608+/-0.008 χ^2/NDF:143354.7/7

Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

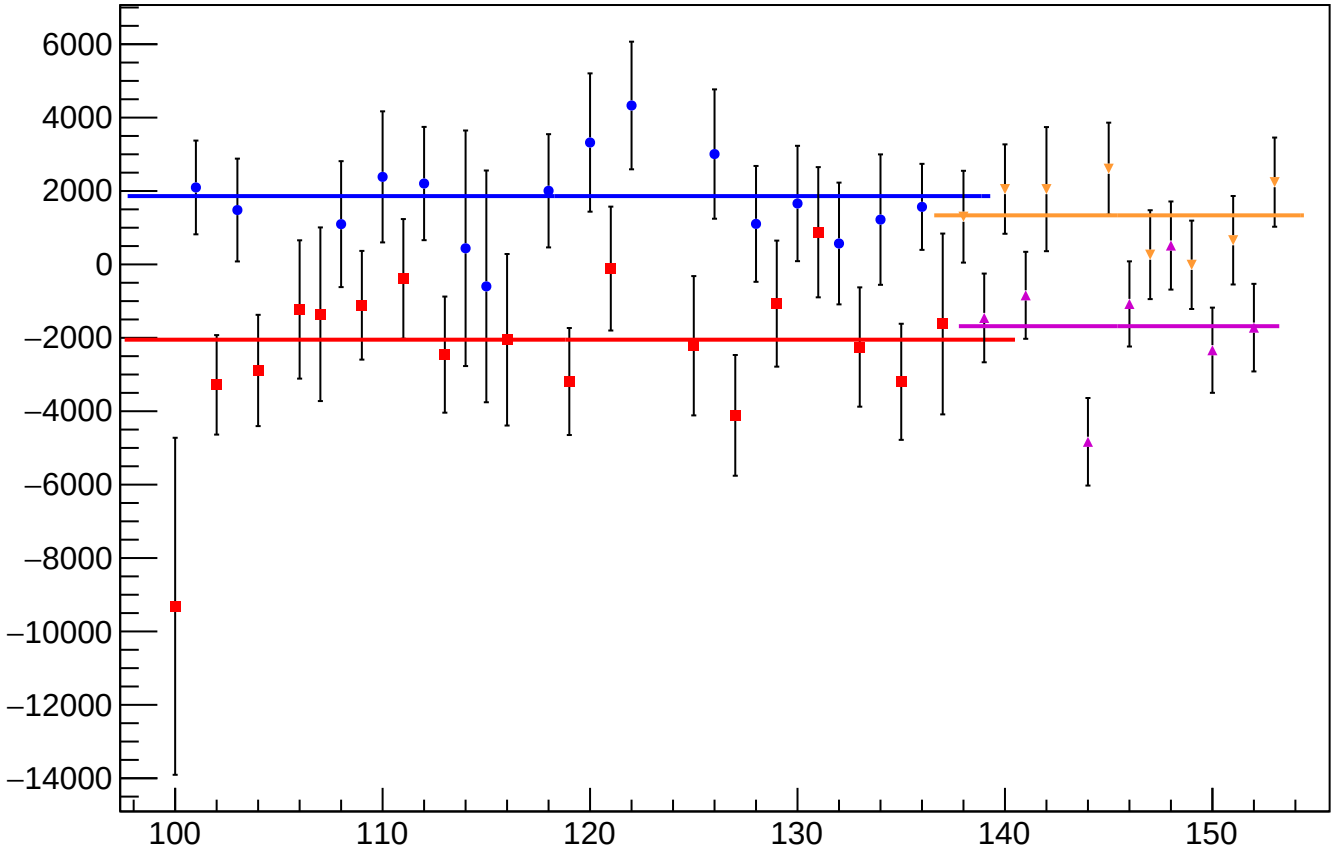
Left In: 26.904+/-0.008 χ^2/NDF:19239.5/6

+ sign 27.876+/-0.006 χ^2/NDF: 371495.6/23

All: 27.708+/-0.004 χ^2/NDF: 592225.4/48

- sign 27.547+/-0.005 χ^2/NDF: 218969.2/24

reg_asym_usl_mean vs Slug



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1337.041+/-445.631 χ^2/NDF:4.5/7

Right Out: -2050.842+/-409.249 χ^2/NDF: 12.5/17

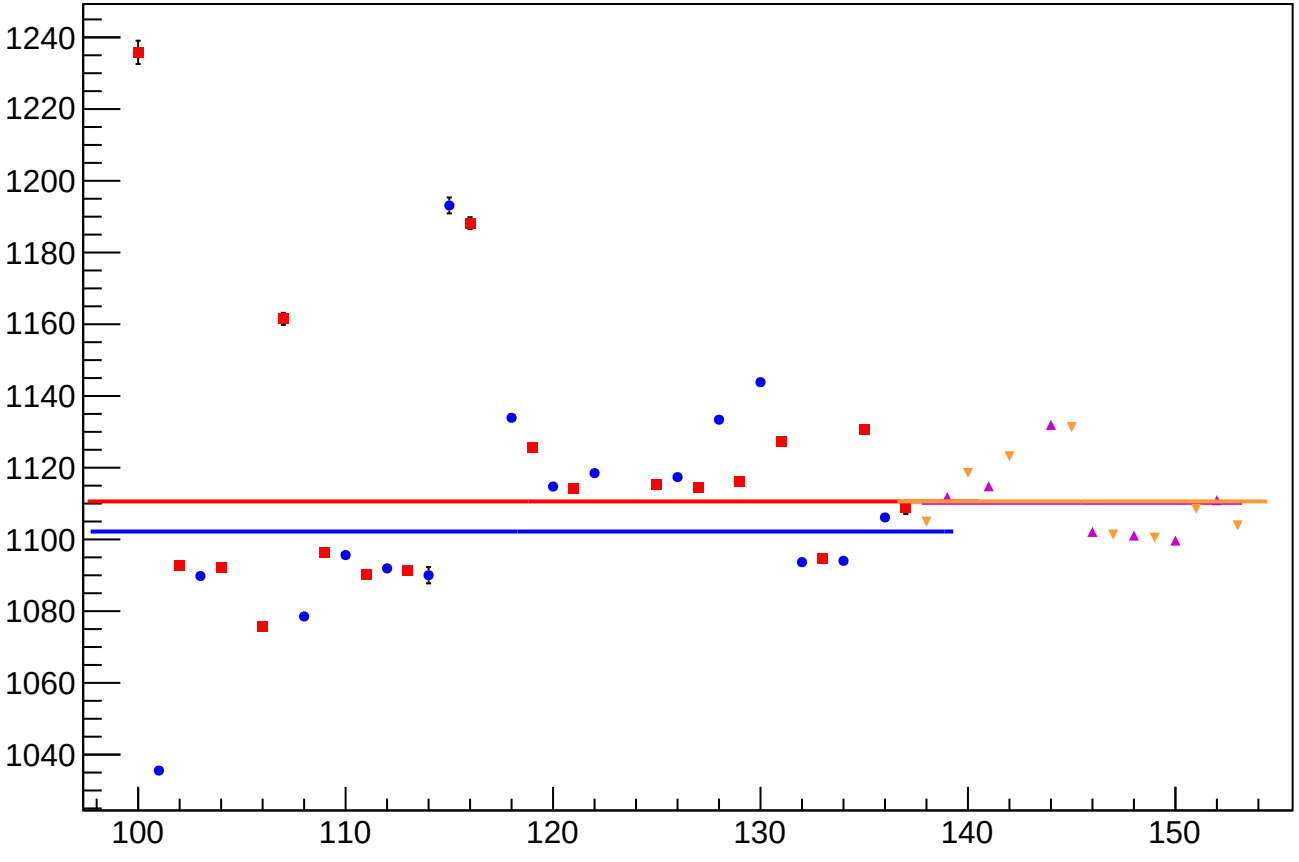
Left In: -1682.850+/-448.101 χ^2/NDF:11.5/6

+ sign 1621.389+/-301.535 χ^2/NDF: 10.5/23

All: -127.270+/-213.447 χ^2/NDF: 102.3/48

- sign -1883.488+/-302.186 χ^2/NDF: 24.4/24

reg_asym_usl_rms vs Slug



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1110.606+/-0.315 χ^2/NDF:1106.2/7

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

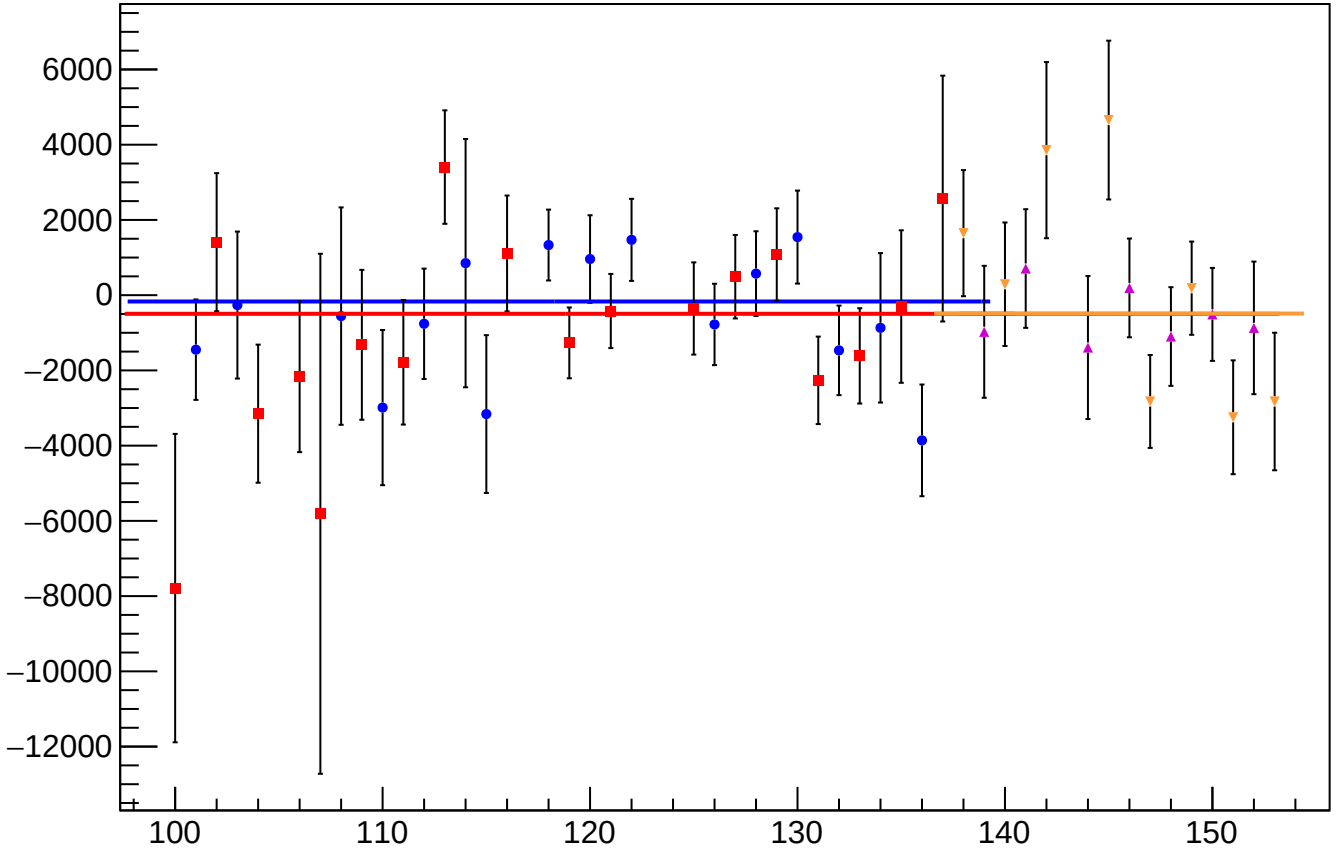
Left In: 1110.216+/-0.317 χ^2/NDF:1076.2/6

+ sign 1106.052+/-0.213 χ^2/NDF: 12840.5/23

All: 1108.231+/-0.151 χ^2/NDF: 21823.0/48

- sign 1110.421+/-0.214 χ^2/NDF: 8773.0/24

asym_usl_reg_correction_mean vs Slug



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -489.160+/-561.025 χ^2/NDF:20.1/7

Right Out: -495.172+/-345.054 χ^2/NDF: 23.3/17

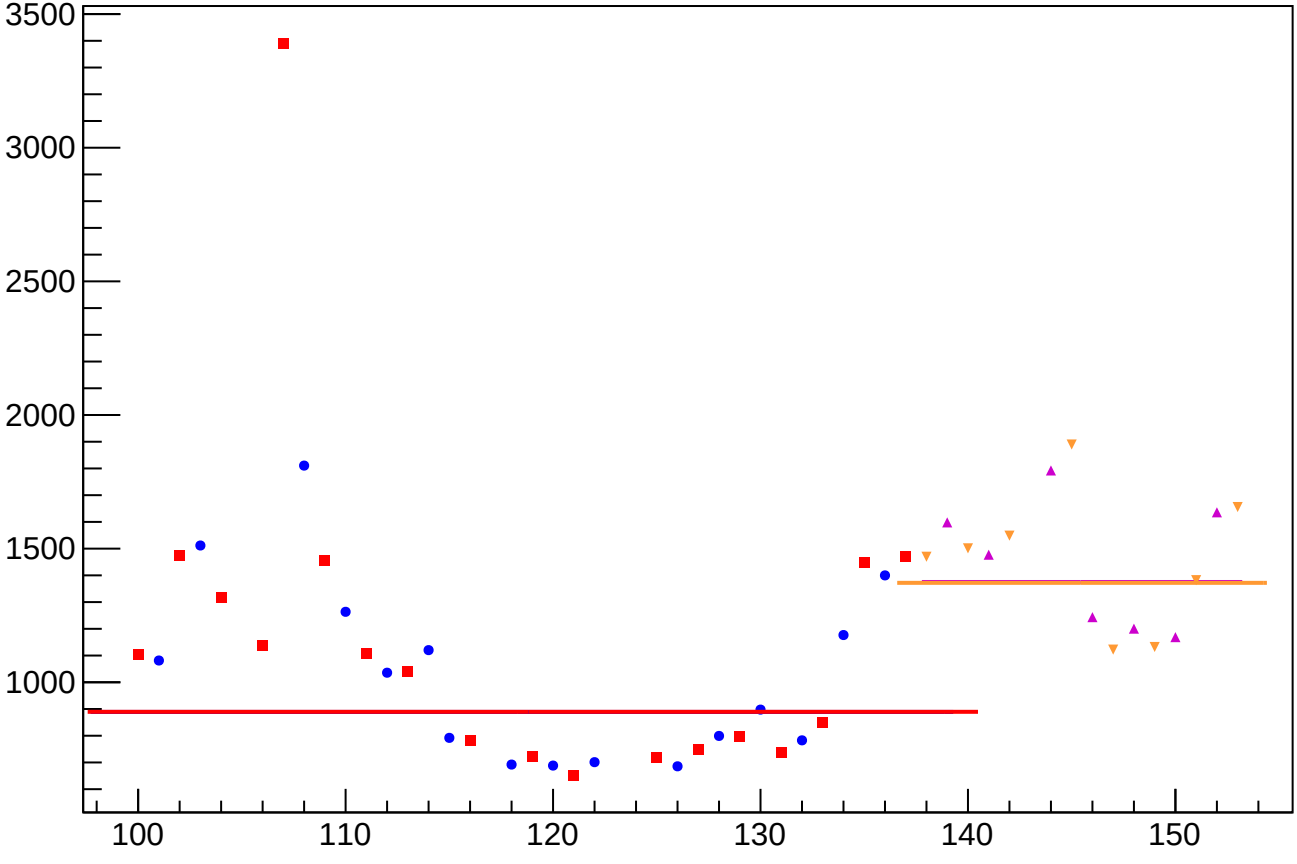
Left In: -495.919+/-564.131 χ^2/NDF:1.4/6

+ sign -256.209+/-294.152 χ^2/NDF: 41.3/23

All: -375.709+/-208.069 χ^2/NDF: 66.3/48

- sign -495.376+/-294.357 χ^2/NDF: 24.7/24

asym_usl_reg_correction_rms vs Slug



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1372.031+/-0.397 χ^2/NDF:355943.3/7

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

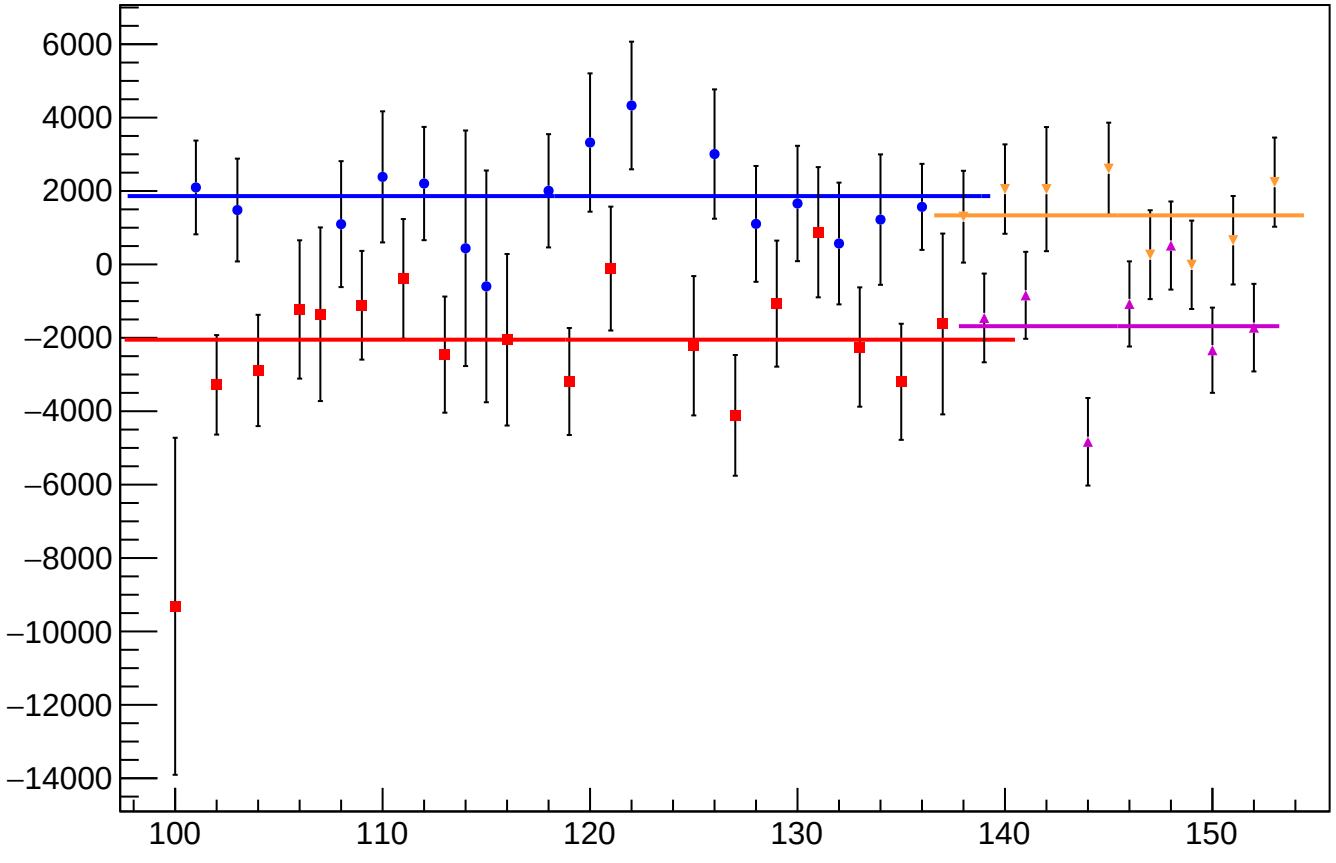
Left In: 1375.192+/-0.399 χ^2/NDF:292048.9/6

+ sign 1021.755+/-0.208 χ^2/NDF: 2563913.1/23

All: 1021.738+/-0.147 χ^2/NDF: 5280676.1/48

- sign 1021.720+/-0.208 χ^2/NDF: 2716763.0/24

cor_asym_usl_mean vs Slug



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1337.041+/-445.631 χ^2/NDF:4.5/7

Right Out: -2050.842+/-409.249 χ^2/NDF: 12.5/17

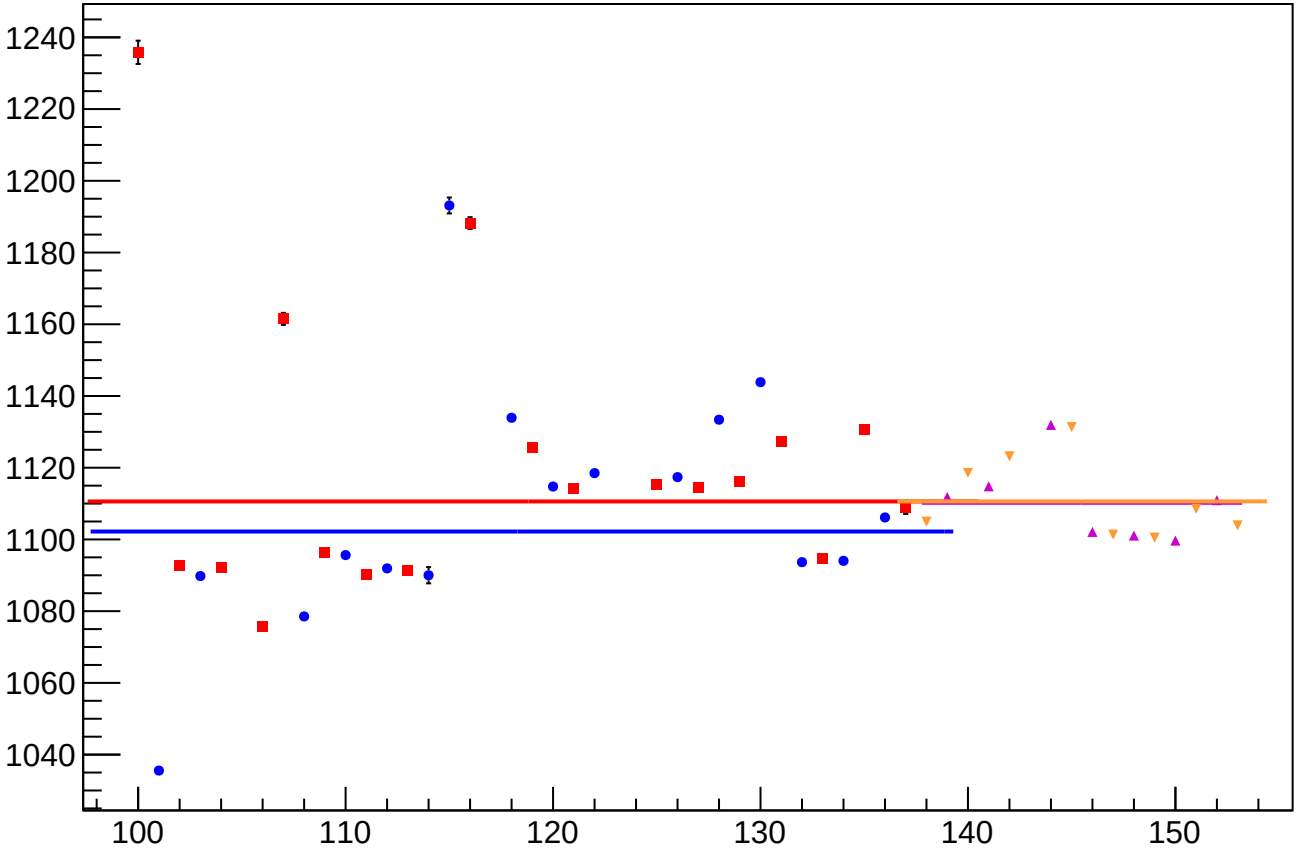
Left In: -1682.850+/-448.101 χ^2/NDF:11.5/6

+ sign 1621.389+/-301.535 χ^2/NDF: 10.5/23

All: -127.270+/-213.447 χ^2/NDF: 102.3/48

- sign -1883.488+/-302.186 χ^2/NDF: 24.4/24

cor_asym_usl_rms vs Slug



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1110.606+/-0.315 χ^2/NDF:1106.2/7

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

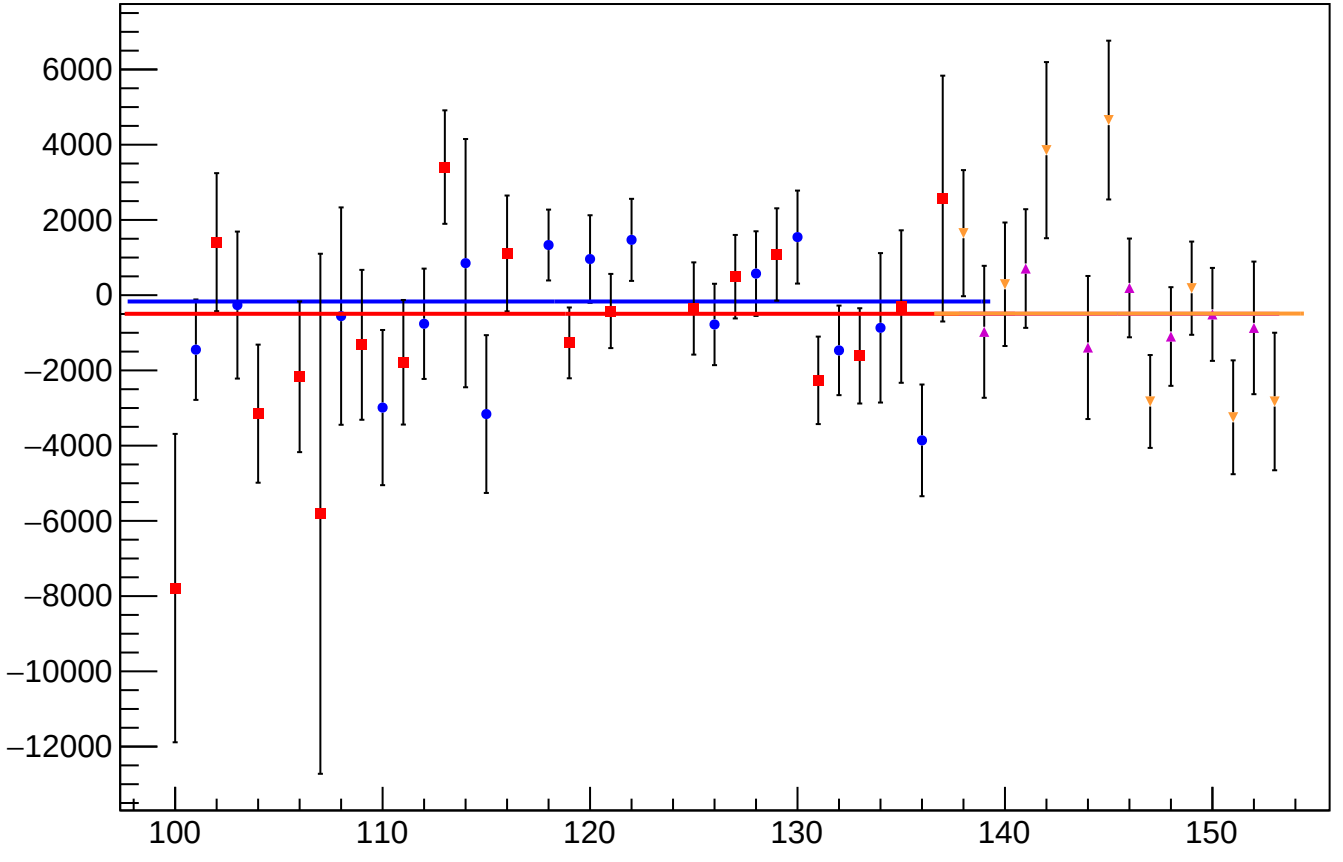
Left In: 1110.216+/-0.317 χ^2/NDF:1076.2/6

+ sign 1106.052+/-0.213 χ^2/NDF: 12840.5/23

All: 1108.231+/-0.151 χ^2/NDF: 21823.0/48

- sign 1110.421+/-0.214 χ^2/NDF: 8773.0/24

asym_usl_cor_correction_mean vs Slug



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -489.160+/-561.025 χ^2/NDF:20.1/7

Right Out: -495.172+/-345.054 χ^2/NDF: 23.3/17

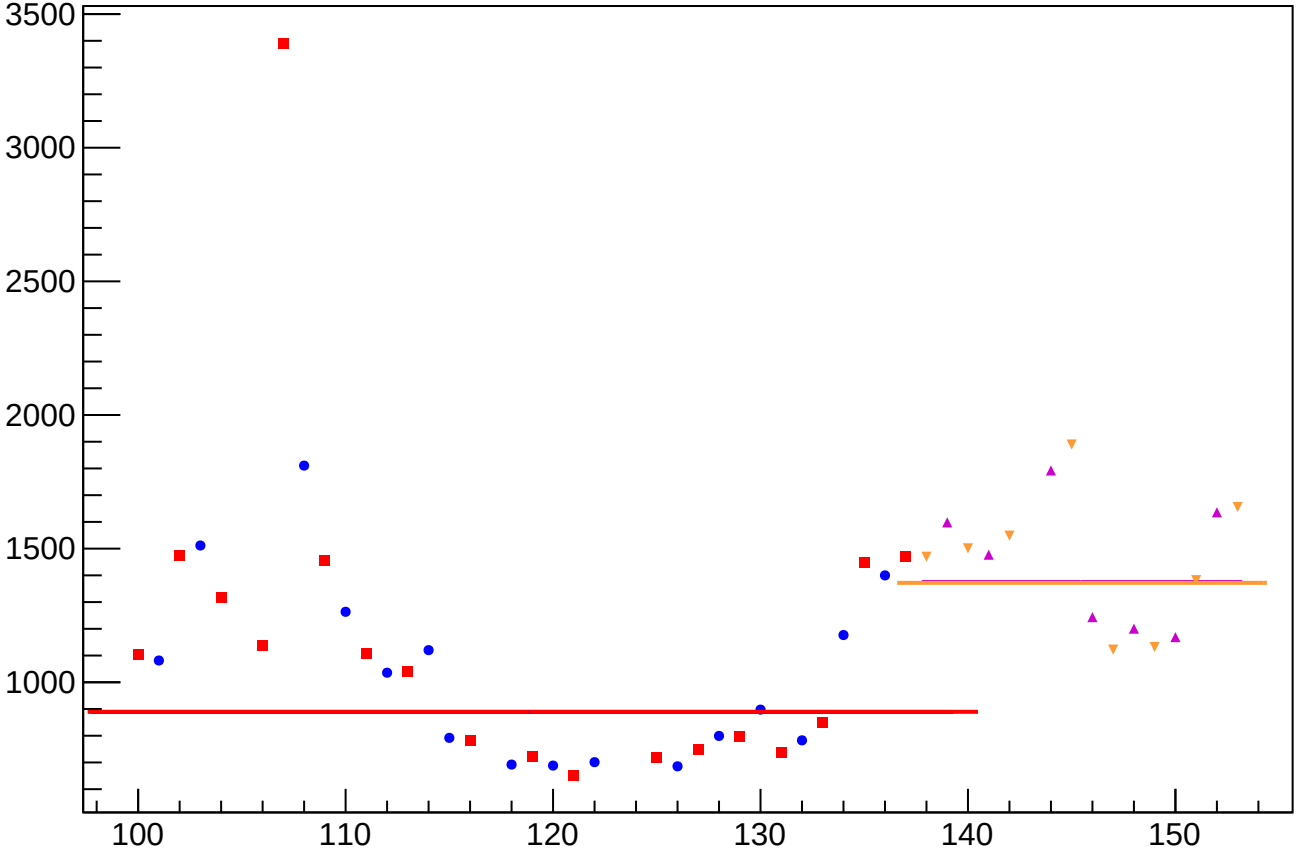
Left In: -495.919+/-564.131 χ^2/NDF:1.4/6

+ sign -256.209+/-294.152 χ^2/NDF: 41.3/23

All: -375.709+/-208.069 χ^2/NDF: 66.3/48

- sign -495.376+/-294.357 χ^2/NDF: 24.7/24

asym_usl_cor_correction_rms vs Slug



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1372.031+/-0.397 χ^2/NDF:355943.3/7

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

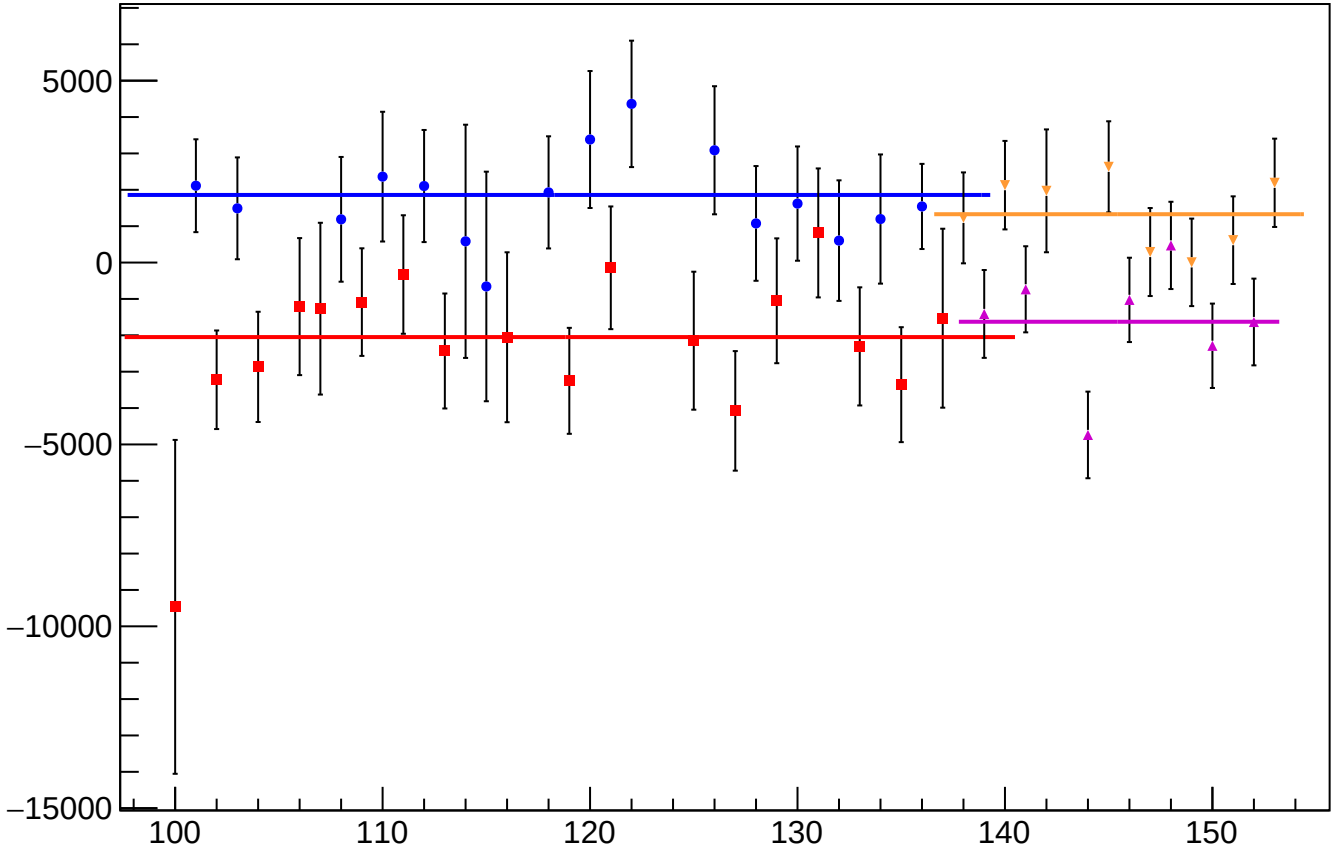
Left In: 1375.192+/-0.399 χ^2/NDF:292048.9/6

+ sign 1021.755+/-0.208 χ^2/NDF: 2563913.1/23

All: 1021.738+/-0.147 χ^2/NDF: 5280676.1/48

- sign 1021.720+/-0.208 χ^2/NDF: 2716763.0/24

overload_cor_asym_usl_mean vs Slug



Right In: 1858.683+/-409.170 χ^2/NDF: 5.4/15

Left Out: 1328.997+/-445.140 χ^2/NDF:4.5/7

Right Out: -2048.674+/-408.894 χ^2/NDF: 12.7/17

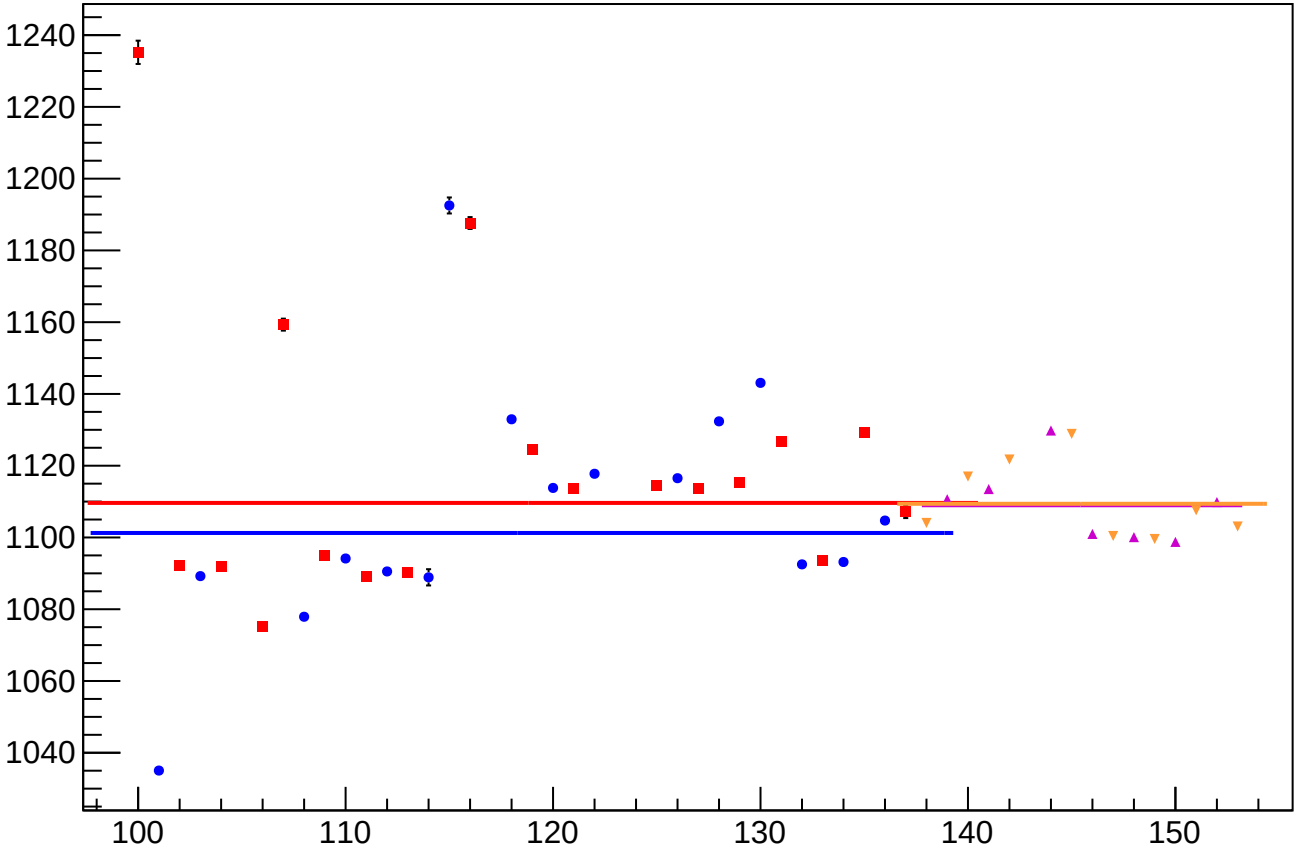
Left In: -1627.419+/-447.599 χ^2/NDF:11.1/6

+ sign 1616.102+/-301.242 χ^2/NDF: 10.7/23

All: -116.742+/-213.239 χ^2/NDF: 101.3/48

- sign -1857.044+/-301.889 χ^2/NDF: 24.3/24

overload_cor_asym_usl_rms vs Slug



Right In: 1101.254+/-0.289 χ^2/NDF: 11308.3/15

Left Out: 1109.386+/-0.315 χ^2/NDF:1006.9/7

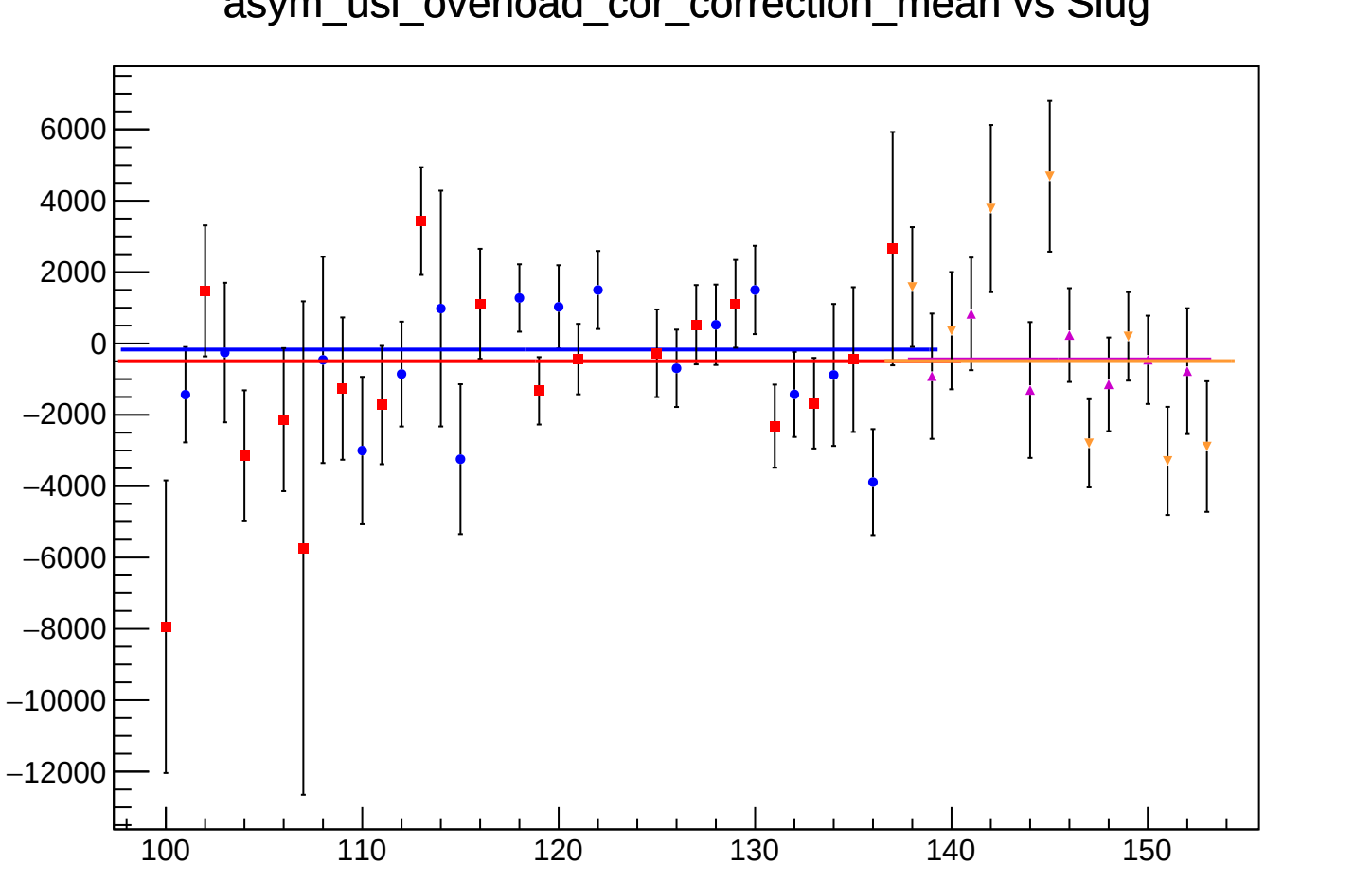
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1108.977+/-0.317 χ^2/NDF:1005.9/6

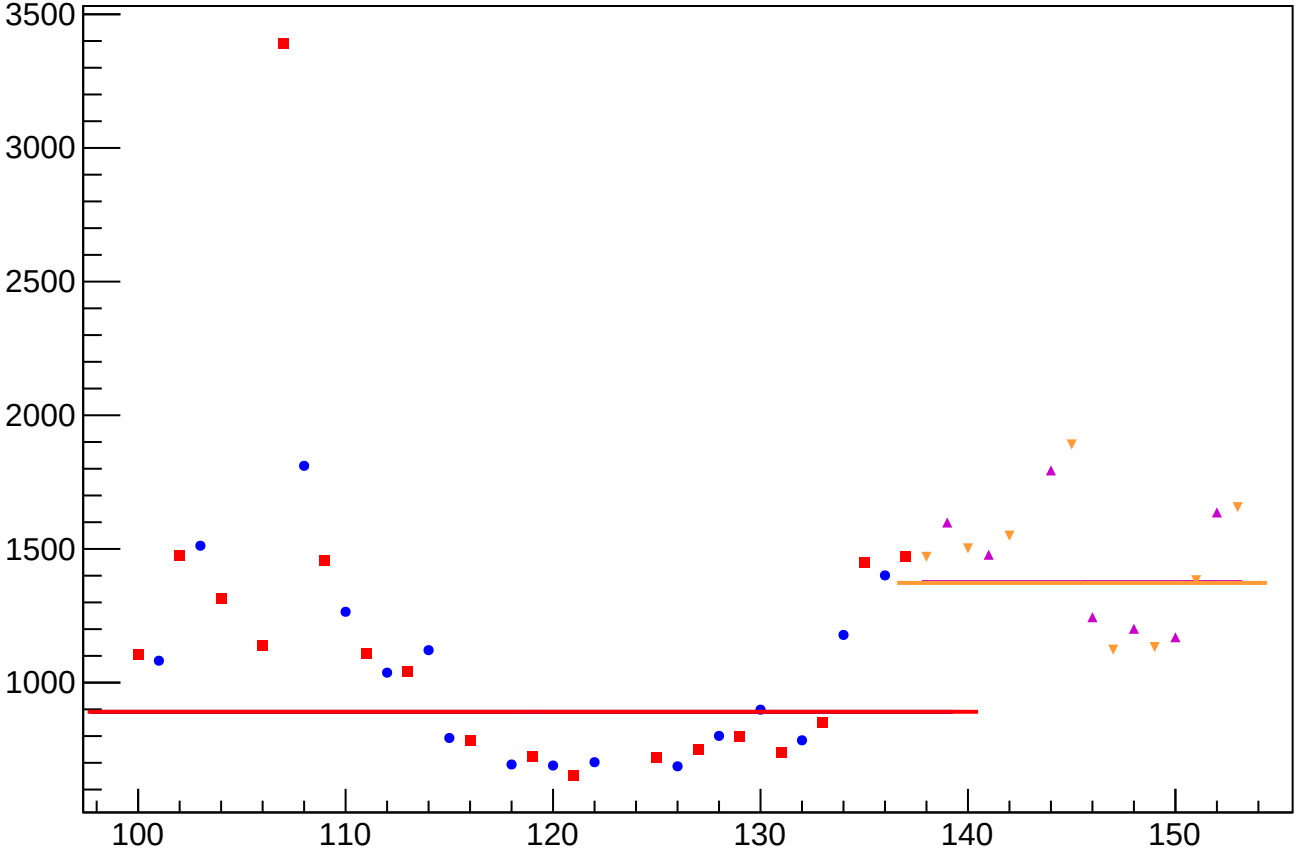
+ sign 1104.979+/-0.213 χ^2/NDF: 12676.9/23

All: 1107.151+/-0.151 χ^2/NDF: 21566.6/48

- sign 1109.332+/-0.213 χ^2/NDF: 8681.2/24


asym_usl_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -494.996+/-561.405 χ²/NDF:20.1/7
Right Out: -497.957+/-345.565 χ²/NDF: 23.9/17
Left In: -447.459+/-564.516 χ²/NDF:1.5/6
+ sign -260.131+/-294.540 χ²/NDF: 41.2/23
All: -372.090+/-208.338 χ²/NDF: 66.9/48
- sign -484.192+/-294.729 χ²/NDF: 25.4/24

asym_usl_overload_cor_correction_rms vs Slug



Right In: 890.495+/-0.245 χ^2/NDF: 1128739.3/15

Left Out: 1372.990+/-0.397 χ^2/NDF:355594.4/7

Right Out: 890.938+/-0.244 χ^2/NDF: 1341804.2/17

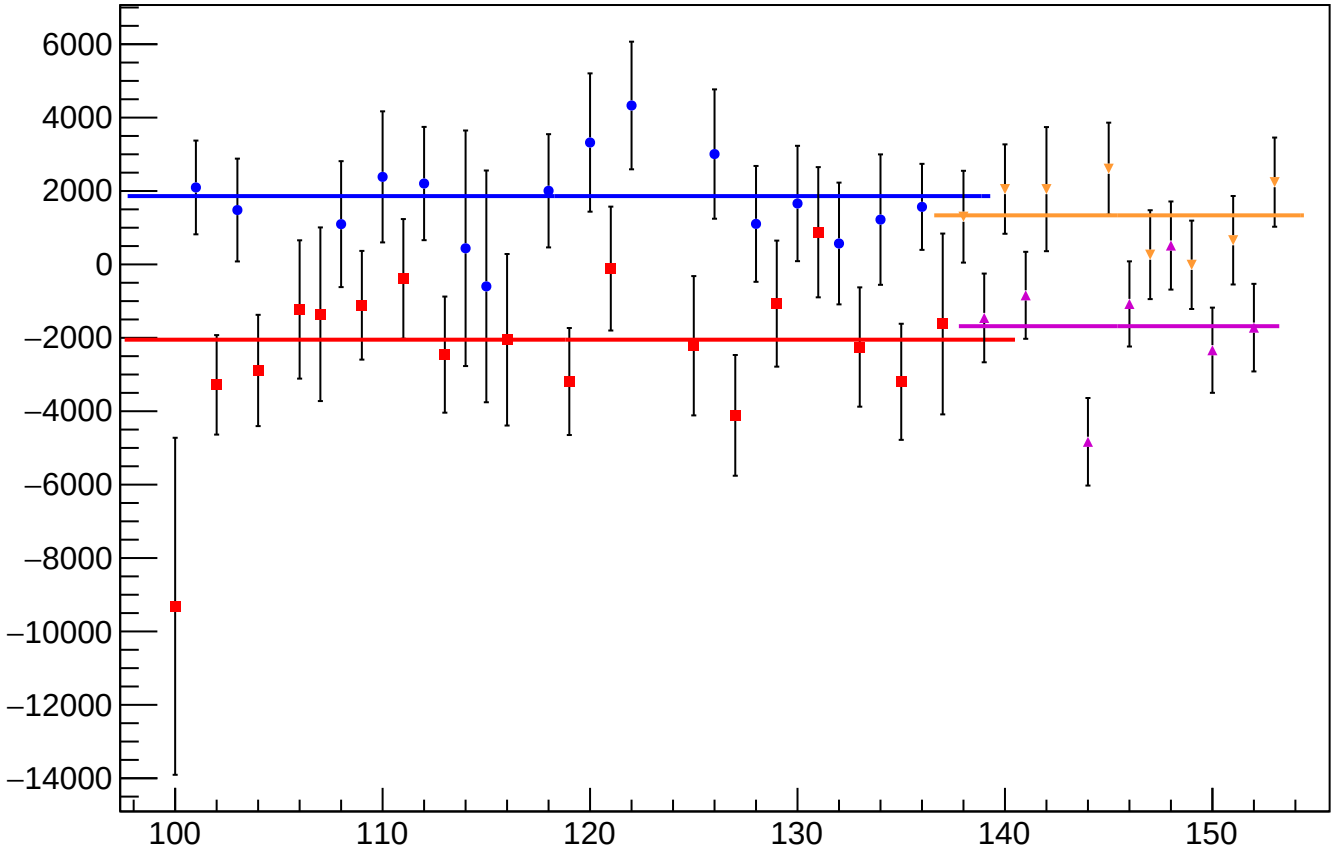
Left In: 1376.155+/-0.399 χ^2/NDF:291795.0/6

+ sign 1023.304+/-0.208 χ^2/NDF: 2554986.0/23

All: 1023.251+/-0.147 χ^2/NDF: 5263398.6/48

- sign 1023.198+/-0.208 χ^2/NDF: 2708412.5/24

eigen_cor_asym_usl_mean vs Slug



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Left Out: 1337.041+/-445.631 χ^2/NDF:4.5/7

Right Out: -2050.842+/-409.249 χ^2/NDF: 12.5/17

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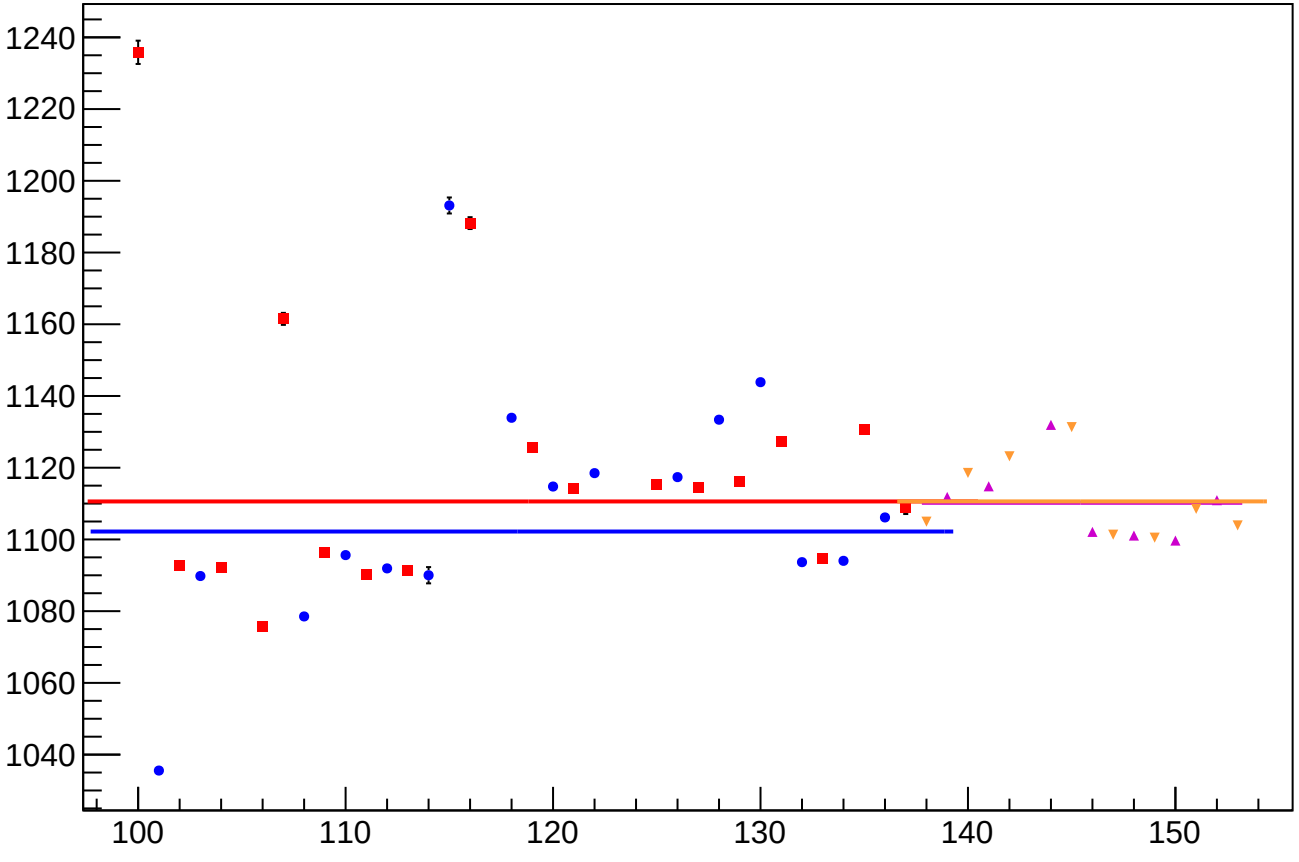
+ sign 1621.389+/-301.535 χ^2/NDF: 10.5/23

All: -127.270+/-213.447 χ^2/NDF: 102.3/48

- sign -1883.488+/-302.186 χ^2/NDF: 24.4/24

eigen_cor_asym_usl_rms vs Slug



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Left Out: 1110.606+/-0.315 χ^2/NDF:1106.2/7

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

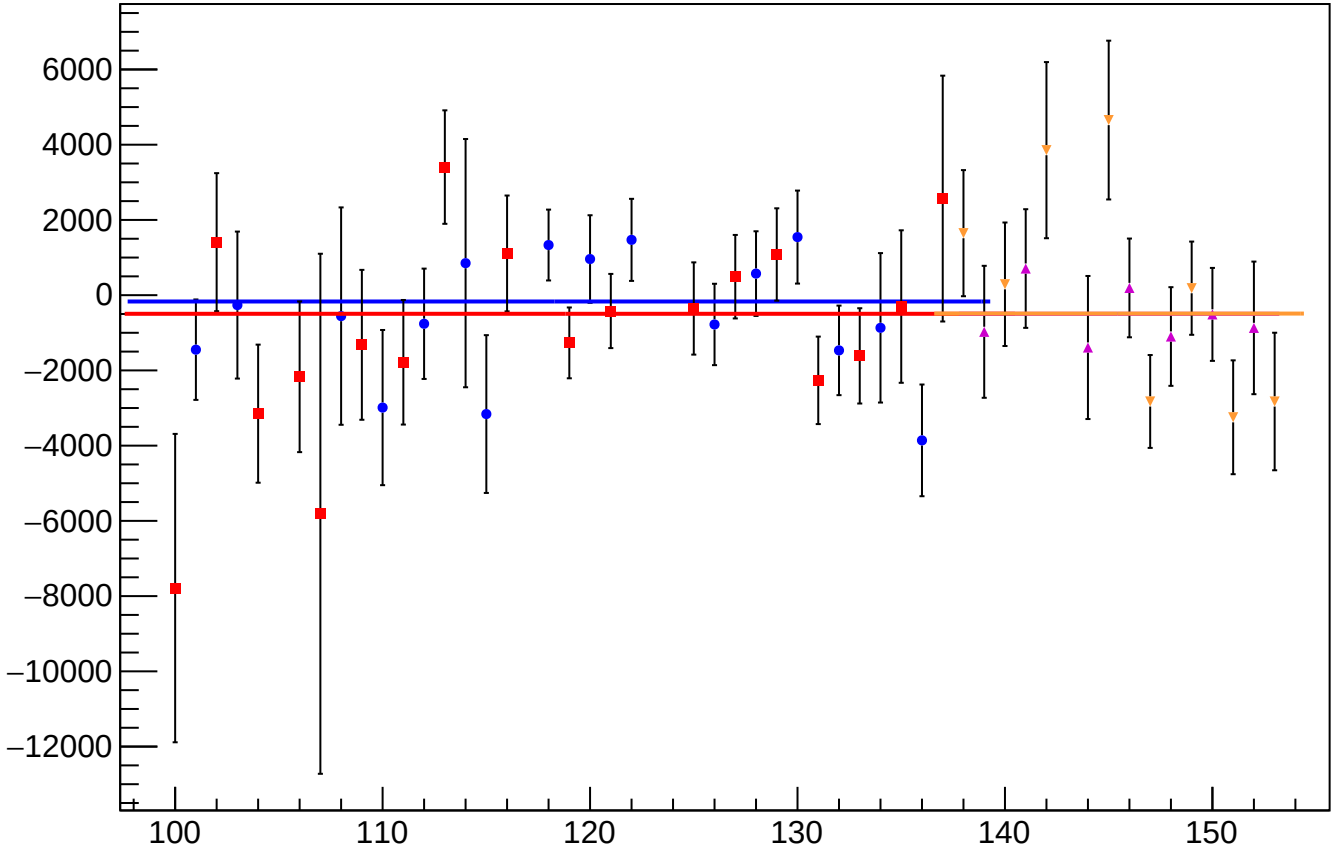
Left In: 1110.216+/-0.317 χ^2/NDF:1076.2/6

+ sign 1106.052+/-0.213 χ^2/NDF: 12840.5/23

All: 1108.231+/-0.151 χ^2/NDF: 21823.0/48

- sign 1110.421+/-0.214 χ^2/NDF: 8773.0/24

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -489.160+/-561.025 χ^2/NDF:20.1/7

Right Out: -495.172+/-345.054 χ^2/NDF: 23.3/17

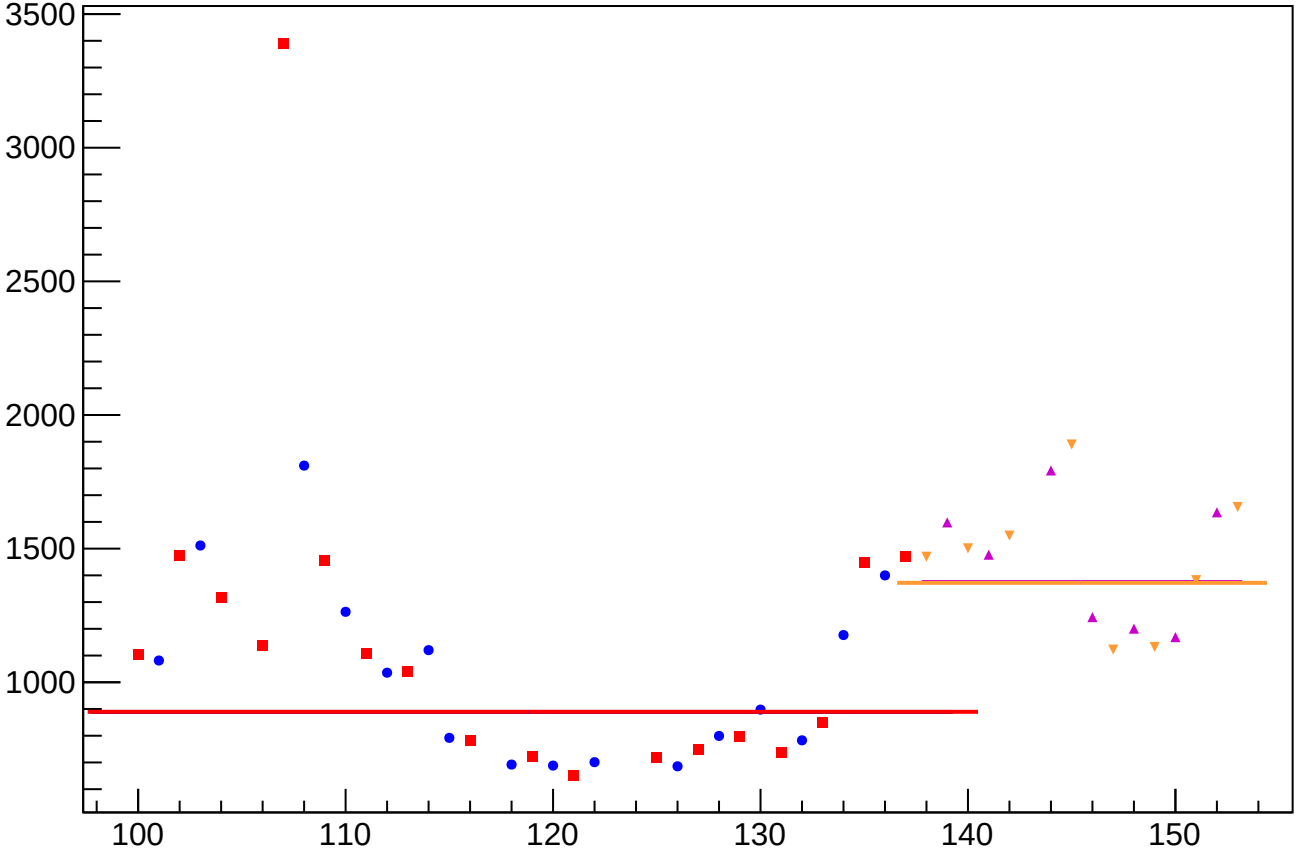
Left In: -495.919+/-564.131 χ^2/NDF:1.4/6

+ sign -256.209+/-294.152 χ^2/NDF: 41.3/23

All: -375.709+/-208.069 χ^2/NDF: 66.3/48

- sign -495.376+/-294.357 χ^2/NDF: 24.7/24

asym_usl_eigen_cor_correction_rms vs Slug



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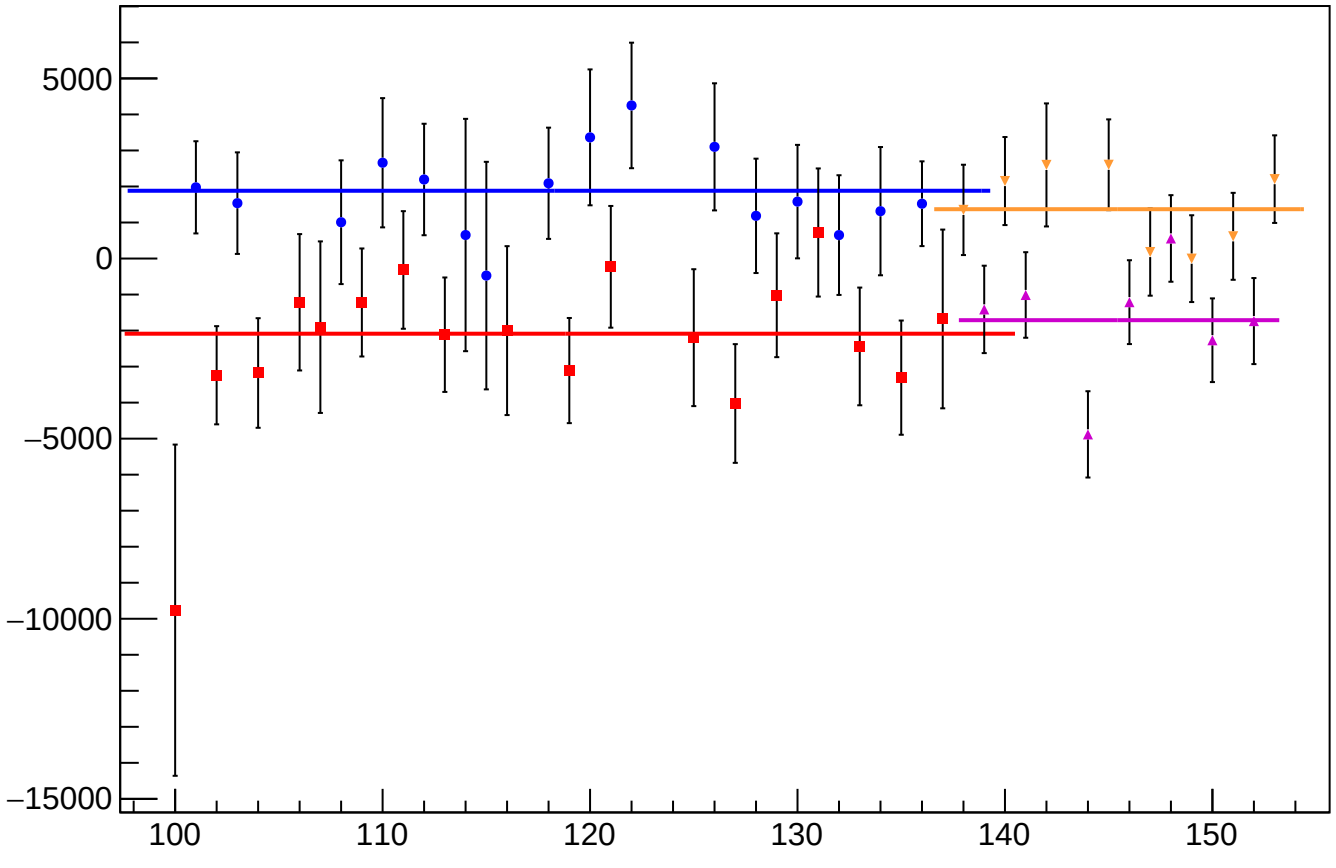
Left In: 1375.192+/-0.399 χ^2/NDF:292048.9/6

+ sign 1021.755+/-0.208 χ^2/NDF: 2563913.1/23

All: 1021.738+/-0.147 χ^2/NDF: 5280676.1/48

- sign 1021.720+/-0.208 χ^2/NDF: 2716763.0/24



Right In: 1881.524+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1369.721+/-446.740 χ^2/NDF:5.0/7

Right Out: -2086.886+/-410.785 χ^2/NDF: 12.4/17

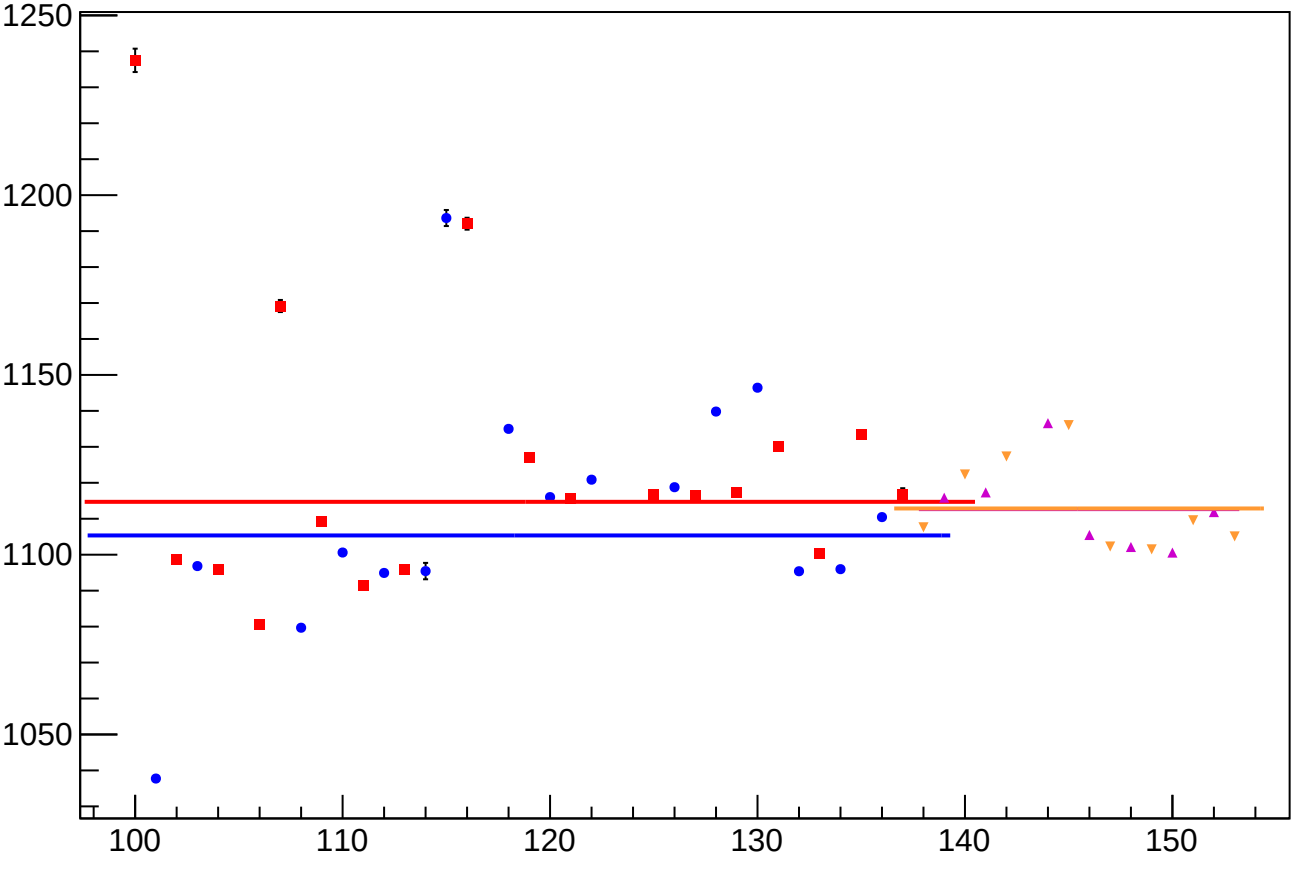
Left In: -1711.252+/-449.114 χ^2/NDF:11.4/6

+ sign 1647.097+/-302.349 χ^2/NDF: 10.9/23

All: -129.830+/-214.063 χ^2/NDF: 104.3/48

- sign -1915.779+/-303.115 χ^2/NDF: 24.2/24

dit_asym_usl_rms vs Slug



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1112.856+/-0.316 χ^2/NDF:1401.7/7

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

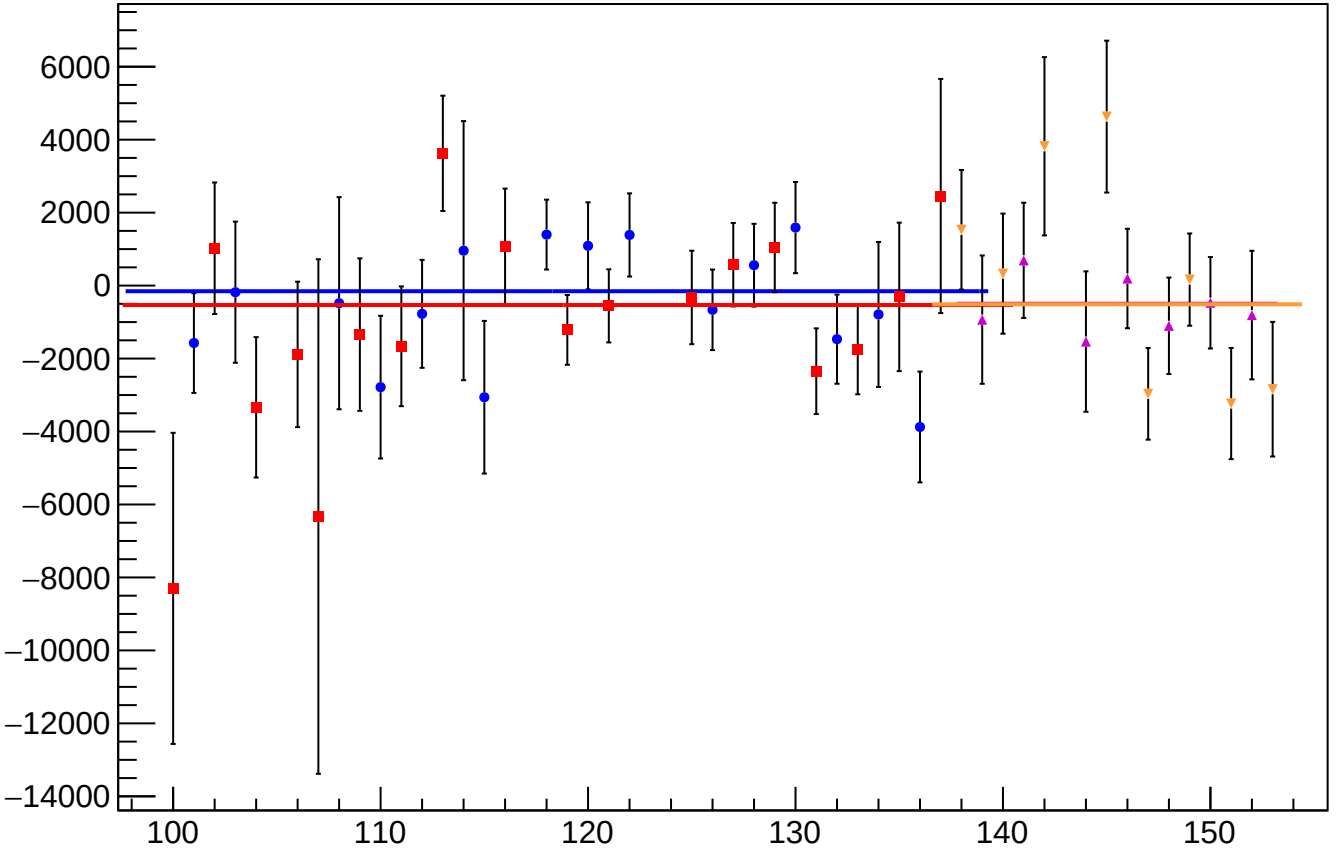
Left In: 1112.677+/-0.318 χ^2/NDF:1288.9/6

+ sign 1108.791+/-0.214 χ^2/NDF: 13038.2/23

All: 1111.280+/-0.151 χ^2/NDF: 21951.2/48

- sign 1113.781+/-0.214 χ^2/NDF: 8641.4/24

asym_usl_dit_correction_mean vs Slug



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -512.404+/-565.894 χ^2/NDF:19.9/7

Right Out: -532.155+/-350.407 χ^2/NDF: 23.2/17

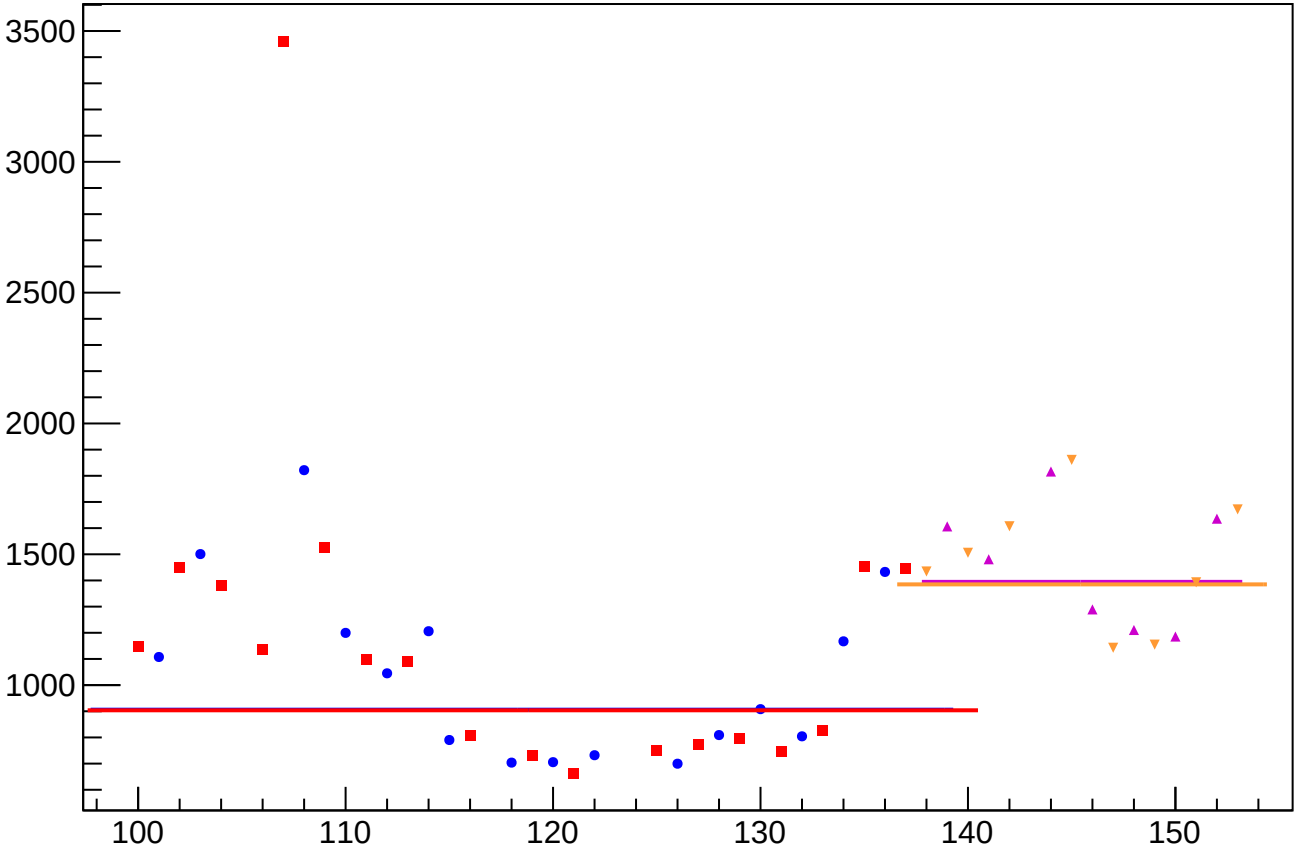
Left In: -497.883+/-571.314 χ^2/NDF:1.4/6

+ sign -253.706+/-298.476 χ^2/NDF: 40.7/23

All: -388.145+/-211.134 χ^2/NDF: 65.7/48

- sign -522.787+/-298.700 χ^2/NDF: 24.6/24

asym_usl_dit_correction_rms vs Slug



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1385.008+/-0.400 χ^2/NDF:322539.2/7

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

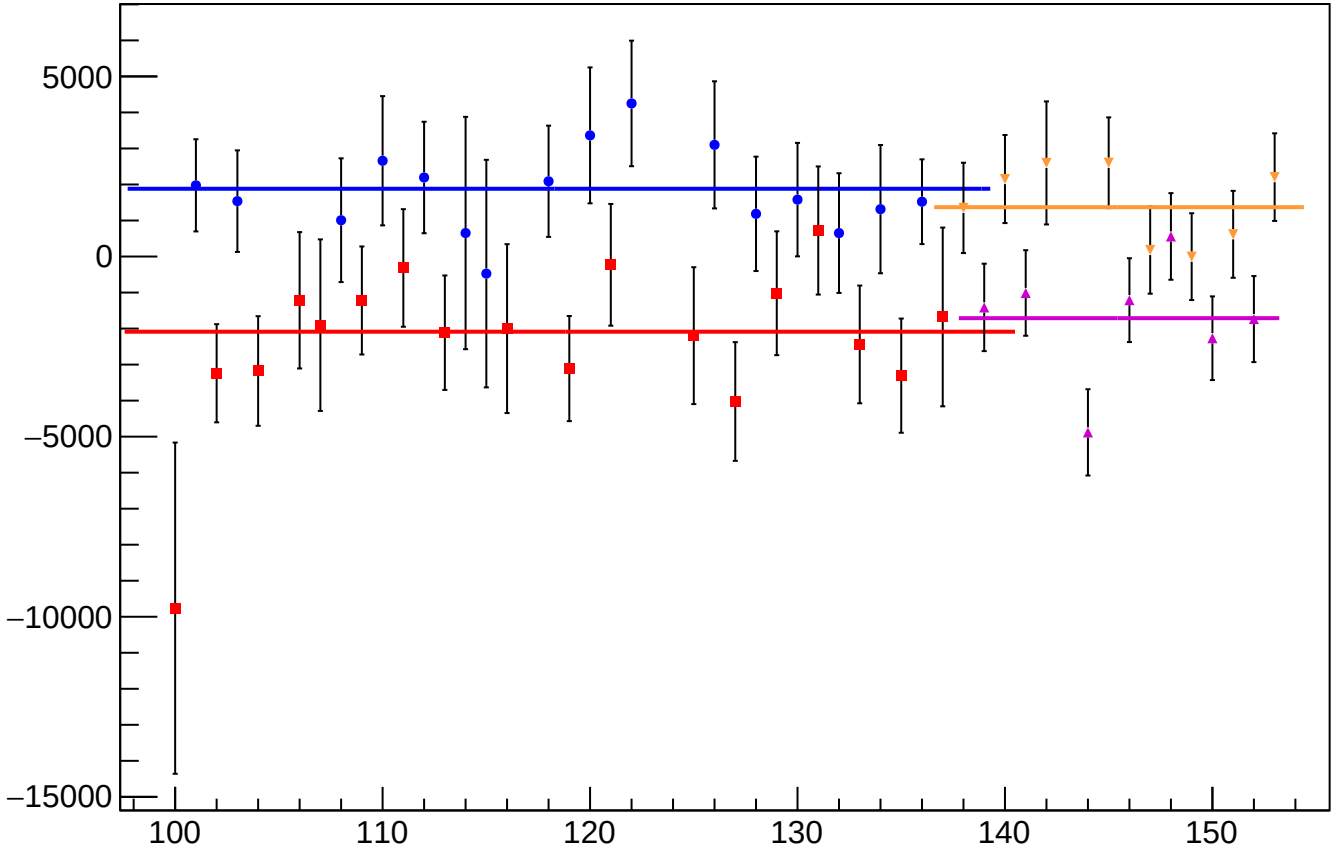
Left In: 1394.564+/-0.404 χ^2/NDF:274904.6/6

+ sign 1039.283+/-0.211 χ^2/NDF: 2436163.9/23

All: 1038.601+/-0.149 χ^2/NDF: 5123661.0/48

- sign 1037.917+/-0.211 χ^2/NDF: 2687476.2/24

eigen_dit_asym_usl_mean vs Slug



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1369.717+/-446.740 χ^2/NDF:5.0/7

Right Out: -2086.884+/-410.785 χ^2/NDF: 12.4/17

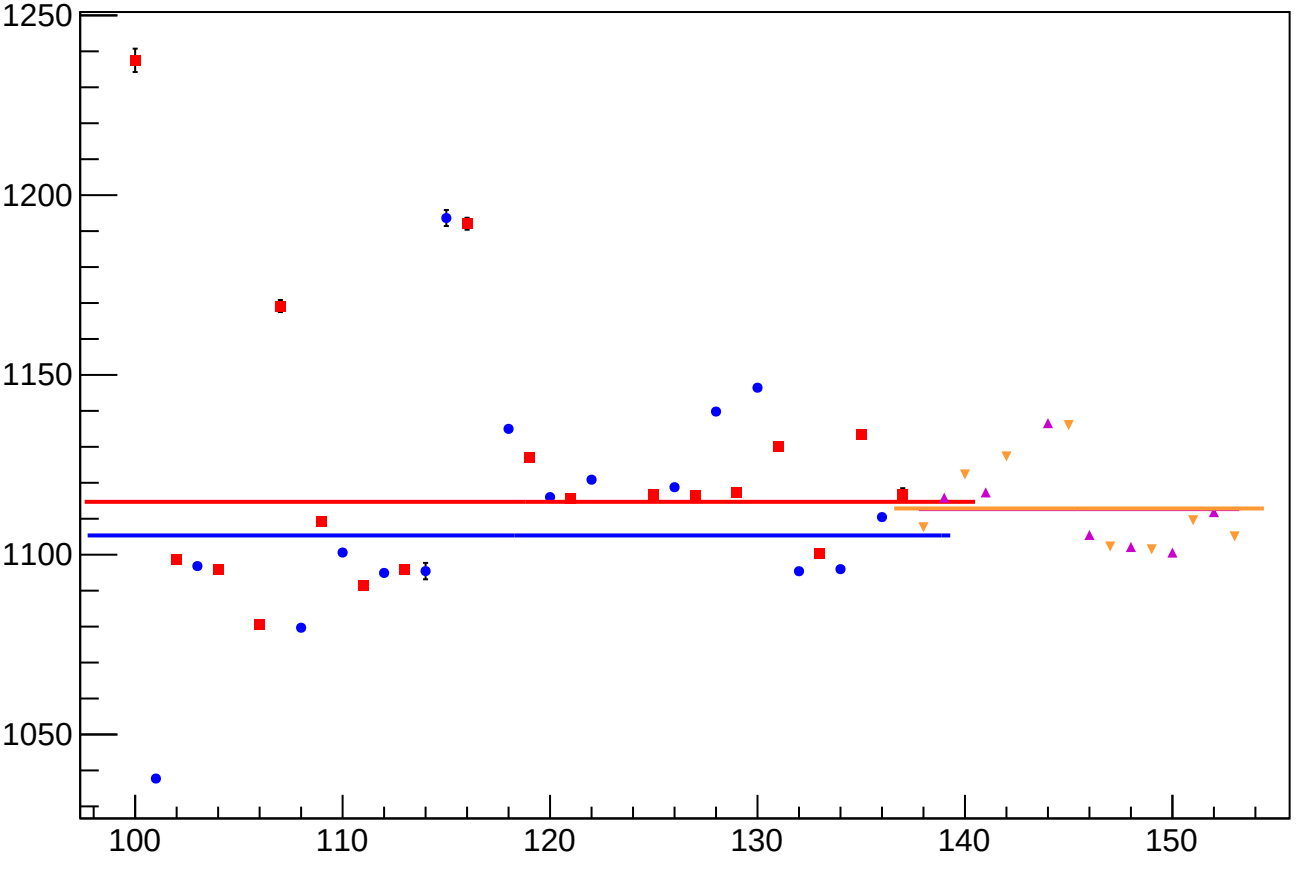
Left In: -1711.254+/-449.114 χ^2/NDF:11.4/6

+ sign 1647.095+/-302.349 χ^2/NDF: 10.9/23

All: -129.831+/-214.063 χ^2/NDF: 104.3/48

- sign -1915.779+/-303.115 χ^2/NDF: 24.2/24

eigen_dit_asym_usl_rms vs Slug



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1112.856+/-0.316 χ^2/NDF:1401.7/7

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

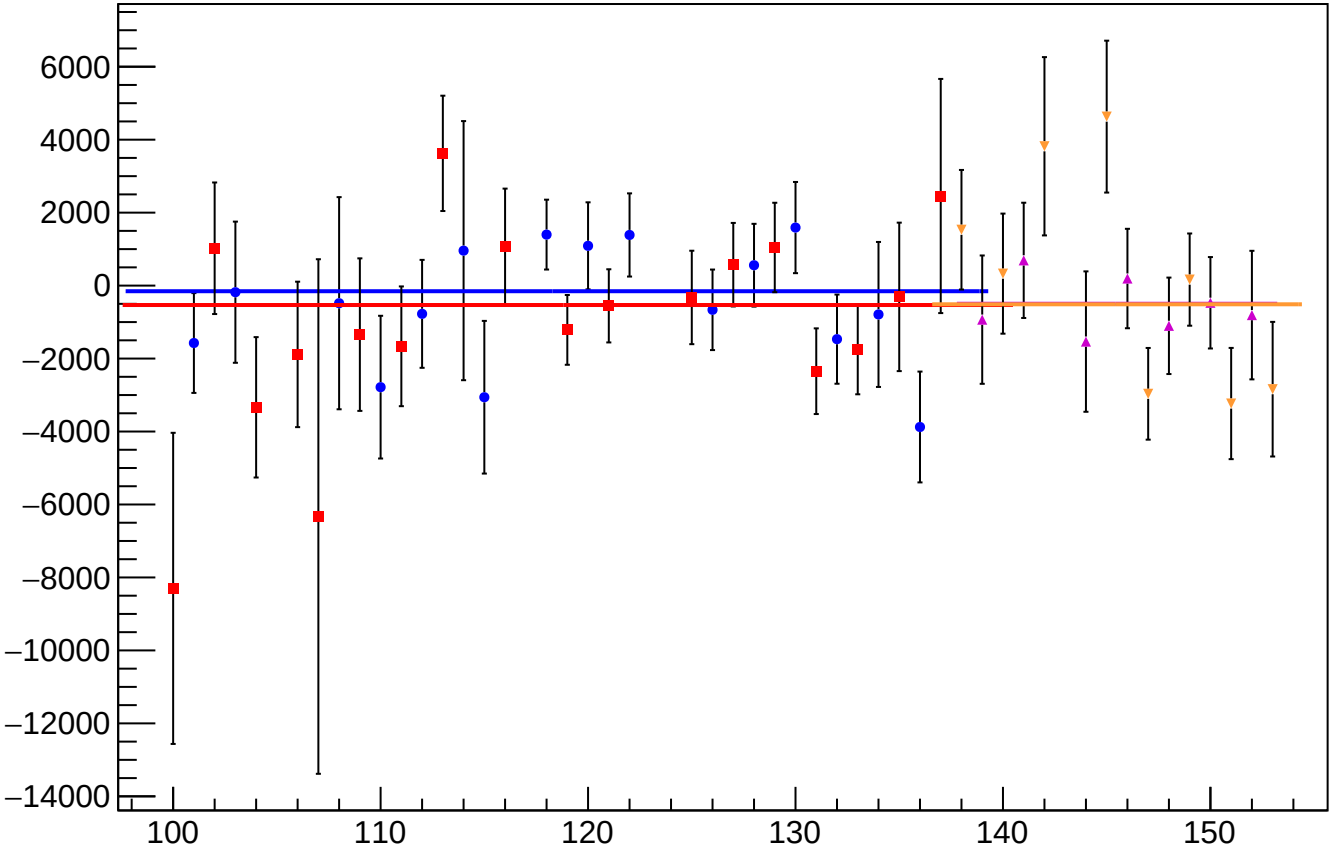
Left In: 1112.677+/-0.318 χ^2/NDF:1288.9/6

+ sign 1108.791+/-0.214 χ^2/NDF: 13038.2/23

All: 1111.280+/-0.151 χ^2/NDF: 21951.2/48

- sign 1113.781+/-0.214 χ^2/NDF: 8641.3/24

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -512.408+/-565.895 χ^2/NDF:19.9/7

Right Out: -532.154+/-350.406 χ^2/NDF: 23.2/17

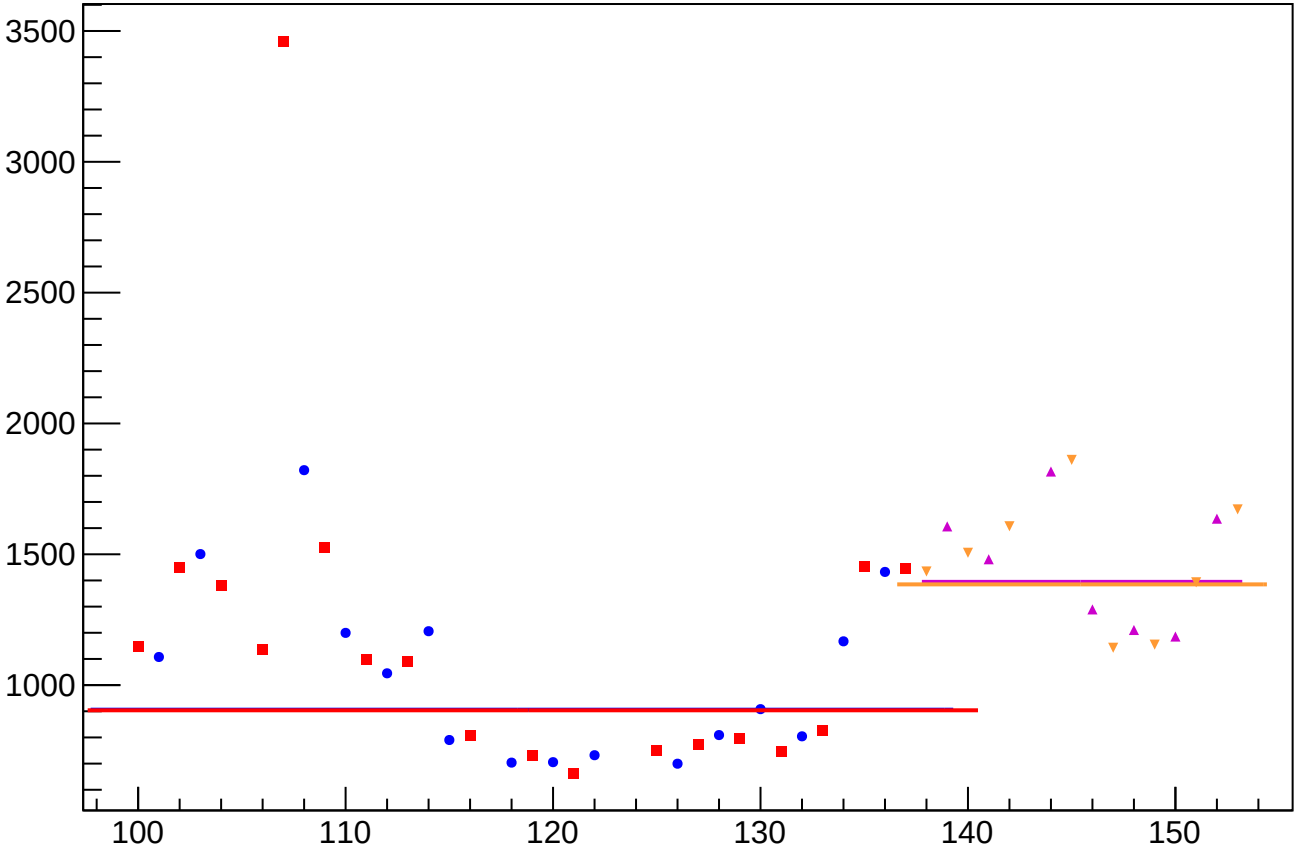
Left In: -497.885+/-571.315 χ^2/NDF:1.4/6

+ sign -253.705+/-298.476 χ^2/NDF: 40.7/23

All: -388.145+/-211.133 χ^2/NDF: 65.7/48

- sign -522.787+/-298.700 χ^2/NDF: 24.6/24

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1385.010+/-0.400 χ^2/NDF:322537.6/7

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

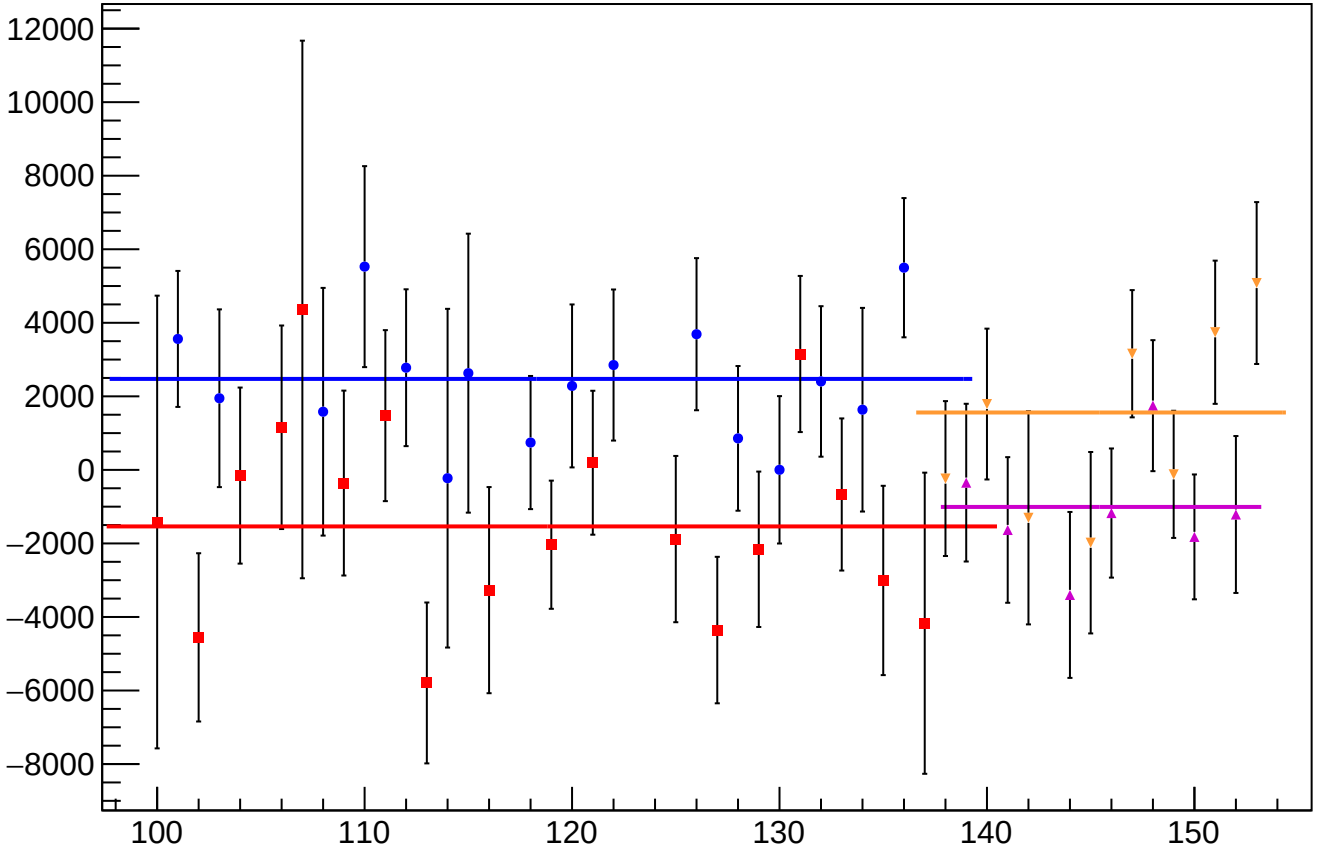
Left In: 1394.566+/-0.404 χ^2/NDF:274902.4/6

+ sign 1039.282+/-0.211 χ^2/NDF: 2436184.3/23

All: 1038.599+/-0.149 χ^2/NDF: 5123700.0/48

- sign 1037.915+/-0.211 χ^2/NDF: 2687494.7/24

asym_usl_mean vs Slug



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 1560.744+/-728.338 χ^2/NDF:9.4/7

Right Out: -1537.435+/-563.556 χ^2/NDF: 18.5/17

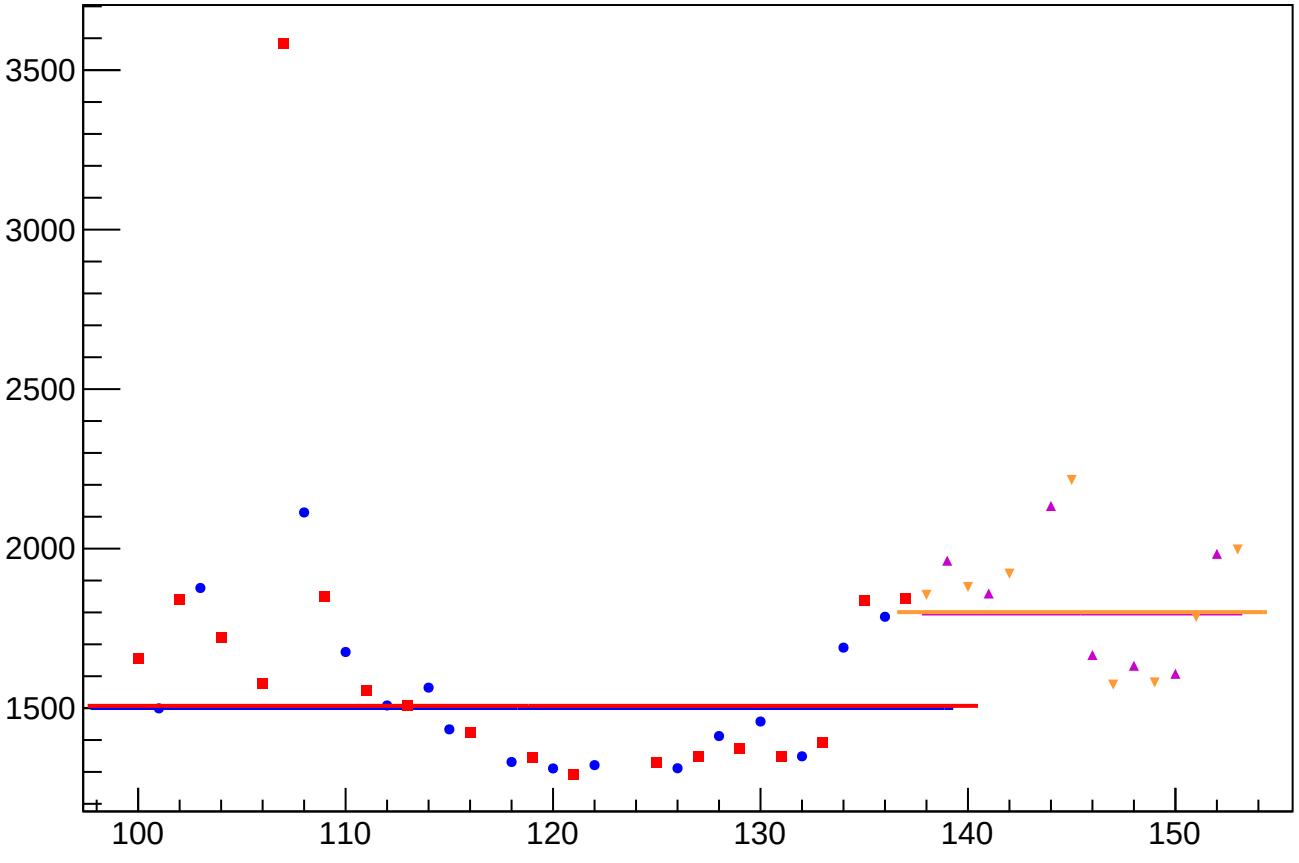
Left In: -1007.415+/-730.329 χ^2/NDF:4.0/6

+ sign 2132.612+/-445.335 χ^2/NDF: 18.6/23

All: 399.732+/-315.193 χ^2/NDF: 71.7/48

- sign -1339.625+/-446.167 χ^2/NDF: 22.8/24

asym_usl_rms vs Slug



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1800.968+/-0.515 χ^2/NDF:147222.6/7

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

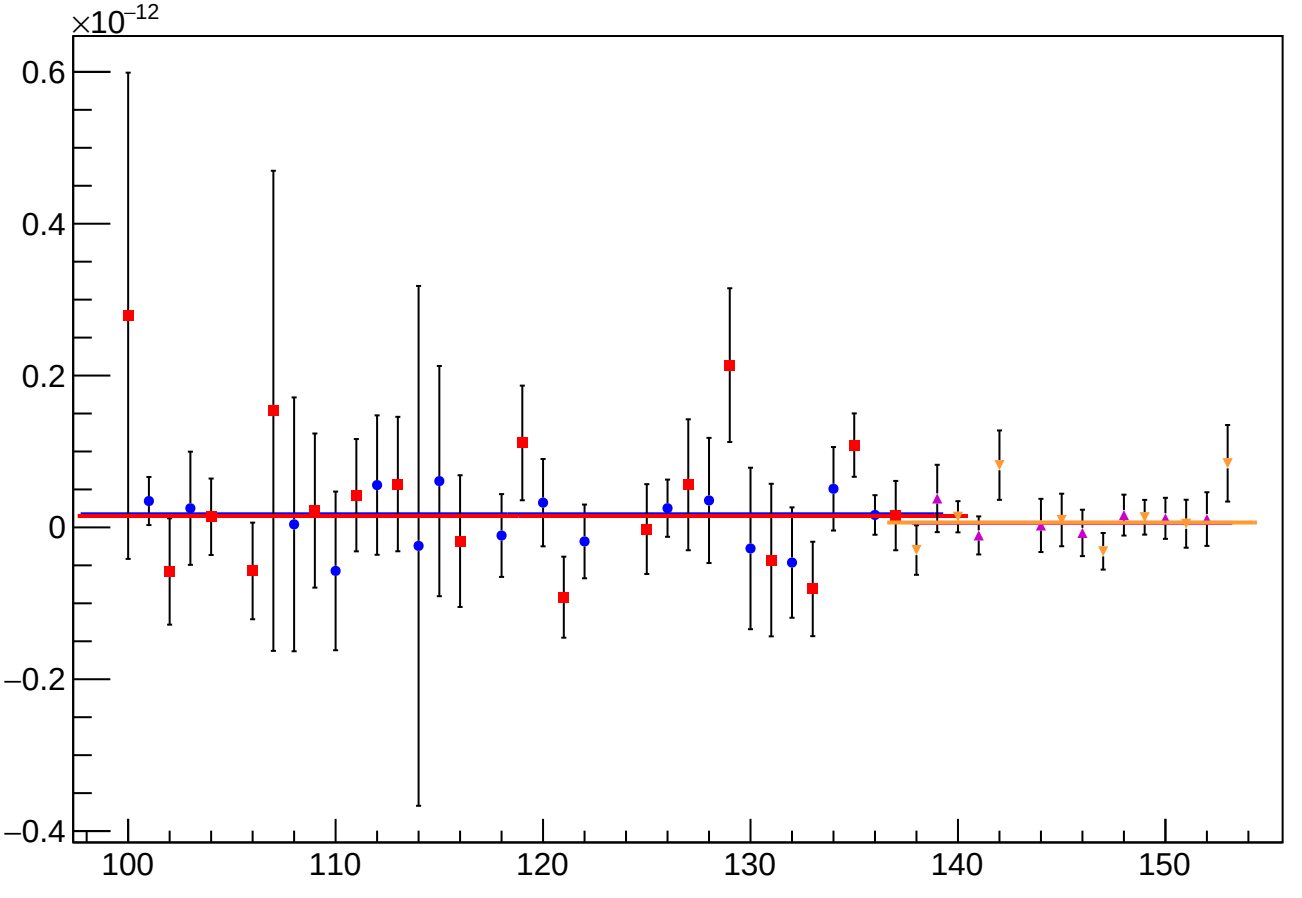
Left In: 1796.663+/-0.516 χ^2/NDF:126601.1/6

+ sign 1612.755+/-0.315 χ^2/NDF: 619313.0/23

All: 1613.959+/-0.223 χ^2/NDF: 1344234.5/48

- sign 1615.167+/-0.315 χ^2/NDF: 724892.3/24

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/7

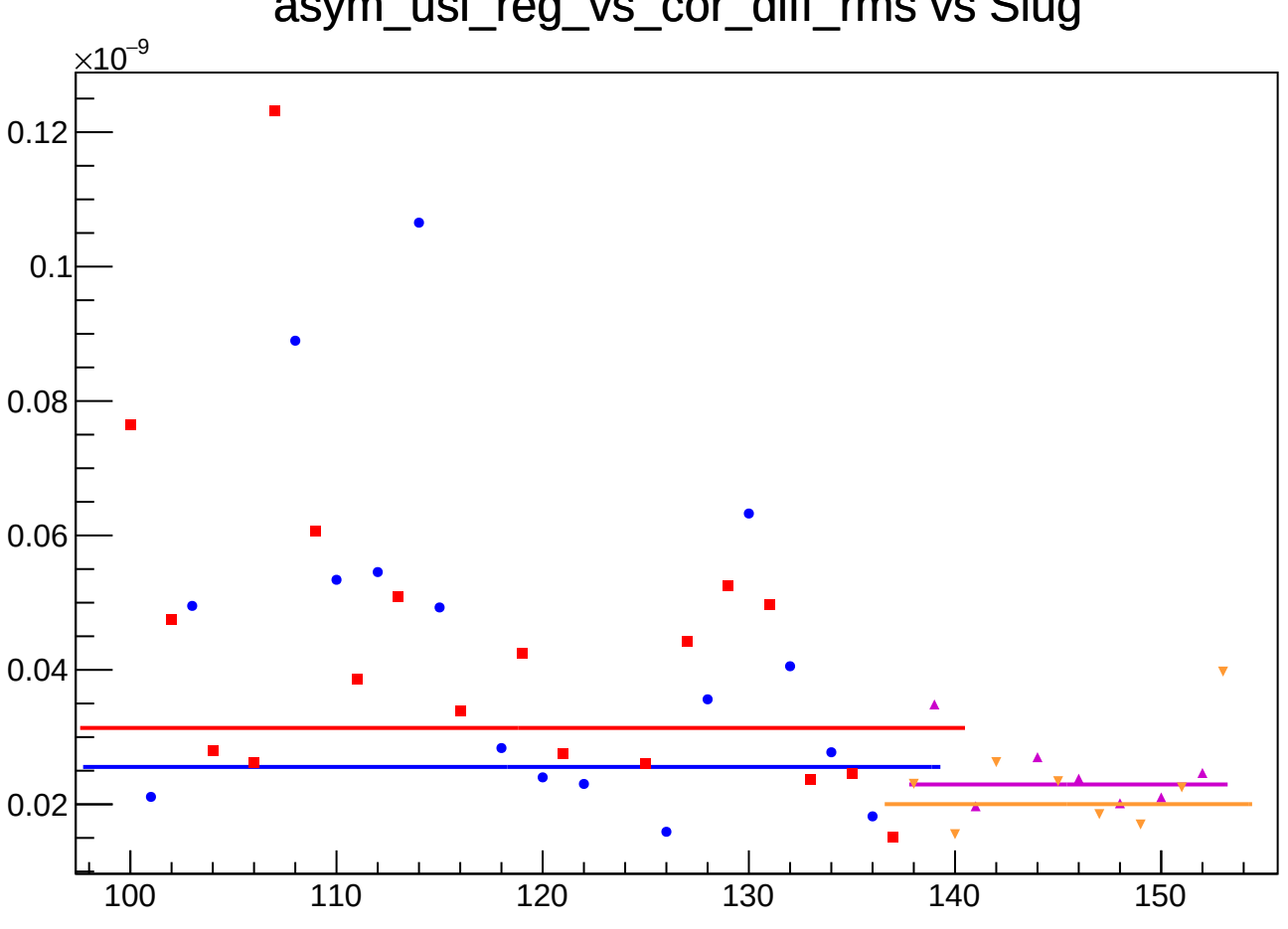
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 12.9/23

All: 0.000+/-0.000 χ^2/NDF: 35.8/48

- sign 0.000+/-0.000 χ^2/NDF: 22.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:529764.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

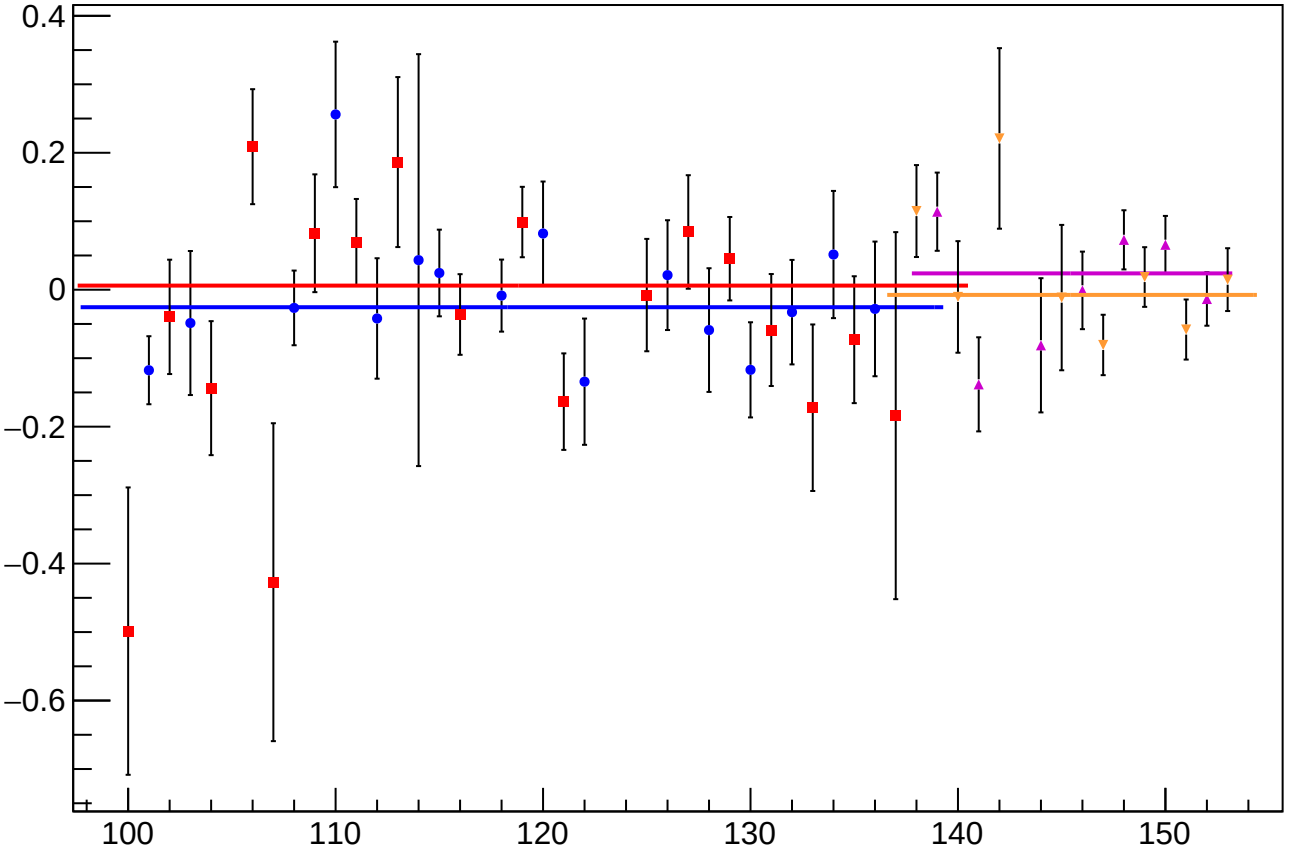
Left In: 0.000+/-0.000 χ^2/NDF:242359.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2451630.6/23

All: 0.000+/-0.000 χ^2/NDF: 4468168.8/48

- sign 0.000+/-0.000 χ^2/NDF: 1831347.2/24

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.008+/-0.020 χ^2/NDF:11.0/7

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

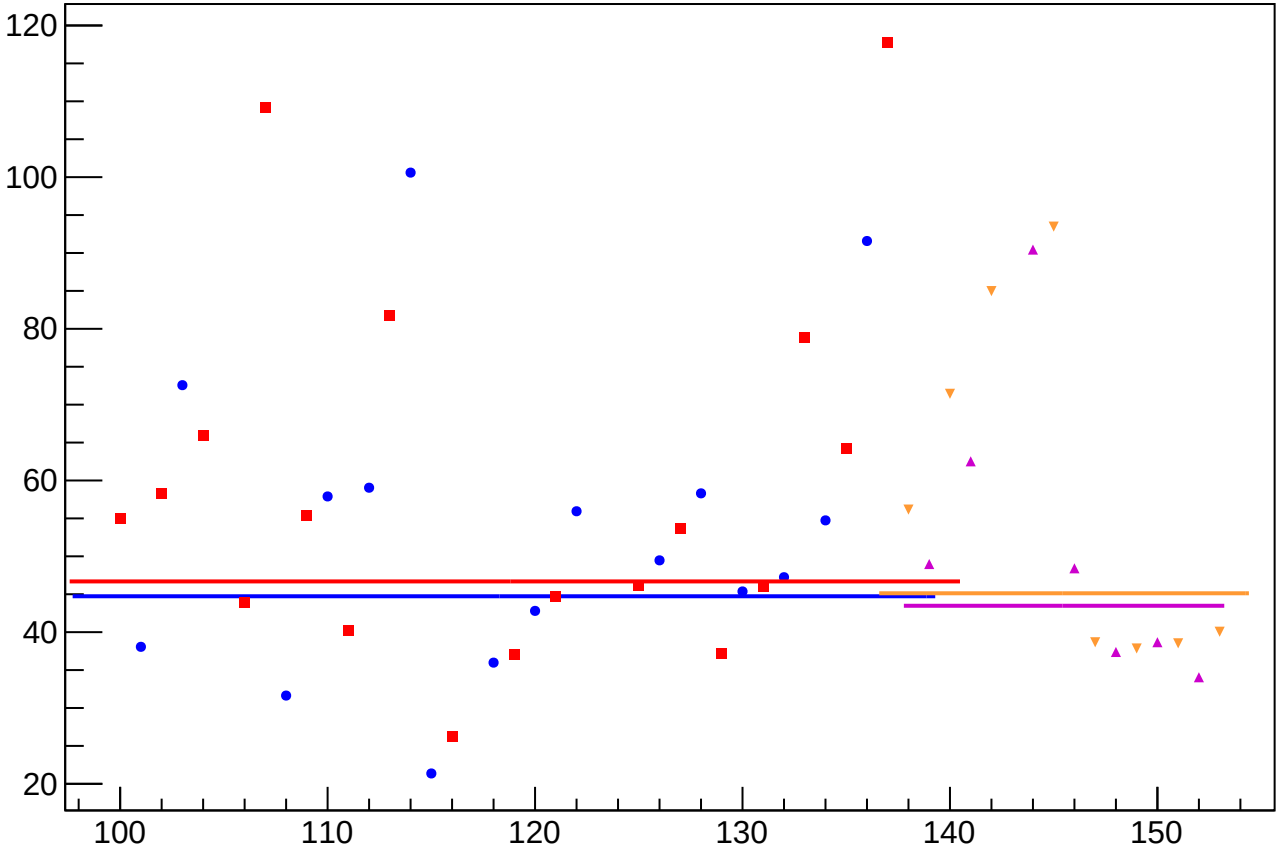
Left In: 0.024+/-0.019 χ^2/NDF:12.6/6

+ sign -0.017+/-0.014 χ^2/NDF: 29.1/23

All: -0.001+/-0.010 χ^2/NDF: 81.4/48

- sign 0.015+/-0.014 χ^2/NDF: 49.5/24

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 45.127+/-0.014 χ^2/NDF:1028529.5/7

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

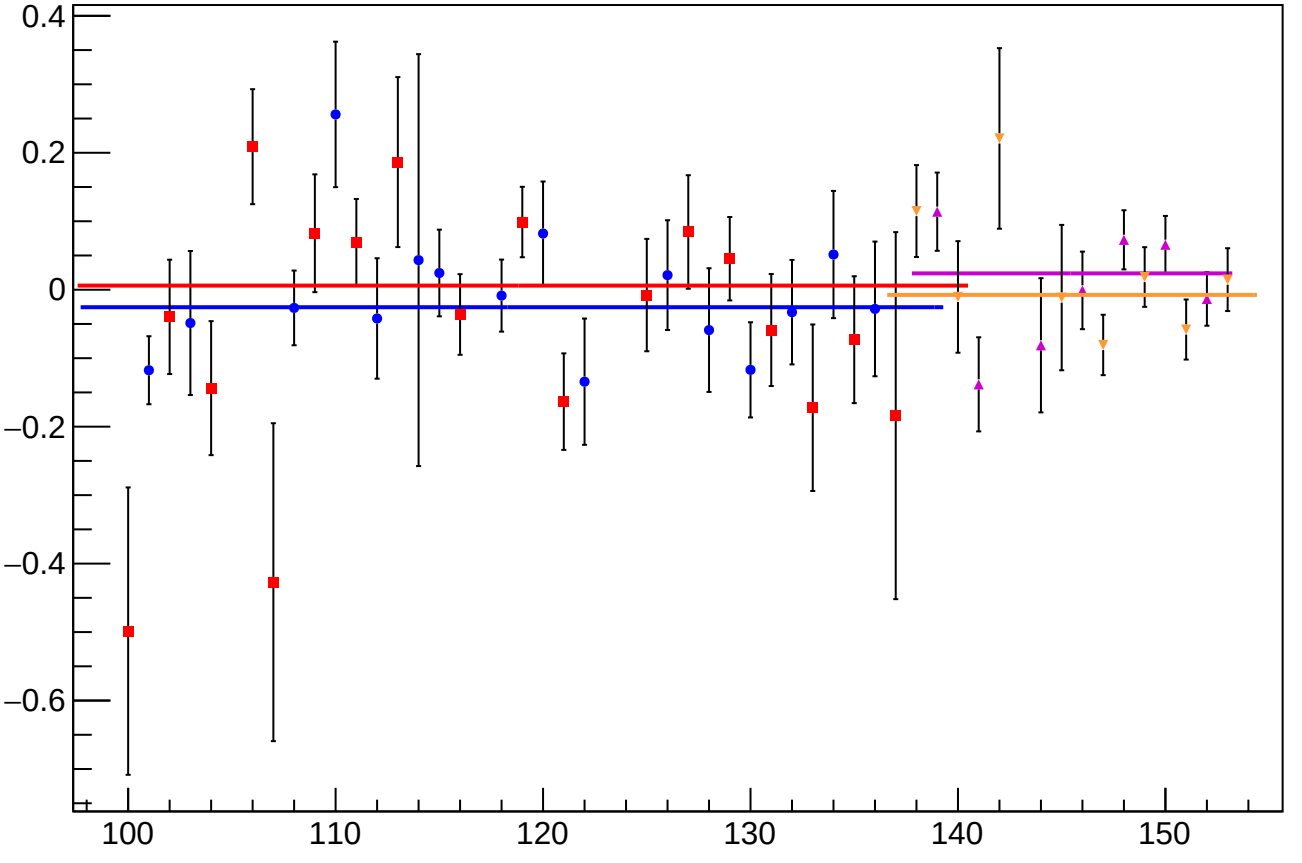
Left In: 43.480+/-0.014 χ^2/NDF:829176.3/6

+ sign 44.919+/-0.010 χ^2/NDF: 2363488.0/23

All: 44.997+/-0.007 χ^2/NDF: 4415834.4/48

- sign 45.076+/-0.010 χ^2/NDF: 2052215.0/24

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.008+/-0.020 χ^2/NDF:11.0/7

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

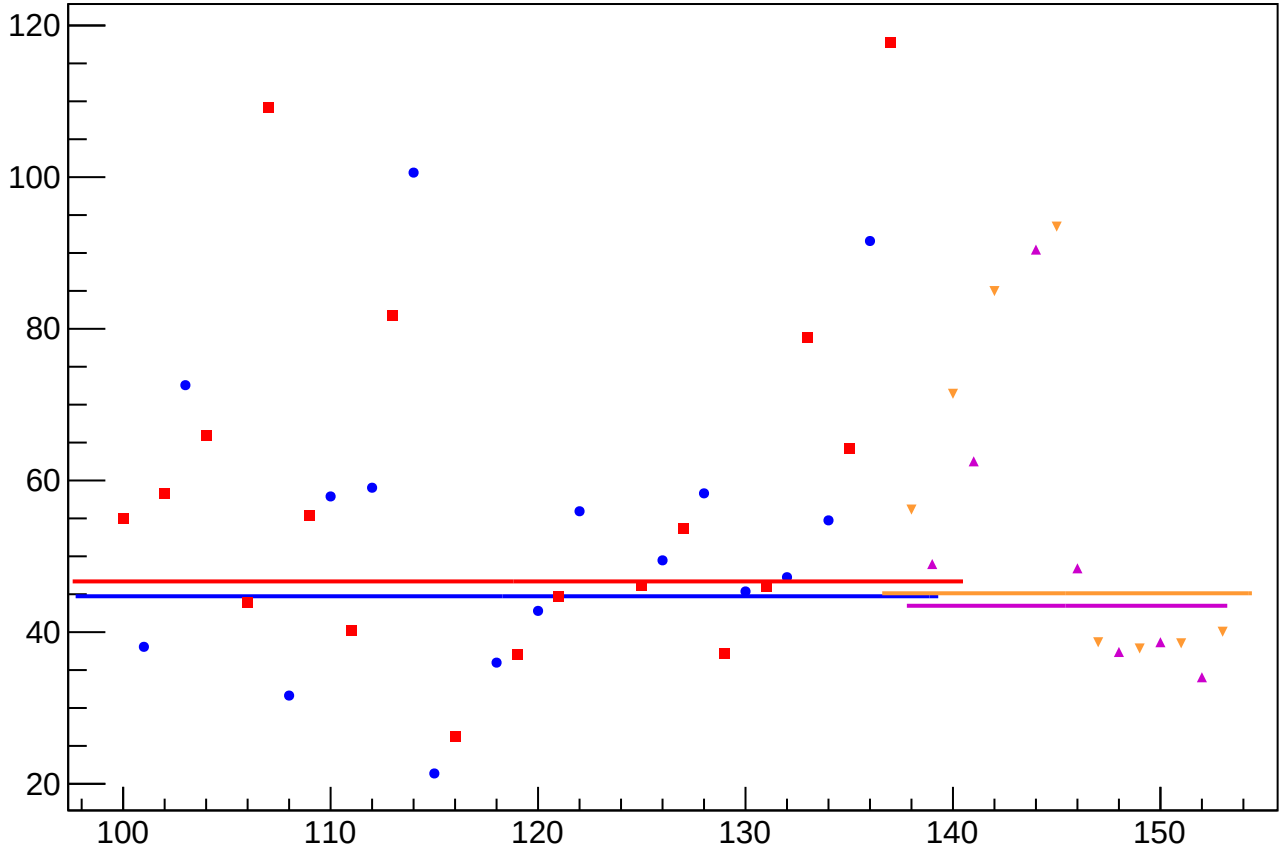
Left In: 0.024+/-0.019 χ^2/NDF:12.6/6

+ sign -0.017+/-0.014 χ^2/NDF: 29.1/23

All: -0.001+/-0.010 χ^2/NDF: 81.4/48

- sign 0.015+/-0.014 χ^2/NDF: 49.5/24

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 45.127+/-0.014 χ^2/NDF:1028529.5/7

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

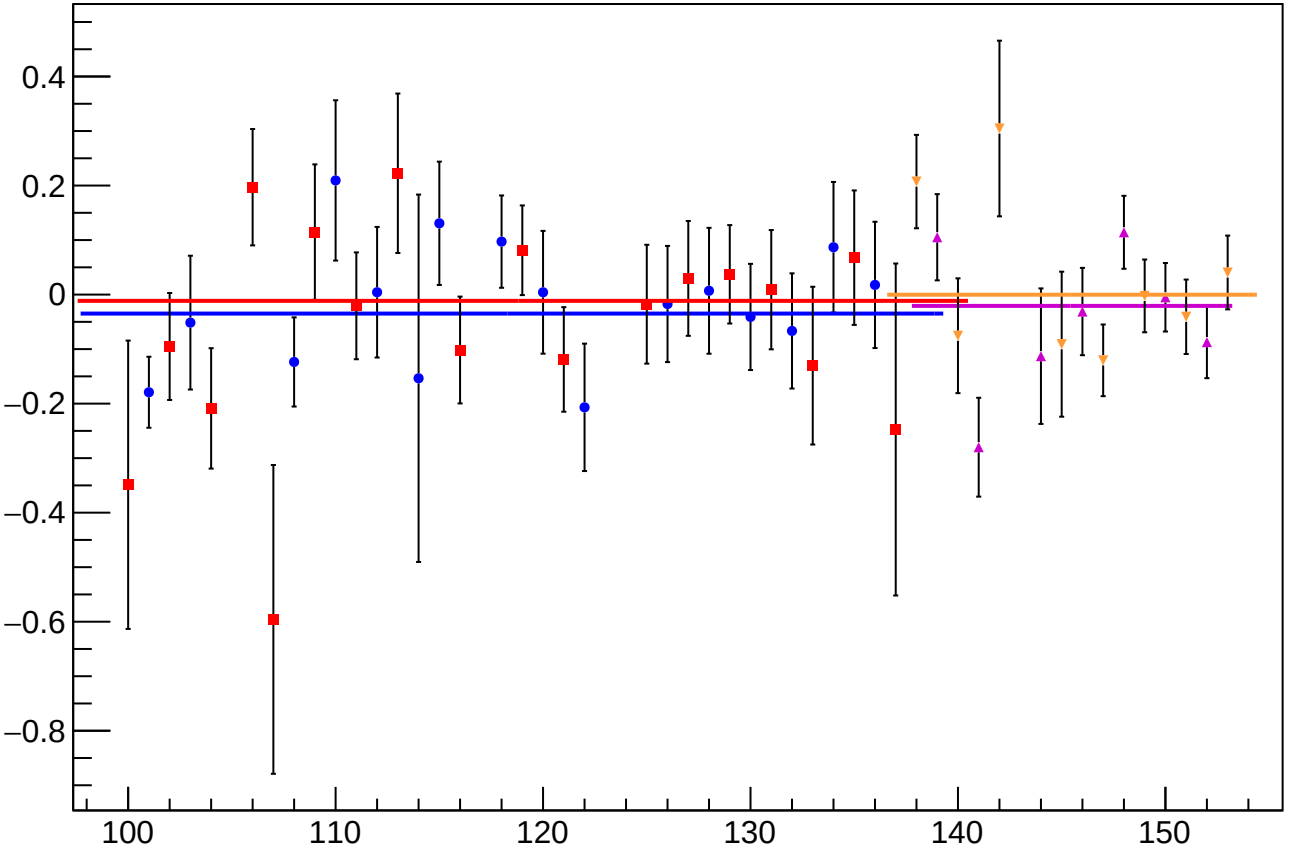
Left In: 43.480+/-0.014 χ^2/NDF:829176.3/6

+ sign 44.919+/-0.010 χ^2/NDF: 2363488.0/23

All: 44.997+/-0.007 χ^2/NDF: 4415834.4/48

- sign 45.076+/-0.010 χ^2/NDF: 2052215.0/24

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.029 χ^2/NDF:14.5/7

Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

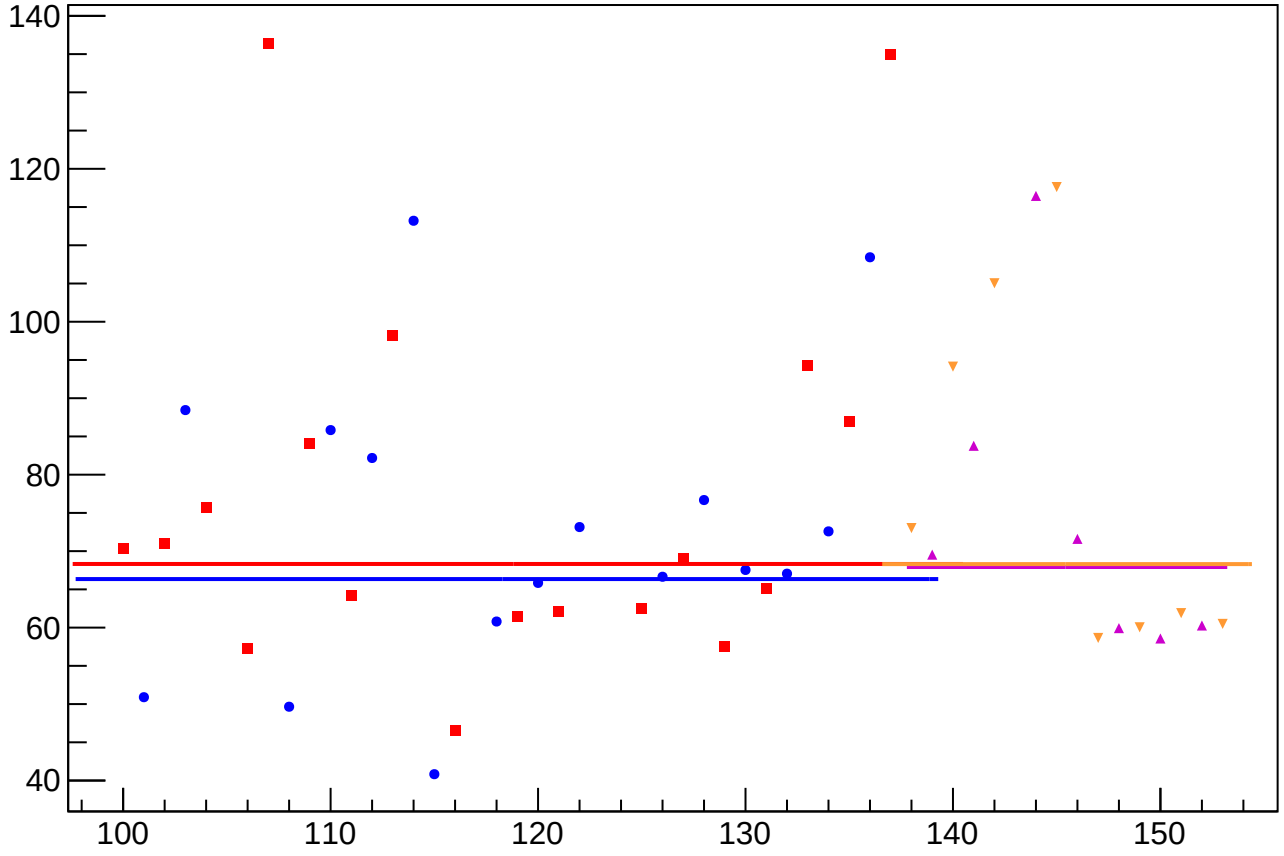
Left In: -0.021+/-0.029 χ^2/NDF:16.4/6

+ sign -0.019+/-0.019 χ^2/NDF: 32.7/23

All: -0.017+/-0.014 χ^2/NDF: 72.0/48

- sign -0.016+/-0.020 χ^2/NDF: 39.2/24

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 68.306+/-0.020 χ^2/NDF:623353.8/7

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

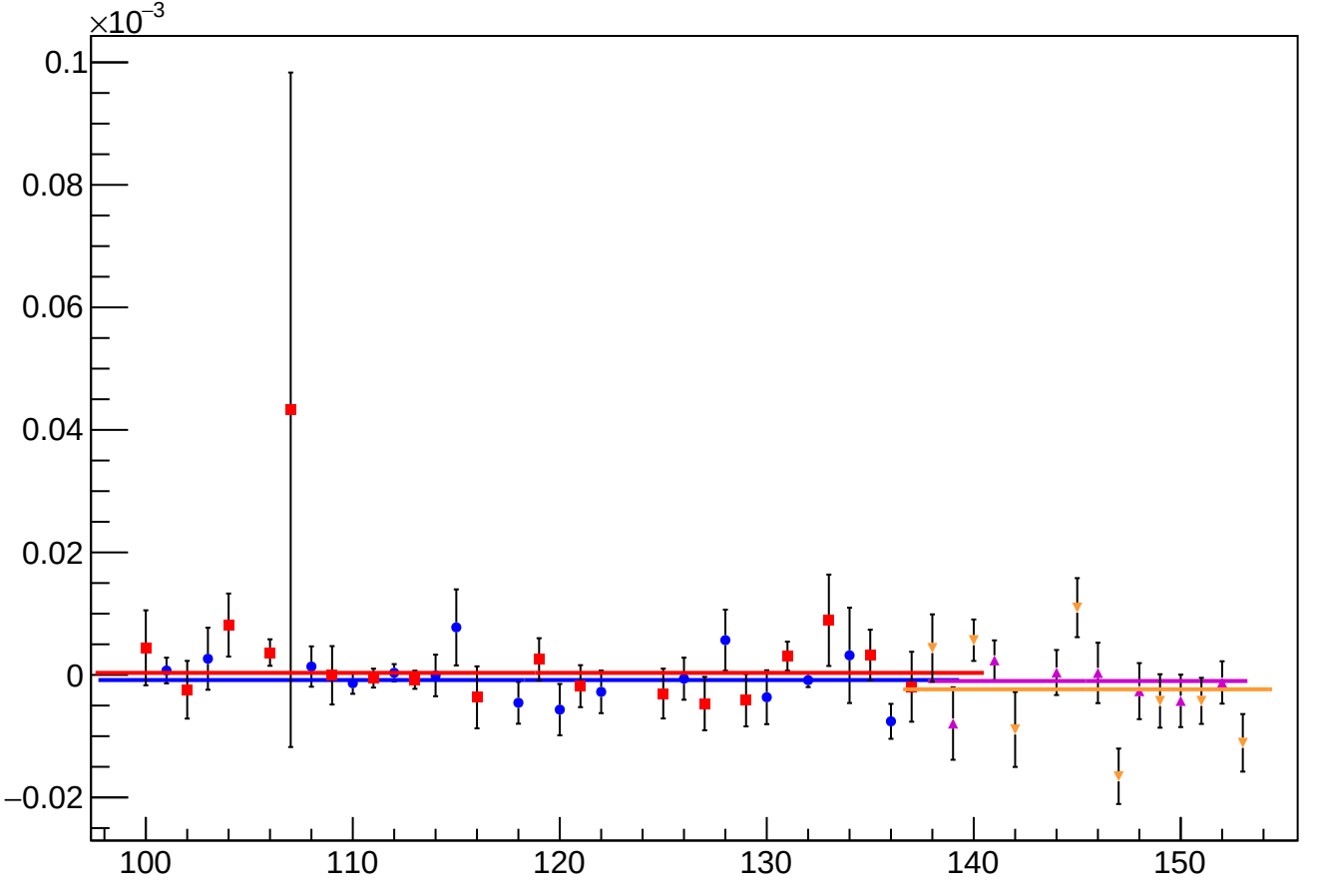
Left In: 67.925+/-0.020 χ^2/NDF:470646.8/6

+ sign 67.239+/-0.014 χ^2/NDF: 1401059.0/23

All: 67.682+/-0.010 χ^2/NDF: 2503693.5/48

- sign 68.137+/-0.014 χ^2/NDF: 1100519.5/24

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/17

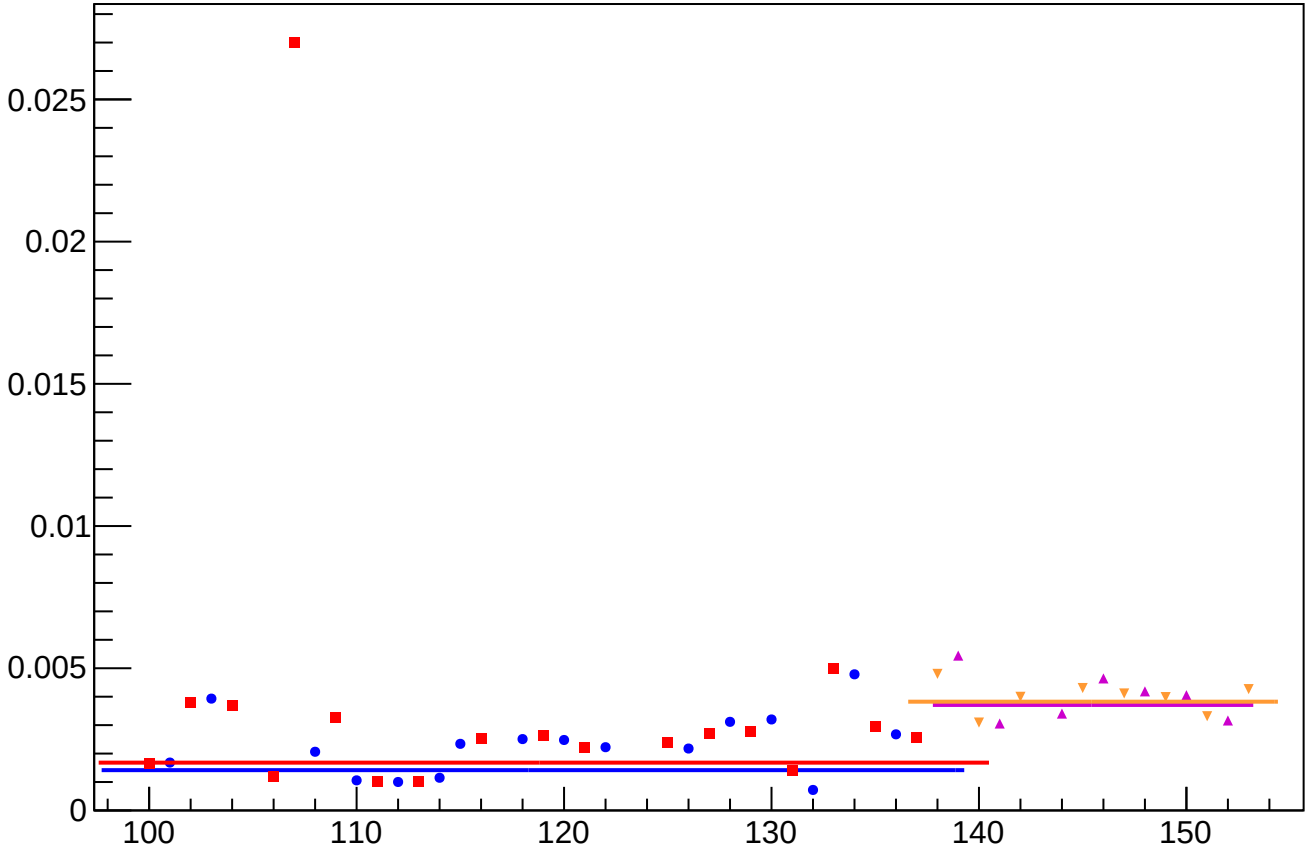
Left In: -0.000+/-0.000 χ^2/NDF:3.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 45.5/23

All: -0.000+/-0.000 χ^2/NDF: 65.9/48

- sign 0.000+/-0.000 χ^2/NDF: 18.8/24

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:244623.0/7

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

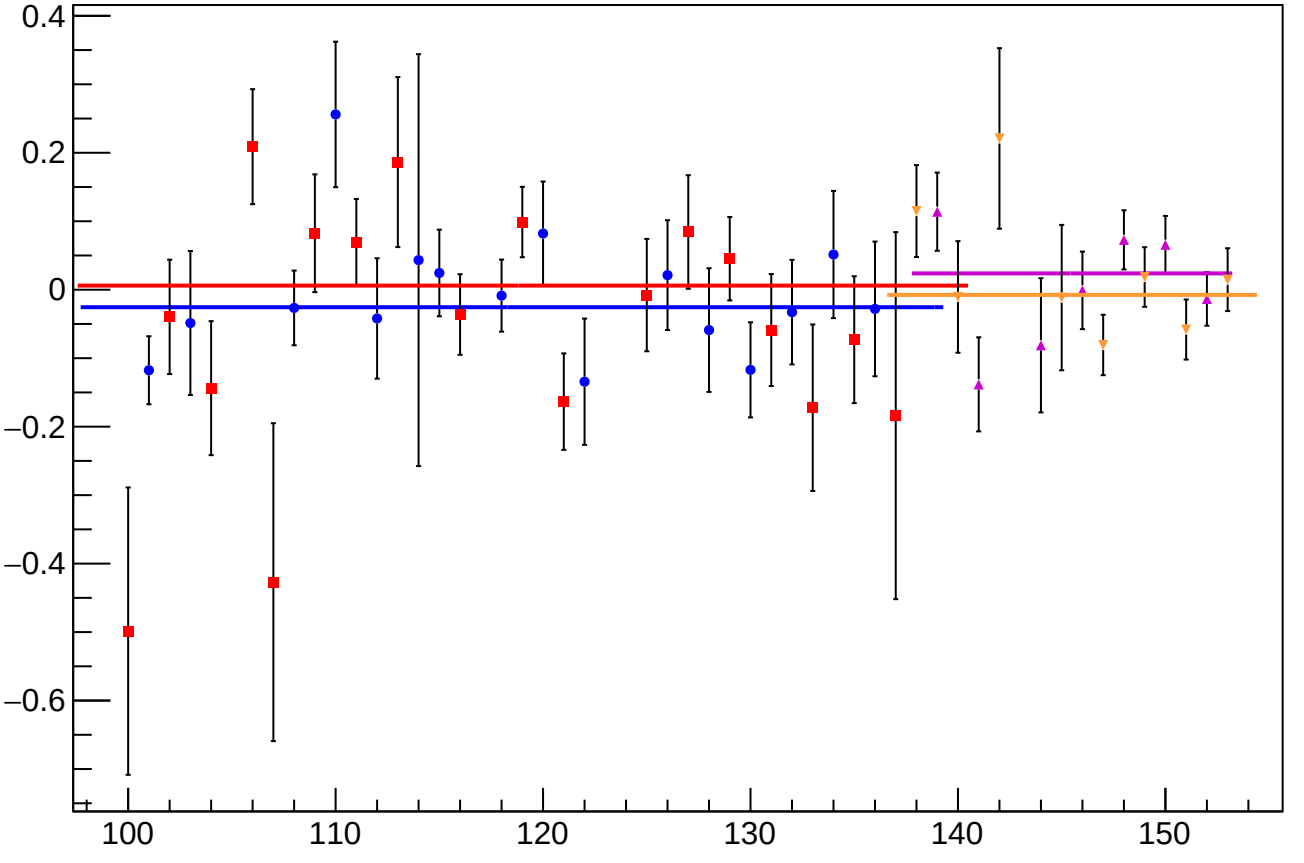
Left In: 0.004+/-0.000 χ^2/NDF:421319.2/6

+ sign 0.002+/-0.000 χ^2/NDF: 7883845.7/23

All: 0.002+/-0.000 χ^2/NDF: 14837279.3/48

- sign 0.002+/-0.000 χ^2/NDF: 6699577.1/24

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.008+/-0.020 χ^2/NDF:11.0/7

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

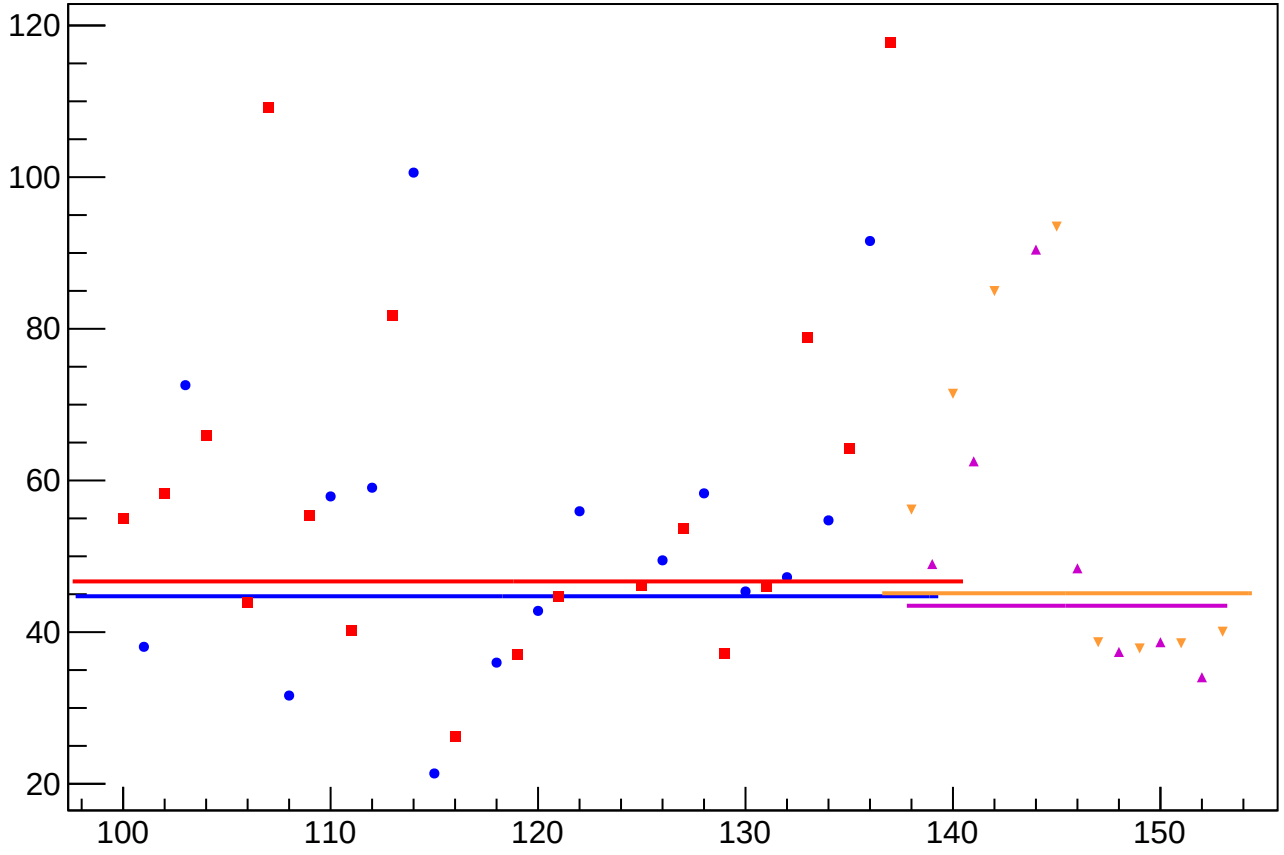
Left In: 0.024+/-0.019 χ^2/NDF:12.6/6

+ sign -0.017+/-0.014 χ^2/NDF: 29.1/23

All: -0.001+/-0.010 χ^2/NDF: 81.4/48

- sign 0.015+/-0.014 χ^2/NDF: 49.5/24

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 45.127+/-0.014 χ^2/NDF:1028480.3/7

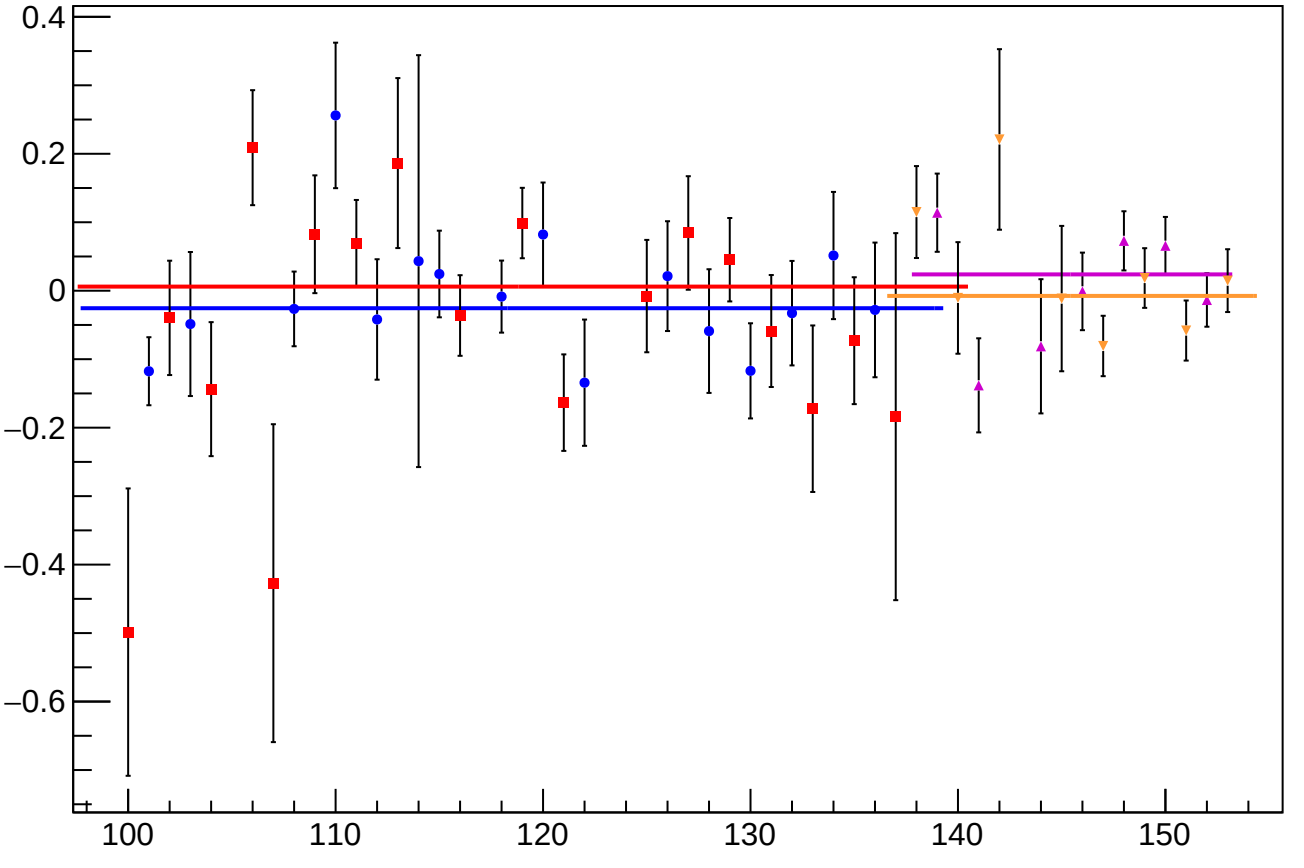
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.480+/-0.014 χ^2/NDF:829155.1/6

+ sign 44.919+/-0.010 χ^2/NDF: 2363503.9/23

All: 44.997+/-0.007 χ^2/NDF: 4415845.2/48

- sign 45.076+/-0.010 χ^2/NDF: 2052209.7/24



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.008+/-0.020 χ^2/NDF:11.0/7

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

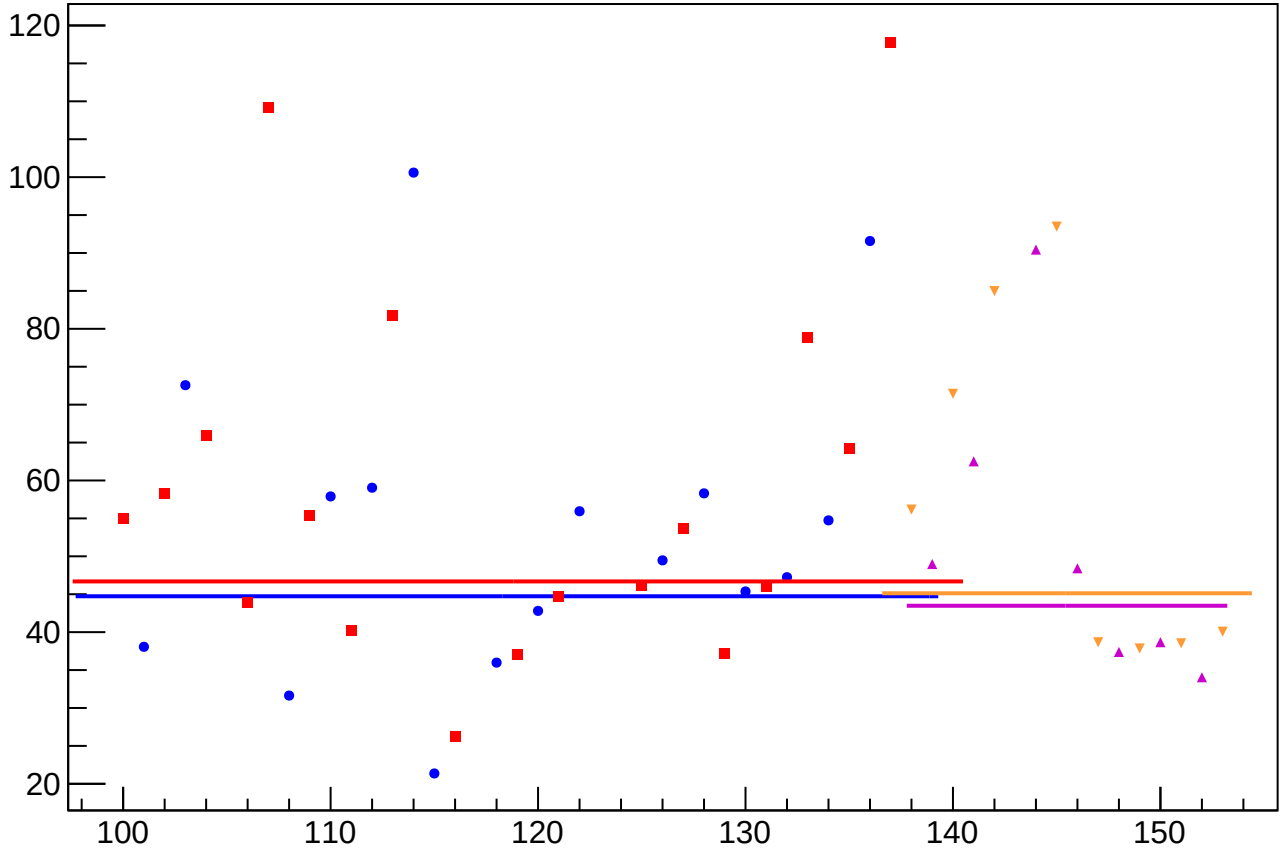
Left In: 0.024+/-0.019 χ^2/NDF:12.6/6

+ sign -0.017+/-0.014 χ^2/NDF: 29.1/23

All: -0.001+/-0.010 χ^2/NDF: 81.4/48

- sign 0.015+/-0.014 χ^2/NDF: 49.5/24

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 45.127+/-0.014 χ^2/NDF:1028480.3/7

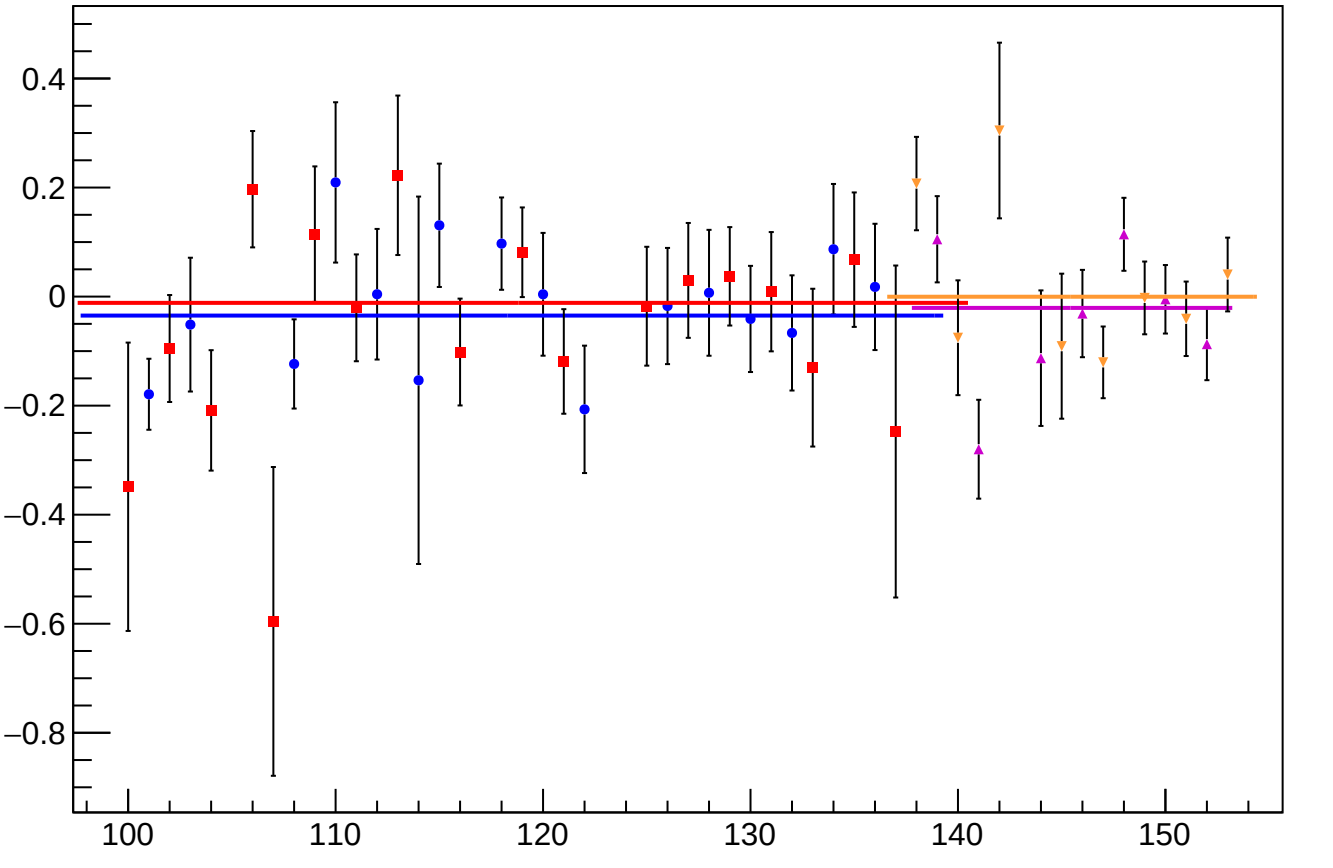
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.480+/-0.014 χ^2/NDF:829155.1/6

+ sign 44.919+/-0.010 χ^2/NDF: 2363503.9/23

All: 44.997+/-0.007 χ^2/NDF: 4415845.2/48

- sign 45.076+/-0.010 χ^2/NDF: 2052209.7/24



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.029 χ^2/NDF:14.5/7

Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

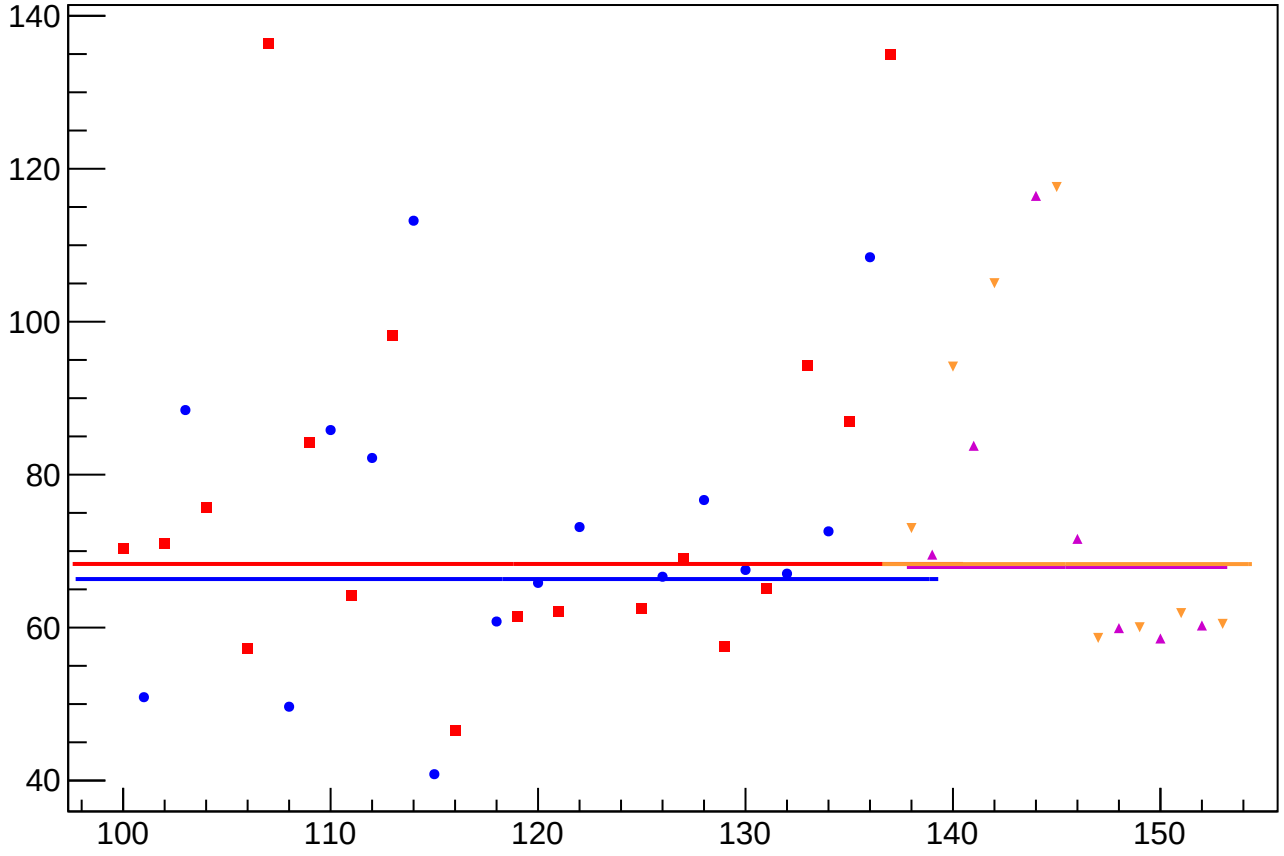
Left In: -0.021+/-0.029 χ^2/NDF:16.4/6

+ sign -0.019+/-0.019 χ^2/NDF: 32.7/23

All: -0.017+/-0.014 χ^2/NDF: 72.0/48

- sign -0.016+/-0.020 χ^2/NDF: 39.2/24

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 68.306+/-0.020 χ^2/NDF:623336.1/7

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

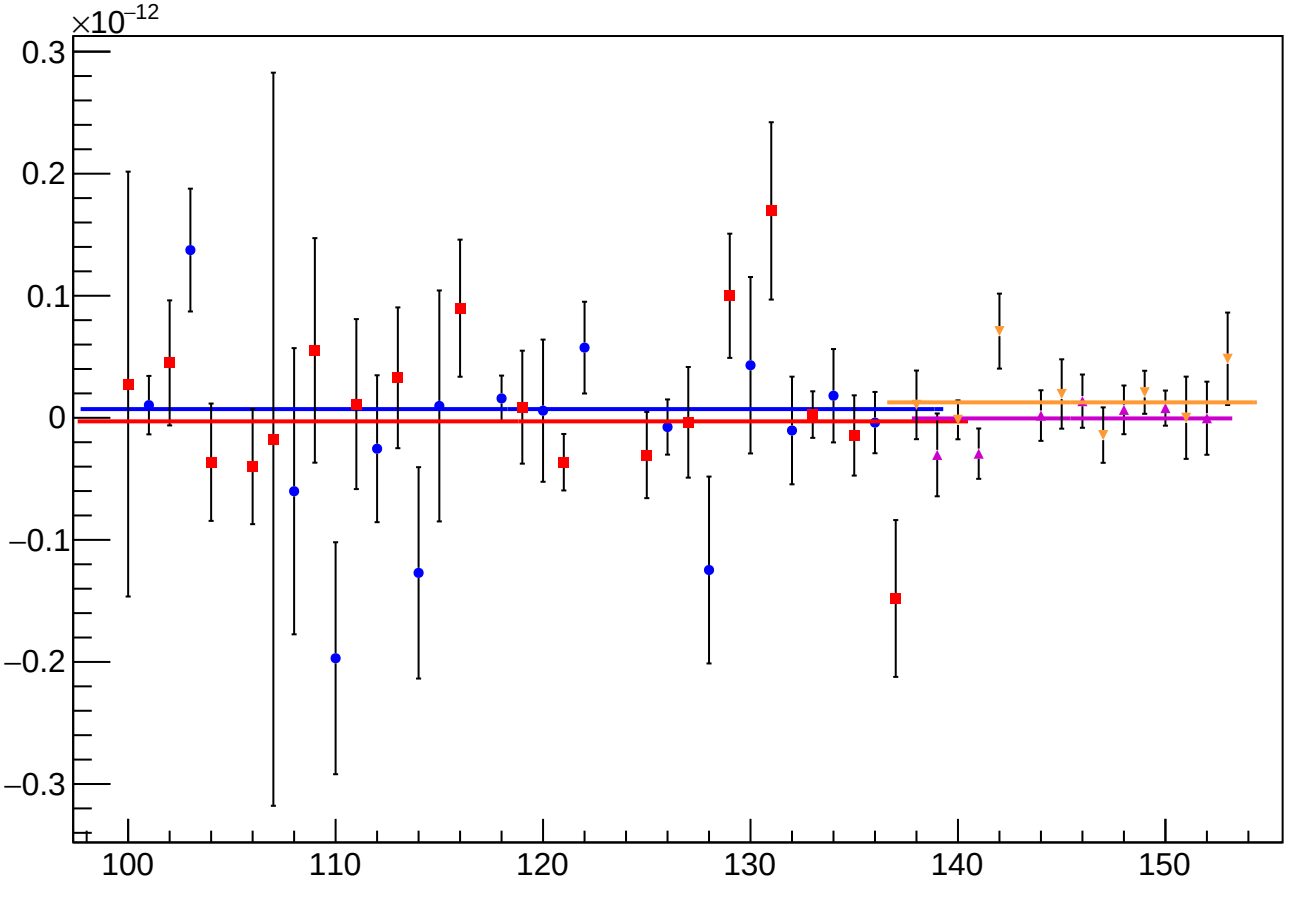
Left In: 67.926+/-0.020 χ^2/NDF:470634.9/6

+ sign 67.239+/-0.014 χ^2/NDF: 1401052.5/23

All: 67.682+/-0.010 χ^2/NDF: 2503669.5/48

- sign 68.137+/-0.014 χ^2/NDF: 1100502.3/24

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/7

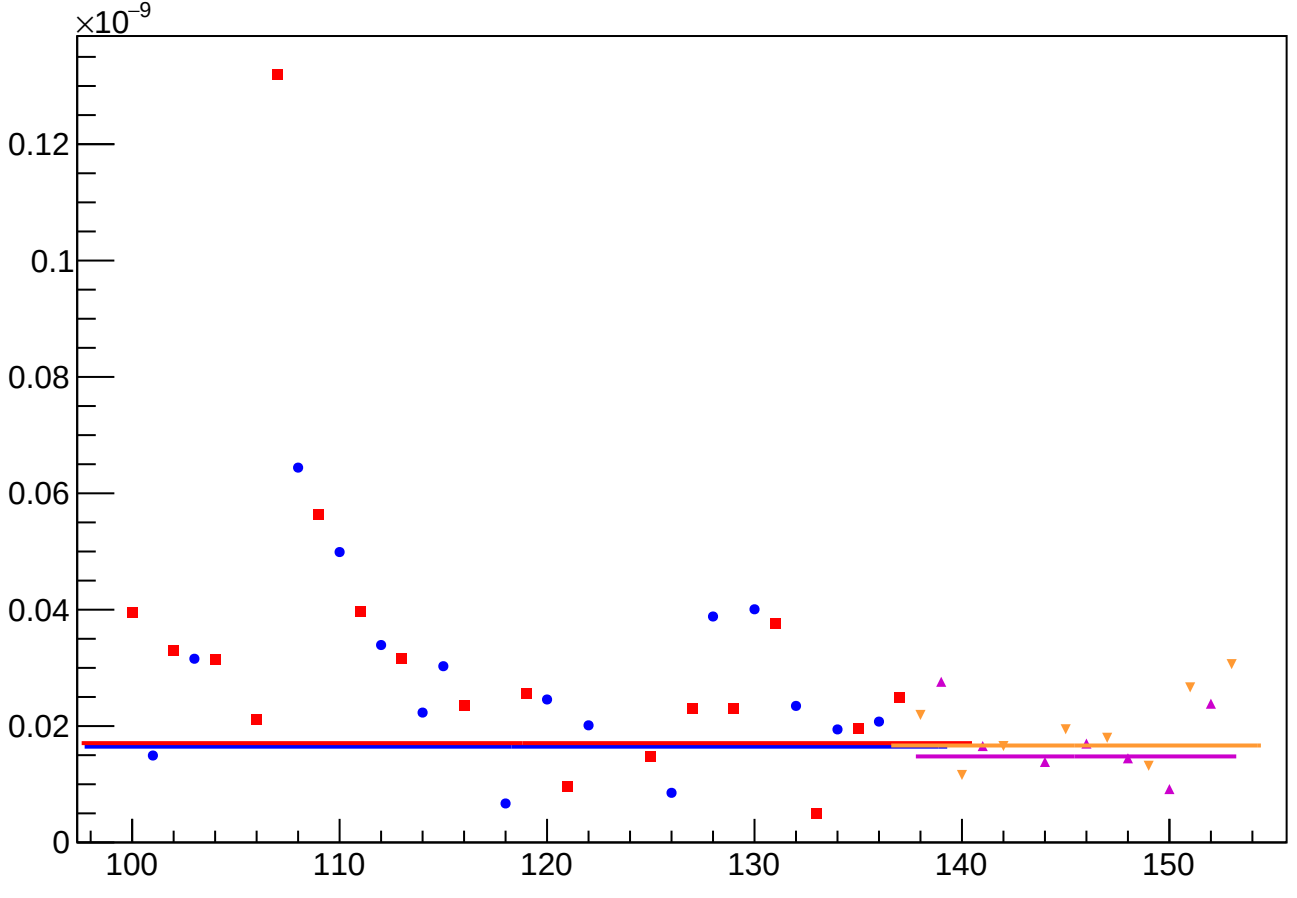
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:3.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 27.8/23

All: 0.000+/-0.000 χ^2/NDF: 56.6/48

- sign -0.000+/-0.000 χ^2/NDF: 27.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:824578.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

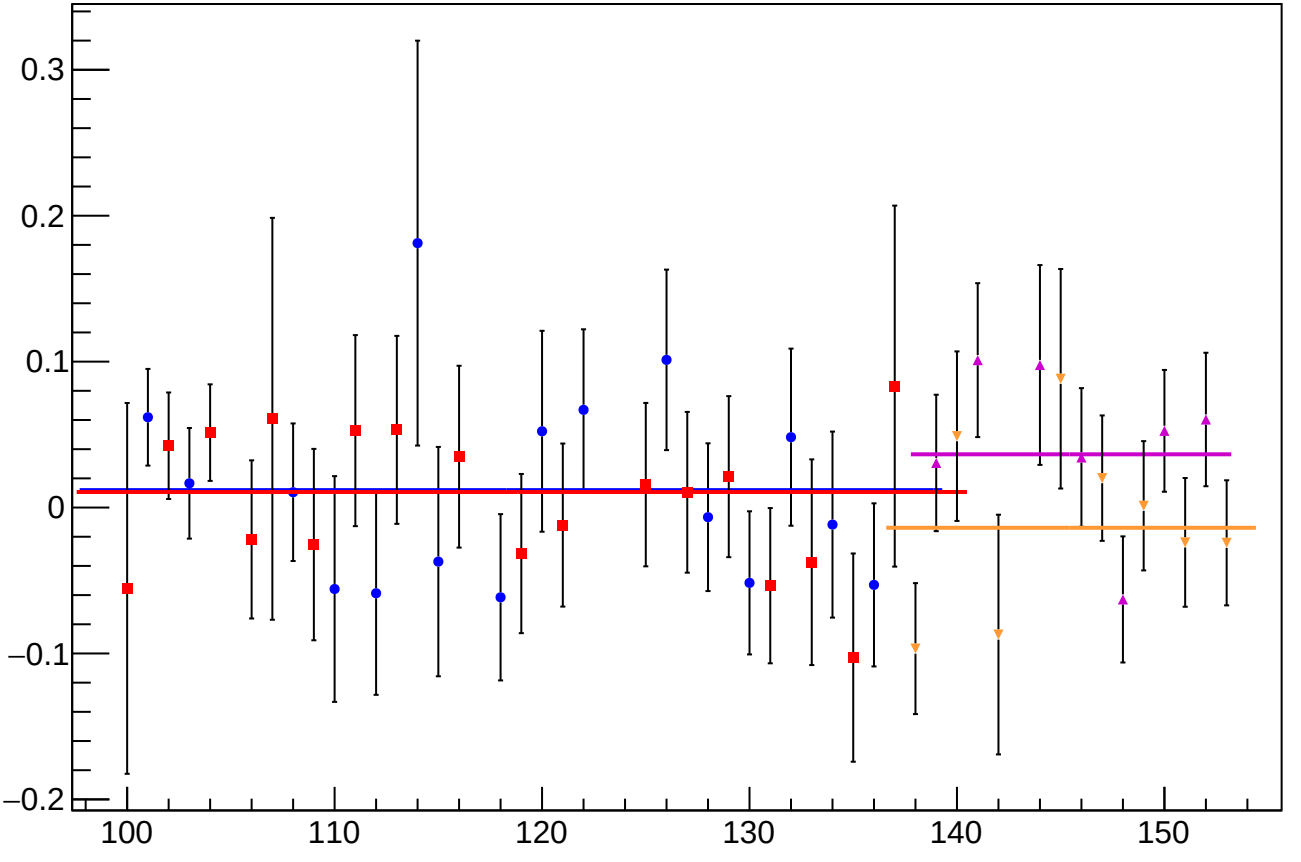
Left In: 0.000+/-0.000 χ^2/NDF:813288.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 3170982.9/23

All: 0.000+/-0.000 χ^2/NDF: 6862476.0/48

- sign 0.000+/-0.000 χ^2/NDF: 3670551.0/24

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.014+/-0.018 χ^2/NDF:8.1/7

Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

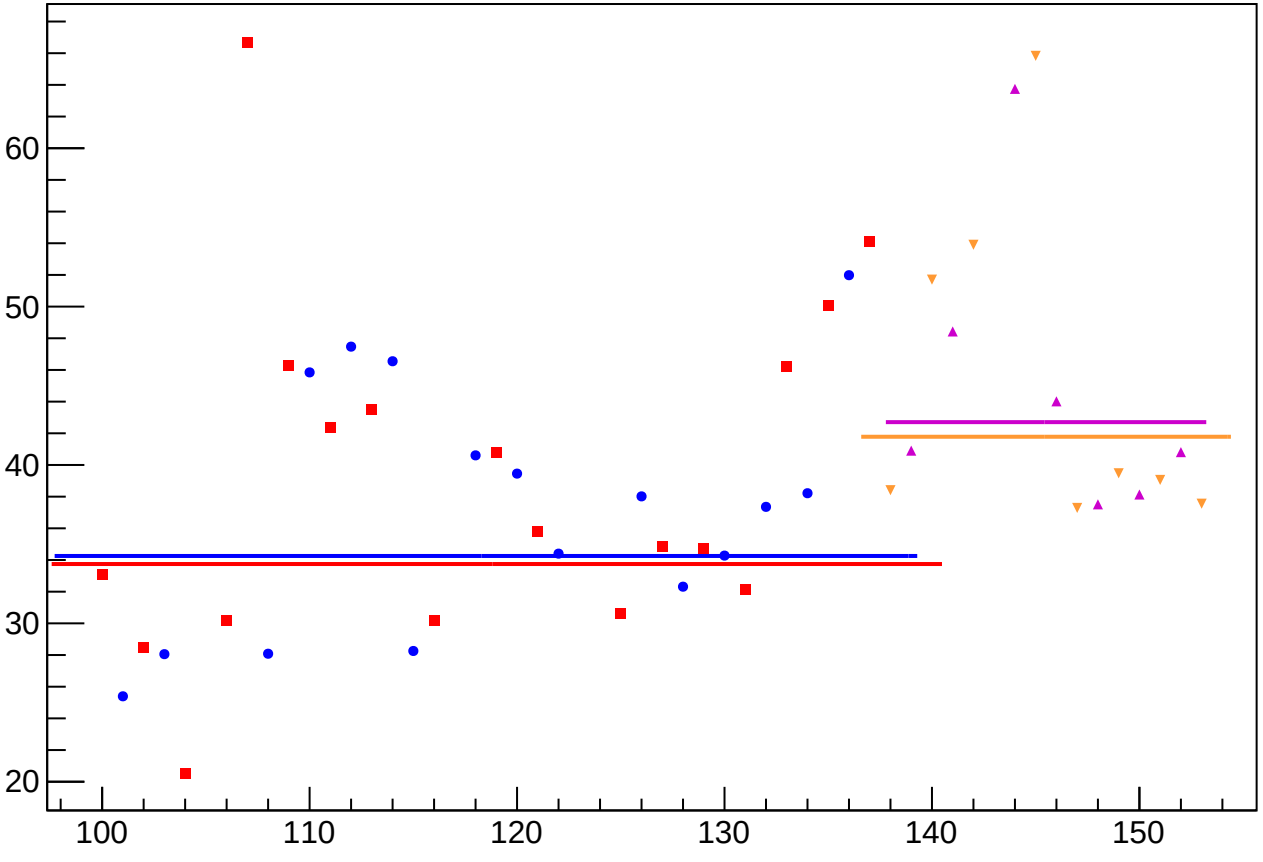
Left In: 0.036+/-0.018 χ^2/NDF:8.0/6

+ sign 0.002+/-0.011 χ^2/NDF: 24.1/23

All: 0.011+/-0.008 χ^2/NDF: 44.7/48

- sign 0.020+/-0.011 χ^2/NDF: 19.3/24

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.782+/-0.012 χ^2/NDF:372001.2/7

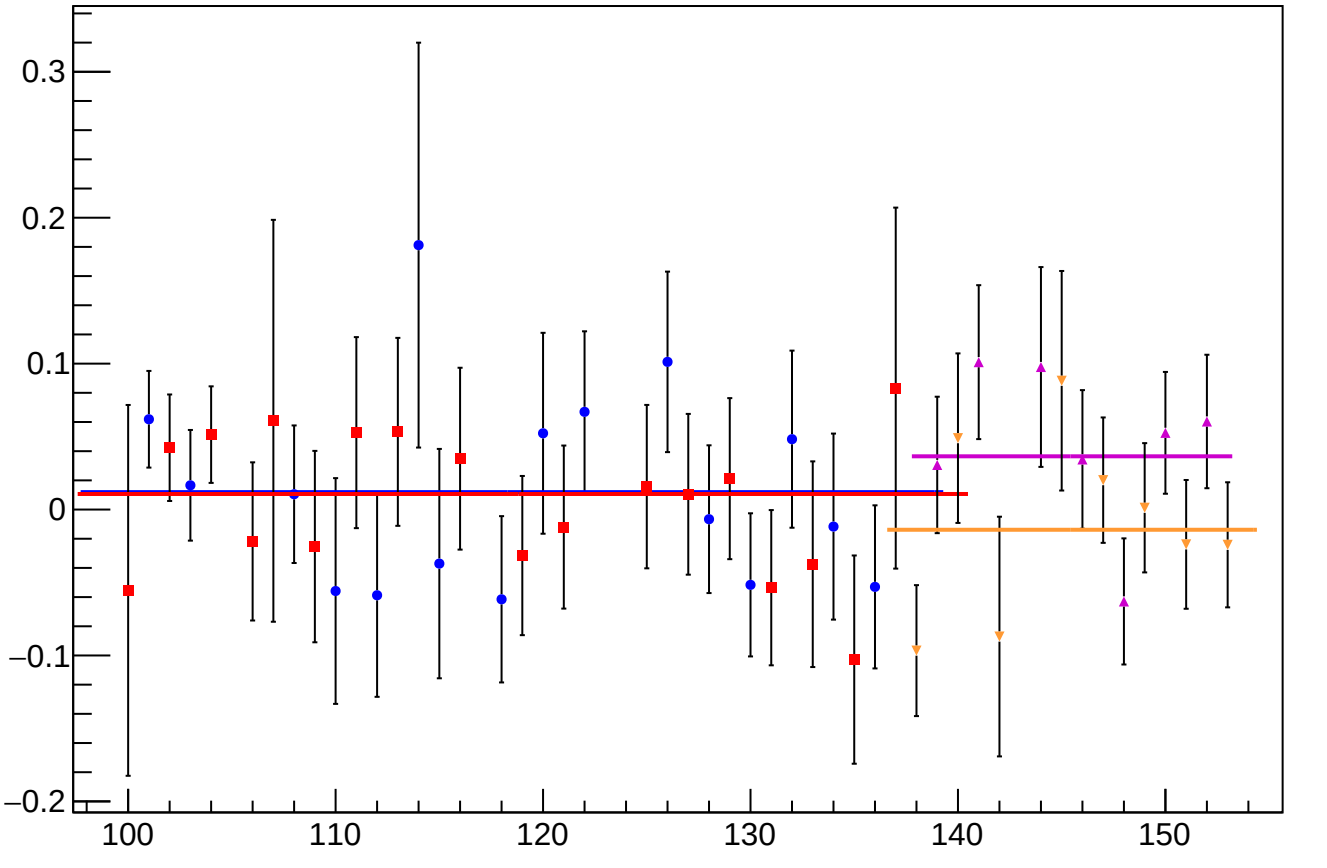
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 42.705+/-0.013 χ^2/NDF:273233.6/6

+ sign 37.071+/-0.008 χ^2/NDF: 1236879.3/23

All: 37.004+/-0.005 χ^2/NDF: 2738563.6/48

- sign 36.936+/-0.008 χ^2/NDF: 1501527.4/24



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.014+/-0.018 χ^2/NDF:8.1/7

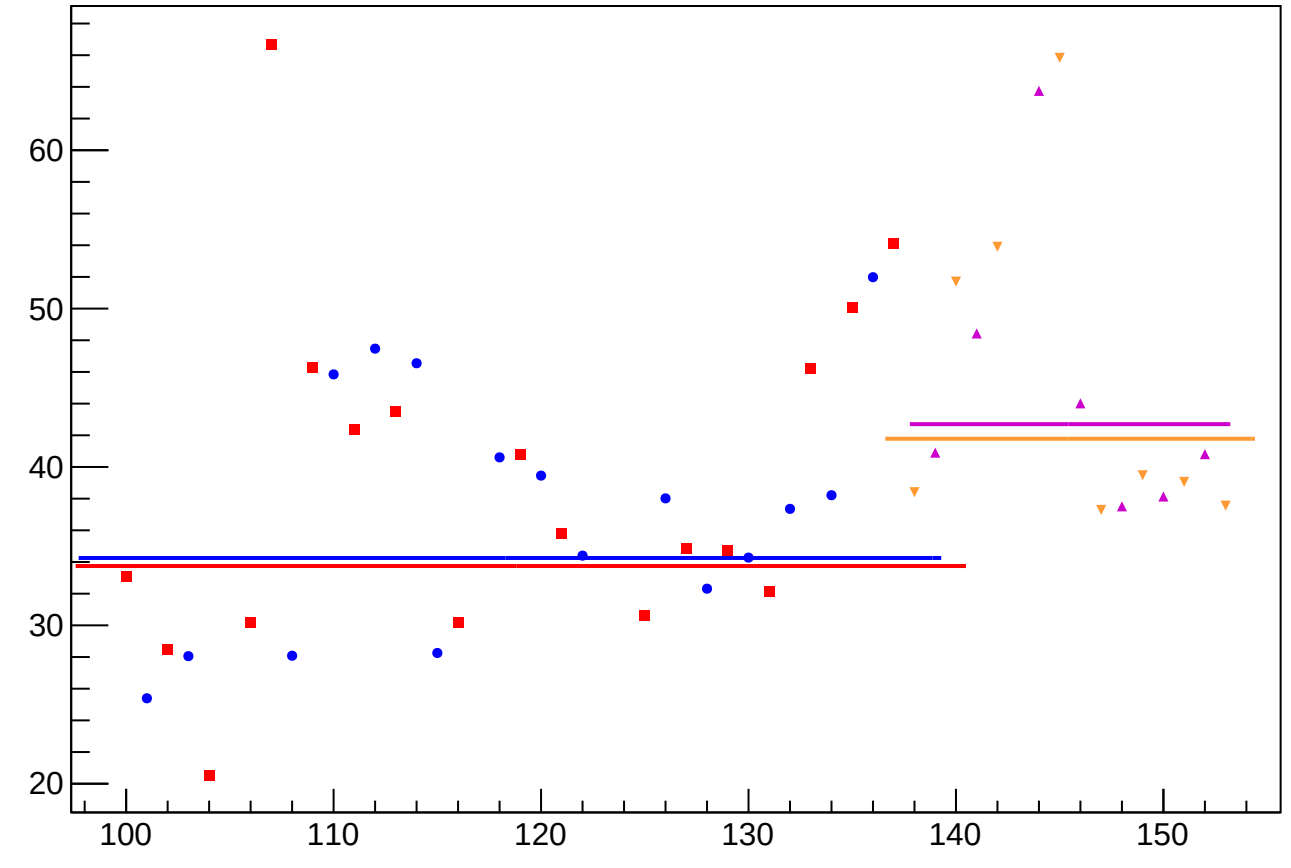
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.036+/-0.018 χ^2/NDF:8.0/6

+ sign 0.002+/-0.011 χ^2/NDF: 24.1/23

All: 0.011+/-0.008 χ^2/NDF: 44.7/48

- sign 0.020+/-0.011 χ^2/NDF: 19.3/24



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.782+/-0.012 χ^2/NDF:372001.2/7

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

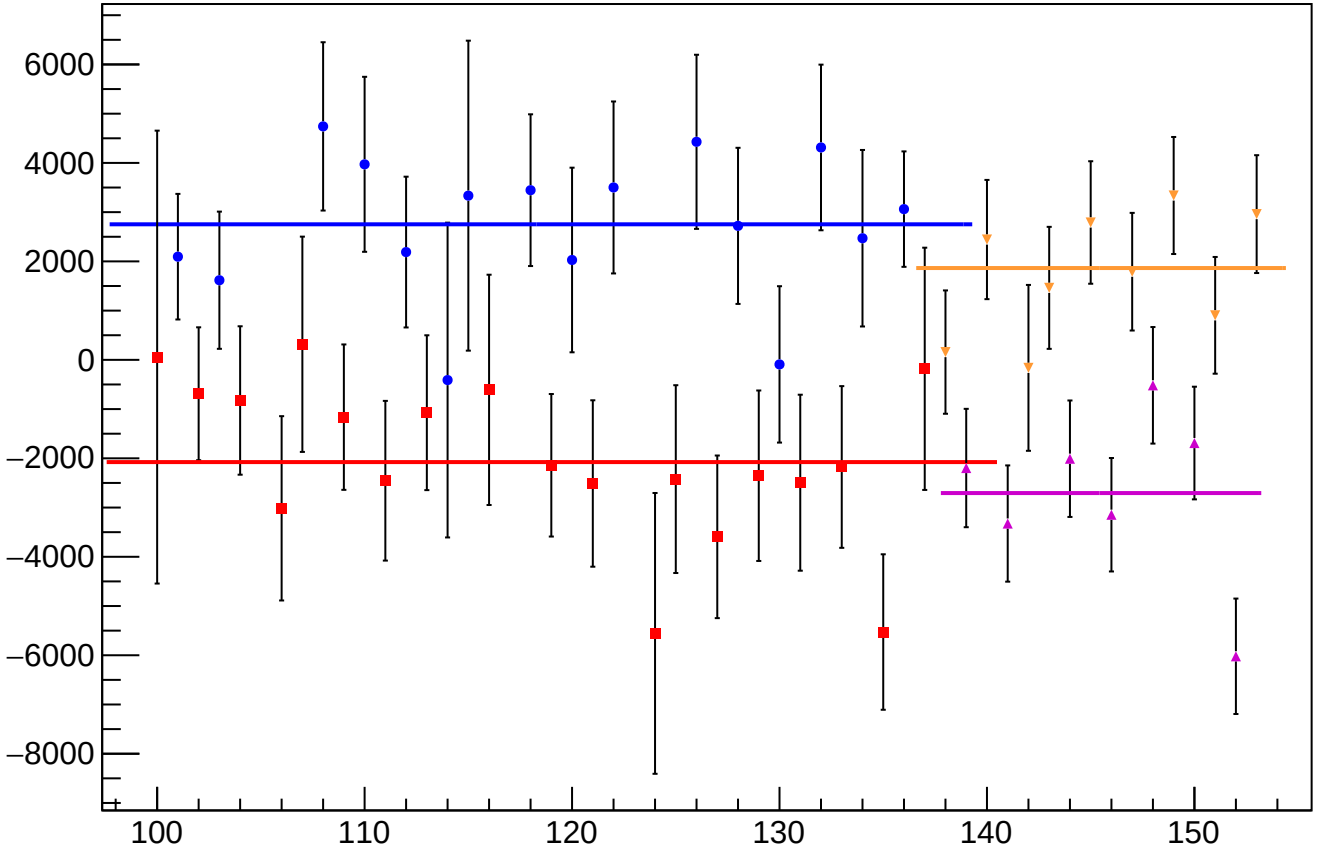
Left In: 42.705+/-0.013 χ^2/NDF:273233.6/6

+ sign 37.071+/-0.008 χ^2/NDF: 1236879.3/23

All: 37.004+/-0.005 χ^2/NDF: 2738563.6/48

- sign 36.936+/-0.008 χ^2/NDF: 1501527.4/24

reg_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1864.798+/-415.685 χ^2/NDF:7.2/8

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

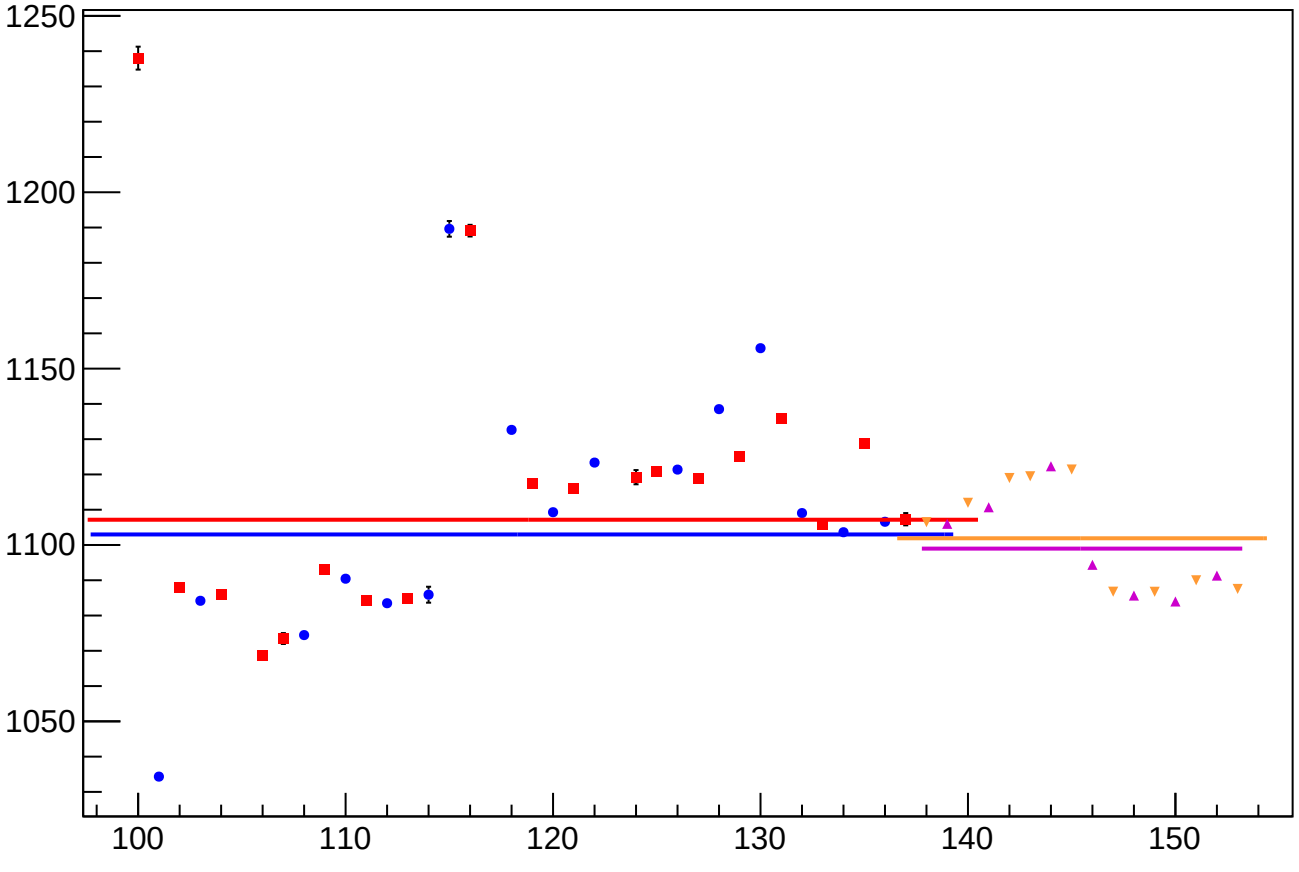
Left In: -2705.599+/-443.560 χ^2/NDF:13.2/6

+ sign 2315.253+/-291.844 χ^2/NDF: 19.0/24

All: 30.318+/-208.712 χ^2/NDF: 171.3/50

- sign -2361.577+/-298.597 χ^2/NDF: 26.8/25

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1101.900+/-0.294 χ^2/NDF:2401.0/8

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

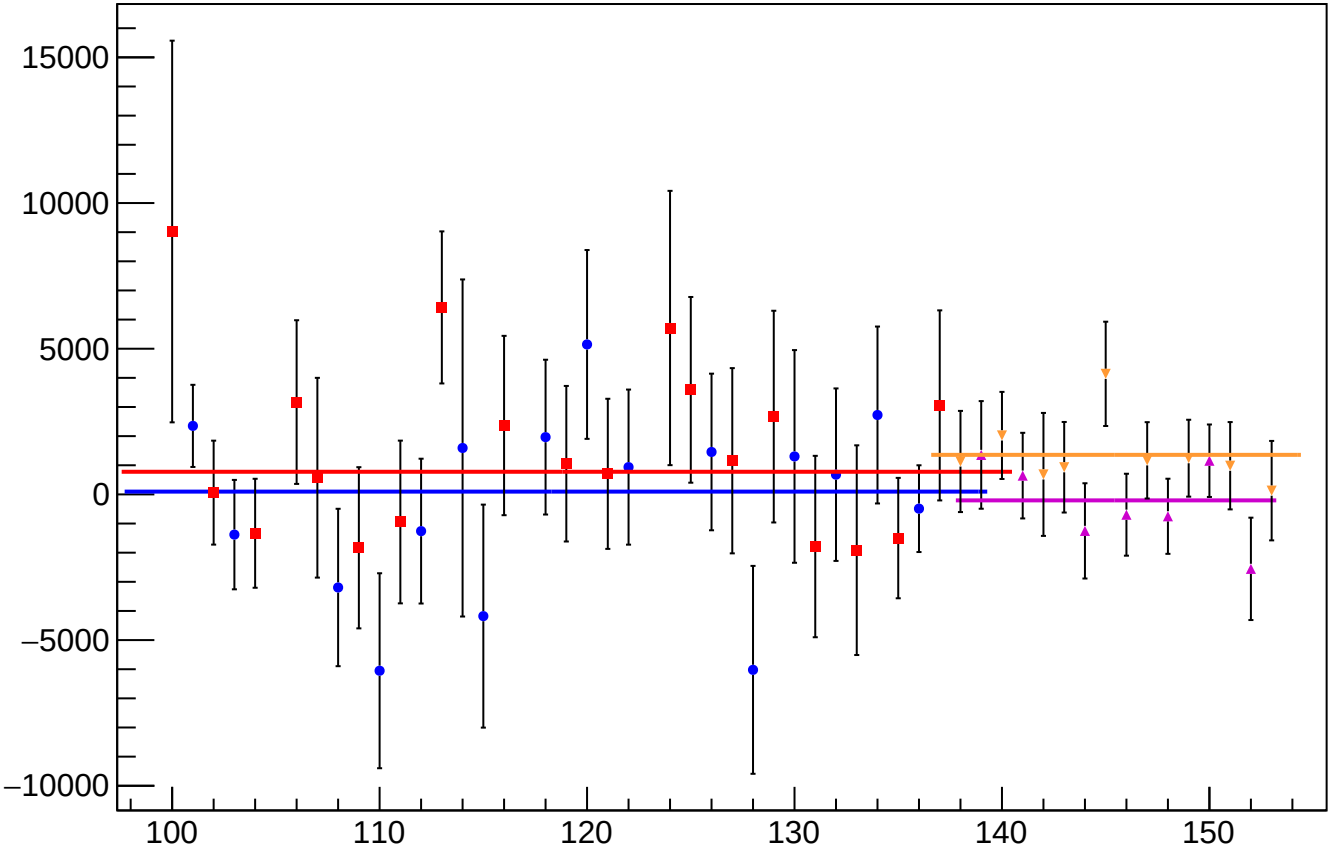
Left In: 1098.974+/-0.314 χ^2/NDF:1757.4/6

+ sign 1102.451+/-0.206 χ^2/NDF: 15631.7/24

All: 1102.939+/-0.148 χ^2/NDF: 26456.3/50

- sign 1103.450+/-0.211 χ^2/NDF: 10813.2/25

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1357.514+/-521.563 χ^2/NDF:3.4/8

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

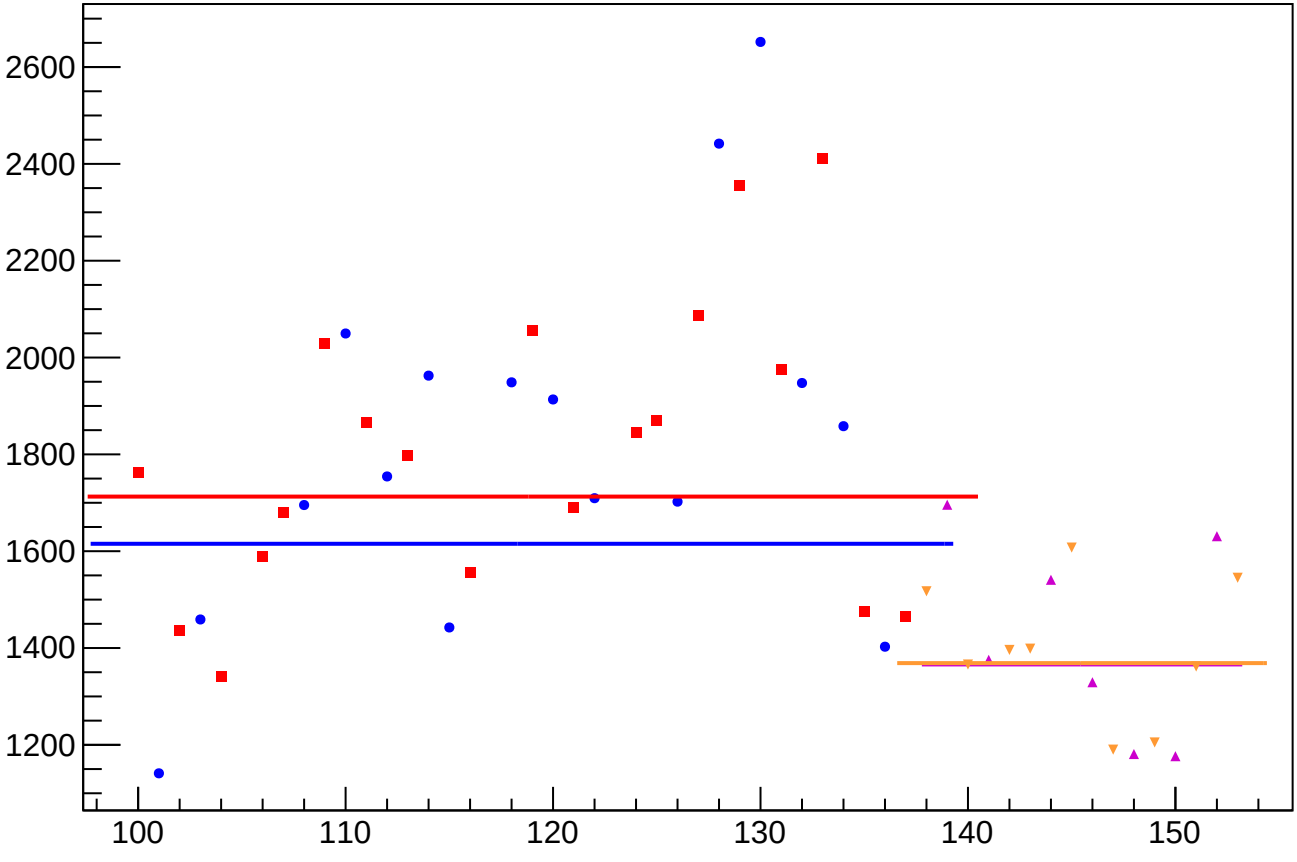
Left In: -205.085+/-558.250 χ^2/NDF:4.7/6

\+ sign 832.830+/-398.612 χ^2/NDF: 22.8/24

All: 543.030+/-289.071 χ^2/NDF: 45.1/50

\- sign 221.556+/-419.831 χ^2/NDF: 21.2/25

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1368.850+/-0.369 χ^2/NDF:140711.9/8

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

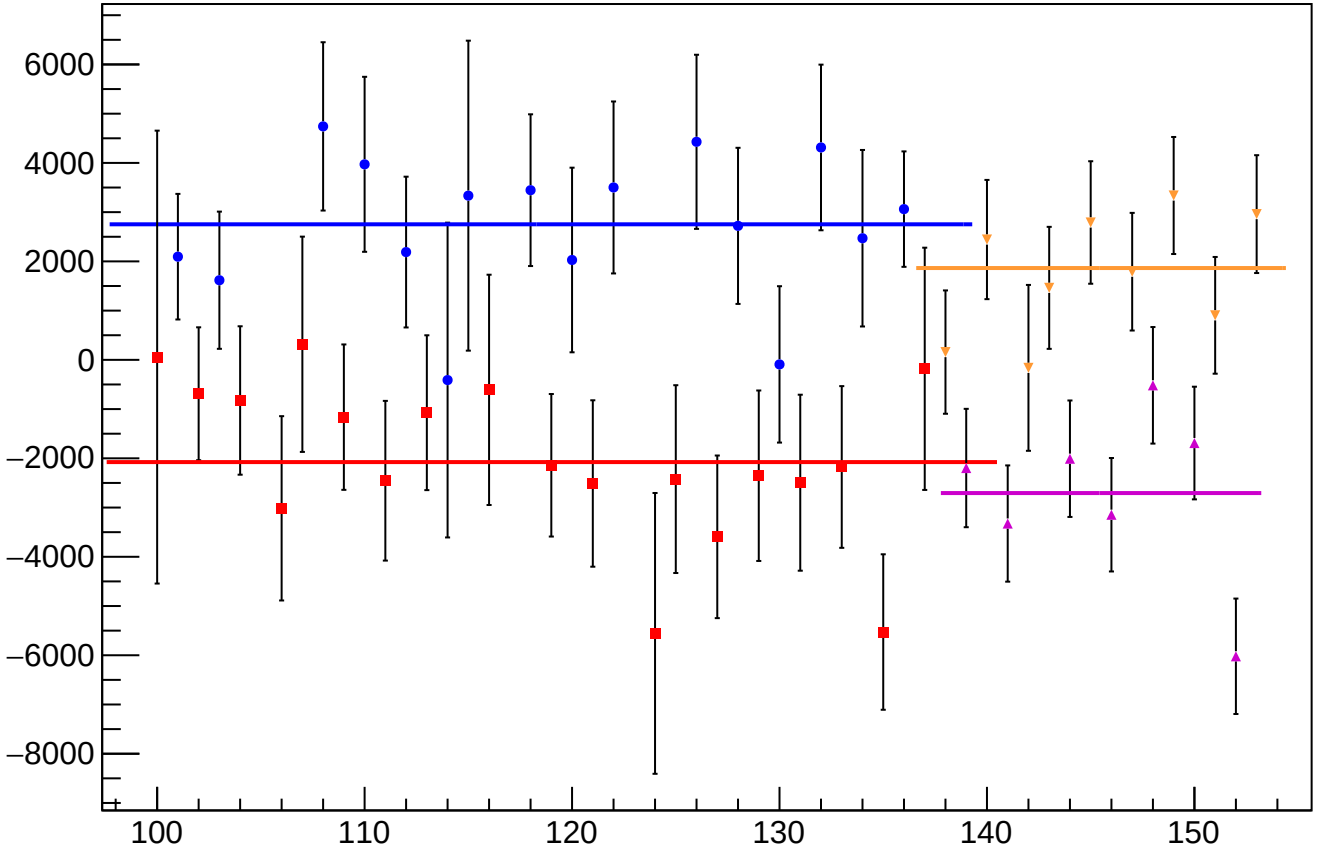
Left In: 1366.077+/-0.395 χ^2/NDF:221257.4/6

+ sign 1471.355+/-0.282 χ^2/NDF: 1020087.1/24

All: 1492.854+/-0.204 χ^2/NDF: 2016836.7/50

- sign 1516.701+/-0.297 χ^2/NDF: 984478.9/25

cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1864.798+/-415.685 χ^2/NDF:7.2/8

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

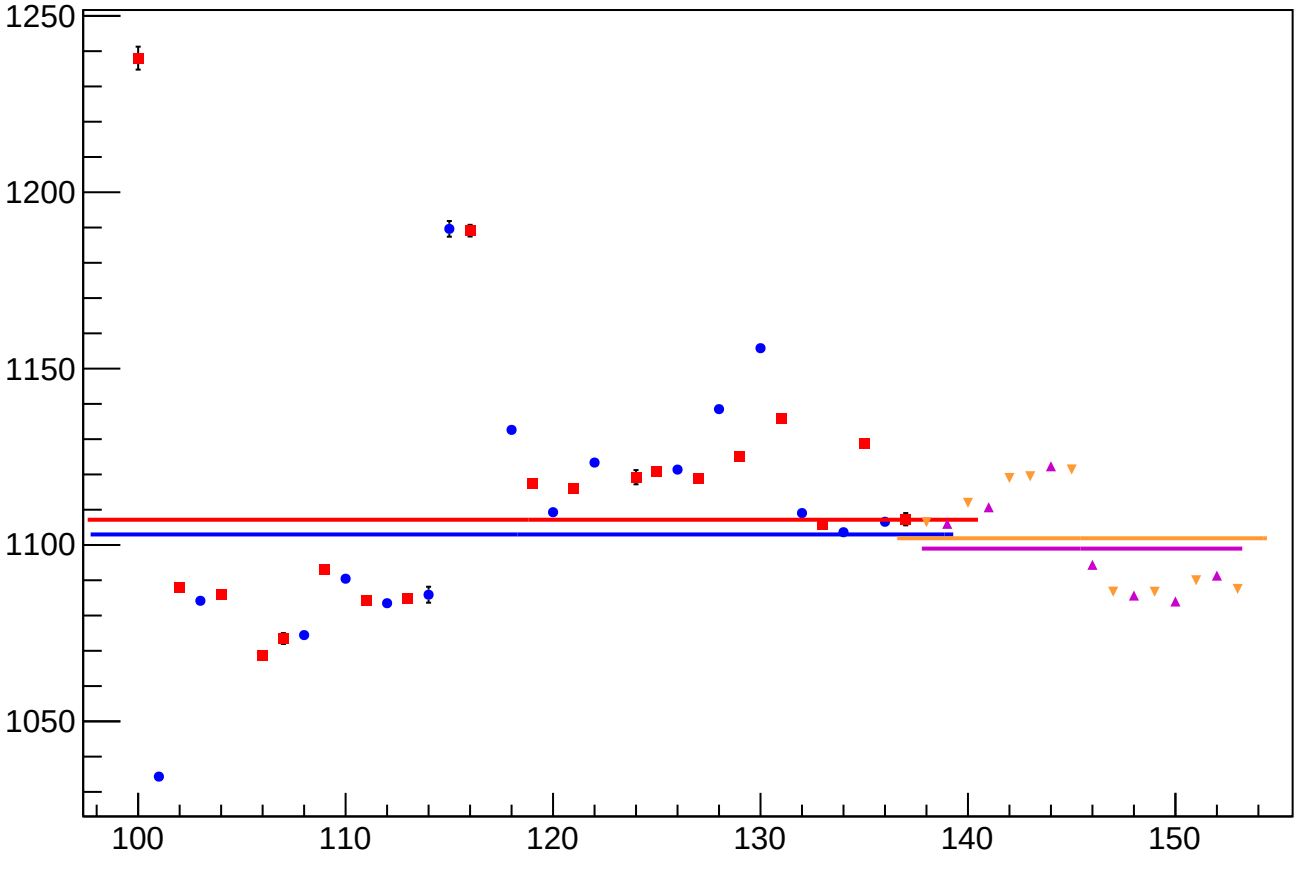
Left In: -2705.599+/-443.560 χ^2/NDF:13.2/6

+ sign 2315.253+/-291.844 χ^2/NDF: 19.0/24

All: 30.318+/-208.712 χ^2/NDF: 171.3/50

- sign -2361.577+/-298.597 χ^2/NDF: 26.8/25

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1101.900+/-0.294 χ^2/NDF:2401.0/8

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

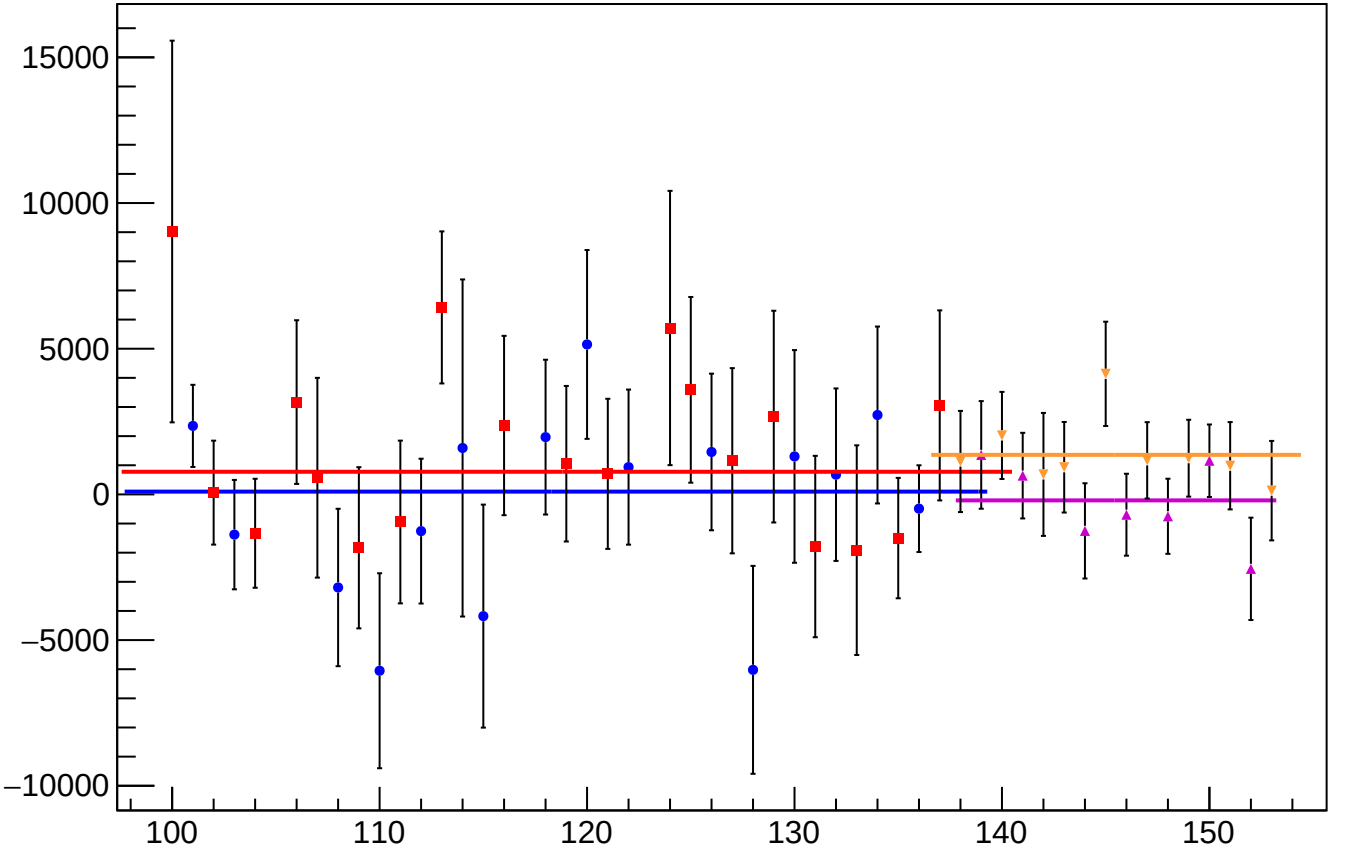
Left In: 1098.974+/-0.314 χ^2/NDF:1757.4/6

+ sign 1102.451+/-0.206 χ^2/NDF: 15631.7/24

All: 1102.939+/-0.148 χ^2/NDF: 26456.3/50

- sign 1103.450+/-0.211 χ^2/NDF: 10813.2/25

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1357.514+/-521.563 χ^2/NDF:3.4/8

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

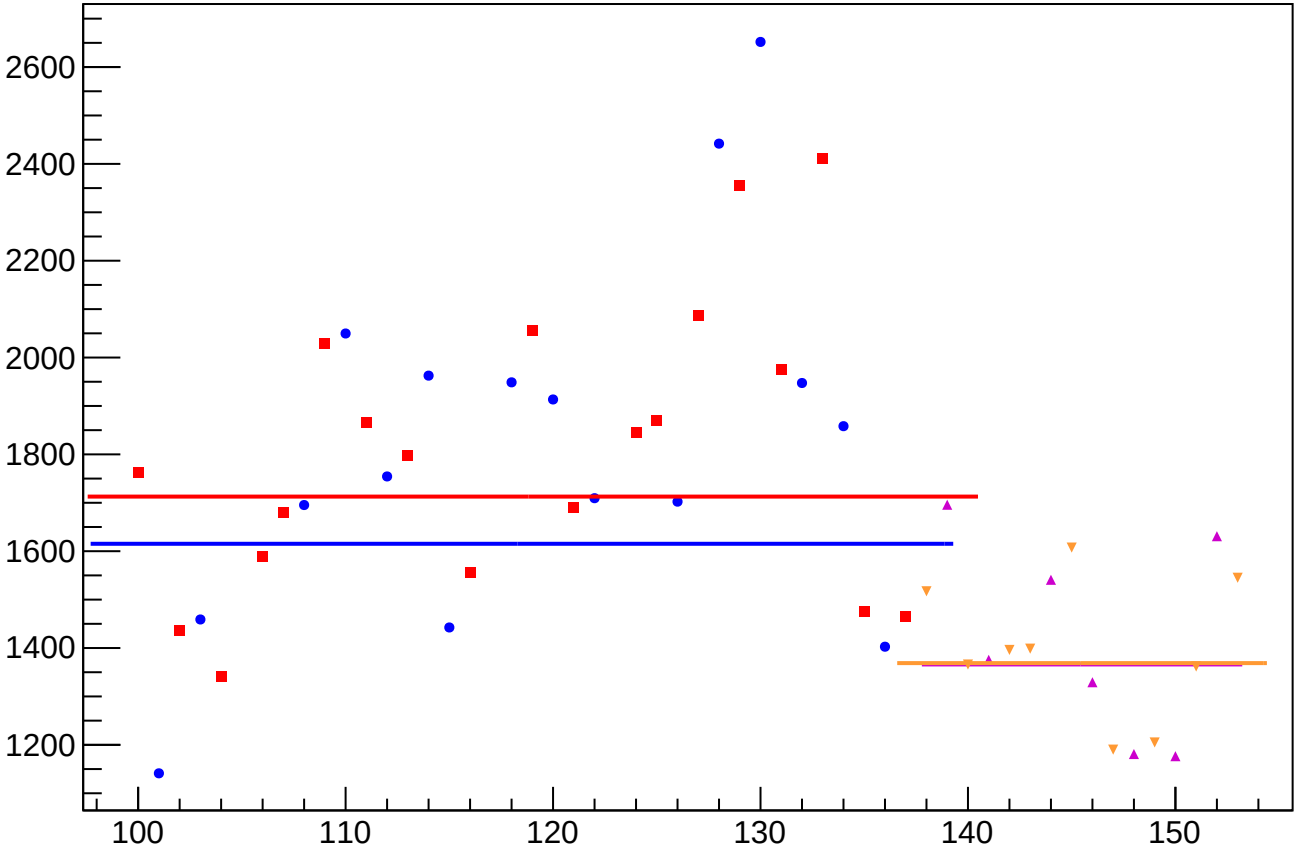
Left In: -205.085+/-558.250 χ^2/NDF:4.7/6

\+ sign 832.830+/-398.612 χ^2/NDF: 22.8/24

All: 543.030+/-289.071 χ^2/NDF: 45.1/50

\- sign 221.556+/-419.831 χ^2/NDF: 21.2/25

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1368.850+/-0.369 χ^2/NDF:140711.9/8

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

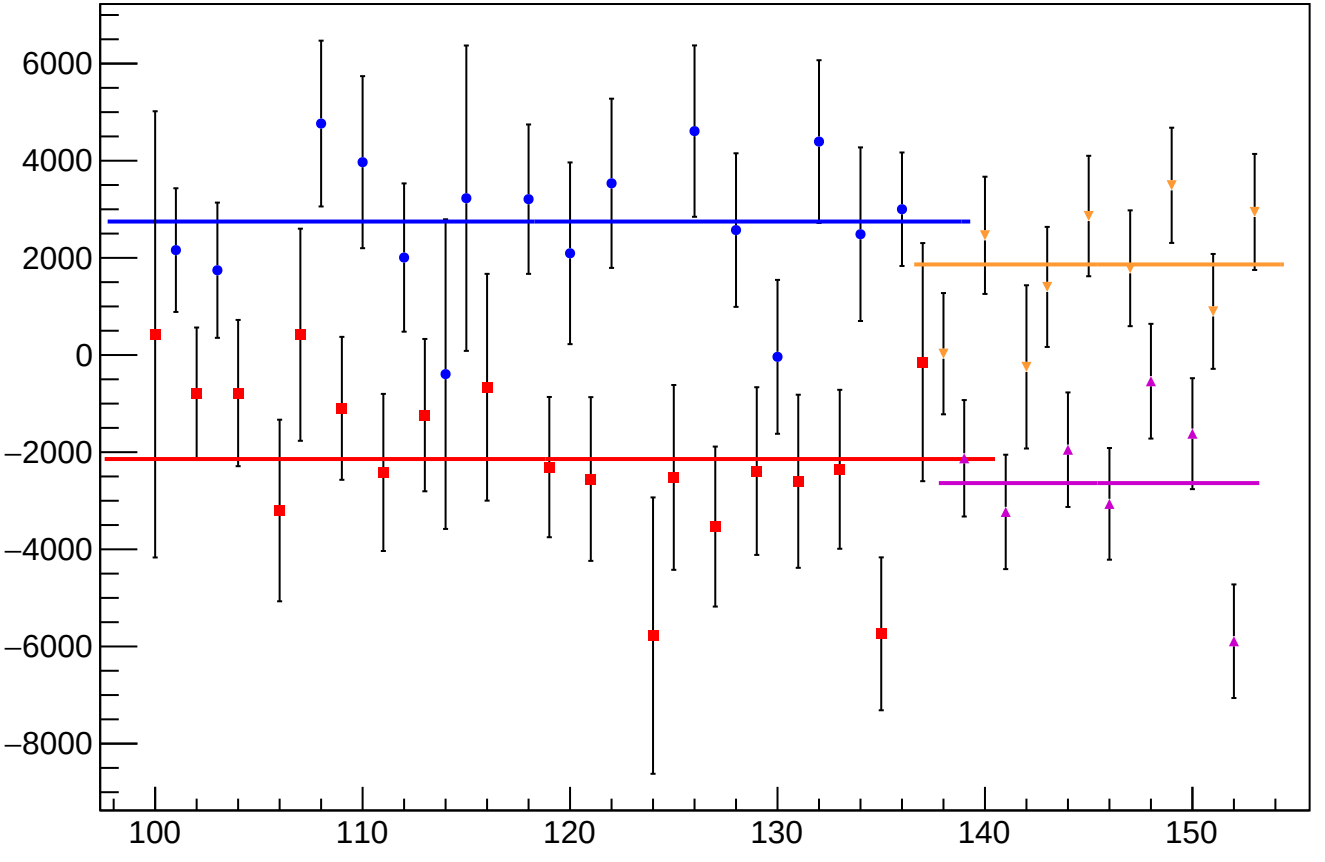
Left In: 1366.077+/-0.395 χ^2/NDF:221257.4/6

+ sign 1471.355+/-0.282 χ^2/NDF: 1020087.1/24

All: 1492.854+/-0.204 χ^2/NDF: 2016836.7/50

- sign 1516.701+/-0.297 χ^2/NDF: 984478.9/25

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1864.889+/-414.563 χ^2/NDF:8.2/8

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

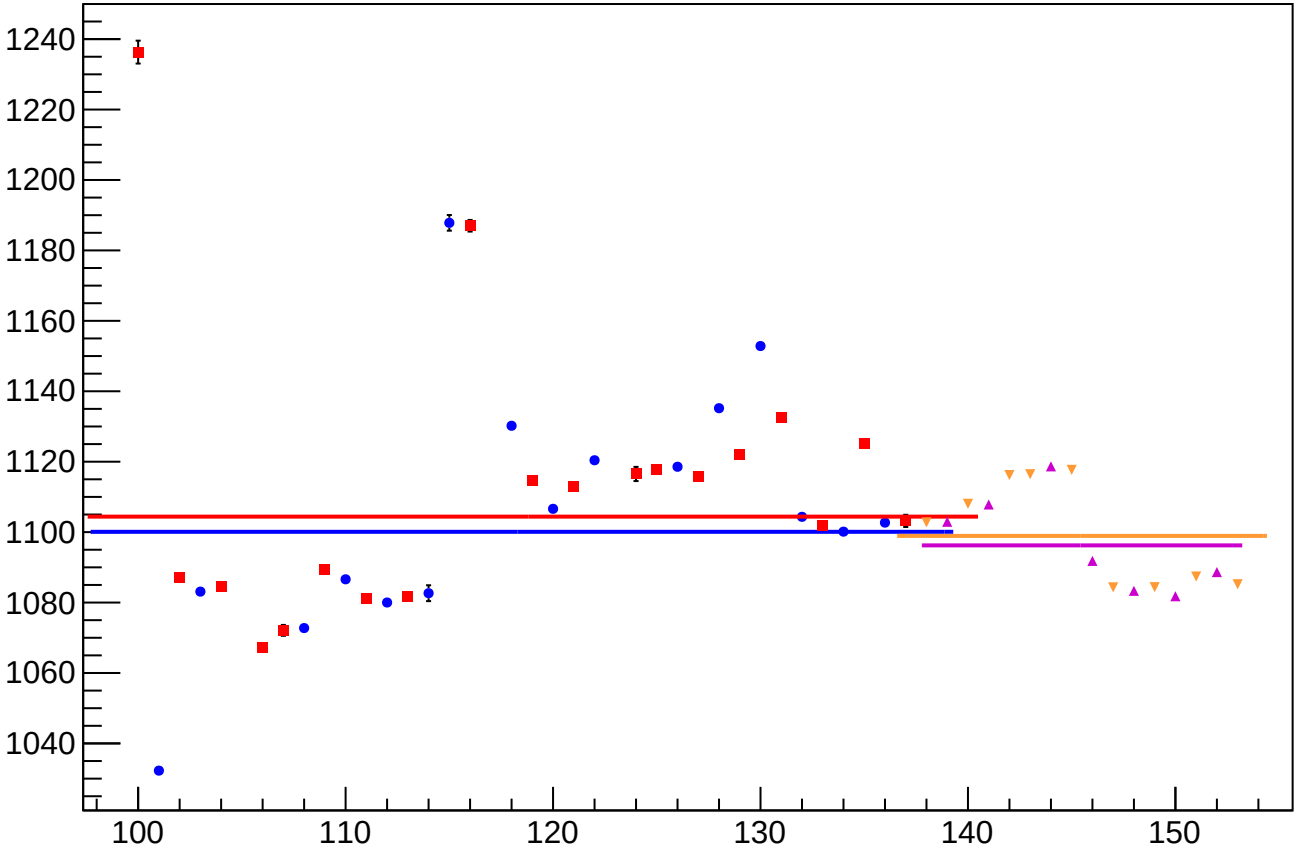
Left In: -2636.211+/-442.453 χ^2/NDF:12.6/6

+ sign 2312.638+/-291.067 χ^2/NDF: 20.0/24

All: 27.457+/-208.173 χ^2/NDF: 173.0/50

- sign -2365.511+/-297.852 χ^2/NDF: 26.8/25

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1098.931+/-0.293 χ^2/NDF:2260.2/8

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

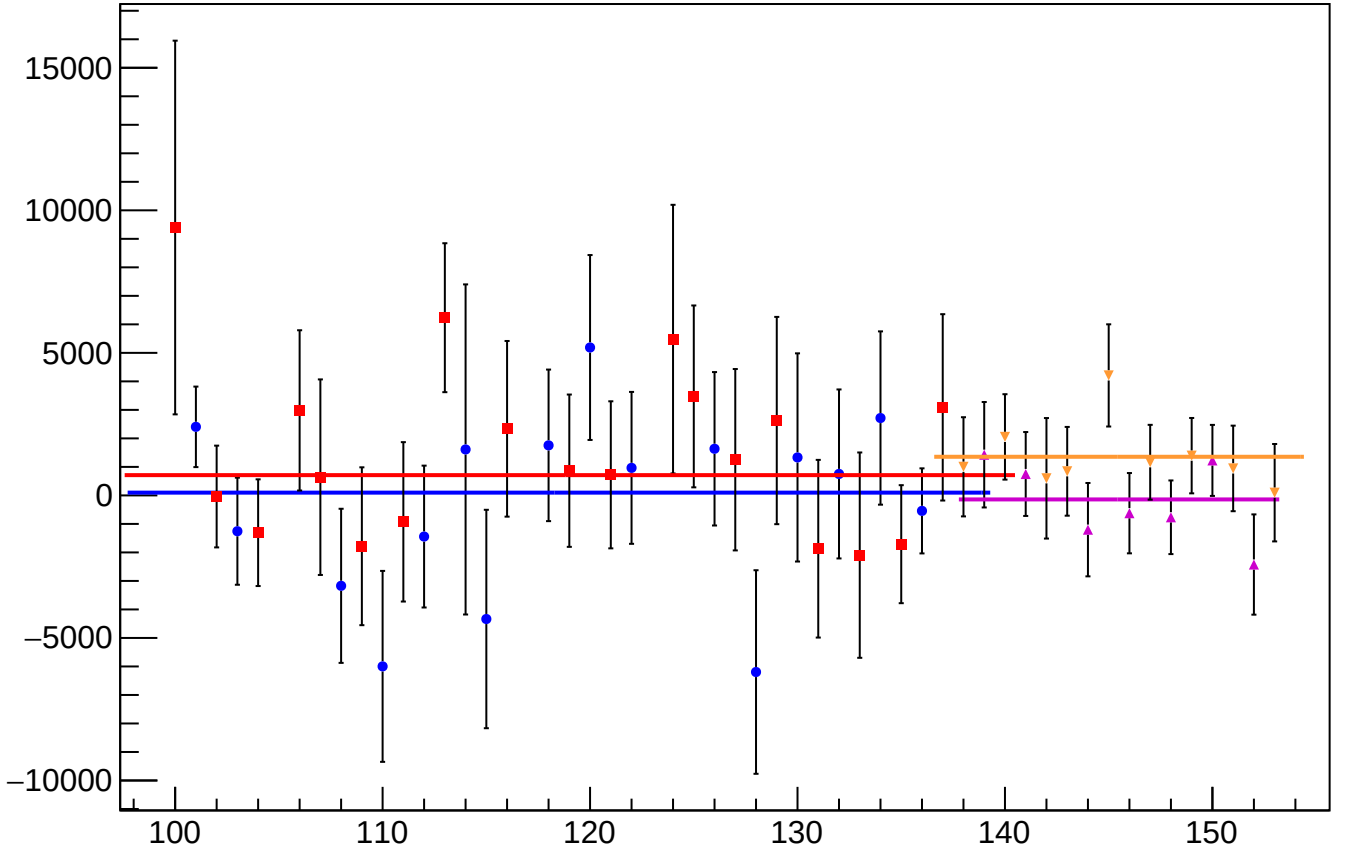
Left In: 1096.235+/-0.313 χ^2/NDF:1654.2/6

+ sign 1099.519+/-0.206 χ^2/NDF: 15345.2/24

All: 1100.096+/-0.147 χ^2/NDF: 25931.7/50

- sign 1100.701+/-0.211 χ^2/NDF: 10570.4/25

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1355.274+/-522.473 χ^2/NDF:3.7/8

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

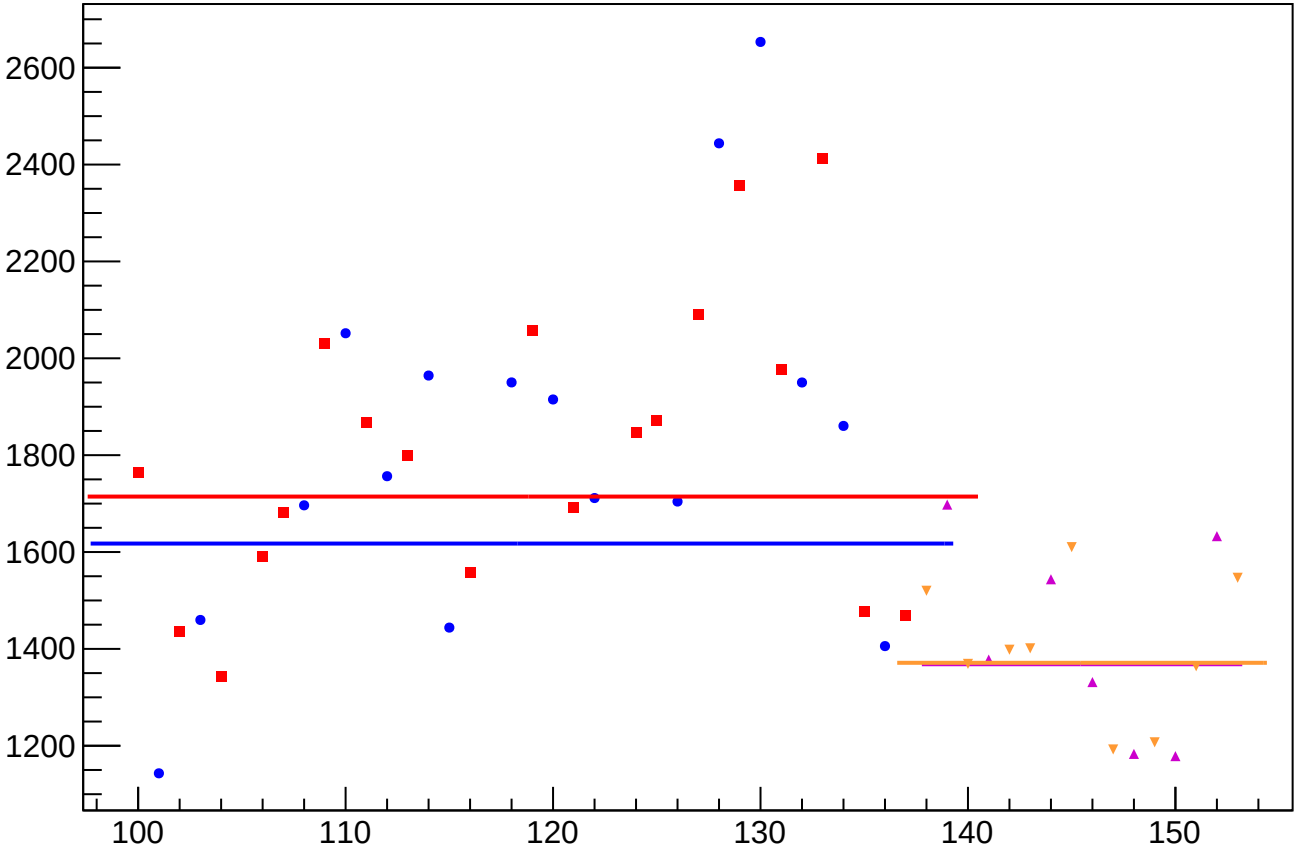
Left In: -141.085+/-559.142 χ^2/NDF:4.8/6

+ sign 831.845+/-399.227 χ^2/NDF: 23.3/24

All: 546.198+/-289.488 χ^2/NDF: 45.1/50

- sign 229.468+/-420.388 χ^2/NDF: 20.7/25

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1371.287+/-0.369 χ^2/NDF:140372.9/8

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

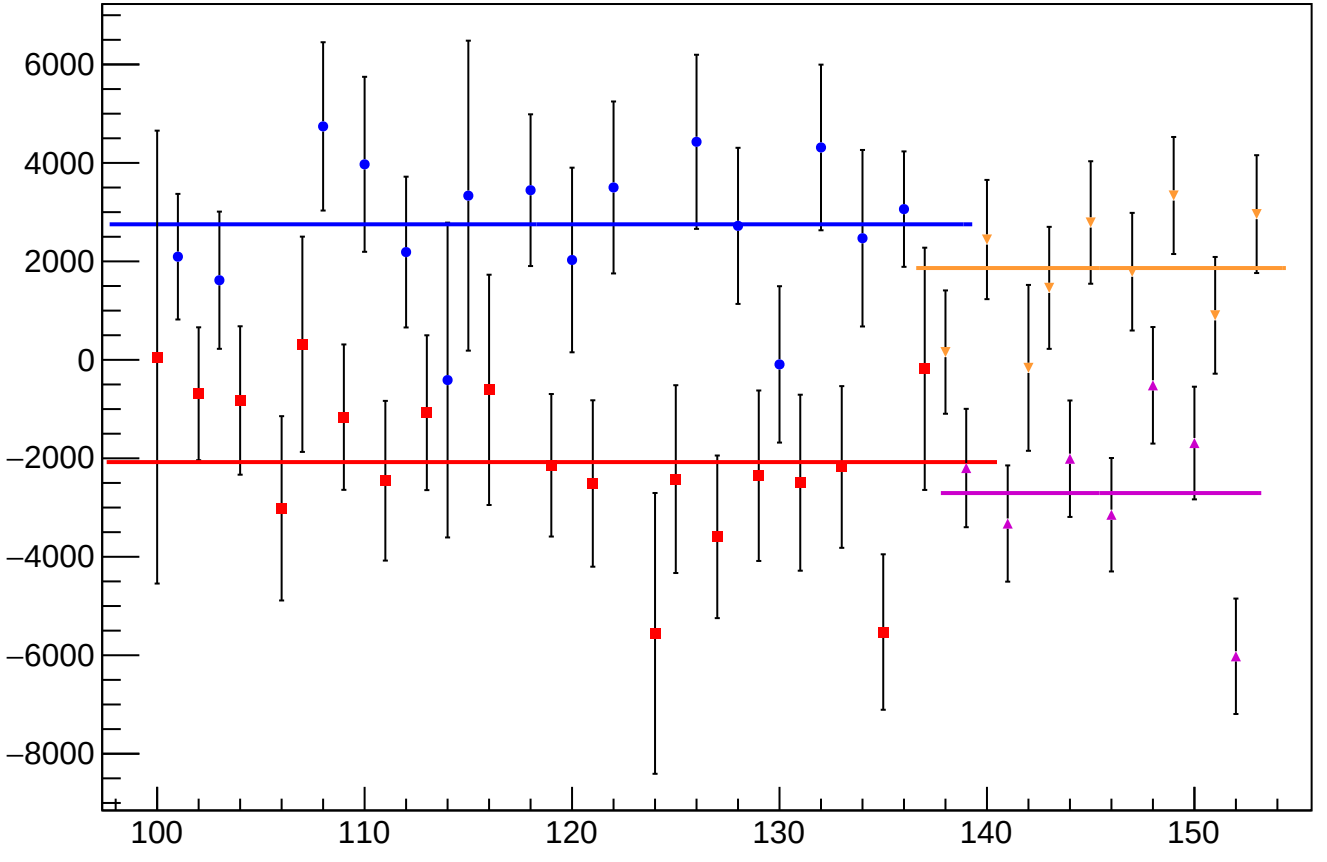
Left In: 1368.314+/-0.395 χ^2/NDF:220647.1/6

+ sign 1473.741+/-0.282 χ^2/NDF: 1016908.6/24

All: 1495.115+/-0.205 χ^2/NDF: 2010661.9/50

- sign 1518.815+/-0.297 χ^2/NDF: 981663.8/25

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1864.798+/-415.685 χ^2/NDF:7.2/8

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

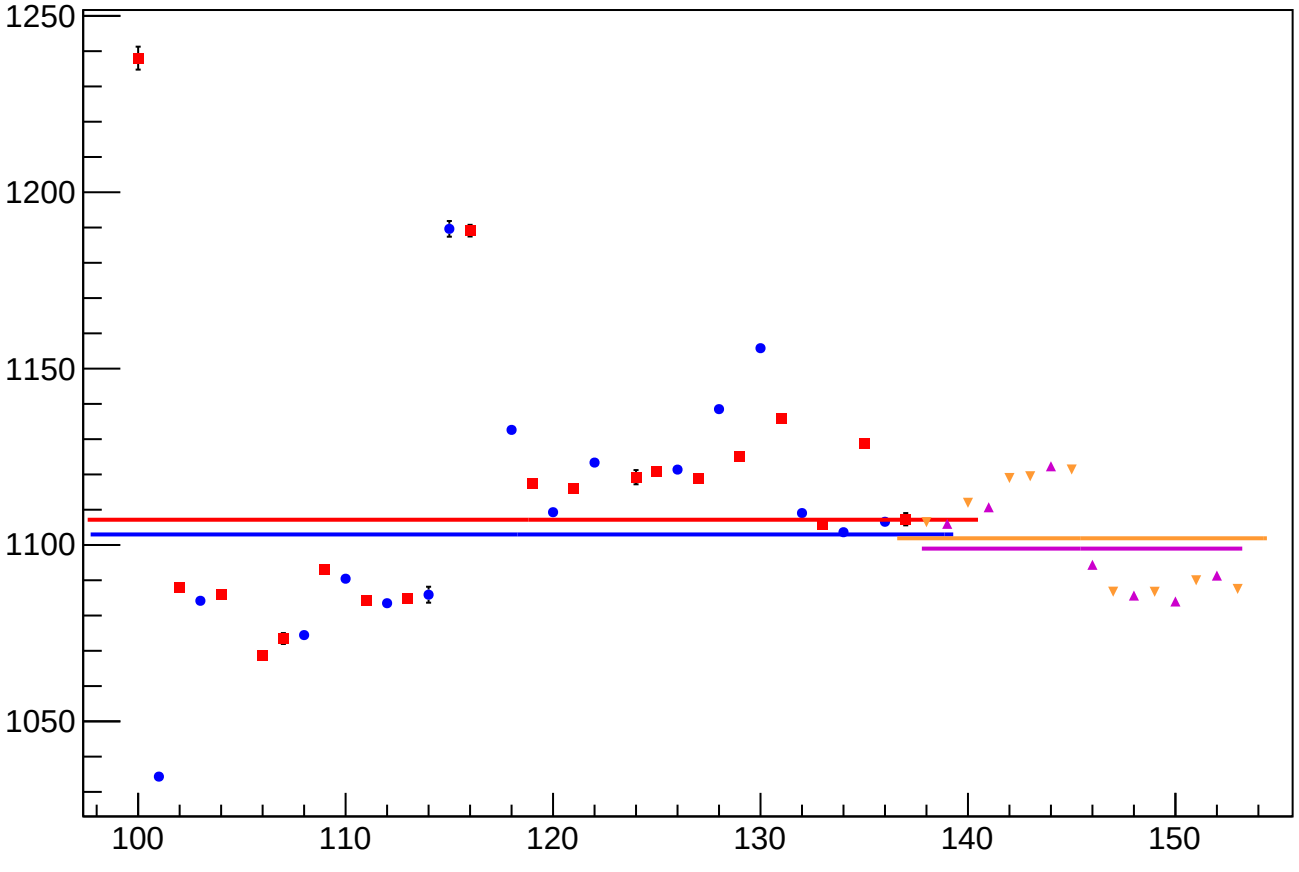
Left In: -2705.599+/-443.560 χ^2/NDF:13.2/6

+ sign 2315.253+/-291.844 χ^2/NDF: 19.0/24

All: 30.318+/-208.712 χ^2/NDF: 171.3/50

- sign -2361.577+/-298.597 χ^2/NDF: 26.8/25

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1101.900+/-0.294 χ^2/NDF:2401.0/8

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

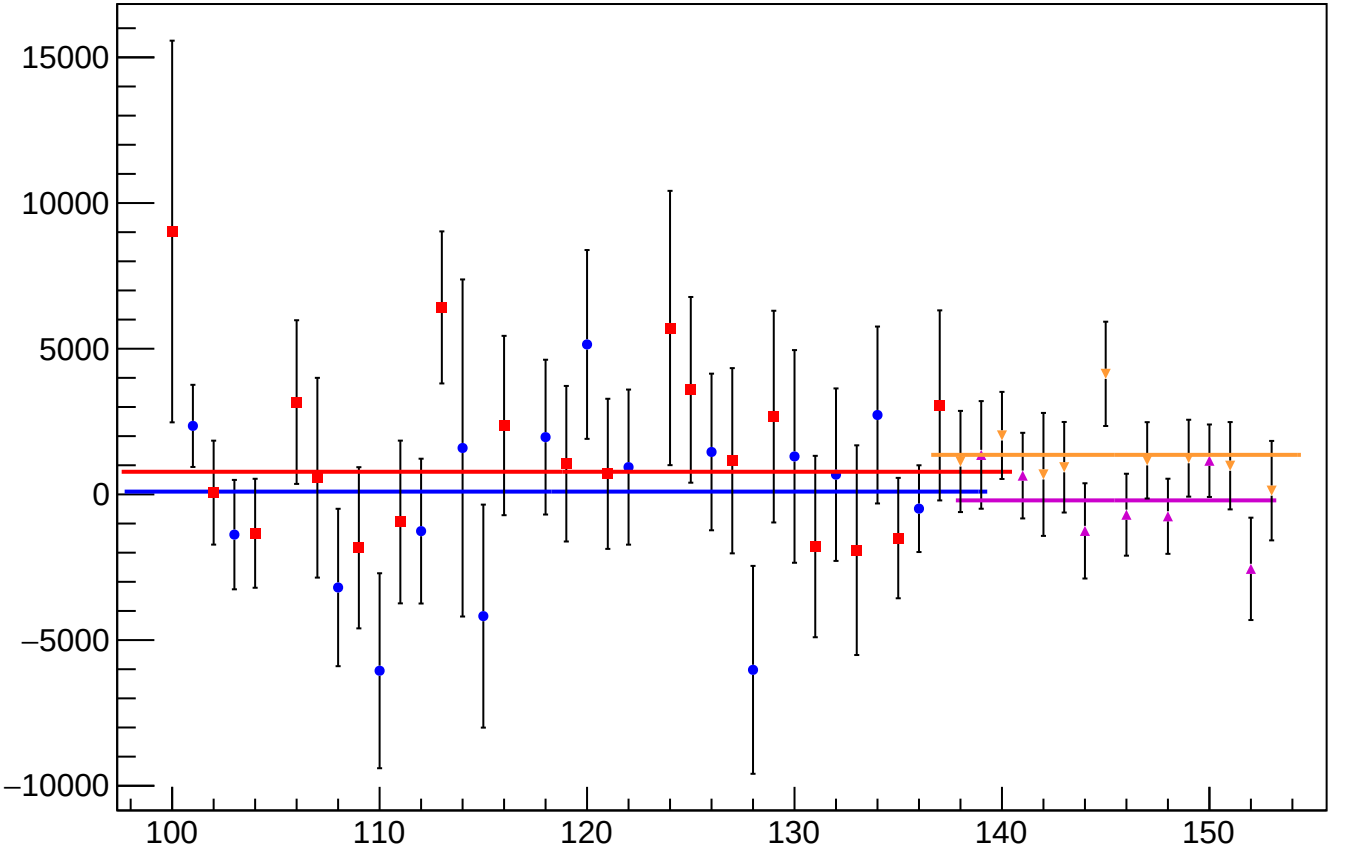
Left In: 1098.974+/-0.314 χ^2/NDF:1757.4/6

+ sign 1102.451+/-0.206 χ^2/NDF: 15631.7/24

All: 1102.939+/-0.148 χ^2/NDF: 26456.3/50

- sign 1103.450+/-0.211 χ^2/NDF: 10813.2/25

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1357.514+/-521.563 χ^2/NDF:3.4/8

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

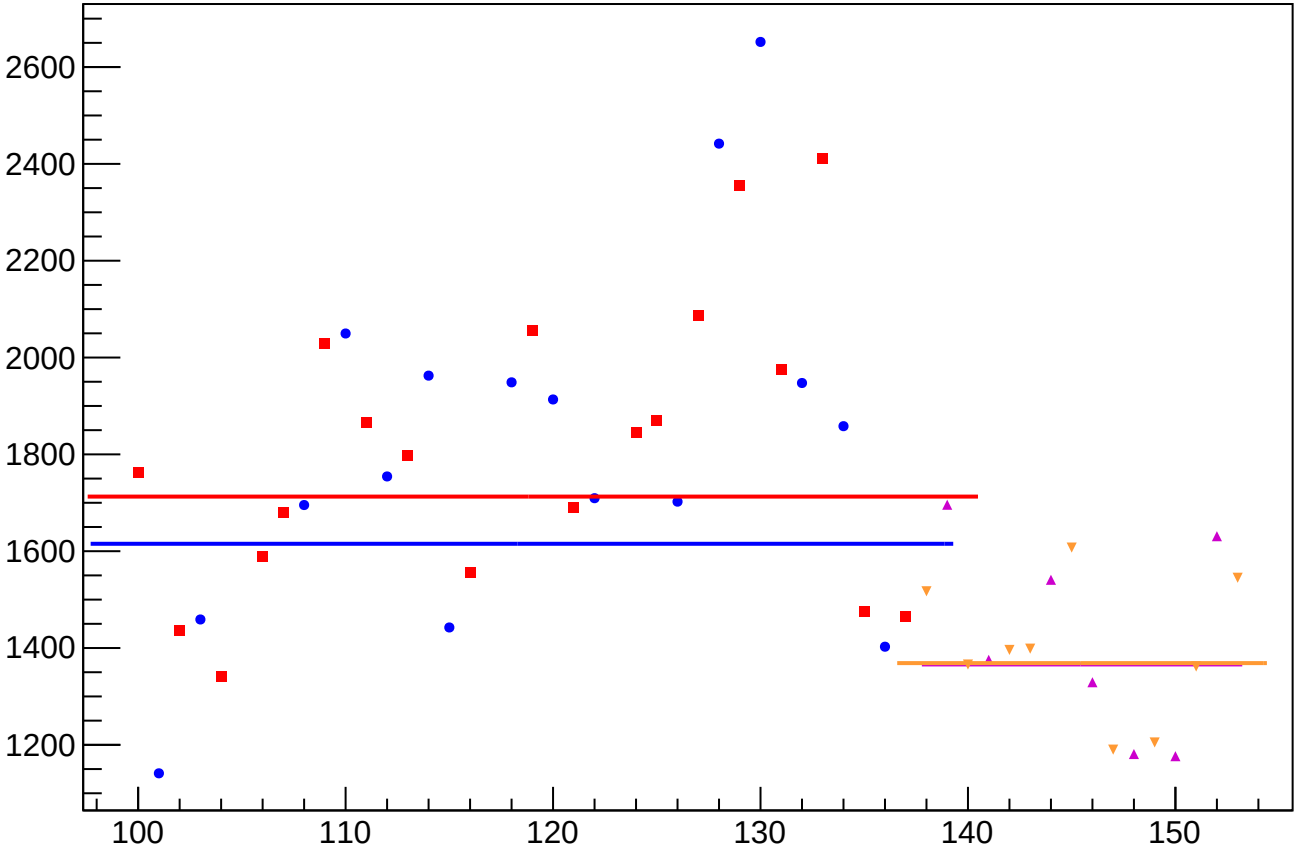
Left In: -205.085+/-558.250 χ^2/NDF:4.7/6

\+ sign 832.830+/-398.612 χ^2/NDF: 22.8/24

All: 543.030+/-289.071 χ^2/NDF: 45.1/50

\- sign 221.556+/-419.831 χ^2/NDF: 21.2/25

asym_usr_eigen_cor_correction_rms vs Slug



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Left Out: 1368.850+/-0.369 χ^2/NDF:140711.9/8

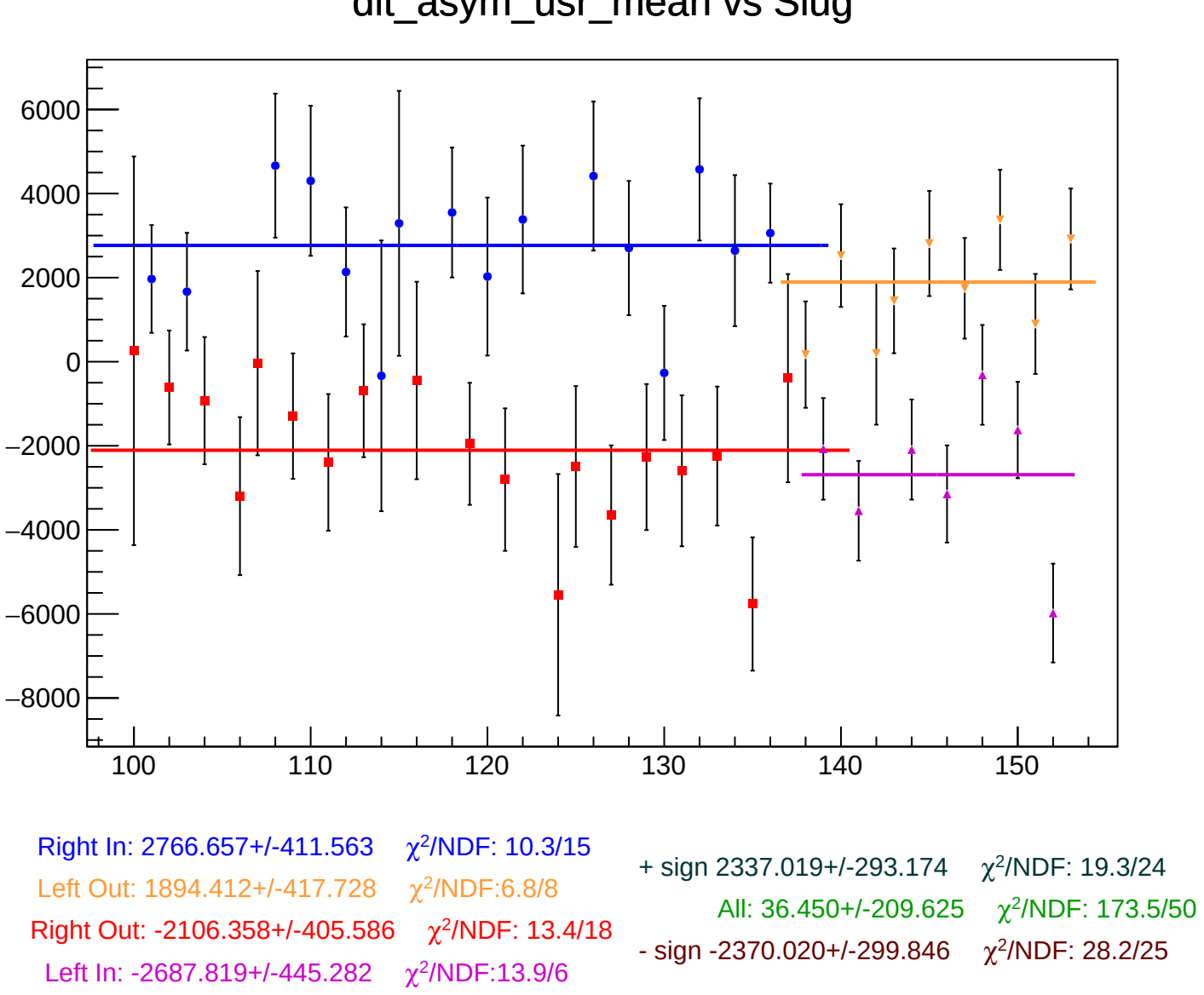
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1366.077+/-0.395 χ^2/NDF:221257.4/6

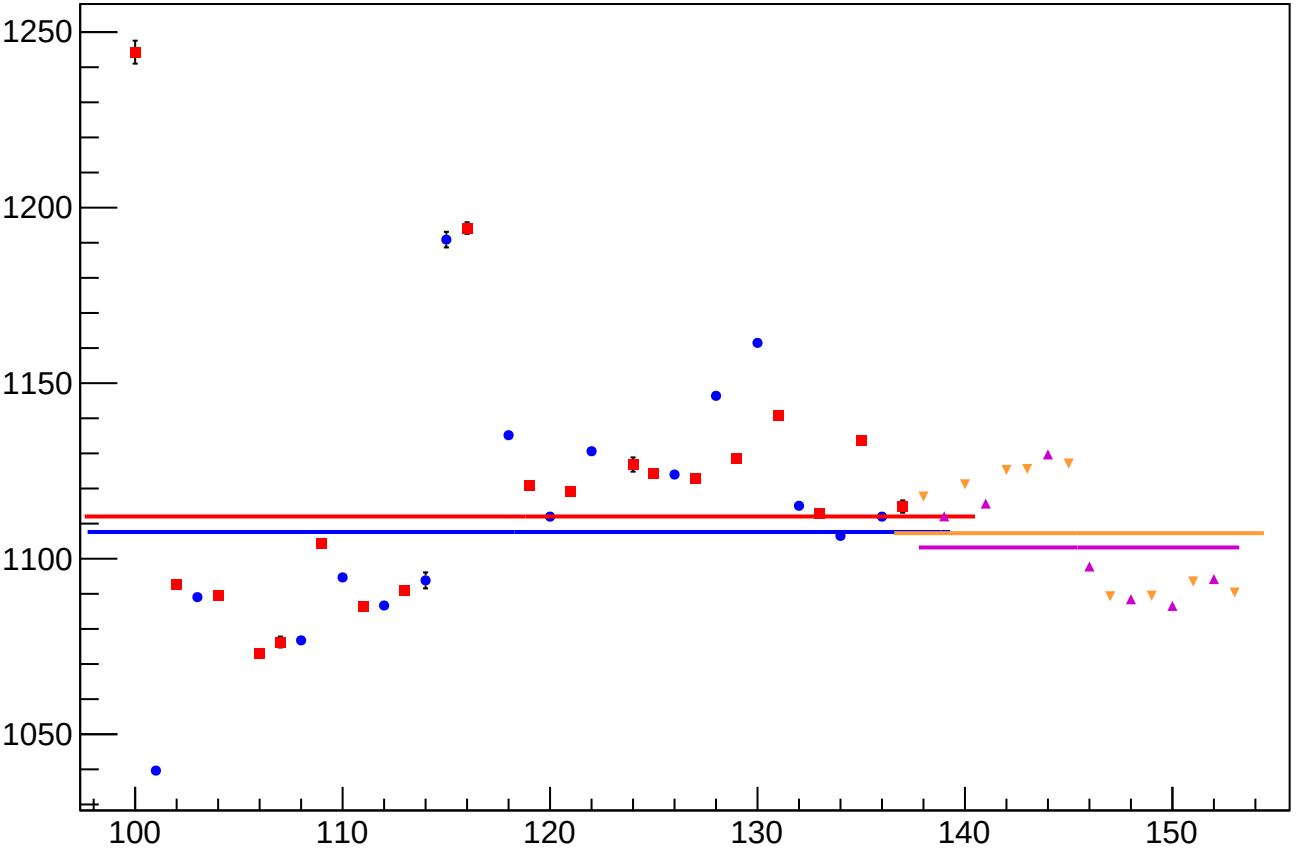
+ sign 1471.355+/-0.282 χ^2/NDF: 1020087.1/24

All: 1492.854+/-0.204 χ^2/NDF: 2016836.7/50

- sign 1516.701+/-0.297 χ^2/NDF: 984478.9/25


dit_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 1894.412+/-417.728 χ²/NDF:6.8/8
Right Out: -2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: -2687.819+/-445.282 χ²/NDF:13.9/6
+ sign 2337.019+/-293.174 χ²/NDF: 19.3/24
All: 36.450+/-209.625 χ²/NDF: 173.5/50
- sign -2370.020+/-299.846 χ²/NDF: 28.2/25

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1107.278+/-0.295 χ^2/NDF:3119.0/8

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

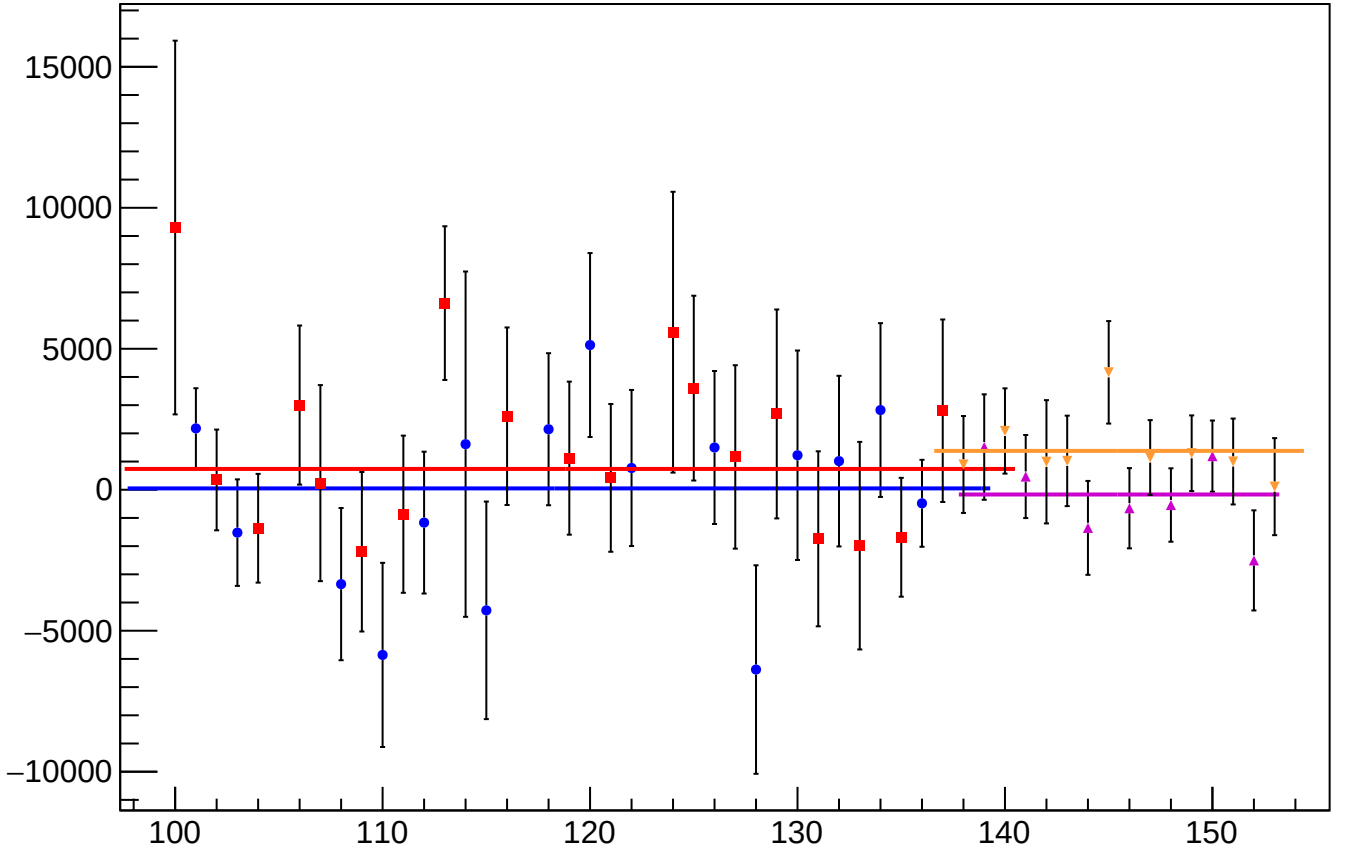
Left In: 1103.202+/-0.315 χ^2/NDF:2212.6/6

+ sign 1107.448+/-0.207 χ^2/NDF: 16340.5/24

All: 1107.731+/-0.148 χ^2/NDF: 27639.9/50

- sign 1108.027+/-0.212 χ^2/NDF: 11295.6/25

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1378.027+/-529.336 χ^2/NDF:3.4/8

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

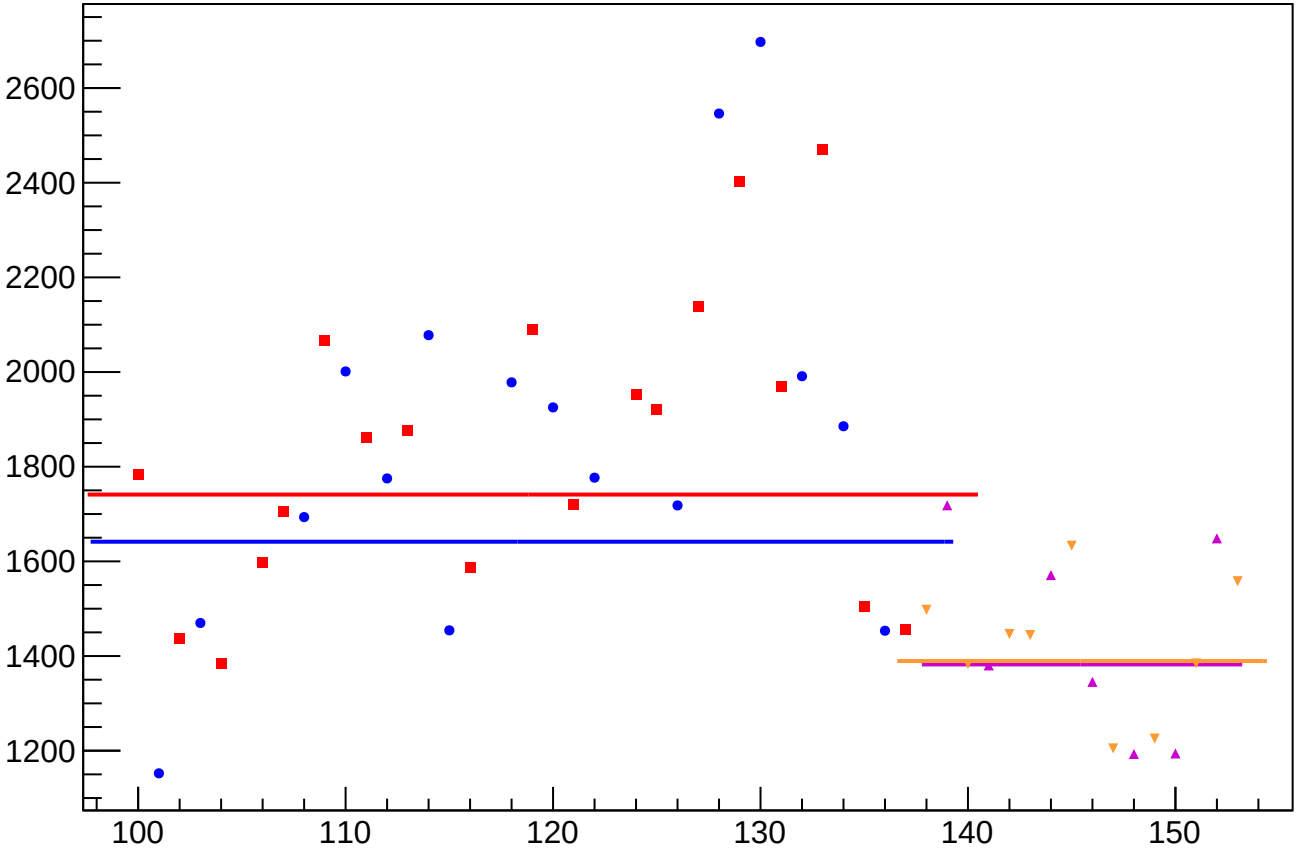
Left In: -168.190+/-564.685 χ^2/NDF:4.6/6

+ sign 825.568+/-404.754 χ^2/NDF: 22.9/24

All: 539.522+/-293.318 χ^2/NDF: 44.6/50

- sign 223.160+/-425.663 χ^2/NDF: 20.7/25

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1389.404+/-0.374 χ^2/NDF:135404.8/8

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

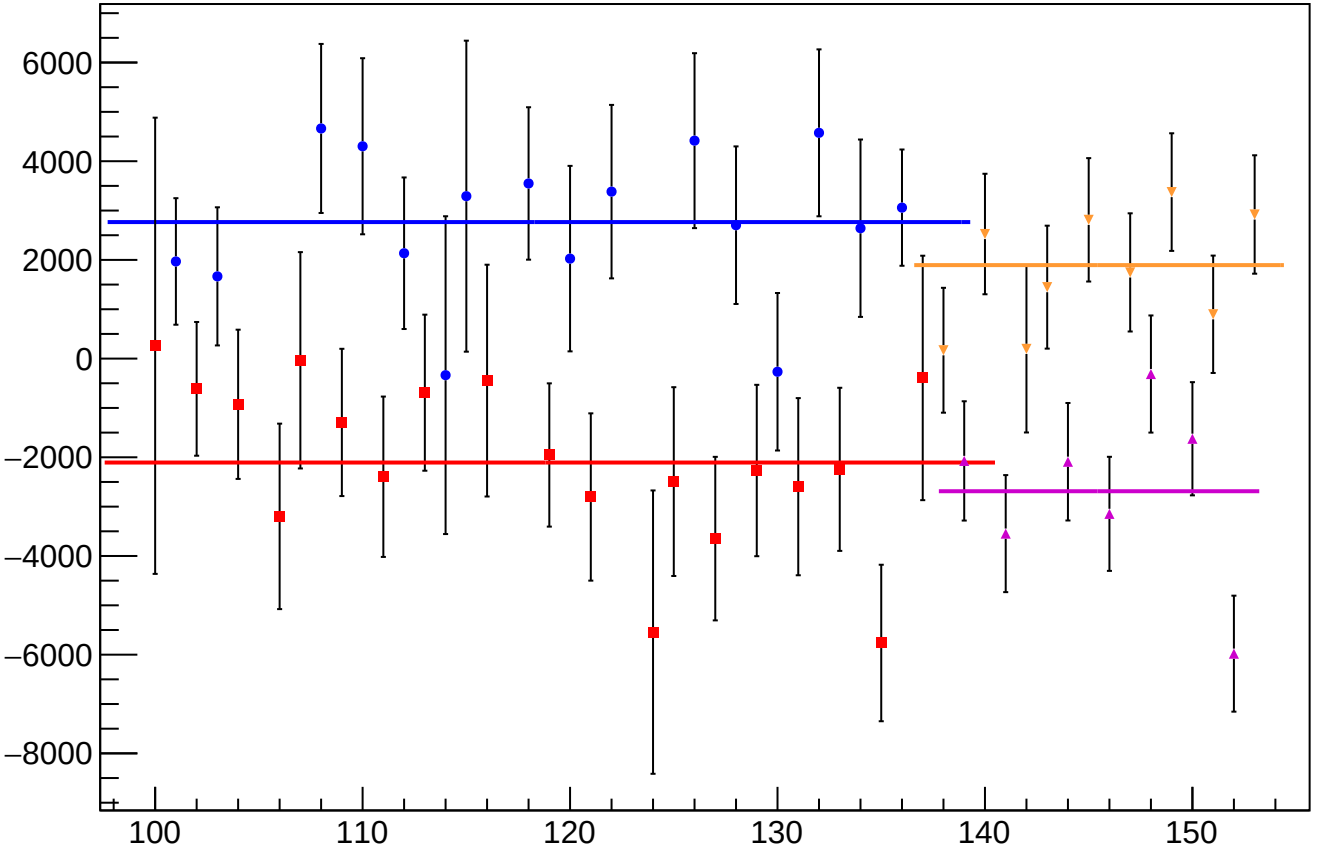
Left In: 1382.296+/-0.399 χ^2/NDF:223330.2/6

+ sign 1494.119+/-0.286 χ^2/NDF: 1025172.6/24

All: 1514.605+/-0.207 χ^2/NDF: 2046472.7/50

- sign 1537.262+/-0.301 χ^2/NDF: 1010510.6/25

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1894.413+/-417.728 χ^2/NDF:6.8/8

Right Out: -2106.360+/-405.586 χ^2/NDF: 13.4/18

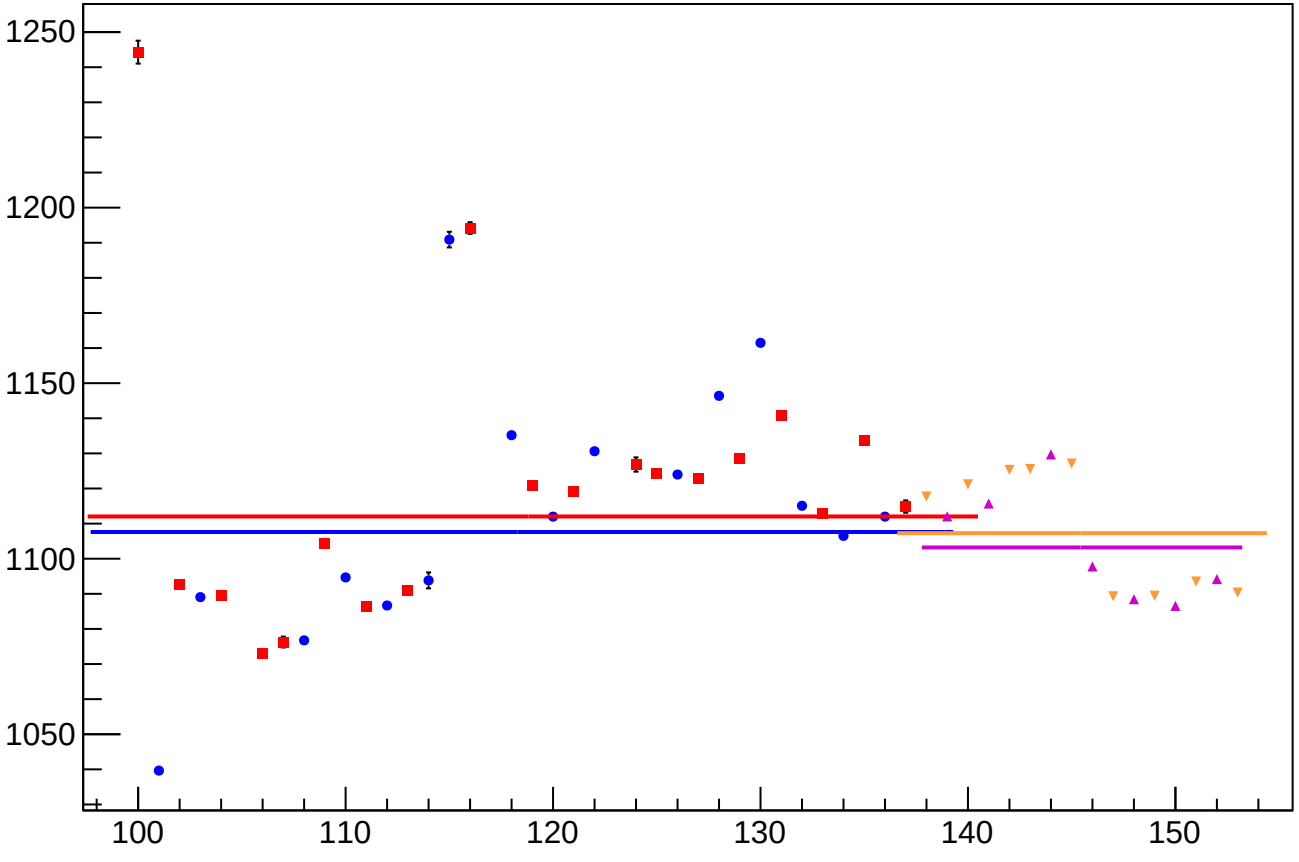
Left In: -2687.820+/-445.282 χ^2/NDF:13.9/6

+ sign 2337.019+/-293.174 χ^2/NDF: 19.3/24

All: 36.449+/-209.625 χ^2/NDF: 173.5/50

- sign -2370.022+/-299.846 χ^2/NDF: 28.2/25

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1107.278+/-0.295 χ^2/NDF:3119.0/8

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

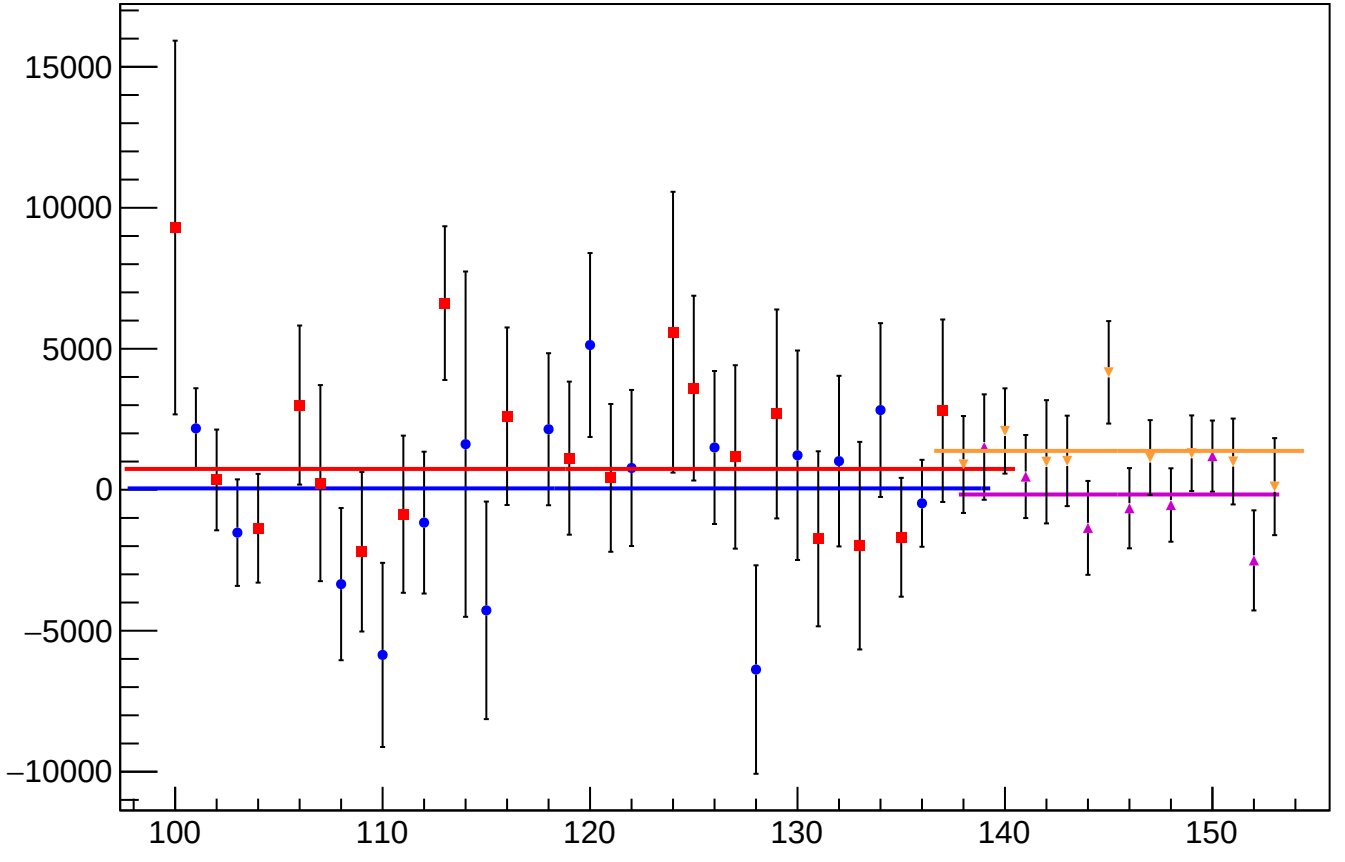
Left In: 1103.202+/-0.315 χ^2/NDF:2212.6/6

+ sign 1107.448+/-0.207 χ^2/NDF: 16340.4/24

All: 1107.731+/-0.148 χ^2/NDF: 27639.8/50

- sign 1108.027+/-0.212 χ^2/NDF: 11295.6/25

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1378.027+/-529.337 χ^2/NDF:3.4/8

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

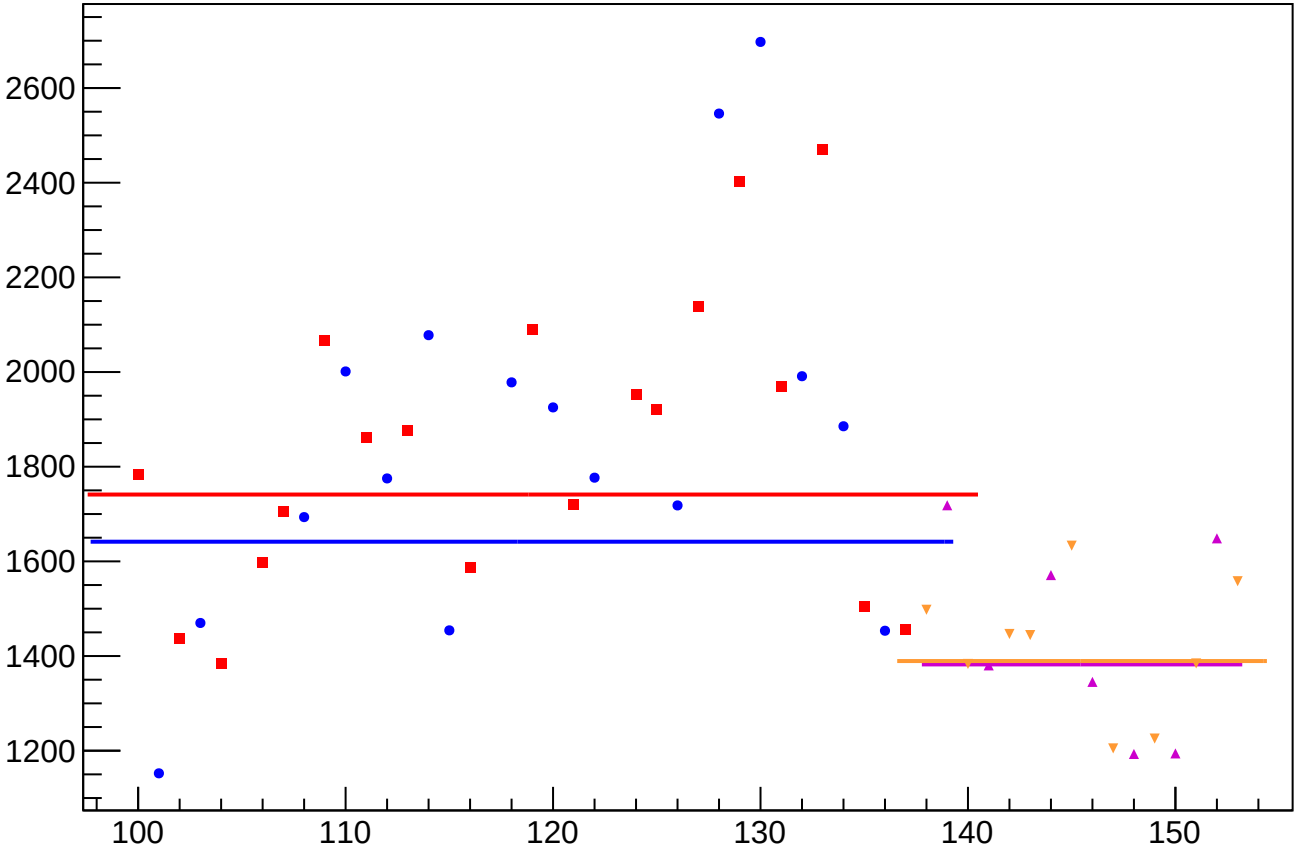
Left In: -168.191+/-564.686 χ^2/NDF:4.6/6

\+ sign 825.564+/-404.755 χ^2/NDF: 22.9/24

All: 539.521+/-293.318 χ^2/NDF: 44.6/50

\- sign 223.162+/-425.664 χ^2/NDF: 20.7/25

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1389.406+/-0.374 χ^2/NDF:135407.3/8

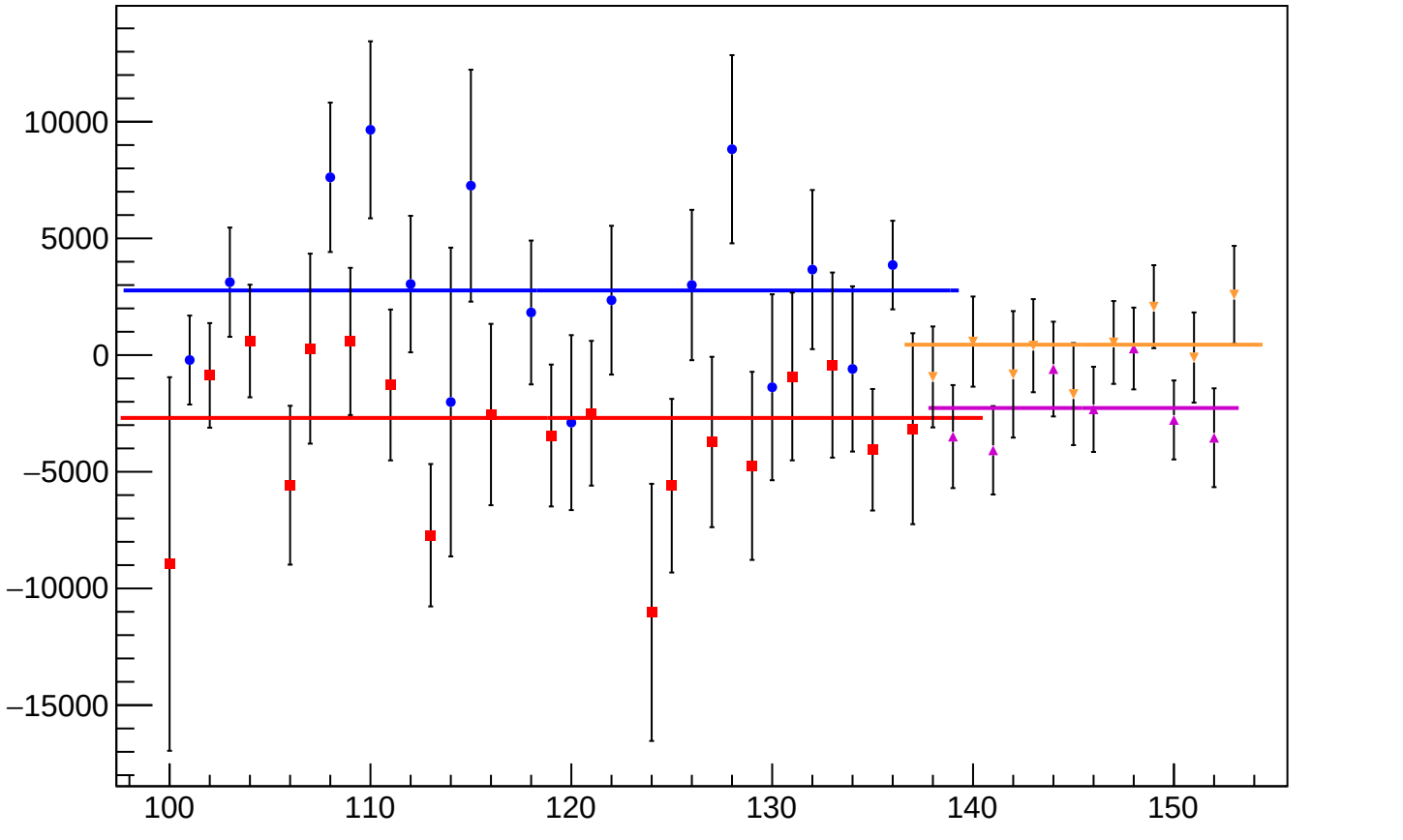
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1382.299+/-0.399 χ^2/NDF:223333.7/6

+ sign 1494.121+/-0.286 χ^2/NDF: 1025155.5/24

All: 1514.606+/-0.207 χ^2/NDF: 2046438.9/50

- sign 1537.263+/-0.301 χ^2/NDF: 1010493.7/25



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 446.259+/-672.859 χ^2/NDF:3.5/8

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

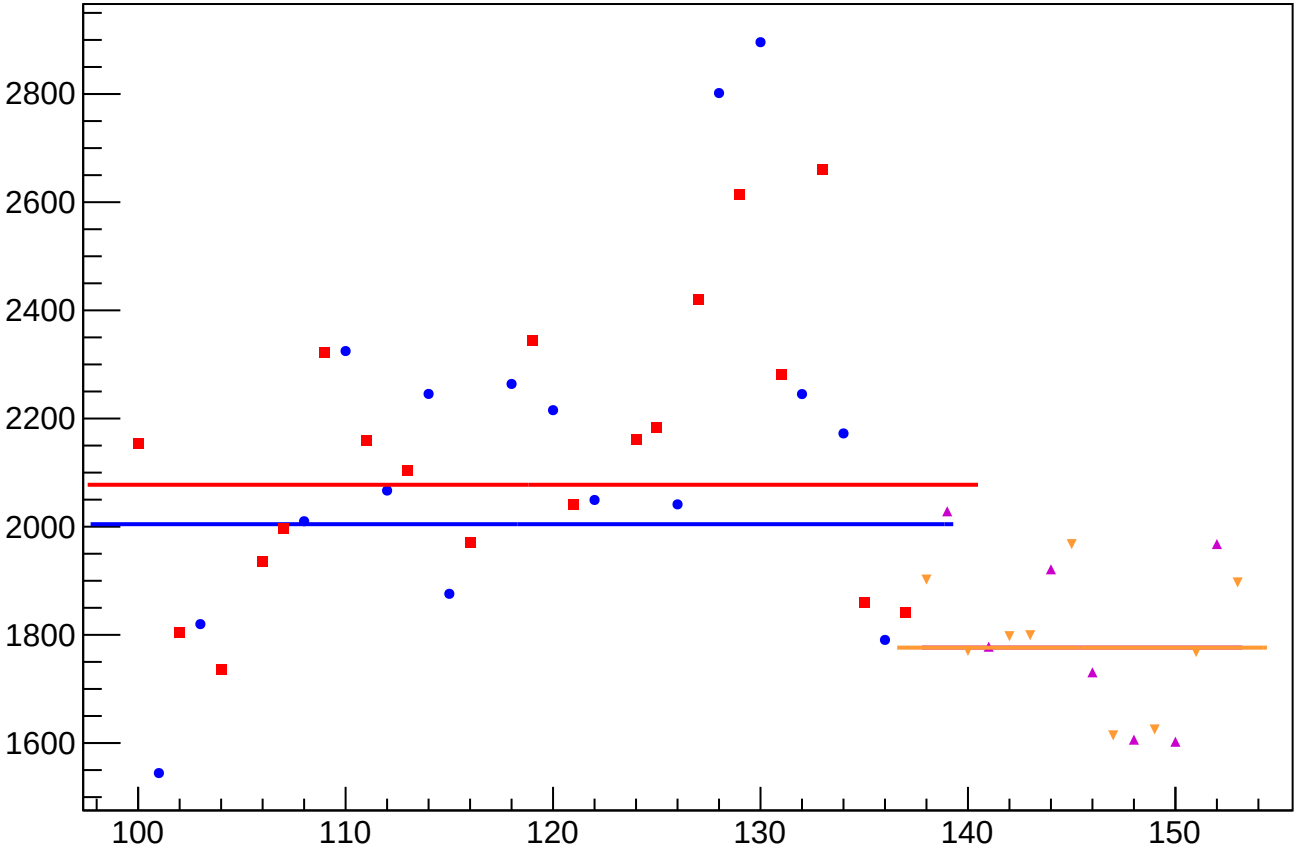
Left In: -2268.217+/-720.712 χ^2/NDF:4.5/6

+ sign 1471.673+/-502.943 χ^2/NDF: 25.3/24

All: -414.131+/-363.123 χ^2/NDF: 71.8/50

- sign -2467.573+/-524.822 χ^2/NDF: 17.2/25

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1776.379+/-0.476 χ^2/NDF:60349.5/8

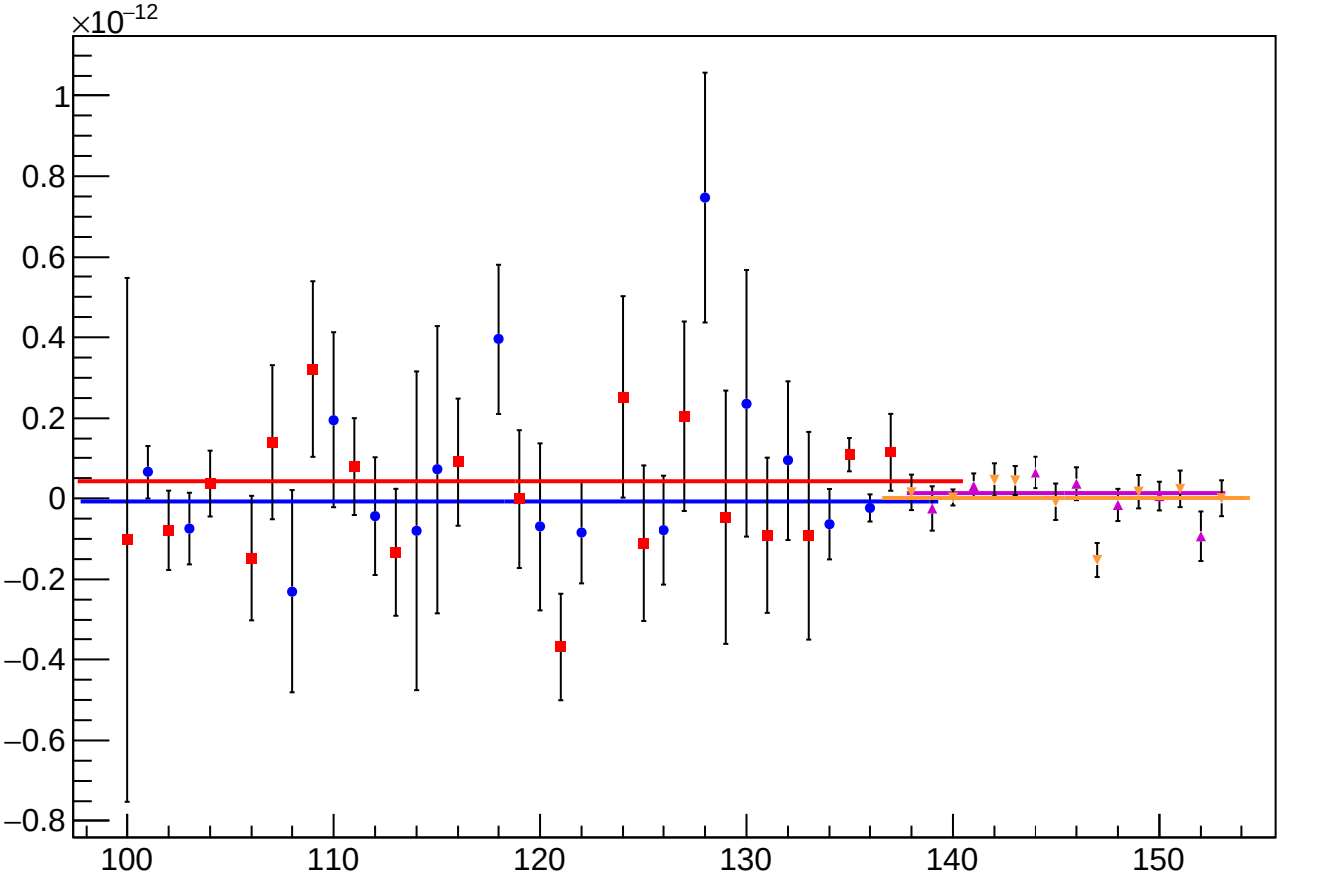
Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1776.534+/-0.510 χ^2/NDF:93901.0/6

+ sign 1877.106+/-0.356 χ^2/NDF: 549482.1/24

All: 1896.638+/-0.257 χ^2/NDF: 1043994.0/50

- sign 1917.906+/-0.371 χ^2/NDF: 488211.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/8

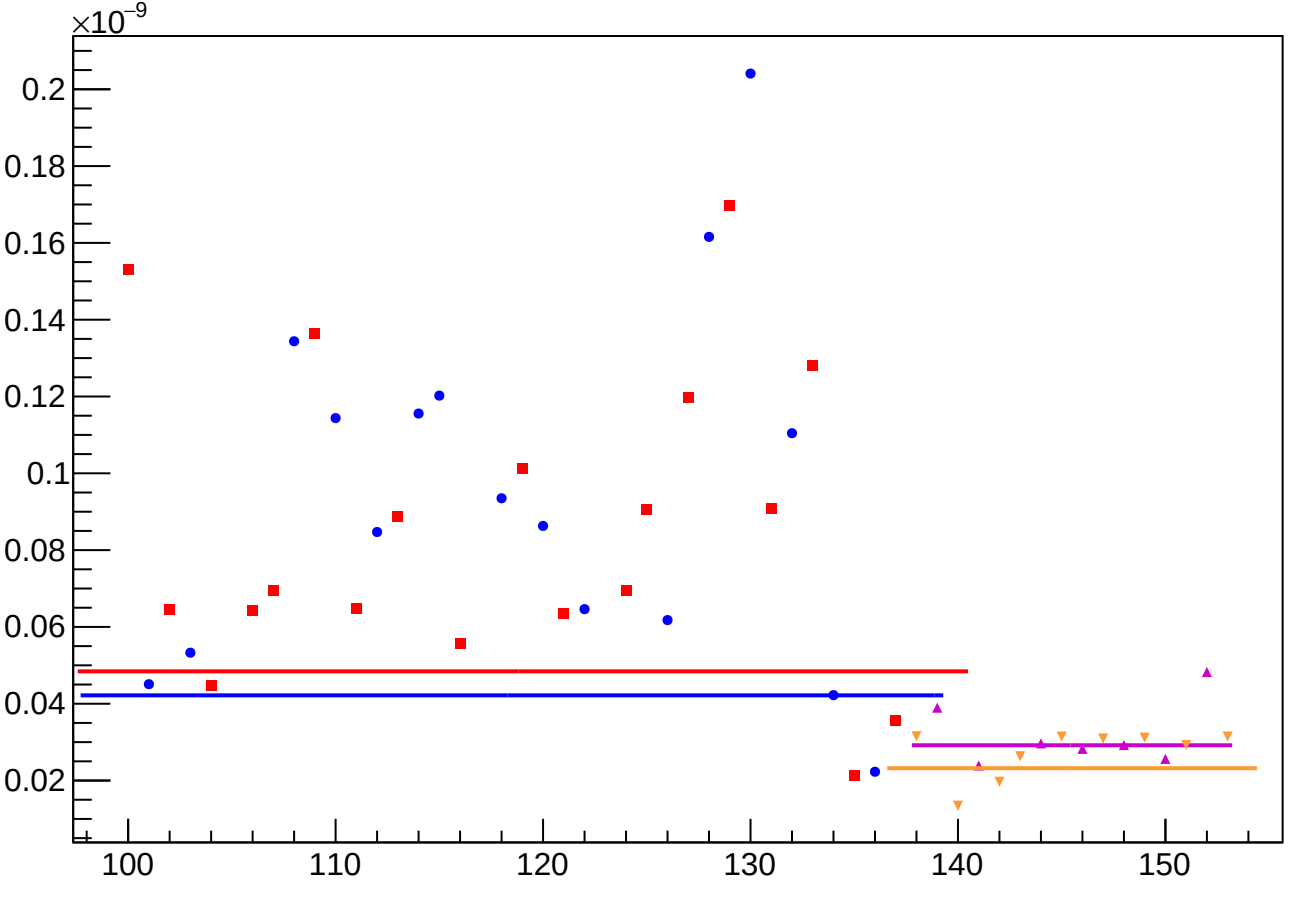
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 33.0/24

All: 0.000+/-0.000 χ^2/NDF: 63.6/50

- sign 0.000+/-0.000 χ^2/NDF: 29.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:904249.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

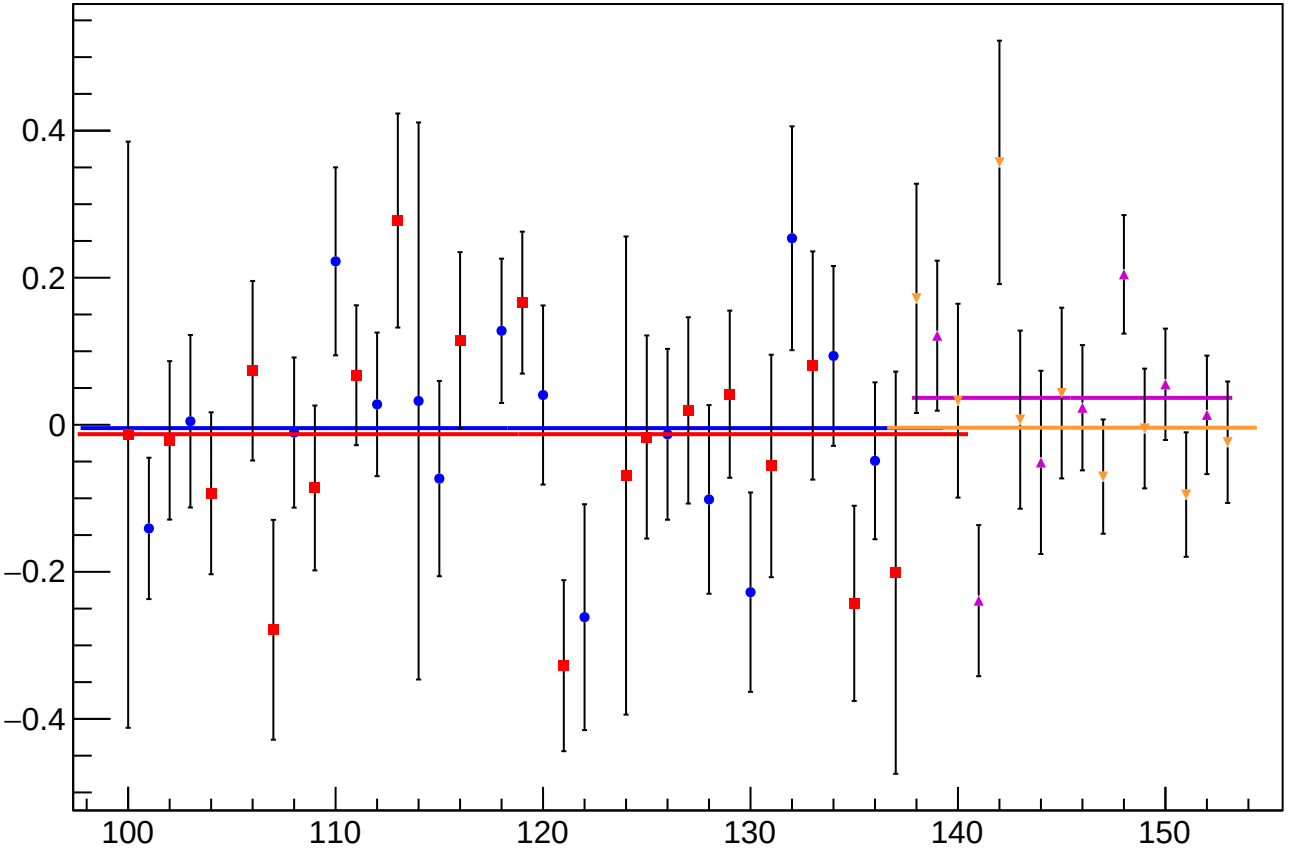
Left In: 0.000+/-0.000 χ^2/NDF:336017.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 4822542.0/24

All: 0.000+/-0.000 χ^2/NDF: 8867995.1/50

- sign 0.000+/-0.000 χ^2/NDF: 3710942.9/25

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.034 χ^2/NDF:8.2/8

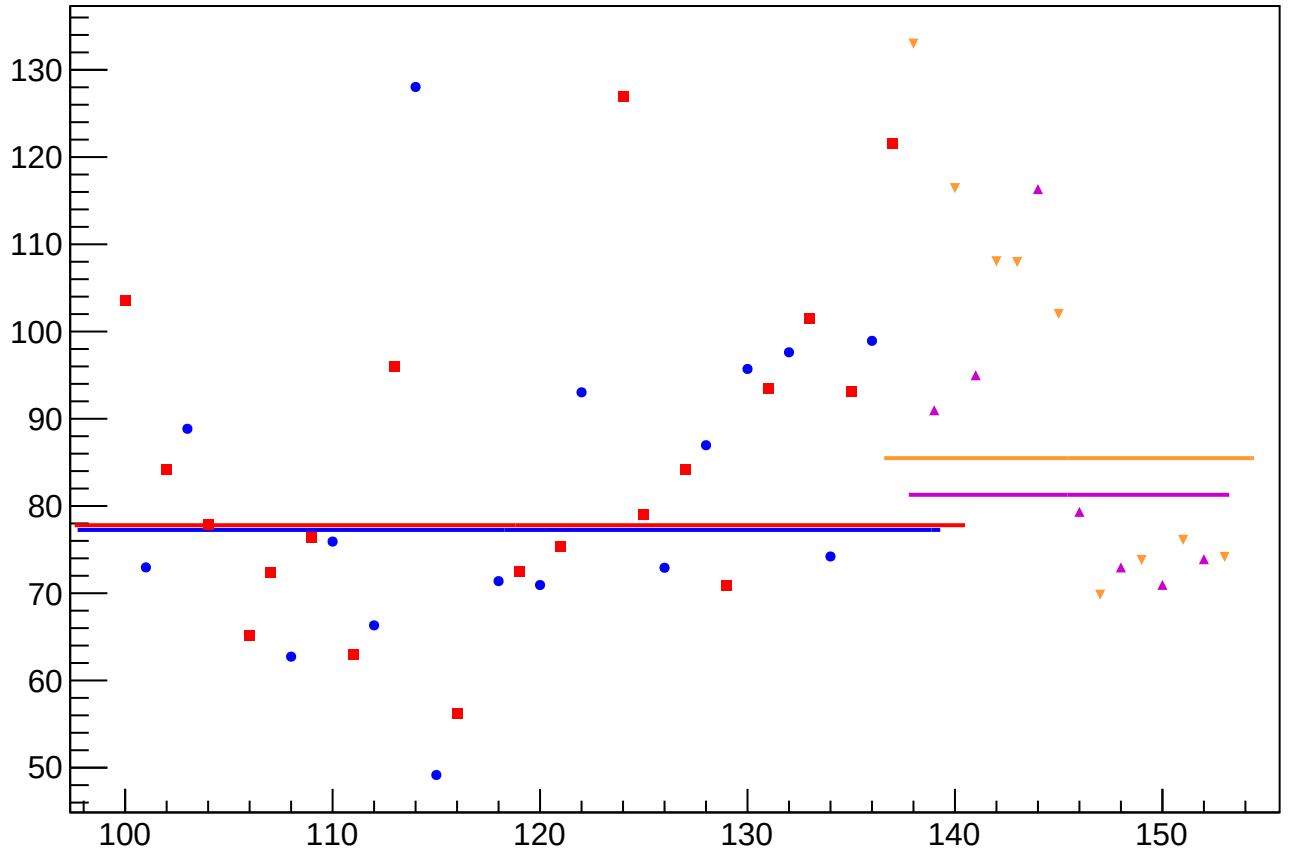
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.037+/-0.034 χ^2/NDF:12.9/6

+ sign -0.004+/-0.022 χ^2/NDF: 25.5/24

All: 0.002+/-0.016 χ^2/NDF: 65.3/50

- sign 0.009+/-0.022 χ^2/NDF: 39.6/25



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 85.486+/-0.024 χ^2/NDF:627084.1/8

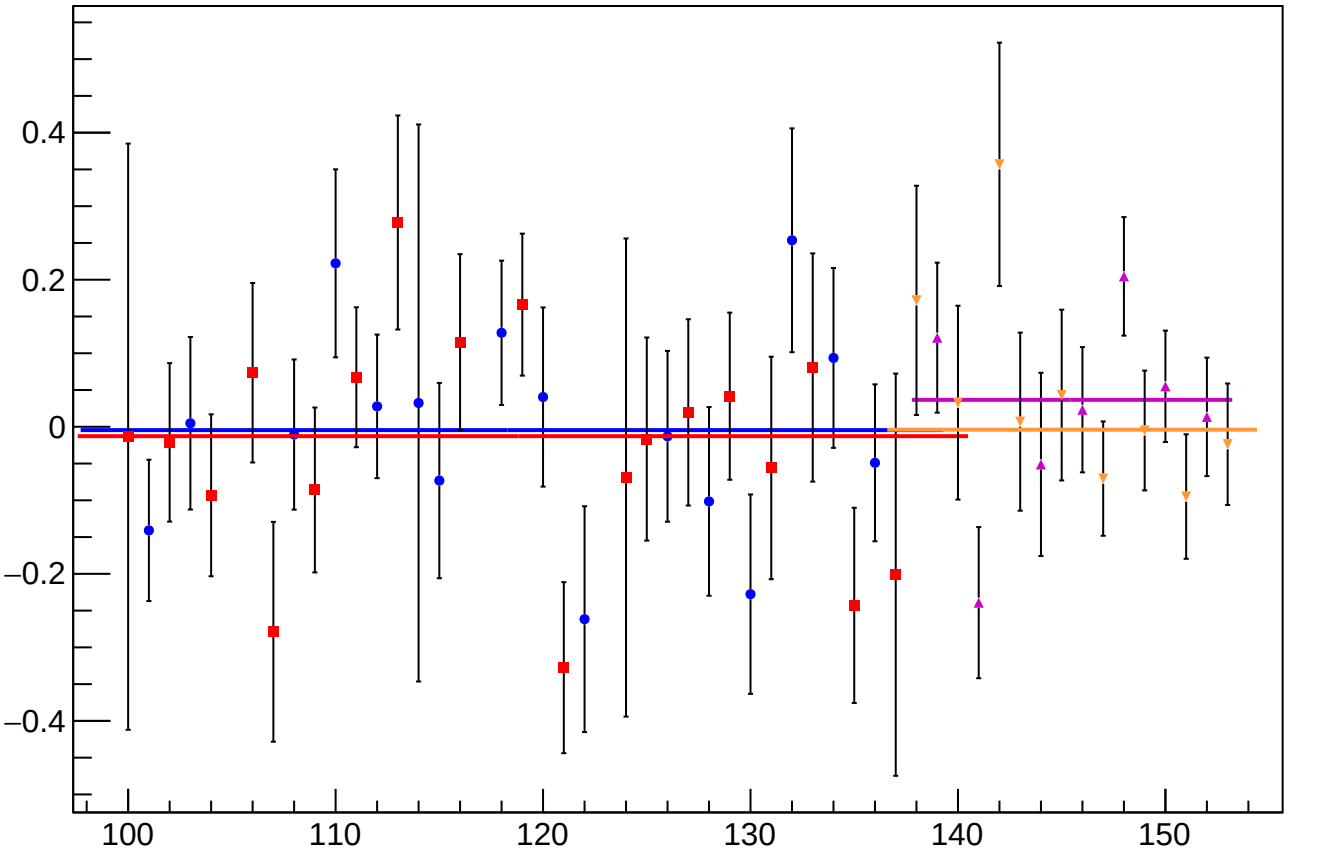
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 81.286+/-0.024 χ^2/NDF:288123.3/6

+ sign 80.902+/-0.016 χ^2/NDF: 1112764.7/24

All: 80.106+/-0.011 χ^2/NDF: 1814397.0/50

- sign 79.318+/-0.016 χ^2/NDF: 696619.1/25



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.034 χ^2/NDF:8.2/8

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

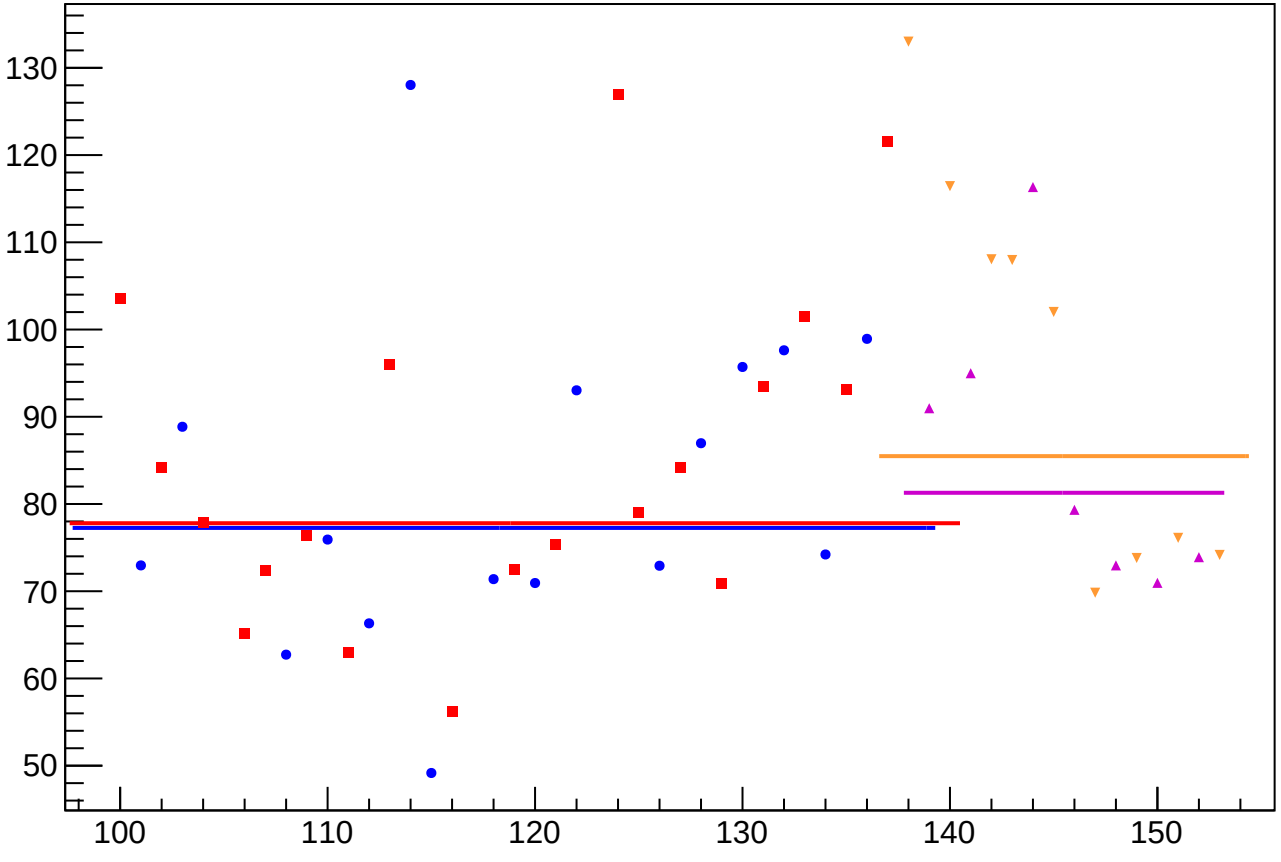
Left In: 0.037+/-0.034 χ^2/NDF:12.9/6

+ sign -0.004+/-0.022 χ^2/NDF: 25.5/24

All: 0.002+/-0.016 χ^2/NDF: 65.3/50

- sign 0.009+/-0.022 χ^2/NDF: 39.6/25

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 85.486+/-0.024 χ^2/NDF:627084.1/8

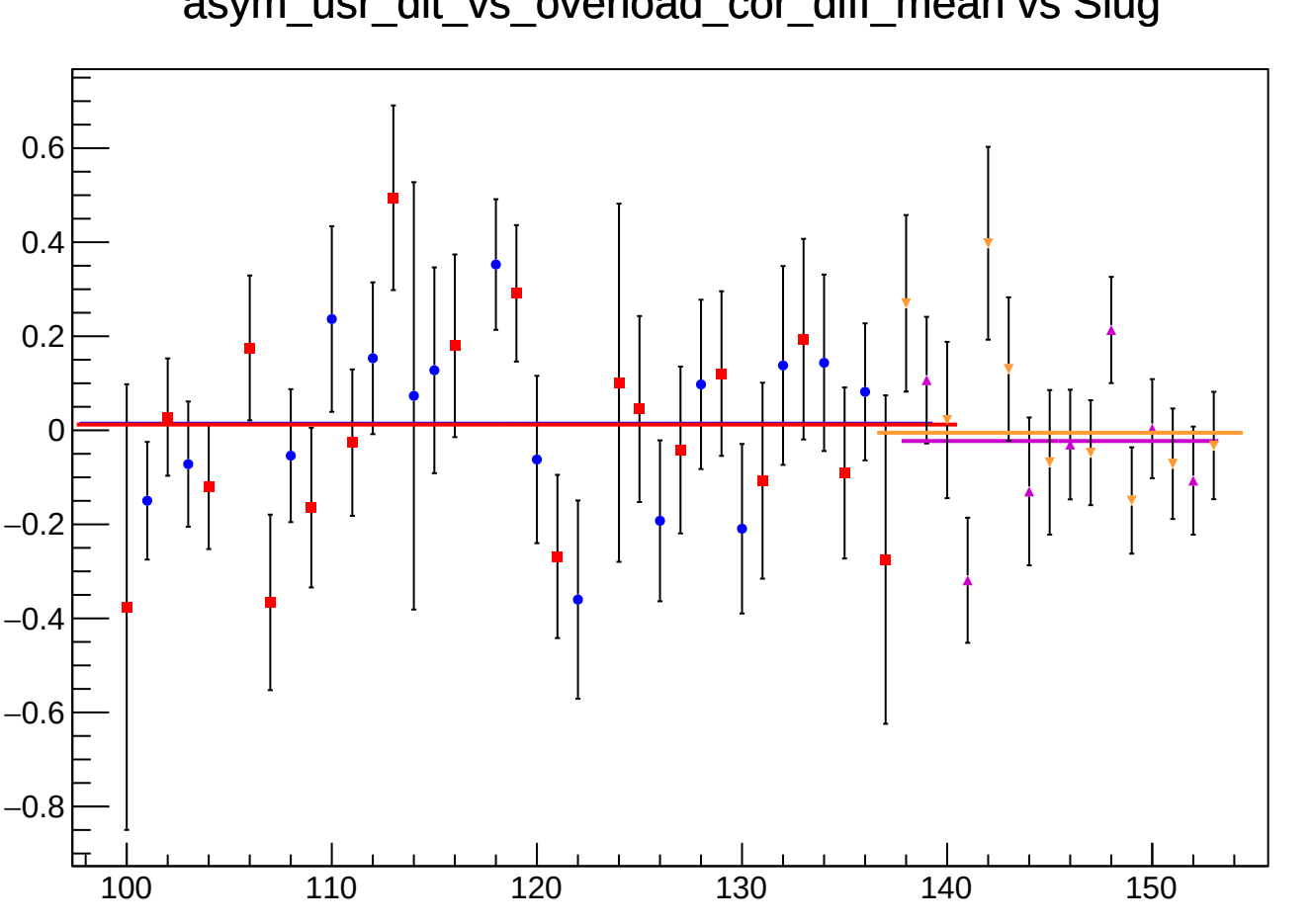
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 81.286+/-0.024 χ^2/NDF:288123.3/6

+ sign 80.902+/-0.016 χ^2/NDF: 1112764.7/24

All: 80.106+/-0.011 χ^2/NDF: 1814397.0/50

- sign 79.318+/-0.016 χ^2/NDF: 696619.1/25



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.005+/-0.046 χ^2/NDF:9.1/8

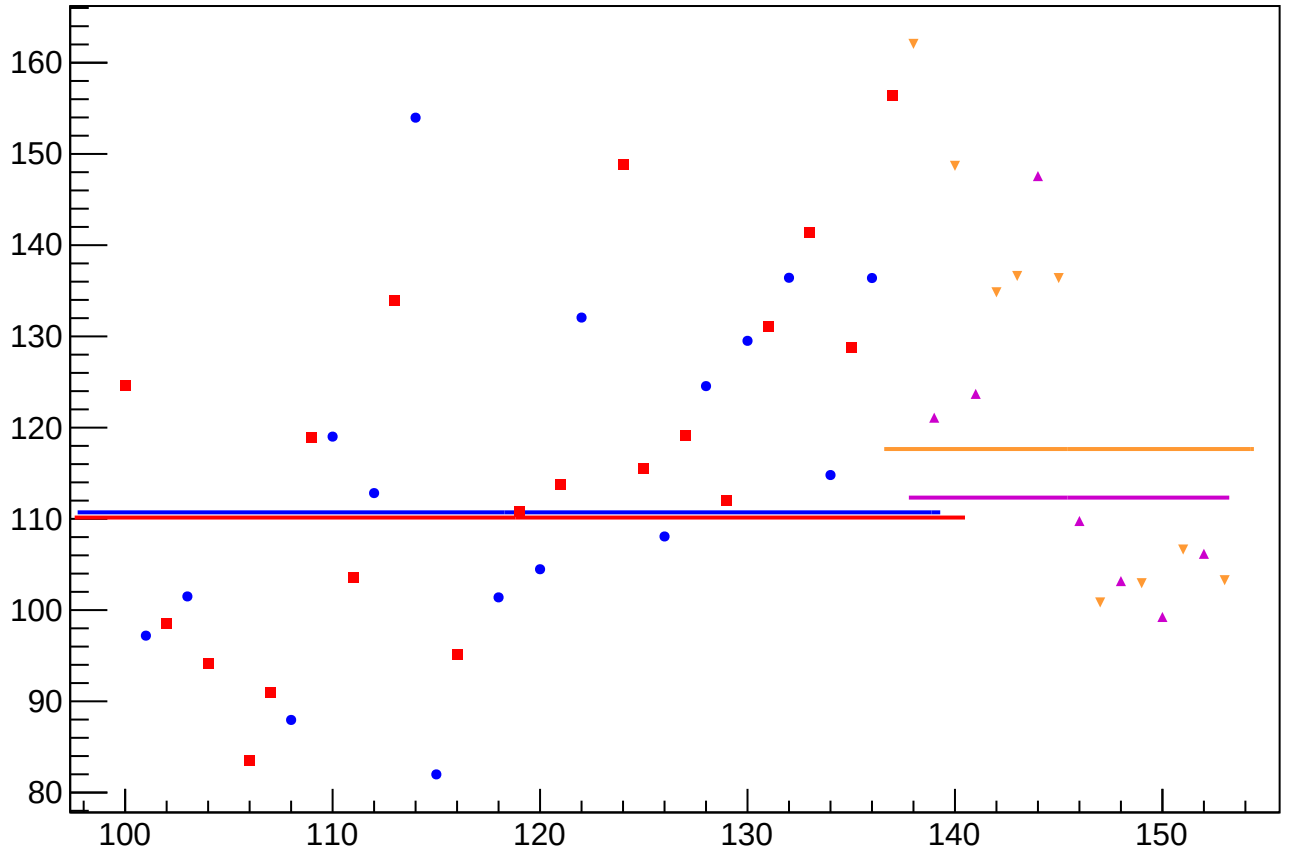
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.023+/-0.046 χ^2/NDF:11.3/6

+ sign 0.005+/-0.031 χ^2/NDF: 27.4/24

All: 0.001+/-0.022 χ^2/NDF: 62.8/50

- sign -0.003+/-0.031 χ^2/NDF: 35.4/25



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 117.655+/-0.032 χ^2/NDF:384994.7/8

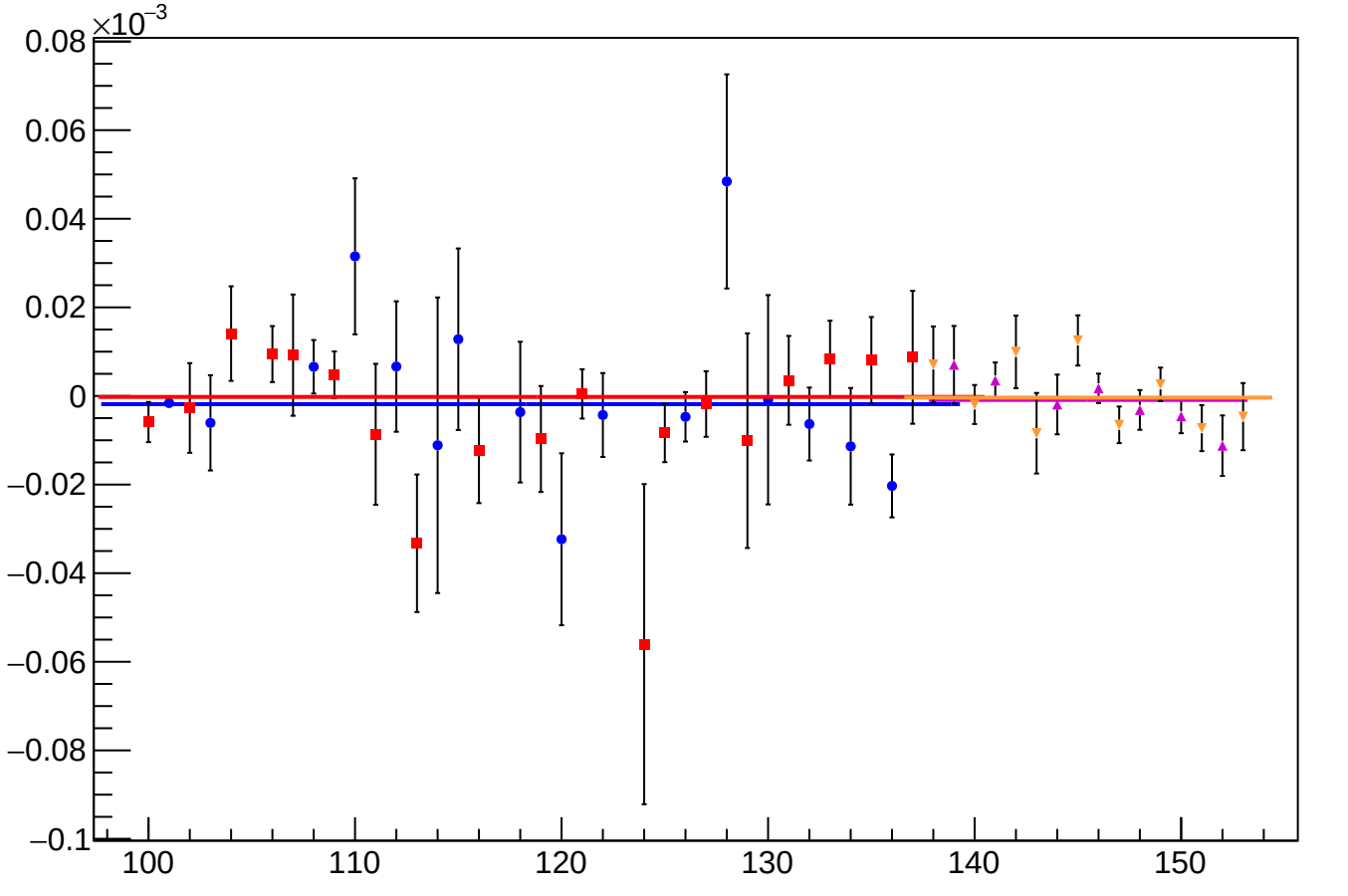
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 112.330+/-0.033 χ^2/NDF:174282.7/6

+ sign 113.923+/-0.022 χ^2/NDF: 709897.2/24

All: 112.510+/-0.015 χ^2/NDF: 1221652.9/50

- sign 111.117+/-0.022 χ^2/NDF: 503499.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/8

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

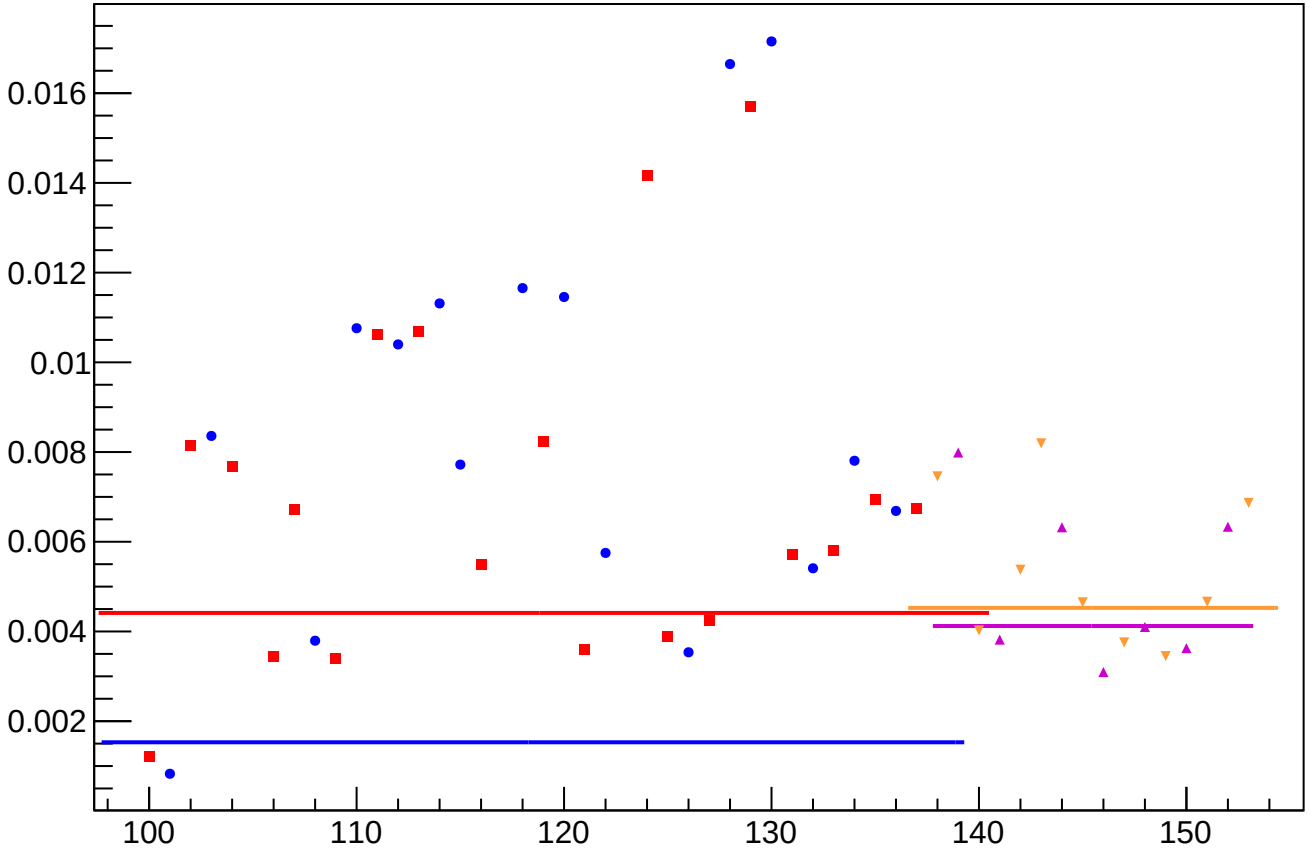
Left In: -0.000+/-0.000 χ^2/NDF:6.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/24

All: -0.000+/-0.000 χ^2/NDF: 61.7/50

- sign -0.000+/-0.000 χ^2/NDF: 26.1/25

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1031525.4/8

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

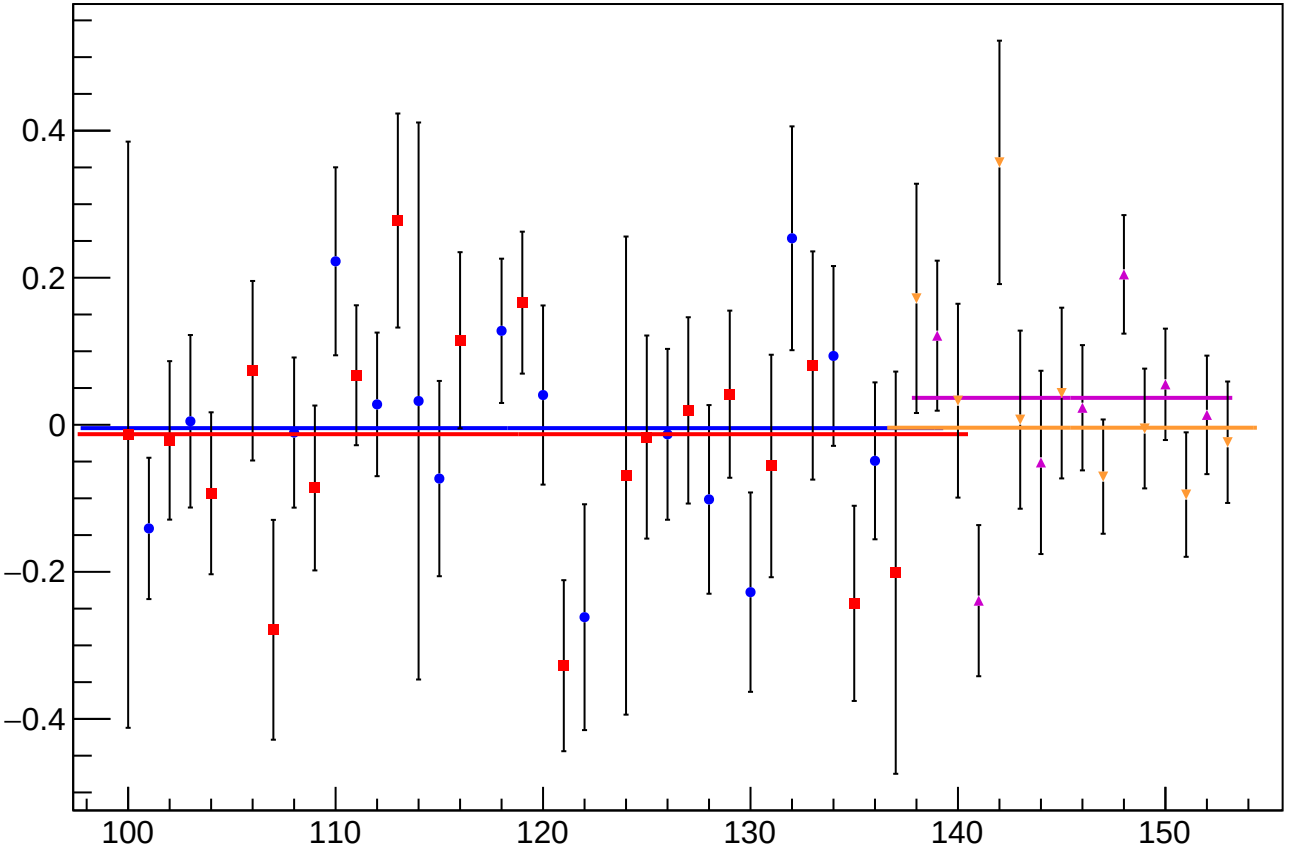
Left In: 0.004+/-0.000 χ^2/NDF:1049037.3/6

+ sign 0.002+/-0.000 χ^2/NDF: 14523794.4/24

All: 0.003+/-0.000 χ^2/NDF: 22468963.1/50

- sign 0.004+/-0.000 χ^2/NDF: 4462216.0/25

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.034 χ^2/NDF:8.2/8

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

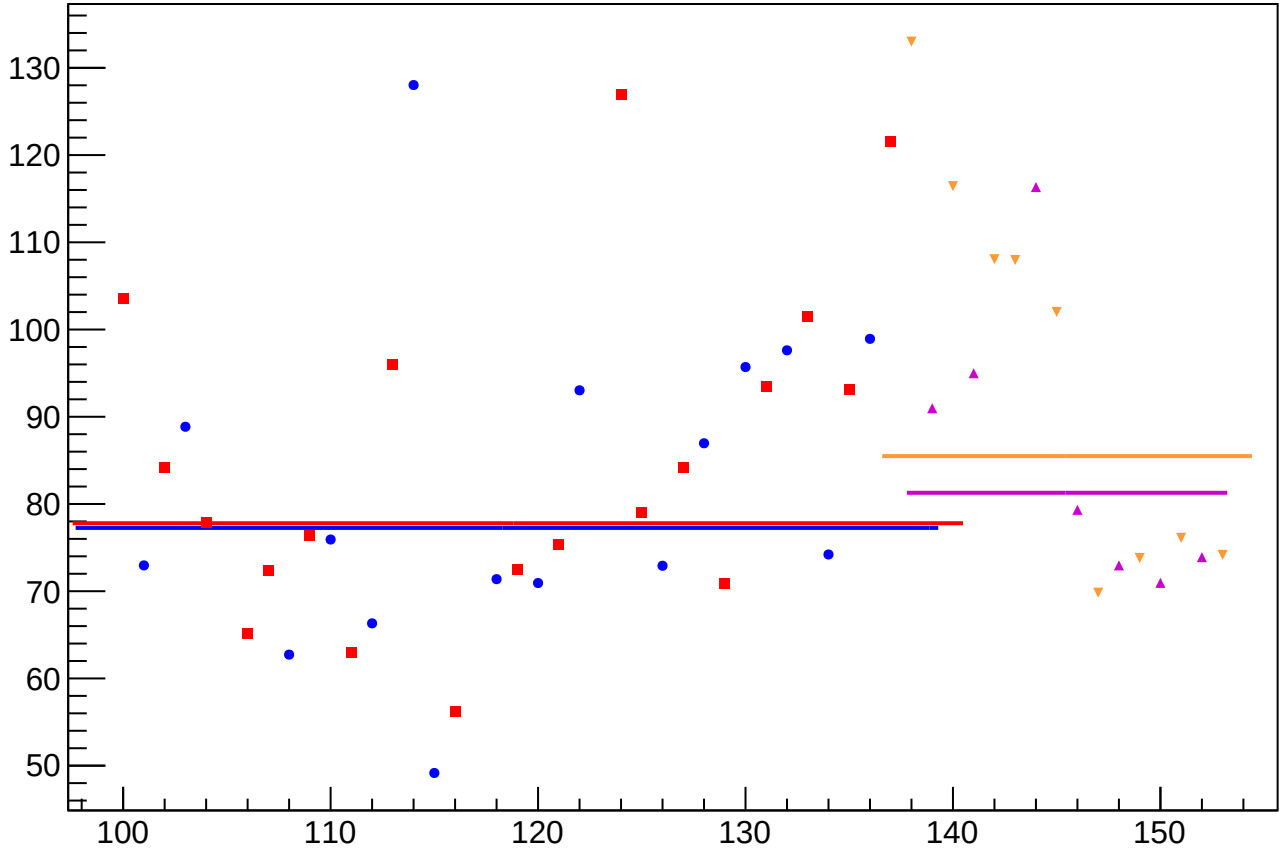
Left In: 0.037+/-0.034 χ^2/NDF:12.9/6

+ sign -0.004+/-0.022 χ^2/NDF: 25.5/24

All: 0.002+/-0.016 χ^2/NDF: 65.3/50

- sign 0.009+/-0.022 χ^2/NDF: 39.6/25

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 85.487+/-0.024 χ^2/NDF:627090.4/8

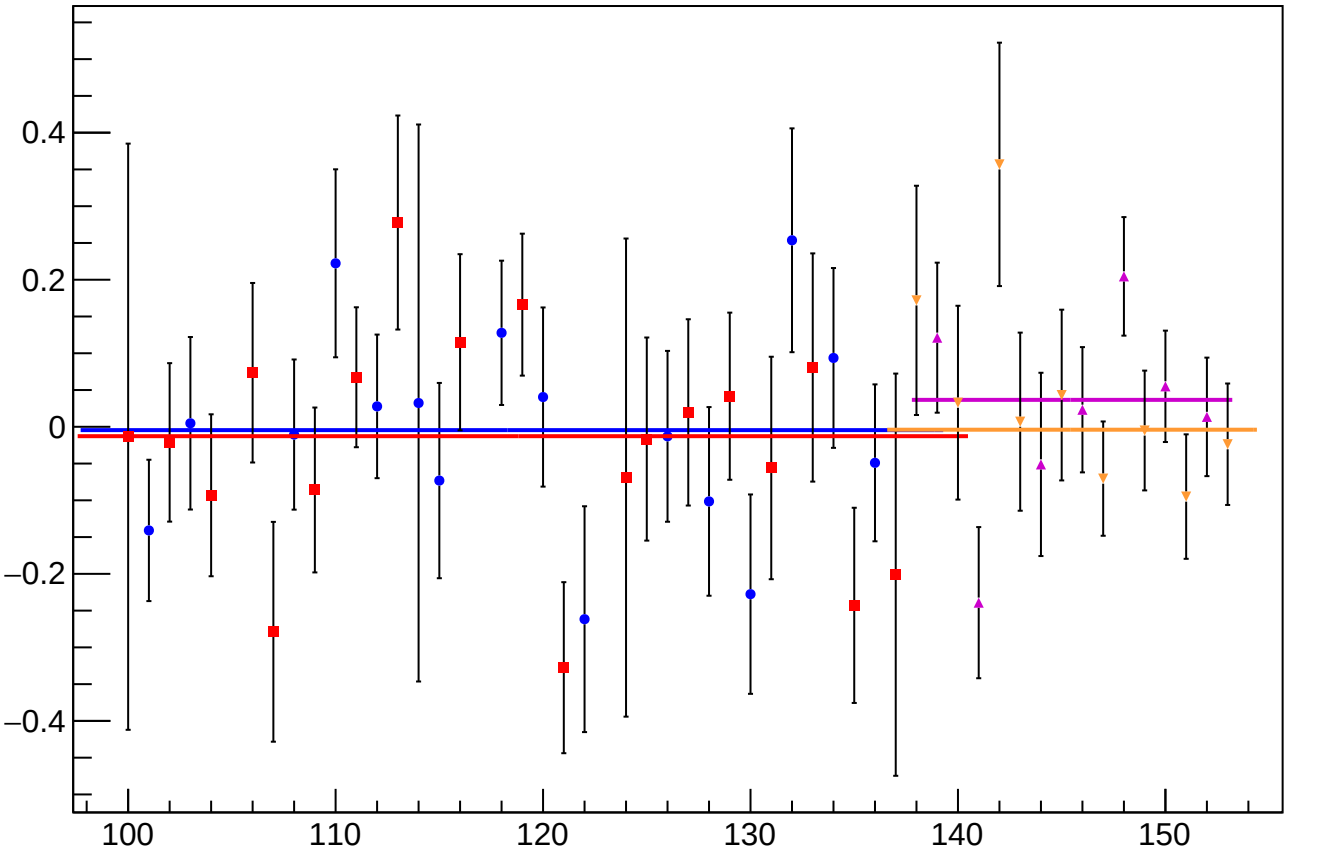
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

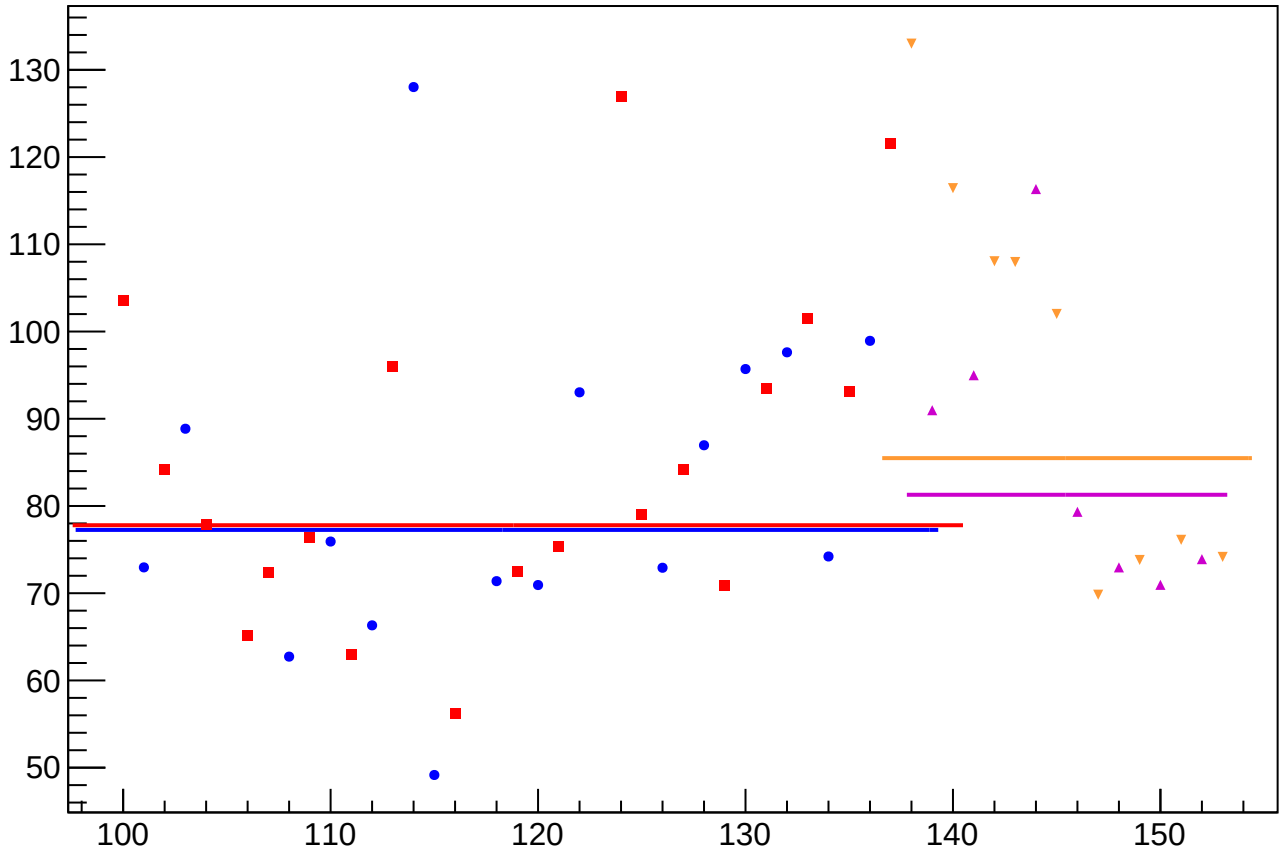
Left In: 81.286+/-0.024 χ^2/NDF:288128.2/6

+ sign 80.901+/-0.016 χ^2/NDF: 1112787.1/24

All: 80.105+/-0.011 χ^2/NDF: 1814433.5/50

- sign 79.317+/-0.016 χ^2/NDF: 696633.2/25


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: -0.004+/-0.034 χ²/NDF:8.2/8
Right Out: -0.013+/-0.030 χ²/NDF: 25.5/18
Left In: 0.037+/-0.034 χ²/NDF:12.9/6
+ sign -0.004+/-0.022 χ²/NDF: 25.5/24
All: 0.002+/-0.016 χ²/NDF: 65.3/50
- sign 0.009+/-0.022 χ²/NDF: 39.6/25



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 85.487+/-0.024 χ^2/NDF:627090.4/8

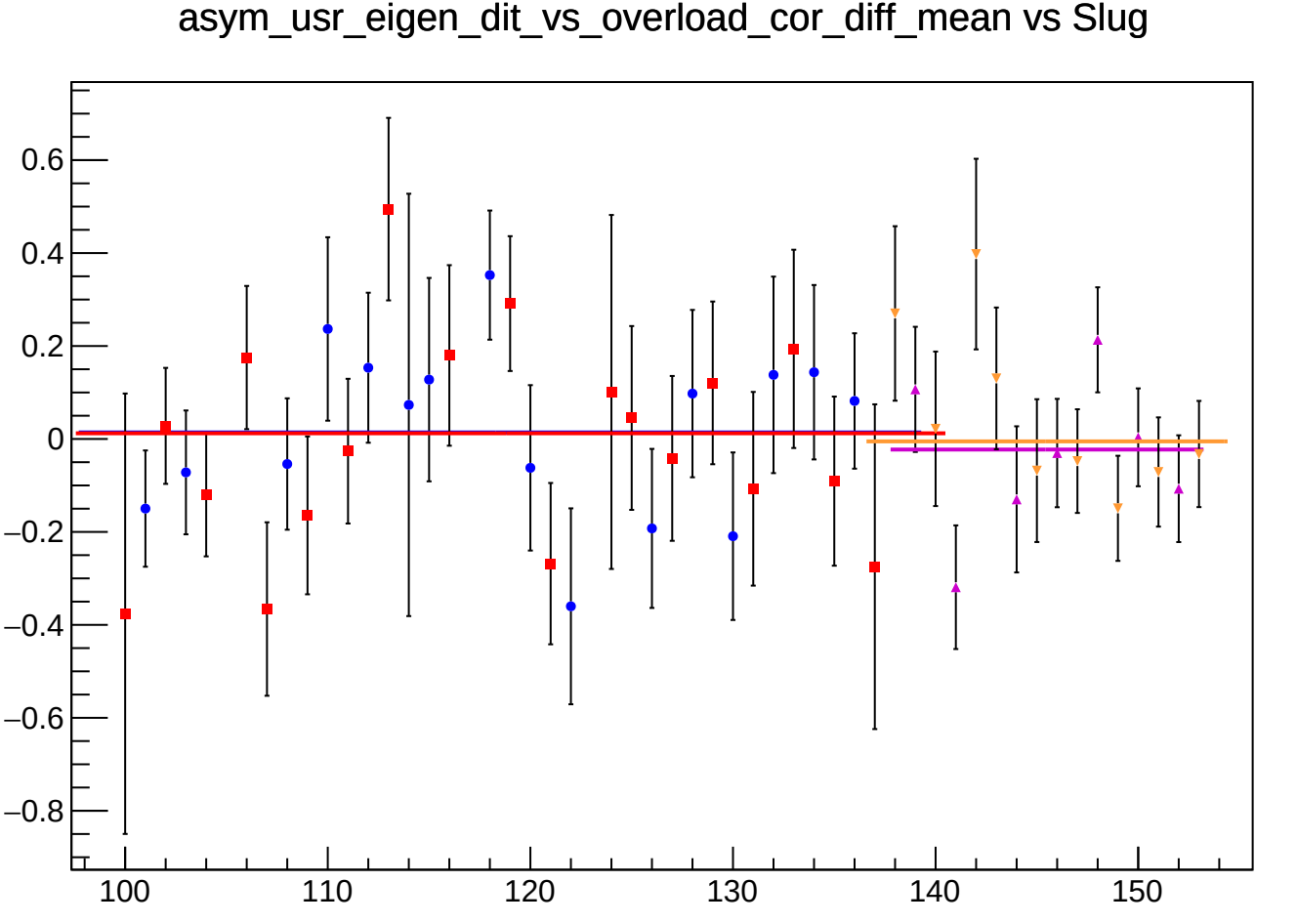
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 81.286+/-0.024 χ^2/NDF:288128.2/6

+ sign 80.901+/-0.016 χ^2/NDF: 1112787.1/24

All: 80.105+/-0.011 χ^2/NDF: 1814433.5/50

- sign 79.317+/-0.016 χ^2/NDF: 696633.2/25



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.005+/-0.046 χ^2/NDF:9.1/8

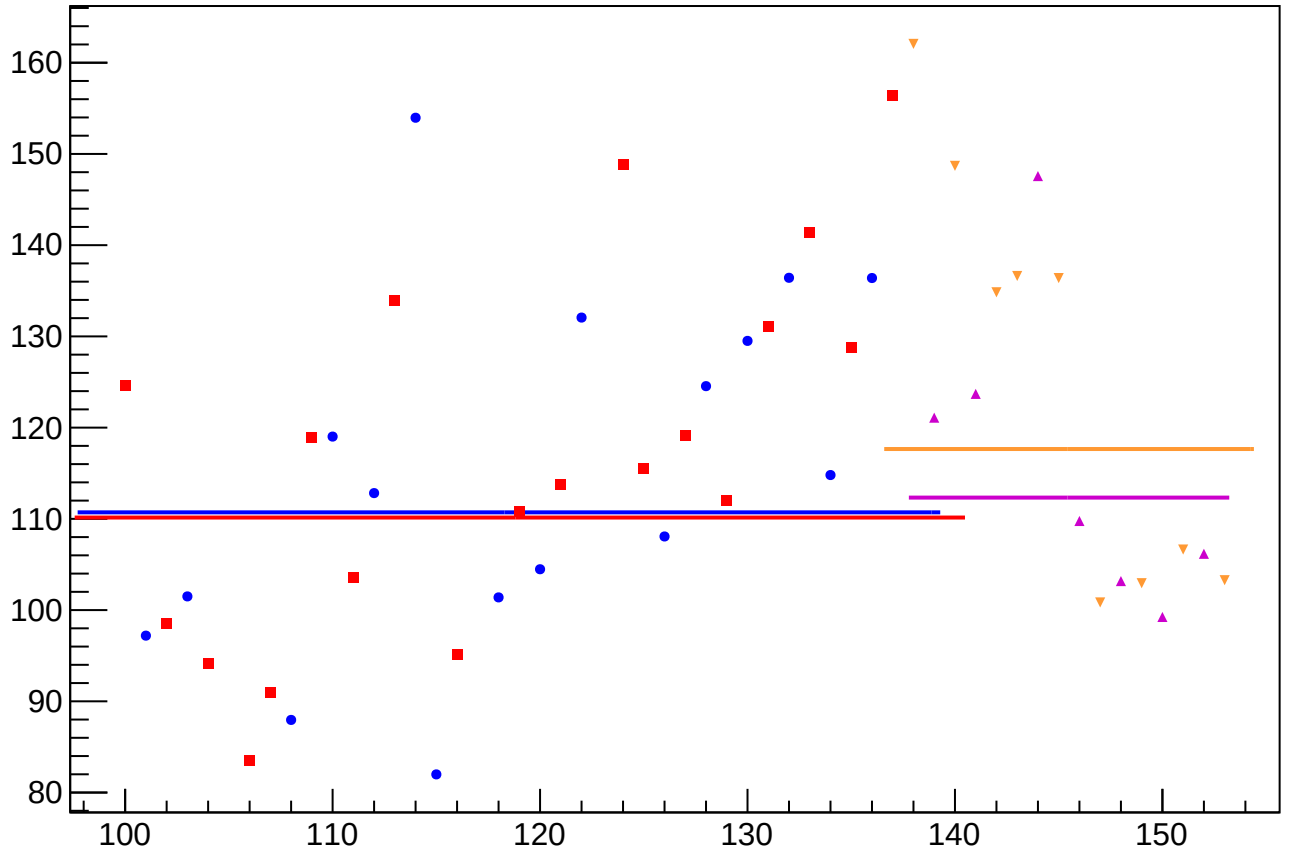
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.023+/-0.046 χ^2/NDF:11.3/6

+ sign 0.005+/-0.031 χ^2/NDF: 27.4/24

All: 0.001+/-0.022 χ^2/NDF: 62.8/50

- sign -0.003+/-0.031 χ^2/NDF: 35.4/25



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 117.655+/-0.032 χ^2/NDF:384996.0/8

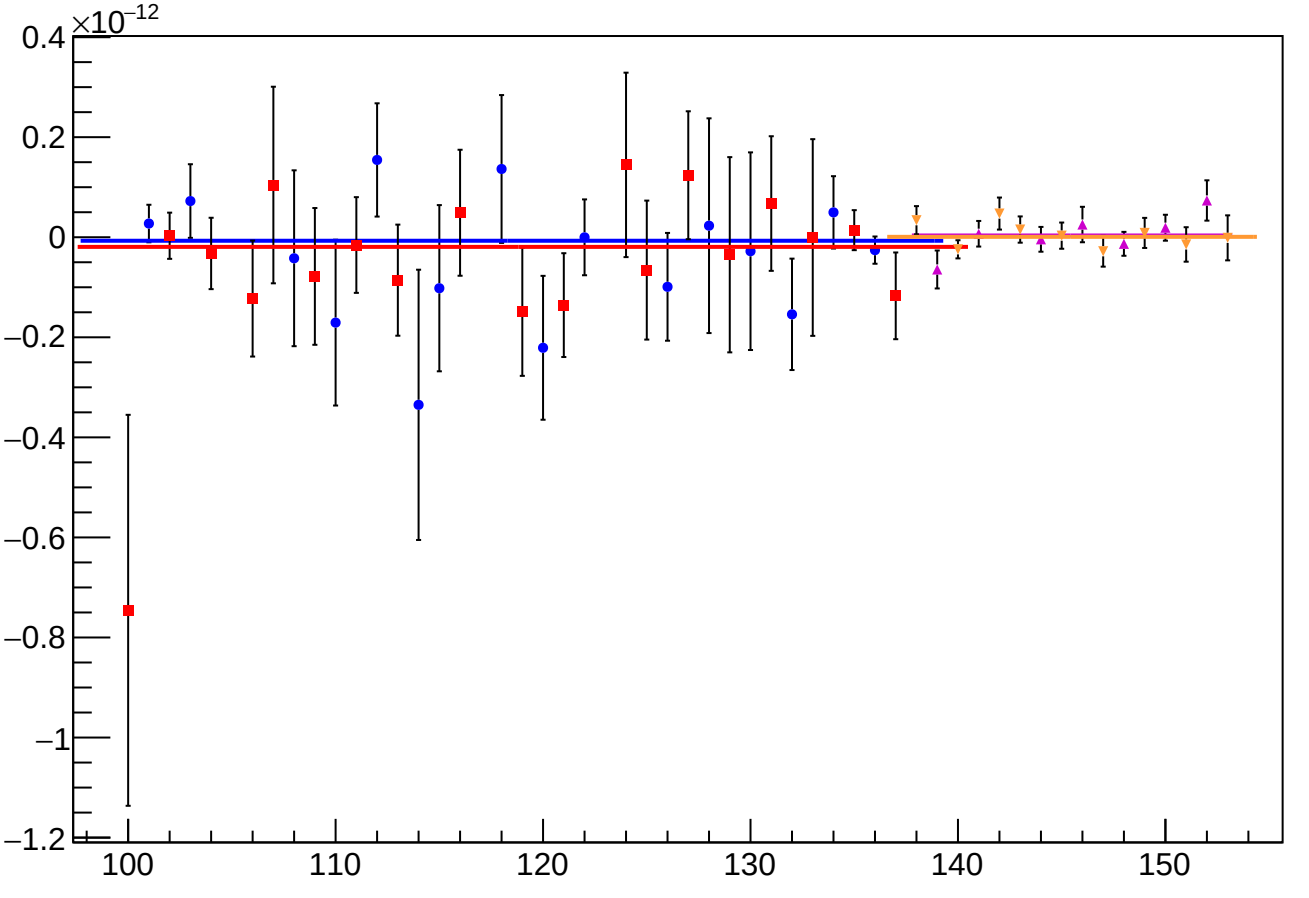
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 112.330+/-0.033 χ^2/NDF:174286.5/6

+ sign 113.923+/-0.022 χ^2/NDF: 709881.7/24

All: 112.510+/-0.015 χ^2/NDF: 1221613.1/50

- sign 111.117+/-0.022 χ^2/NDF: 503475.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/8

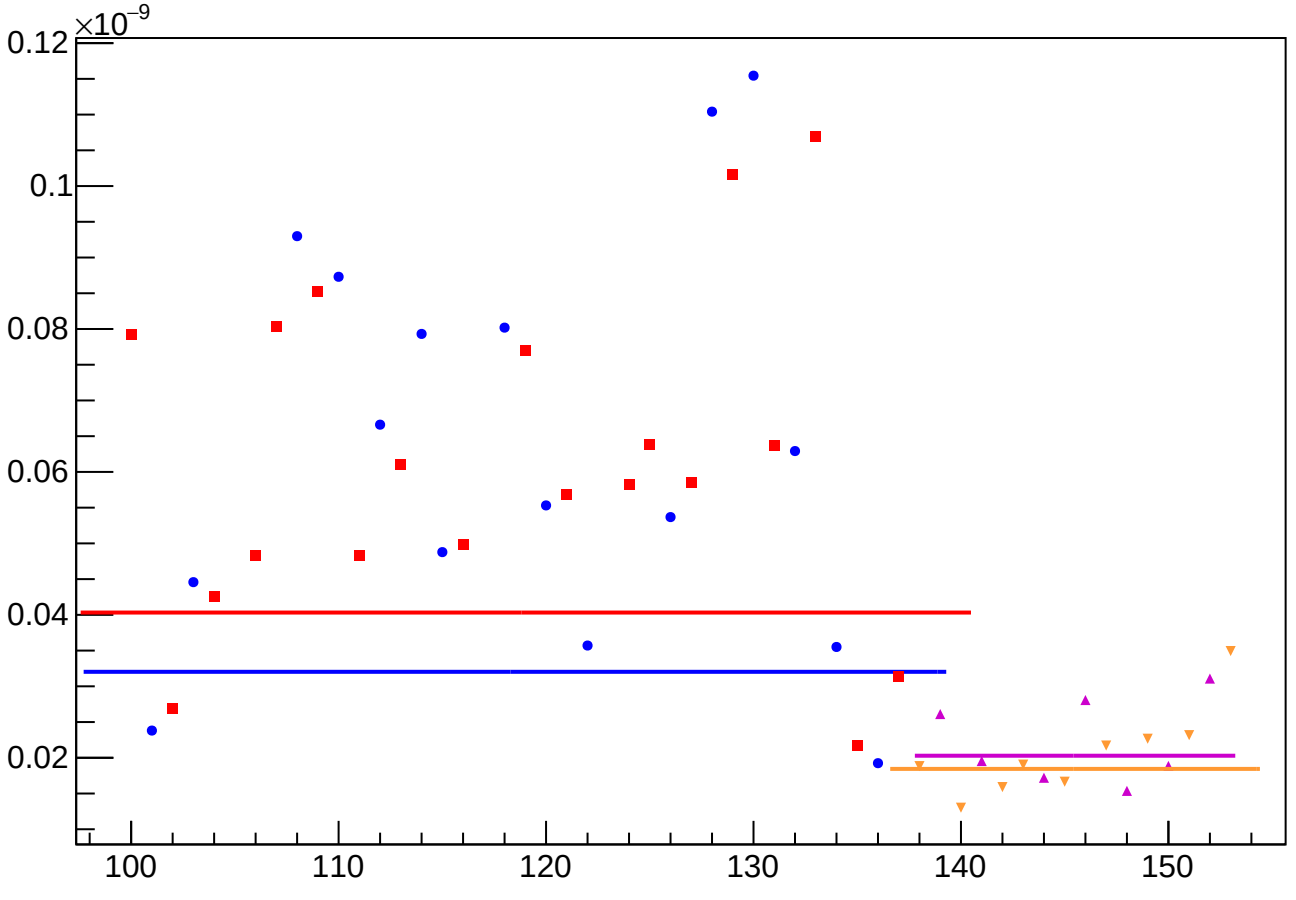
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 20.6/24

All: -0.000+/-0.000 χ^2/NDF: 41.7/50

- sign -0.000+/-0.000 χ^2/NDF: 21.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:571017.2/8

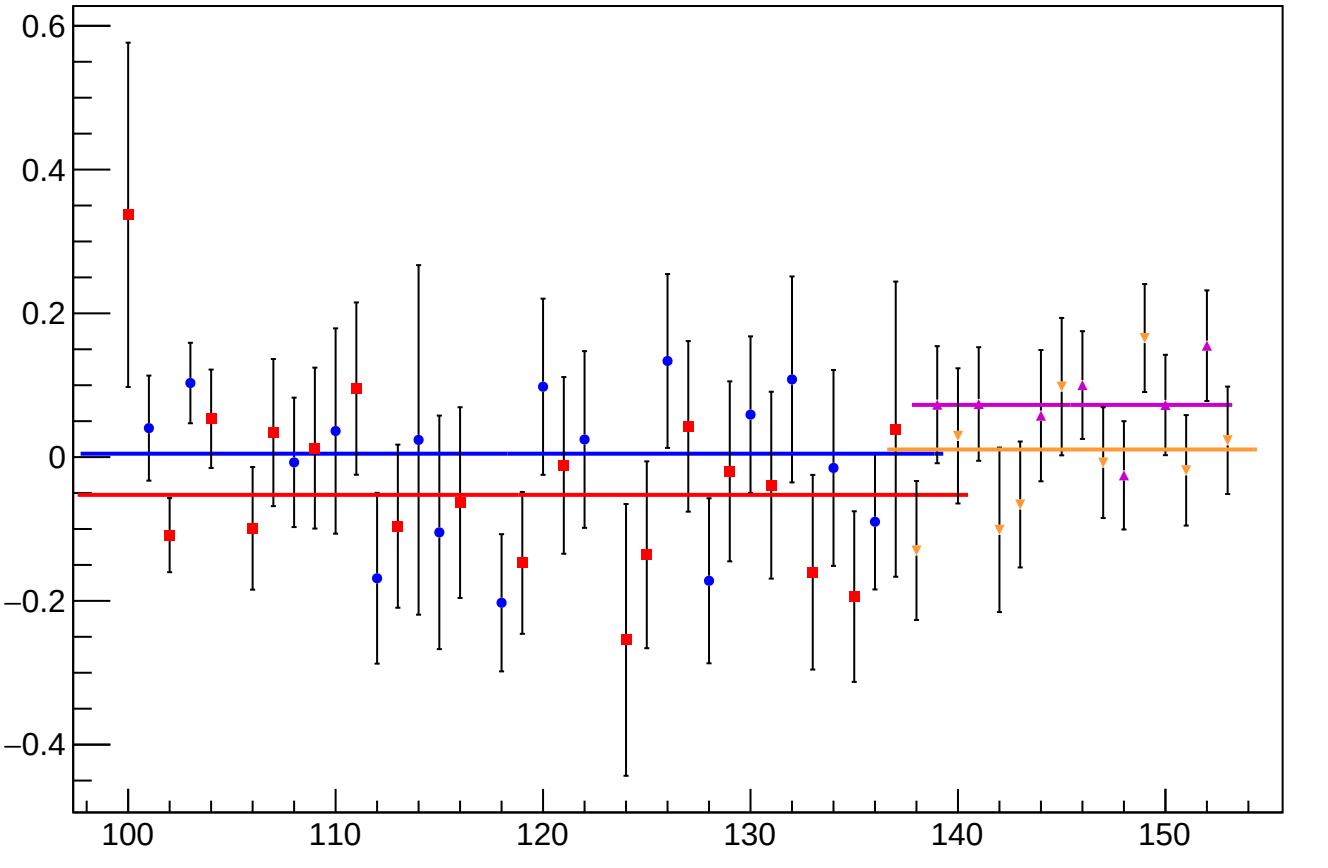
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:411205.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3938058.7/24

All: 0.000+/-0.000 χ^2/NDF: 7764368.6/50

- sign 0.000+/-0.000 χ^2/NDF: 3701702.7/25



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.011+/-0.029 χ^2/NDF:9.2/8

Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

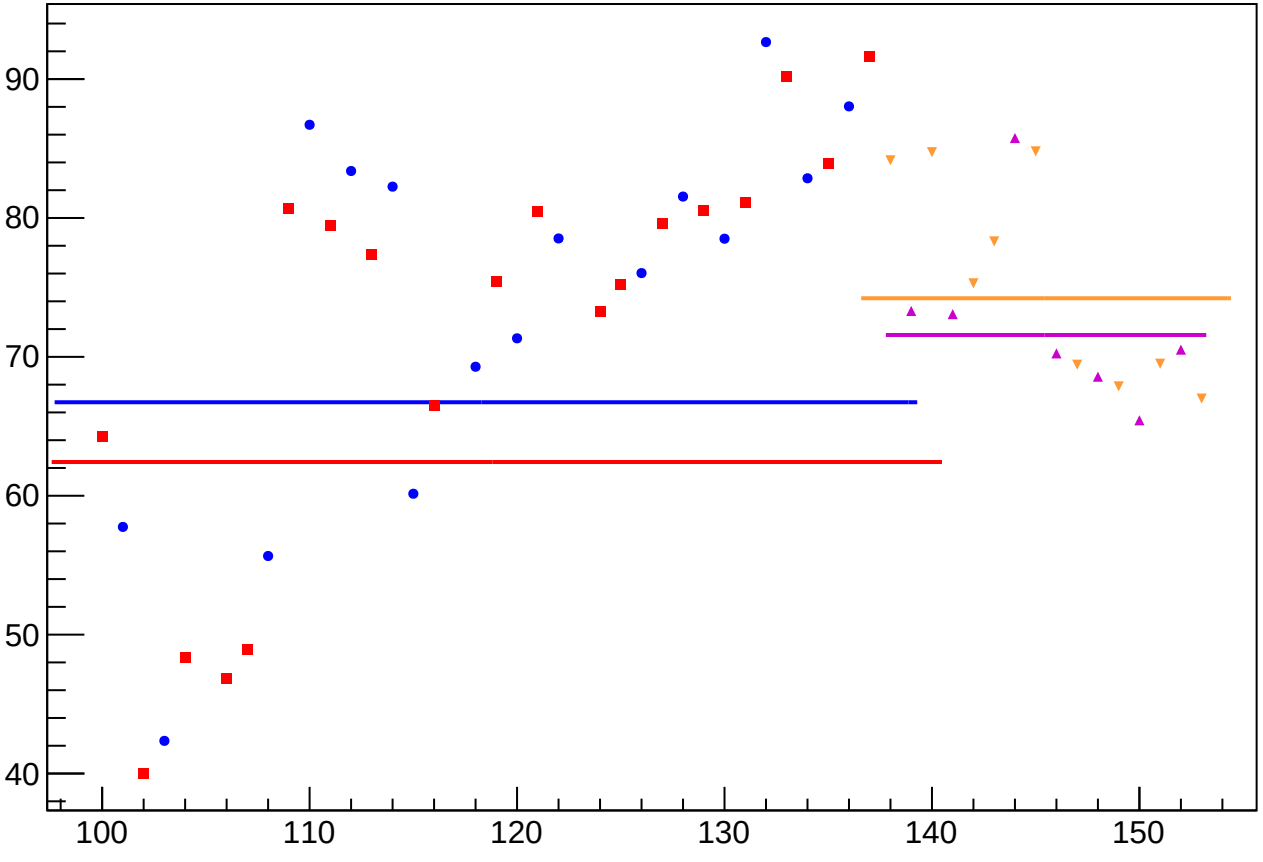
Left In: 0.073+/-0.029 χ^2/NDF:3.0/6

+ sign 0.007+/-0.019 χ^2/NDF: 25.8/24

All: 0.002+/-0.013 χ^2/NDF: 54.6/50

- sign -0.002+/-0.019 χ^2/NDF: 28.7/25

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.220+/-0.020 χ^2/NDF:123365.2/8

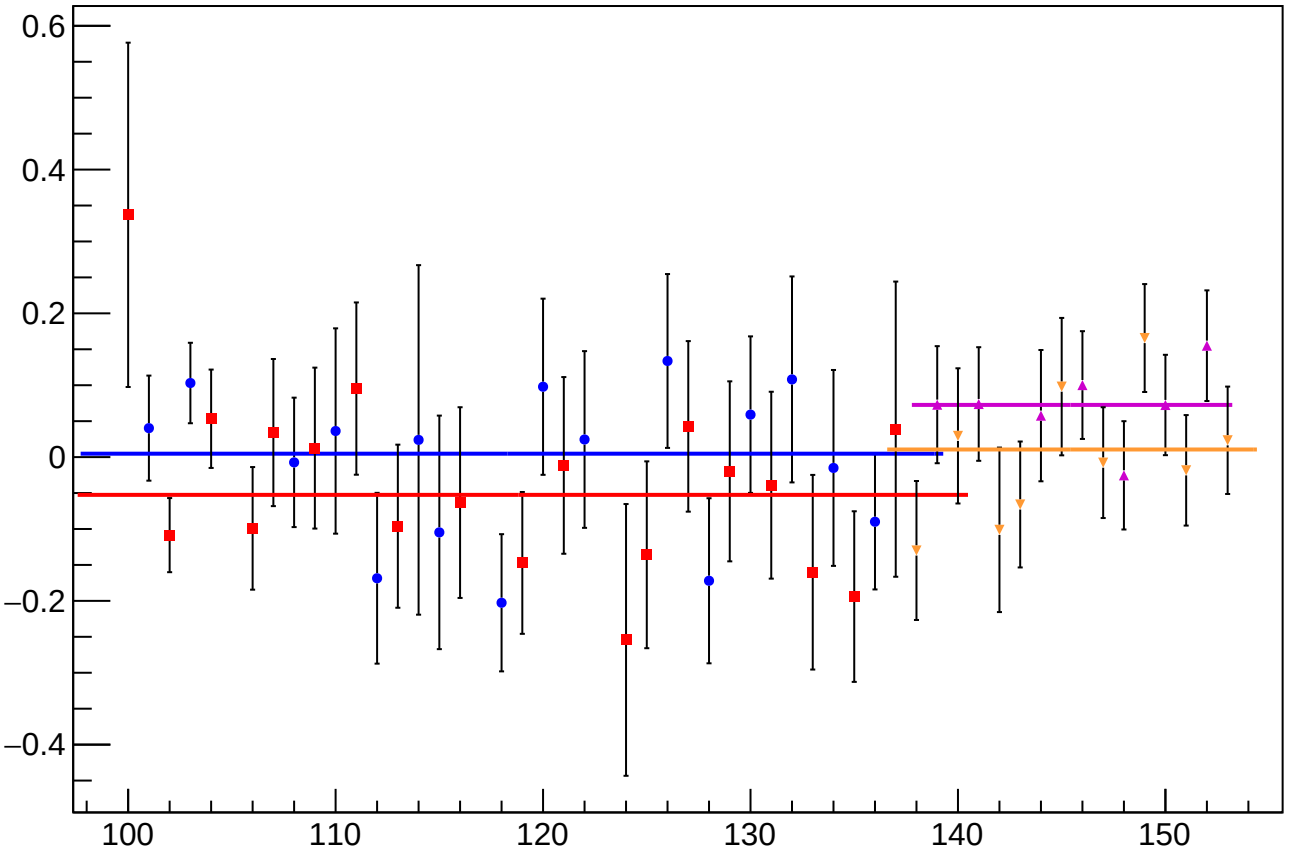
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.574+/-0.021 χ^2/NDF:69510.4/6

+ sign 70.118+/-0.014 χ^2/NDF: 1015714.4/24

All: 68.055+/-0.009 χ^2/NDF: 2360277.7/50

- sign 66.106+/-0.013 χ^2/NDF: 1299504.9/25



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.011+/-0.029 χ^2/NDF:9.2/8

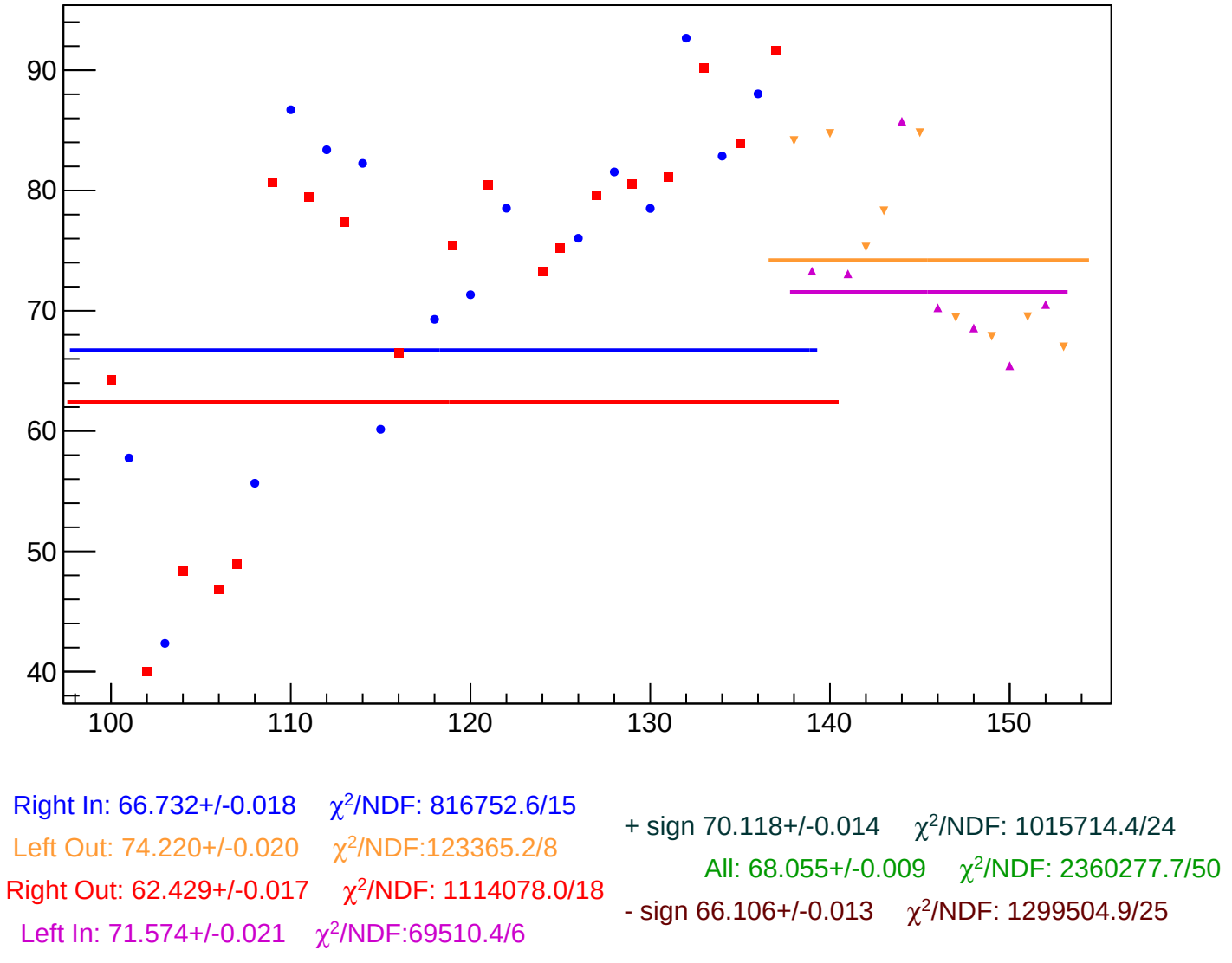
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.073+/-0.029 χ^2/NDF:3.0/6

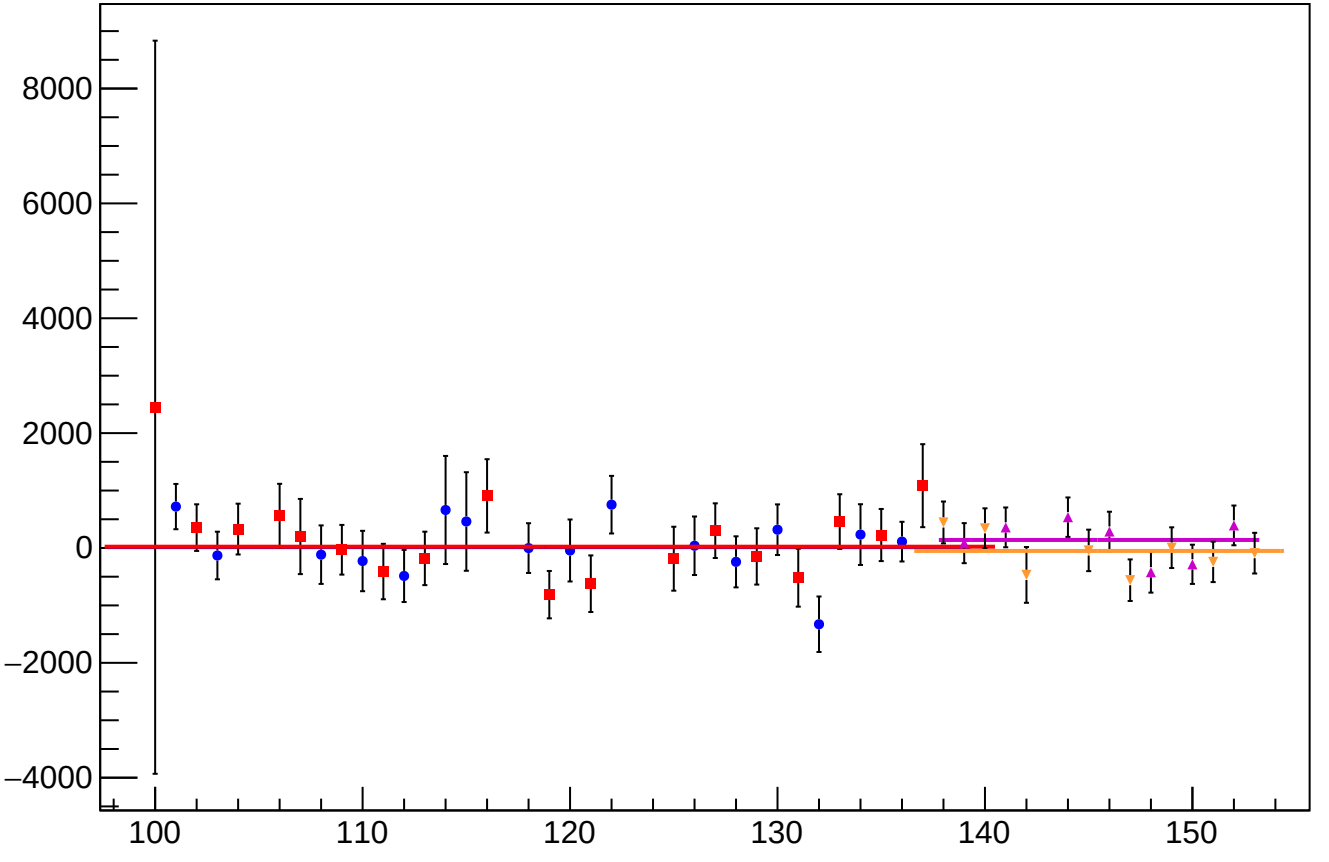
+ sign 0.007+/-0.019 χ^2/NDF: 25.8/24

All: 0.002+/-0.013 χ^2/NDF: 54.6/50

- sign -0.002+/-0.019 χ^2/NDF: 28.7/25


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 74.220+/-0.020 χ²/NDF:123365.2/8
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 71.574+/-0.021 χ²/NDF:69510.4/6
+ sign 70.118+/-0.014 χ²/NDF: 1015714.4/24
All: 68.055+/-0.009 χ²/NDF: 2360277.7/50
- sign 66.106+/-0.013 χ²/NDF: 1299504.9/25

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -51.539+/-129.857 χ^2/NDF:6.2/7

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

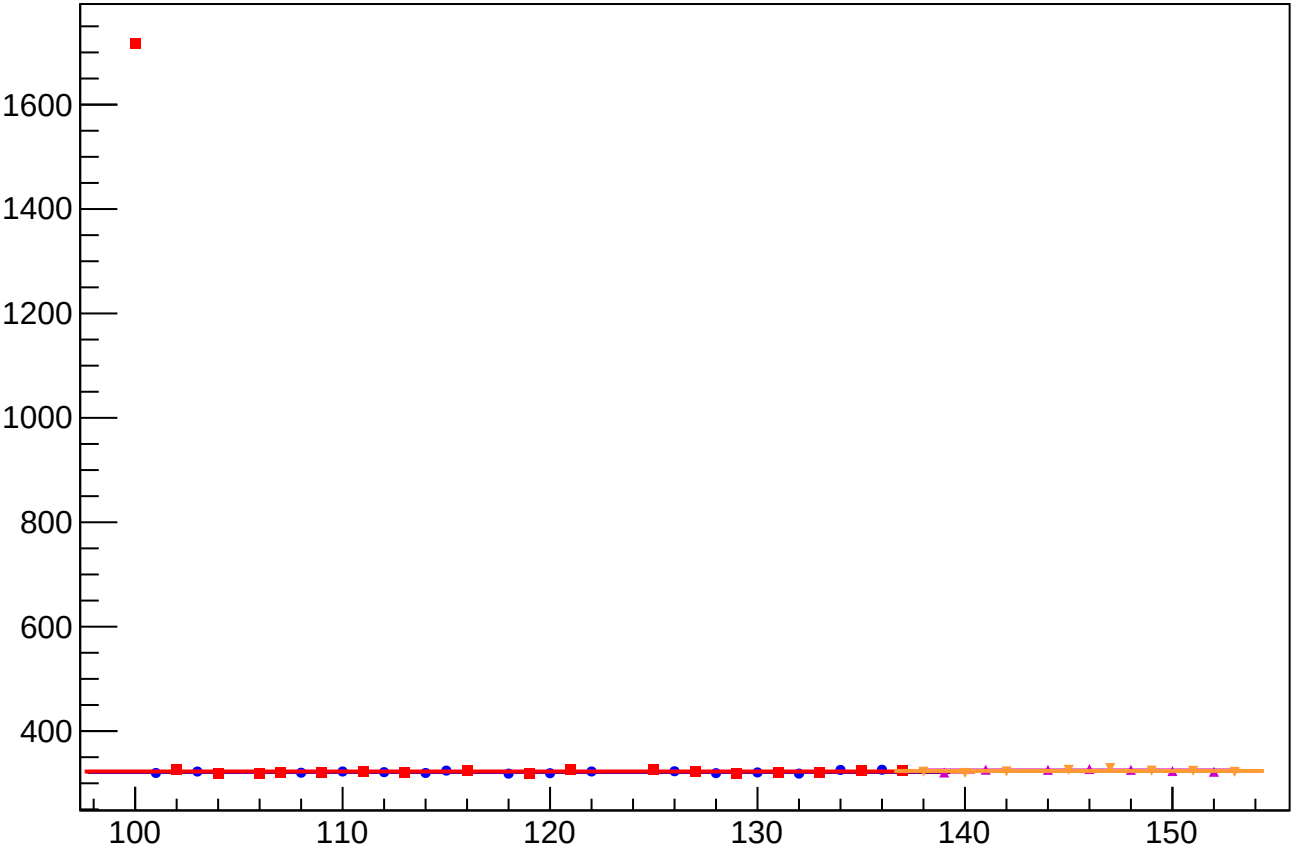
Left In: 139.588+/-130.980 χ^2/NDF:6.5/6

+ sign -15.211+/-87.906 χ^2/NDF: 22.9/23

All: 29.940+/-62.249 χ^2/NDF: 46.3/48

- sign 75.355+/-88.163 χ^2/NDF: 22.9/24

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 323.637+/-0.092 χ^2/NDF:876.4/7

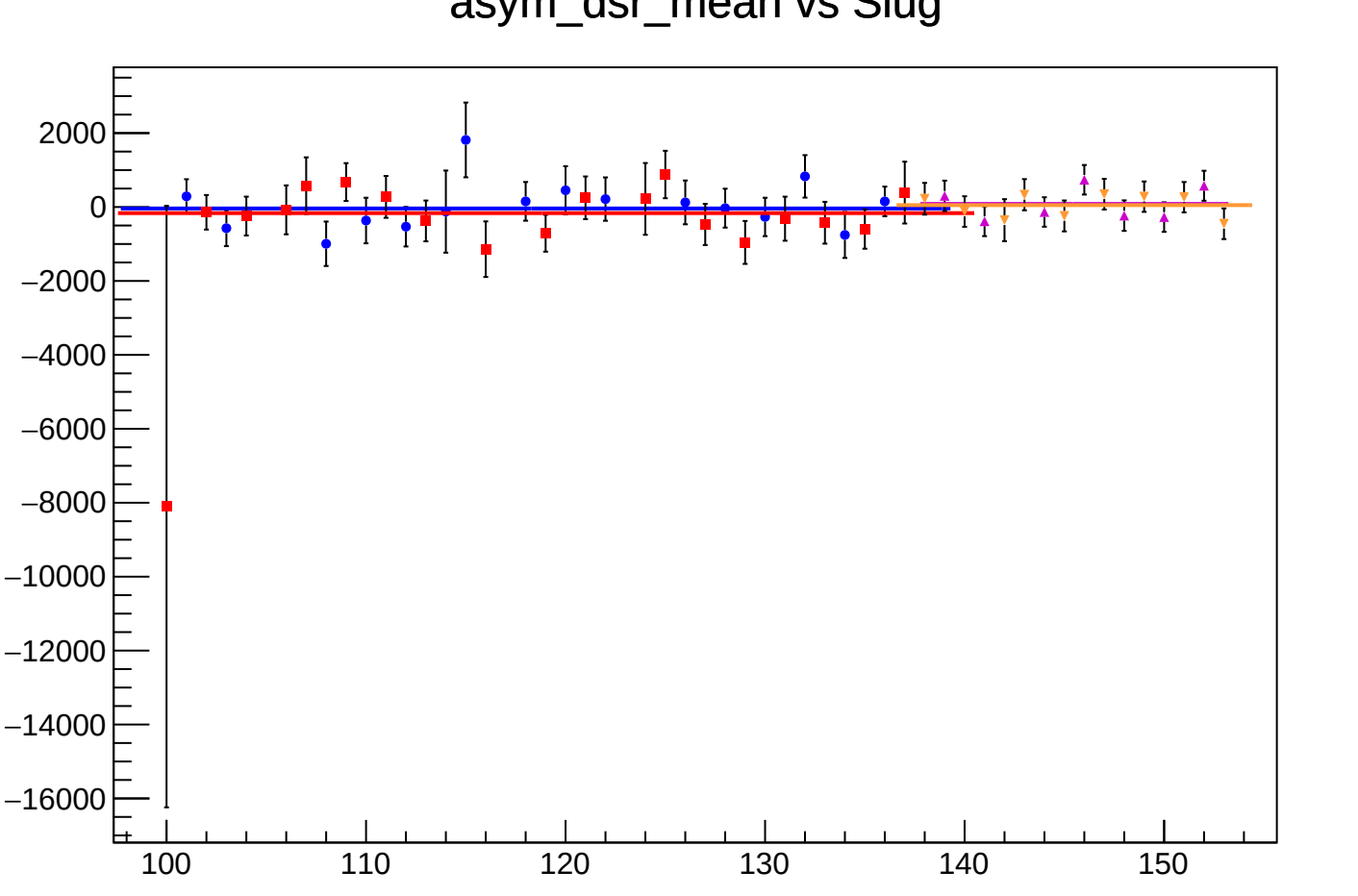
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 324.535+/-0.093 χ^2/NDF:596.1/6

+ sign 322.536+/-0.062 χ^2/NDF: 1964.9/23

All: 322.992+/-0.044 χ^2/NDF: 99811.6/48

- sign 323.451+/-0.062 χ^2/NDF: 97738.6/24



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 51.336+/-142.594 χ^2/NDF:4.3/8

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

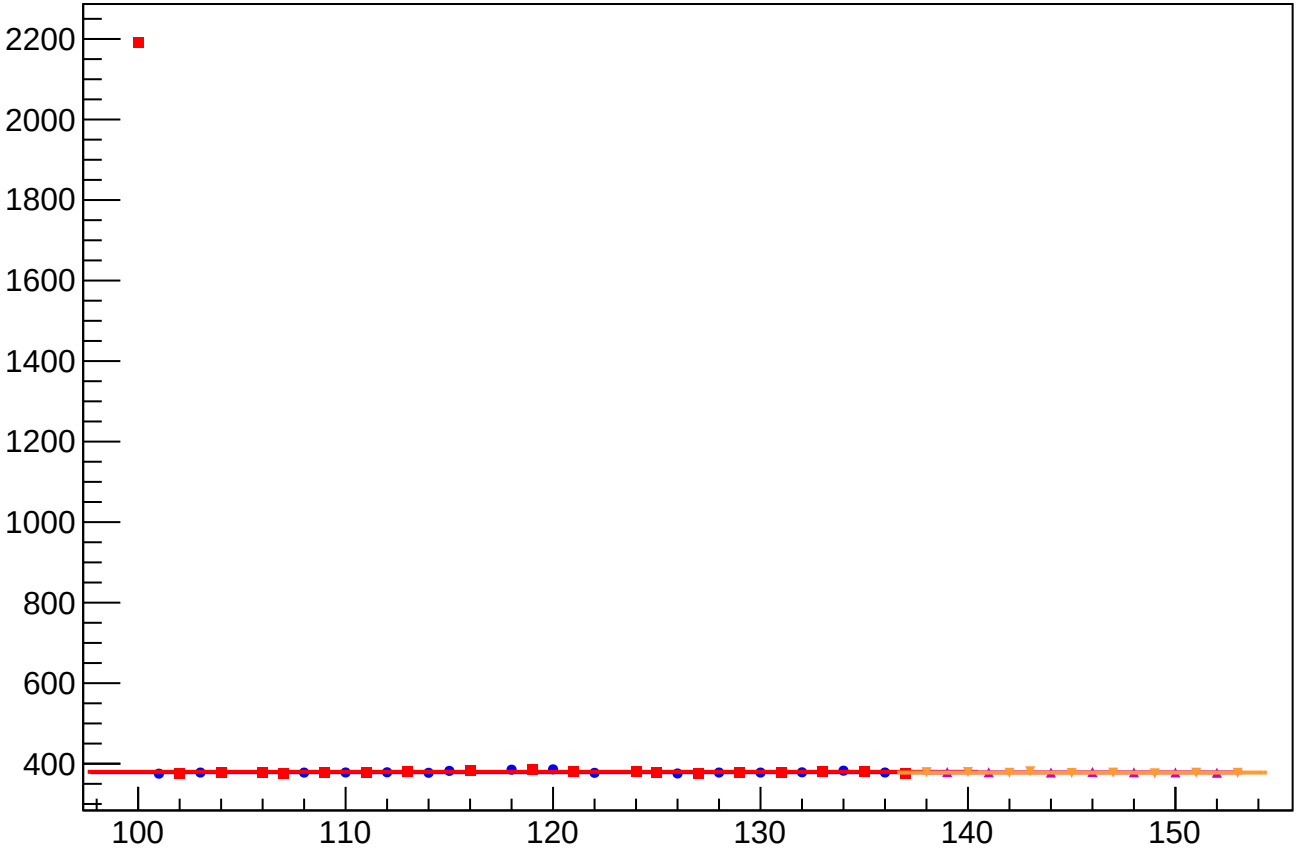
Left In: 83.989+/-152.812 χ^2/NDF:7.5/6

+ sign 5.614+/-100.160 χ^2/NDF: 18.3/24

All: -22.490+/-71.742 χ^2/NDF: 42.5/50

- sign -52.100+/-102.810 χ^2/NDF: 24.0/25

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.005+/-0.101 χ^2/NDF:199.5/8

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

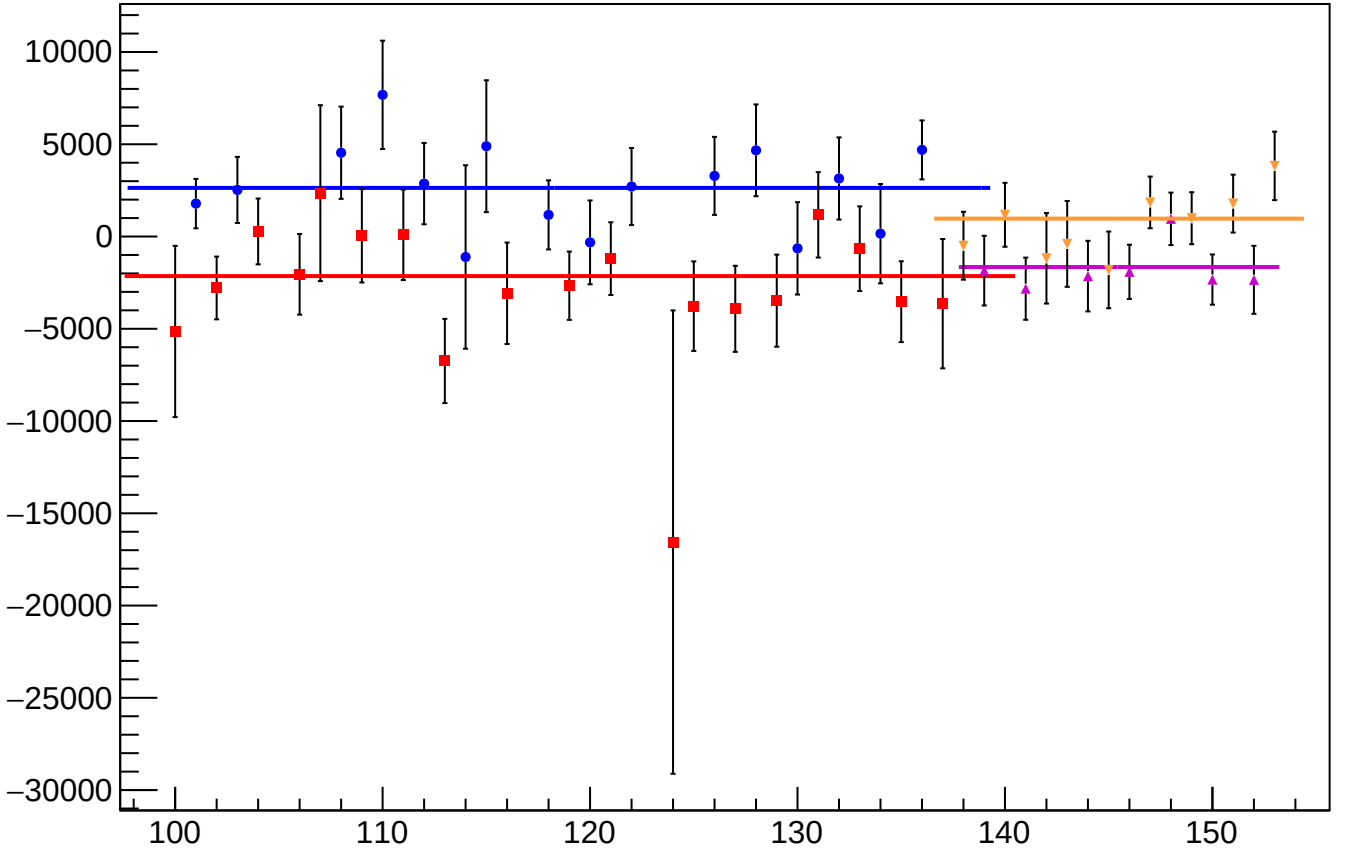
Left In: 378.615+/-0.108 χ^2/NDF:32.9/6

+ sign 378.463+/-0.071 χ^2/NDF: 1091.6/24

All: 378.874+/-0.051 χ^2/NDF: 100889.7/50

- sign 379.306+/-0.073 χ^2/NDF: 99729.1/25

asym_us_agg_avg_mean vs Slug



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 970.133+/-585.088 χ^2/NDF:6.6/8

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

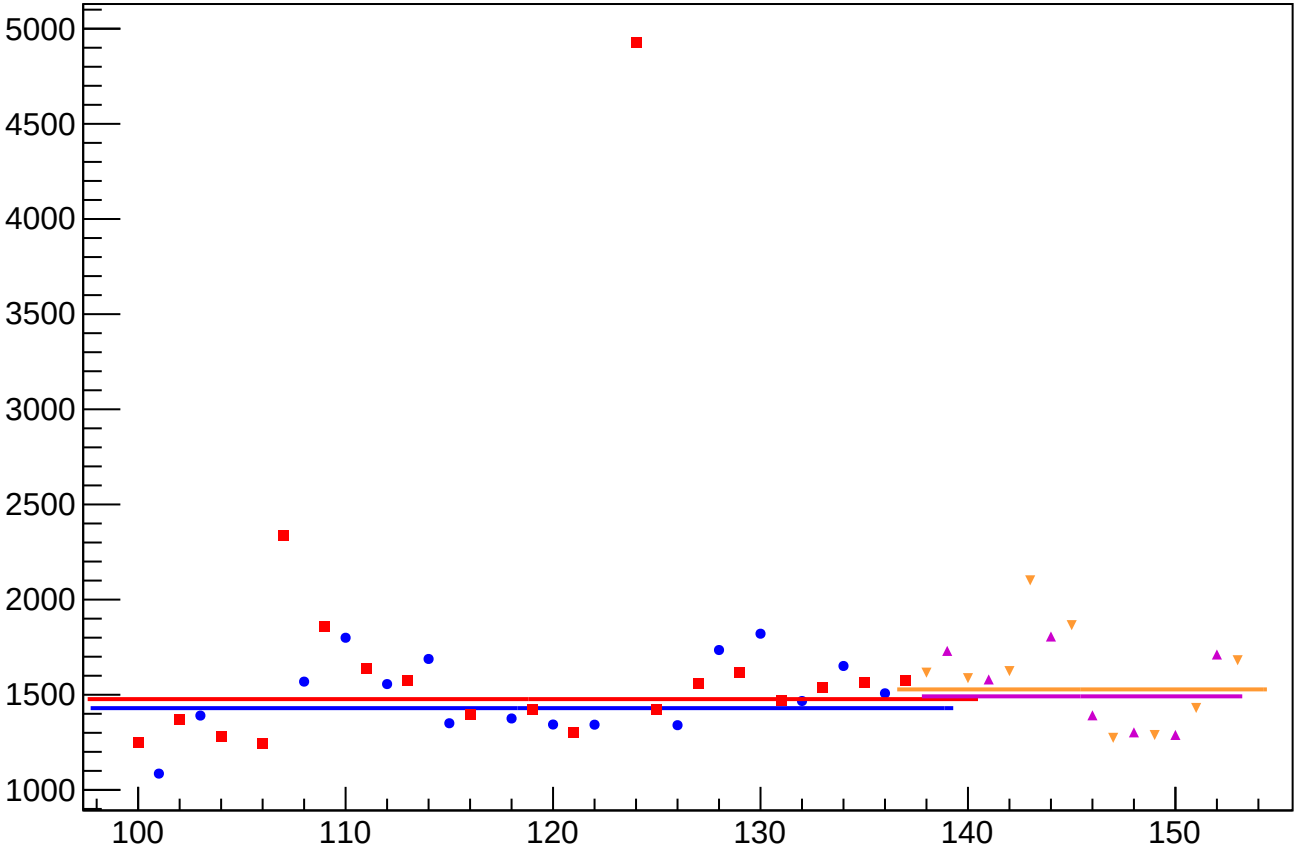
Left In: -1653.489+/-608.702 χ^2/NDF:4.4/6

+ sign 1872.410+/-396.039 χ^2/NDF: 23.2/24

All: 24.704+/-283.785 χ^2/NDF: 87.8/50

- sign -1925.189+/-406.843 χ^2/NDF: 19.8/25

asym_us_agg_avg_rms vs Slug



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1528.177+/-0.414 χ^2/NDF:329288.5/8

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

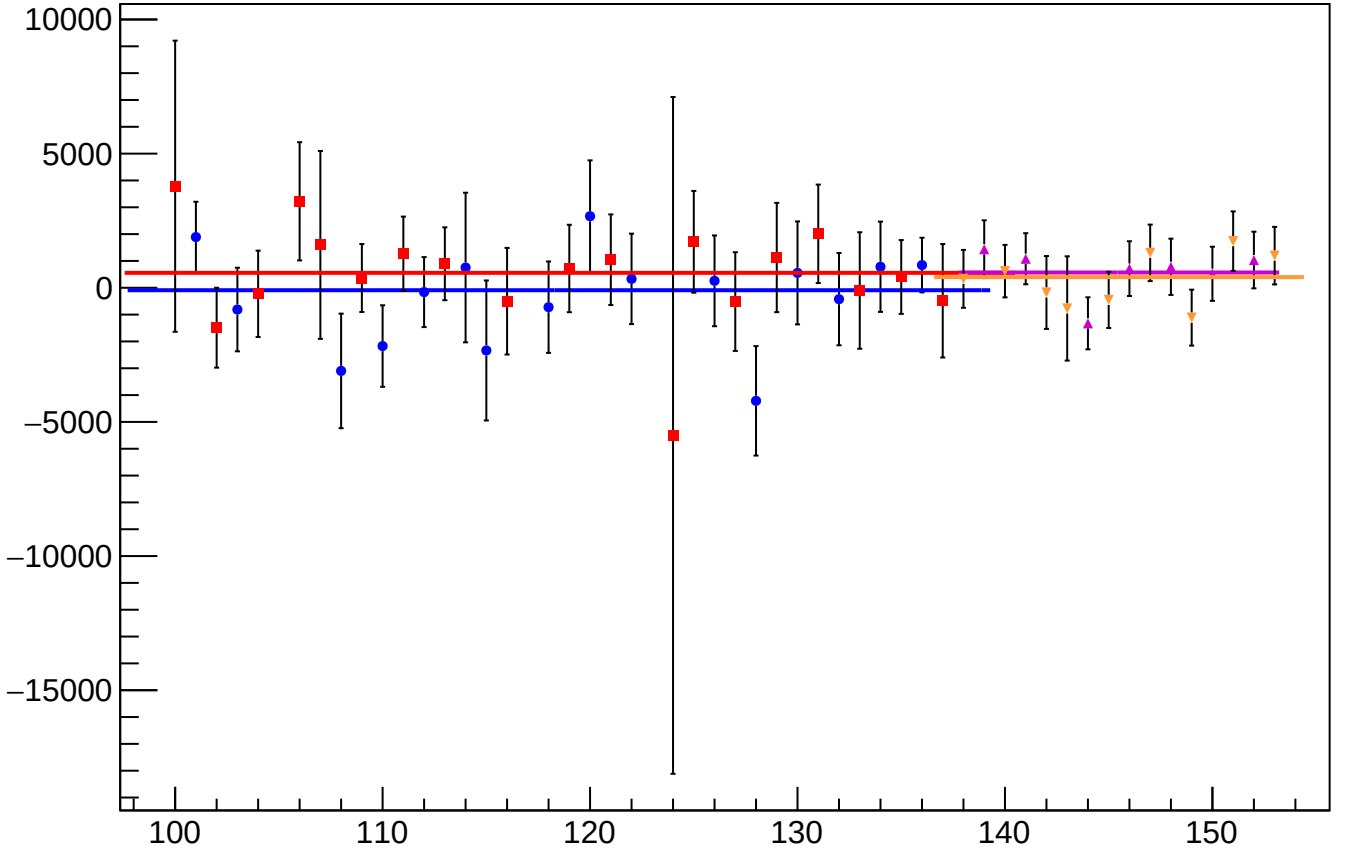
Left In: 1491.649+/-0.430 χ^2/NDF:209126.1/6

+ sign 1474.795+/-0.280 χ^2/NDF: 653404.2/24

All: 1479.086+/-0.201 χ^2/NDF: 1233073.2/50

- sign 1483.614+/-0.288 χ^2/NDF: 579186.6/25

asym_us_agg_dd_mean vs Slug



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

Left Out: 396.822+/-374.597 χ^2/NDF:6.1/8

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

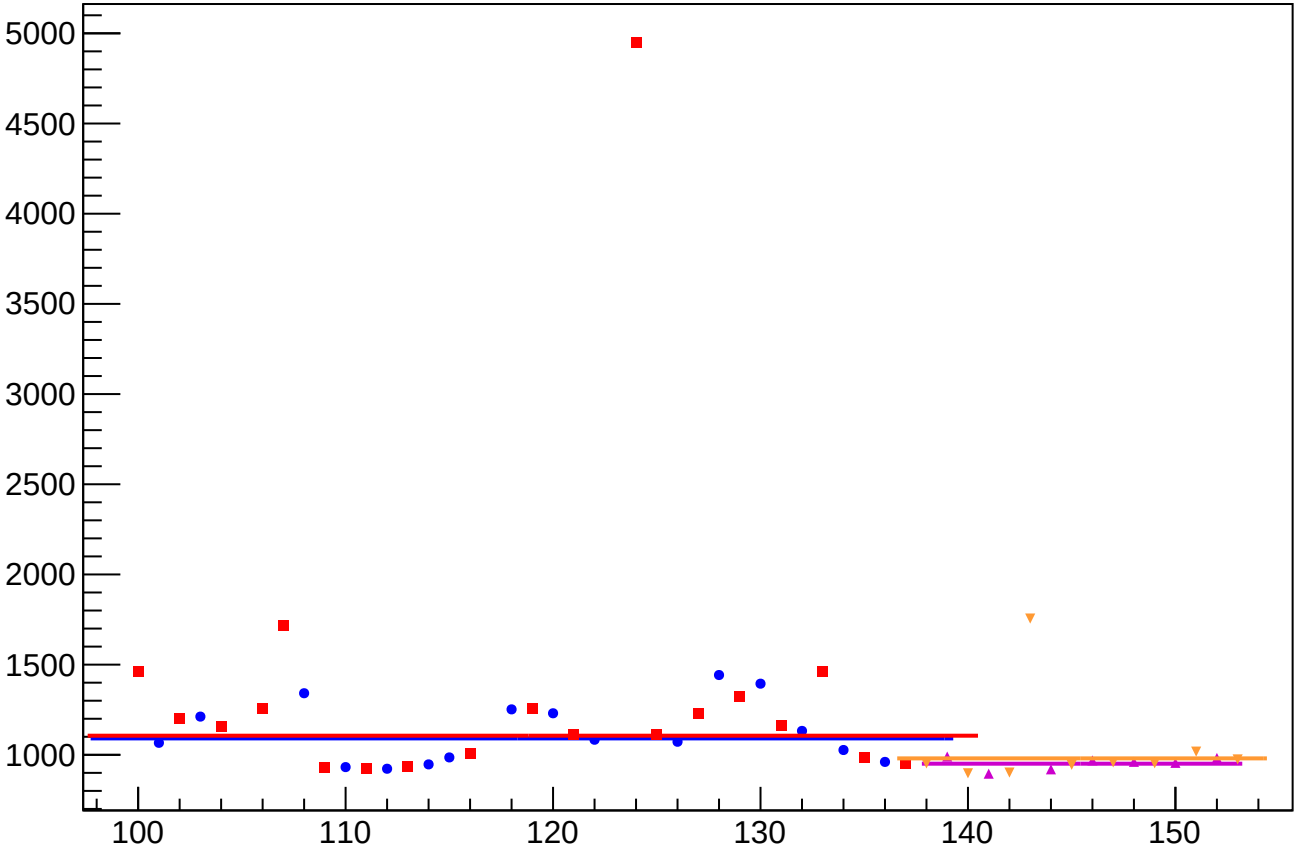
Left In: 569.586+/-384.060 χ^2/NDF:5.0/6

+ sign 174.714+/-276.537 χ^2/NDF: 21.4/24

All: 366.261+/-197.004 χ^2/NDF: 34.2/50

- sign 563.650+/-280.722 χ^2/NDF: 11.8/25

asym_us_agg_dd_rms vs Slug



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 980.305+/-0.265 χ^2/NDF:347594.4/8

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

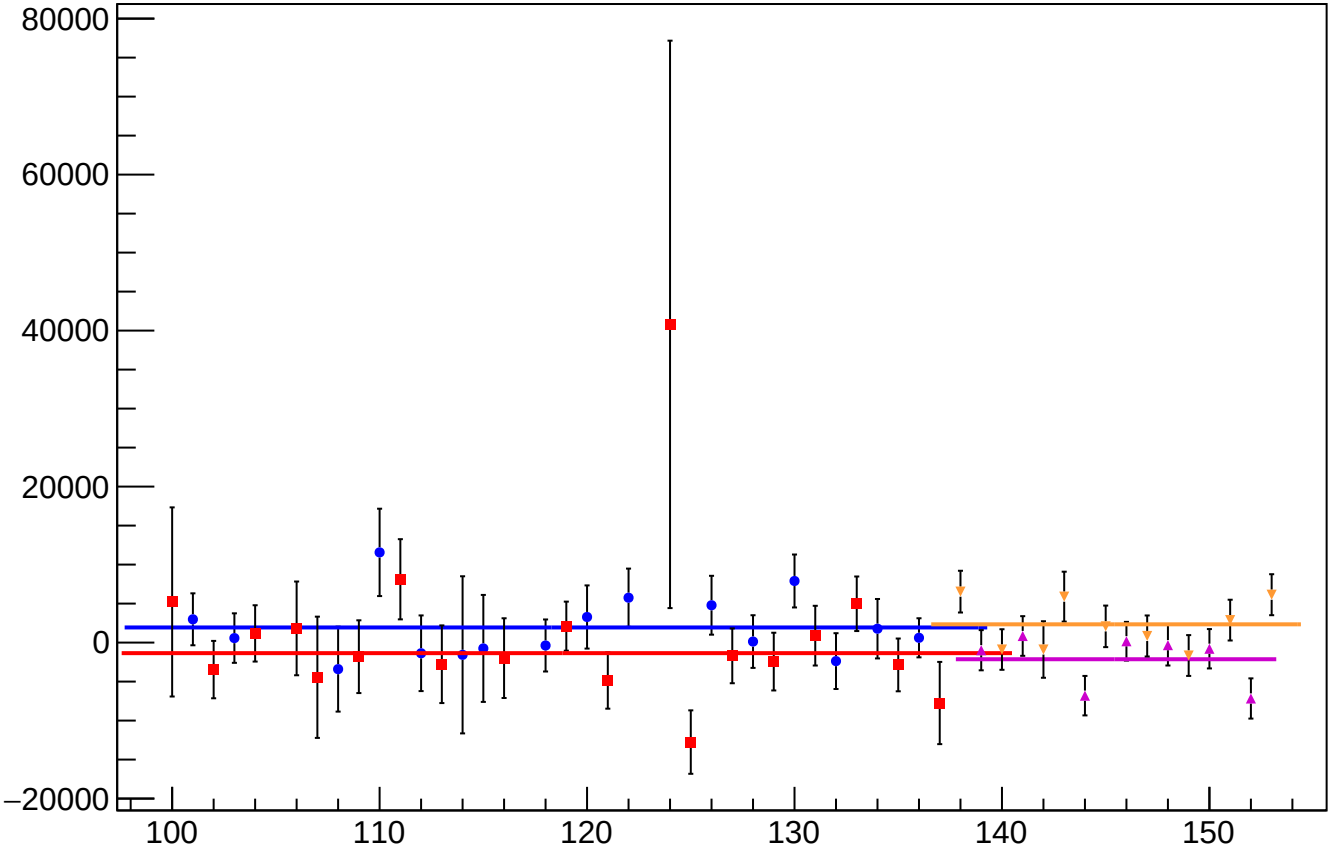
Left In: 950.876+/-0.272 χ^2/NDF:14232.2/6

+ sign 1030.692+/-0.196 χ^2/NDF: 704425.9/24

All: 1026.975+/-0.139 χ^2/NDF: 1385540.4/50

- sign 1023.144+/-0.199 χ^2/NDF: 680380.7/25

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2340.984+/-918.817 χ^2/NDF:10.8/8

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

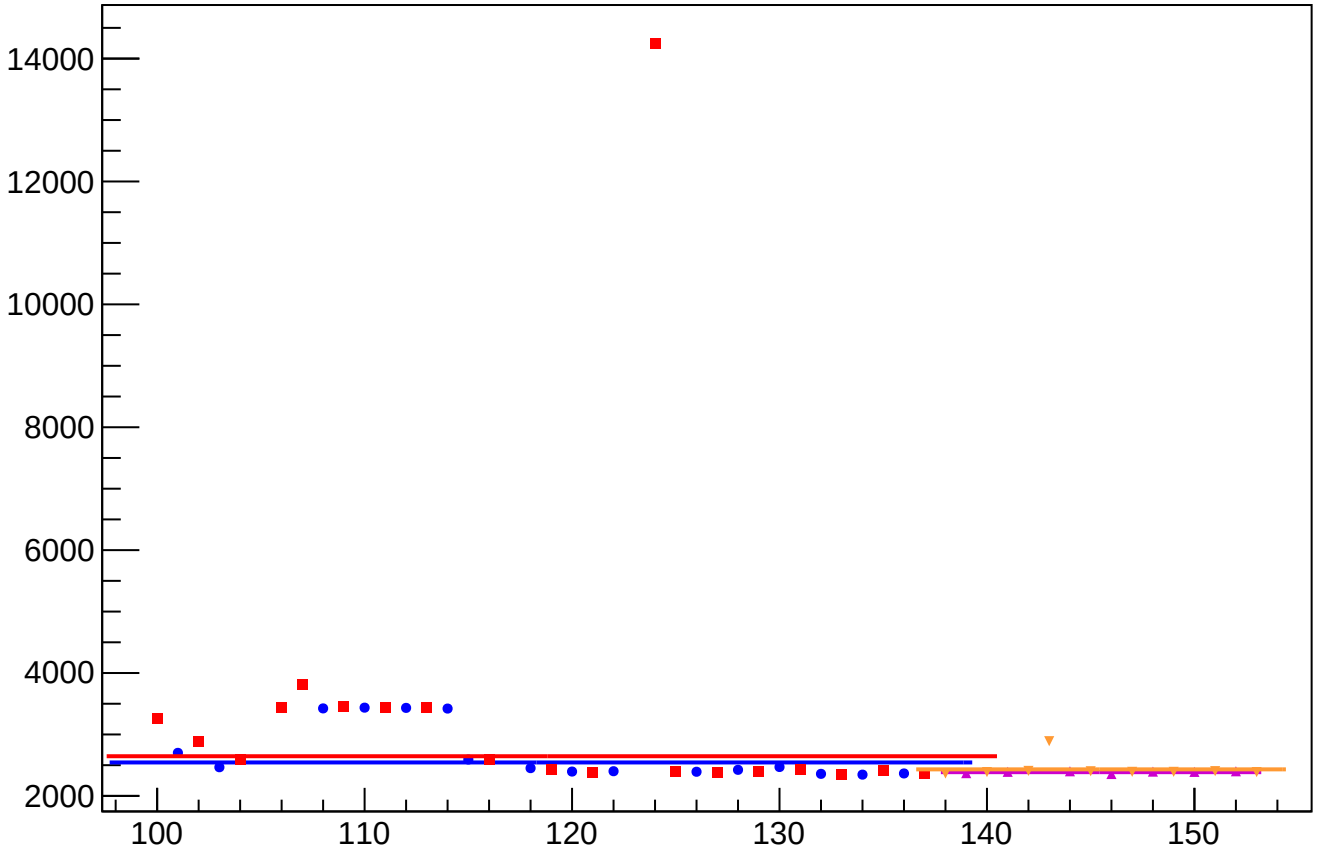
Left In: -2134.780+/-963.147 χ^2/NDF:10.4/6

+ sign 2147.549+/-661.301 χ^2/NDF: 23.2/24

All: 276.402+/-476.998 χ^2/NDF: 72.4/50

- sign -1752.915+/-688.685 χ^2/NDF: 32.5/25

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2431.921+/-0.650 χ^2/NDF:45070.7/8

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

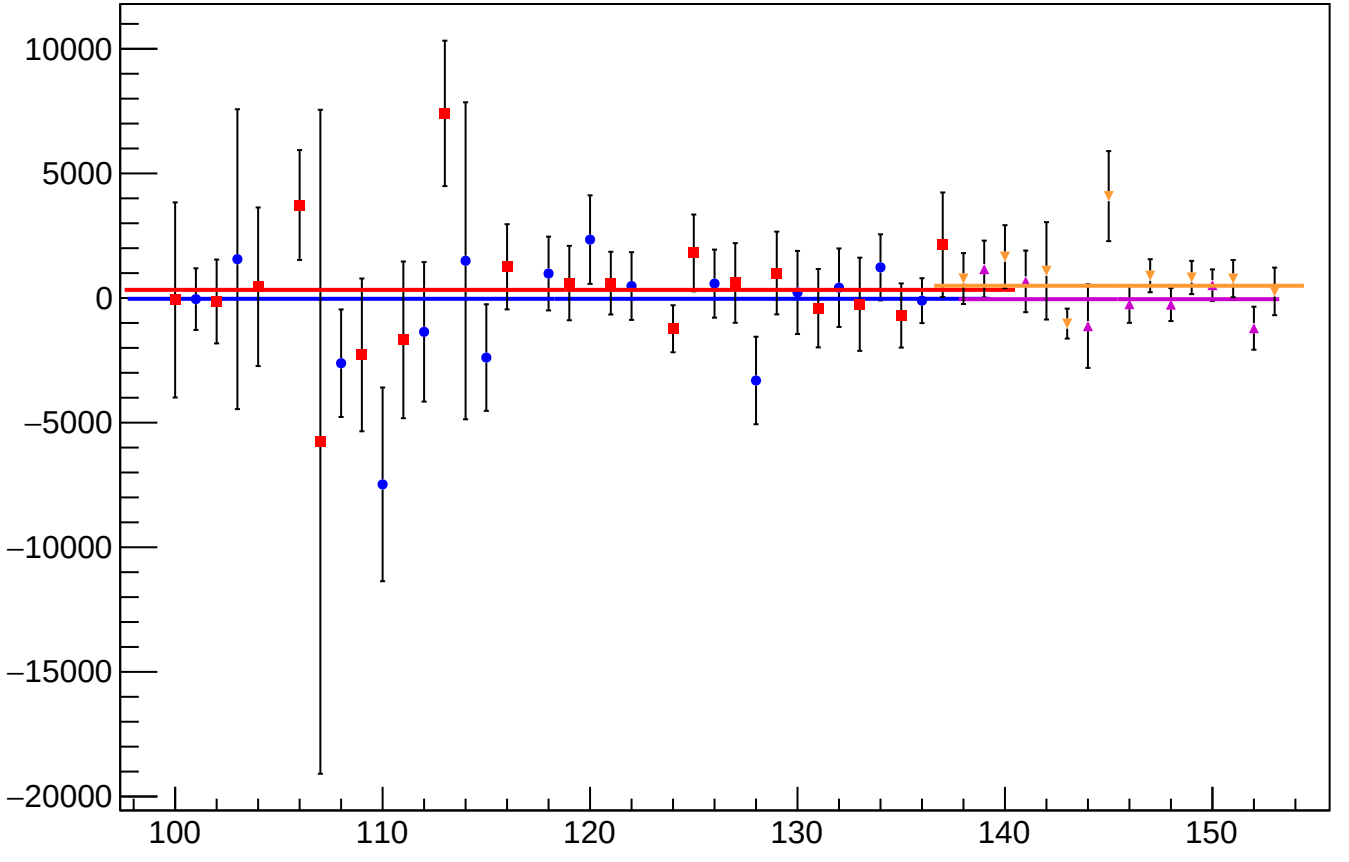
Left In: 2386.438+/-0.681 χ^2/NDF:531.2/6

+ sign 2486.142+/-0.468 χ^2/NDF: 285134.9/24

All: 2499.084+/-0.337 χ^2/NDF: 895023.8/50

- sign 2513.119+/-0.487 χ^2/NDF: 608292.2/25

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 492.441+/-284.680 χ^2/NDF:12.2/8

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

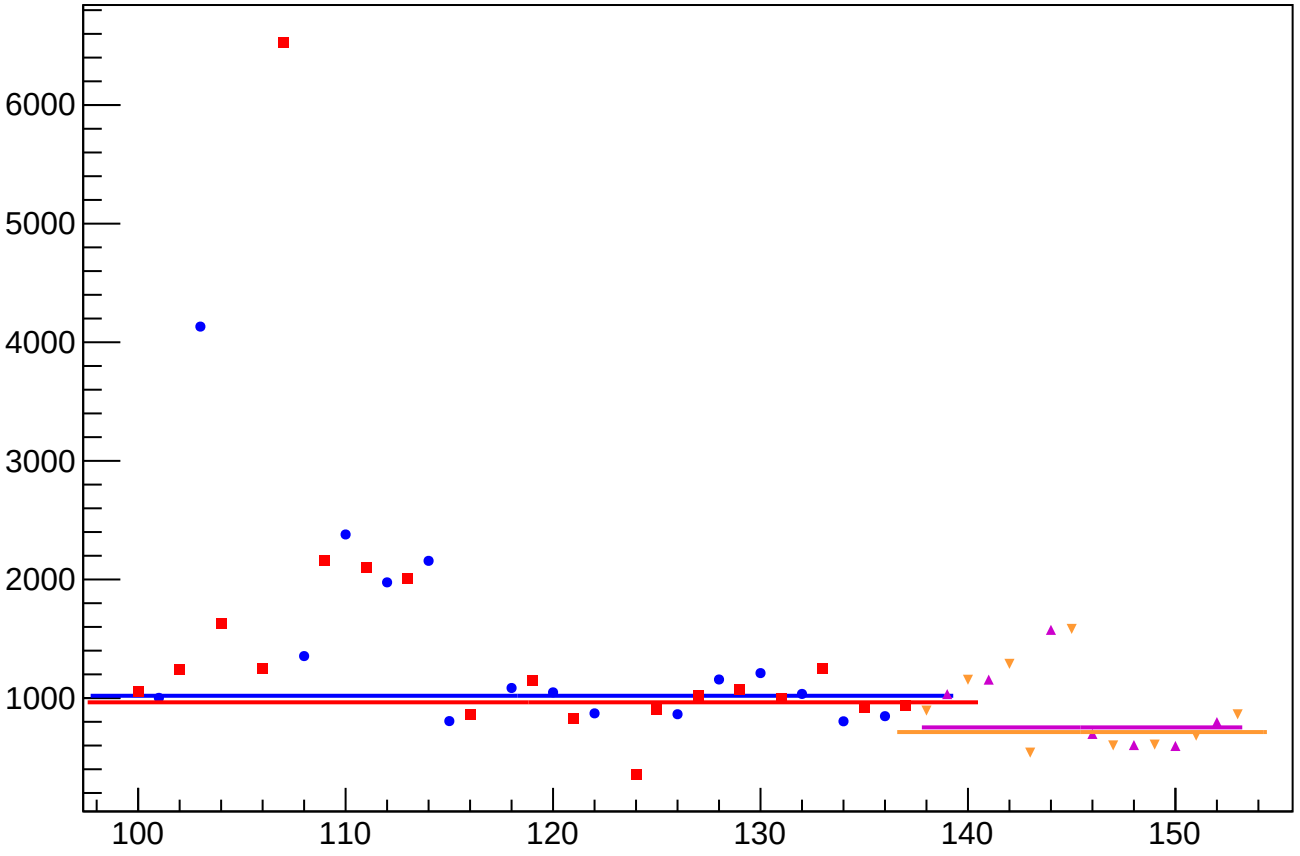
Left In: -45.149+/-321.246 χ^2/NDF:4.7/6

+ sign 319.693+/-233.038 χ^2/NDF: 27.1/24

All: 218.526+/-170.501 χ^2/NDF: 48.3/50

- sign 101.986+/-250.117 χ^2/NDF: 20.8/25

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 713.621+/-0.201 χ^2/NDF:1269479.7/8

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

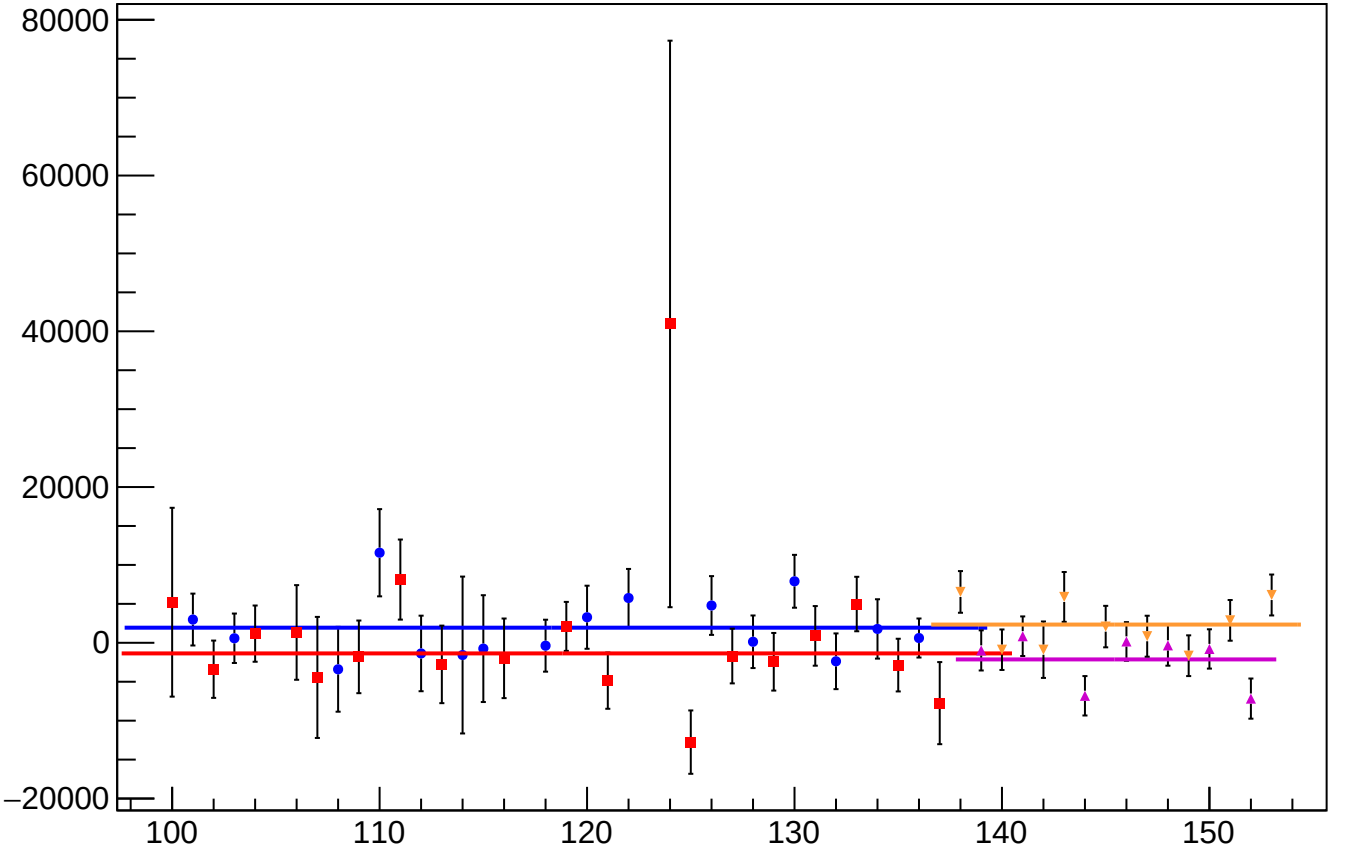
Left In: 753.022+/-0.227 χ^2/NDF:1054397.9/6

+ sign 814.539+/-0.165 χ^2/NDF: 3396068.8/24

All: 824.631+/-0.121 χ^2/NDF: 7108830.7/50

- sign 836.256+/-0.177 χ^2/NDF: 3704690.8/25

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2340.782+/-918.817 χ^2/NDF:10.8/8

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

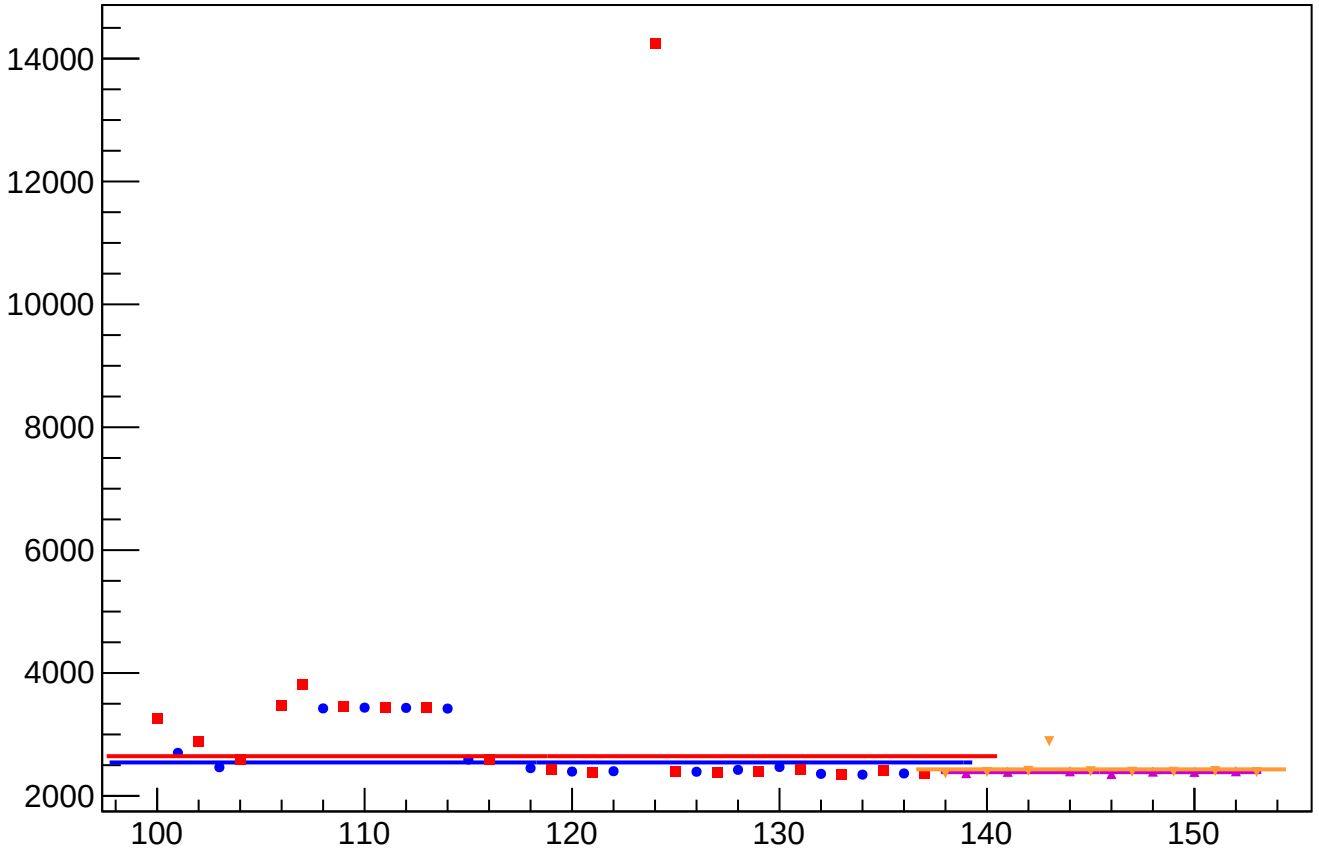
Left In: -2134.989+/-963.147 χ^2/NDF:10.4/6

+ sign 2147.613+/-661.301 χ^2/NDF: 23.2/24

All: 274.353+/-477.032 χ^2/NDF: 72.3/50

- sign -1757.861+/-688.787 χ^2/NDF: 32.4/25

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2431.921+/-0.650 χ^2/NDF:45070.7/8

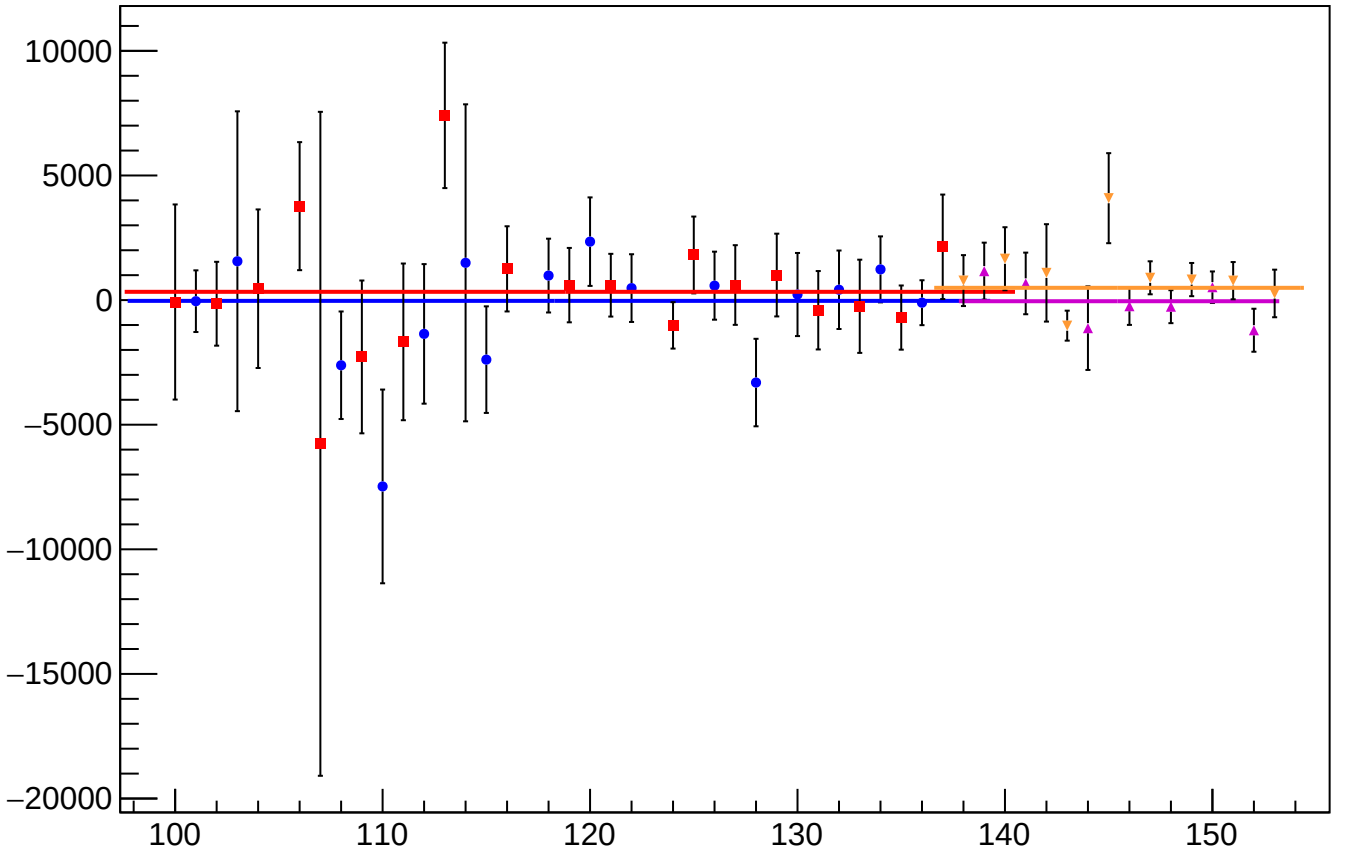
Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2386.438+/-0.681 χ^2/NDF:531.2/6

+ sign 2486.142+/-0.468 χ^2/NDF: 285134.9/24

All: 2499.193+/-0.337 χ^2/NDF: 897914.8/50

- sign 2513.352+/-0.487 χ^2/NDF: 611155.8/25



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 492.324+/-284.684 χ^2/NDF:12.2/8

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

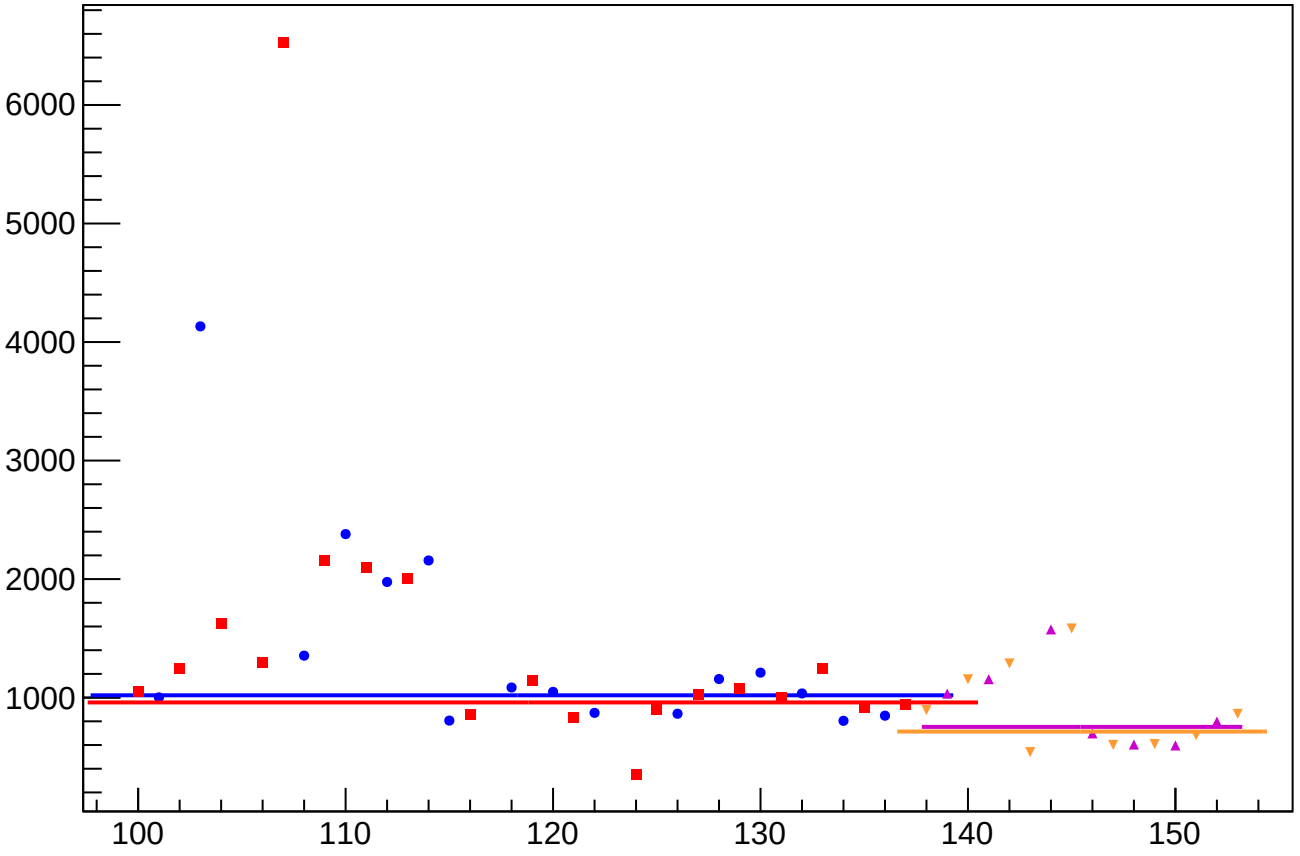
Left In: -45.261+/-321.243 χ^2/NDF:4.7/6

+ sign 319.589+/-233.039 χ^2/NDF: 27.1/24

All: 218.996+/-170.561 χ^2/NDF: 47.1/50

- sign 102.944+/-250.305 χ^2/NDF: 19.6/25

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.633+/-0.201 χ^2/NDF:1269422.5/8

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

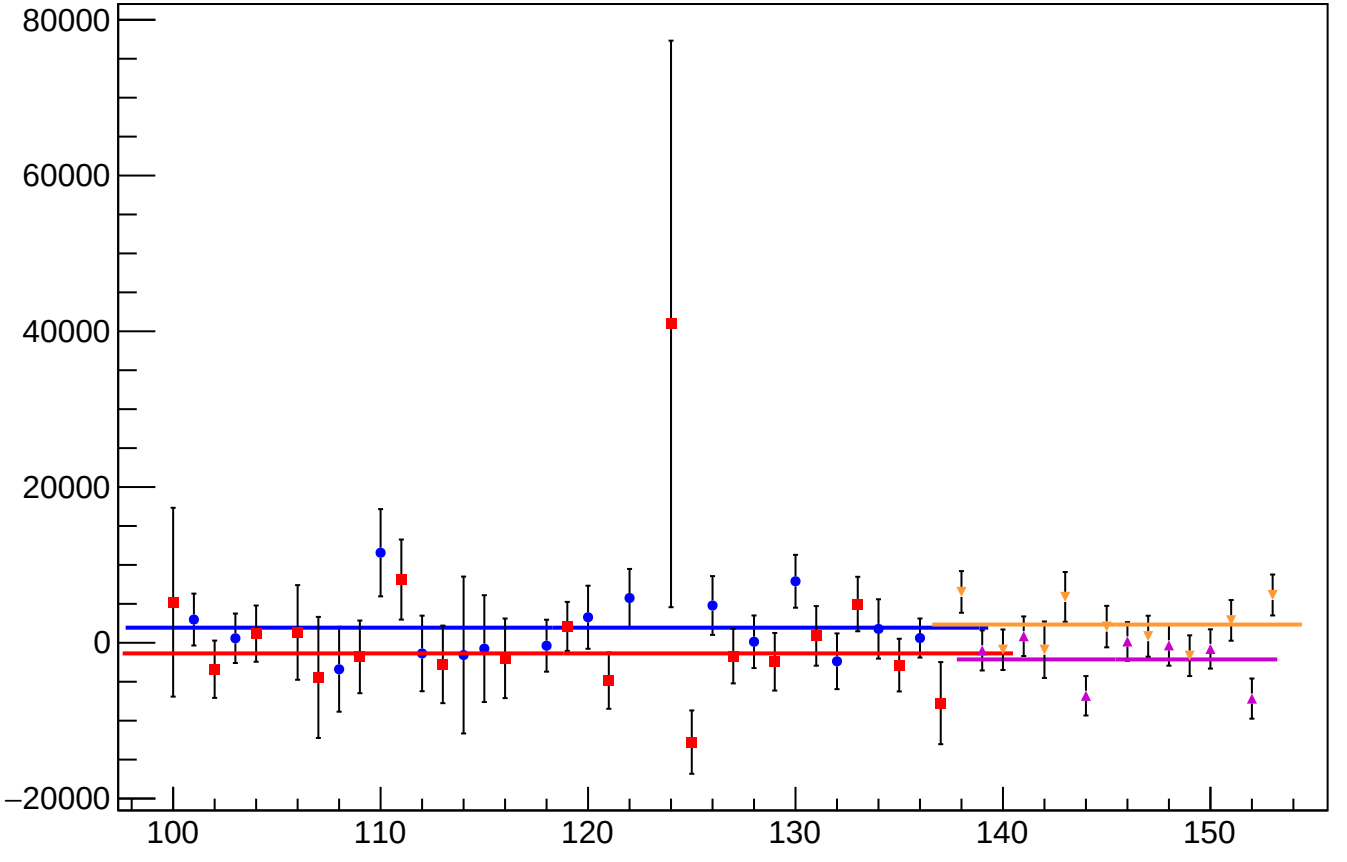
Left In: 753.013+/-0.227 χ^2/NDF:1054443.0/6

+ sign 814.547+/-0.165 χ^2/NDF: 3395906.4/24

All: 823.615+/-0.121 χ^2/NDF: 7125465.9/50

- sign 834.077+/-0.177 χ^2/NDF: 3723036.9/25

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2340.782+/-918.817 χ^2/NDF:10.8/8

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

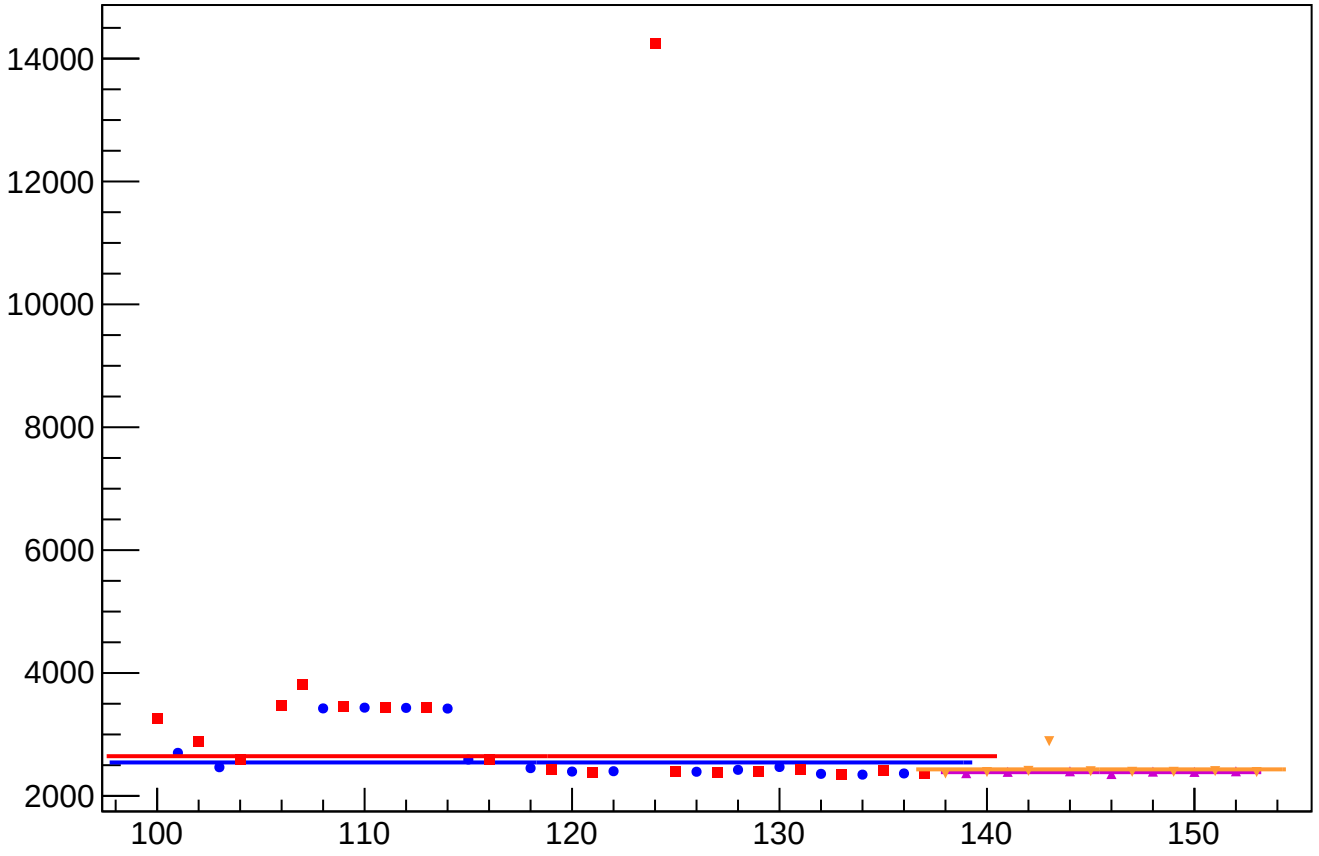
Left In: -2134.989+/-963.147 χ^2/NDF:10.4/6

+ sign 2147.613+/-661.301 χ^2/NDF: 23.2/24

All: 274.353+/-477.032 χ^2/NDF: 72.3/50

- sign -1757.861+/-688.787 χ^2/NDF: 32.4/25

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2431.921+/-0.650 χ^2/NDF:45070.7/8

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

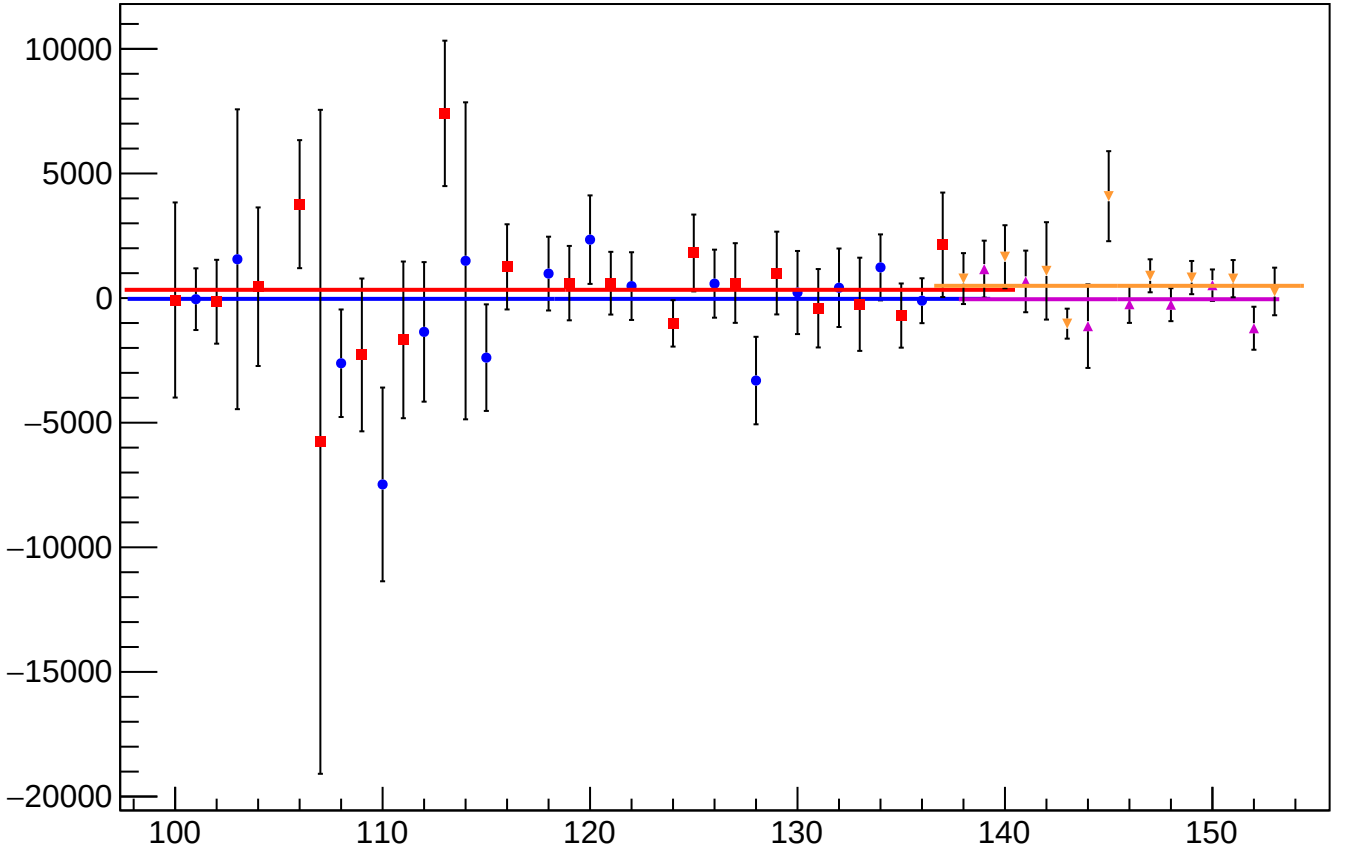
Left In: 2386.438+/-0.681 χ^2/NDF:531.2/6

+ sign 2486.142+/-0.468 χ^2/NDF: 285134.9/24

All: 2499.193+/-0.337 χ^2/NDF: 897914.8/50

- sign 2513.352+/-0.487 χ^2/NDF: 611155.8/25

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 492.324+/-284.684 χ^2/NDF:12.2/8

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

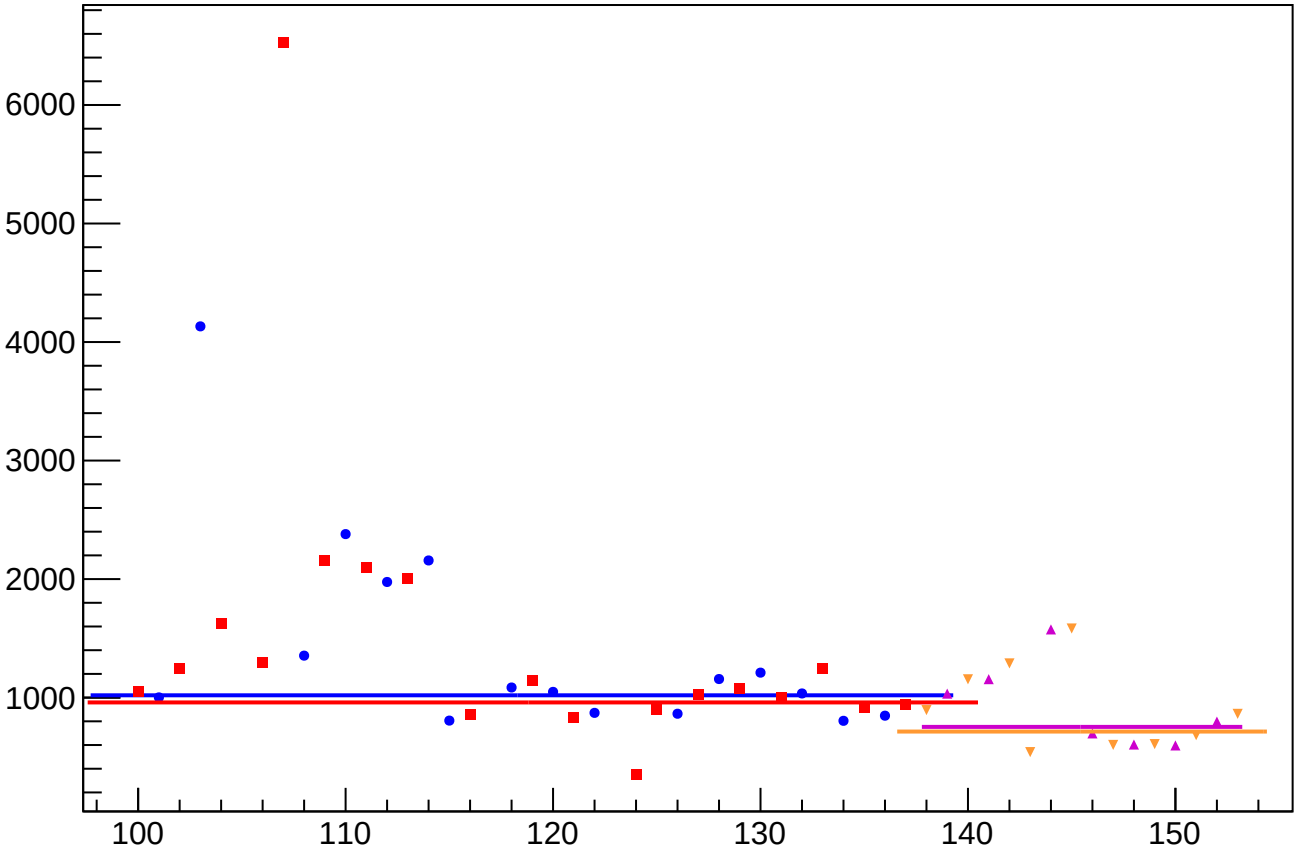
Left In: -45.261+/-321.243 χ^2/NDF:4.7/6

+ sign 319.589+/-233.039 χ^2/NDF: 27.1/24

All: 218.996+/-170.561 χ^2/NDF: 47.1/50

- sign 102.944+/-250.305 χ^2/NDF: 19.6/25

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.633+/-0.201 χ^2/NDF:1269422.5/8

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

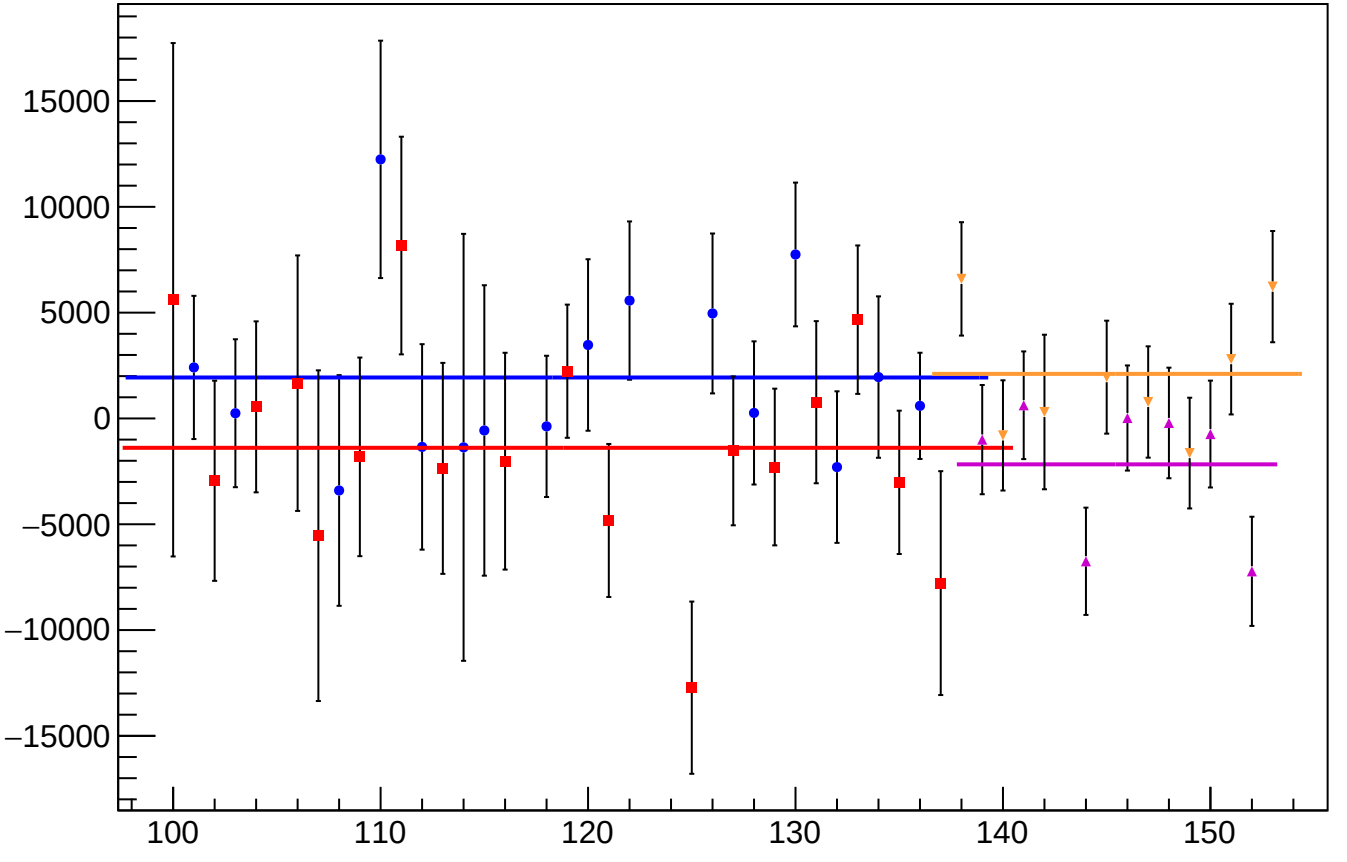
Left In: 753.013+/-0.227 χ^2/NDF:1054443.0/6

+ sign 814.547+/-0.165 χ^2/NDF: 3395906.4/24

All: 823.615+/-0.121 χ^2/NDF: 7125465.9/50

- sign 834.077+/-0.177 χ^2/NDF: 3723036.9/25

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2106.121+/-960.651 χ^2/NDF:9.1/7

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

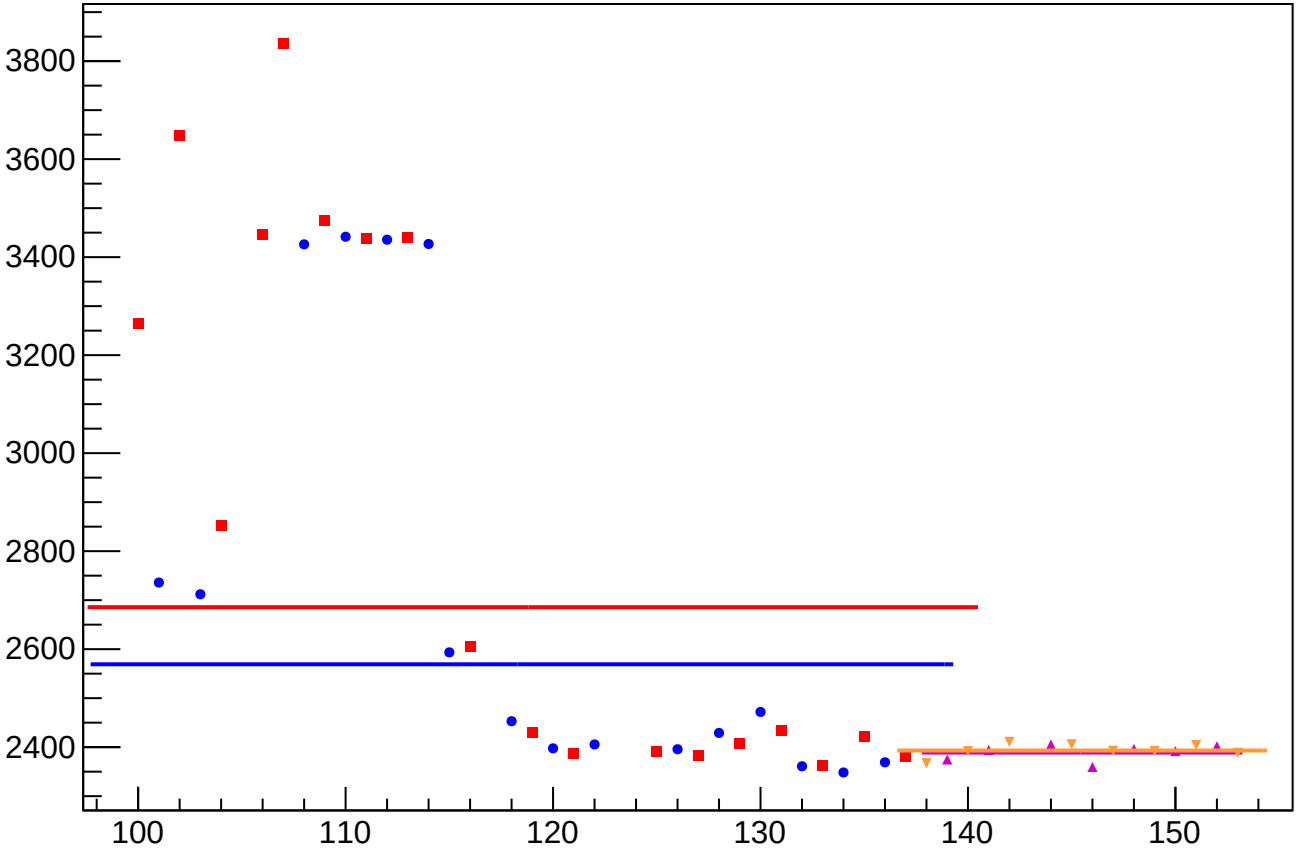
Left In: -2169.052+/-964.172 χ^2/NDF:10.2/6

+ sign 2021.204+/-679.873 χ^2/NDF: 21.5/23

All: 160.354+/-486.725 χ^2/NDF: 67.1/48

- sign -1796.086+/-697.116 χ^2/NDF: 30.2/24

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2393.178+/-0.679 χ^2/NDF:320.9/7

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

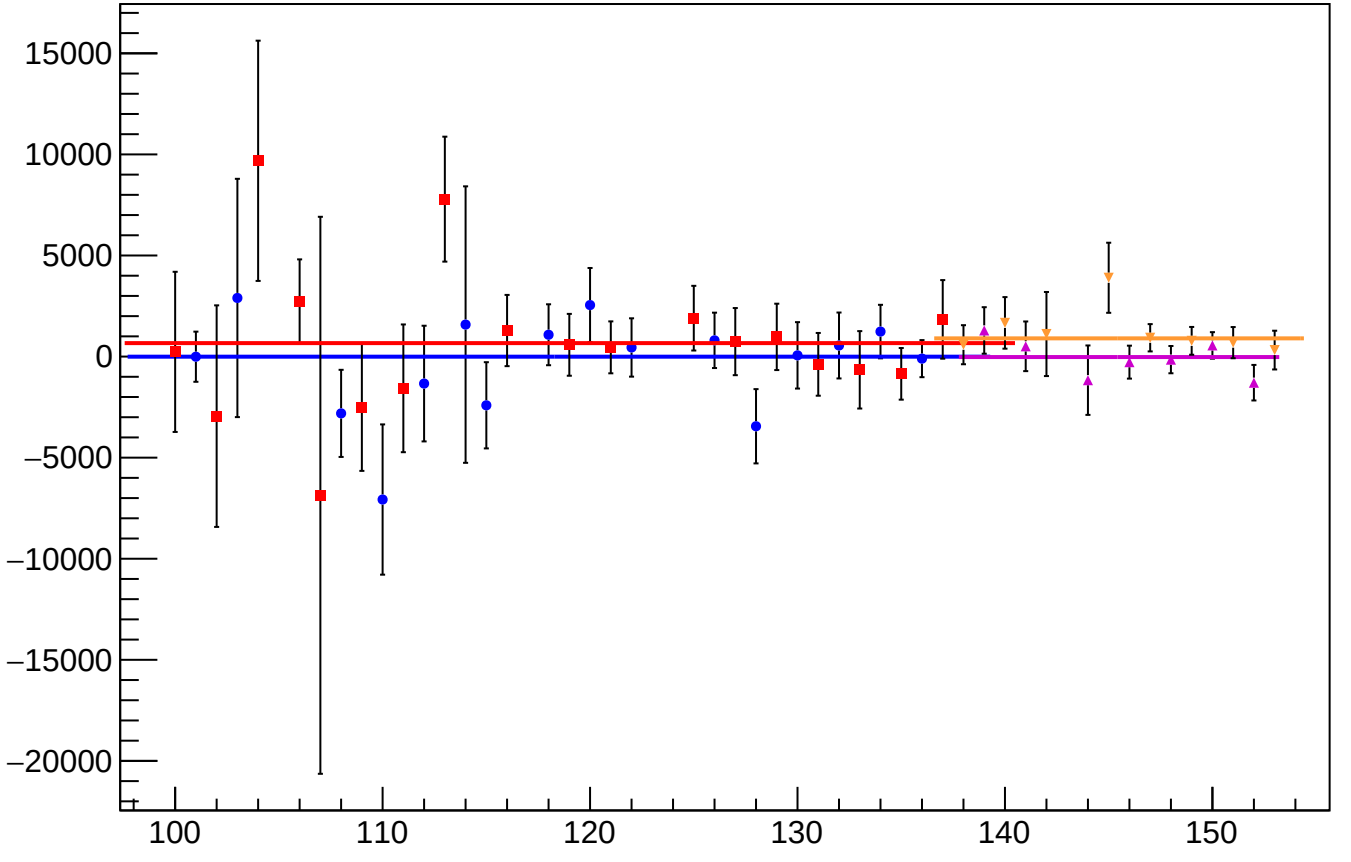
Left In: 2388.958+/-0.682 χ^2/NDF:500.3/6

+ sign 2481.001+/-0.481 χ^2/NDF: 263297.3/23

All: 2505.162+/-0.344 χ^2/NDF: 778638.3/48

- sign 2530.563+/-0.493 χ^2/NDF: 510159.8/24

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 900.816+/-327.334 χ^2/NDF:3.9/7

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

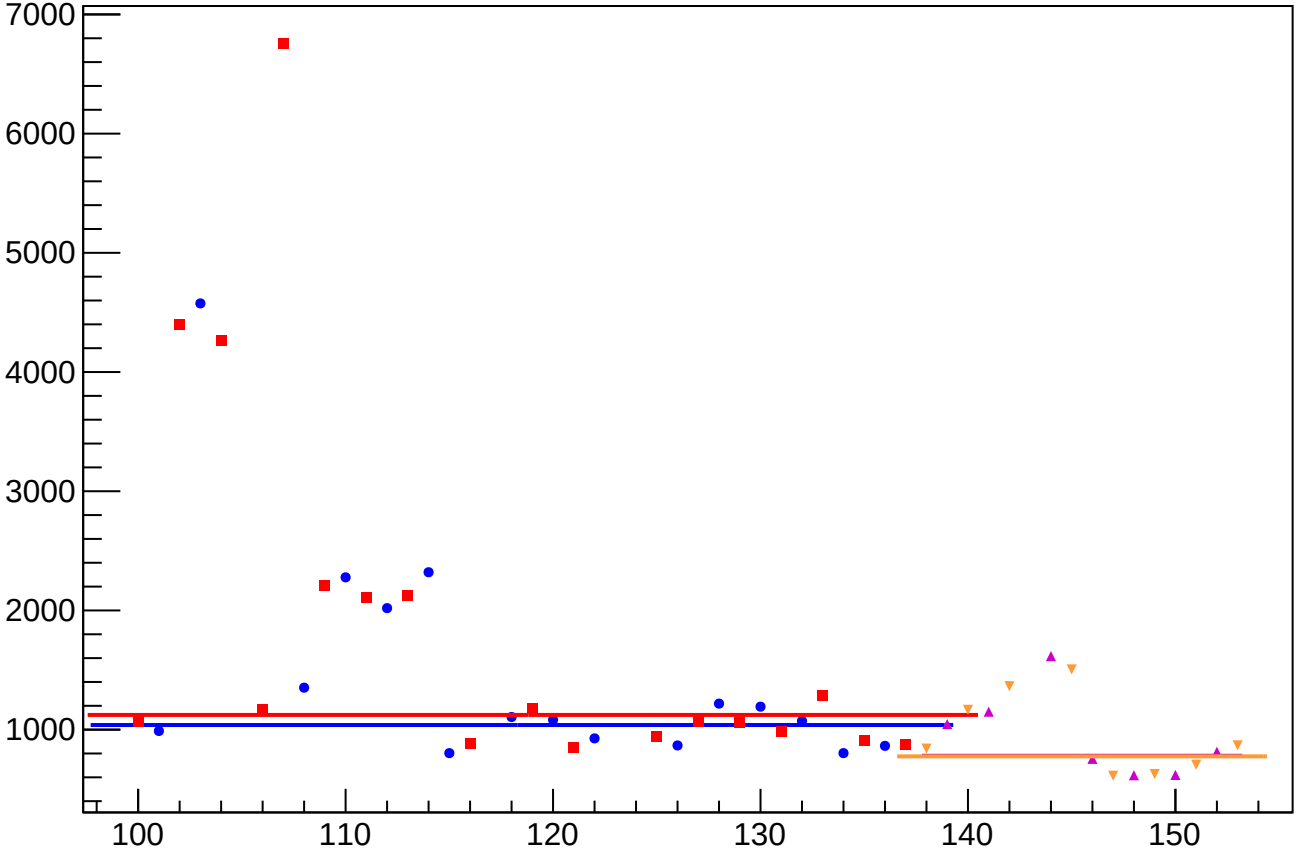
Left In: -23.656+/-331.729 χ^2/NDF:4.9/6

+ sign 550.489+/-256.351 χ^2/NDF: 21.4/23

All: 389.463+/-185.632 χ^2/NDF: 43.0/48

- sign 211.935+/-269.165 χ^2/NDF: 20.8/24

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 775.867+/-0.231 χ^2/NDF:955352.0/7

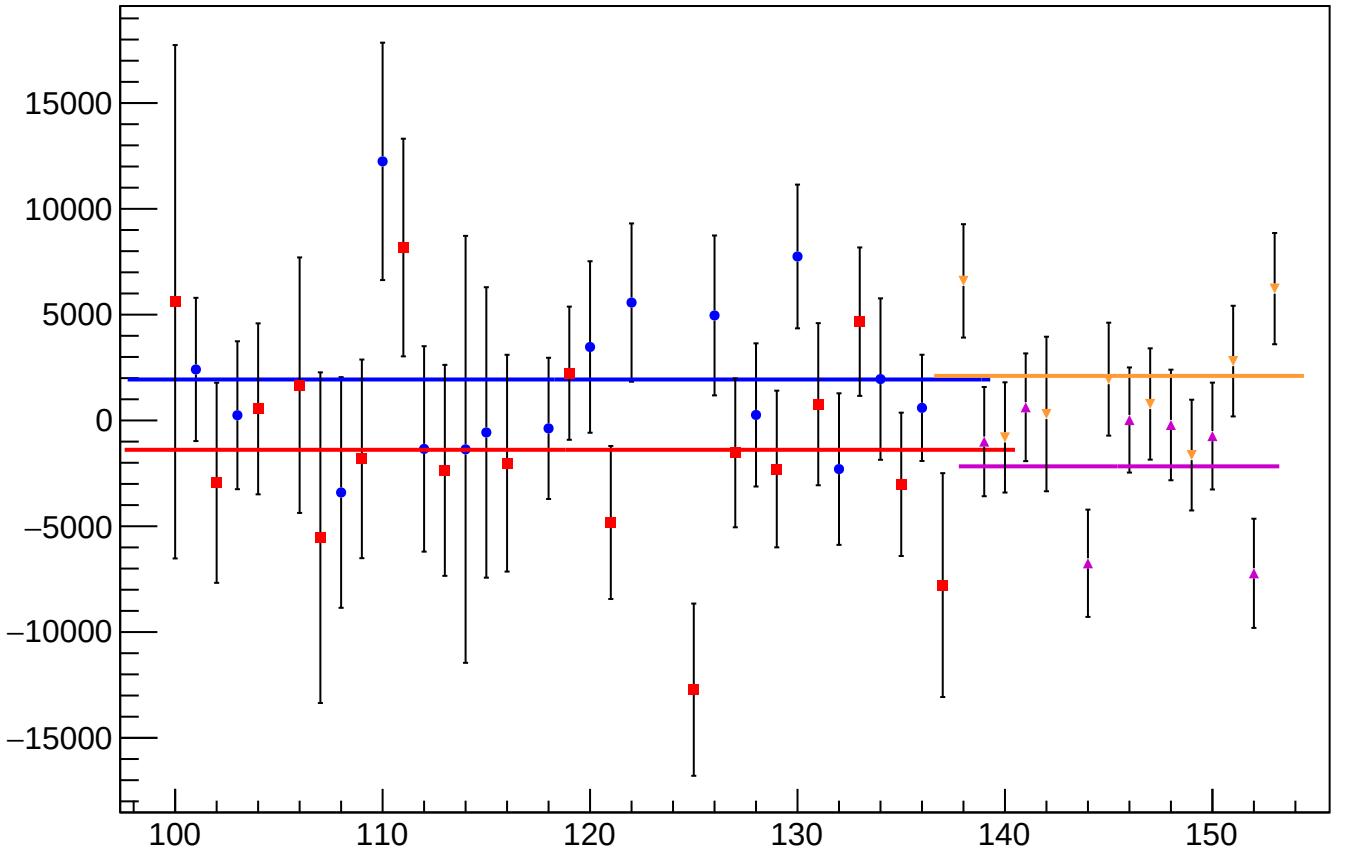
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 780.857+/-0.235 χ^2/NDF:1004908.9/6

+ sign 877.539+/-0.181 χ^2/NDF: 2994083.0/23

All: 887.226+/-0.131 χ^2/NDF: 7269353.6/48

- sign 897.905+/-0.190 χ^2/NDF: 4269266.5/24



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2106.124+/-960.651 χ^2/NDF:9.1/7

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

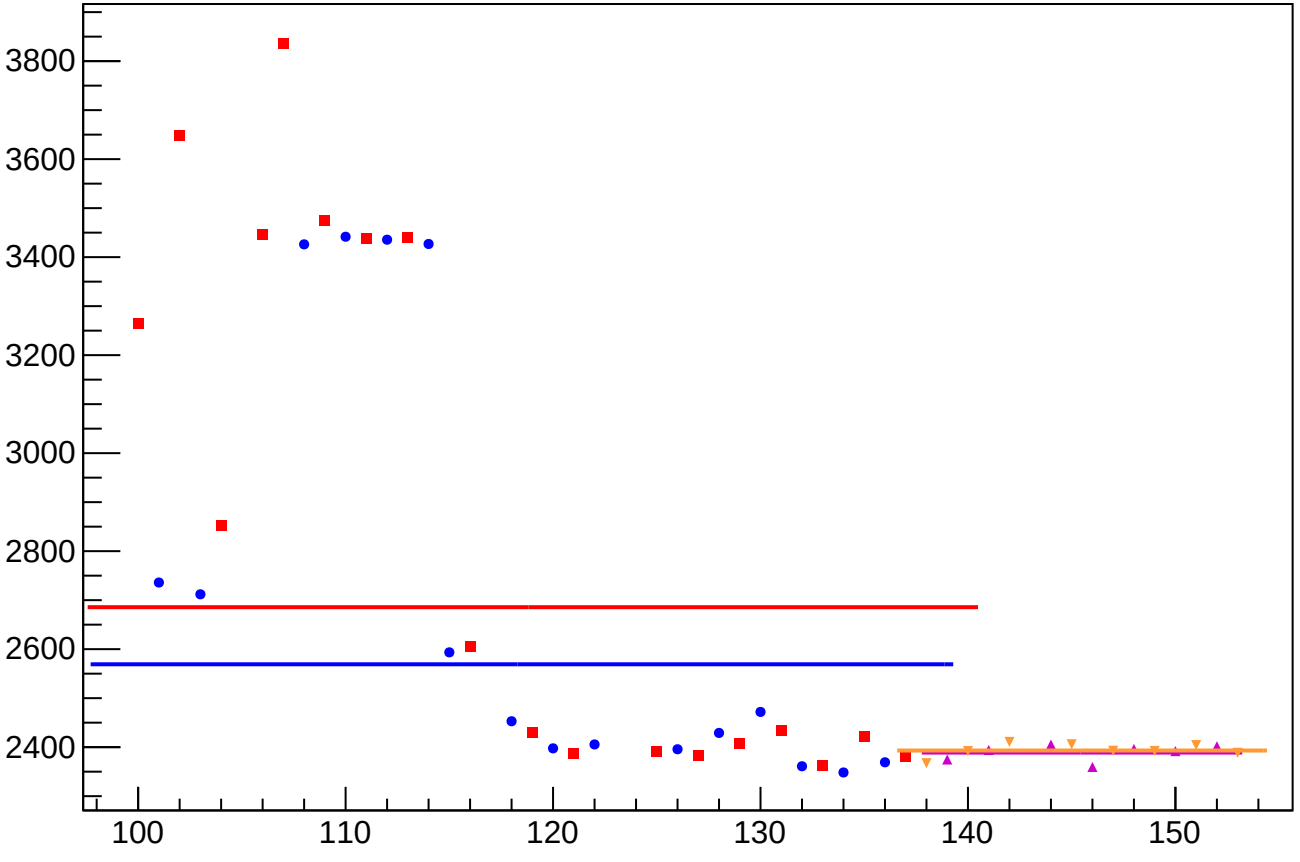
Left In: -2169.051+/-964.172 χ^2/NDF:10.2/6

+ sign 2021.204+/-679.873 χ^2/NDF: 21.5/23

All: 160.355+/-486.725 χ^2/NDF: 67.1/48

- sign -1796.084+/-697.116 χ^2/NDF: 30.2/24

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2393.178+/-0.679 χ^2/NDF:320.9/7

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

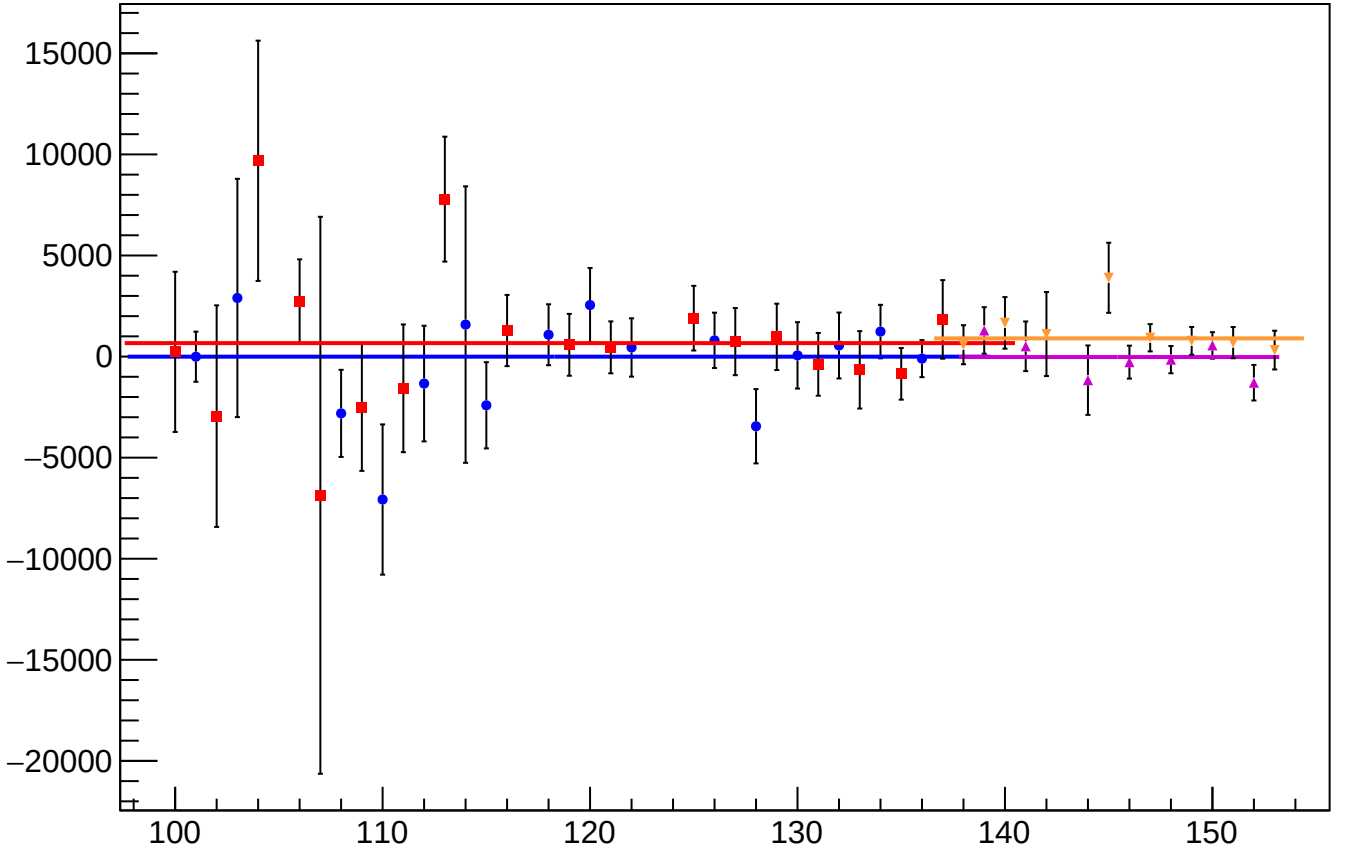
Left In: 2388.958+/-0.682 χ^2/NDF:500.3/6

+ sign 2481.001+/-0.481 χ^2/NDF: 263296.9/23

All: 2505.161+/-0.344 χ^2/NDF: 778637.1/48

- sign 2530.563+/-0.493 χ^2/NDF: 510159.0/24

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 900.817+/-327.334 χ^2/NDF:3.9/7

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

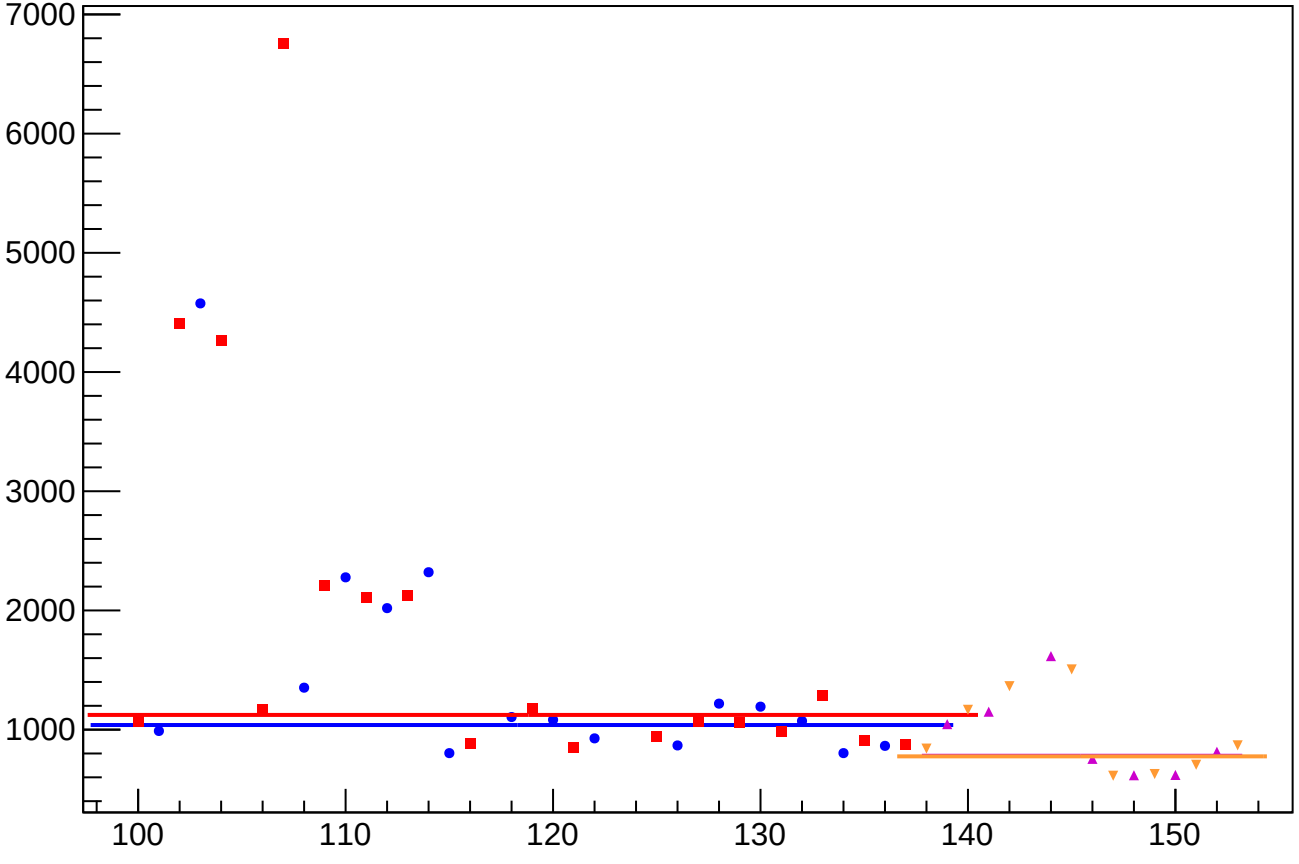
Left In: -23.656+/-331.730 χ^2/NDF:4.9/6

+ sign 550.488+/-256.351 χ^2/NDF: 21.4/23

All: 389.462+/-185.633 χ^2/NDF: 43.0/48

- sign 211.935+/-269.166 χ^2/NDF: 20.8/24

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 775.868+/-0.231 χ^2/NDF:955349.5/7

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

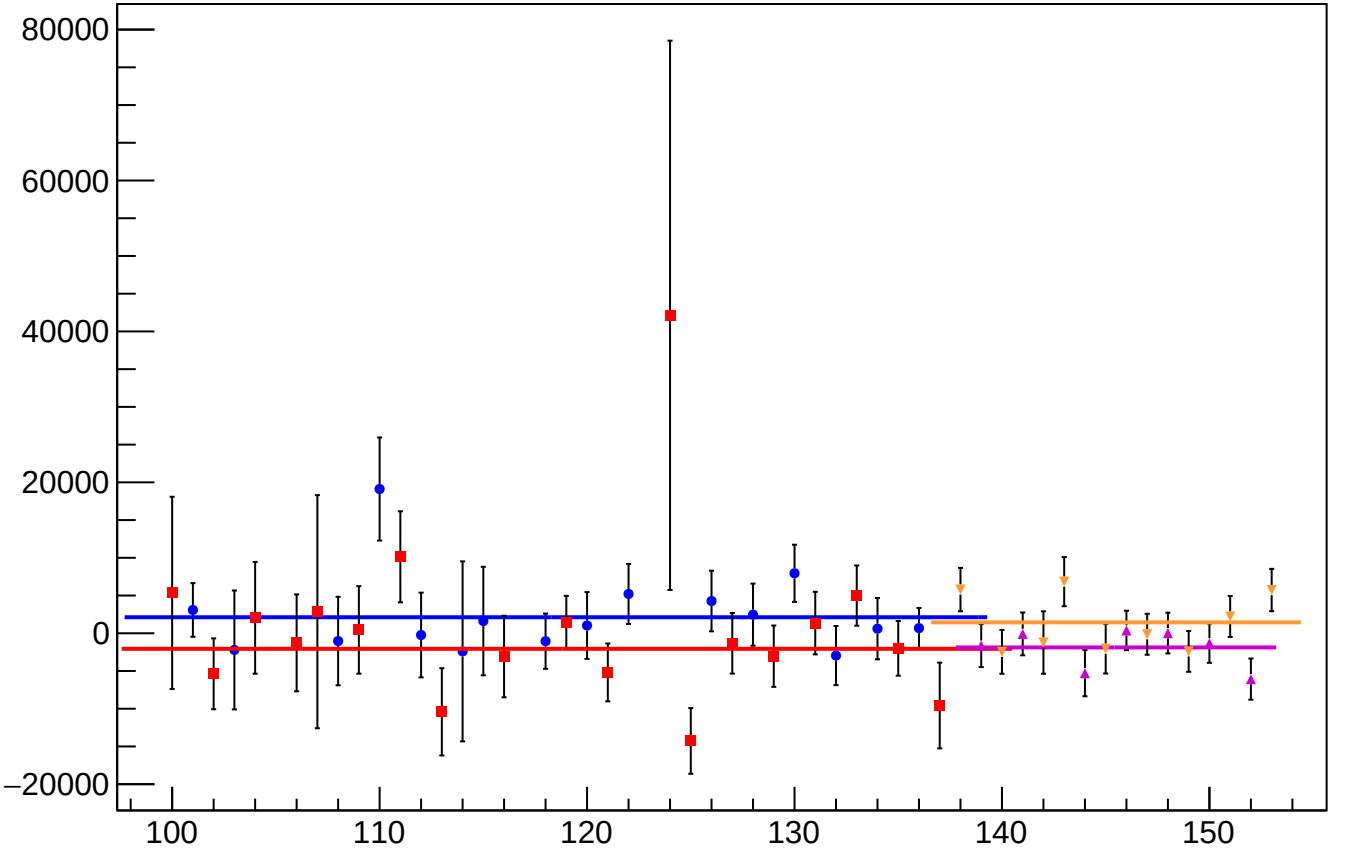
Left In: 780.858+/-0.235 χ^2/NDF:1004906.3/6

+ sign 877.540+/-0.181 χ^2/NDF: 2994071.6/23

All: 887.227+/-0.131 χ^2/NDF: 7269331.6/48

- sign 897.906+/-0.190 χ^2/NDF: 4269255.9/24

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1446.003+/-990.161 χ^2/NDF:13.2/8

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

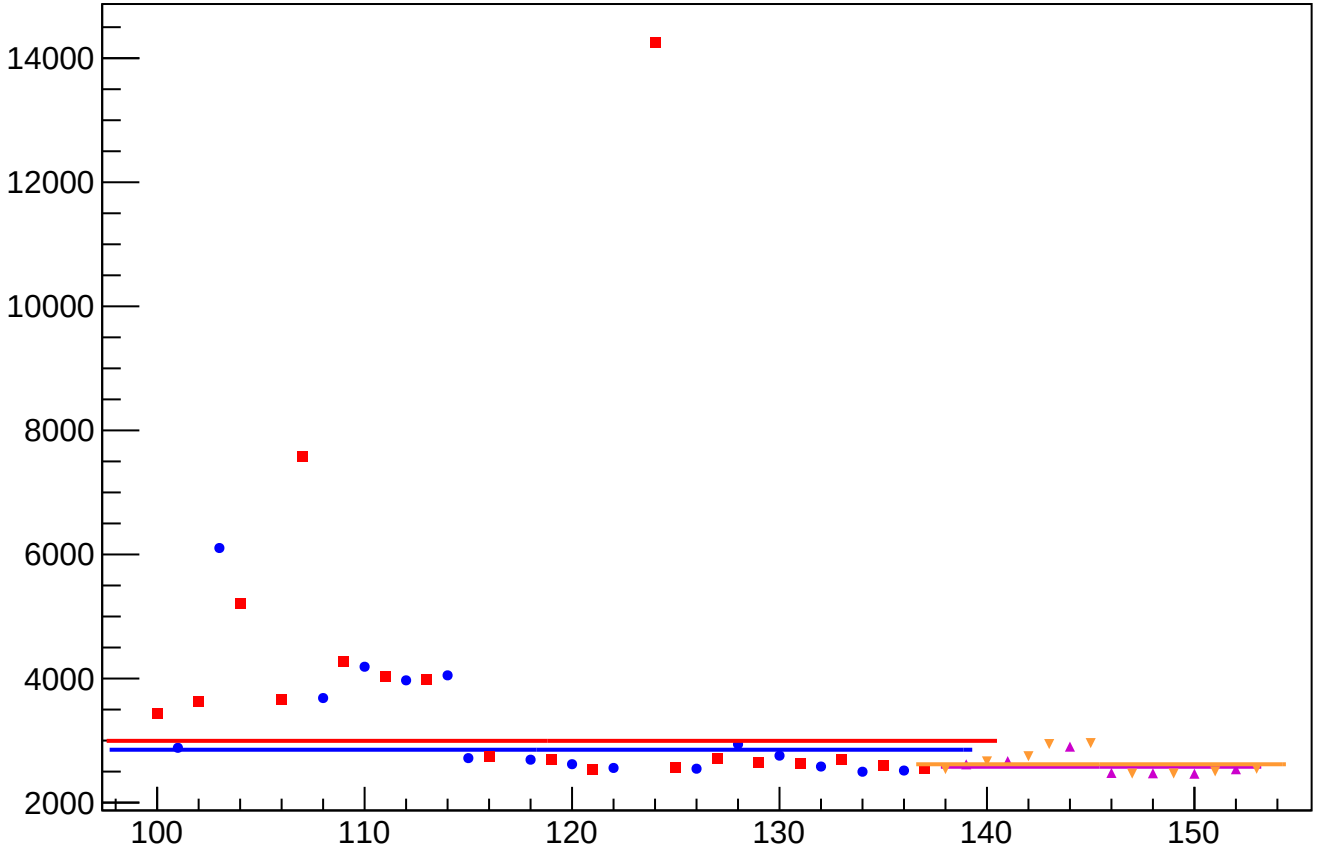
Left In: -1878.064+/-1042.274 χ^2/NDF:5.3/6

+ sign 1753.260+/-731.292 χ^2/NDF: 26.8/24

All: -12.403+/-529.685 χ^2/NDF: 68.7/50

- sign -1961.036+/-768.249 χ^2/NDF: 29.6/25

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2618.058+/-0.700 χ^2/NDF:62510.2/8

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

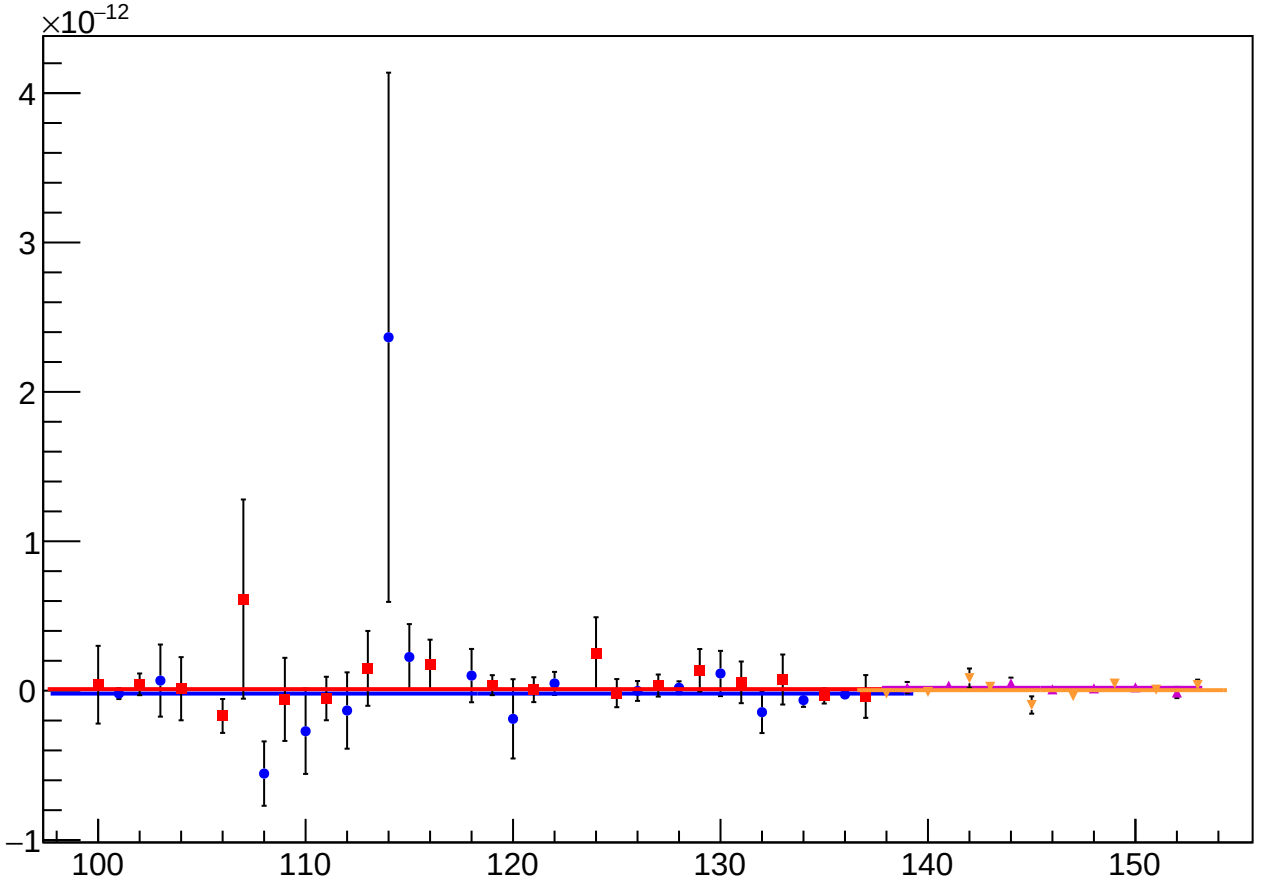
Left In: 2577.855+/-0.737 χ^2/NDF:34951.6/6

+ sign 2724.485+/-0.517 χ^2/NDF: 762060.1/24

All: 2745.458+/-0.375 χ^2/NDF: 1926318.7/50

- sign 2768.605+/-0.543 χ^2/NDF: 1160798.1/25

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

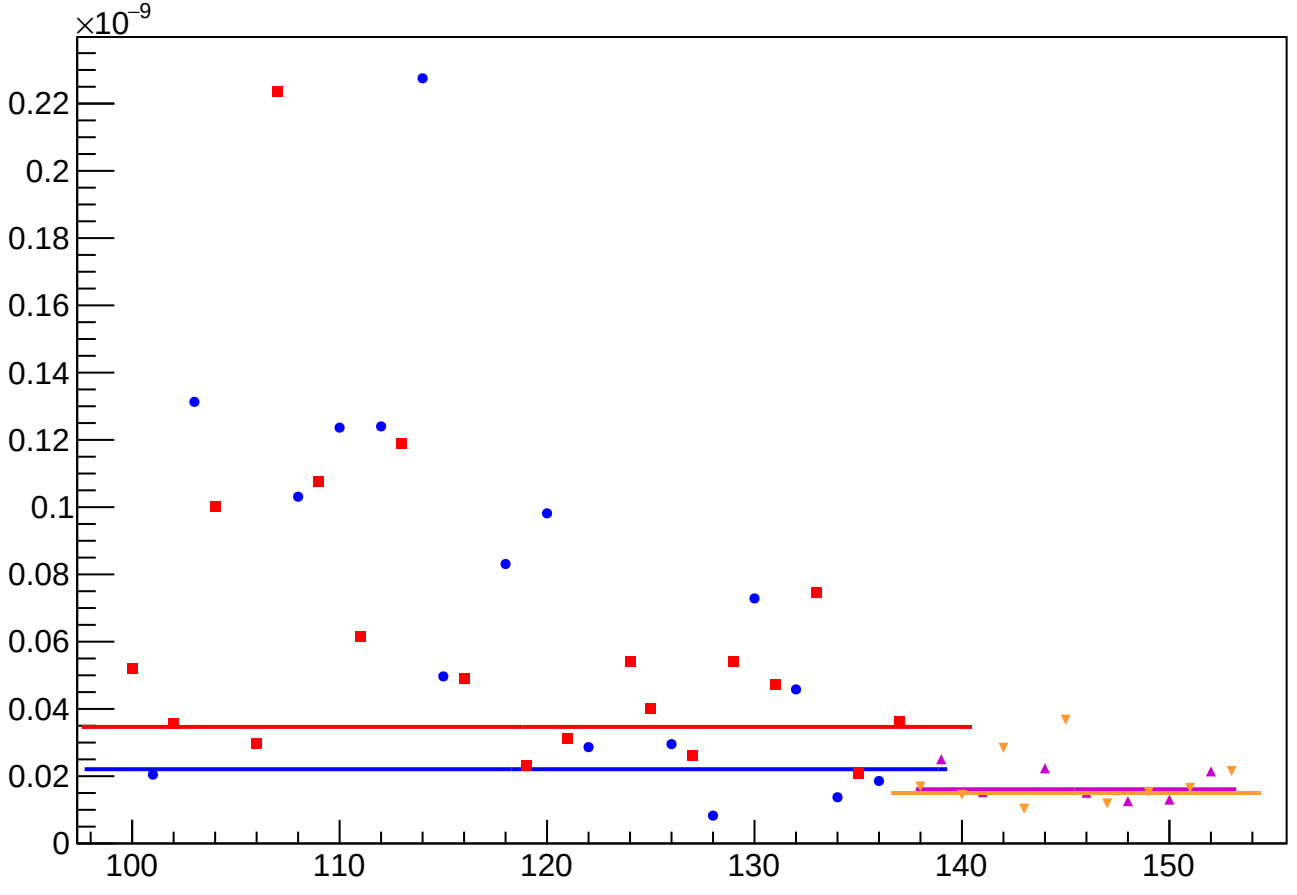
Left In: 0.000+/-0.000 χ^2/NDF:1.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/24

All: 0.000+/-0.000 χ^2/NDF: 42.6/50

- sign 0.000+/-0.000 χ^2/NDF: 10.2/25

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:606748.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

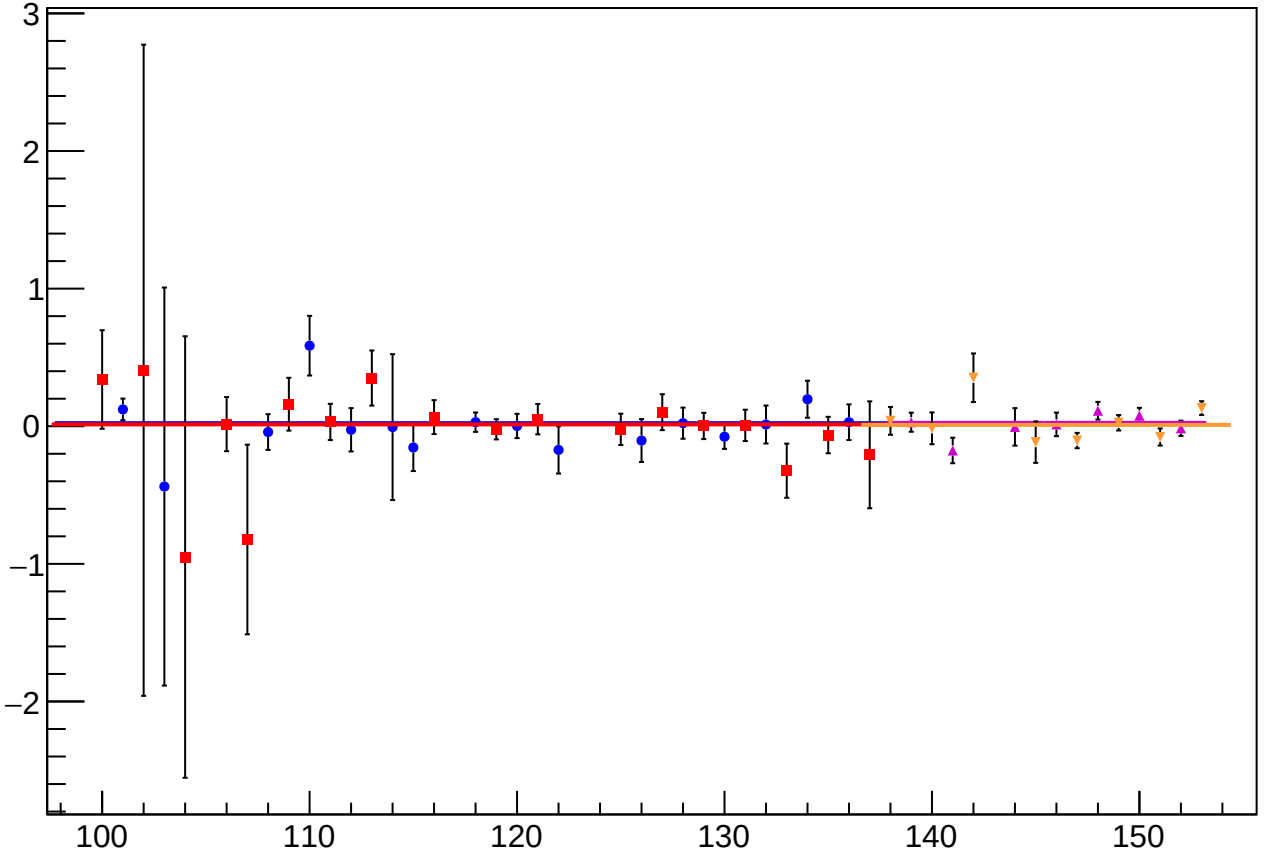
Left In: 0.000+/-0.000 χ^2/NDF:291205.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 3213011.3/24

All: 0.000+/-0.000 χ^2/NDF: 5785112.5/50

- sign 0.000+/-0.000 χ^2/NDF: 2489637.1/25

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.025 χ^2/NDF:16.8/7

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

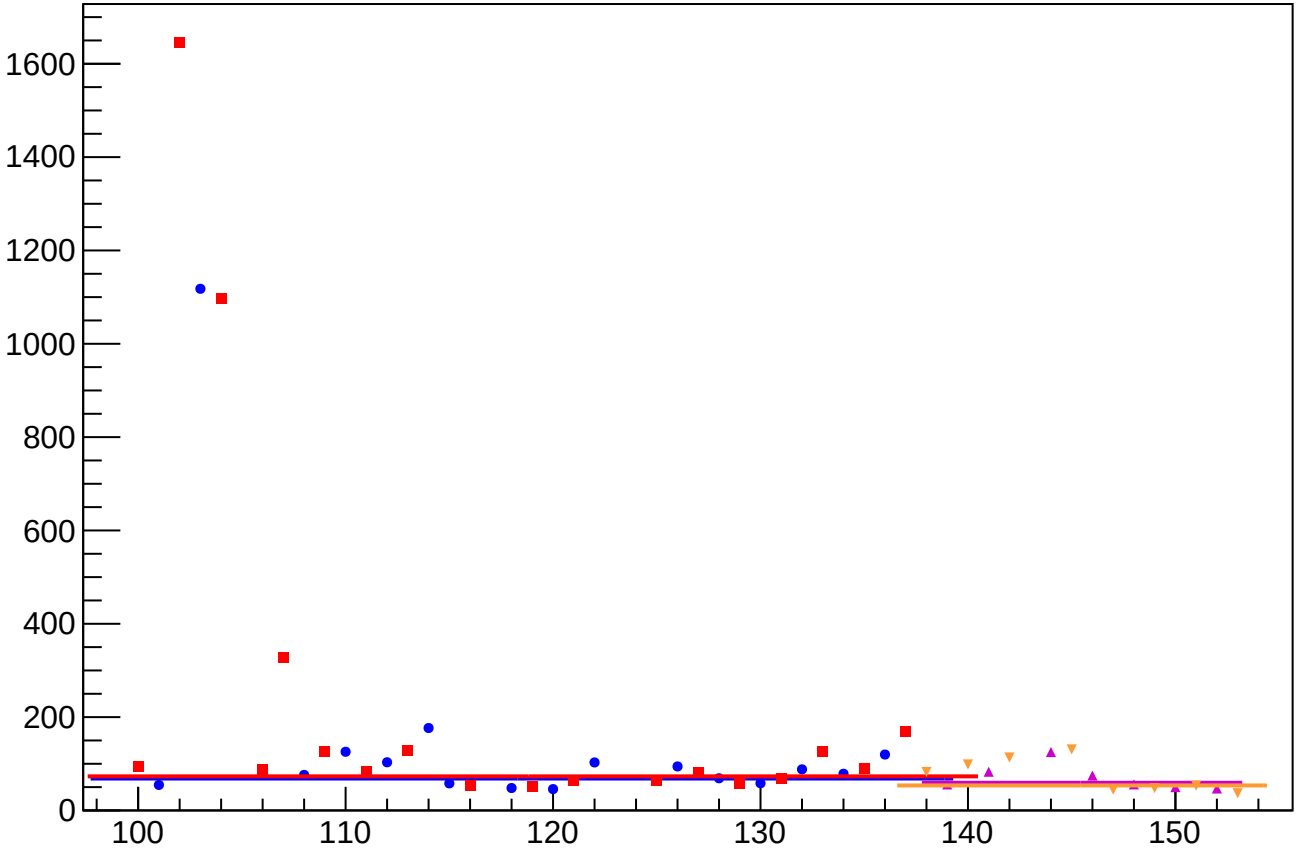
Left In: 0.024+/-0.027 χ^2/NDF:8.0/6

+ sign 0.015+/-0.019 χ^2/NDF: 31.7/23

All: 0.017+/-0.014 χ^2/NDF: 50.6/48

- sign 0.020+/-0.021 χ^2/NDF: 18.9/24

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 53.617+/-0.018 χ^2/NDF:1516114.3/7

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

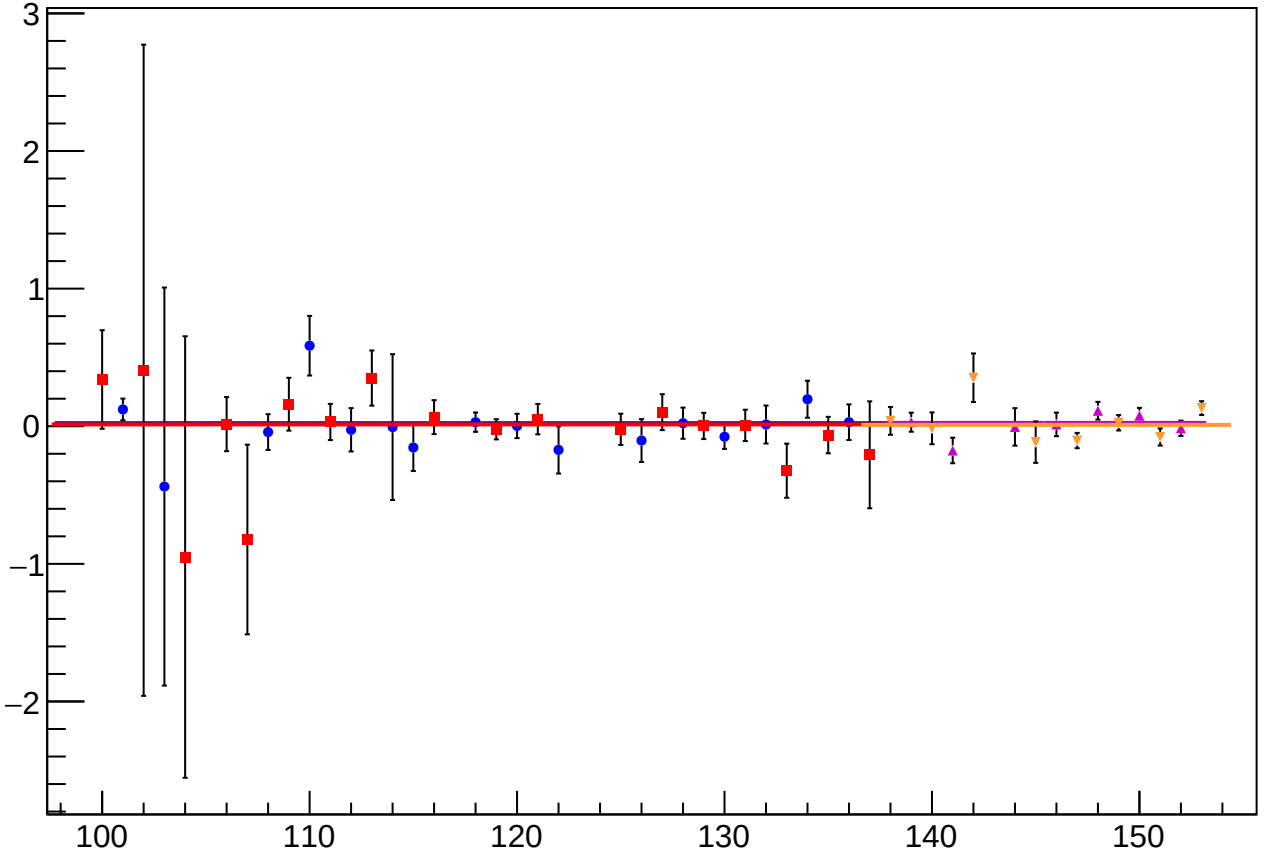
Left In: 59.328+/-0.019 χ^2/NDF:825460.6/6

+ sign 59.773+/-0.014 χ^2/NDF: 4076304.3/23

All: 62.054+/-0.010 χ^2/NDF: 8079769.8/48

- sign 64.699+/-0.015 χ^2/NDF: 3943977.4/24

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.025 χ^2/NDF:16.8/7

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

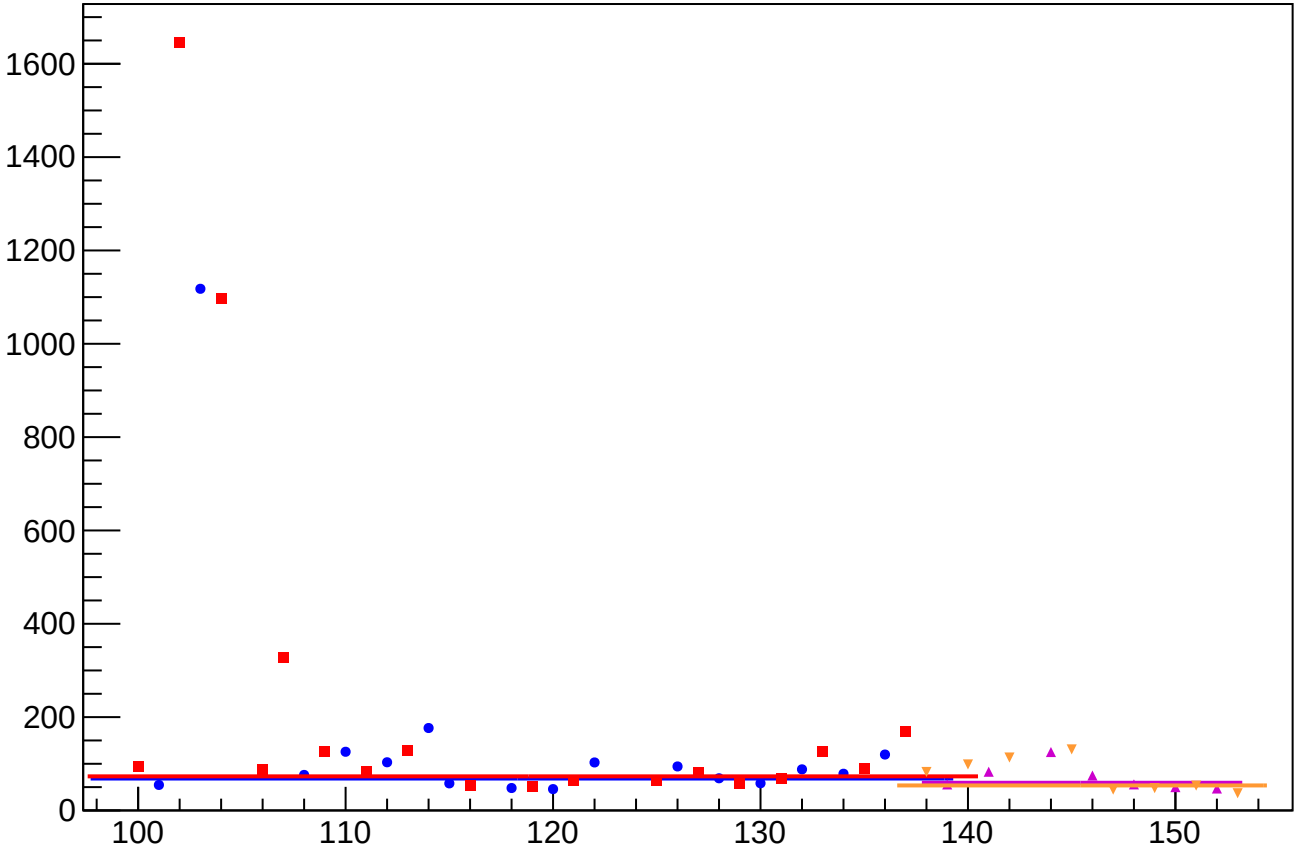
Left In: 0.024+/-0.027 χ^2/NDF:8.0/6

+ sign 0.015+/-0.019 χ^2/NDF: 31.7/23

All: 0.017+/-0.014 χ^2/NDF: 50.6/48

- sign 0.020+/-0.021 χ^2/NDF: 18.9/24

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 53.617+/-0.018 χ^2/NDF:1516114.3/7

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

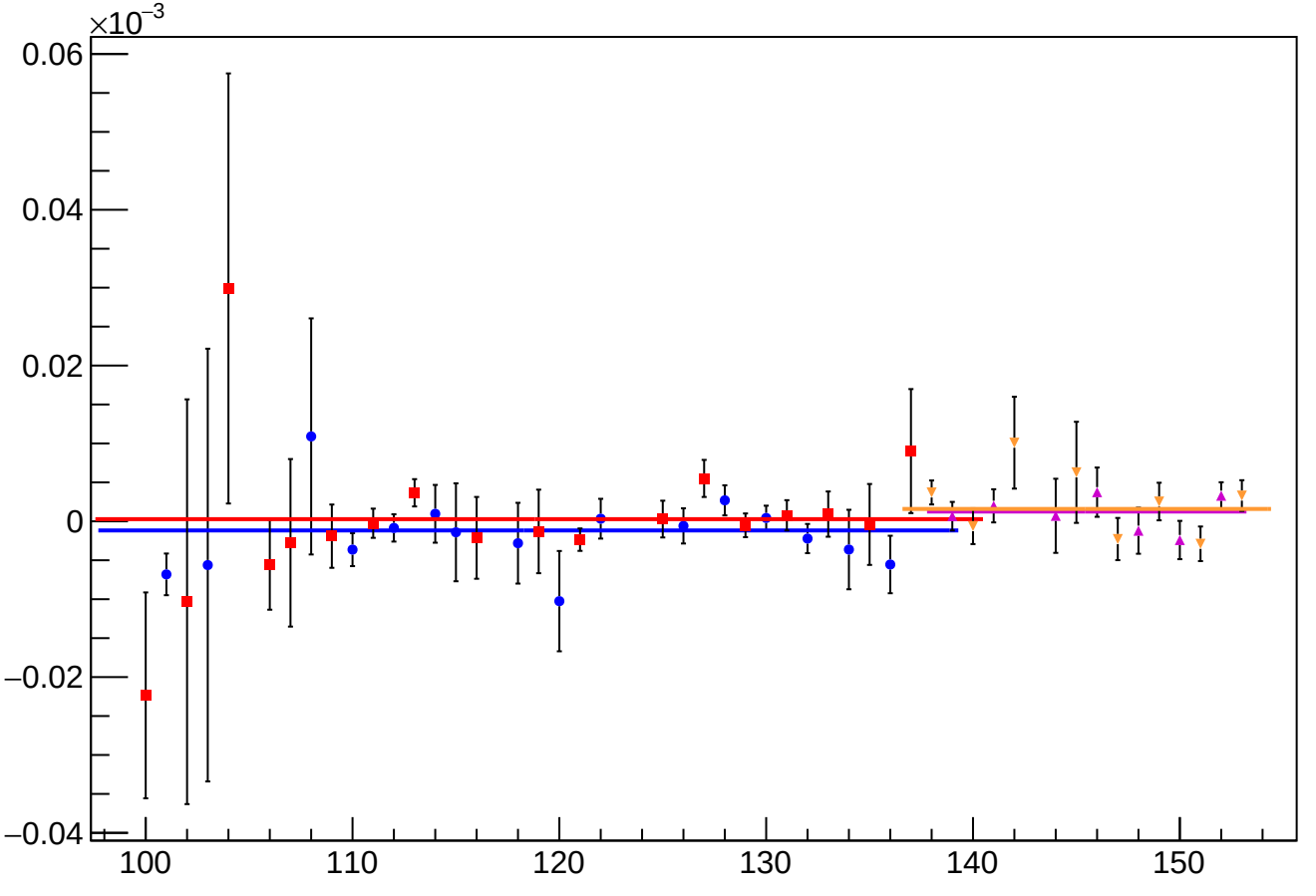
Left In: 59.328+/-0.019 χ^2/NDF:825460.6/6

+ sign 59.773+/-0.014 χ^2/NDF: 4076304.3/23

All: 62.054+/-0.010 χ^2/NDF: 8079769.8/48

- sign 64.699+/-0.015 χ^2/NDF: 3943977.4/24

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

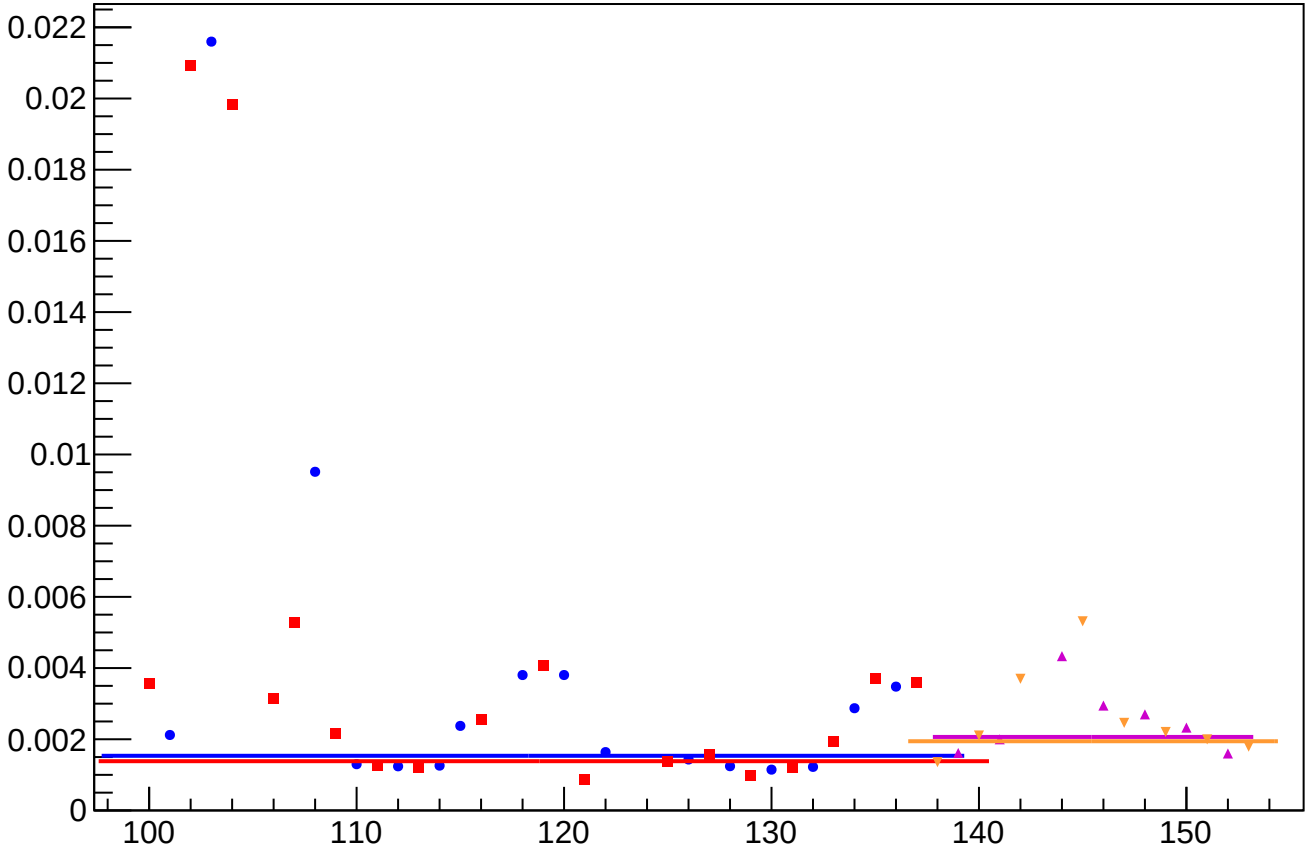
Left In: 0.000+/-0.000 χ^2/NDF:5.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/23

All: 0.000+/-0.000 χ^2/NDF: 61.9/48

- sign 0.000+/-0.000 χ^2/NDF: 25.5/24

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1125644.8/7

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

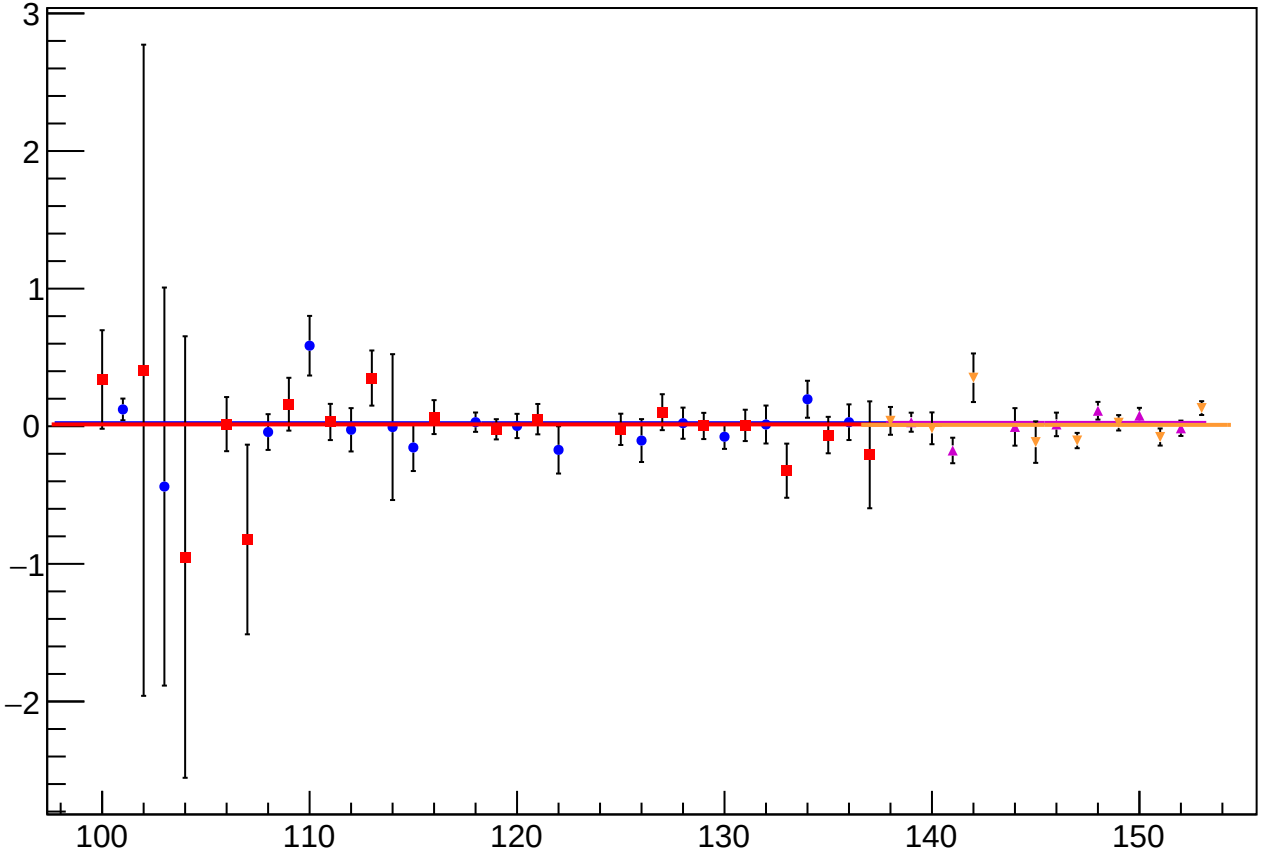
Left In: 0.002+/-0.000 χ^2/NDF:992436.1/6

+ sign 0.002+/-0.000 χ^2/NDF: 4792356.8/23

All: 0.002+/-0.000 χ^2/NDF: 10861924.2/48

- sign 0.002+/-0.000 χ^2/NDF: 6045993.5/24

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.025 χ^2/NDF:16.8/7

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

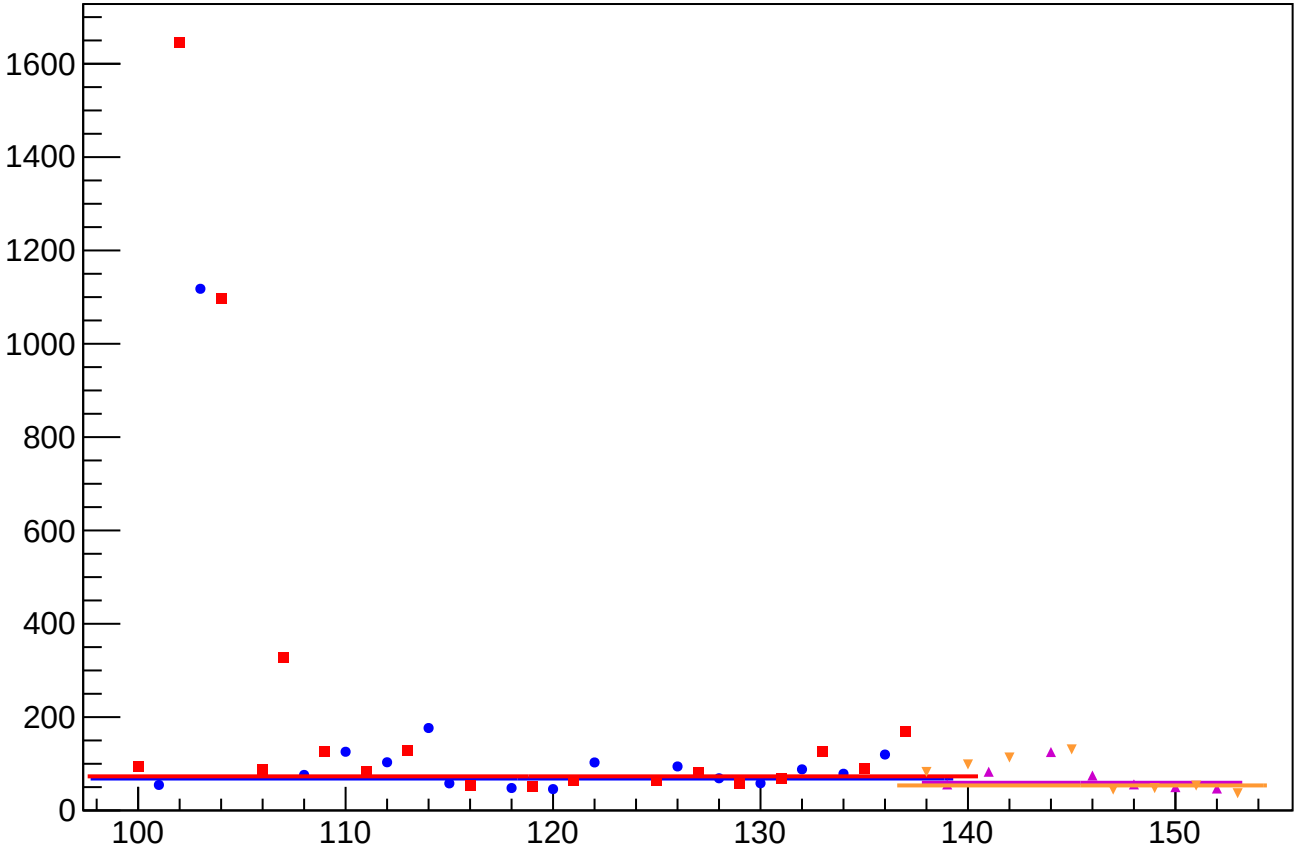
Left In: 0.024+/-0.027 χ^2/NDF:8.0/6

+ sign 0.015+/-0.019 χ^2/NDF: 31.7/23

All: 0.017+/-0.014 χ^2/NDF: 50.6/48

- sign 0.020+/-0.021 χ^2/NDF: 18.9/24

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 53.617+/-0.018 χ^2/NDF:1516170.6/7

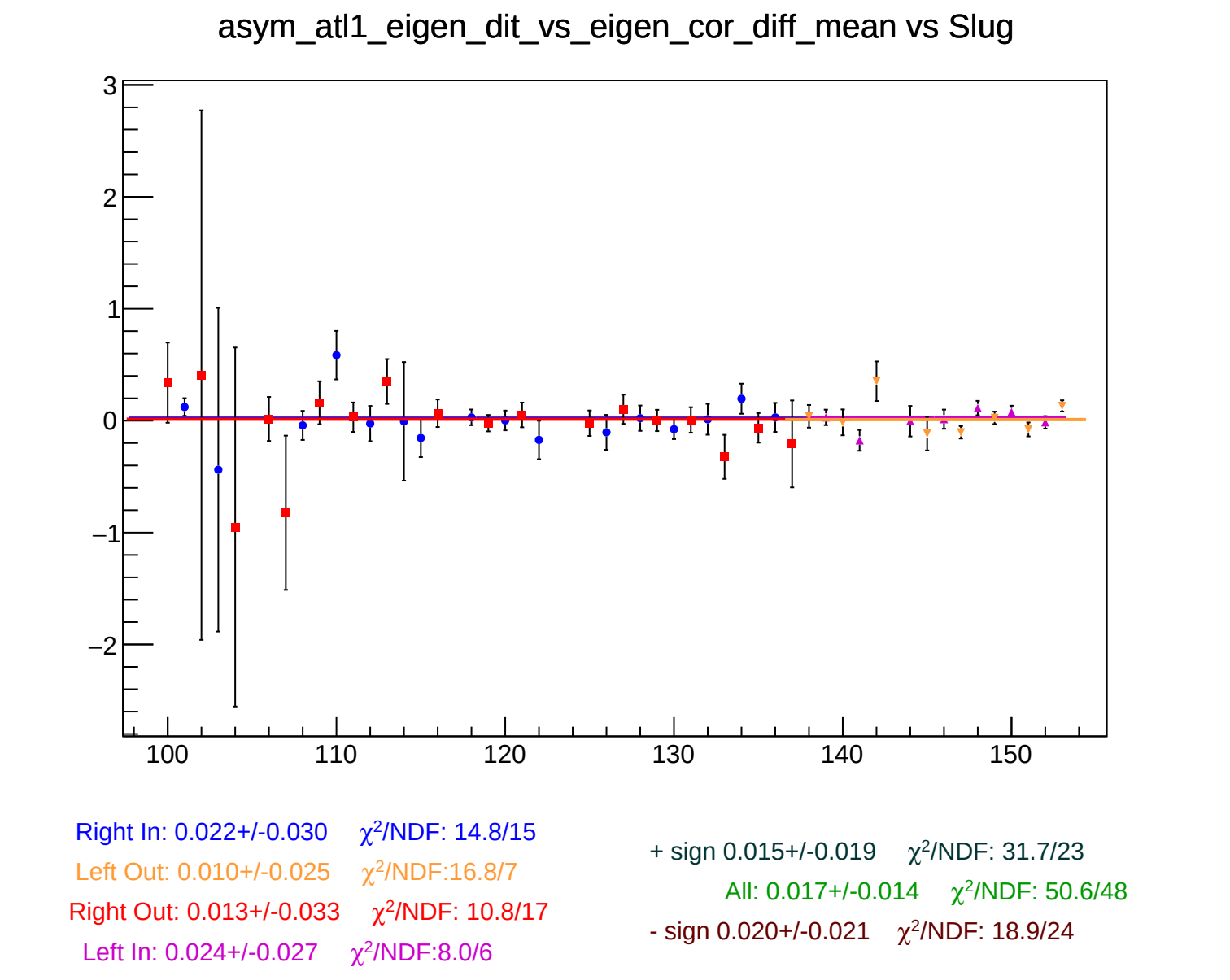
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.328+/-0.019 χ^2/NDF:825456.3/6

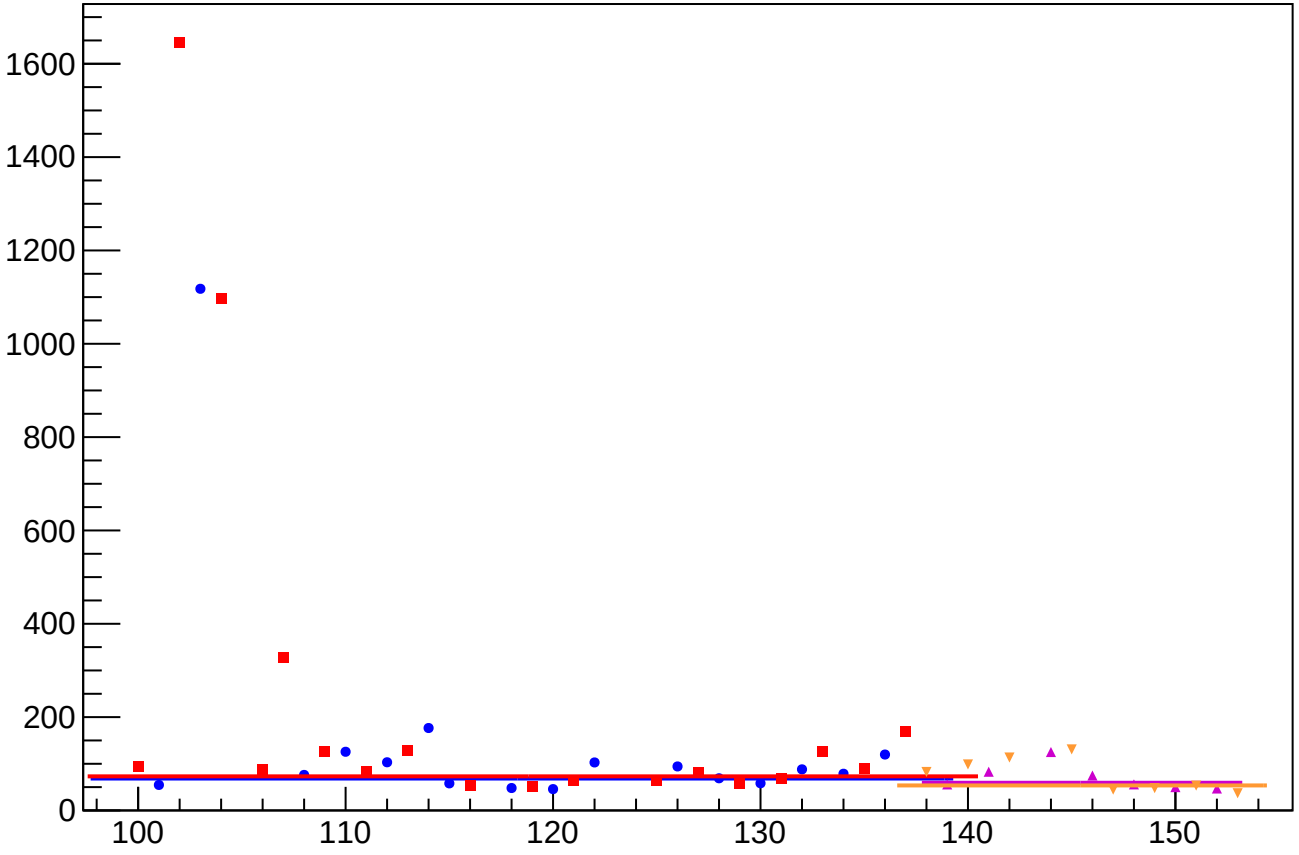
+ sign 59.772+/-0.014 χ^2/NDF: 4076430.8/23

All: 62.054+/-0.010 χ^2/NDF: 8079902.8/48

- sign 64.698+/-0.015 χ^2/NDF: 3943971.2/24


asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.010+/-0.025 χ²/NDF:16.8/7
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: 0.024+/-0.027 χ²/NDF:8.0/6
+ sign 0.015+/-0.019 χ²/NDF: 31.7/23
All: 0.017+/-0.014 χ²/NDF: 50.6/48
- sign 0.020+/-0.021 χ²/NDF: 18.9/24

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 53.617+/-0.018 χ^2/NDF:1516170.6/7

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

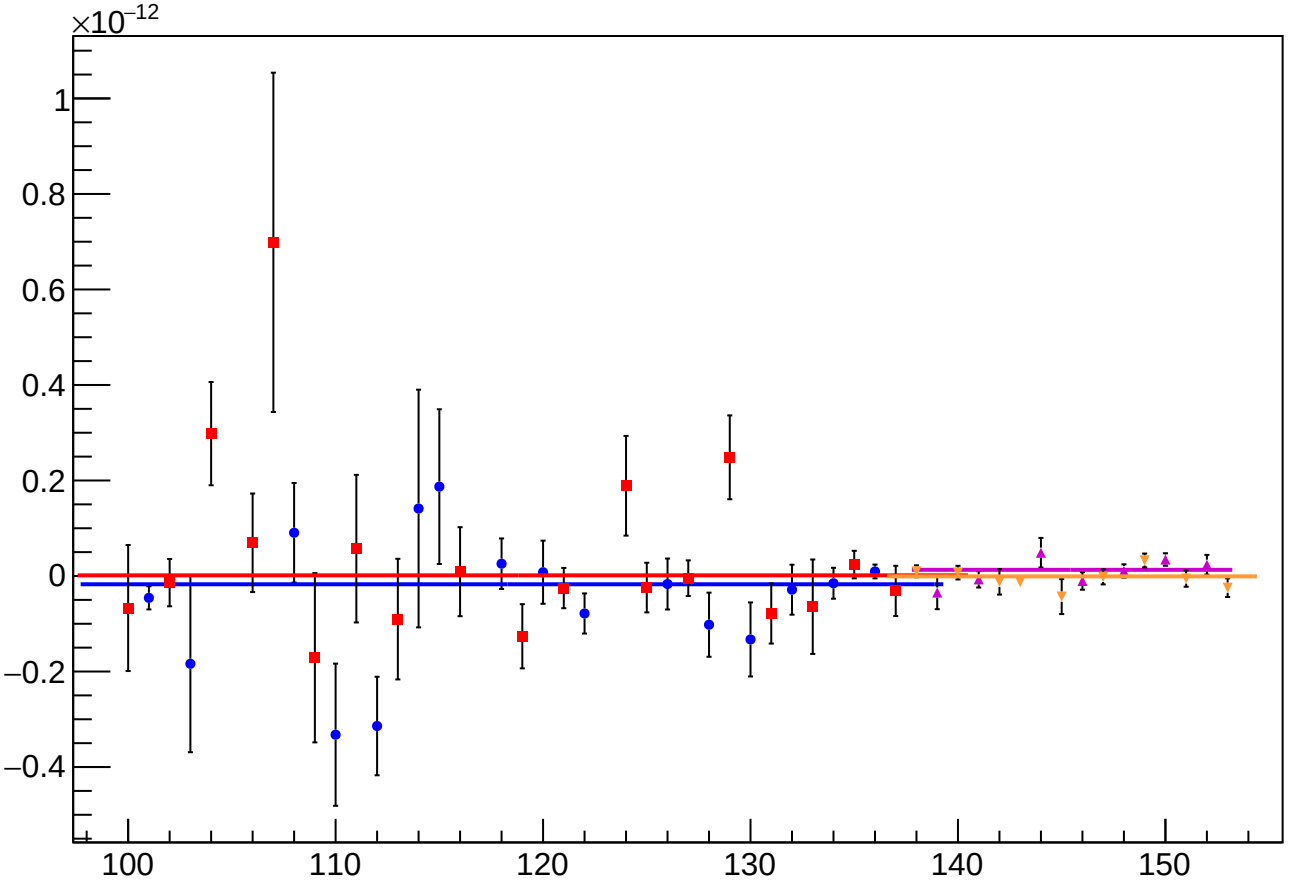
Left In: 59.328+/-0.019 χ^2/NDF:825456.3/6

+ sign 59.772+/-0.014 χ^2/NDF: 4076430.8/23

All: 62.054+/-0.010 χ^2/NDF: 8079902.8/48

- sign 64.698+/-0.015 χ^2/NDF: 3943971.2/24

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

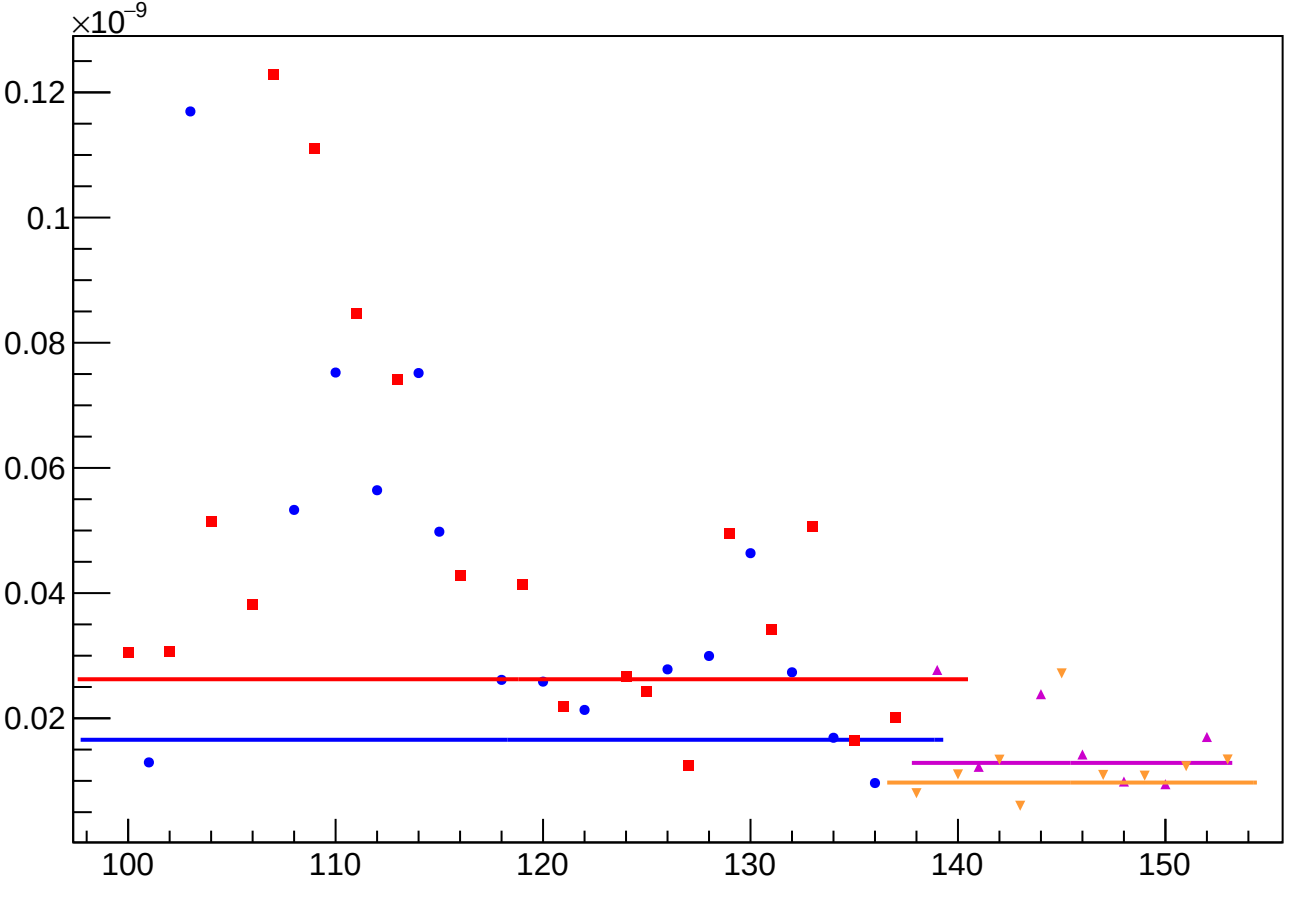
Left In: 0.000+/-0.000 χ^2/NDF:9.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/24

All: 0.000+/-0.000 χ^2/NDF: 87.3/50

- sign 0.000+/-0.000 χ^2/NDF: 42.0/25

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1001940.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

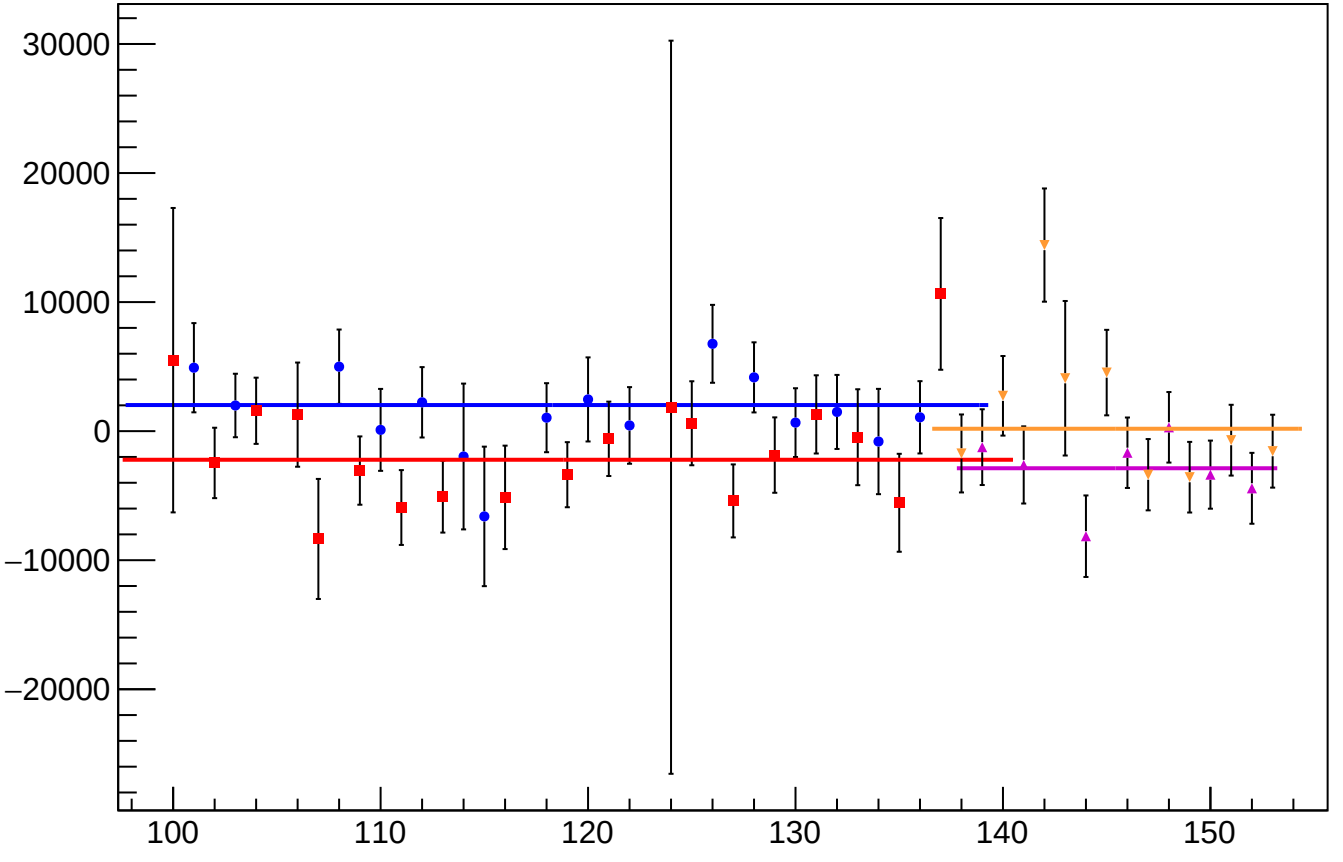
Left In: 0.000+/-0.000 χ^2/NDF:934939.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 4573435.6/24

All: 0.000+/-0.000 χ^2/NDF: 9909121.1/50

- sign 0.000+/-0.000 χ^2/NDF: 4712288.7/25

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 185.815+/-1049.091 χ^2/NDF:17.8/8

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

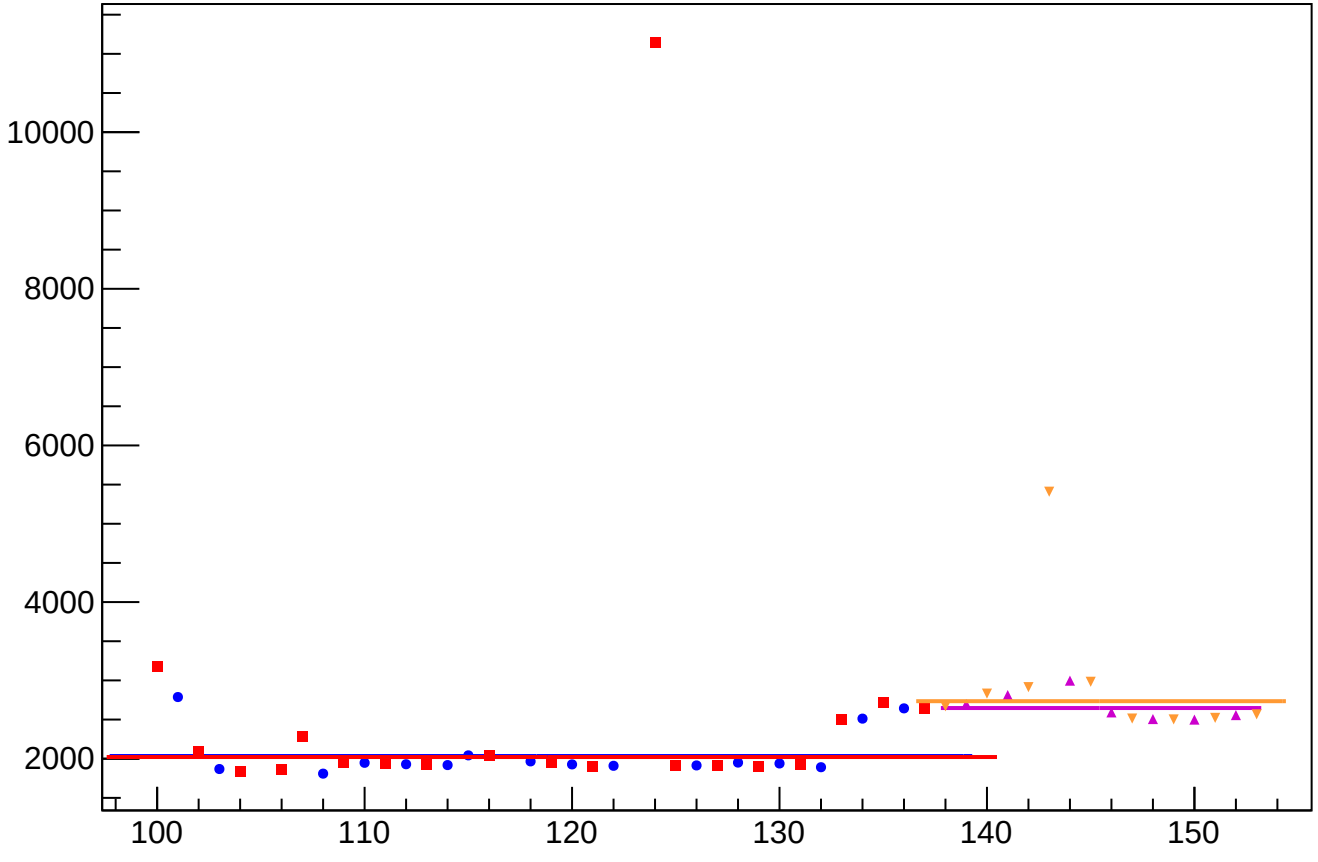
Left In: -2875.552+/-1070.607 χ^2/NDF:5.0/6

+ sign 1385.726+/-617.776 χ^2/NDF: 29.4/24

All: -525.767+/-436.781 χ^2/NDF: 71.9/50

- sign -2436.346+/-617.628 χ^2/NDF: 23.4/25

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2734.509+/-0.742 χ^2/NDF:463070.0/8

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

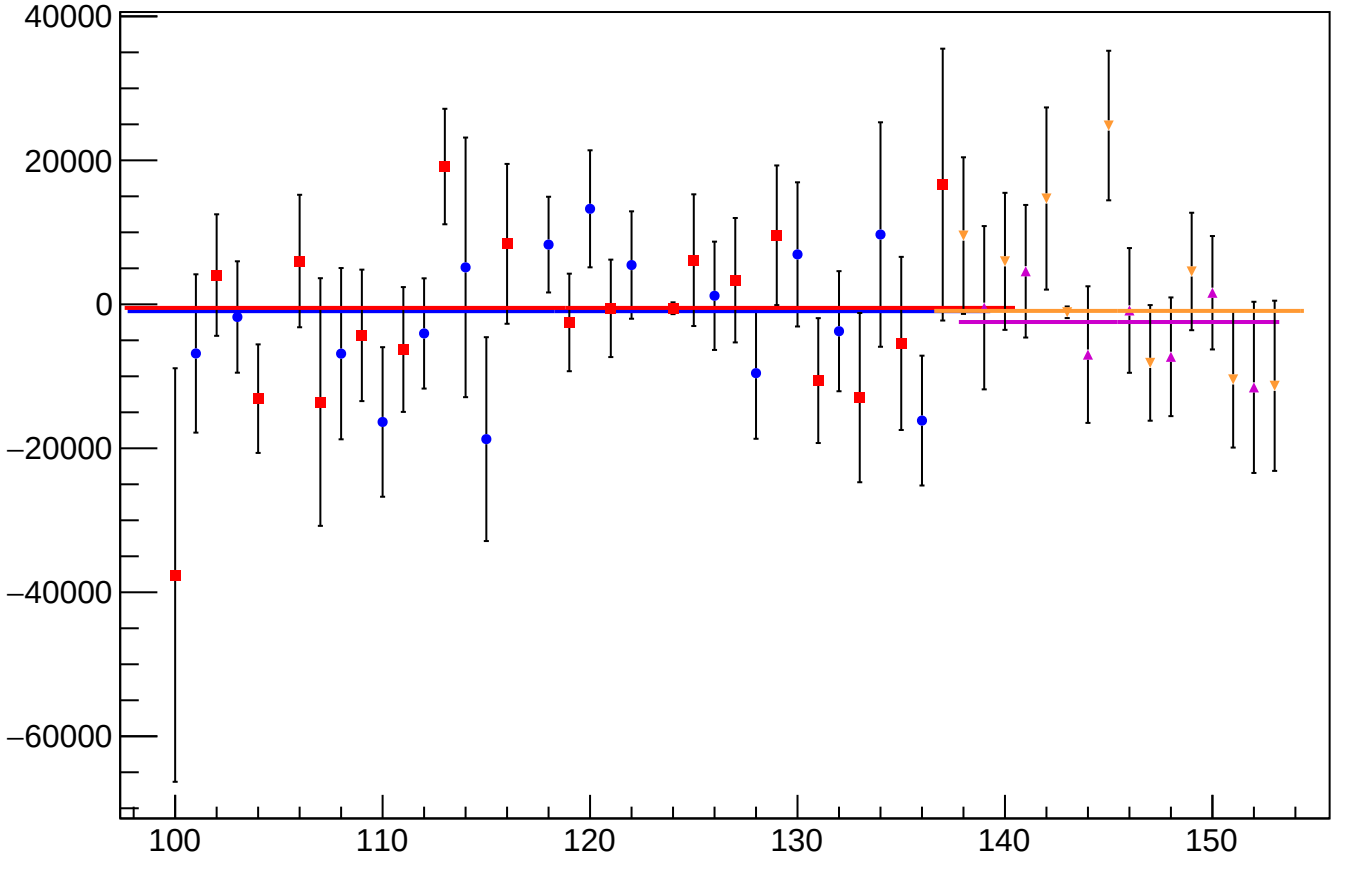
Left In: 2647.056+/-0.757 χ^2/NDF:45780.2/6

+ sign 2277.016+/-0.437 χ^2/NDF: 1308273.3/24

All: 2253.362+/-0.309 χ^2/NDF: 2205740.1/5

- sign 2229.720+/-0.437 χ^2/NDF: 891604.2/25

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -914.214+/-785.969 χ^2/NDF:12.2/8

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

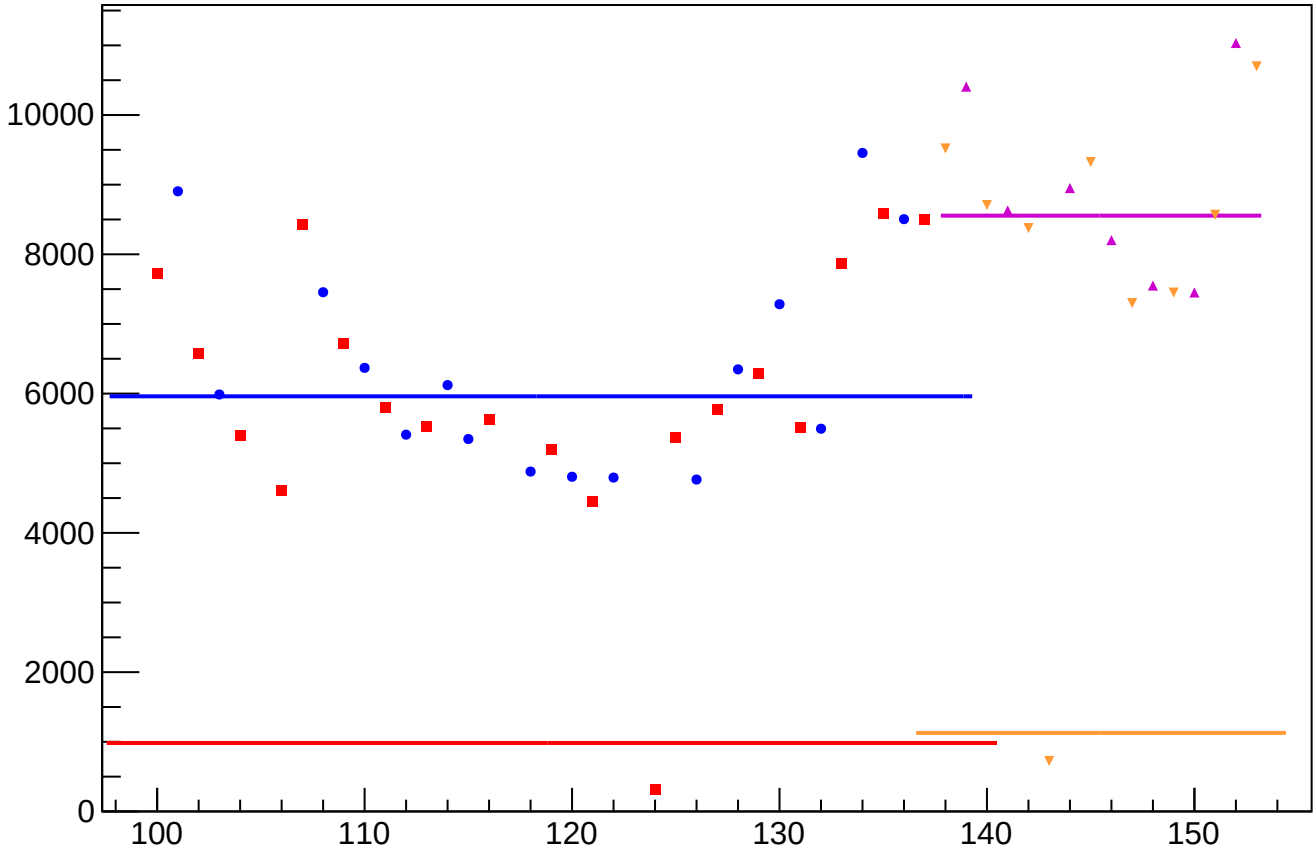
Left In: -2457.451+/-3494.180 χ^2/NDF:2.1/6

+ sign -918.074+/-743.007 χ^2/NDF: 27.5/24

All: -754.533+/-527.967 χ^2/NDF: 48.5/50

- sign -587.738+/-750.362 χ^2/NDF: 20.8/25

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1127.619+/-0.556 χ^2/NDF:9787500.7/8

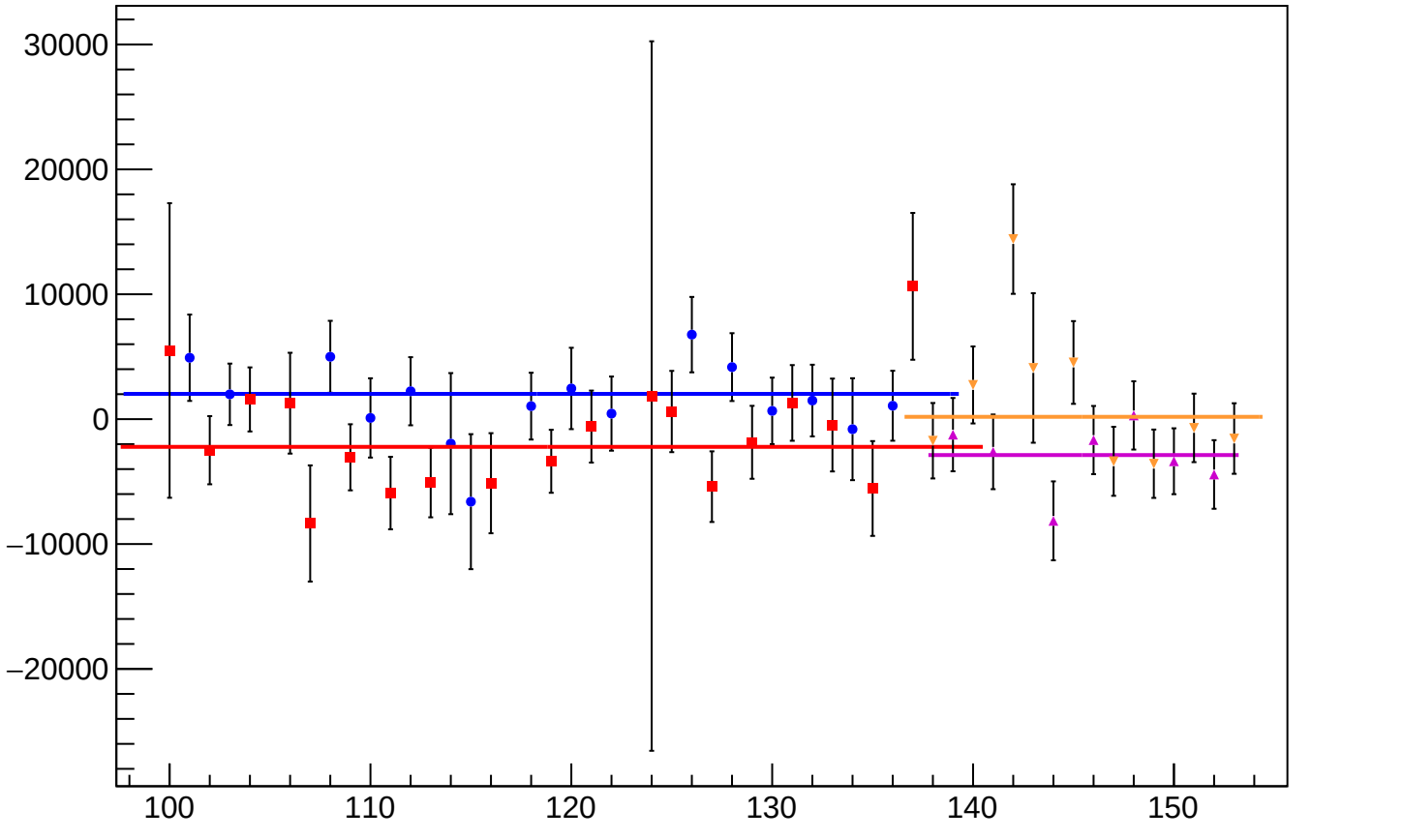
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8555.159+/-2.471 χ^2/NDF:216108.5/6

+ sign 1641.555+/-0.525 χ^2/NDF: 18518712.1/24

All: 1488.549+/-0.373 χ^2/NDF: 39281380.2/5

- sign 1332.499+/-0.531 χ^2/NDF: 20591355.5/25



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 185.876+/-1049.091 χ^2/NDF:17.8/8

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

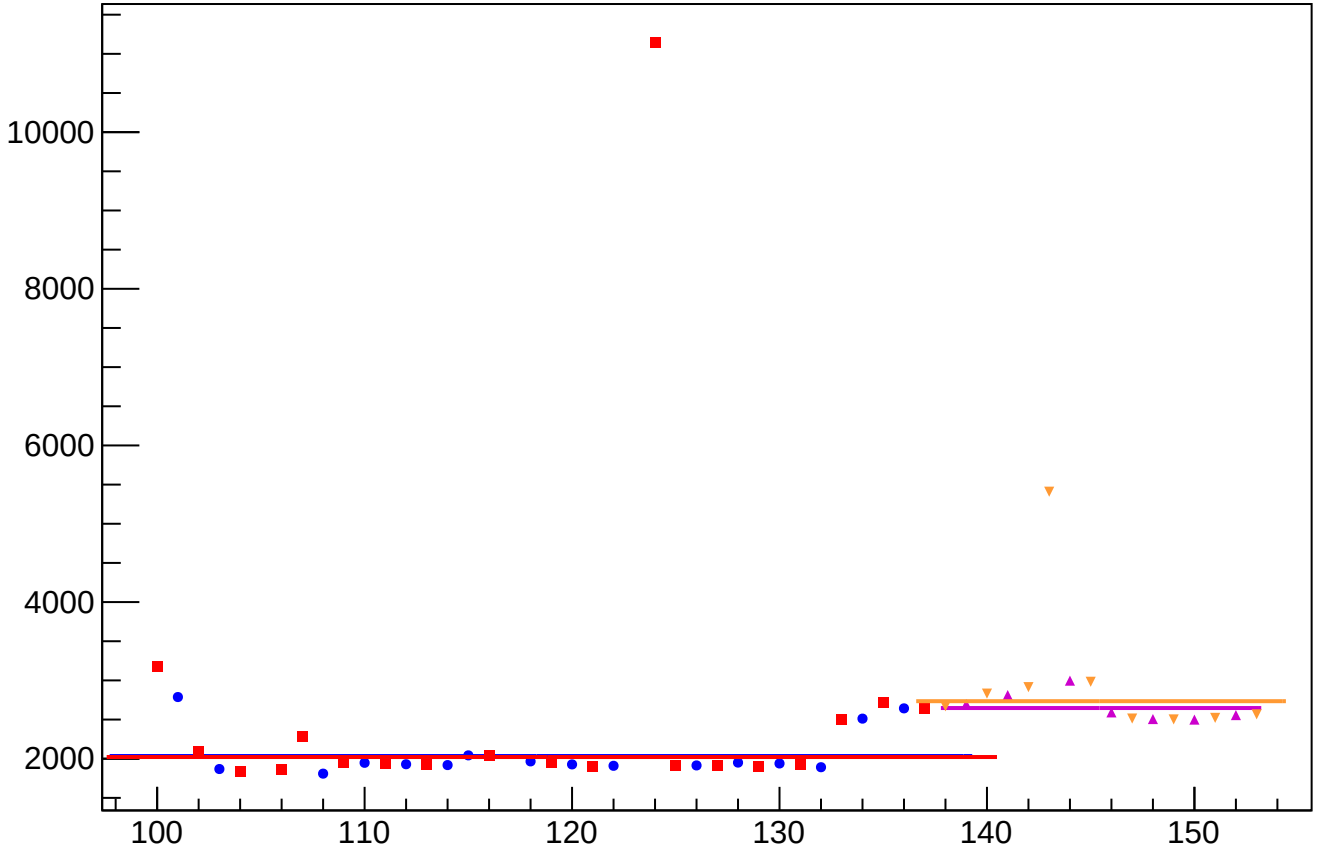
Left In: -2875.744+/-1070.607 χ^2/NDF:5.0/6

+ sign 1385.830+/-617.776 χ^2/NDF: 29.4/24

All: -526.349+/-436.783 χ^2/NDF: 71.9/50

- sign -2437.639+/-617.632 χ^2/NDF: 23.4/25

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2734.510+/-0.742 χ^2/NDF:463070.0/8

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

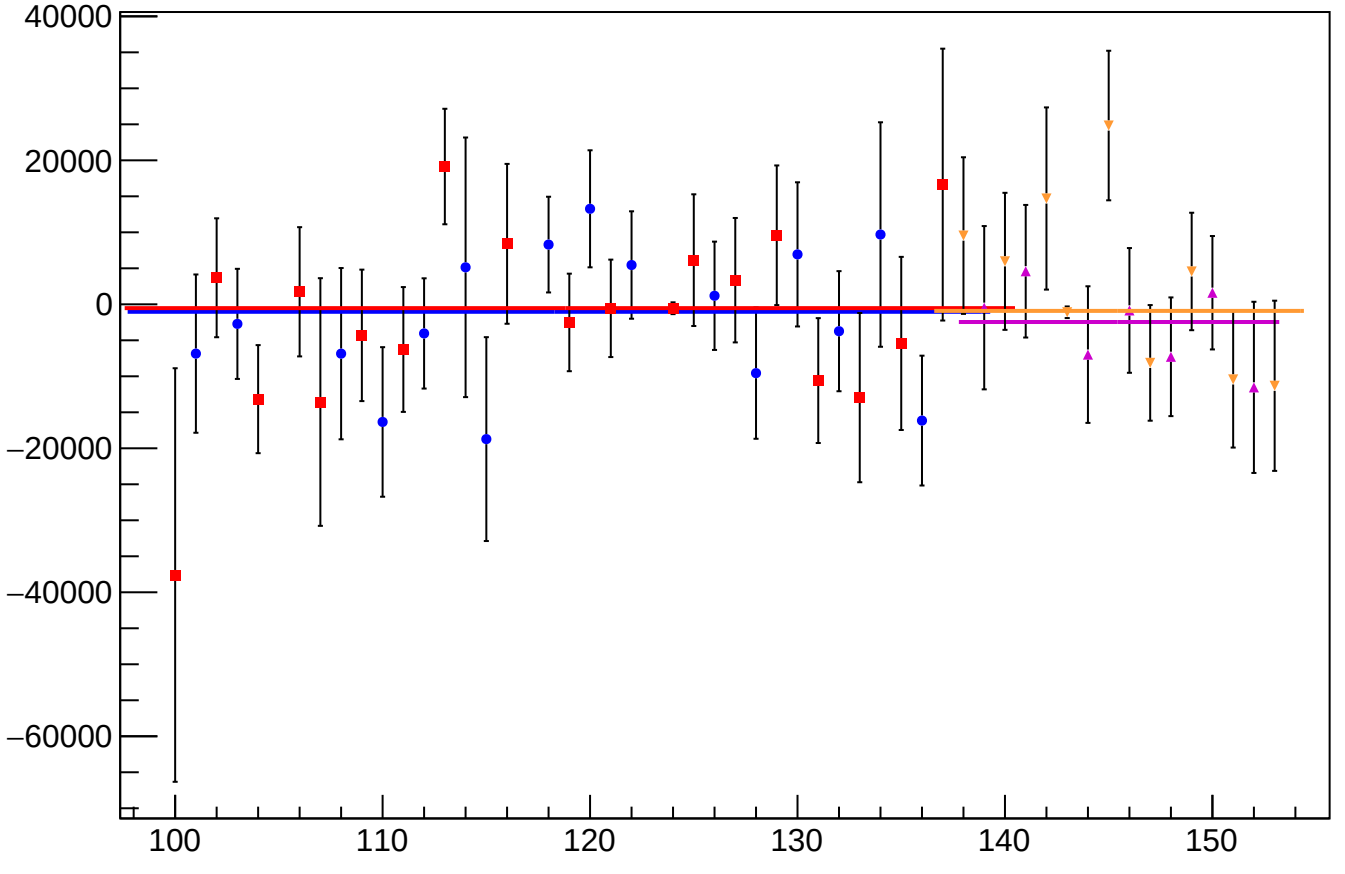
Left In: 2647.056+/-0.757 χ^2/NDF:45780.2/6

+ sign 2277.016+/-0.437 χ^2/NDF: 1308273.4/24

All: 2253.371+/-0.309 χ^2/NDF: 2205713.2/50

- sign 2229.737+/-0.437 χ^2/NDF: 891581.5/25

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -913.999+/-785.897 χ^2/NDF:12.2/8

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

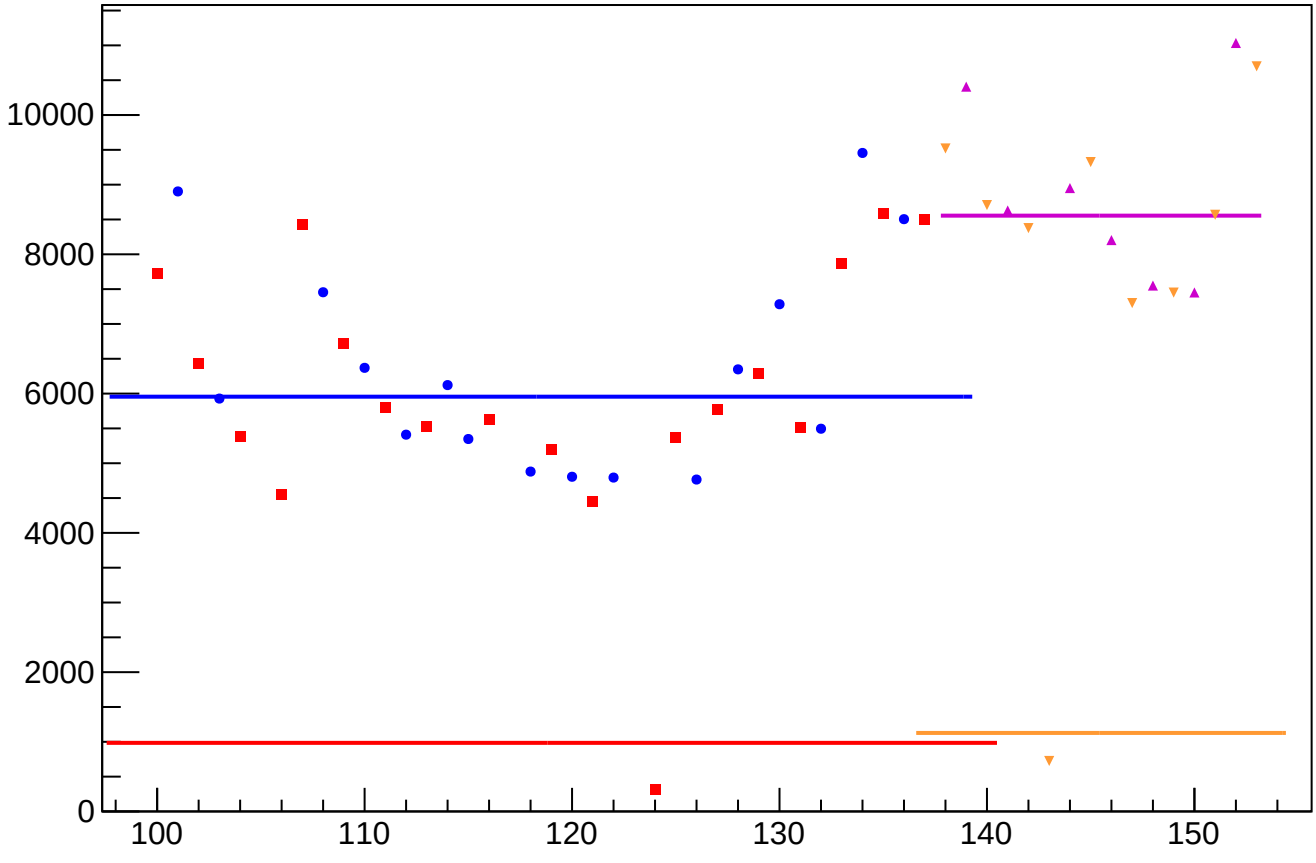
Left In: -2457.565+/-3494.176 χ^2/NDF:2.1/6

+ sign -927.200+/-742.865 χ^2/NDF: 27.6/24

All: -774.804+/-527.805 χ^2/NDF: 48.1/50

- sign -619.448+/-750.046 χ^2/NDF: 20.4/25

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1127.480+/-0.556 χ^2/NDF:9787765.8/8

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

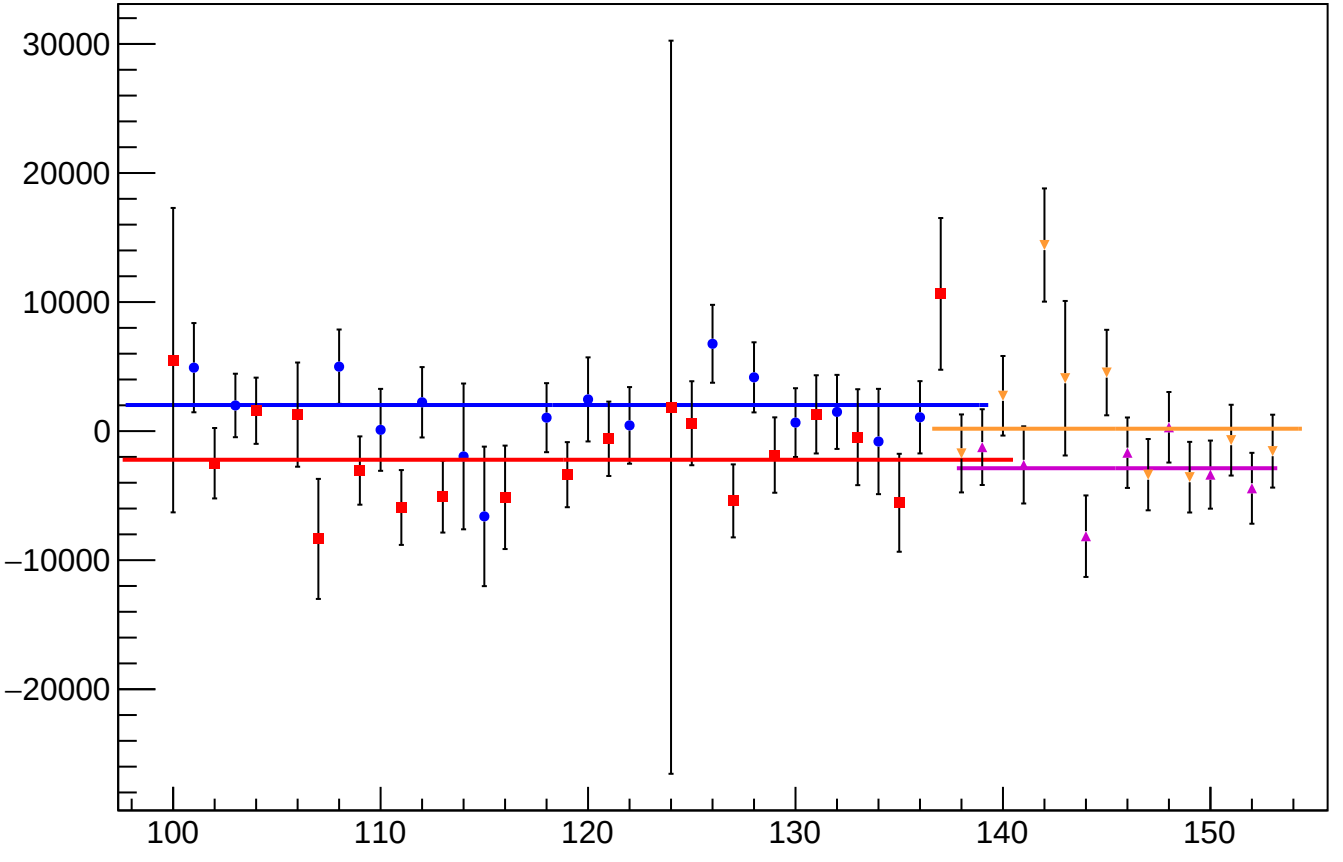
Left In: 8555.148+/-2.471 χ^2/NDF:216109.3/6

+ sign 1641.746+/-0.525 χ^2/NDF: 18517118.2/24

All: 1489.281+/-0.373 χ^2/NDF: 39271028.4/5

- sign 1333.854+/-0.530 χ^2/NDF: 20583781.1/25

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 185.876+/-1049.091 χ^2/NDF:17.8/8

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

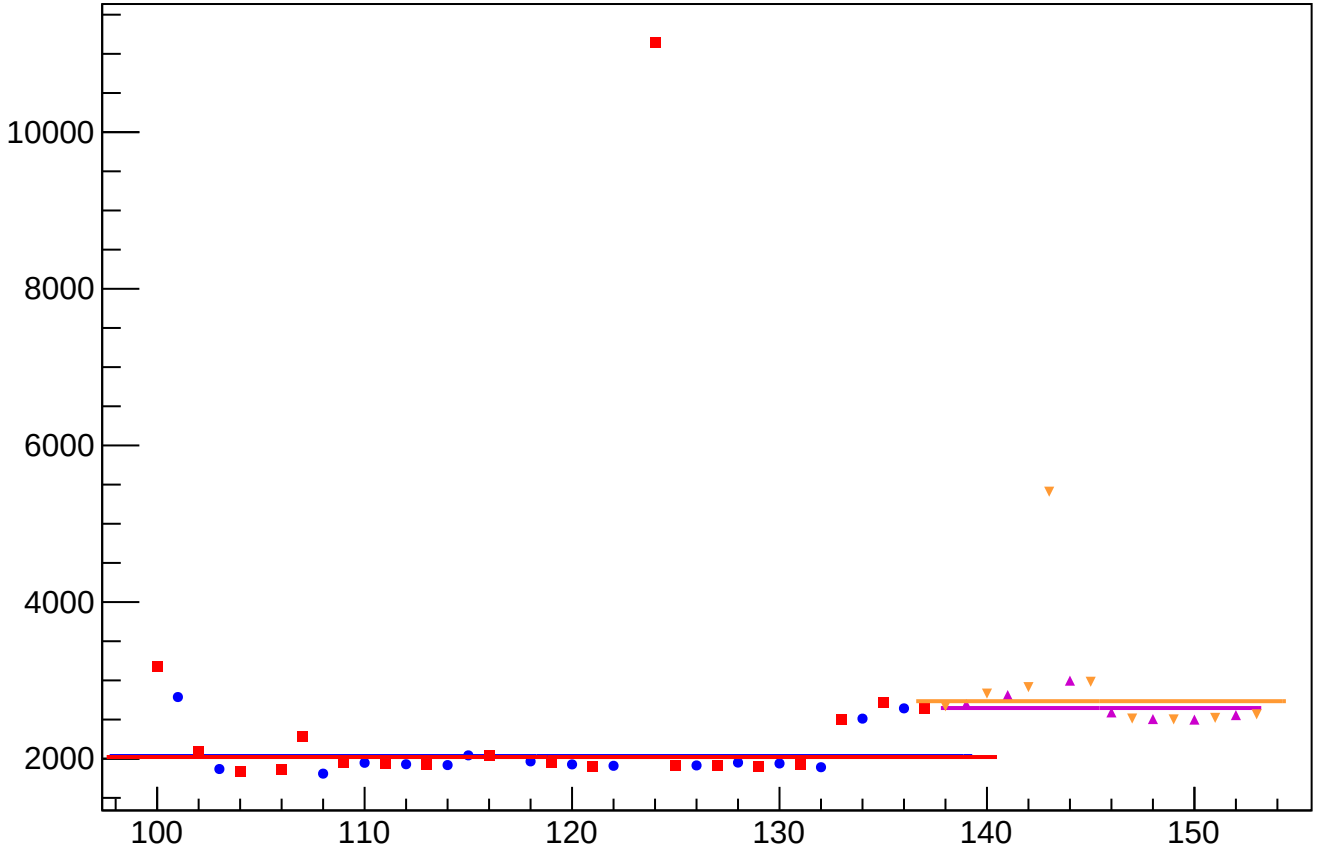
Left In: -2875.744+/-1070.607 χ^2/NDF:5.0/6

+ sign 1385.830+/-617.776 χ^2/NDF: 29.4/24

All: -526.349+/-436.783 χ^2/NDF: 71.9/50

- sign -2437.639+/-617.632 χ^2/NDF: 23.4/25

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2734.510+/-0.742 χ^2/NDF:463070.0/8

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

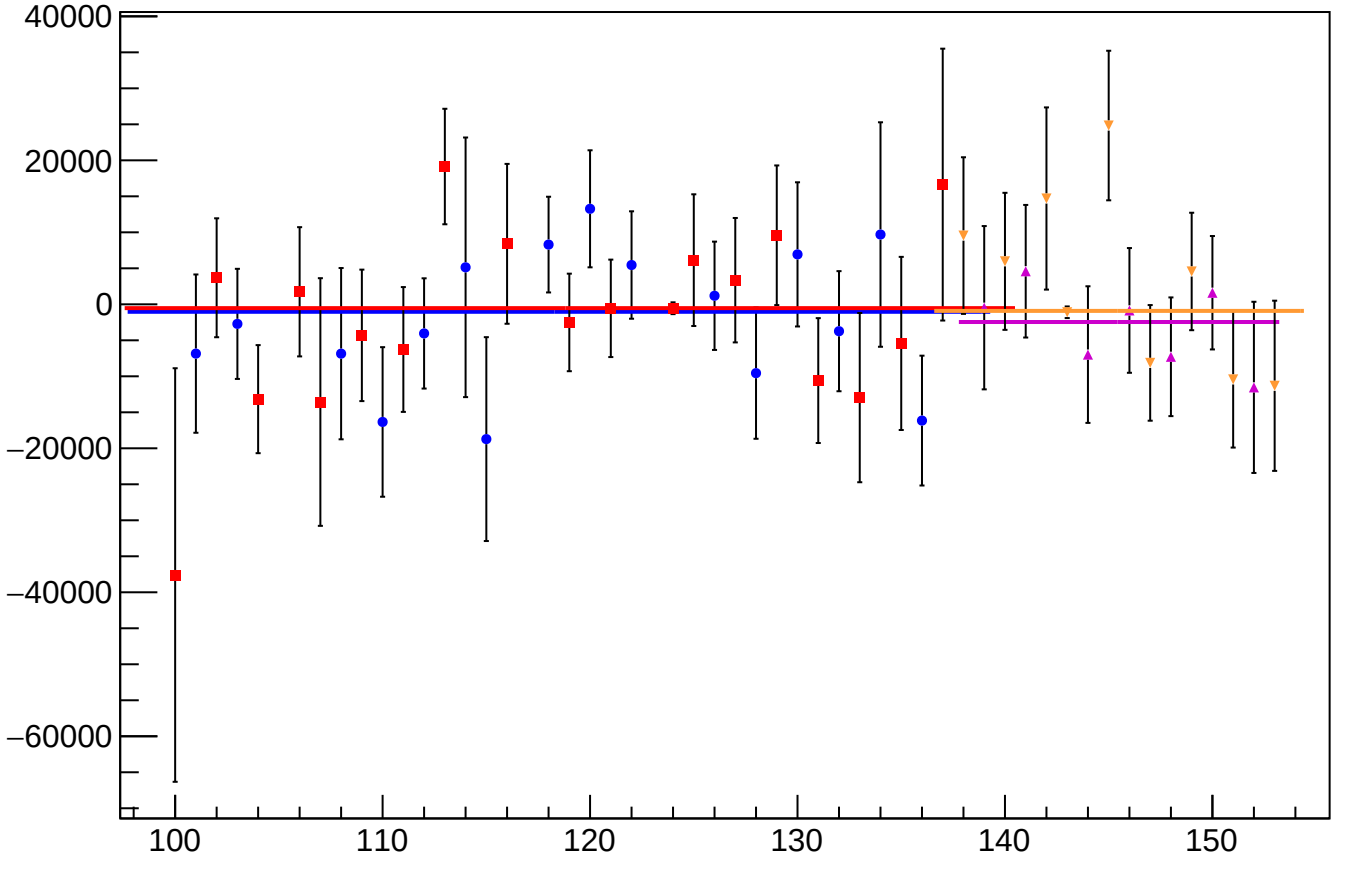
Left In: 2647.056+/-0.757 χ^2/NDF:45780.2/6

+ sign 2277.016+/-0.437 χ^2/NDF: 1308273.4/24

All: 2253.371+/-0.309 χ^2/NDF: 2205713.2/50

- sign 2229.737+/-0.437 χ^2/NDF: 891581.5/25

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -913.999+/-785.897 χ^2/NDF:12.2/8

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

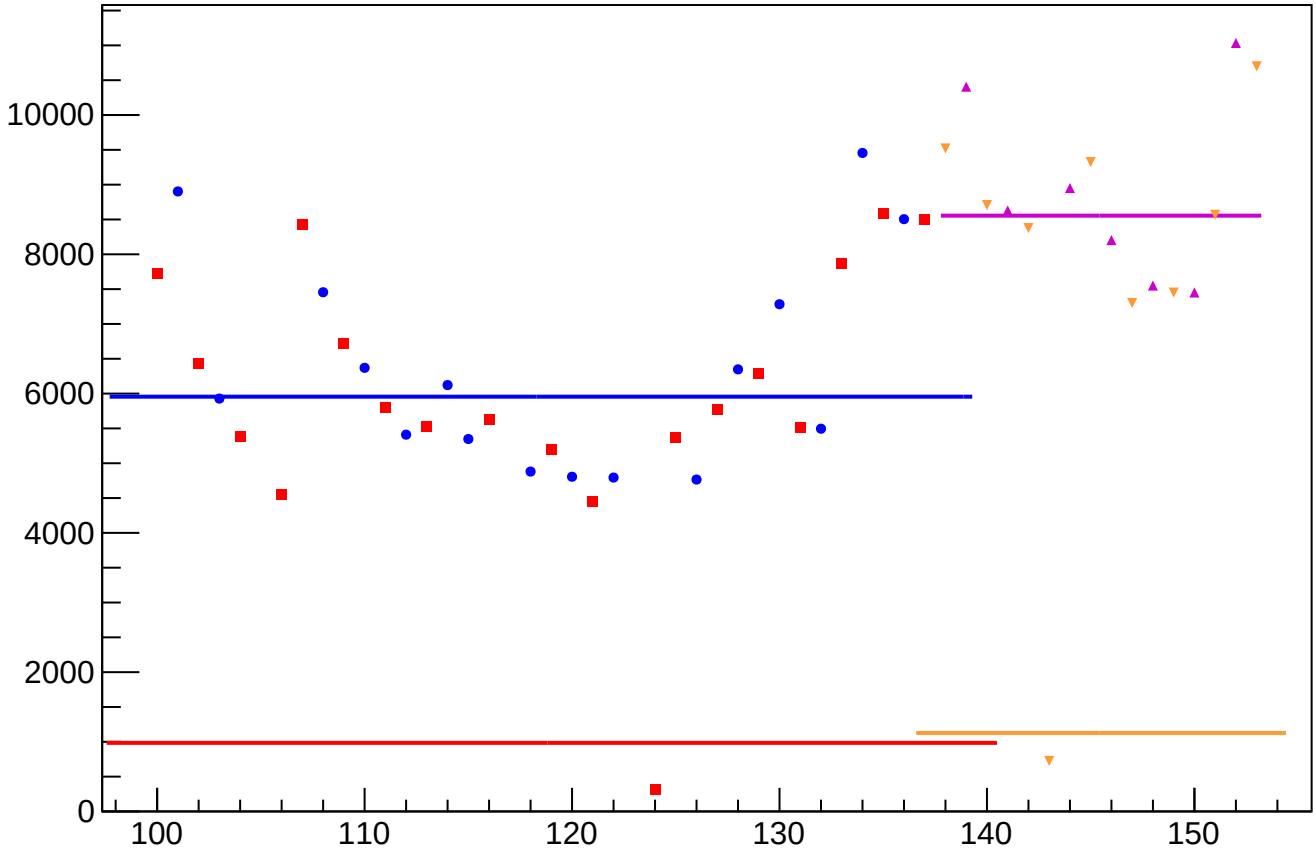
Left In: -2457.565+/-3494.176 χ^2/NDF:2.1/6

+ sign -927.200+/-742.865 χ^2/NDF: 27.6/24

All: -774.804+/-527.805 χ^2/NDF: 48.1/50

- sign -619.448+/-750.046 χ^2/NDF: 20.4/25

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1127.480+/-0.556 χ^2/NDF:9787765.8/8

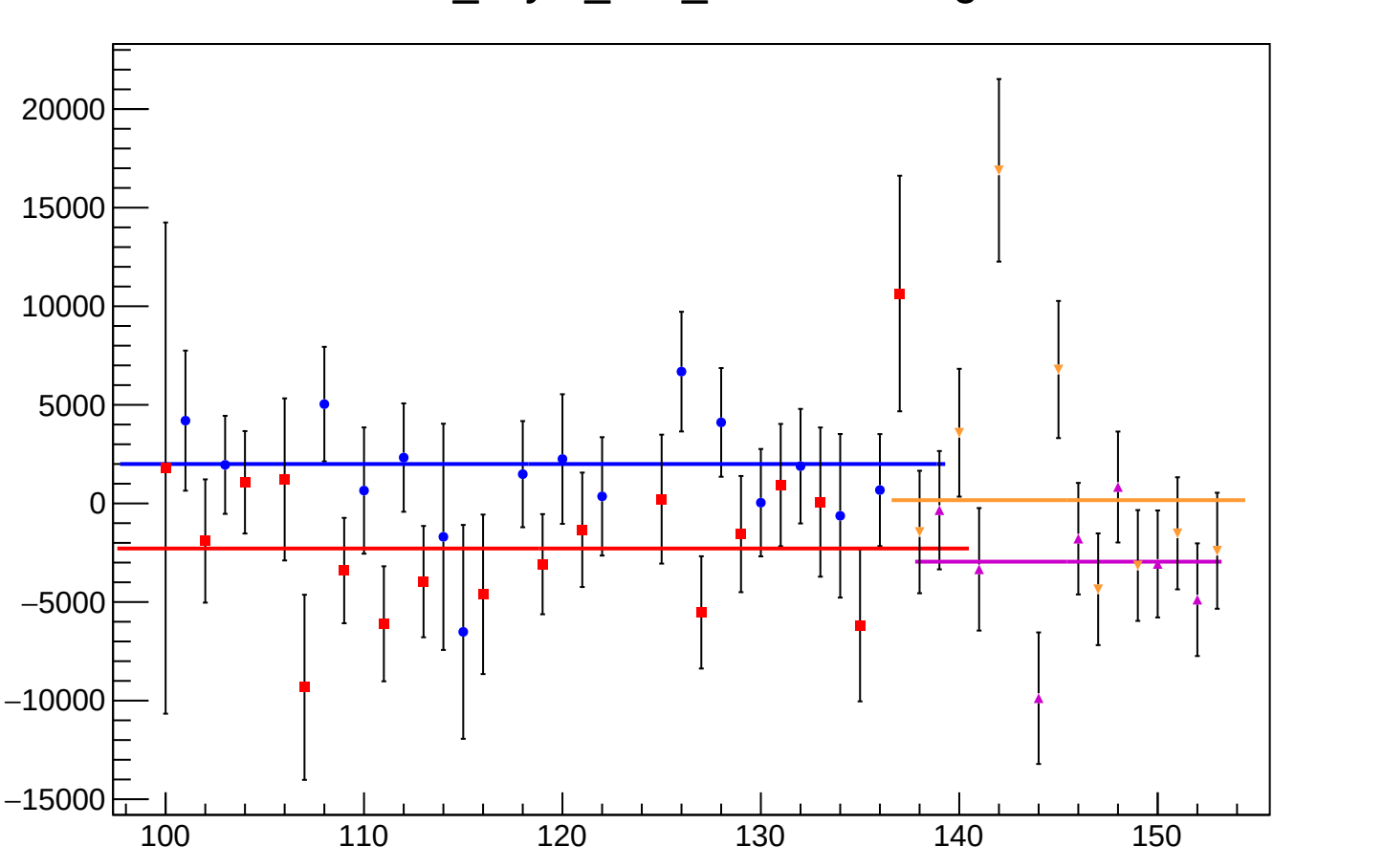
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8555.148+/-2.471 χ^2/NDF:216109.3/6

+ sign 1641.746+/-0.525 χ^2/NDF: 18517118.2/24

All: 1489.281+/-0.373 χ^2/NDF: 39271028.4/5

- sign 1333.854+/-0.530 χ^2/NDF: 20583781.1/25



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 165.658+/-1105.201 χ^2/NDF:23.1/7

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

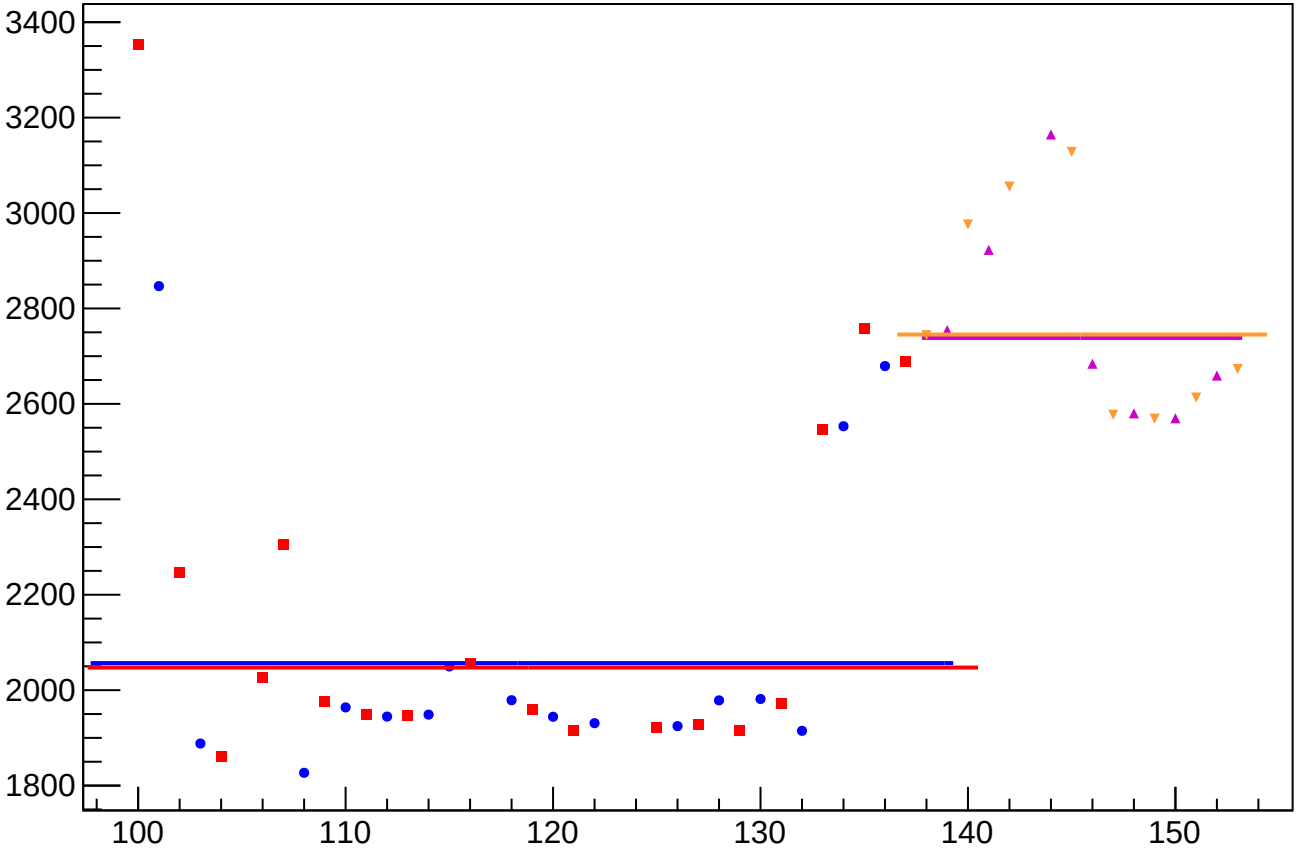
Left In: -2953.685+/-1108.096 χ^2/NDF:7.5/6

+ sign 1396.340+/-633.734 χ^2/NDF: 34.0/23

All: -555.882+/-447.873 χ^2/NDF: 77.3/48

- sign -2503.845+/-633.043 χ^2/NDF: 24.4/24

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2745.324+/-0.781 χ^2/NDF:63788.4/7

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

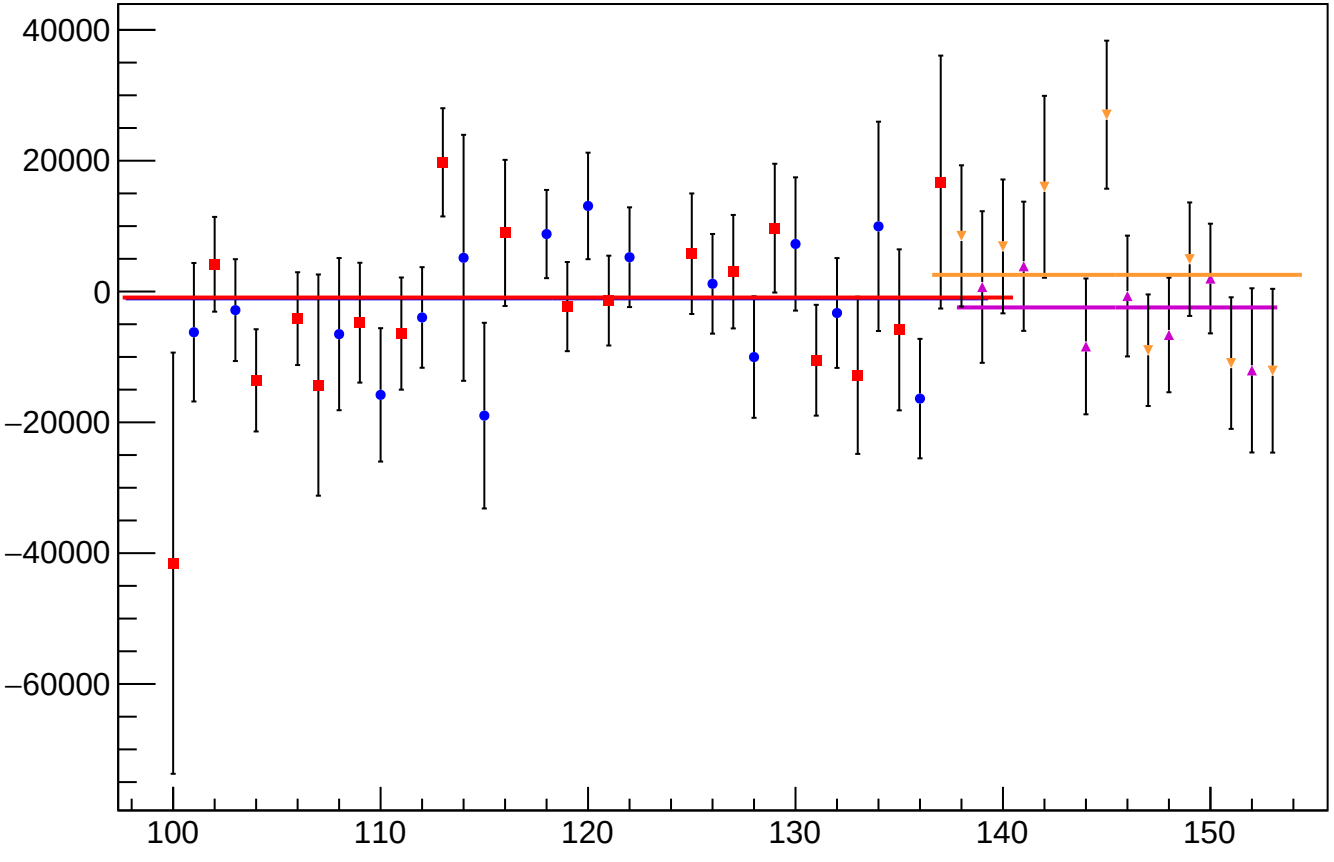
Left In: 2738.233+/-0.784 χ^2/NDF:56080.0/6

+ sign 2283.184+/-0.448 χ^2/NDF: 855249.5/23

All: 2277.785+/-0.317 χ^2/NDF: 1632308.7/48

- sign 2272.409+/-0.447 χ^2/NDF: 776769.5/24

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 2549.421+/-3666.189 χ^2/NDF:11.2/7

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

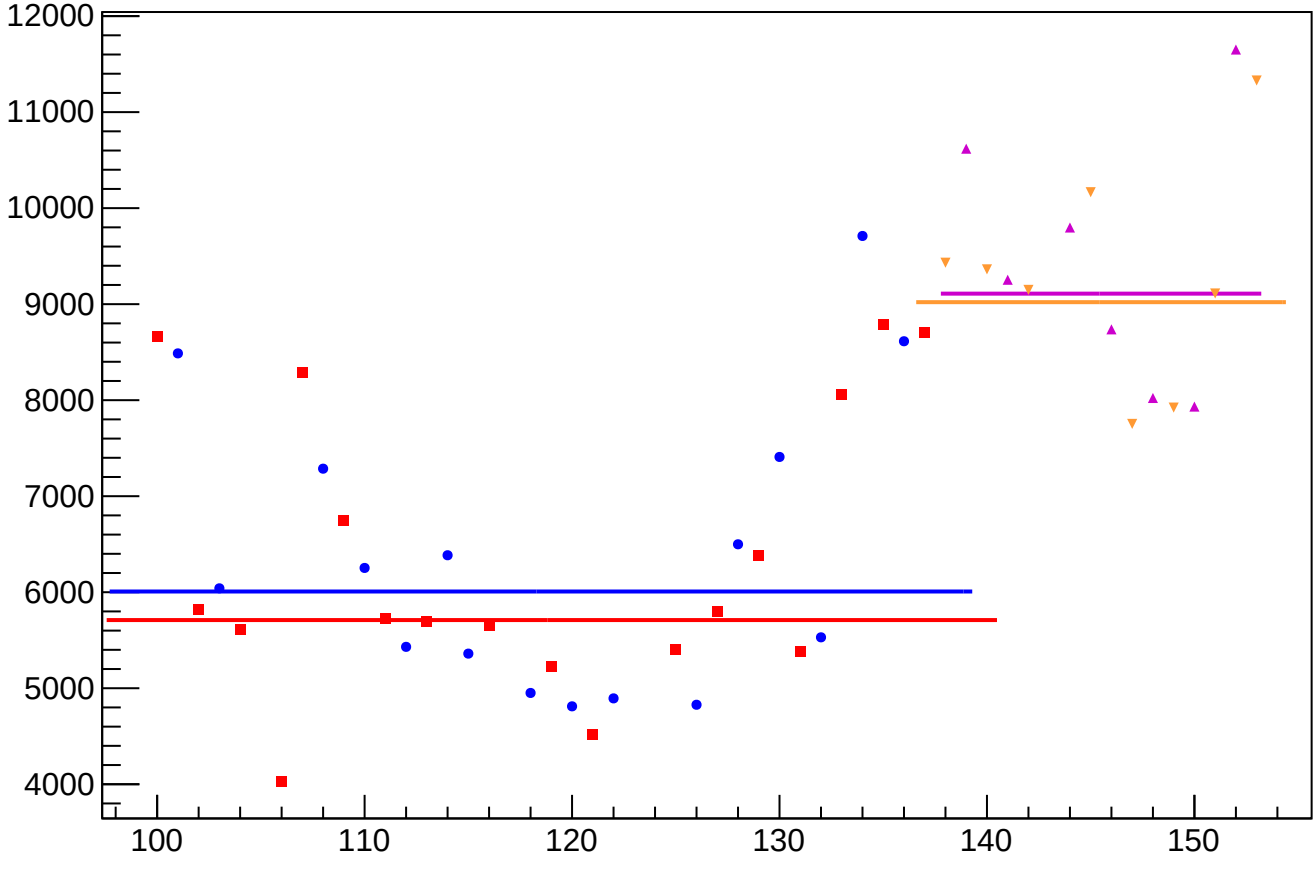
Left In: -2433.023+/-3718.869 χ^2/NDF:1.9/6

+ sign -31.493+/-1945.050 χ^2/NDF: 27.2/23

All: -692.921+/-1344.999 χ^2/NDF: 47.8/48

- sign -1299.008+/-1861.904 χ^2/NDF: 20.4/24

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9020.780+/-2.592 χ^2/NDF:170197.8/7

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

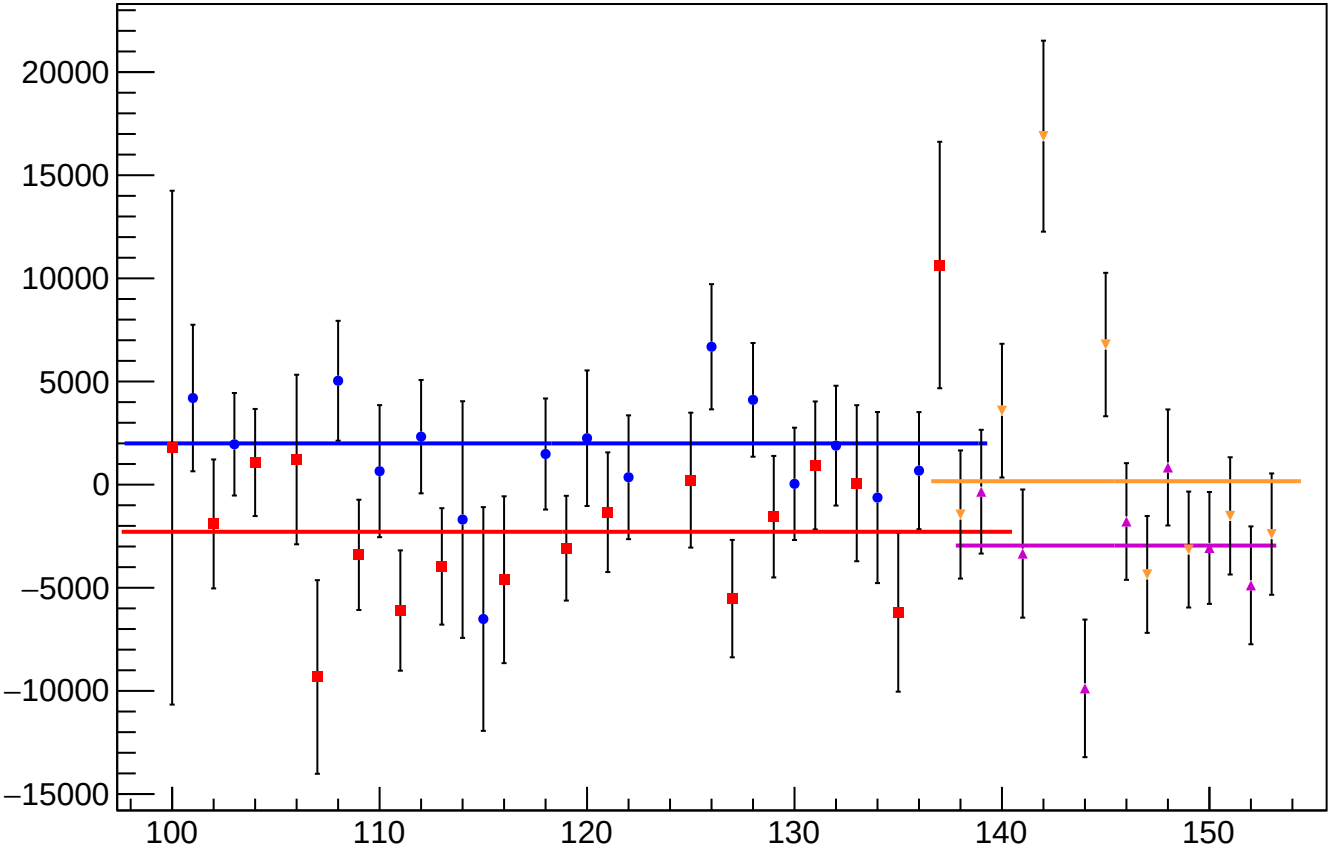
Left In: 9109.557+/-2.630 χ^2/NDF:198591.0/6

+ sign 6855.593+/-1.375 χ^2/NDF: 1795030.6/23

All: 6702.427+/-0.951 χ^2/NDF: 3805746.1/48

- sign 6562.075+/-1.317 χ^2/NDF: 1986948.9/24

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 165.663+/-1105.202 χ^2/NDF:23.1/7

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

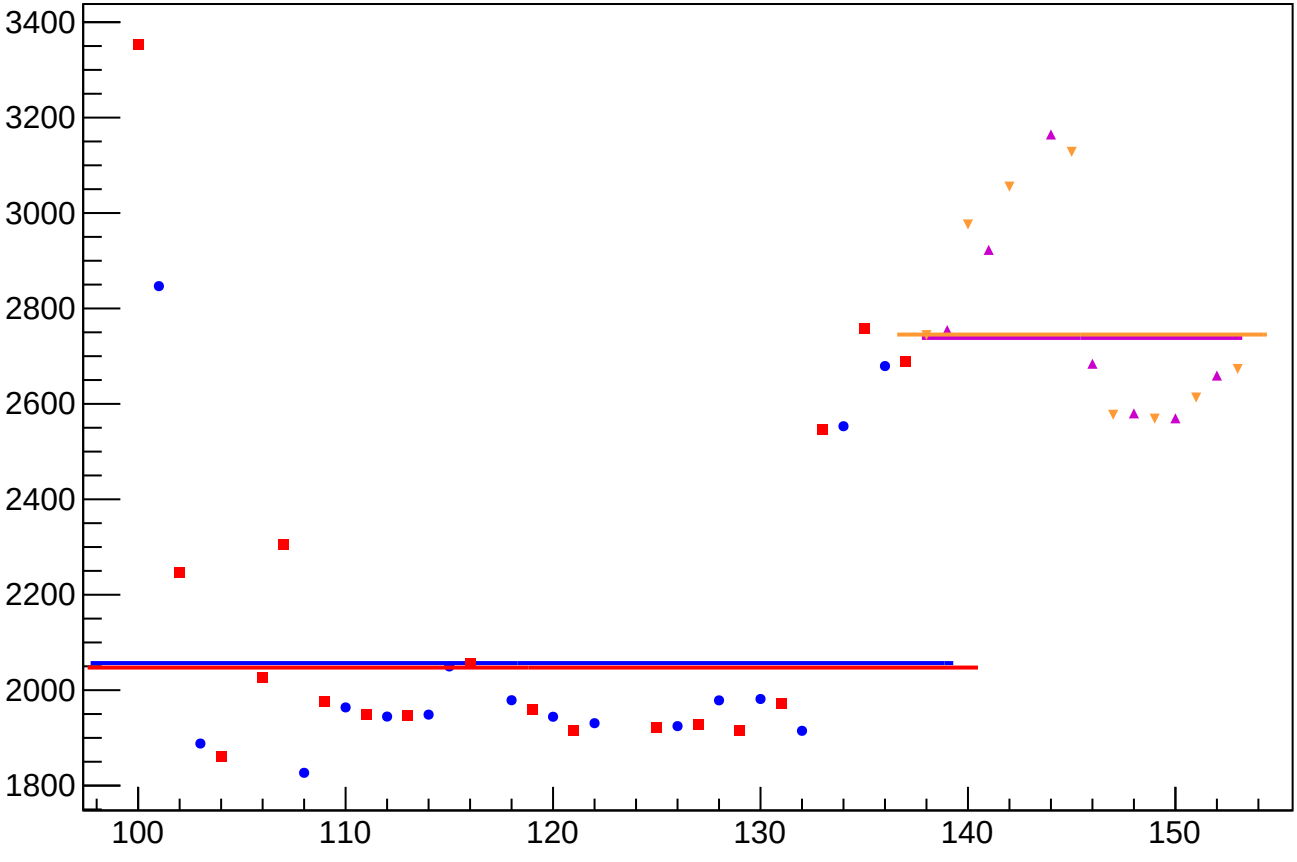
Left In: -2953.688+/-1108.097 χ^2/NDF:7.5/6

+ sign 1396.345+/-633.735 χ^2/NDF: 34.0/23

All: -555.881+/-447.873 χ^2/NDF: 77.3/48

- sign -2503.848+/-633.043 χ^2/NDF: 24.4/24

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2745.326+/-0.781 χ^2/NDF:63789.6/7

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

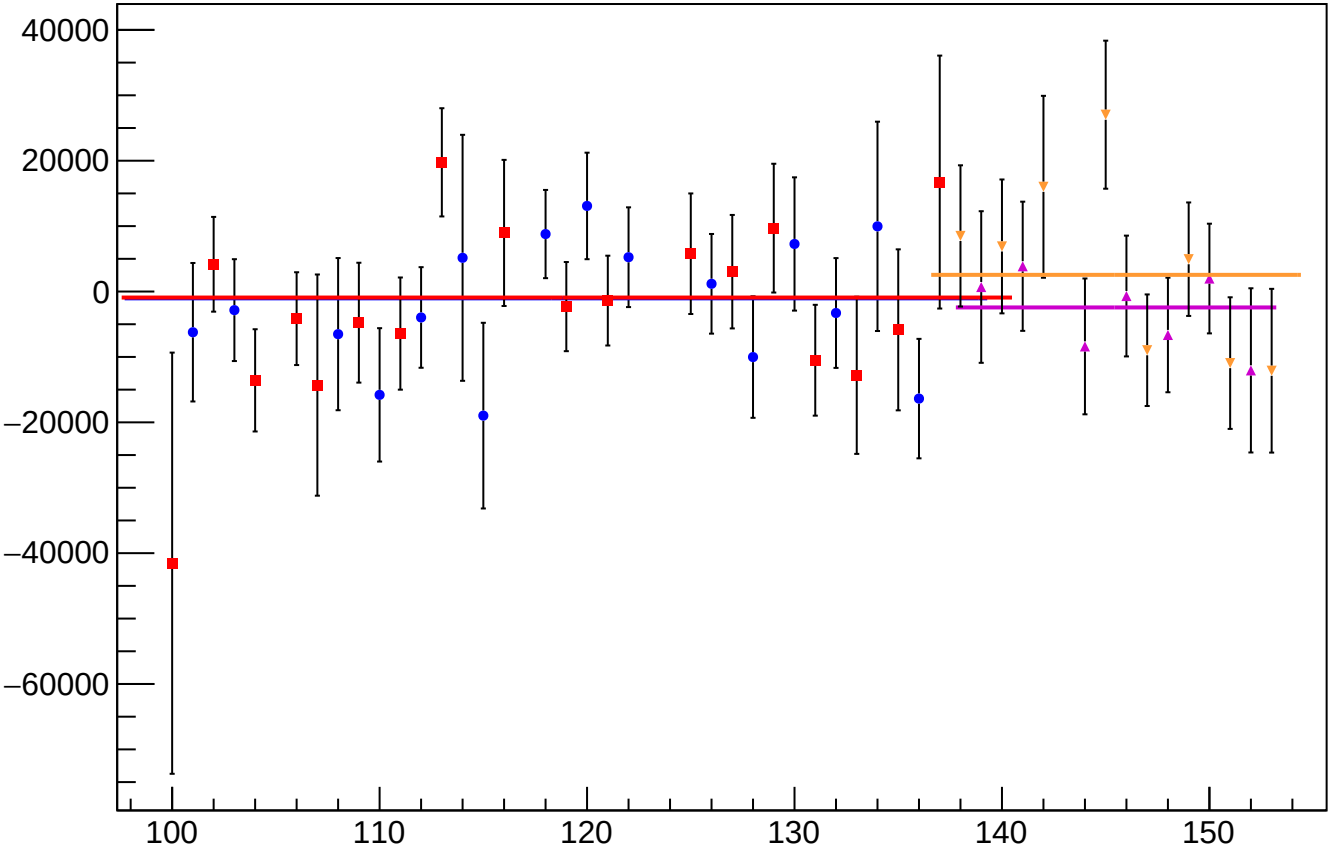
Left In: 2738.235+/-0.784 χ^2/NDF:56080.7/6

+ sign 2283.184+/-0.448 χ^2/NDF: 855252.9/23

All: 2277.786+/-0.317 χ^2/NDF: 1632316.0/48

- sign 2272.409+/-0.447 χ^2/NDF: 776773.5/24

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 2549.414+/-3666.194 χ^2/NDF:11.2/7

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

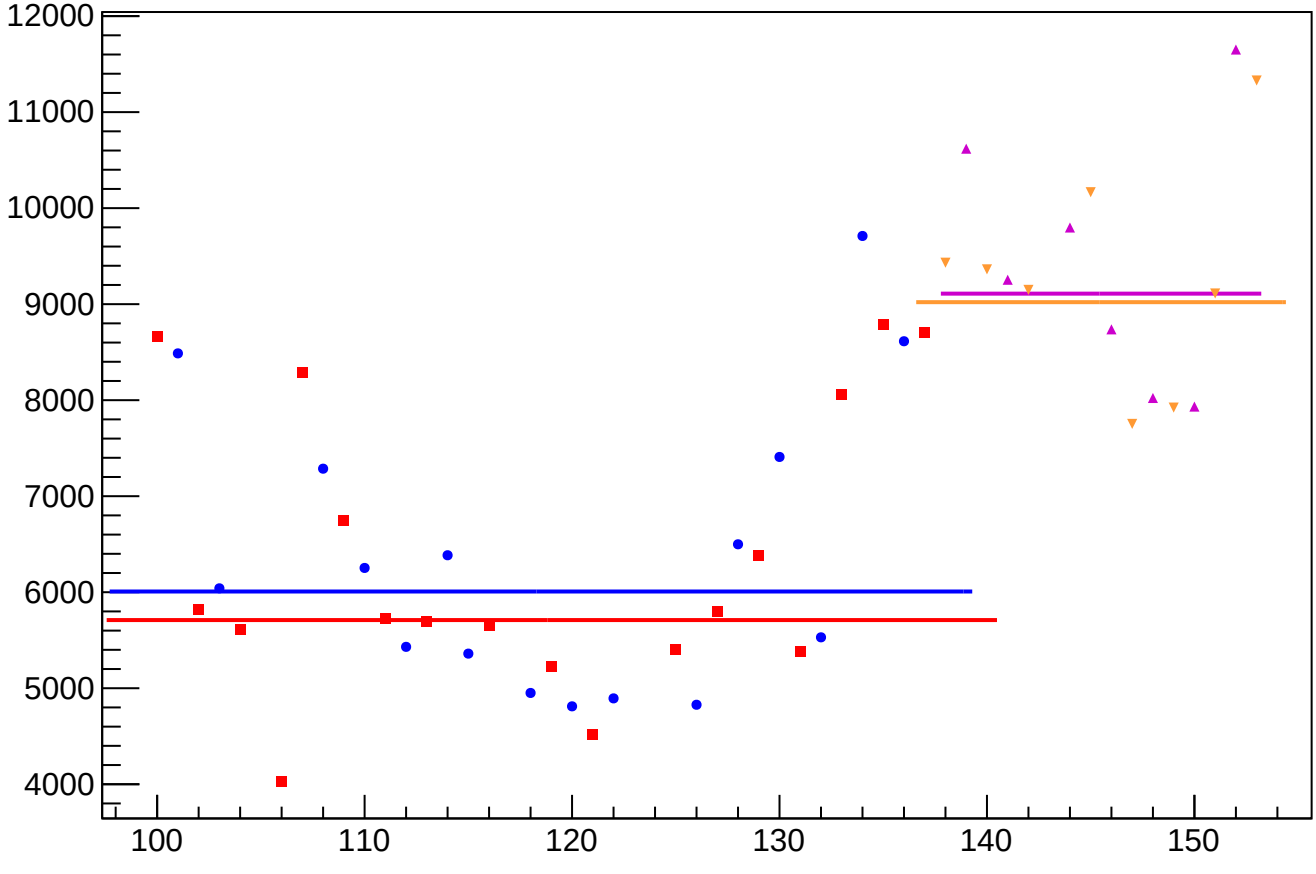
Left In: -2433.025+/-3718.874 χ^2/NDF:1.9/6

+ sign -31.493+/-1945.047 χ^2/NDF: 27.2/23

All: -692.922+/-1344.996 χ^2/NDF: 47.8/48

- sign -1299.010+/-1861.901 χ^2/NDF: 20.4/24

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9020.791+/-2.592 χ^2/NDF:170200.3/7

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

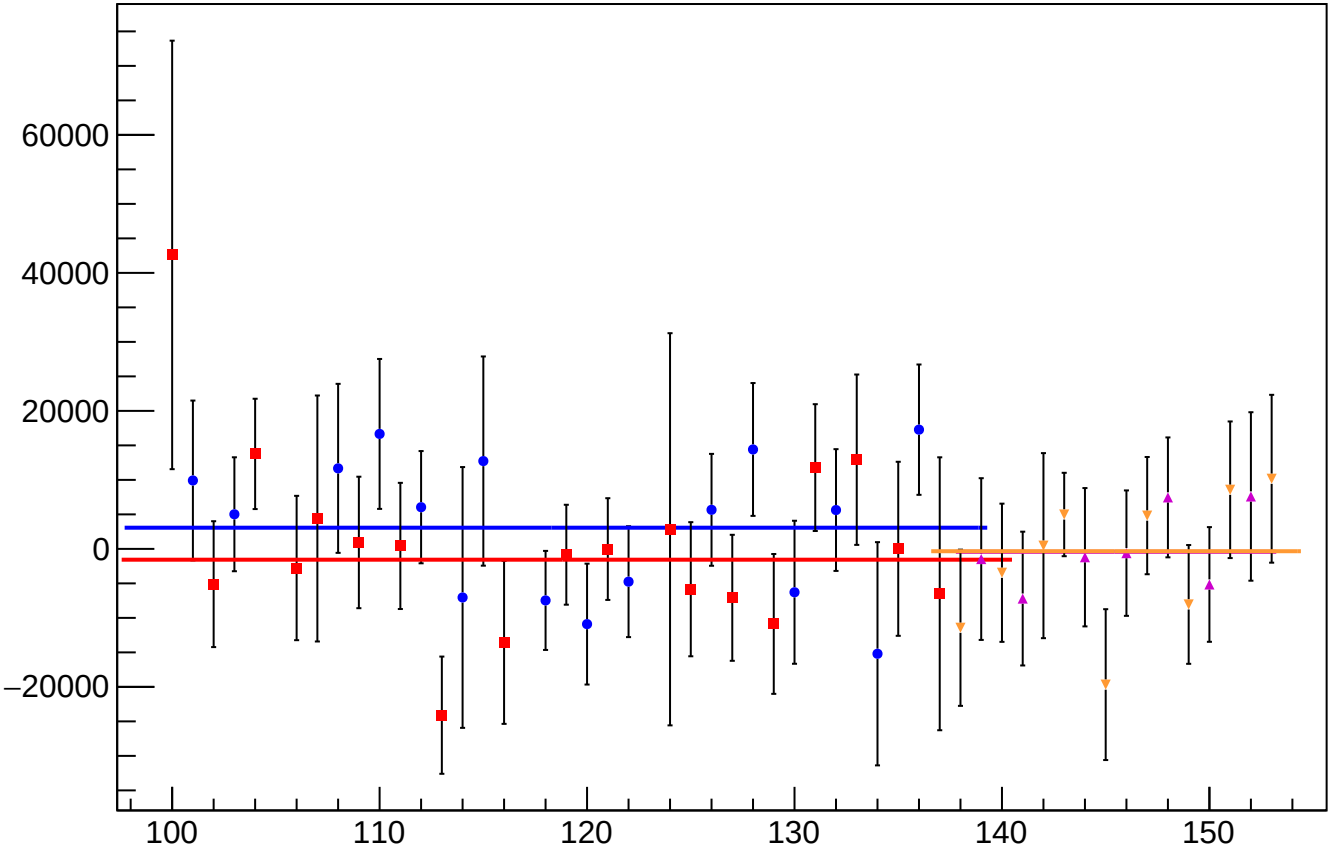
Left In: 9109.567+/-2.630 χ^2/NDF:198593.6/6

+ sign 6855.577+/-1.375 χ^2/NDF: 1795061.0/23

All: 6702.411+/-0.951 χ^2/NDF: 3805802.3/48

- sign 6562.060+/-1.317 χ^2/NDF: 1986974.8/24

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -338.478+/-3109.961 χ^2/NDF:7.7/8

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

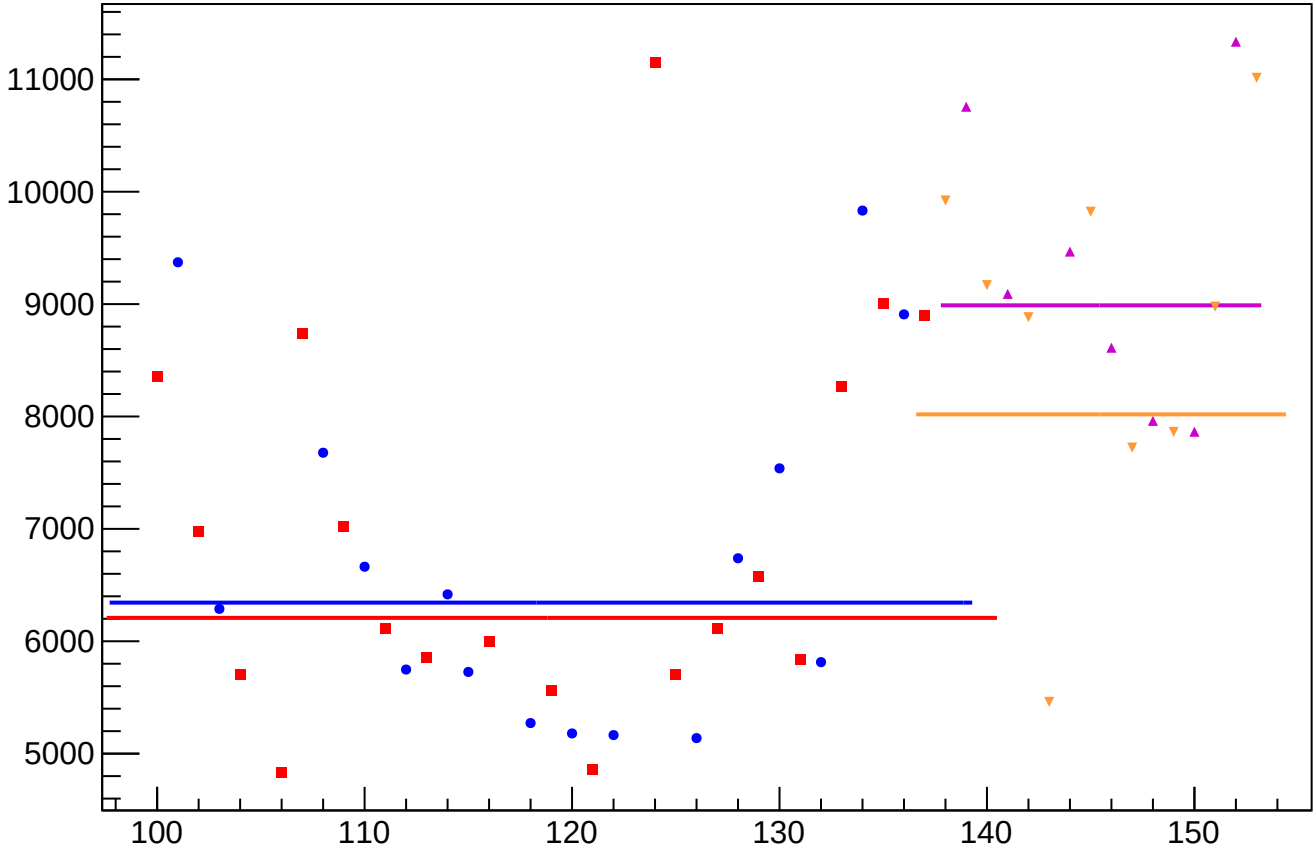
Left In: -425.633+/-3666.017 χ^2/NDF:2.1/6

+ sign 1784.216+/-1910.247 χ^2/NDF: 23.3/24

All: 319.866+/-1371.378 χ^2/NDF: 45.9/50

- sign -1237.485+/-1969.973 χ^2/NDF: 21.4/25

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8018.759+/-2.199 χ^2/NDF:647076.1/8

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

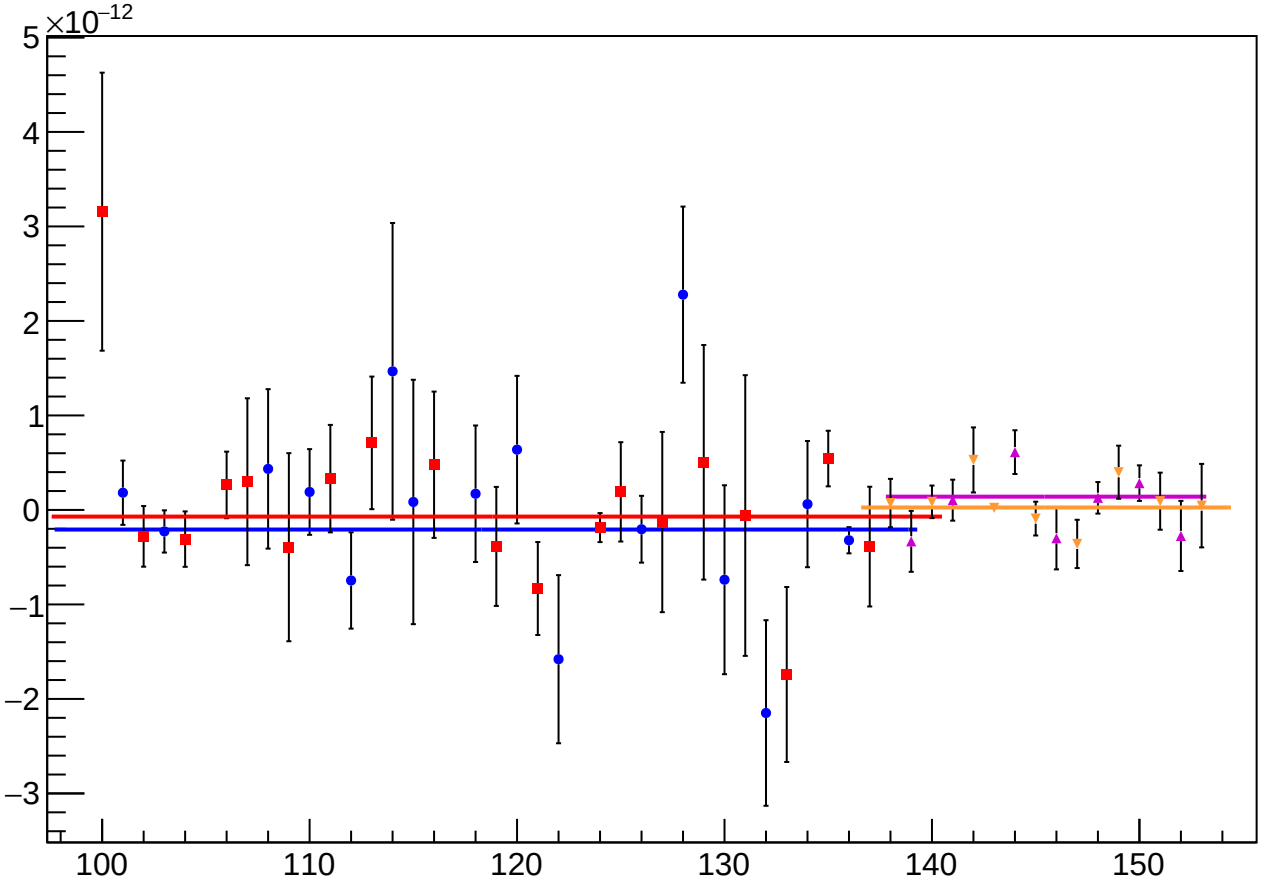
Left In: 8989.118+/-2.592 χ^2/NDF:192174.2/6

+ sign 6975.733+/-1.351 χ^2/NDF: 1629577.0/24

All: 6992.888+/-0.970 χ^2/NDF: 3112517.3/50

- sign 7011.133+/-1.393 χ^2/NDF: 1482607.5/25

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/8

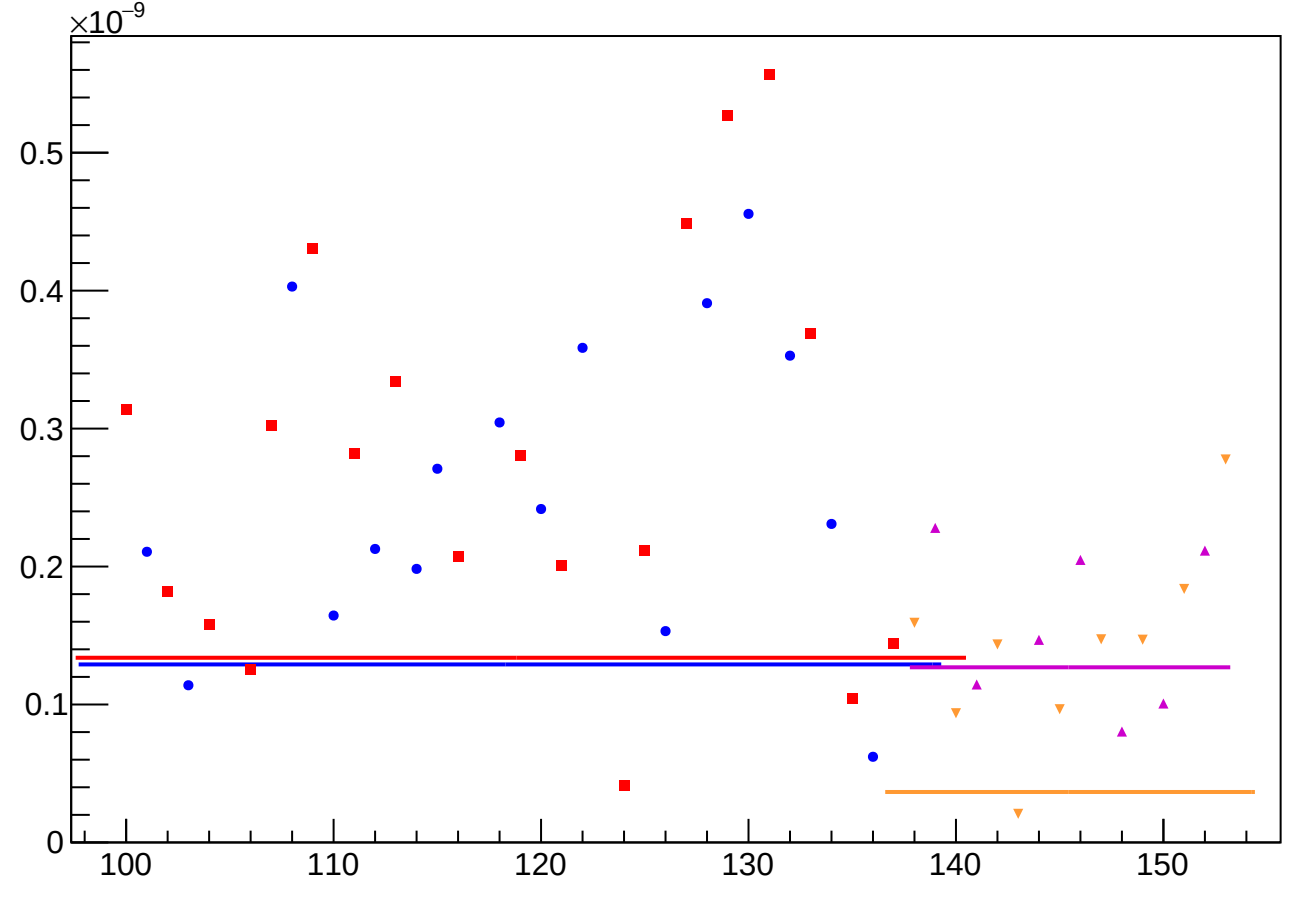
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 33.1/24

All: 0.000+/-0.000 χ^2/NDF: 66.9/50

- sign 0.000+/-0.000 χ^2/NDF: 33.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3246721.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

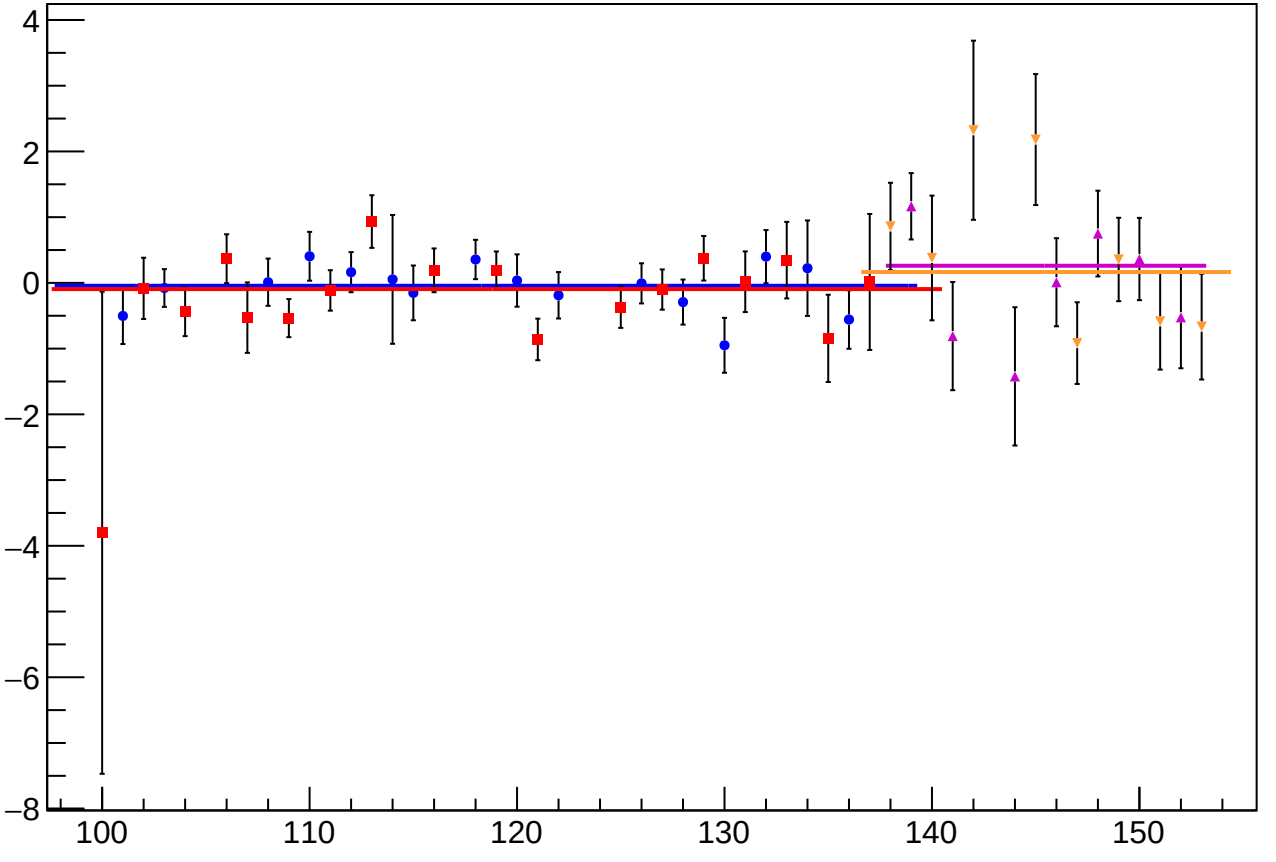
Left In: 0.000+/-0.000 χ^2/NDF:627665.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 6649830.0/24

All: 0.000+/-0.000 χ^2/NDF: 12307901.5/50

- sign 0.000+/-0.000 χ^2/NDF: 2937851.8/25

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.165+/-0.273 χ^2/NDF:13.0/7

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

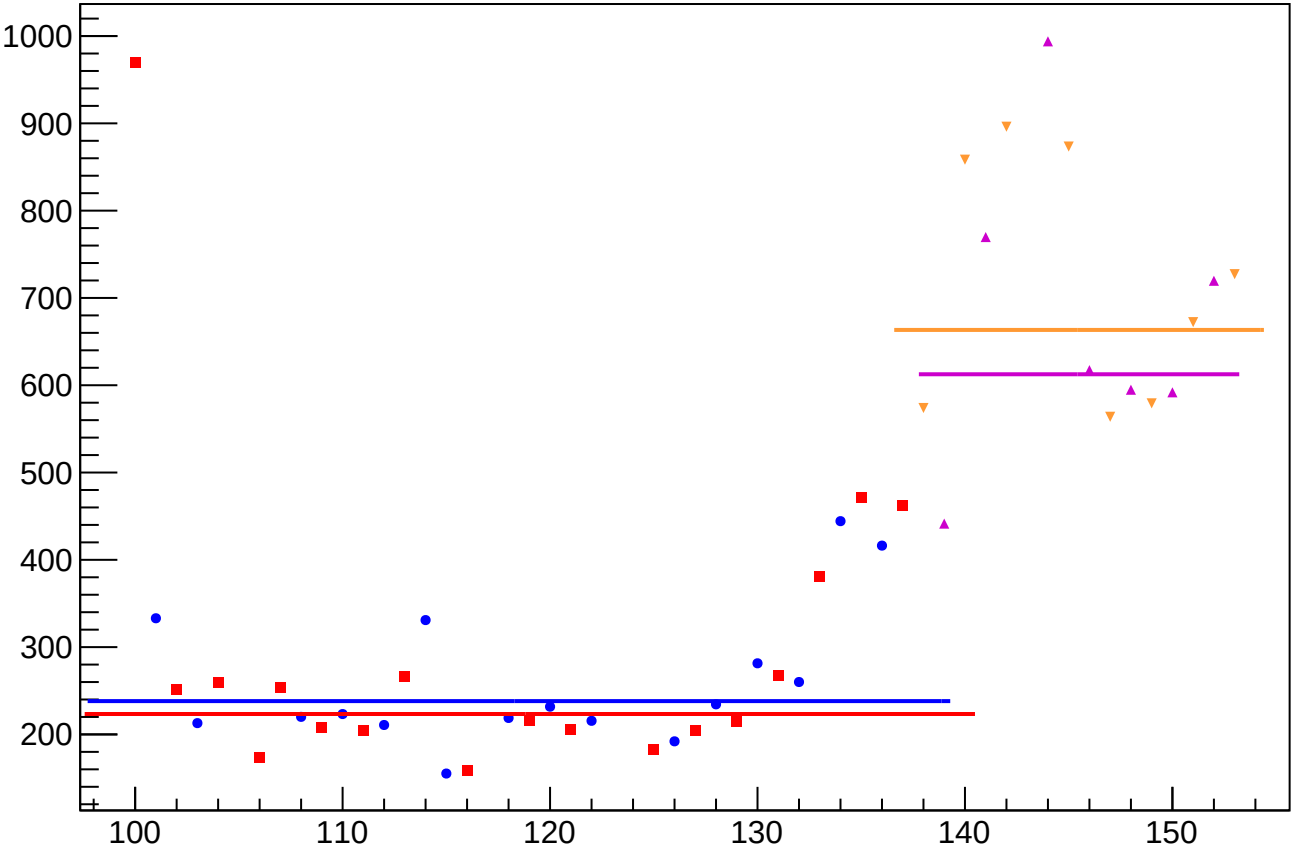
Left In: 0.261+/-0.257 χ^2/NDF:9.2/6

+ sign -0.022+/-0.089 χ^2/NDF: 26.6/23

All: -0.040+/-0.061 χ^2/NDF: 62.8/48

- sign -0.056+/-0.085 χ^2/NDF: 36.2/24

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 663.359+/-0.193 χ^2/NDF:367241.0/7

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

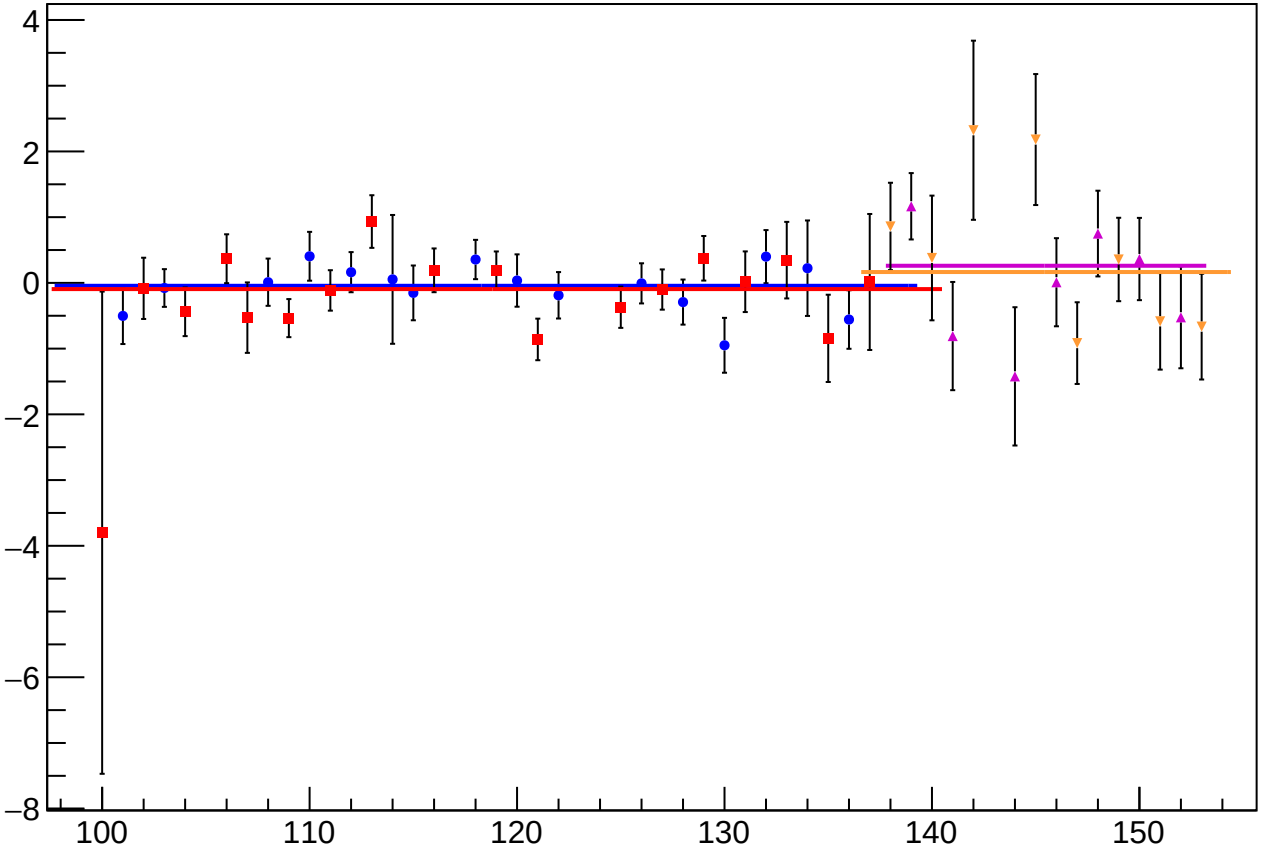
Left In: 612.564+/-0.182 χ^2/NDF:607275.5/6

+ sign 282.977+/-0.063 χ^2/NDF: 5505744.4/23

All: 274.028+/-0.043 χ^2/NDF: 11088333.6/48

- sign 265.815+/-0.060 χ^2/NDF: 5543562.9/24

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.165+/-0.273 χ^2/NDF:13.0/7

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

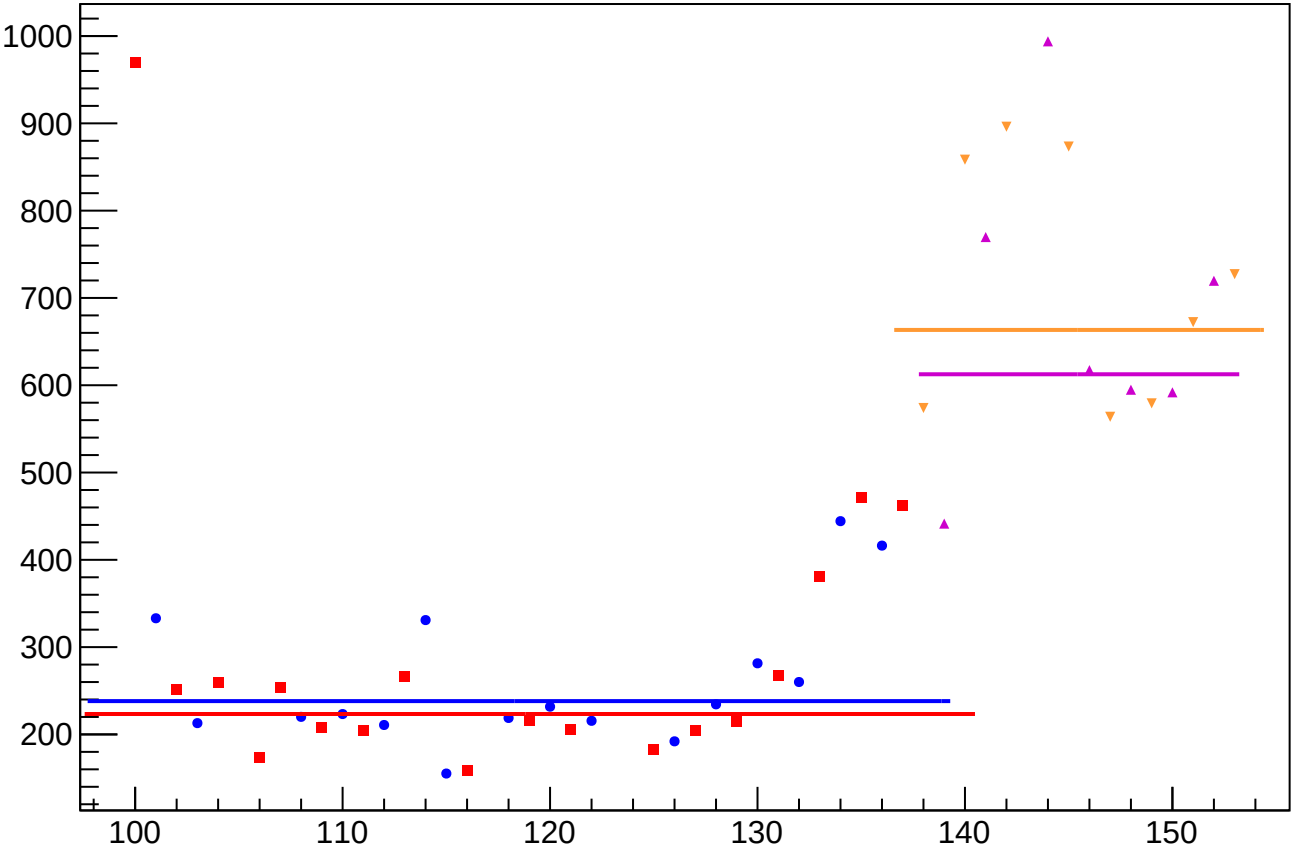
Left In: 0.261+/-0.257 χ^2/NDF:9.2/6

+ sign -0.022+/-0.089 χ^2/NDF: 26.6/23

All: -0.040+/-0.061 χ^2/NDF: 62.8/48

- sign -0.056+/-0.085 χ^2/NDF: 36.2/24

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 663.359+/-0.193 χ^2/NDF:367241.0/7

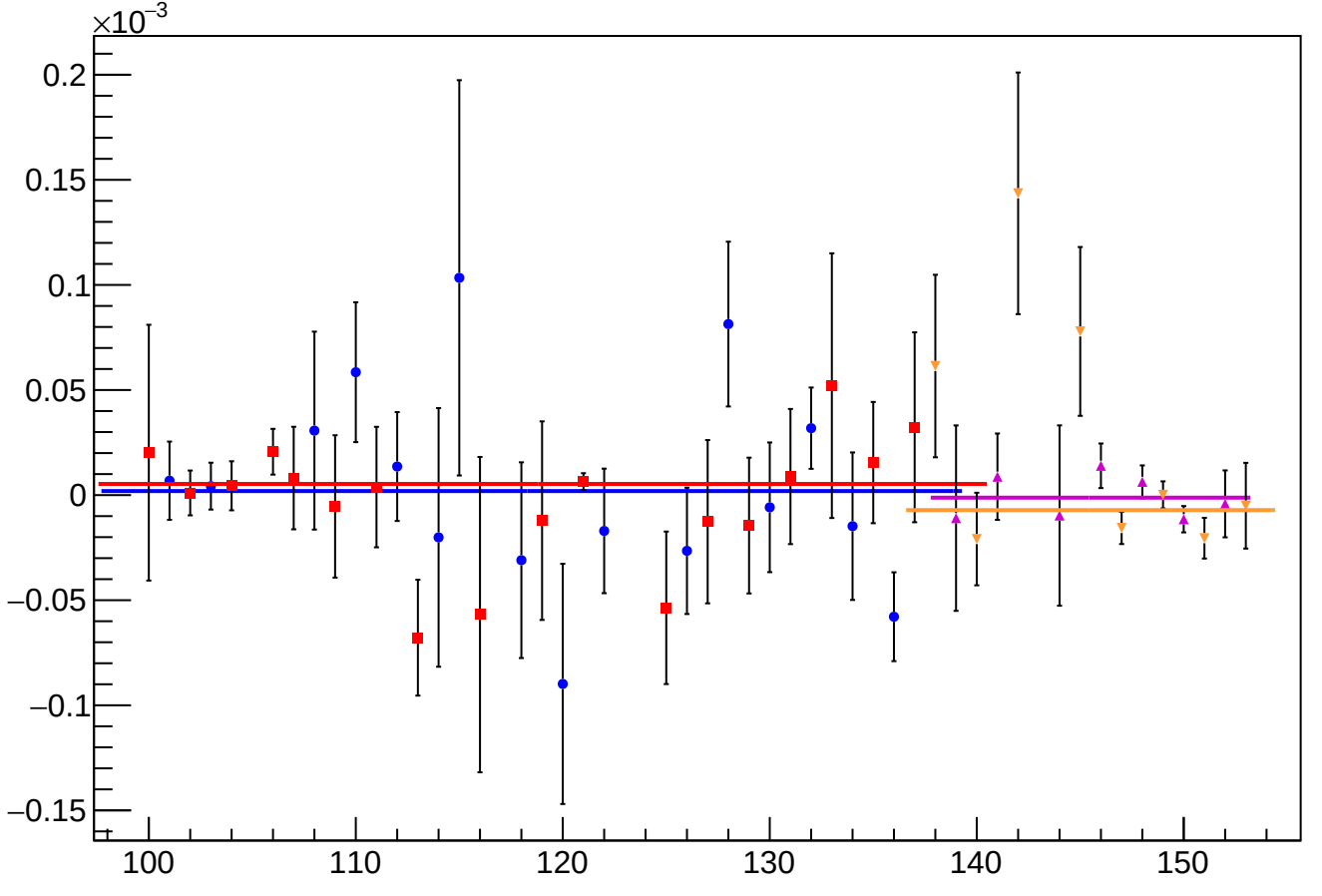
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 612.564+/-0.182 χ^2/NDF:607275.5/6

+ sign 282.977+/-0.063 χ^2/NDF: 5505744.4/23

All: 274.028+/-0.043 χ^2/NDF: 11088333.6/48

- sign 265.815+/-0.060 χ^2/NDF: 5543562.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/7

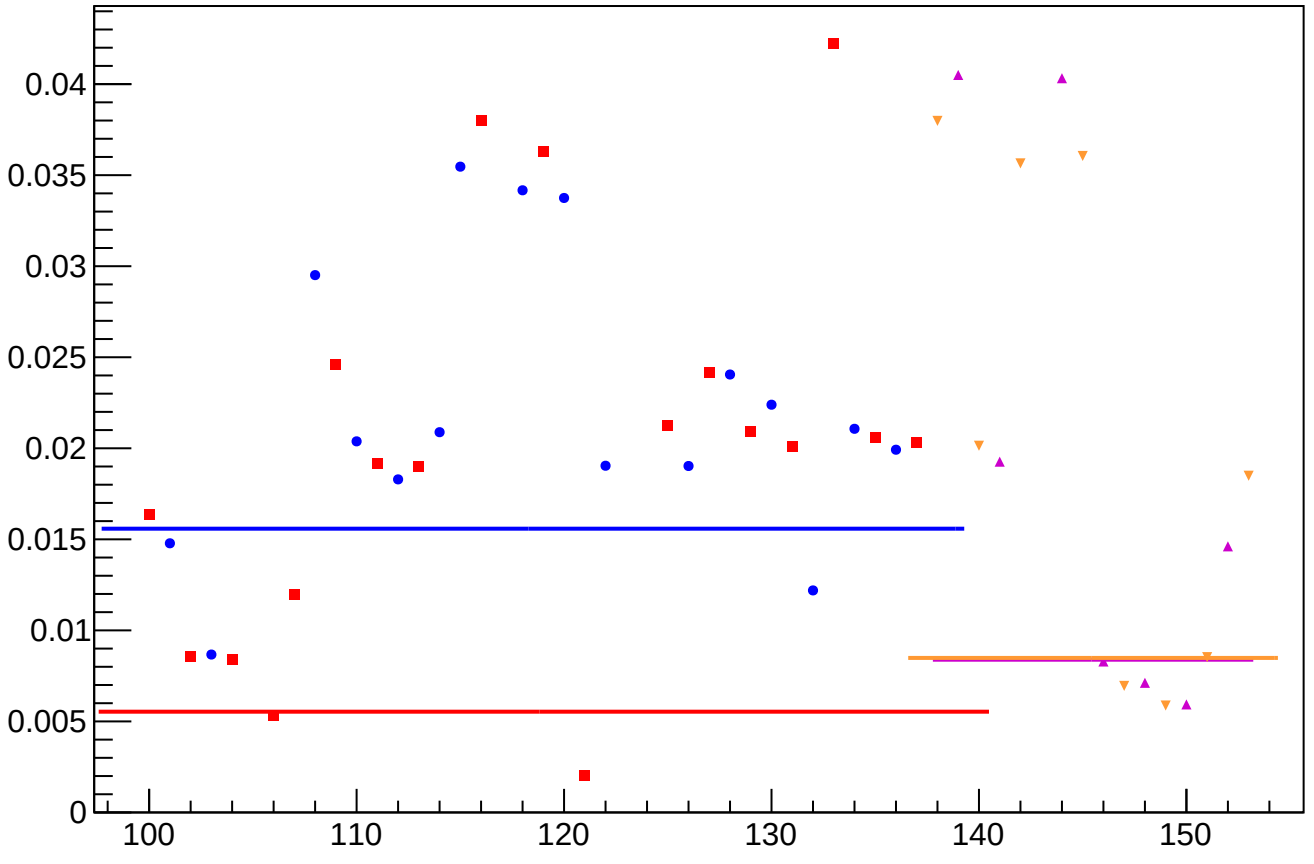
Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:6.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/23

All: 0.000+/-0.000 χ^2/NDF: 69.1/48

- sign 0.000+/-0.000 χ^2/NDF: 22.1/24



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:3765032.7/7

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

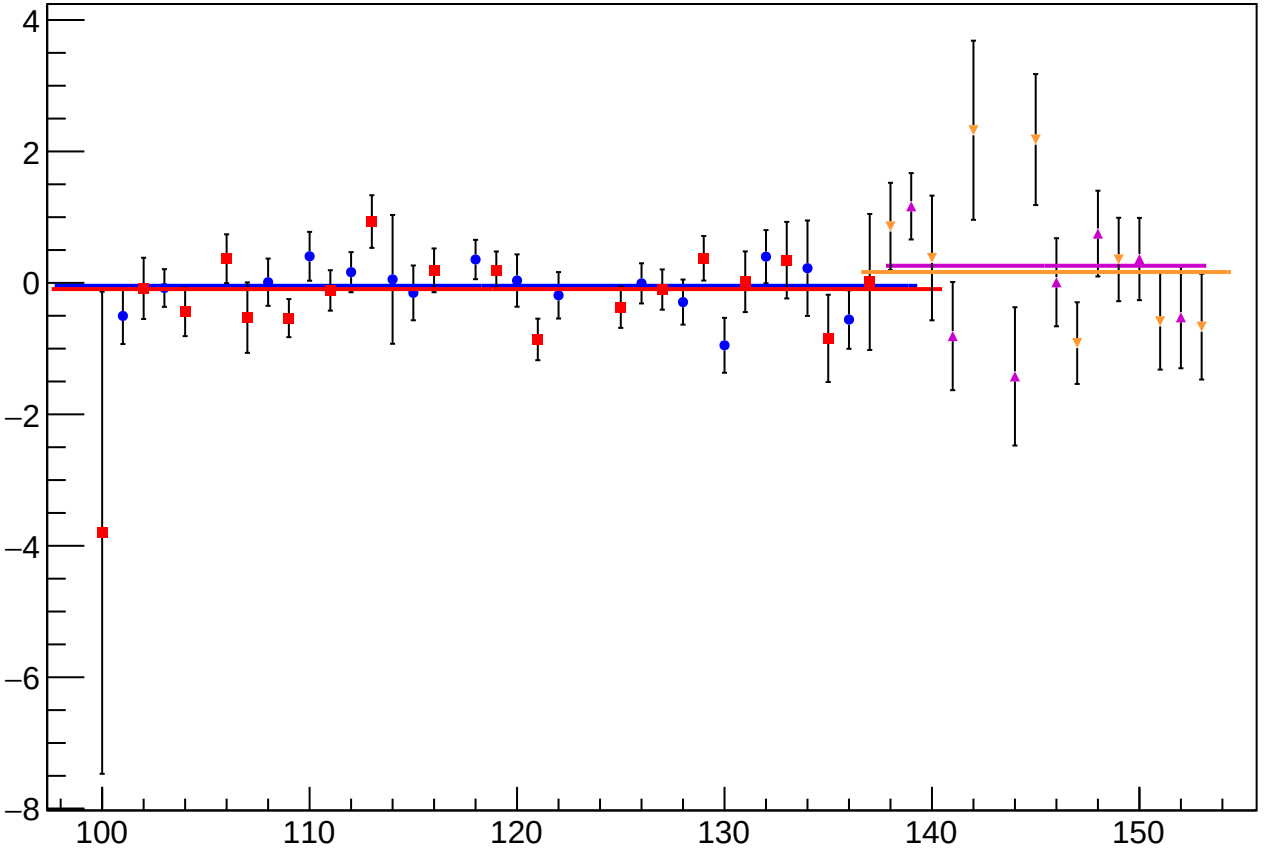
Left In: 0.008+/-0.000 χ^2/NDF:3395230.7/6

+ sign 0.011+/-0.000 χ^2/NDF: 7578546.3/23

All: 0.008+/-0.000 χ^2/NDF: 21253286.0/48

- sign 0.007+/-0.000 χ^2/NDF: 11944552.1/24

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.165+/-0.273 χ^2/NDF:13.0/7

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

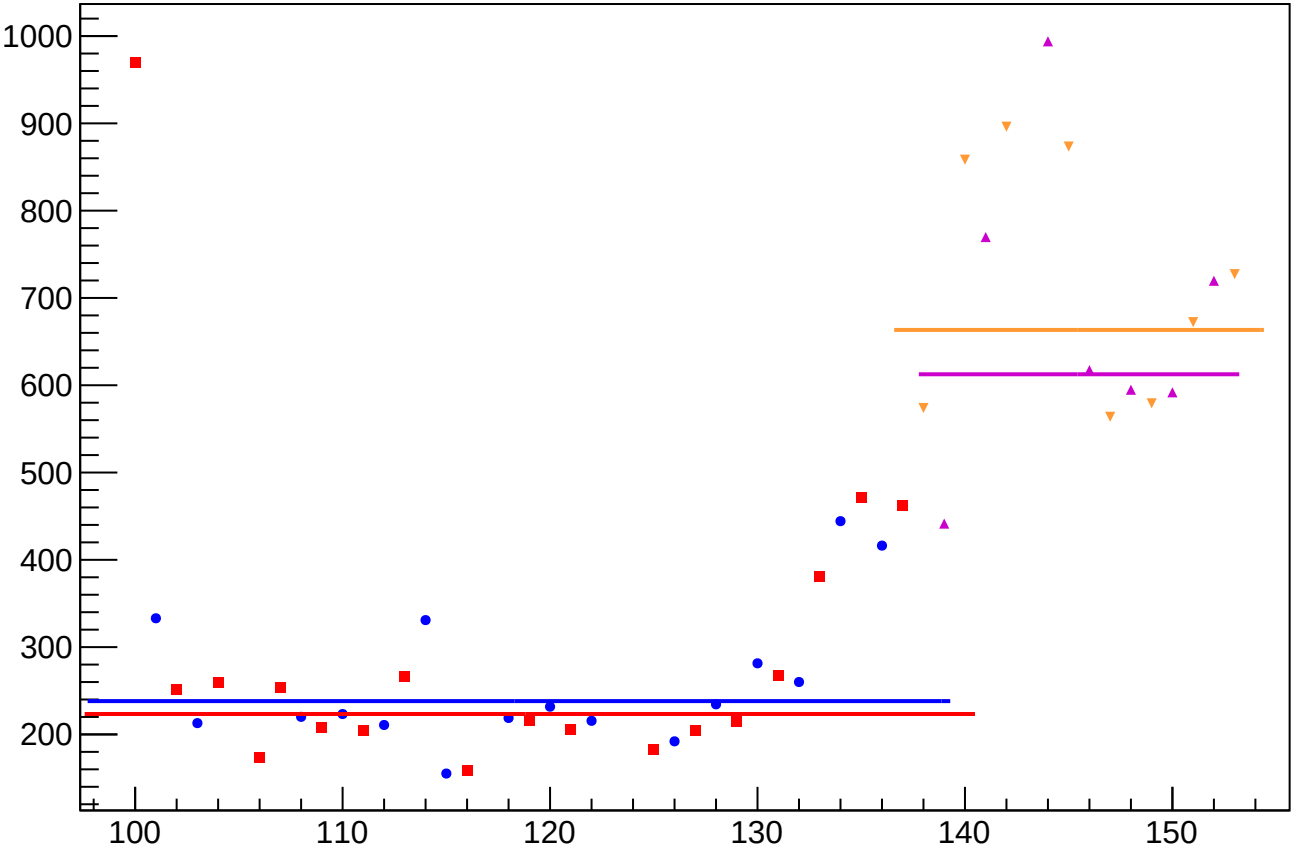
Left In: 0.261+/-0.257 χ^2/NDF:9.2/6

+ sign -0.022+/-0.089 χ^2/NDF: 26.6/23

All: -0.040+/-0.061 χ^2/NDF: 62.8/48

- sign -0.056+/-0.085 χ^2/NDF: 36.2/24

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 663.364+/-0.193 χ^2/NDF:367273.5/7

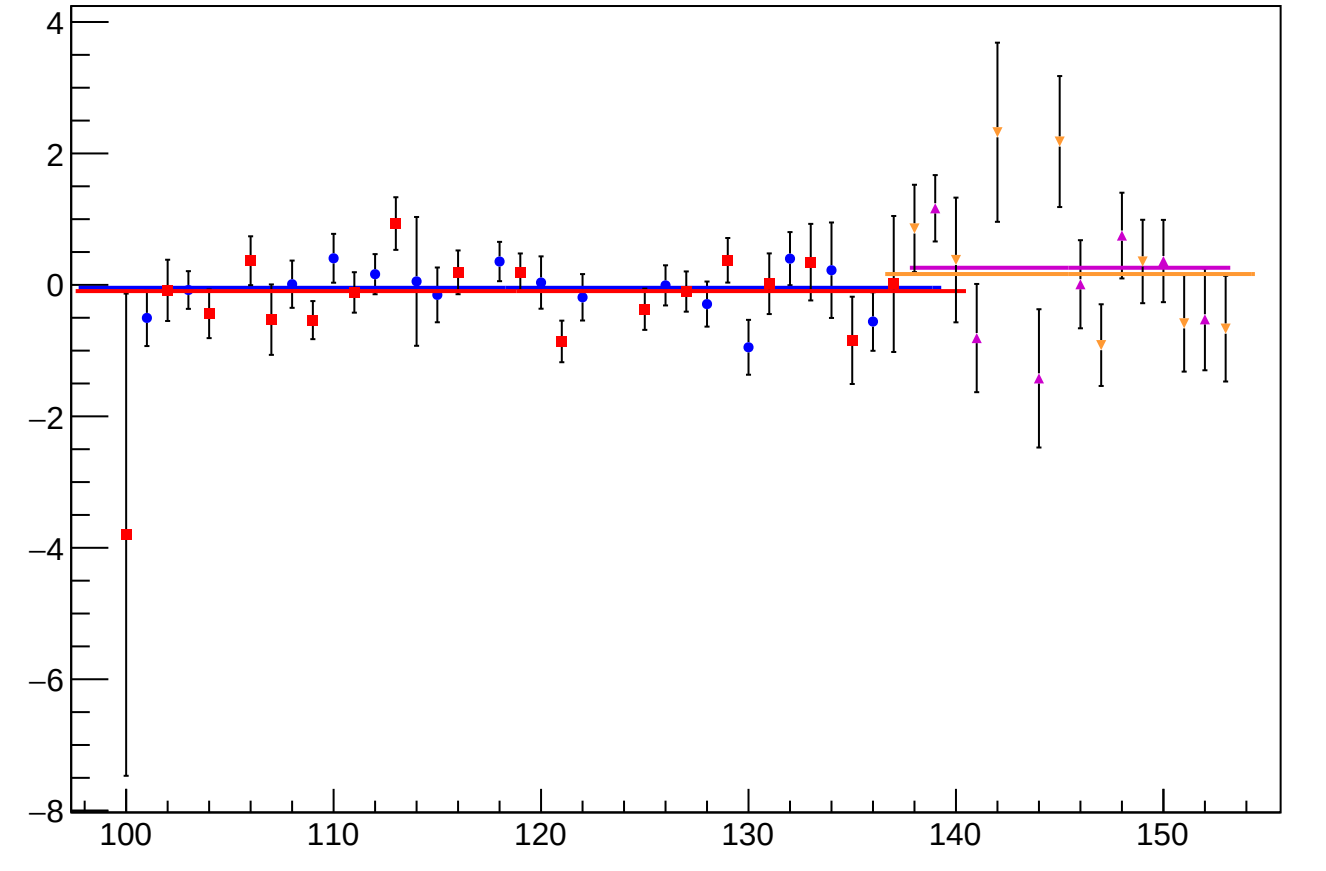
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 612.572+/-0.182 χ^2/NDF:607256.3/6

+ sign 282.978+/-0.063 χ^2/NDF: 5505760.0/23

All: 274.029+/-0.043 χ^2/NDF: 11088311.4/48

- sign 265.817+/-0.060 χ^2/NDF: 5543529.7/24



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.165+/-0.273 χ^2/NDF:13.0/7

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

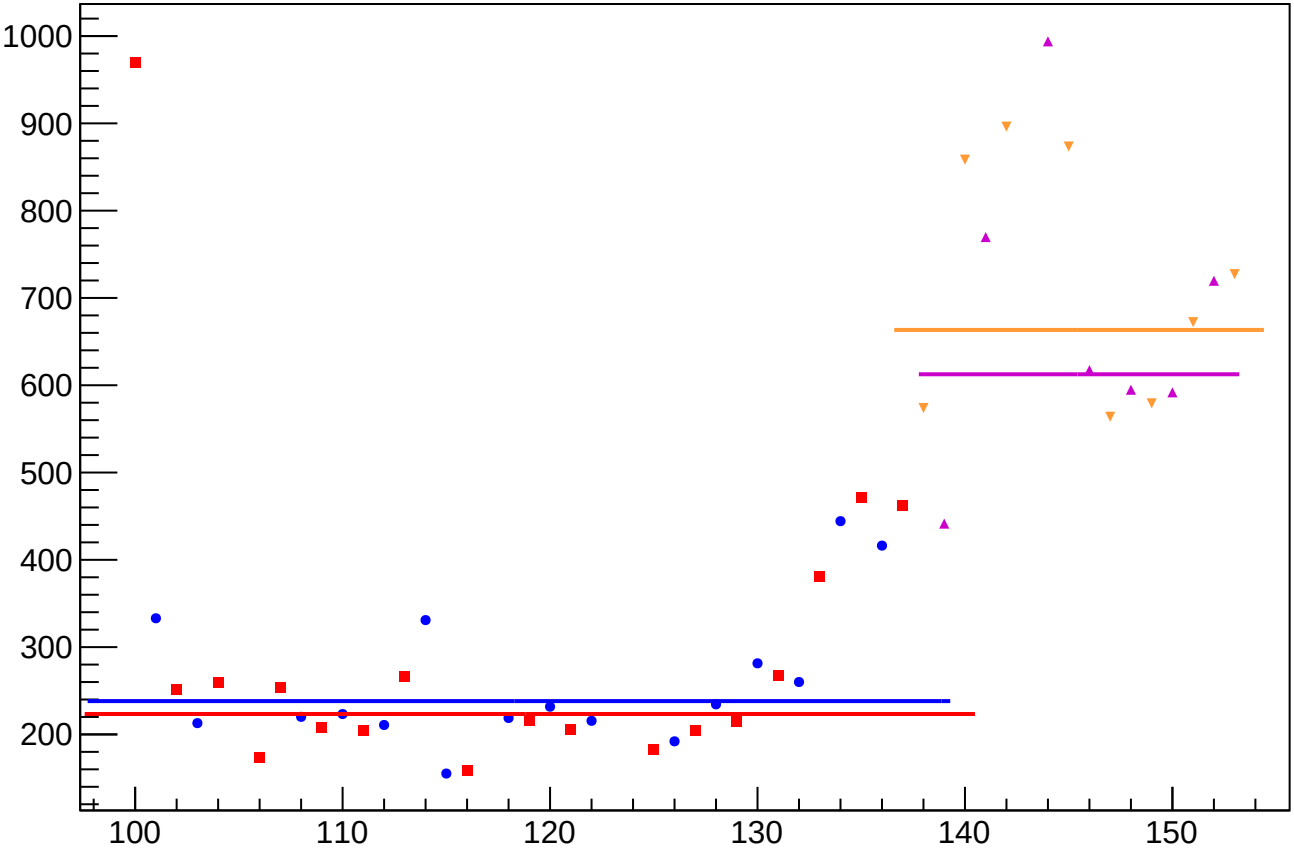
Left In: 0.261+/-0.257 χ^2/NDF:9.2/6

\+ sign -0.022+/-0.089 χ^2/NDF: 26.6/23

All: -0.040+/-0.061 χ^2/NDF: 62.8/48

\- sign -0.056+/-0.085 χ^2/NDF: 36.2/24

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 663.364+/-0.193 χ^2/NDF:367273.5/7

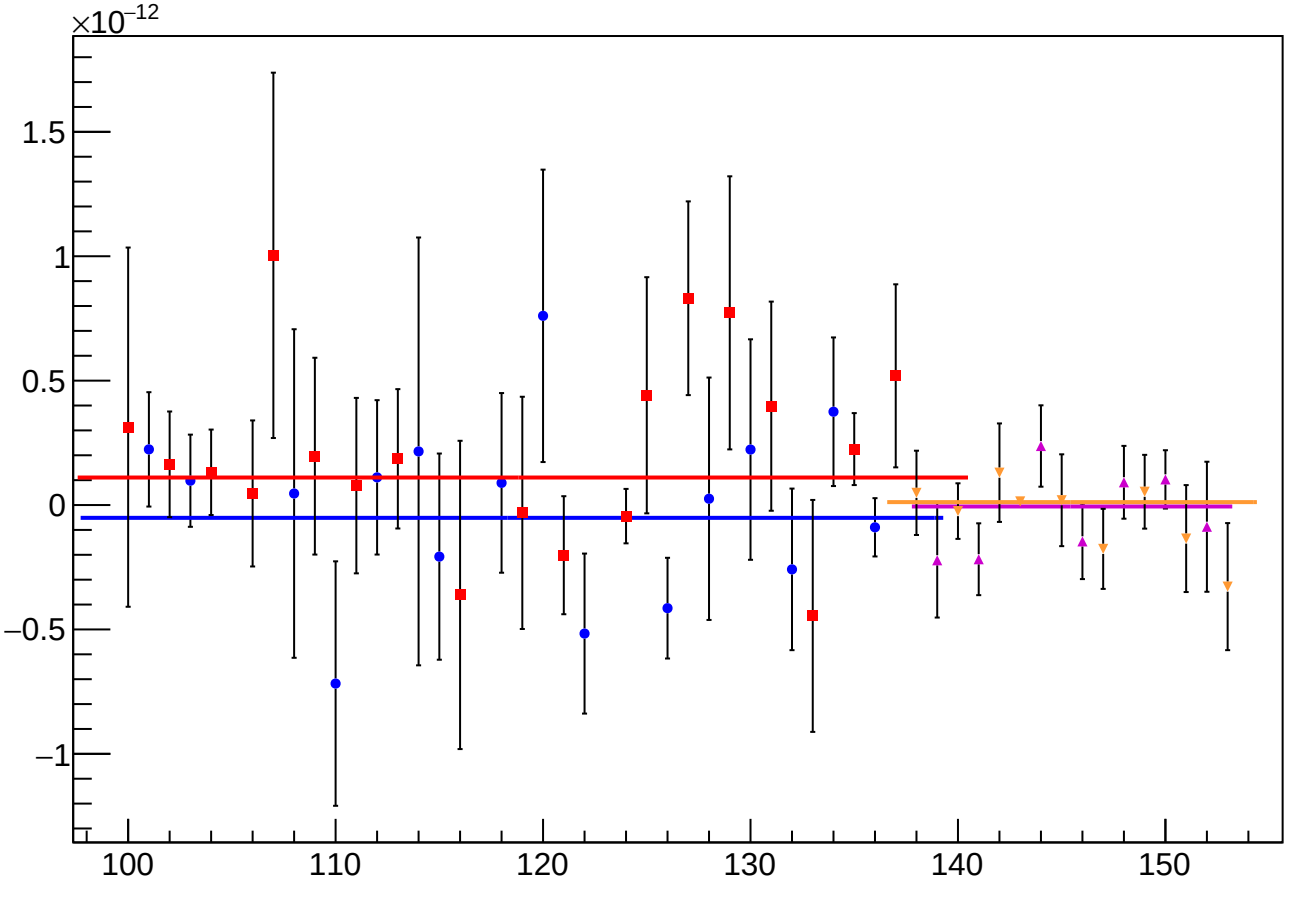
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 612.572+/-0.182 χ^2/NDF:607256.3/6

+ sign 282.978+/-0.063 χ^2/NDF: 5505760.0/23

All: 274.029+/-0.043 χ^2/NDF: 11088311.4/48

- sign 265.817+/-0.060 χ^2/NDF: 5543529.7/24



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/8

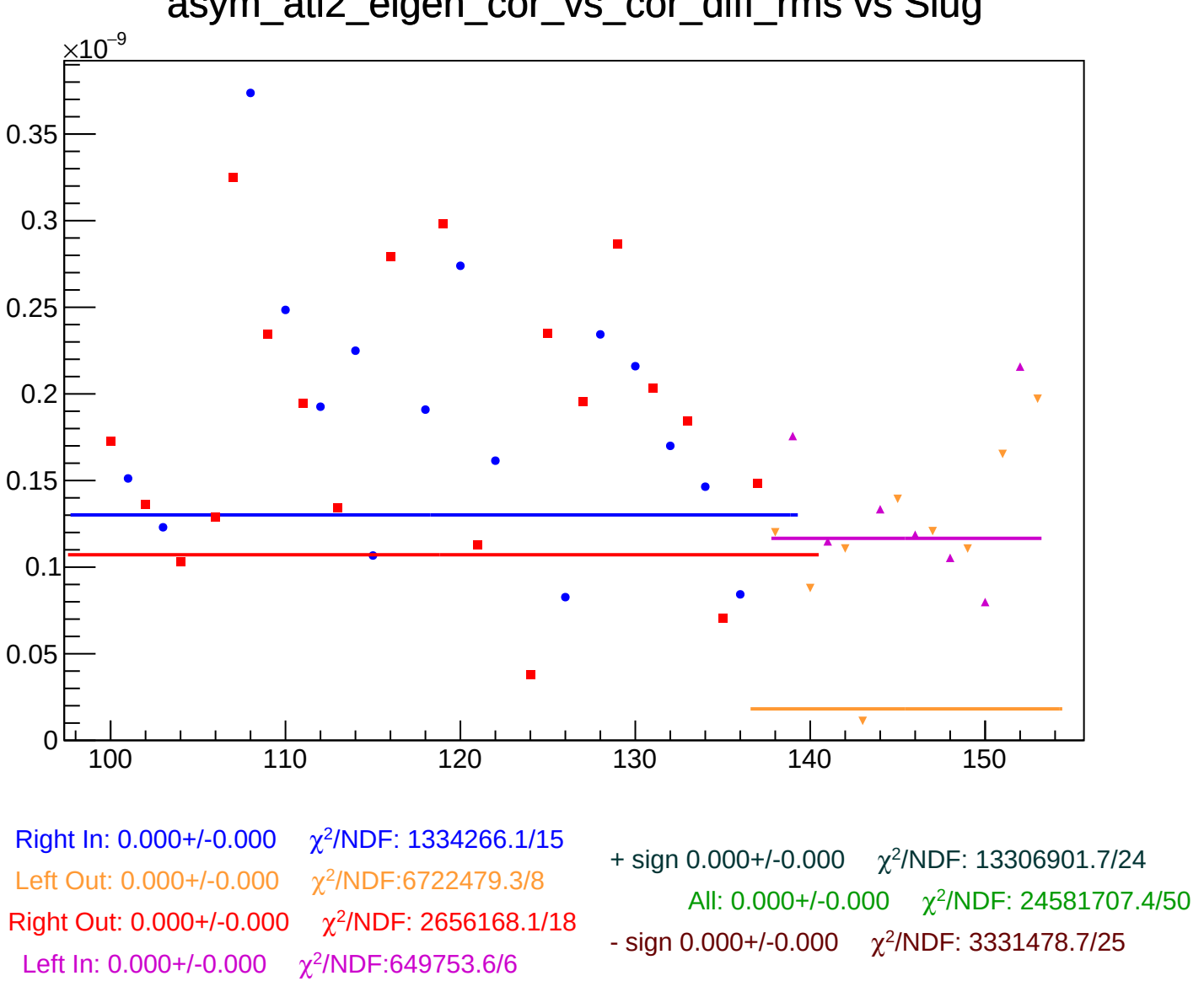
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/6

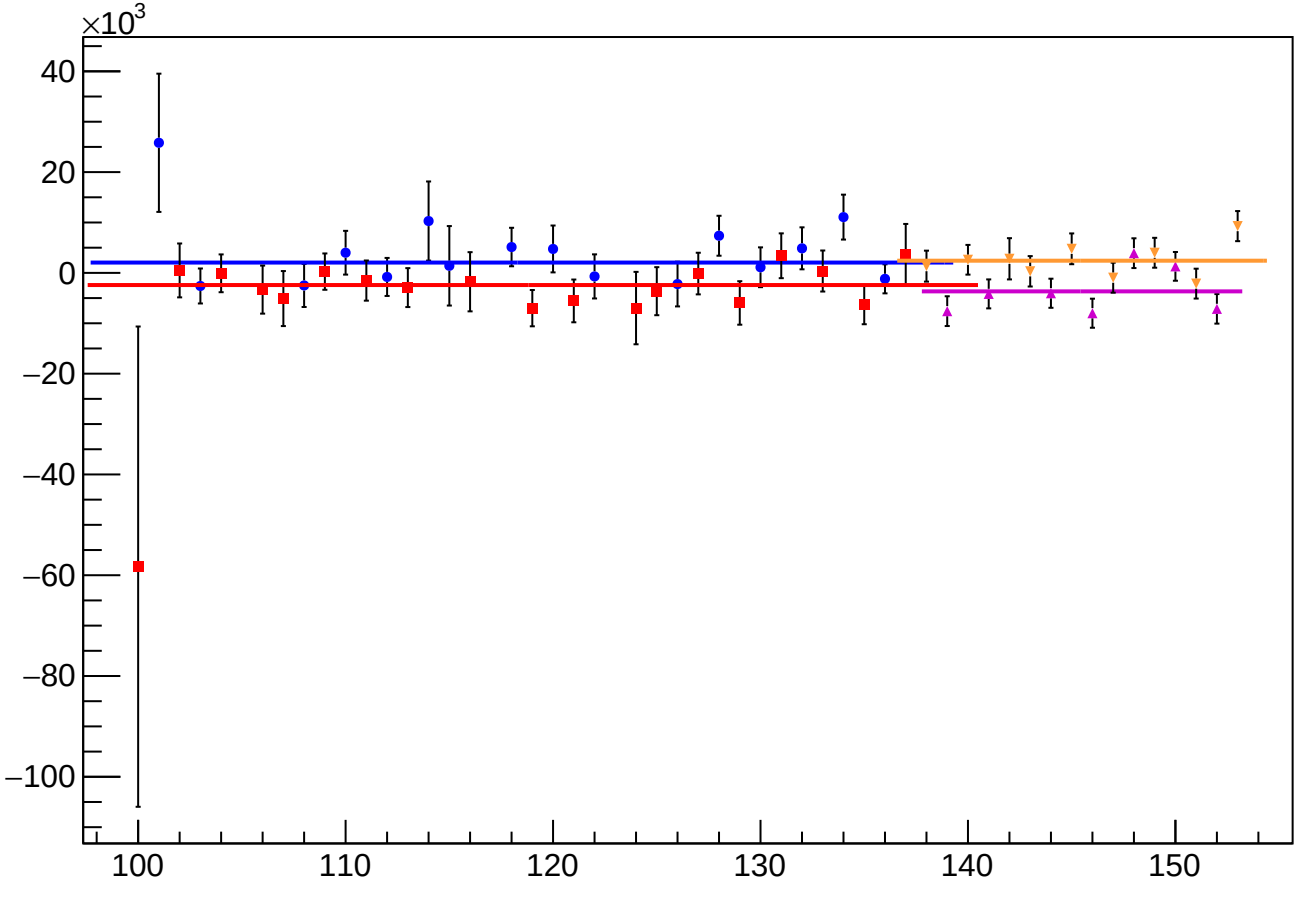
+ sign 0.000+/-0.000 χ^2/NDF: 19.8/24

All: 0.000+/-0.000 χ^2/NDF: 45.6/50

- sign 0.000+/-0.000 χ^2/NDF: 24.8/25


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:6722479.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:649753.6/6
+ sign 0.000+/-0.000 χ²/NDF: 13306901.7/24
All: 0.000+/-0.000 χ²/NDF: 24581707.4/50
- sign 0.000+/-0.000 χ²/NDF: 3331478.7/25

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2418.941+/-1025.694 χ^2/NDF:10.4/8

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

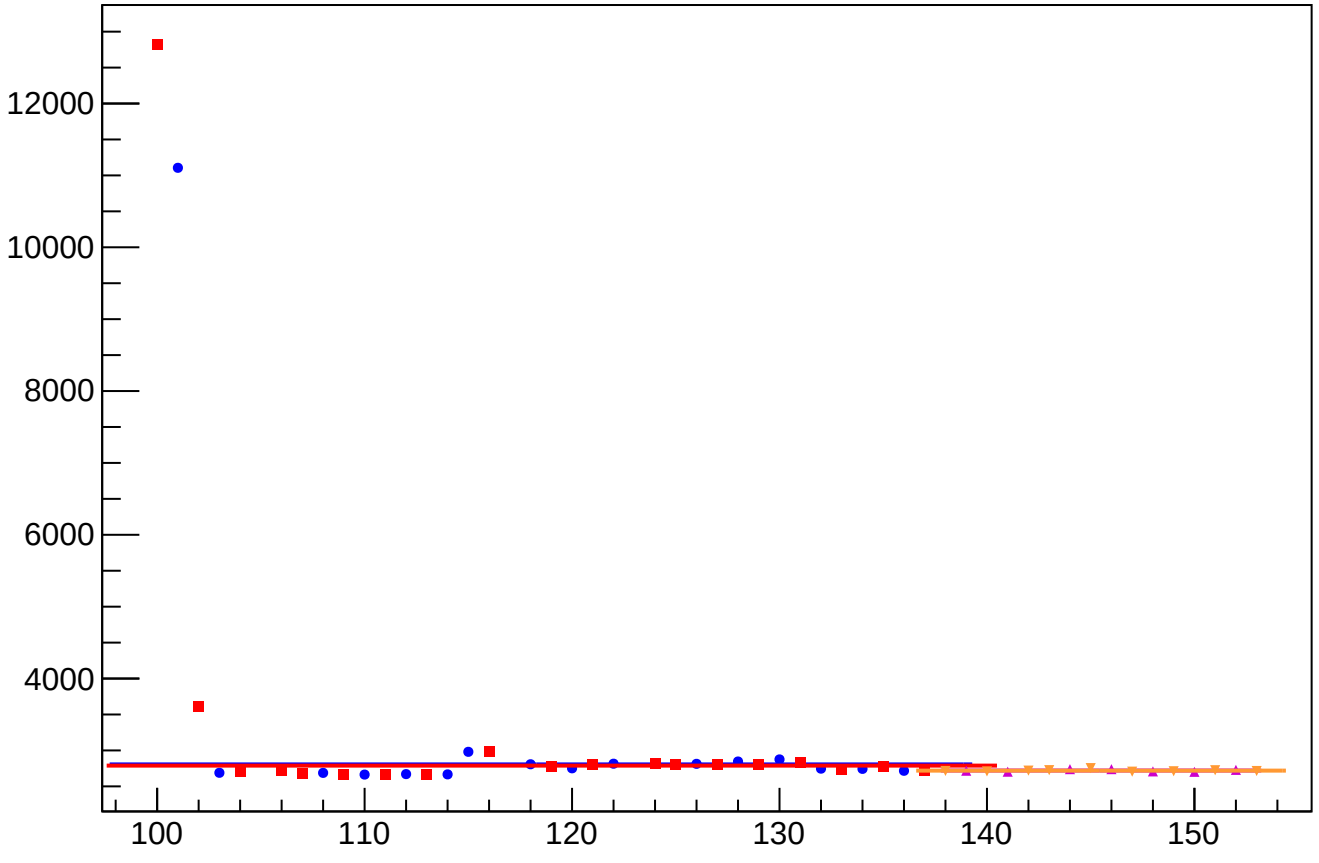
Left In: -3668.428+/-1097.880 χ^2/NDF:15.1/6

+ sign 2242.092+/-740.574 χ^2/NDF: 28.3/24

All: -336.028+/-528.102 χ^2/NDF: 79.5/50

- sign -3003.415+/-753.286 χ^2/NDF: 26.5/25

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2719.130+/-0.725 χ^2/NDF:377.6/8

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

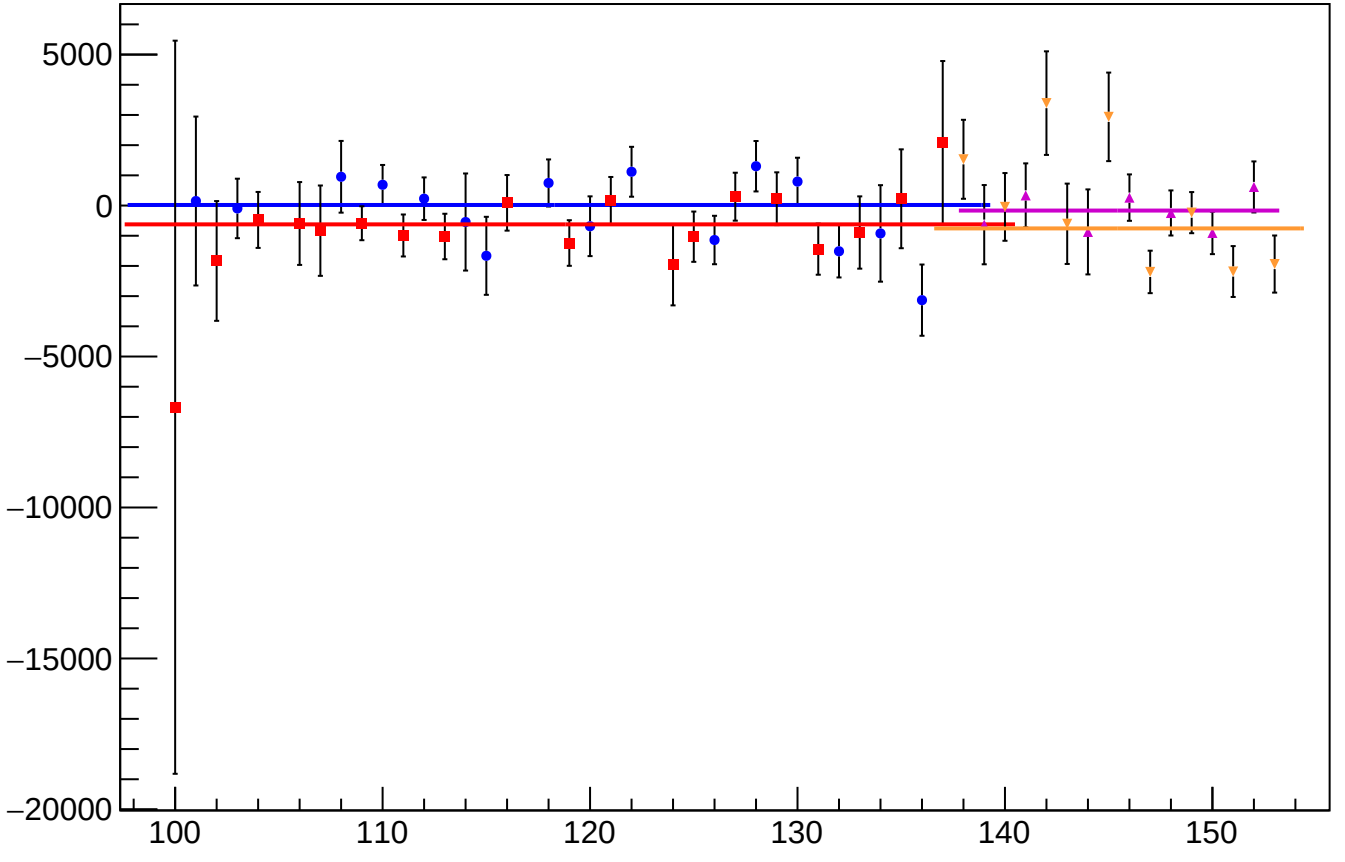
Left In: 2720.310+/-0.776 χ^2/NDF:373.3/6

+ sign 2760.448+/-0.524 χ^2/NDF: 753398.2/24

All: 2758.541+/-0.373 χ^2/NDF: 904918.4/50

- sign 2756.568+/-0.533 χ^2/NDF: 151493.3/25

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -757.209+/-325.205 χ^2/NDF:24.9/8

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

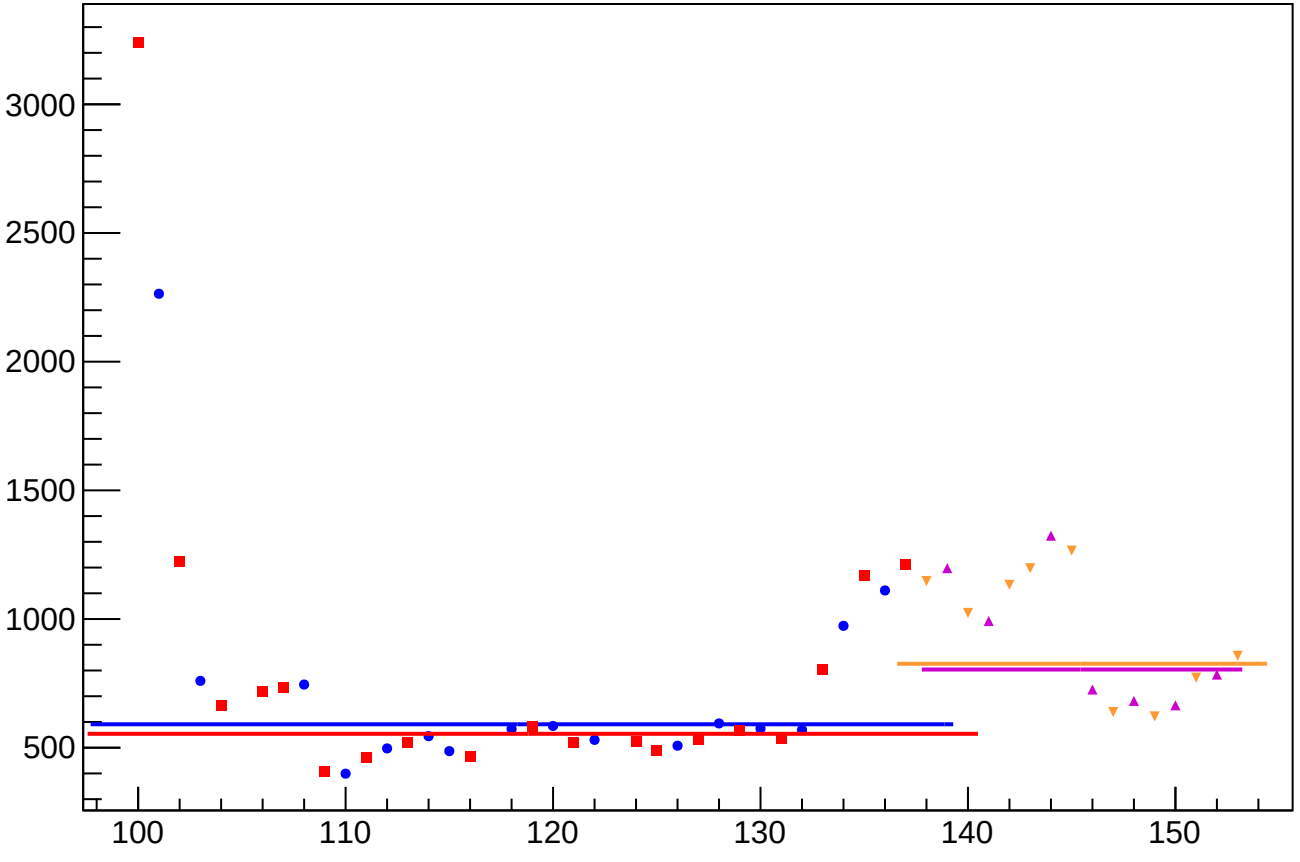
Left In: -165.965+/-335.479 χ^2/NDF:2.9/6

\+ sign -245.028+/-189.663 χ^2/NDF: 51.4/24

All: -372.418+/-131.161 χ^2/NDF: 65.8/50

\- sign -489.182+/-181.581 χ^2/NDF: 13.5/25

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 826.233+/-0.230 χ^2/NDF:915475.8/8

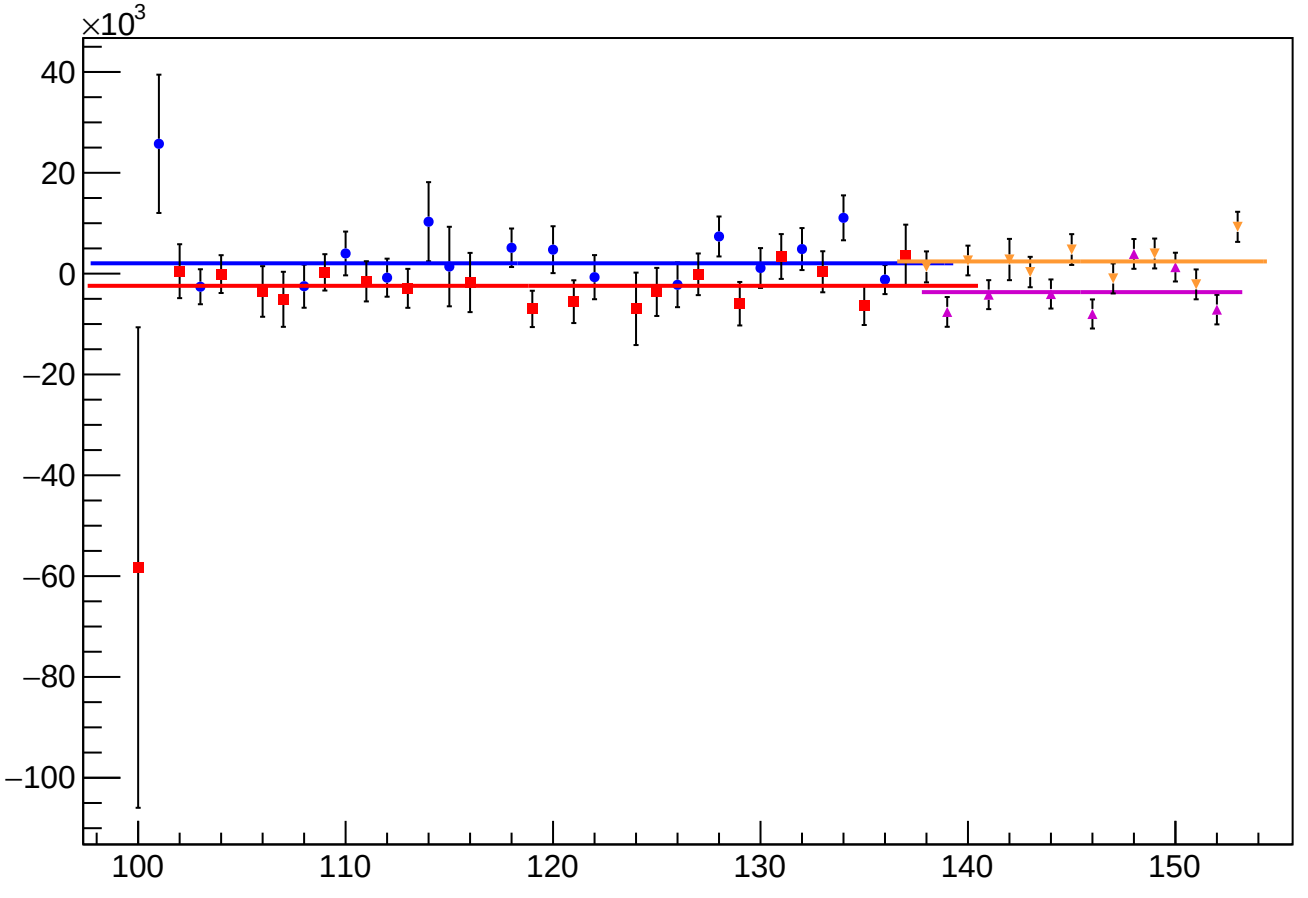
Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 803.781+/-0.237 χ^2/NDF:669538.6/6

+ sign 671.038+/-0.134 χ^2/NDF: 3173401.5/24

All: 648.146+/-0.093 χ^2/NDF: 5799712.3/50

- sign 627.163+/-0.128 χ^2/NDF: 2570469.0/25



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2418.947+/-1025.694 χ^2/NDF:10.4/8

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

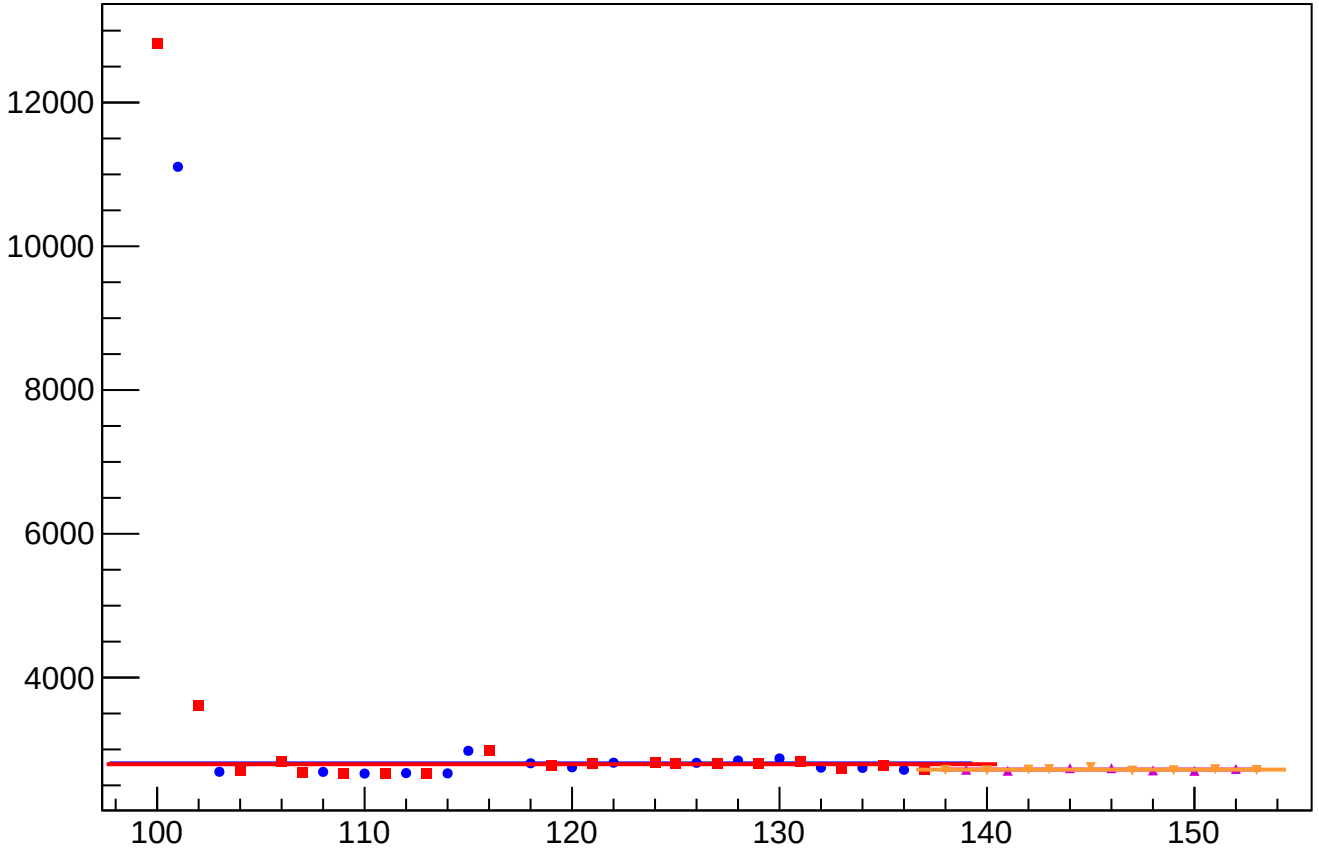
Left In: -3668.690+/-1097.880 χ^2/NDF:15.1/6

+ sign 2241.710+/-740.574 χ^2/NDF: 28.3/24

All: -335.371+/-528.417 χ^2/NDF: 79.5/50

- sign -3008.175+/-754.202 χ^2/NDF: 26.5/25

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.130+/-0.725 χ^2/NDF:377.6/8

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

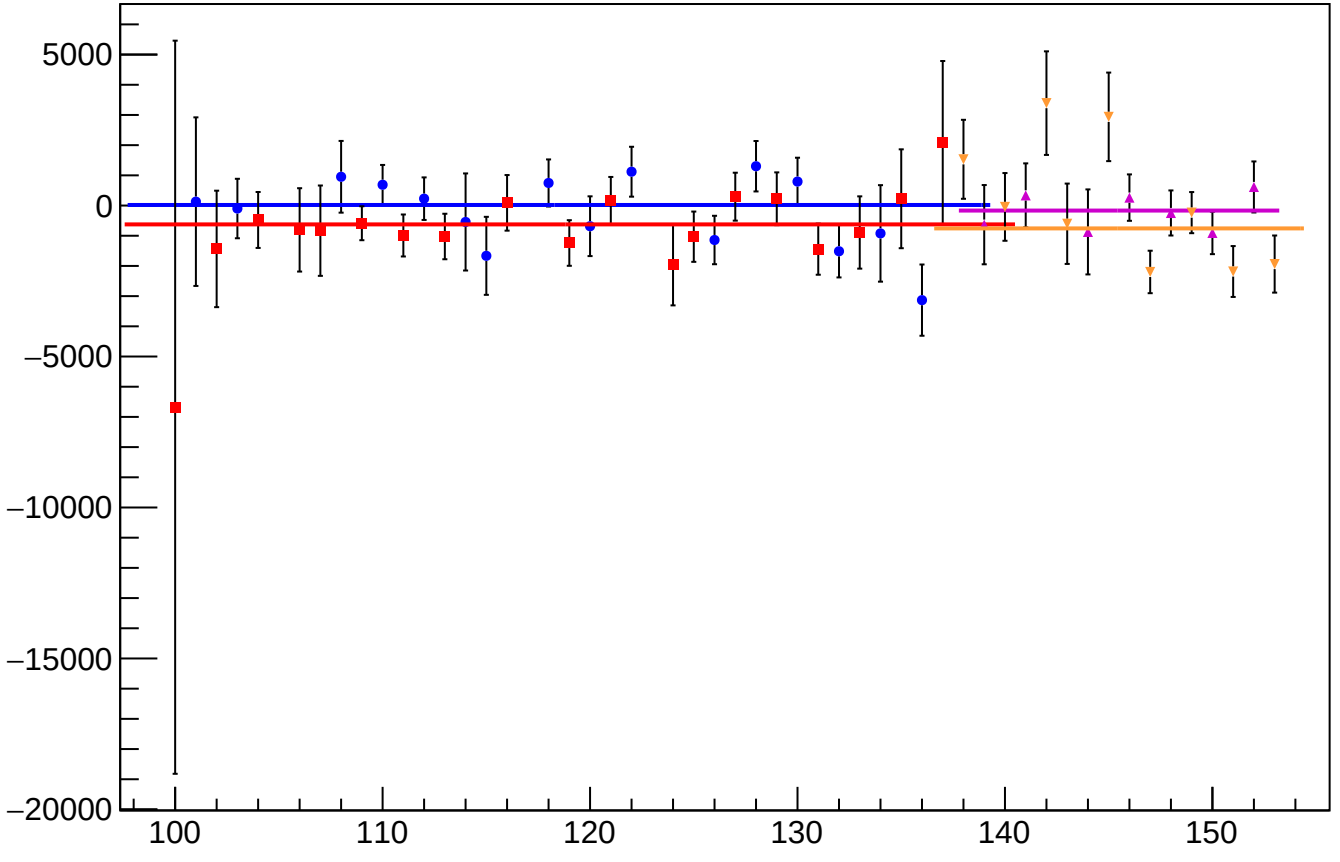
Left In: 2720.310+/-0.776 χ^2/NDF:373.3/6

+ sign 2760.448+/-0.524 χ^2/NDF: 753397.3/24

All: 2759.888+/-0.374 χ^2/NDF: 905295.6/50

- sign 2759.308+/-0.533 χ^2/NDF: 151896.0/25

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -757.196+/-325.203 χ^2/NDF:24.9/8

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

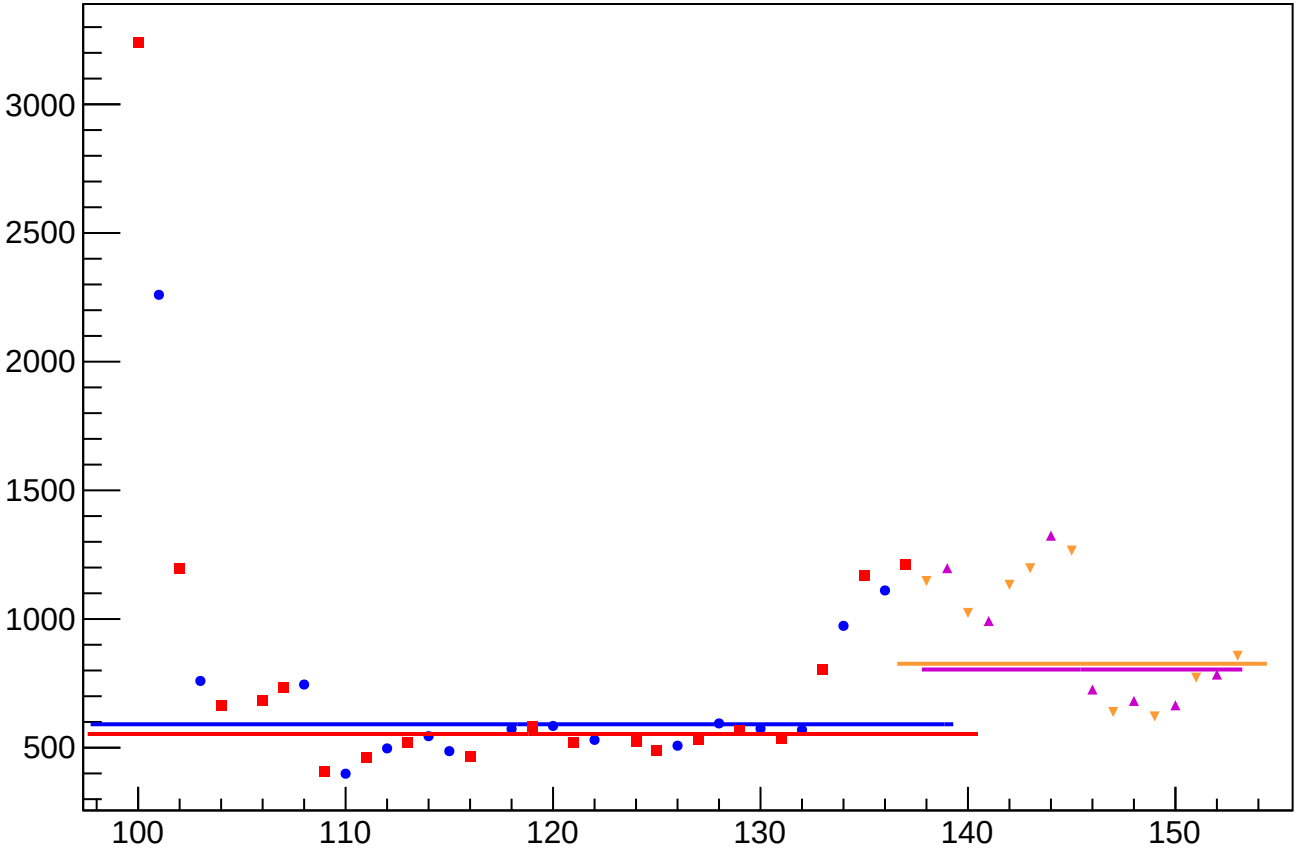
Left In: -166.208+/-335.479 χ^2/NDF:2.9/6

\+ sign -245.036+/-189.656 χ^2/NDF: 51.4/24

All: -372.903+/-131.149 χ^2/NDF: 65.6/50

\- sign -490.079+/-181.554 χ^2/NDF: 13.3/25

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 826.226+/-0.230 χ^2/NDF:915483.6/8

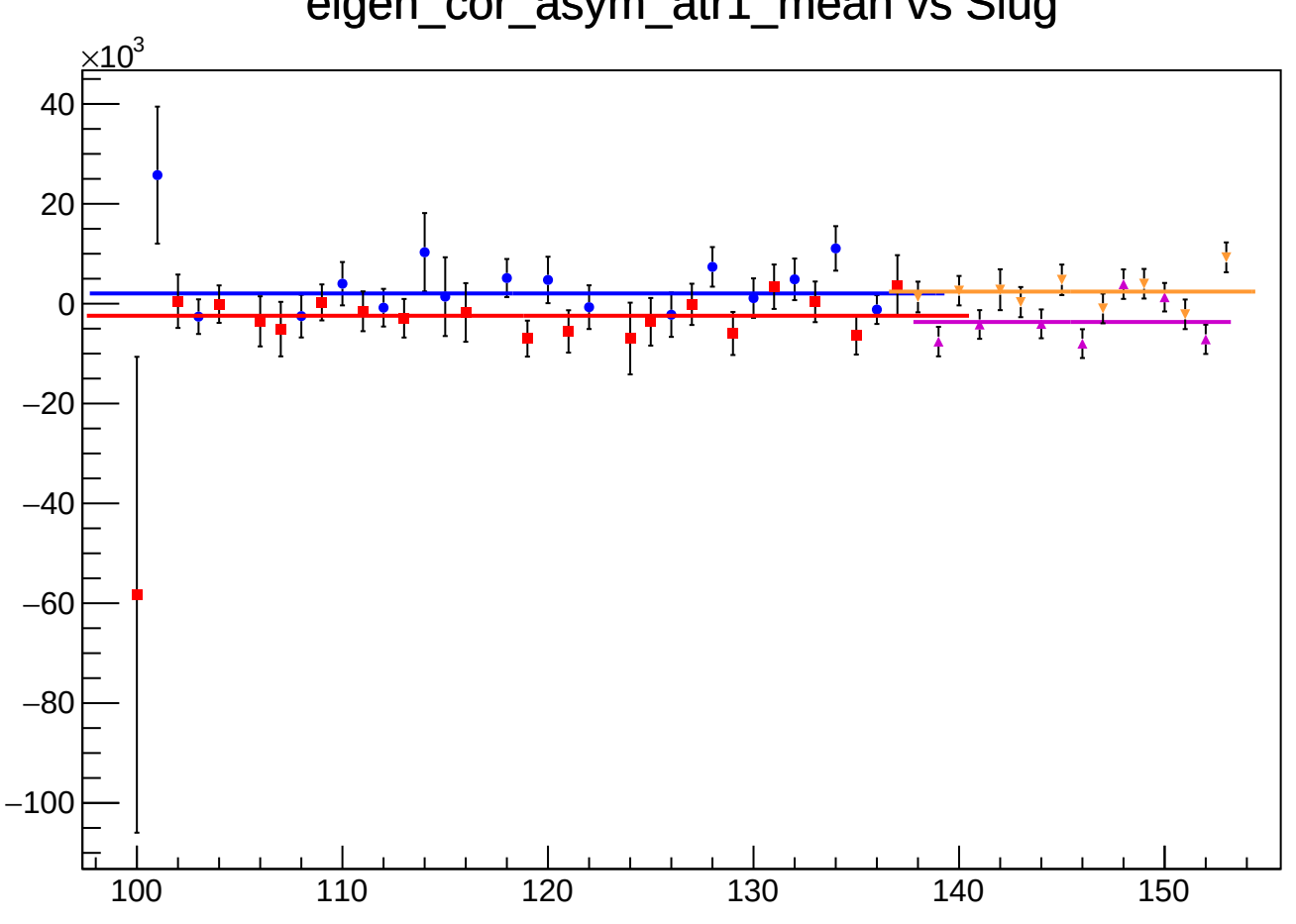
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 803.781+/-0.237 χ^2/NDF:669529.3/6

+ sign 671.030+/-0.134 χ^2/NDF: 3172379.1/24

All: 647.852+/-0.093 χ^2/NDF: 5789627.9/50

- sign 626.612+/-0.128 χ^2/NDF: 2560003.9/25



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2418.947+/-1025.694 χ^2/NDF:10.4/8

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

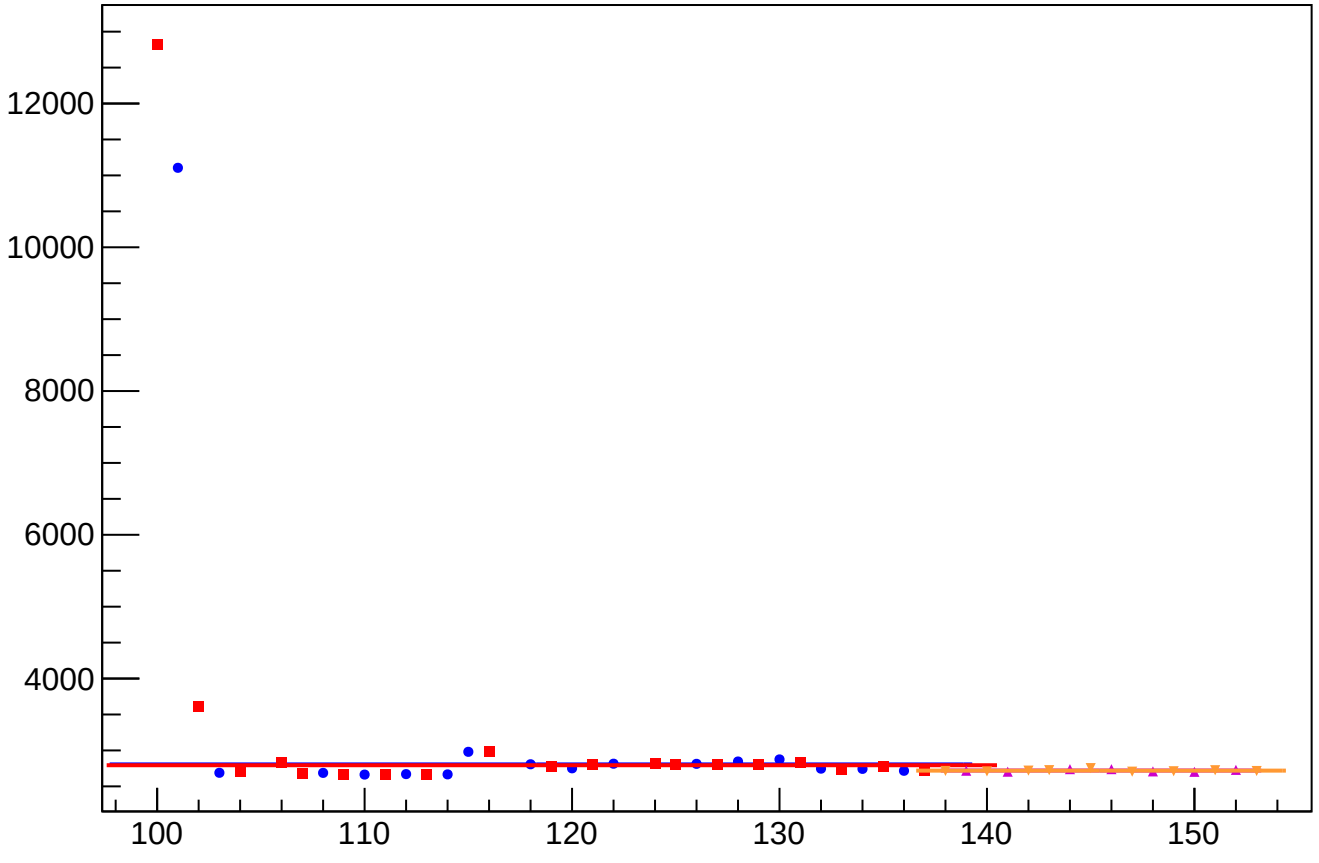
Left In: -3668.690+/-1097.880 χ^2/NDF:15.1/6

+ sign 2241.710+/-740.574 χ^2/NDF: 28.3/24

All: -335.371+/-528.417 χ^2/NDF: 79.5/50

- sign -3008.175+/-754.202 χ^2/NDF: 26.5/25

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.130+/-0.725 χ^2/NDF:377.6/8

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

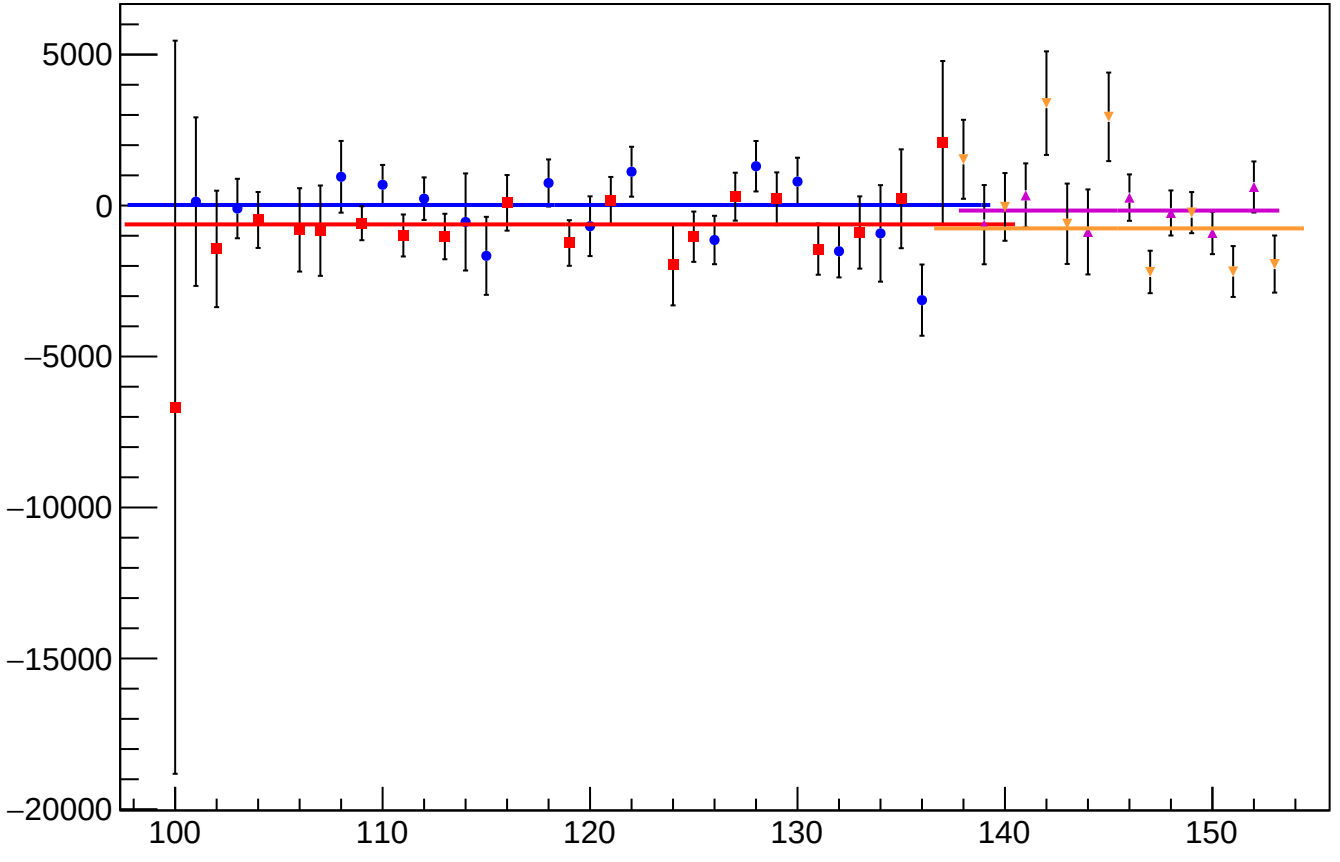
Left In: 2720.310+/-0.776 χ^2/NDF:373.3/6

+ sign 2760.448+/-0.524 χ^2/NDF: 753397.3/24

All: 2759.888+/-0.374 χ^2/NDF: 905295.6/50

- sign 2759.308+/-0.533 χ^2/NDF: 151896.0/25

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -757.196+/-325.203 χ^2/NDF:24.9/8

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

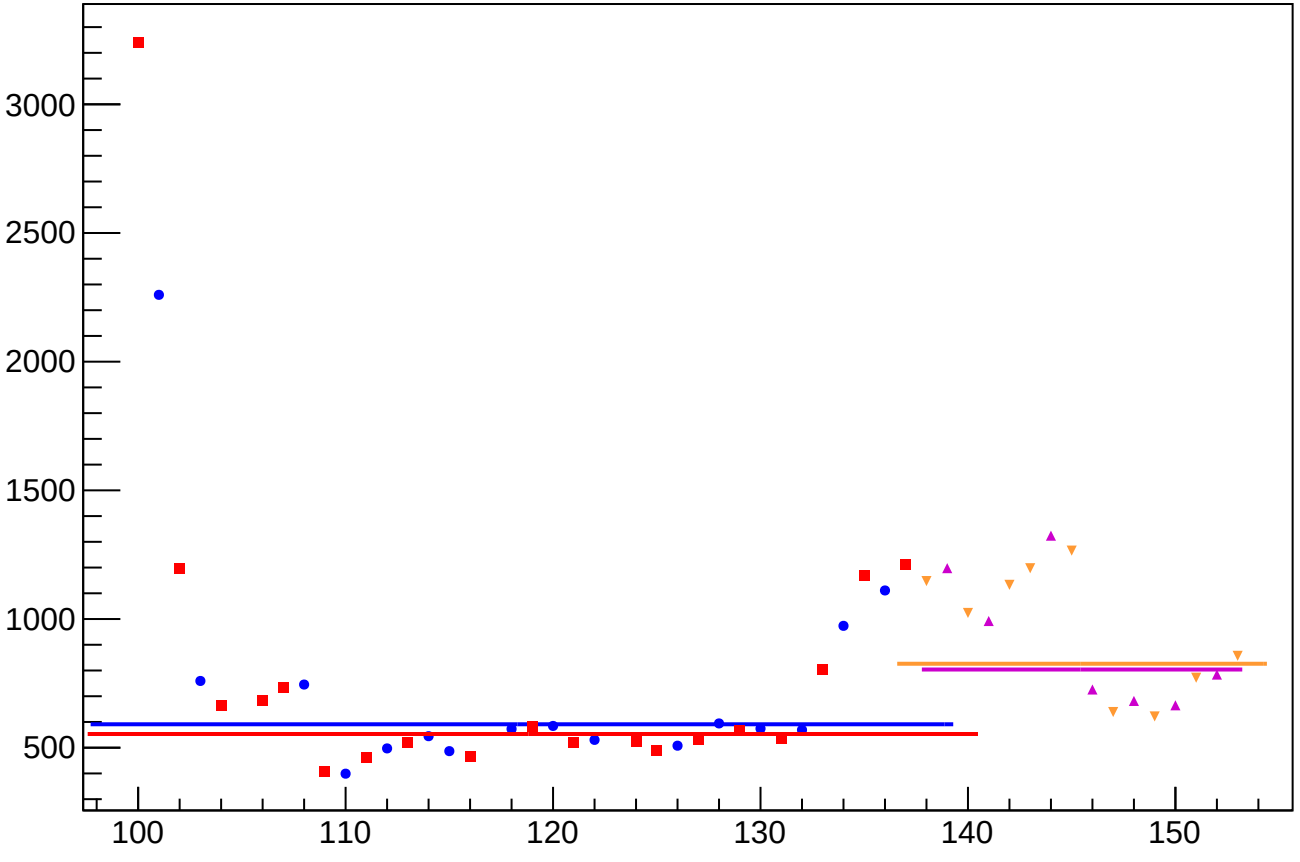
Left In: -166.208+/-335.479 χ^2/NDF:2.9/6

+ sign -245.036+/-189.656 χ^2/NDF: 51.4/24

All: -372.903+/-131.149 χ^2/NDF: 65.6/50

- sign -490.079+/-181.554 χ^2/NDF: 13.3/25

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 826.226+/-0.230 χ^2/NDF:915483.6/8

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

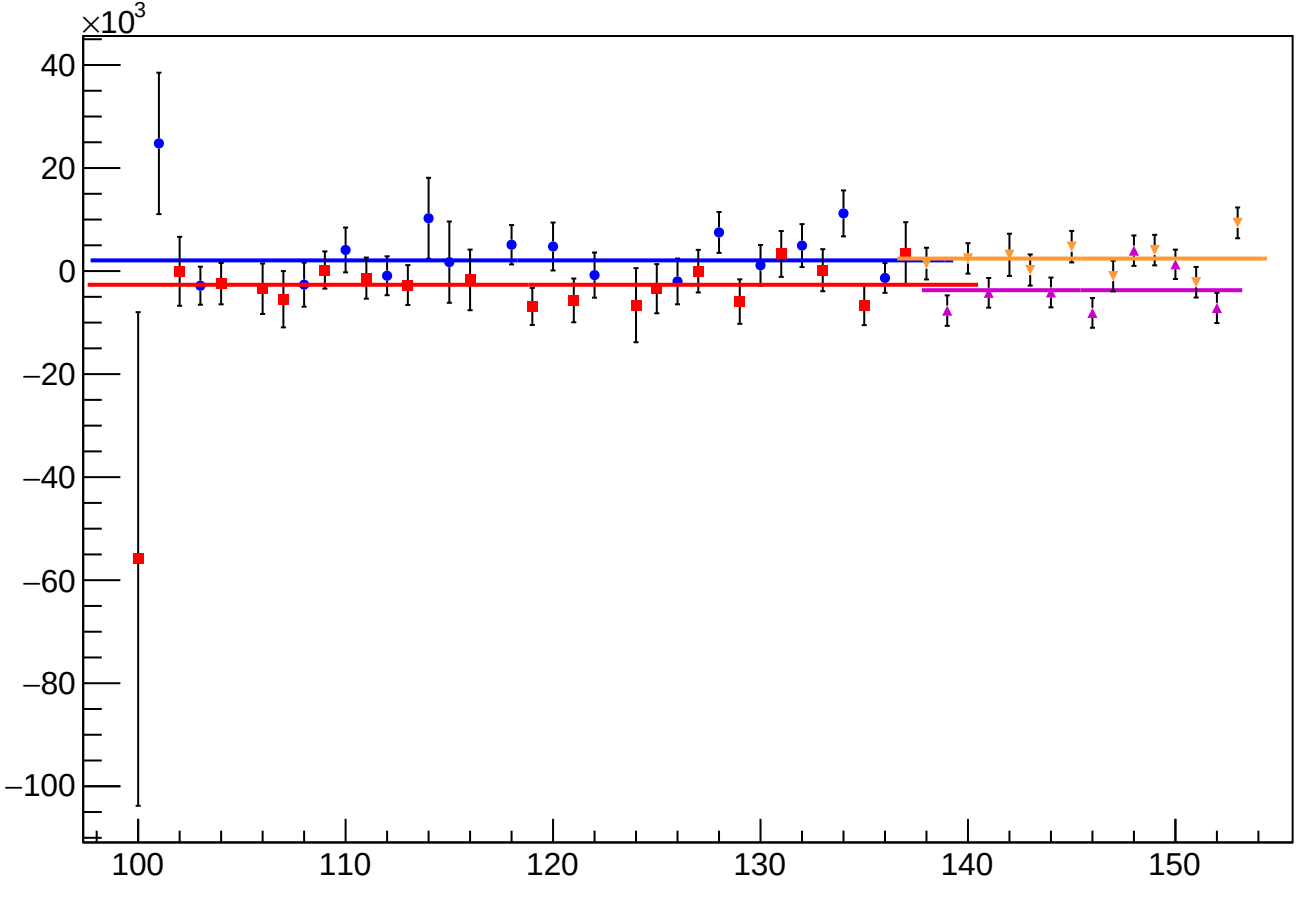
Left In: 803.781+/-0.237 χ^2/NDF:669529.3/6

+ sign 671.030+/-0.134 χ^2/NDF: 3172379.1/24

All: 647.852+/-0.093 χ^2/NDF: 5789627.9/50

- sign 626.612+/-0.128 χ^2/NDF: 2560003.9/25

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2430.673+/-1026.431 χ^2/NDF:10.6/8

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

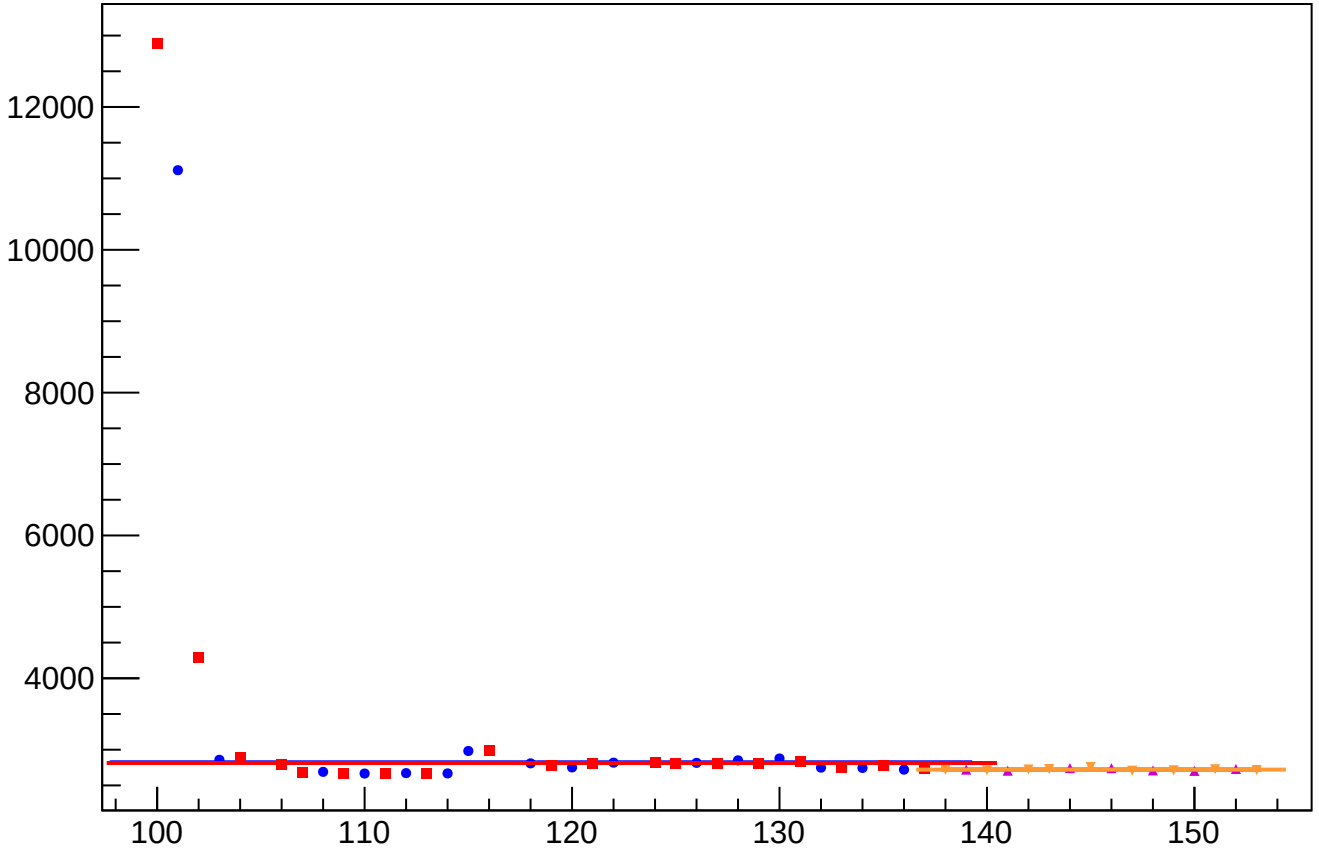
Left In: -3711.653+/-1098.638 χ^2/NDF:15.4/6

+ sign 2261.301+/-743.090 χ^2/NDF: 28.6/24

All: -392.120+/-530.988 χ^2/NDF: 80.4/50

- sign -3160.556+/-759.025 χ^2/NDF: 25.8/25

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.078+/-0.726 χ^2/NDF:395.2/8

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

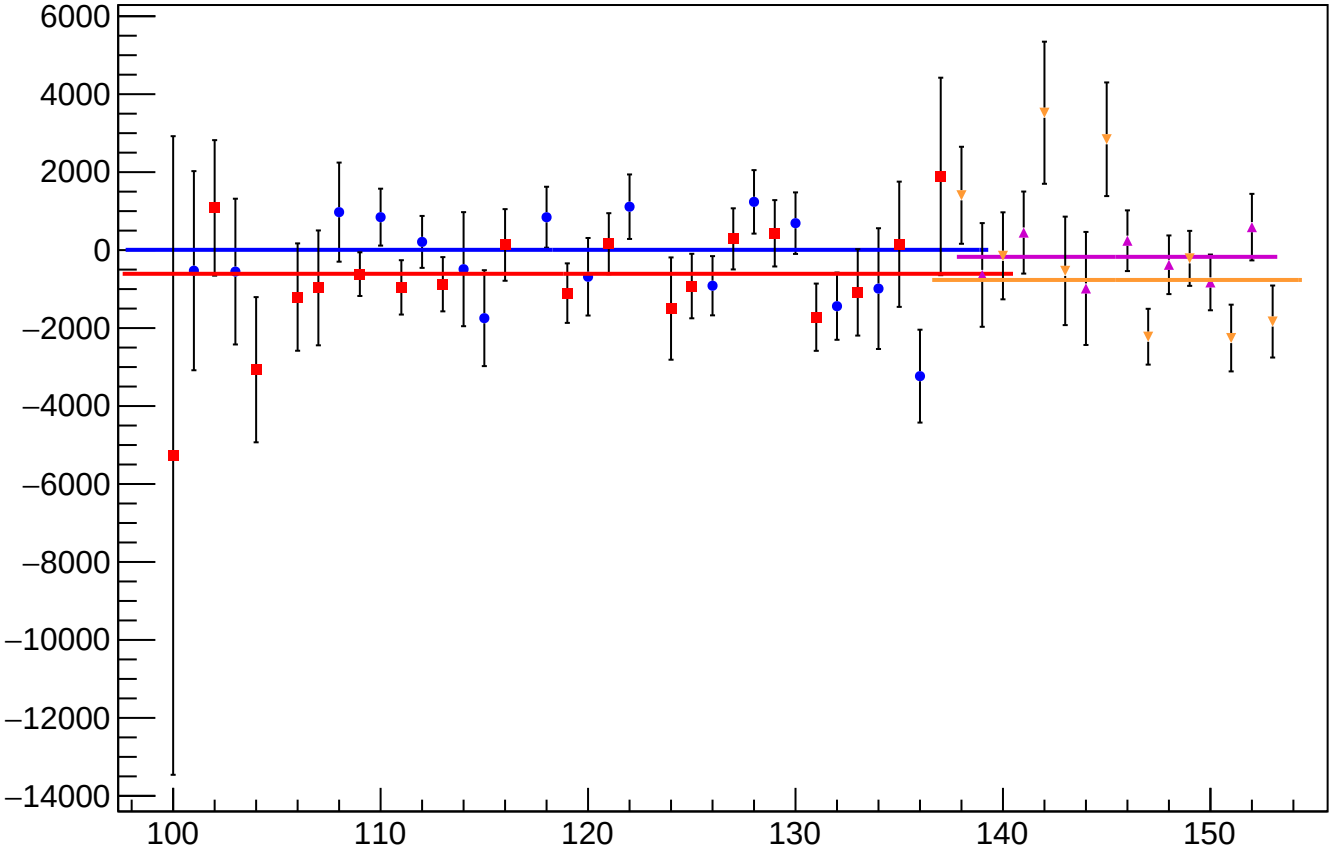
Left In: 2722.169+/-0.777 χ^2/NDF:387.7/6

+ sign 2769.795+/-0.525 χ^2/NDF: 753778.5/24

All: 2769.932+/-0.375 χ^2/NDF: 961953.6/50

- sign 2770.075+/-0.537 χ^2/NDF: 208174.9/25

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -765.639+/-329.044 χ^2/NDF:24.2/8

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

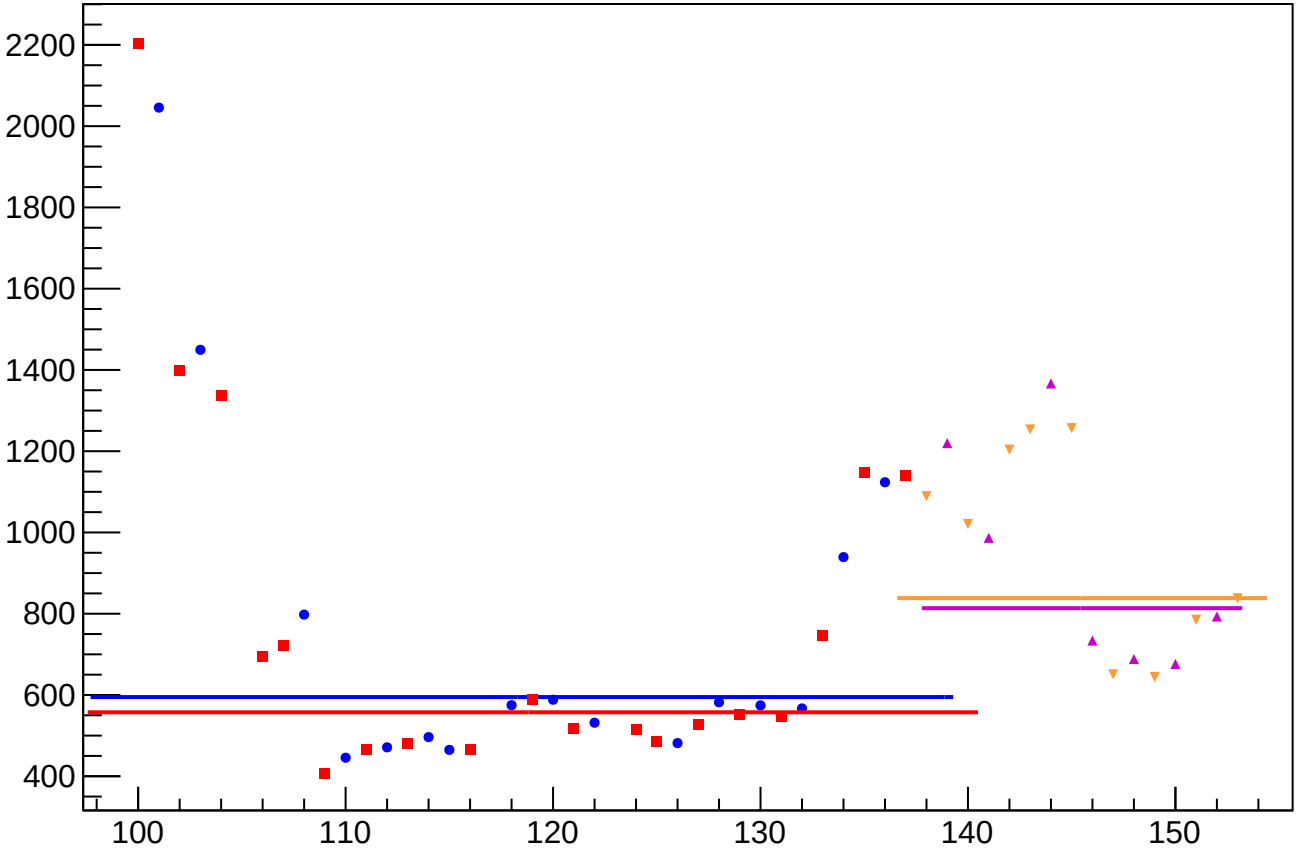
Left In: -172.774+/-339.220 χ^2/NDF:2.8/6

\+ sign -257.553+/-192.552 χ^2/NDF: 50.6/24

All: -375.197+/-132.593 χ^2/NDF: 67.4/50

\- sign -481.288+/-182.853 χ^2/NDF: 16.1/25

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 838.460+/-0.233 χ^2/NDF:854311.3/8

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

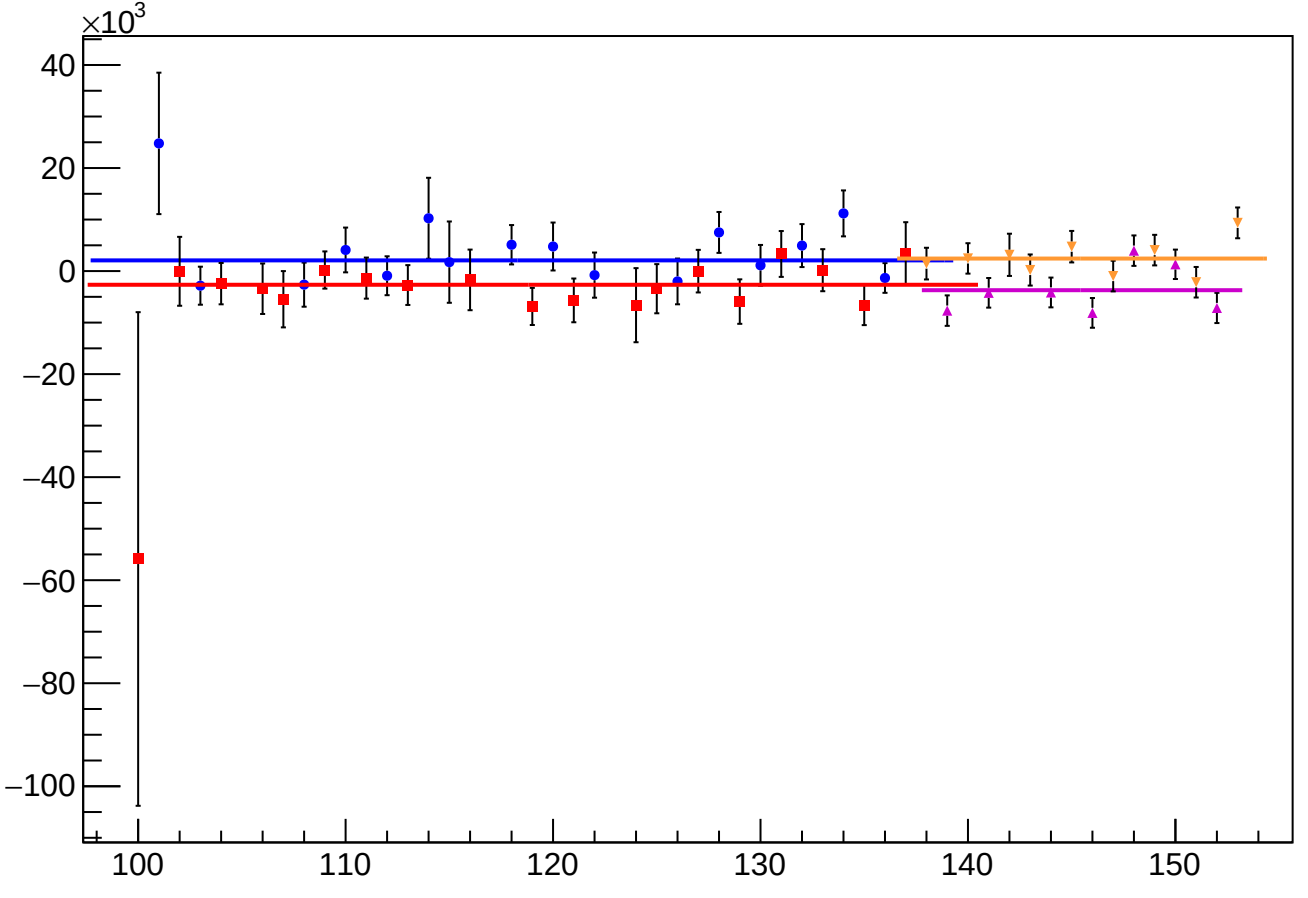
Left In: 813.670+/-0.240 χ^2/NDF:682851.5/6

+ sign 678.278+/-0.136 χ^2/NDF: 3427771.7/24

All: 653.871+/-0.094 χ^2/NDF: 6612857.7/50

- sign 631.861+/-0.129 χ^2/NDF: 3123975.5/25

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2430.674+/-1026.431 χ^2/NDF:10.6/8

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

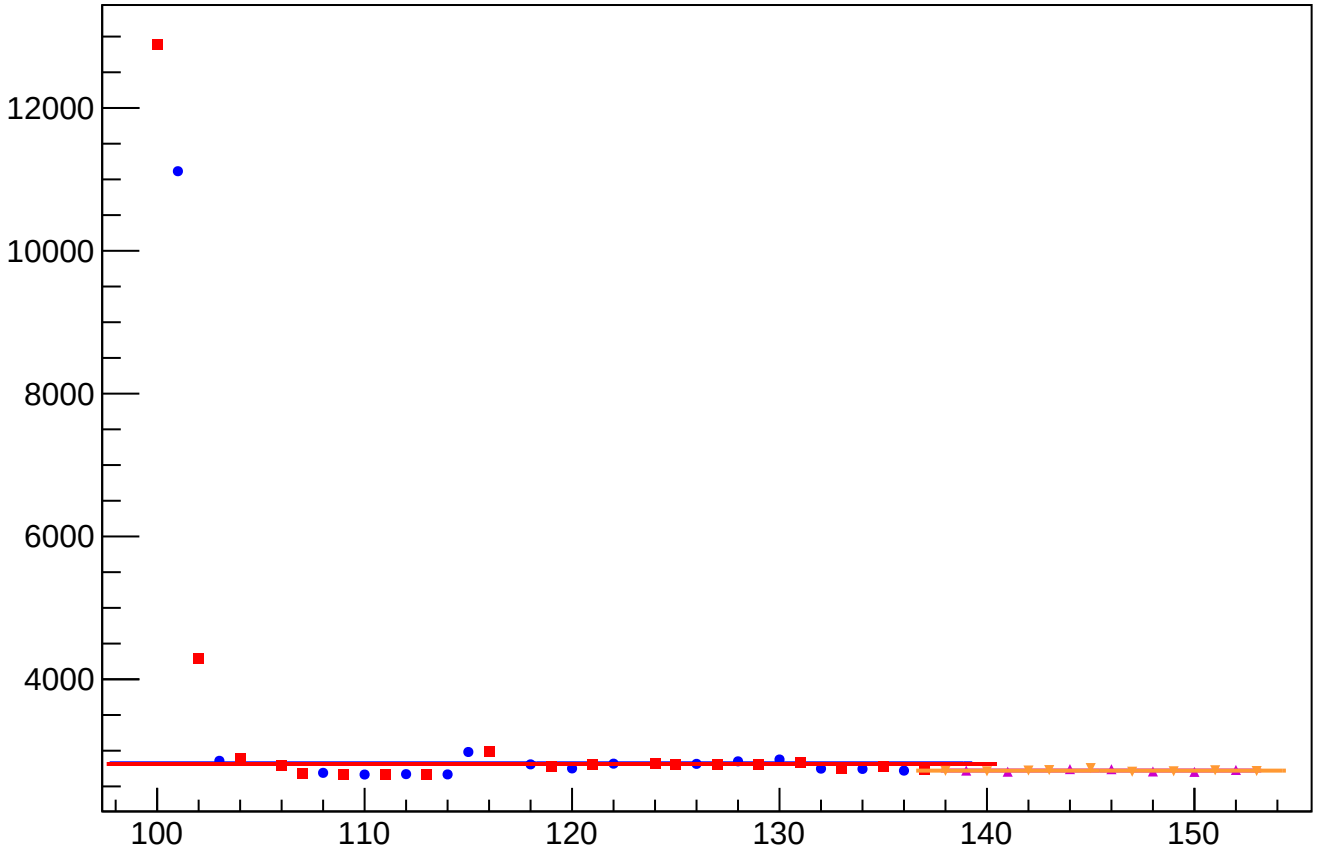
Left In: -3711.654+/-1098.638 χ^2/NDF:15.4/6

+ sign 2261.301+/-743.090 χ^2/NDF: 28.6/24

All: -392.120+/-530.988 χ^2/NDF: 80.4/50

- sign -3160.556+/-759.025 χ^2/NDF: 25.8/25

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.078+/-0.726 χ^2/NDF:395.2/8

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

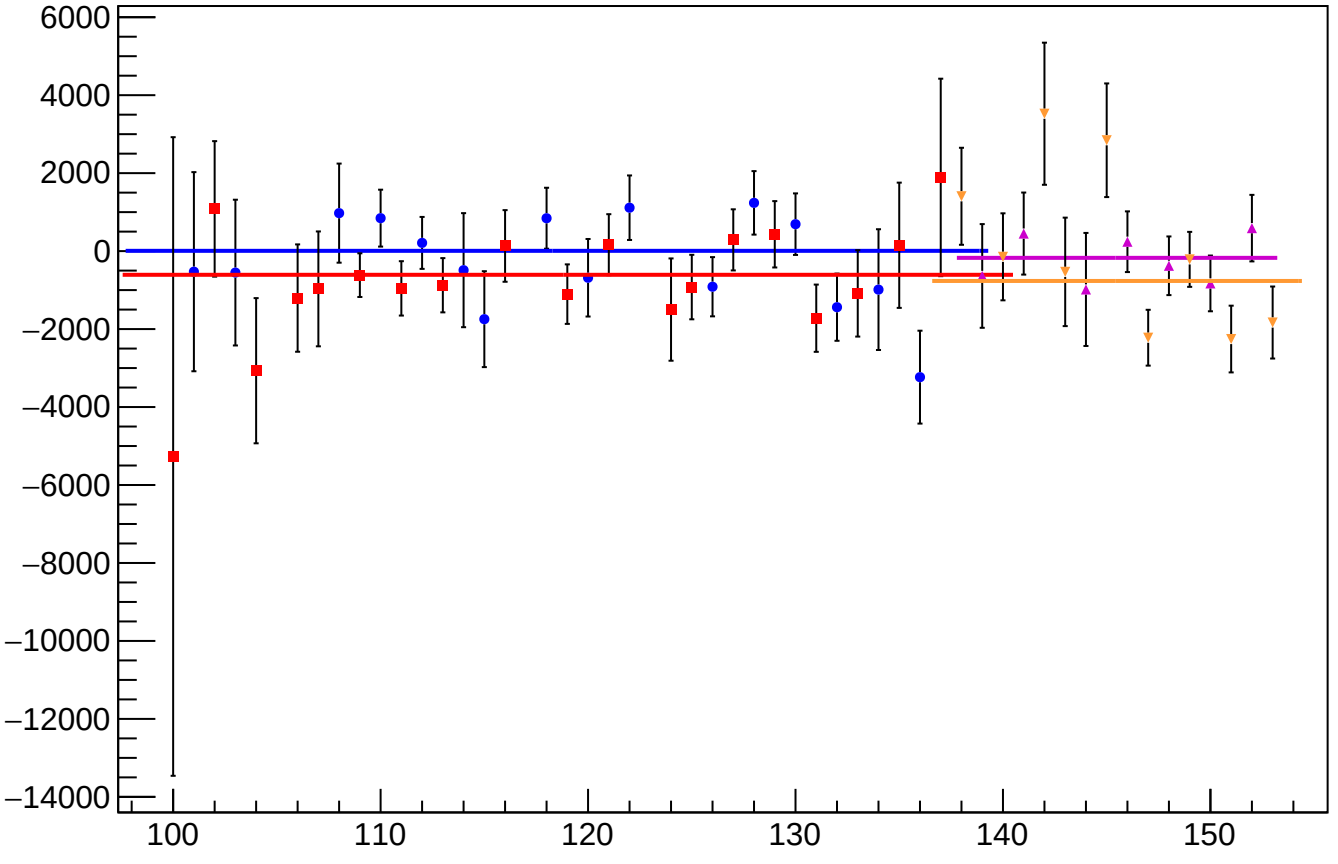
Left In: 2722.169+/-0.777 χ^2/NDF:387.7/6

+ sign 2769.795+/-0.525 χ^2/NDF: 753778.5/24

All: 2769.932+/-0.375 χ^2/NDF: 961953.3/50

- sign 2770.075+/-0.537 χ^2/NDF: 208174.6/25

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -765.640+/-329.044 χ^2/NDF:24.2/8

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

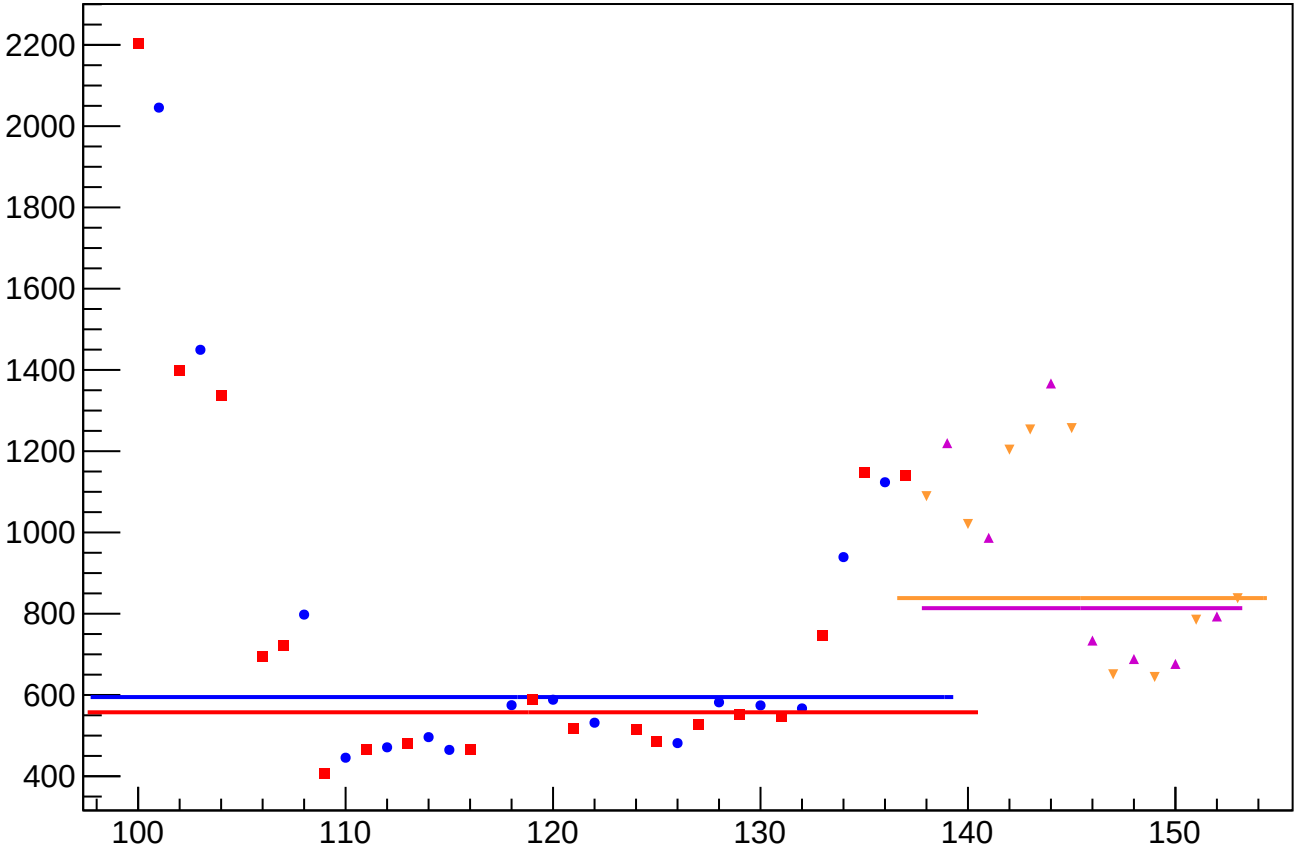
Left In: -172.775+/-339.221 χ^2/NDF:2.8/6

\+ sign -257.553+/-192.552 χ^2/NDF: 50.6/24

All: -375.197+/-132.593 χ^2/NDF: 67.4/50

\- sign -481.288+/-182.854 χ^2/NDF: 16.1/25

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 838.460+/-0.233 χ^2/NDF:854312.2/8

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

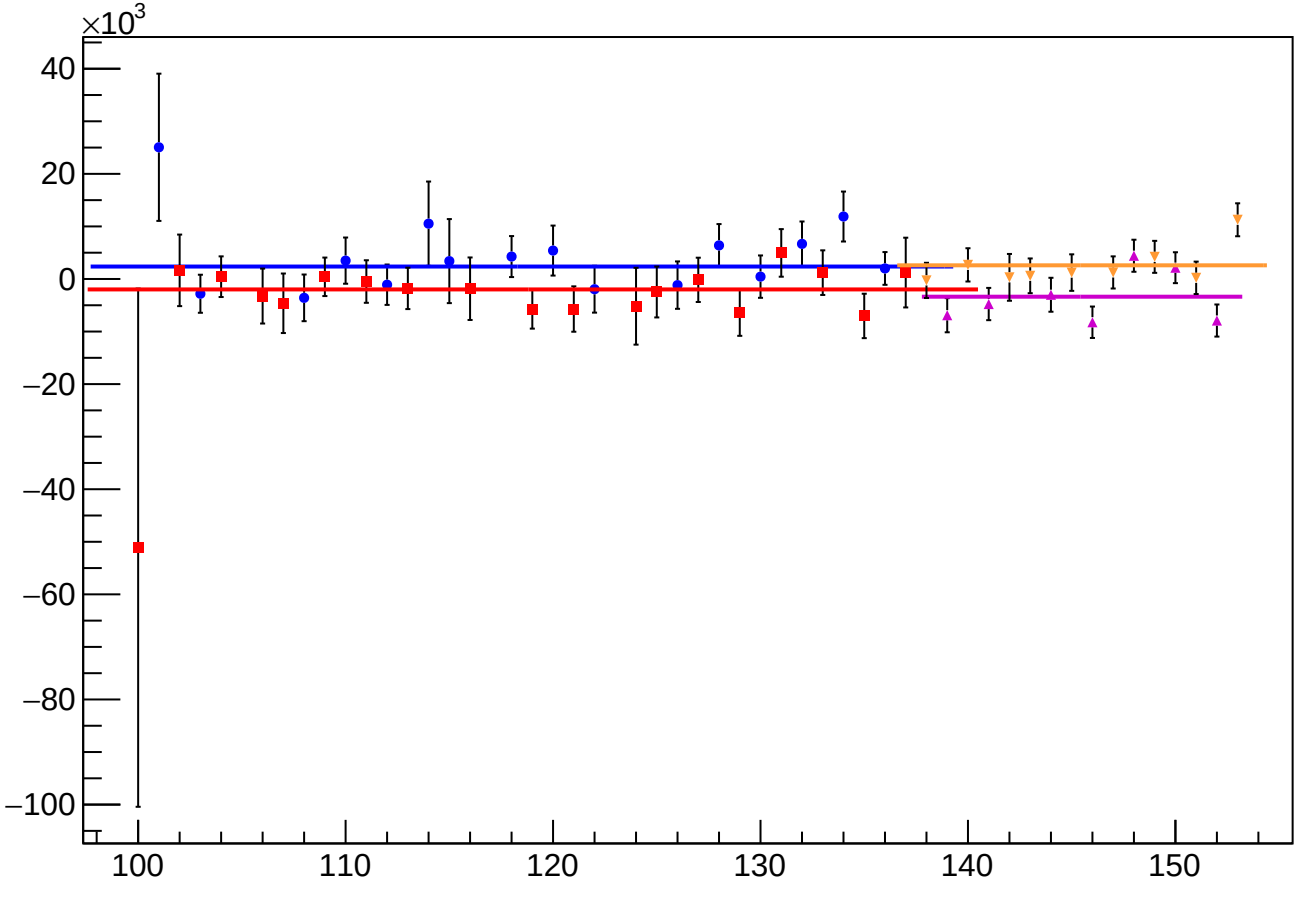
Left In: 813.671+/-0.240 χ^2/NDF:682851.6/6

+ sign 678.278+/-0.136 χ^2/NDF: 3427766.0/24

All: 653.871+/-0.094 χ^2/NDF: 6612851.3/50

- sign 631.861+/-0.129 χ^2/NDF: 3123974.3/25

asym_atr1_mean vs Slug



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2599.760+/-1093.867 χ^2/NDF:10.2/8

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

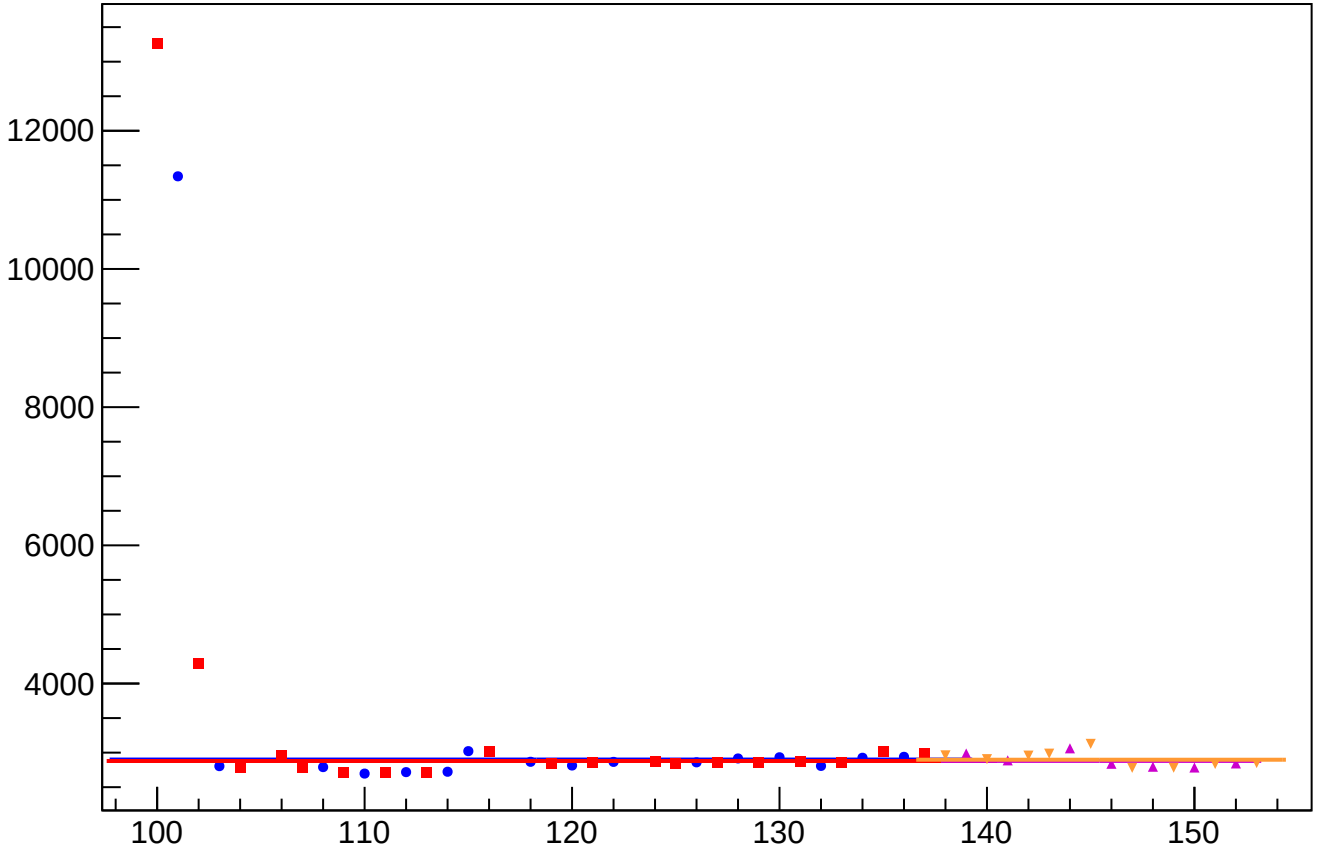
Left In: -3371.154+/-1163.132 χ^2/NDF:16.3/6

+ sign 2484.771+/-777.805 χ^2/NDF: 27.1/24

All: -31.659+/-554.109 χ^2/NDF: 75.7/50

- sign -2624.876+/-789.583 χ^2/NDF: 27.4/25

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2897.276+/-0.773 χ^2/NDF:18319.4/8

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

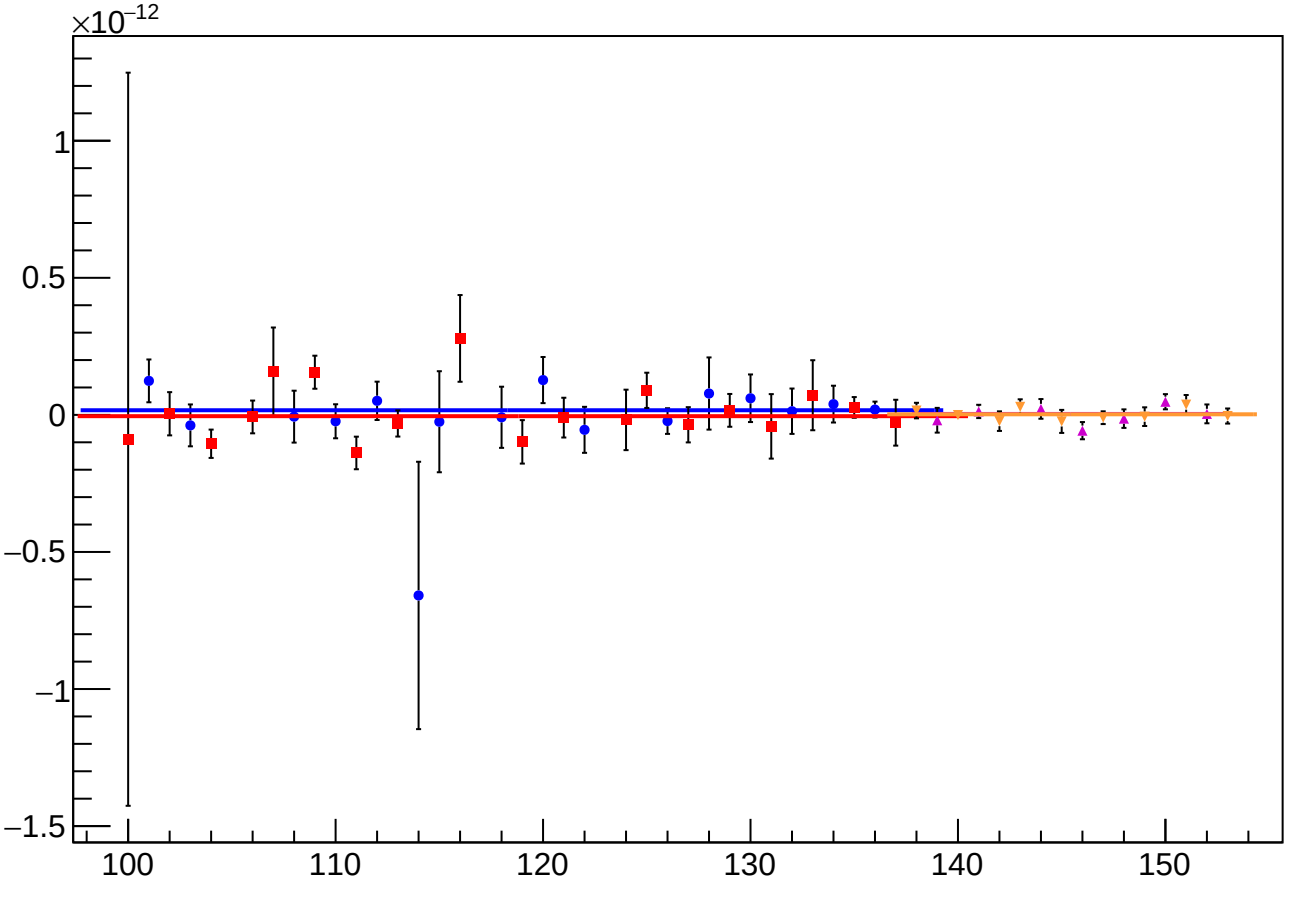
Left In: 2880.087+/-0.822 χ^2/NDF:12864.3/6

+ sign 2898.537+/-0.550 χ^2/NDF: 760143.0/24

All: 2889.151+/-0.392 χ^2/NDF: 966882.2/50

- sign 2879.478+/-0.558 χ^2/NDF: 206147.7/25

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/8

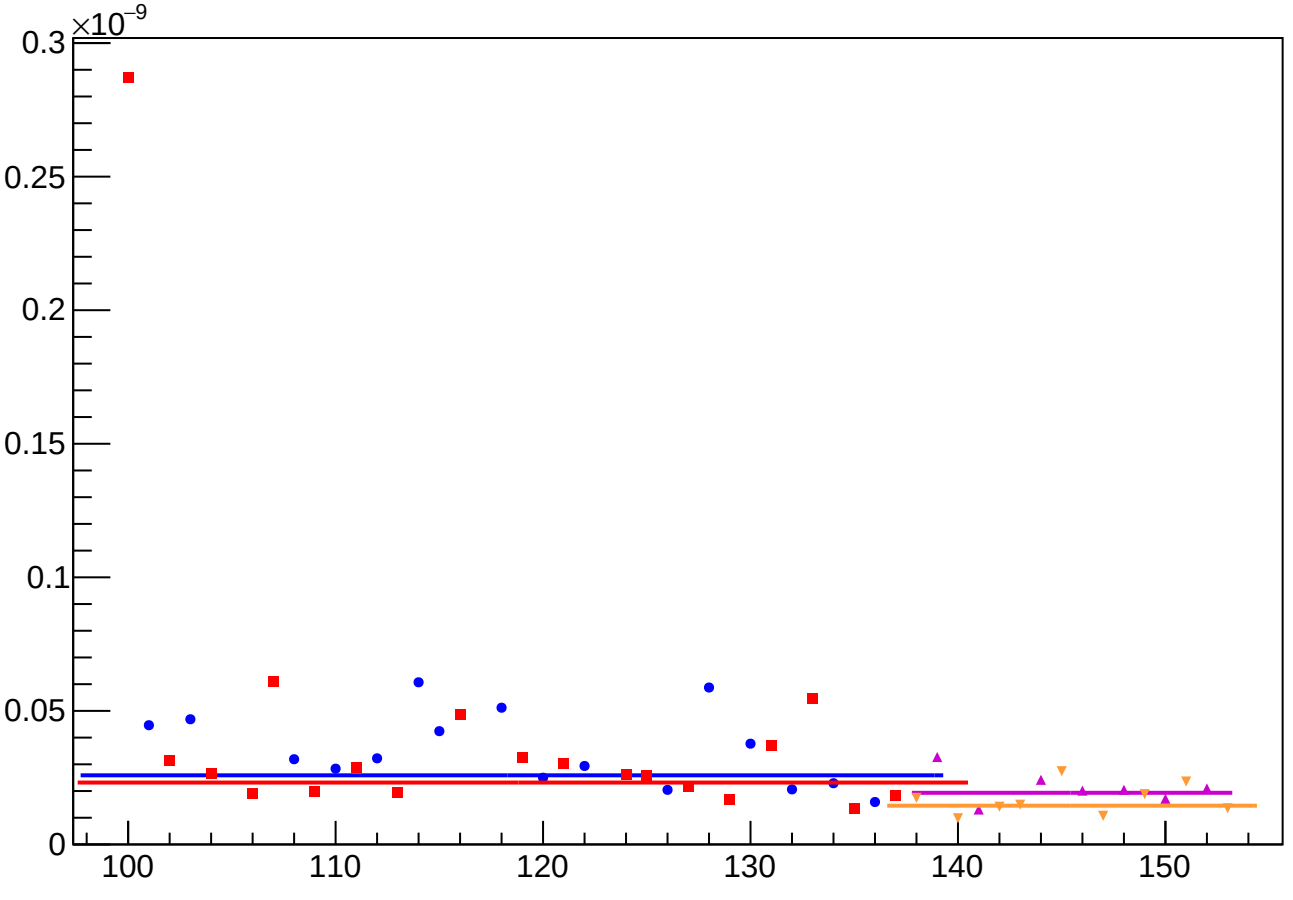
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 13.0/24

All: 0.000+/-0.000 χ^2/NDF: 46.3/50

- sign 0.000+/-0.000 χ^2/NDF: 33.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:561418.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

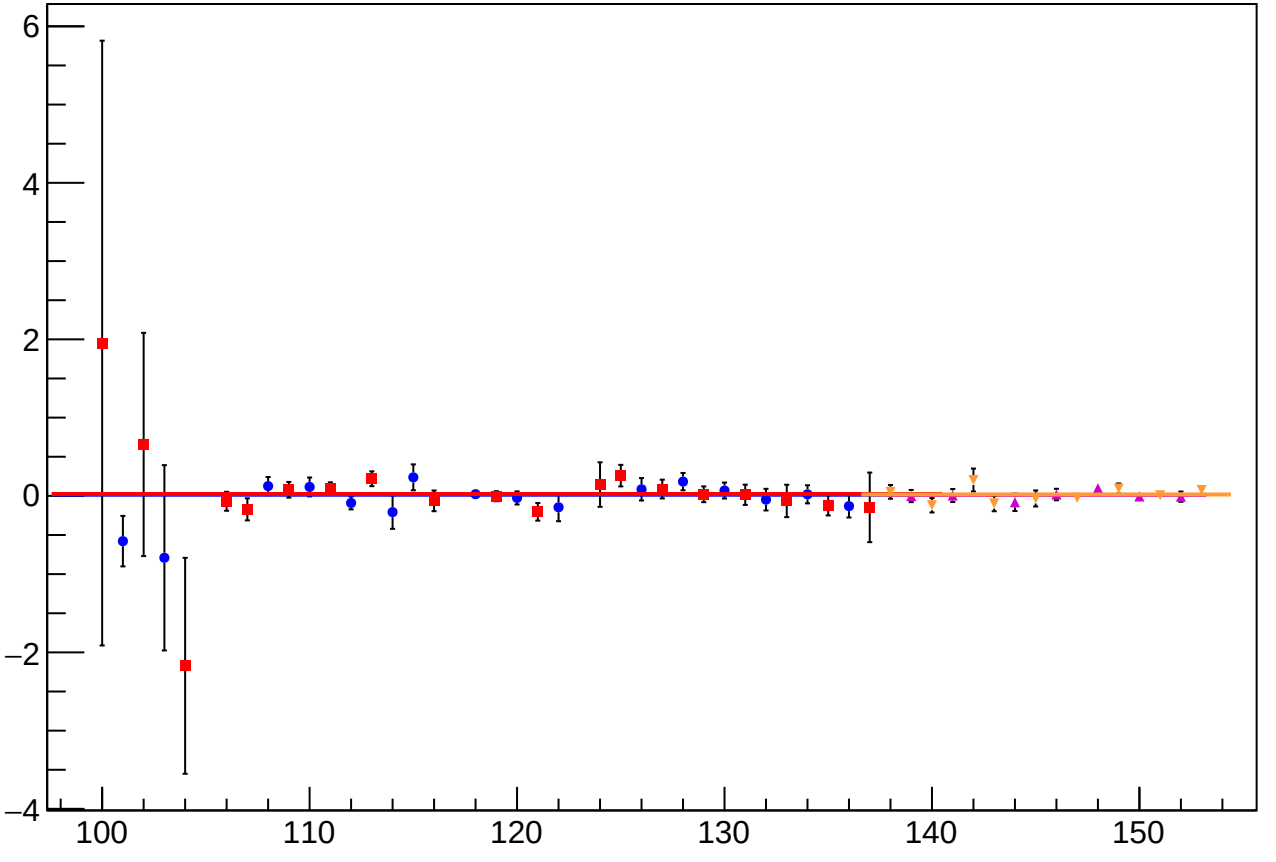
Left In: 0.000+/-0.000 χ^2/NDF:367555.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 2125410.9/24

All: 0.000+/-0.000 χ^2/NDF: 3424274.1/50

- sign 0.000+/-0.000 χ^2/NDF: 1132118.2/25

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.025 χ^2/NDF:8.5/8

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

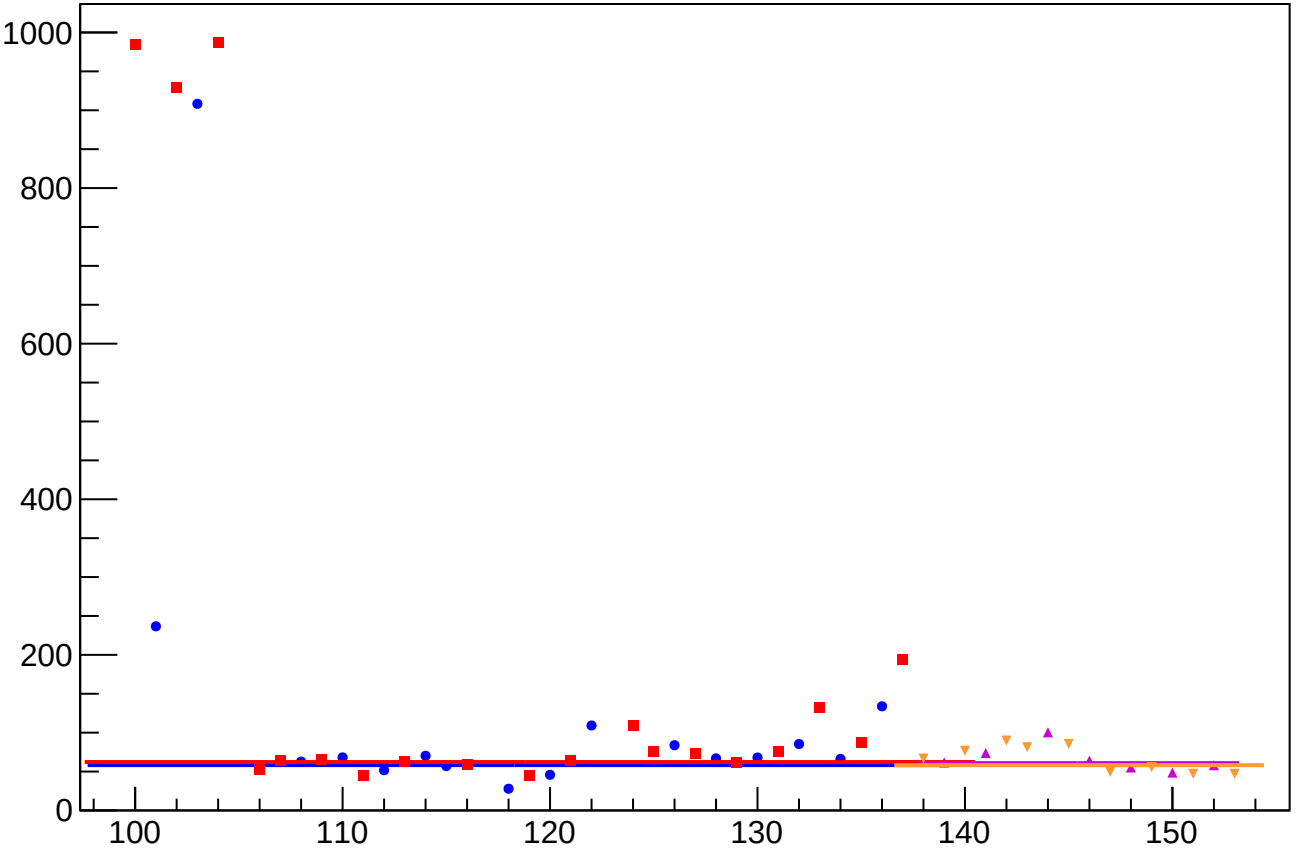
Left In: 0.012+/-0.027 χ^2/NDF:2.8/6

+ sign 0.016+/-0.019 χ^2/NDF: 23.6/24

All: 0.017+/-0.013 χ^2/NDF: 47.2/50

- sign 0.018+/-0.019 χ^2/NDF: 23.7/25

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 58.195+/-0.018 χ^2/NDF:634851.5/8

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

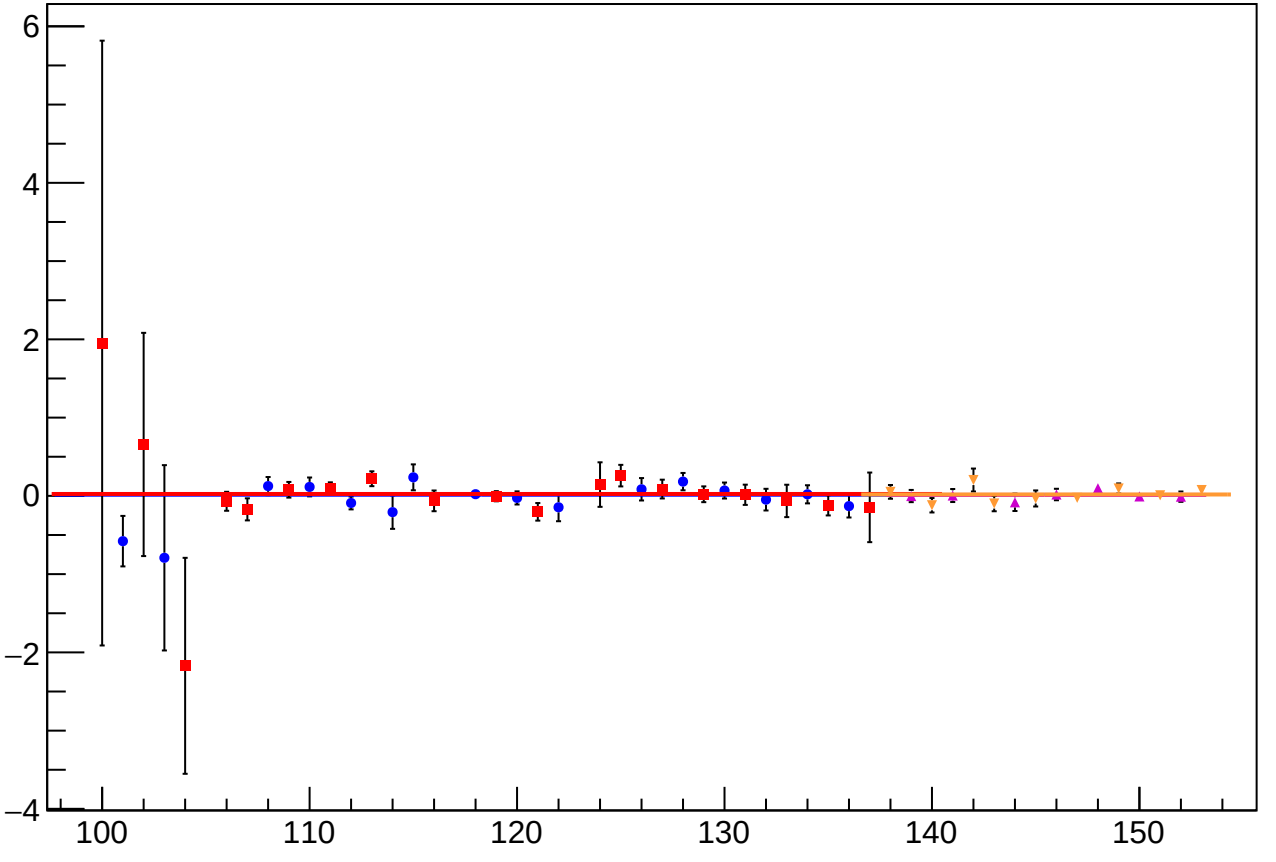
Left In: 60.825+/-0.019 χ^2/NDF:417337.9/6

+ sign 58.247+/-0.013 χ^2/NDF: 3895275.7/24

All: 59.799+/-0.009 χ^2/NDF: 6971624.5/50

- sign 61.505+/-0.014 χ^2/NDF: 3046991.4/25

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.025 χ^2/NDF:8.5/8

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

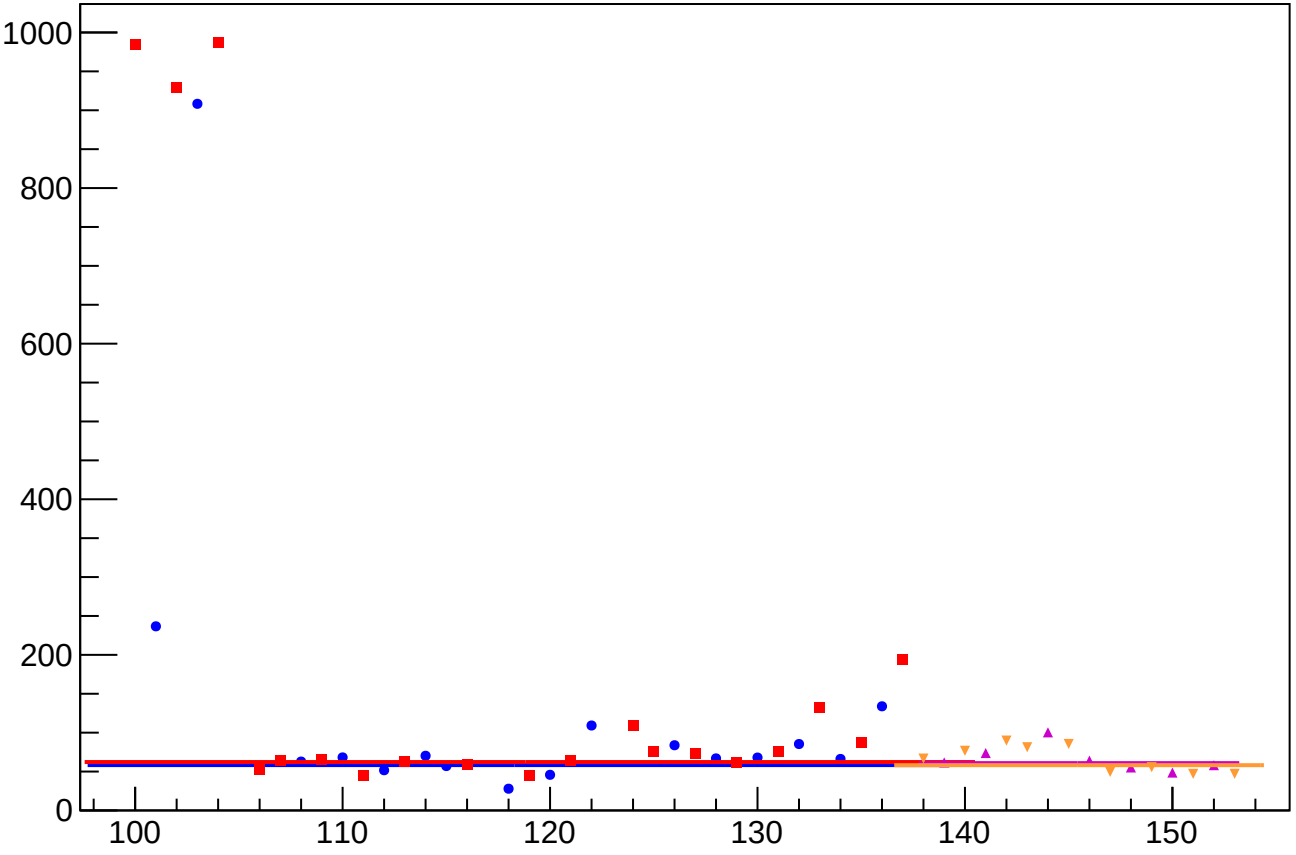
Left In: 0.012+/-0.027 χ^2/NDF:2.8/6

+ sign 0.016+/-0.019 χ^2/NDF: 23.6/24

All: 0.017+/-0.013 χ^2/NDF: 47.2/50

- sign 0.018+/-0.019 χ^2/NDF: 23.7/25

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 58.195+/-0.018 χ^2/NDF:634851.5/8

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

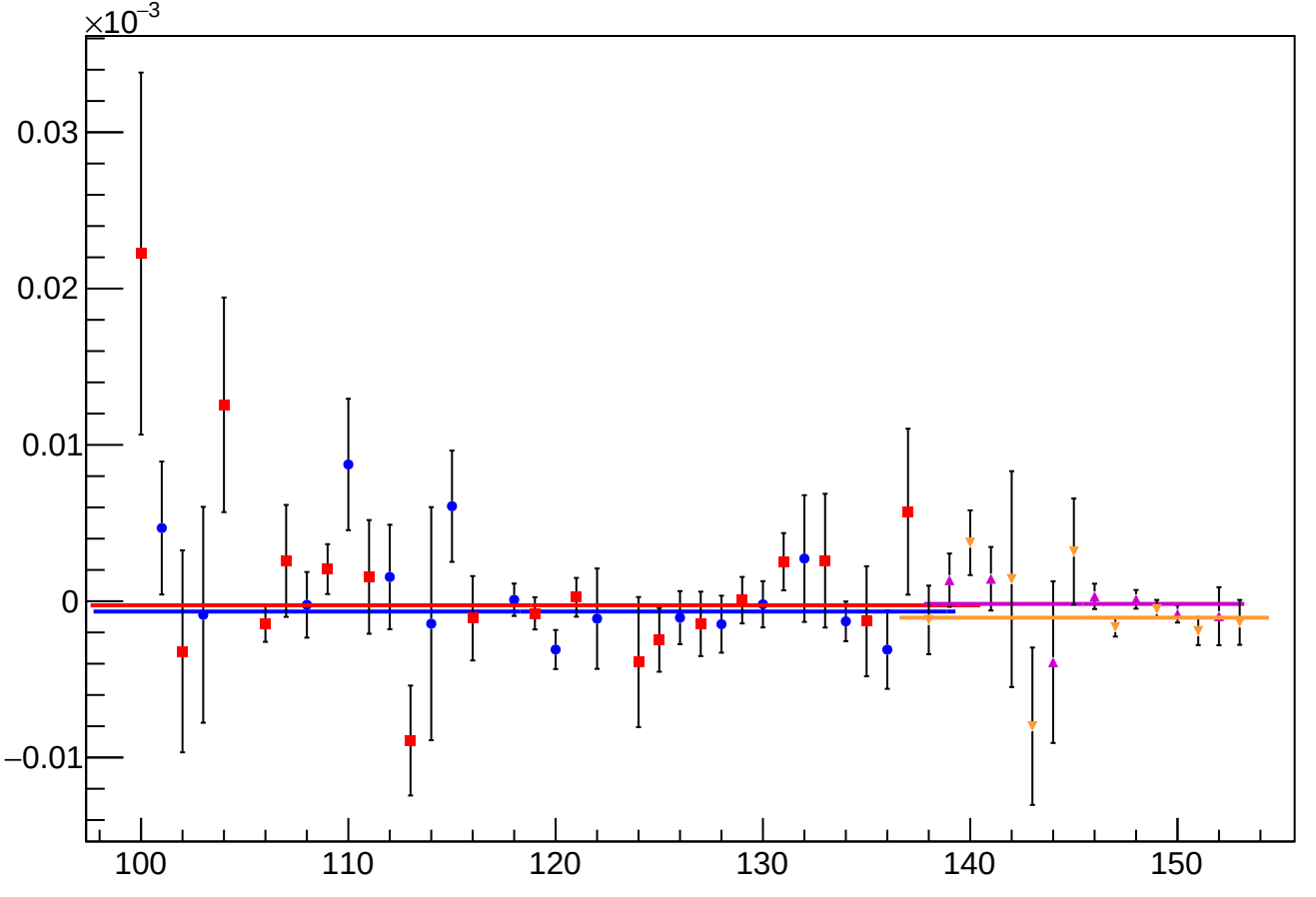
Left In: 60.825+/-0.019 χ^2/NDF:417337.9/6

+ sign 58.247+/-0.013 χ^2/NDF: 3895275.7/24

All: 59.799+/-0.009 χ^2/NDF: 6971624.5/50

- sign 61.505+/-0.014 χ^2/NDF: 3046991.4/25

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

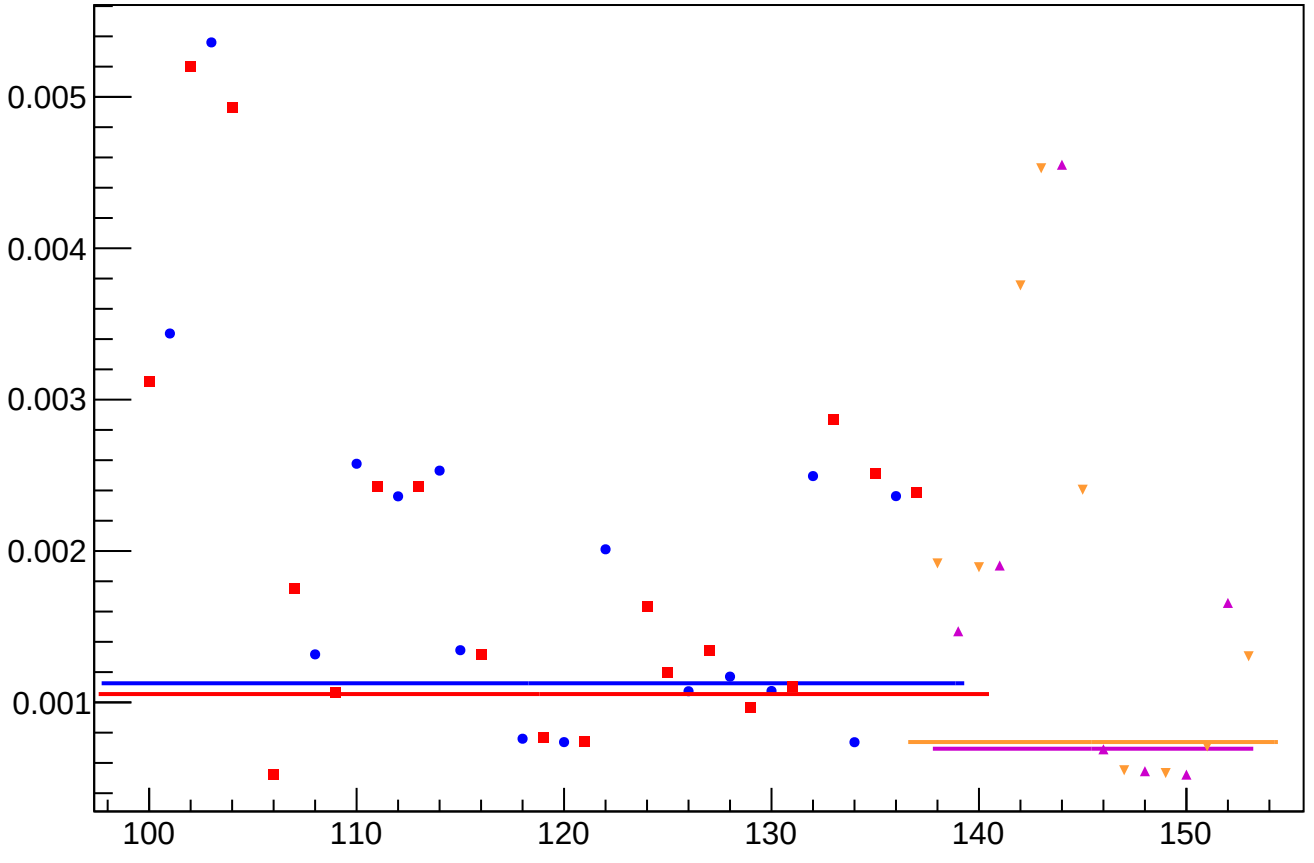
Left In: -0.000+/-0.000 χ^2/NDF:4.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 29.4/24

All: -0.000+/-0.000 χ^2/NDF: 61.3/50

- sign -0.000+/-0.000 χ^2/NDF: 28.7/25

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:3946307.7/8

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

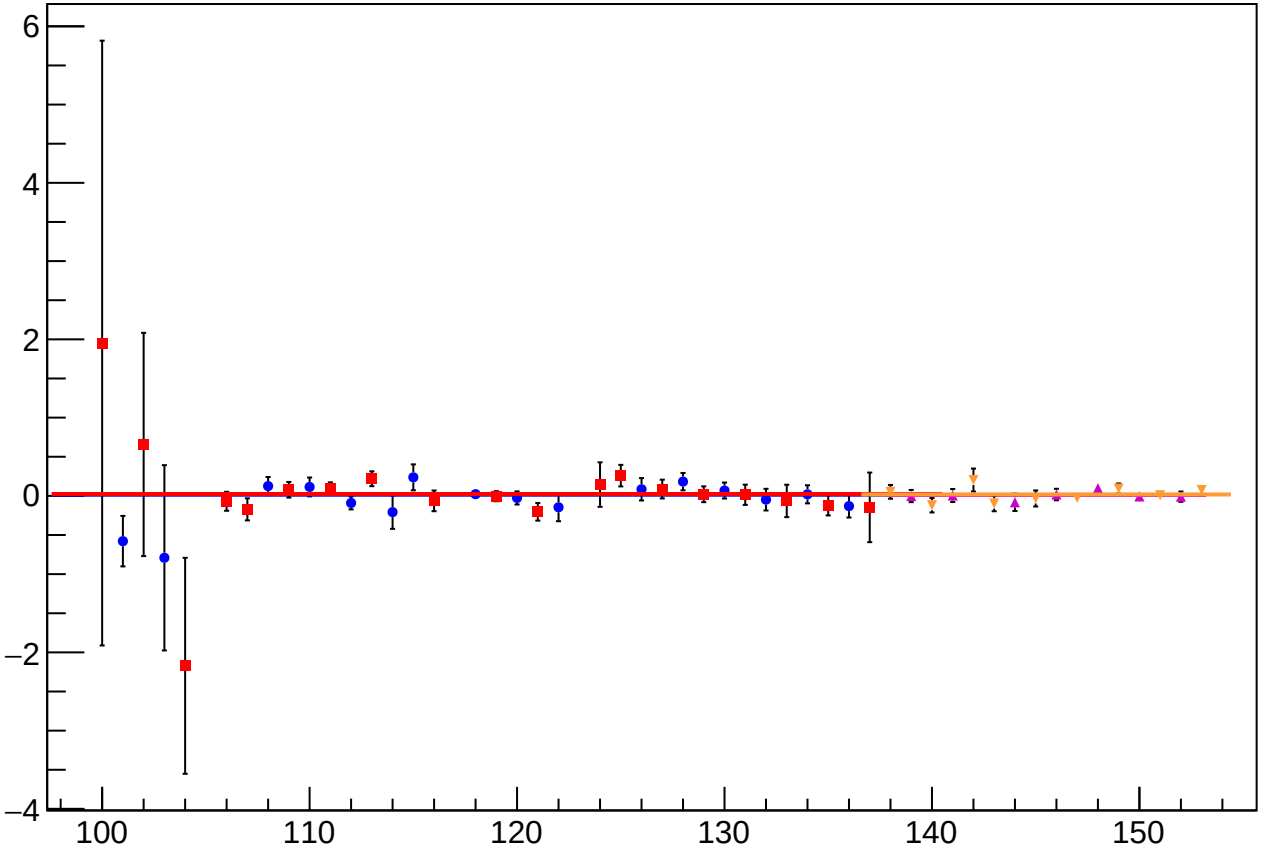
Left In: 0.001+/-0.000 χ^2/NDF:3092125.7/6

+ sign 0.001+/-0.000 χ^2/NDF: 8223633.8/24

All: 0.001+/-0.000 χ^2/NDF: 15979040.7/50

- sign 0.001+/-0.000 χ^2/NDF: 7723390.0/25

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.025 χ^2/NDF:8.5/8

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

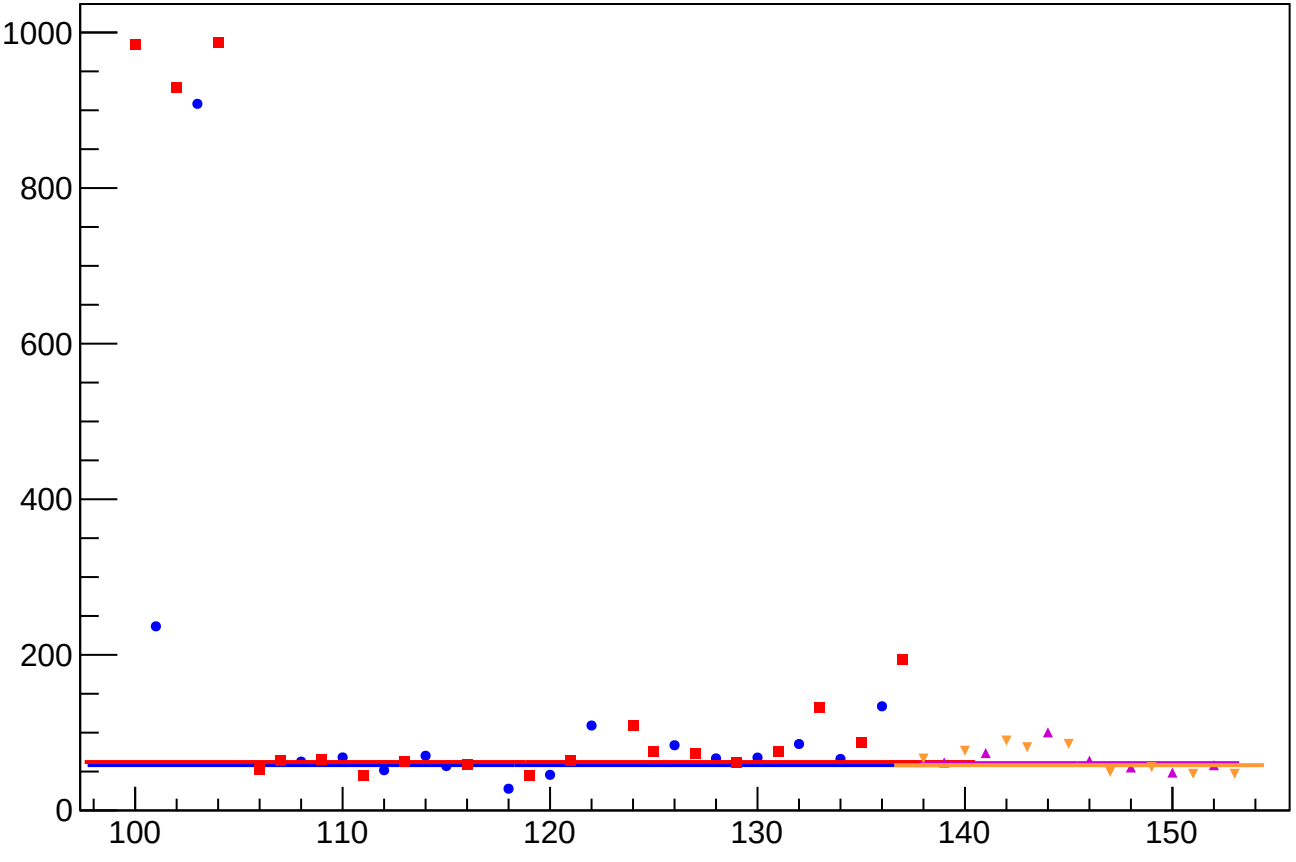
Left In: 0.012+/-0.027 χ^2/NDF:2.8/6

+ sign 0.016+/-0.019 χ^2/NDF: 23.6/24

All: 0.017+/-0.013 χ^2/NDF: 47.2/50

- sign 0.018+/-0.019 χ^2/NDF: 23.7/25

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 58.194+/-0.018 χ^2/NDF:634844.0/8

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

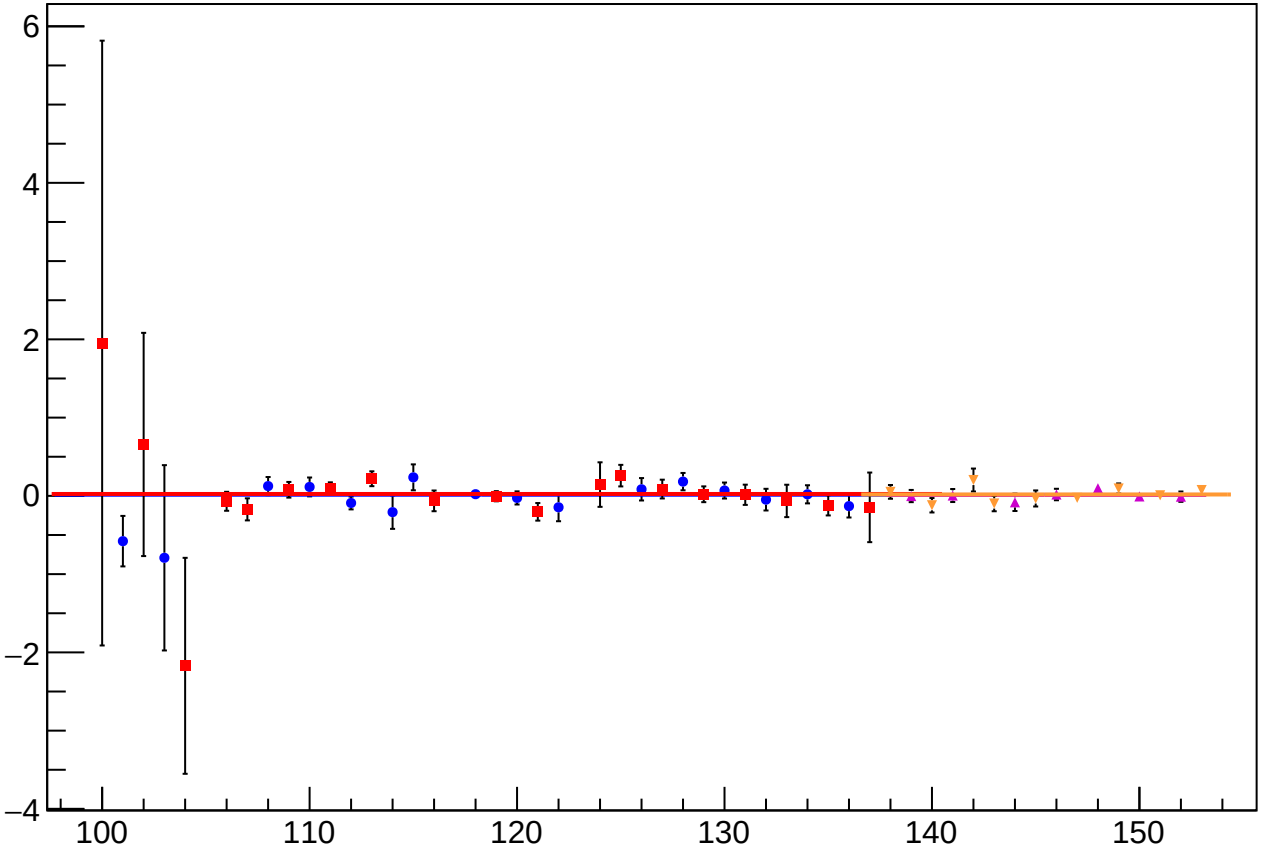
Left In: 60.825+/-0.019 χ^2/NDF:417351.9/6

+ sign 58.247+/-0.013 χ^2/NDF: 3895348.0/24

All: 59.799+/-0.009 χ^2/NDF: 6971711.7/50

- sign 61.505+/-0.014 χ^2/NDF: 3046996.4/25

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.025 χ^2/NDF:8.5/8

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

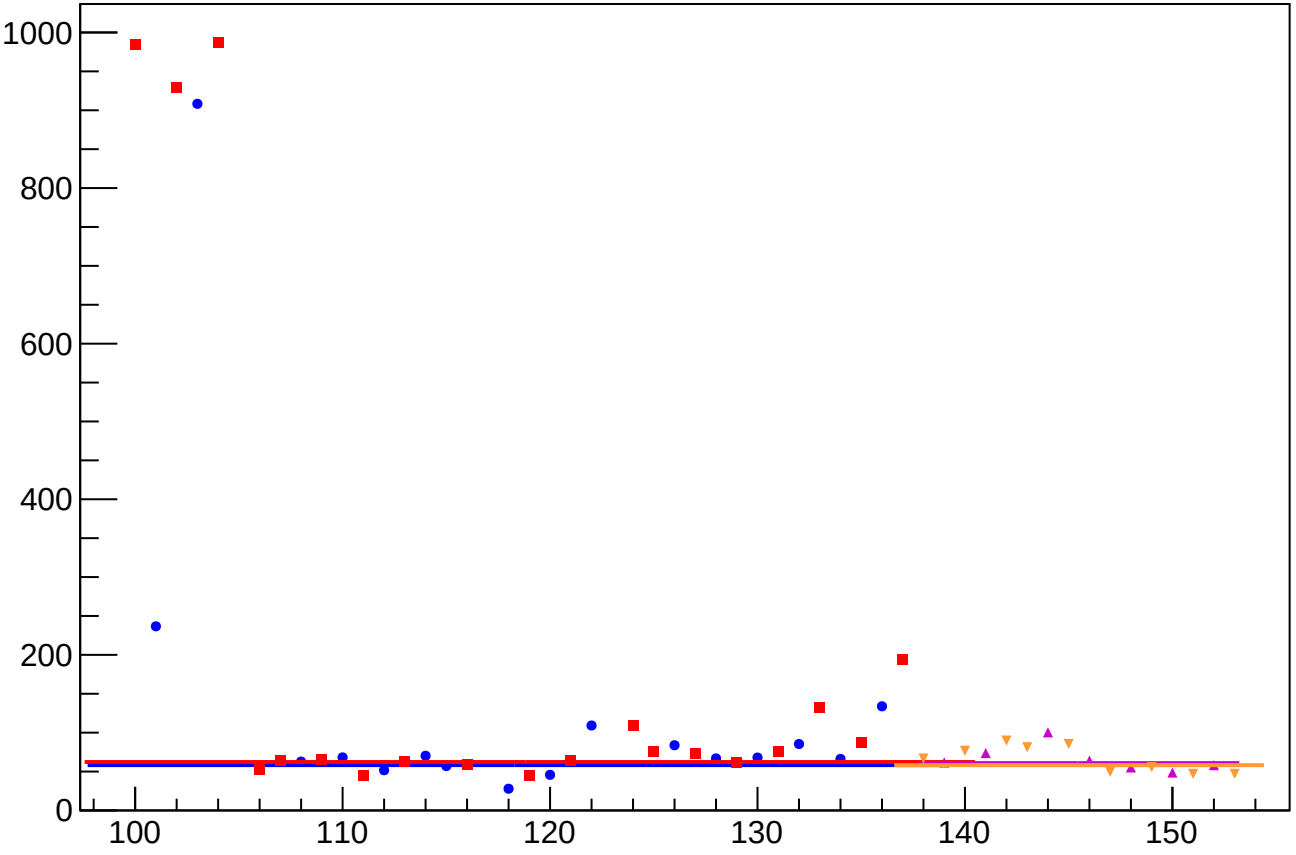
Left In: 0.012+/-0.027 χ^2/NDF:2.8/6

+ sign 0.016+/-0.019 χ^2/NDF: 23.6/24

All: 0.017+/-0.013 χ^2/NDF: 47.2/50

- sign 0.018+/-0.019 χ^2/NDF: 23.7/25

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 58.194+/-0.018 χ^2/NDF:634844.0/8

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

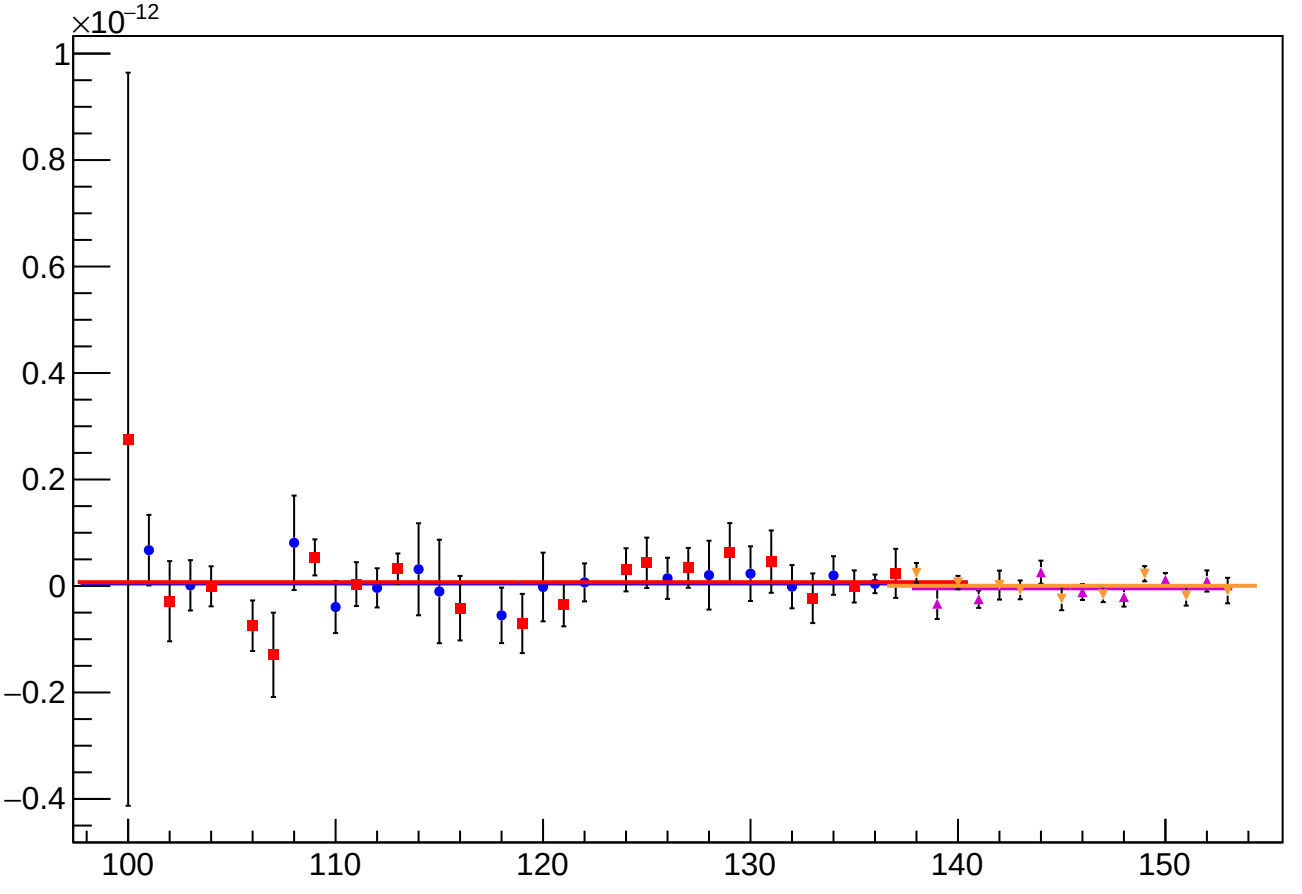
Left In: 60.825+/-0.019 χ^2/NDF:417351.9/6

+ sign 58.247+/-0.013 χ^2/NDF: 3895348.0/24

All: 59.799+/-0.009 χ^2/NDF: 6971711.7/50

- sign 61.505+/-0.014 χ^2/NDF: 3046996.4/25

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/8

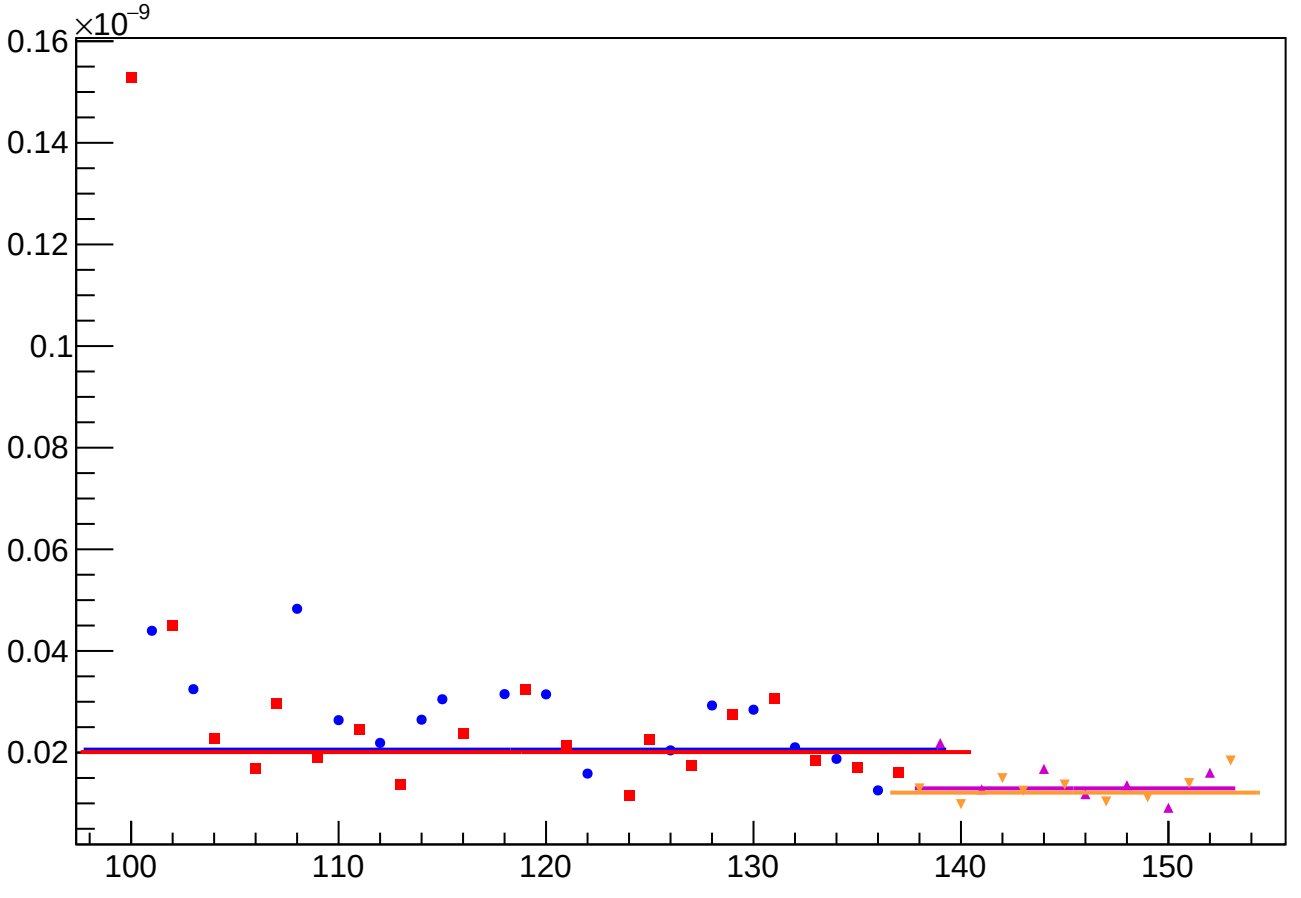
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 12.7/24

All: 0.000+/-0.000 χ^2/NDF: 37.4/50

- sign -0.000+/-0.000 χ^2/NDF: 24.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:298155.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

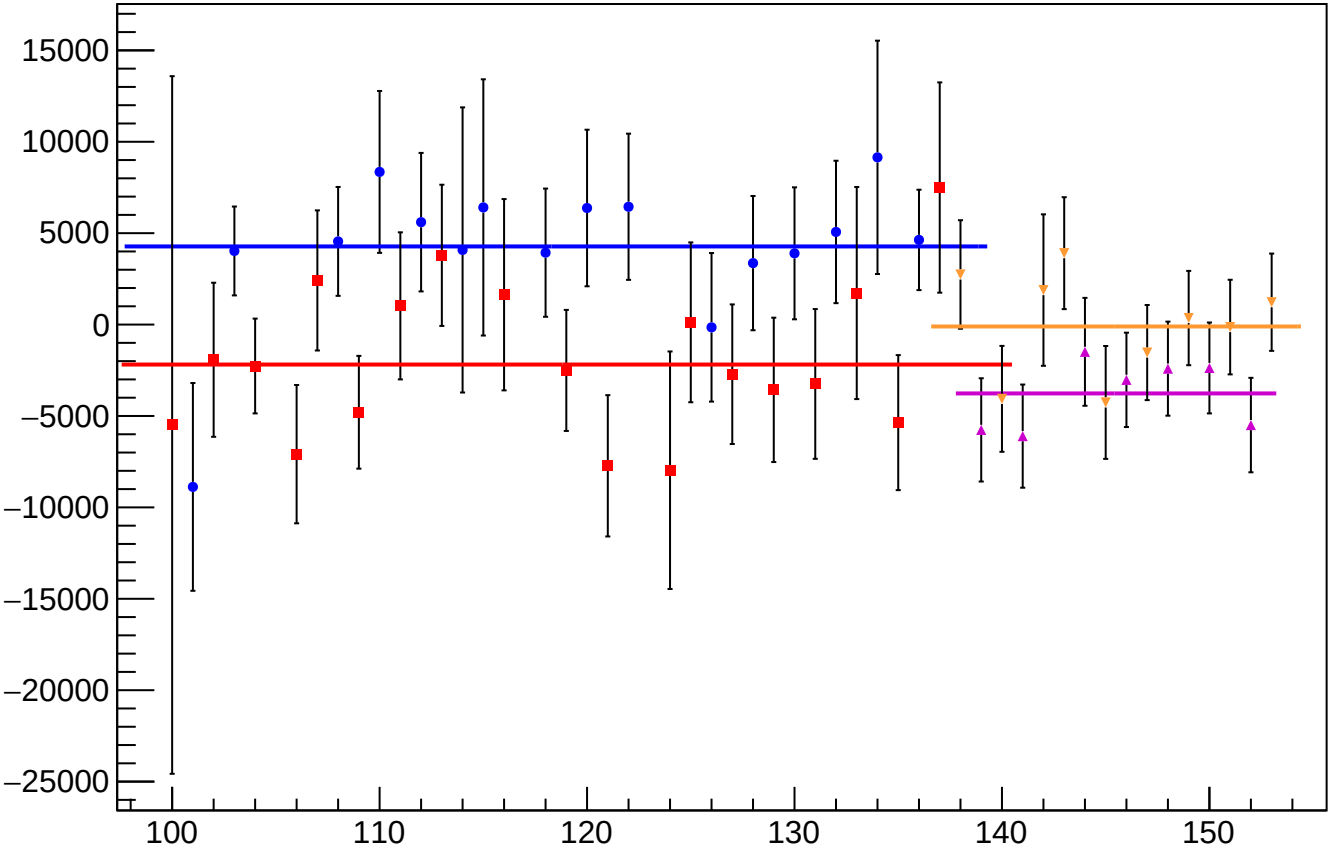
Left In: 0.000+/-0.000 χ^2/NDF:487962.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 2652934.1/24

All: 0.000+/-0.000 χ^2/NDF: 4684150.0/50

- sign 0.000+/-0.000 χ^2/NDF: 2000568.9/25

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -103.613+/-957.254 χ^2/NDF:7.1/8

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

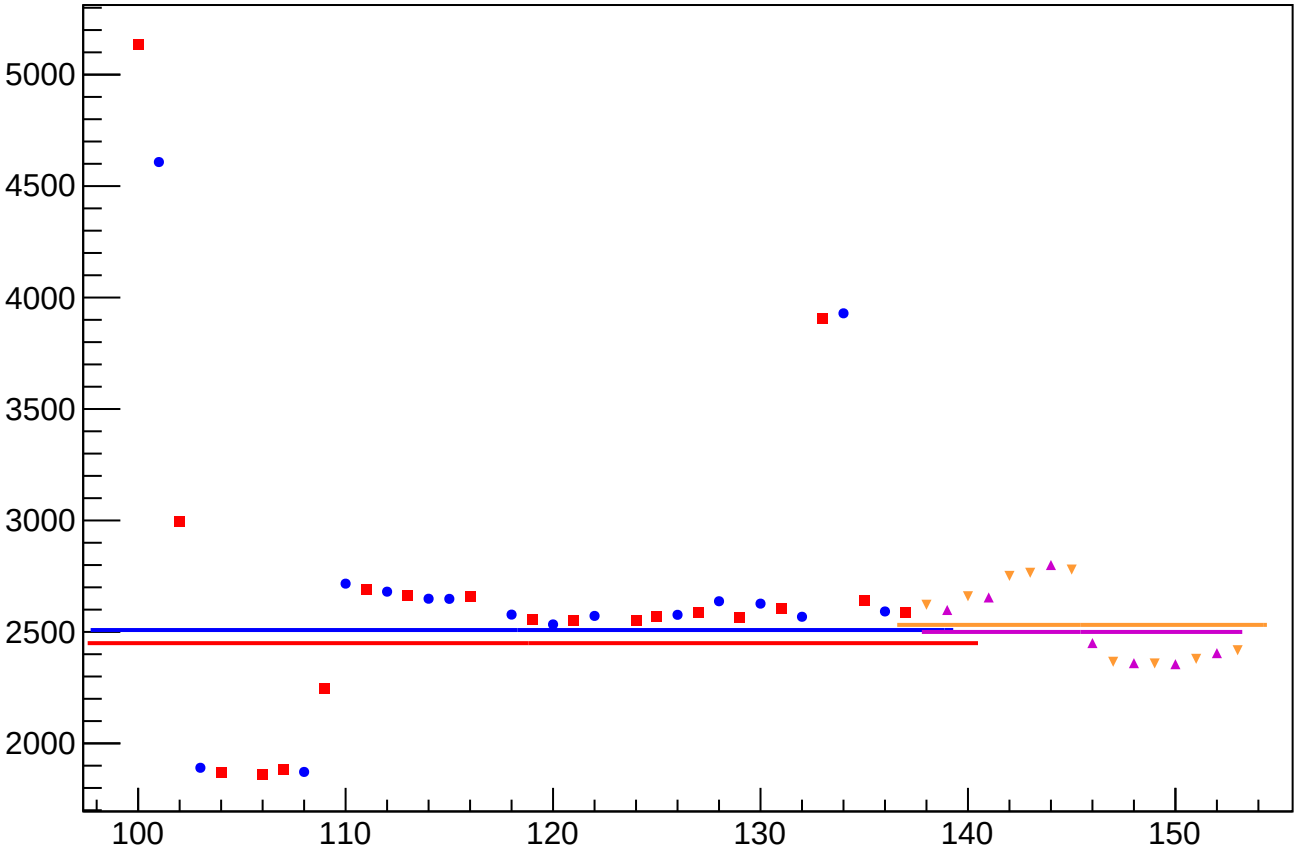
Left In: -3765.966+/-1010.860 χ^2/NDF:2.9/6

+ sign 2097.540+/-675.000 χ^2/NDF: 26.5/24

All: -380.059+/-479.491 χ^2/NDF: 72.8/50

- sign -2903.732+/-681.247 χ^2/NDF: 19.0/25

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2531.588+/-0.677 χ^2/NDF:63669.1/8

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

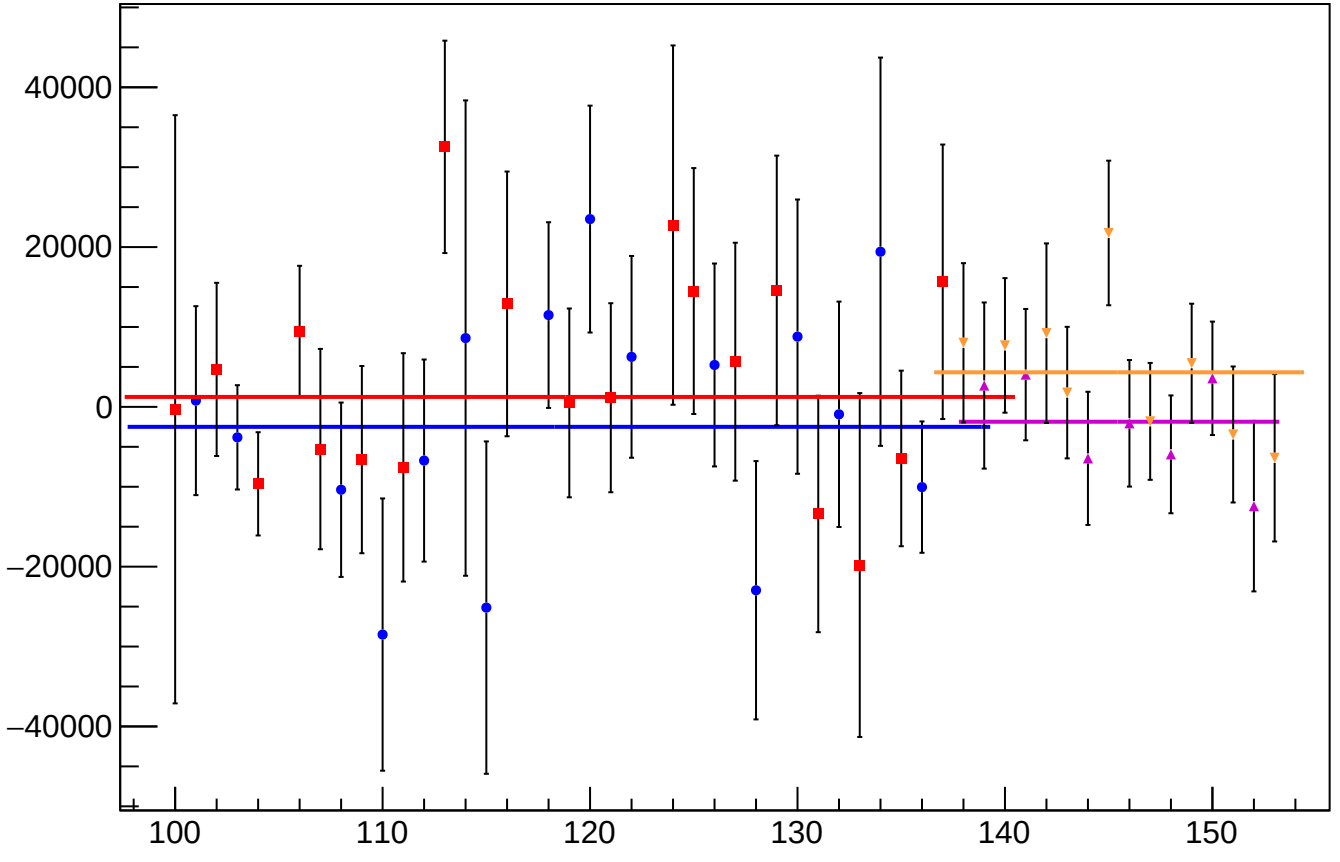
Left In: 2499.908+/-0.715 χ^2/NDF:45292.1/6

+ sign 2519.963+/-0.477 χ^2/NDF: 675845.4/24

All: 2496.431+/-0.339 χ^2/NDF: 1165646.6/50

- sign 2472.461+/-0.482 χ^2/NDF: 484894.5/25

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 4325.603+/-2903.132 χ^2/NDF:6.9/8

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

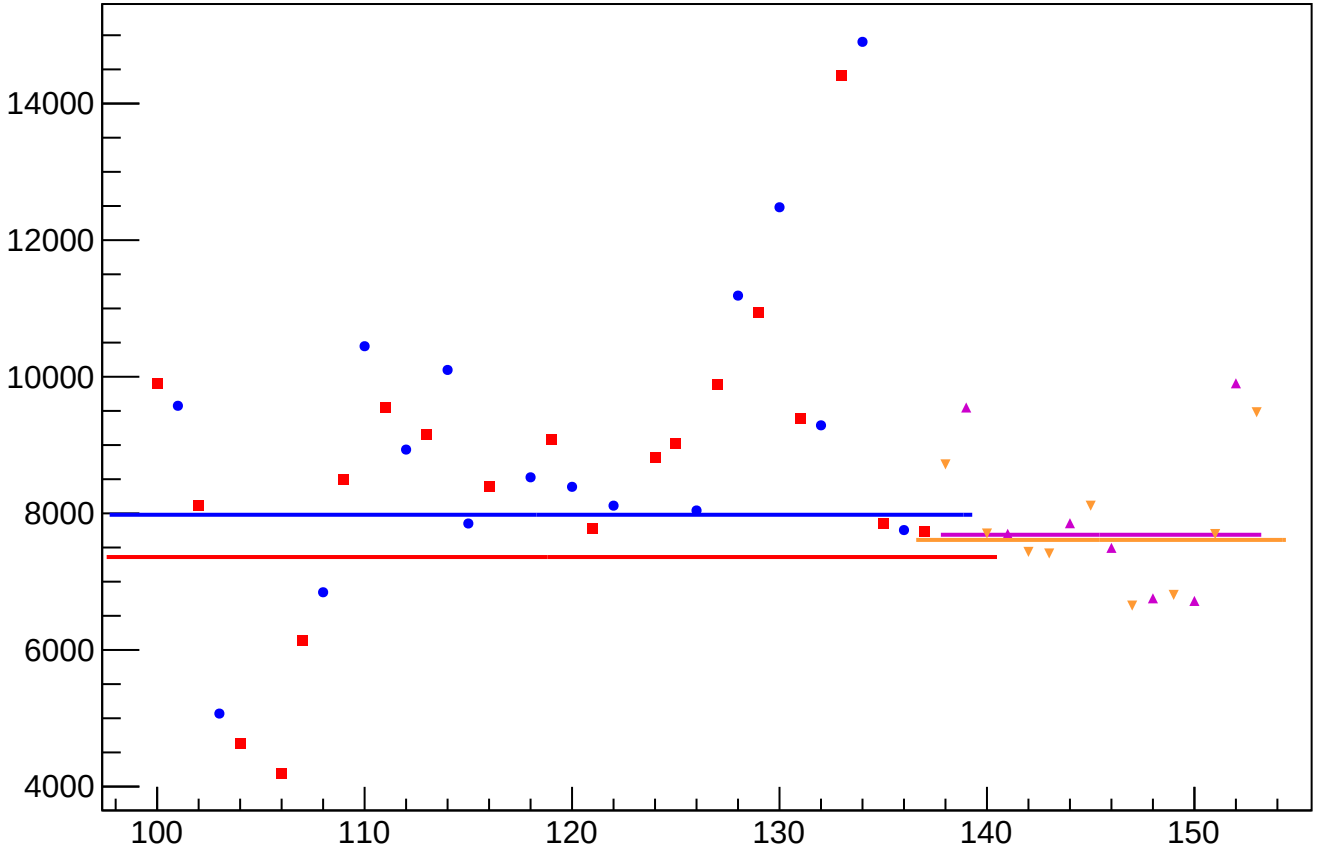
Left In: -1861.402+/-3140.399 χ^2/NDF:2.9/6

+ sign 1109.230+/-2111.157 χ^2/NDF: 23.3/24

All: 474.844+/-1492.964 χ^2/NDF: 43.5/50

- sign -159.797+/-2111.582 χ^2/NDF: 20.0/25

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7611.338+/-2.053 χ^2/NDF:154366.6/8

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

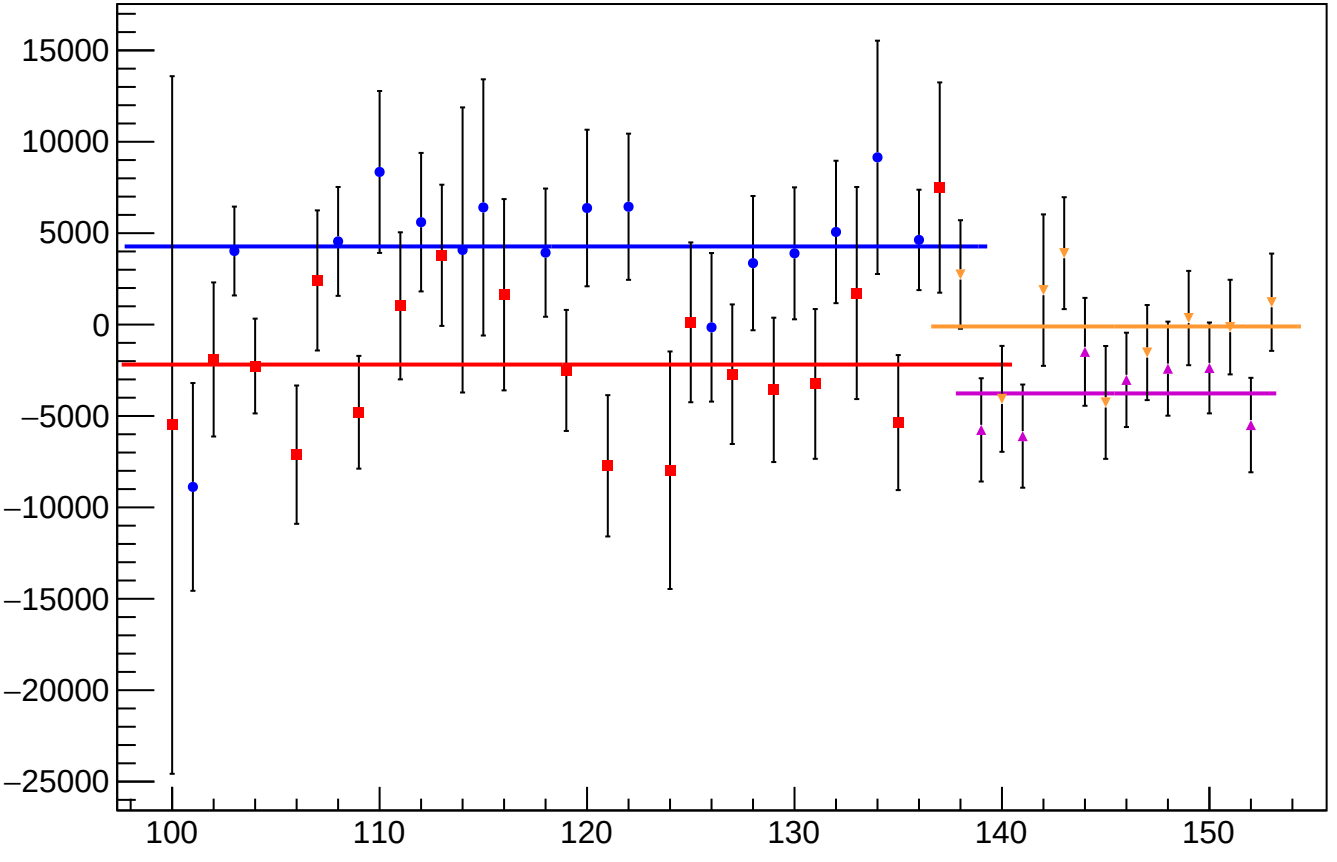
Left In: 7686.727+/-2.221 χ^2/NDF:221704.3/6

+ sign 7784.803+/-1.493 χ^2/NDF: 1092604.6/24

All: 7646.491+/-1.056 χ^2/NDF: 2629297.0/50

- sign 7508.123+/-1.493 χ^2/NDF: 1519520.1/25

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -103.765+/-957.254 χ^2/NDF:7.1/8

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

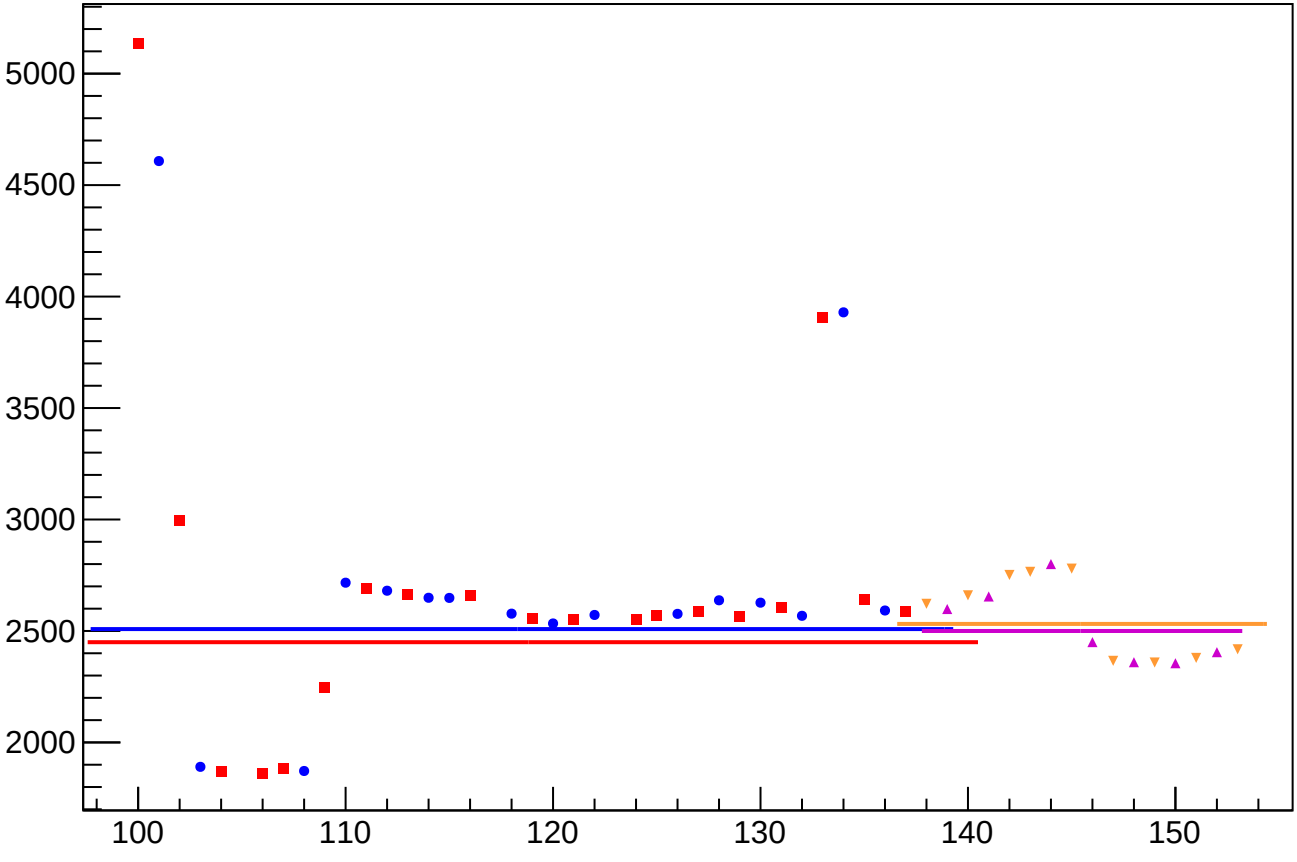
Left In: -3766.073+/-1010.860 χ^2/NDF:2.9/6

+ sign 2097.217+/-675.000 χ^2/NDF: 26.5/24

All: -380.407+/-479.492 χ^2/NDF: 72.8/50

- sign -2904.127+/-681.250 χ^2/NDF: 19.1/25

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2531.588+/-0.677 χ^2/NDF:63669.1/8

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

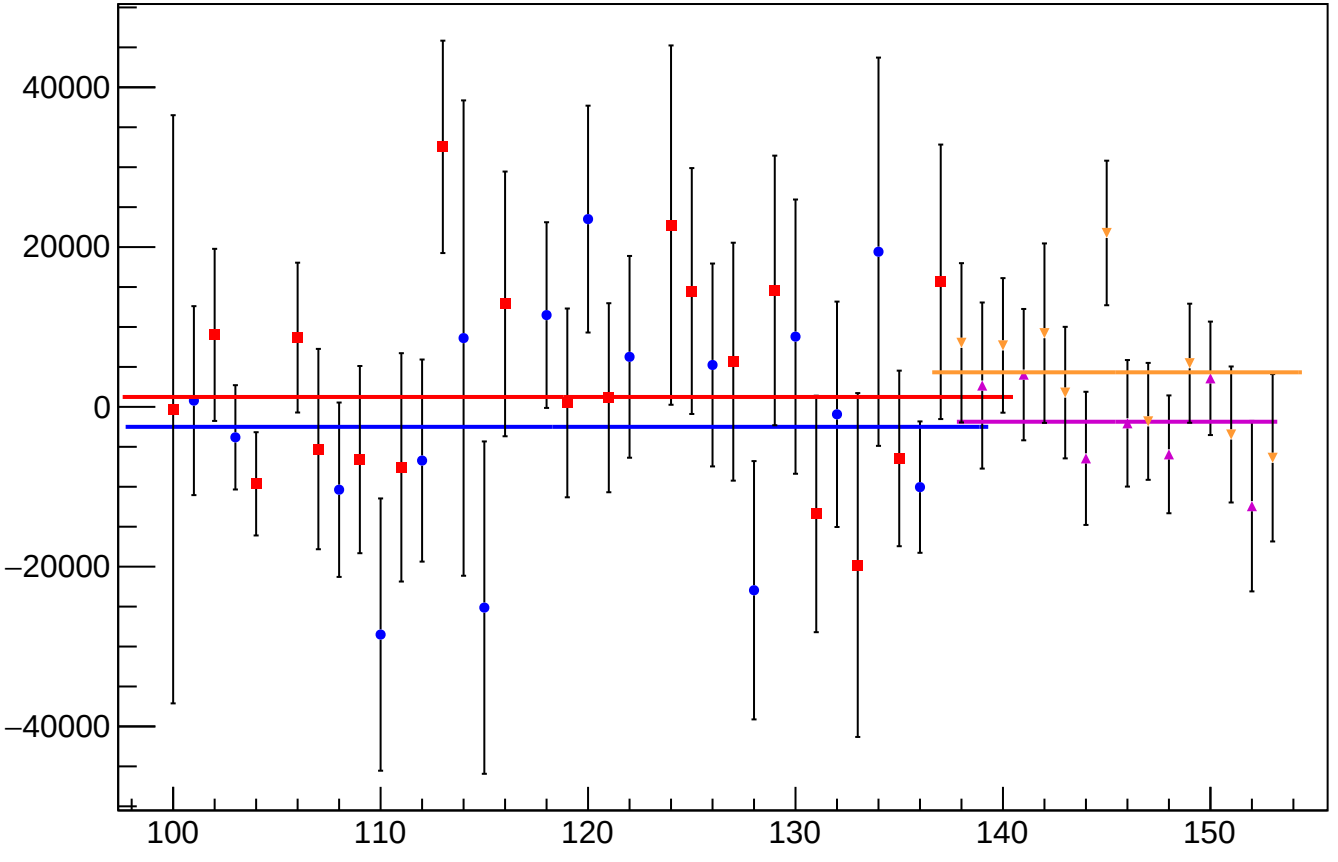
Left In: 2499.908+/-0.715 χ^2/NDF:45292.1/6

+ sign 2519.964+/-0.477 χ^2/NDF: 675843.2/24

All: 2496.438+/-0.339 χ^2/NDF: 1165584.7/50

- sign 2472.475+/-0.482 χ^2/NDF: 484837.4/25

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 4325.555+/-2903.126 χ^2/NDF:6.9/8

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

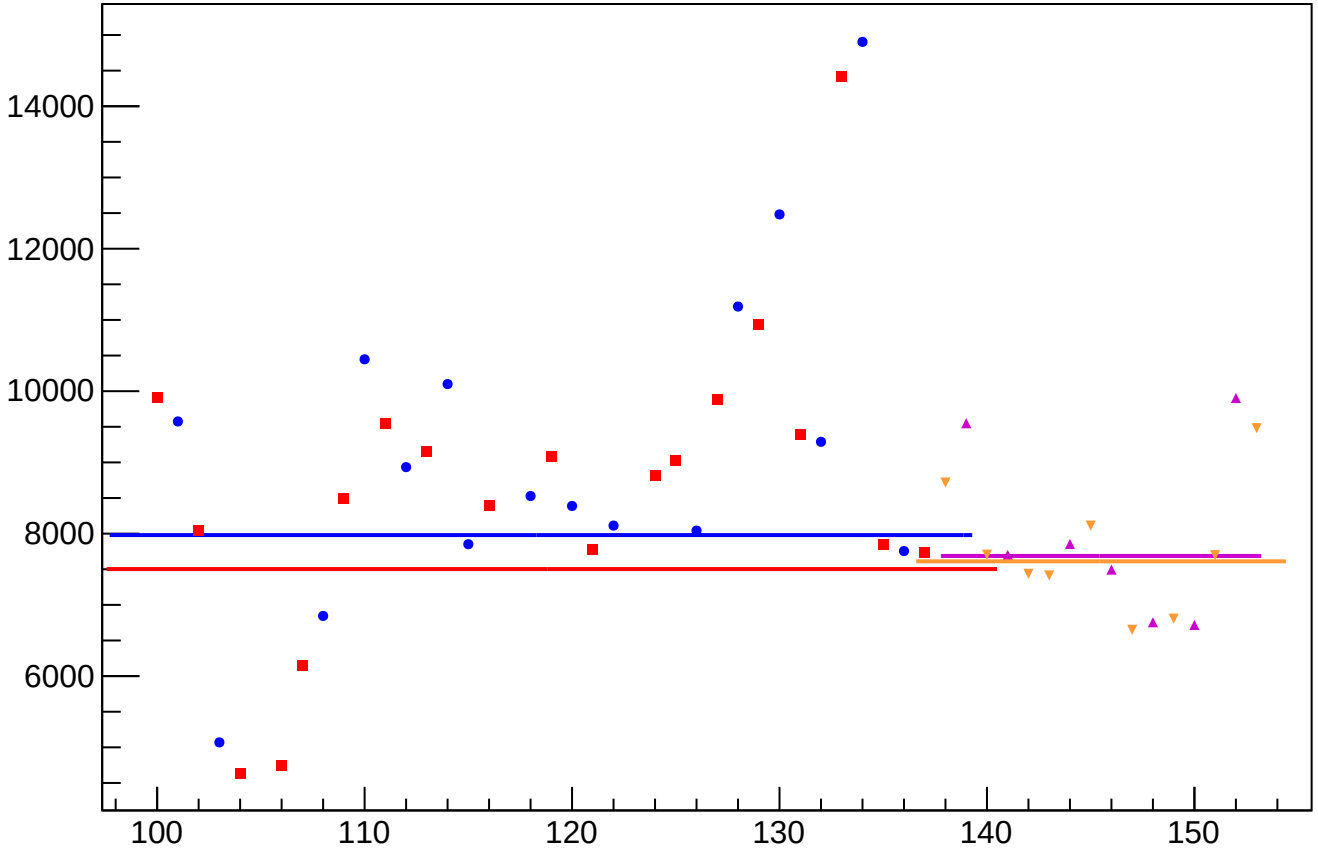
Left In: -1861.547+/-3140.399 χ^2/NDF:2.9/6

+ sign 1109.413+/-2111.183 χ^2/NDF: 23.3/24

All: 467.763+/-1498.721 χ^2/NDF: 43.5/50

- sign -184.112+/-2127.939 χ^2/NDF: 20.0/25

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7611.322+/-2.053 χ^2/NDF:154370.2/8

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

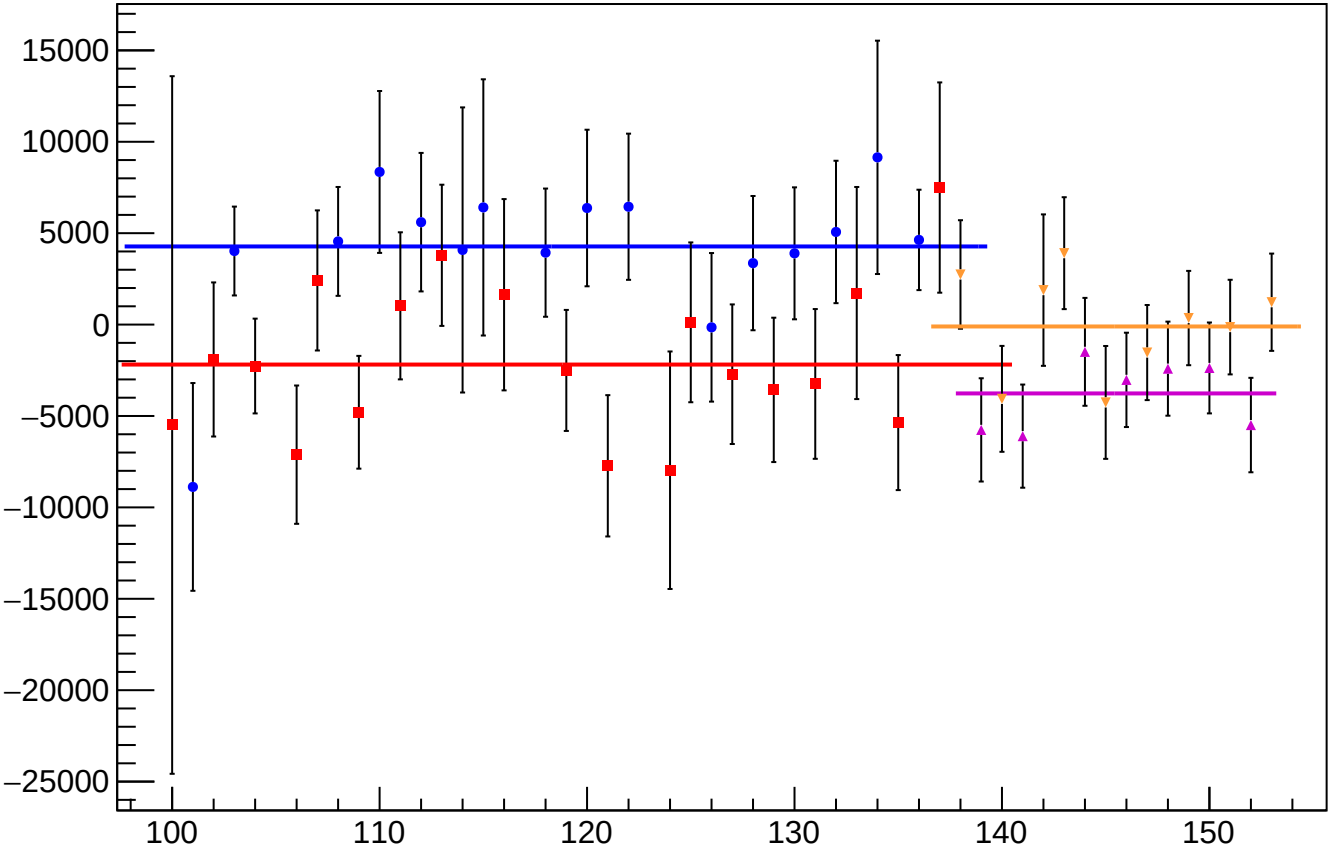
Left In: 7686.726+/-2.221 χ^2/NDF:221707.2/6

+ sign 7784.942+/-1.493 χ^2/NDF: 1092337.3/24

All: 7686.846+/-1.060 χ^2/NDF: 2461987.9/50

- sign 7587.186+/-1.505 χ^2/NDF: 1360945.8/25

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -103.765+/-957.254 χ^2/NDF:7.1/8

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

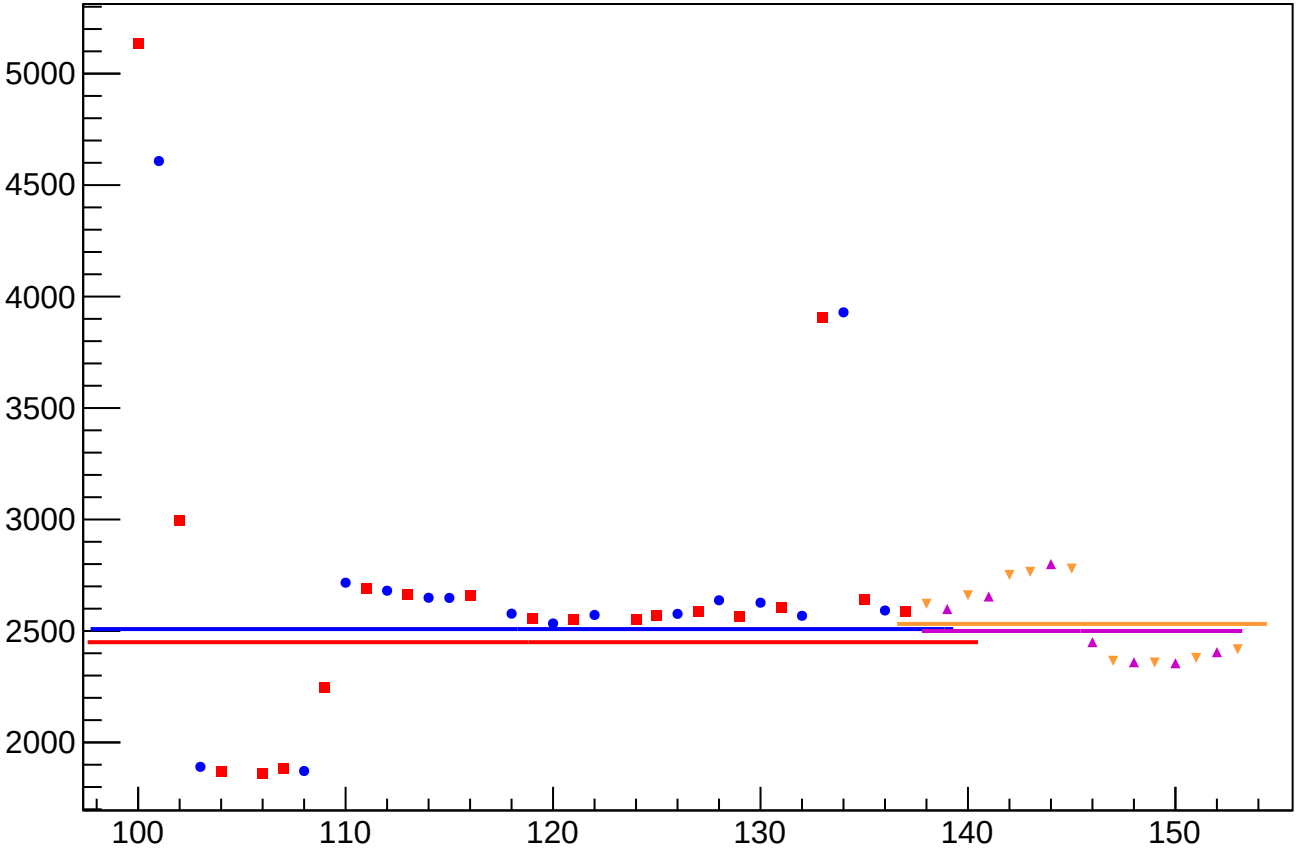
Left In: -3766.073+/-1010.860 χ^2/NDF:2.9/6

+ sign 2097.217+/-675.000 χ^2/NDF: 26.5/24

All: -380.407+/-479.492 χ^2/NDF: 72.8/50

- sign -2904.127+/-681.250 χ^2/NDF: 19.1/25

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2531.588+/-0.677 χ^2/NDF:63669.1/8

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

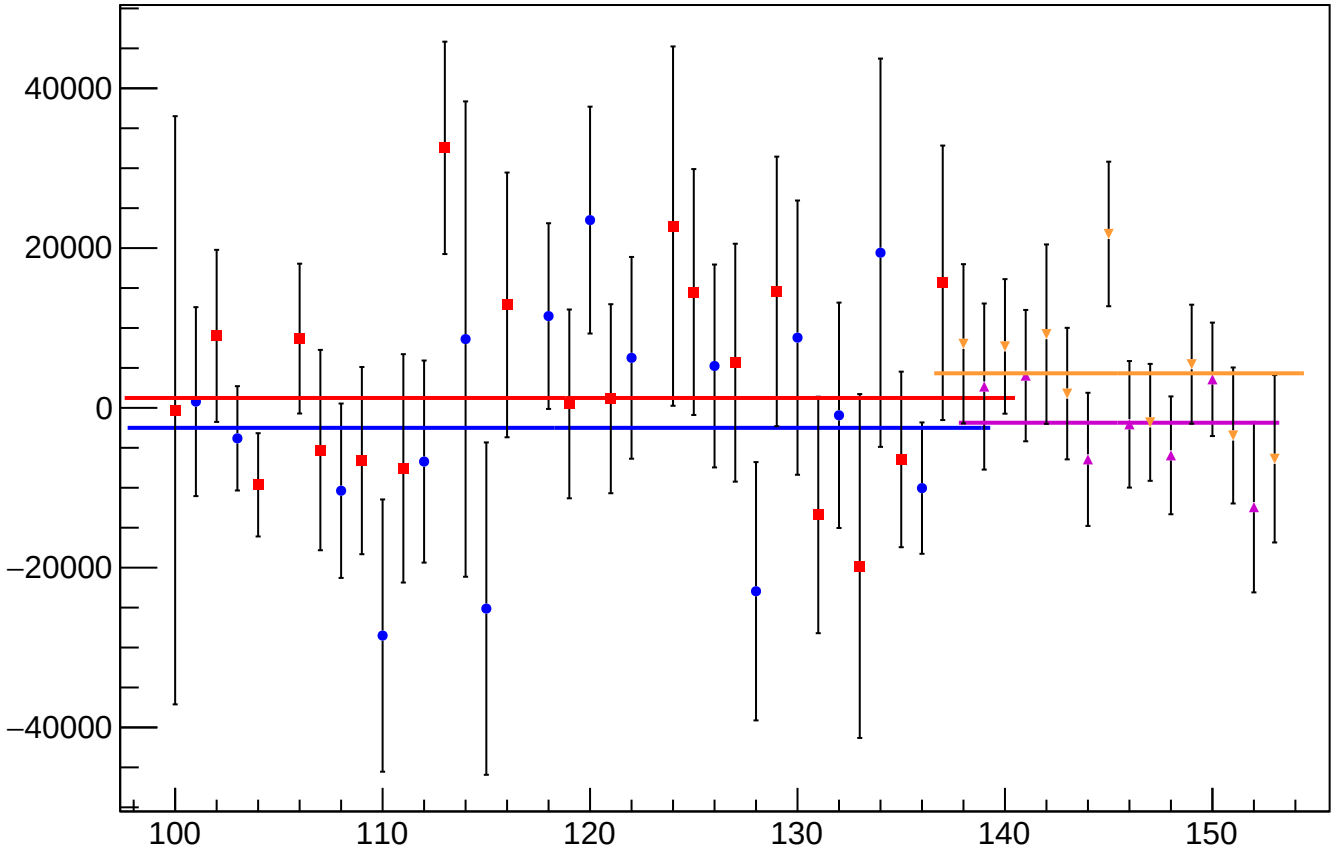
Left In: 2499.908+/-0.715 χ^2/NDF:45292.1/6

+ sign 2519.964+/-0.477 χ^2/NDF: 675843.2/24

All: 2496.438+/-0.339 χ^2/NDF: 1165584.7/50

- sign 2472.475+/-0.482 χ^2/NDF: 484837.4/25

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 4325.555+/-2903.126 χ^2/NDF:6.9/8

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

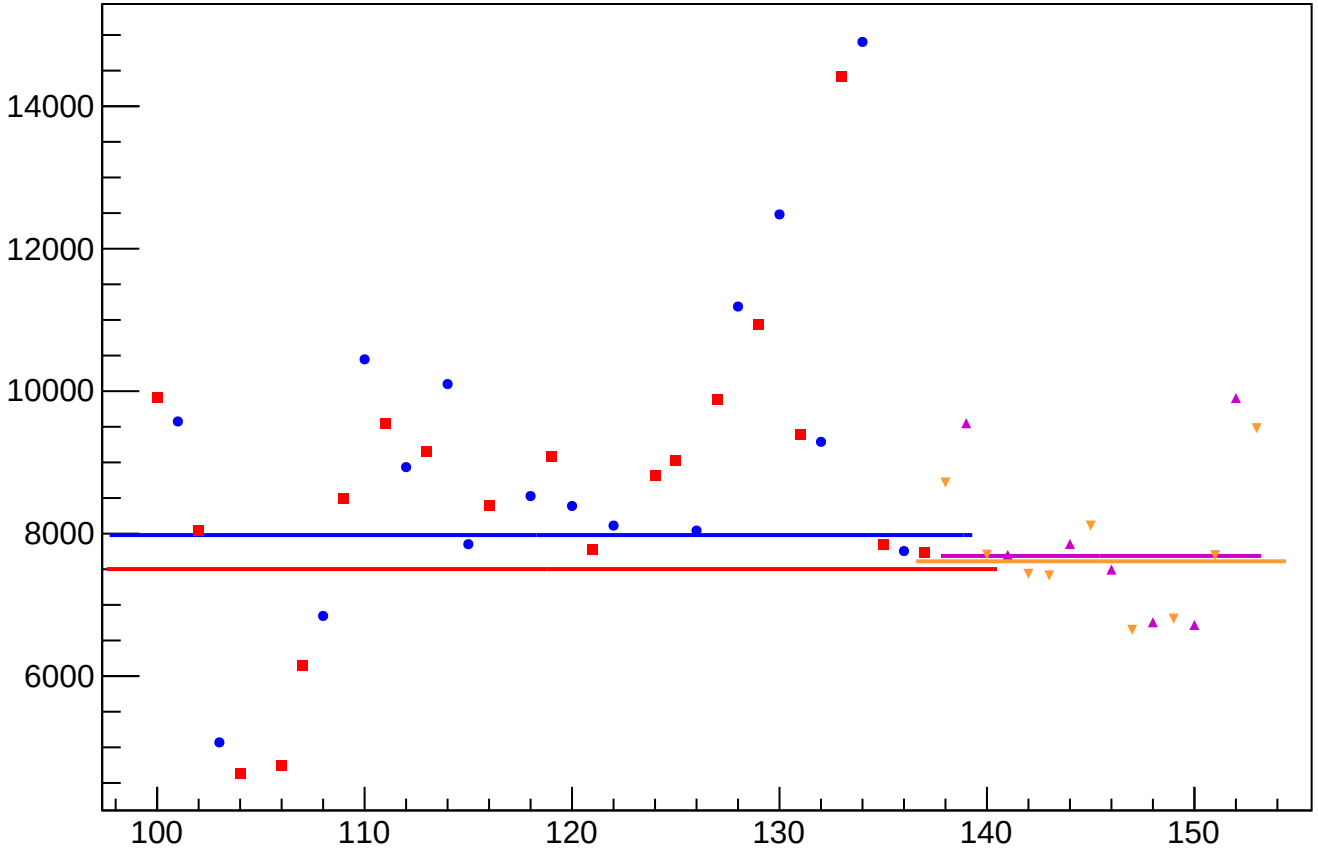
Left In: -1861.547+/-3140.399 χ^2/NDF:2.9/6

+ sign 1109.413+/-2111.183 χ^2/NDF: 23.3/24

All: 467.763+/-1498.721 χ^2/NDF: 43.5/50

- sign -184.112+/-2127.939 χ^2/NDF: 20.0/25

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7611.322+/-2.053 χ^2/NDF:154370.2/8

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

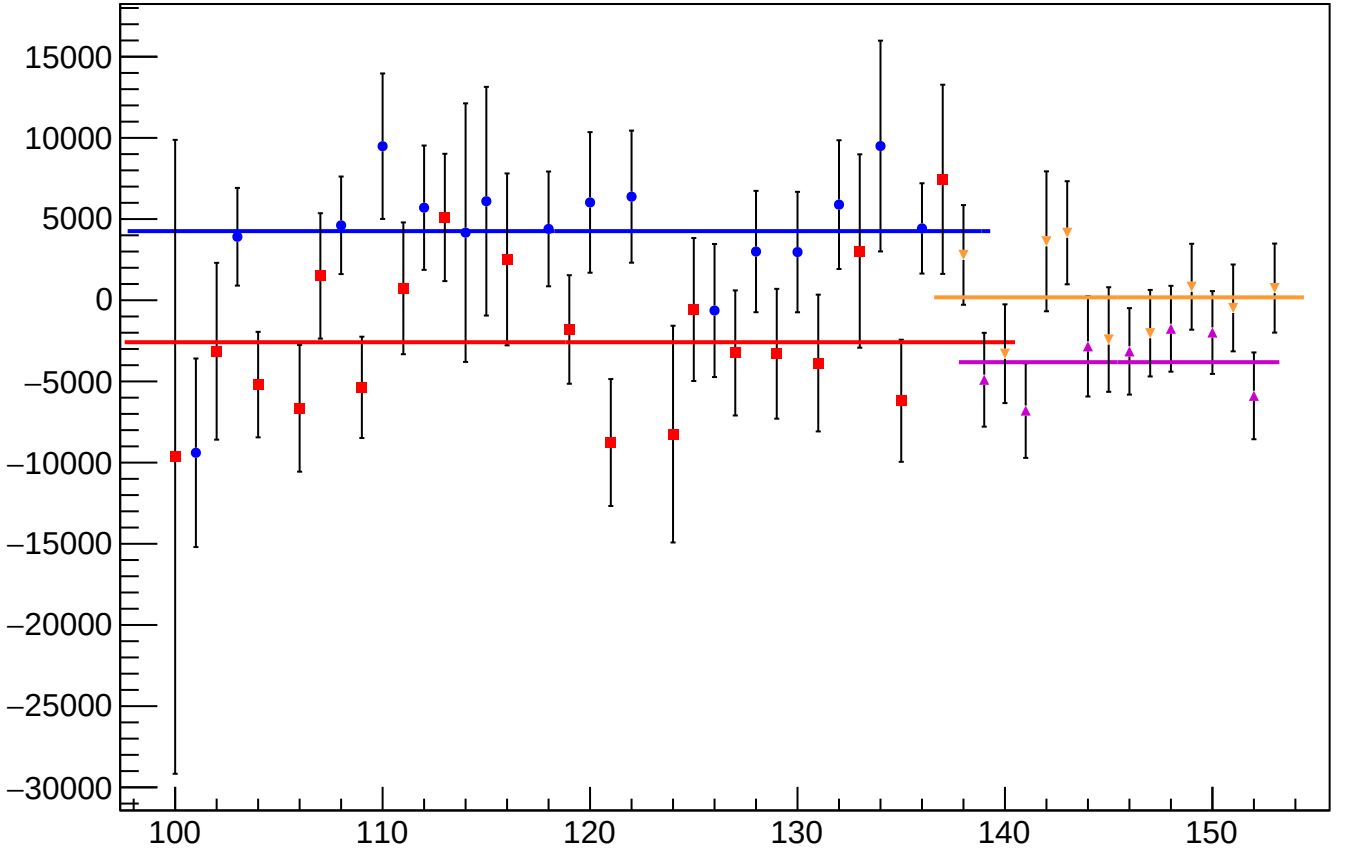
Left In: 7686.726+/-2.221 χ^2/NDF:221707.2/6

+ sign 7784.942+/-1.493 χ^2/NDF: 1092337.3/24

All: 7686.846+/-1.060 χ^2/NDF: 2461987.9/50

- sign 7587.186+/-1.505 χ^2/NDF: 1360945.8/25

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 177.994+/-990.105 χ^2/NDF:5.7/8

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

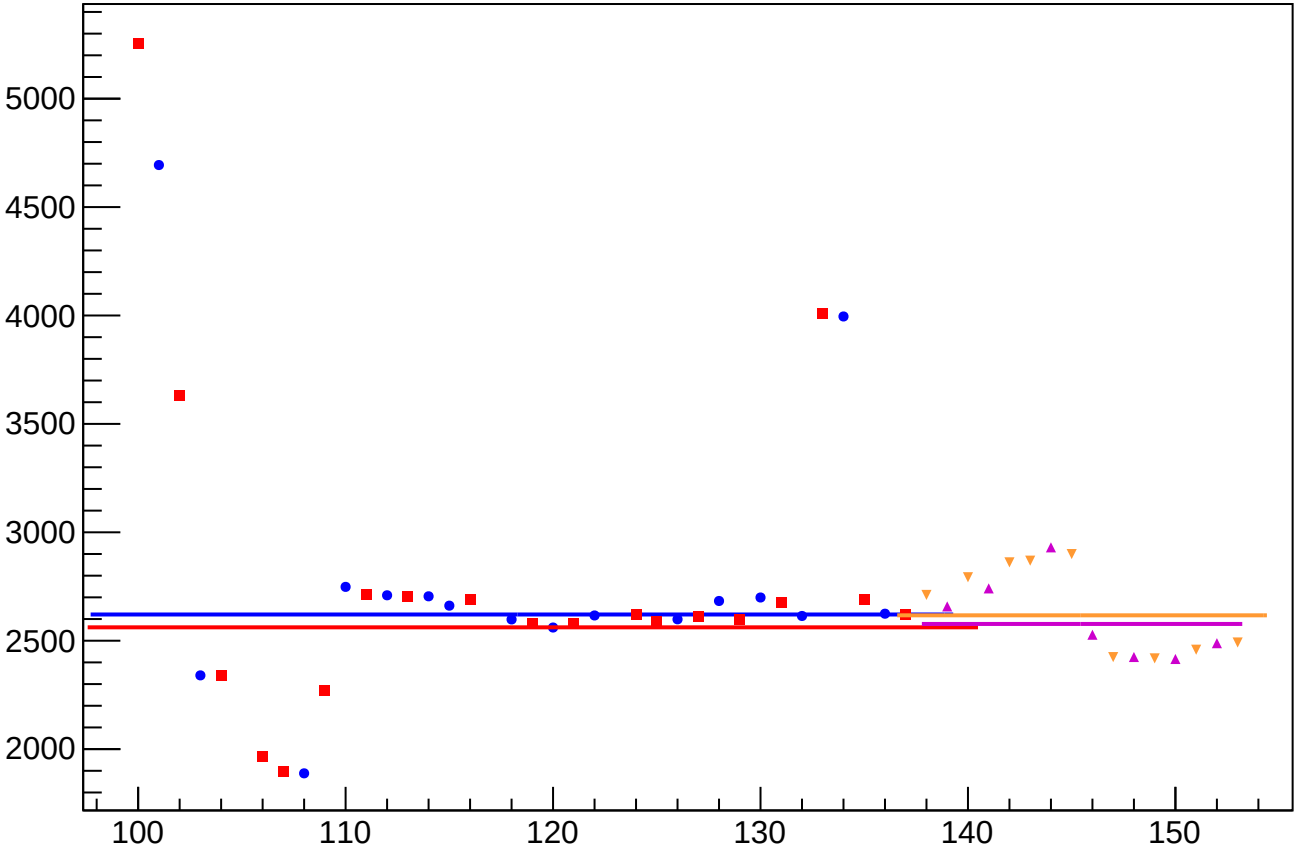
Left In: -3813.446+/-1042.490 χ^2/NDF:3.1/6

+ sign 2216.585+/-700.264 χ^2/NDF: 24.3/24

All: -436.188+/-498.077 χ^2/NDF: 74.8/50

- sign -3152.371+/-708.584 χ^2/NDF: 21.5/25

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2617.119+/-0.700 χ^2/NDF:75894.8/8

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

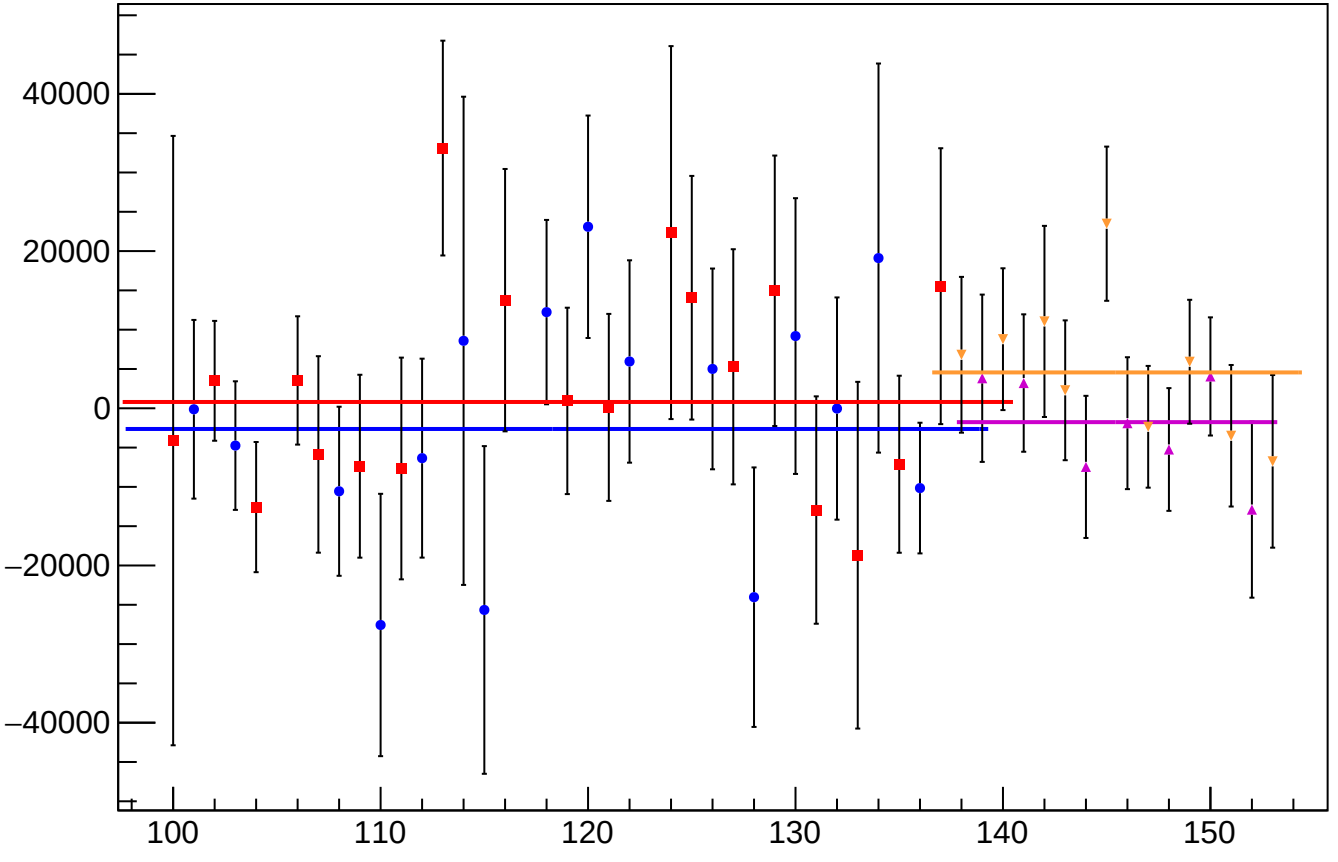
Left In: 2577.307+/-0.737 χ^2/NDF:51649.3/6

+ sign 2619.041+/-0.495 χ^2/NDF: 561824.0/24

All: 2594.266+/-0.352 χ^2/NDF: 997038.4/50

- sign 2568.916+/-0.501 χ^2/NDF: 430149.5/25

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 4562.186+/-3076.545 χ^2/NDF:7.0/8

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

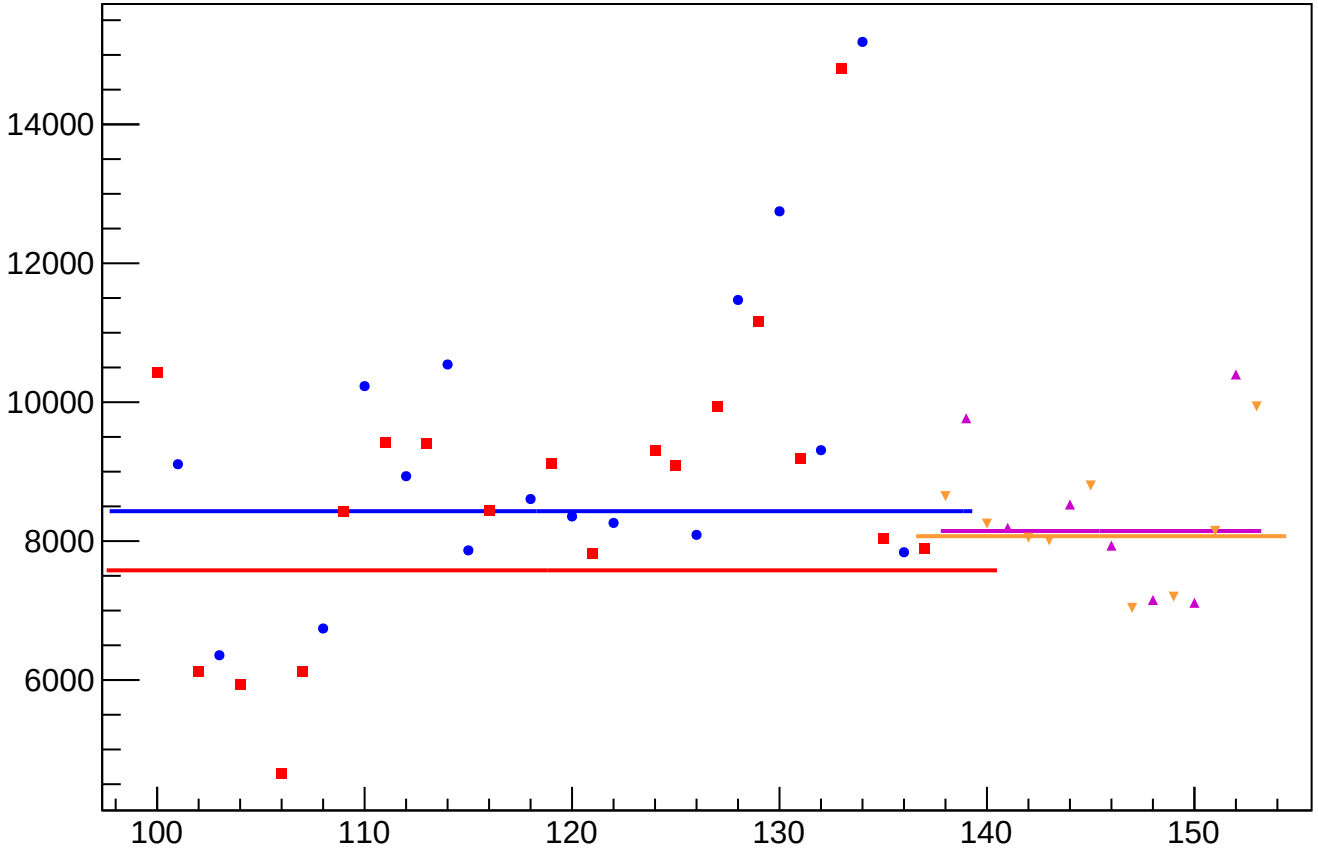
Left In: -1762.353+/-3325.681 χ^2/NDF:2.8/6

+ sign 1119.469+/-2221.626 χ^2/NDF: 23.4/24

All: 397.764+/-1553.836 χ^2/NDF: 42.2/50

- sign -293.367+/-2174.059 χ^2/NDF: 18.5/25

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8070.785+/-2.175 χ^2/NDF:136722.8/8

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

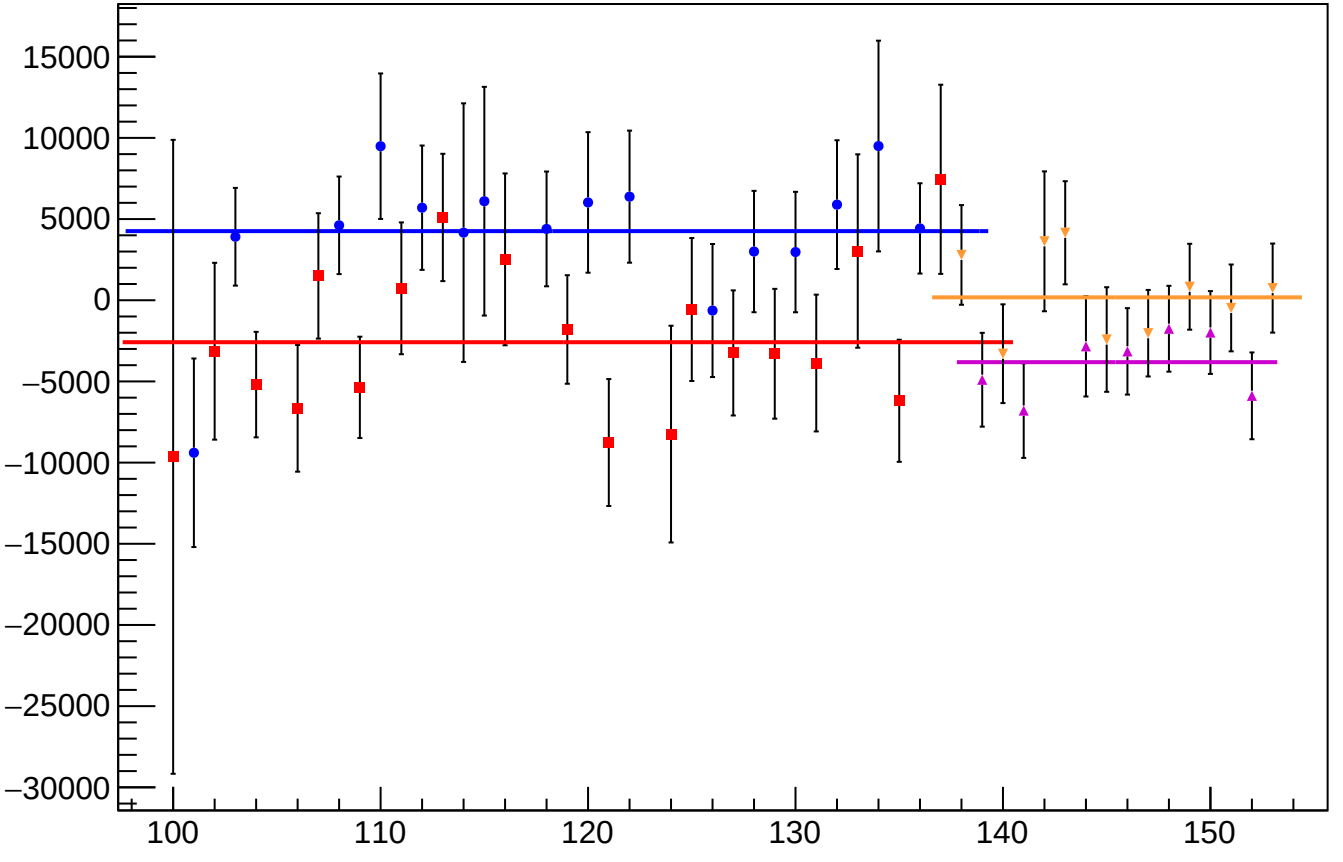
Left In: 8145.735+/-2.352 χ^2/NDF:202472.6/6

+ sign 8243.054+/-1.571 χ^2/NDF: 730121.5/24

All: 8027.592+/-1.099 χ^2/NDF: 1976794.3/50

- sign 7821.257+/-1.537 χ^2/NDF: 1209846.2/25

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 177.987+/-990.105 χ^2/NDF:5.7/8

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

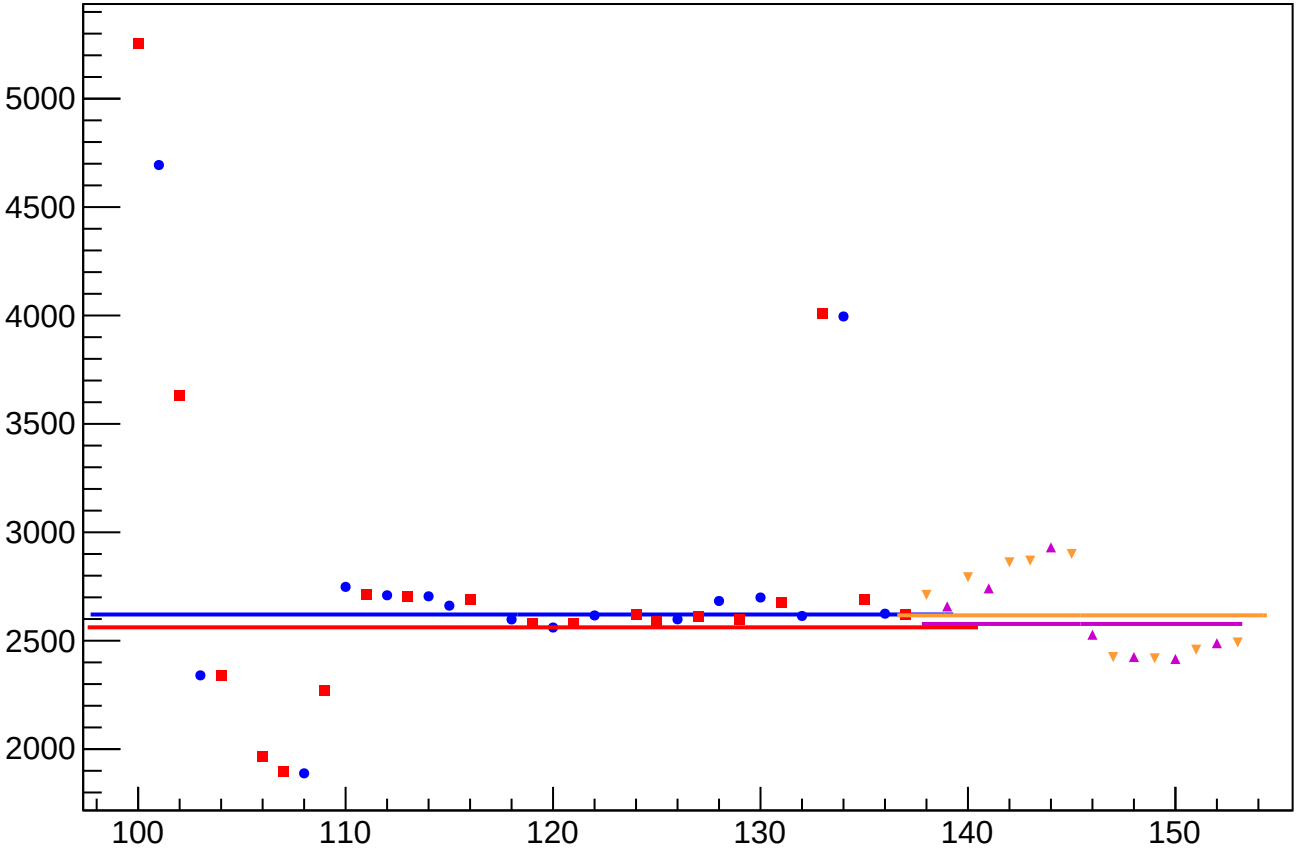
Left In: -3813.439+/-1042.491 χ^2/NDF:3.1/6

+ sign 2216.588+/-700.264 χ^2/NDF: 24.3/24

All: -436.188+/-498.077 χ^2/NDF: 74.8/50

- sign -3152.373+/-708.584 χ^2/NDF: 21.5/25

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2617.121+/-0.700 χ^2/NDF:75895.0/8

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

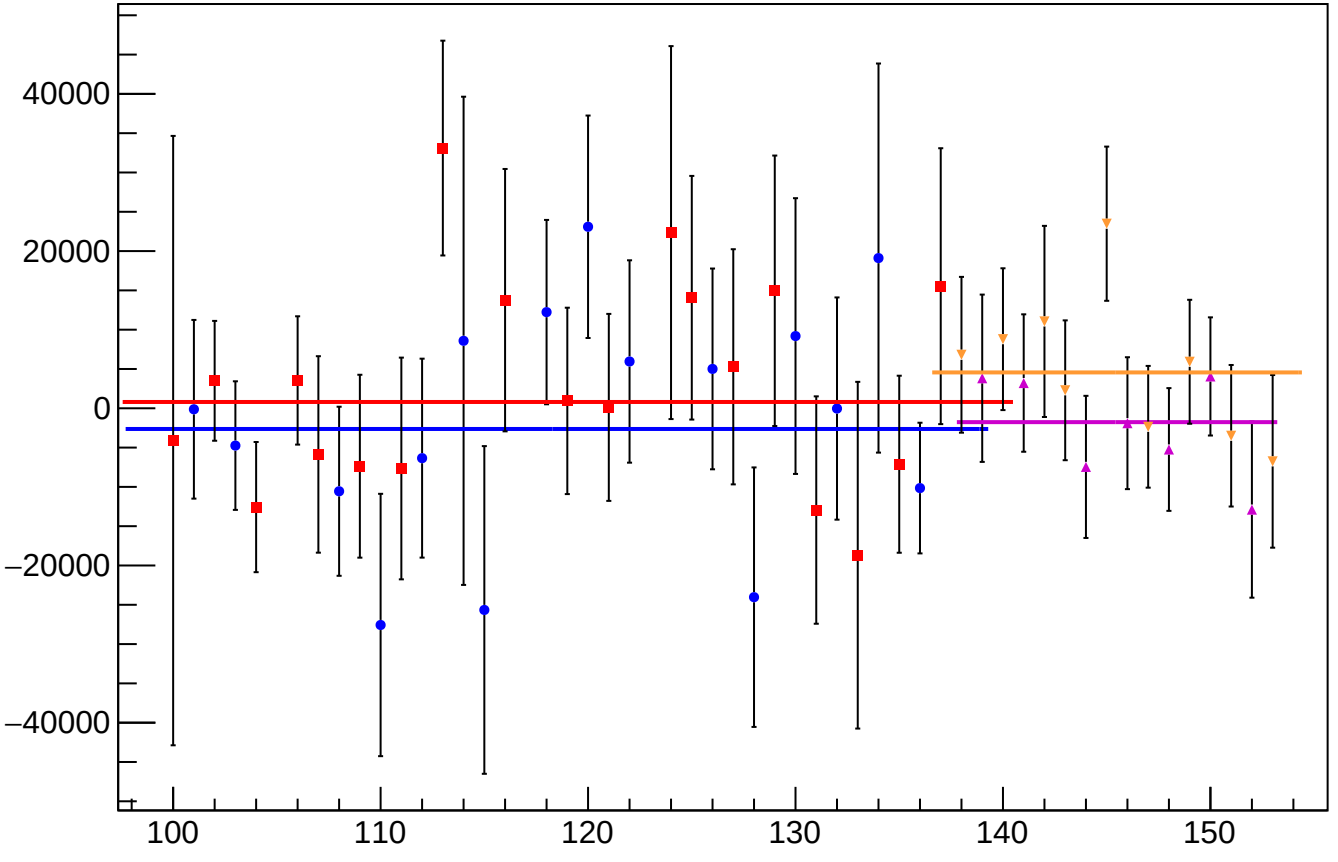
Left In: 2577.308+/-0.737 χ^2/NDF:51649.1/6

+ sign 2619.041+/-0.495 χ^2/NDF: 561824.4/24

All: 2594.267+/-0.352 χ^2/NDF: 997038.0/50

- sign 2568.916+/-0.501 χ^2/NDF: 430148.8/25

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 4562.183+/-3076.550 χ^2/NDF:7.0/8

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

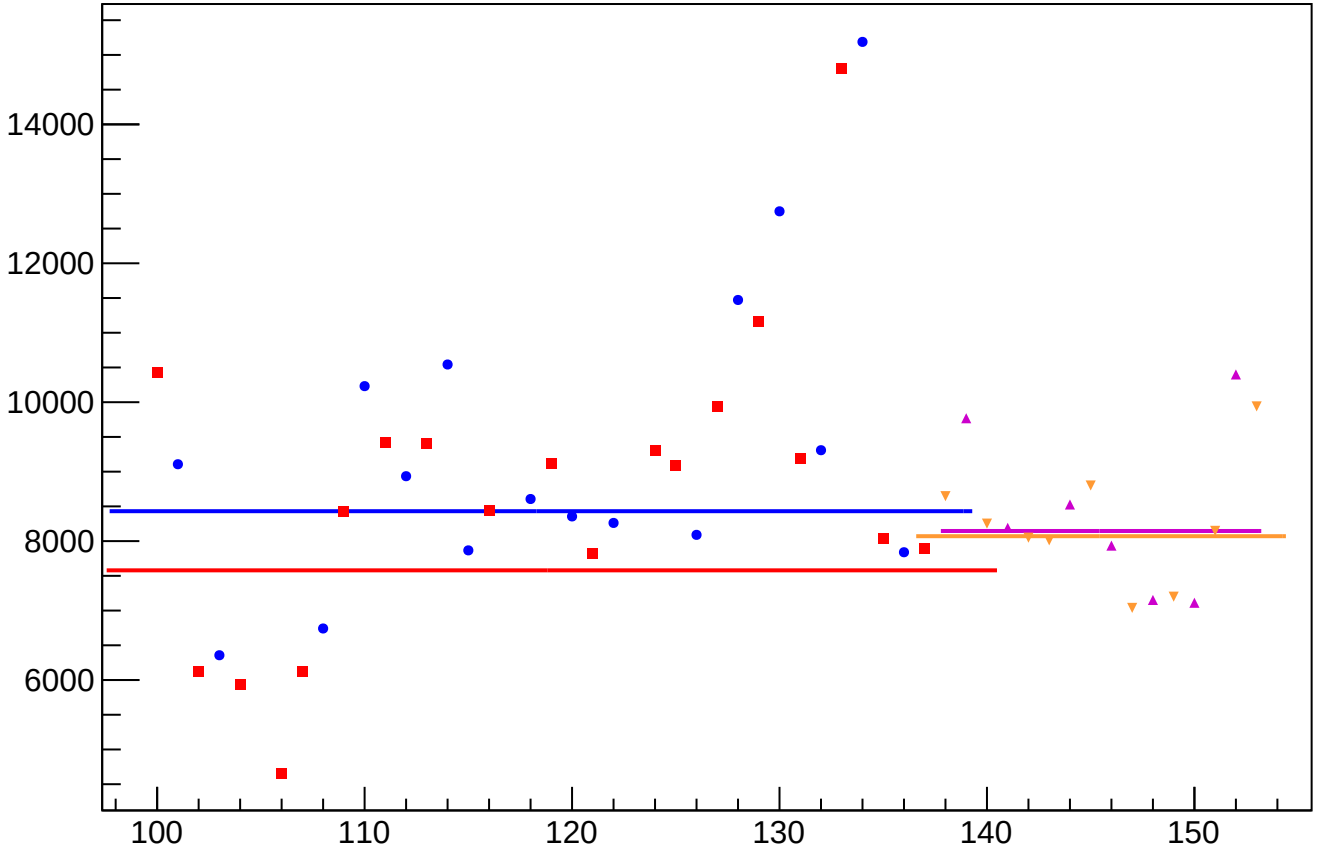
Left In: -1762.348+/-3325.686 χ^2/NDF:2.8/6

+ sign 1119.474+/-2221.626 χ^2/NDF: 23.4/24

All: 397.768+/-1553.836 χ^2/NDF: 42.2/50

- sign -293.363+/-2174.058 χ^2/NDF: 18.5/25

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8070.797+/-2.175 χ^2/NDF:136722.2/8

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

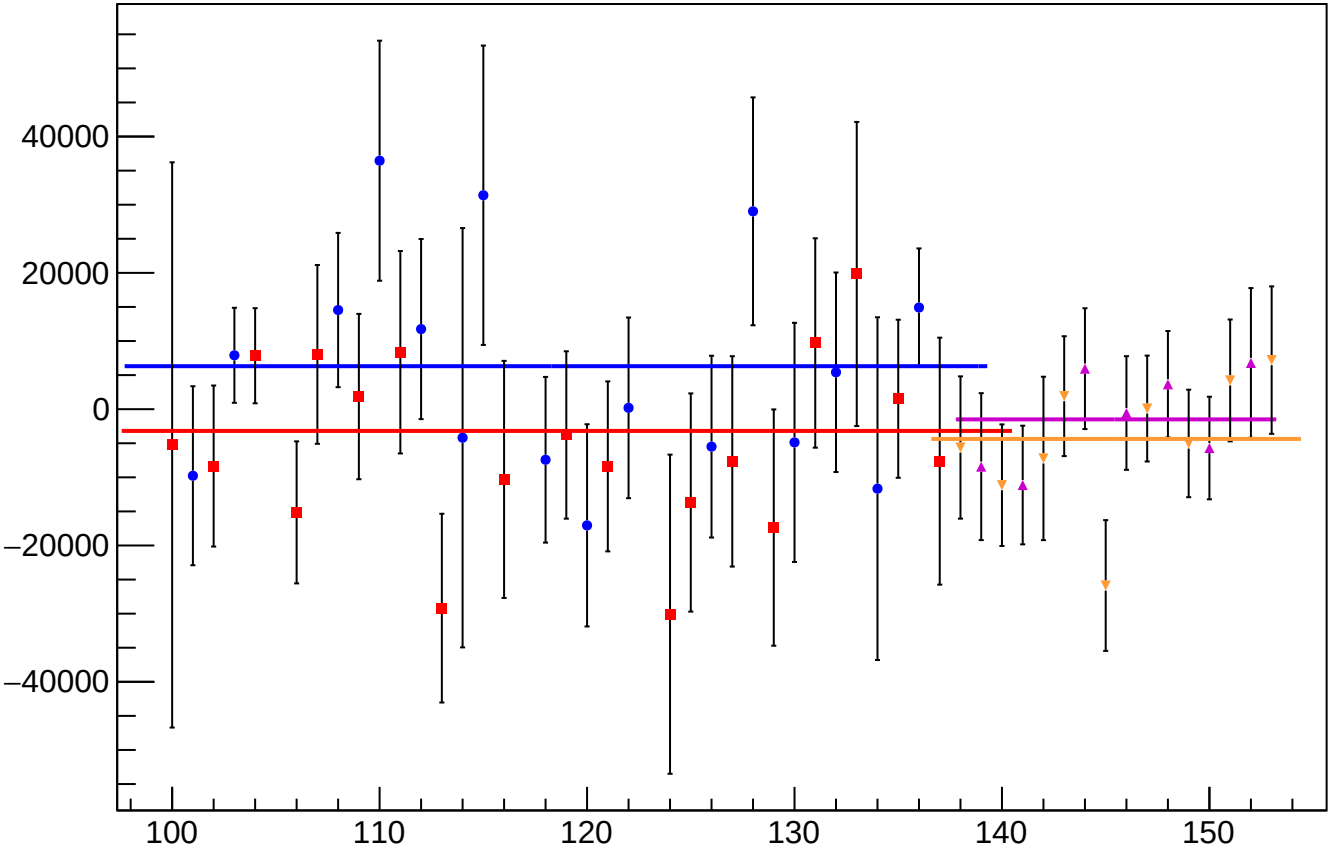
Left In: 8145.747+/-2.352 χ^2/NDF:202471.4/6

+ sign 8243.055+/-1.571 χ^2/NDF: 730113.6/24

All: 8027.591+/-1.099 χ^2/NDF: 1976785.1/50

- sign 7821.255+/-1.537 χ^2/NDF: 1209844.0/25

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -4364.822+/-3068.714 χ^2/NDF:8.6/8

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

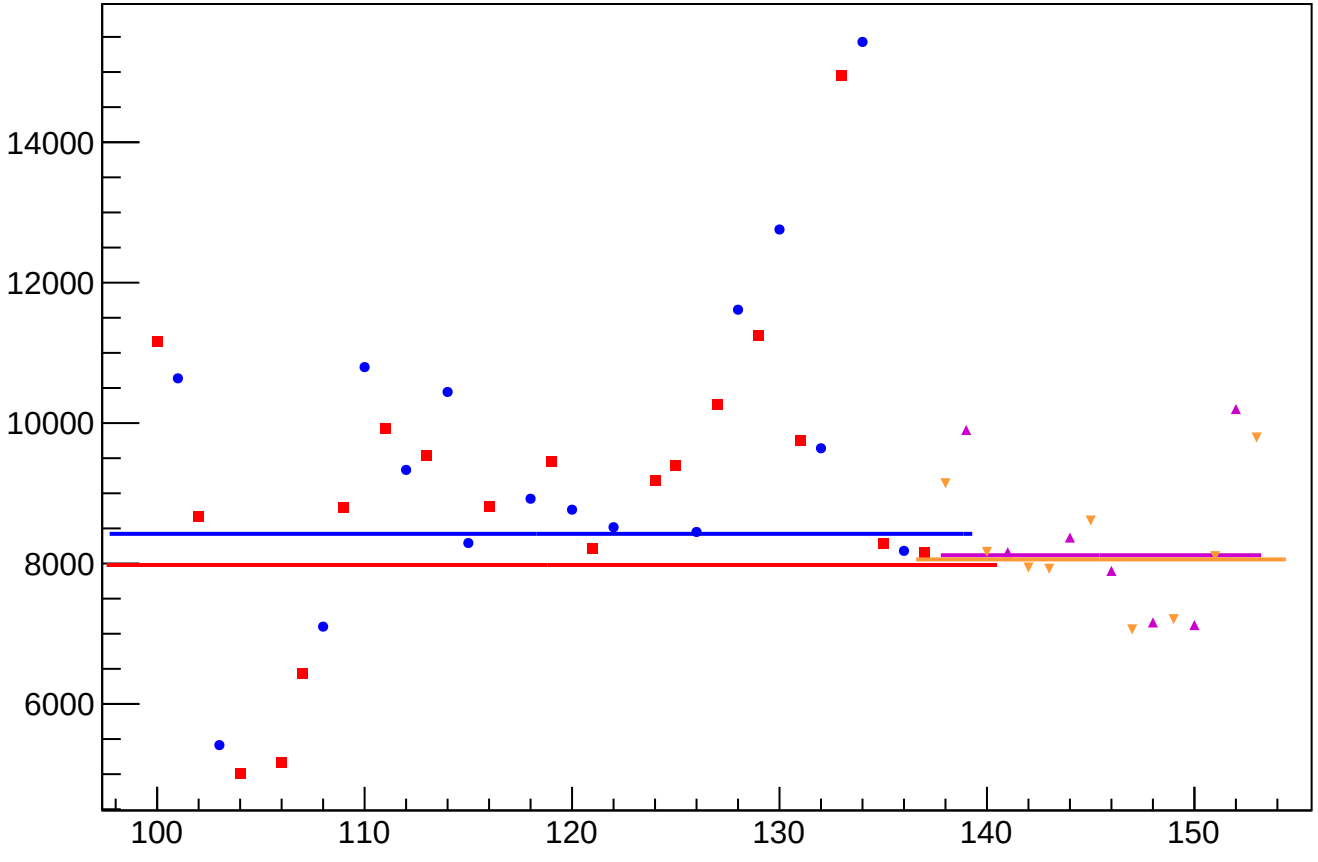
Left In: -1495.892+/-3310.823 χ^2/NDF:3.7/6

+ sign 682.059+/-2227.905 χ^2/NDF: 29.4/24

All: -846.720+/-1583.334 χ^2/NDF: 48.1/50

- sign -2406.819+/-2250.611 χ^2/NDF: 17.7/25

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8058.375+/-2.170 χ^2/NDF:136963.3/8

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

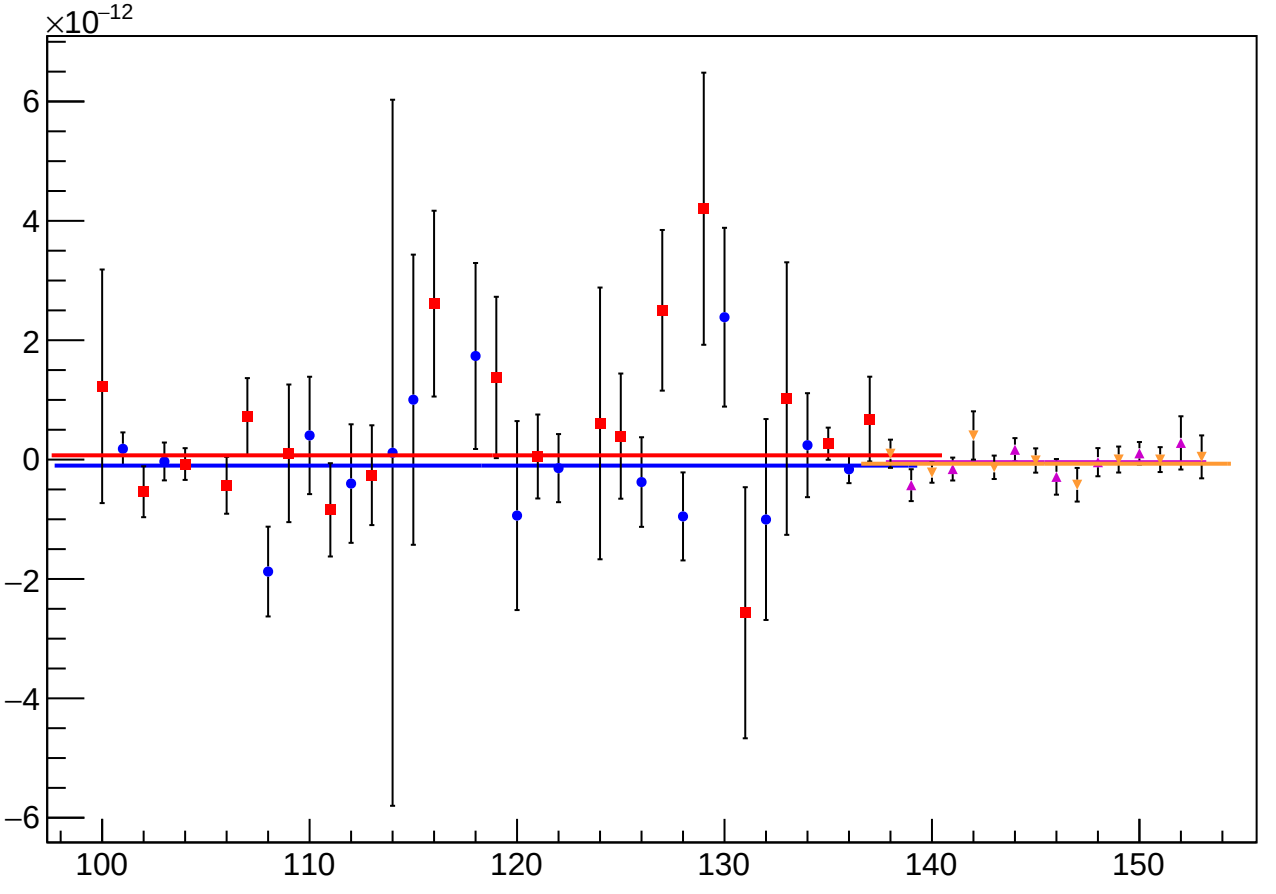
Left In: 8117.601+/-2.341 χ^2/NDF:194724.8/6

+ sign 8230.678+/-1.575 χ^2/NDF: 1032129.9/24

All: 8137.811+/-1.120 χ^2/NDF: 2251780.4/50

- sign 8043.044+/-1.591 χ^2/NDF: 1212629.3/25

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/8

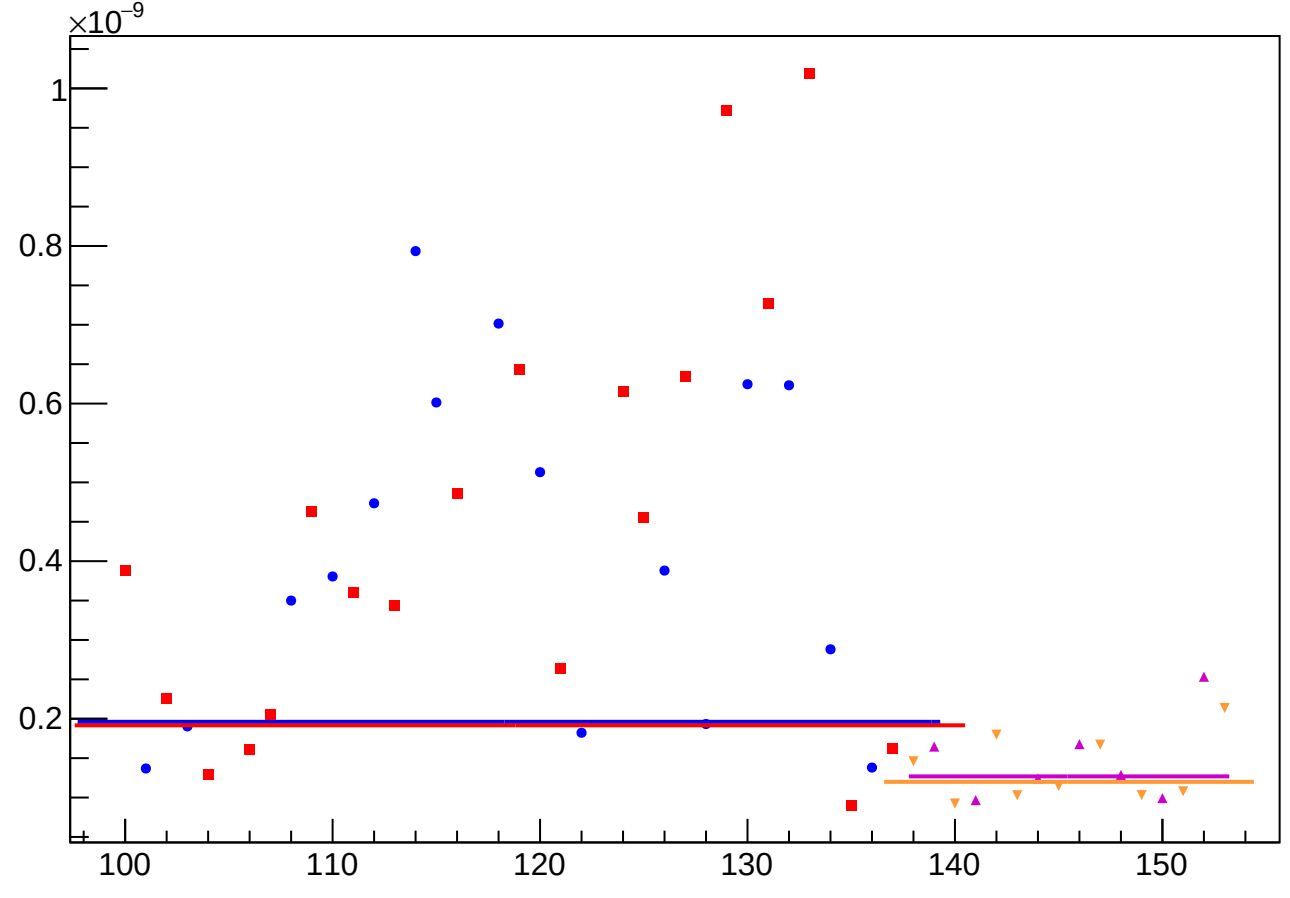
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 18.4/24

All: -0.000+/-0.000 χ^2/NDF: 44.3/50

- sign -0.000+/-0.000 χ^2/NDF: 25.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:347498.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

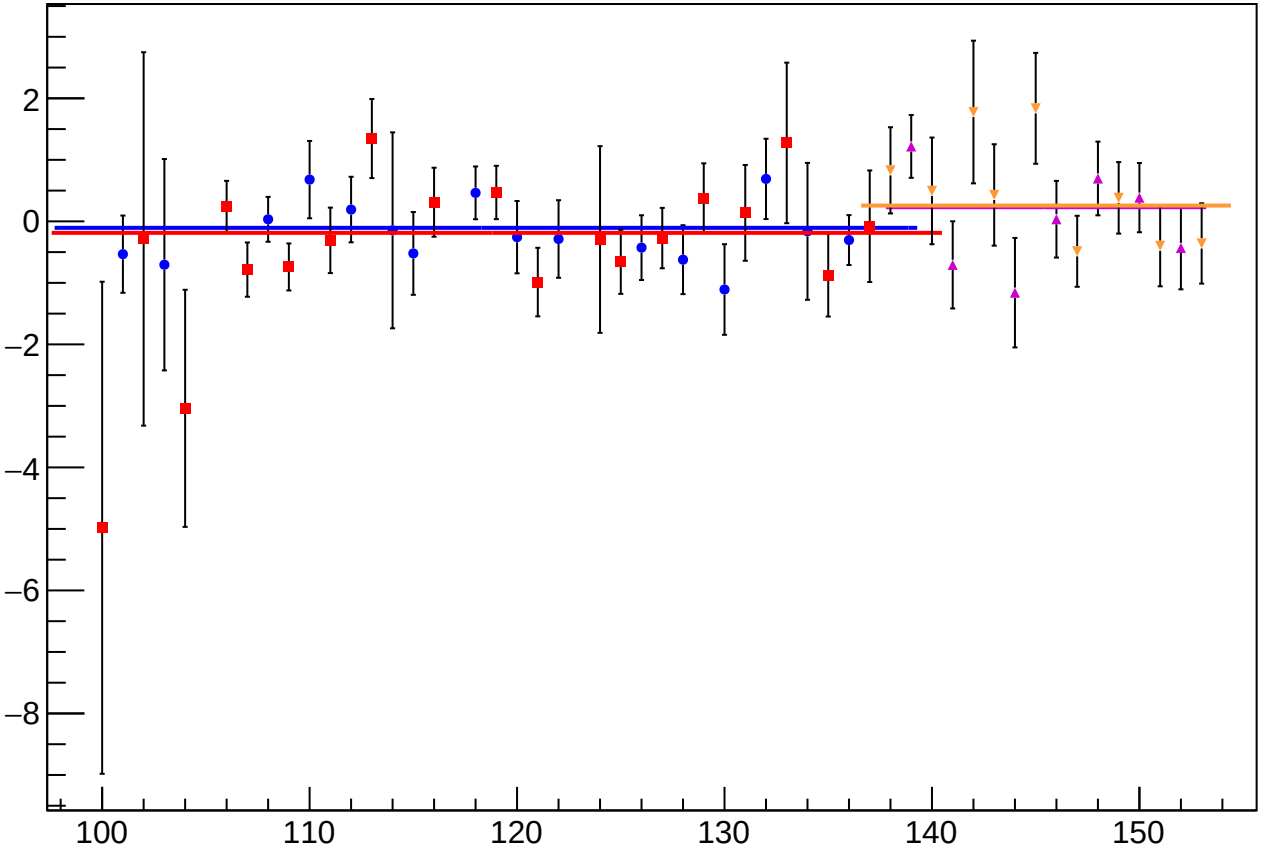
Left In: 0.000+/-0.000 χ^2/NDF:330750.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 2177002.3/24

All: 0.000+/-0.000 χ^2/NDF: 4893726.5/50

- sign 0.000+/-0.000 χ^2/NDF: 2707074.0/25

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.257+/-0.240 χ^2/NDF:9.2/8

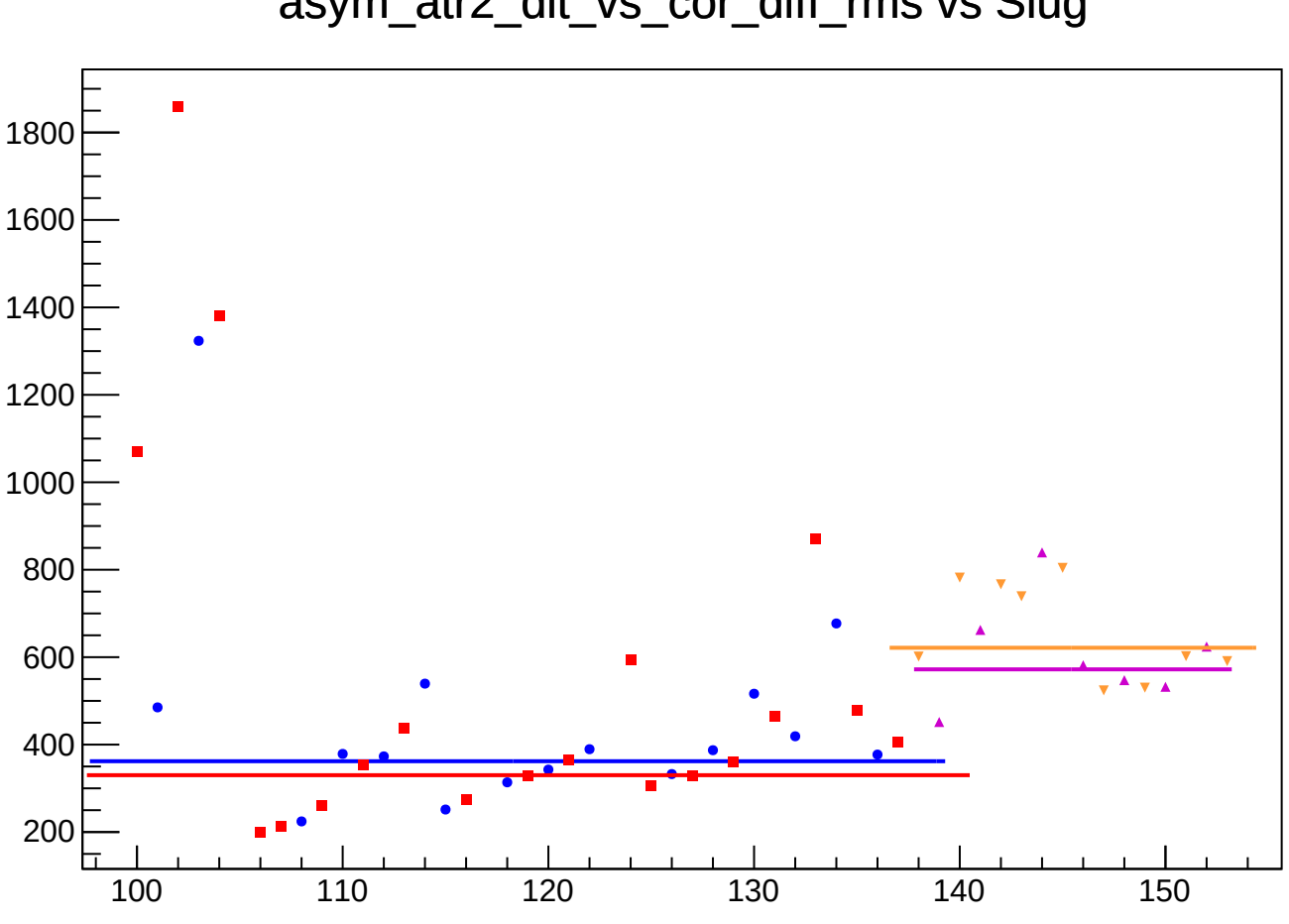
Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.230+/-0.237 χ^2/NDF:9.7/6

+ sign -0.009+/-0.124 χ^2/NDF: 20.5/24

All: -0.047+/-0.086 χ^2/NDF: 56.6/50

- sign -0.082+/-0.119 χ^2/NDF: 35.9/25



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 621.481+/-0.169 χ^2/NDF:336947.1/8

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

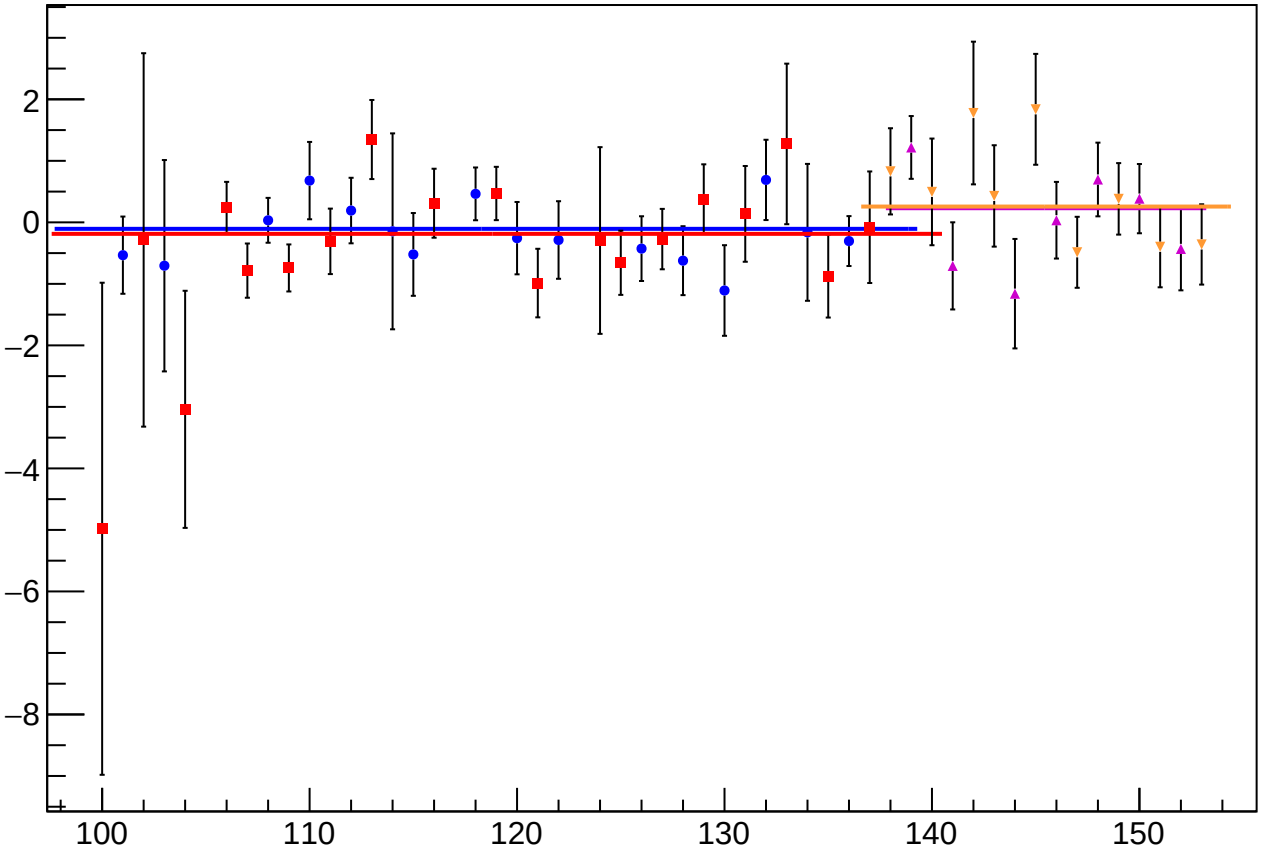
Left In: 572.142+/-0.168 χ^2/NDF:350187.7/6

+ sign 431.390+/-0.088 χ^2/NDF: 3433339.3/24

All: 410.376+/-0.061 χ^2/NDF: 7702952.5/50

- sign 391.018+/-0.084 χ^2/NDF: 4158988.4/25

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.257+/-0.240 χ^2/NDF:9.2/8

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

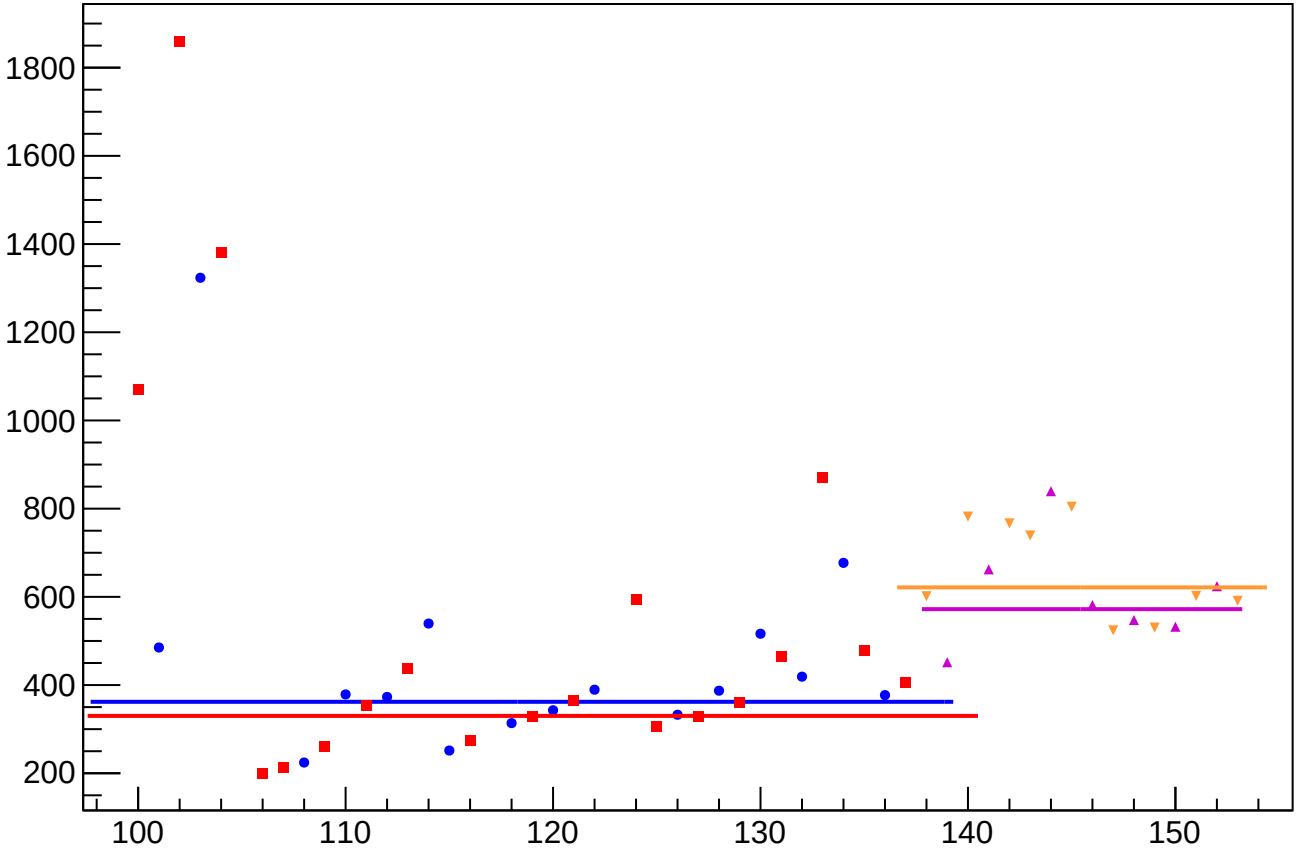
Left In: 0.230+/-0.237 χ^2/NDF:9.7/6

+ sign -0.009+/-0.124 χ^2/NDF: 20.5/24

All: -0.047+/-0.086 χ^2/NDF: 56.6/50

- sign -0.082+/-0.119 χ^2/NDF: 35.9/25

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 621.481+/-0.169 χ^2/NDF:336947.1/8

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

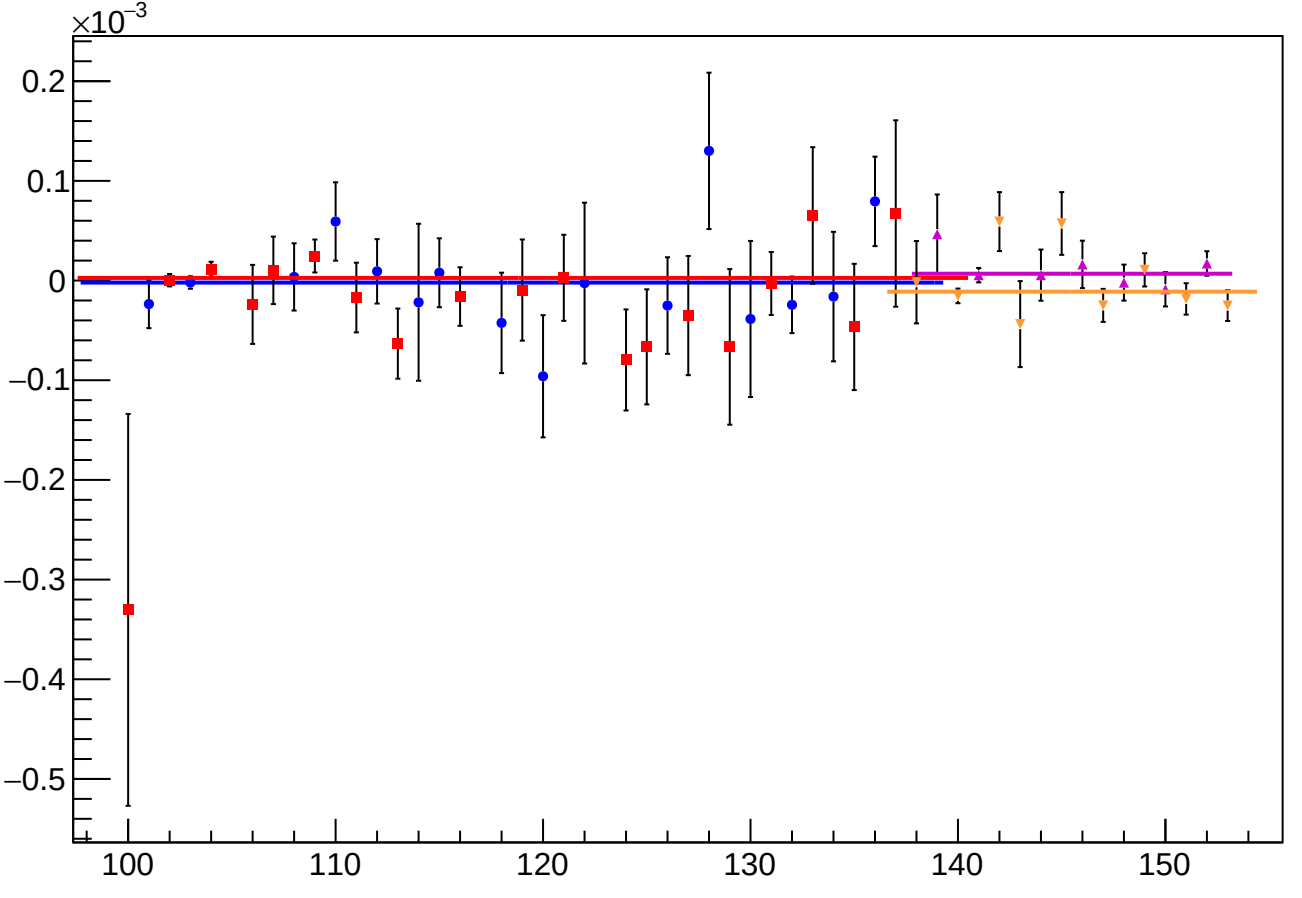
Left In: 572.142+/-0.168 χ^2/NDF:350187.7/6

+ sign 431.390+/-0.088 χ^2/NDF: 3433339.3/24

All: 410.376+/-0.061 χ^2/NDF: 7702952.5/50

- sign 391.018+/-0.084 χ^2/NDF: 4158988.4/25

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

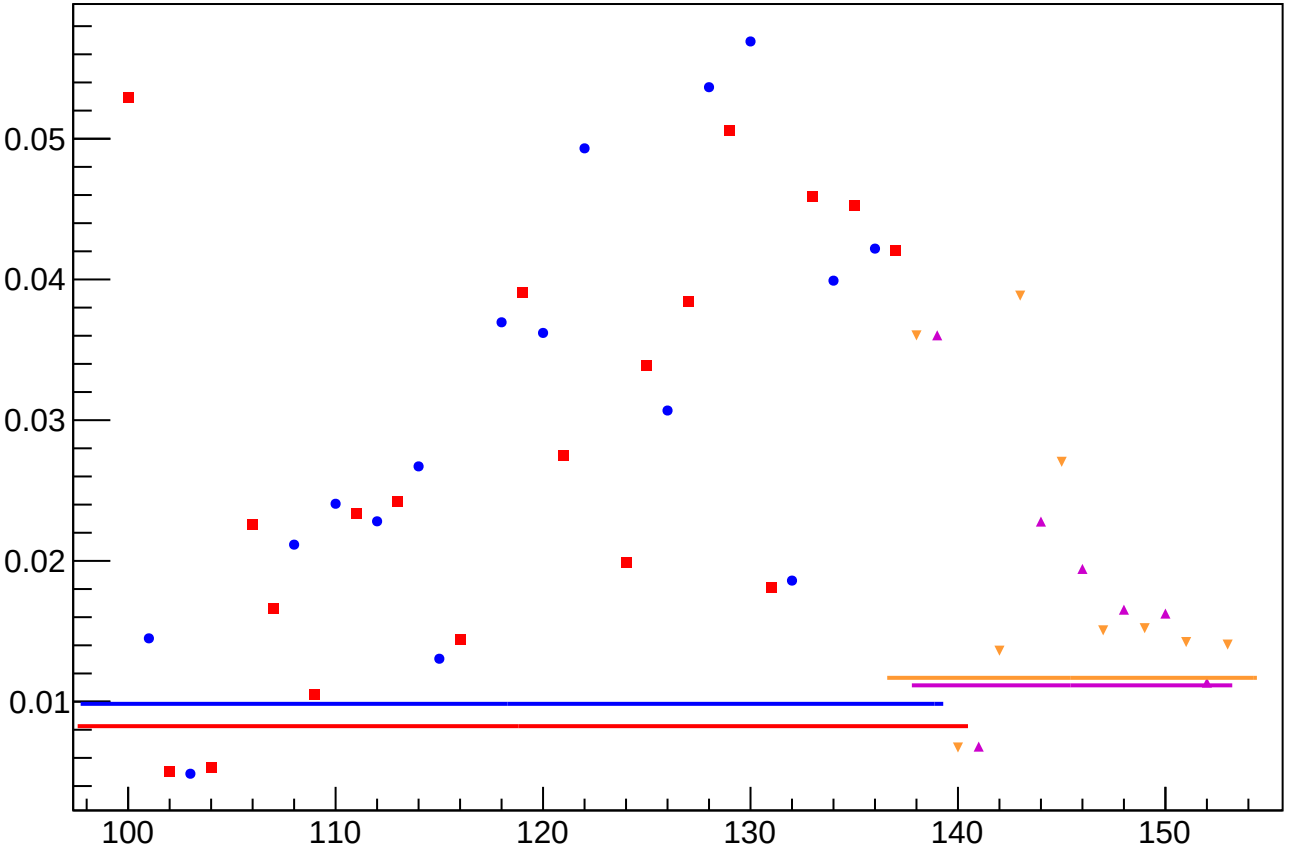
Left In: 0.000+/-0.000 χ^2/NDF:3.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/24

All: -0.000+/-0.000 χ^2/NDF: 56.5/50

- sign 0.000+/-0.000 χ^2/NDF: 21.6/25

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:3150582.5/8

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

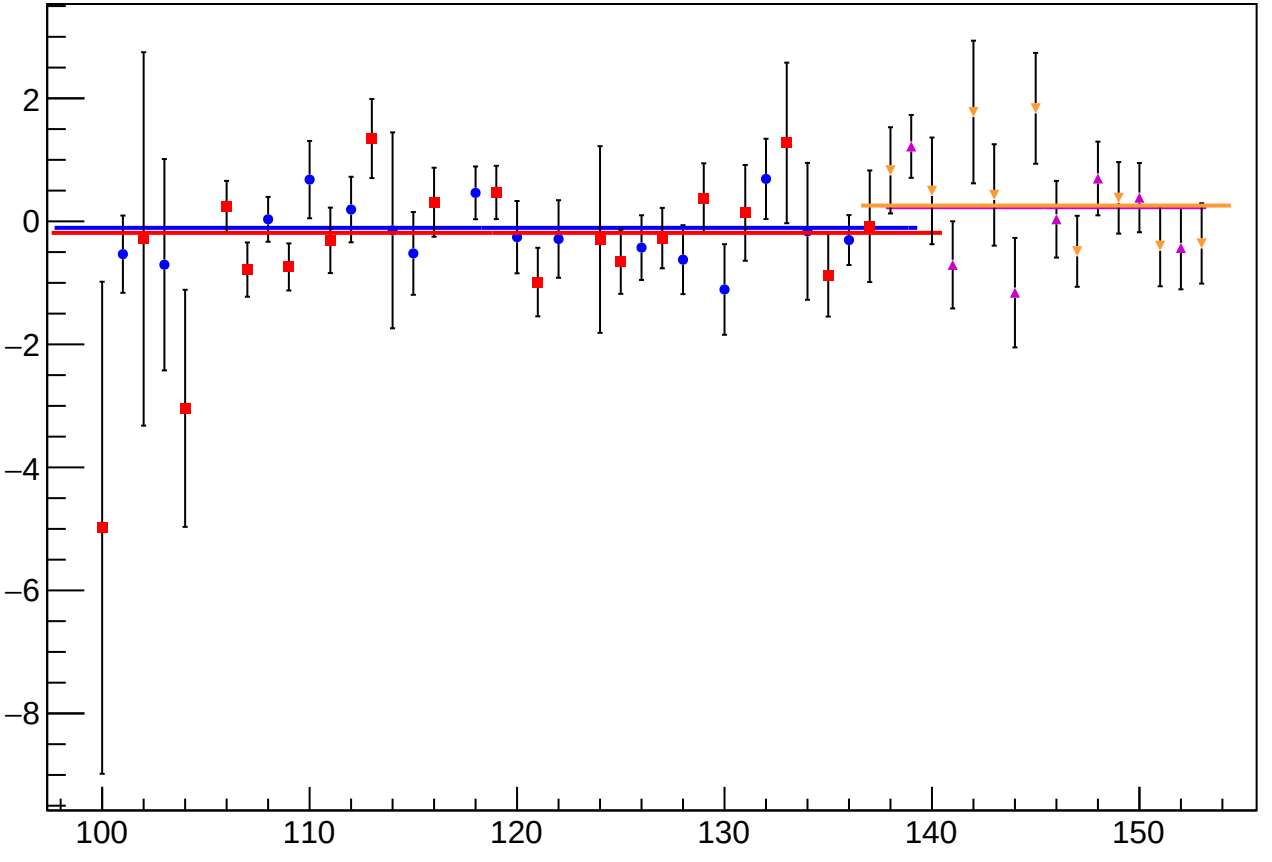
Left In: 0.011+/-0.000 χ^2/NDF:2511441.8/6

+ sign 0.011+/-0.000 χ^2/NDF: 10324768.8/24

All: 0.010+/-0.000 χ^2/NDF: 20107006.5/50

- sign 0.009+/-0.000 χ^2/NDF: 9621326.9/25

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.257+/-0.240 χ^2/NDF:9.2/8

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

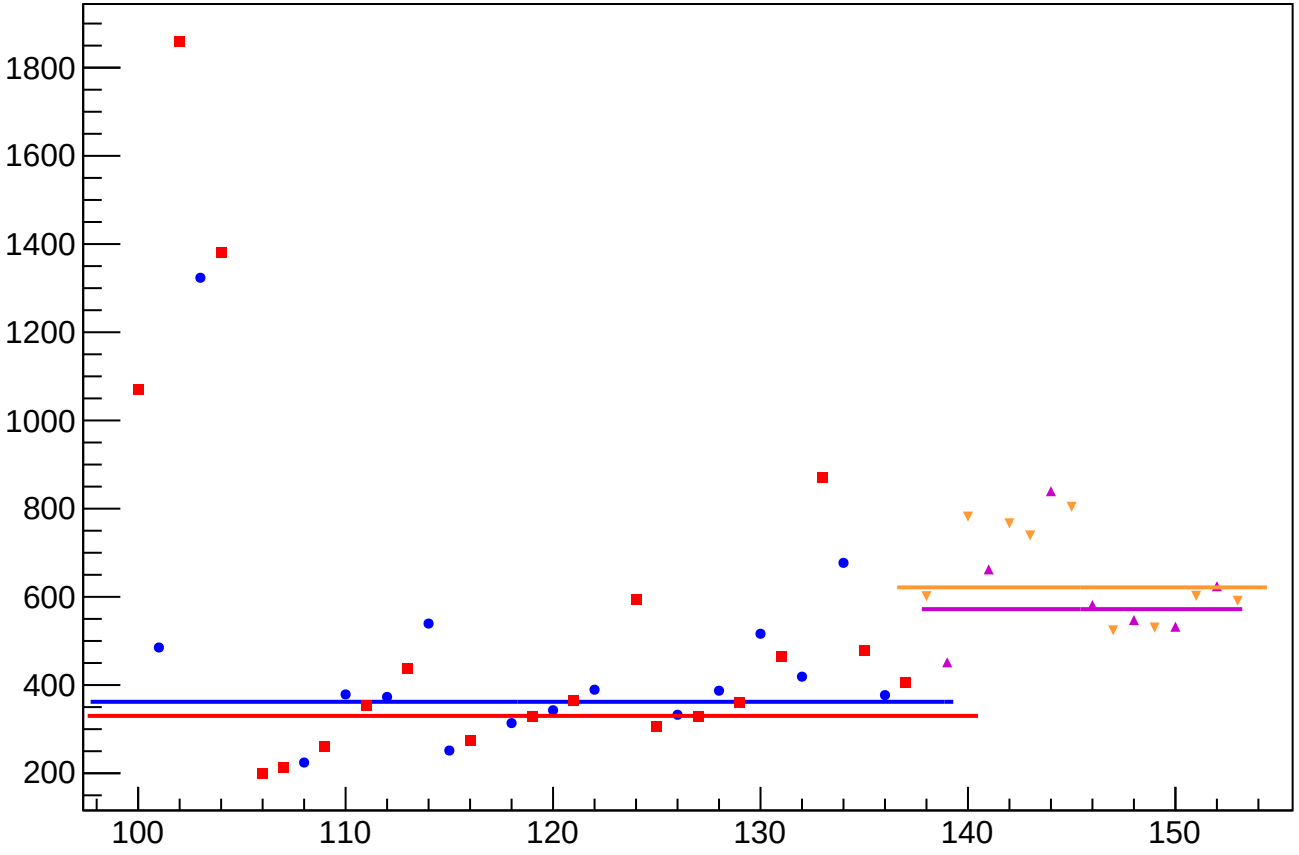
Left In: 0.230+/-0.237 χ^2/NDF:9.7/6

+ sign -0.009+/-0.124 χ^2/NDF: 20.5/24

All: -0.047+/-0.086 χ^2/NDF: 56.6/50

- sign -0.082+/-0.119 χ^2/NDF: 35.9/25

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 621.489+/-0.169 χ^2/NDF:336934.9/8

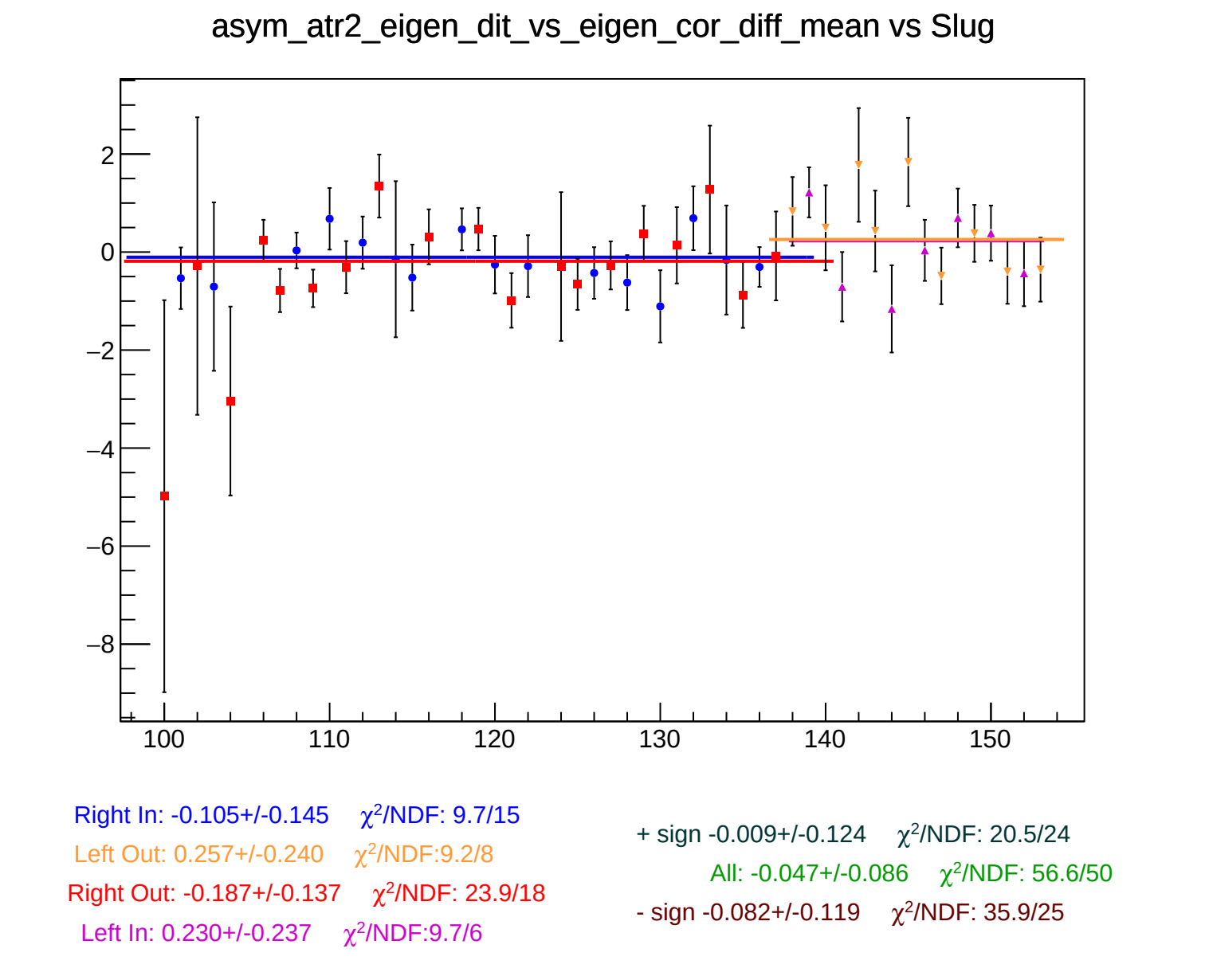
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 572.150+/-0.168 χ^2/NDF:350166.6/6

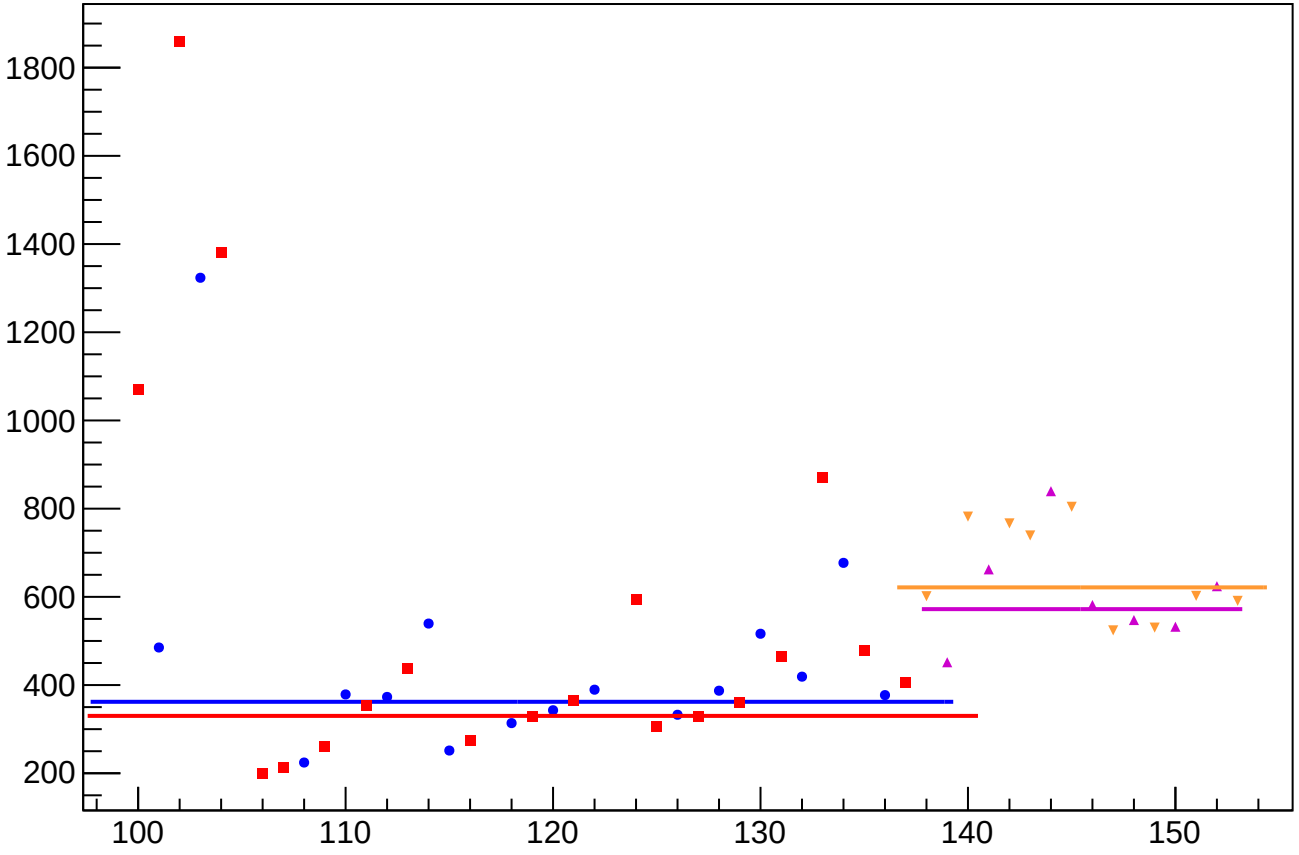
+ sign 431.388+/-0.088 χ^2/NDF: 3433446.4/24

All: 410.375+/-0.061 χ^2/NDF: 7703115.4/50

- sign 391.017+/-0.084 χ^2/NDF: 4159050.5/25


asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.257+/-0.240 χ²/NDF:9.2/8
Right Out: -0.187+/-0.137 χ²/NDF: 23.9/18
Left In: 0.230+/-0.237 χ²/NDF:9.7/6
+ sign -0.009+/-0.124 χ²/NDF: 20.5/24
All: -0.047+/-0.086 χ²/NDF: 56.6/50
- sign -0.082+/-0.119 χ²/NDF: 35.9/25

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 621.489+/-0.169 χ^2/NDF:336934.9/8

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

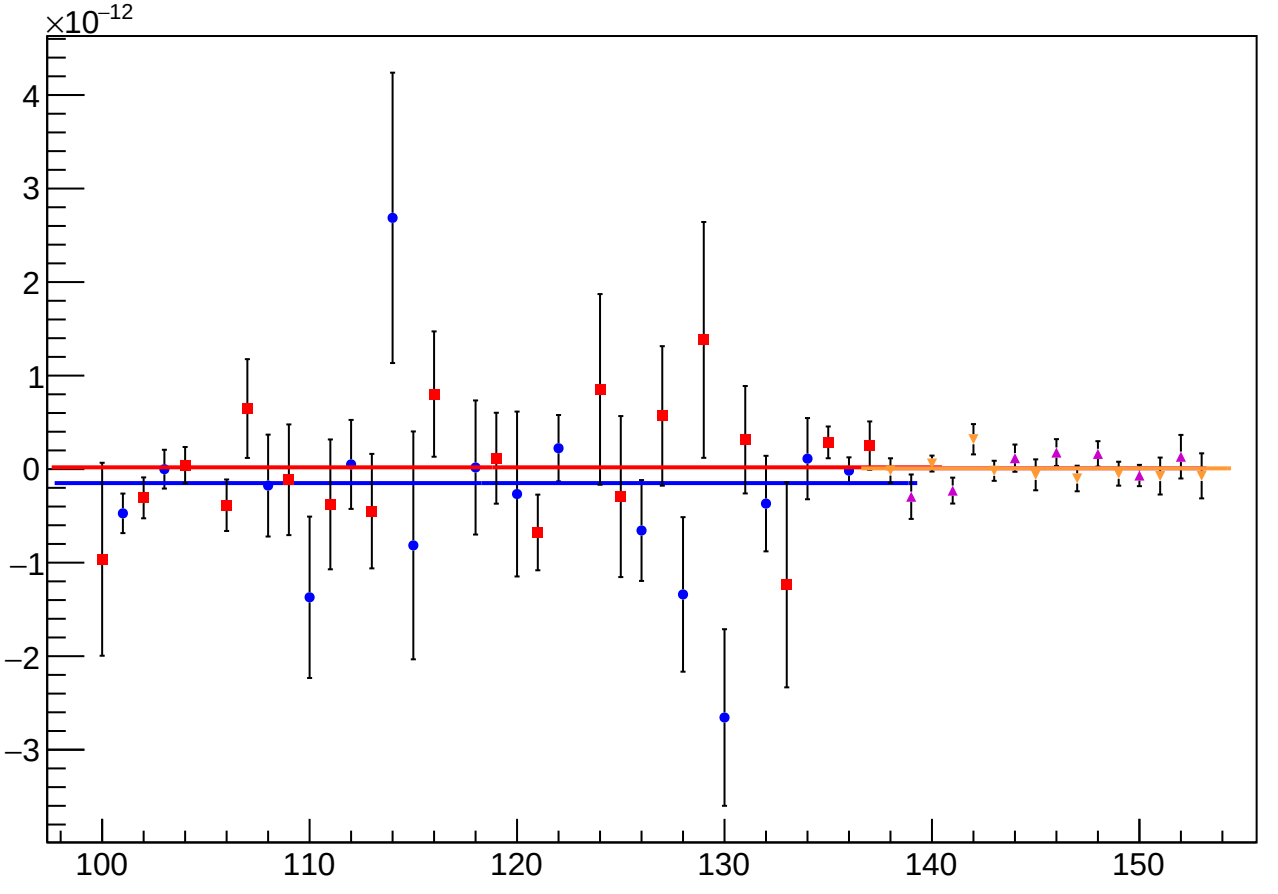
Left In: 572.150+/-0.168 χ^2/NDF:350166.6/6

+ sign 431.388+/-0.088 χ^2/NDF: 3433446.4/24

All: 410.375+/-0.061 χ^2/NDF: 7703115.4/50

- sign 391.017+/-0.084 χ^2/NDF: 4159050.5/25

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

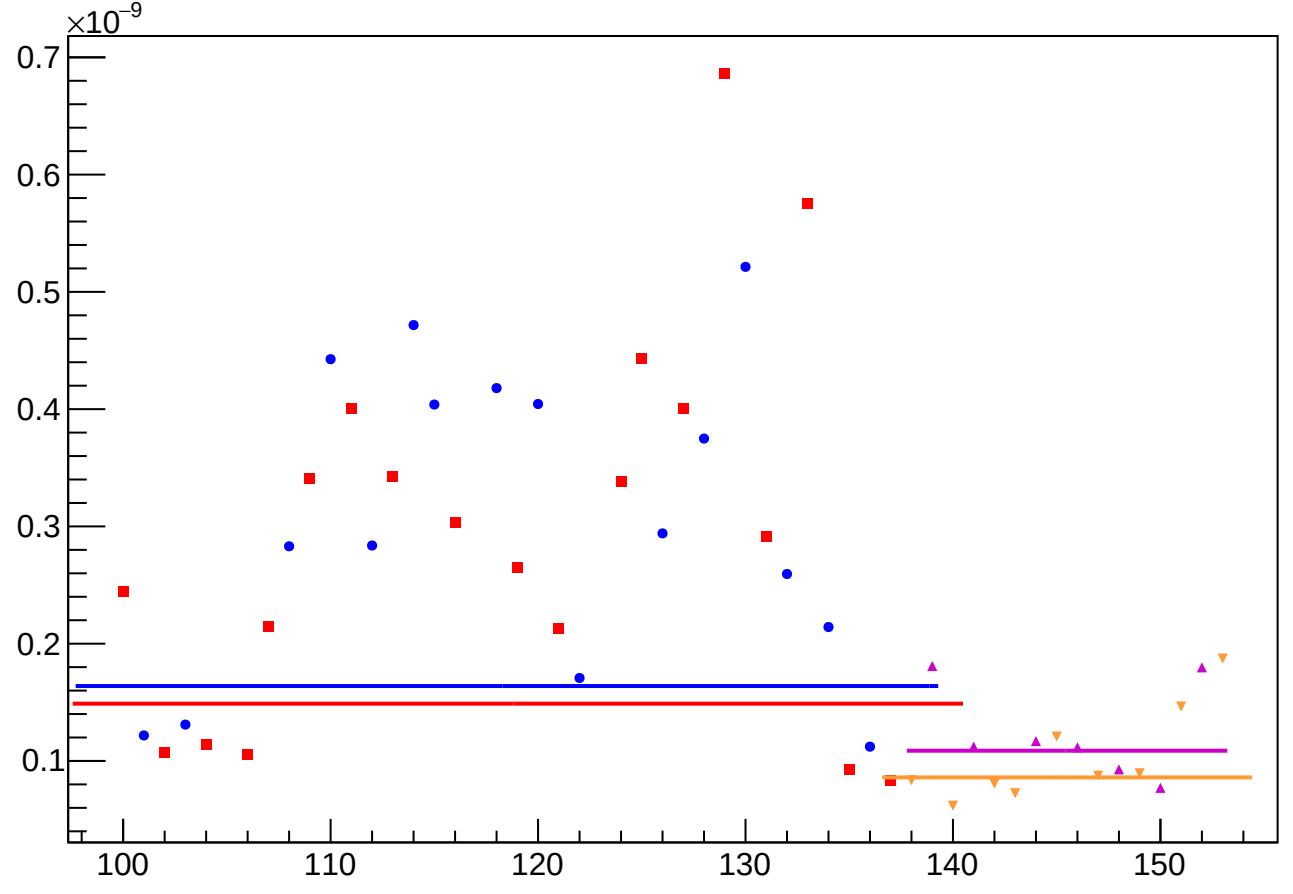
Left In: 0.000+/-0.000 χ^2/NDF:8.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/24

All: -0.000+/-0.000 χ^2/NDF: 57.6/50

- sign 0.000+/-0.000 χ^2/NDF: 28.0/25

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:826655.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

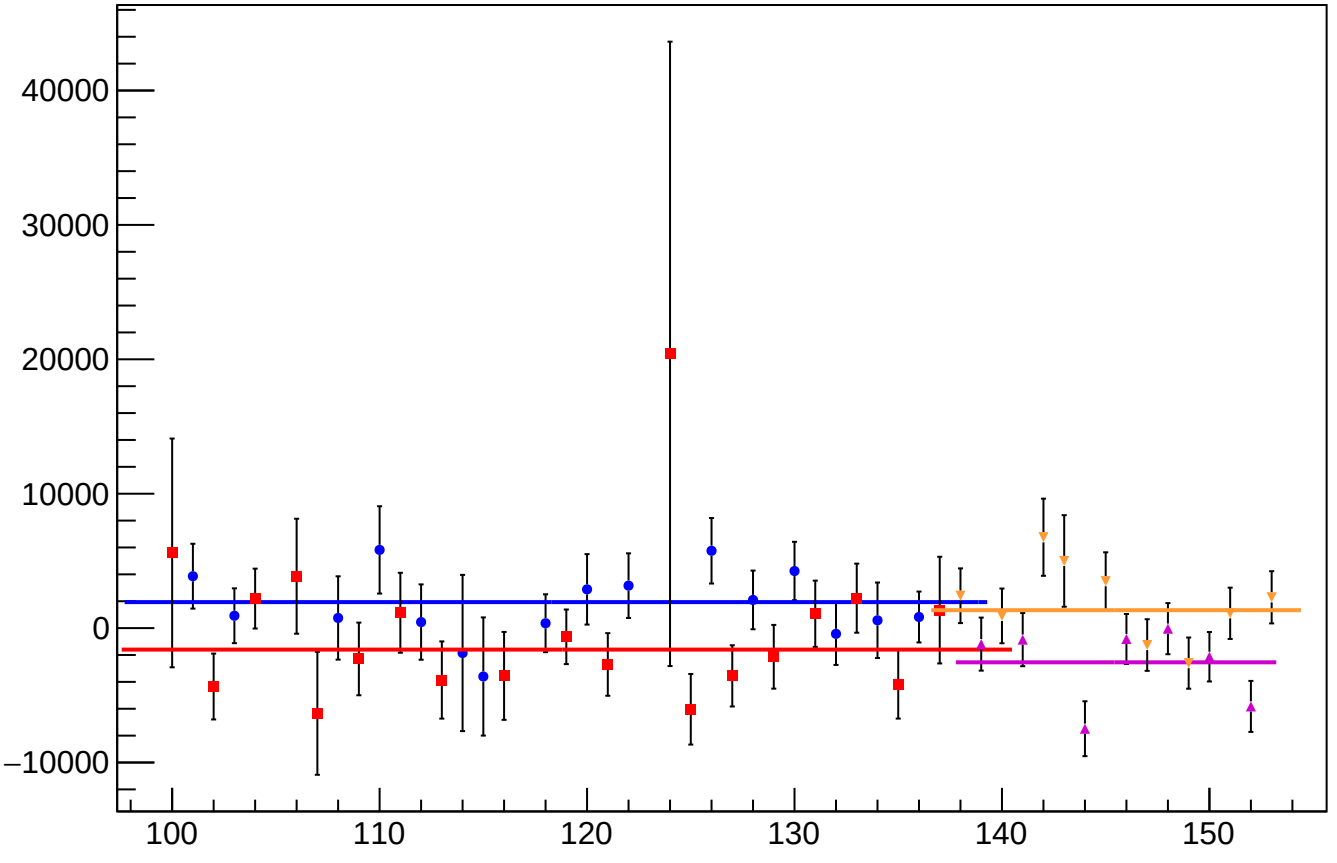
Left In: 0.000+/-0.000 χ^2/NDF:561767.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 4107926.2/24

All: 0.000+/-0.000 χ^2/NDF: 8037129.5/50

- sign 0.000+/-0.000 χ^2/NDF: 3725233.5/25

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1333.546+/-708.159 χ^2/NDF:12.4/8

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

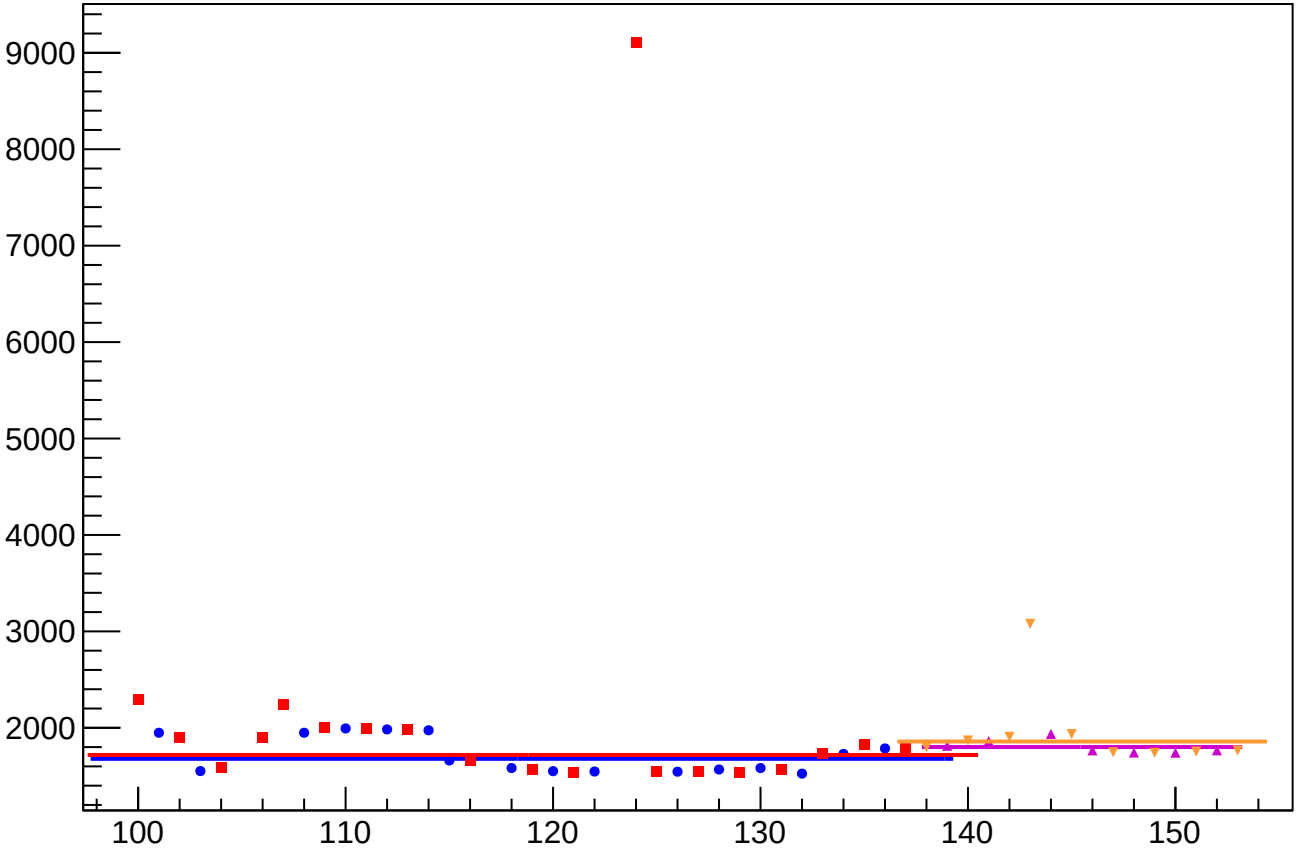
Left In: -2544.861+/-727.224 χ^2/NDF:12.7/6

+ sign 1670.148+/-469.806 χ^2/NDF: 23.7/24

All: -126.565+/-336.218 χ^2/NDF: 86.7/50

- sign -2012.850+/-481.374 χ^2/NDF: 33.1/25

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1858.009+/-0.501 χ^2/NDF:286421.6/8

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

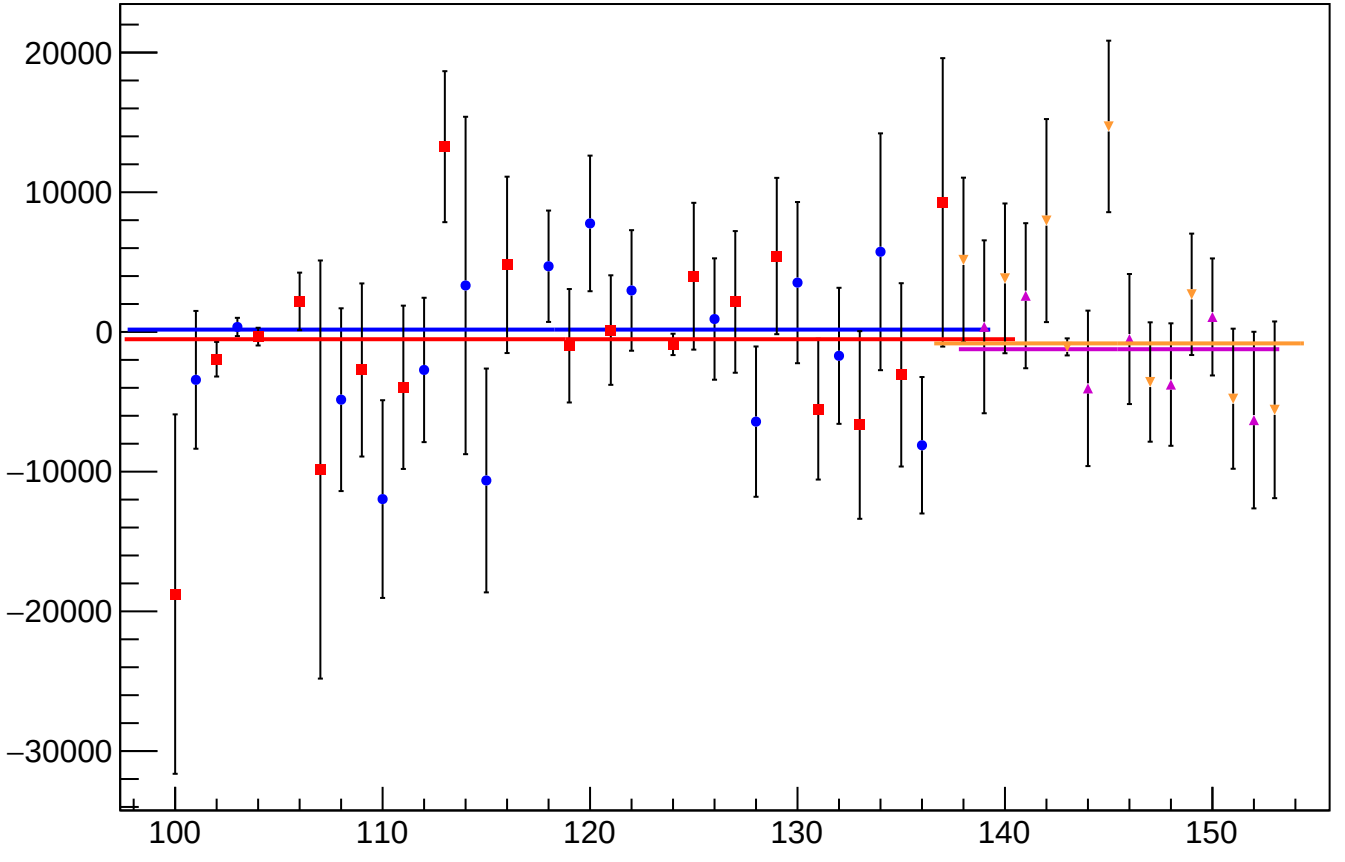
Left In: 1800.407+/-0.514 χ^2/NDF:16085.9/6

+ sign 1757.530+/-0.332 χ^2/NDF: 499820.3/24

All: 1755.848+/-0.237 χ^2/NDF: 913517.3/50

- sign 1754.091+/-0.339 χ^2/NDF: 413644.6/25

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -819.506+/-580.686 χ^2/NDF:12.1/8

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

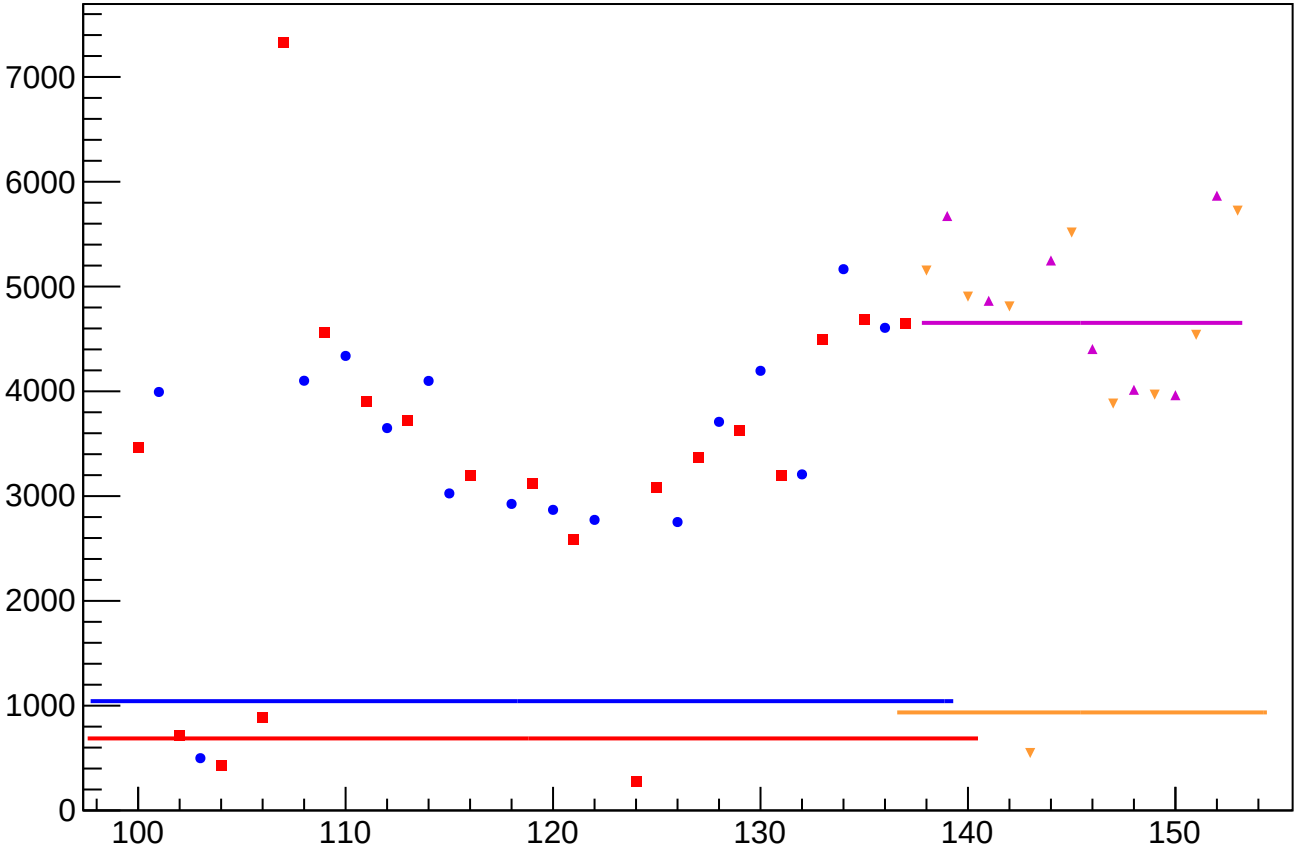
Left In: -1235.877+/-1904.355 χ^2/NDF:2.2/6

+ sign -334.813+/-414.414 χ^2/NDF: 29.3/24

All: -444.839+/-293.099 χ^2/NDF: 50.3/50

- sign -554.959+/-414.594 χ^2/NDF: 20.8/25

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 935.562+/-0.411 χ^2/NDF:8714866.8/8

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

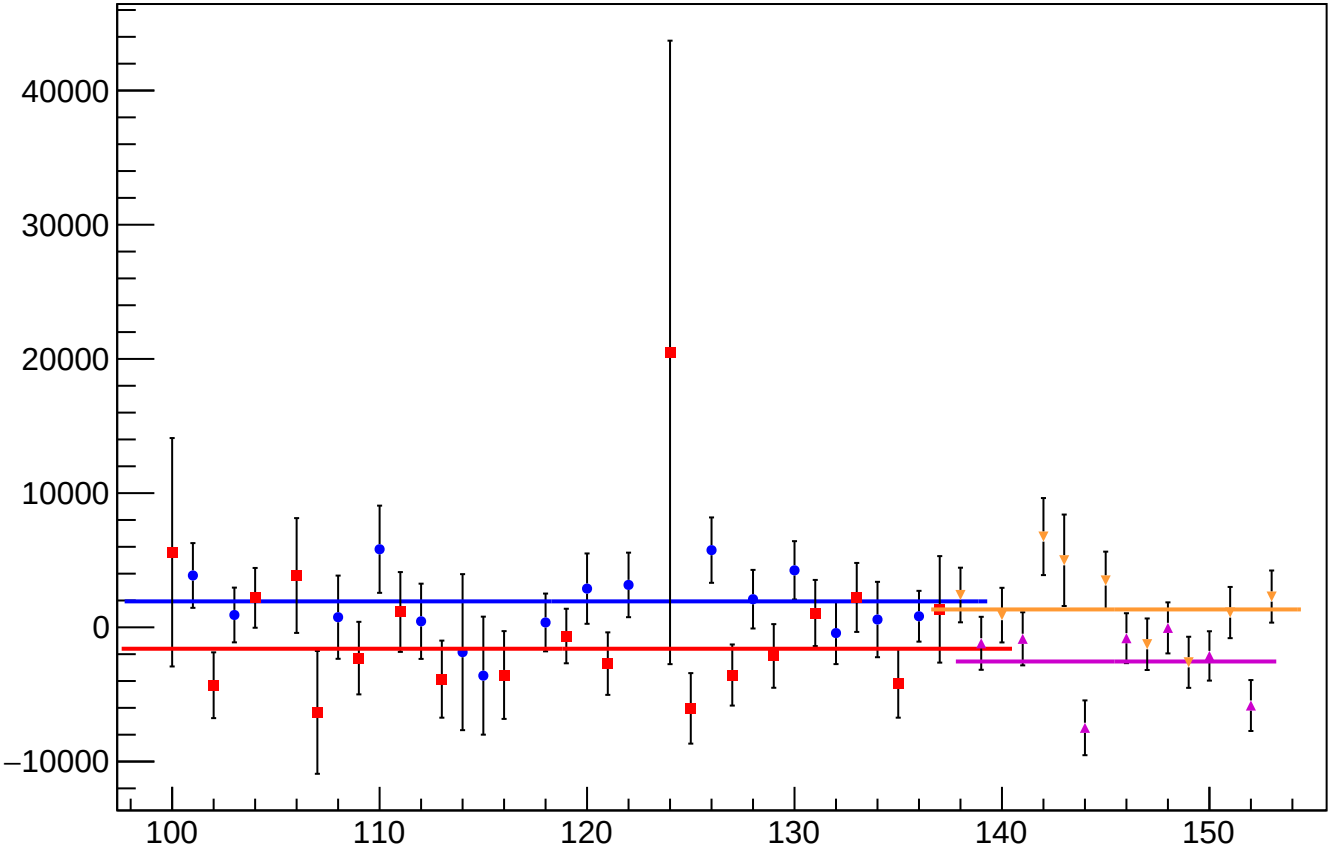
Left In: 4653.279+/-1.347 χ^2/NDF:256777.2/6

+ sign 988.338+/-0.293 χ^2/NDF: 16860431.9/24

All: 931.845+/-0.207 χ^2/NDF: 34086155.8/50

- sign 875.303+/-0.293 χ^2/NDF: 17151359.3/25

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1333.459+/-708.159 χ^2/NDF:12.4/8

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

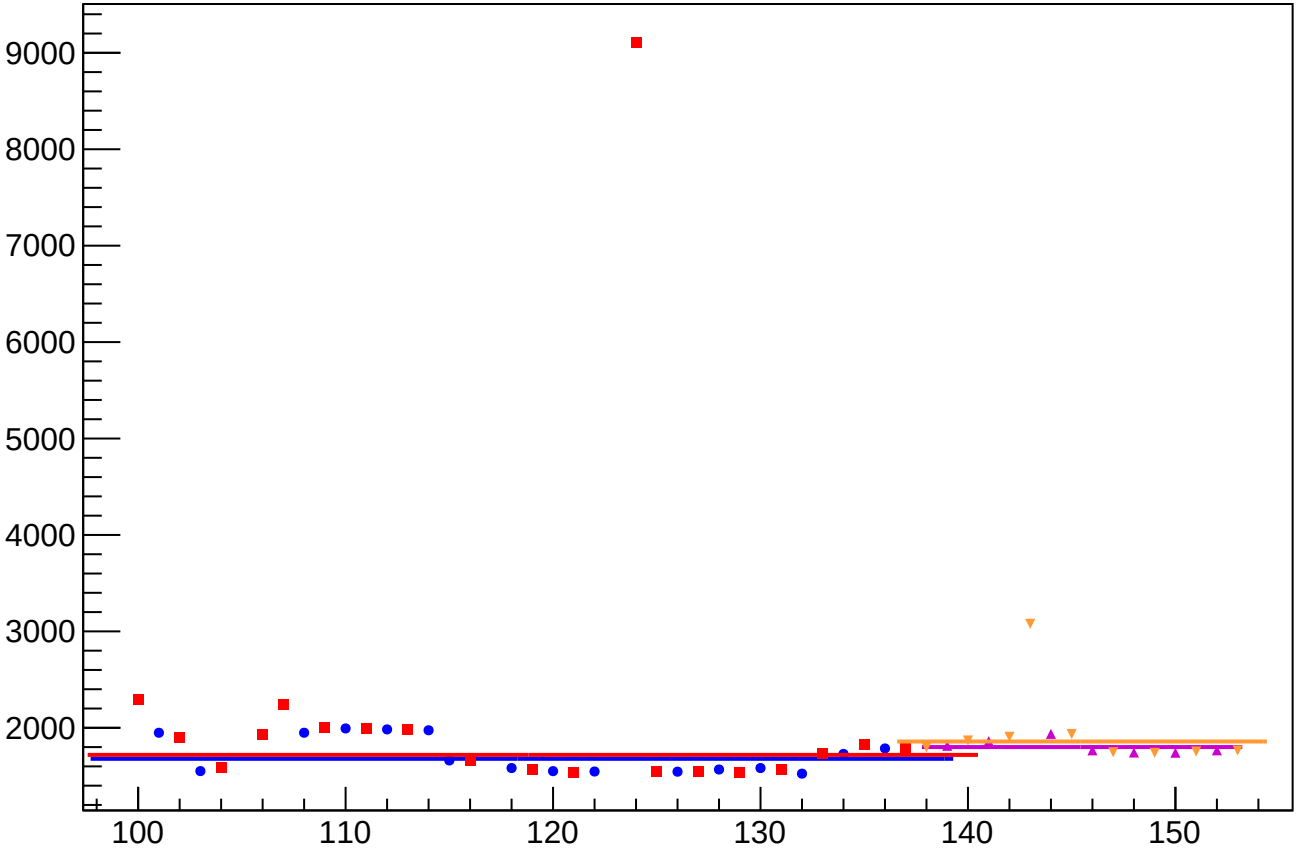
Left In: -2545.065+/-727.224 χ^2/NDF:12.7/6

+ sign 1670.175+/-469.806 χ^2/NDF: 23.7/24

All: -125.921+/-336.219 χ^2/NDF: 86.7/50

- sign -2011.573+/-481.376 χ^2/NDF: 33.0/25

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1858.009+/-0.501 χ^2/NDF:286421.6/8

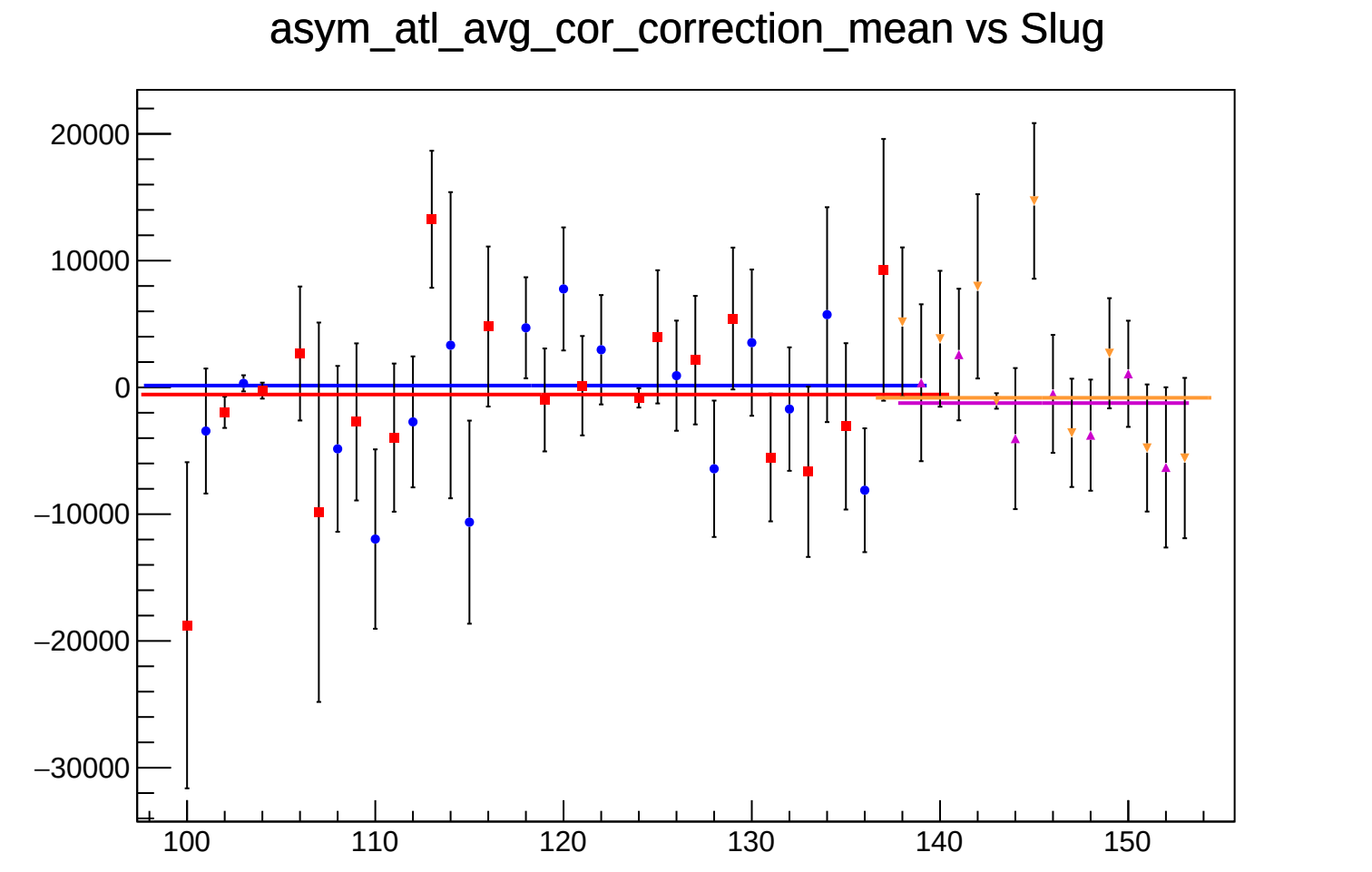
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1800.407+/-0.514 χ^2/NDF:16085.9/6

+ sign 1757.530+/-0.332 χ^2/NDF: 499820.5/24

All: 1756.088+/-0.237 χ^2/NDF: 914949.8/50

- sign 1754.582+/-0.340 χ^2/NDF: 415090.8/25



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -819.159+/-580.664 χ^2/NDF:12.1/8

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

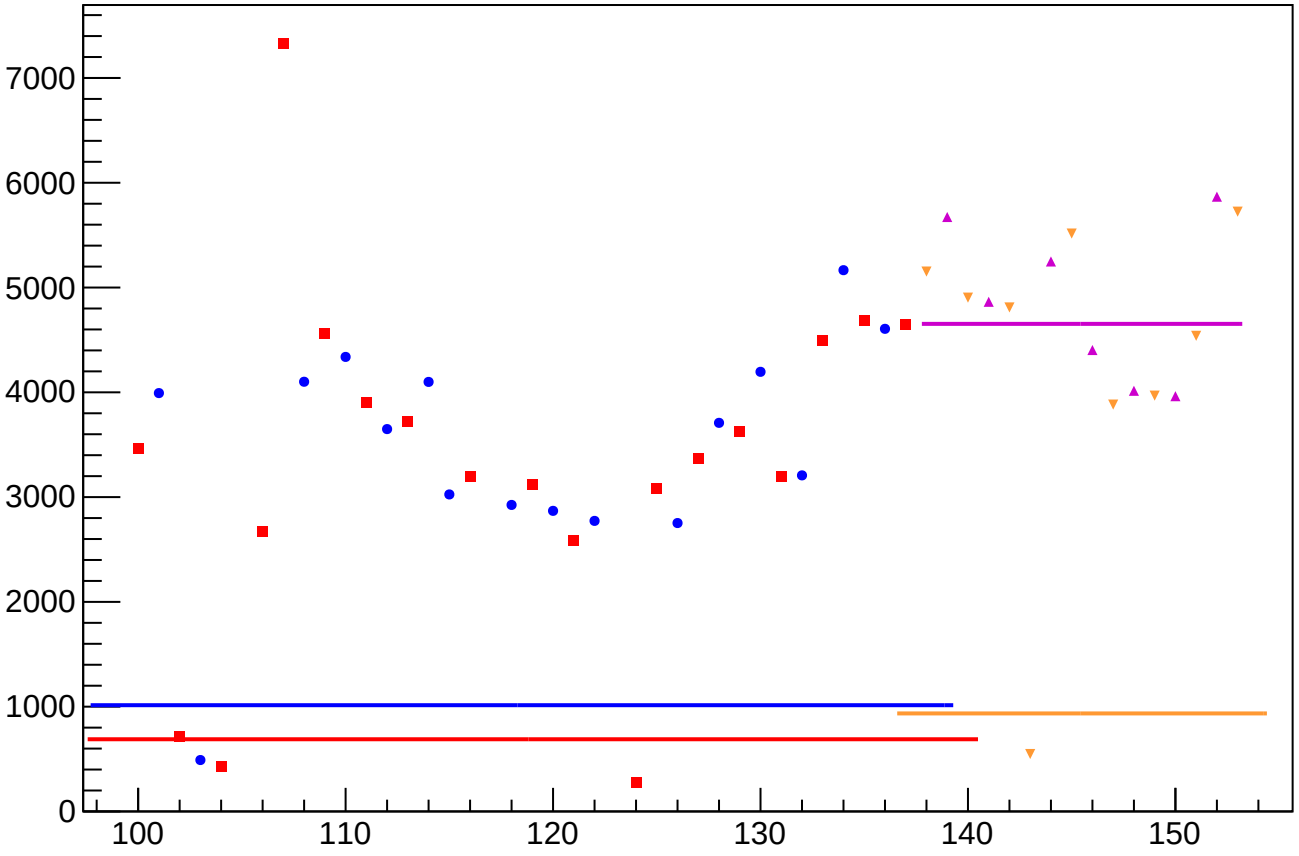
Left In: -1235.981+/-1904.352 χ^2/NDF:2.2/6

+ sign -335.217+/-410.128 χ^2/NDF: 29.3/24

All: -461.657+/-293.438 χ^2/NDF: 49.0/50

- sign -594.267+/-420.017 χ^2/NDF: 19.5/25

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 935.513+/-0.411 χ^2/NDF:8715028.0/8

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

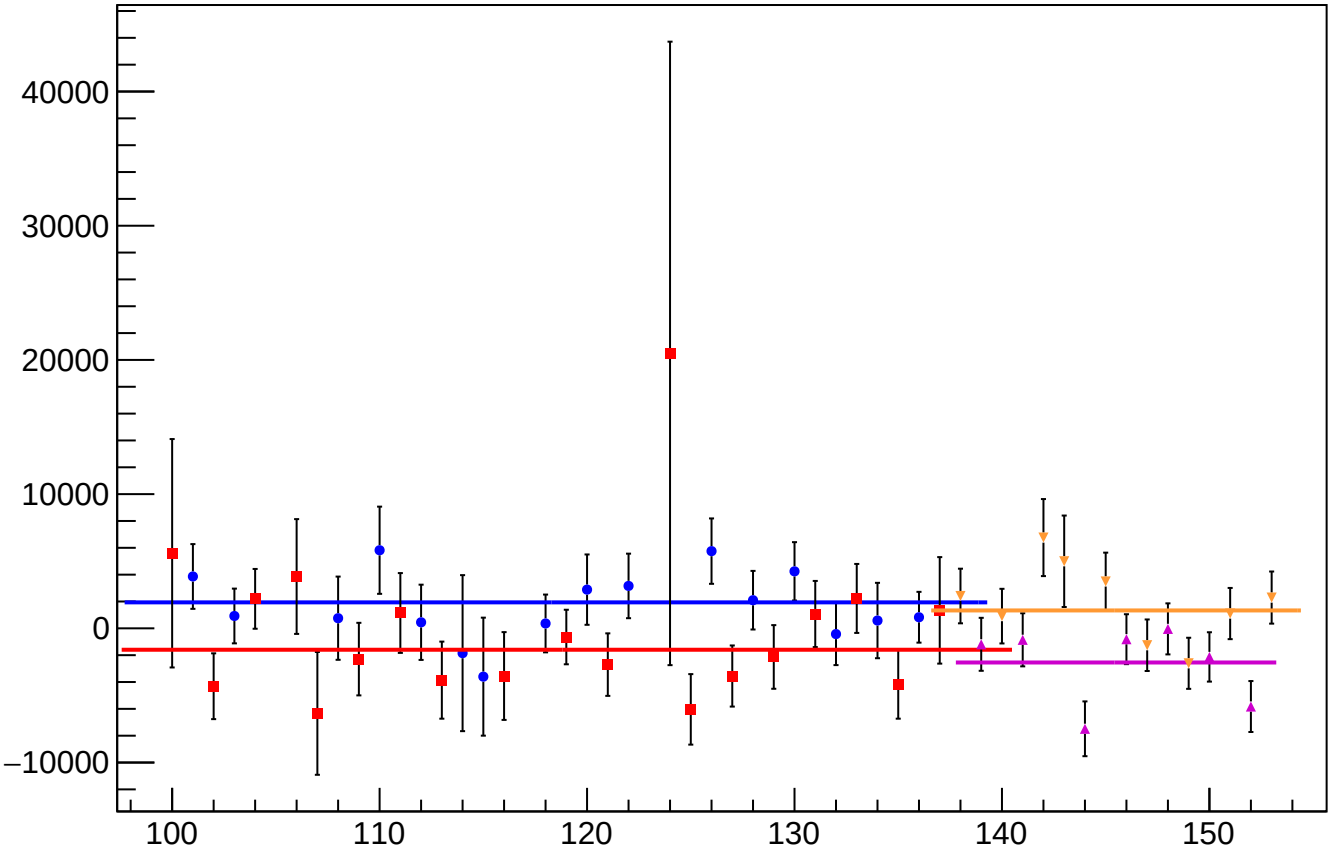
Left In: 4653.271+/-1.347 χ^2/NDF:256781.7/6

+ sign 974.892+/-0.290 χ^2/NDF: 16956401.1/24

All: 929.501+/-0.207 χ^2/NDF: 34418778.1/50

- sign 881.894+/-0.297 χ^2/NDF: 17412184.5/25

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1333.459+/-708.159 χ^2/NDF:12.4/8

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

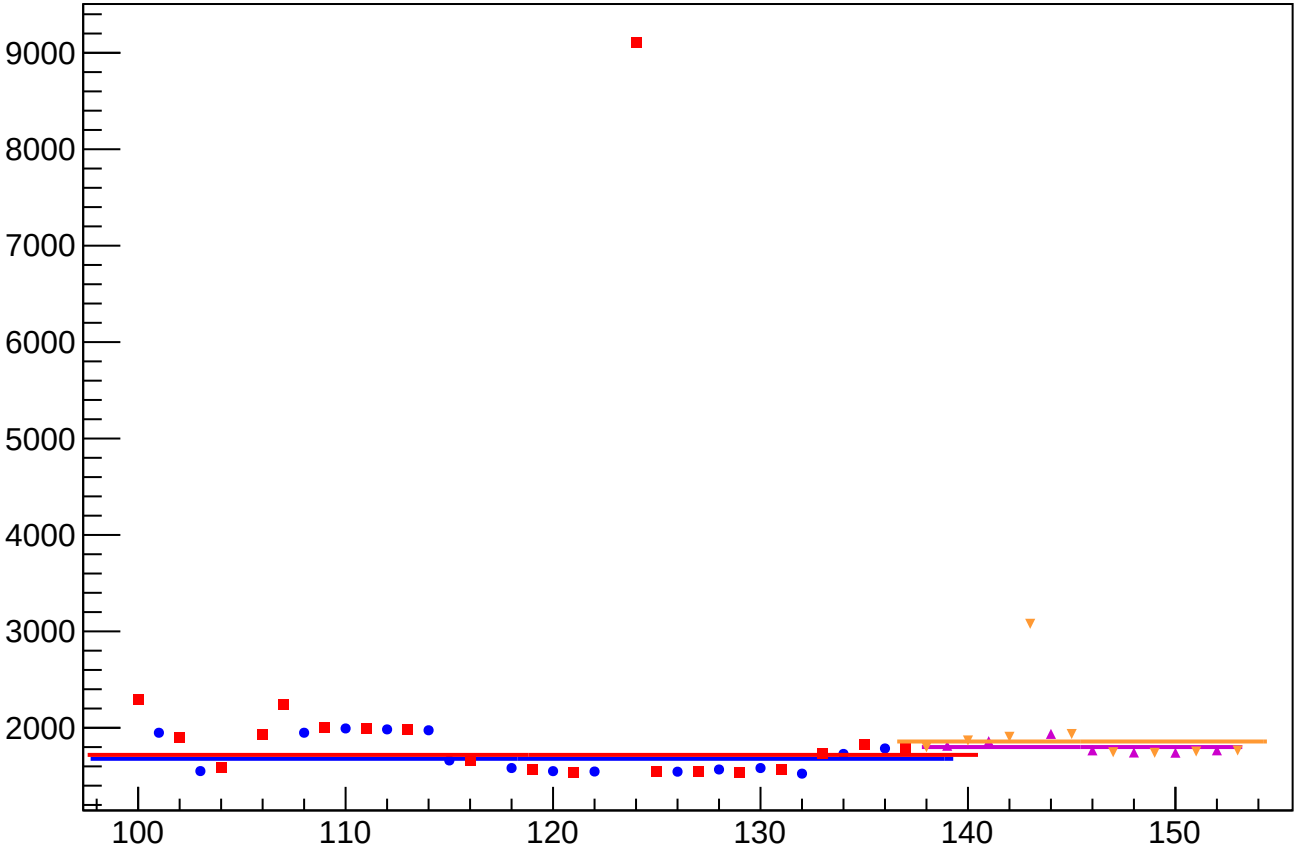
Left In: -2545.065+/-727.224 χ^2/NDF:12.7/6

+ sign 1670.175+/-469.806 χ^2/NDF: 23.7/24

All: -125.921+/-336.219 χ^2/NDF: 86.7/50

- sign -2011.573+/-481.376 χ^2/NDF: 33.0/25

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1858.009+/-0.501 χ^2/NDF:286421.6/8

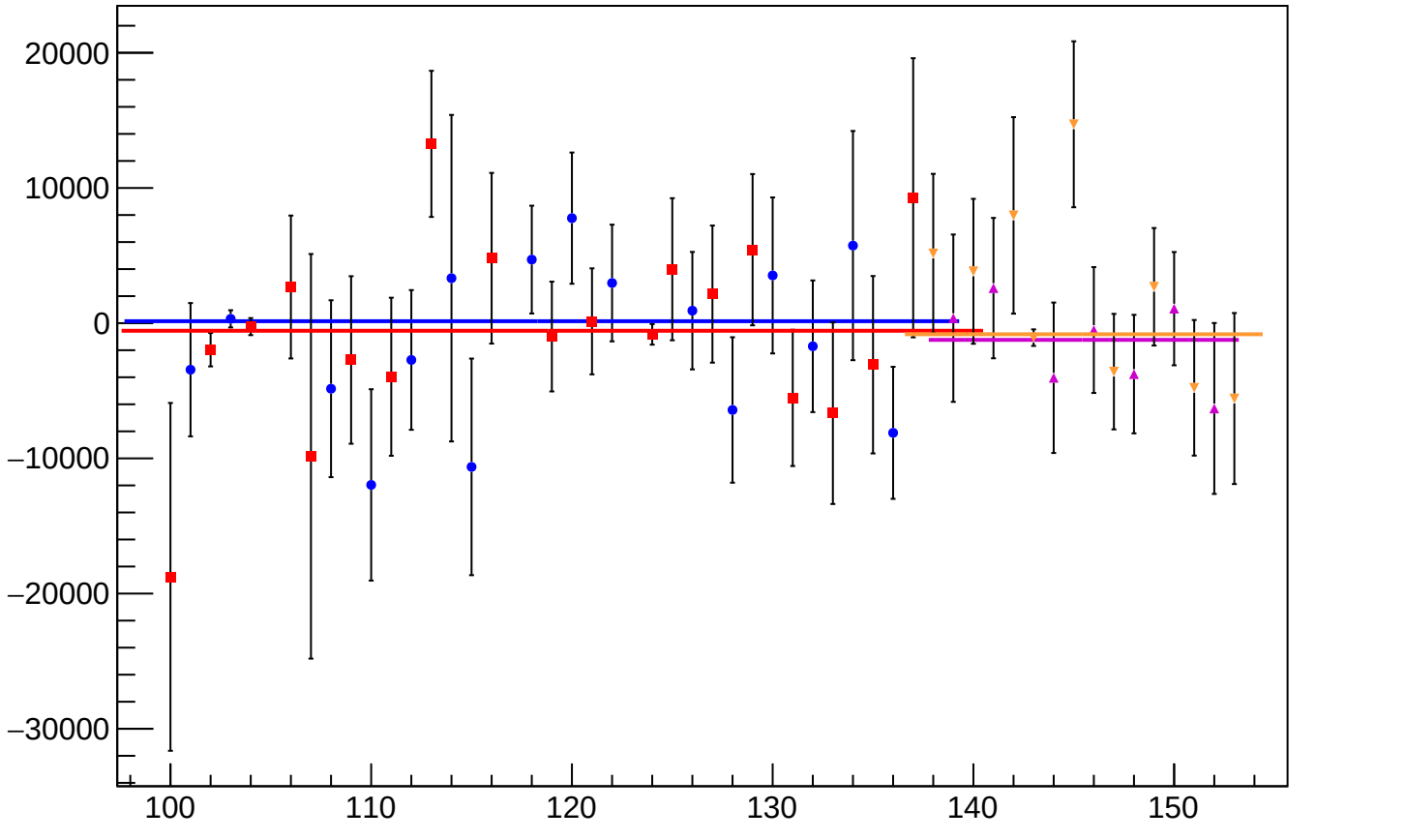
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1800.407+/-0.514 χ^2/NDF:16085.9/6

+ sign 1757.530+/-0.332 χ^2/NDF: 499820.5/24

All: 1756.088+/-0.237 χ^2/NDF: 914949.8/50

- sign 1754.582+/-0.340 χ^2/NDF: 415090.8/25



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -819.159+/-580.664 χ^2/NDF:12.1/8

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

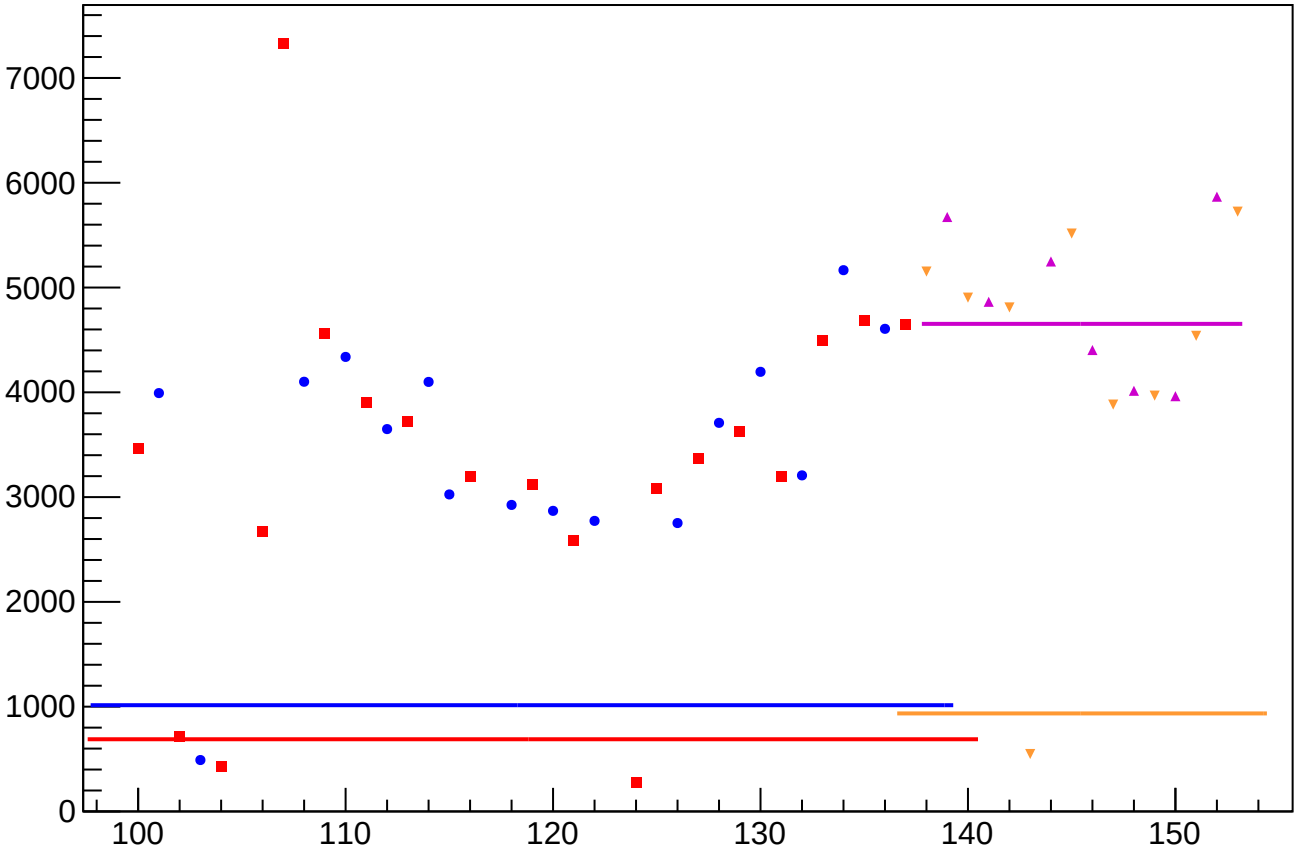
Left In: -1235.981+/-1904.352 χ^2/NDF:2.2/6

\+ sign -335.217+/-410.128 χ^2/NDF: 29.3/24

All: -461.657+/-293.438 χ^2/NDF: 49.0/50

\- sign -594.267+/-420.017 χ^2/NDF: 19.5/25

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 935.513+/-0.411 χ^2/NDF:8715028.0/8

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

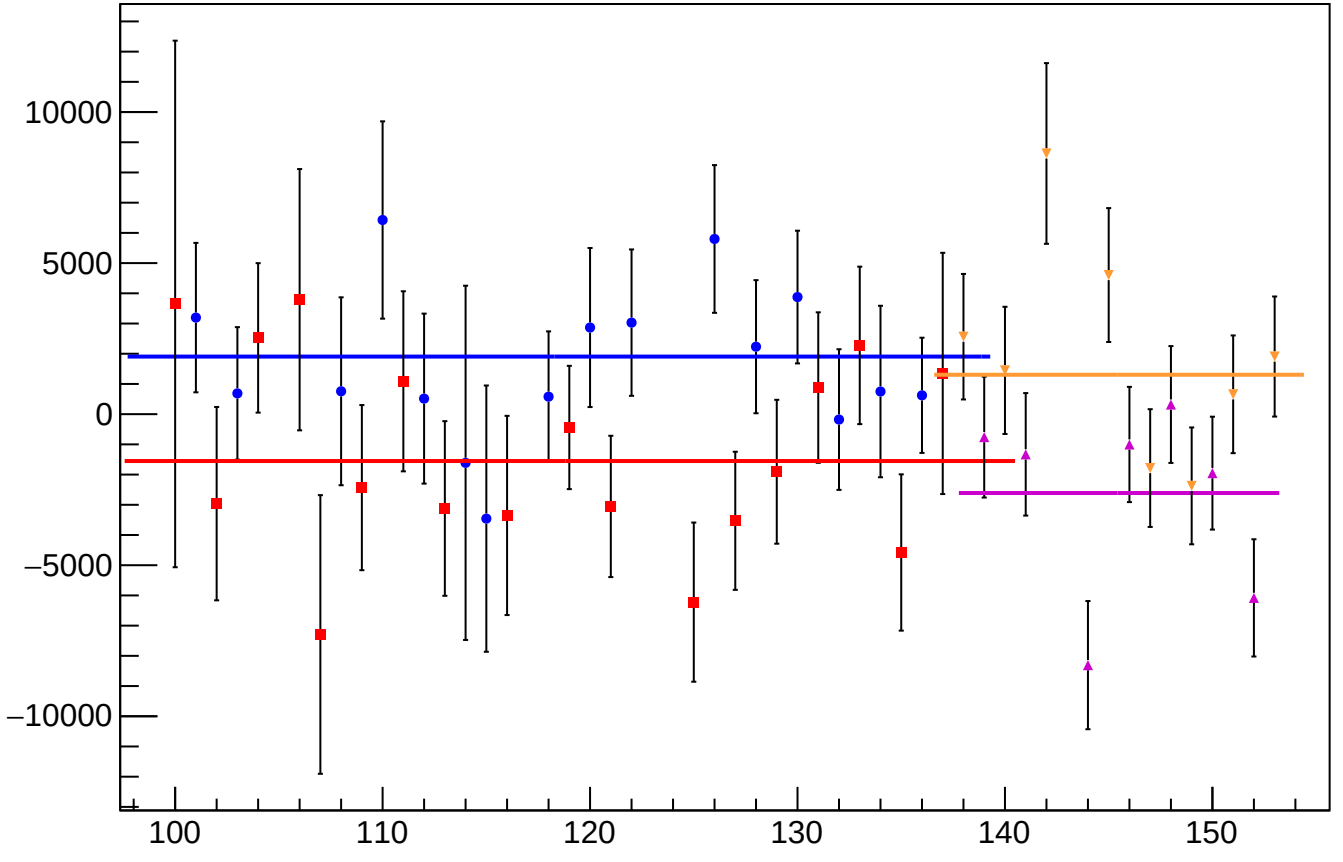
Left In: 4653.271+/-1.347 χ^2/NDF:256781.7/6

+ sign 974.892+/-0.290 χ^2/NDF: 16956401.1/24

All: 929.501+/-0.207 χ^2/NDF: 34418778.1/50

- sign 881.894+/-0.297 χ^2/NDF: 17412184.5/25

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1304.728+/-741.209 χ^2/NDF:14.9/7

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

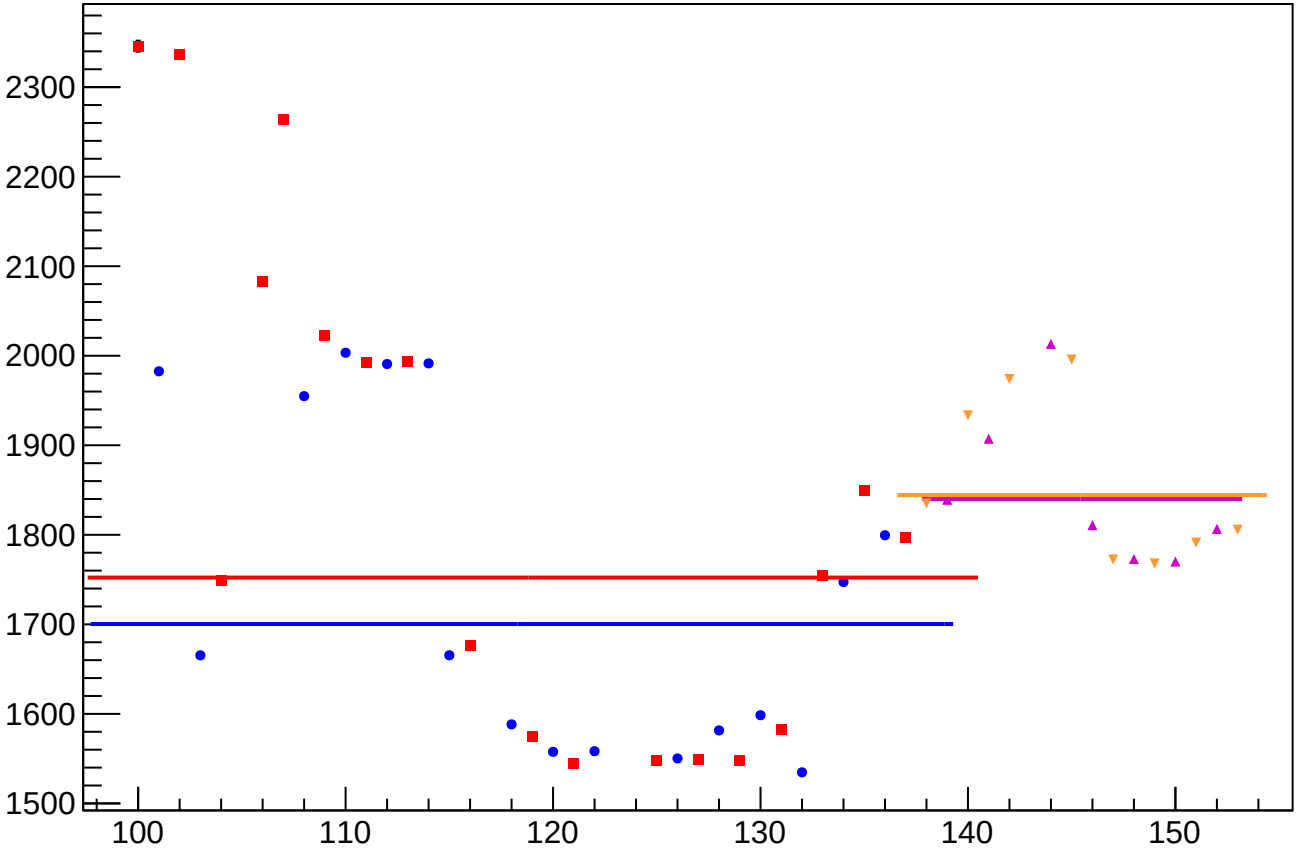
Left In: -2609.962+/-743.418 χ^2/NDF:14.8/6

+ sign 1650.949+/-482.858 χ^2/NDF: 25.5/23

All: -141.973+/-345.304 χ^2/NDF: 87.1/48

- sign -2018.585+/-493.999 χ^2/NDF: 33.4/24

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1844.400+/-0.524 χ^2/NDF:24794.3/7

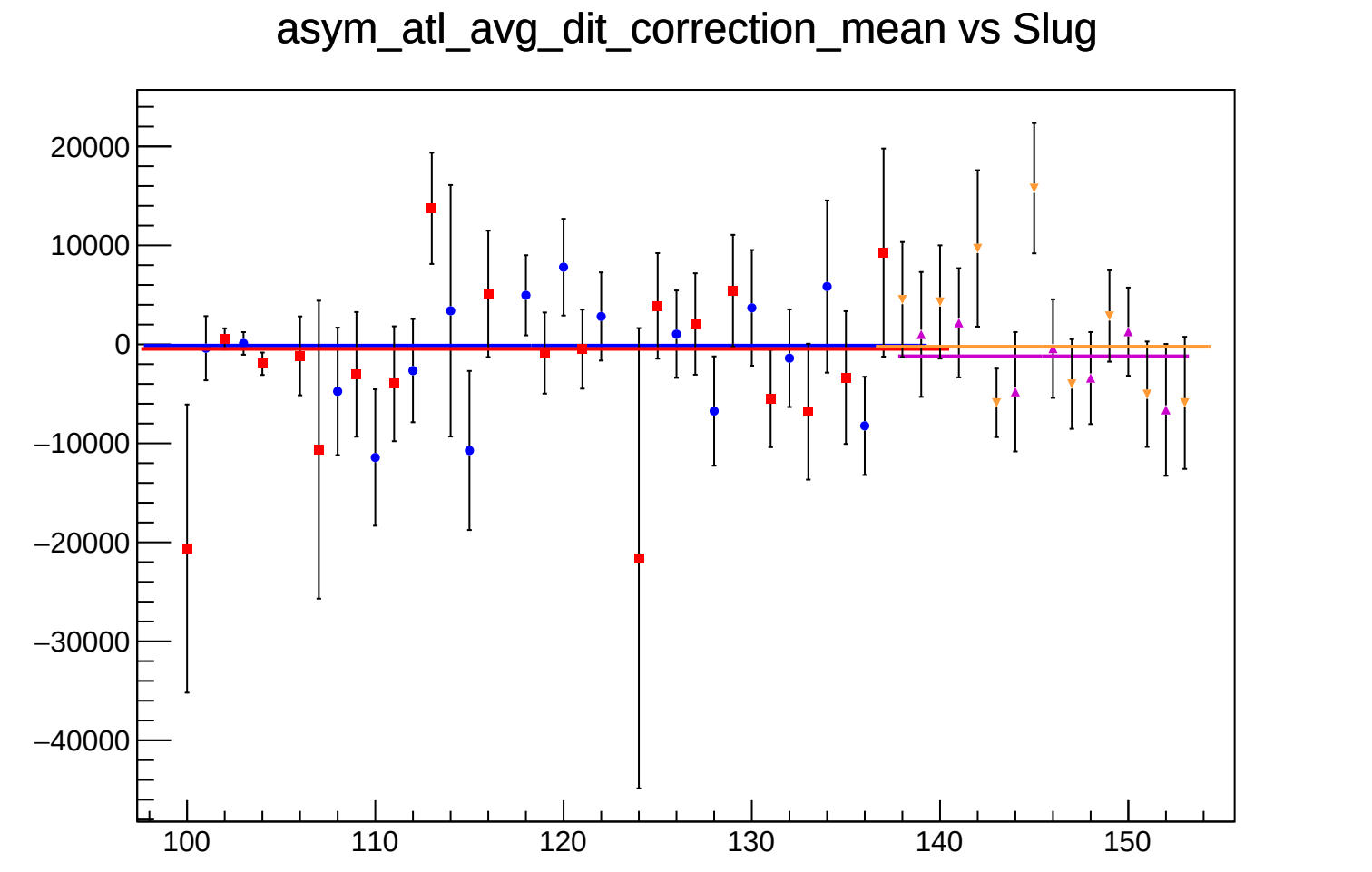
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1839.929+/-0.526 χ^2/NDF:21793.4/6

+ sign 1761.486+/-0.341 χ^2/NDF: 203691.3/23

All: 1775.857+/-0.244 χ^2/NDF: 492629.5/48

- sign 1790.860+/-0.349 χ^2/NDF: 285317.2/24



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -236.945+/-1725.102 χ^2/NDF:14.2/8

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

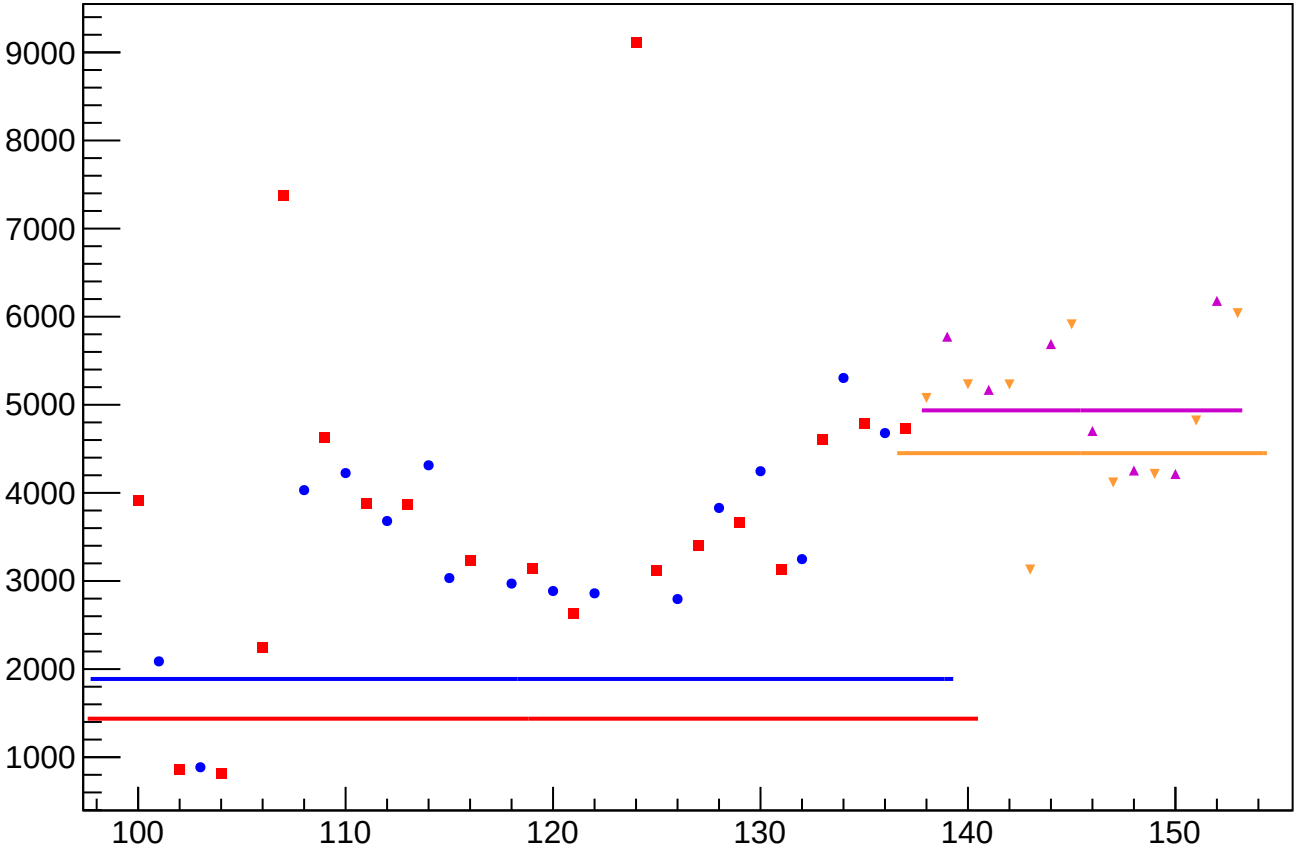
Left In: -1203.446+/-2019.287 χ^2/NDF:2.1/6

+ sign -147.974+/-775.128 χ^2/NDF: 29.2/24

All: -377.051+/-495.217 χ^2/NDF: 50.1/50

- sign -535.042+/-643.723 χ^2/NDF: 20.7/25

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4451.005+/-1.220 χ^2/NDF:608713.0/8

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

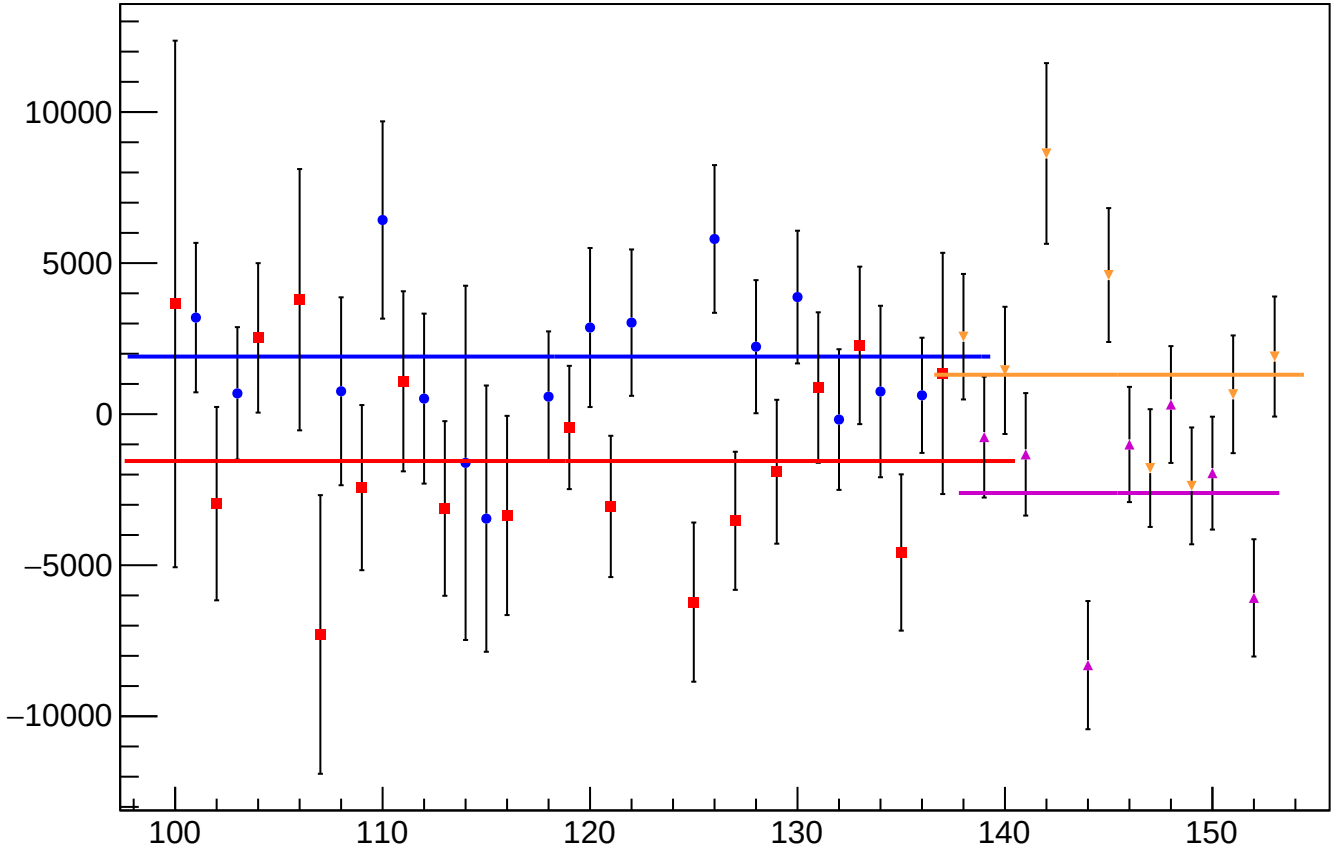
Left In: 4936.642+/-1.428 χ^2/NDF:239947.2/6

+ sign 2405.446+/-0.548 χ^2/NDF: 8557804.5/24

All: 2042.836+/-0.350 χ^2/NDF: 20897992.5/5

- sign 1792.749+/-0.455 χ^2/NDF: 11600634.0/25

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1304.734+/-741.210 χ^2/NDF:14.9/7

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

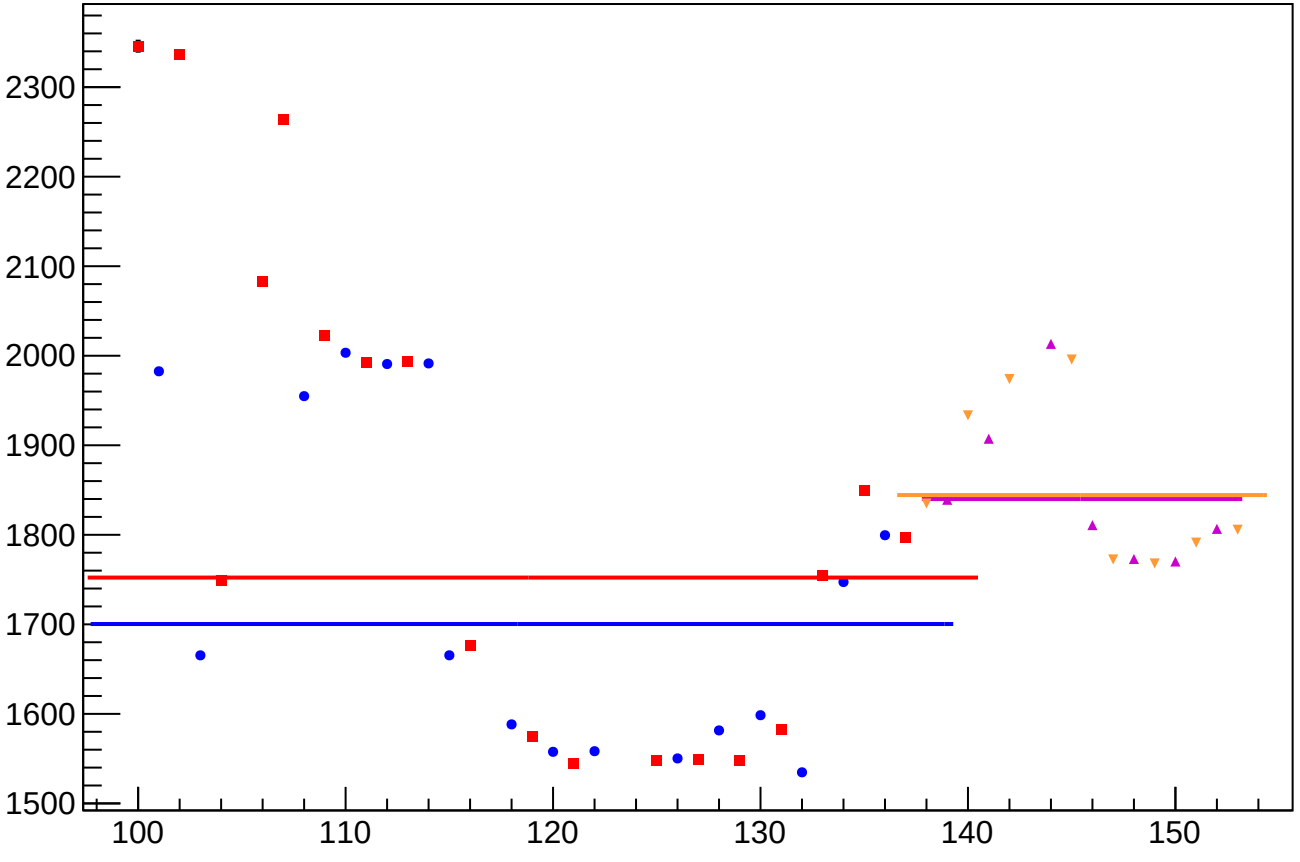
Left In: -2609.963+/-743.418 χ^2/NDF:14.8/6

+ sign 1650.950+/-482.859 χ^2/NDF: 25.5/23

All: -141.972+/-345.304 χ^2/NDF: 87.1/48

- sign -2018.583+/-493.999 χ^2/NDF: 33.4/24

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1844.401+/-0.524 χ^2/NDF:24794.8/7

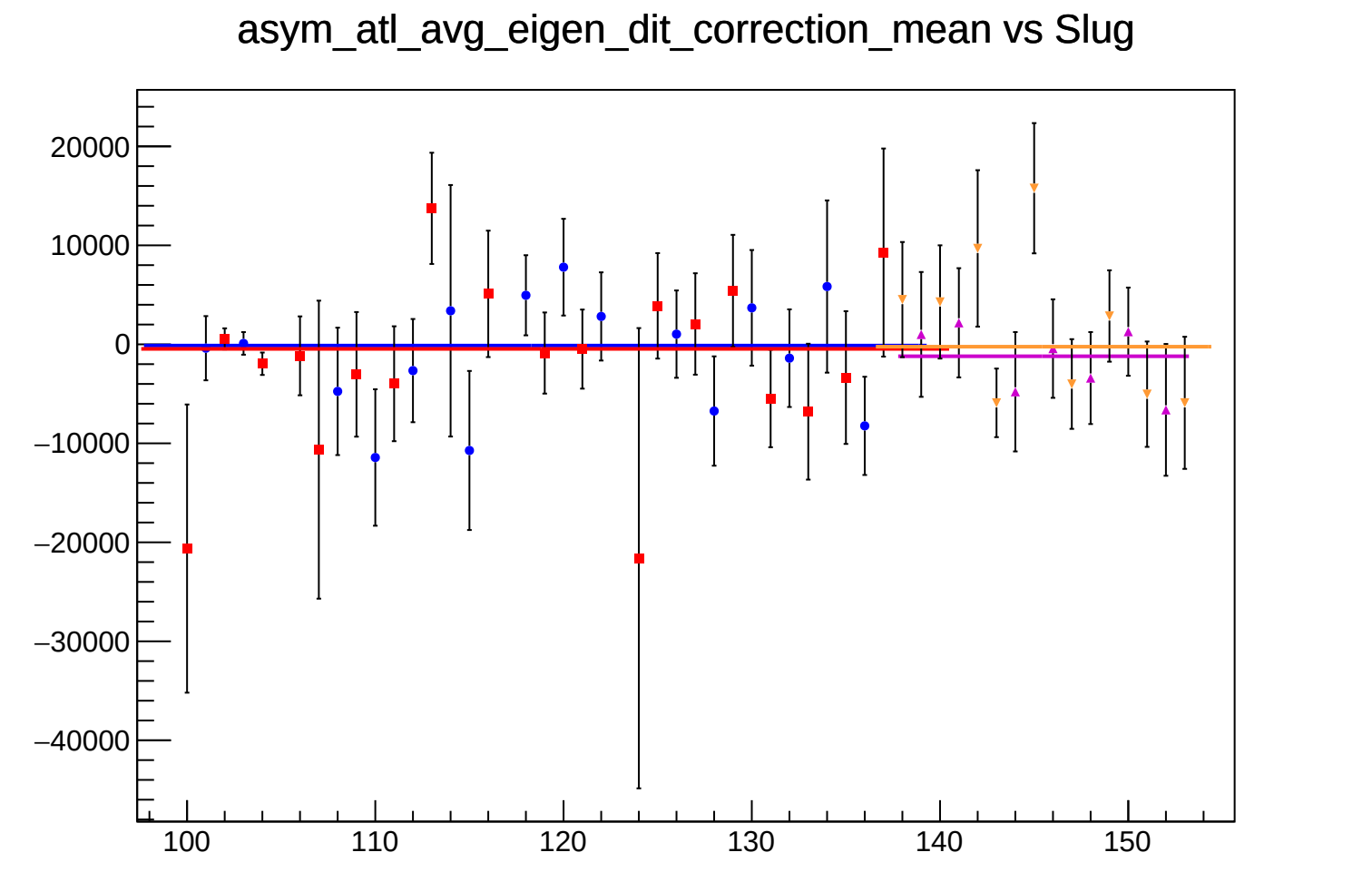
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1839.930+/-0.526 χ^2/NDF:21793.7/6

+ sign 1761.487+/-0.341 χ^2/NDF: 203692.7/23

All: 1775.857+/-0.244 χ^2/NDF: 492631.3/48

- sign 1790.861+/-0.349 χ^2/NDF: 285317.6/24



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -236.951+/-1725.104 χ^2/NDF:14.2/8

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

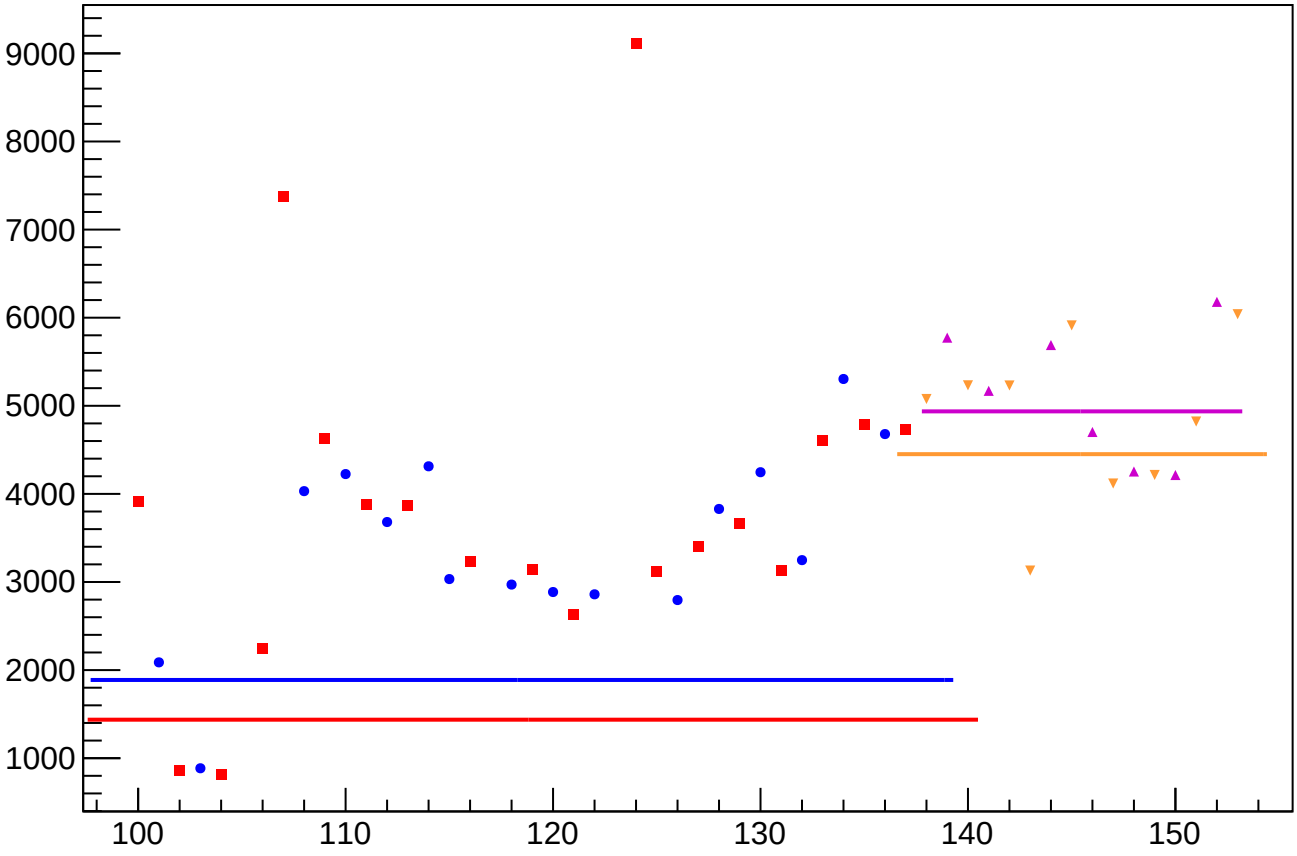
Left In: -1203.448+/-2019.290 χ^2/NDF:2.1/6

+ sign -147.971+/-775.124 χ^2/NDF: 29.2/24

All: -377.049+/-495.214 χ^2/NDF: 50.1/50

- sign -535.040+/-643.718 χ^2/NDF: 20.7/25

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4451.009+/-1.220 χ^2/NDF:608718.0/8

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

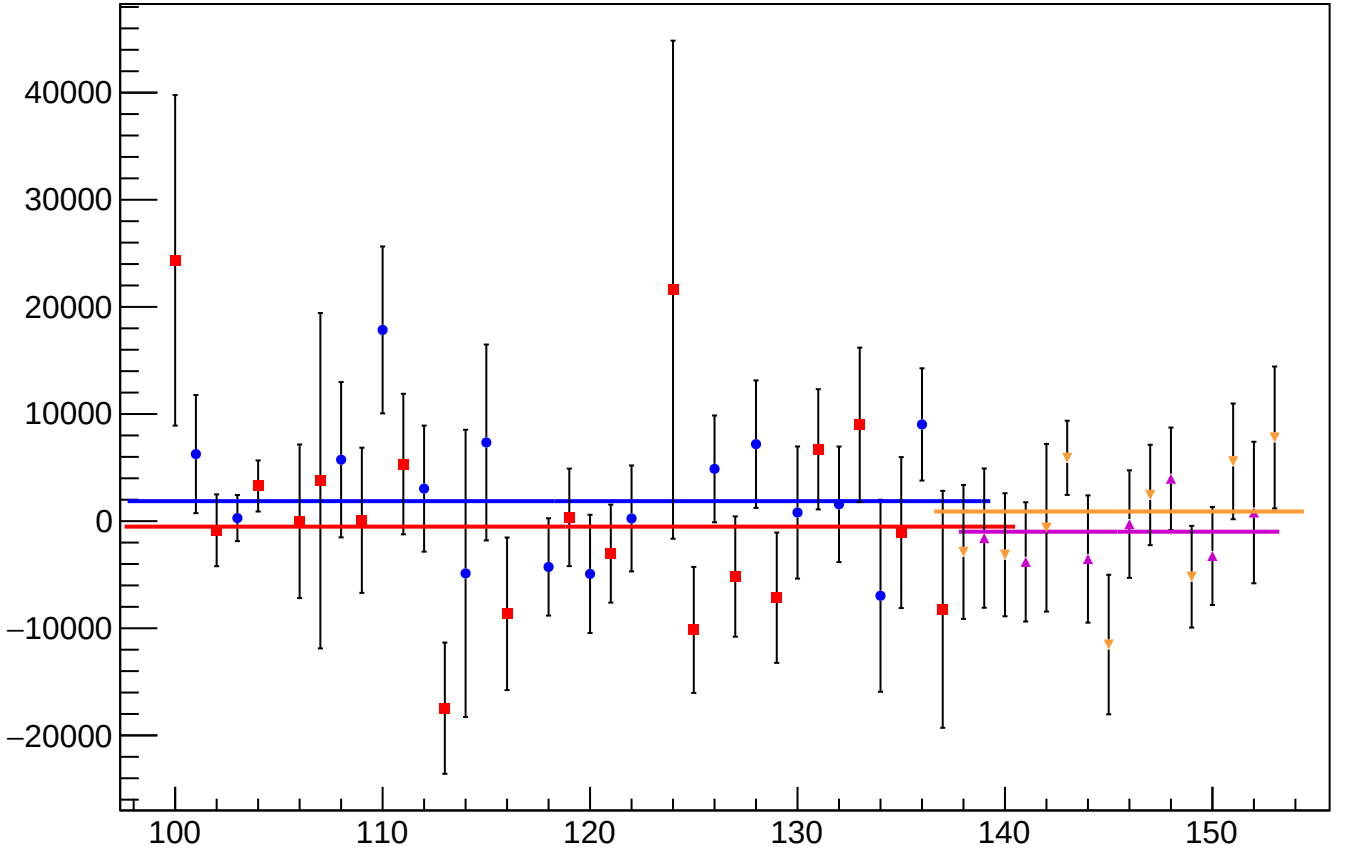
Left In: 4936.647+/-1.428 χ^2/NDF:239949.9/6

+ sign 2405.428+/-0.548 χ^2/NDF: 8557905.2/24

All: 2042.818+/-0.350 χ^2/NDF: 20898190.2/5

- sign 1792.732+/-0.455 χ^2/NDF: 11600726.2/25

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 898.036+/-1751.173 χ^2/NDF:10.2/8

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

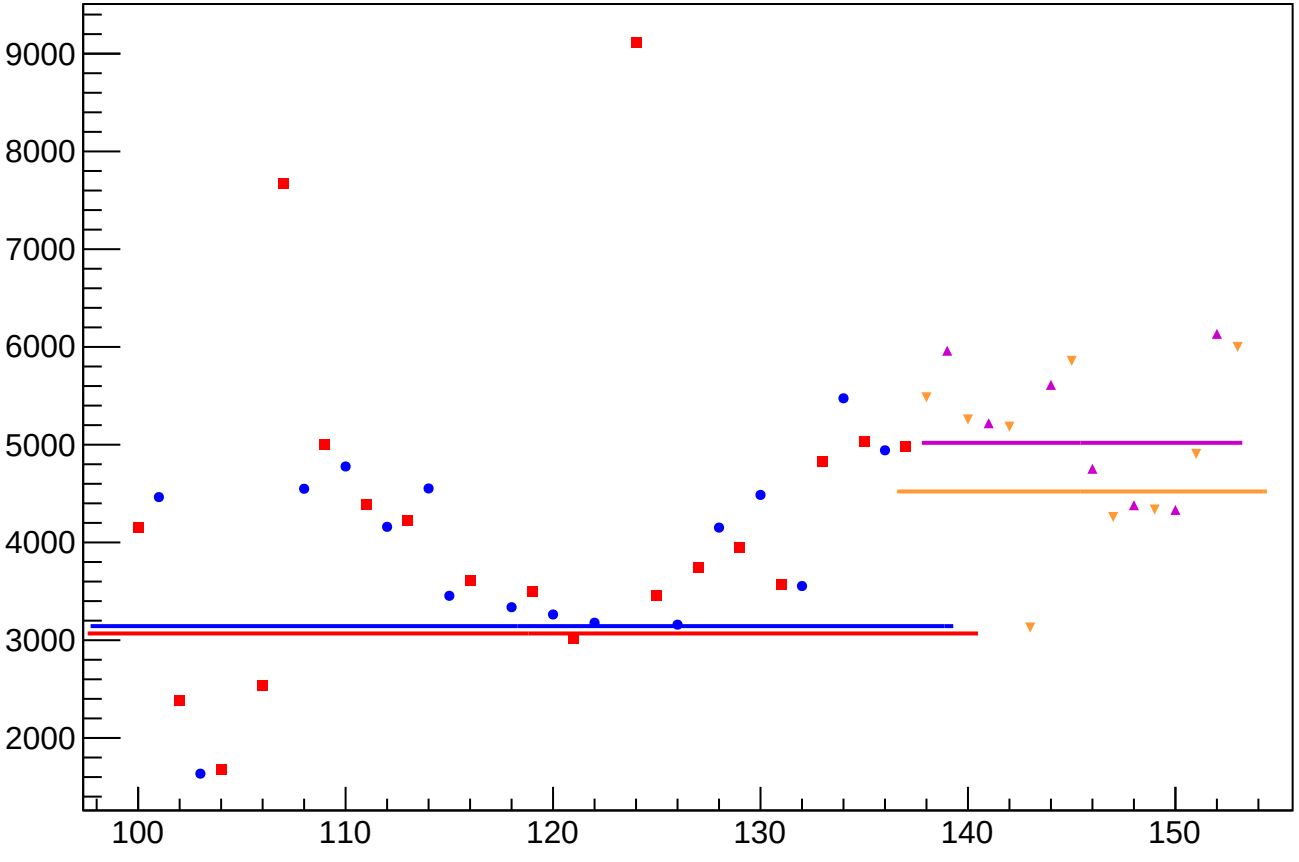
Left In: -985.028+/-2048.397 χ^2/NDF:1.9/6

+ sign 1536.505+/-1022.332 χ^2/NDF: 24.2/24

All: 489.635+/-736.431 χ^2/NDF: 53.0/50

- sign -639.468+/-1061.726 χ^2/NDF: 26.6/25

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4521.579+/-1.238 χ^2/NDF:620476.9/8

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

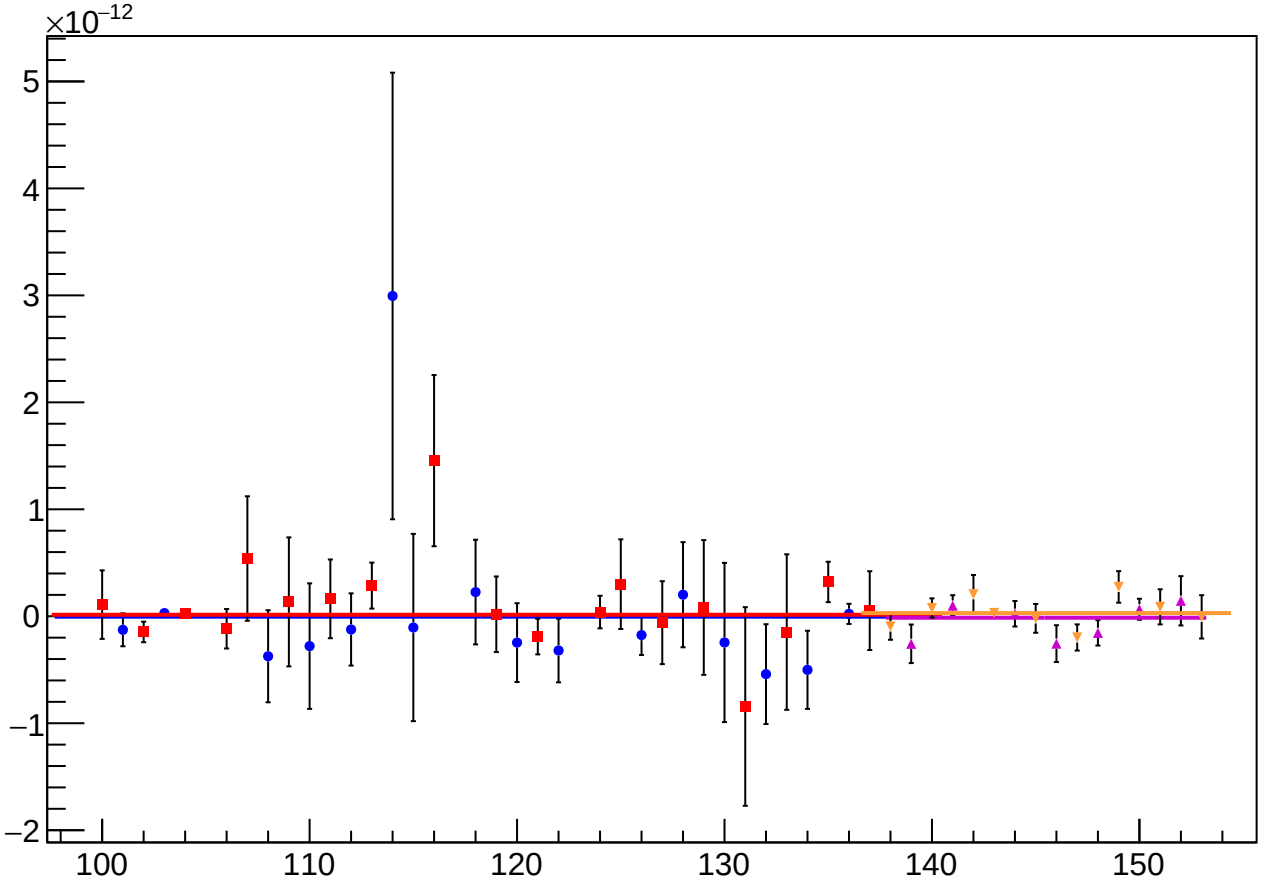
Left In: 5019.091+/-1.448 χ^2/NDF:207640.9/6

+ sign 3613.596+/-0.723 χ^2/NDF: 3319302.7/24

All: 3597.740+/-0.518 χ^2/NDF: 6746209.5/50

- sign 3581.029+/-0.742 χ^2/NDF: 3425918.7/25

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.8/8

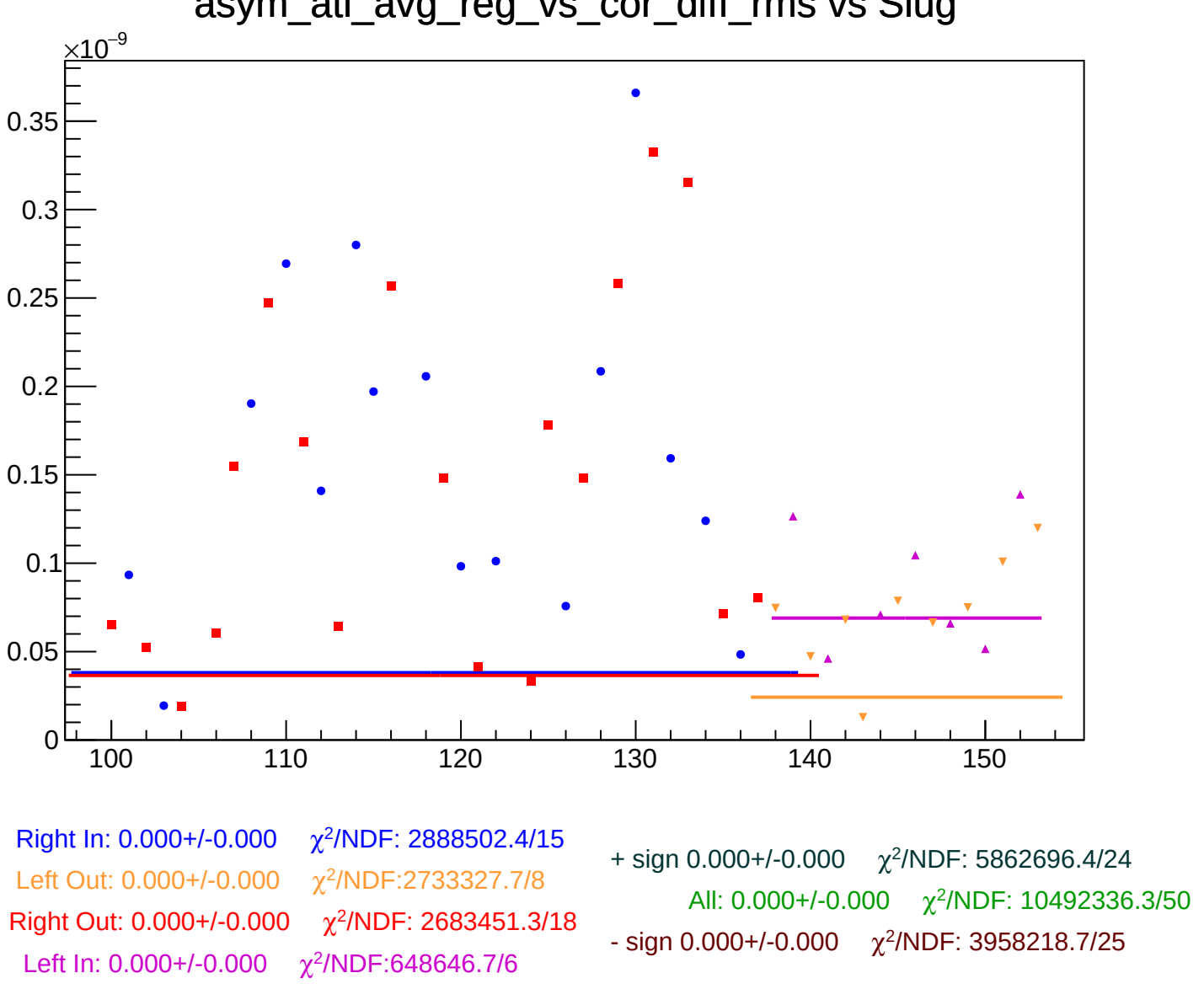
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/6

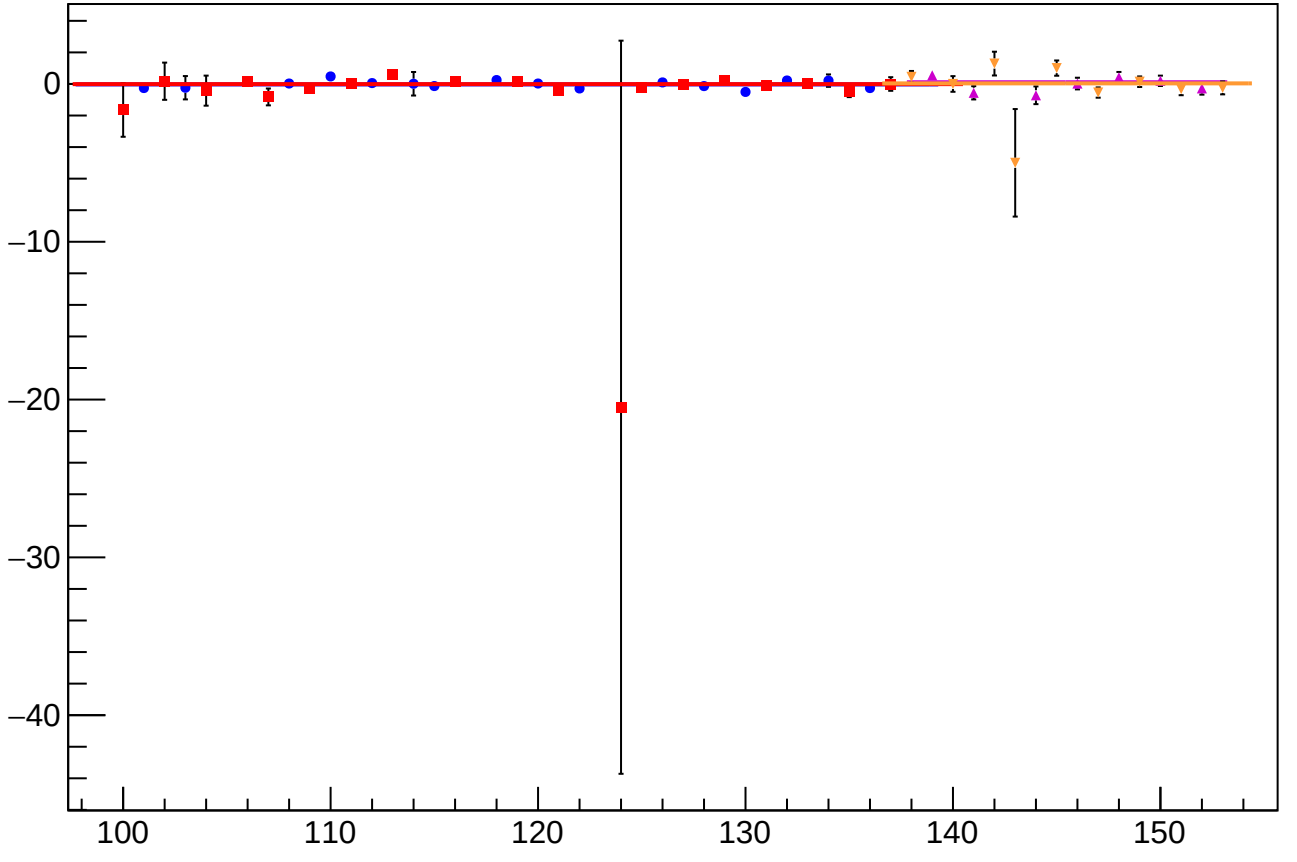
+ sign 0.000+/-0.000 χ^2/NDF: 20.1/24

All: 0.000+/-0.000 χ^2/NDF: 43.3/50

- sign 0.000+/-0.000 χ^2/NDF: 23.0/25


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2733327.7/8
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:648646.7/6
+ sign 0.000+/-0.000 χ²/NDF: 5862696.4/24
All: 0.000+/-0.000 χ²/NDF: 10492336.3/50
- sign 0.000+/-0.000 χ²/NDF: 3958218.7/25

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.037+/-0.144 χ^2/NDF:14.9/8

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

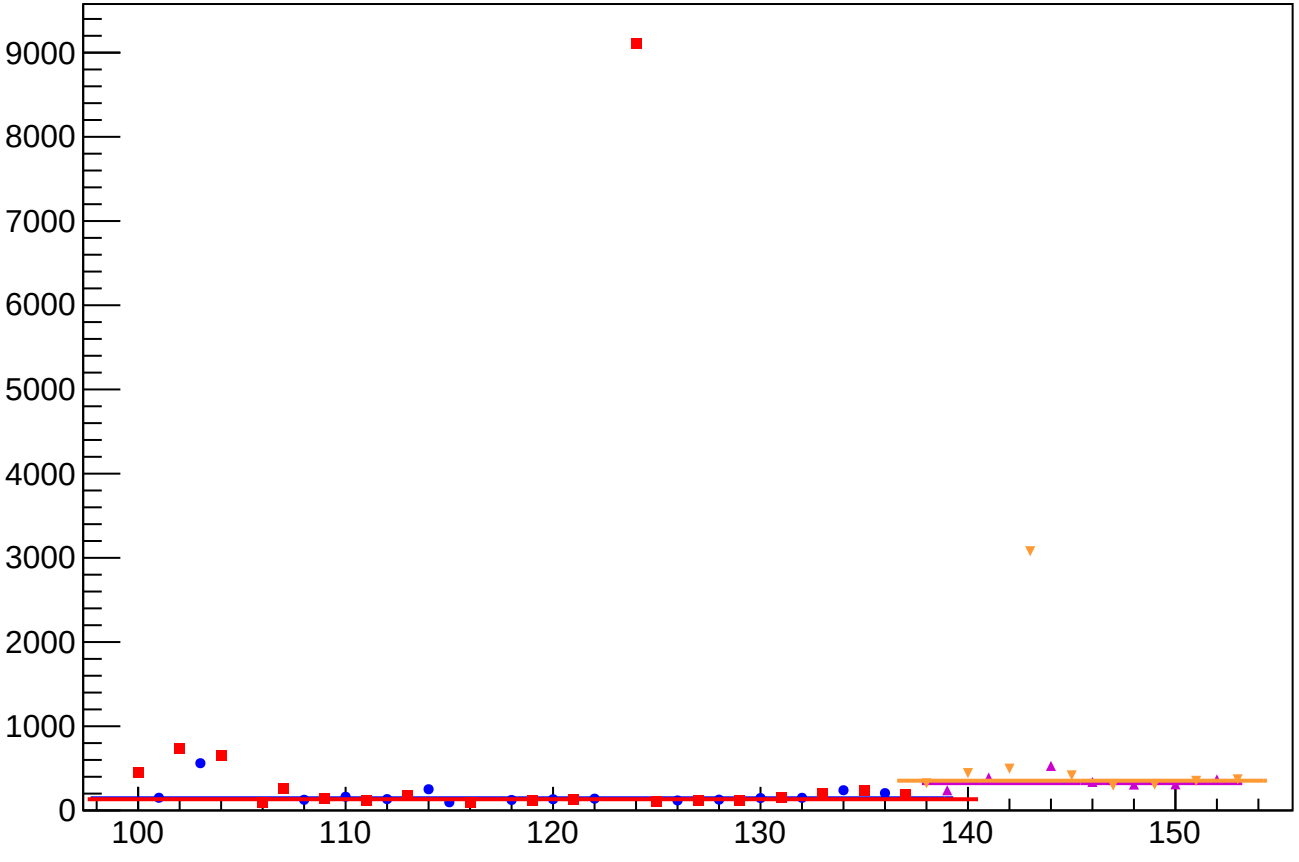
Left In: 0.109+/-0.136 χ^2/NDF:9.2/6

+ sign -0.020+/-0.054 χ^2/NDF: 32.3/24

All: -0.006+/-0.037 χ^2/NDF: 64.1/50

- sign 0.007+/-0.052 χ^2/NDF: 31.7/25

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 353.526+/-0.102 χ^2/NDF:1573447.8/8

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

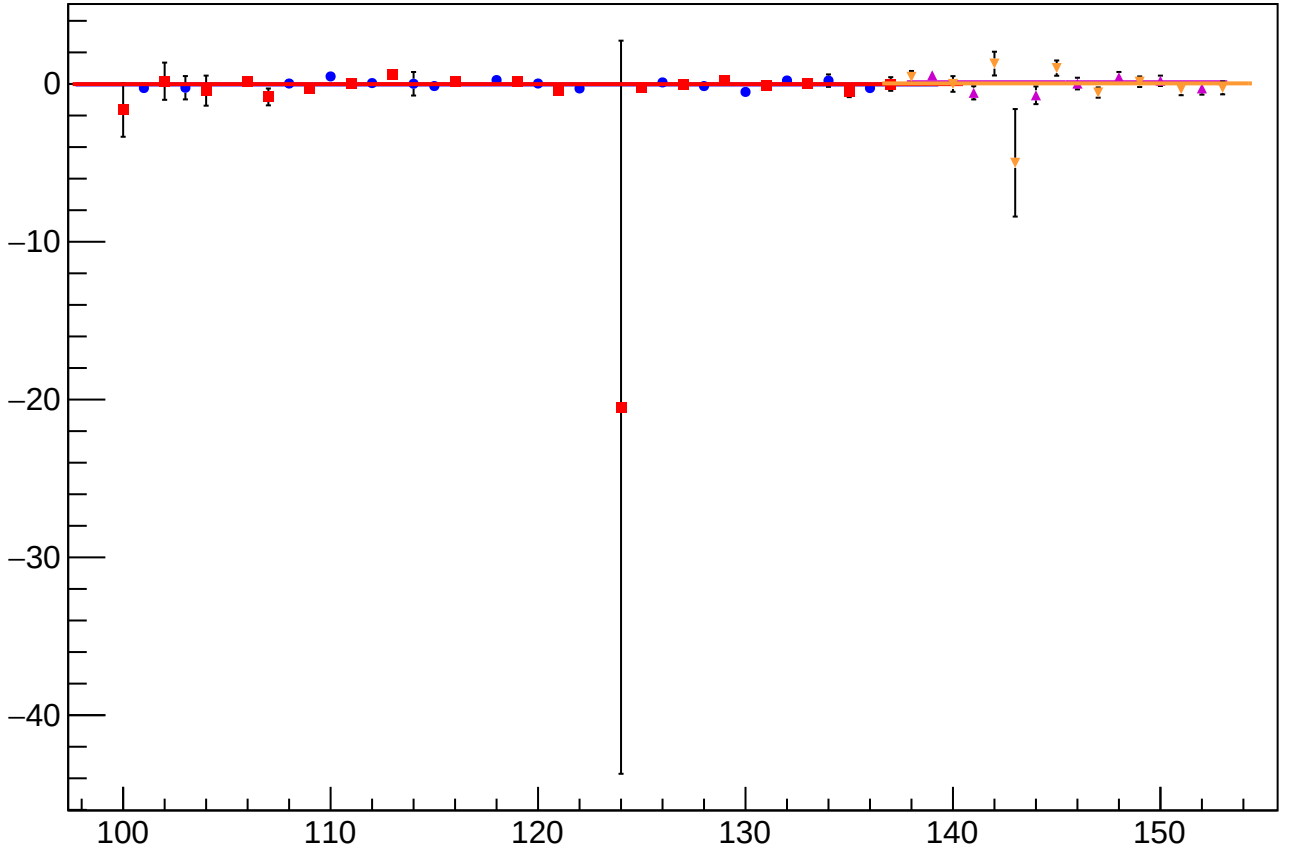
Left In: 324.417+/-0.096 χ^2/NDF:544621.8/6

+ sign 173.422+/-0.038 χ^2/NDF: 6347741.6/24

All: 167.205+/-0.026 χ^2/NDF: 12525302.0/50

- sign 161.320+/-0.037 χ^2/NDF: 6125279.2/25

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.037+/-0.144 χ^2/NDF:14.9/8

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

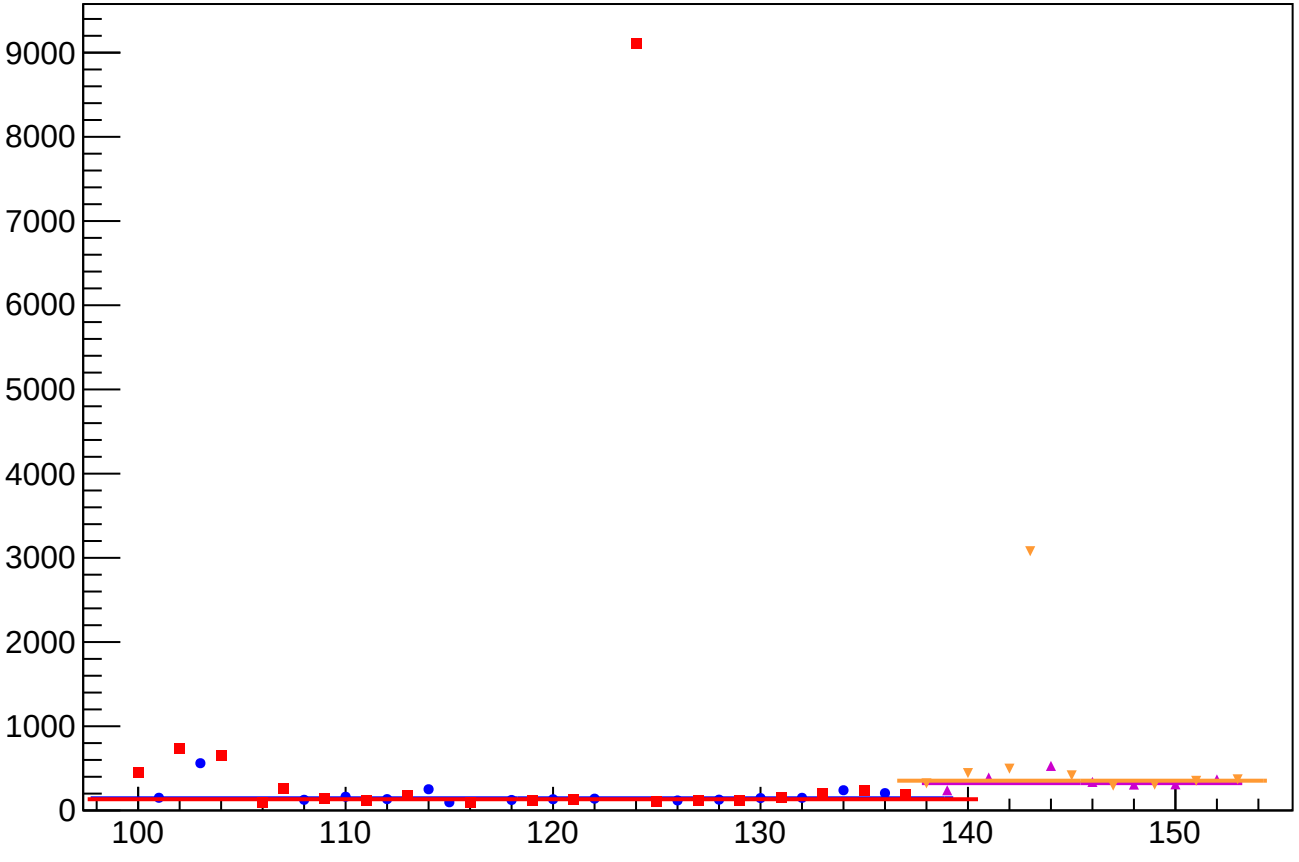
Left In: 0.109+/-0.136 χ^2/NDF:9.2/6

+ sign -0.020+/-0.054 χ^2/NDF: 32.3/24

All: -0.006+/-0.037 χ^2/NDF: 64.1/50

- sign 0.007+/-0.052 χ^2/NDF: 31.7/25

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 353.526+/-0.102 χ^2/NDF:1573447.8/8

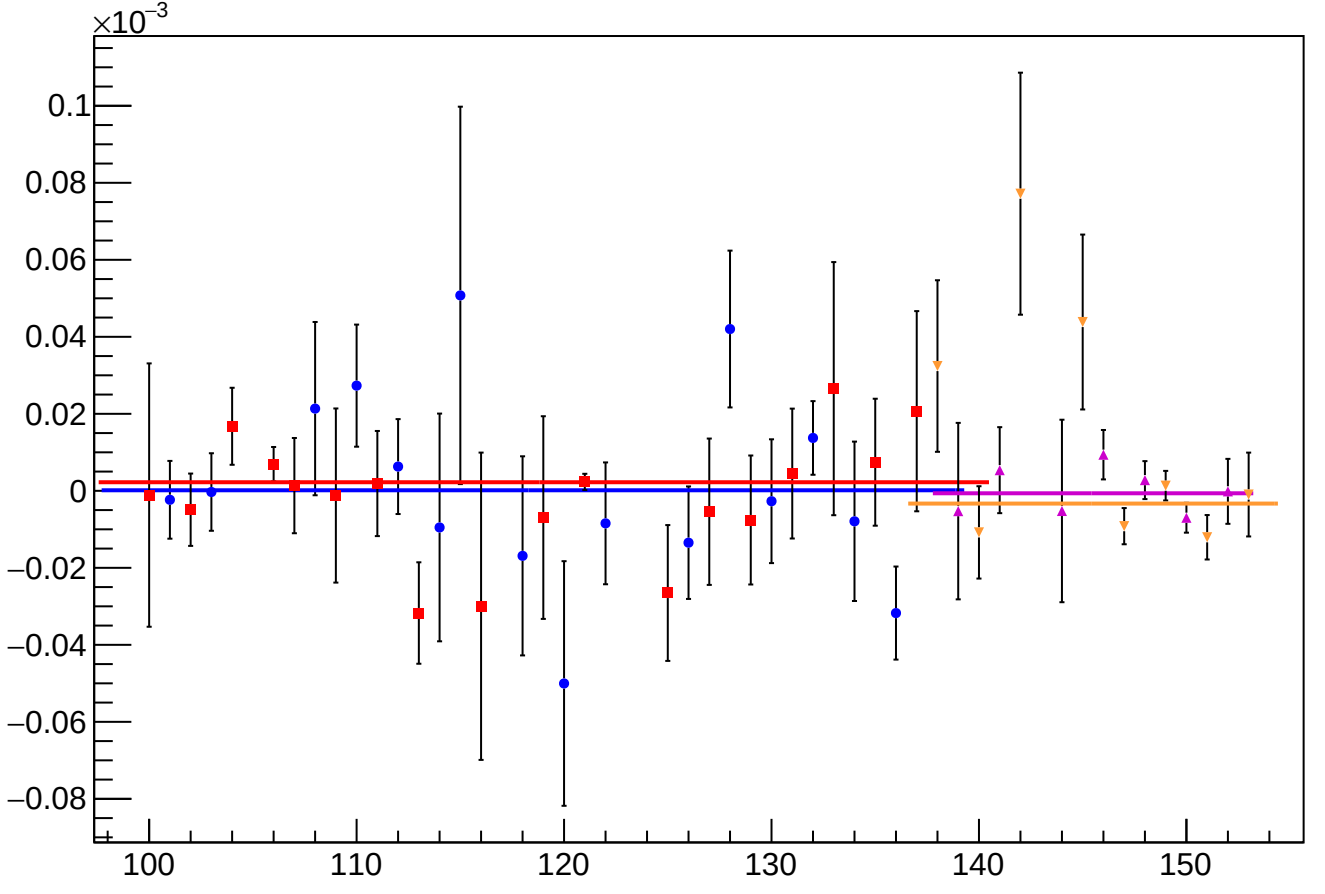
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.417+/-0.096 χ^2/NDF:544621.8/6

+ sign 173.422+/-0.038 χ^2/NDF: 6347741.6/24

All: 167.205+/-0.026 χ^2/NDF: 12525302.0/50

- sign 161.320+/-0.037 χ^2/NDF: 6125279.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

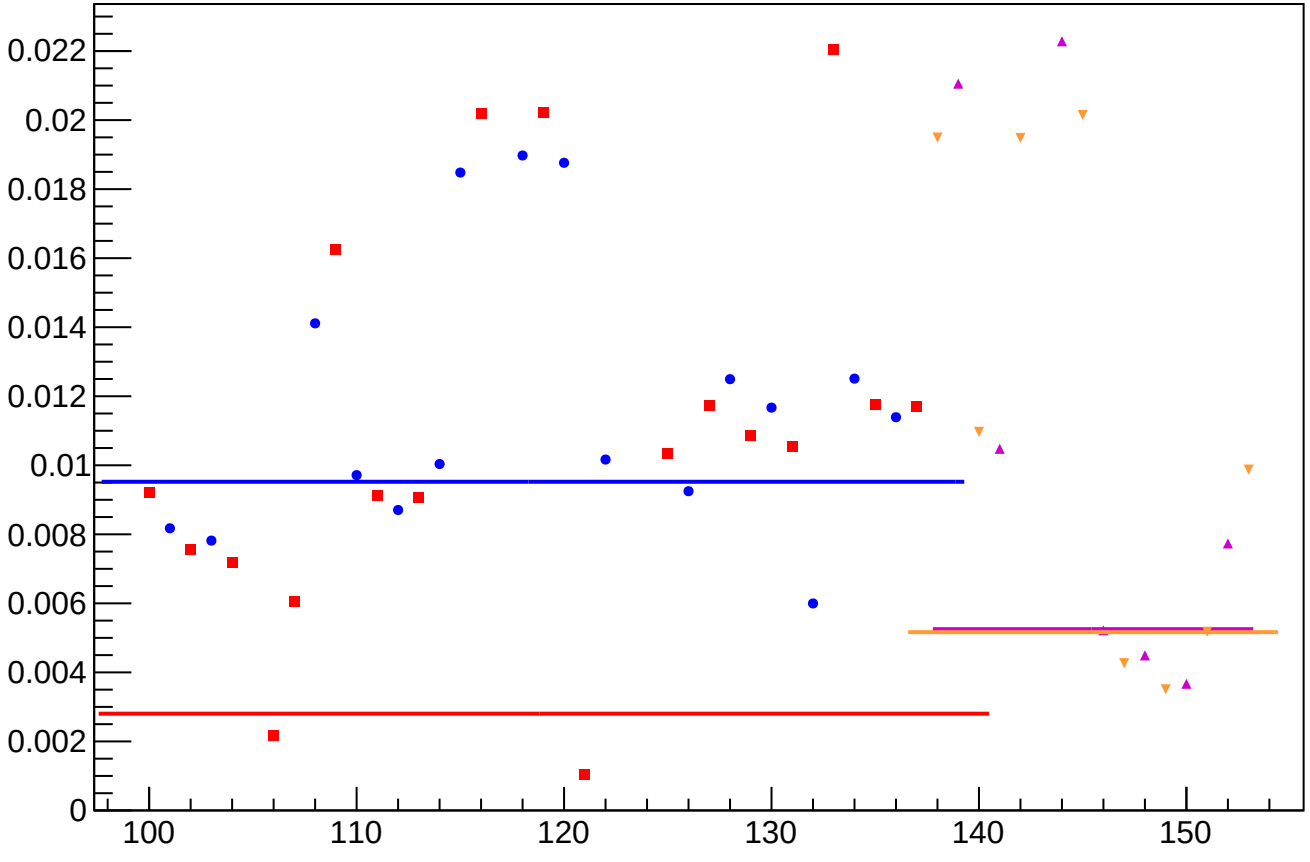
Left In: -0.000+/-0.000 χ^2/NDF:6.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 42.6/23

All: 0.000+/-0.000 χ^2/NDF: 67.1/48

- sign 0.000+/-0.000 χ^2/NDF: 22.4/24

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:3399871.5/7

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

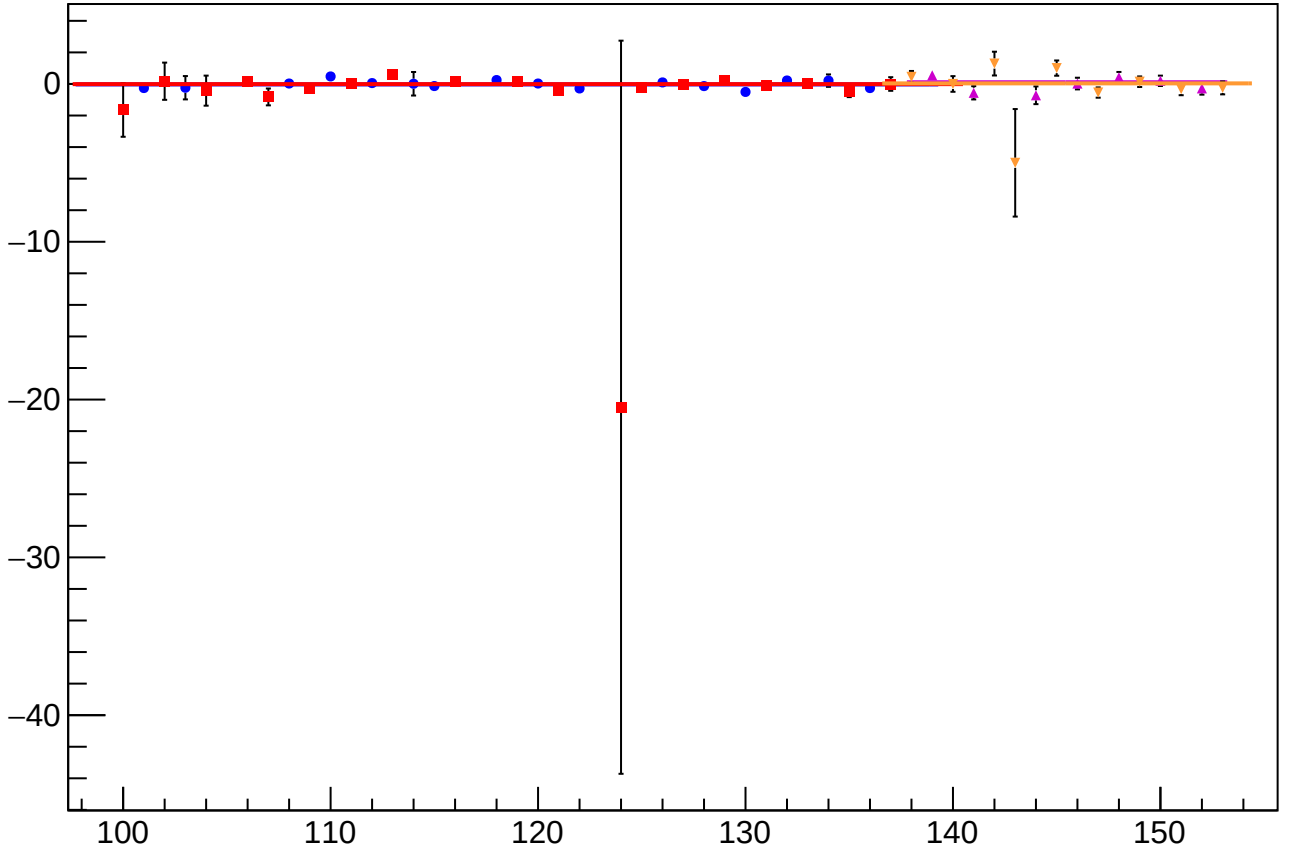
Left In: 0.005+/-0.000 χ^2/NDF:2975533.1/6

+ sign 0.006+/-0.000 χ^2/NDF: 6418698.8/23

All: 0.005+/-0.000 χ^2/NDF: 21944727.5/48

- sign 0.004+/-0.000 χ^2/NDF: 12834585.9/24

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.037+/-0.144 χ^2/NDF:14.9/8

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

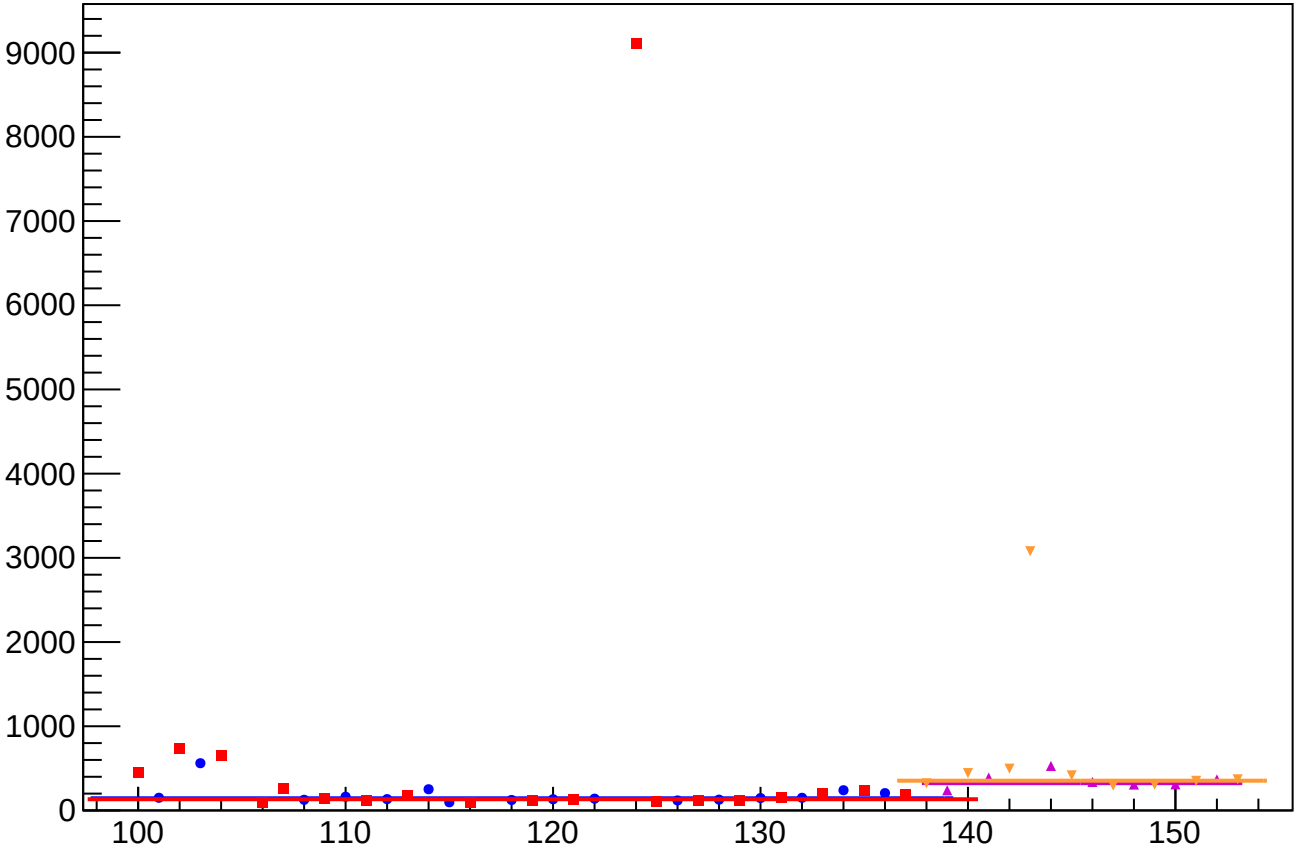
Left In: 0.109+/-0.136 χ^2/NDF:9.2/6

+ sign -0.020+/-0.054 χ^2/NDF: 32.3/24

All: -0.006+/-0.037 χ^2/NDF: 64.1/50

- sign 0.007+/-0.052 χ^2/NDF: 31.7/25

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 353.529+/-0.102 χ^2/NDF:1573470.8/8

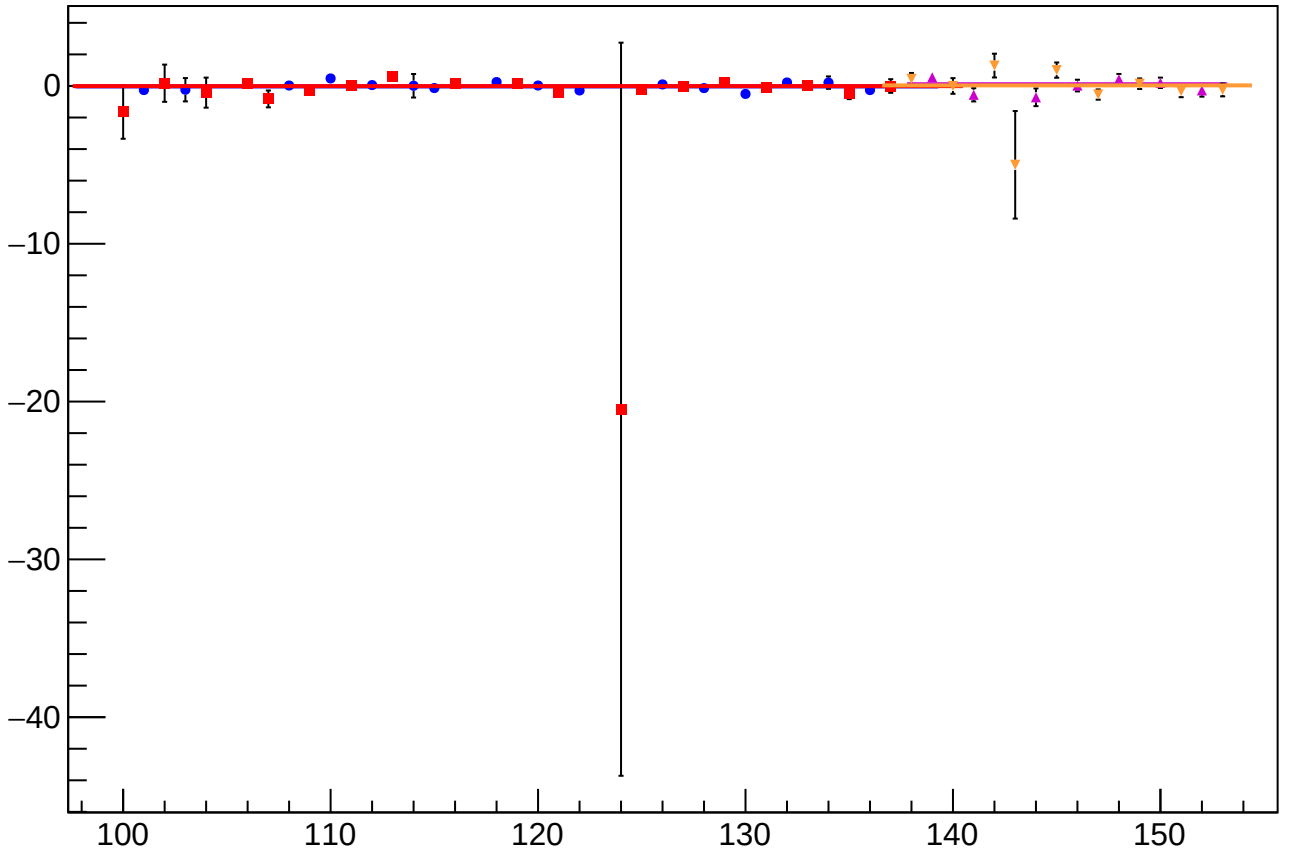
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.422+/-0.096 χ^2/NDF:544607.2/6

+ sign 173.420+/-0.038 χ^2/NDF: 6347897.9/24

All: 167.204+/-0.026 χ^2/NDF: 12525502.4/50

- sign 161.319+/-0.037 χ^2/NDF: 6125330.6/25



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.037+/-0.144 χ^2/NDF:14.9/8

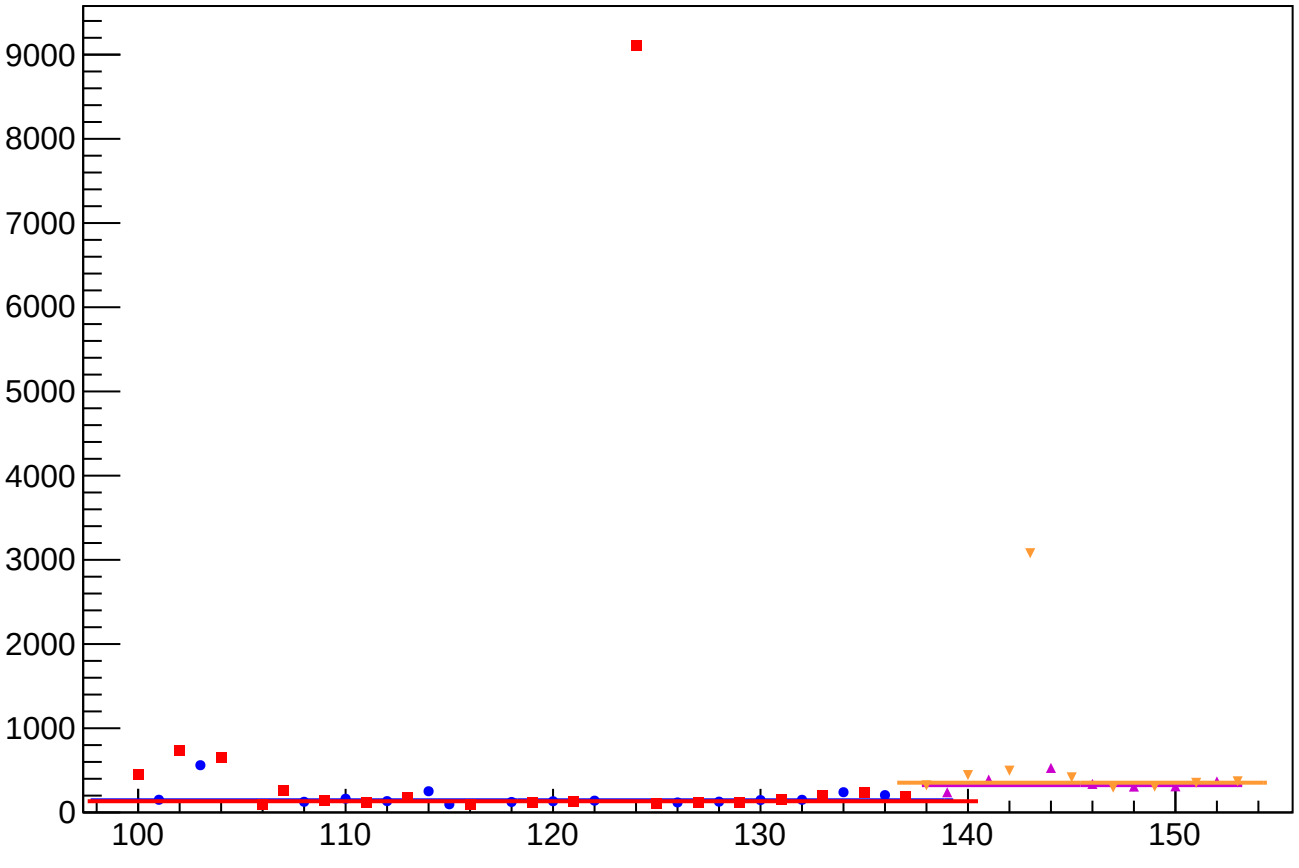
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.109+/-0.136 χ^2/NDF:9.2/6

+ sign -0.020+/-0.054 χ^2/NDF: 32.3/24

All: -0.006+/-0.037 χ^2/NDF: 64.1/50

- sign 0.007+/-0.052 χ^2/NDF: 31.7/25



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 353.529+/-0.102 χ^2/NDF:1573470.8/8

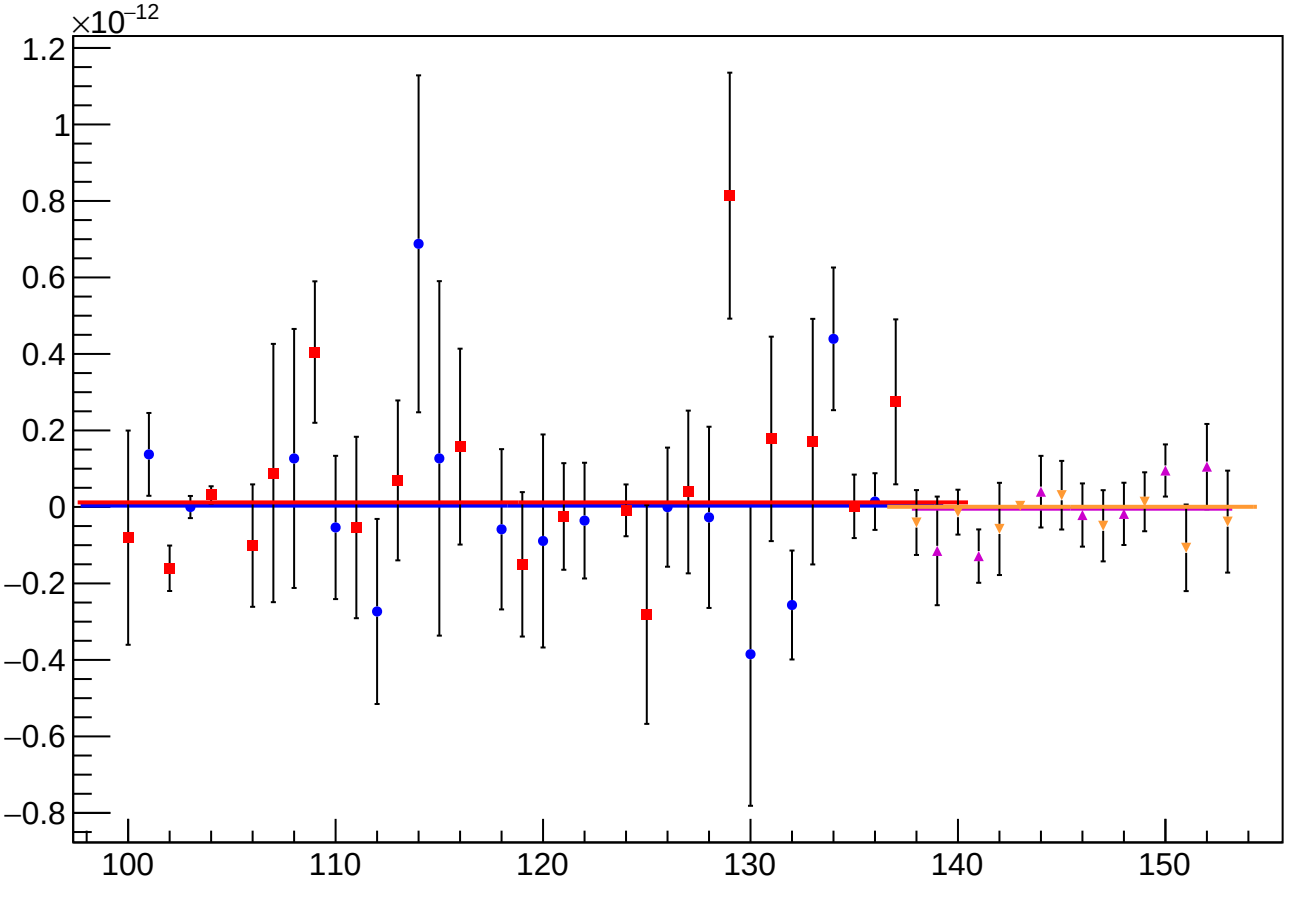
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.422+/-0.096 χ^2/NDF:544607.2/6

+ sign 173.420+/-0.038 χ^2/NDF: 6347897.9/24

All: 167.204+/-0.026 χ^2/NDF: 12525502.4/50

- sign 161.319+/-0.037 χ^2/NDF: 6125330.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

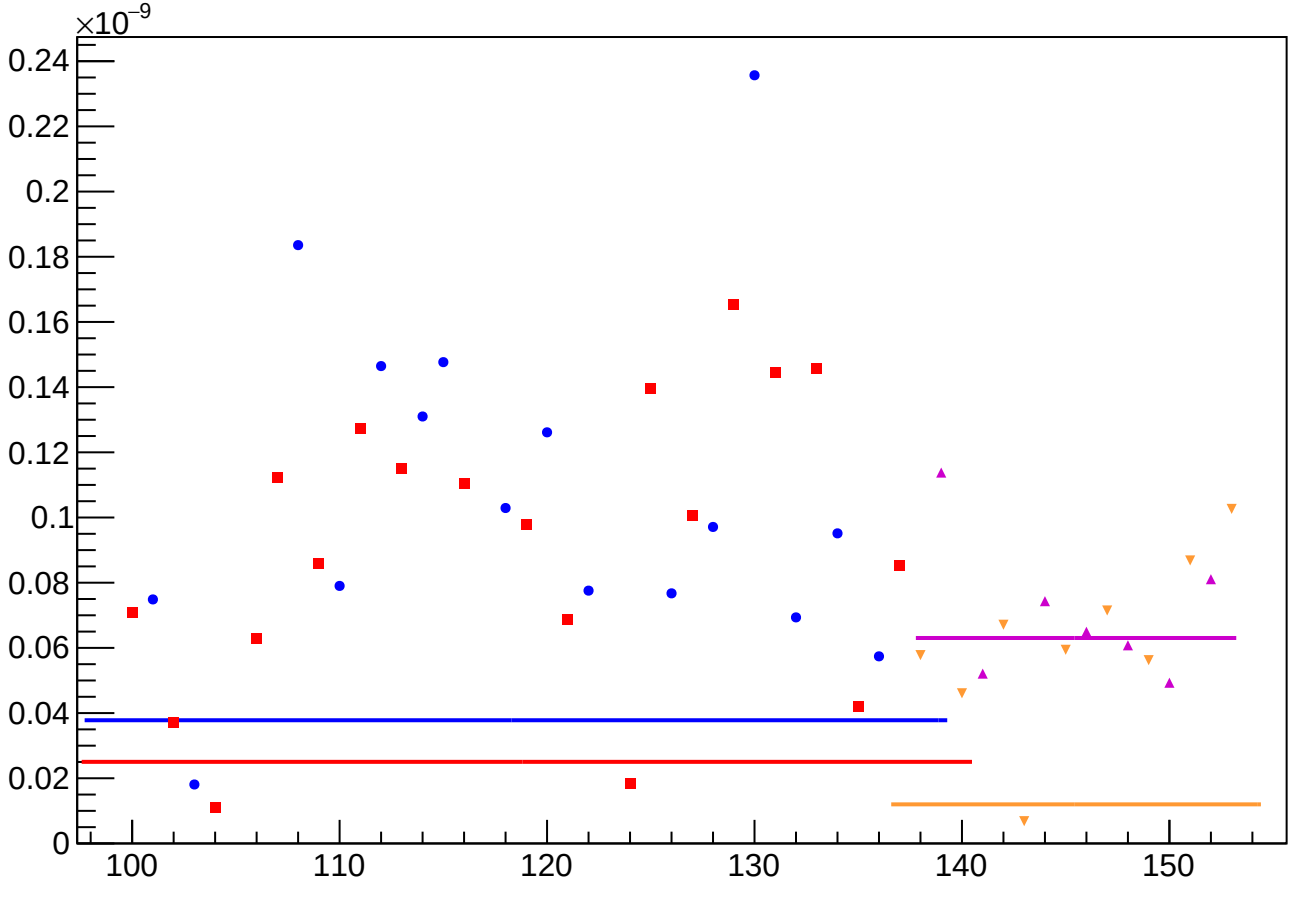
Left In: -0.000+/-0.000 χ^2/NDF:7.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 17.6/24

All: 0.000+/-0.000 χ^2/NDF: 50.3/50

- sign 0.000+/-0.000 χ^2/NDF: 32.5/25

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6037904.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

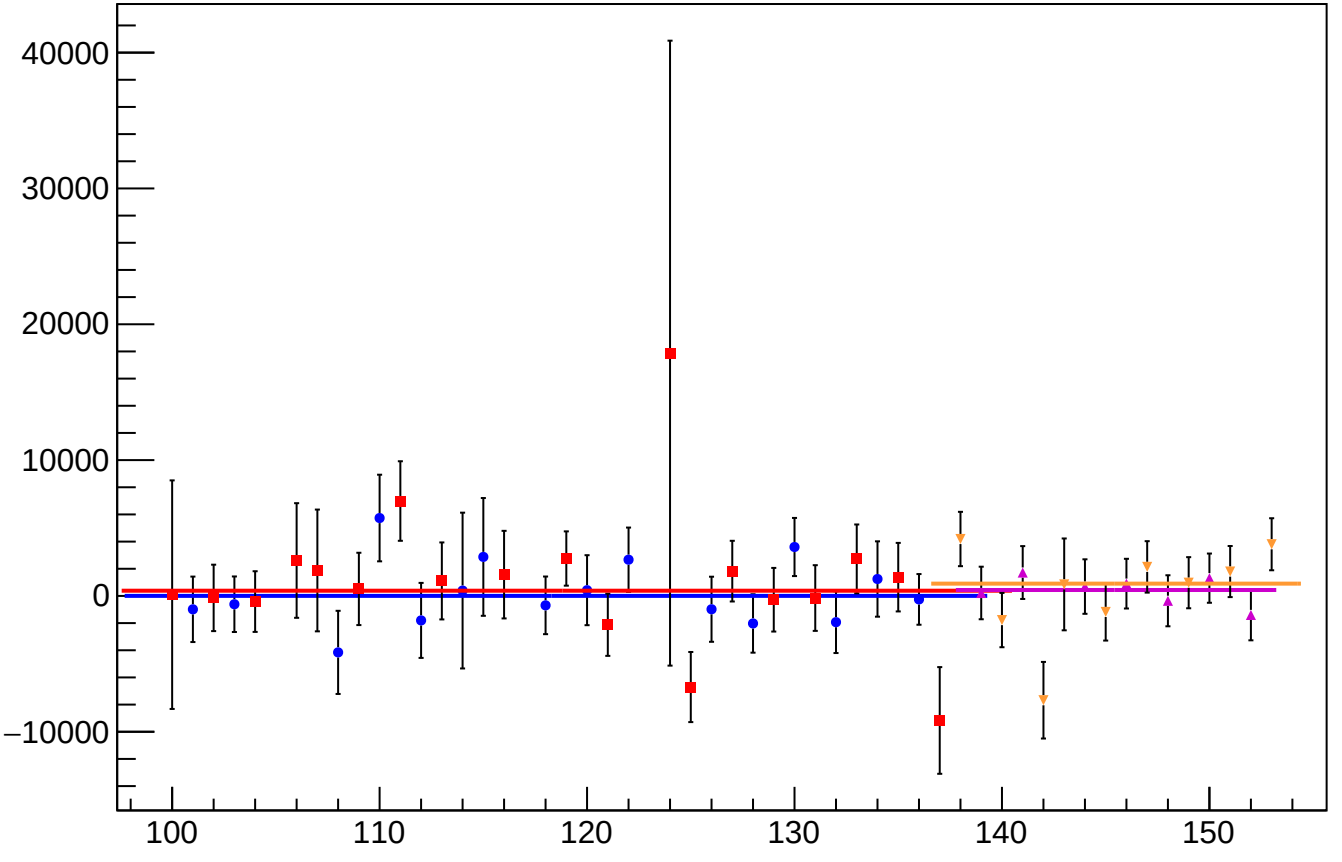
Left In: 0.000+/-0.000 χ^2/NDF:469506.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 11987786.4/24

All: 0.000+/-0.000 χ^2/NDF: 21373405.1/50

- sign 0.000+/-0.000 χ^2/NDF: 7258130.7/25

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 905.299+/-697.468 χ^2/NDF:17.7/8

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

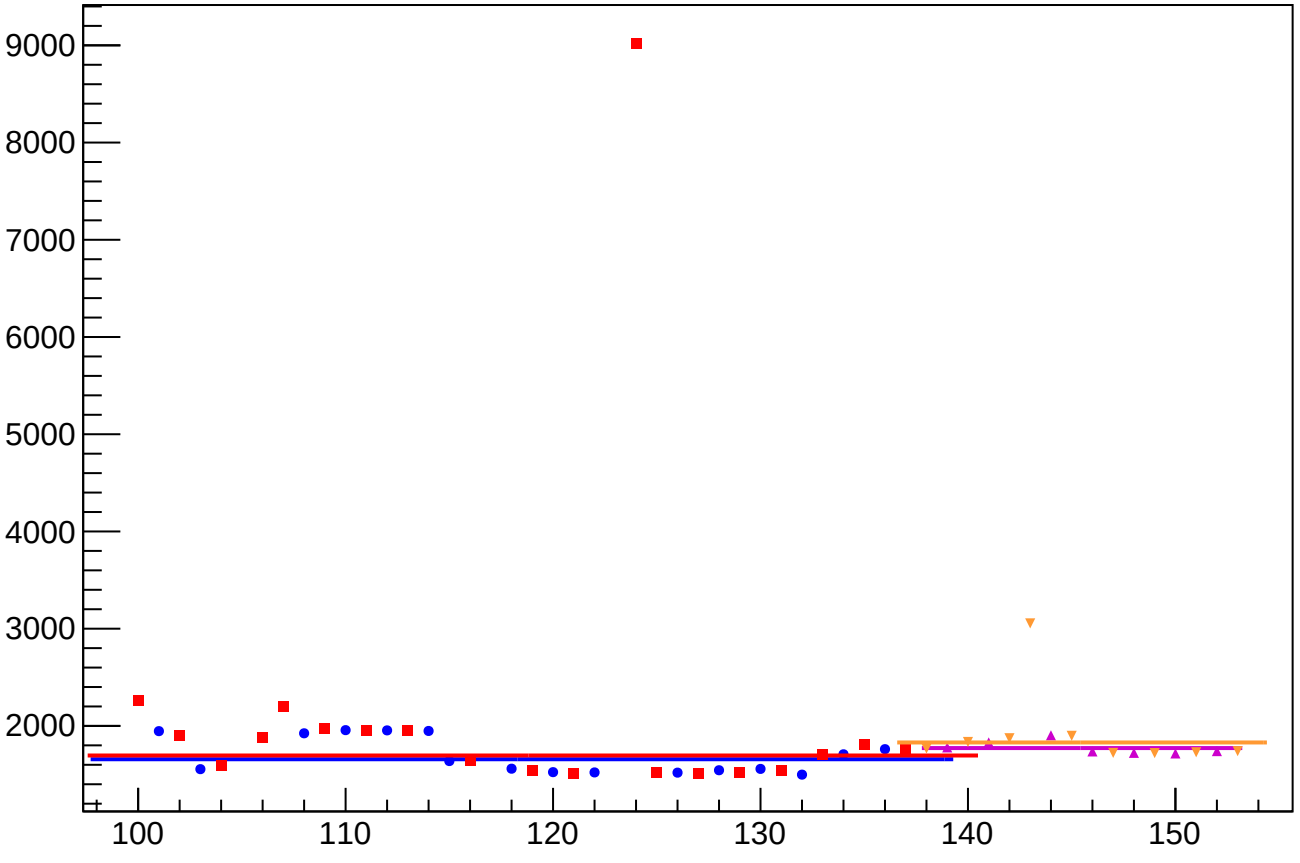
Left In: 436.385+/-715.657 χ^2/NDF:1.9/6

\+ sign 401.976+/-463.345 χ^2/NDF: 31.1/24

All: 404.646+/-331.483 χ^2/NDF: 57.0/50

\- sign 407.446+/-474.428 χ^2/NDF: 26.0/25

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1829.700+/-0.493 χ^2/NDF:290309.8/8

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

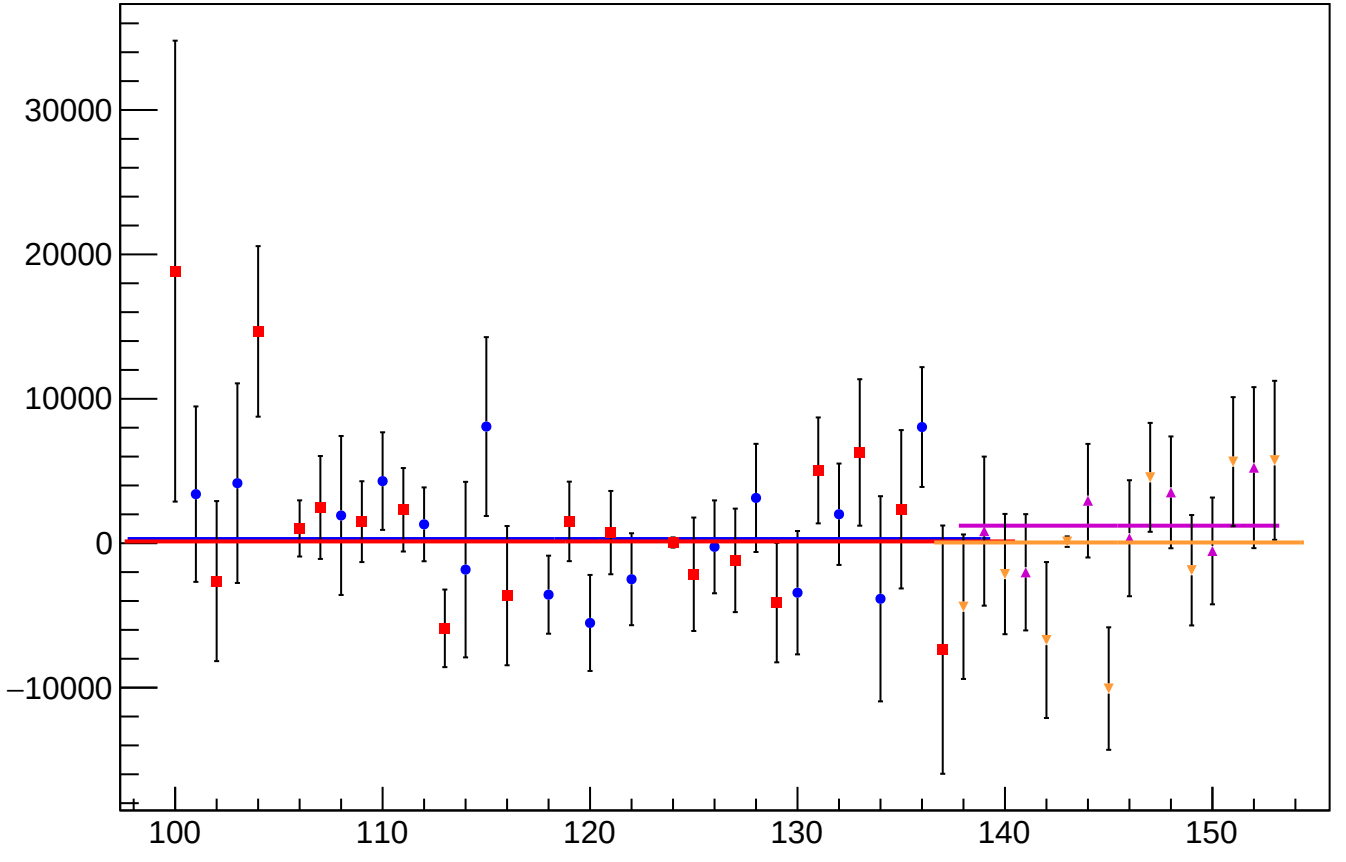
Left In: 1772.046+/-0.506 χ^2/NDF:14874.4/6

+ sign 1733.283+/-0.328 χ^2/NDF: 502703.0/24

All: 1731.211+/-0.234 χ^2/NDF: 916702.6/50

- sign 1729.050+/-0.335 χ^2/NDF: 413917.9/25

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 51.784+/-354.629 χ^2/NDF:12.7/8

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

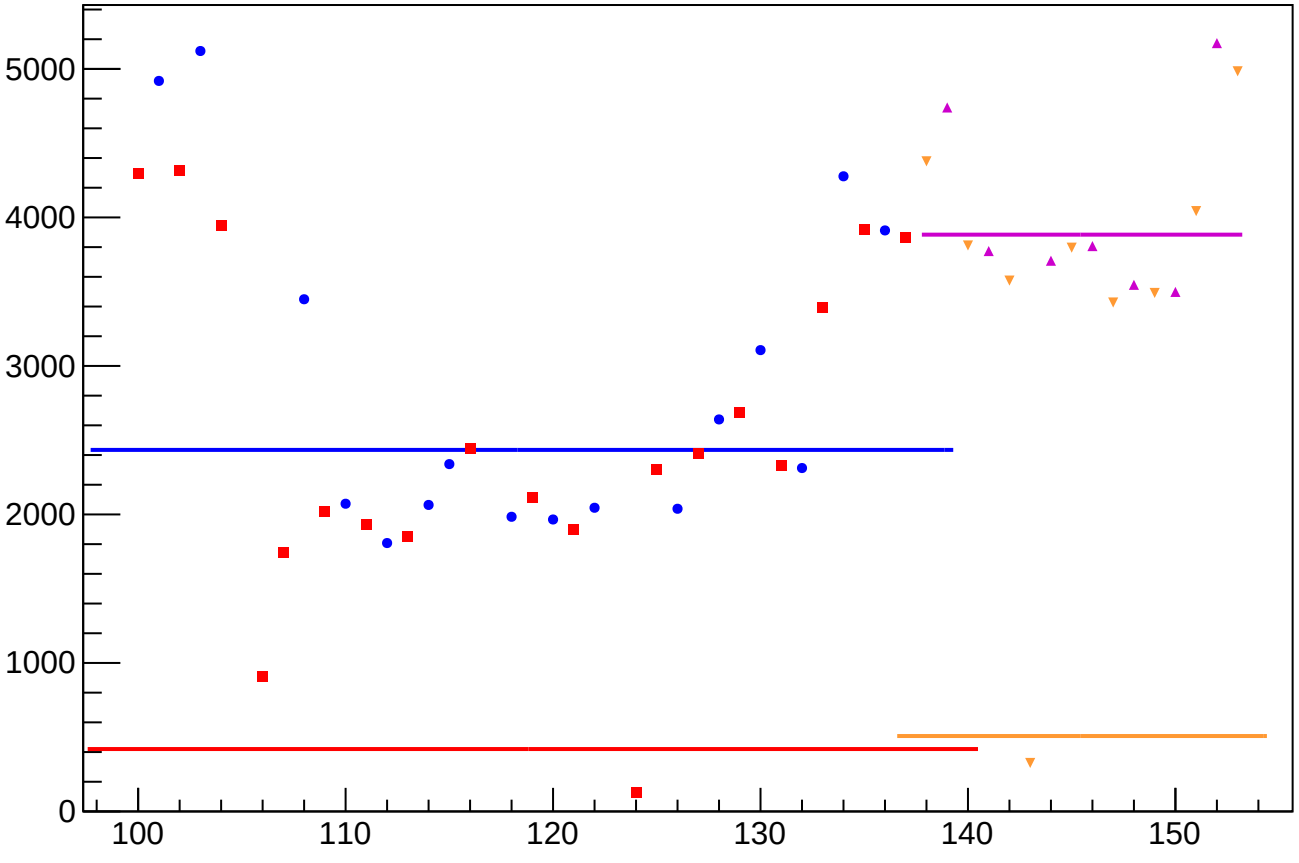
Left In: 1215.577+/-1585.325 χ^2/NDF:2.0/6

+ sign 80.243+/-332.702 χ^2/NDF: 27.9/24

All: 126.854+/-229.567 χ^2/NDF: 51.3/50

- sign 169.214+/-317.170 χ^2/NDF: 23.3/25

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 507.888+/-0.251 χ^2/NDF:9788826.9/8

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

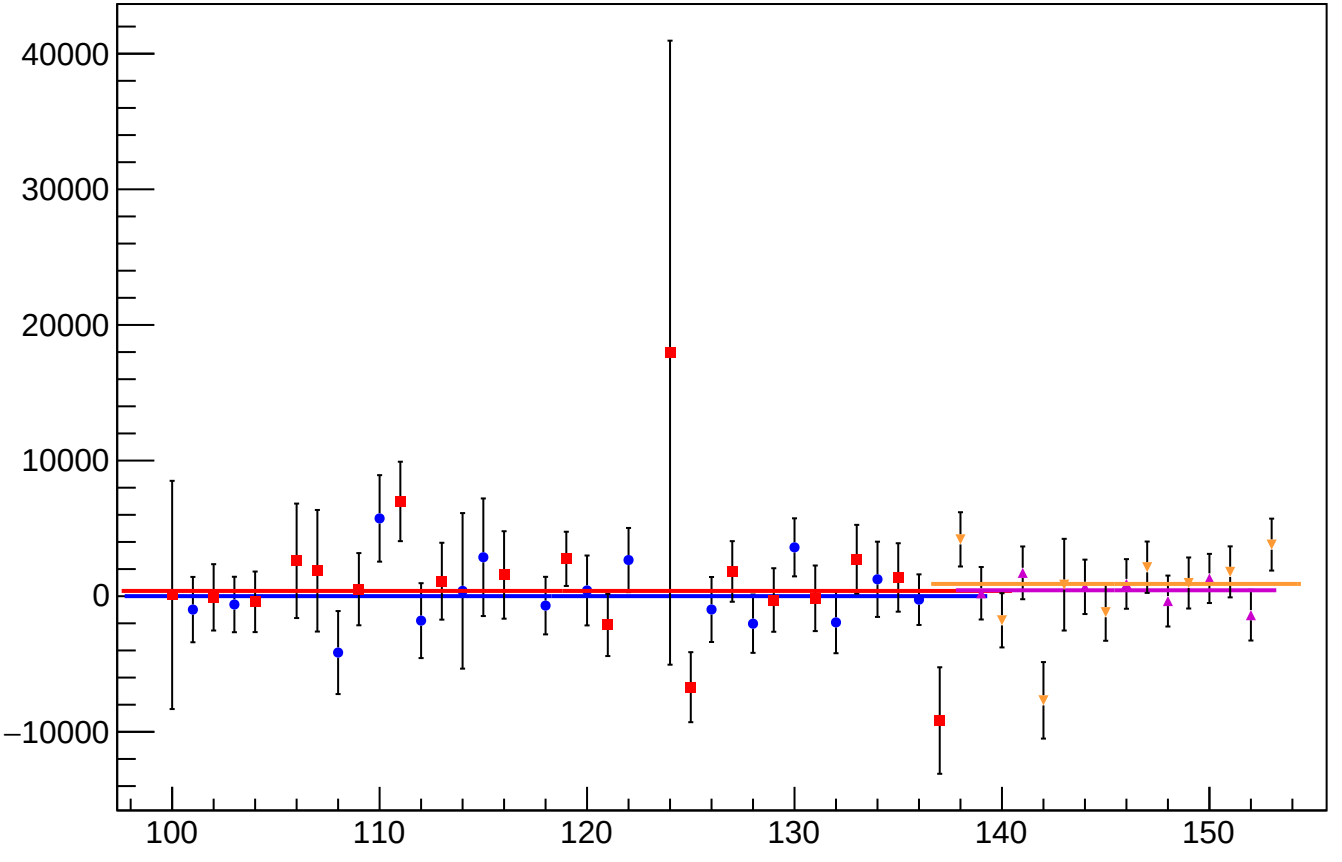
Left In: 3884.030+/-1.121 χ^2/NDF:205311.8/6

+ sign 738.783+/-0.235 χ^2/NDF: 18321309.5/24

All: 644.562+/-0.162 χ^2/NDF: 39061983.0/50

- sign 558.933+/-0.224 χ^2/NDF: 20434494.4/25

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 905.143+/-697.468 χ^2/NDF:17.7/8

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

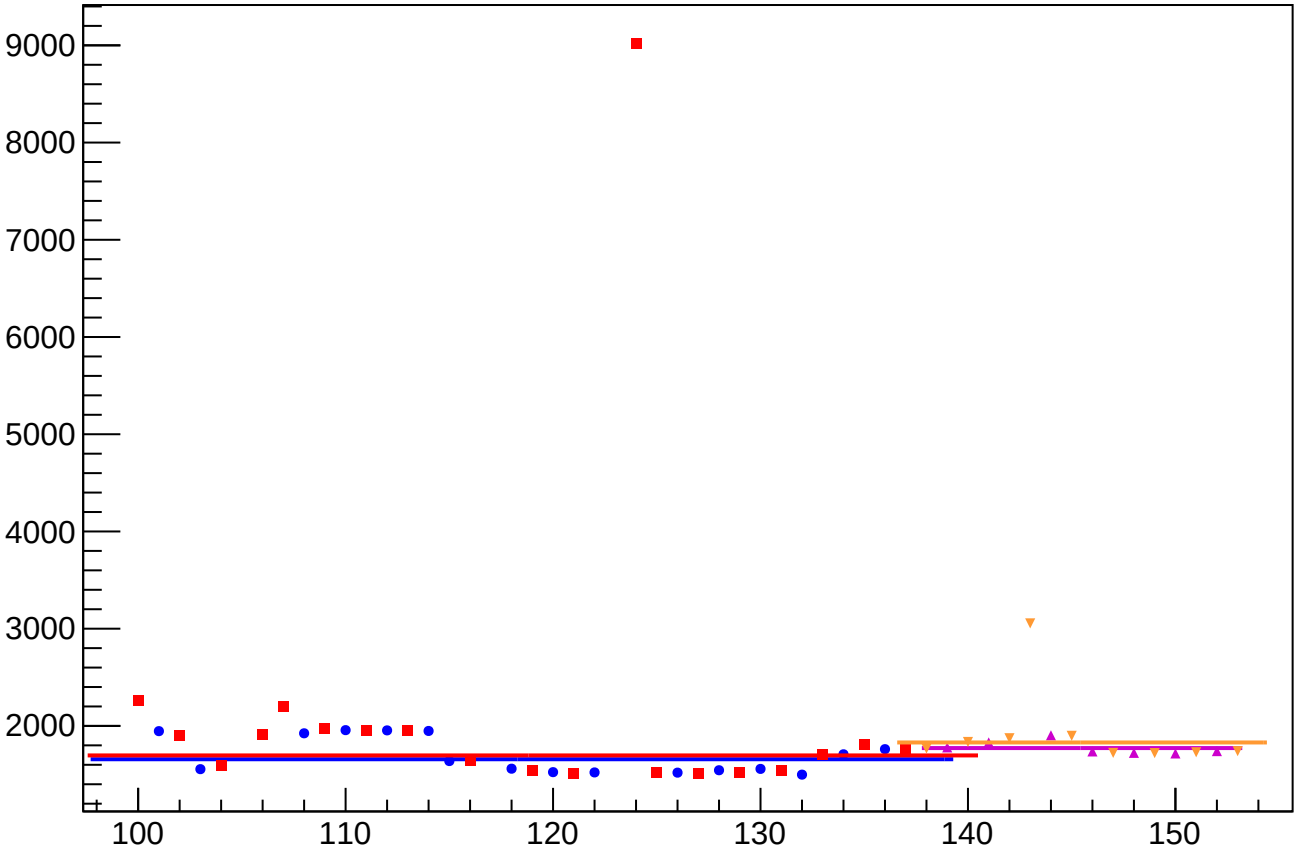
Left In: 436.373+/-715.657 χ^2/NDF:1.9/6

+ sign 401.863+/-463.345 χ^2/NDF: 31.1/24

All: 405.762+/-331.484 χ^2/NDF: 57.0/50

- sign 409.850+/-474.430 χ^2/NDF: 26.0/25

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1829.700+/-0.493 χ^2/NDF:290309.8/8

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

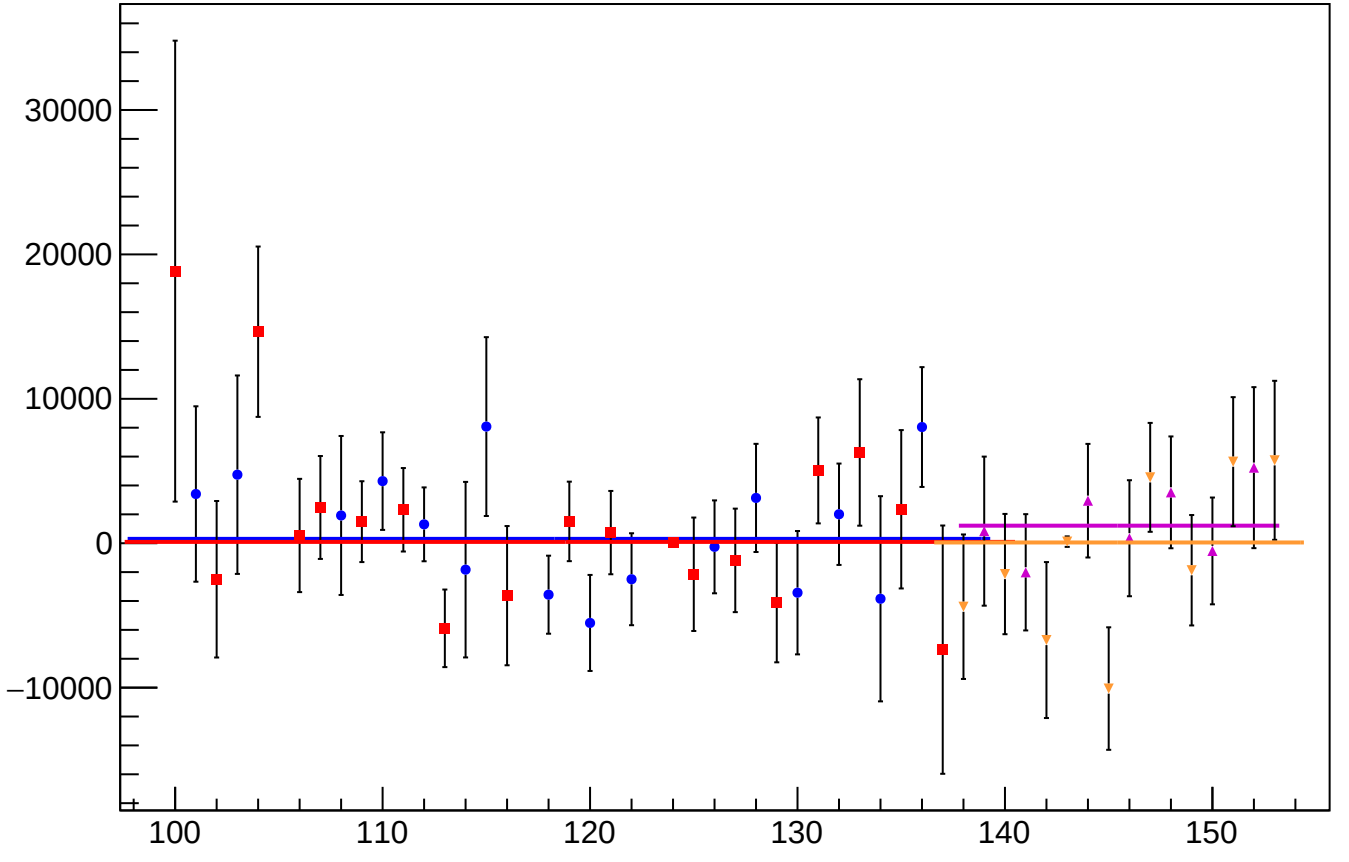
Left In: 1772.046+/-0.506 χ^2/NDF:14874.4/6

+ sign 1733.283+/-0.328 χ^2/NDF: 502703.2/24

All: 1731.439+/-0.234 χ^2/NDF: 918173.7/50

- sign 1729.514+/-0.335 χ^2/NDF: 415405.7/25

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 52.234+/-354.602 χ^2/NDF:12.7/8

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

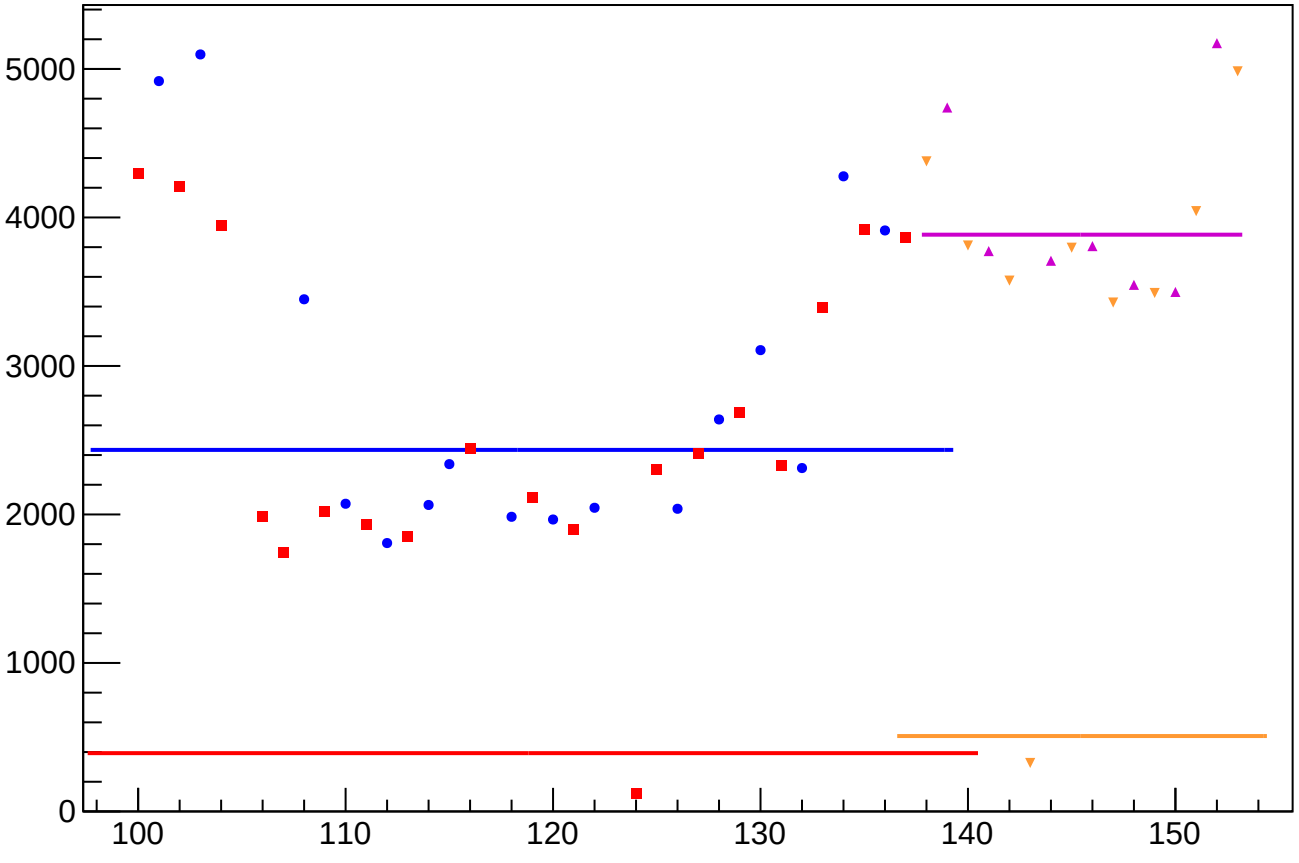
Left In: 1215.591+/-1585.324 χ^2/NDF:2.0/6

+ sign 82.149+/-332.675 χ^2/NDF: 28.1/24

All: 110.521+/-226.668 χ^2/NDF: 51.2/50

- sign 135.106+/-309.675 χ^2/NDF: 23.1/25

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 507.833+/-0.251 χ^2/NDF:9789057.7/8

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

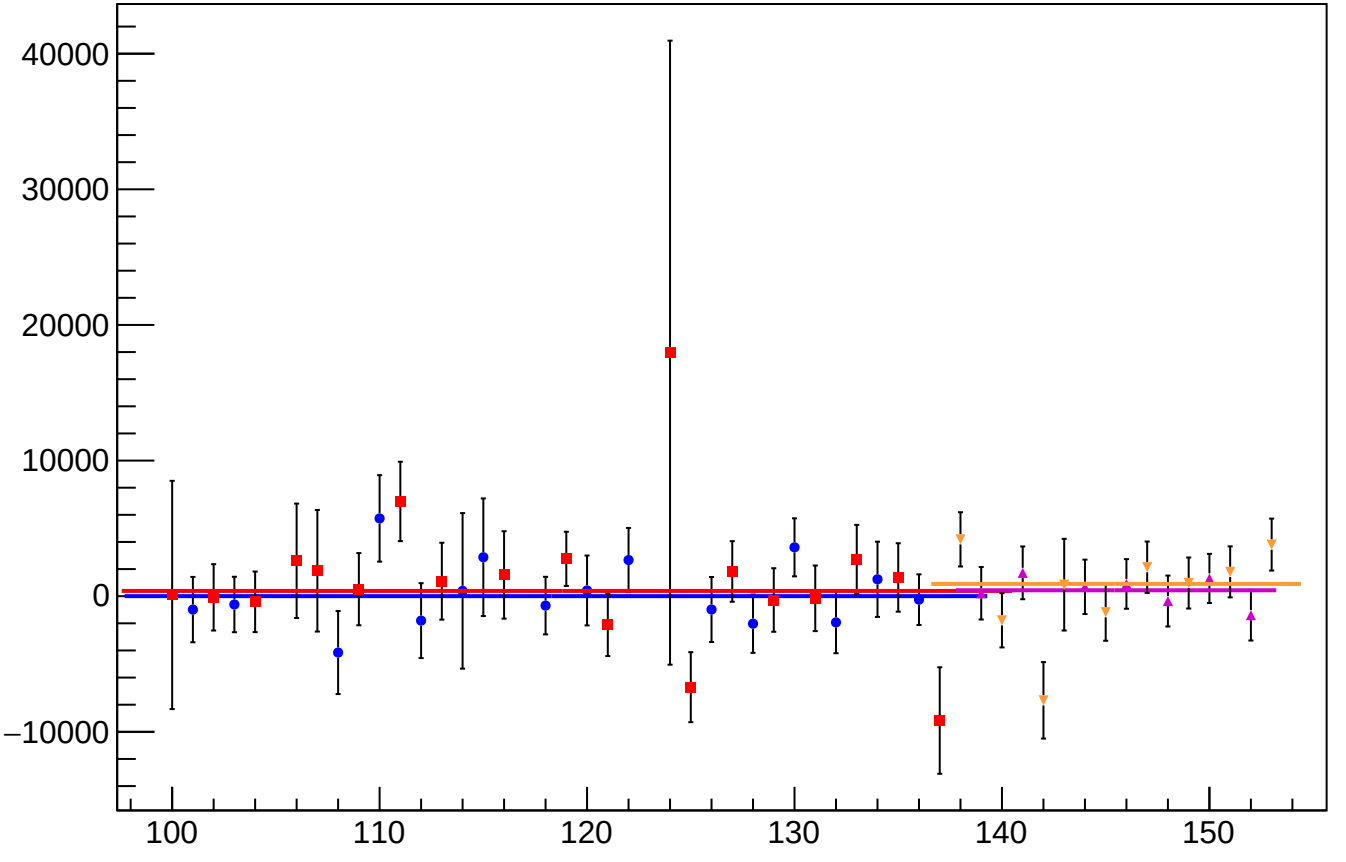
Left In: 3884.027+/-1.121 χ^2/NDF:205307.6/6

+ sign 738.774+/-0.235 χ^2/NDF: 18323123.6/24

All: 624.717+/-0.160 χ^2/NDF: 39705368.5/50

- sign 525.886+/-0.219 χ^2/NDF: 20943445.7/25

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 905.143+/-697.468 χ^2/NDF:17.7/8

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

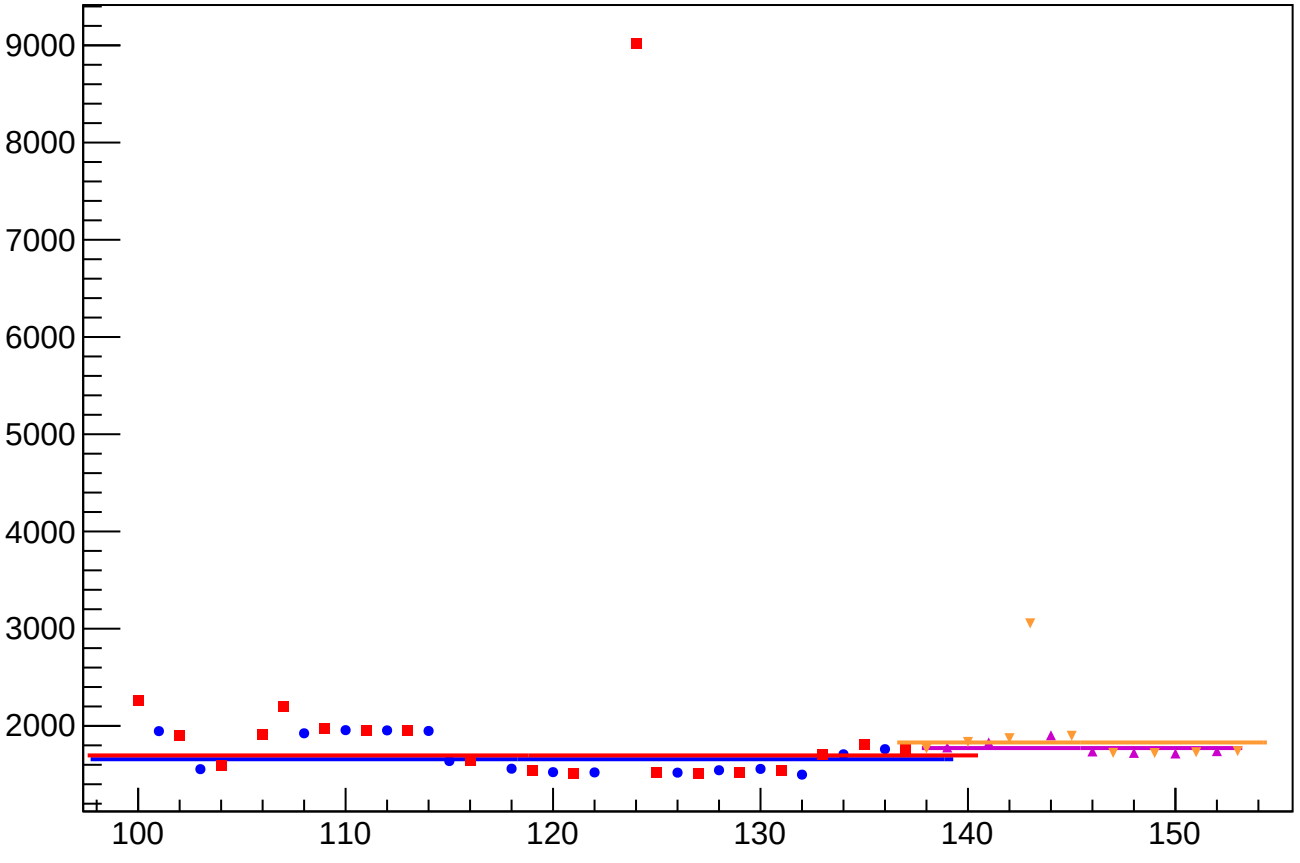
Left In: 436.373+/-715.657 χ^2/NDF:1.9/6

+ sign 401.863+/-463.345 χ^2/NDF: 31.1/24

All: 405.762+/-331.484 χ^2/NDF: 57.0/50

- sign 409.850+/-474.430 χ^2/NDF: 26.0/25

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1829.700+/-0.493 χ^2/NDF:290309.8/8

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

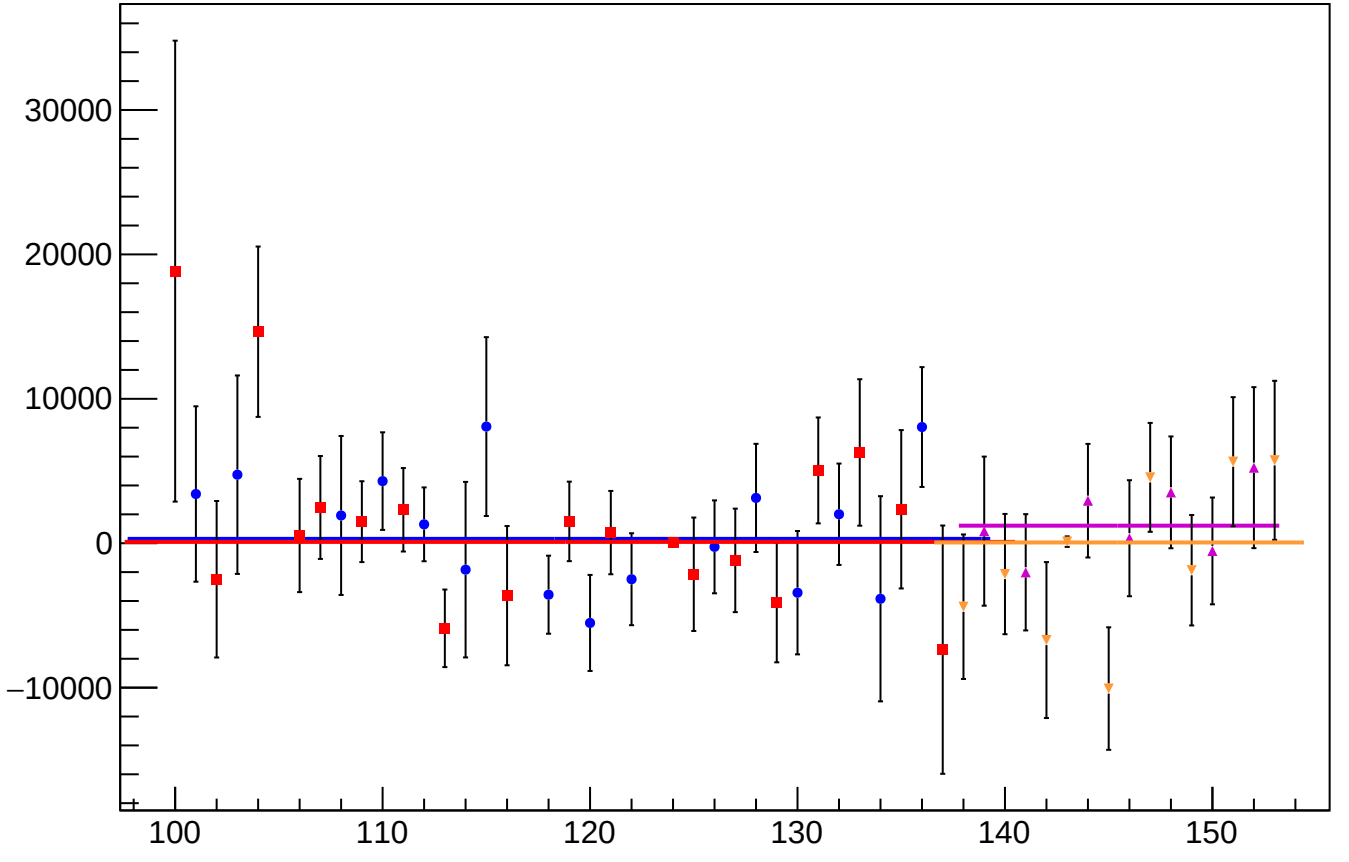
Left In: 1772.046+/-0.506 χ^2/NDF:14874.4/6

+ sign 1733.283+/-0.328 χ^2/NDF: 502703.2/24

All: 1731.439+/-0.234 χ^2/NDF: 918173.7/50

- sign 1729.514+/-0.335 χ^2/NDF: 415405.7/25

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 52.234+/-354.602 χ^2/NDF:12.7/8

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

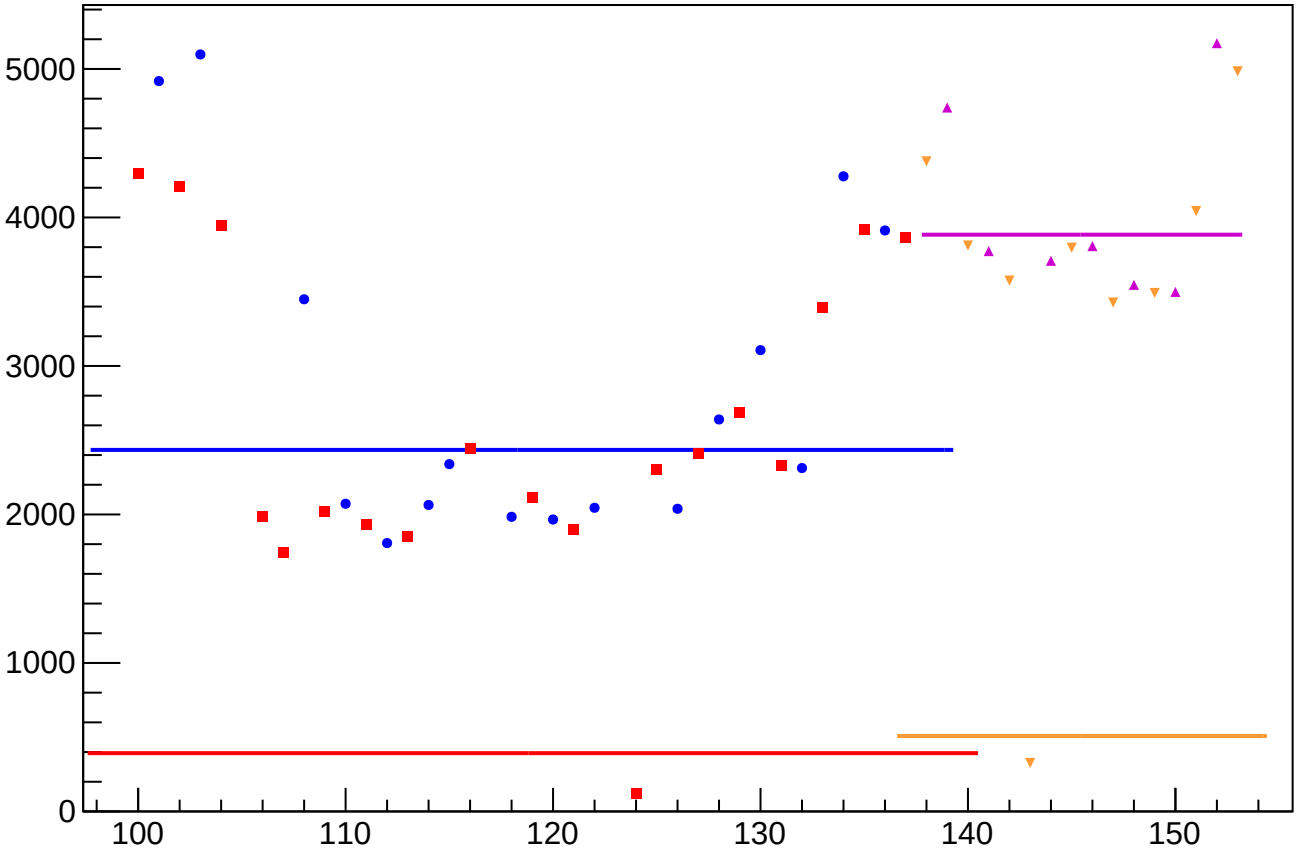
Left In: 1215.591+/-1585.324 χ^2/NDF:2.0/6

\+ sign 82.149+/-332.675 χ^2/NDF: 28.1/24

All: 110.521+/-226.668 χ^2/NDF: 51.2/50

\- sign 135.106+/-309.675 χ^2/NDF: 23.1/25

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 507.833+/-0.251 χ^2/NDF:9789057.7/8

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

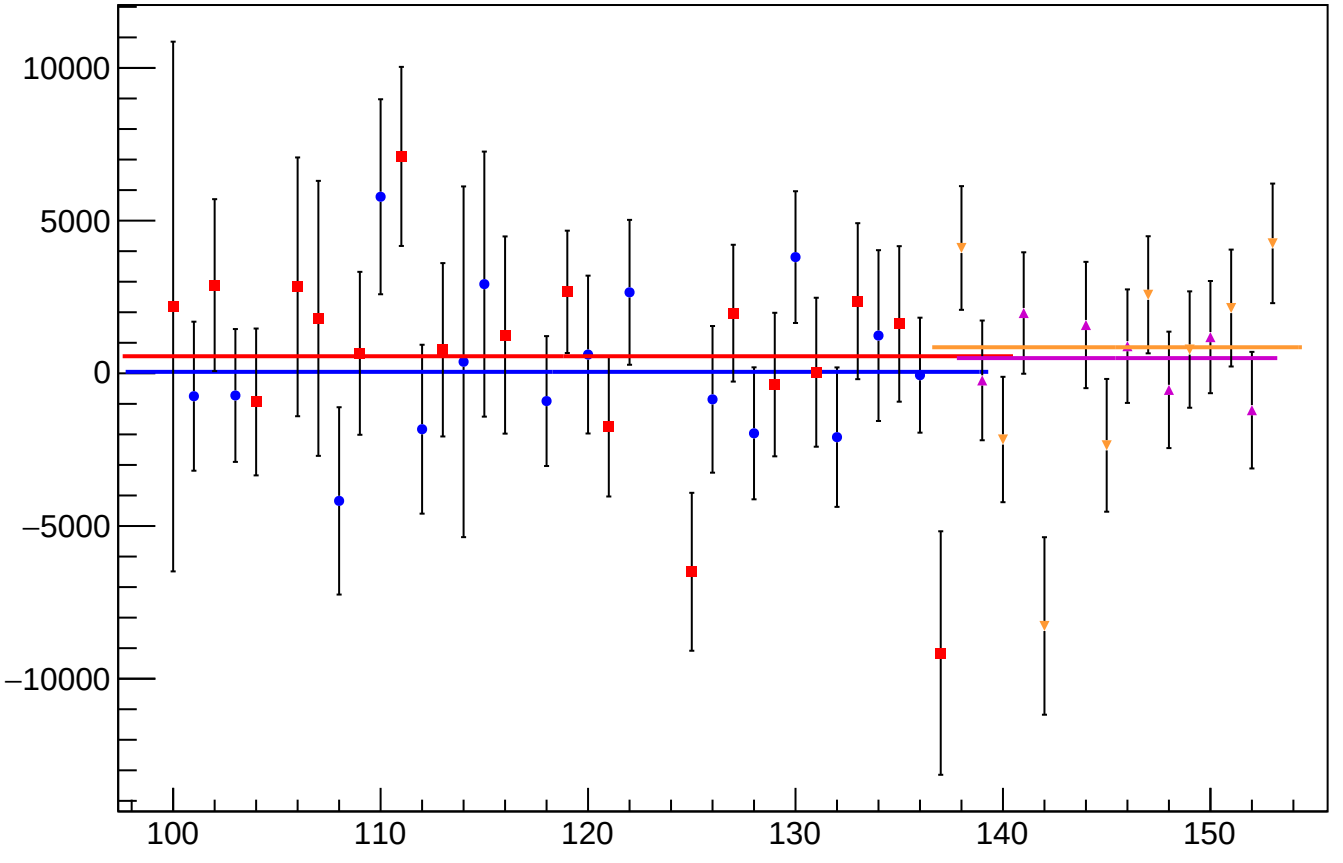
Left In: 3884.027+/-1.121 χ^2/NDF:205307.6/6

+ sign 738.774+/-0.235 χ^2/NDF: 18323123.6/24

All: 624.717+/-0.160 χ^2/NDF: 39705368.5/50

- sign 525.886+/-0.219 χ^2/NDF: 20943445.7/25

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 853.864+/-726.951 χ^2/NDF:21.1/7

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

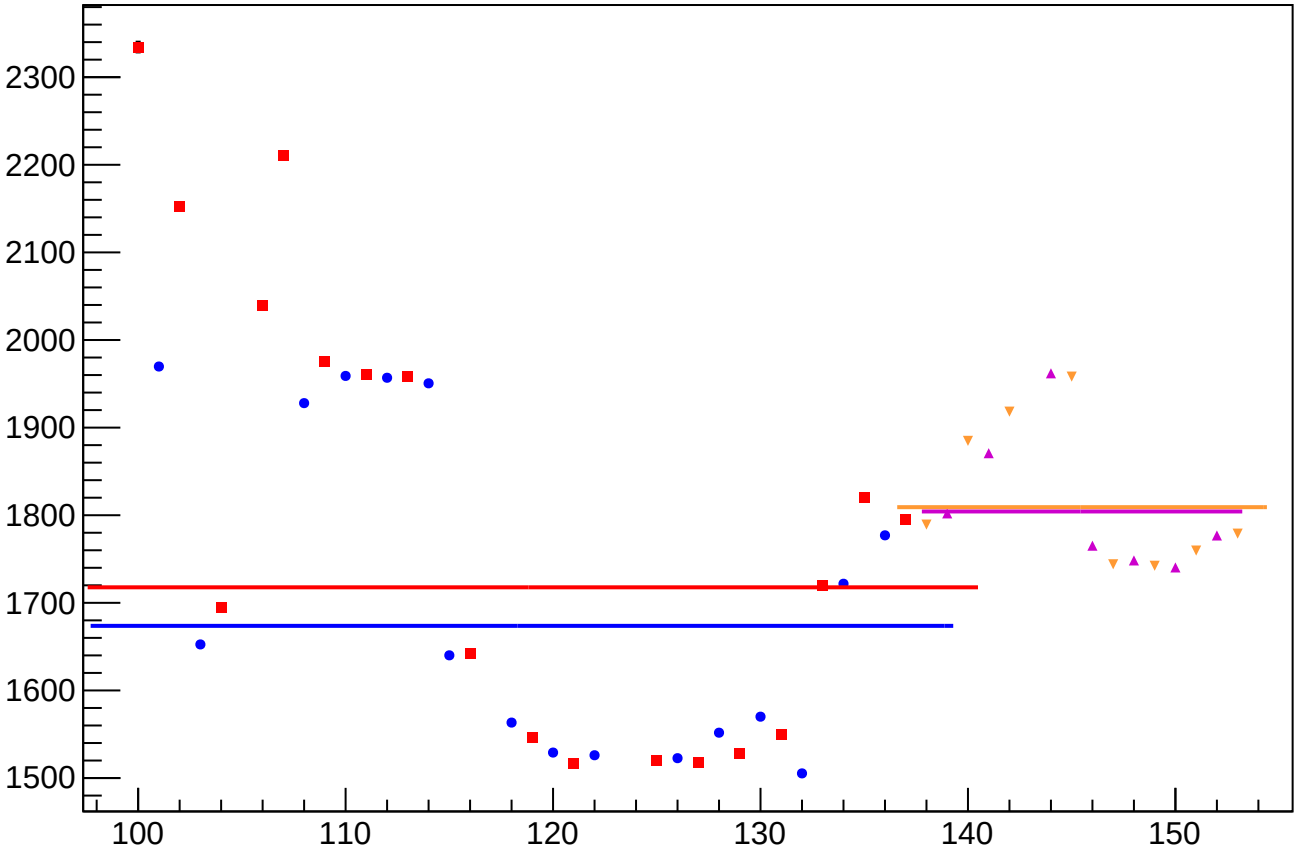
Left In: 498.337+/-728.856 χ^2/NDF:2.2/6

+ sign 391.420+/-474.424 χ^2/NDF: 34.6/23

All: 460.763+/-338.510 χ^2/NDF: 60.1/48

- sign 532.679+/-483.145 χ^2/NDF: 25.5/24

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1809.198+/-0.514 χ^2/NDF:21715.3/7

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

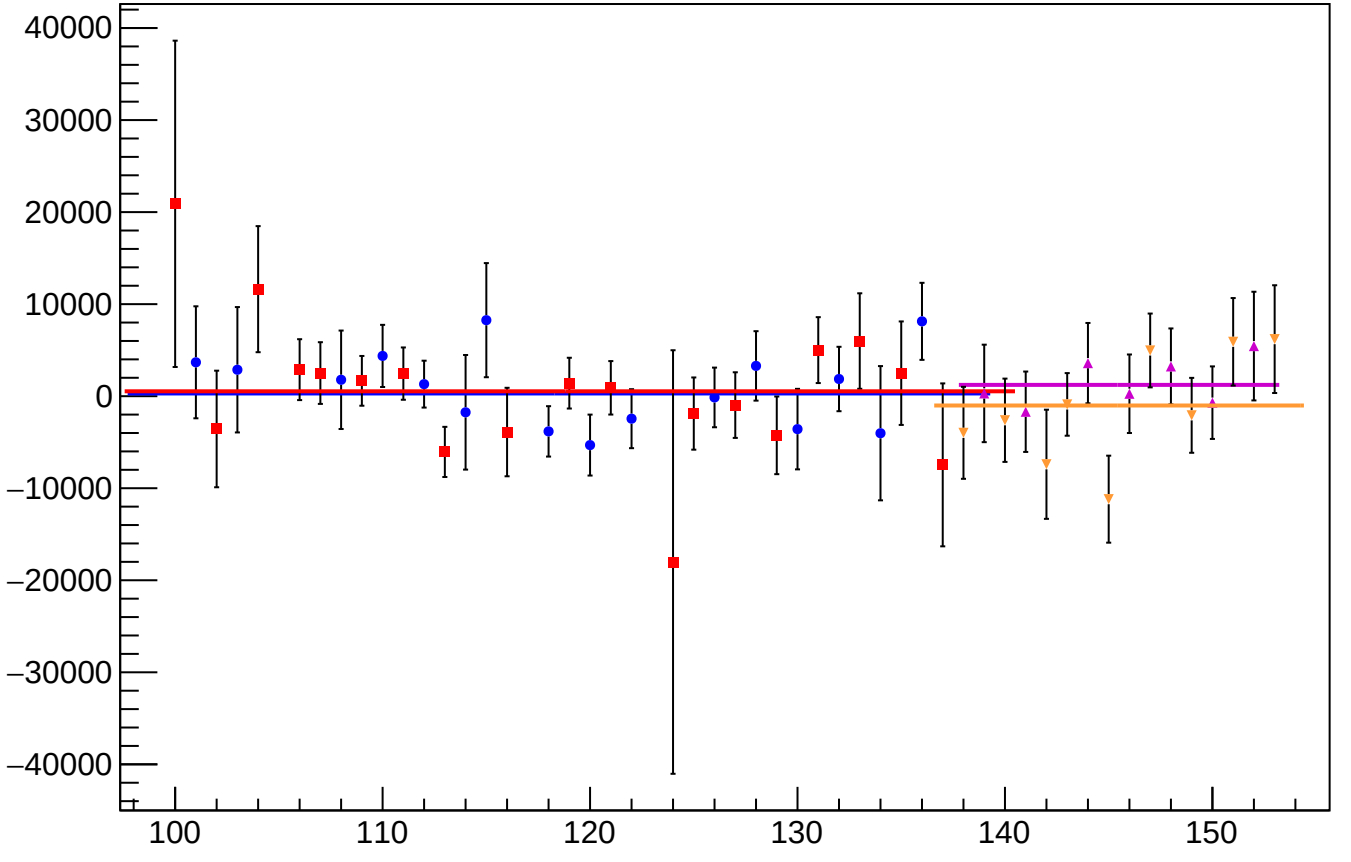
Left In: 1804.299+/-0.515 χ^2/NDF:19304.0/6

+ sign 1731.427+/-0.335 χ^2/NDF: 202461.4/23

All: 1743.339+/-0.239 χ^2/NDF: 467827.8/48

- sign 1755.661+/-0.341 χ^2/NDF: 262801.1/24

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -1012.180+/-1499.790 χ^2/NDF:12.2/8

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

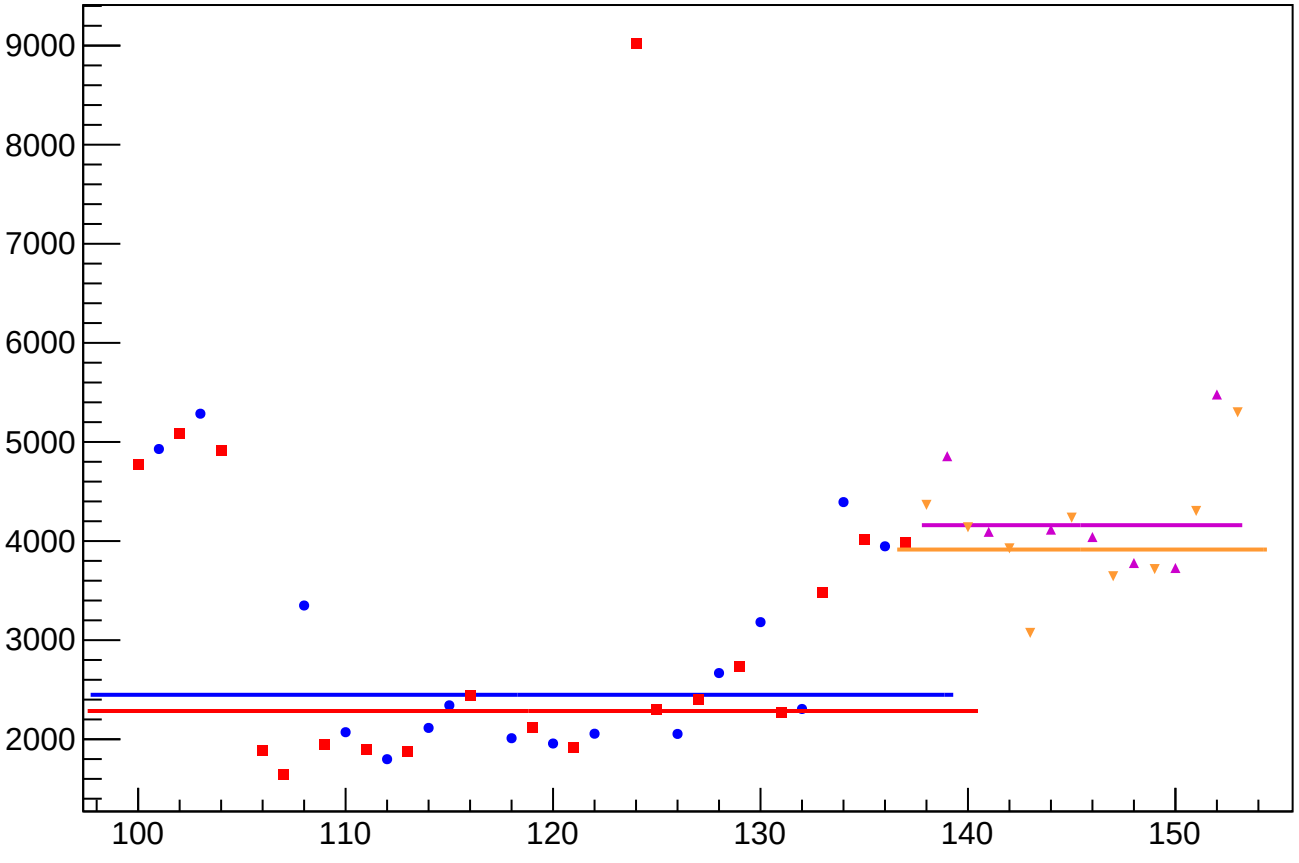
Left In: 1227.077+/-1696.631 χ^2/NDF:1.8/6

+ sign -86.467+/-811.336 χ^2/NDF: 28.0/24

All: 309.725+/-563.768 χ^2/NDF: 49.2/50

- sign 679.618+/-783.946 χ^2/NDF: 20.7/25

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3914.488+/-1.061 χ^2/NDF:291879.2/8

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

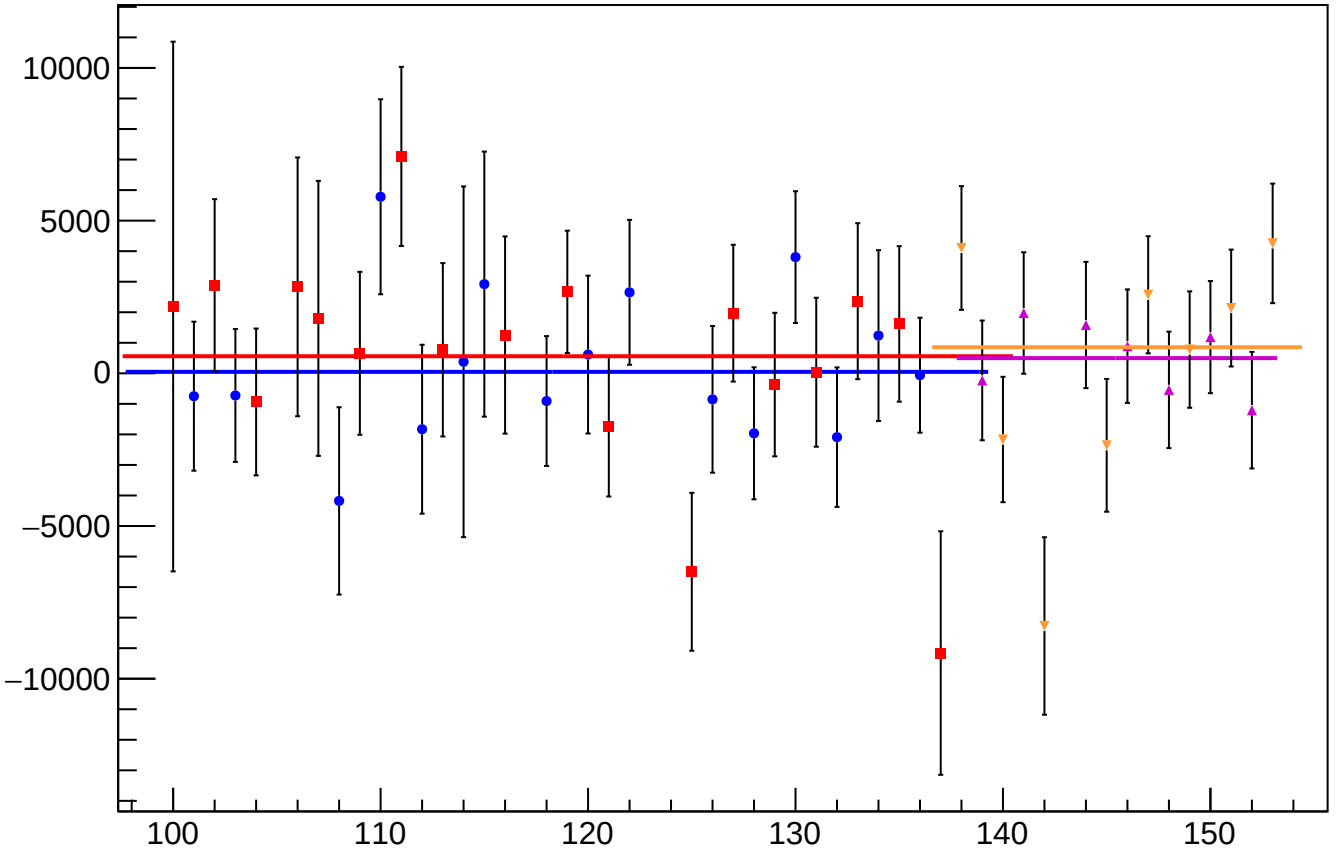
Left In: 4160.316+/-1.200 χ^2/NDF:177788.2/6

+ sign 2877.583+/-0.574 χ^2/NDF: 3160943.9/24

All: 2778.213+/-0.399 χ^2/NDF: 6867186.0/50

- sign 2685.439+/-0.554 χ^2/NDF: 3648230.8/25

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 853.860+/-726.951 χ^2/NDF:21.1/7

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

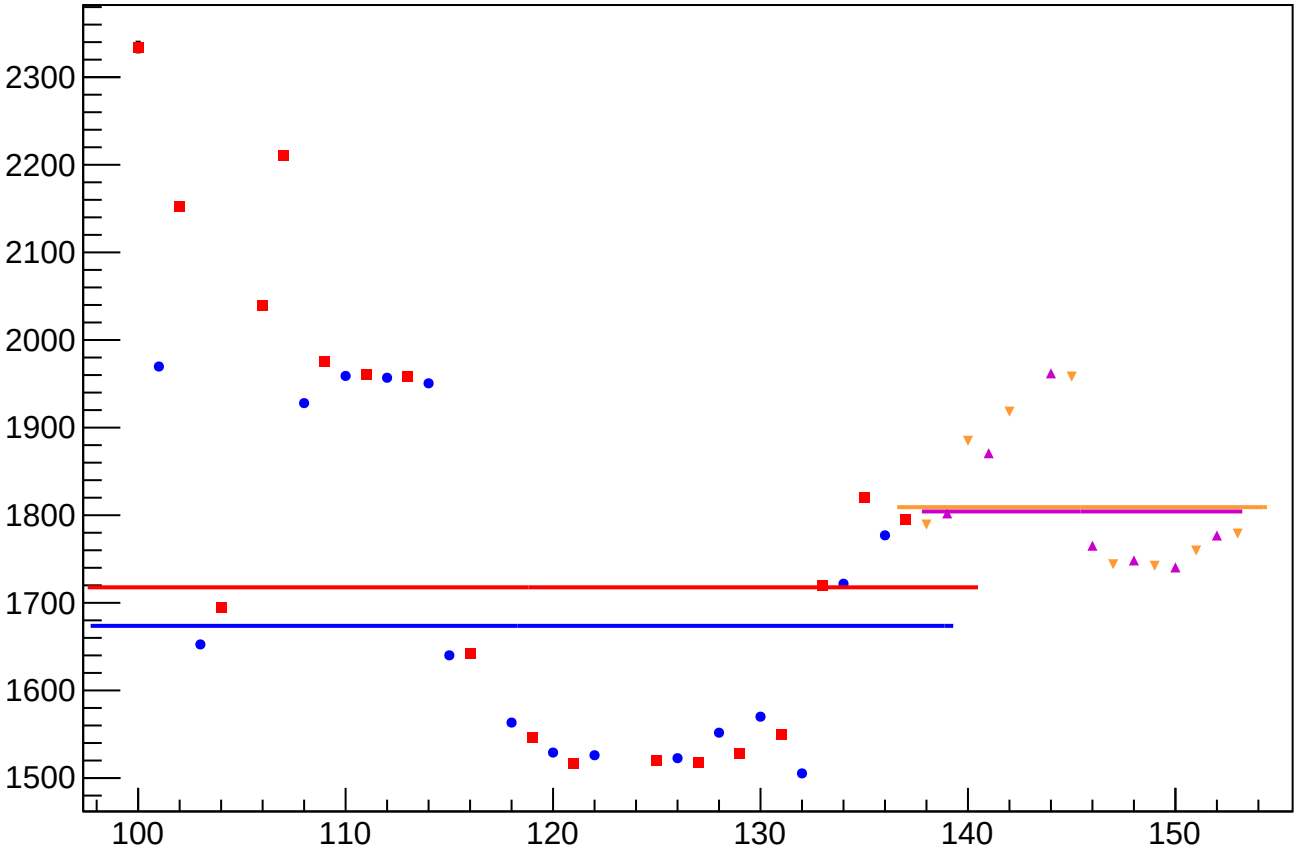
Left In: 498.339+/-728.857 χ^2/NDF:2.2/6

+ sign 391.417+/-474.424 χ^2/NDF: 34.6/23

All: 460.763+/-338.510 χ^2/NDF: 60.1/48

- sign 532.682+/-483.145 χ^2/NDF: 25.5/24

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1809.199+/-0.514 χ^2/NDF:21715.8/7

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

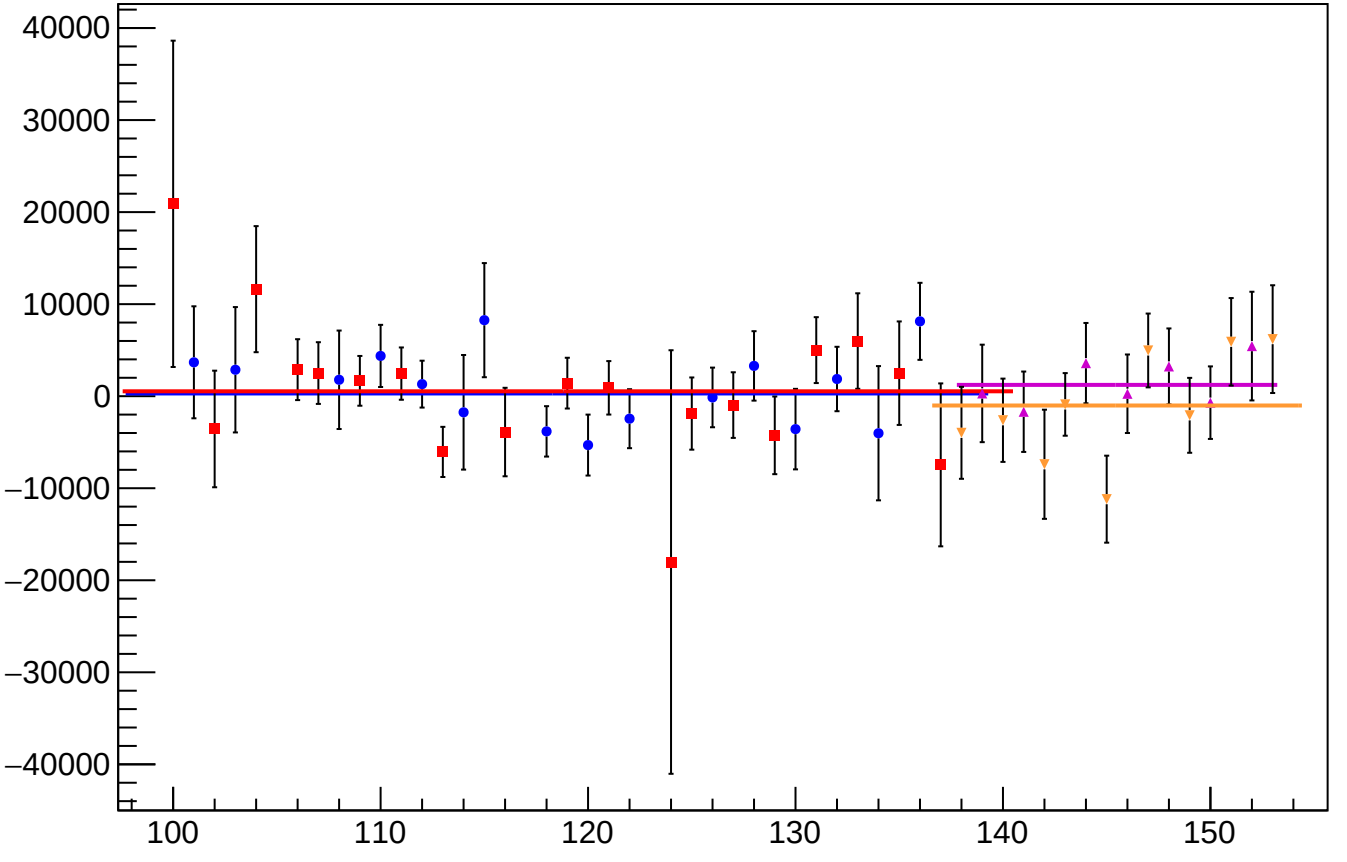
Left In: 1804.300+/-0.515 χ^2/NDF:19304.2/6

+ sign 1731.427+/-0.335 χ^2/NDF: 202462.5/23

All: 1743.340+/-0.239 χ^2/NDF: 467828.6/48

- sign 1755.662+/-0.341 χ^2/NDF: 262801.0/24

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -1012.177+/-1499.791 χ^2/NDF:12.2/8

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

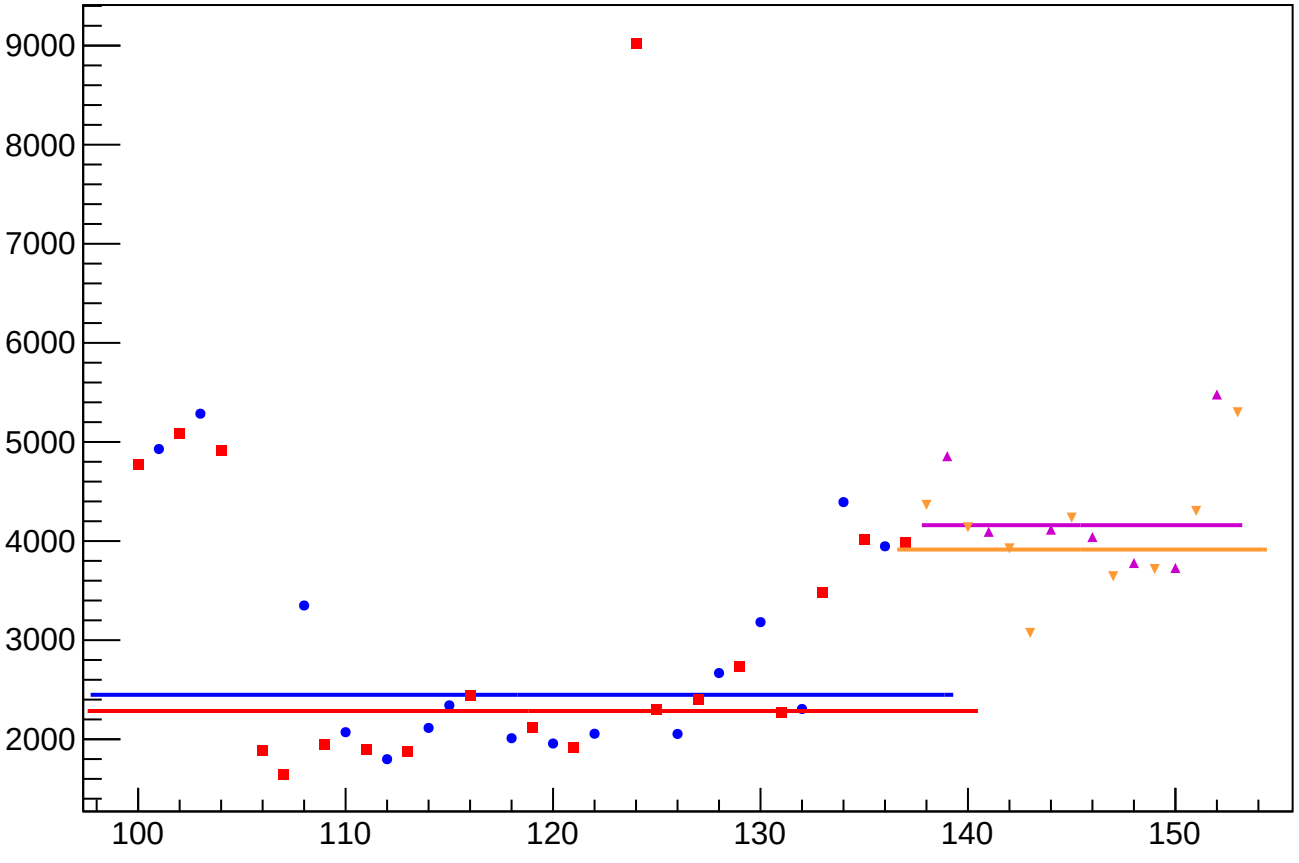
Left In: 1227.079+/-1696.634 χ^2/NDF:1.8/6

+ sign -86.467+/-811.334 χ^2/NDF: 28.0/24

All: 309.725+/-563.767 χ^2/NDF: 49.2/50

- sign 679.619+/-783.944 χ^2/NDF: 20.7/25

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3914.491+/-1.061 χ^2/NDF:291882.3/8

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

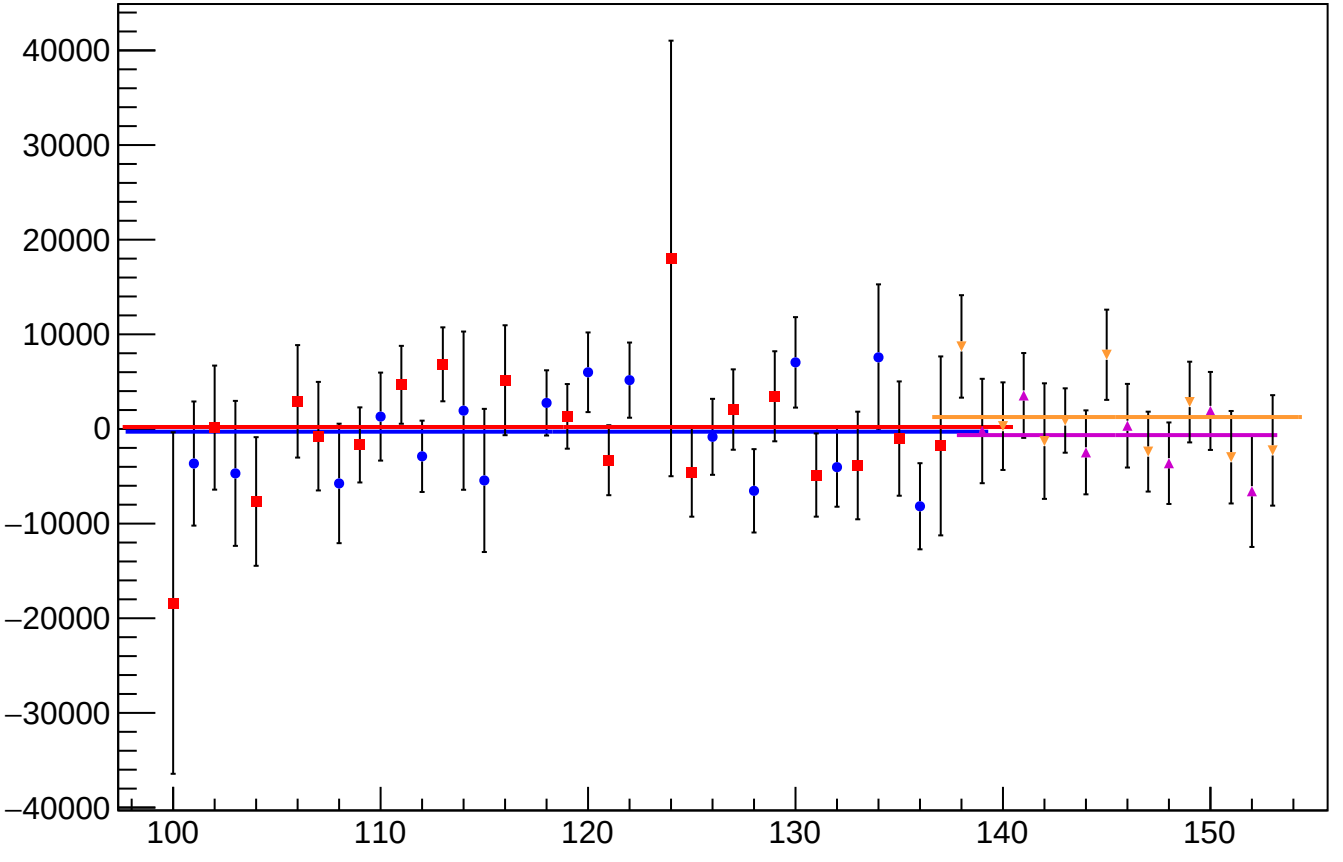
Left In: 4160.321+/-1.200 χ^2/NDF:177790.4/6

+ sign 2877.574+/-0.574 χ^2/NDF: 3160987.9/24

All: 2778.204+/-0.399 χ^2/NDF: 6867266.7/50

- sign 2685.430+/-0.554 χ^2/NDF: 3648267.7/25

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1260.659+/-1542.265 χ^2/NDF:6.0/8

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

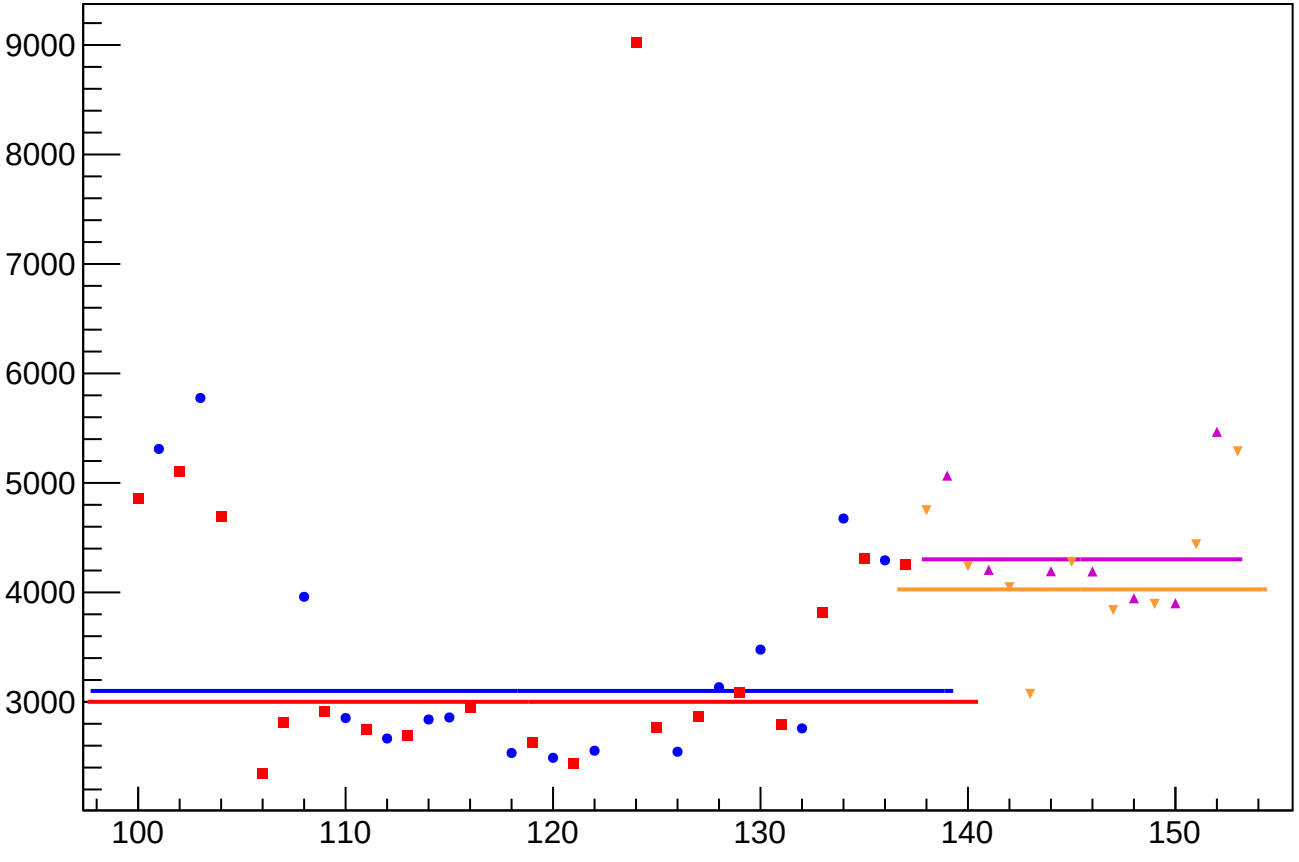
Left In: -647.735+/-1750.500 χ^2/NDF:3.0/6

+ sign 294.842+/-945.776 χ^2/NDF: 23.2/24

All: 125.527+/-674.884 χ^2/NDF: 39.3/50

- sign -50.129+/-963.326 χ^2/NDF: 16.0/25

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4027.570+/-1.091 χ^2/NDF:316317.6/8

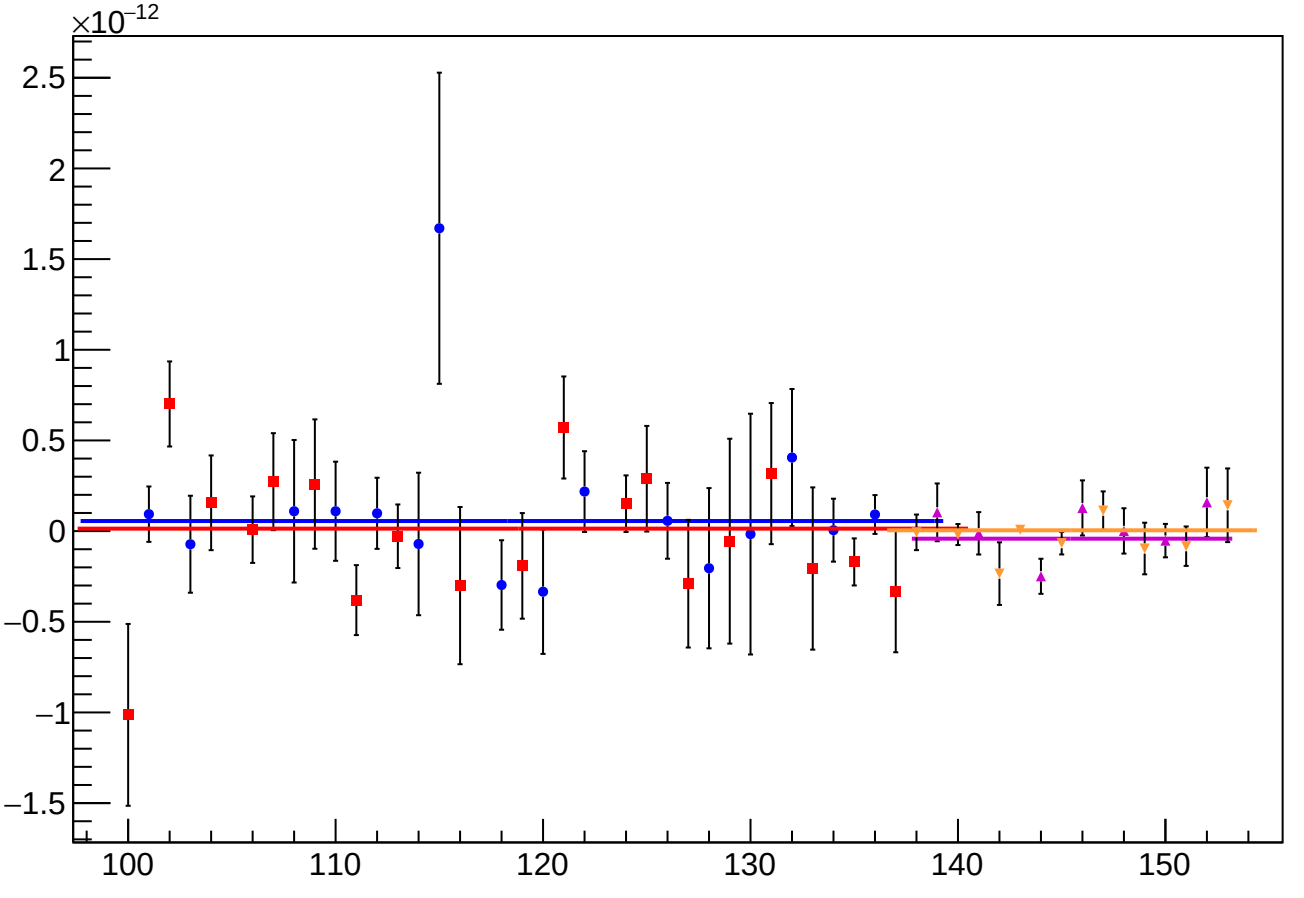
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4301.989+/-1.238 χ^2/NDF:152721.6/6

+ sign 3448.907+/-0.669 χ^2/NDF: 1731242.3/24

All: 3418.425+/-0.475 χ^2/NDF: 3471522.9/50

- sign 3387.398+/-0.675 χ^2/NDF: 1736088.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/8

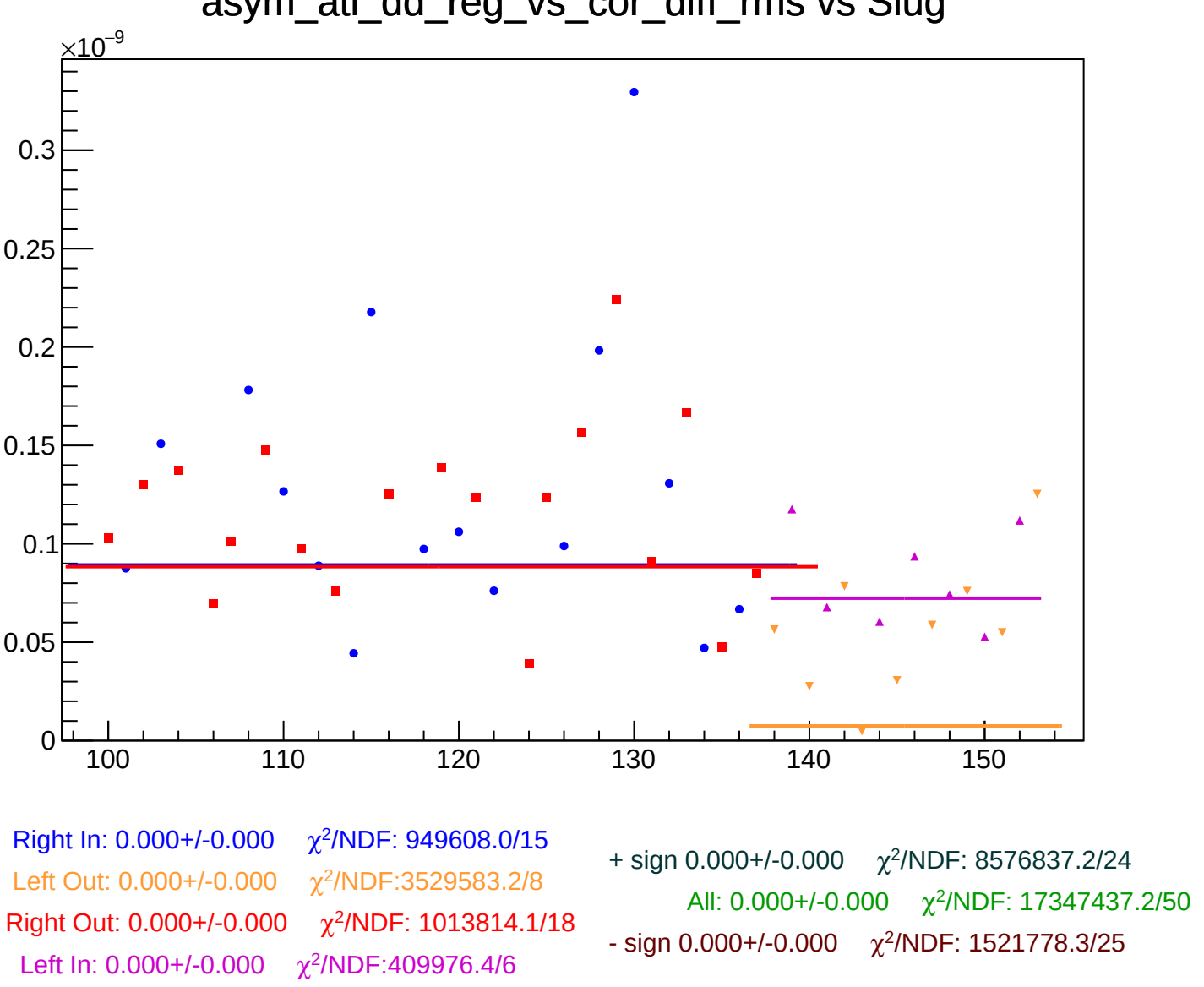
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

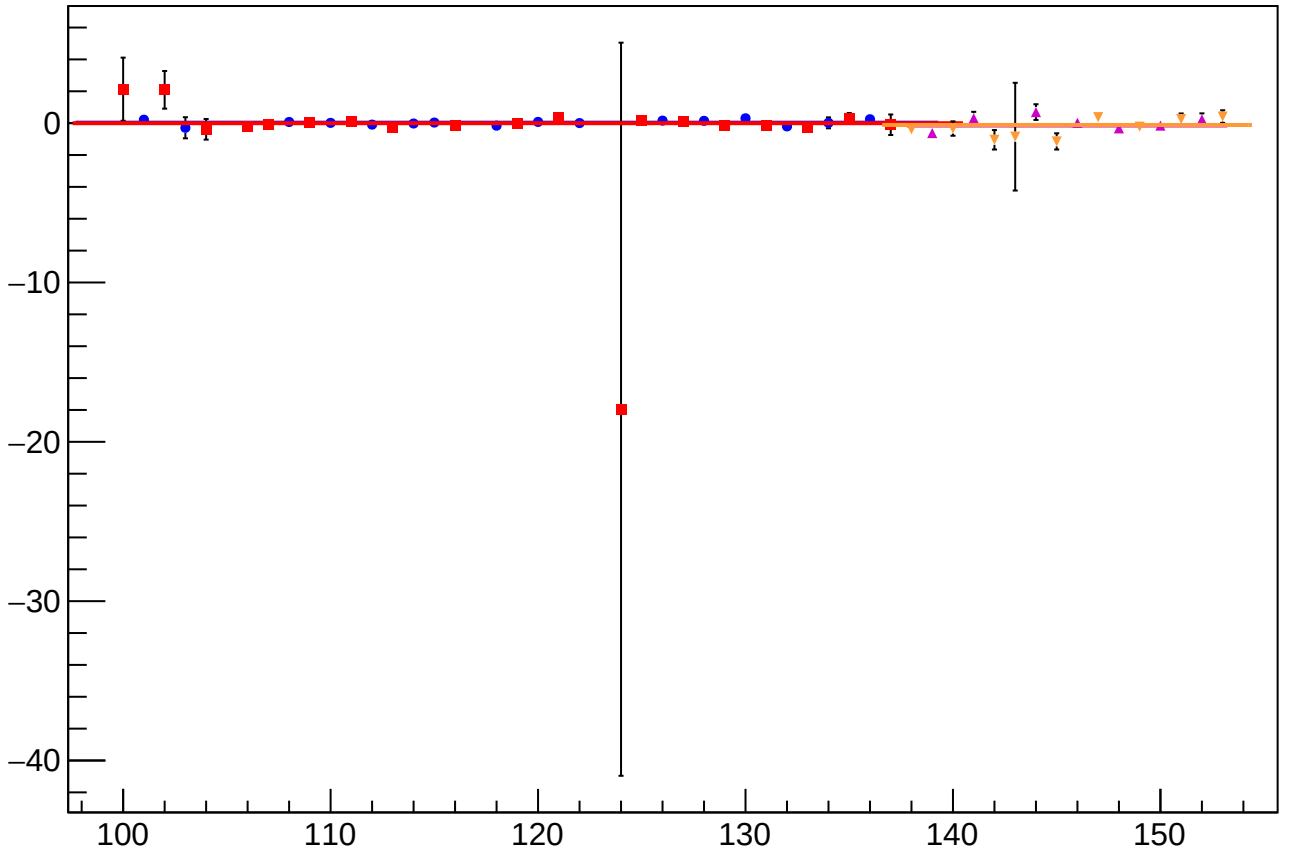
Left In: -0.000+/-0.000 χ^2/NDF:8.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 16.3/24

All: 0.000+/-0.000 χ^2/NDF: 55.3/50

- sign -0.000+/-0.000 χ^2/NDF: 38.6/25


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:3529583.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:409976.4/6
+ sign 0.000+/-0.000 χ²/NDF: 8576837.2/24
All: 0.000+/-0.000 χ²/NDF: 17347437.2/50
- sign 0.000+/-0.000 χ²/NDF: 1521778.3/25



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.115+/-0.129 χ^2/NDF:13.4/8

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

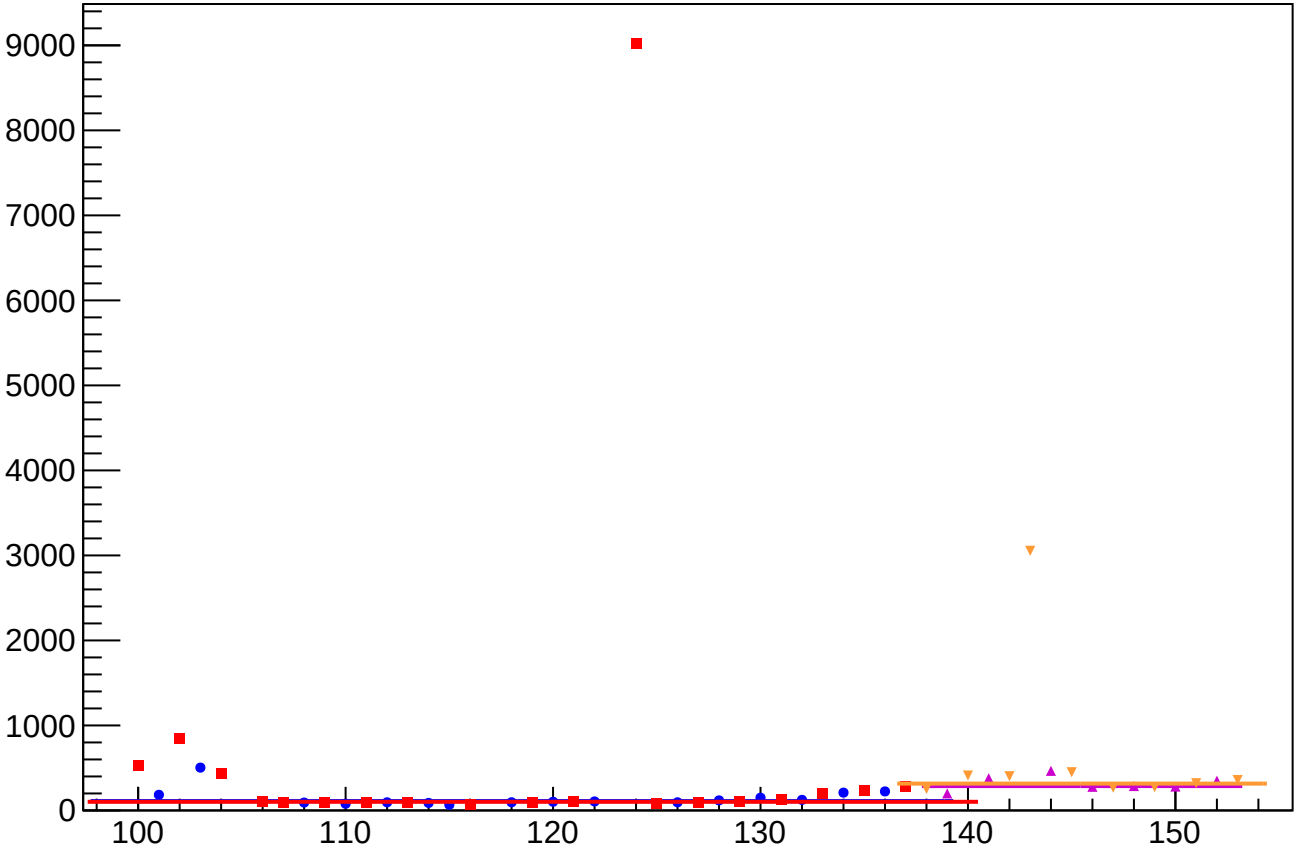
Left In: -0.147+/-0.121 χ^2/NDF:10.0/6

+ sign 0.012+/-0.043 χ^2/NDF: 23.3/24

All: -0.004+/-0.030 χ^2/NDF: 57.3/50

- sign -0.020+/-0.041 χ^2/NDF: 33.7/25

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 315.906+/-0.091 χ^2/NDF:1785884.3/8

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

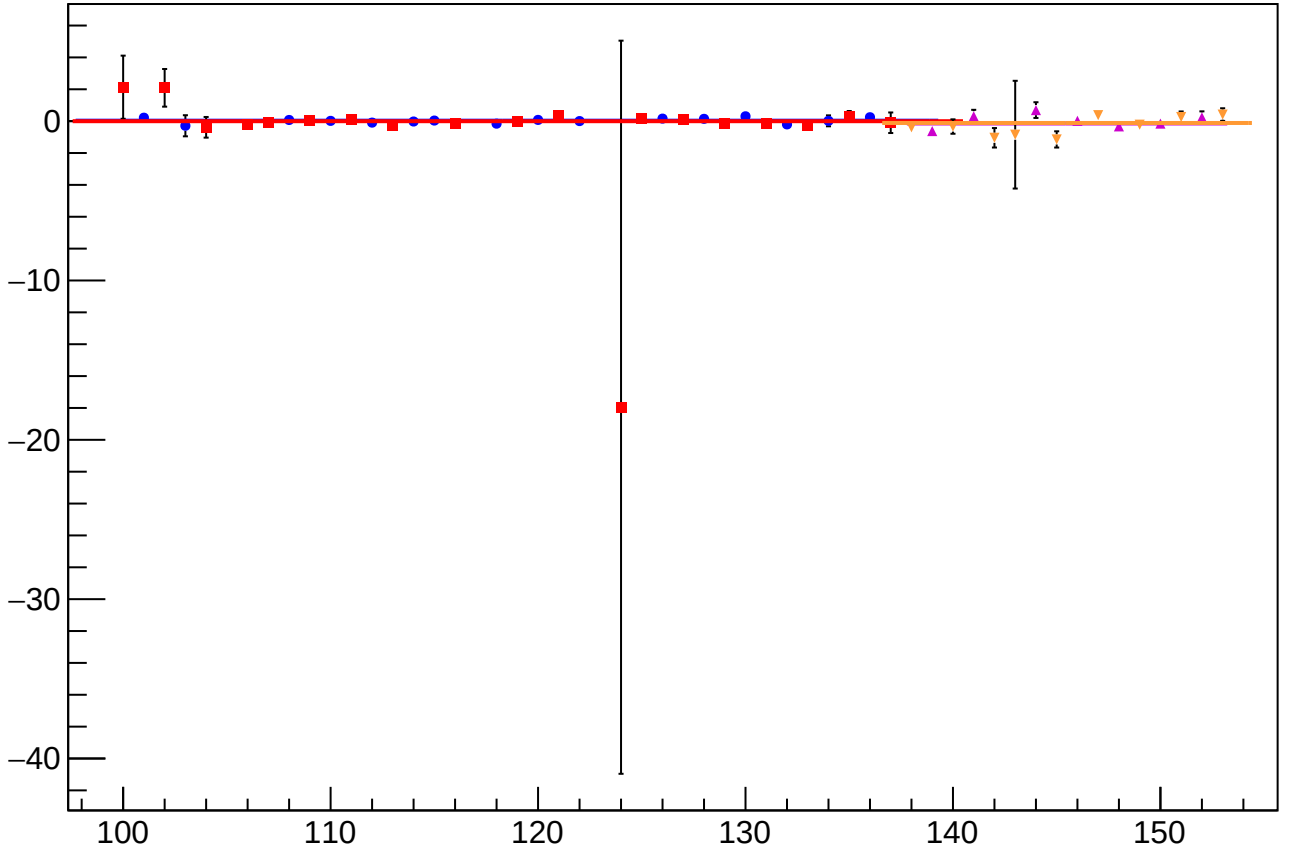
Left In: 286.652+/-0.086 χ^2/NDF:704243.4/6

+ sign 132.663+/-0.030 χ^2/NDF: 8266977.6/24

All: 127.544+/-0.021 χ^2/NDF: 15745889.2/50

- sign 122.871+/-0.029 χ^2/NDF: 7424017.8/25

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.115+/-0.129 χ^2/NDF:13.4/8

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

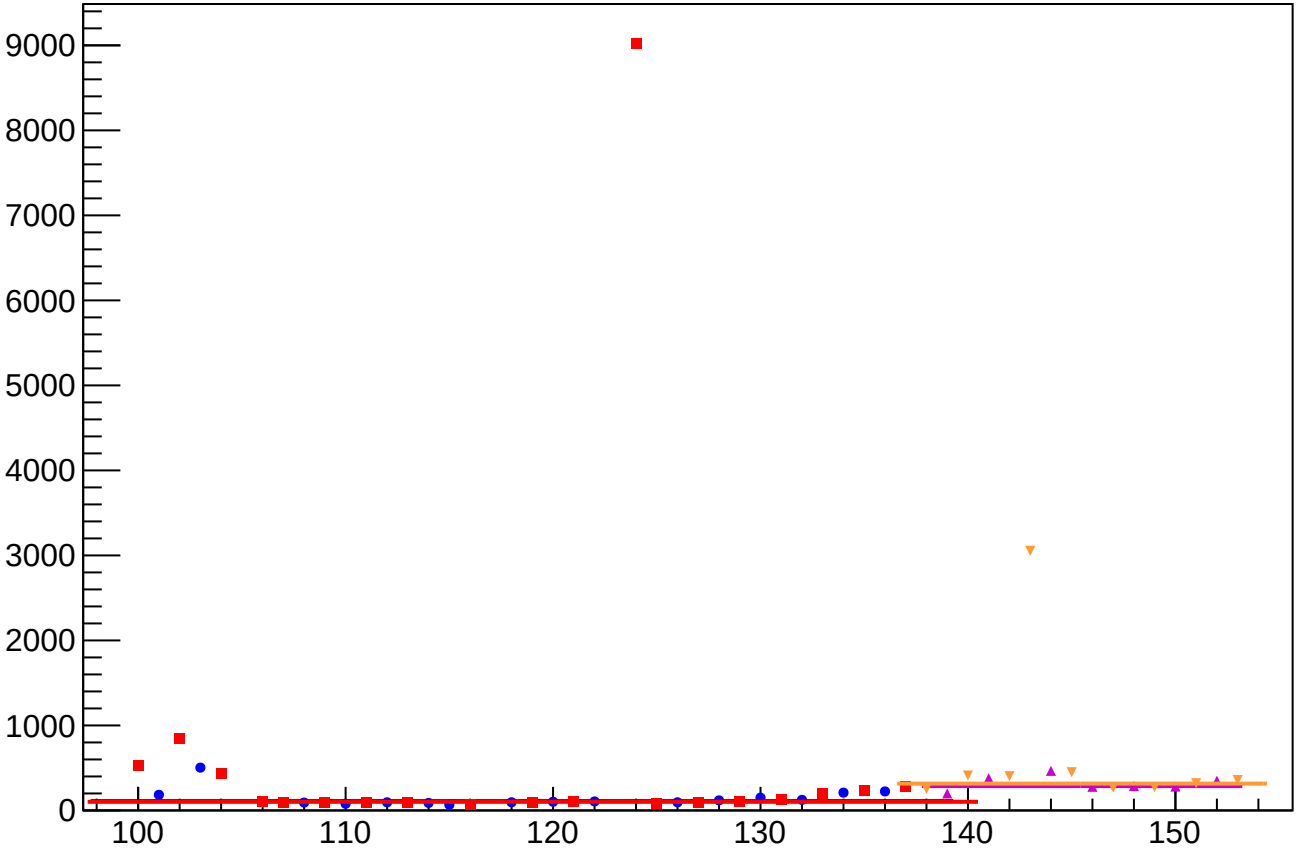
Left In: -0.147+/-0.121 χ^2/NDF:10.0/6

+ sign 0.012+/-0.043 χ^2/NDF: 23.3/24

All: -0.004+/-0.030 χ^2/NDF: 57.3/50

- sign -0.020+/-0.041 χ^2/NDF: 33.7/25

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 315.906+/-0.091 χ^2/NDF:1785884.3/8

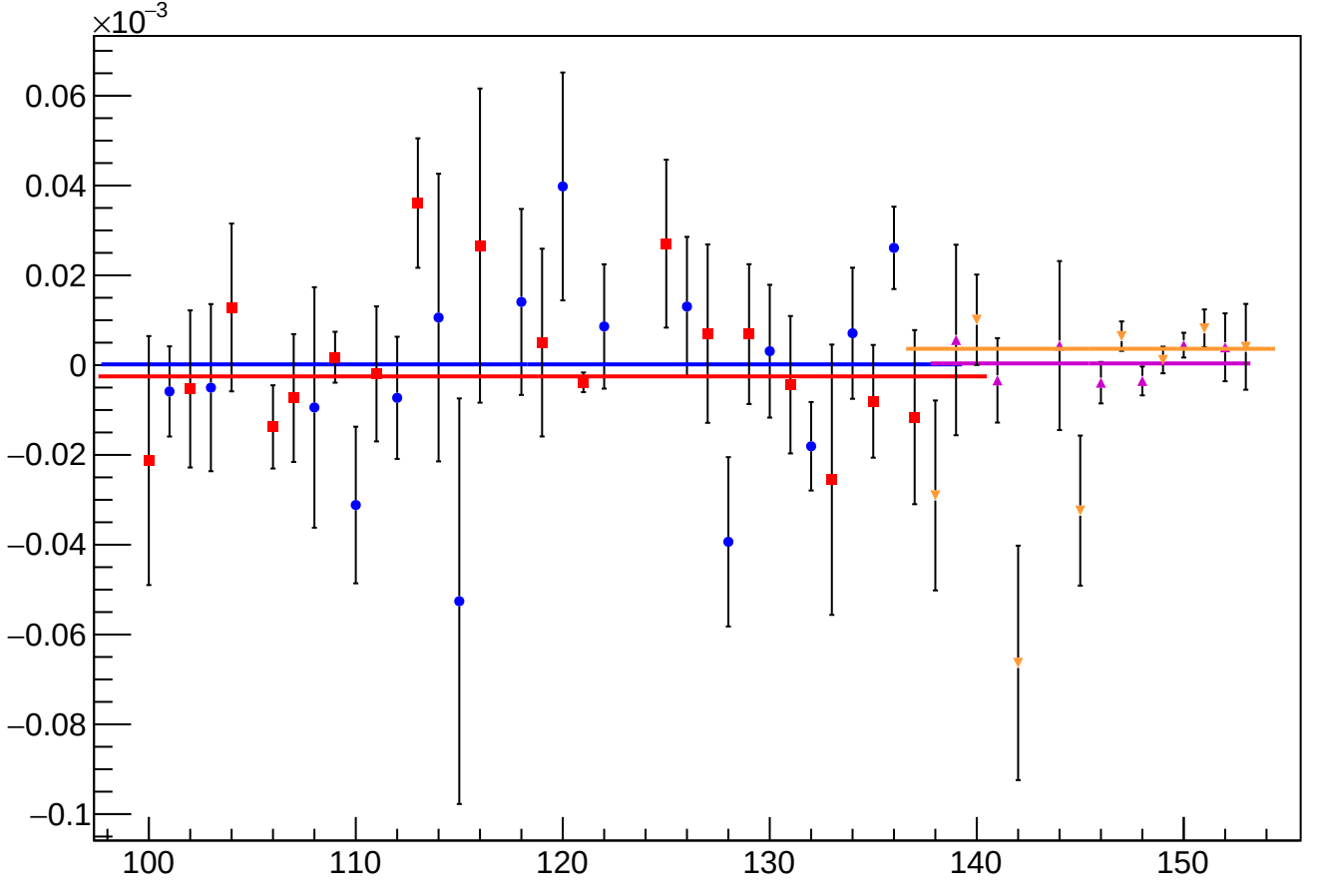
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 286.652+/-0.086 χ^2/NDF:704243.4/6

+ sign 132.663+/-0.030 χ^2/NDF: 8266977.6/24

All: 127.544+/-0.021 χ^2/NDF: 15745889.2/50

- sign 122.871+/-0.029 χ^2/NDF: 7424017.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

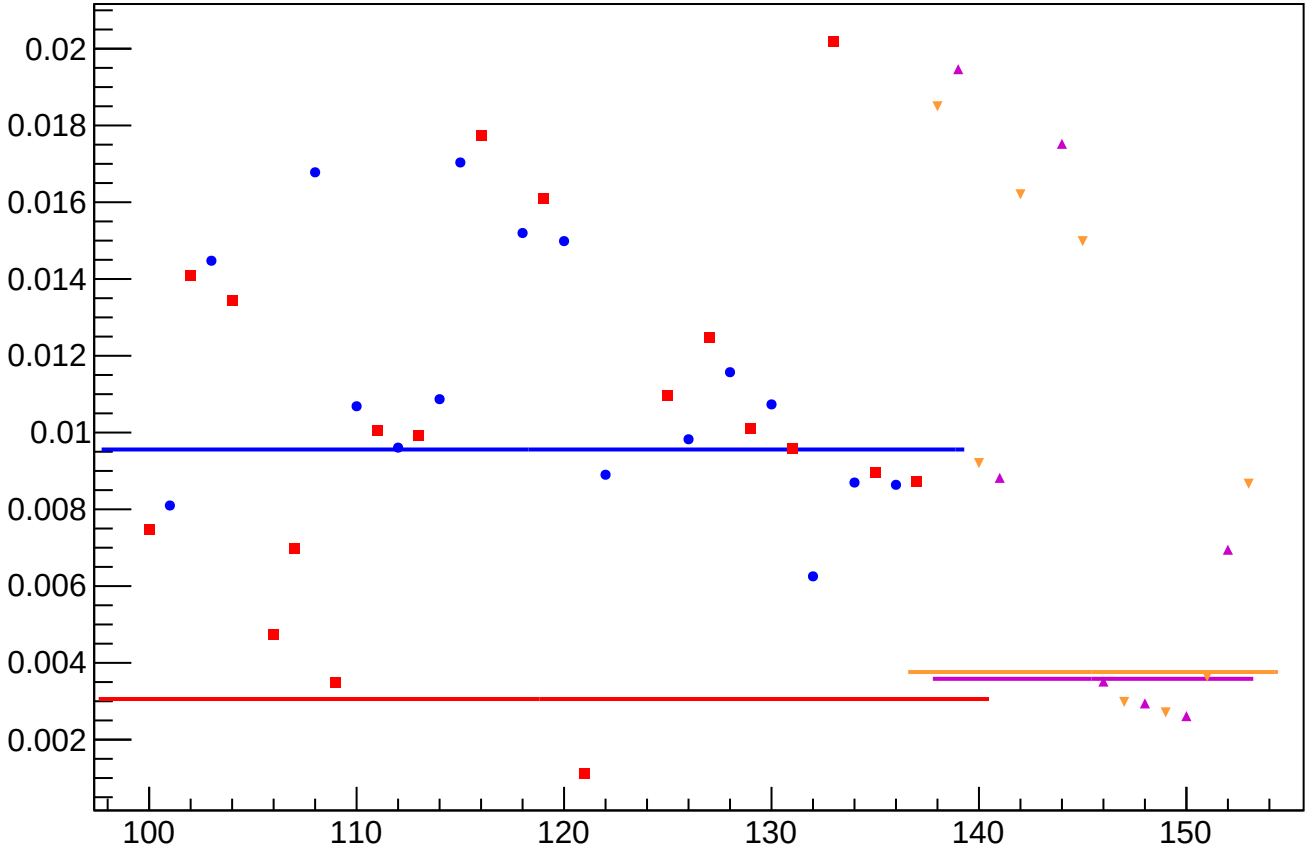
Left In: 0.000+/-0.000 χ^2/NDF:5.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/23

All: 0.000+/-0.000 χ^2/NDF: 69.2/48

- sign -0.000+/-0.000 χ^2/NDF: 22.0/24

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:3805402.8/7

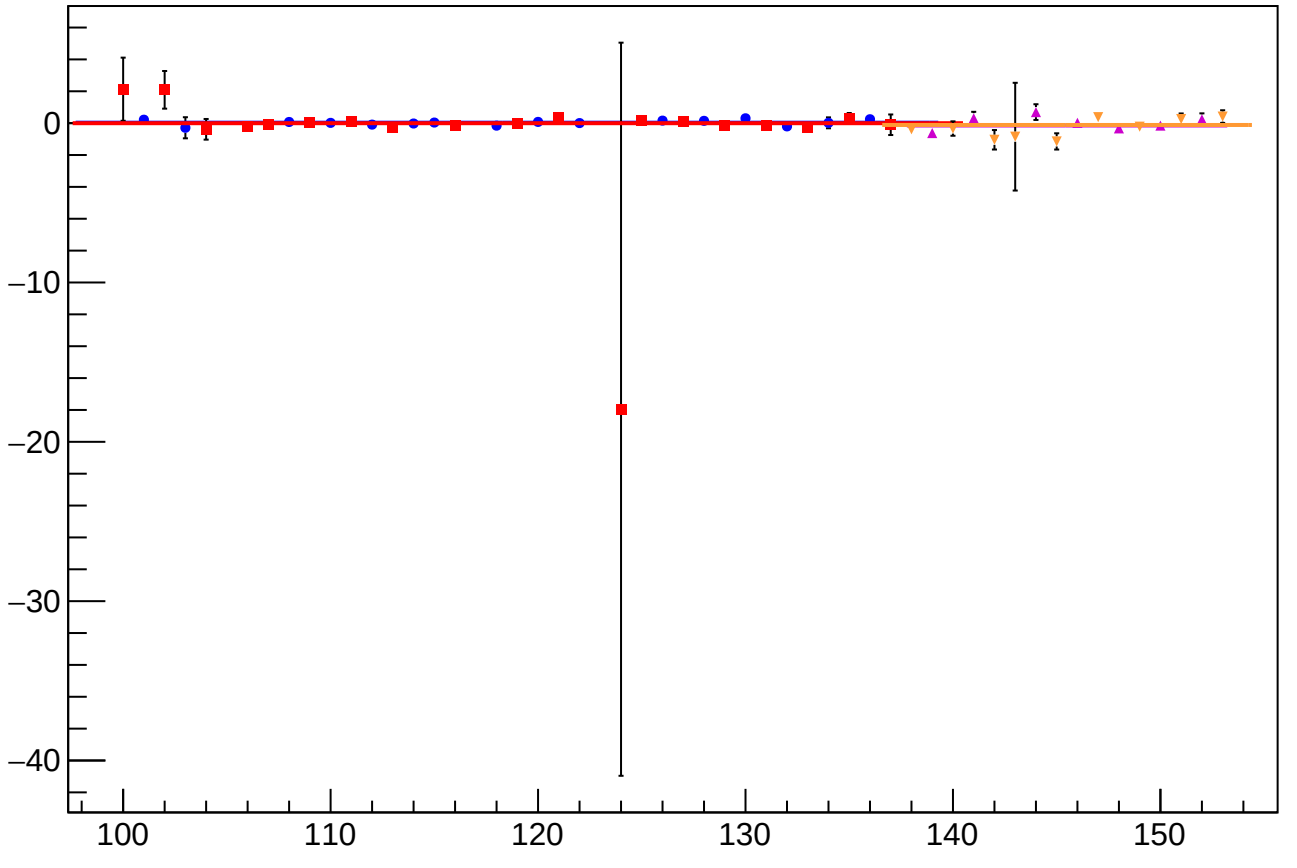
Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:3560834.4/6

+ sign 0.005+/-0.000 χ^2/NDF: 8605691.4/23

All: 0.004+/-0.000 χ^2/NDF: 21512675.5/48

- sign 0.003+/-0.000 χ^2/NDF: 11767192.8/24



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.115+/-0.129 χ^2/NDF:13.4/8

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

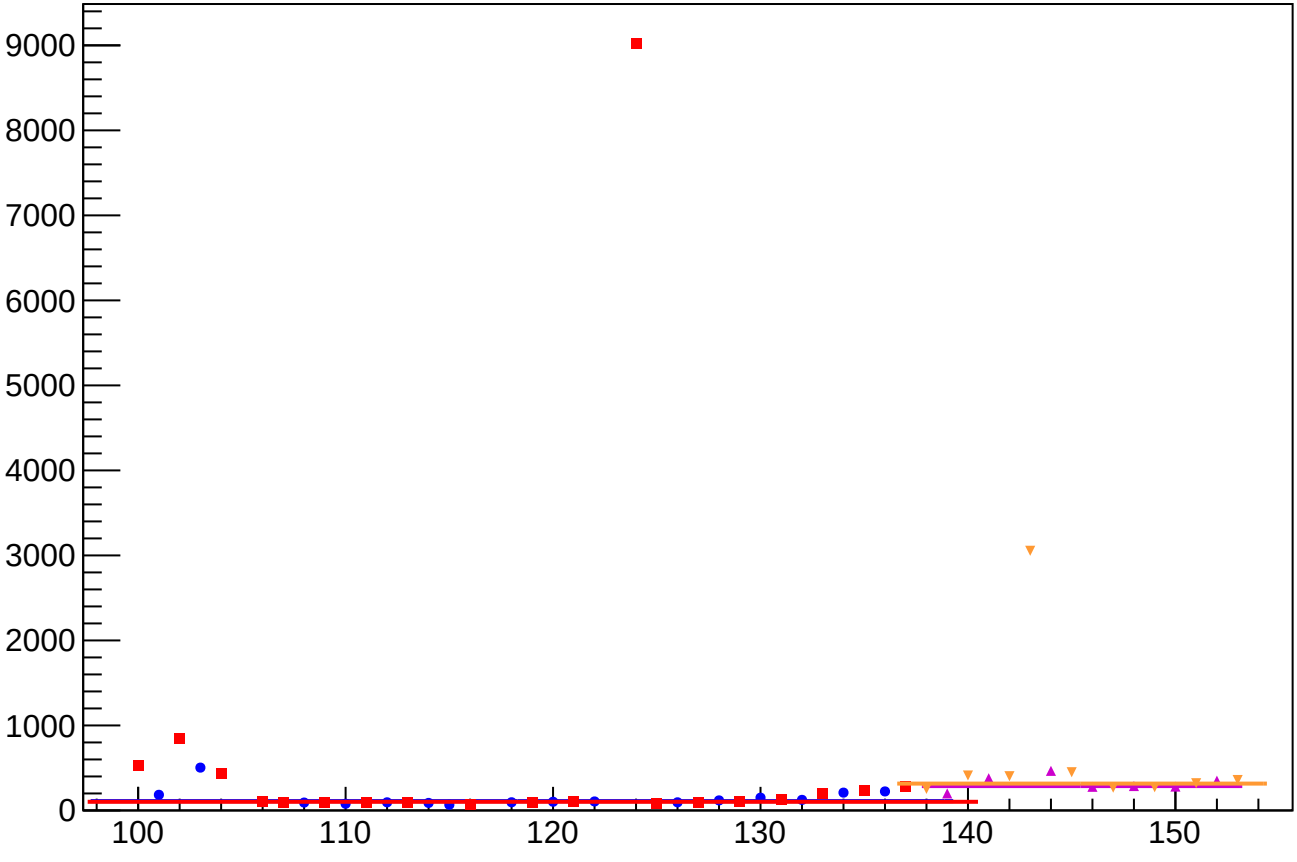
Left In: -0.147+/-0.121 χ^2/NDF:10.0/6

+ sign 0.012+/-0.043 χ^2/NDF: 23.3/24

All: -0.004+/-0.030 χ^2/NDF: 57.3/50

- sign -0.020+/-0.041 χ^2/NDF: 33.7/25

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 315.908+/-0.091 χ^2/NDF:1785914.9/8

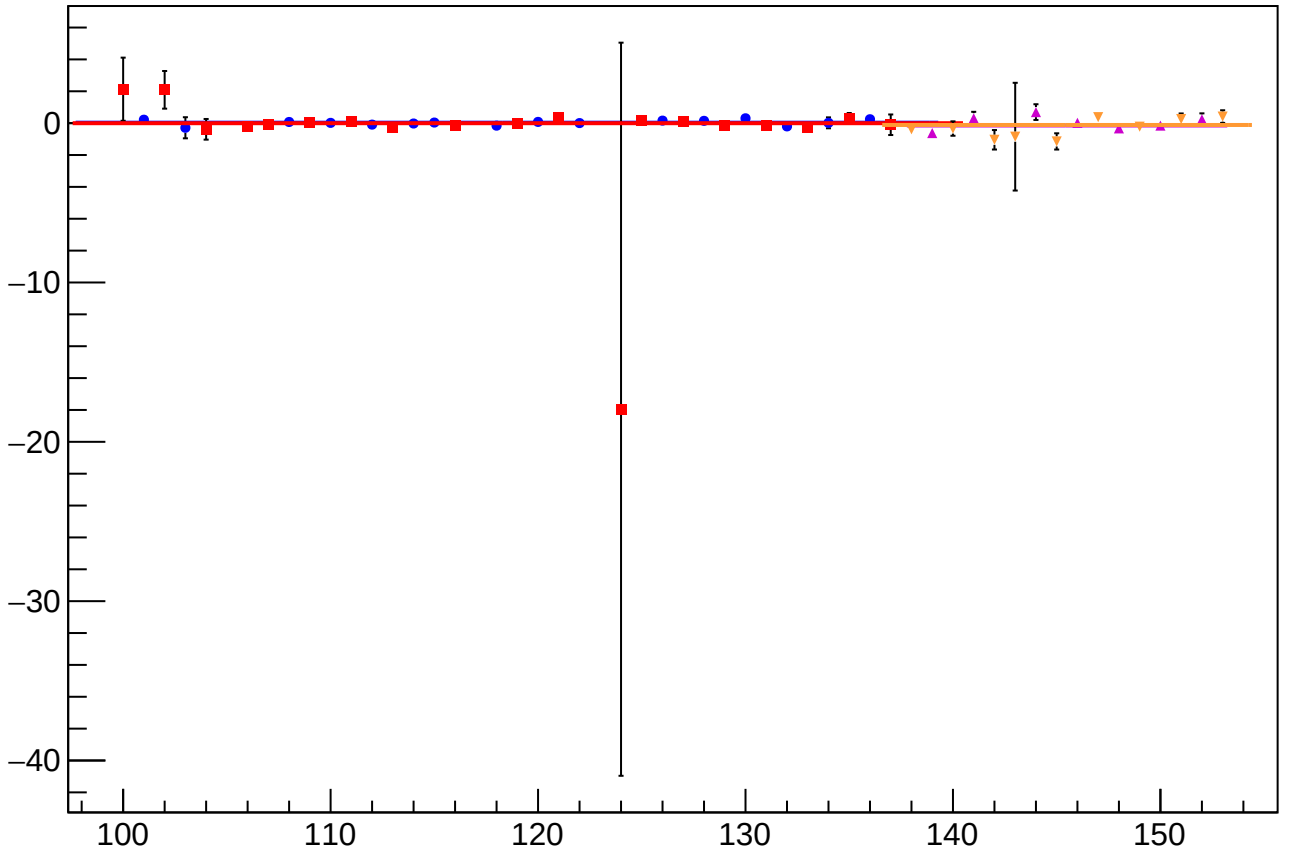
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 286.656+/-0.086 χ^2/NDF:704217.7/6

+ sign 132.664+/-0.030 χ^2/NDF: 8266927.9/24

All: 127.545+/-0.021 χ^2/NDF: 15745745.4/50

- sign 122.873+/-0.029 χ^2/NDF: 7423929.8/25



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.115+/-0.129 χ^2/NDF:13.4/8

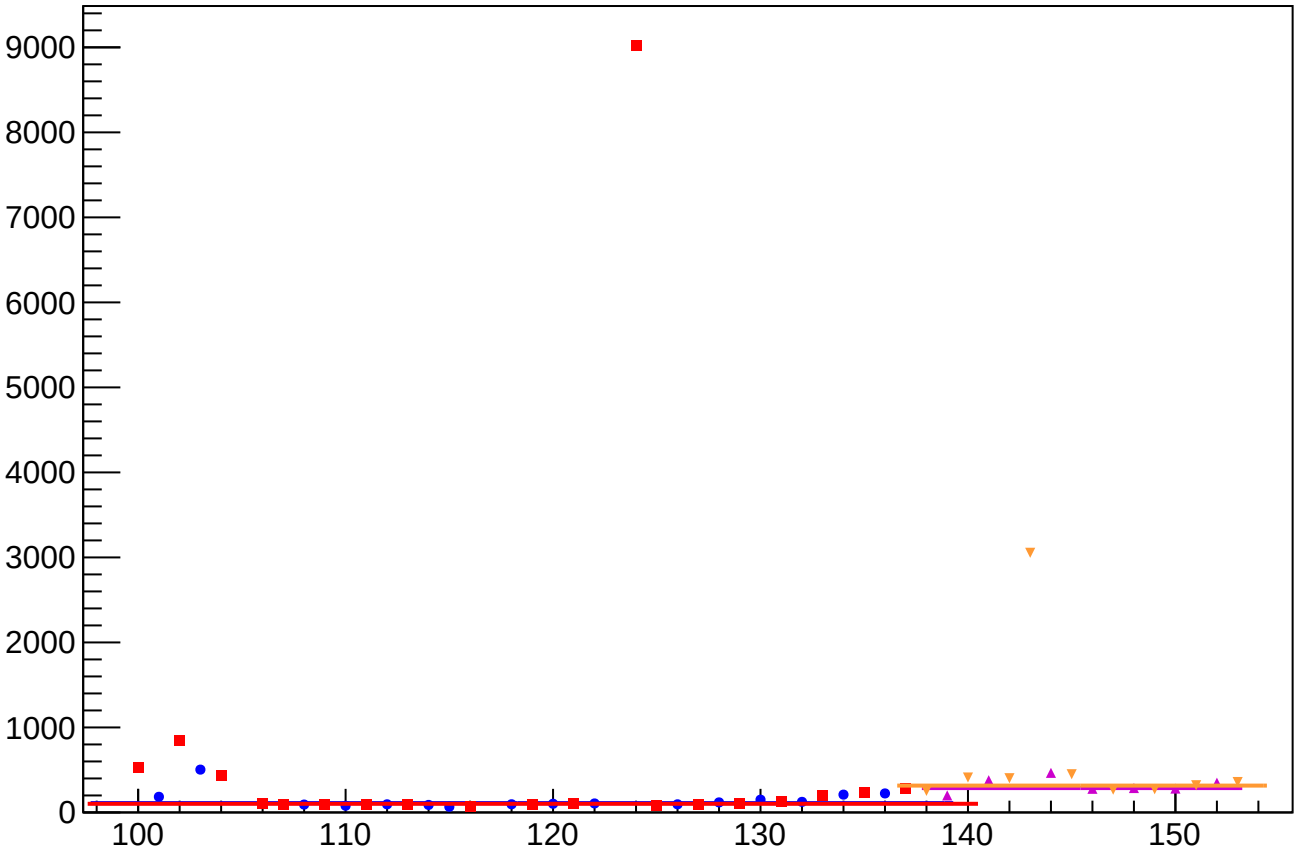
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.147+/-0.121 χ^2/NDF:10.0/6

+ sign 0.012+/-0.043 χ^2/NDF: 23.3/24

All: -0.004+/-0.030 χ^2/NDF: 57.3/50

- sign -0.020+/-0.041 χ^2/NDF: 33.7/25



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 315.908+/-0.091 χ^2/NDF:1785914.9/8

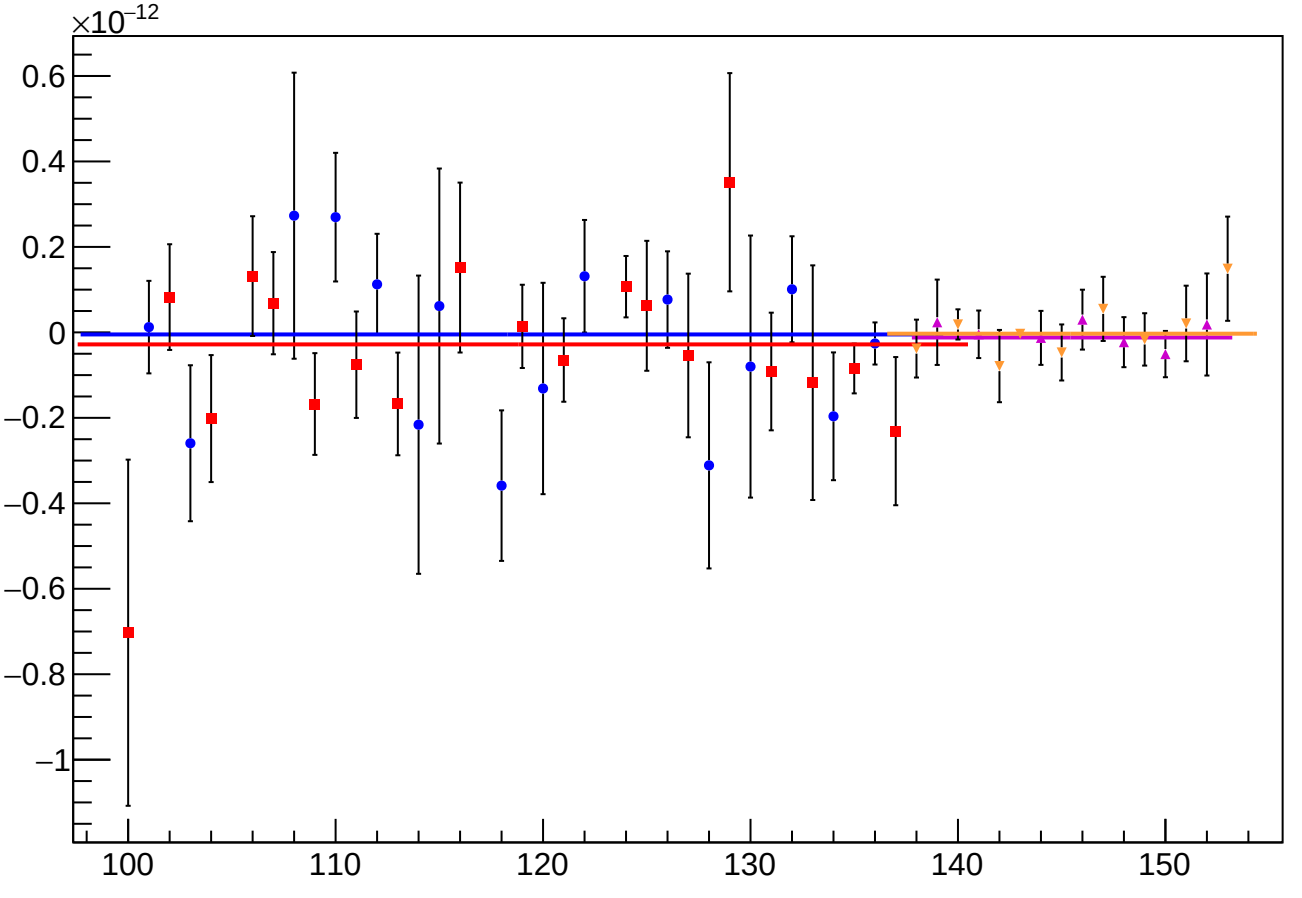
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 286.656+/-0.086 χ^2/NDF:704217.7/6

+ sign 132.664+/-0.030 χ^2/NDF: 8266927.9/24

All: 127.545+/-0.021 χ^2/NDF: 15745745.4/50

- sign 122.873+/-0.029 χ^2/NDF: 7423929.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/8

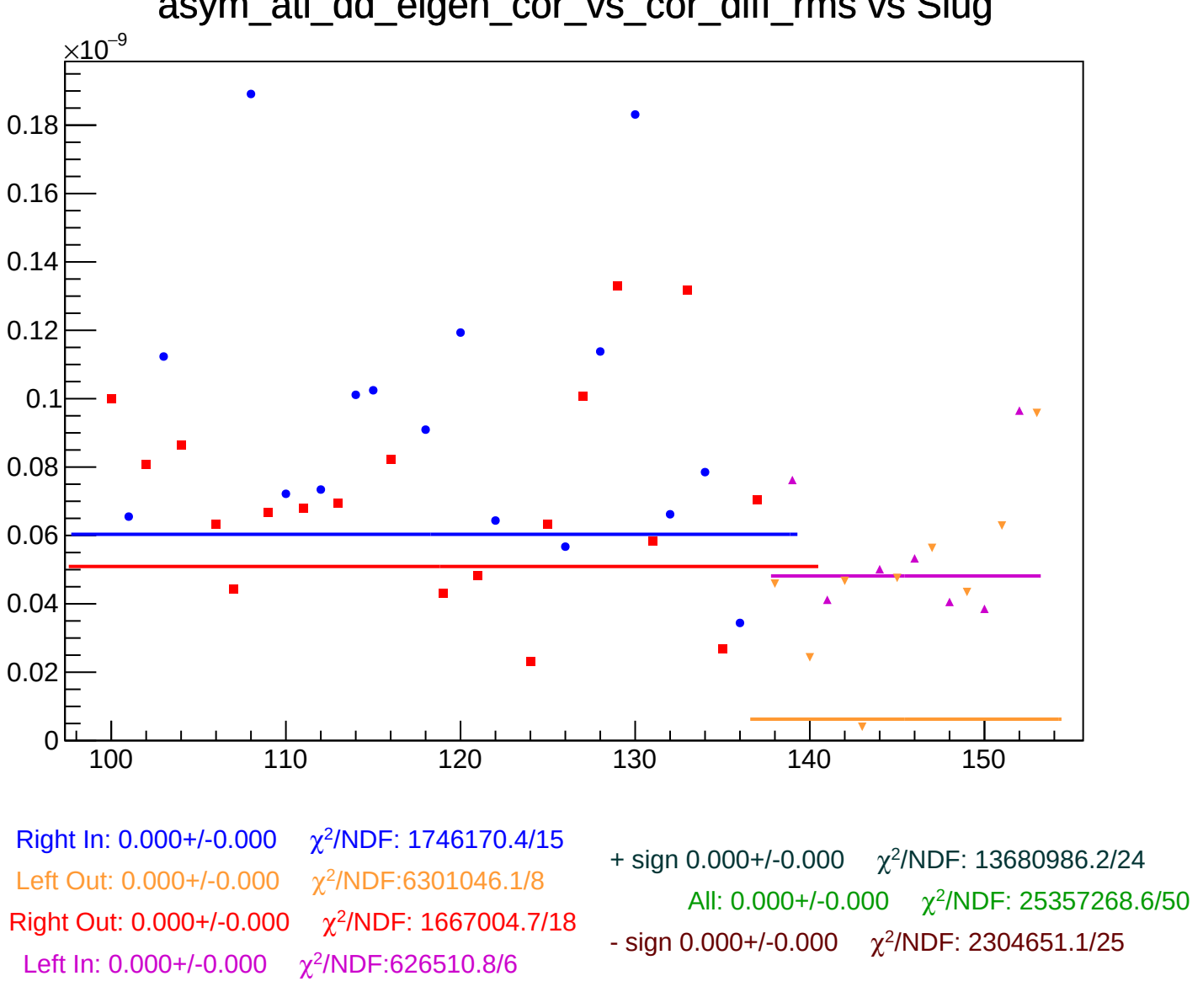
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/6

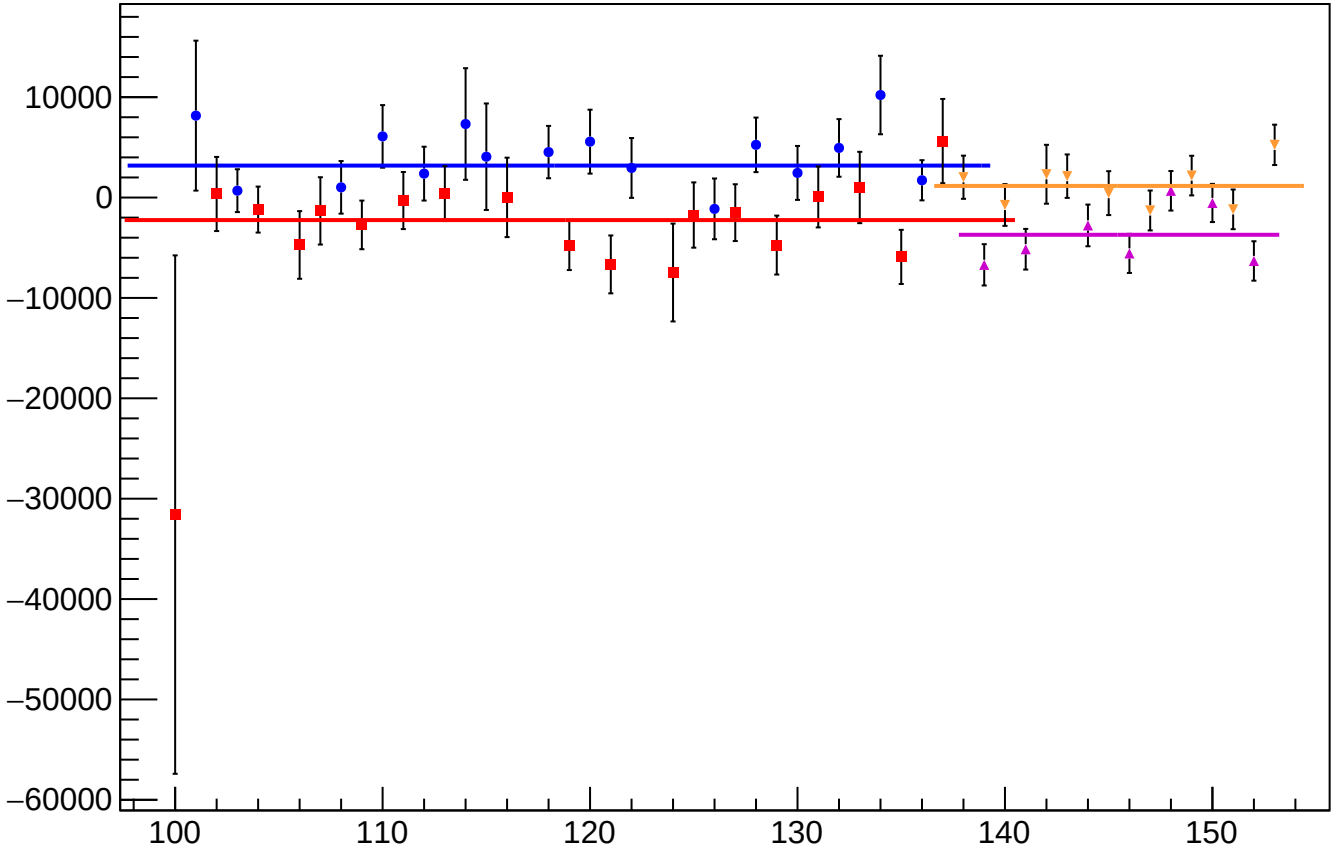
+ sign -0.000+/-0.000 χ^2/NDF: 21.7/24

All: -0.000+/-0.000 χ^2/NDF: 43.3/50

- sign -0.000+/-0.000 χ^2/NDF: 21.0/25


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6301046.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:626510.8/6
+ sign 0.000+/-0.000 χ²/NDF: 13680986.2/24
All: 0.000+/-0.000 χ²/NDF: 25357268.6/50
- sign 0.000+/-0.000 χ²/NDF: 2304651.1/25

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1158.523+/-707.186 χ^2/NDF:8.8/8

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

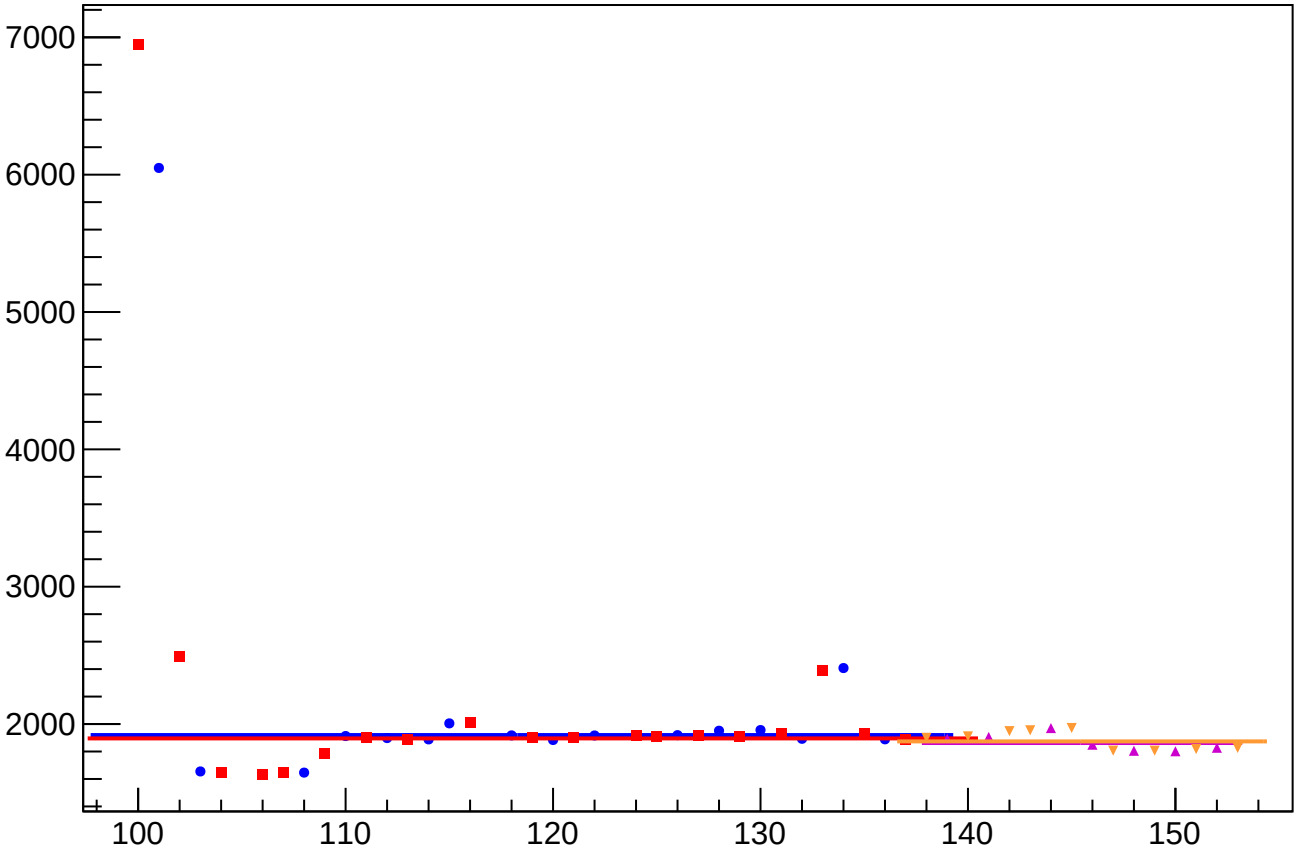
Left In: -3710.427+/-751.798 χ^2/NDF:13.2/6

+ sign 2137.405+/-508.311 χ^2/NDF: 24.5/24

All: -359.222+/-362.305 χ^2/NDF: 105.2/50

- sign -2937.341+/-516.540 χ^2/NDF: 31.7/25

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1873.619+/-0.500 χ^2/NDF:16294.1/8

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

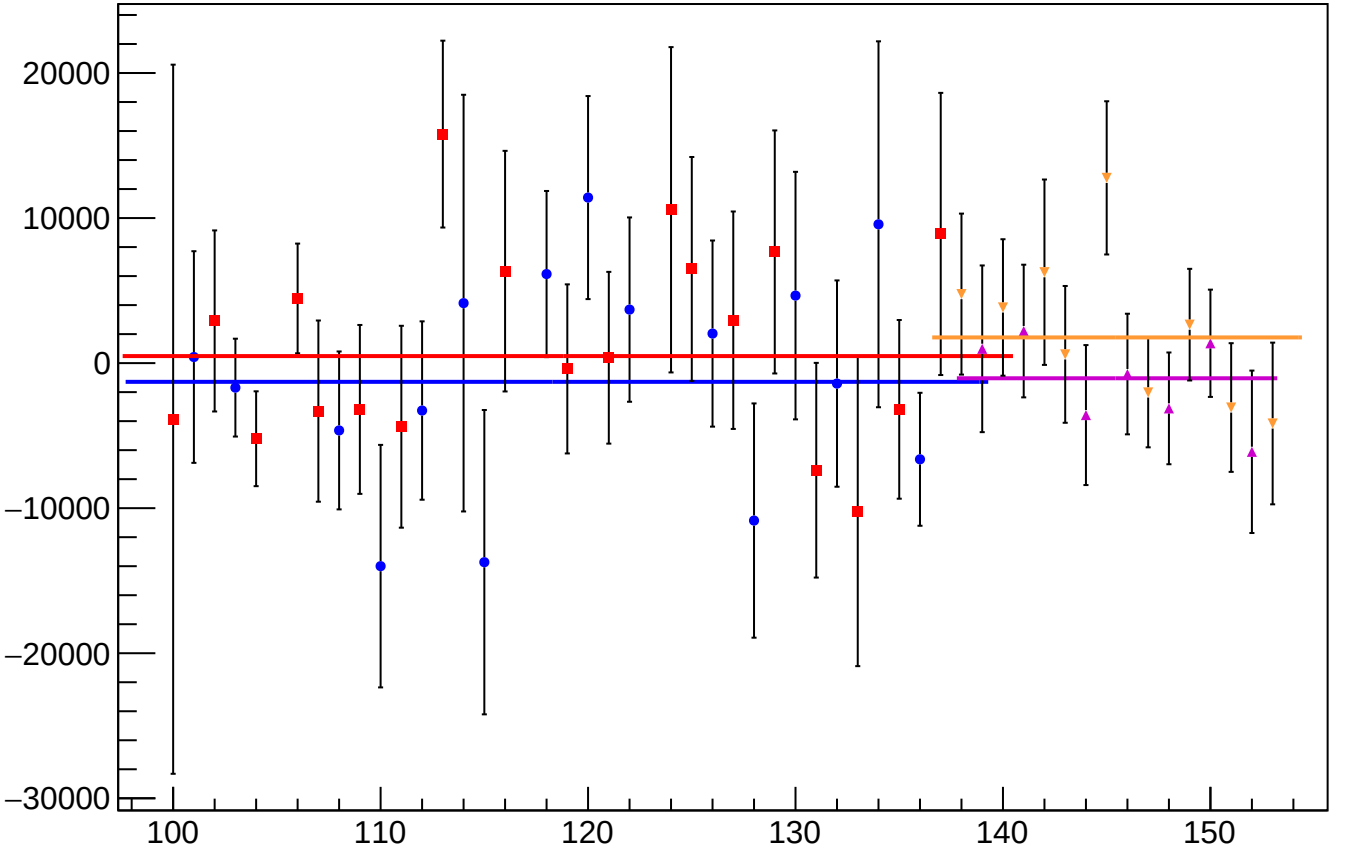
Left In: 1861.908+/-0.532 χ^2/NDF:11211.3/6

+ sign 1895.954+/-0.359 χ^2/NDF: 717752.8/24

All: 1887.907+/-0.256 χ^2/NDF: 954352.6/50

- sign 1879.627+/-0.365 χ^2/NDF: 235582.7/25

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 1771.165+/-1574.435 χ^2/NDF:8.8/8

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

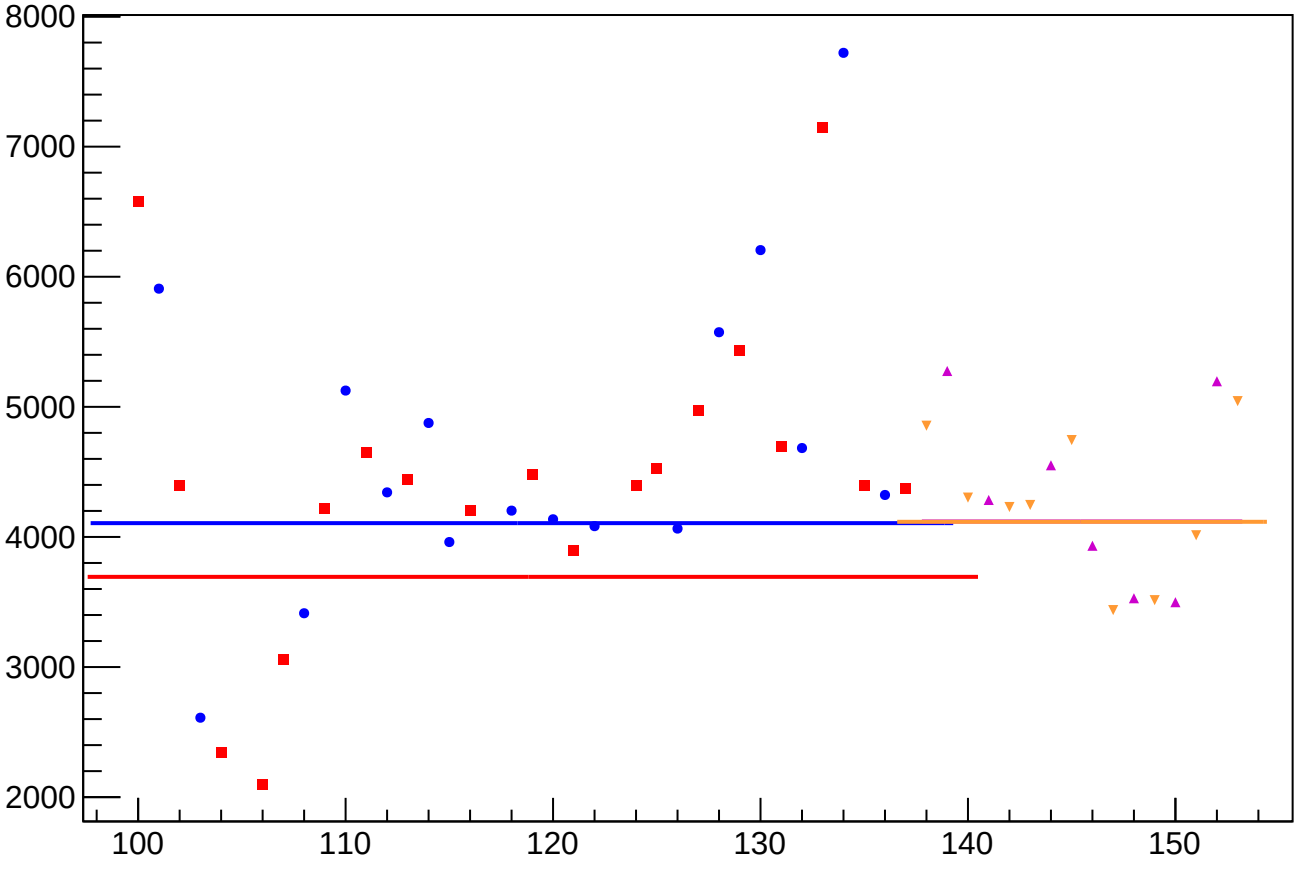
Left In: -1044.556+/-1687.110 χ^2/NDF:2.4/6

+ sign 250.991+/-1117.162 χ^2/NDF: 24.9/24

All: 42.130+/-781.695 χ^2/NDF: 45.1/50

- sign -158.222+/-1094.165 χ^2/NDF: 20.2/25

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4116.448+/-1.113 χ^2/NDF:238838.1/8

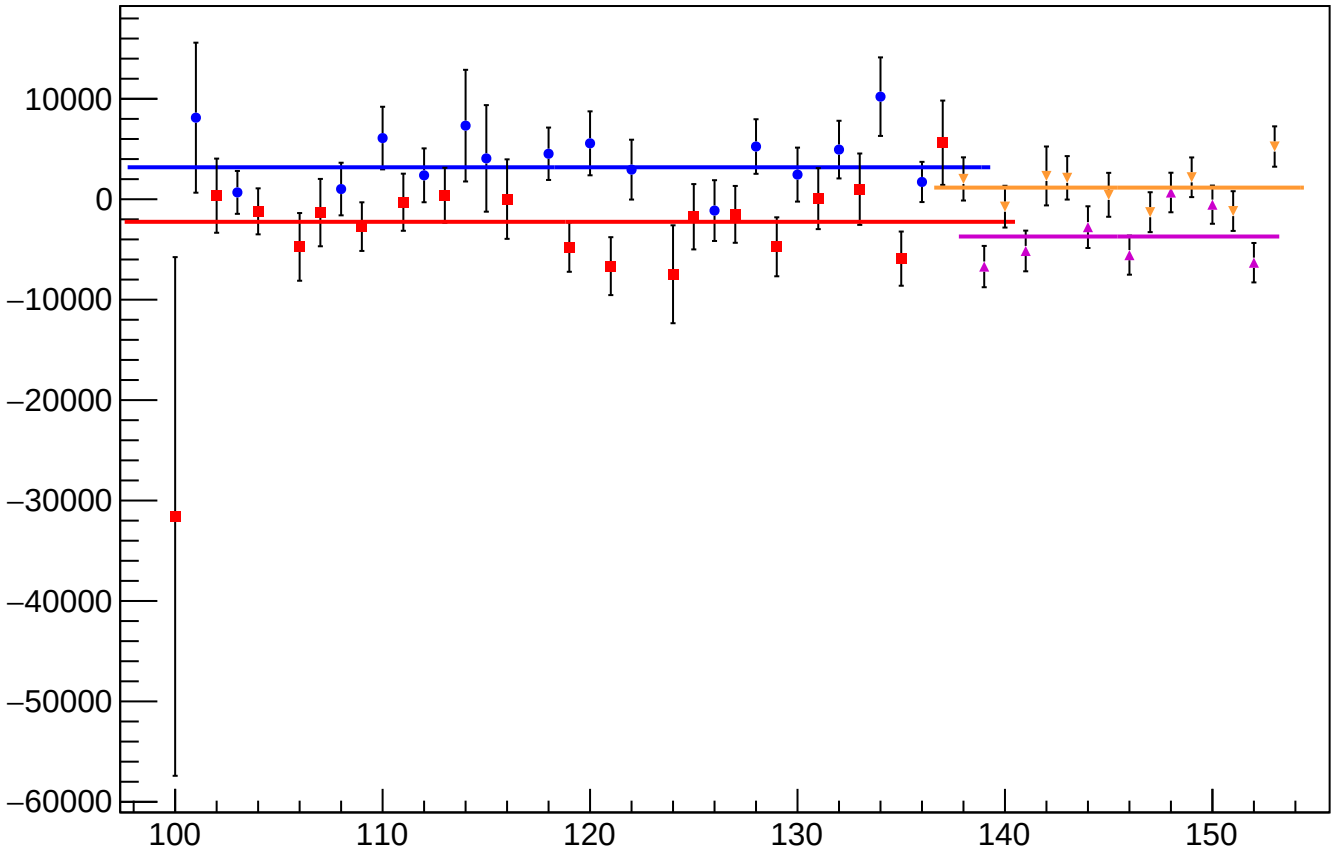
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4118.853+/-1.193 χ^2/NDF:281093.1/6

+ sign 4111.330+/-0.790 χ^2/NDF: 1195011.0/24

All: 3989.316+/-0.553 χ^2/NDF: 2953228.1/50

- sign 3872.272+/-0.774 χ^2/NDF: 1711474.2/25



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1158.440+/-707.186 χ^2/NDF:8.8/8

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

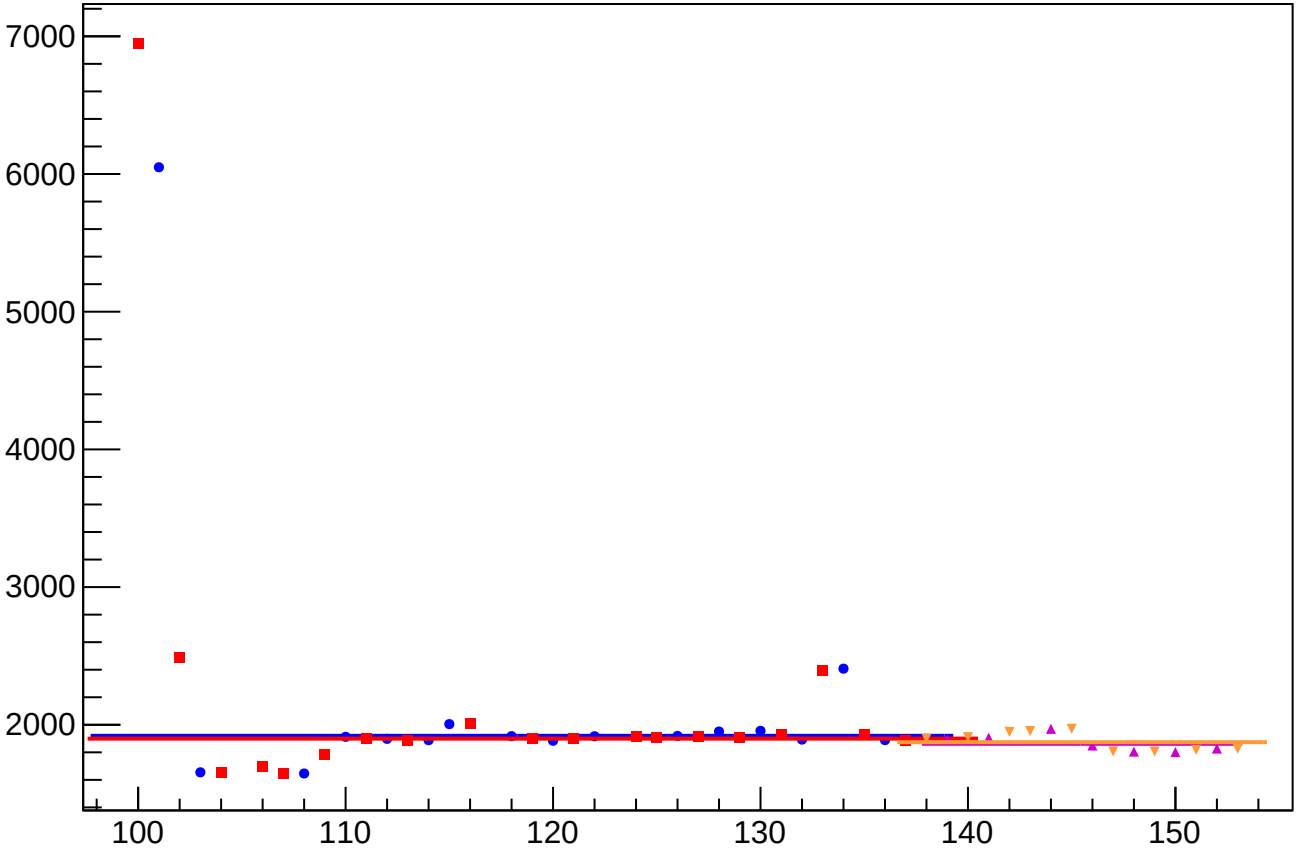
Left In: -3710.615+/-751.798 χ^2/NDF:13.2/6

+ sign 2137.008+/-508.311 χ^2/NDF: 24.4/24

All: -359.757+/-362.305 χ^2/NDF: 105.2/50

- sign -2938.034+/-516.542 χ^2/NDF: 31.7/25

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1873.619+/-0.500 χ^2/NDF:16294.1/8

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

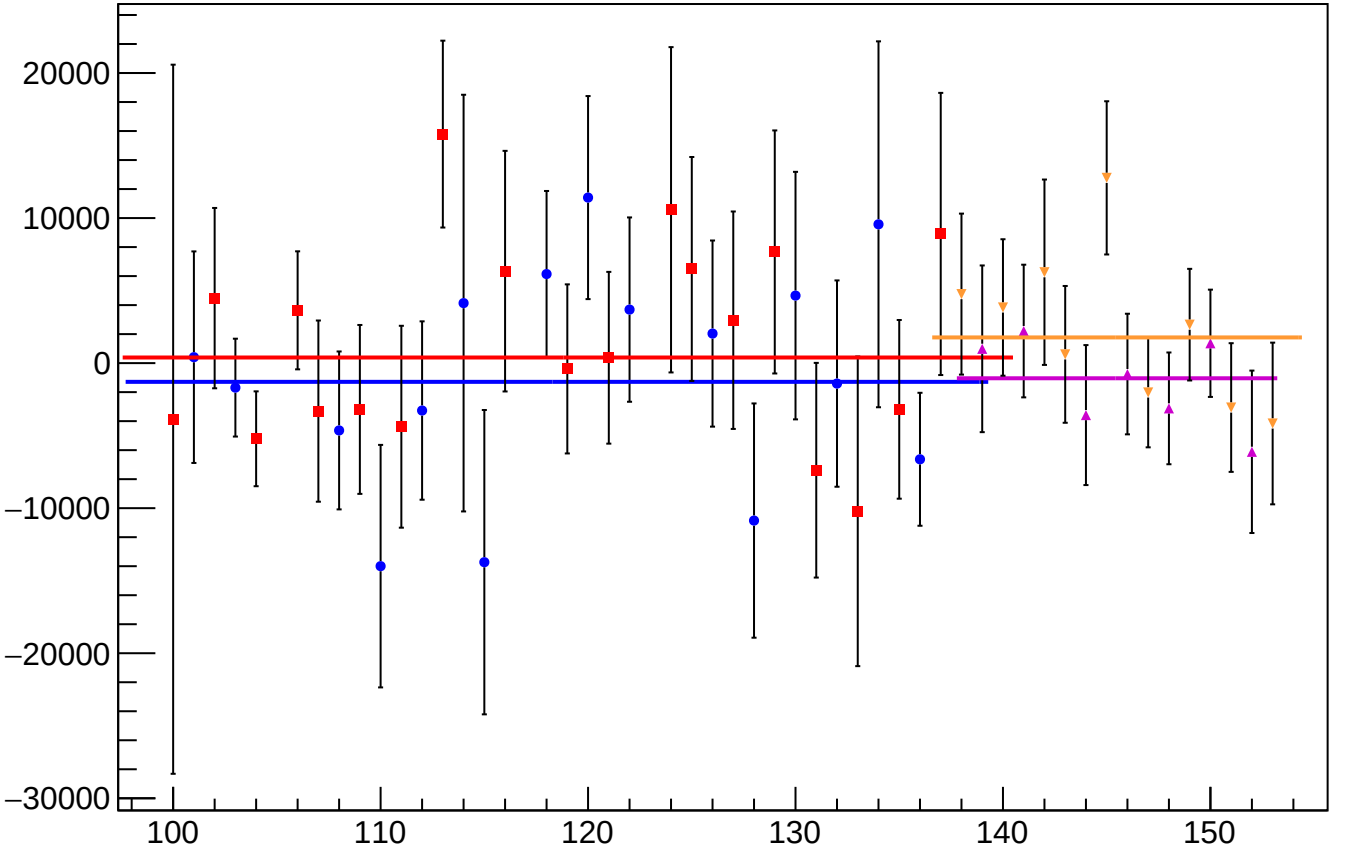
Left In: 1861.908+/-0.532 χ^2/NDF:11211.3/6

+ sign 1895.954+/-0.359 χ^2/NDF: 717752.0/24

All: 1888.941+/-0.256 χ^2/NDF: 948015.4/50

- sign 1881.711+/-0.365 χ^2/NDF: 229490.2/25

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1771.099+/-1574.429 χ^2/NDF:8.8/8

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

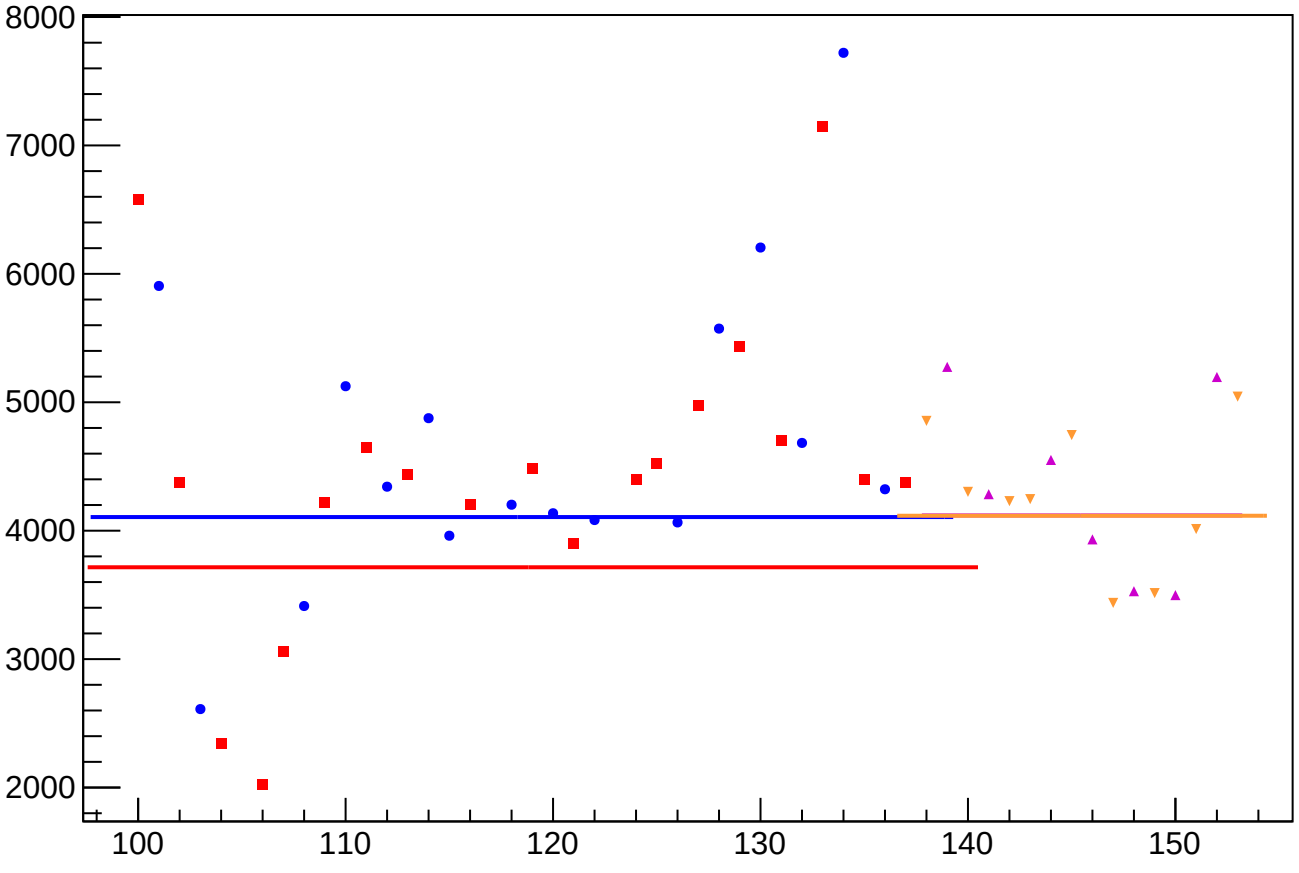
Left In: -1044.594+/-1687.113 χ^2/NDF:2.4/6

+ sign 250.783+/-1117.160 χ^2/NDF: 24.9/24

All: 11.014+/-783.934 χ^2/NDF: 44.8/50

- sign -221.585+/-1100.331 χ^2/NDF: 19.9/25

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4116.431+/-1.113 χ^2/NDF:238842.4/8

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

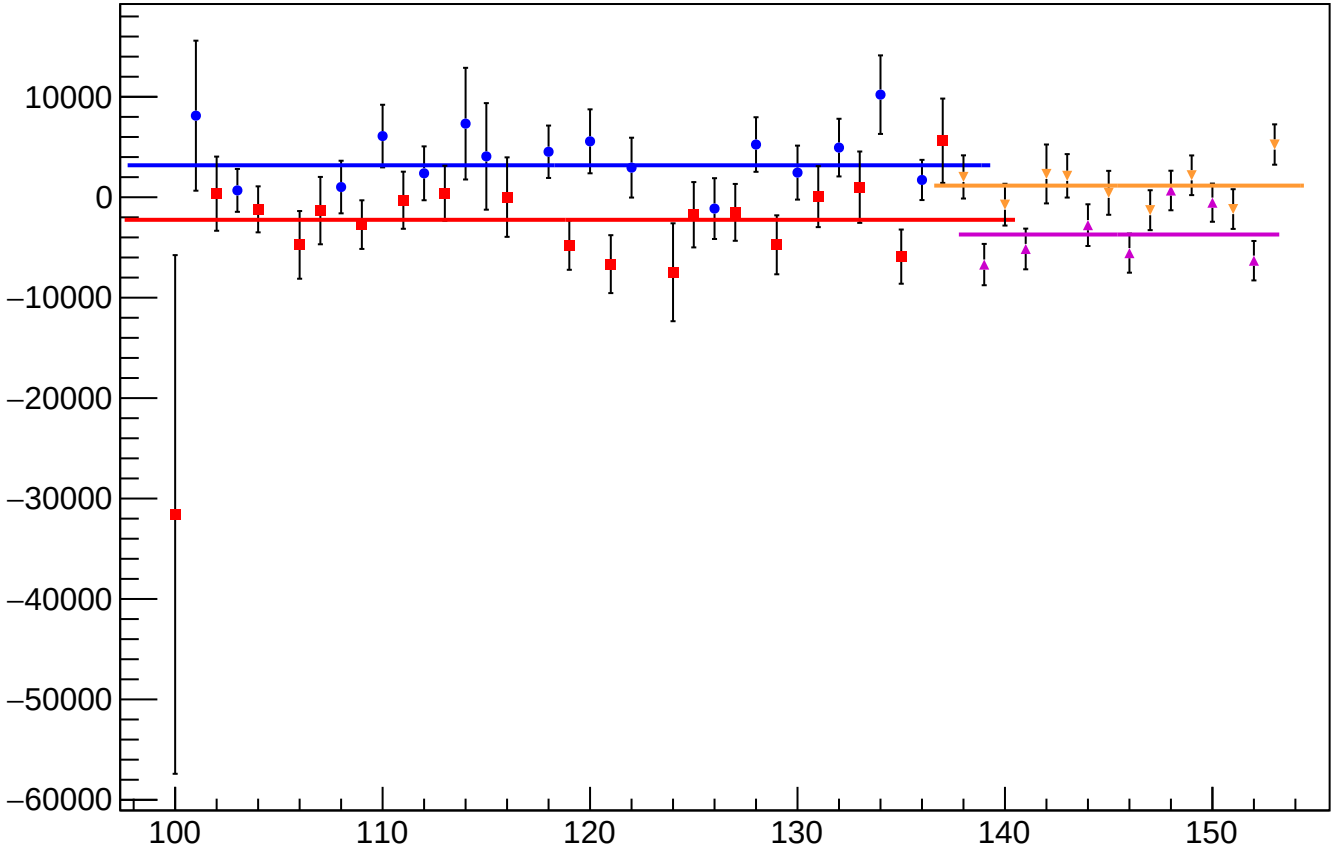
Left In: 4118.861+/-1.193 χ^2/NDF:281093.3/6

+ sign 4111.368+/-0.790 χ^2/NDF: 1194515.2/24

All: 3997.432+/-0.554 χ^2/NDF: 2917483.3/50

- sign 3886.903+/-0.778 χ^2/NDF: 1681984.6/25

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1158.440+/-707.186 χ^2/NDF:8.8/8

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

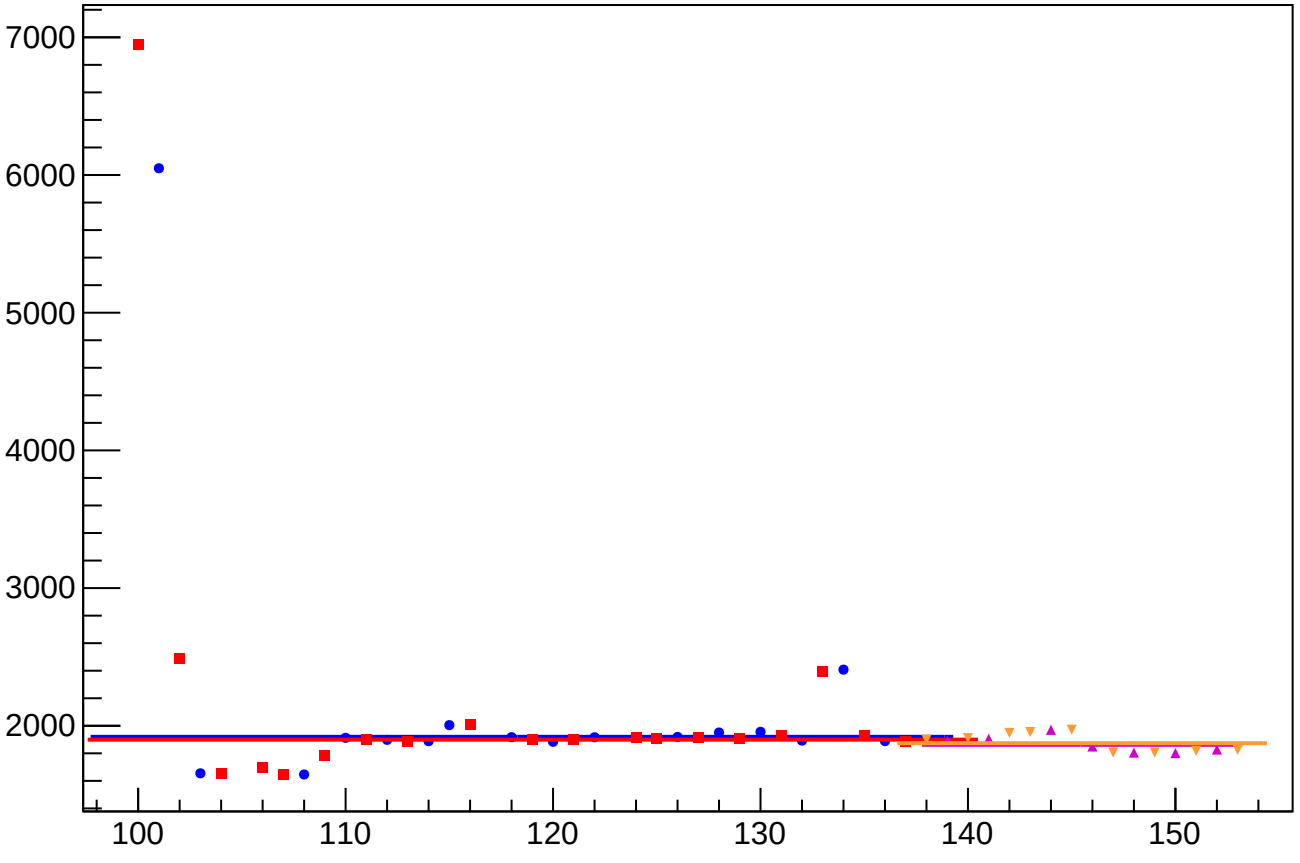
Left In: -3710.615+/-751.798 χ^2/NDF:13.2/6

+ sign 2137.008+/-508.311 χ^2/NDF: 24.4/24

All: -359.757+/-362.305 χ^2/NDF: 105.2/50

- sign -2938.034+/-516.542 χ^2/NDF: 31.7/25

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1873.619+/-0.500 χ^2/NDF:16294.1/8

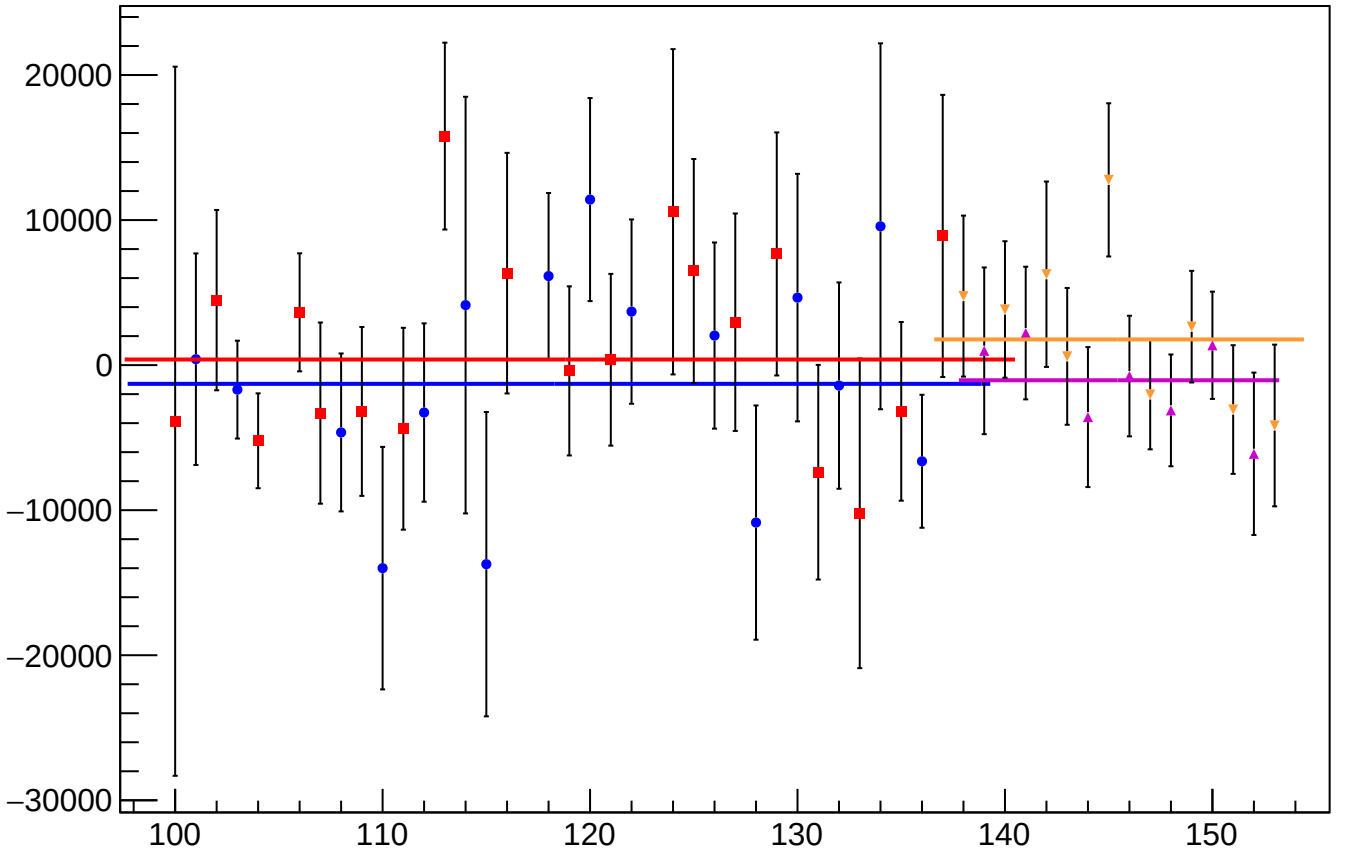
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1861.908+/-0.532 χ^2/NDF:11211.3/6

+ sign 1895.954+/-0.359 χ^2/NDF: 717752.0/24

All: 1888.941+/-0.256 χ^2/NDF: 948015.4/50

- sign 1881.711+/-0.365 χ^2/NDF: 229490.2/25



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1771.099+/-1574.429 χ^2/NDF:8.8/8

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

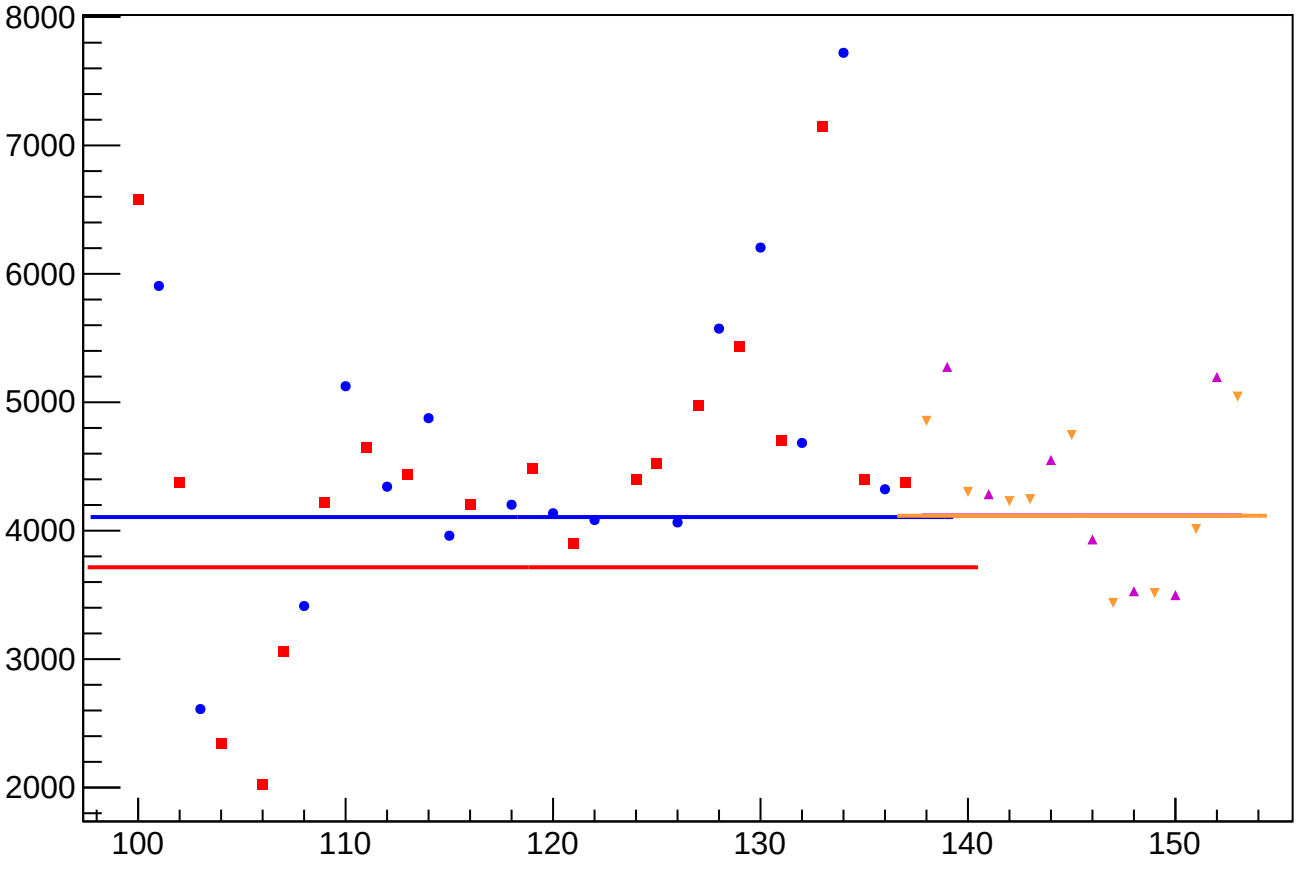
Left In: -1044.594+/-1687.113 χ^2/NDF:2.4/6

+ sign 250.783+/-1117.160 χ^2/NDF: 24.9/24

All: 11.014+/-783.934 χ^2/NDF: 44.8/50

- sign -221.585+/-1100.331 χ^2/NDF: 19.9/25

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4116.431+/-1.113 χ^2/NDF:238842.4/8

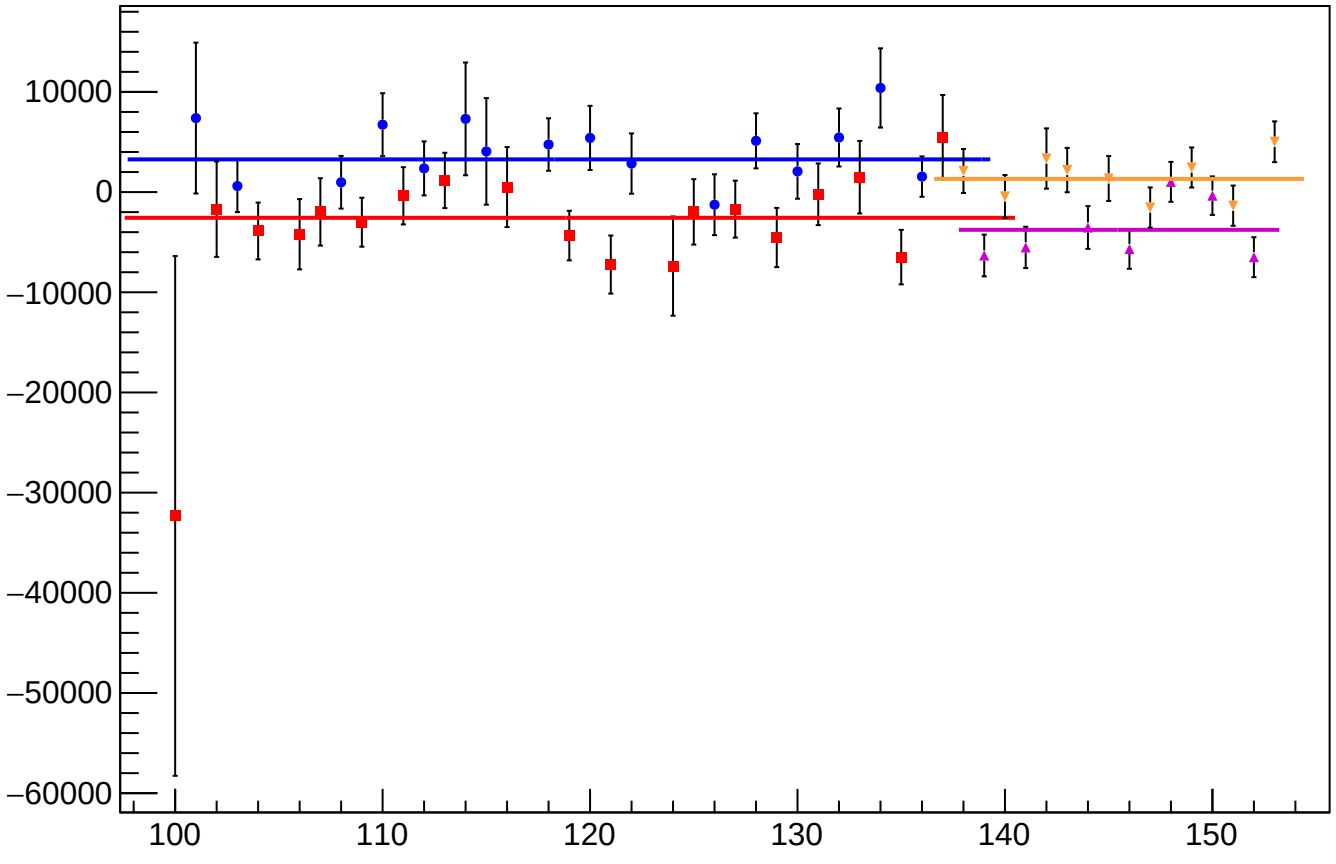
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4118.861+/-1.193 χ^2/NDF:281093.3/6

+ sign 4111.368+/-0.790 χ^2/NDF: 1194515.2/24

All: 3997.432+/-0.554 χ^2/NDF: 2917483.3/50

- sign 3886.903+/-0.778 χ^2/NDF: 1681984.6/25



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1317.190+/-720.255 χ^2/NDF:8.9/8

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

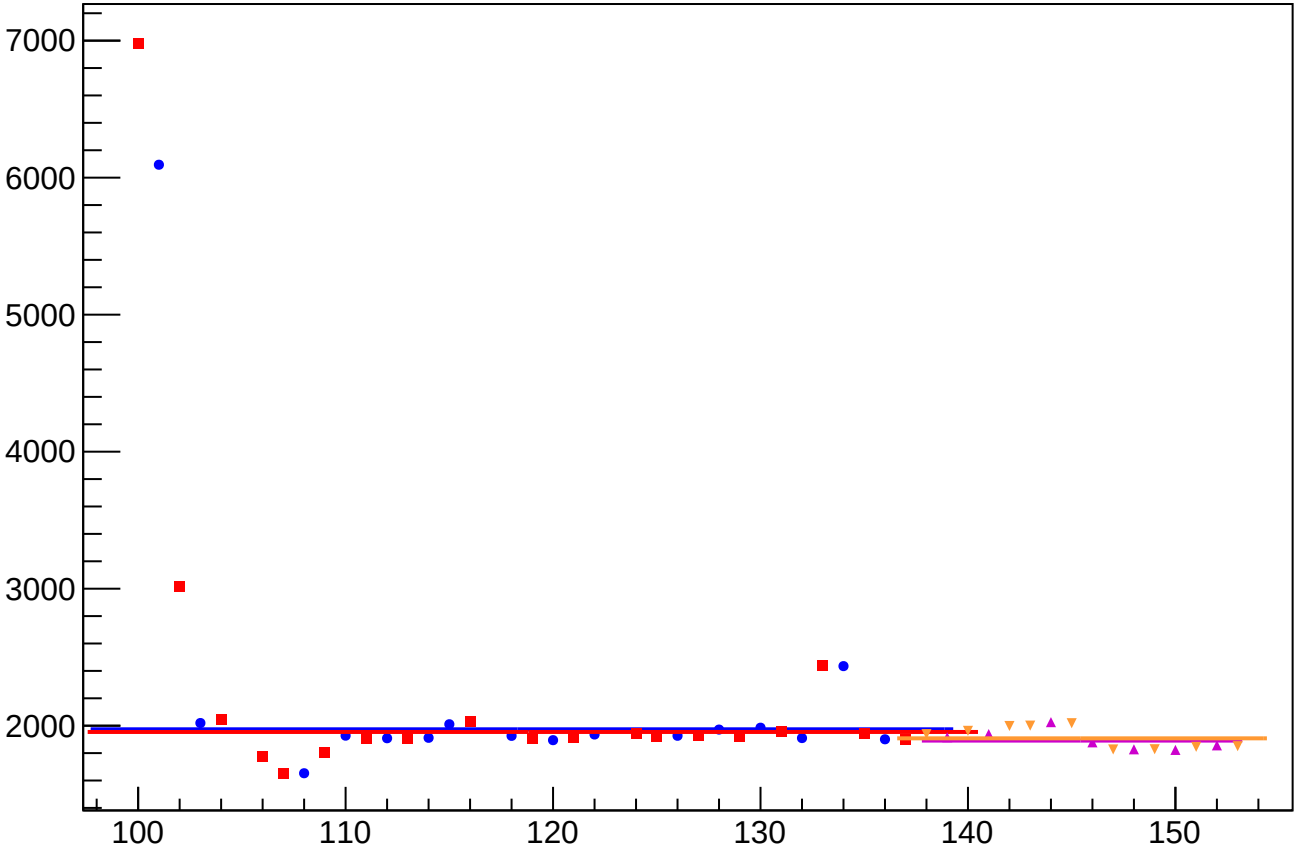
Left In: -3767.058+/-763.830 χ^2/NDF:14.0/6

+ sign 2250.411+/-519.782 χ^2/NDF: 24.5/24

All: -396.297+/-370.955 χ^2/NDF: 109.6/50

- sign -3143.688+/-529.576 χ^2/NDF: 32.3/25

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1907.812+/-0.509 χ^2/NDF:21775.5/8

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

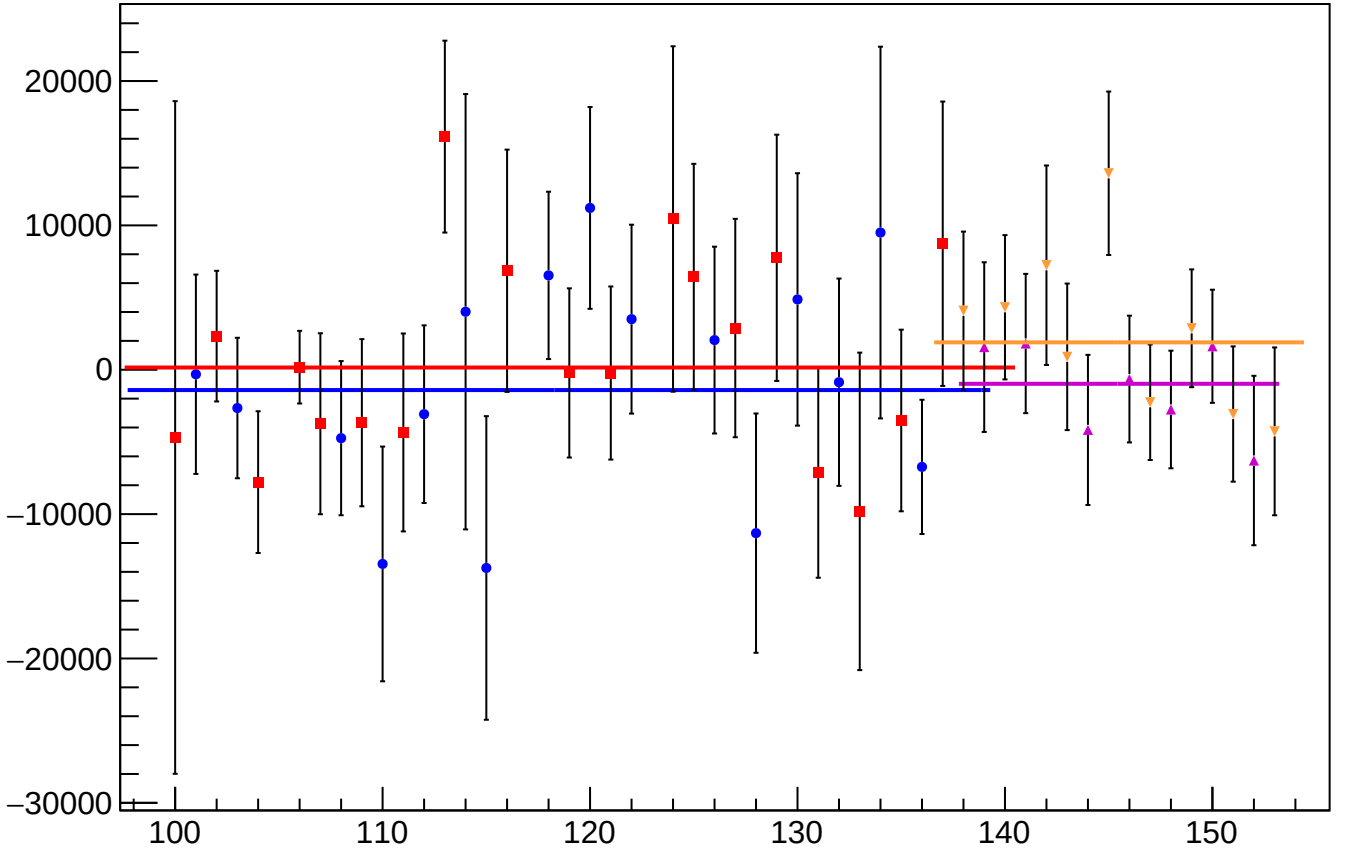
Left In: 1891.401+/-0.540 χ^2/NDF:14519.2/6

+ sign 1939.409+/-0.368 χ^2/NDF: 694931.7/24

All: 1931.900+/-0.262 χ^2/NDF: 963569.9/50

- sign 1924.113+/-0.374 χ^2/NDF: 267788.0/25

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 1896.982+/-1662.143 χ^2/NDF:8.7/8

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

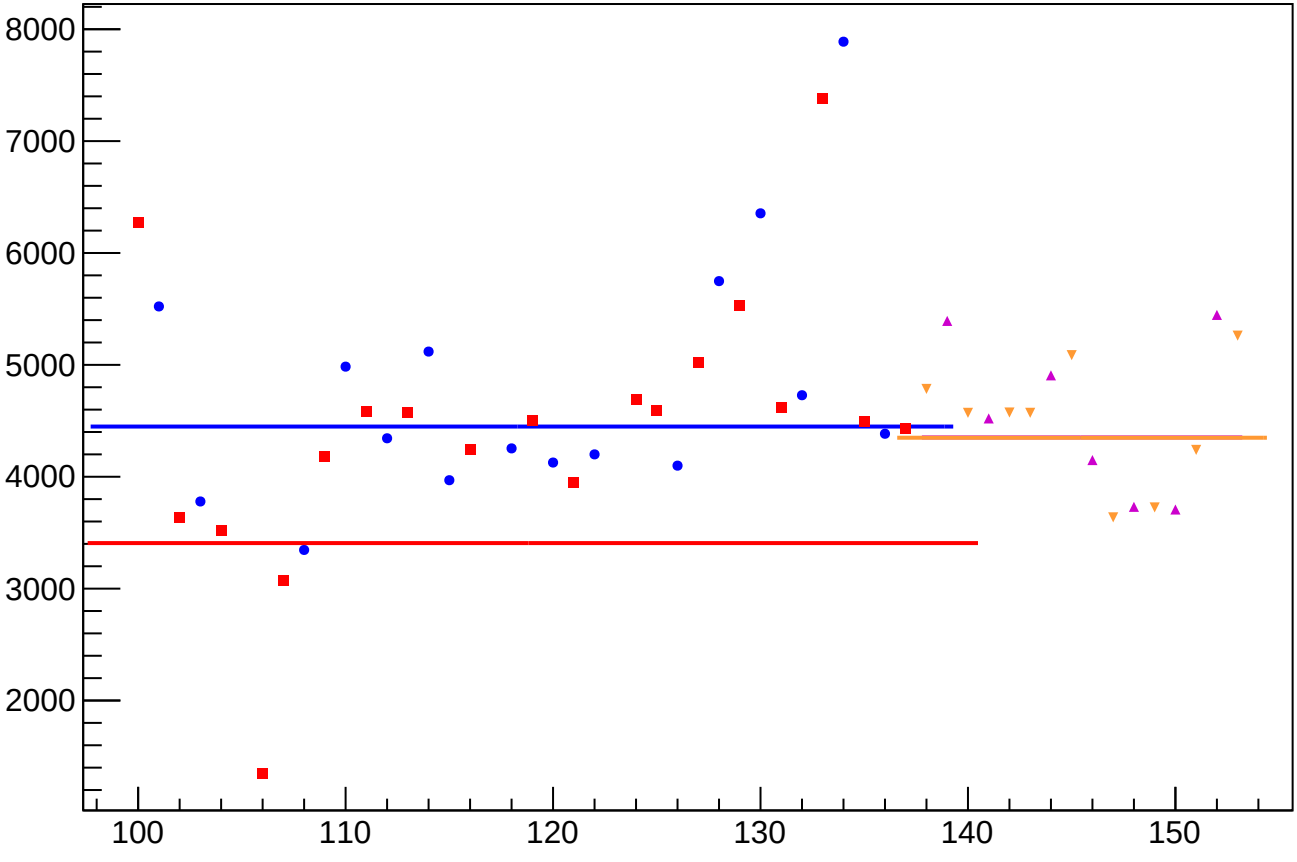
Left In: -973.088+/-1781.089 χ^2/NDF:2.4/6

+ sign 272.247+/-1185.035 χ^2/NDF: 24.9/24

All: -18.773+/-799.336 χ^2/NDF: 43.4/50

- sign -261.718+/-1082.741 χ^2/NDF: 18.4/25

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4348.752+/-1.175 χ^2/NDF:216853.4/8

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

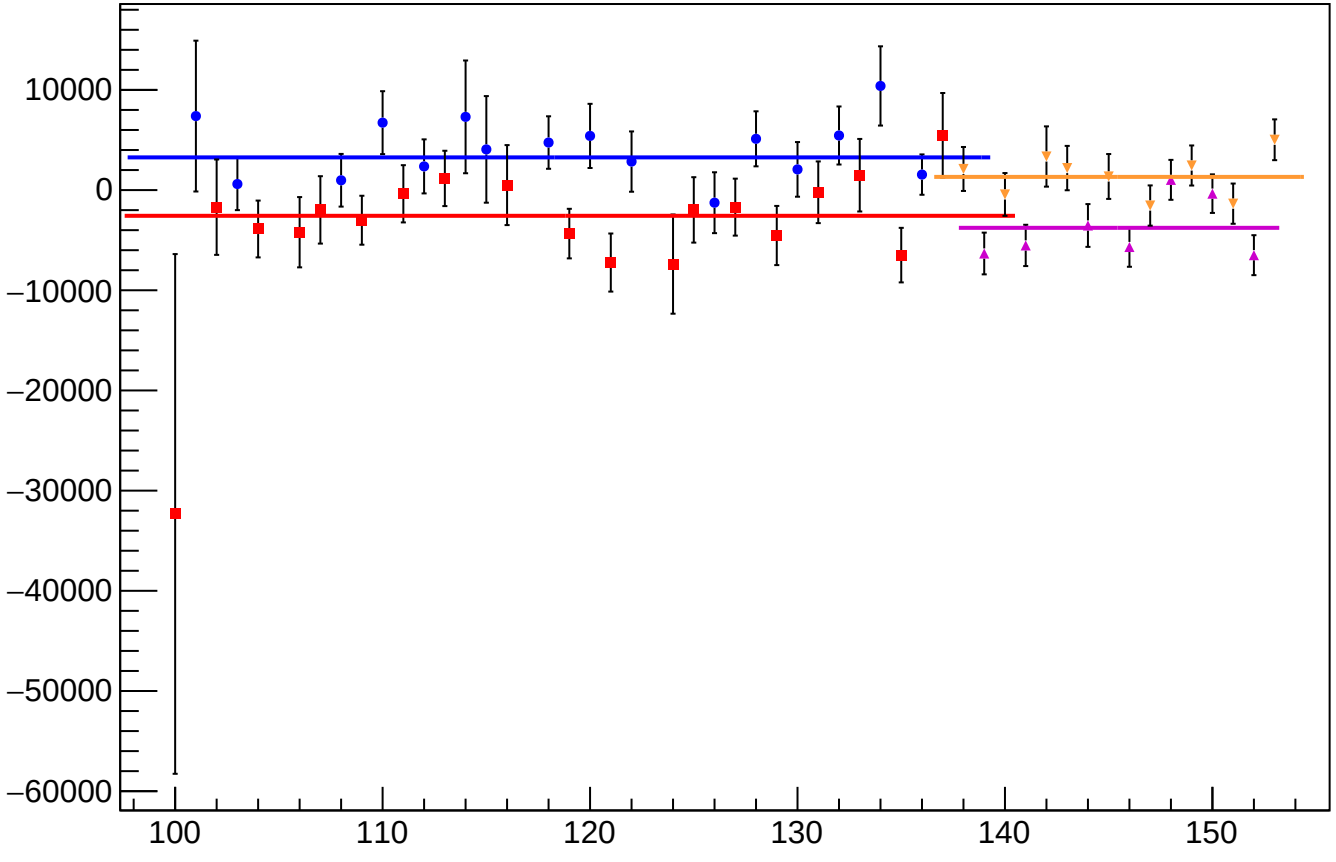
Left In: 4351.394+/-1.259 χ^2/NDF:262439.9/6

+ sign 4397.901+/-0.838 χ^2/NDF: 715023.5/24

All: 4048.101+/-0.565 χ^2/NDF: 3977666.4/50

- sign 3756.085+/-0.766 χ^2/NDF: 2942902.1/25

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1317.188+/-720.255 χ^2/NDF:8.9/8

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

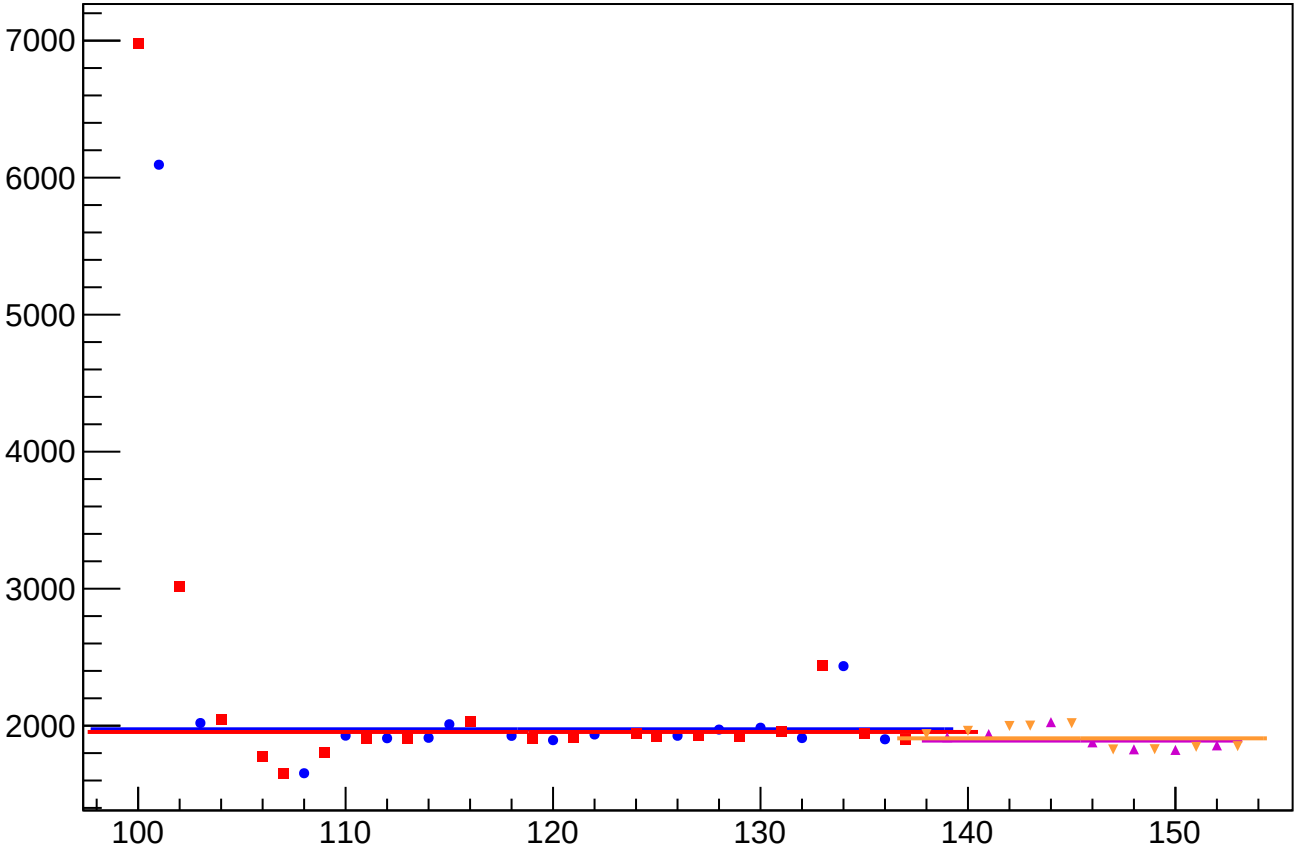
Left In: -3767.054+/-763.830 χ^2/NDF:14.0/6

+ sign 2250.412+/-519.782 χ^2/NDF: 24.5/24

All: -396.297+/-370.955 χ^2/NDF: 109.6/50

- sign -3143.689+/-529.576 χ^2/NDF: 32.3/25

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1907.813+/-0.509 χ^2/NDF:21775.7/8

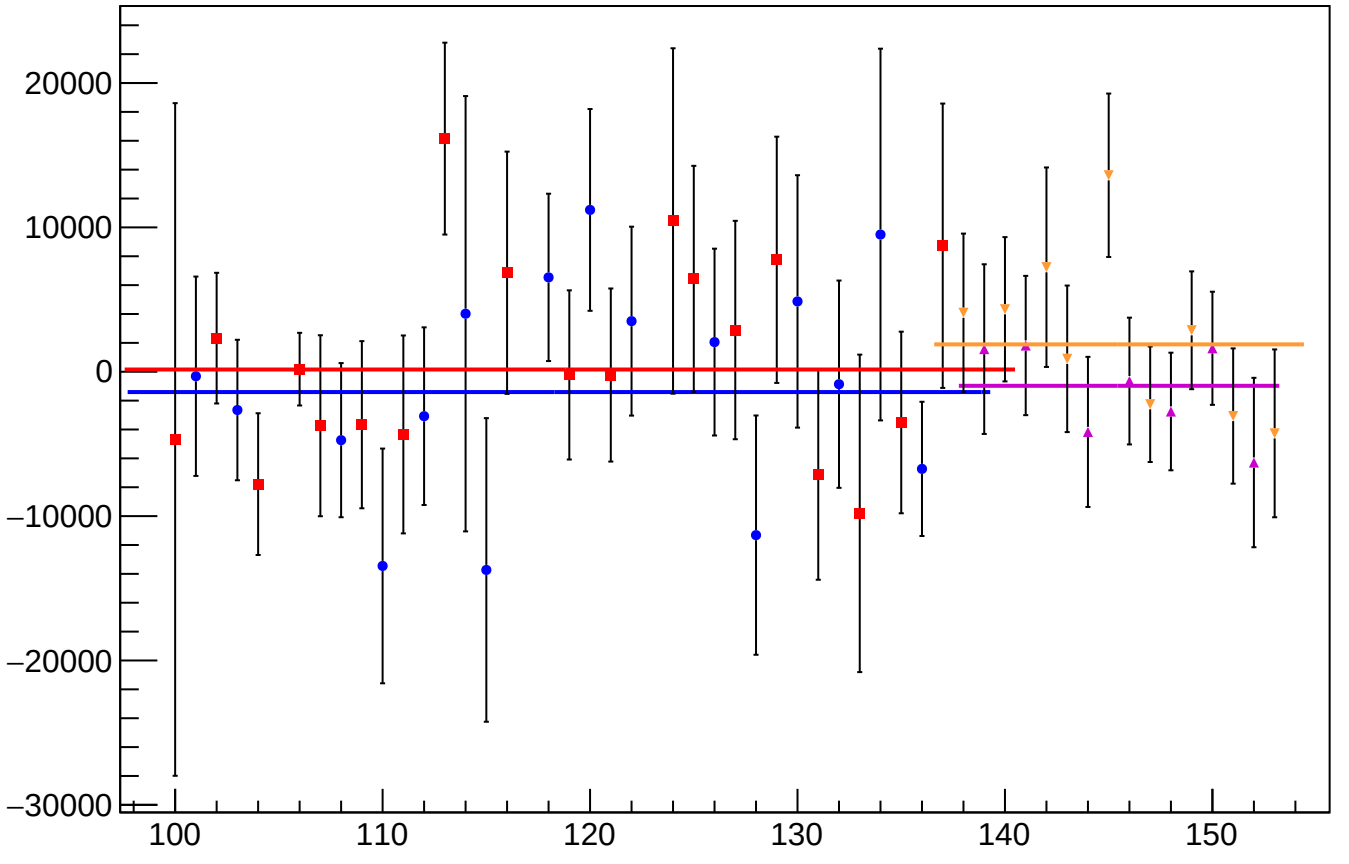
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1891.402+/-0.540 χ^2/NDF:14519.1/6

+ sign 1939.409+/-0.368 χ^2/NDF: 694931.6/24

All: 1931.900+/-0.262 χ^2/NDF: 963569.0/50

- sign 1924.113+/-0.374 χ^2/NDF: 267787.3/25



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 1896.980+/-1662.145 χ^2/NDF:8.7/8

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

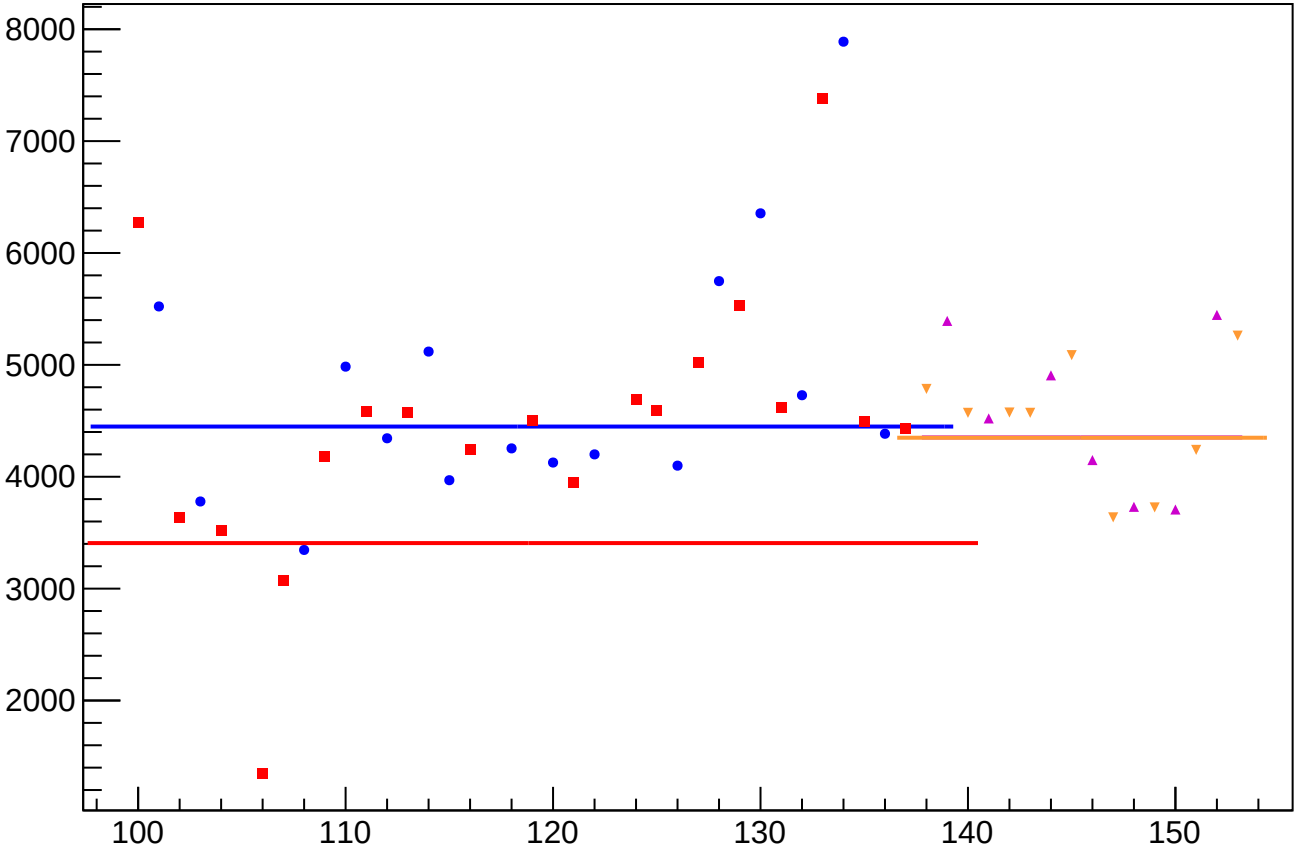
Left In: -973.085+/-1781.091 χ^2/NDF:2.4/6

+ sign 272.251+/-1185.035 χ^2/NDF: 24.9/24

All: -18.769+/-799.335 χ^2/NDF: 43.4/50

- sign -261.715+/-1082.740 χ^2/NDF: 18.4/25

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4348.758+/-1.175 χ^2/NDF:216852.9/8

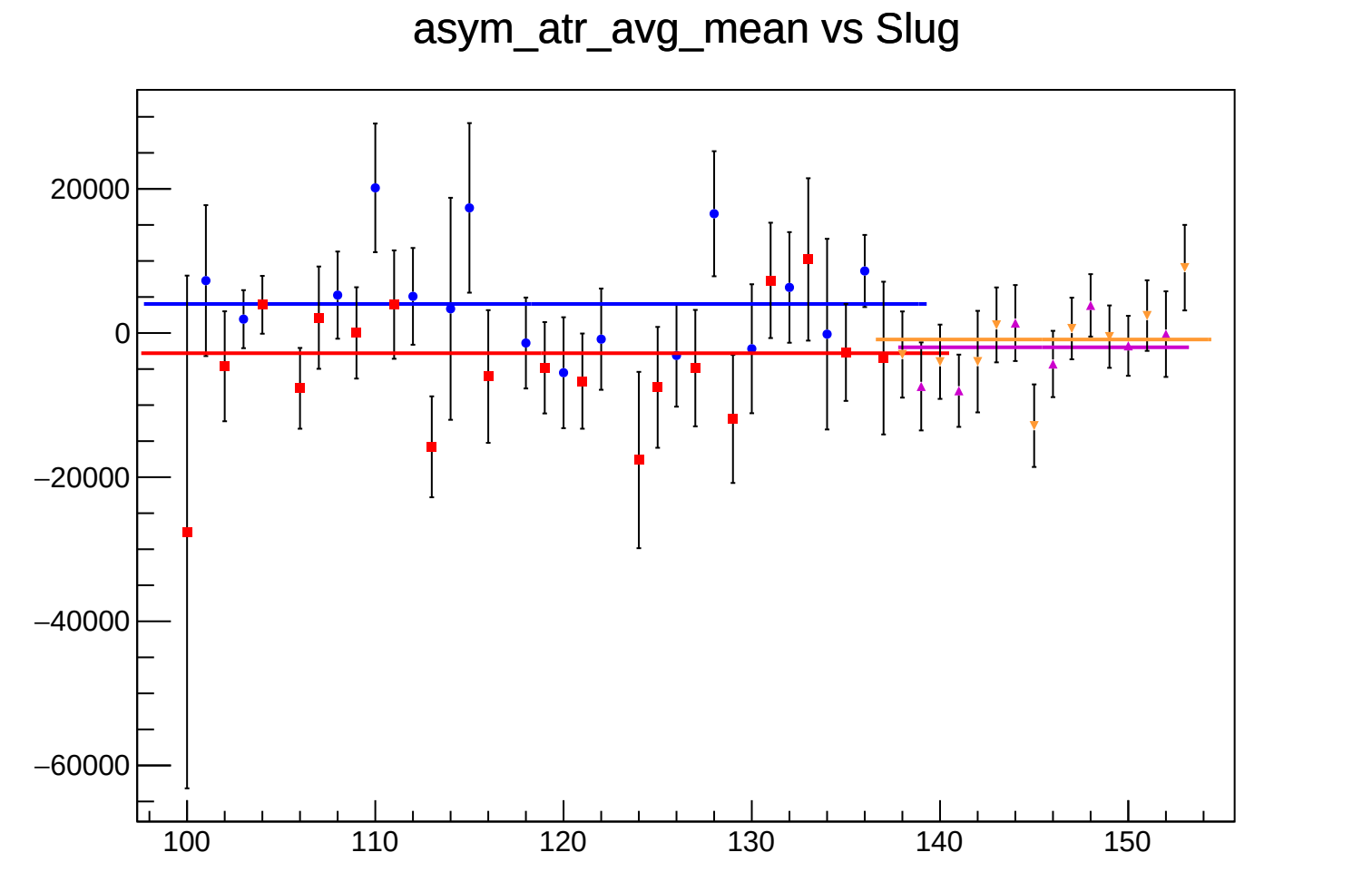
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4351.401+/-1.259 χ^2/NDF:262438.3/6

+ sign 4397.901+/-0.838 χ^2/NDF: 715019.1/24

All: 4048.098+/-0.565 χ^2/NDF: 3977679.4/50

- sign 3756.081+/-0.766 χ^2/NDF: 2942915.2/25



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -896.806+/-1737.070 χ^2/NDF:8.6/8

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

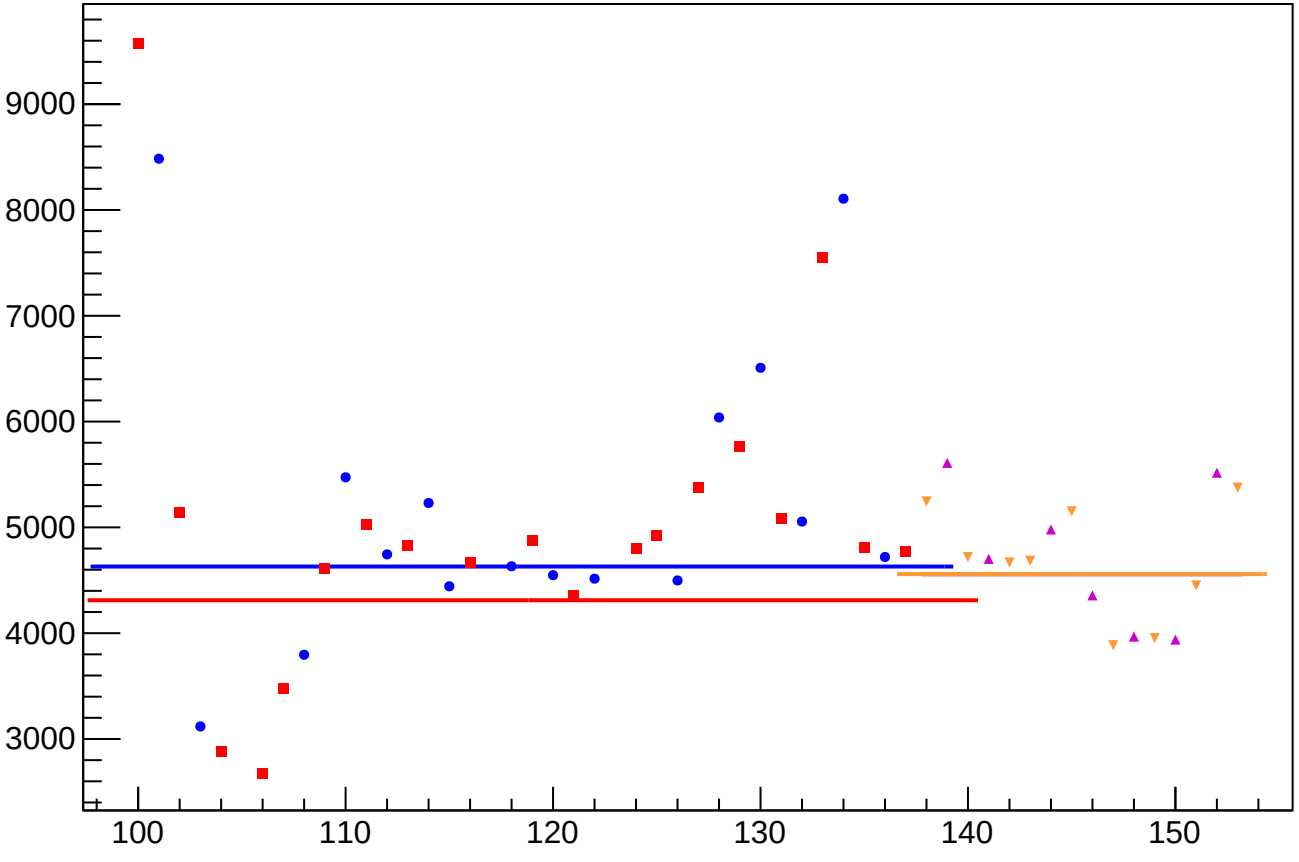
Left In: -1978.693+/-1859.335 χ^2/NDF:4.8/6

+ sign 1505.889+/-1243.885 χ^2/NDF: 24.9/24

All: -464.699+/-879.318 χ^2/NDF: 50.2/50

- sign -2433.127+/-1243.203 χ^2/NDF: 20.3/25

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4558.342+/-1.228 χ^2/NDF:178659.3/8

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

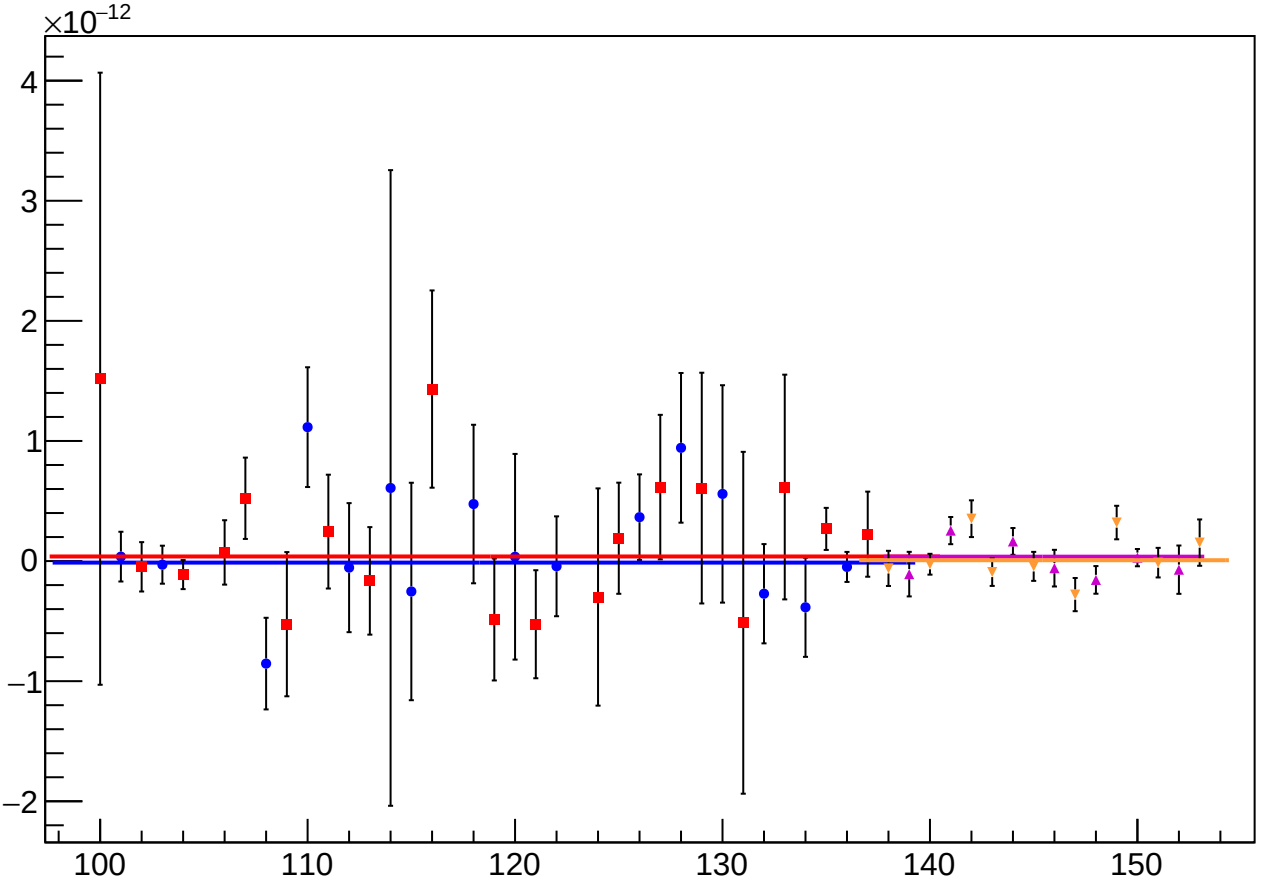
Left In: 4556.836+/-1.315 χ^2/NDF:211069.8/6

+ sign 4593.240+/-0.880 χ^2/NDF: 1080562.4/24

All: 4506.140+/-0.620 χ^2/NDF: 2235324.9/50

- sign 4419.971+/-0.875 χ^2/NDF: 1135254.7/25

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/8

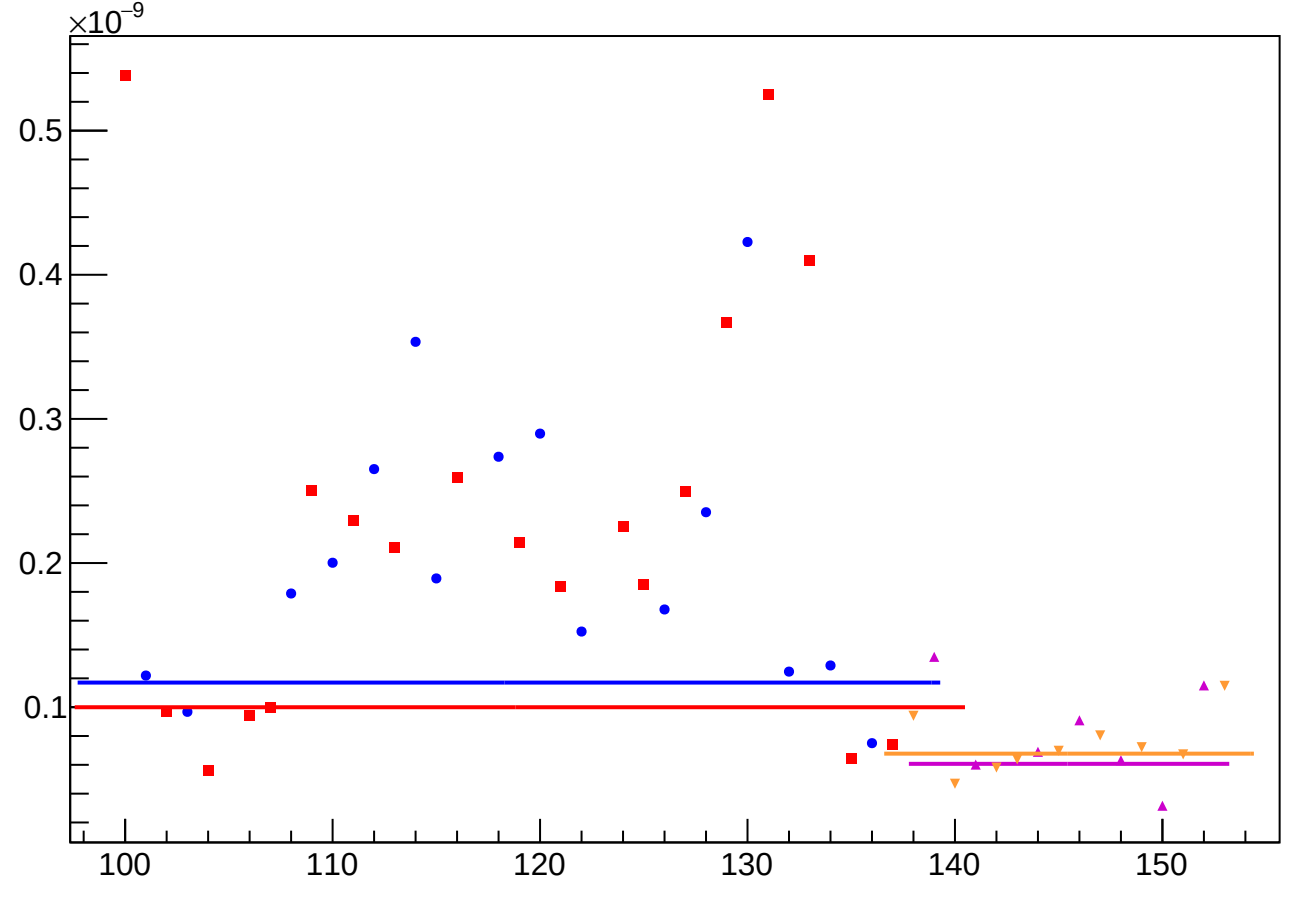
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/6

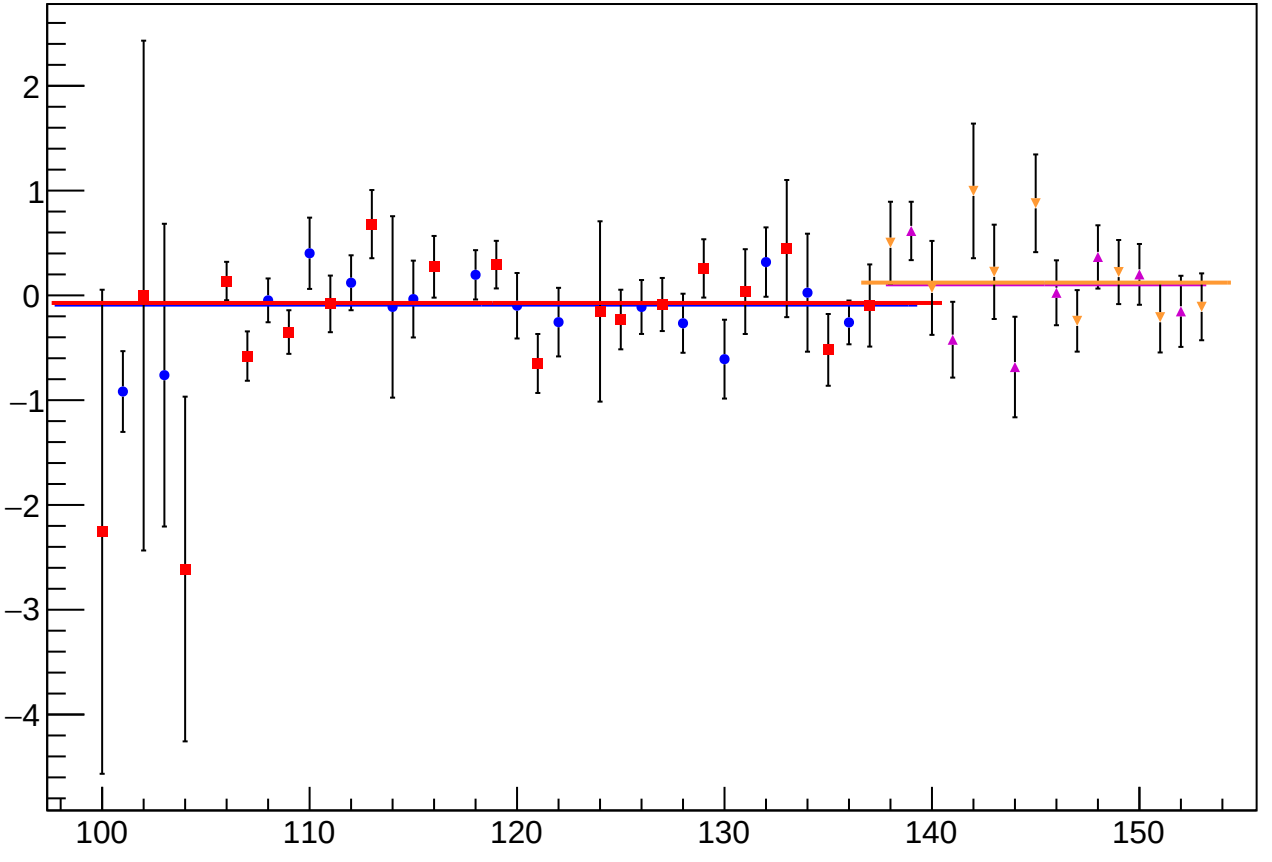
+ sign 0.000+/-0.000 χ^2/NDF: 32.3/24

All: 0.000+/-0.000 χ^2/NDF: 56.8/50

- sign 0.000+/-0.000 χ^2/NDF: 24.1/25


asym_atr_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:328975.4/8
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:884285.0/6
+ sign 0.000+/-0.000 χ²/NDF: 2080652.8/24
All: 0.000+/-0.000 χ²/NDF: 5289250.6/50
- sign 0.000+/-0.000 χ²/NDF: 3157490.9/25

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.122+/-0.125 χ^2/NDF:8.6/8

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

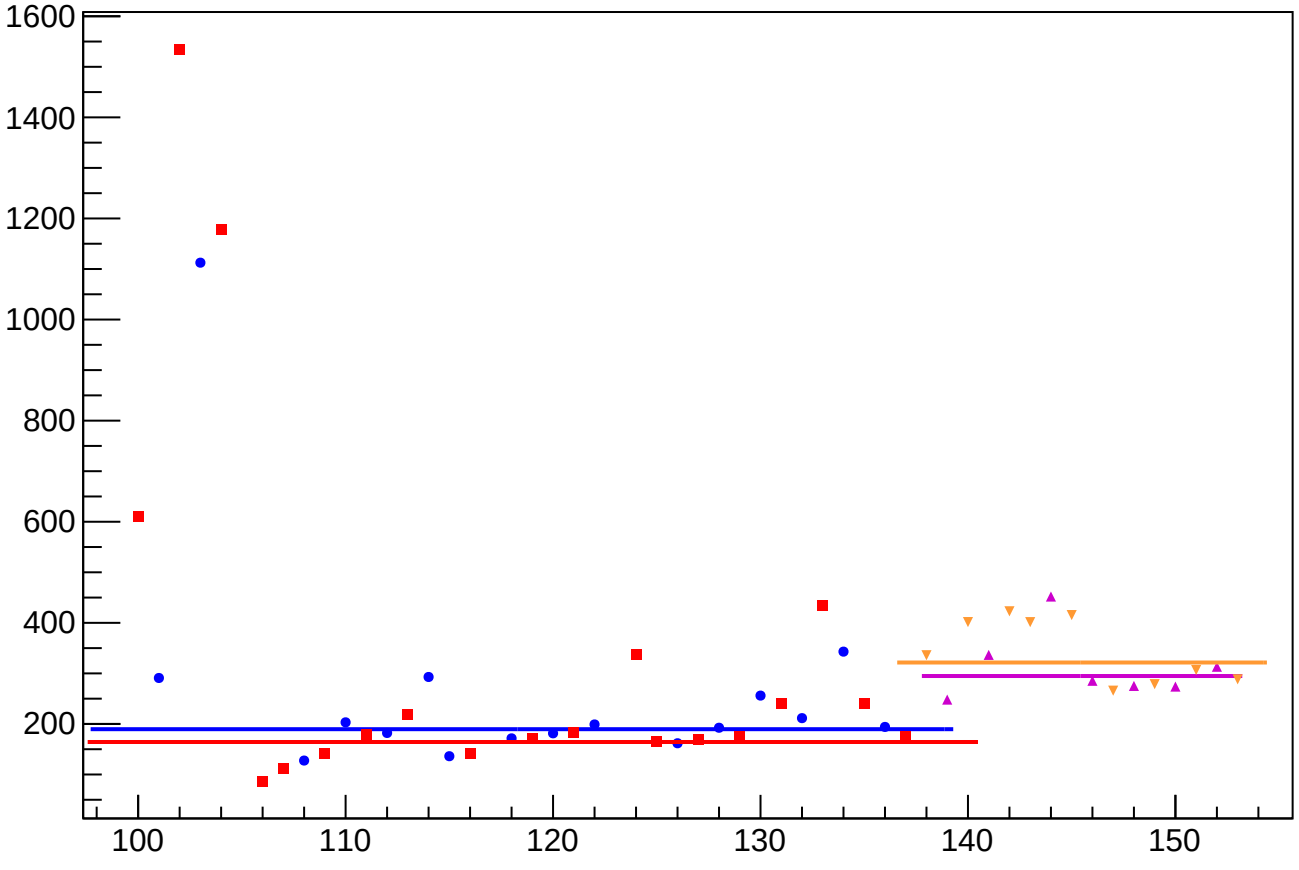
Left In: 0.106+/-0.122 χ^2/NDF:9.7/6

+ sign -0.030+/-0.065 χ^2/NDF: 24.6/24

All: -0.029+/-0.045 χ^2/NDF: 64.5/50

- sign -0.028+/-0.061 χ^2/NDF: 39.9/25

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 321.539+/-0.088 χ^2/NDF:396899.0/8

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

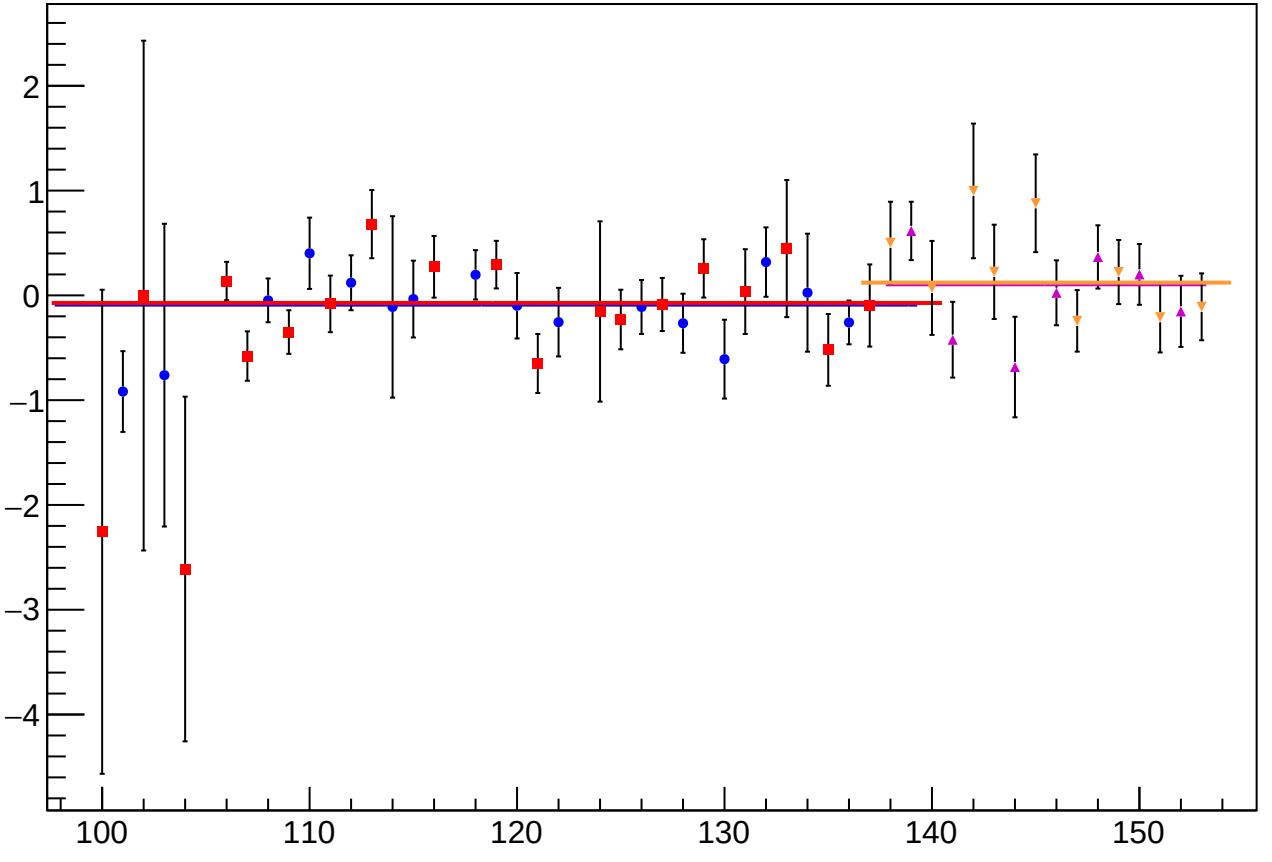
Left In: 294.817+/-0.086 χ^2/NDF:324158.3/6

+ sign 225.925+/-0.046 χ^2/NDF: 3487213.9/24

All: 210.139+/-0.031 χ^2/NDF: 8387635.0/50

- sign 196.494+/-0.043 χ^2/NDF: 4682906.6/25

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.122+/-0.125 χ^2/NDF:8.6/8

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

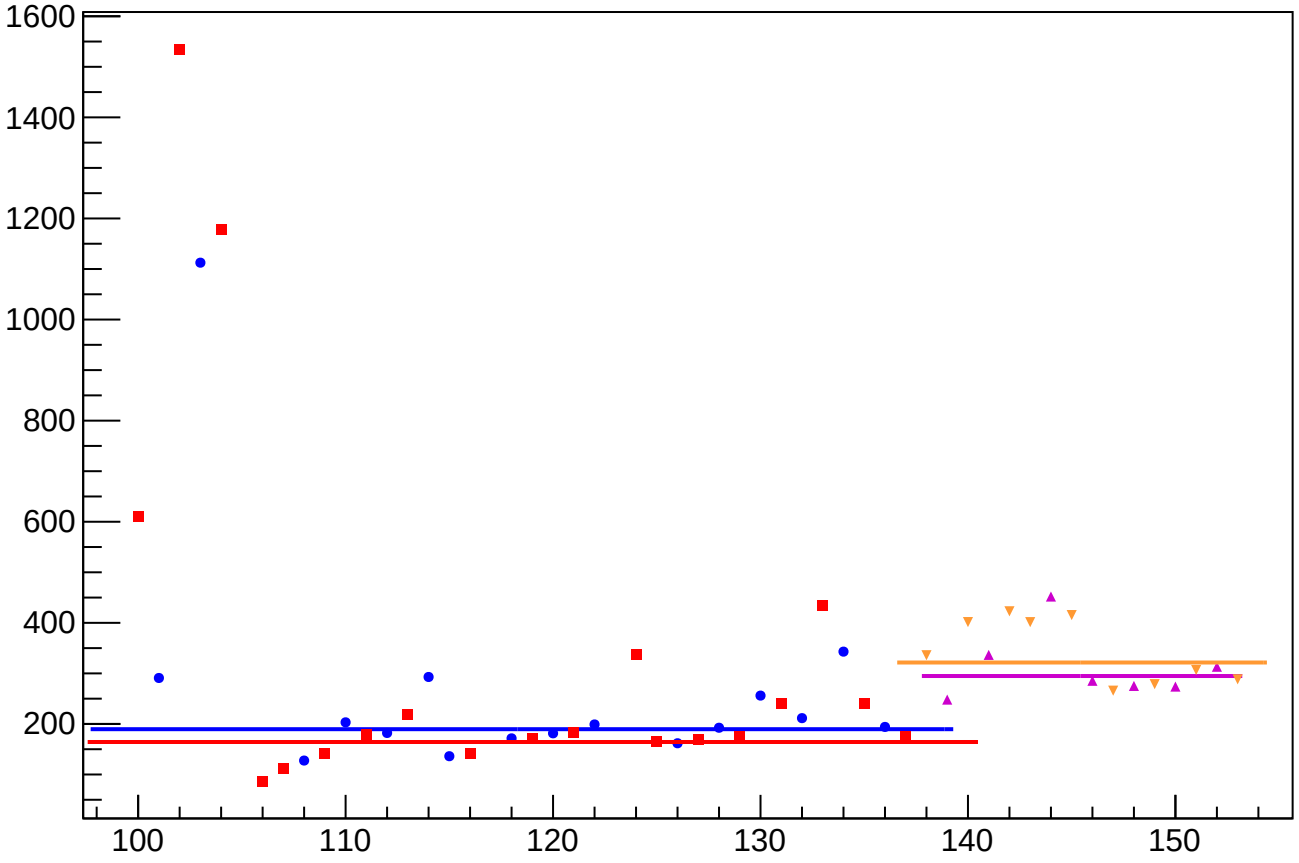
Left In: 0.106+/-0.122 χ^2/NDF:9.7/6

+ sign -0.030+/-0.065 χ^2/NDF: 24.6/24

All: -0.029+/-0.045 χ^2/NDF: 64.5/50

- sign -0.028+/-0.061 χ^2/NDF: 39.9/25

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 321.539+/-0.088 χ^2/NDF:396899.0/8

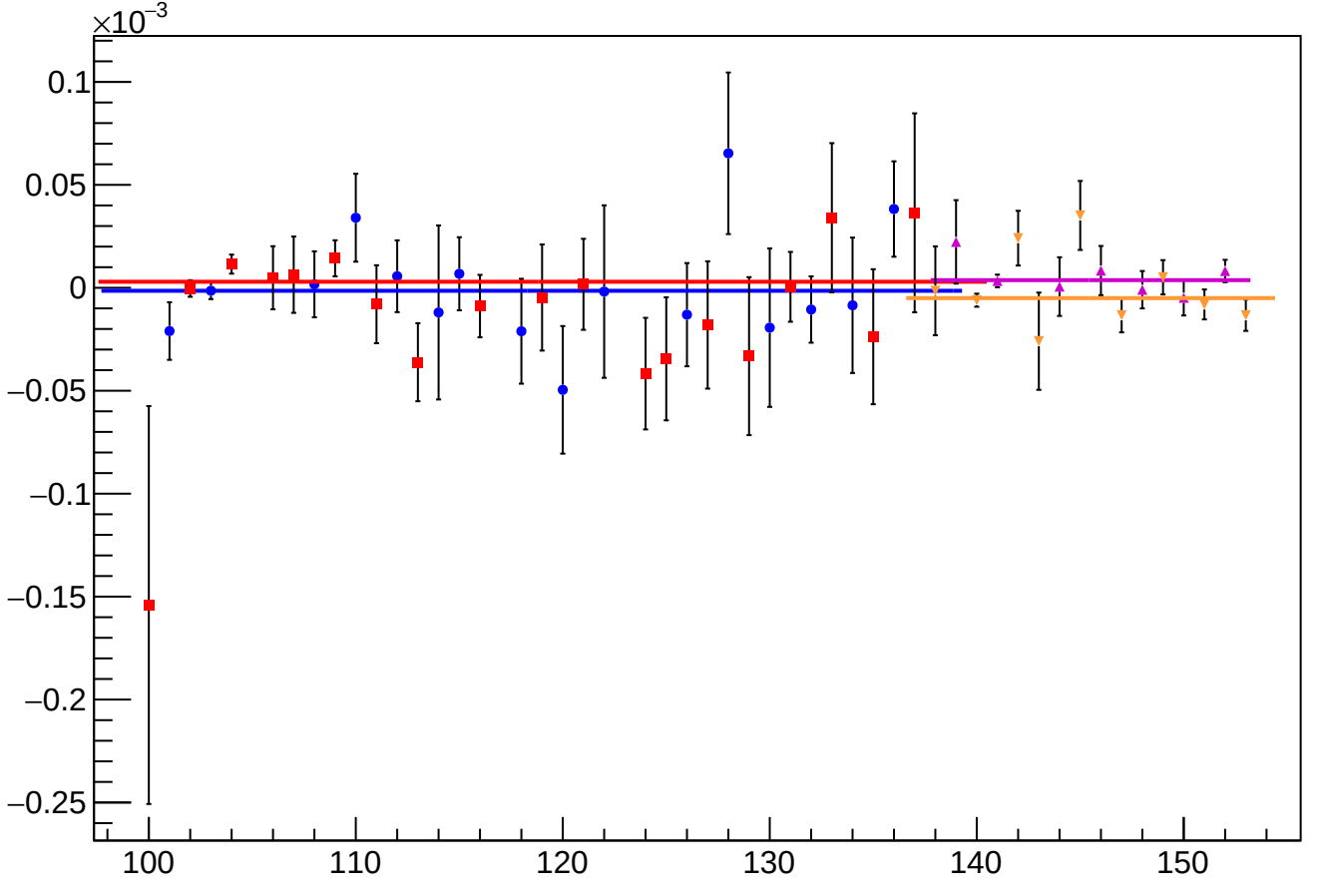
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 294.817+/-0.086 χ^2/NDF:324158.3/6

+ sign 225.925+/-0.046 χ^2/NDF: 3487213.9/24

All: 210.139+/-0.031 χ^2/NDF: 8387635.0/50

- sign 196.494+/-0.043 χ^2/NDF: 4682906.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/8

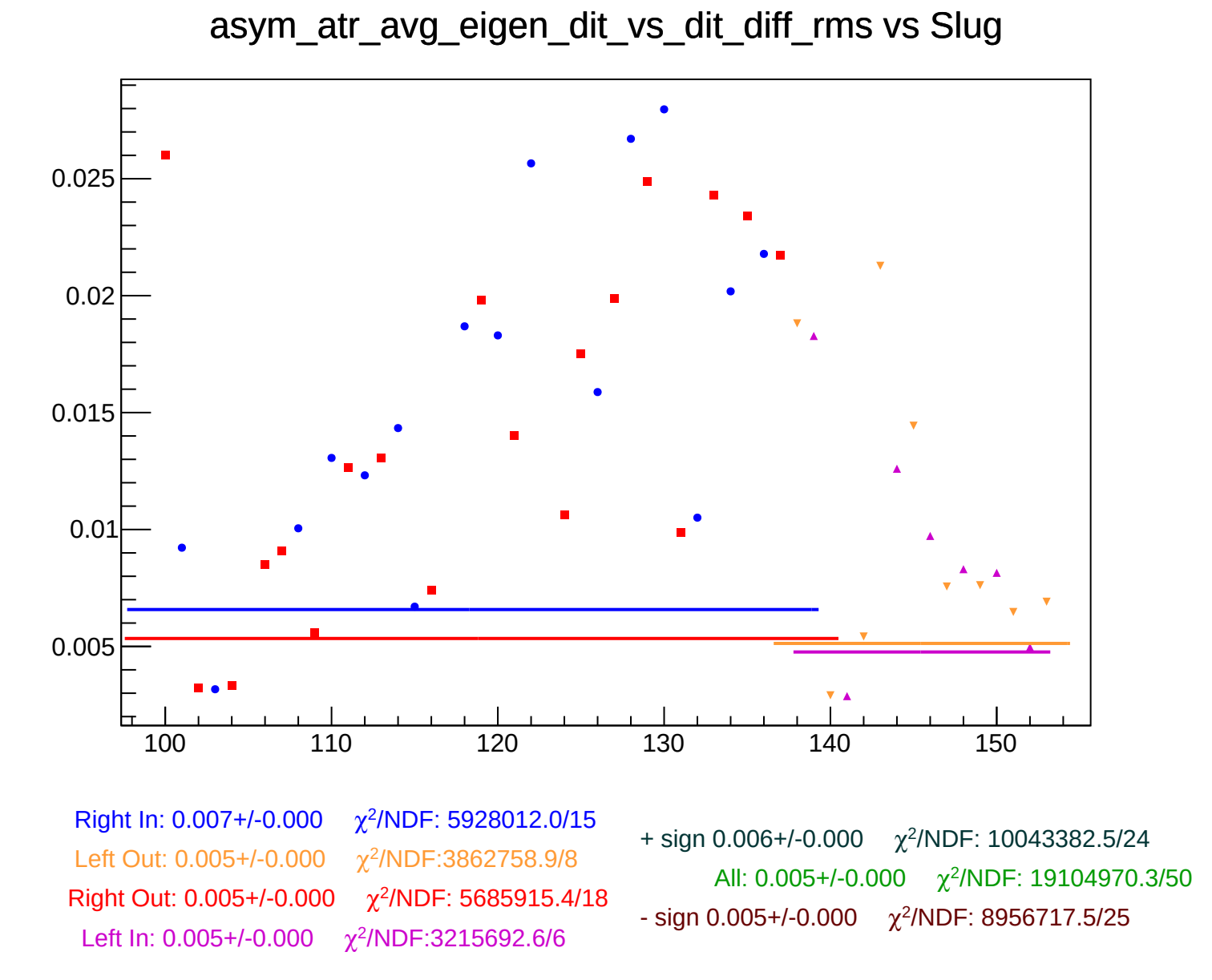
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/6

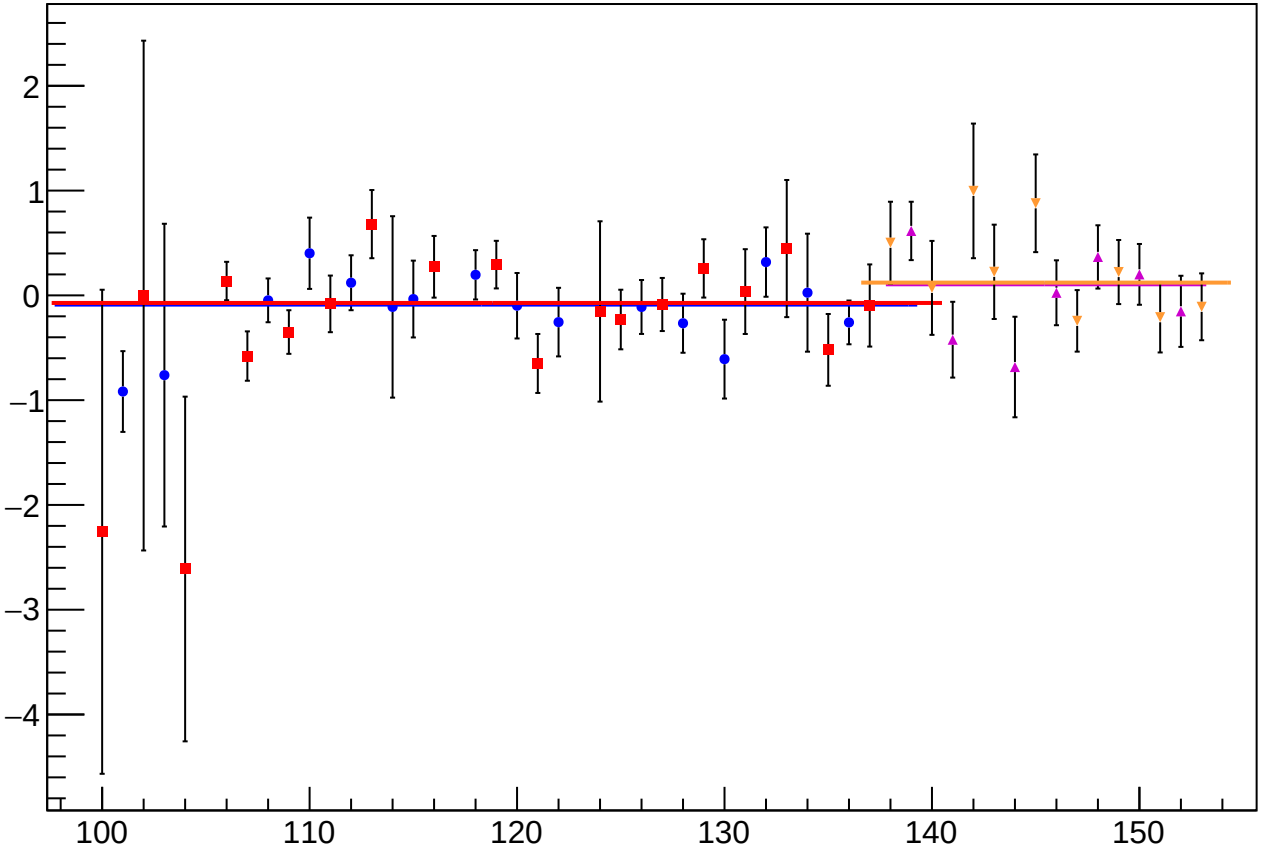
+ sign -0.000+/-0.000 χ^2/NDF: 30.9/24

All: 0.000+/-0.000 χ^2/NDF: 62.8/50

- sign 0.000+/-0.000 χ^2/NDF: 24.3/25


asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.007+/-0.000 χ²/NDF: 5928012.0/15
Left Out: 0.005+/-0.000 χ²/NDF:3862758.9/8
Right Out: 0.005+/-0.000 χ²/NDF: 5685915.4/18
Left In: 0.005+/-0.000 χ²/NDF:3215692.6/6
+ sign 0.006+/-0.000 χ²/NDF: 10043382.5/24
All: 0.005+/-0.000 χ²/NDF: 19104970.3/50
- sign 0.005+/-0.000 χ²/NDF: 8956717.5/25

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.122+/-0.125 χ^2/NDF:8.6/8

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

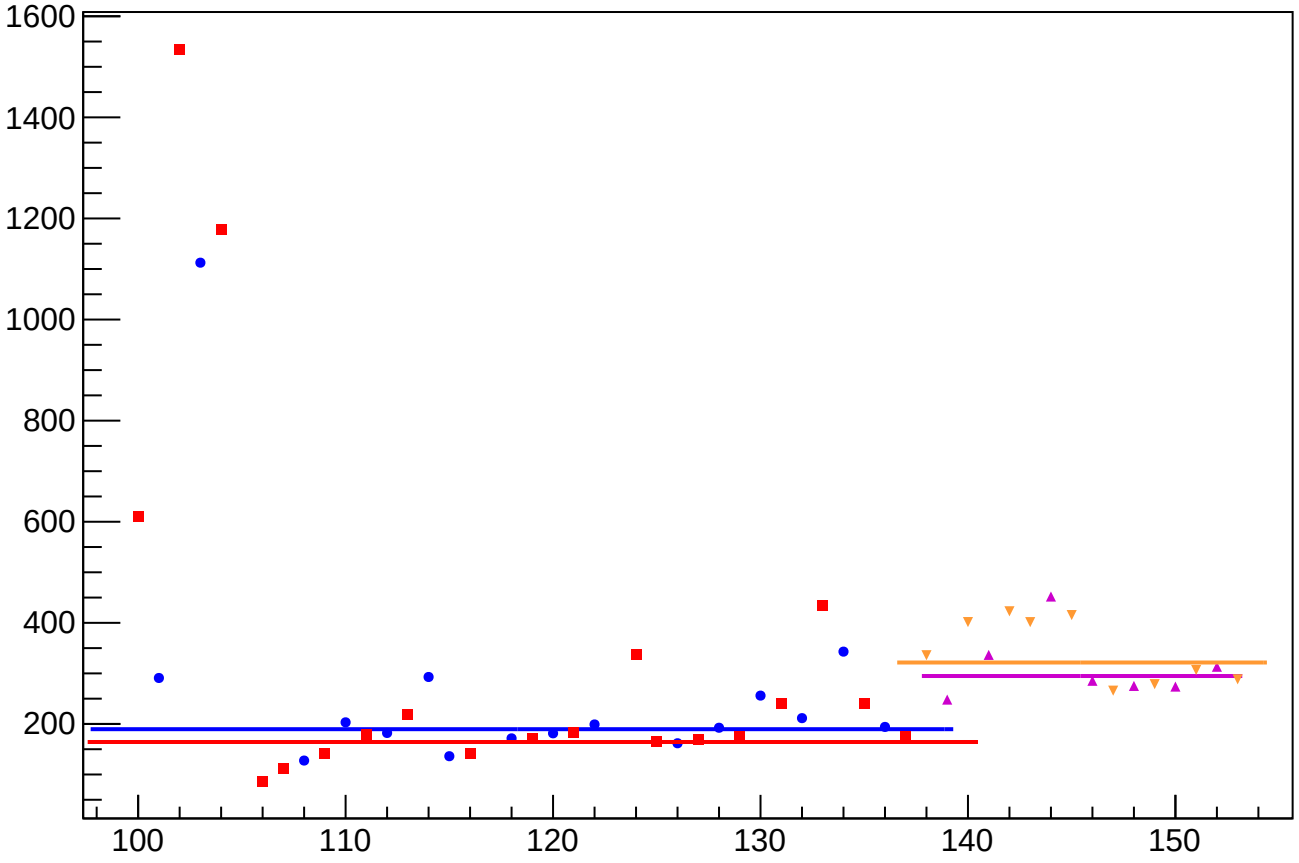
Left In: 0.106+/-0.122 χ^2/NDF:9.7/6

+ sign -0.030+/-0.065 χ^2/NDF: 24.6/24

All: -0.029+/-0.045 χ^2/NDF: 64.5/50

- sign -0.028+/-0.061 χ^2/NDF: 39.9/25

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 321.543+/-0.088 χ^2/NDF:396890.2/8

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

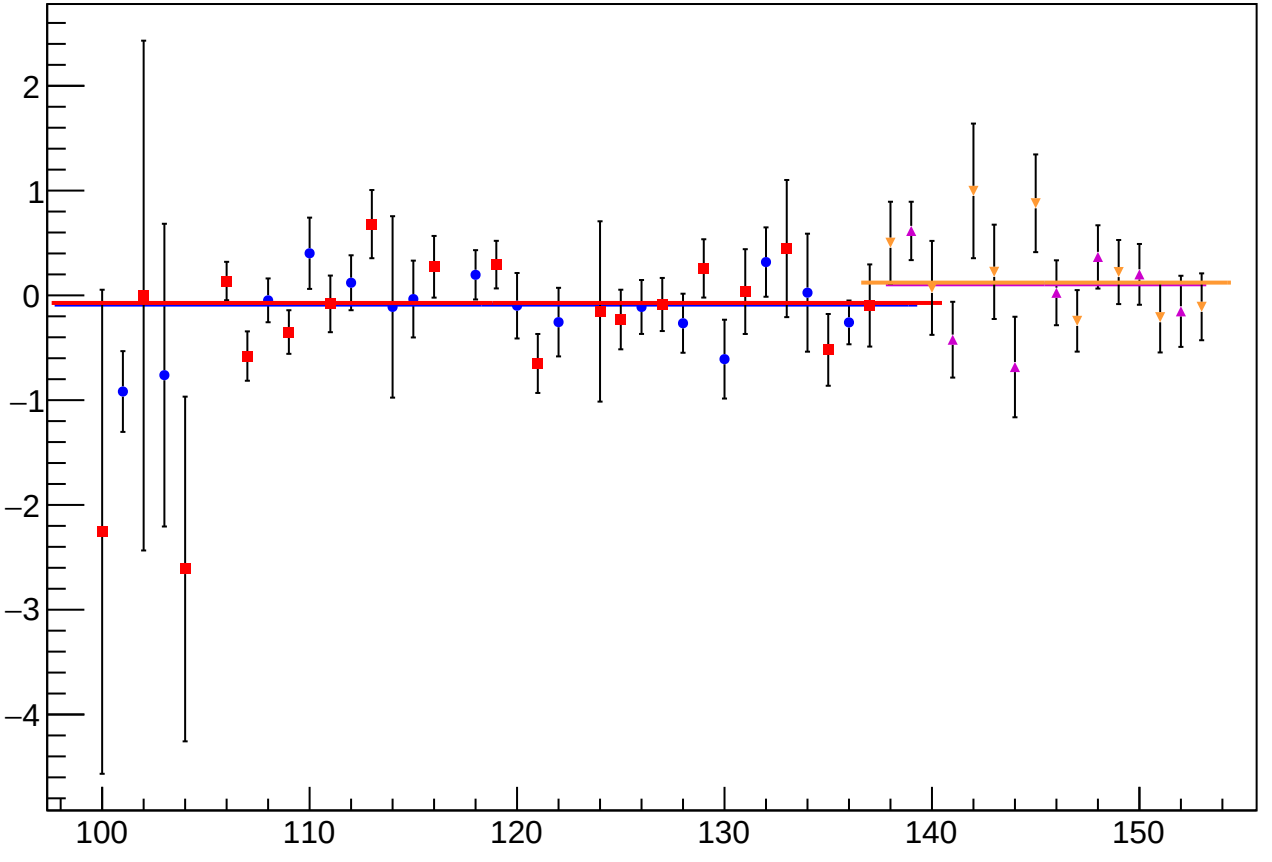
Left In: 294.821+/-0.087 χ^2/NDF:324141.5/6

+ sign 225.925+/-0.046 χ^2/NDF: 3487283.0/24

All: 210.139+/-0.031 χ^2/NDF: 8387763.3/50

- sign 196.494+/-0.043 χ^2/NDF: 4682962.7/25

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.122+/-0.125 χ^2/NDF:8.6/8

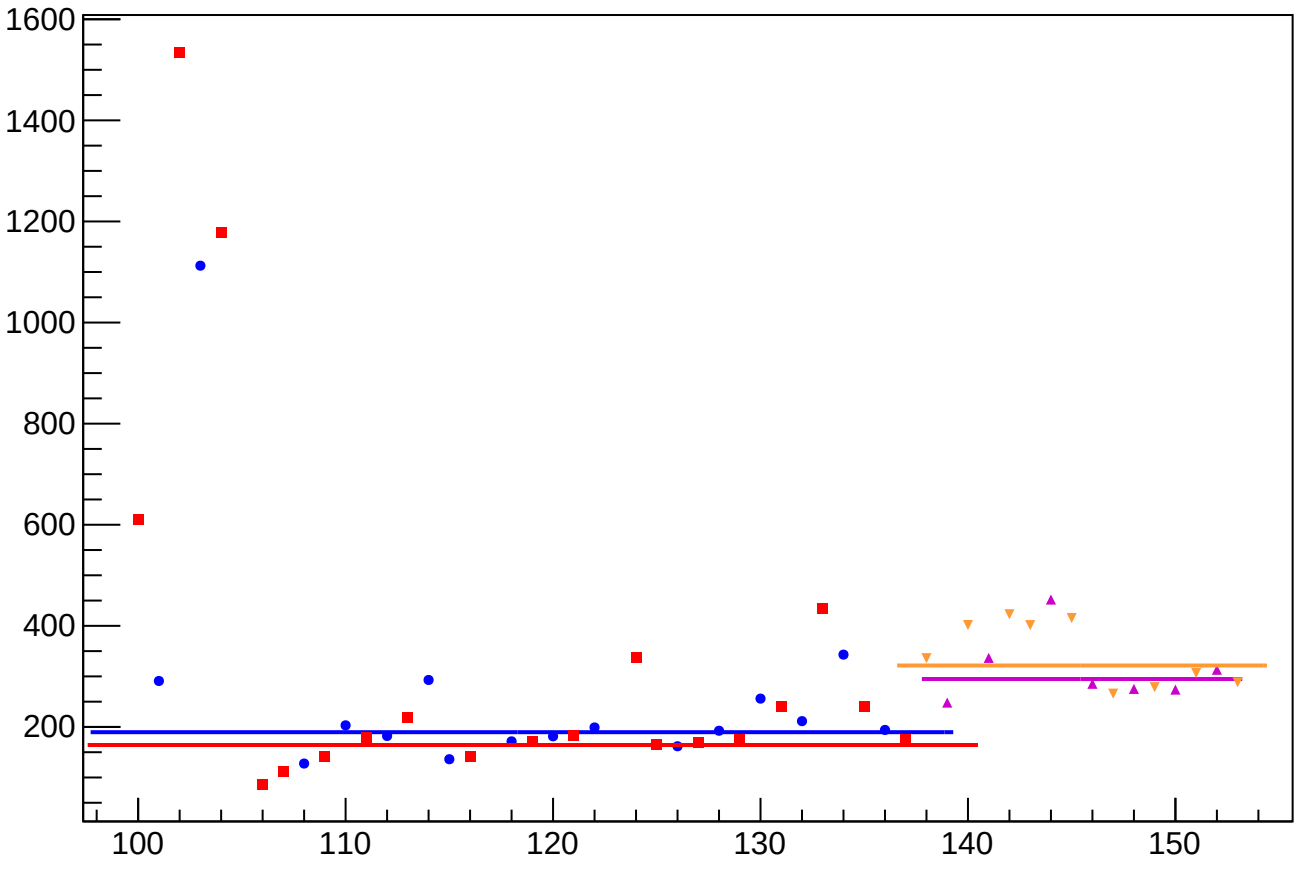
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.106+/-0.122 χ^2/NDF:9.7/6

+ sign -0.030+/-0.065 χ^2/NDF: 24.6/24

All: -0.029+/-0.045 χ^2/NDF: 64.5/50

- sign -0.028+/-0.061 χ^2/NDF: 39.9/25



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 321.543+/-0.088 χ^2/NDF:396890.2/8

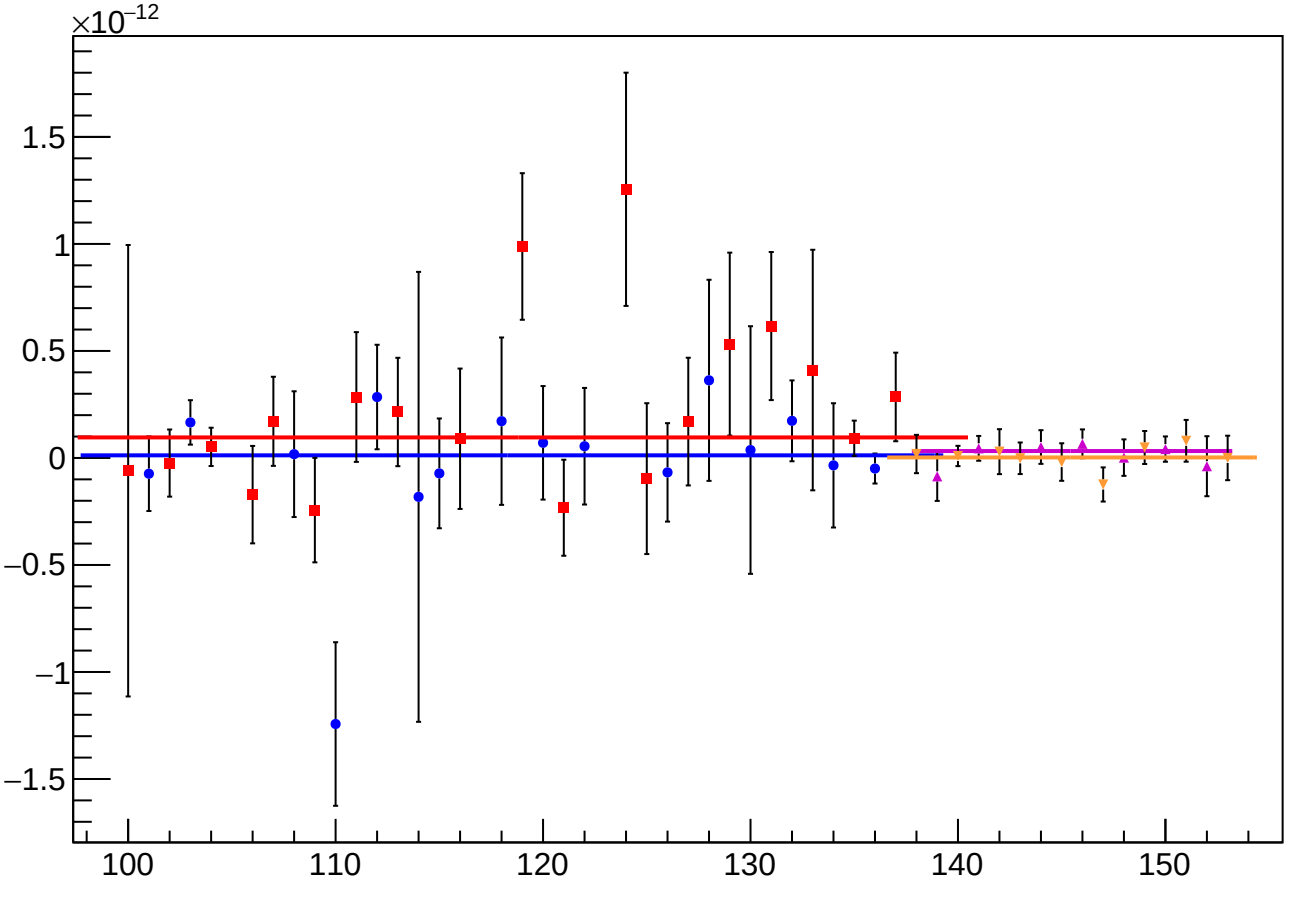
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 294.821+/-0.087 χ^2/NDF:324141.5/6

+ sign 225.925+/-0.046 χ^2/NDF: 3487283.0/24

All: 210.139+/-0.031 χ^2/NDF: 8387763.3/50

- sign 196.494+/-0.043 χ^2/NDF: 4682962.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

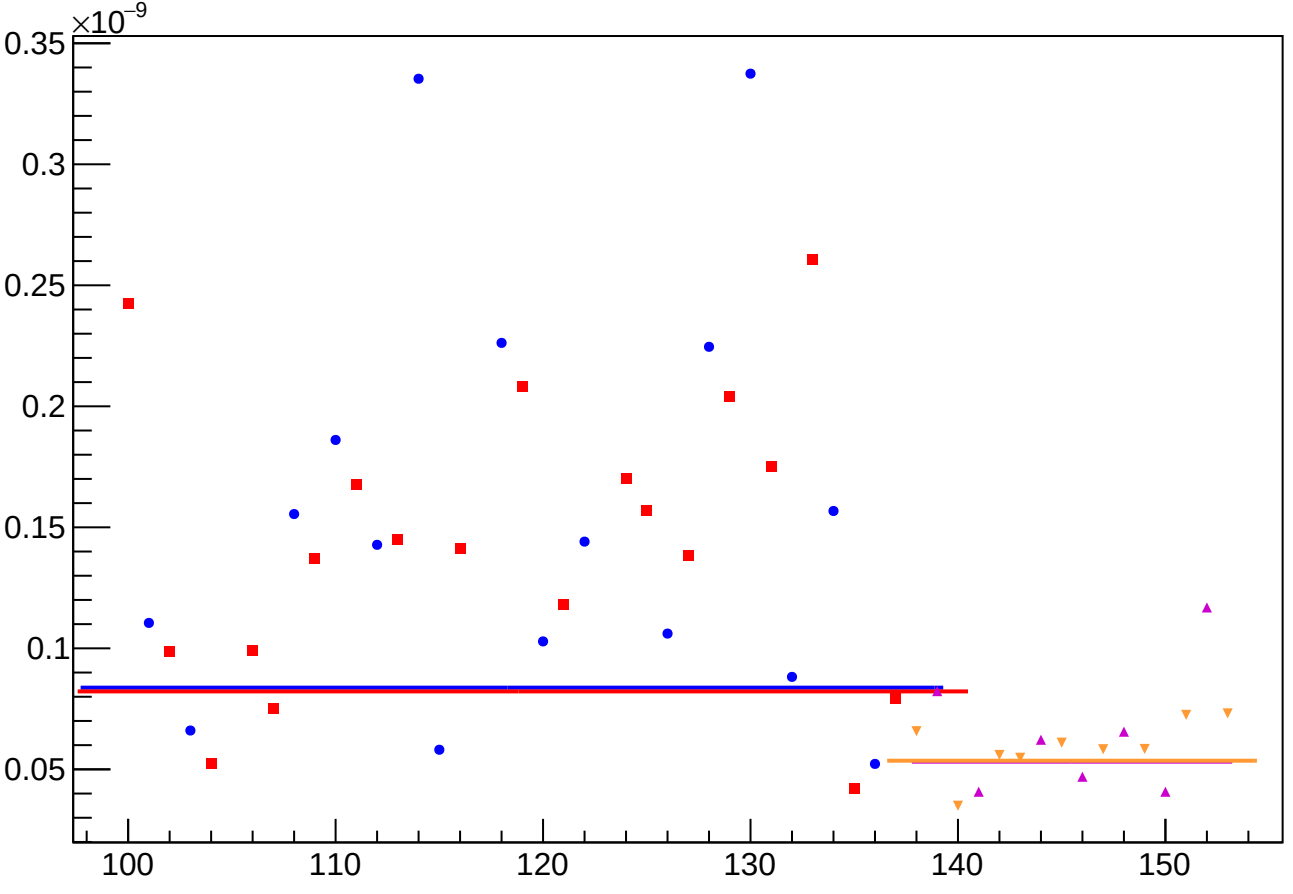
Left In: 0.000+/-0.000 χ^2/NDF:1.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 20.8/24

All: 0.000+/-0.000 χ^2/NDF: 49.2/50

- sign 0.000+/-0.000 χ^2/NDF: 26.4/25

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:522028.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

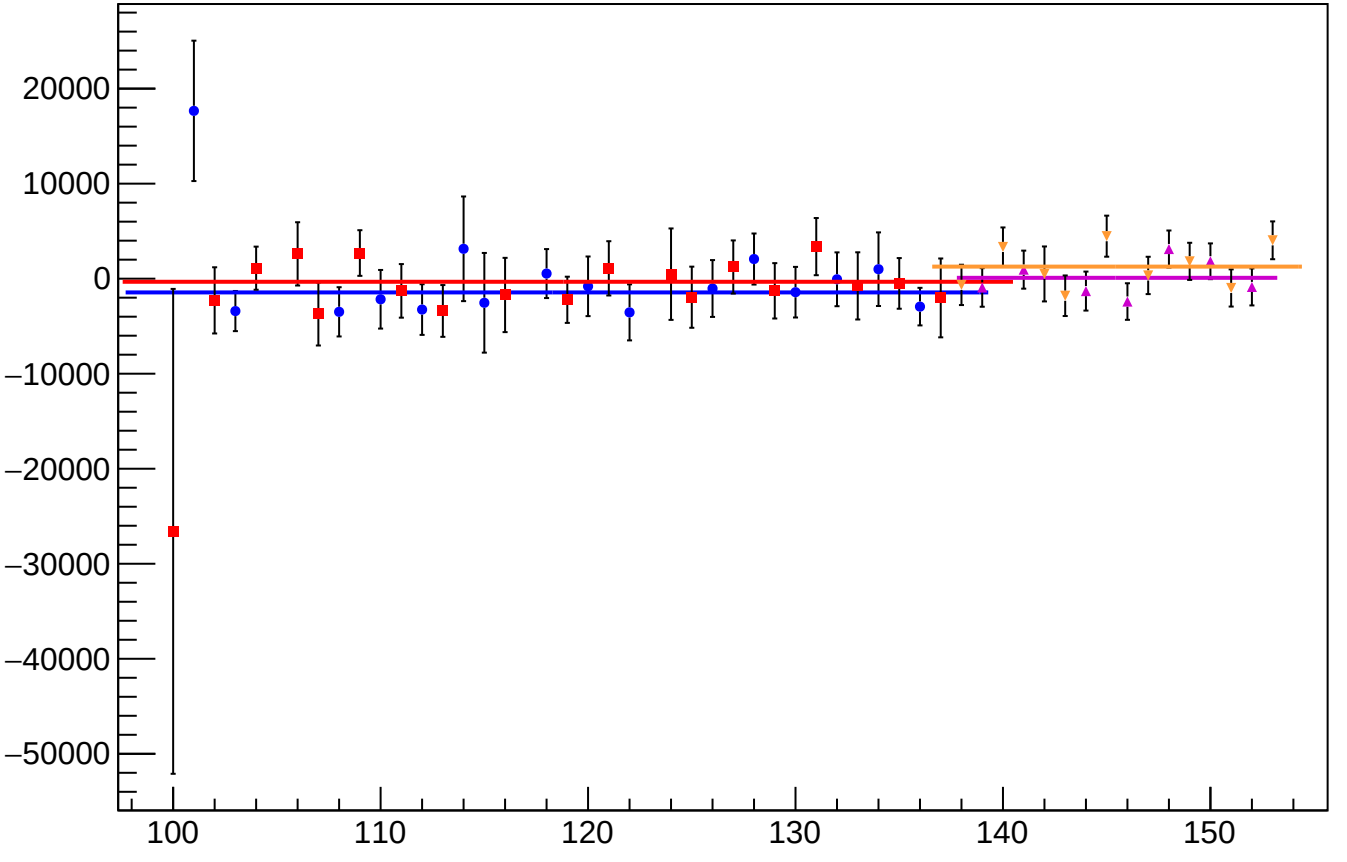
Left In: 0.000+/-0.000 χ^2/NDF:808173.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 3294803.3/24

All: 0.000+/-0.000 χ^2/NDF: 6974250.9/50

- sign 0.000+/-0.000 χ^2/NDF: 3678688.4/25

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1269.783+/-698.881 χ^2/NDF:9.7/8

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

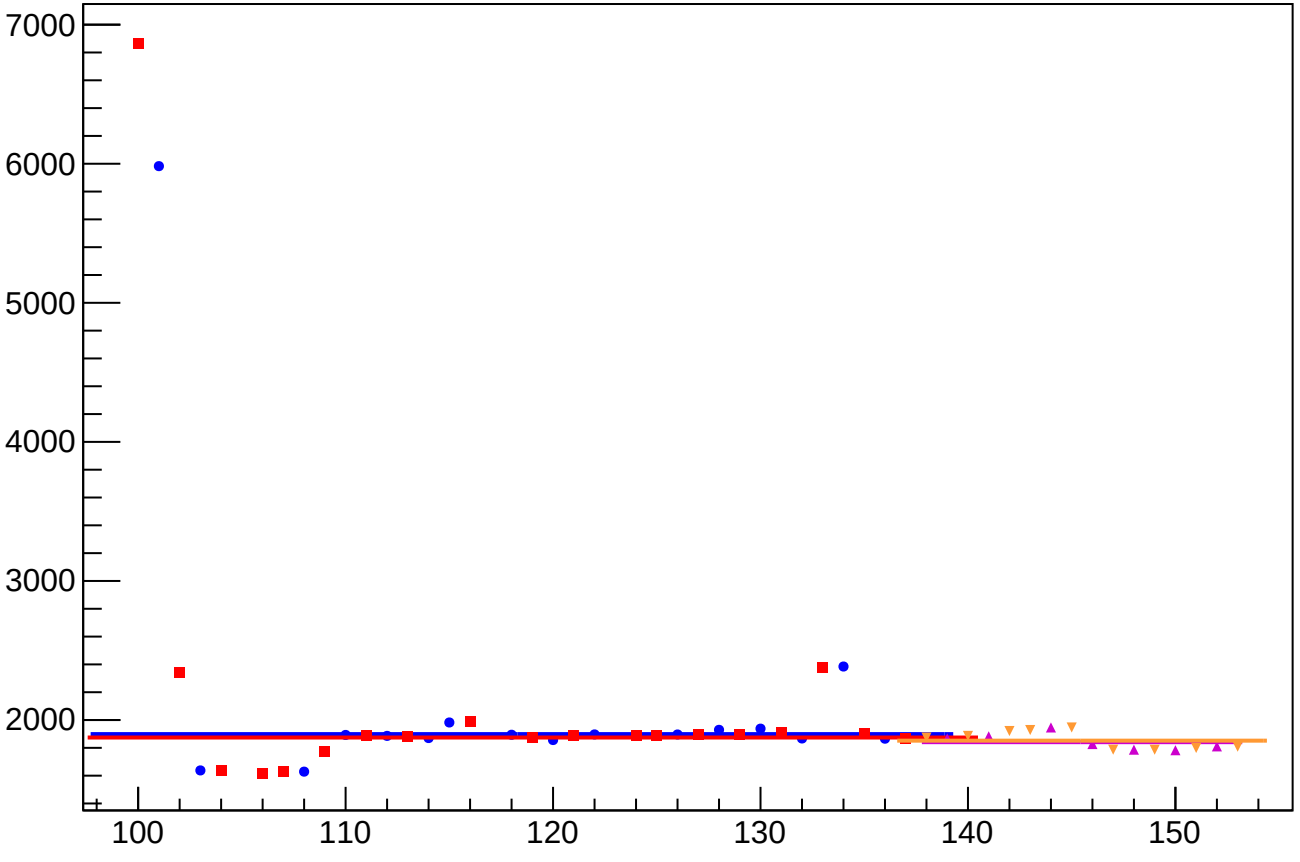
Left In: 89.247+/-743.243 χ^2/NDF:6.1/6

+ sign -42.055+/-502.541 χ^2/NDF: 30.5/24

All: -85.317+/-358.164 χ^2/NDF: 46.8/50

- sign -129.977+/-510.595 χ^2/NDF: 16.2/25

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1851.690+/-0.494 χ^2/NDF:15122.2/8

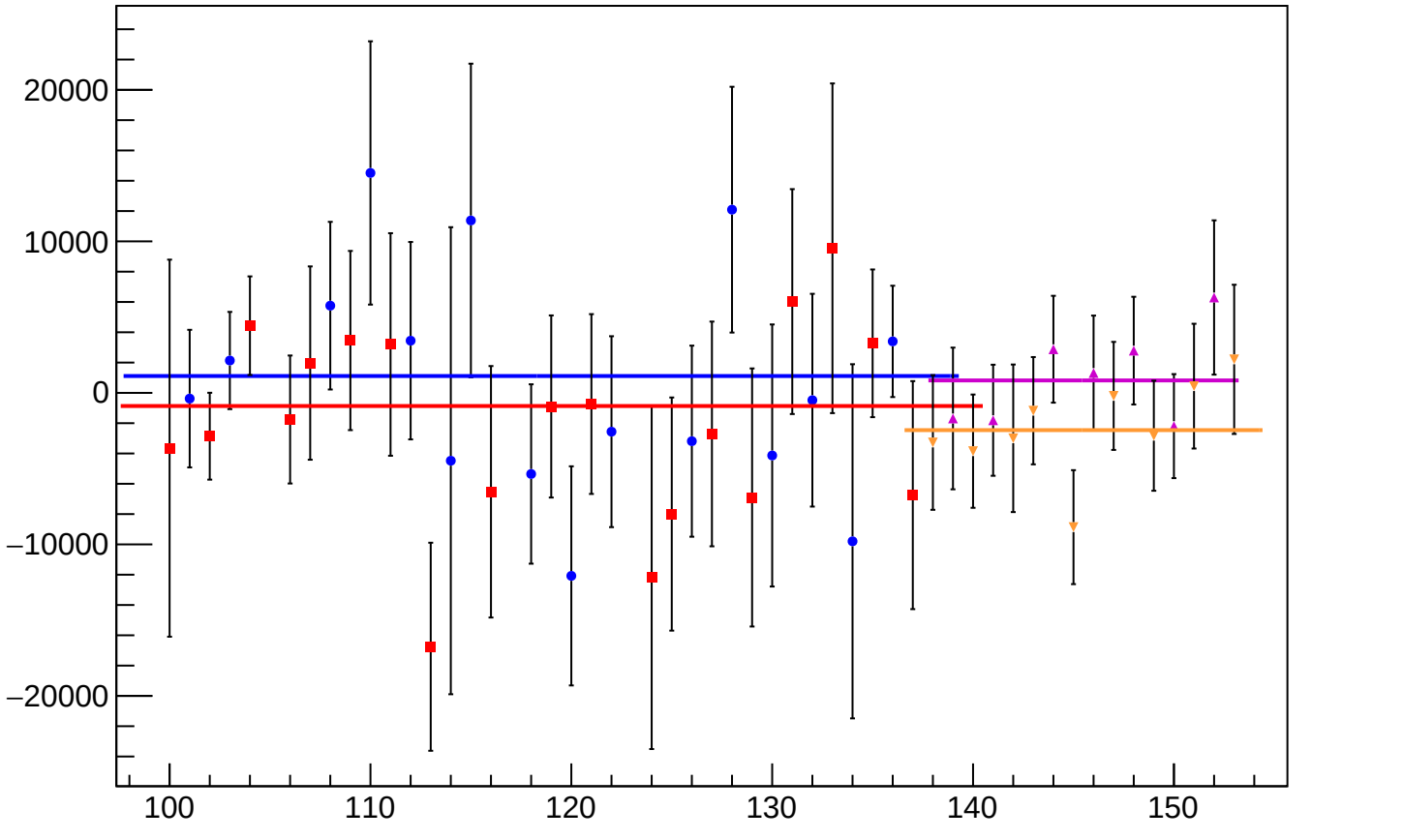
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1840.815+/-0.526 χ^2/NDF:10557.7/6

+ sign 1874.454+/-0.355 χ^2/NDF: 717030.0/24

All: 1866.603+/-0.253 χ^2/NDF: 938380.0/50

- sign 1858.527+/-0.360 χ^2/NDF: 220359.7/25



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -2458.632+/-1325.083 χ^2/NDF:5.0/8

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

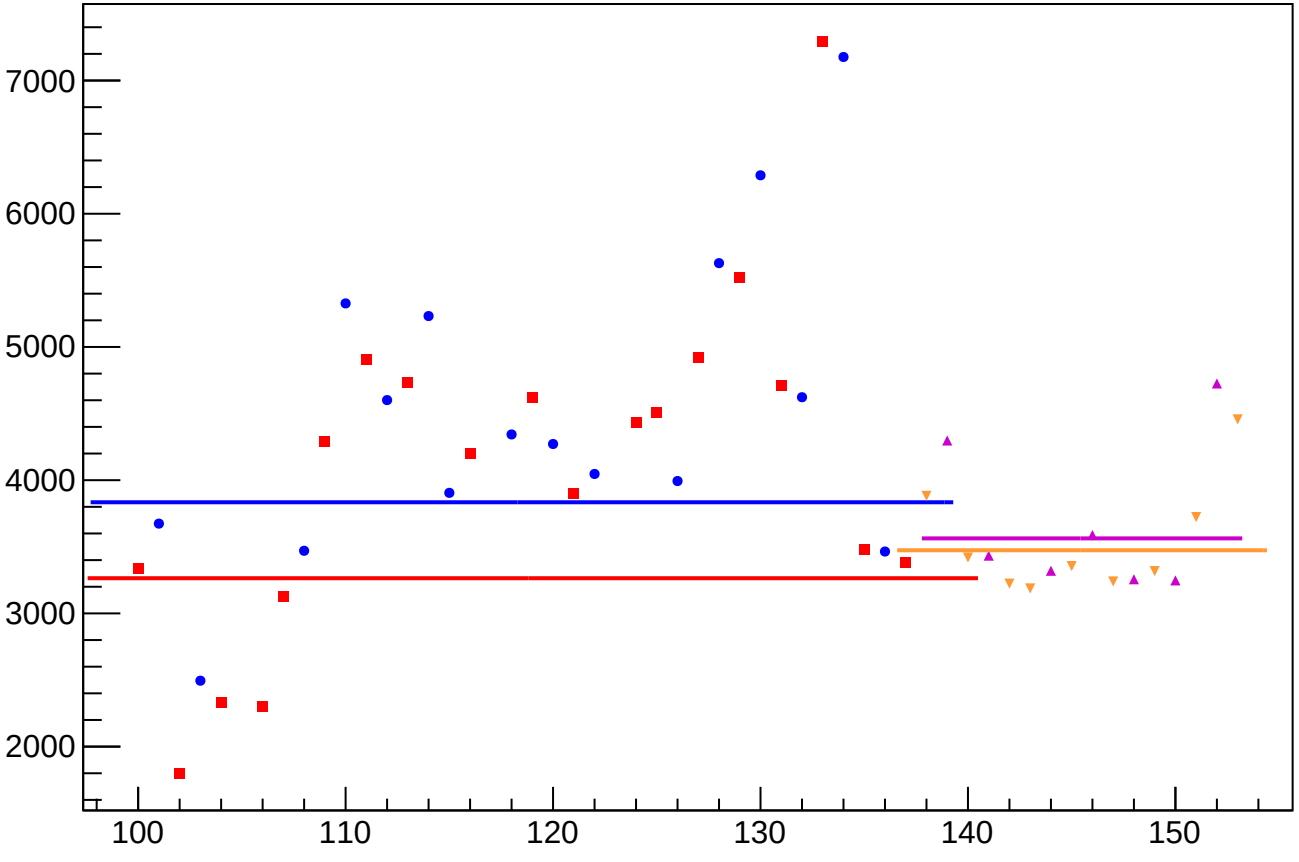
Left In: 821.824+/-1454.281 χ^2/NDF:3.4/6

\+ sign -868.724+/-986.999 χ^2/NDF: 21.6/24

All: -484.773+/-692.620 χ^2/NDF: 41.7/50

\- sign -112.255+/-972.193 χ^2/NDF: 19.8/25

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3473.857+/-0.937 χ^2/NDF:137023.1/8

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

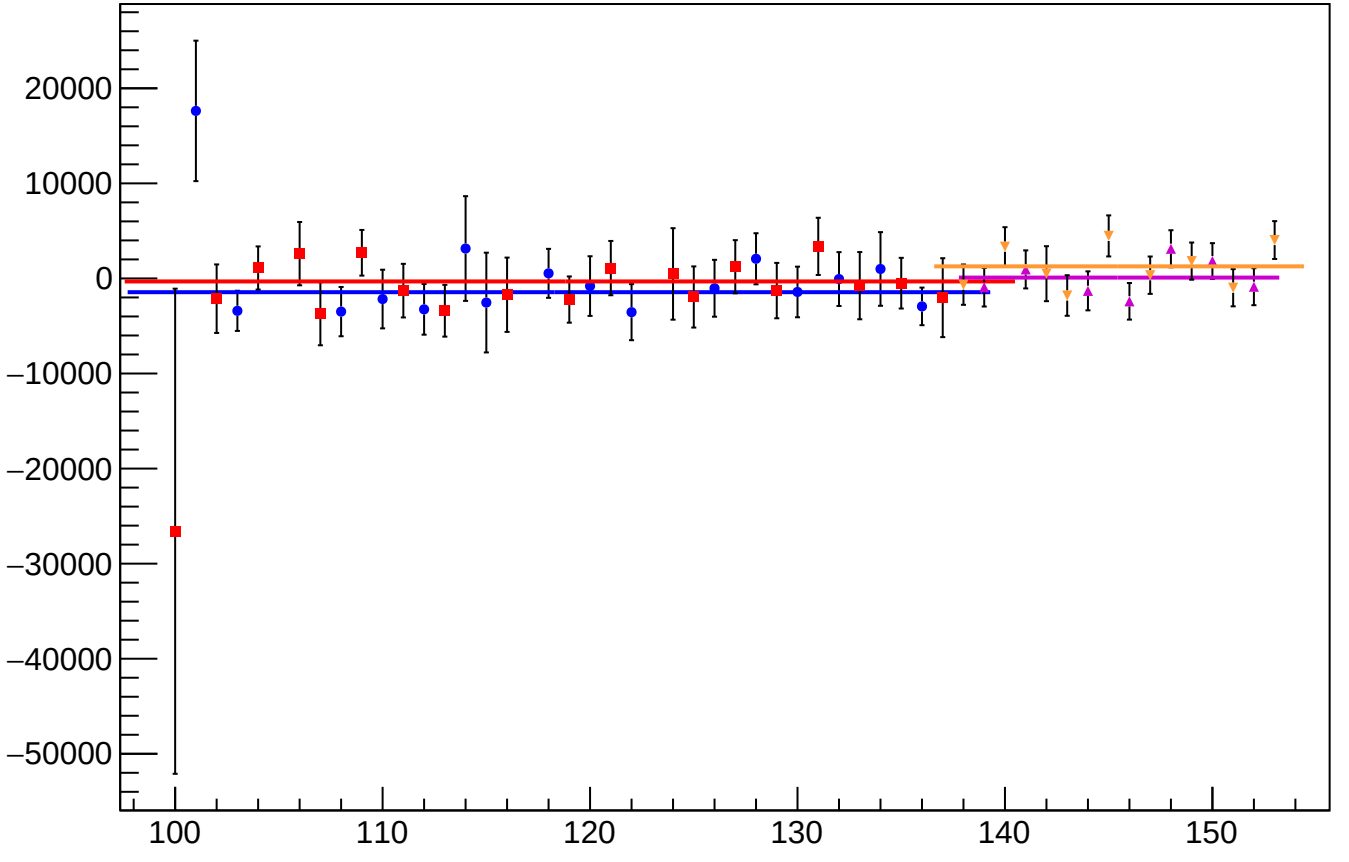
Left In: 3563.087+/-1.028 χ^2/NDF:197603.8/6

+ sign 3634.261+/-0.698 χ^2/NDF: 1159629.5/24

All: 3514.204+/-0.490 χ^2/NDF: 3326530.4/50

- sign 3397.722+/-0.687 χ^2/NDF: 2108598.6/25

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1269.847+/-698.881 χ^2/NDF:9.7/8

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

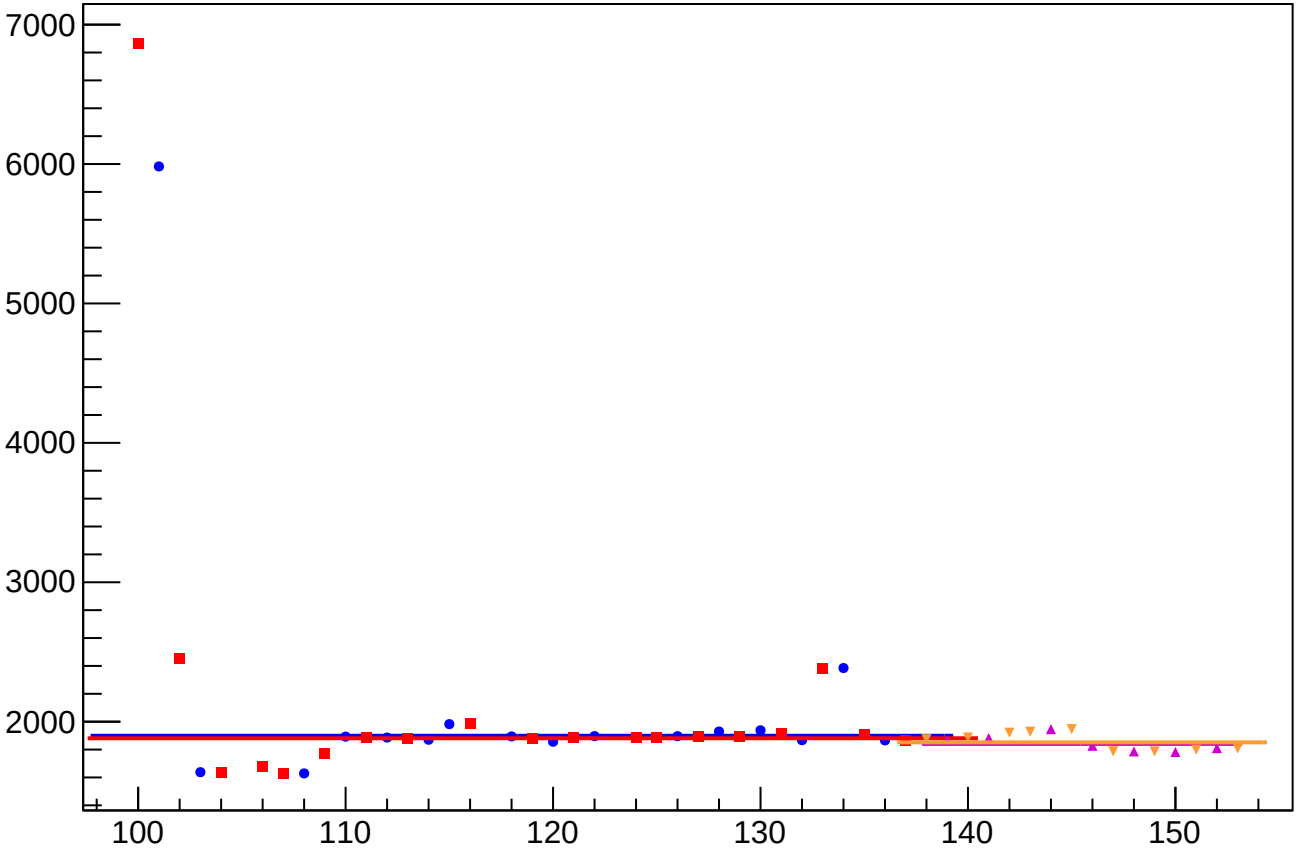
Left In: 89.178+/-743.243 χ^2/NDF:6.1/6

+ sign -42.209+/-502.541 χ^2/NDF: 30.5/24

All: -82.534+/-358.289 χ^2/NDF: 46.6/50

- sign -124.222+/-510.959 χ^2/NDF: 16.1/25

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1851.690+/-0.494 χ^2/NDF:15122.2/8

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

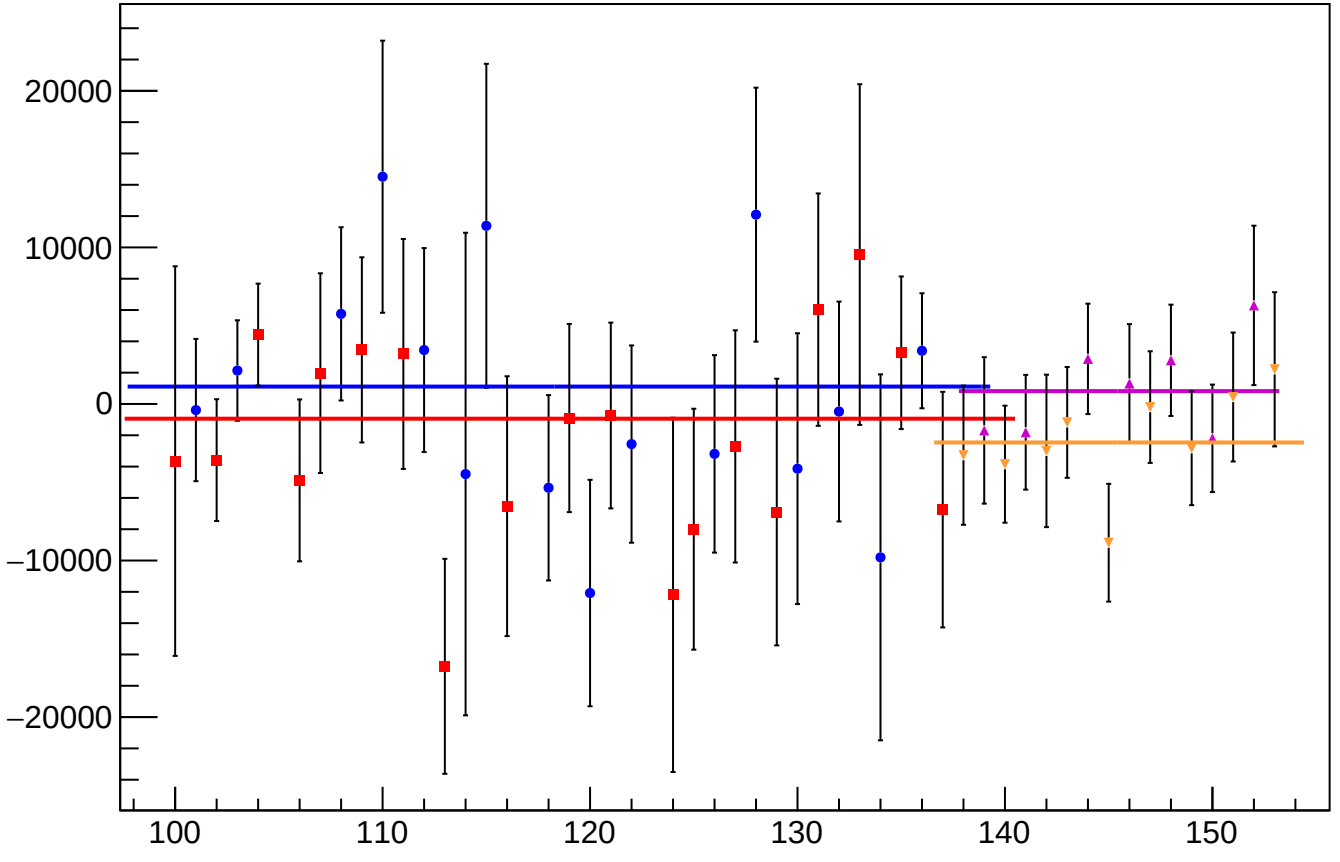
Left In: 1840.815+/-0.526 χ^2/NDF:10557.7/6

+ sign 1874.454+/-0.355 χ^2/NDF: 717030.1/24

All: 1868.346+/-0.253 χ^2/NDF: 947841.5/50

- sign 1862.042+/-0.361 χ^2/NDF: 230211.0/25

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2458.594+/-1325.082 χ^2/NDF:5.0/8

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

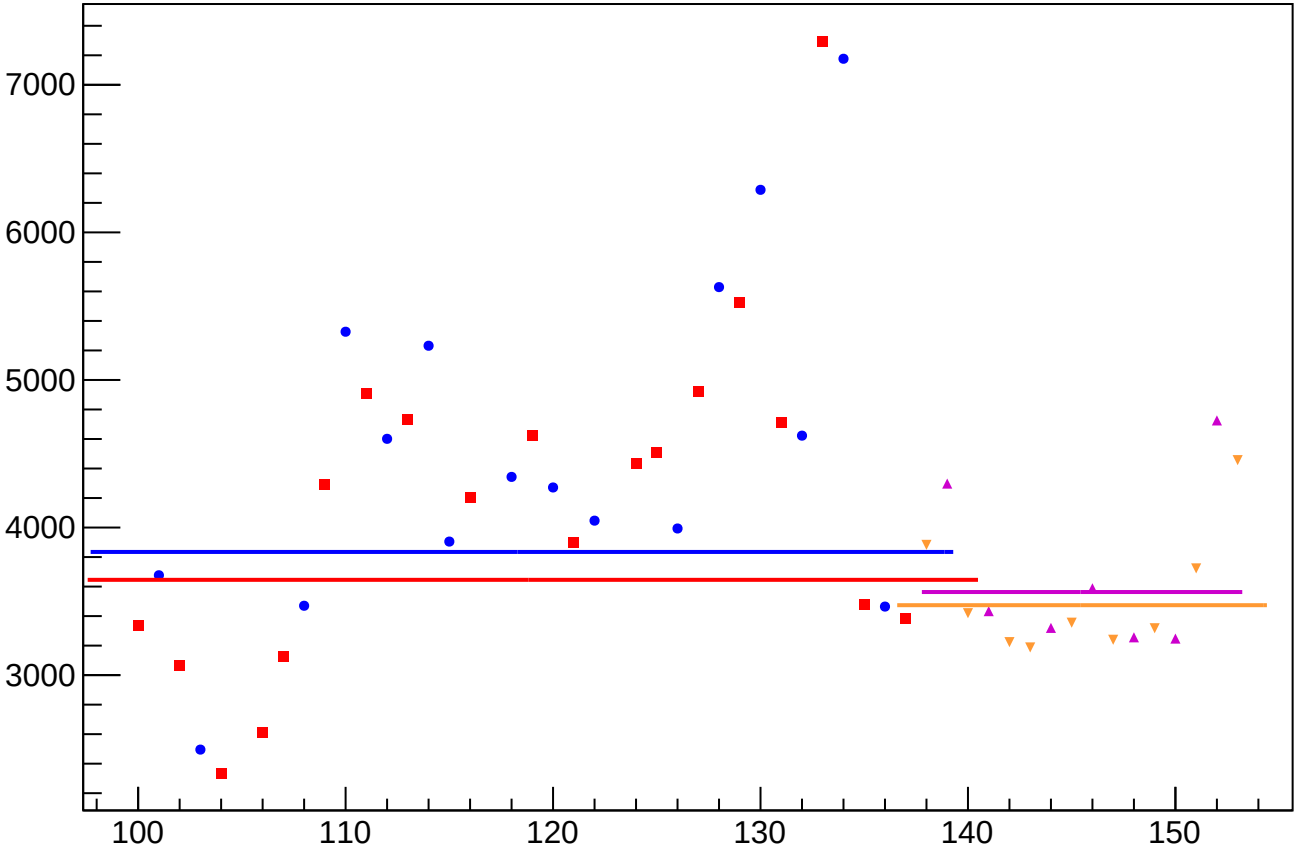
Left In: 821.934+/-1454.278 χ^2/NDF:3.4/6

+ sign -869.430+/-987.050 χ^2/NDF: 21.6/24

All: -489.709+/-705.314 χ^2/NDF: 42.3/50

- sign -93.529+/-1008.215 χ^2/NDF: 20.3/25

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3473.857+/-0.937 χ^2/NDF:137029.0/8

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

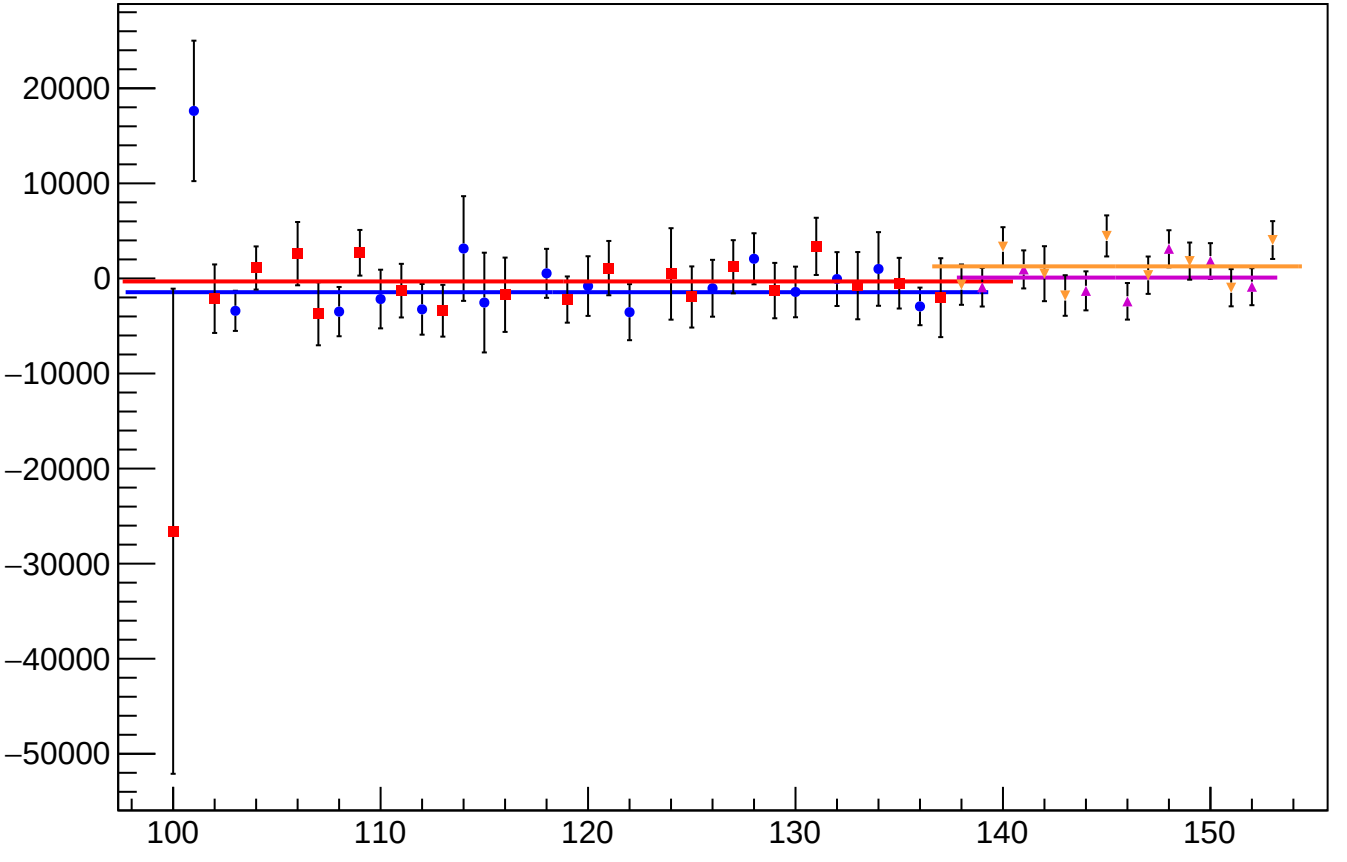
Left In: 3563.078+/-1.028 χ^2/NDF:197609.4/6

+ sign 3634.474+/-0.698 χ^2/NDF: 1159356.2/24

All: 3620.531+/-0.499 χ^2/NDF: 2486114.3/50

- sign 3605.983+/-0.713 χ^2/NDF: 1325942.7/25

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1269.847+/-698.881 χ^2/NDF:9.7/8

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

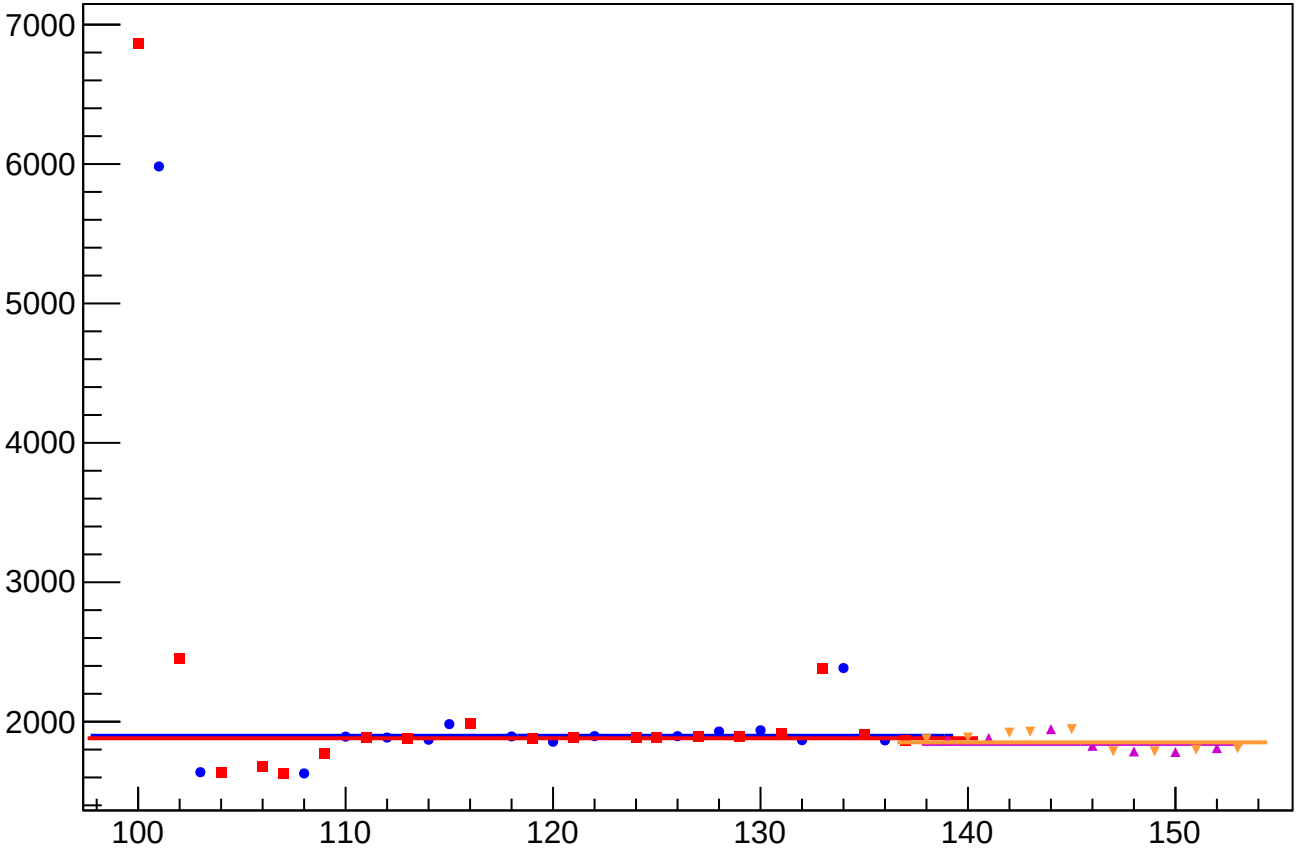
Left In: 89.178+/-743.243 χ^2/NDF:6.1/6

+ sign -42.209+/-502.541 χ^2/NDF: 30.5/24

All: -82.534+/-358.289 χ^2/NDF: 46.6/50

- sign -124.222+/-510.959 χ^2/NDF: 16.1/25

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1851.690+/-0.494 χ^2/NDF:15122.2/8

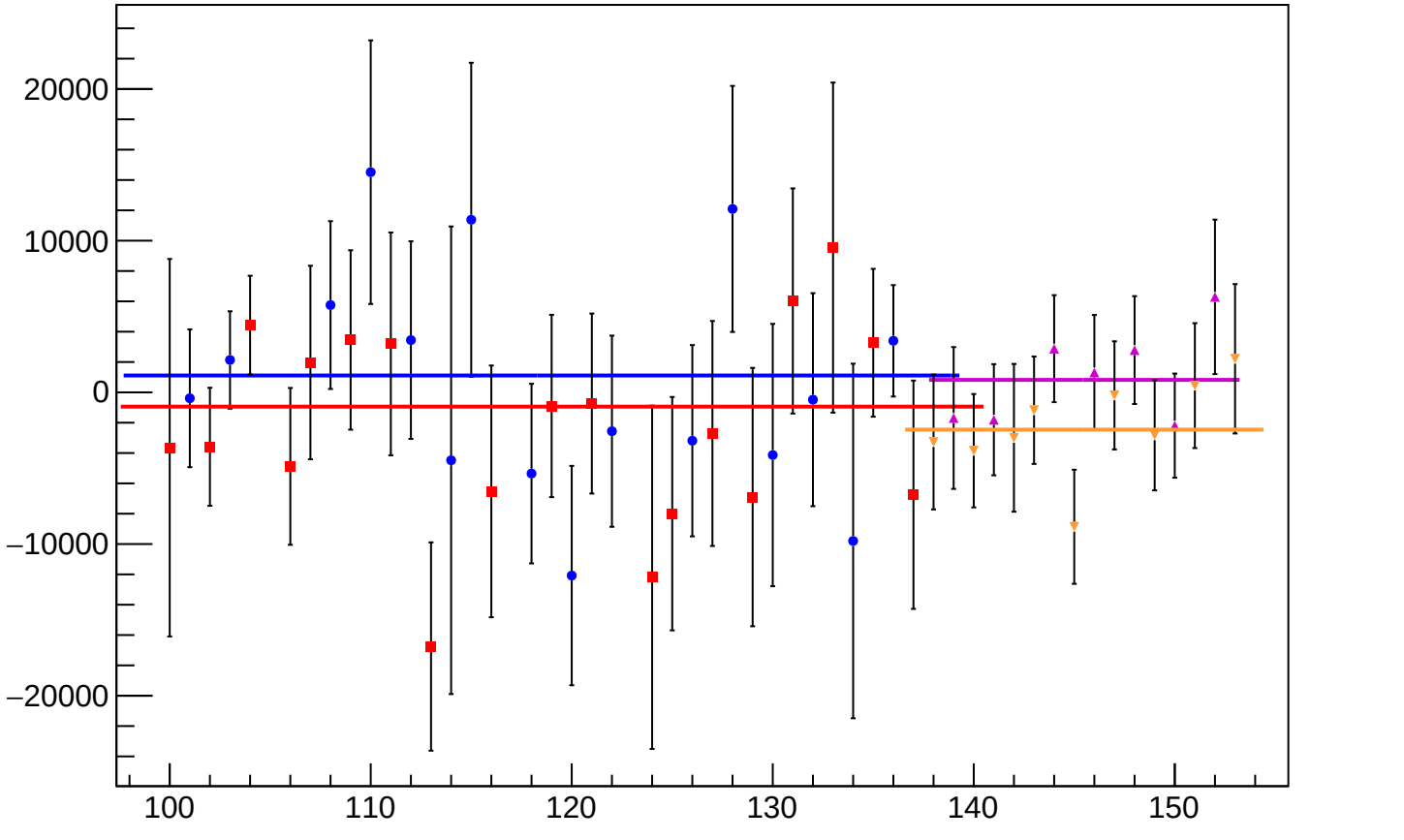
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1840.815+/-0.526 χ^2/NDF:10557.7/6

\+ sign 1874.454+/-0.355 χ^2/NDF: 717030.1/24

All: 1868.346+/-0.253 χ^2/NDF: 947841.5/50

\- sign 1862.042+/-0.361 χ^2/NDF: 230211.0/25



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2458.594+/-1325.082 χ^2/NDF:5.0/8

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

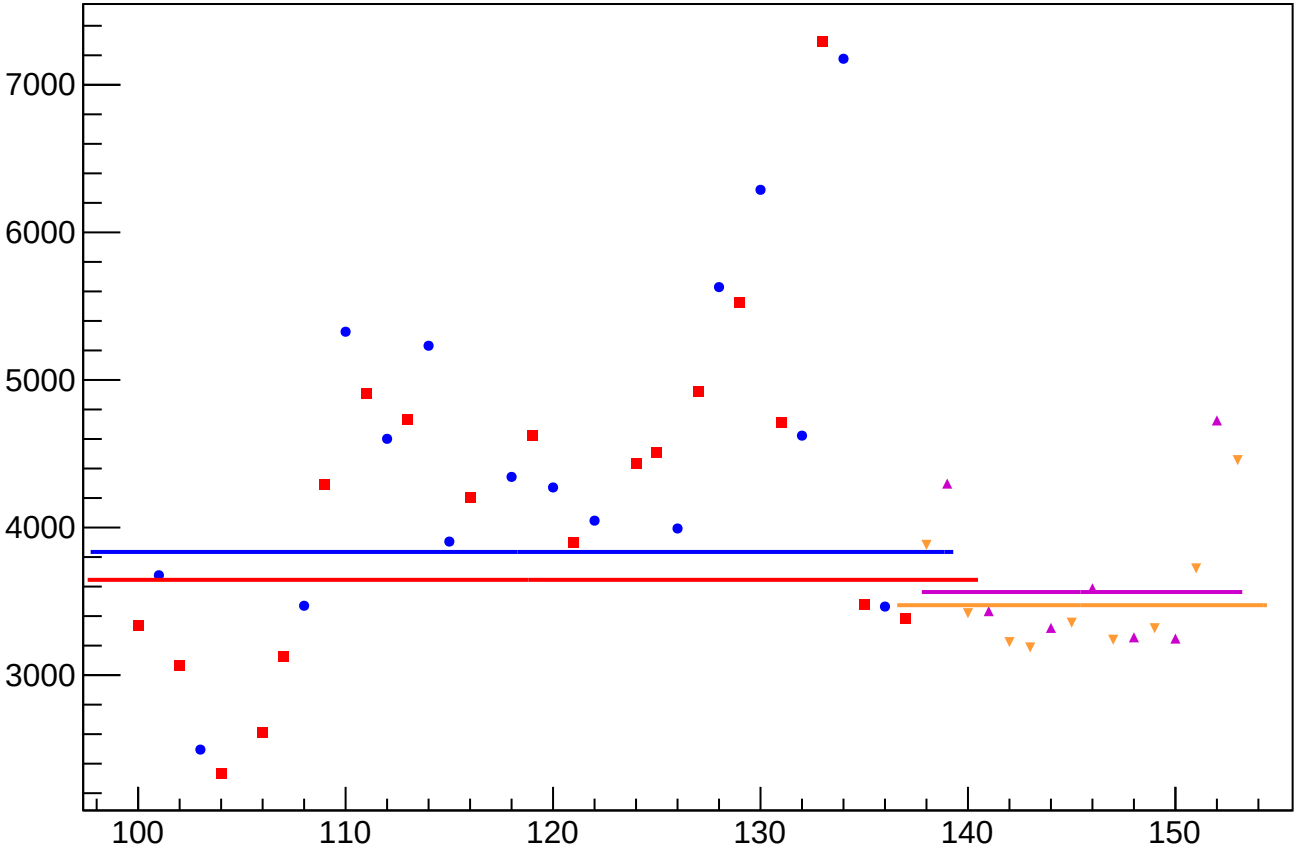
Left In: 821.934+/-1454.278 χ^2/NDF:3.4/6

\+ sign -869.430+/-987.050 χ^2/NDF: 21.6/24

All: -489.709+/-705.314 χ^2/NDF: 42.3/50

\- sign -93.529+/-1008.215 χ^2/NDF: 20.3/25

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3473.857+/-0.937 χ^2/NDF:137029.0/8

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

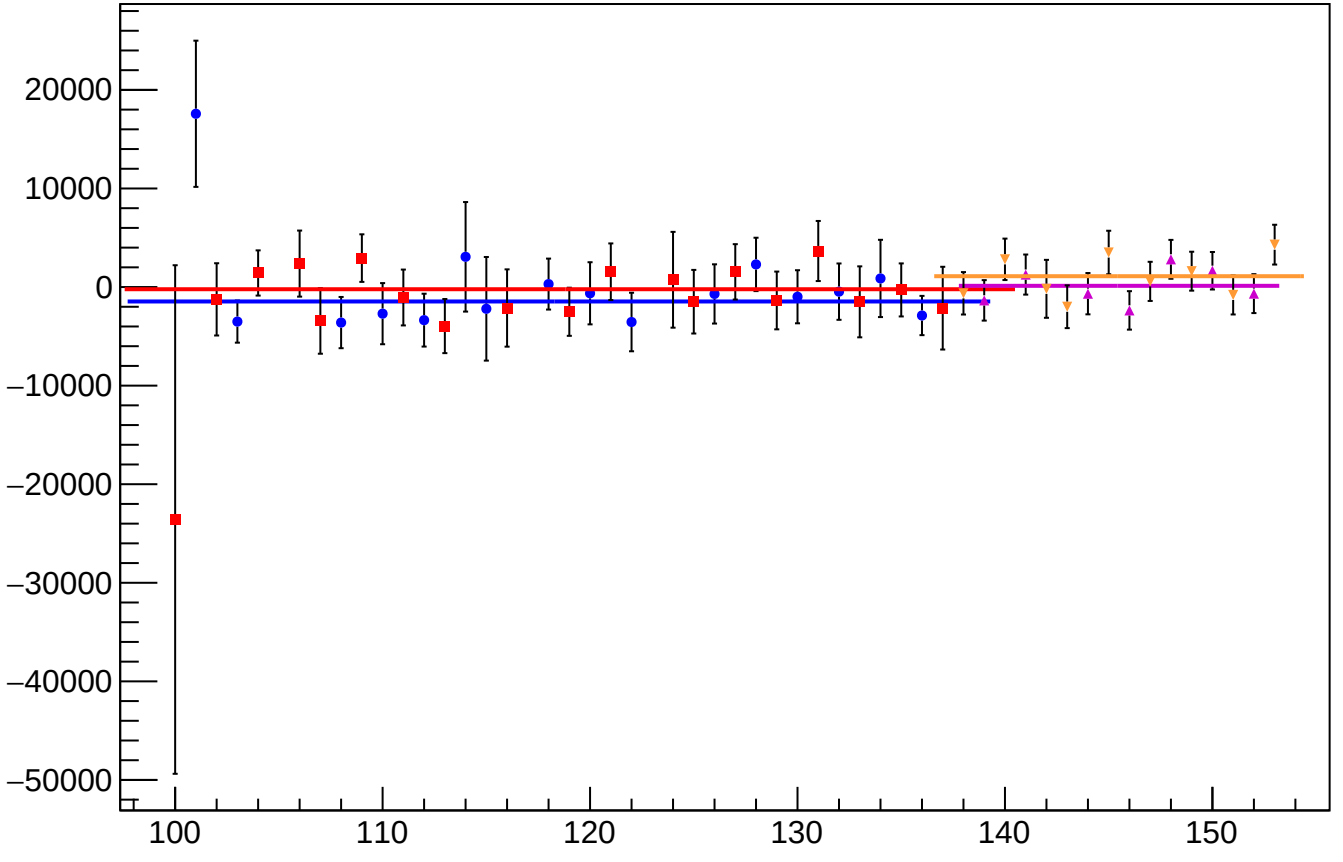
Left In: 3563.078+/-1.028 χ^2/NDF:197609.4/6

+ sign 3634.474+/-0.698 χ^2/NDF: 1159356.2/24

All: 3620.531+/-0.499 χ^2/NDF: 2486114.3/50

- sign 3605.983+/-0.713 χ^2/NDF: 1325942.7/25

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1100.505+/-709.640 χ^2/NDF:8.3/8

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

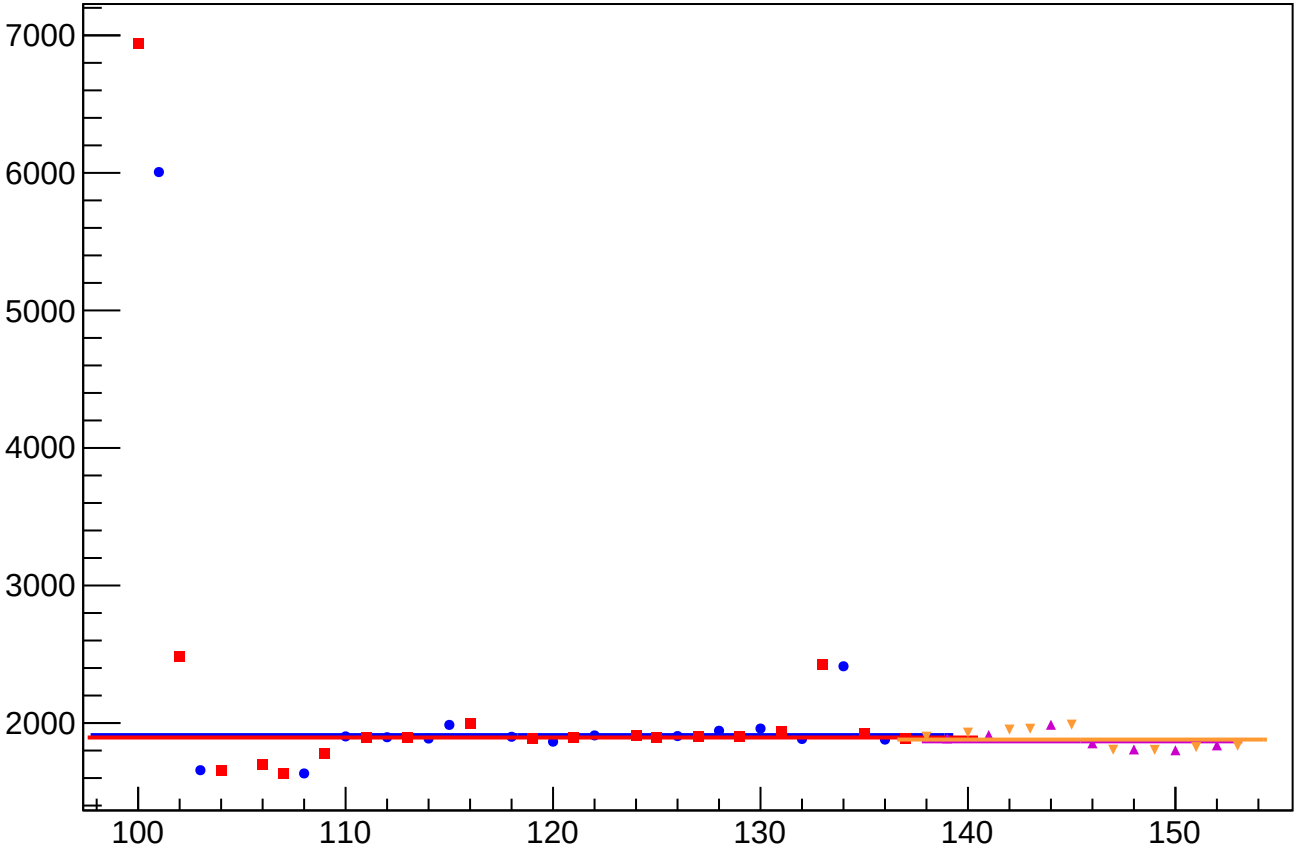
Left In: 125.093+/-753.813 χ^2/NDF:5.3/6

+ sign -147.857+/-508.251 χ^2/NDF: 28.2/24

All: -103.596+/-362.234 χ^2/NDF: 44.4/50

- sign -57.906+/-516.398 χ^2/NDF: 16.2/25

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1879.941+/-0.502 χ^2/NDF:18194.1/8

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

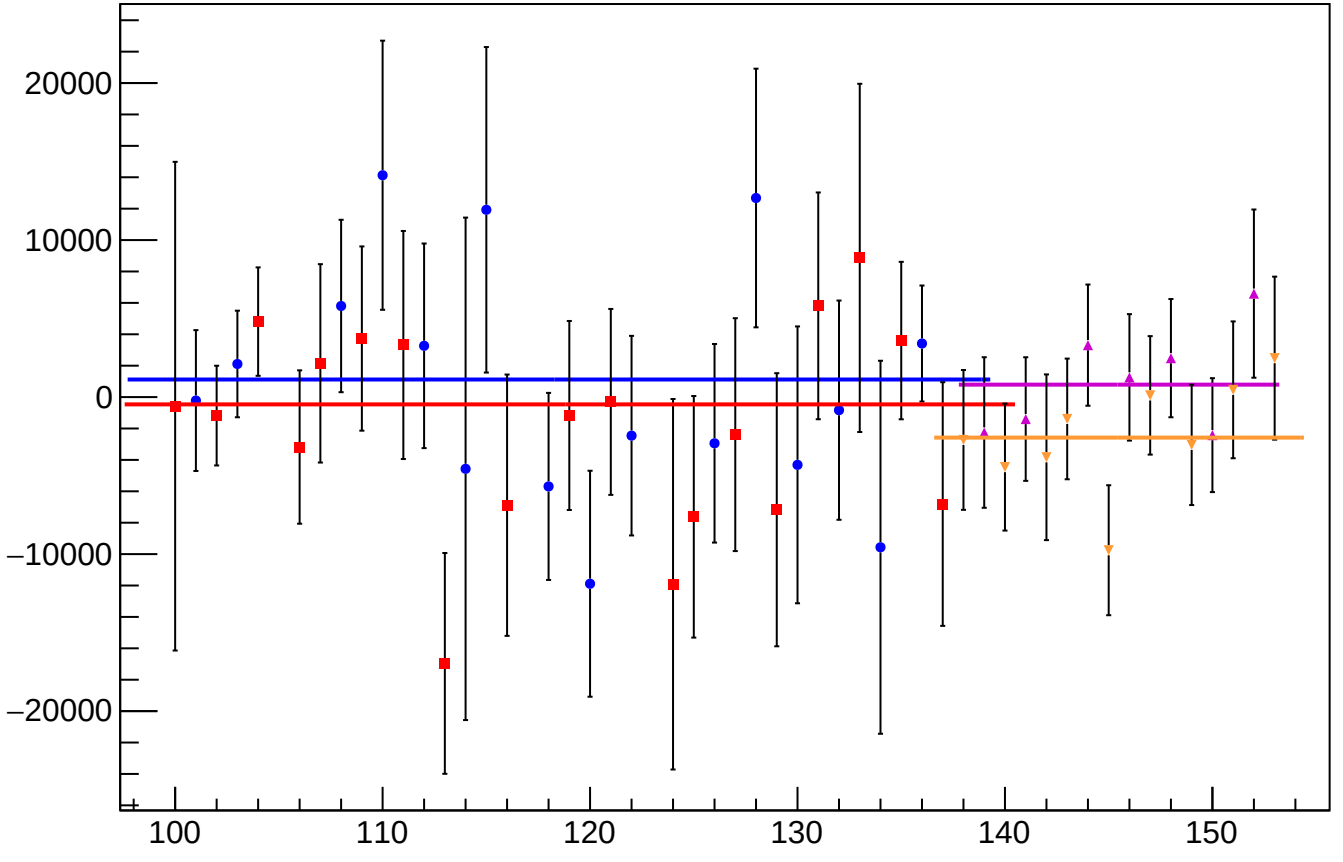
Left In: 1866.824+/-0.533 χ^2/NDF:12519.8/6

+ sign 1895.740+/-0.359 χ^2/NDF: 716449.5/24

All: 1888.811+/-0.256 χ^2/NDF: 950965.4/50

- sign 1881.667+/-0.365 χ^2/NDF: 233761.0/25

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2580.577+/-1411.682 χ^2/NDF:5.3/8

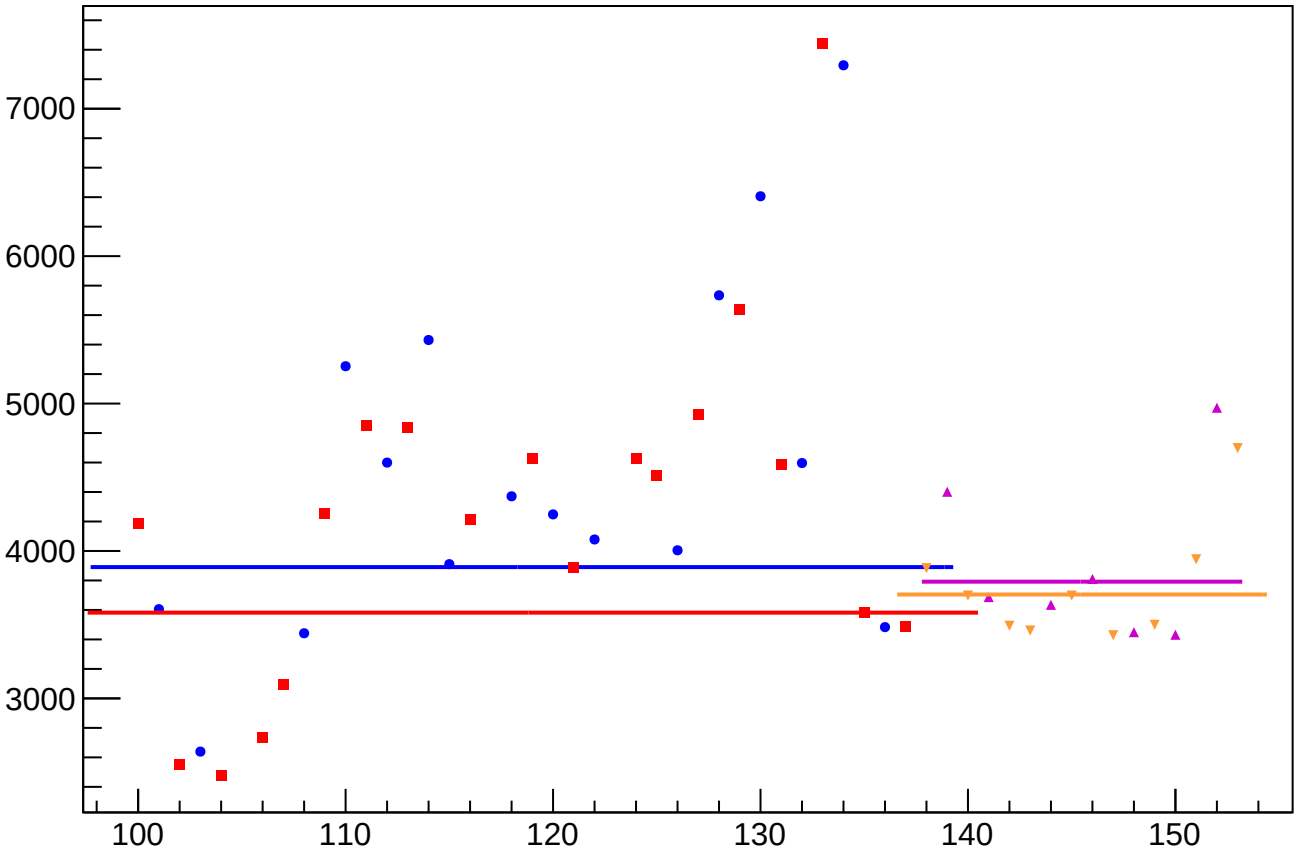
Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 792.966+/-1546.112 χ^2/NDF:3.3/6

+ sign -839.486+/-1027.264 χ^2/NDF: 22.0/24

All: -374.537+/-725.837 χ^2/NDF: 41.1/50

- sign 89.011+/-1025.716 χ^2/NDF: 18.7/25



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3704.830+/-0.998 χ^2/NDF:110221.1/8

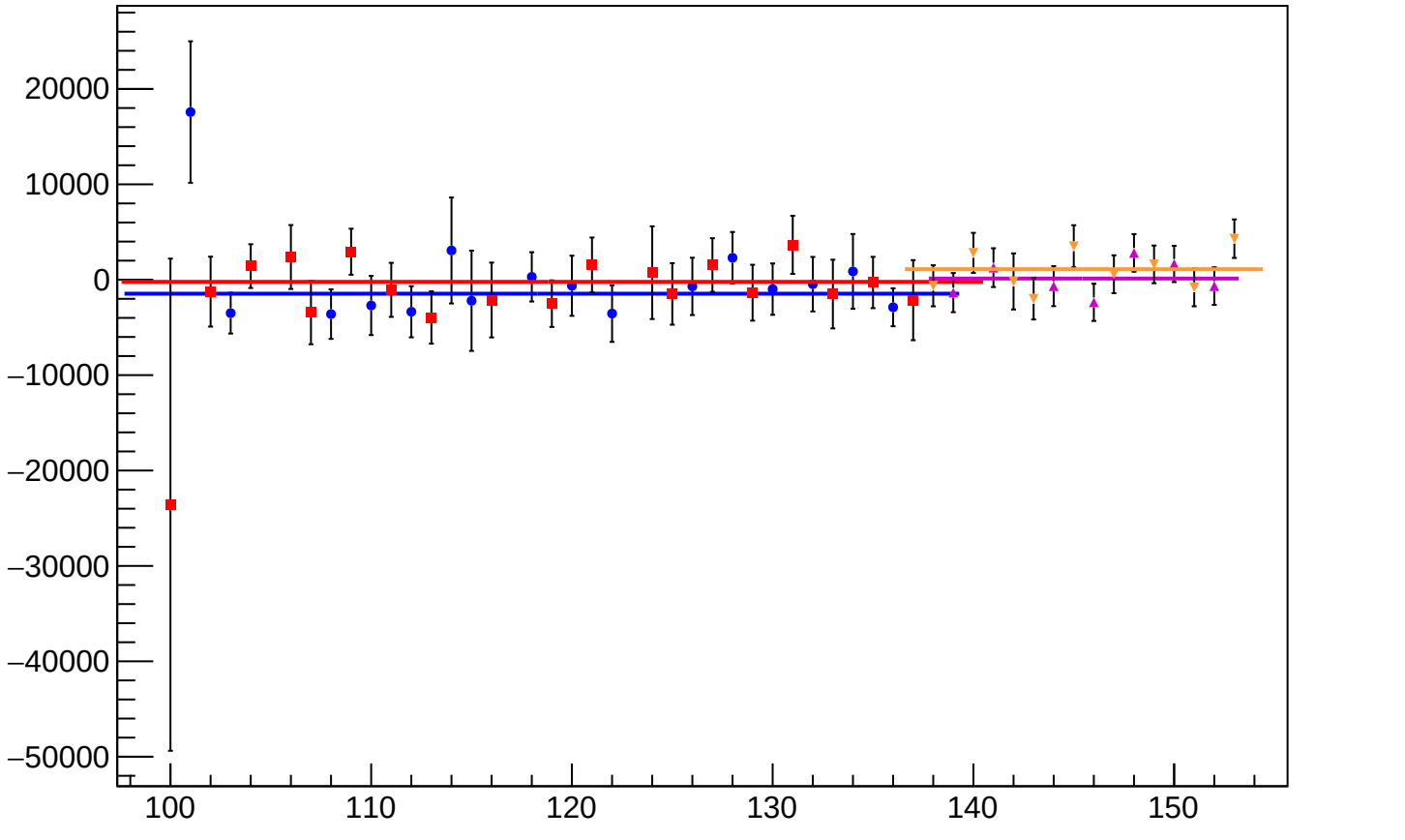
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3791.831+/-1.093 χ^2/NDF:170429.7/6

+ sign 3792.280+/-0.726 χ^2/NDF: 1004952.6/24

All: 3733.165+/-0.513 χ^2/NDF: 2431131.5/50

- sign 3674.228+/-0.725 χ^2/NDF: 1412952.6/25



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1100.507+/-709.640 χ^2/NDF:8.3/8

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

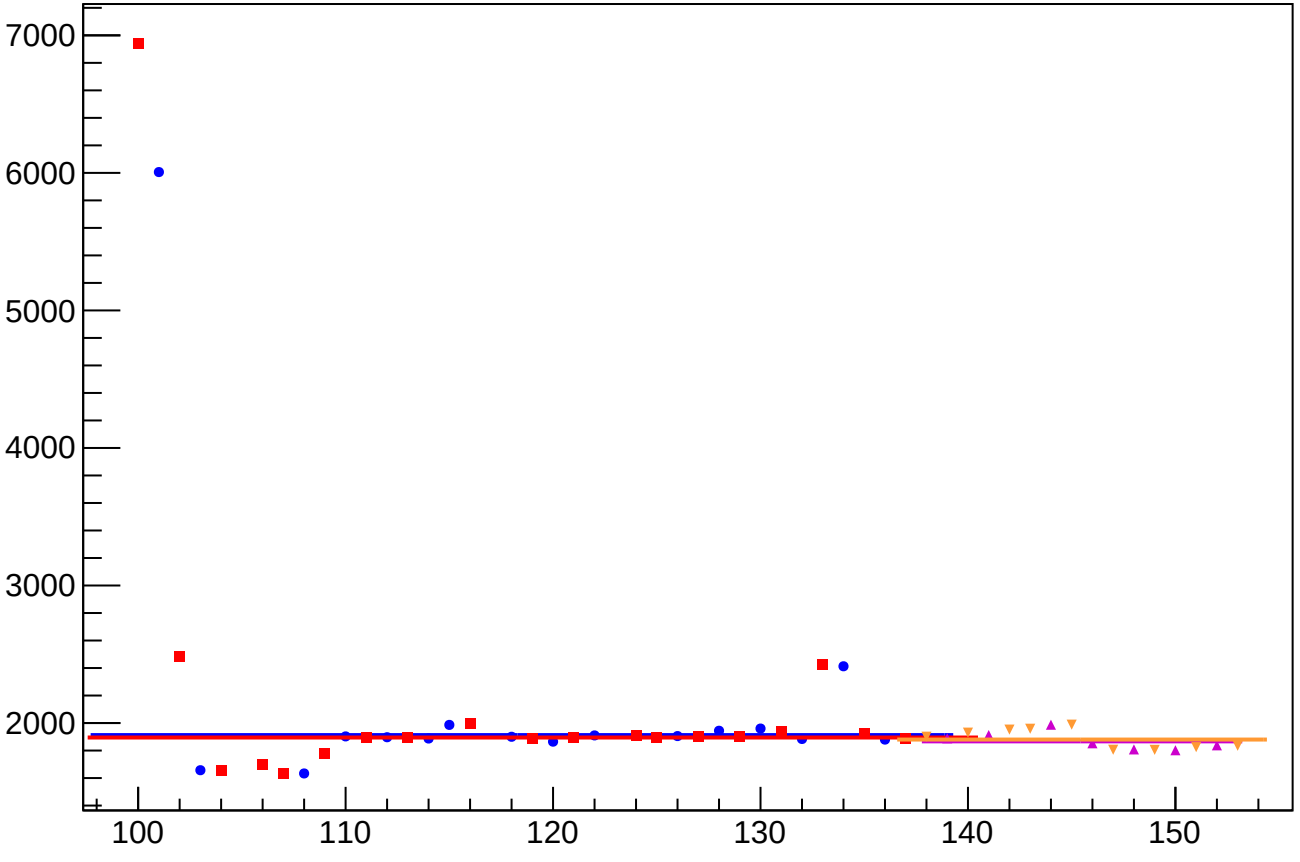
Left In: 125.089+/-753.813 χ^2/NDF:5.3/6

\+ sign -147.859+/-508.251 χ^2/NDF: 28.2/24

All: -103.597+/-362.234 χ^2/NDF: 44.4/50

\- sign -57.905+/-516.398 χ^2/NDF: 16.2/25

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1879.942+/-0.502 χ^2/NDF:18194.2/8

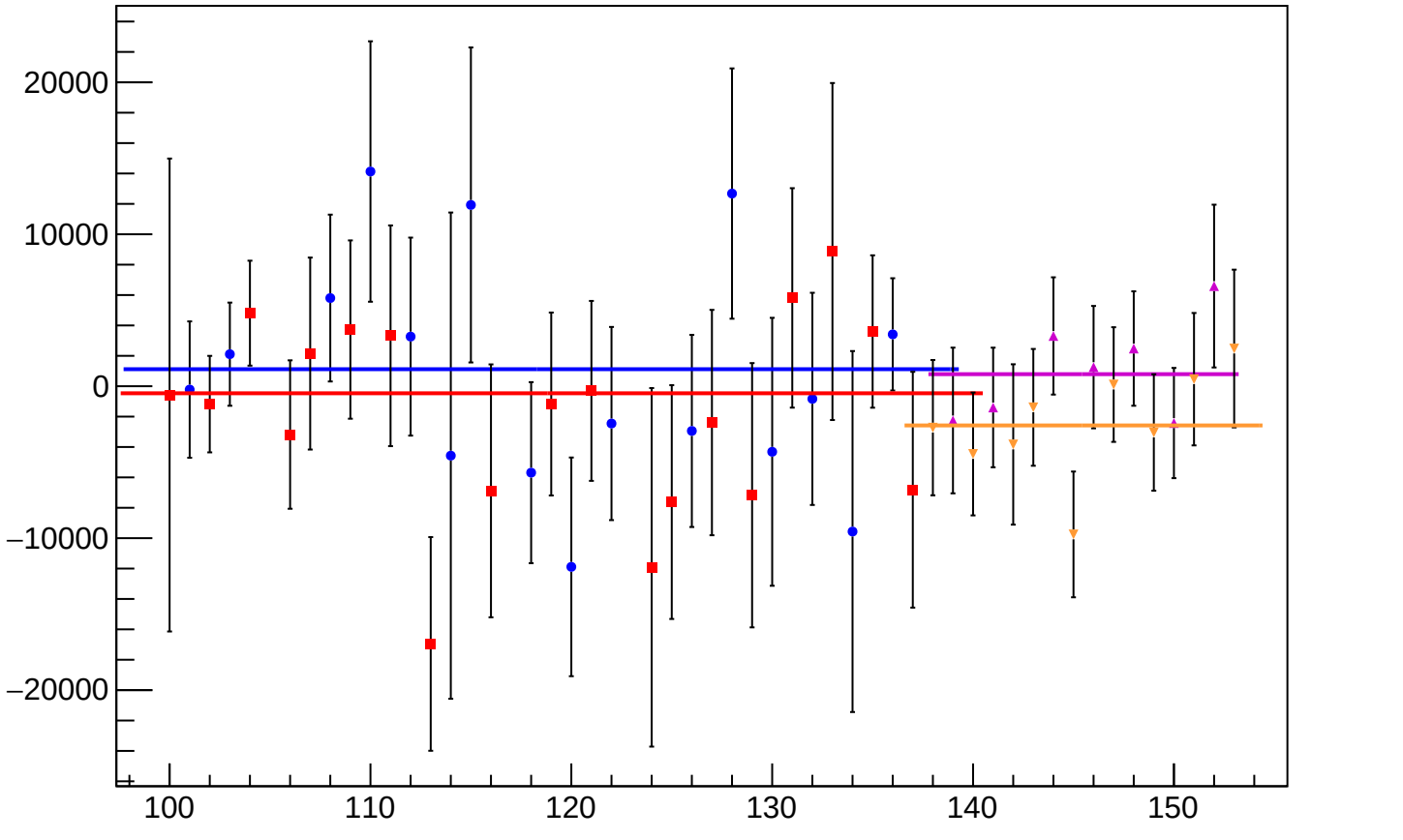
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1866.824+/-0.533 χ^2/NDF:12519.7/6

+ sign 1895.740+/-0.359 χ^2/NDF: 716449.4/24

All: 1888.812+/-0.256 χ^2/NDF: 950965.2/50

- sign 1881.668+/-0.365 χ^2/NDF: 233760.9/25



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -2580.577+/-1411.684 χ^2/NDF:5.3/8

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

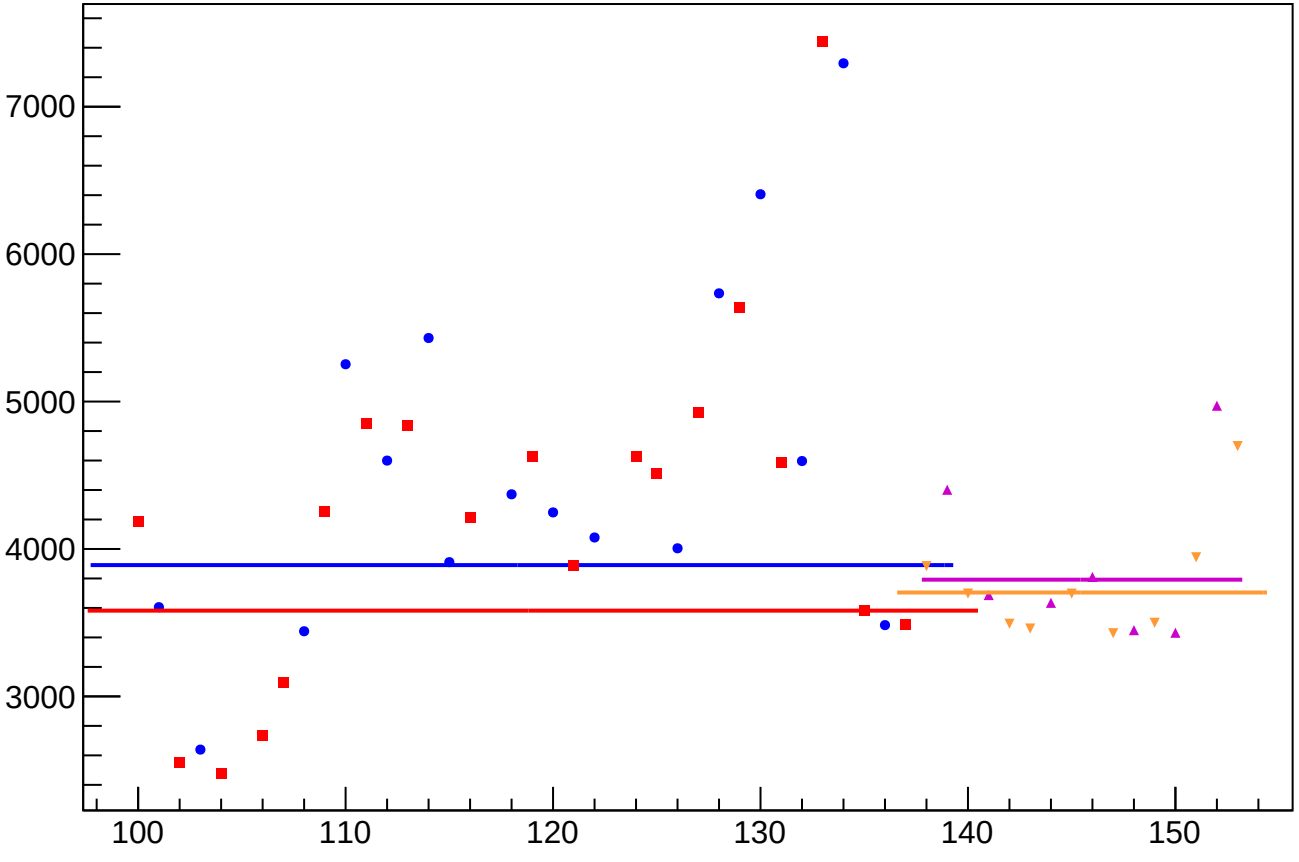
Left In: 792.963+/-1546.114 χ^2/NDF:3.3/6

+ sign -839.488+/-1027.264 χ^2/NDF: 22.0/24

All: -374.539+/-725.837 χ^2/NDF: 41.1/50

- sign 89.009+/-1025.715 χ^2/NDF: 18.7/25

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3704.835+/-0.998 χ^2/NDF:110220.5/8

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

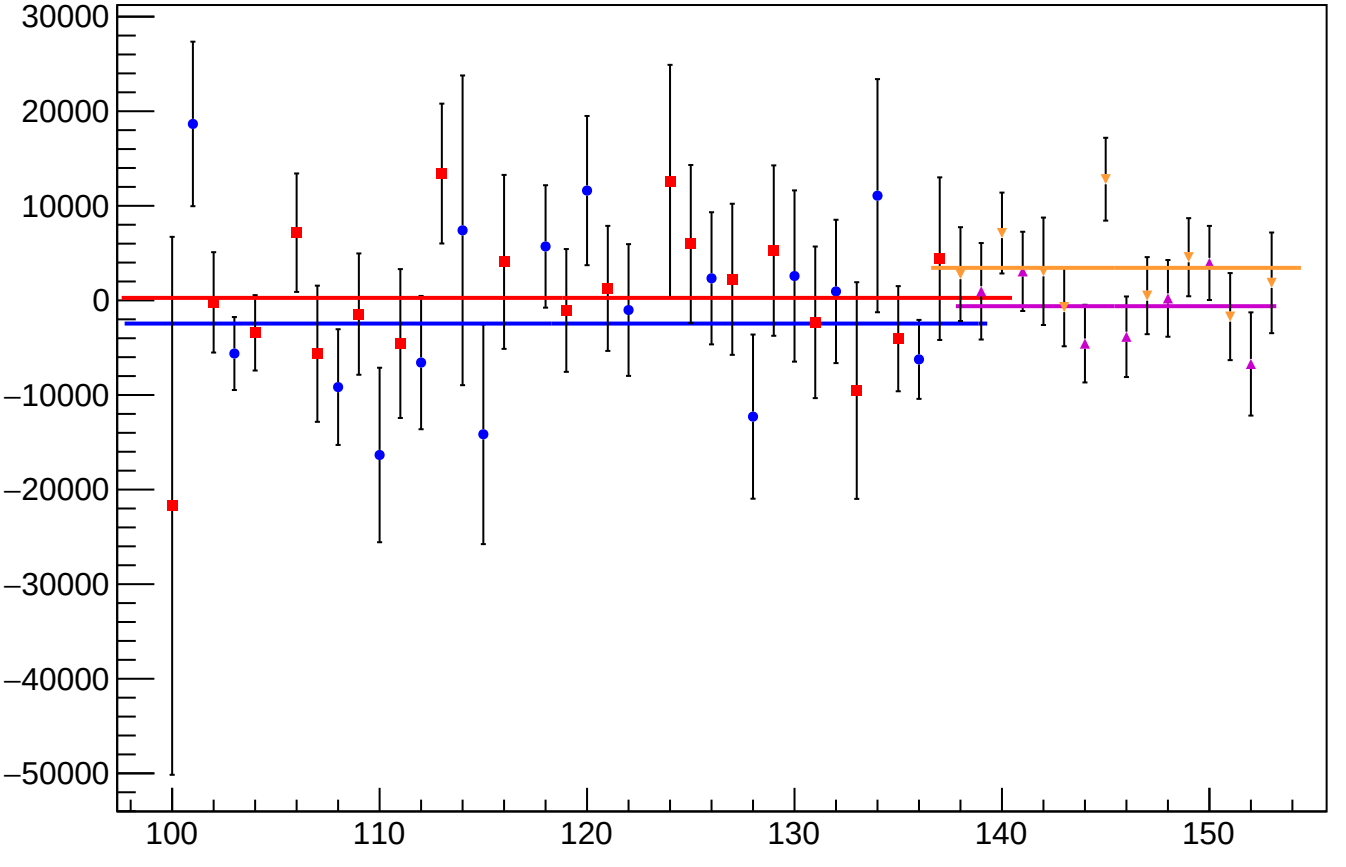
Left In: 3791.836+/-1.093 χ^2/NDF:170429.1/6

+ sign 3792.282+/-0.726 χ^2/NDF: 1004941.7/24

All: 3733.166+/-0.513 χ^2/NDF: 2431113.3/50

- sign 3674.228+/-0.725 χ^2/NDF: 1412944.9/25

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3442.094+/-1510.714 χ^2/NDF:8.3/8

Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

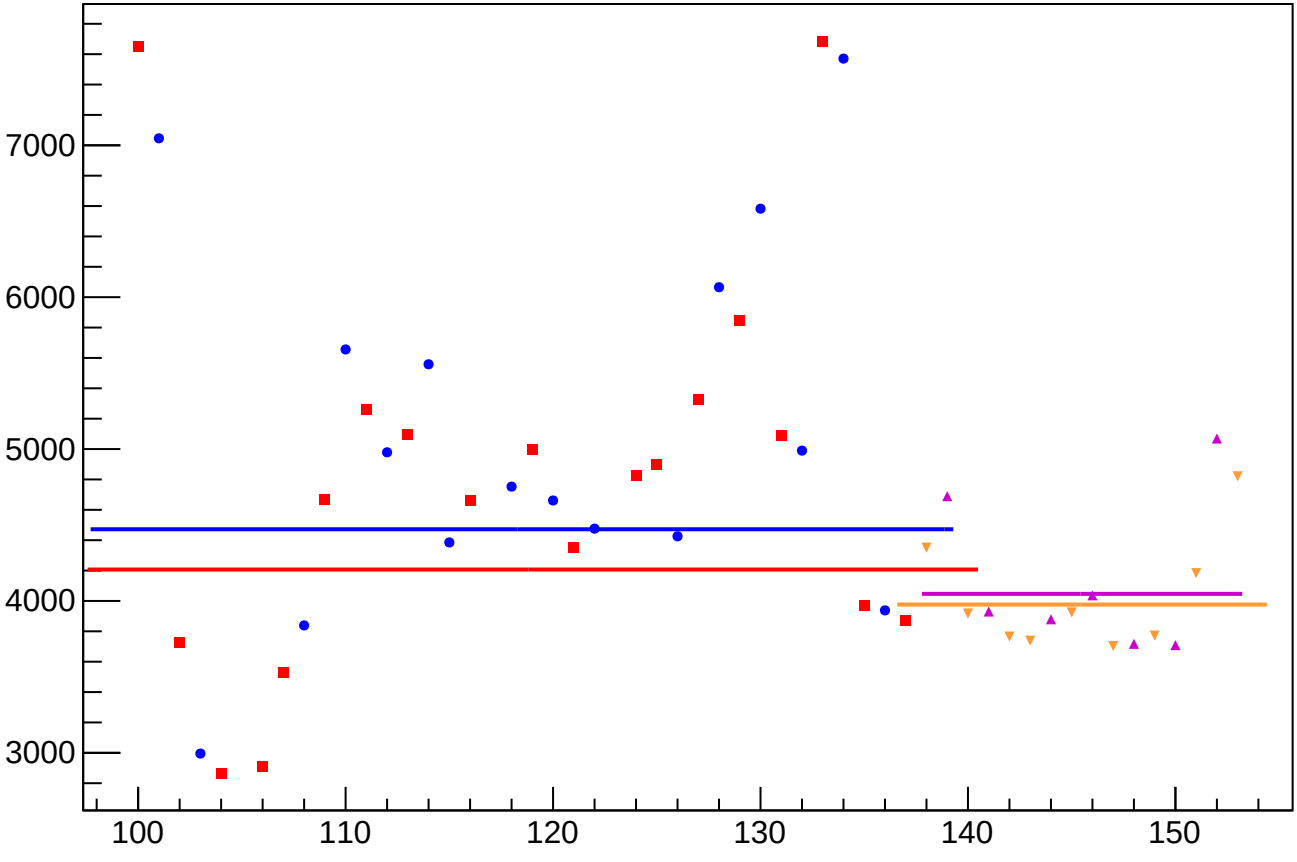
Left In: -610.855+/-1645.336 χ^2/NDF:5.0/6

+ sign 876.384+/-1134.969 χ^2/NDF: 35.8/24

All: 364.257+/-809.636 χ^2/NDF: 52.1/50

- sign -166.378+/-1155.297 χ^2/NDF: 15.9/25

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3976.354+/-1.068 χ^2/NDF:89755.1/8

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

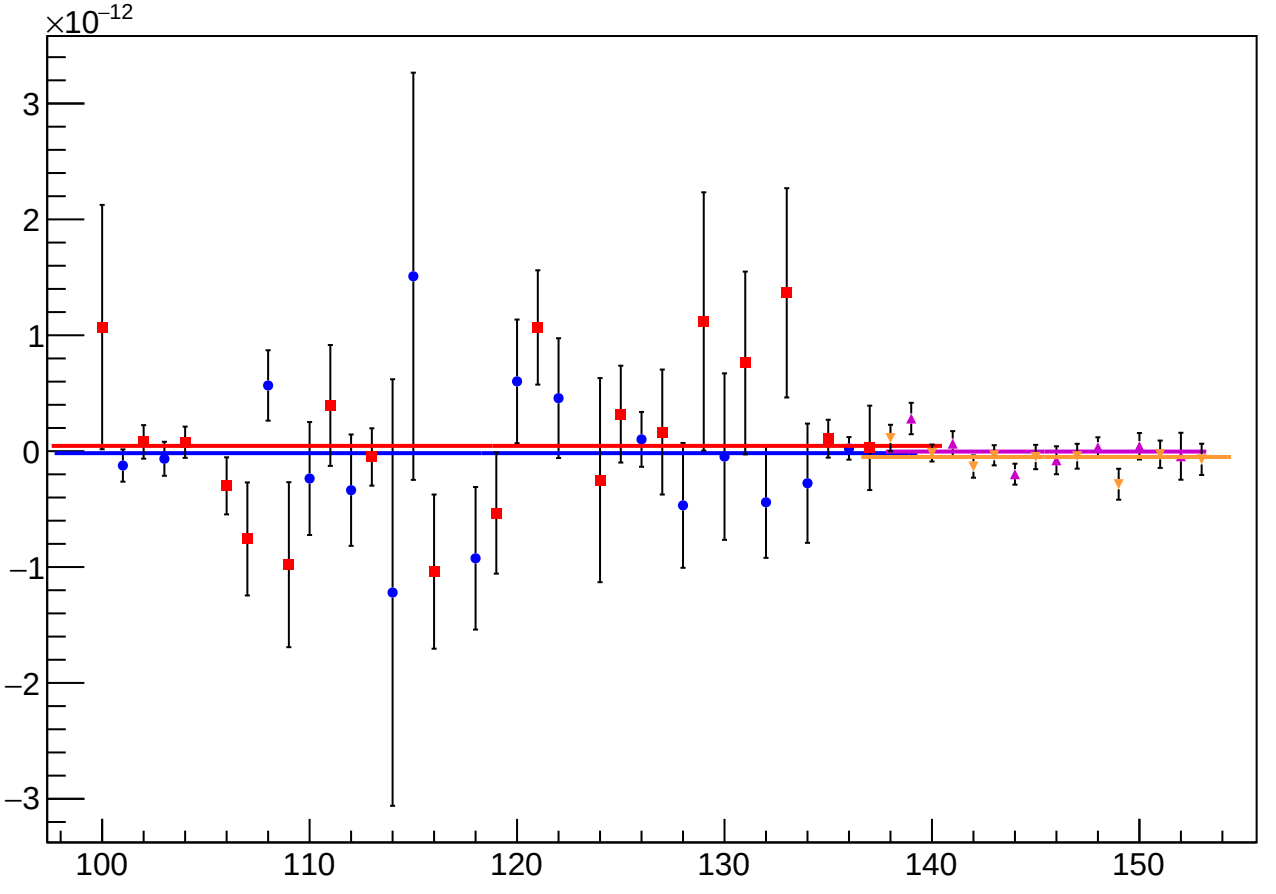
Left In: 4046.656+/-1.163 χ^2/NDF:134880.3/6

+ sign 4192.205+/-0.803 χ^2/NDF: 1075169.6/24

All: 4160.812+/-0.571 χ^2/NDF: 2069373.6/50

- sign 4128.554+/-0.814 χ^2/NDF: 991101.5/25

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/8

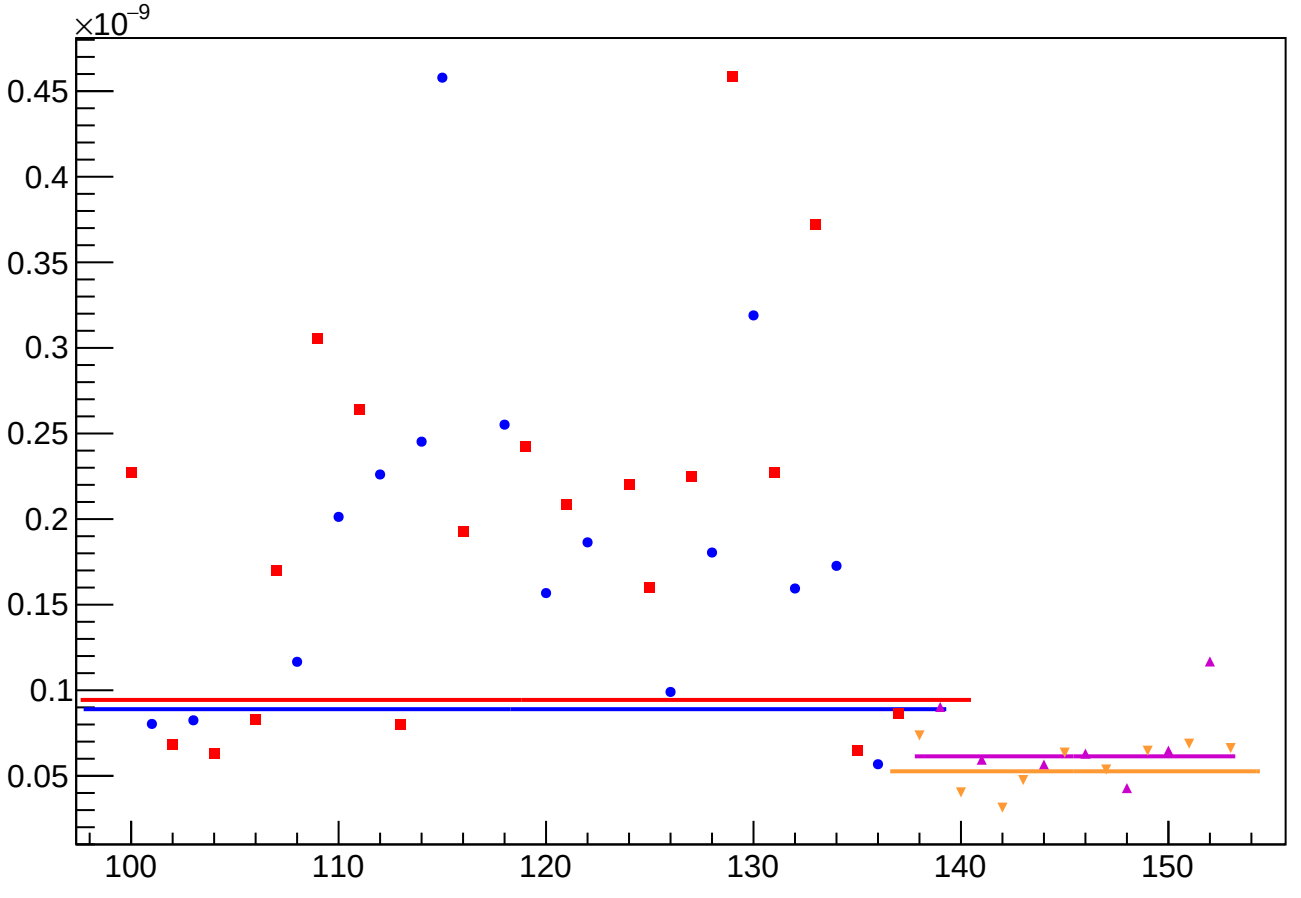
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/24

All: -0.000+/-0.000 χ^2/NDF: 52.3/50

- sign 0.000+/-0.000 χ^2/NDF: 31.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:324041.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

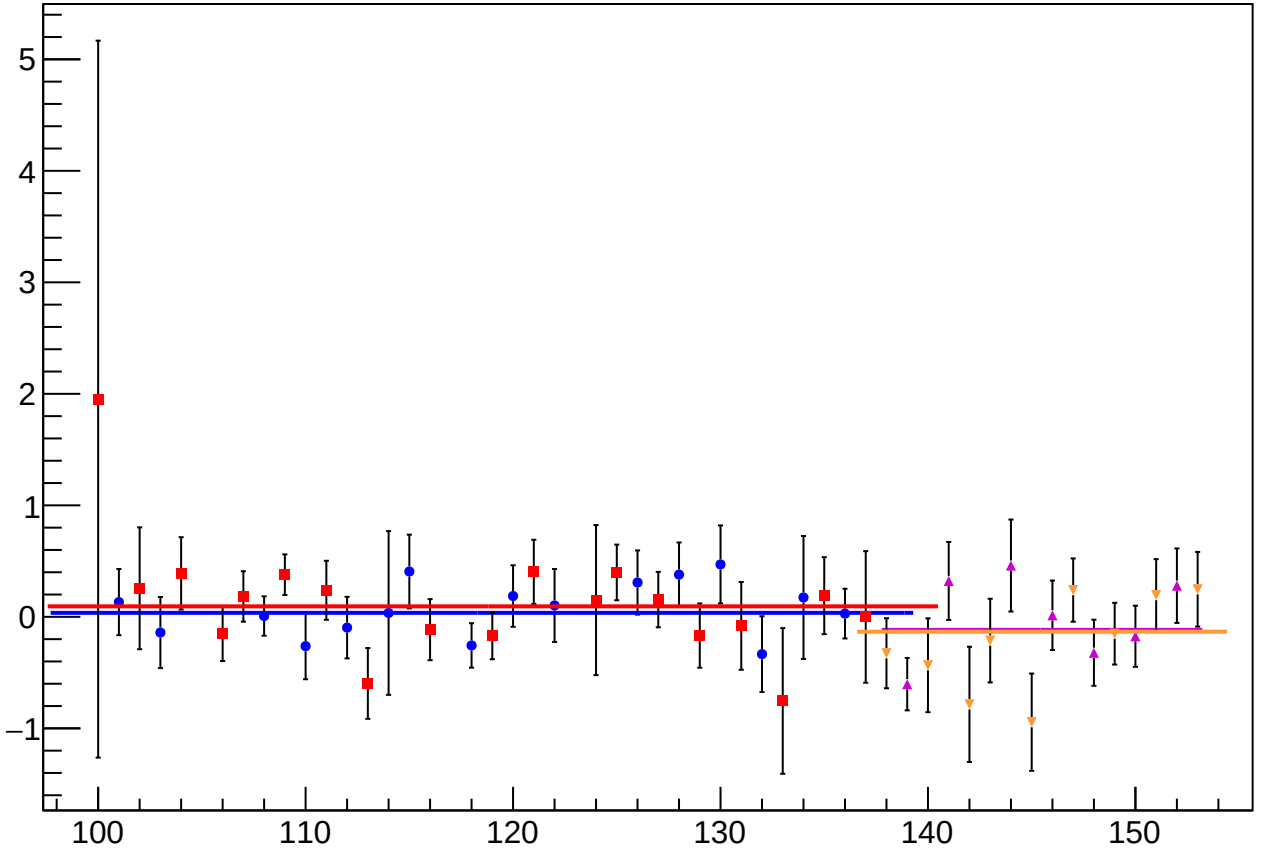
Left In: 0.000+/-0.000 χ^2/NDF:342681.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 2087886.8/24

All: 0.000+/-0.000 χ^2/NDF: 4545113.4/50

- sign 0.000+/-0.000 χ^2/NDF: 2377421.1/25

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.133+/-0.115 χ^2/NDF:10.0/8

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

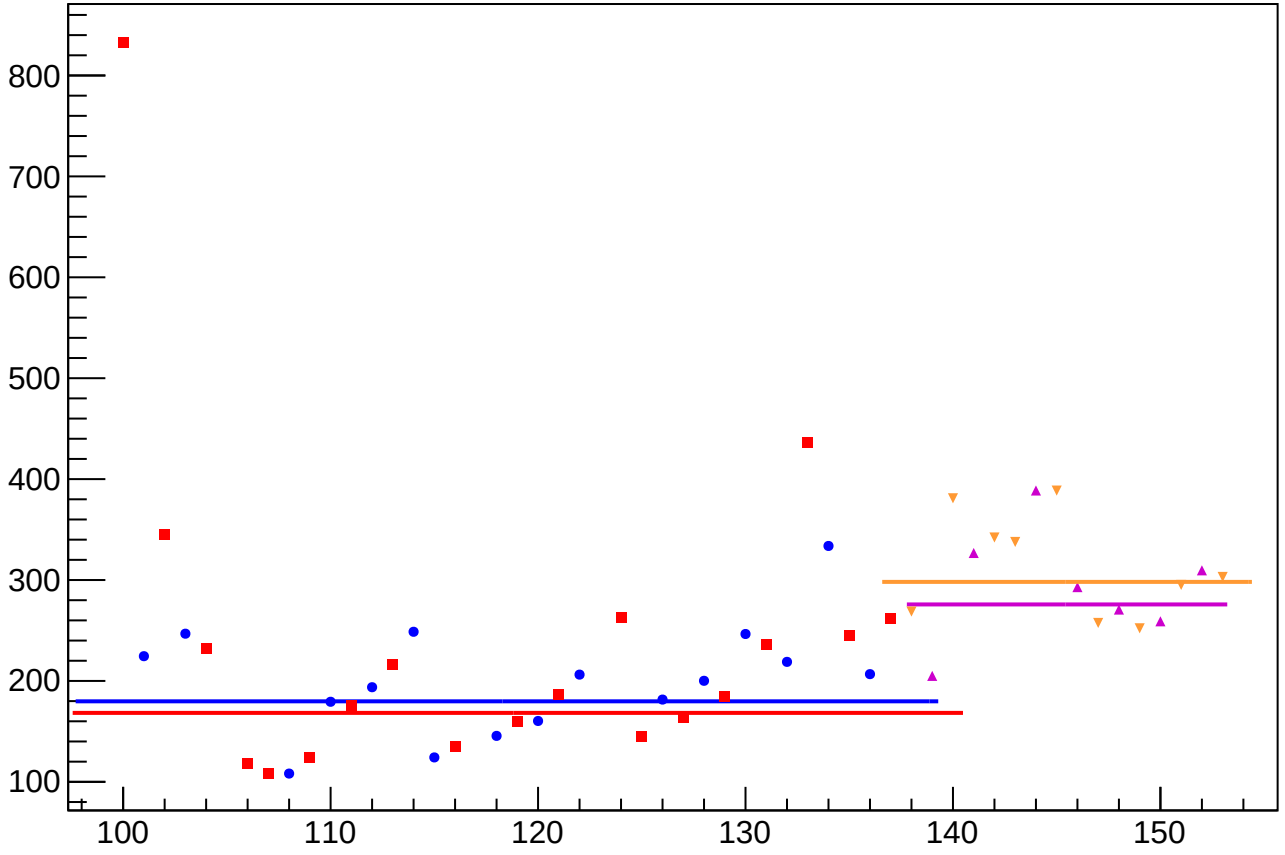
Left In: -0.117+/-0.115 χ^2/NDF:9.9/6

+ sign -0.010+/-0.060 χ^2/NDF: 22.1/24

All: 0.015+/-0.042 χ^2/NDF: 52.6/50

- sign 0.040+/-0.058 χ^2/NDF: 30.1/25

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 298.159+/-0.081 χ^2/NDF:314684.3/8

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

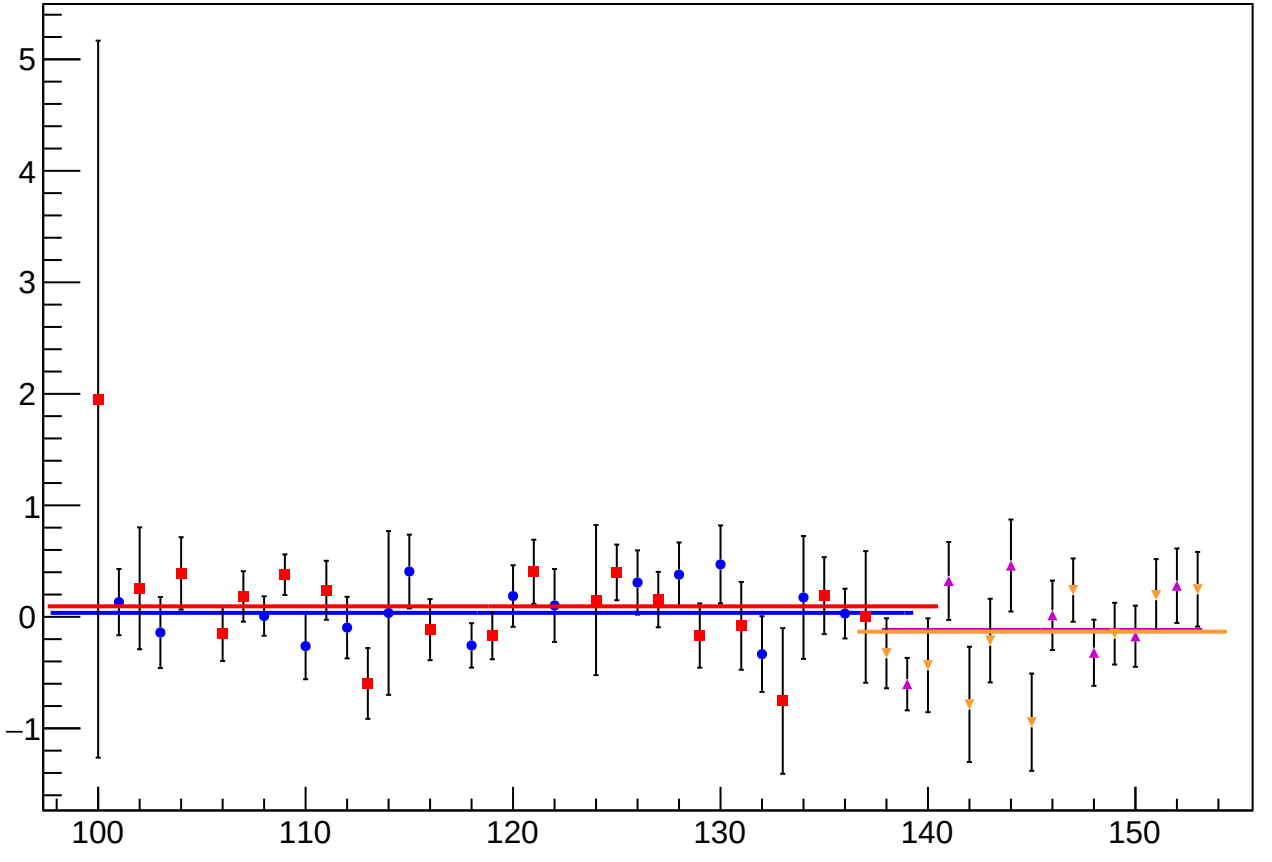
Left In: 275.814+/-0.081 χ^2/NDF:408466.5/6

+ sign 212.255+/-0.043 χ^2/NDF: 2775731.2/24

All: 203.913+/-0.030 χ^2/NDF: 5972101.3/50

- sign 196.083+/-0.041 χ^2/NDF: 3121736.8/25

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.133+/-0.115 χ^2/NDF:10.0/8

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

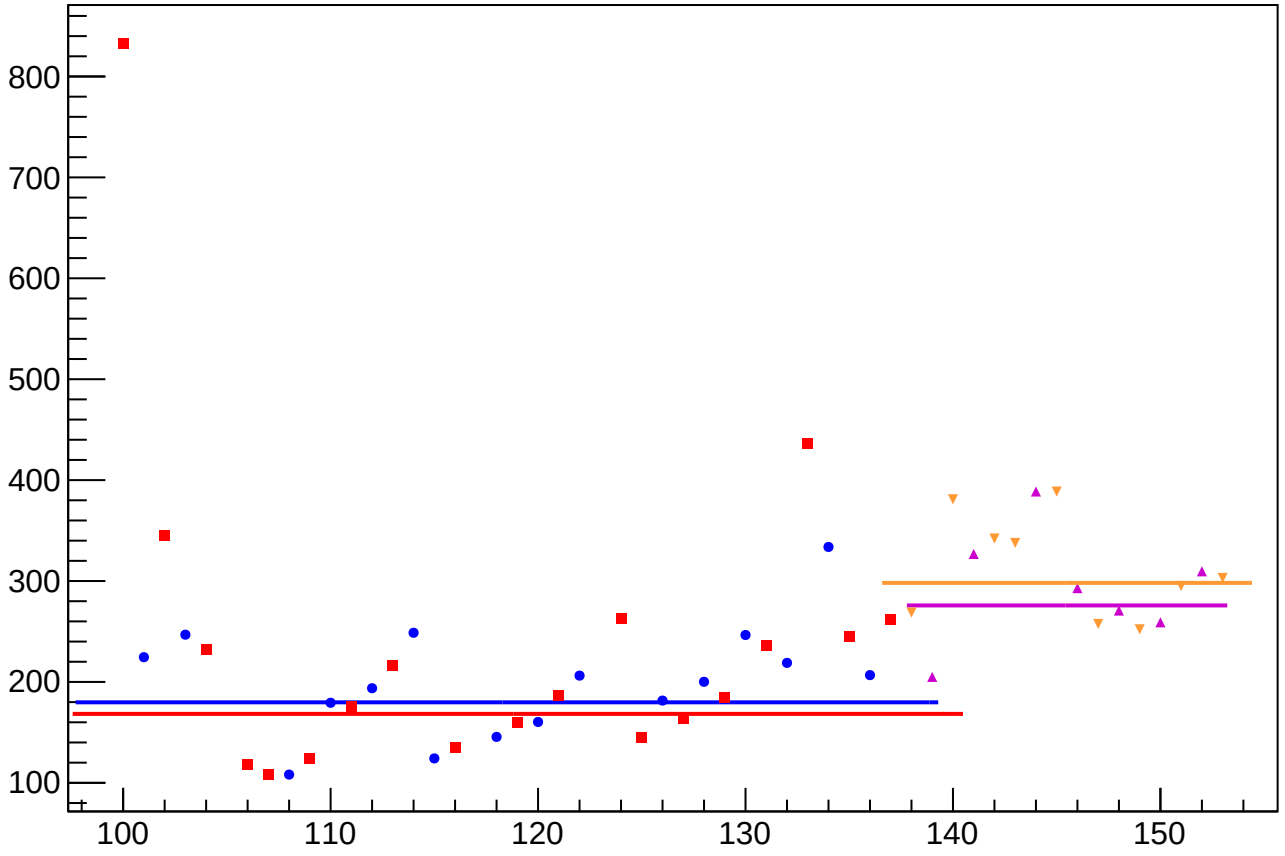
Left In: -0.117+/-0.115 χ^2/NDF:9.9/6

+ sign -0.010+/-0.060 χ^2/NDF: 22.1/24

All: 0.015+/-0.042 χ^2/NDF: 52.6/50

- sign 0.040+/-0.058 χ^2/NDF: 30.1/25

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 298.159+/-0.081 χ^2/NDF:314684.3/8

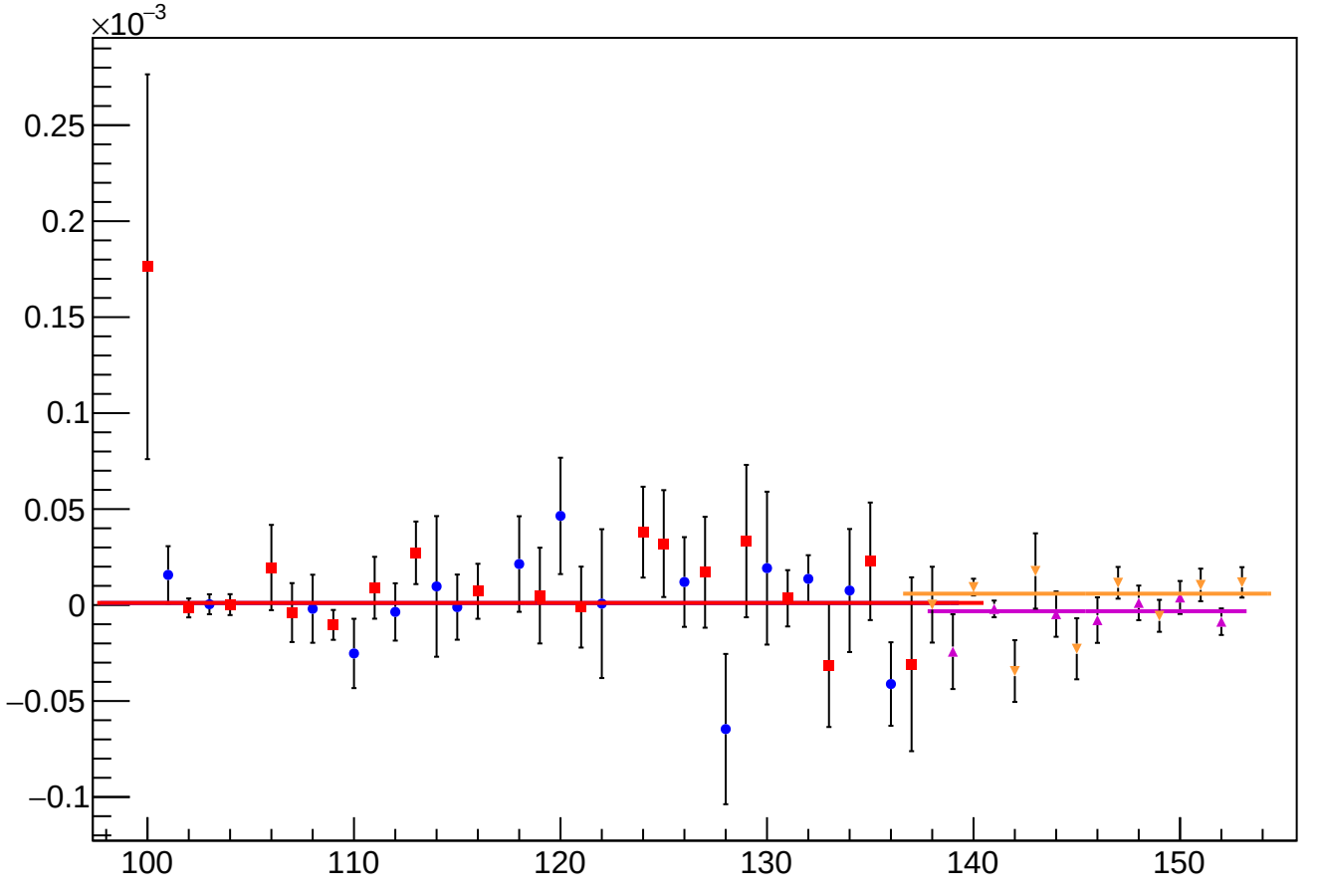
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 275.814+/-0.081 χ^2/NDF:408466.5/6

+ sign 212.255+/-0.043 χ^2/NDF: 2775731.2/24

All: 203.913+/-0.030 χ^2/NDF: 5972101.3/50

- sign 196.083+/-0.041 χ^2/NDF: 3121736.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

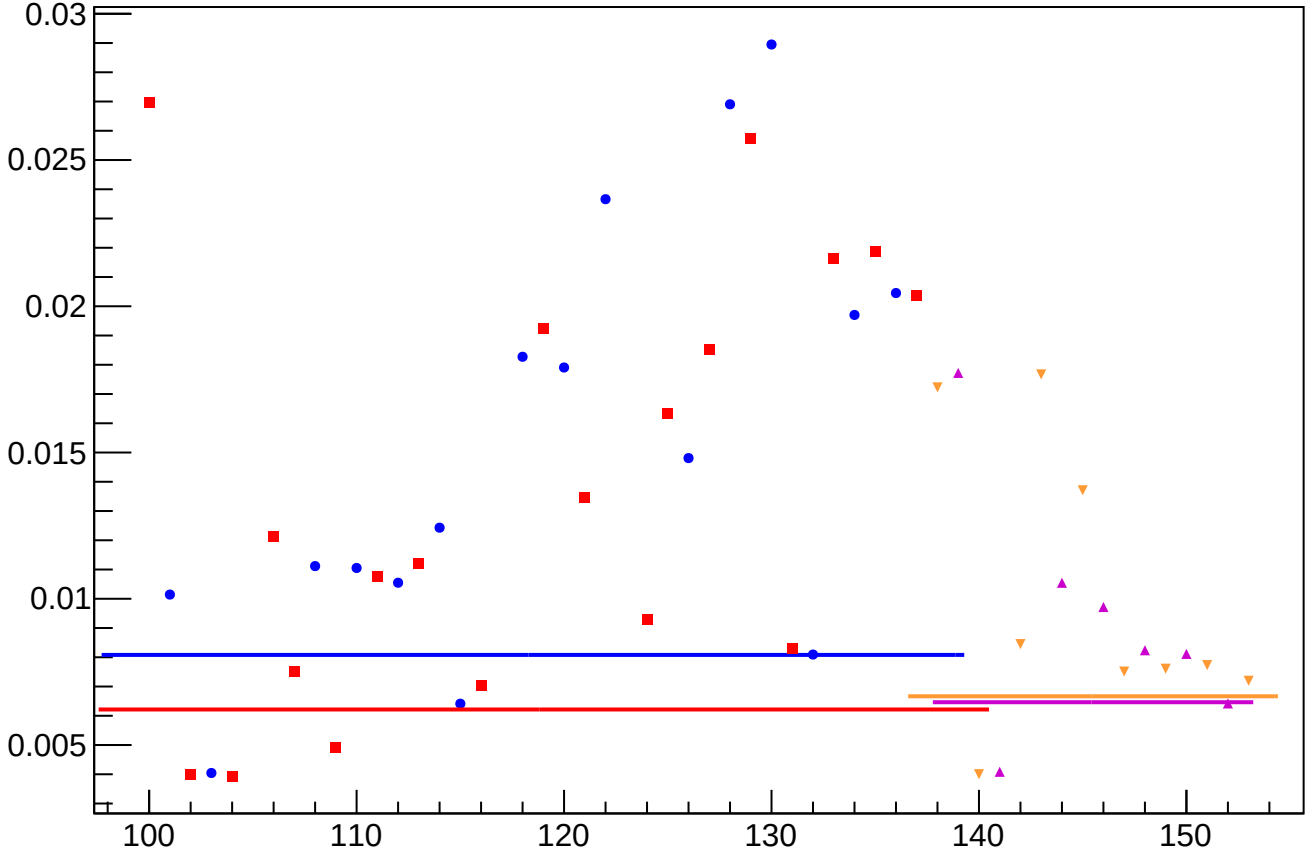
Left In: -0.000+/-0.000 χ^2/NDF:3.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/24

All: 0.000+/-0.000 χ^2/NDF: 52.1/50

- sign -0.000+/-0.000 χ^2/NDF: 20.1/25

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2448969.1/8

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

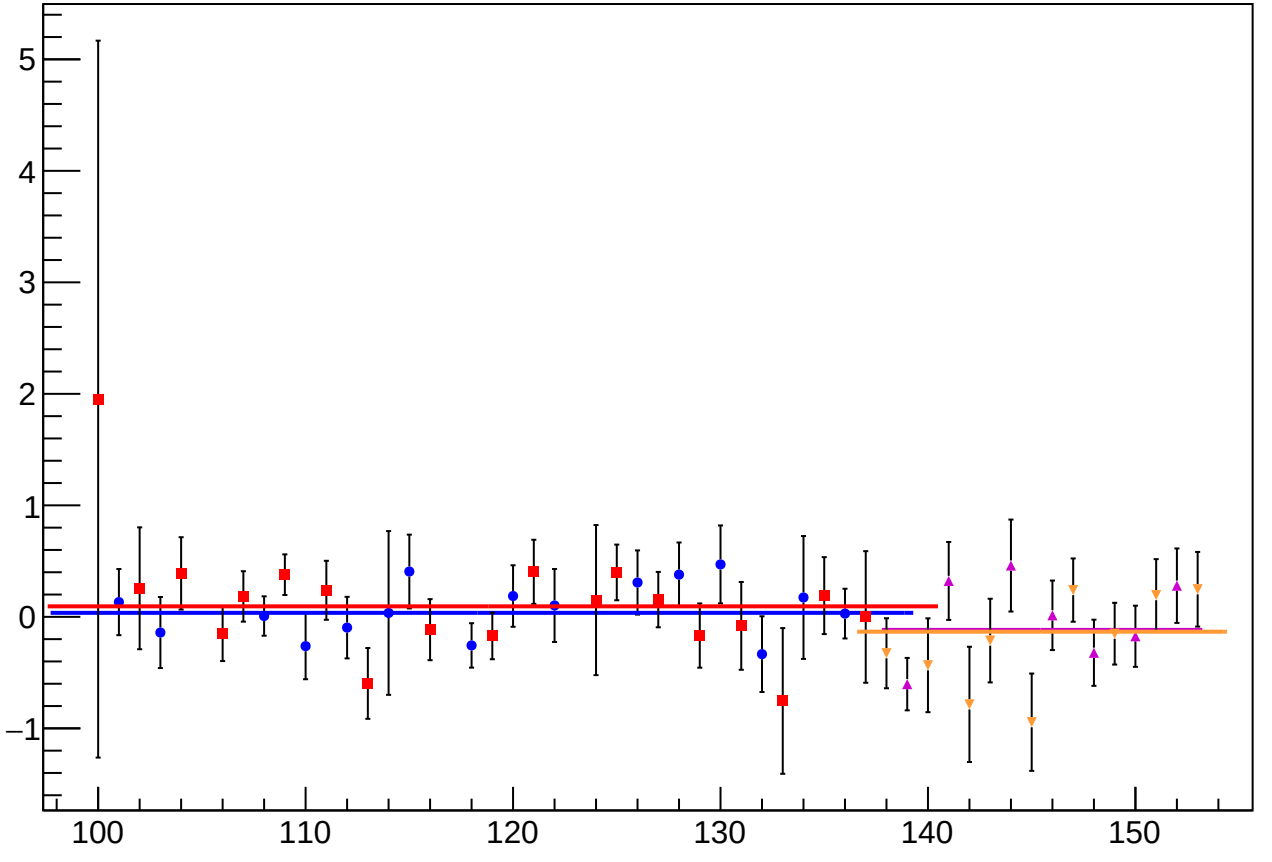
Left In: 0.006+/-0.000 χ^2/NDF:1807986.5/6

+ sign 0.007+/-0.000 χ^2/NDF: 7045713.4/24

All: 0.007+/-0.000 χ^2/NDF: 13580472.6/50

- sign 0.006+/-0.000 χ^2/NDF: 6376423.0/25

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.133+/-0.115 χ^2/NDF:10.0/8

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

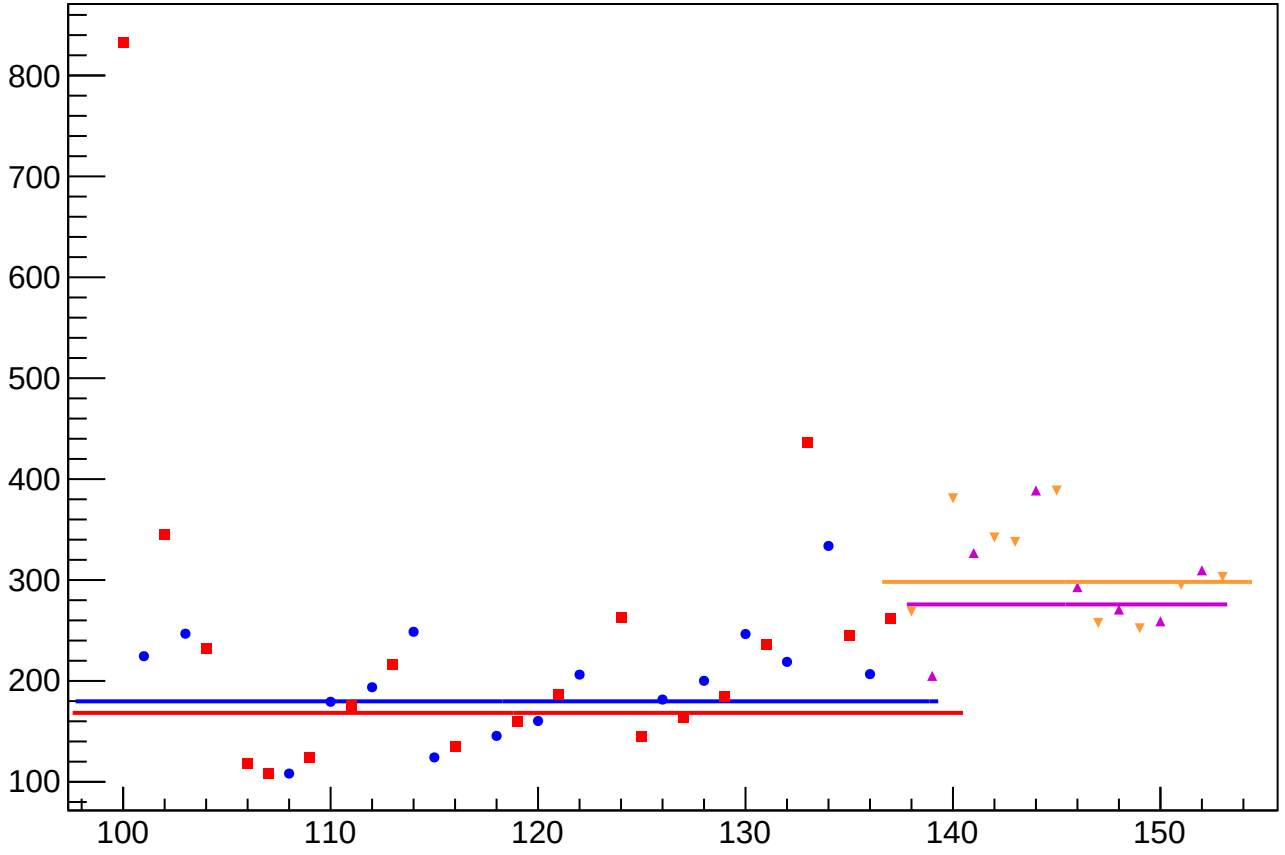
Left In: -0.117+/-0.115 χ^2/NDF:9.9/6

+ sign -0.010+/-0.060 χ^2/NDF: 22.1/24

All: 0.015+/-0.042 χ^2/NDF: 52.6/50

- sign 0.040+/-0.058 χ^2/NDF: 30.1/25

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 298.163+/-0.081 χ^2/NDF:314667.5/8

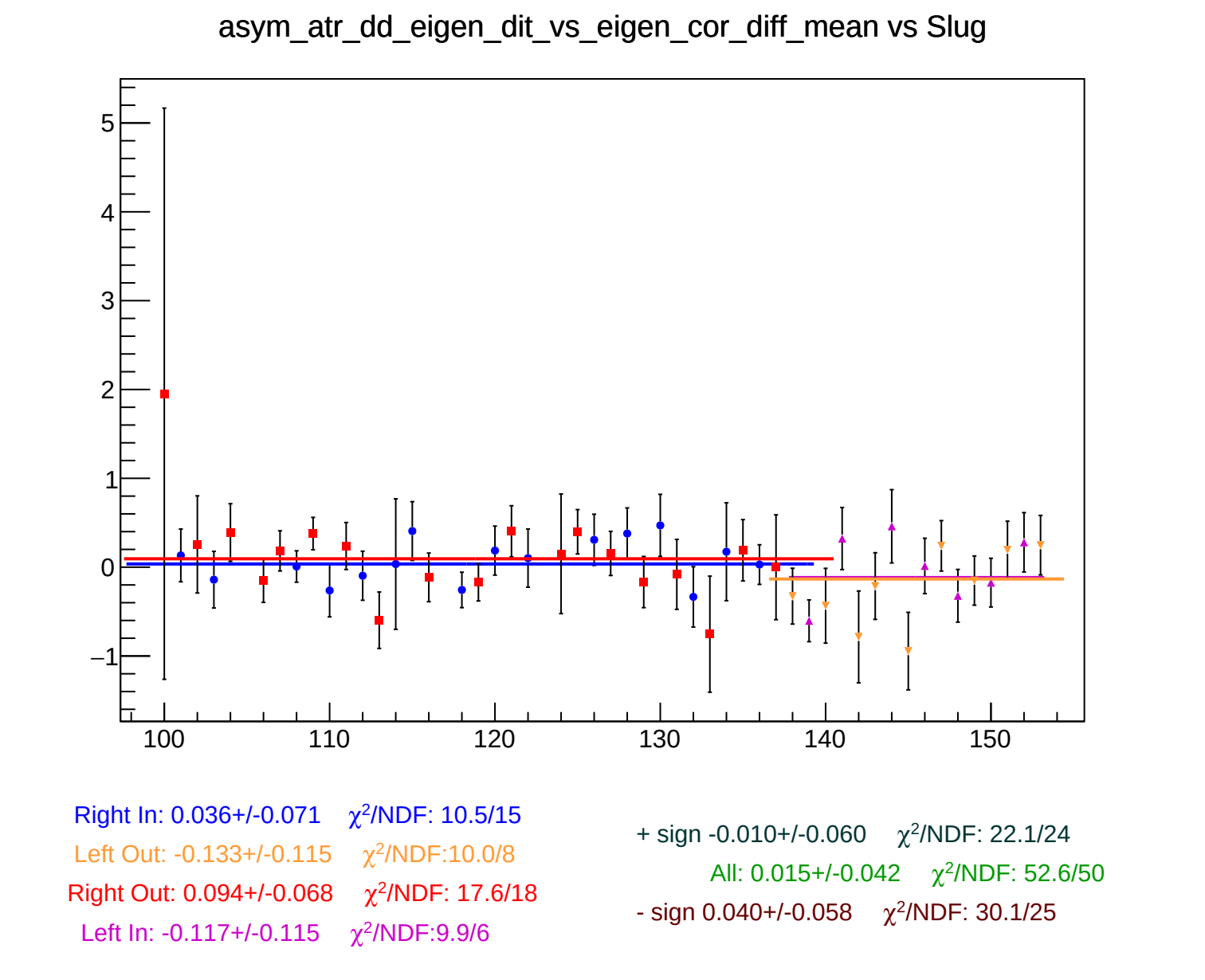
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

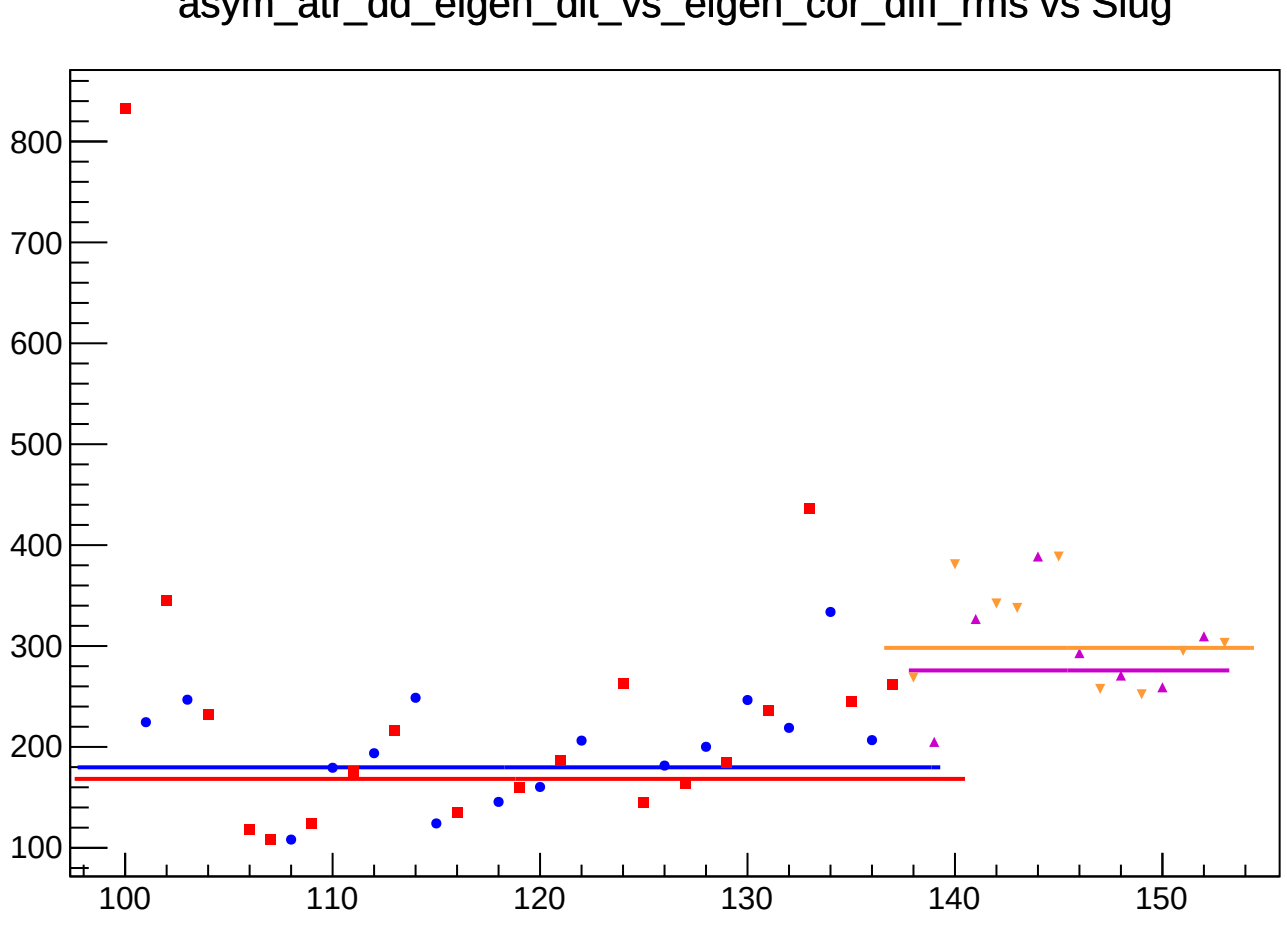
Left In: 275.817+/-0.081 χ^2/NDF:408440.1/6

+ sign 212.253+/-0.043 χ^2/NDF: 2775913.7/24

All: 203.912+/-0.030 χ^2/NDF: 5972307.1/50

- sign 196.083+/-0.041 χ^2/NDF: 3121780.8/25


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.133+/-0.115 χ²/NDF:10.0/8
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.117+/-0.115 χ²/NDF:9.9/6
+ sign -0.010+/-0.060 χ²/NDF: 22.1/24
All: 0.015+/-0.042 χ²/NDF: 52.6/50
- sign 0.040+/-0.058 χ²/NDF: 30.1/25



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 298.163+/-0.081 χ^2/NDF:314667.5/8

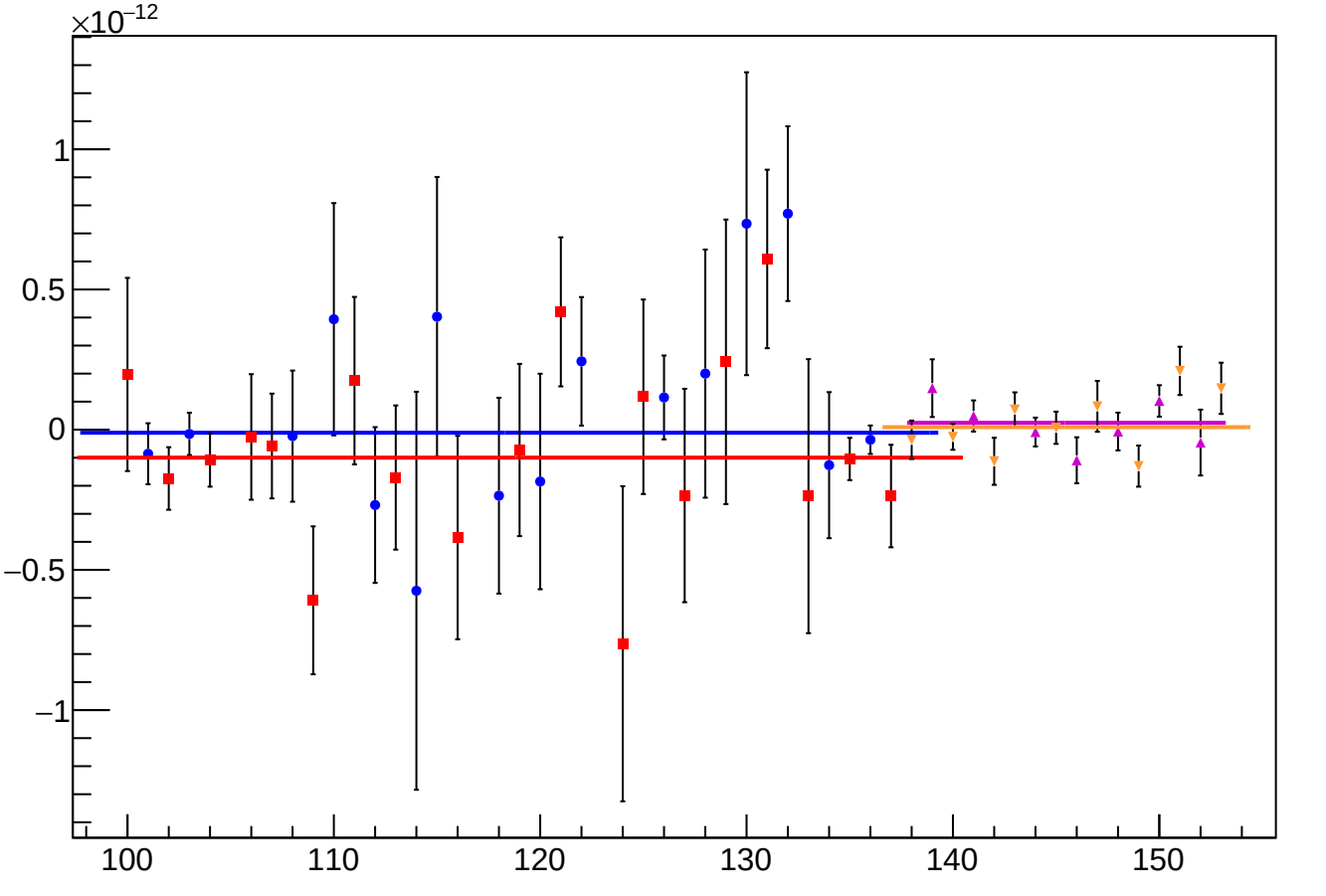
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 275.817+/-0.081 χ^2/NDF:408440.1/6

+ sign 212.253+/-0.043 χ^2/NDF: 2775913.7/24

All: 203.912+/-0.030 χ^2/NDF: 5972307.1/50

- sign 196.083+/-0.041 χ^2/NDF: 3121780.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/8

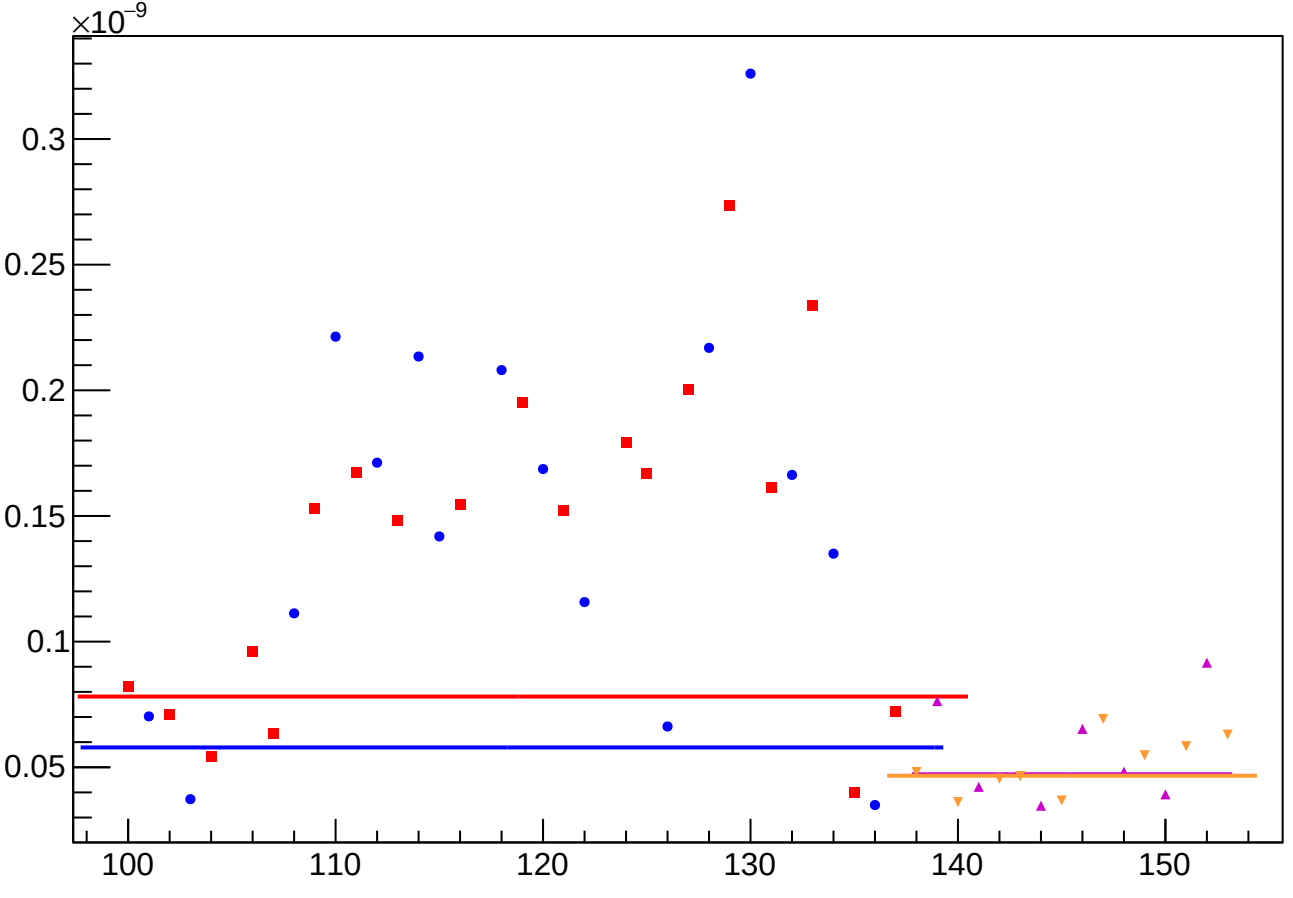
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 31.4/24

All: -0.000+/-0.000 χ^2/NDF: 63.5/50

- sign -0.000+/-0.000 χ^2/NDF: 32.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:413454.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

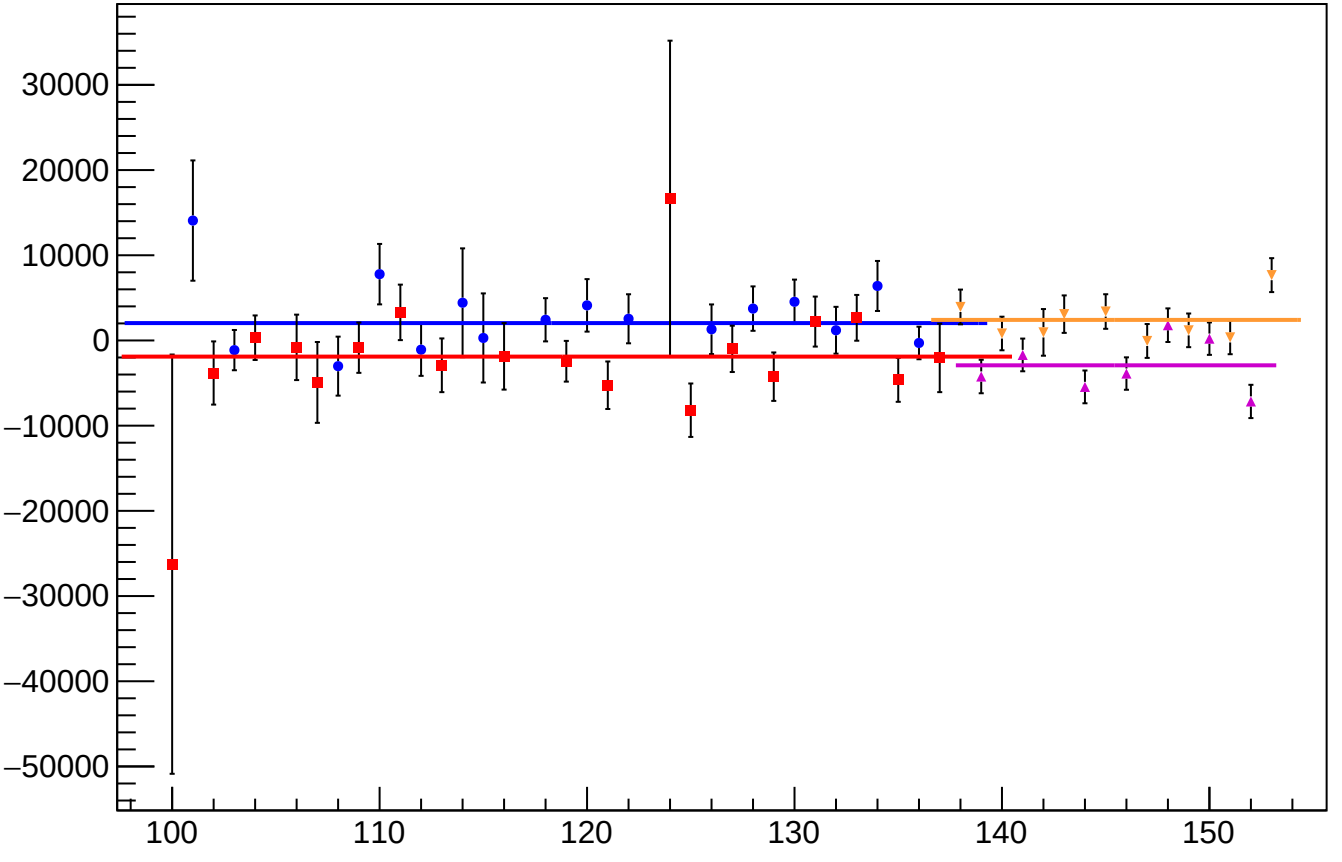
Left In: 0.000+/-0.000 χ^2/NDF:718033.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 3880541.3/24

All: 0.000+/-0.000 χ^2/NDF: 8195363.9/50

- sign 0.000+/-0.000 χ^2/NDF: 4241627.1/25

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2412.754+/-690.264 χ^2/NDF:11.8/8

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

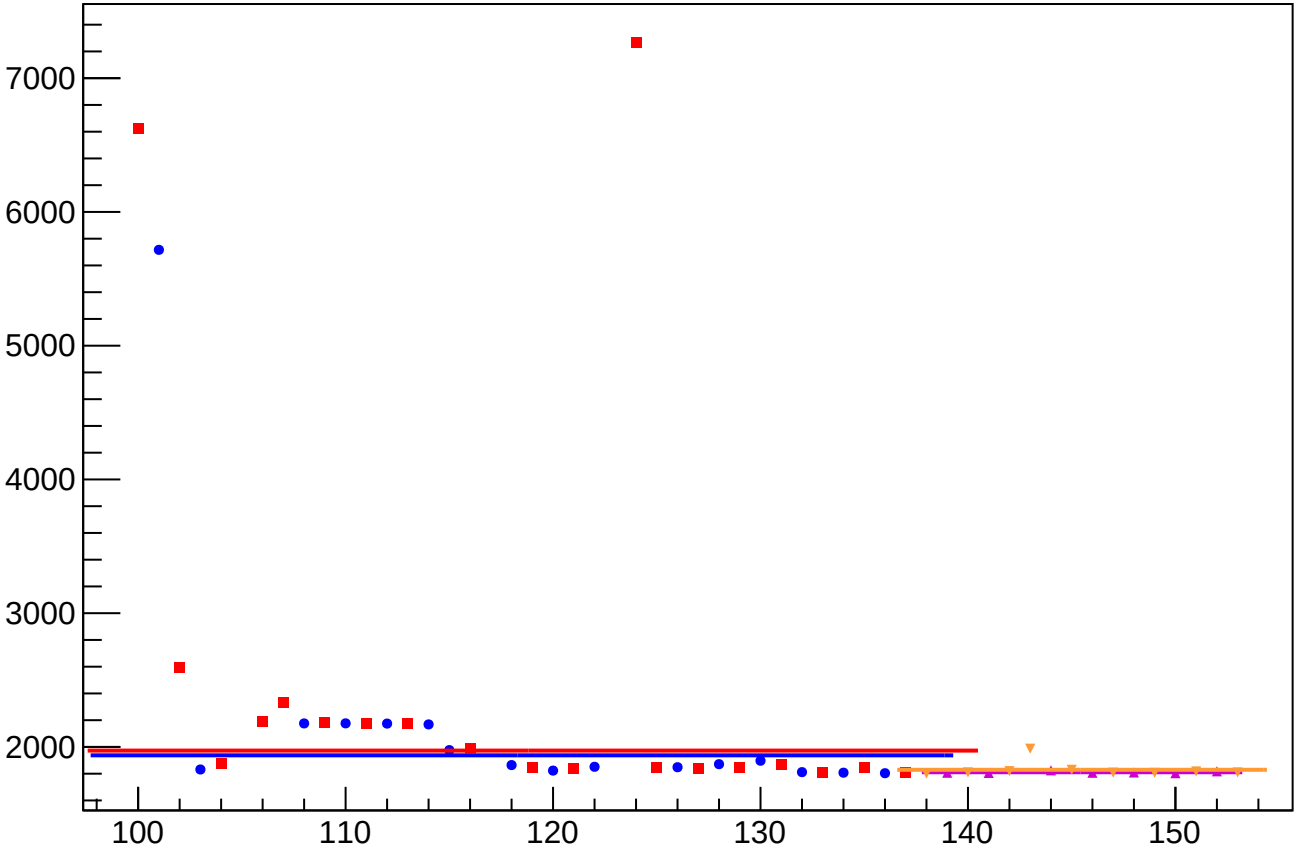
Left In: -2917.482+/-730.817 χ^2/NDF:16.0/6

+ sign 2238.002+/-503.551 χ^2/NDF: 28.4/24

All: -16.685+/-361.354 χ^2/NDF: 105.2/50

- sign -2410.503+/-518.855 χ^2/NDF: 35.4/25

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1829.159+/-0.488 χ^2/NDF:11677.5/8

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

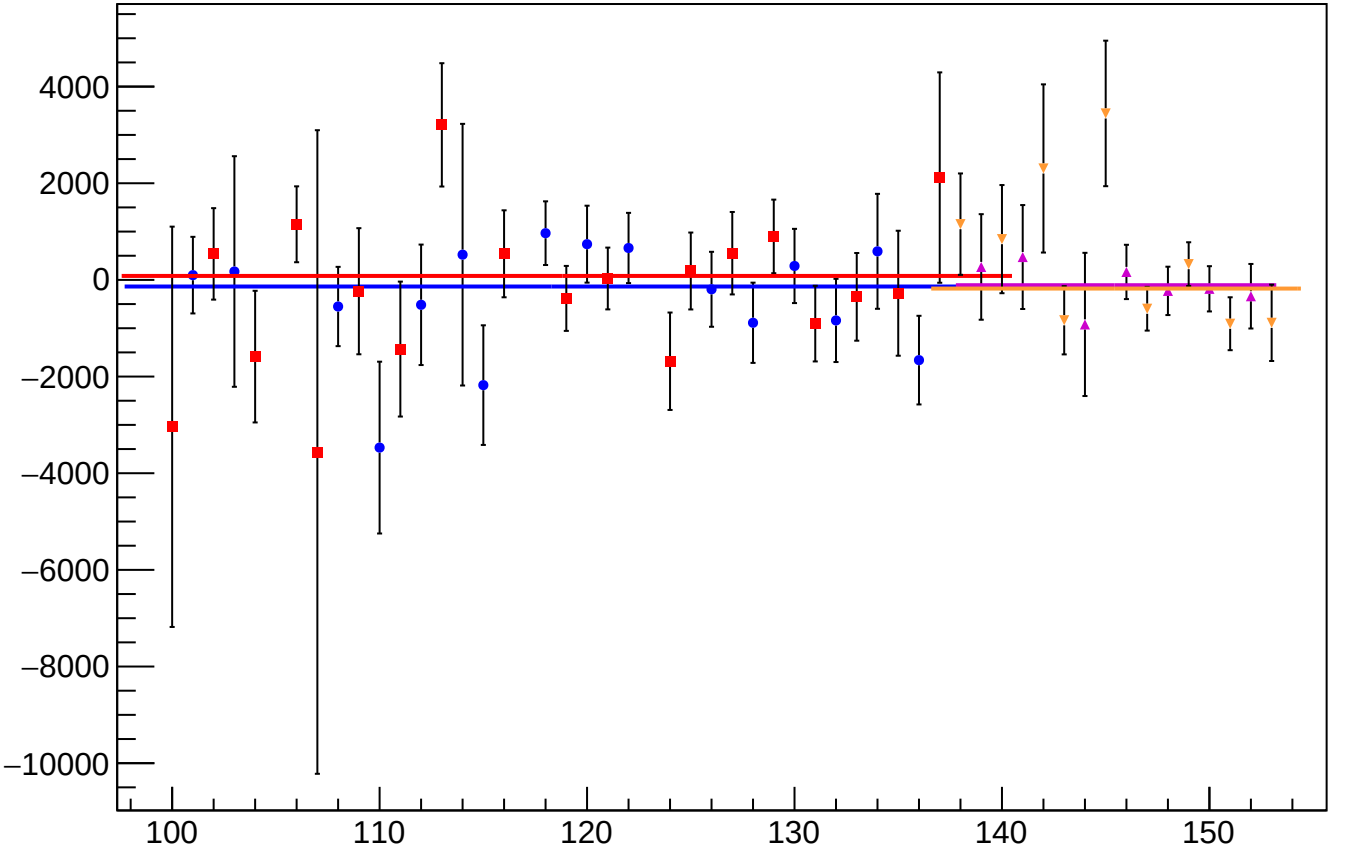
Left In: 1810.792+/-0.517 χ^2/NDF:194.5/6

+ sign 1879.727+/-0.356 χ^2/NDF: 672713.9/24

All: 1885.253+/-0.256 χ^2/NDF: 1099662.4/50

- sign 1891.120+/-0.367 χ^2/NDF: 426451.9/25

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -179.185+/-228.248 χ^2/NDF:15.8/8

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

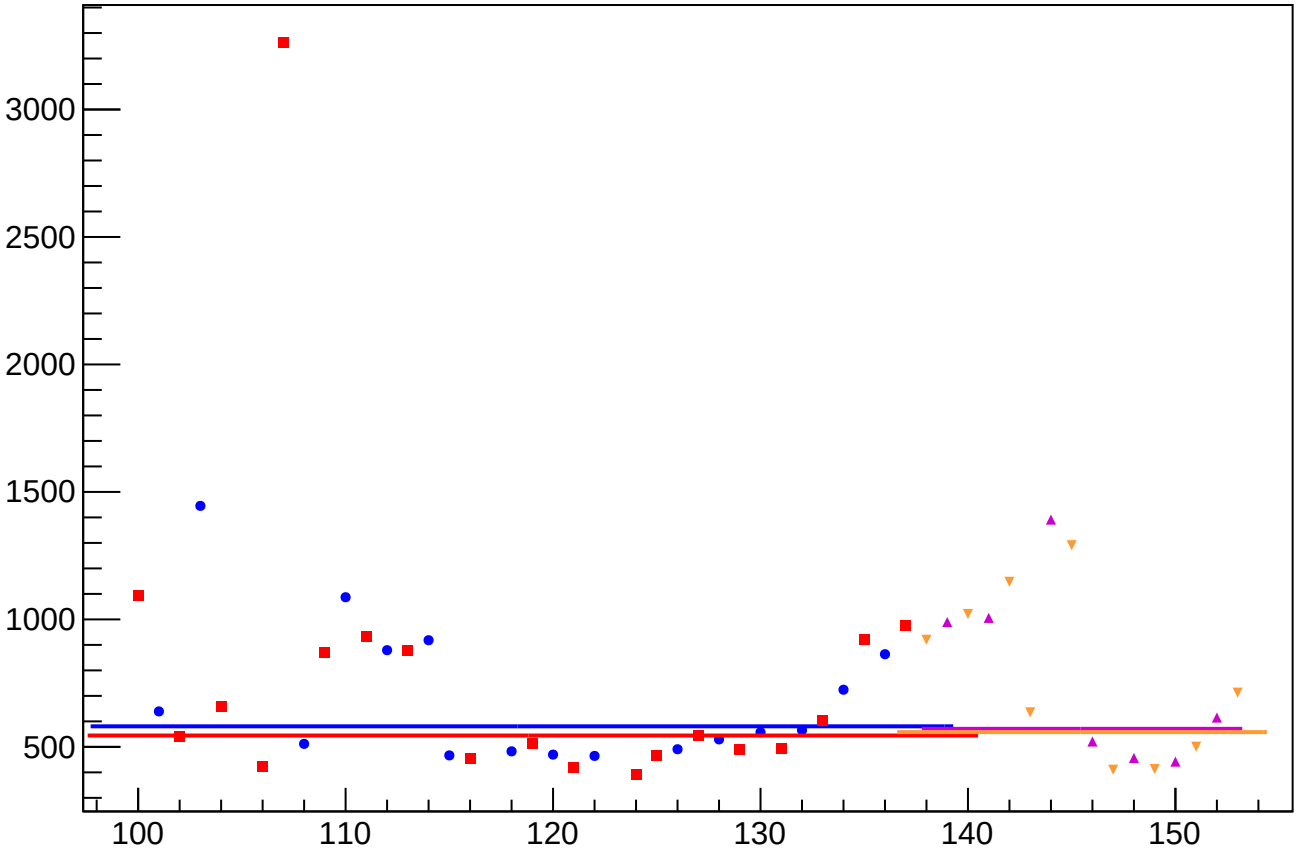
Left In: -109.663+/-249.039 χ^2/NDF:1.1/6

+ sign -158.117+/-162.162 χ^2/NDF: 32.7/24

All: -82.101+/-115.905 χ^2/NDF: 54.4/50

- sign -2.709+/-165.724 χ^2/NDF: 21.2/25

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 557.917+/-0.161 χ^2/NDF:1825429.9/8

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

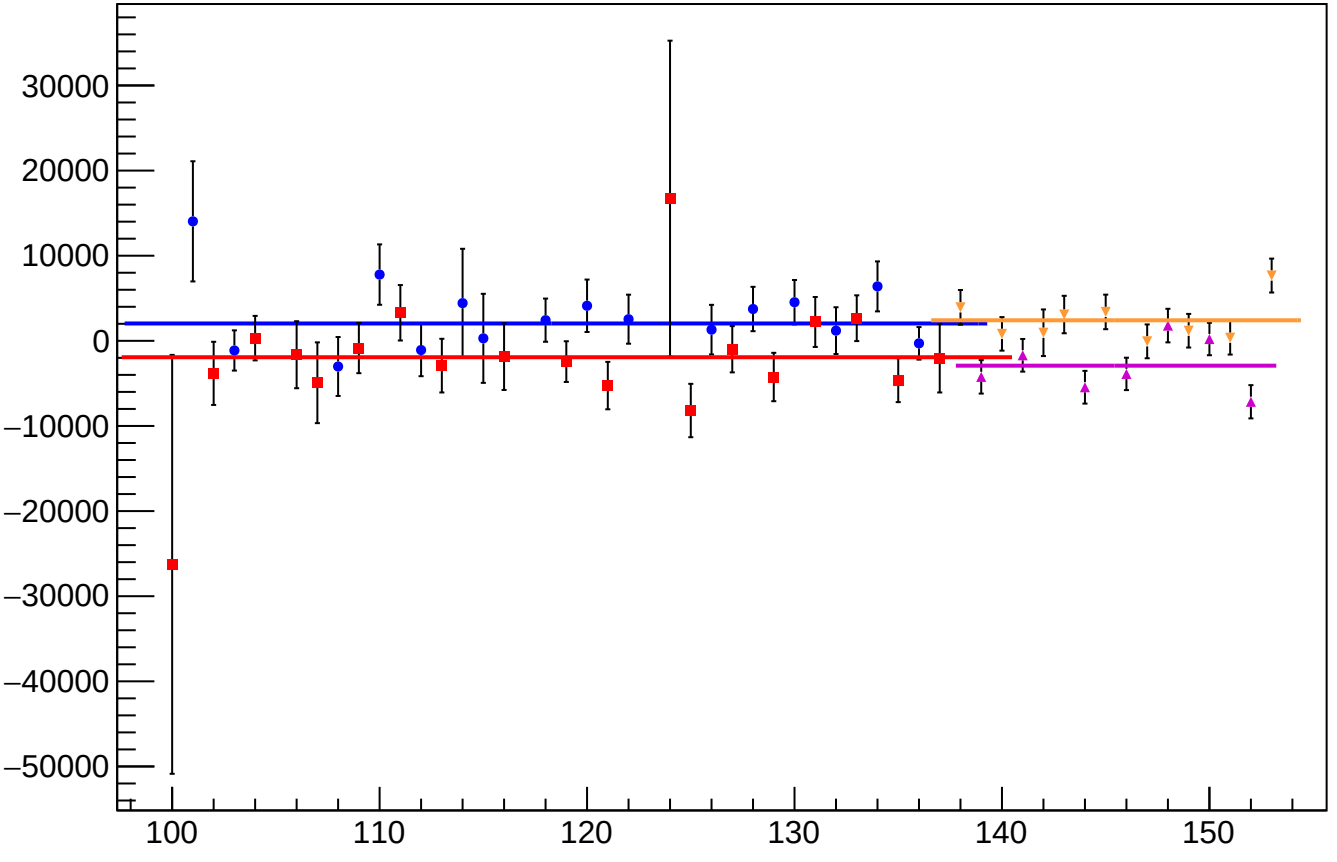
Left In: 570.761+/-0.176 χ^2/NDF:1515472.1/6

+ sign 569.156+/-0.115 χ^2/NDF: 2838632.1/24

All: 562.792+/-0.082 χ^2/NDF: 5660406.2/50

- sign 556.146+/-0.117 χ^2/NDF: 2815477.3/25

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2412.649+/-690.264 χ^2/NDF:11.8/8

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

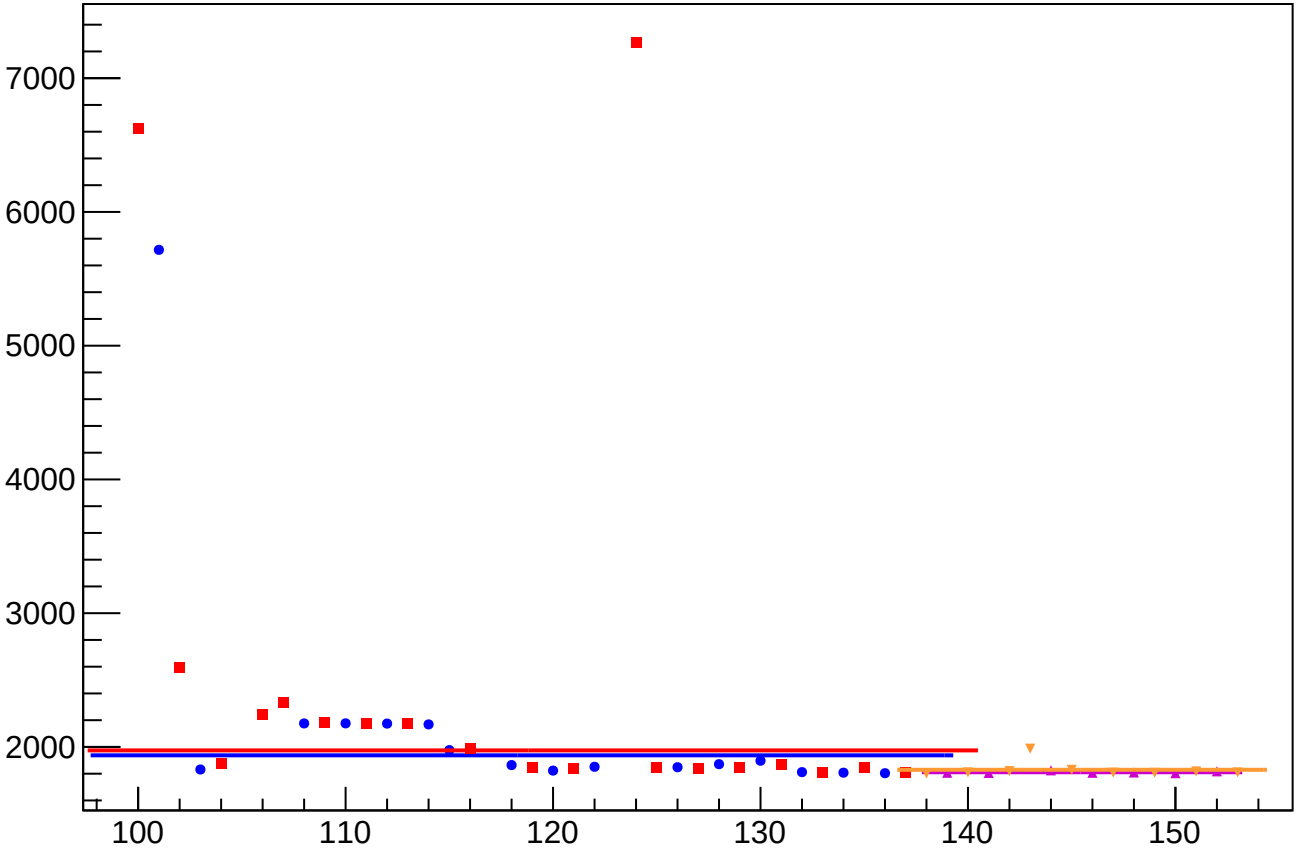
Left In: -2917.719+/-730.817 χ^2/NDF:16.0/6

+ sign 2237.773+/-503.551 χ^2/NDF: 28.4/24

All: -23.518+/-361.430 χ^2/NDF: 105.3/50

- sign -2426.443+/-519.081 χ^2/NDF: 35.3/25

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1829.159+/-0.488 χ^2/NDF:11677.5/8

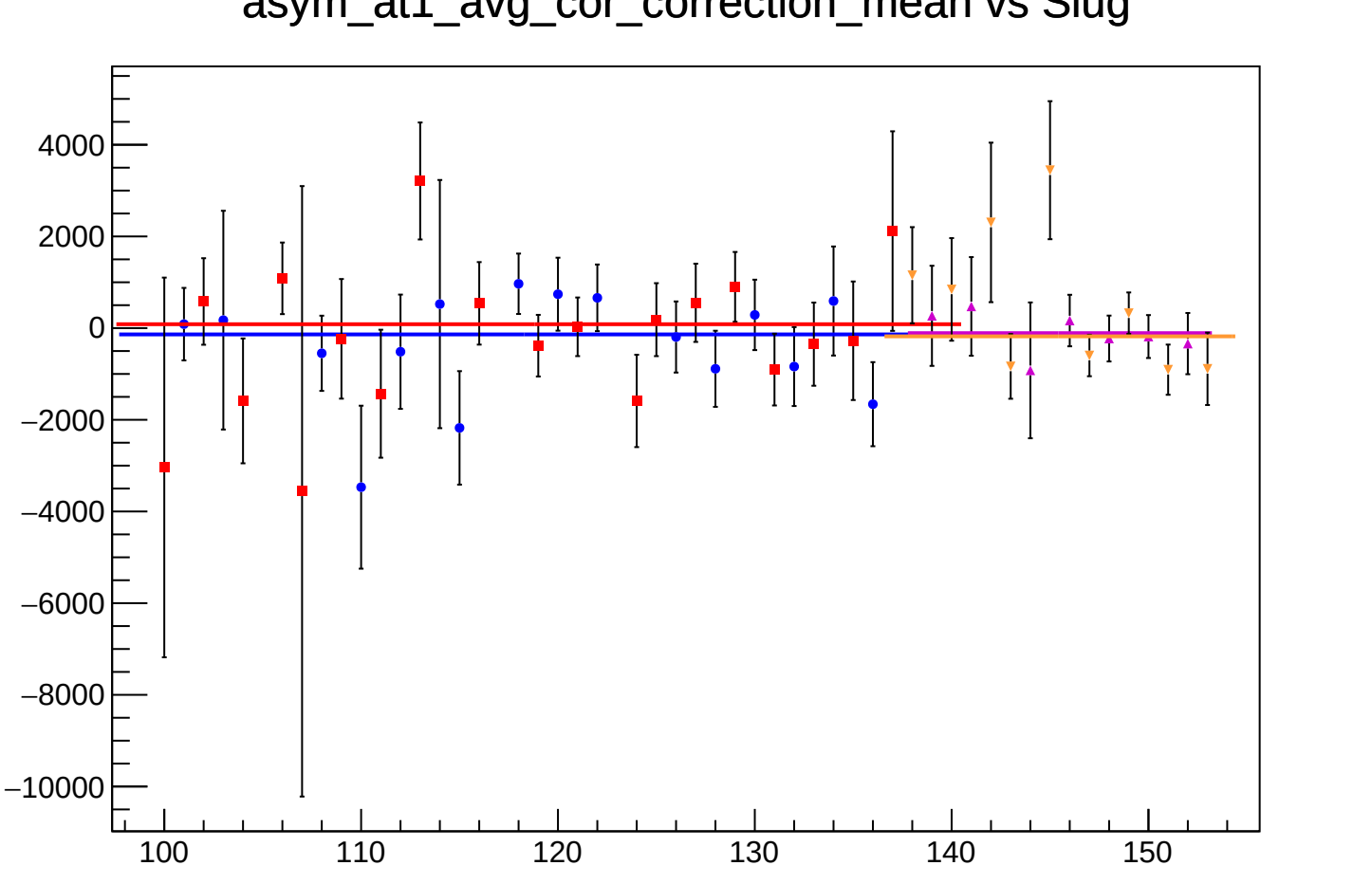
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.792+/-0.517 χ^2/NDF:194.5/6

+ sign 1879.727+/-0.356 χ^2/NDF: 672713.9/24

All: 1885.551+/-0.256 χ^2/NDF: 1103409.9/50

- sign 1891.740+/-0.367 χ^2/NDF: 430144.2/25



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -179.509+/-228.247 χ^2/NDF:15.8/8

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

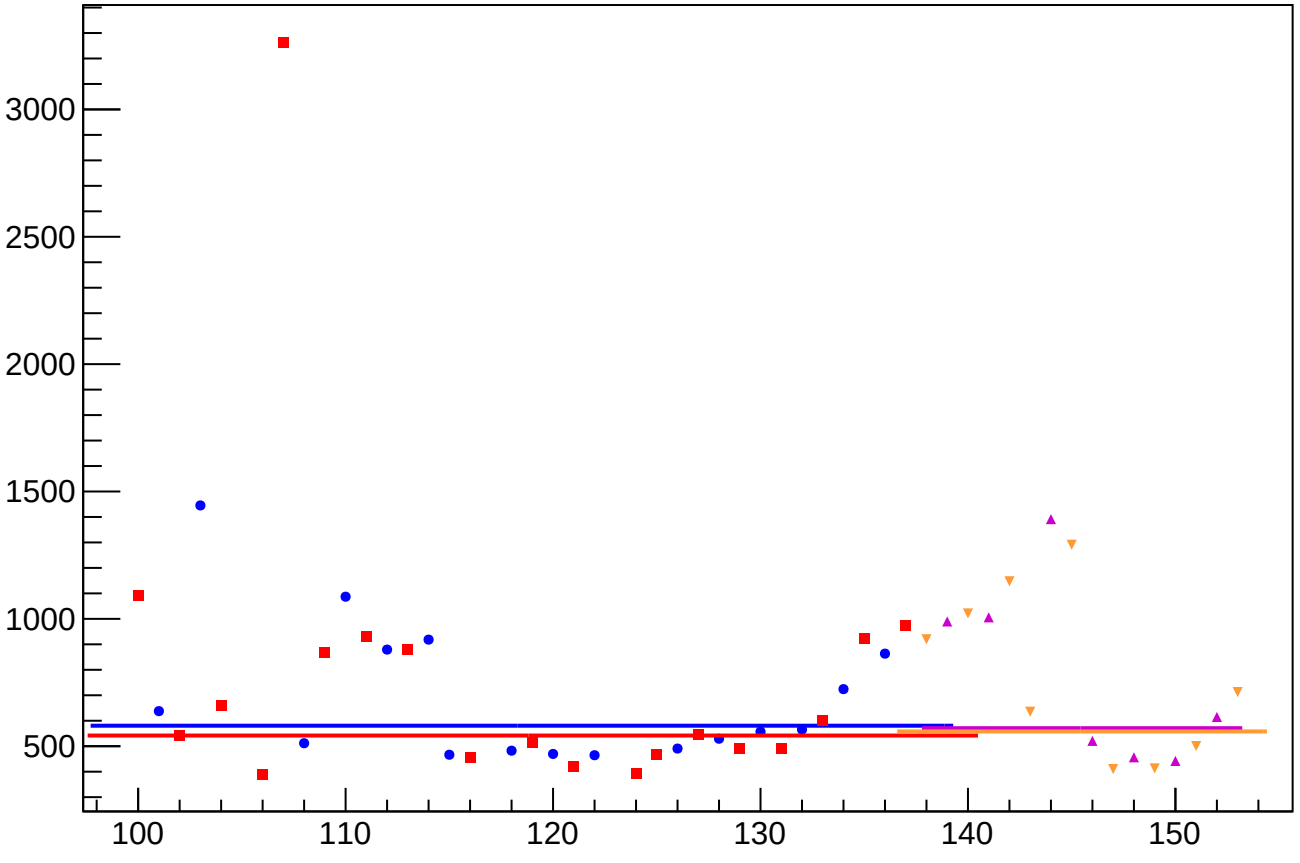
Left In: -109.667+/-249.041 χ^2/NDF:1.2/6

+ sign -158.696+/-162.145 χ^2/NDF: 32.7/24

All: -81.627+/-115.879 χ^2/NDF: 54.0/50

- sign -1.173+/-165.667 χ^2/NDF: 20.8/25

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 557.914+/-0.161 χ^2/NDF:1825434.2/8

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

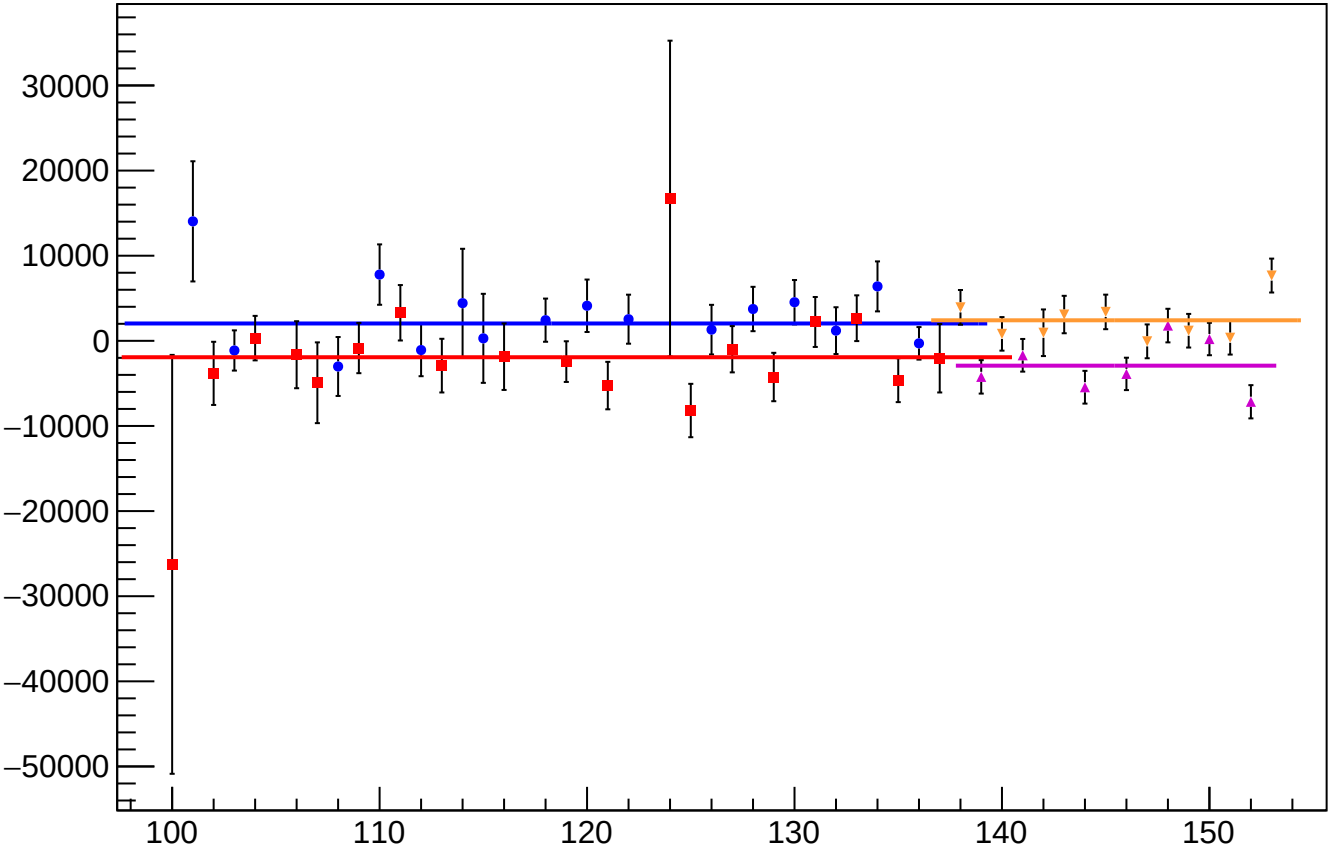
Left In: 570.764+/-0.176 χ^2/NDF:1515479.1/6

+ sign 569.111+/-0.115 χ^2/NDF: 2838051.9/24

All: 562.057+/-0.082 χ^2/NDF: 5695053.8/50

- sign 554.694+/-0.117 χ^2/NDF: 2849266.3/25

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2412.649+/-690.264 χ^2/NDF:11.8/8

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

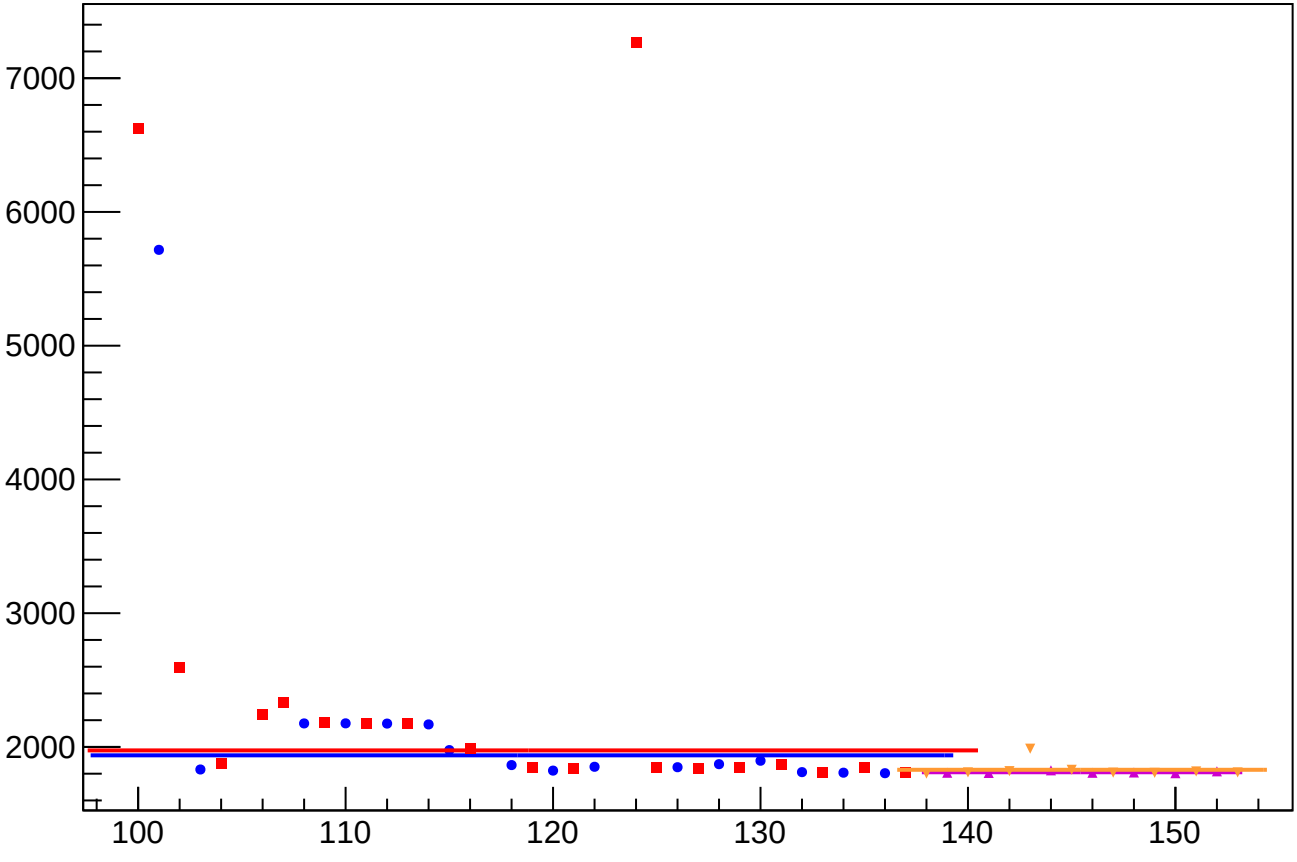
Left In: -2917.719+/-730.817 χ^2/NDF:16.0/6

+ sign 2237.773+/-503.551 χ^2/NDF: 28.4/24

All: -23.518+/-361.430 χ^2/NDF: 105.3/50

- sign -2426.443+/-519.081 χ^2/NDF: 35.3/25

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1829.159+/-0.488 χ^2/NDF:11677.5/8

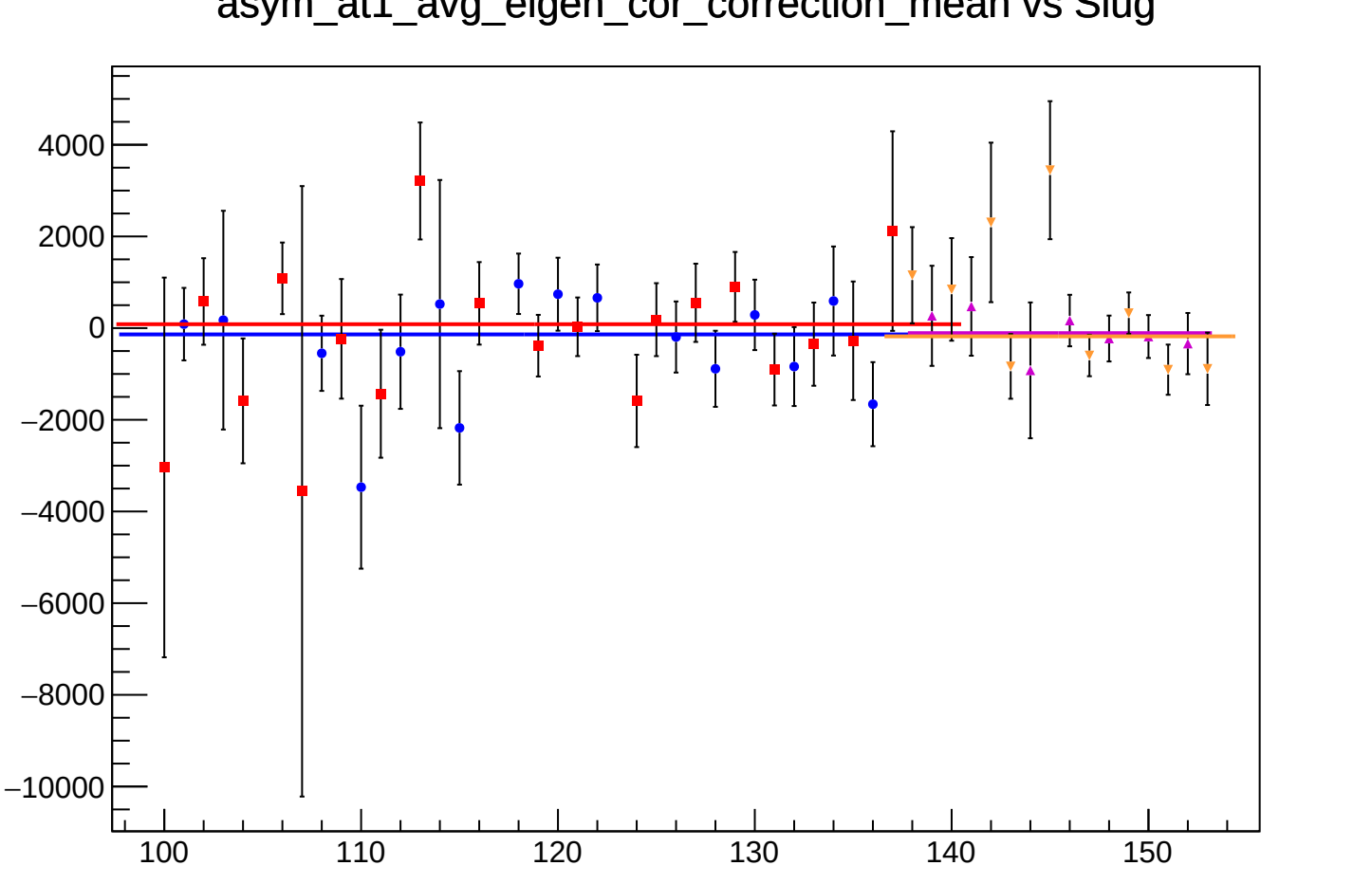
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.792+/-0.517 χ^2/NDF:194.5/6

+ sign 1879.727+/-0.356 χ^2/NDF: 672713.9/24

All: 1885.551+/-0.256 χ^2/NDF: 1103409.9/50

- sign 1891.740+/-0.367 χ^2/NDF: 430144.2/25



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -179.509+/-228.247 χ^2/NDF:15.8/8

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

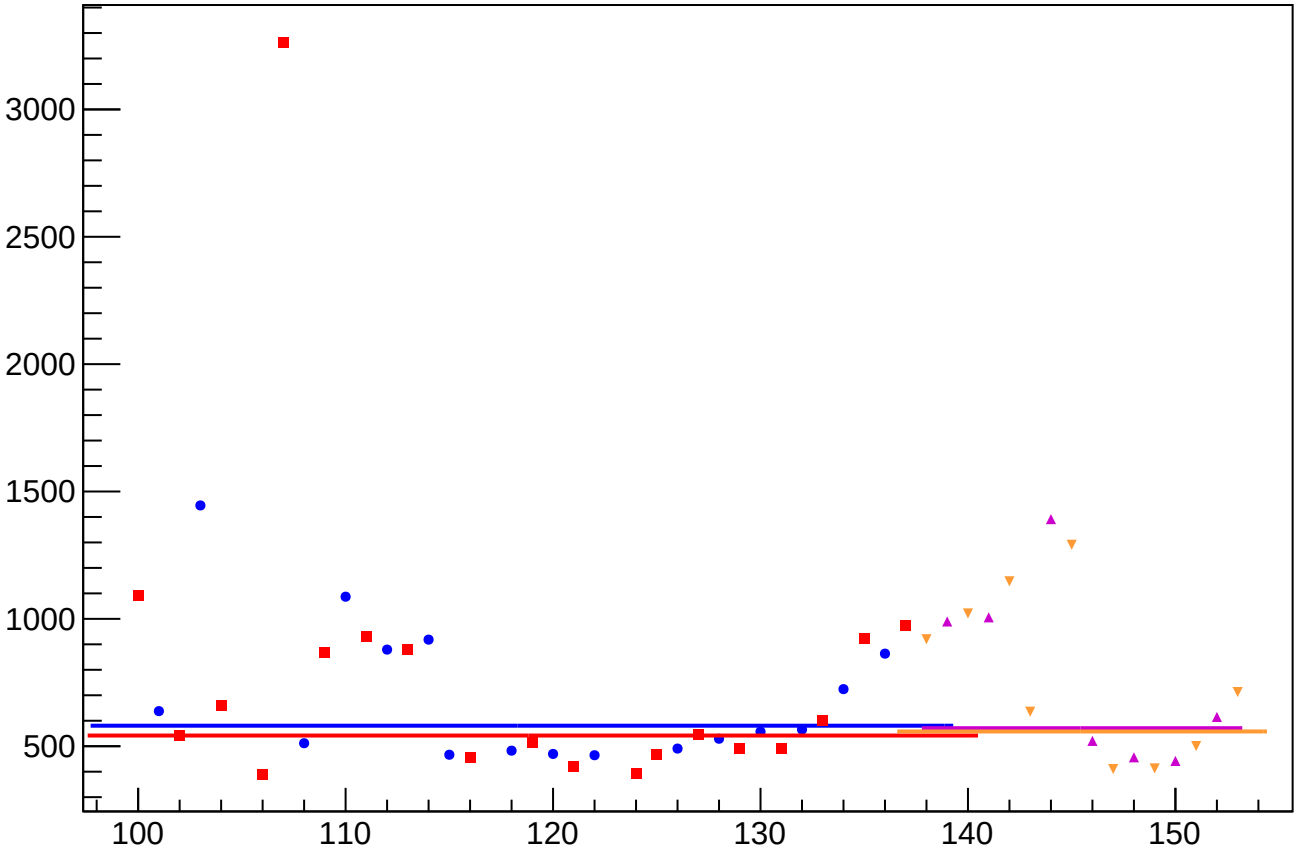
Left In: -109.667+/-249.041 χ^2/NDF:1.2/6

+ sign -158.696+/-162.145 χ^2/NDF: 32.7/24

All: -81.627+/-115.879 χ^2/NDF: 54.0/50

- sign -1.173+/-165.667 χ^2/NDF: 20.8/25

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 557.914+/-0.161 χ^2/NDF:1825434.2/8

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

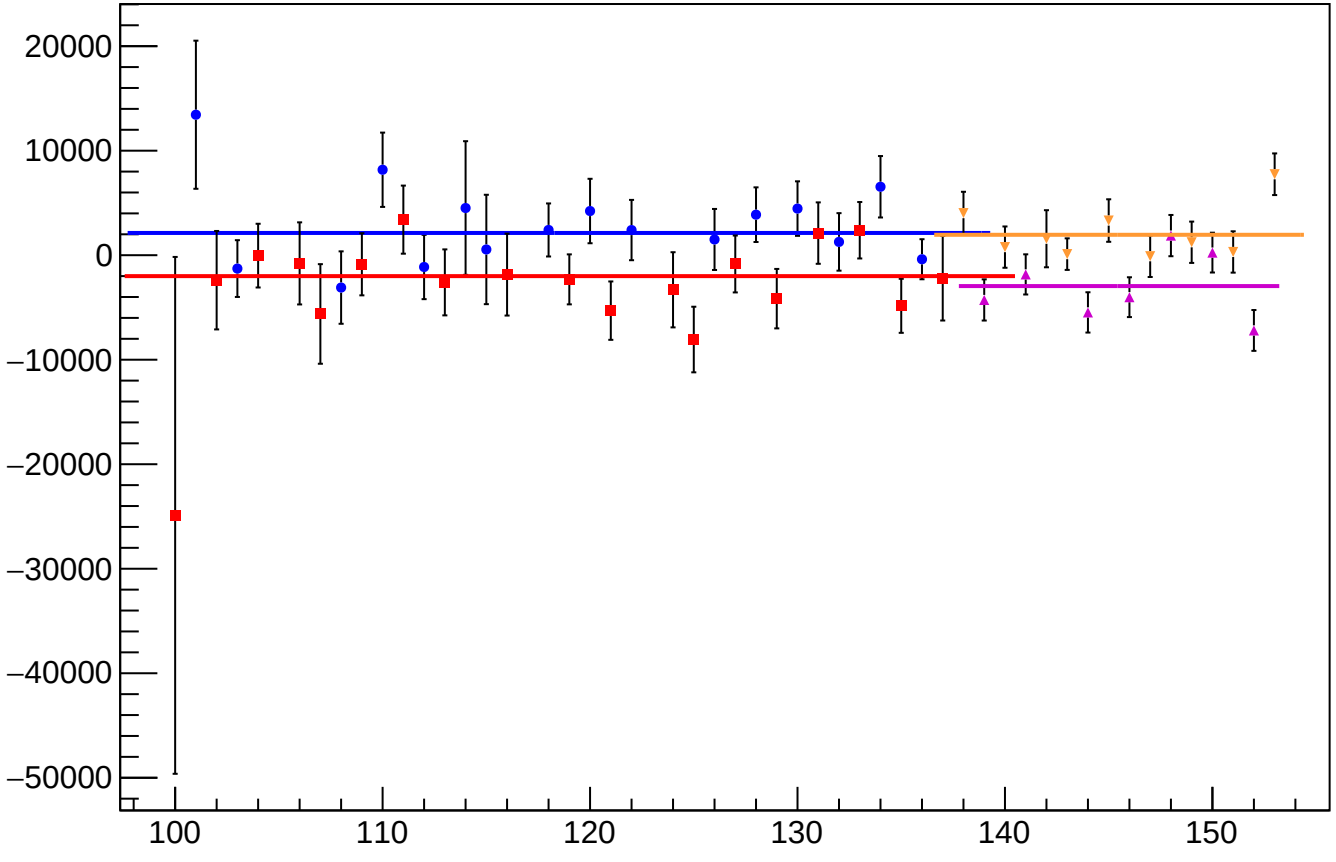
Left In: 570.764+/-0.176 χ^2/NDF:1515479.1/6

+ sign 569.111+/-0.115 χ^2/NDF: 2838051.9/24

All: 562.057+/-0.082 χ^2/NDF: 5695053.8/50

- sign 554.694+/-0.117 χ^2/NDF: 2849266.3/25

dit_asym_at1_avg_mean vs Slug



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1952.465+/-655.563 χ^2/NDF:13.7/8

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

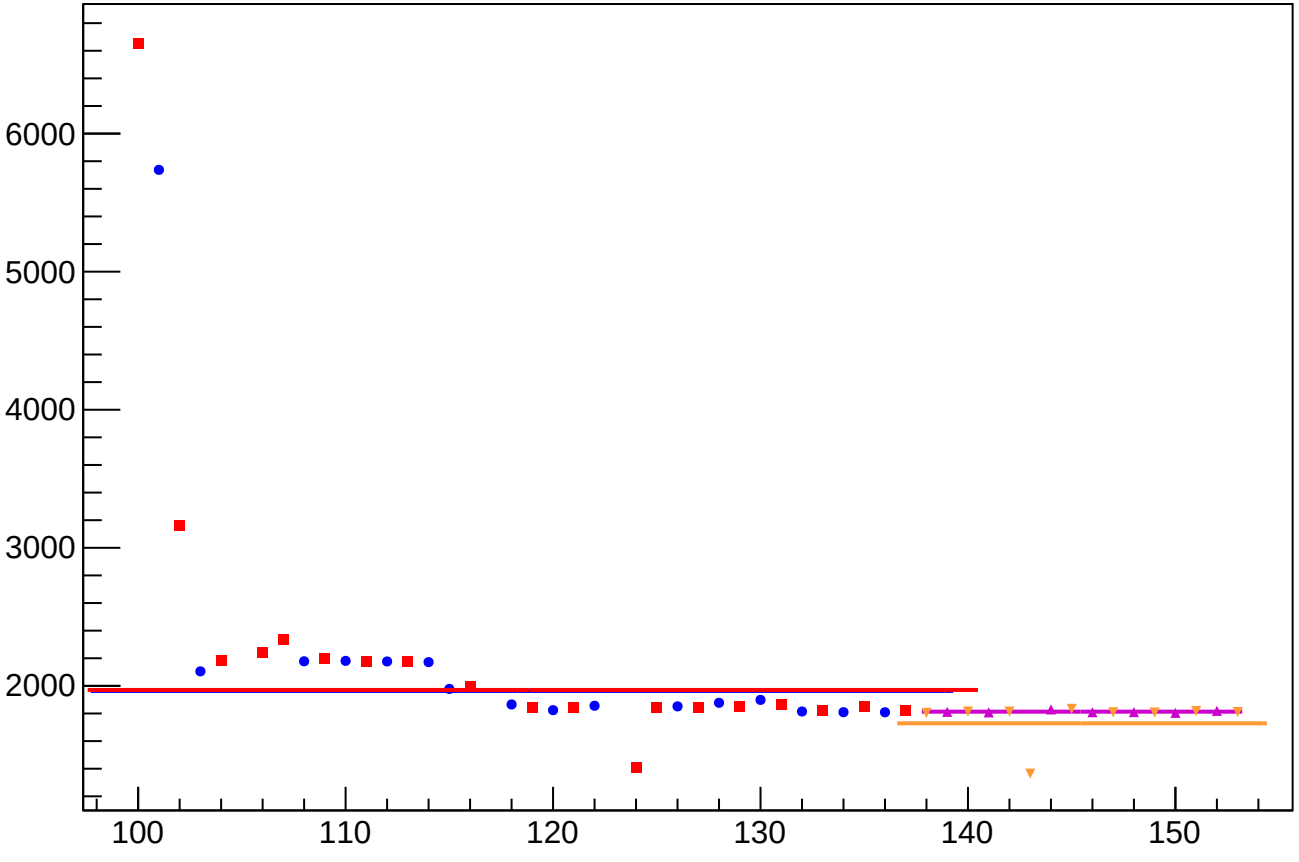
Left In: -2954.465+/-731.783 χ^2/NDF:16.3/6

+ sign 2029.251+/-492.510 χ^2/NDF: 30.2/24

All: -106.718+/-357.370 χ^2/NDF: 103.9/50

- sign -2481.851+/-519.352 χ^2/NDF: 33.9/25

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1728.917+/-0.464 χ^2/NDF:144043.7/8

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

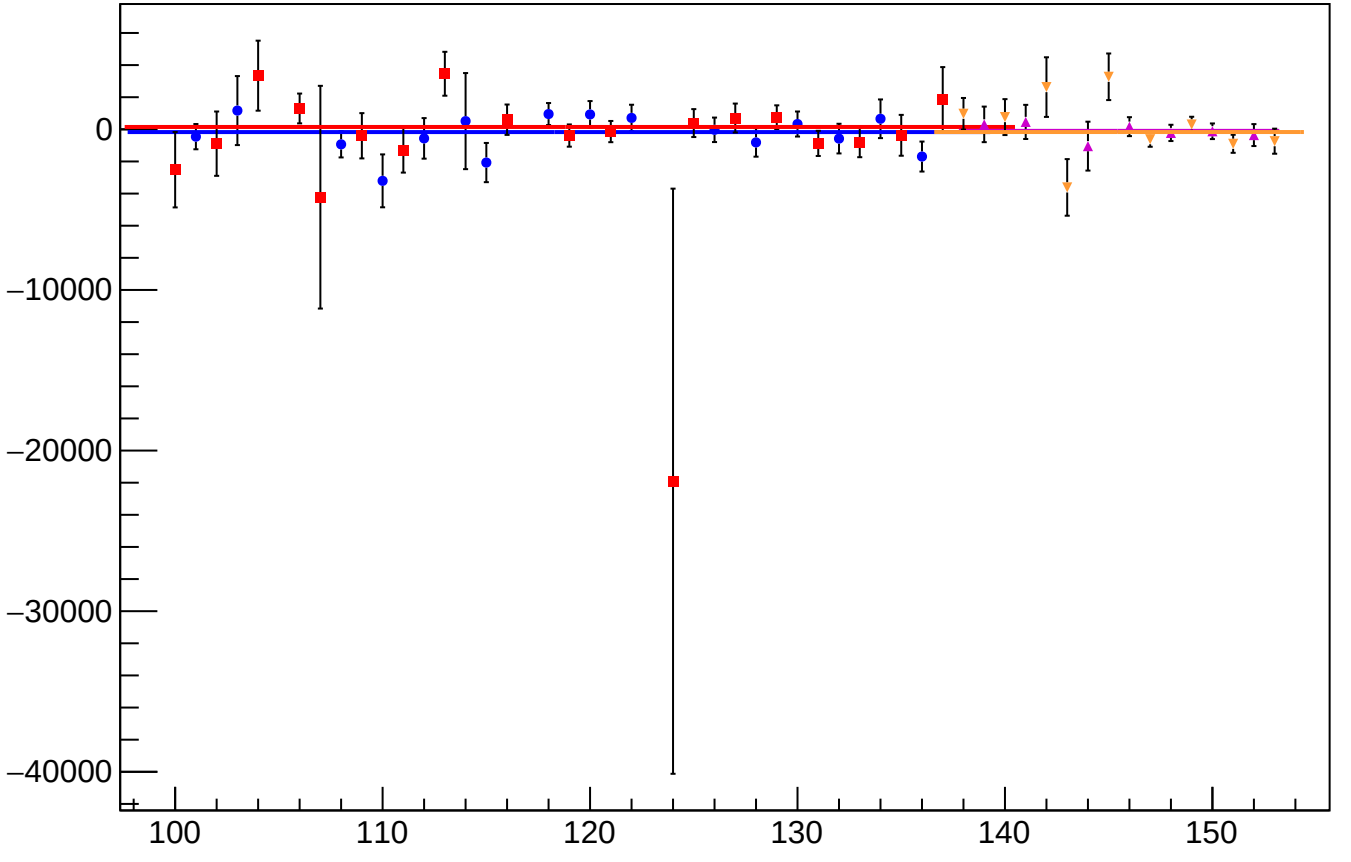
Left In: 1813.141+/-0.517 χ^2/NDF:230.9/6

+ sign 1831.060+/-0.348 χ^2/NDF: 895765.8/24

All: 1859.546+/-0.253 χ^2/NDF: 1301135.2/50

- sign 1891.221+/-0.367 χ^2/NDF: 391239.5/25

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -167.585+/-245.689 χ^2/NDF:17.8/8

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

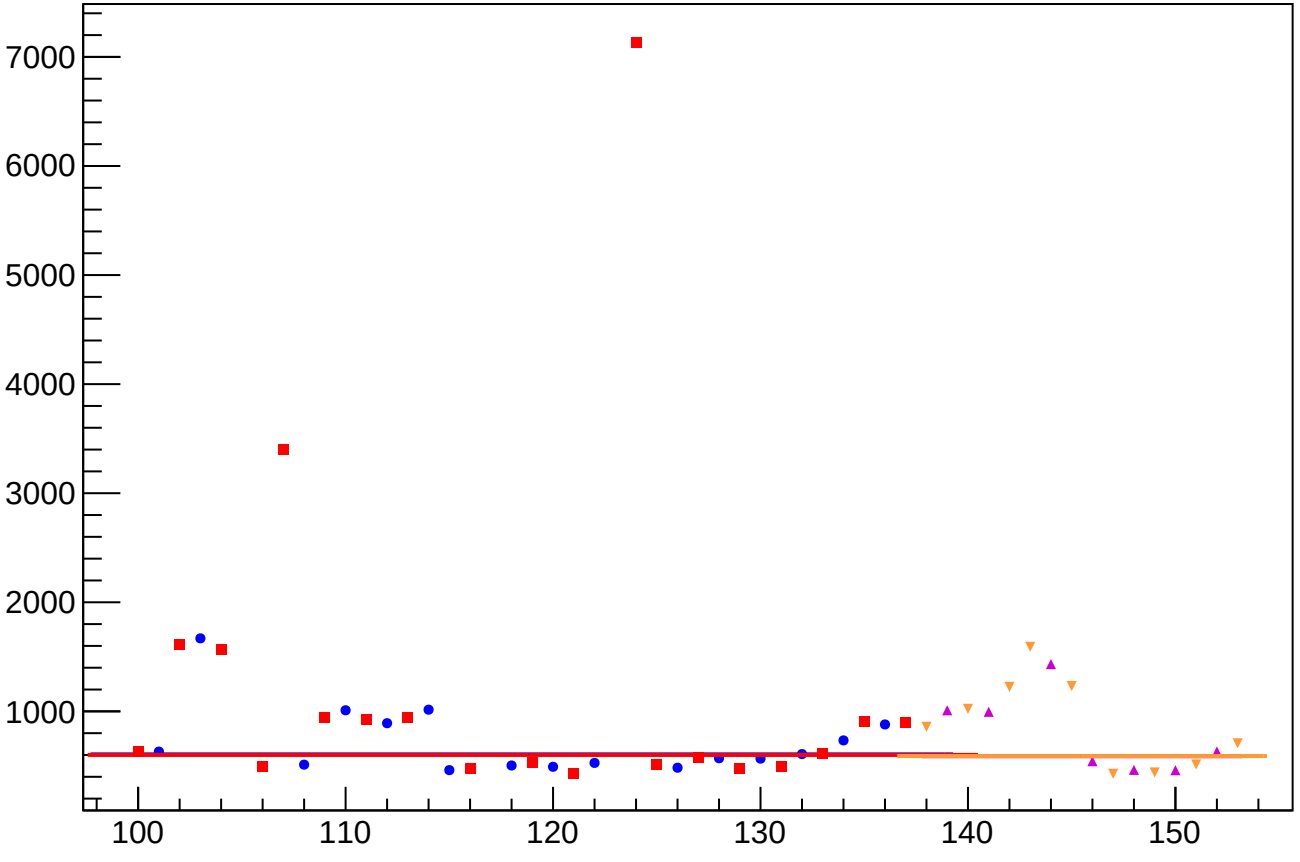
Left In: -95.232+/-255.869 χ^2/NDF:1.2/6

+ sign -169.238+/-170.541 χ^2/NDF: 35.1/24

All: -71.646+/-122.523 χ^2/NDF: 57.5/50

- sign 32.462+/-176.143 χ^2/NDF: 21.8/25

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 590.177+/-0.174 χ^2/NDF:2234901.5/8

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

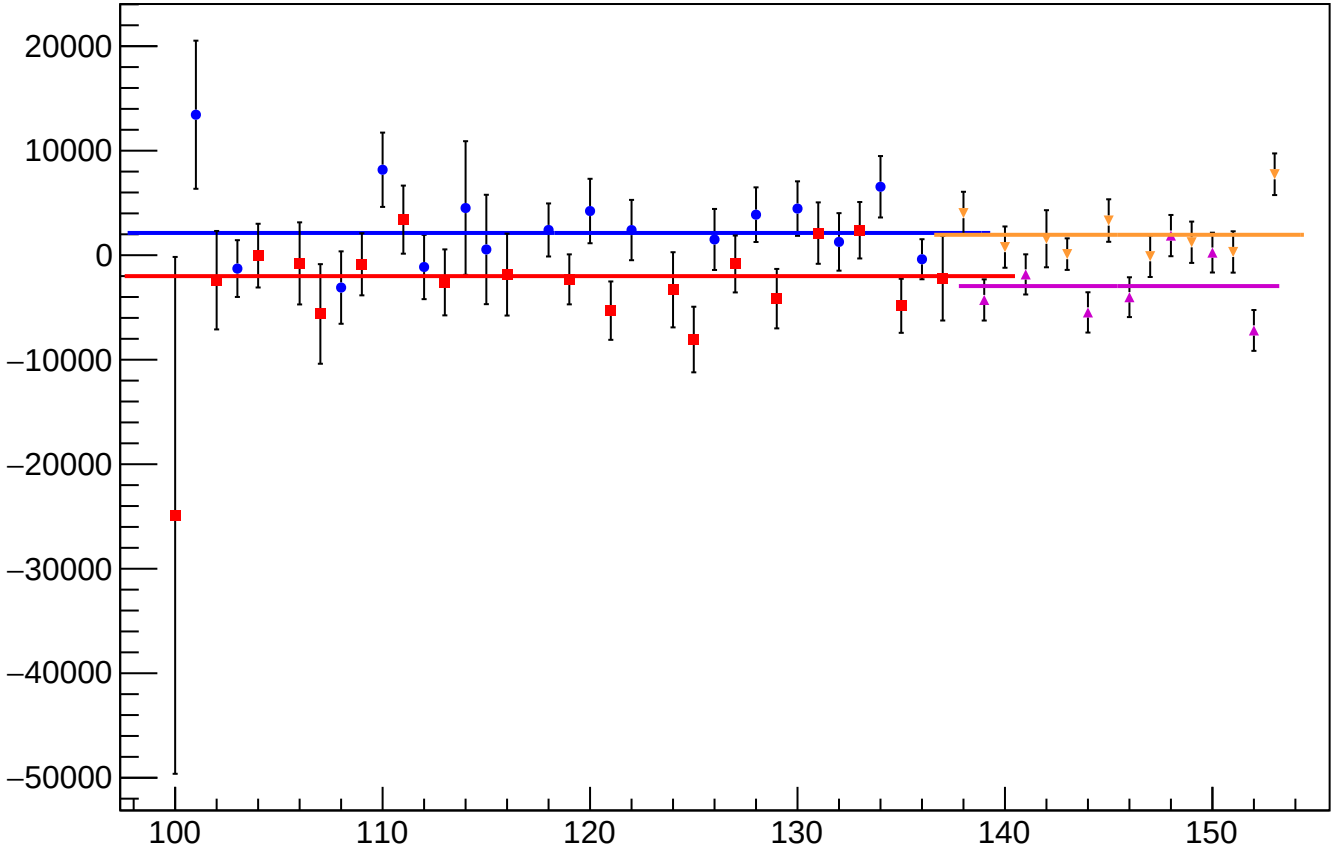
Left In: 588.670+/-0.181 χ^2/NDF:1480967.2/6

+ sign 598.080+/-0.121 χ^2/NDF: 3401350.2/24

All: 596.525+/-0.087 χ^2/NDF: 7213414.1/50

- sign 594.866+/-0.125 χ^2/NDF: 3811720.0/25

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1952.466+/-655.563 χ^2/NDF:13.7/8

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

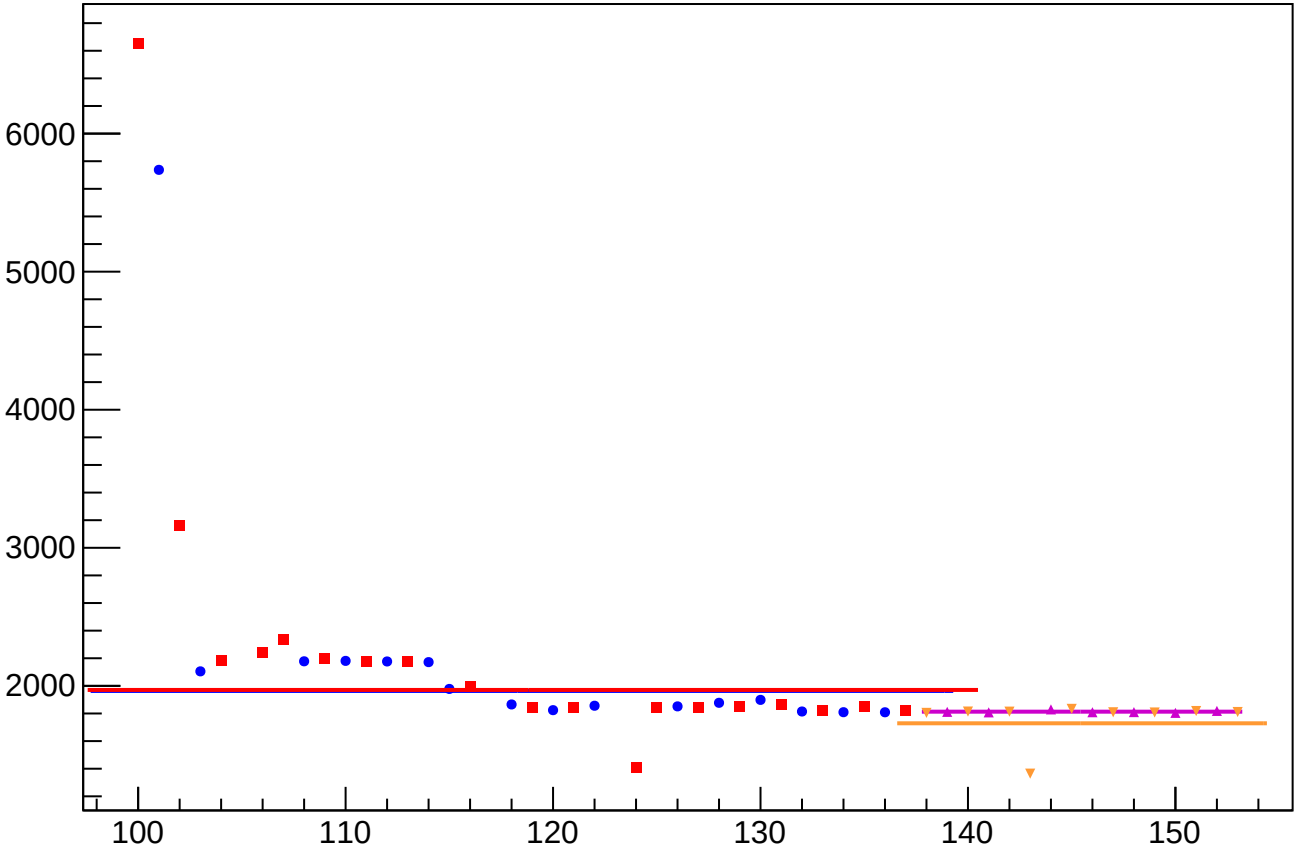
Left In: -2954.465+/-731.783 χ^2/NDF:16.3/6

+ sign 2029.250+/-492.510 χ^2/NDF: 30.2/24

All: -106.717+/-357.370 χ^2/NDF: 103.9/50

- sign -2481.850+/-519.351 χ^2/NDF: 33.9/25

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1728.917+/-0.464 χ^2/NDF:144043.7/8

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

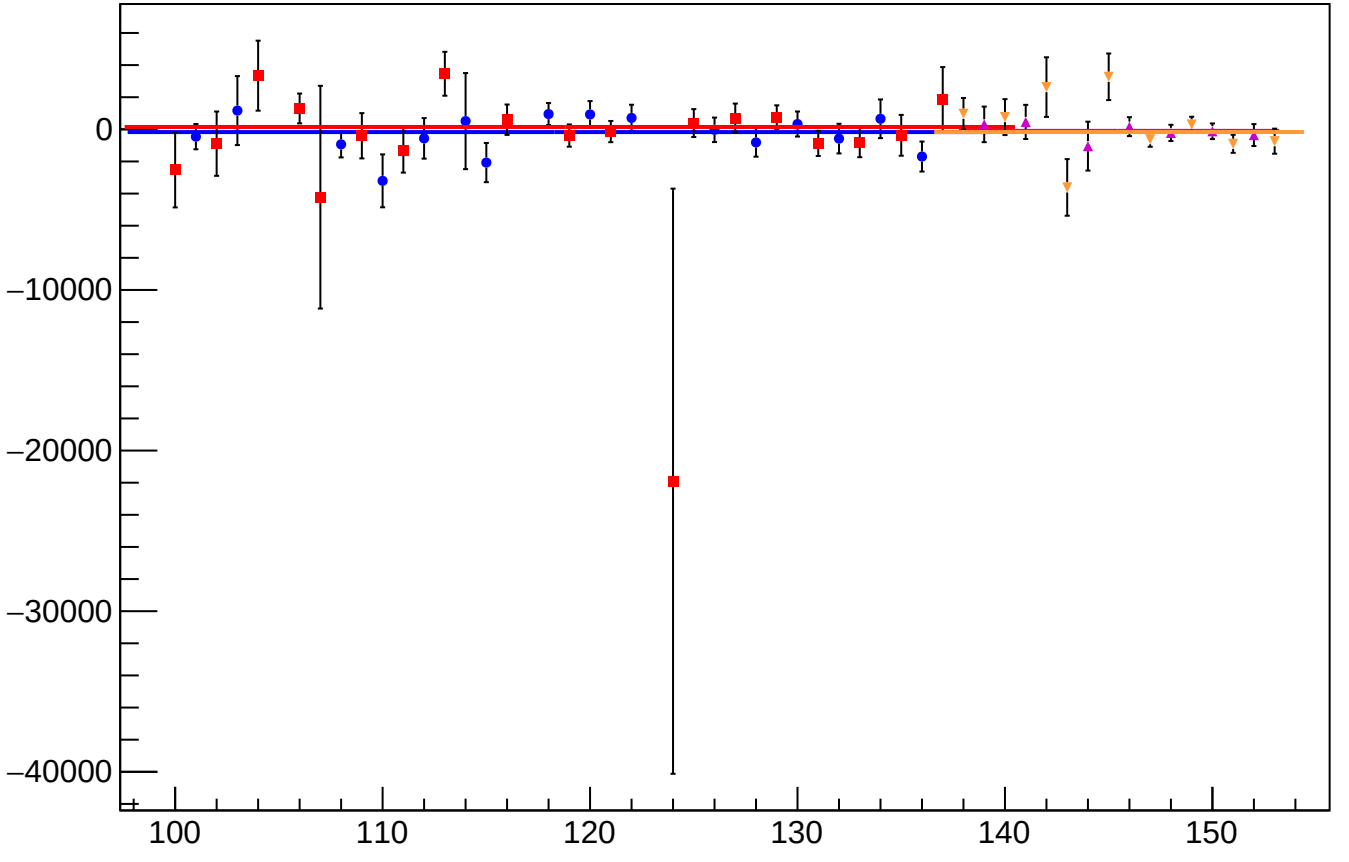
Left In: 1813.141+/-0.517 χ^2/NDF:230.9/6

+ sign 1831.060+/-0.348 χ^2/NDF: 895765.3/24

All: 1859.546+/-0.253 χ^2/NDF: 1301133.2/50

- sign 1891.221+/-0.367 χ^2/NDF: 391238.1/25

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -167.586+/-245.690 χ^2/NDF:17.8/8

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

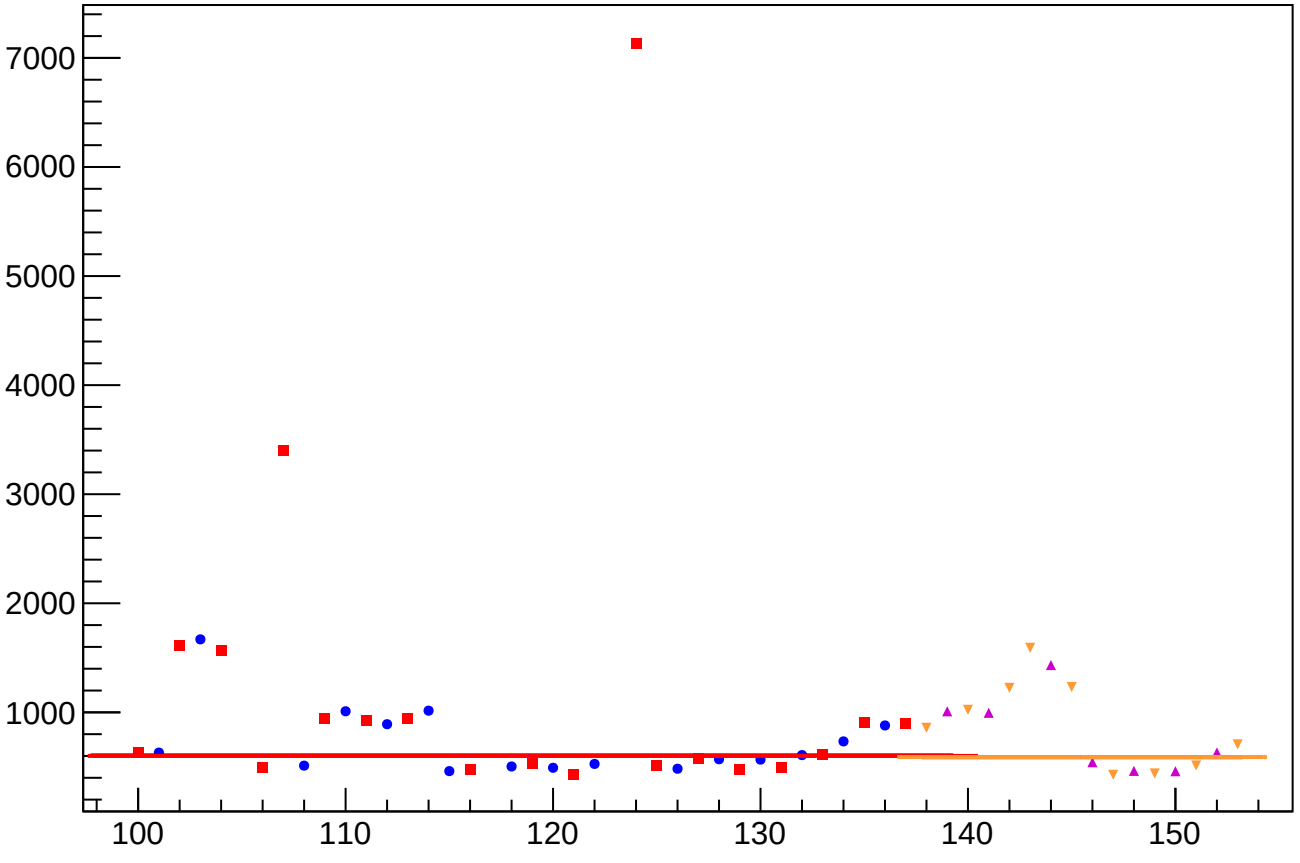
Left In: -95.232+/-255.869 χ^2/NDF:1.2/6

+ sign -169.237+/-170.541 χ^2/NDF: 35.1/24

All: -71.646+/-122.523 χ^2/NDF: 57.5/50

- sign 32.461+/-176.143 χ^2/NDF: 21.8/25

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 590.178+/-0.174 χ^2/NDF:2234895.6/8

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

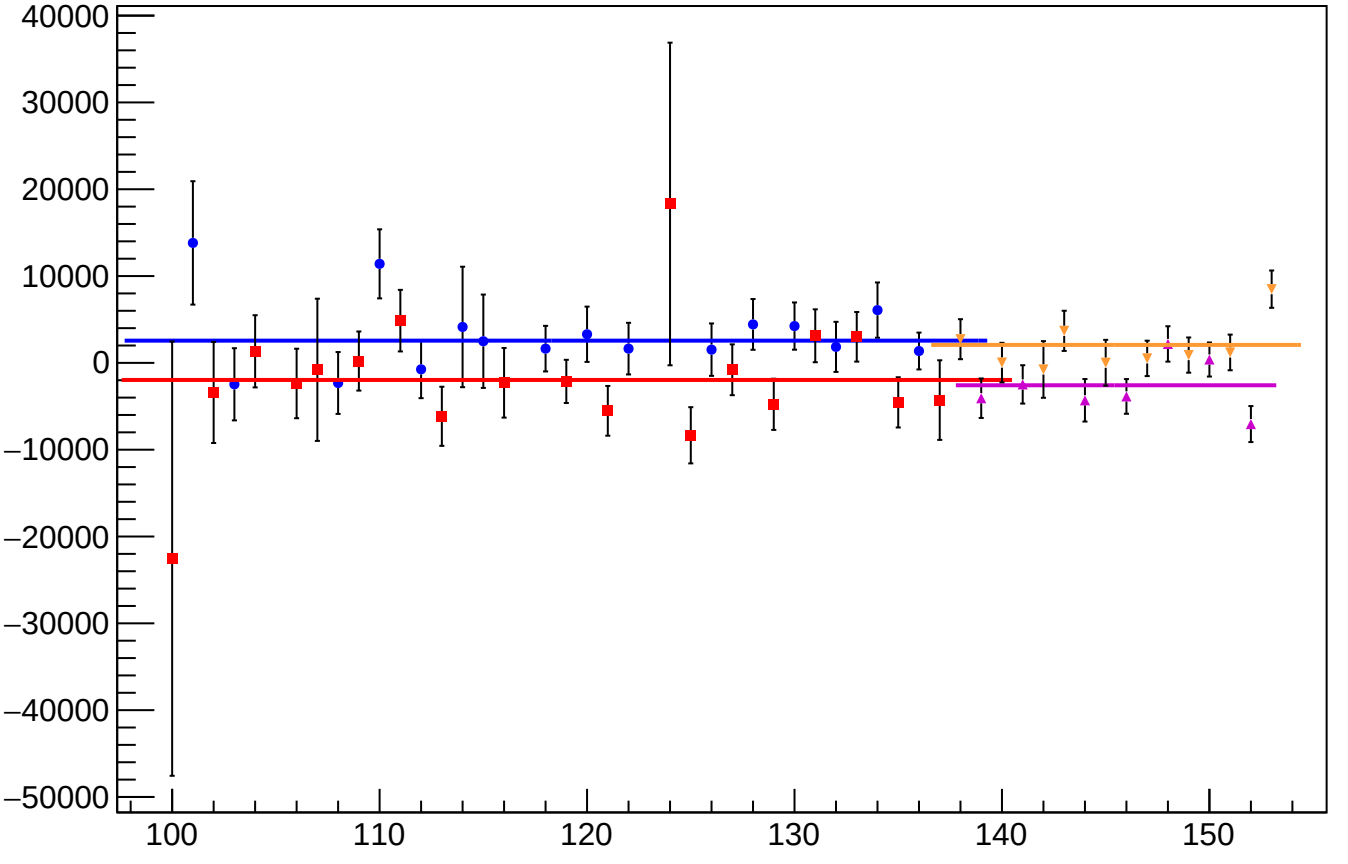
Left In: 588.671+/-0.181 χ^2/NDF:1480964.1/6

+ sign 598.081+/-0.121 χ^2/NDF: 3401351.2/24

All: 596.525+/-0.087 χ^2/NDF: 7213419.3/50

- sign 594.866+/-0.125 χ^2/NDF: 3811724.2/25

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2070.406+/-757.385 χ^2/NDF:12.7/8

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

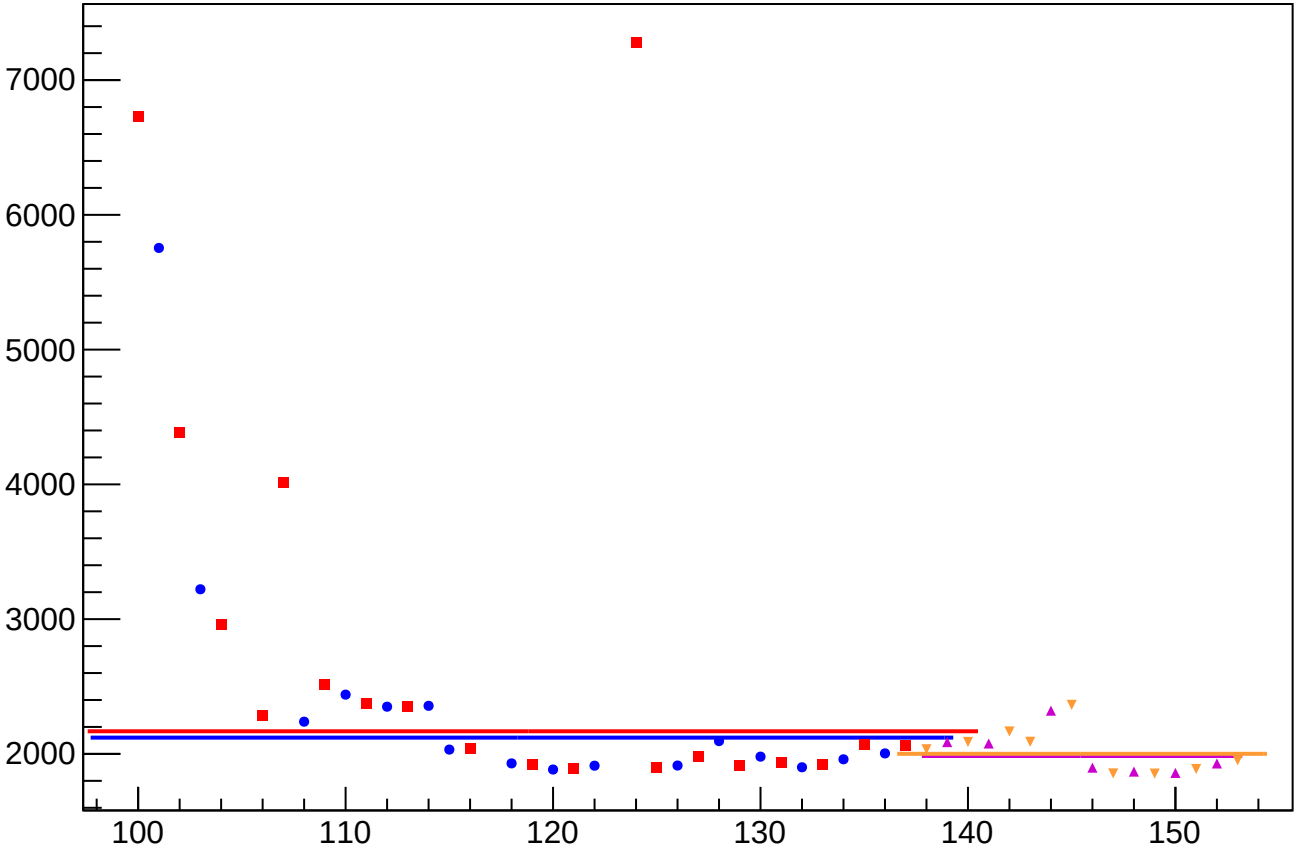
Left In: -2579.433+/-803.537 χ^2/NDF:13.7/6

+ sign 2299.342+/-553.109 χ^2/NDF: 27.6/24

All: 93.155+/-398.127 χ^2/NDF: 96.2/50

- sign -2278.861+/-573.520 χ^2/NDF: 35.6/25

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2000.621+/-0.536 χ^2/NDF:77221.0/8

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

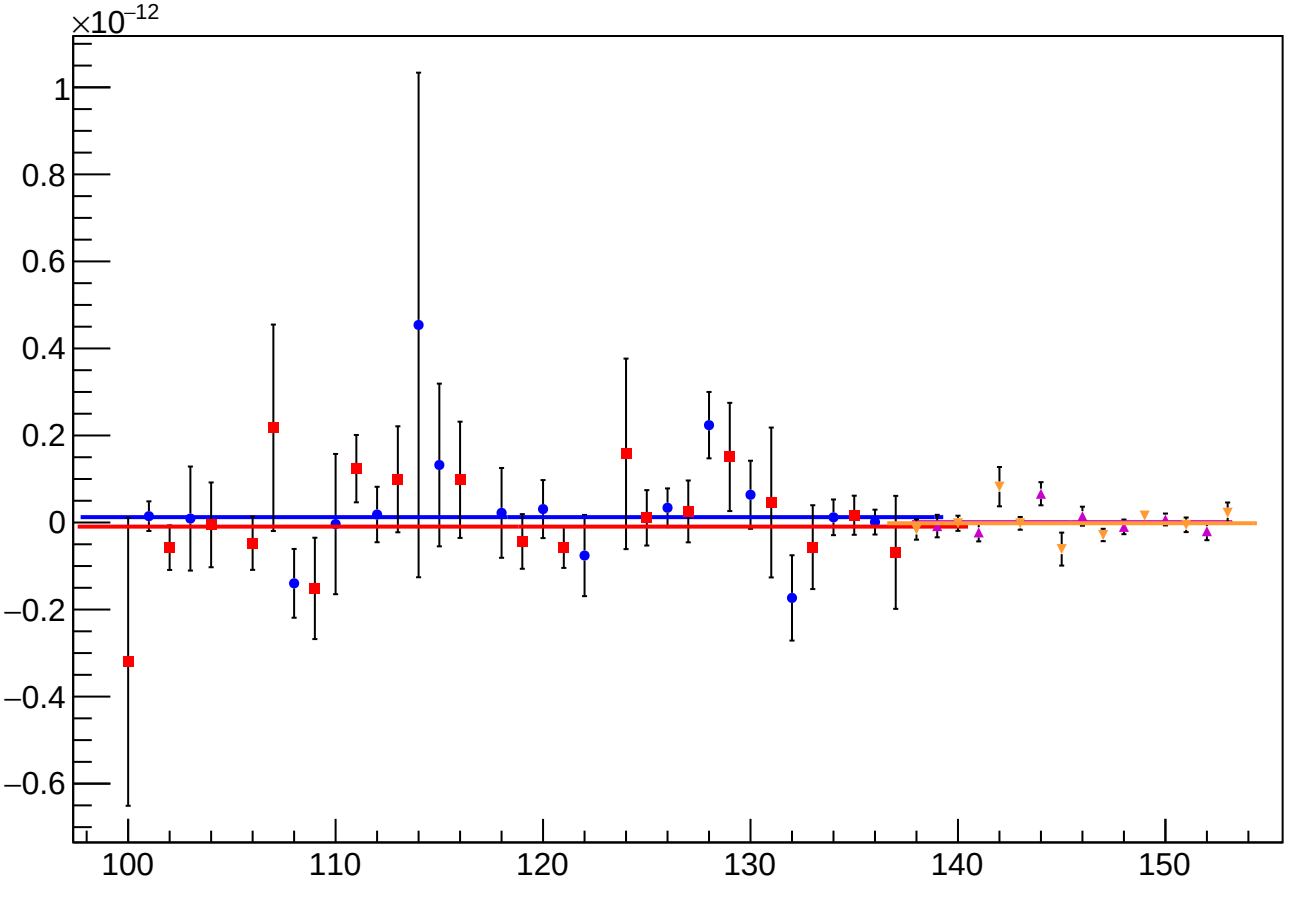
Left In: 1984.480+/-0.568 χ^2/NDF:65182.3/6

+ sign 2056.696+/-0.391 χ^2/NDF: 860681.4/24

All: 2065.242+/-0.282 χ^2/NDF: 1801869.3/50

- sign 2074.431+/-0.406 χ^2/NDF: 940197.0/25

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/8

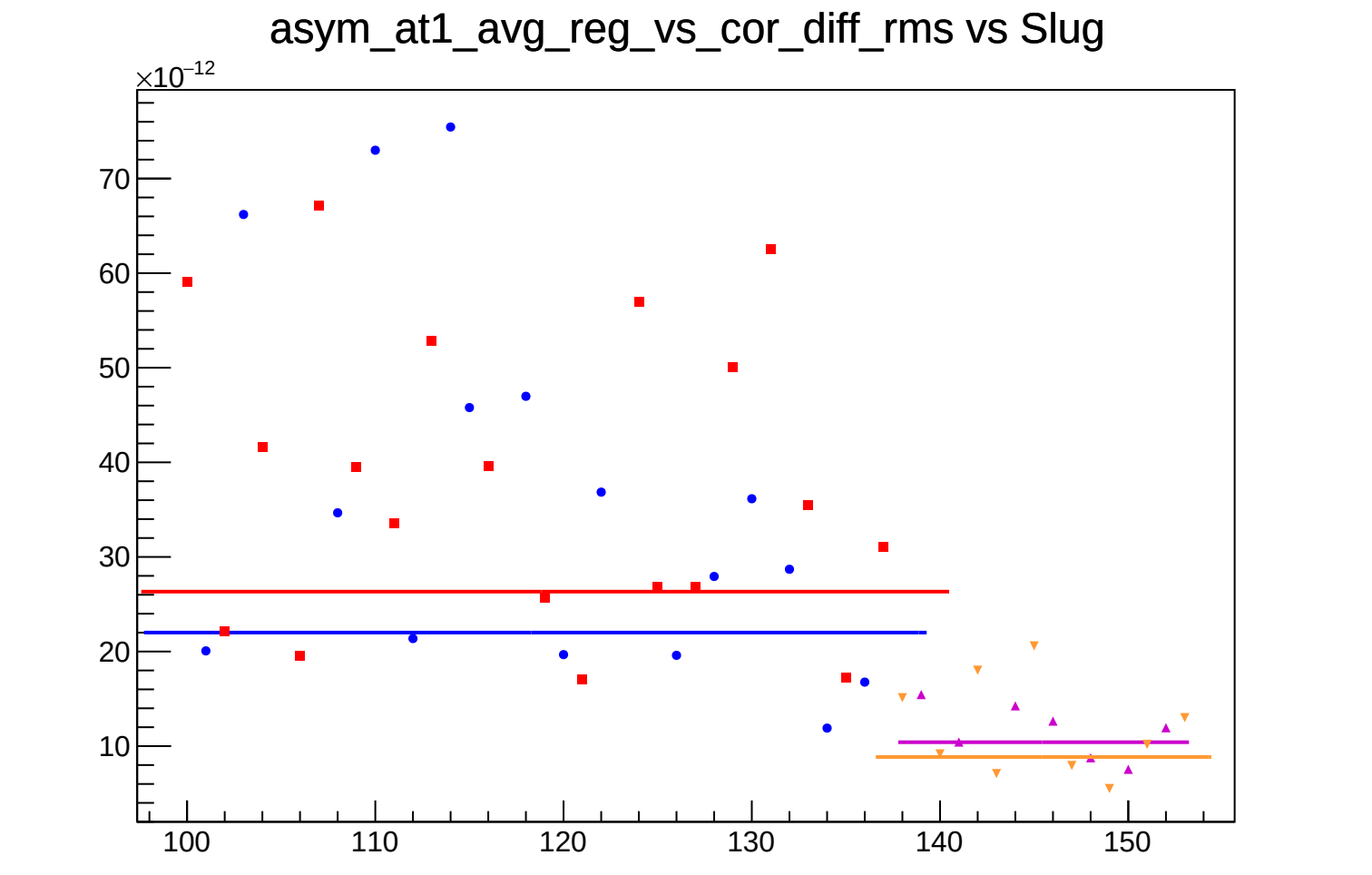
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/6

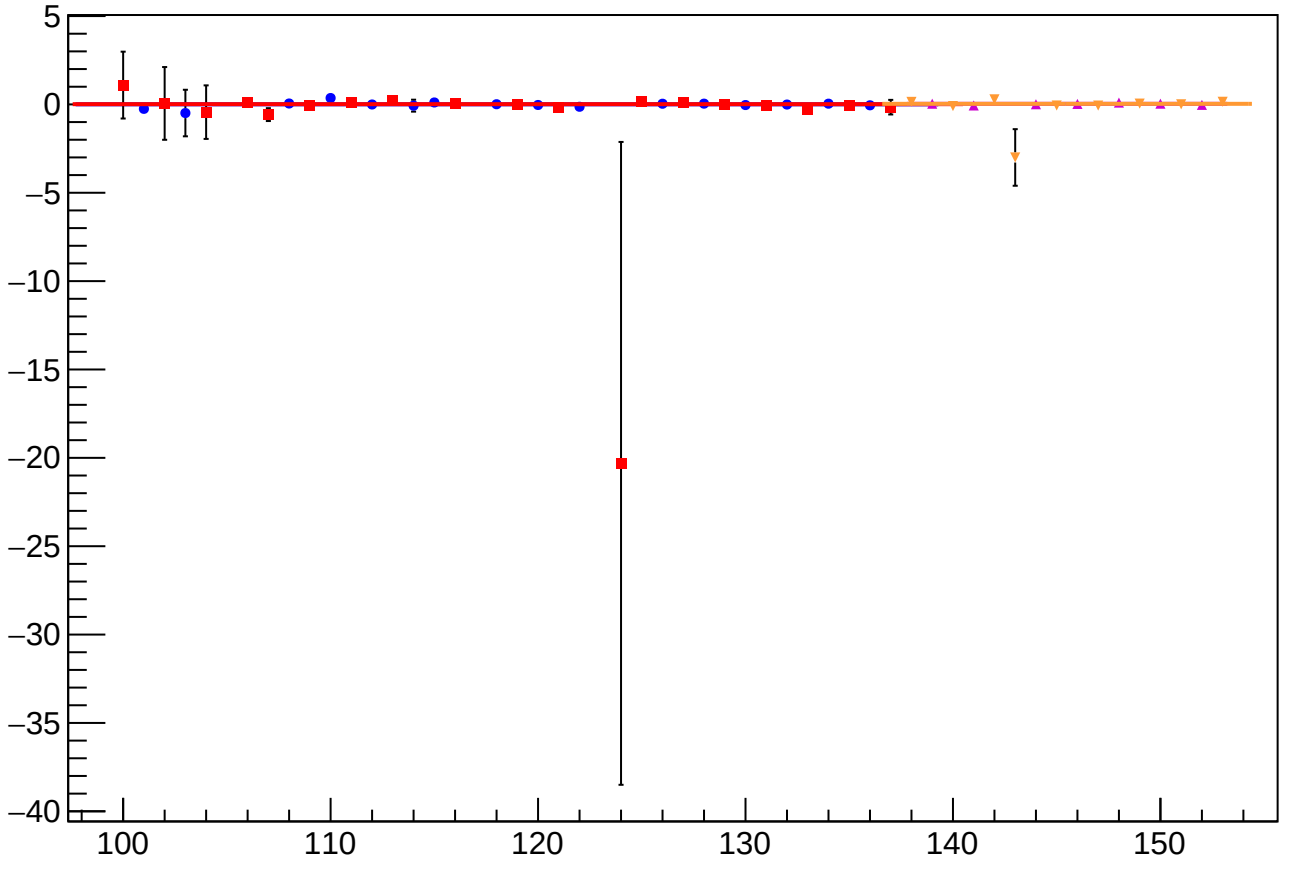
+ sign 0.000+/-0.000 χ^2/NDF: 31.8/24

All: -0.000+/-0.000 χ^2/NDF: 55.3/50

- sign -0.000+/-0.000 χ^2/NDF: 23.5/25


asym_at1_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:693237.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:256746.1/6
+ sign 0.000+/-0.000 χ²/NDF: 3099937.6/24
All: 0.000+/-0.000 χ²/NDF: 5503937.8/50
- sign 0.000+/-0.000 χ²/NDF: 2298753.4/25

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.032+/-0.022 χ^2/NDF:20.5/8

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

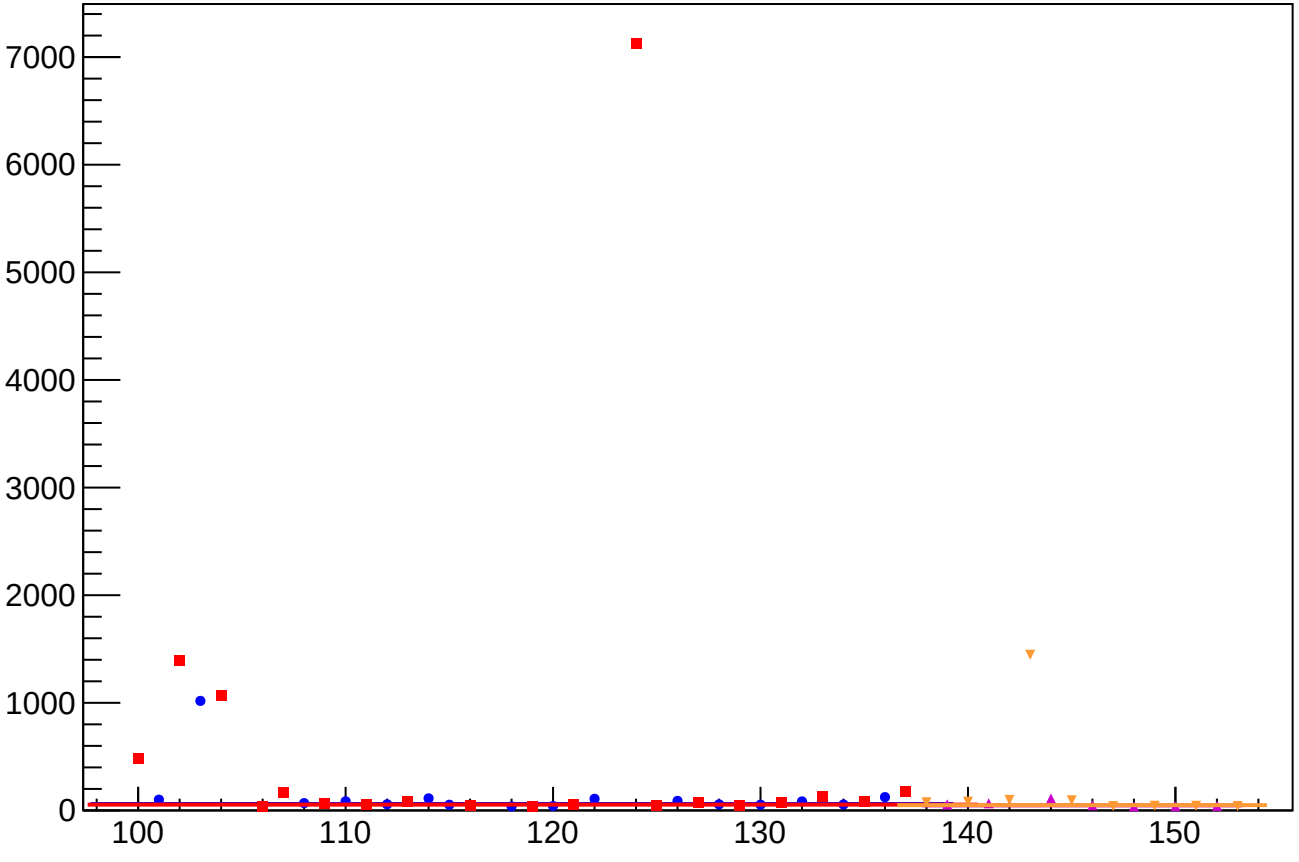
Left In: 0.031+/-0.022 χ^2/NDF:5.3/6

+ sign 0.021+/-0.017 χ^2/NDF: 32.5/24

All: 0.022+/-0.012 χ^2/NDF: 55.8/50

- sign 0.024+/-0.017 χ^2/NDF: 23.2/25

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 49.430+/-0.016 χ^2/NDF:2614500.8/8

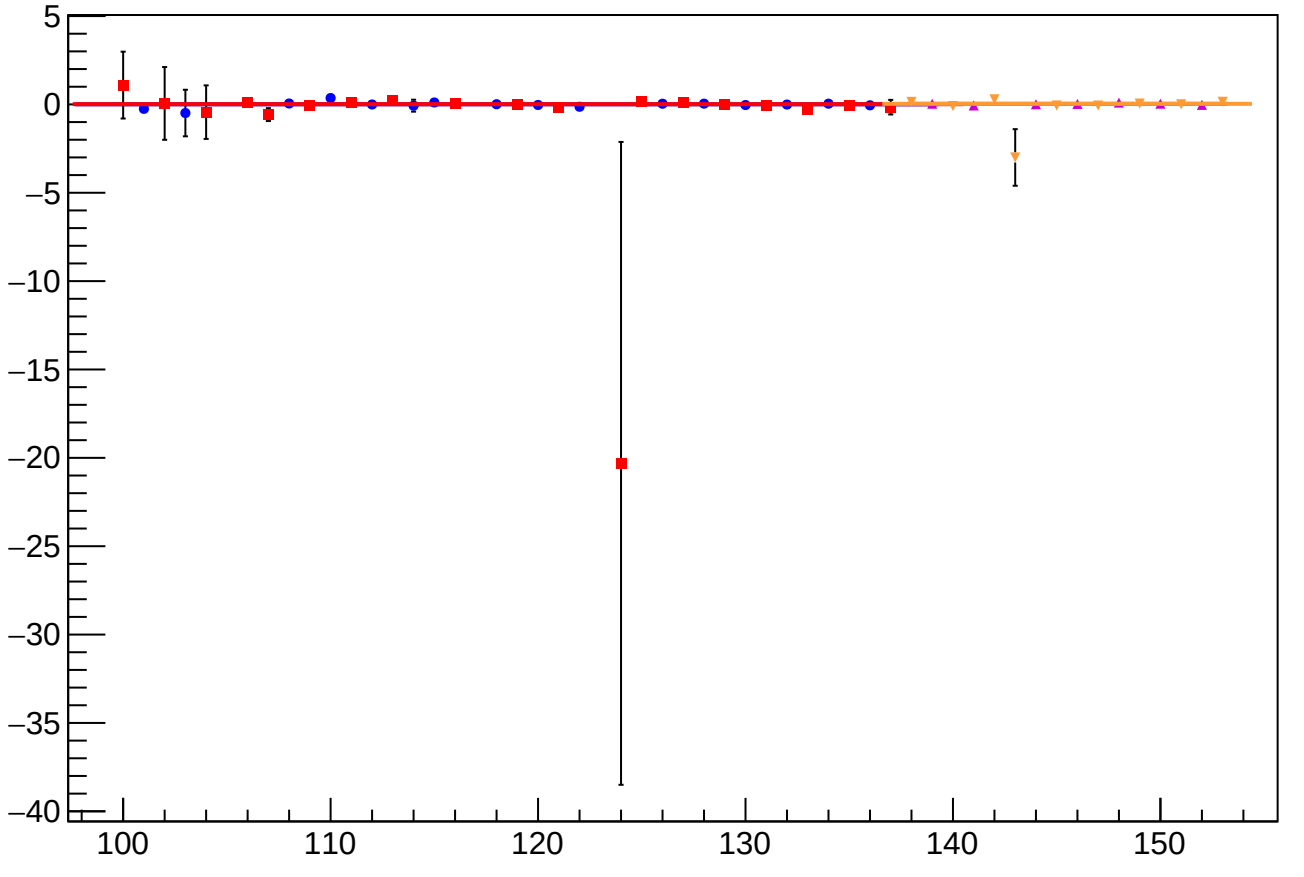
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 47.371+/-0.015 χ^2/NDF:885179.9/6

+ sign 53.716+/-0.012 χ^2/NDF: 5331975.5/24

All: 51.889+/-0.008 χ^2/NDF: 9866312.3/50

- sign 50.191+/-0.012 χ^2/NDF: 4490529.1/25



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.032+/-0.022 χ^2/NDF:20.5/8

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

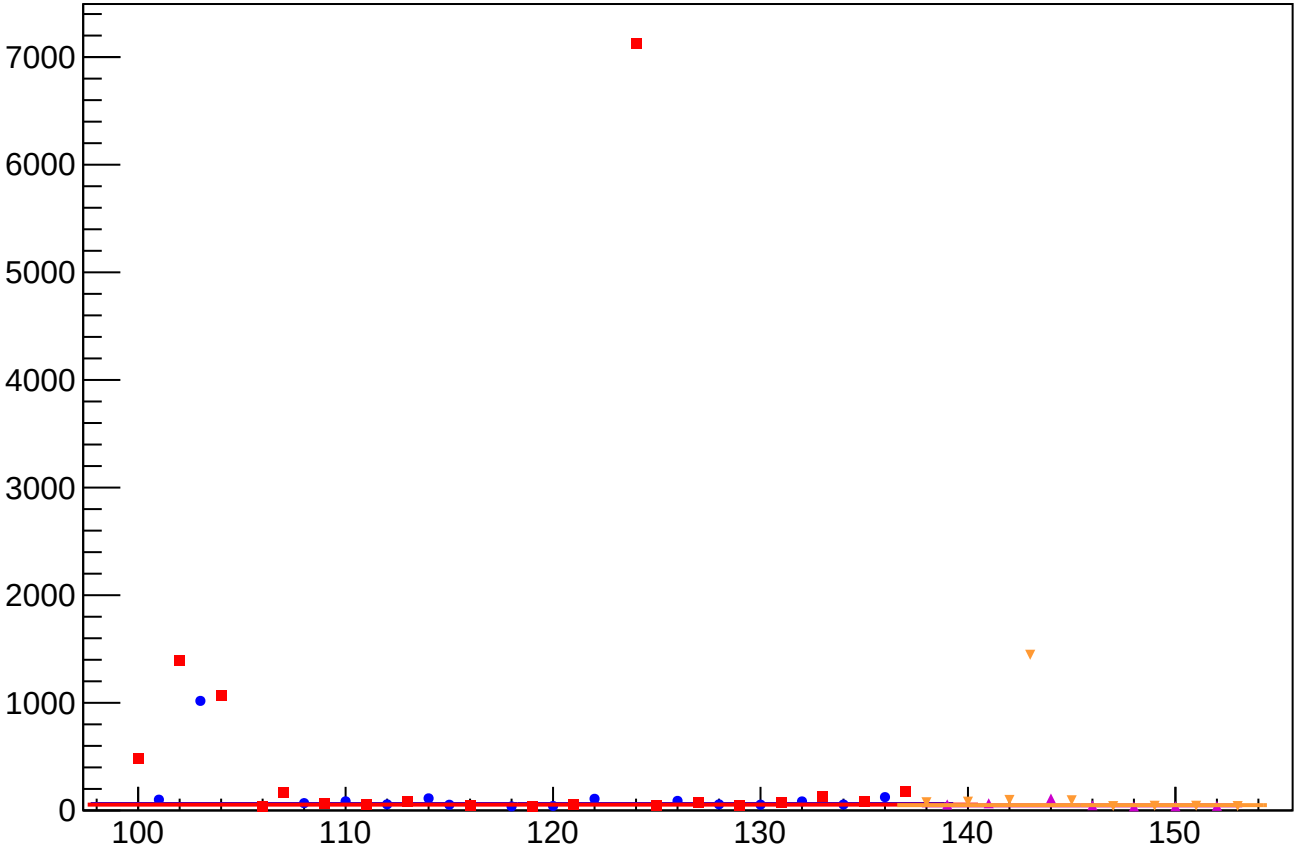
Left In: 0.031+/-0.022 χ^2/NDF:5.3/6

+ sign 0.021+/-0.017 χ^2/NDF: 32.5/24

All: 0.022+/-0.012 χ^2/NDF: 55.8/50

- sign 0.024+/-0.017 χ^2/NDF: 23.2/25

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 49.430+/-0.016 χ^2/NDF:2614500.8/8

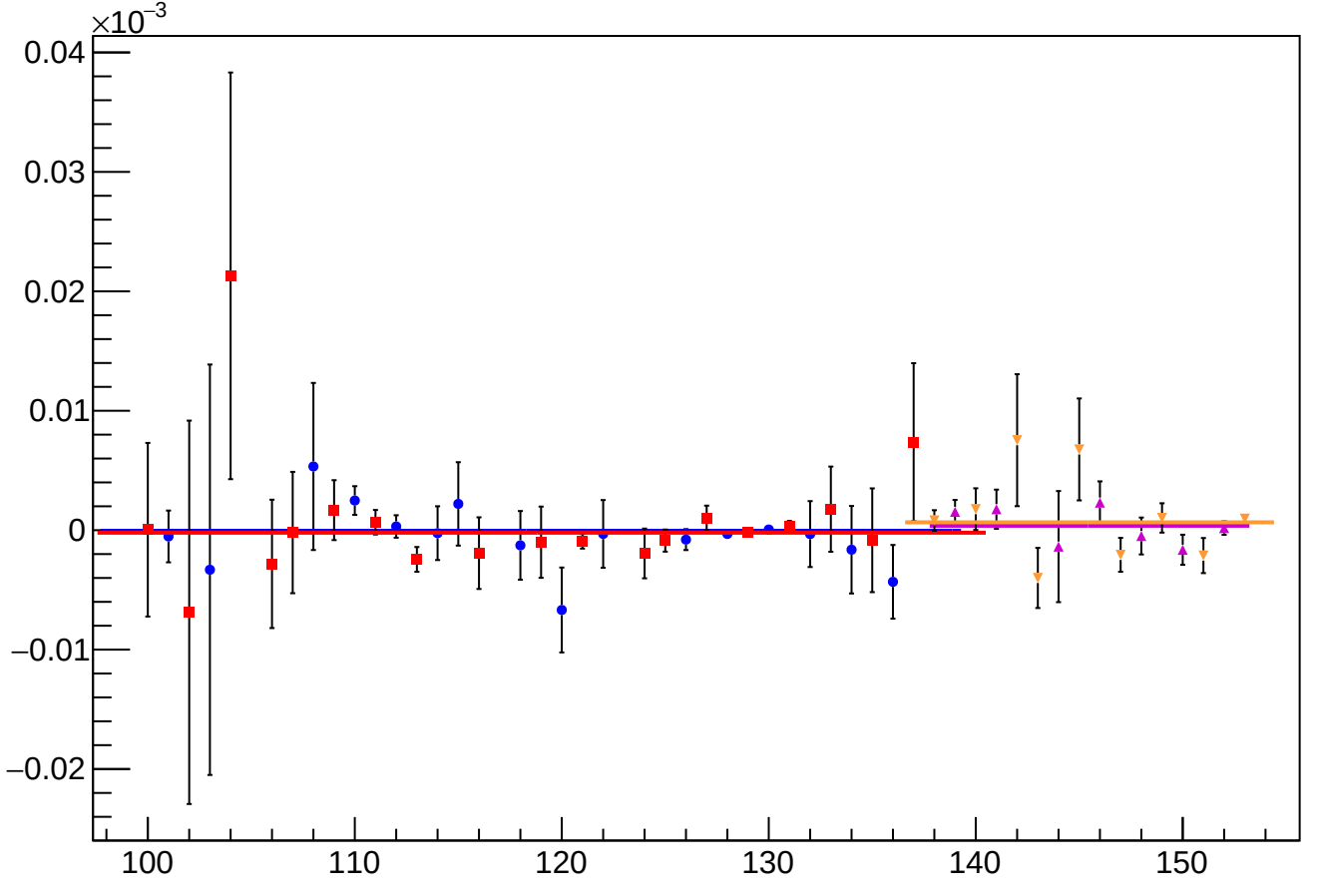
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 47.371+/-0.015 χ^2/NDF:885179.9/6

+ sign 53.716+/-0.012 χ^2/NDF: 5331975.5/24

All: 51.889+/-0.008 χ^2/NDF: 9866312.3/50

- sign 50.191+/-0.012 χ^2/NDF: 4490529.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/8

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

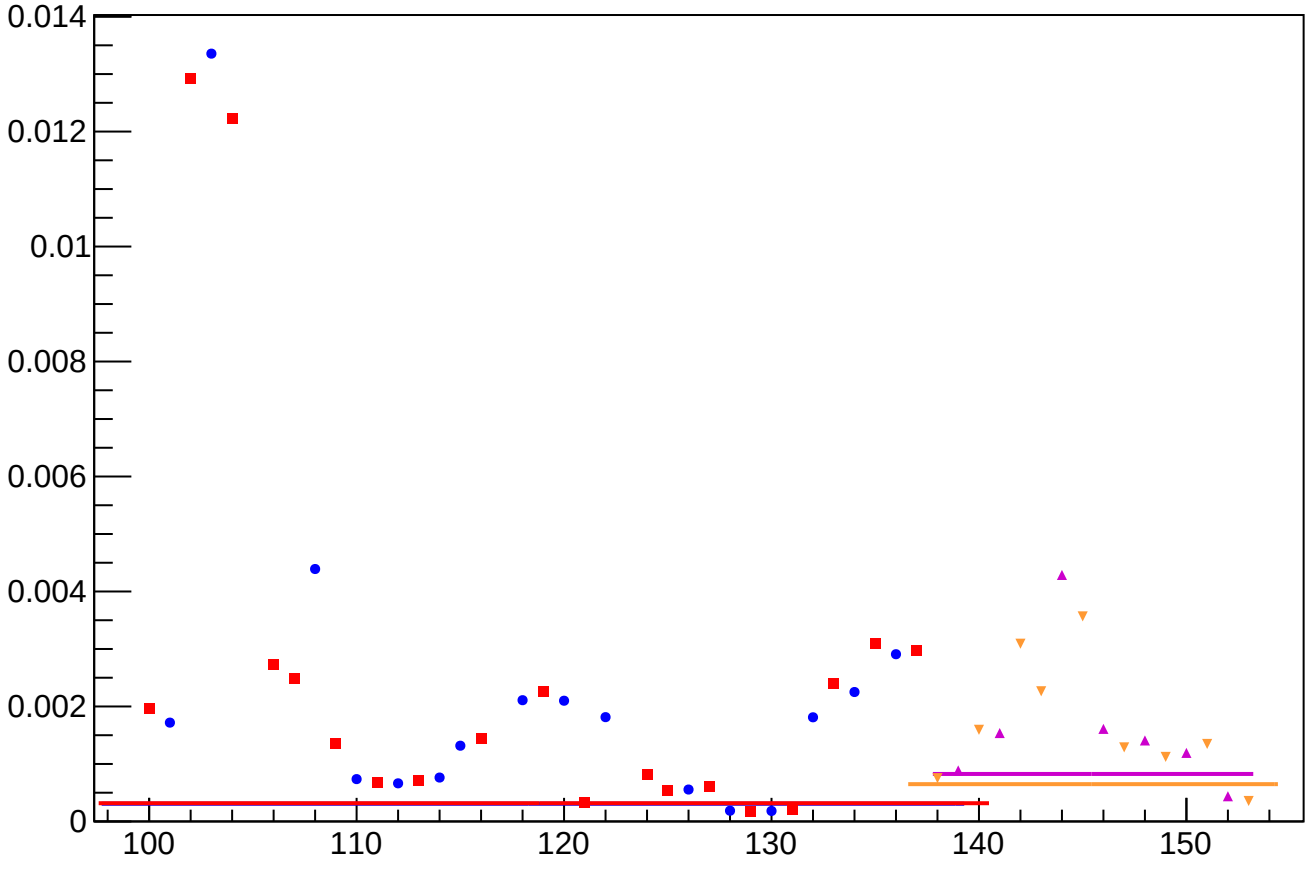
Left In: 0.000+/-0.000 χ^2/NDF:6.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 31.9/24

All: 0.000+/-0.000 χ^2/NDF: 56.7/50

- sign -0.000+/-0.000 χ^2/NDF: 23.7/25

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5040714.9/8

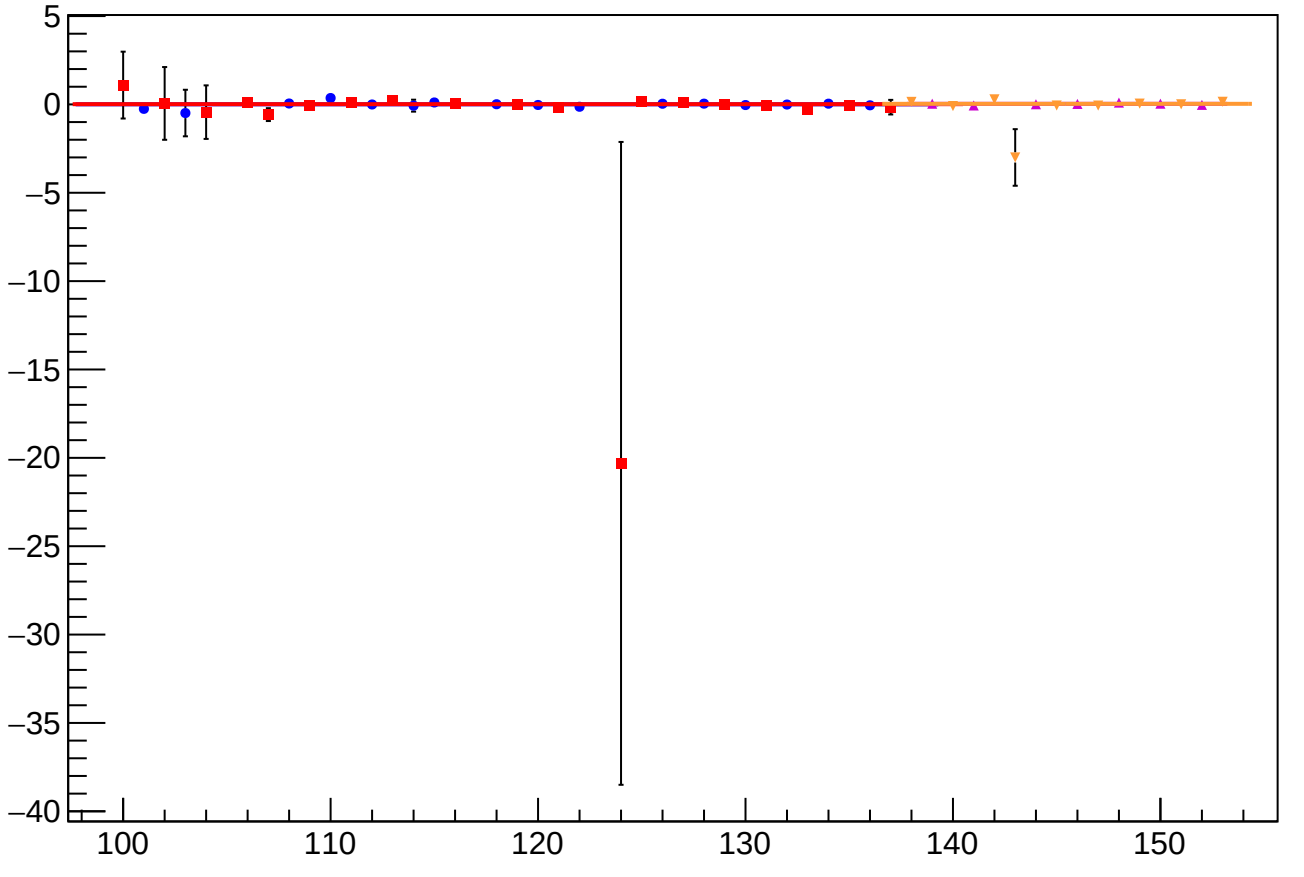
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:3273348.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 15491428.9/24

All: 0.000+/-0.000 χ^2/NDF: 29294361.6/50

- sign 0.000+/-0.000 χ^2/NDF: 13801016.7/25



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.032+/-0.022 χ^2/NDF:20.5/8

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

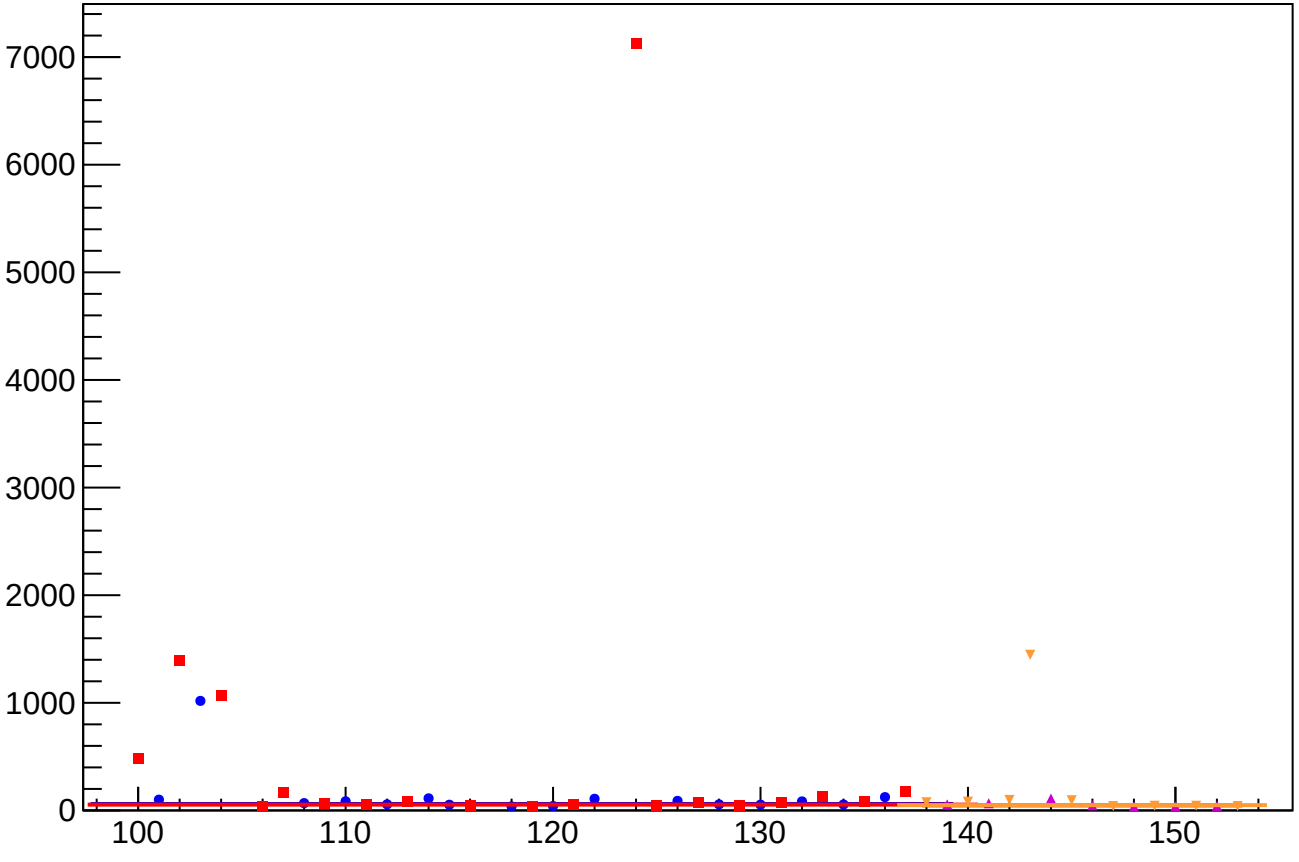
Left In: 0.031+/-0.022 χ^2/NDF:5.3/6

+ sign 0.021+/-0.017 χ^2/NDF: 32.5/24

All: 0.022+/-0.012 χ^2/NDF: 55.8/50

- sign 0.024+/-0.017 χ^2/NDF: 23.2/25

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 49.430+/-0.016 χ^2/NDF:2614483.6/8

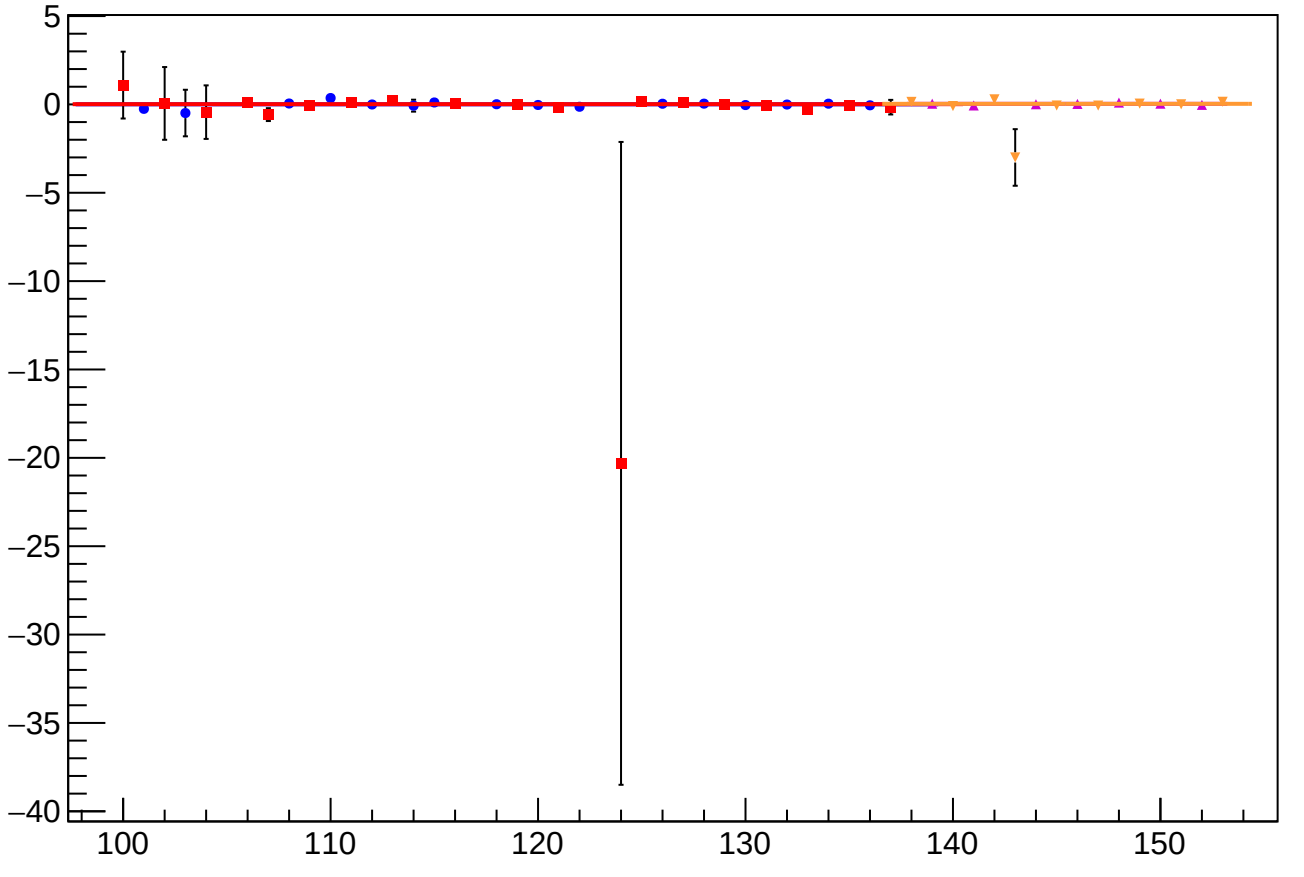
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 47.371+/-0.015 χ^2/NDF:885180.1/6

+ sign 53.716+/-0.012 χ^2/NDF: 5331956.9/24

All: 51.889+/-0.008 χ^2/NDF: 9866341.6/50

- sign 50.191+/-0.012 χ^2/NDF: 4490564.9/25



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.032+/-0.022 χ^2/NDF:20.5/8

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

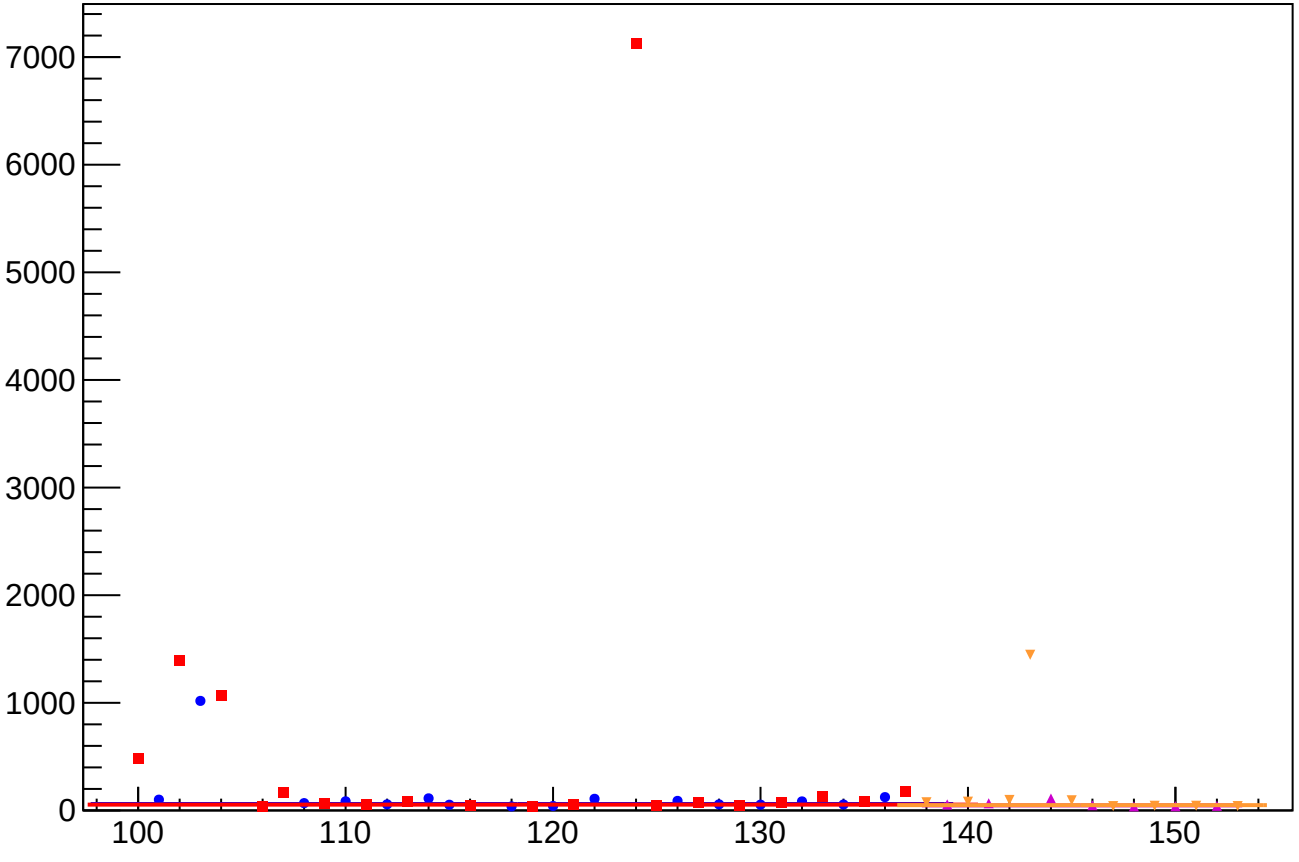
Left In: 0.031+/-0.022 χ^2/NDF:5.3/6

+ sign 0.021+/-0.017 χ^2/NDF: 32.5/24

All: 0.022+/-0.012 χ^2/NDF: 55.8/50

- sign 0.024+/-0.017 χ^2/NDF: 23.2/25

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 49.430+/-0.016 χ^2/NDF:2614483.6/8

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

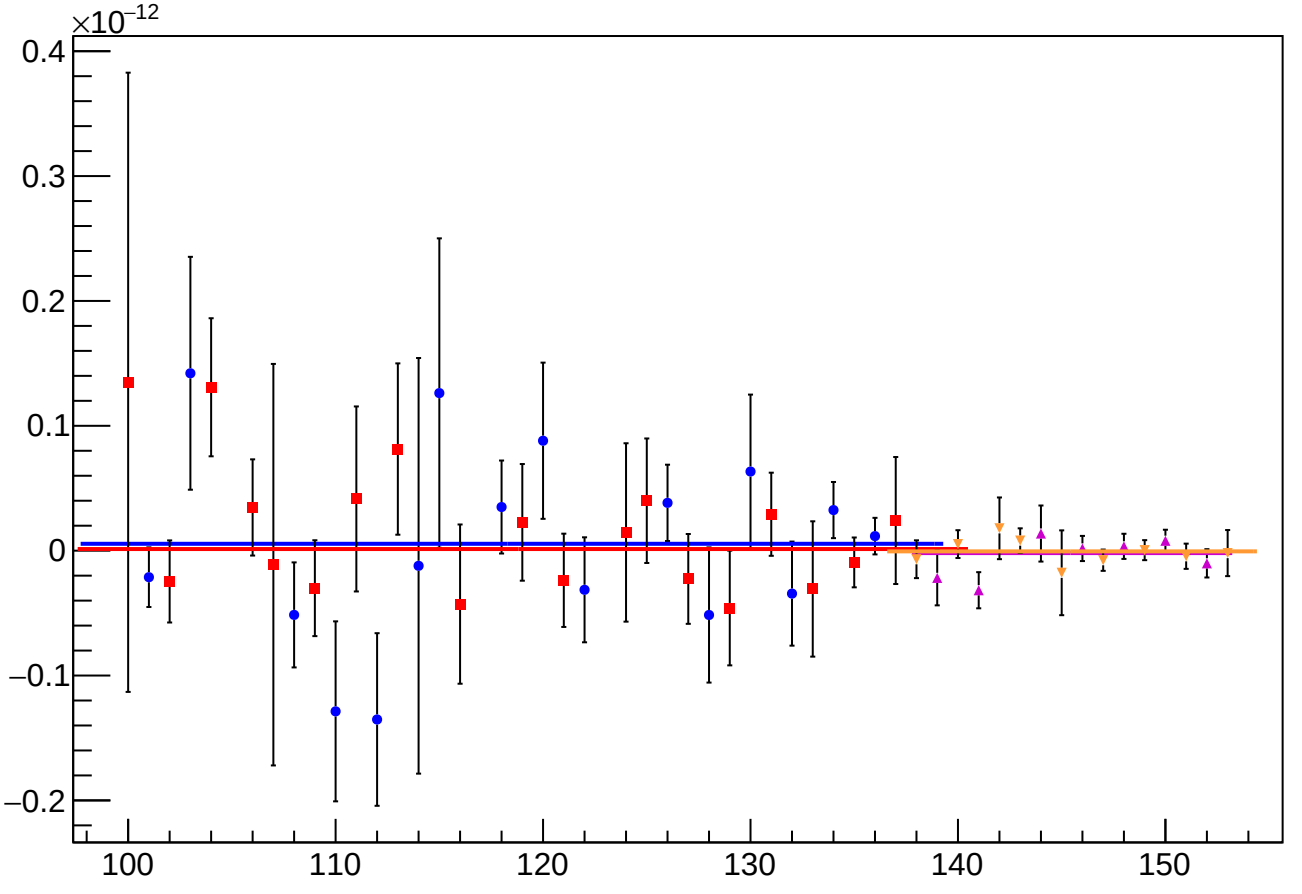
Left In: 47.371+/-0.015 χ^2/NDF:885180.1/6

+ sign 53.716+/-0.012 χ^2/NDF: 5331956.9/24

All: 51.889+/-0.008 χ^2/NDF: 9866341.6/50

- sign 50.191+/-0.012 χ^2/NDF: 4490564.9/25

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/8

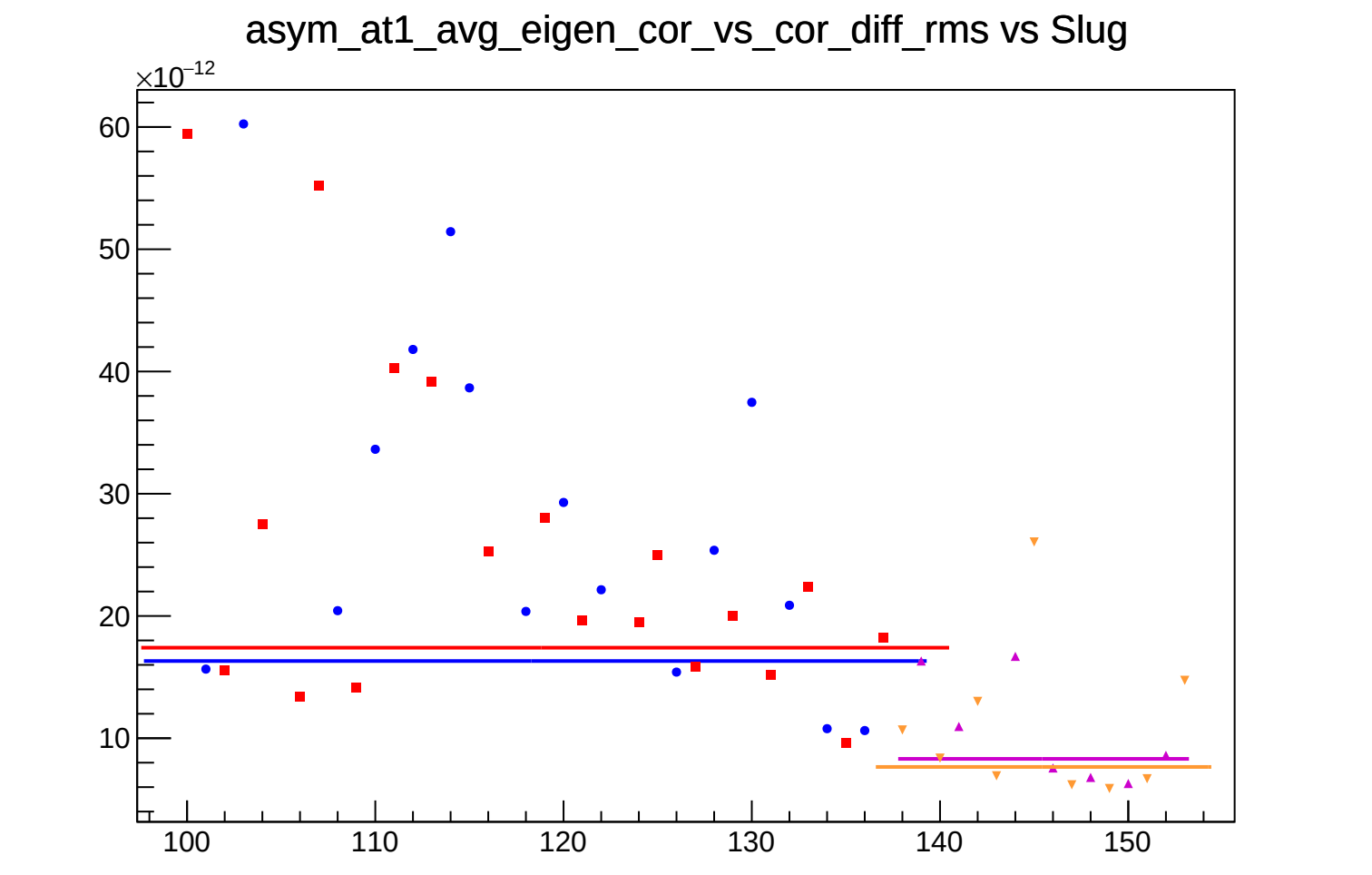
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 25.9/24

All: -0.000+/-0.000 χ^2/NDF: 48.1/50

- sign -0.000+/-0.000 χ^2/NDF: 22.1/25


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
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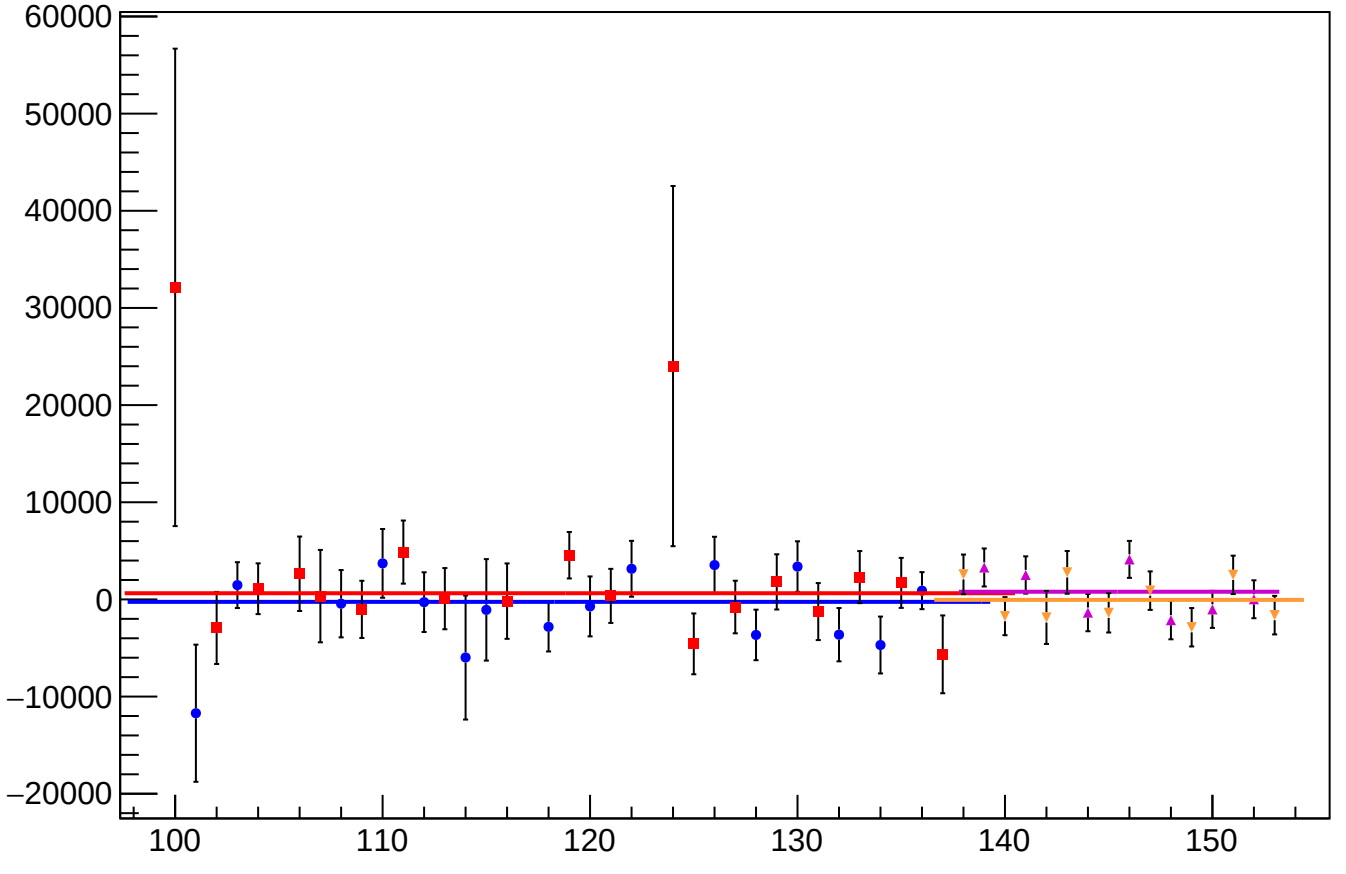
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1249396.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:772498.8/6
+ sign 0.000+/-0.000 χ²/NDF: 4819937.5/24
All: 0.000+/-0.000 χ²/NDF: 8262041.7/50
- sign 0.000+/-0.000 χ²/NDF: 3395669.5/25

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -47.635+/-688.931 χ^2/NDF:9.5/8

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

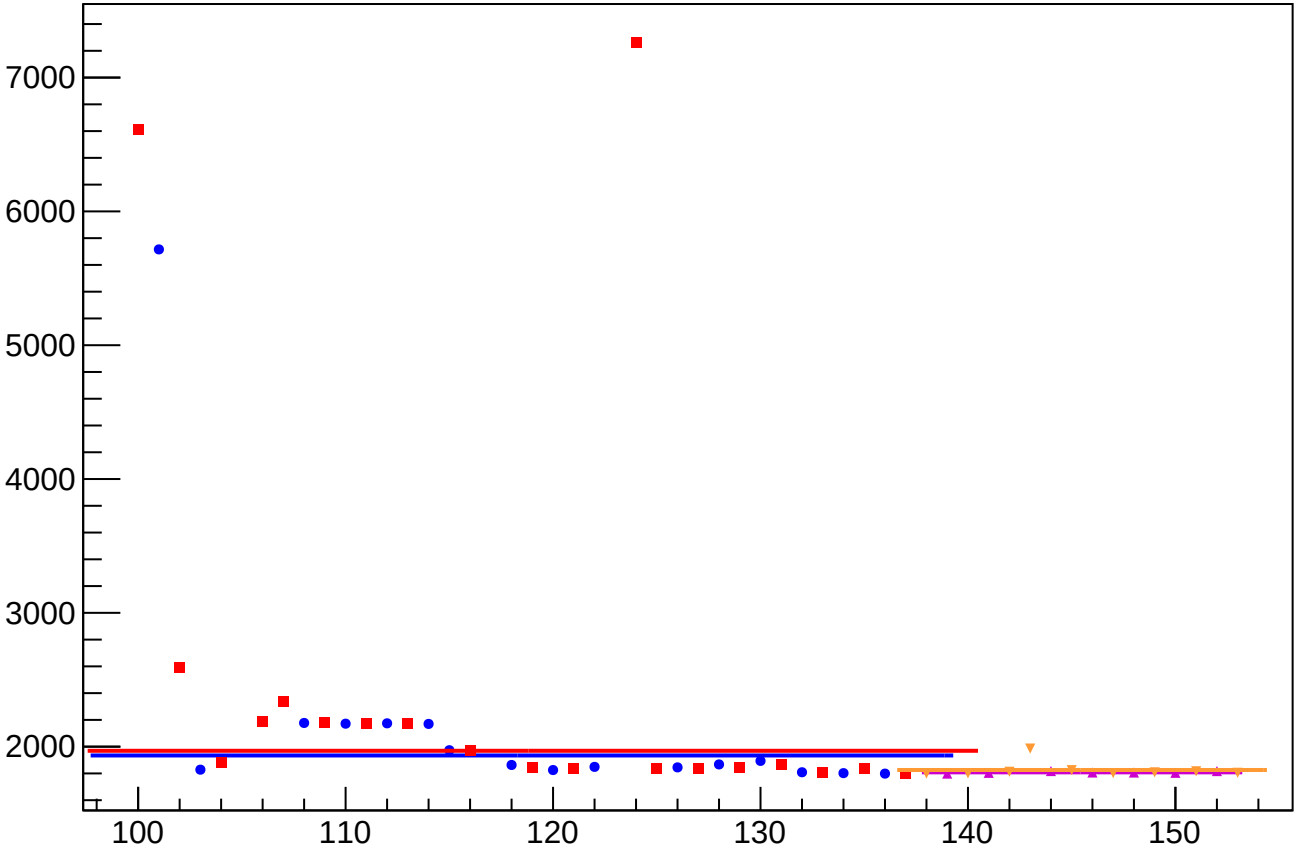
Left In: 789.877+/-729.716 χ^2/NDF:10.0/6

+ sign -142.868+/-502.681 χ^2/NDF: 26.8/24

All: 272.497+/-360.747 χ^2/NDF: 54.2/50

- sign 713.584+/-518.012 χ^2/NDF: 26.0/25

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1825.614+/-0.487 χ^2/NDF:12041.7/8

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

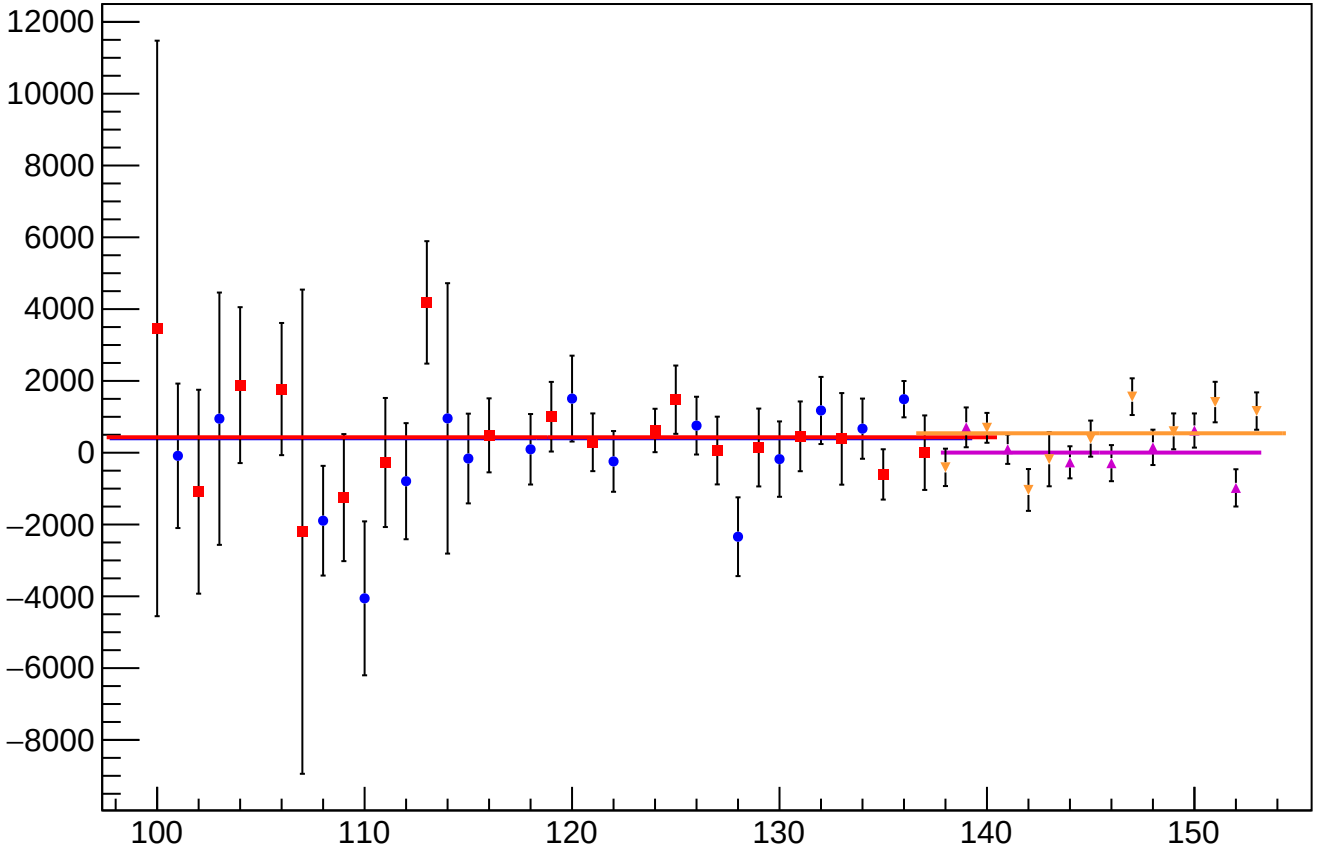
Left In: 1808.112+/-0.516 χ^2/NDF:158.5/6

+ sign 1876.397+/-0.355 χ^2/NDF: 675201.7/24

All: 1882.036+/-0.255 χ^2/NDF: 1102610.0/50

- sign 1888.025+/-0.366 χ^2/NDF: 426889.4/25

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 541.423+/-174.594 χ^2/NDF:19.6/8

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

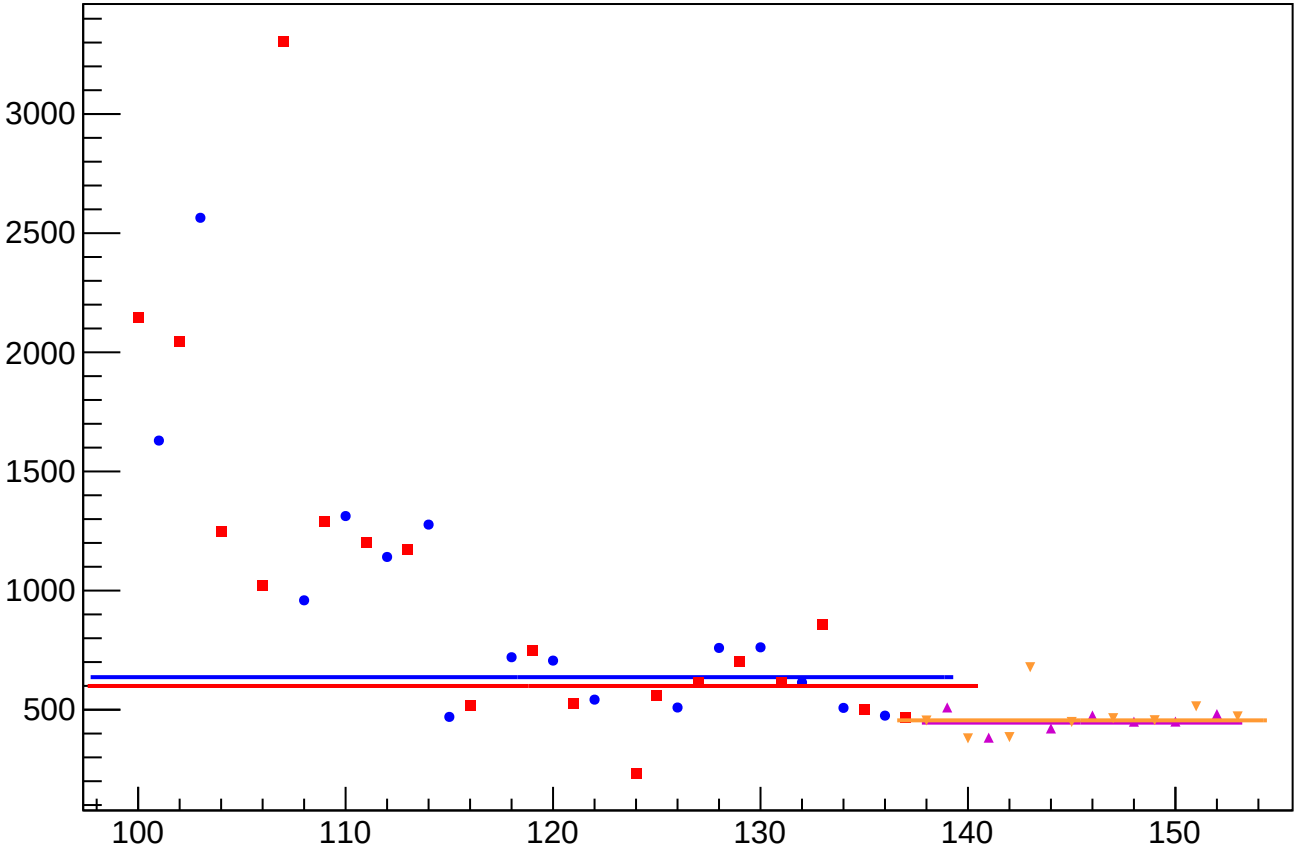
Left In: 3.339+/-181.319 χ^2/NDF:7.7/6

+ sign 497.959+/-144.697 χ^2/NDF: 40.9/24

All: 326.286+/-103.239 χ^2/NDF: 65.1/50

- sign 148.276+/-147.344 χ^2/NDF: 21.3/25

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 455.395+/-0.123 χ^2/NDF:294782.0/8

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

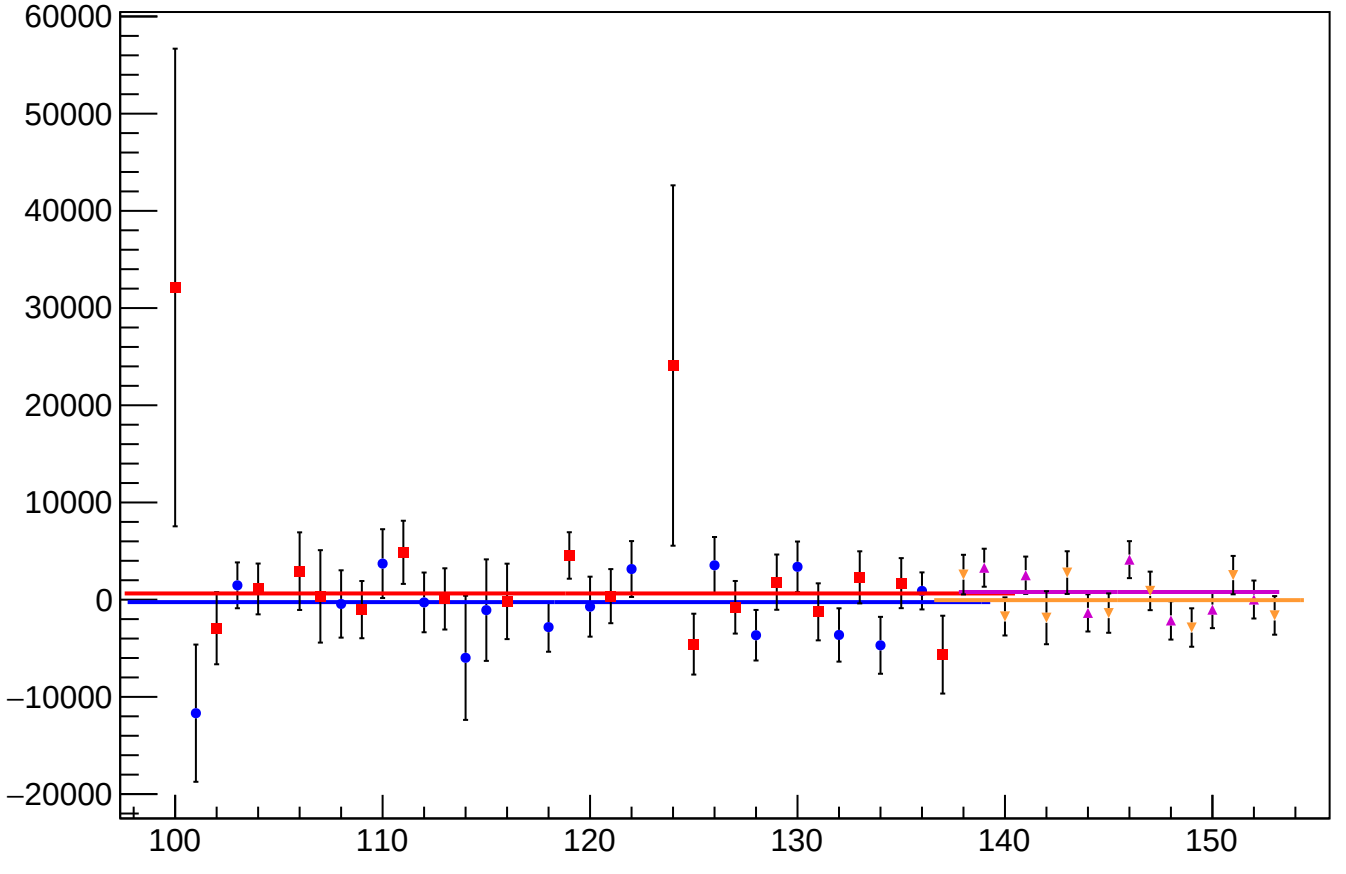
Left In: 445.796+/-0.128 χ^2/NDF:96857.3/6

+ sign 512.170+/-0.102 χ^2/NDF: 3037046.2/24

All: 505.236+/-0.073 χ^2/NDF: 6576328.9/50

- sign 498.046+/-0.104 χ^2/NDF: 3529927.1/25

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -47.731+/-688.931 χ^2/NDF:9.5/8

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

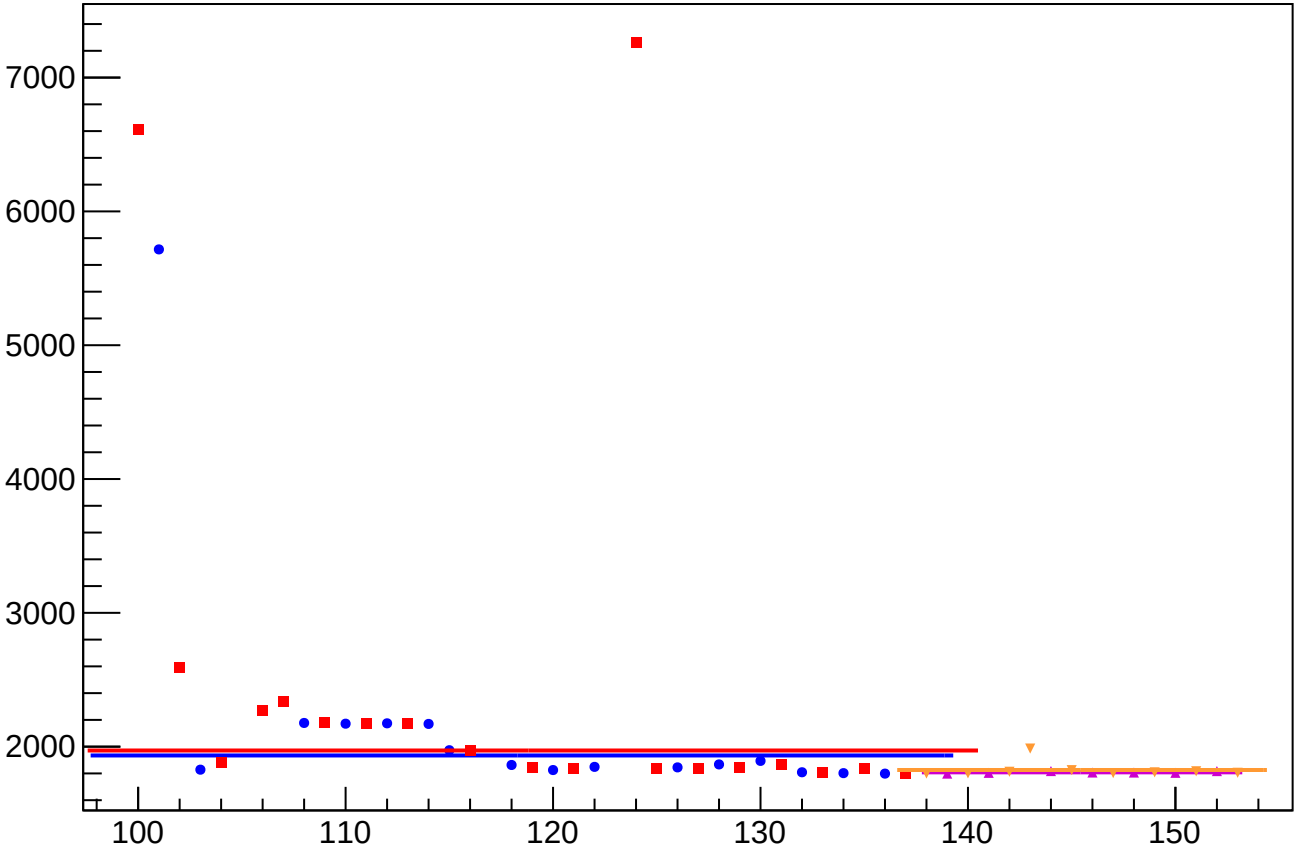
Left In: 789.903+/-729.716 χ^2/NDF:10.0/6

+ sign -142.541+/-502.681 χ^2/NDF: 26.8/24

All: 273.566+/-360.874 χ^2/NDF: 54.2/50

- sign 716.078+/-518.386 χ^2/NDF: 26.0/25

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1825.614+/-0.487 χ^2/NDF:12041.7/8

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

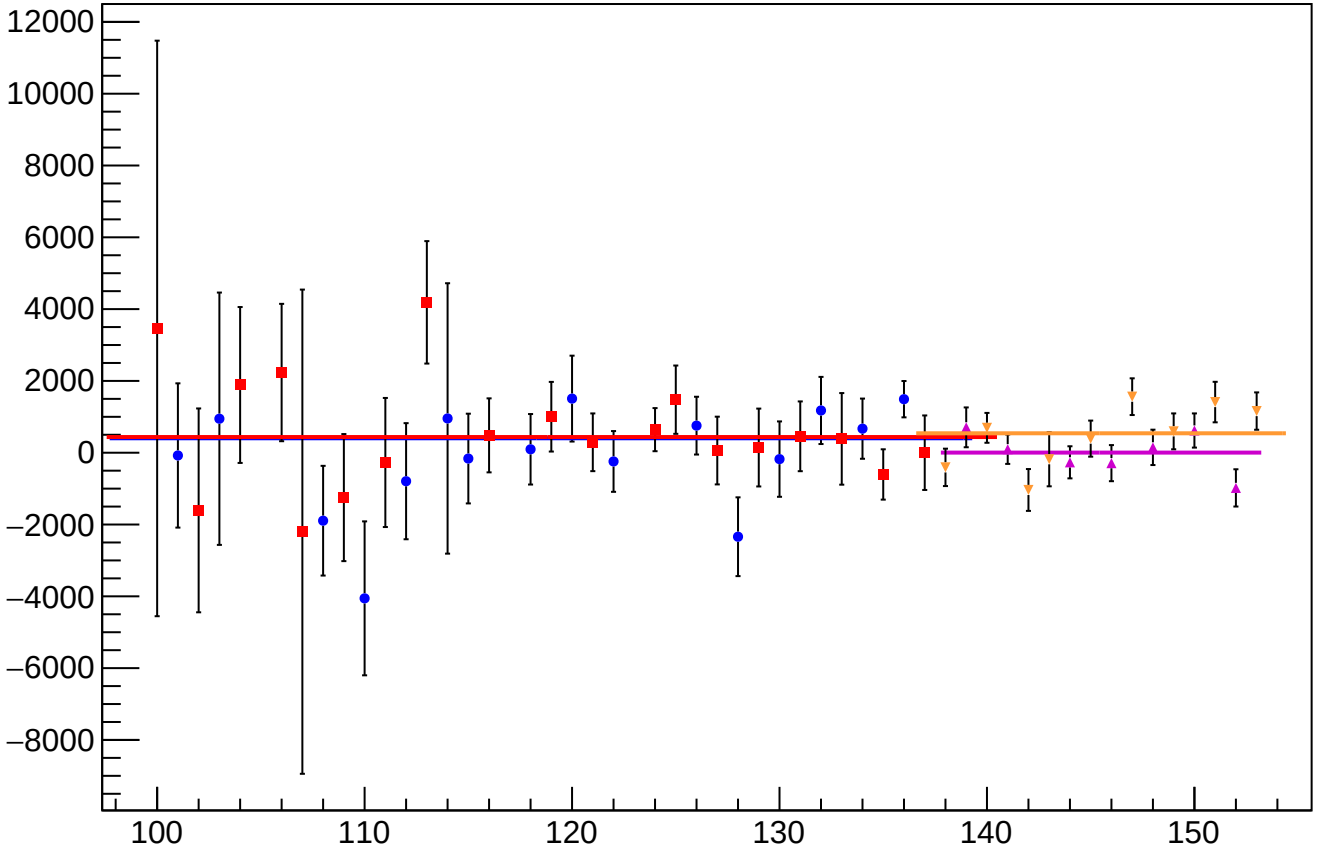
Left In: 1808.112+/-0.516 χ^2/NDF:158.5/6

+ sign 1876.397+/-0.355 χ^2/NDF: 675201.6/24

All: 1882.492+/-0.255 χ^2/NDF: 1108723.4/50

- sign 1888.974+/-0.367 χ^2/NDF: 432915.2/25

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 541.367+/-174.596 χ^2/NDF:19.6/8

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

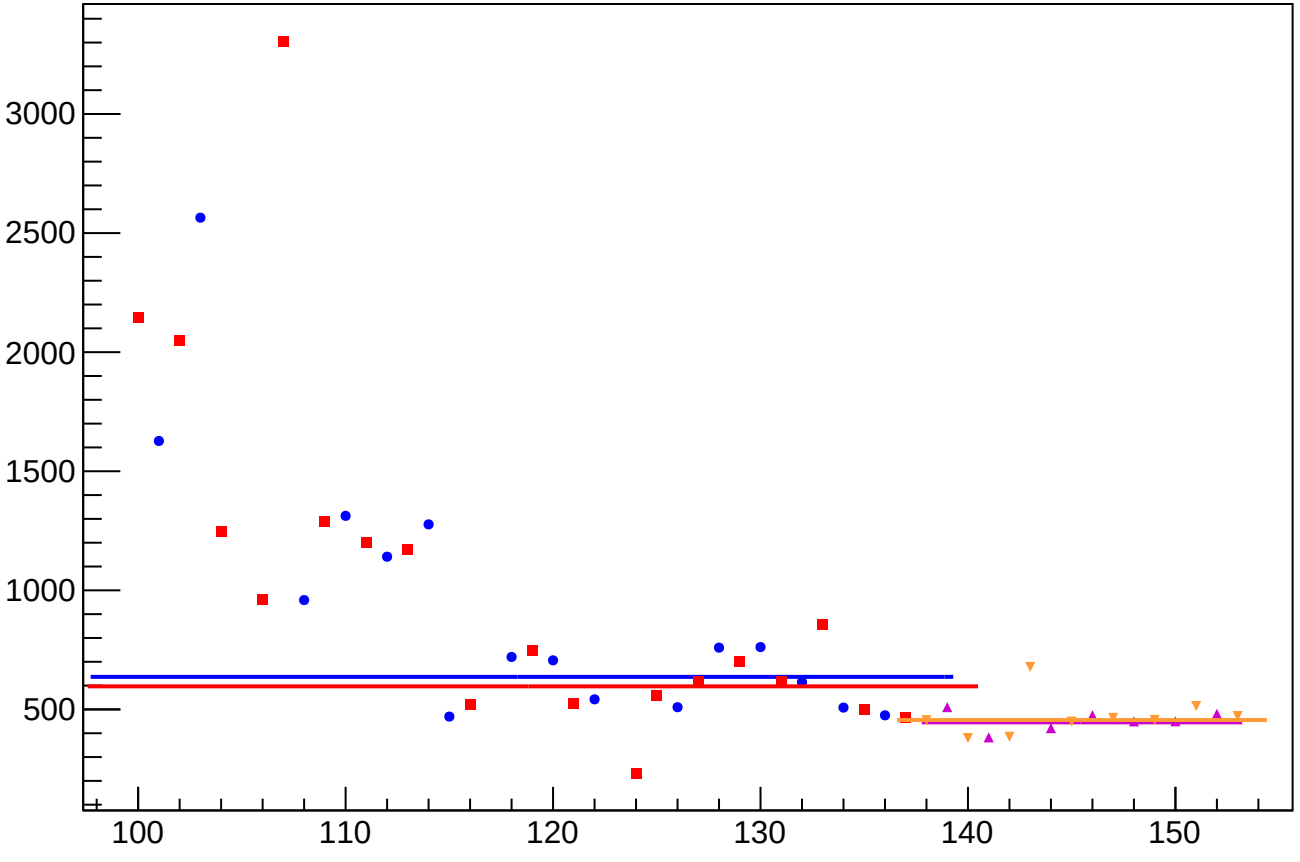
Left In: 3.431+/-181.316 χ^2/NDF:7.7/6

+ sign 497.941+/-144.696 χ^2/NDF: 40.9/24

All: 327.430+/-103.228 χ^2/NDF: 65.8/50

- sign 150.699+/-147.312 χ^2/NDF: 22.0/25

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 455.400+/-0.123 χ^2/NDF:294729.1/8

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

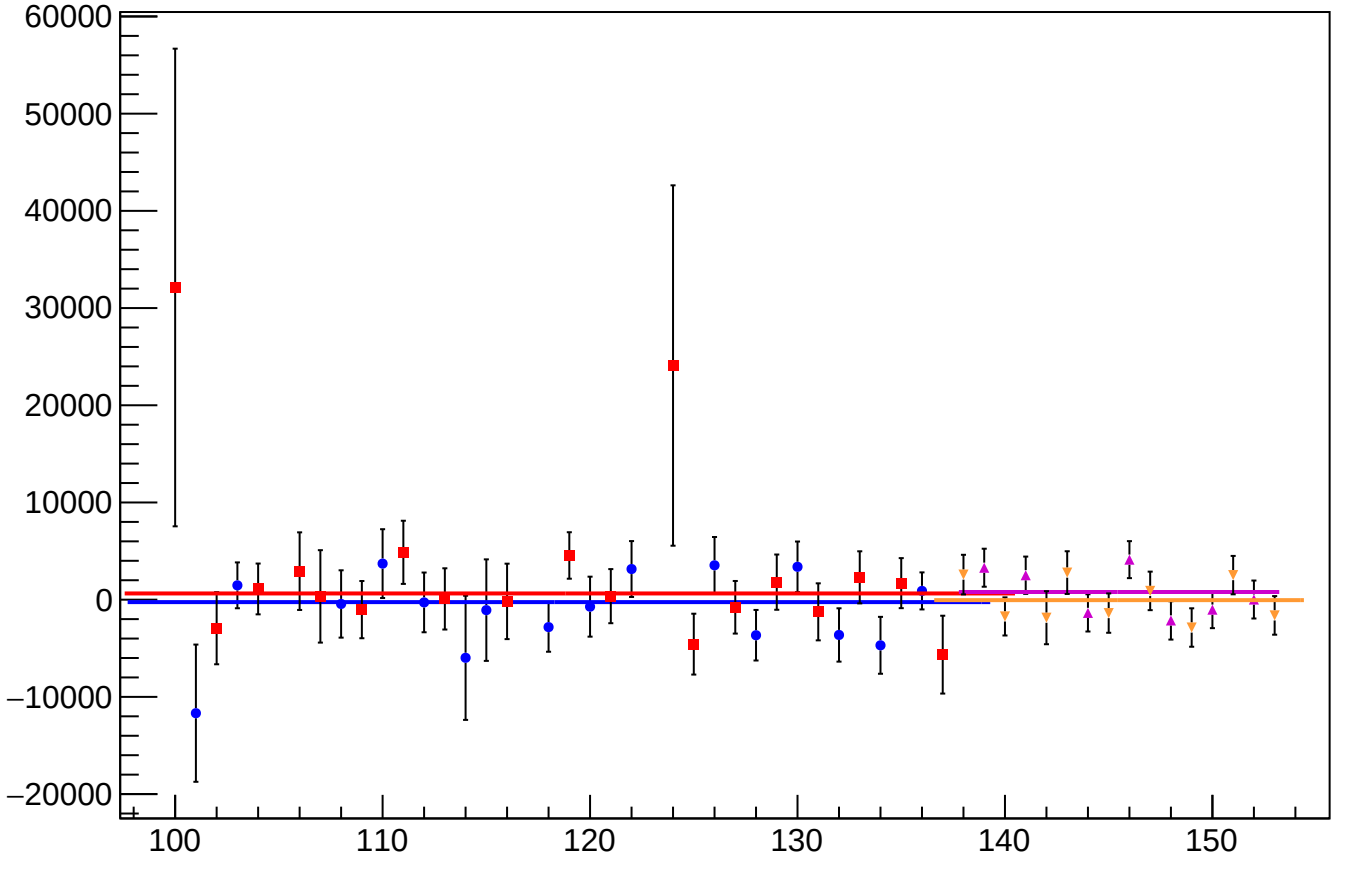
Left In: 445.788+/-0.128 χ^2/NDF:96853.2/6

+ sign 512.178+/-0.102 χ^2/NDF: 3036100.2/24

All: 504.793+/-0.073 χ^2/NDF: 6545957.9/50

- sign 497.139+/-0.104 χ^2/NDF: 3499249.4/25

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -47.731+/-688.931 χ^2/NDF:9.5/8

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

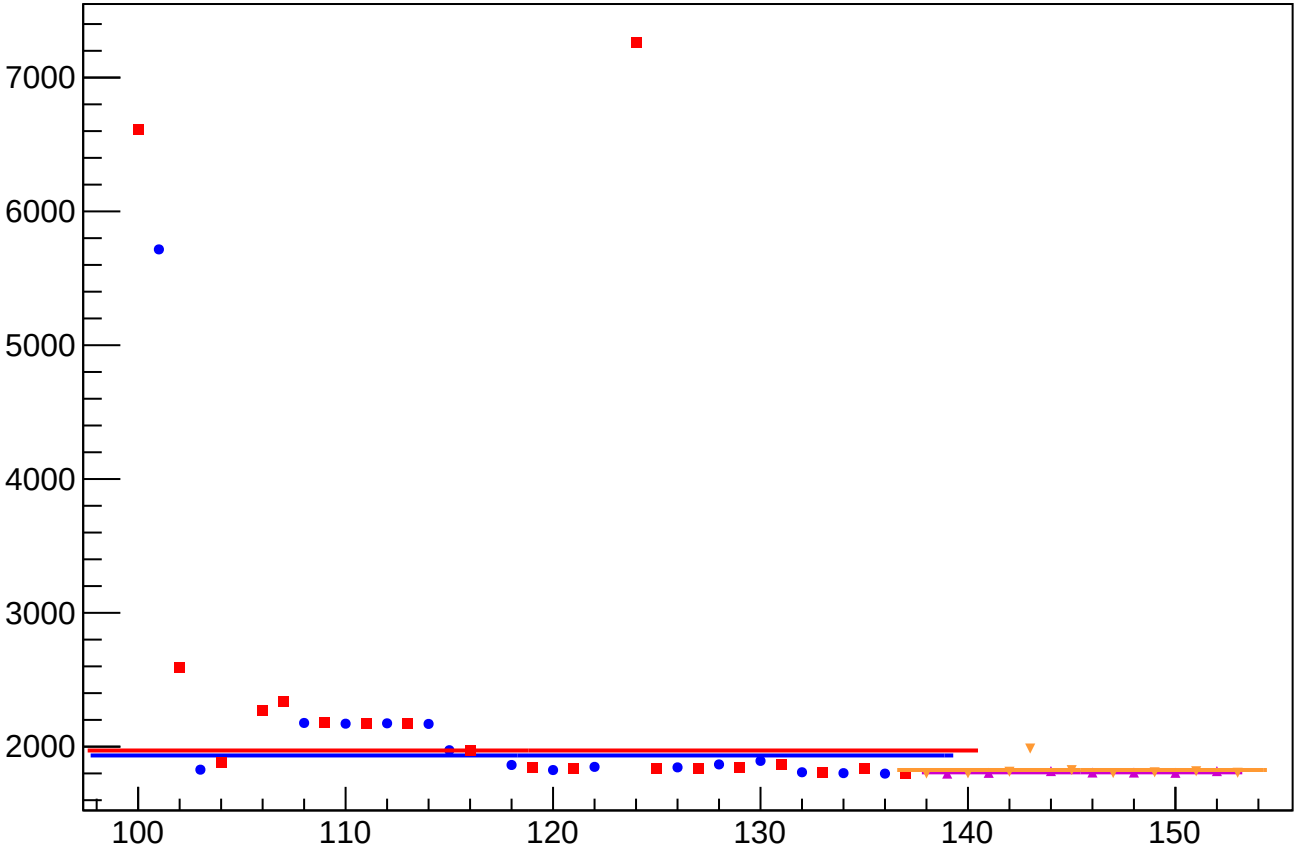
Left In: 789.903+/-729.716 χ^2/NDF:10.0/6

+ sign -142.541+/-502.681 χ^2/NDF: 26.8/24

All: 273.566+/-360.874 χ^2/NDF: 54.2/50

- sign 716.078+/-518.386 χ^2/NDF: 26.0/25

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1825.614+/-0.487 χ^2/NDF:12041.7/8

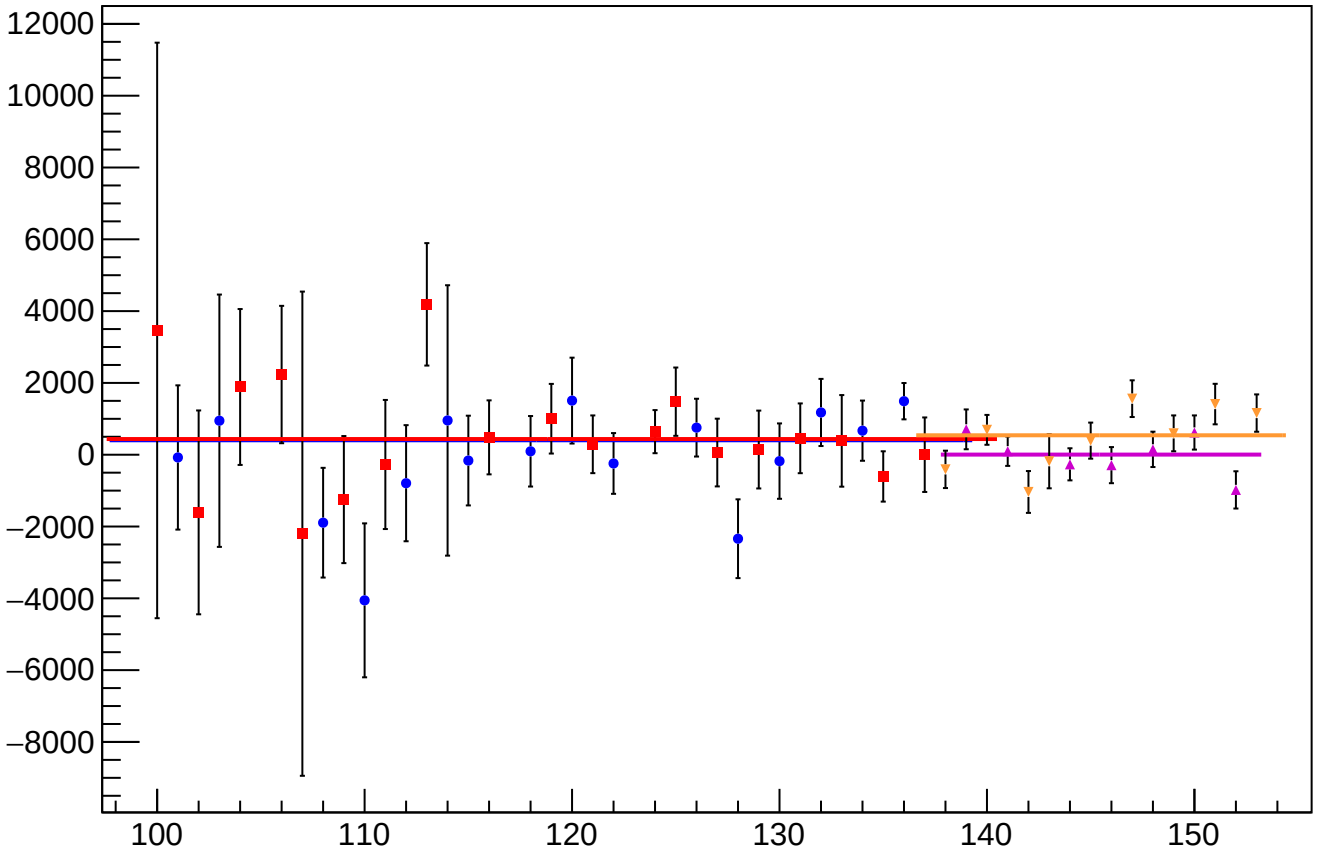
Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1808.112+/-0.516 χ^2/NDF:158.5/6

+ sign 1876.397+/-0.355 χ^2/NDF: 675201.6/24

All: 1882.492+/-0.255 χ^2/NDF: 1108723.4/50

- sign 1888.974+/-0.367 χ^2/NDF: 432915.2/25



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 541.367+/-174.596 χ^2/NDF:19.6/8

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

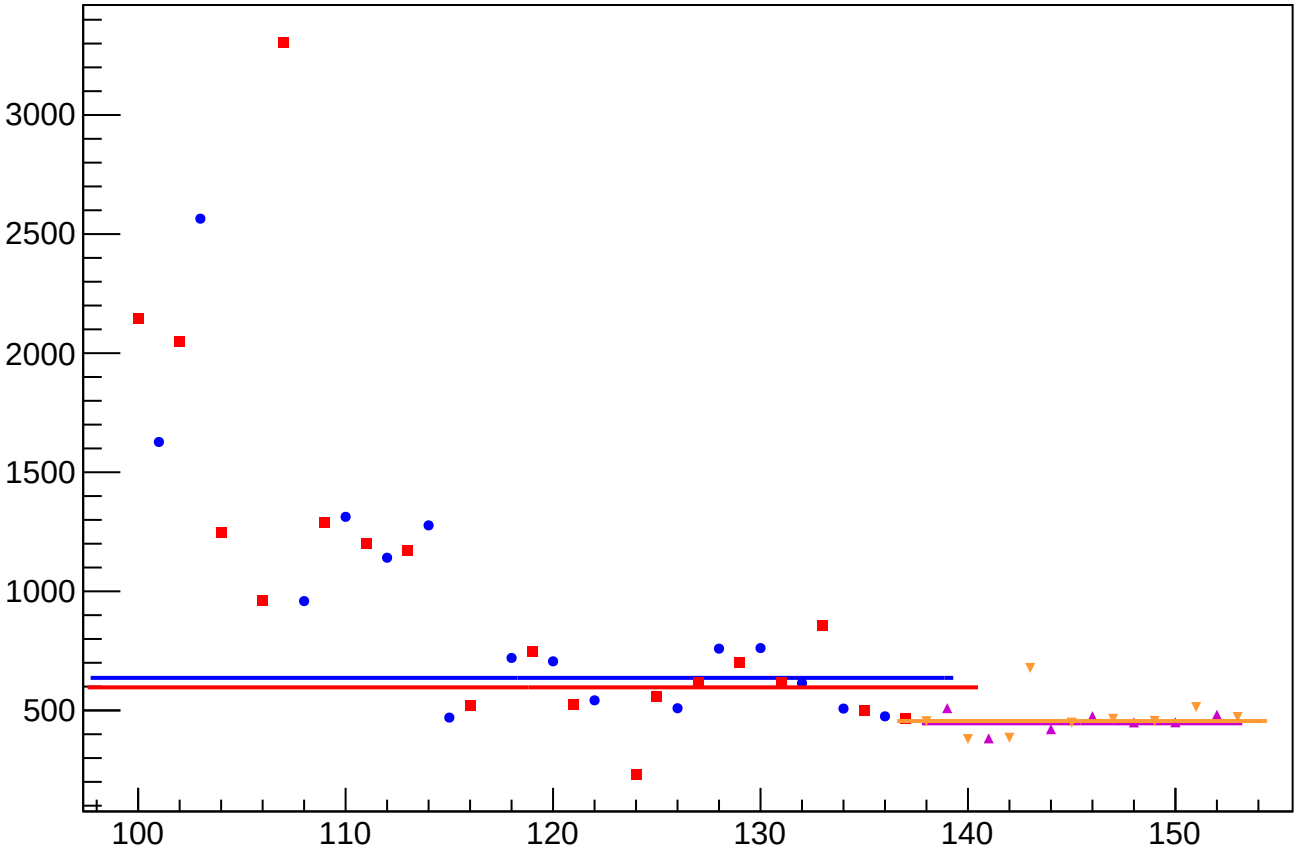
Left In: 3.431+/-181.316 χ^2/NDF:7.7/6

+ sign 497.941+/-144.696 χ^2/NDF: 40.9/24

All: 327.430+/-103.228 χ^2/NDF: 65.8/50

- sign 150.699+/-147.312 χ^2/NDF: 22.0/25

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 455.400+/-0.123 χ^2/NDF:294729.1/8

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

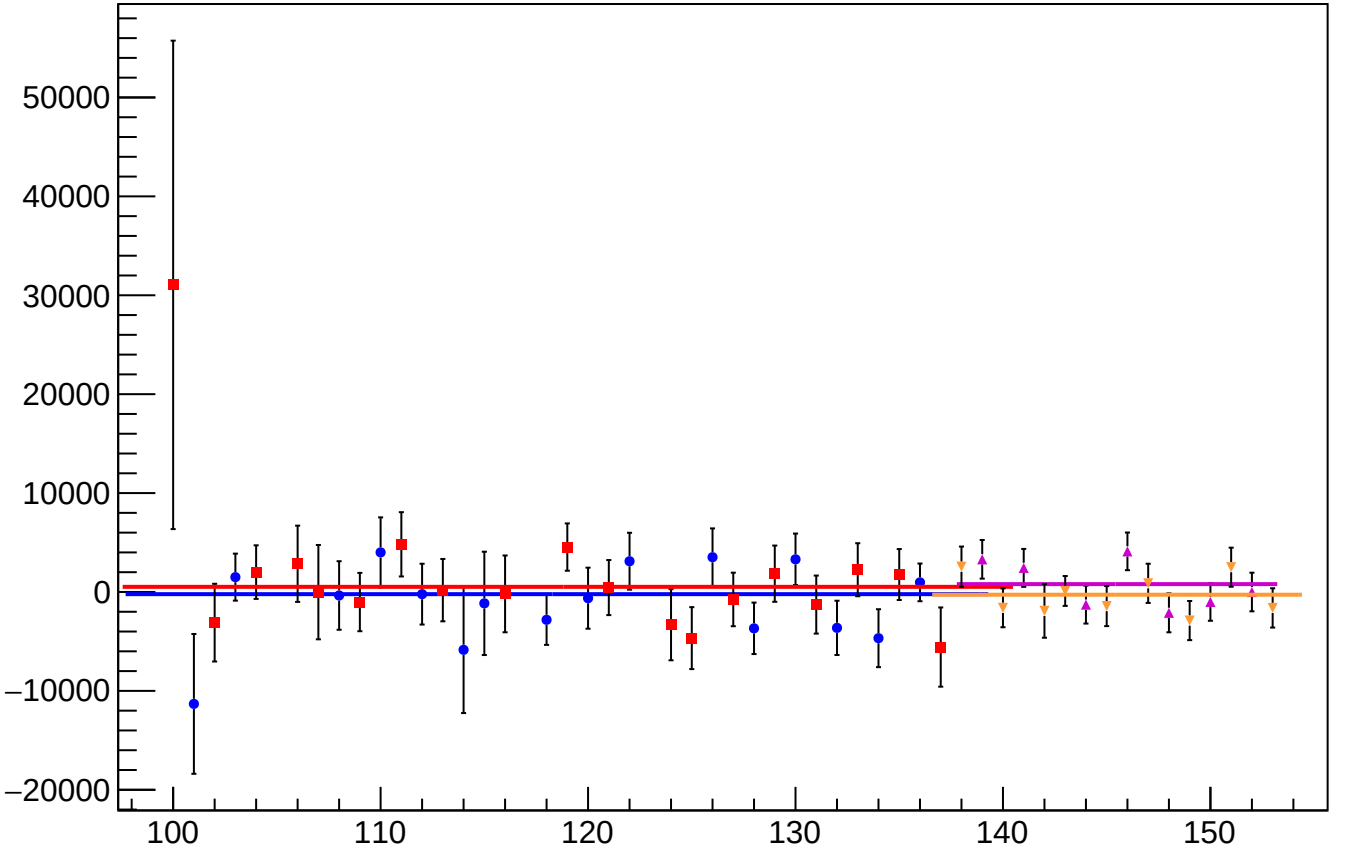
Left In: 445.788+/-0.128 χ^2/NDF:96853.2/6

+ sign 512.178+/-0.102 χ^2/NDF: 3036100.2/24

All: 504.793+/-0.073 χ^2/NDF: 6545957.9/50

- sign 497.139+/-0.104 χ^2/NDF: 3499249.4/25

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -275.775+/-653.924 χ^2/NDF:7.7/8

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

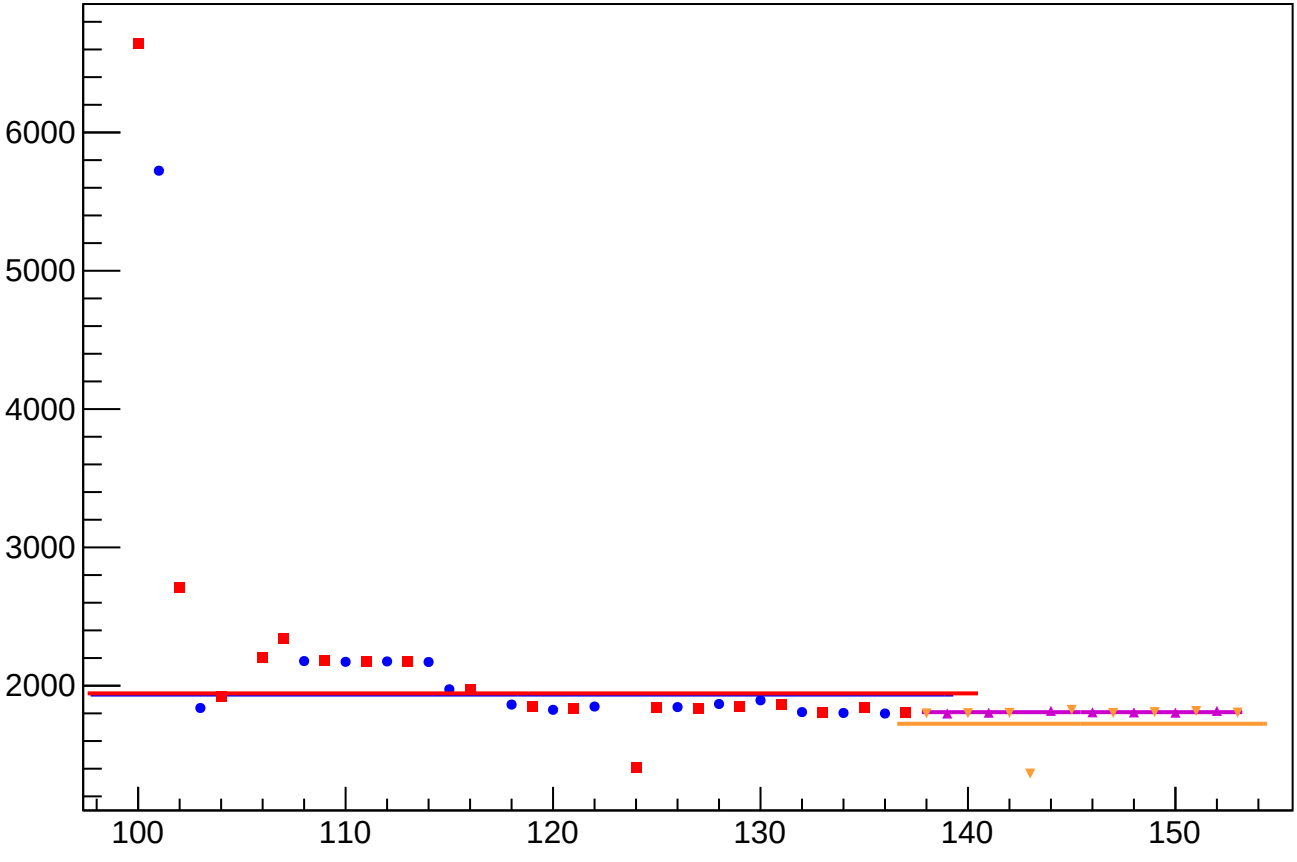
Left In: 794.336+/-729.963 χ^2/NDF:9.8/6

+ sign -251.338+/-488.814 χ^2/NDF: 24.8/24

All: 179.385+/-354.341 χ^2/NDF: 51.9/50

- sign 656.361+/-514.391 χ^2/NDF: 25.5/25

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1724.828+/-0.462 χ^2/NDF:140660.7/8

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

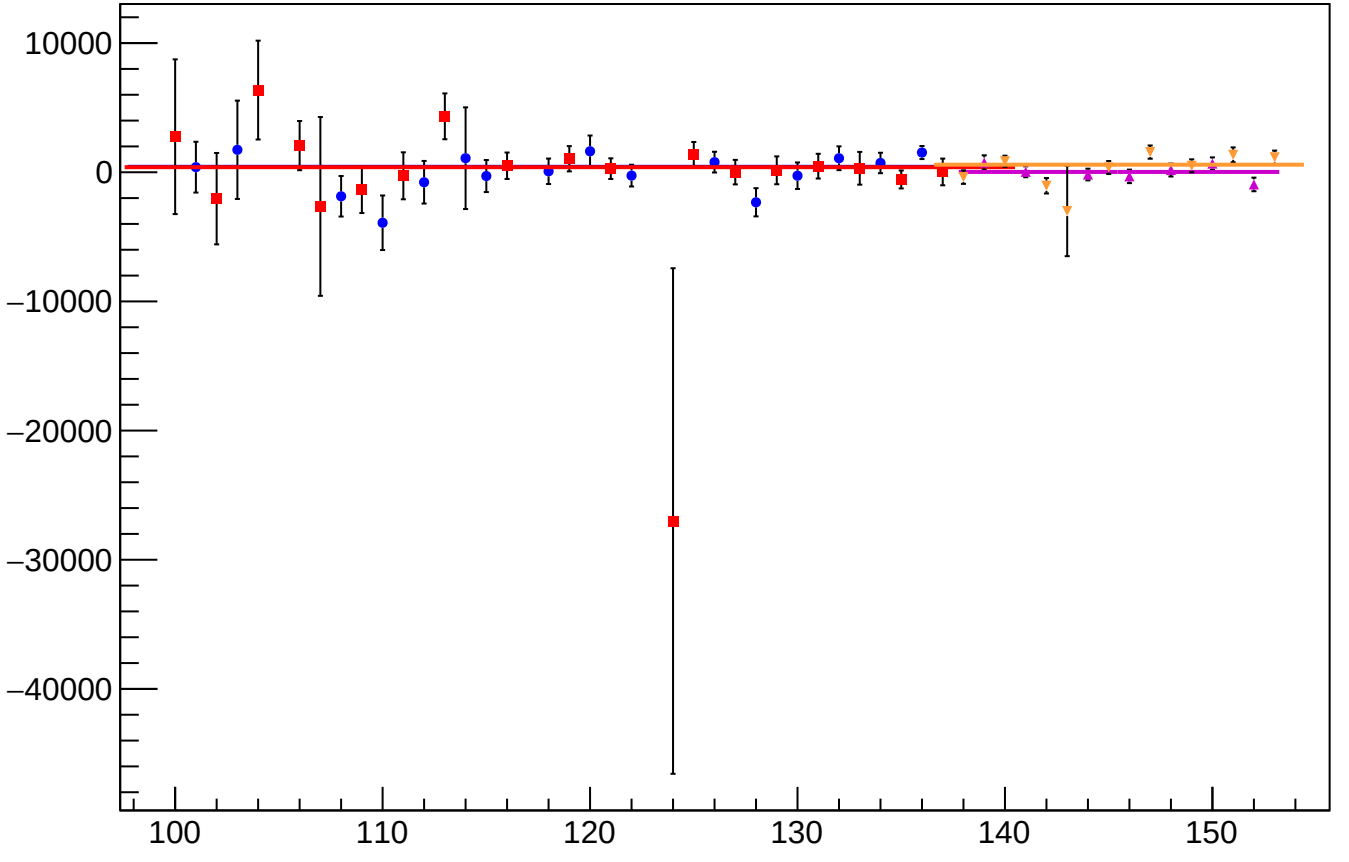
Left In: 1808.725+/-0.516 χ^2/NDF:157.7/6

+ sign 1817.992+/-0.346 χ^2/NDF: 872472.5/24

All: 1846.028+/-0.251 χ^2/NDF: 1197550.2/50

- sign 1877.075+/-0.364 χ^2/NDF: 311212.5/25

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 585.119+/-181.464 χ^2/NDF:19.1/8

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

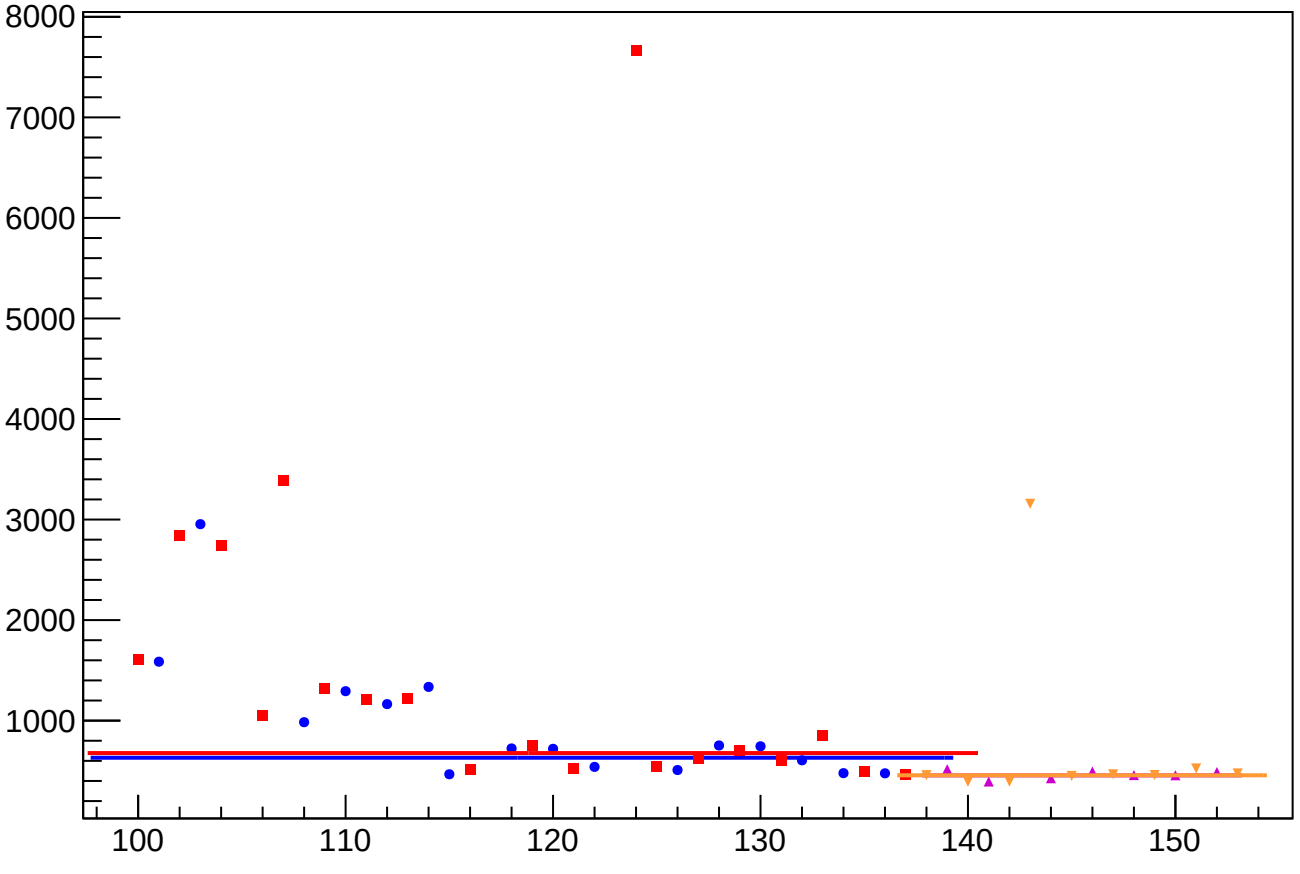
Left In: 24.623+/-184.985 χ^2/NDF:7.6/6

+ sign 530.495+/-148.188 χ^2/NDF: 40.8/24

All: 341.646+/-106.870 χ^2/NDF: 68.8/50

- sign 136.978+/-154.270 χ^2/NDF: 24.6/25

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 456.281+/-0.128 χ^2/NDF:1293281.6/8

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

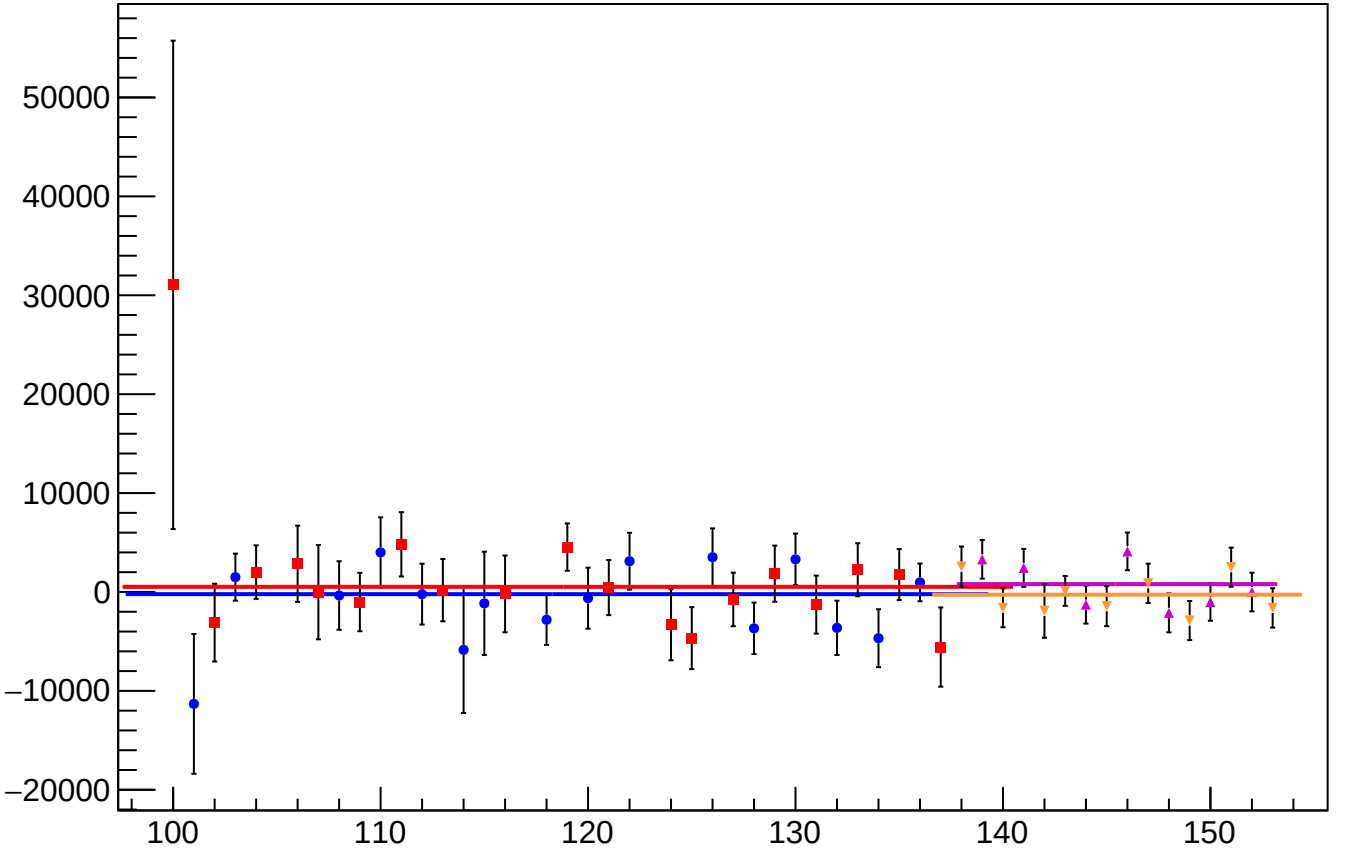
Left In: 455.365+/-0.131 χ^2/NDF:92272.3/6

+ sign 514.531+/-0.105 χ^2/NDF: 4146393.2/24

All: 518.589+/-0.076 χ^2/NDF: 8201078.4/50

- sign 522.988+/-0.109 χ^2/NDF: 4051558.6/25

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -275.775+/-653.924 χ^2/NDF:7.7/8

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

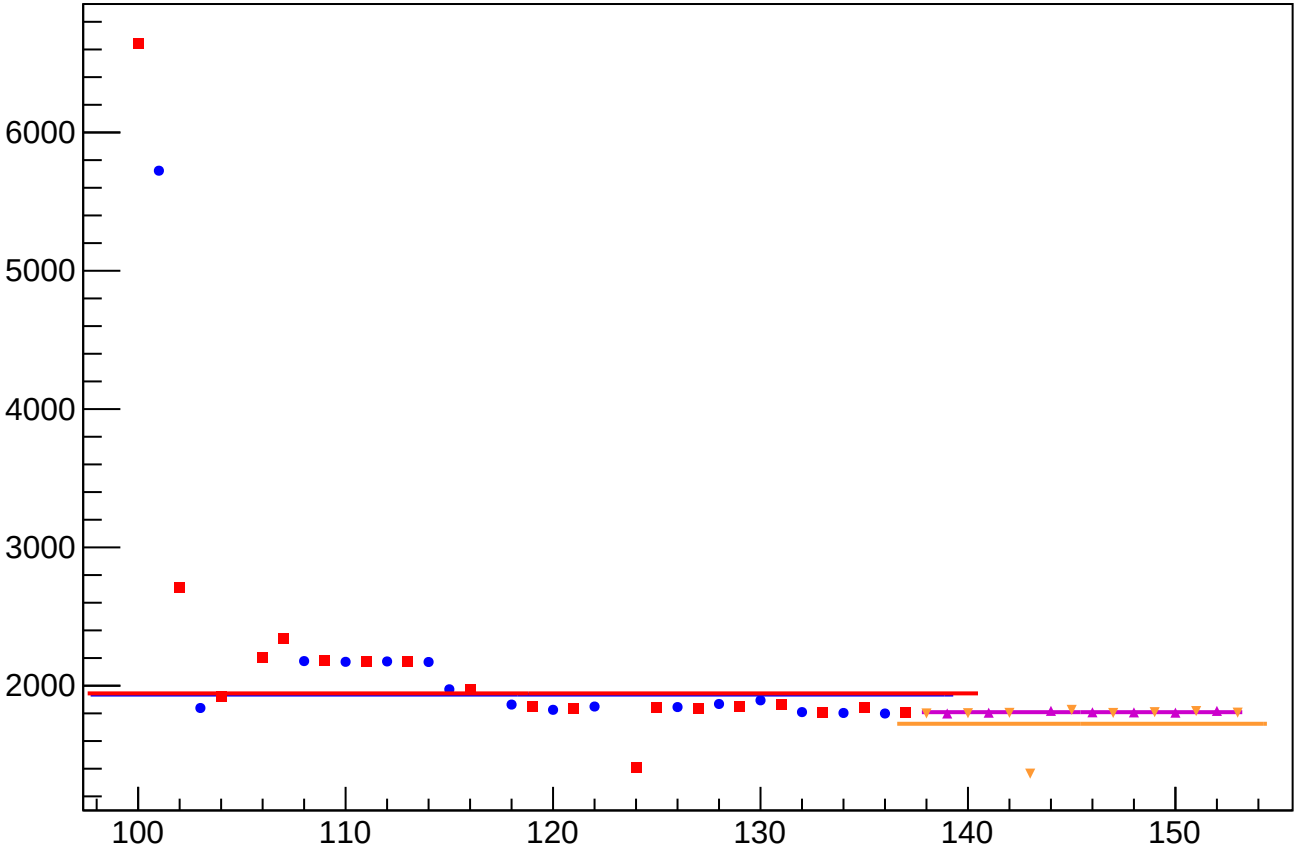
Left In: 794.336+/-729.963 χ^2/NDF:9.8/6

+ sign -251.339+/-488.814 χ^2/NDF: 24.8/24

All: 179.385+/-354.341 χ^2/NDF: 51.9/50

- sign 656.362+/-514.391 χ^2/NDF: 25.5/25

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1724.828+/-0.462 χ^2/NDF:140660.7/8

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

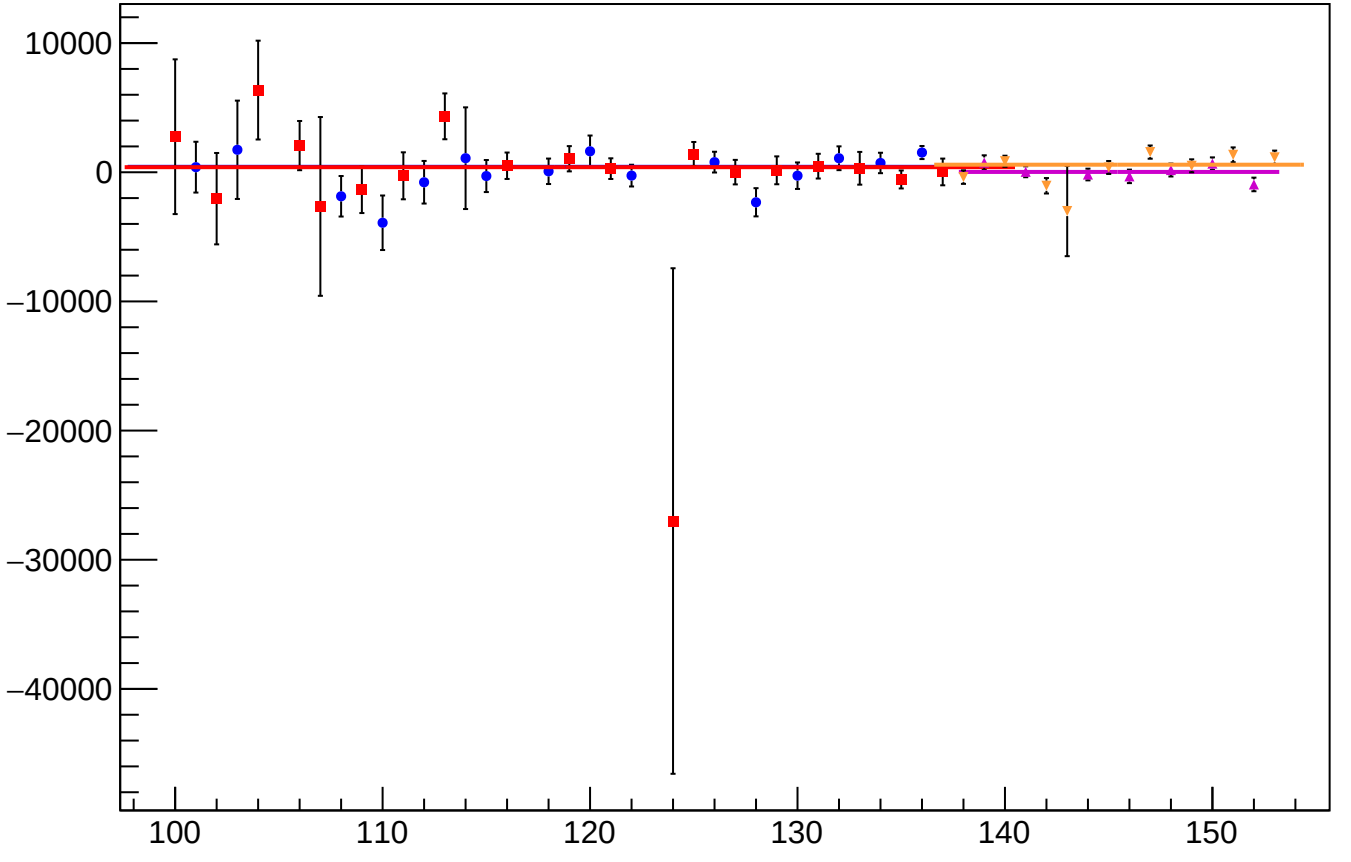
Left In: 1808.725+/-0.516 χ^2/NDF:157.7/6

+ sign 1817.992+/-0.346 χ^2/NDF: 872472.5/24

All: 1846.028+/-0.251 χ^2/NDF: 1197549.9/50

- sign 1877.075+/-0.364 χ^2/NDF: 311212.3/25

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 585.119+/-181.464 χ^2/NDF:19.1/8

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

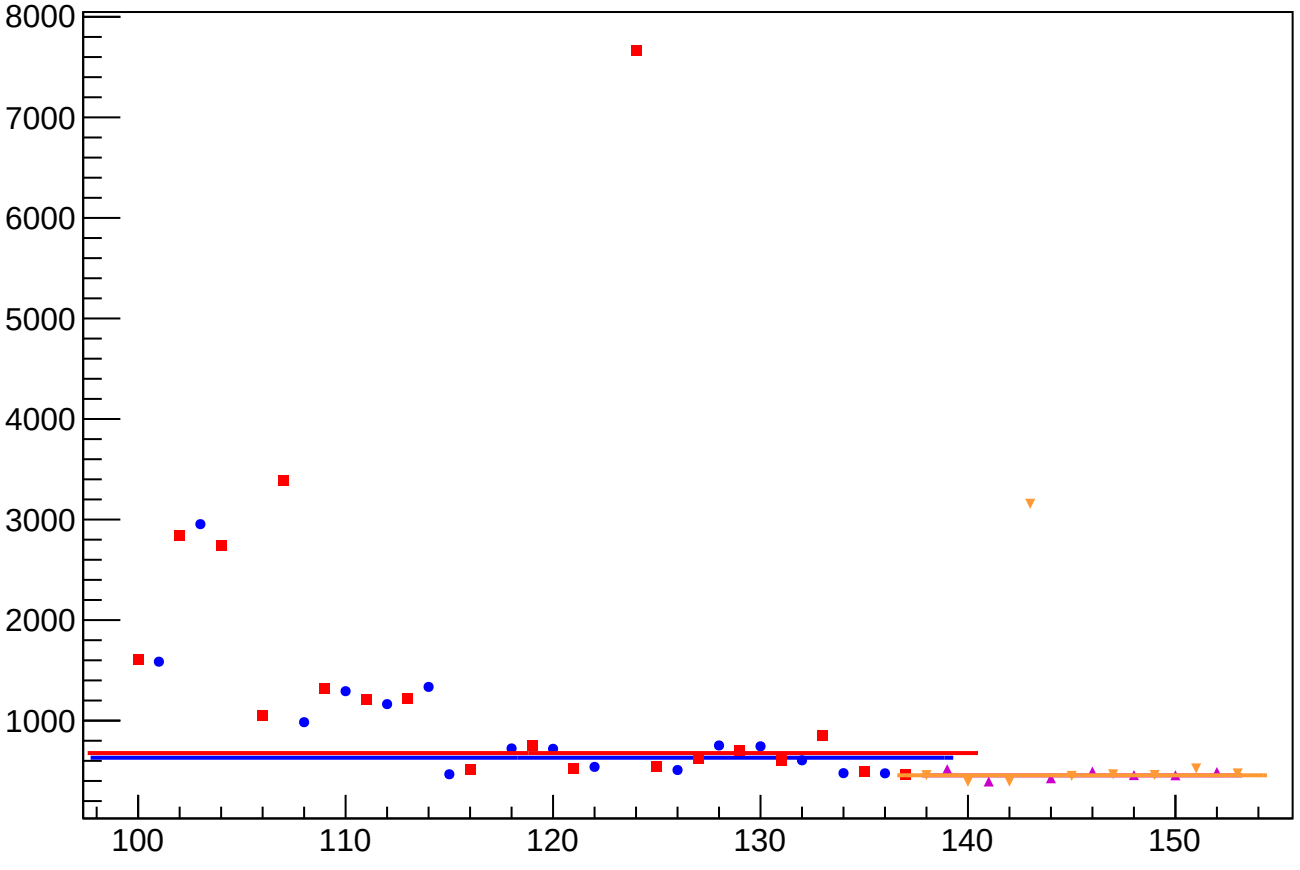
Left In: 24.623+/-184.985 χ^2/NDF:7.6/6

\+ sign 530.495+/-148.188 χ^2/NDF: 40.8/24

All: 341.646+/-106.870 χ^2/NDF: 68.8/50

\- sign 136.978+/-154.270 χ^2/NDF: 24.6/25

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 456.280+/-0.128 χ^2/NDF:1293281.8/8

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

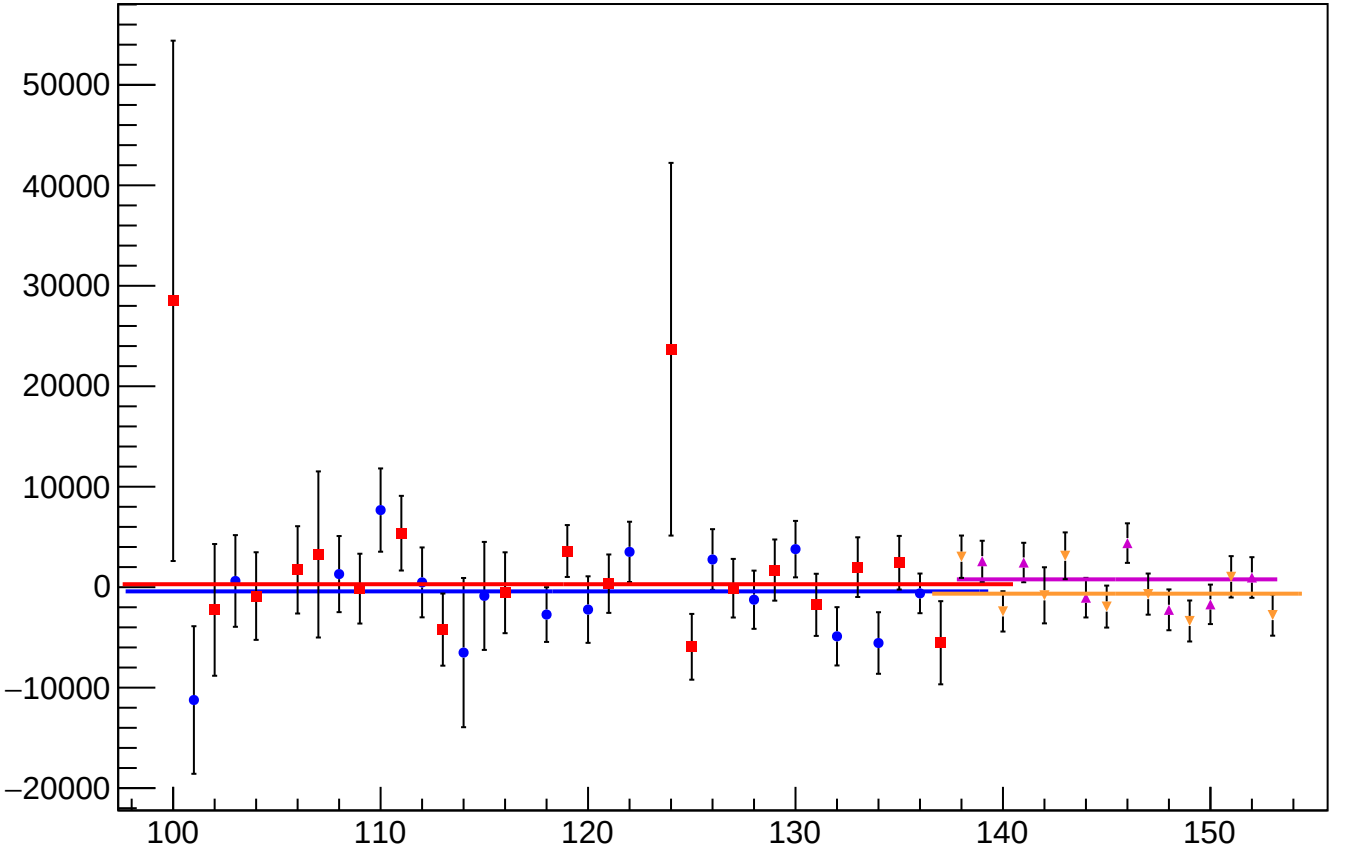
Left In: 455.364+/-0.131 χ^2/NDF:92273.1/6

+ sign 514.530+/-0.105 χ^2/NDF: 4146396.1/24

All: 518.589+/-0.076 χ^2/NDF: 8201084.5/50

- sign 522.988+/-0.109 χ^2/NDF: 4051561.7/25

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -646.997+/-713.042 χ^2/NDF:10.3/8

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

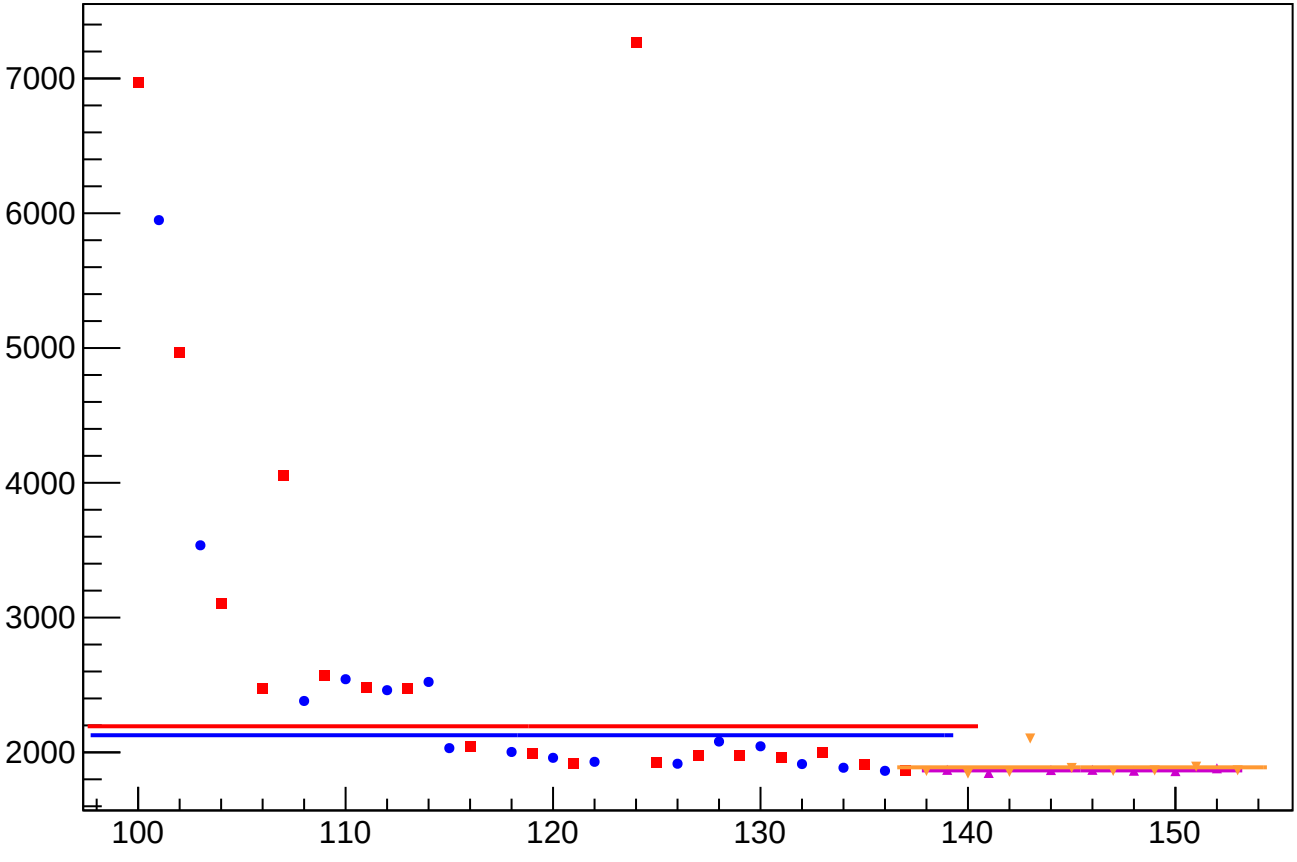
Left In: 778.657+/-753.144 χ^2/NDF:9.6/6

+ sign -547.614+/-536.751 χ^2/NDF: 28.7/24

All: -15.291+/-386.914 χ^2/NDF: 56.2/50

- sign 560.504+/-558.238 χ^2/NDF: 25.4/25

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1888.971+/-0.504 χ^2/NDF:19464.3/8

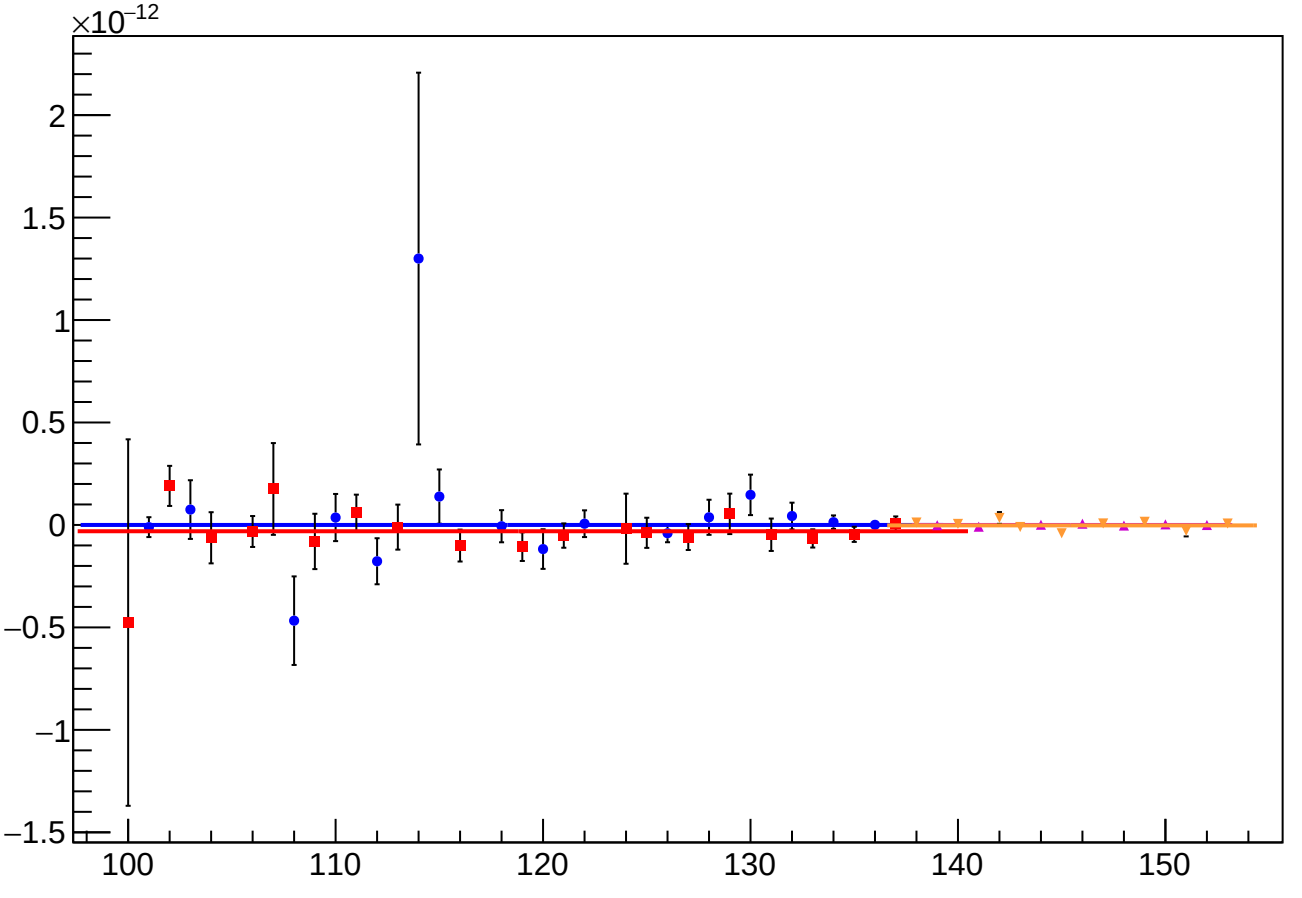
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1866.128+/-0.533 χ^2/NDF:344.7/6

+ sign 1992.138+/-0.380 χ^2/NDF: 991158.3/24

All: 2002.483+/-0.274 χ^2/NDF: 2105970.1/50

- sign 2013.672+/-0.395 χ^2/NDF: 1113265.4/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/8

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

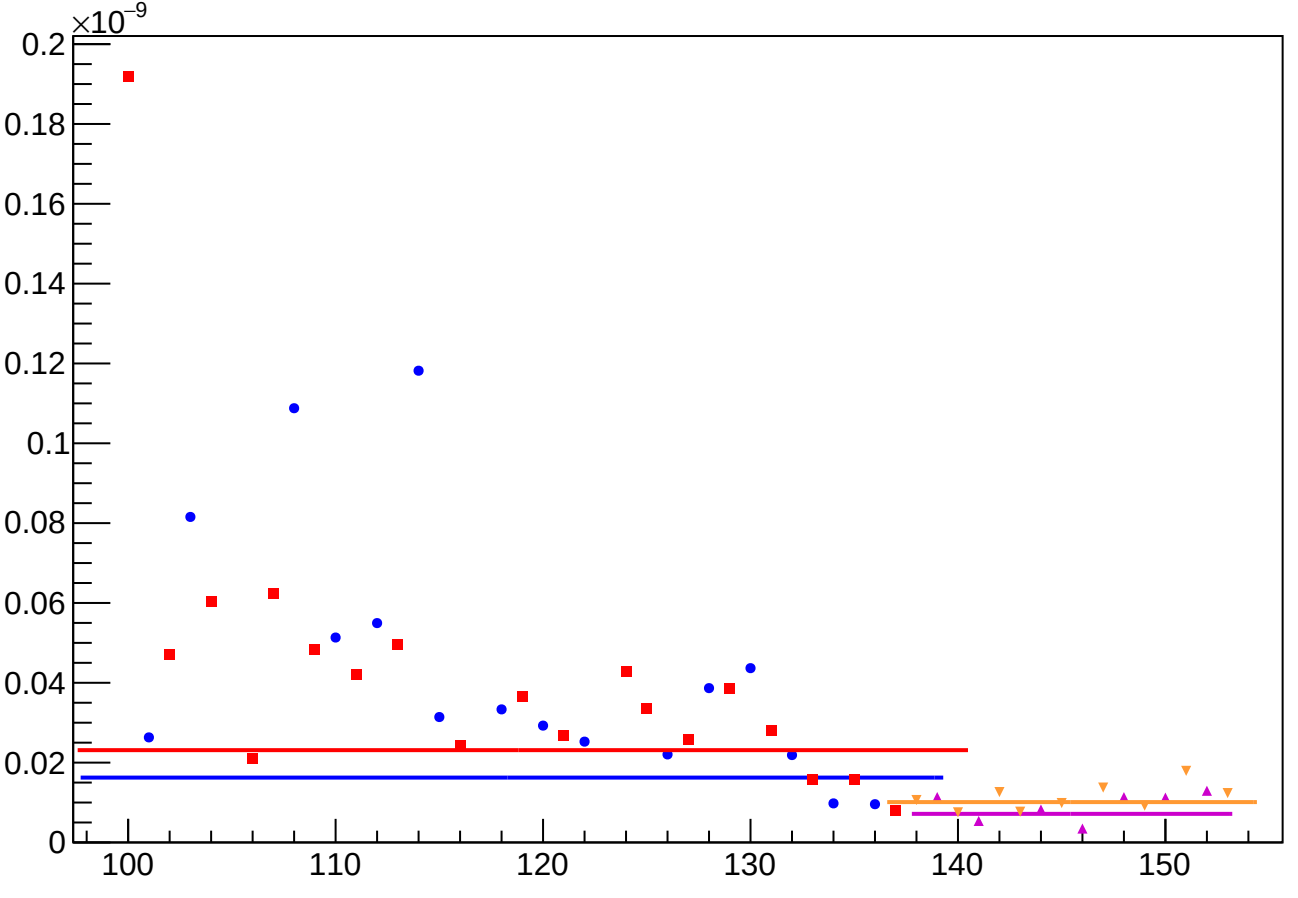
Left In: -0.000+/-0.000 χ^2/NDF:1.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/24

All: -0.000+/-0.000 χ^2/NDF: 43.5/50

- sign -0.000+/-0.000 χ^2/NDF: 16.8/25

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:370644.6/8

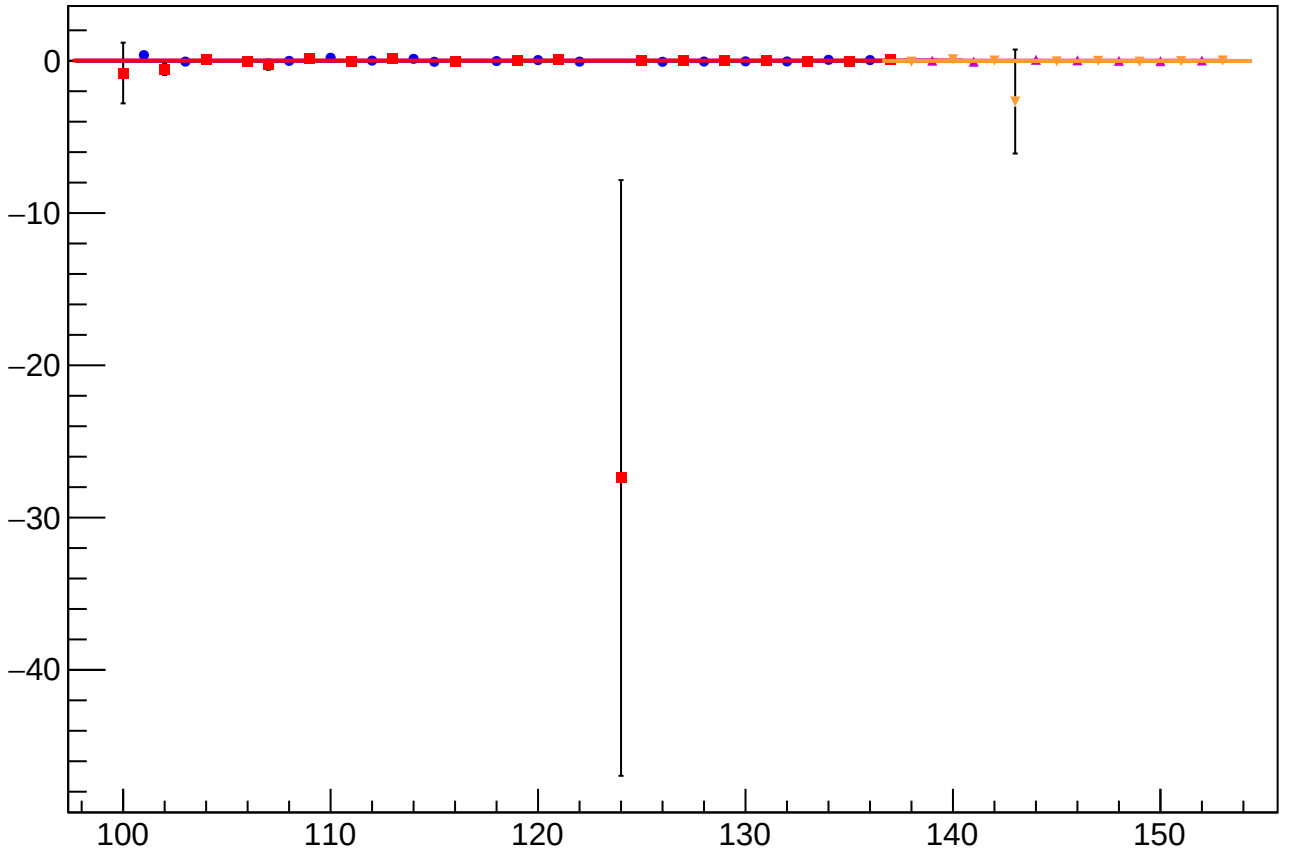
Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:741861.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3076595.2/24

All: 0.000+/-0.000 χ^2/NDF: 7300713.8/50

- sign 0.000+/-0.000 χ^2/NDF: 3993941.8/25



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.014 χ^2/NDF:12.6/8

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

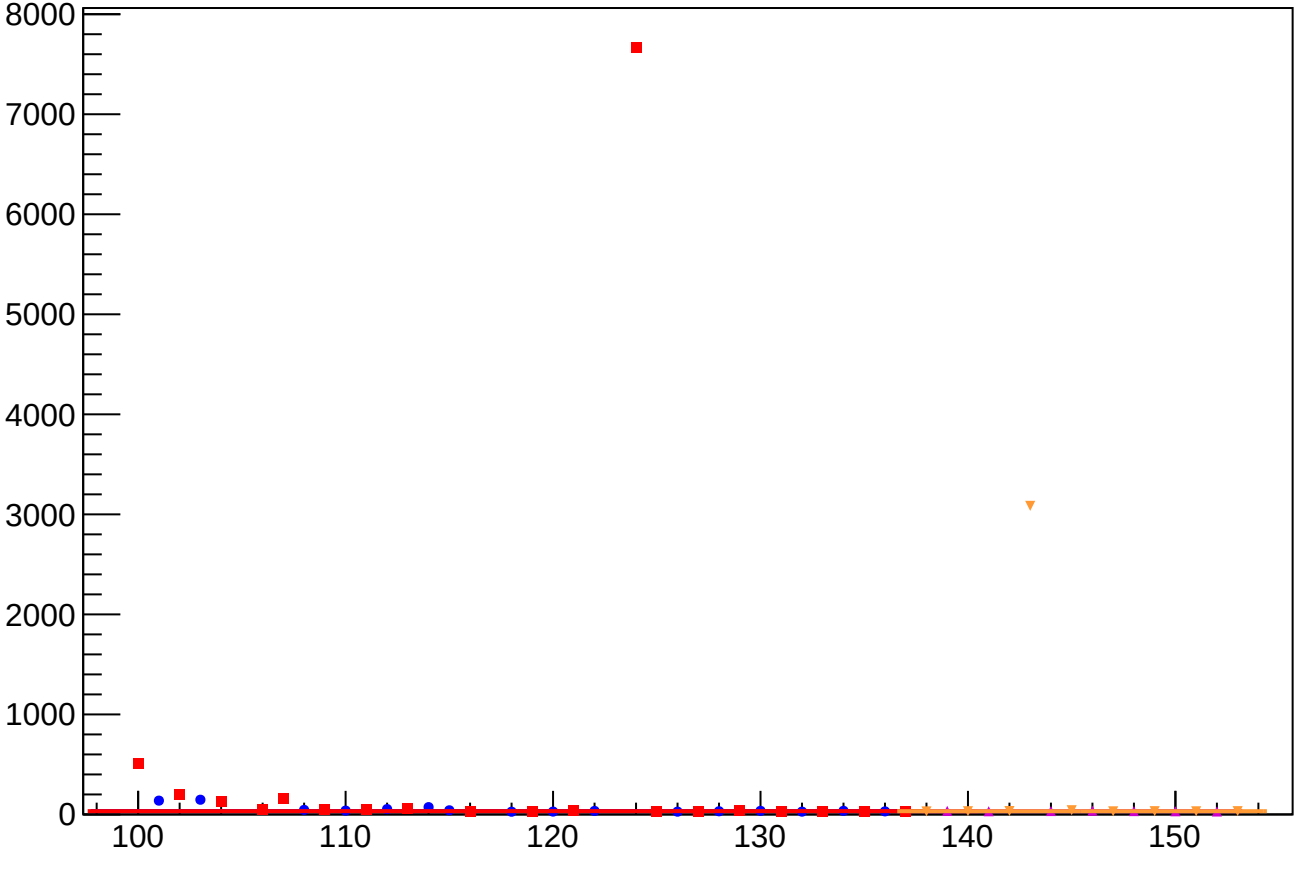
Left In: 0.004+/-0.015 χ^2/NDF:6.6/6

+ sign -0.004+/-0.010 χ^2/NDF: 34.0/24

All: 0.002+/-0.007 χ^2/NDF: 55.6/50

- sign 0.008+/-0.010 χ^2/NDF: 21.0/25

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.688+/-0.010 χ^2/NDF:1688737.9/8

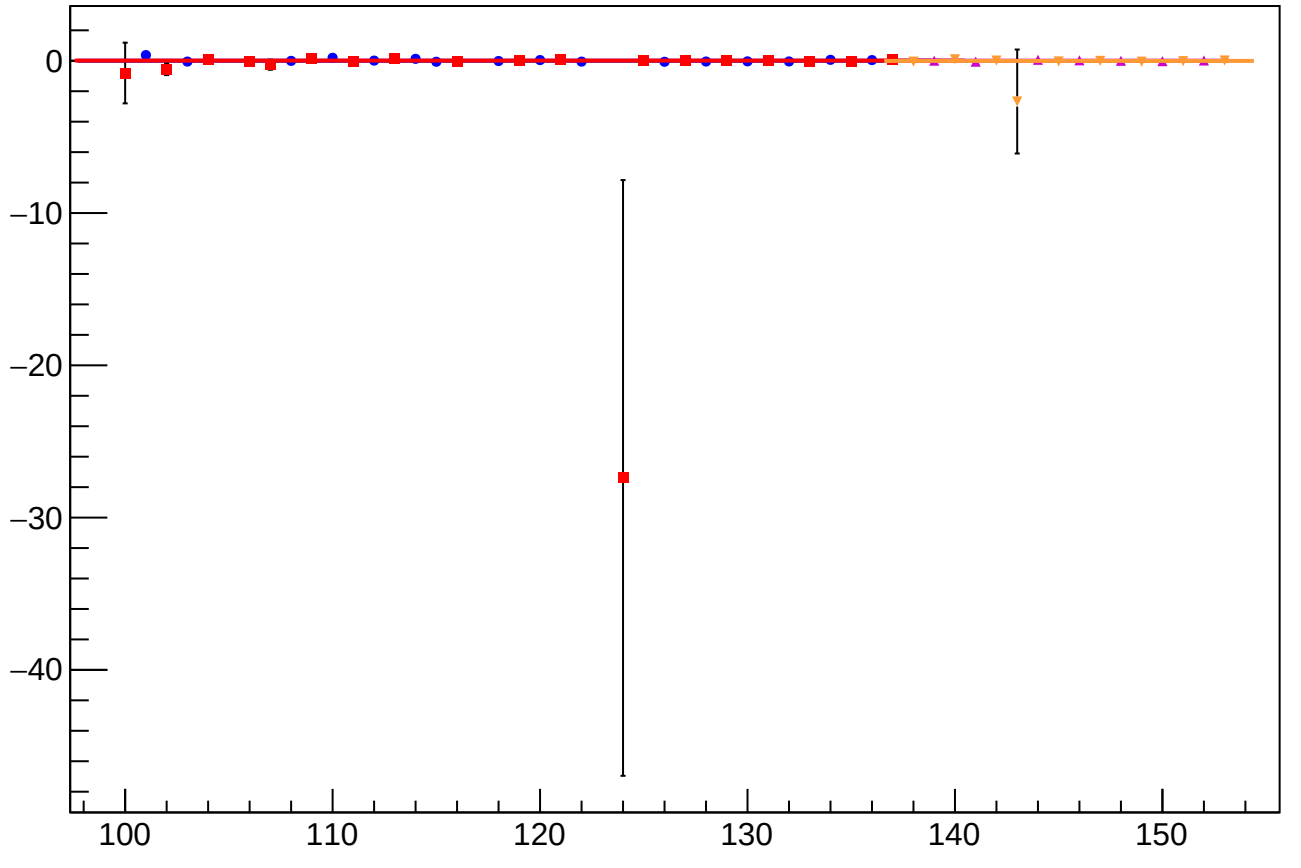
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.337+/-0.010 χ^2/NDF:50773.2/6

\+ sign 33.343+/-0.007 χ^2/NDF: 3414946.9/24

All: 33.279+/-0.005 χ^2/NDF: 5541301.4/50

\- sign 33.213+/-0.007 χ^2/NDF: 2126194.2/25



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.014 χ^2/NDF:12.6/8

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

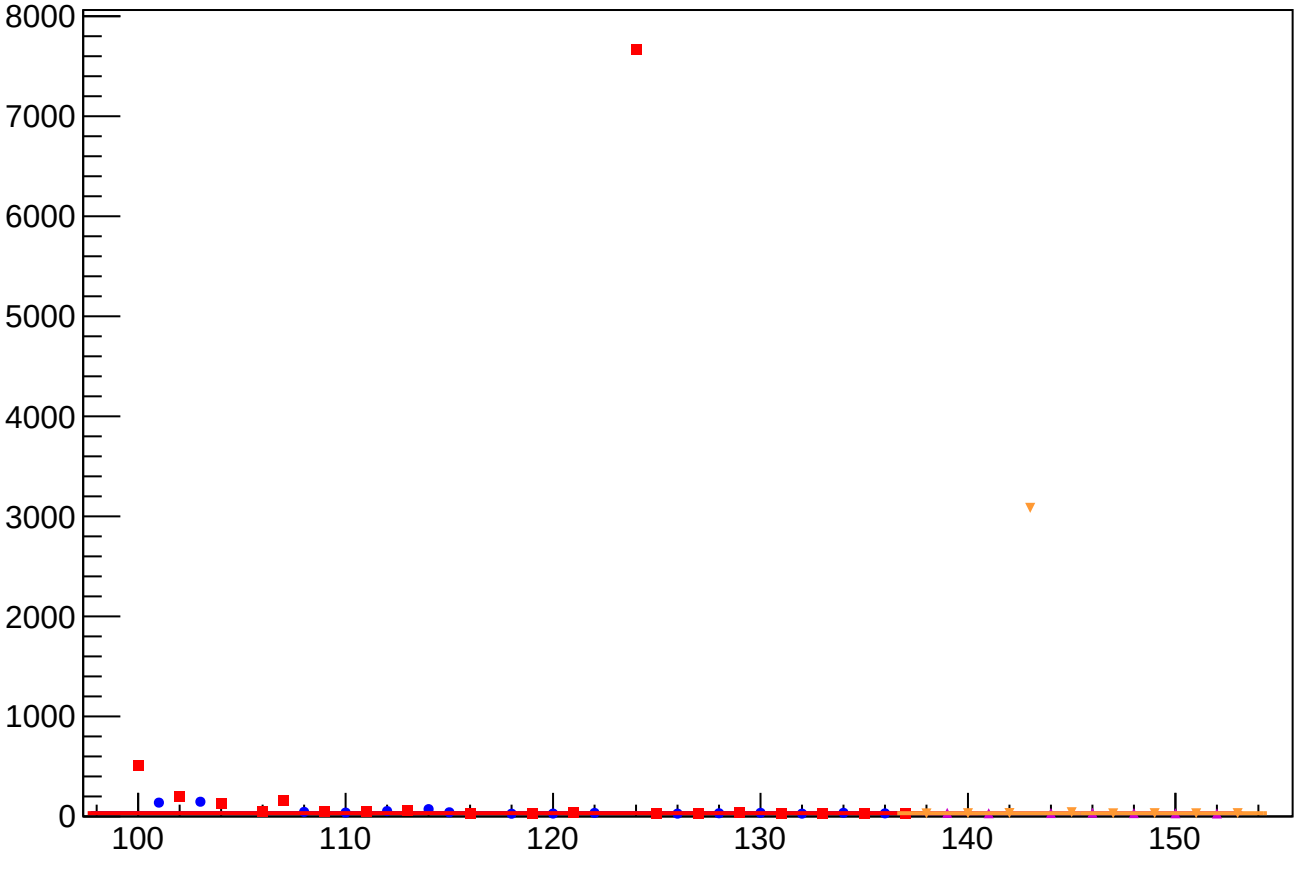
Left In: 0.004+/-0.015 χ^2/NDF:6.6/6

+ sign -0.004+/-0.010 χ^2/NDF: 34.0/24

All: 0.002+/-0.007 χ^2/NDF: 55.6/50

- sign 0.008+/-0.010 χ^2/NDF: 21.0/25

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.688+/-0.010 χ^2/NDF:1688737.9/8

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

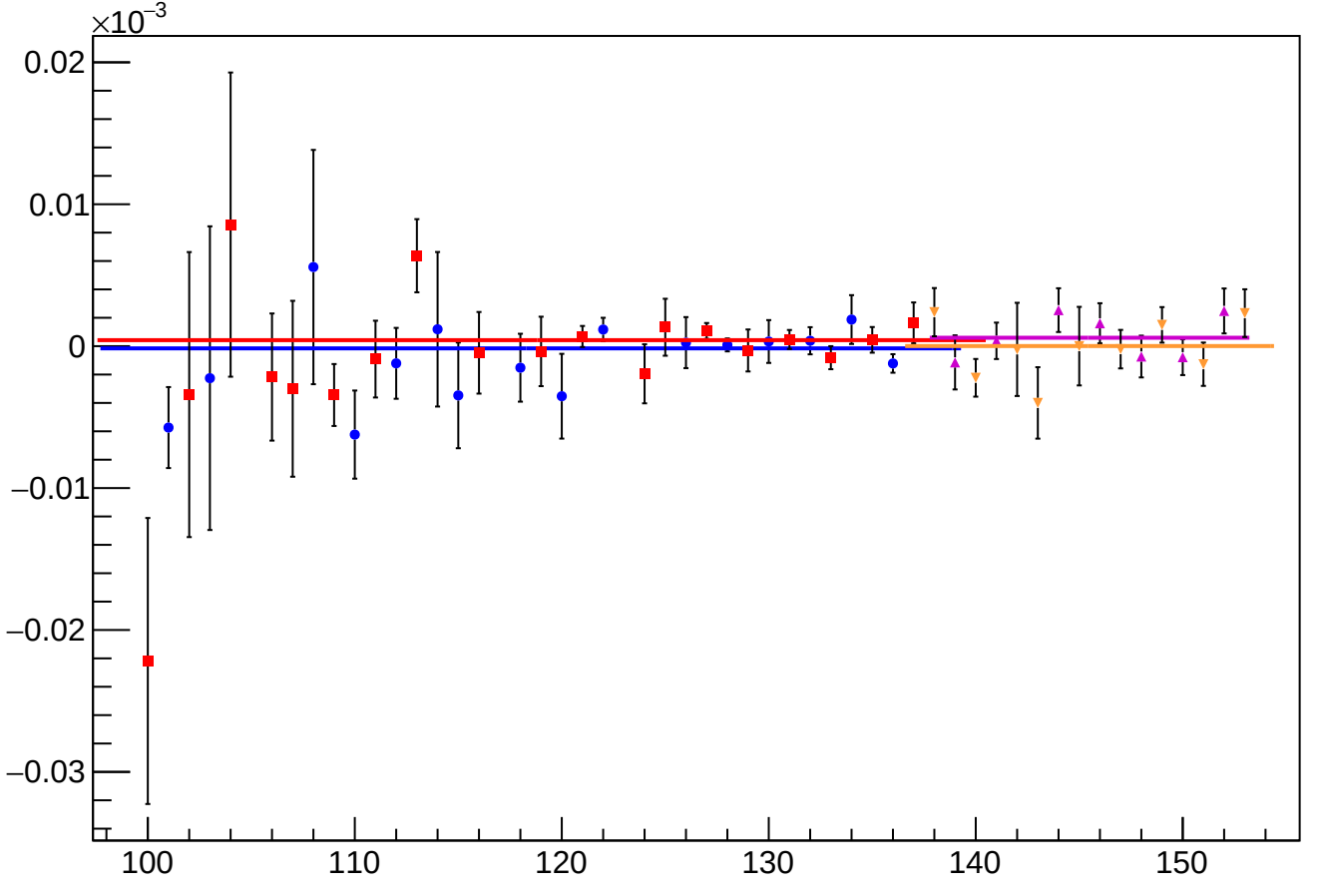
Left In: 33.337+/-0.010 χ^2/NDF:50773.2/6

+ sign 33.343+/-0.007 χ^2/NDF: 3414946.9/24

All: 33.279+/-0.005 χ^2/NDF: 5541301.4/50

- sign 33.213+/-0.007 χ^2/NDF: 2126194.2/25

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

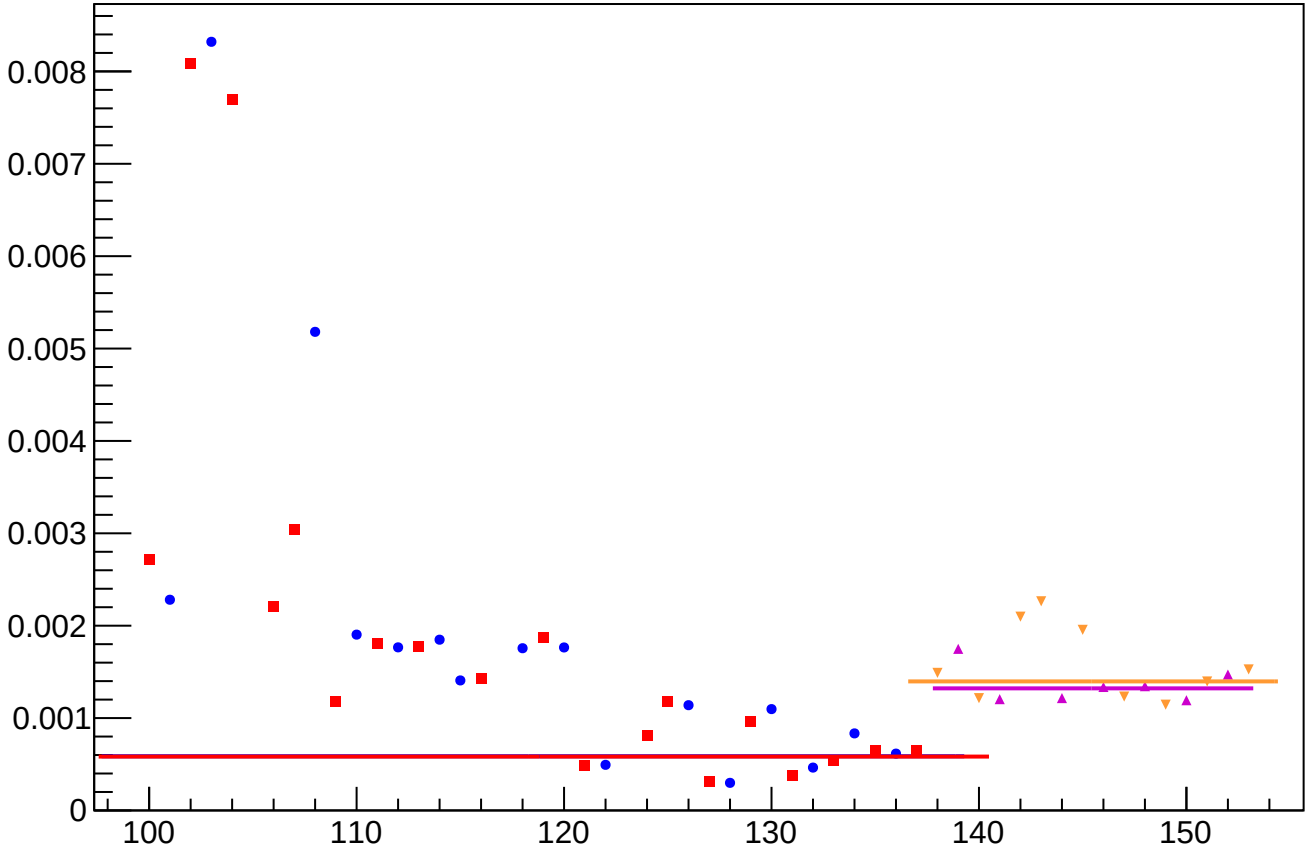
Left In: 0.000+/-0.000 χ^2/NDF:6.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/24

All: 0.000+/-0.000 χ^2/NDF: 60.2/50

- sign 0.000+/-0.000 χ^2/NDF: 28.0/25

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:574963.5/8

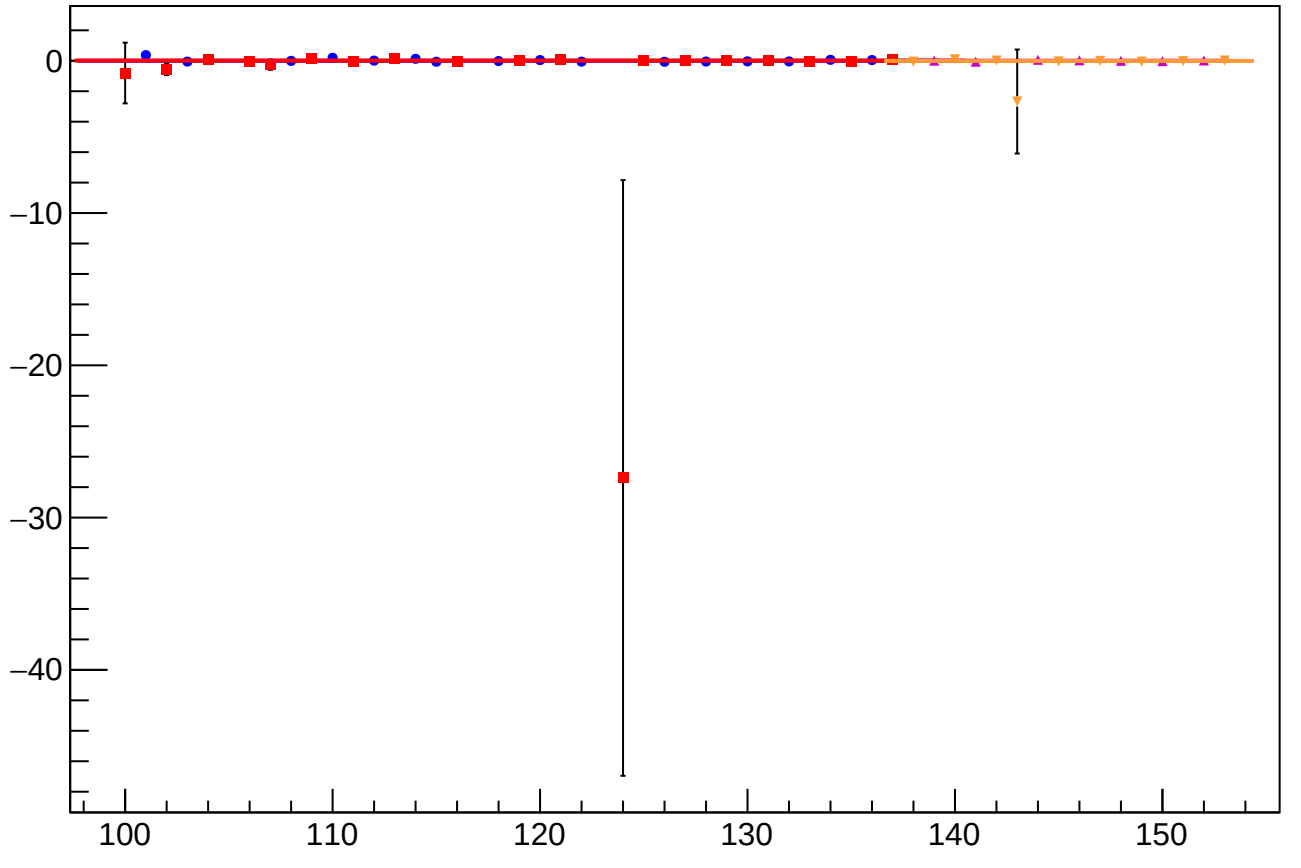
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:165906.5/6

+ sign 0.001+/-0.000 χ^2/NDF: 9400000.2/24

All: 0.001+/-0.000 χ^2/NDF: 17841189.9/50

- sign 0.001+/-0.000 χ^2/NDF: 8431299.8/25



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.014 χ^2/NDF:12.6/8

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

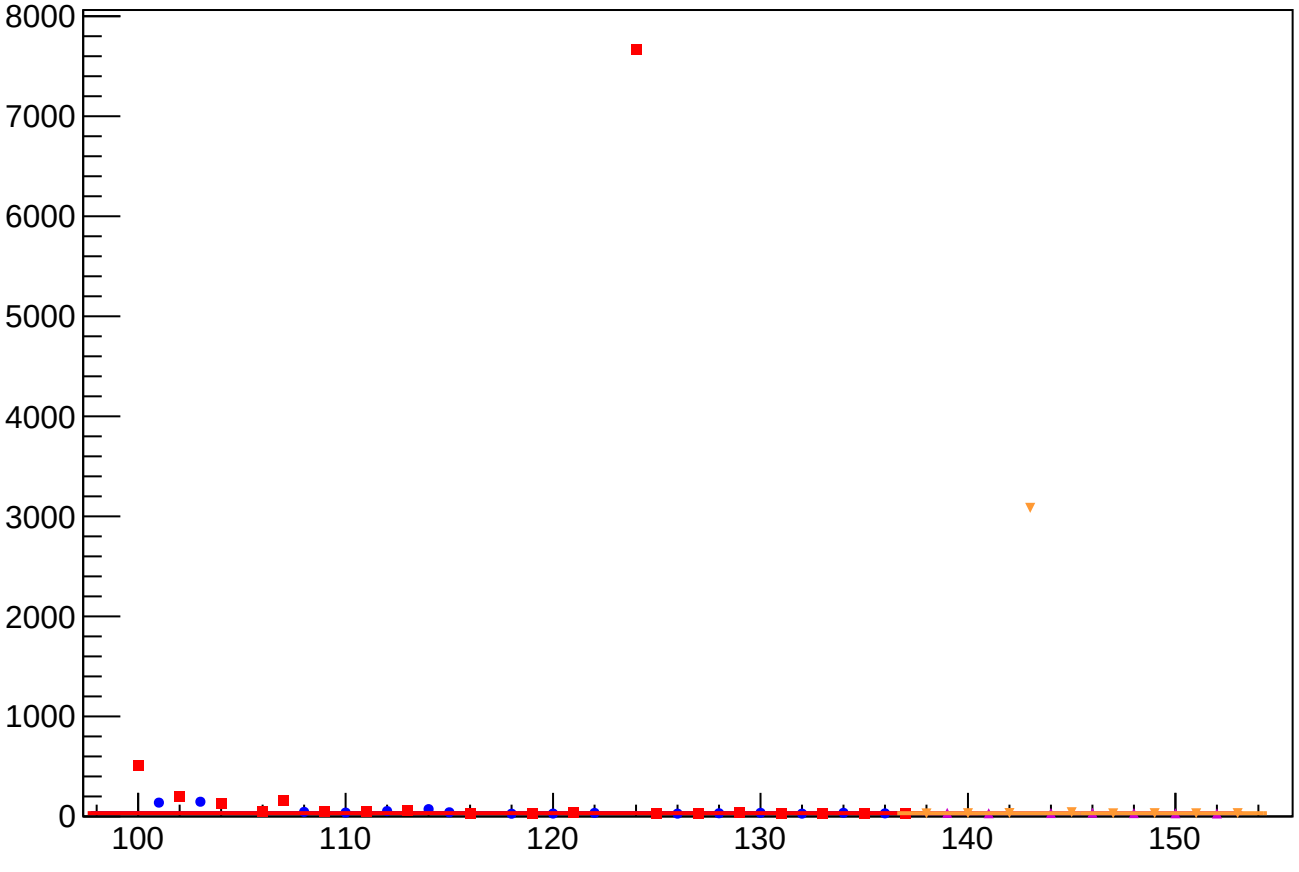
Left In: 0.004+/-0.015 χ^2/NDF:6.6/6

+ sign -0.004+/-0.010 χ^2/NDF: 34.0/24

All: 0.002+/-0.007 χ^2/NDF: 55.6/50

- sign 0.008+/-0.010 χ^2/NDF: 21.0/25

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.688+/-0.010 χ^2/NDF:1688738.3/8

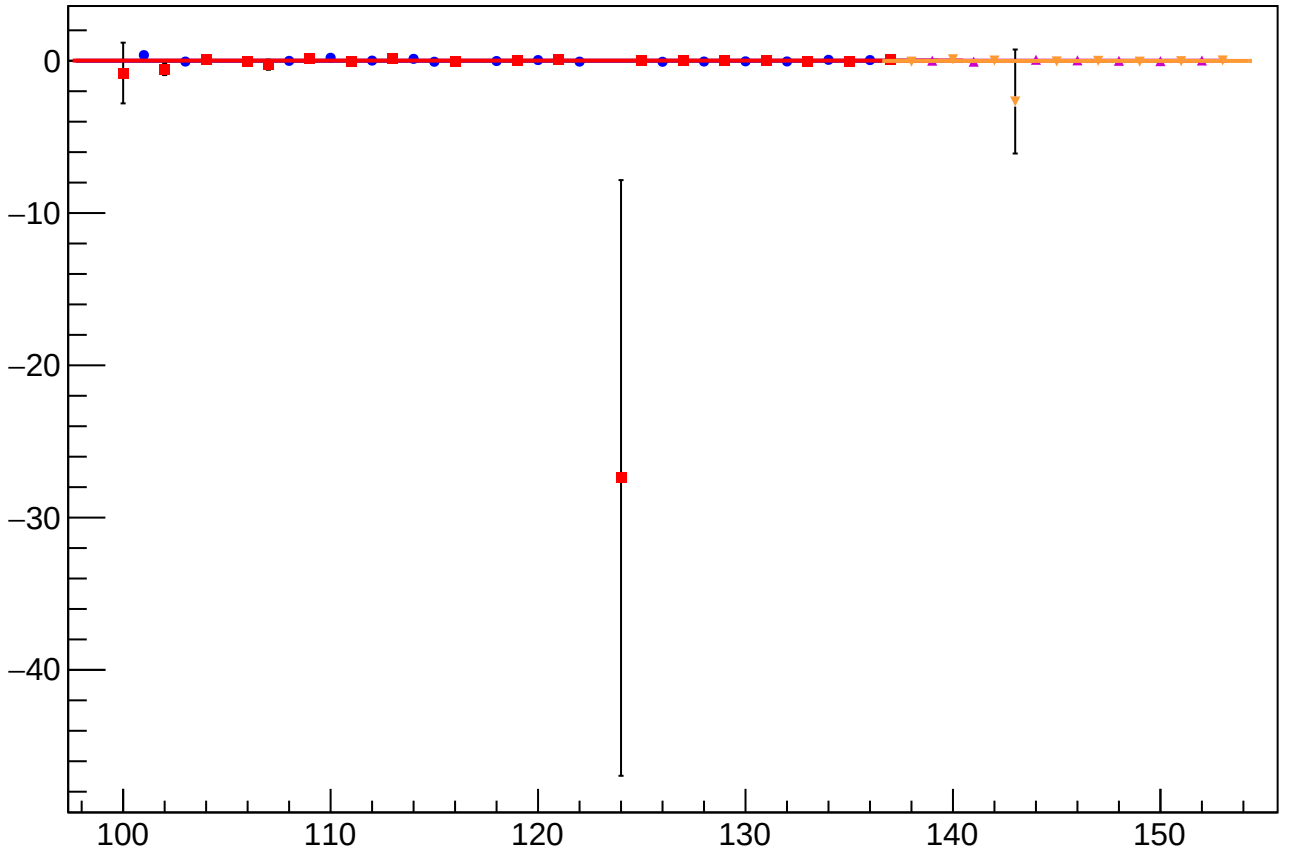
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.337+/-0.010 χ^2/NDF:50775.6/6

+ sign 33.343+/-0.007 χ^2/NDF: 3414937.2/24

All: 33.279+/-0.005 χ^2/NDF: 5541275.8/50

- sign 33.213+/-0.007 χ^2/NDF: 2126178.2/25



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.014 χ^2/NDF:12.6/8

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

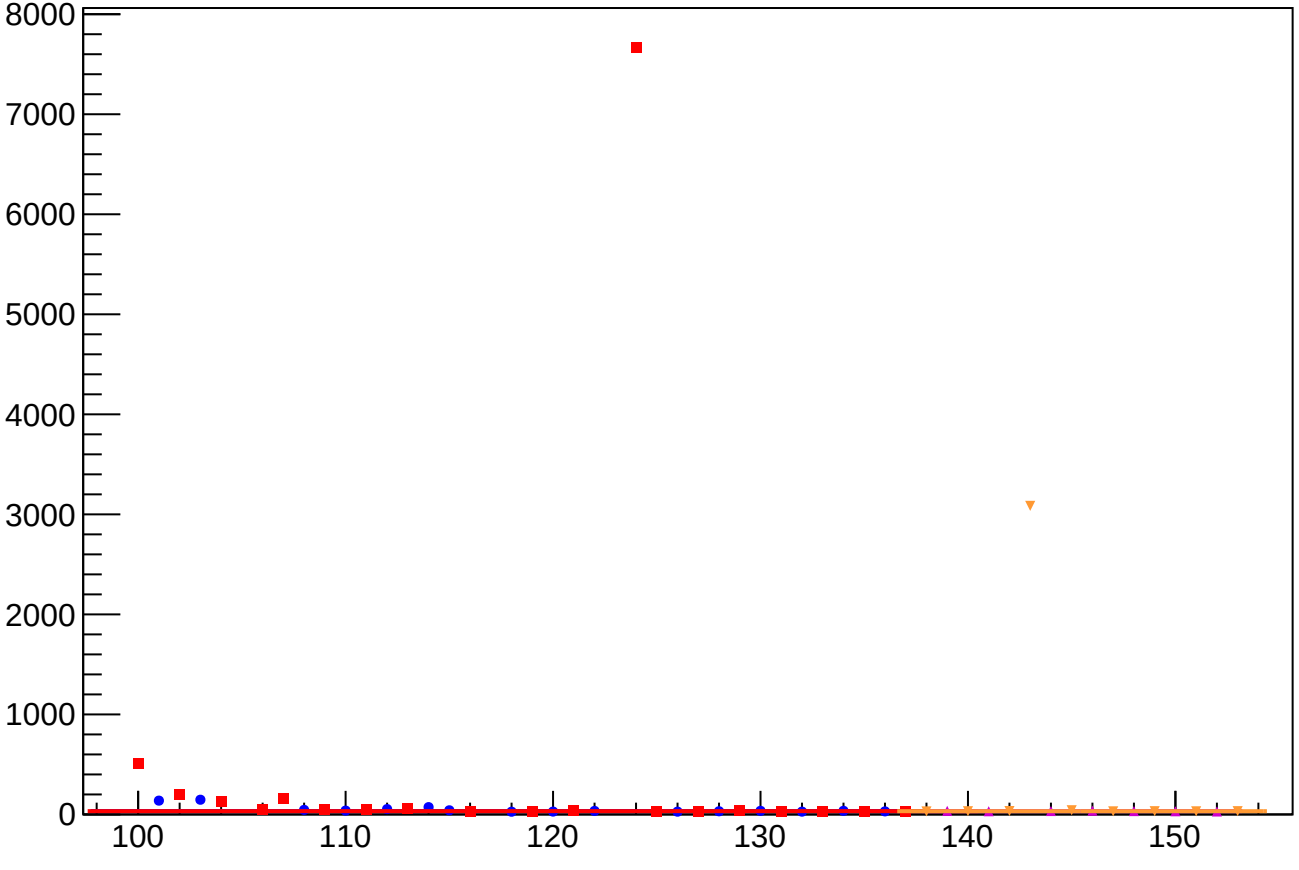
Left In: 0.004+/-0.015 χ^2/NDF:6.6/6

+ sign -0.004+/-0.010 χ^2/NDF: 34.0/24

All: 0.002+/-0.007 χ^2/NDF: 55.6/50

- sign 0.008+/-0.010 χ^2/NDF: 21.0/25

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.688+/-0.010 χ^2/NDF:1688738.3/8

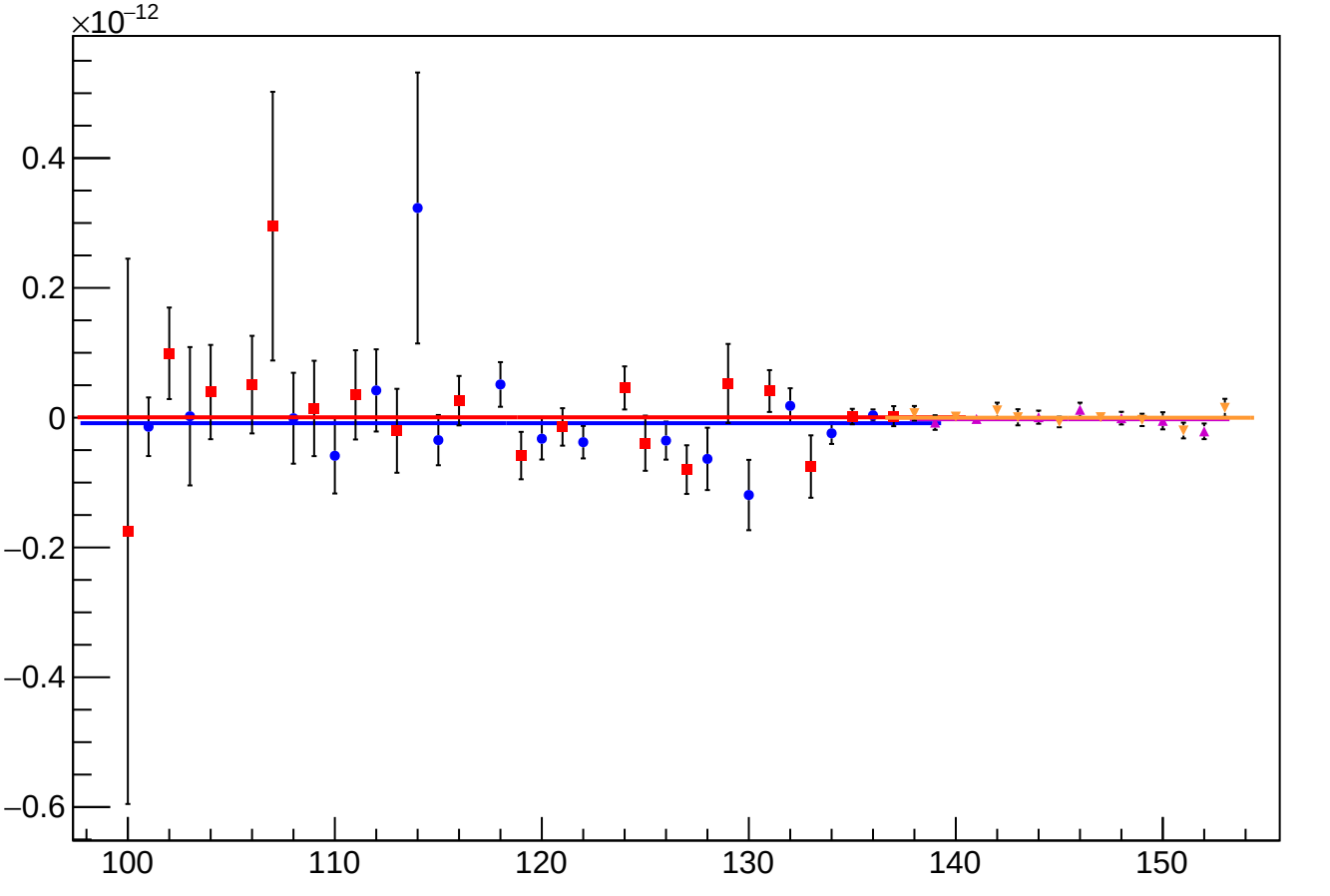
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.337+/-0.010 χ^2/NDF:50775.6/6

+ sign 33.343+/-0.007 χ^2/NDF: 3414937.2/24

All: 33.279+/-0.005 χ^2/NDF: 5541275.8/50

- sign 33.213+/-0.007 χ^2/NDF: 2126178.2/25



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/8

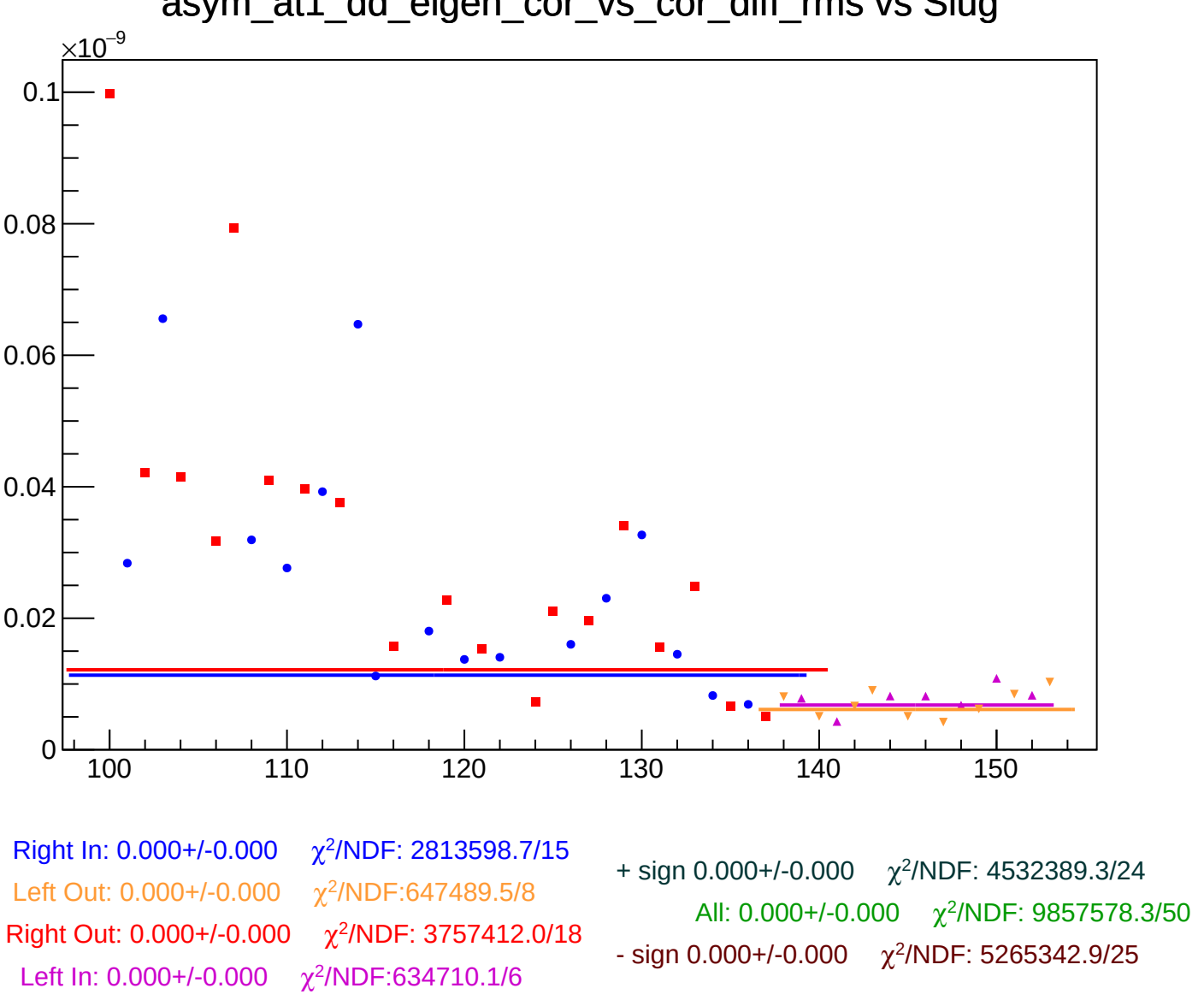
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/6

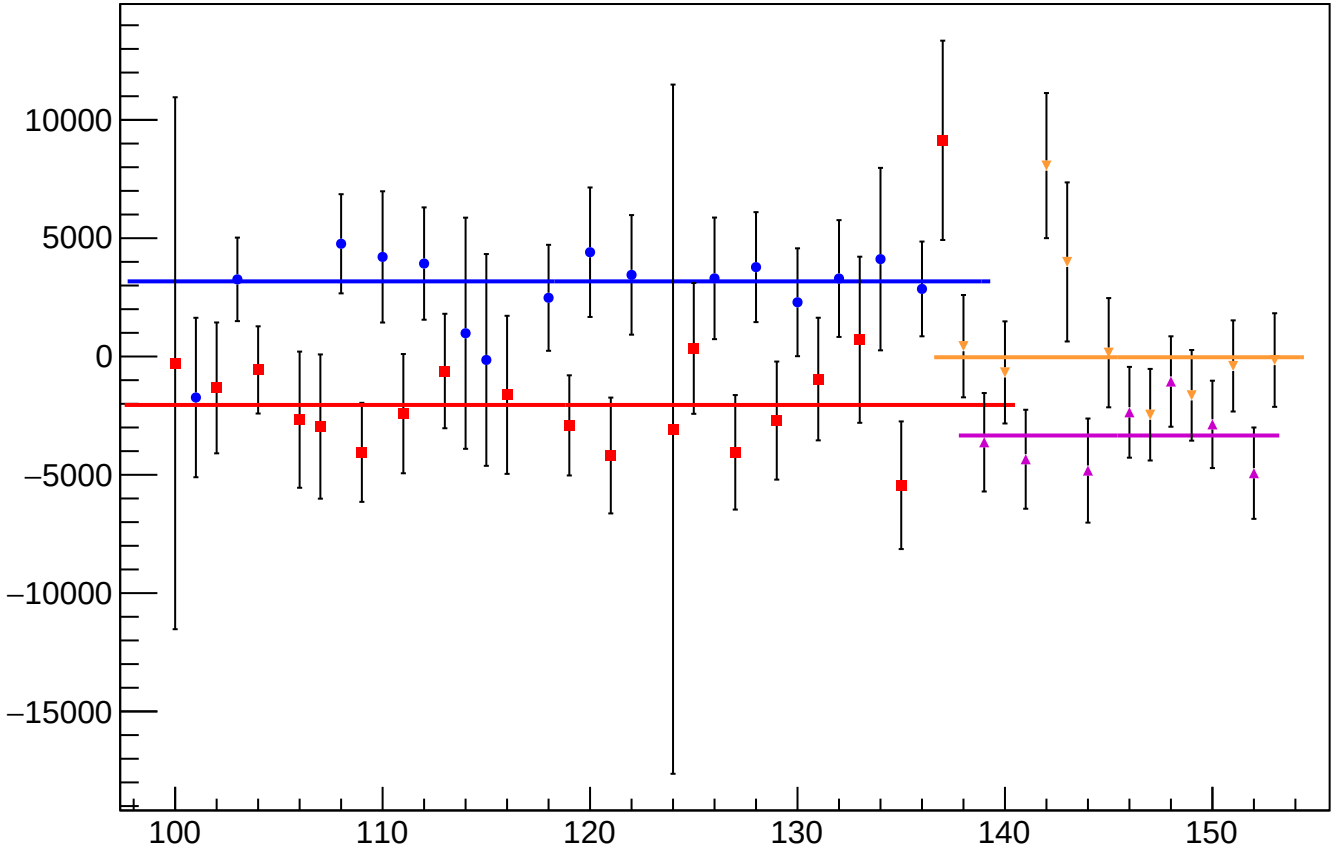
+ sign -0.000+/-0.000 χ^2/NDF: 26.6/24

All: -0.000+/-0.000 χ^2/NDF: 52.0/50

- sign -0.000+/-0.000 χ^2/NDF: 25.5/25


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:647489.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:634710.1/6
+ sign 0.000+/-0.000 χ²/NDF: 4532389.3/24
All: 0.000+/-0.000 χ²/NDF: 9857578.3/50
- sign 0.000+/-0.000 χ²/NDF: 5265342.9/25

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: -31.349+/-730.152 χ^2/NDF:10.9/8

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

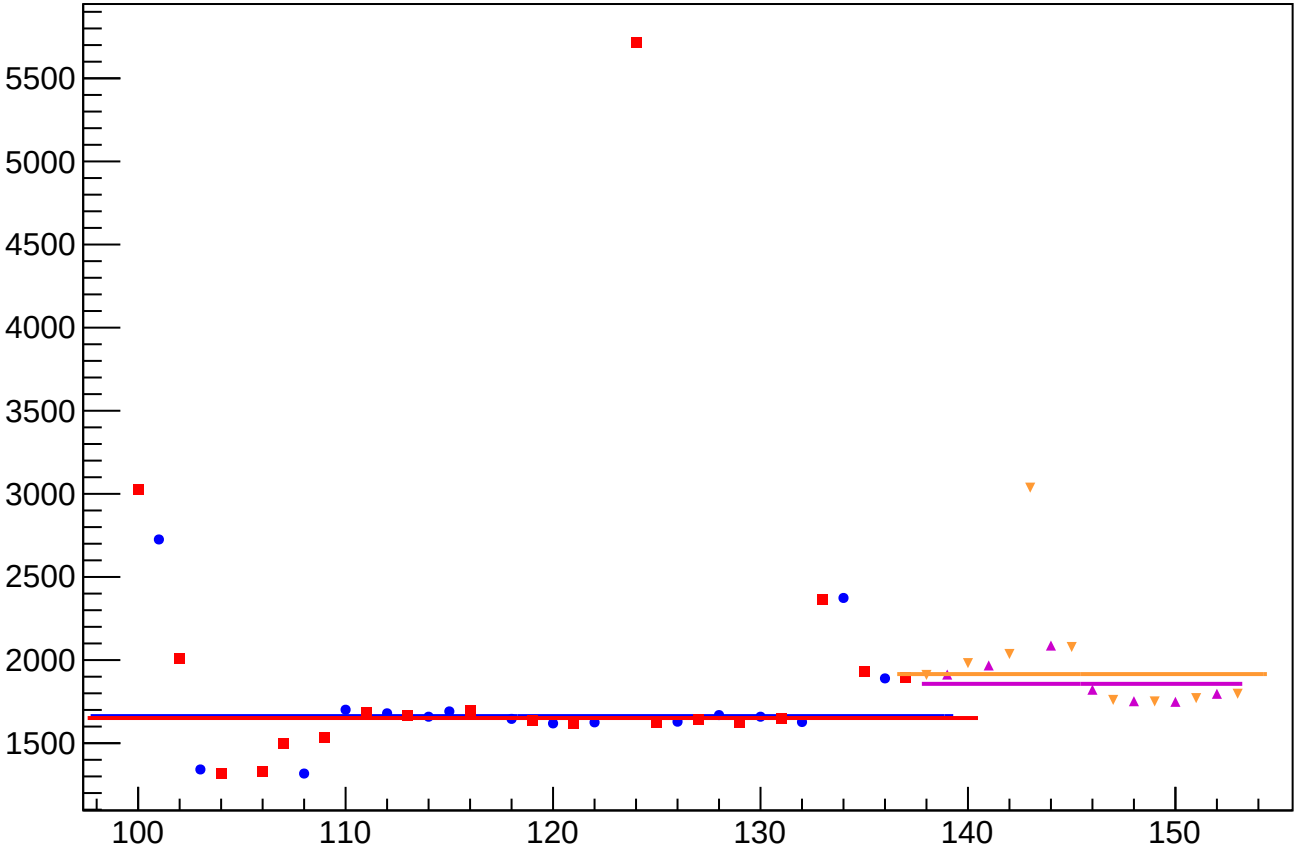
Left In: -3338.418+/-750.942 χ^2/NDF:3.1/6

+ sign 1811.996+/-476.115 χ^2/NDF: 26.3/24

All: -367.831+/-337.606 χ^2/NDF: 87.4/50

- sign -2572.220+/-478.789 χ^2/NDF: 18.9/25

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1915.744+/-0.516 χ^2/NDF:283665.9/8

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

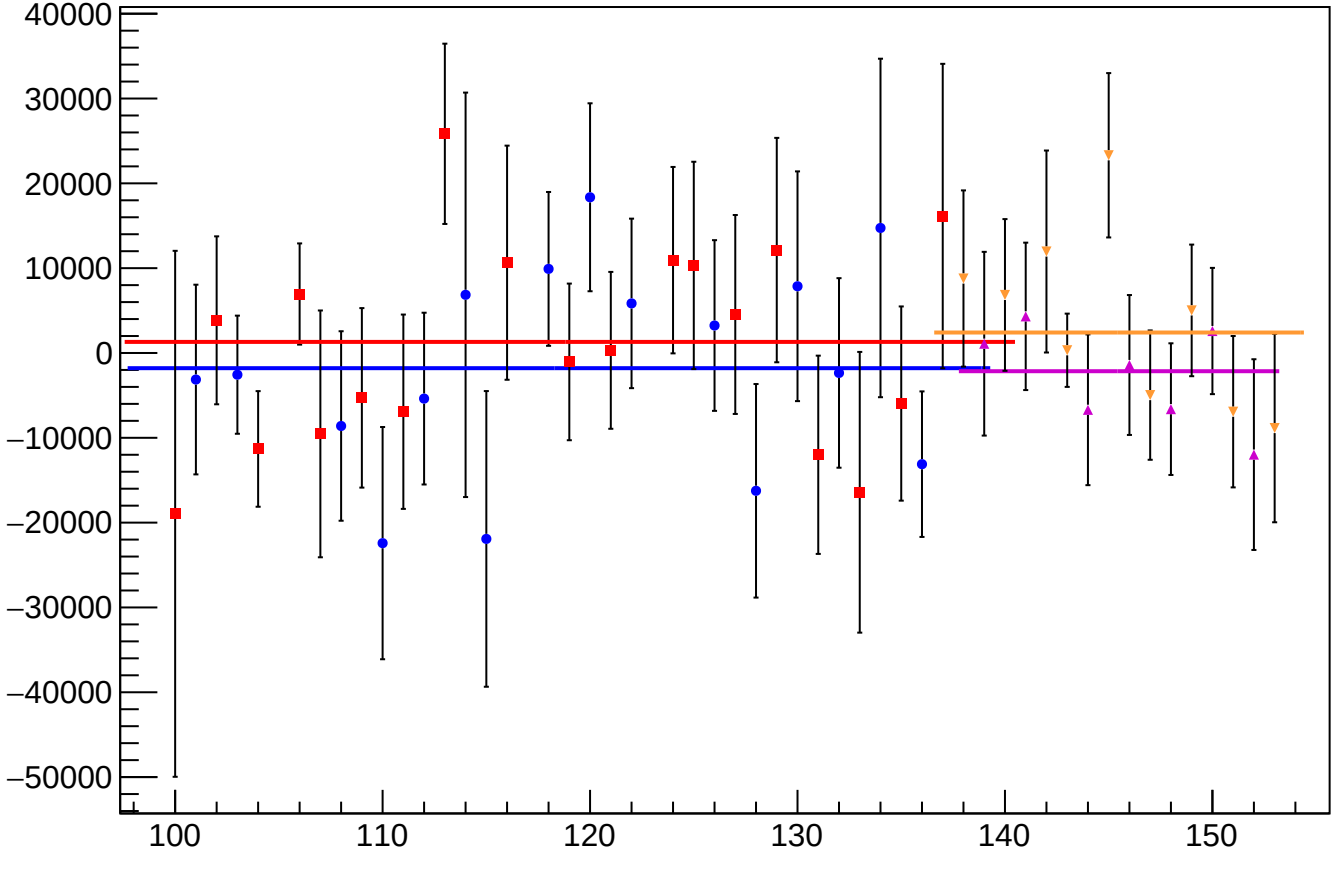
Left In: 1856.962+/-0.531 χ^2/NDF:44368.1/6

+ sign 1770.411+/-0.337 χ^2/NDF: 837150.9/24

All: 1752.764+/-0.239 χ^2/NDF: 1408021.4/50

- sign 1734.918+/-0.339 χ^2/NDF: 565344.3/25

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 2413.522+/-2603.266 χ^2/NDF:9.3/8

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

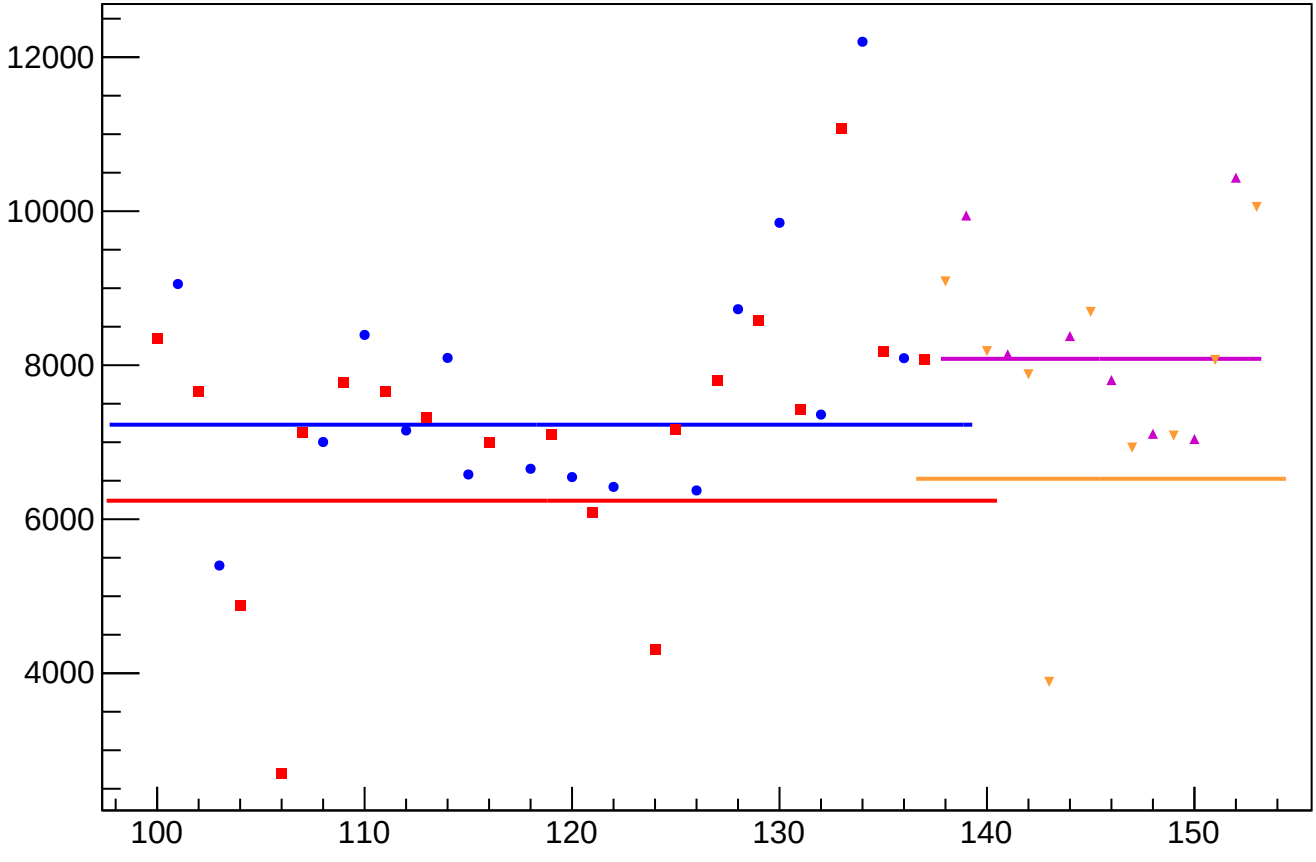
Left In: -2149.099+/-3302.206 χ^2/NDF:2.4/6

+ sign 421.536+/-1888.456 χ^2/NDF: 24.9/24

All: 262.871+/-1359.002 χ^2/NDF: 45.8/50

- sign 92.439+/-1957.225 χ^2/NDF: 20.9/25

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6525.281+/-1.841 χ^2/NDF:1339958.8/8

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

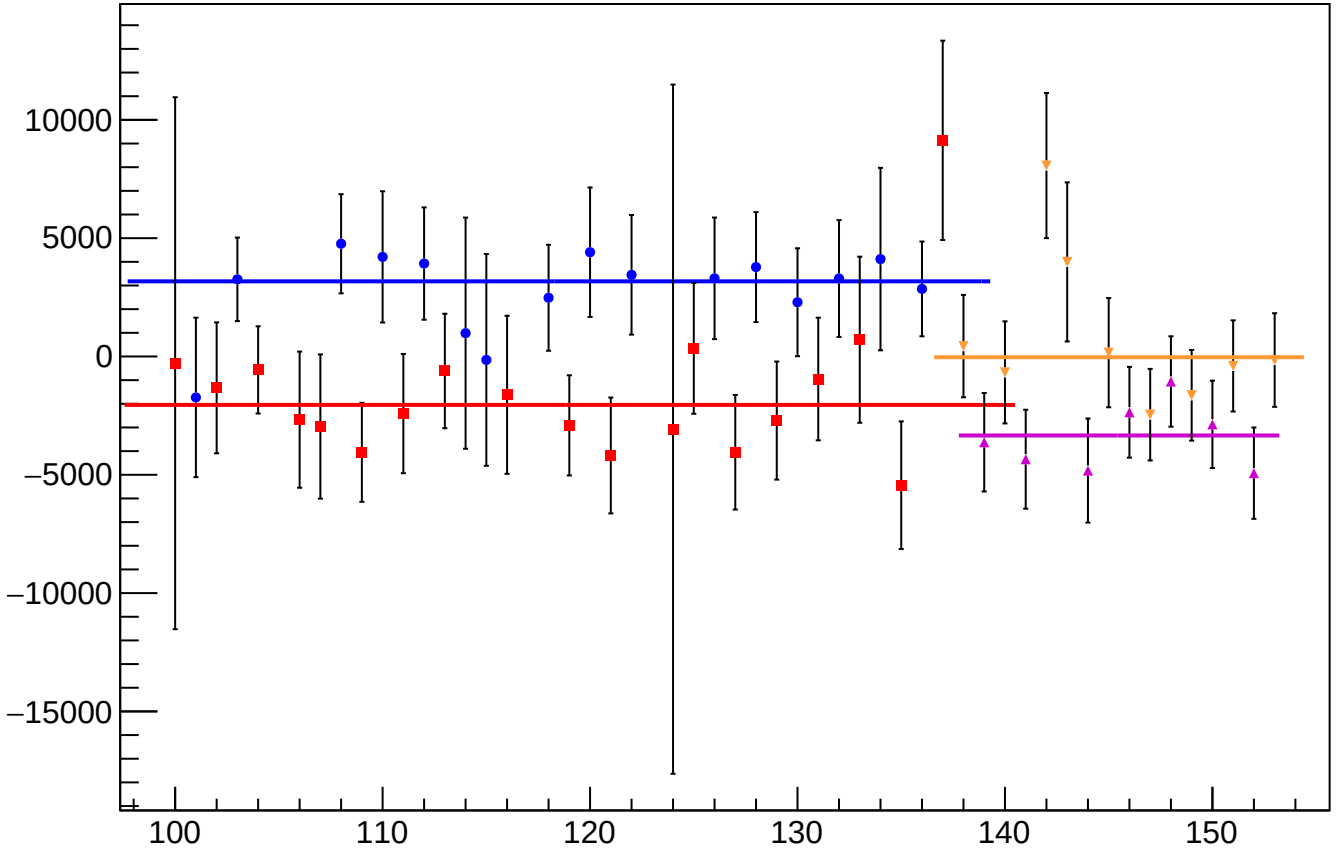
Left In: 8082.957+/-2.335 χ^2/NDF:221828.1/6

+ sign 6858.013+/-1.335 χ^2/NDF: 1912182.7/24

All: 6872.367+/-0.961 χ^2/NDF: 3937192.9/50

- sign 6887.785+/-1.384 χ^2/NDF: 2024770.5/25

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -31.400+/-730.152 χ^2/NDF:10.9/8

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

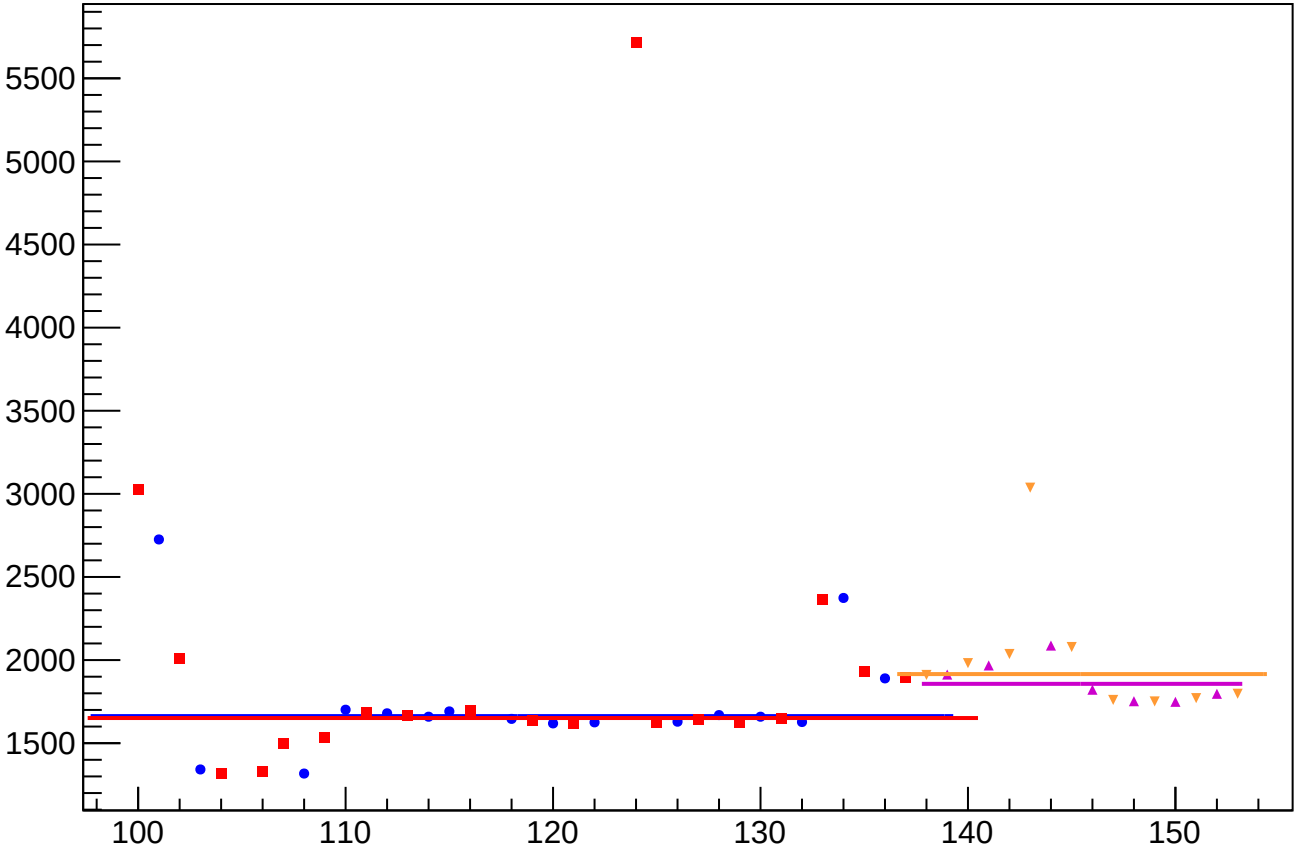
Left In: -3338.570+/-750.942 χ^2/NDF:3.1/6

+ sign 1812.026+/-476.115 χ^2/NDF: 26.3/24

All: -367.789+/-337.606 χ^2/NDF: 87.4/50

- sign -2572.167+/-478.790 χ^2/NDF: 18.9/25

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1915.745+/-0.516 χ^2/NDF:283665.9/8

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

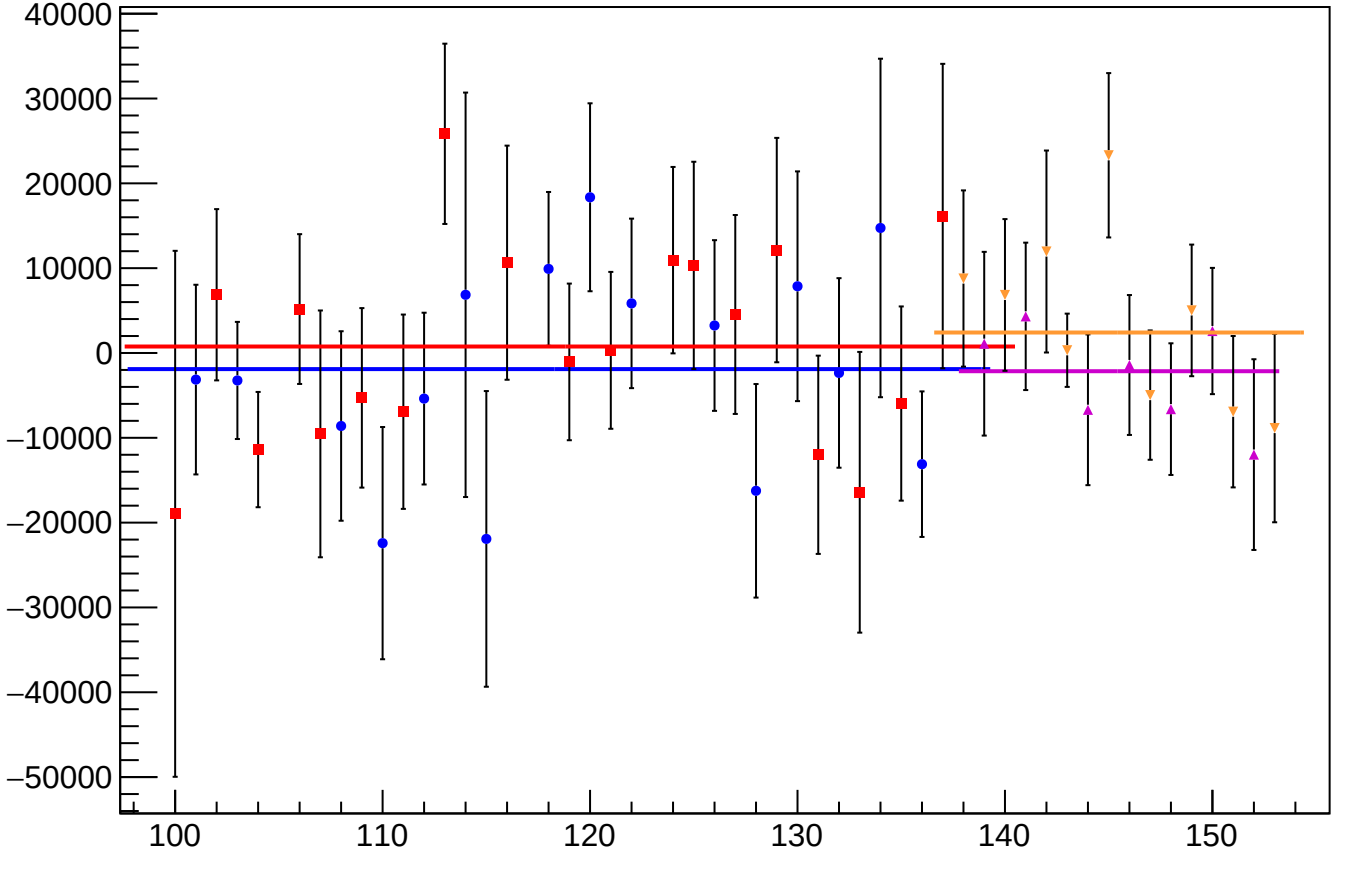
Left In: 1856.962+/-0.531 χ^2/NDF:44368.1/6

+ sign 1770.411+/-0.337 χ^2/NDF: 837151.3/24

All: 1752.764+/-0.239 χ^2/NDF: 1408022.1/50

- sign 1734.918+/-0.339 χ^2/NDF: 565344.5/25

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 2413.423+/-2603.254 χ^2/NDF:9.3/8

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

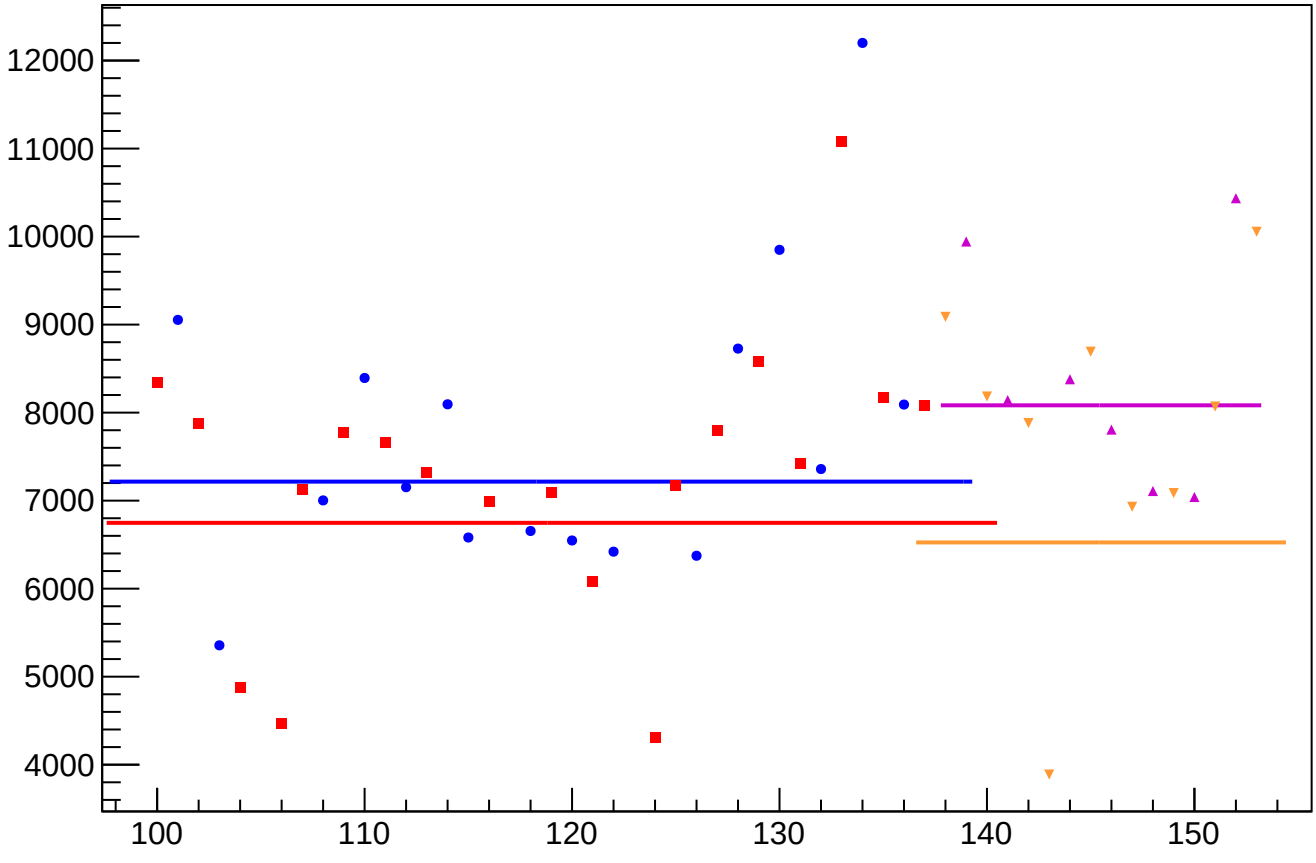
Left In: -2149.205+/-3302.204 χ^2/NDF:2.4/6

\+ sign 366.934+/-1887.255 χ^2/NDF: 25.0/24

All: 44.081+/-1378.477 χ^2/NDF: 45.2/50

\- sign -325.145+/-2018.252 χ^2/NDF: 20.2/25

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6525.243+/-1.841 χ^2/NDF:1339996.4/8

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

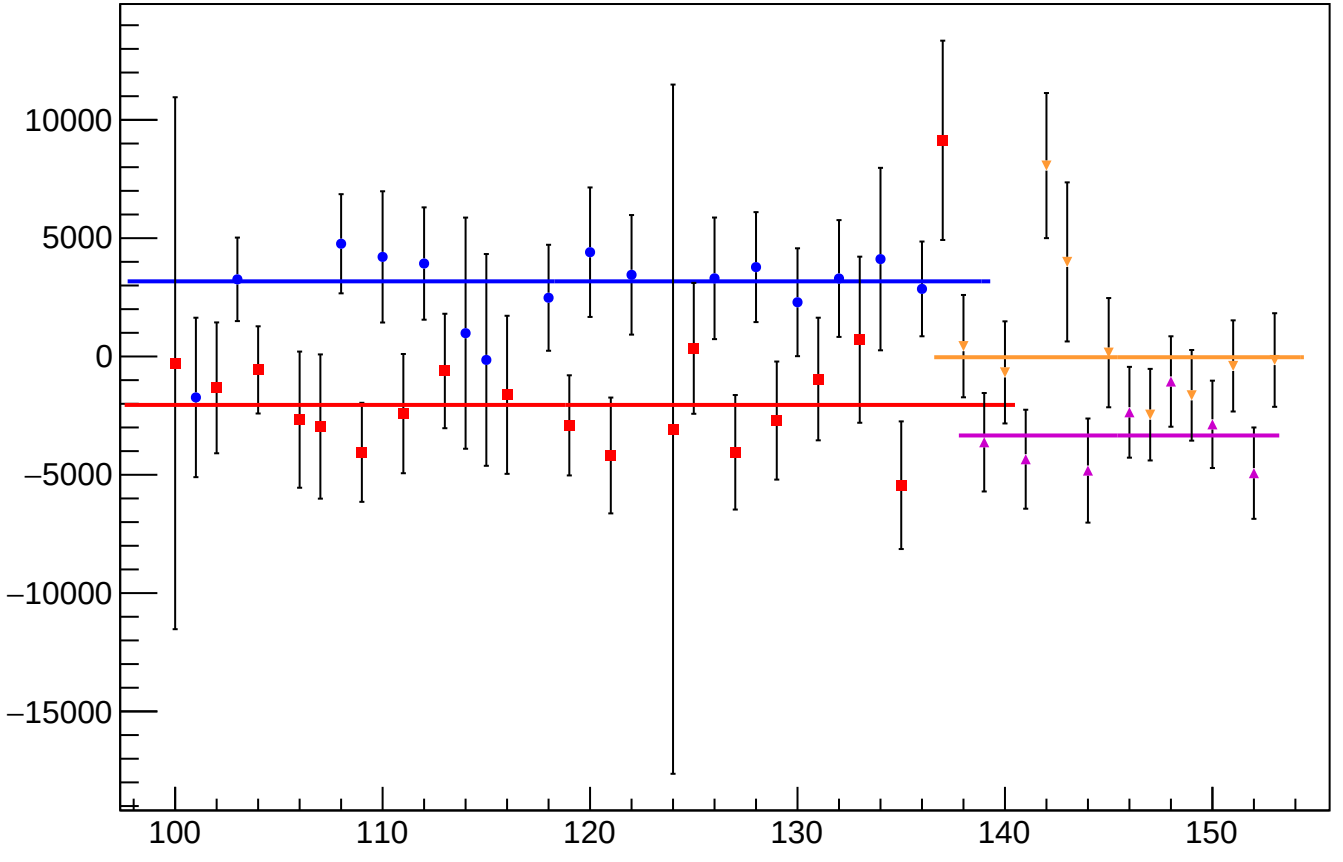
Left In: 8082.952+/-2.335 χ^2/NDF:221829.8/6

+ sign 6852.975+/-1.334 χ^2/NDF: 1918935.5/24

All: 7036.552+/-0.975 χ^2/NDF: 3094964.4/50

- sign 7246.499+/-1.427 χ^2/NDF: 1135463.0/25

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -31.400+/-730.152 χ^2/NDF:10.9/8

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

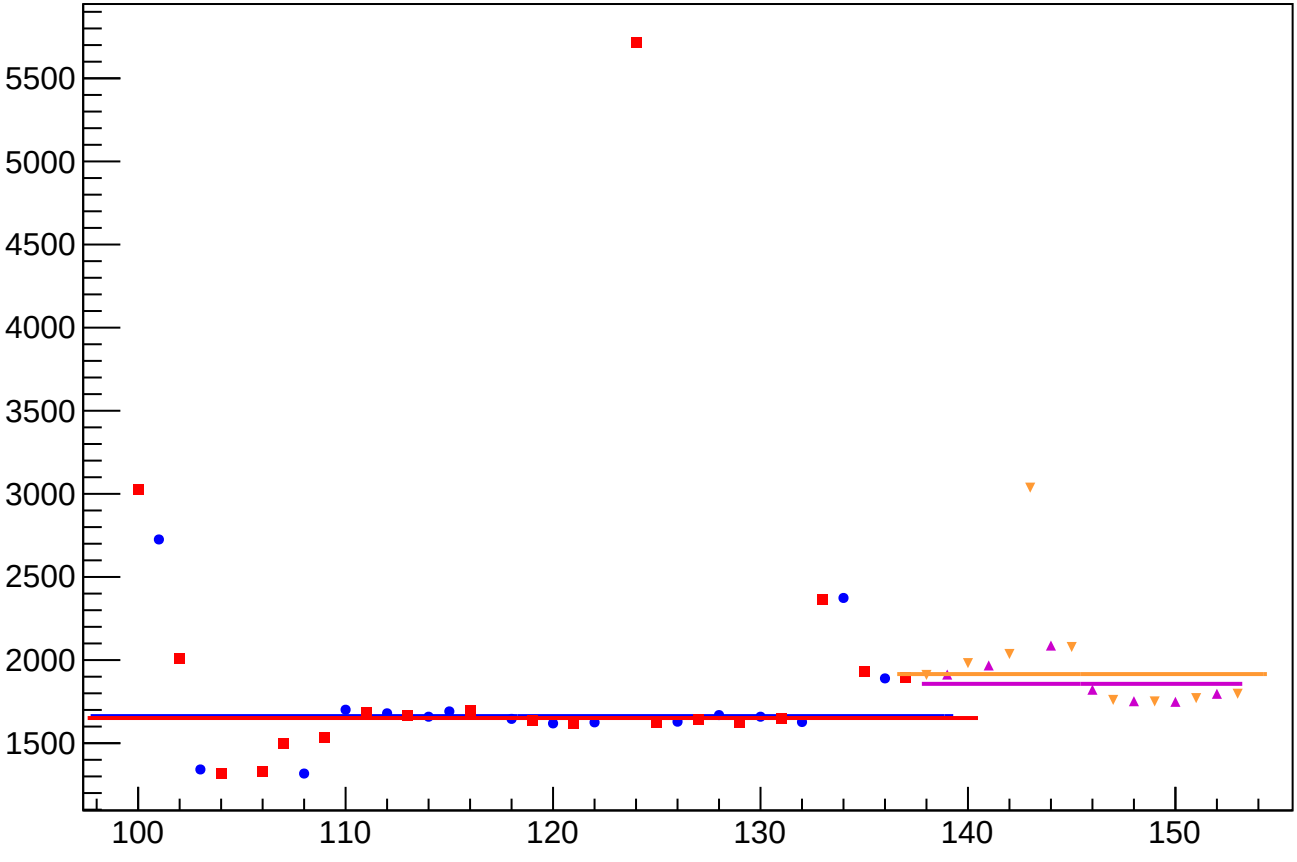
Left In: -3338.570+/-750.942 χ^2/NDF:3.1/6

+ sign 1812.026+/-476.115 χ^2/NDF: 26.3/24

All: -367.789+/-337.606 χ^2/NDF: 87.4/50

- sign -2572.167+/-478.790 χ^2/NDF: 18.9/25

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1915.745+/-0.516 χ^2/NDF:283665.9/8

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

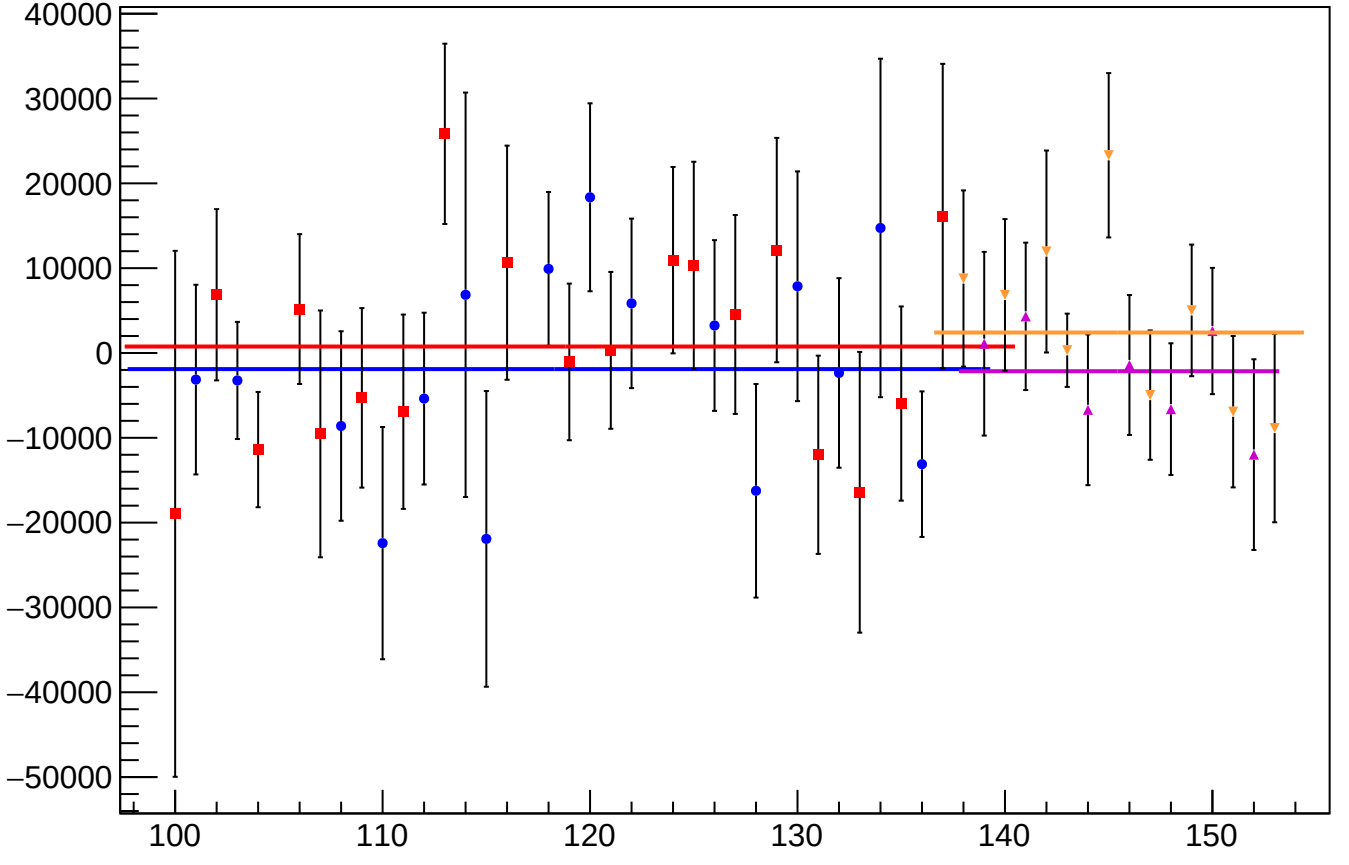
Left In: 1856.962+/-0.531 χ^2/NDF:44368.1/6

+ sign 1770.411+/-0.337 χ^2/NDF: 837151.3/24

All: 1752.764+/-0.239 χ^2/NDF: 1408022.1/50

- sign 1734.918+/-0.339 χ^2/NDF: 565344.5/25

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 2413.423+/-2603.254 χ^2/NDF:9.3/8

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

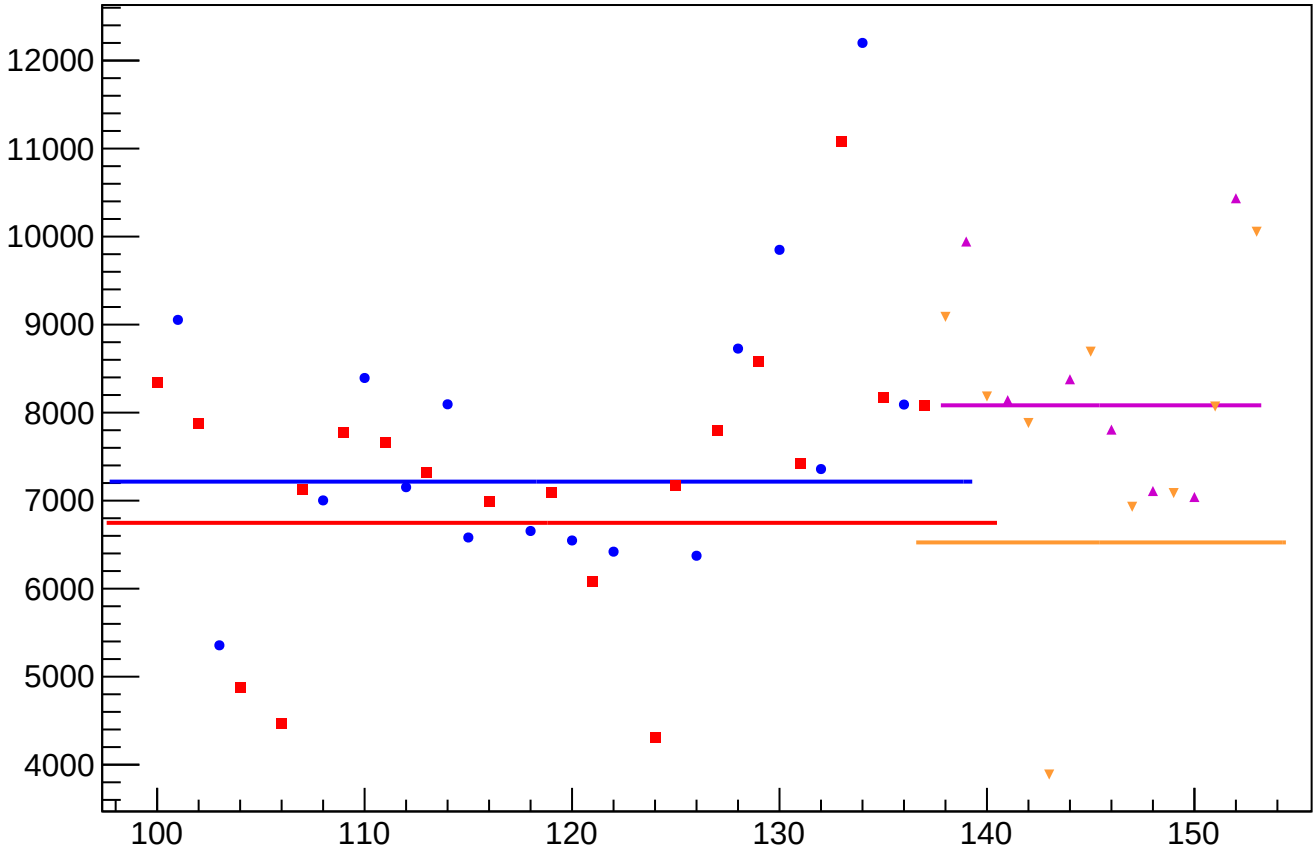
Left In: -2149.205+/-3302.204 χ^2/NDF:2.4/6

\+ sign 366.934+/-1887.255 χ^2/NDF: 25.0/24

All: 44.081+/-1378.477 χ^2/NDF: 45.2/50

\- sign -325.145+/-2018.252 χ^2/NDF: 20.2/25

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6525.243+/-1.841 χ^2/NDF:1339996.4/8

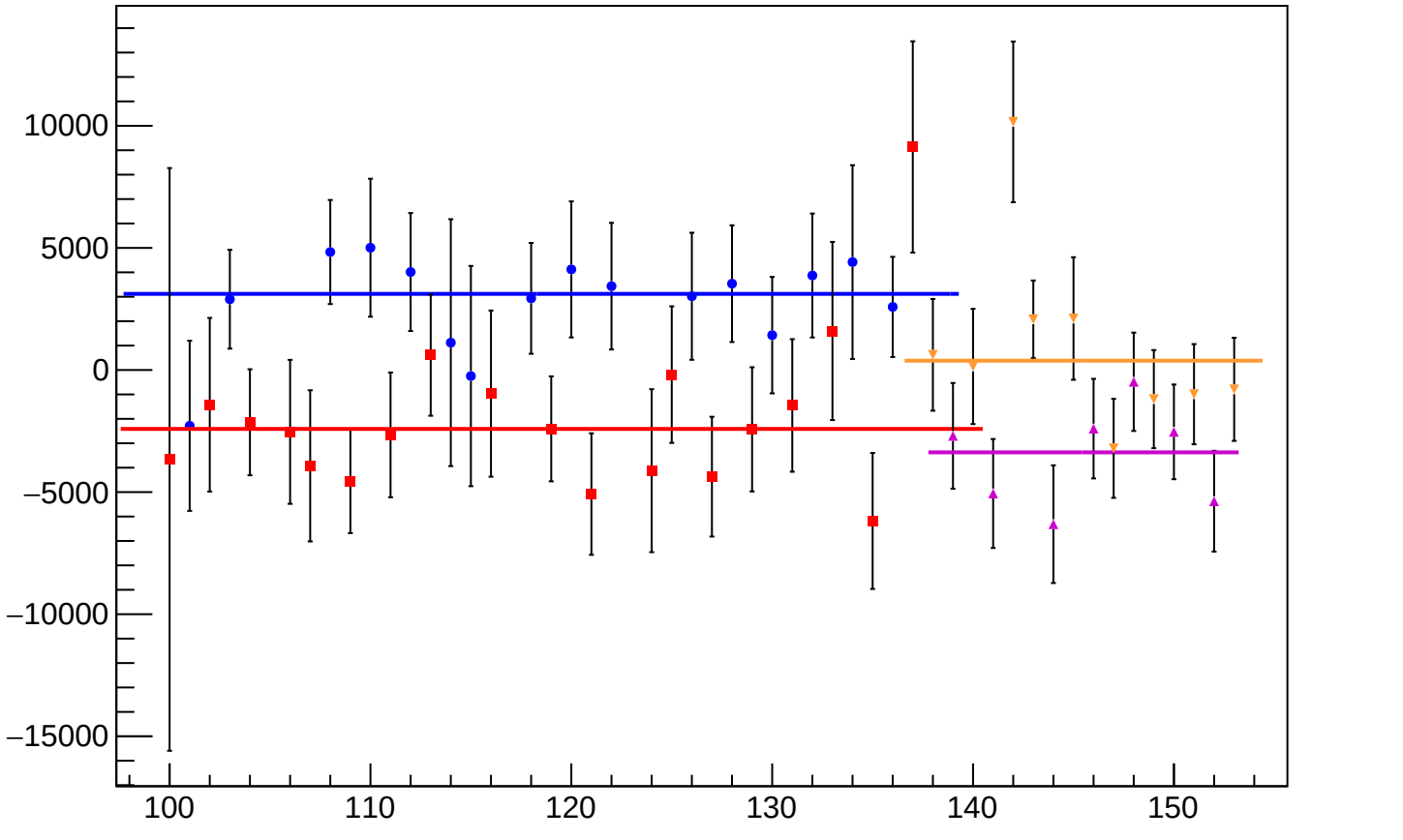
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8082.952+/-2.335 χ^2/NDF:221829.8/6

+ sign 6852.975+/-1.334 χ^2/NDF: 1918935.5/24

All: 7036.552+/-0.975 χ^2/NDF: 3094964.4/50

- sign 7246.499+/-1.427 χ^2/NDF: 1135463.0/25



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 381.981+/-712.122 χ^2/NDF:15.0/8

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

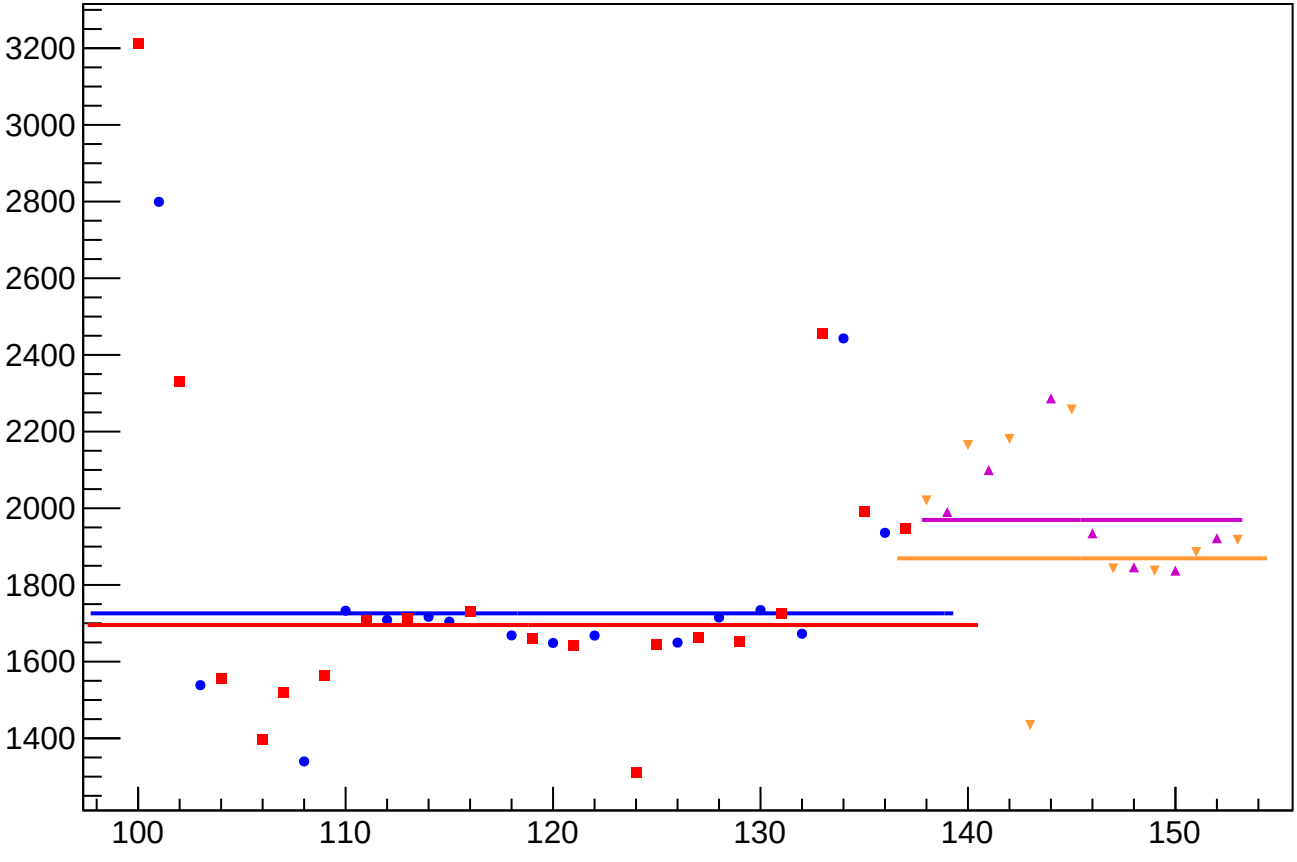
Left In: -3372.301+/-797.198 χ^2/NDF:5.6/6

+ sign 1872.113+/-480.532 χ^2/NDF: 28.3/24

All: -371.931+/-346.000 χ^2/NDF: 96.1/50

- sign -2787.942+/-498.605 χ^2/NDF: 22.4/25

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1869.496+/-0.504 χ^2/NDF:257827.8/8

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

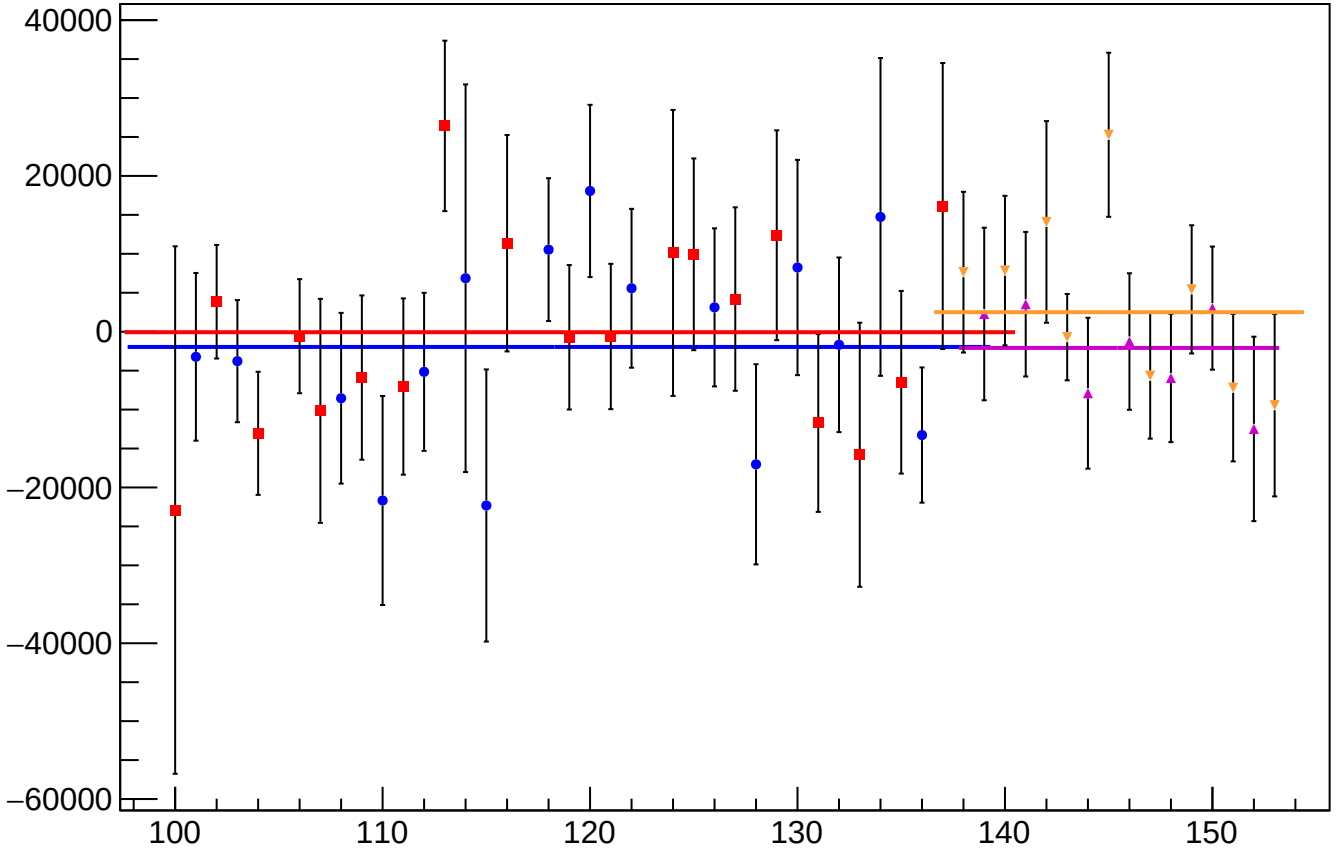
Left In: 1969.581+/-0.564 χ^2/NDF:60032.9/6

+ sign 1791.291+/-0.340 χ^2/NDF: 667752.5/24

All: 1796.737+/-0.245 χ^2/NDF: 1158028.2/50

- sign 1802.599+/-0.352 χ^2/NDF: 489742.2/25

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 2501.577+/-2932.556 χ^2/NDF:9.6/8

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

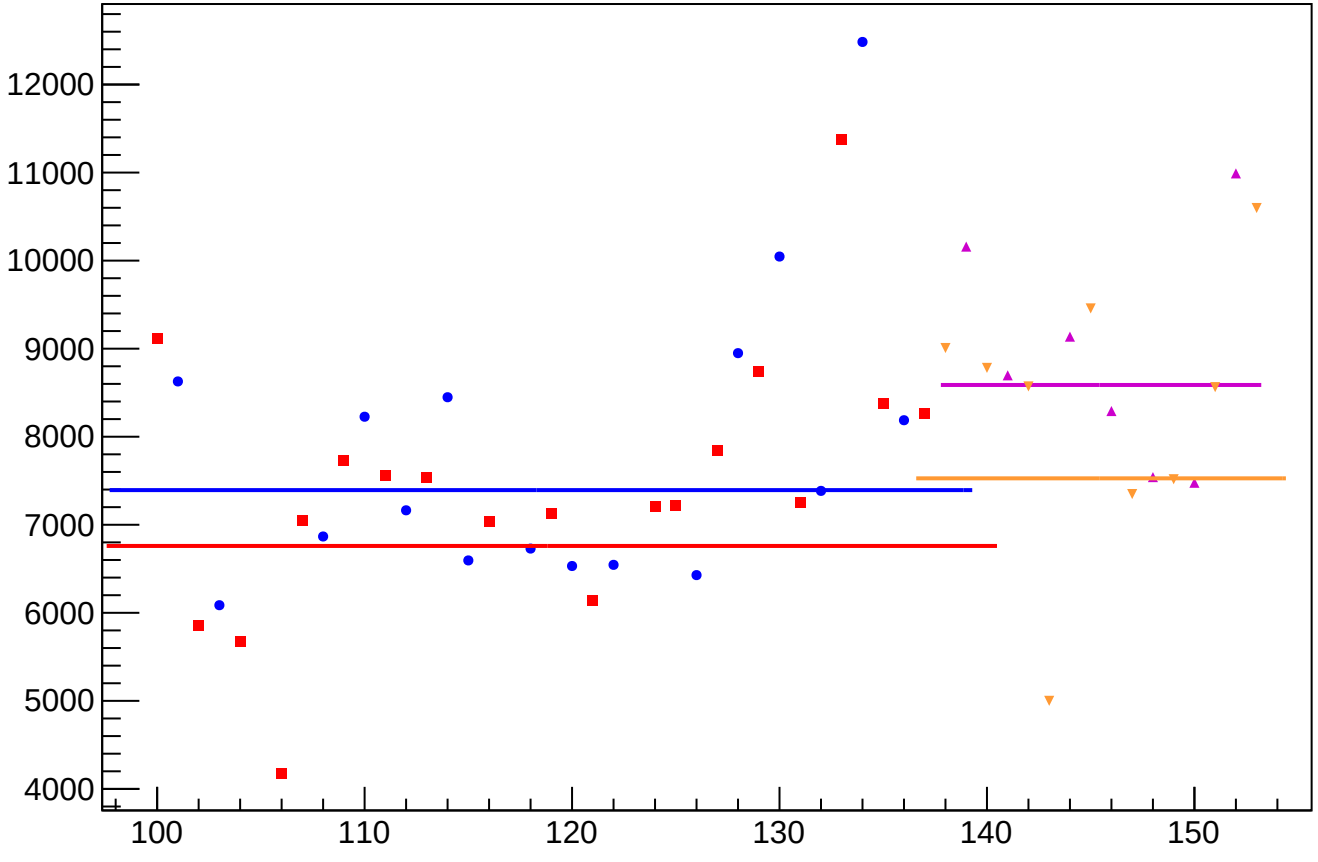
Left In: -2083.645+/-3506.449 χ^2/NDF:2.3/6

\+ sign 167.086+/-2024.499 χ^2/NDF: 25.2/24

All: -289.352+/-1440.969 χ^2/NDF: 43.9/50

\- sign -758.021+/-2051.442 χ^2/NDF: 18.6/25

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7527.226+/-2.074 χ^2/NDF:733433.6/8

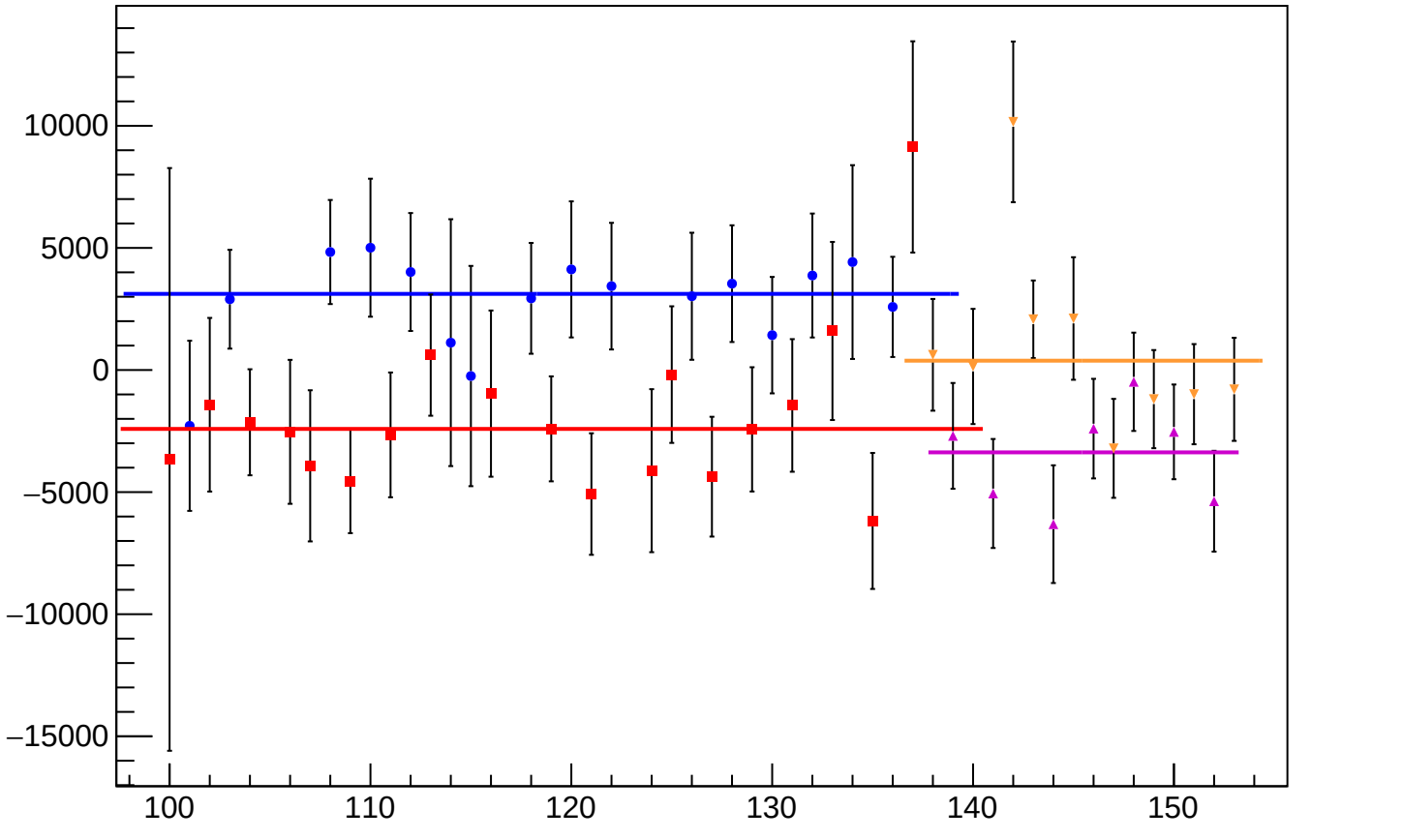
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 8587.755+/-2.479 χ^2/NDF:203413.2/6

+ sign 7457.296+/-1.432 χ^2/NDF: 1137433.2/24

All: 7421.740+/-1.019 χ^2/NDF: 2344025.0/50

- sign 7385.230+/-1.451 χ^2/NDF: 1205341.4/25



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 381.979+/-712.123 χ^2/NDF:15.0/8

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

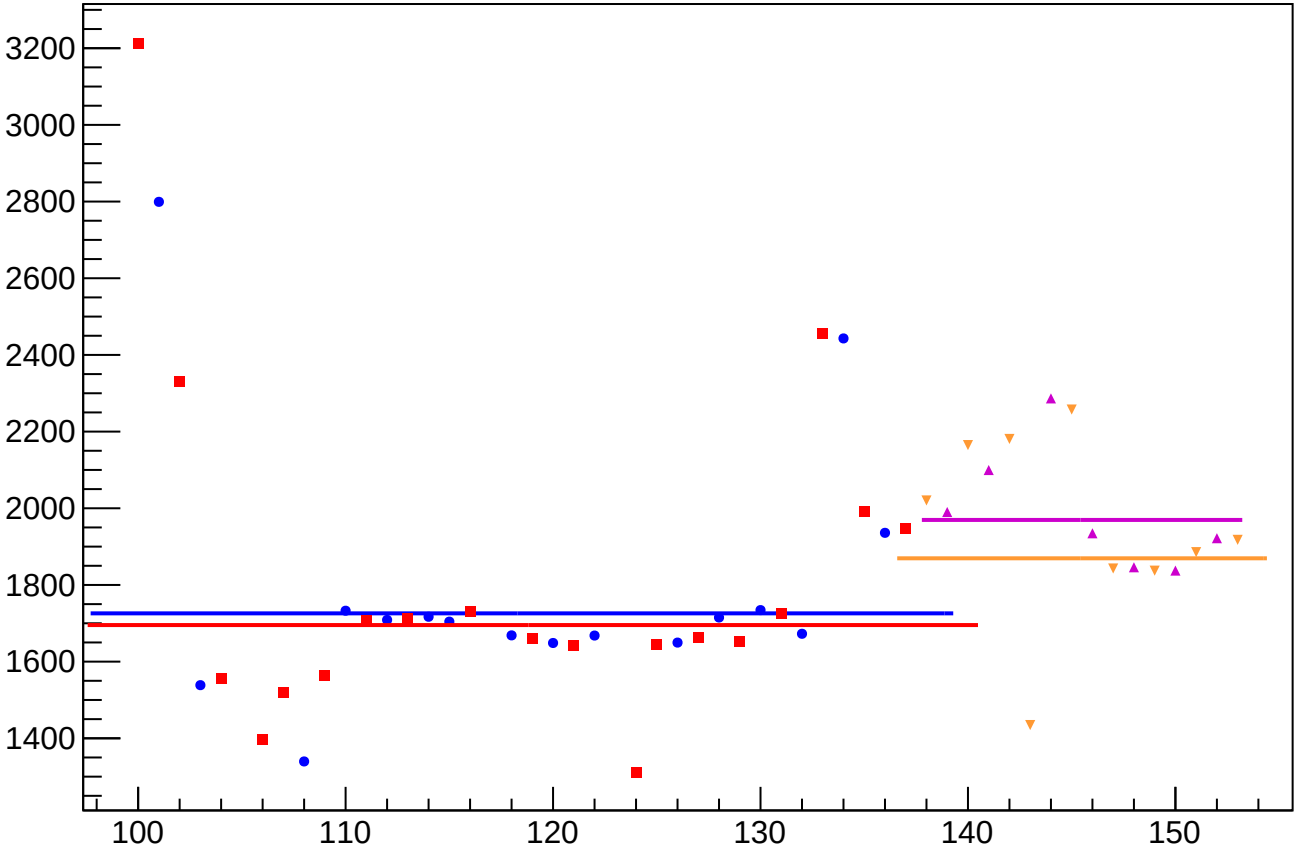
Left In: -3372.297+/-797.199 χ^2/NDF:5.6/6

+ sign 1872.116+/-480.532 χ^2/NDF: 28.3/24

All: -371.931+/-346.000 χ^2/NDF: 96.1/50

- sign -2787.944+/-498.605 χ^2/NDF: 22.4/25

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1869.498+/-0.504 χ^2/NDF:257828.3/8

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

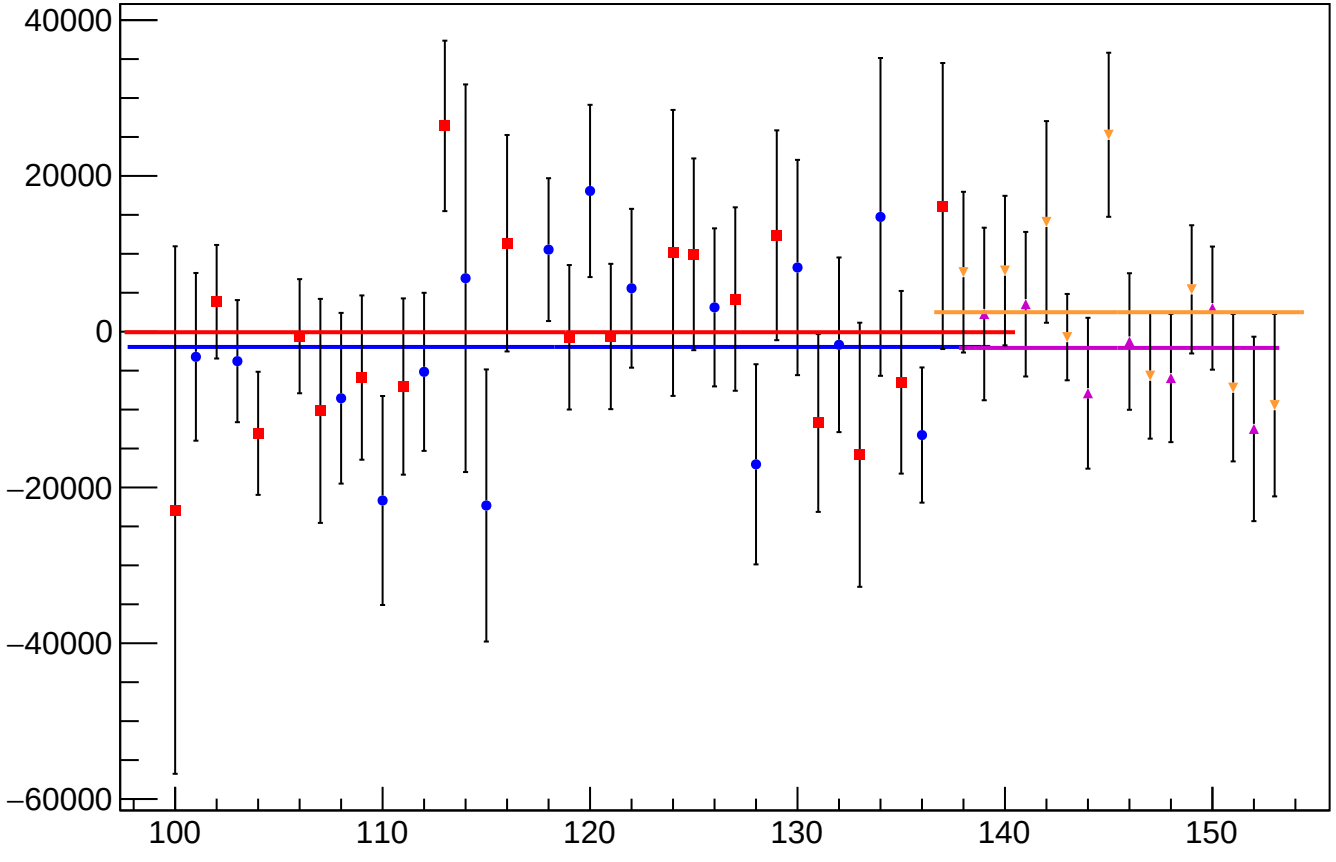
Left In: 1969.584+/-0.564 χ^2/NDF:60033.3/6

+ sign 1791.292+/-0.340 χ^2/NDF: 667754.7/24

All: 1796.738+/-0.245 χ^2/NDF: 1158033.9/50

- sign 1802.599+/-0.352 χ^2/NDF: 489745.7/25

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 2501.572+/-2932.560 χ^2/NDF:9.6/8

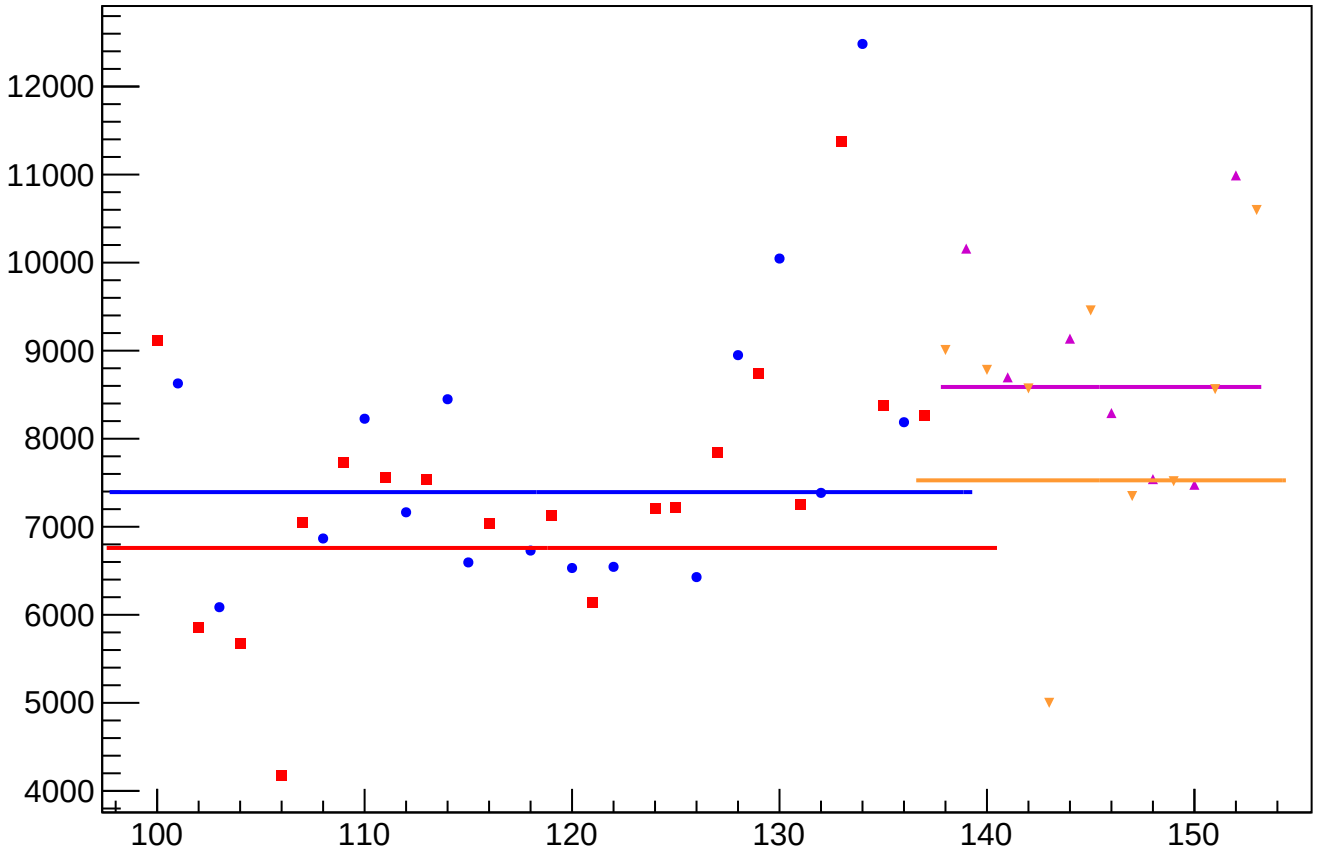
Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -2083.642+/-3506.454 χ^2/NDF:2.3/6

+ sign 167.087+/-2024.498 χ^2/NDF: 25.2/24

All: -289.353+/-1440.967 χ^2/NDF: 43.9/50

- sign -758.021+/-2051.440 χ^2/NDF: 18.6/25



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7527.237+/-2.074 χ^2/NDF:733433.2/8

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

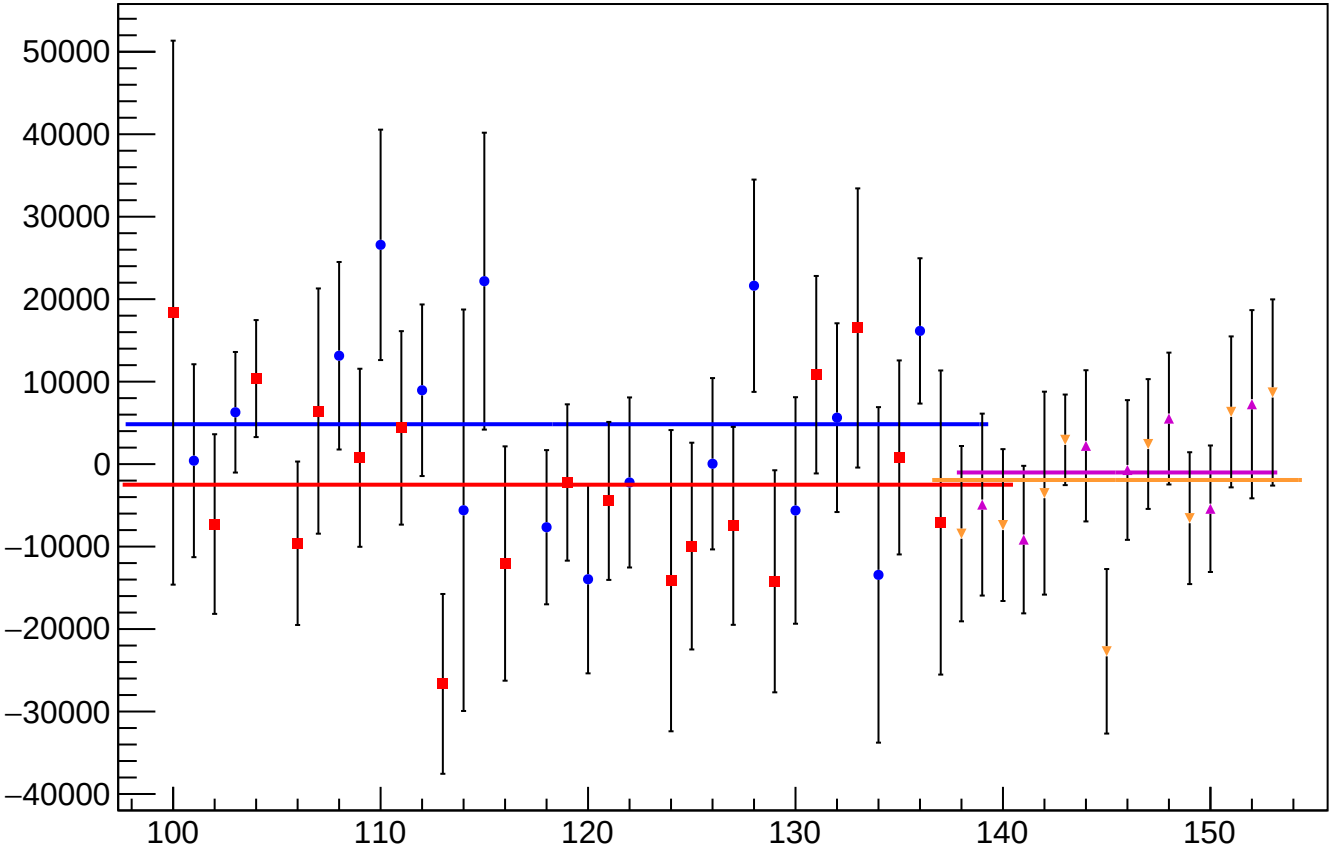
Left In: 8587.766+/-2.479 χ^2/NDF:203413.9/6

+ sign 7457.292+/-1.432 χ^2/NDF: 1137436.0/24

All: 7421.733+/-1.019 χ^2/NDF: 2344037.2/50

- sign 7385.222+/-1.451 χ^2/NDF: 1205350.7/25

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -1924.759+/-2862.396 χ^2/NDF:8.2/8

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

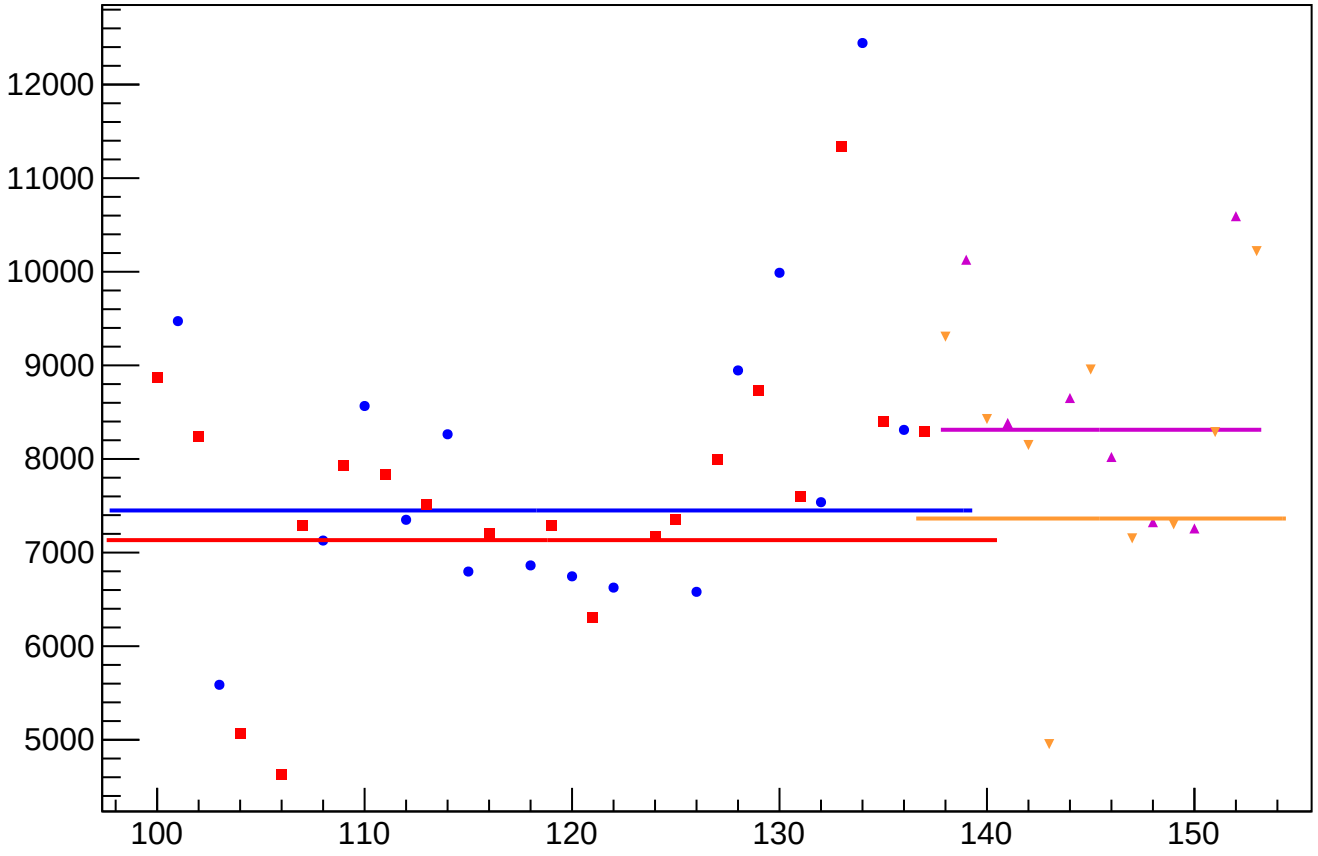
Left In: -1013.595+/-3392.807 χ^2/NDF:2.6/6

+ sign 1496.309+/-2012.079 χ^2/NDF: 25.4/24

All: -131.399+/-1456.313 χ^2/NDF: 44.4/50

- sign -1922.279+/-2110.523 χ^2/NDF: 17.6/25

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7363.953+/-2.024 χ^2/NDF:687723.3/8

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

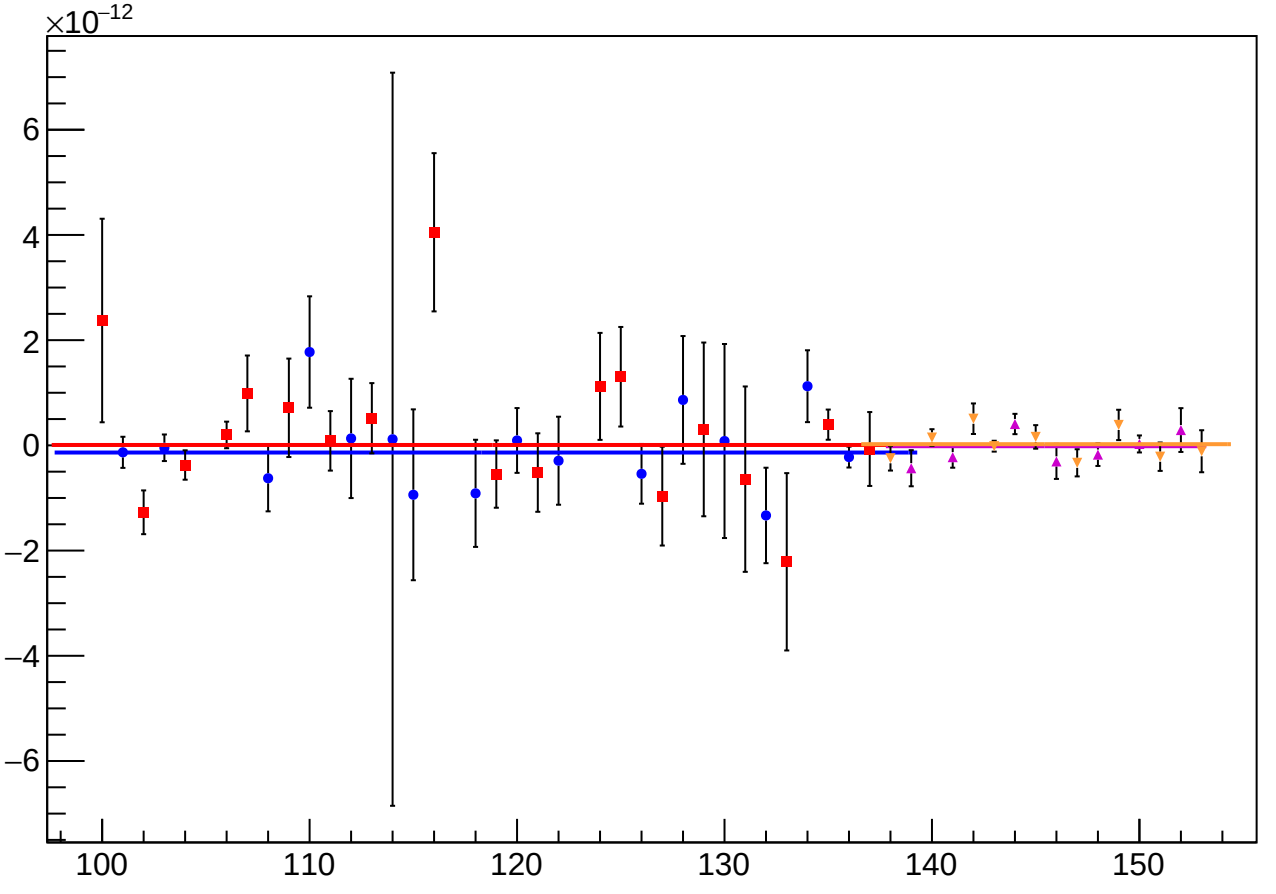
Left In: 8312.017+/-2.399 χ^2/NDF:207710.0/6

\+ sign 7407.476+/-1.423 χ^2/NDF: 1175065.0/24

All: 7494.032+/-1.030 χ^2/NDF: 2095582.2/50

\- sign 7589.259+/-1.492 χ^2/NDF: 912744.1/25

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/8

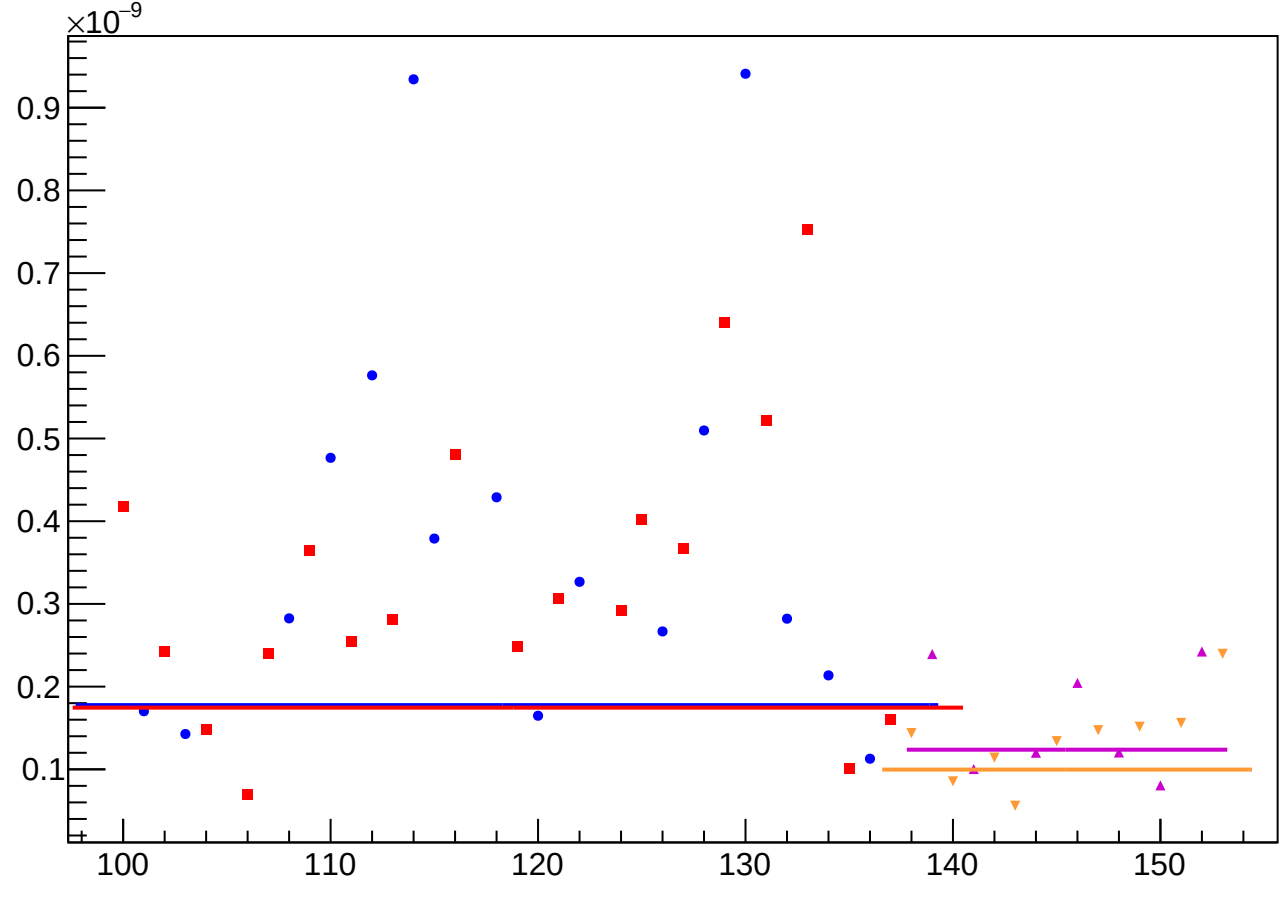
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/24

All: -0.000+/-0.000 χ^2/NDF: 64.6/50

- sign -0.000+/-0.000 χ^2/NDF: 42.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:962923.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

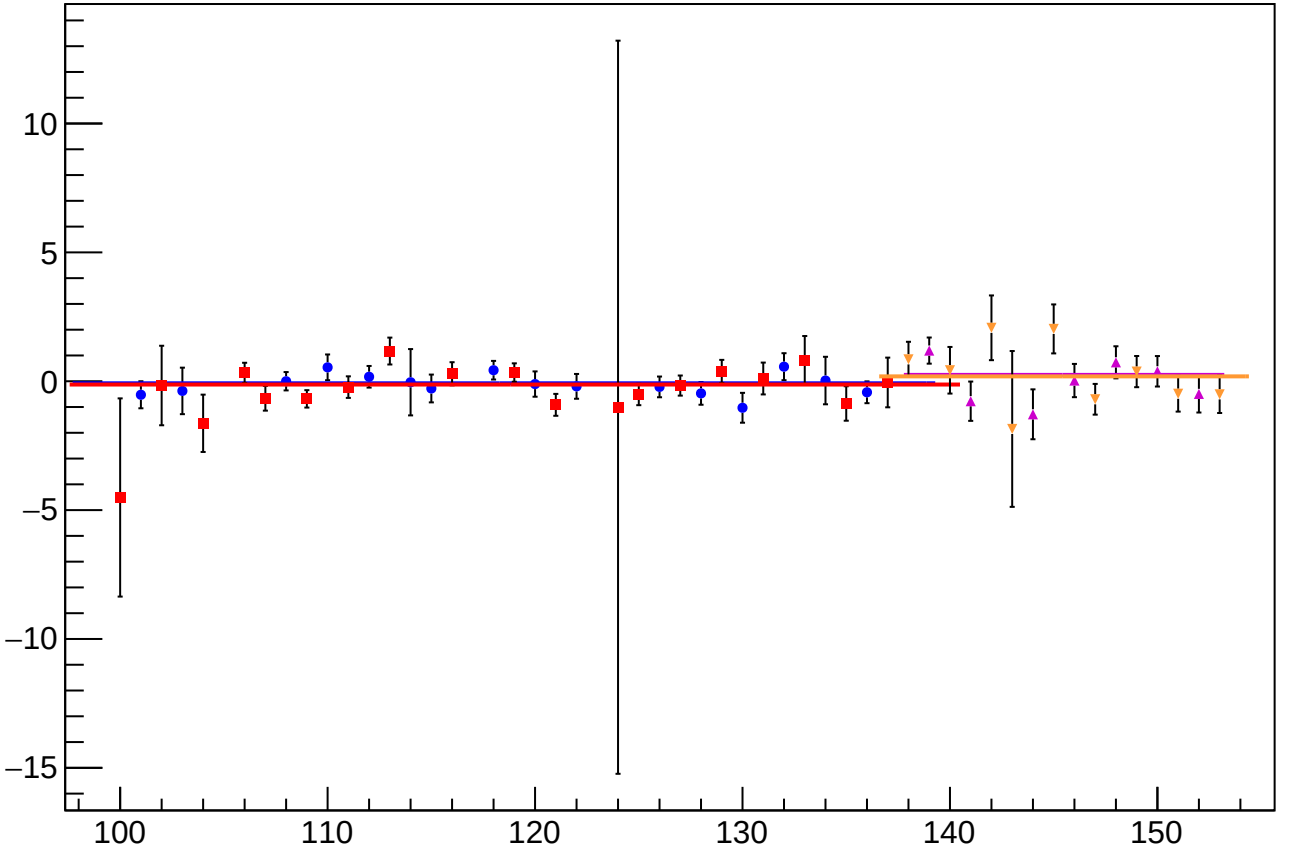
Left In: 0.000+/-0.000 χ^2/NDF:677738.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 3143010.3/24

All: 0.000+/-0.000 χ^2/NDF: 5815068.4/50

- sign 0.000+/-0.000 χ^2/NDF: 2548164.8/25

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.189+/-0.260 χ^2/NDF:11.7/8

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

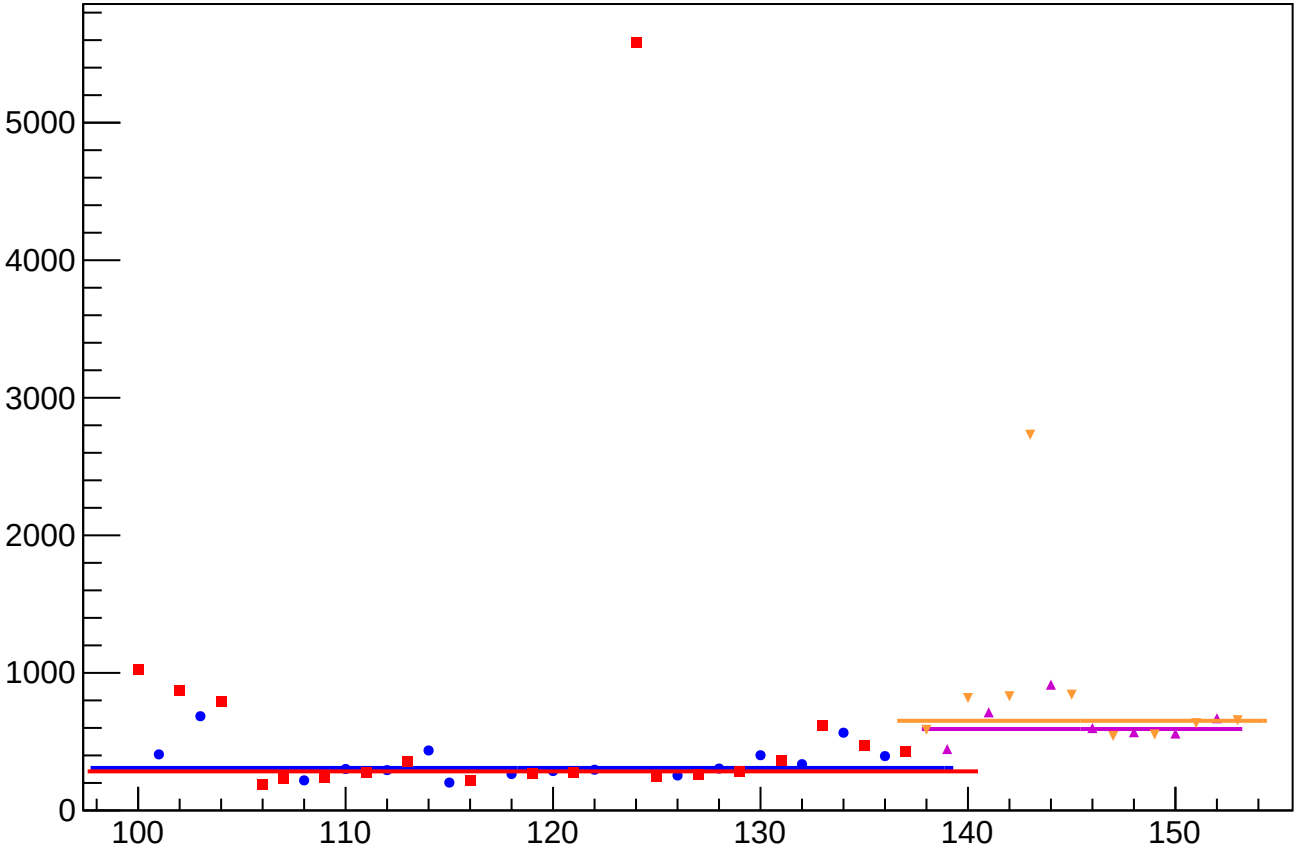
Left In: 0.246+/-0.247 χ^2/NDF:9.6/6

+ sign -0.032+/-0.110 χ^2/NDF: 23.3/24

All: -0.046+/-0.076 χ^2/NDF: 60.0/50

- sign -0.059+/-0.106 χ^2/NDF: 36.7/25

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 651.892+/-0.184 χ^2/NDF:1275596.5/8

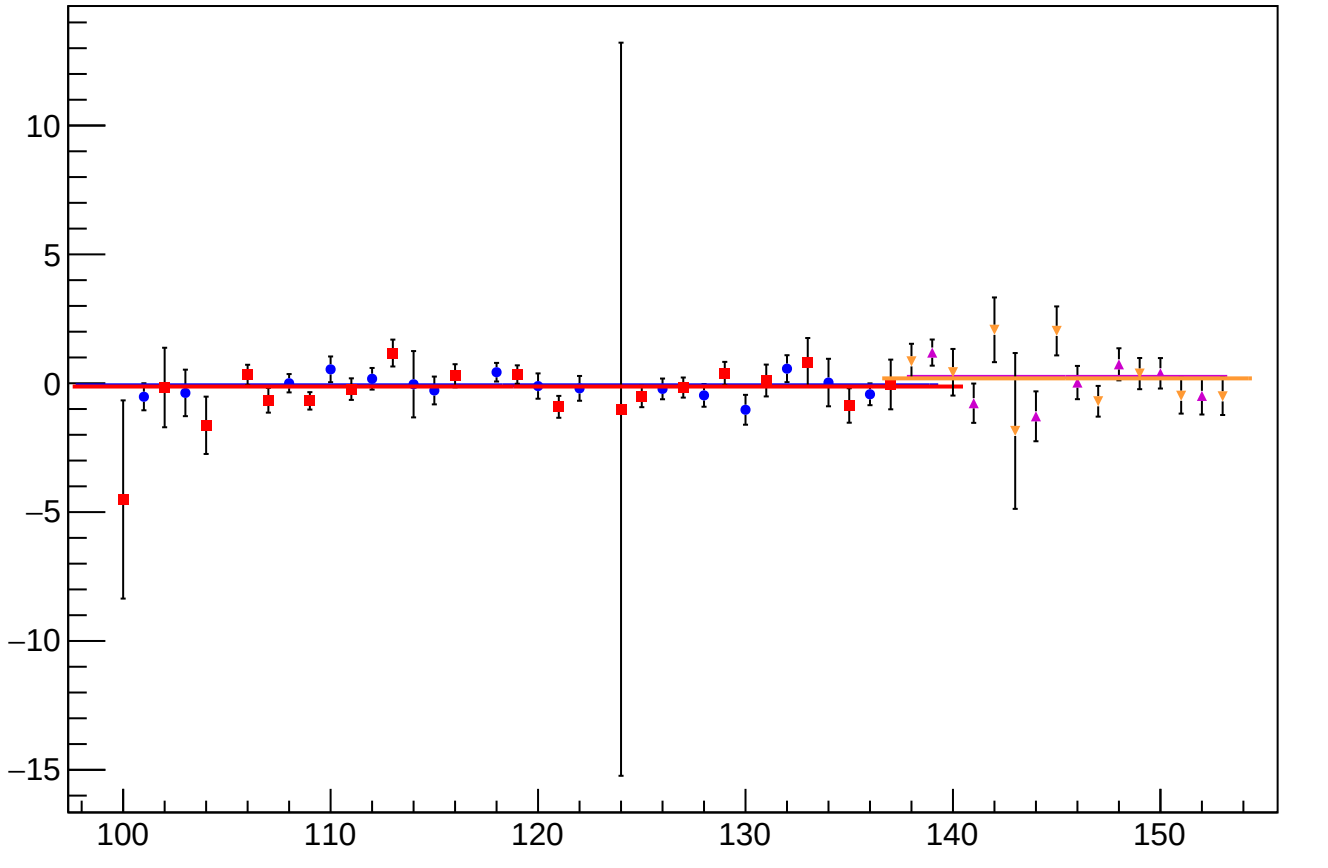
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 592.036+/-0.174 χ^2/NDF:469968.1/6

+ sign 370.723+/-0.078 χ^2/NDF: 5135277.5/24

All: 355.029+/-0.054 χ^2/NDF: 10082541.6/50

- sign 340.650+/-0.075 χ^2/NDF: 4869775.4/25



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.189+/-0.260 χ^2/NDF:11.7/8

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

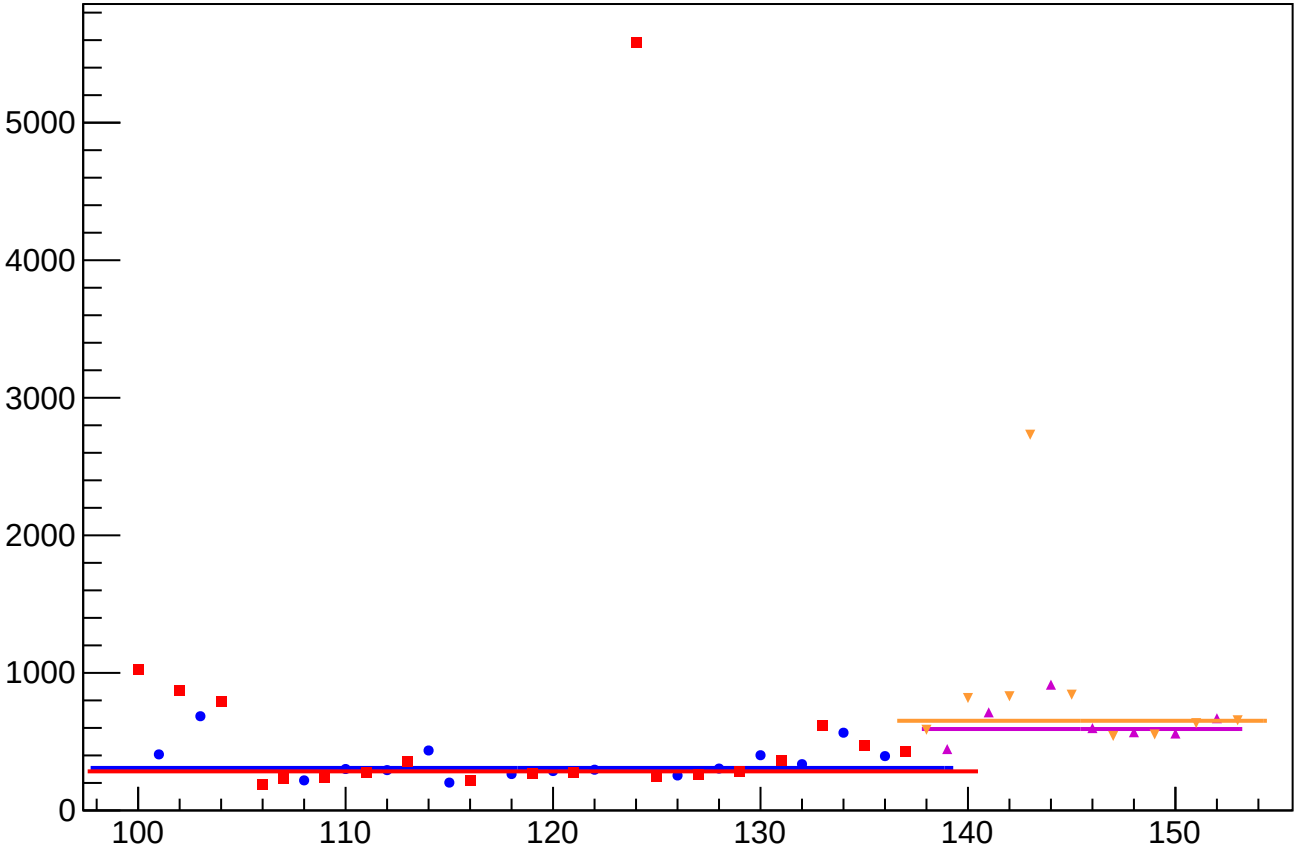
Left In: 0.246+/-0.247 χ^2/NDF:9.6/6

+ sign -0.032+/-0.110 χ^2/NDF: 23.3/24

All: -0.046+/-0.076 χ^2/NDF: 60.0/50

- sign -0.059+/-0.106 χ^2/NDF: 36.7/25

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 651.892+/-0.184 χ^2/NDF:1275596.5/8

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

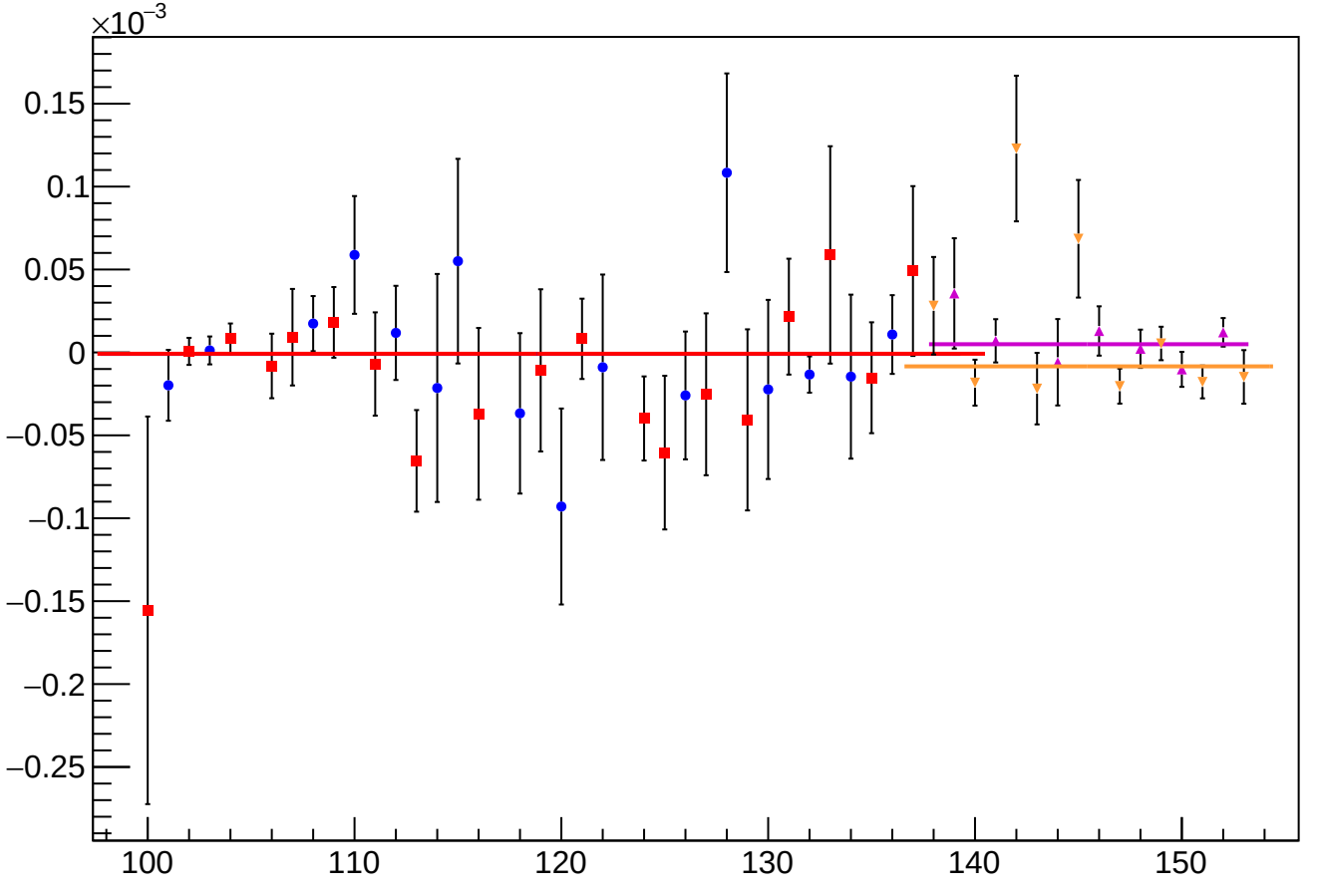
Left In: 592.036+/-0.174 χ^2/NDF:469968.1/6

+ sign 370.723+/-0.078 χ^2/NDF: 5135277.5/24

All: 355.029+/-0.054 χ^2/NDF: 10082541.6/50

- sign 340.650+/-0.075 χ^2/NDF: 4869775.4/25

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

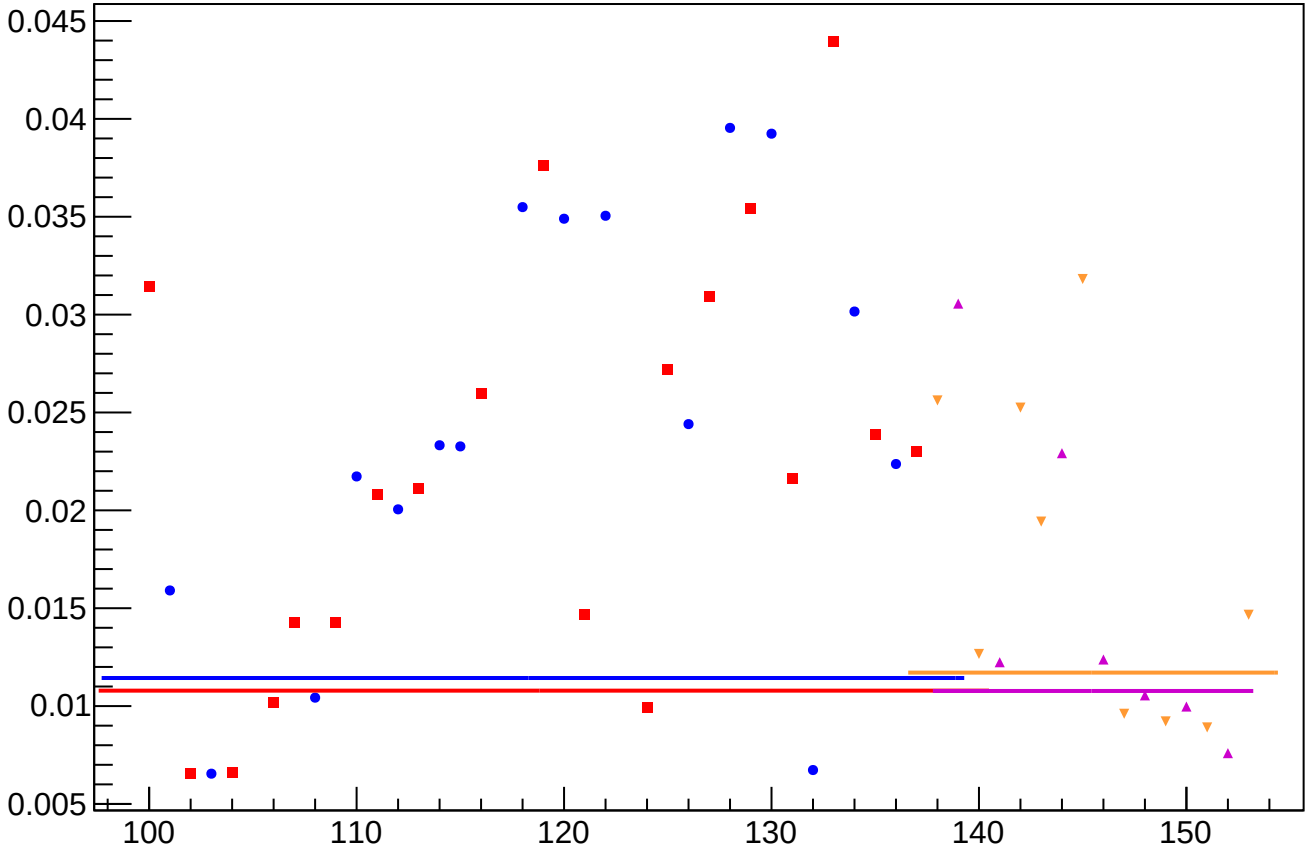
Left In: 0.000+/-0.000 χ^2/NDF:4.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/24

All: -0.000+/-0.000 χ^2/NDF: 58.9/50

- sign 0.000+/-0.000 χ^2/NDF: 21.0/25

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:1974040.6/8

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

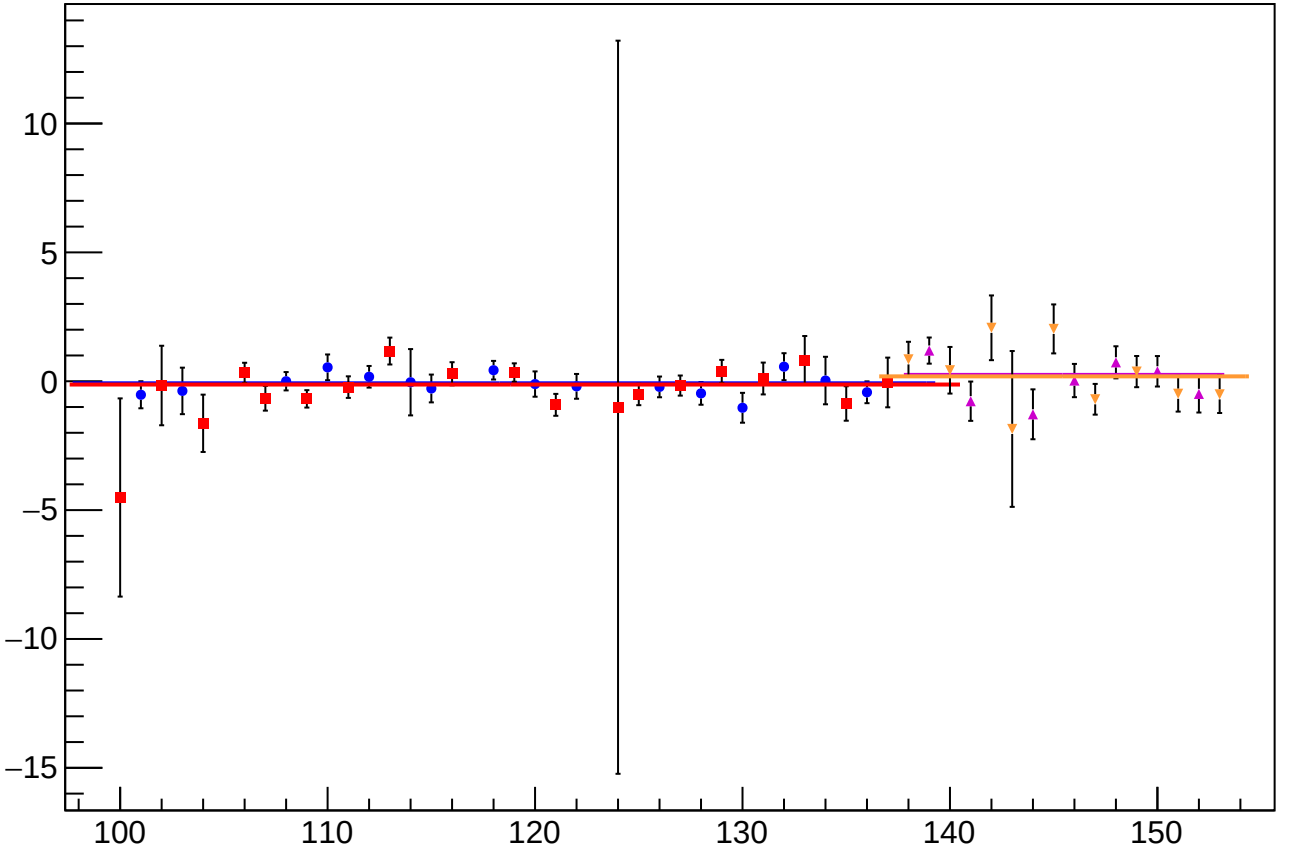
Left In: 0.011+/-0.000 χ^2/NDF:1476307.9/6

+ sign 0.012+/-0.000 χ^2/NDF: 6676924.4/24

All: 0.011+/-0.000 χ^2/NDF: 12679780.9/50

- sign 0.011+/-0.000 χ^2/NDF: 5950009.2/25

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.189+/-0.260 χ^2/NDF:11.7/8

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

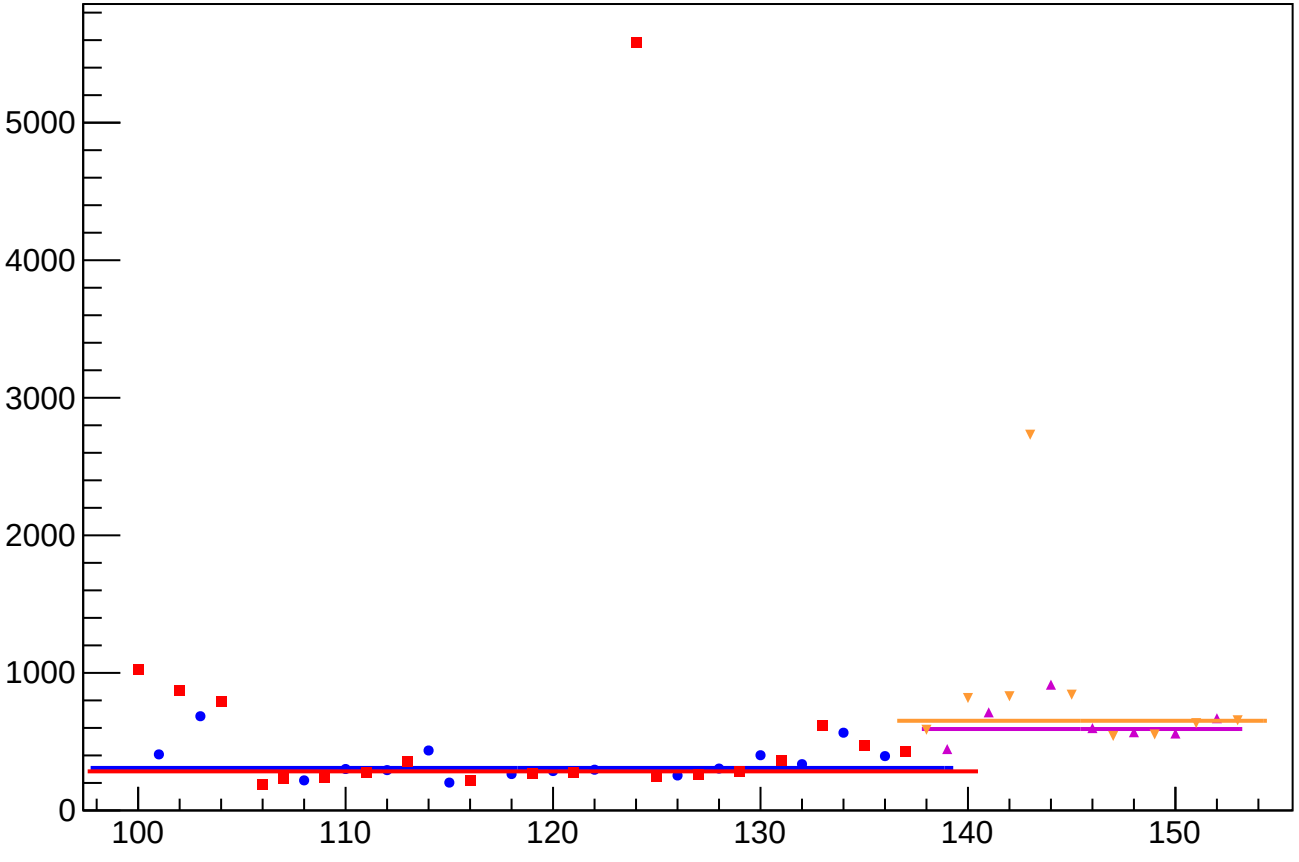
Left In: 0.246+/-0.247 χ^2/NDF:9.6/6

+ sign -0.032+/-0.110 χ^2/NDF: 23.3/24

All: -0.046+/-0.076 χ^2/NDF: 60.0/50

- sign -0.059+/-0.106 χ^2/NDF: 36.7/25

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 651.899+/-0.184 χ^2/NDF:1275595.9/8

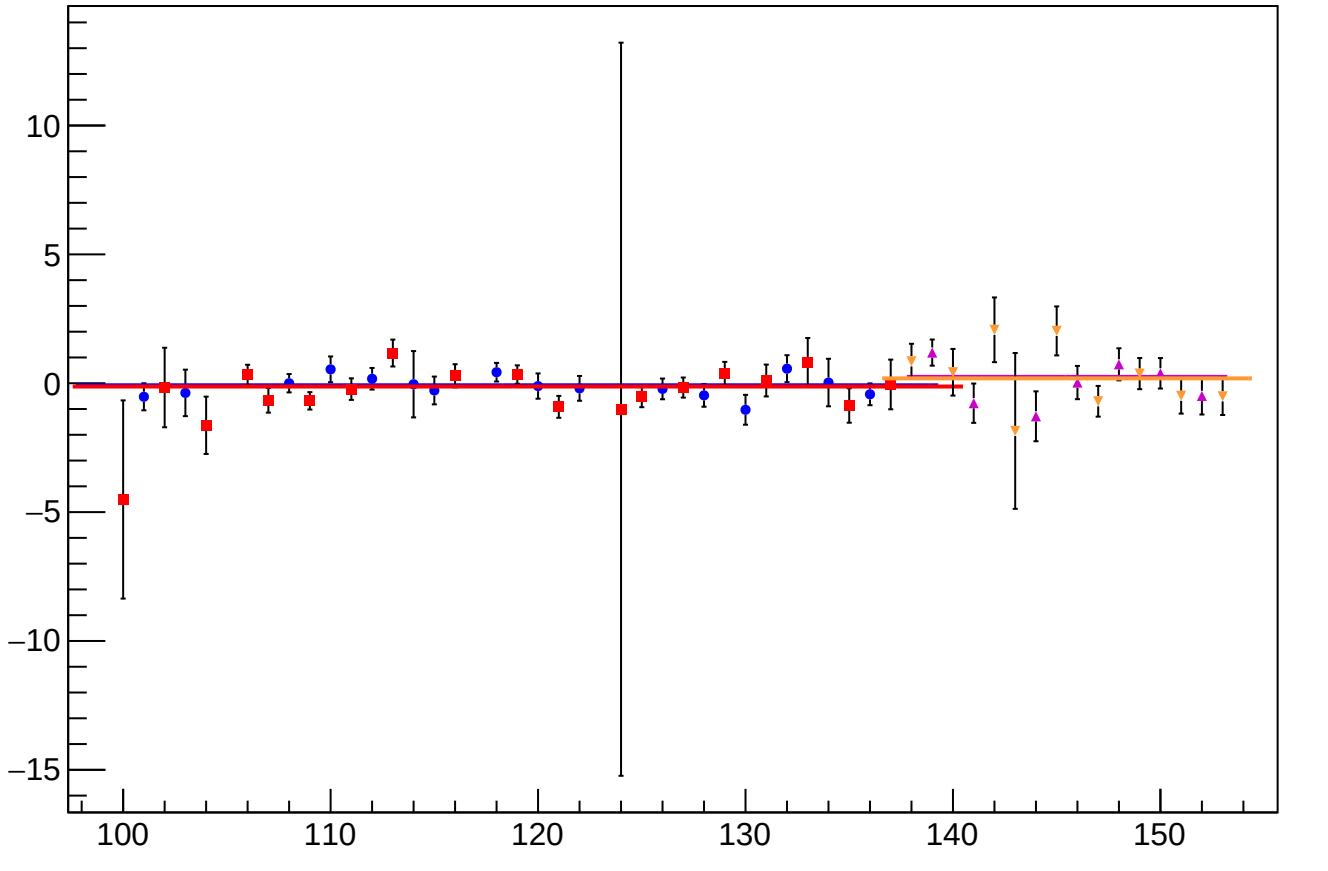
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.044+/-0.174 χ^2/NDF:469949.9/6

+ sign 370.722+/-0.078 χ^2/NDF: 5135326.0/24

All: 355.029+/-0.054 χ^2/NDF: 10082647.2/50

- sign 340.649+/-0.075 χ^2/NDF: 4869833.7/25



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.189+/-0.260 χ^2/NDF:11.7/8

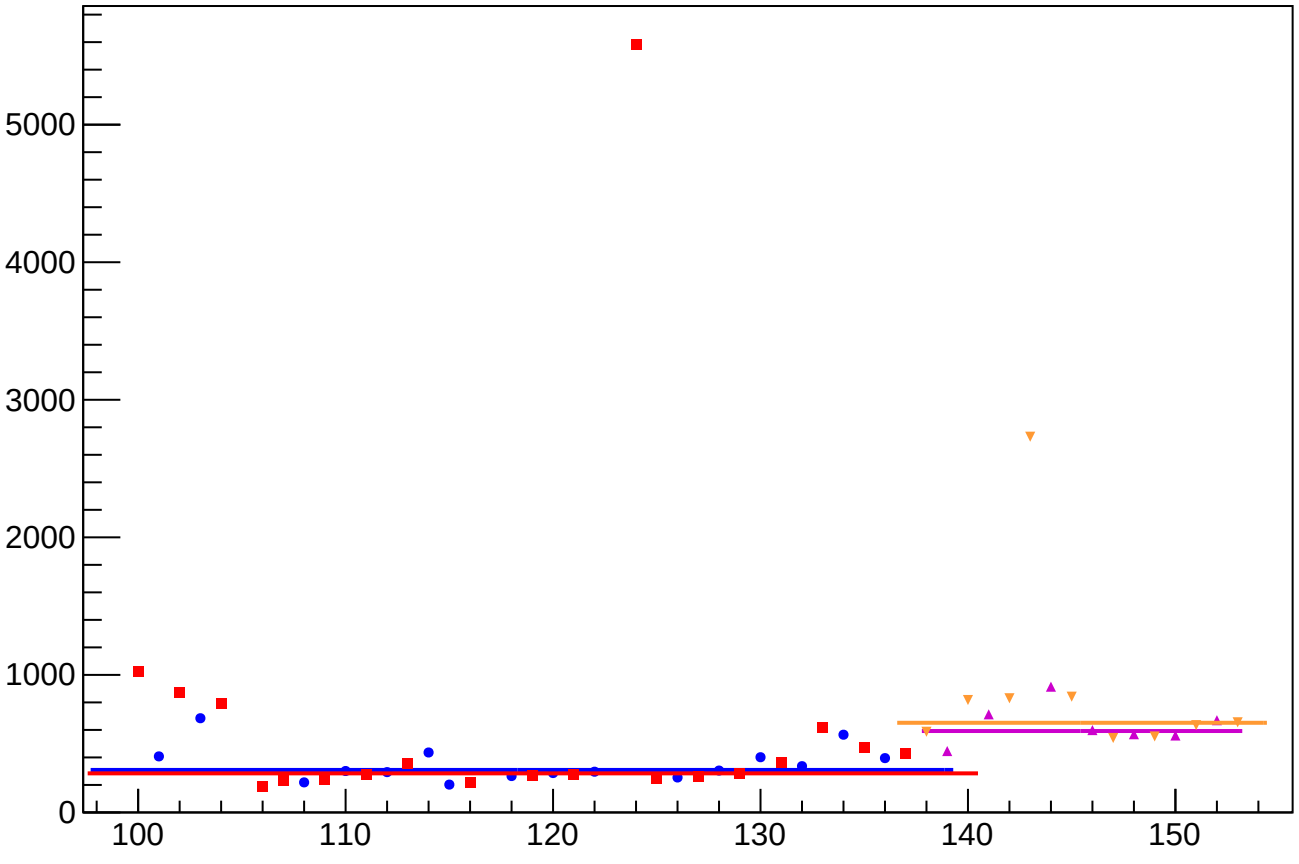
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.246+/-0.247 χ^2/NDF:9.6/6

+ sign -0.032+/-0.110 χ^2/NDF: 23.3/24

All: -0.046+/-0.076 χ^2/NDF: 60.0/50

- sign -0.059+/-0.106 χ^2/NDF: 36.7/25



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 651.899+/-0.184 χ^2/NDF:1275595.9/8

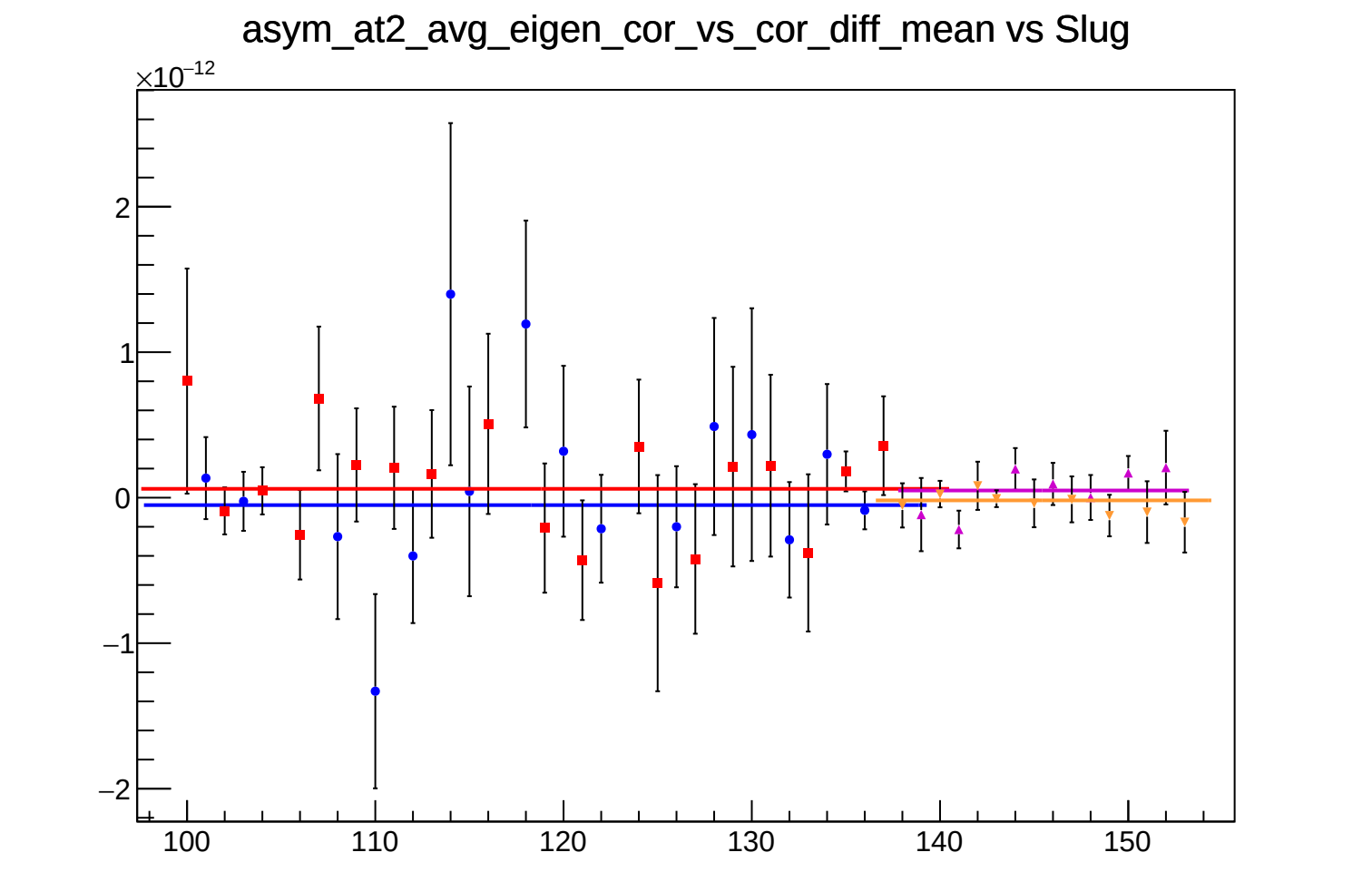
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.044+/-0.174 χ^2/NDF:469949.9/6

+ sign 370.722+/-0.078 χ^2/NDF: 5135326.0/24

All: 355.029+/-0.054 χ^2/NDF: 10082647.2/50

- sign 340.649+/-0.075 χ^2/NDF: 4869833.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/8

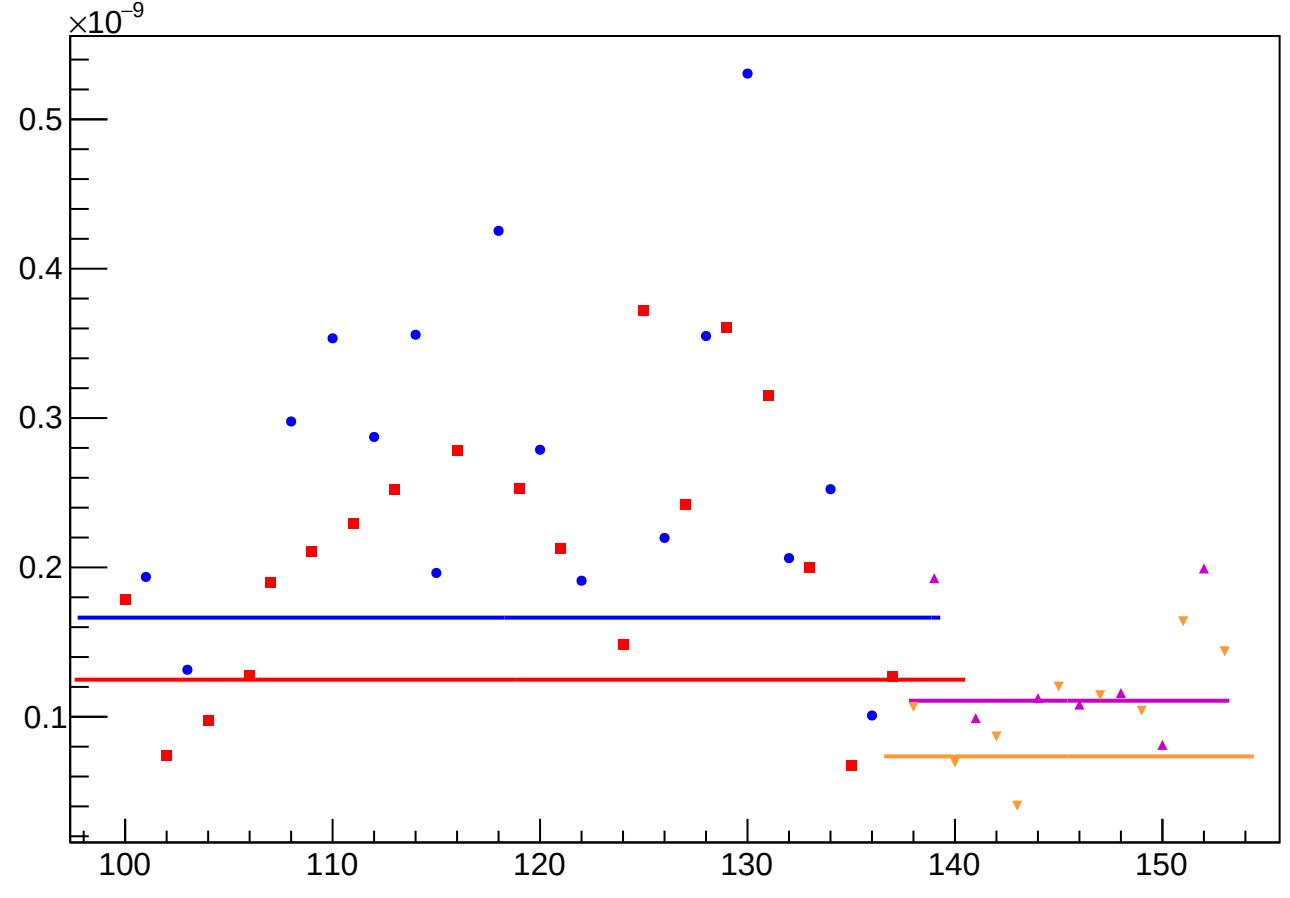
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 14.0/24

All: 0.000+/-0.000 χ^2/NDF: 34.8/50

- sign 0.000+/-0.000 χ^2/NDF: 18.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1747264.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

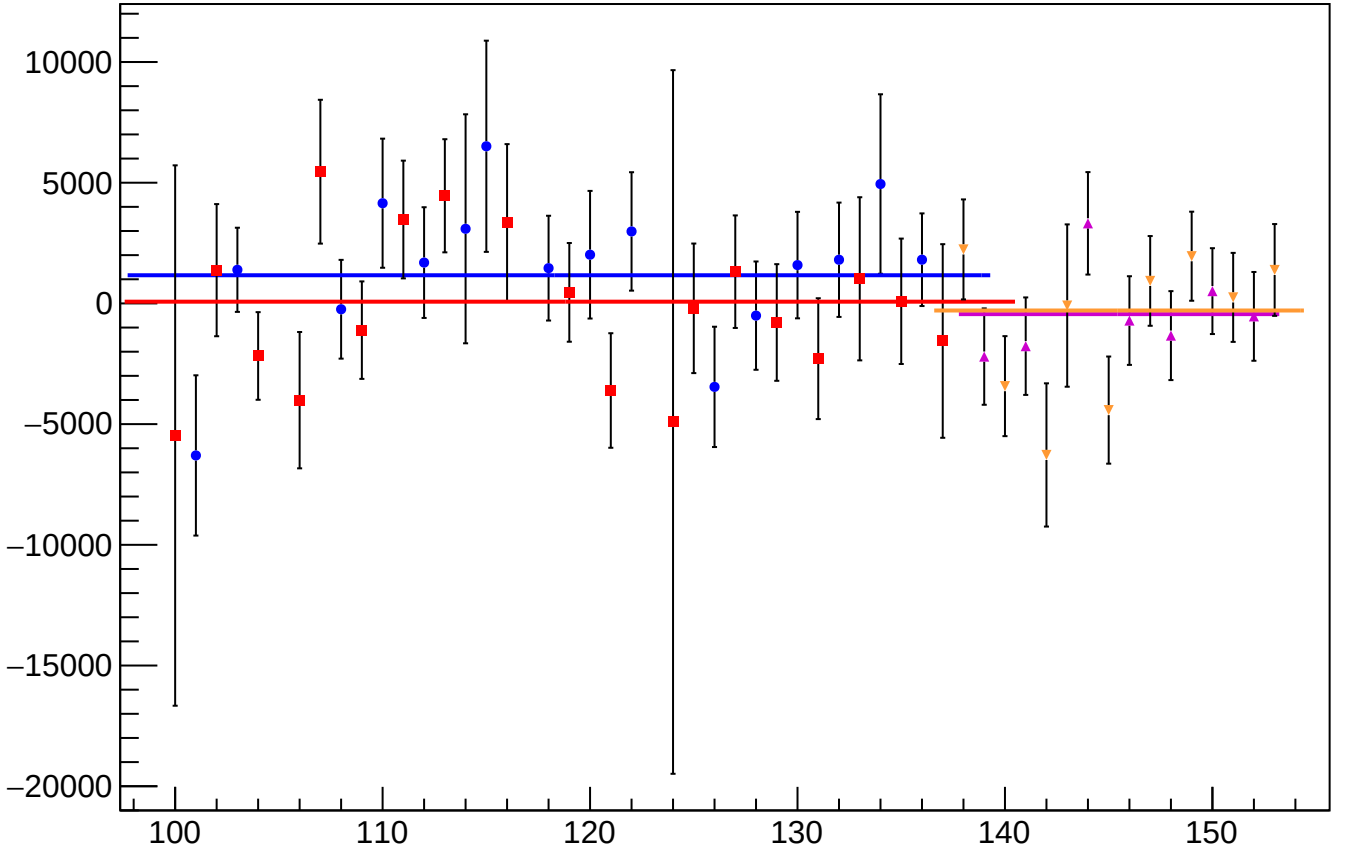
Left In: 0.000+/-0.000 χ^2/NDF:604993.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 5733515.4/24

All: 0.000+/-0.000 χ^2/NDF: 9048678.3/50

- sign 0.000+/-0.000 χ^2/NDF: 2862881.4/25

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -293.326+/-702.621 χ^2/NDF:14.1/8

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

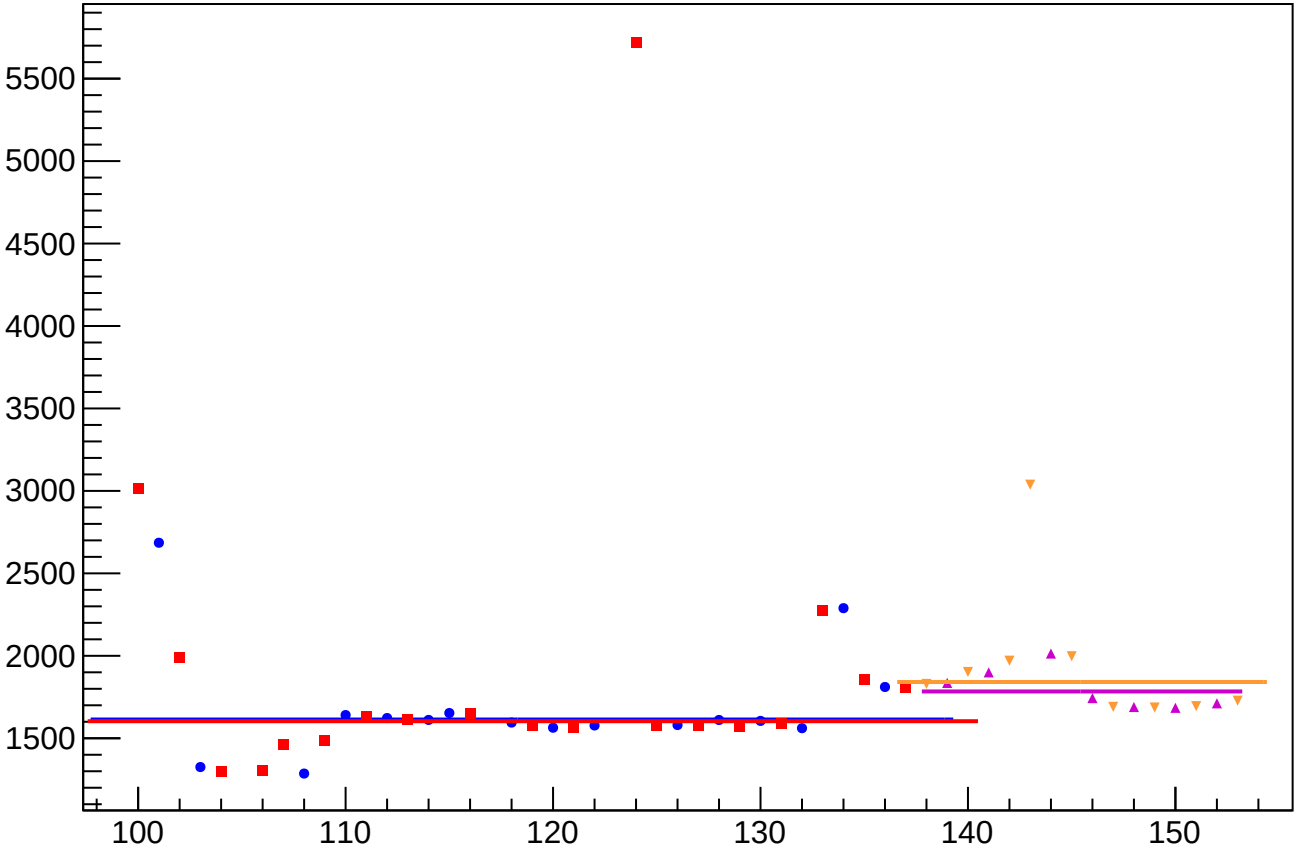
Left In: -443.336+/-721.416 χ^2/NDF:4.9/6

+ sign 540.264+/-460.268 χ^2/NDF: 31.0/24

All: 202.017+/-326.359 χ^2/NDF: 55.6/50

- sign -140.000+/-462.826 χ^2/NDF: 23.5/25

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1841.295+/-0.497 χ^2/NDF:315709.0/8

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

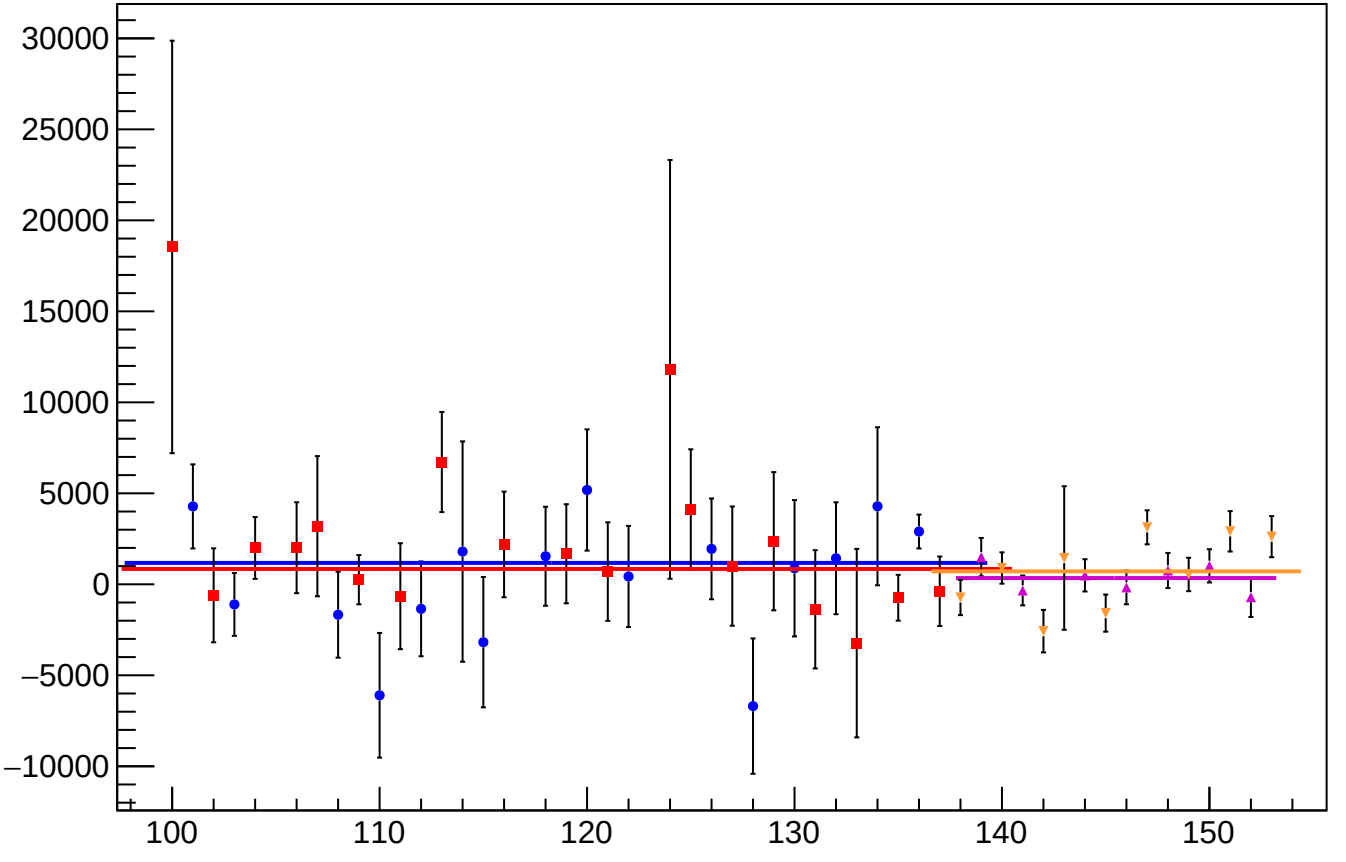
Left In: 1783.865+/-0.510 χ^2/NDF:46869.1/6

+ sign 1711.351+/-0.325 χ^2/NDF: 840225.6/24

All: 1694.626+/-0.231 χ^2/NDF: 1391788.7/50

- sign 1677.715+/-0.327 χ^2/NDF: 546252.1/25

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 710.757+/-351.441 χ^2/NDF:28.7/8

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

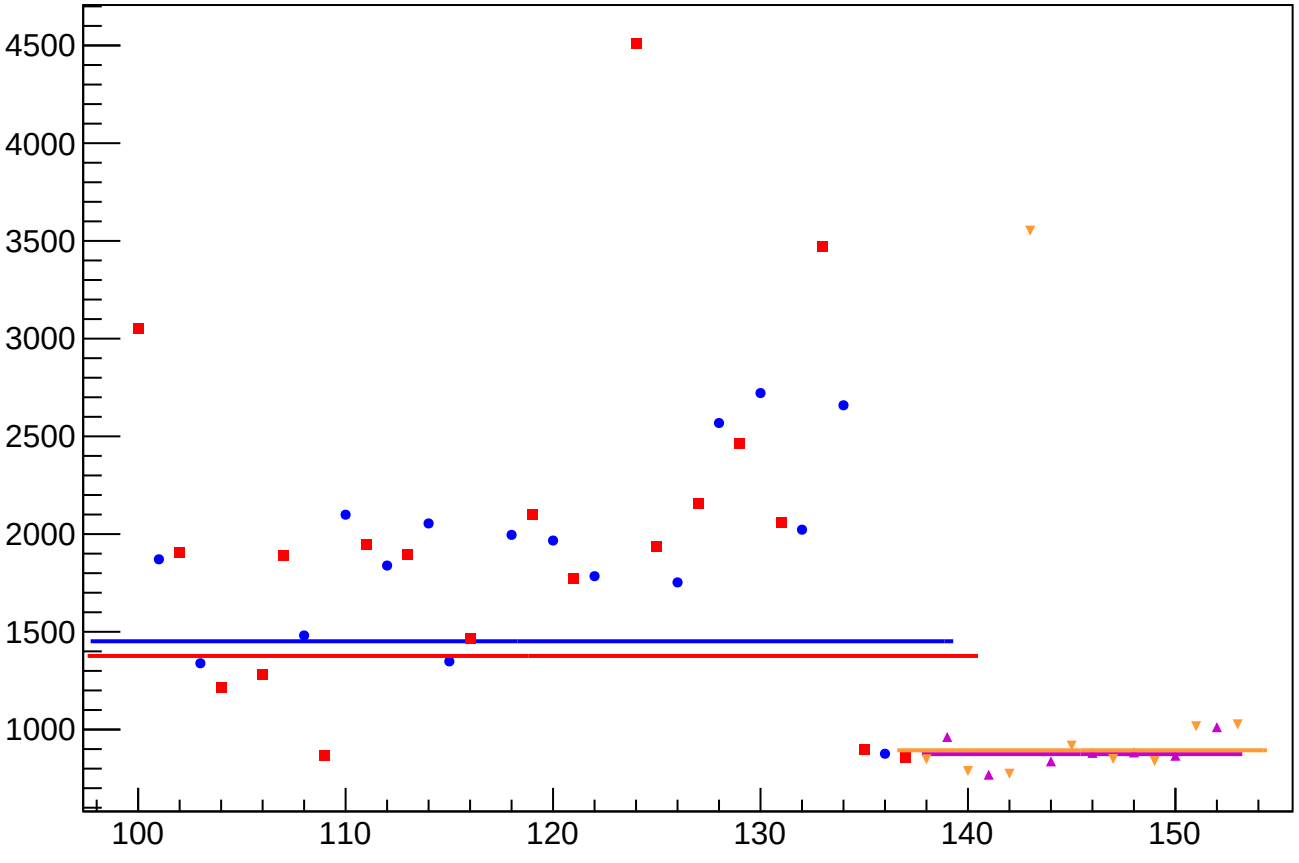
Left In: 342.848+/-355.026 χ^2/NDF:3.9/6

+ sign 835.856+/-300.438 χ^2/NDF: 51.2/24

All: 661.068+/-212.092 χ^2/NDF: 70.6/50

- sign 487.426+/-299.451 χ^2/NDF: 18.7/25

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 893.756+/-0.249 χ^2/NDF:1029048.0/8

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

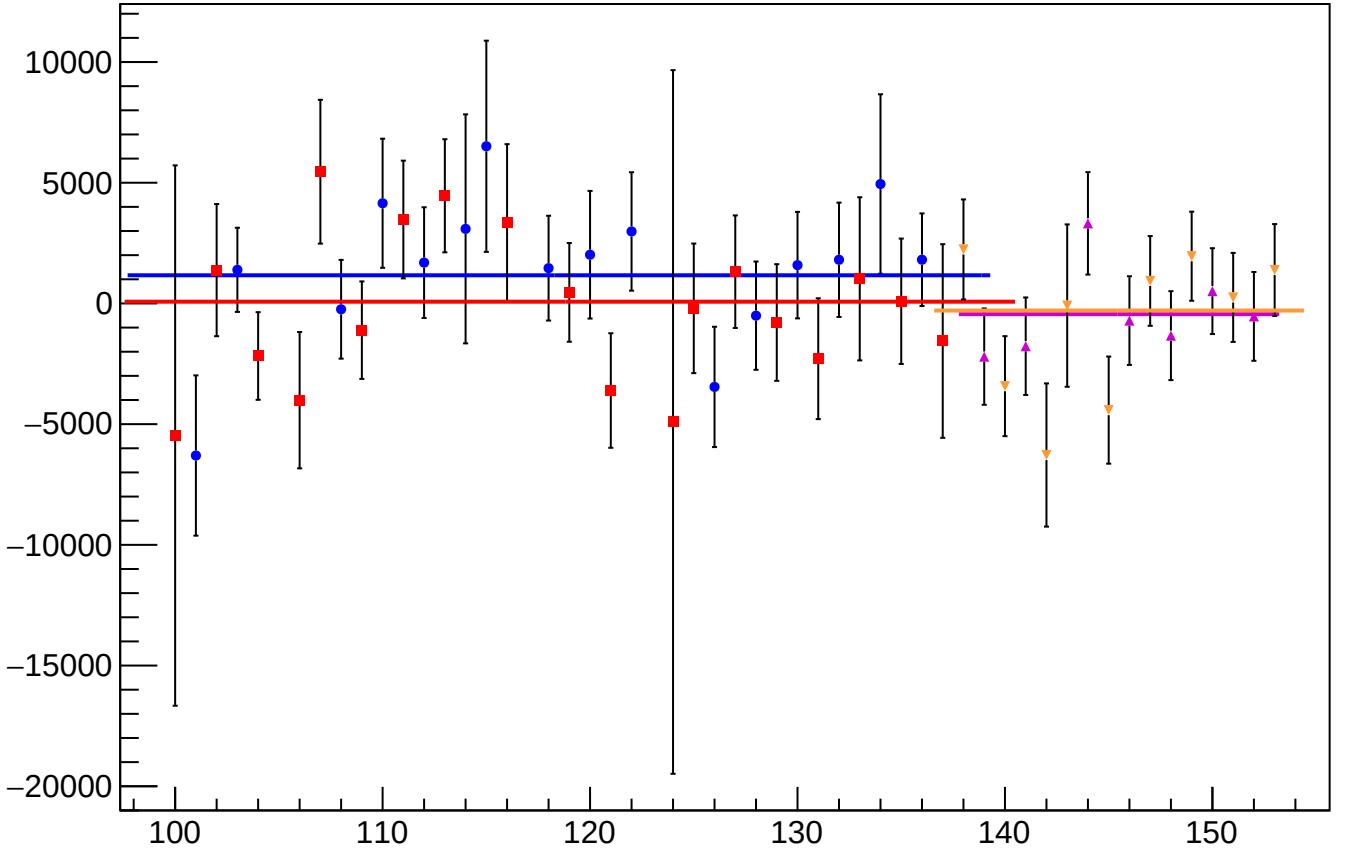
Left In: 874.242+/-0.251 χ^2/NDF:82949.8/6

+ sign 1043.931+/-0.212 χ^2/NDF: 4176505.9/24

All: 1031.511+/-0.150 χ^2/NDF: 7553282.8/5

- sign 1019.172+/-0.212 χ^2/NDF: 3369963.3/25

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -293.434+/-702.621 χ^2/NDF:14.1/8

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

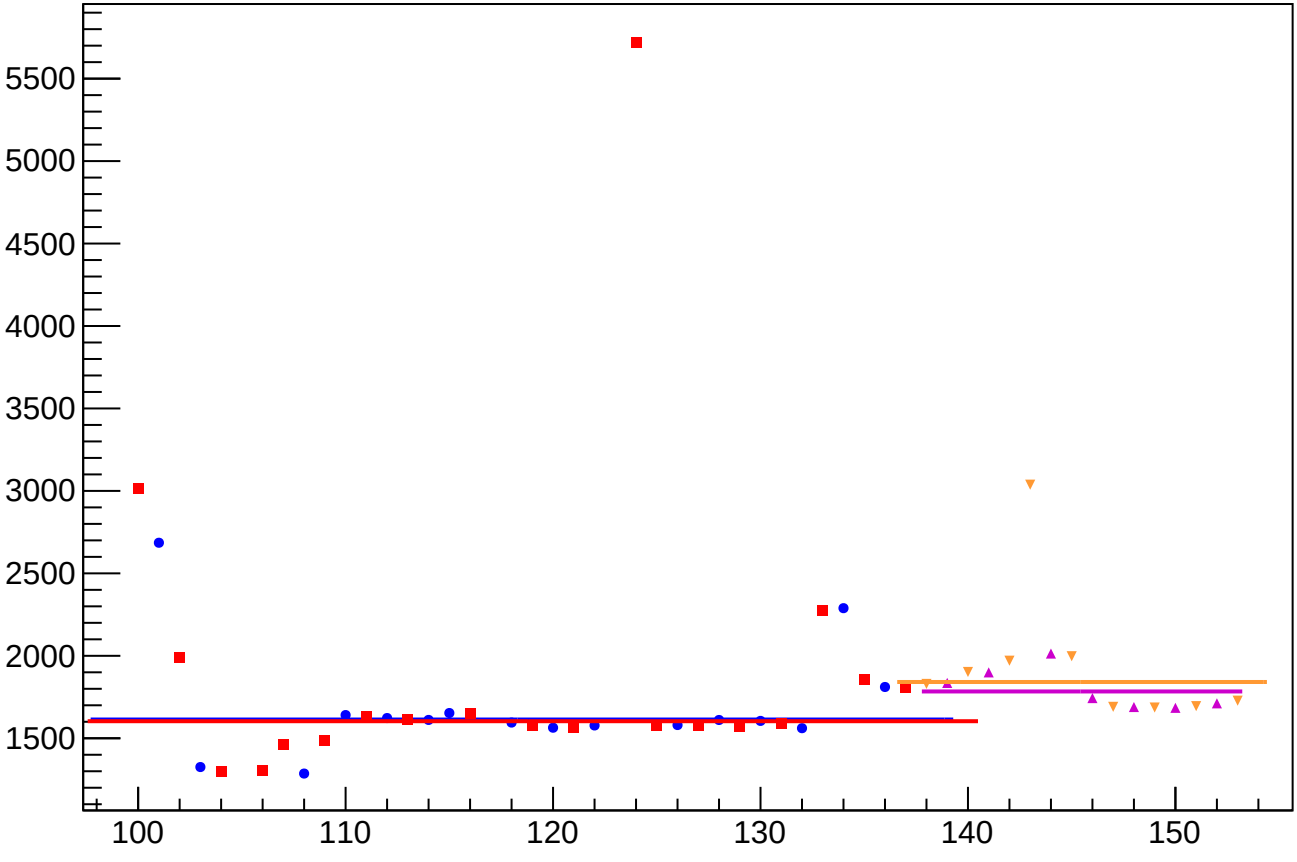
Left In: -443.292+/-721.416 χ^2/NDF:4.9/6

+ sign 540.164+/-460.268 χ^2/NDF: 31.0/24

All: 202.069+/-326.359 χ^2/NDF: 55.6/50

- sign -139.795+/-462.826 χ^2/NDF: 23.5/25

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1841.295+/-0.497 χ^2/NDF:315709.0/8

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

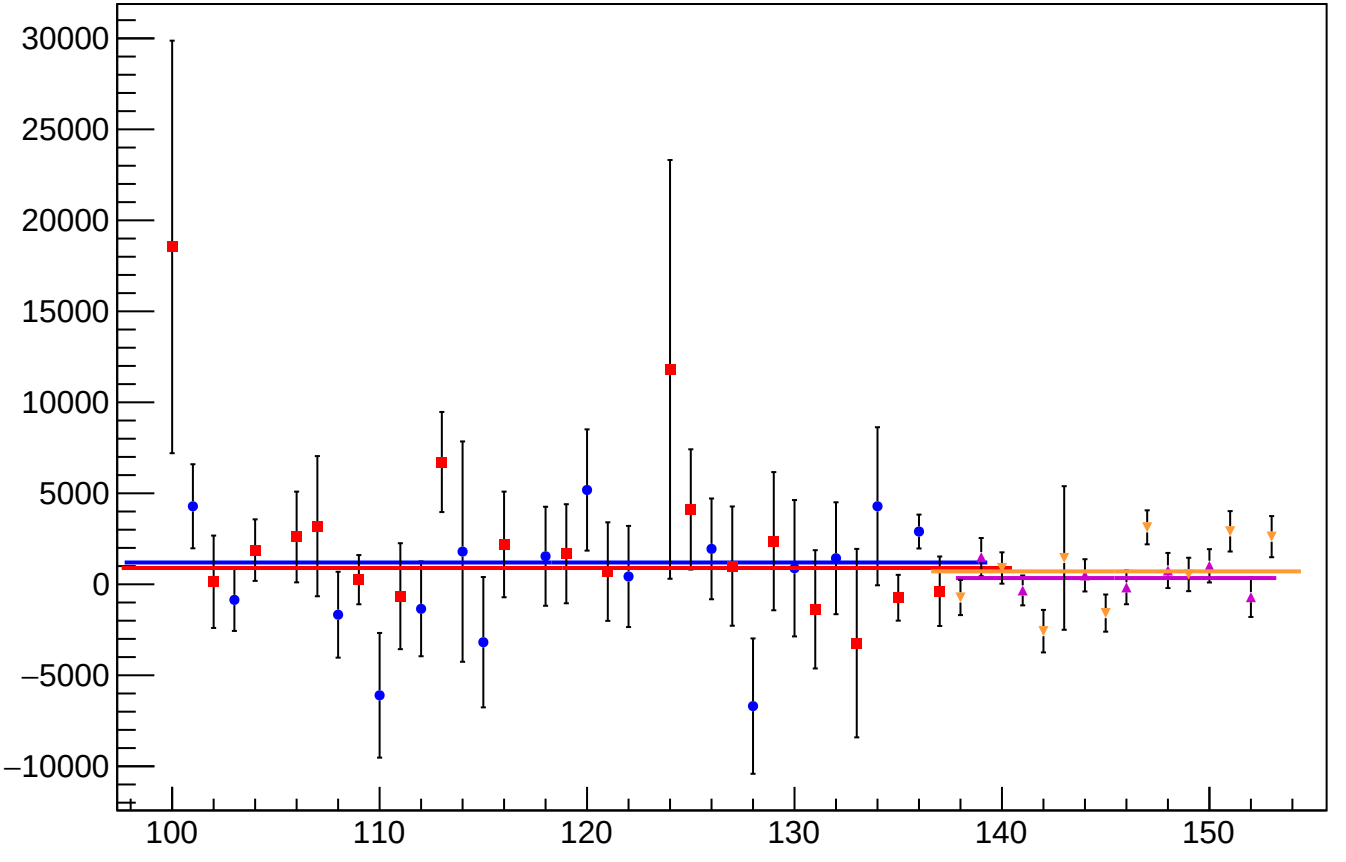
Left In: 1783.865+/-0.510 χ^2/NDF:46869.1/6

+ sign 1711.351+/-0.325 χ^2/NDF: 840226.0/24

All: 1694.626+/-0.231 χ^2/NDF: 1391789.2/50

- sign 1677.715+/-0.327 χ^2/NDF: 546252.2/25

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 710.790+/-351.447 χ^2/NDF:28.7/8

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

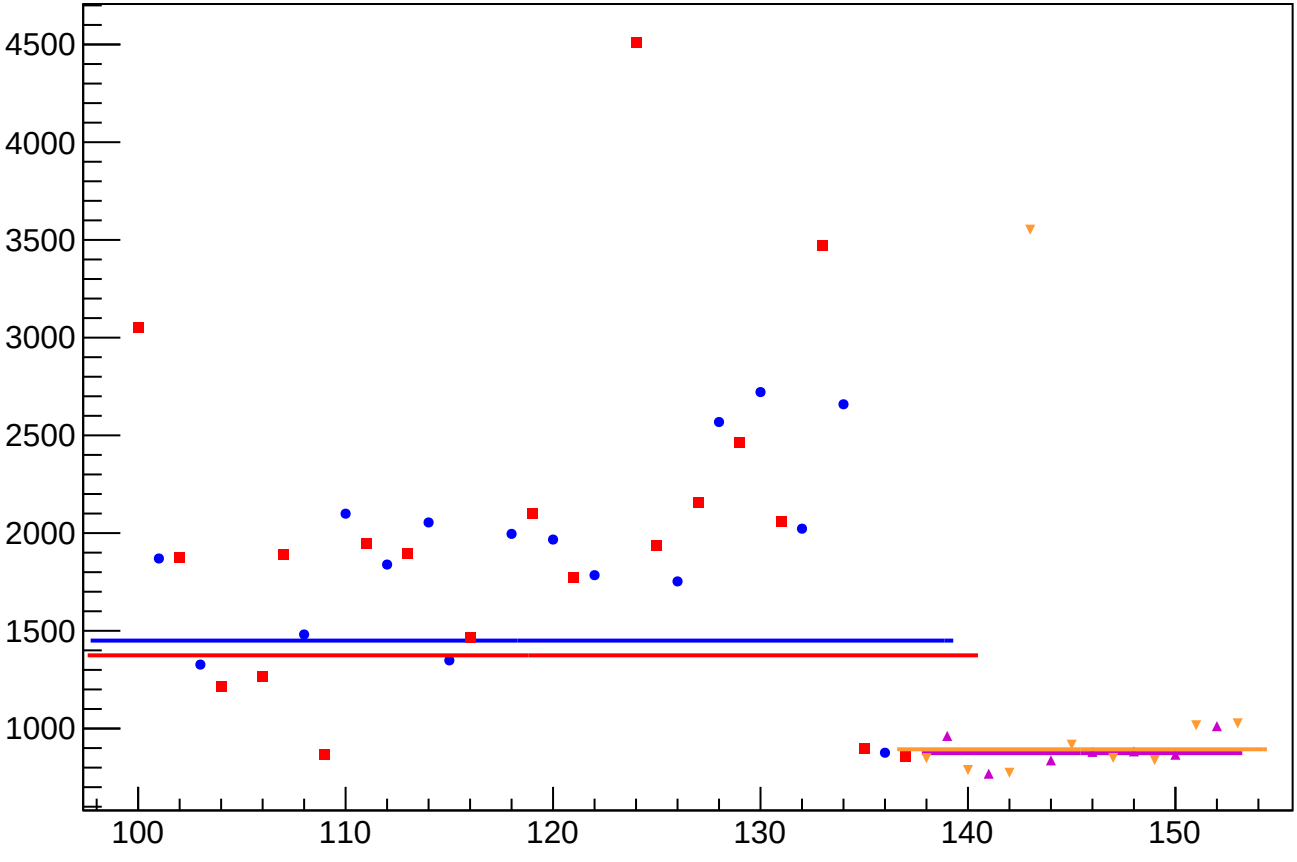
Left In: 342.869+/-355.024 χ^2/NDF:3.9/6

+ sign 842.309+/-300.327 χ^2/NDF: 50.9/24

All: 671.913+/-212.010 χ^2/NDF: 70.4/50

- sign 502.646+/-299.330 χ^2/NDF: 18.8/25

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 893.773+/-0.249 χ^2/NDF:1028988.8/8

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

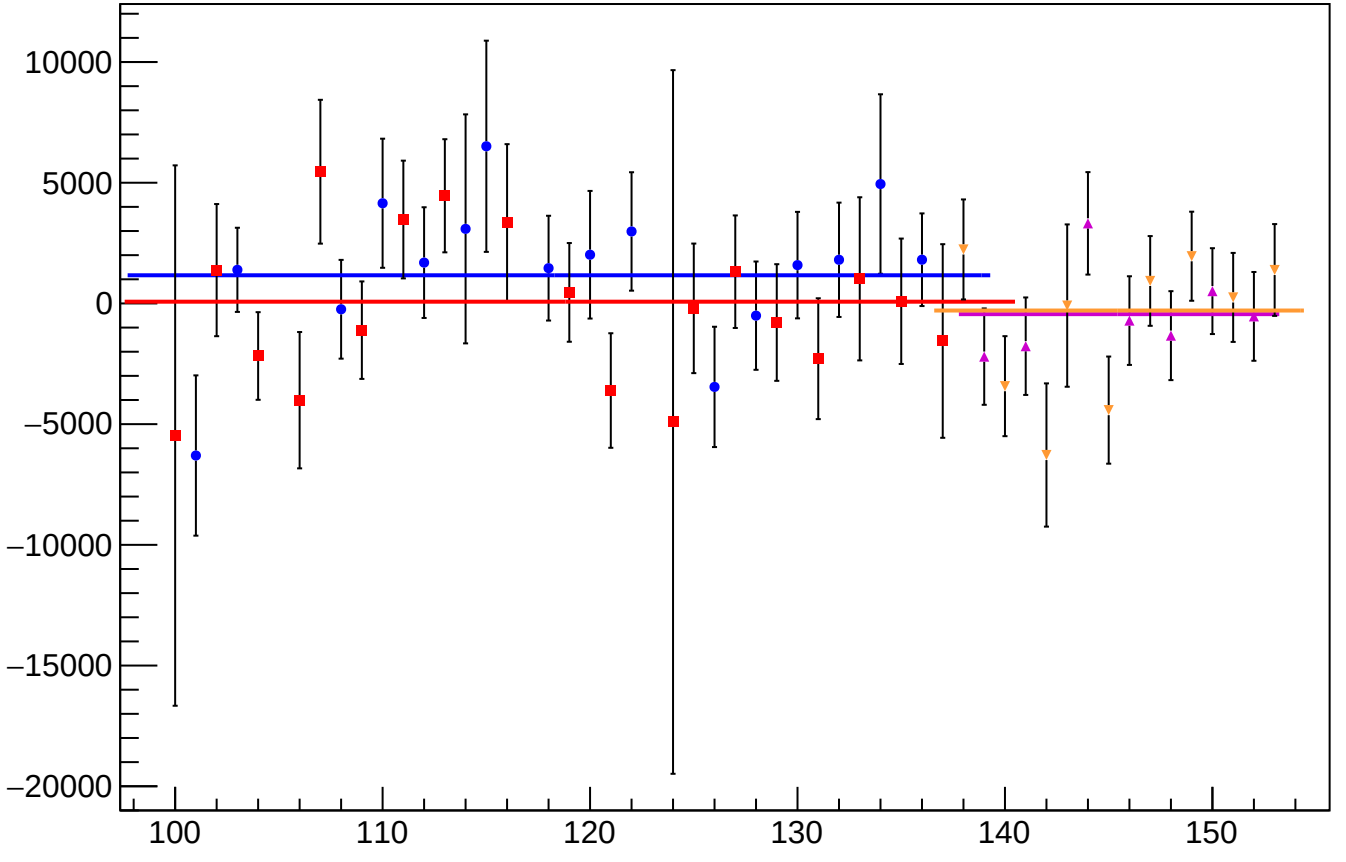
Left In: 874.235+/-0.251 χ^2/NDF:82962.4/6

+ sign 1043.802+/-0.212 χ^2/NDF: 4172768.3/24

All: 1031.292+/-0.150 χ^2/NDF: 7538273.4/50

- sign 1018.864+/-0.212 χ^2/NDF: 3358587.3/25

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -293.434+/-702.621 χ^2/NDF:14.1/8

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

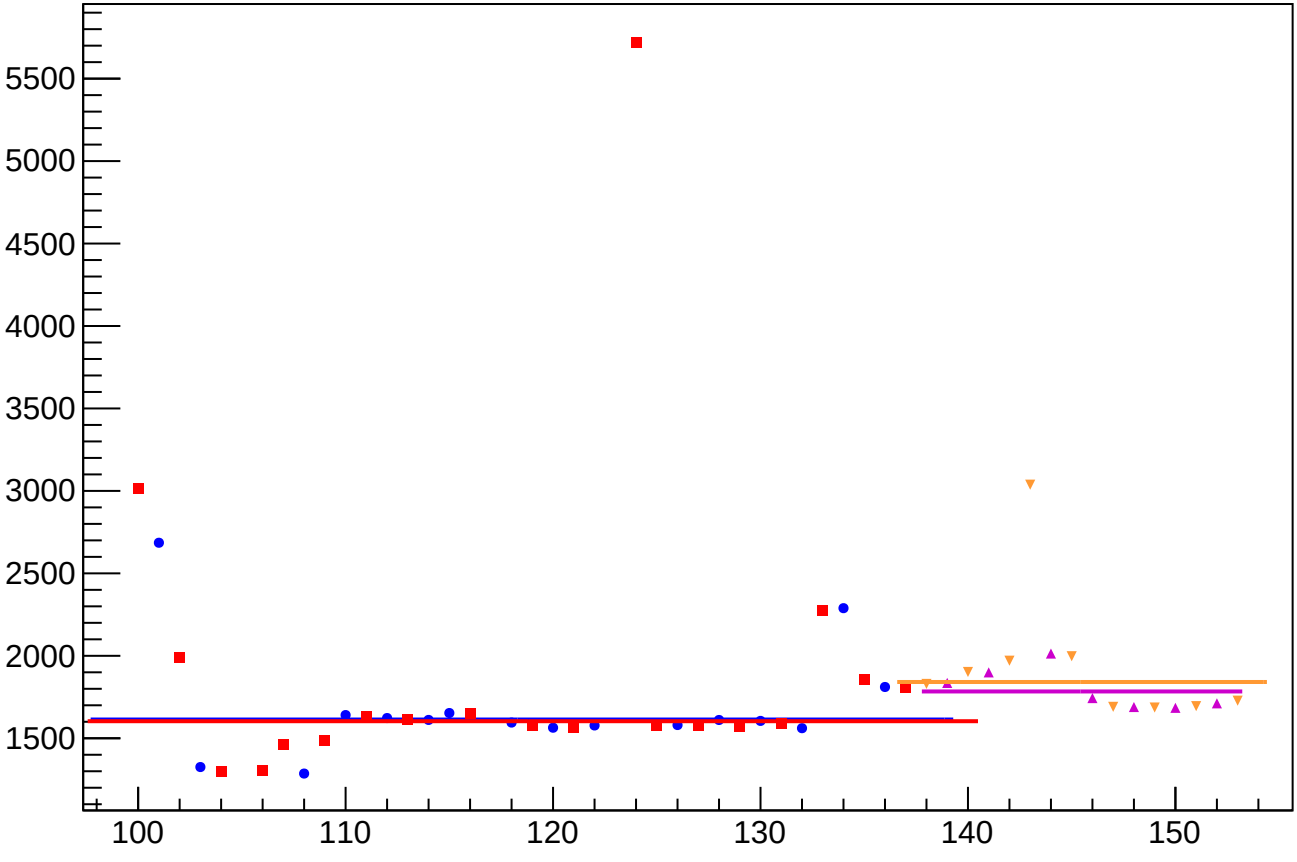
Left In: -443.292+/-721.416 χ^2/NDF:4.9/6

+ sign 540.164+/-460.268 χ^2/NDF: 31.0/24

All: 202.069+/-326.359 χ^2/NDF: 55.6/50

- sign -139.795+/-462.826 χ^2/NDF: 23.5/25

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1841.295+/-0.497 χ^2/NDF:315709.0/8

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

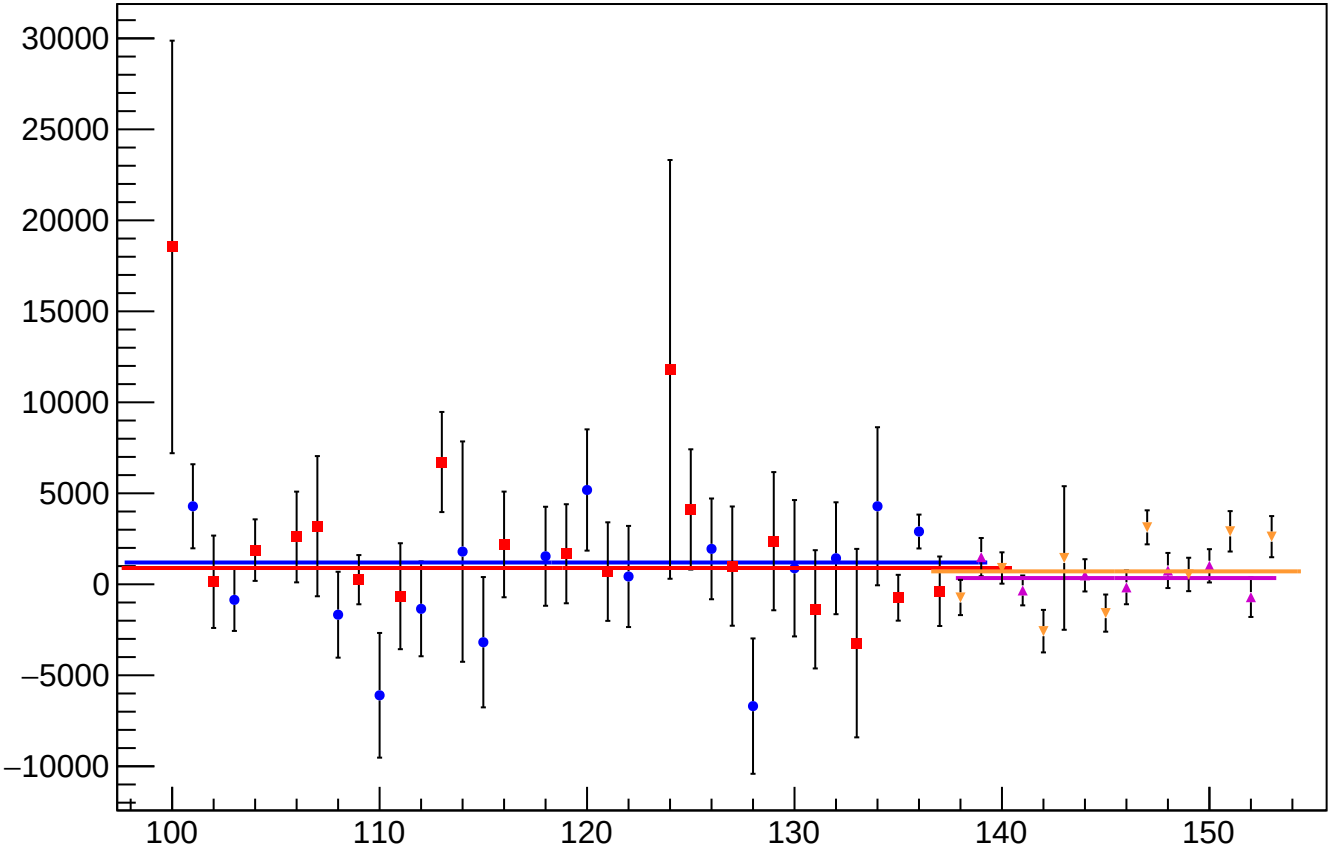
Left In: 1783.865+/-0.510 χ^2/NDF:46869.1/6

+ sign 1711.351+/-0.325 χ^2/NDF: 840226.0/24

All: 1694.626+/-0.231 χ^2/NDF: 1391789.2/50

- sign 1677.715+/-0.327 χ^2/NDF: 546252.2/25

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 710.790+/-351.447 χ^2/NDF:28.7/8

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

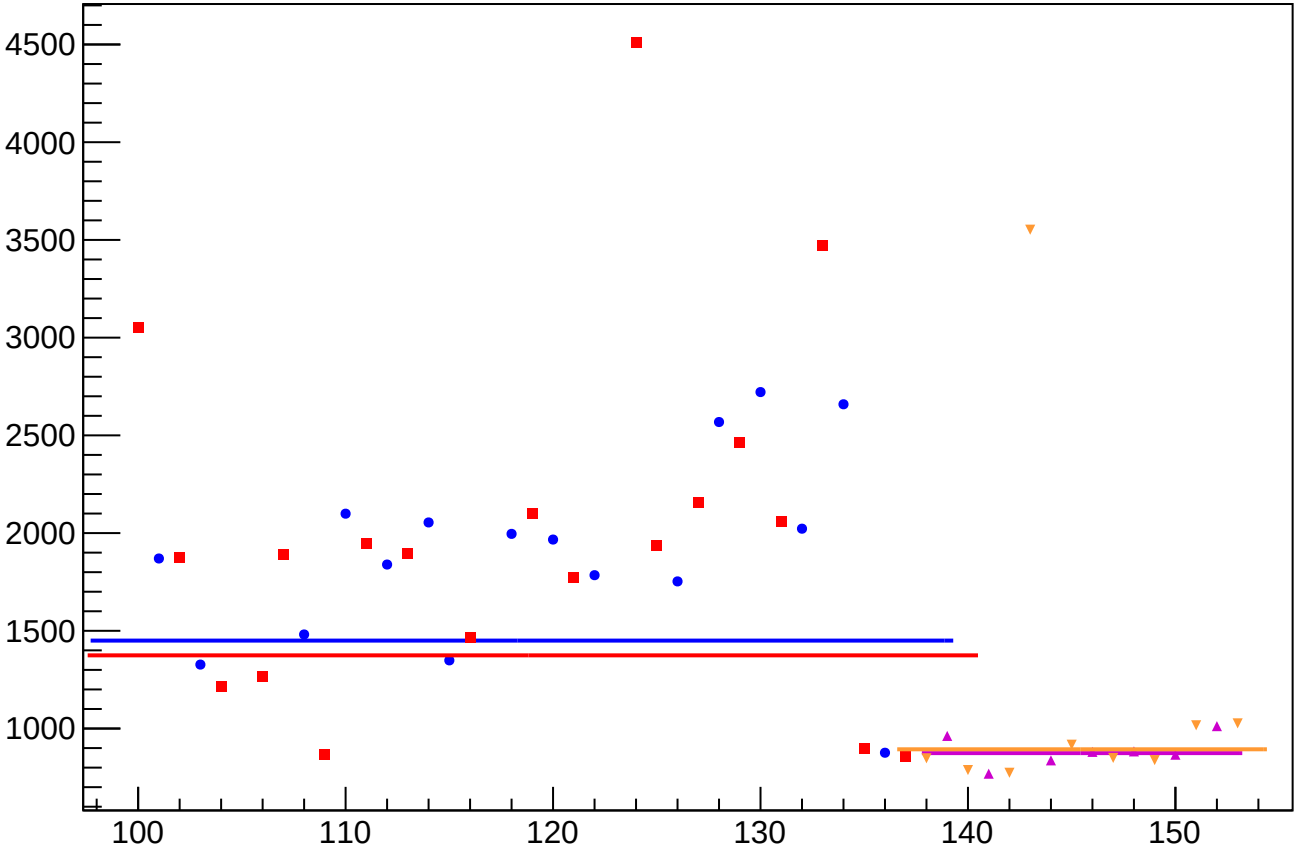
Left In: 342.869+/-355.024 χ^2/NDF:3.9/6

+ sign 842.309+/-300.327 χ^2/NDF: 50.9/24

All: 671.913+/-212.010 χ^2/NDF: 70.4/50

- sign 502.646+/-299.330 χ^2/NDF: 18.8/25

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 893.773+/-0.249 χ^2/NDF:1028988.8/8

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

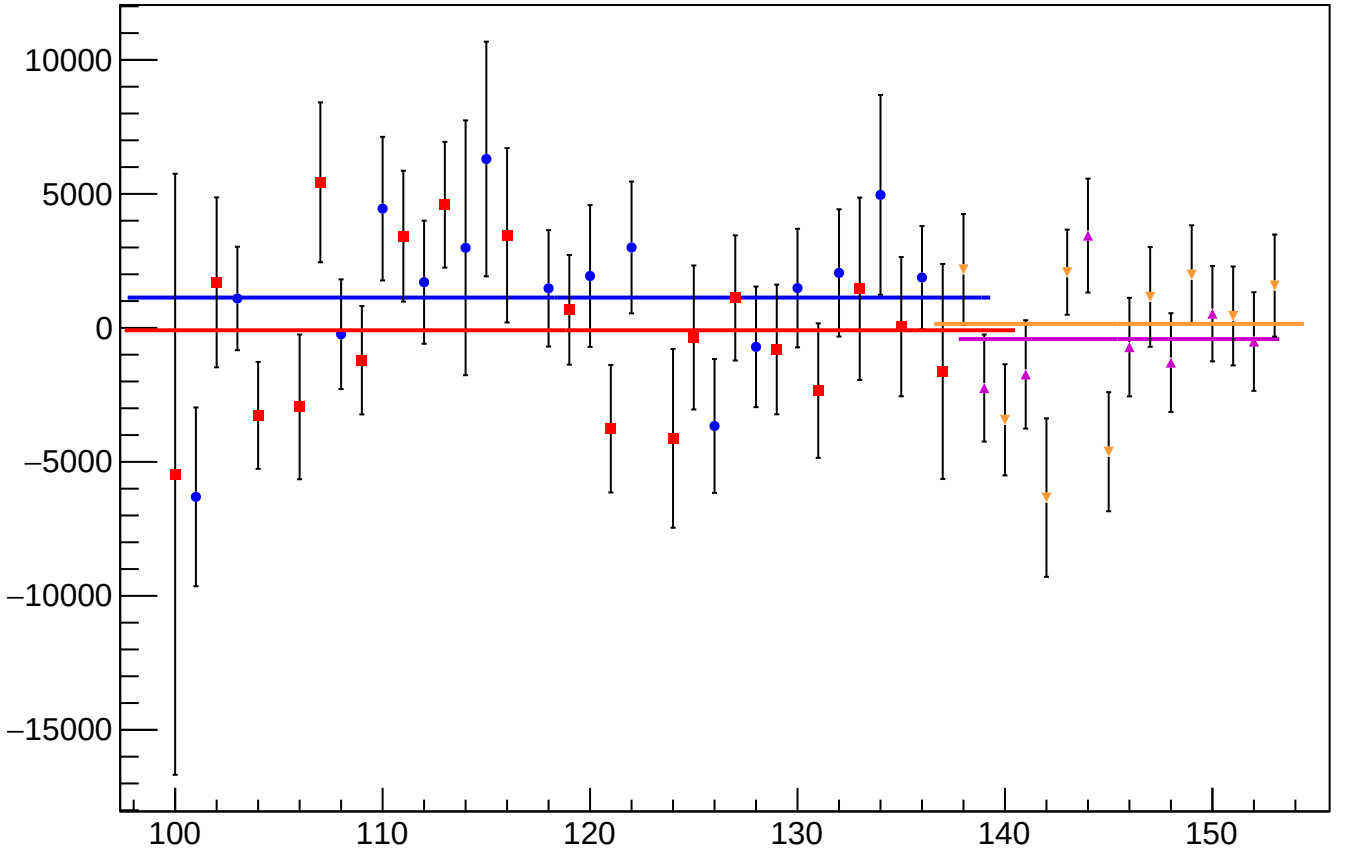
Left In: 874.235+/-0.251 χ^2/NDF:82962.4/6

+ sign 1043.802+/-0.212 χ^2/NDF: 4172768.3/24

All: 1031.292+/-0.150 χ^2/NDF: 7538273.4/50

- sign 1018.864+/-0.212 χ^2/NDF: 3358587.3/25

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 152.086+/-655.075 χ^2/NDF:16.7/8

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

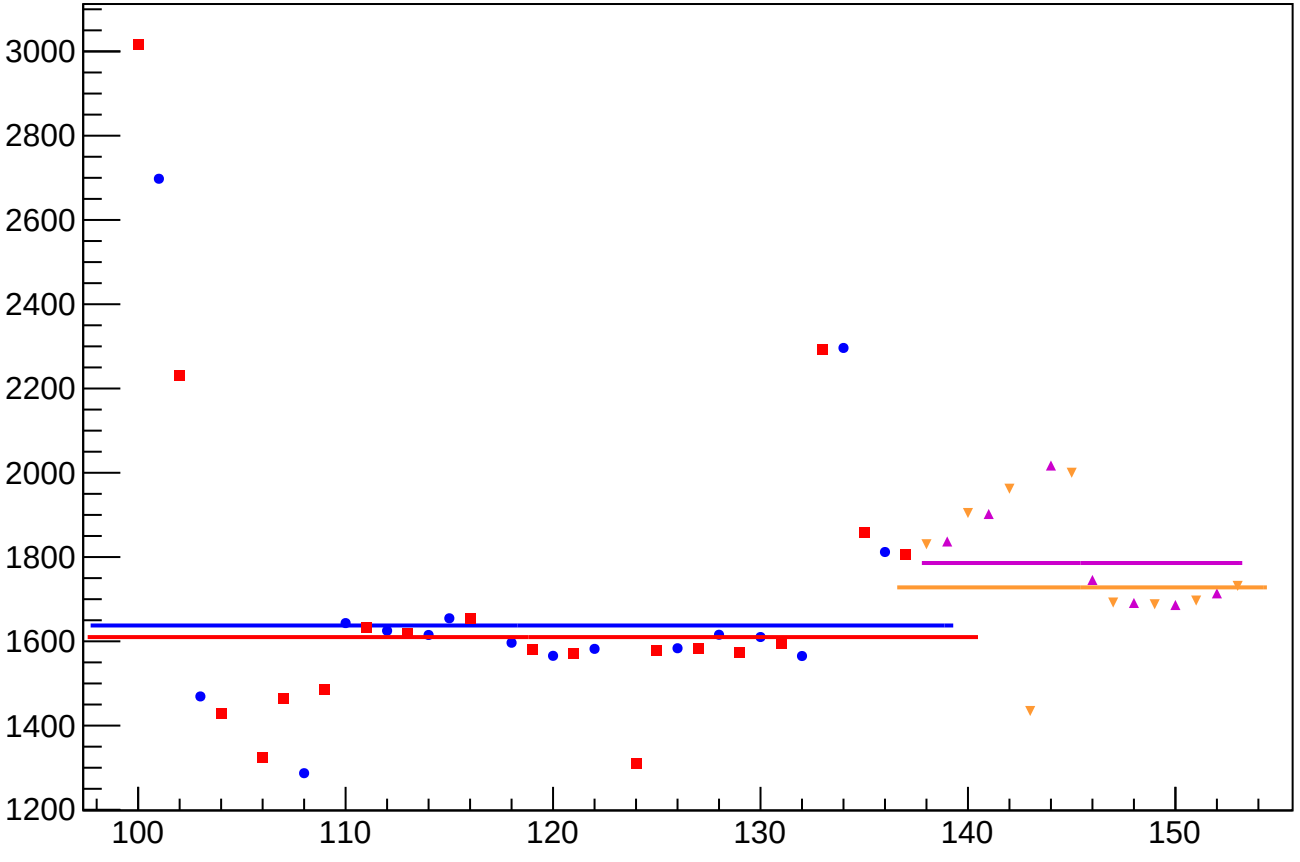
Left In: -418.087+/-722.236 χ^2/NDF:5.1/6

+ sign 670.485+/-449.233 χ^2/NDF: 32.9/24

All: 236.498+/-322.383 χ^2/NDF: 60.7/50

- sign -224.321+/-462.911 χ^2/NDF: 25.9/25

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1728.008+/-0.463 χ^2/NDF:132441.8/8

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

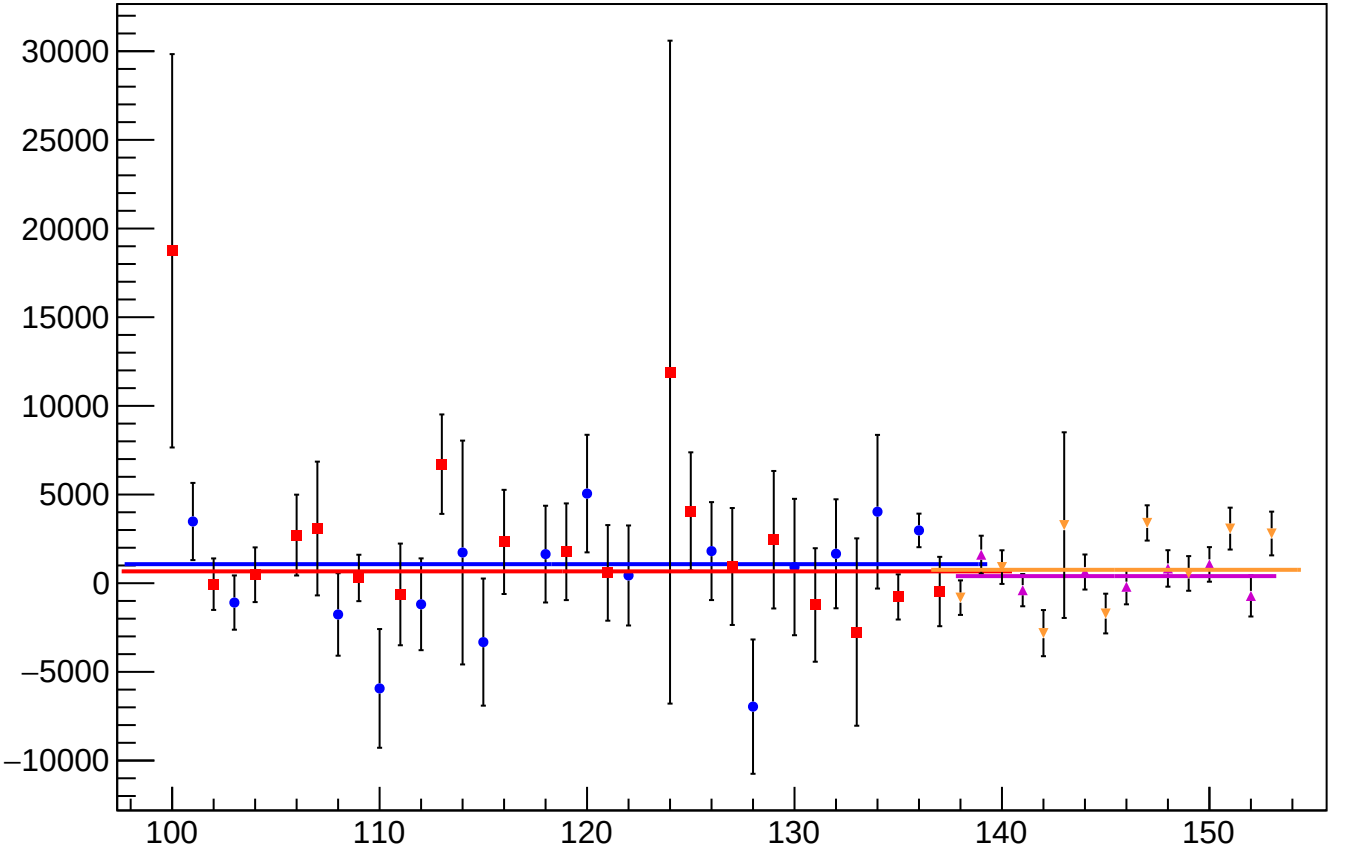
Left In: 1785.854+/-0.511 χ^2/NDF:47188.0/6

+ sign 1680.104+/-0.318 χ^2/NDF: 514049.7/24

All: 1681.153+/-0.228 χ^2/NDF: 911899.6/50

- sign 1682.267+/-0.327 χ^2/NDF: 397827.4/25

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 755.098+/-377.344 χ^2/NDF:29.0/8

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

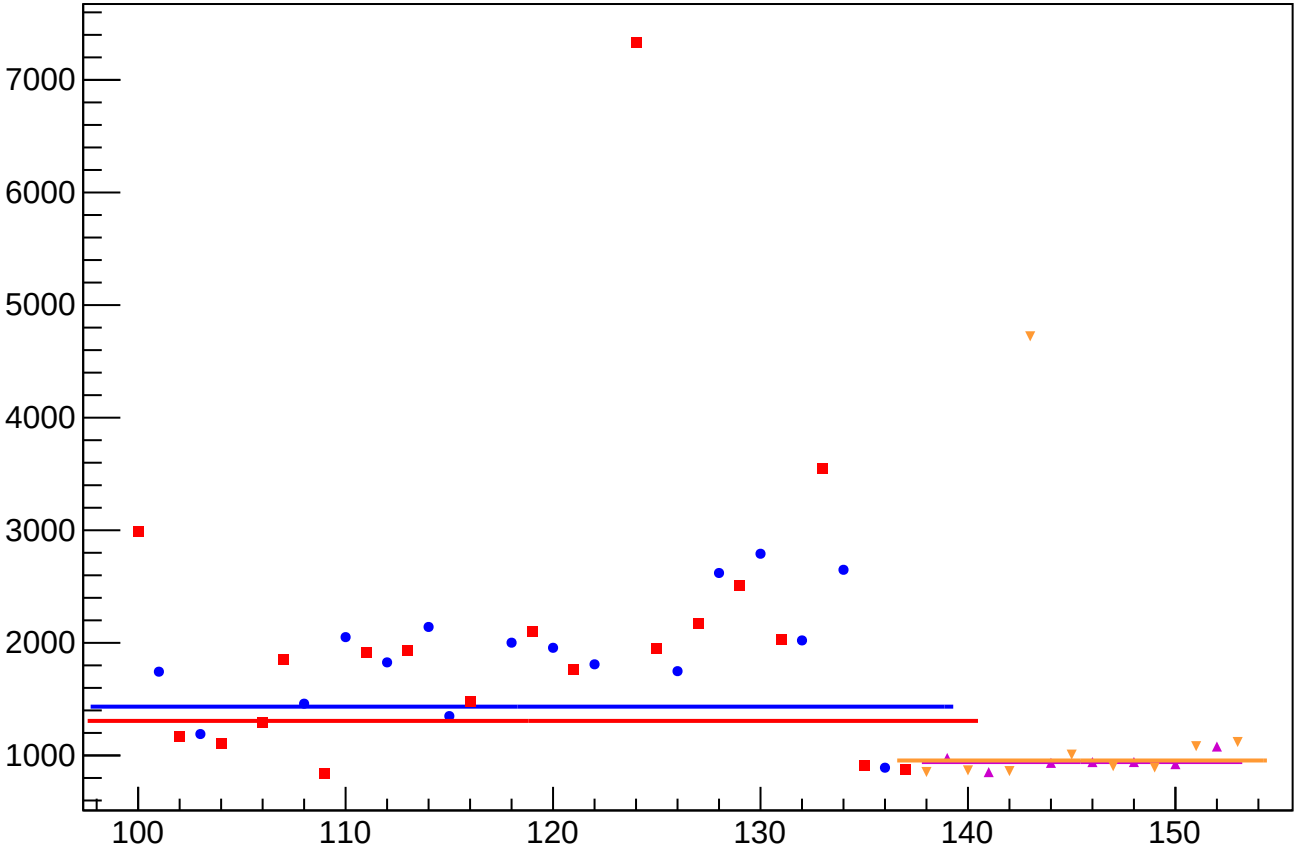
Left In: 400.149+/-381.762 χ^2/NDF:4.0/6

+ sign 851.770+/-314.914 χ^2/NDF: 51.2/24

All: 668.700+/-220.357 χ^2/NDF: 69.6/50

- sign 493.068+/-308.450 χ^2/NDF: 17.7/25

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 955.258+/-0.267 χ^2/NDF:1161513.1/8

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

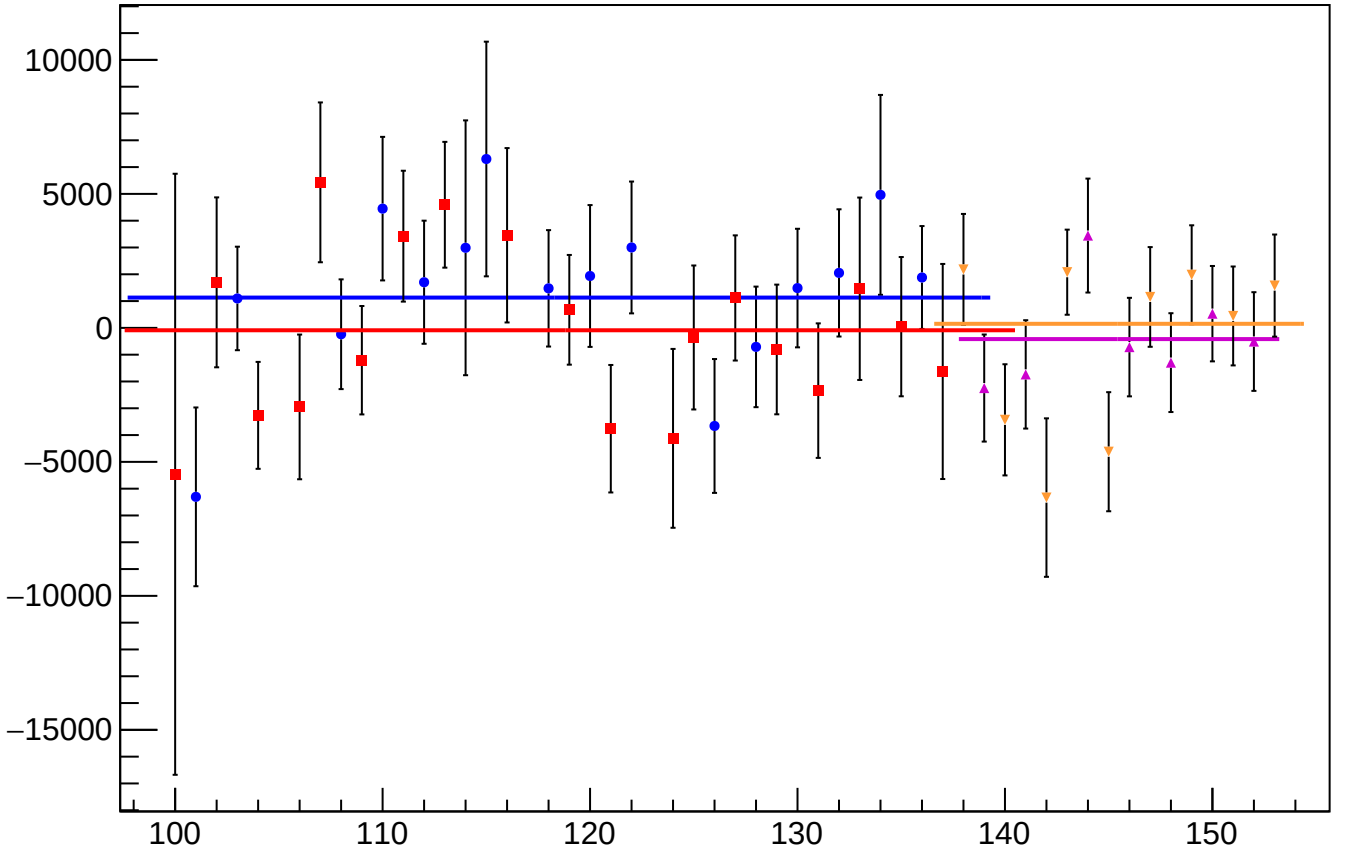
Left In: 941.336+/-0.270 χ^2/NDF:50662.5/6

+ sign 1100.407+/-0.223 χ^2/NDF: 3899982.0/24

All: 1083.993+/-0.156 χ^2/NDF: 6781793.4/50

- sign 1068.247+/-0.218 χ^2/NDF: 2871165.8/25

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 152.077+/-655.075 χ^2/NDF:16.7/8

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

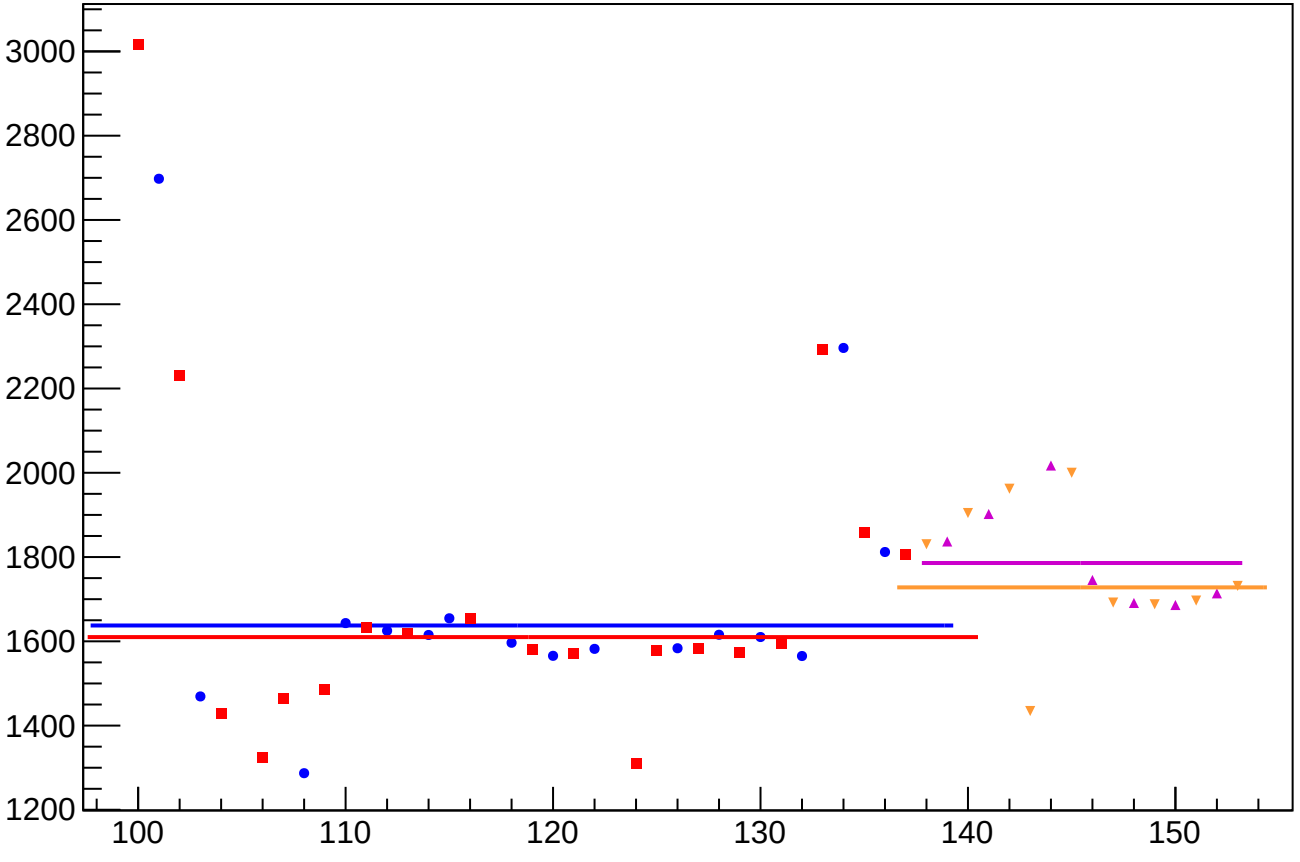
Left In: -418.080+/-722.236 χ^2/NDF:5.1/6

+ sign 670.482+/-449.233 χ^2/NDF: 32.9/24

All: 236.496+/-322.383 χ^2/NDF: 60.7/50

- sign -224.321+/-462.911 χ^2/NDF: 25.9/25

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1728.009+/-0.463 χ^2/NDF:132440.7/8

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

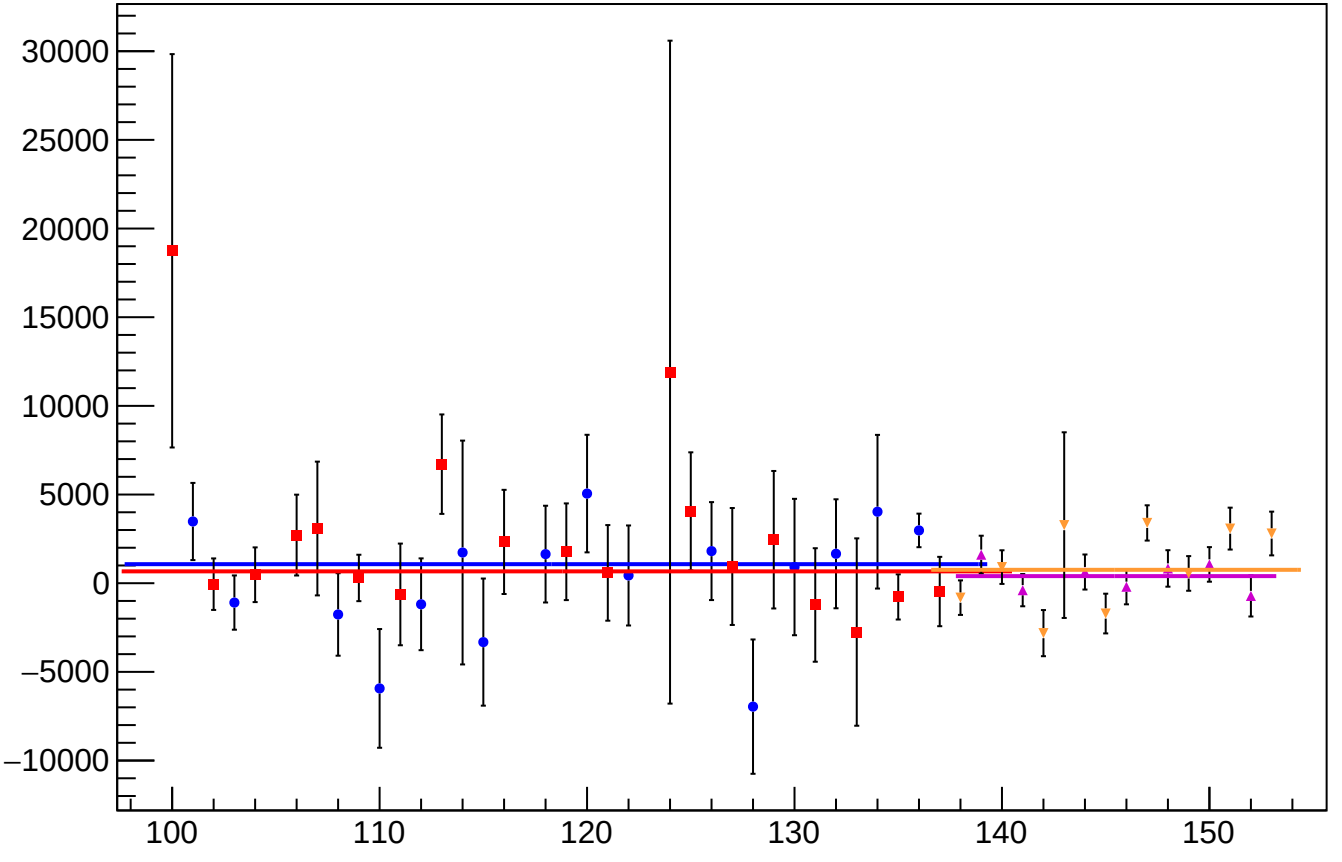
Left In: 1785.854+/-0.511 χ^2/NDF:47188.1/6

+ sign 1680.104+/-0.318 χ^2/NDF: 514048.7/24

All: 1681.153+/-0.228 χ^2/NDF: 911898.9/50

- sign 1682.267+/-0.327 χ^2/NDF: 397827.7/25

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 755.114+/-377.346 χ^2/NDF:29.0/8

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

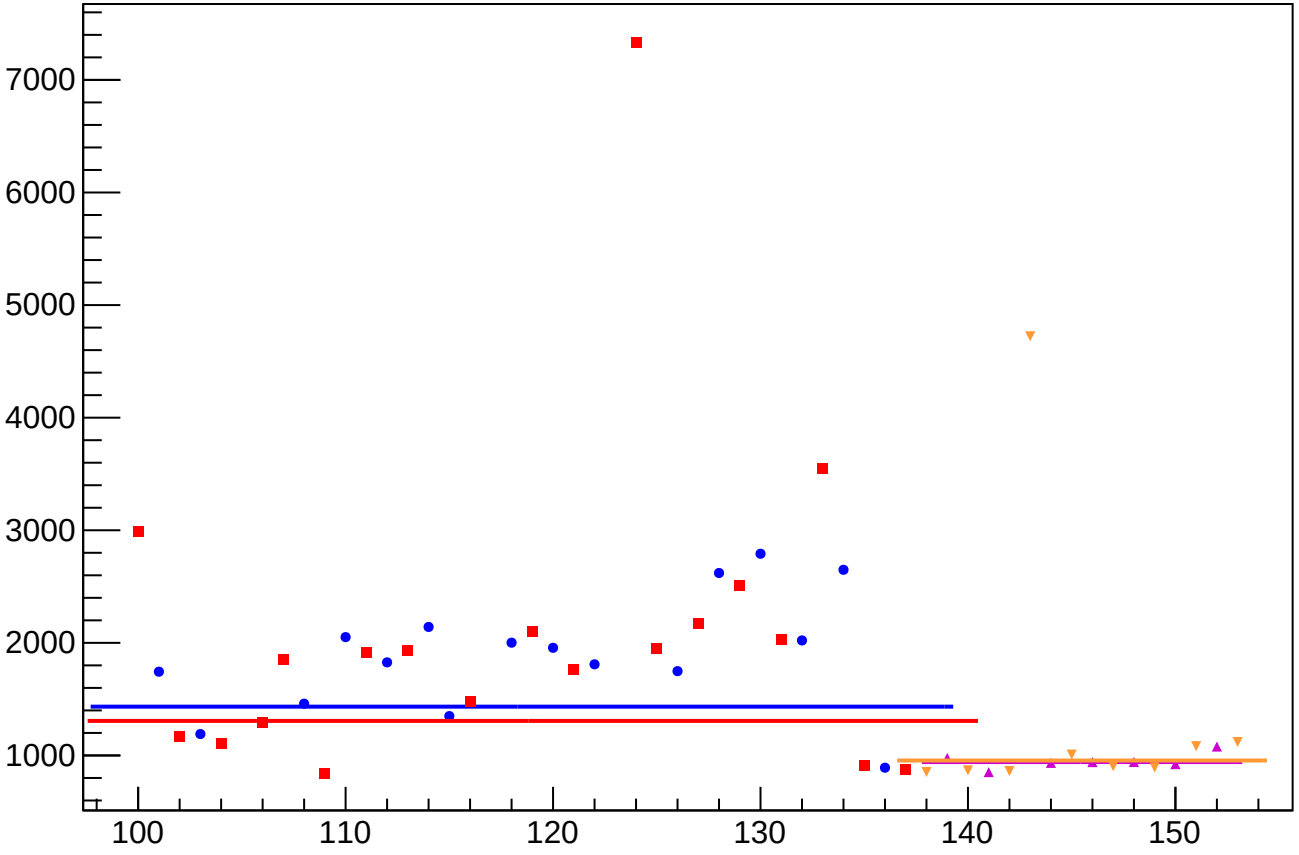
Left In: 400.151+/-381.763 χ^2/NDF:4.0/6

+ sign 851.777+/-314.916 χ^2/NDF: 51.2/24

All: 668.705+/-220.358 χ^2/NDF: 69.6/50

- sign 493.073+/-308.451 χ^2/NDF: 17.7/25

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 955.264+/-0.267 χ^2/NDF:1161497.5/8

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

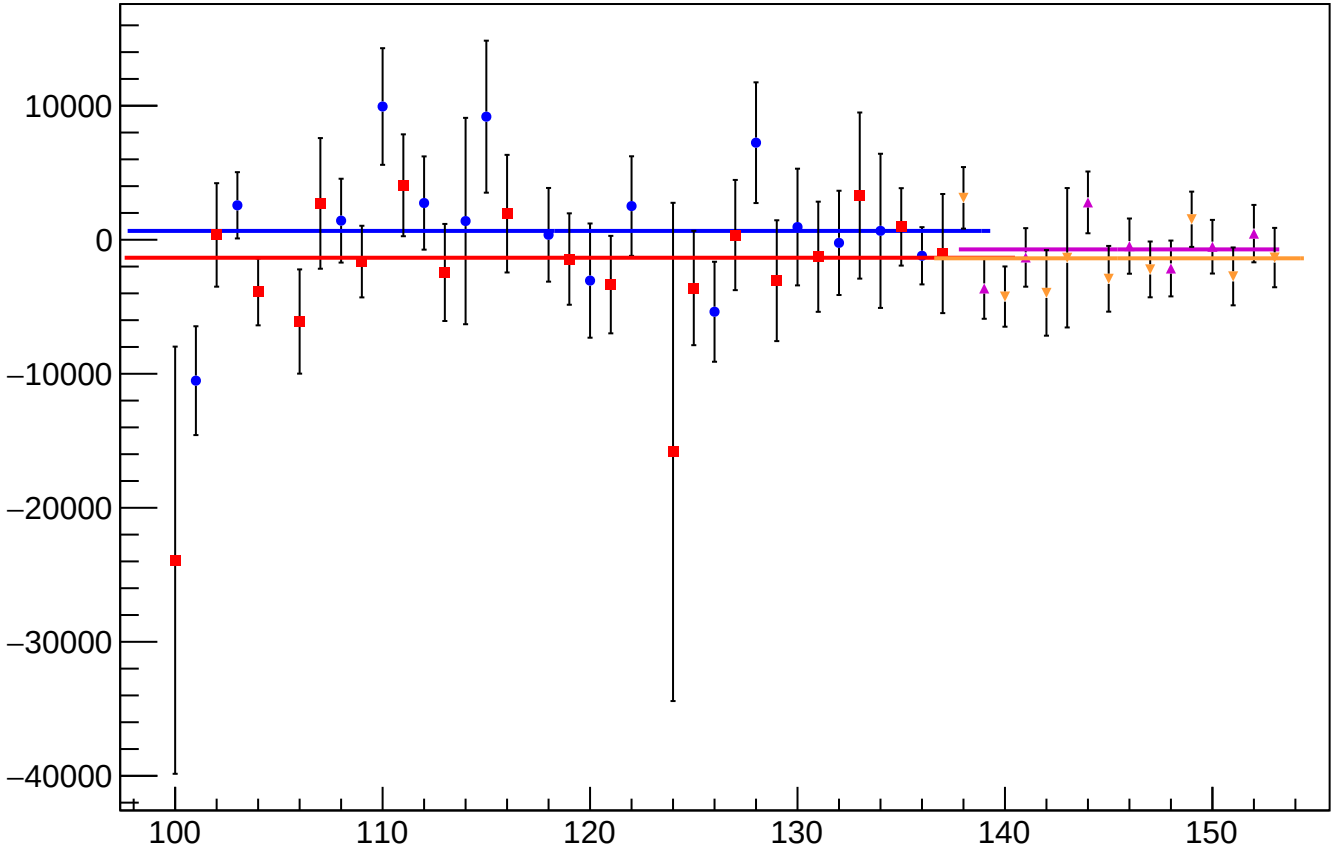
Left In: 941.337+/-0.270 χ^2/NDF:50663.7/6

+ sign 1100.415+/-0.223 χ^2/NDF: 3899899.7/24

All: 1083.999+/-0.156 χ^2/NDF: 6781678.6/50

- sign 1068.251+/-0.218 χ^2/NDF: 2871131.0/25

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1384.271+/-797.338 χ^2/NDF:9.1/8

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

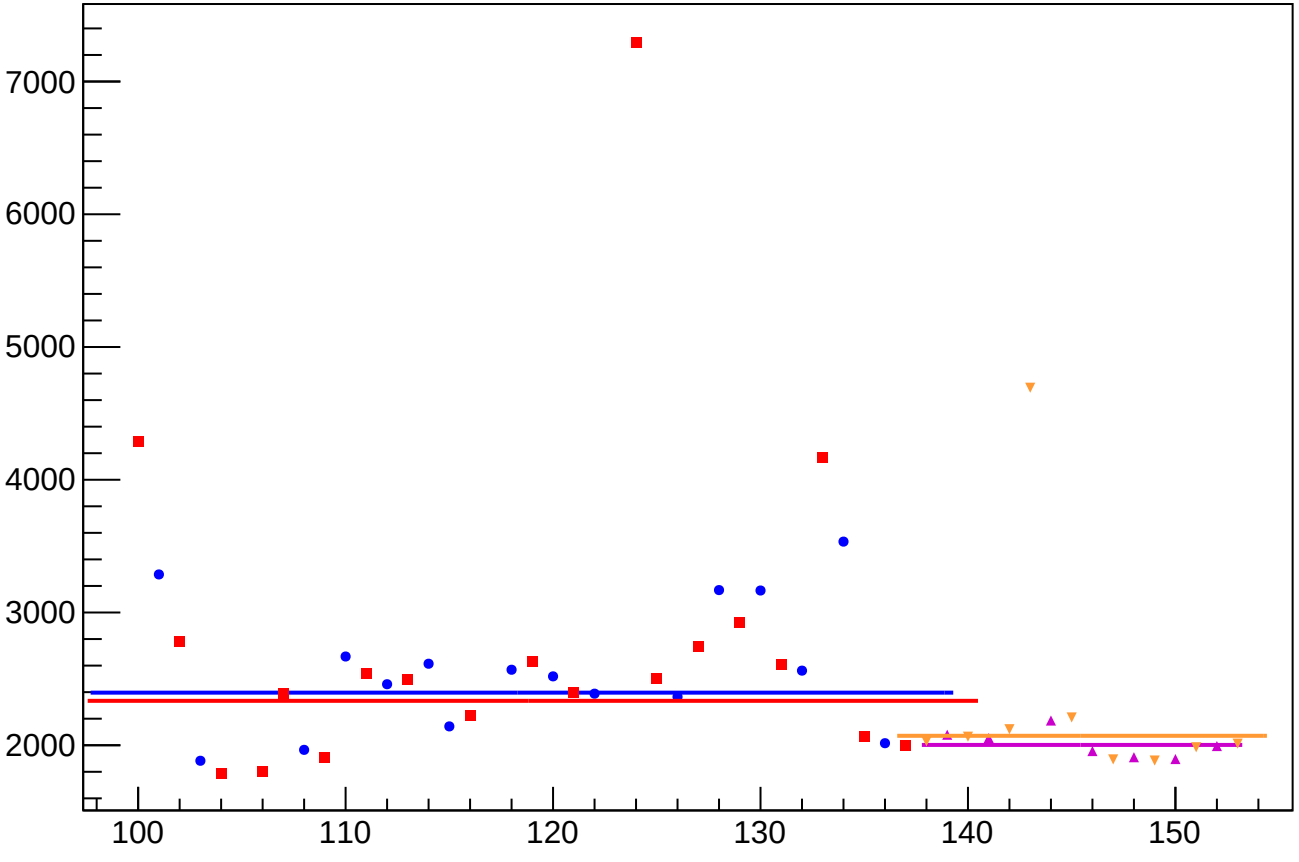
Left In: -718.938+/-809.195 χ^2/NDF:4.8/6

+ sign -496.207+/-599.579 χ^2/NDF: 33.9/24

All: -748.744+/-423.725 χ^2/NDF: 50.2/50

- sign -1000.705+/-598.896 χ^2/NDF: 15.9/25

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2071.227+/-0.564 χ^2/NDF:551383.1/8

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

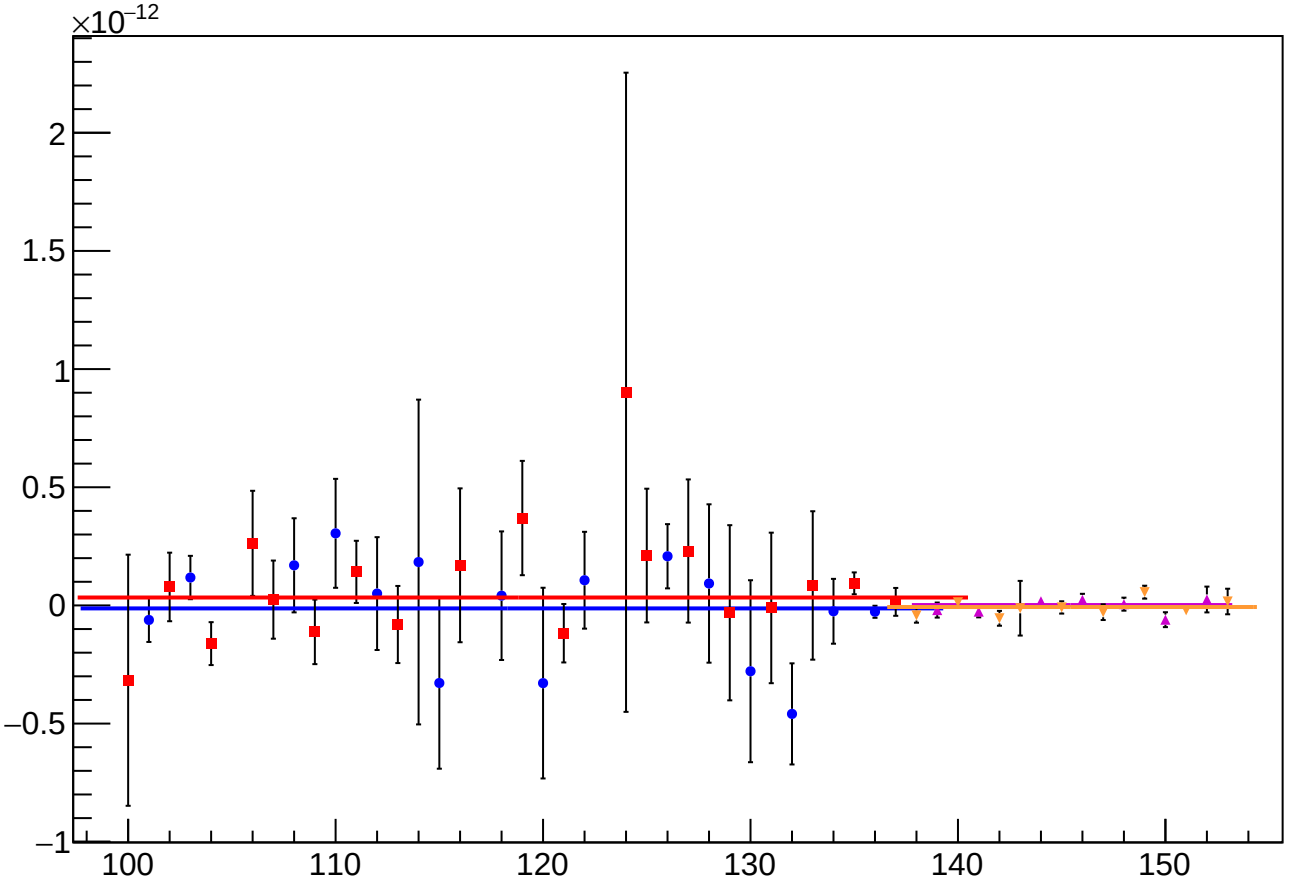
Left In: 2002.397+/-0.572 χ^2/NDF:26806.2/6

+ sign 2212.471+/-0.424 χ^2/NDF: 1203712.3/24

All: 2182.515+/-0.300 χ^2/NDF: 2074492.5/50

- sign 2152.628+/-0.423 χ^2/NDF: 860806.9/25

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

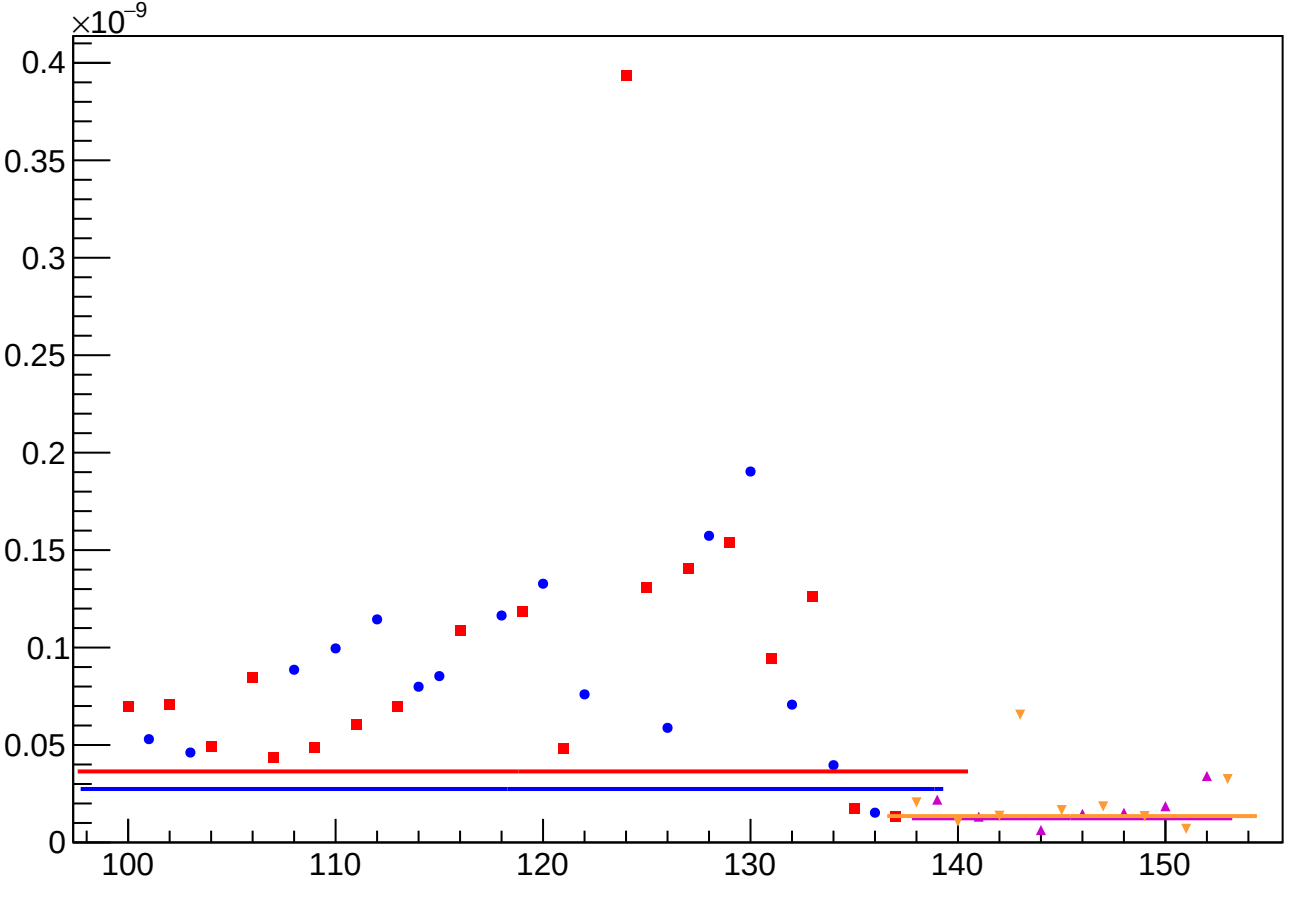
Left In: 0.000+/-0.000 χ^2/NDF:7.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/24

All: -0.000+/-0.000 χ^2/NDF: 51.3/50

- sign 0.000+/-0.000 χ^2/NDF: 24.2/25

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1121018.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

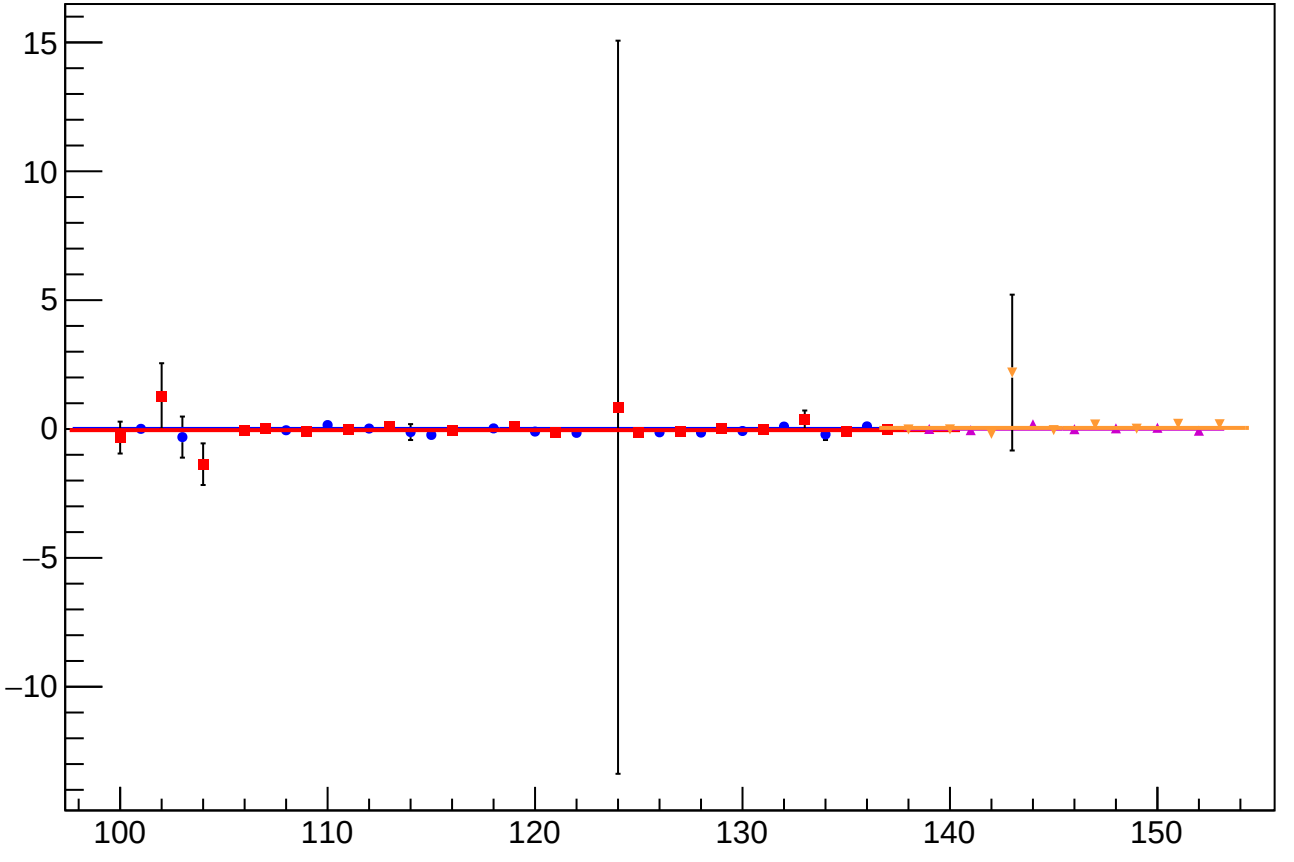
Left In: 0.000+/-0.000 χ^2/NDF:995604.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 4519951.7/24

All: 0.000+/-0.000 χ^2/NDF: 9303555.5/50

- sign 0.000+/-0.000 χ^2/NDF: 4773159.0/25

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.043+/-0.026 χ^2/NDF:16.2/8

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

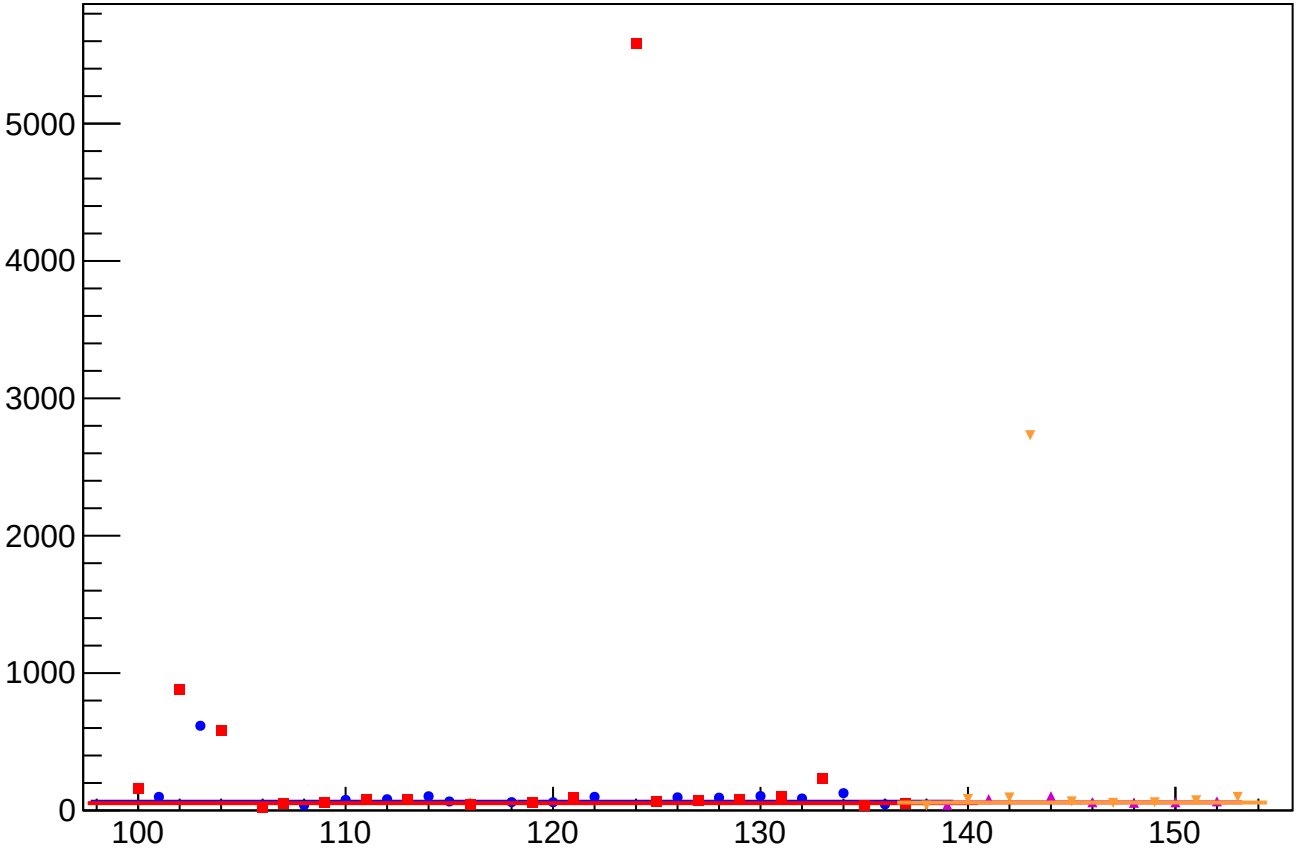
Left In: 0.010+/-0.026 χ^2/NDF:4.2/6

+ sign 0.024+/-0.019 χ^2/NDF: 30.6/24

All: 0.002+/-0.013 χ^2/NDF: 52.3/50

- sign -0.018+/-0.018 χ^2/NDF: 19.1/25

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.550+/-0.018 χ^2/NDF:2736824.9/8

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

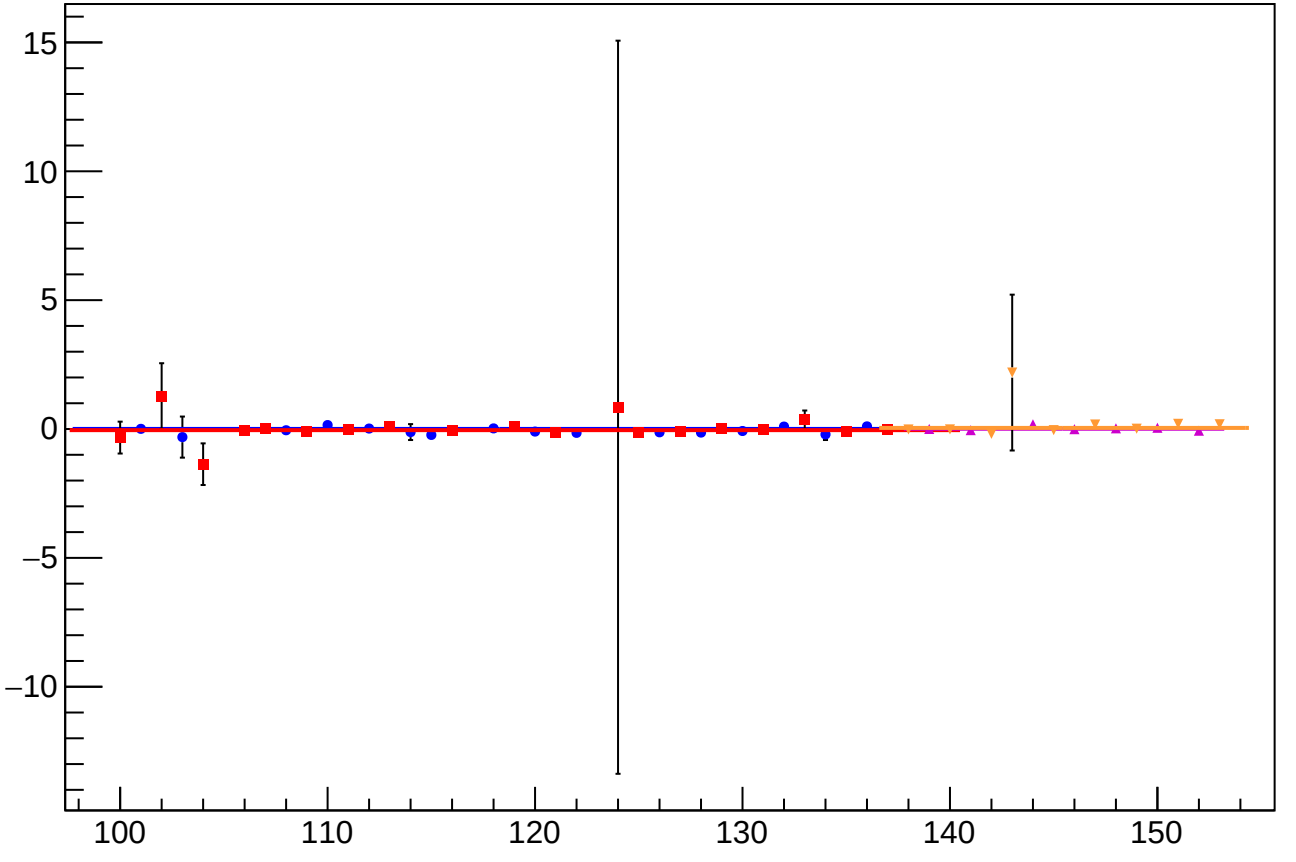
Left In: 58.764+/-0.018 χ^2/NDF:751102.2/6

+ sign 60.328+/-0.013 χ^2/NDF: 5231921.8/24

All: 58.005+/-0.009 χ^2/NDF: 10036124.8/50

- sign 55.843+/-0.013 χ^2/NDF: 4744383.8/25

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.043+/-0.026 χ^2/NDF:16.2/8

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

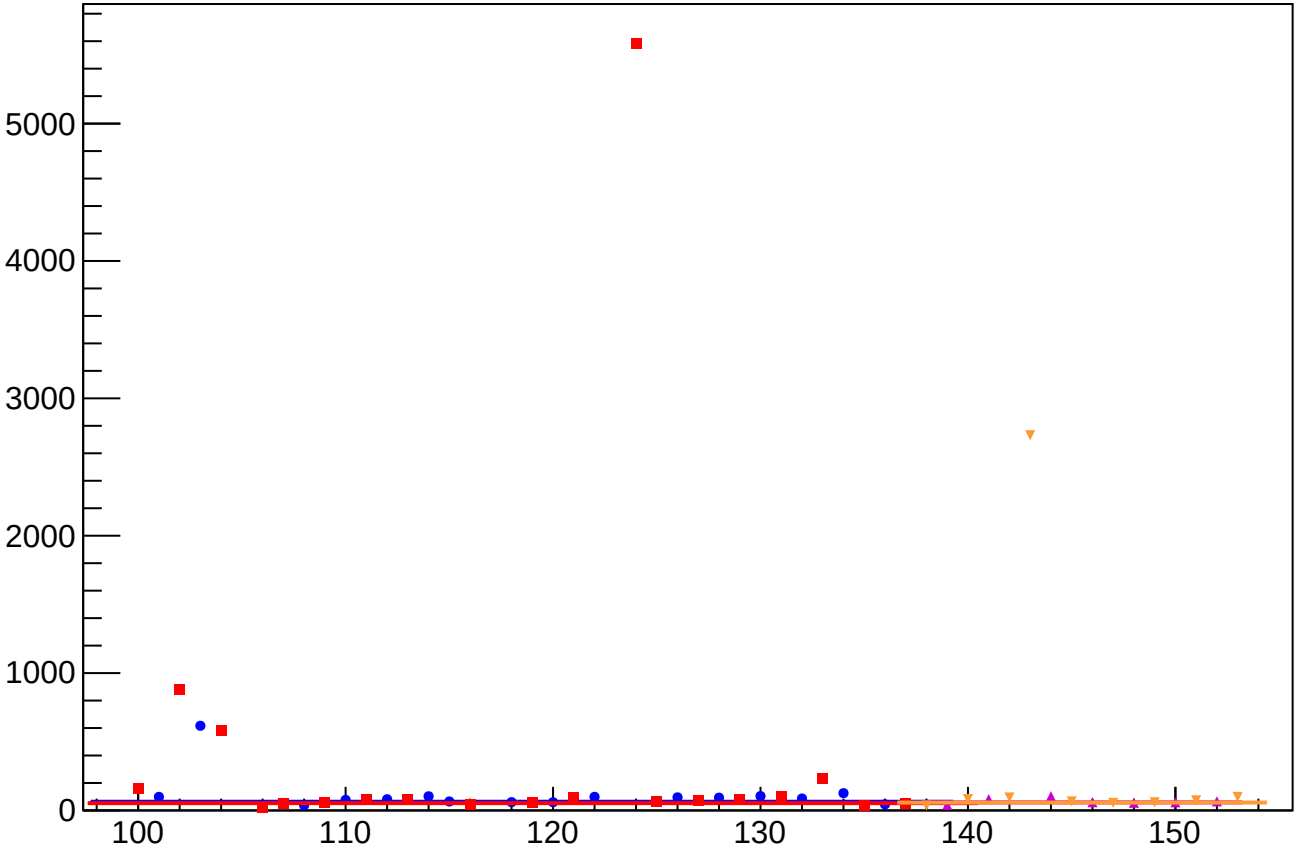
Left In: 0.010+/-0.026 χ^2/NDF:4.2/6

+ sign 0.024+/-0.019 χ^2/NDF: 30.6/24

All: 0.002+/-0.013 χ^2/NDF: 52.3/50

- sign -0.018+/-0.018 χ^2/NDF: 19.1/25

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.550+/-0.018 χ^2/NDF:2736824.9/8

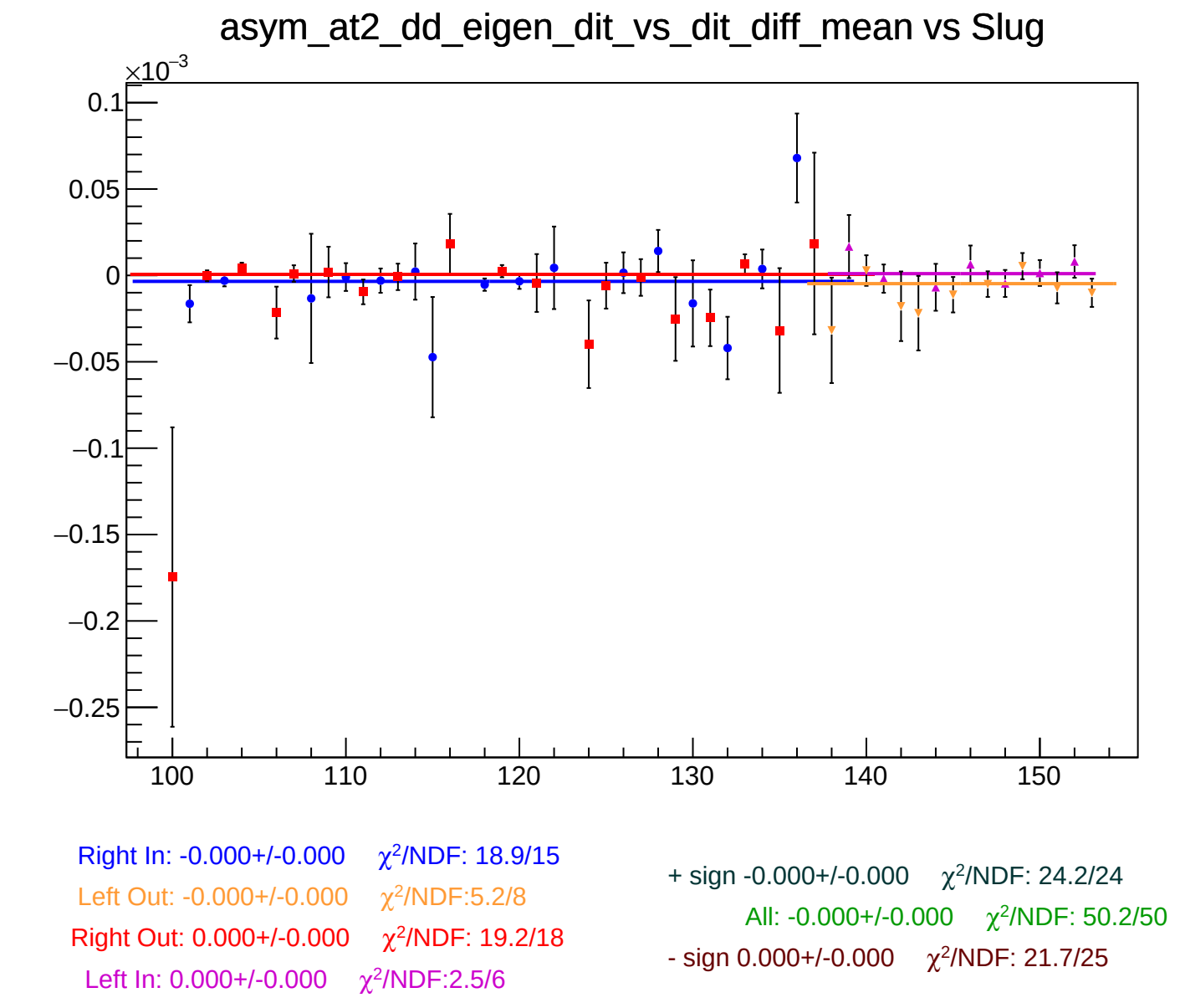
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 58.764+/-0.018 χ^2/NDF:751102.2/6

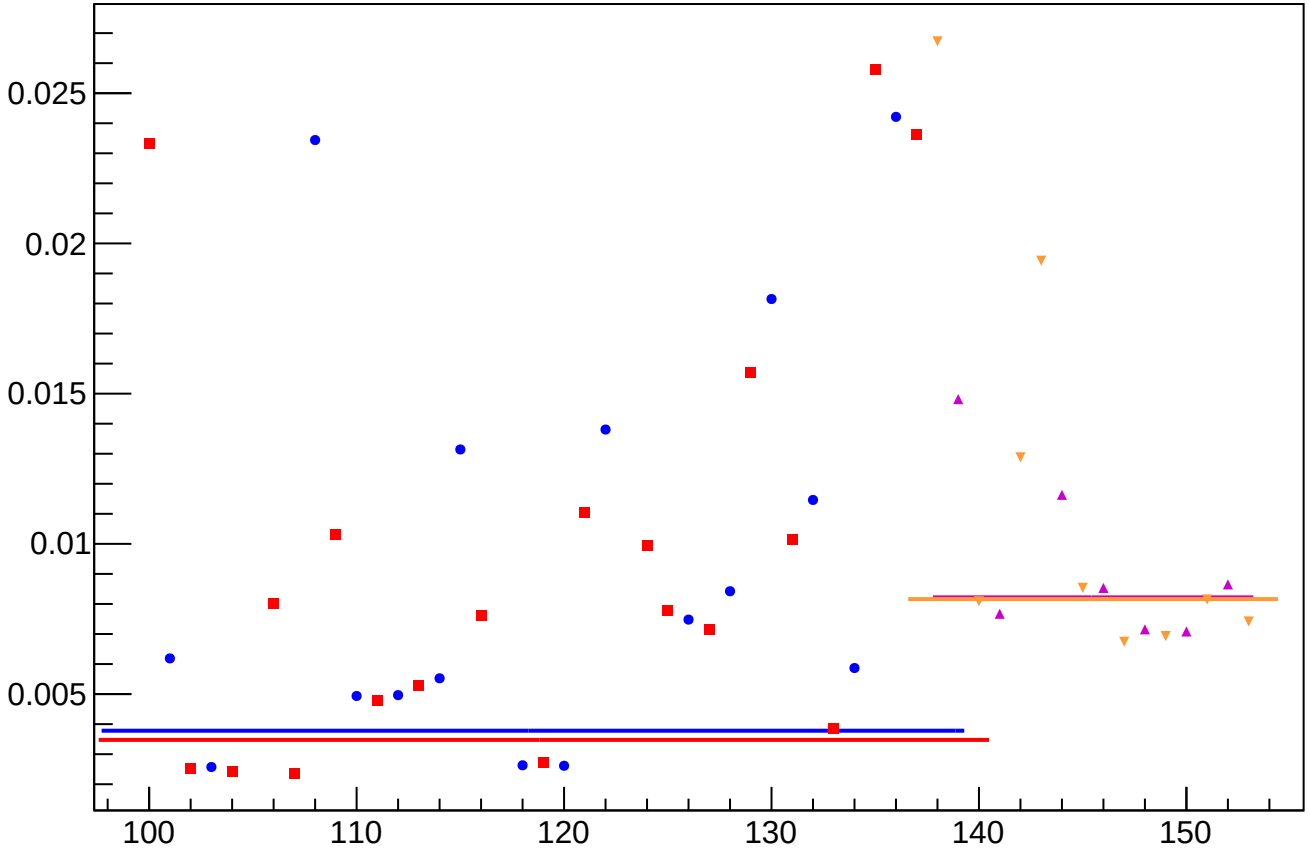
+ sign 60.328+/-0.013 χ^2/NDF: 5231921.8/24

All: 58.005+/-0.009 χ^2/NDF: 10036124.8/50

- sign 55.843+/-0.013 χ^2/NDF: 4744383.8/25


asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 18.9/15
Left Out: -0.000+/-0.000 χ²/NDF:5.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 19.2/18
Left In: 0.000+/-0.000 χ²/NDF:2.5/6
+ sign -0.000+/-0.000 χ²/NDF: 24.2/24
All: -0.000+/-0.000 χ²/NDF: 50.2/50
- sign 0.000+/-0.000 χ²/NDF: 21.7/25

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:1540555.7/8

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

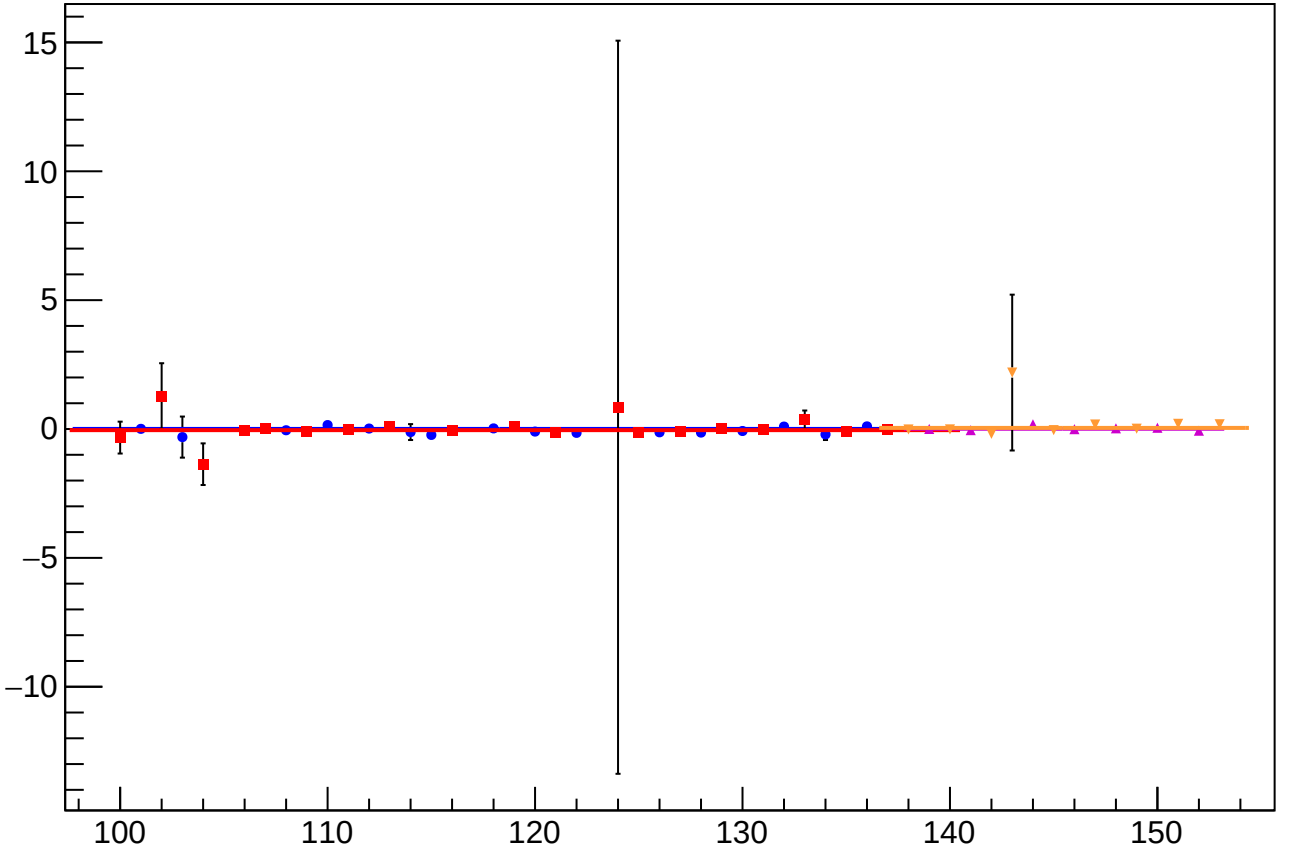
Left In: 0.008+/-0.000 χ^2/NDF:485149.7/6

+ sign 0.005+/-0.000 χ^2/NDF: 8935529.8/24

All: 0.004+/-0.000 χ^2/NDF: 17002104.9/50

- sign 0.004+/-0.000 χ^2/NDF: 7917082.4/25

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.043+/-0.026 χ^2/NDF:16.2/8

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

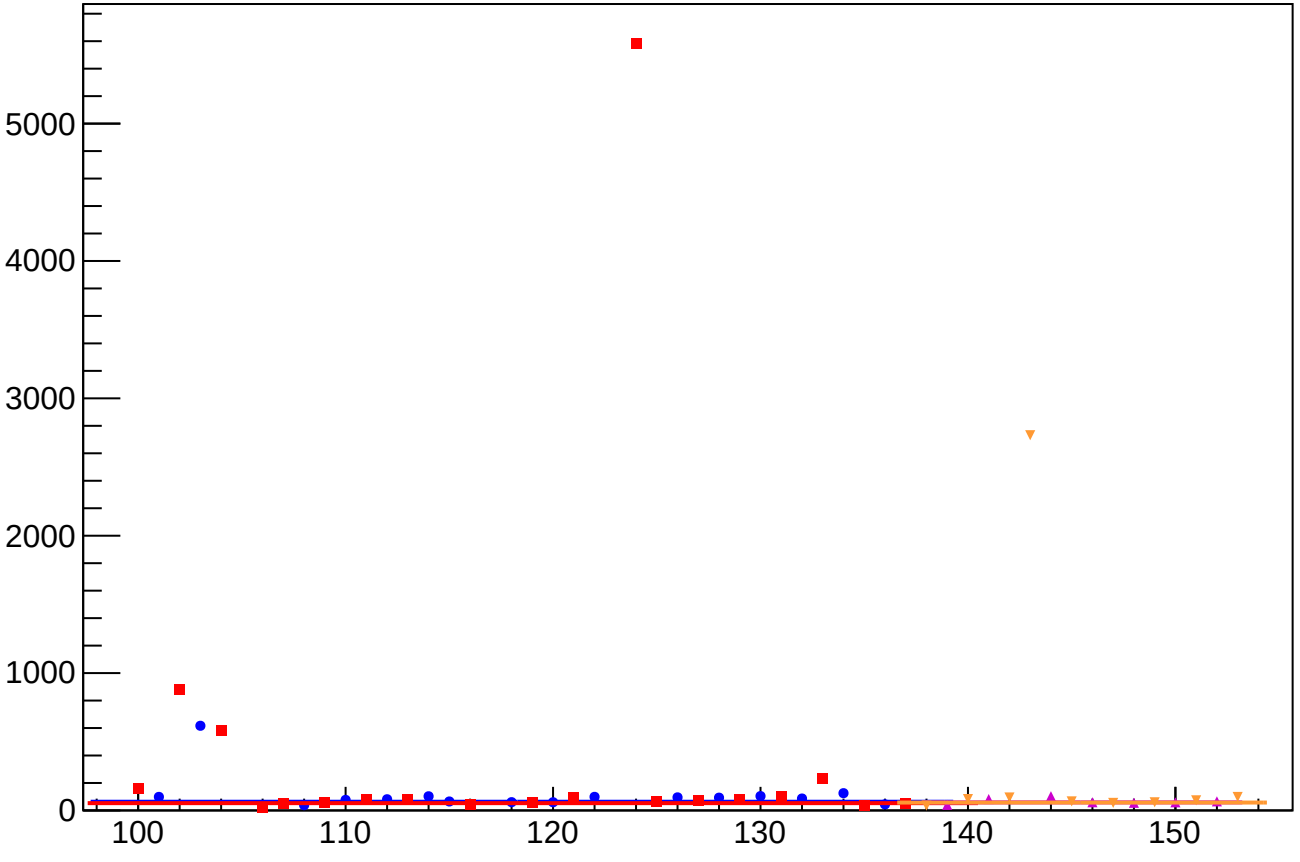
Left In: 0.010+/-0.026 χ^2/NDF:4.2/6

+ sign 0.024+/-0.019 χ^2/NDF: 30.6/24

All: 0.002+/-0.013 χ^2/NDF: 52.3/50

- sign -0.018+/-0.018 χ^2/NDF: 19.1/25

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.547+/-0.018 χ^2/NDF:2736794.9/8

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

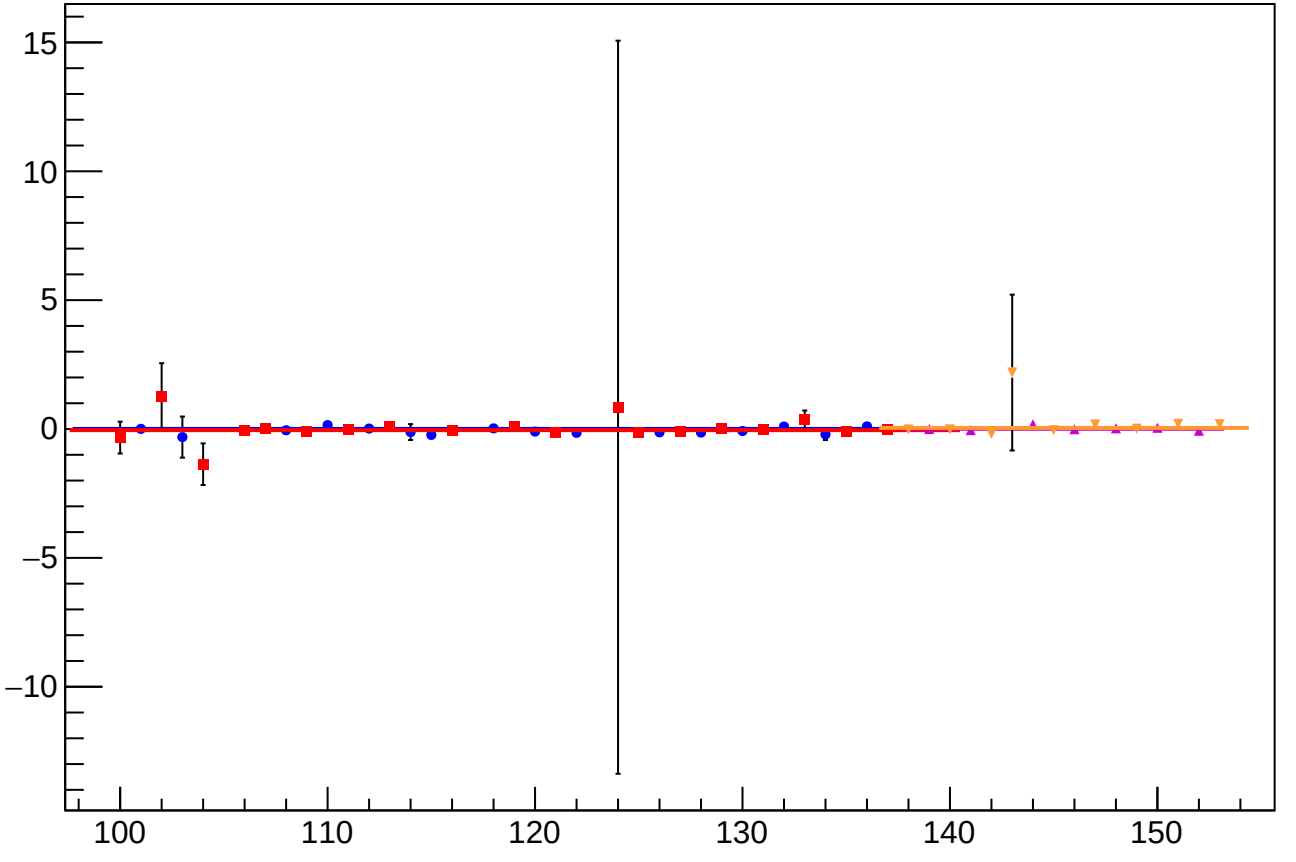
Left In: 58.768+/-0.018 χ^2/NDF:750771.9/6

+ sign 60.331+/-0.013 χ^2/NDF: 5231177.7/24

All: 58.005+/-0.009 χ^2/NDF: 10035852.0/50

- sign 55.841+/-0.013 χ^2/NDF: 4744752.3/25

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.043+/-0.026 χ^2/NDF:16.2/8

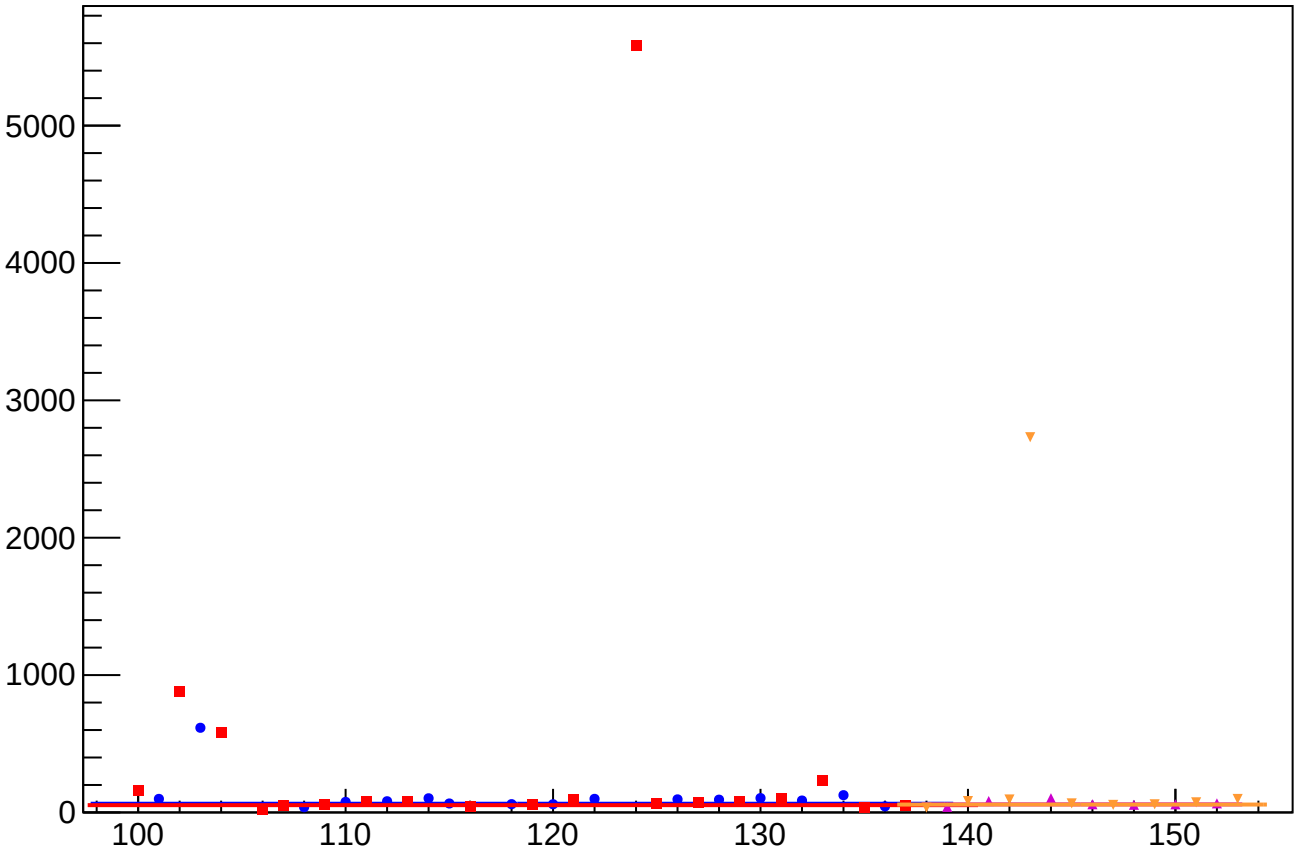
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.010+/-0.026 χ^2/NDF:4.2/6

+ sign 0.024+/-0.019 χ^2/NDF: 30.6/24

All: 0.002+/-0.013 χ^2/NDF: 52.3/50

- sign -0.018+/-0.018 χ^2/NDF: 19.1/25



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.547+/-0.018 χ^2/NDF:2736794.9/8

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

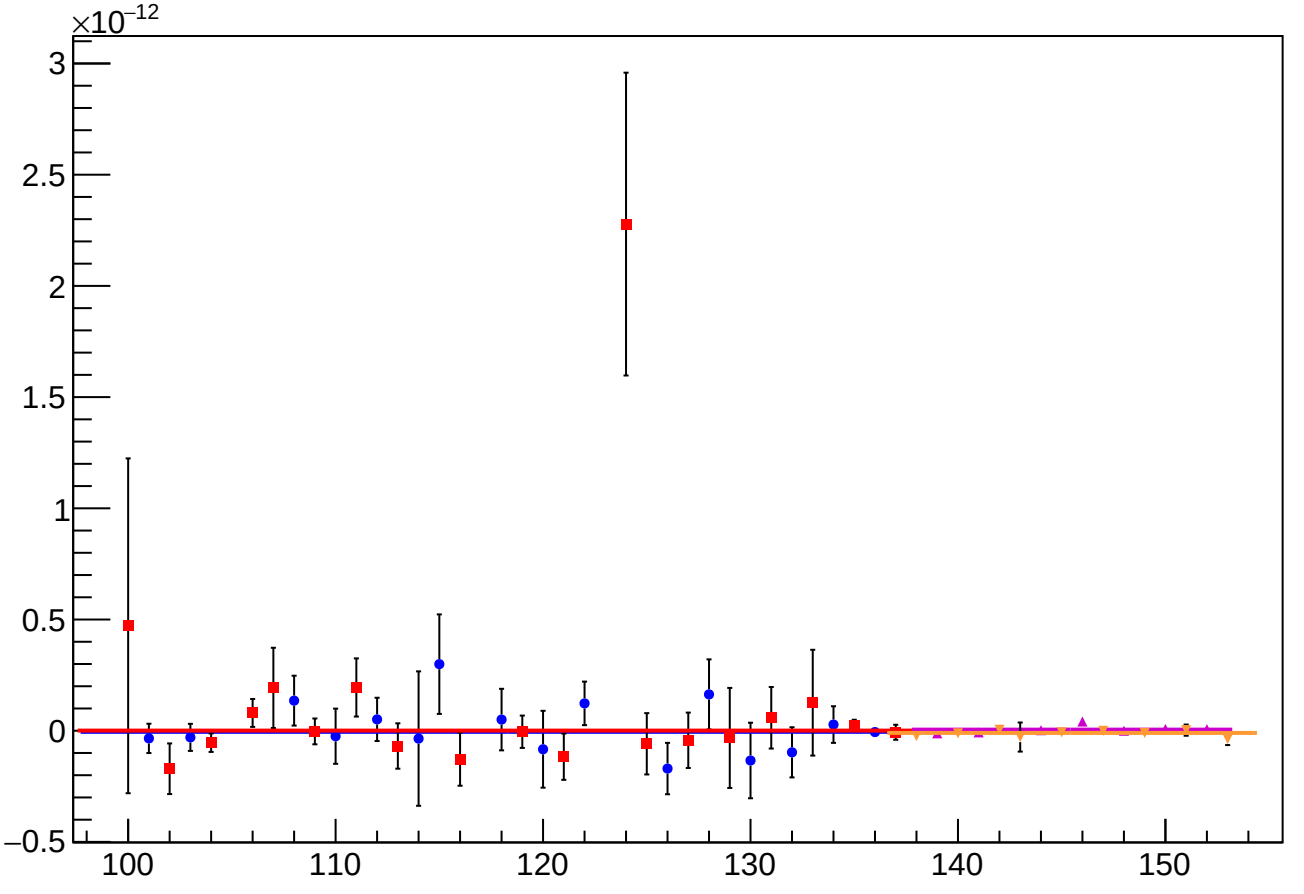
Left In: 58.768+/-0.018 χ^2/NDF:750771.9/6

+ sign 60.331+/-0.013 χ^2/NDF: 5231177.7/24

All: 58.005+/-0.009 χ^2/NDF: 10035852.0/50

- sign 55.841+/-0.013 χ^2/NDF: 4744752.3/25

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/8

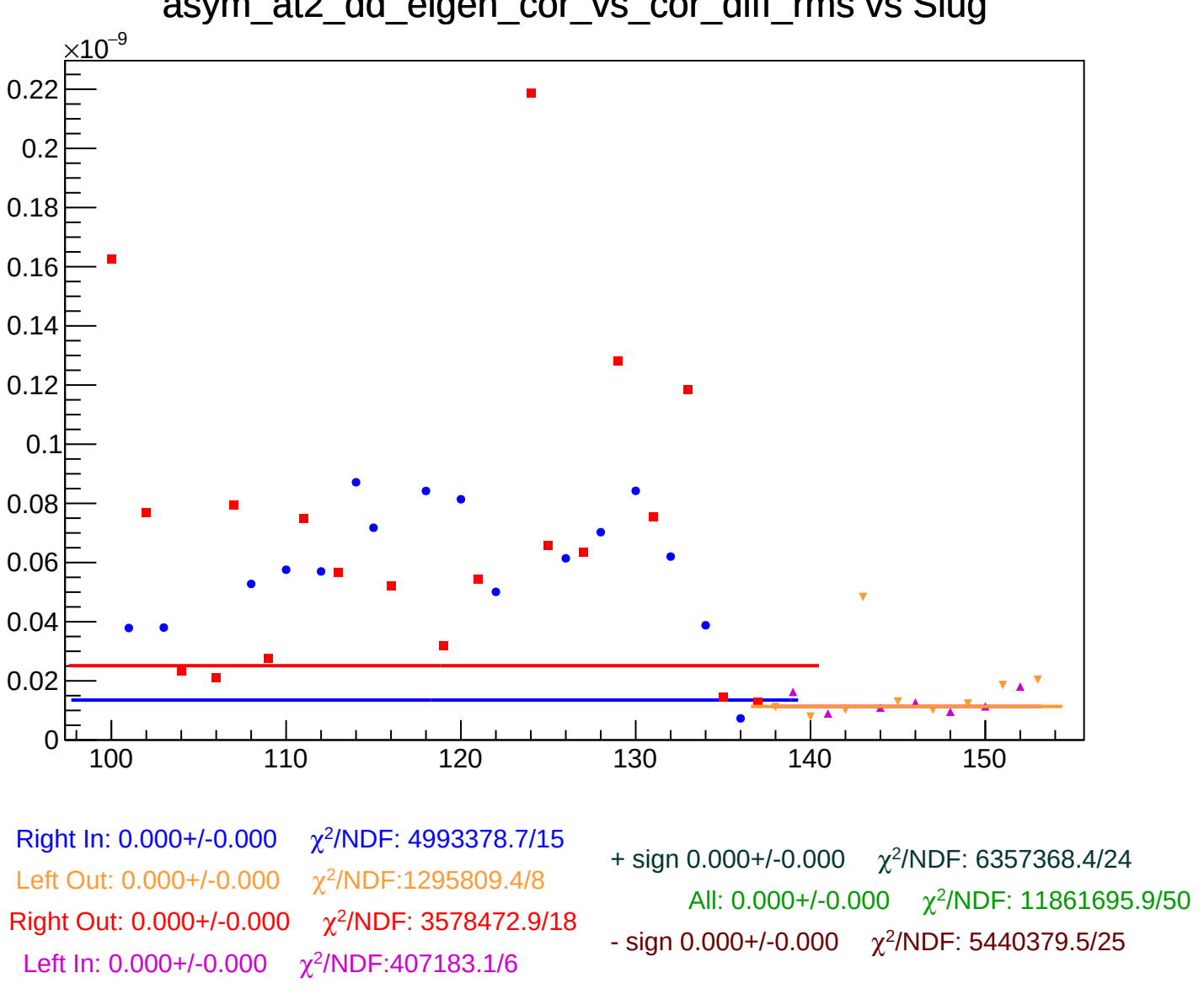
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/6

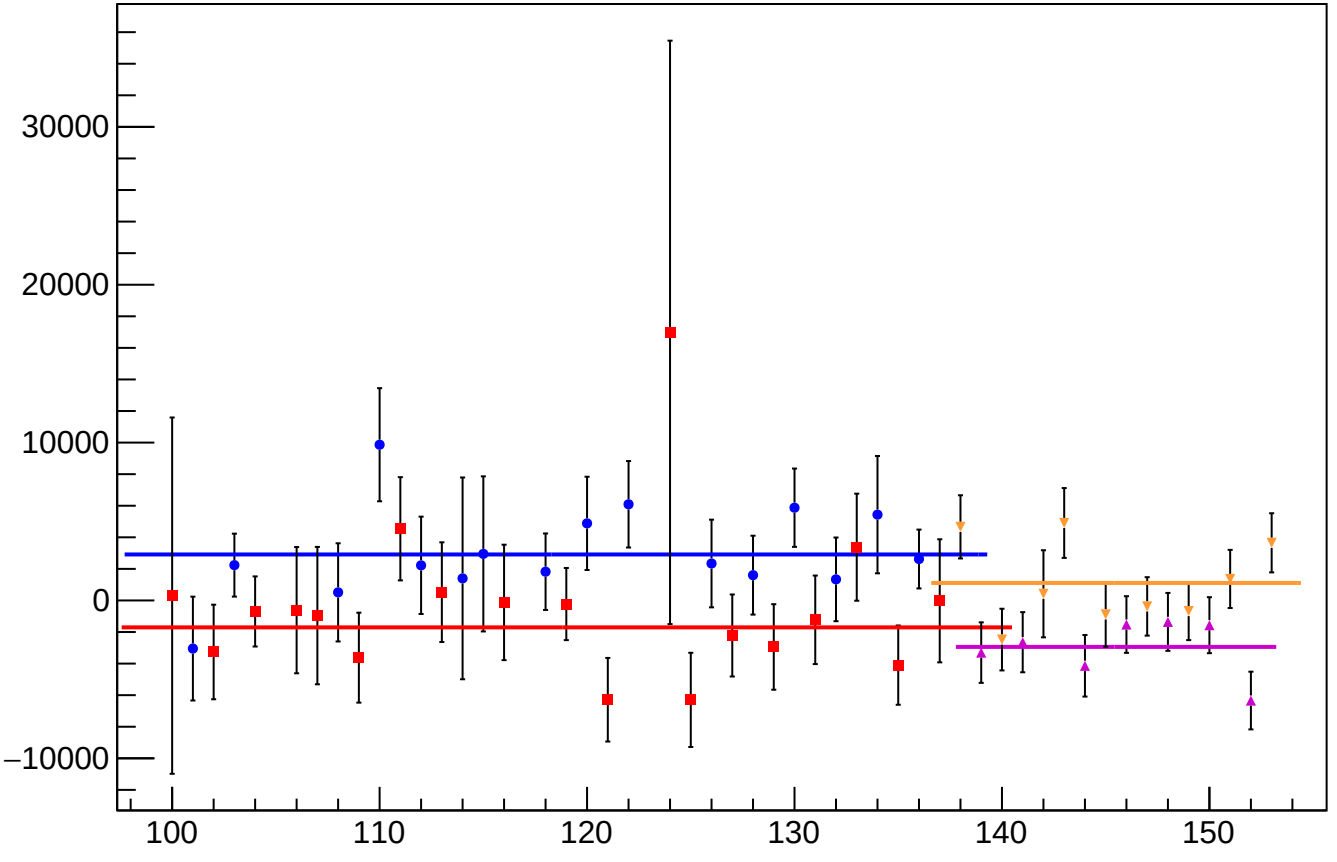
+ sign -0.000+/-0.000 χ^2/NDF: 14.2/24

All: -0.000+/-0.000 χ^2/NDF: 49.5/50

- sign 0.000+/-0.000 χ^2/NDF: 32.2/25


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4993378.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1295809.4/8
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:407183.1/6
+ sign 0.000+/-0.000 χ²/NDF: 6357368.4/24
All: 0.000+/-0.000 χ²/NDF: 11861695.9/50
- sign 0.000+/-0.000 χ²/NDF: 5440379.5/25

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1108.131+/-666.224 χ^2/NDF:13.9/8

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

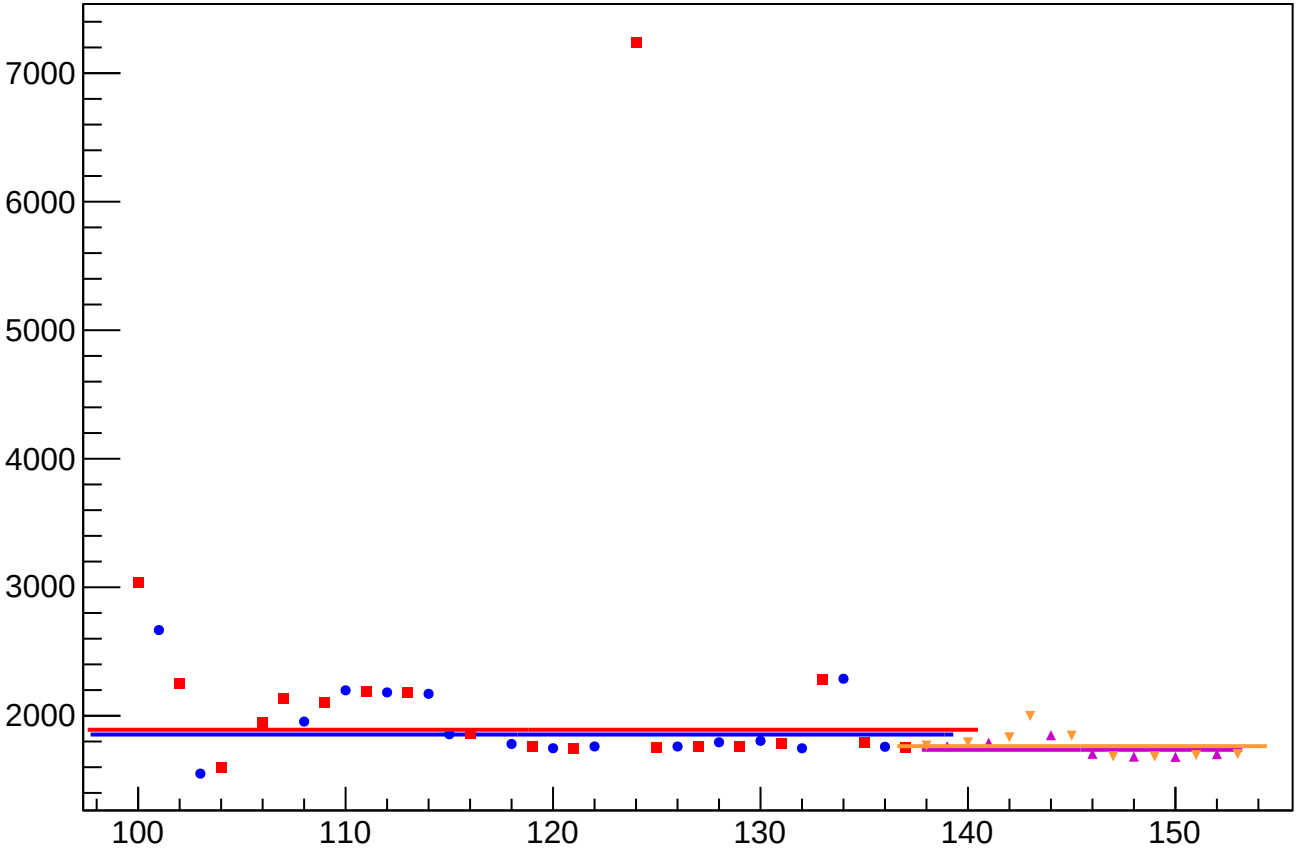
Left In: -2942.665+/-700.877 χ^2/NDF:5.9/6

+ sign 1972.343+/-480.963 χ^2/NDF: 29.9/24

All: -104.842+/-345.855 χ^2/NDF: 91.7/50

- sign -2329.033+/-497.692 χ^2/NDF: 23.2/25

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1763.564+/-0.471 χ^2/NDF:40229.4/8

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

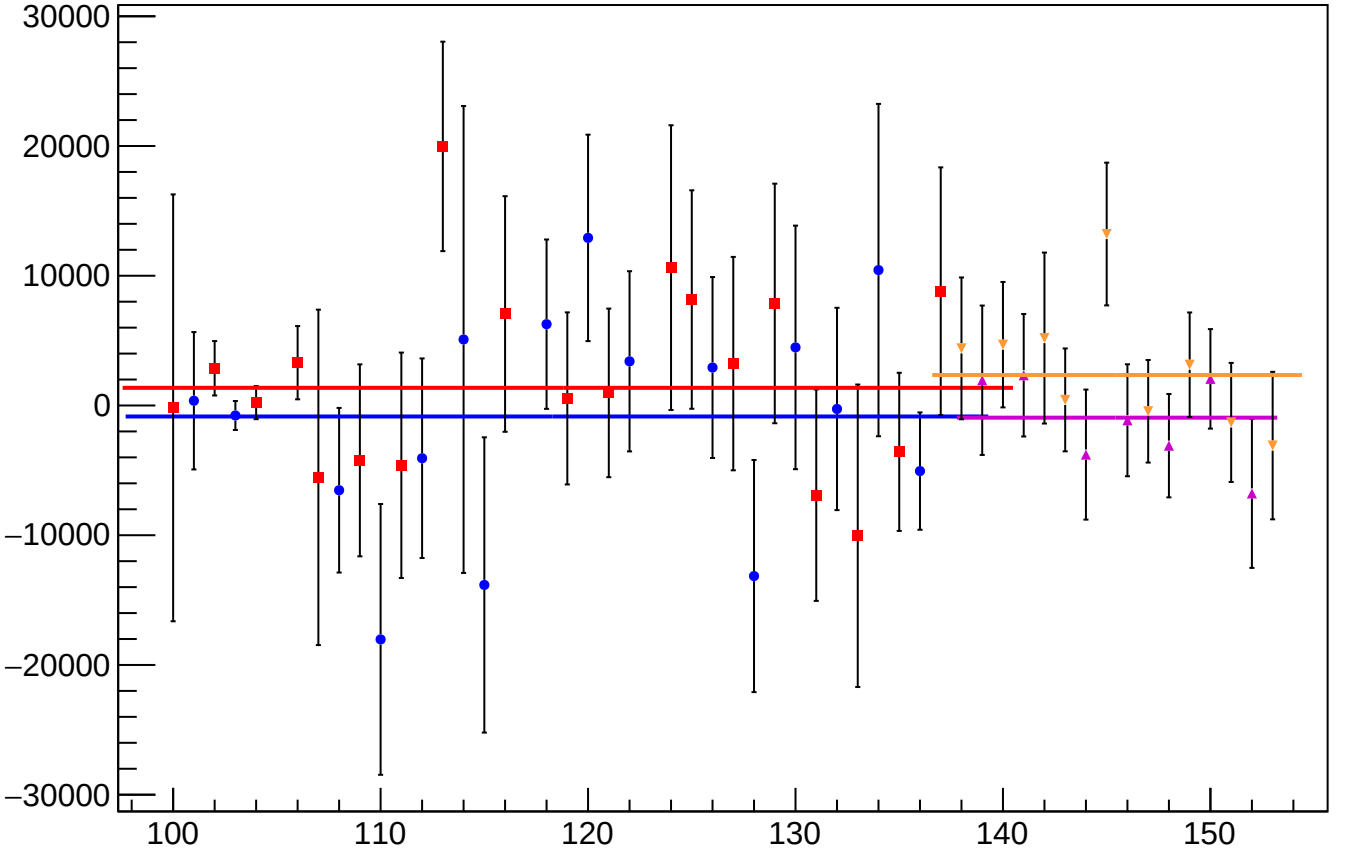
Left In: 1735.602+/-0.496 χ^2/NDF:13820.2/6

+ sign 1807.017+/-0.340 χ^2/NDF: 321320.9/24

All: 1809.936+/-0.244 χ^2/NDF: 748496.2/50

- sign 1813.055+/-0.352 χ^2/NDF: 427022.9/25

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 2347.789+/-1581.150 χ^2/NDF:6.8/8

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

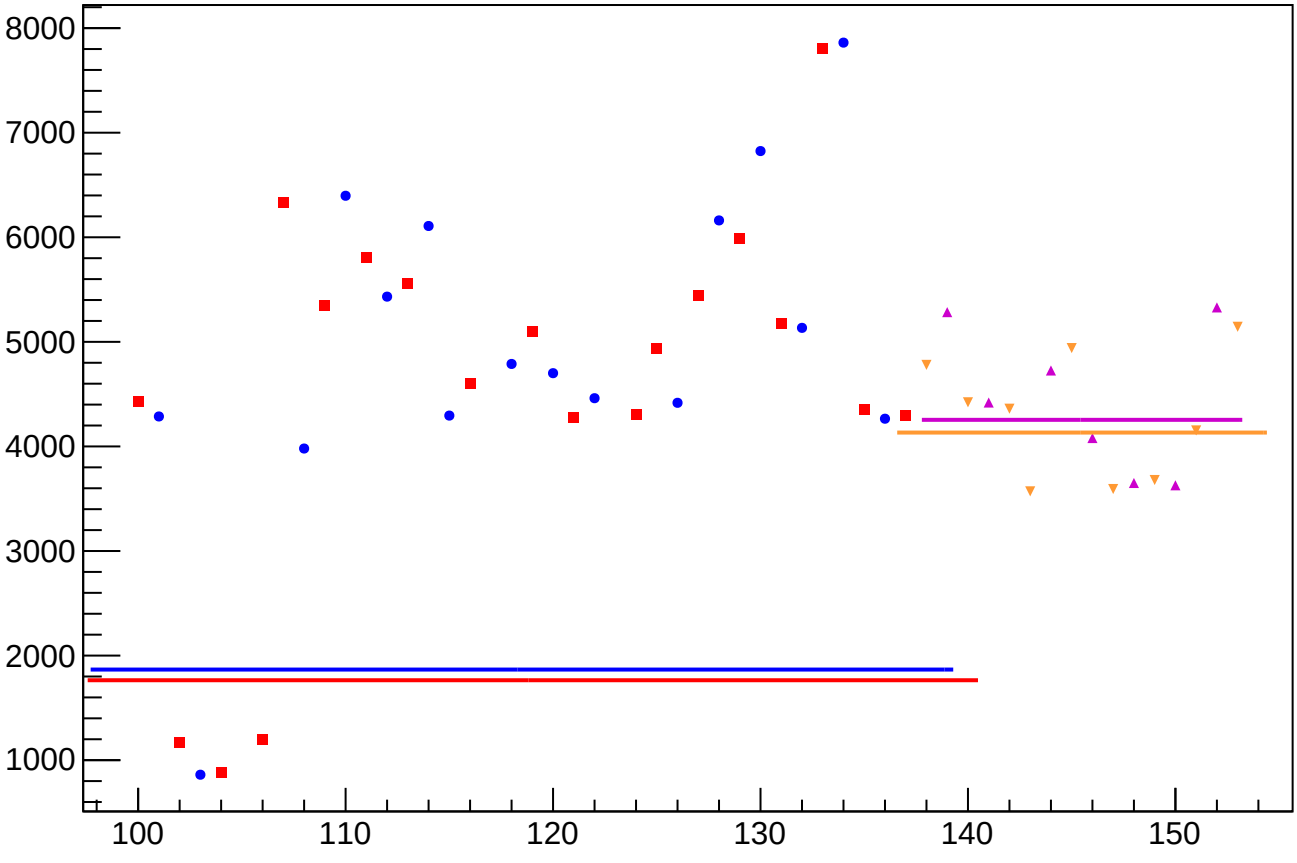
Left In: -939.290+/-1741.058 χ^2/NDF:3.0/6

+ sign 16.612+/-822.414 χ^2/NDF: 23.6/24

All: 445.823+/-577.312 χ^2/NDF: 42.5/50

- sign 862.791+/-810.599 χ^2/NDF: 18.4/25

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4132.647+/-1.118 χ^2/NDF:246970.8/8

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

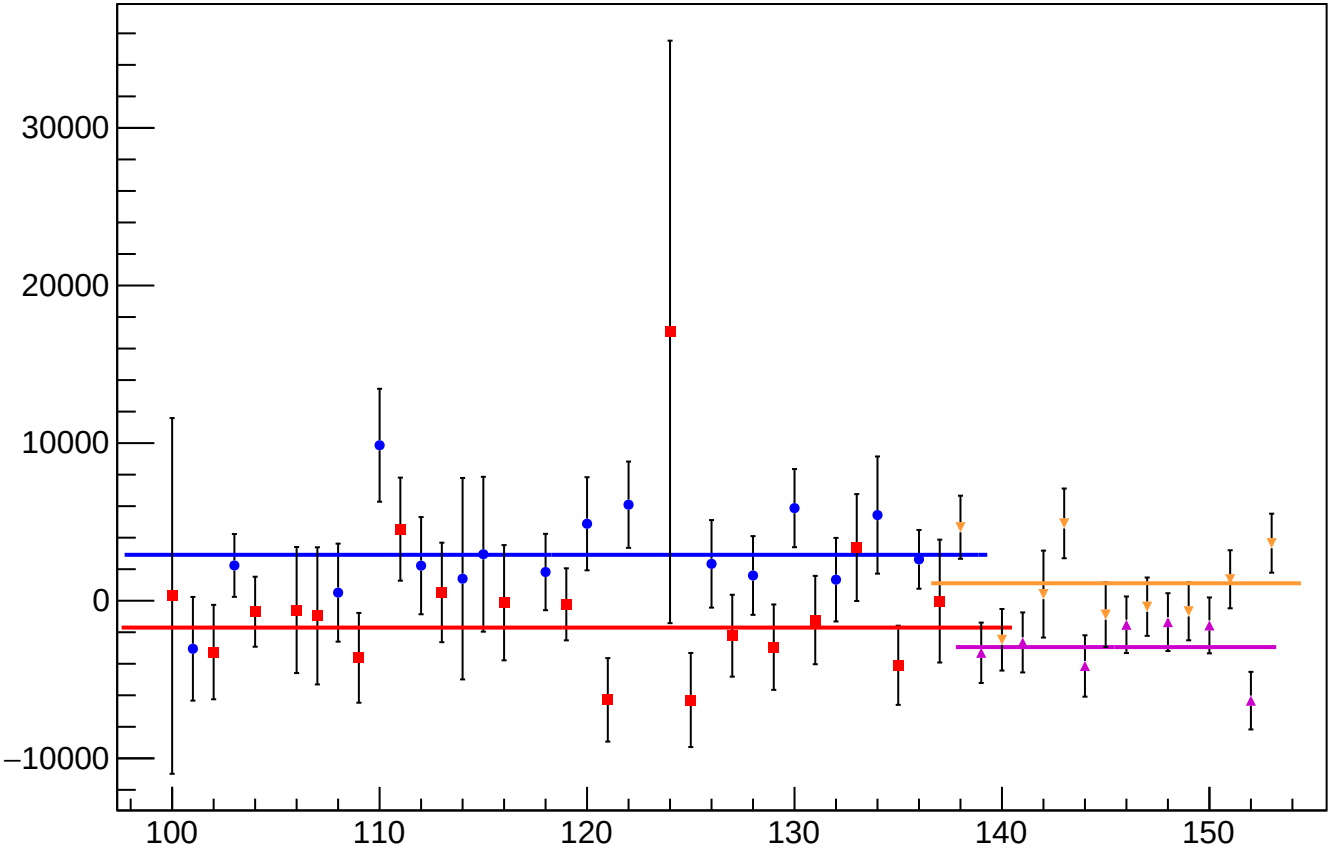
Left In: 4254.330+/-1.231 χ^2/NDF:256785.1/6

+ sign 2479.518+/-0.582 χ^2/NDF: 10093680.0/24

All: 2390.506+/-0.408 χ^2/NDF: 20035604.5/5

- sign 2304.033+/-0.573 χ^2/NDF: 9895735.2/25

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1107.950+/-666.224 χ^2/NDF:13.9/8

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

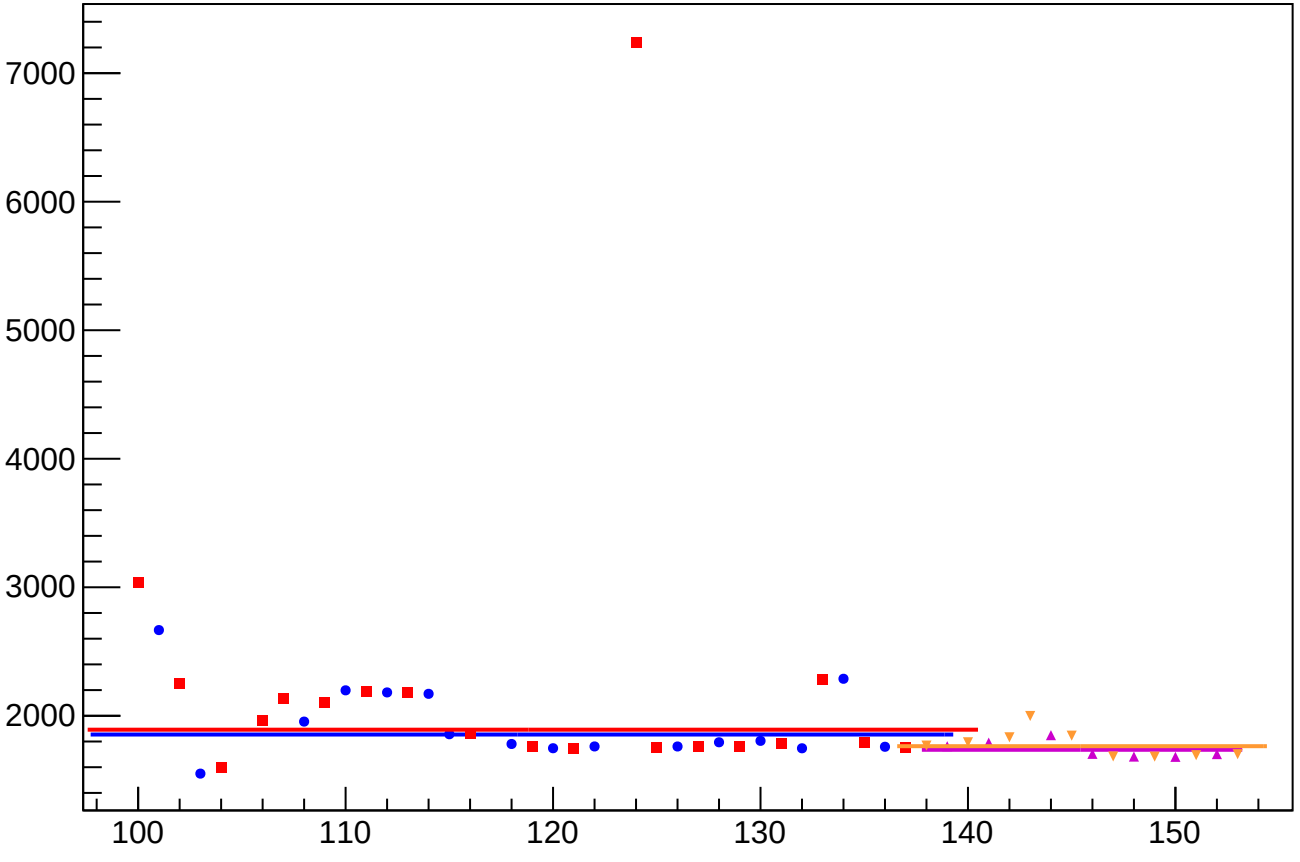
Left In: -2942.831+/-700.877 χ^2/NDF:5.9/6

+ sign 1972.297+/-480.963 χ^2/NDF: 29.9/24

All: -104.575+/-345.855 χ^2/NDF: 91.7/50

- sign -2328.433+/-497.692 χ^2/NDF: 23.2/25

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1763.564+/-0.471 χ^2/NDF:40229.4/8

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

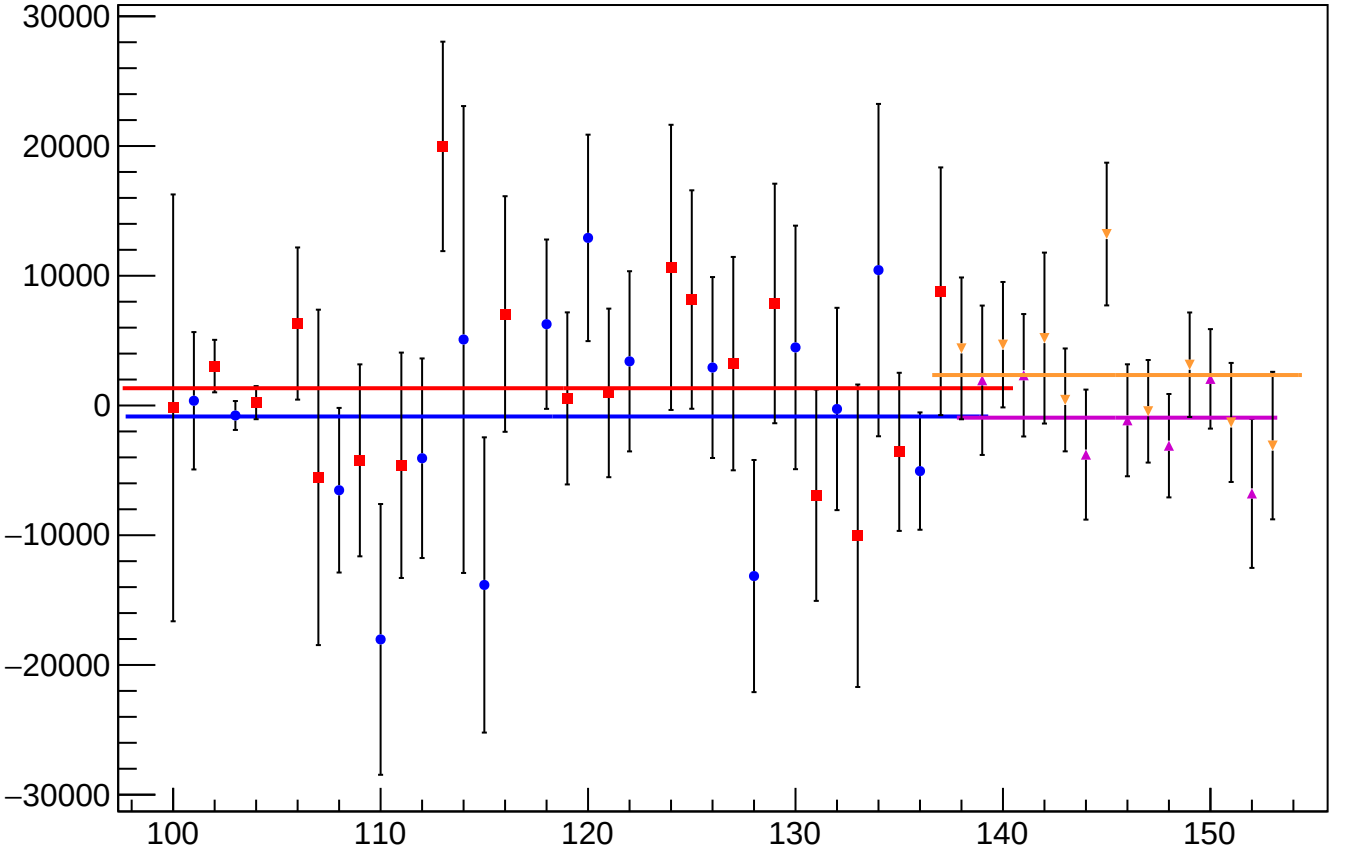
Left In: 1735.602+/-0.496 χ^2/NDF:13820.2/6

+ sign 1807.017+/-0.340 χ^2/NDF: 321320.8/24

All: 1810.038+/-0.244 χ^2/NDF: 749026.6/50

- sign 1813.265+/-0.352 χ^2/NDF: 427542.7/25

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2347.664+/-1581.147 χ^2/NDF:6.8/8

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

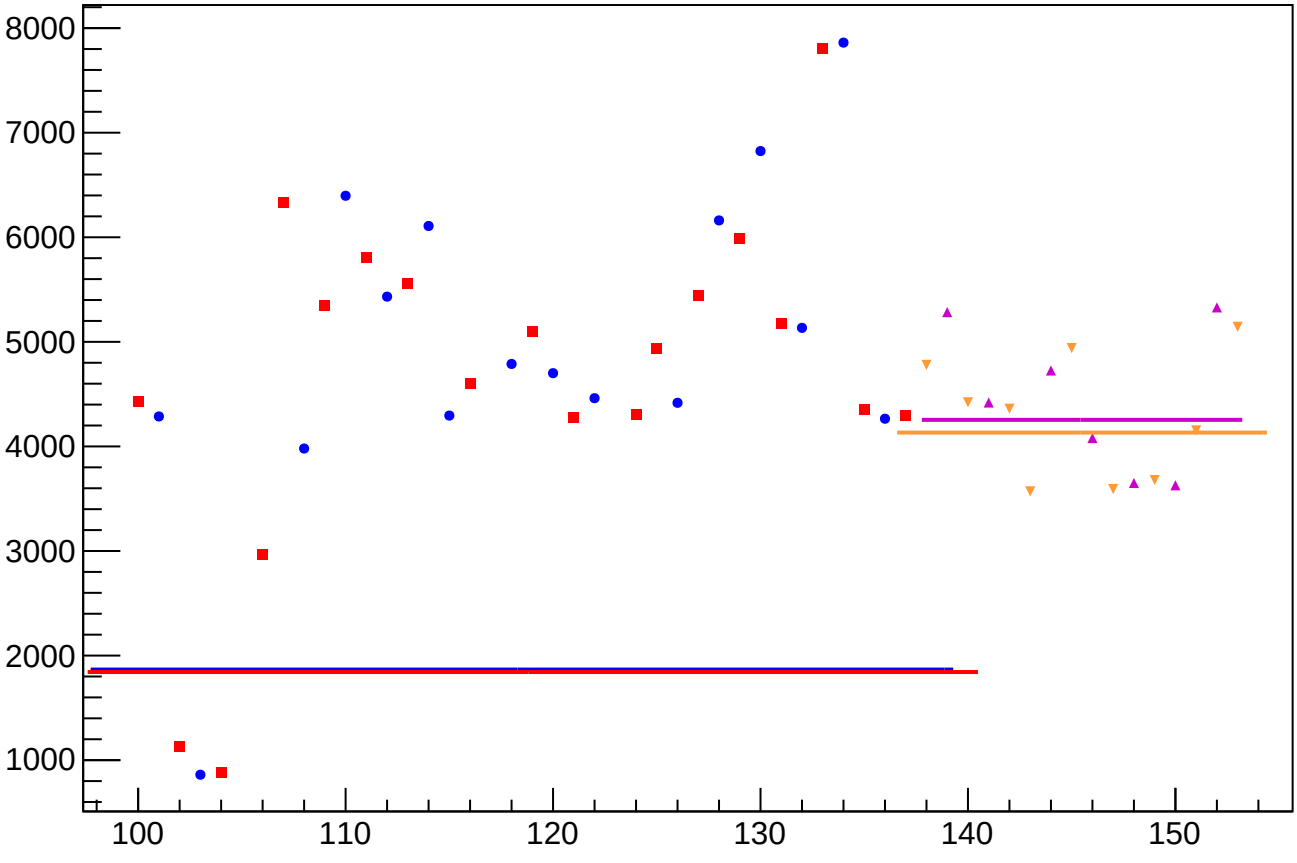
Left In: -939.425+/-1741.058 χ^2/NDF:3.0/6

\+ sign 16.855+/-822.380 χ^2/NDF: 23.6/24

All: 409.450+/-585.122 χ^2/NDF: 42.8/50

\- sign 811.951+/-832.690 χ^2/NDF: 18.7/25

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4132.640+/-1.118 χ^2/NDF:246976.3/8

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

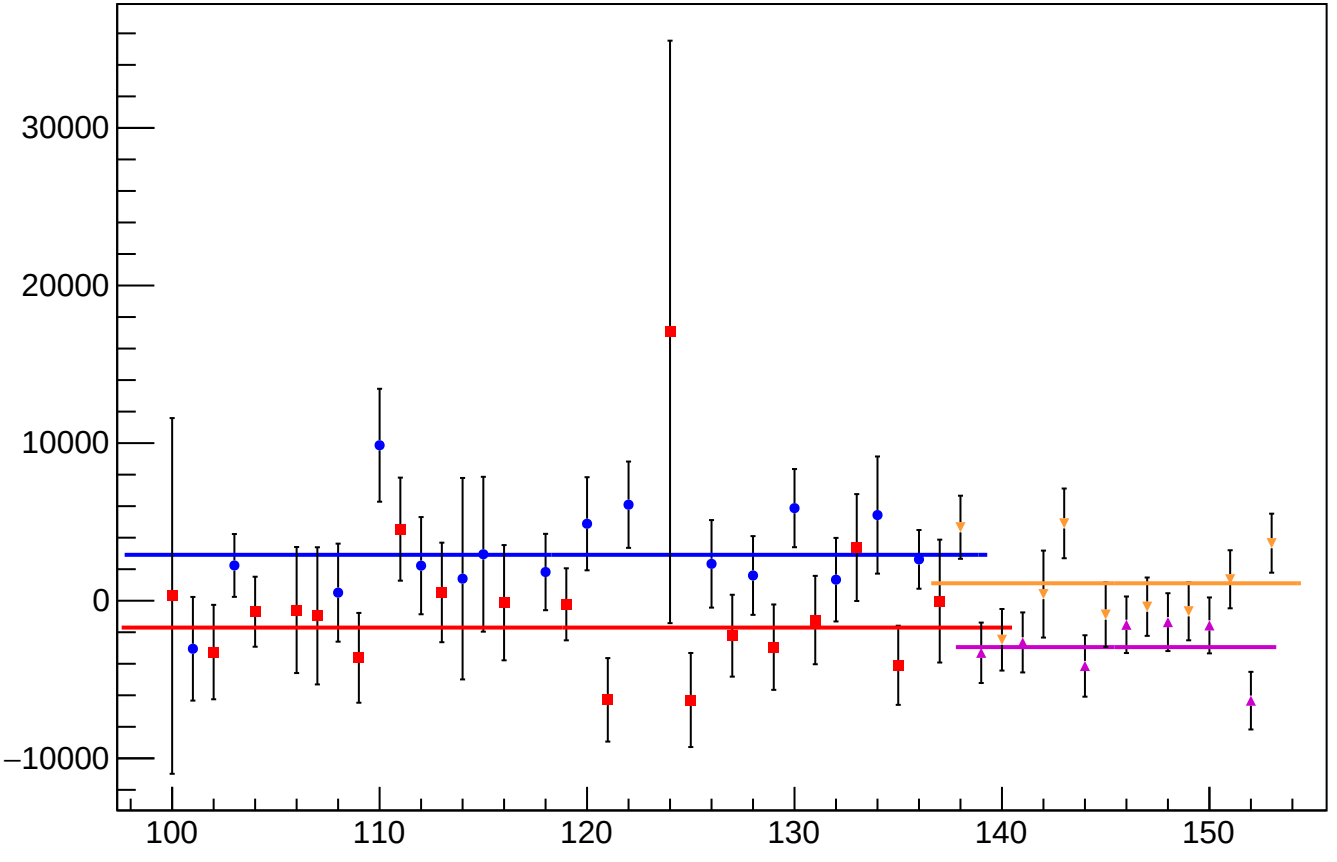
Left In: 4254.327+/-1.231 χ^2/NDF:256790.3/6

+ sign 2479.356+/-0.582 χ^2/NDF: 10094593.0/24

All: 2437.444+/-0.414 χ^2/NDF: 19779458.6/5

- sign 2394.474+/-0.589 χ^2/NDF: 9674344.9/25

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1107.950+/-666.224 χ^2/NDF:13.9/8

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

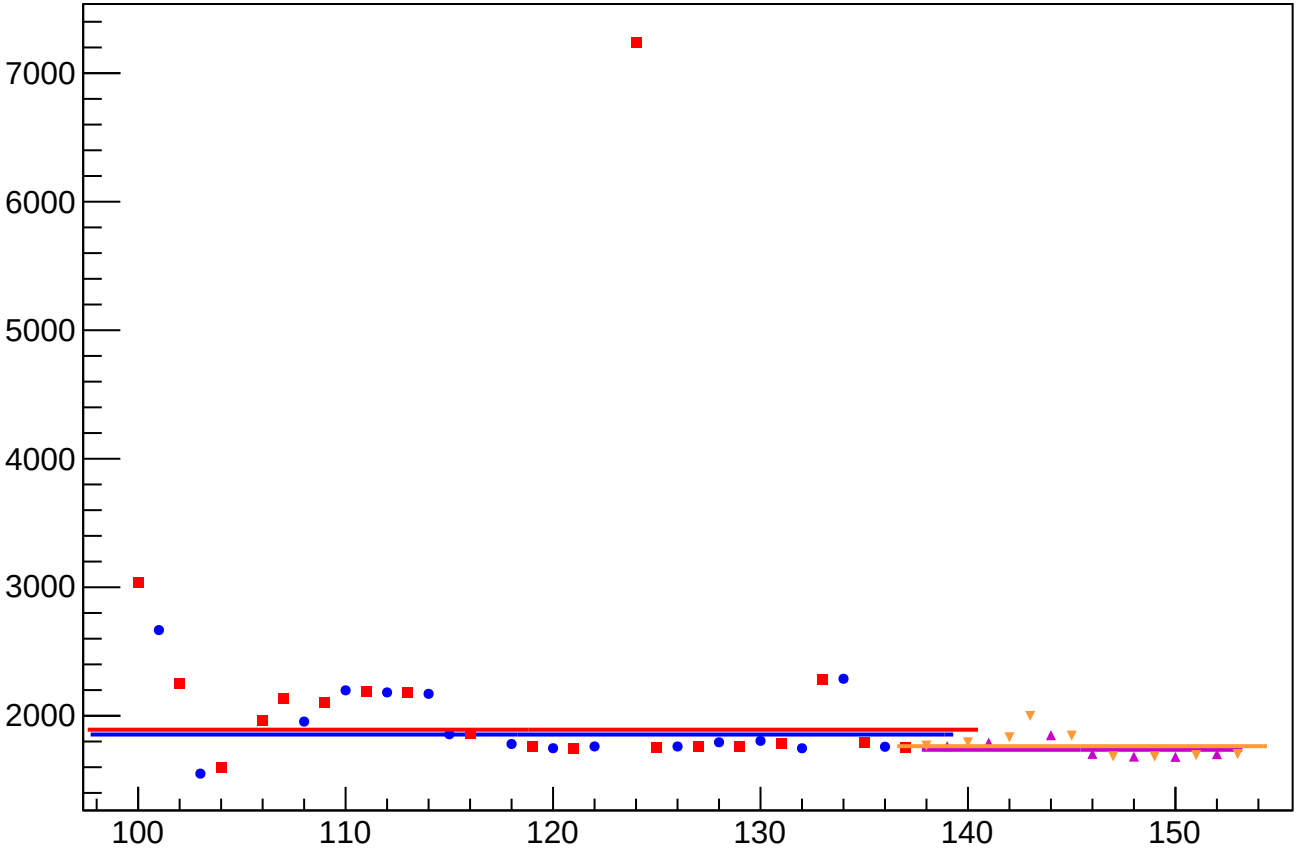
Left In: -2942.831+/-700.877 χ^2/NDF:5.9/6

+ sign 1972.297+/-480.963 χ^2/NDF: 29.9/24

All: -104.575+/-345.855 χ^2/NDF: 91.7/50

- sign -2328.433+/-497.692 χ^2/NDF: 23.2/25

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1763.564+/-0.471 χ^2/NDF:40229.4/8

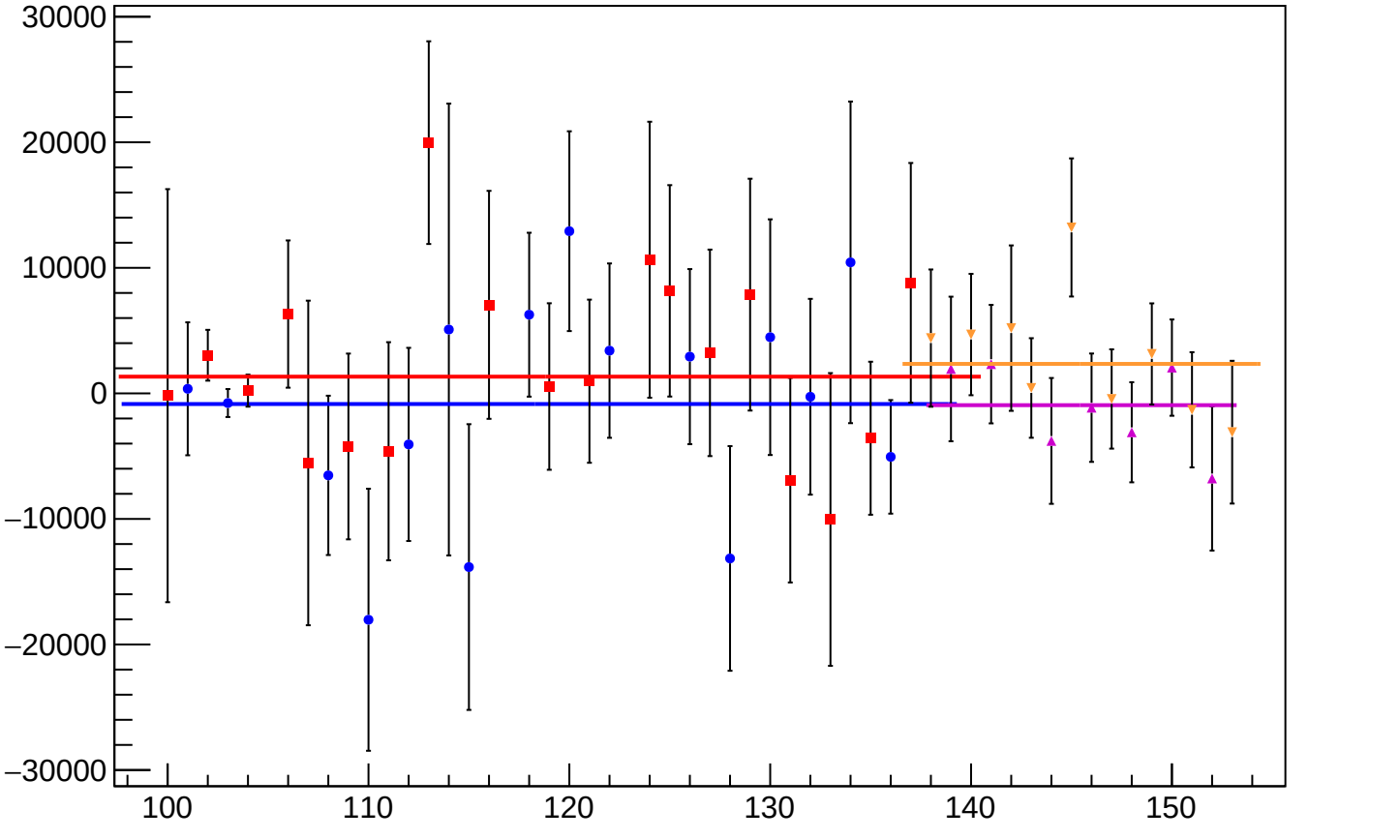
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1735.602+/-0.496 χ^2/NDF:13820.2/6

+ sign 1807.017+/-0.340 χ^2/NDF: 321320.8/24

All: 1810.038+/-0.244 χ^2/NDF: 749026.6/50

- sign 1813.265+/-0.352 χ^2/NDF: 427542.7/25



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2347.664+/-1581.147 χ^2/NDF:6.8/8

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

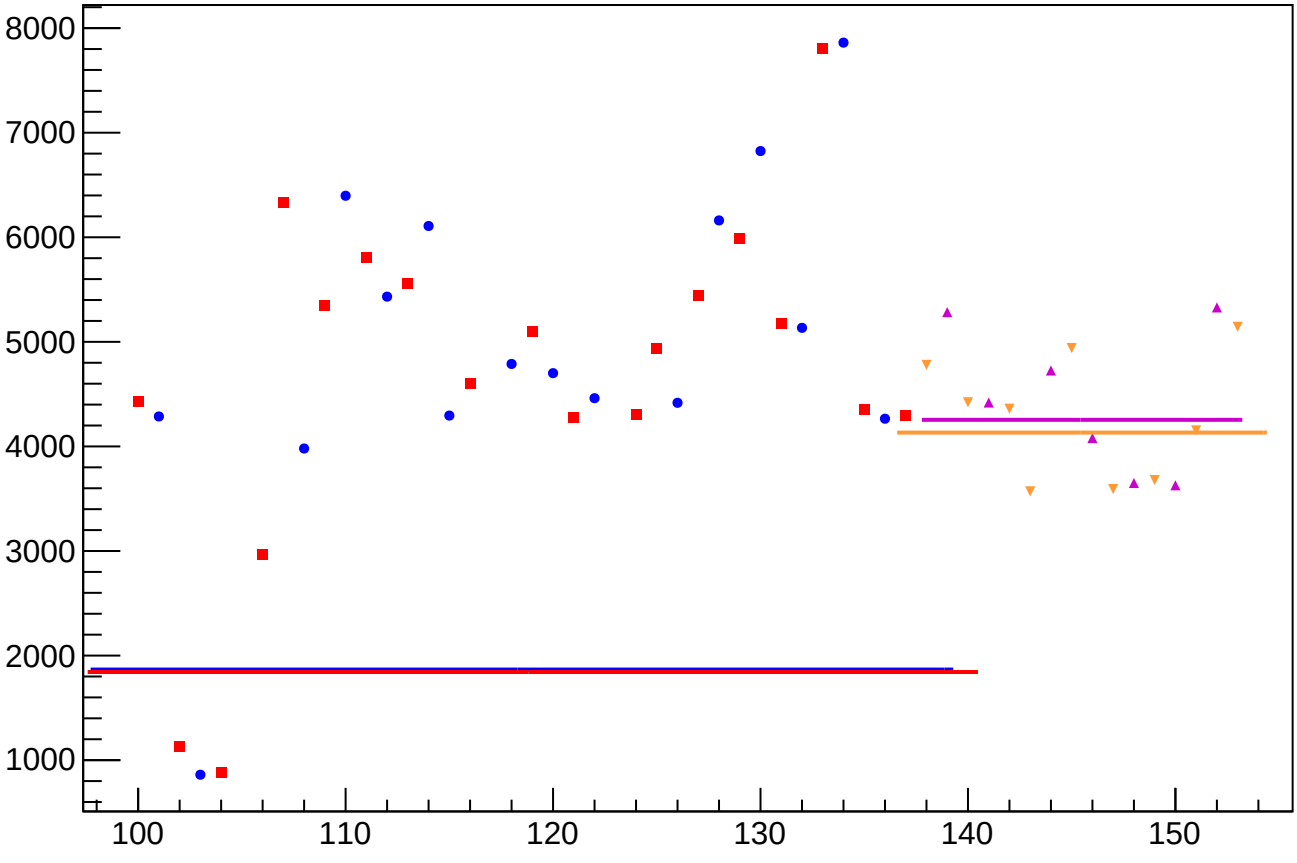
Left In: -939.425+/-1741.058 χ^2/NDF:3.0/6

\+ sign 16.855+/-822.380 χ^2/NDF: 23.6/24

All: 409.450+/-585.122 χ^2/NDF: 42.8/50

\- sign 811.951+/-832.690 χ^2/NDF: 18.7/25

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4132.640+/-1.118 χ^2/NDF:246976.3/8

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

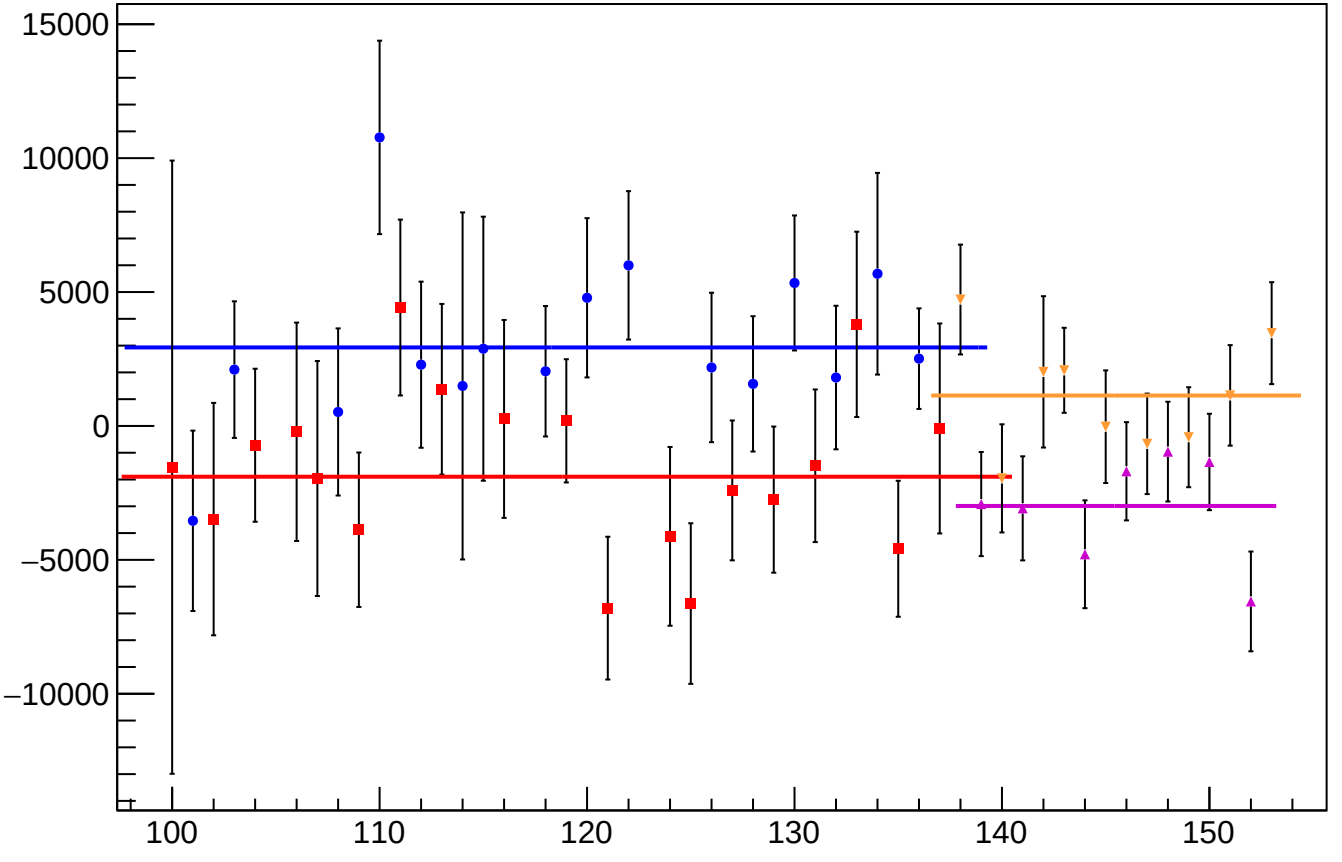
Left In: 4254.327+/-1.231 χ^2/NDF:256790.3/6

+ sign 2479.356+/-0.582 χ^2/NDF: 10094593.0/24

All: 2437.444+/-0.414 χ^2/NDF: 19779458.6/5

- sign 2394.474+/-0.589 χ^2/NDF: 9674344.9/25

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1136.184+/-650.683 χ^2/NDF:9.3/8

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

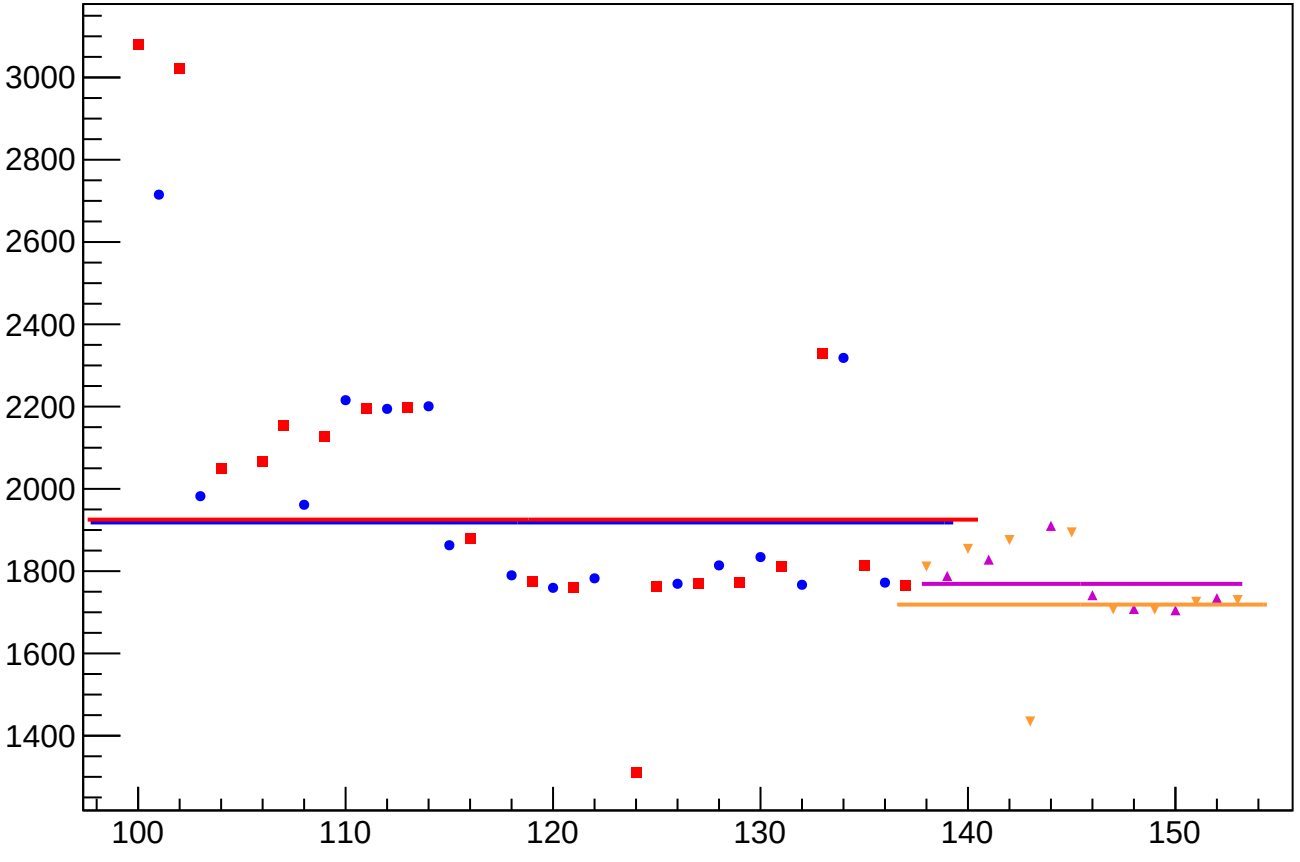
Left In: -2987.282+/-714.538 χ^2/NDF:7.0/6

+ sign 1945.463+/-482.242 χ^2/NDF: 25.7/24

All: -137.222+/-349.701 χ^2/NDF: 90.6/50

- sign -2447.028+/-507.856 χ^2/NDF: 25.5/25

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1718.743+/-0.460 χ^2/NDF:97439.5/8

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

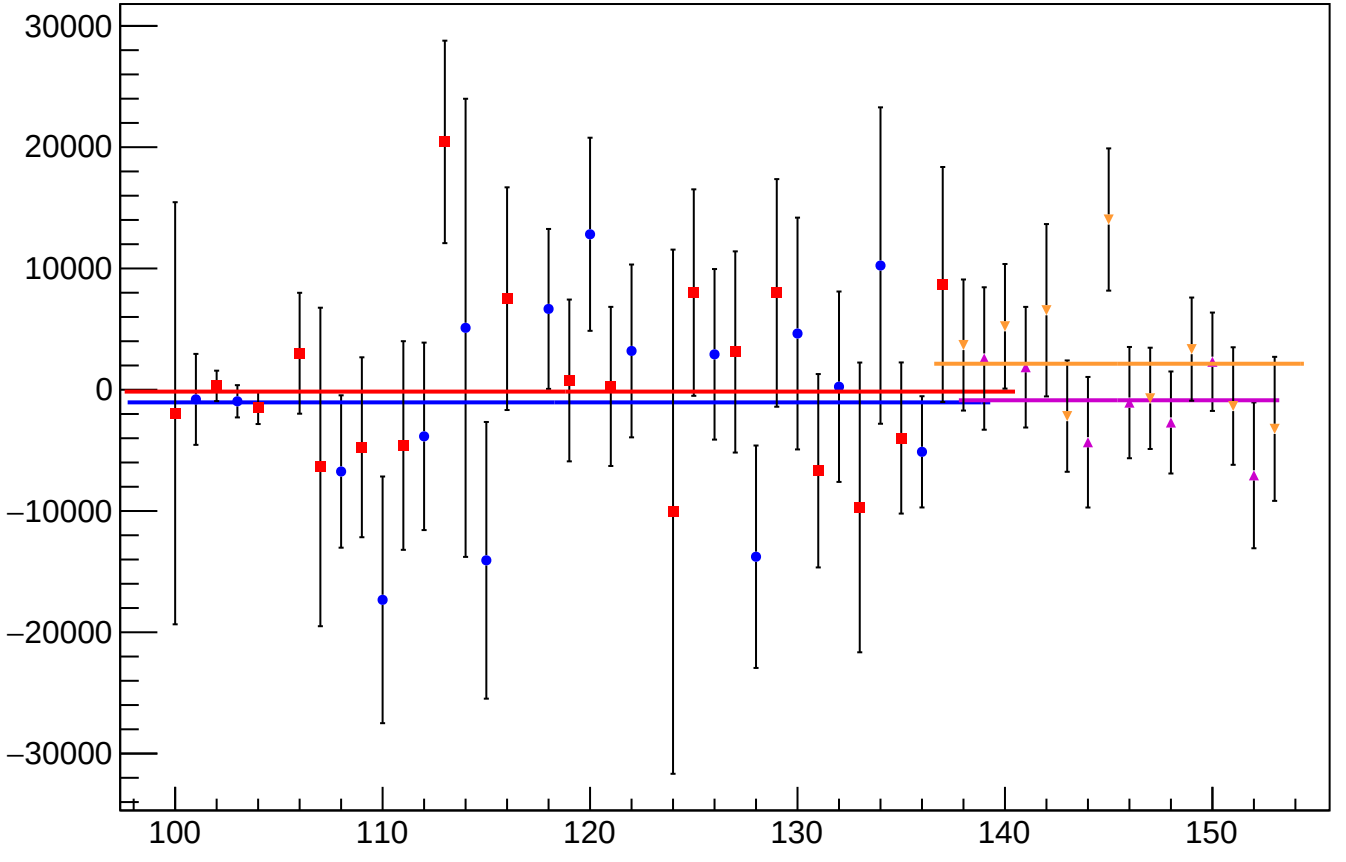
Left In: 1769.071+/-0.505 χ^2/NDF:17674.5/6

+ sign 1808.719+/-0.341 χ^2/NDF: 397877.6/24

All: 1826.604+/-0.247 χ^2/NDF: 807773.1/50

- sign 1846.423+/-0.359 χ^2/NDF: 404096.0/25

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 2144.058+/-1685.551 χ^2/NDF:7.7/8

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

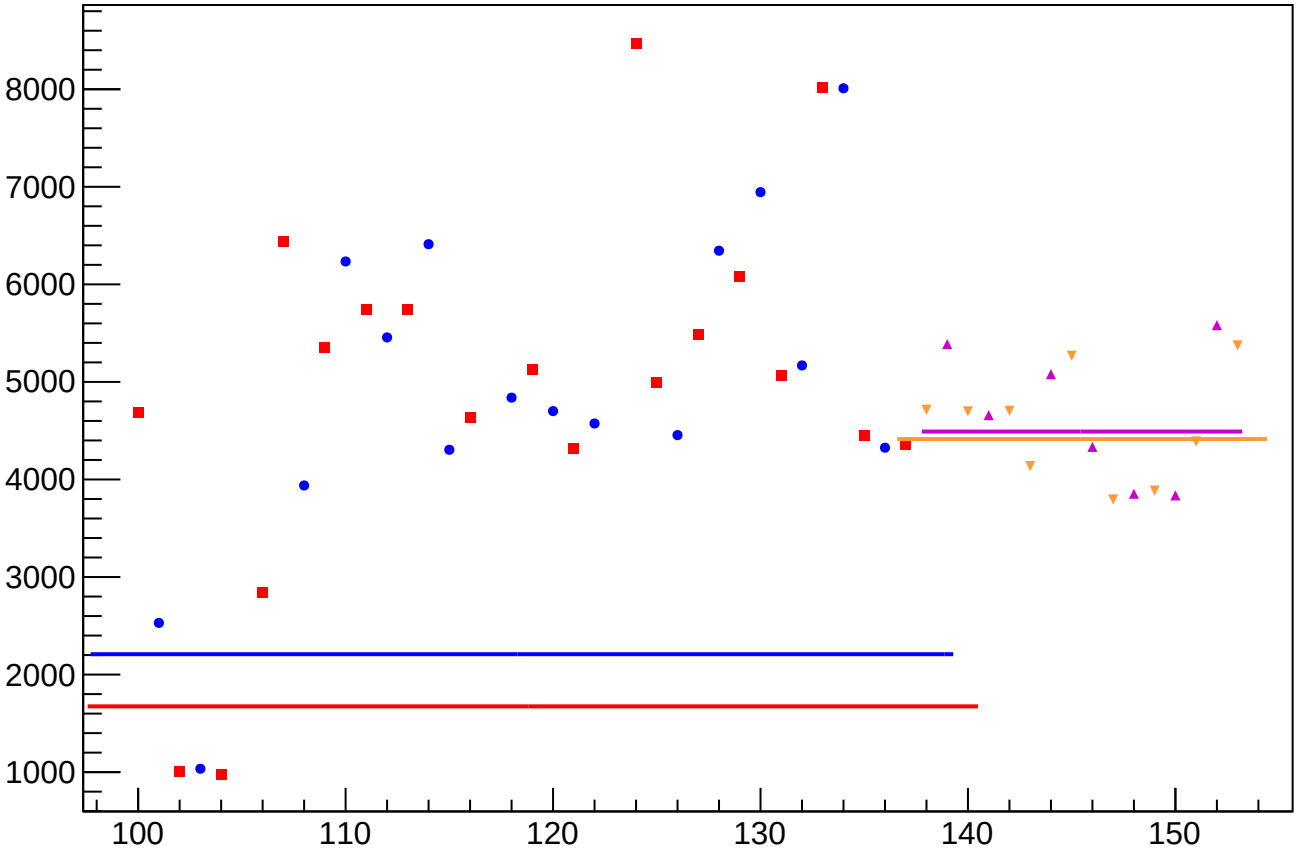
Left In: -868.772+/-1836.779 χ^2/NDF:2.9/6

+ sign -123.865+/-904.801 χ^2/NDF: 24.1/24

All: -213.157+/-582.231 χ^2/NDF: 40.9/50

- sign -276.261+/-760.635 χ^2/NDF: 16.8/25

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4414.247+/-1.192 χ^2/NDF:192560.6/8

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

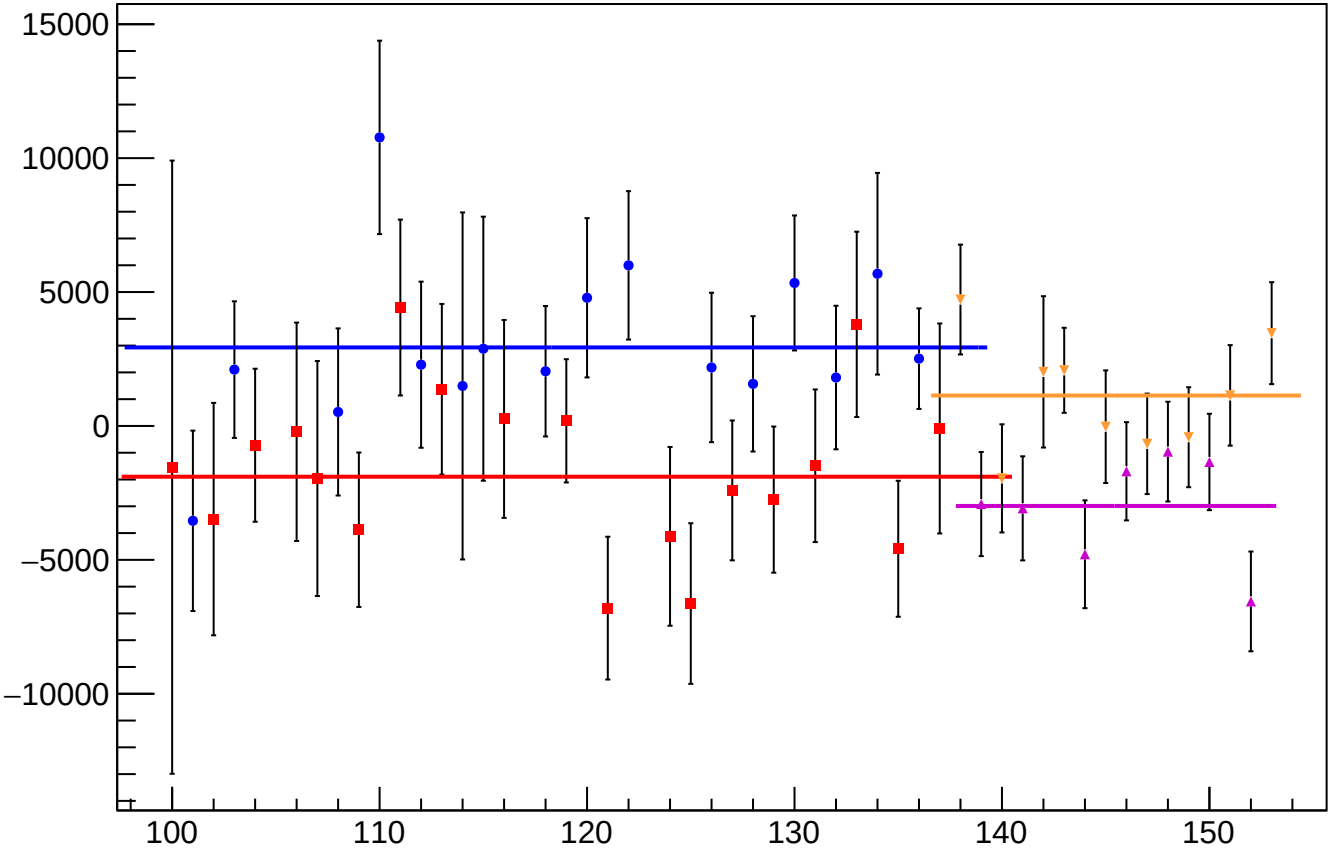
Left In: 4491.273+/-1.299 χ^2/NDF:238902.2/6

+ sign 2844.384+/-0.640 χ^2/NDF: 8128722.4/24

All: 2441.789+/-0.412 χ^2/NDF: 19794463.7/5

- sign 2157.268+/-0.538 χ^2/NDF: 10989935.1/25

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1136.182+/-650.683 χ^2/NDF:9.3/8

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

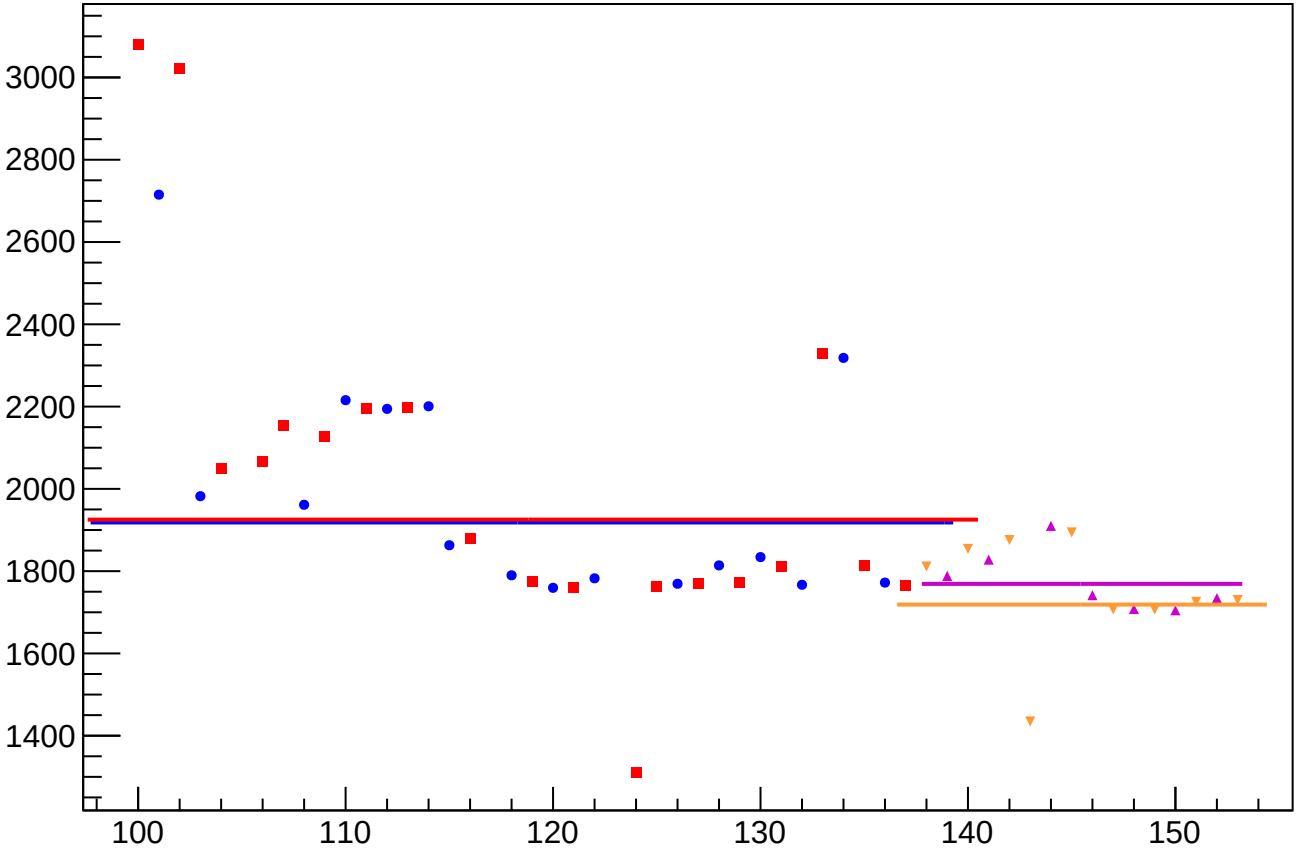
Left In: -2987.278+/-714.538 χ^2/NDF:7.0/6

+ sign 1945.463+/-482.242 χ^2/NDF: 25.7/24

All: -137.222+/-349.701 χ^2/NDF: 90.6/50

- sign -2447.029+/-507.856 χ^2/NDF: 25.5/25

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1718.744+/-0.460 χ^2/NDF:97438.5/8

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

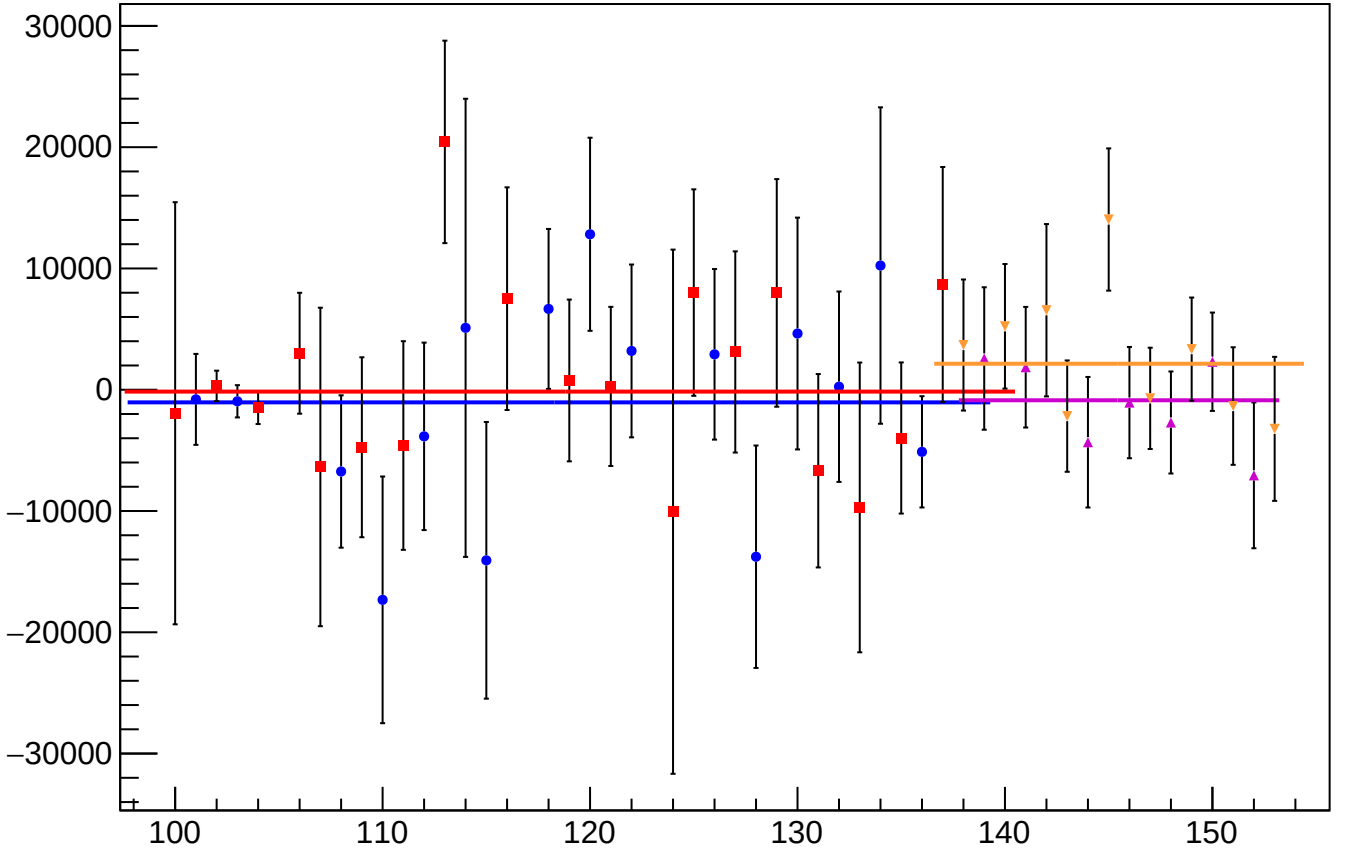
Left In: 1769.072+/-0.505 χ^2/NDF:17674.5/6

+ sign 1808.719+/-0.341 χ^2/NDF: 397875.3/24

All: 1826.604+/-0.247 χ^2/NDF: 807768.9/50

- sign 1846.423+/-0.359 χ^2/NDF: 404094.2/25

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 2144.057+/-1685.554 χ^2/NDF:7.7/8

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

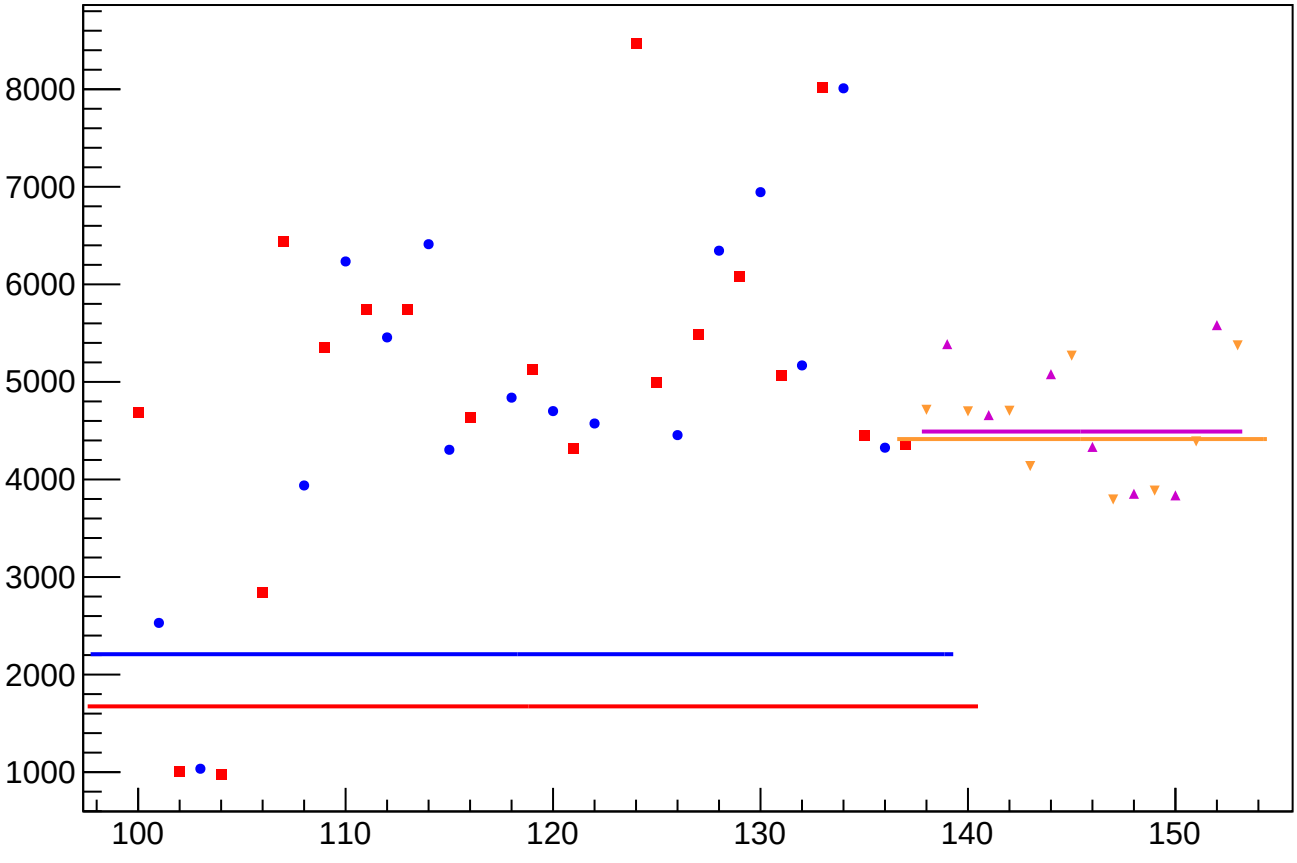
Left In: -868.769+/-1836.782 χ^2/NDF:2.9/6

+ sign -123.867+/-904.800 χ^2/NDF: 24.1/24

All: -213.154+/-582.231 χ^2/NDF: 40.9/50

- sign -276.256+/-760.635 χ^2/NDF: 16.8/25

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4414.253+/-1.192 χ^2/NDF:192559.7/8

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

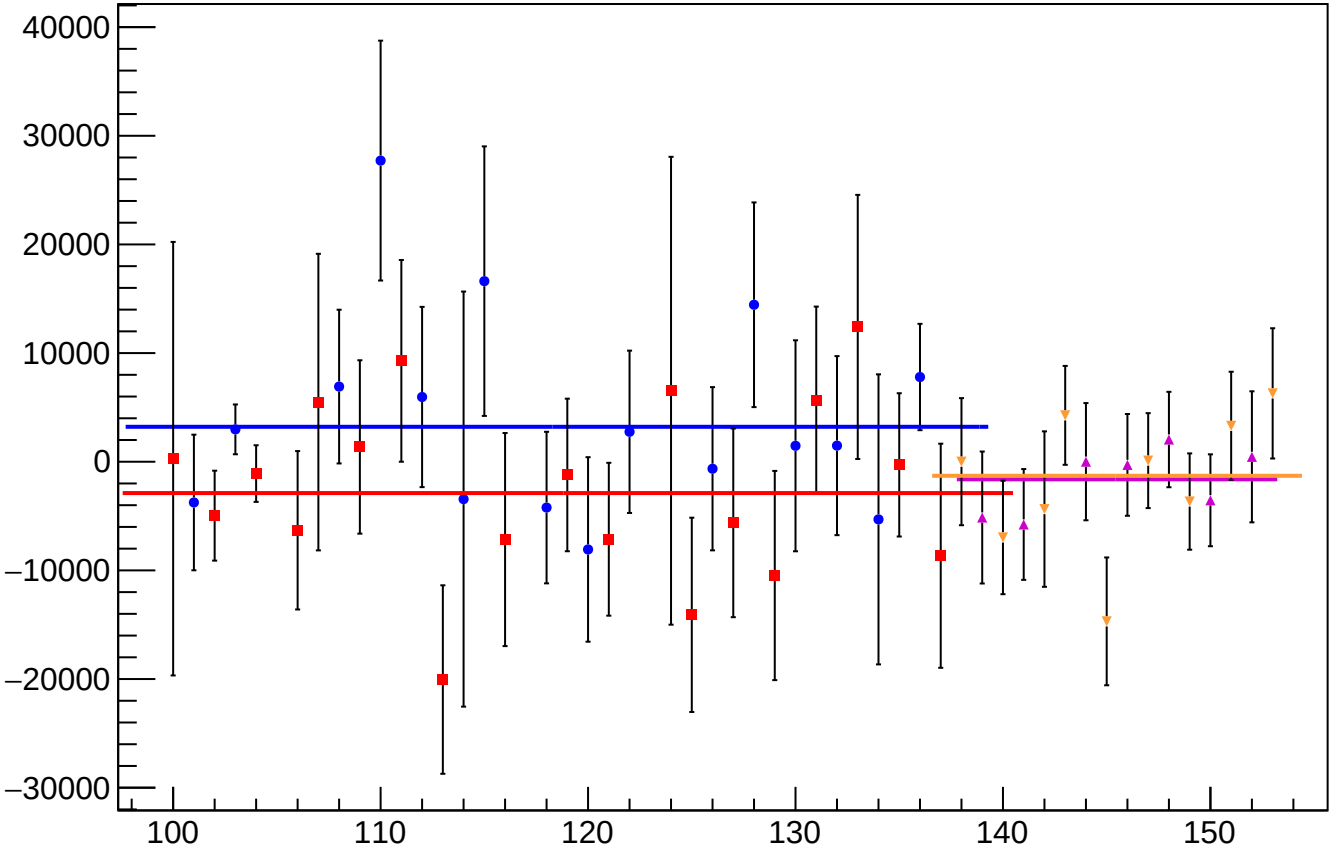
Left In: 4491.279+/-1.299 χ^2/NDF:238900.6/6

+ sign 2844.383+/-0.640 χ^2/NDF: 8128726.5/24

All: 2441.788+/-0.412 χ^2/NDF: 19794468.9/5

- sign 2157.267+/-0.538 χ^2/NDF: 10989935.8/25

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -1292.641+/-1730.093 χ^2/NDF:10.9/8

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

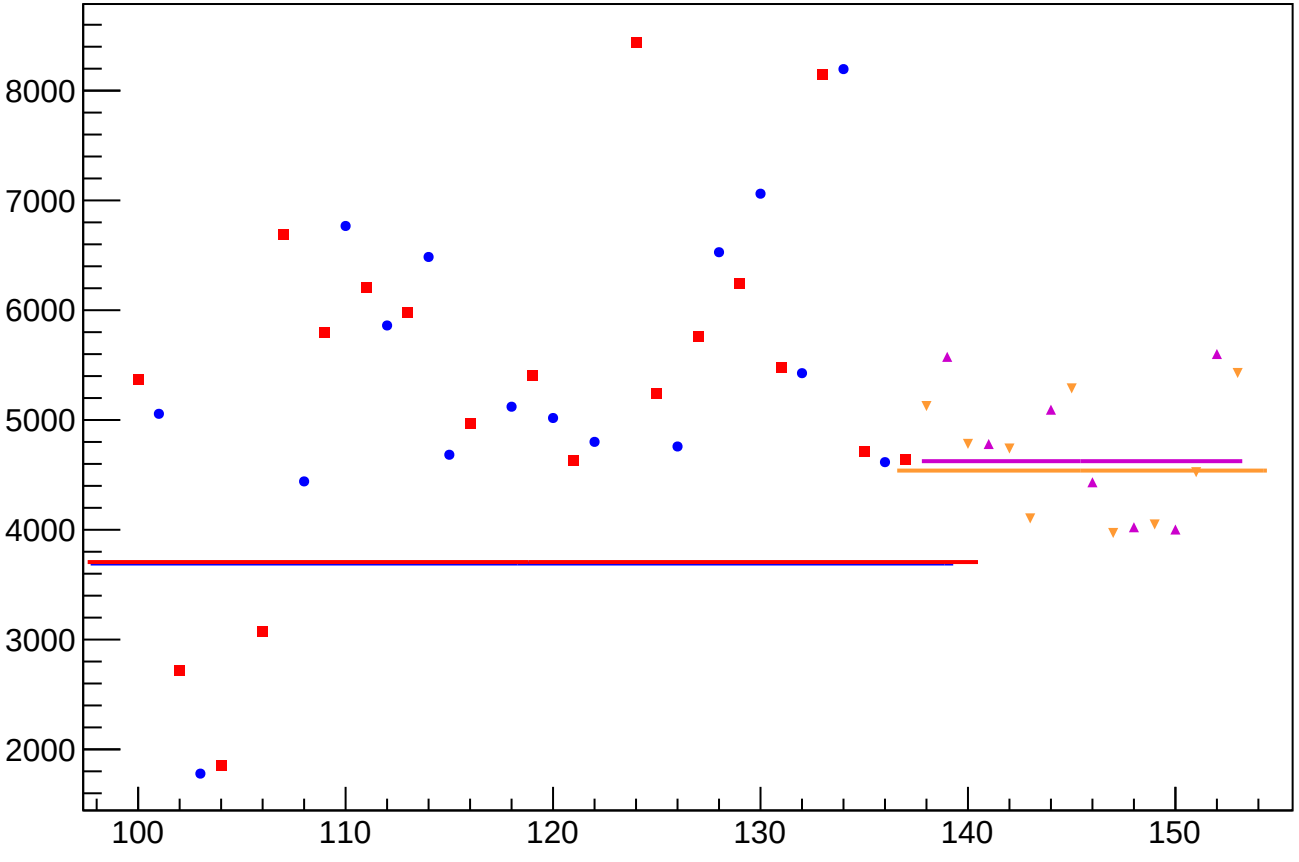
Left In: -1617.433+/-1886.918 χ^2/NDF:2.2/6

+ sign 1223.783+/-1149.996 χ^2/NDF: 28.5/24

All: -499.831+/-829.852 χ^2/NDF: 49.1/50

- sign -2372.511+/-1198.693 χ^2/NDF: 15.9/25

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4539.255+/-1.223 χ^2/NDF:179191.2/8

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

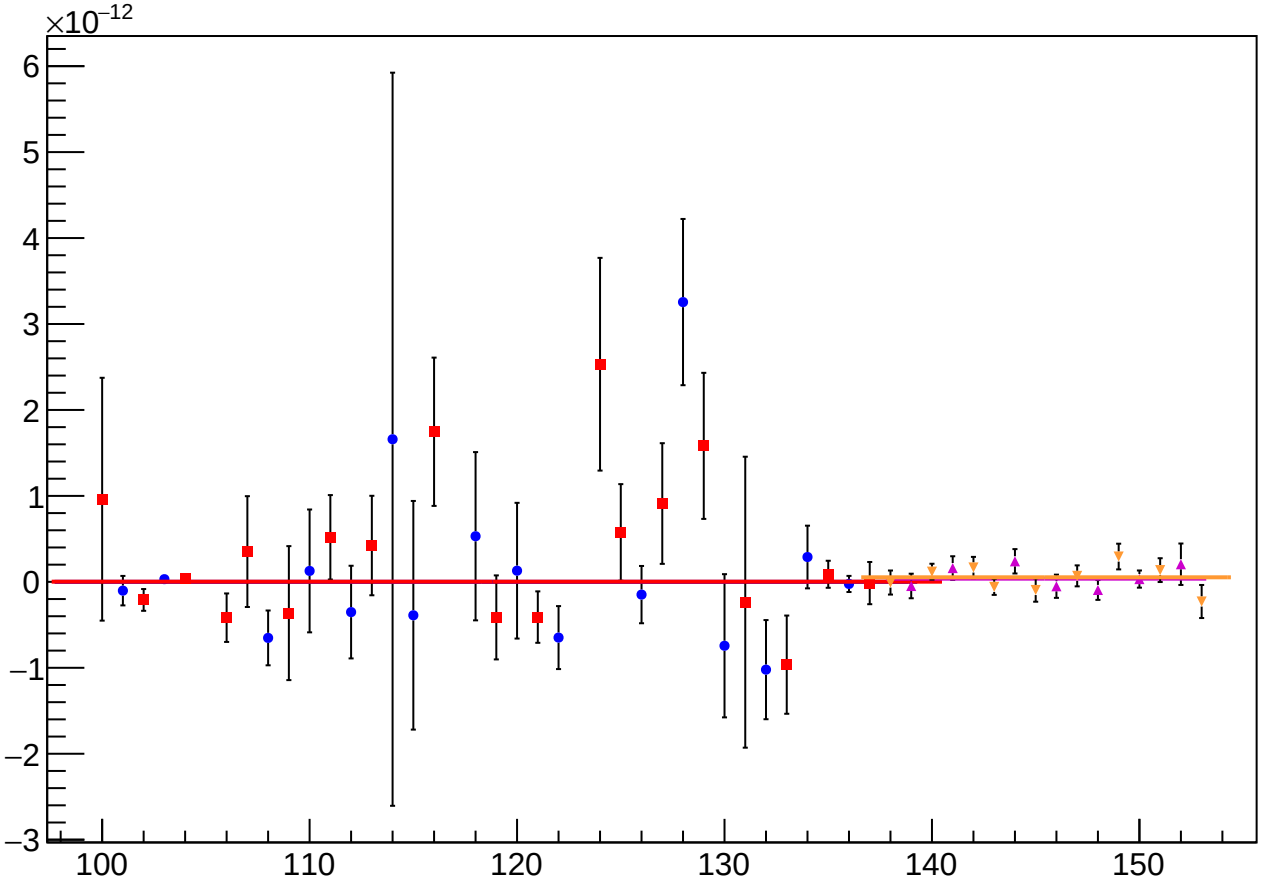
Left In: 4624.946+/-1.334 χ^2/NDF:202662.2/6

+ sign 4066.796+/-0.813 χ^2/NDF: 3332057.9/24

All: 4069.533+/-0.585 χ^2/NDF: 6504431.0/50

- sign 4072.471+/-0.843 χ^2/NDF: 3172349.7/25

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/8

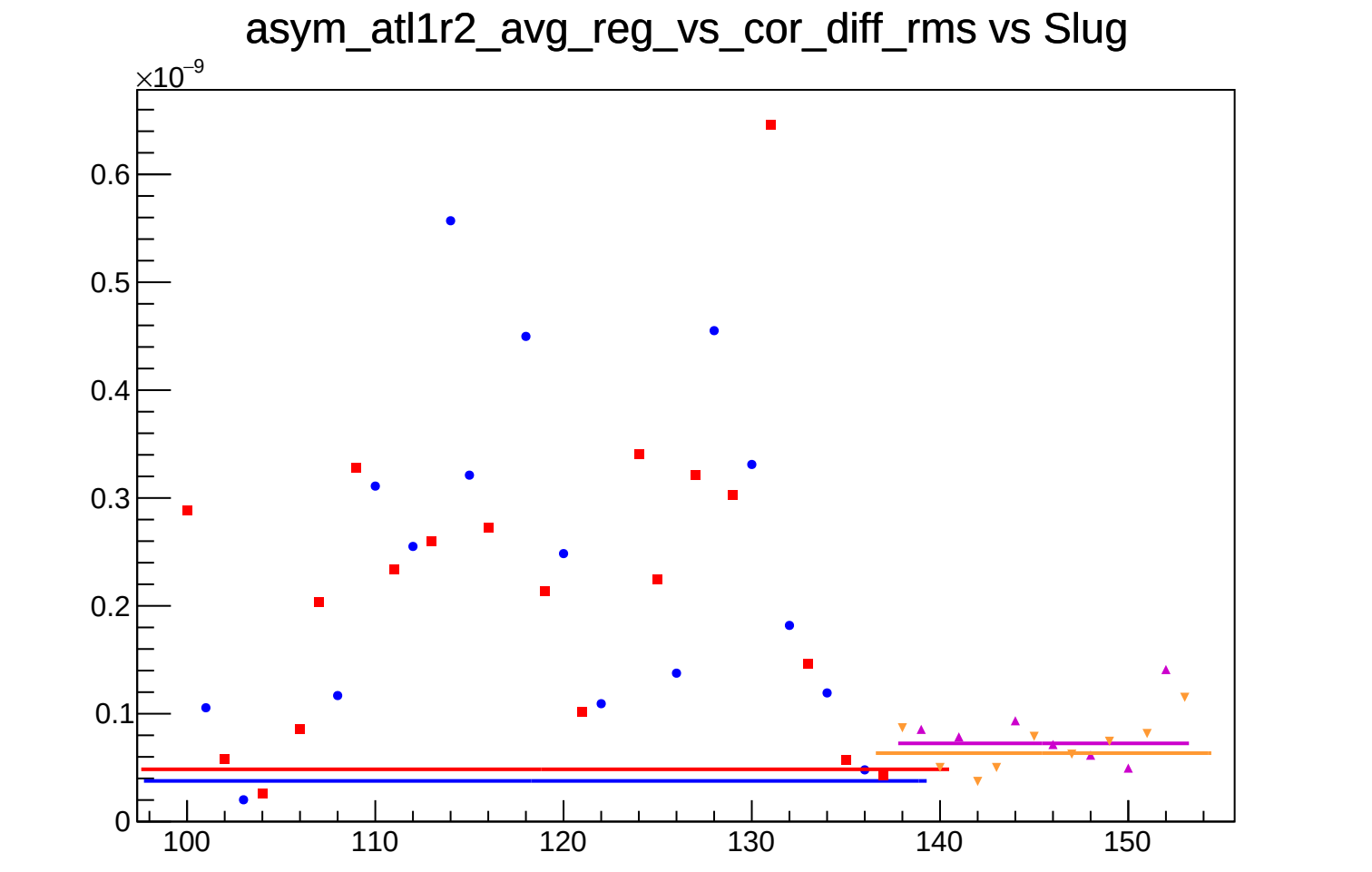
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/6

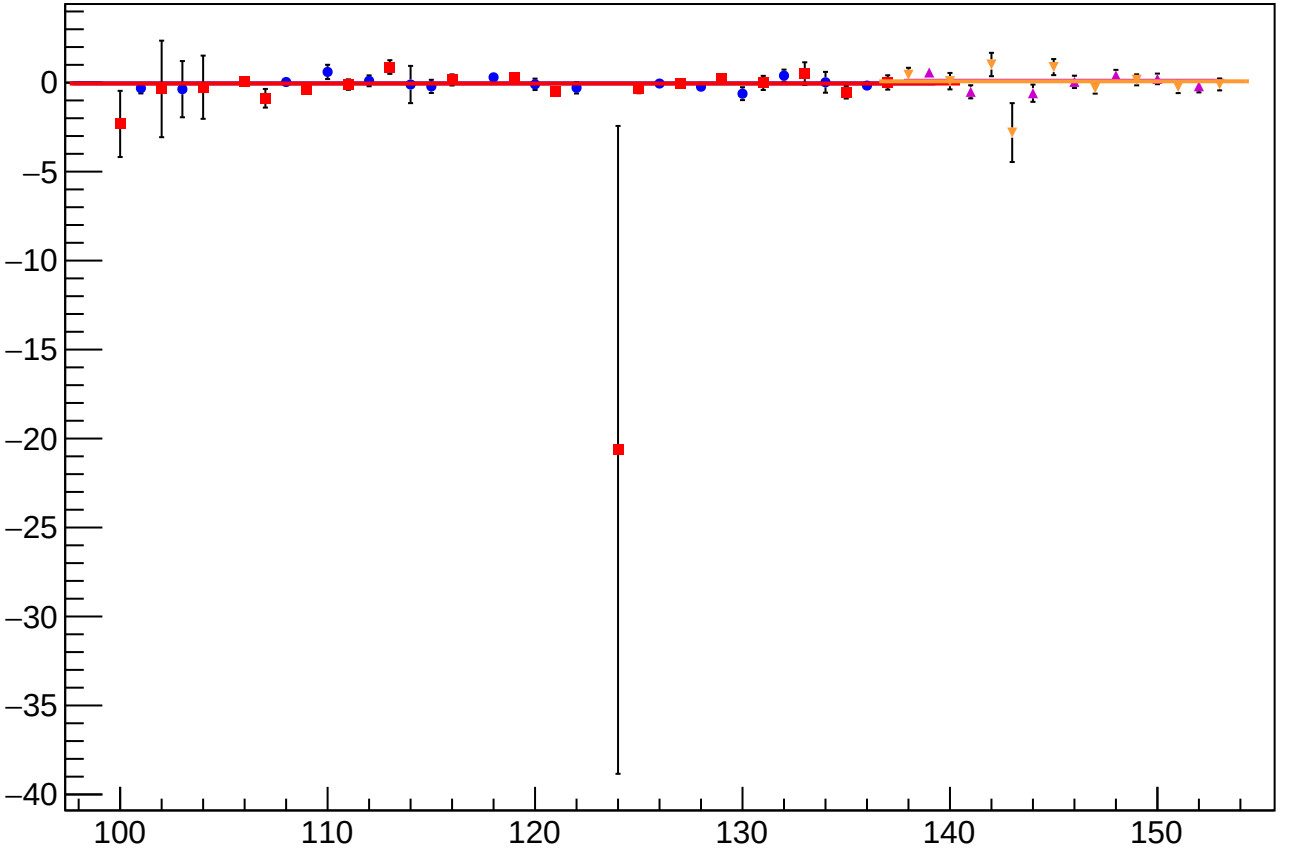
+ sign 0.000+/-0.000 χ^2/NDF: 35.6/24

All: 0.000+/-0.000 χ^2/NDF: 69.5/50

- sign 0.000+/-0.000 χ^2/NDF: 33.9/25


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:445363.4/8
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:349024.2/6
+ sign 0.000+/-0.000 χ²/NDF: 4027751.9/24
All: 0.000+/-0.000 χ²/NDF: 7639352.0/50
- sign 0.000+/-0.000 χ²/NDF: 3500235.2/25

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.075+/-0.132 χ^2/NDF:11.9/8

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

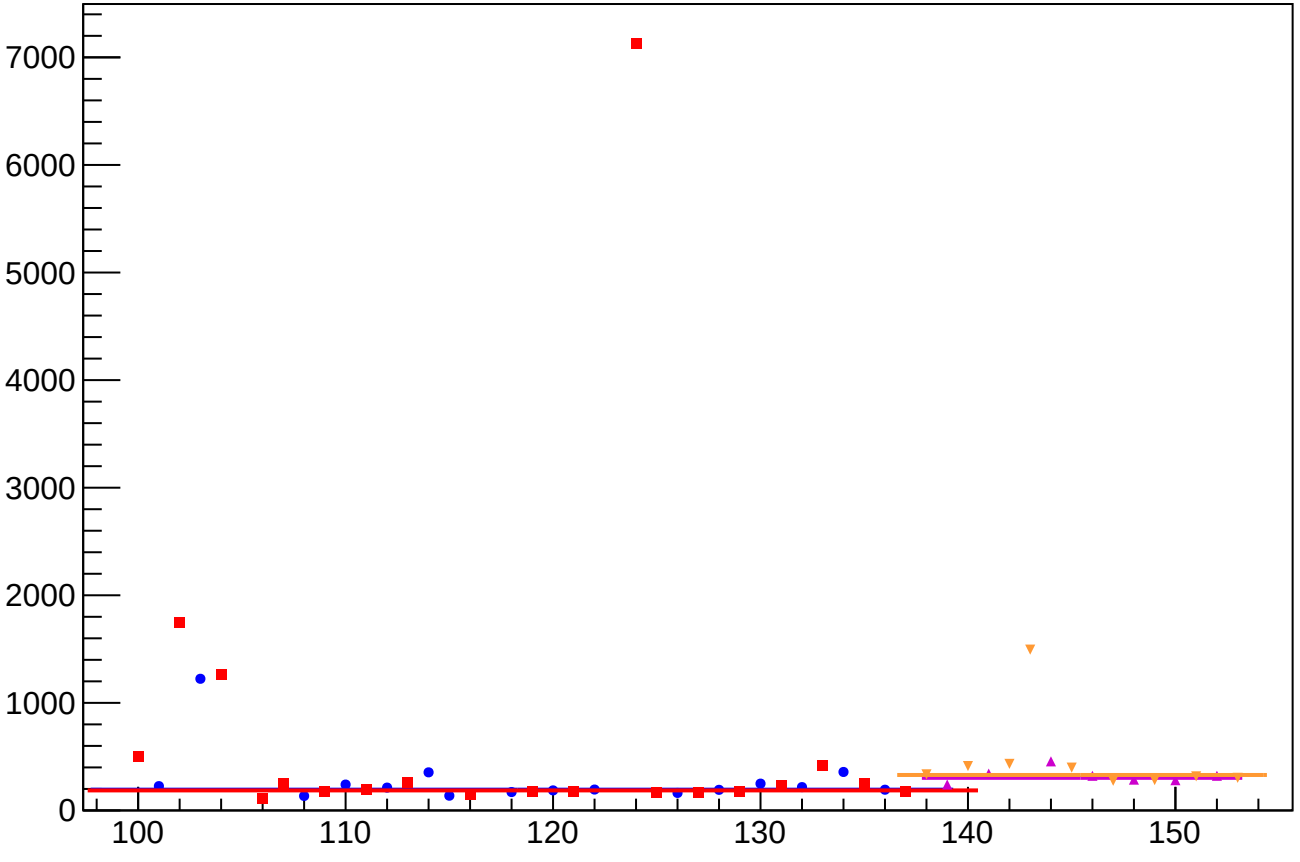
Left In: 0.104+/-0.126 χ^2/NDF:9.7/6

+ sign -0.011+/-0.067 χ^2/NDF: 24.2/24

All: -0.009+/-0.047 χ^2/NDF: 58.0/50

- sign -0.006+/-0.067 χ^2/NDF: 33.7/25

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 329.771+/-0.094 χ^2/NDF:1277691.4/8

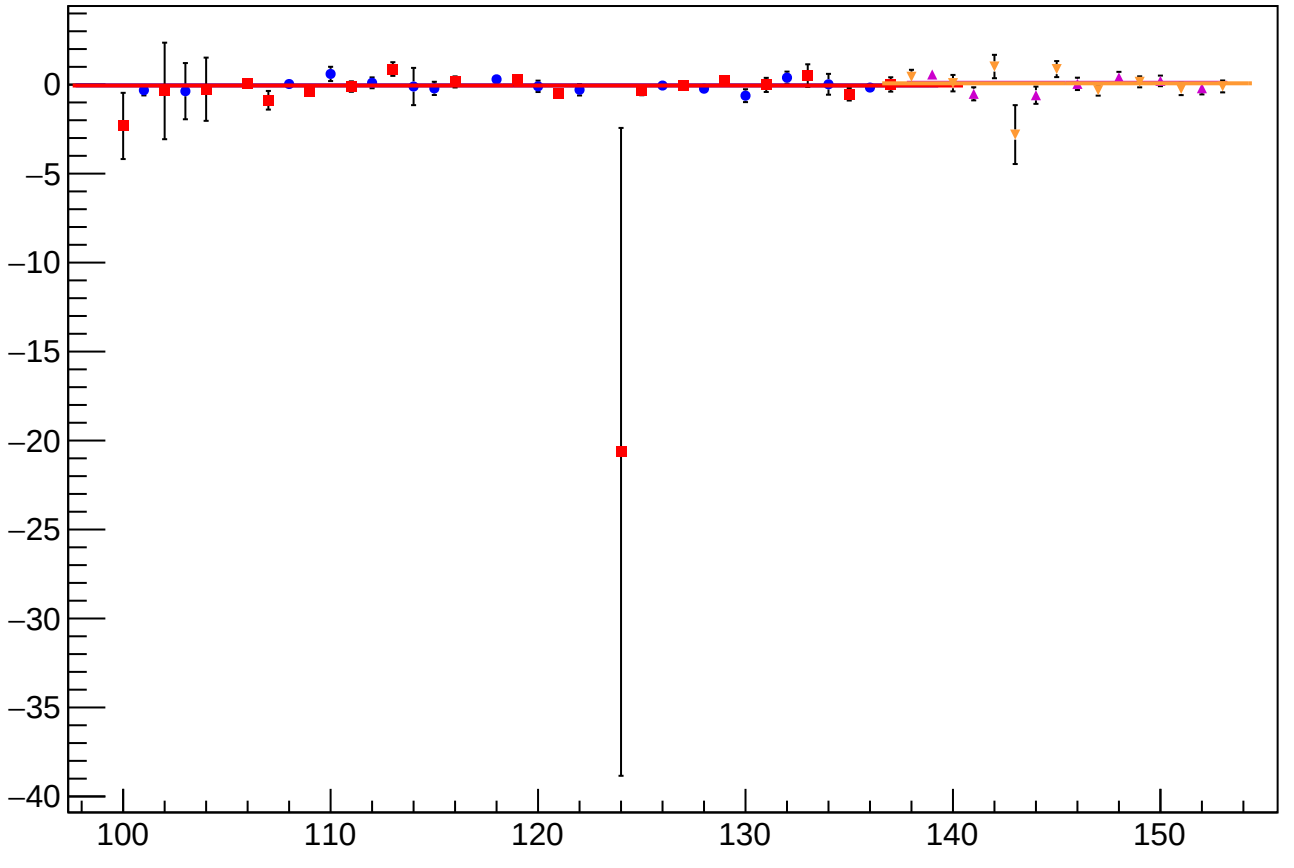
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 303.297+/-0.089 χ^2/NDF:354898.7/6

+ sign 228.324+/-0.047 χ^2/NDF: 4270197.6/24

All: 223.776+/-0.033 χ^2/NDF: 8361012.6/50

- sign 219.258+/-0.047 χ^2/NDF: 4072460.1/25



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.075+/-0.132 χ^2/NDF:11.9/8

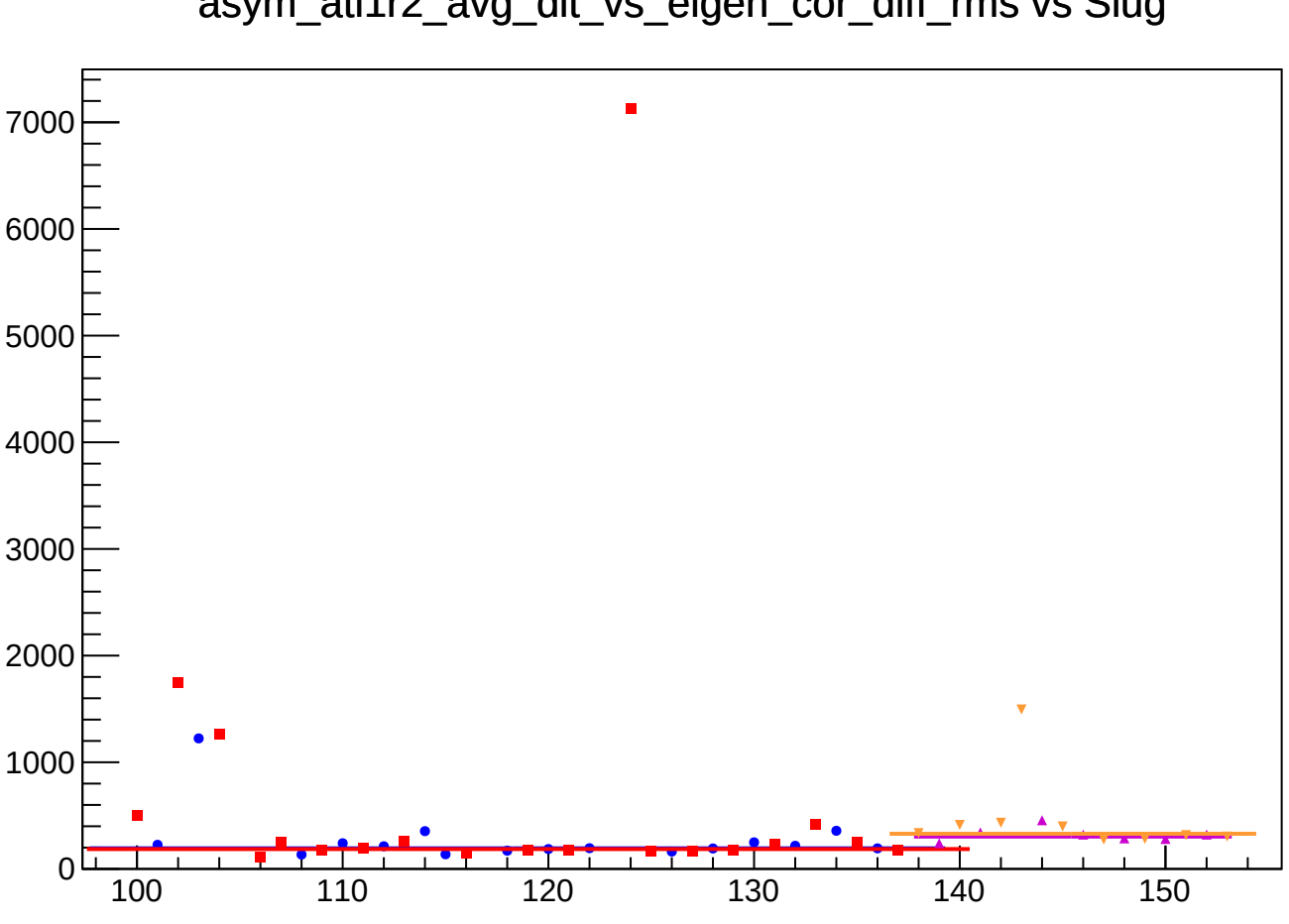
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.104+/-0.126 χ^2/NDF:9.7/6

+ sign -0.011+/-0.067 χ^2/NDF: 24.2/24

All: -0.009+/-0.047 χ^2/NDF: 58.0/50

- sign -0.006+/-0.067 χ^2/NDF: 33.7/25



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 329.771+/-0.094 χ^2/NDF:1277691.4/8

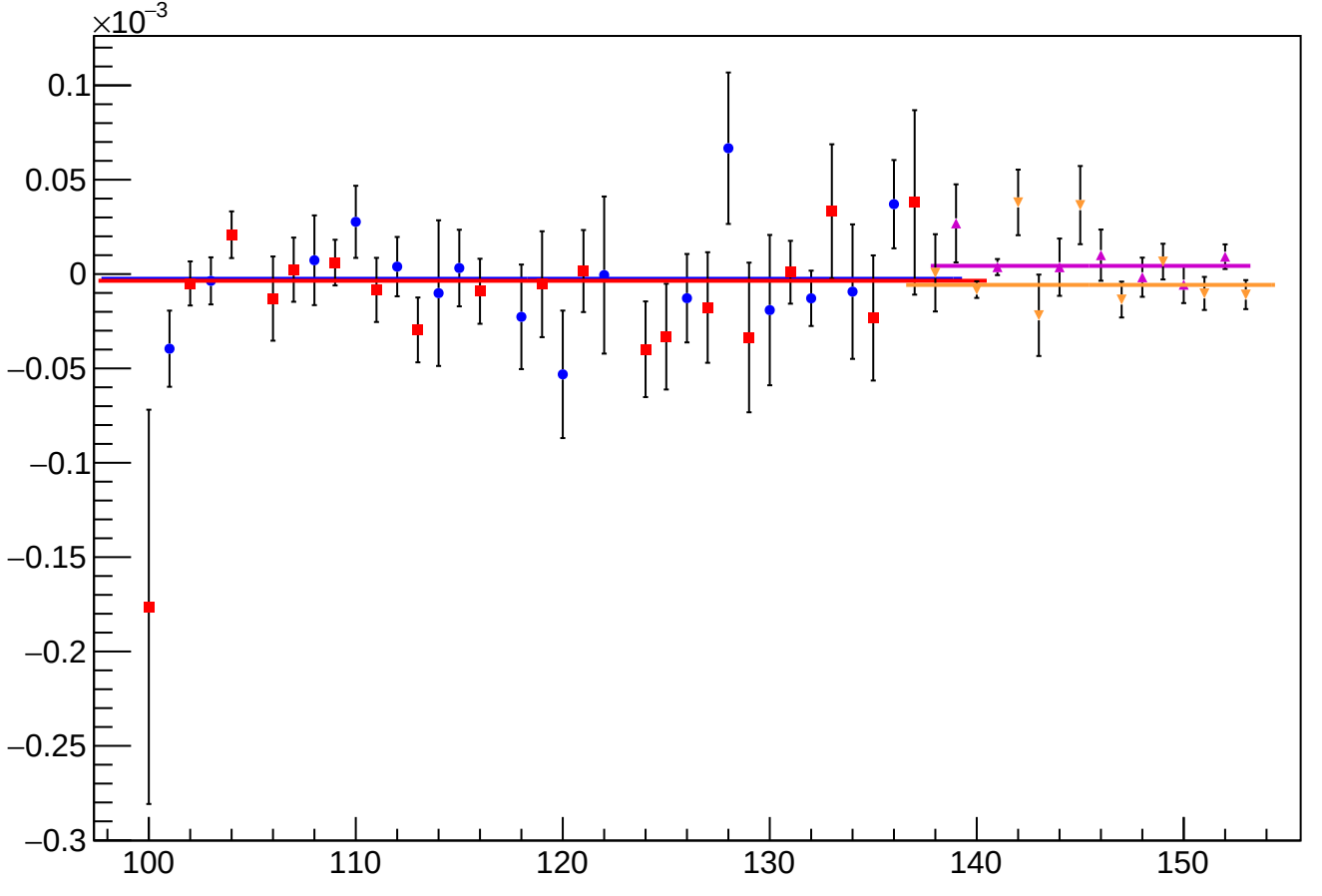
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 303.297+/-0.089 χ^2/NDF:354898.7/6

+ sign 228.324+/-0.047 χ^2/NDF: 4270197.6/24

All: 223.776+/-0.033 χ^2/NDF: 8361012.6/50

- sign 219.258+/-0.047 χ^2/NDF: 4072460.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/8

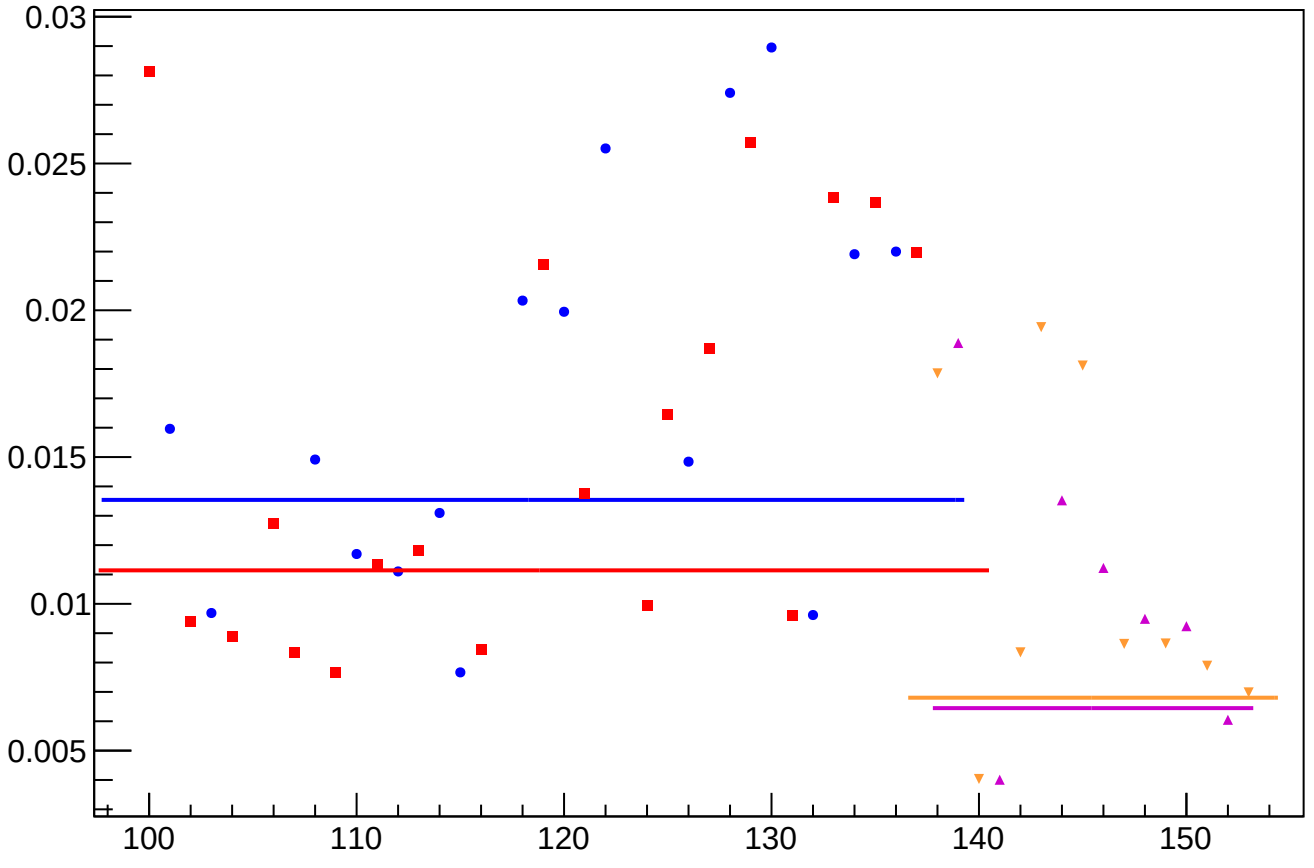
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 30.7/24

All: -0.000+/-0.000 χ^2/NDF: 56.1/50

- sign 0.000+/-0.000 χ^2/NDF: 21.8/25



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:2855041.5/8

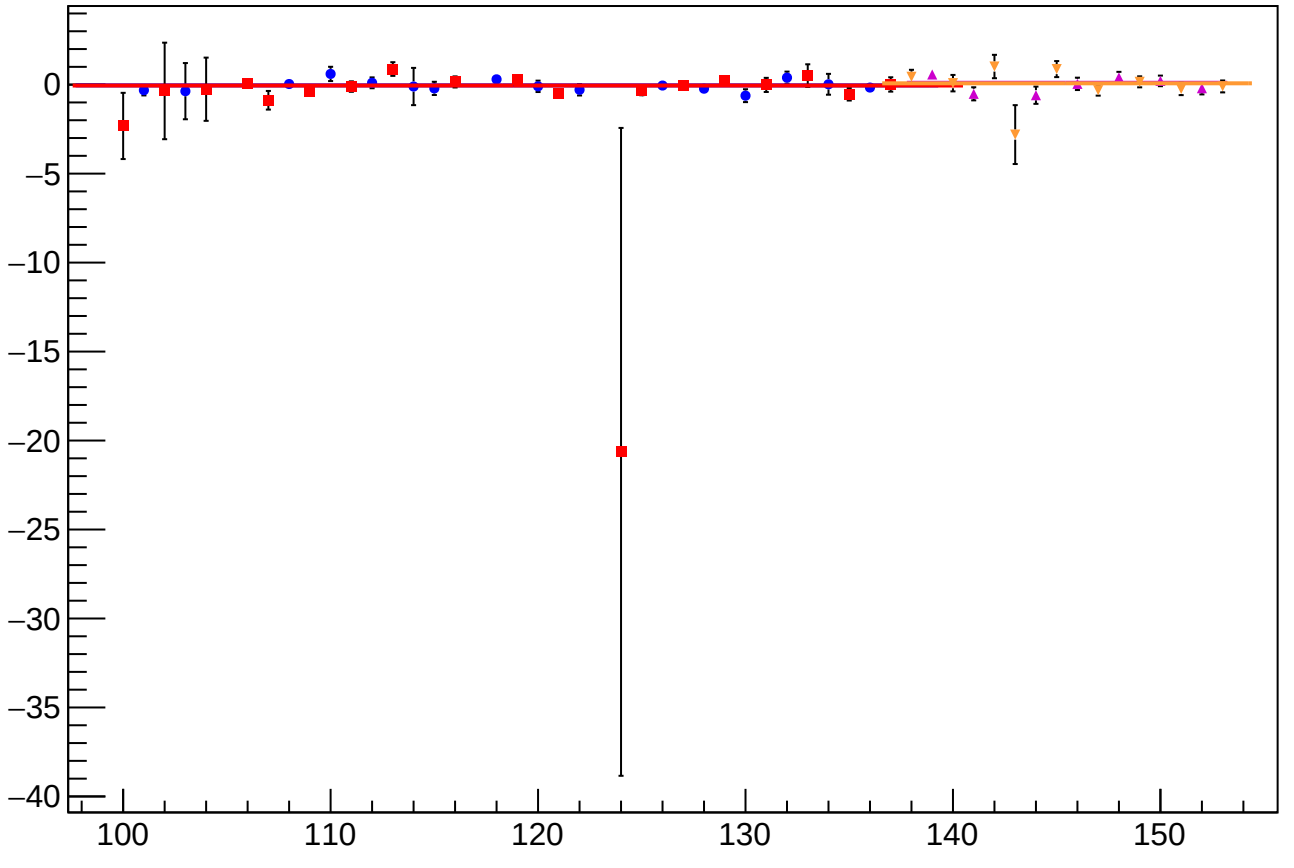
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.006+/-0.000 χ^2/NDF:2402786.5/6

+ sign 0.008+/-0.000 χ^2/NDF: 7091319.4/24

All: 0.008+/-0.000 χ^2/NDF: 12928957.7/50

- sign 0.008+/-0.000 χ^2/NDF: 5810218.1/25



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.075+/-0.132 χ^2/NDF:11.9/8

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

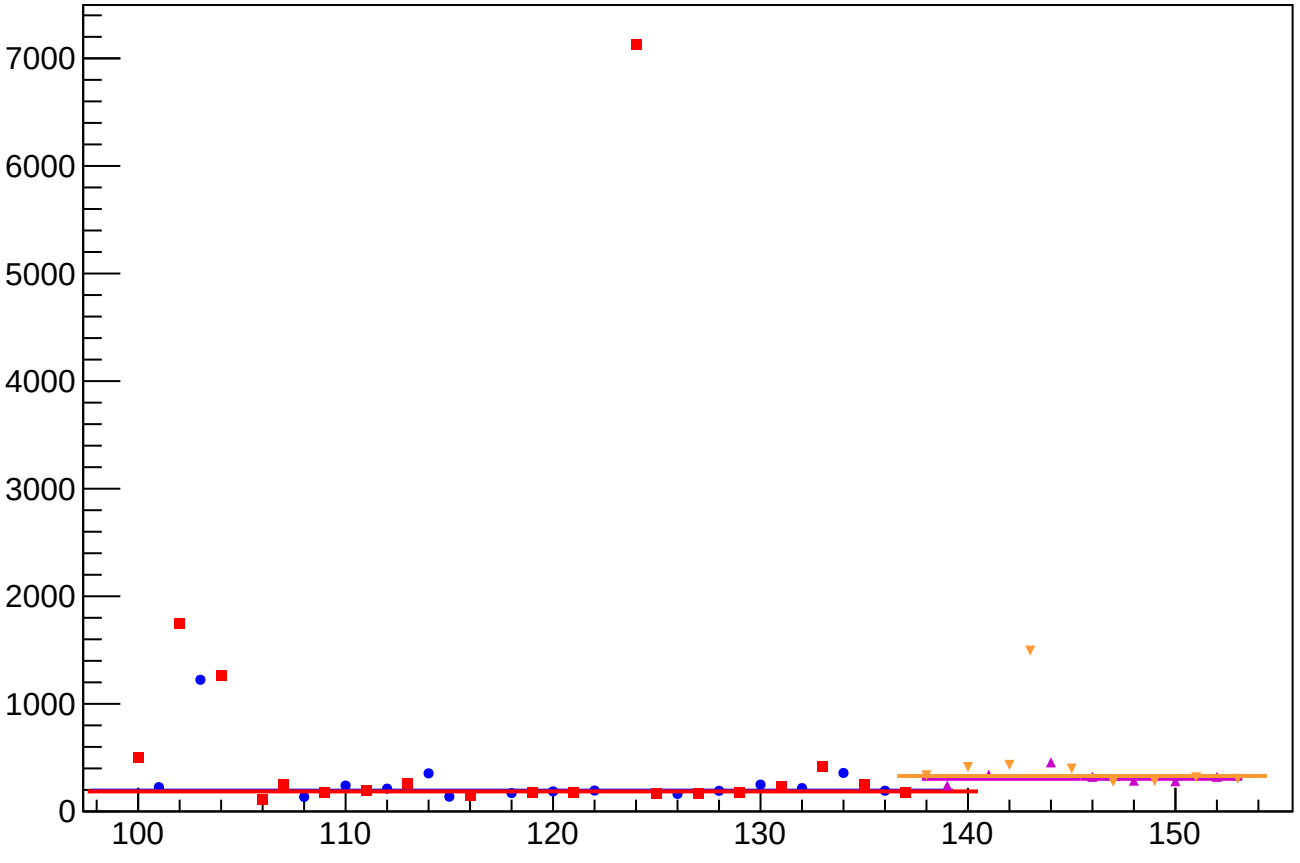
Left In: 0.104+/-0.126 χ^2/NDF:9.7/6

+ sign -0.011+/-0.067 χ^2/NDF: 24.2/24

All: -0.009+/-0.047 χ^2/NDF: 58.0/50

- sign -0.006+/-0.067 χ^2/NDF: 33.7/25

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 329.775+/-0.094 χ^2/NDF:1277665.4/8

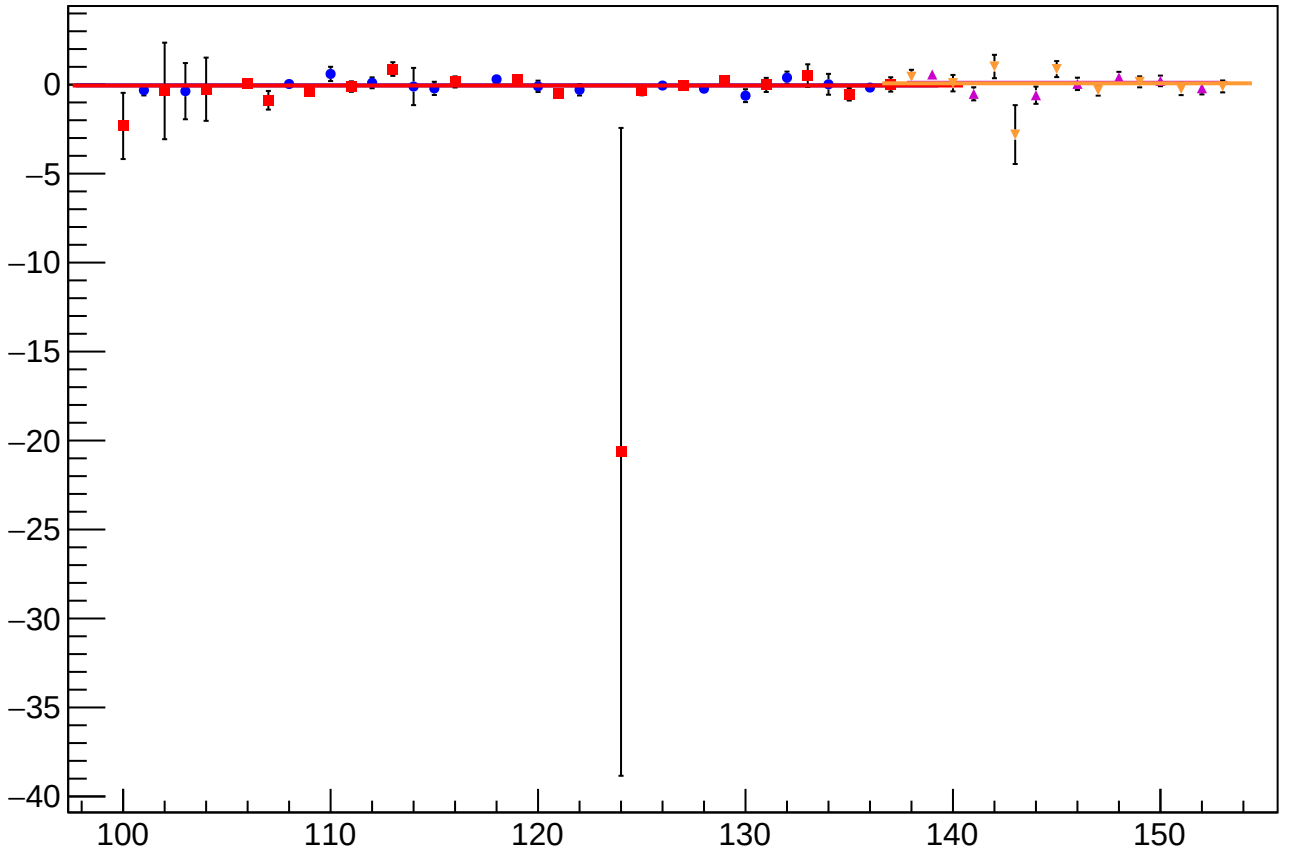
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 303.301+/-0.089 χ^2/NDF:354877.6/6

+ sign 228.323+/-0.047 χ^2/NDF: 4270268.6/24

All: 223.774+/-0.033 χ^2/NDF: 8361215.8/50

- sign 219.257+/-0.047 χ^2/NDF: 4072590.5/25



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.075+/-0.132 χ^2/NDF:11.9/8

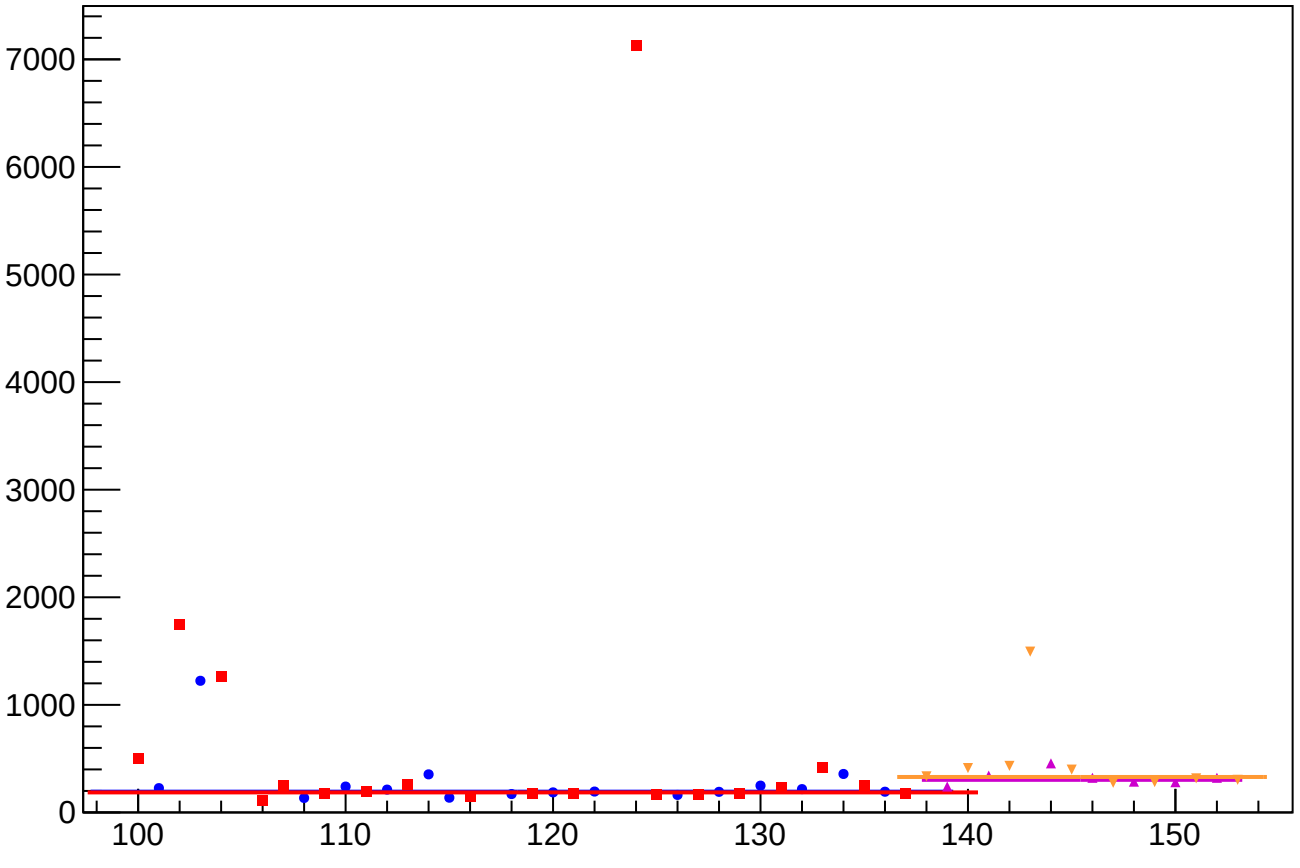
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.104+/-0.126 χ^2/NDF:9.7/6

\+ sign -0.011+/-0.067 χ^2/NDF: 24.2/24

All: -0.009+/-0.047 χ^2/NDF: 58.0/50

\- sign -0.006+/-0.067 χ^2/NDF: 33.7/25



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 329.775+/-0.094 χ^2/NDF:1277665.4/8

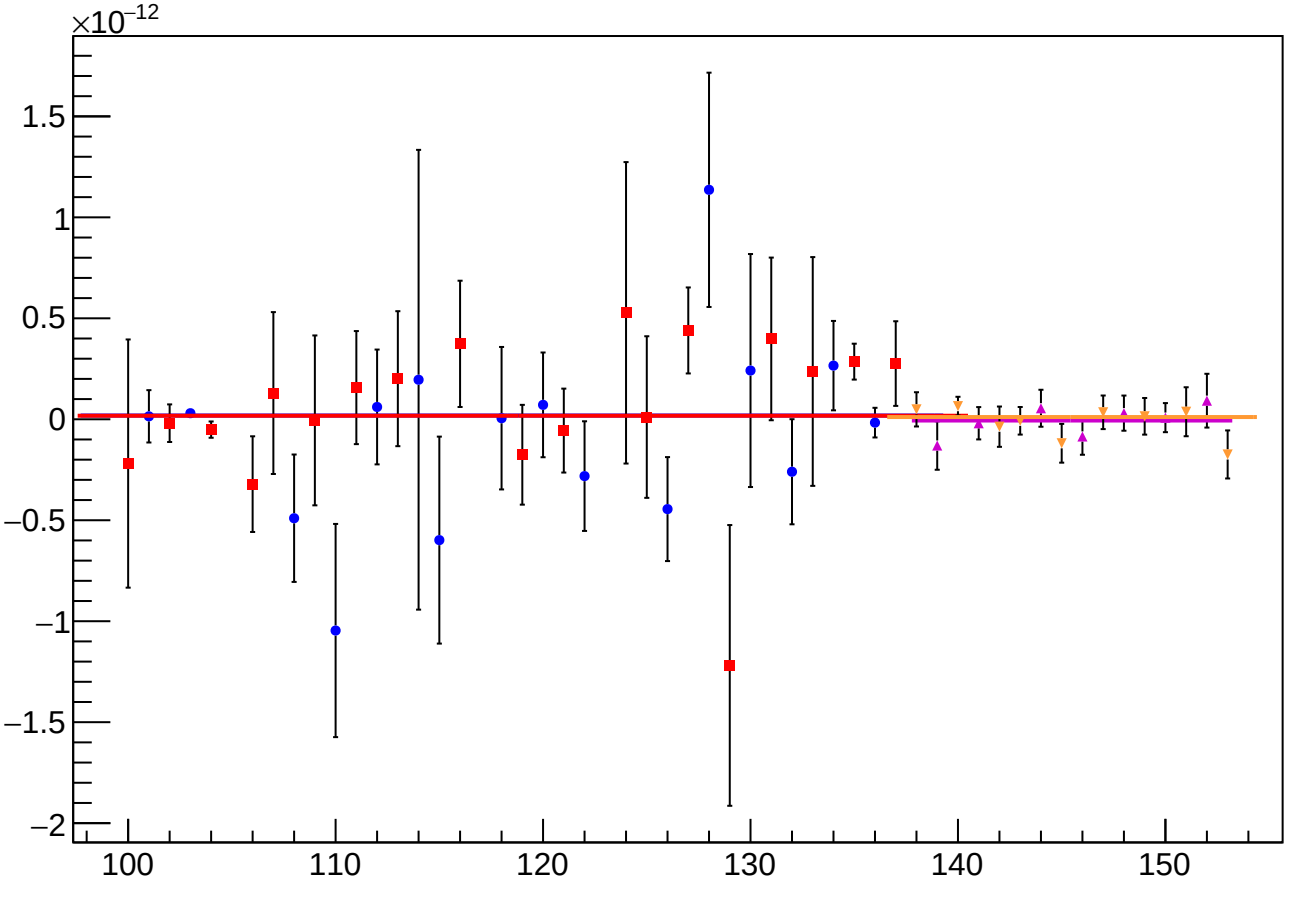
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 303.301+/-0.089 χ^2/NDF:354877.6/6

+ sign 228.323+/-0.047 χ^2/NDF: 4270268.6/24

All: 223.774+/-0.033 χ^2/NDF: 8361215.8/50

- sign 219.257+/-0.047 χ^2/NDF: 4072590.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

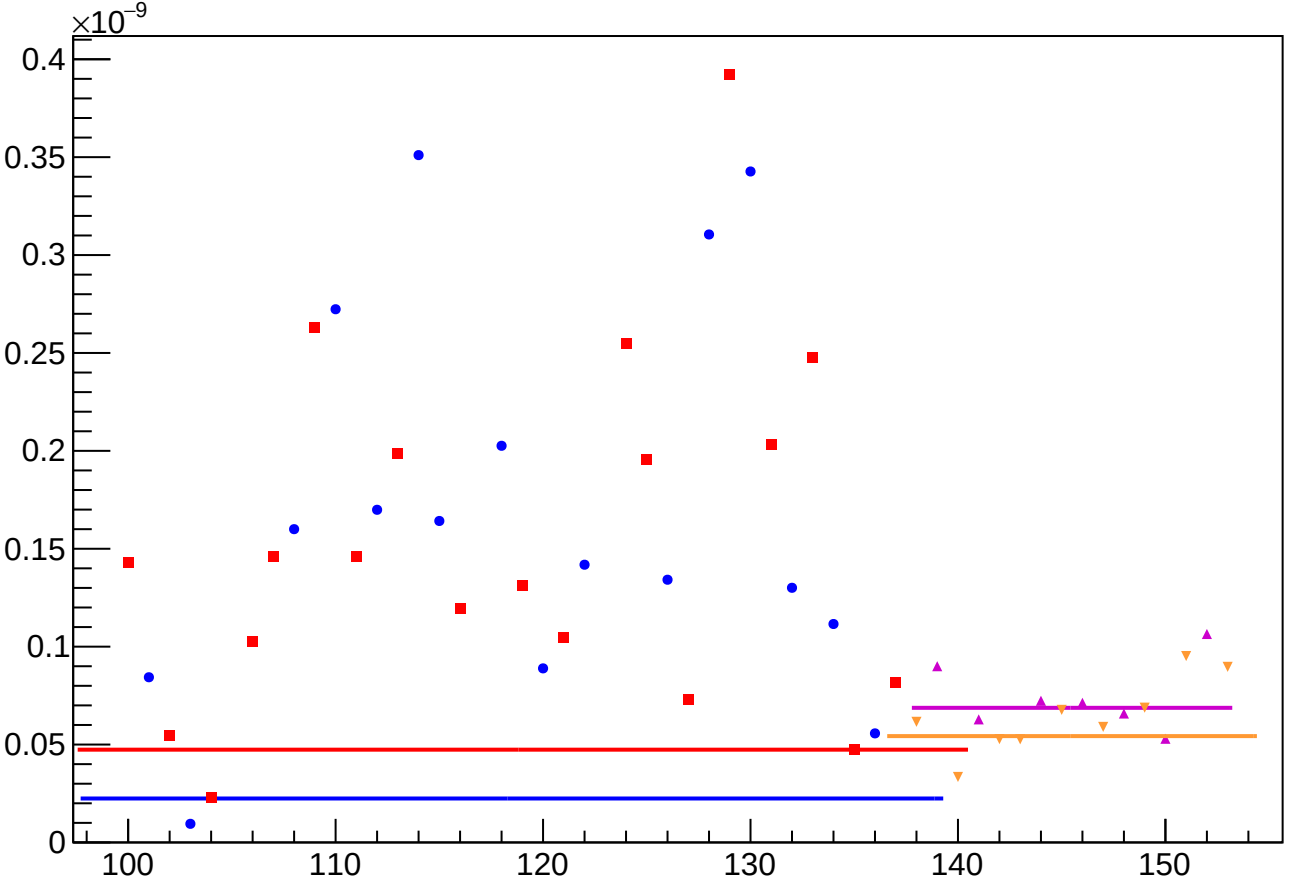
Left In: -0.000+/-0.000 χ^2/NDF:3.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 25.7/24

All: 0.000+/-0.000 χ^2/NDF: 56.2/50

- sign 0.000+/-0.000 χ^2/NDF: 30.4/25

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:921406.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

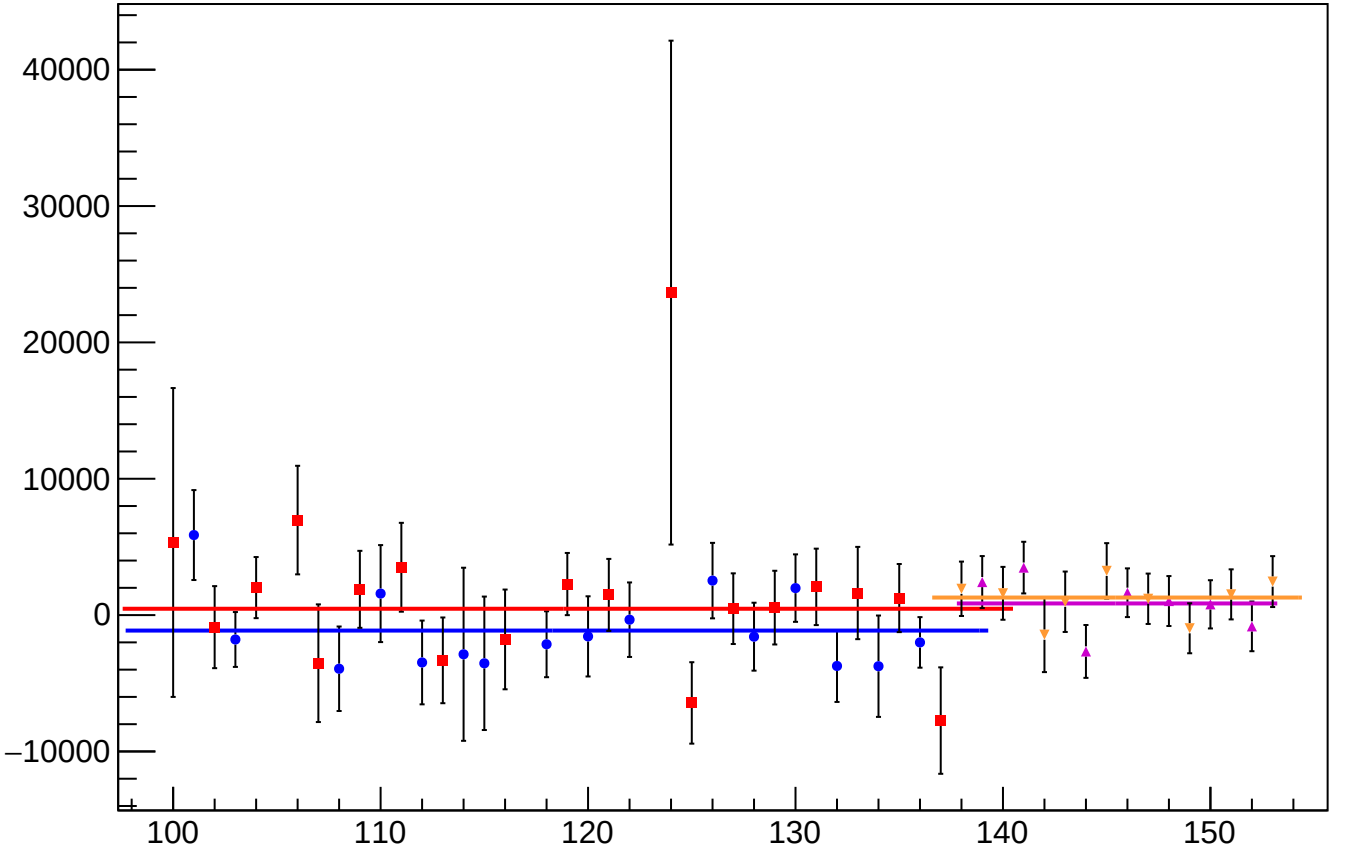
Left In: 0.000+/-0.000 χ^2/NDF:337137.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 9139607.8/24

All: 0.000+/-0.000 χ^2/NDF: 15414056.0/50

- sign 0.000+/-0.000 χ^2/NDF: 4997171.6/25

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1288.210+/-663.763 χ^2/NDF:4.0/8

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

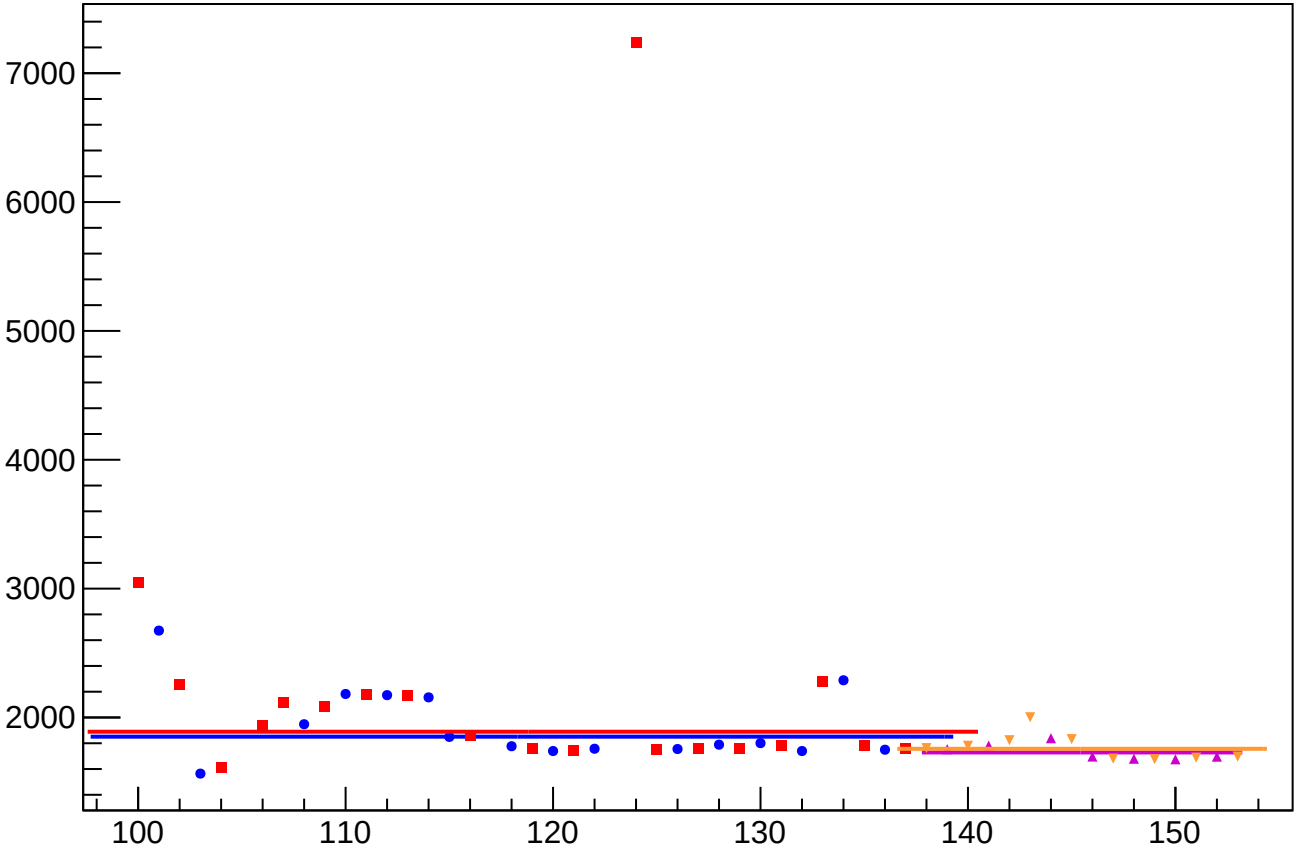
Left In: 854.691+/-698.014 χ^2/NDF:7.0/6

+ sign 130.340+/-479.612 χ^2/NDF: 22.6/24

All: 387.202+/-344.901 χ^2/NDF: 50.3/50

- sign 662.298+/-496.344 χ^2/NDF: 27.1/25

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1757.020+/-0.469 χ^2/NDF:40787.2/8

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

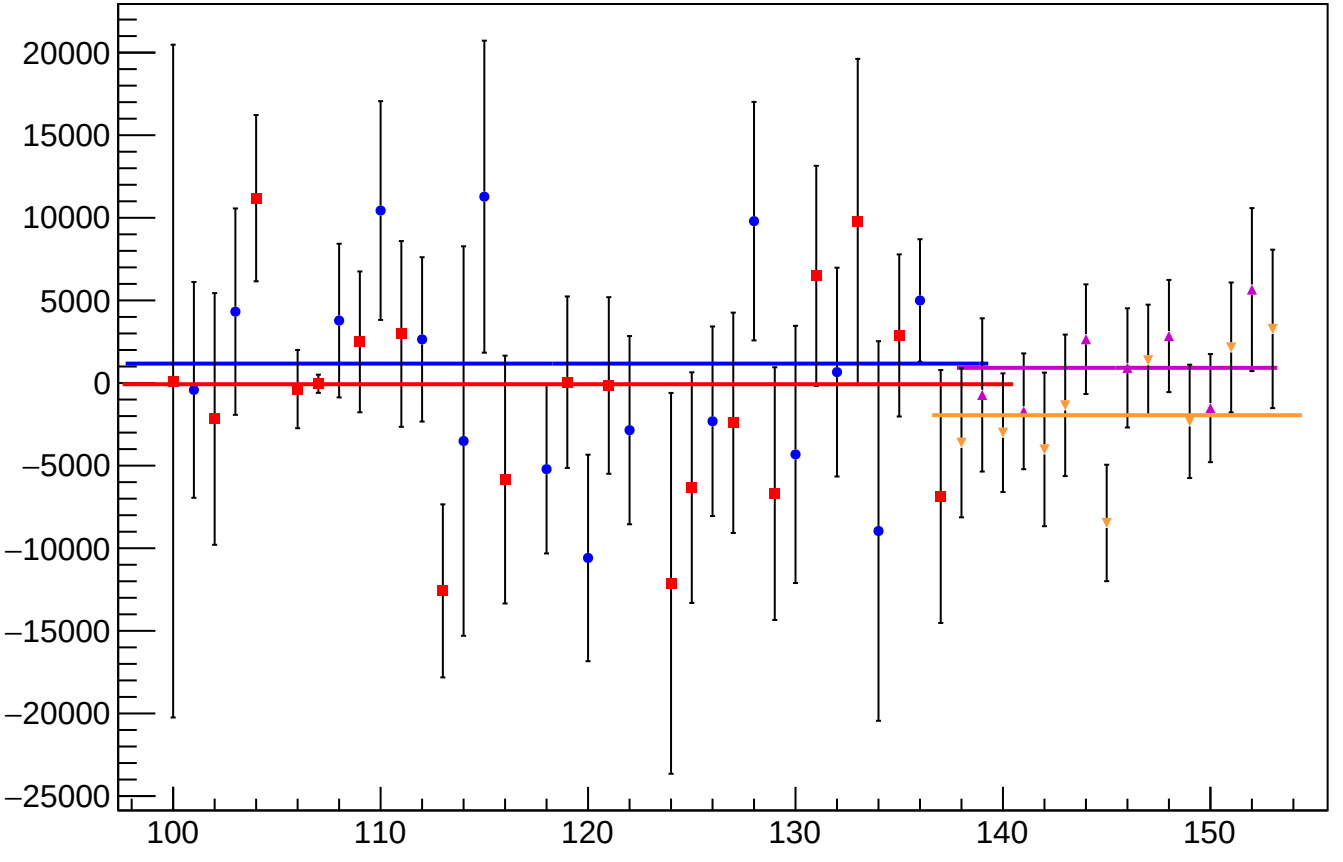
Left In: 1728.617+/-0.494 χ^2/NDF:12935.8/6

+ sign 1801.995+/-0.339 χ^2/NDF: 319982.4/24

All: 1805.068+/-0.244 χ^2/NDF: 744657.3/50

- sign 1808.352+/-0.351 χ^2/NDF: 424505.1/25

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -1947.735+/-1302.768 χ^2/NDF:7.1/8

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

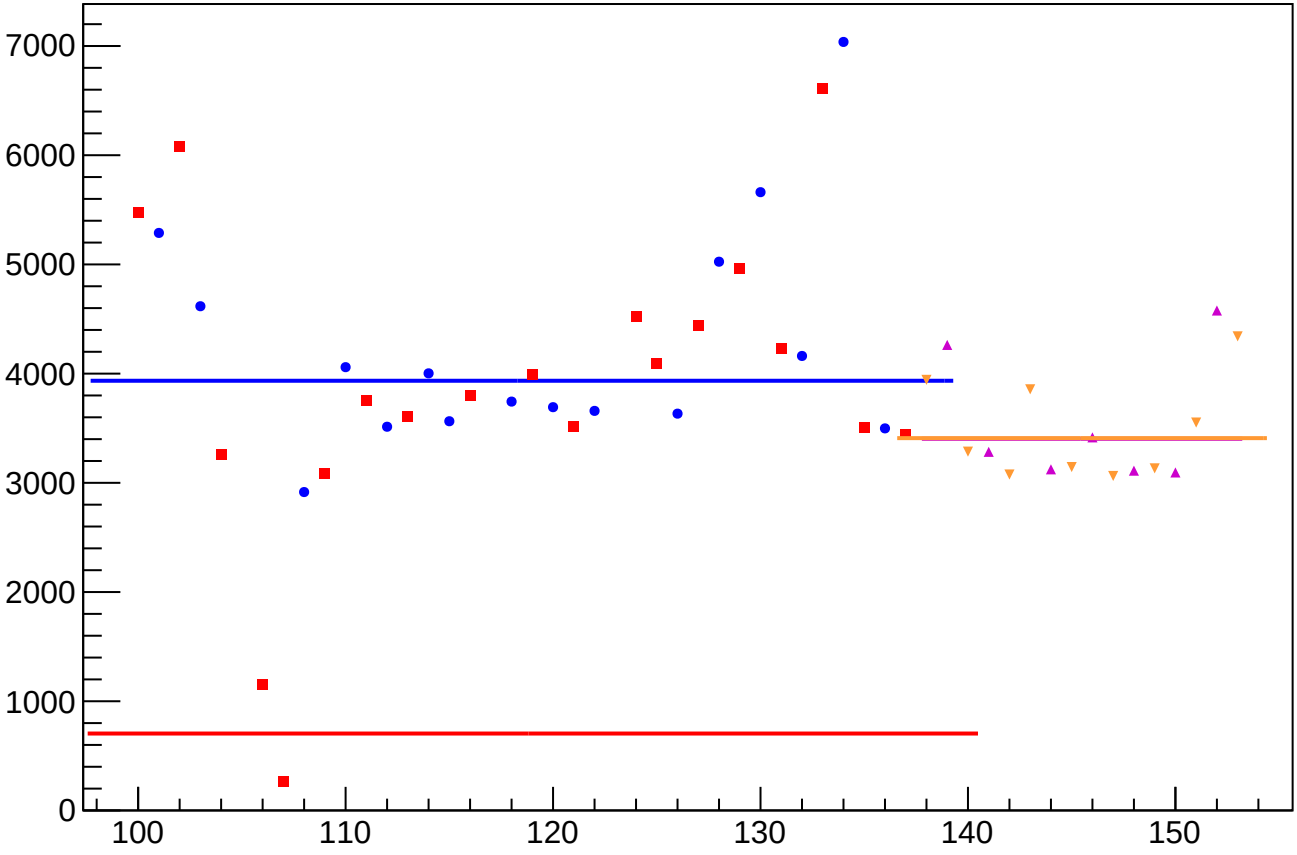
Left In: 920.543+/-1390.996 χ^2/NDF:2.8/6

+ sign -607.018+/-984.188 χ^2/NDF: 23.3/24

All: -79.699+/-427.974 χ^2/NDF: 44.8/50

- sign 43.266+/-475.261 χ^2/NDF: 21.1/25

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3409.300+/-0.921 χ^2/NDF:185985.8/8

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

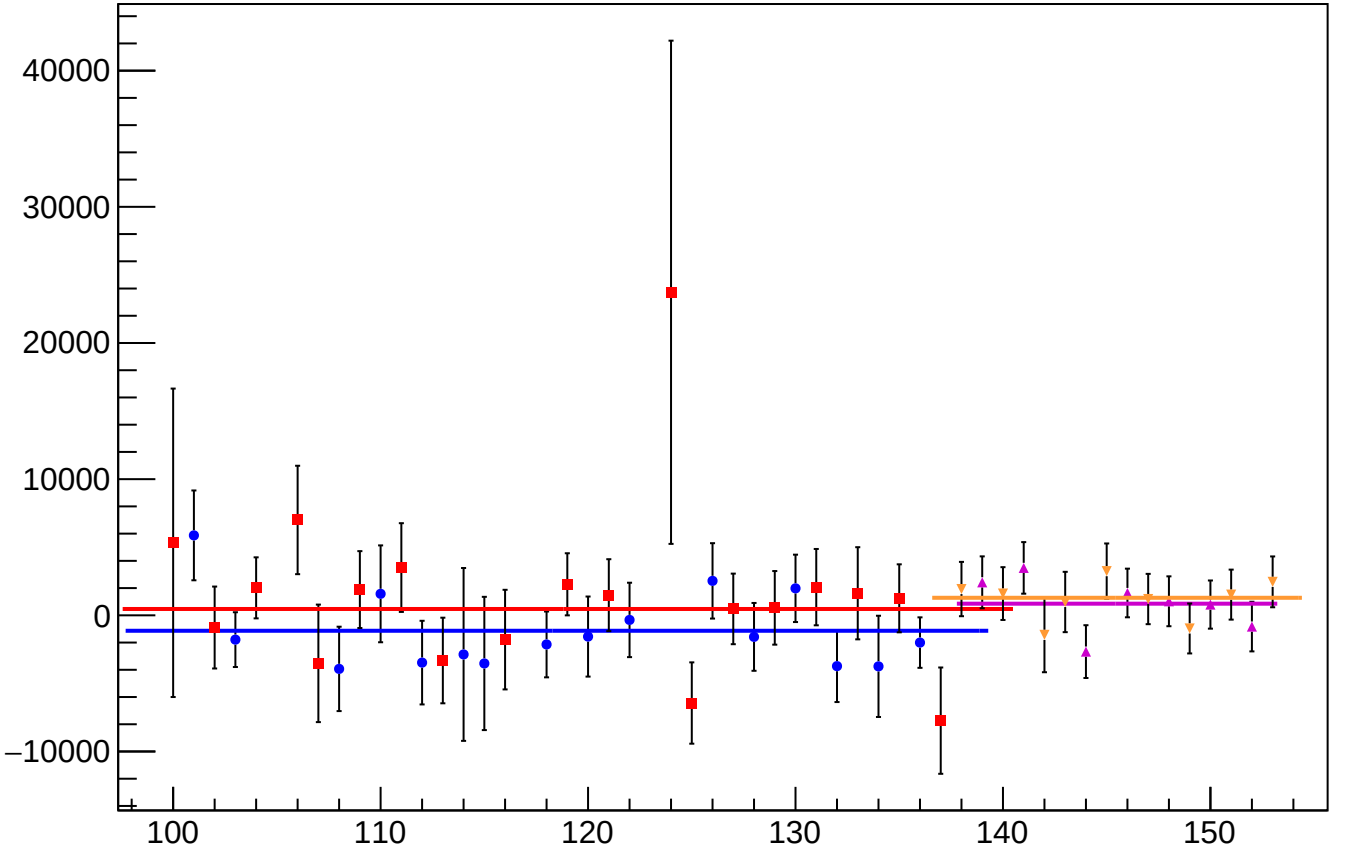
Left In: 3403.406+/-0.984 χ^2/NDF:231223.1/6

+ sign 3634.852+/-0.696 χ^2/NDF: 885763.8/24

All: 1514.018+/-0.303 χ^2/NDF: 29839458.6/5

- sign 1019.463+/-0.336 χ^2/NDF: 17500762.2/25

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1288.173+/-663.763 χ^2/NDF:4.0/8

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

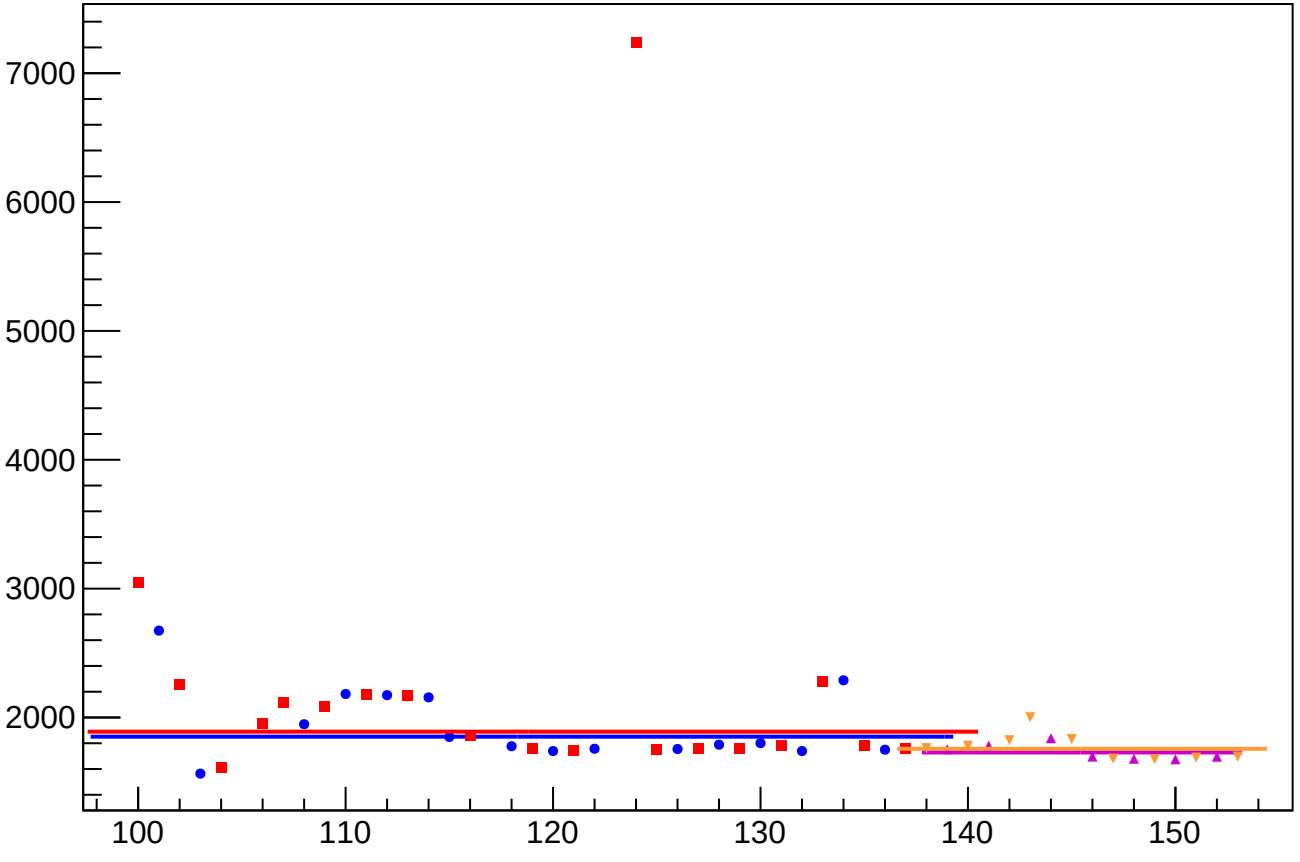
Left In: 854.642+/-698.014 χ^2/NDF:7.0/6

\+ sign 130.525+/-479.613 χ^2/NDF: 22.6/24

All: 387.376+/-344.901 χ^2/NDF: 50.3/50

\- sign 662.461+/-496.345 χ^2/NDF: 27.2/25

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1757.020+/-0.469 χ^2/NDF:40787.2/8

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

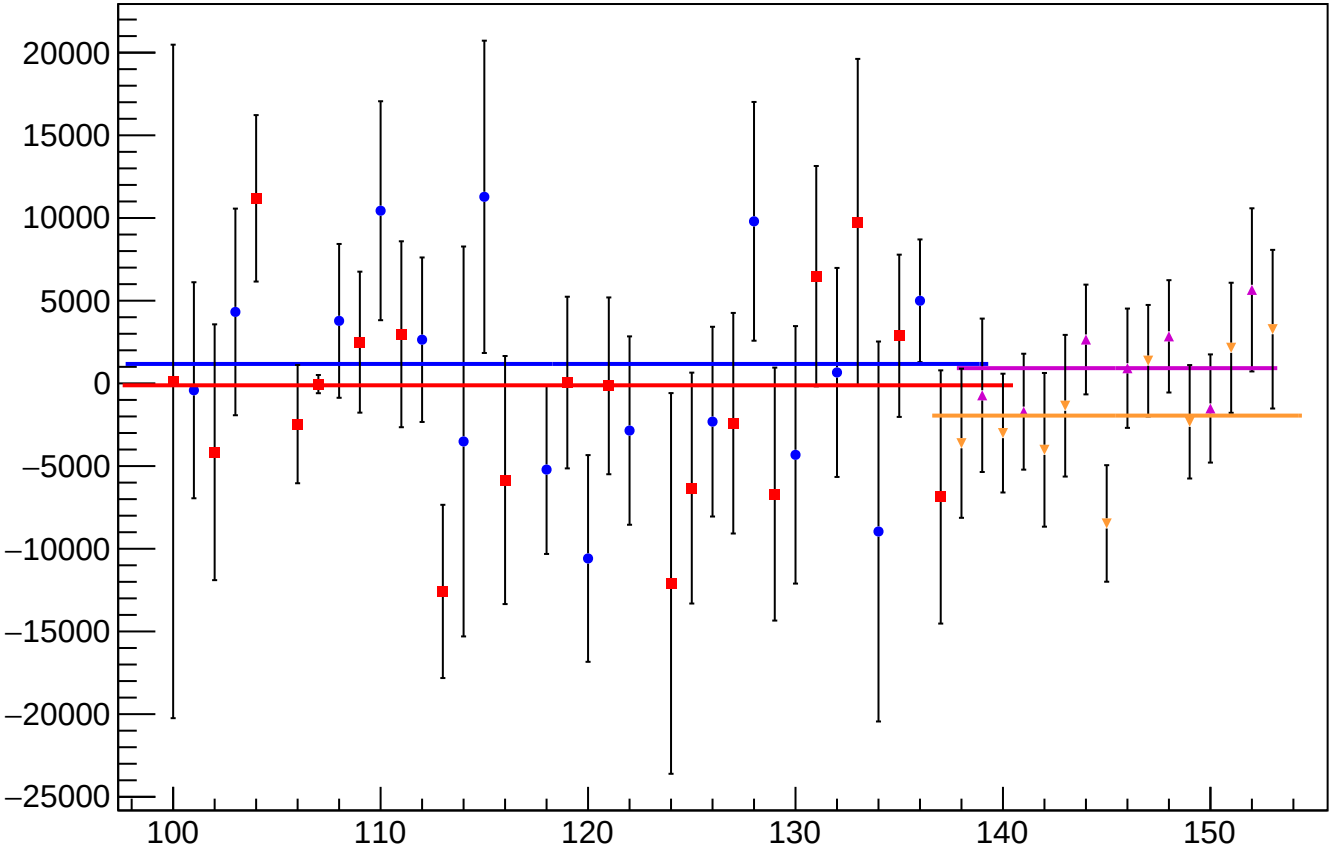
Left In: 1728.617+/-0.494 χ^2/NDF:12935.8/6

\+ sign 1801.996+/-0.339 χ^2/NDF: 319981.7/24

All: 1805.169+/-0.244 χ^2/NDF: 745175.9/50

\- sign 1808.561+/-0.351 χ^2/NDF: 425013.1/25

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1947.805+/-1302.764 χ^2/NDF:7.1/8

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

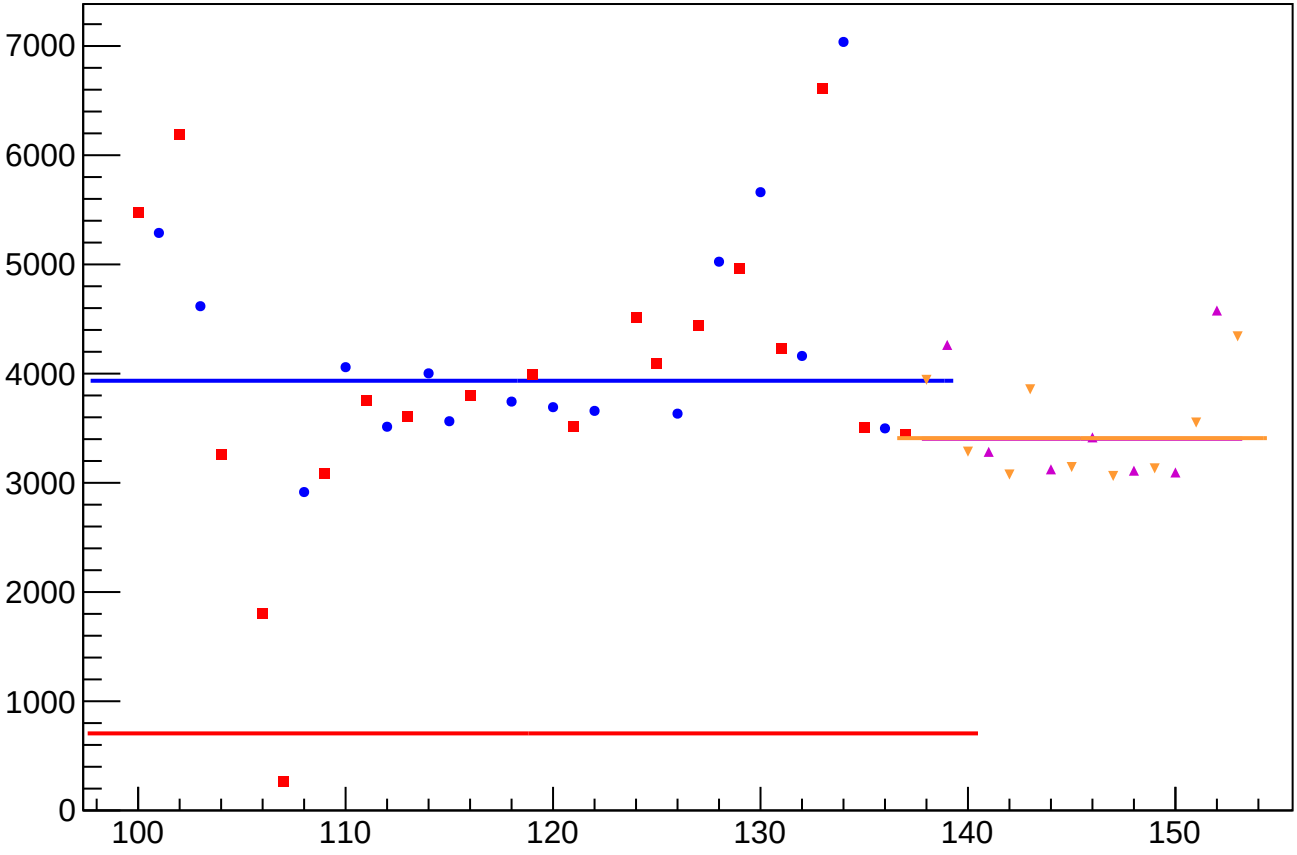
Left In: 920.552+/-1390.997 χ^2/NDF:2.8/6

+ sign -607.078+/-984.188 χ^2/NDF: 23.3/24

All: -110.579+/-431.950 χ^2/NDF: 45.4/50

- sign 7.876+/-480.723 χ^2/NDF: 21.8/25

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3409.288+/-0.921 χ^2/NDF:185992.7/8

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

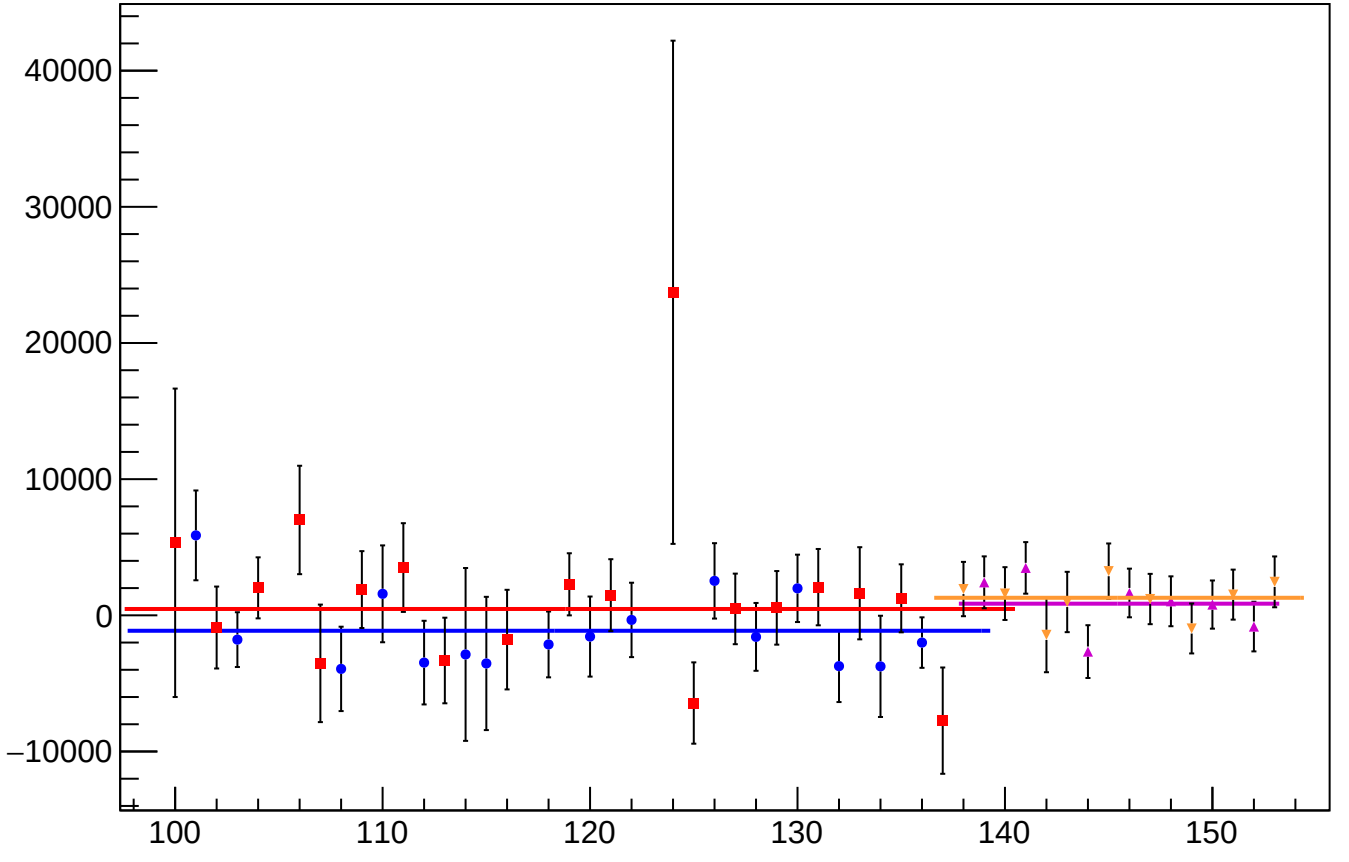
Left In: 3403.409+/-0.984 χ^2/NDF:231222.7/6

+ sign 3634.847+/-0.696 χ^2/NDF: 885805.5/24

All: 1530.008+/-0.305 χ^2/NDF: 29818898.8/5

- sign 1027.835+/-0.340 χ^2/NDF: 17602941.3/25

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1288.173+/-663.763 χ^2/NDF:4.0/8

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

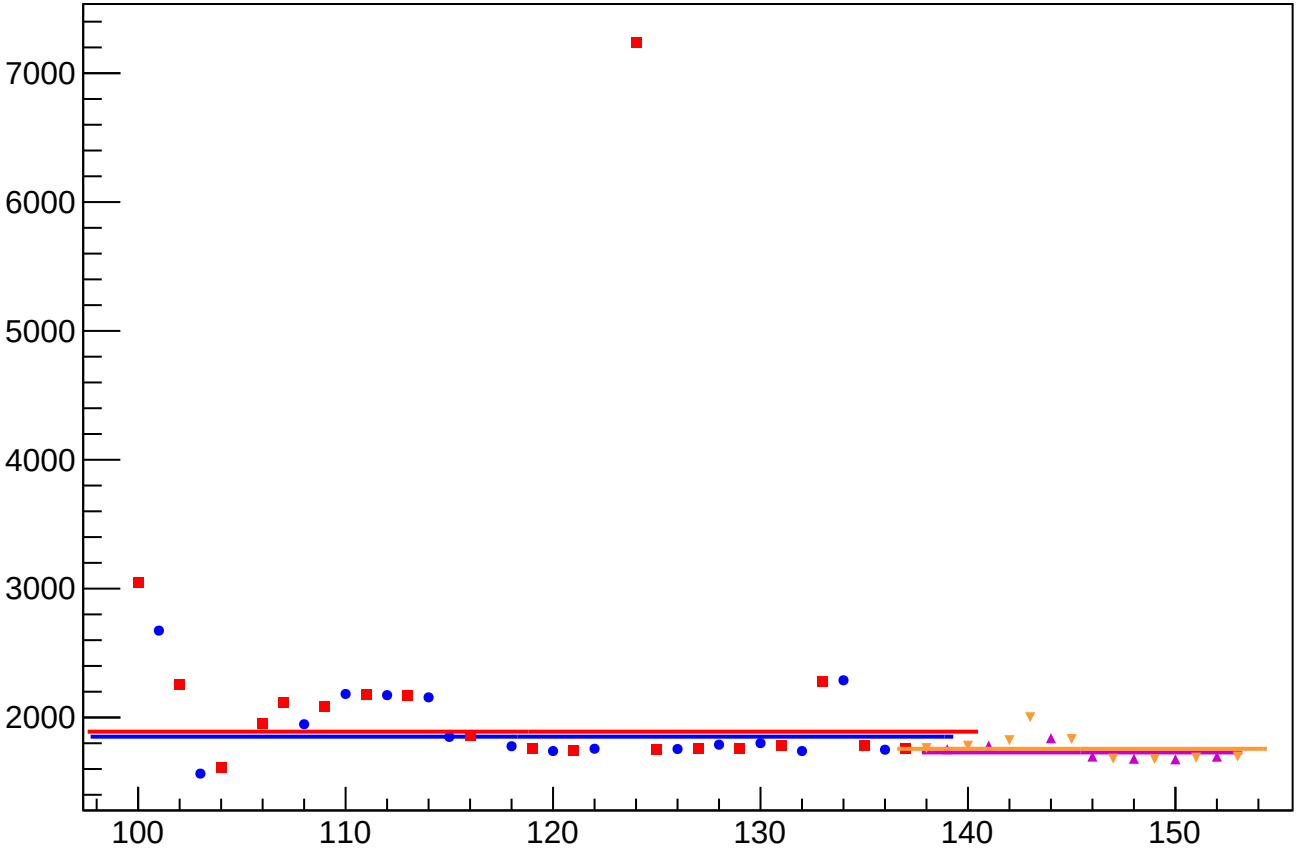
Left In: 854.642+/-698.014 χ^2/NDF:7.0/6

+ sign 130.525+/-479.613 χ^2/NDF: 22.6/24

All: 387.376+/-344.901 χ^2/NDF: 50.3/50

- sign 662.461+/-496.345 χ^2/NDF: 27.2/25

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1757.020+/-0.469 χ^2/NDF:40787.2/8

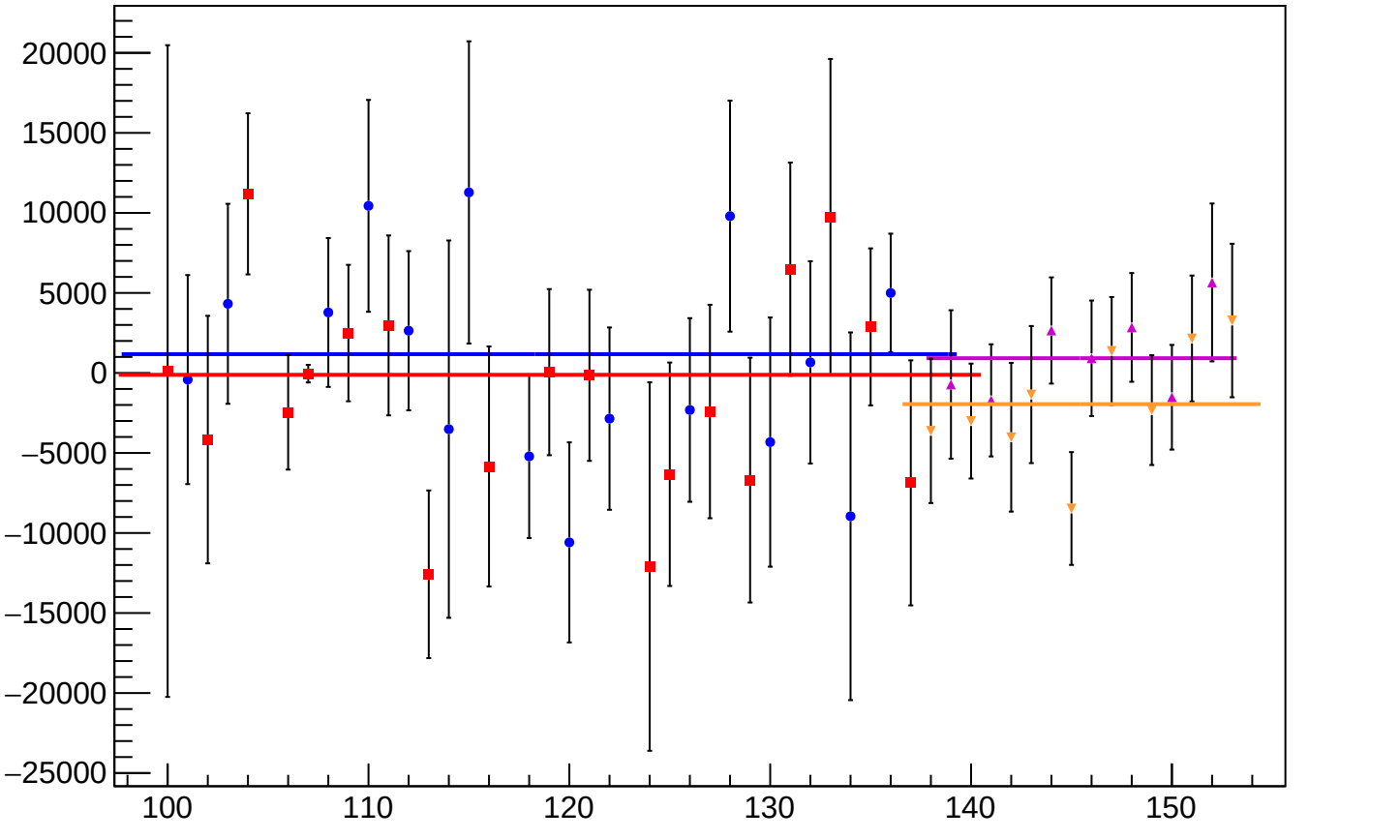
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1728.617+/-0.494 χ^2/NDF:12935.8/6

+ sign 1801.996+/-0.339 χ^2/NDF: 319981.7/24

All: 1805.169+/-0.244 χ^2/NDF: 745175.9/50

- sign 1808.561+/-0.351 χ^2/NDF: 425013.1/25



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1947.805+/-1302.764 χ^2/NDF:7.1/8

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

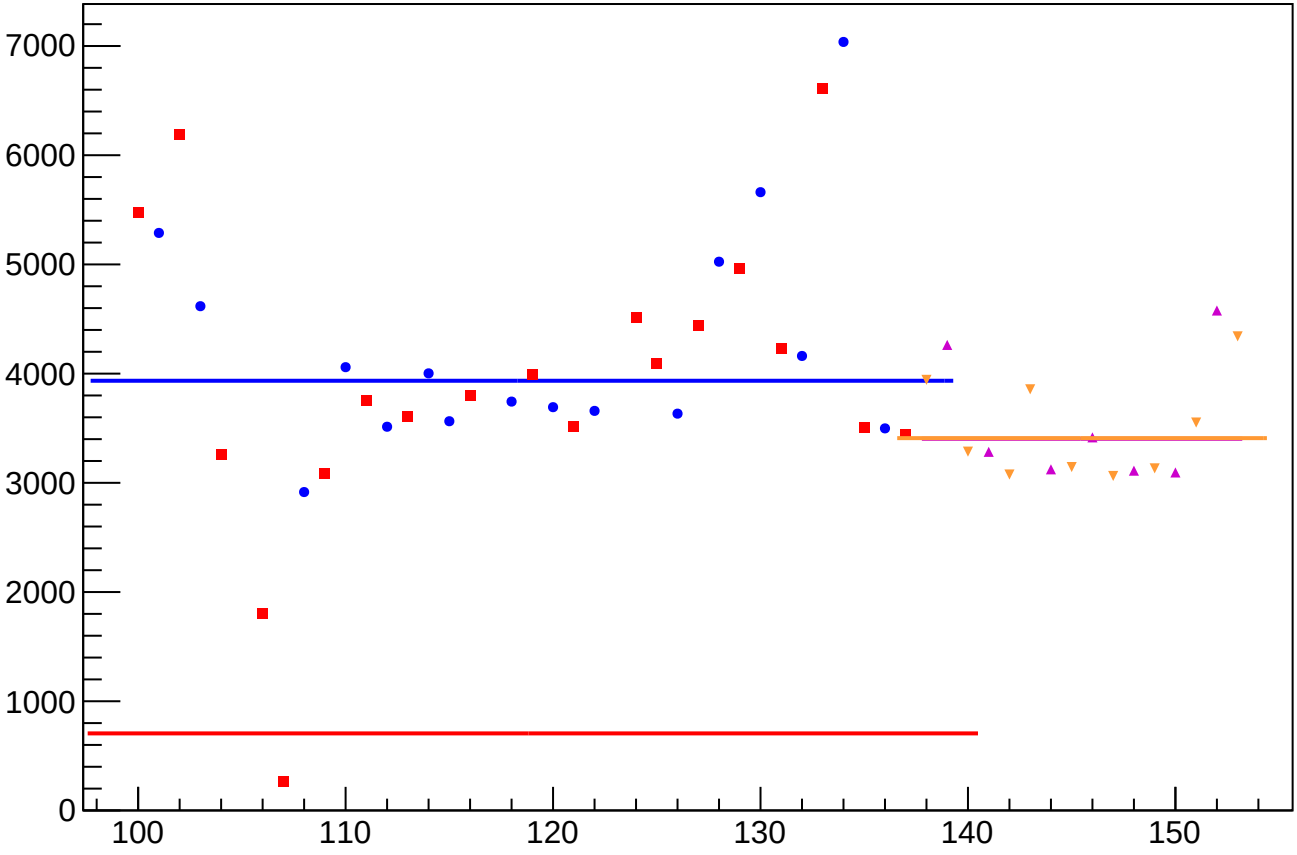
Left In: 920.552+/-1390.997 χ^2/NDF:2.8/6

+ sign -607.078+/-984.188 χ^2/NDF: 23.3/24

All: -110.579+/-431.950 χ^2/NDF: 45.4/50

- sign 7.876+/-480.723 χ^2/NDF: 21.8/25

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3409.288+/-0.921 χ^2/NDF:185992.7/8

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

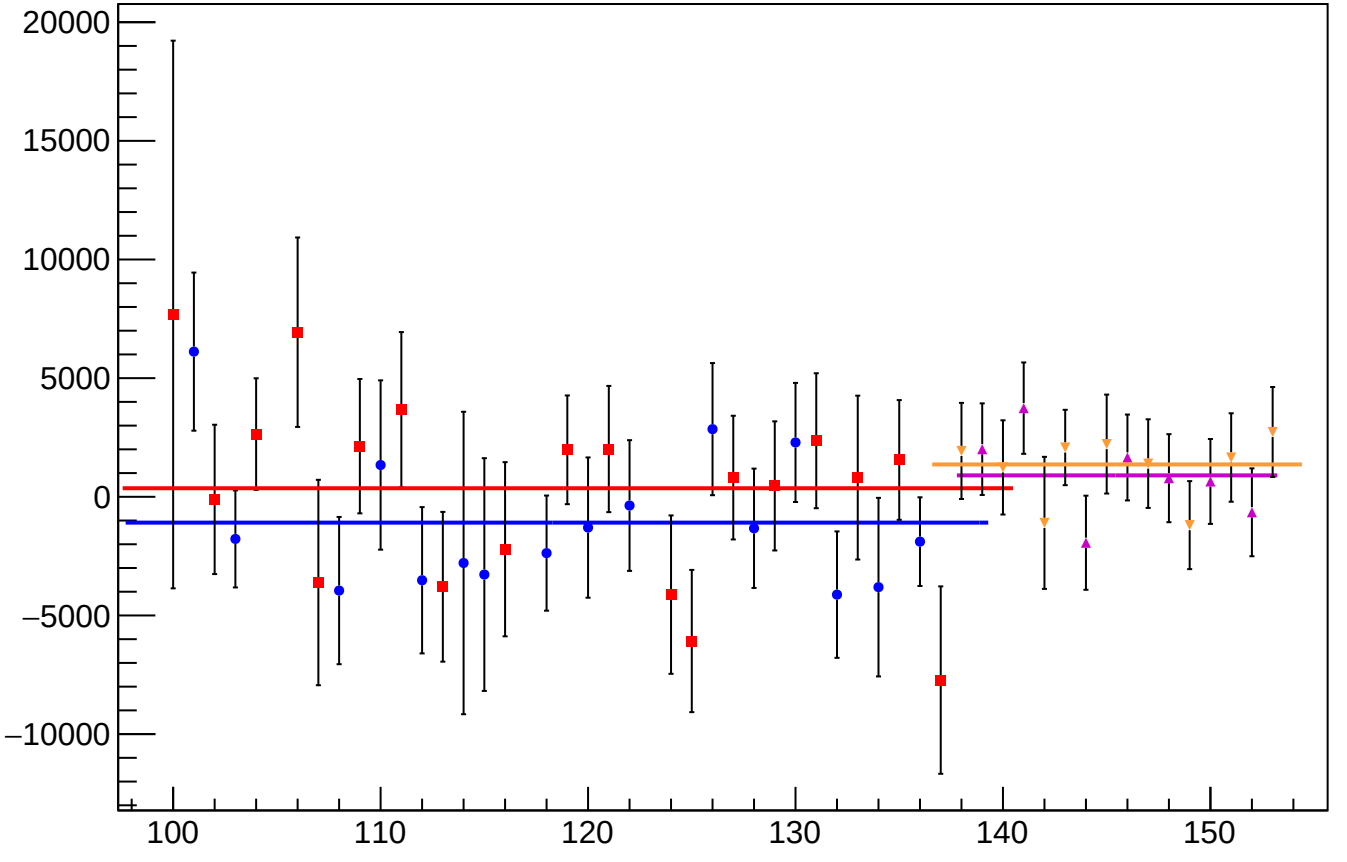
Left In: 3403.409+/-0.984 χ^2/NDF:231222.7/6

+ sign 3634.847+/-0.696 χ^2/NDF: 885805.5/24

All: 1530.008+/-0.305 χ^2/NDF: 29818898.8/5

- sign 1027.835+/-0.340 χ^2/NDF: 17602941.3/25

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1364.475+/-645.867 χ^2/NDF:3.7/8

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

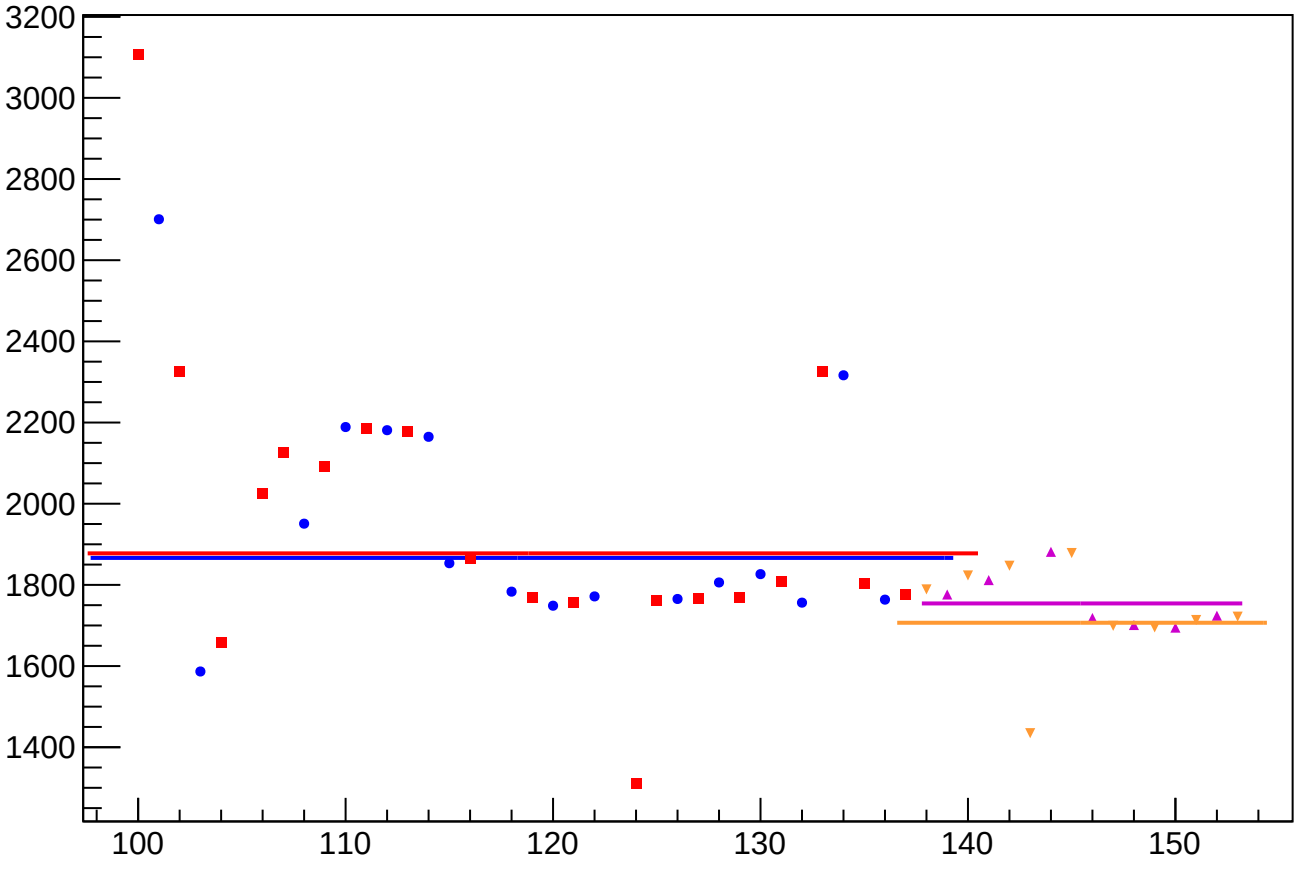
Left In: 903.163+/-708.462 χ^2/NDF:5.4/6

\+ sign 236.111+/-474.551 χ^2/NDF: 23.5/24

All: 423.067+/-343.489 χ^2/NDF: 50.4/50

\- sign 628.805+/-497.819 χ^2/NDF: 26.6/25

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1706.681+/-0.457 χ^2/NDF:87852.3/8

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

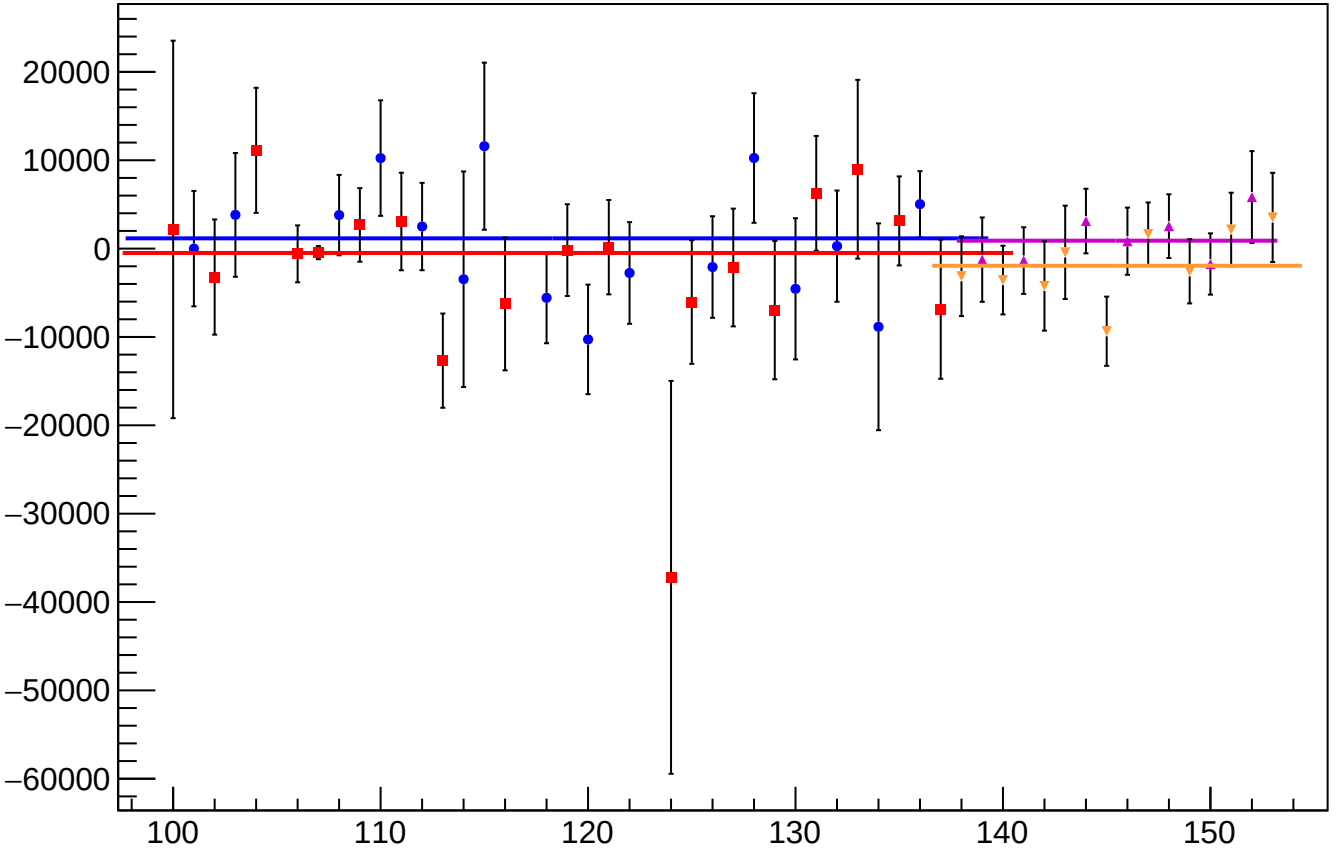
Left In: 1754.284+/-0.501 χ^2/NDF:15447.2/6

+ sign 1780.200+/-0.336 χ^2/NDF: 400433.3/24

All: 1797.629+/-0.243 χ^2/NDF: 704125.3/50

- sign 1816.793+/-0.352 χ^2/NDF: 298027.8/25

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -1940.122+/-1405.611 χ^2/NDF:7.3/8

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

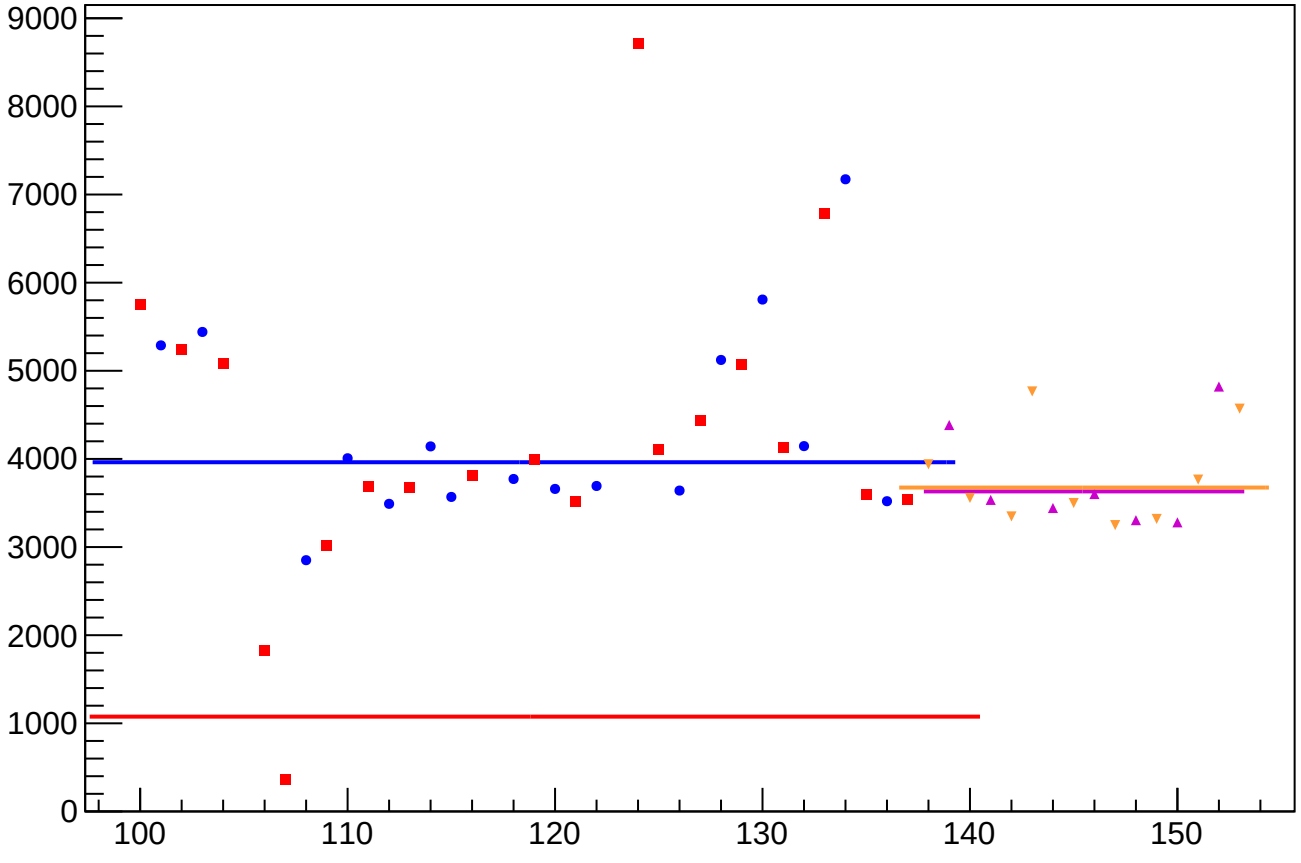
Left In: 896.041+/-1482.317 χ^2/NDF:2.6/6

+ sign -502.663+/-1029.547 χ^2/NDF: 23.2/24

All: -324.760+/-519.551 χ^2/NDF: 43.5/50

- sign -263.975+/-601.799 χ^2/NDF: 20.3/25

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3675.175+/-0.994 χ^2/NDF:217705.0/8

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

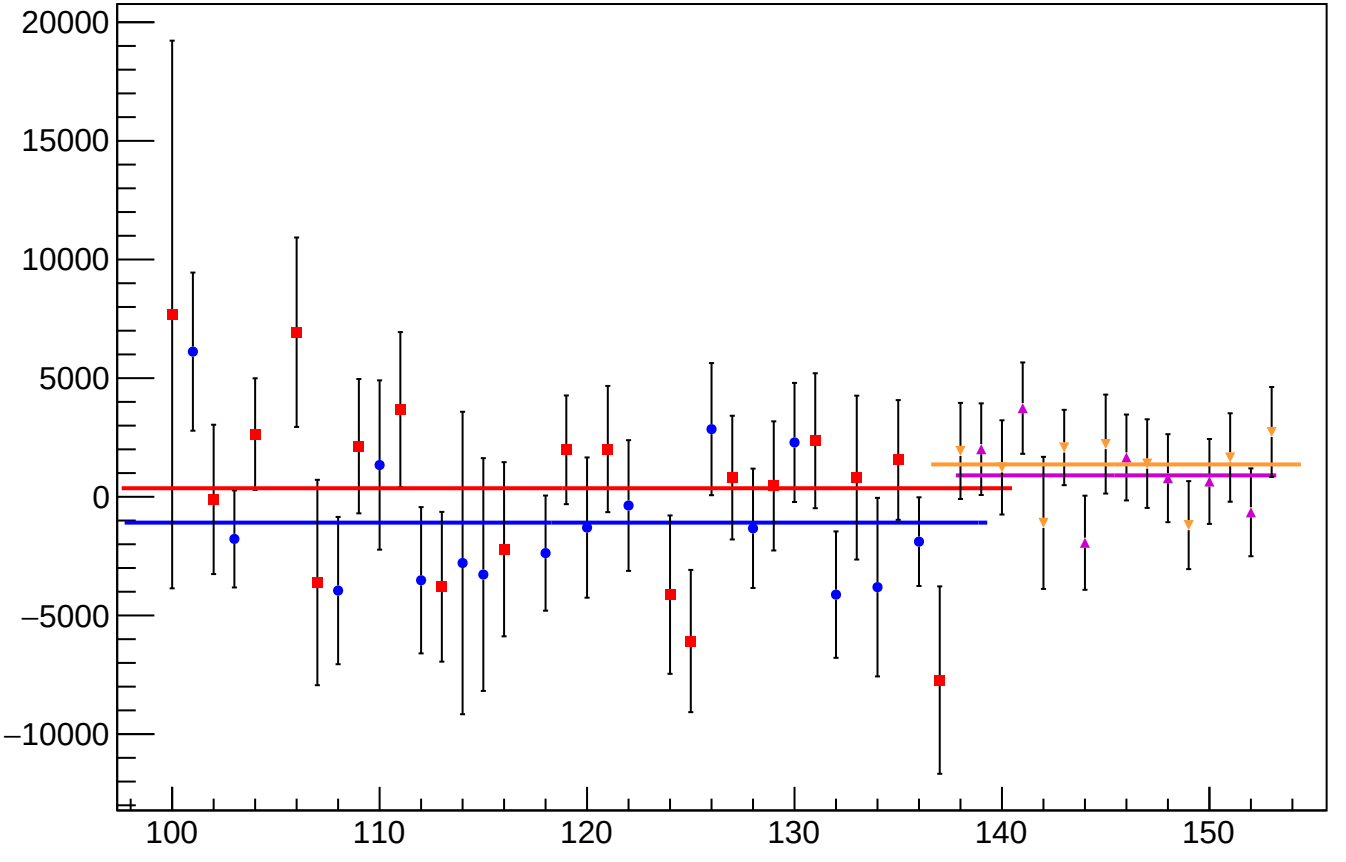
Left In: 3631.460+/-1.048 χ^2/NDF:198261.4/6

+ sign 3808.292+/-0.728 χ^2/NDF: 924744.1/24

All: 2085.722+/-0.367 χ^2/NDF: 23157613.7/5

- sign 1497.166+/-0.426 χ^2/NDF: 14721166.4/25

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1364.473+/-645.867 χ^2/NDF:3.7/8

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

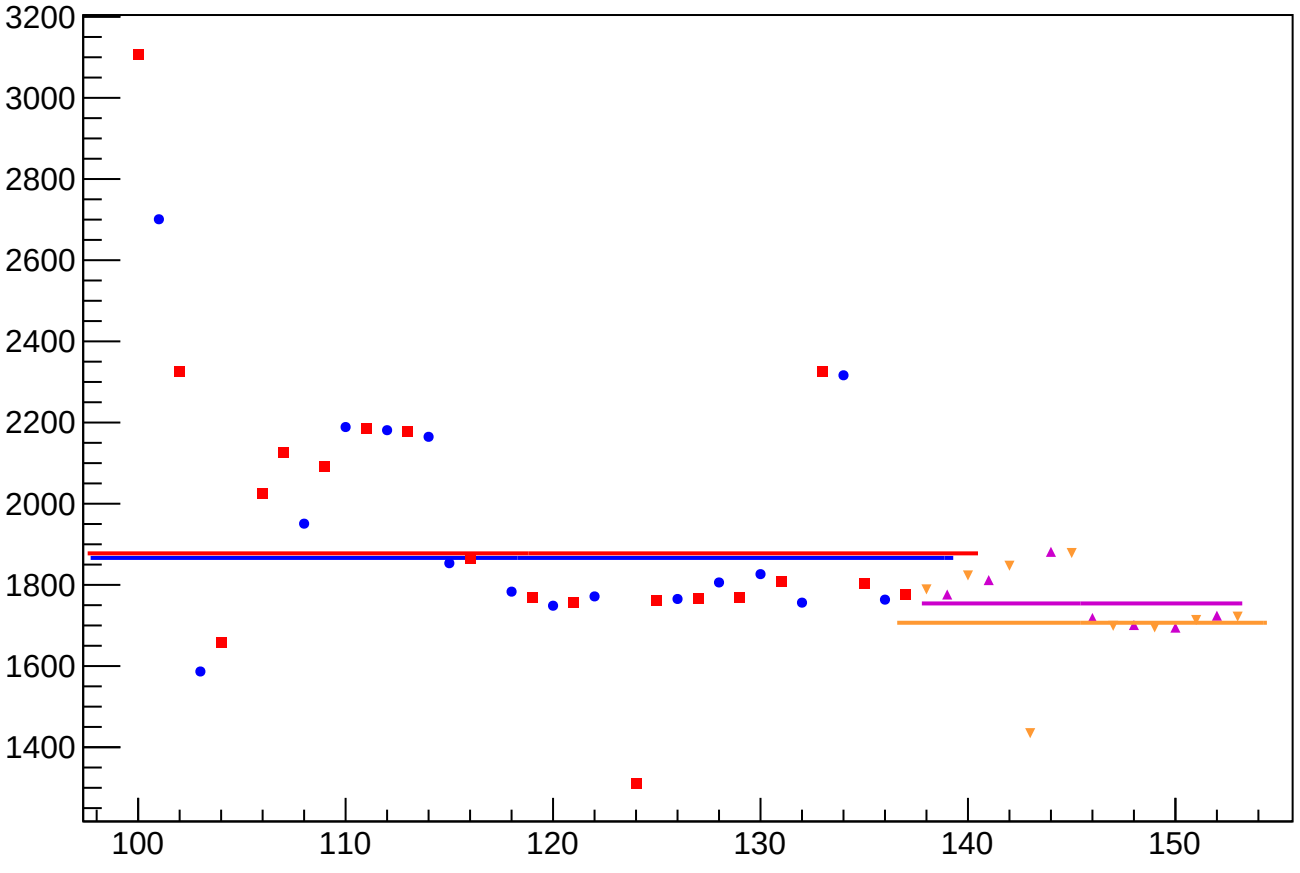
Left In: 903.160+/-708.462 χ^2/NDF:5.4/6

\+ sign 236.107+/-474.551 χ^2/NDF: 23.5/24

All: 423.065+/-343.490 χ^2/NDF: 50.4/50

\- sign 628.806+/-497.819 χ^2/NDF: 26.6/25

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1706.682+/-0.457 χ^2/NDF:87851.4/8

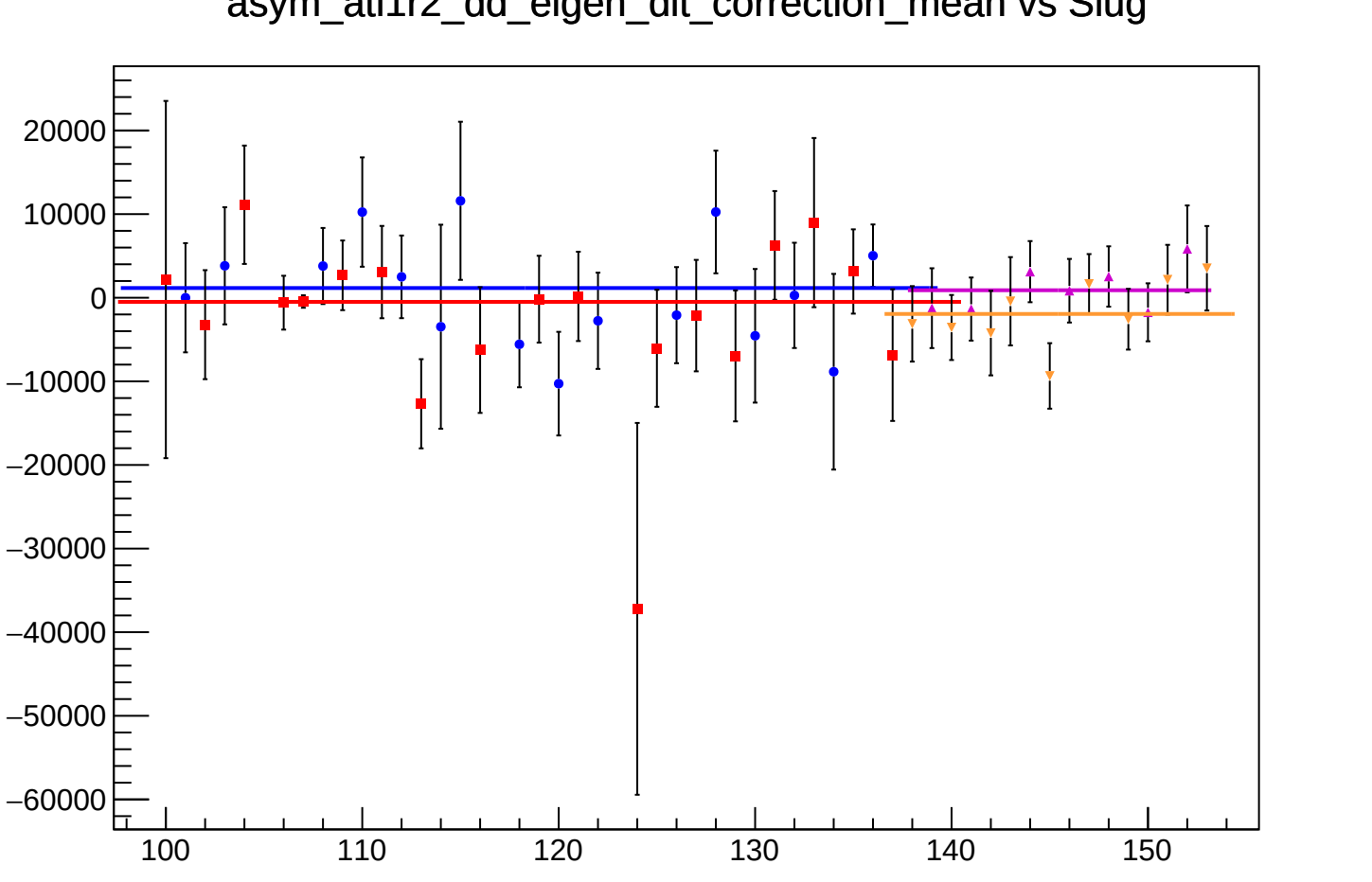
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1754.285+/-0.501 χ^2/NDF:15447.1/6

+ sign 1780.201+/-0.336 χ^2/NDF: 400431.6/24

All: 1797.630+/-0.243 χ^2/NDF: 704123.5/50

- sign 1816.794+/-0.352 χ^2/NDF: 298027.8/25



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -1940.124+/-1405.613 χ^2/NDF:7.3/8

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

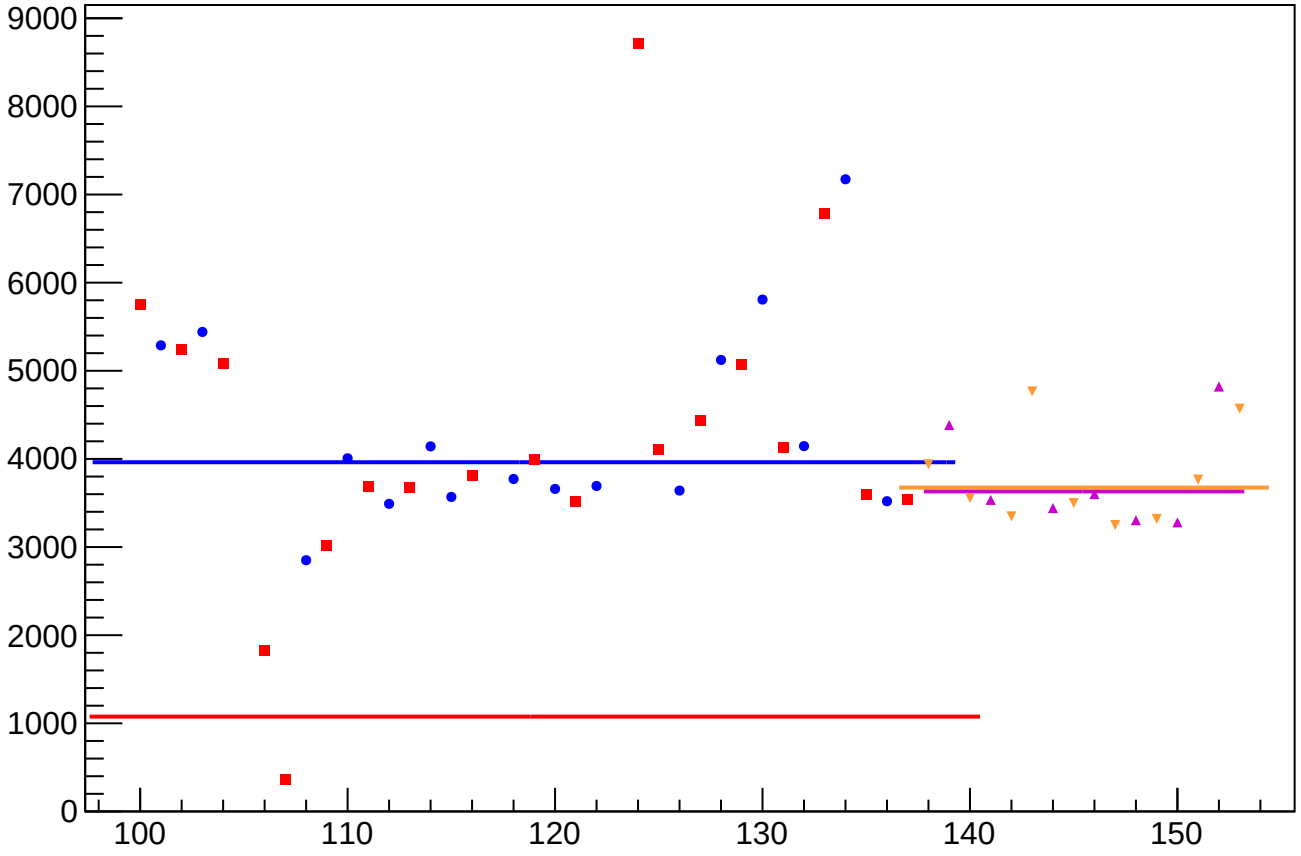
Left In: 896.038+/-1482.319 χ^2/NDF:2.6/6

+ sign -502.669+/-1029.546 χ^2/NDF: 23.2/24

All: -324.763+/-519.556 χ^2/NDF: 43.5/50

- sign -263.976+/-601.808 χ^2/NDF: 20.3/25

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3675.179+/-0.994 χ^2/NDF:217703.2/8

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

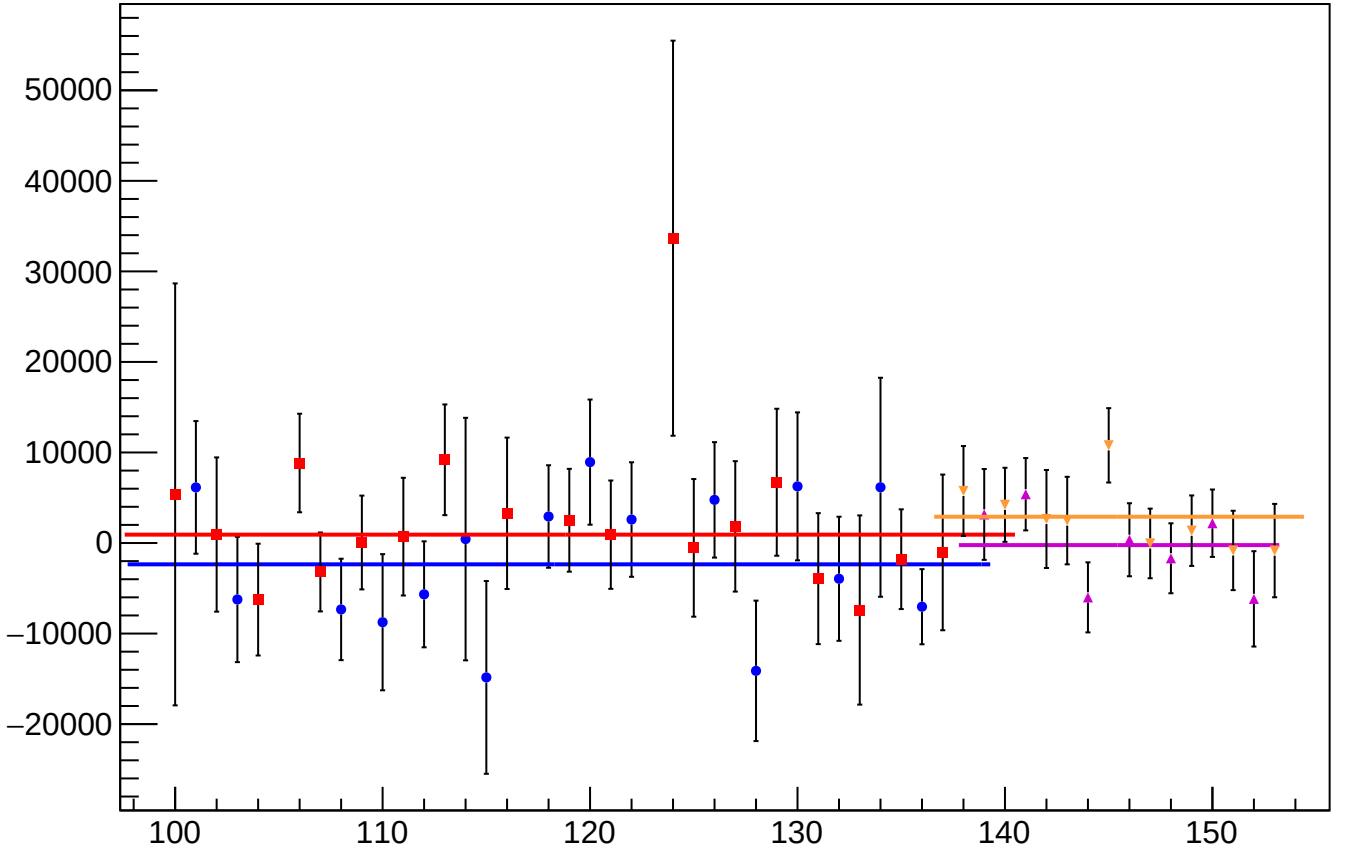
Left In: 3631.465+/-1.048 χ^2/NDF:198260.7/6

+ sign 3808.291+/-0.728 χ^2/NDF: 924735.9/24

All: 2085.762+/-0.367 χ^2/NDF: 23157042.4/5

- sign 1497.203+/-0.426 χ^2/NDF: 14720897.6/25

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 2901.361+/-1474.676 χ^2/NDF:6.1/8

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

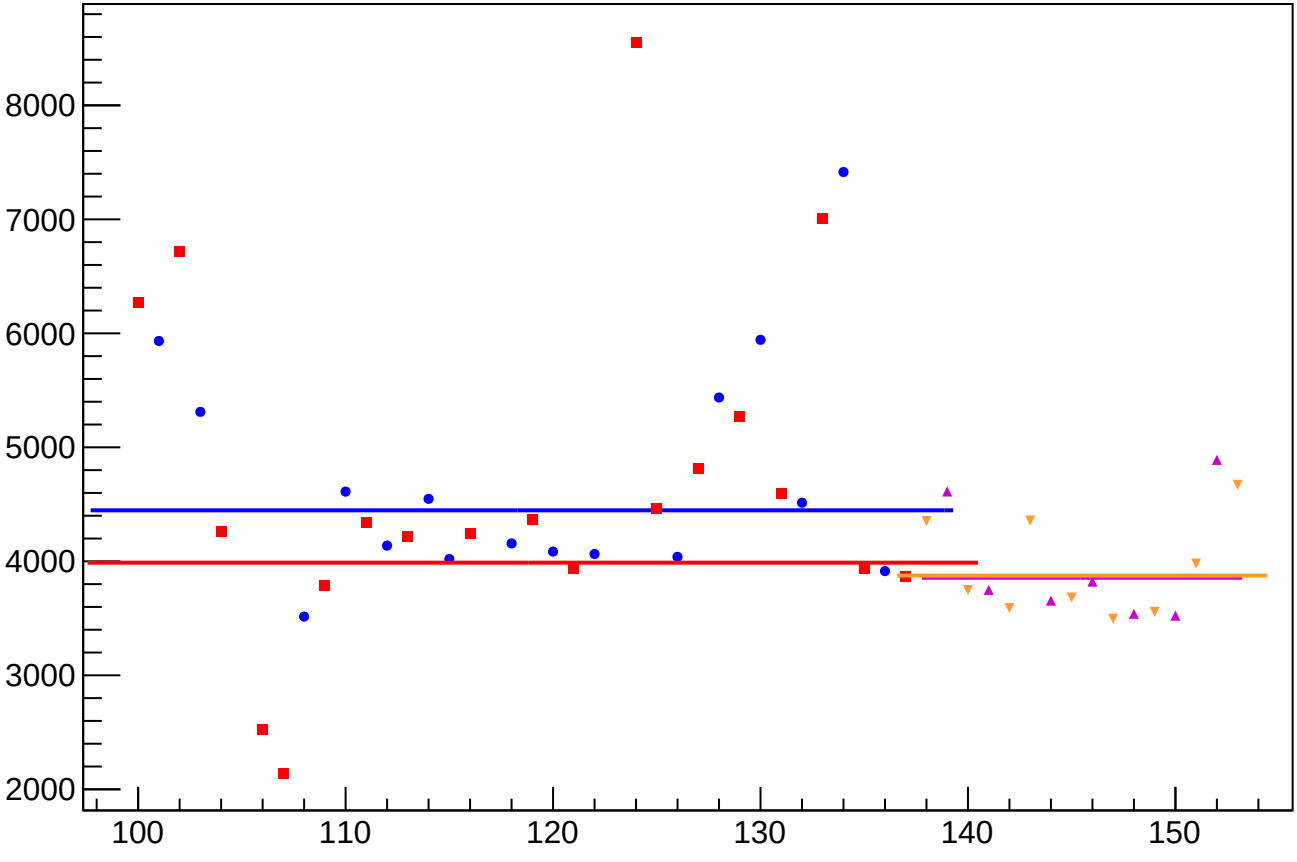
Left In: -230.422+/-1569.355 χ^2/NDF:6.5/6

+ sign 621.261+/-1109.647 χ^2/NDF: 27.2/24

All: 487.455+/-781.804 χ^2/NDF: 44.6/50

- sign 355.566+/-1101.673 χ^2/NDF: 17.4/25

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3875.153+/-1.043 χ^2/NDF:132053.9/8

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

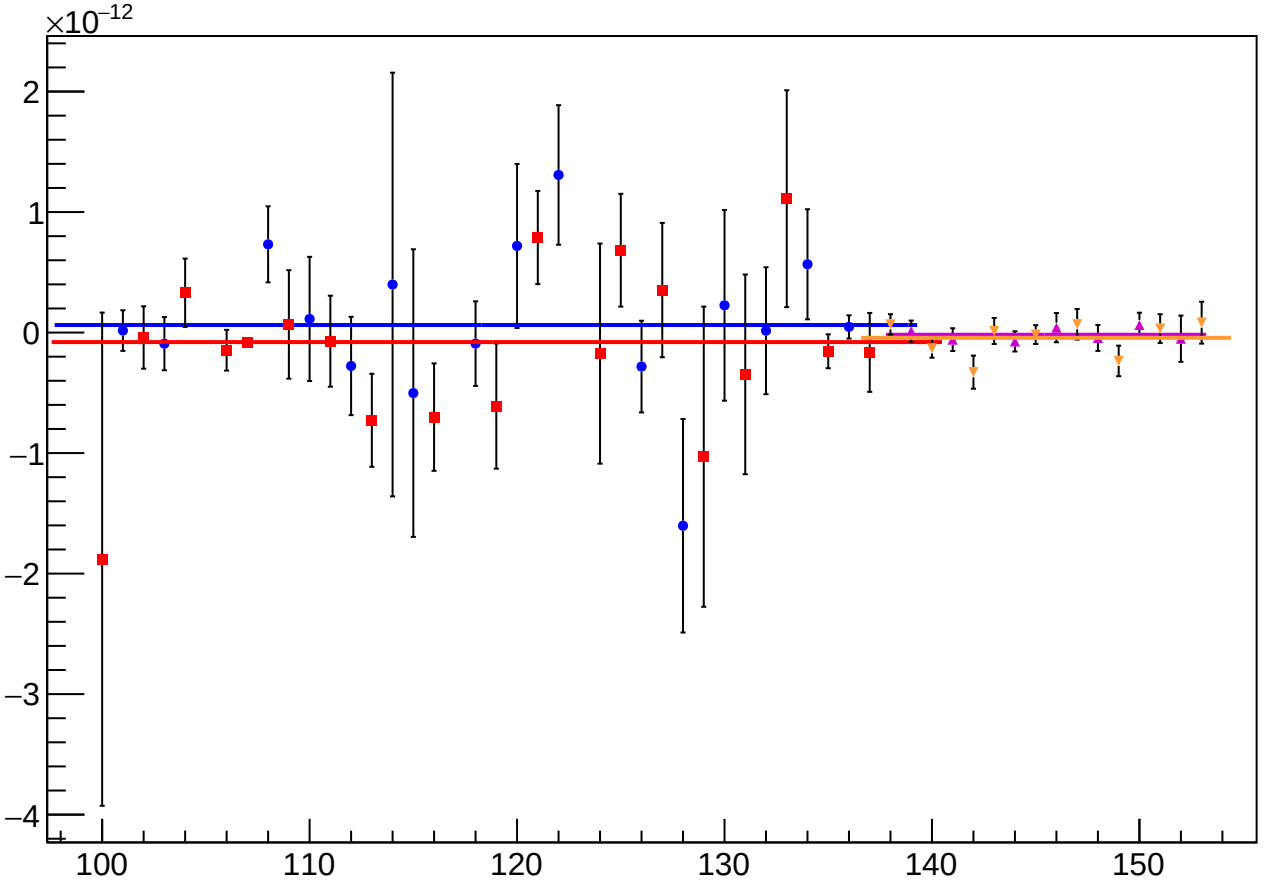
Left In: 3855.998+/-1.110 χ^2/NDF:159032.7/6

+ sign 4123.399+/-0.785 χ^2/NDF: 720958.6/24

All: 4022.340+/-0.551 χ^2/NDF: 2063972.6/50

- sign 3923.736+/-0.775 χ^2/NDF: 1310239.7/25

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/8

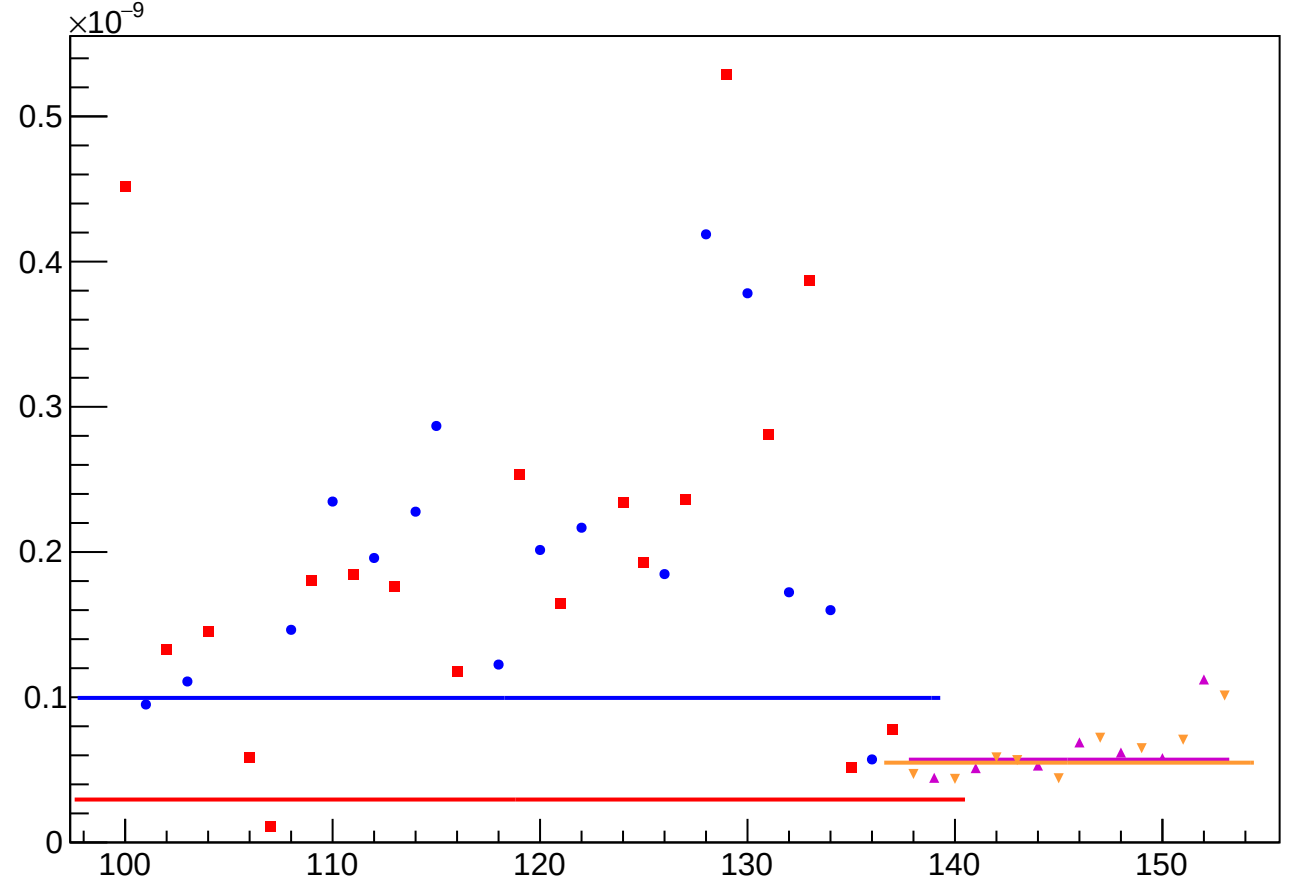
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 31.0/24

All: -0.000+/-0.000 χ^2/NDF: 54.8/50

- sign -0.000+/-0.000 χ^2/NDF: 23.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:322986.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

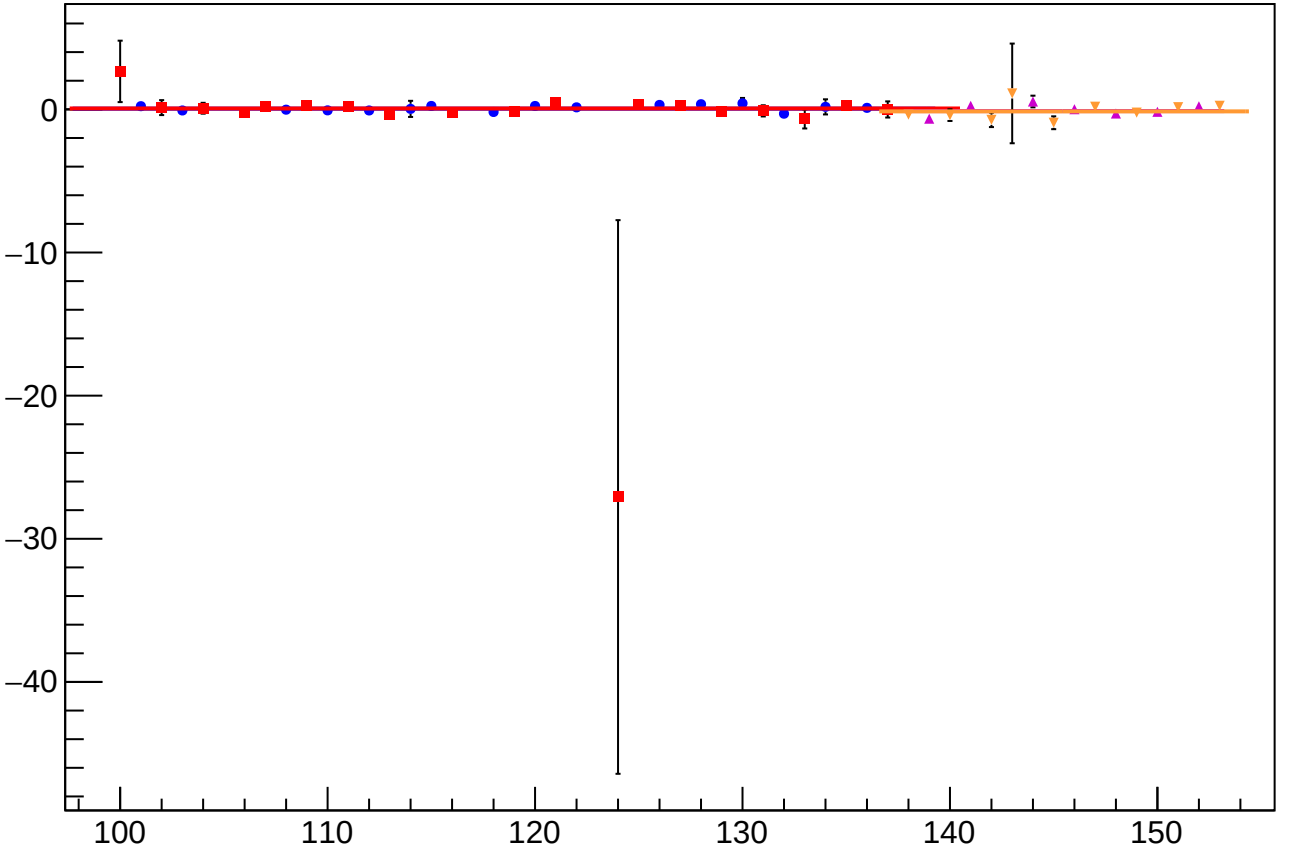
Left In: 0.000+/-0.000 χ^2/NDF:241190.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 2566930.7/24

All: 0.000+/-0.000 χ^2/NDF: 8409230.2/50

- sign 0.000+/-0.000 χ^2/NDF: 5180182.7/25

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.141+/-0.118 χ^2/NDF:9.5/8

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

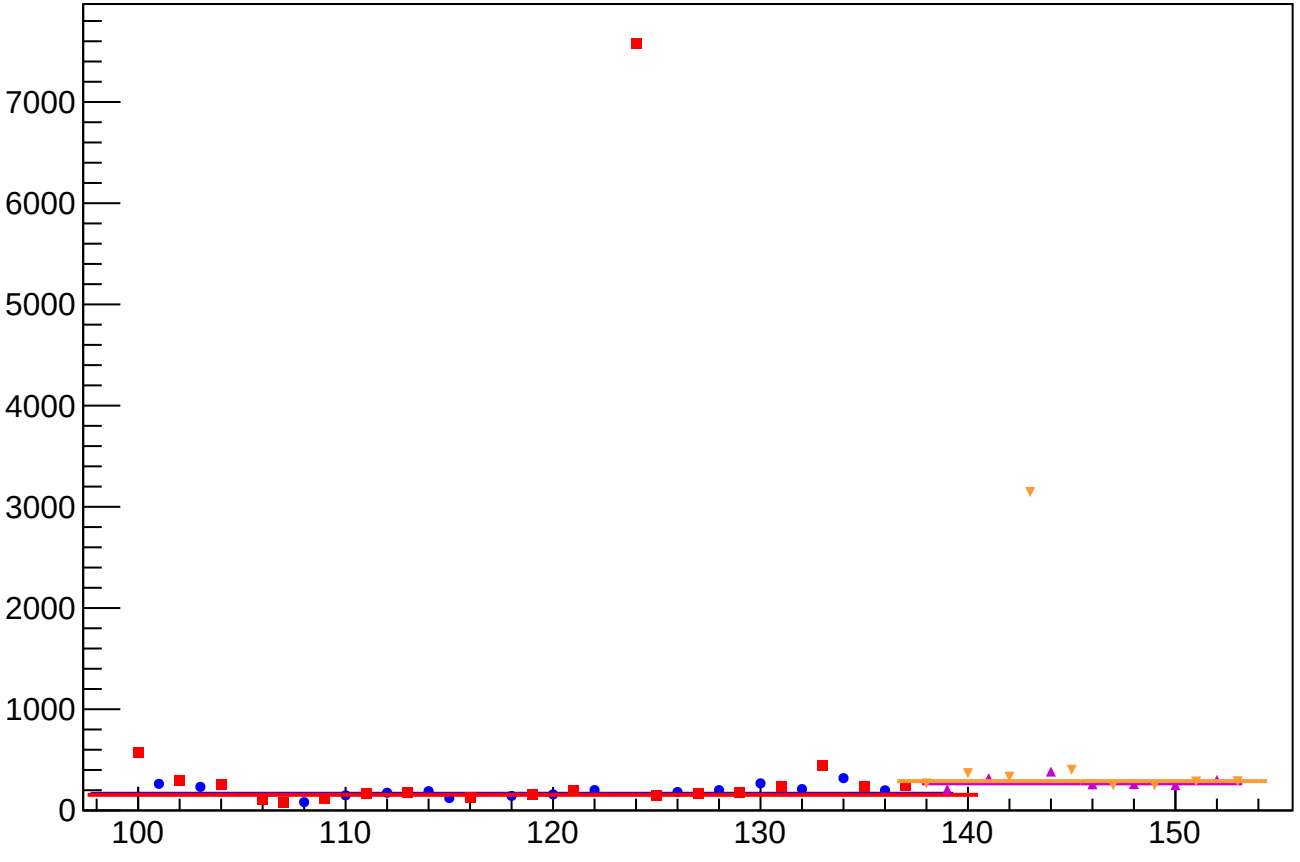
Left In: -0.119+/-0.111 χ^2/NDF:10.5/6

+ sign 0.002+/-0.058 χ^2/NDF: 19.1/24

All: 0.009+/-0.040 χ^2/NDF: 49.9/50

- sign 0.016+/-0.056 χ^2/NDF: 30.8/25

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 289.969+/-0.083 χ^2/NDF:1663260.7/8

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

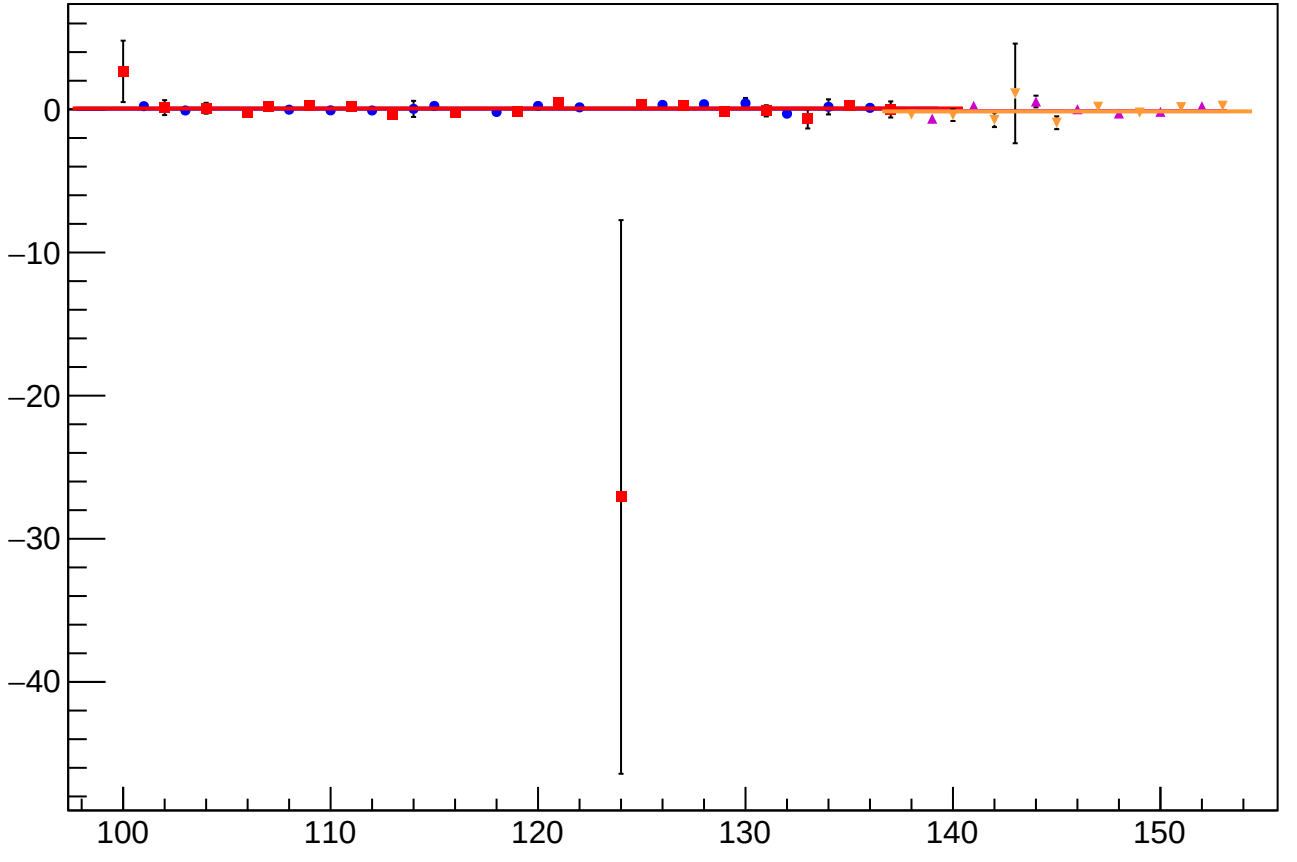
Left In: 267.812+/-0.079 χ^2/NDF:360722.8/6

+ sign 195.128+/-0.041 χ^2/NDF: 4855254.2/24

All: 188.802+/-0.028 χ^2/NDF: 8744426.6/50

- sign 182.929+/-0.039 χ^2/NDF: 3843010.6/25

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.141+/-0.118 χ^2/NDF:9.5/8

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

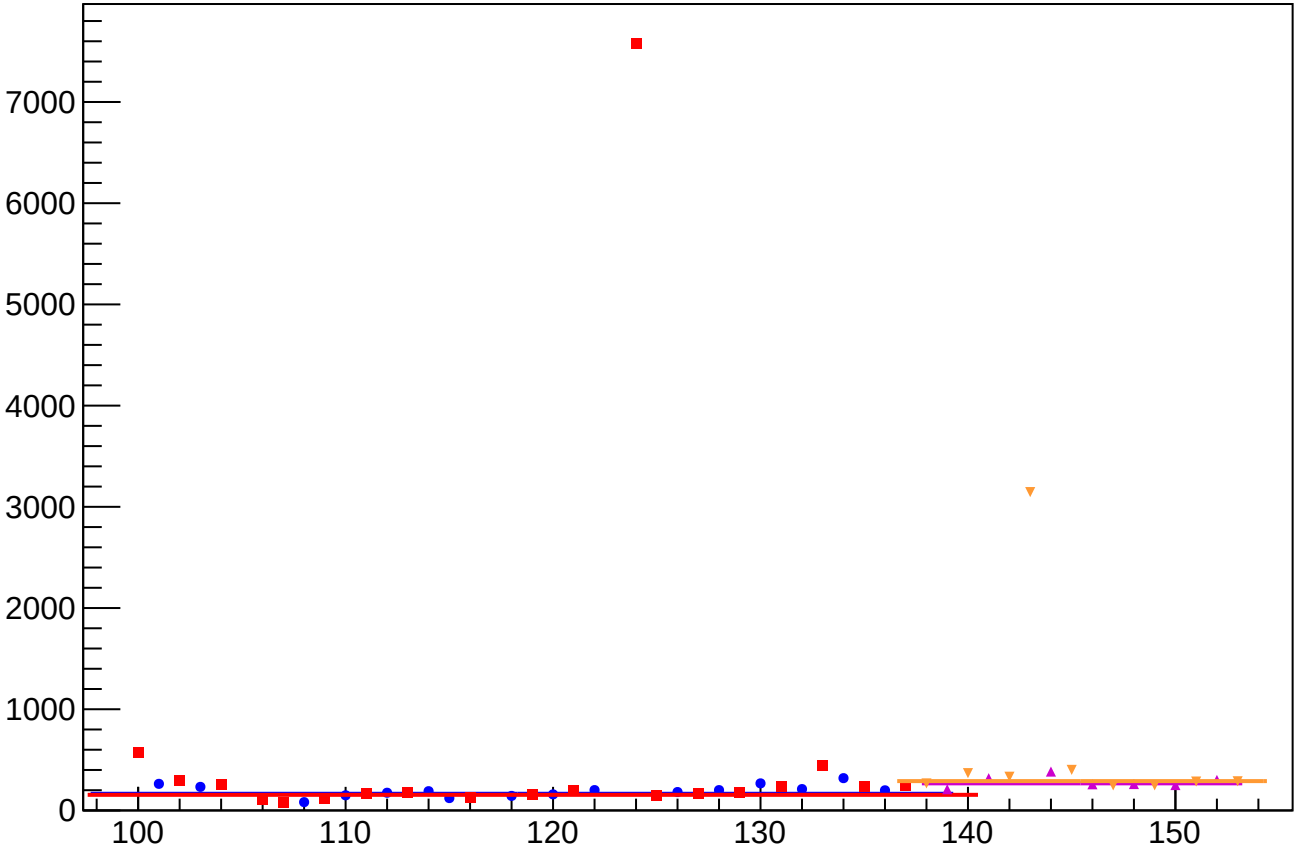
Left In: -0.119+/-0.111 χ^2/NDF:10.5/6

+ sign 0.002+/-0.058 χ^2/NDF: 19.1/24

All: 0.009+/-0.040 χ^2/NDF: 49.9/50

- sign 0.016+/-0.056 χ^2/NDF: 30.8/25

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 289.969+/-0.083 χ^2/NDF:1663260.7/8

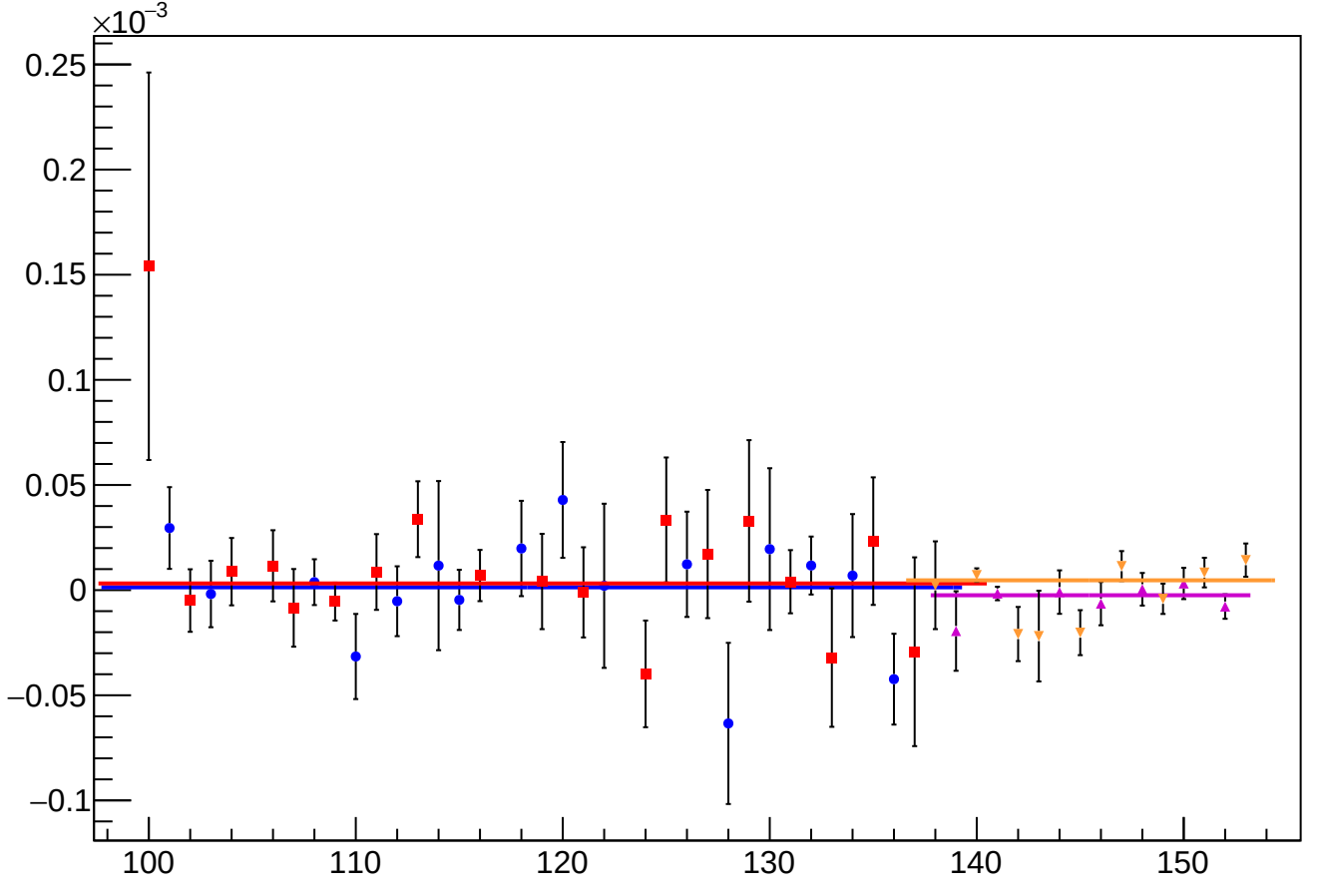
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.812+/-0.079 χ^2/NDF:360722.8/6

+ sign 195.128+/-0.041 χ^2/NDF: 4855254.2/24

All: 188.802+/-0.028 χ^2/NDF: 8744426.6/50

- sign 182.929+/-0.039 χ^2/NDF: 3843010.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/8

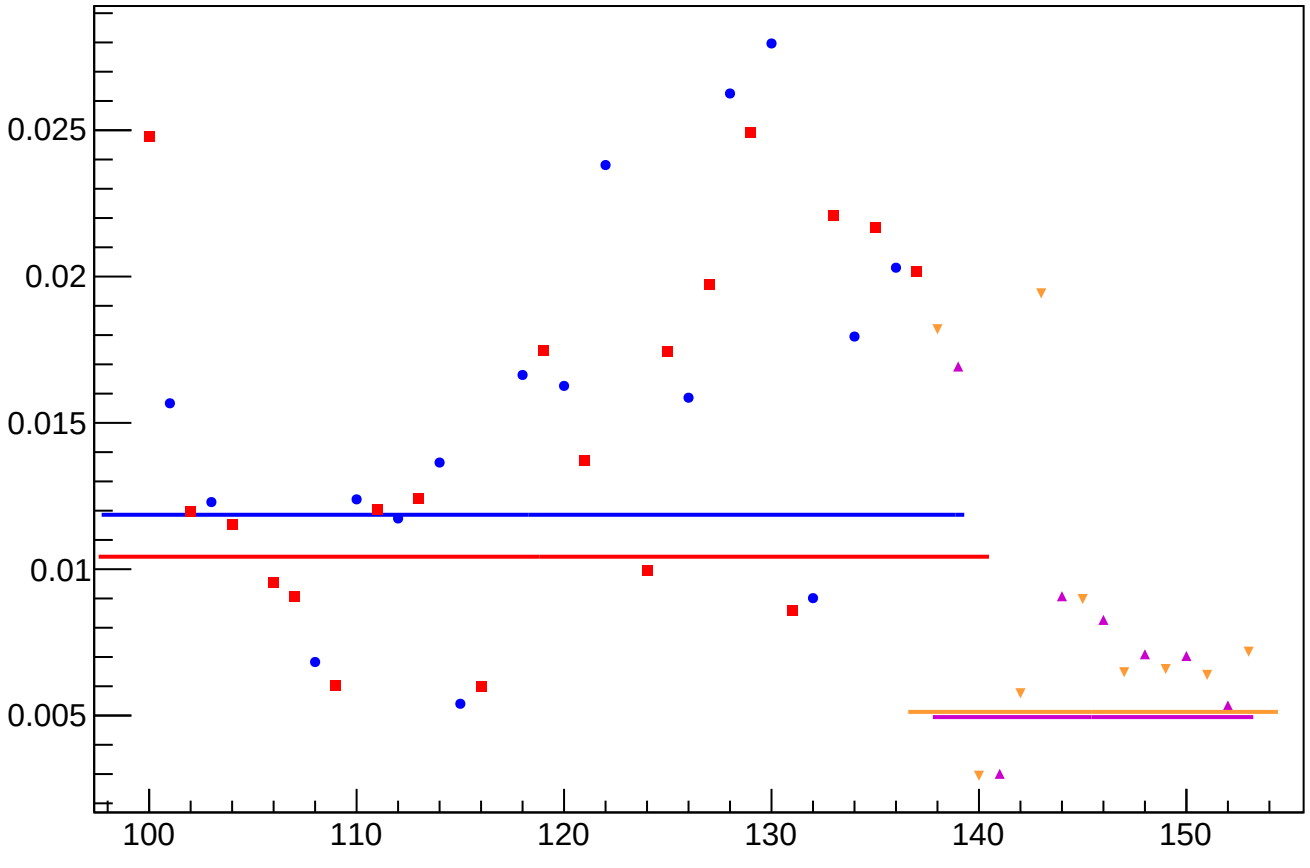
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 32.1/24

All: 0.000+/-0.000 χ^2/NDF: 53.9/50

- sign -0.000+/-0.000 χ^2/NDF: 18.5/25



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:3205879.2/8

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

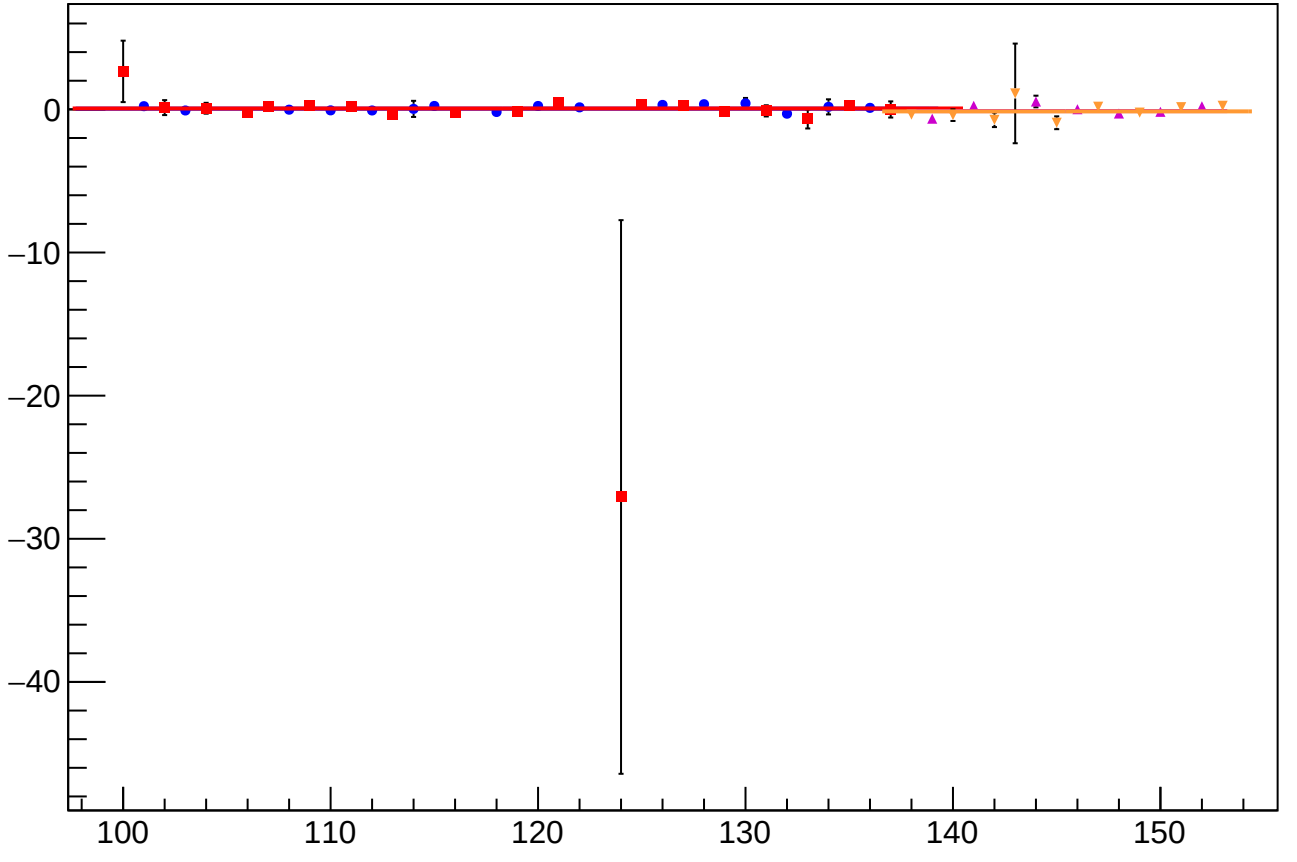
Left In: 0.005+/-0.000 χ^2/NDF:2381308.8/6

+ sign 0.006+/-0.000 χ^2/NDF: 8743780.2/24

All: 0.006+/-0.000 χ^2/NDF: 16048259.2/50

- sign 0.006+/-0.000 χ^2/NDF: 7301342.7/25

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.141+/-0.118 χ^2/NDF:9.5/8

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

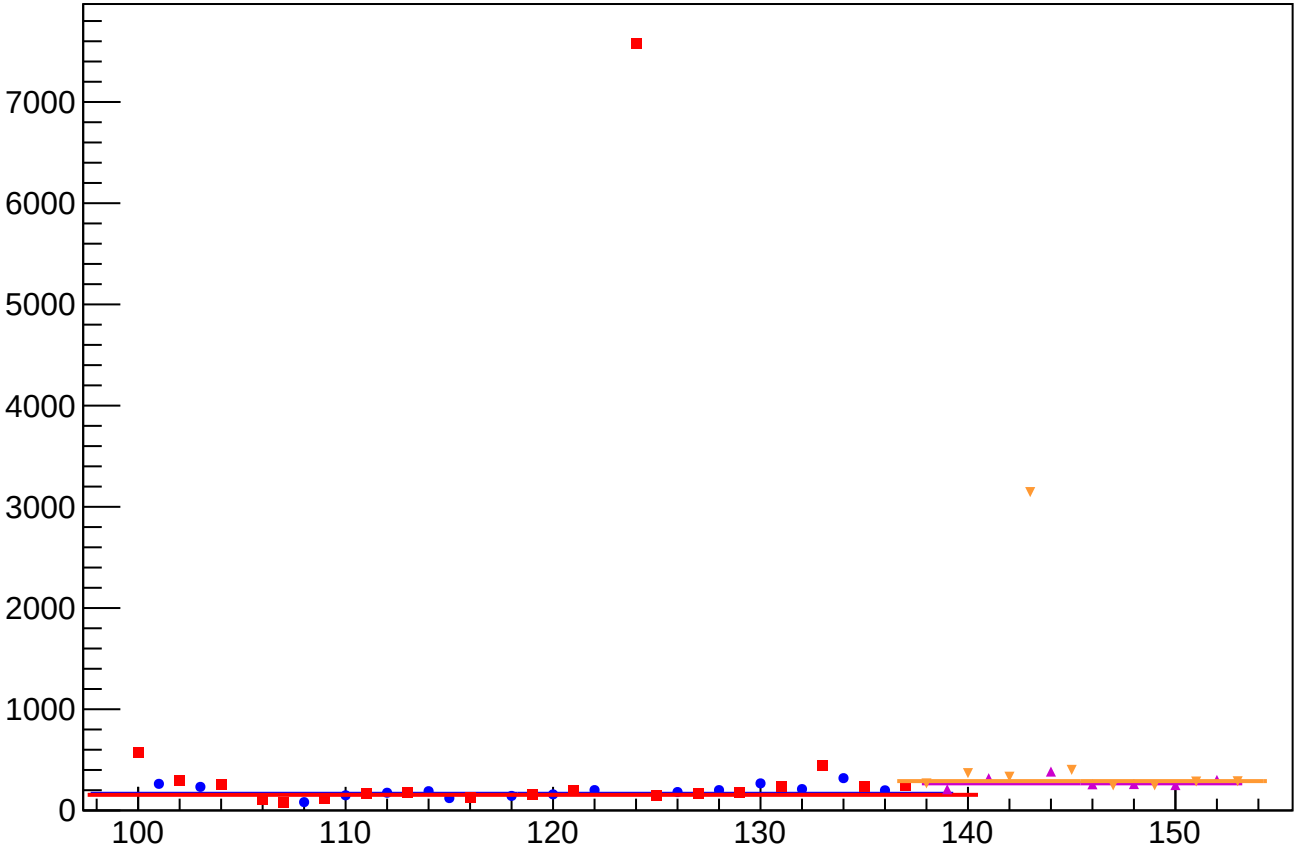
Left In: -0.119+/-0.111 χ^2/NDF:10.5/6

+ sign 0.002+/-0.058 χ^2/NDF: 19.1/24

All: 0.009+/-0.040 χ^2/NDF: 49.9/50

- sign 0.016+/-0.056 χ^2/NDF: 30.8/25

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 289.972+/-0.083 χ^2/NDF:1663240.7/8

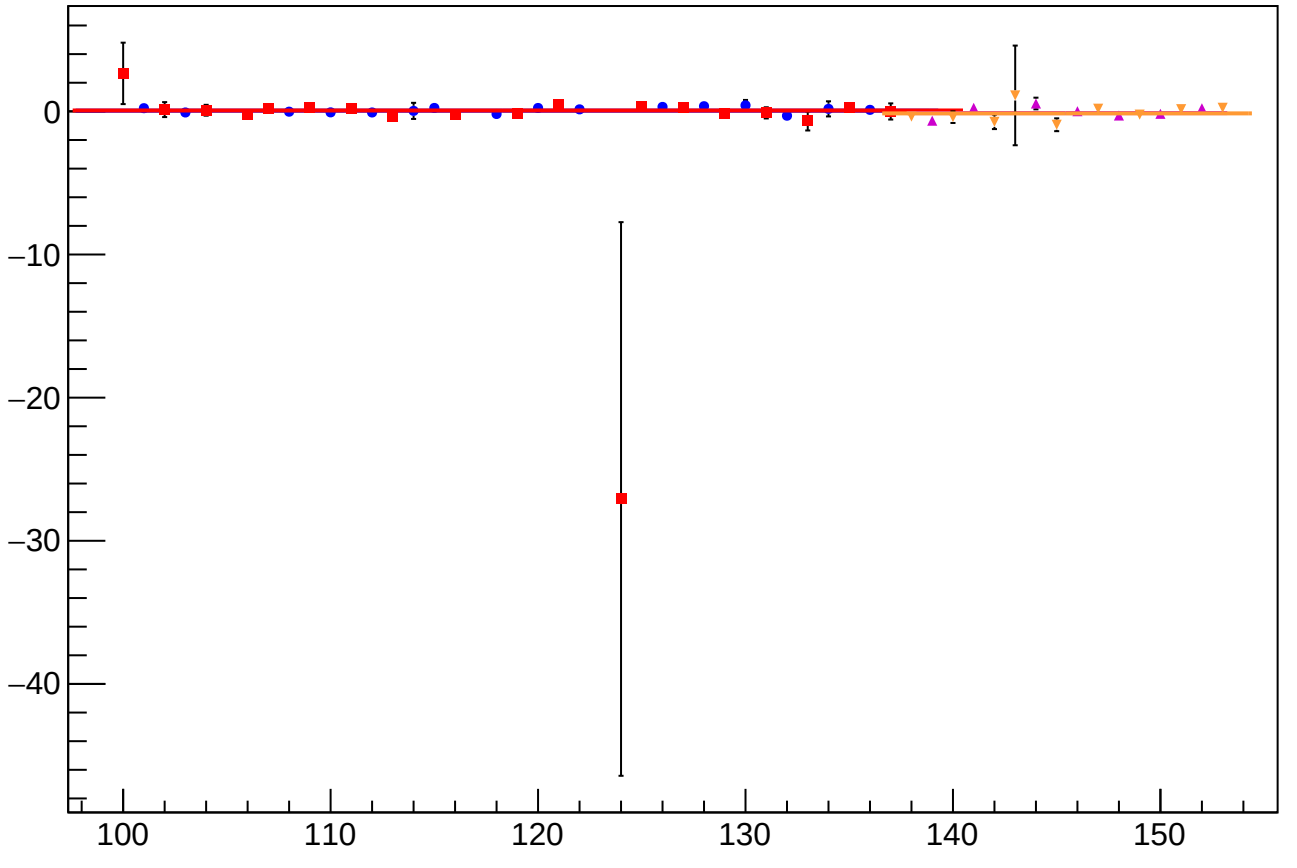
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.816+/-0.079 χ^2/NDF:360700.8/6

+ sign 195.128+/-0.041 χ^2/NDF: 4855285.0/24

All: 188.803+/-0.028 χ^2/NDF: 8744535.1/50

- sign 182.929+/-0.039 χ^2/NDF: 3843088.8/25



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.141+/-0.118 χ^2/NDF:9.5/8

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

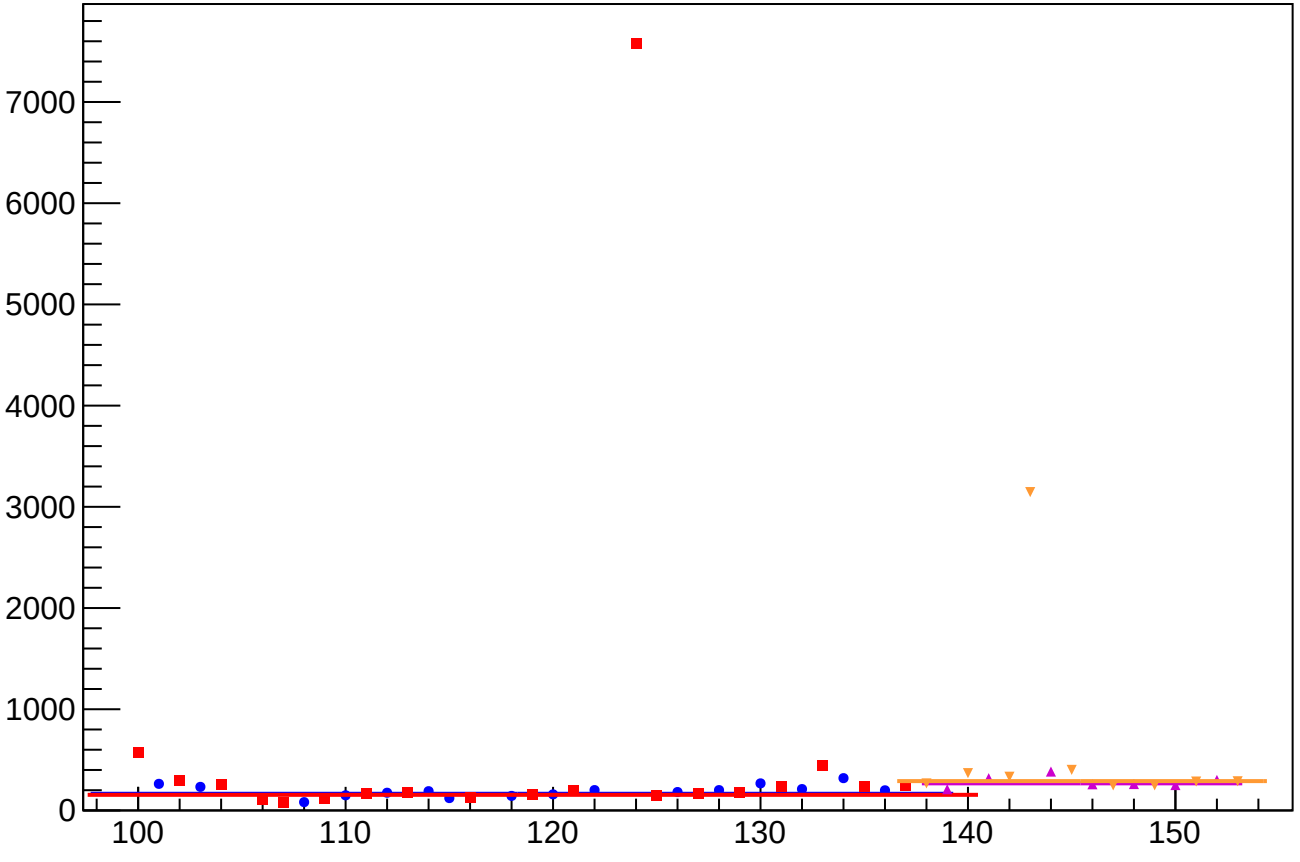
Left In: -0.119+/-0.111 χ^2/NDF:10.5/6

+ sign 0.002+/-0.058 χ^2/NDF: 19.1/24

All: 0.009+/-0.040 χ^2/NDF: 49.9/50

- sign 0.016+/-0.056 χ^2/NDF: 30.8/25

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 289.972+/-0.083 χ^2/NDF:1663240.7/8

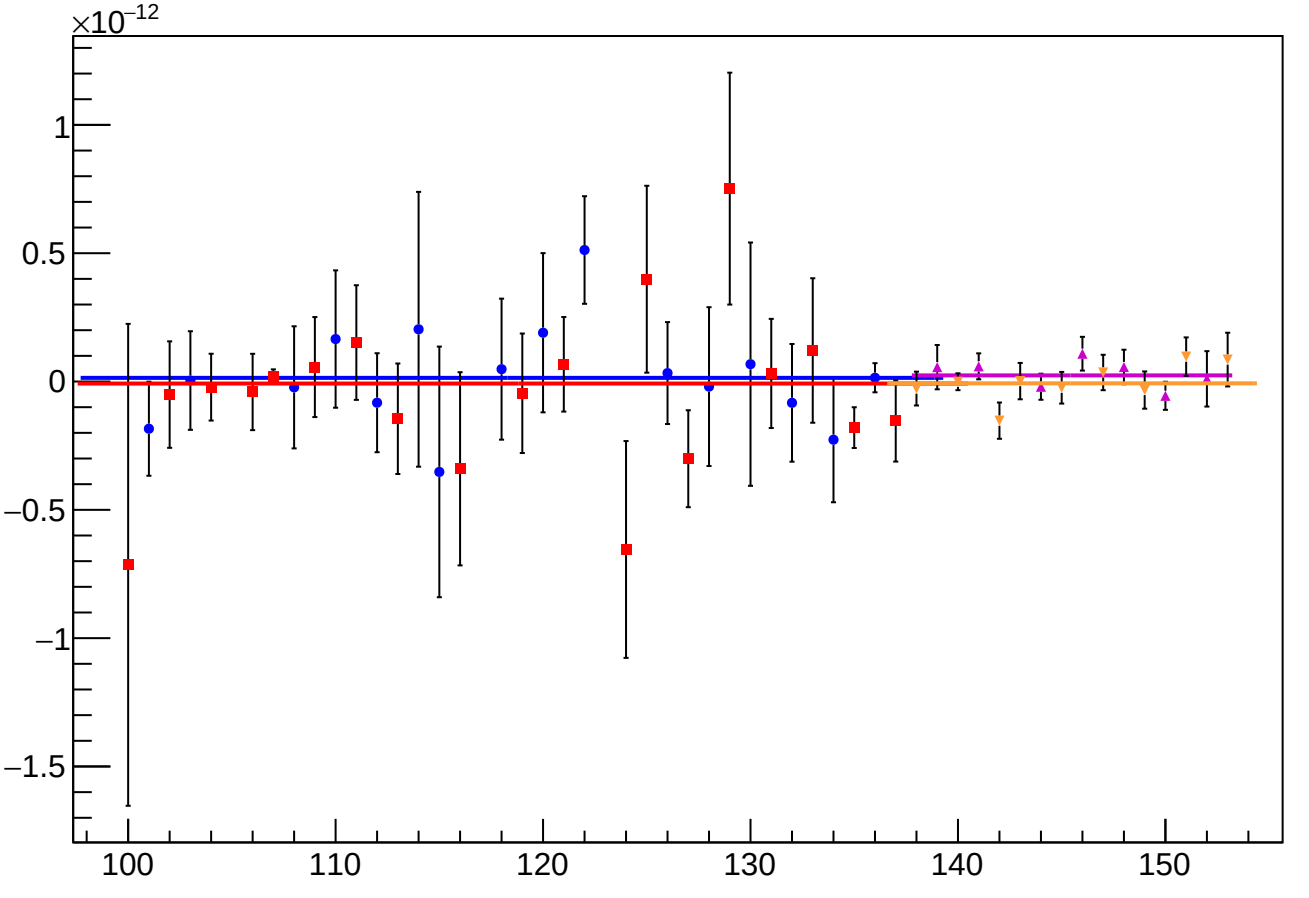
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.816+/-0.079 χ^2/NDF:360700.8/6

+ sign 195.128+/-0.041 χ^2/NDF: 4855285.0/24

All: 188.803+/-0.028 χ^2/NDF: 8744535.1/50

- sign 182.929+/-0.039 χ^2/NDF: 3843088.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/8

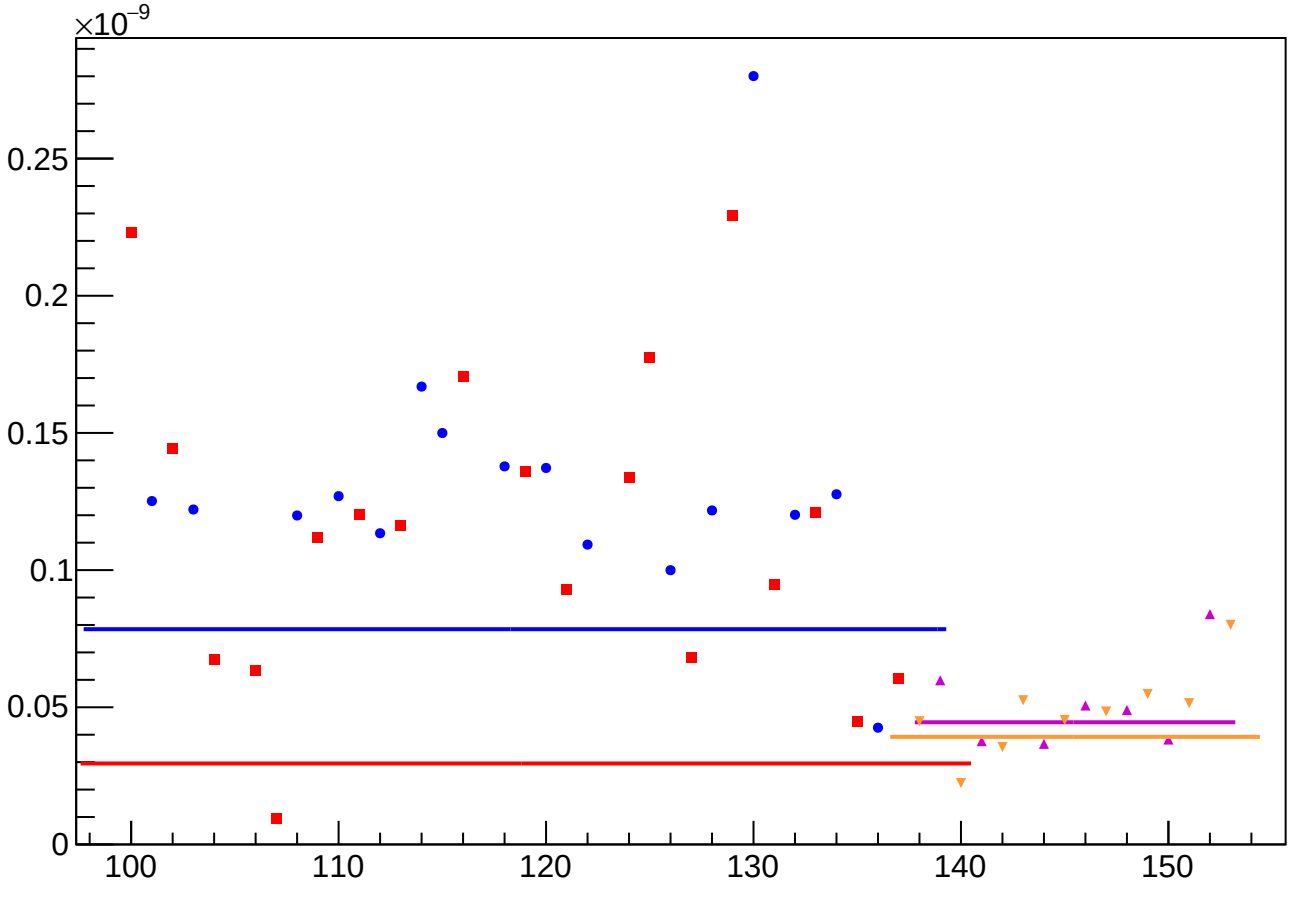
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 17.5/24

All: 0.000+/-0.000 χ^2/NDF: 42.4/50

- sign 0.000+/-0.000 χ^2/NDF: 24.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1125579.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

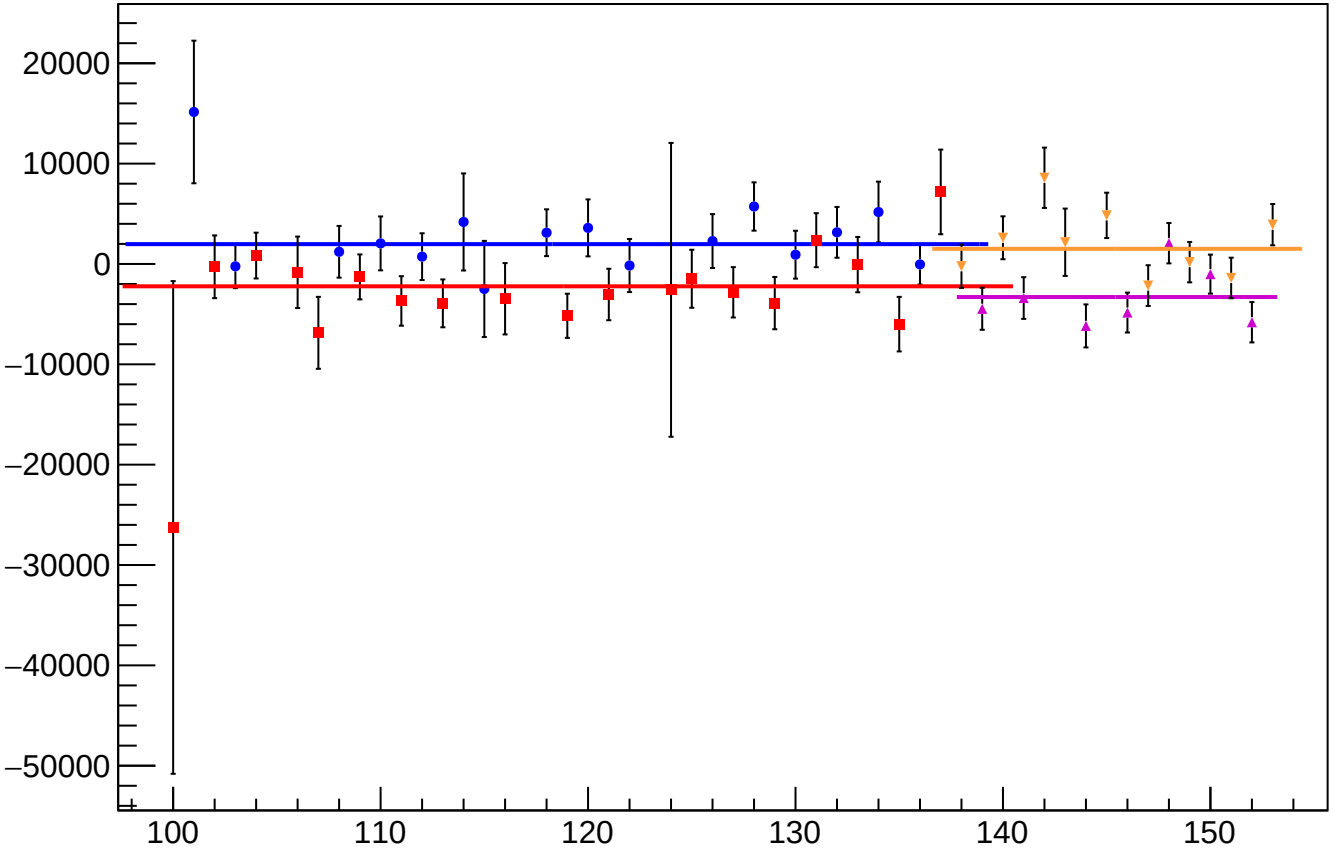
Left In: 0.000+/-0.000 χ^2/NDF:467357.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 4628520.6/24

All: 0.000+/-0.000 χ^2/NDF: 11305322.8/50

- sign 0.000+/-0.000 χ^2/NDF: 6370014.3/25

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1510.173+/-745.510 χ^2/NDF:15.8/8

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

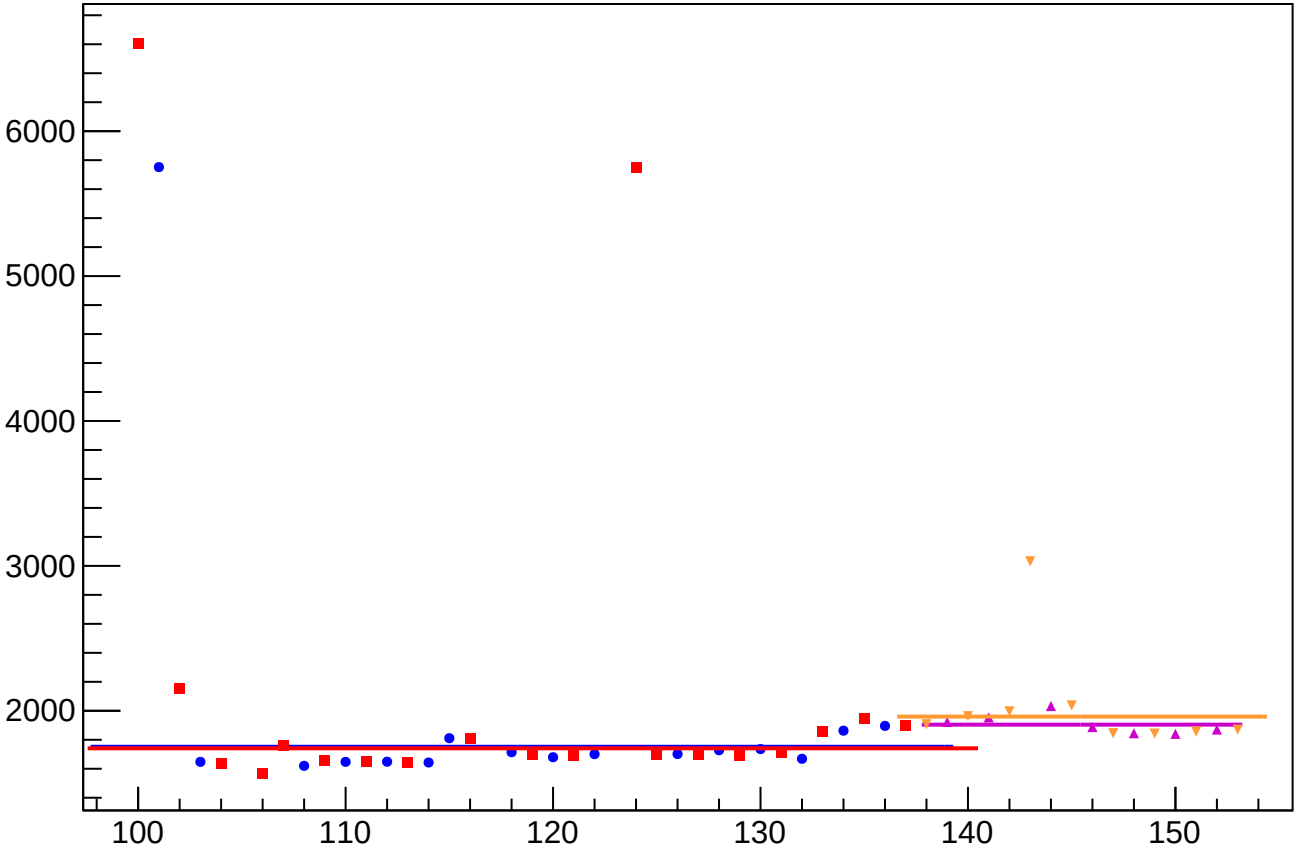
Left In: -3296.260+/-769.037 χ^2/NDF:12.8/6

+ sign 1768.820+/-497.381 χ^2/NDF: 28.1/24

All: -445.955+/-352.348 χ^2/NDF: 100.8/50

- sign -2677.092+/-499.215 χ^2/NDF: 32.9/25

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1960.044+/-0.527 χ^2/NDF:229971.0/8

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

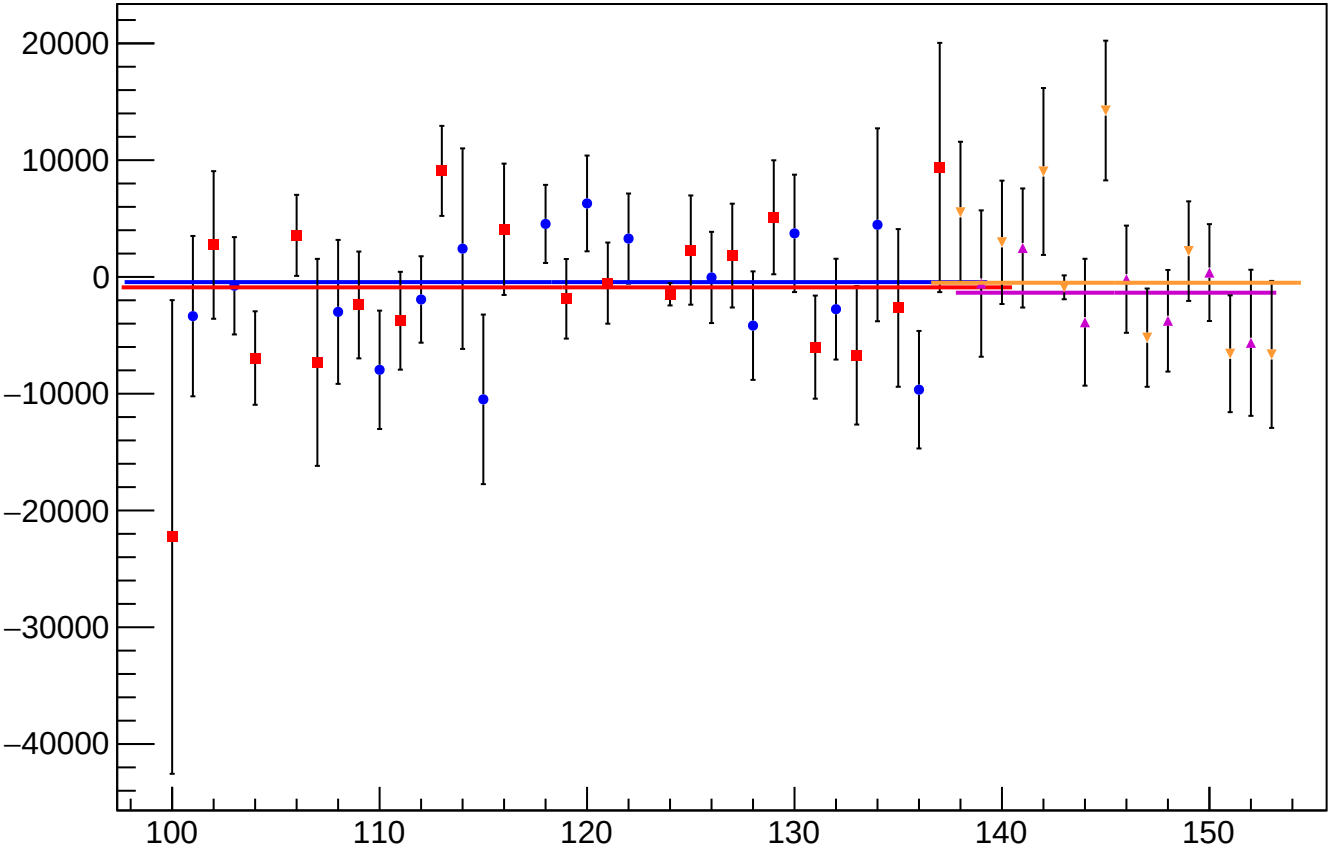
Left In: 1904.279+/-0.544 χ^2/NDF:13071.4/6

+ sign 1844.385+/-0.352 χ^2/NDF: 987374.1/24

All: 1826.805+/-0.249 χ^2/NDF: 1362550.7/50

- sign 1809.247+/-0.351 χ^2/NDF: 370182.6/25

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -498.588+/-896.545 χ^2/NDF:13.5/8

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

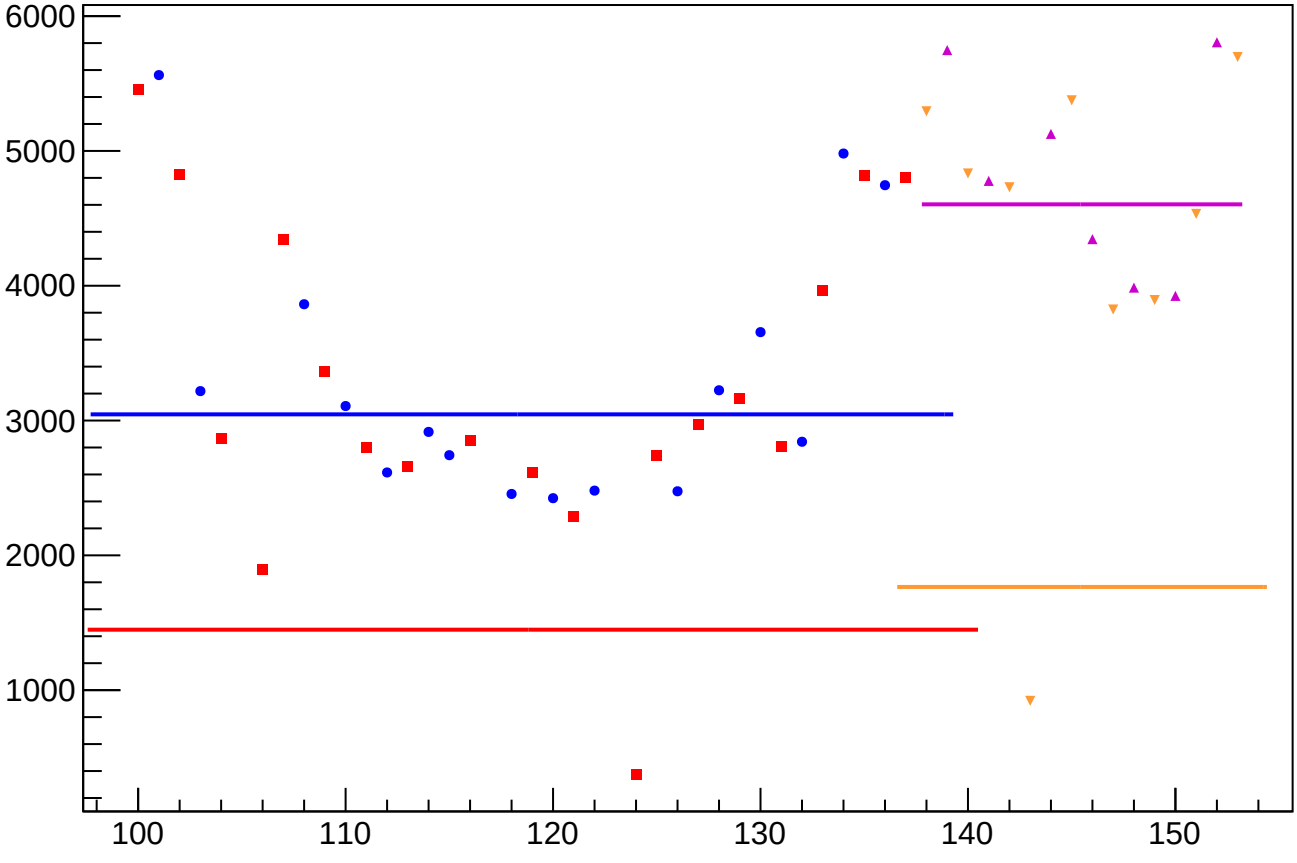
Left In: -1350.526+/-1884.046 χ^2/NDF:1.8/6

+ sign -478.590+/-712.635 χ^2/NDF: 29.4/24

All: -727.059+/-490.913 χ^2/NDF: 51.6/50

- sign -951.452+/-677.230 χ^2/NDF: 21.9/25

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1765.558+/-0.634 χ^2/NDF:6164176.8/8

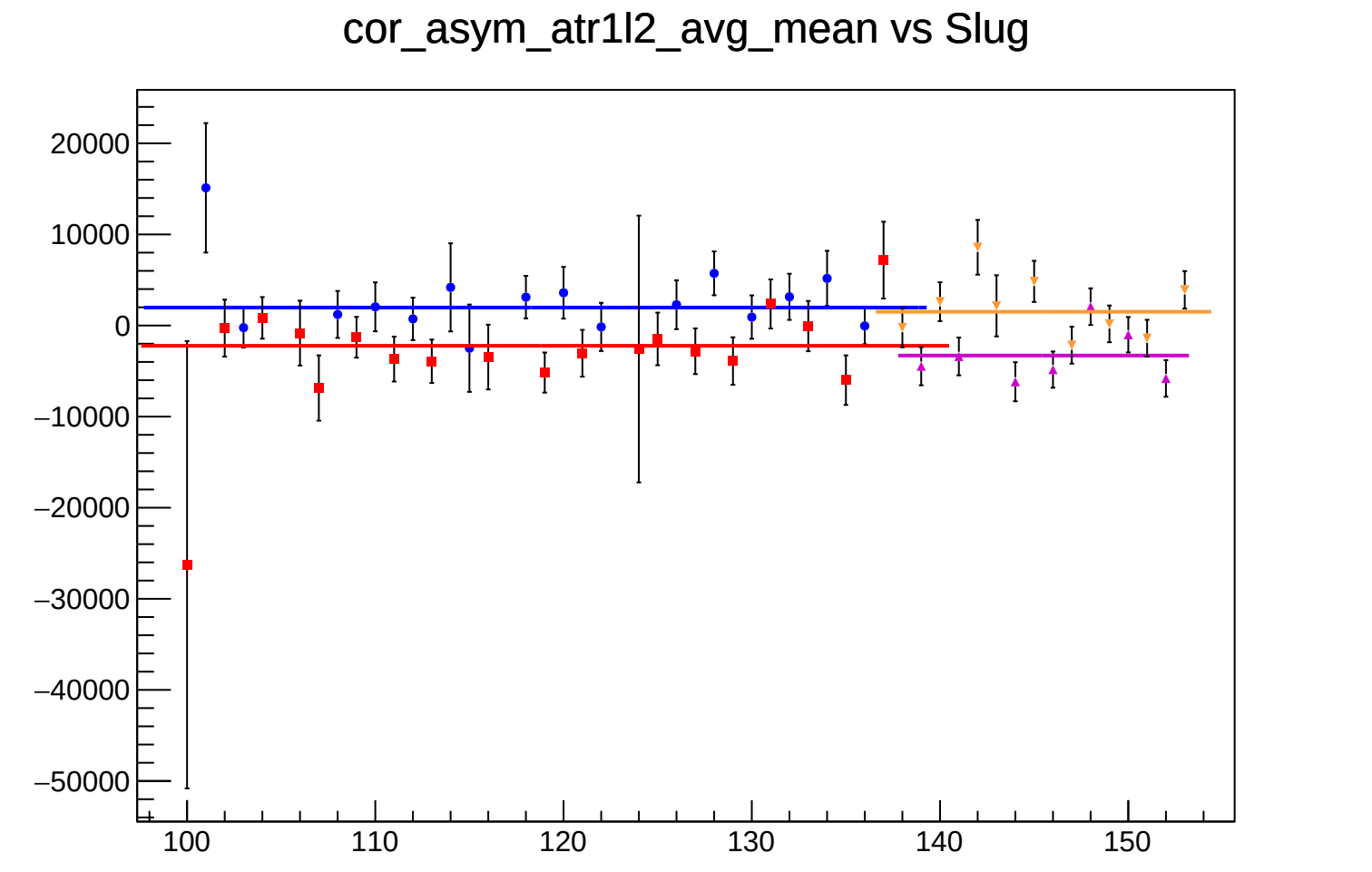
Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4603.728+/-1.332 χ^2/NDF:261568.9/6

+ sign 2236.967+/-0.504 χ^2/NDF: 8573374.6/24

All: 2036.889+/-0.347 χ^2/NDF: 20806364.9/5

- sign 1856.198+/-0.479 χ^2/NDF: 11932965.3/25



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1510.171+/-745.510 χ^2/NDF:15.8/8

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

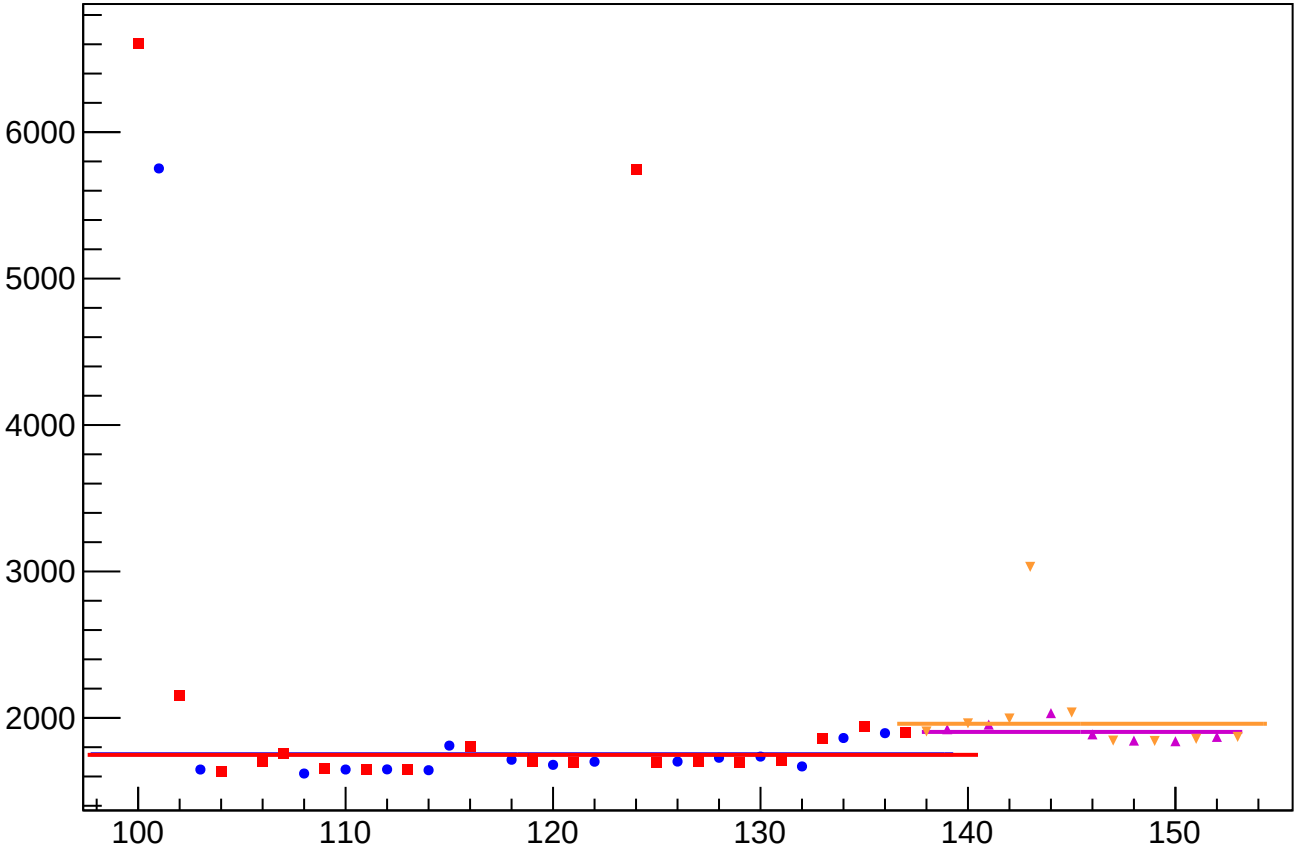
Left In: -3296.485+/-769.037 χ^2/NDF:12.8/6

+ sign 1768.623+/-497.381 χ^2/NDF: 28.1/24

All: -446.129+/-352.348 χ^2/NDF: 100.8/50

- sign -2677.243+/-499.215 χ^2/NDF: 32.9/25

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1960.044+/-0.527 χ^2/NDF:229971.0/8

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

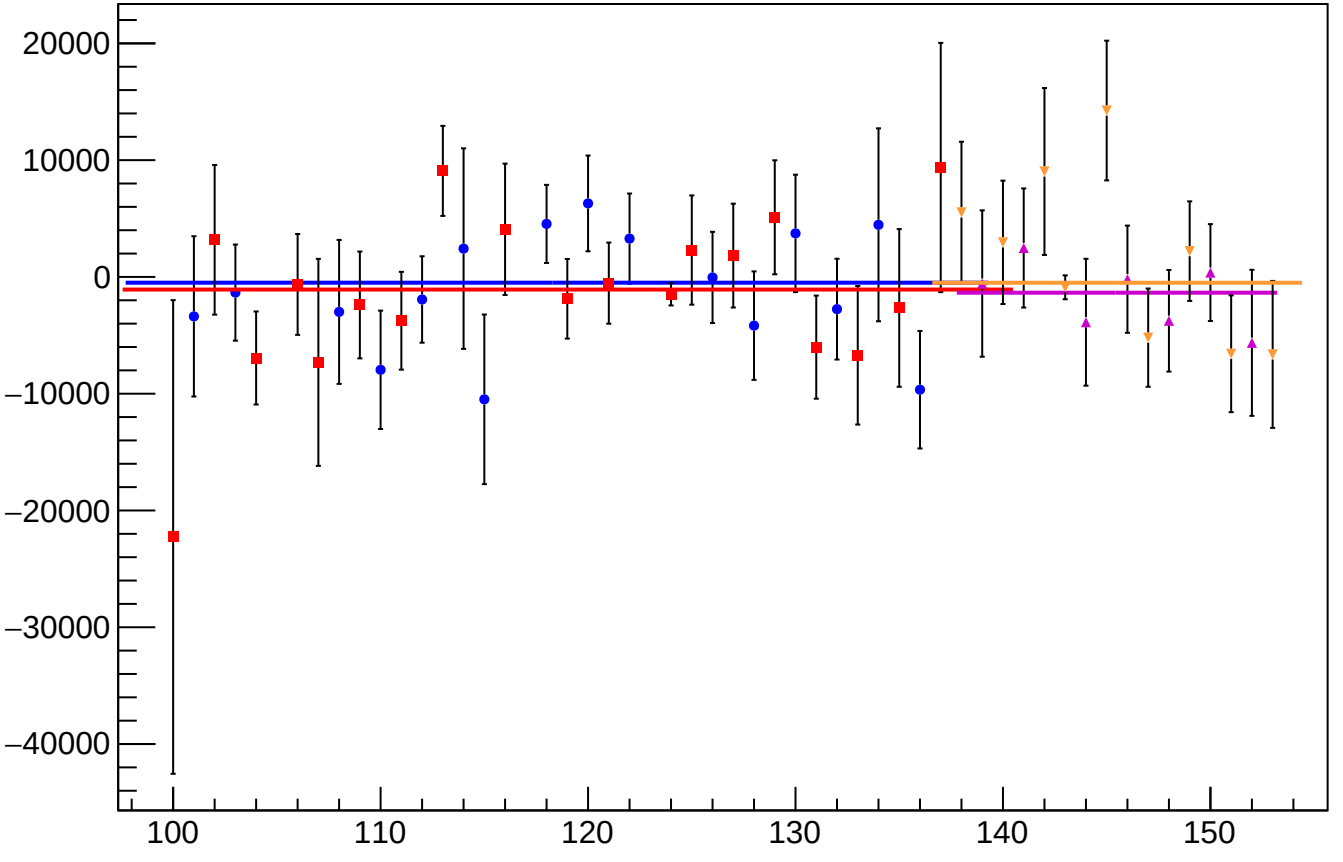
Left In: 1904.279+/-0.544 χ^2/NDF:13071.4/6

+ sign 1844.385+/-0.352 χ^2/NDF: 987374.6/24

All: 1828.938+/-0.249 χ^2/NDF: 1350298.4/50

- sign 1813.444+/-0.352 χ^2/NDF: 359059.8/25

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -498.404+/-896.516 χ^2/NDF:13.5/8

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

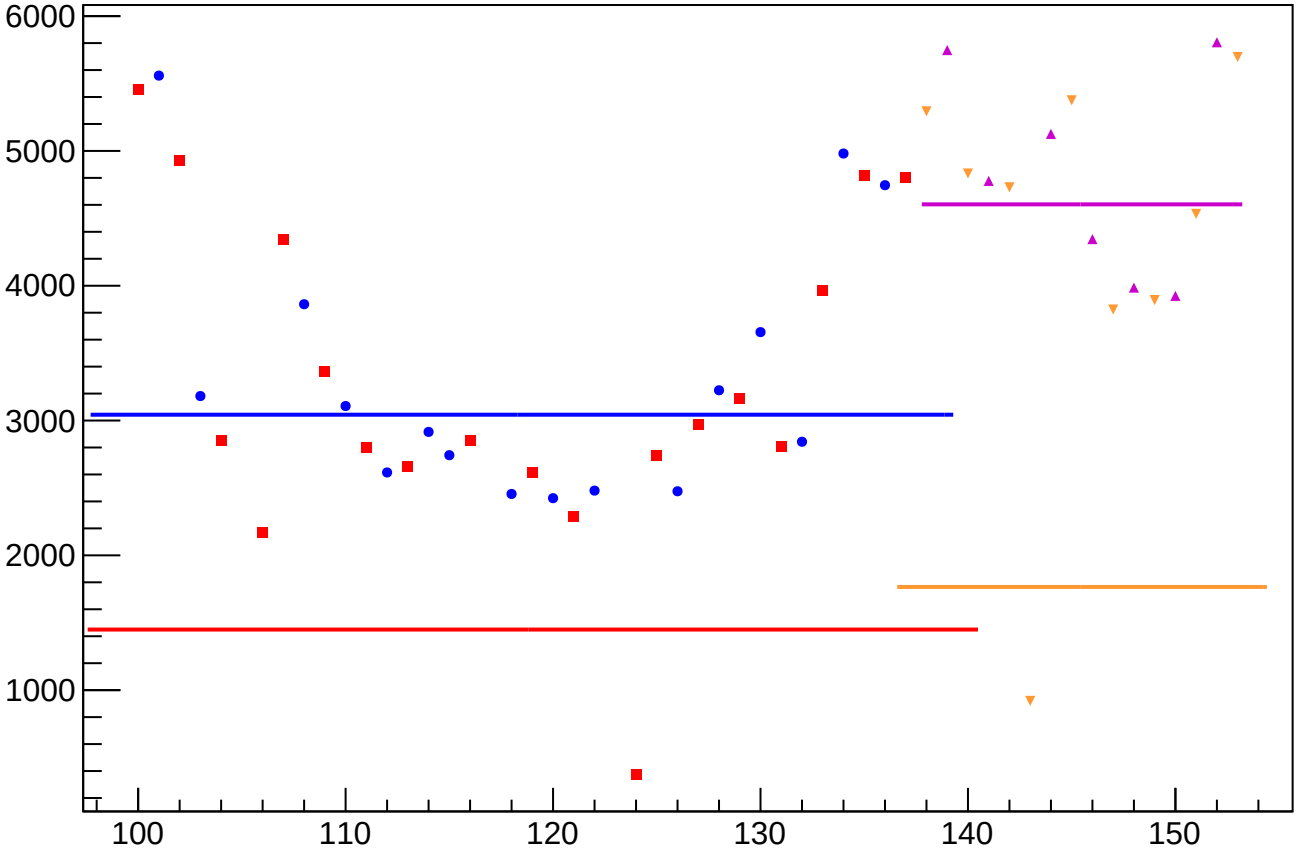
Left In: -1350.577+/-1884.046 χ^2/NDF:1.8/6

+ sign -496.381+/-712.350 χ^2/NDF: 29.5/24

All: -819.857+/-492.579 χ^2/NDF: 50.2/50

- sign -1116.245+/-681.872 χ^2/NDF: 20.3/25

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1765.476+/-0.634 χ^2/NDF:6164399.9/8

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

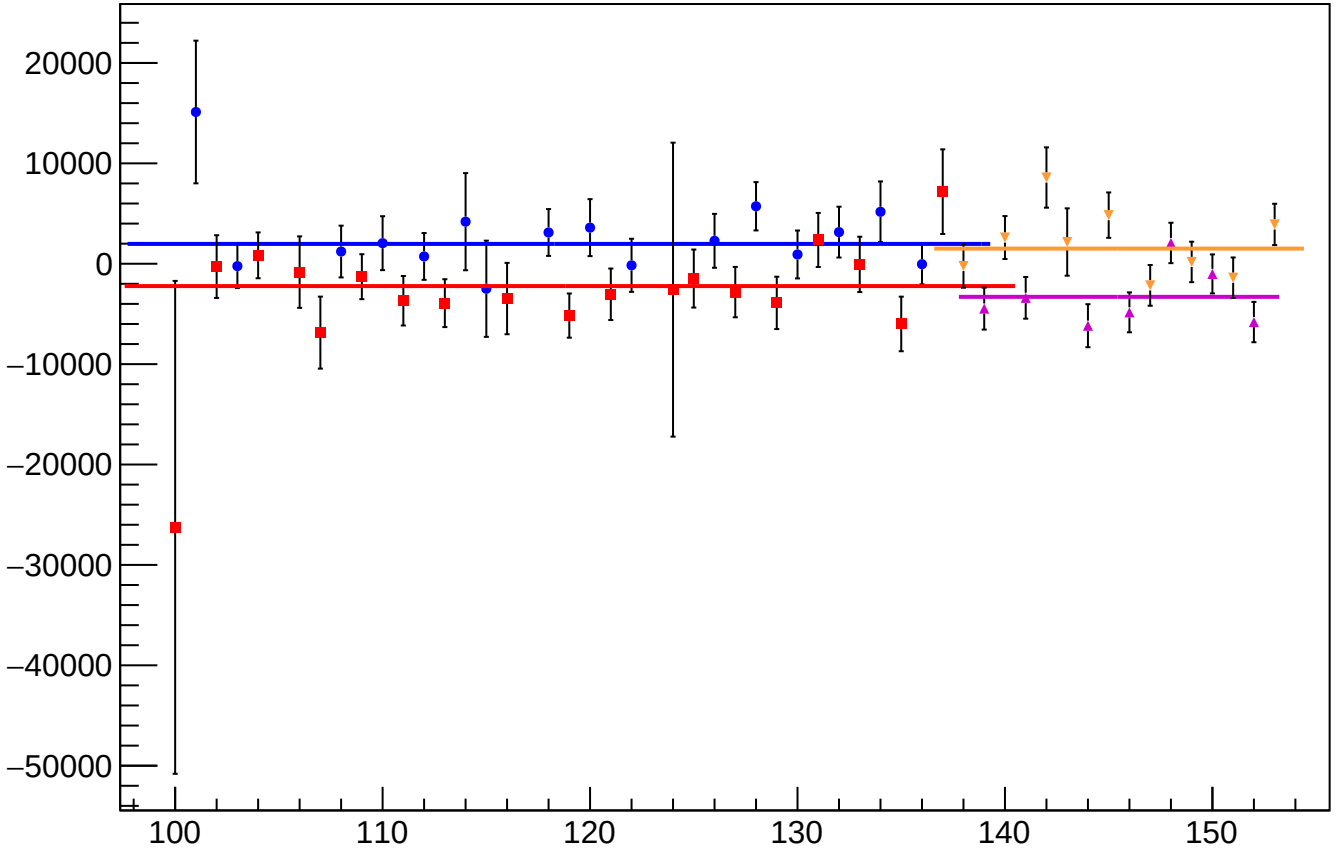
Left In: 4603.728+/-1.332 χ^2/NDF:261568.4/6

+ sign 2236.535+/-0.504 χ^2/NDF: 8567842.8/24

All: 2041.434+/-0.348 χ^2/NDF: 20814035.1/5

- sign 1862.672+/-0.482 χ^2/NDF: 11958708.6/25

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1510.171+/-745.510 χ^2/NDF:15.8/8

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

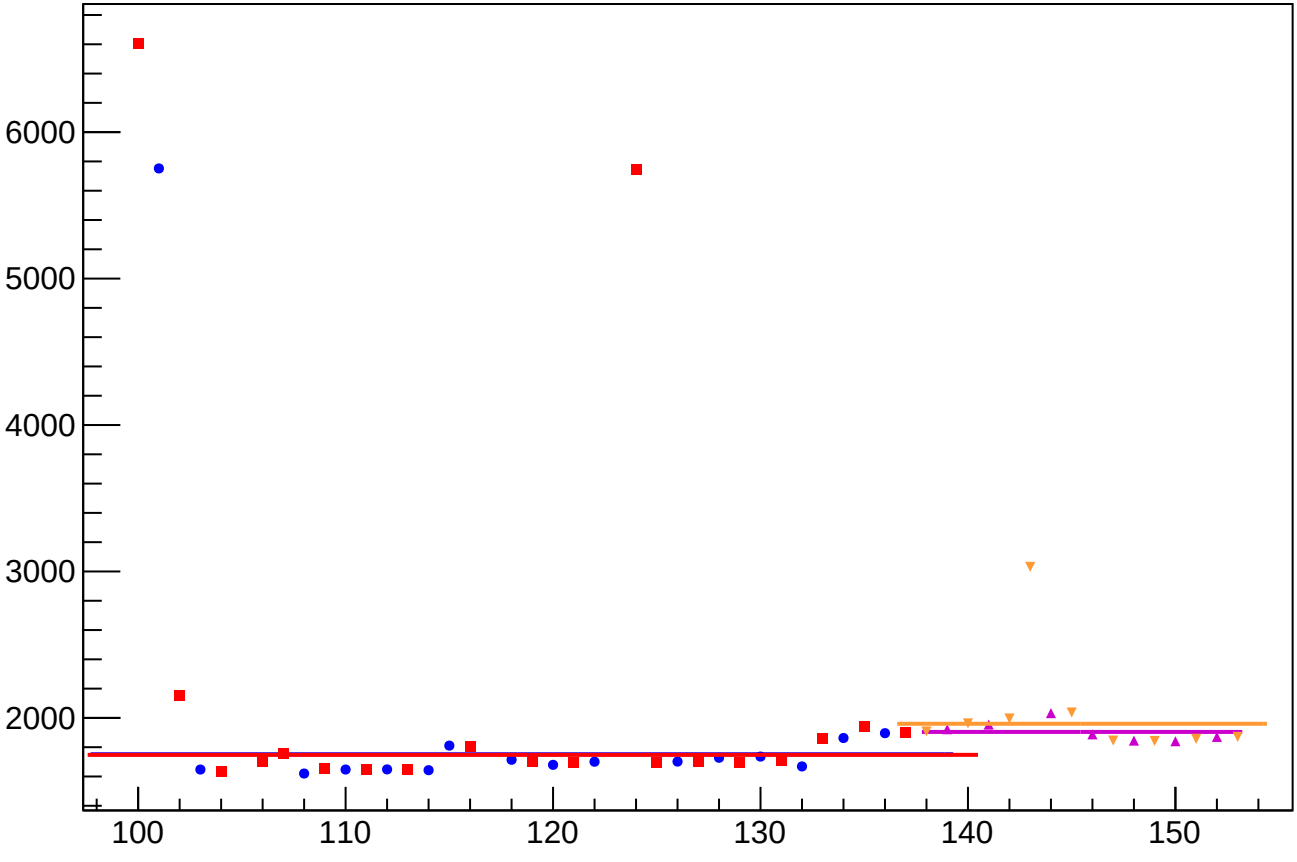
Left In: -3296.485+/-769.037 χ^2/NDF:12.8/6

+ sign 1768.623+/-497.381 χ^2/NDF: 28.1/24

All: -446.129+/-352.348 χ^2/NDF: 100.8/50

- sign -2677.243+/-499.215 χ^2/NDF: 32.9/25

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1960.044+/-0.527 χ^2/NDF:229971.0/8

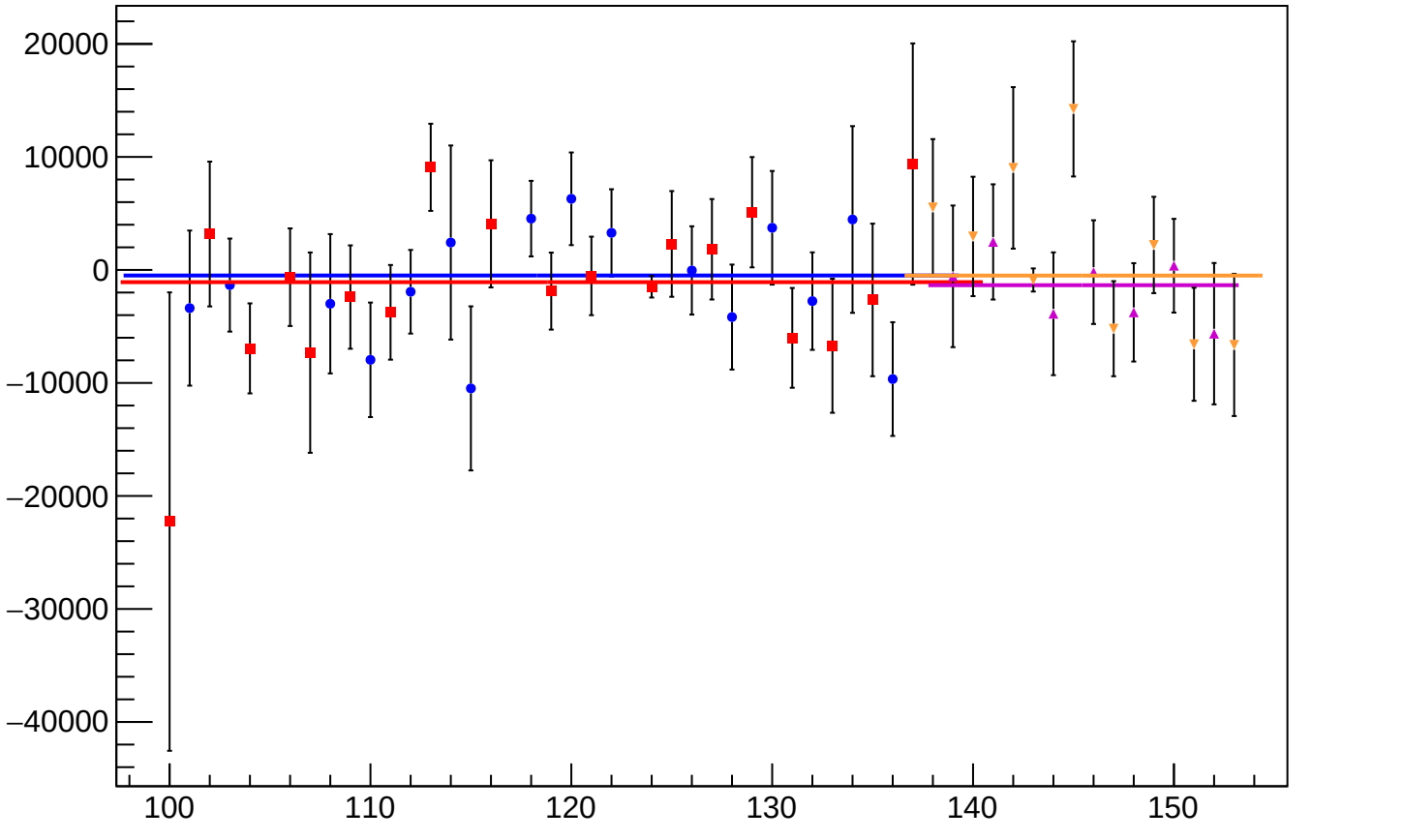
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1904.279+/-0.544 χ^2/NDF:13071.4/6

+ sign 1844.385+/-0.352 χ^2/NDF: 987374.6/24

All: 1828.938+/-0.249 χ^2/NDF: 1350298.4/50

- sign 1813.444+/-0.352 χ^2/NDF: 359059.8/25



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -498.404+/-896.516 χ^2/NDF:13.5/8

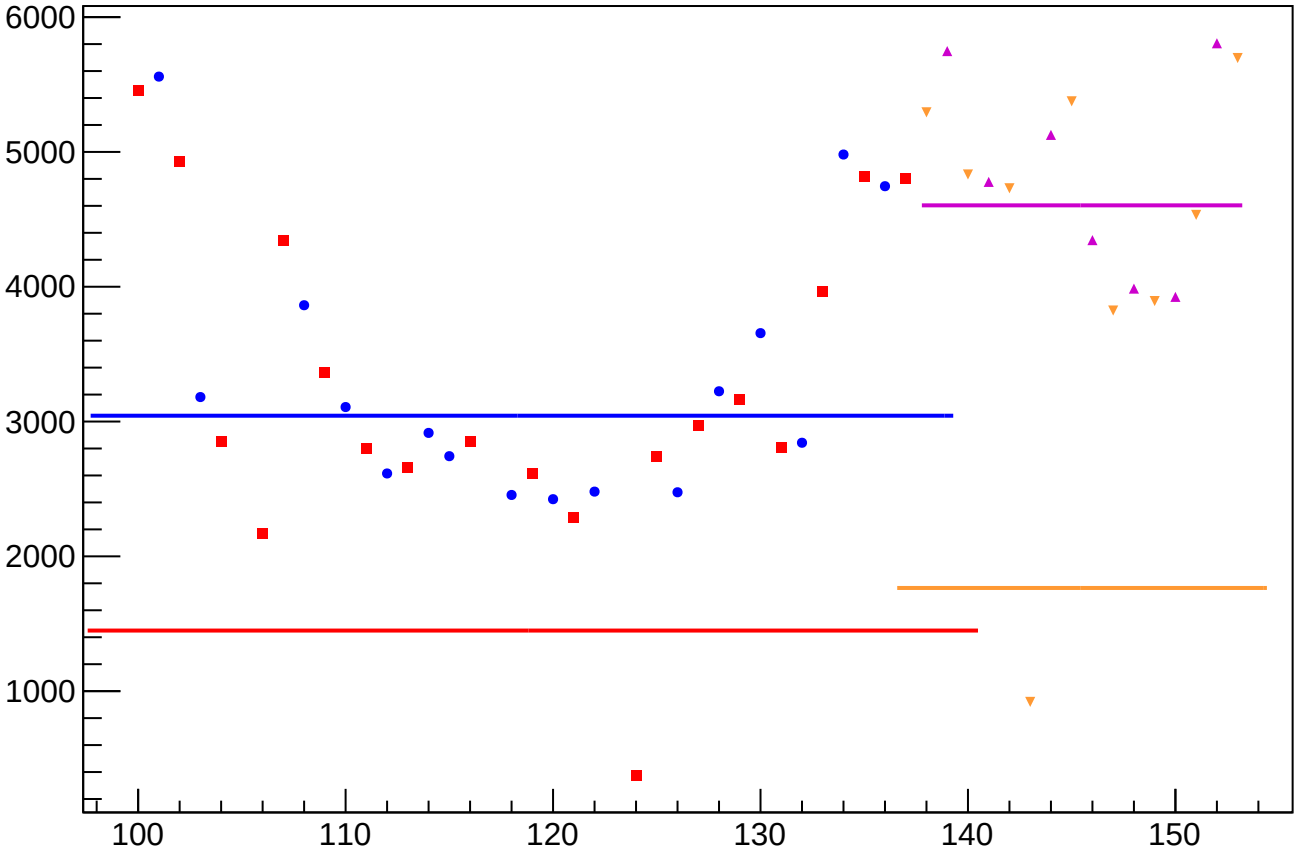
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -1350.577+/-1884.046 χ^2/NDF:1.8/6

+ sign -496.381+/-712.350 χ^2/NDF: 29.5/24

All: -819.857+/-492.579 χ^2/NDF: 50.2/50

- sign -1116.245+/-681.872 χ^2/NDF: 20.3/25



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1765.476+/-0.634 χ^2/NDF:6164399.9/8

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

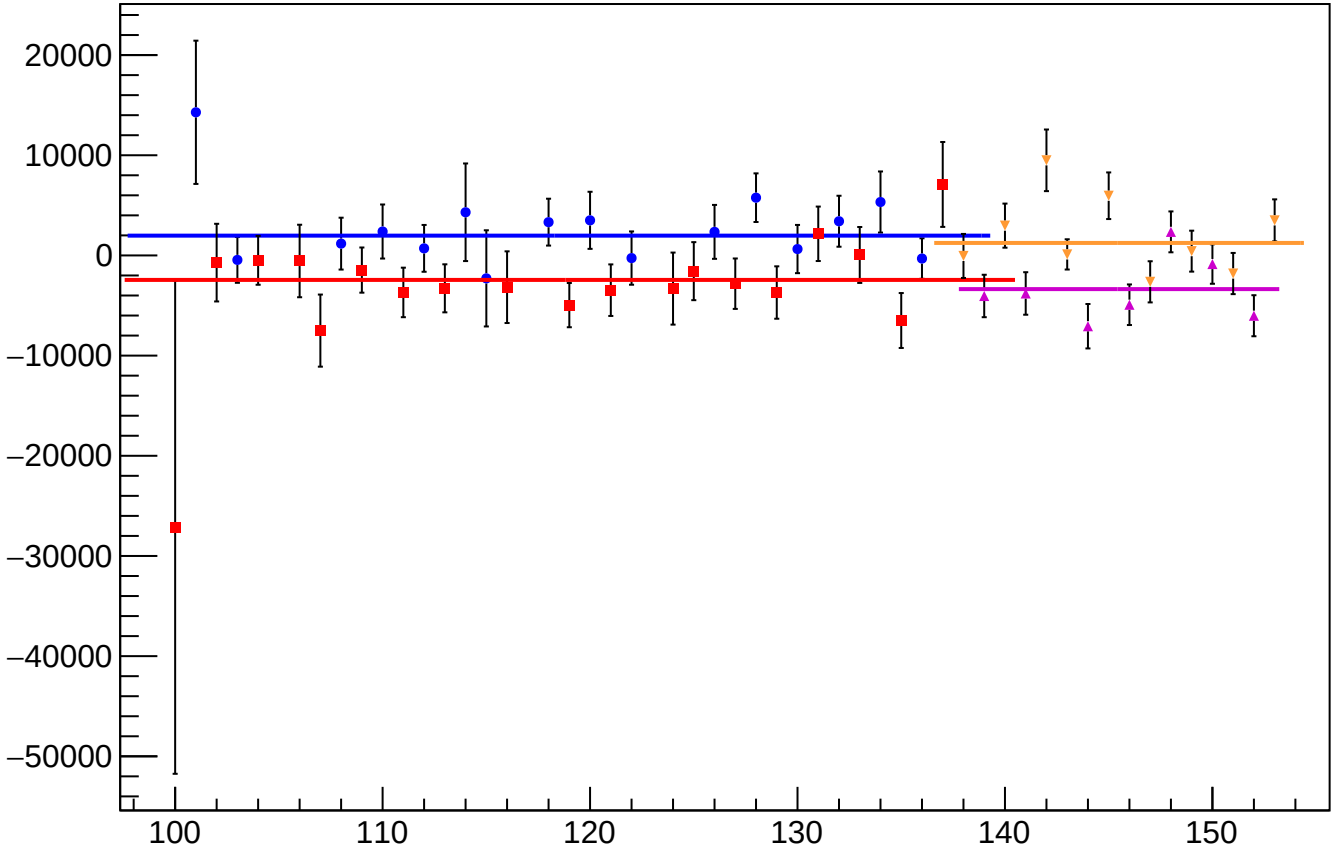
Left In: 4603.728+/-1.332 χ^2/NDF:261568.4/6

+ sign 2236.535+/-0.504 χ^2/NDF: 8567842.8/24

All: 2041.434+/-0.348 χ^2/NDF: 20814035.1/5

- sign 1862.672+/-0.482 χ^2/NDF: 11958708.6/25

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1247.538+/-692.879 χ^2/NDF:19.9/8

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

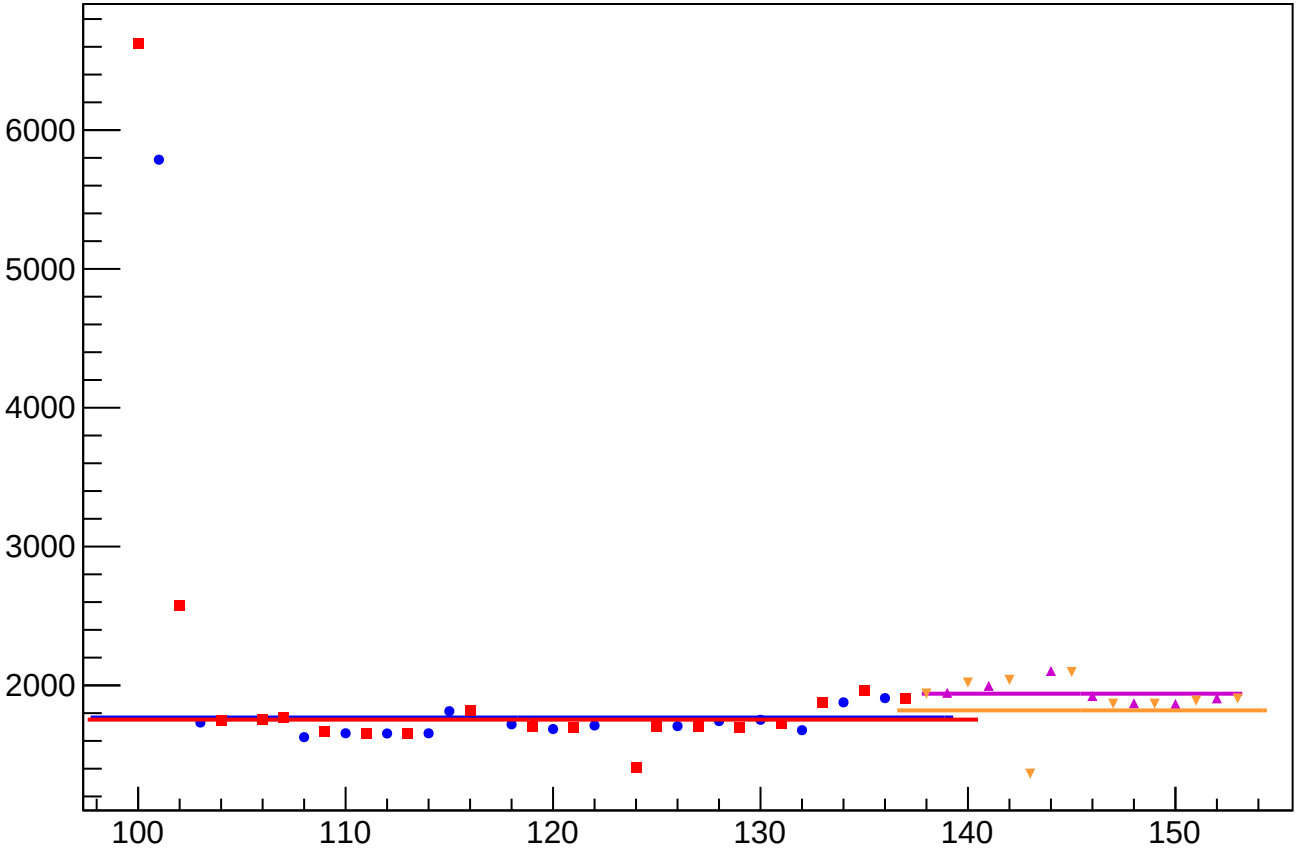
Left In: -3361.276+/-783.734 χ^2/NDF:14.7/6

+ sign 1621.681+/-483.158 χ^2/NDF: 32.9/24

All: -507.823+/-348.713 χ^2/NDF: 106.4/50

- sign -2823.148+/-503.798 χ^2/NDF: 32.9/25

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1820.000+/-0.490 χ^2/NDF:251217.1/8

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

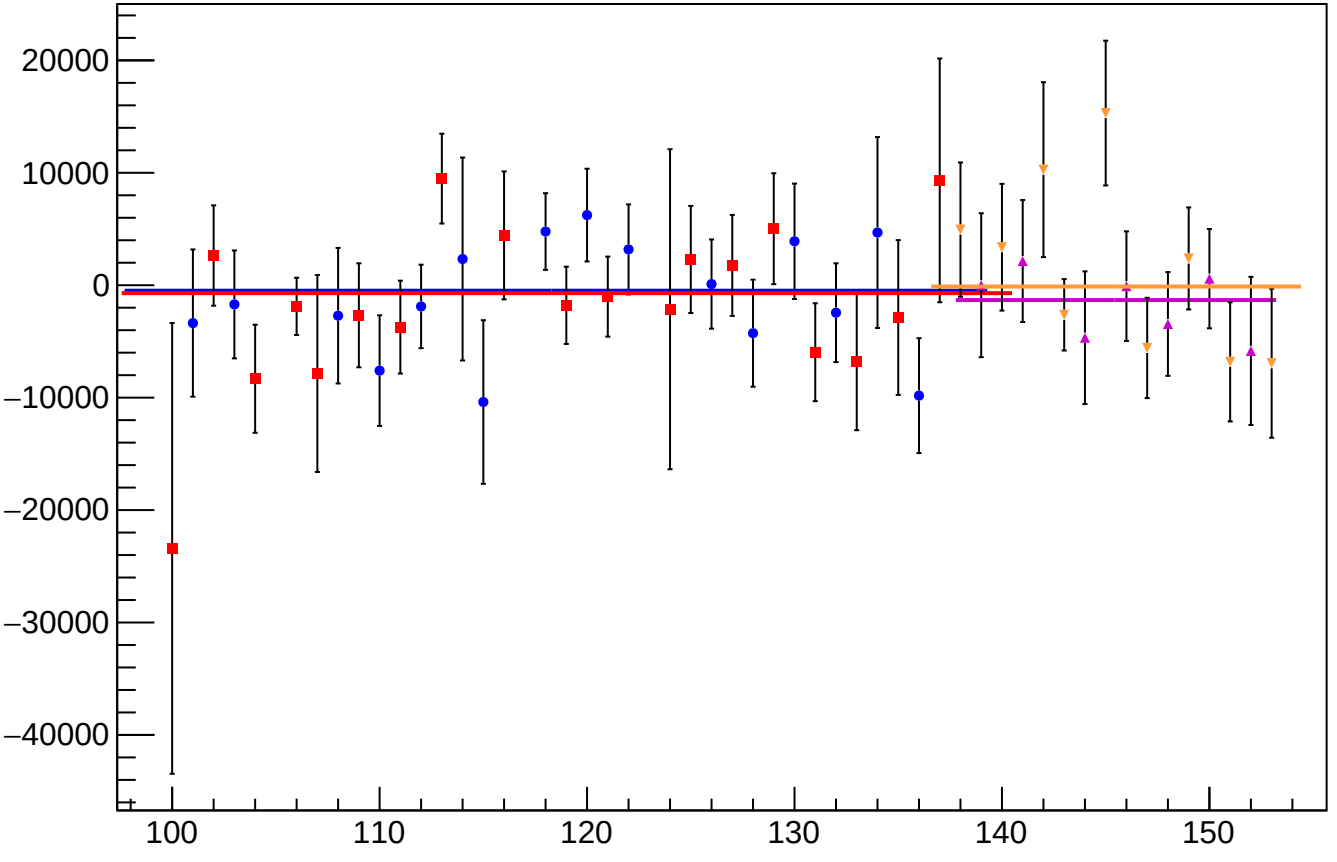
Left In: 1940.184+/-0.554 χ^2/NDF:18042.3/6

+ sign 1793.532+/-0.342 χ^2/NDF: 924265.3/24

All: 1811.191+/-0.246 χ^2/NDF: 1233555.9/50

- sign 1830.331+/-0.356 χ^2/NDF: 303723.2/25

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -116.216+/-1675.103 χ^2/NDF:13.7/8

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

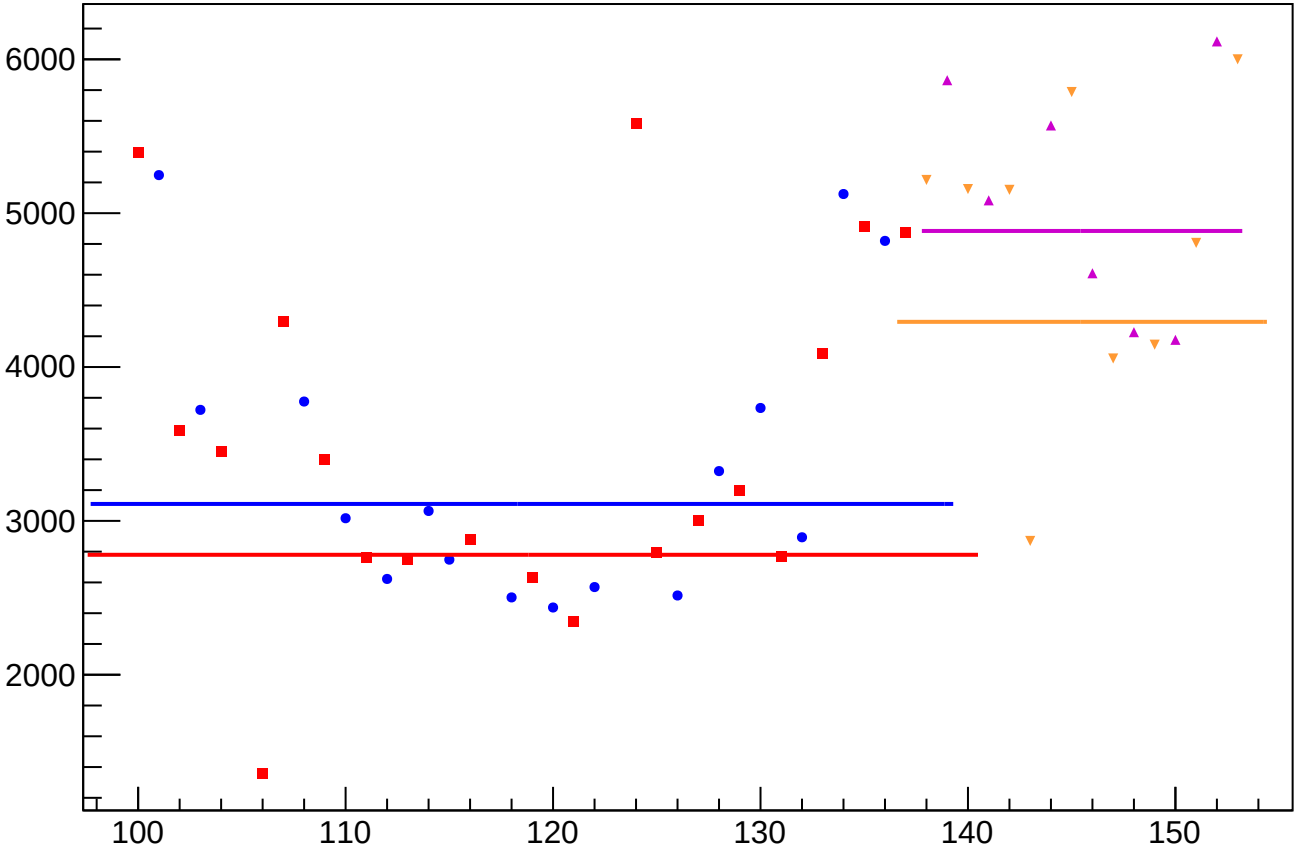
Left In: -1320.207+/-1997.895 χ^2/NDF:1.7/6

+ sign -362.188+/-974.712 χ^2/NDF: 29.5/24

All: -609.395+/-677.690 χ^2/NDF: 50.2/50

- sign -840.718+/-942.878 χ^2/NDF: 20.6/25

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4293.772+/-1.184 χ^2/NDF:787596.3/8

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

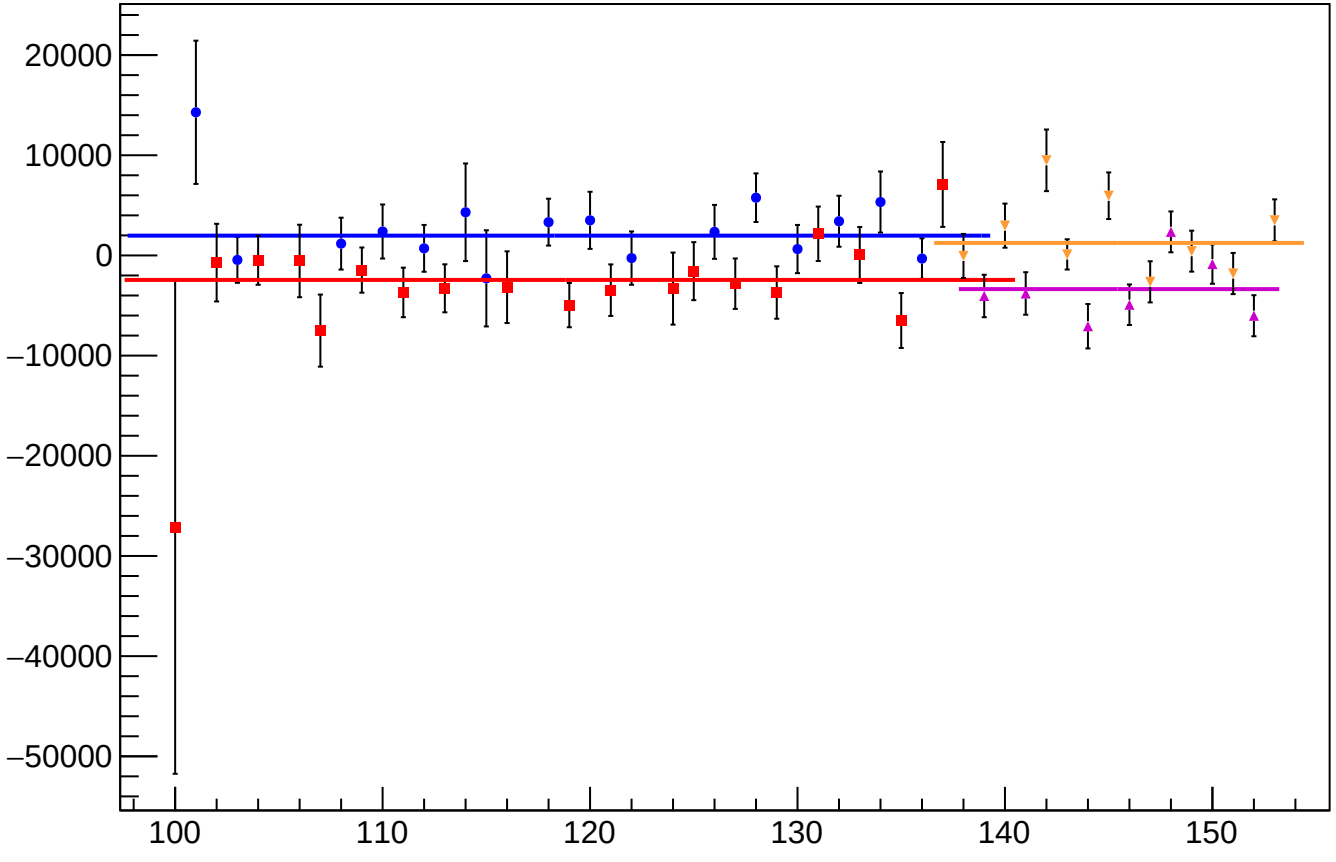
Left In: 4884.448+/-1.413 χ^2/NDF:244912.9/6

+ sign 3510.897+/-0.689 χ^2/NDF: 2331337.2/24

All: 3375.303+/-0.479 χ^2/NDF: 5724712.7/5

- sign 3248.422+/-0.667 χ^2/NDF: 3318454.1/25

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1247.541+/-692.879 χ^2/NDF:19.9/8

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

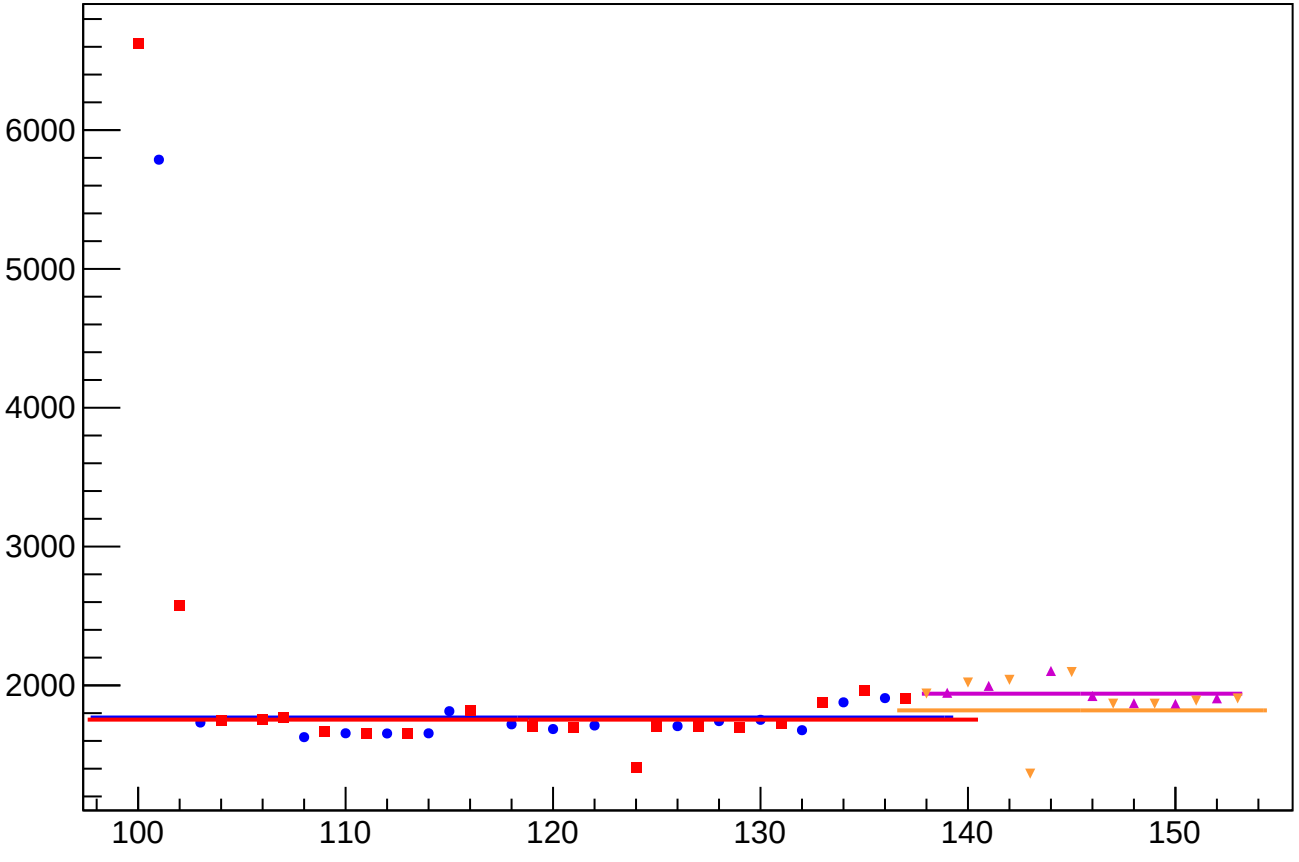
Left In: -3361.276+/-783.734 χ^2/NDF:14.7/6

+ sign 1621.683+/-483.158 χ^2/NDF: 32.9/24

All: -507.822+/-348.713 χ^2/NDF: 106.4/50

- sign -2823.148+/-503.798 χ^2/NDF: 32.9/25

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1820.001+/-0.490 χ^2/NDF:251218.1/8

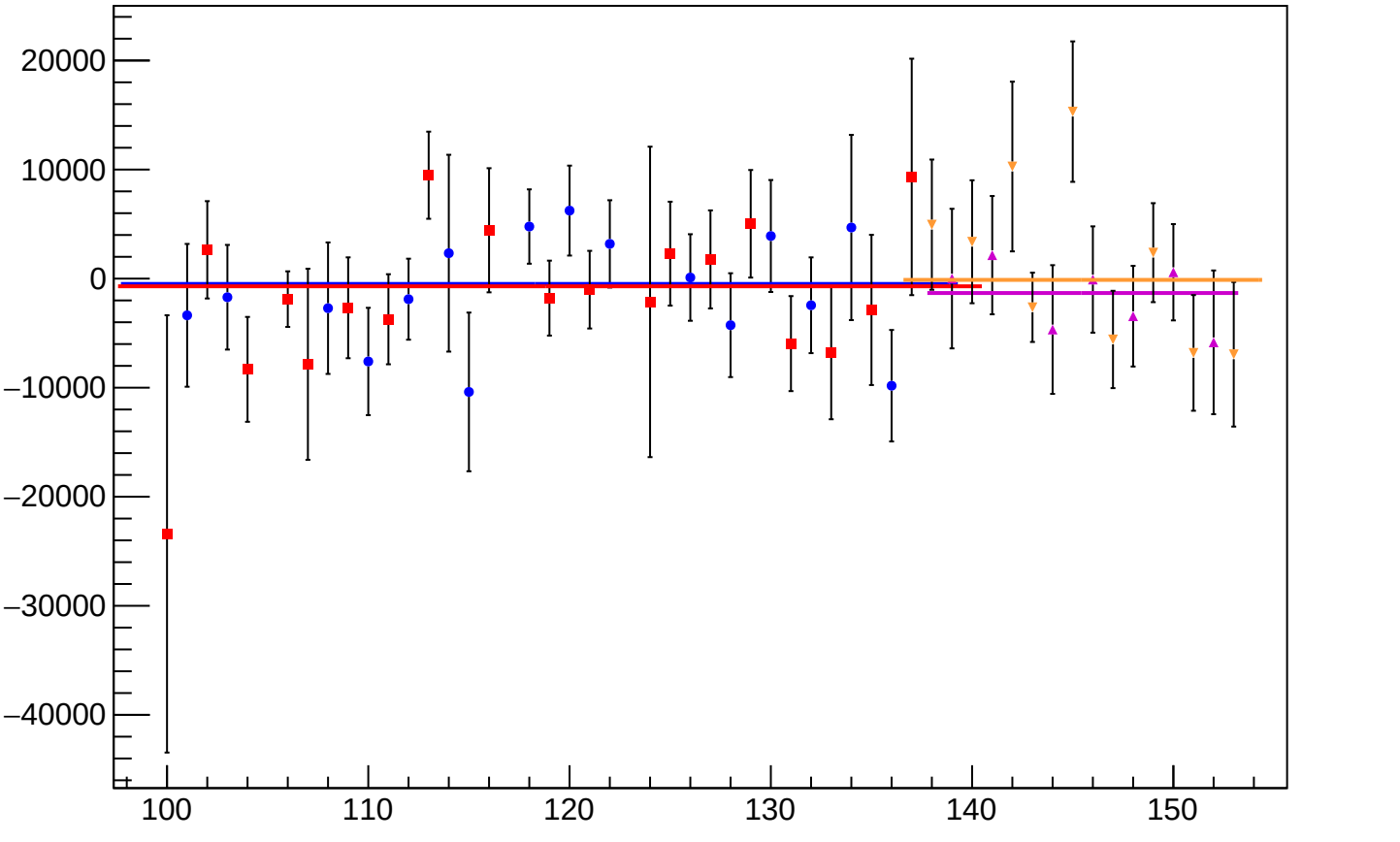
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1940.185+/-0.554 χ^2/NDF:18042.6/6

+ sign 1793.532+/-0.342 χ^2/NDF: 924266.5/24

All: 1811.191+/-0.246 χ^2/NDF: 1233558.1/50

- sign 1830.331+/-0.356 χ^2/NDF: 303724.3/25



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -116.222+/-1675.105 χ^2/NDF:13.7/8

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

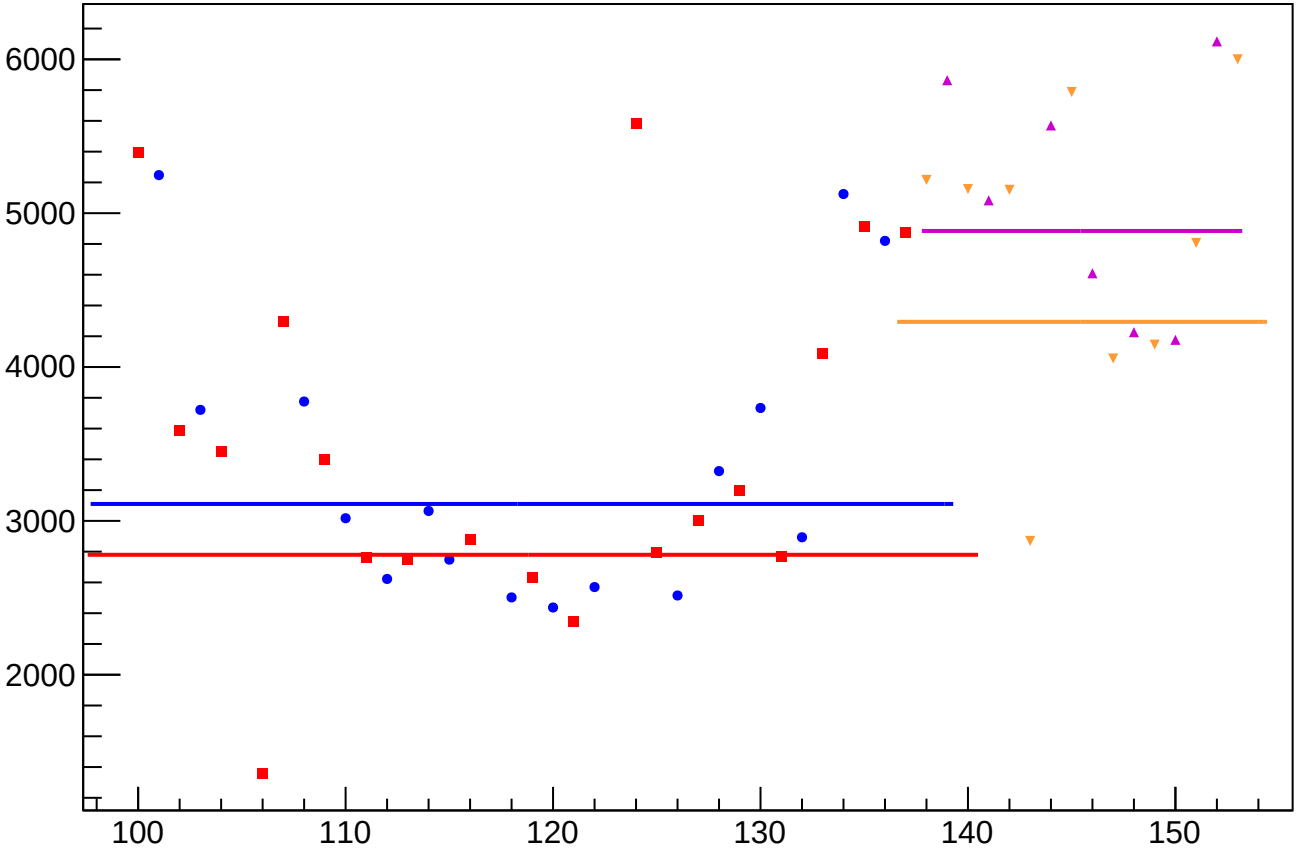
Left In: -1320.209+/-1997.897 χ^2/NDF:1.7/6

+ sign -362.187+/-974.711 χ^2/NDF: 29.5/24

All: -609.395+/-677.689 χ^2/NDF: 50.2/50

- sign -840.719+/-942.875 χ^2/NDF: 20.6/25

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4293.775+/-1.184 χ^2/NDF:787601.6/8

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

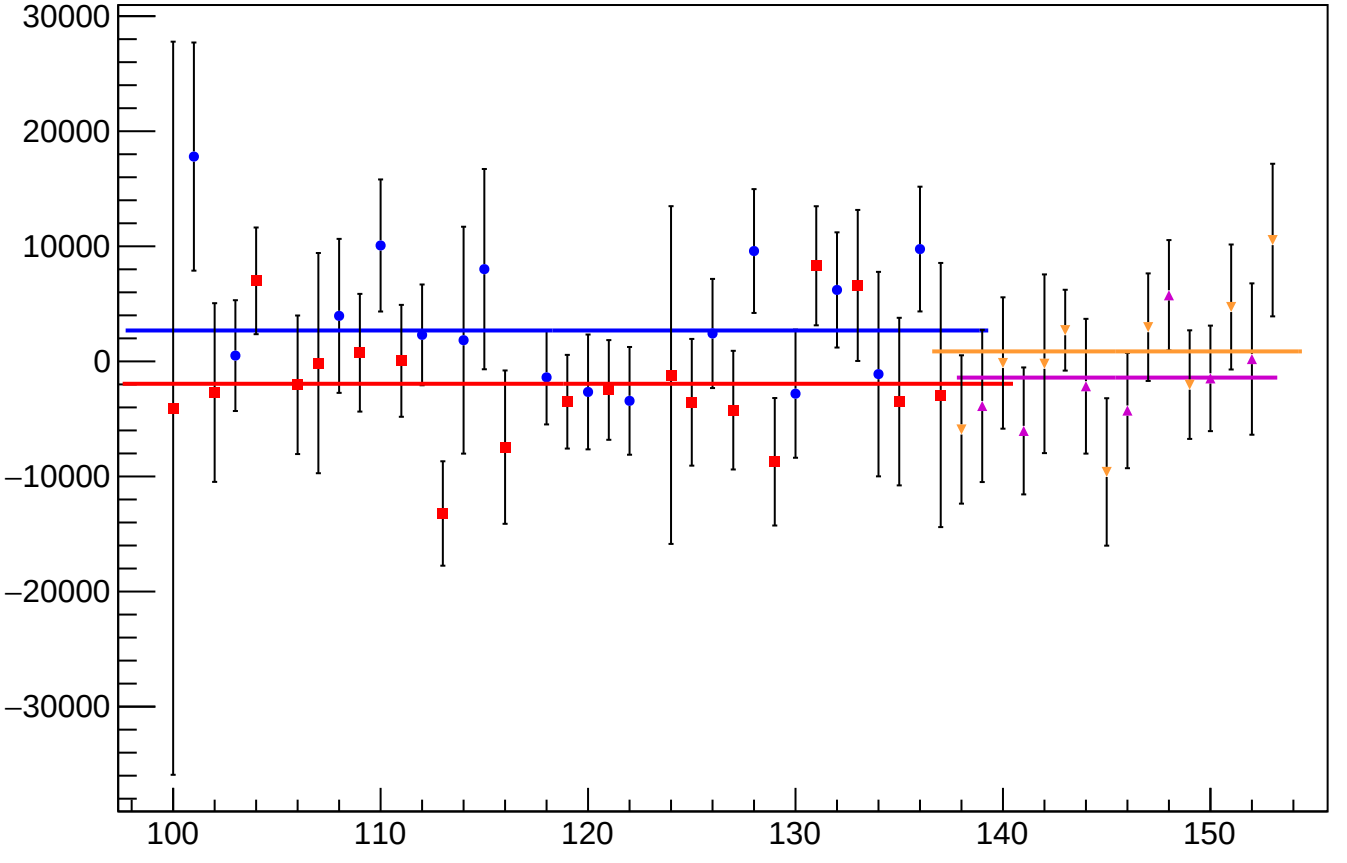
Left In: 4884.453+/-1.413 χ^2/NDF:244915.9/6

+ sign 3510.889+/-0.689 χ^2/NDF: 2331368.9/24

All: 3375.292+/-0.479 χ^2/NDF: 5724798.1/50

- sign 3248.409+/-0.667 χ^2/NDF: 3318505.2/25

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 867.159+/-1756.353 χ^2/NDF:7.3/8

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

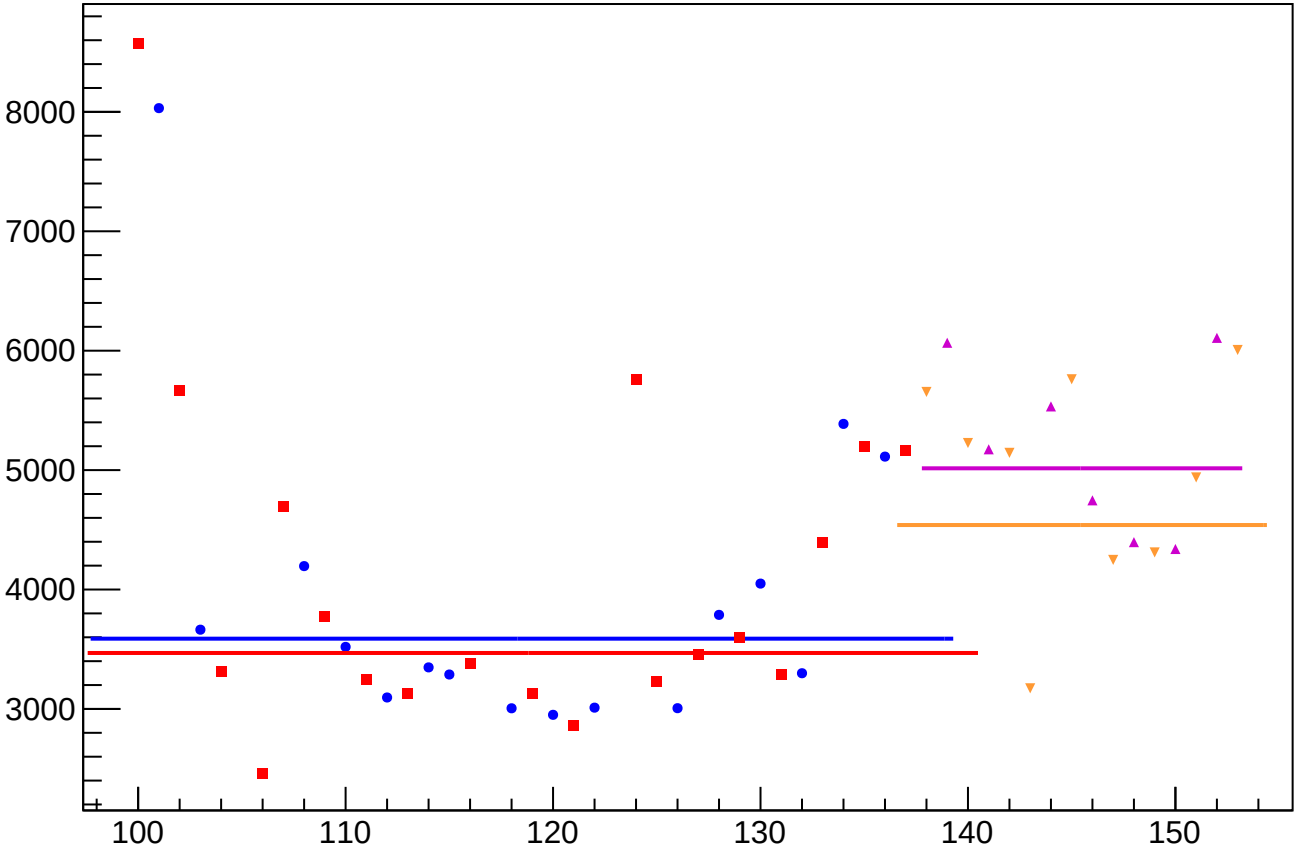
Left In: -1408.918+/-2046.025 χ^2/NDF:3.5/6

+ sign 1991.433+/-1085.072 χ^2/NDF: 21.4/24

All: 157.376+/-778.260 χ^2/NDF: 49.5/50

- sign -1785.741+/-1116.867 χ^2/NDF: 22.2/25

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4540.069+/-1.242 χ^2/NDF:597786.4/8

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

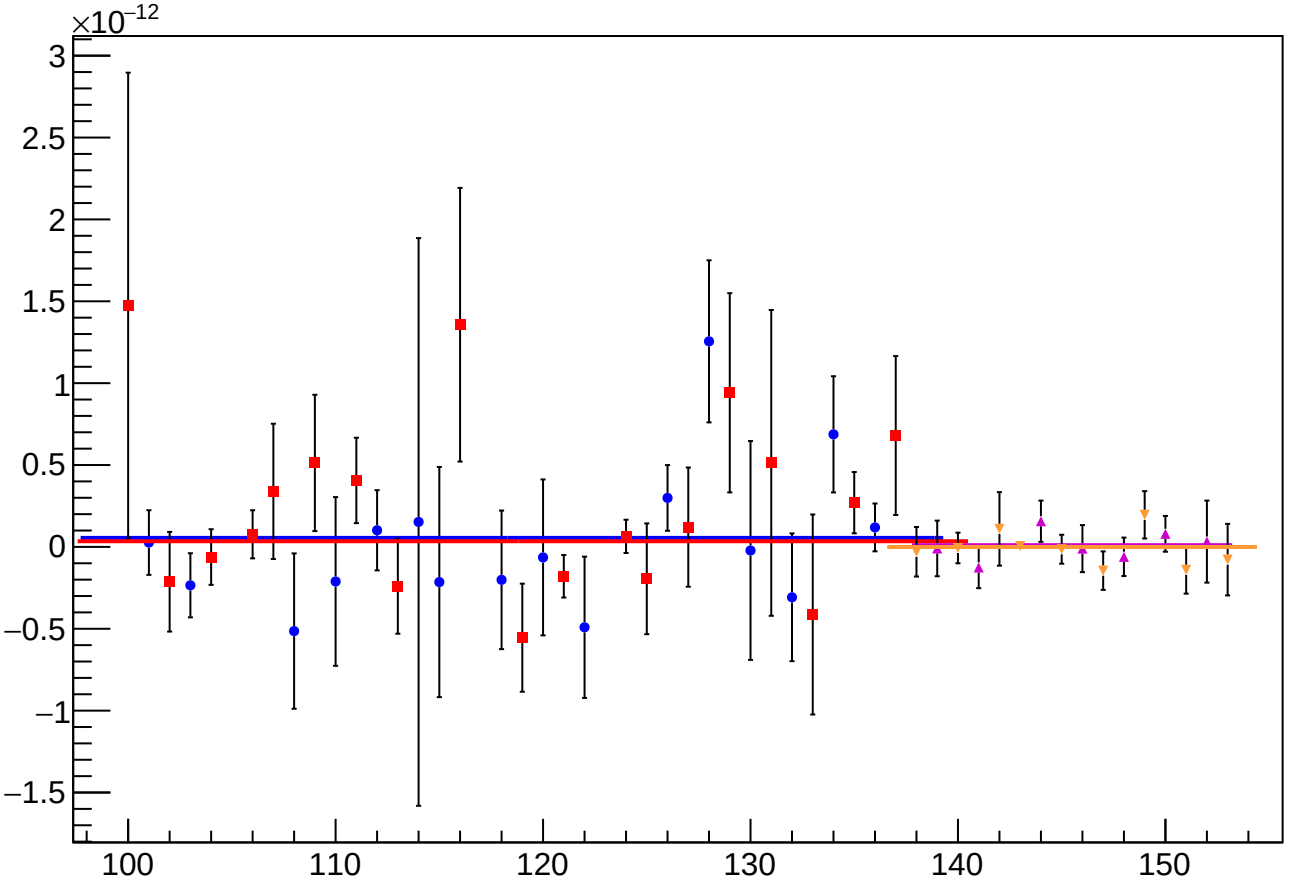
Left In: 5015.031+/-1.447 χ^2/NDF:205470.6/6

+ sign 3951.645+/-0.767 χ^2/NDF: 1806056.3/24

All: 3935.901+/-0.547 χ^2/NDF: 3488256.0/50

- sign 3919.577+/-0.781 χ^2/NDF: 1681342.1/25

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/8

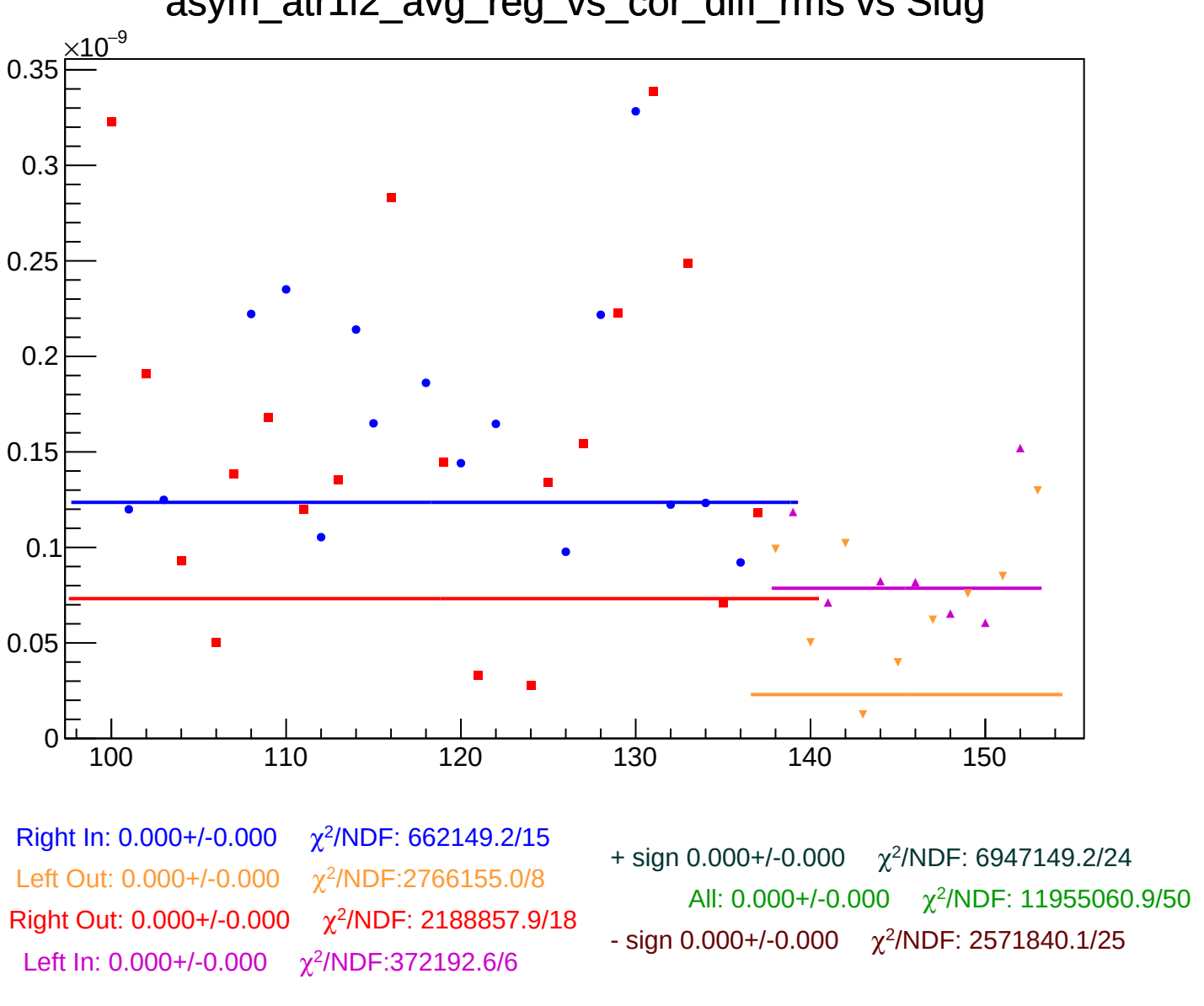
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

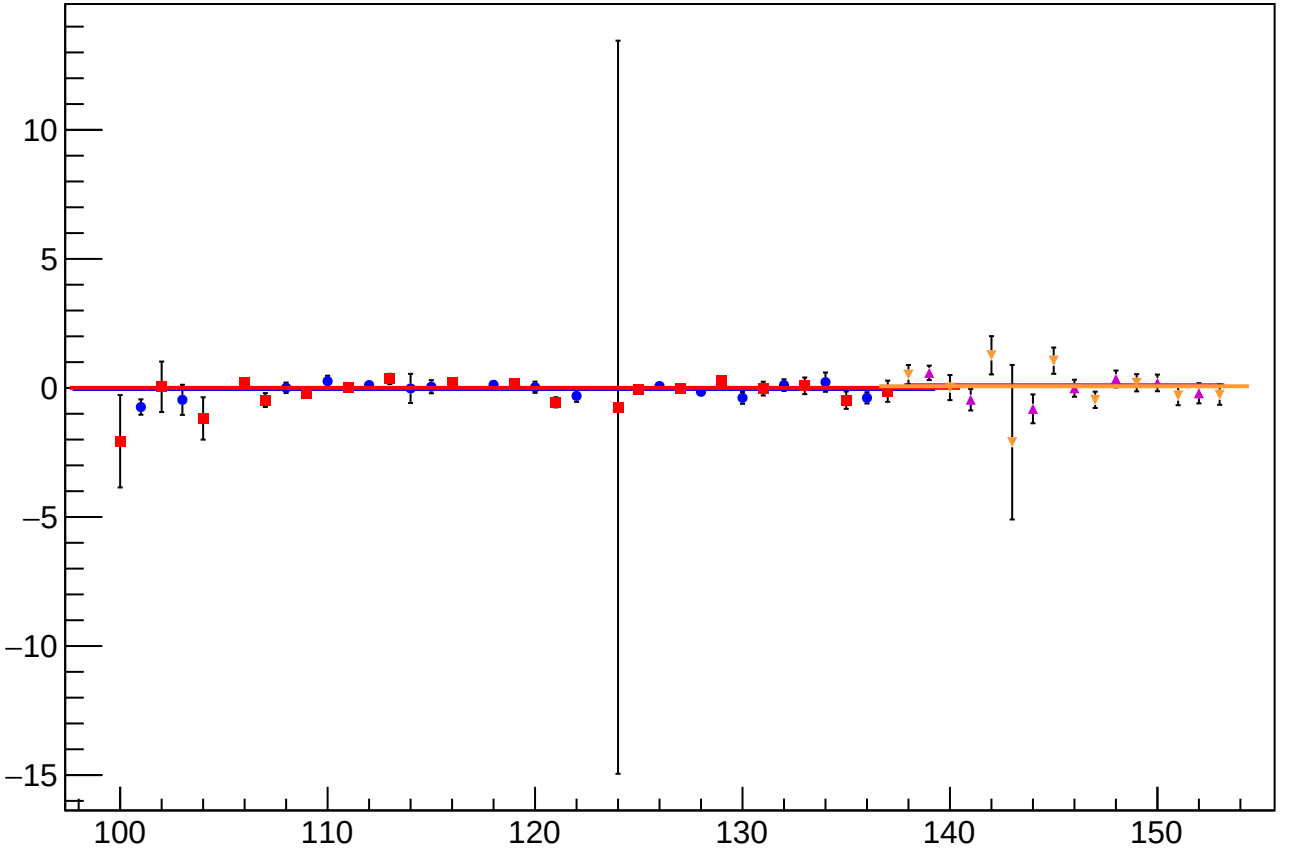
+ sign 0.000+/-0.000 χ^2/NDF: 23.0/24

All: 0.000+/-0.000 χ^2/NDF: 48.9/50

- sign 0.000+/-0.000 χ^2/NDF: 25.7/25


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2766155.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:372192.6/6
+ sign 0.000+/-0.000 χ²/NDF: 6947149.2/24
All: 0.000+/-0.000 χ²/NDF: 11955060.9/50
- sign 0.000+/-0.000 χ²/NDF: 2571840.1/25

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.066+/-0.142 χ^2/NDF:12.9/8

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

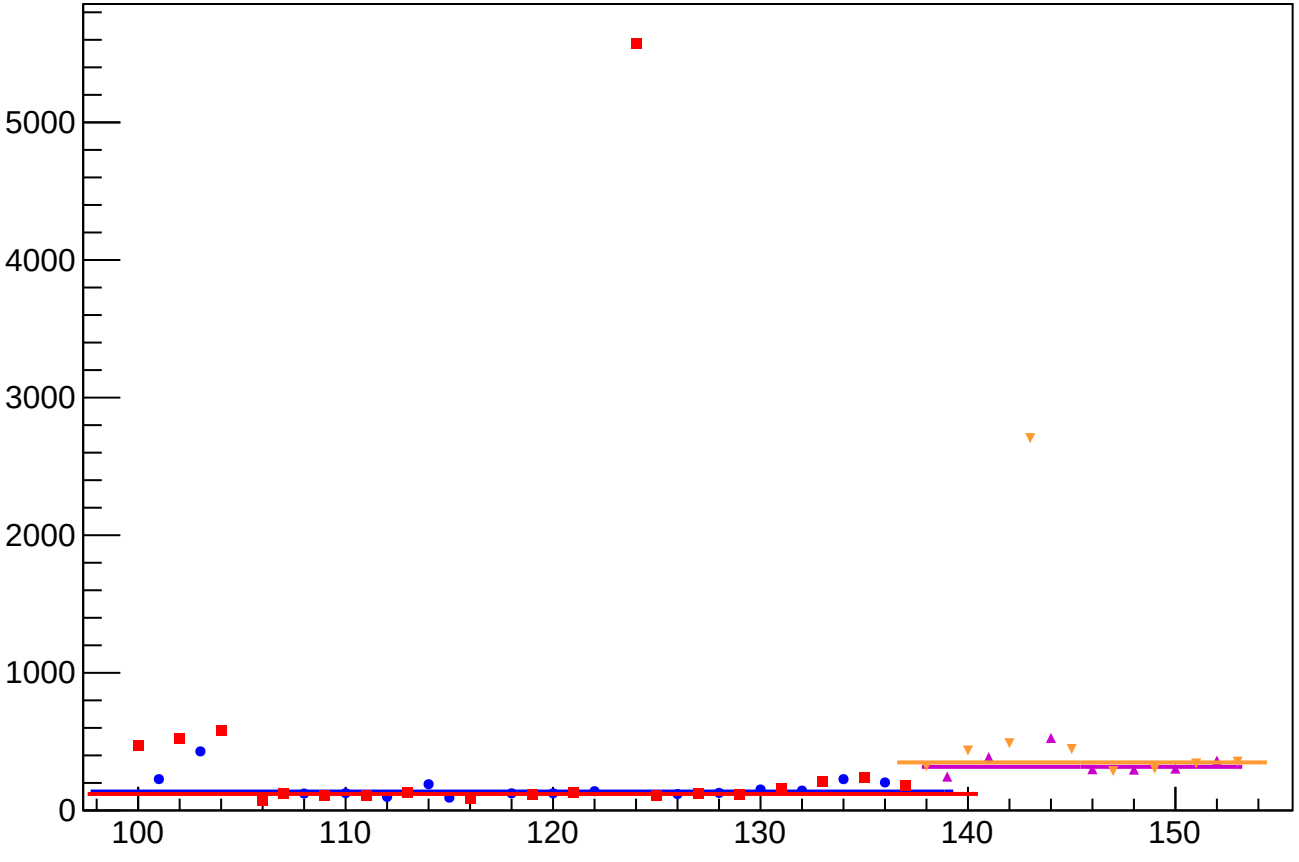
Left In: 0.106+/-0.133 χ^2/NDF:8.8/6

+ sign -0.025+/-0.052 χ^2/NDF: 31.4/24

All: -0.003+/-0.035 χ^2/NDF: 69.8/50

- sign 0.016+/-0.048 χ^2/NDF: 38.1/25

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 349.093+/-0.100 χ^2/NDF:1573126.9/8

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

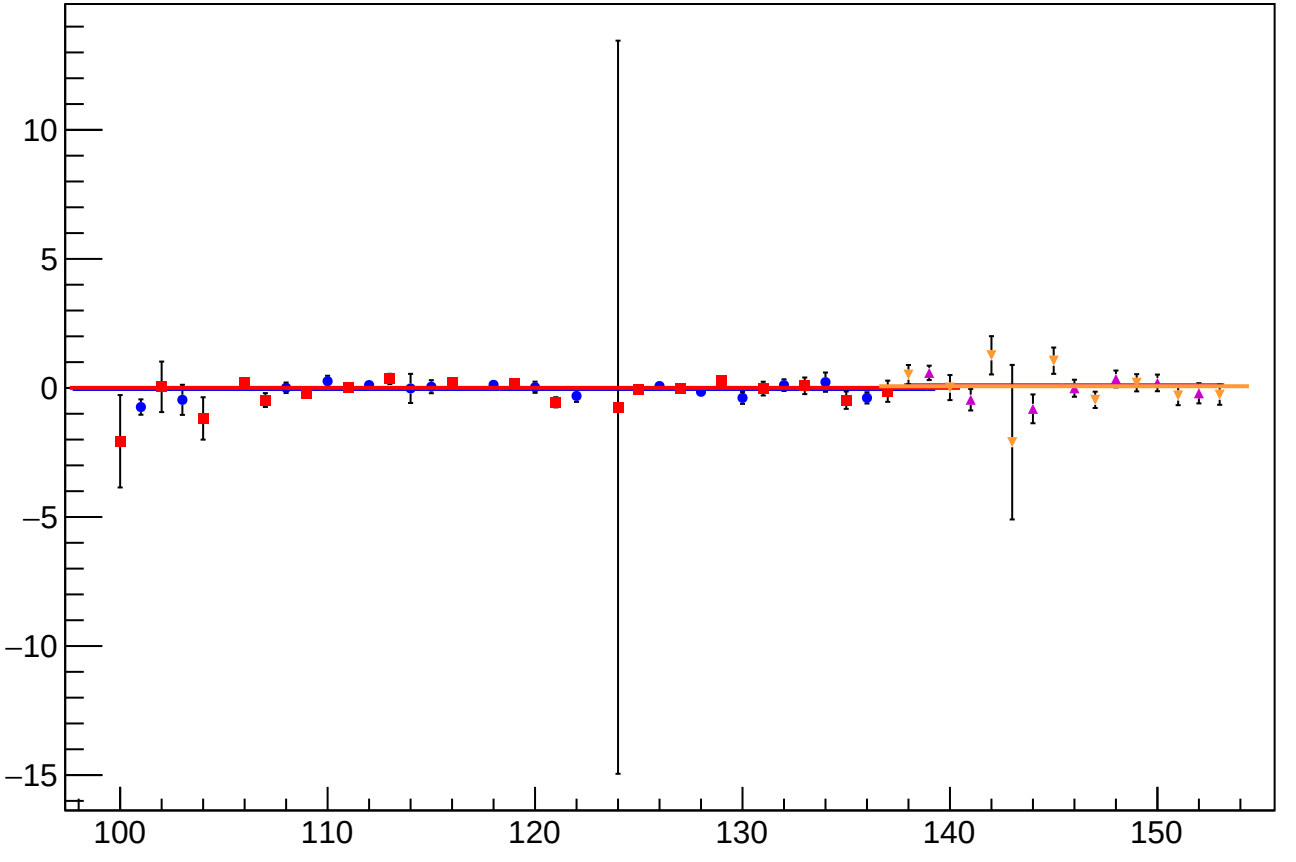
Left In: 317.001+/-0.094 χ^2/NDF:513367.6/6

+ sign 165.861+/-0.037 χ^2/NDF: 6708657.0/24

All: 154.614+/-0.025 χ^2/NDF: 13358904.6/50

- sign 145.181+/-0.034 χ^2/NDF: 6477772.5/25

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.066+/-0.142 χ^2/NDF:12.9/8

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

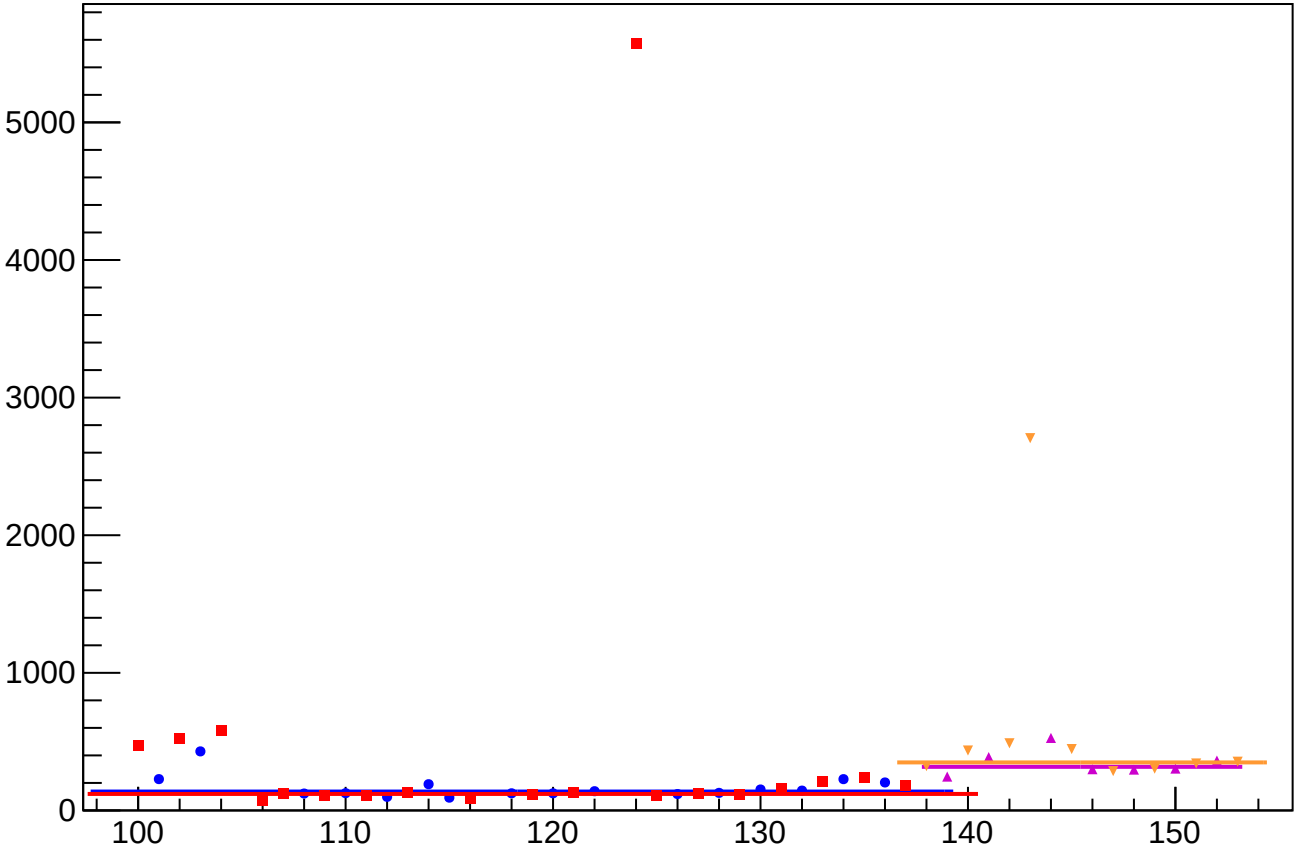
Left In: 0.106+/-0.133 χ^2/NDF:8.8/6

\+ sign -0.025+/-0.052 χ^2/NDF: 31.4/24

All: -0.003+/-0.035 χ^2/NDF: 69.8/50

\- sign 0.016+/-0.048 χ^2/NDF: 38.1/25

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 349.093+/-0.100 χ^2/NDF:1573126.9/8

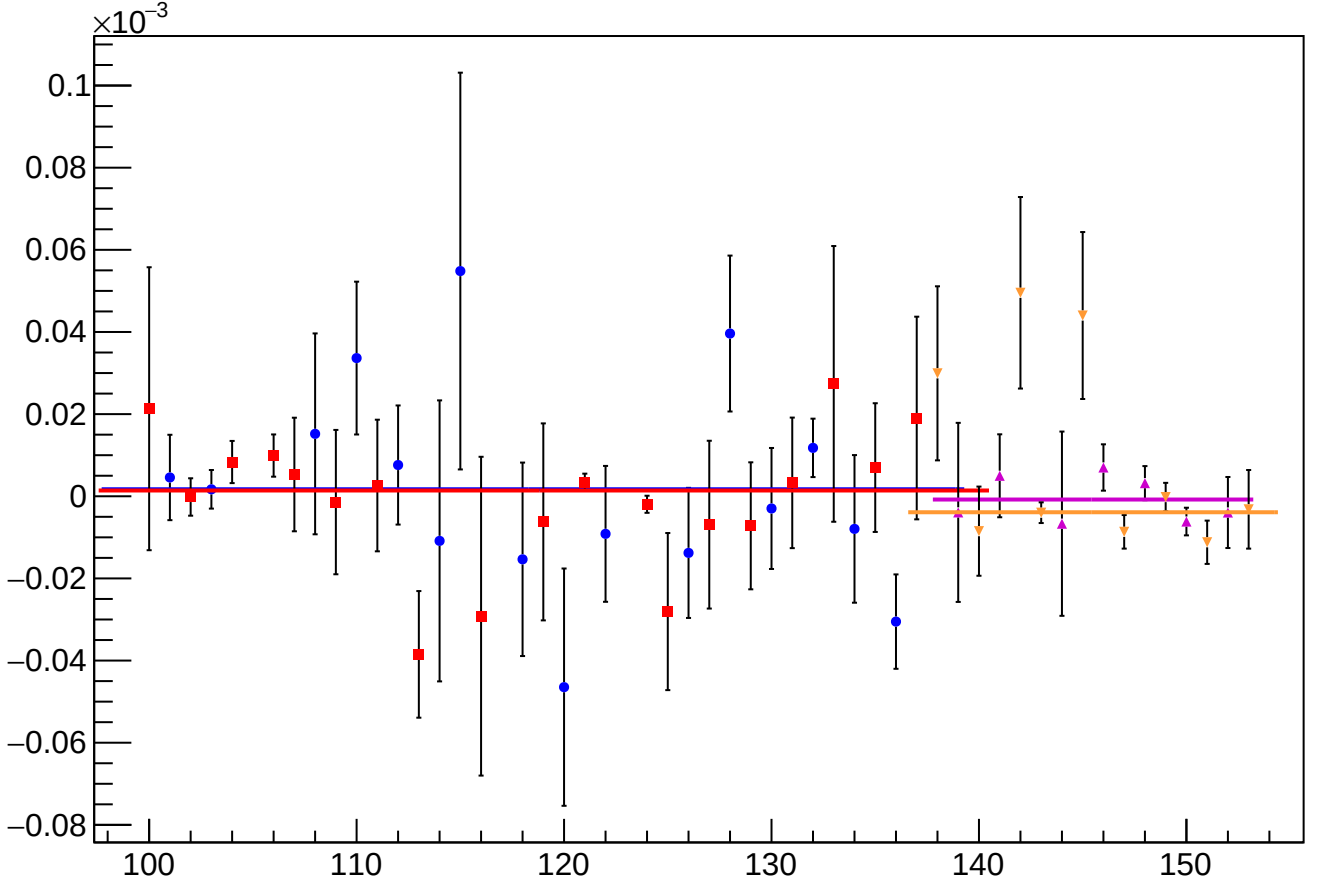
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 317.001+/-0.094 χ^2/NDF:513367.6/6

+ sign 165.861+/-0.037 χ^2/NDF: 6708657.0/24

All: 154.614+/-0.025 χ^2/NDF: 13358904.6/50

- sign 145.181+/-0.034 χ^2/NDF: 6477772.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

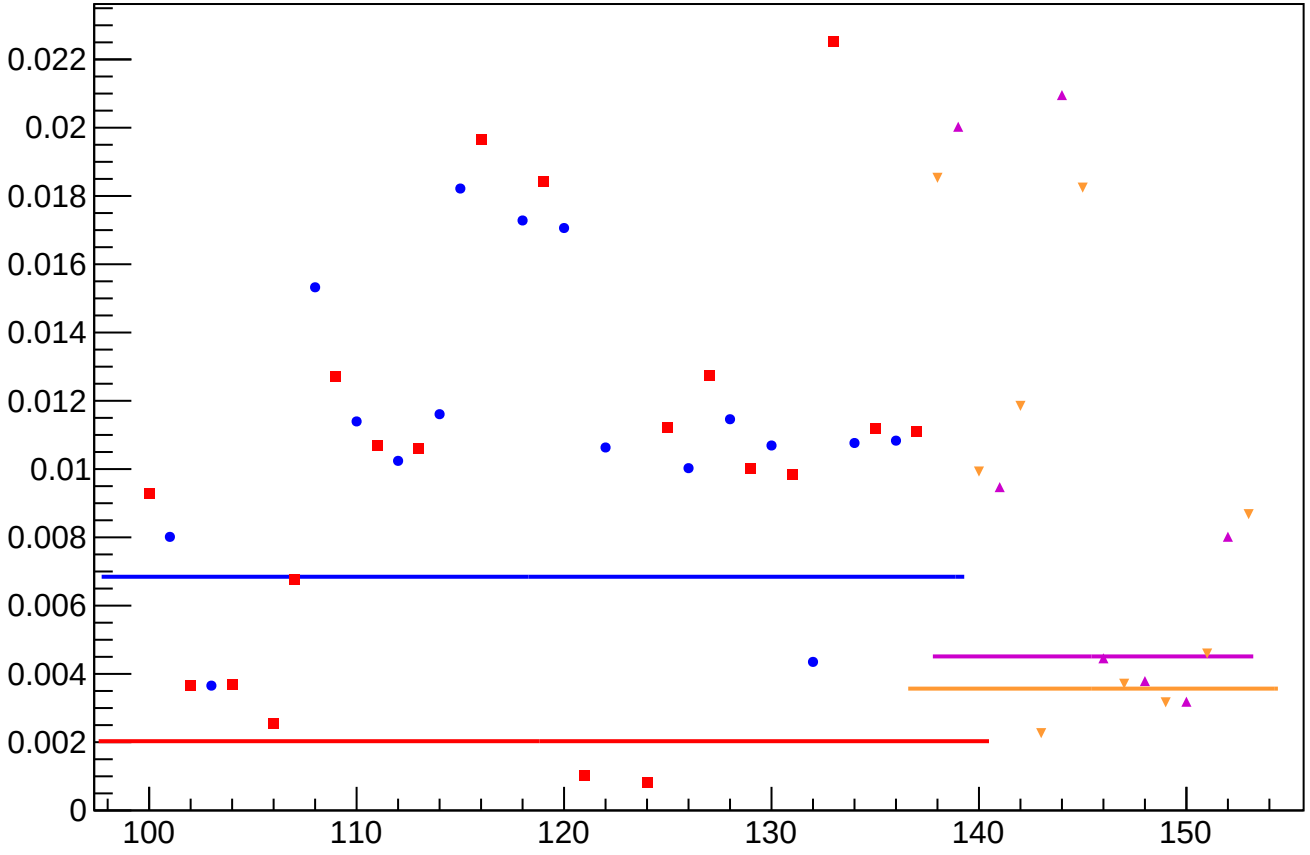
Left In: -0.000+/-0.000 χ^2/NDF:5.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 44.4/24

All: -0.000+/-0.000 χ^2/NDF: 74.9/50

- sign 0.000+/-0.000 χ^2/NDF: 26.9/25

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:4191820.9/8

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

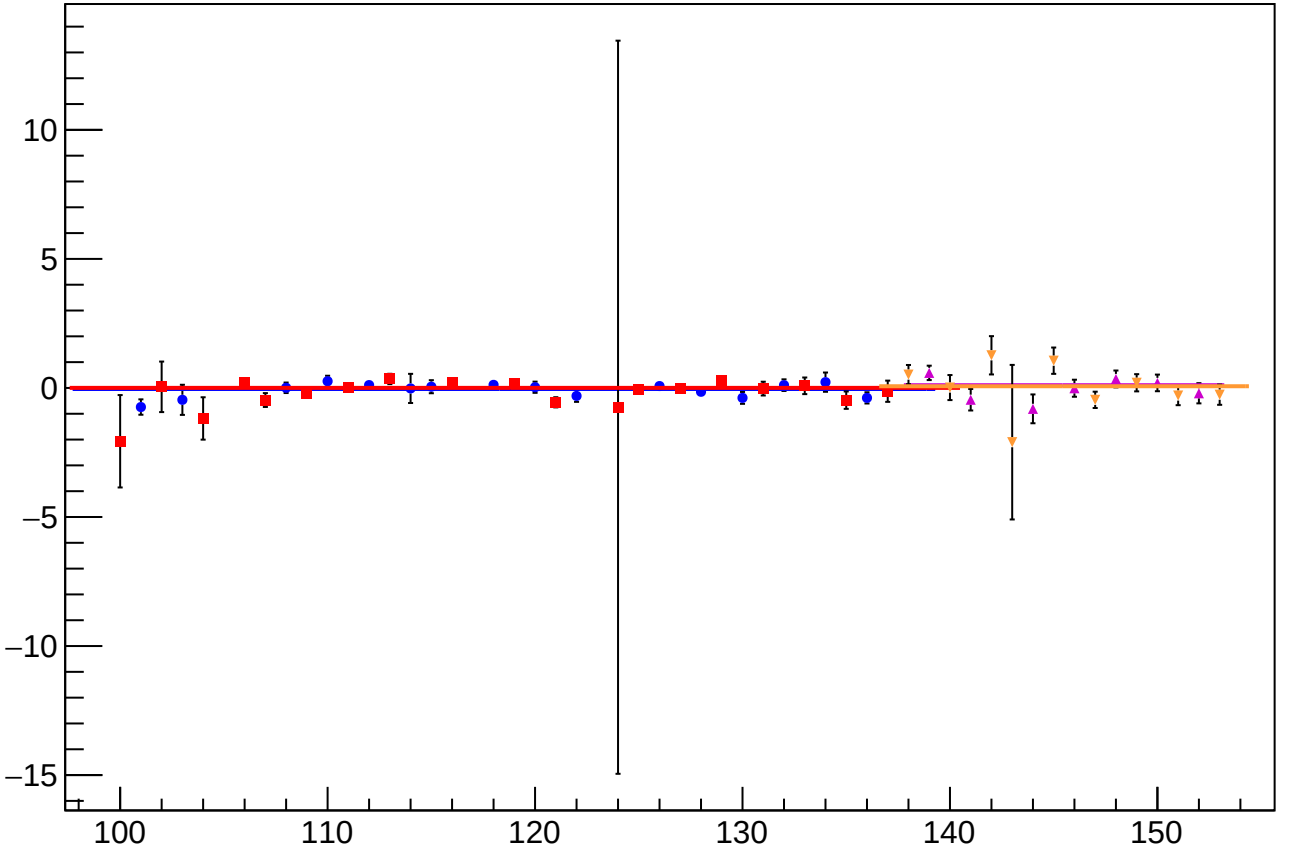
Left In: 0.005+/-0.000 χ^2/NDF:3271058.7/6

+ sign 0.004+/-0.000 χ^2/NDF: 9279720.8/24

All: 0.003+/-0.000 χ^2/NDF: 25254211.2/50

- sign 0.003+/-0.000 χ^2/NDF: 14189511.0/25

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.066+/-0.142 χ^2/NDF:12.9/8

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

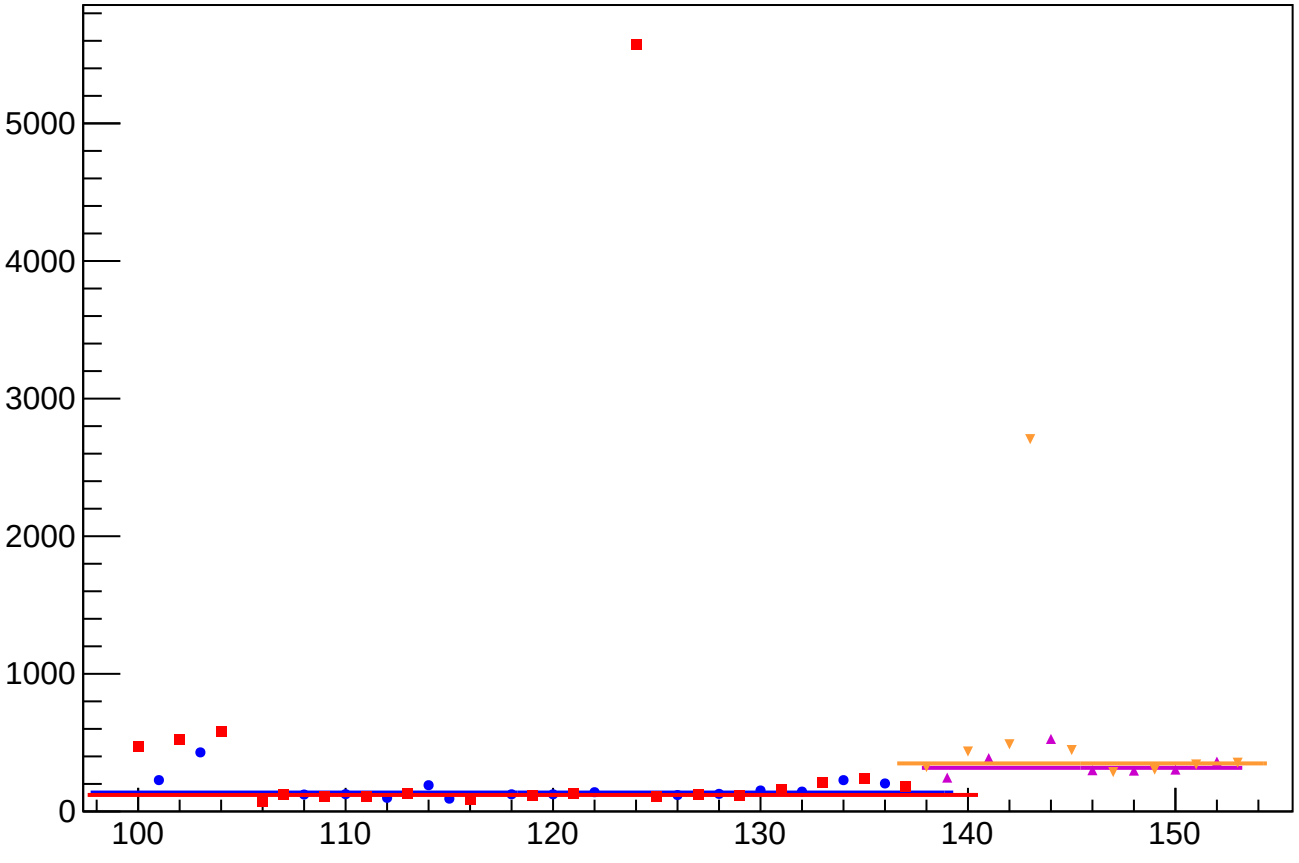
Left In: 0.106+/-0.133 χ^2/NDF:8.8/6

+ sign -0.025+/-0.052 χ^2/NDF: 31.4/24

All: -0.003+/-0.035 χ^2/NDF: 69.8/50

- sign 0.016+/-0.048 χ^2/NDF: 38.1/25

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 349.095+/-0.100 χ^2/NDF:1573154.9/8

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

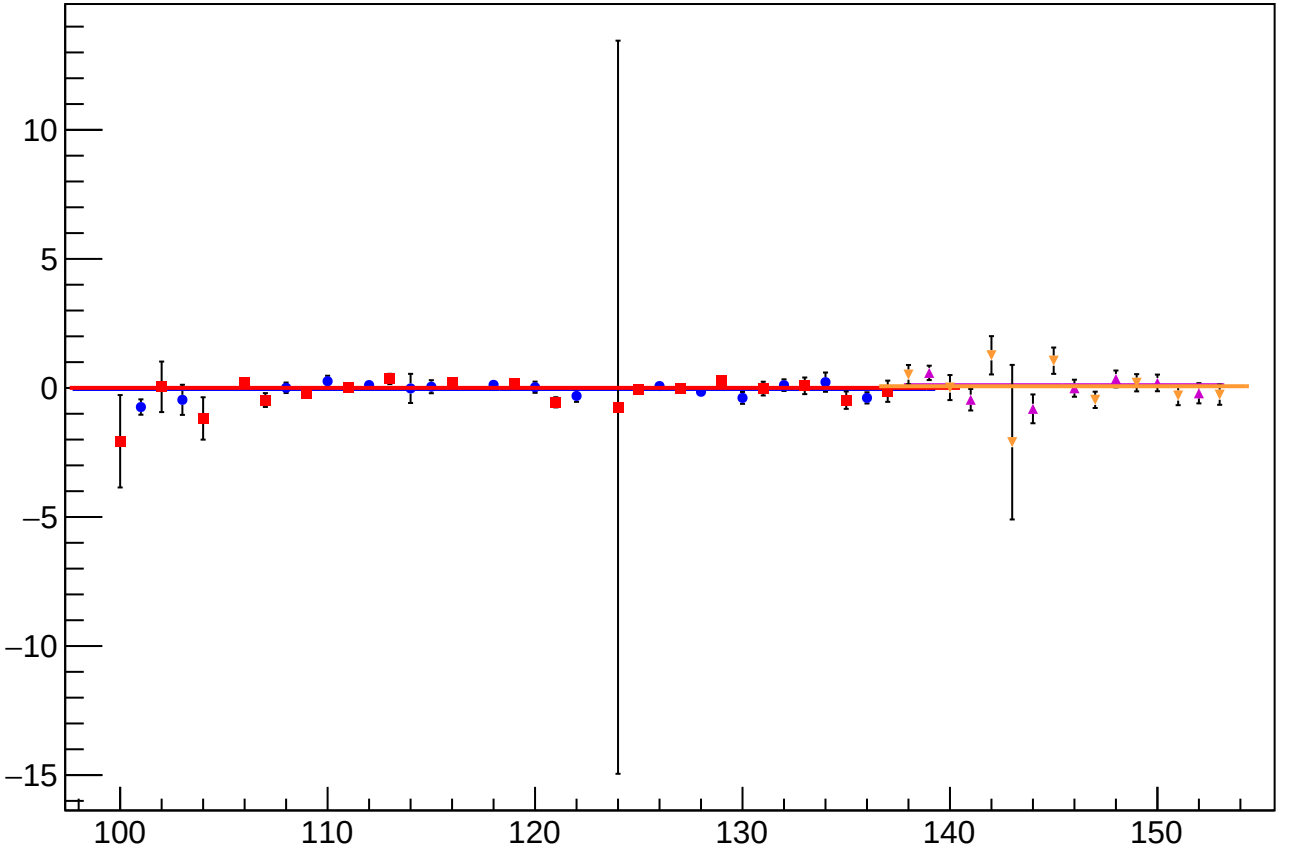
Left In: 317.005+/-0.094 χ^2/NDF:513357.6/6

+ sign 165.862+/-0.037 χ^2/NDF: 6708626.0/24

All: 154.614+/-0.025 χ^2/NDF: 13358880.4/50

- sign 145.181+/-0.034 χ^2/NDF: 6477762.3/25

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.066+/-0.142 χ^2/NDF:12.9/8

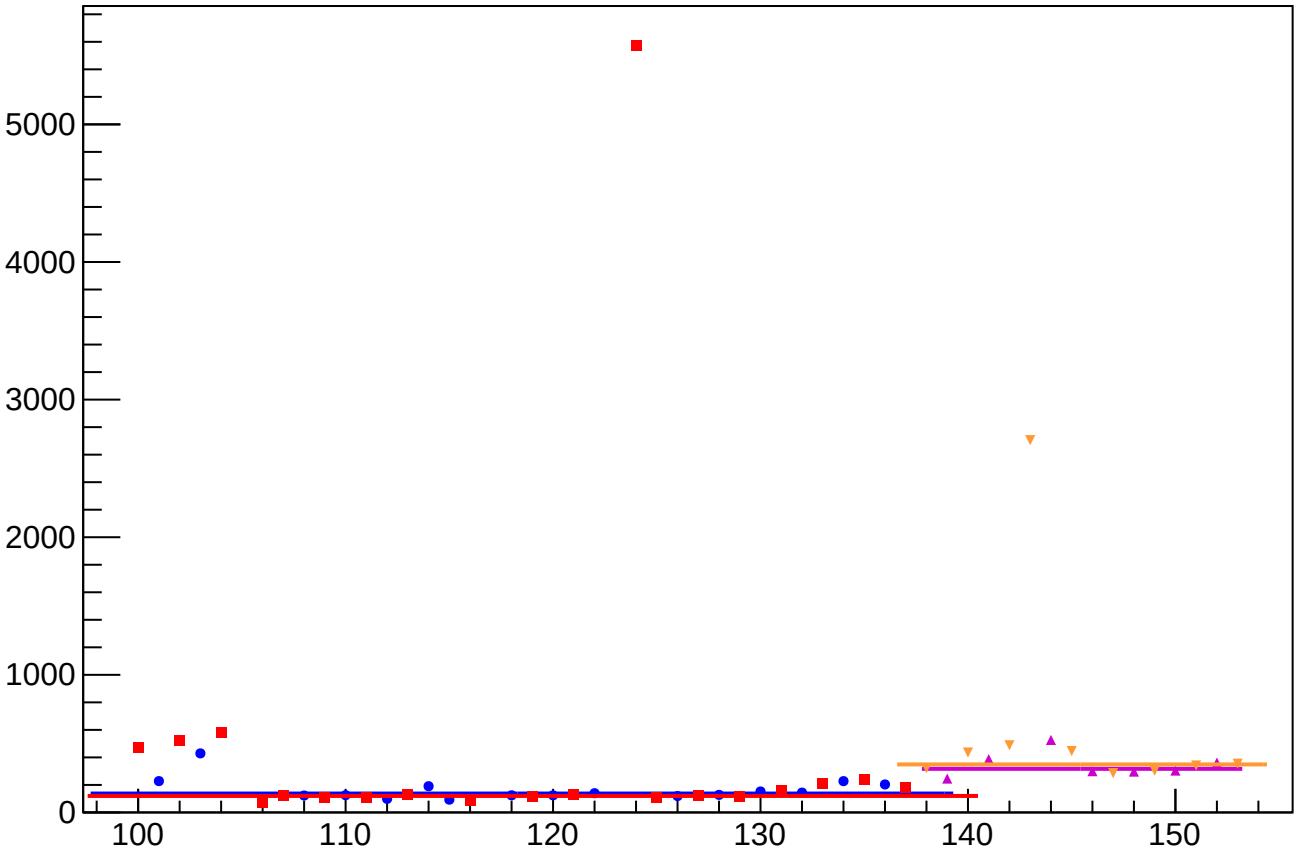
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.106+/-0.133 χ^2/NDF:8.8/6

+ sign -0.025+/-0.052 χ^2/NDF: 31.4/24

All: -0.003+/-0.035 χ^2/NDF: 69.8/50

- sign 0.016+/-0.048 χ^2/NDF: 38.1/25



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 349.095+/-0.100 χ^2/NDF:1573154.9/8

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

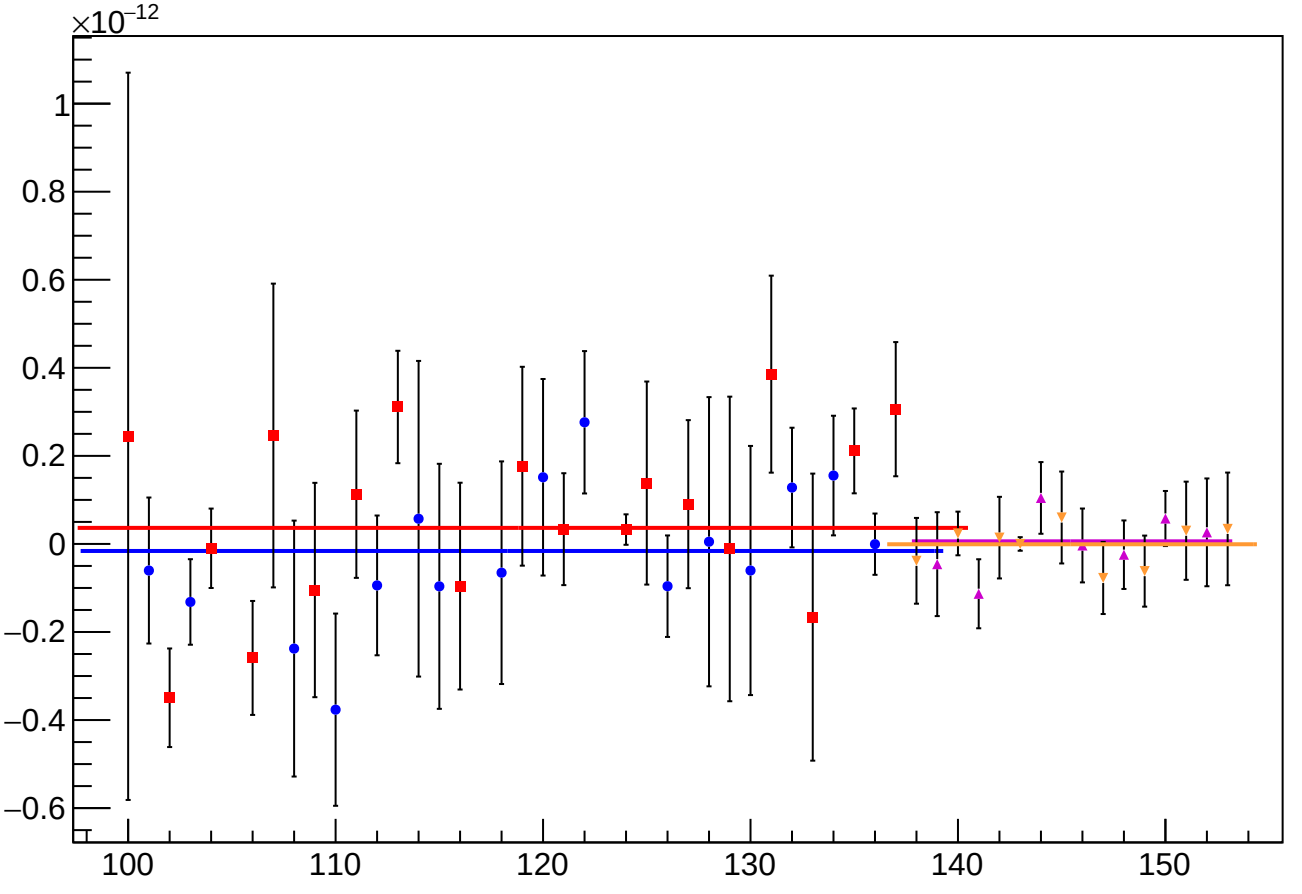
Left In: 317.005+/-0.094 χ^2/NDF:513357.6/6

+ sign 165.862+/-0.037 χ^2/NDF: 6708626.0/24

All: 154.614+/-0.025 χ^2/NDF: 13358880.4/50

- sign 145.181+/-0.034 χ^2/NDF: 6477762.3/25

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.4/8

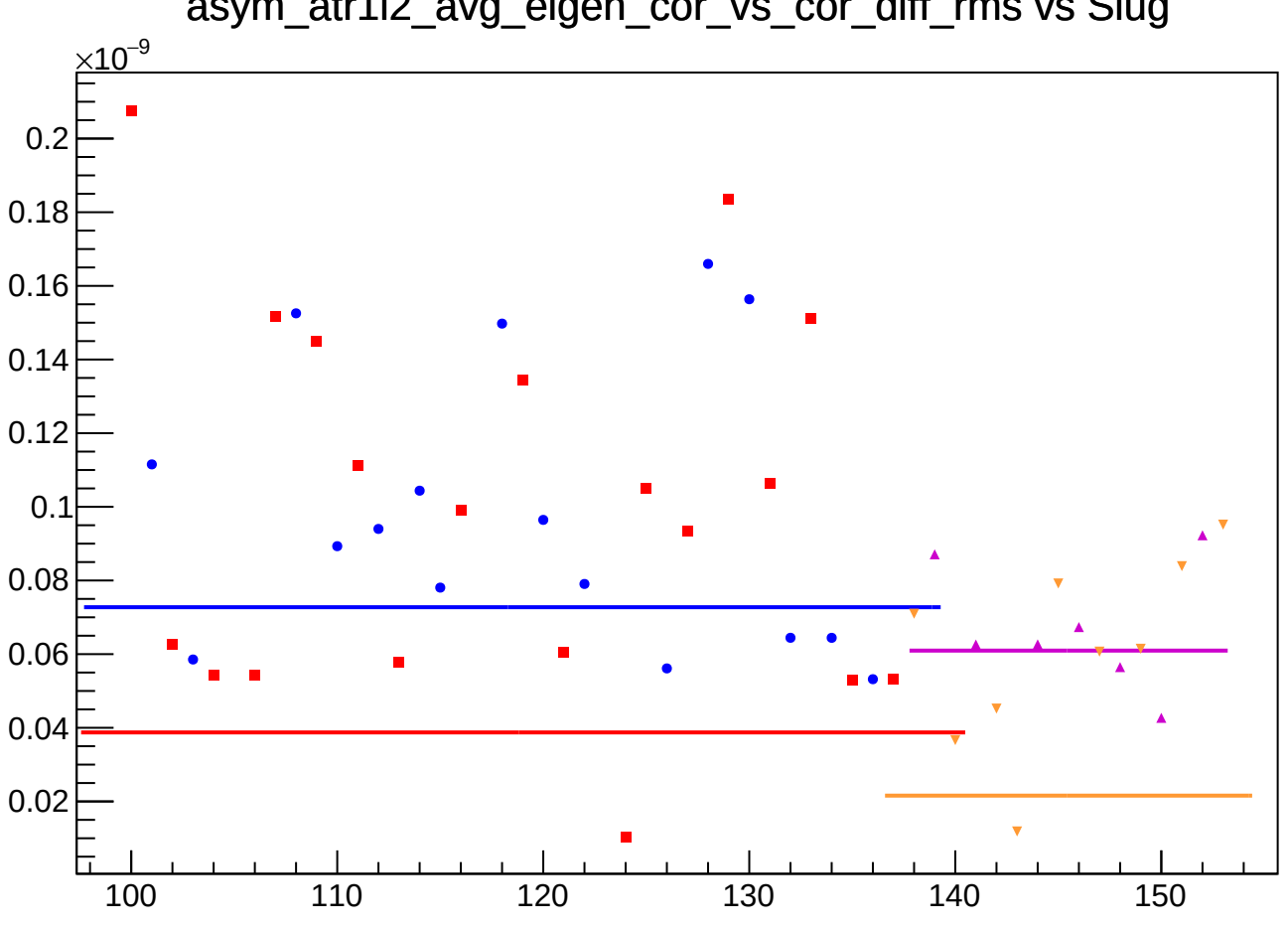
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 14.8/24

All: 0.000+/-0.000 χ^2/NDF: 54.7/50

- sign 0.000+/-0.000 χ^2/NDF: 38.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4463701.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

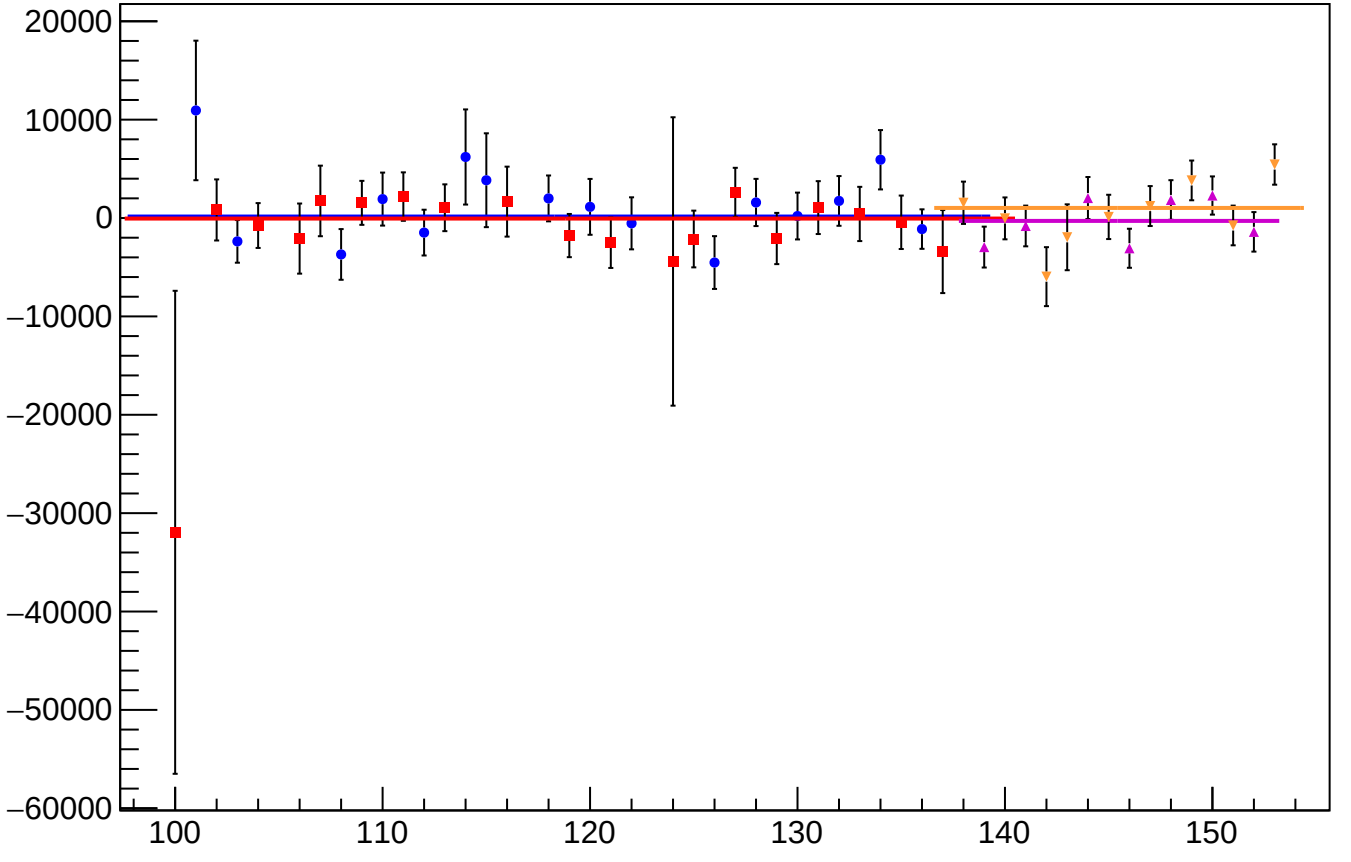
Left In: 0.000+/-0.000 χ^2/NDF:419395.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 8920404.8/24

All: 0.000+/-0.000 χ^2/NDF: 15637866.0/50

- sign 0.000+/-0.000 χ^2/NDF: 5290801.5/25

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1025.537+/-744.202 χ^2/NDF:14.0/8

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

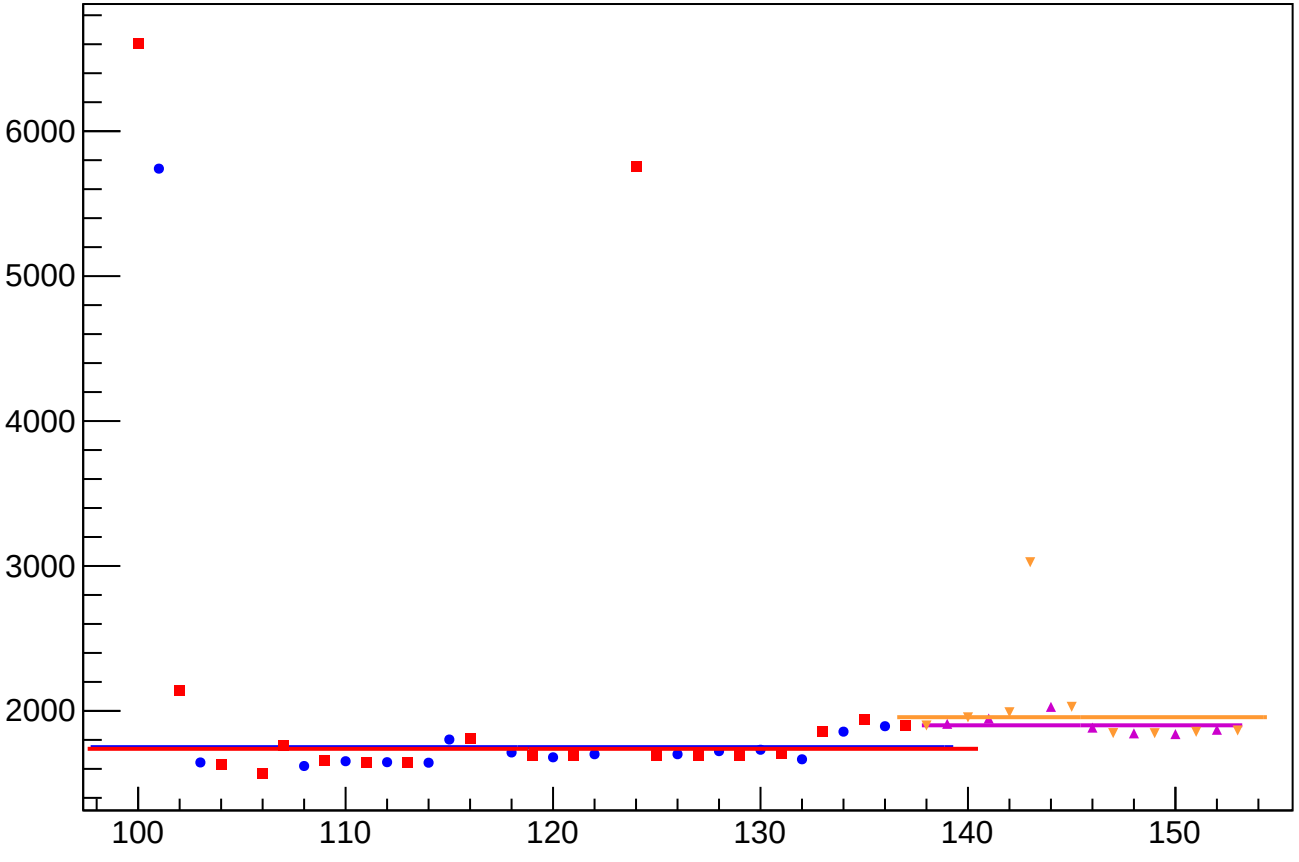
Left In: -292.677+/-767.507 χ^2/NDF:8.0/6

+ sign 540.433+/-496.711 χ^2/NDF: 32.5/24

All: 194.016+/-351.805 χ^2/NDF: 50.5/50

- sign -154.687+/-498.347 χ^2/NDF: 17.1/25

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1956.720+/-0.526 χ^2/NDF:228367.8/8

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

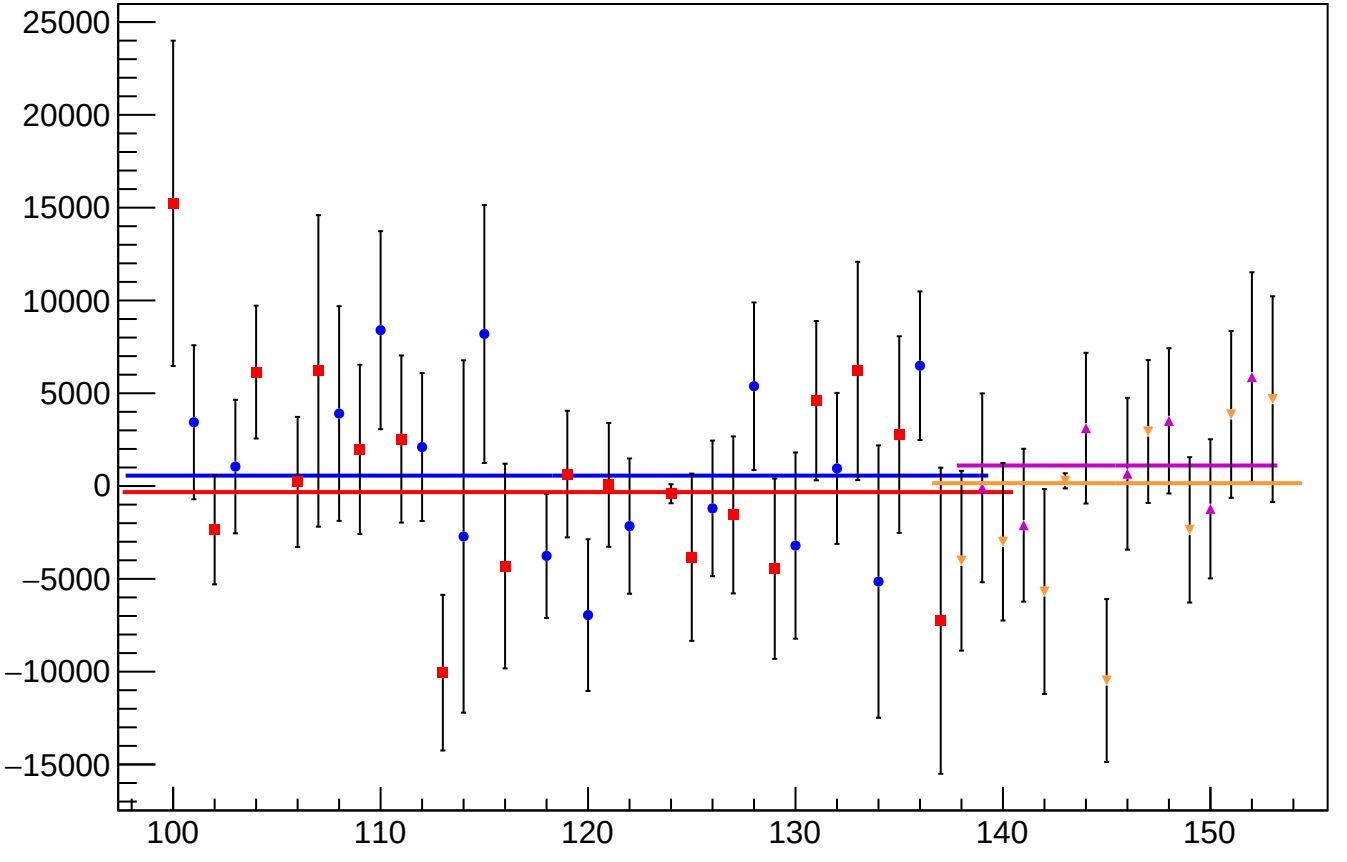
Left In: 1900.634+/-0.543 χ^2/NDF:12218.7/6

+ sign 1842.014+/-0.351 χ^2/NDF: 983627.9/24

All: 1824.125+/-0.248 χ^2/NDF: 1357471.0/50

- sign 1806.270+/-0.351 χ^2/NDF: 368659.7/25

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 156.765+/-396.123 χ^2/NDF:10.7/8

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

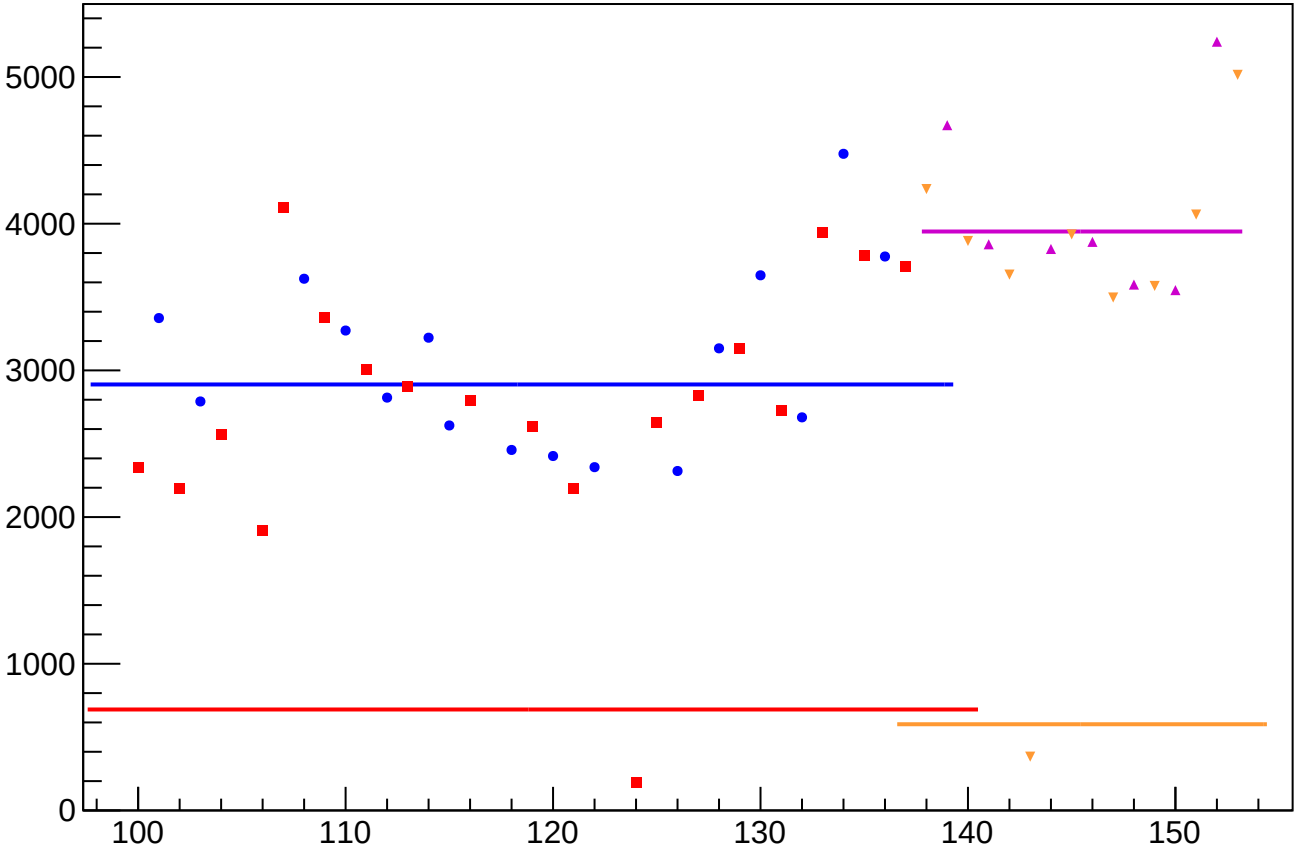
Left In: 1107.049+/-1610.119 χ^2/NDF:2.4/6

+ sign 203.236+/-372.739 χ^2/NDF: 25.6/24

All: 27.318+/-284.535 χ^2/NDF: 48.5/50

- sign -218.350+/-440.478 χ^2/NDF: 22.4/25

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 587.710+/-0.280 χ^2/NDF:9479133.5/8

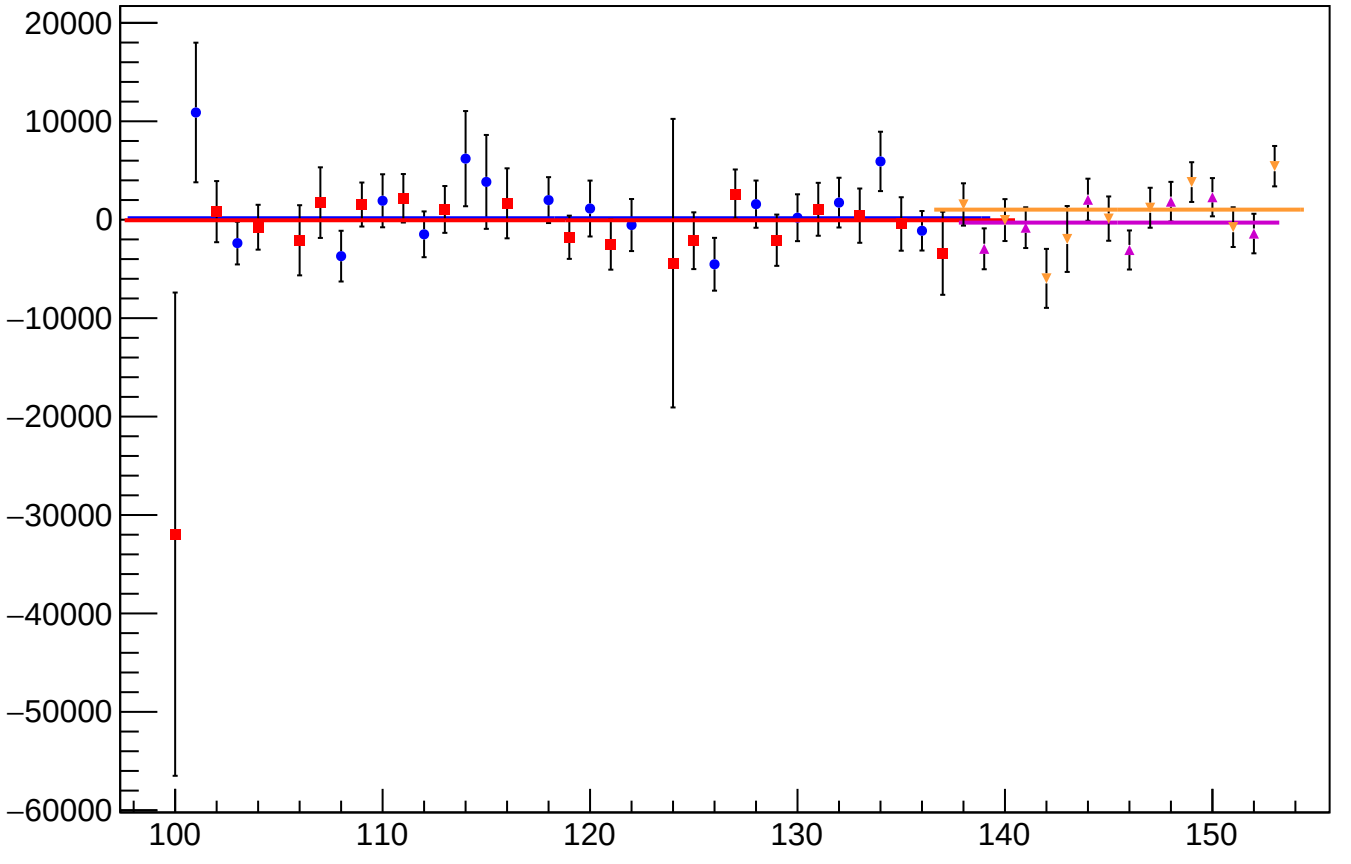
Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 3946.748+/-1.139 χ^2/NDF:188637.8/6

+ sign 853.117+/-0.264 χ^2/NDF: 17794729.8/24

All: 886.108+/-0.201 χ^2/NDF: 35747705.1/50

- sign 932.180+/-0.311 χ^2/NDF: 17915426.8/25



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1025.473+/-744.202 χ^2/NDF:14.0/8

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

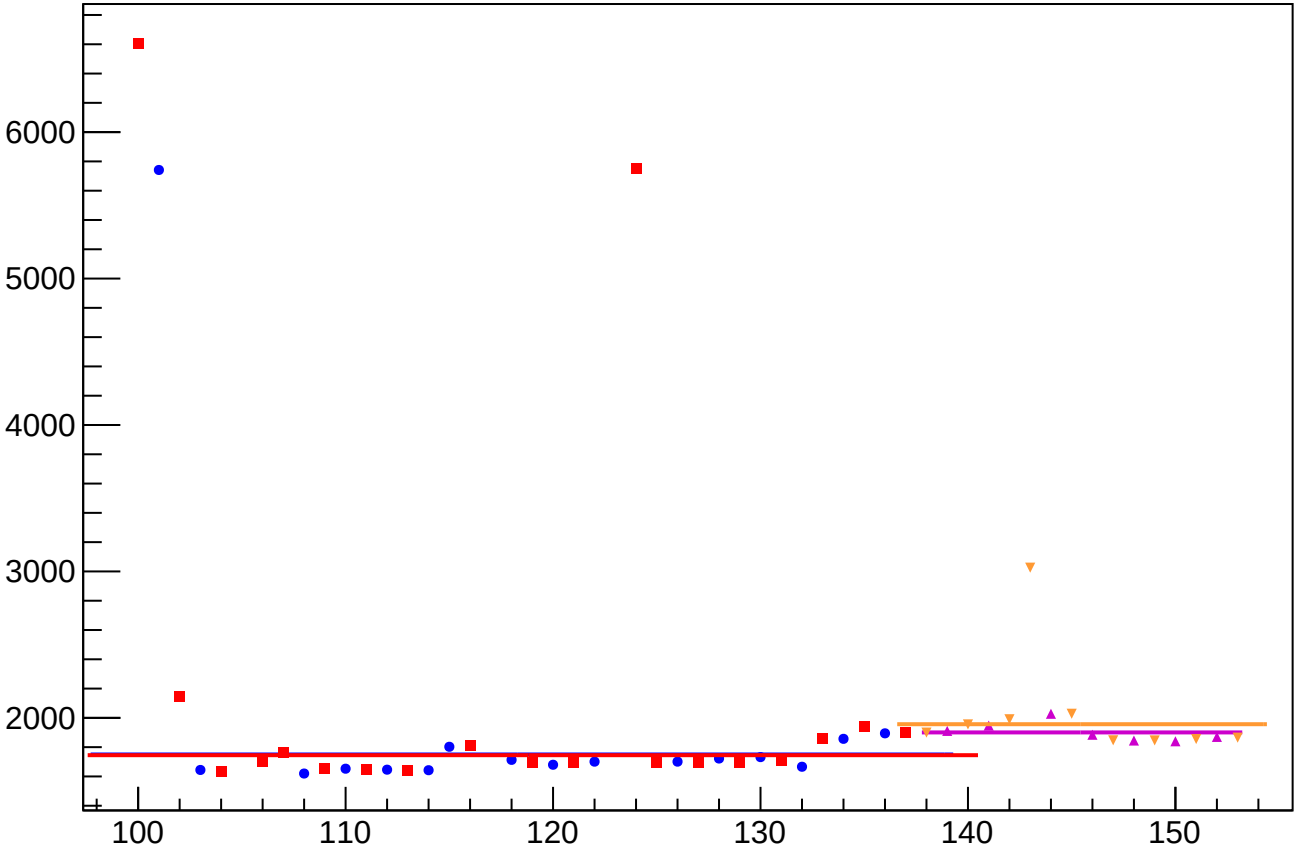
Left In: -292.710+/-767.507 χ^2/NDF:8.0/6

+ sign 540.145+/-496.711 χ^2/NDF: 32.4/24

All: 193.850+/-351.805 χ^2/NDF: 50.5/50

- sign -154.731+/-498.347 χ^2/NDF: 17.1/25

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1956.720+/-0.526 χ^2/NDF:228367.8/8

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

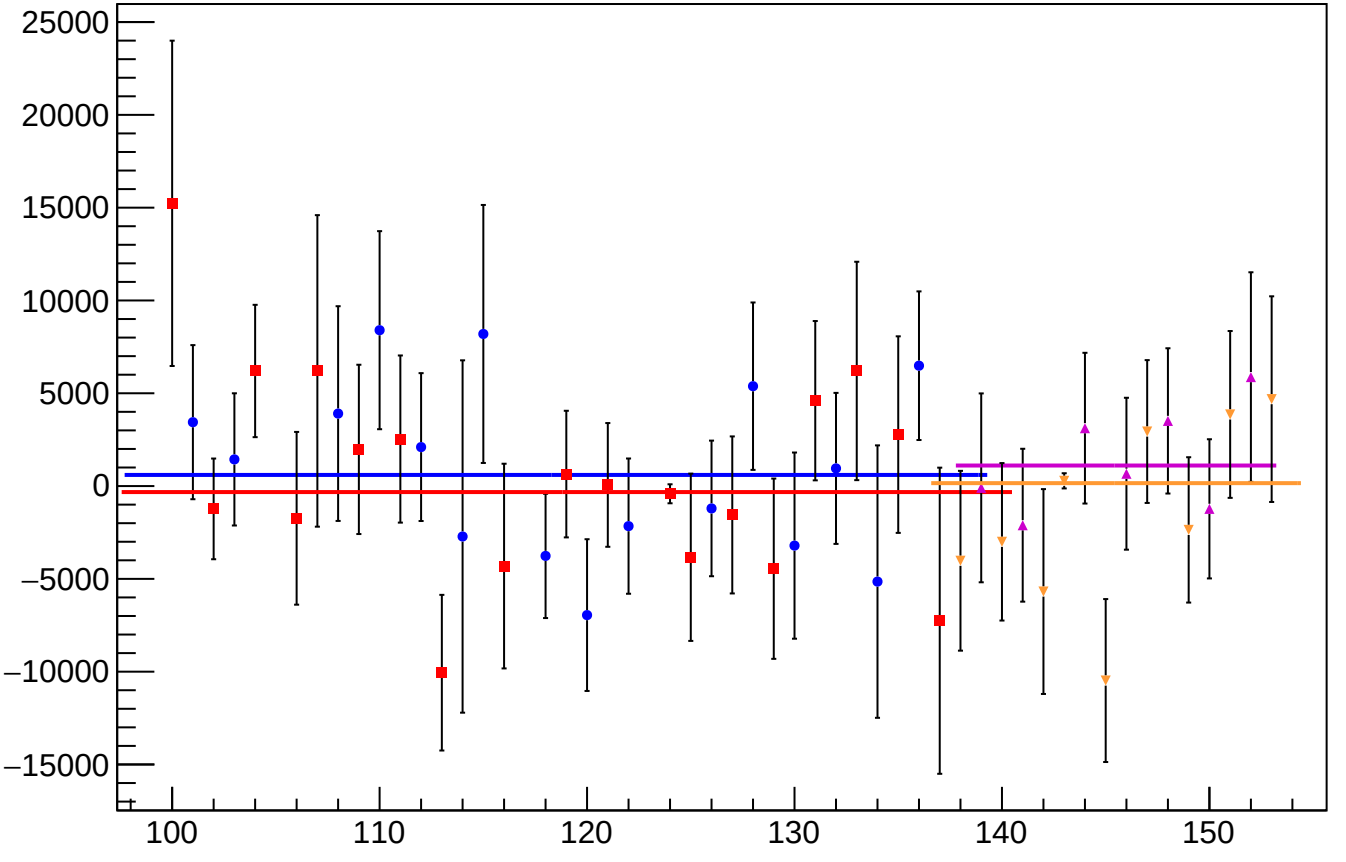
Left In: 1900.634+/-0.543 χ^2/NDF:12218.7/6

+ sign 1842.014+/-0.351 χ^2/NDF: 983628.4/24

All: 1826.245+/-0.248 χ^2/NDF: 1345463.8/50

- sign 1810.441+/-0.352 χ^2/NDF: 357799.5/25

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 157.724+/-396.156 χ^2/NDF:10.7/8

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

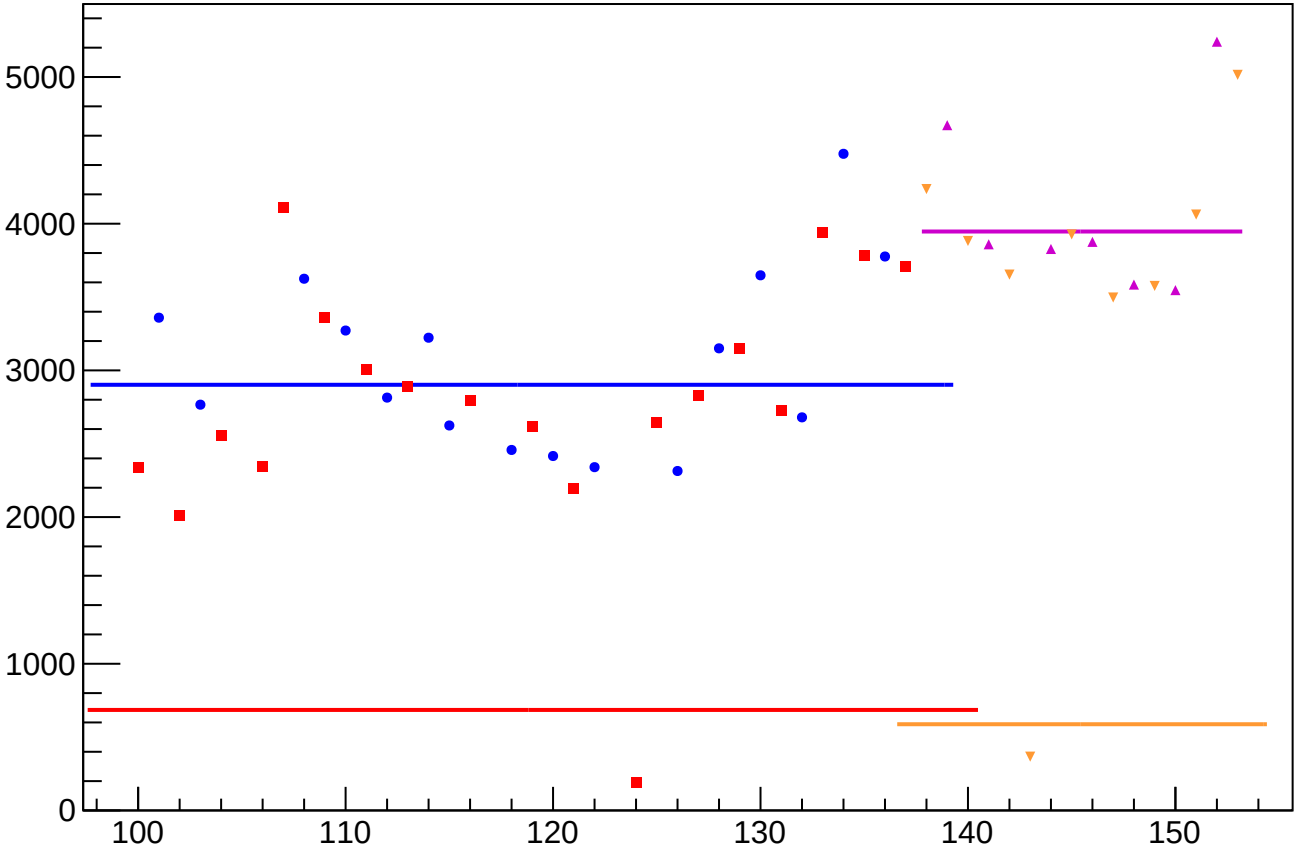
Left In: 1107.114+/-1610.114 χ^2/NDF:2.4/6

+ sign 208.515+/-372.726 χ^2/NDF: 25.7/24

All: 31.877+/-284.749 χ^2/NDF: 48.3/50

- sign -215.726+/-441.292 χ^2/NDF: 22.1/25

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 587.786+/-0.280 χ^2/NDF:9478821.6/8

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

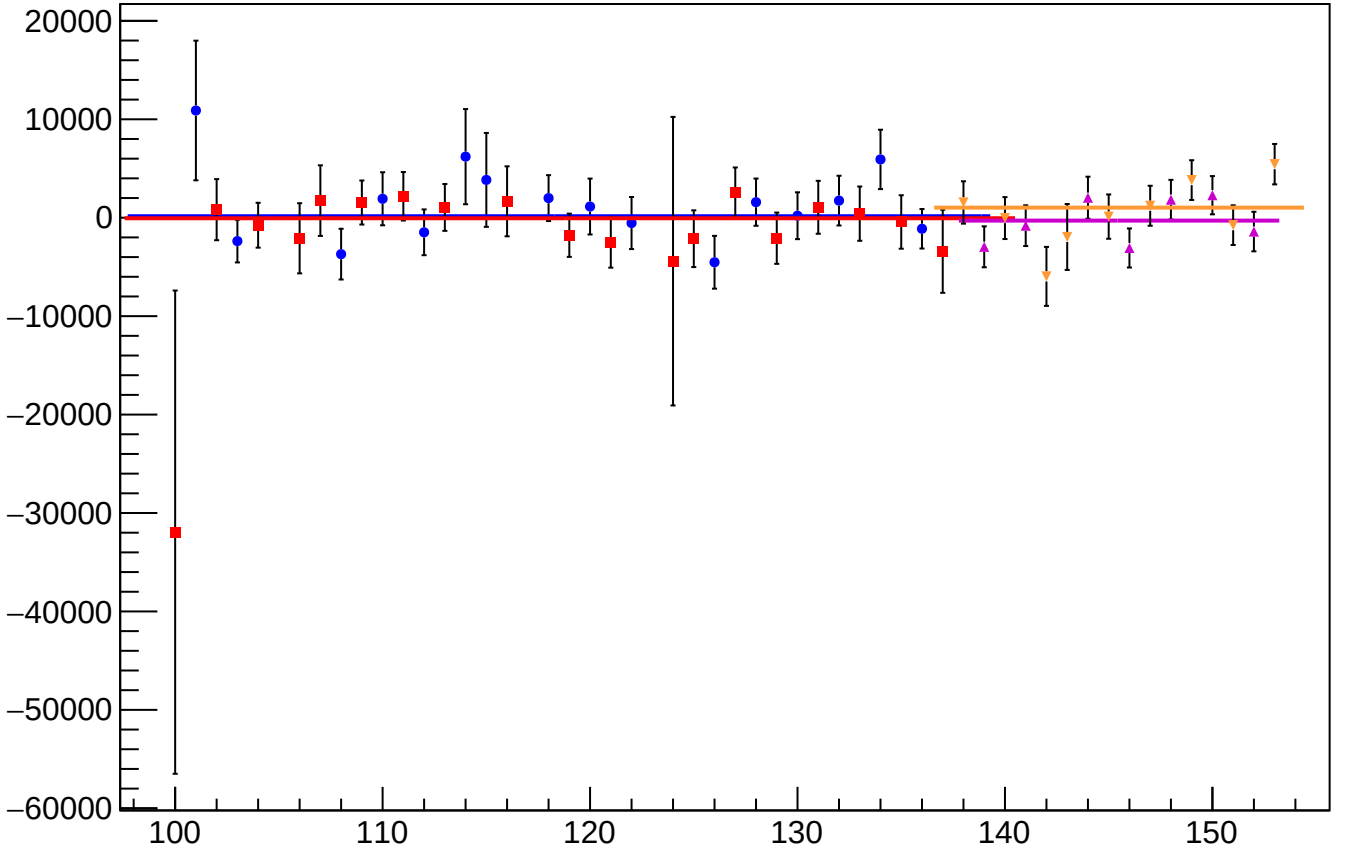
Left In: 3946.737+/-1.139 χ^2/NDF:188639.4/6

+ sign 853.413+/-0.264 χ^2/NDF: 17793117.1/24

All: 885.405+/-0.201 χ^2/NDF: 35712782.6/50

- sign 930.249+/-0.312 χ^2/NDF: 17884277.8/25

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1025.473+/-744.202 χ^2/NDF:14.0/8

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

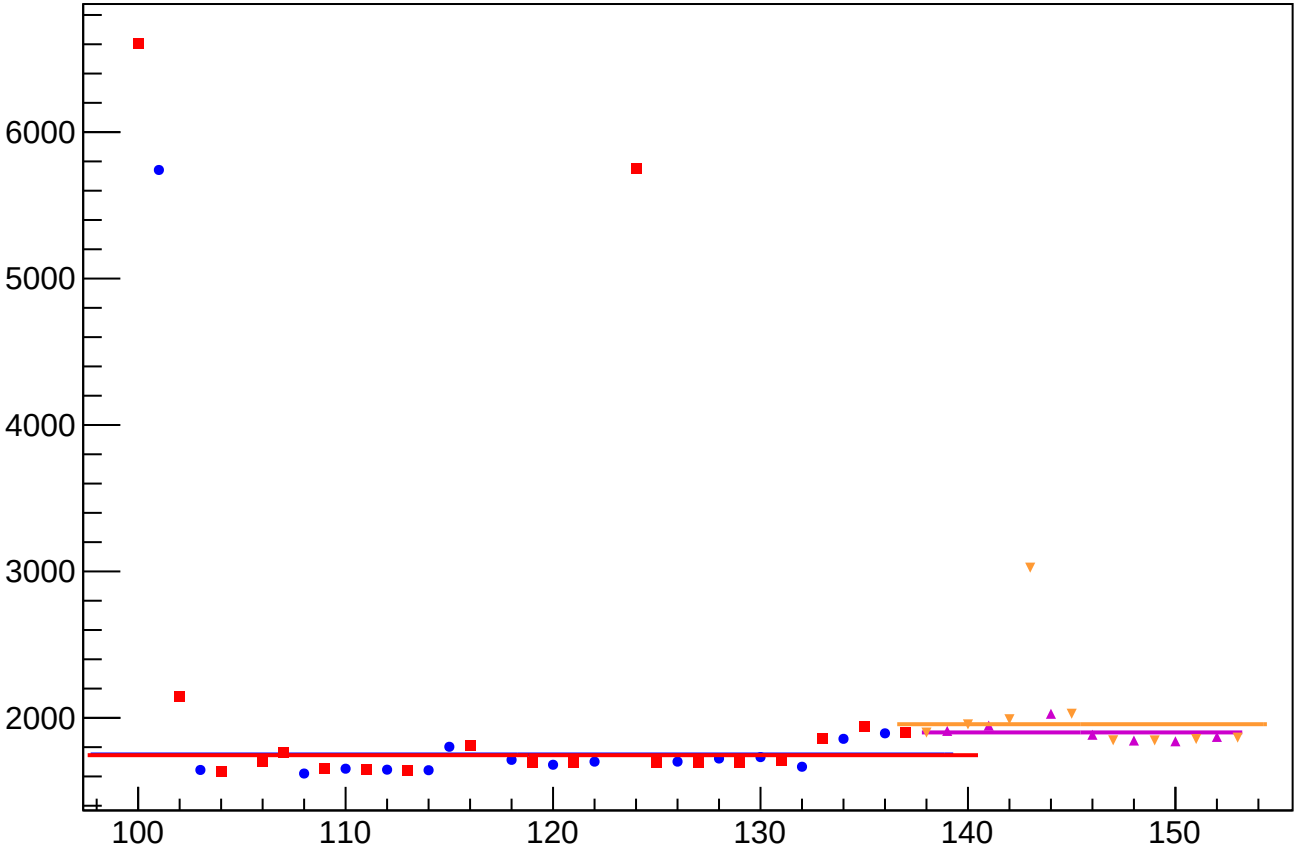
Left In: -292.710+/-767.507 χ^2/NDF:8.0/6

+ sign 540.145+/-496.711 χ^2/NDF: 32.4/24

All: 193.850+/-351.805 χ^2/NDF: 50.5/50

- sign -154.731+/-498.347 χ^2/NDF: 17.1/25

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1956.720+/-0.526 χ^2/NDF:228367.8/8

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

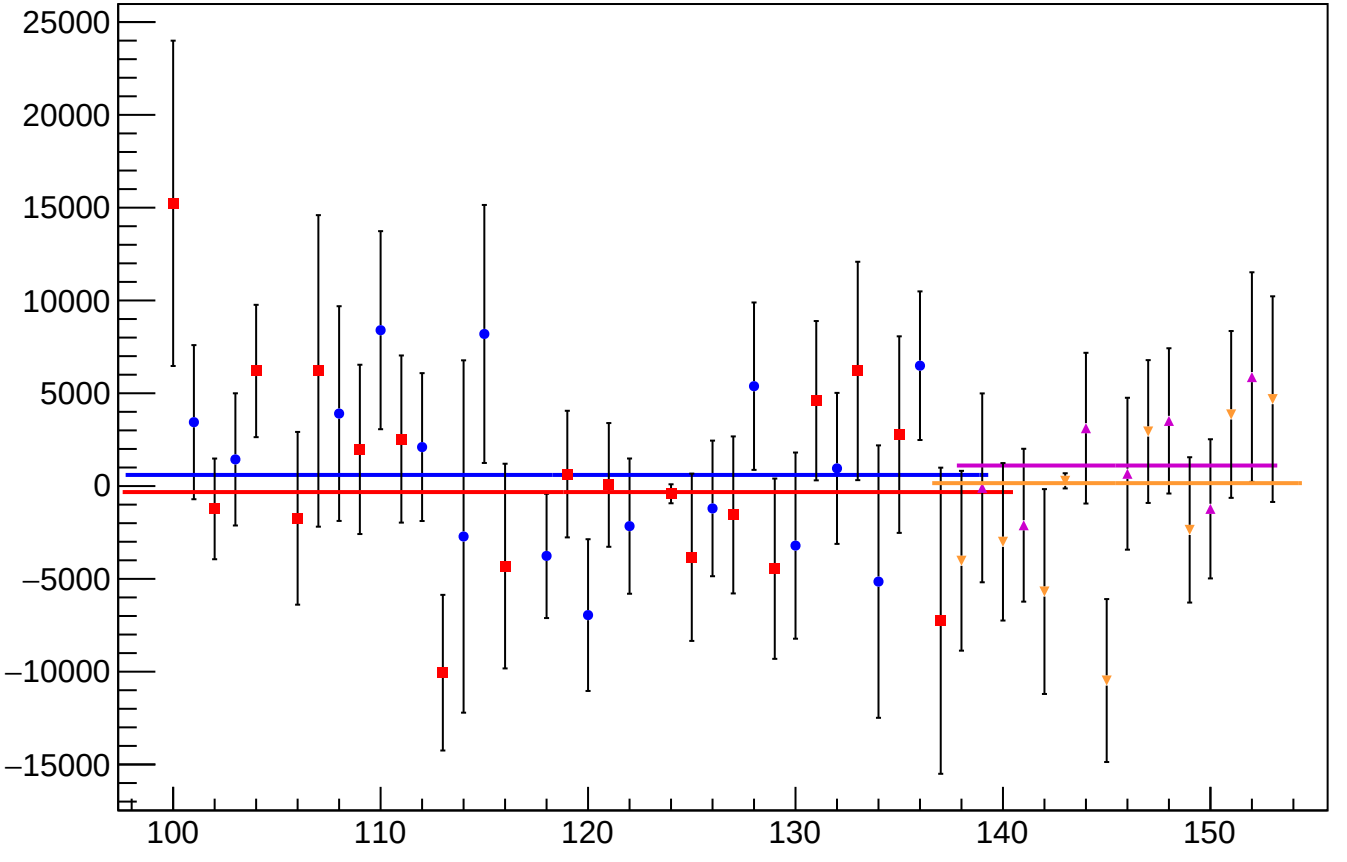
Left In: 1900.634+/-0.543 χ^2/NDF:12218.7/6

+ sign 1842.014+/-0.351 χ^2/NDF: 983628.4/24

All: 1826.245+/-0.248 χ^2/NDF: 1345463.8/50

- sign 1810.441+/-0.352 χ^2/NDF: 357799.5/25

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 157.724+/-396.156 χ^2/NDF:10.7/8

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

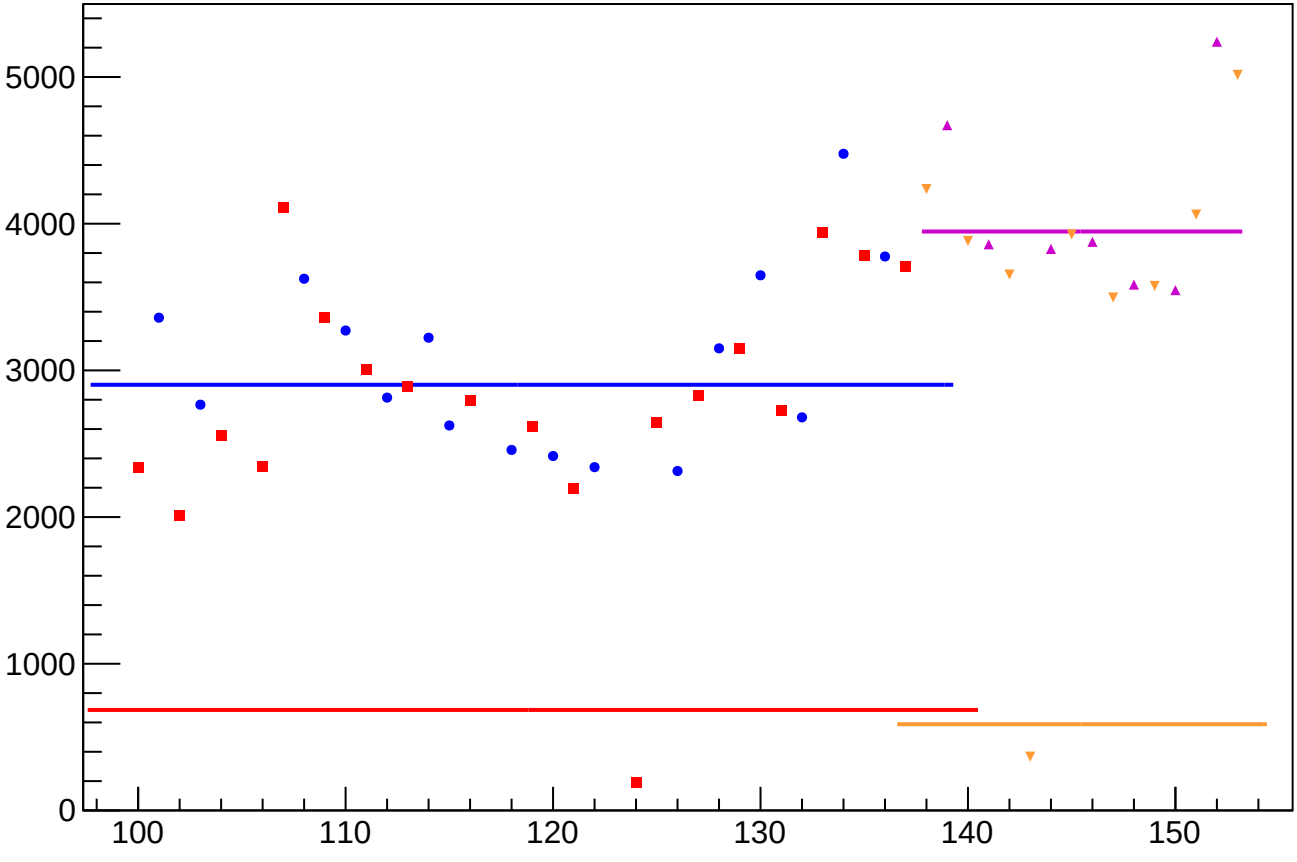
Left In: 1107.114+/-1610.114 χ^2/NDF:2.4/6

+ sign 208.515+/-372.726 χ^2/NDF: 25.7/24

All: 31.877+/-284.749 χ^2/NDF: 48.3/50

- sign -215.726+/-441.292 χ^2/NDF: 22.1/25

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 587.786+/-0.280 χ^2/NDF:9478821.6/8

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

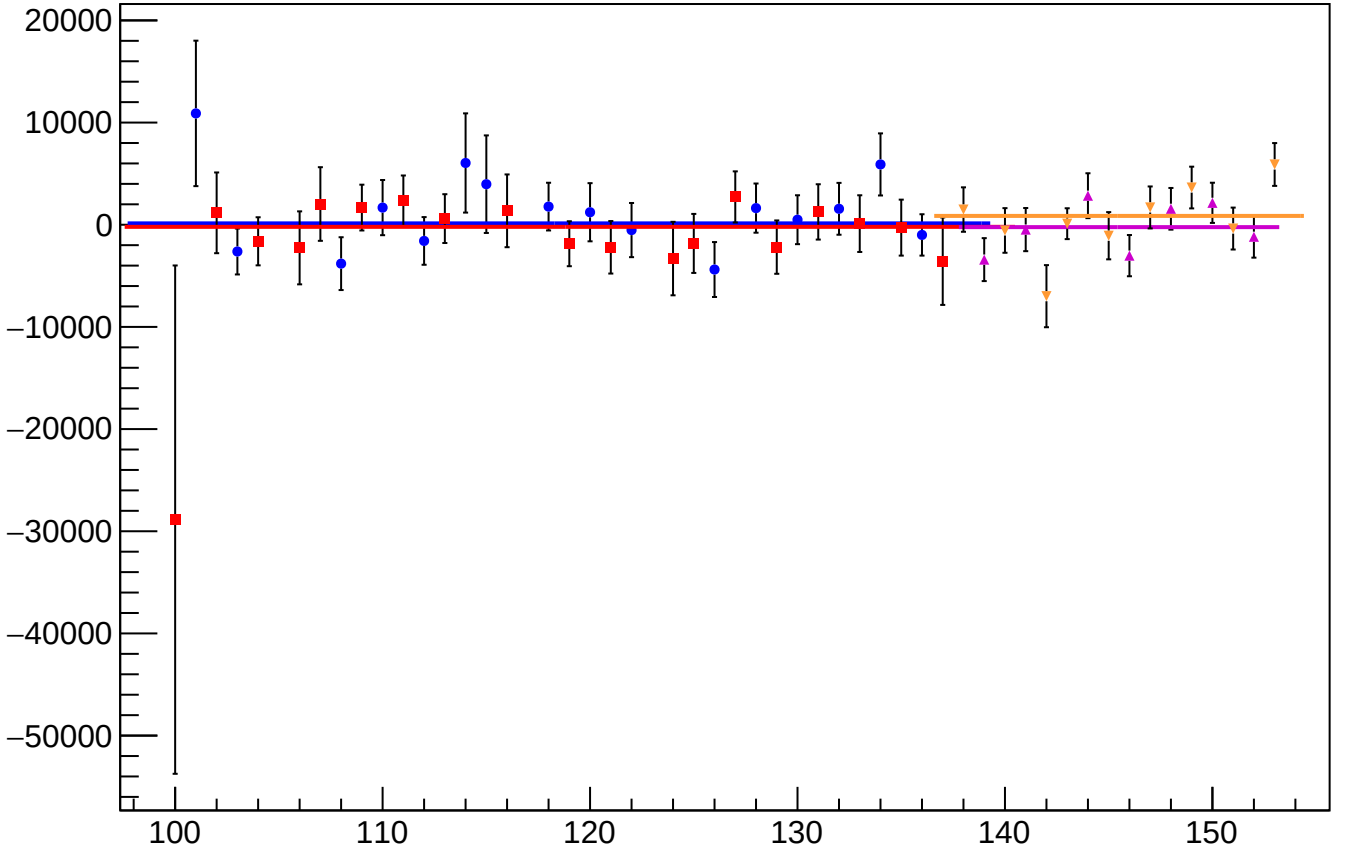
Left In: 3946.737+/-1.139 χ^2/NDF:188639.4/6

+ sign 853.413+/-0.264 χ^2/NDF: 17793117.1/24

All: 885.405+/-0.201 χ^2/NDF: 35712782.6/50

- sign 930.249+/-0.312 χ^2/NDF: 17884277.8/25

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 864.687+/-690.498 χ^2/NDF:16.3/8

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

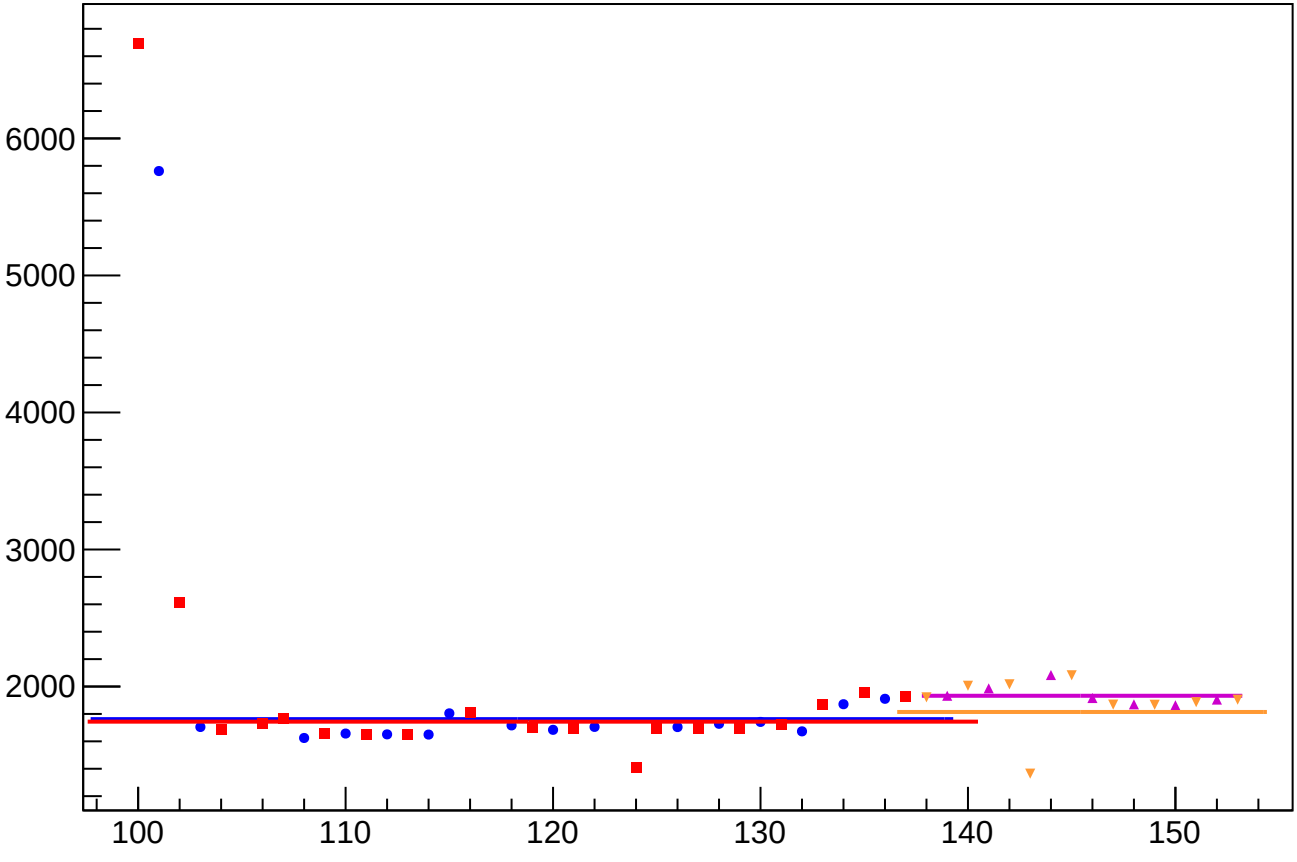
Left In: -233.389+/-780.564 χ^2/NDF:8.6/6

+ sign 489.136+/-481.443 χ^2/NDF: 34.1/24

All: 150.486+/-347.306 χ^2/NDF: 53.5/50

- sign -216.968+/-501.500 χ^2/NDF: 18.3/25

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1814.360+/-0.488 χ^2/NDF:242353.4/8

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

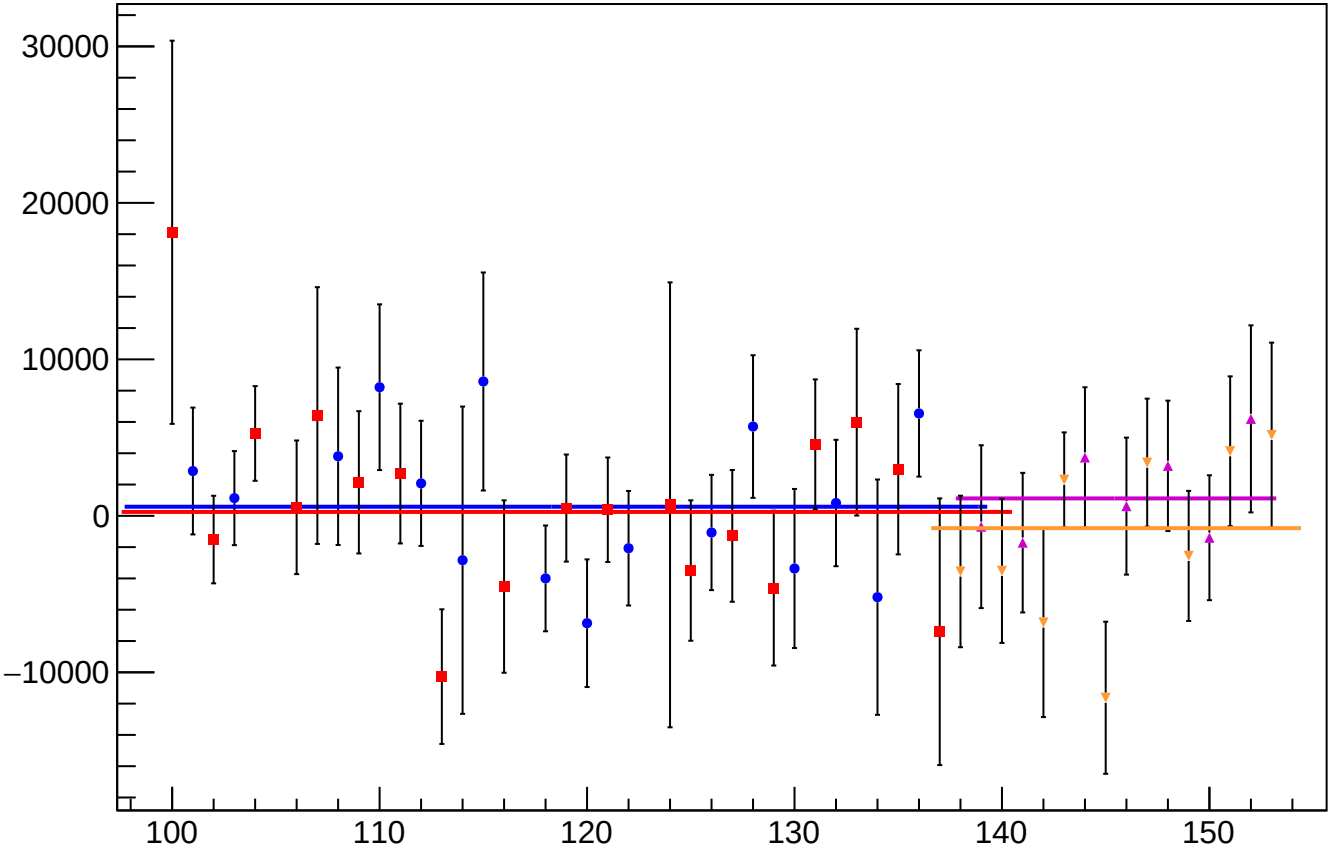
Left In: 1932.600+/-0.552 χ^2/NDF:15681.3/6

+ sign 1787.481+/-0.340 χ^2/NDF: 915947.9/24

All: 1803.790+/-0.245 χ^2/NDF: 1233096.3/50

- sign 1821.425+/-0.354 χ^2/NDF: 312372.0/25

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -787.663+/-1476.454 χ^2/NDF:11.0/8

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

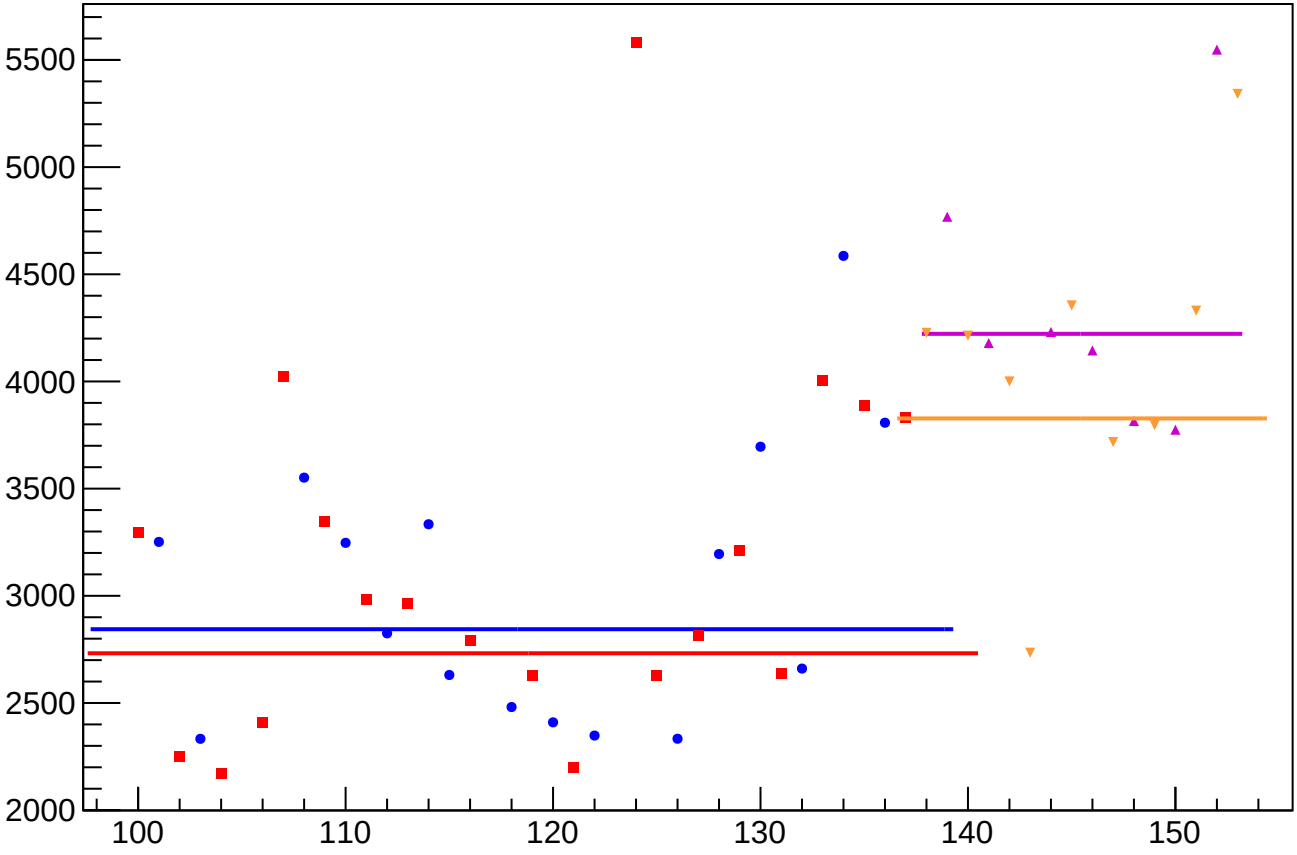
Left In: 1113.141+/-1721.396 χ^2/NDF:2.2/6

+ sign 103.880+/-872.464 χ^2/NDF: 26.4/24

All: 288.131+/-618.930 χ^2/NDF: 46.9/50

- sign 474.796+/-878.161 χ^2/NDF: 20.4/25

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3827.567+/-1.044 χ^2/NDF:468871.9/8

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

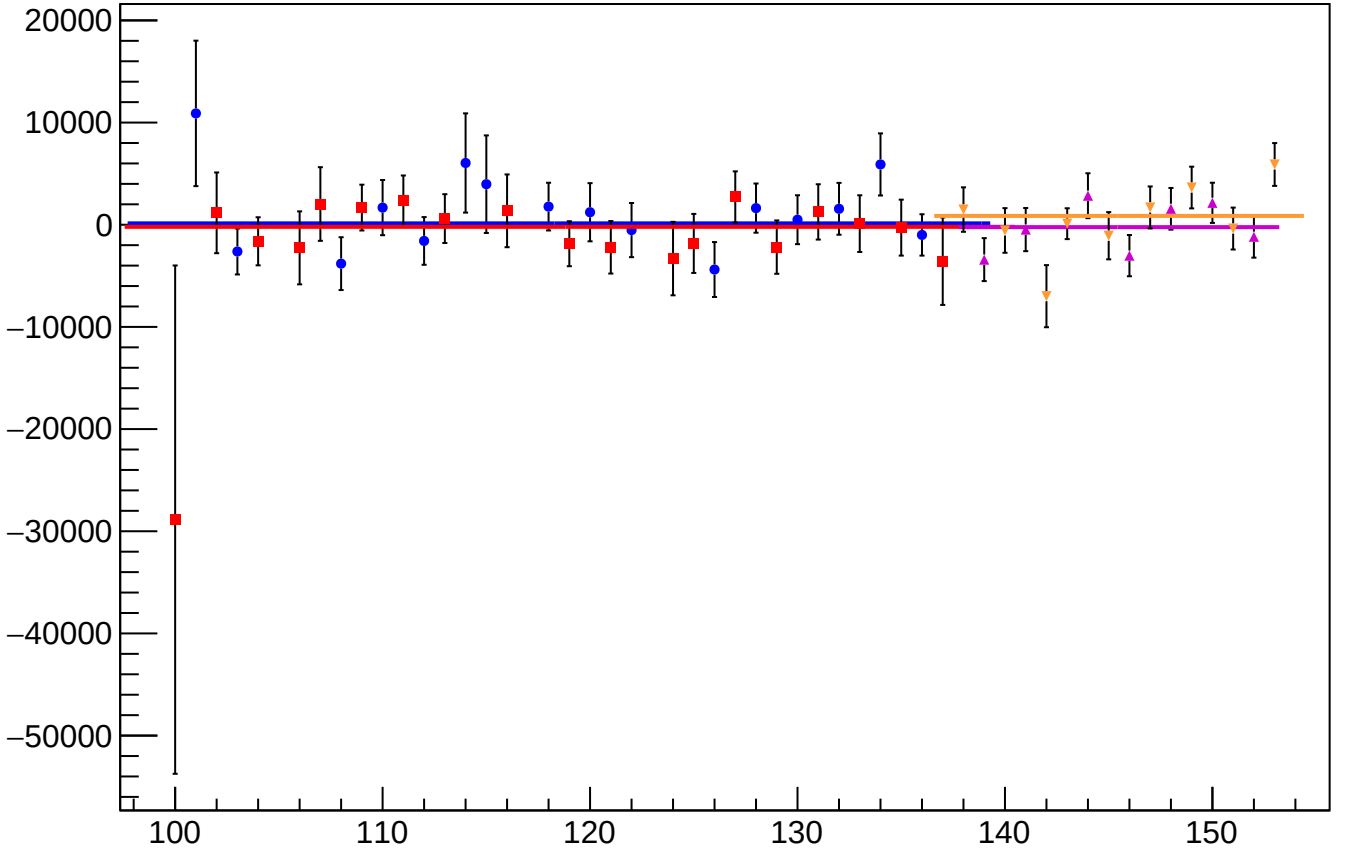
Left In: 4222.230+/-1.217 χ^2/NDF:165463.0/6

+ sign 3187.546+/-0.617 χ^2/NDF: 1588363.1/24

All: 3153.900+/-0.438 χ^2/NDF: 3479943.4/50

- sign 3119.812+/-0.621 χ^2/NDF: 1885592.3/25

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 864.682+/-690.498 χ^2/NDF:16.3/8

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

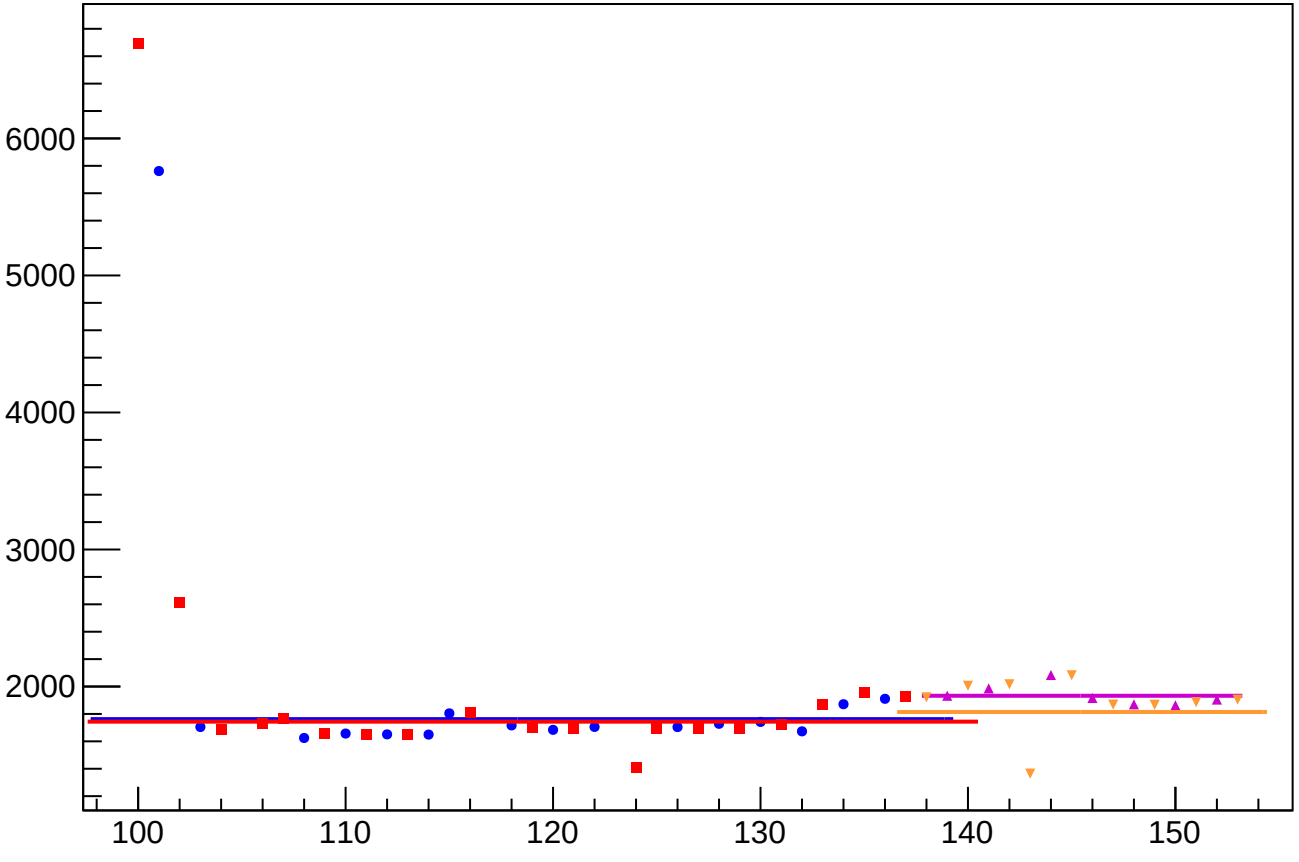
Left In: -233.385+/-780.564 χ^2/NDF:8.6/6

\+ sign 489.132+/-481.443 χ^2/NDF: 34.1/24

All: 150.486+/-347.306 χ^2/NDF: 53.5/50

\- sign -216.965+/-501.500 χ^2/NDF: 18.3/25

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1814.361+/-0.488 χ^2/NDF:242354.3/8

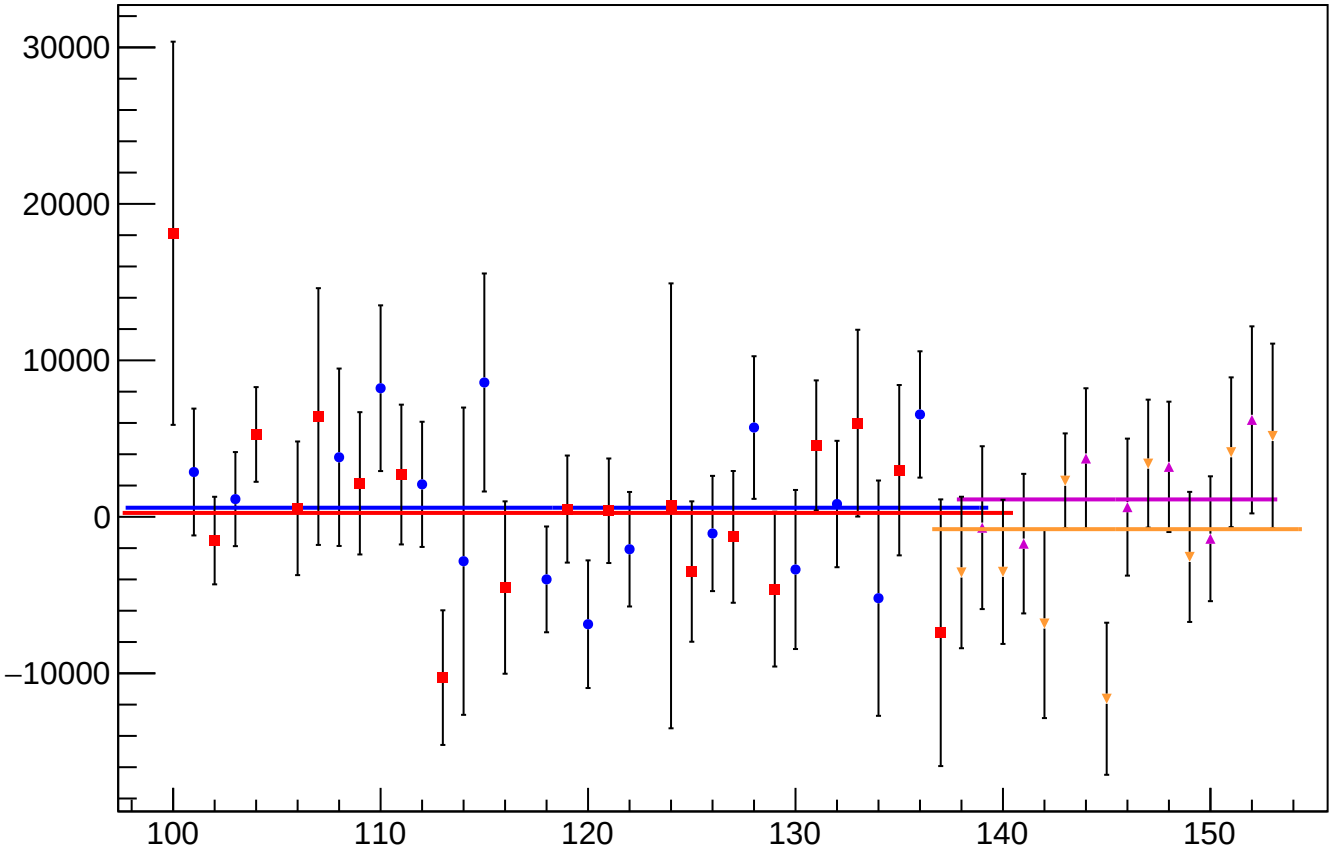
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1932.601+/-0.552 χ^2/NDF:15681.5/6

+ sign 1787.482+/-0.340 χ^2/NDF: 915948.9/24

All: 1803.790+/-0.245 χ^2/NDF: 1233098.1/50

- sign 1821.425+/-0.354 χ^2/NDF: 312372.8/25



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -787.660+/-1476.456 χ^2/NDF:11.0/8

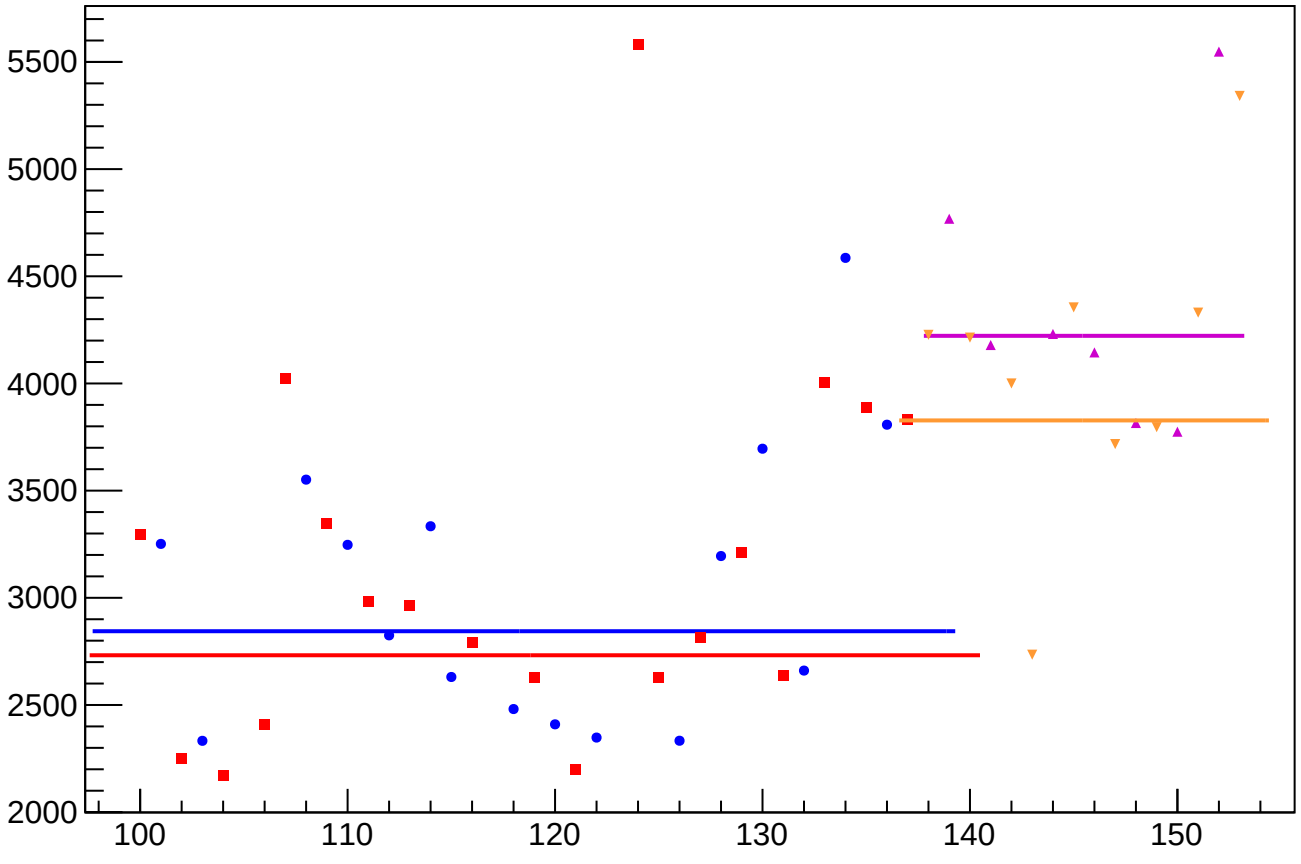
Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: 1113.142+/-1721.398 χ^2/NDF:2.2/6

+ sign 103.880+/-872.463 χ^2/NDF: 26.4/24

All: 288.131+/-618.929 χ^2/NDF: 46.9/50

- sign 474.796+/-878.160 χ^2/NDF: 20.4/25



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3827.571+/-1.044 χ^2/NDF:468875.9/8

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

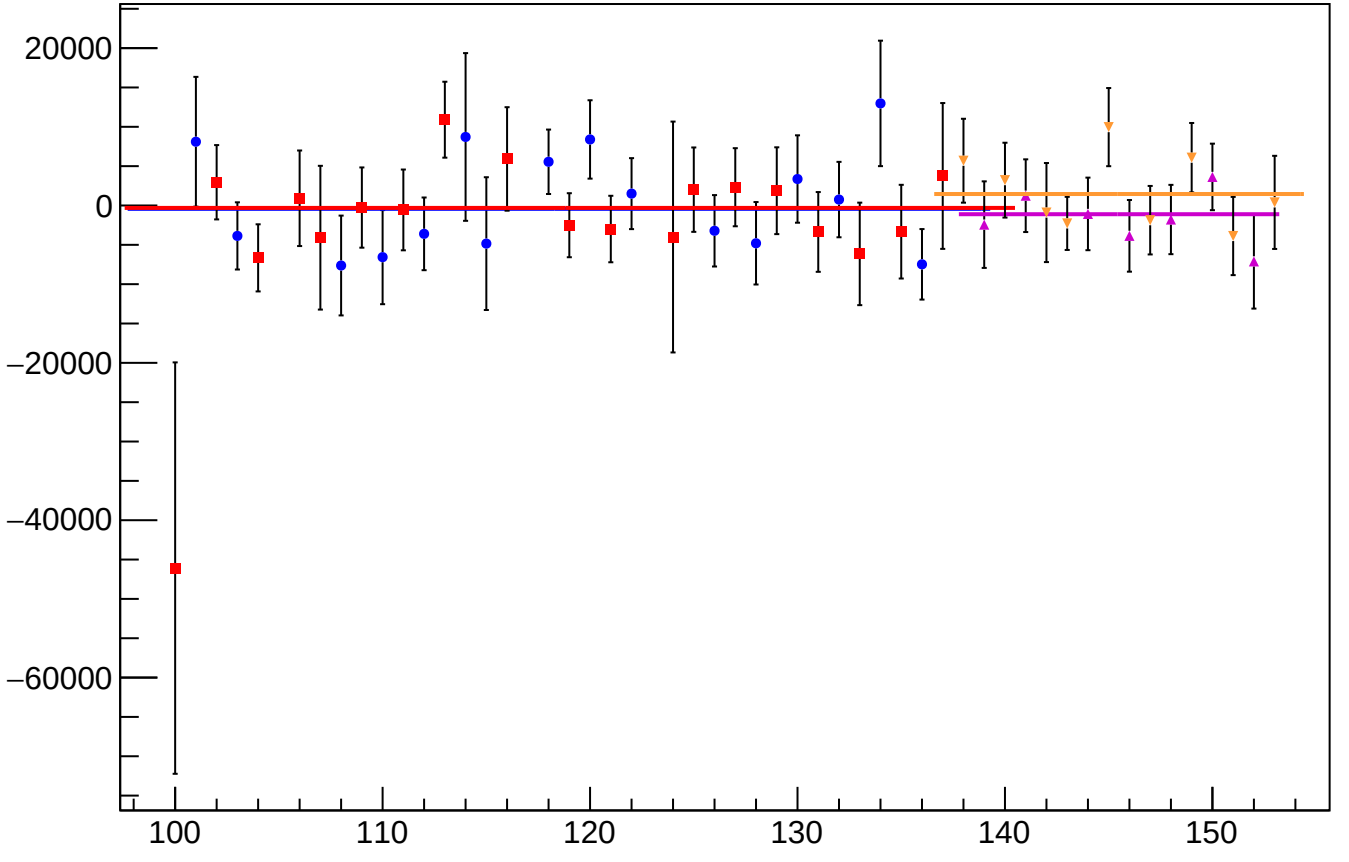
Left In: 4222.235+/-1.217 χ^2/NDF:165465.0/6

+ sign 3187.541+/-0.617 χ^2/NDF: 1588384.4/24

All: 3153.894+/-0.438 χ^2/NDF: 3479979.0/50

- sign 3119.807+/-0.621 χ^2/NDF: 1885606.7/25

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1458.346+/-1569.139 χ^2/NDF:7.9/8

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

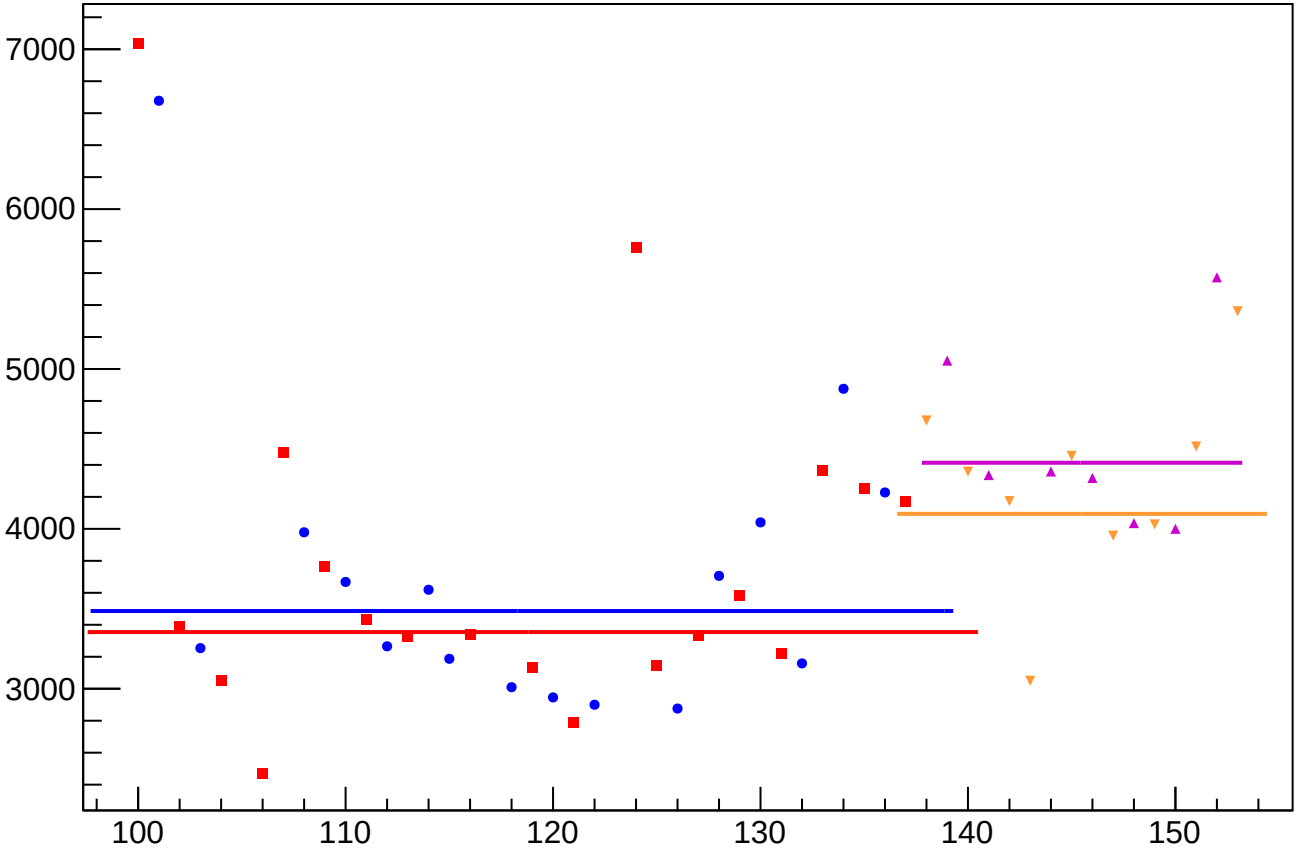
Left In: -1108.781+/-1794.854 χ^2/NDF:3.0/6

+ sign 361.572+/-1013.362 χ^2/NDF: 26.7/24

All: -95.448+/-725.730 χ^2/NDF: 45.4/50

- sign -576.649+/-1039.823 χ^2/NDF: 18.4/25

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4093.786+/-1.110 χ^2/NDF:341016.0/8

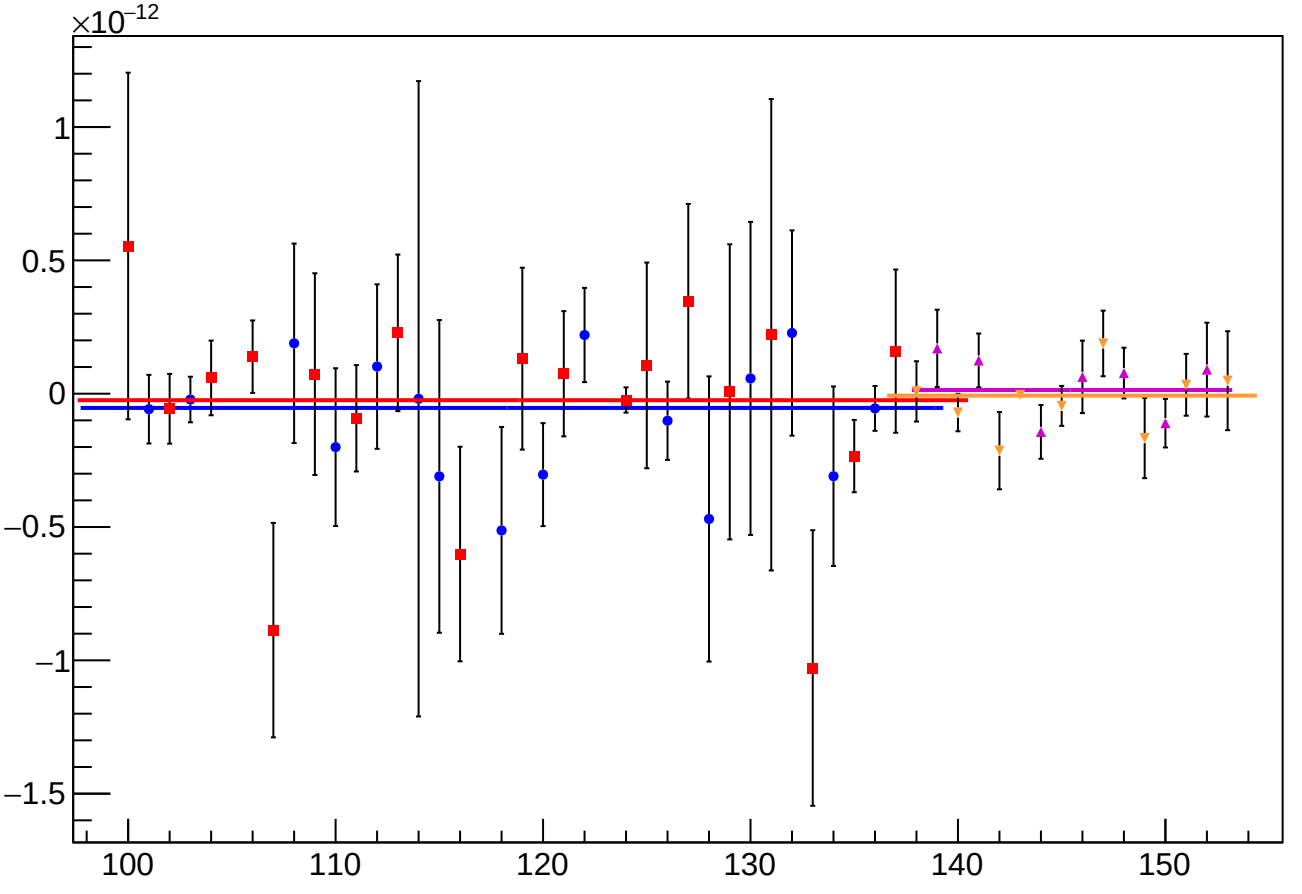
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4413.483+/-1.269 χ^2/NDF:137170.9/6

+ sign 3739.585+/-0.717 χ^2/NDF: 1111626.0/24

All: 3721.729+/-0.511 χ^2/NDF: 2093440.1/50

- sign 3703.278+/-0.728 χ^2/NDF: 980551.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/8

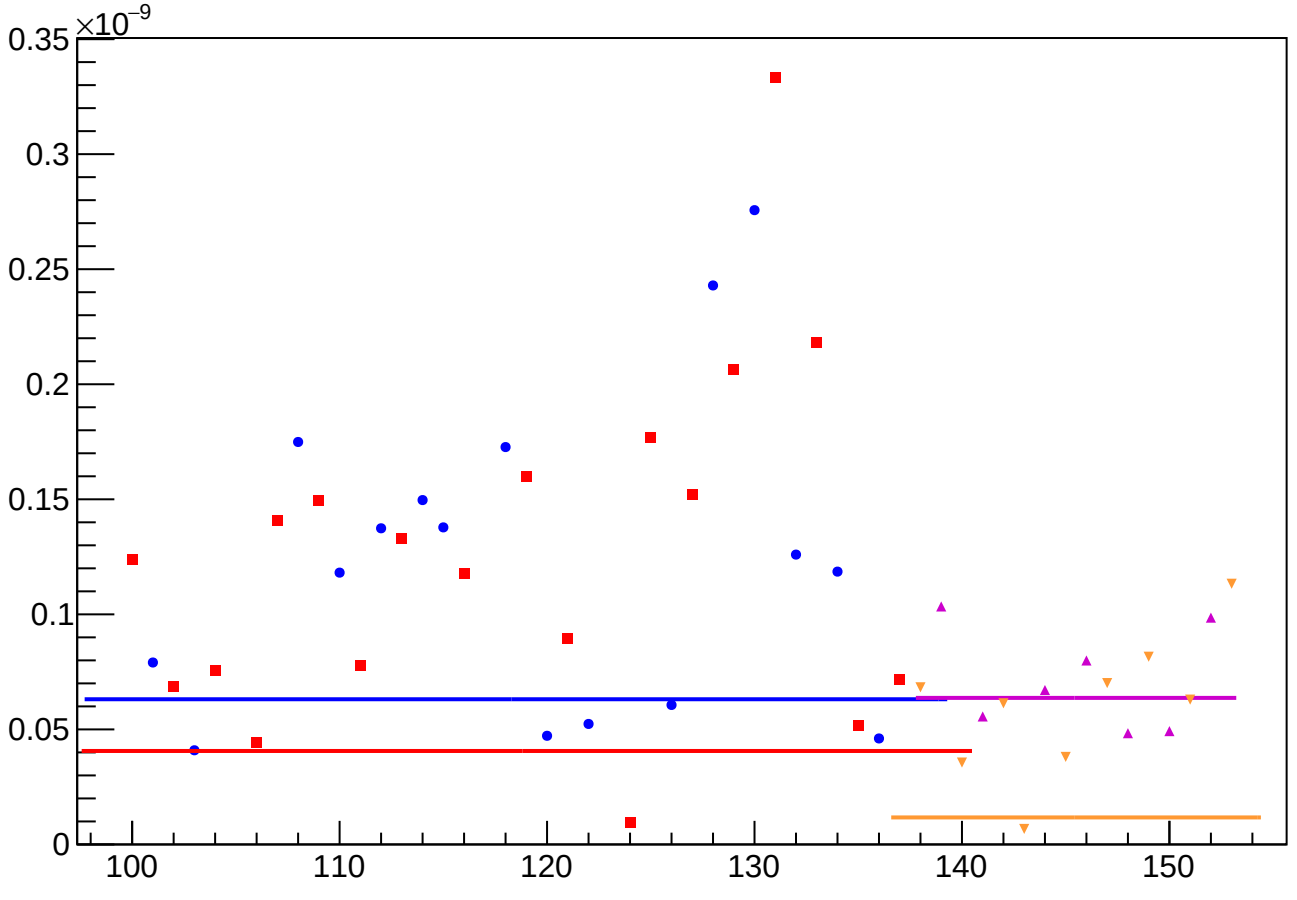
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 16.6/24

All: -0.000+/-0.000 χ^2/NDF: 42.9/50

- sign -0.000+/-0.000 χ^2/NDF: 26.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3381955.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

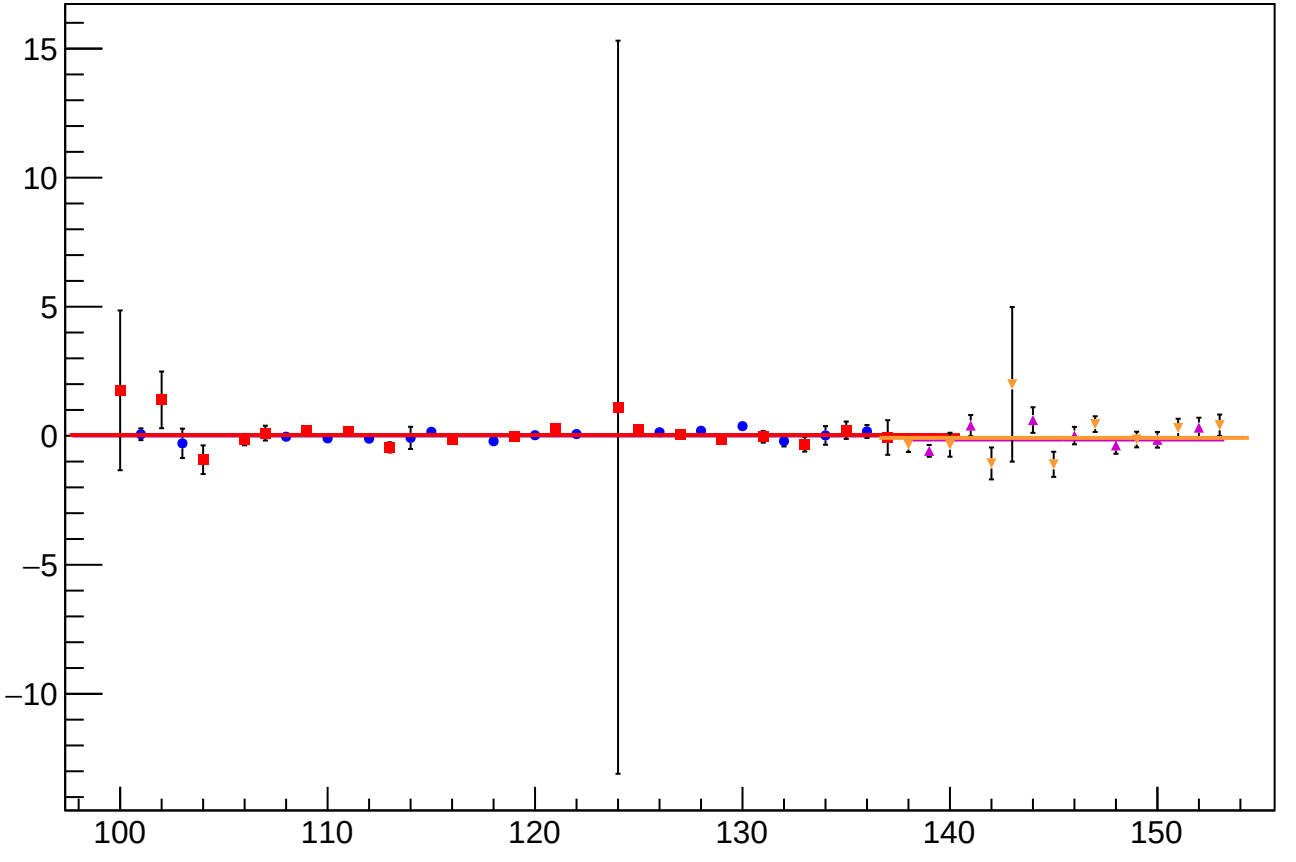
Left In: 0.000+/-0.000 χ^2/NDF:374688.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 7295766.7/24

All: 0.000+/-0.000 χ^2/NDF: 13956521.4/50

- sign 0.000+/-0.000 χ^2/NDF: 3895242.7/25

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.083+/-0.131 χ^2/NDF:14.1/8

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

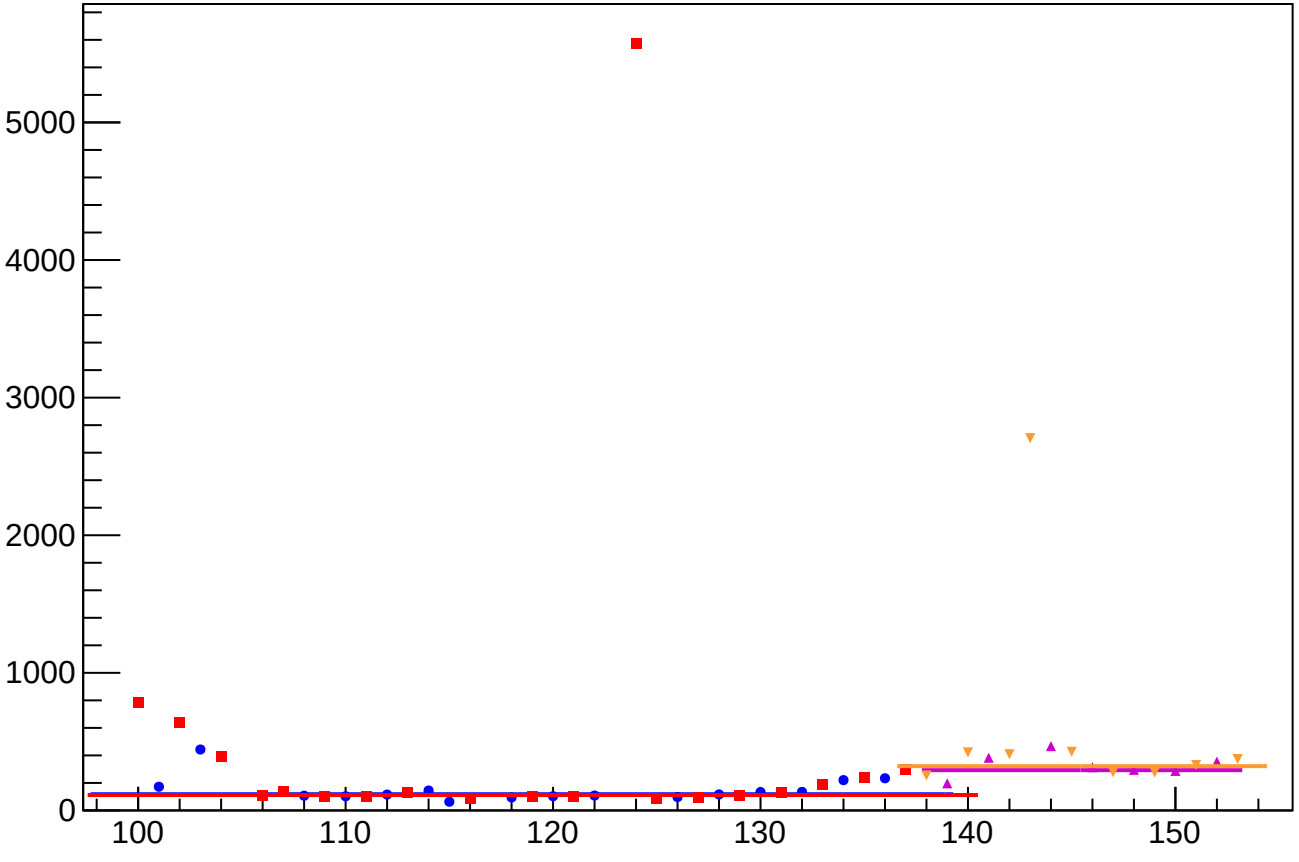
Left In: -0.144+/-0.124 χ^2/NDF:9.9/6

+ sign 0.004+/-0.045 χ^2/NDF: 26.4/24

All: 0.004+/-0.031 χ^2/NDF: 60.1/50

- sign 0.004+/-0.044 χ^2/NDF: 33.6/25

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 321.942+/-0.093 χ^2/NDF:1716165.3/8

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

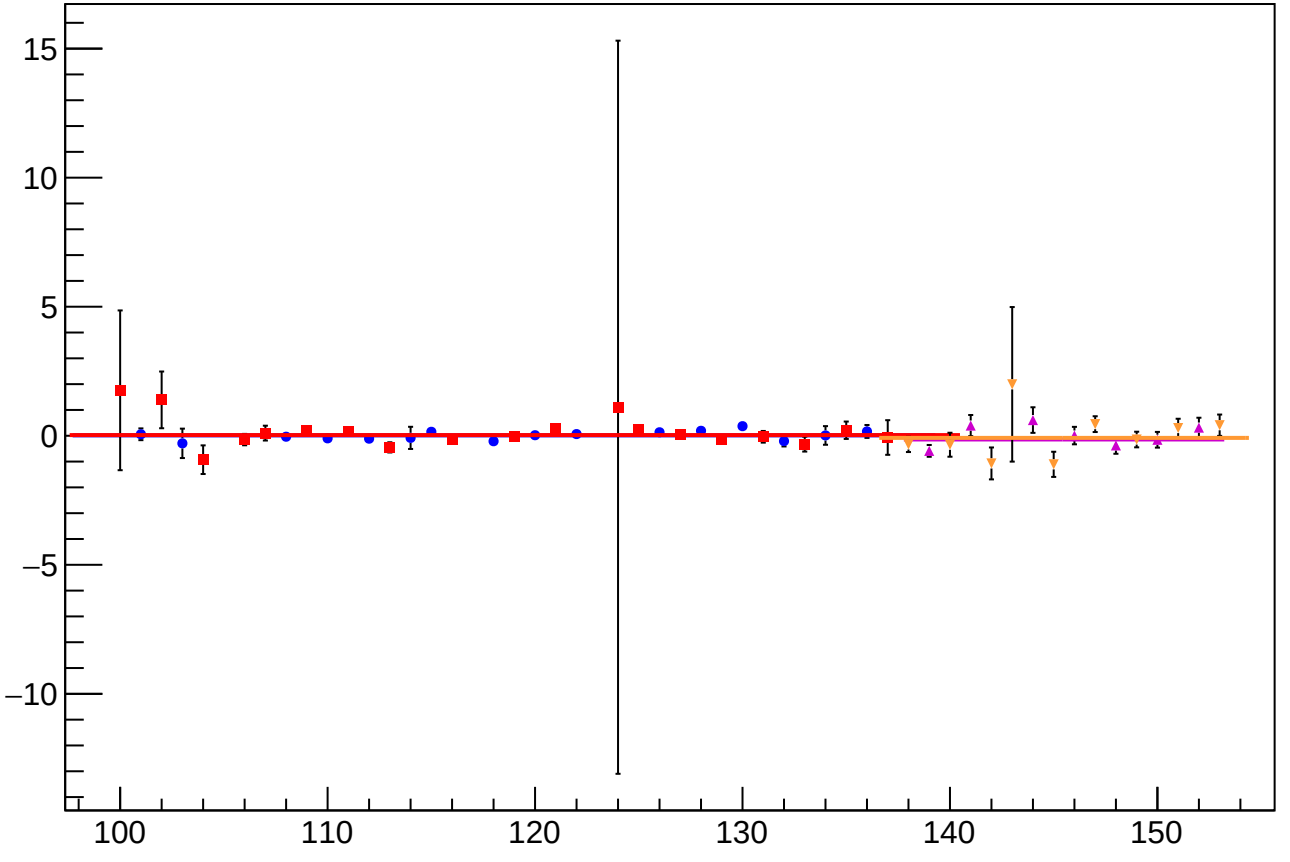
Left In: 292.911+/-0.088 χ^2/NDF:756283.6/6

+ sign 141.719+/-0.032 χ^2/NDF: 7726066.0/24

All: 138.116+/-0.022 χ^2/NDF: 14413459.2/50

- sign 134.697+/-0.031 χ^2/NDF: 6662389.1/25

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.083+/-0.131 χ^2/NDF:14.1/8

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

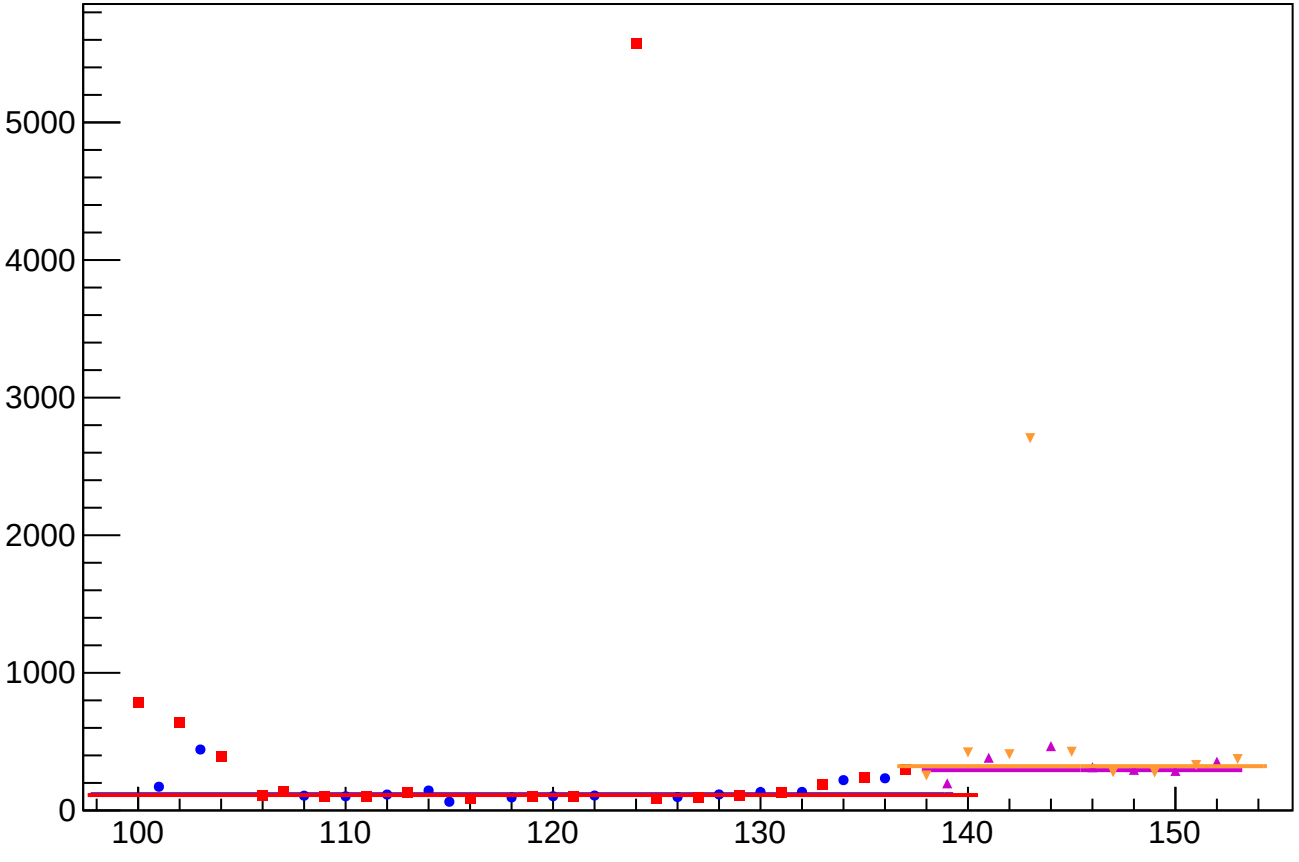
Left In: -0.144+/-0.124 χ^2/NDF:9.9/6

+ sign 0.004+/-0.045 χ^2/NDF: 26.4/24

All: 0.004+/-0.031 χ^2/NDF: 60.1/50

- sign 0.004+/-0.044 χ^2/NDF: 33.6/25

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 321.942+/-0.093 χ^2/NDF:1716165.3/8

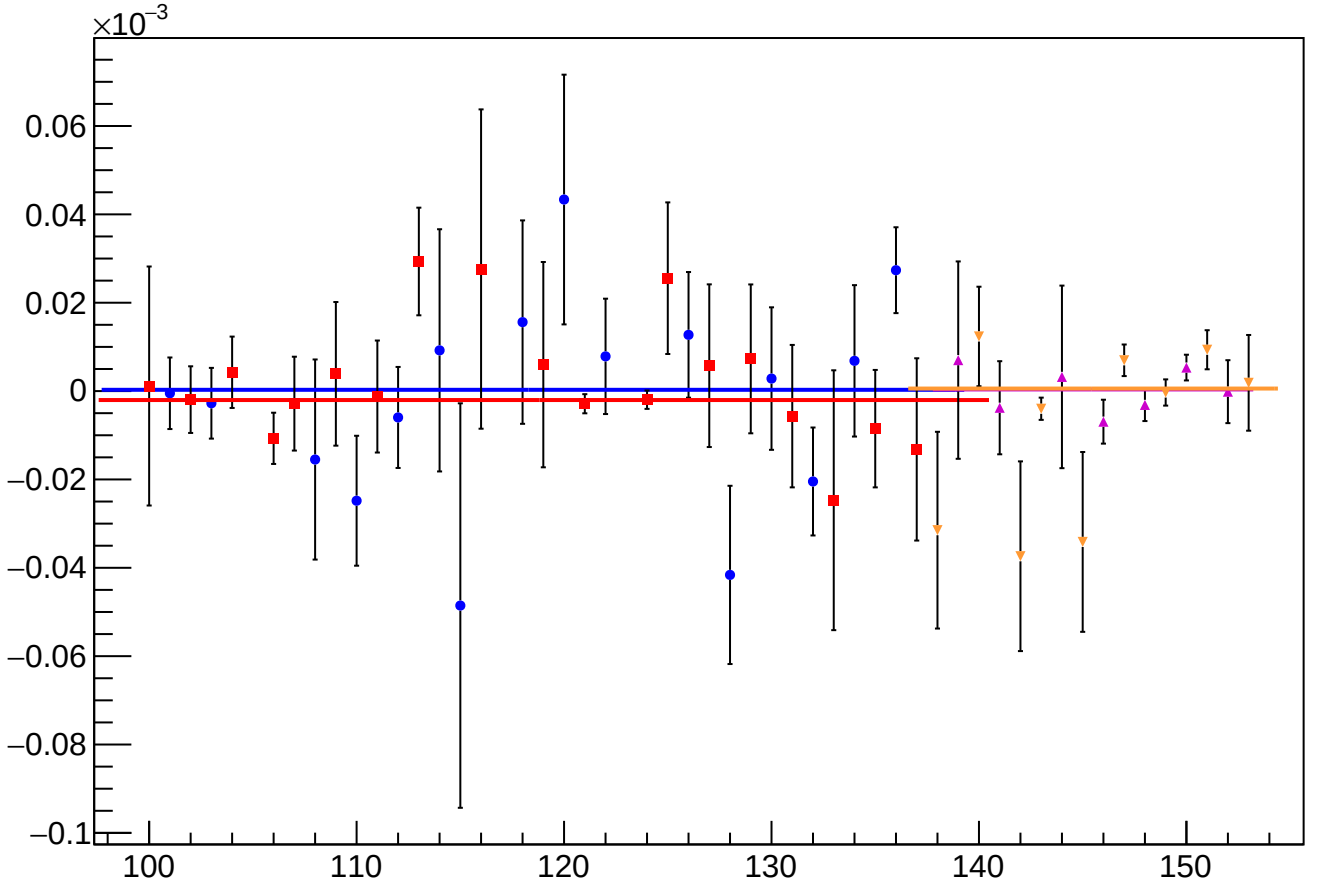
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 292.911+/-0.088 χ^2/NDF:756283.6/6

+ sign 141.719+/-0.032 χ^2/NDF: 7726066.0/24

All: 138.116+/-0.022 χ^2/NDF: 14413459.2/50

- sign 134.697+/-0.031 χ^2/NDF: 6662389.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/8

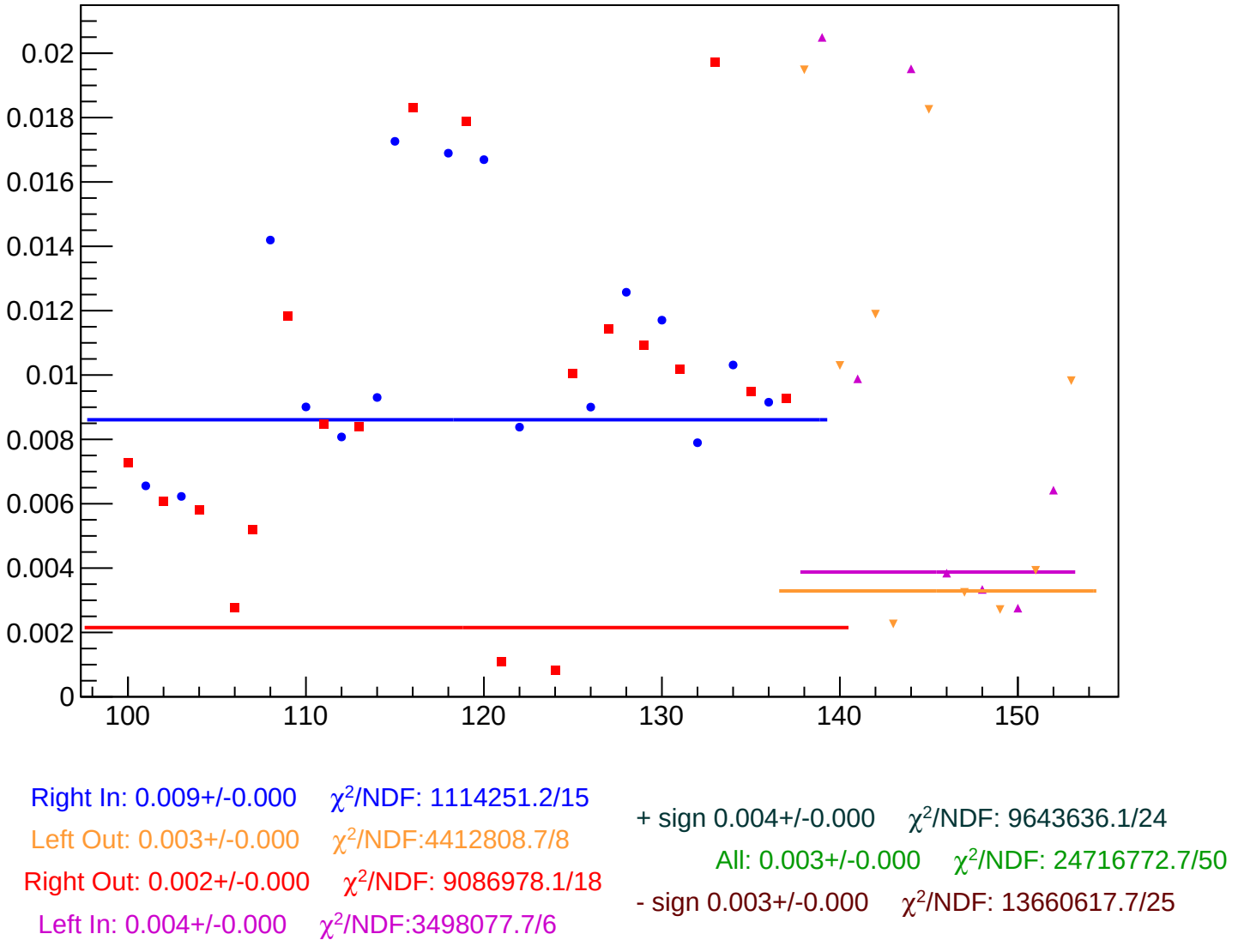
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/6

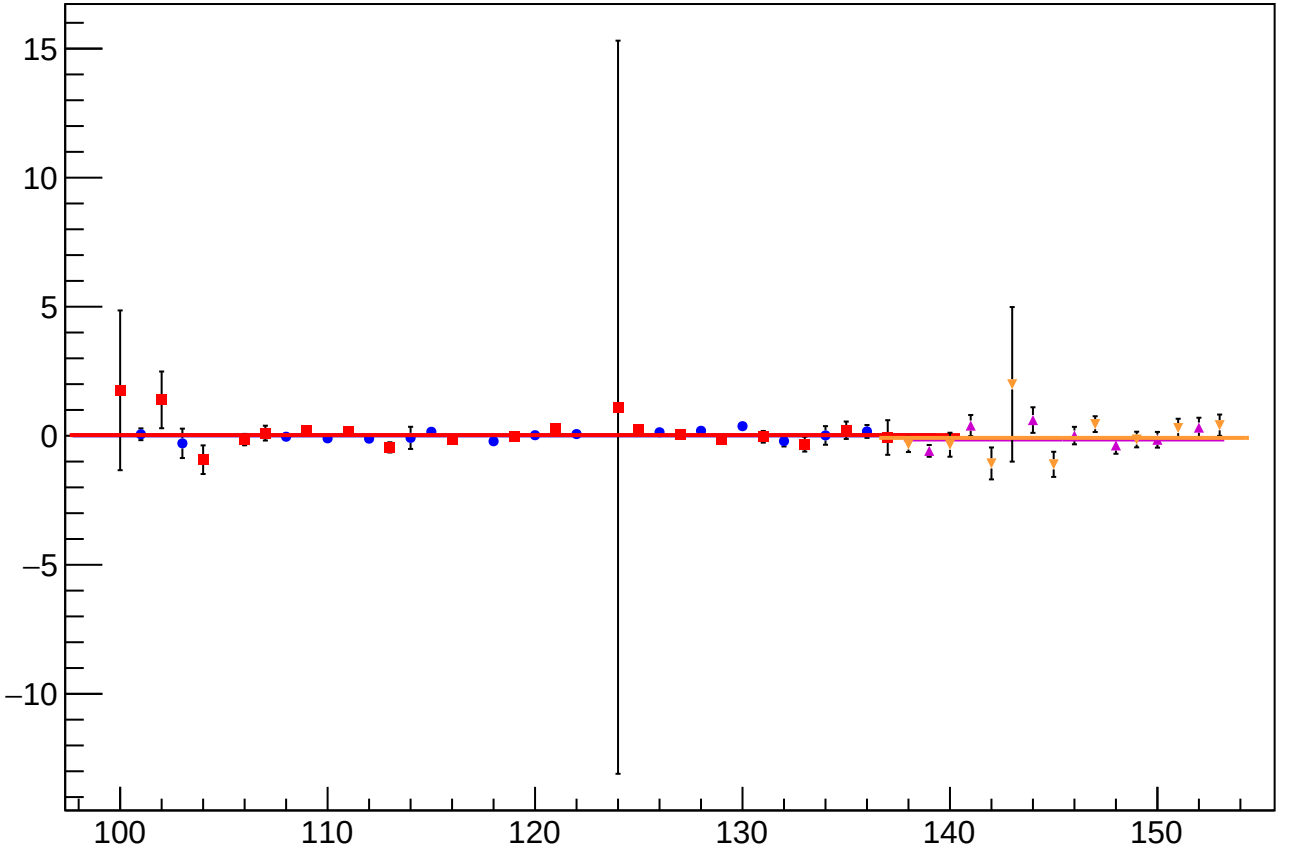
+ sign 0.000+/-0.000 χ^2/NDF: 43.9/24

All: -0.000+/-0.000 χ^2/NDF: 66.9/50

- sign -0.000+/-0.000 χ^2/NDF: 22.1/25


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
Right In: 0.009+/-0.000 χ²/NDF: 1114251.2/15
Left Out: 0.003+/-0.000 χ²/NDF:4412808.7/8
Right Out: 0.002+/-0.000 χ²/NDF: 9086978.1/18
Left In: 0.004+/-0.000 χ²/NDF:3498077.7/6
+ sign 0.004+/-0.000 χ²/NDF: 9643636.1/24
All: 0.003+/-0.000 χ²/NDF: 24716772.7/50
- sign 0.003+/-0.000 χ²/NDF: 13660617.7/25

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.083+/-0.131 χ^2/NDF:14.1/8

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

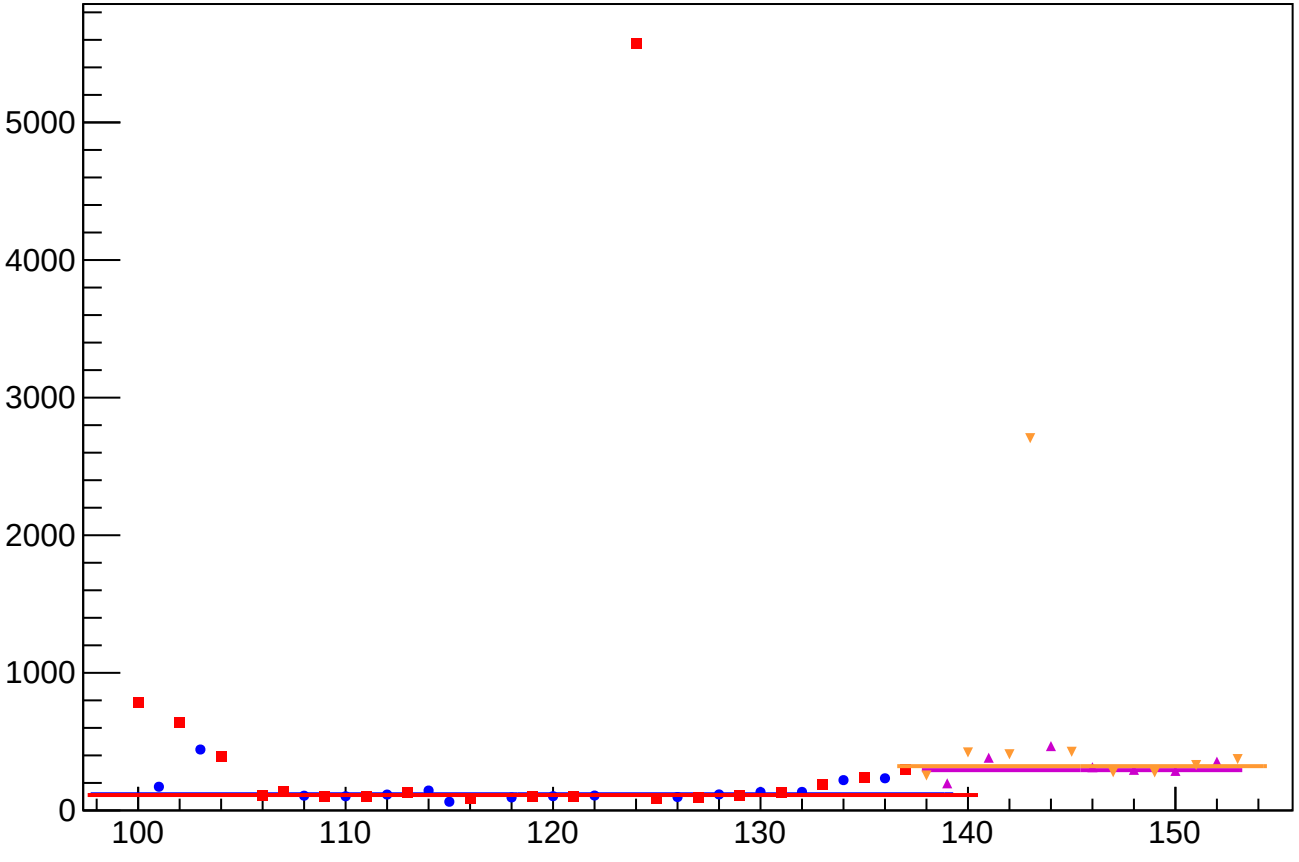
Left In: -0.144+/-0.124 χ^2/NDF:9.9/6

+ sign 0.004+/-0.045 χ^2/NDF: 26.4/24

All: 0.004+/-0.031 χ^2/NDF: 60.1/50

- sign 0.004+/-0.044 χ^2/NDF: 33.6/25

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 321.944+/-0.093 χ^2/NDF:1716192.0/8

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

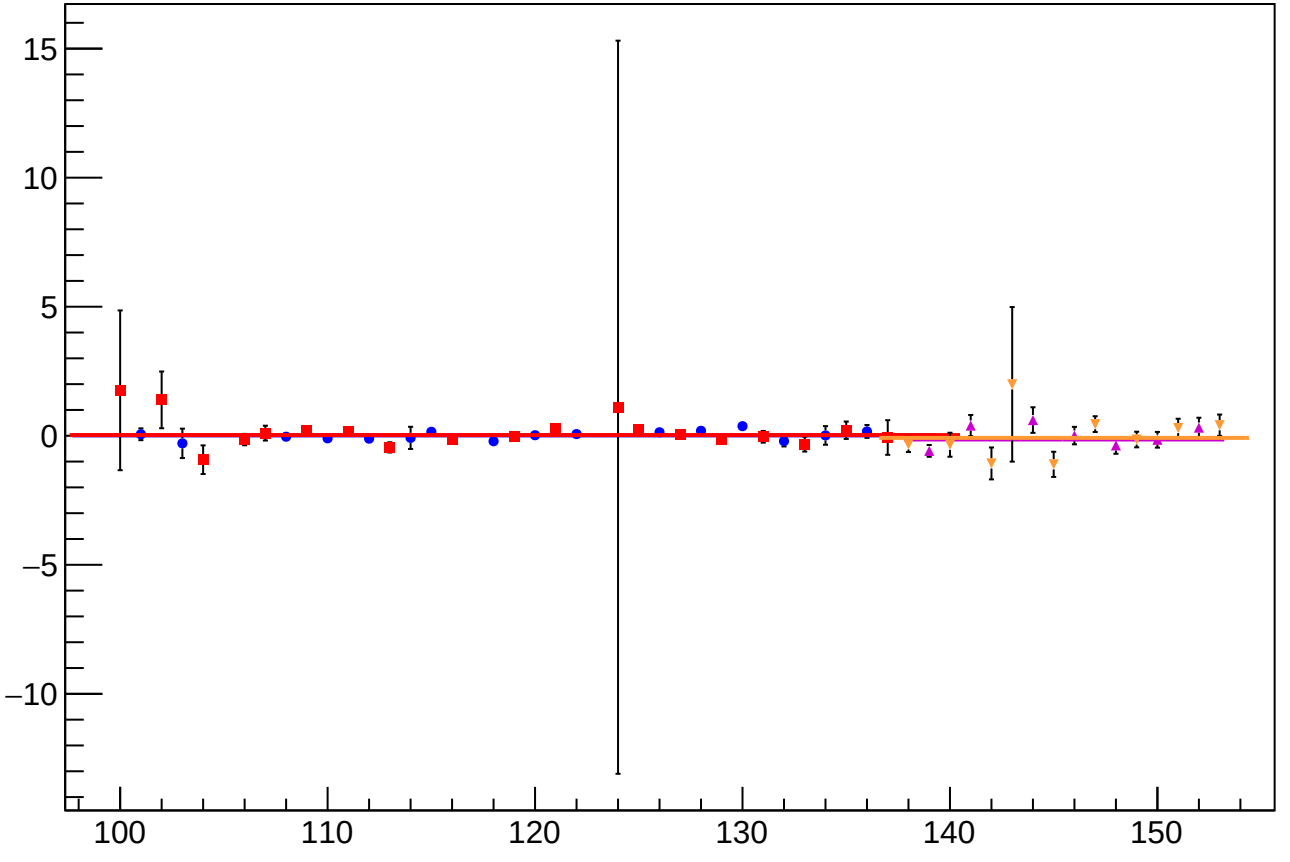
Left In: 292.915+/-0.088 χ^2/NDF:756269.5/6

+ sign 141.719+/-0.032 χ^2/NDF: 7726098.9/24

All: 138.117+/-0.022 χ^2/NDF: 14413384.9/50

- sign 134.699+/-0.031 χ^2/NDF: 6662295.5/25

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.083+/-0.131 χ^2/NDF:14.1/8

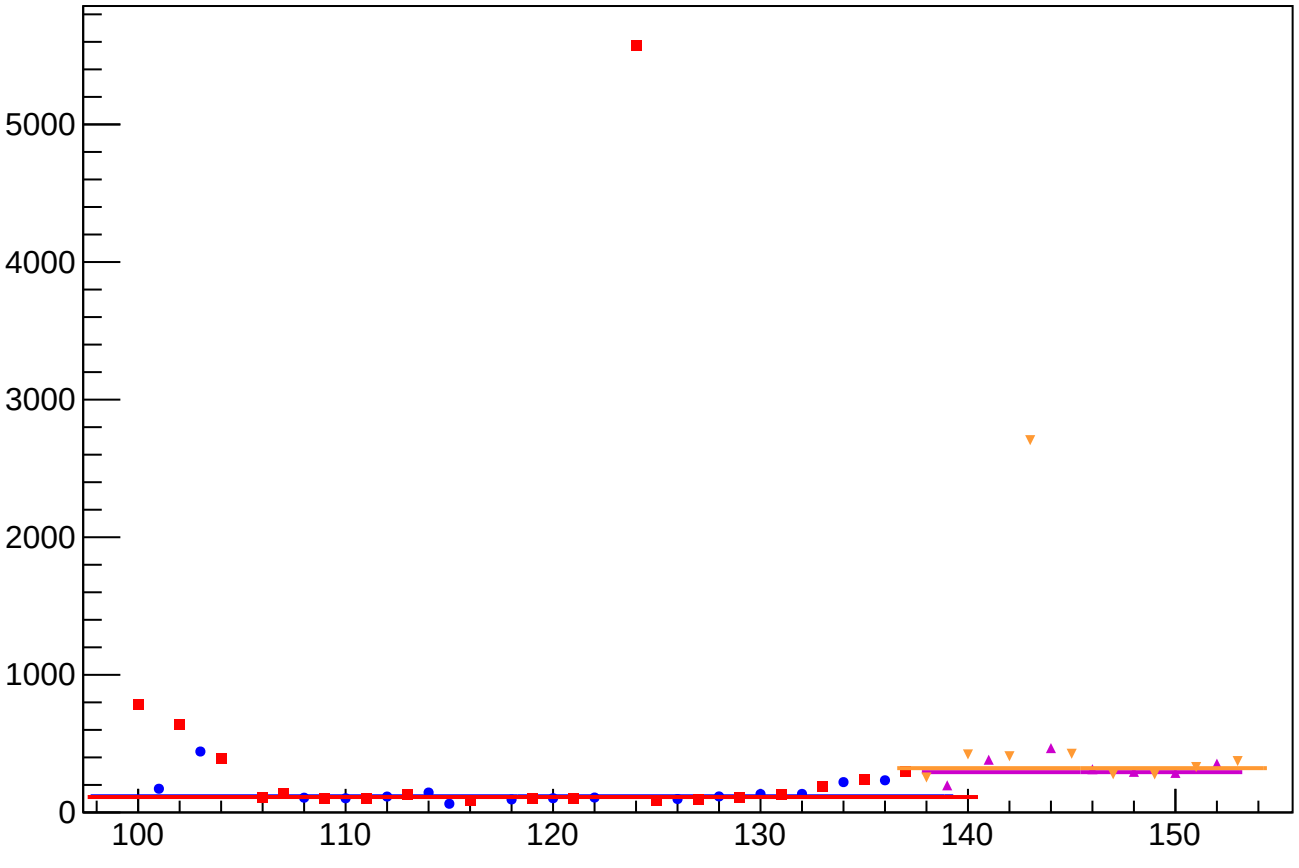
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.144+/-0.124 χ^2/NDF:9.9/6

+ sign 0.004+/-0.045 χ^2/NDF: 26.4/24

All: 0.004+/-0.031 χ^2/NDF: 60.1/50

- sign 0.004+/-0.044 χ^2/NDF: 33.6/25



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 321.944+/-0.093 χ^2/NDF:1716192.0/8

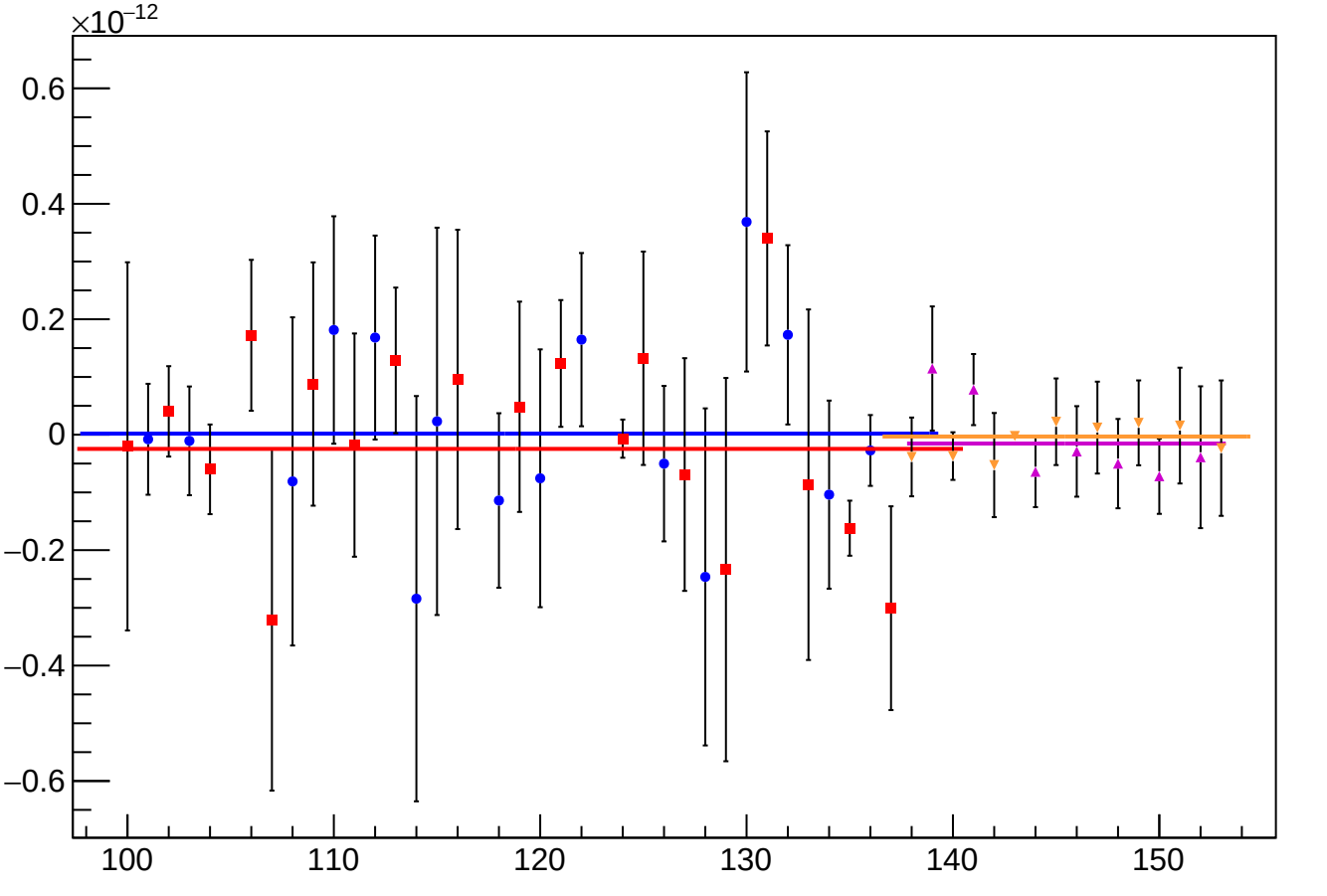
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 292.915+/-0.088 χ^2/NDF:756269.5/6

+ sign 141.719+/-0.032 χ^2/NDF: 7726098.9/24

All: 138.117+/-0.022 χ^2/NDF: 14413384.9/50

- sign 134.699+/-0.031 χ^2/NDF: 6662295.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/8

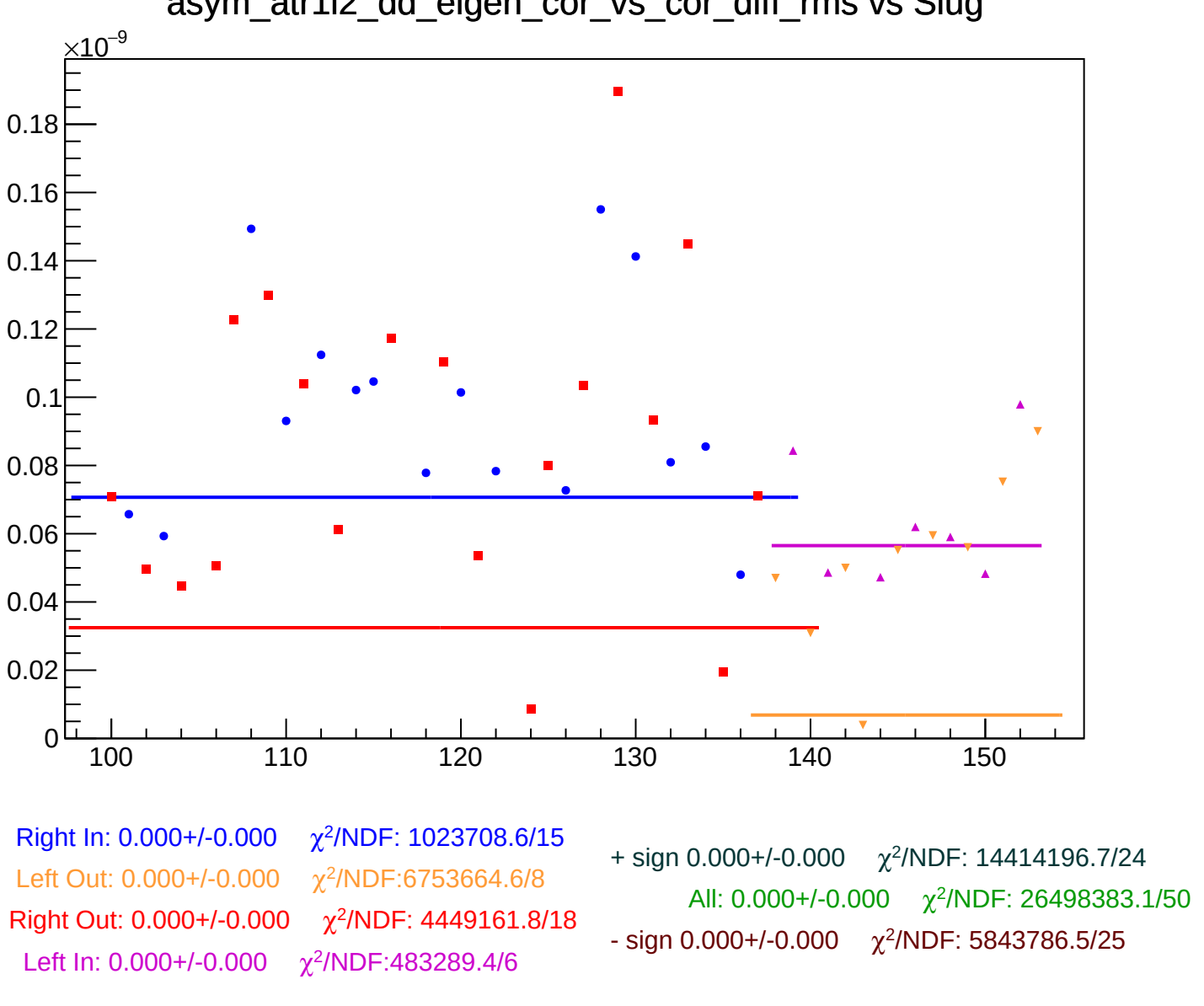
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/6

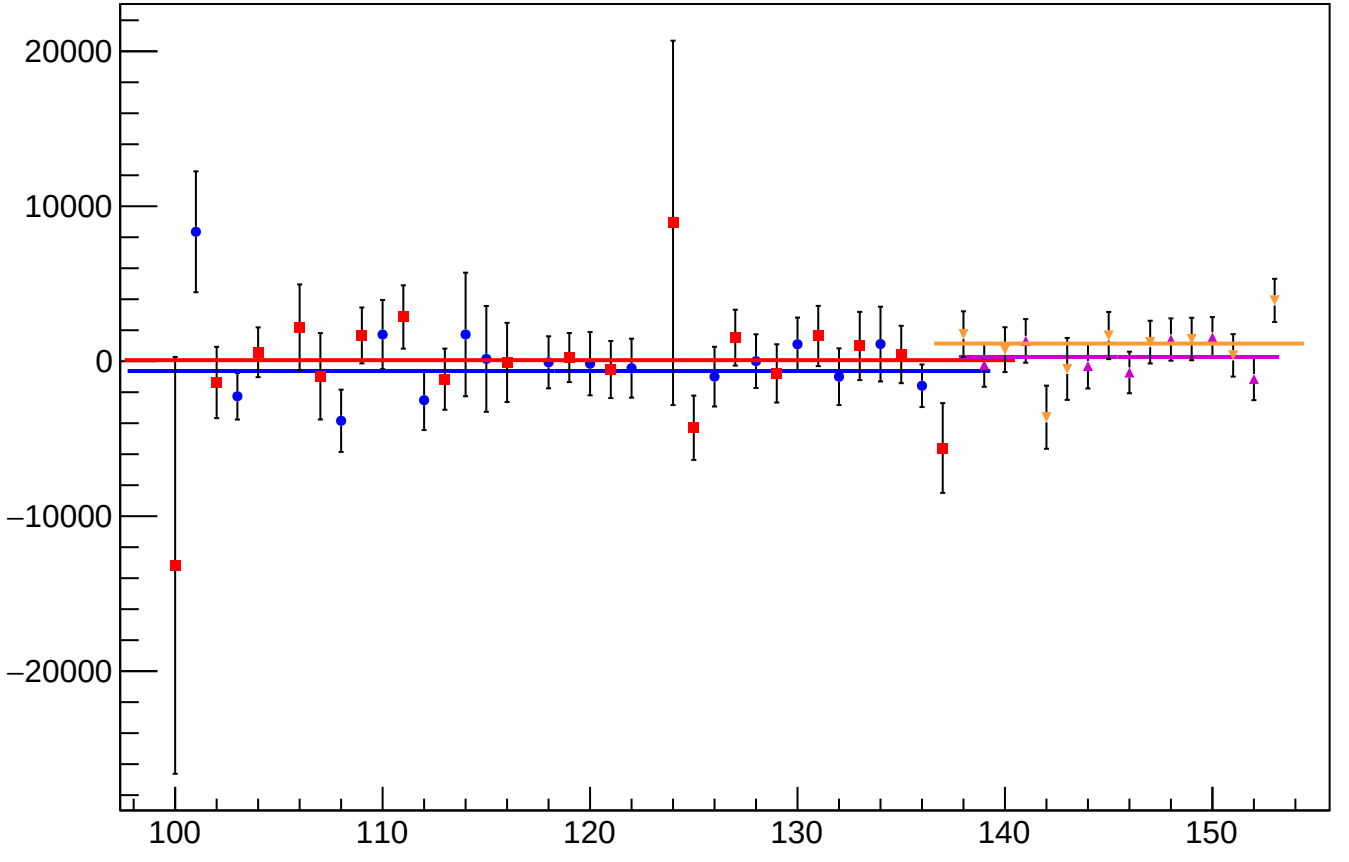
+ sign -0.000+/-0.000 χ^2/NDF: 10.7/24

All: -0.000+/-0.000 χ^2/NDF: 41.4/50

- sign -0.000+/-0.000 χ^2/NDF: 29.7/25


asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:6753664.6/8
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:483289.4/6
+ sign 0.000+/-0.000 χ²/NDF: 14414196.7/24
All: 0.000+/-0.000 χ²/NDF: 26498383.1/50
- sign 0.000+/-0.000 χ²/NDF: 5843786.5/25

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.063+/-501.771 χ^2/NDF:10.8/8

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

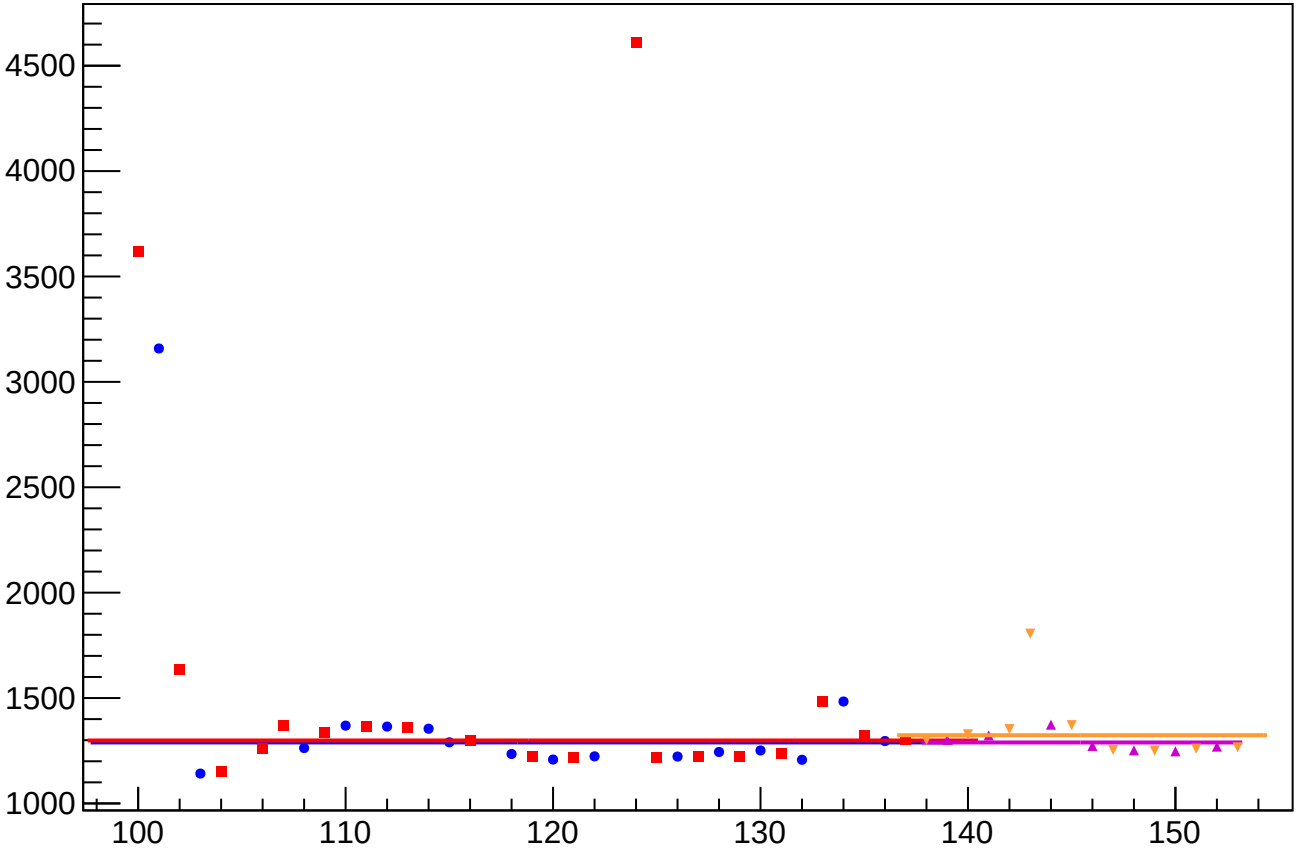
Left In: 274.938+/-520.586 χ^2/NDF:4.1/6

+ sign 230.587+/-350.079 χ^2/NDF: 31.1/24

All: 198.116+/-249.589 χ^2/NDF: 51.2/50

- sign 164.549+/-355.938 χ^2/NDF: 20.0/25

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

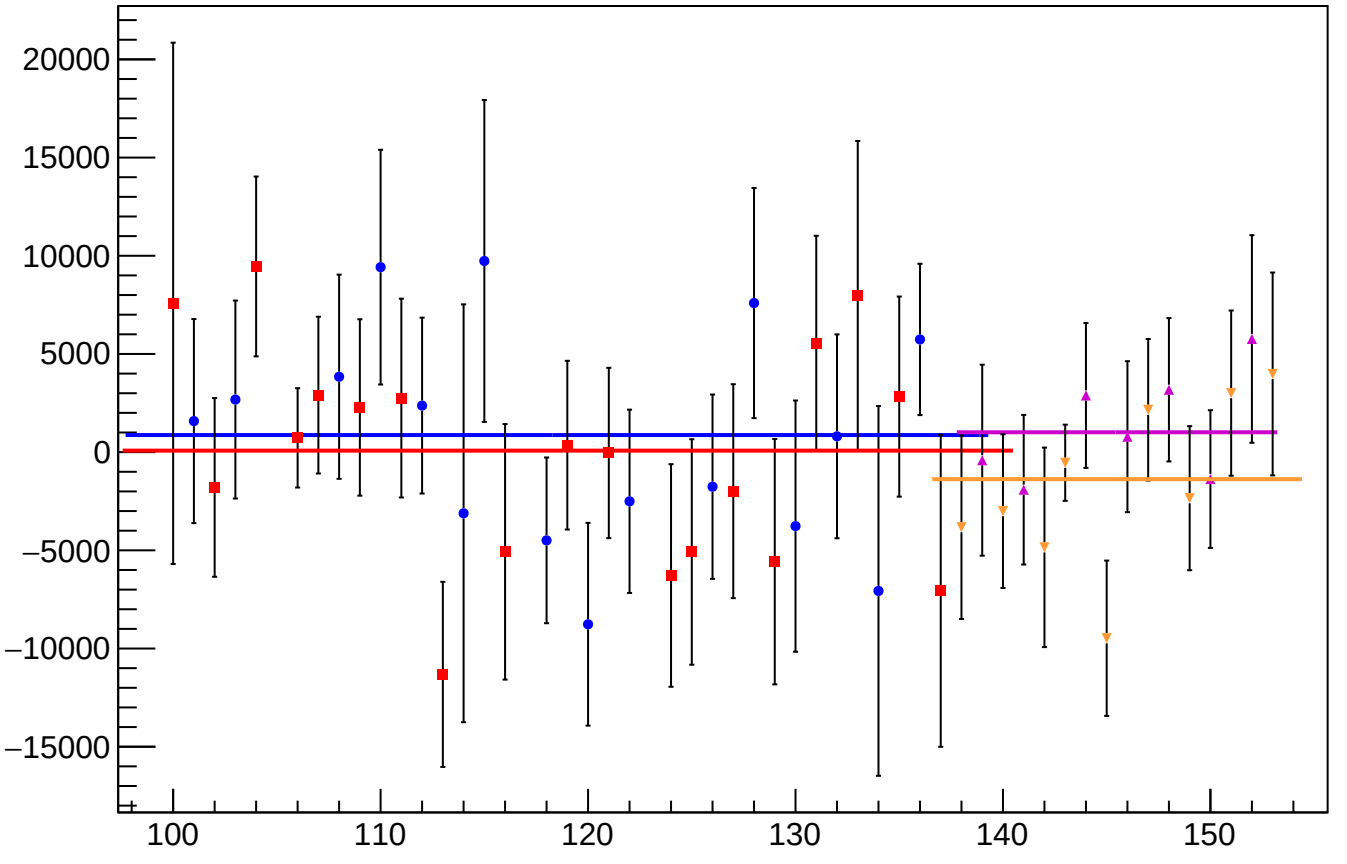
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1306.089+/-0.248 χ^2/NDF: 657098.8/24

All: 1300.263+/-0.176 χ^2/NDF: 990259.1/50

- sign 1294.258+/-0.251 χ^2/NDF: 332035.7/25



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1376.366+/-1174.533 χ^2/NDF:8.5/8

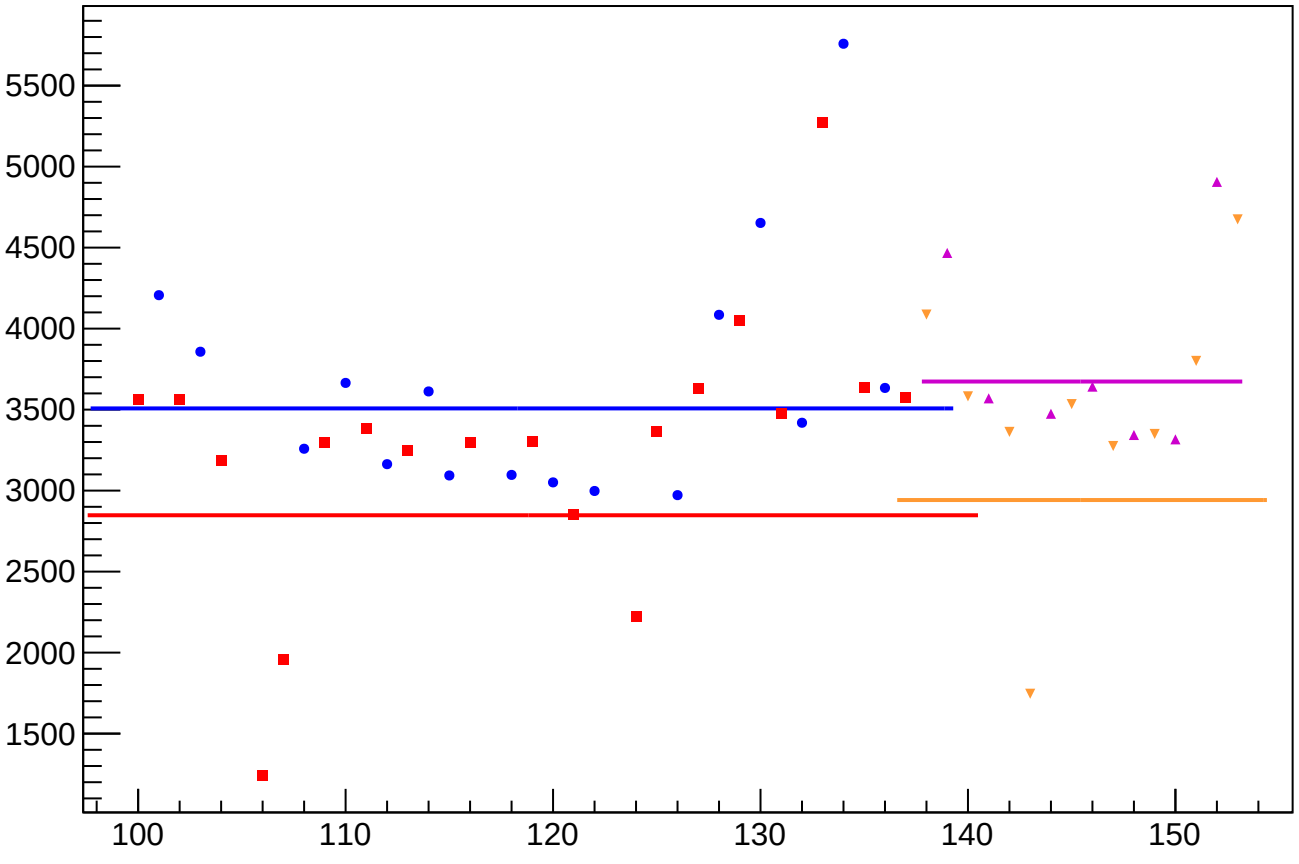
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1011.118+/-1499.665 χ^2/NDF:2.6/6

+ sign -388.024+/-879.006 χ^2/NDF: 24.1/24

All: 3.933+/-626.354 χ^2/NDF: 45.7/50

- sign 408.244+/-892.752 χ^2/NDF: 21.2/25



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2941.812+/-0.831 χ^2/NDF:1342546.7/8

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

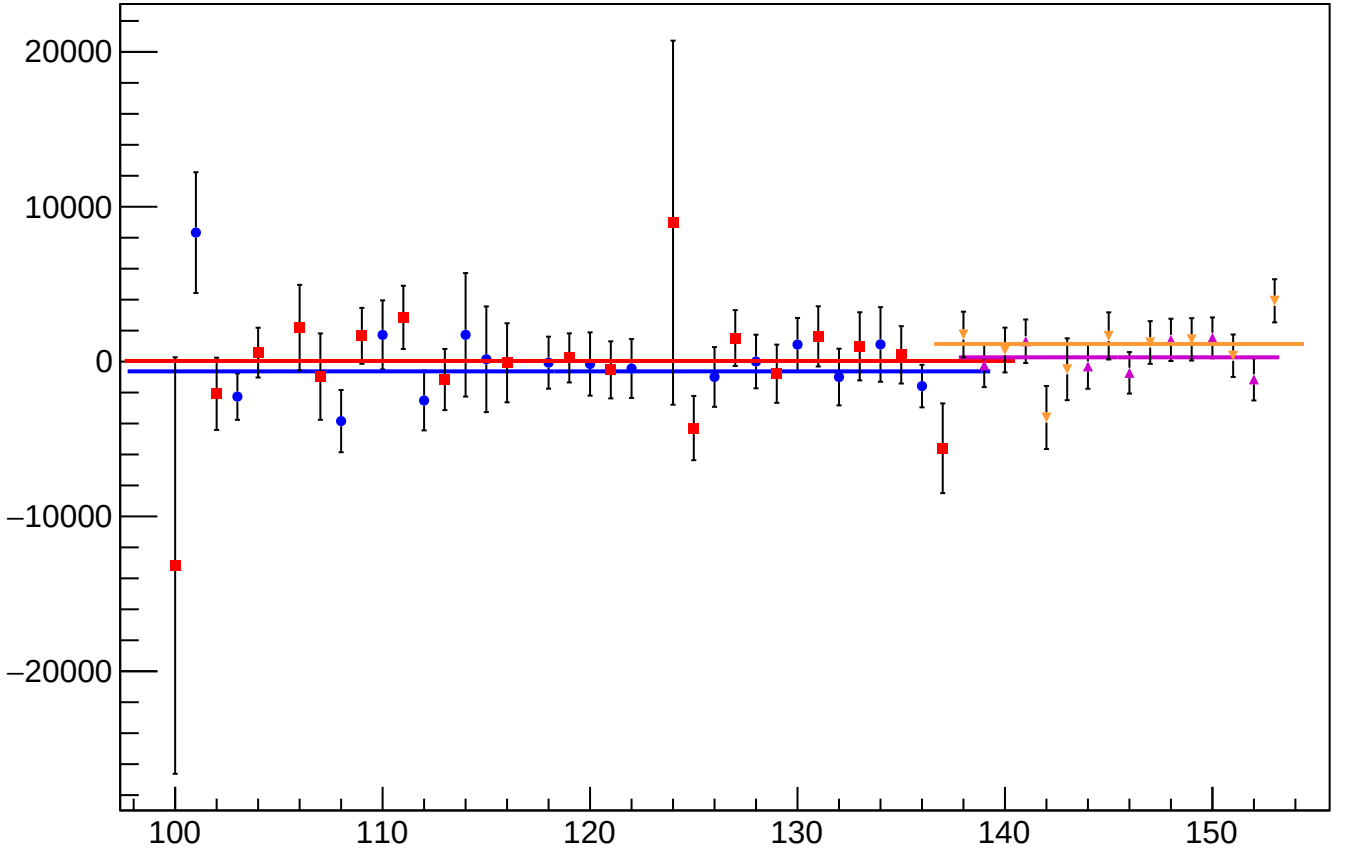
Left In: 3673.333+/-1.060 χ^2/NDF:206565.8/6

+ sign 3190.622+/-0.622 χ^2/NDF: 1900542.4/24

All: 3165.888+/-0.443 χ^2/NDF: 4000945.1/50

- sign 3140.376+/-0.631 χ^2/NDF: 2097185.8/25

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.012+/-501.771 χ^2/NDF:10.8/8

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

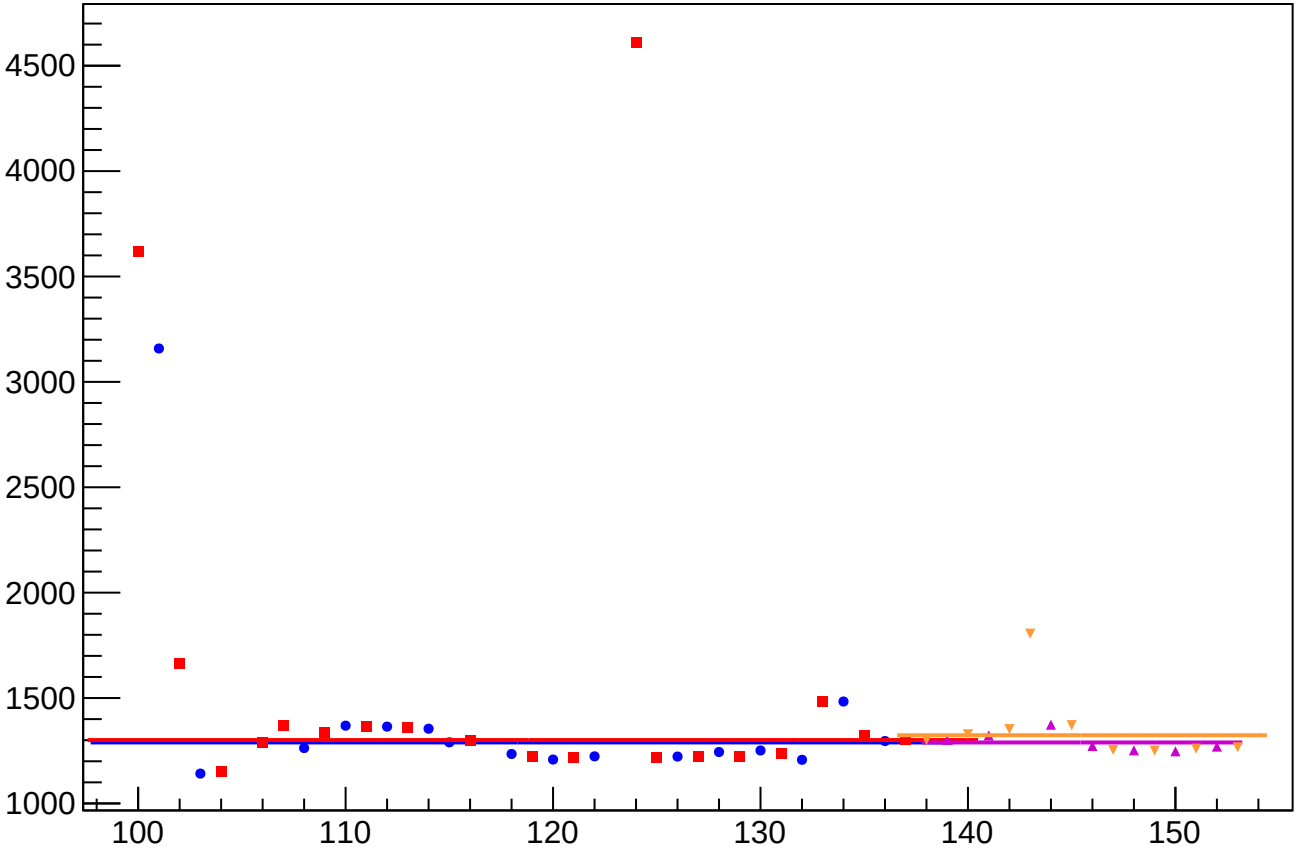
Left In: 274.899+/-520.586 χ^2/NDF:4.1/6

+ sign 230.365+/-350.079 χ^2/NDF: 31.1/24

All: 190.449+/-249.632 χ^2/NDF: 51.6/50

- sign 149.156+/-356.064 χ^2/NDF: 20.5/25

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

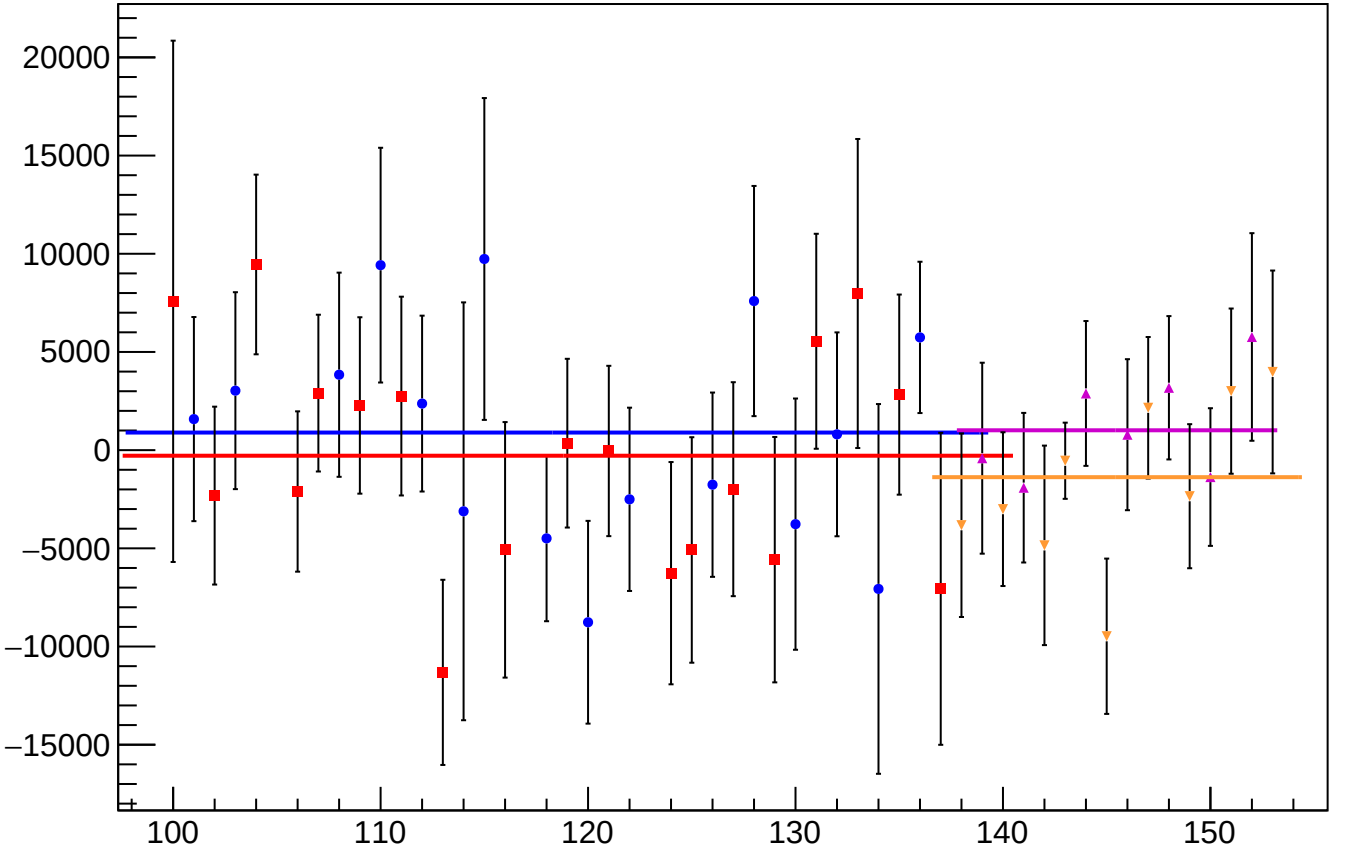
Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1306.089+/-0.248 χ^2/NDF: 657100.3/24

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1376.293+/-1174.530 χ^2/NDF:8.5/8

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

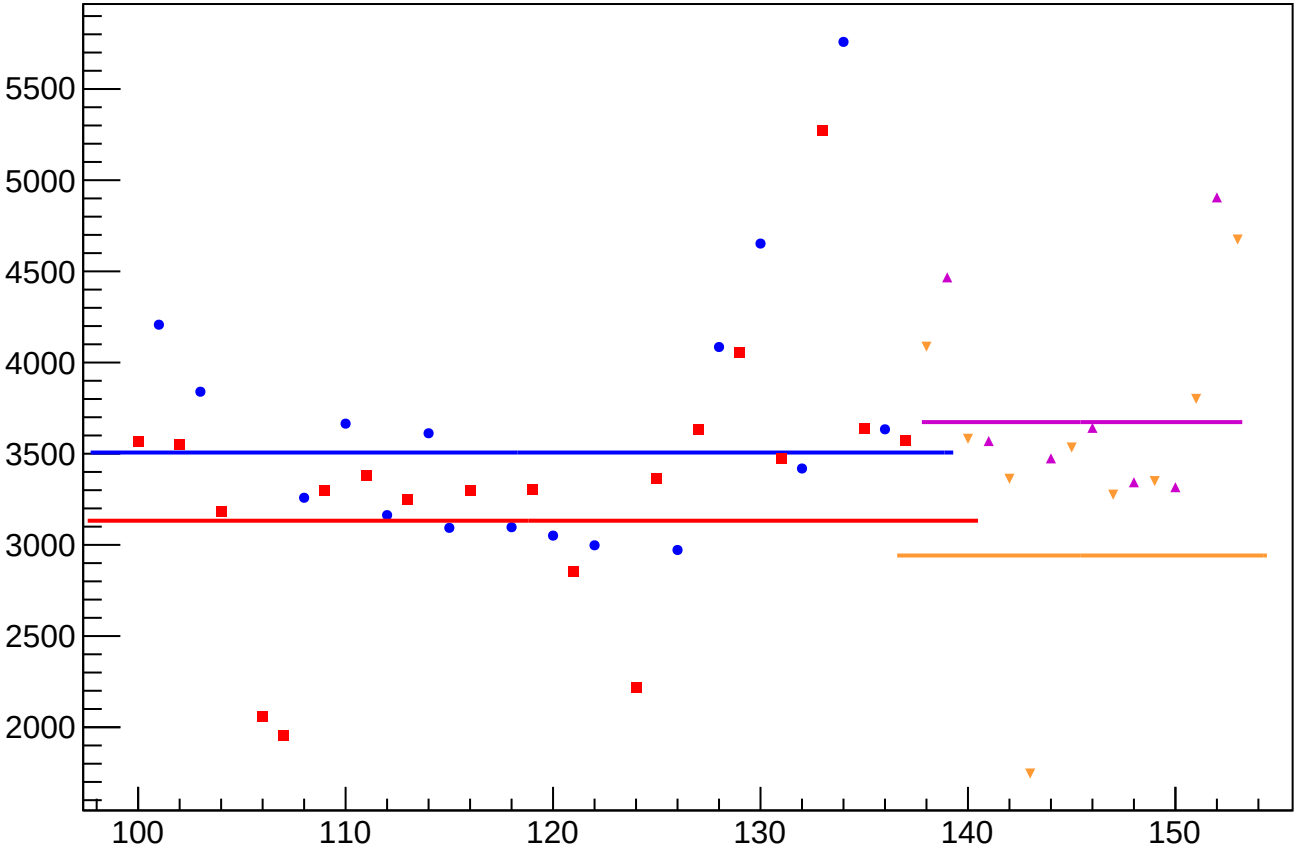
Left In: 1011.150+/-1499.663 χ^2/NDF:2.6/6

+ sign -376.286+/-878.872 χ^2/NDF: 24.2/24

All: -97.977+/-638.405 χ^2/NDF: 46.1/50

- sign 212.907+/-928.884 χ^2/NDF: 21.6/25

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

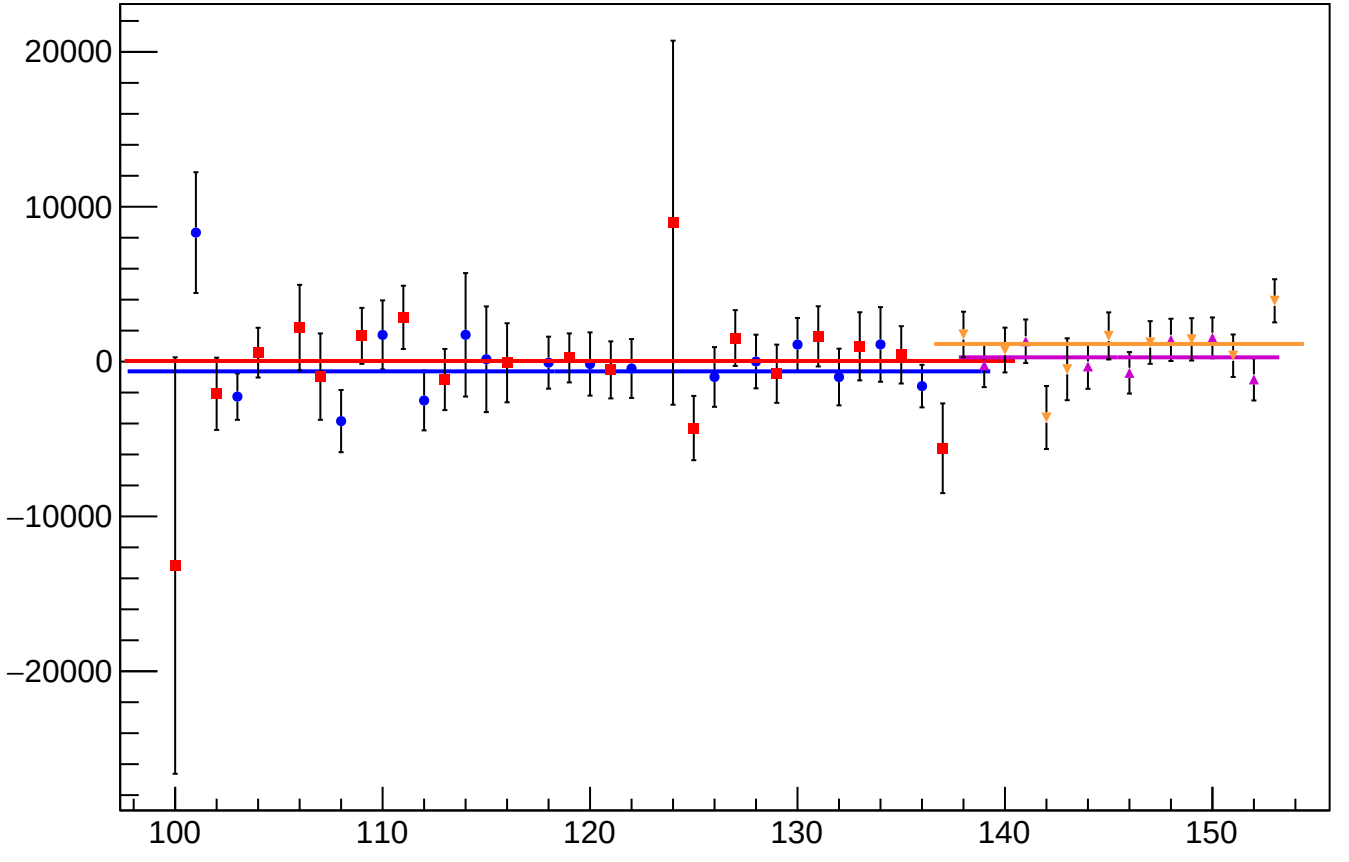
Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

+ sign 3190.309+/-0.621 χ^2/NDF: 1899251.5/24

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50

- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.012+/-501.771 χ^2/NDF:10.8/8

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

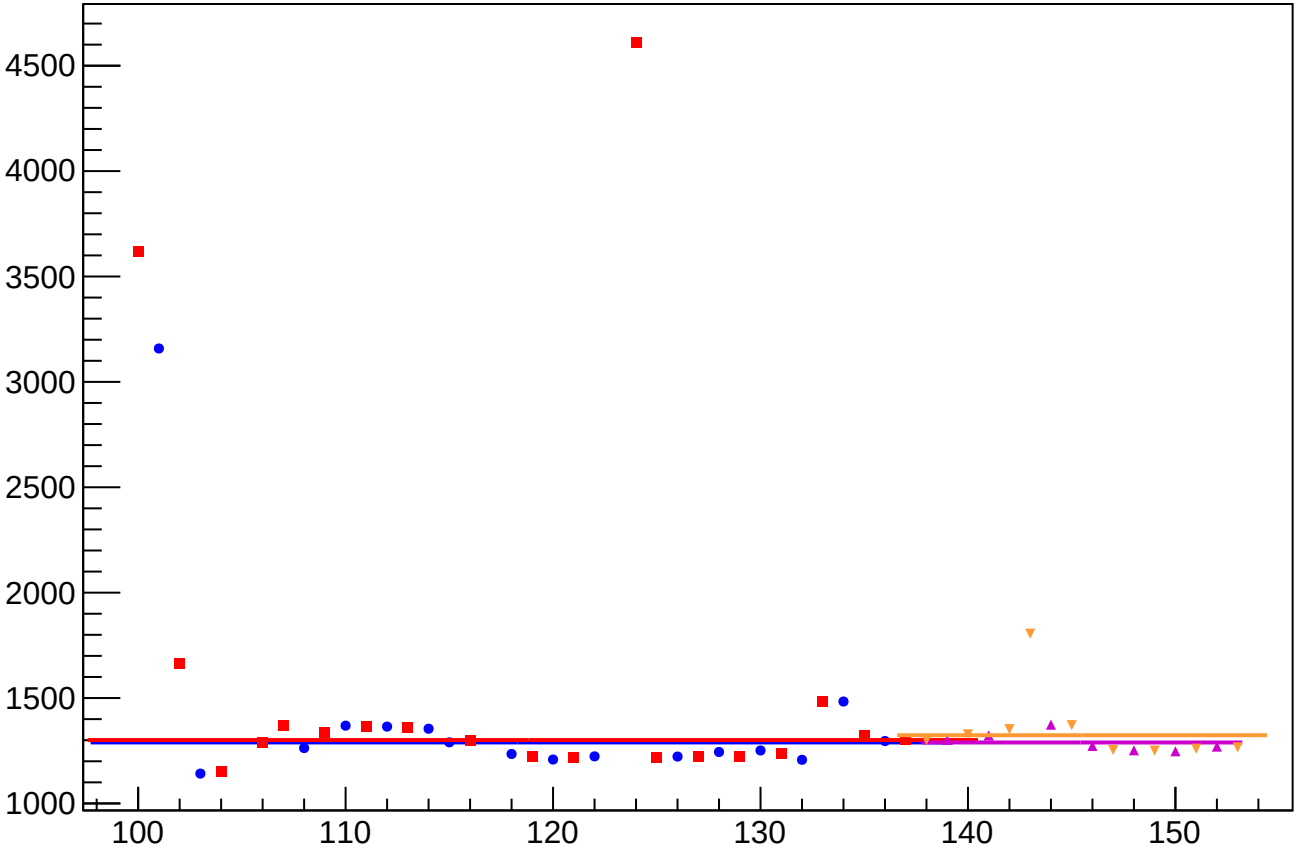
Left In: 274.899+/-520.586 χ^2/NDF:4.1/6

+ sign 230.365+/-350.079 χ^2/NDF: 31.1/24

All: 190.449+/-249.632 χ^2/NDF: 51.6/50

- sign 149.156+/-356.064 χ^2/NDF: 20.5/25

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

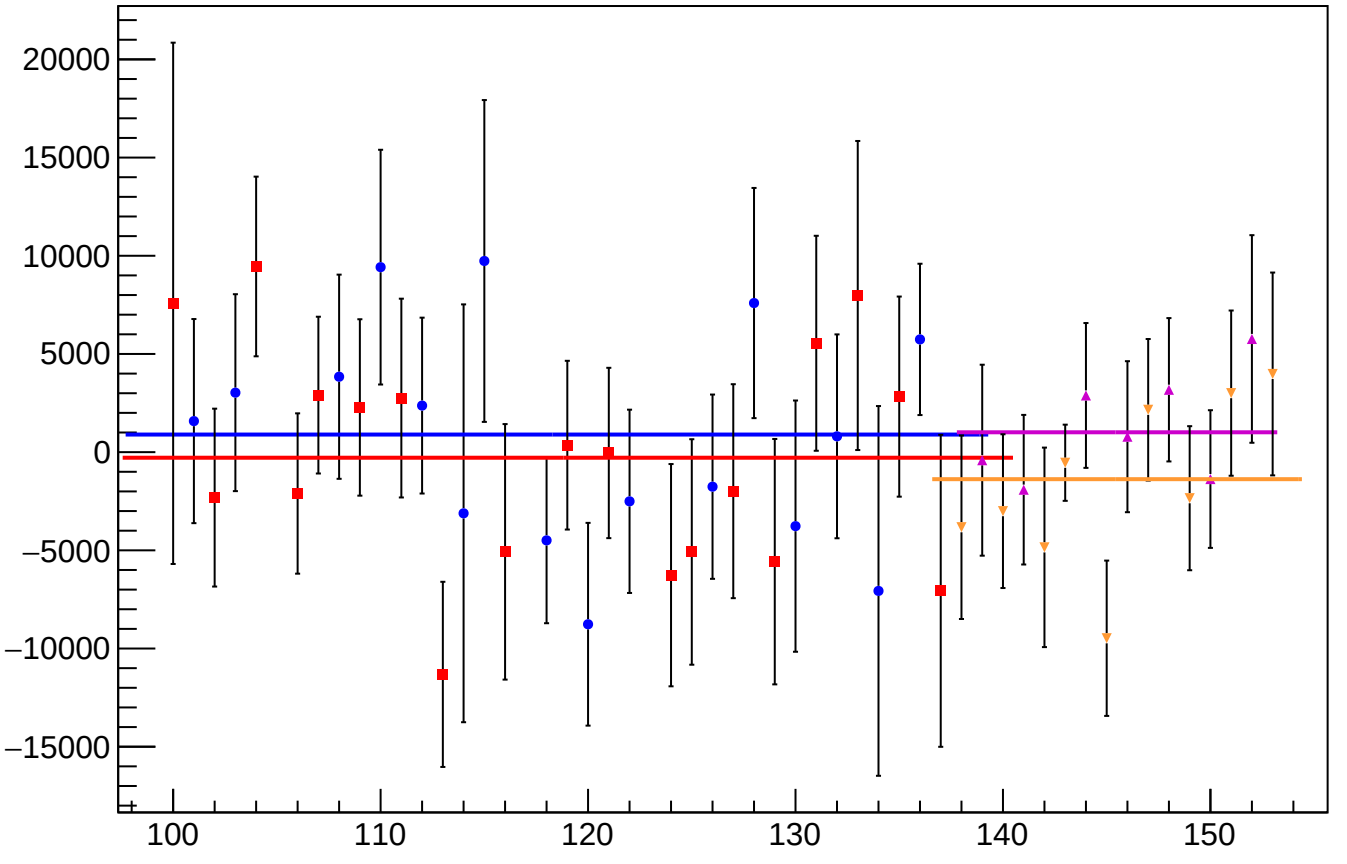
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1306.089+/-0.248 χ^2/NDF: 657100.3/24

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1376.293+/-1174.530 χ^2/NDF:8.5/8

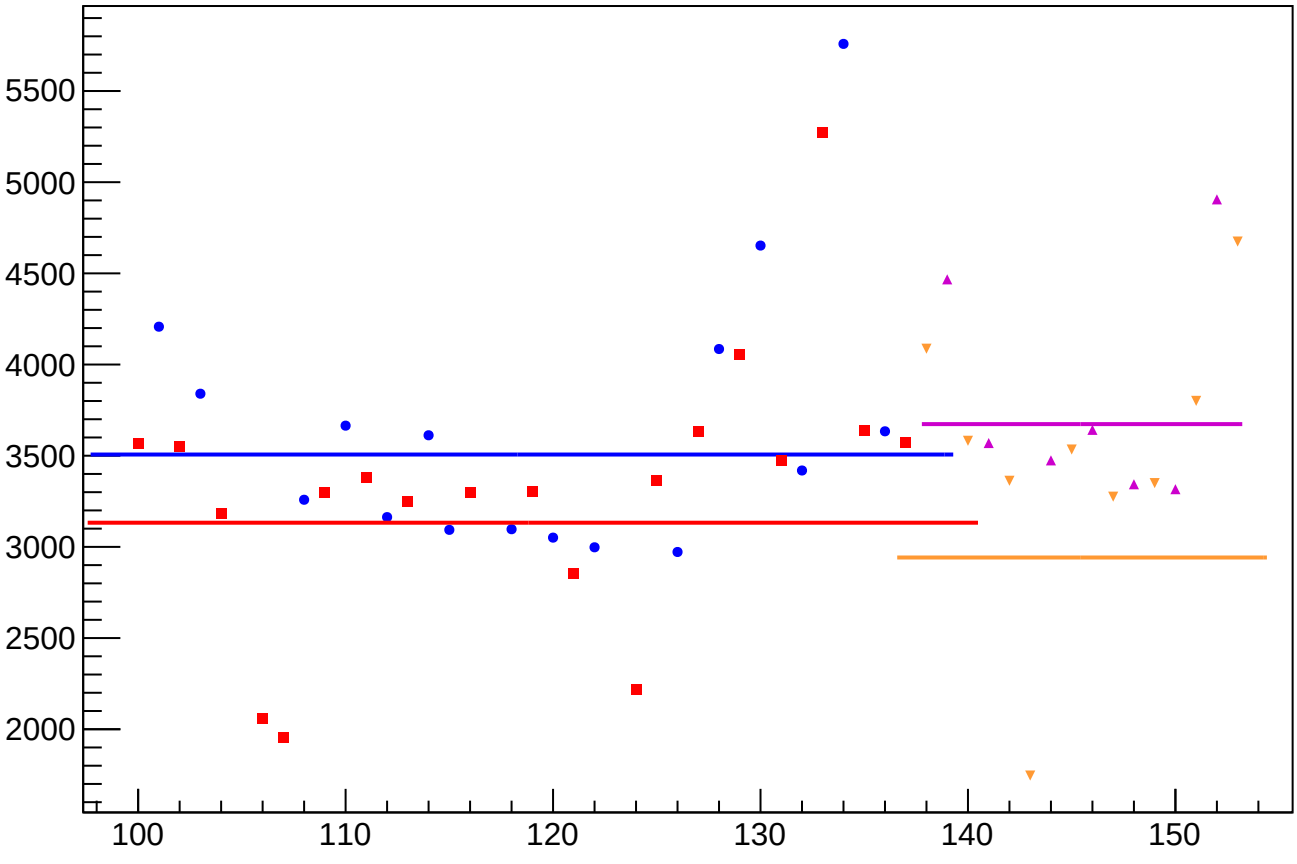
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1011.150+/-1499.663 χ^2/NDF:2.6/6

+ sign -376.286+/-878.872 χ^2/NDF: 24.2/24

All: -97.977+/-638.405 χ^2/NDF: 46.1/50

- sign 212.907+/-928.884 χ^2/NDF: 21.6/25



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

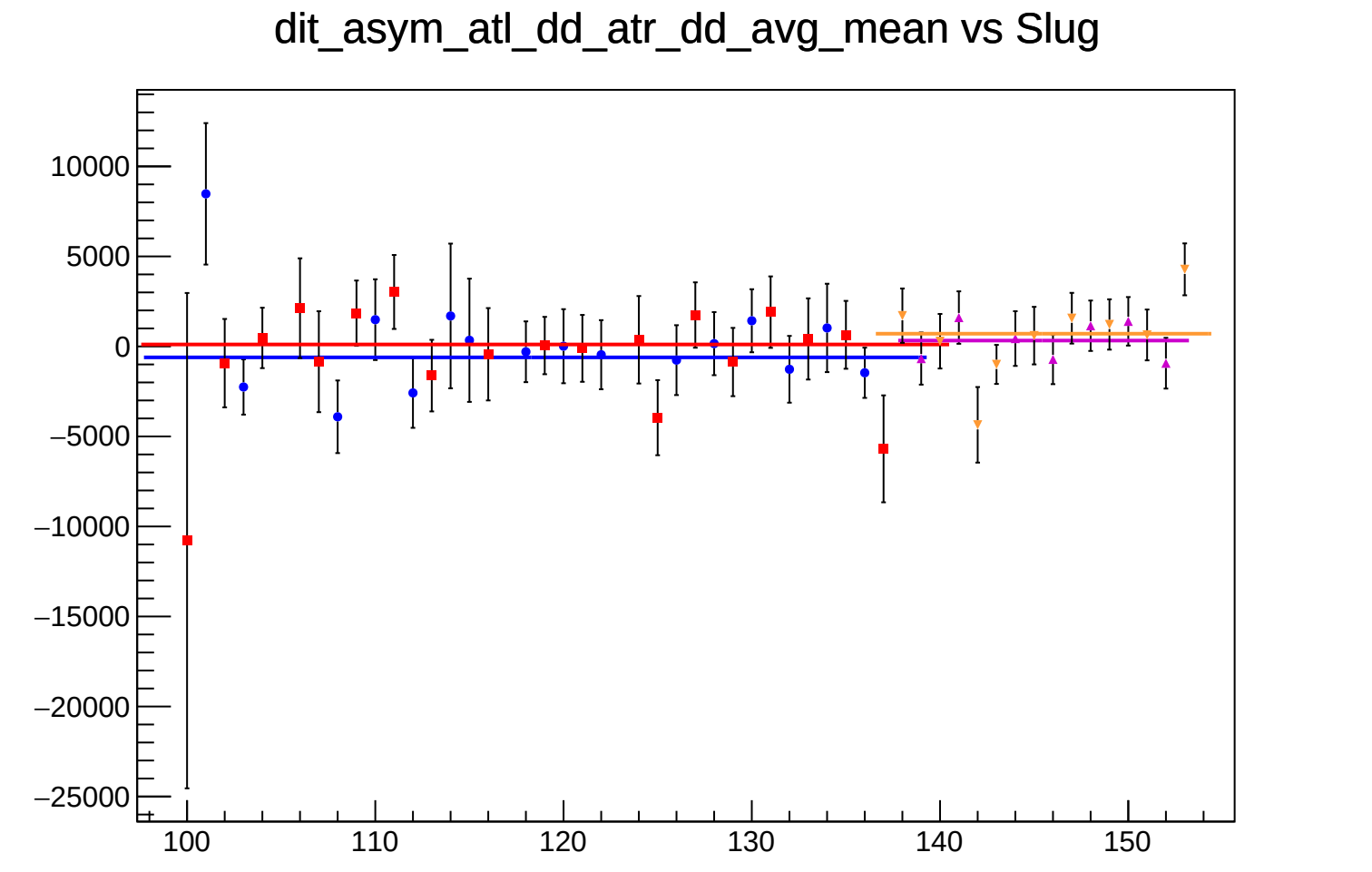
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

+ sign 3190.309+/-0.621 χ^2/NDF: 1899251.5/24

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50

- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.143+/-479.864 χ^2/NDF:15.5/8

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

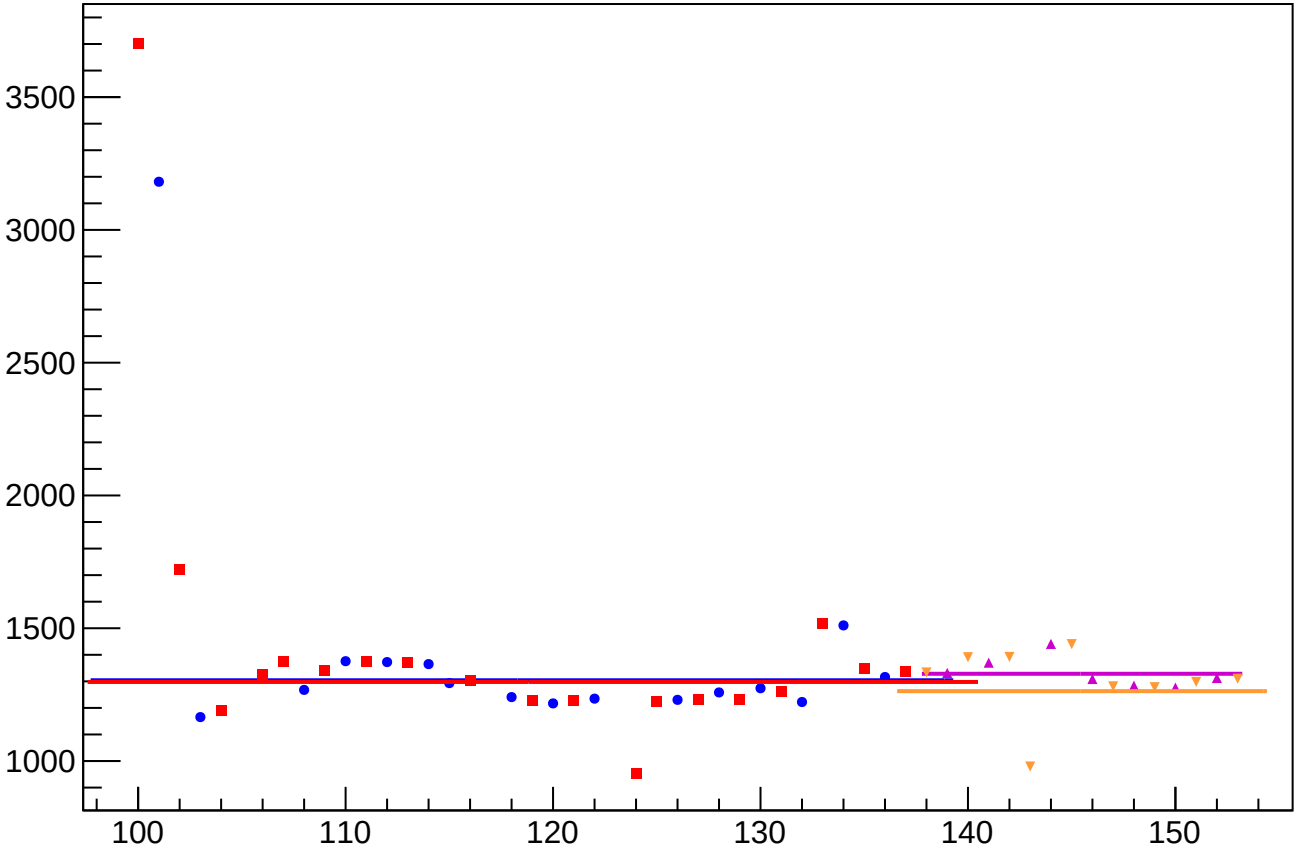
Left In: 326.169+/-536.661 χ^2/NDF:3.6/6

+ sign 68.467+/-344.266 χ^2/NDF: 33.2/24

All: 134.410+/-248.827 χ^2/NDF: 51.9/50

- sign 206.541+/-360.054 χ^2/NDF: 18.6/25

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1263.148+/-0.339 χ^2/NDF:191690.1/8

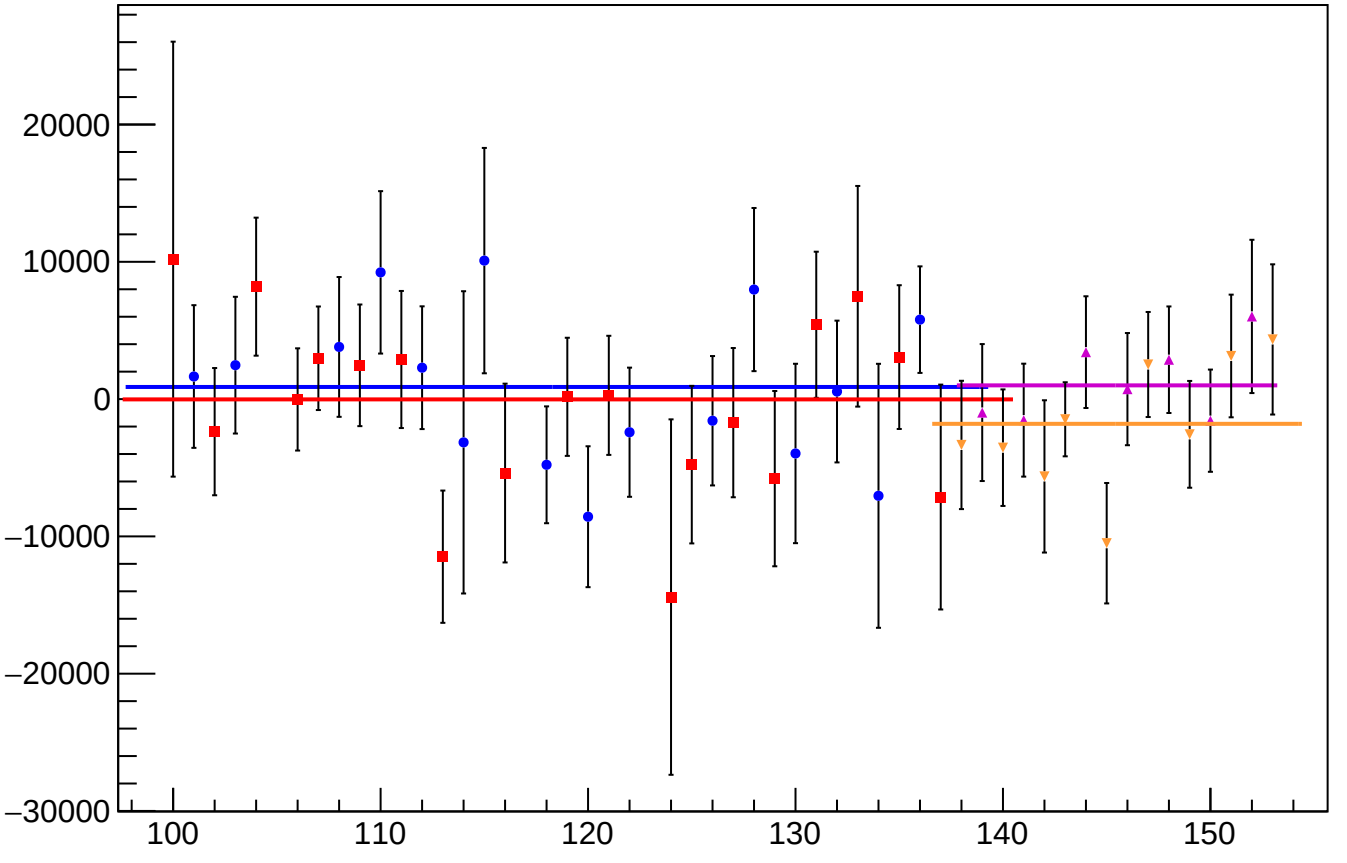
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1328.595+/-0.379 χ^2/NDF:18306.6/6

+ sign 1283.023+/-0.243 χ^2/NDF: 709349.4/24

All: 1296.700+/-0.176 χ^2/NDF: 950983.9/50

- sign 1311.648+/-0.254 χ^2/NDF: 235028.0/25



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1801.409+/-1359.434 χ^2/NDF:8.5/8

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

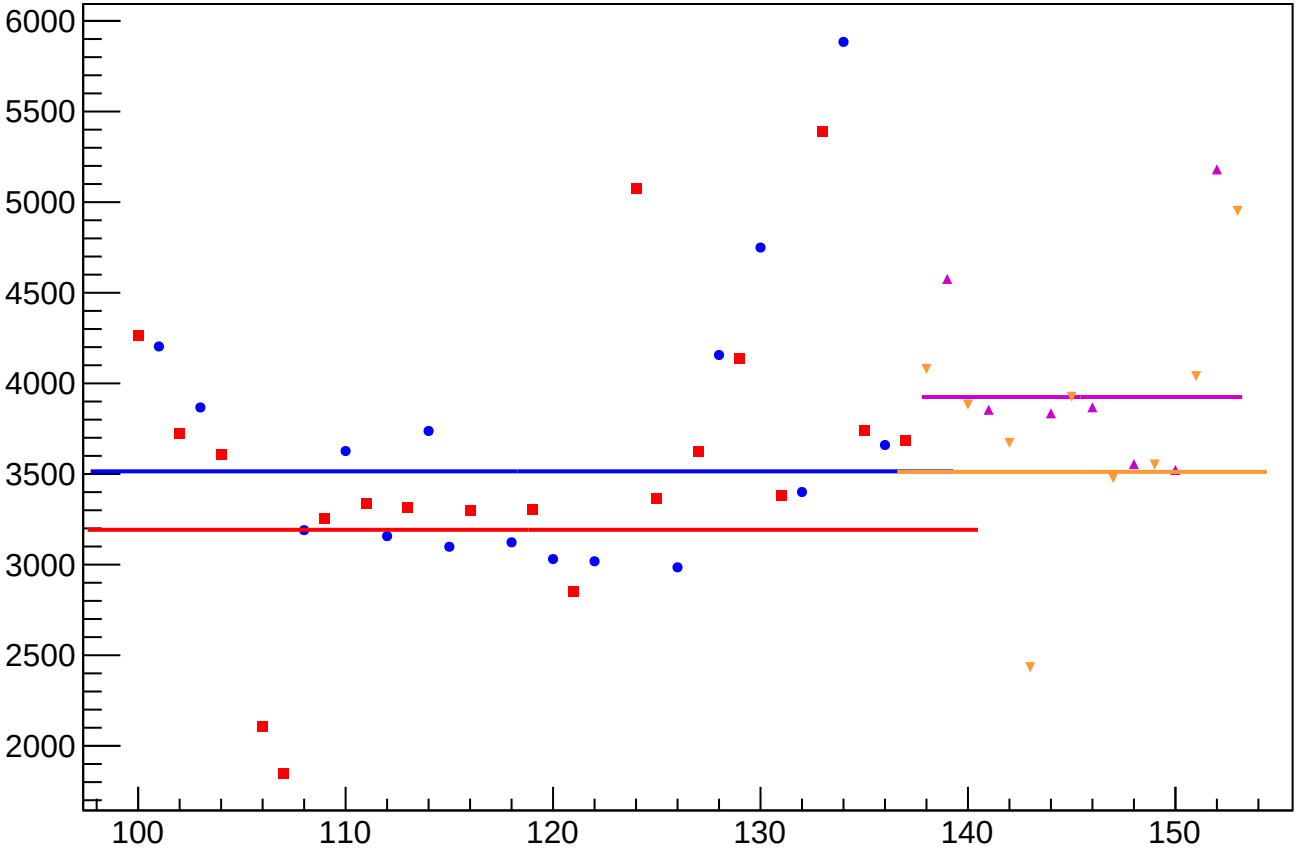
Left In: 1000.552+/-1600.800 χ^2/NDF:2.4/6

+ sign -426.661+/-949.736 χ^2/NDF: 24.6/24

All: -44.193+/-675.227 χ^2/NDF: 44.4/50

- sign 346.733+/-960.180 χ^2/NDF: 19.5/25

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3512.006+/-0.961 χ^2/NDF:550482.3/8

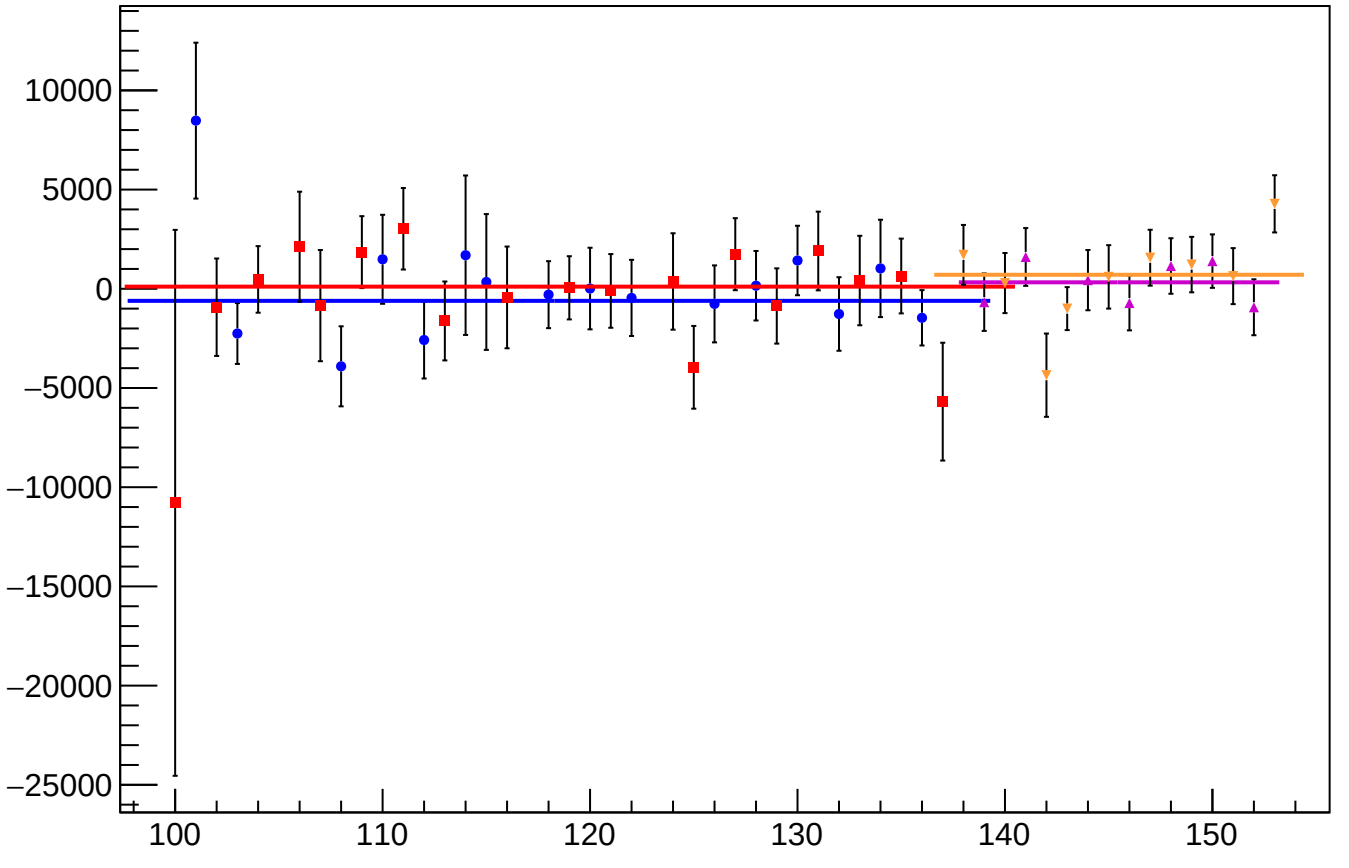
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3924.685+/-1.132 χ^2/NDF:178886.7/6

+ sign 3513.409+/-0.672 χ^2/NDF: 925565.1/24

All: 3484.886+/-0.477 χ^2/NDF: 2148685.8/50

- sign 3455.732+/-0.679 χ^2/NDF: 1219473.0/25



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.142+/-479.864 χ^2/NDF:15.5/8

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

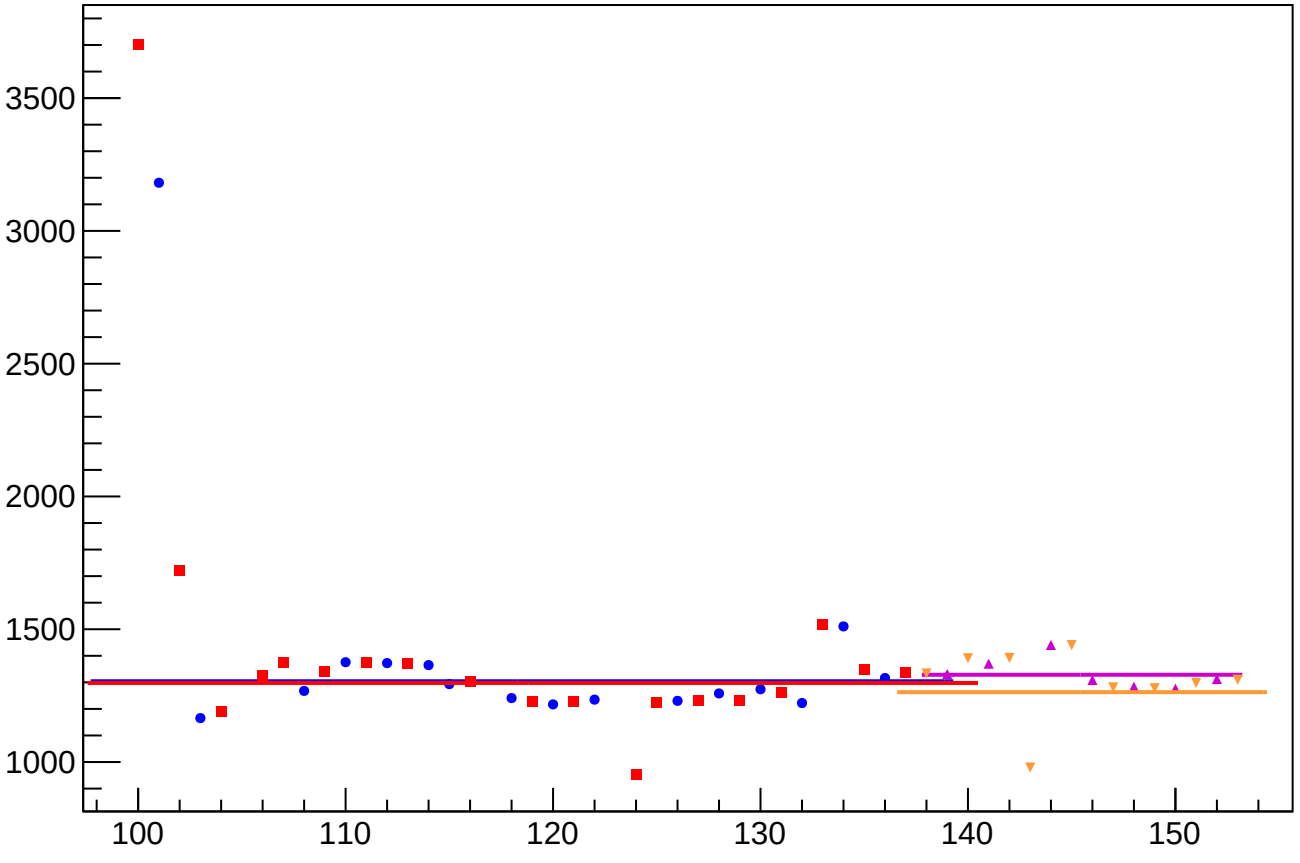
Left In: 326.168+/-536.661 χ^2/NDF:3.6/6

+ sign 68.464+/-344.266 χ^2/NDF: 33.2/24

All: 134.410+/-248.827 χ^2/NDF: 51.9/50

- sign 206.544+/-360.054 χ^2/NDF: 18.6/25

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1263.149+/-0.339 χ^2/NDF:191690.4/8

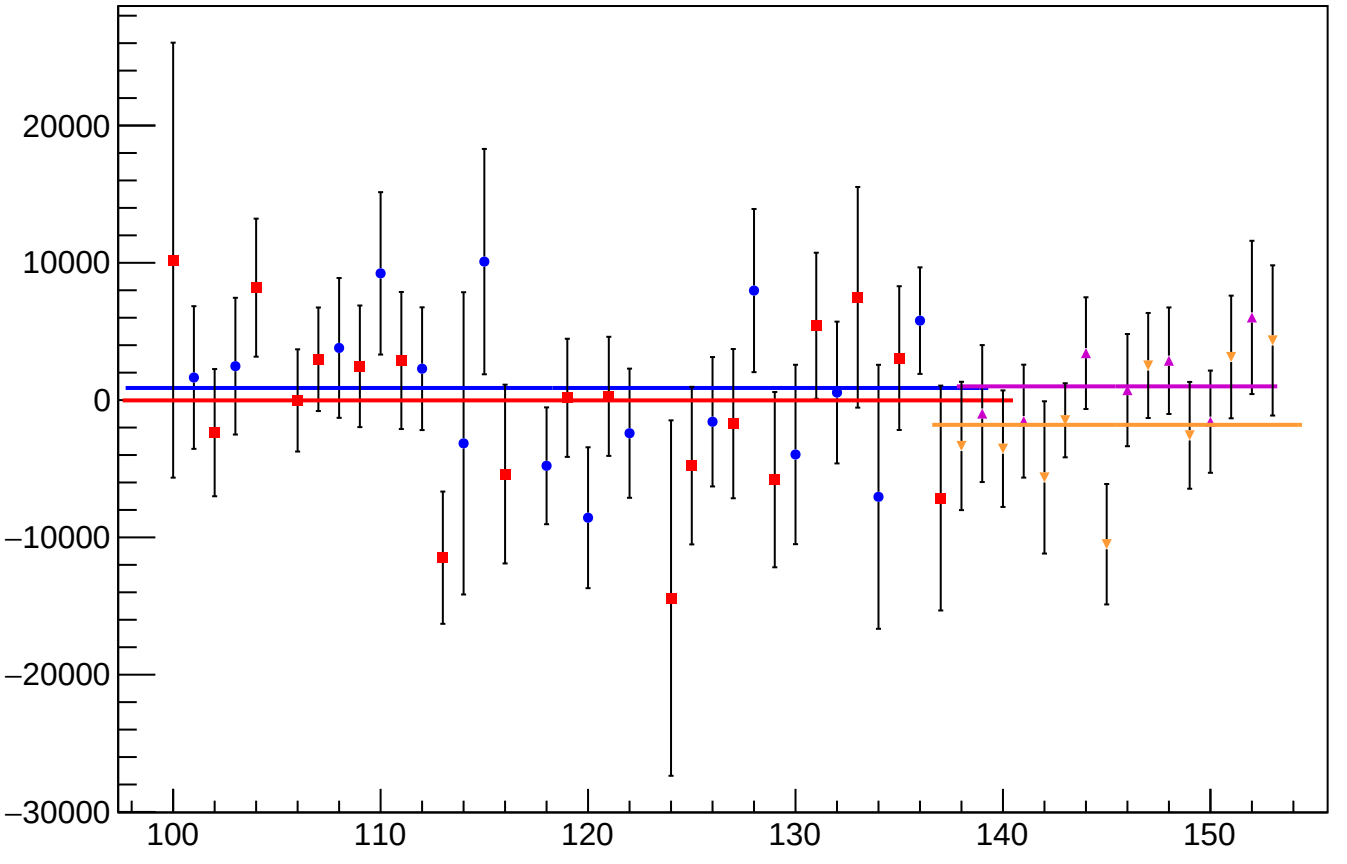
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1328.596+/-0.379 χ^2/NDF:18306.7/6

+ sign 1283.024+/-0.243 χ^2/NDF: 709349.4/24

All: 1296.701+/-0.176 χ^2/NDF: 950984.4/50

- sign 1311.649+/-0.254 χ^2/NDF: 235028.4/25



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1801.407+/-1359.436 χ^2/NDF:8.5/8

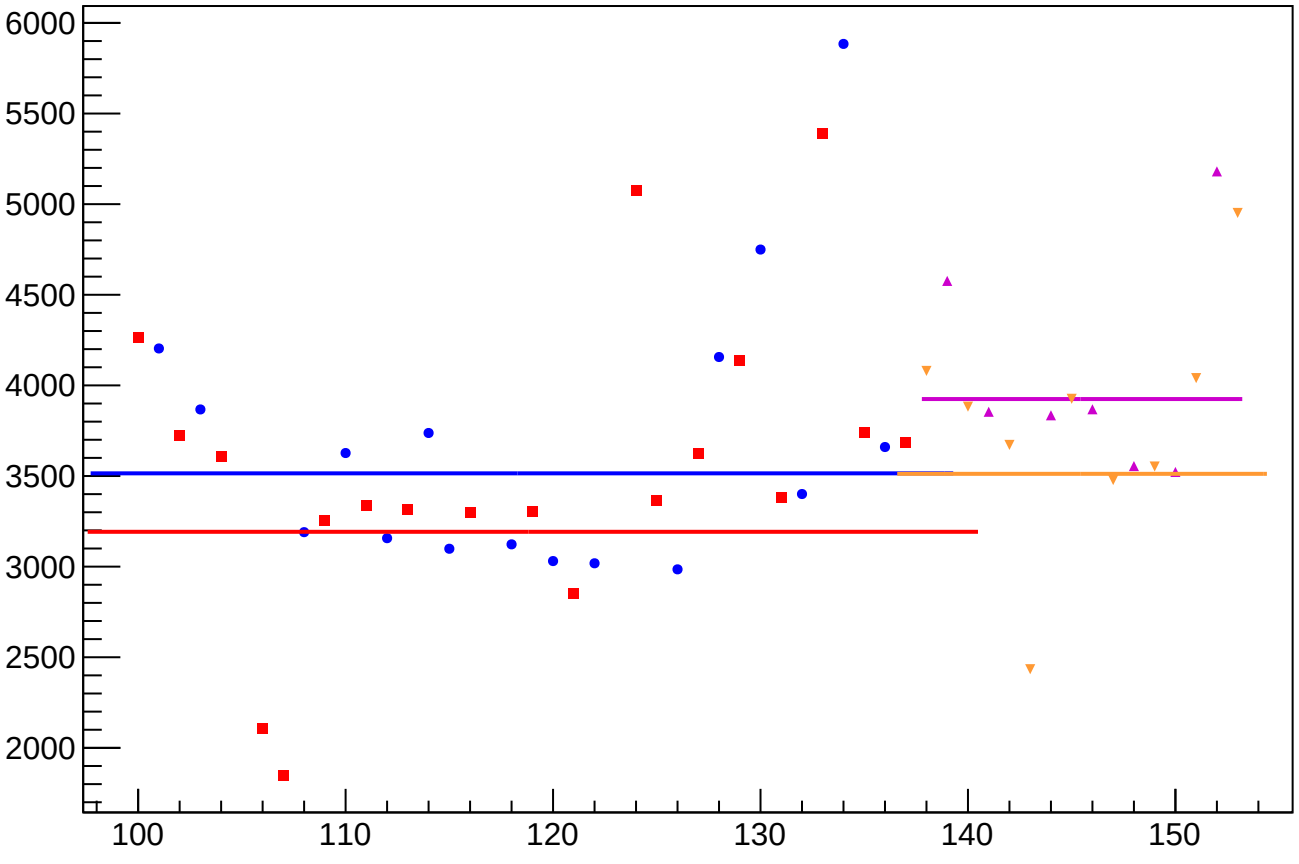
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1000.550+/-1600.802 χ^2/NDF:2.4/6

+ sign -426.661+/-949.736 χ^2/NDF: 24.6/24

All: -44.192+/-675.227 χ^2/NDF: 44.4/50

- sign 346.734+/-960.179 χ^2/NDF: 19.5/25



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3512.011+/-0.961 χ^2/NDF:550482.5/8

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

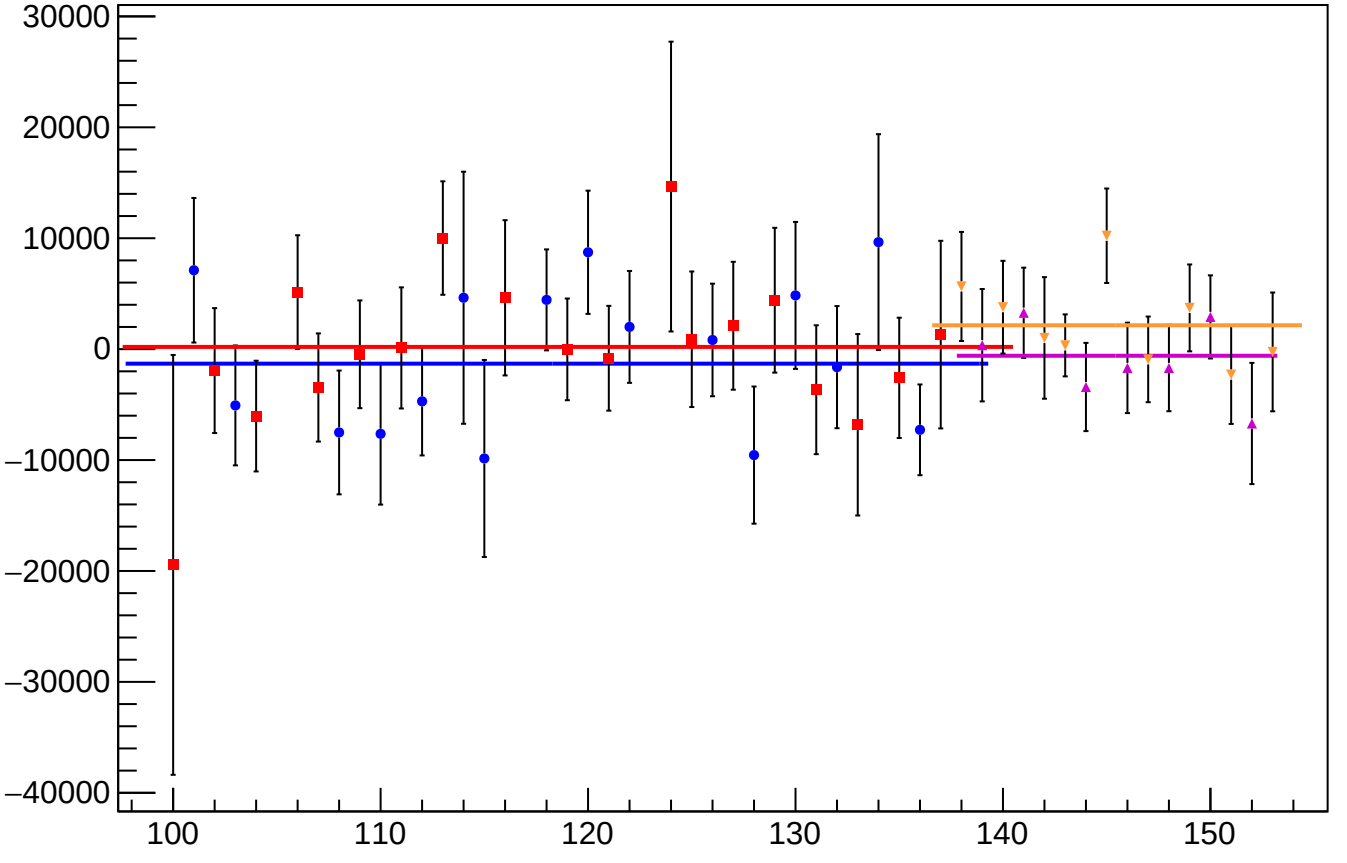
Left In: 3924.690+/-1.132 χ^2/NDF:178887.3/6

+ sign 3513.406+/-0.672 χ^2/NDF: 925569.5/24

All: 3484.882+/-0.477 χ^2/NDF: 2148702.6/50

- sign 3455.728+/-0.679 χ^2/NDF: 1219485.2/25

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2152.955+/-1370.040 χ^2/NDF:6.7/8

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

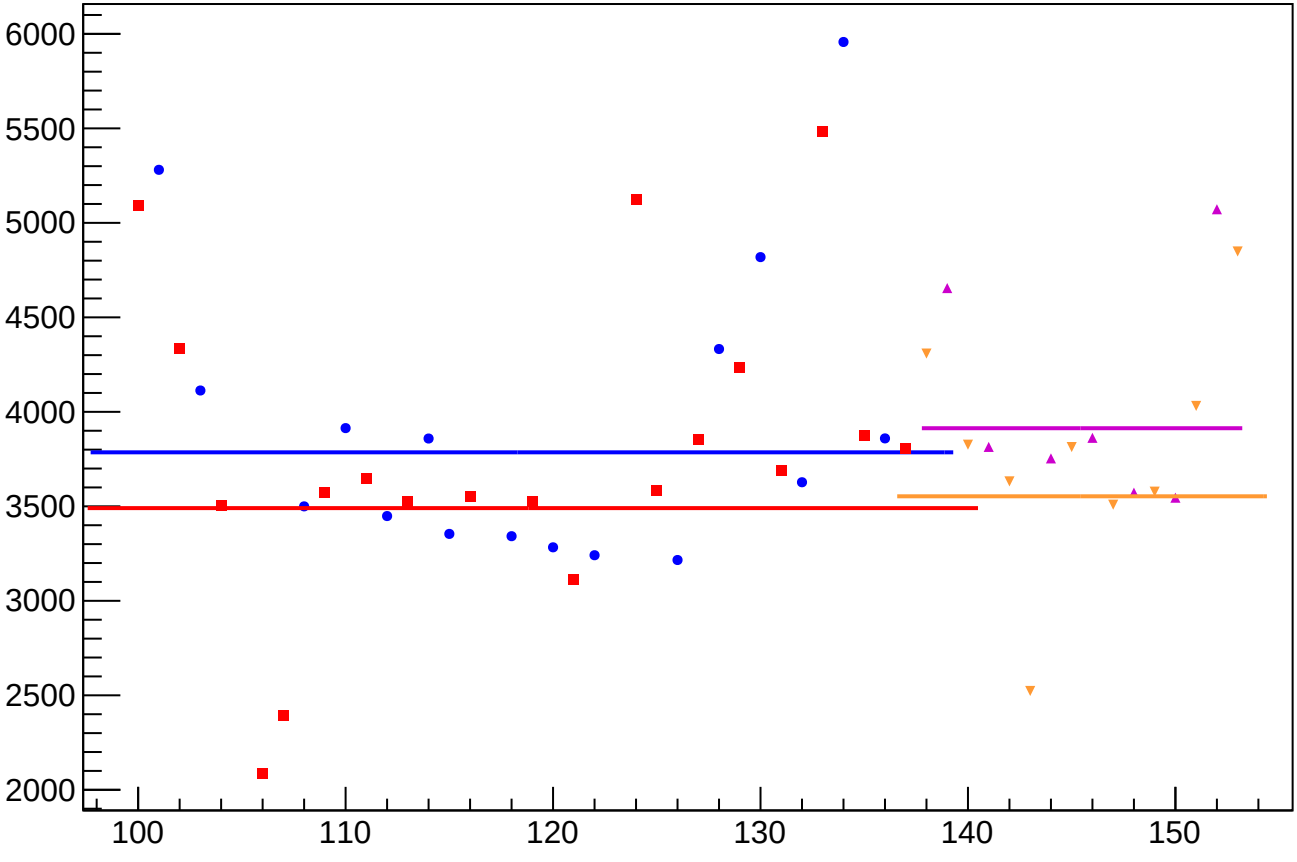
Left In: -596.327+/-1594.326 χ^2/NDF:3.7/6

+ sign 497.871+/-989.820 χ^2/NDF: 27.3/24

All: 195.765+/-711.696 χ^2/NDF: 43.0/50

- sign -127.586+/-1024.032 χ^2/NDF: 15.5/25

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3553.105+/-0.969 χ^2/NDF:475775.6/8

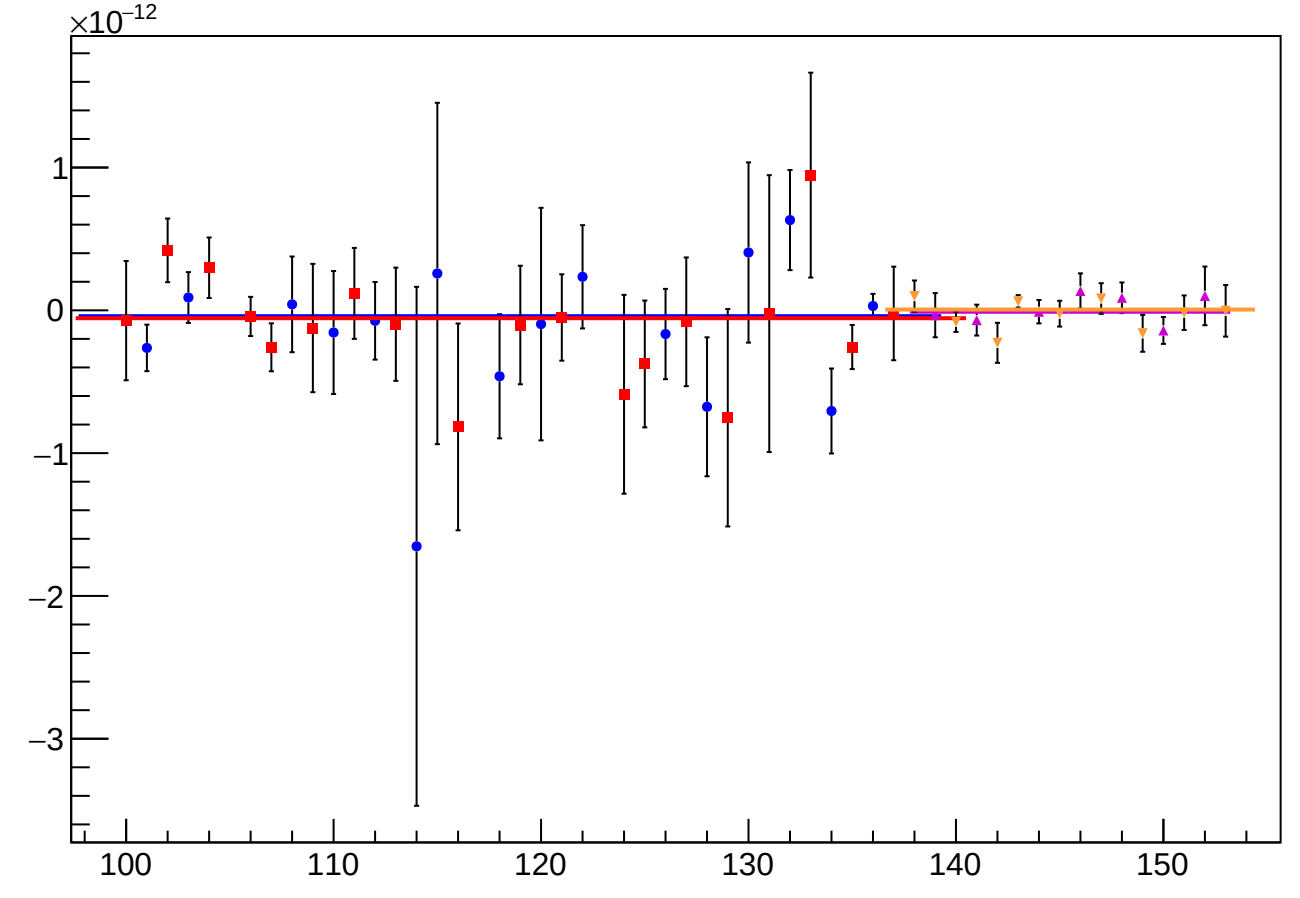
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3913.340+/-1.127 χ^2/NDF:172116.9/6

+ sign 3664.329+/-0.700 χ^2/NDF: 886342.2/24

All: 3663.293+/-0.501 χ^2/NDF: 1728709.5/50

- sign 3662.202+/-0.718 χ^2/NDF: 842362.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/8

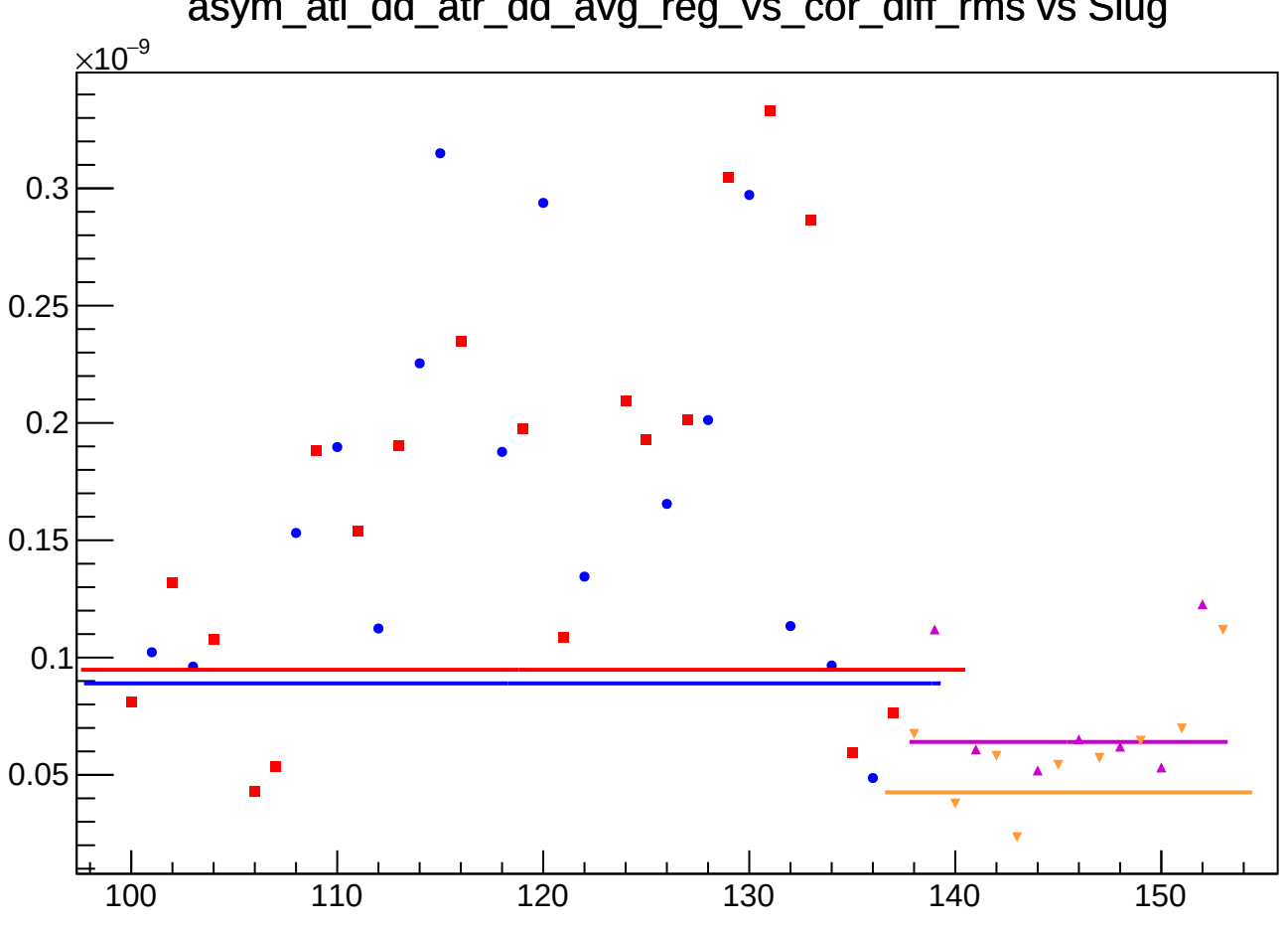
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 26.1/24

All: -0.000+/-0.000 χ^2/NDF: 47.3/50

- sign -0.000+/-0.000 χ^2/NDF: 21.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1041855.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

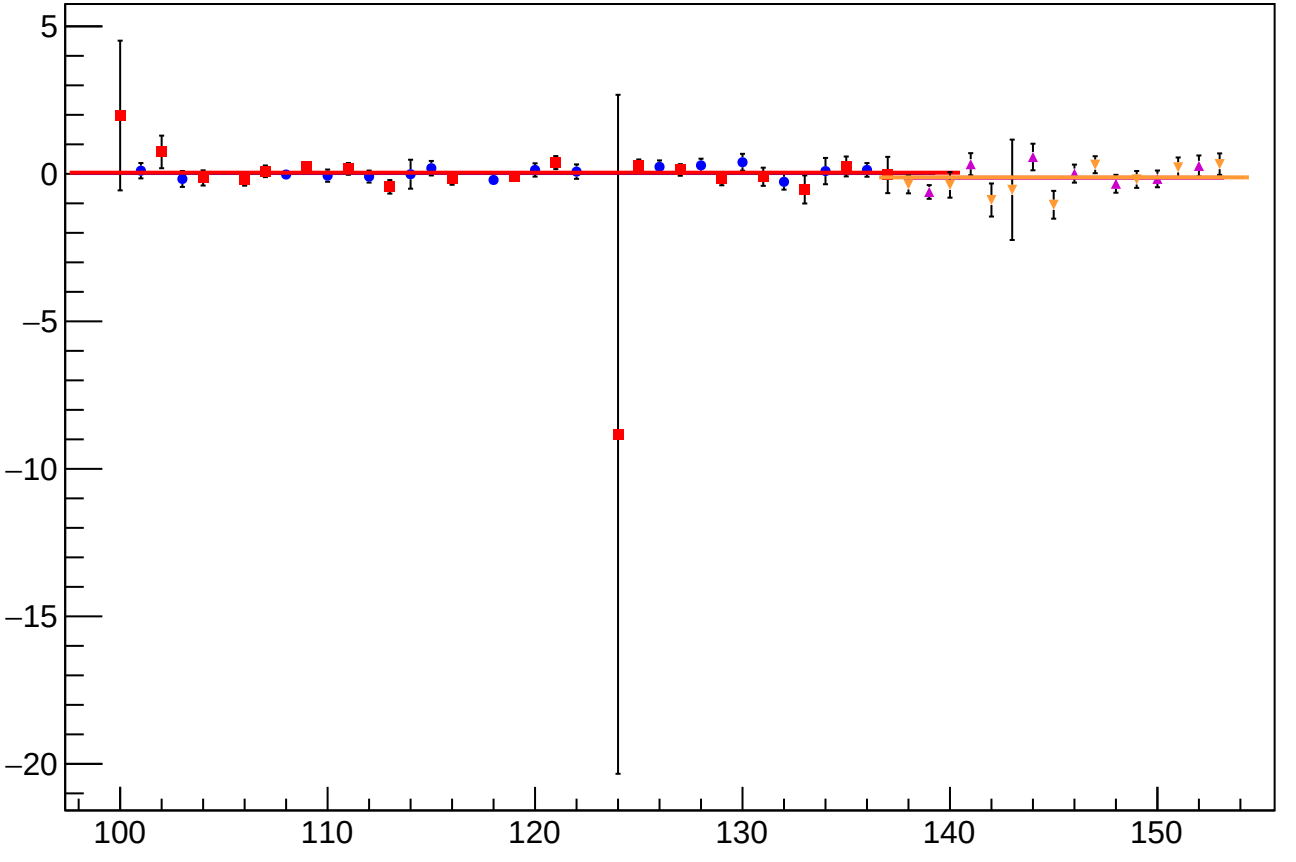
Left In: 0.000+/-0.000 χ^2/NDF:428699.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3505467.4/24

All: 0.000+/-0.000 χ^2/NDF: 6498122.6/50

- sign 0.000+/-0.000 χ^2/NDF: 2486384.4/25

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

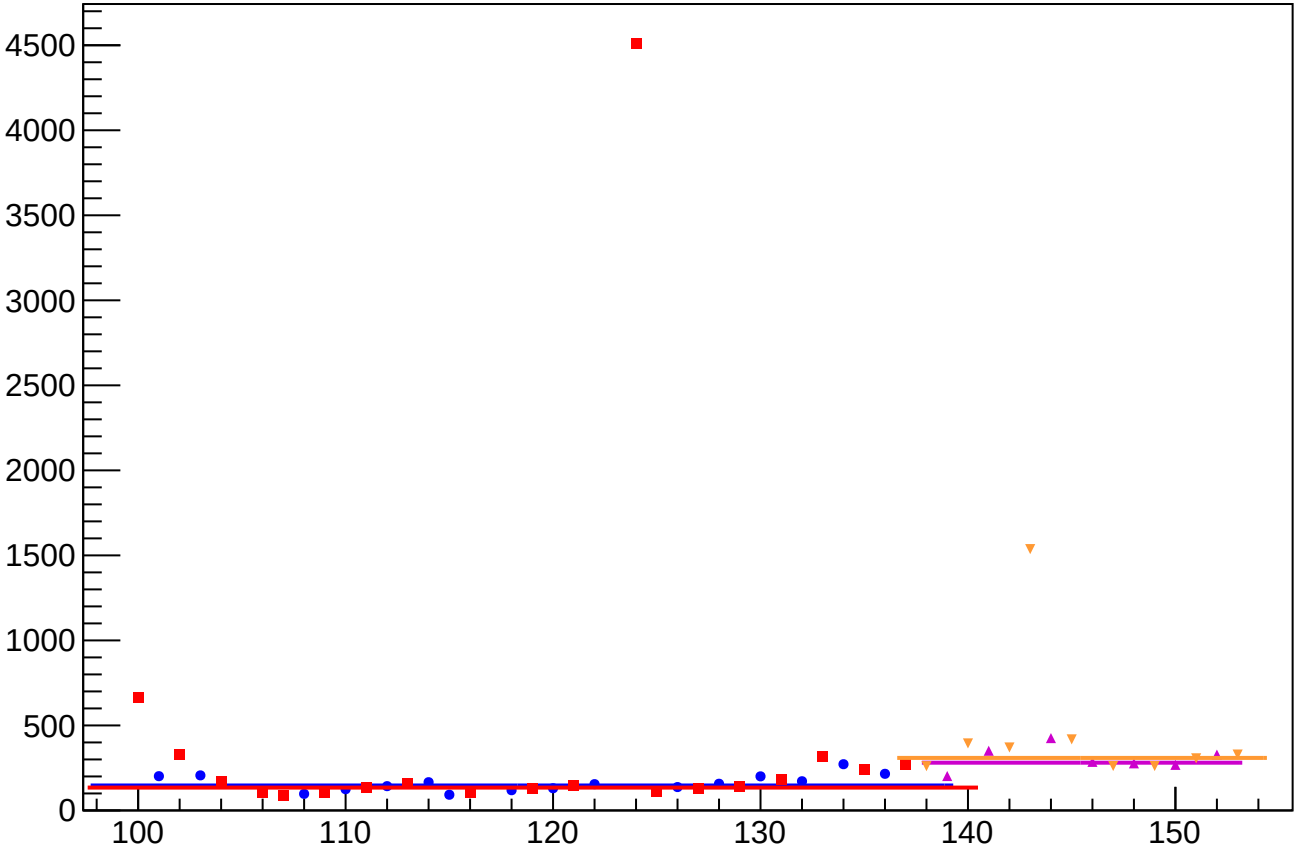
Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 309.010+/-0.088 χ^2/NDF:1418308.9/8

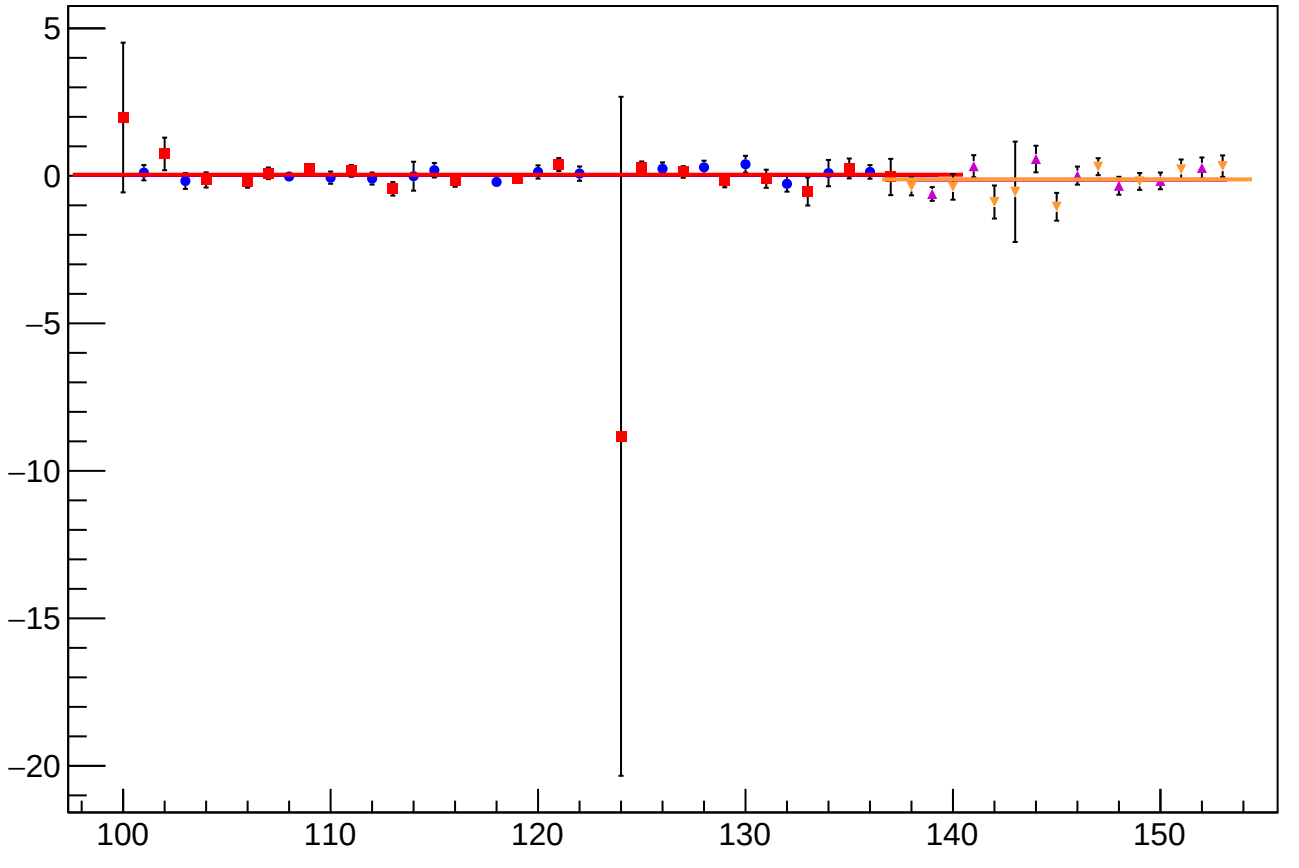
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229682.8/24

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

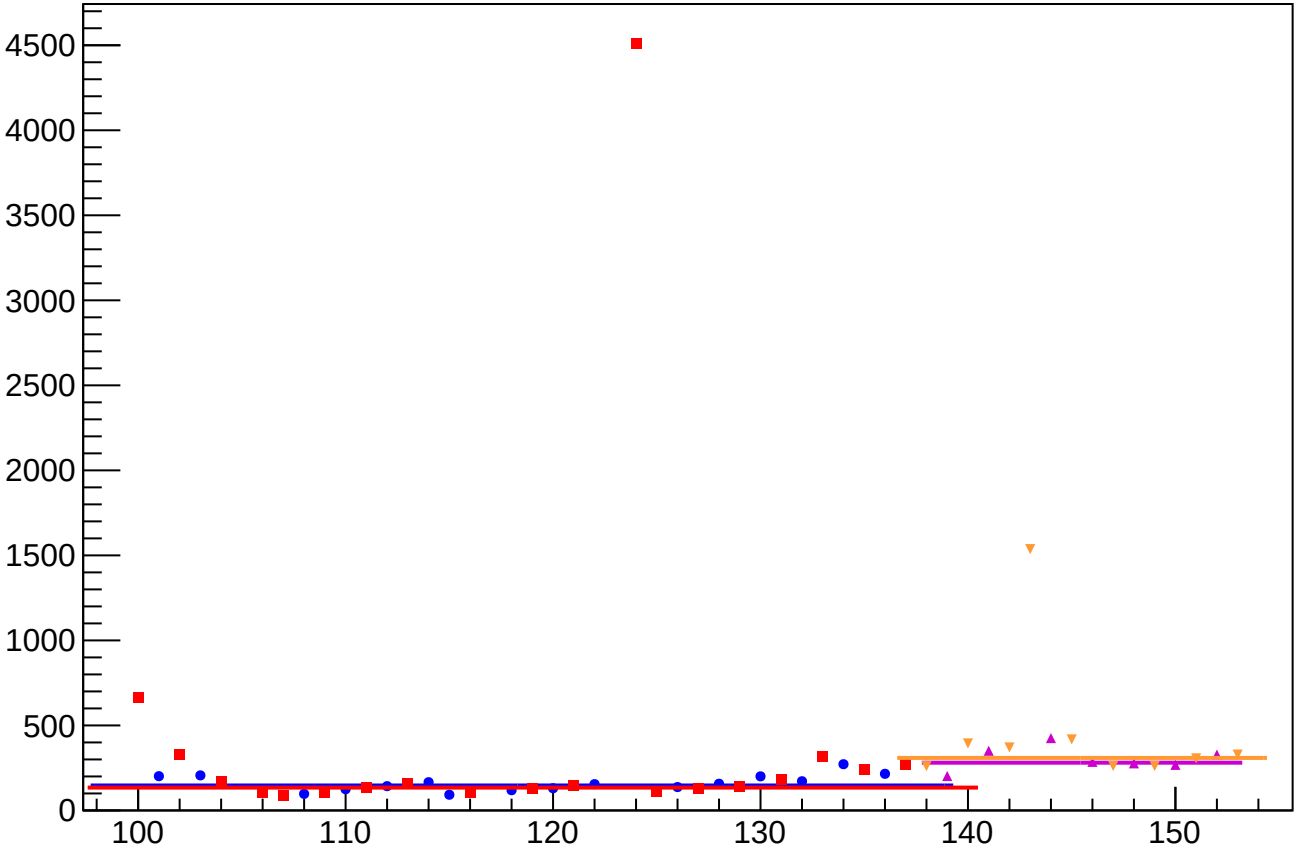
Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 309.010+/-0.088 χ^2/NDF:1418308.9/8

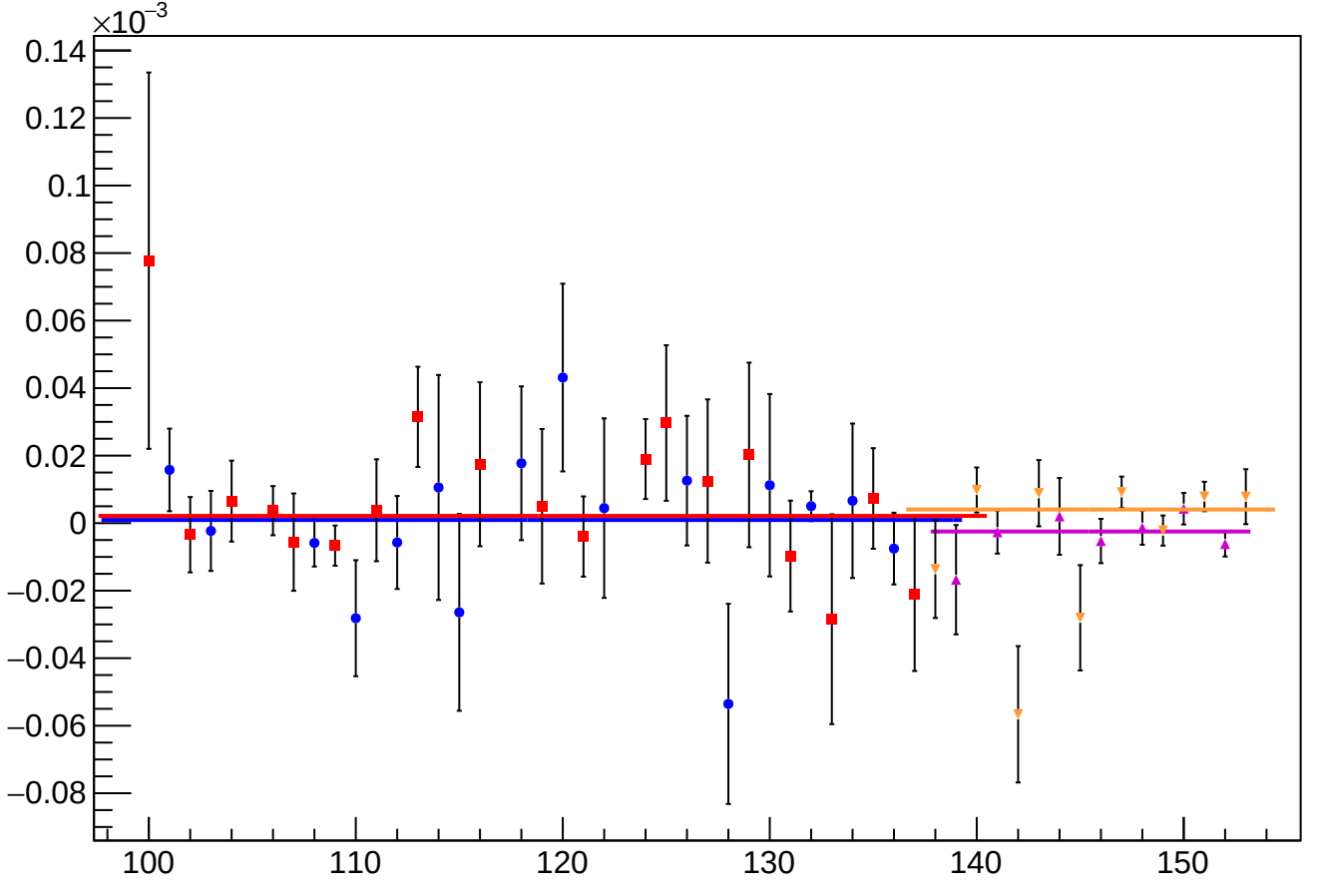
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229682.8/24

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/8

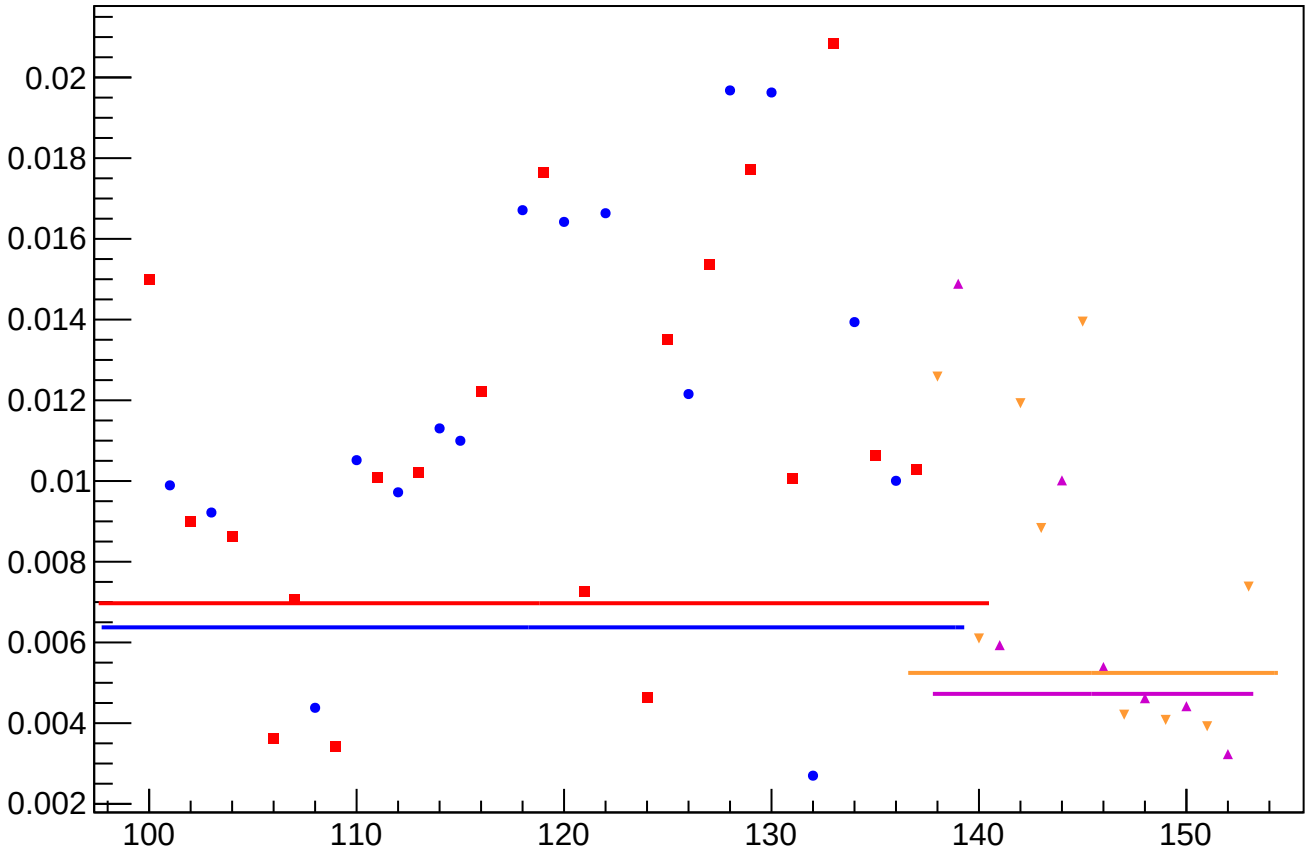
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/24

All: 0.000+/-0.000 χ^2/NDF: 59.8/50

- sign -0.000+/-0.000 χ^2/NDF: 21.8/25



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2216600.2/8

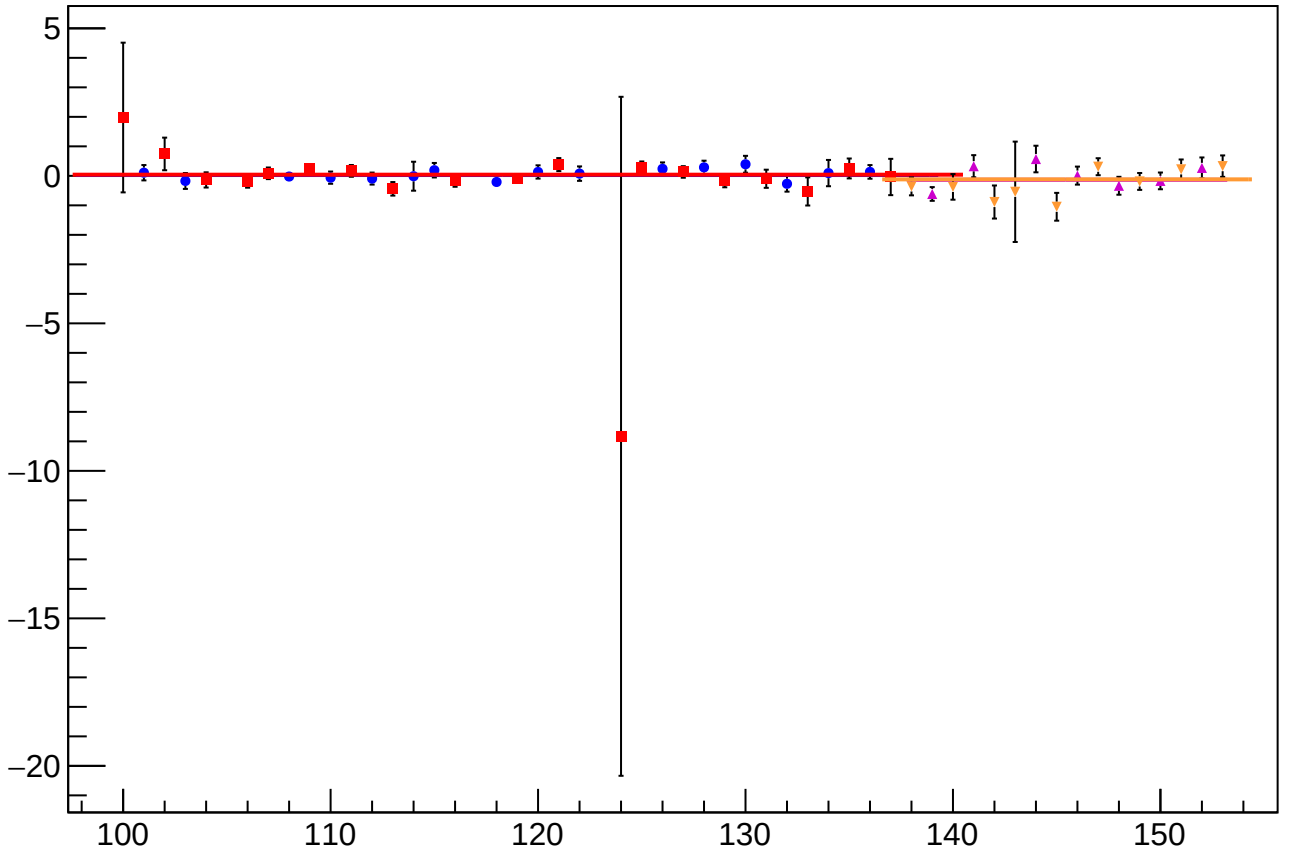
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1642592.5/6

+ sign 0.006+/-0.000 χ^2/NDF: 7047153.8/24

All: 0.006+/-0.000 χ^2/NDF: 12845103.5/50

- sign 0.005+/-0.000 χ^2/NDF: 5788798.5/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

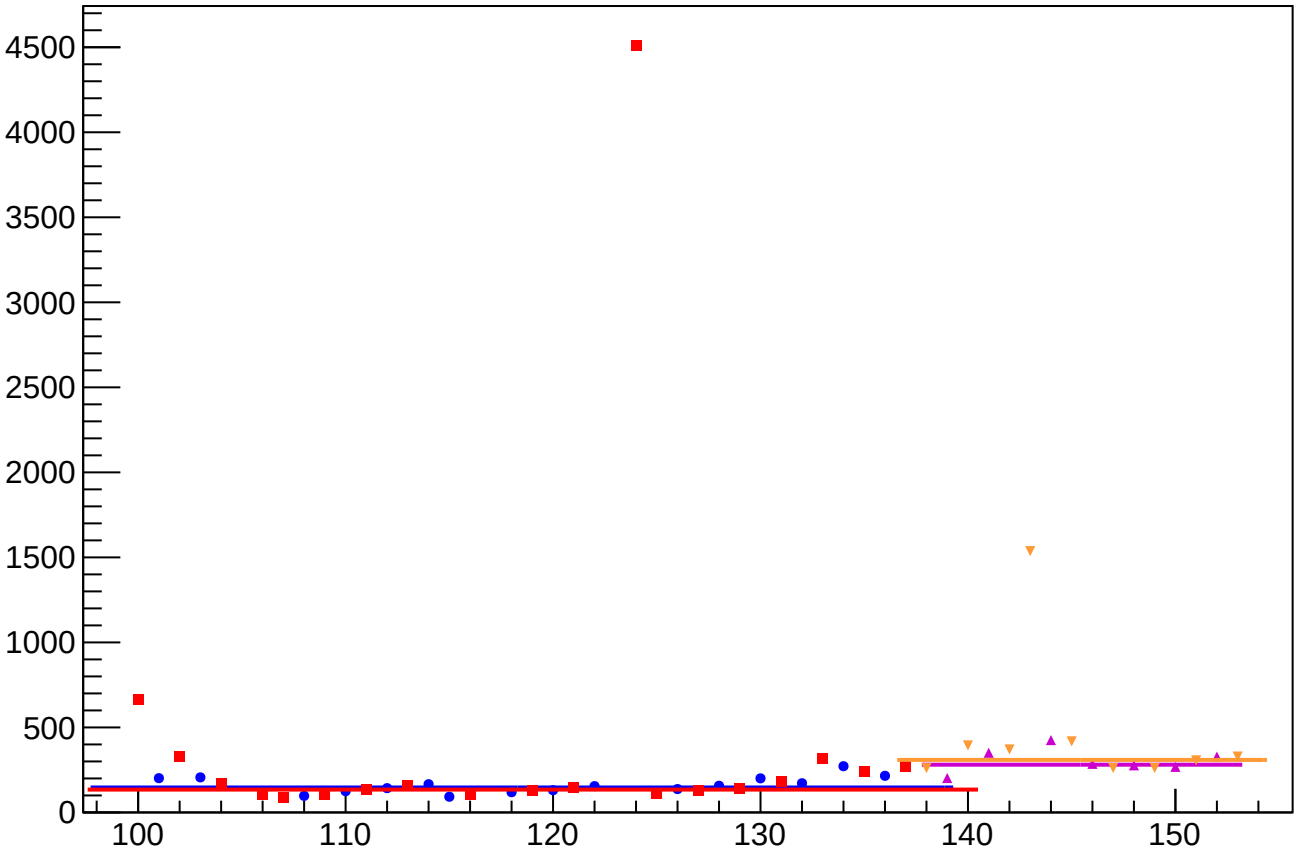
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 309.013+/-0.088 χ^2/NDF:1418308.0/8

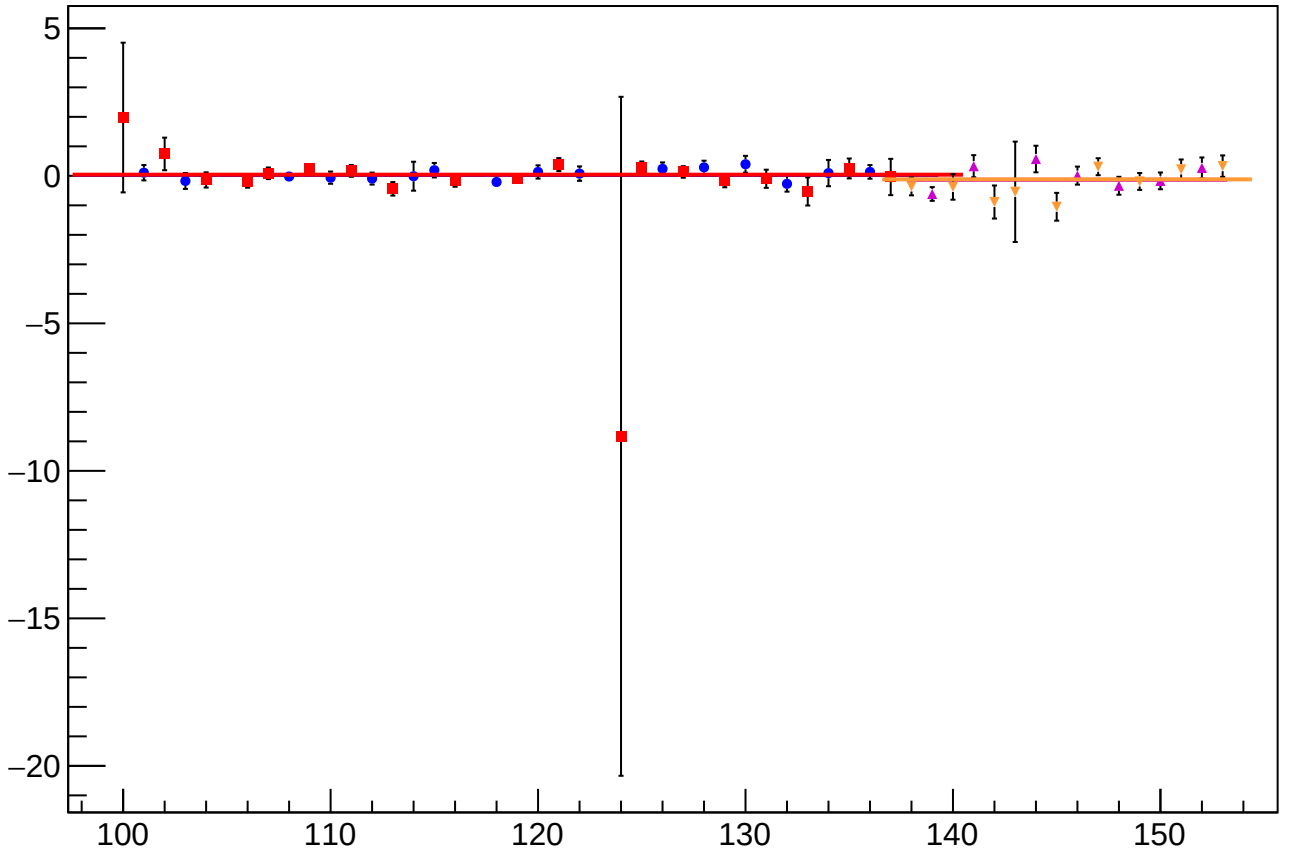
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229692.7/24

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

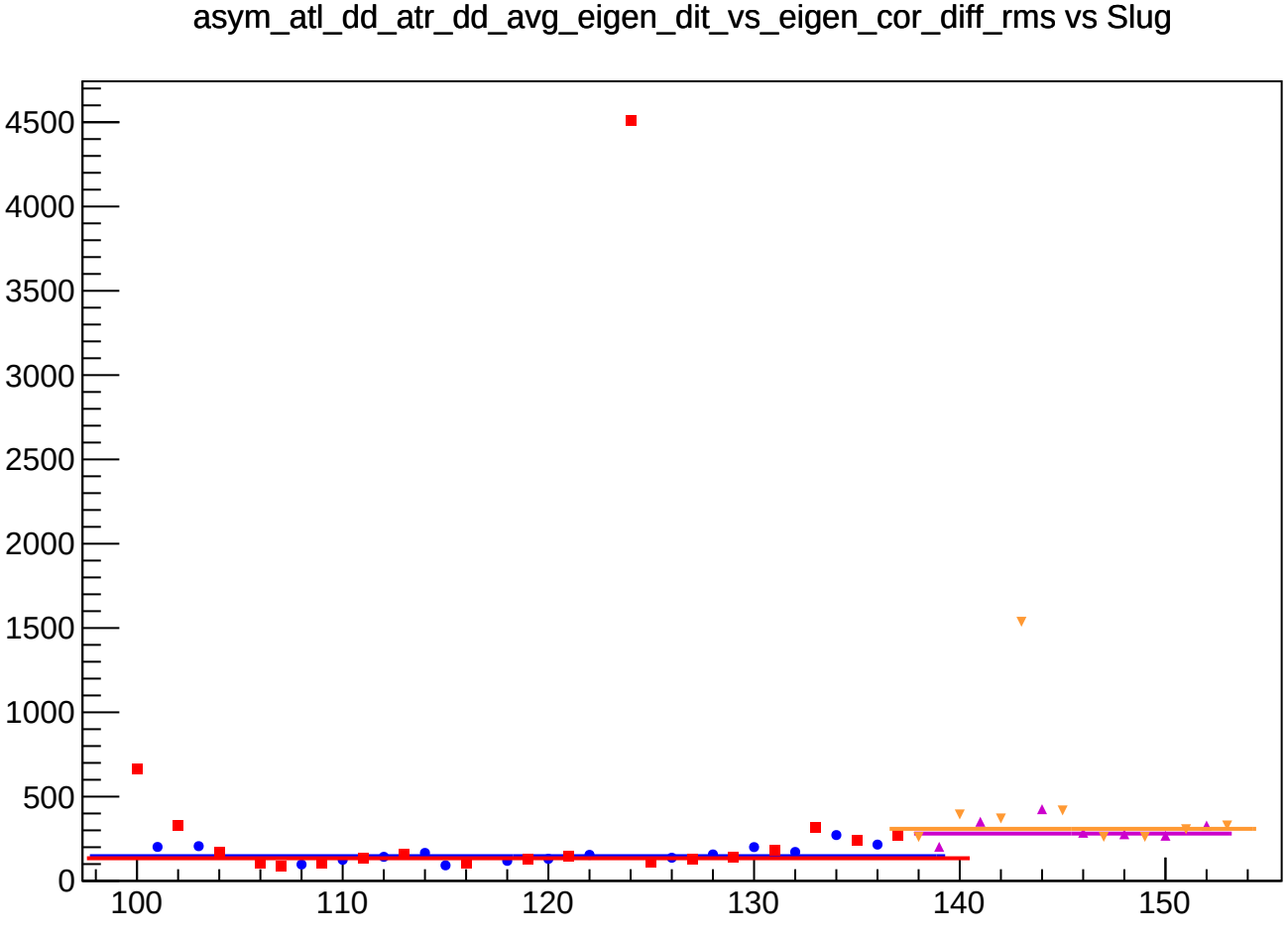
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 309.013+/-0.088 χ^2/NDF:1418308.0/8

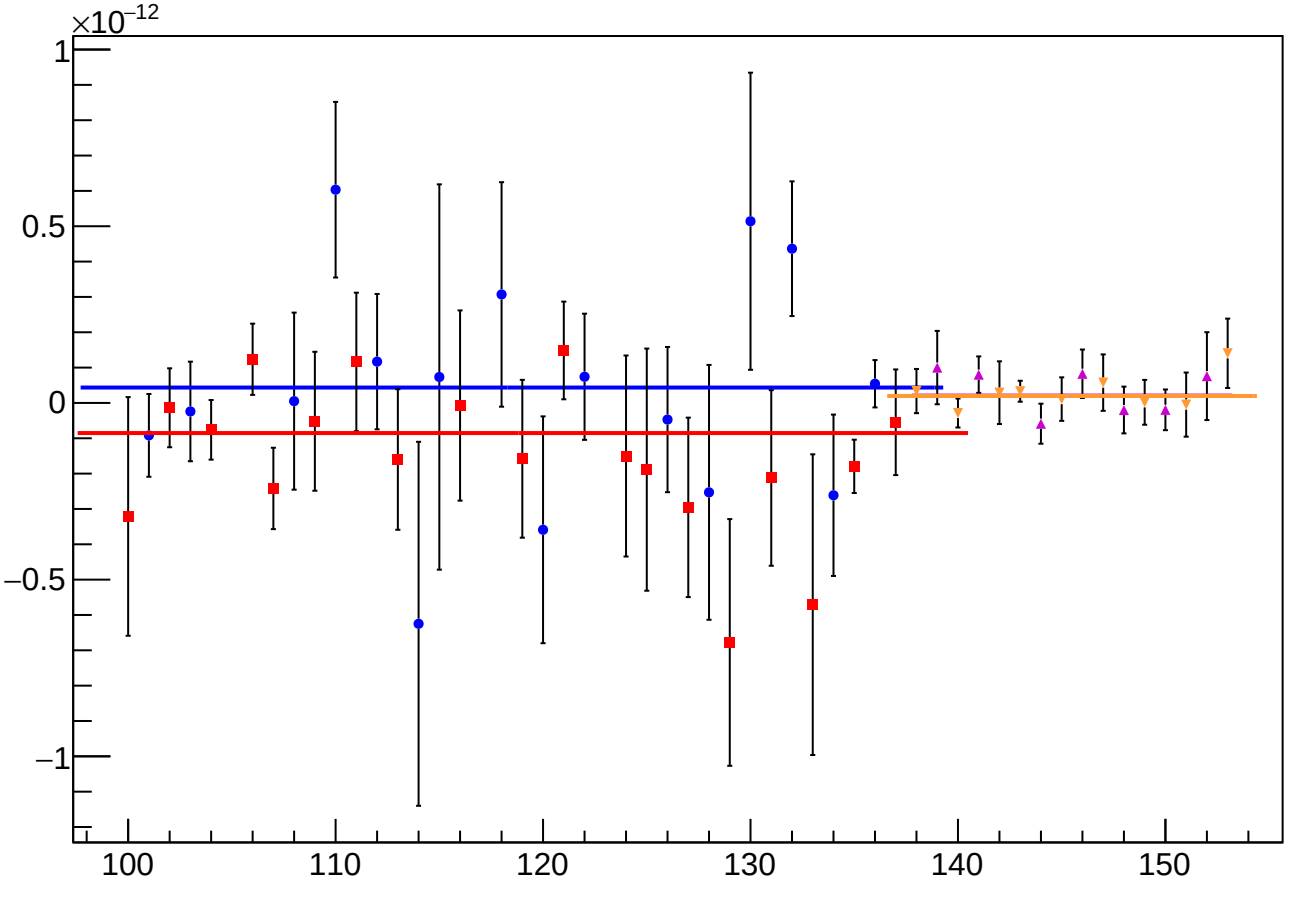
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229692.7/24

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/8

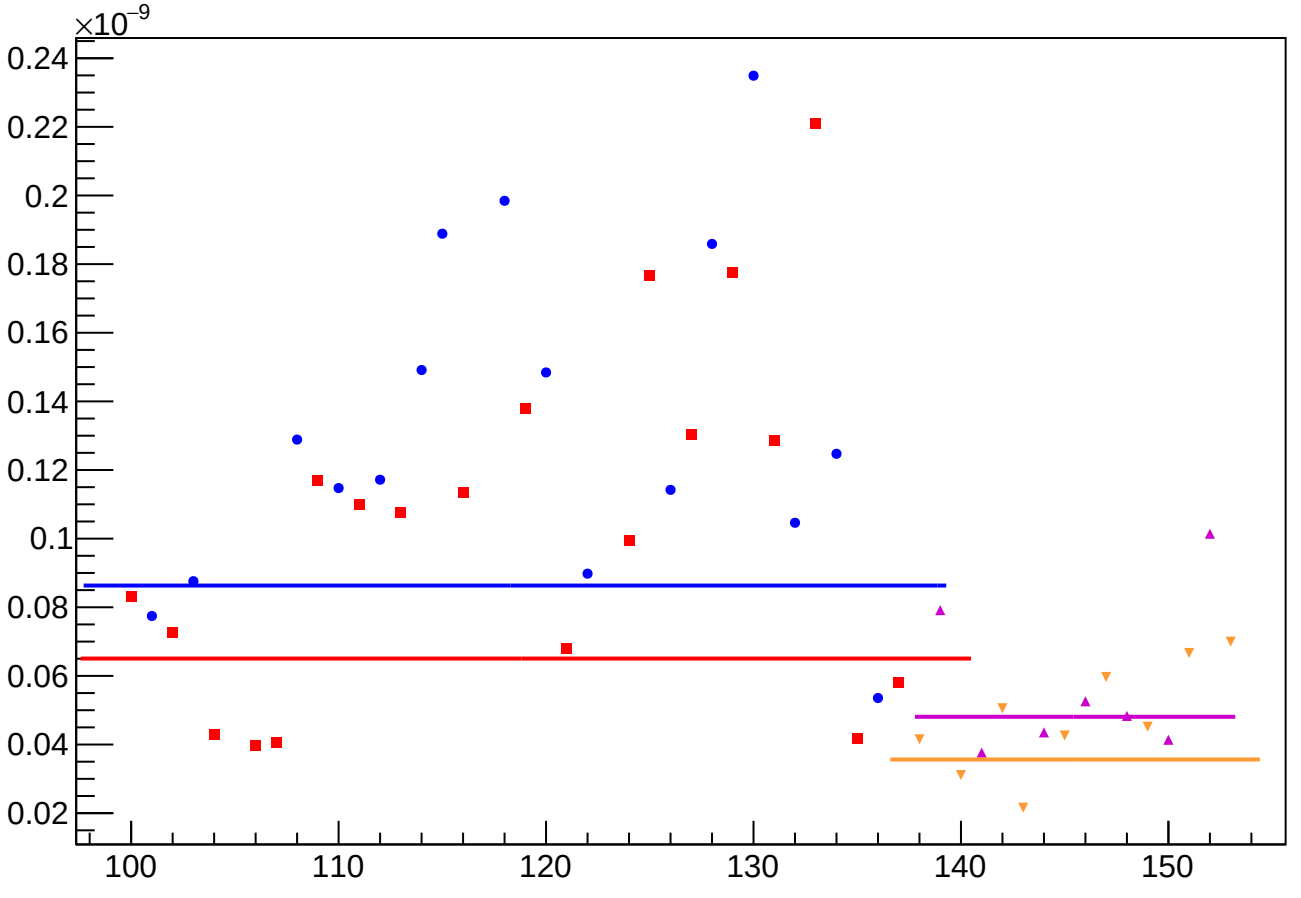
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/24

All: 0.000+/-0.000 χ^2/NDF: 55.3/50

- sign -0.000+/-0.000 χ^2/NDF: 30.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1279426.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

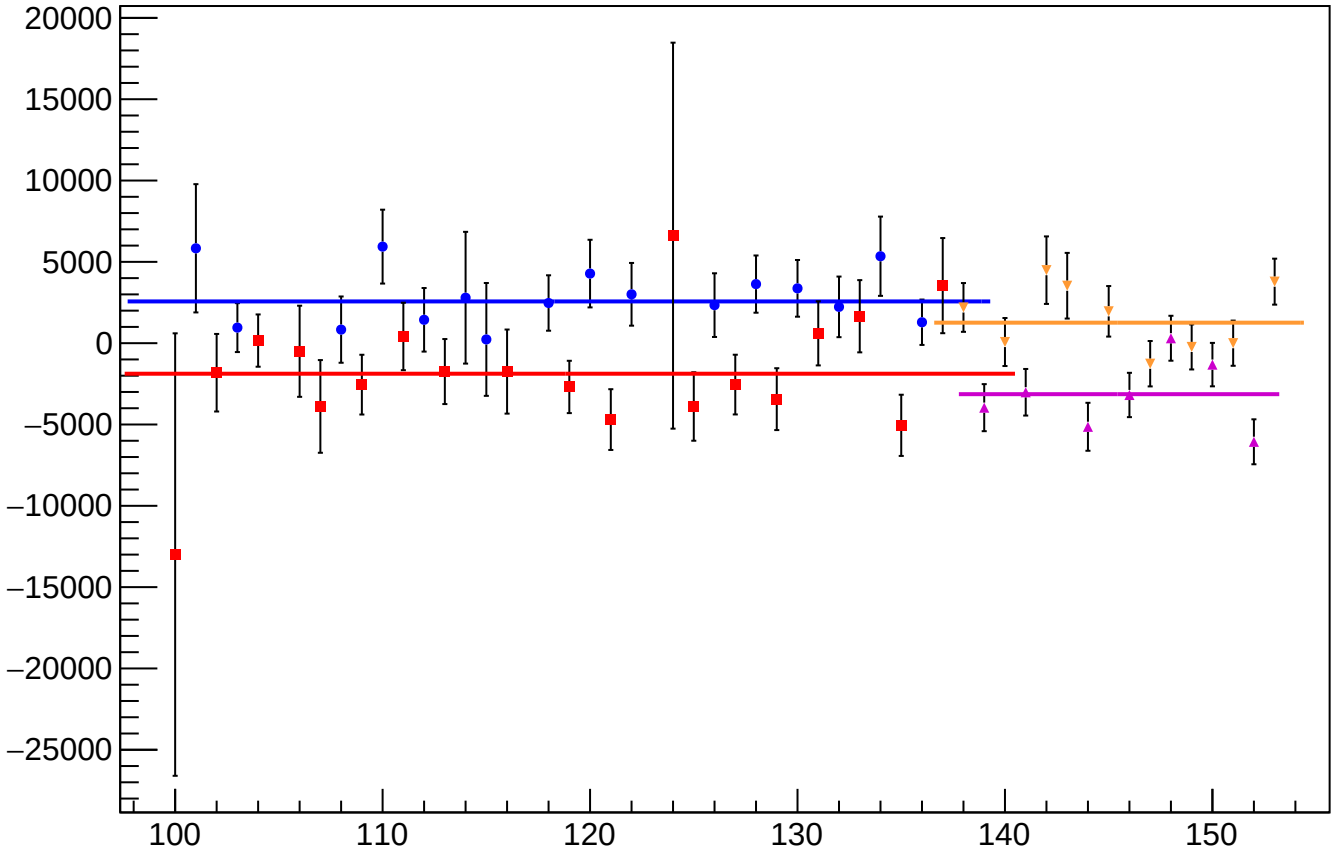
Left In: 0.000+/-0.000 χ^2/NDF:678131.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 5225782.3/24

All: 0.000+/-0.000 χ^2/NDF: 8706372.8/50

- sign 0.000+/-0.000 χ^2/NDF: 3156692.4/25

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1261.010+/-509.703 χ^2/NDF:13.4/8

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

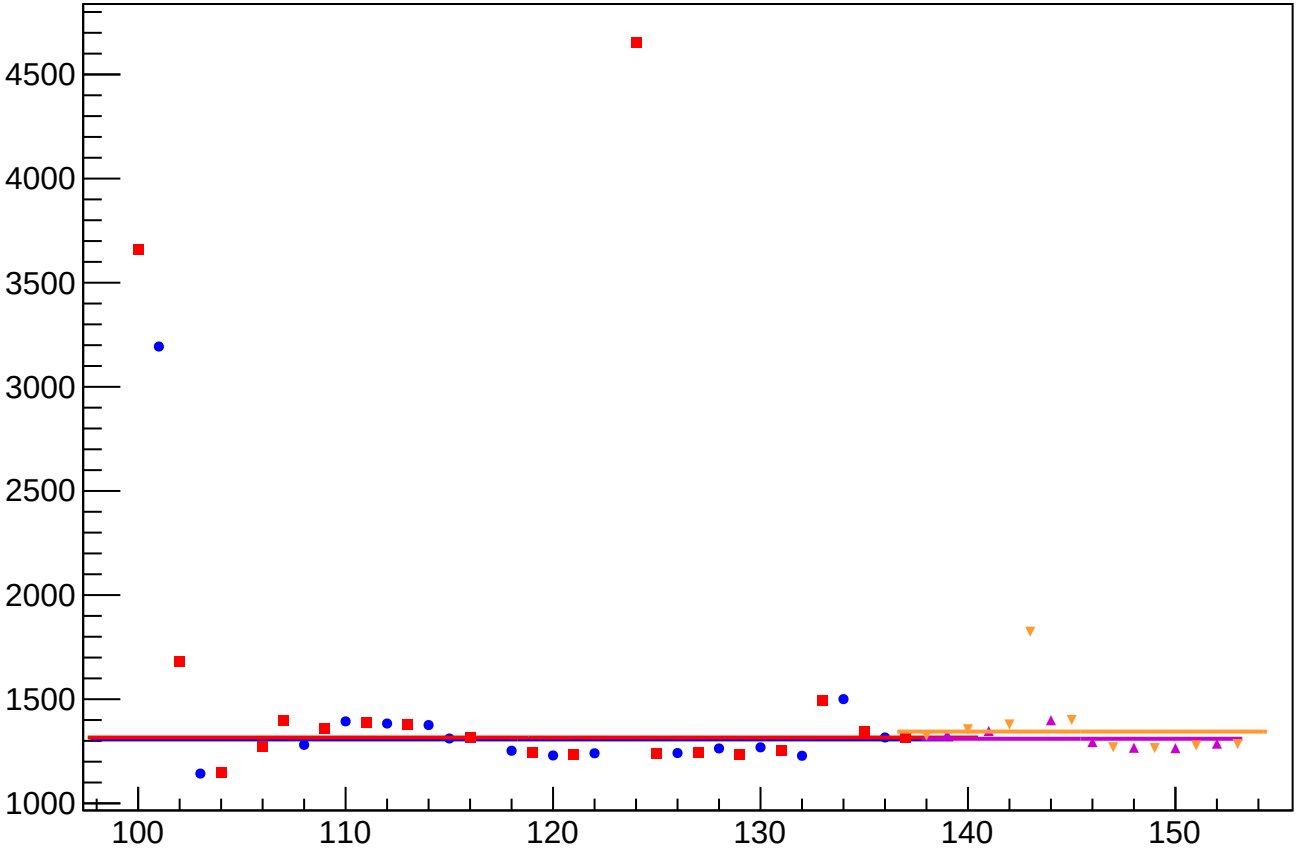
Left In: -3135.250+/-529.093 χ^2/NDF:14.7/6

+ sign 1932.870+/-355.236 χ^2/NDF: 25.8/24

All: -228.227+/-253.328 χ^2/NDF: 138.4/50

- sign -2464.477+/-361.361 χ^2/NDF: 37.3/25

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1344.572+/-0.360 χ^2/NDF:137054.2/8

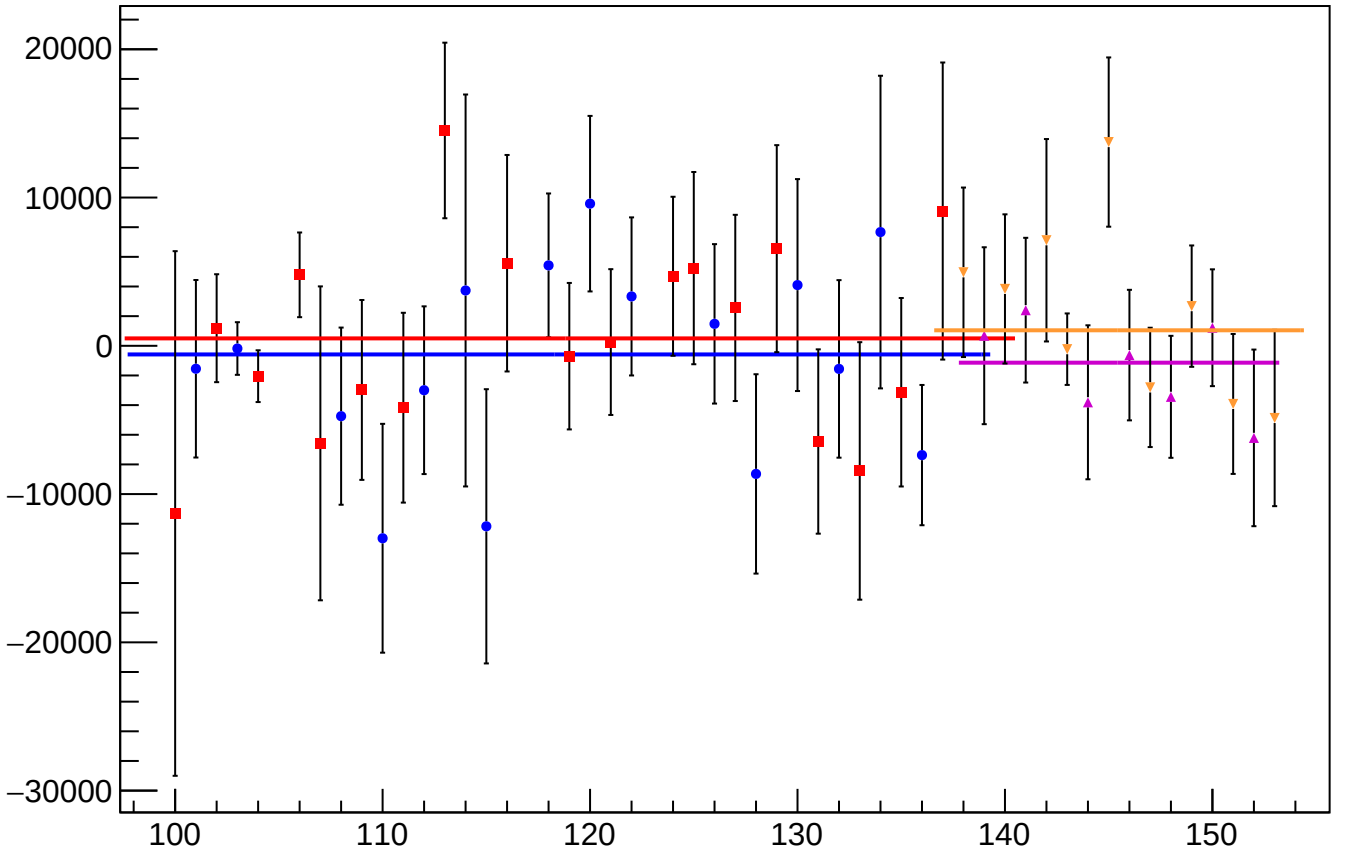
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1310.053+/-0.374 χ^2/NDF:14118.1/6

+ sign 1325.285+/-0.251 χ^2/NDF: 658871.7/24

All: 1319.354+/-0.179 χ^2/NDF: 1000677.9/50

- sign 1313.233+/-0.255 χ^2/NDF: 340673.2/25



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 1046.125+/-1430.024 χ^2/NDF:10.0/8

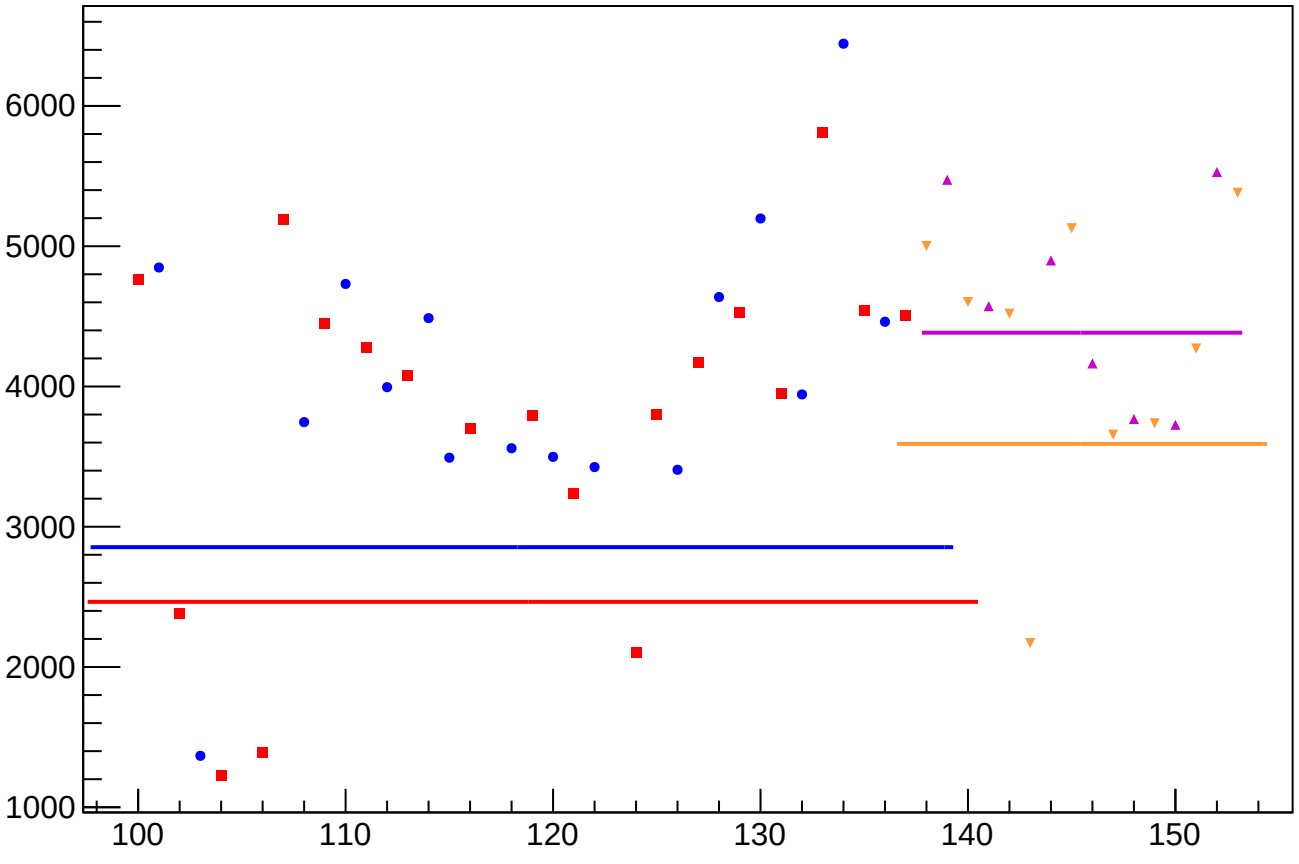
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -1138.160+/-1794.676 χ^2/NDF:2.3/6

\+ sign 86.165+/-916.011 χ^2/NDF: 25.5/24

All: 82.611+/-645.500 χ^2/NDF: 46.1/50

\- sign 79.105+/-909.772 χ^2/NDF: 20.6/25



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3590.494+/-1.011 χ^2/NDF:1304651.4/8

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

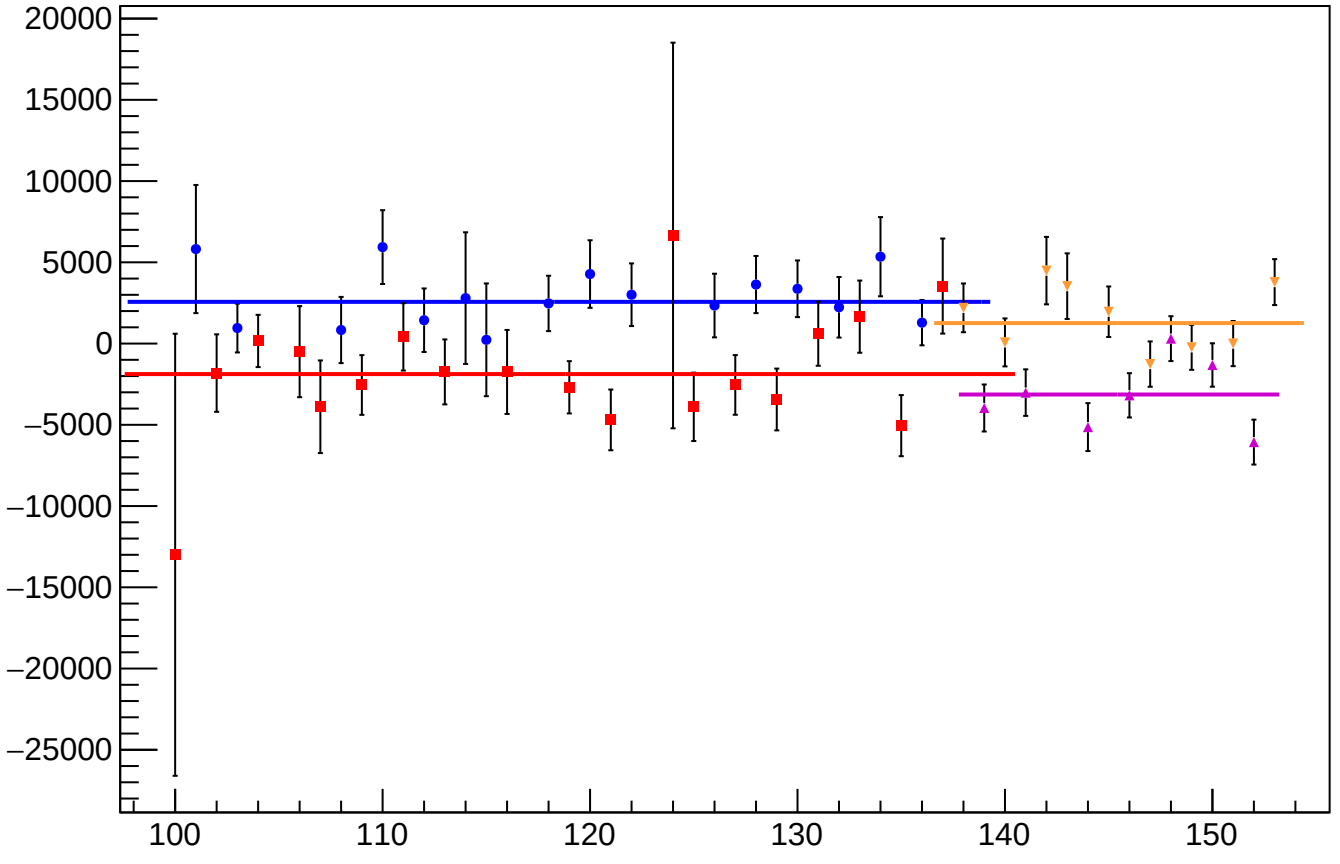
Left In: 4383.468+/-1.269 χ^2/NDF:268732.7/6

+ sign 3156.370+/-0.648 χ^2/NDF: 4522045.7/24

All: 3056.355+/-0.456 χ^2/NDF: 9892934.0/50

- sign 2957.698+/-0.643 χ^2/NDF: 5323526.4/25

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1260.915+/-509.703 χ^2/NDF:13.4/8

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

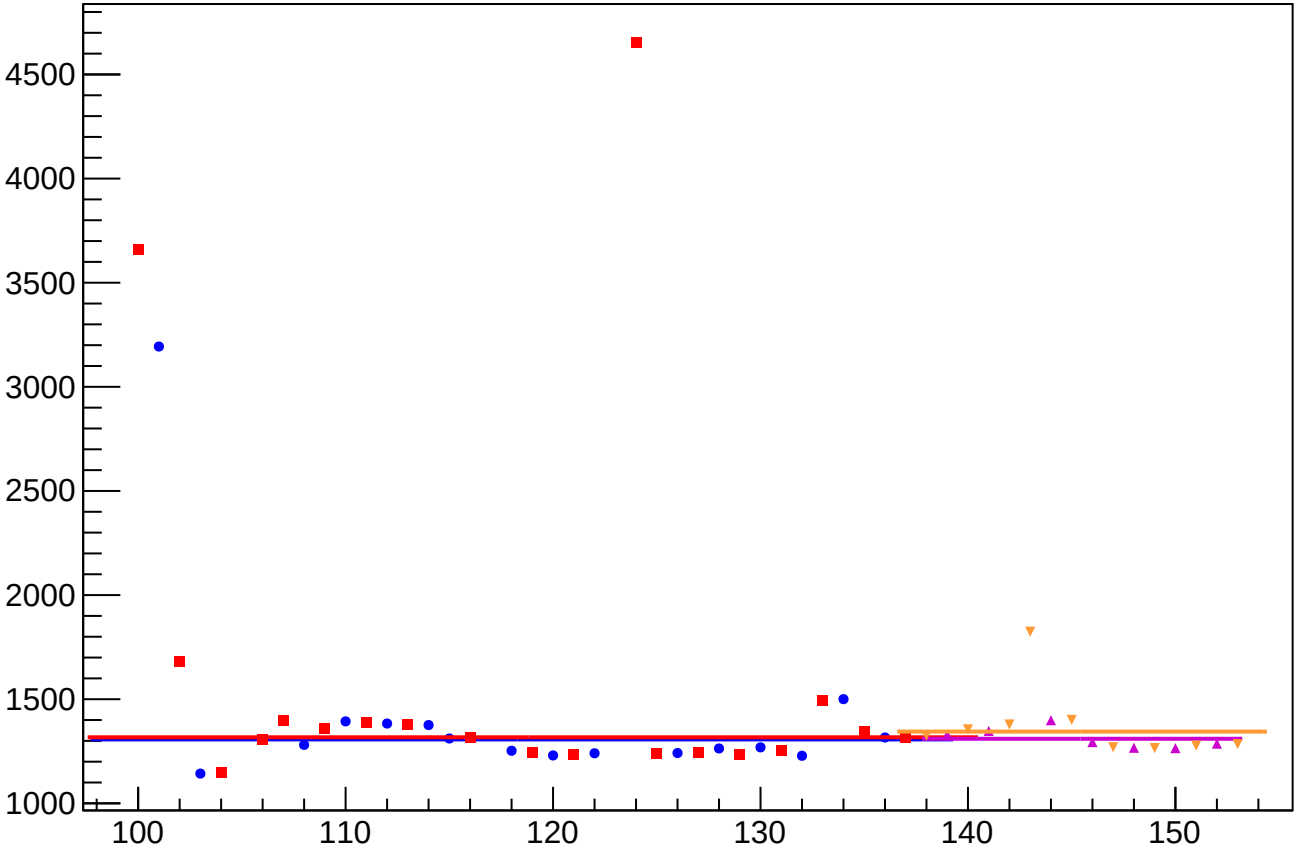
Left In: -3135.447+/-529.093 χ^2/NDF:14.7/6

+ sign 1932.680+/-355.237 χ^2/NDF: 25.8/24

All: -228.302+/-253.328 χ^2/NDF: 138.4/50

- sign -2464.433+/-361.361 χ^2/NDF: 37.3/25

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1344.572+/-0.360 χ^2/NDF:137054.2/8

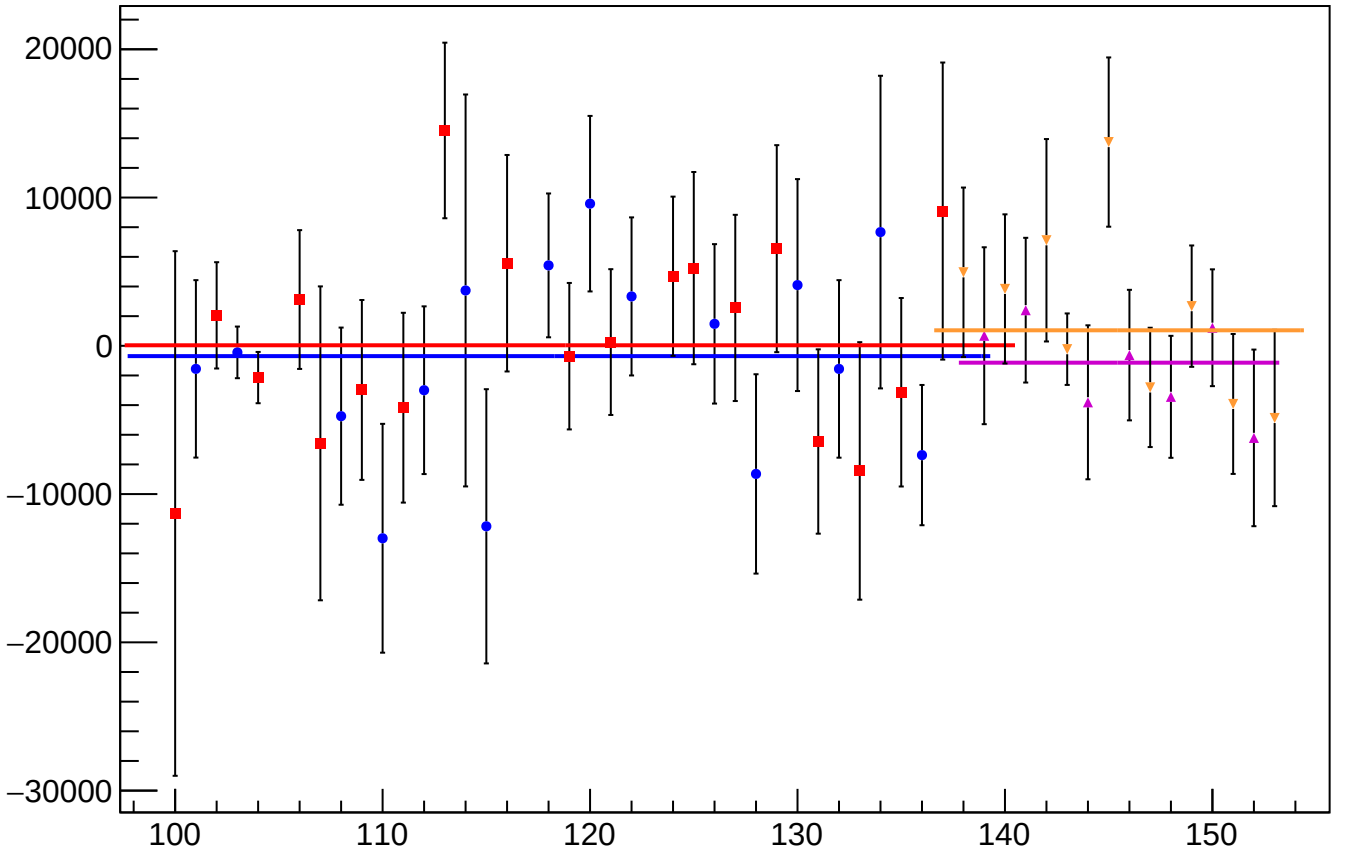
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1310.053+/-0.374 χ^2/NDF:14118.1/6

+ sign 1325.285+/-0.251 χ^2/NDF: 658873.3/24

All: 1319.652+/-0.179 χ^2/NDF: 1000131.6/50

- sign 1313.835+/-0.255 χ^2/NDF: 340236.0/25



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1046.070+/-1430.016 χ^2/NDF:10.0/8

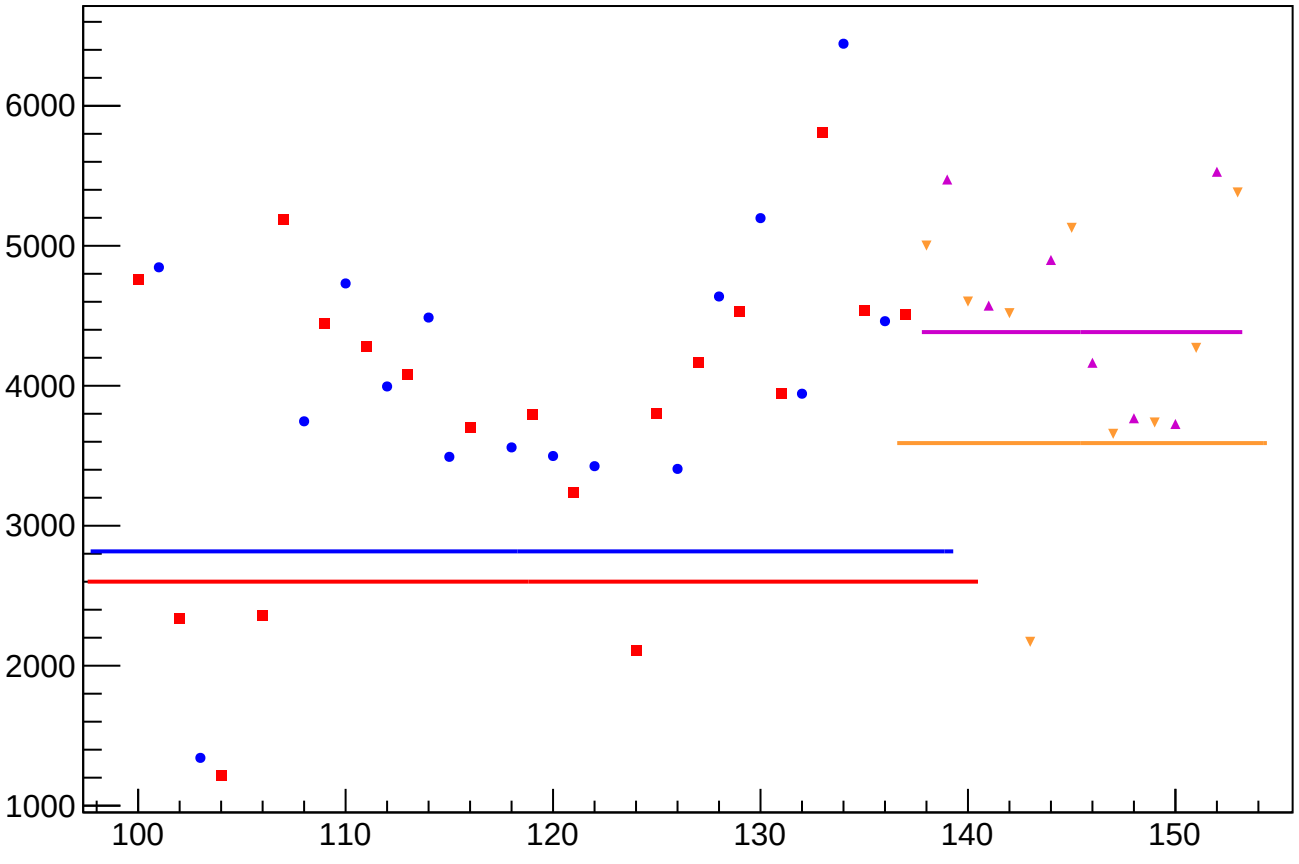
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1138.228+/-1794.676 χ^2/NDF:2.3/6

+ sign 11.853+/-911.261 χ^2/NDF: 25.5/24

All: -131.908+/-653.181 χ^2/NDF: 44.1/50

- sign -283.820+/-936.740 χ^2/NDF: 18.5/25



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3590.469+/-1.011 χ^2/NDF:1304694.6/8

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

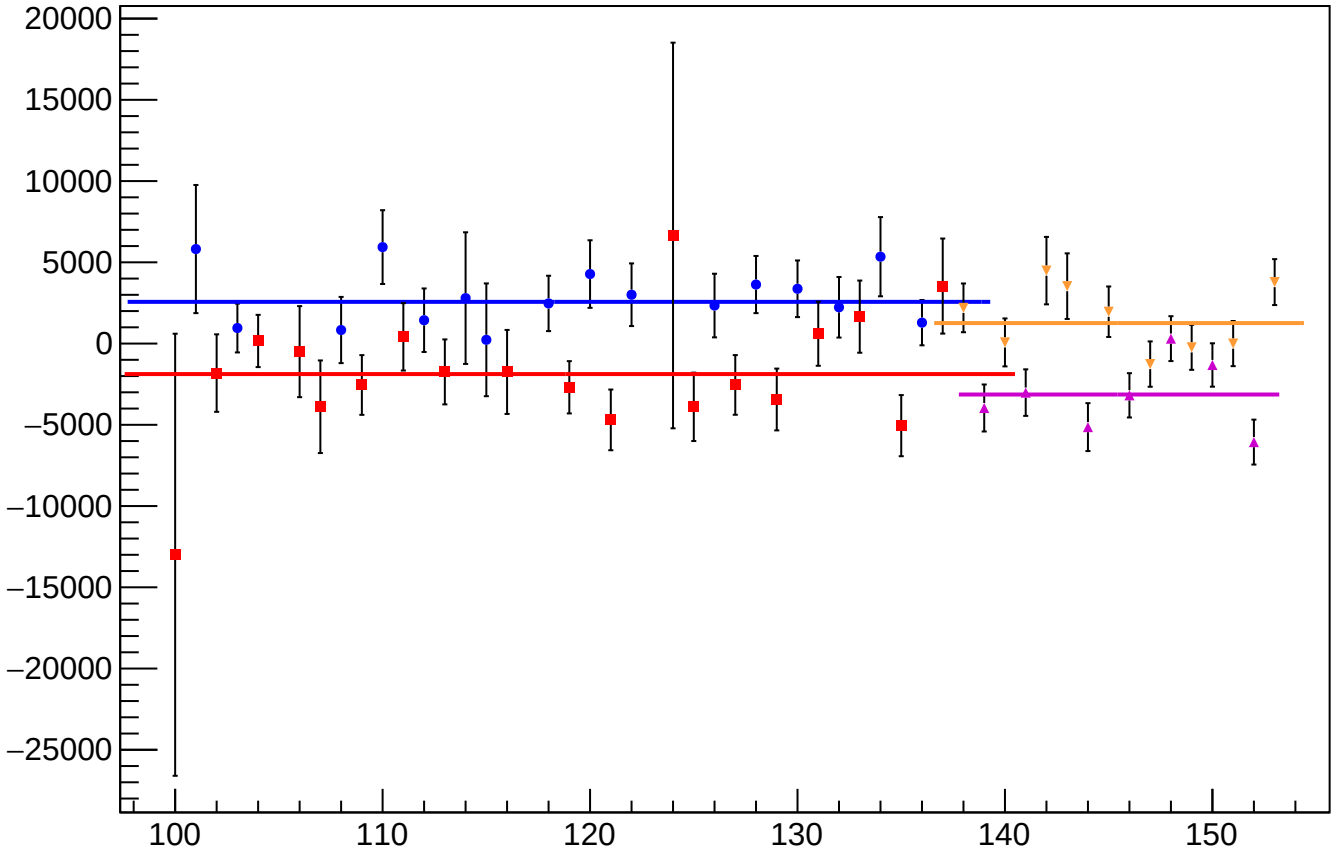
Left In: 4383.468+/-1.269 χ^2/NDF:268735.0/6

+ sign 3130.956+/-0.644 χ^2/NDF: 4659968.6/24

All: 3109.227+/-0.462 χ^2/NDF: 9447976.6/50

- sign 3086.265+/-0.662 χ^2/NDF: 4785669.0/25

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1260.915+/-509.703 χ^2/NDF:13.4/8

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

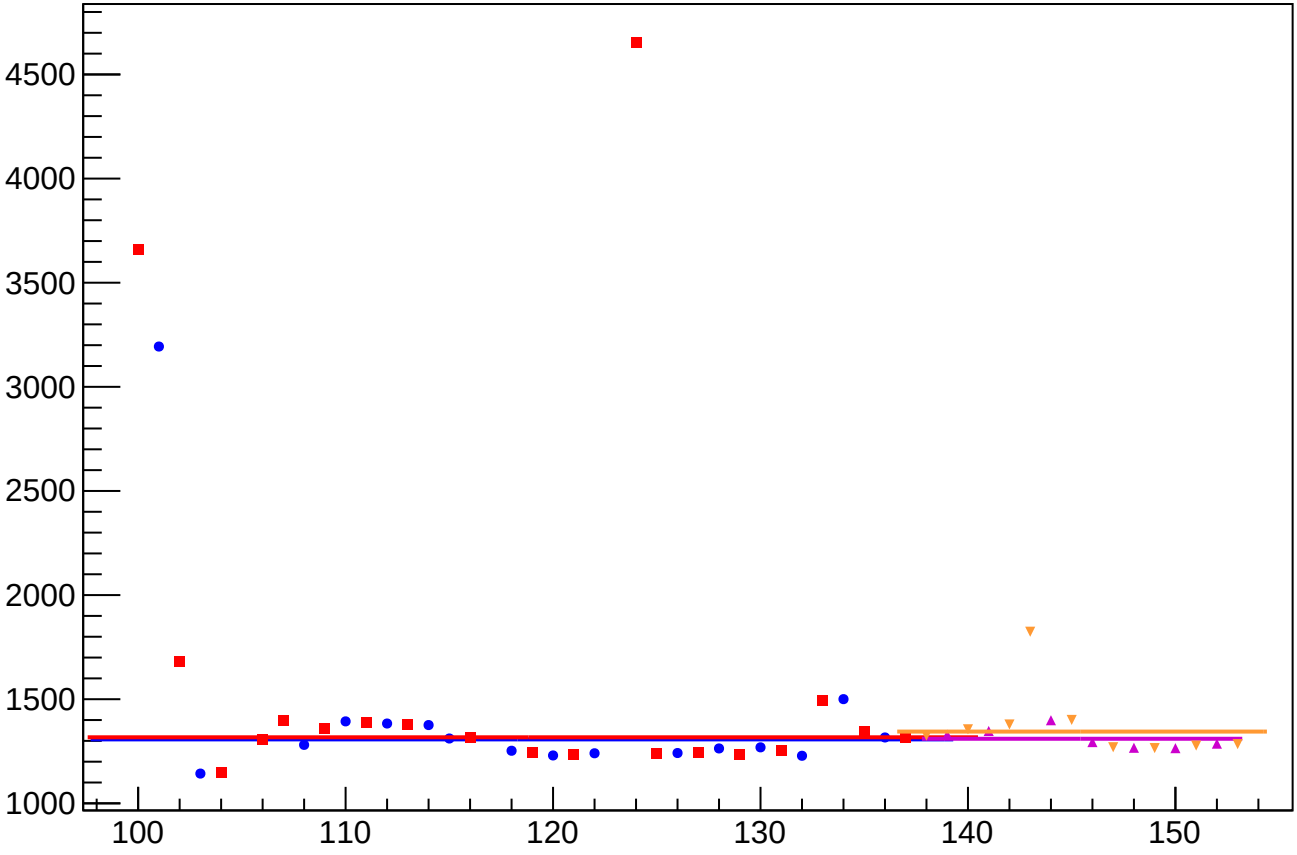
Left In: -3135.447+/-529.093 χ^2/NDF:14.7/6

+ sign 1932.680+/-355.237 χ^2/NDF: 25.8/24

All: -228.302+/-253.328 χ^2/NDF: 138.4/50

- sign -2464.433+/-361.361 χ^2/NDF: 37.3/25

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1344.572+/-0.360 χ^2/NDF:137054.2/8

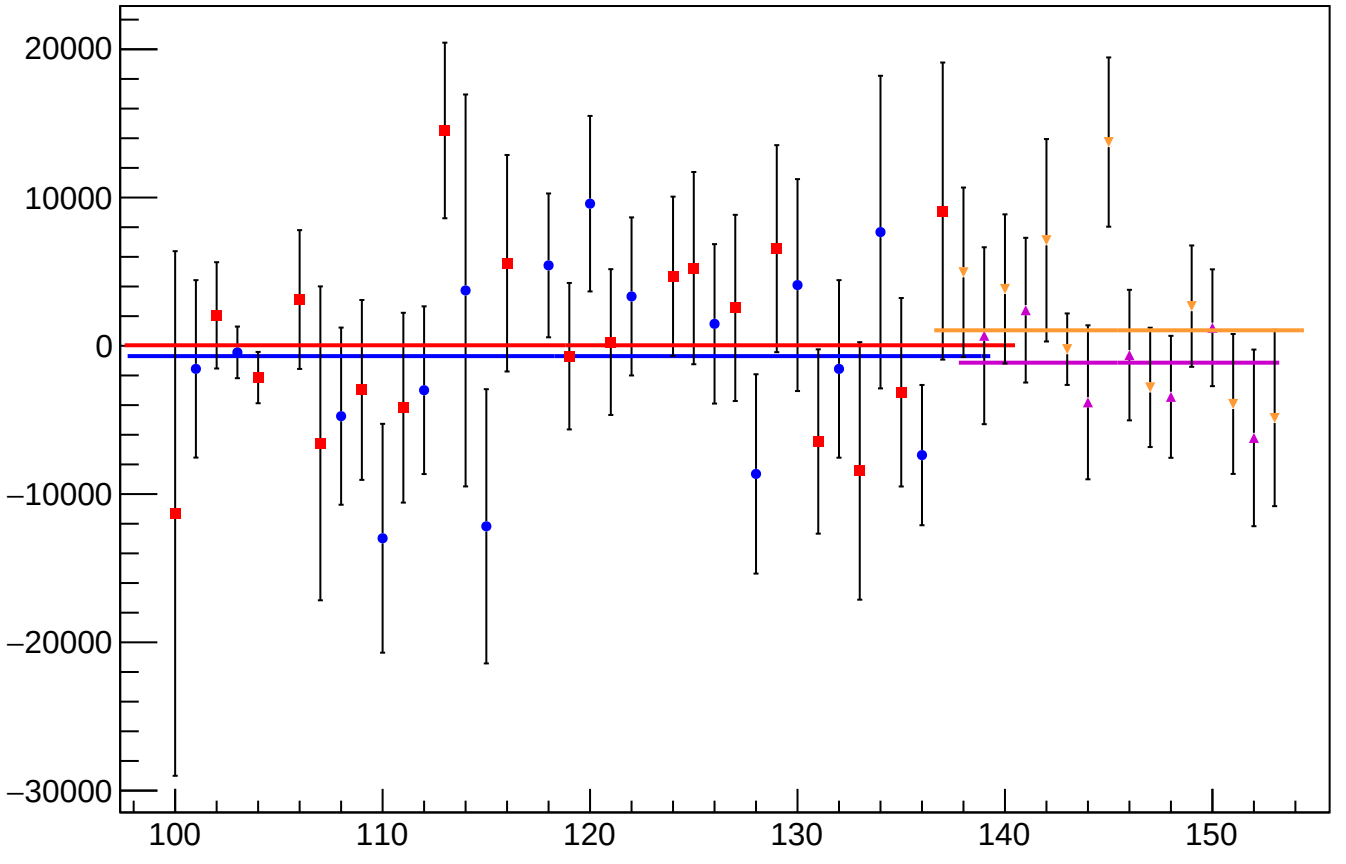
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1310.053+/-0.374 χ^2/NDF:14118.1/6

+ sign 1325.285+/-0.251 χ^2/NDF: 658873.3/24

All: 1319.652+/-0.179 χ^2/NDF: 1000131.6/50

- sign 1313.835+/-0.255 χ^2/NDF: 340236.0/25



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1046.070+/-1430.016 χ^2/NDF:10.0/8

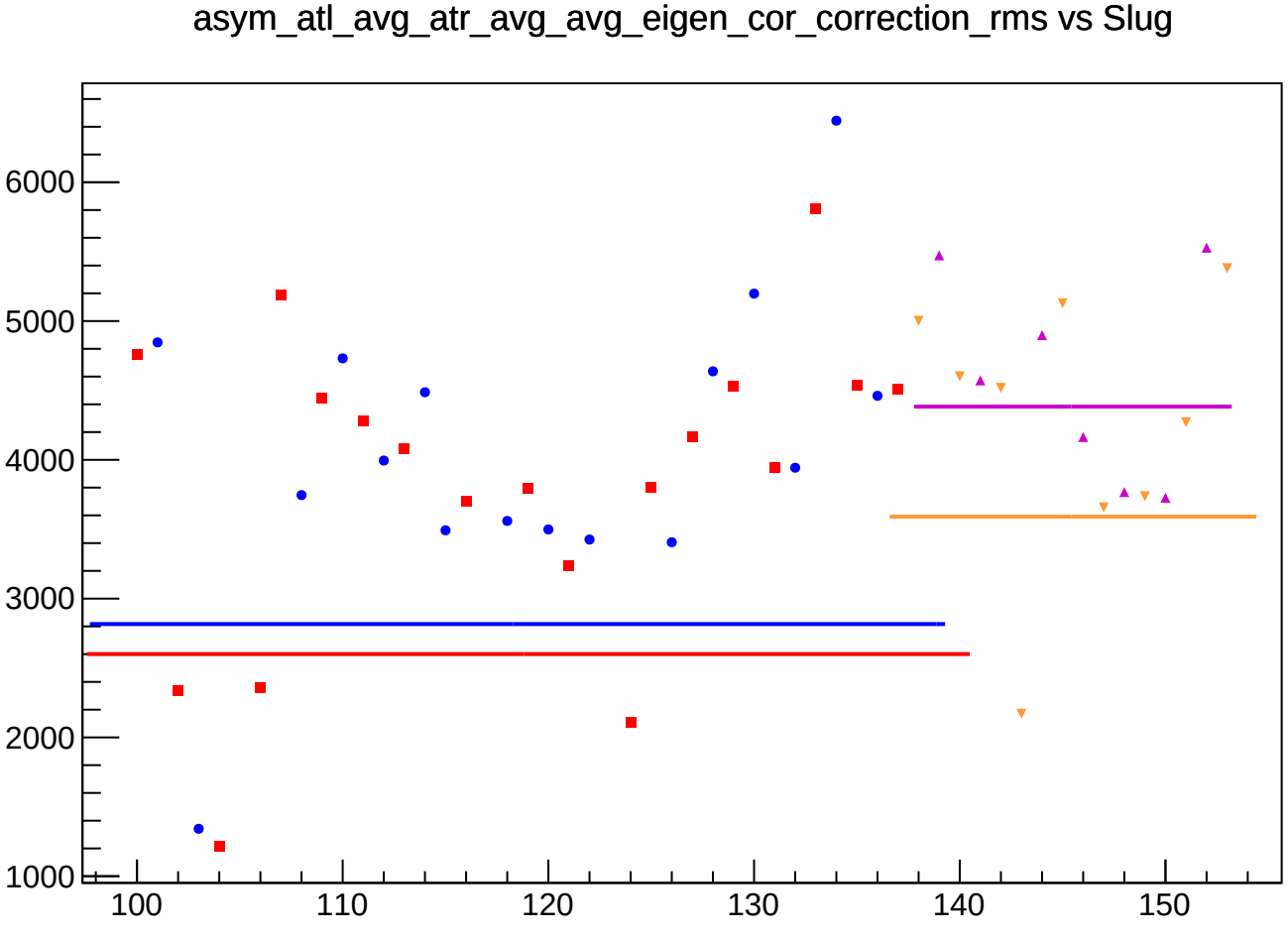
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1138.228+/-1794.676 χ^2/NDF:2.3/6

+ sign 11.853+/-911.261 χ^2/NDF: 25.5/24

All: -131.908+/-653.181 χ^2/NDF: 44.1/50

- sign -283.820+/-936.740 χ^2/NDF: 18.5/25



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3590.469+/-1.011 χ^2/NDF:1304694.6/8

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

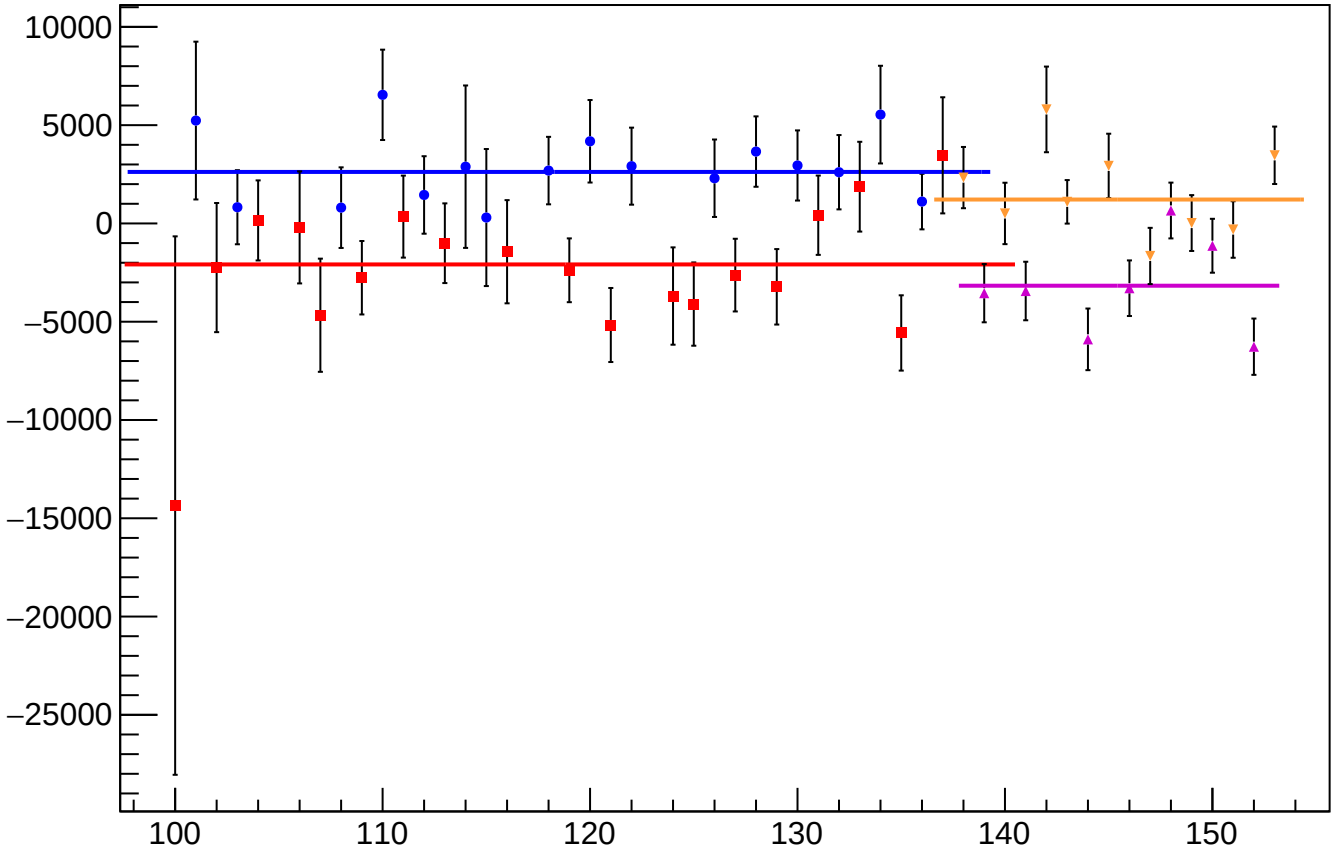
Left In: 4383.468+/-1.269 χ^2/NDF:268735.0/6

+ sign 3130.956+/-0.644 χ^2/NDF: 4659968.6/24

All: 3109.227+/-0.462 χ^2/NDF: 9447976.6/50

- sign 3086.265+/-0.662 χ^2/NDF: 4785669.0/25

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1216.229+/-490.392 χ^2/NDF:14.5/8

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

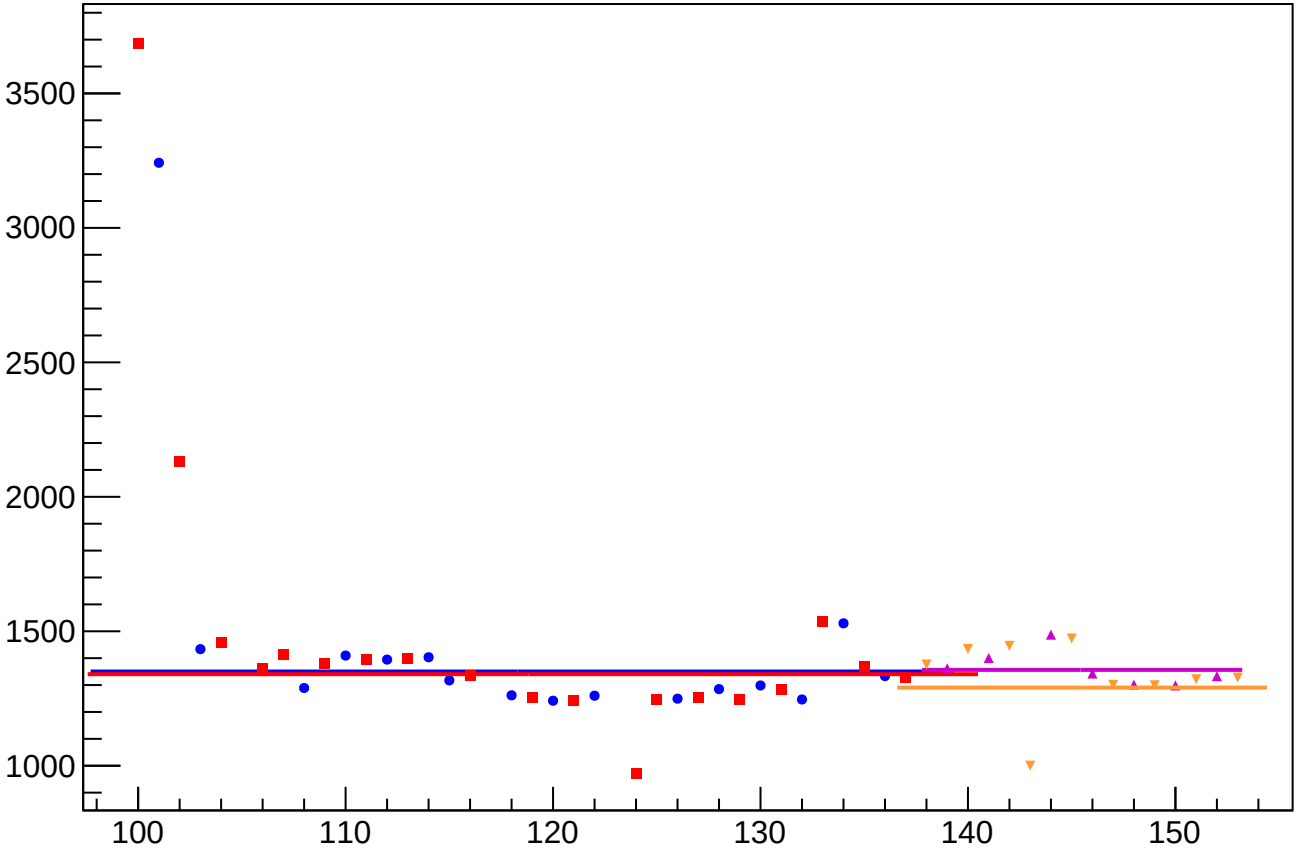
Left In: -3168.252+/-548.102 χ^2/NDF:17.3/6

+ sign 1888.794+/-353.990 χ^2/NDF: 27.7/24

All: -239.969+/-256.224 χ^2/NDF: 144.0/50

- sign -2582.557+/-371.343 χ^2/NDF: 40.4/25

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1290.538+/-0.347 χ^2/NDF:197863.9/8

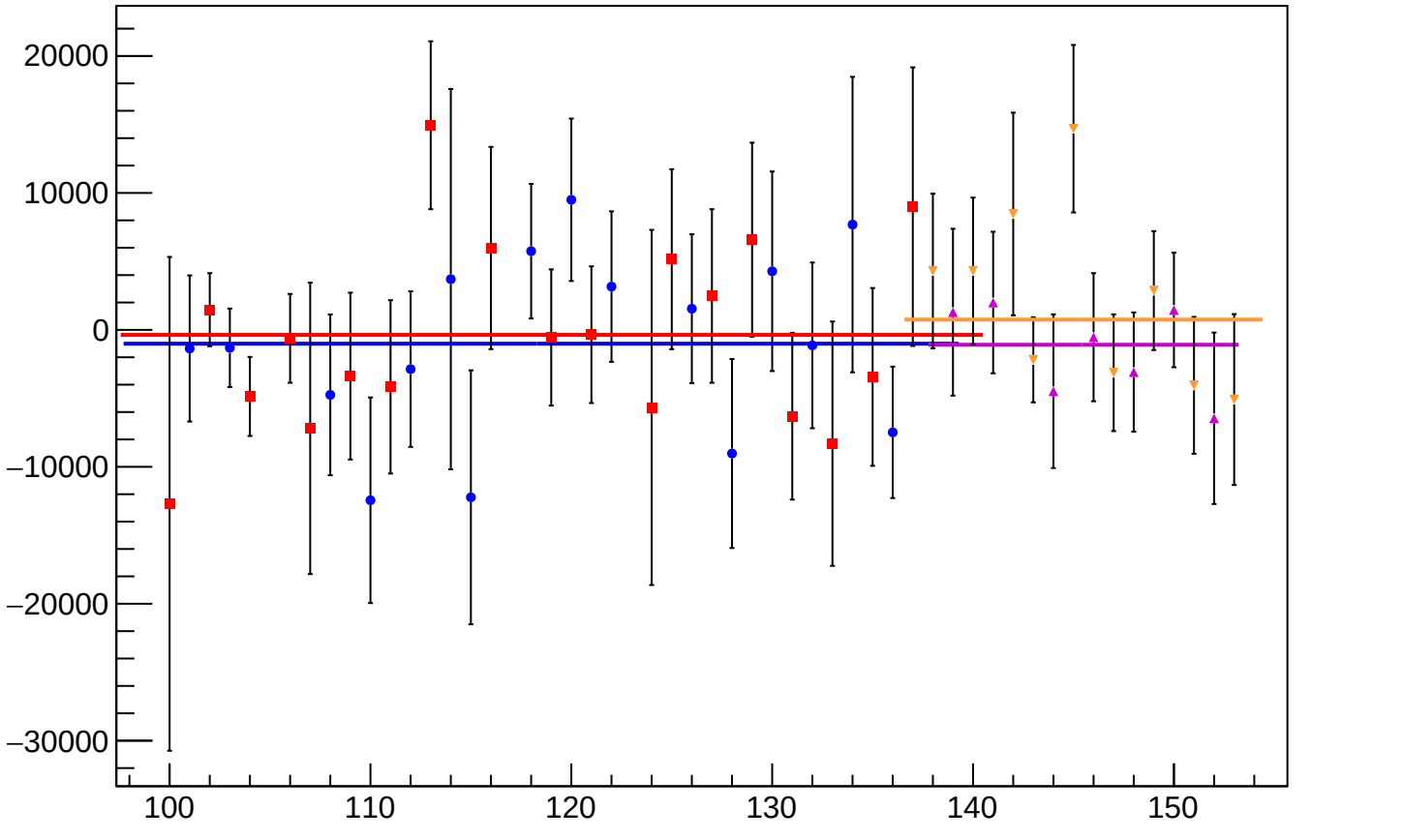
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1356.451+/-0.388 χ^2/NDF:22987.7/6

+ sign 1319.193+/-0.250 χ^2/NDF: 706173.5/24

All: 1332.807+/-0.181 χ^2/NDF: 1008481.3/50

- sign 1347.778+/-0.262 χ^2/NDF: 296096.4/25



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 752.715+/-1604.114 χ^2/NDF:10.9/8

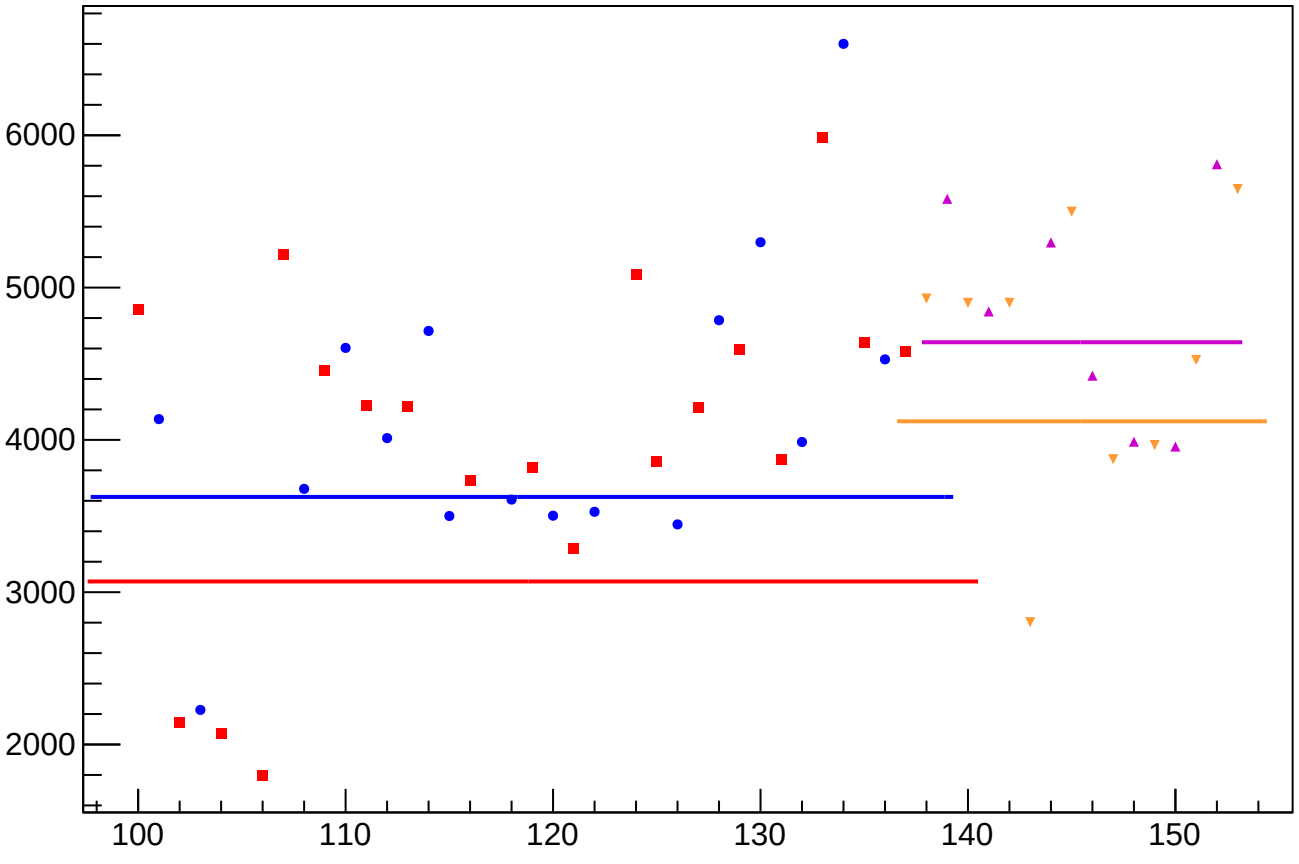
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -1085.611+/-1899.017 χ^2/NDF:2.2/6

+ sign -243.269+/-1056.682 χ^2/NDF: 26.2/24

All: -413.513+/-732.360 χ^2/NDF: 44.7/50

- sign -570.883+/-1015.945 χ^2/NDF: 18.5/25



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4122.082+/-1.134 χ^2/NDF:708617.7/8

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

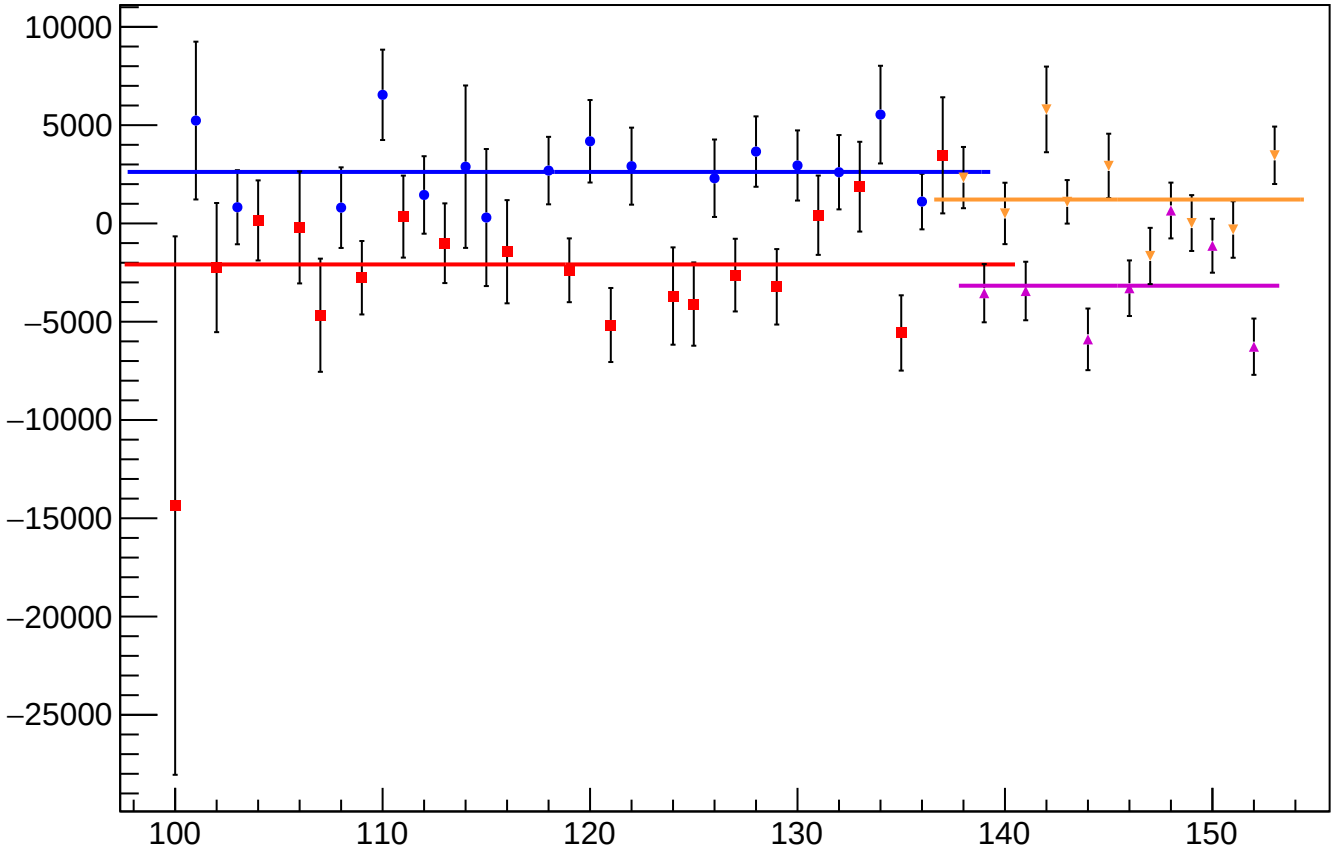
Left In: 4641.157+/-1.343 χ^2/NDF:250897.8/6

+ sign 3840.988+/-0.747 χ^2/NDF: 1762013.8/24

All: 3674.184+/-0.518 χ^2/NDF: 4924124.1/50

- sign 3519.994+/-0.718 χ^2/NDF: 3066204.7/25

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1216.229+/-490.392 χ^2/NDF:14.5/8

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

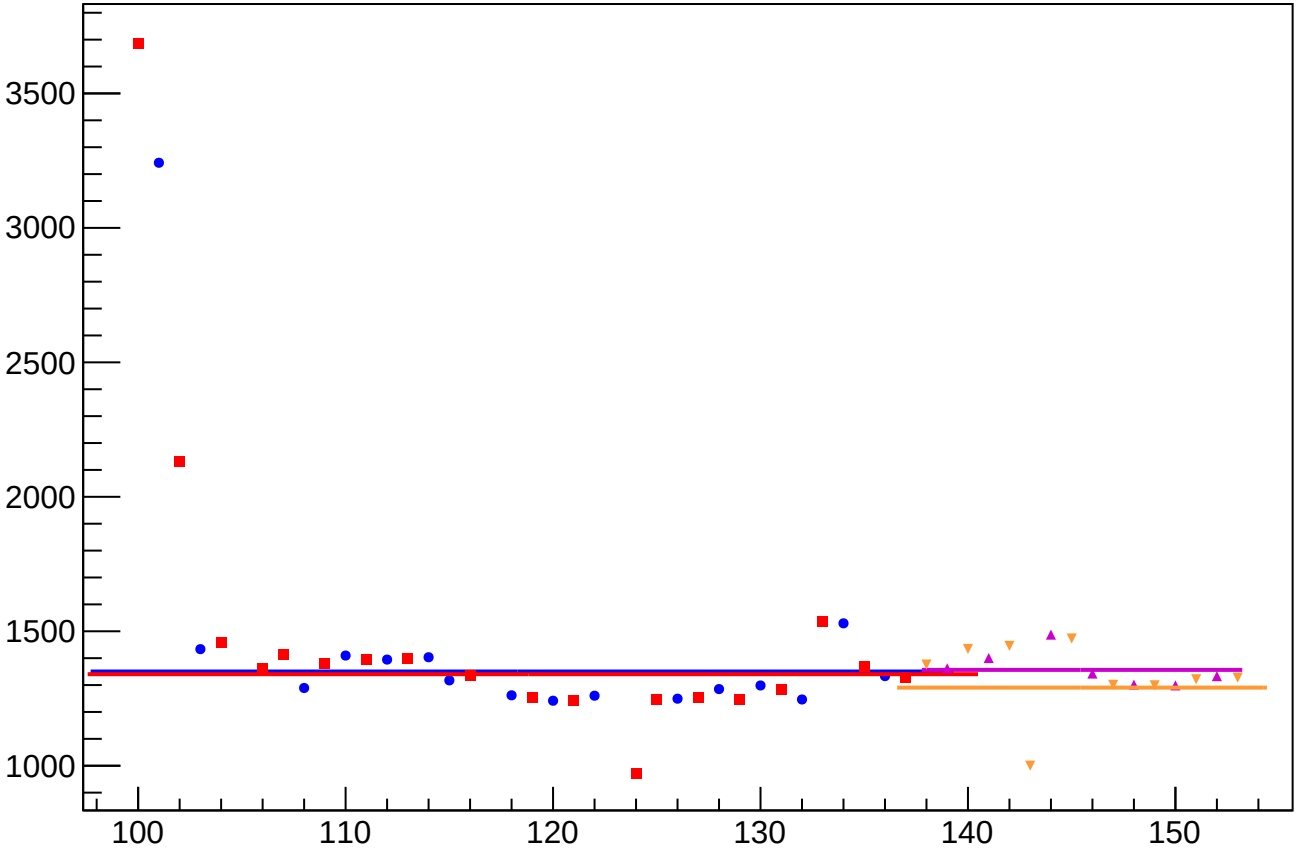
Left In: -3168.250+/-548.103 χ^2/NDF:17.3/6

+ sign 1888.795+/-353.990 χ^2/NDF: 27.7/24

All: -239.968+/-256.224 χ^2/NDF: 144.0/50

- sign -2582.556+/-371.343 χ^2/NDF: 40.4/25

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1290.539+/-0.347 χ^2/NDF:197864.0/8

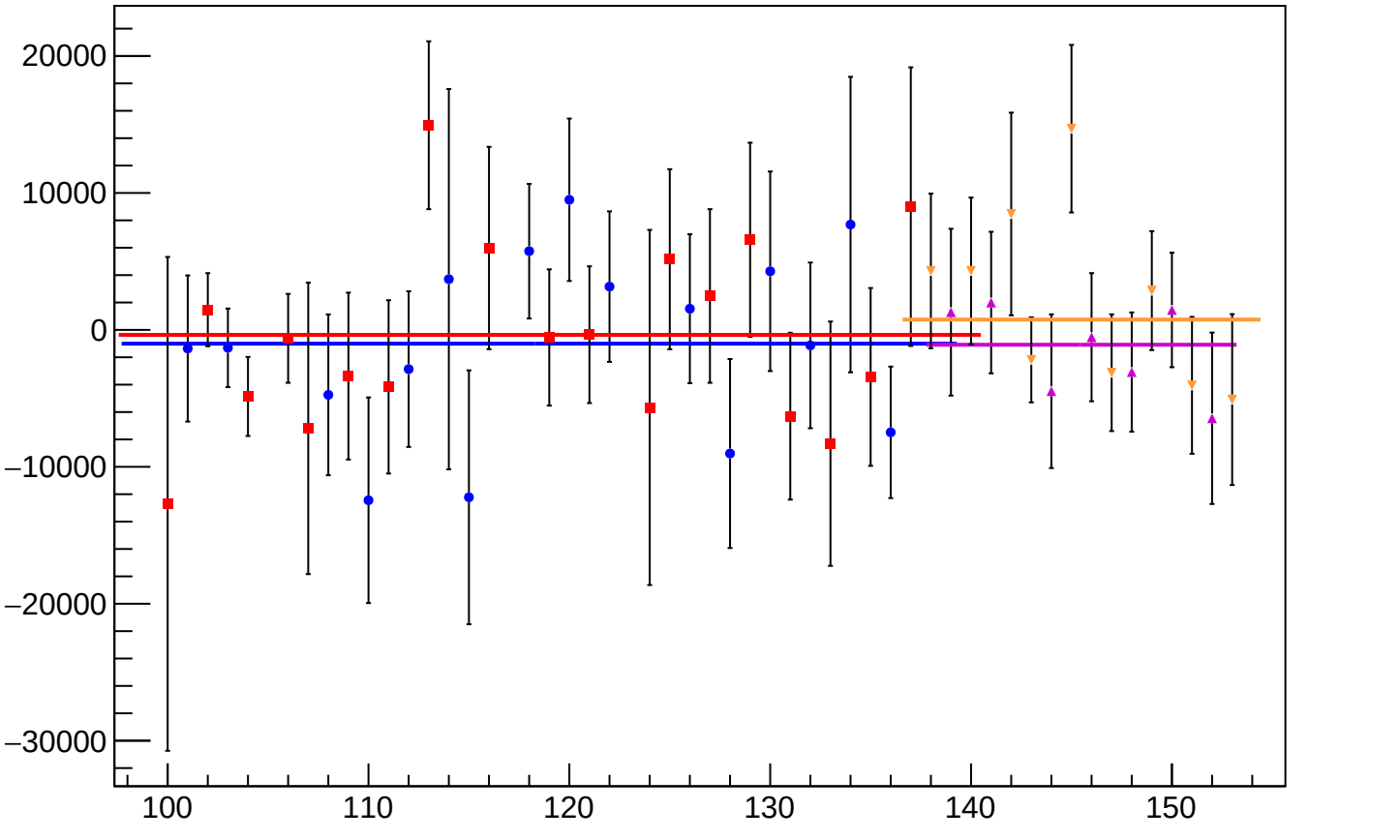
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1356.453+/-0.388 χ^2/NDF:22988.0/6

+ sign 1319.193+/-0.250 χ^2/NDF: 706173.2/24

All: 1332.807+/-0.181 χ^2/NDF: 1008480.4/50

- sign 1347.779+/-0.262 χ^2/NDF: 296095.9/25



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 752.712+/-1604.116 χ^2/NDF:10.9/8

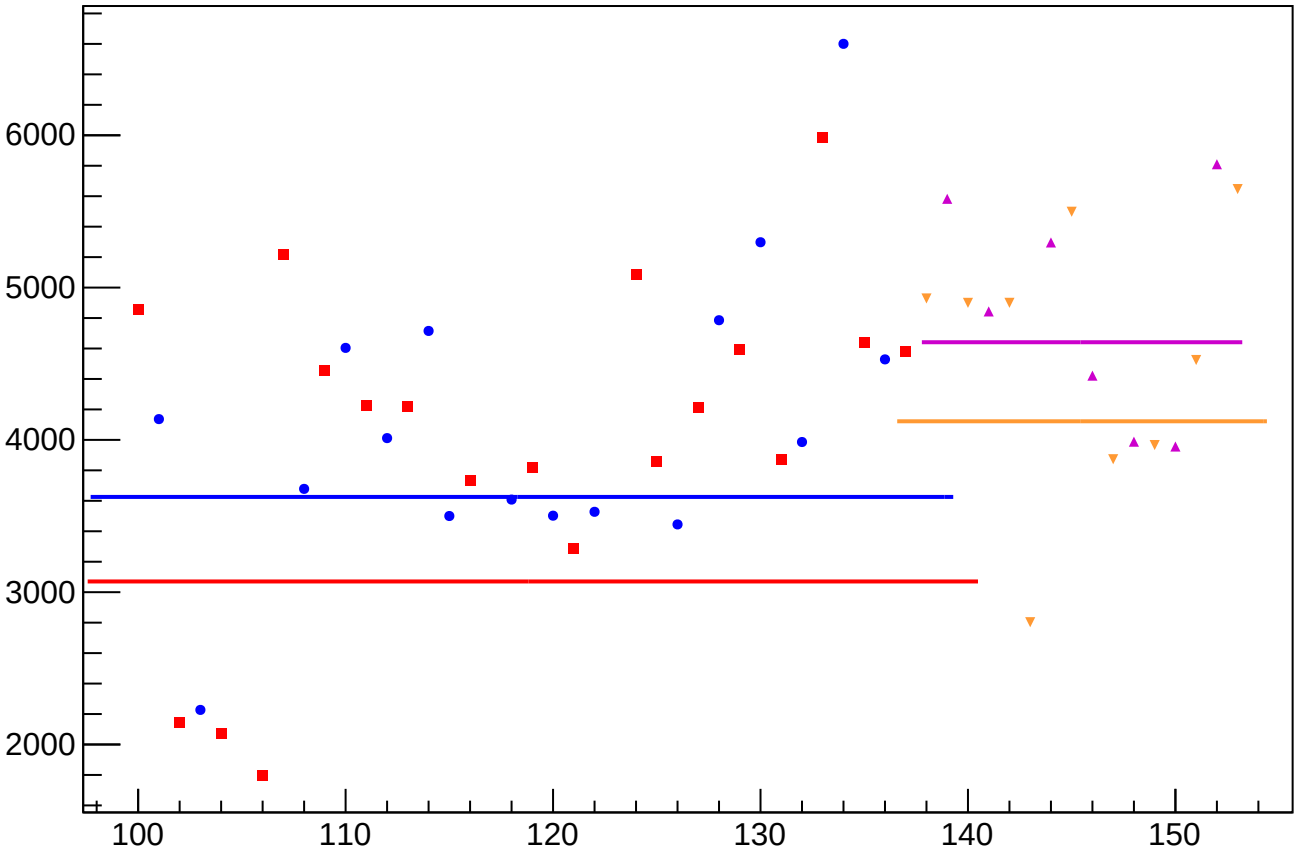
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -1085.610+/-1899.020 χ^2/NDF:2.2/6

+ sign -243.268+/-1056.681 χ^2/NDF: 26.2/24

All: -413.512+/-732.359 χ^2/NDF: 44.7/50

- sign -570.883+/-1015.943 χ^2/NDF: 18.5/25



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4122.088+/-1.134 χ^2/NDF:708617.5/8

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

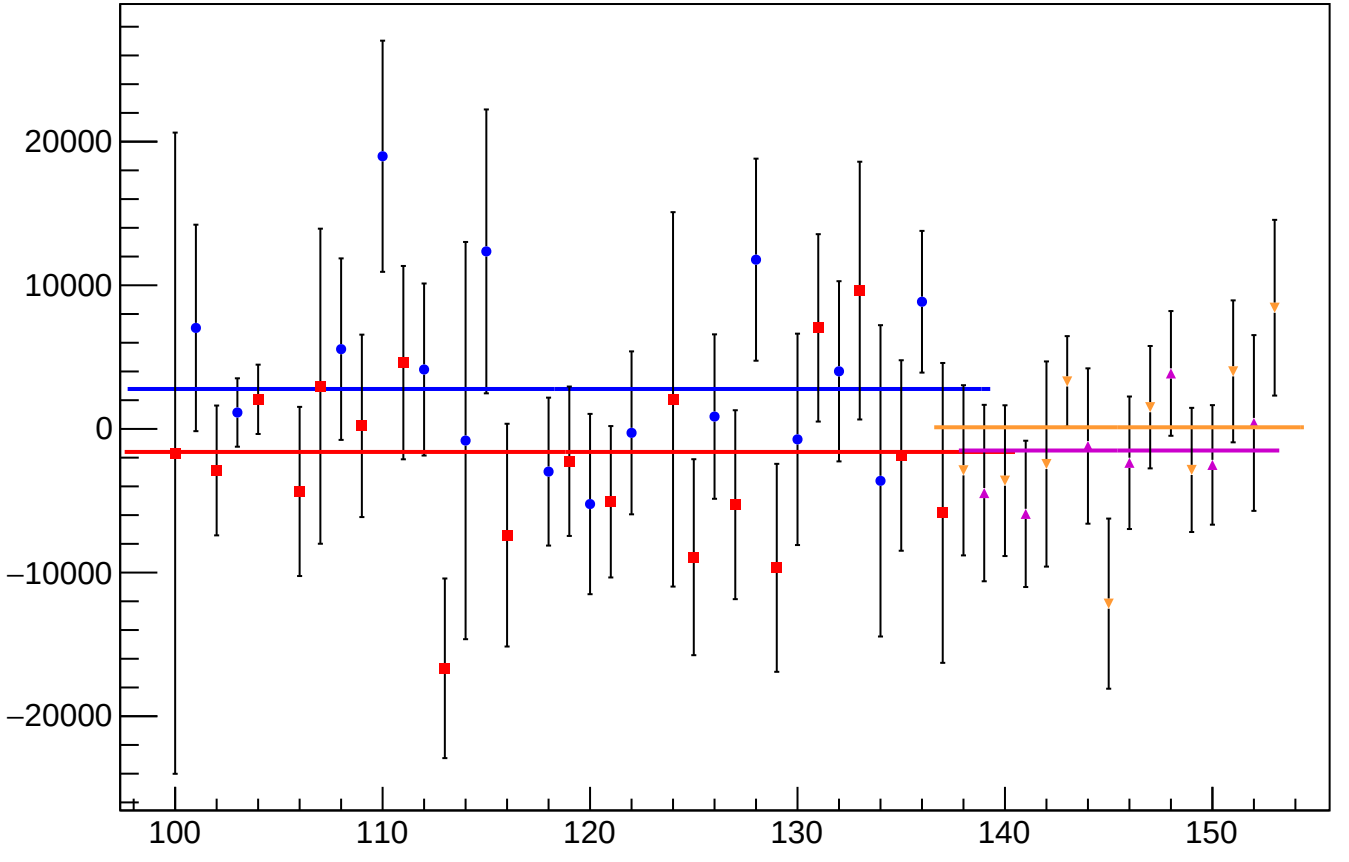
Left In: 4641.162+/-1.343 χ^2/NDF:250898.5/6

+ sign 3840.985+/-0.747 χ^2/NDF: 1762022.4/24

All: 3674.179+/-0.518 χ^2/NDF: 4924156.2/50

- sign 3519.987+/-0.718 χ^2/NDF: 3066225.8/25

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 114.795+/-1601.879 χ^2/NDF:9.3/8

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

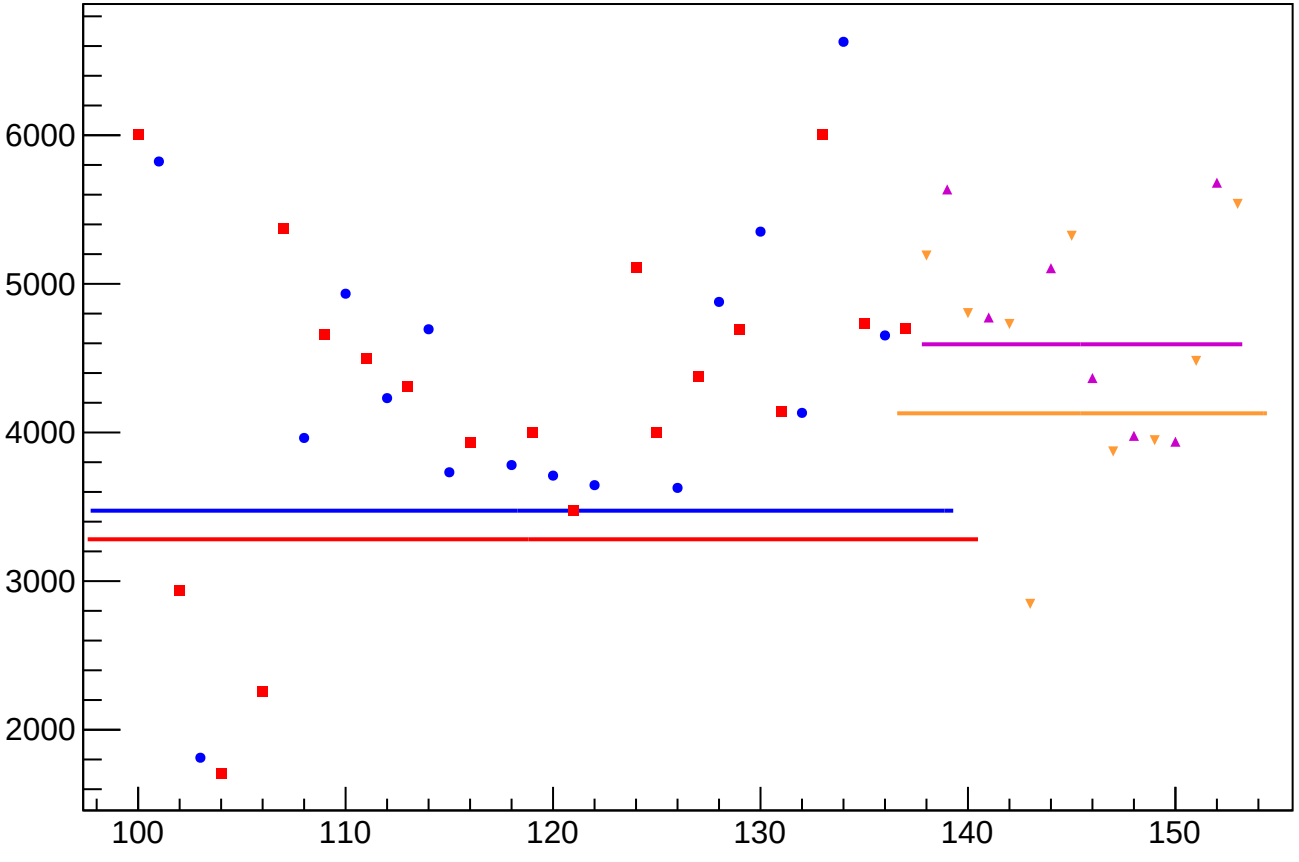
Left In: -1502.499+/-1877.178 χ^2/NDF:2.7/6

+ sign 1636.229+/-1049.613 χ^2/NDF: 24.0/24

All: 92.696+/-755.737 χ^2/NDF: 48.0/50

- sign -1568.927+/-1089.024 χ^2/NDF: 19.5/25

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4129.002+/-1.133 χ^2/NDF:650090.0/8

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

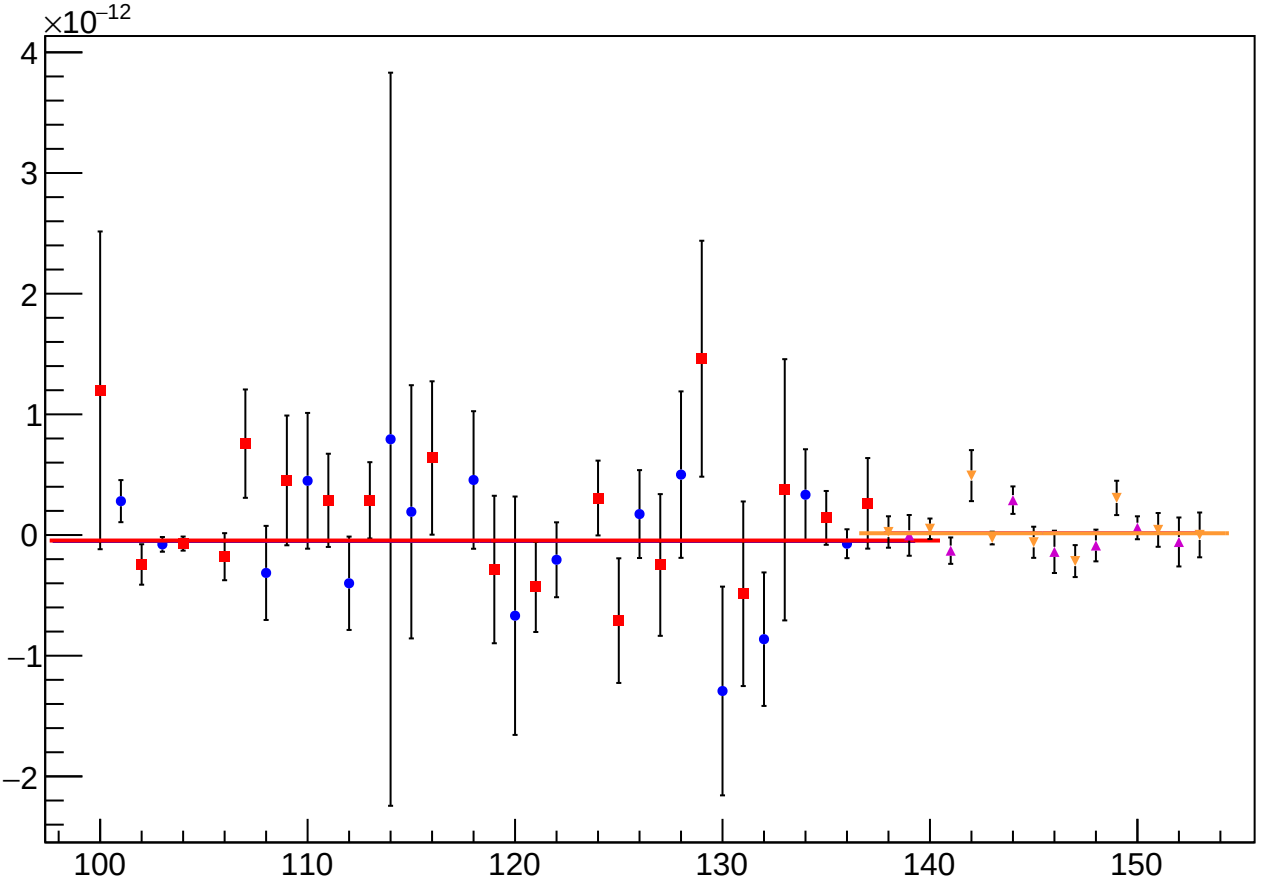
Left In: 4593.370+/-1.327 χ^2/NDF:235845.9/6

+ sign 3755.156+/-0.742 χ^2/NDF: 2684940.0/24

All: 3735.627+/-0.532 χ^2/NDF: 5451740.7/50

- sign 3714.985+/-0.763 χ^2/NDF: 2765376.5/25

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/8

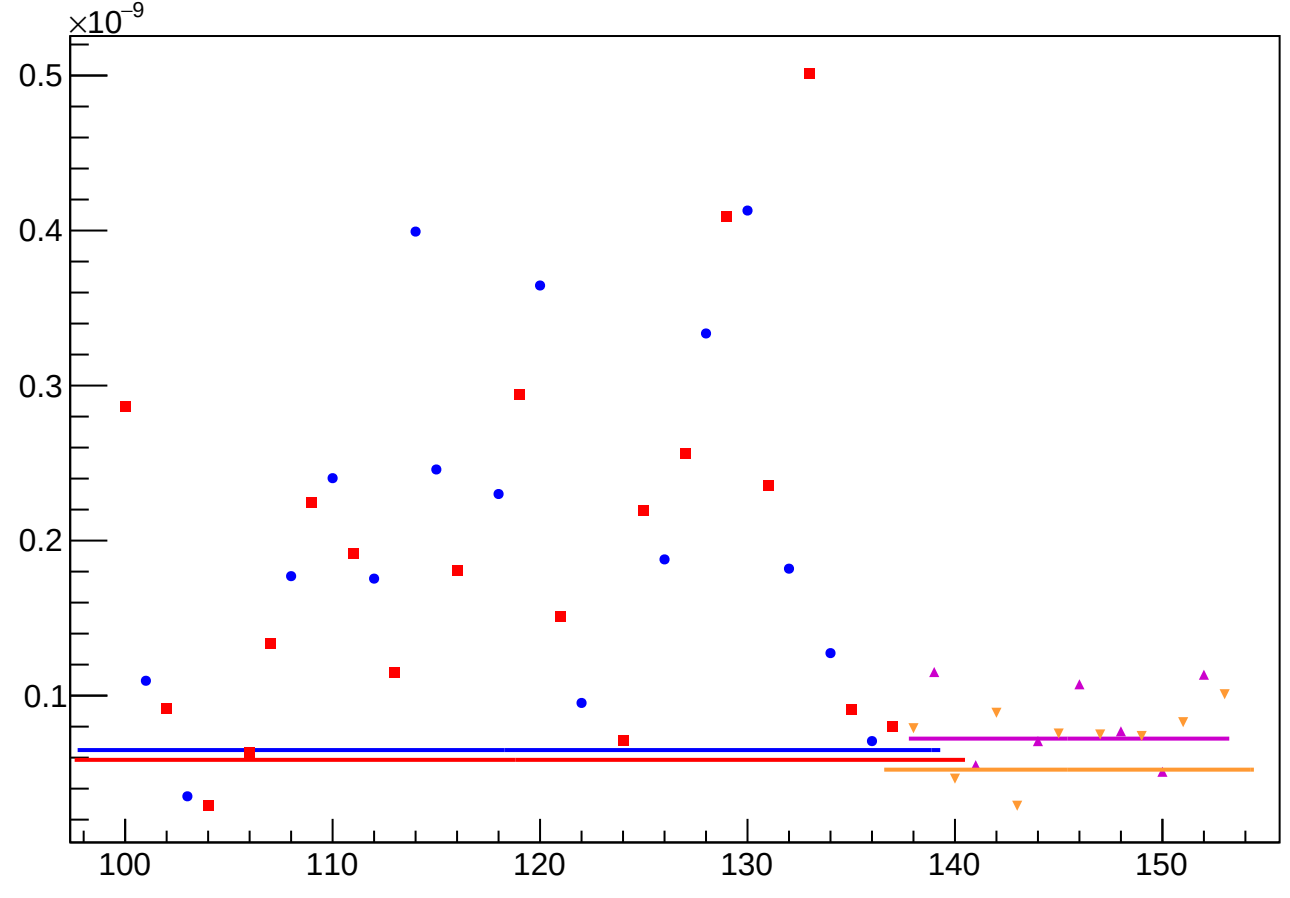
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 28.4/24

All: -0.000+/-0.000 χ^2/NDF: 57.1/50

- sign -0.000+/-0.000 χ^2/NDF: 28.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:945200.3/8

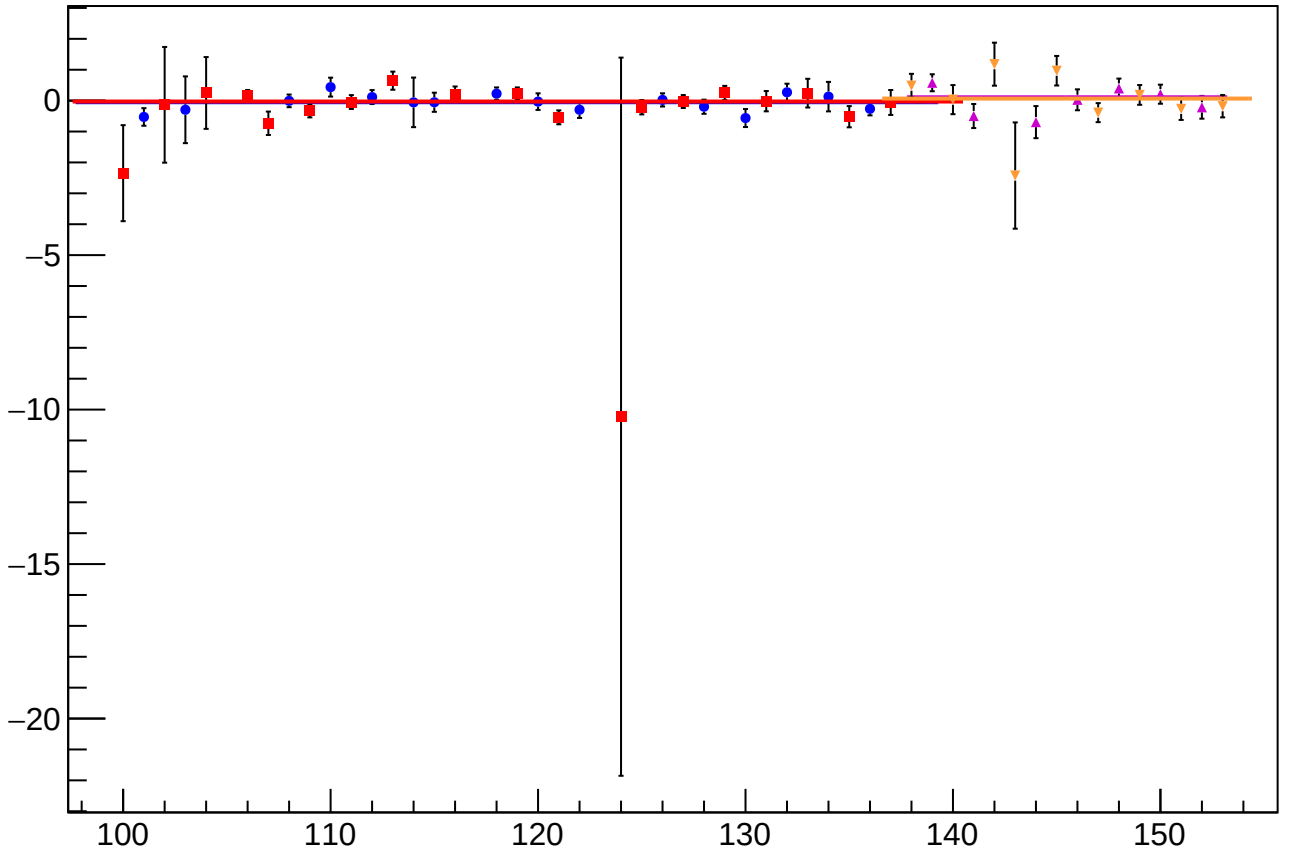
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:445101.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 3627635.4/24

All: 0.000+/-0.000 χ^2/NDF: 7086161.4/50

- sign 0.000+/-0.000 χ^2/NDF: 3381148.7/25



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.067+/-0.136 χ^2/NDF:13.1/8

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

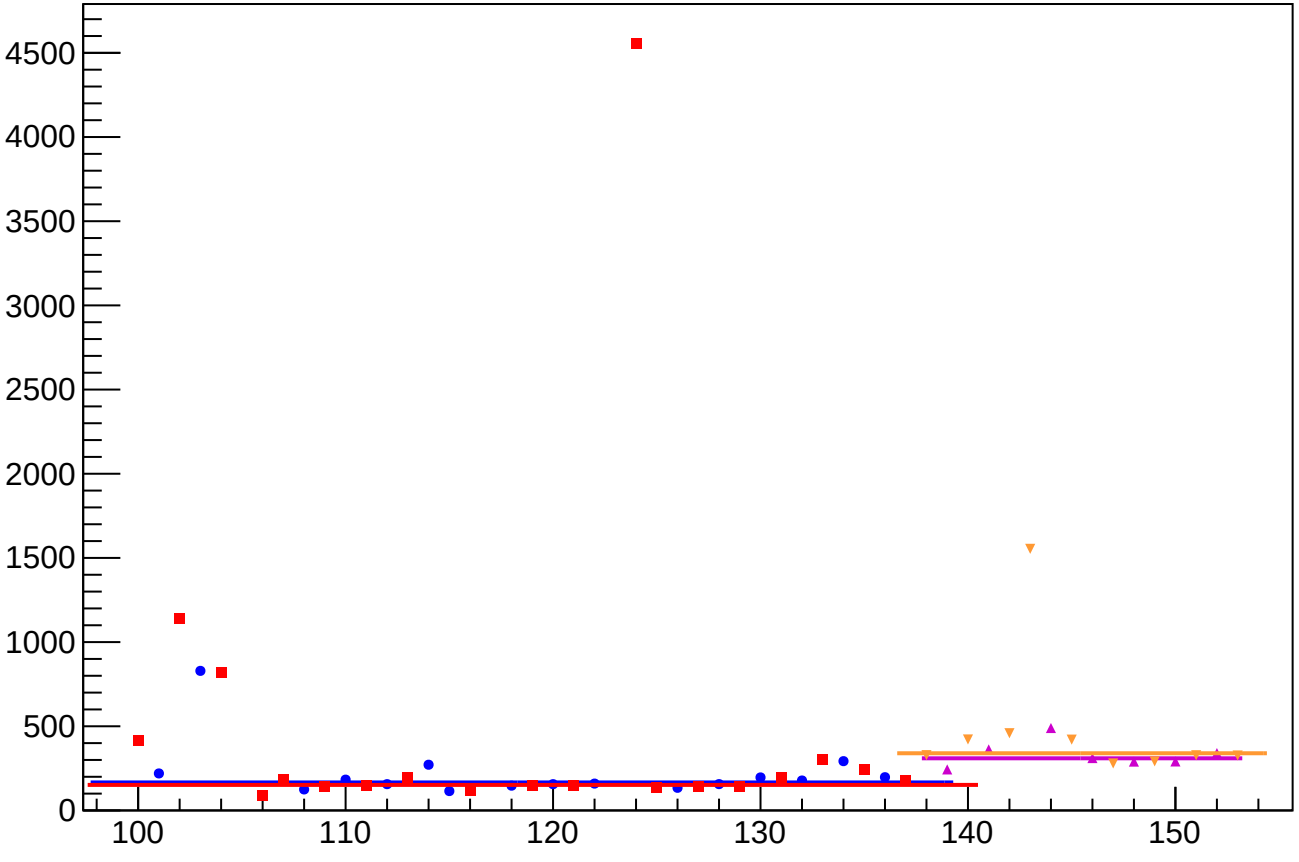
Left In: 0.109+/-0.129 χ^2/NDF:9.5/6

+ sign -0.028+/-0.060 χ^2/NDF: 28.5/24

All: -0.015+/-0.041 χ^2/NDF: 66.6/50

- sign -0.002+/-0.057 χ^2/NDF: 37.9/25

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 339.742+/-0.096 χ^2/NDF:1302077.8/8

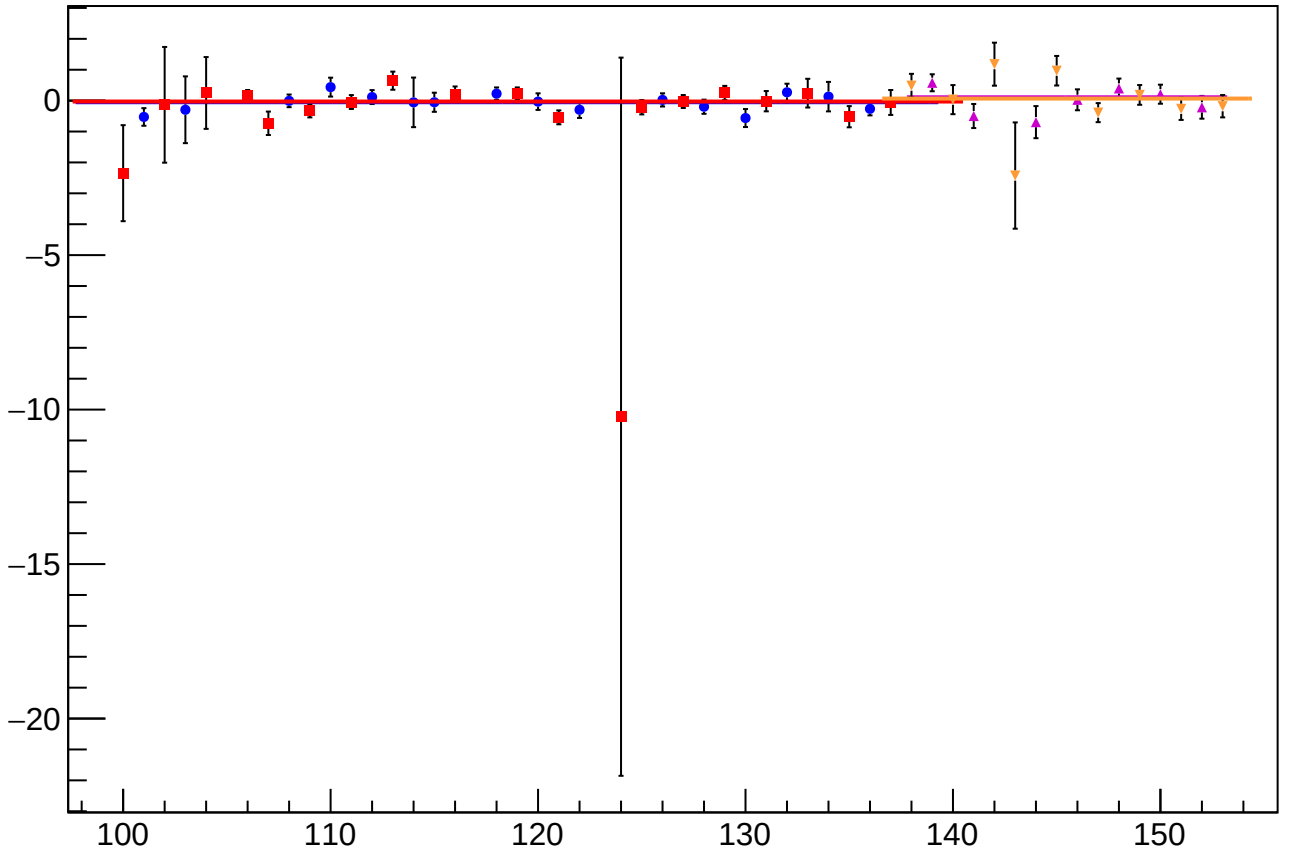
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 309.748+/-0.091 χ^2/NDF:421098.9/6

+ sign 199.902+/-0.042 χ^2/NDF: 5197039.6/24

All: 191.065+/-0.029 χ^2/NDF: 10420174.8/5

- sign 182.970+/-0.041 χ^2/NDF: 5139805.2/25



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.067+/-0.136 χ^2/NDF:13.1/8

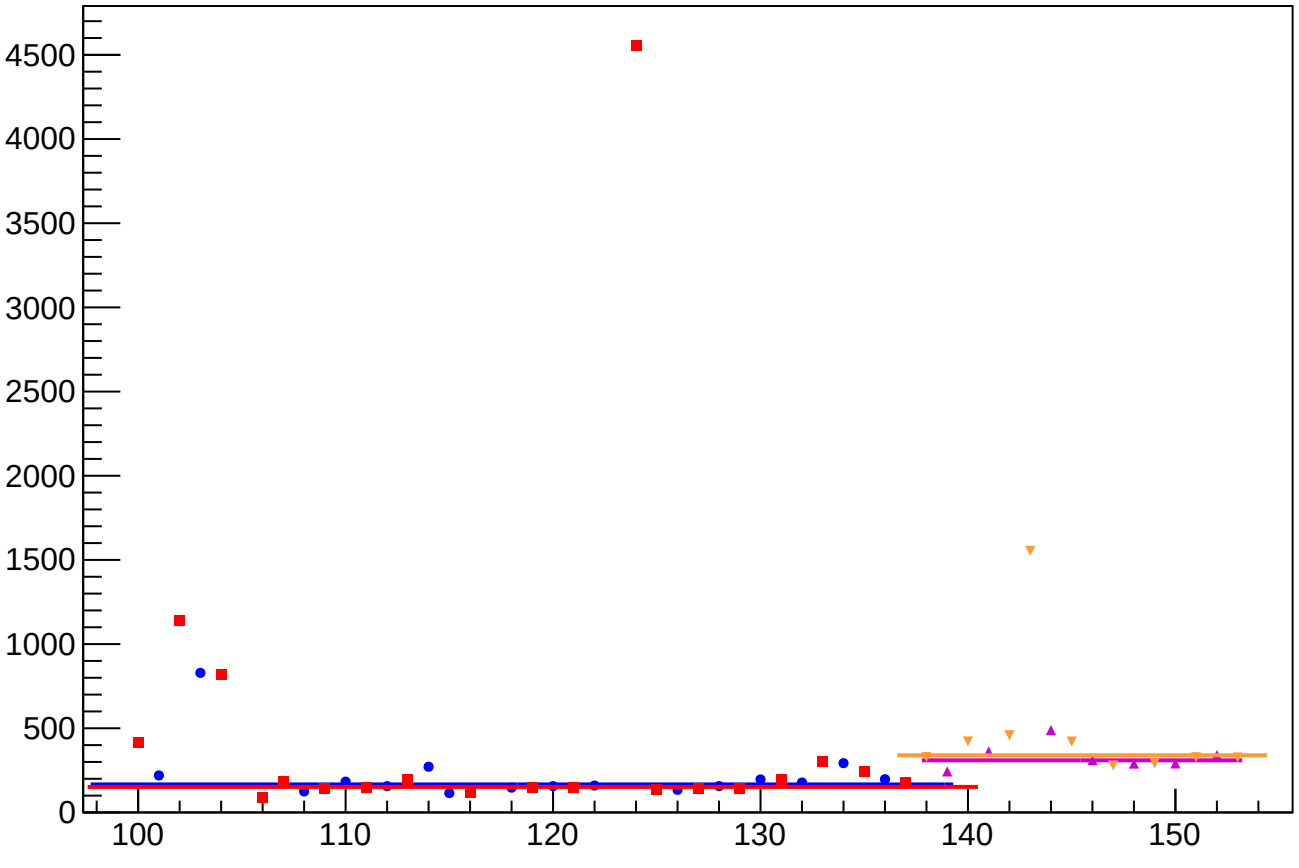
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.109+/-0.129 χ^2/NDF:9.5/6

\+ sign -0.028+/-0.060 χ^2/NDF: 28.5/24

All: -0.015+/-0.041 χ^2/NDF: 66.6/50

\- sign -0.002+/-0.057 χ^2/NDF: 37.9/25



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 339.742+/-0.096 χ^2/NDF:1302077.8/8

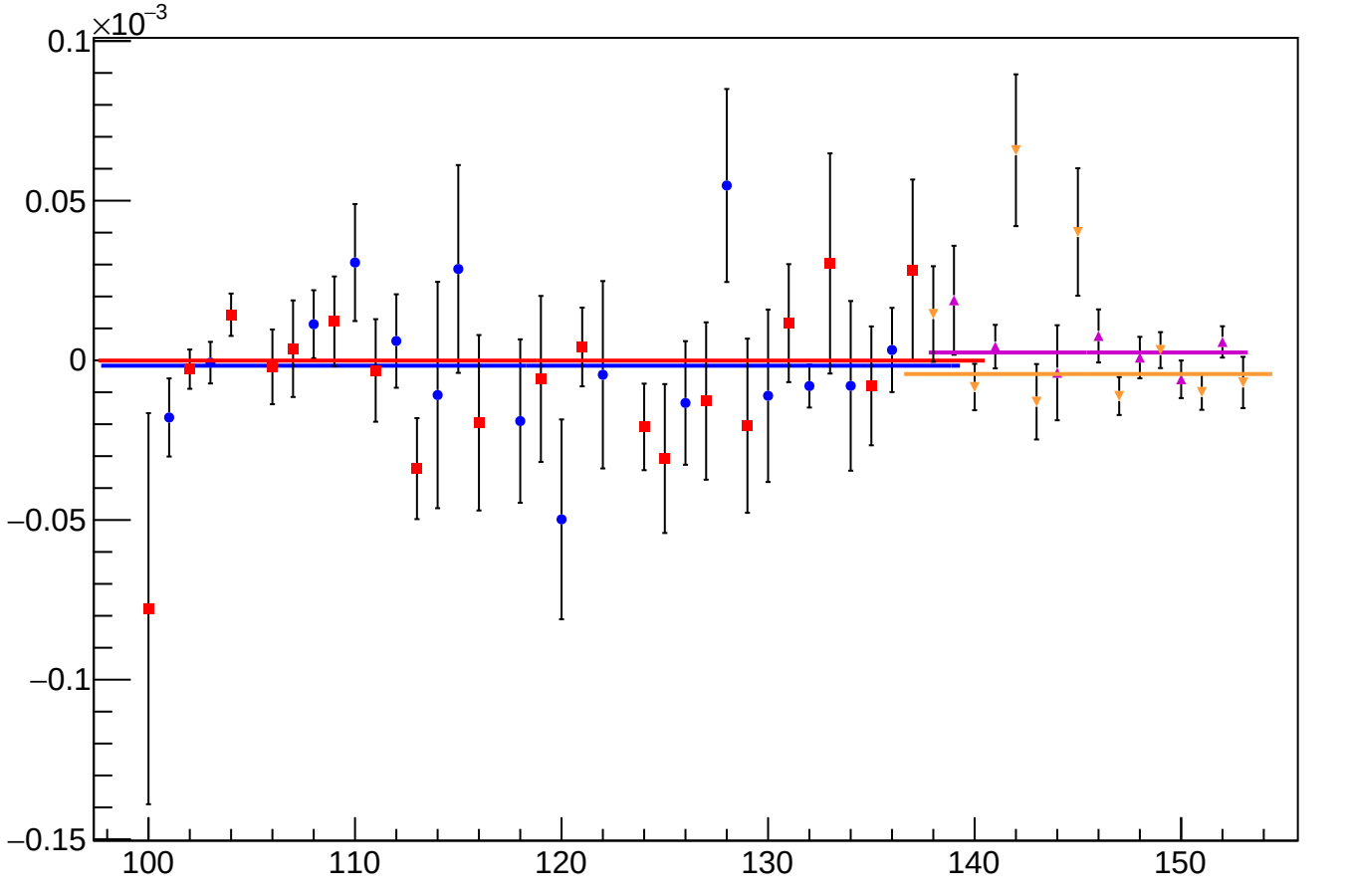
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 309.748+/-0.091 χ^2/NDF:421098.9/6

+ sign 199.902+/-0.042 χ^2/NDF: 5197039.6/24

All: 191.065+/-0.029 χ^2/NDF: 10420174.8/50

- sign 182.970+/-0.041 χ^2/NDF: 5139805.2/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/8

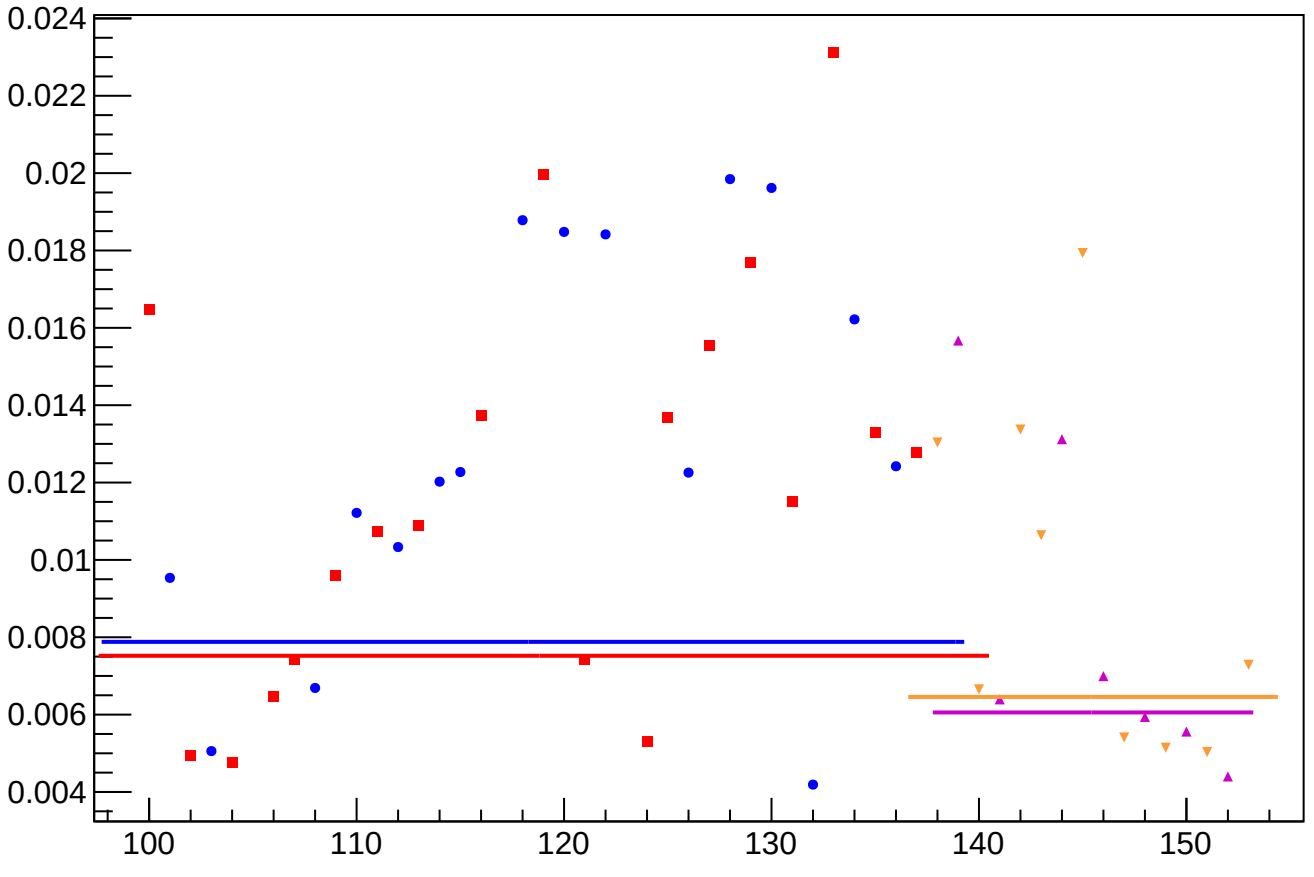
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 36.2/24

All: -0.000+/-0.000 χ^2/NDF: 63.1/50

- sign 0.000+/-0.000 χ^2/NDF: 24.4/25



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:1791795.8/8

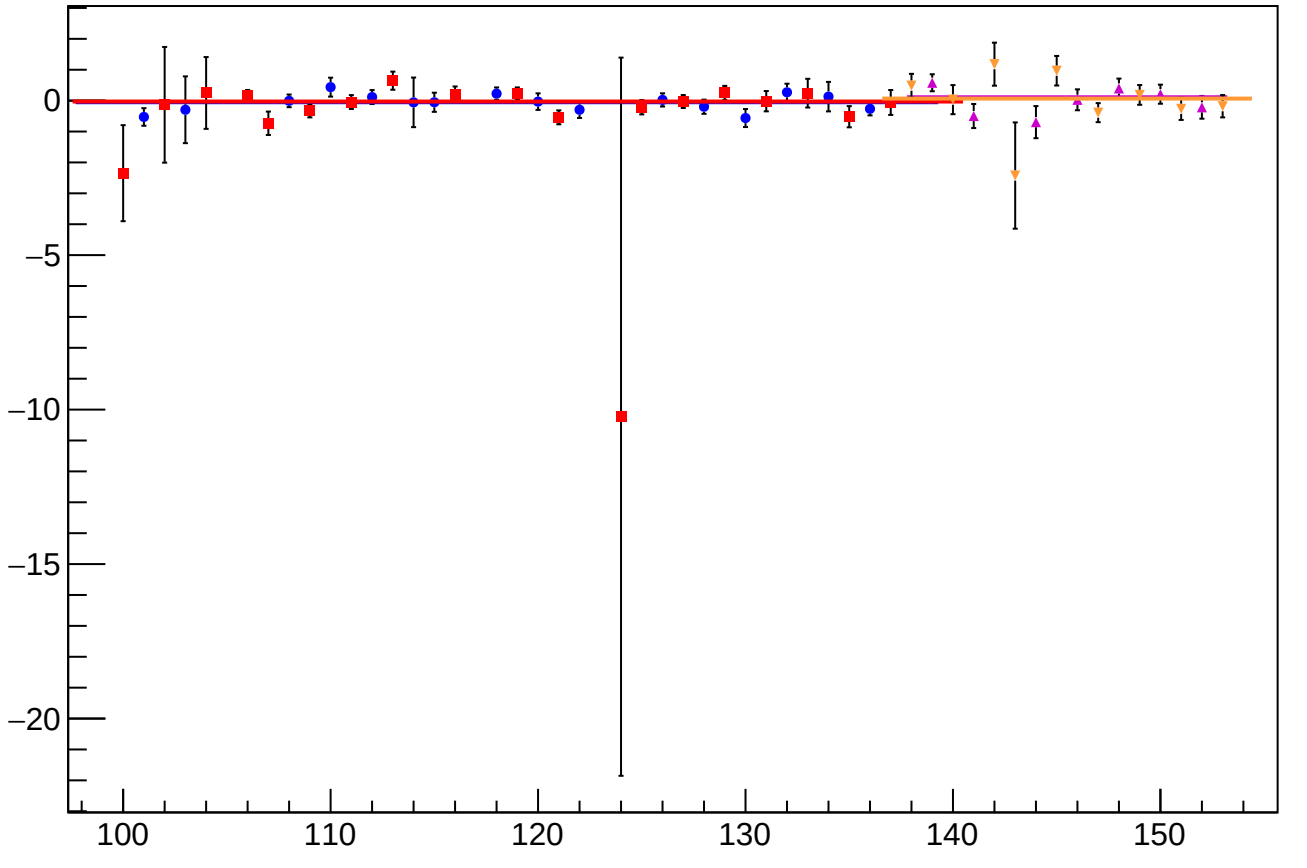
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:1358826.3/6

+ sign 0.007+/-0.000 χ^2/NDF: 5311554.1/24

All: 0.007+/-0.000 χ^2/NDF: 9920875.9/50

- sign 0.007+/-0.000 χ^2/NDF: 4585572.3/25



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.067+/-0.136 χ^2/NDF:13.1/8

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

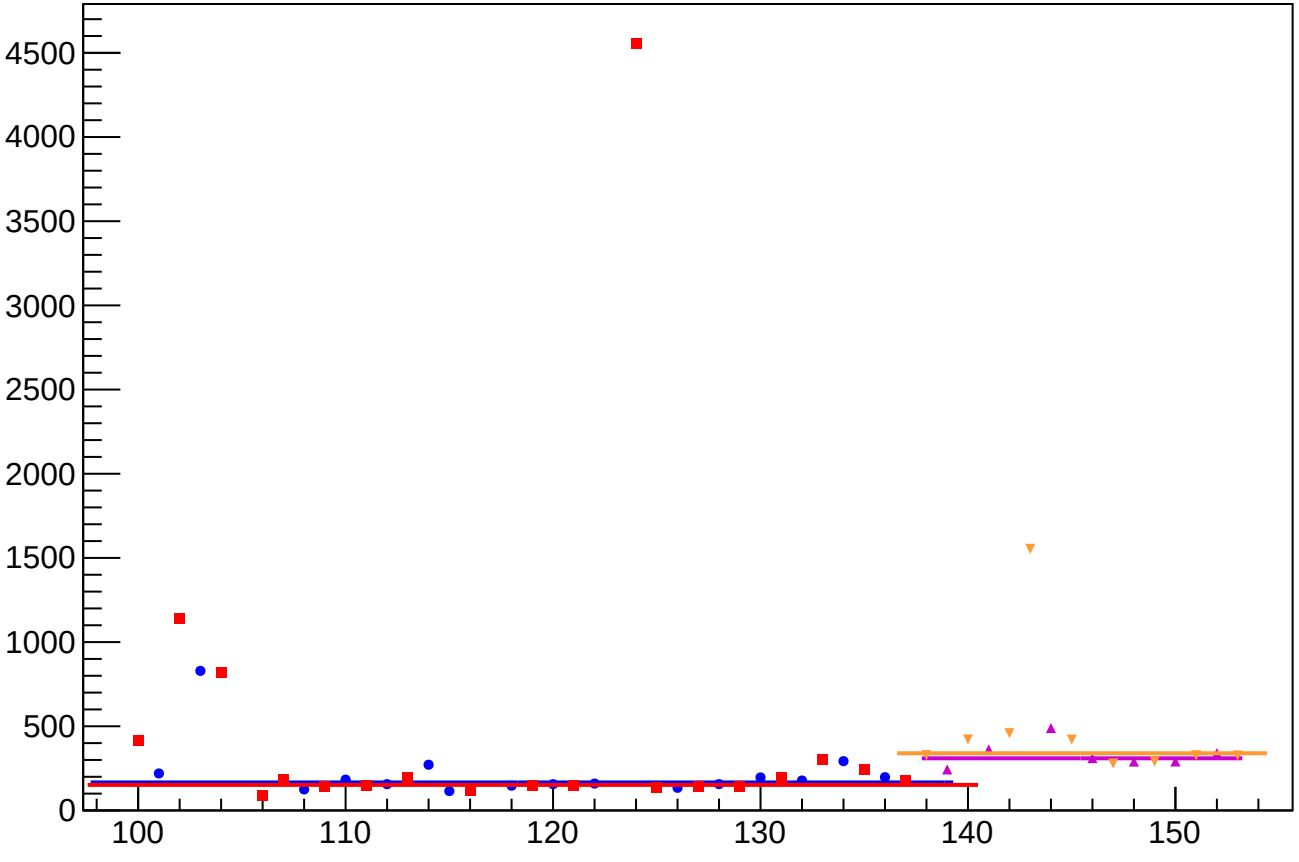
Left In: 0.109+/-0.129 χ^2/NDF:9.5/6

+ sign -0.028+/-0.060 χ^2/NDF: 28.5/24

All: -0.015+/-0.041 χ^2/NDF: 66.6/50

- sign -0.002+/-0.057 χ^2/NDF: 37.9/25

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 339.746+/-0.096 χ^2/NDF:1302075.1/8

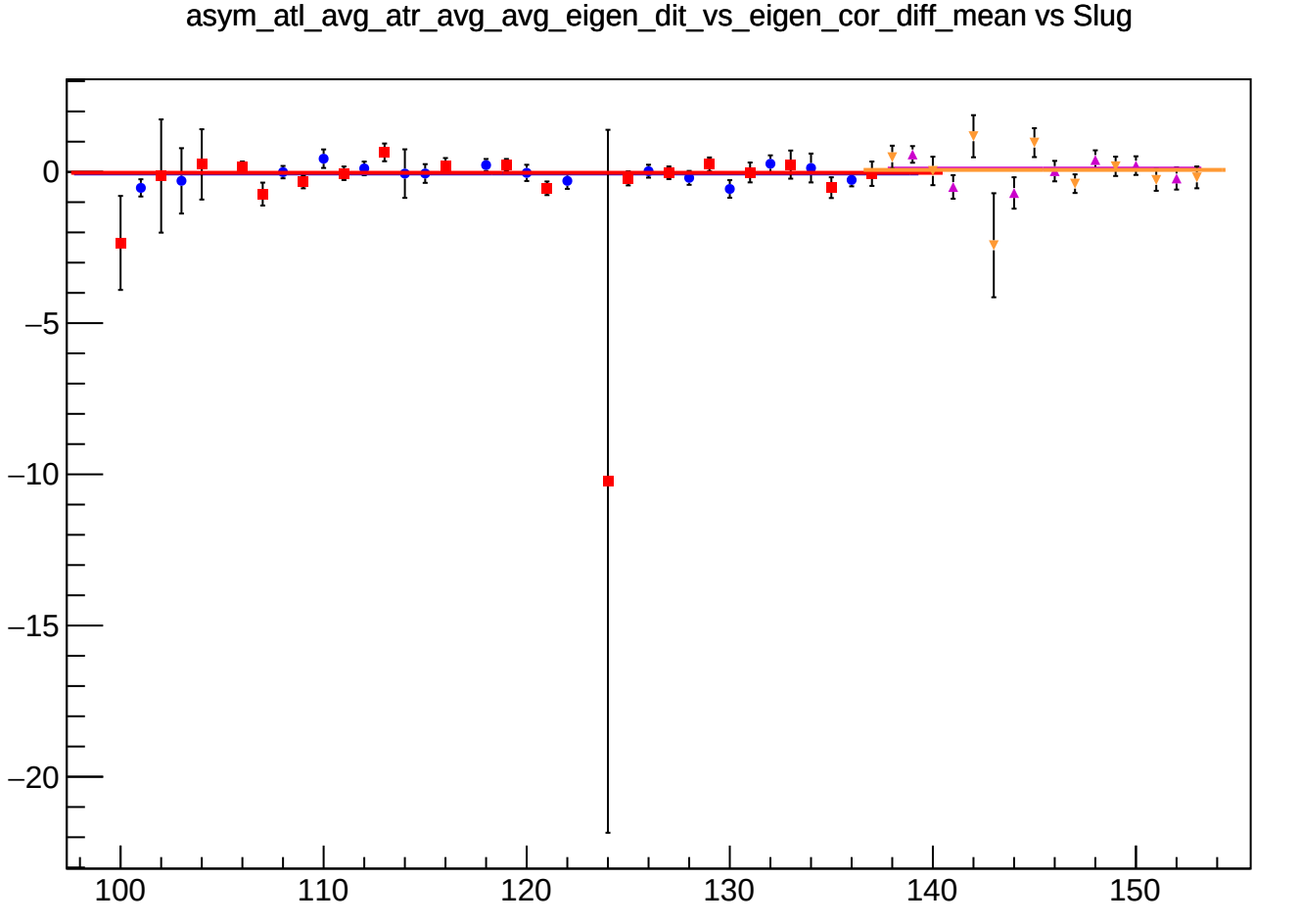
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 309.752+/-0.091 χ^2/NDF:421084.0/6

+ sign 199.902+/-0.042 χ^2/NDF: 5197124.7/24

All: 191.064+/-0.029 χ^2/NDF: 10420380.9/50

- sign 182.969+/-0.041 χ^2/NDF: 5139920.1/25



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.067+/-0.136 χ^2/NDF:13.1/8

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

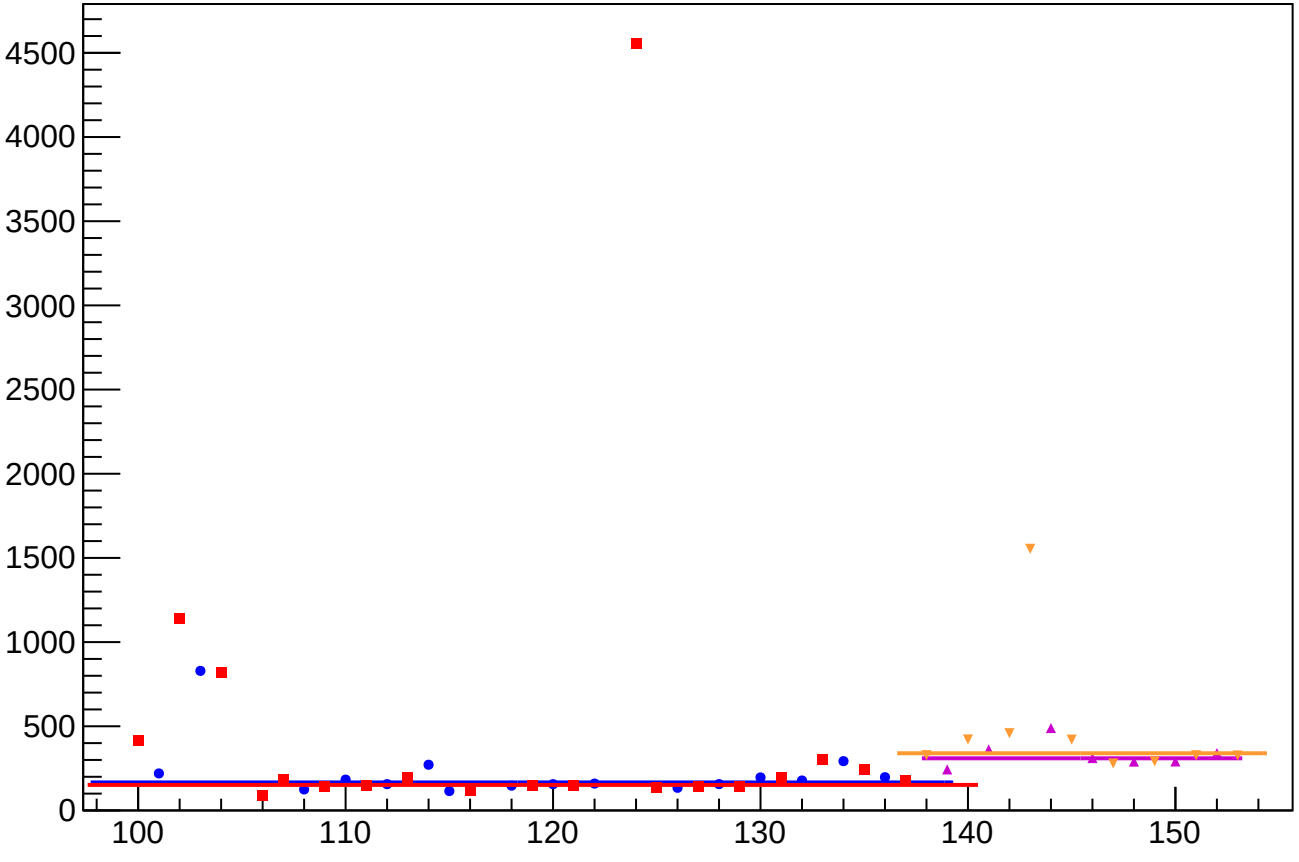
Left In: 0.109+/-0.129 χ^2/NDF:9.5/6

+ sign -0.028+/-0.060 χ^2/NDF: 28.5/24

All: -0.015+/-0.041 χ^2/NDF: 66.6/50

- sign -0.002+/-0.057 χ^2/NDF: 37.9/25

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 339.746+/-0.096 χ^2/NDF:1302075.1/8

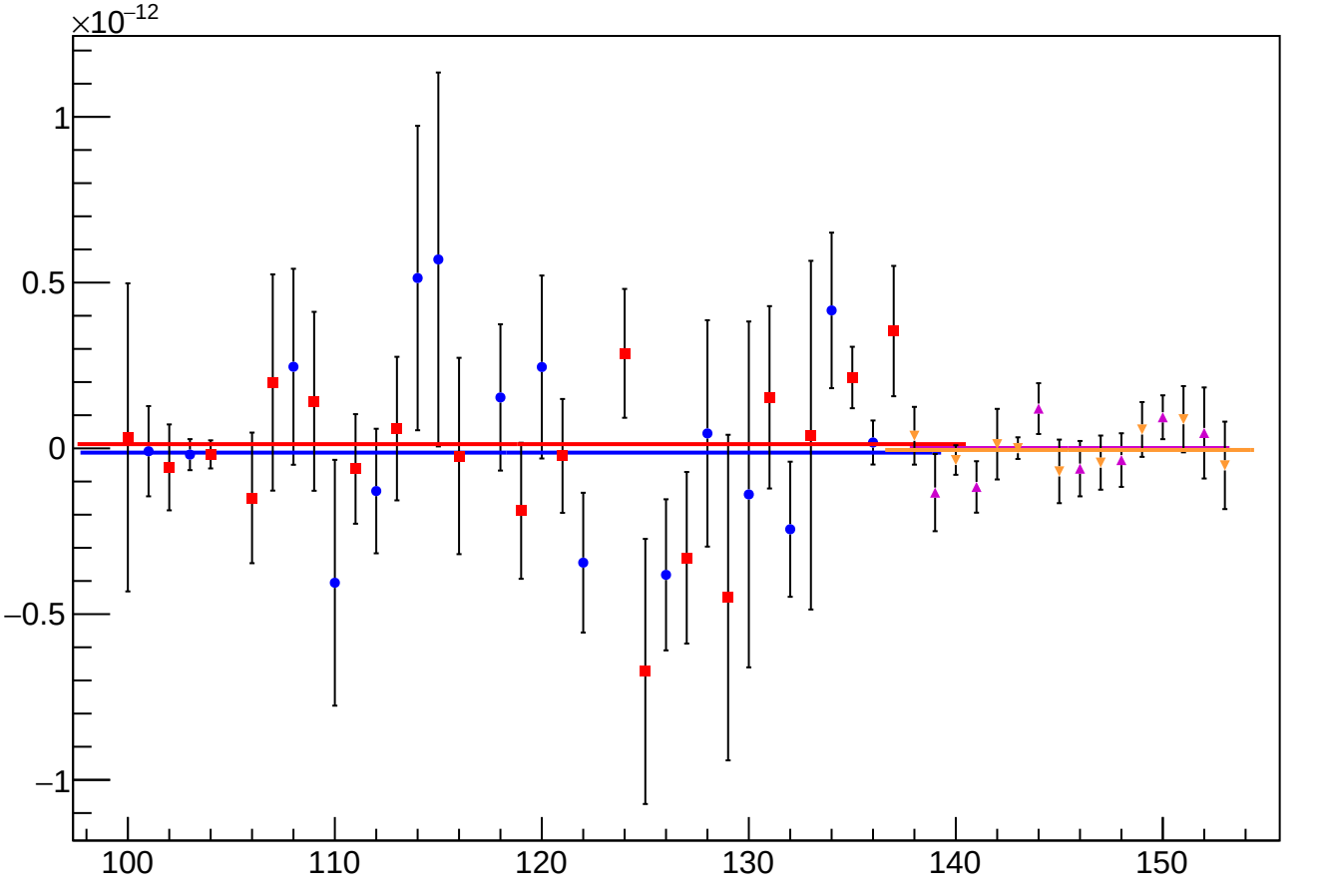
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 309.752+/-0.091 χ^2/NDF:421084.0/6

+ sign 199.902+/-0.042 χ^2/NDF: 5197124.7/24

All: 191.064+/-0.029 χ^2/NDF: 10420380.9/50

- sign 182.969+/-0.041 χ^2/NDF: 5139920.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/8

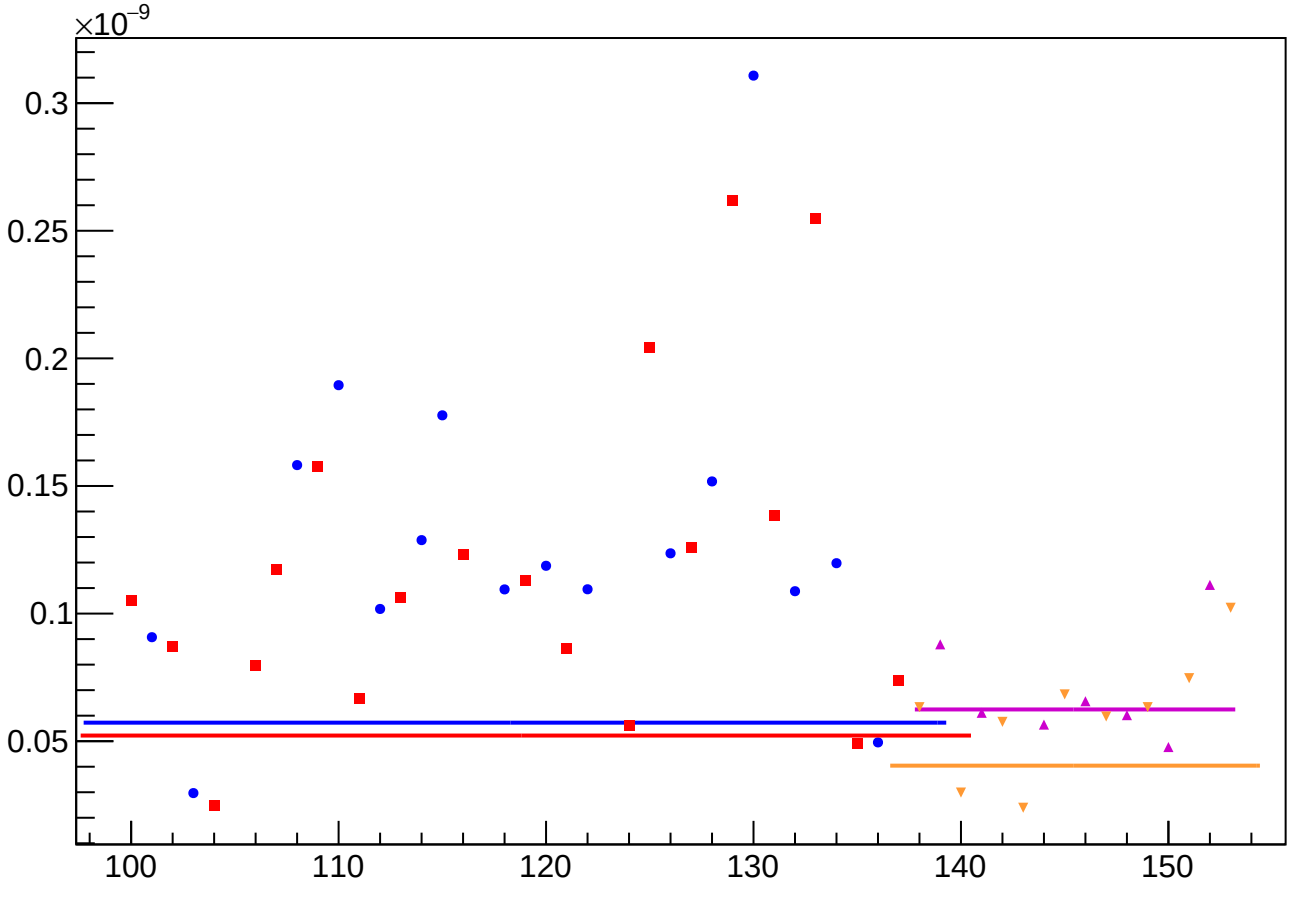
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/24

All: -0.000+/-0.000 χ^2/NDF: 47.2/50

- sign 0.000+/-0.000 χ^2/NDF: 27.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1923552.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

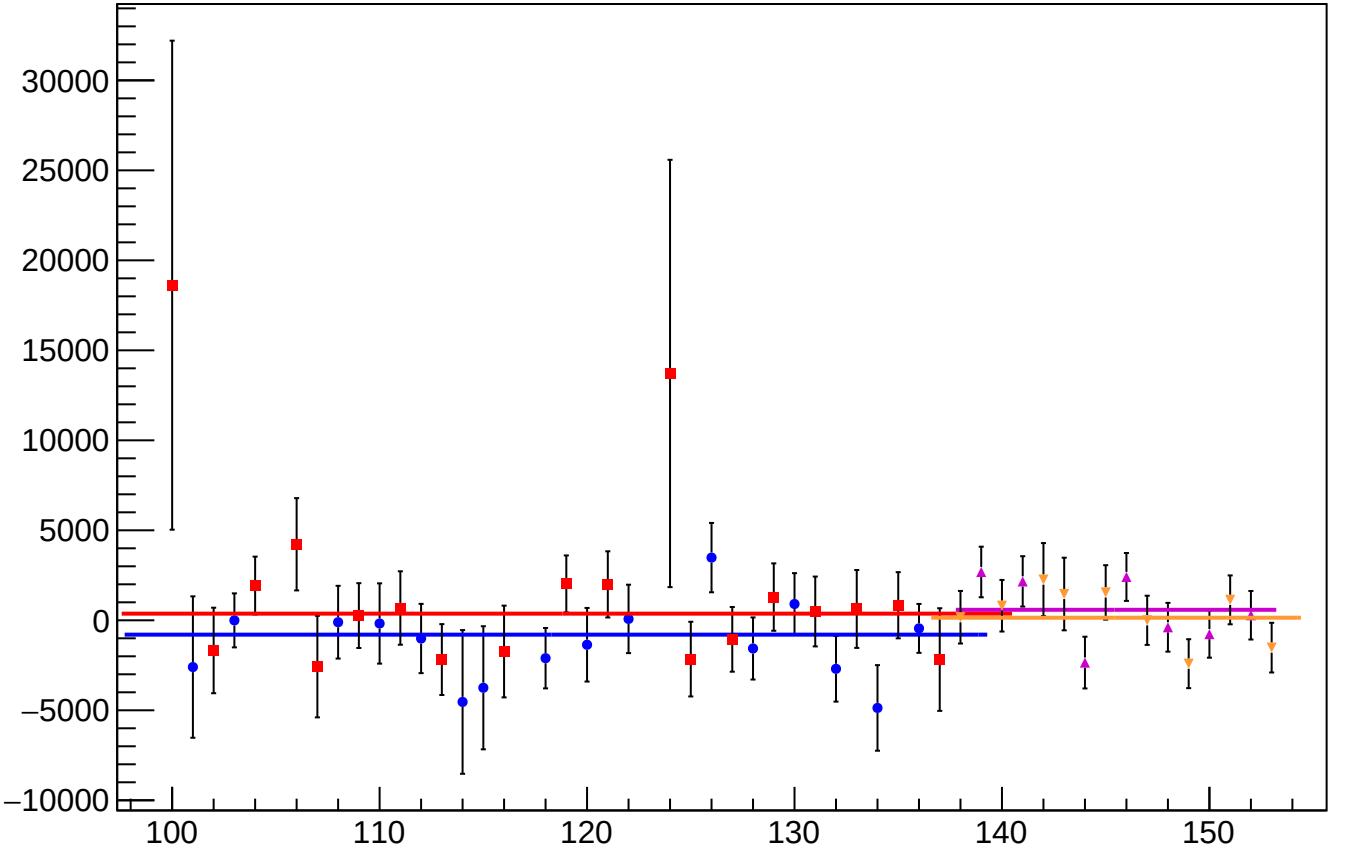
Left In: 0.000+/-0.000 χ^2/NDF:464888.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 5276703.9/24

All: 0.000+/-0.000 χ^2/NDF: 9481093.6/50

- sign 0.000+/-0.000 χ^2/NDF: 3857087.4/25

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 143.398+/-498.445 χ^2/NDF:8.1/8

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

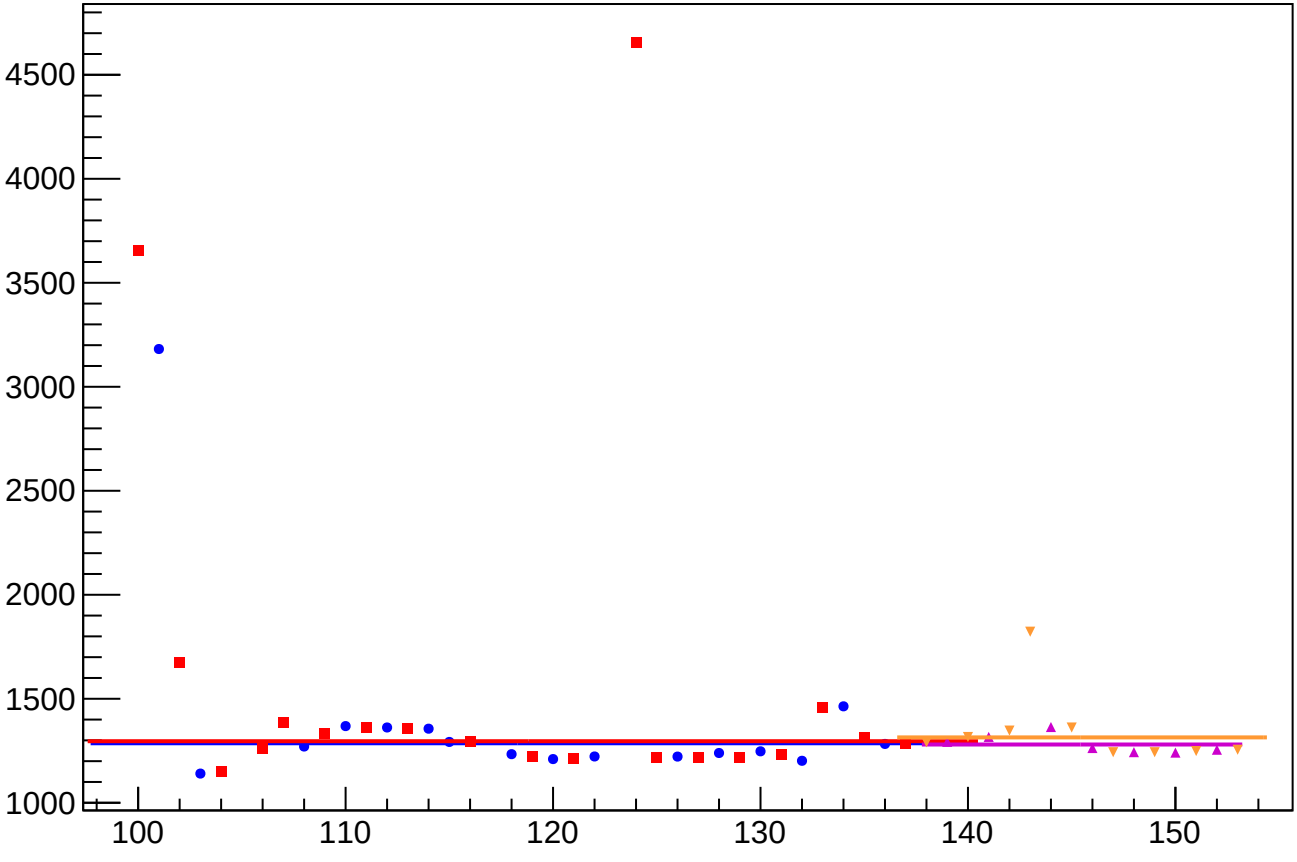
Left In: 583.590+/-516.914 χ^2/NDF:11.2/6

+ sign -337.429+/-348.503 χ^2/NDF: 23.4/24

All: 60.045+/-248.353 χ^2/NDF: 52.9/50

- sign 470.185+/-354.011 χ^2/NDF: 26.9/25

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

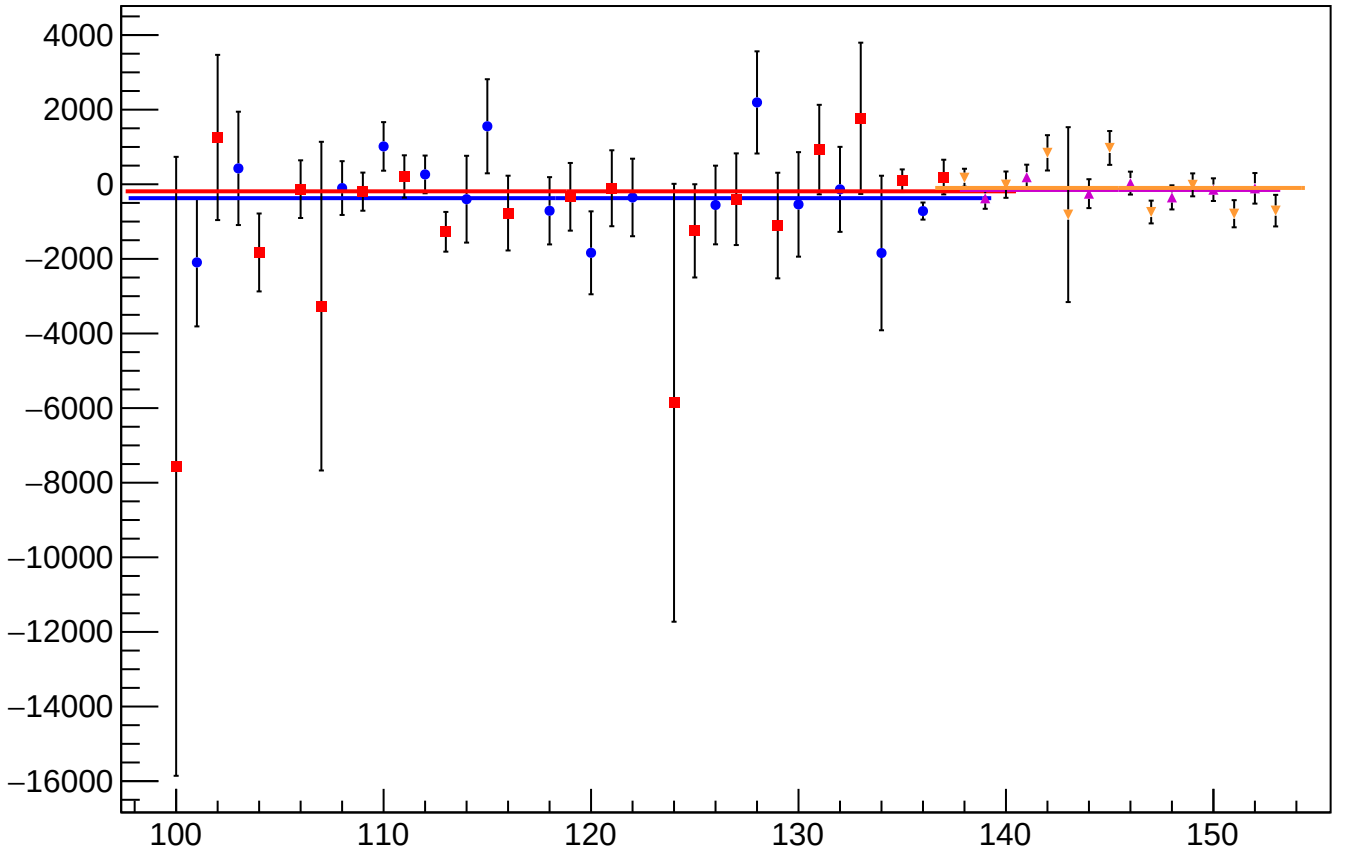
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1299.880+/-0.246 χ^2/NDF: 670654.8/24

All: 1294.284+/-0.176 χ^2/NDF: 1013406.6/50

- sign 1288.509+/-0.250 χ^2/NDF: 341703.9/25



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -98.665+/-120.284 χ^2/NDF:21.2/8

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

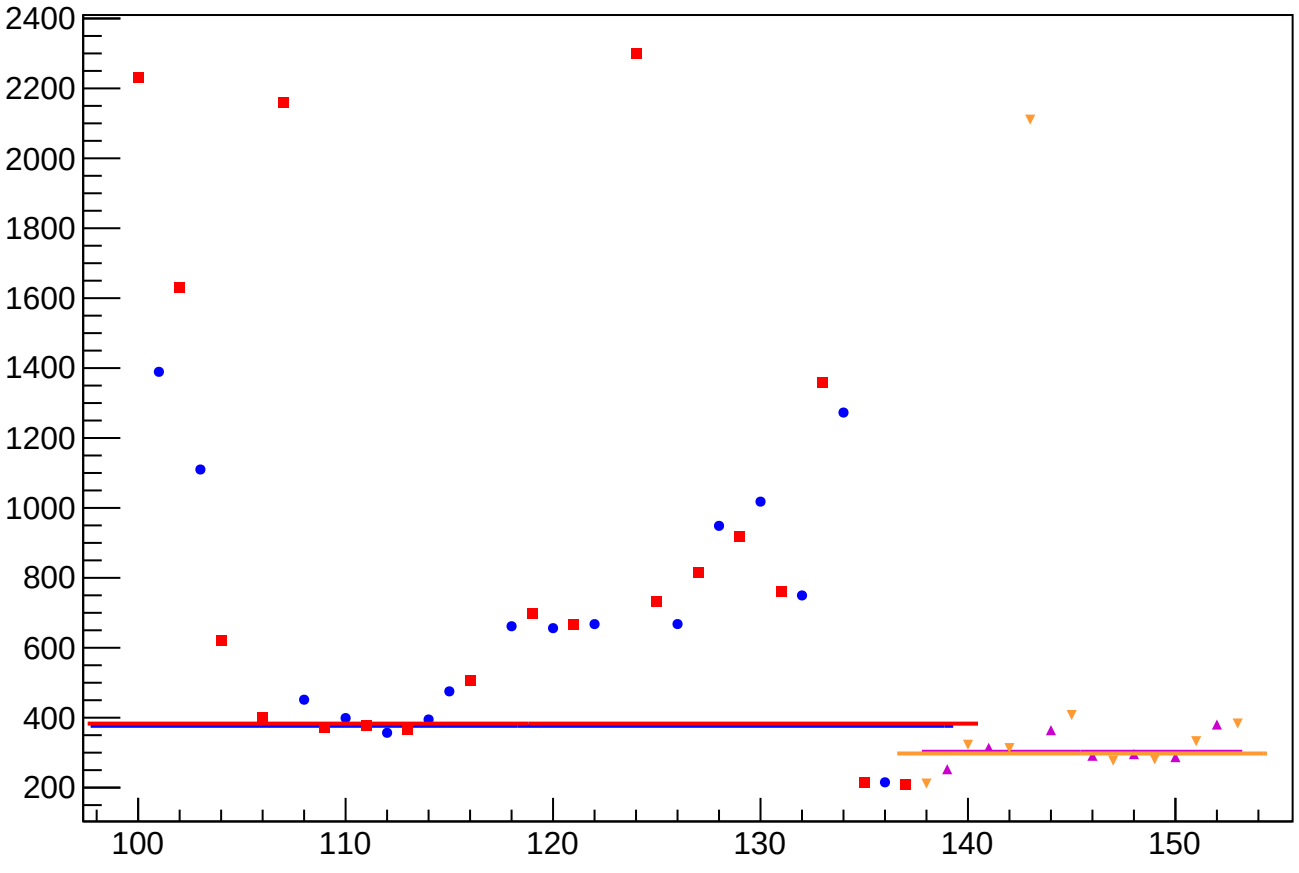
Left In: -152.828+/-123.979 χ^2/NDF:2.5/6

+ sign -191.259+/-97.841 χ^2/NDF: 41.1/24

All: -178.627+/-69.963 χ^2/NDF: 58.3/50

- sign -165.409+/-100.083 χ^2/NDF: 17.2/25

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 297.652+/-0.085 χ^2/NDF:1695747.5/8

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

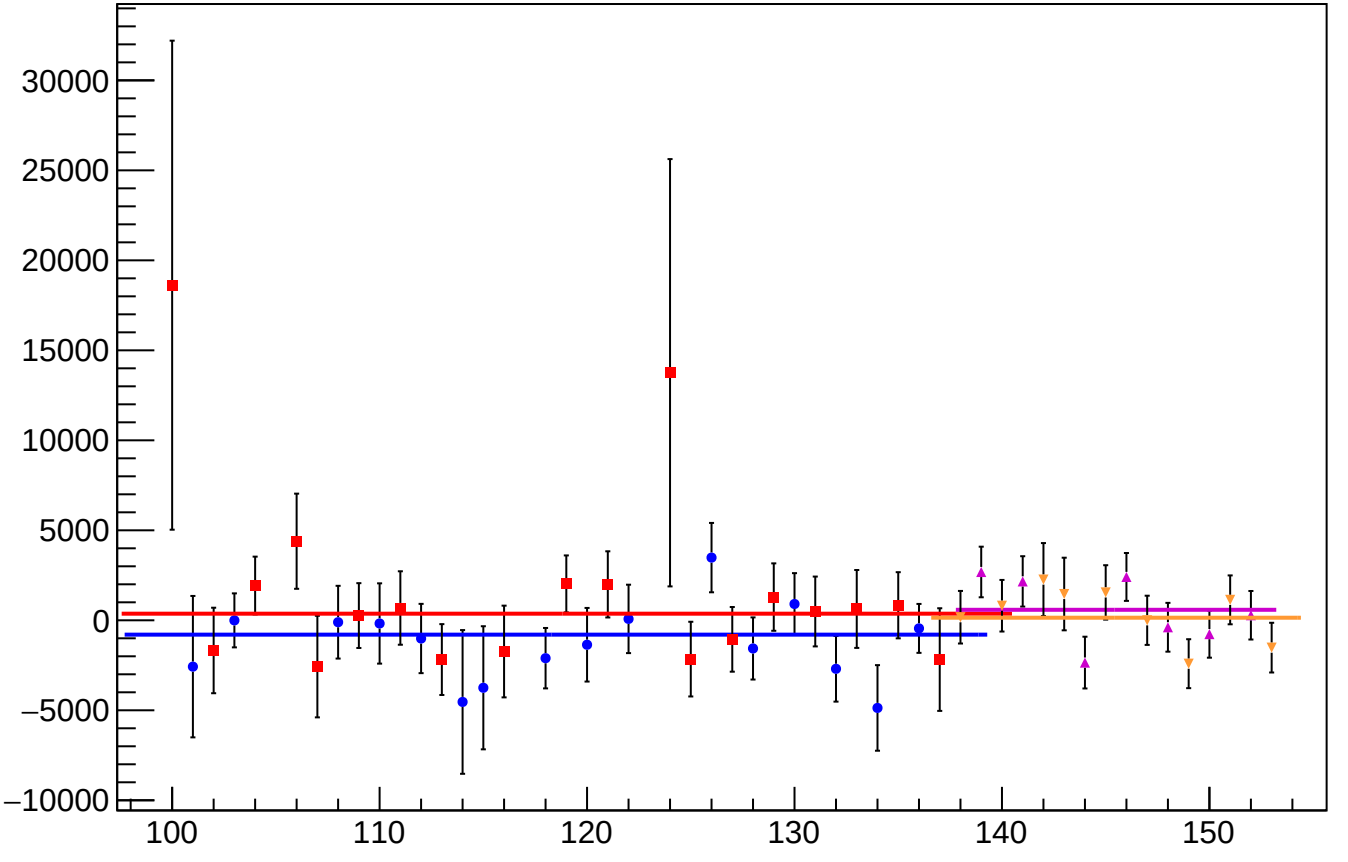
Left In: 302.561+/-0.088 χ^2/NDF:196714.5/6

+ sign 324.463+/-0.069 χ^2/NDF: 6179627.3/24

All: 327.465+/-0.049 χ^2/NDF: 10728124.3/50

- sign 330.606+/-0.071 χ^2/NDF: 4544644.4/25

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 143.408+/-498.445 χ^2/NDF:8.1/8

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

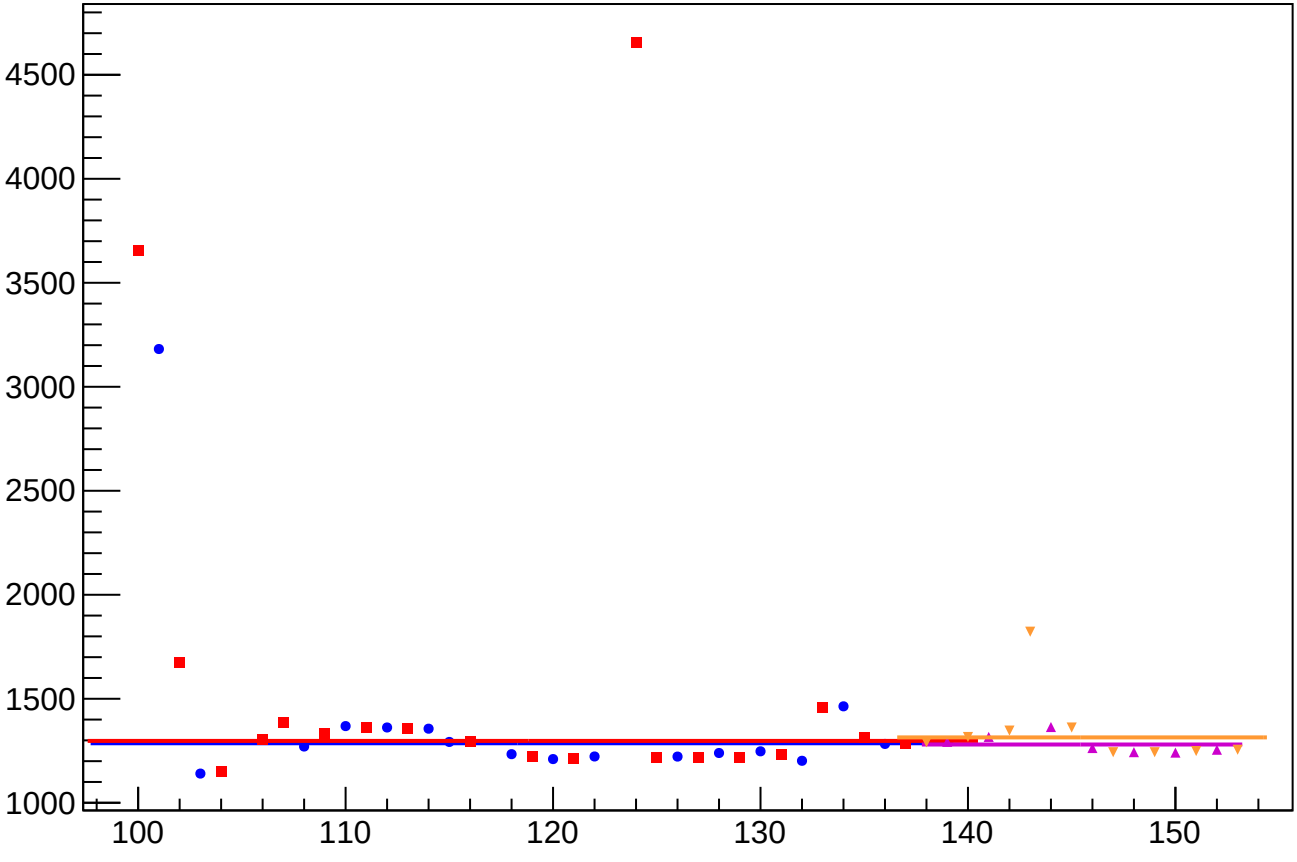
Left In: 583.580+/-516.914 χ^2/NDF:11.2/6

+ sign -337.219+/-348.503 χ^2/NDF: 23.4/24

All: 59.315+/-248.423 χ^2/NDF: 52.9/50

- sign 468.950+/-354.213 χ^2/NDF: 26.9/25

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

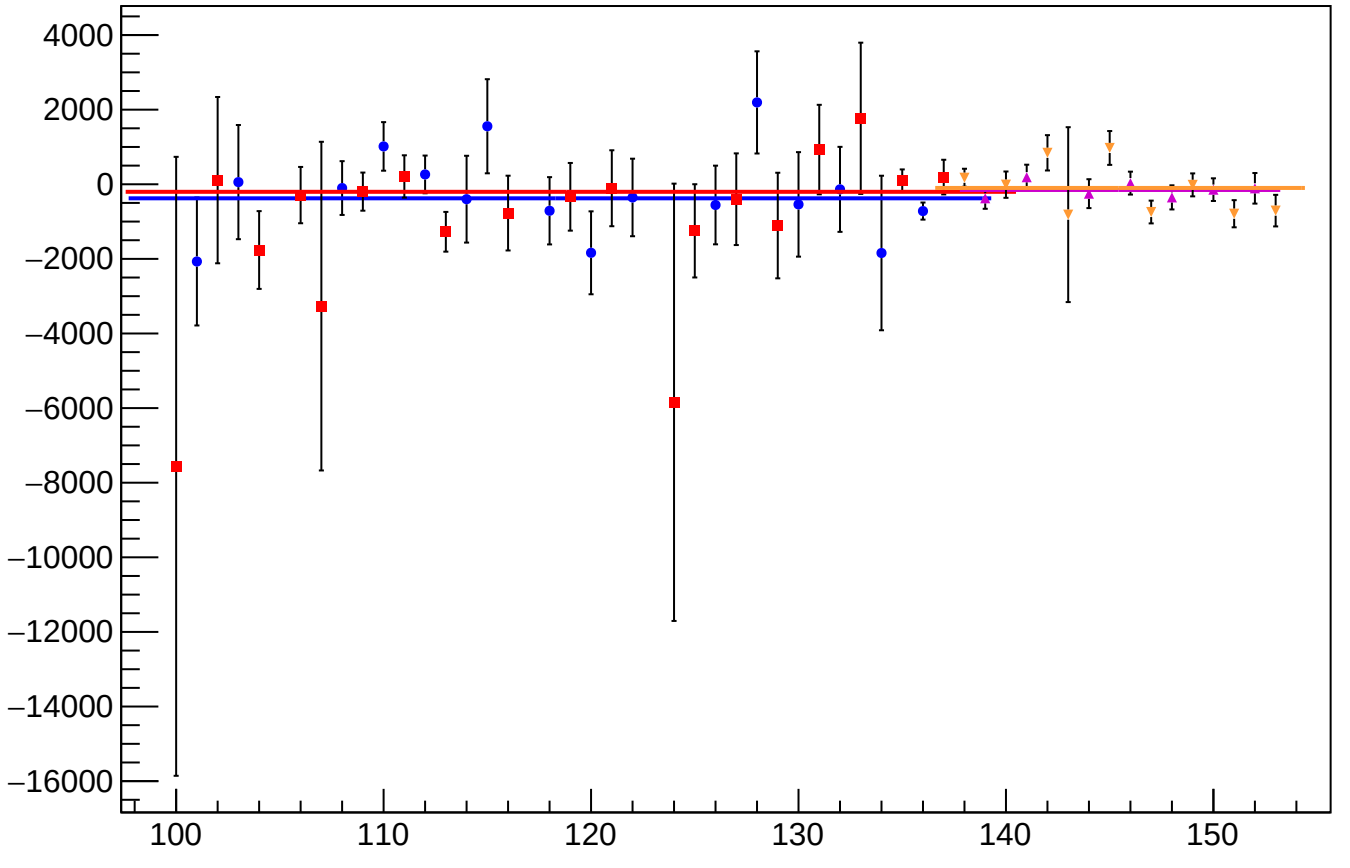
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1299.880+/-0.246 χ^2/NDF: 670656.3/24

All: 1294.661+/-0.176 χ^2/NDF: 1013133.6/50

- sign 1289.270+/-0.250 χ^2/NDF: 341565.6/25



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -98.680+/-120.287 χ^2/NDF:21.2/8

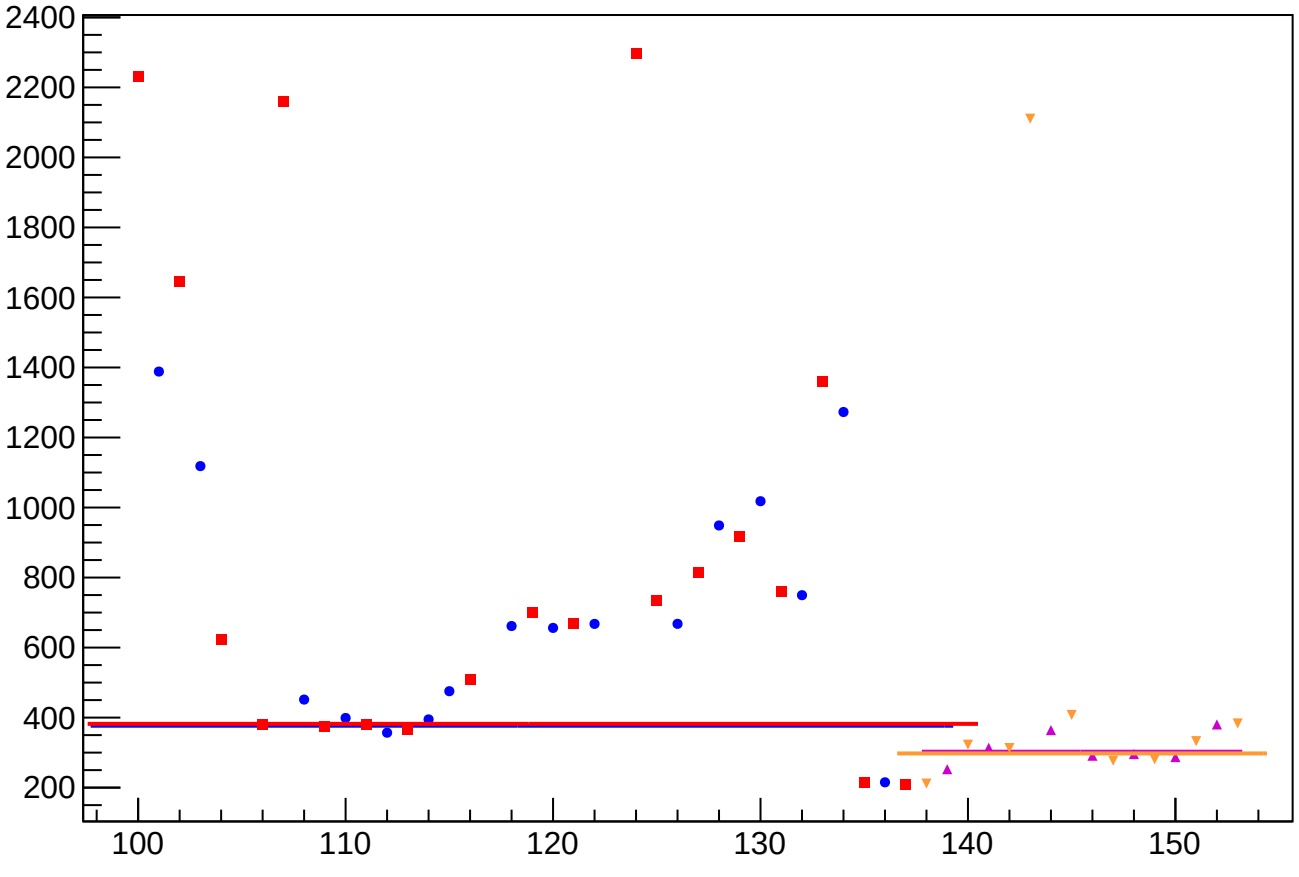
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -152.851+/-123.978 χ^2/NDF:2.5/6

+ sign -192.762+/-97.847 χ^2/NDF: 40.9/24

All: -181.657+/-69.951 χ^2/NDF: 57.5/50

- sign -170.048+/-100.042 χ^2/NDF: 16.6/25



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 297.662+/-0.085 χ^2/NDF:1695722.7/8

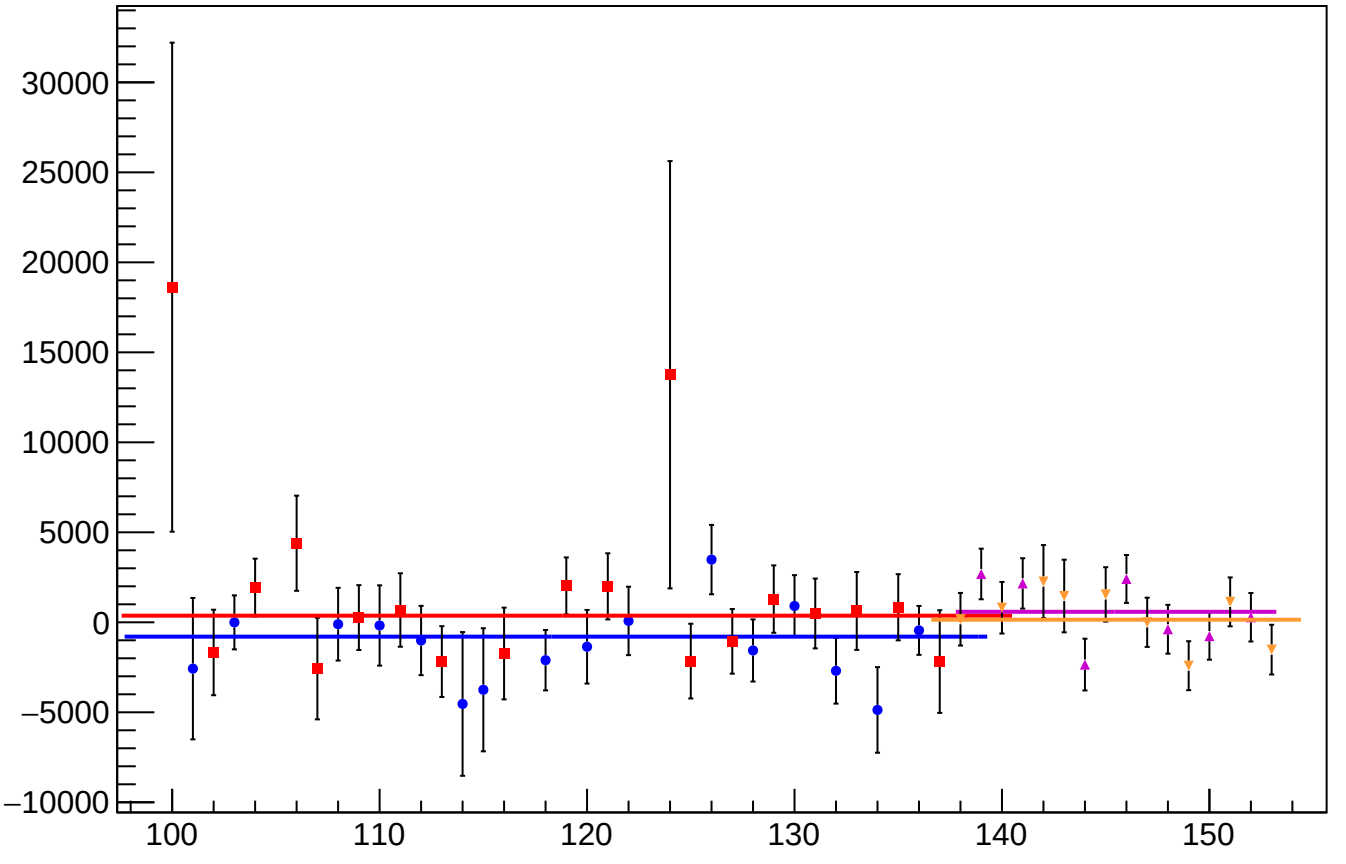
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

+ sign 324.464+/-0.069 χ^2/NDF: 6182545.1/24

All: 327.327+/-0.049 χ^2/NDF: 10729818.3/50

- sign 330.320+/-0.071 χ^2/NDF: 4543771.1/25



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 143.408+/-498.445 χ^2/NDF:8.1/8

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

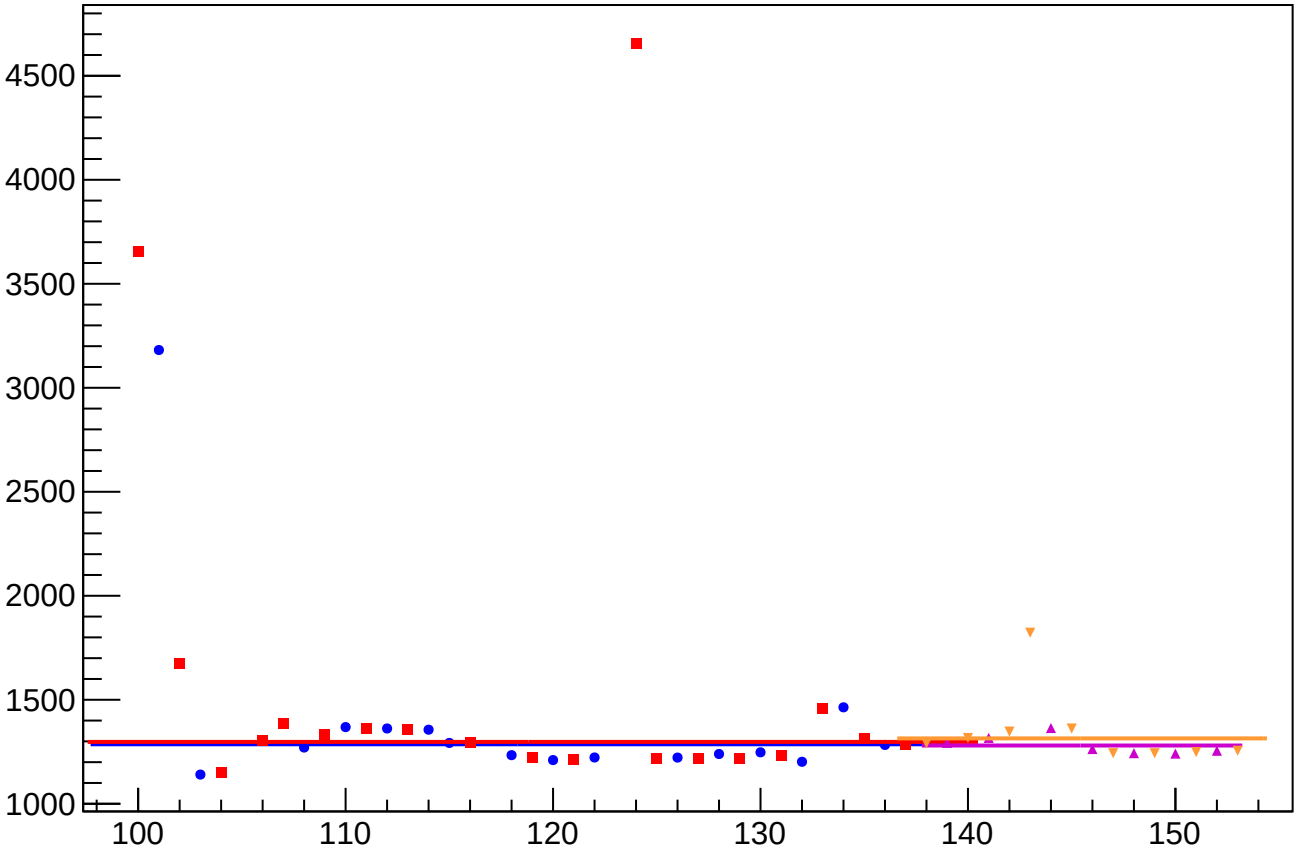
Left In: 583.580+/-516.914 χ^2/NDF:11.2/6

+ sign -337.219+/-348.503 χ^2/NDF: 23.4/24

All: 59.315+/-248.423 χ^2/NDF: 52.9/50

- sign 468.950+/-354.213 χ^2/NDF: 26.9/25

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

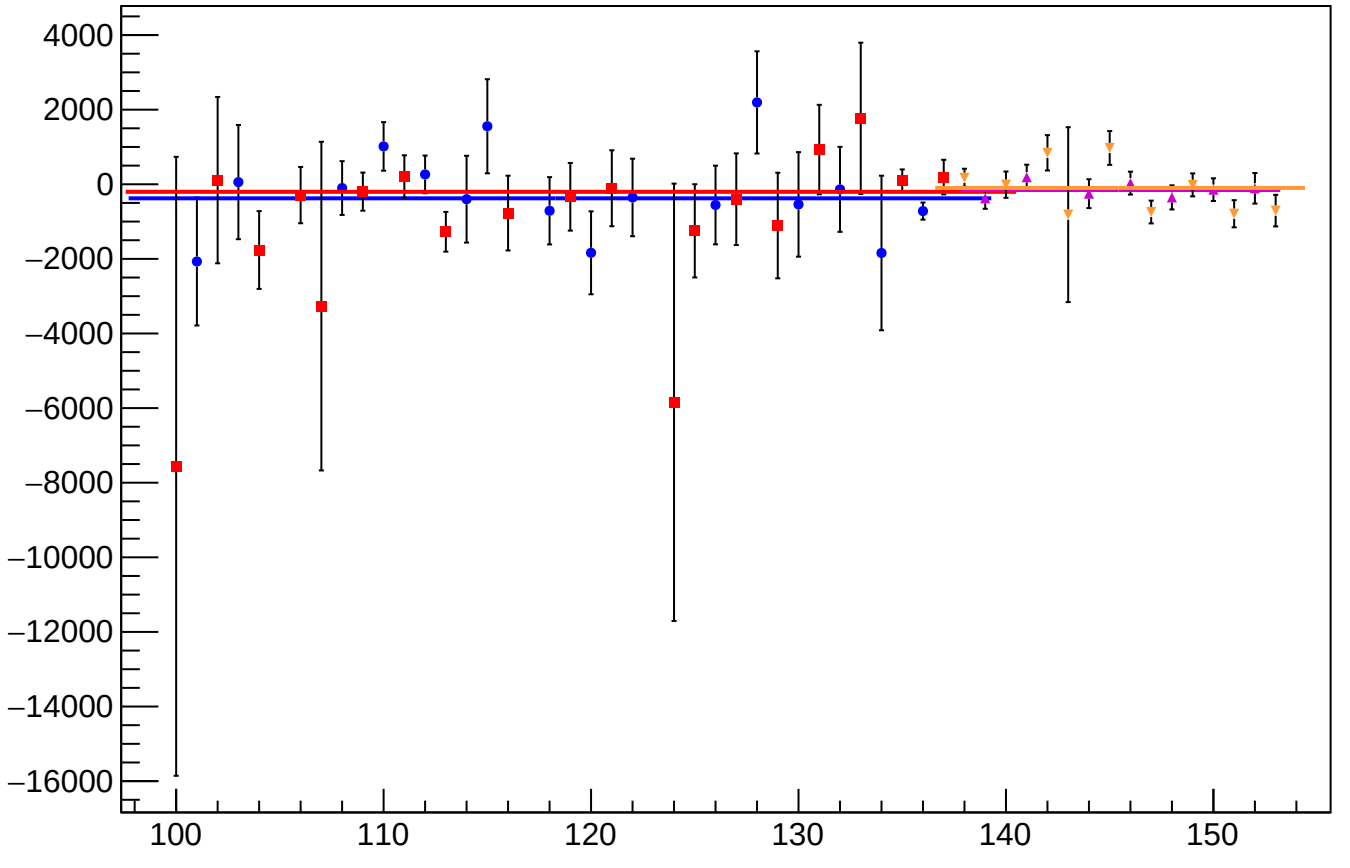
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1299.880+/-0.246 χ^2/NDF: 670656.3/24

All: 1294.661+/-0.176 χ^2/NDF: 1013133.6/50

- sign 1289.270+/-0.250 χ^2/NDF: 341565.6/25



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -98.680+/-120.287 χ^2/NDF:21.2/8

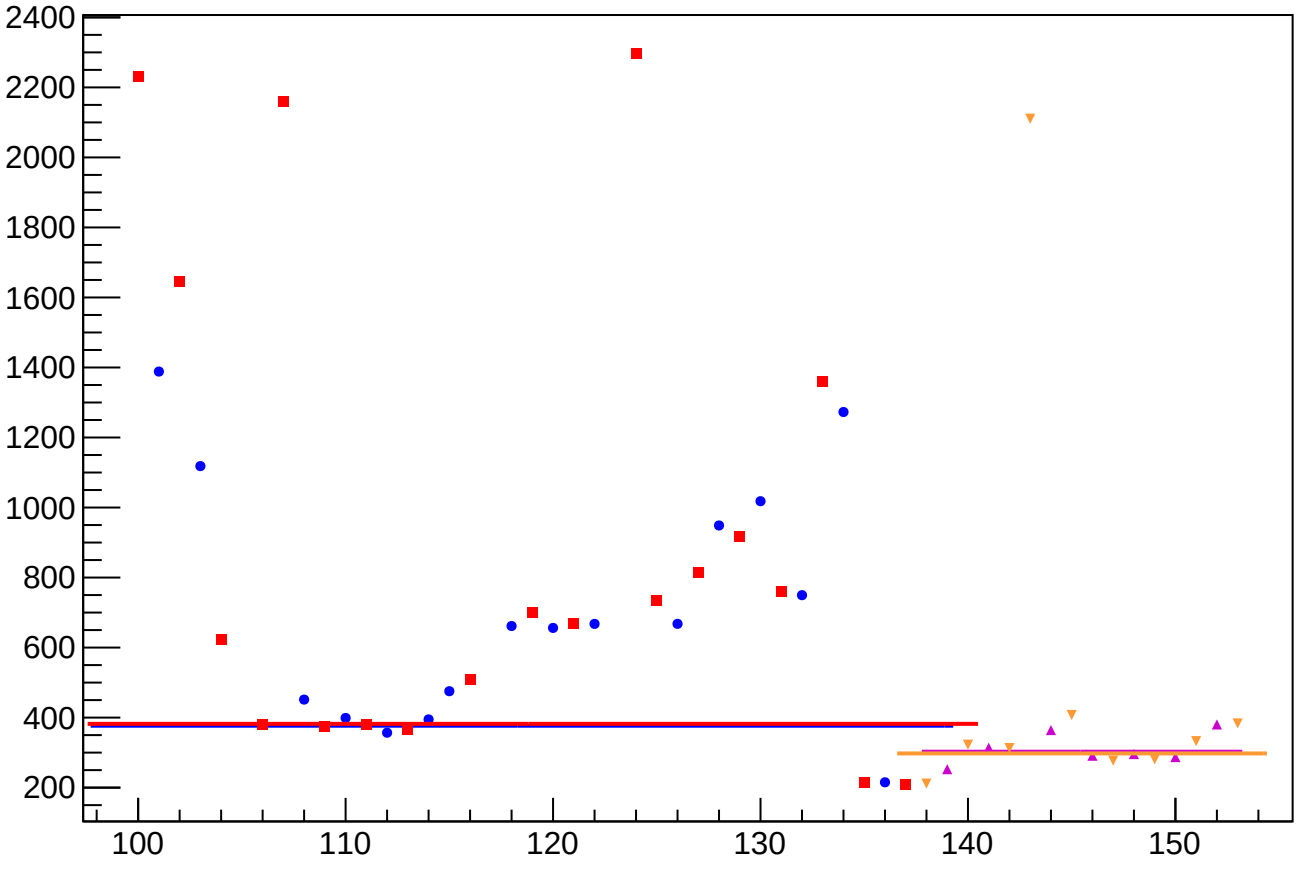
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -152.851+/-123.978 χ^2/NDF:2.5/6

+ sign -192.762+/-97.847 χ^2/NDF: 40.9/24

All: -181.657+/-69.951 χ^2/NDF: 57.5/50

- sign -170.048+/-100.042 χ^2/NDF: 16.6/25



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 297.662+/-0.085 χ^2/NDF:1695722.7/8

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

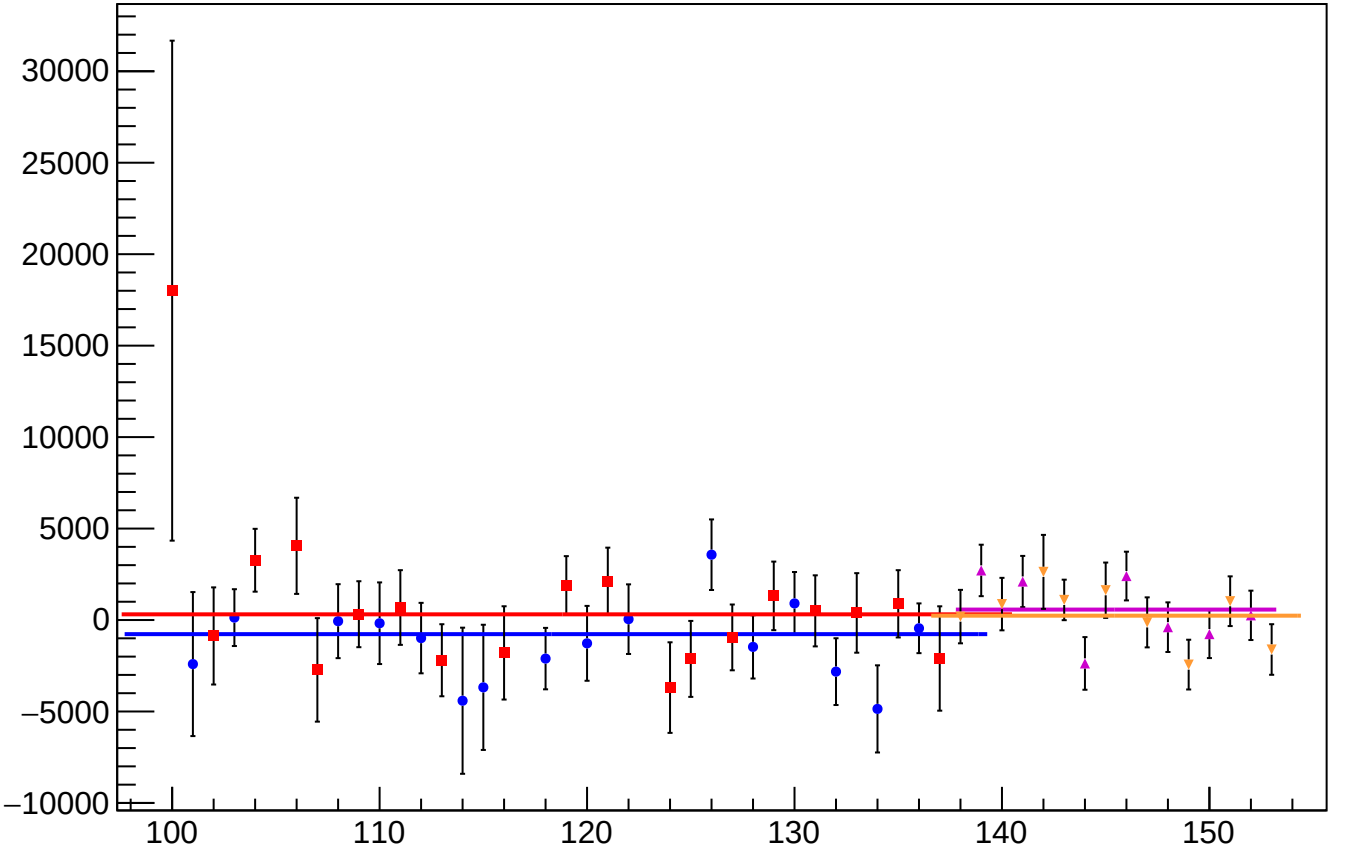
Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

+ sign 324.464+/-0.069 χ^2/NDF: 6182545.1/24

All: 327.327+/-0.049 χ^2/NDF: 10729818.3/50

- sign 330.320+/-0.071 χ^2/NDF: 4543771.1/25

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 237.944+/-466.678 χ^2/NDF:9.1/8

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

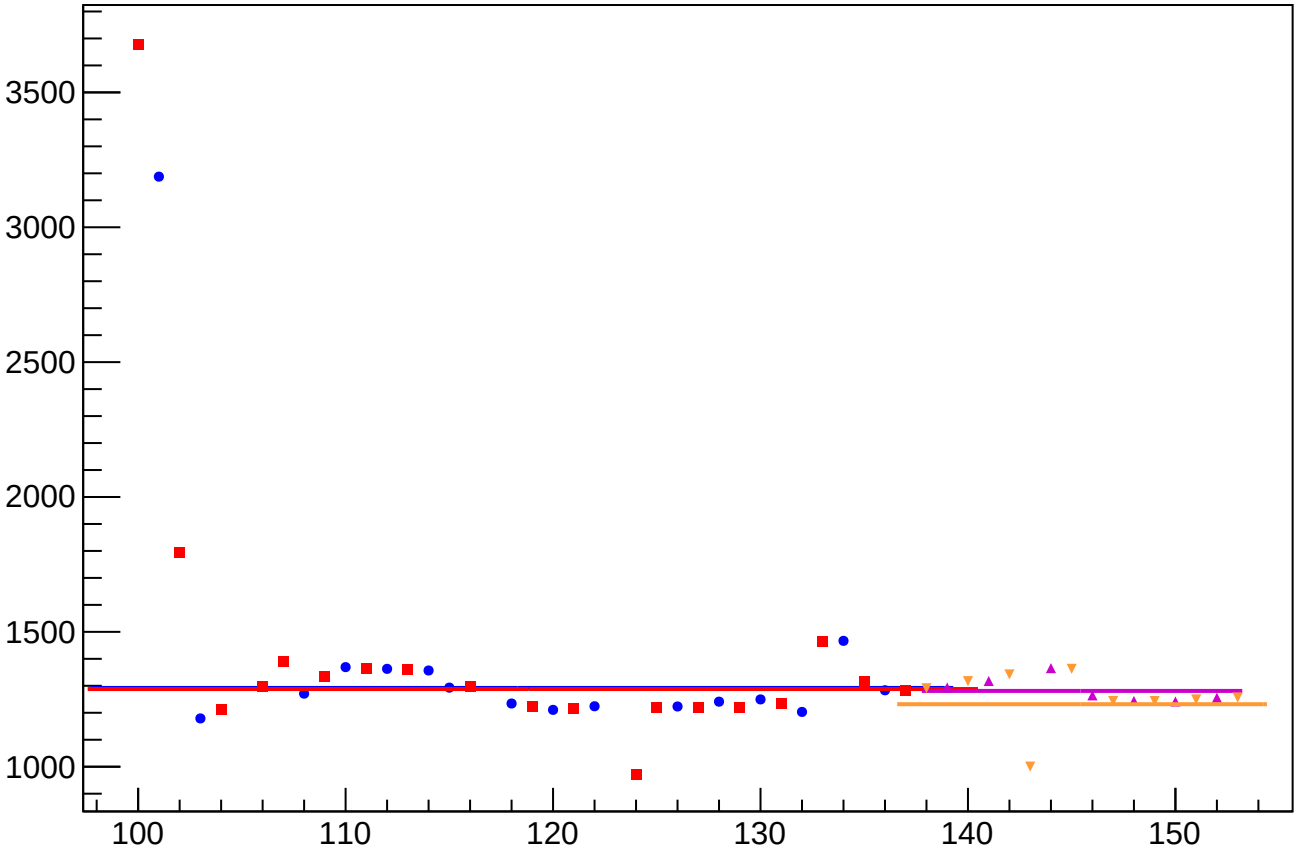
Left In: 571.168+/-517.296 χ^2/NDF:11.2/6

+ sign -242.592+/-337.805 χ^2/NDF: 24.9/24

All: 80.117+/-244.025 χ^2/NDF: 56.1/50

- sign 432.302+/-352.895 χ^2/NDF: 29.3/25

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1231.774+/-0.330 χ^2/NDF:120068.6/8

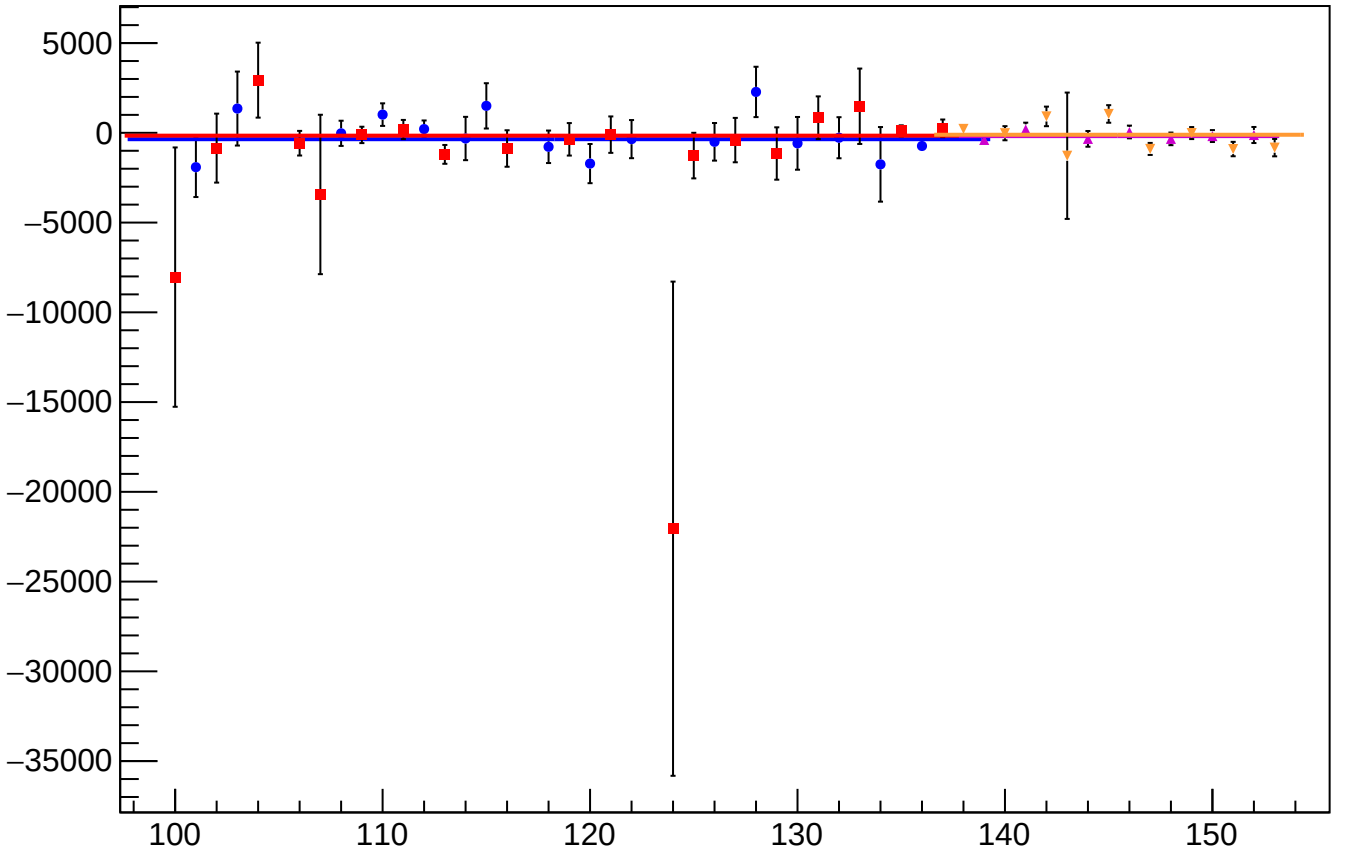
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1281.030+/-0.366 χ^2/NDF:12720.2/6

+ sign 1260.462+/-0.239 χ^2/NDF: 645351.3/24

All: 1272.076+/-0.173 χ^2/NDF: 872417.5/50

- sign 1284.750+/-0.250 χ^2/NDF: 222122.5/25



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -107.641+/-129.911 χ^2/NDF:22.9/8

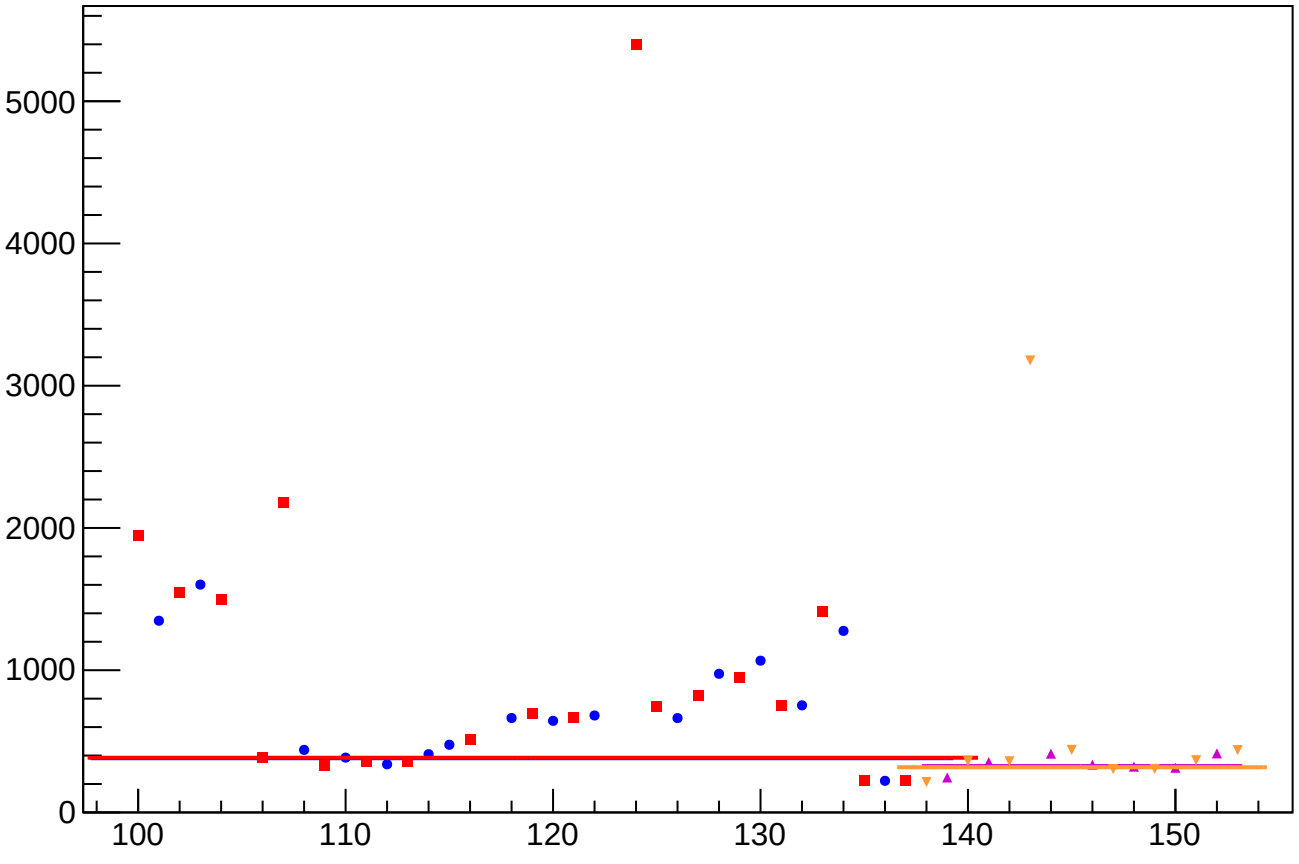
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -183.633+/-134.428 χ^2/NDF:2.3/6

+ sign -198.940+/-103.216 χ^2/NDF: 42.6/24

All: -186.589+/-73.732 χ^2/NDF: 60.8/50

- sign -173.718+/-105.364 χ^2/NDF: 18.2/25



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 317.738+/-0.092 χ^2/NDF:2004838.5/8

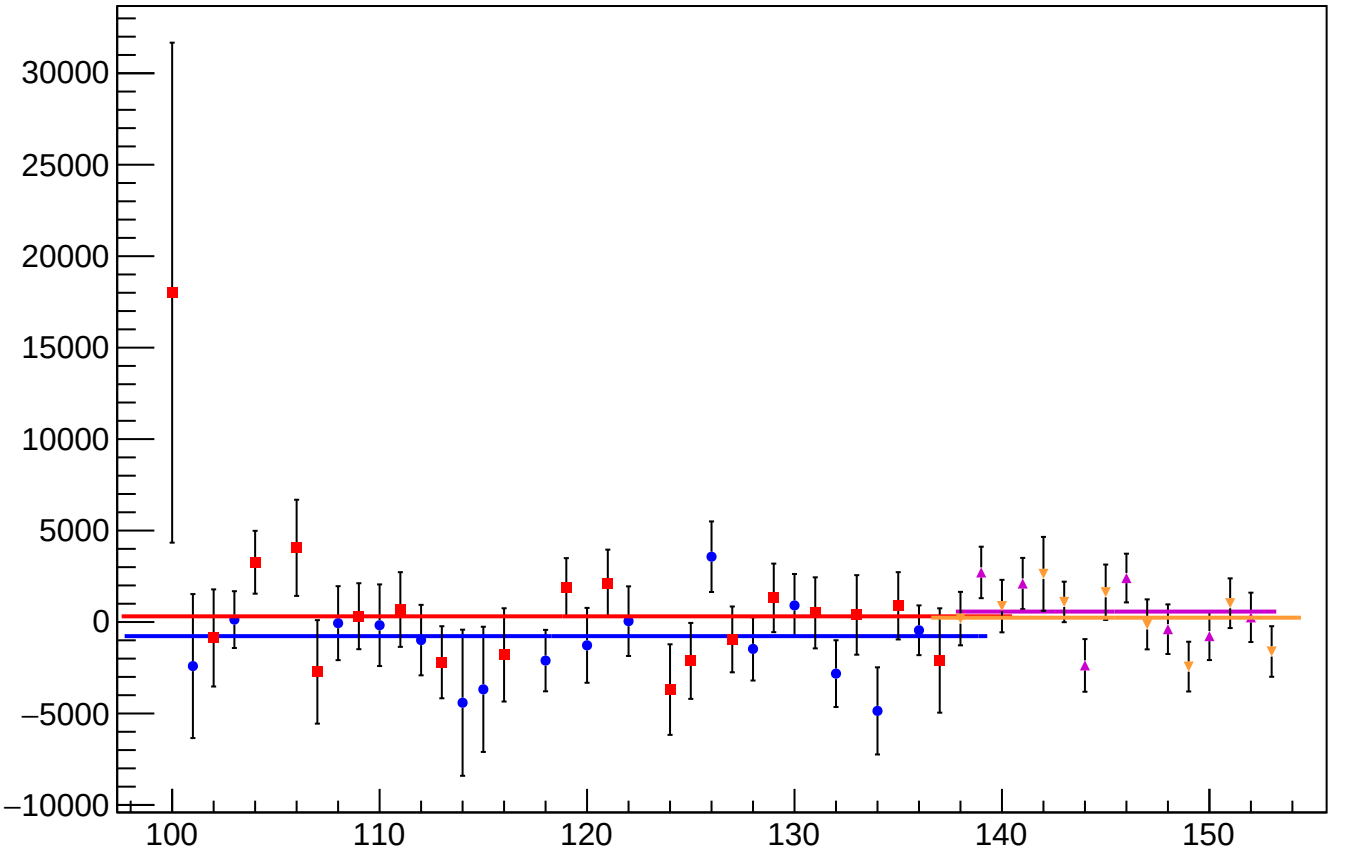
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 325.974+/-0.095 χ^2/NDF:341981.8/6

+ sign 341.195+/-0.073 χ^2/NDF: 6499587.1/24

All: 344.823+/-0.052 χ^2/NDF: 11553779.3/50

- sign 348.603+/-0.075 χ^2/NDF: 5049147.0/25



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 237.945+/-466.678 χ^2/NDF:9.1/8

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

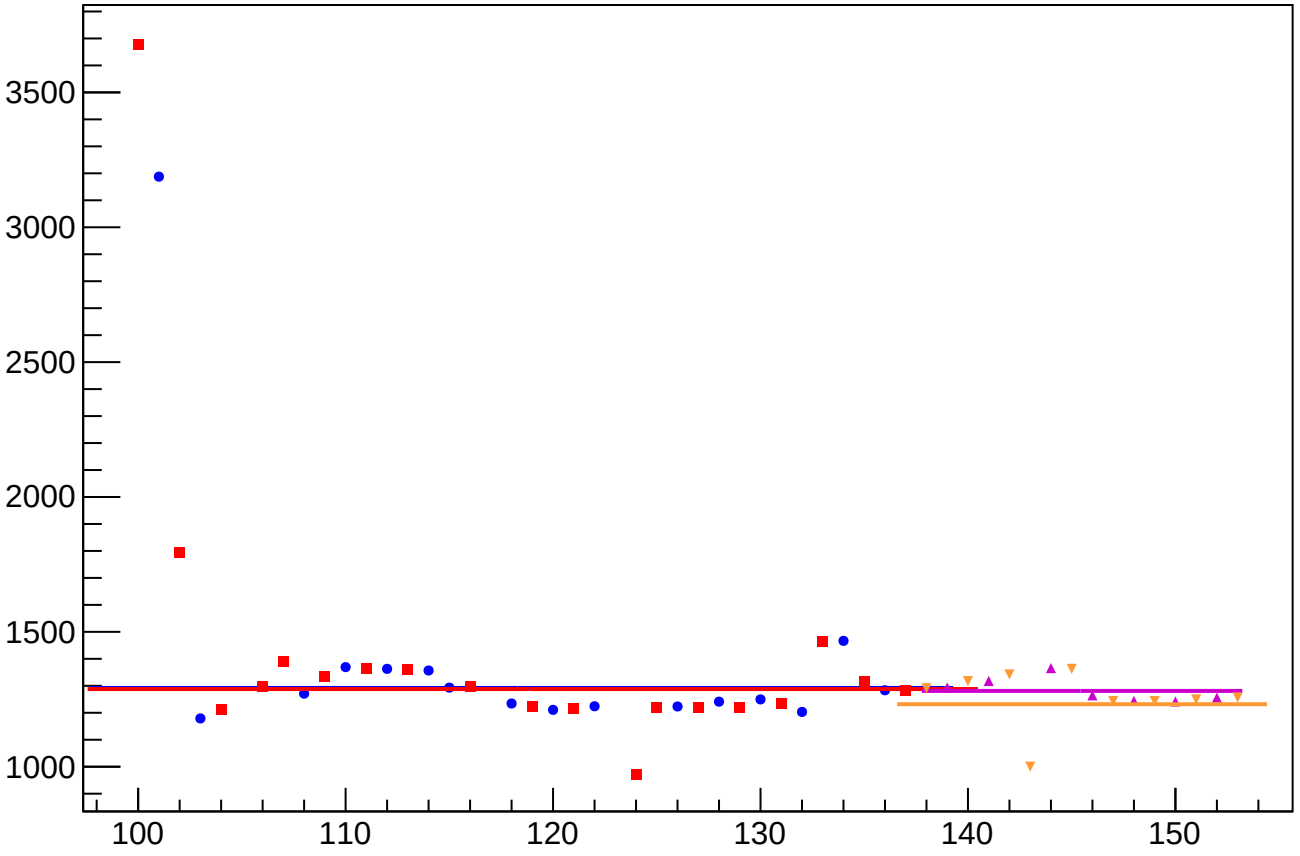
Left In: 571.165+/-517.296 χ^2/NDF:11.2/6

+ sign -242.593+/-337.805 χ^2/NDF: 24.9/24

All: 80.116+/-244.025 χ^2/NDF: 56.1/50

- sign 432.301+/-352.895 χ^2/NDF: 29.3/25

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1231.774+/-0.330 χ^2/NDF:120067.9/8

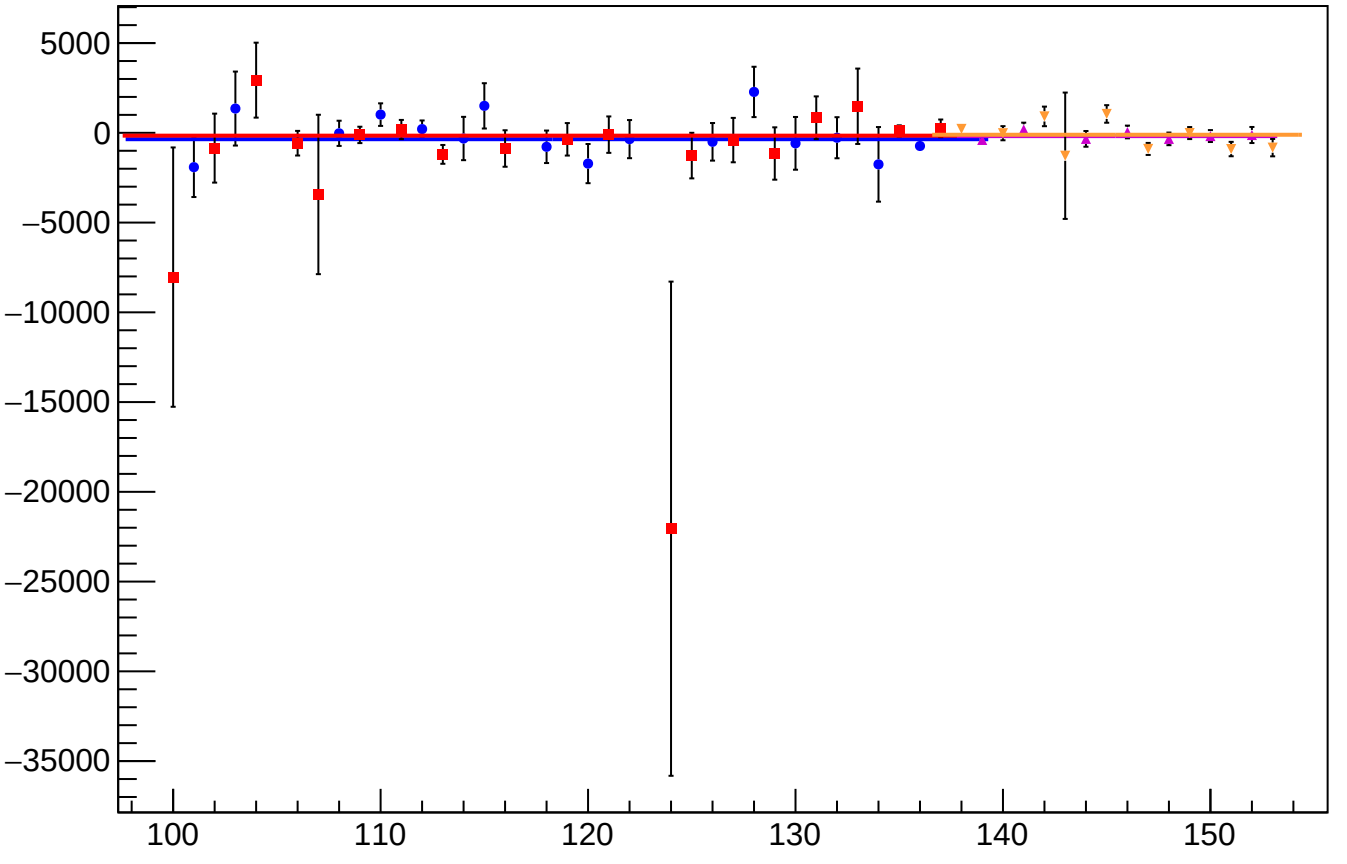
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1281.030+/-0.366 χ^2/NDF:12720.3/6

+ sign 1260.462+/-0.239 χ^2/NDF: 645350.4/24

All: 1272.076+/-0.173 χ^2/NDF: 872416.9/50

- sign 1284.750+/-0.250 χ^2/NDF: 222122.8/25



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -107.652+/-129.914 χ^2/NDF:22.9/8

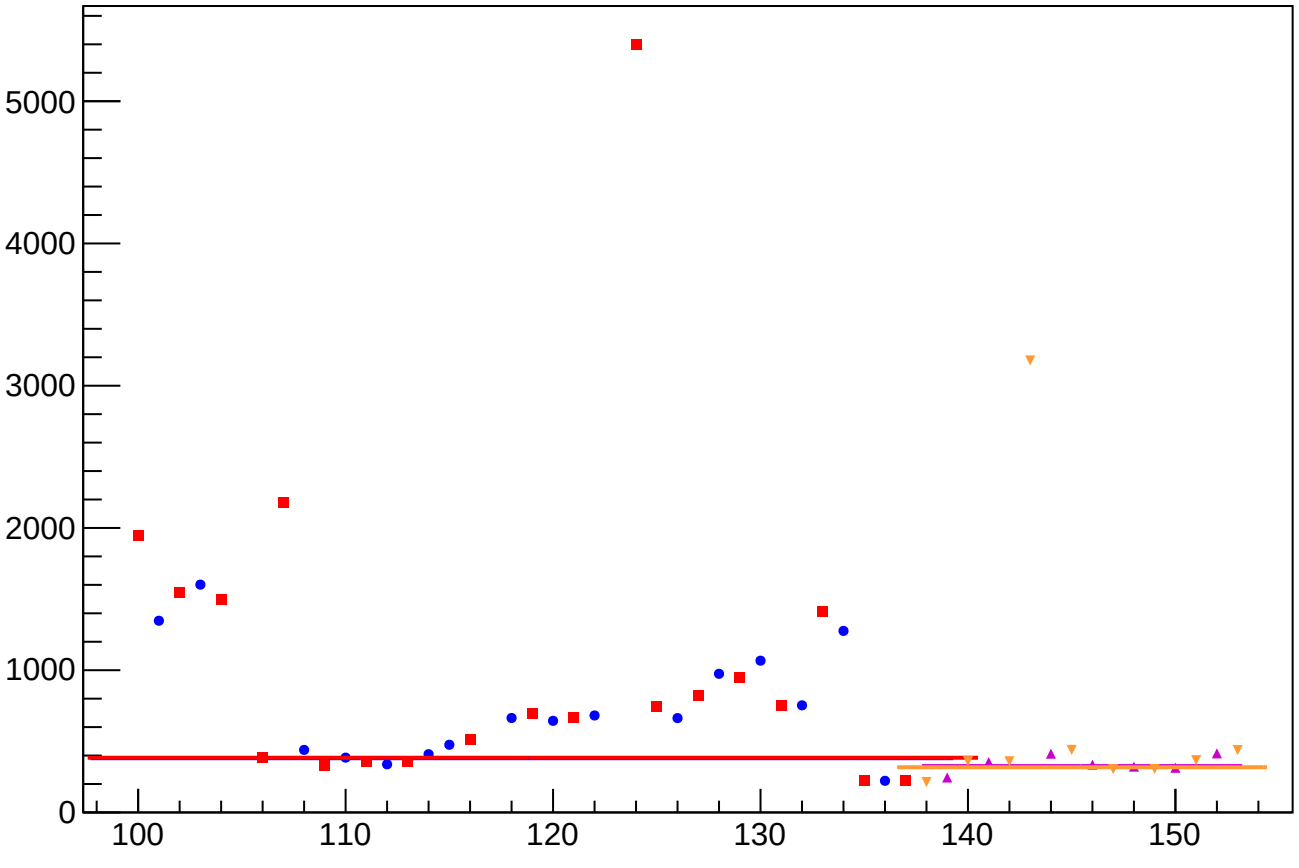
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -183.634+/-134.429 χ^2/NDF:2.3/6

\+ sign -198.947+/-103.217 χ^2/NDF: 42.6/24

All: -186.594+/-73.733 χ^2/NDF: 60.8/50

\- sign -173.721+/-105.365 χ^2/NDF: 18.2/25



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 317.745+/-0.092 χ^2/NDF:2004709.9/8

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

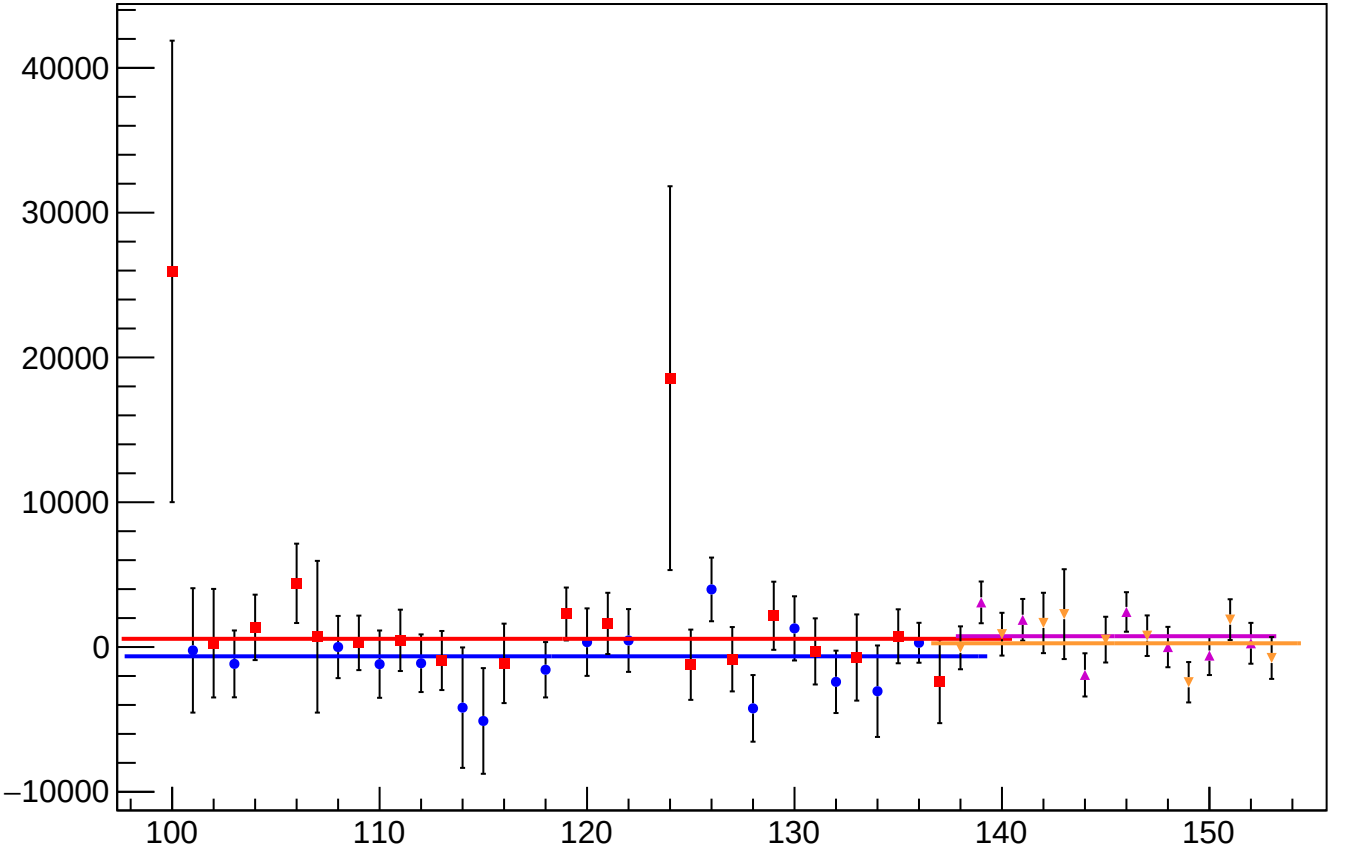
Left In: 325.979+/-0.095 χ^2/NDF:341907.6/6

+ sign 341.203+/-0.073 χ^2/NDF: 6499283.1/24

All: 344.830+/-0.052 χ^2/NDF: 11553267.7/50

- sign 348.609+/-0.075 χ^2/NDF: 5048942.3/25

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 258.777+/-523.086 χ^2/NDF:6.8/8

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

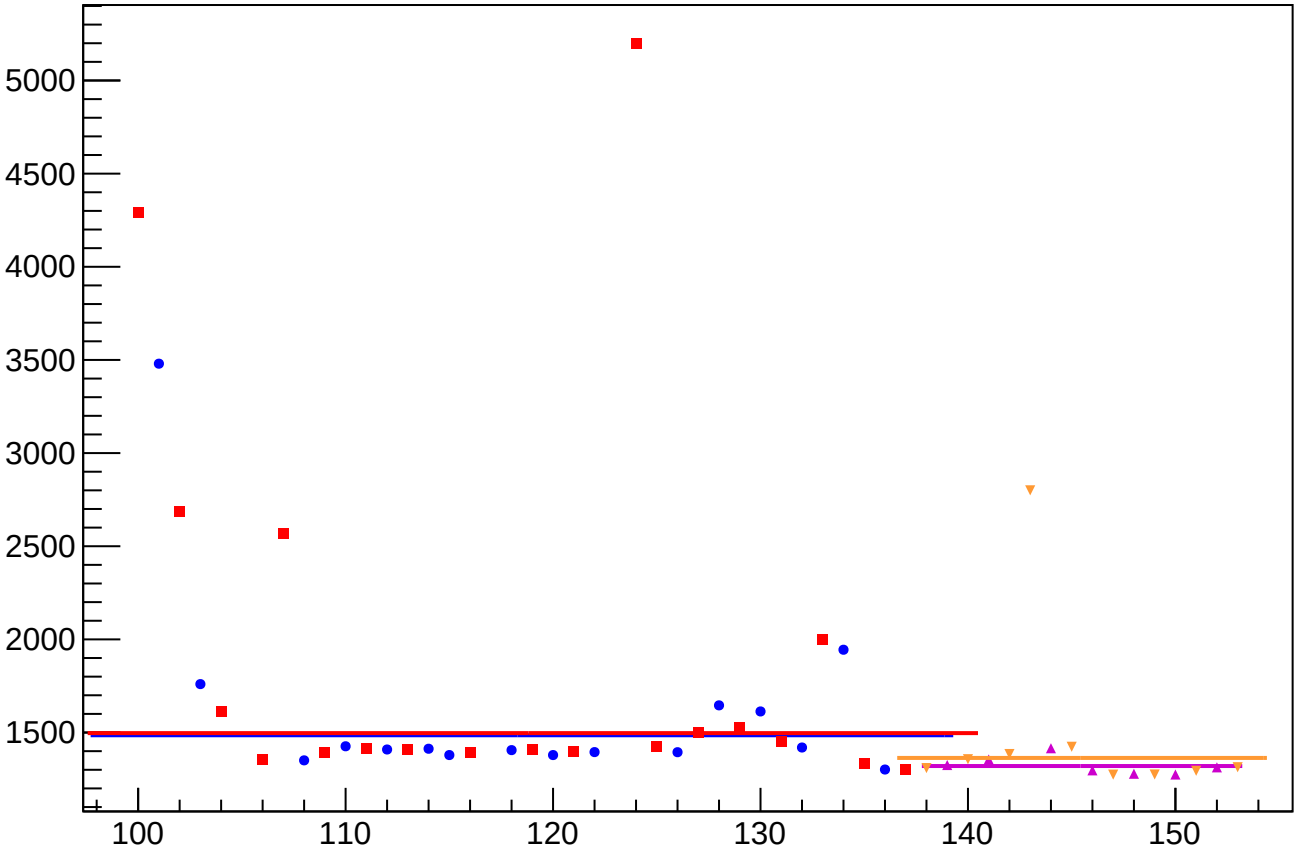
Left In: 747.382+/-533.169 χ^2/NDF:9.4/6

+ sign -156.923+/-383.642 χ^2/NDF: 20.7/24

All: 247.953+/-272.923 χ^2/NDF: 43.7/50

- sign 662.816+/-388.344 χ^2/NDF: 20.7/25

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1363.677+/-0.370 χ^2/NDF:457833.8/8

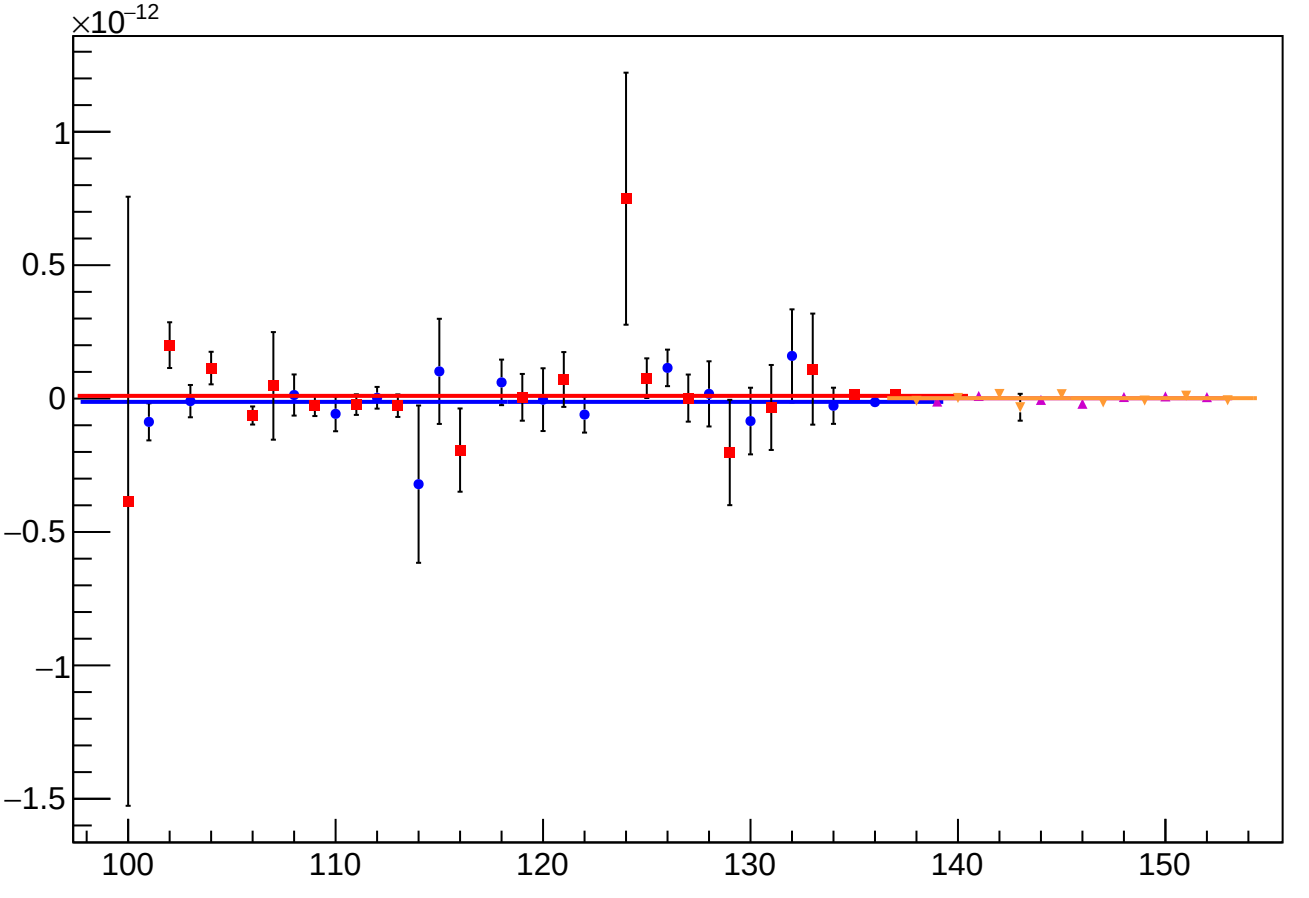
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1320.213+/-0.377 χ^2/NDF:14095.6/6

+ sign 1419.911+/-0.271 χ^2/NDF: 1092324.7/24

All: 1411.631+/-0.193 χ^2/NDF: 1834674.8/50

- sign 1403.147+/-0.275 χ^2/NDF: 740464.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/8

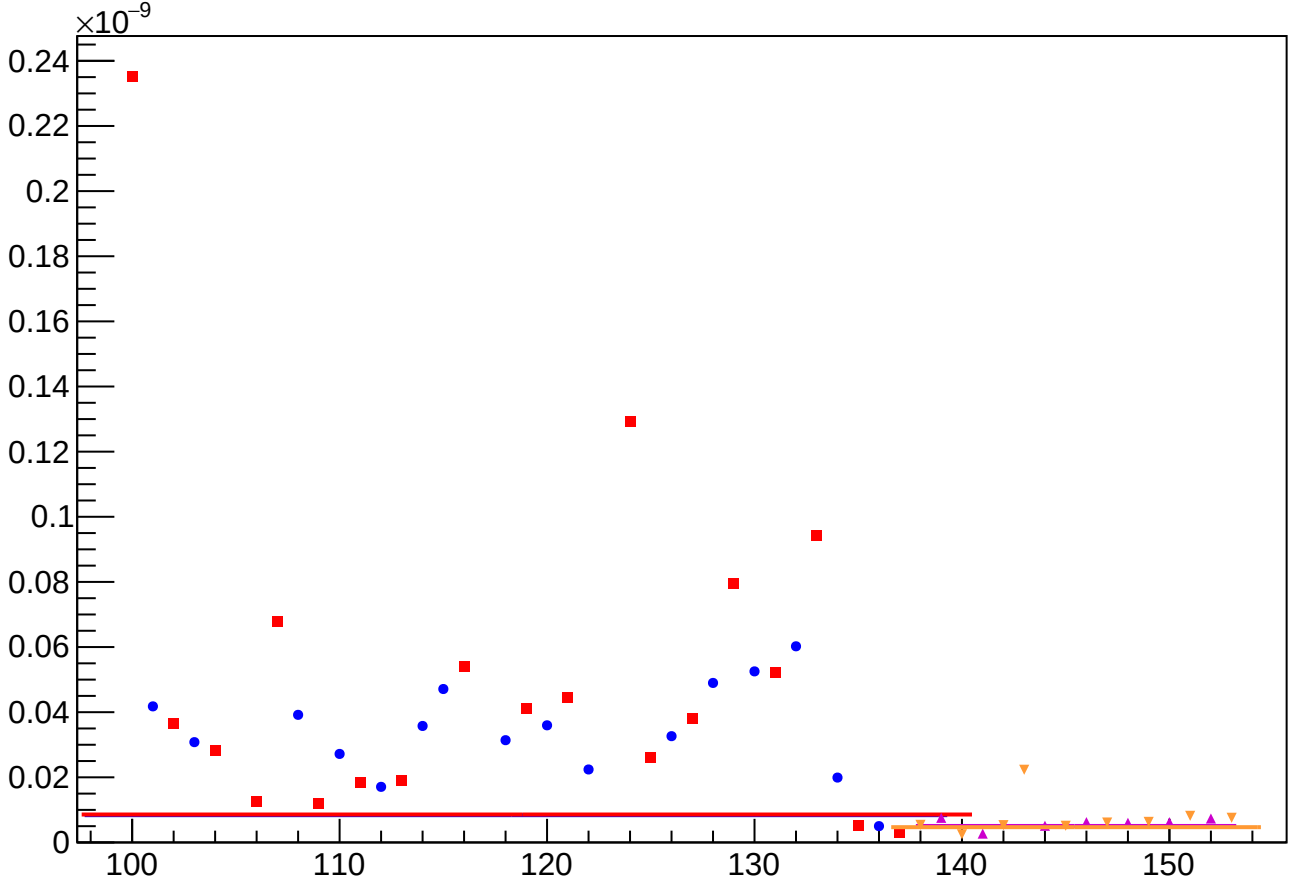
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.7/24

All: 0.000+/-0.000 χ^2/NDF: 55.5/50

- sign 0.000+/-0.000 χ^2/NDF: 32.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1015122.0/8

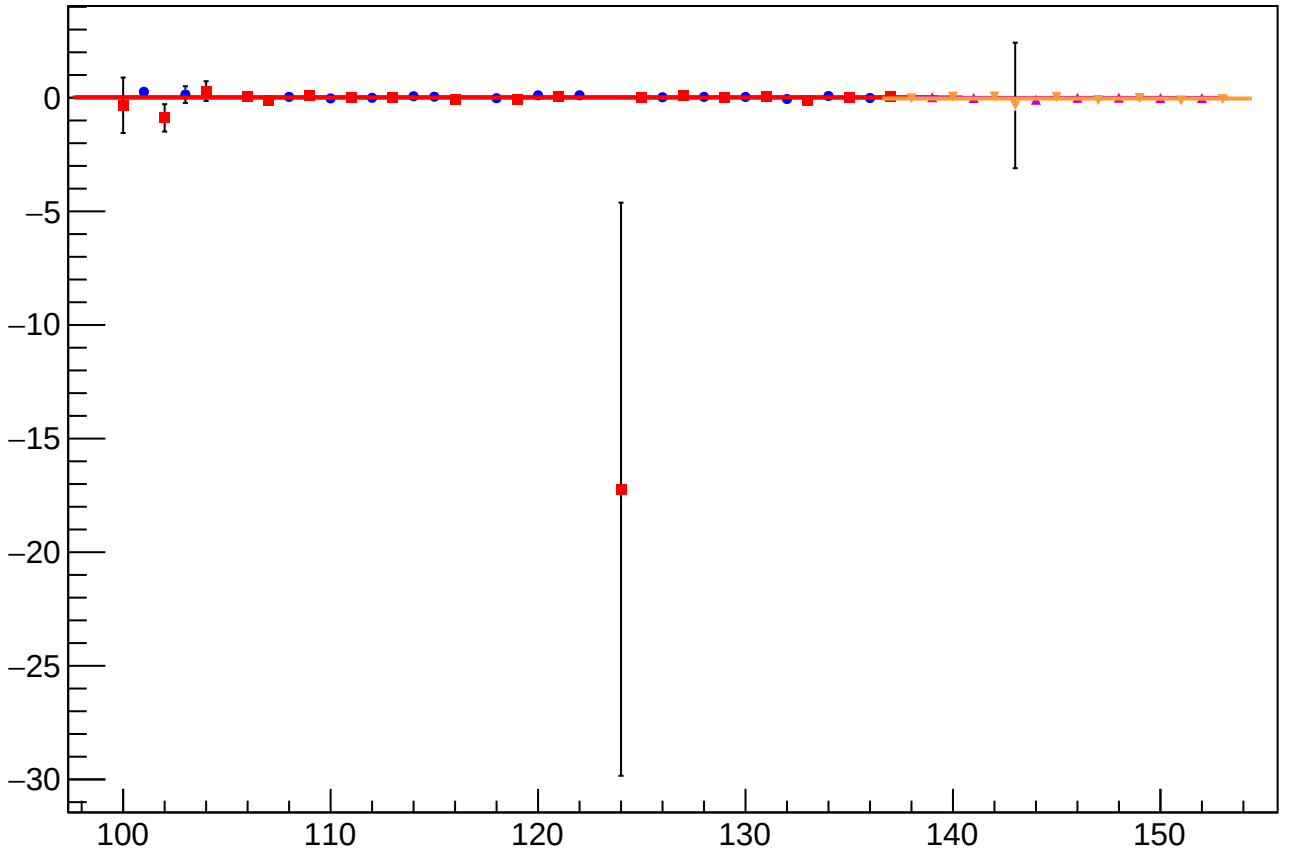
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:566513.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 4495290.6/24

All: 0.000+/-0.000 χ^2/NDF: 8751699.3/50

- sign 0.000+/-0.000 χ^2/NDF: 4242031.7/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.014 χ^2/NDF:15.2/8

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

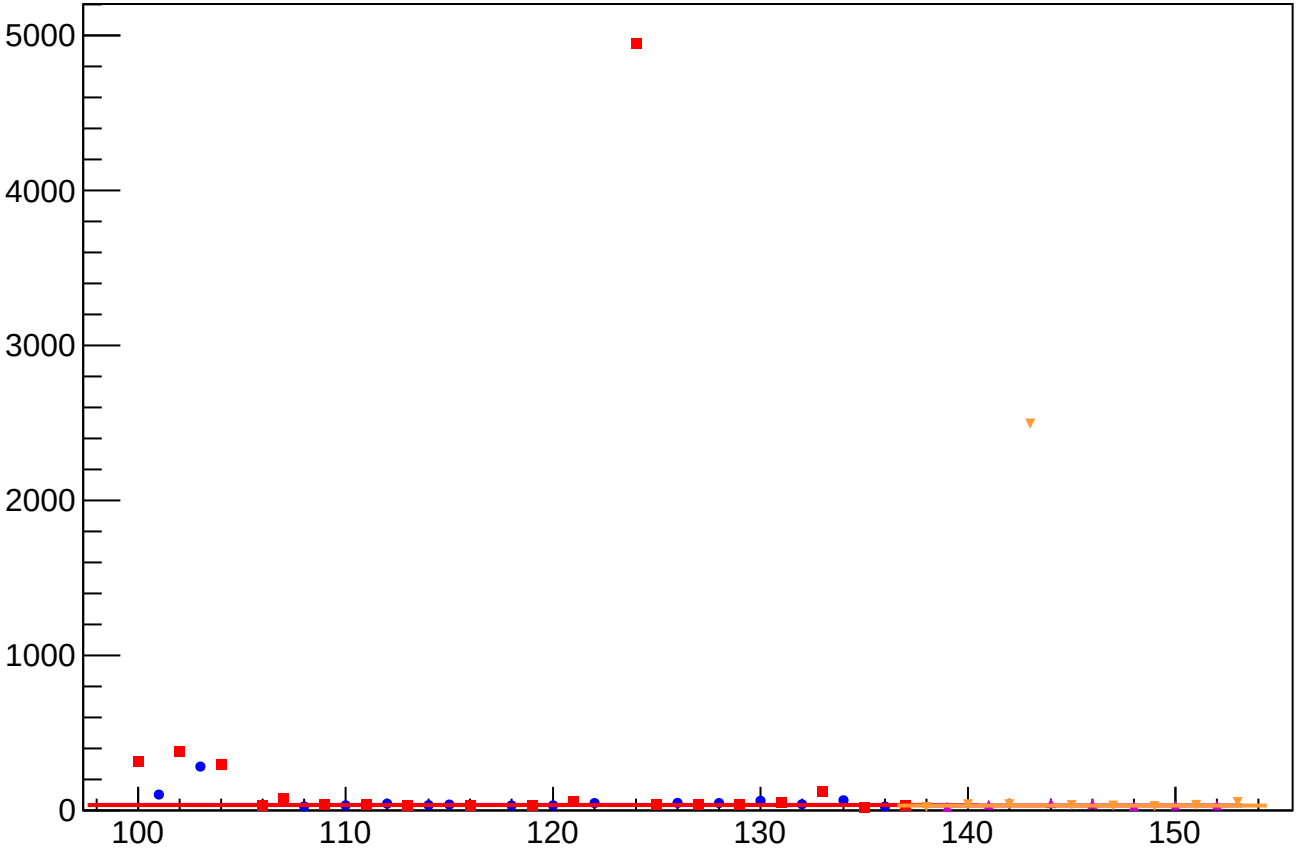
Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.011+/-0.010 χ^2/NDF: 32.5/24

All: -0.004+/-0.007 χ^2/NDF: 53.9/50

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.564+/-0.010 χ^2/NDF:2214818.7/8

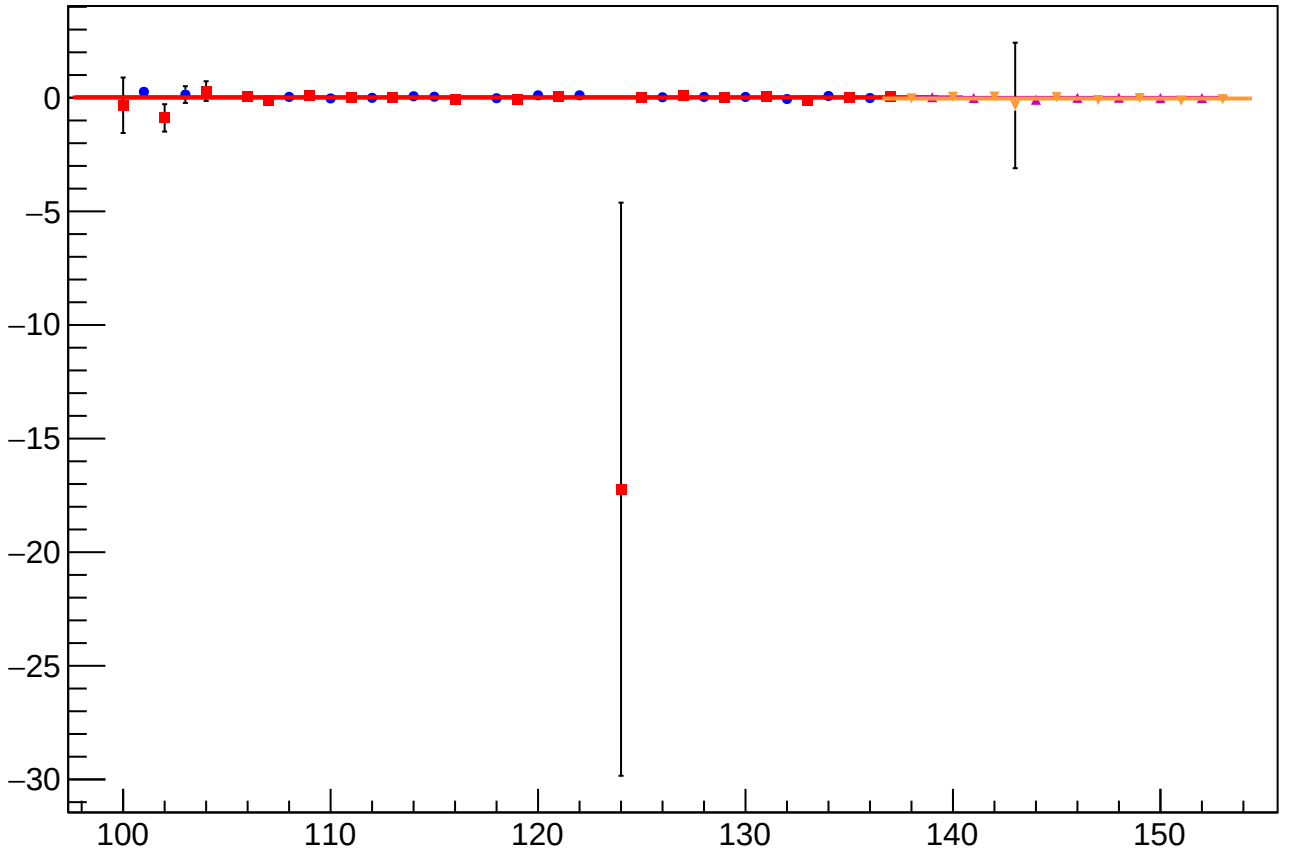
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

+ sign 33.445+/-0.007 χ^2/NDF: 4560054.5/24

All: 33.502+/-0.005 χ^2/NDF: 7978979.2/50

- sign 33.562+/-0.008 χ^2/NDF: 3418799.3/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.014 χ^2/NDF:15.2/8

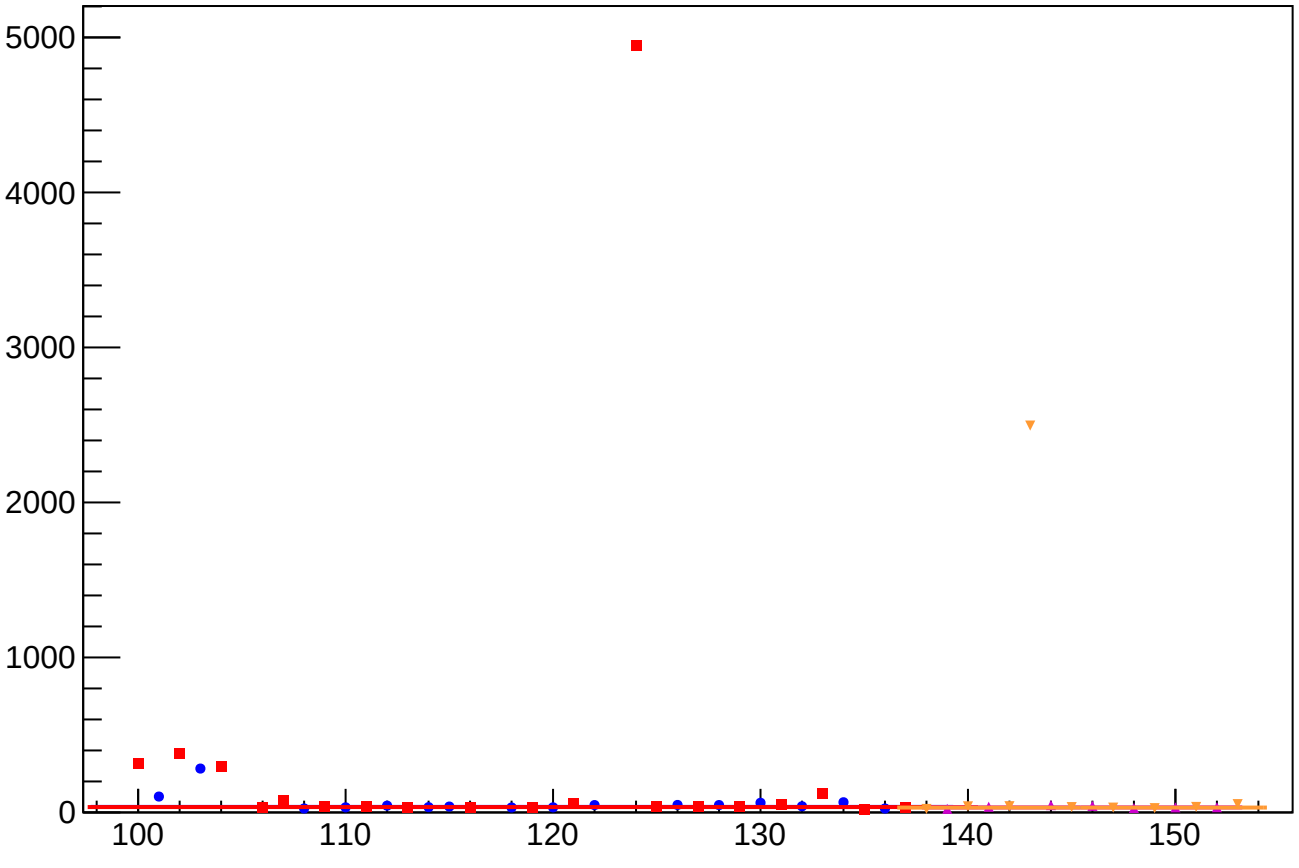
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.011+/-0.010 χ^2/NDF: 32.5/24

All: -0.004+/-0.007 χ^2/NDF: 53.9/50

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.564+/-0.010 χ^2/NDF:2214818.7/8

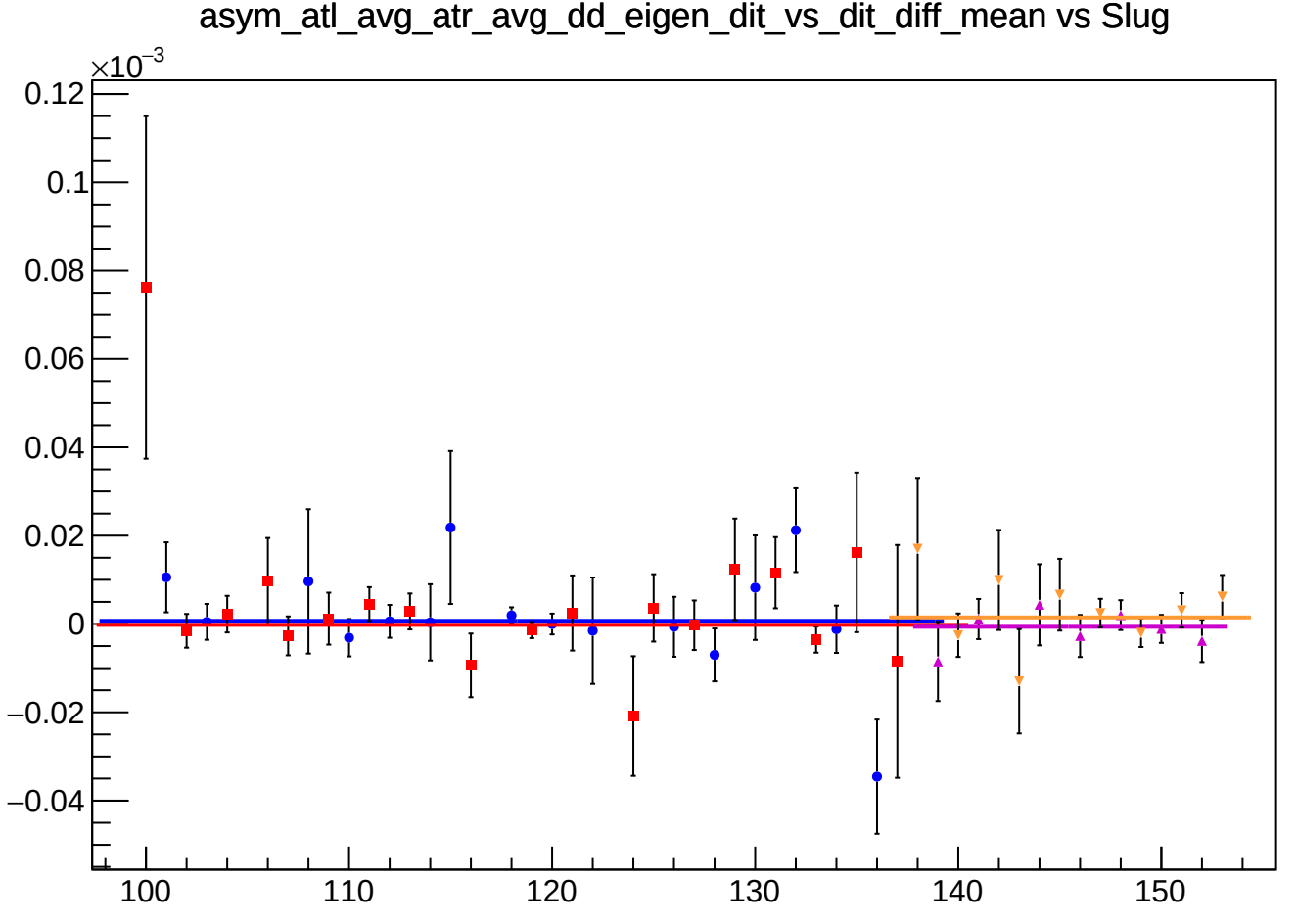
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

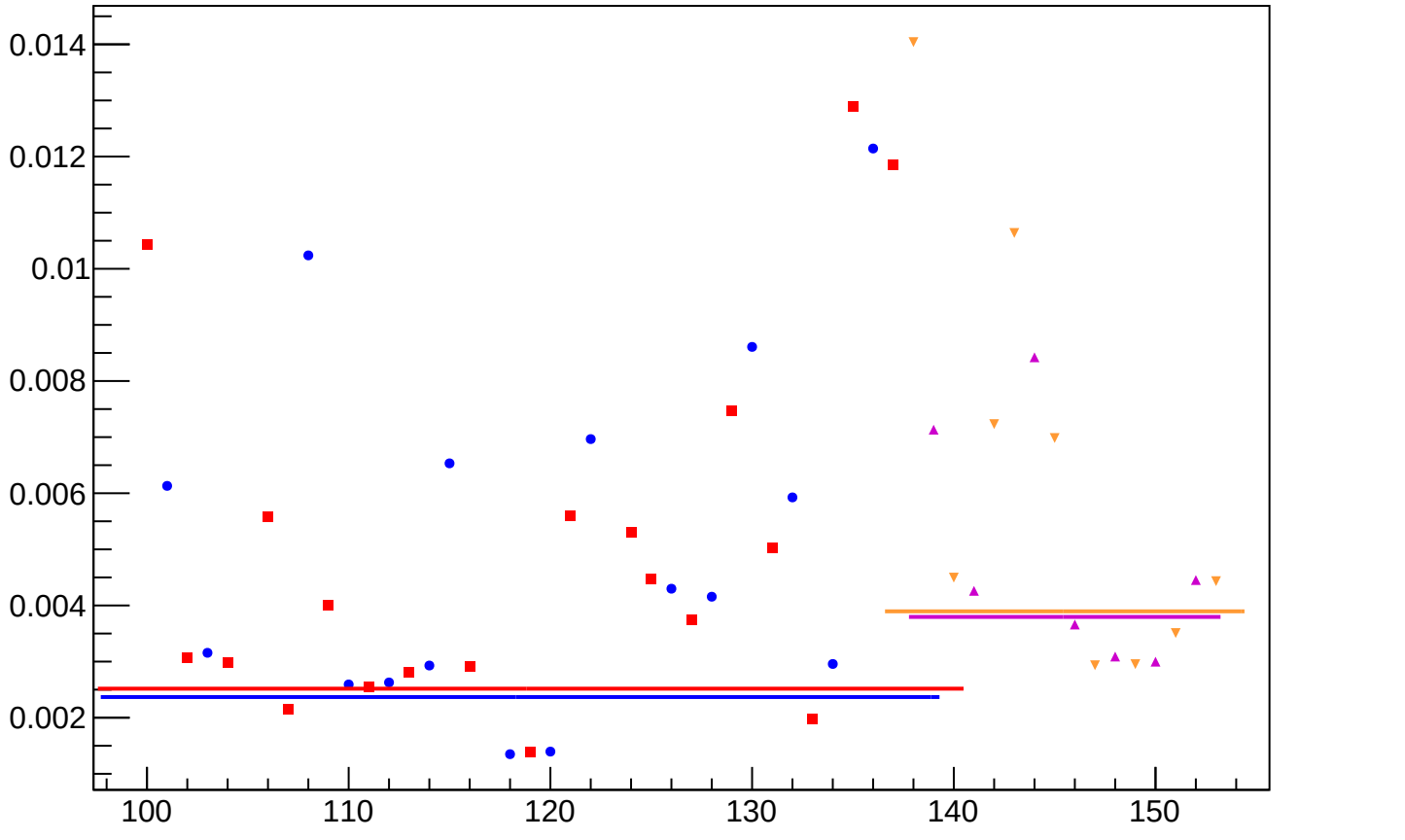
Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

+ sign 33.445+/-0.007 χ^2/NDF: 4560054.5/24

All: 33.502+/-0.005 χ^2/NDF: 7978979.2/50

- sign 33.562+/-0.008 χ^2/NDF: 3418799.3/25


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:6.4/8
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: -0.000+/-0.000 χ²/NDF:2.5/6
+ sign 0.000+/-0.000 χ²/NDF: 25.7/24
All: 0.000+/-0.000 χ²/NDF: 47.3/50
- sign -0.000+/-0.000 χ²/NDF: 20.6/25



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2335705.8/8

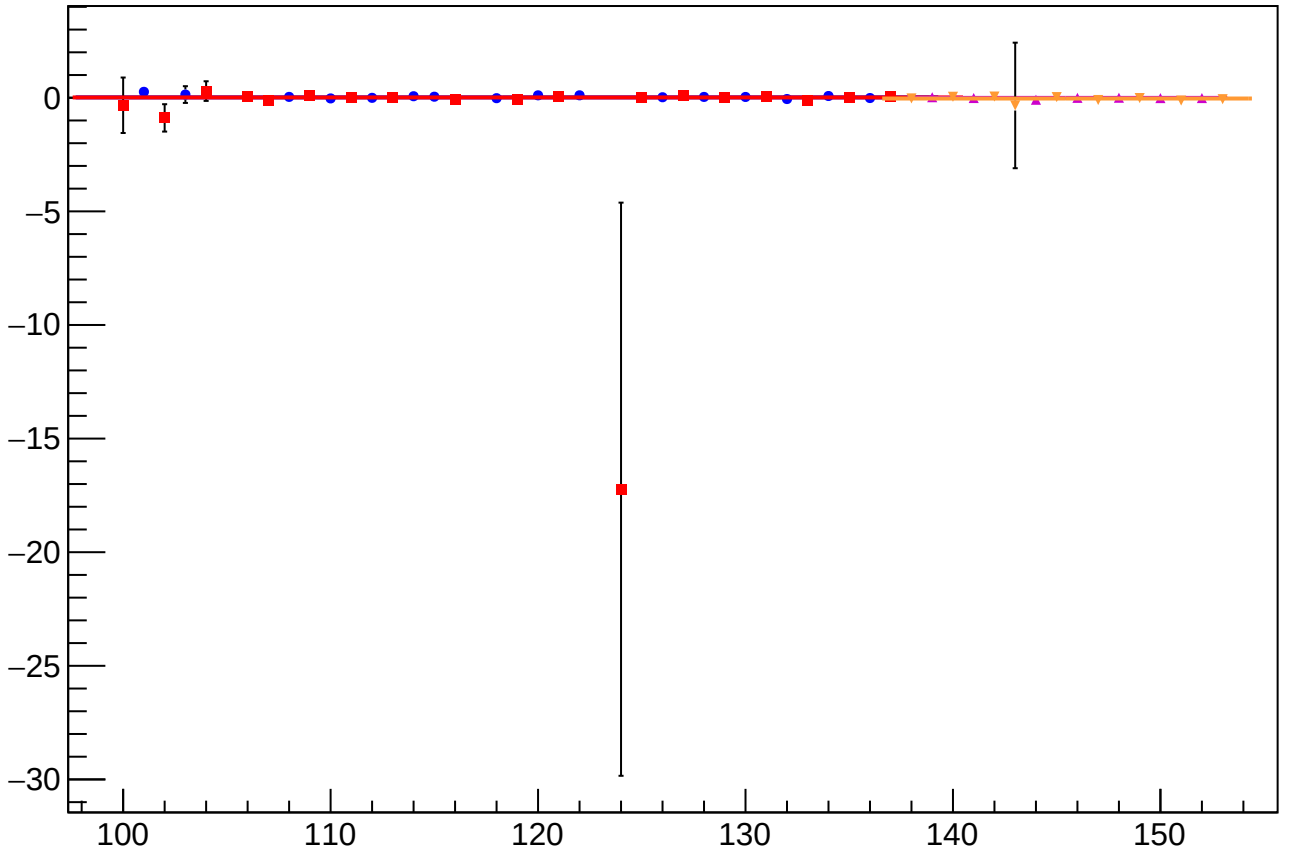
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1057970.7/6

+ sign 0.003+/-0.000 χ^2/NDF: 8256649.0/24

All: 0.003+/-0.000 χ^2/NDF: 13528920.9/50

- sign 0.003+/-0.000 χ^2/NDF: 5271188.7/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.014 χ^2/NDF:15.2/8

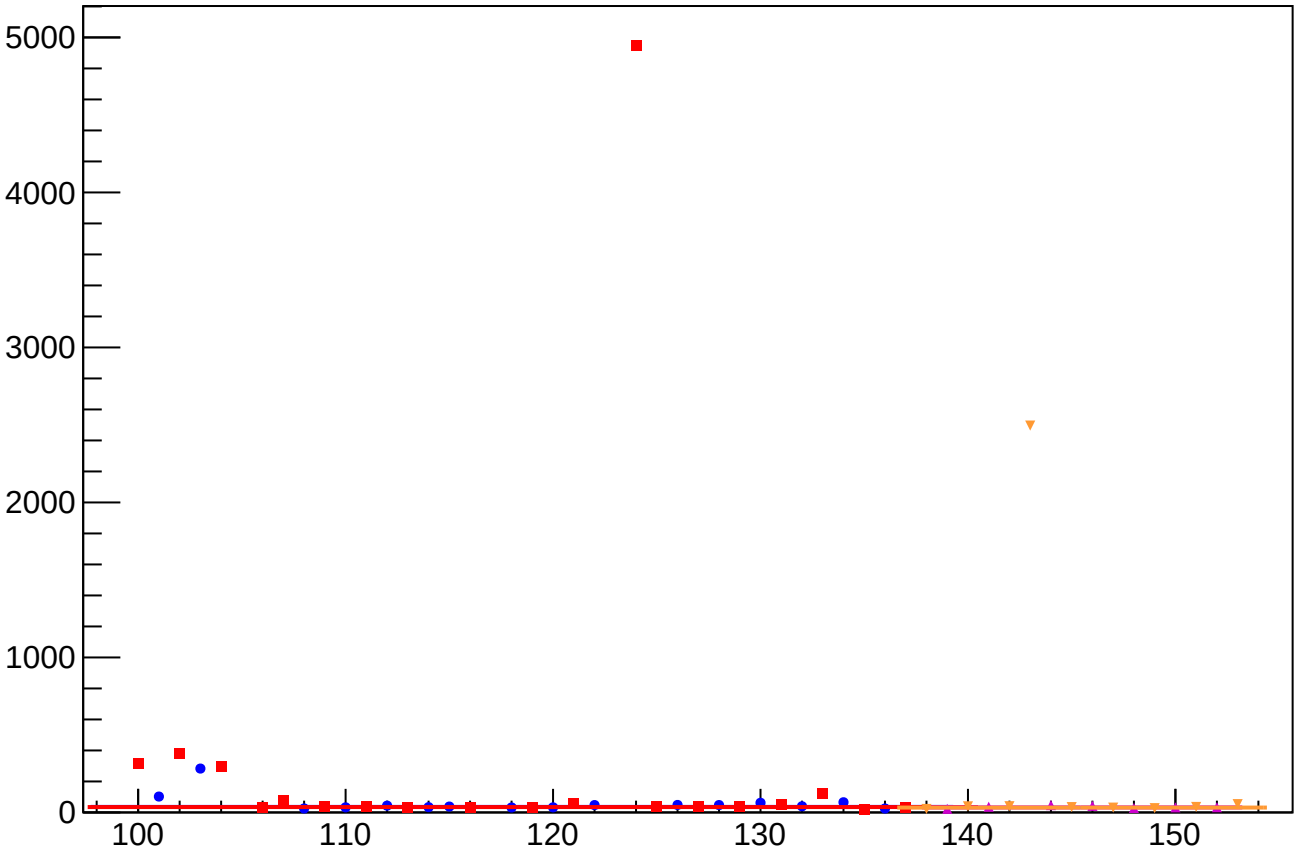
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.011+/-0.010 χ^2/NDF: 32.5/24

All: -0.004+/-0.007 χ^2/NDF: 53.9/50

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.563+/-0.010 χ^2/NDF:2215074.9/8

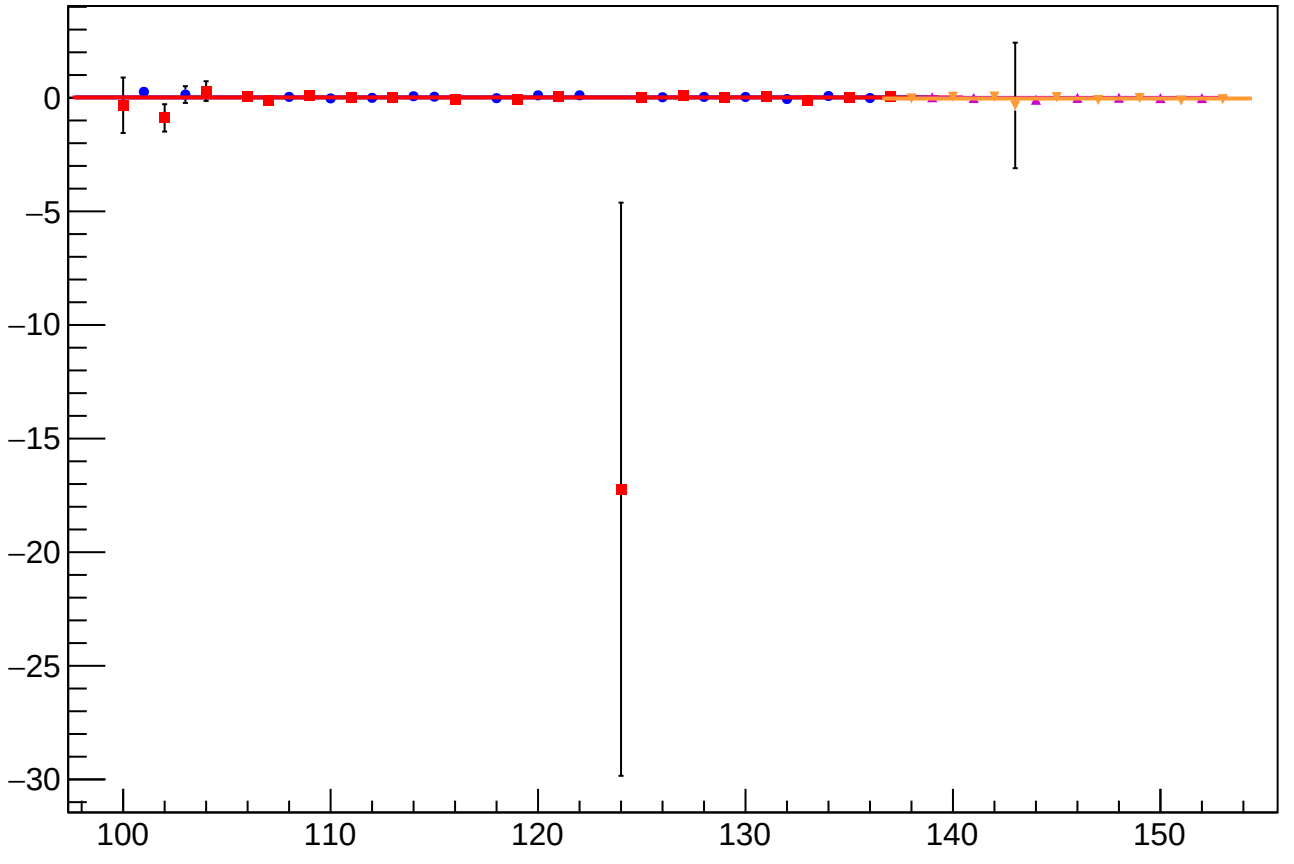
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

+ sign 33.445+/-0.007 χ^2/NDF: 4560096.2/24

All: 33.502+/-0.005 χ^2/NDF: 7979239.8/50

- sign 33.562+/-0.008 χ^2/NDF: 3419021.0/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.014 χ^2/NDF:15.2/8

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

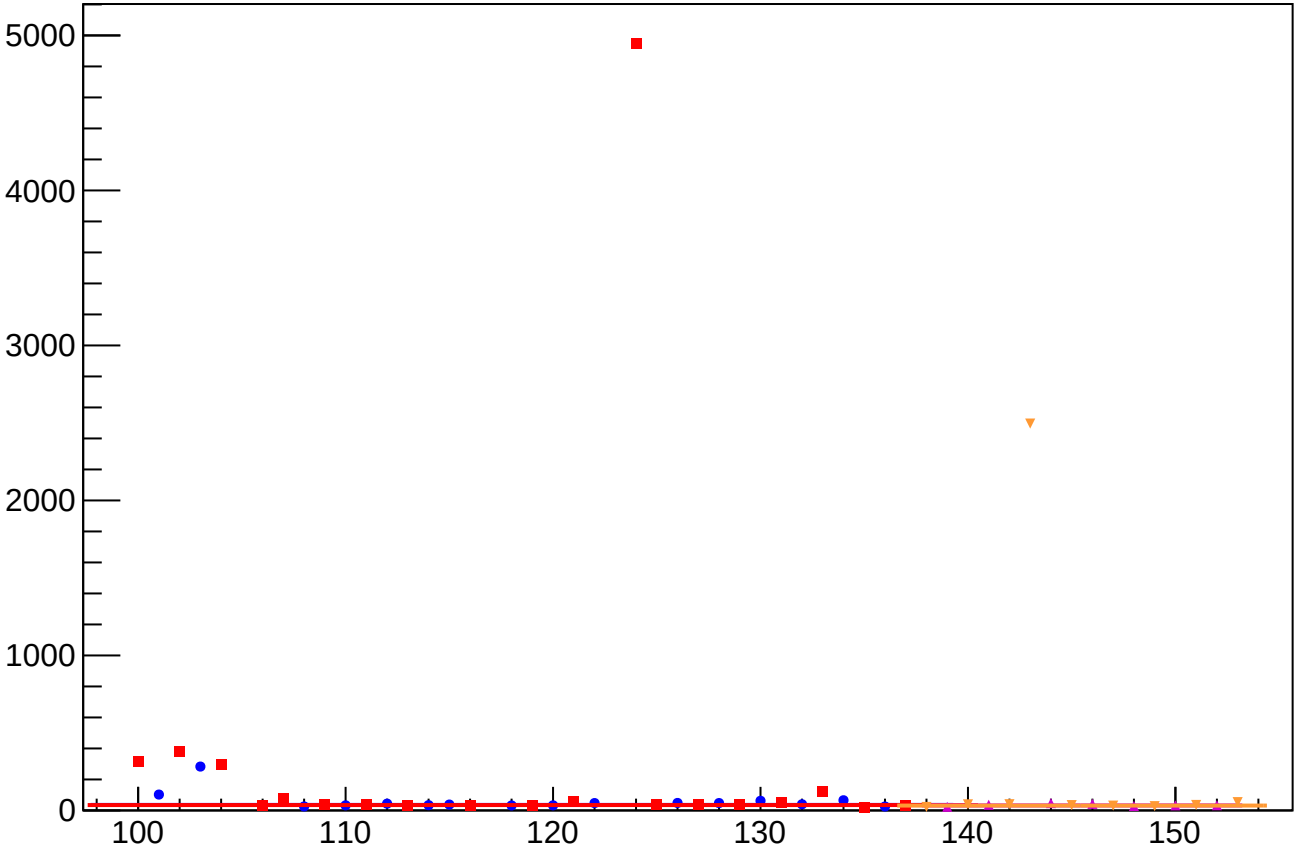
Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.011+/-0.010 χ^2/NDF: 32.5/24

All: -0.004+/-0.007 χ^2/NDF: 53.9/50

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.563+/-0.010 χ^2/NDF:2215074.9/8

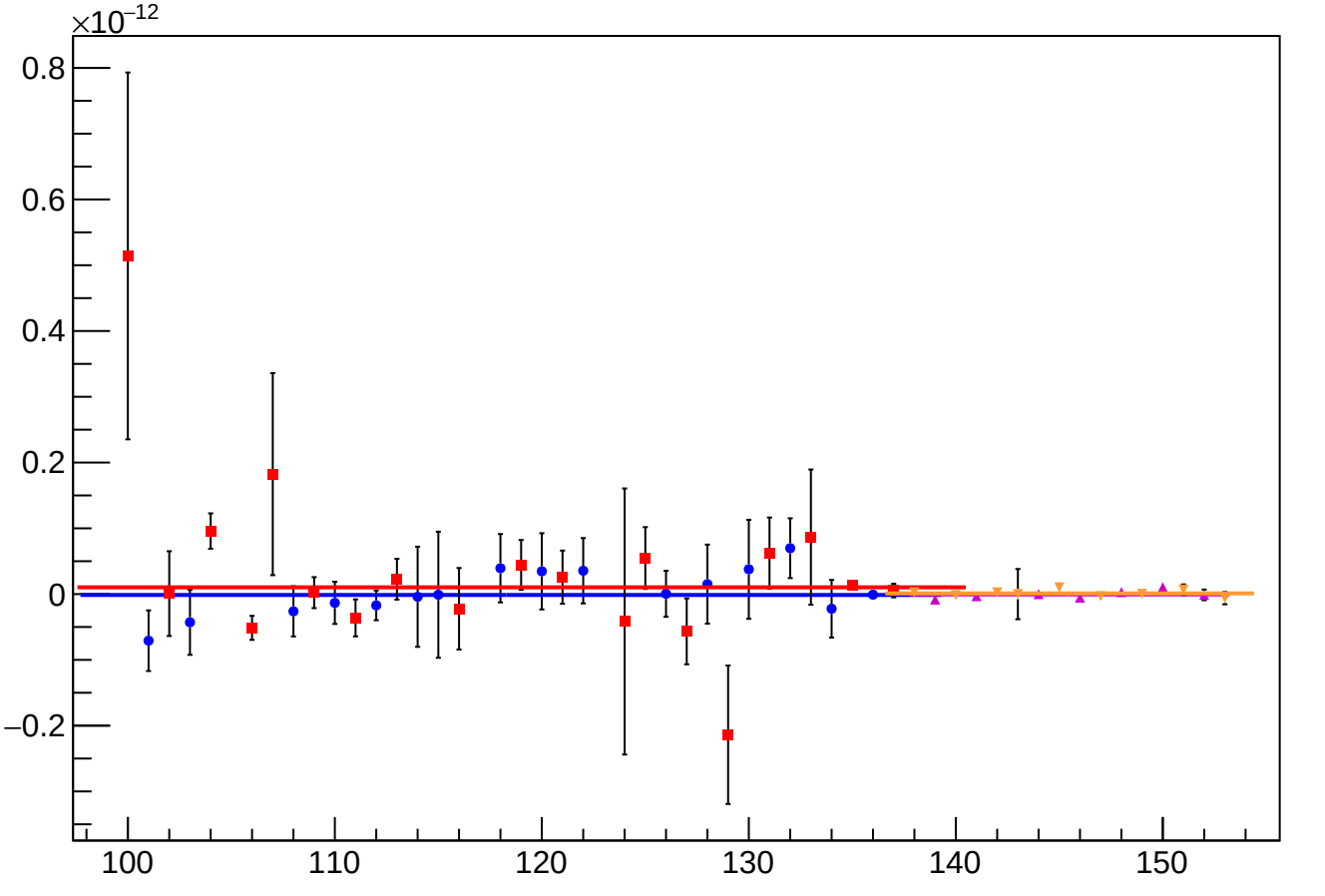
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

+ sign 33.445+/-0.007 χ^2/NDF: 4560096.2/24

All: 33.502+/-0.005 χ^2/NDF: 7979239.8/50

- sign 33.562+/-0.008 χ^2/NDF: 3419021.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/8

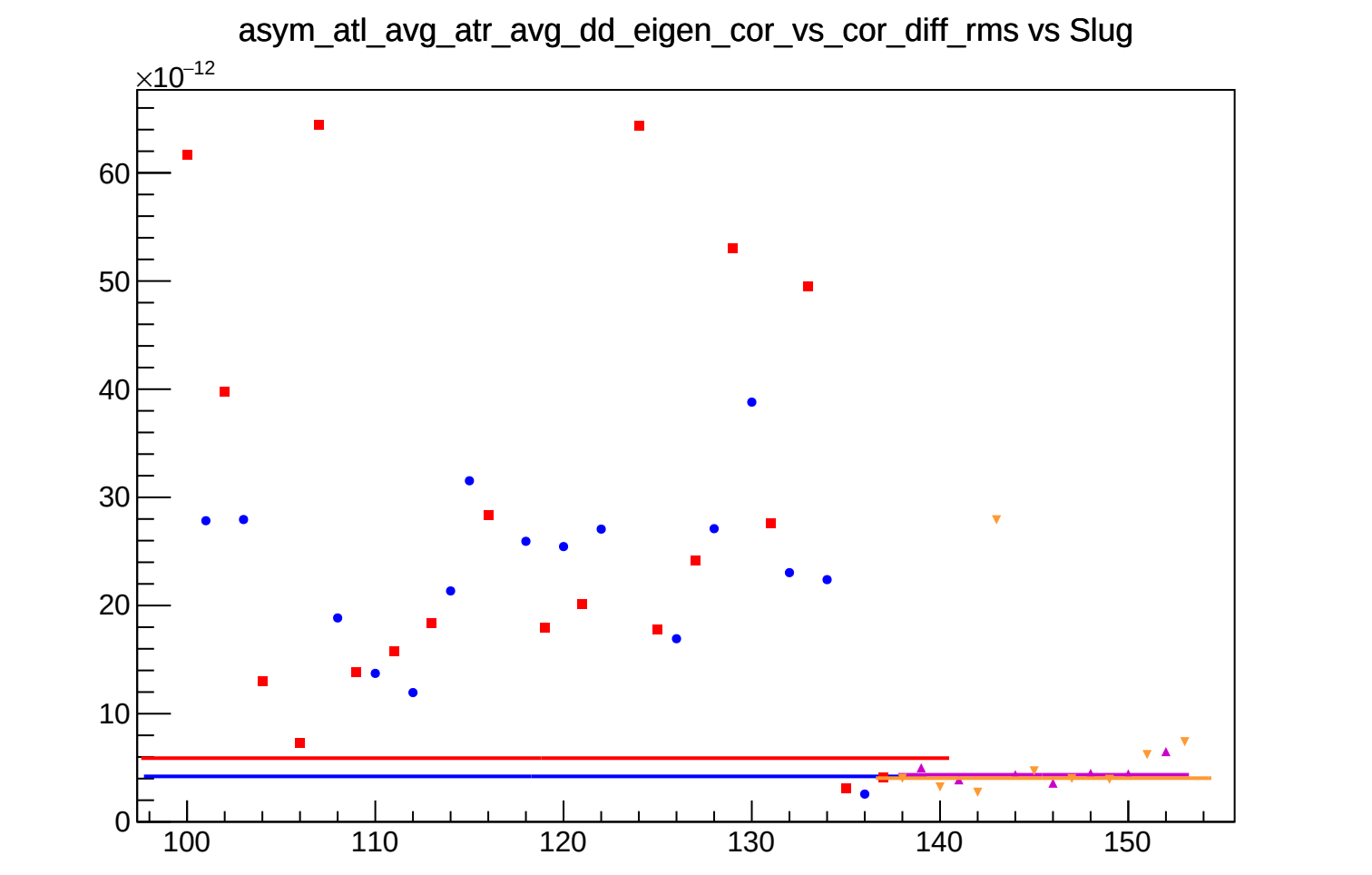
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 13.3/24

All: 0.000+/-0.000 χ^2/NDF: 66.1/50

- sign 0.000+/-0.000 χ^2/NDF: 52.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1425255.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

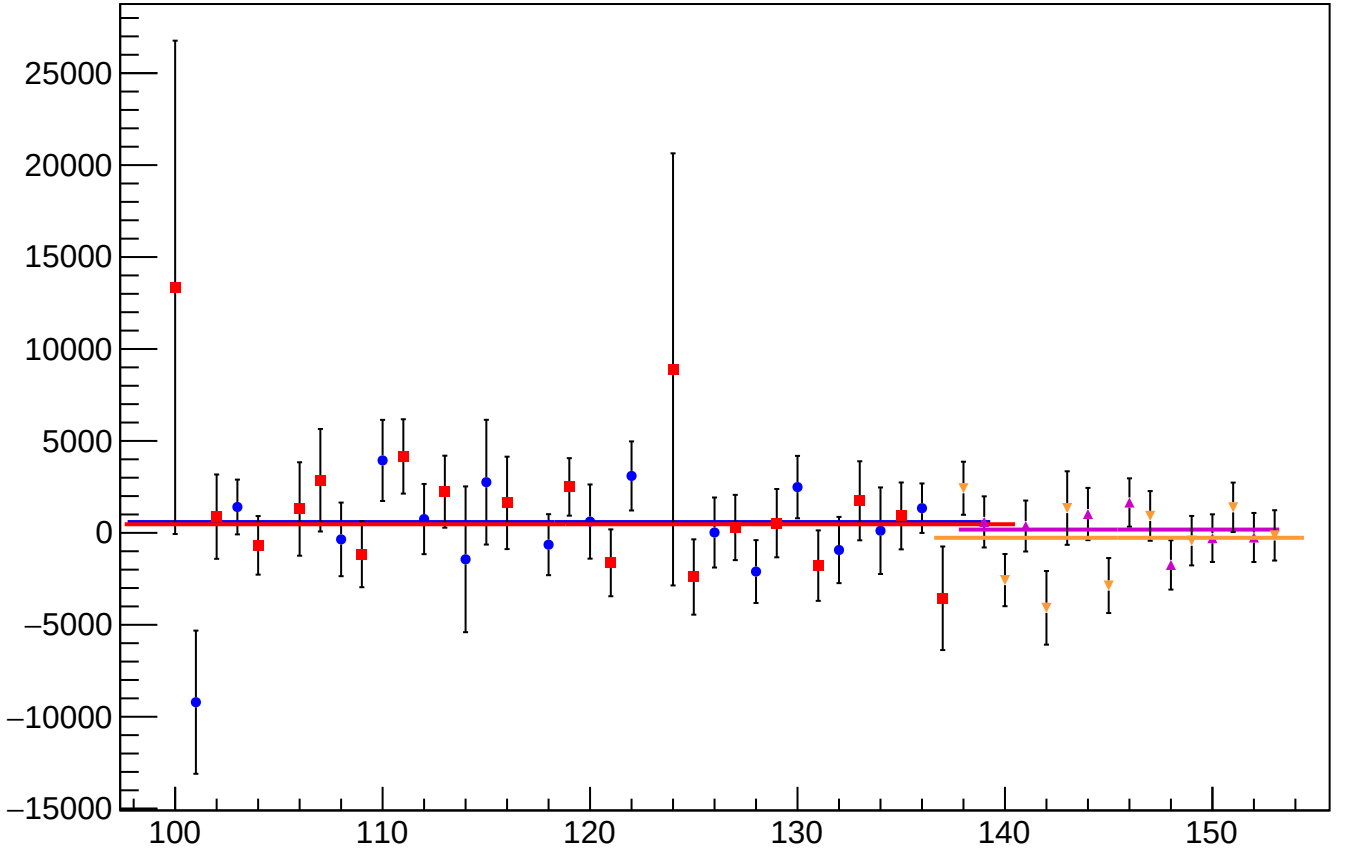
Left In: 0.000+/-0.000 χ^2/NDF:232556.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 6508935.6/24

All: 0.000+/-0.000 χ^2/NDF: 11923778.8/50

- sign 0.000+/-0.000 χ^2/NDF: 5308356.3/25

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.399+/-493.125 χ^2/NDF:15.7/8

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

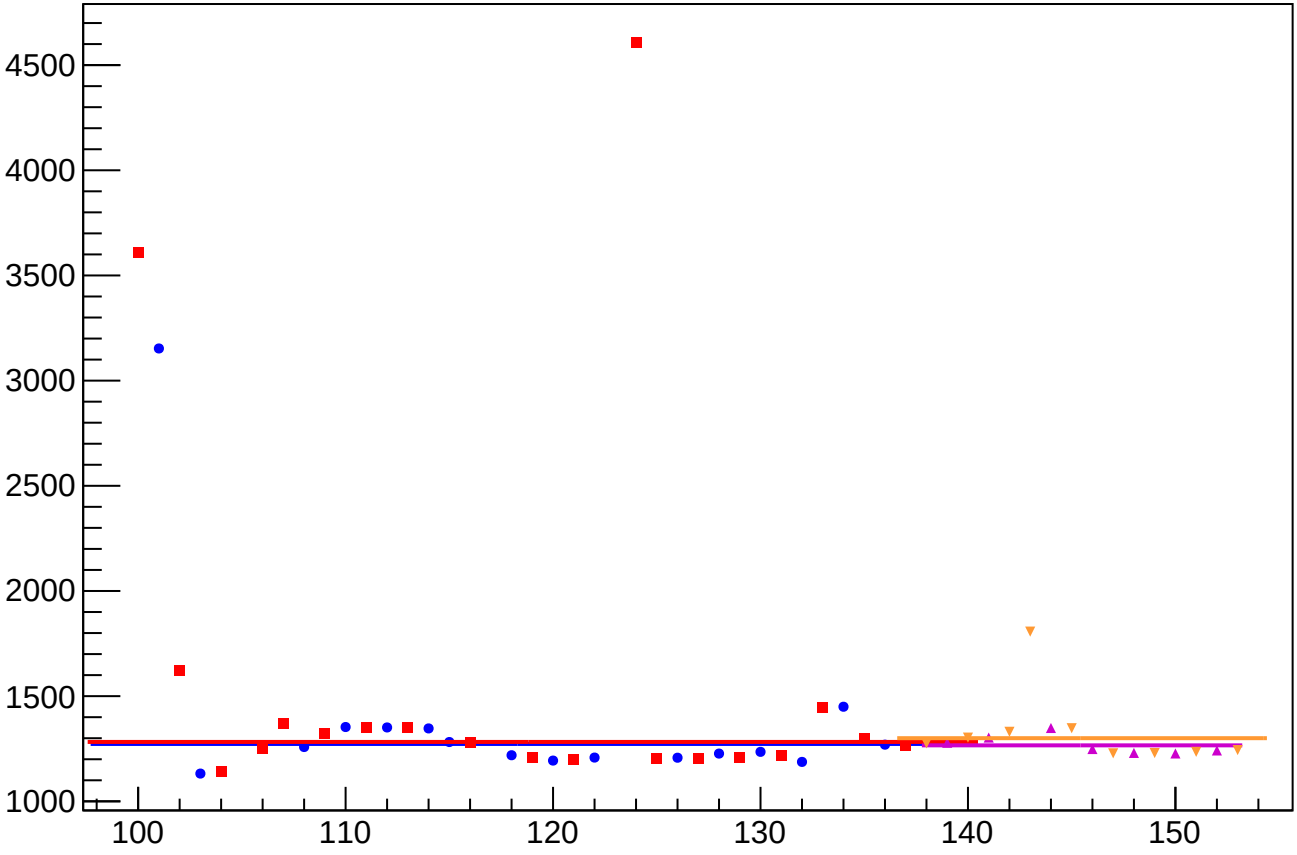
Left In: 178.905+/-511.253 χ^2/NDF:4.0/6

+ sign 168.641+/-344.850 χ^2/NDF: 34.3/24

All: 249.541+/-245.694 χ^2/NDF: 55.5/50

- sign 332.941+/-350.138 χ^2/NDF: 21.0/25

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

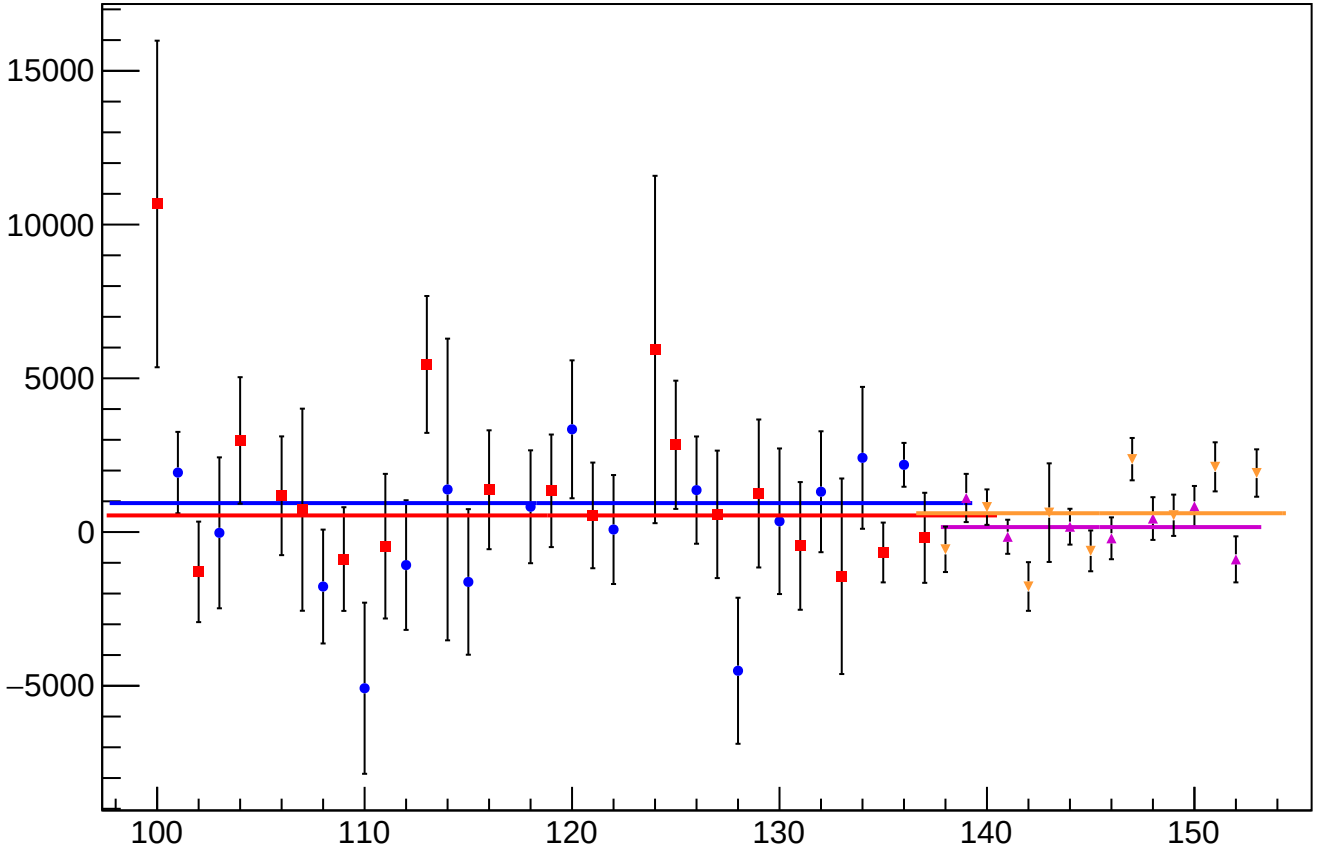
Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1286.200+/-0.244 χ^2/NDF: 673161.0/24

All: 1280.557+/-0.174 χ^2/NDF: 1009965.6/50

- sign 1274.740+/-0.248 χ^2/NDF: 335717.1/25

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 611.956+/-244.878 χ^2/NDF:28.1/8

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

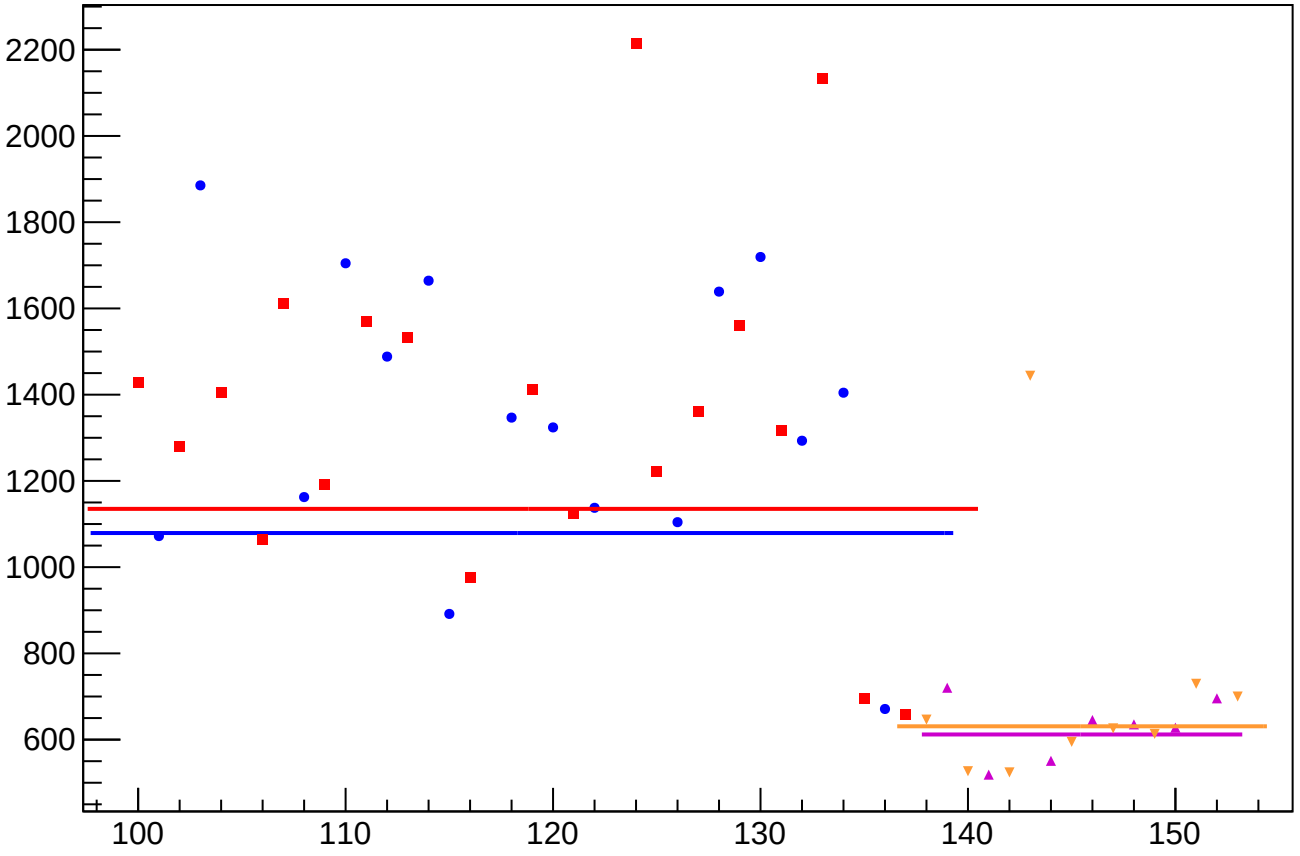
Left In: 161.627+/-249.140 χ^2/NDF:5.2/6

+ sign 693.915+/-212.282 χ^2/NDF: 48.4/24

All: 478.414+/-151.674 χ^2/NDF: 73.5/50

- sign 253.668+/-216.787 χ^2/NDF: 23.0/25

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 630.898+/-0.173 χ^2/NDF:670668.8/8

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

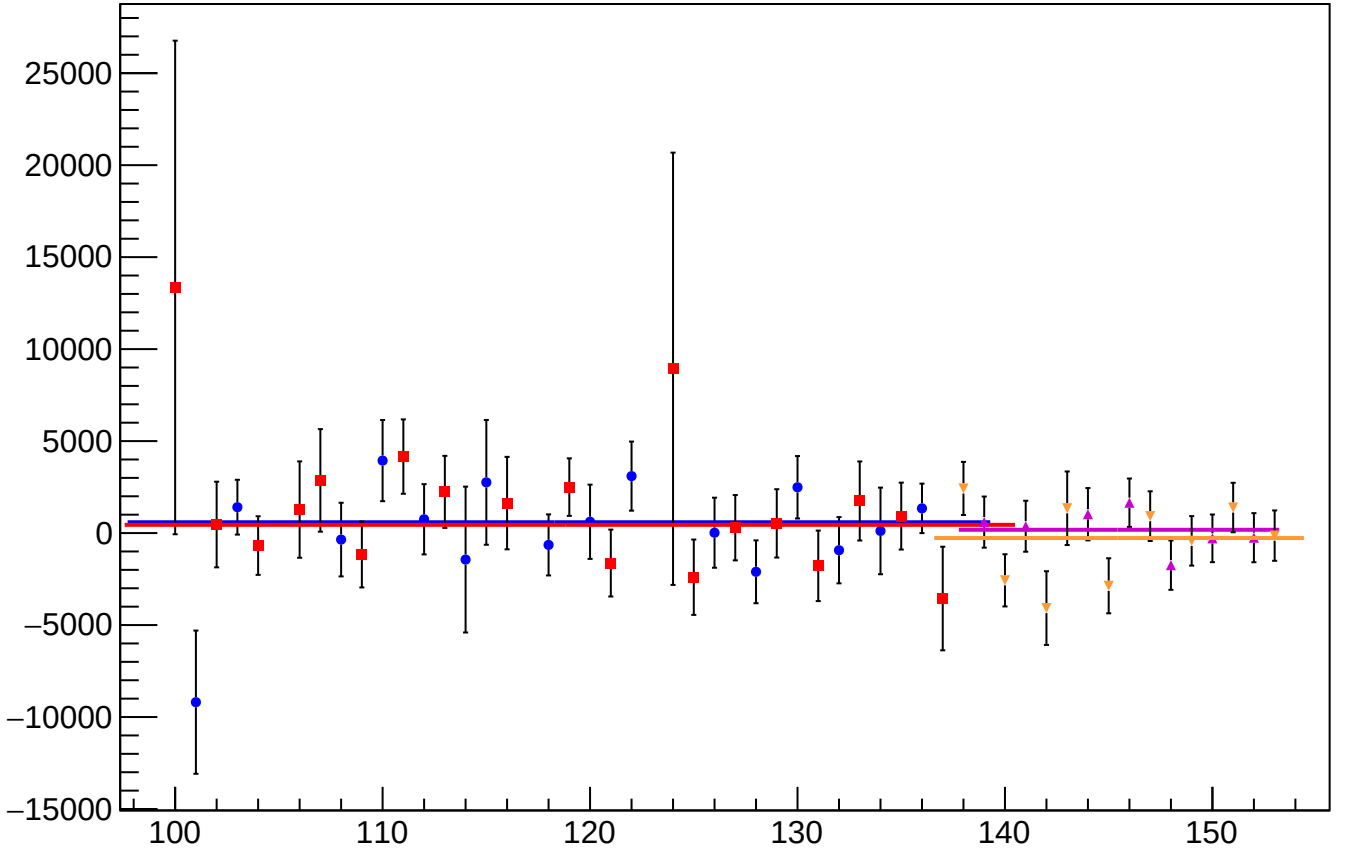
Left In: 611.959+/-0.176 χ^2/NDF:150058.6/6

\+ sign 742.284+/-0.150 χ^2/NDF: 3818056.4/24

All: 740.687+/-0.107 χ^2/NDF: 7403481.2/50

\- sign 739.021+/-0.153 χ^2/NDF: 3585193.5/25

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.497+/-493.125 χ^2/NDF:15.7/8

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

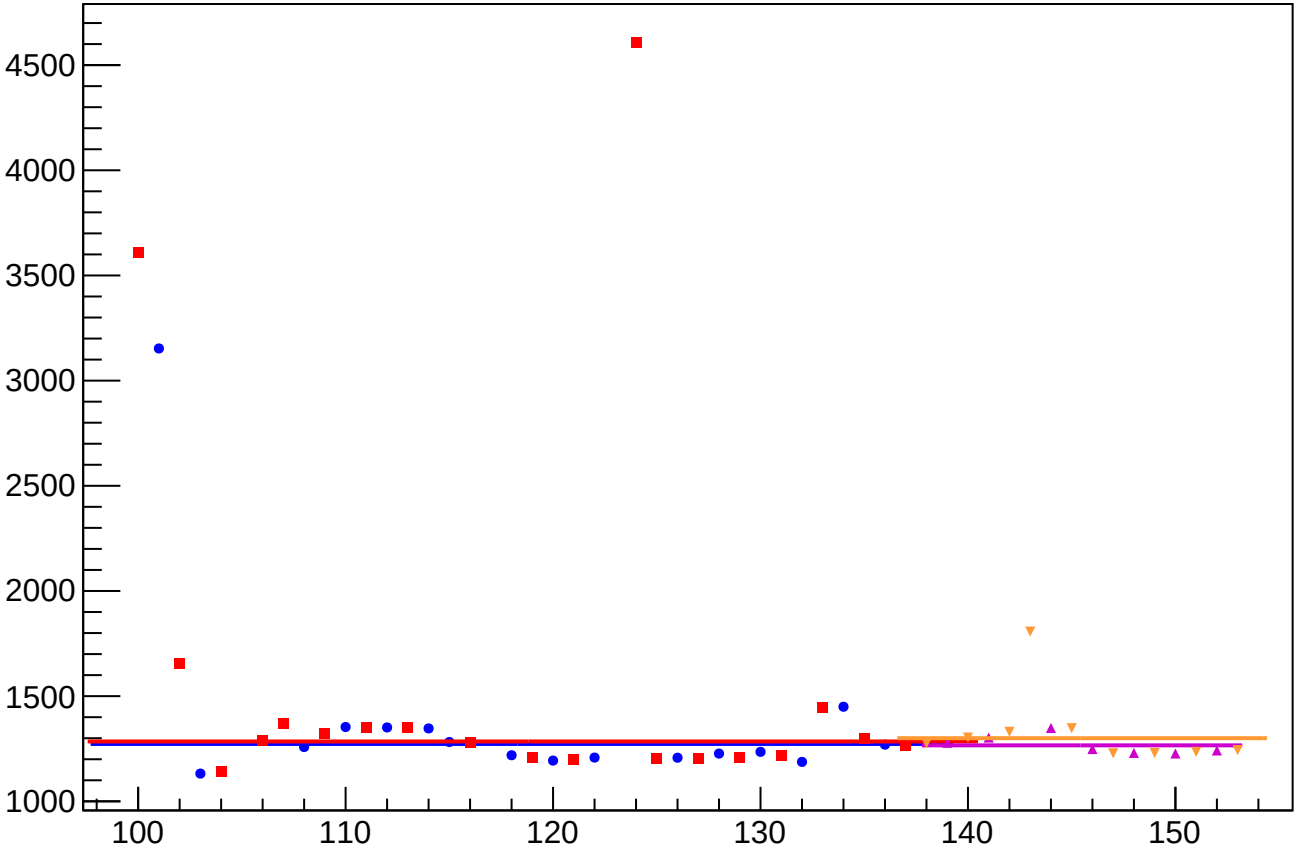
Left In: 178.935+/-511.253 χ^2/NDF:4.0/6

+ sign 168.756+/-344.850 χ^2/NDF: 34.3/24

All: 244.039+/-245.803 χ^2/NDF: 55.4/50

- sign 321.789+/-350.454 χ^2/NDF: 21.0/25

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

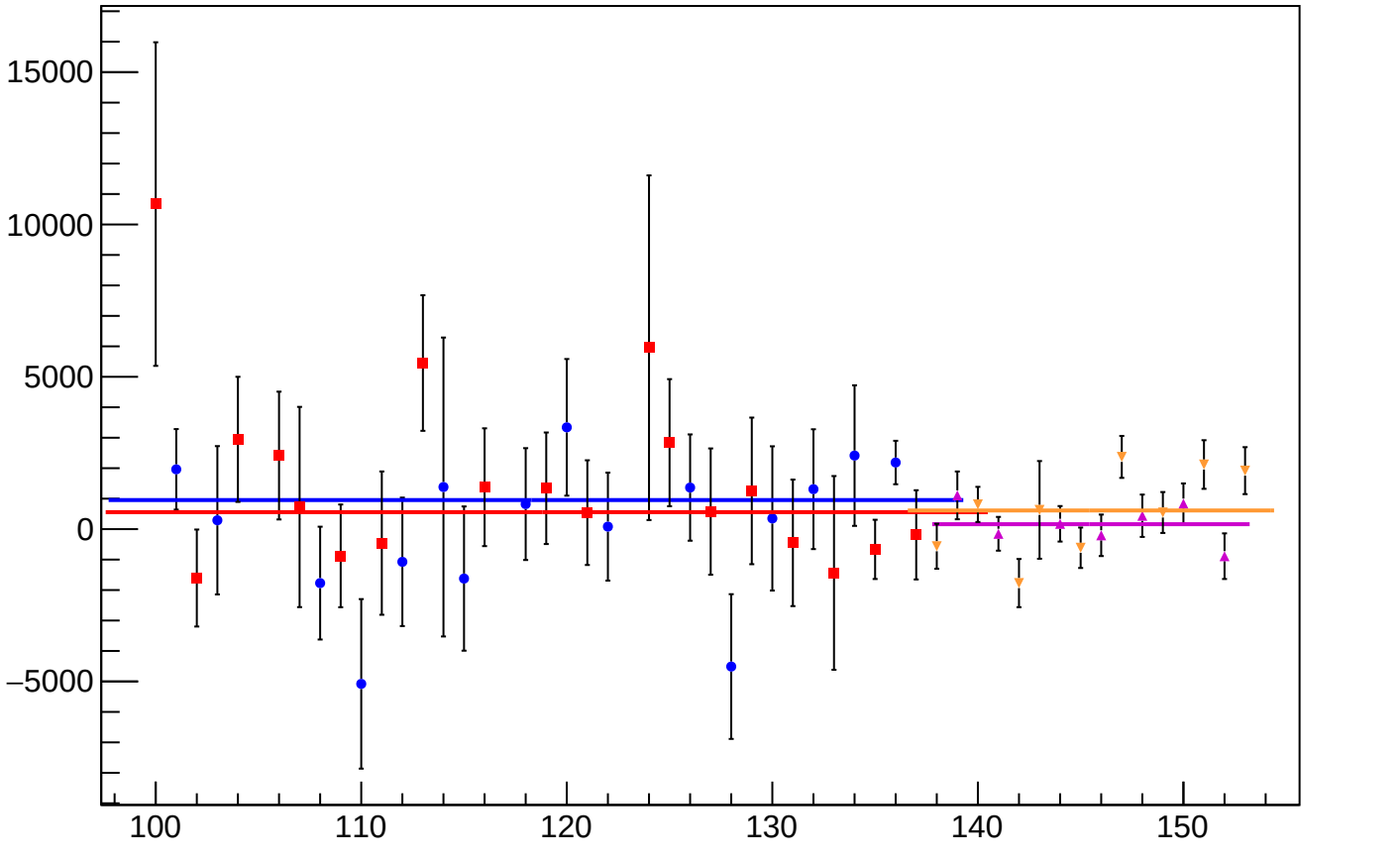
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1286.200+/-0.244 χ^2/NDF: 673162.5/24

All: 1281.153+/-0.174 χ^2/NDF: 1016728.2/50

- sign 1275.940+/-0.248 χ^2/NDF: 342694.9/25



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 611.945+/-244.881 χ^2/NDF:28.1/8

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

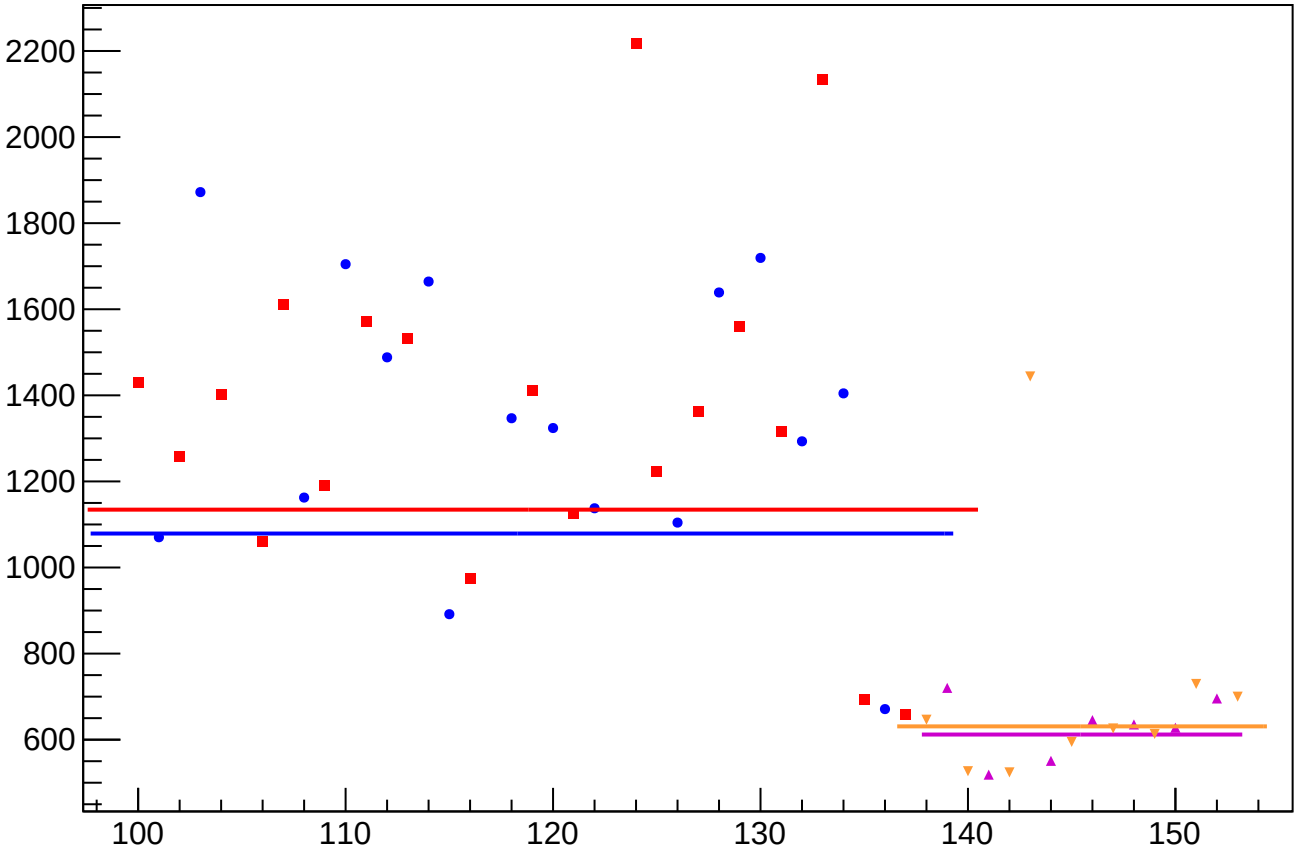
Left In: 161.691+/-249.138 χ^2/NDF:5.2/6

+ sign 697.039+/-212.262 χ^2/NDF: 48.4/24

All: 482.074+/-151.701 χ^2/NDF: 74.8/50

- sign 257.638+/-216.887 χ^2/NDF: 24.2/25

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 630.907+/-0.173 χ^2/NDF:670590.6/8

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

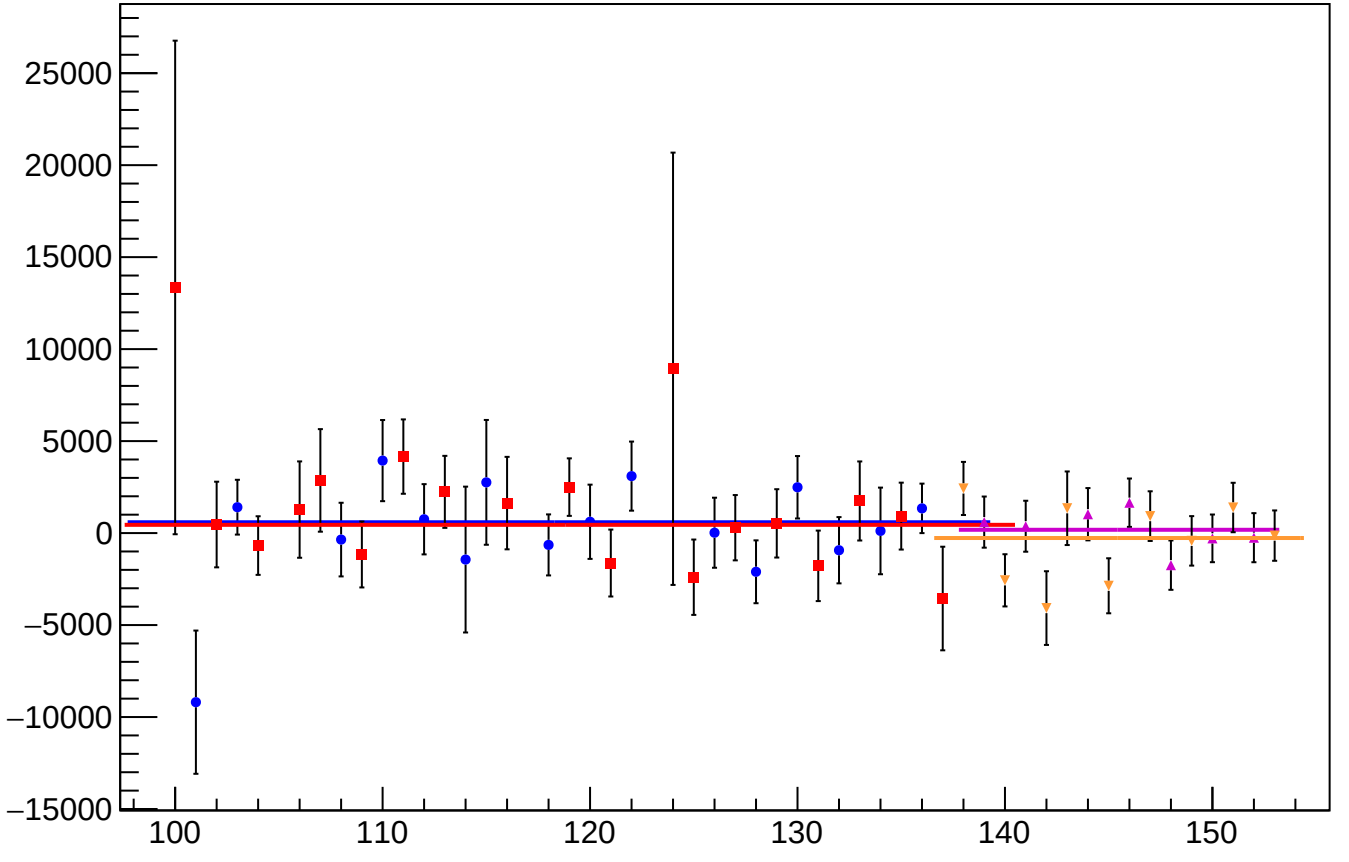
Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

+ sign 742.316+/-0.150 χ^2/NDF: 3814027.2/24

All: 740.432+/-0.107 χ^2/NDF: 7383179.6/50

- sign 738.465+/-0.153 χ^2/NDF: 3568830.4/25

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.497+/-493.125 χ^2/NDF:15.7/8

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

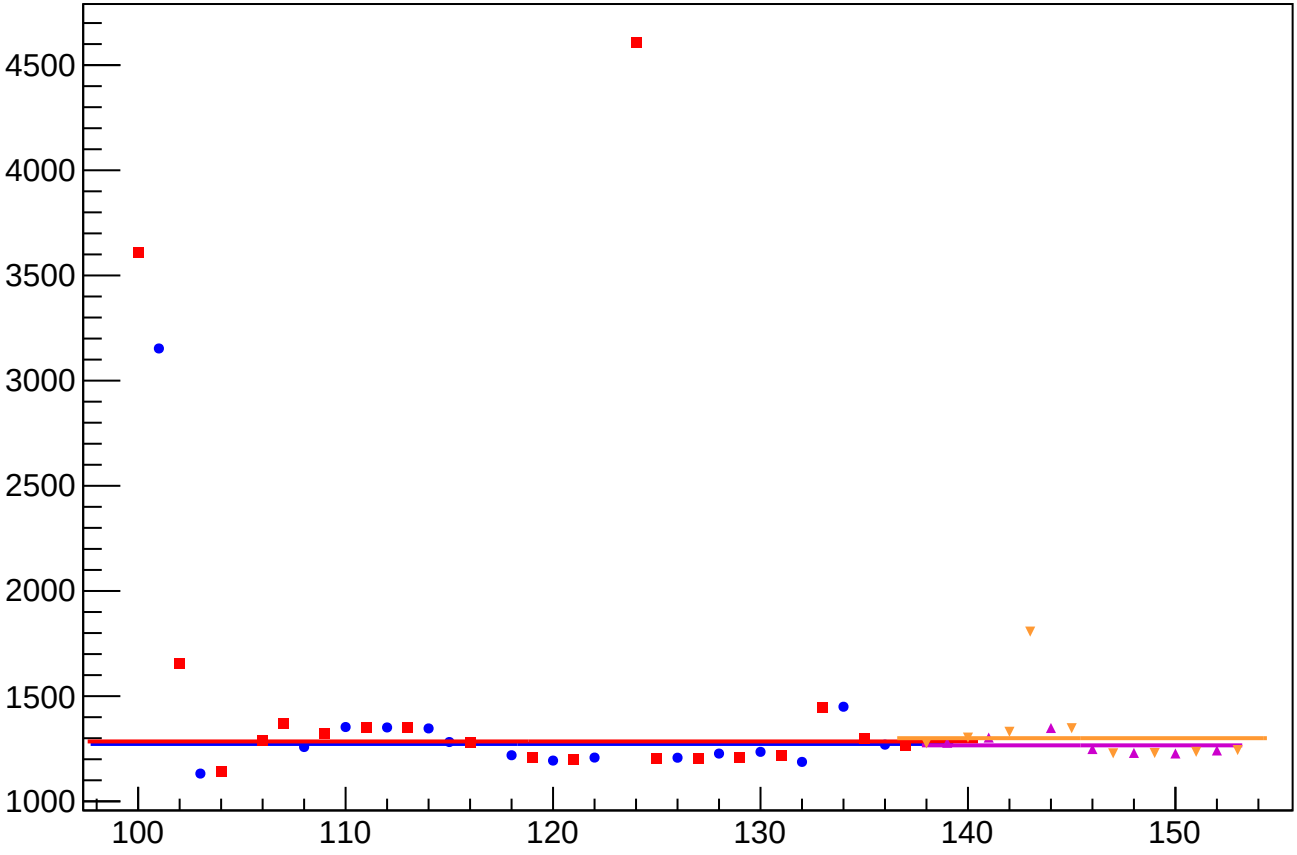
Left In: 178.935+/-511.253 χ^2/NDF:4.0/6

\+ sign 168.756+/-344.850 χ^2/NDF: 34.3/24

All: 244.039+/-245.803 χ^2/NDF: 55.4/50

\- sign 321.789+/-350.454 χ^2/NDF: 21.0/25

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

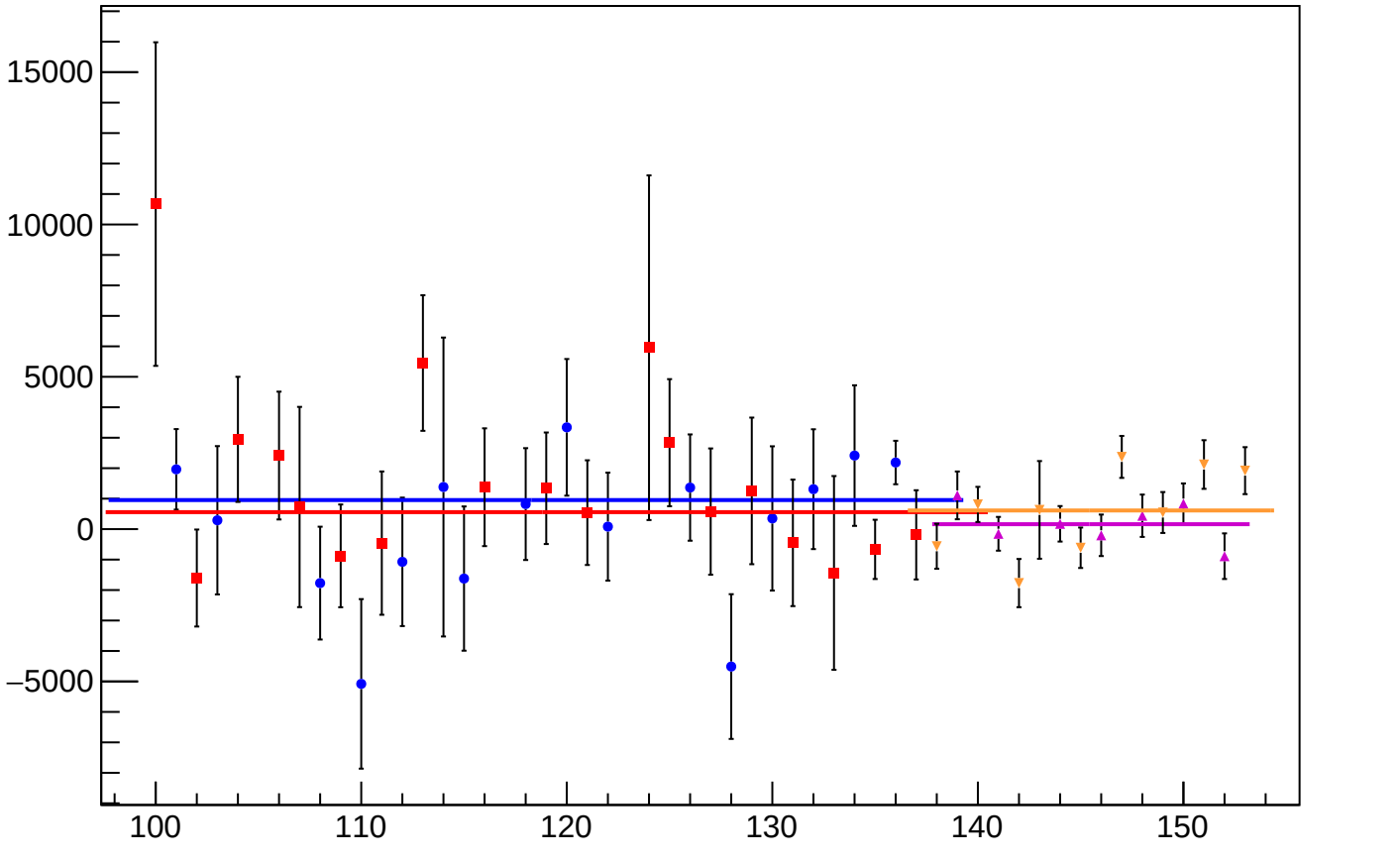
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1286.200+/-0.244 χ^2/NDF: 673162.5/24

All: 1281.153+/-0.174 χ^2/NDF: 1016728.2/50

- sign 1275.940+/-0.248 χ^2/NDF: 342694.9/25



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 611.945+/-244.881 χ^2/NDF:28.1/8

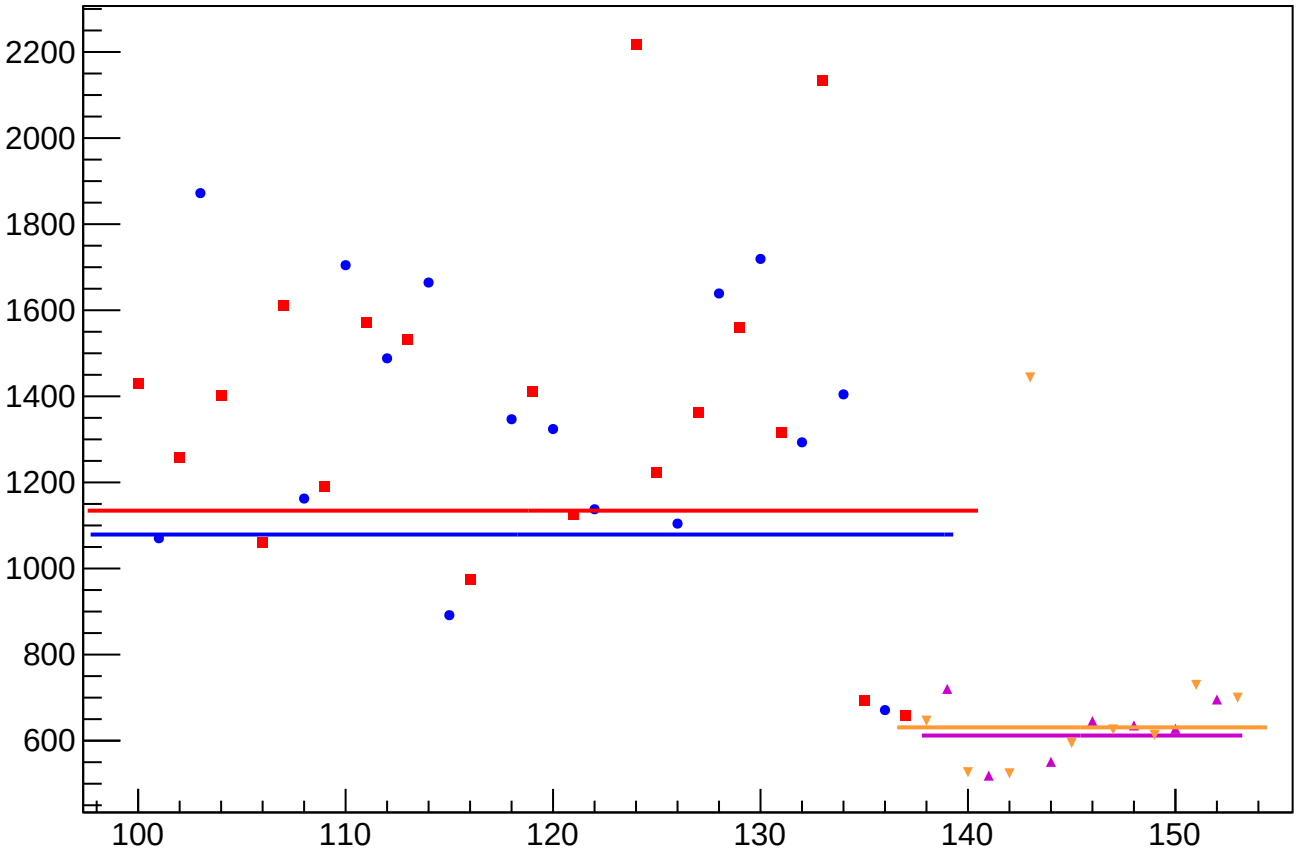
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 161.691+/-249.138 χ^2/NDF:5.2/6

+ sign 697.039+/-212.262 χ^2/NDF: 48.4/24

All: 482.074+/-151.701 χ^2/NDF: 74.8/50

- sign 257.638+/-216.887 χ^2/NDF: 24.2/25



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 630.907+/-0.173 χ^2/NDF:670590.6/8

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

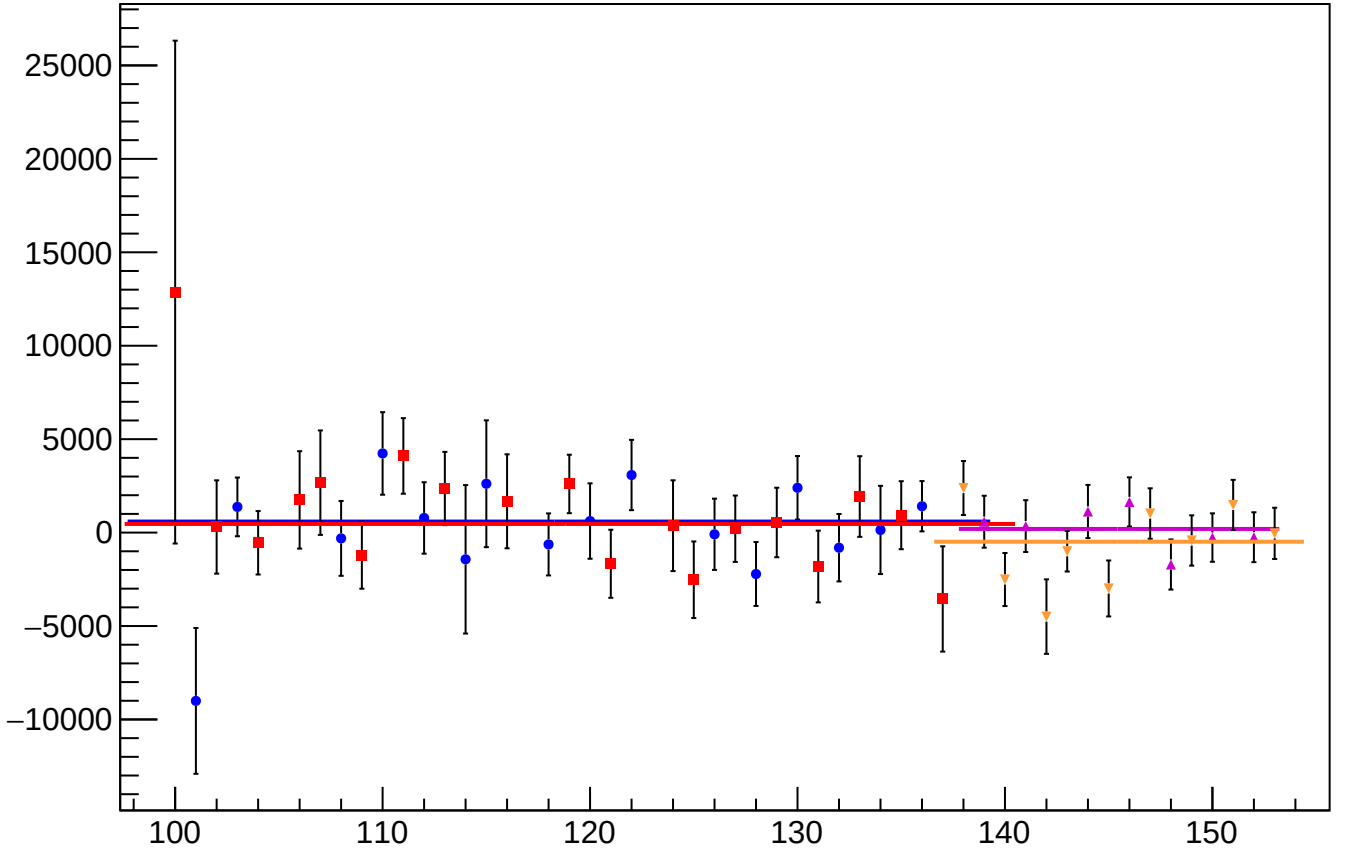
Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

\+ sign 742.316+/-0.150 χ^2/NDF: 3814027.2/24

All: 740.432+/-0.107 χ^2/NDF: 7383179.6/50

\- sign 738.465+/-0.153 χ^2/NDF: 3568830.4/25

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -487.696+/-460.769 χ^2/NDF:16.5/8

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

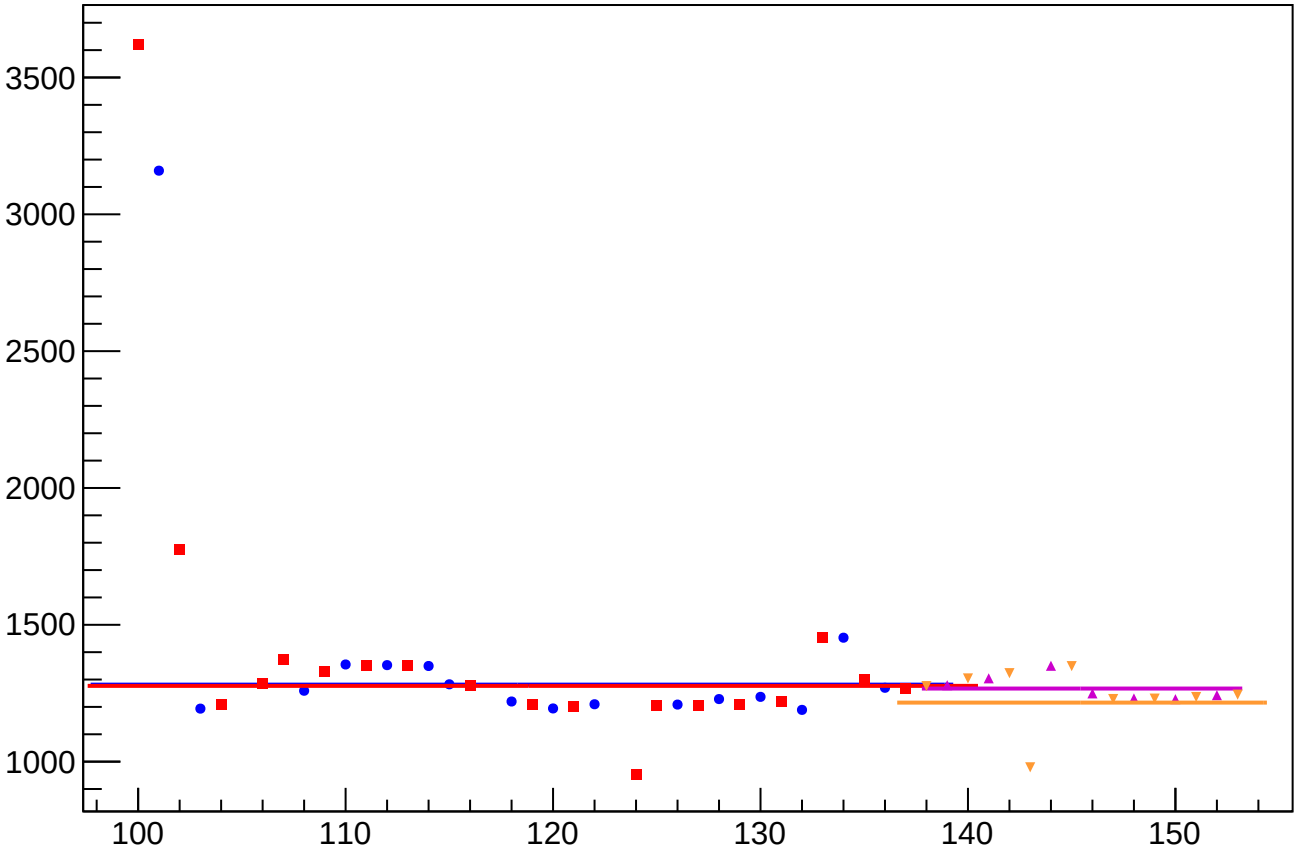
Left In: 194.734+/-511.646 χ^2/NDF:4.0/6

+ sign 23.177+/-334.208 χ^2/NDF: 36.2/24

All: 173.908+/-241.320 χ^2/NDF: 57.5/50

- sign 338.103+/-348.816 χ^2/NDF: 20.8/25

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1215.719+/-0.326 χ^2/NDF:129857.9/8

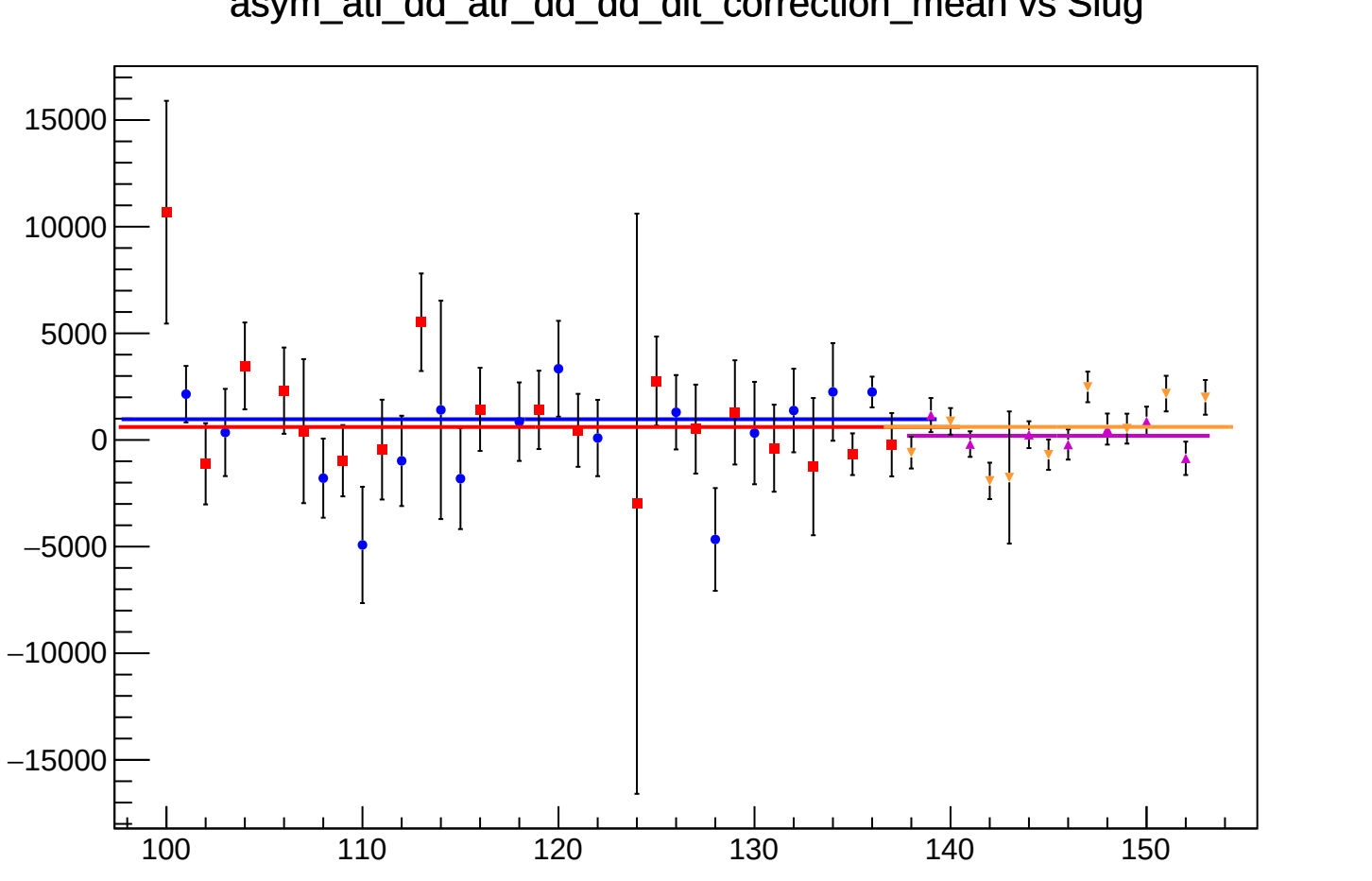
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.6/6

+ sign 1246.830+/-0.236 χ^2/NDF: 656177.1/24

All: 1259.026+/-0.171 χ^2/NDF: 895351.4/50

- sign 1272.311+/-0.247 χ^2/NDF: 233609.9/25



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 614.011+/-260.209 χ^2/NDF:28.8/8

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

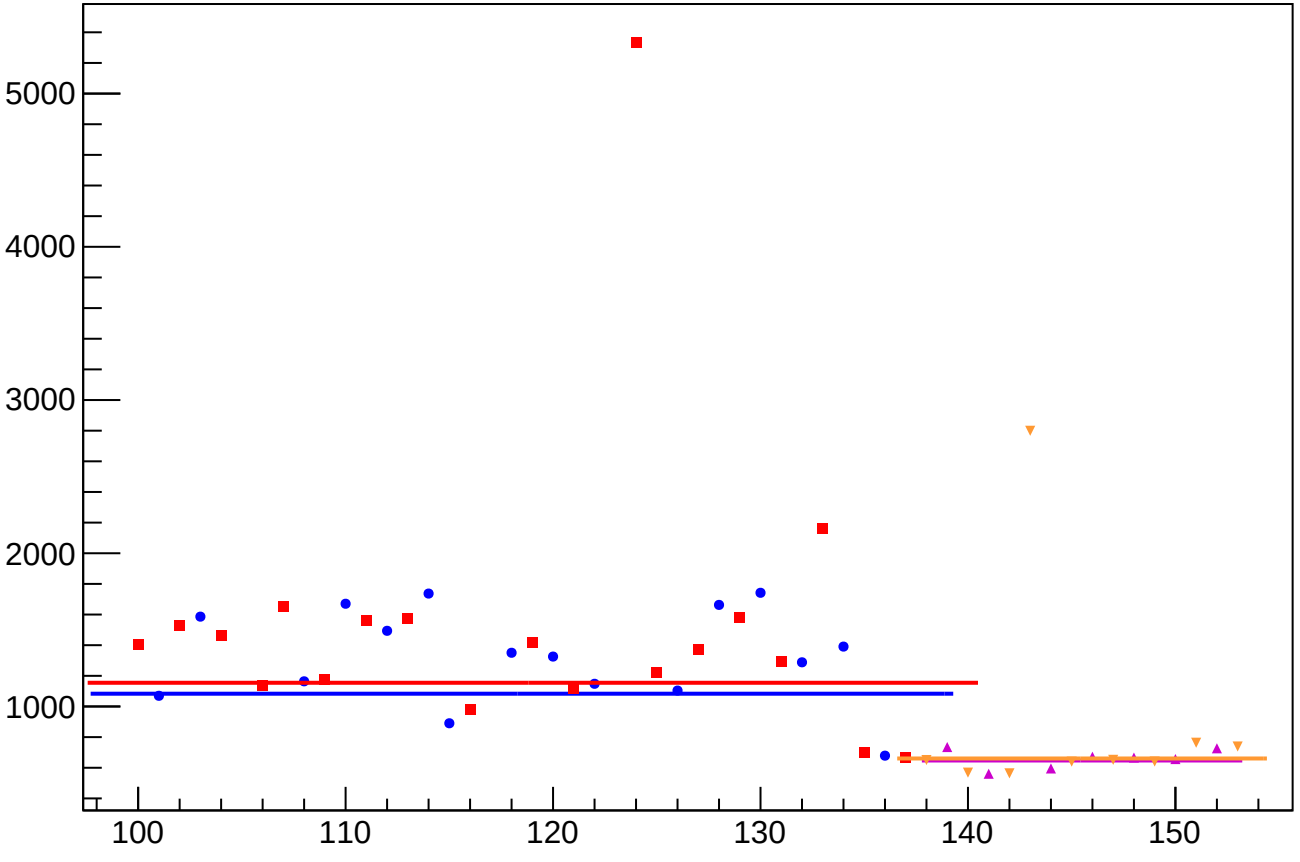
Left In: 196.797+/-263.029 χ^2/NDF:5.2/6

+ sign 711.622+/-221.949 χ^2/NDF: 49.7/24

All: 511.430+/-158.626 χ^2/NDF: 74.3/50

- sign 302.410+/-226.790 χ^2/NDF: 22.9/25

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 660.585+/-0.184 χ^2/NDF:1075199.3/8

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

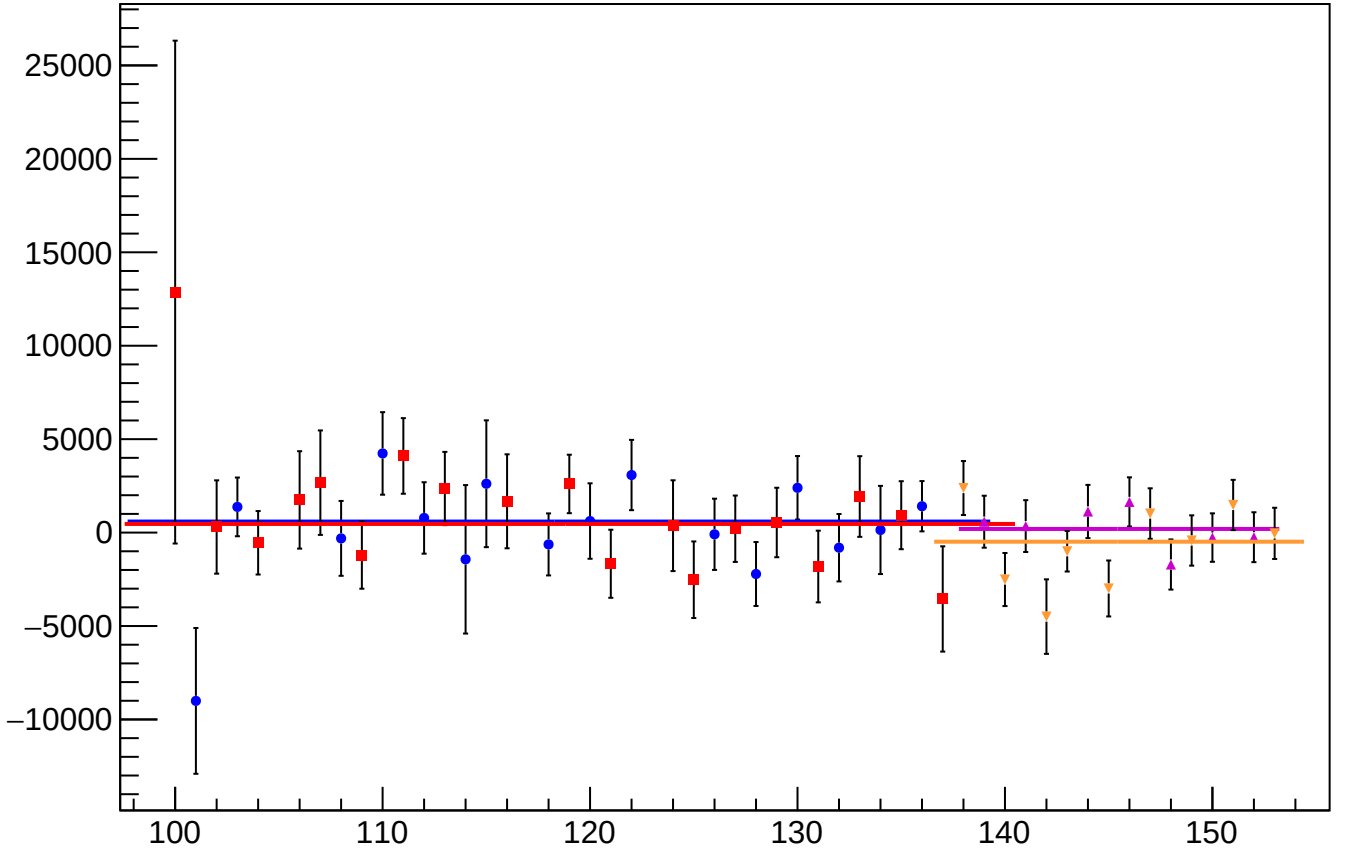
Left In: 647.485+/-0.186 χ^2/NDF:104248.1/6

+ sign 775.762+/-0.157 χ^2/NDF: 3873607.1/24

All: 776.675+/-0.112 χ^2/NDF: 7374569.5/50

- sign 777.628+/-0.160 χ^2/NDF: 3500893.3/25

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -487.698+/-460.769 χ^2/NDF:16.5/8

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

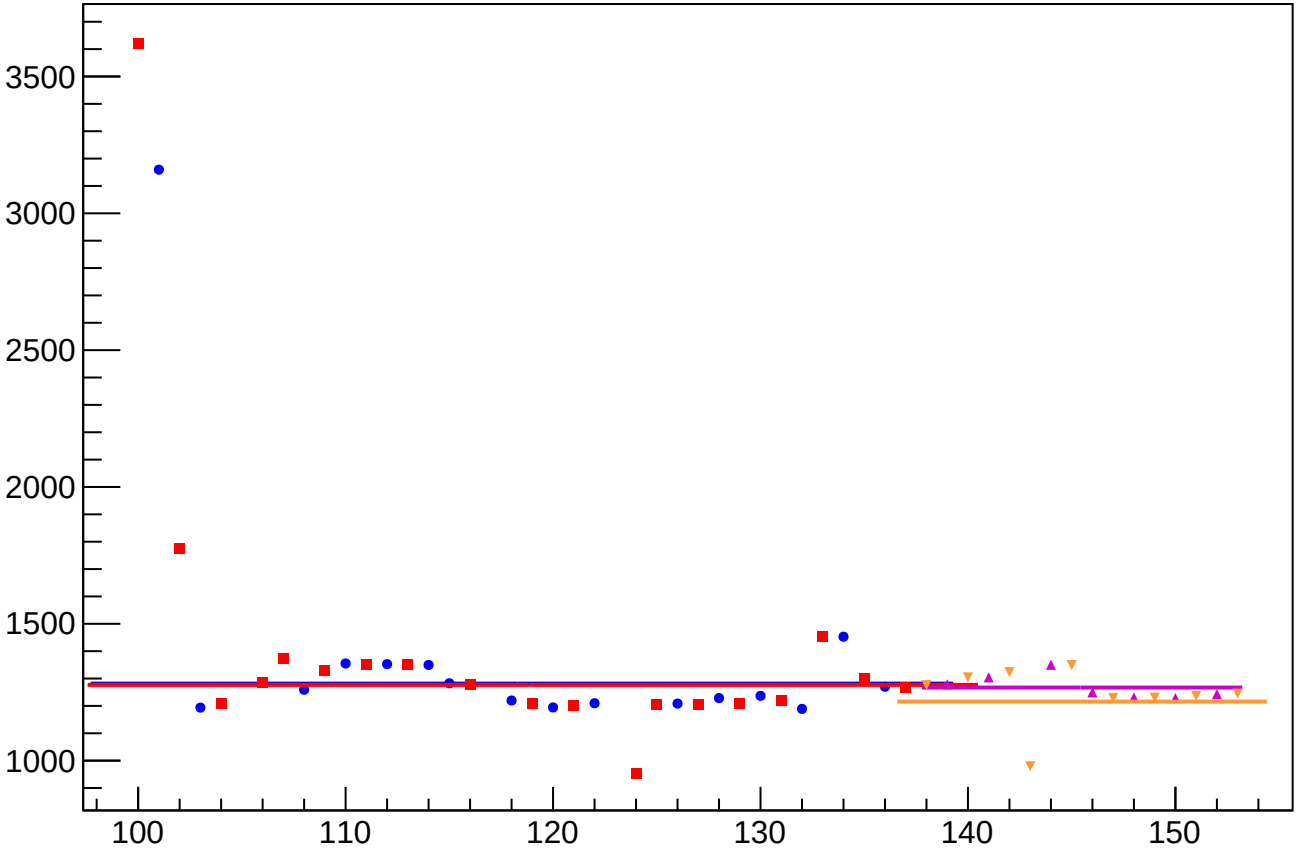
Left In: 194.737+/-511.646 χ^2/NDF:4.0/6

+ sign 23.177+/-334.208 χ^2/NDF: 36.2/24

All: 173.909+/-241.320 χ^2/NDF: 57.5/50

- sign 338.104+/-348.816 χ^2/NDF: 20.8/25

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1215.719+/-0.326 χ^2/NDF:129857.3/8

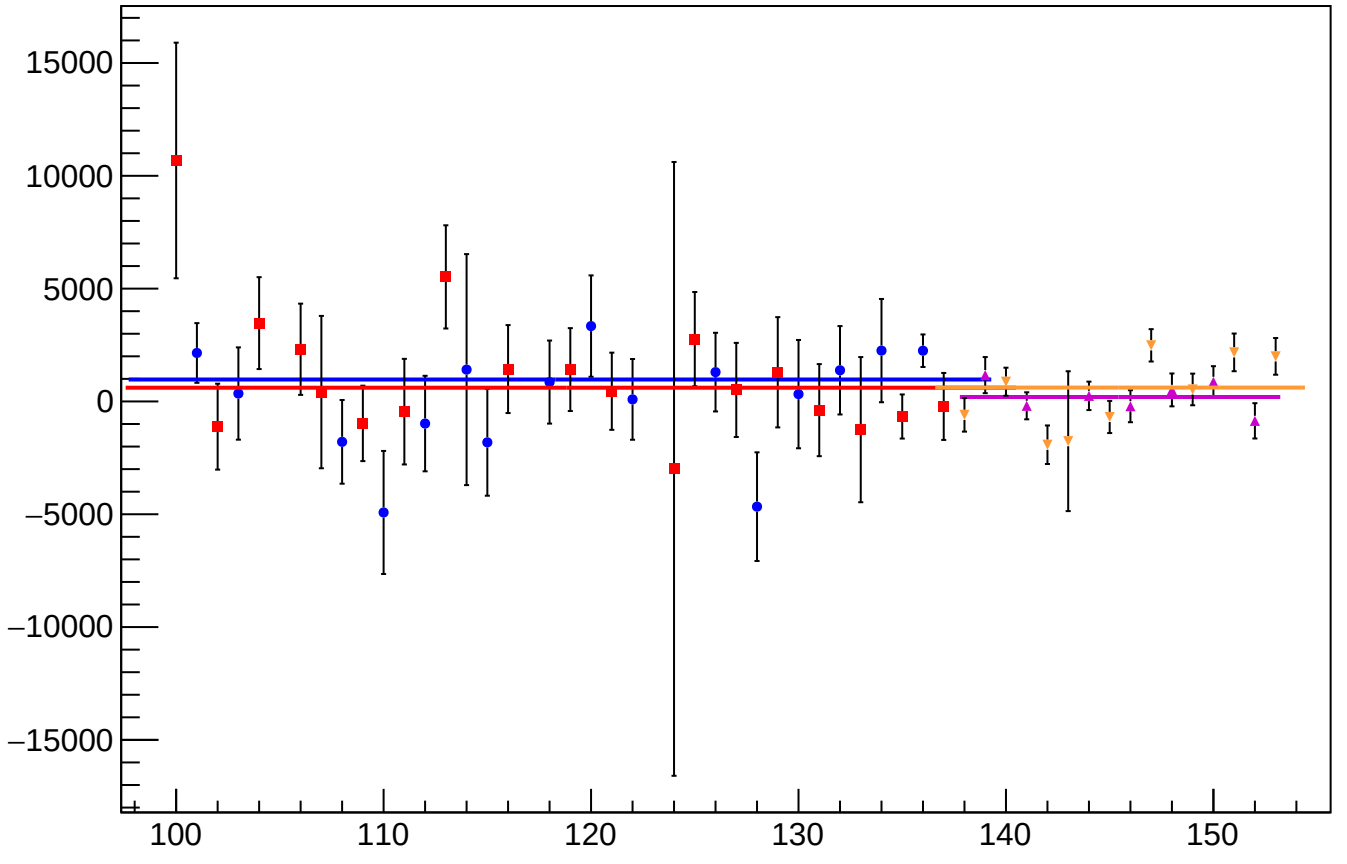
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.7/6

+ sign 1246.830+/-0.236 χ^2/NDF: 656176.4/24

All: 1259.026+/-0.171 χ^2/NDF: 895350.5/50

- sign 1272.311+/-0.247 χ^2/NDF: 233609.8/25



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 614.015+/-260.209 χ^2/NDF:28.8/8

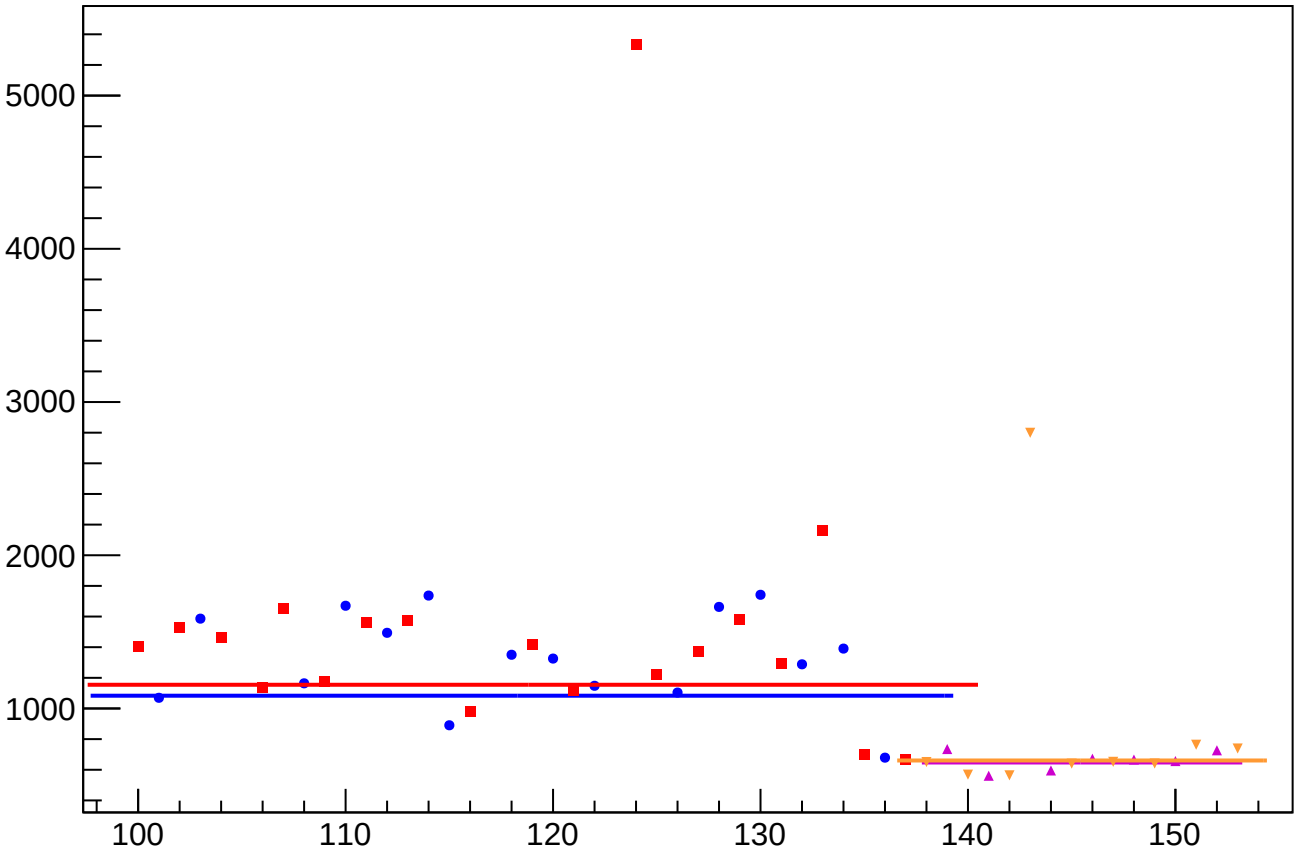
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 196.797+/-263.029 χ^2/NDF:5.2/6

\+ sign 711.624+/-221.950 χ^2/NDF: 49.7/24

All: 511.431+/-158.626 χ^2/NDF: 74.3/50

\- sign 302.412+/-226.790 χ^2/NDF: 22.9/25



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 660.587+/-0.184 χ^2/NDF:1075194.3/8

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

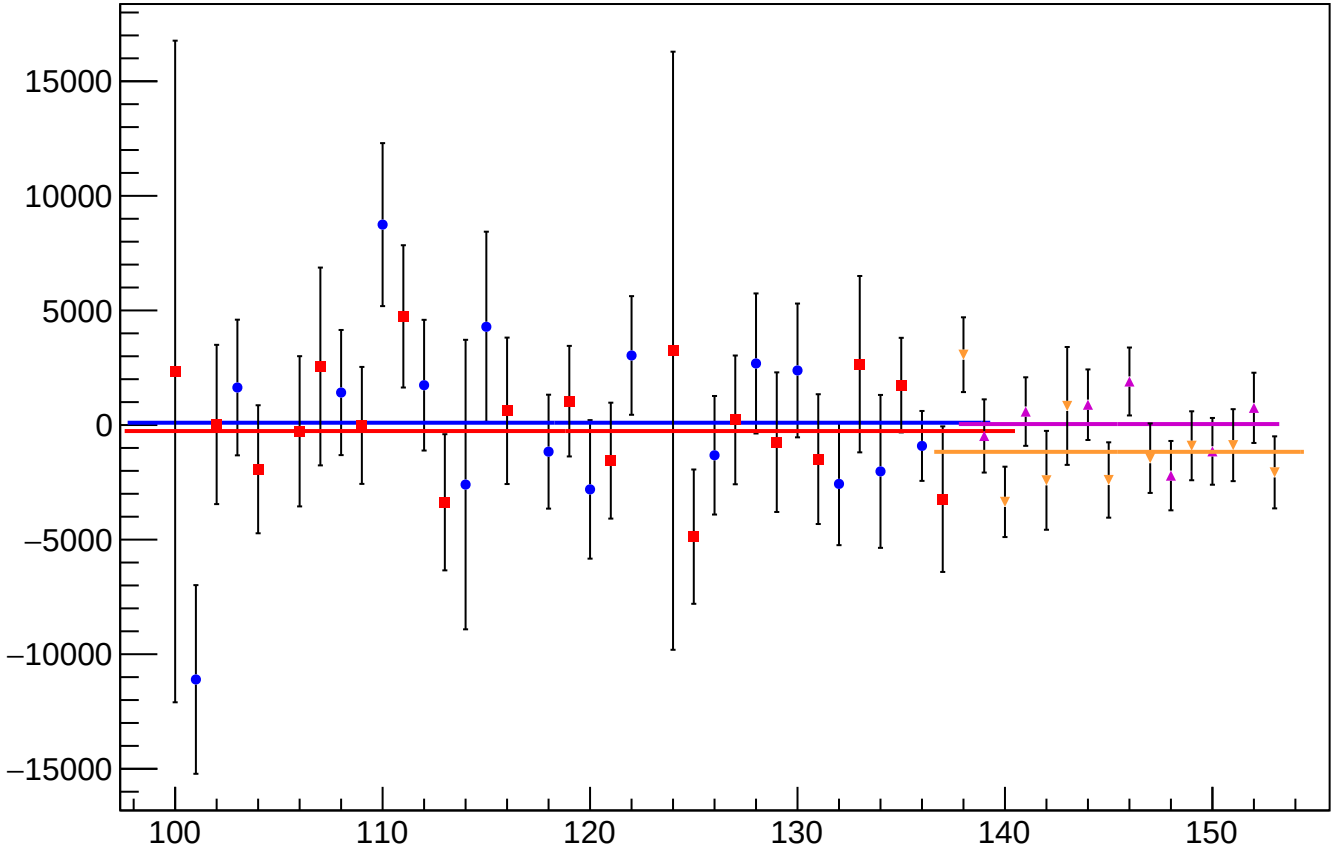
Left In: 647.484+/-0.186 χ^2/NDF:104250.8/6

+ sign 775.765+/-0.157 χ^2/NDF: 3873567.3/24

All: 776.676+/-0.112 χ^2/NDF: 7374525.2/50

- sign 777.628+/-0.160 χ^2/NDF: 3500889.0/25

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1169.693+/-557.030 χ^2/NDF:10.7/8

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

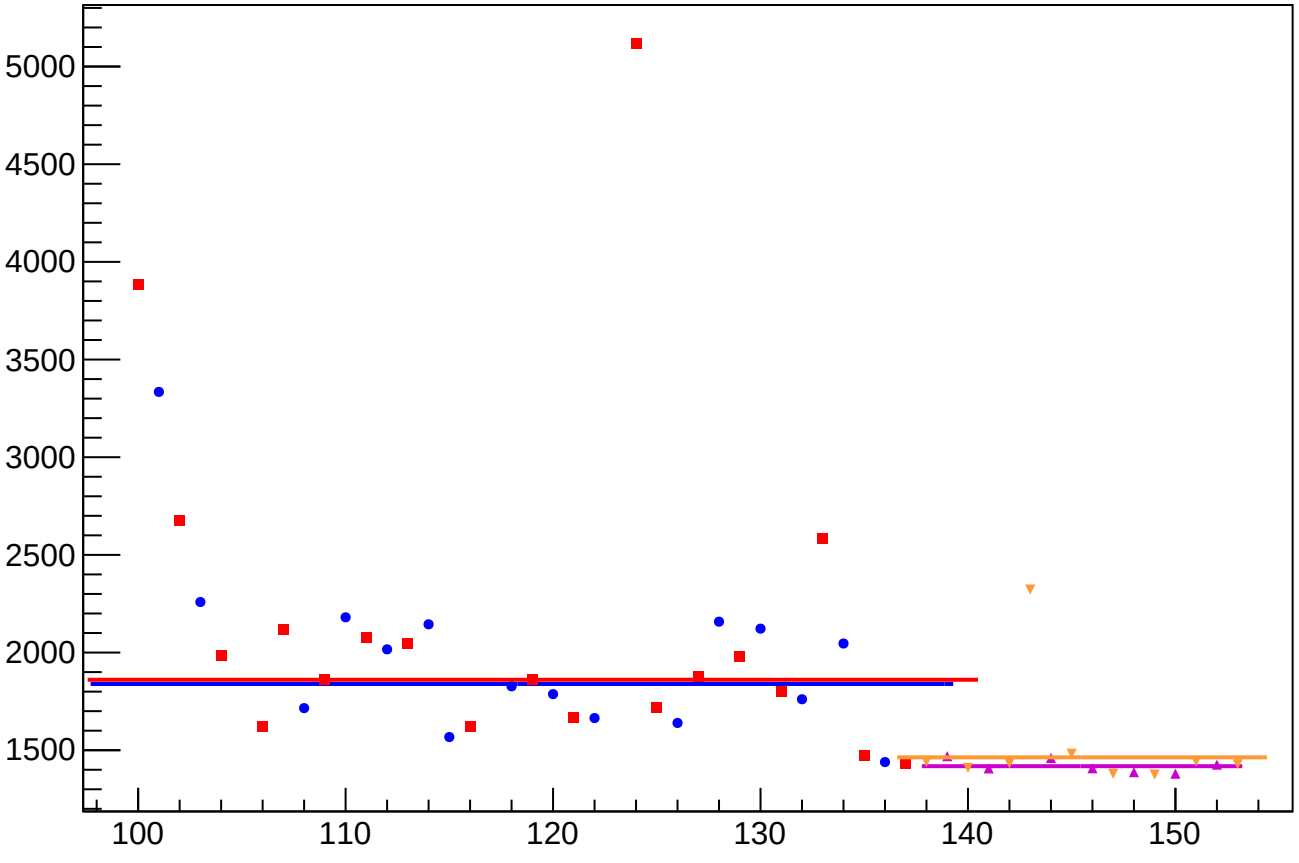
Left In: 42.131+/-572.584 χ^2/NDF:5.2/6

+ sign -676.361+/-435.622 χ^2/NDF: 34.0/24

All: -383.343+/-310.652 χ^2/NDF: 50.6/50

- sign -80.137+/-443.130 χ^2/NDF: 15.7/25

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1463.711+/-0.394 χ^2/NDF:240872.7/8

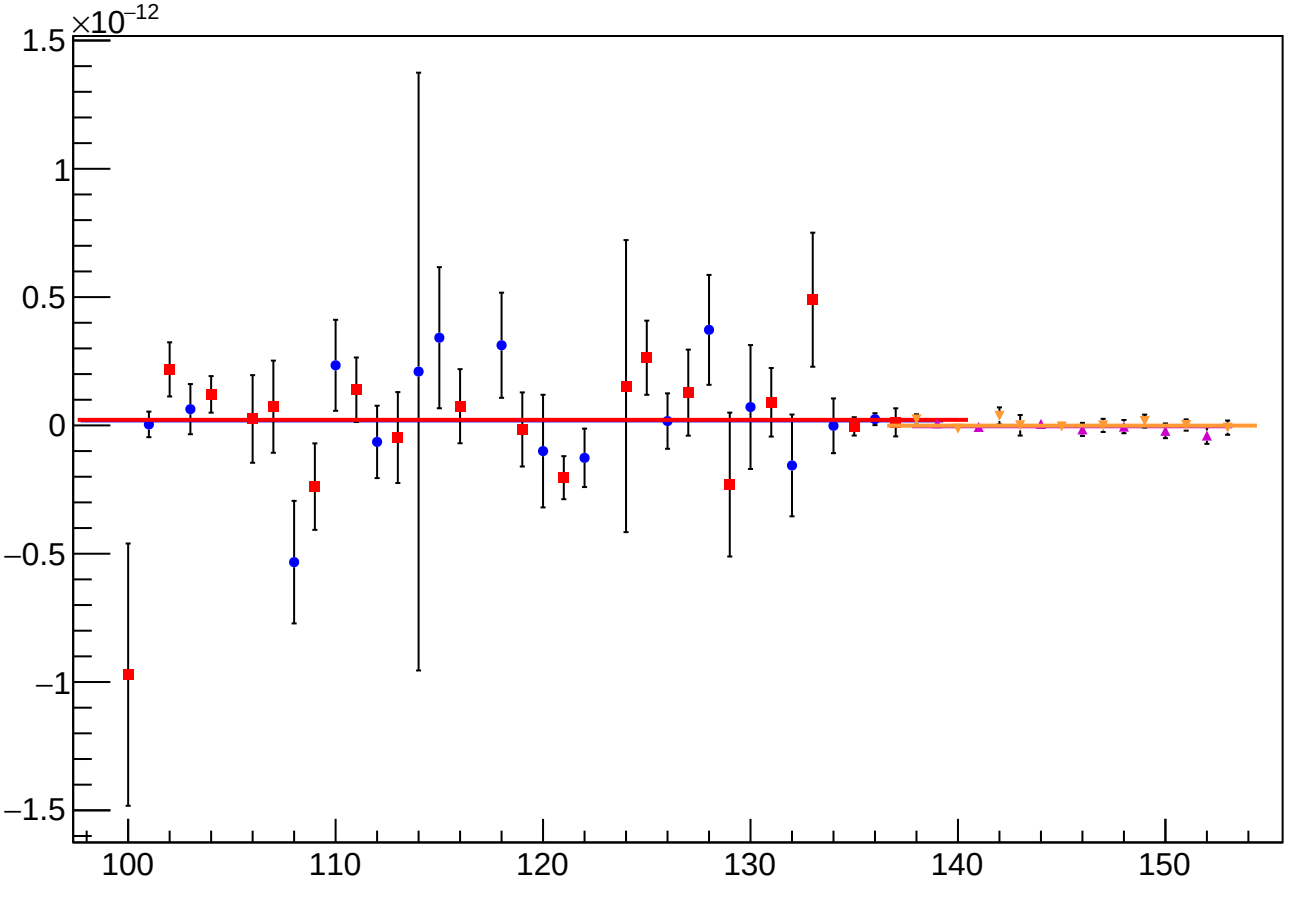
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.257+/-0.405 χ^2/NDF:6024.7/6

+ sign 1609.520+/-0.308 χ^2/NDF: 1150418.8/24

All: 1602.741+/-0.220 χ^2/NDF: 2158598.8/50

- sign 1595.727+/-0.313 χ^2/NDF: 1007194.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/8

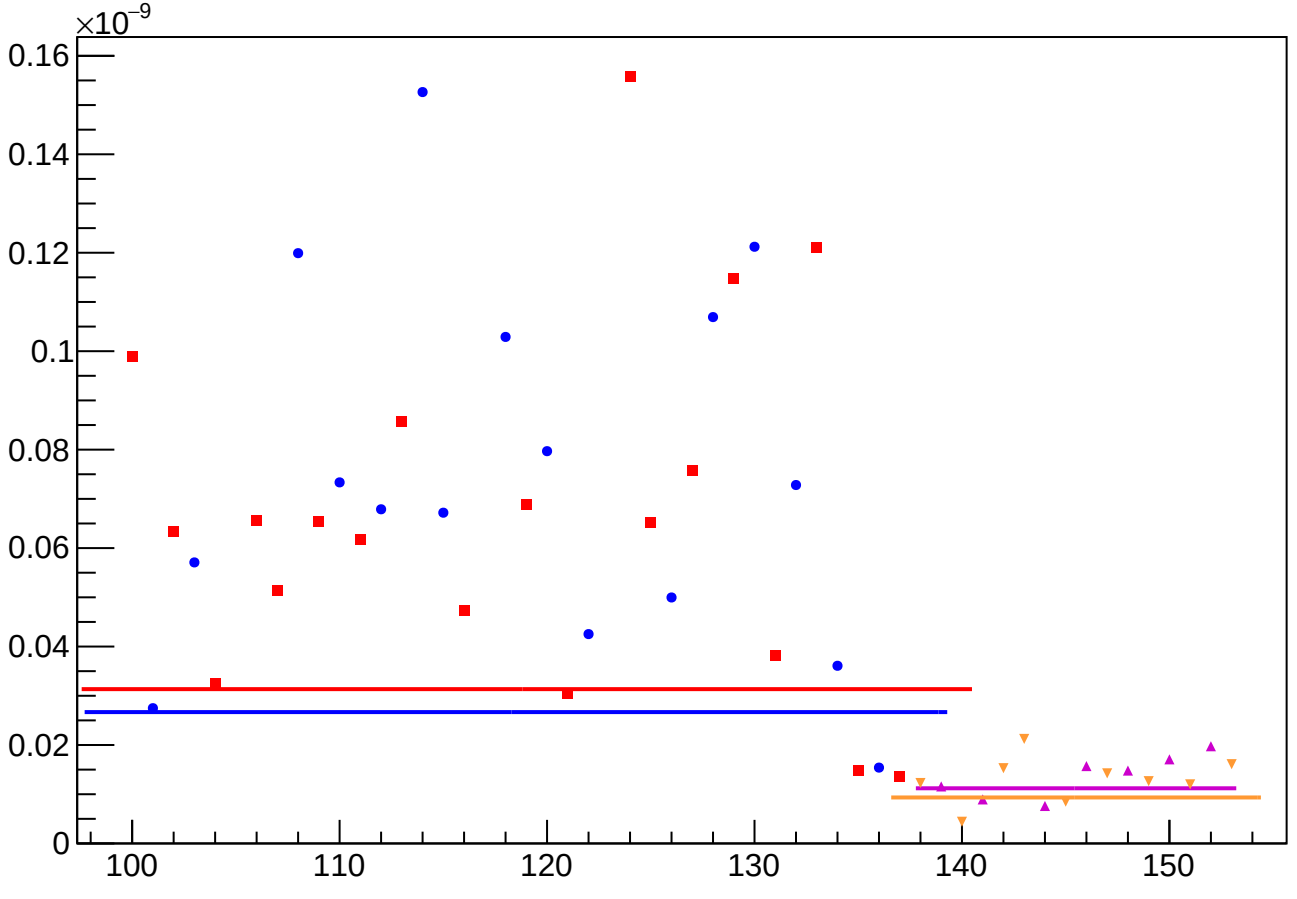
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.1/24

All: 0.000+/-0.000 χ^2/NDF: 54.2/50

- sign -0.000+/-0.000 χ^2/NDF: 32.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:970404.6/8

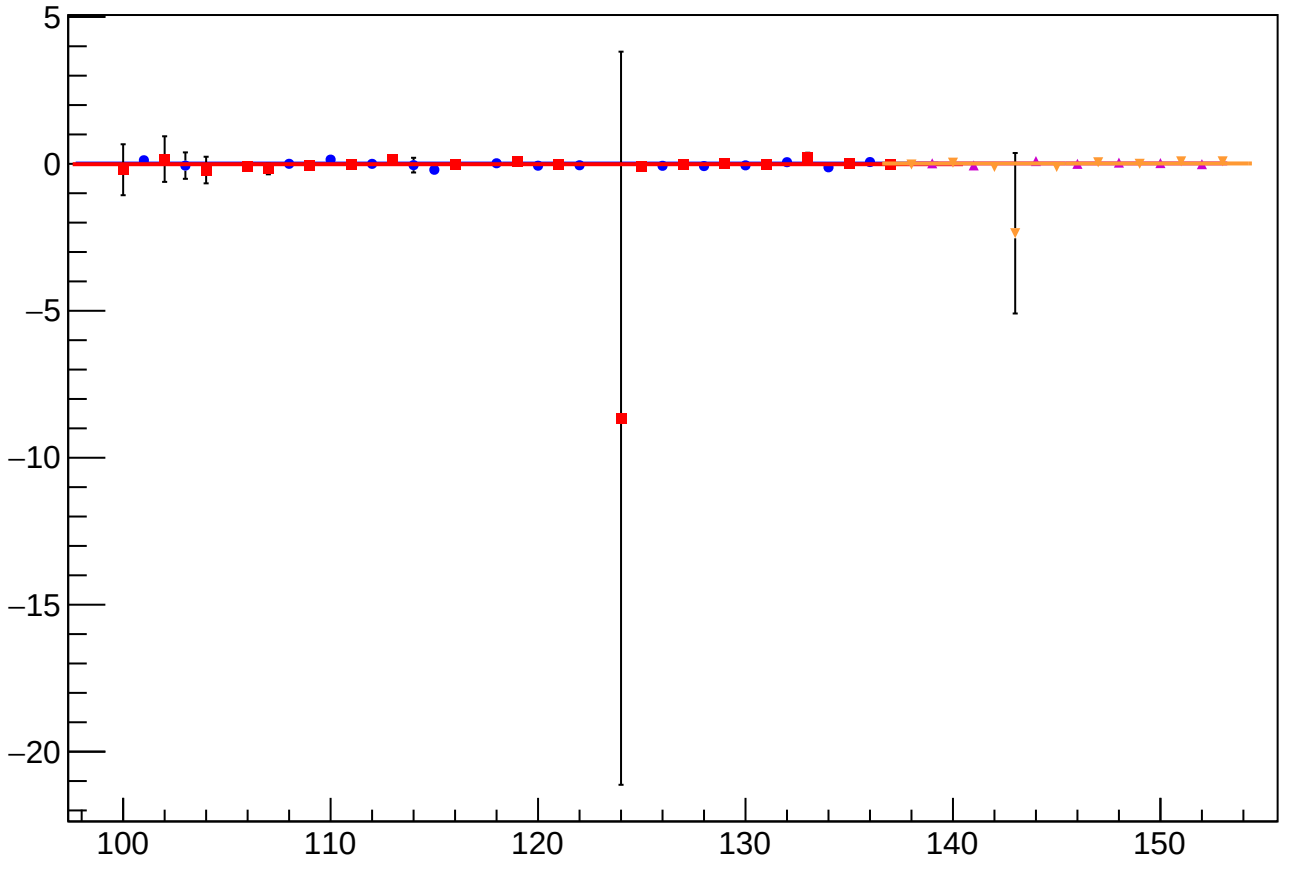
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:510308.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 5069570.8/24

All: 0.000+/-0.000 χ^2/NDF: 9415992.4/50

- sign 0.000+/-0.000 χ^2/NDF: 4248889.9/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

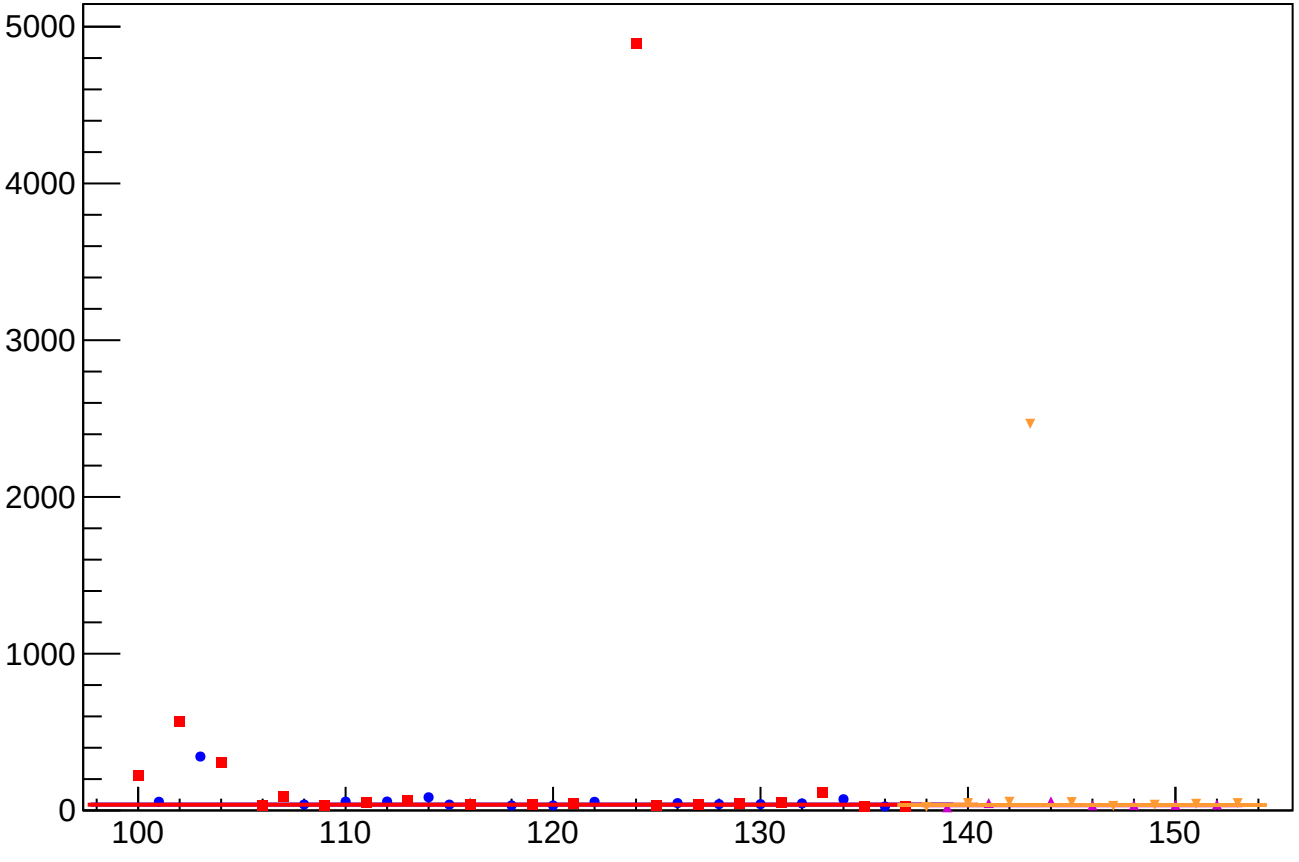
Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.011+/-0.011 χ^2/NDF: 33.1/24

All: 0.007+/-0.008 χ^2/NDF: 51.7/50

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.750+/-0.011 χ^2/NDF:2595625.7/8

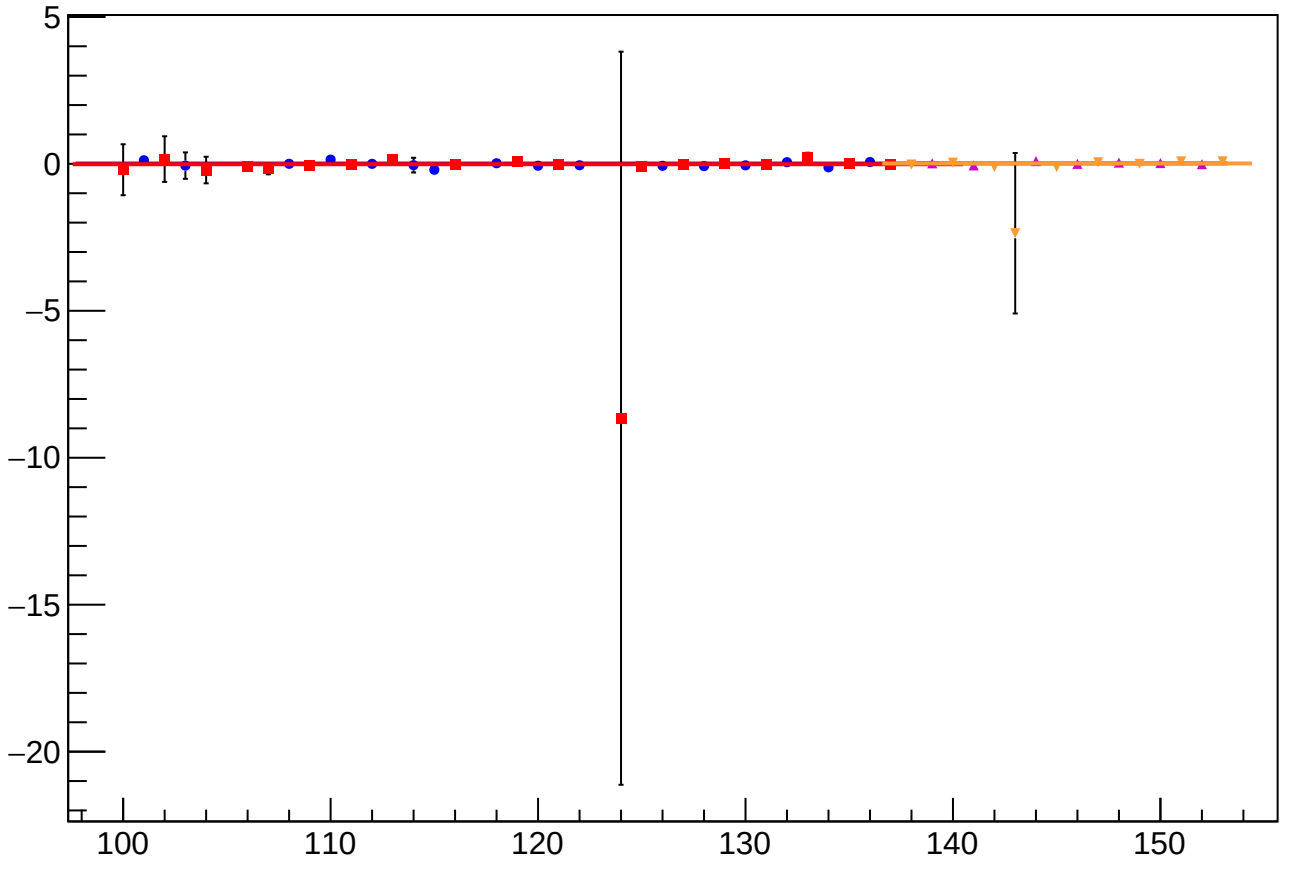
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

+ sign 36.067+/-0.008 χ^2/NDF: 4609206.0/24

All: 35.443+/-0.006 χ^2/NDF: 8801300.8/50

- sign 34.820+/-0.008 χ^2/NDF: 4179555.8/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

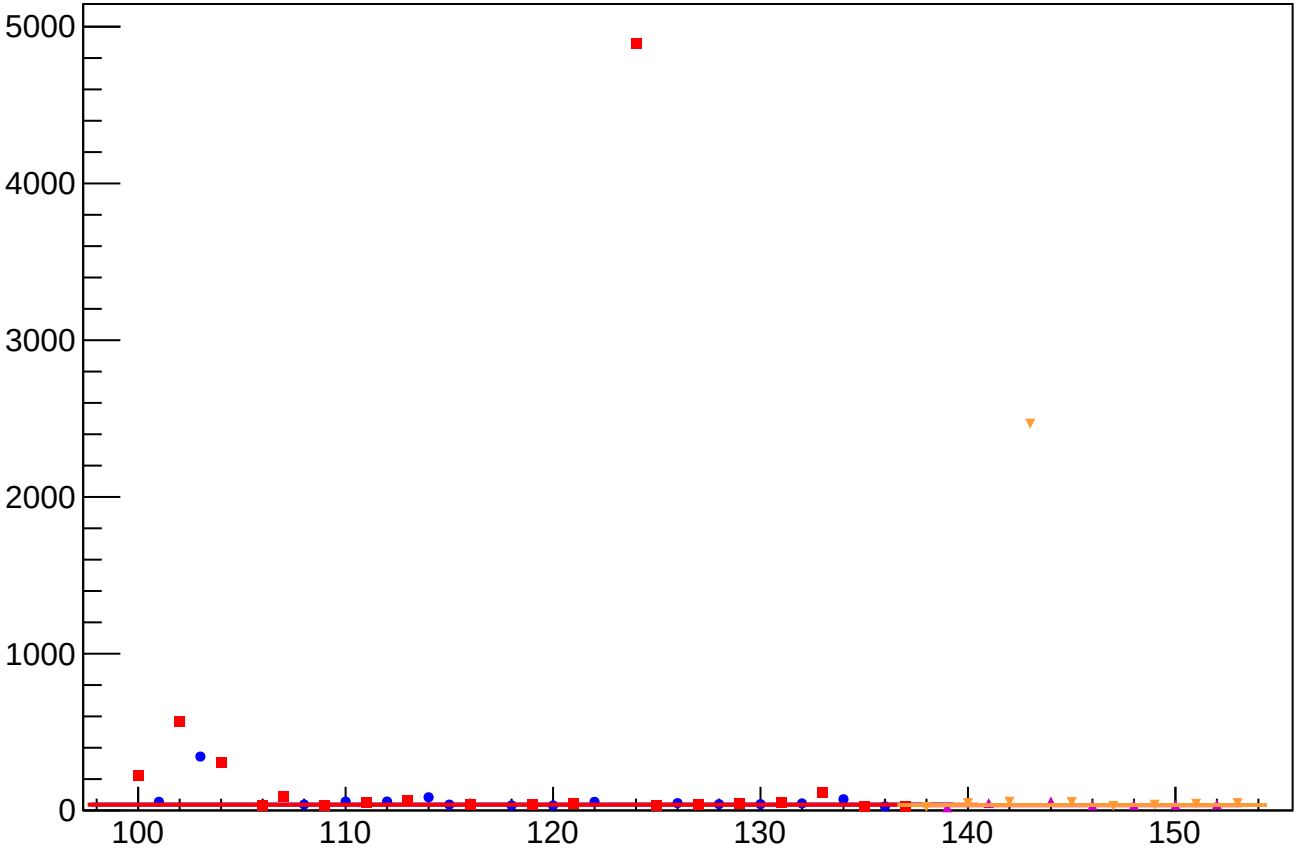
Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.011+/-0.011 χ^2/NDF: 33.1/24

All: 0.007+/-0.008 χ^2/NDF: 51.7/50

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.750+/-0.011 χ^2/NDF:2595625.7/8

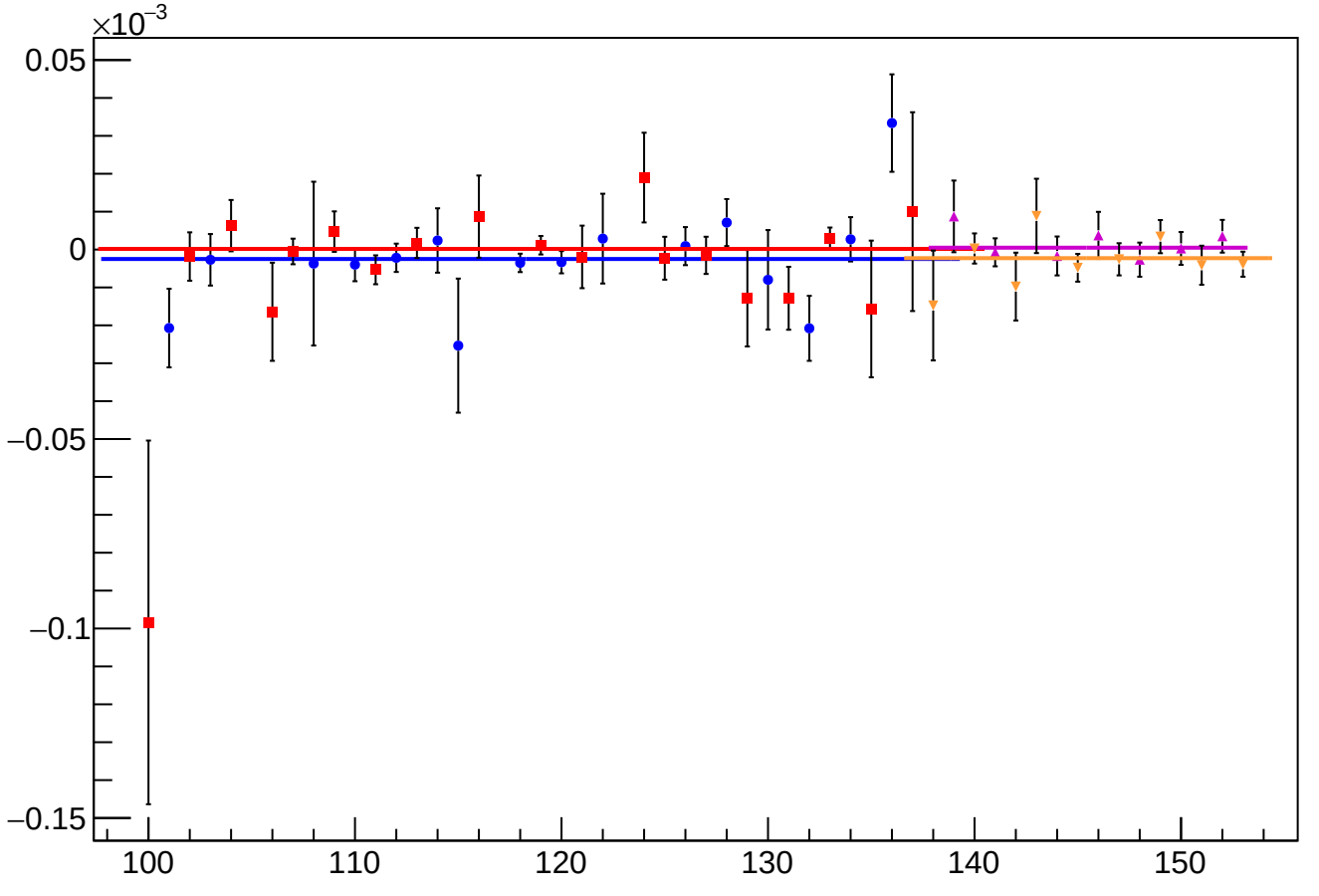
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

+ sign 36.067+/-0.008 χ^2/NDF: 4609206.0/24

All: 35.443+/-0.006 χ^2/NDF: 8801300.8/50

- sign 34.820+/-0.008 χ^2/NDF: 4179555.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/8

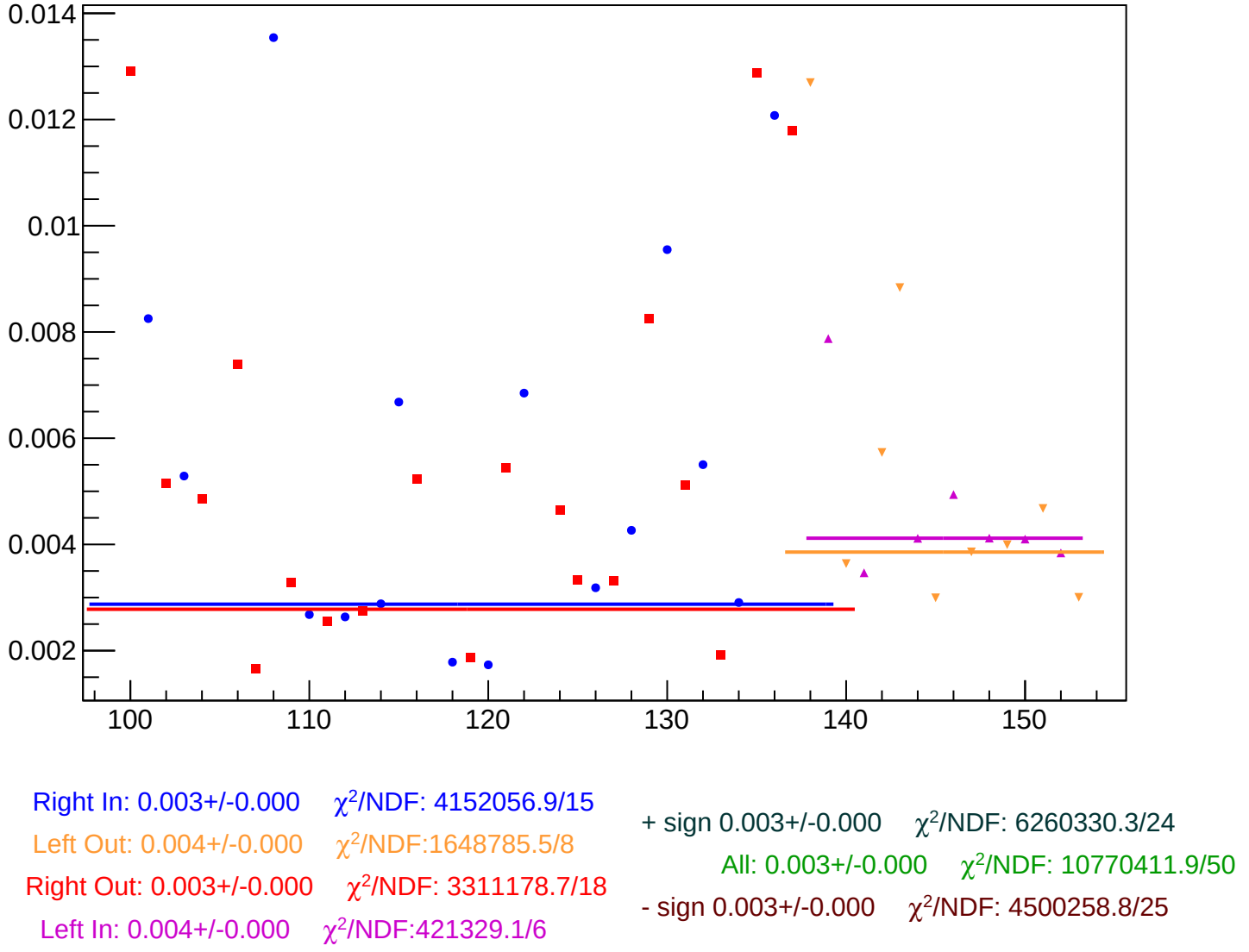
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

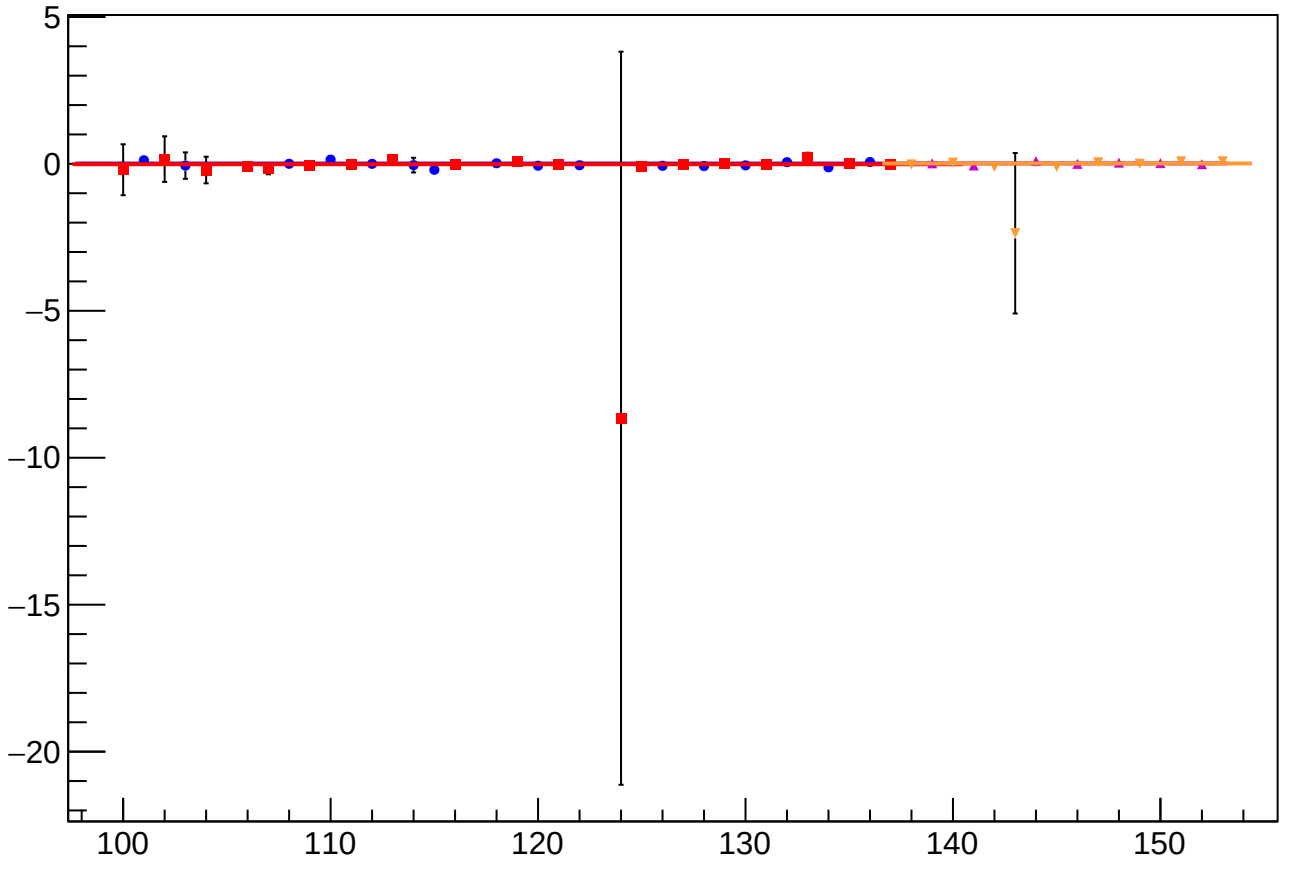
Left In: 0.000+/-0.000 χ^2/NDF:2.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/24

All: -0.000+/-0.000 χ^2/NDF: 52.3/50

- sign 0.000+/-0.000 χ^2/NDF: 21.2/25


asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:1648785.5/8
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:421329.1/6
+ sign 0.003+/-0.000 χ²/NDF: 6260330.3/24
All: 0.003+/-0.000 χ²/NDF: 10770411.9/50
- sign 0.003+/-0.000 χ²/NDF: 4500258.8/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

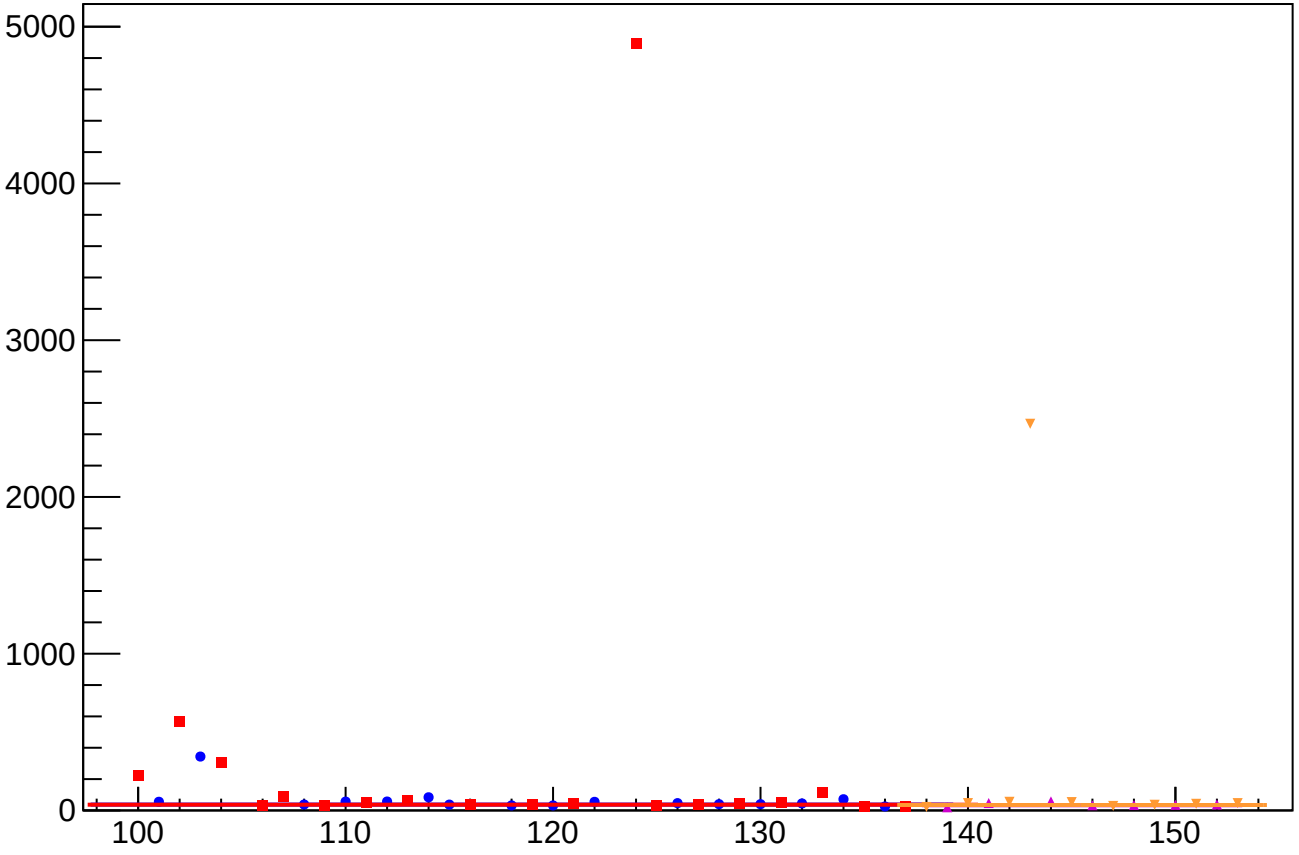
Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.011+/-0.011 χ^2/NDF: 33.1/24

All: 0.007+/-0.008 χ^2/NDF: 51.7/50

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.747+/-0.011 χ^2/NDF:2596051.4/8

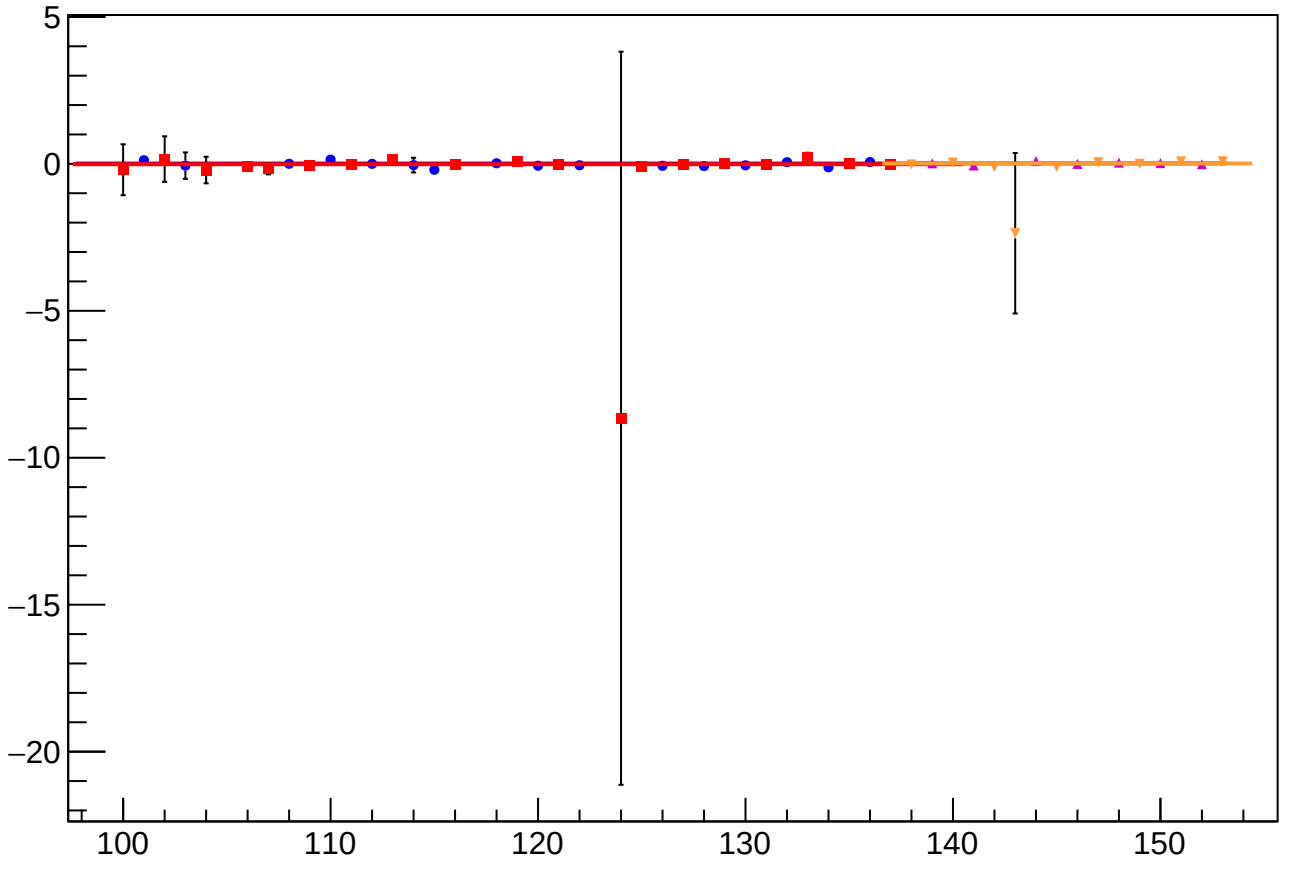
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

+ sign 36.066+/-0.008 χ^2/NDF: 4609639.4/24

All: 35.444+/-0.006 χ^2/NDF: 8800459.4/50

- sign 34.823+/-0.008 χ^2/NDF: 4178369.5/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

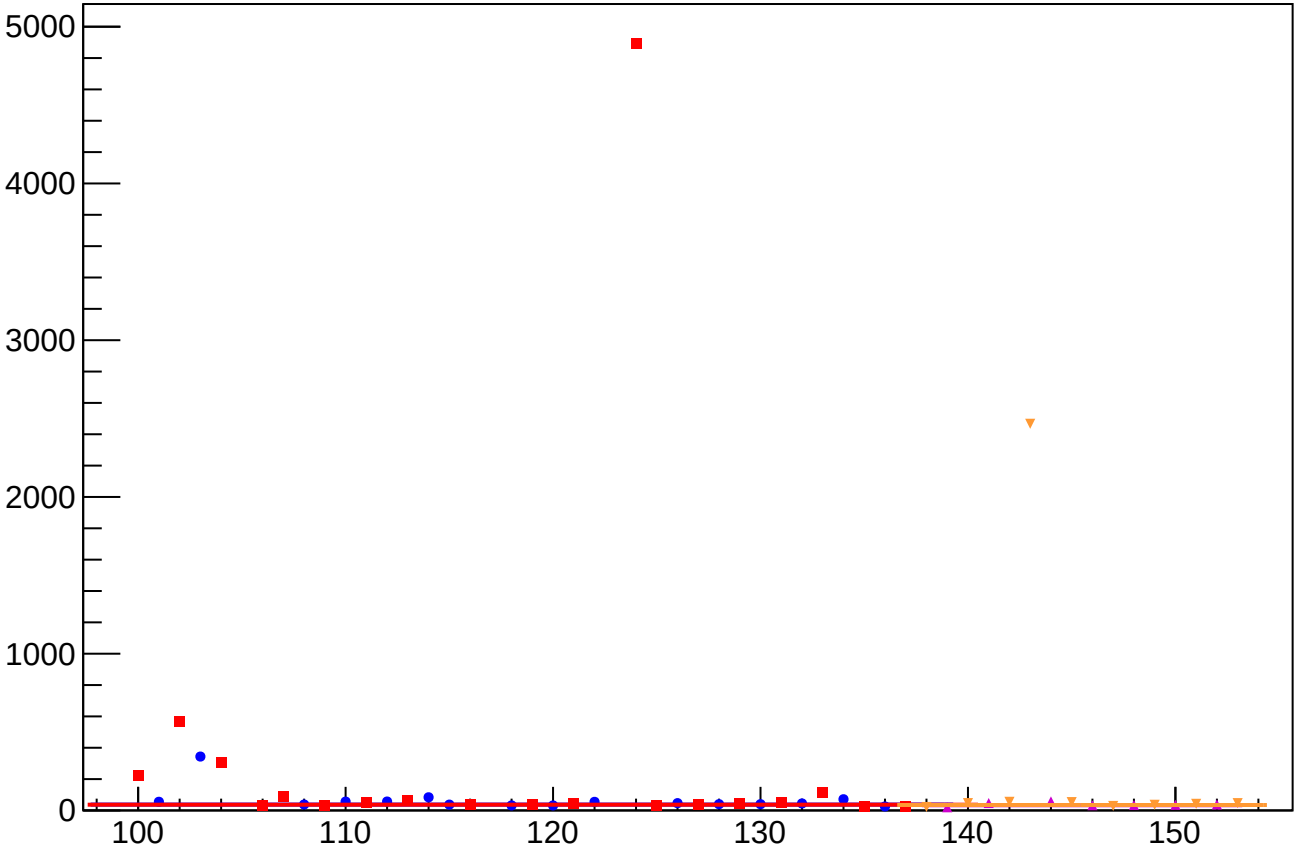
Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.011+/-0.011 χ^2/NDF: 33.1/24

All: 0.007+/-0.008 χ^2/NDF: 51.7/50

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.747+/-0.011 χ^2/NDF:2596051.4/8

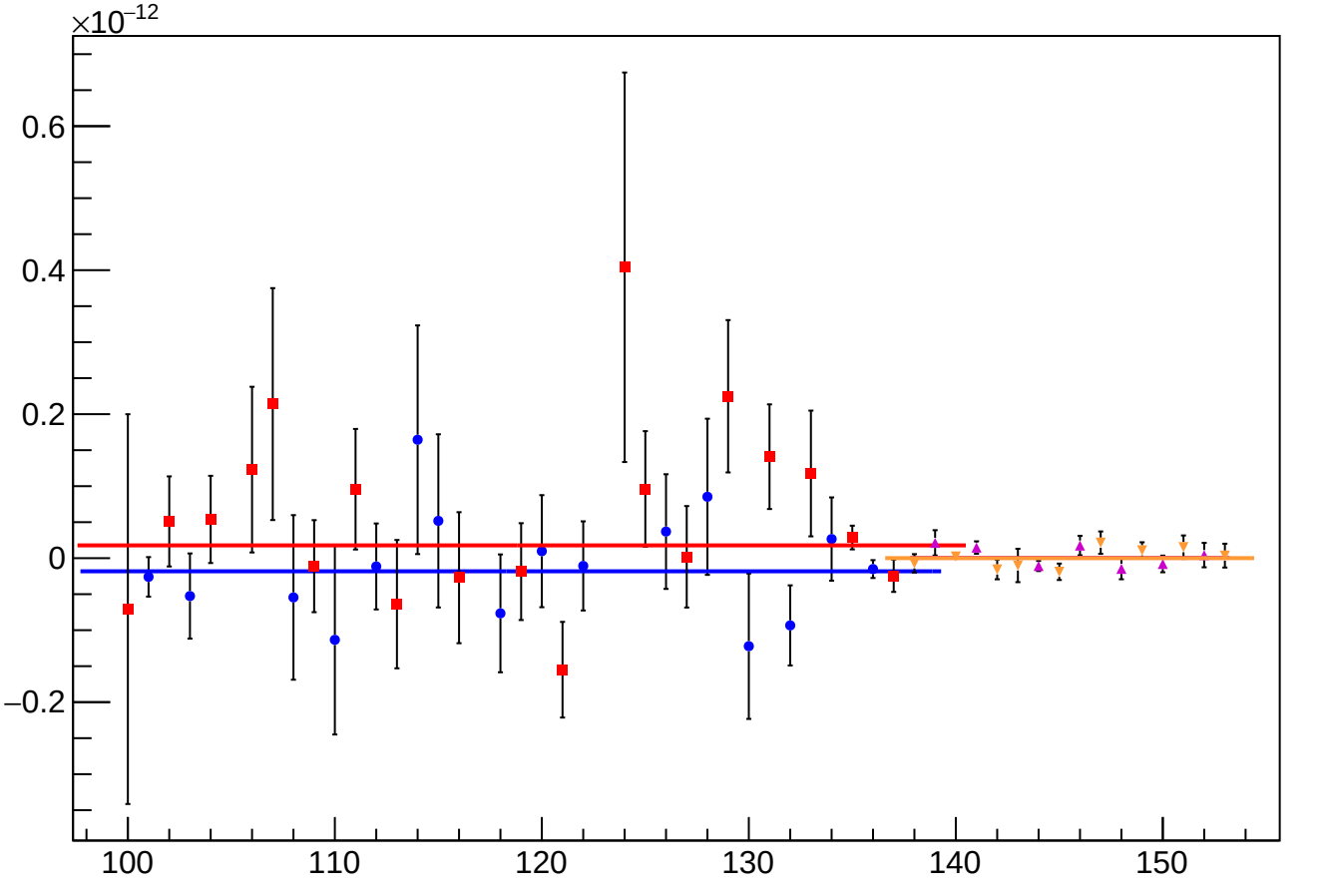
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

+ sign 36.066+/-0.008 χ^2/NDF: 4609639.4/24

All: 35.444+/-0.006 χ^2/NDF: 8800459.4/50

- sign 34.823+/-0.008 χ^2/NDF: 4178369.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.5/8

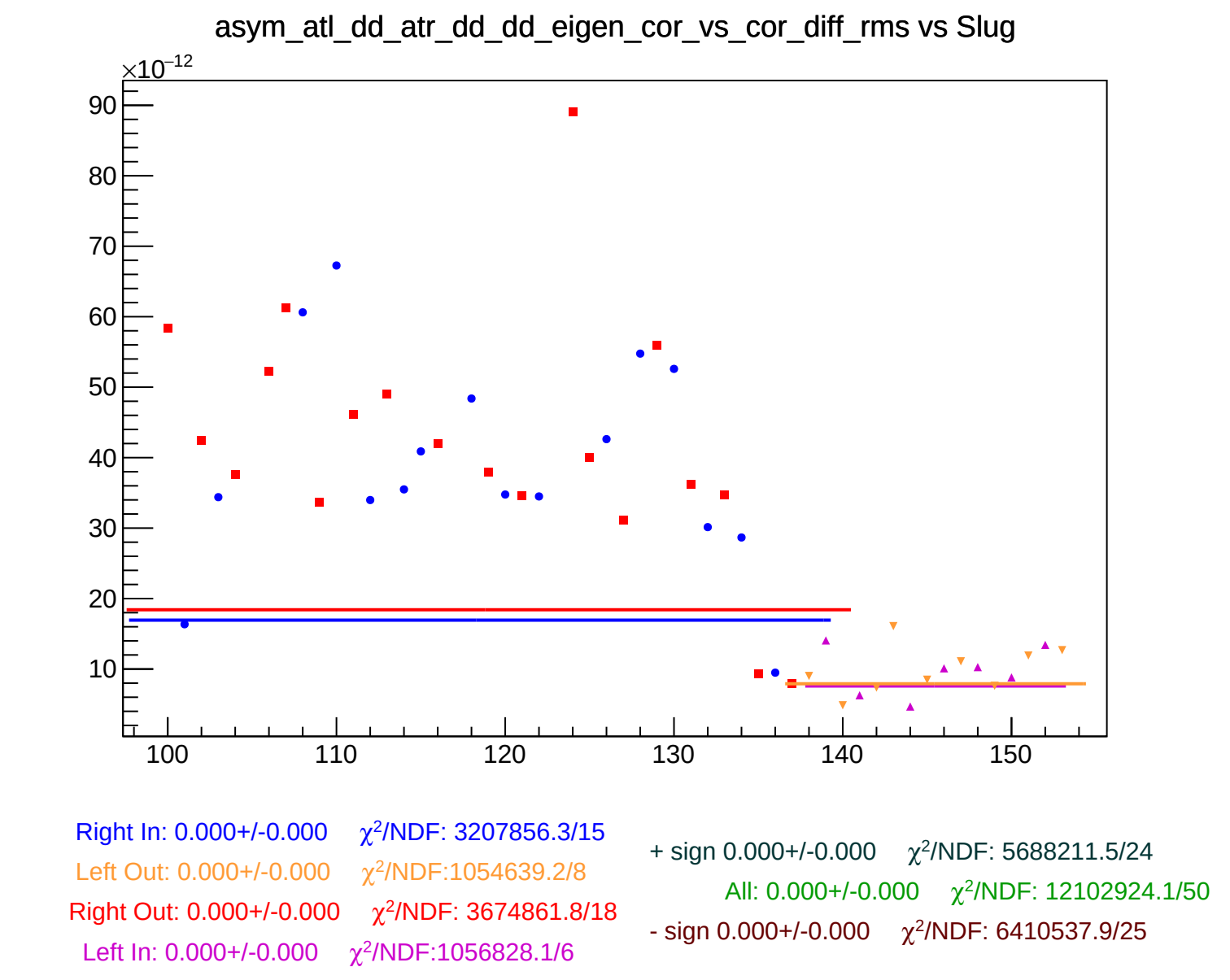
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.7/24

All: -0.000+/-0.000 χ^2/NDF: 60.1/50

- sign 0.000+/-0.000 χ^2/NDF: 39.5/25


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
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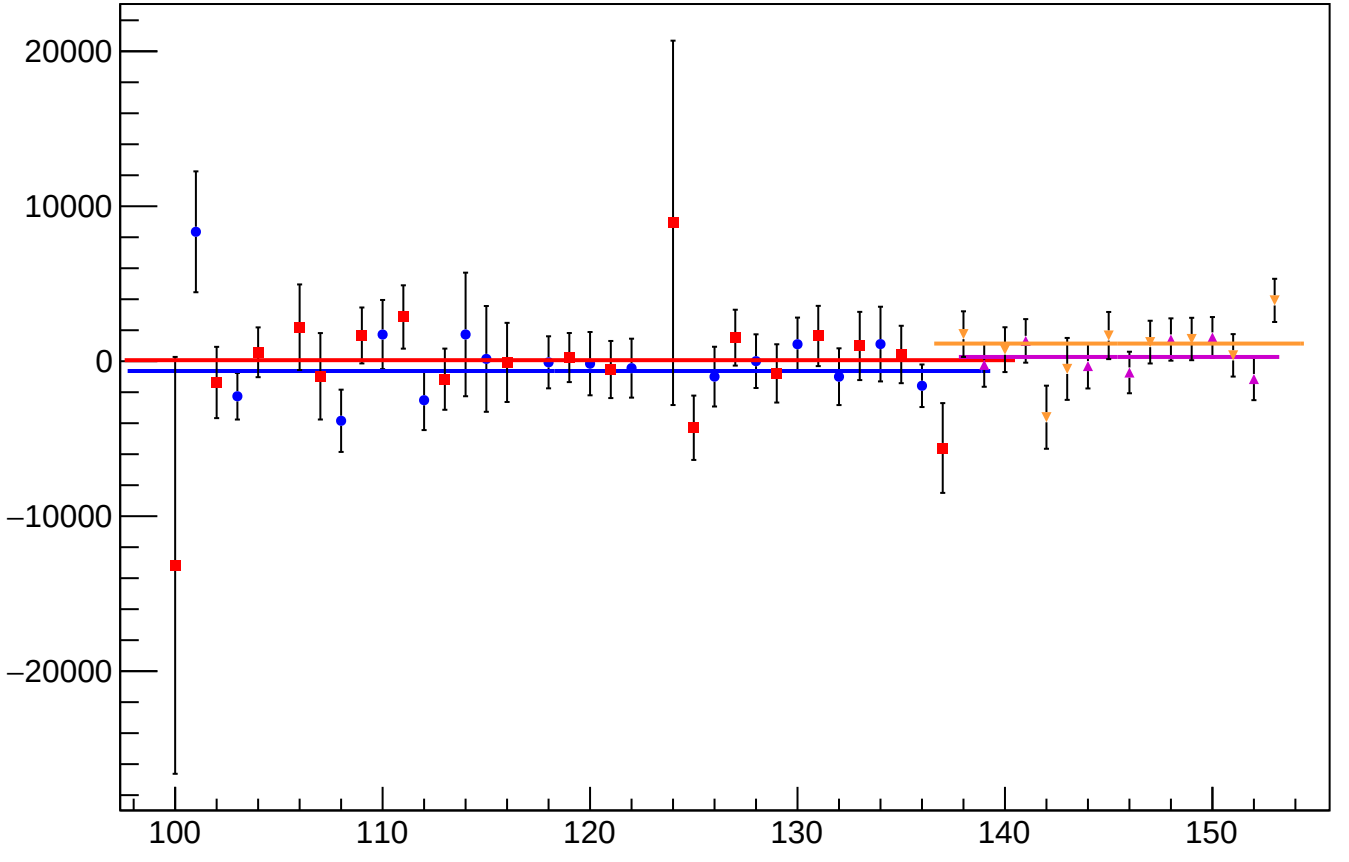
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1054639.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1056828.1/6
+ sign 0.000+/-0.000 χ²/NDF: 5688211.5/24
All: 0.000+/-0.000 χ²/NDF: 12102924.1/50
- sign 0.000+/-0.000 χ²/NDF: 6410537.9/25

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.063+/-501.771 χ^2/NDF:10.8/8

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

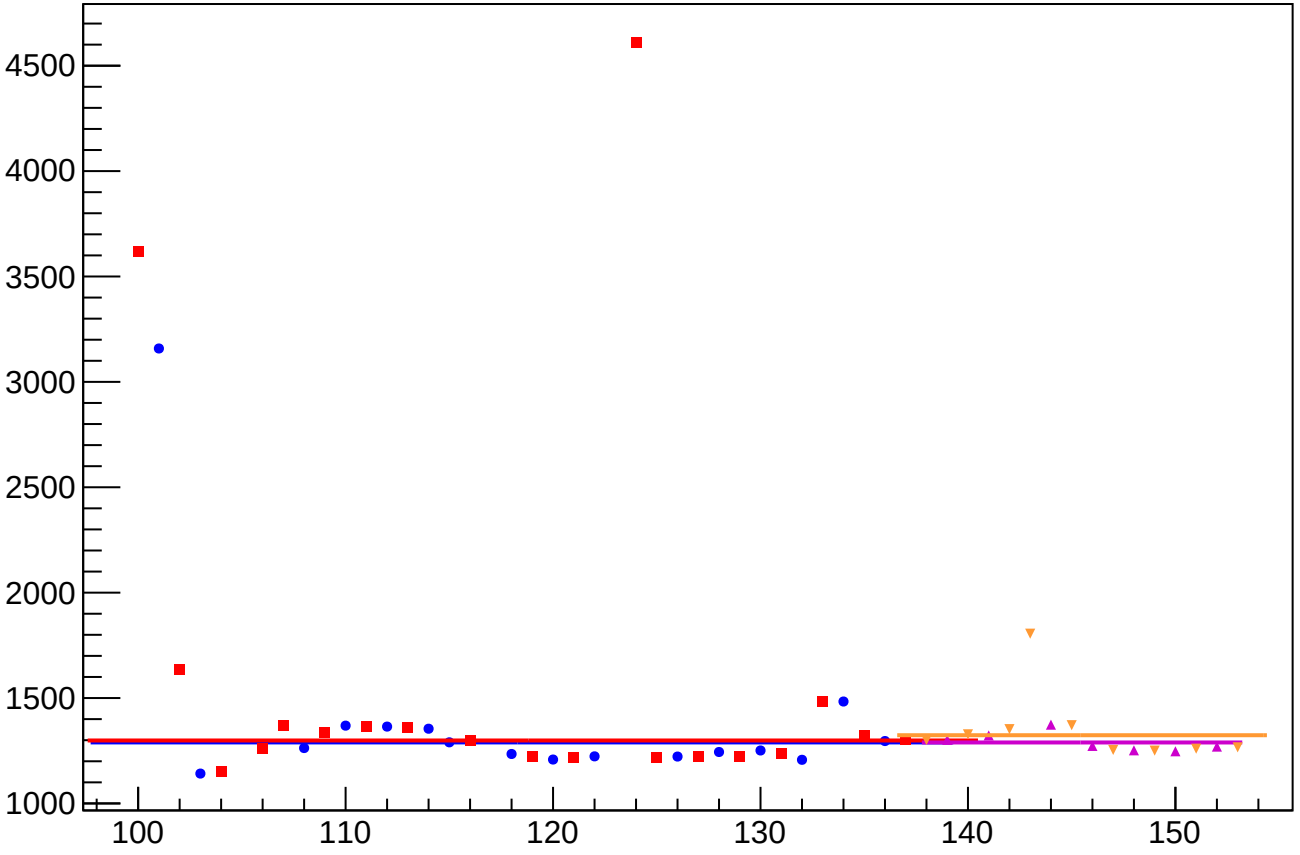
Left In: 274.938+/-520.586 χ^2/NDF:4.1/6

+ sign 230.587+/-350.079 χ^2/NDF: 31.1/24

All: 198.116+/-249.589 χ^2/NDF: 51.2/50

- sign 164.549+/-355.938 χ^2/NDF: 20.0/25

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

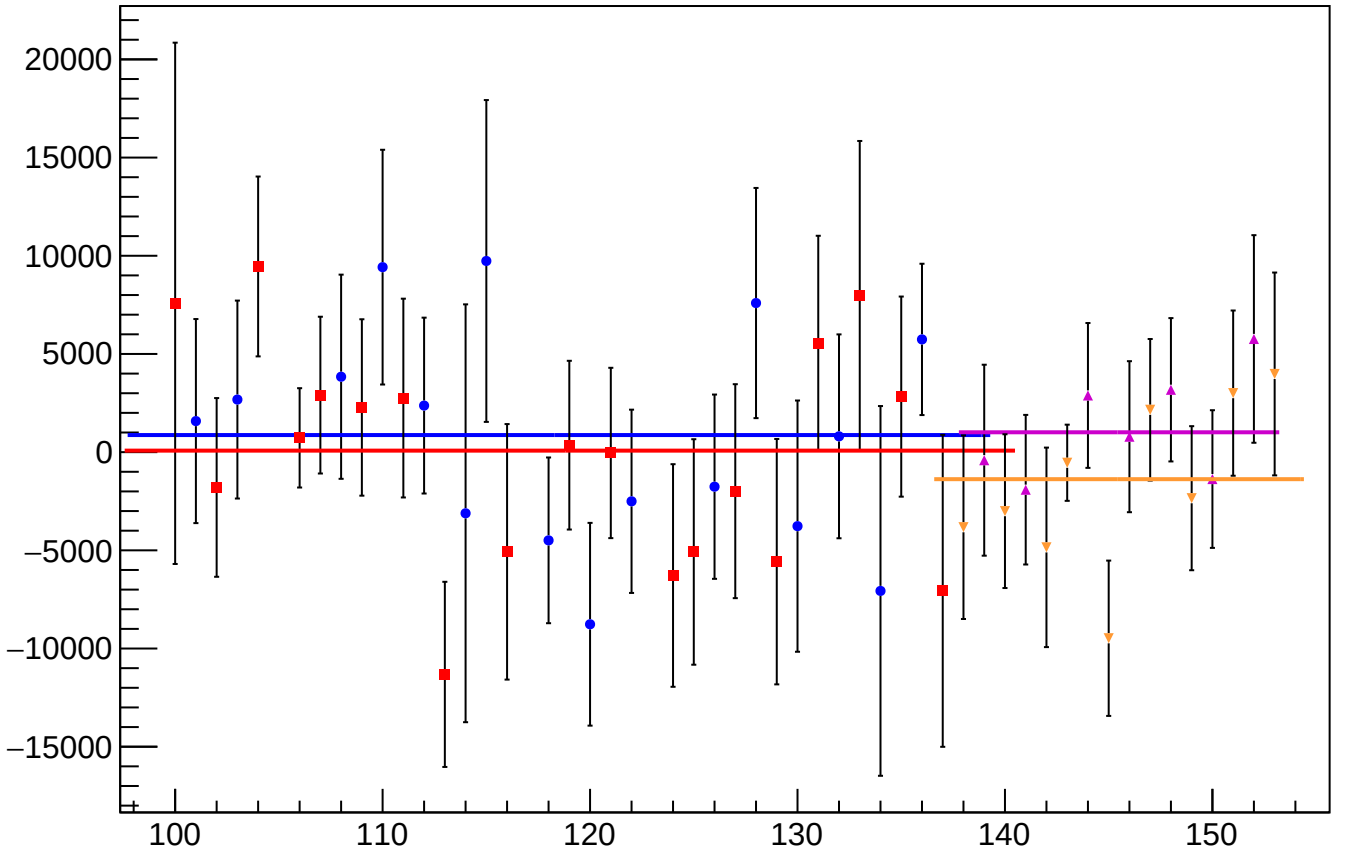
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1306.089+/-0.248 χ^2/NDF: 657098.8/24

All: 1300.263+/-0.176 χ^2/NDF: 990259.1/50

- sign 1294.258+/-0.251 χ^2/NDF: 332035.7/25



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1376.366+/-1174.533 χ^2/NDF:8.5/8

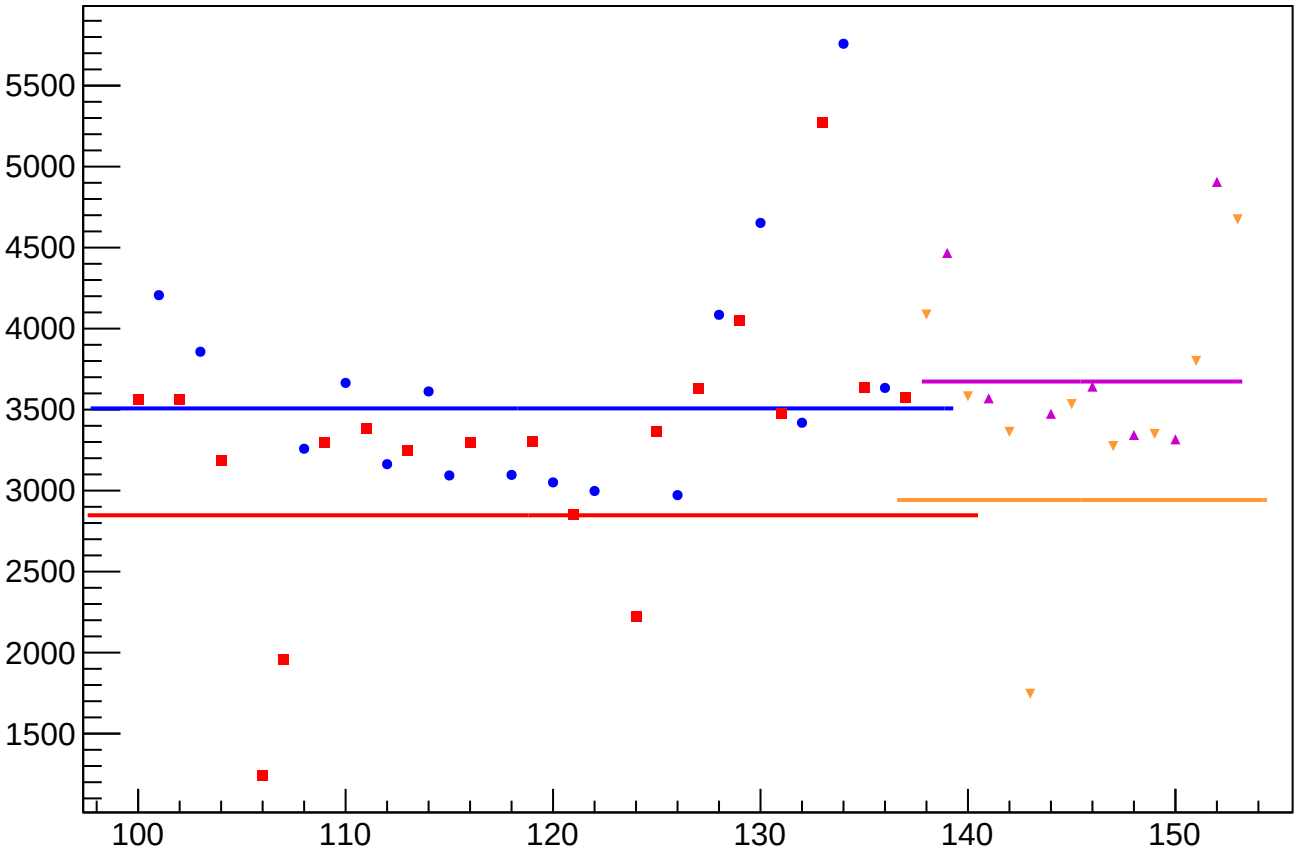
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1011.118+/-1499.665 χ^2/NDF:2.6/6

+ sign -388.024+/-879.006 χ^2/NDF: 24.1/24

All: 3.933+/-626.354 χ^2/NDF: 45.7/50

- sign 408.244+/-892.752 χ^2/NDF: 21.2/25



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2941.812+/-0.831 χ^2/NDF:1342546.7/8

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

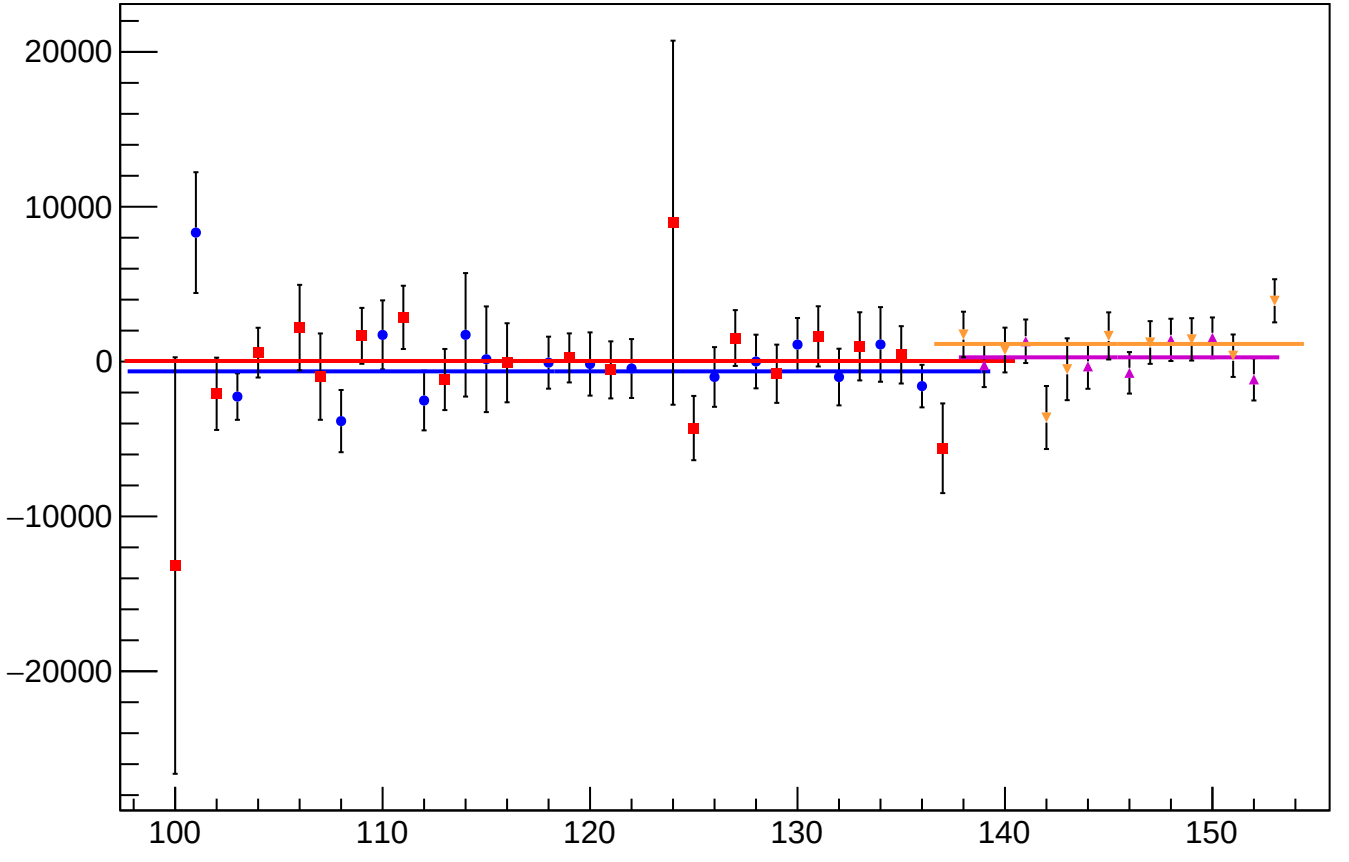
Left In: 3673.333+/-1.060 χ^2/NDF:206565.8/6

+ sign 3190.622+/-0.622 χ^2/NDF: 1900542.4/24

All: 3165.888+/-0.443 χ^2/NDF: 4000945.1/50

- sign 3140.376+/-0.631 χ^2/NDF: 2097185.8/25

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.012+/-501.771 χ^2/NDF:10.8/8

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

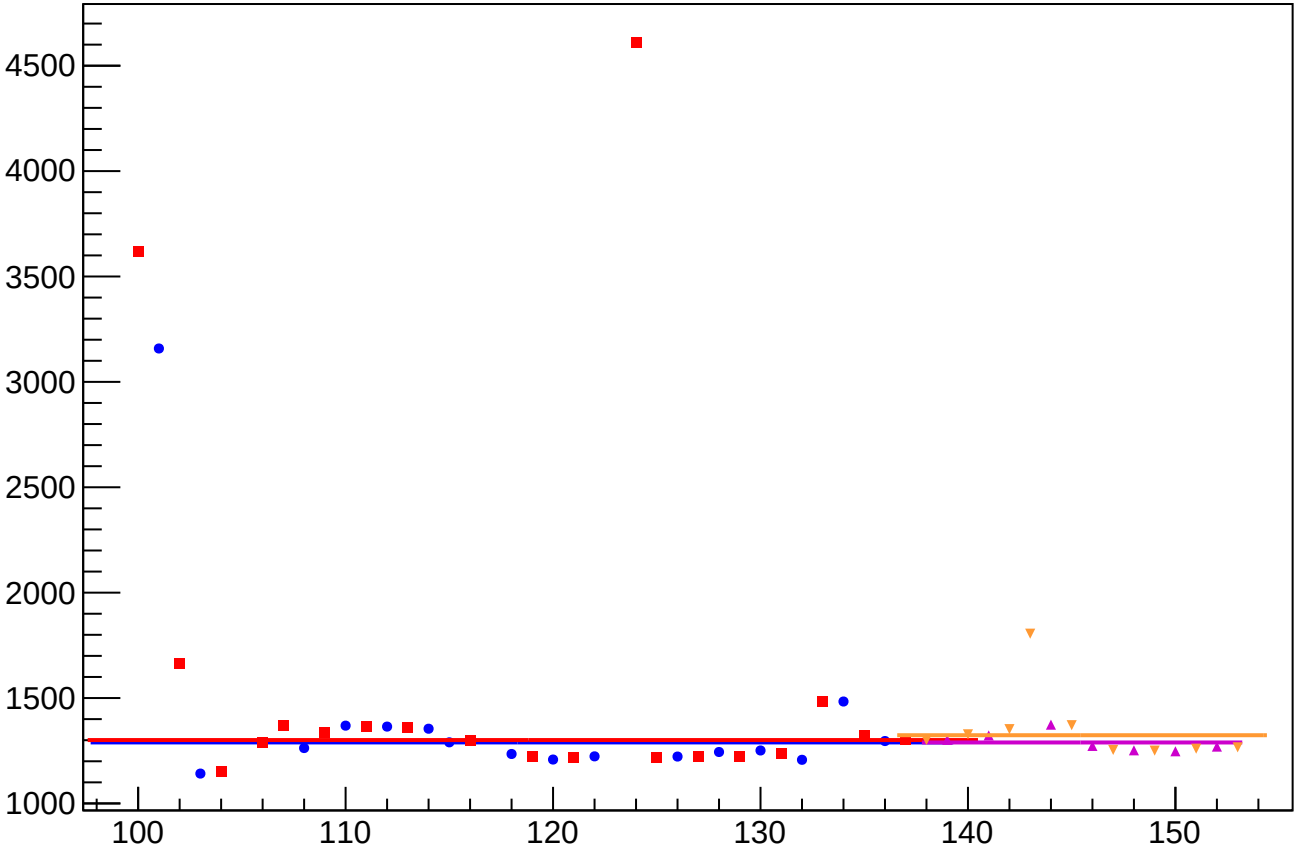
Left In: 274.899+/-520.586 χ^2/NDF:4.1/6

\+ sign 230.365+/-350.079 χ^2/NDF: 31.1/24

All: 190.449+/-249.632 χ^2/NDF: 51.6/50

\- sign 149.156+/-356.064 χ^2/NDF: 20.5/25

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

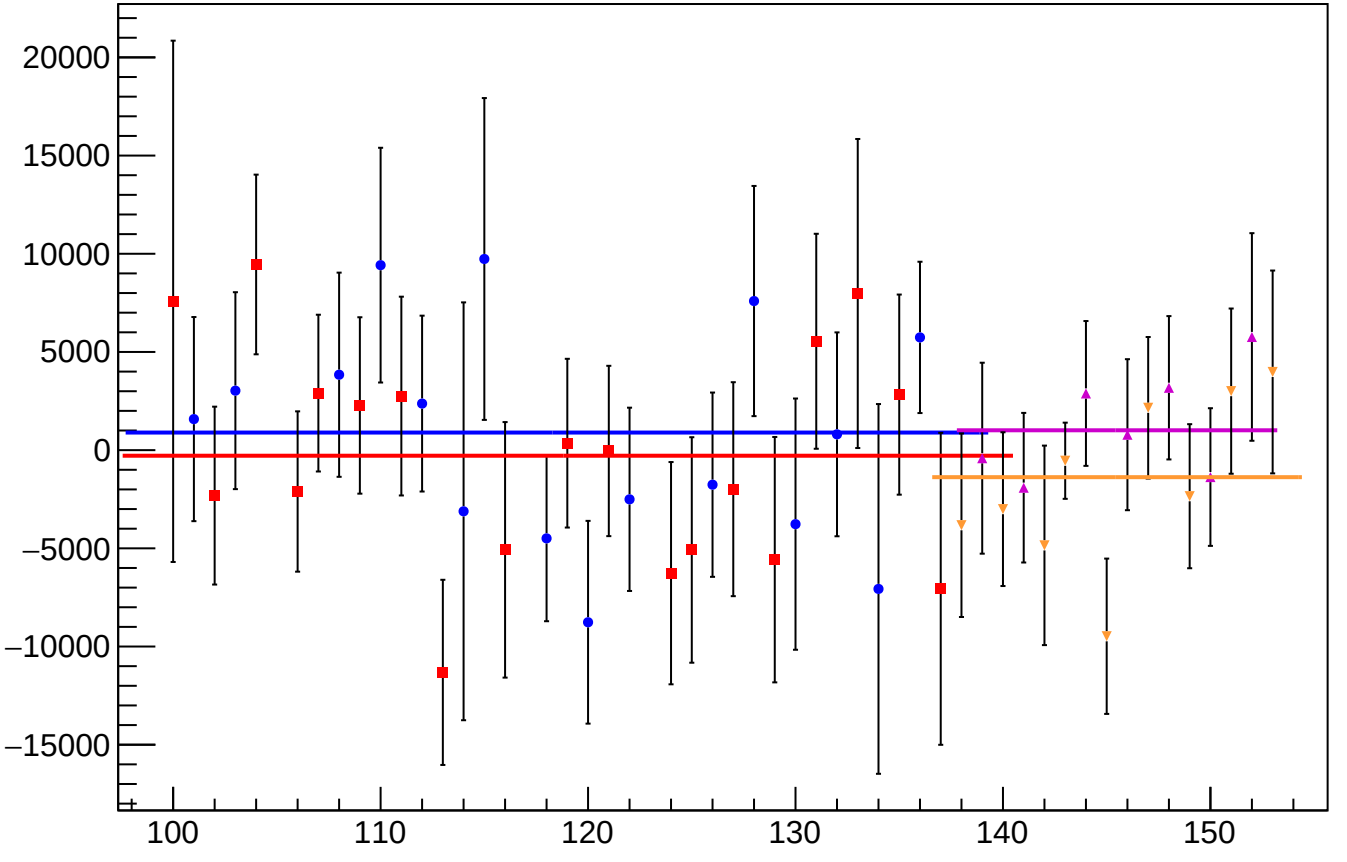
Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1306.089+/-0.248 χ^2/NDF: 657100.3/24

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1376.293+/-1174.530 χ^2/NDF:8.5/8

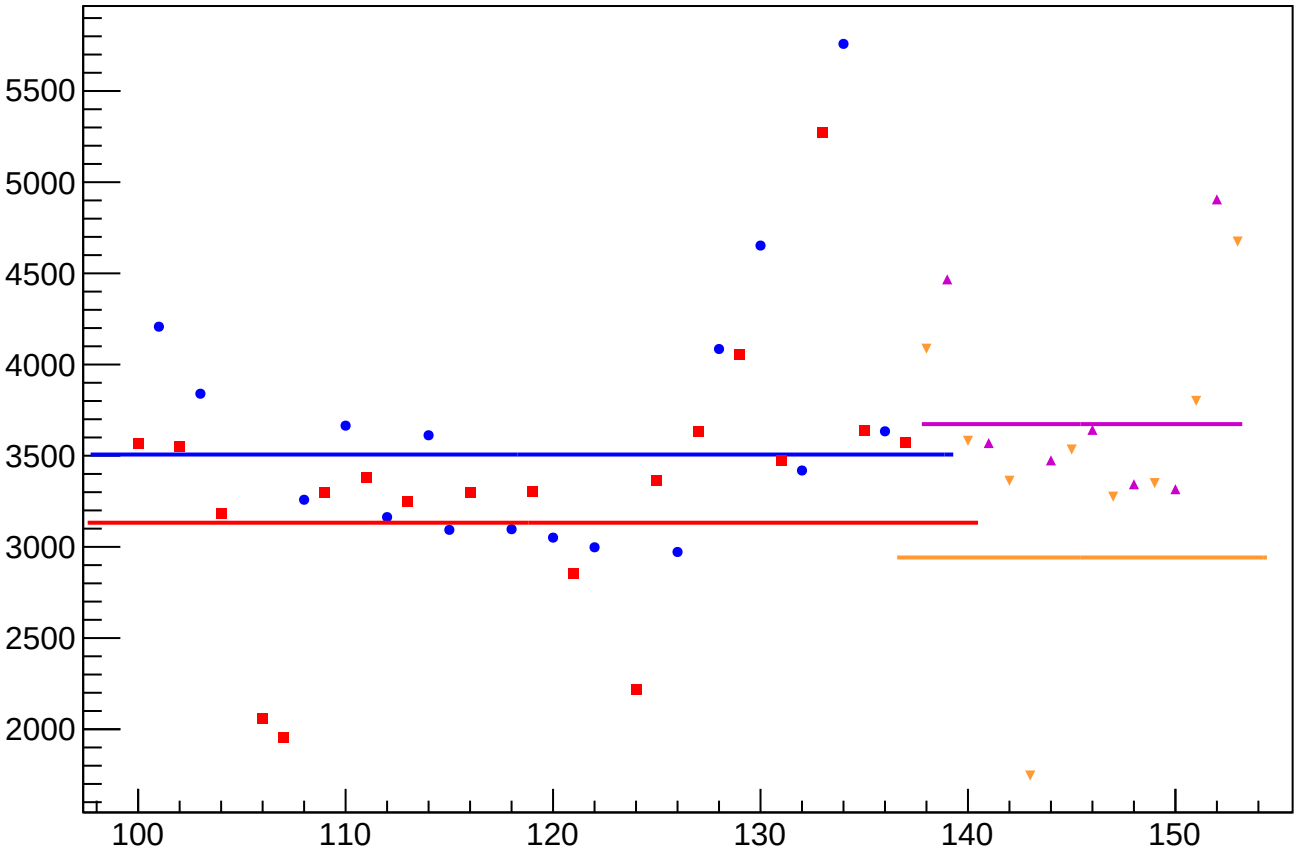
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1011.150+/-1499.663 χ^2/NDF:2.6/6

+ sign -376.286+/-878.872 χ^2/NDF: 24.2/24

All: -97.977+/-638.405 χ^2/NDF: 46.1/50

- sign 212.907+/-928.884 χ^2/NDF: 21.6/25



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

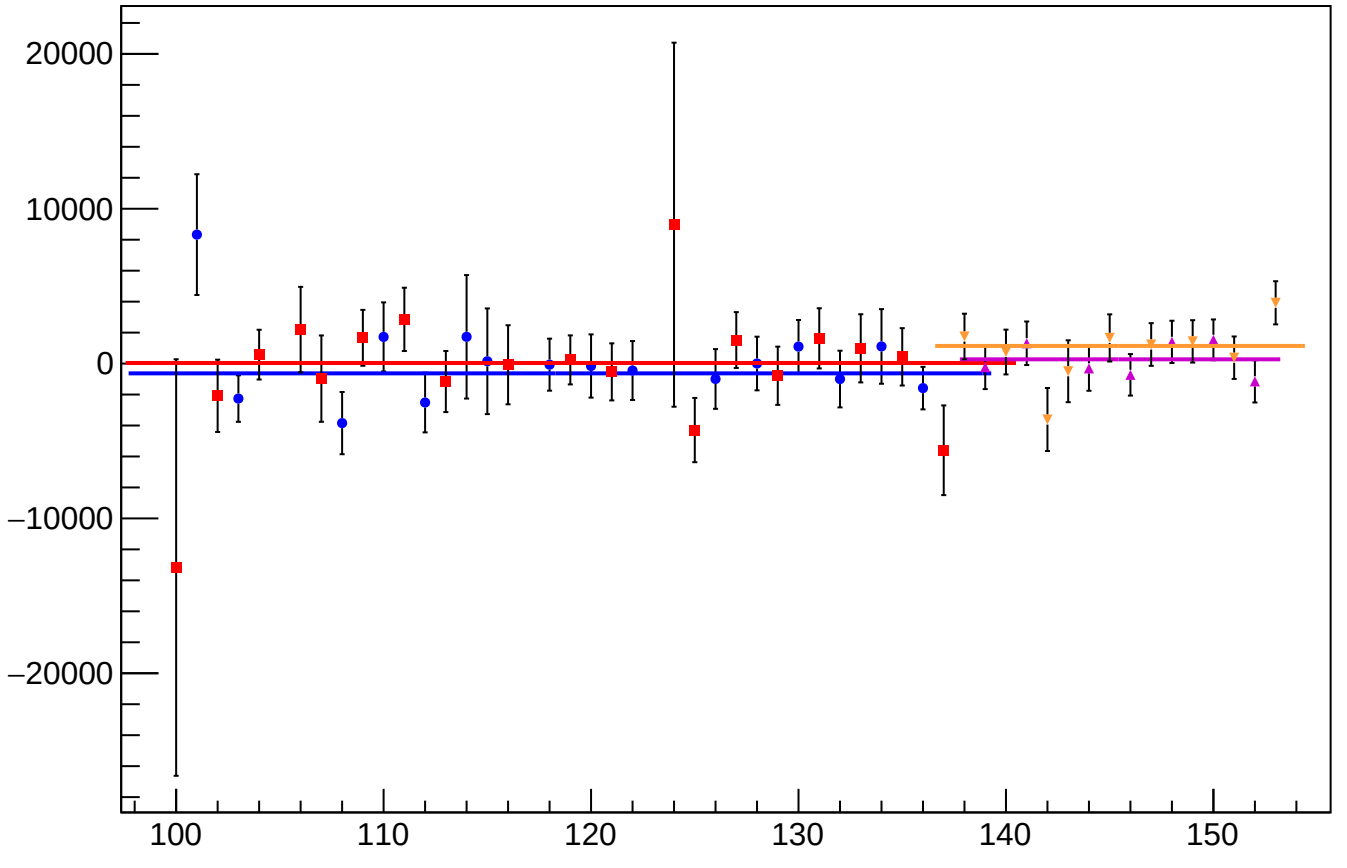
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

+ sign 3190.309+/-0.621 χ^2/NDF: 1899251.5/24

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50

- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.012+/-501.771 χ^2/NDF:10.8/8

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

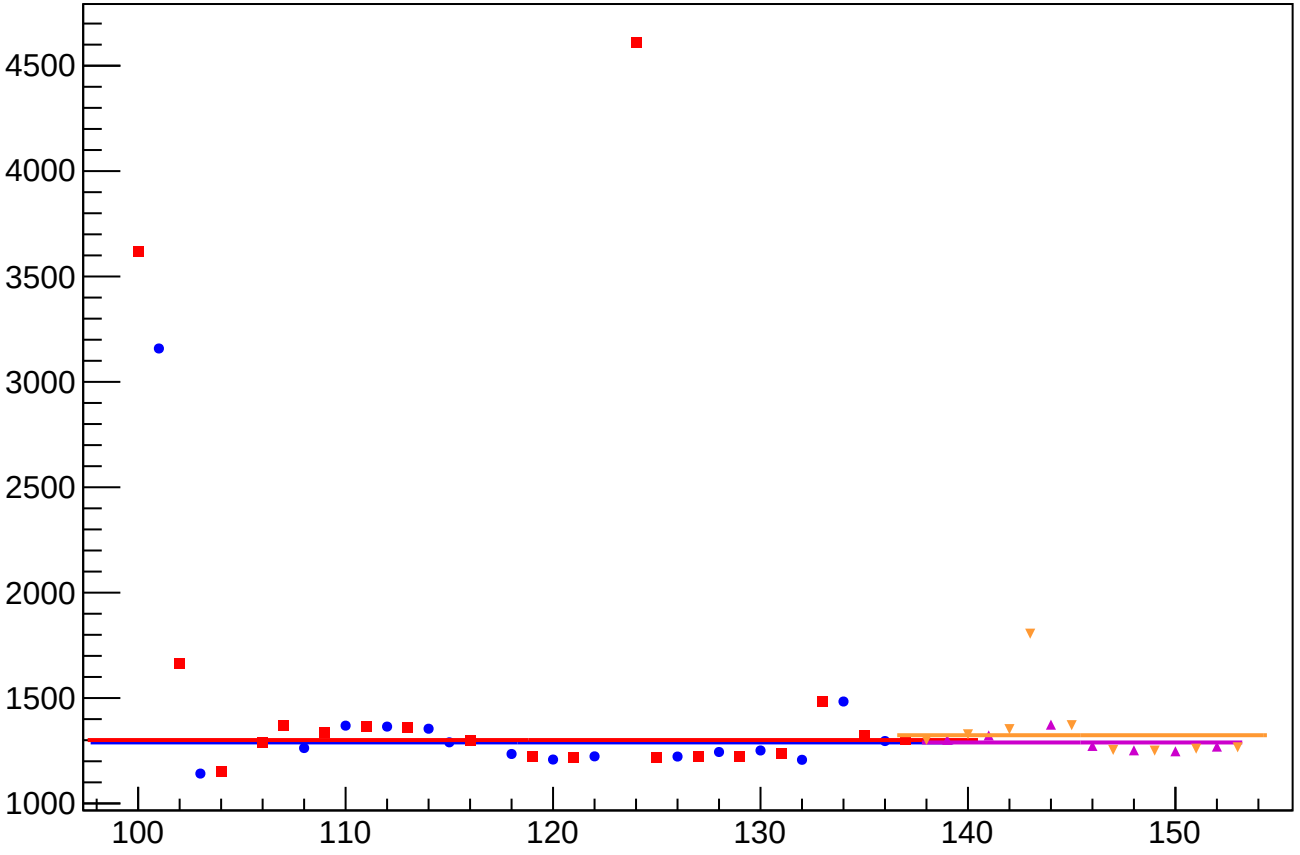
Left In: 274.899+/-520.586 χ^2/NDF:4.1/6

+ sign 230.365+/-350.079 χ^2/NDF: 31.1/24

All: 190.449+/-249.632 χ^2/NDF: 51.6/50

- sign 149.156+/-356.064 χ^2/NDF: 20.5/25

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

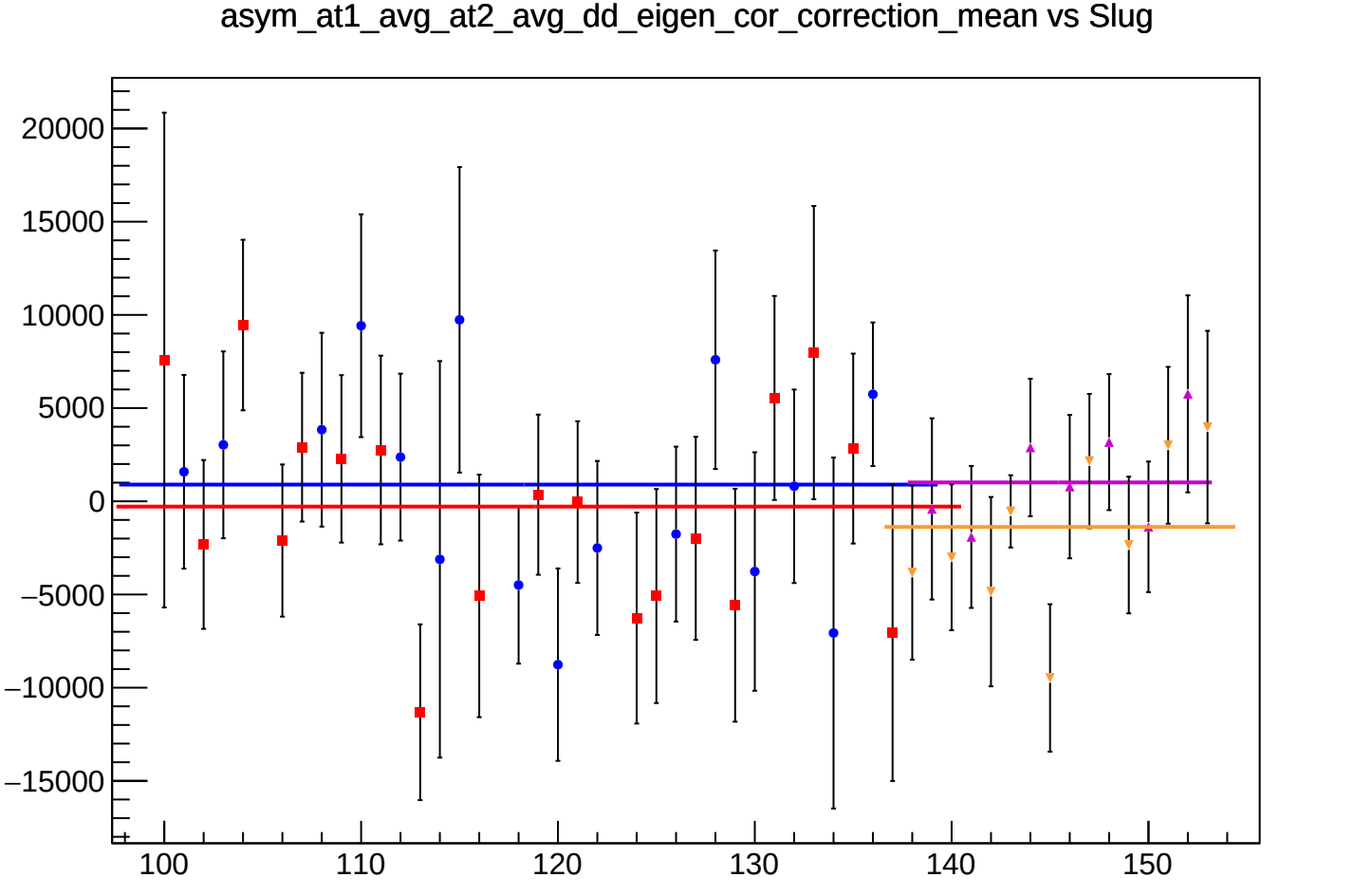
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

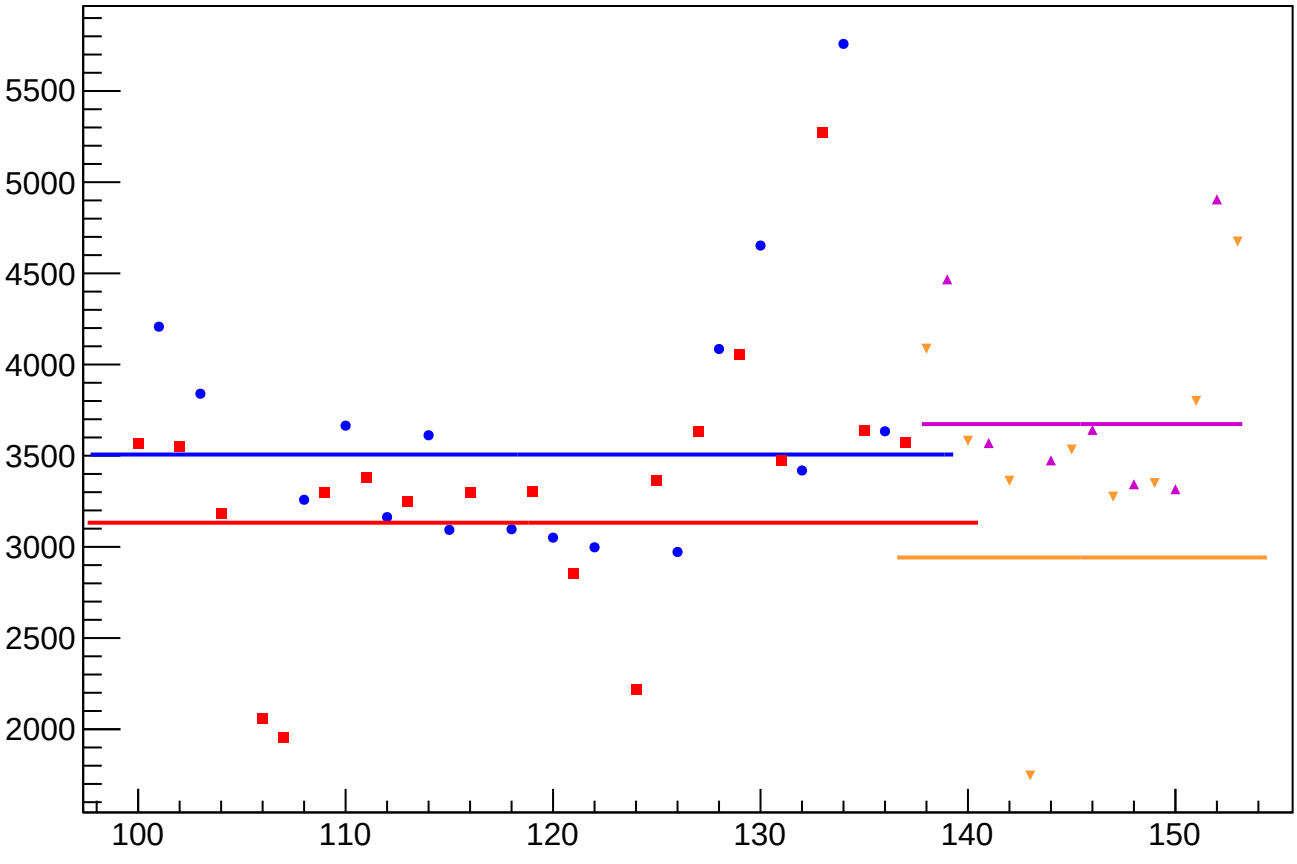
Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1306.089+/-0.248 χ^2/NDF: 657100.3/24

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1376.293+/-1174.530 χ²/NDF:8.5/8
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1011.150+/-1499.663 χ²/NDF:2.6/6
+ sign -376.286+/-878.872 χ²/NDF: 24.2/24
All: -97.977+/-638.405 χ²/NDF: 46.1/50
- sign 212.907+/-928.884 χ²/NDF: 21.6/25



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

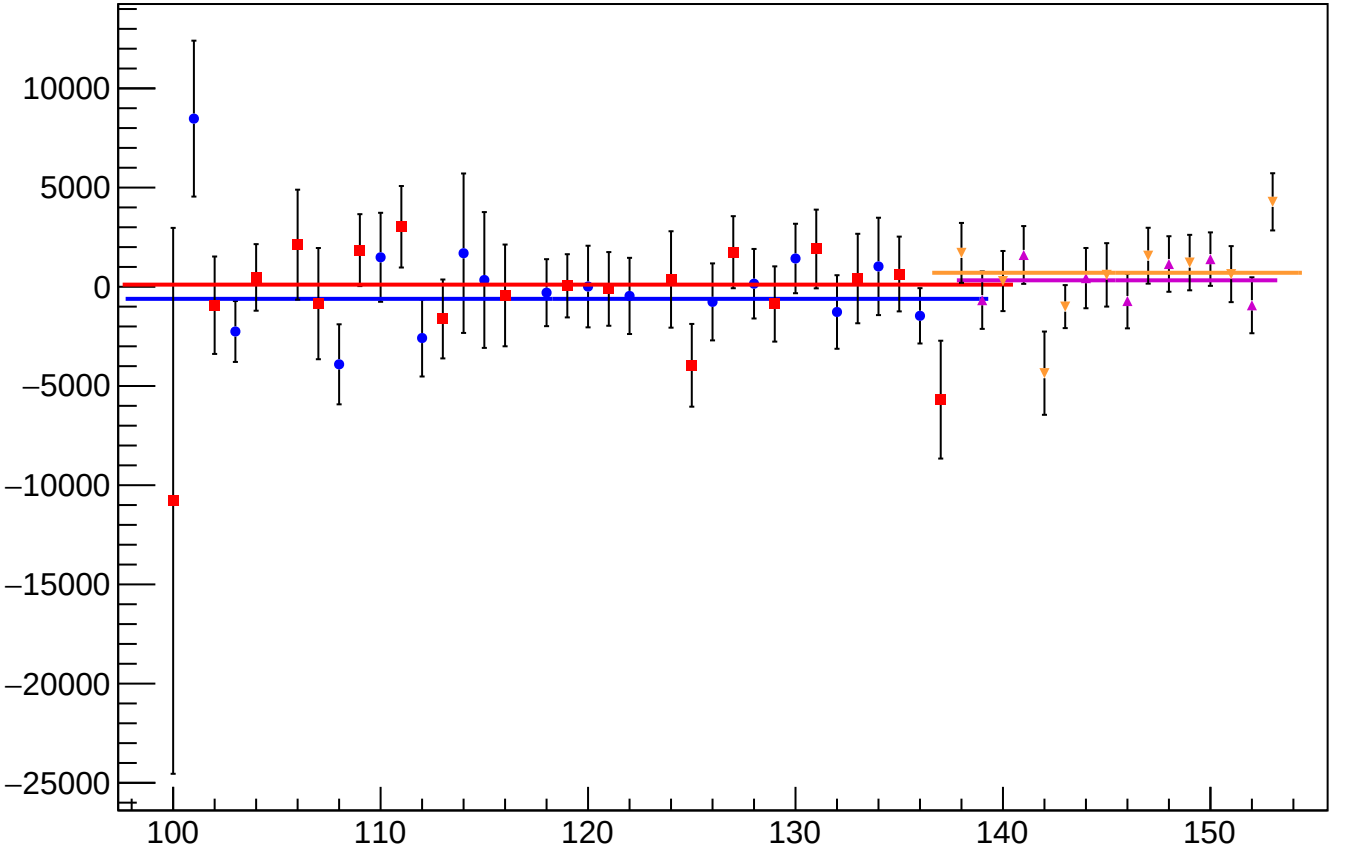
Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

+ sign 3190.309+/-0.621 χ^2/NDF: 1899251.5/24

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50

- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.143+/-479.864 χ^2/NDF:15.5/8

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

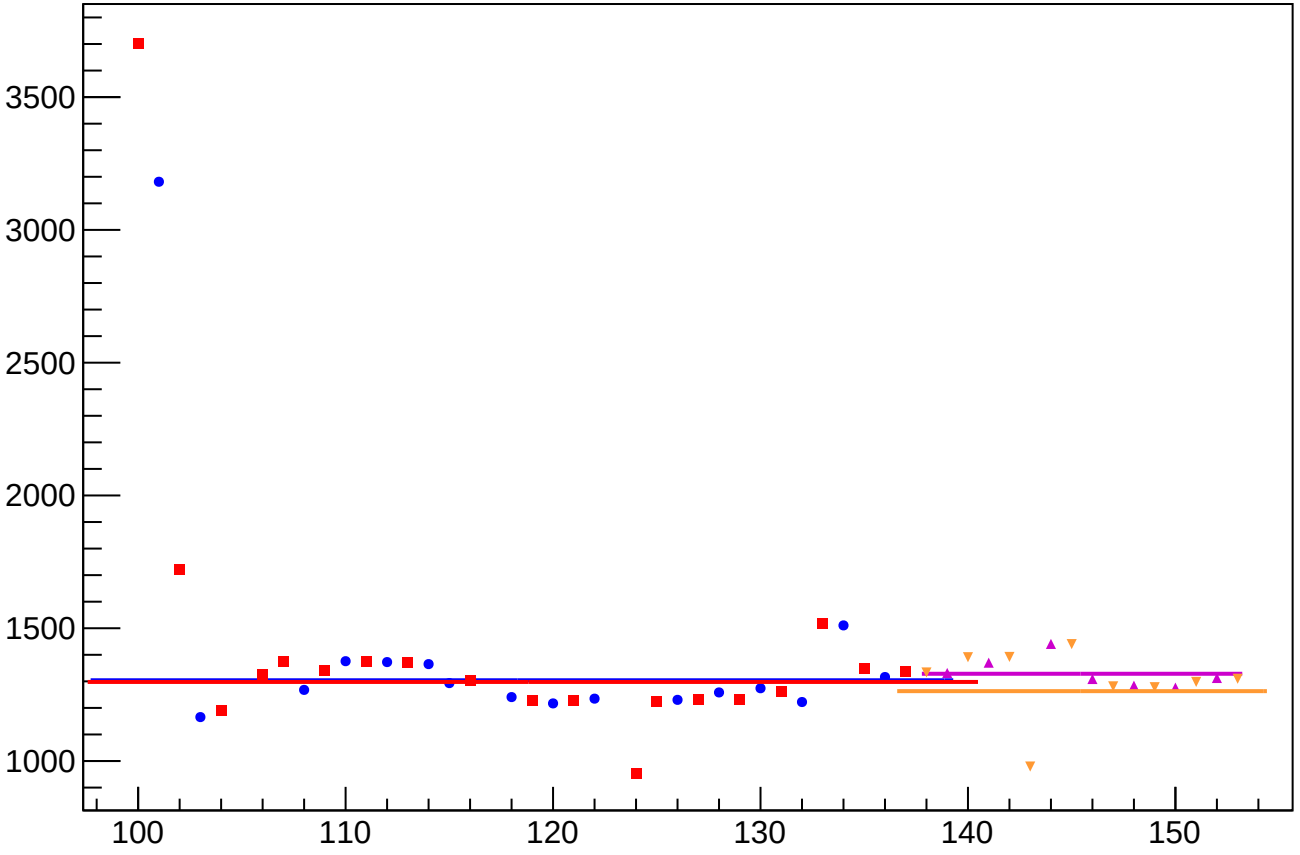
Left In: 326.169+/-536.661 χ^2/NDF:3.6/6

+ sign 68.467+/-344.266 χ^2/NDF: 33.2/24

All: 134.410+/-248.827 χ^2/NDF: 51.9/50

- sign 206.541+/-360.054 χ^2/NDF: 18.6/25

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1263.148+/-0.339 χ^2/NDF:191690.1/8

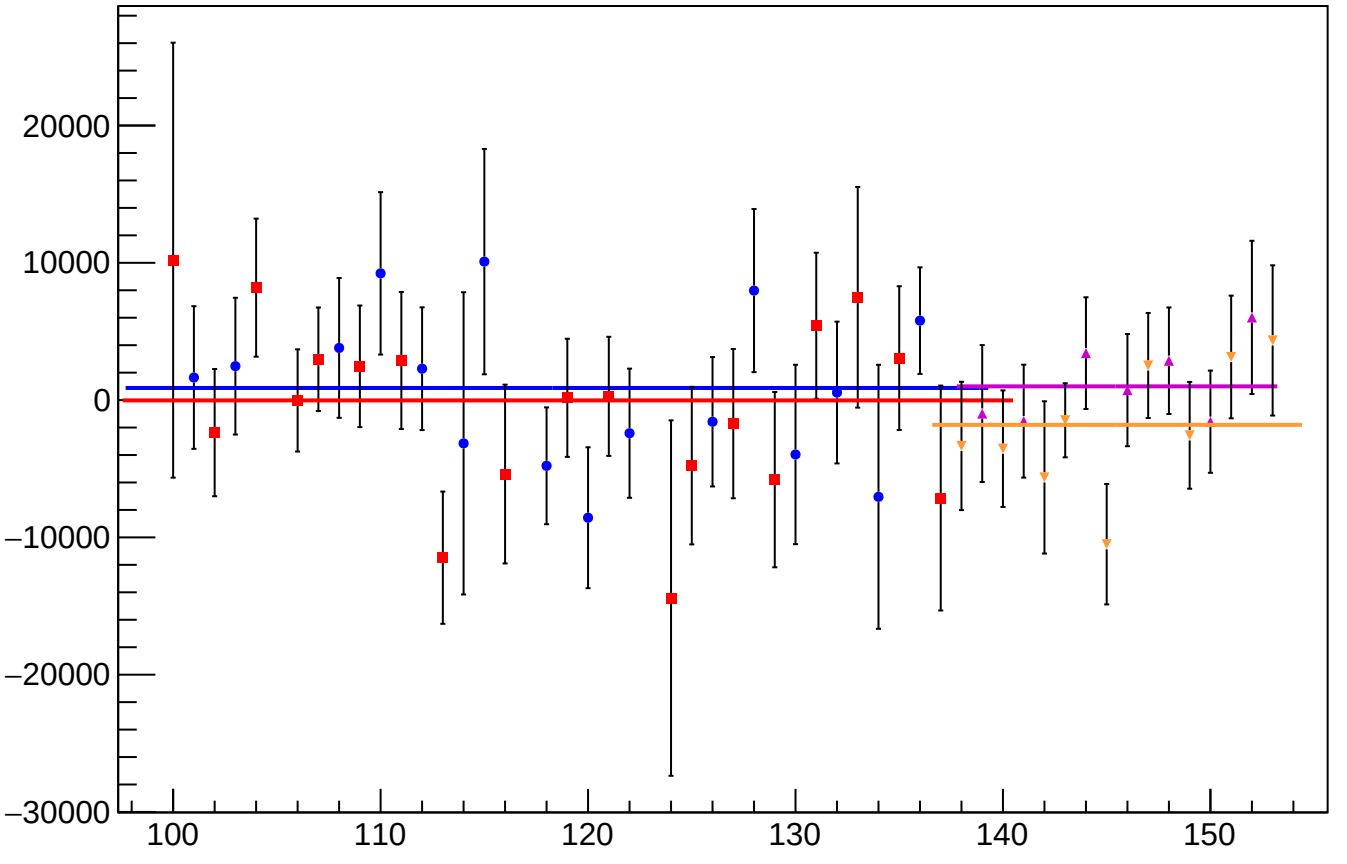
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1328.595+/-0.379 χ^2/NDF:18306.6/6

+ sign 1283.023+/-0.243 χ^2/NDF: 709349.4/24

All: 1296.700+/-0.176 χ^2/NDF: 950983.9/50

- sign 1311.648+/-0.254 χ^2/NDF: 235028.0/25



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1801.409+/-1359.434 χ^2/NDF:8.5/8

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

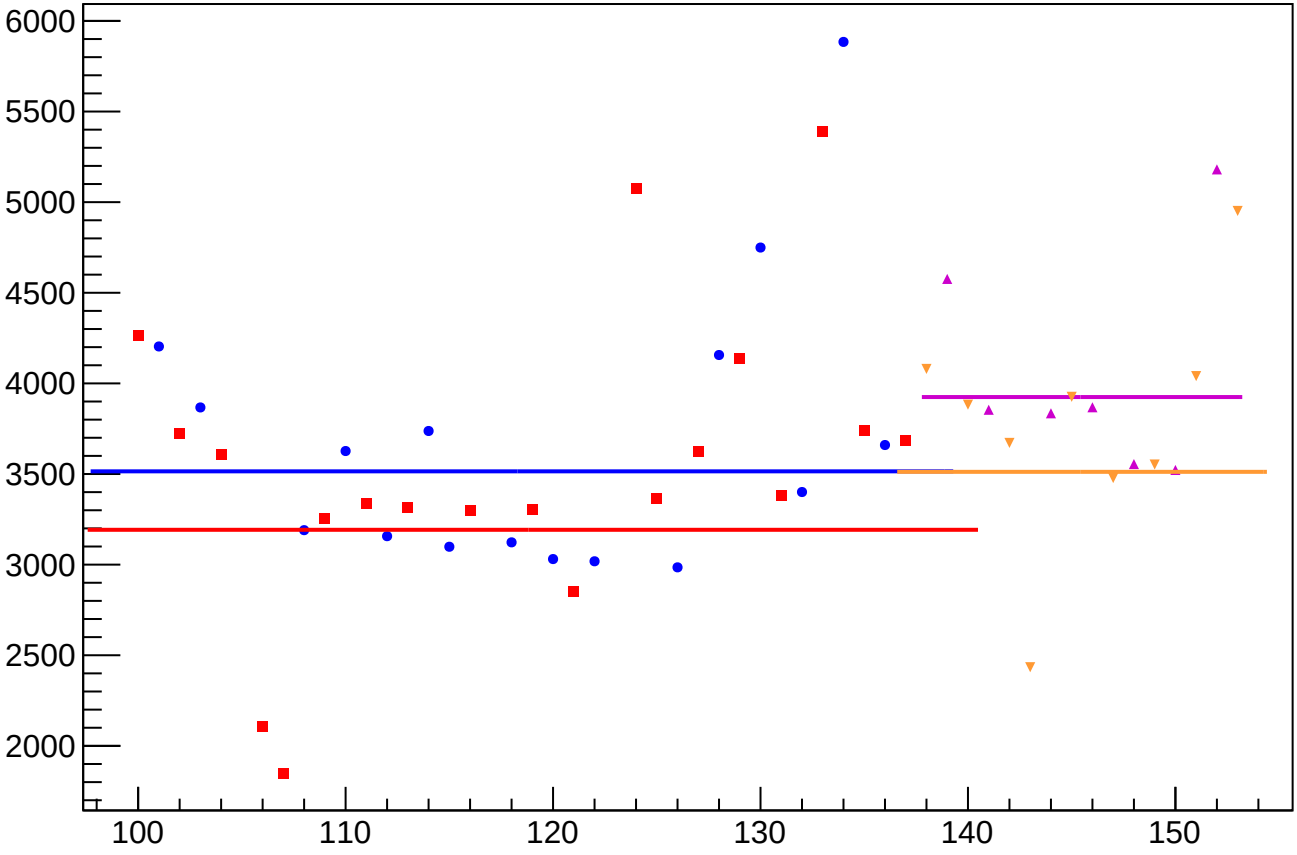
Left In: 1000.552+/-1600.800 χ^2/NDF:2.4/6

+ sign -426.661+/-949.736 χ^2/NDF: 24.6/24

All: -44.193+/-675.227 χ^2/NDF: 44.4/50

- sign 346.733+/-960.180 χ^2/NDF: 19.5/25

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3512.006+/-0.961 χ^2/NDF:550482.3/8

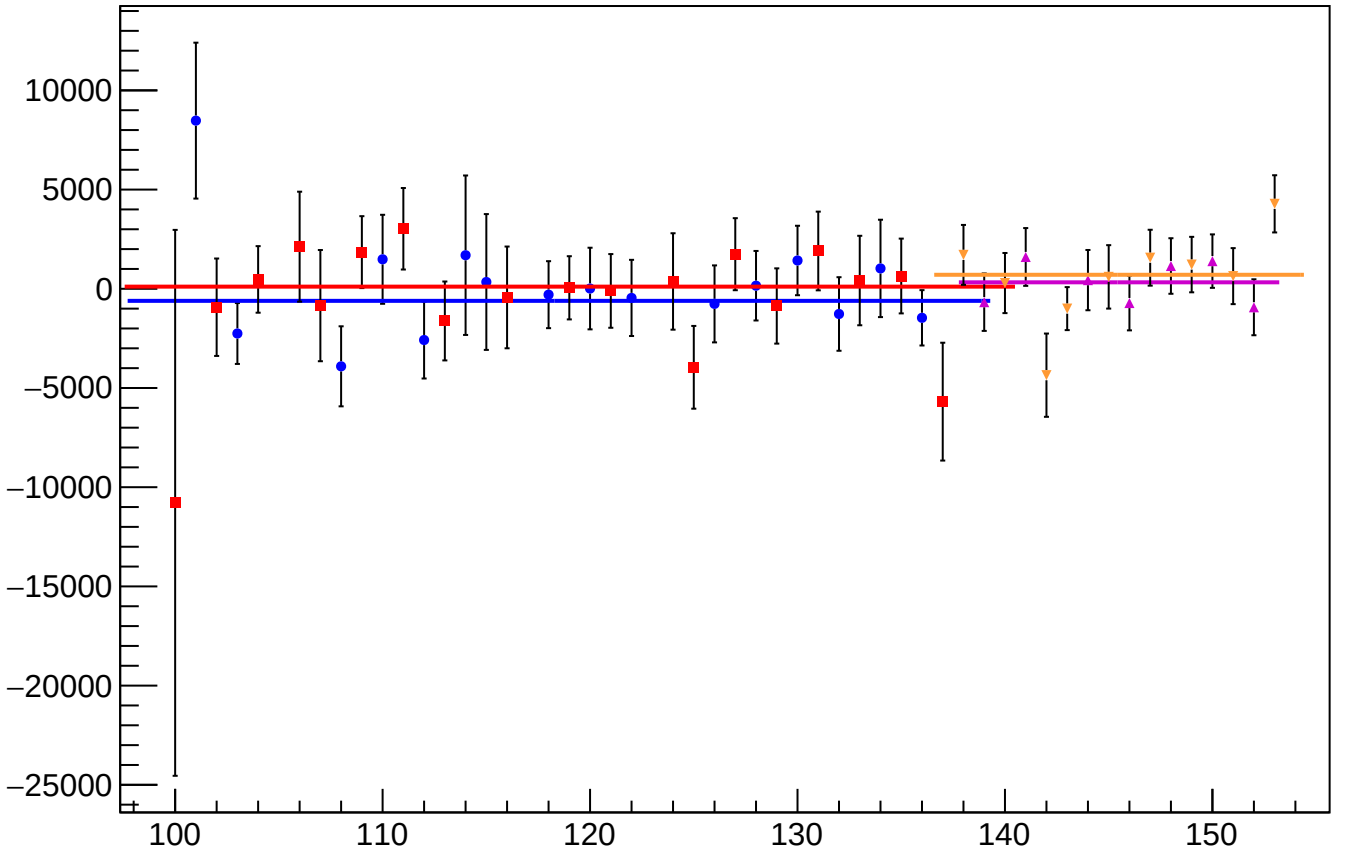
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3924.685+/-1.132 χ^2/NDF:178886.7/6

+ sign 3513.409+/-0.672 χ^2/NDF: 925565.1/24

All: 3484.886+/-0.477 χ^2/NDF: 2148685.8/50

- sign 3455.732+/-0.679 χ^2/NDF: 1219473.0/25



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.142+/-479.864 χ^2/NDF:15.5/8

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

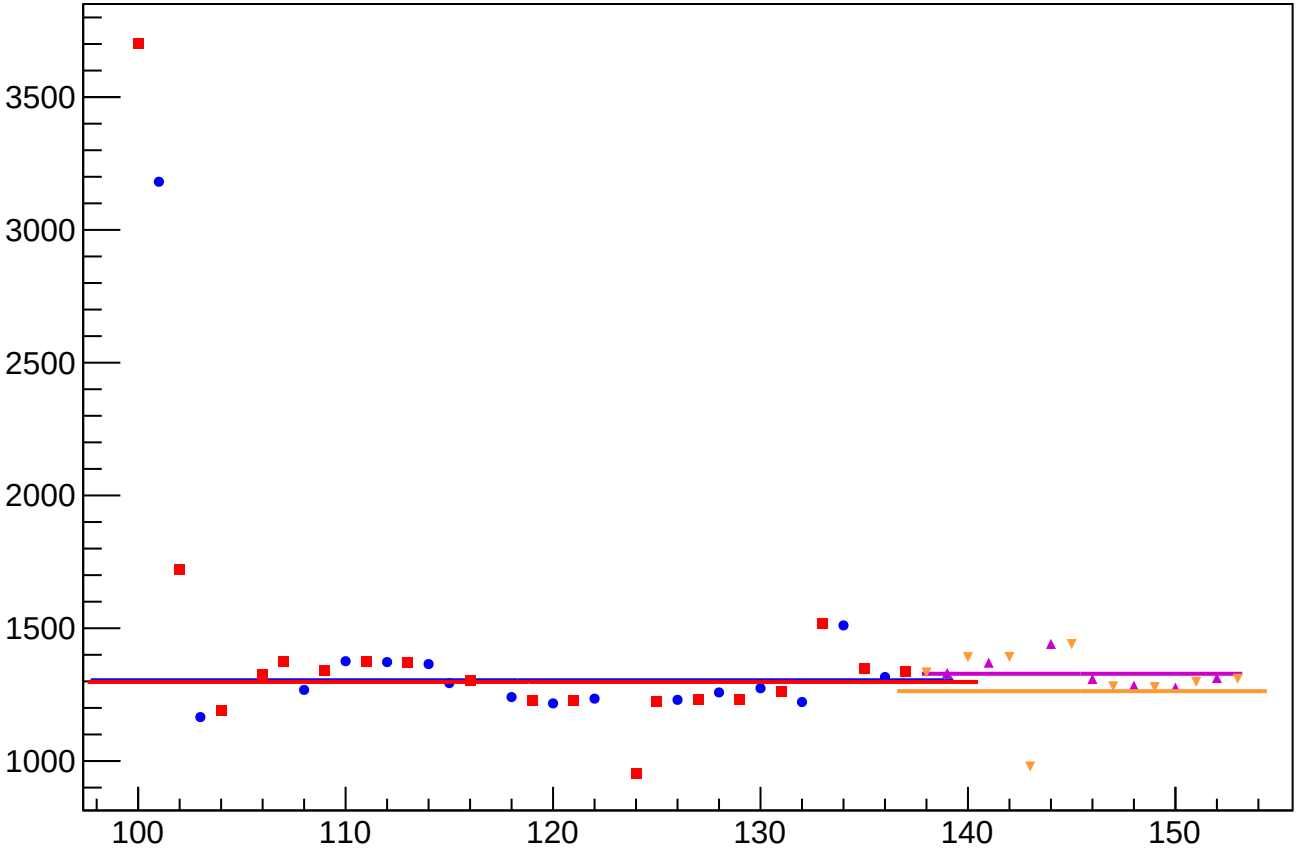
Left In: 326.168+/-536.661 χ^2/NDF:3.6/6

+ sign 68.464+/-344.266 χ^2/NDF: 33.2/24

All: 134.410+/-248.827 χ^2/NDF: 51.9/50

- sign 206.544+/-360.054 χ^2/NDF: 18.6/25

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1263.149+/-0.339 χ^2/NDF:191690.4/8

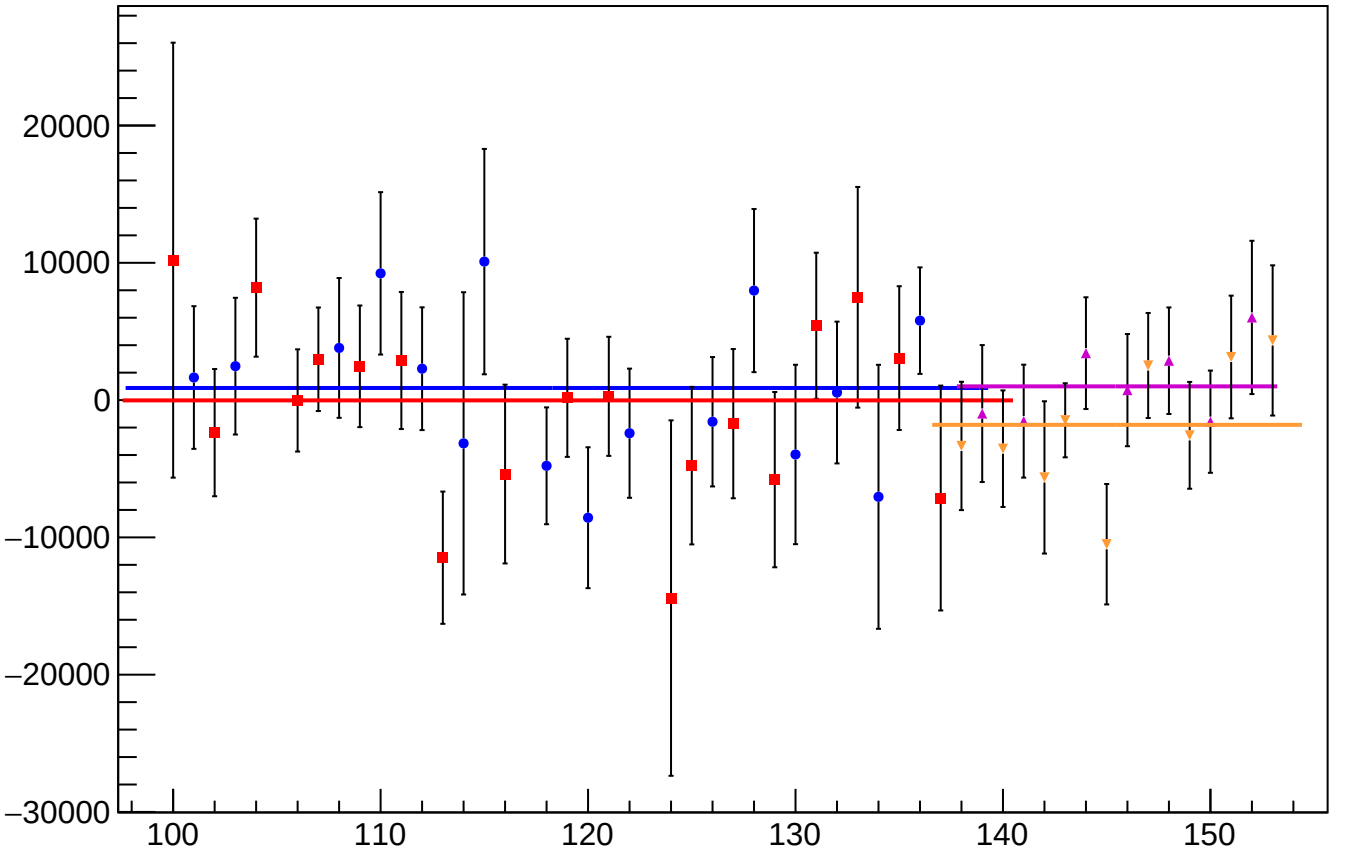
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1328.596+/-0.379 χ^2/NDF:18306.7/6

+ sign 1283.024+/-0.243 χ^2/NDF: 709349.4/24

All: 1296.701+/-0.176 χ^2/NDF: 950984.4/50

- sign 1311.649+/-0.254 χ^2/NDF: 235028.4/25



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1801.407+/-1359.436 χ^2/NDF:8.5/8

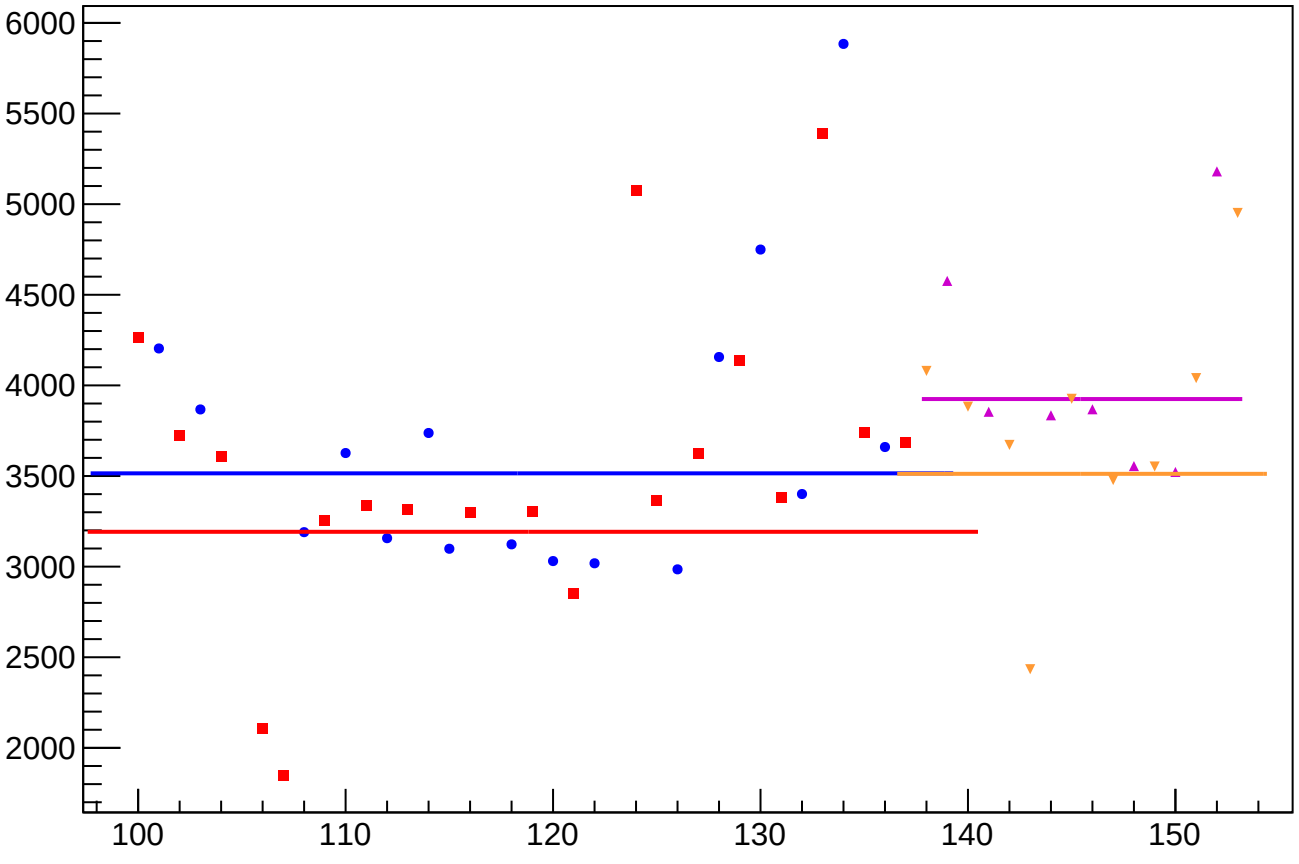
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1000.550+/-1600.802 χ^2/NDF:2.4/6

+ sign -426.661+/-949.736 χ^2/NDF: 24.6/24

All: -44.192+/-675.227 χ^2/NDF: 44.4/50

- sign 346.734+/-960.179 χ^2/NDF: 19.5/25



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3512.011+/-0.961 χ^2/NDF:550482.5/8

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

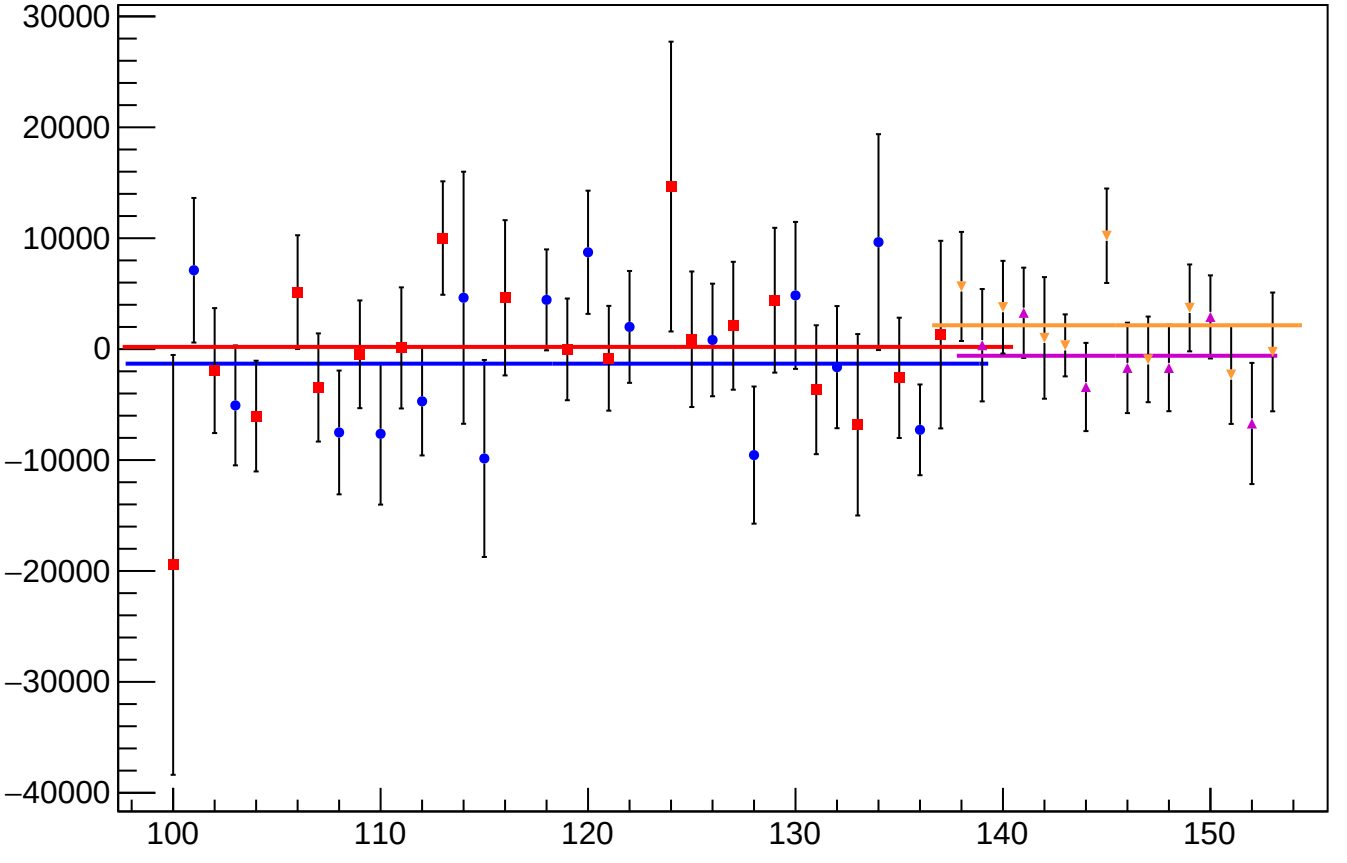
Left In: 3924.690+/-1.132 χ^2/NDF:178887.3/6

+ sign 3513.406+/-0.672 χ^2/NDF: 925569.5/24

All: 3484.882+/-0.477 χ^2/NDF: 2148702.6/50

- sign 3455.728+/-0.679 χ^2/NDF: 1219485.2/25

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2152.955+/-1370.040 χ^2/NDF:6.7/8

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

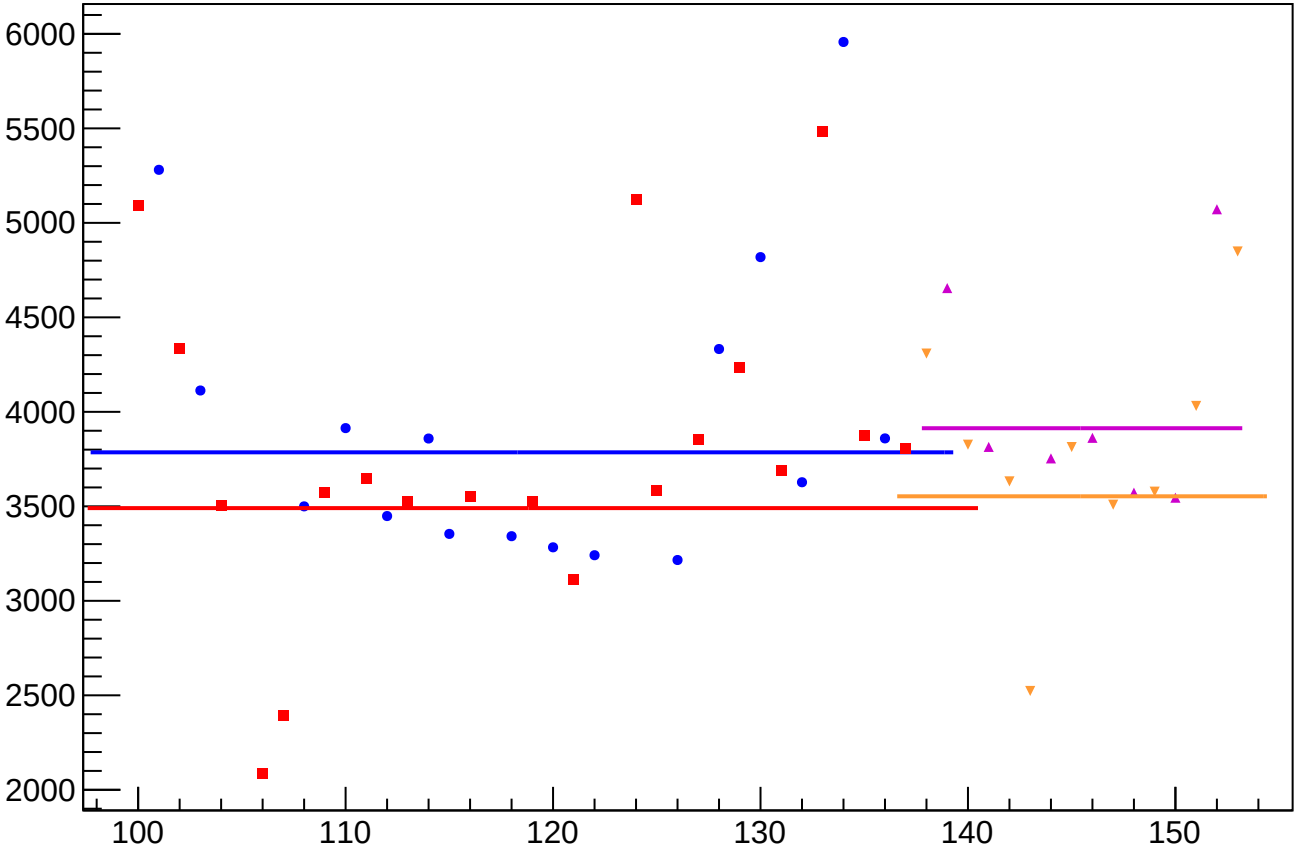
Left In: -596.327+/-1594.326 χ^2/NDF:3.7/6

+ sign 497.871+/-989.820 χ^2/NDF: 27.3/24

All: 195.765+/-711.696 χ^2/NDF: 43.0/50

- sign -127.586+/-1024.032 χ^2/NDF: 15.5/25

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3553.105+/-0.969 χ^2/NDF:475775.6/8

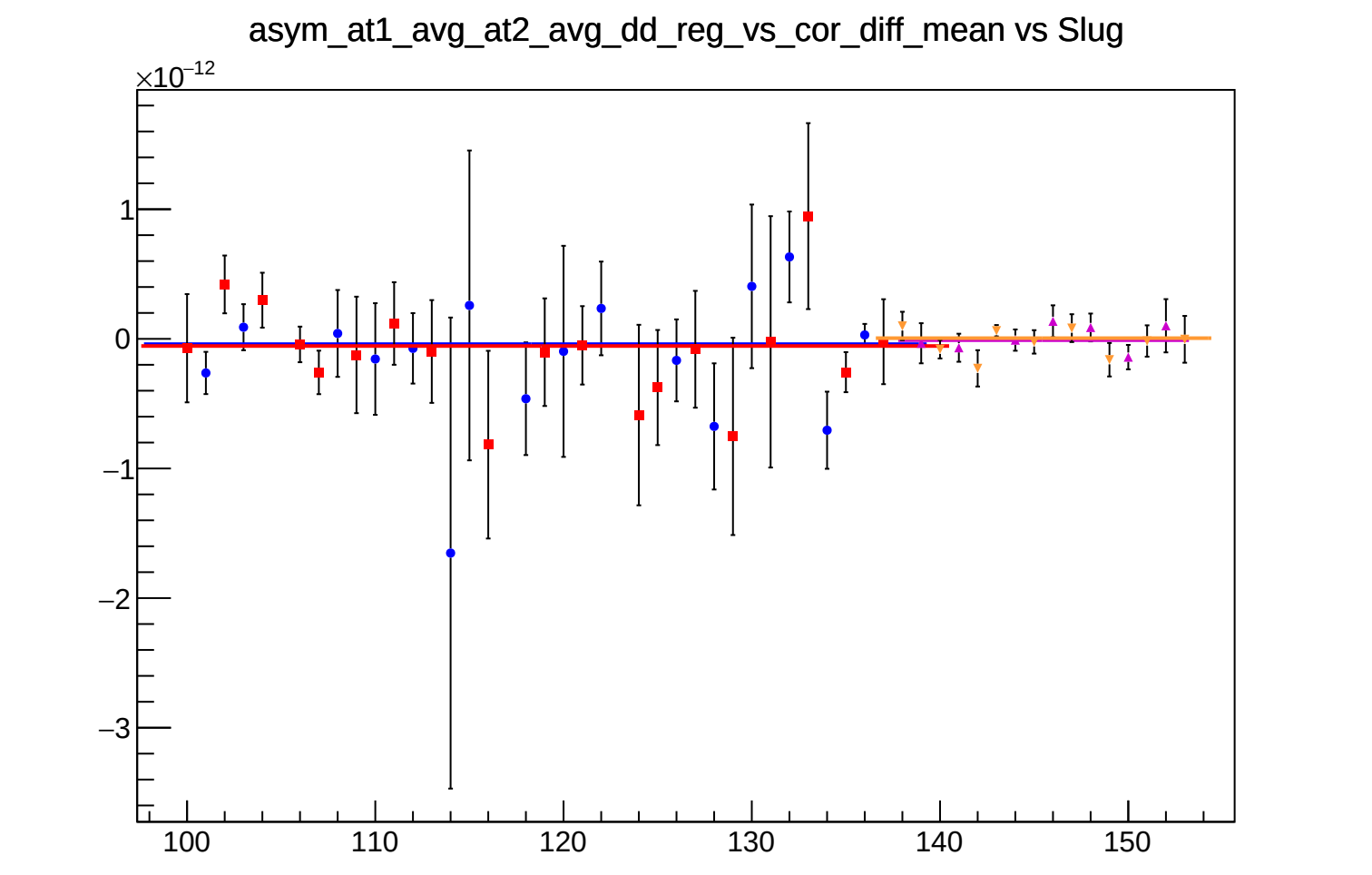
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3913.340+/-1.127 χ^2/NDF:172116.9/6

+ sign 3664.329+/-0.700 χ^2/NDF: 886342.2/24

All: 3663.293+/-0.501 χ^2/NDF: 1728709.5/50

- sign 3662.202+/-0.718 χ^2/NDF: 842362.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/8

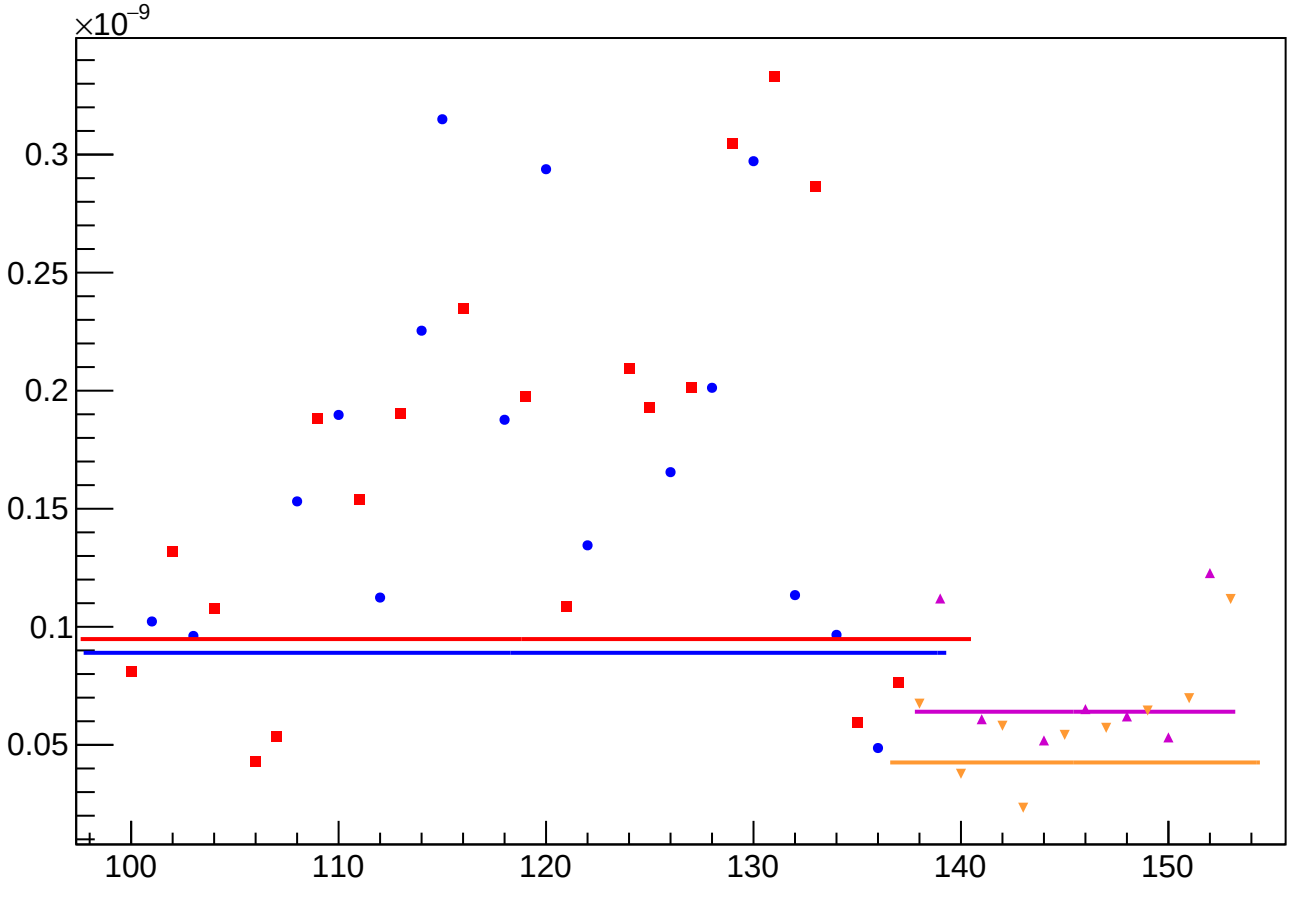
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 26.1/24

All: -0.000+/-0.000 χ^2/NDF: 47.3/50

- sign -0.000+/-0.000 χ^2/NDF: 21.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1041855.2/8

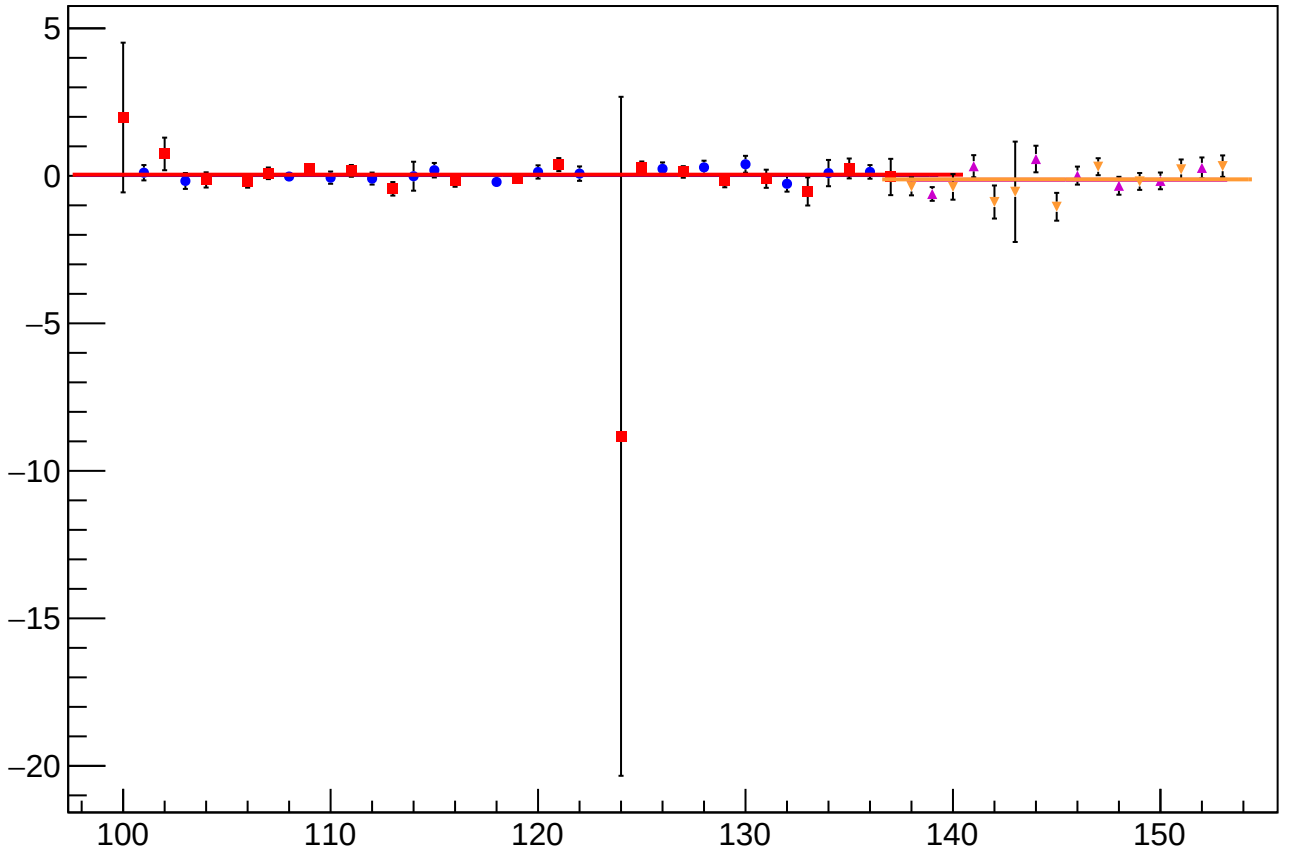
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:428699.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3505467.4/24

All: 0.000+/-0.000 χ^2/NDF: 6498122.6/50

- sign 0.000+/-0.000 χ^2/NDF: 2486384.4/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

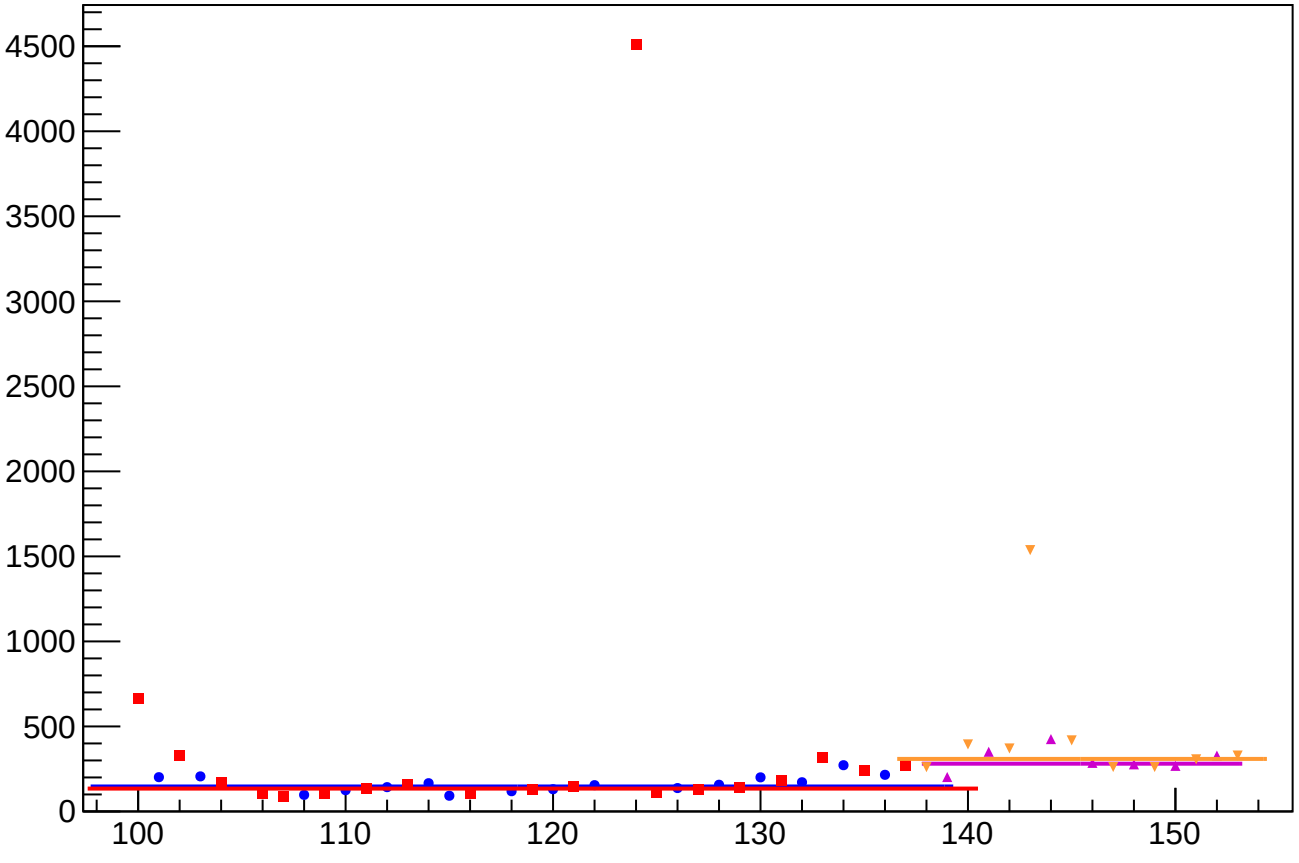
Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 309.010+/-0.088 χ^2/NDF:1418308.9/8

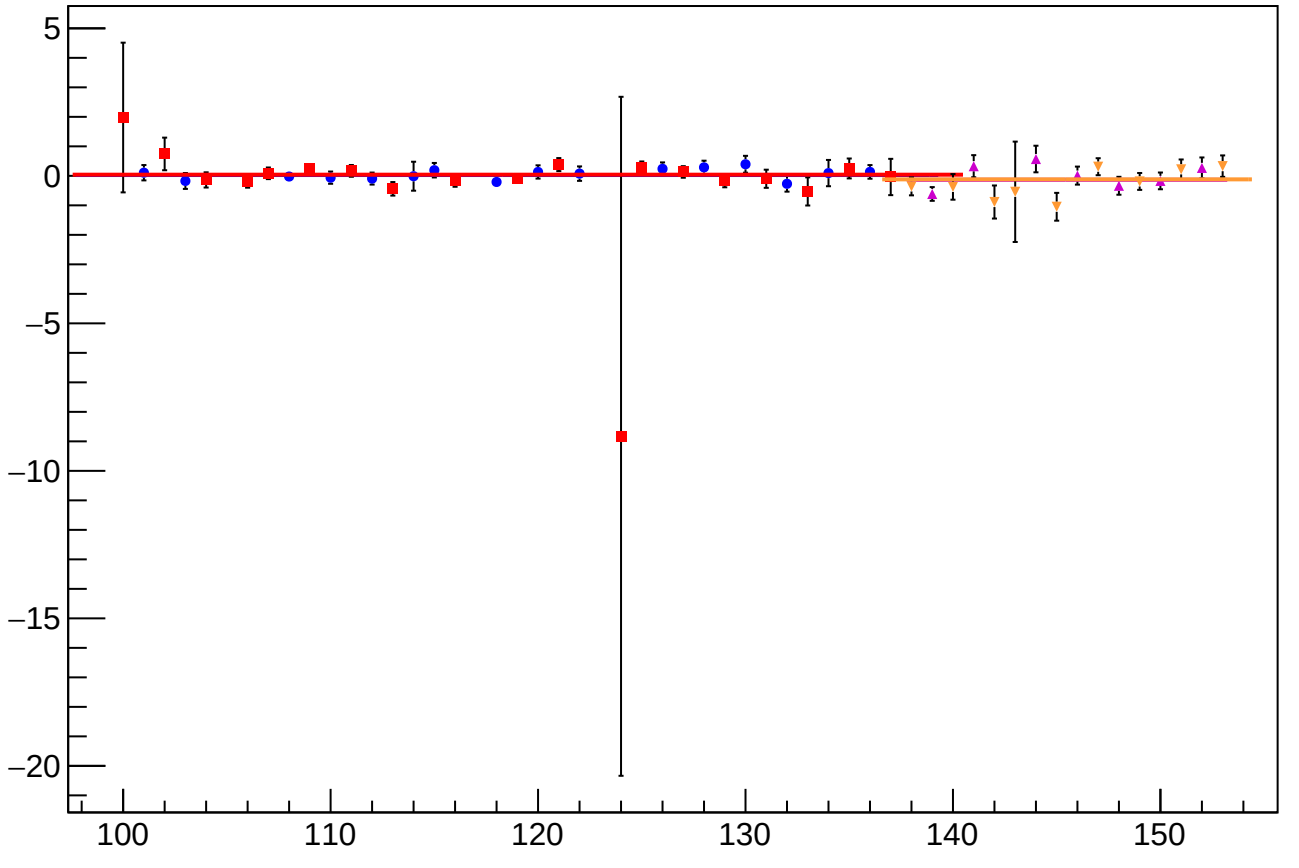
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229682.8/24

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

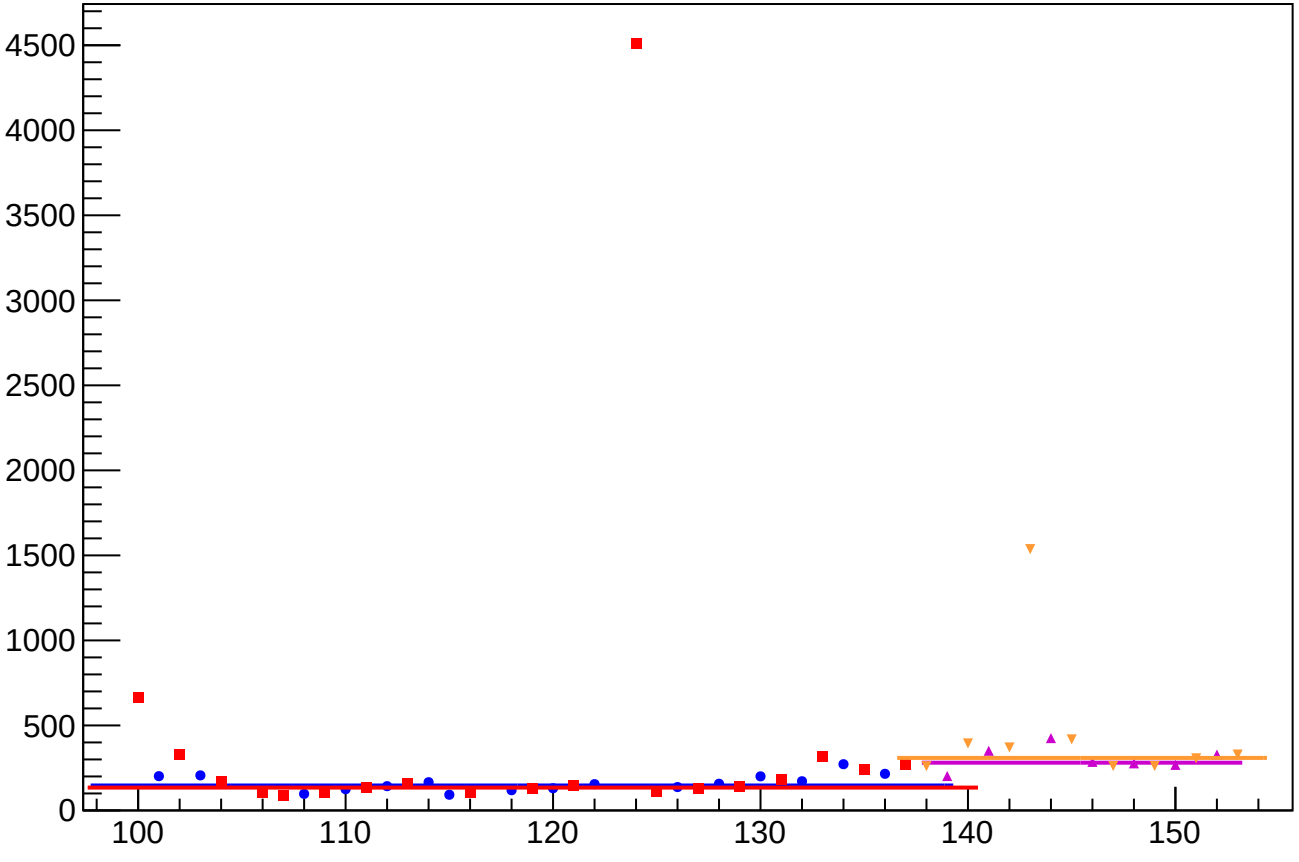
Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 309.010+/-0.088 χ^2/NDF:1418308.9/8

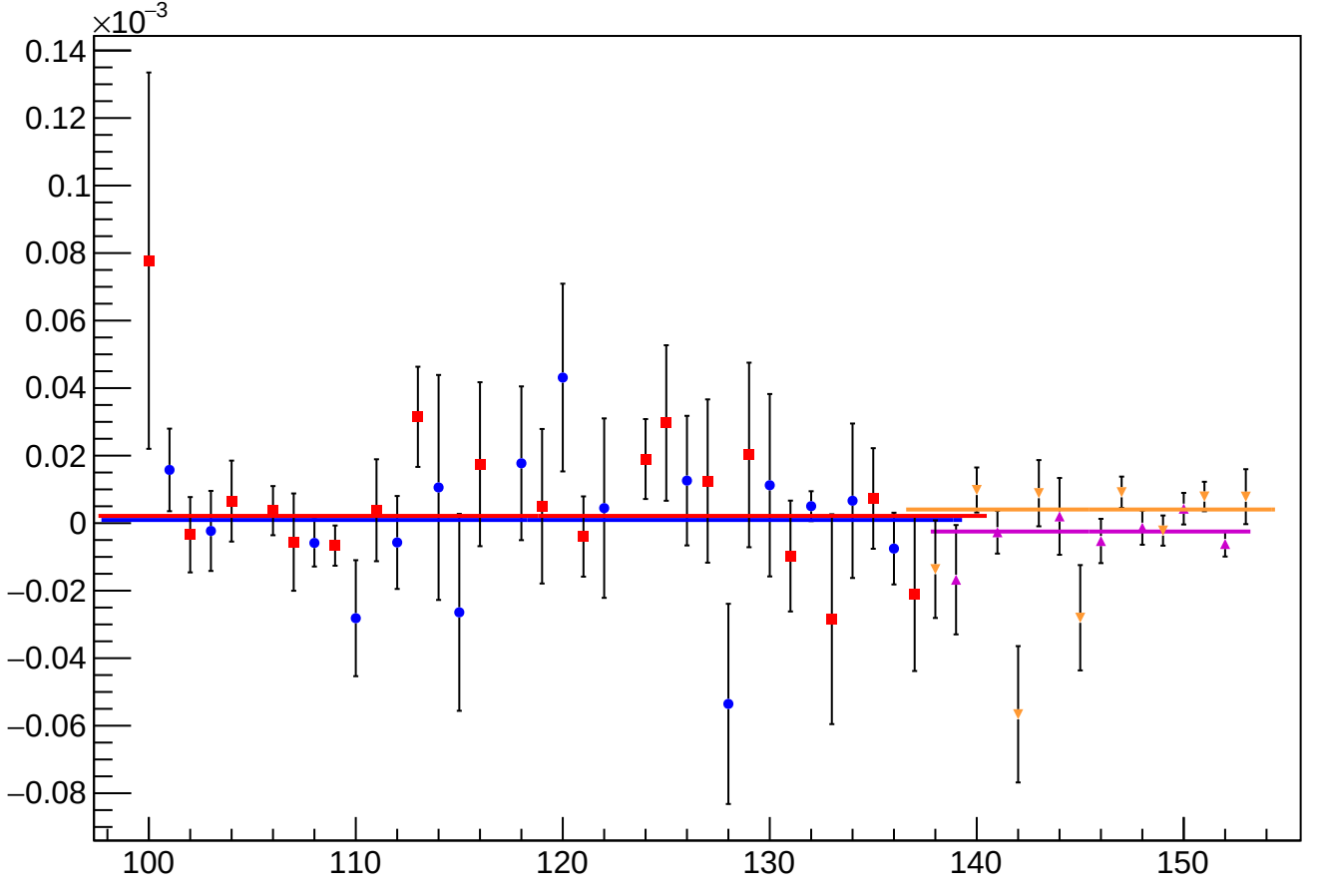
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229682.8/24

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/8

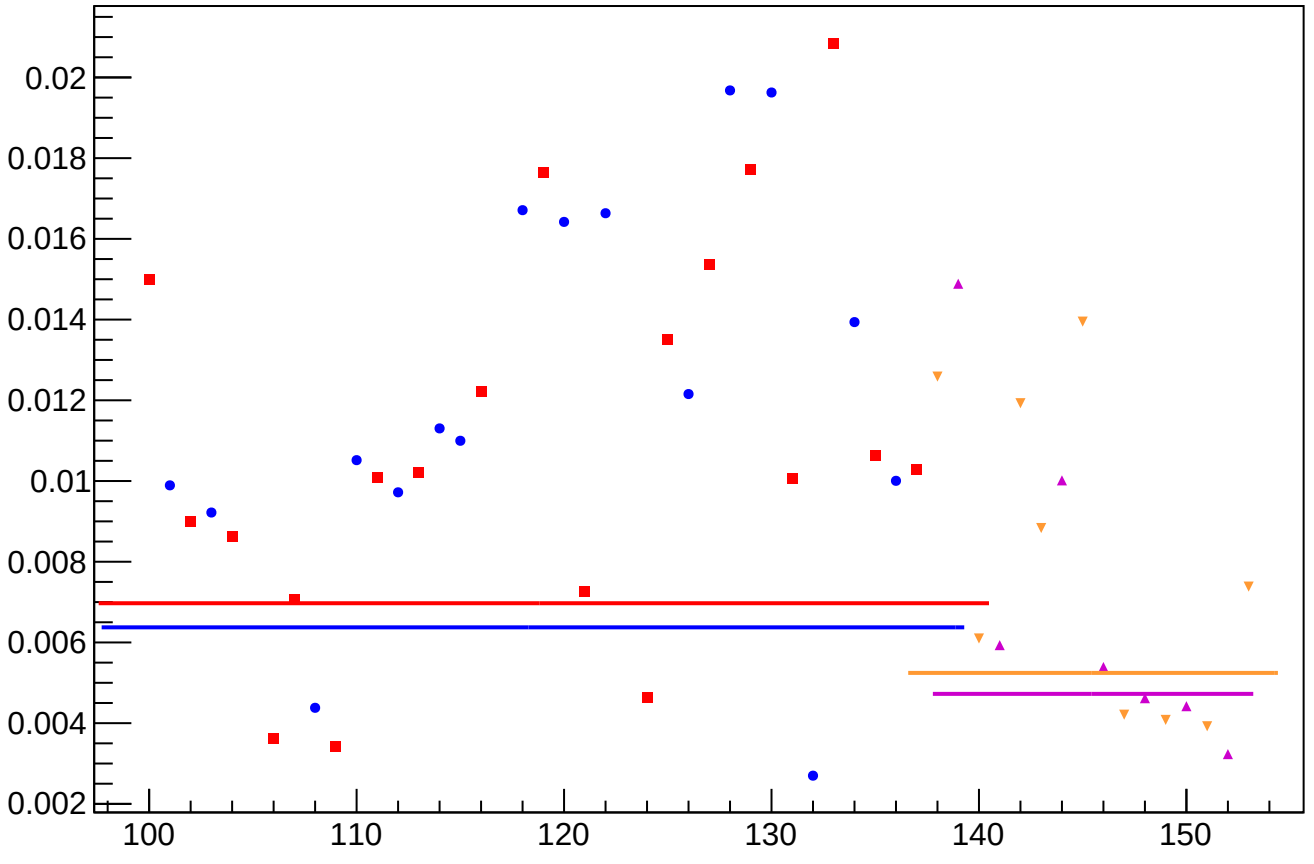
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/24

All: 0.000+/-0.000 χ^2/NDF: 59.8/50

- sign -0.000+/-0.000 χ^2/NDF: 21.8/25



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2216600.2/8

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

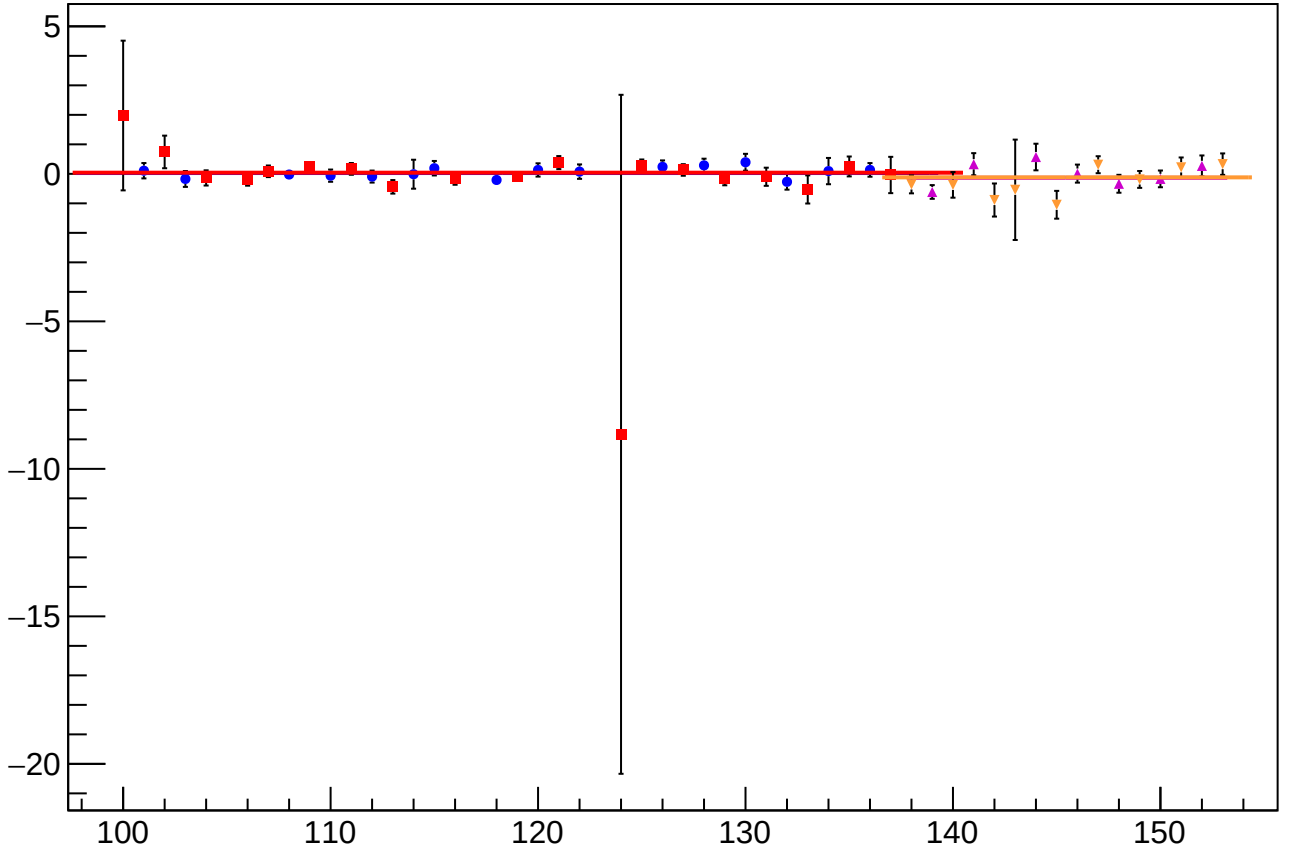
Left In: 0.005+/-0.000 χ^2/NDF:1642592.5/6

+ sign 0.006+/-0.000 χ^2/NDF: 7047153.8/24

All: 0.006+/-0.000 χ^2/NDF: 12845103.5/50

- sign 0.005+/-0.000 χ^2/NDF: 5788798.5/25

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

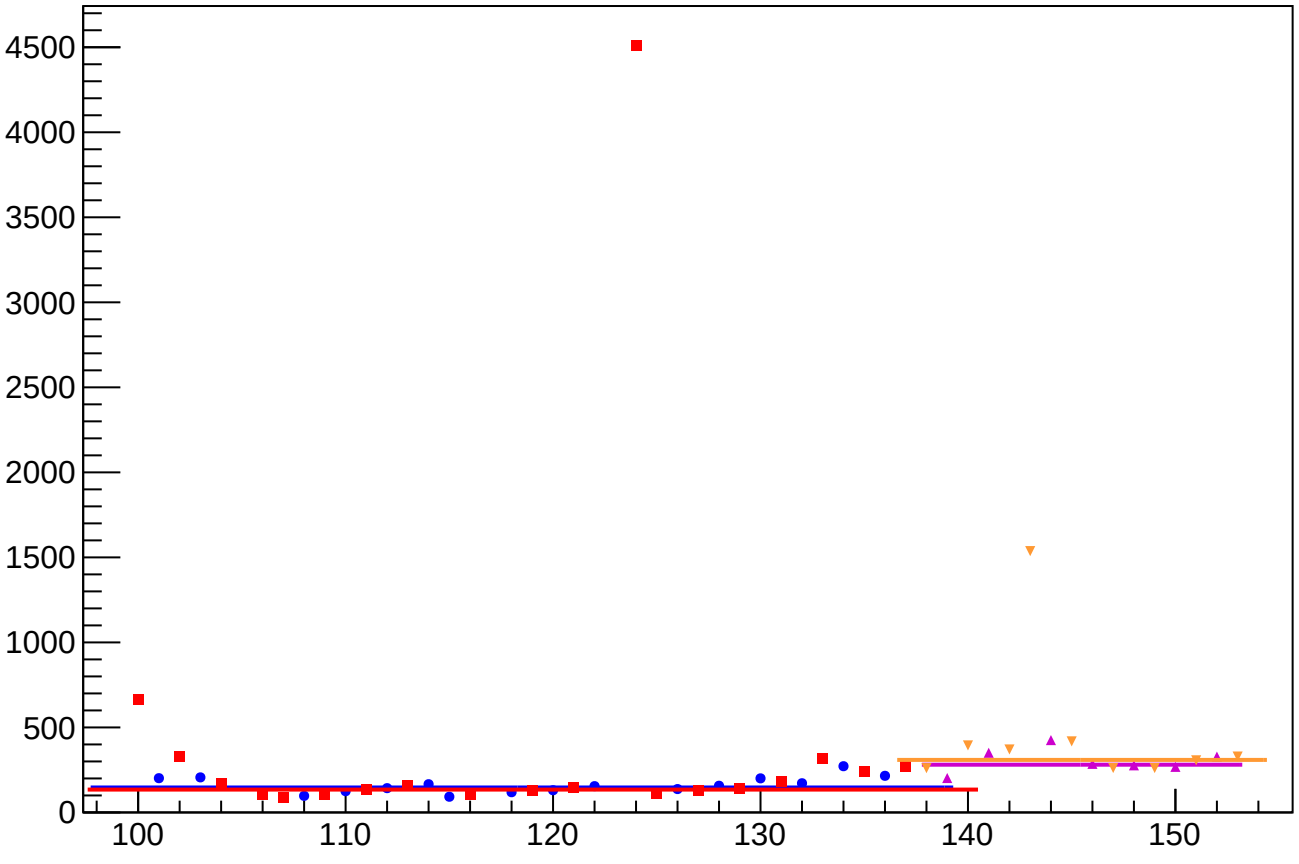
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 309.013+/-0.088 χ^2/NDF:1418308.0/8

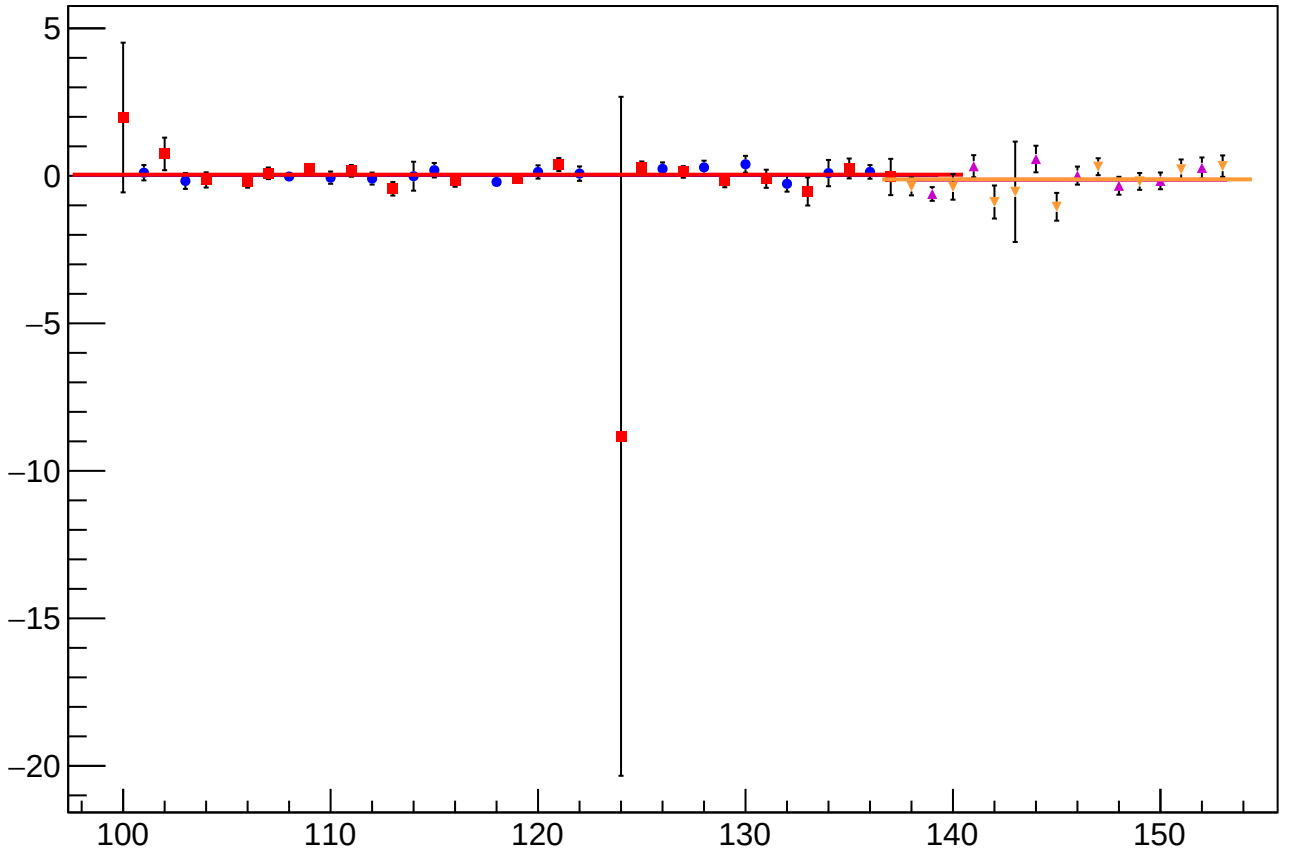
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229692.7/24

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

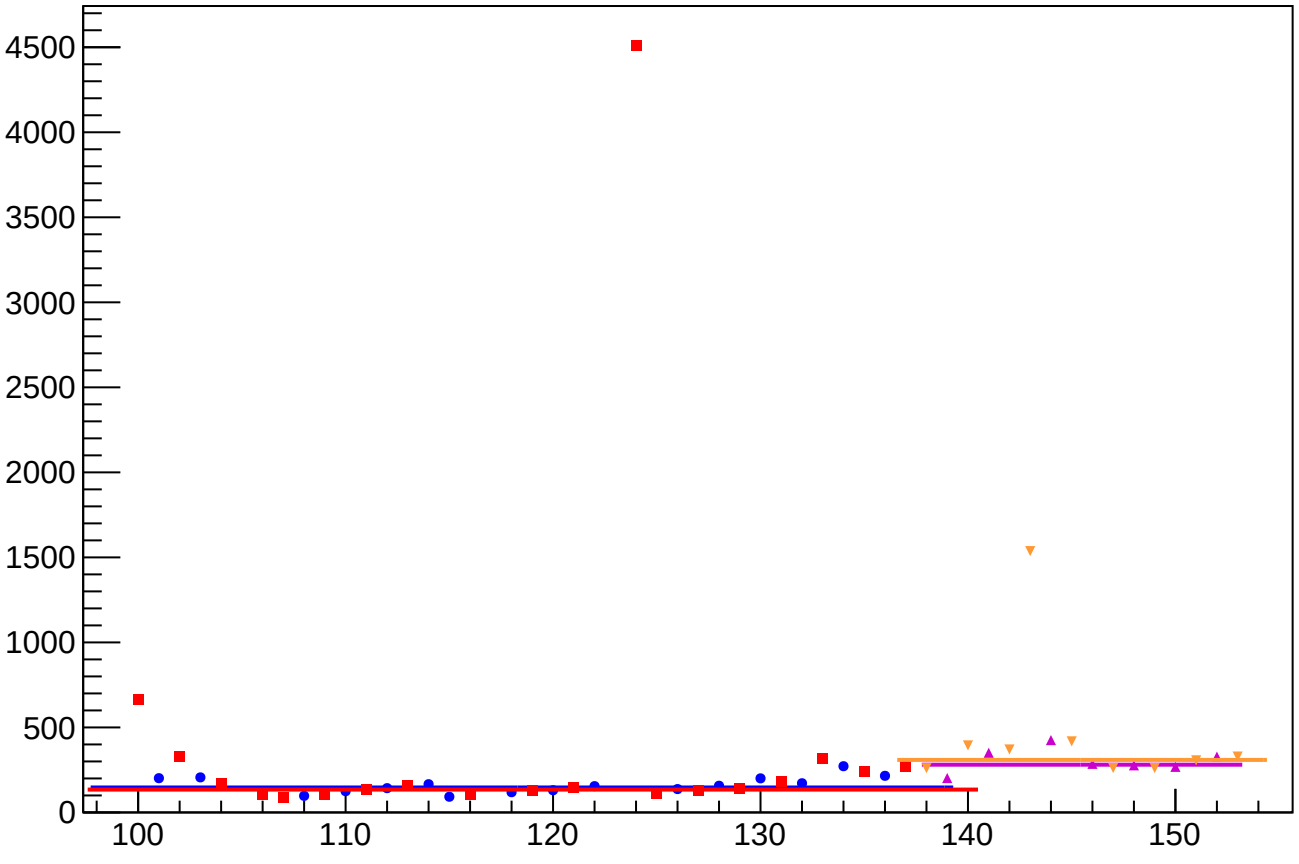
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 309.013+/-0.088 χ^2/NDF:1418308.0/8

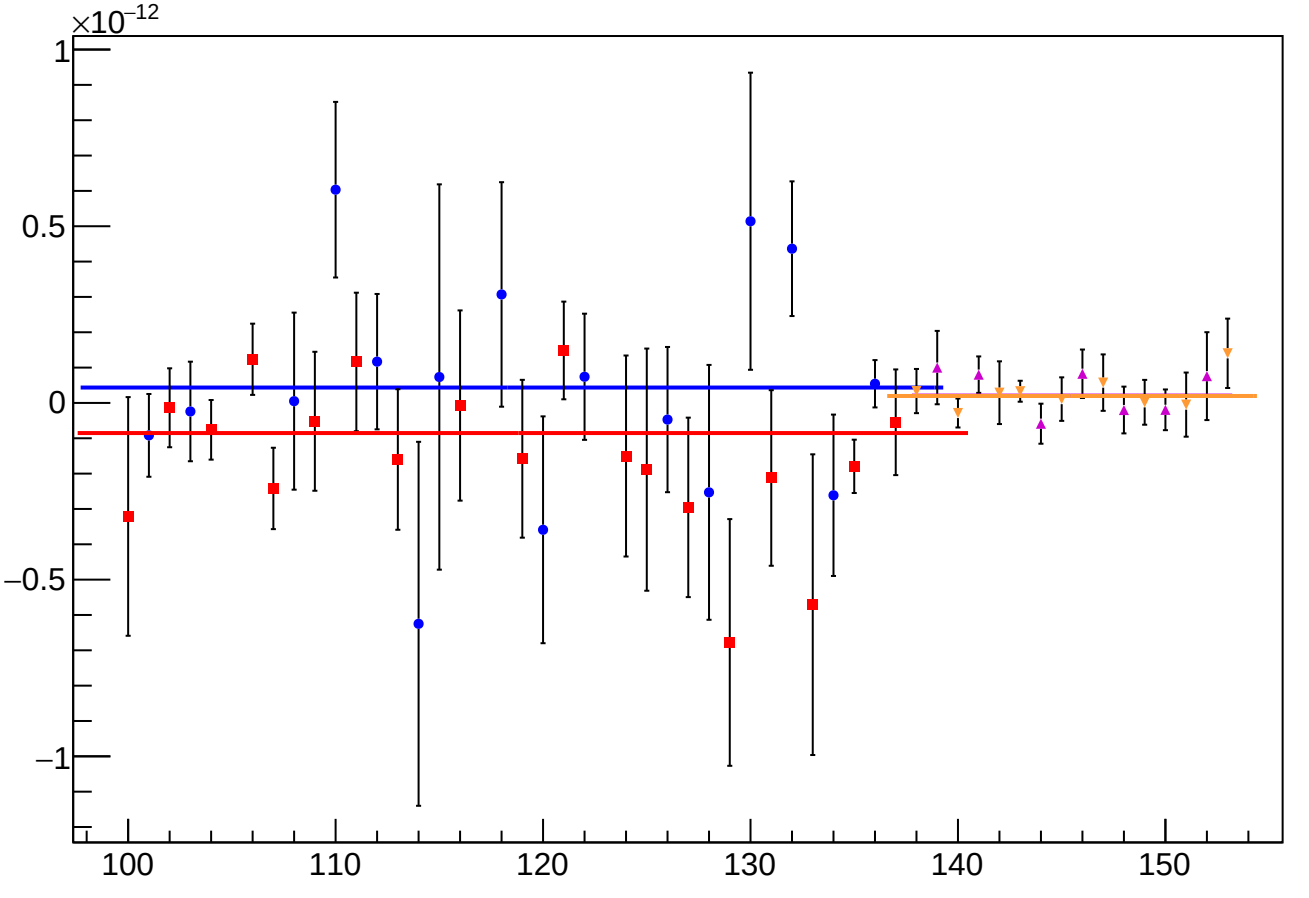
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229692.7/24

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/8

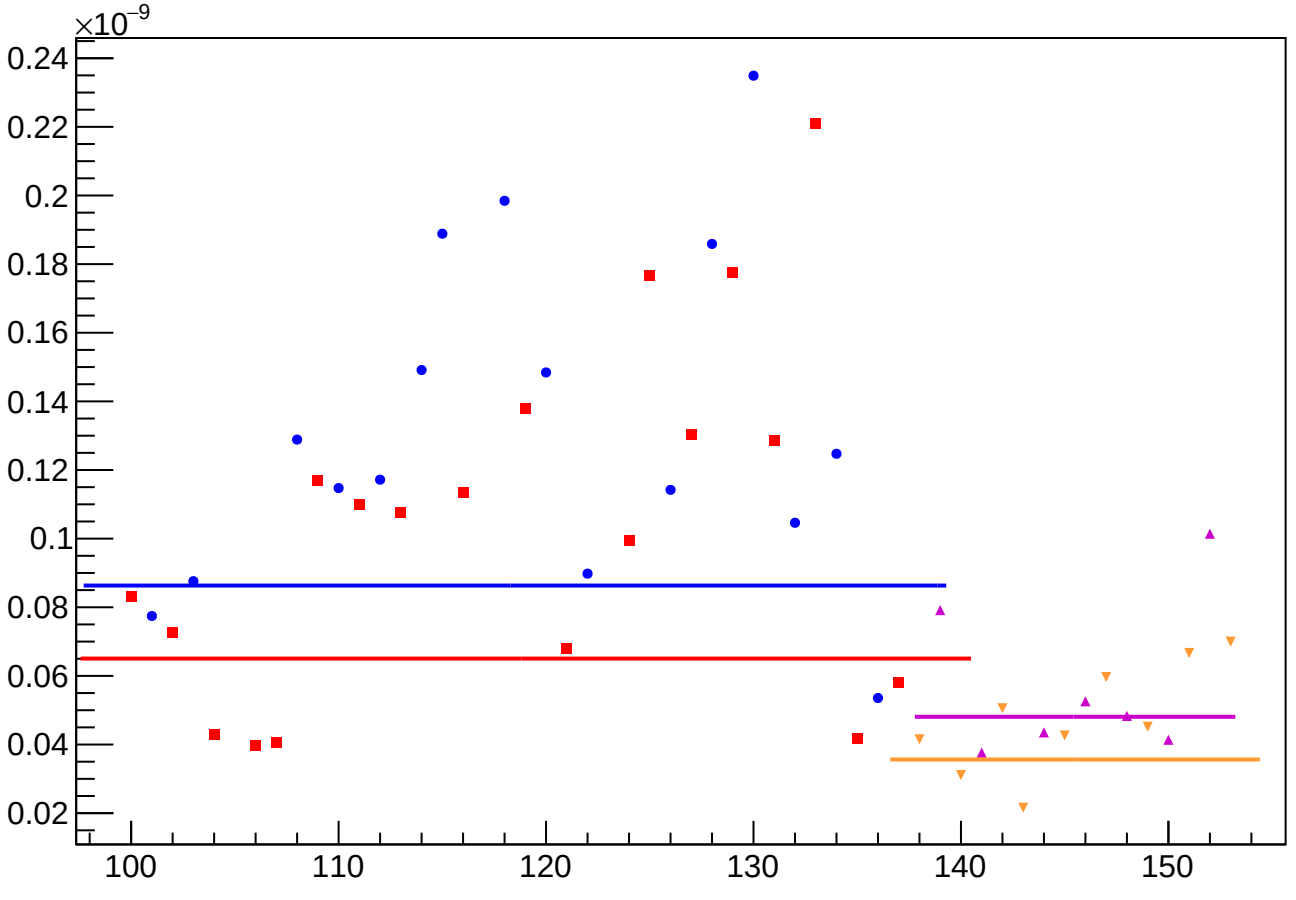
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/24

All: 0.000+/-0.000 χ^2/NDF: 55.3/50

- sign -0.000+/-0.000 χ^2/NDF: 30.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1279426.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

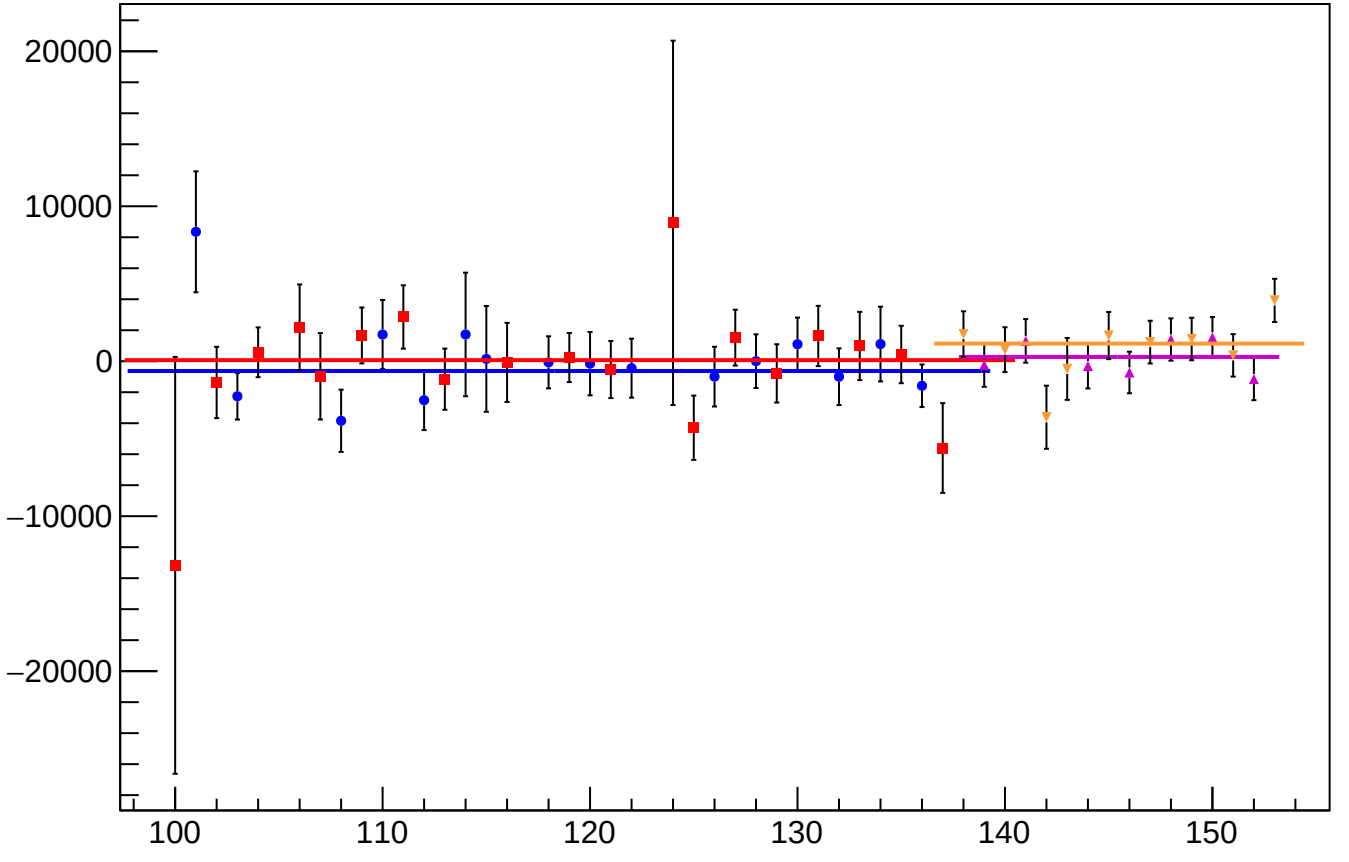
Left In: 0.000+/-0.000 χ^2/NDF:678131.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 5225782.3/24

All: 0.000+/-0.000 χ^2/NDF: 8706372.8/50

- sign 0.000+/-0.000 χ^2/NDF: 3156692.4/25

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.063+/-501.771 χ^2/NDF:10.8/8

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

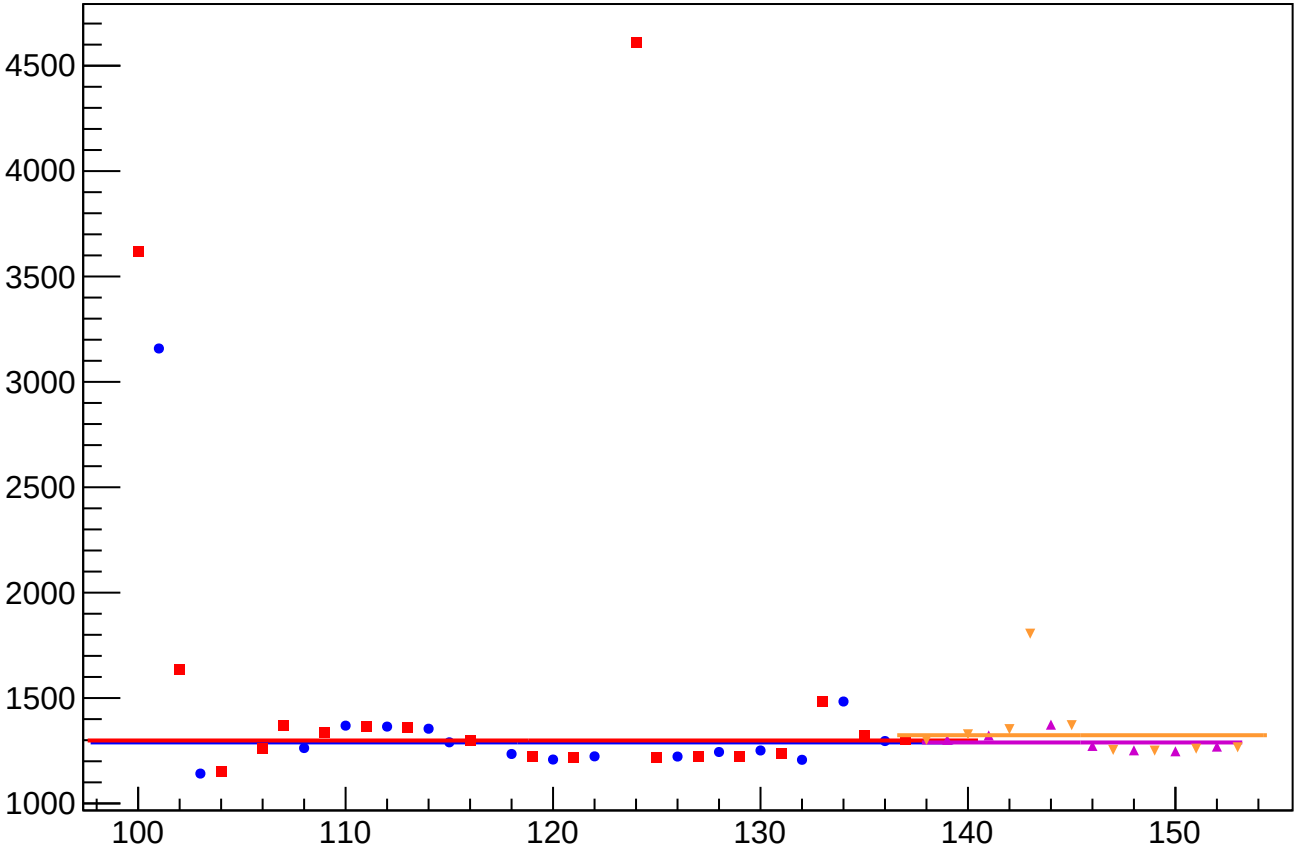
Left In: 274.938+/-520.586 χ^2/NDF:4.1/6

+ sign 230.587+/-350.079 χ^2/NDF: 31.1/24

All: 198.116+/-249.589 χ^2/NDF: 51.2/50

- sign 164.549+/-355.938 χ^2/NDF: 20.0/25

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

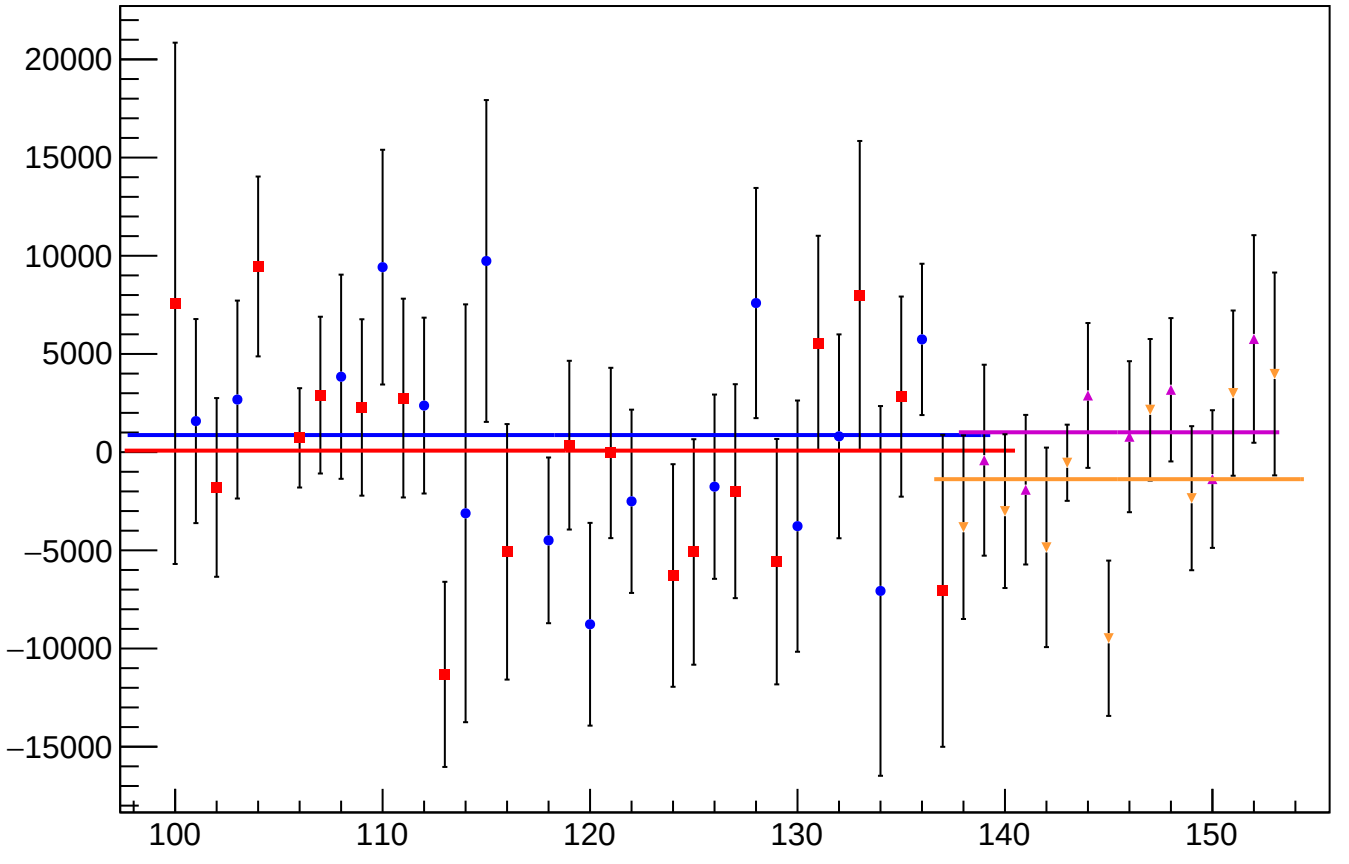
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1306.089+/-0.248 χ^2/NDF: 657098.8/24

All: 1300.263+/-0.176 χ^2/NDF: 990259.1/50

- sign 1294.258+/-0.251 χ^2/NDF: 332035.7/25



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1376.366+/-1174.533 χ^2/NDF:8.5/8

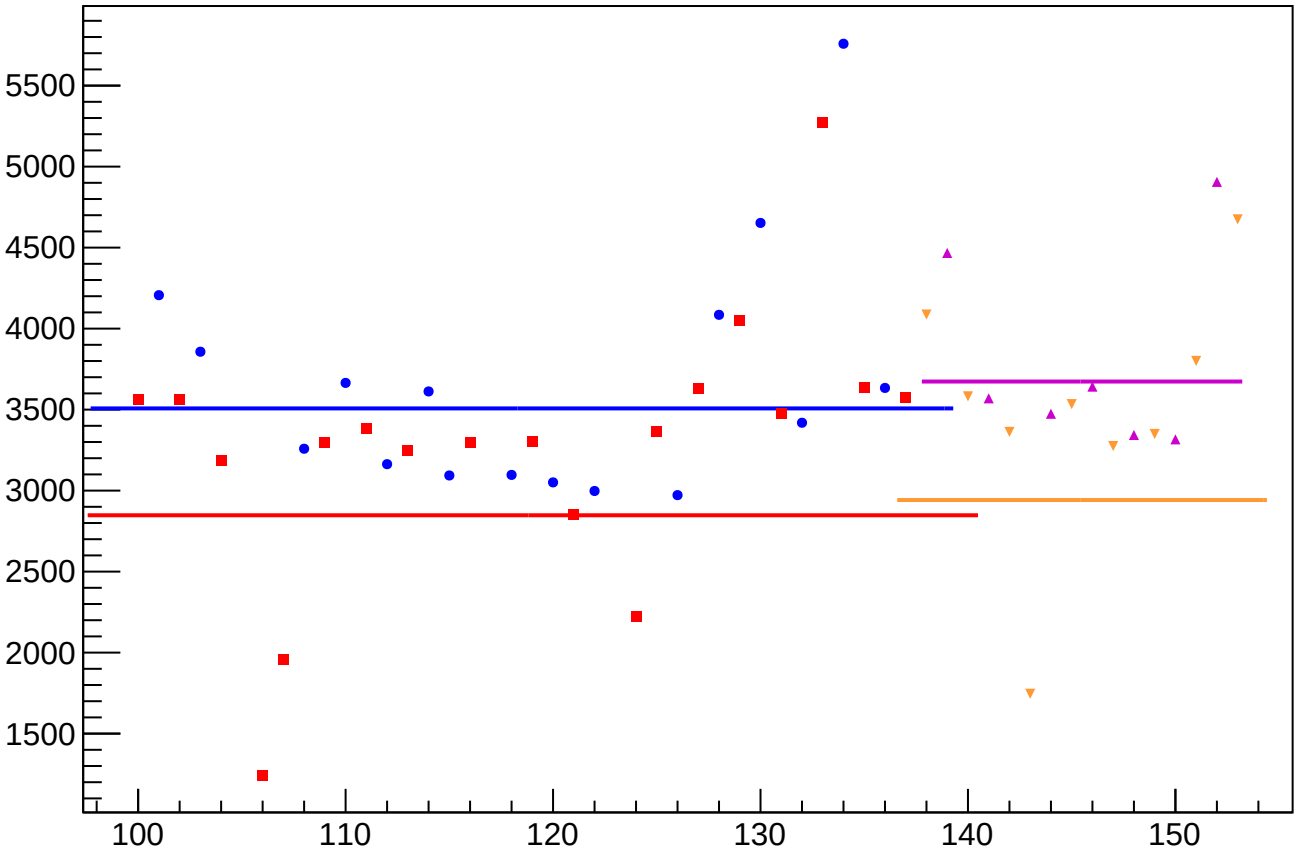
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1011.118+/-1499.665 χ^2/NDF:2.6/6

+ sign -388.024+/-879.006 χ^2/NDF: 24.1/24

All: 3.933+/-626.354 χ^2/NDF: 45.7/50

- sign 408.244+/-892.752 χ^2/NDF: 21.2/25



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2941.812+/-0.831 χ^2/NDF:1342546.7/8

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

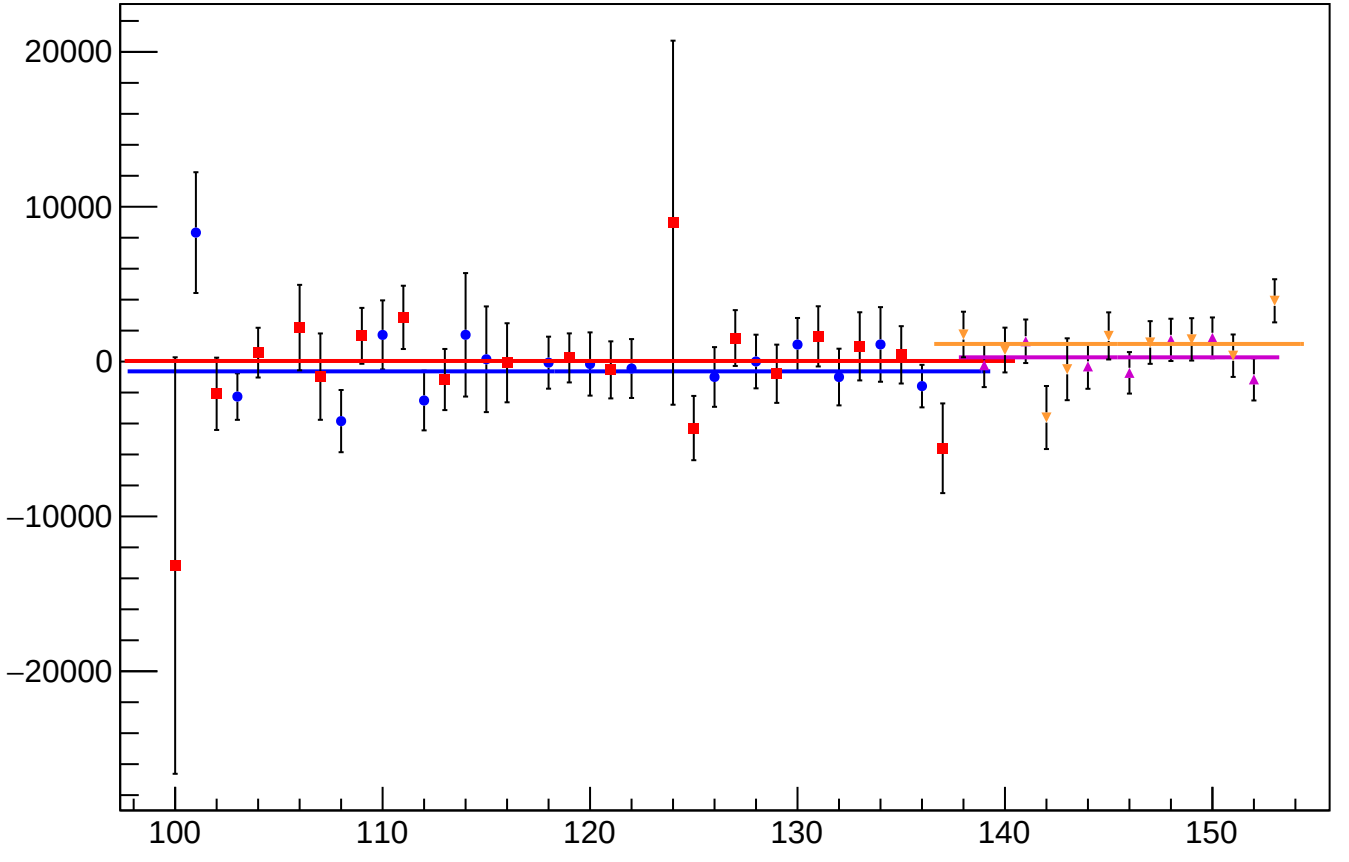
Left In: 3673.333+/-1.060 χ^2/NDF:206565.8/6

+ sign 3190.622+/-0.622 χ^2/NDF: 1900542.4/24

All: 3165.888+/-0.443 χ^2/NDF: 4000945.1/50

- sign 3140.376+/-0.631 χ^2/NDF: 2097185.8/25

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.012+/-501.771 χ^2/NDF:10.8/8

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

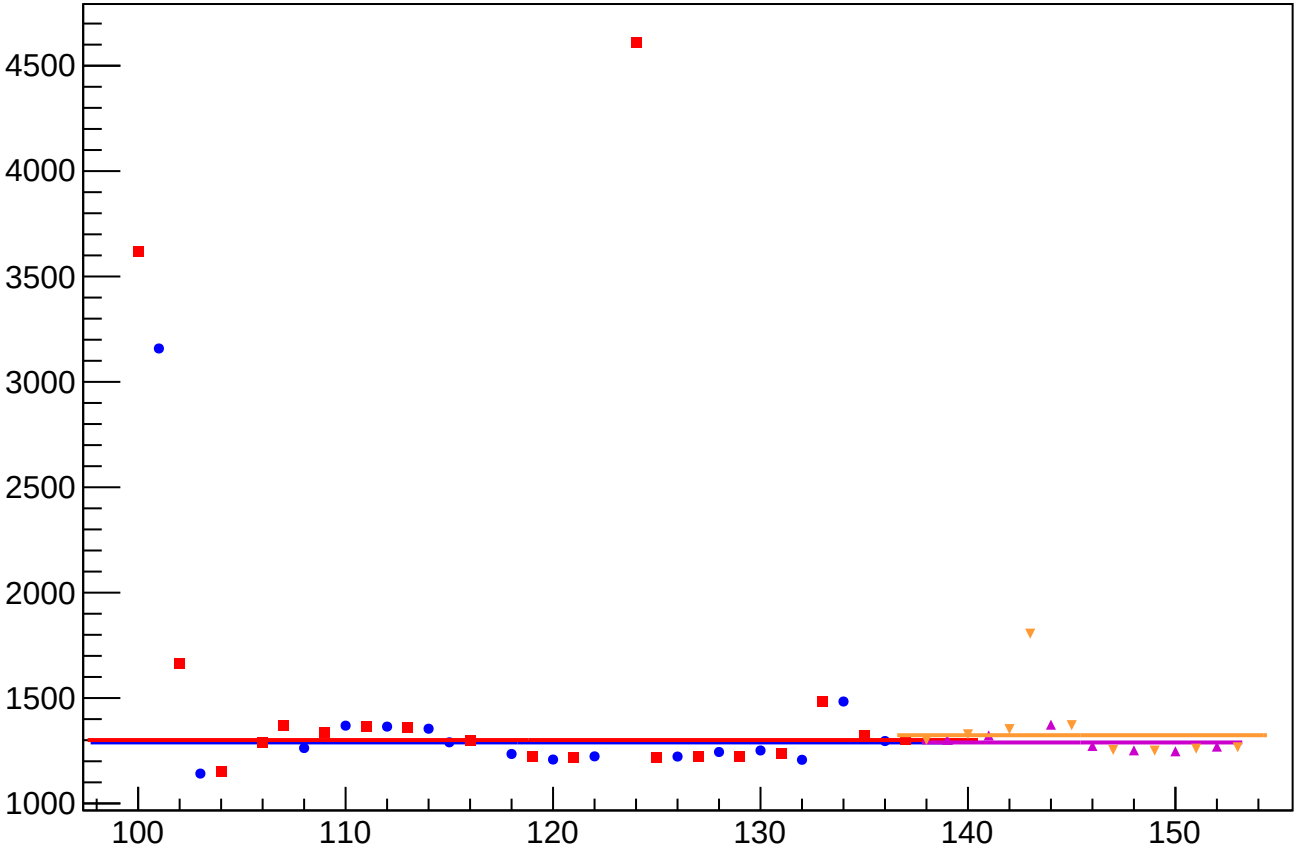
Left In: 274.899+/-520.586 χ^2/NDF:4.1/6

+ sign 230.365+/-350.079 χ^2/NDF: 31.1/24

All: 190.449+/-249.632 χ^2/NDF: 51.6/50

- sign 149.156+/-356.064 χ^2/NDF: 20.5/25

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

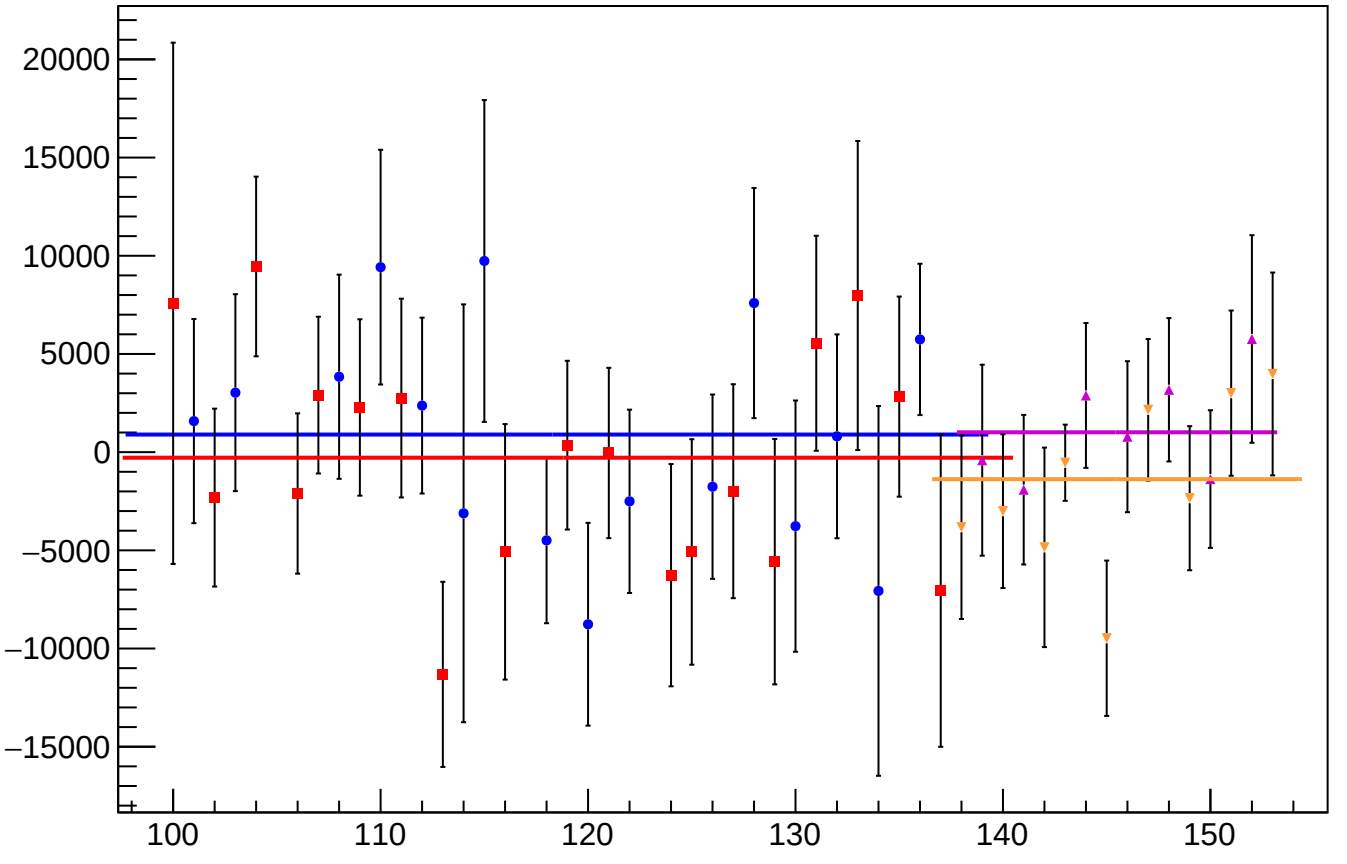
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1306.089+/-0.248 χ^2/NDF: 657100.3/24

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1376.293+/-1174.530 χ^2/NDF:8.5/8

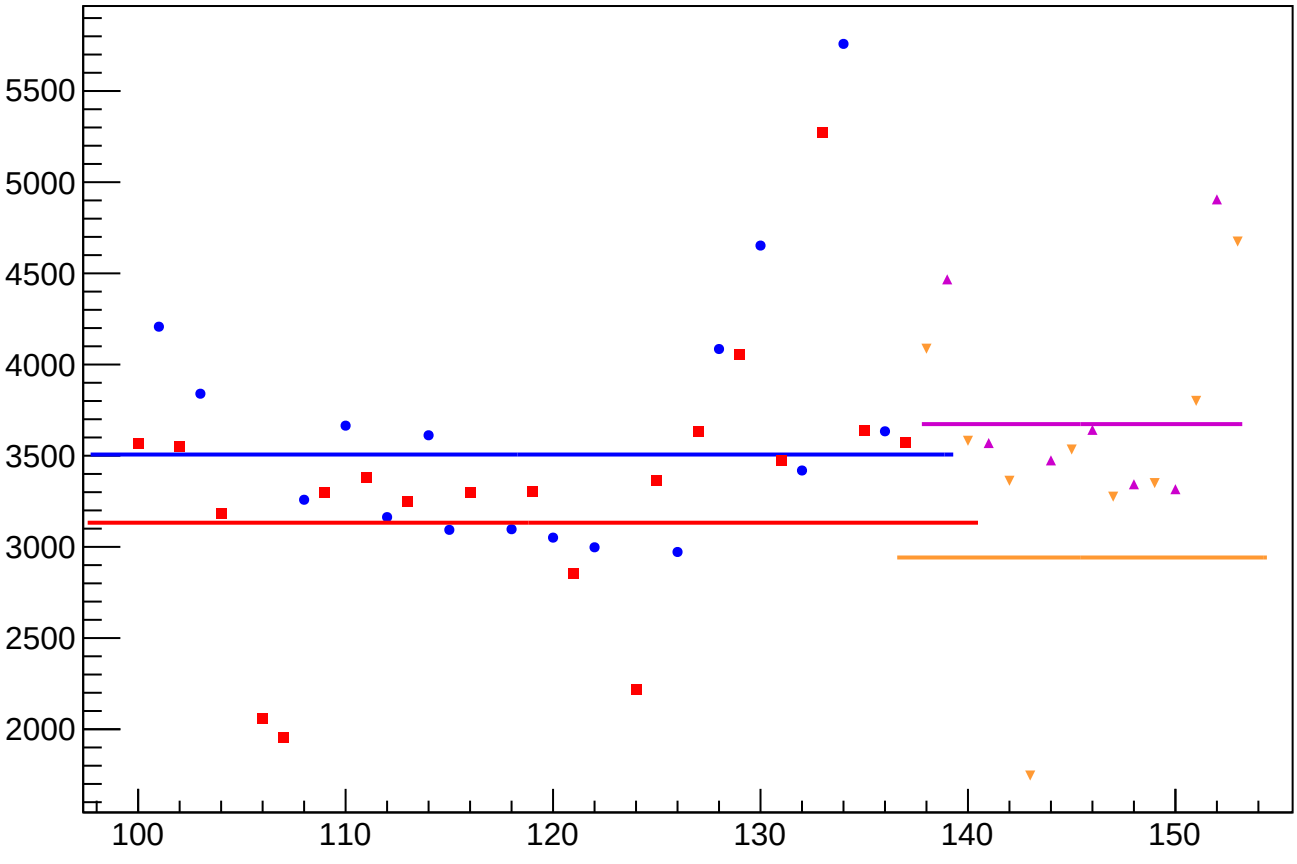
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1011.150+/-1499.663 χ^2/NDF:2.6/6

+ sign -376.286+/-878.872 χ^2/NDF: 24.2/24

All: -97.977+/-638.405 χ^2/NDF: 46.1/50

- sign 212.907+/-928.884 χ^2/NDF: 21.6/25



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

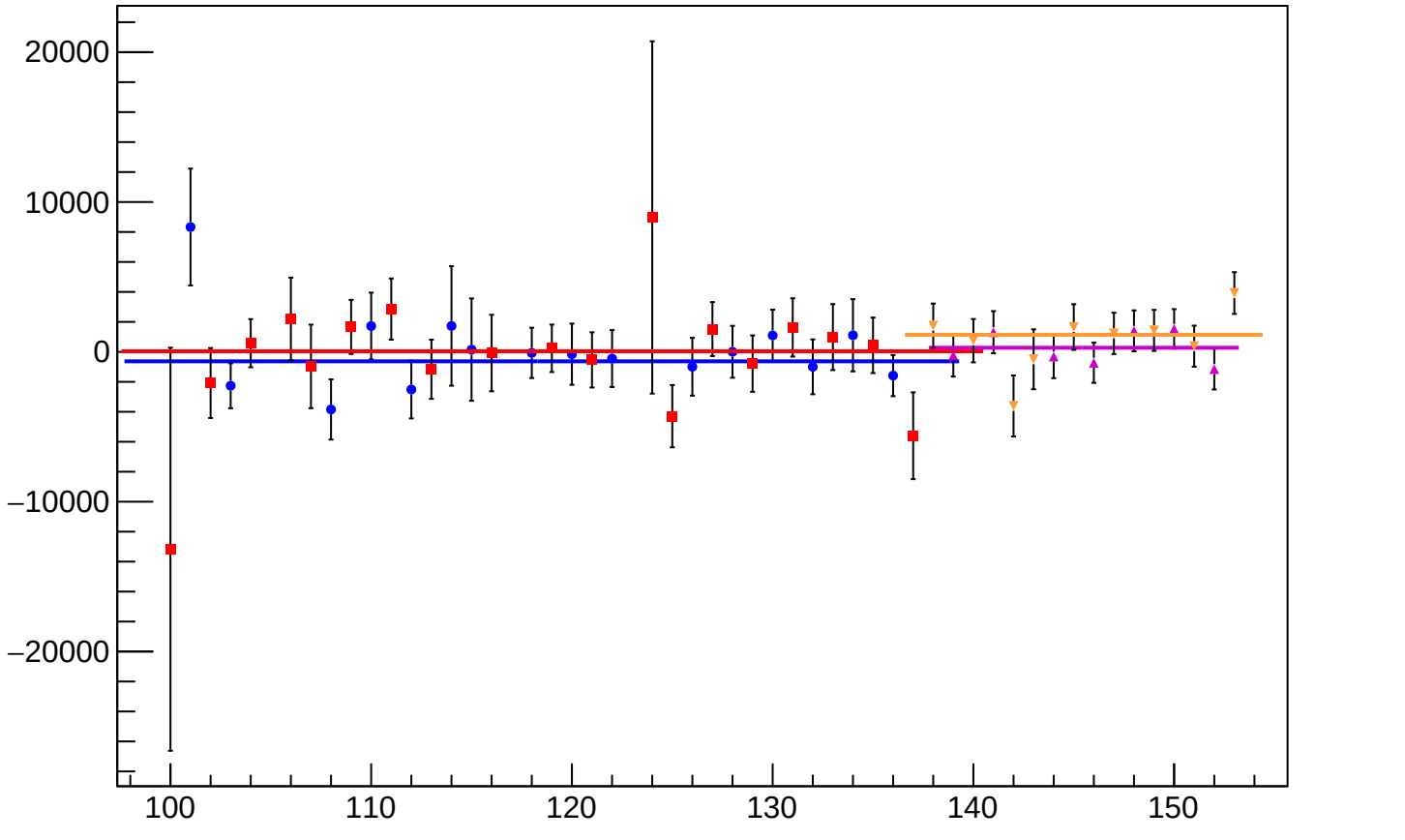
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

\+ sign 3190.309+/-0.621 χ^2/NDF: 1899251.5/24

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50

\- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.012+/-501.771 χ^2/NDF:10.8/8

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

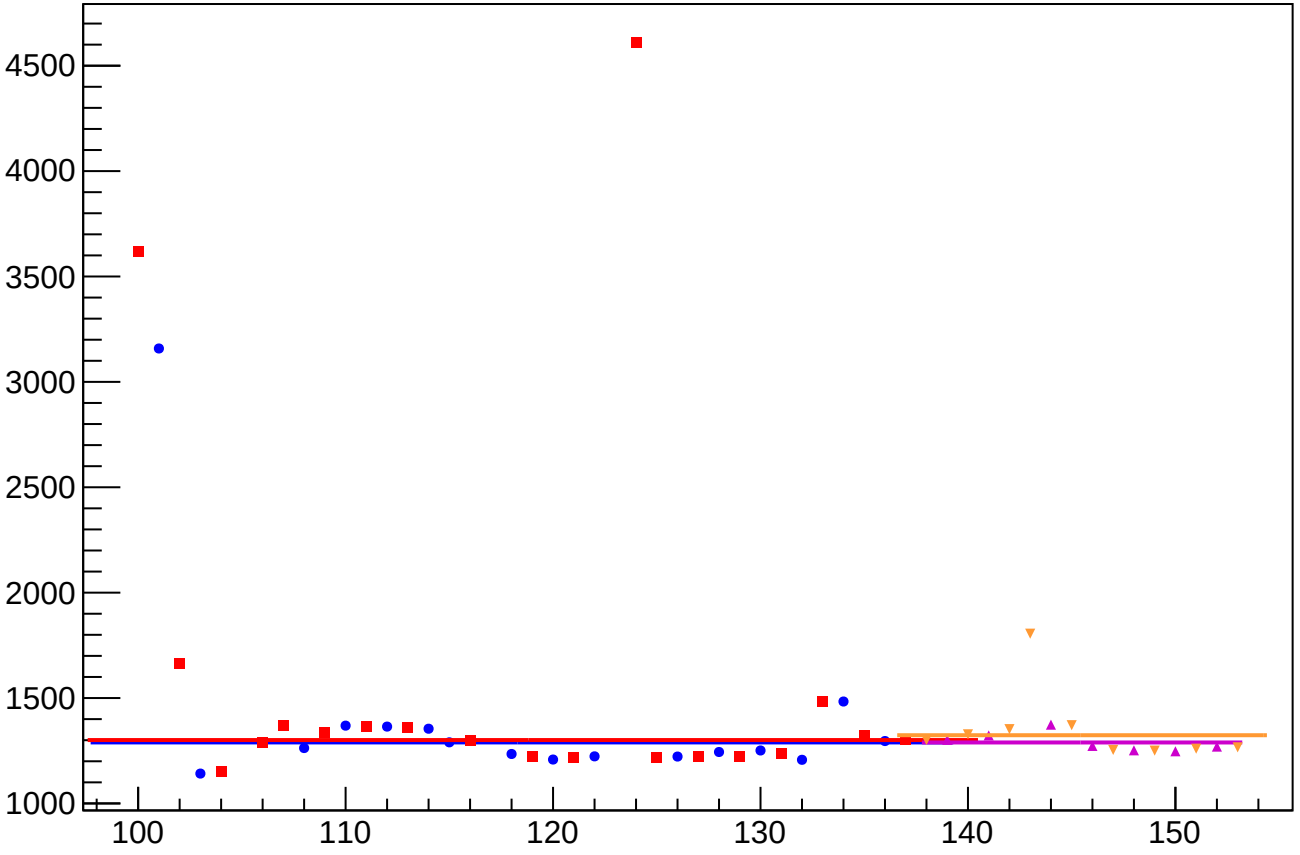
Left In: 274.899+/-520.586 χ^2/NDF:4.1/6

\+ sign 230.365+/-350.079 χ^2/NDF: 31.1/24

All: 190.449+/-249.632 χ^2/NDF: 51.6/50

\- sign 149.156+/-356.064 χ^2/NDF: 20.5/25

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

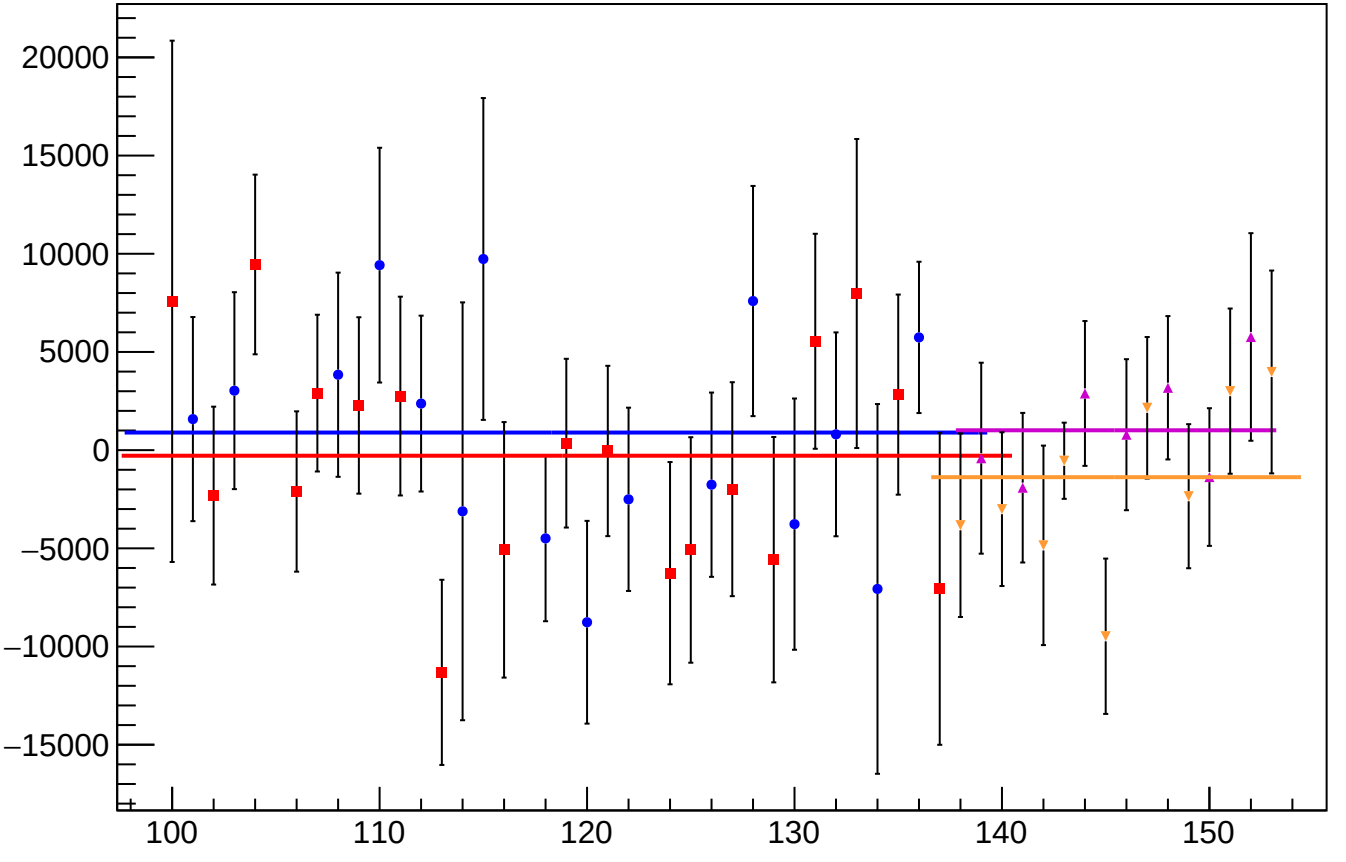
Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

+ sign 1306.089+/-0.248 χ^2/NDF: 657100.3/24

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50

- sign 1295.333+/-0.252 χ^2/NDF: 338734.7/25

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1376.293+/-1174.530 χ^2/NDF:8.5/8

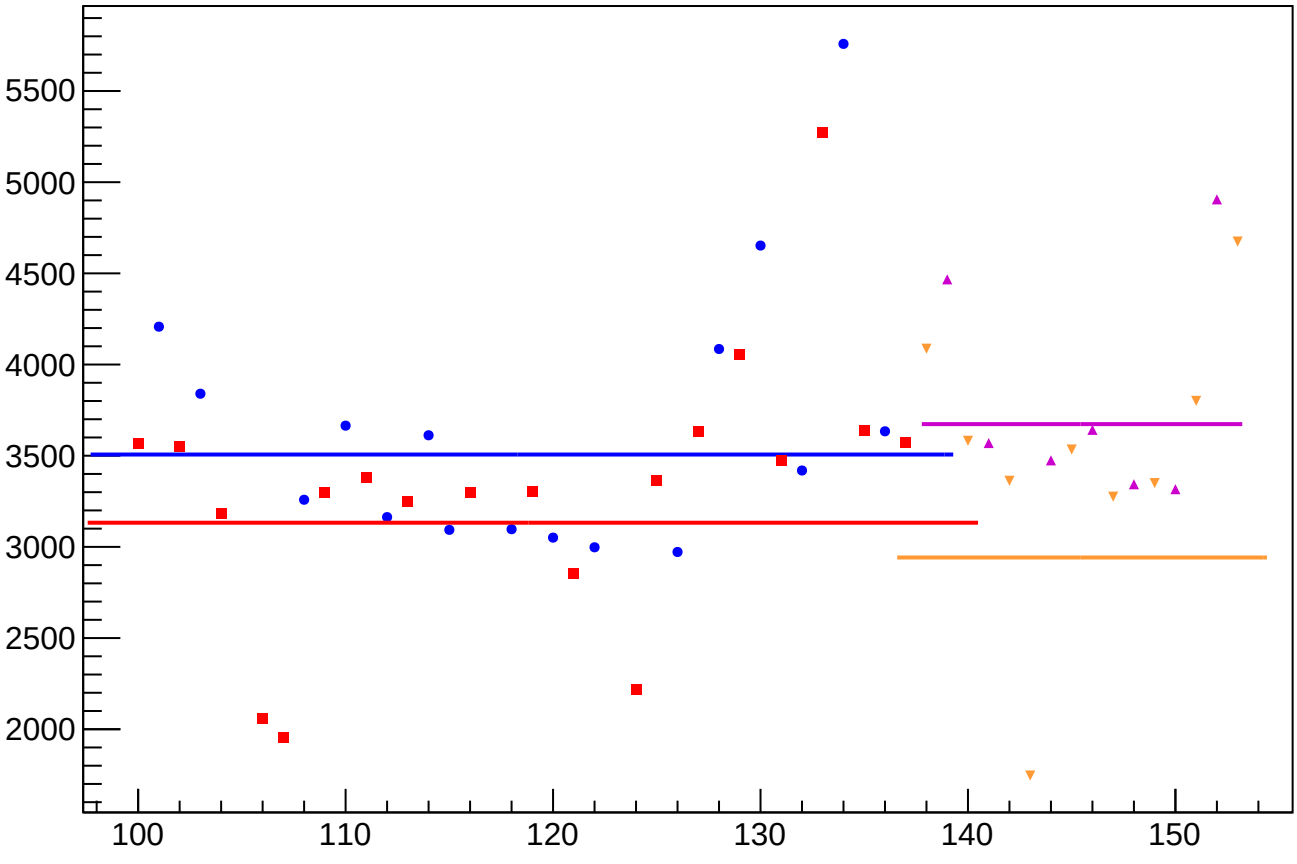
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1011.150+/-1499.663 χ^2/NDF:2.6/6

+ sign -376.286+/-878.872 χ^2/NDF: 24.2/24

All: -97.977+/-638.405 χ^2/NDF: 46.1/50

- sign 212.907+/-928.884 χ^2/NDF: 21.6/25



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

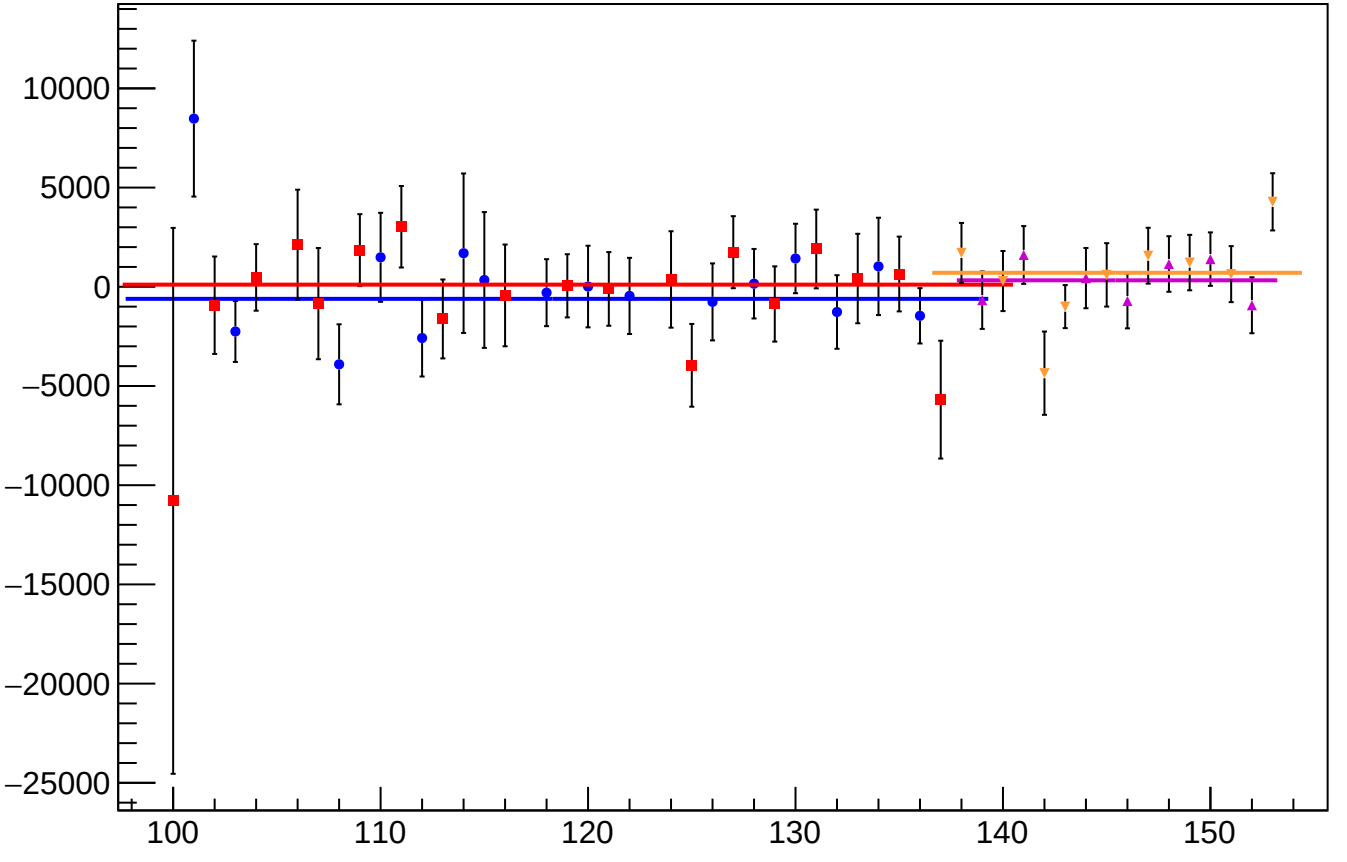
Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

+ sign 3190.309+/-0.621 χ^2/NDF: 1899251.5/24

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50

- sign 3340.042+/-0.657 χ^2/NDF: 1016446.0/25

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.143+/-479.864 χ^2/NDF:15.5/8

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

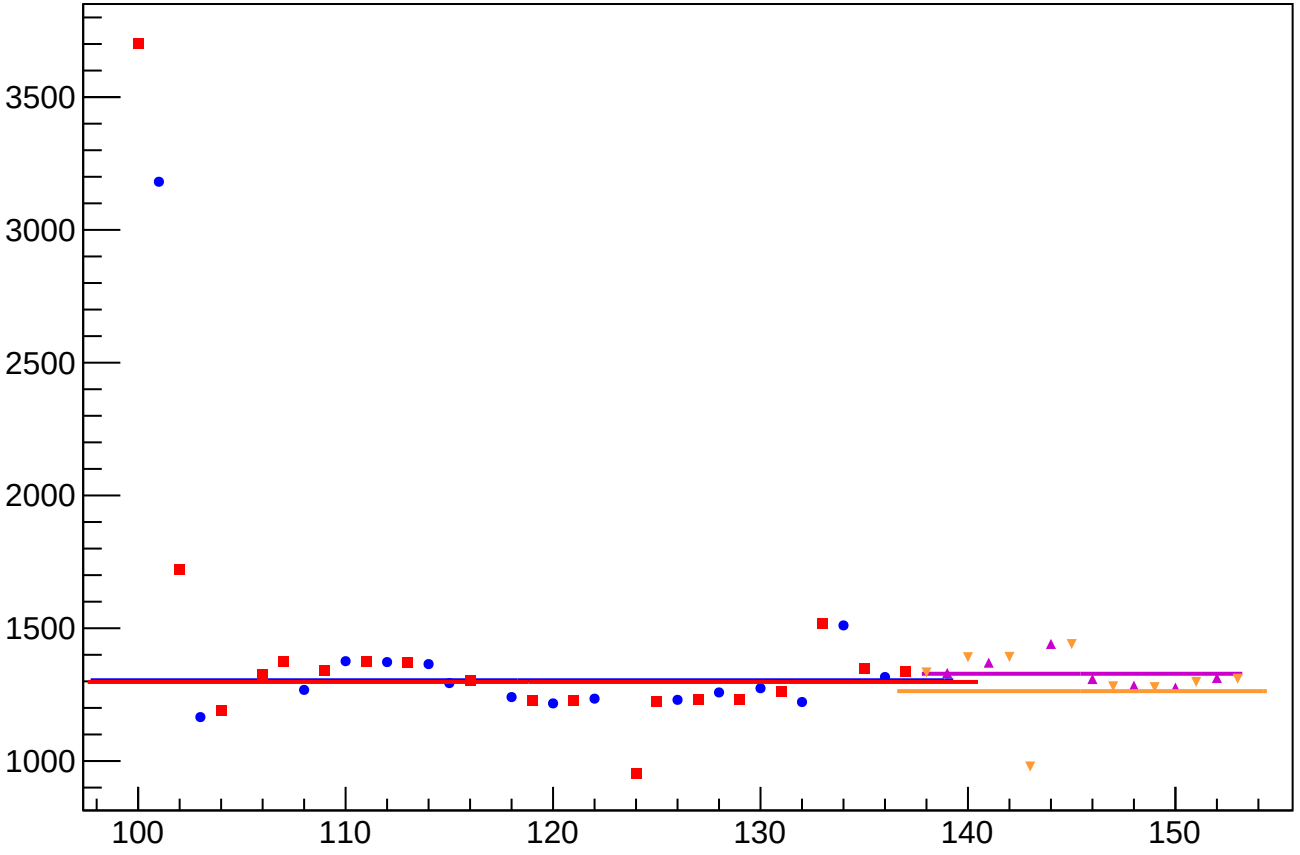
Left In: 326.169+/-536.661 χ^2/NDF:3.6/6

+ sign 68.467+/-344.266 χ^2/NDF: 33.2/24

All: 134.410+/-248.827 χ^2/NDF: 51.9/50

- sign 206.541+/-360.054 χ^2/NDF: 18.6/25

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1263.148+/-0.339 χ^2/NDF:191690.1/8

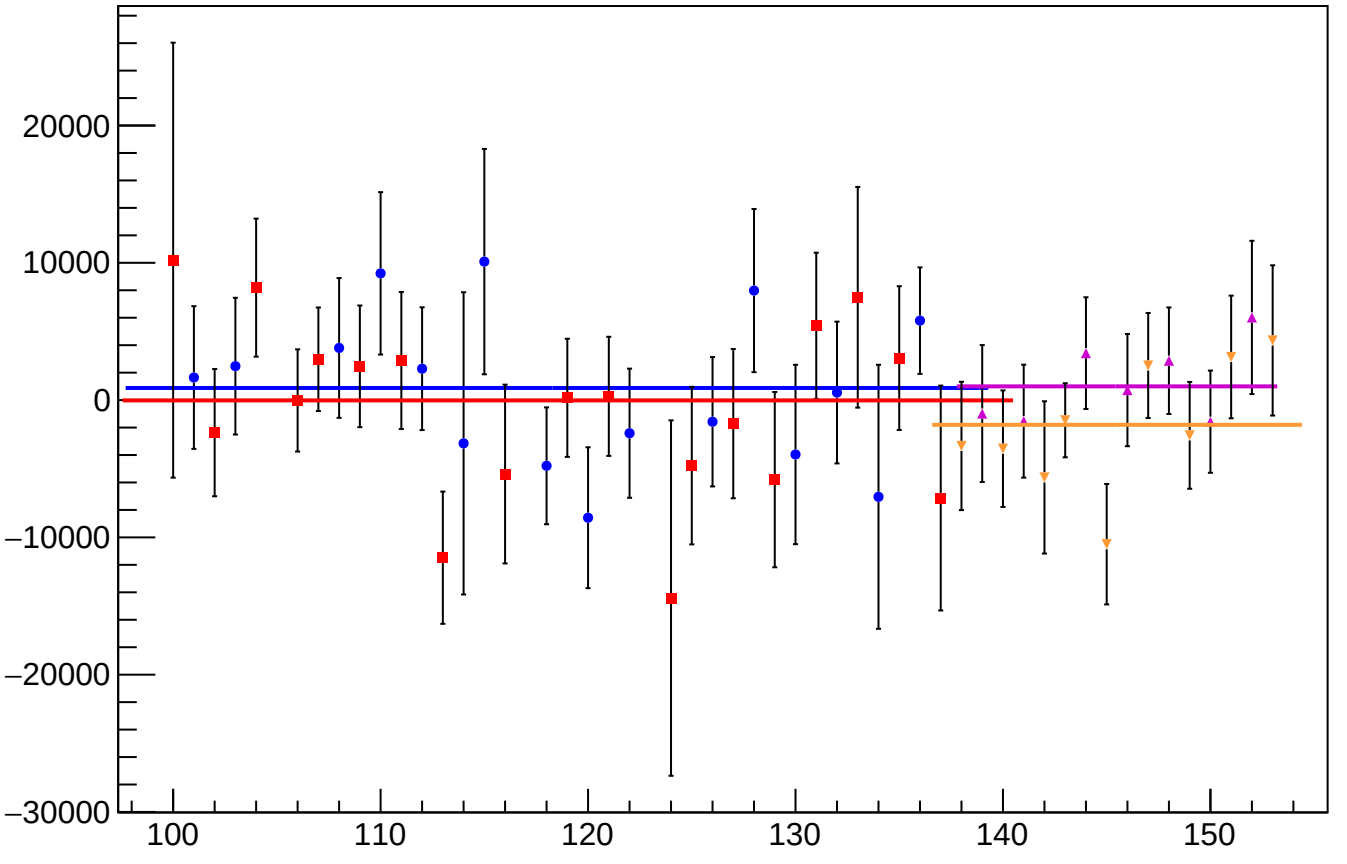
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1328.595+/-0.379 χ^2/NDF:18306.6/6

+ sign 1283.023+/-0.243 χ^2/NDF: 709349.4/24

All: 1296.700+/-0.176 χ^2/NDF: 950983.9/50

- sign 1311.648+/-0.254 χ^2/NDF: 235028.0/25



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1801.409+/-1359.434 χ^2/NDF:8.5/8

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

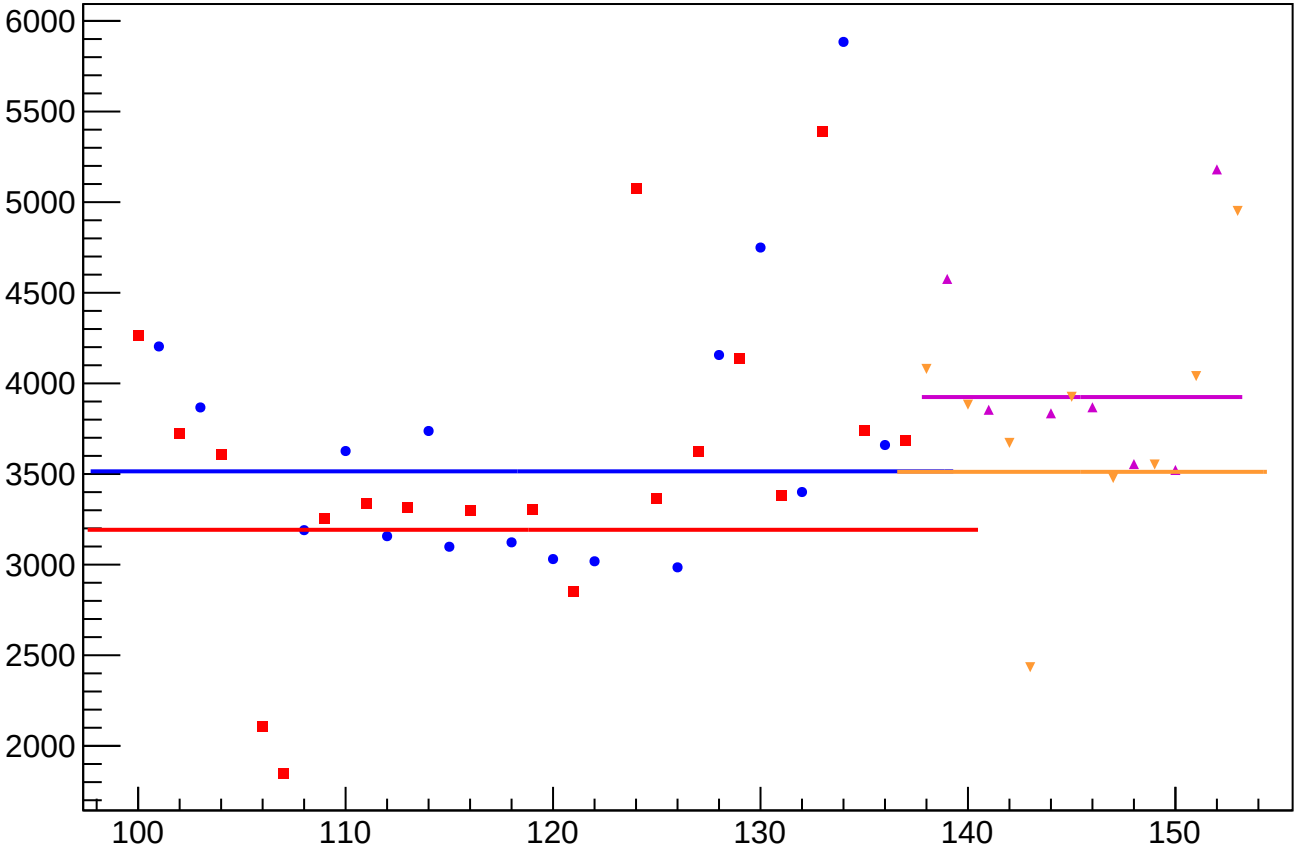
Left In: 1000.552+/-1600.800 χ^2/NDF:2.4/6

+ sign -426.661+/-949.736 χ^2/NDF: 24.6/24

All: -44.193+/-675.227 χ^2/NDF: 44.4/50

- sign 346.733+/-960.180 χ^2/NDF: 19.5/25

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3512.006+/-0.961 χ^2/NDF:550482.3/8

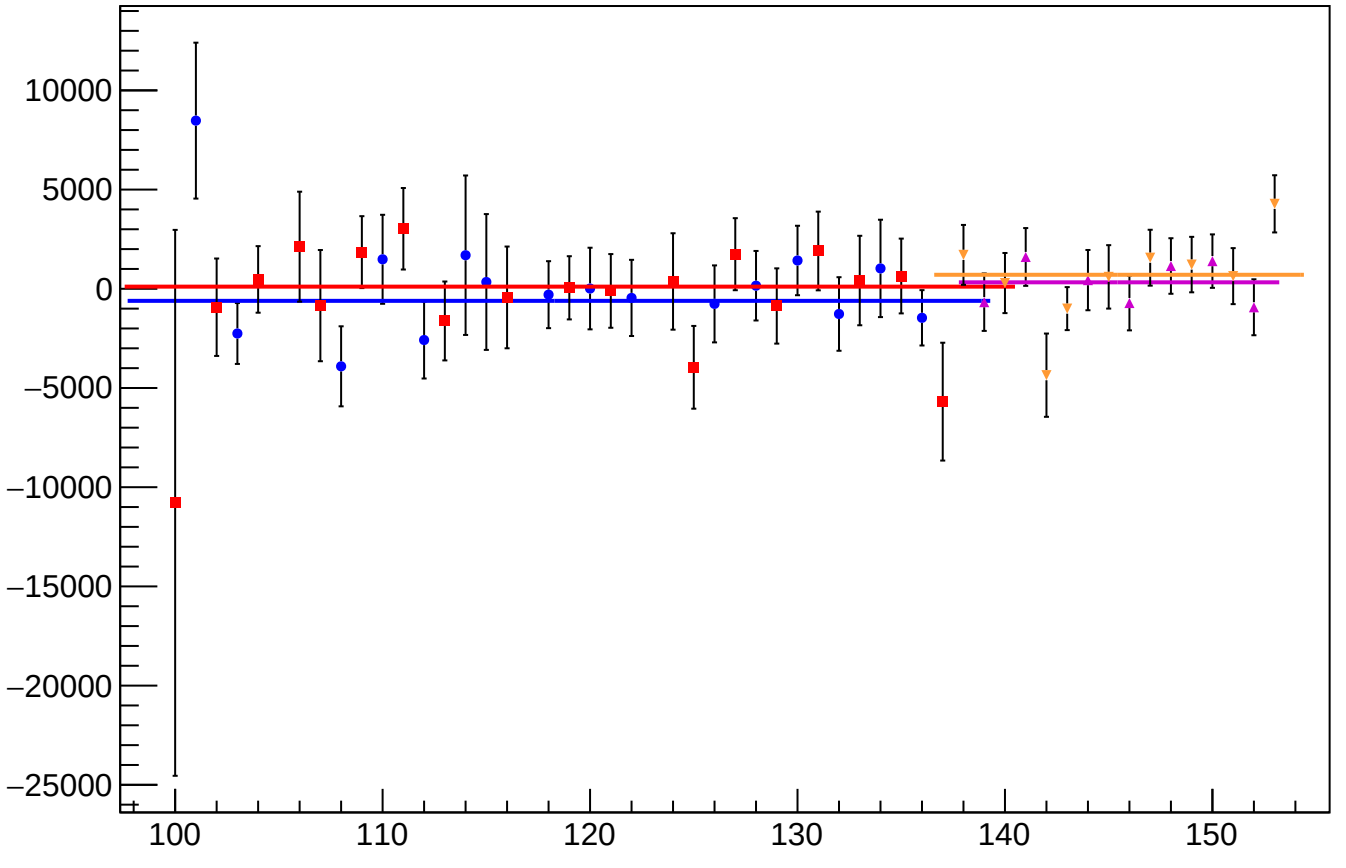
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3924.685+/-1.132 χ^2/NDF:178886.7/6

+ sign 3513.409+/-0.672 χ^2/NDF: 925565.1/24

All: 3484.886+/-0.477 χ^2/NDF: 2148685.8/50

- sign 3455.732+/-0.679 χ^2/NDF: 1219473.0/25



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.142+/-479.864 χ^2/NDF:15.5/8

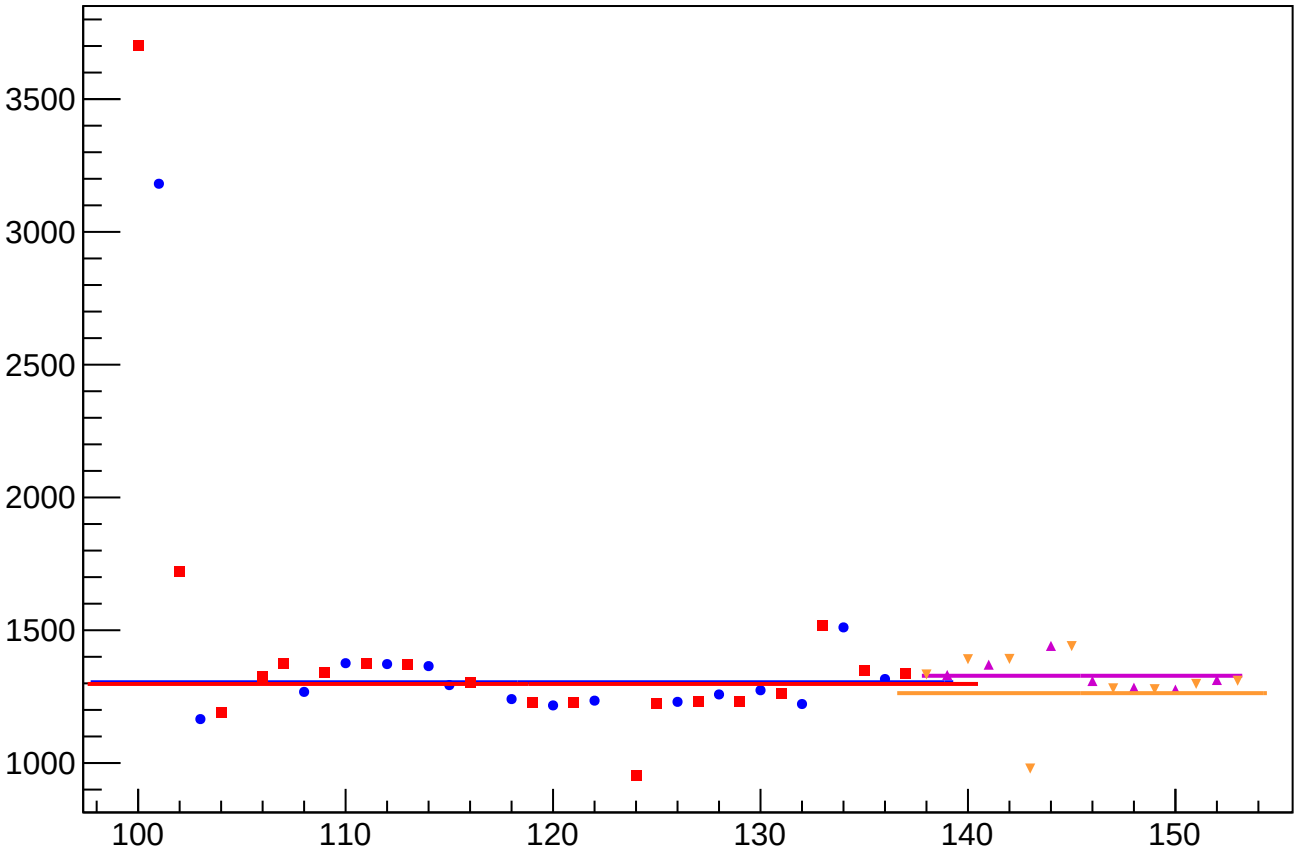
Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 326.168+/-536.661 χ^2/NDF:3.6/6

+ sign 68.464+/-344.266 χ^2/NDF: 33.2/24

All: 134.410+/-248.827 χ^2/NDF: 51.9/50

- sign 206.544+/-360.054 χ^2/NDF: 18.6/25



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1263.149+/-0.339 χ^2/NDF:191690.4/8

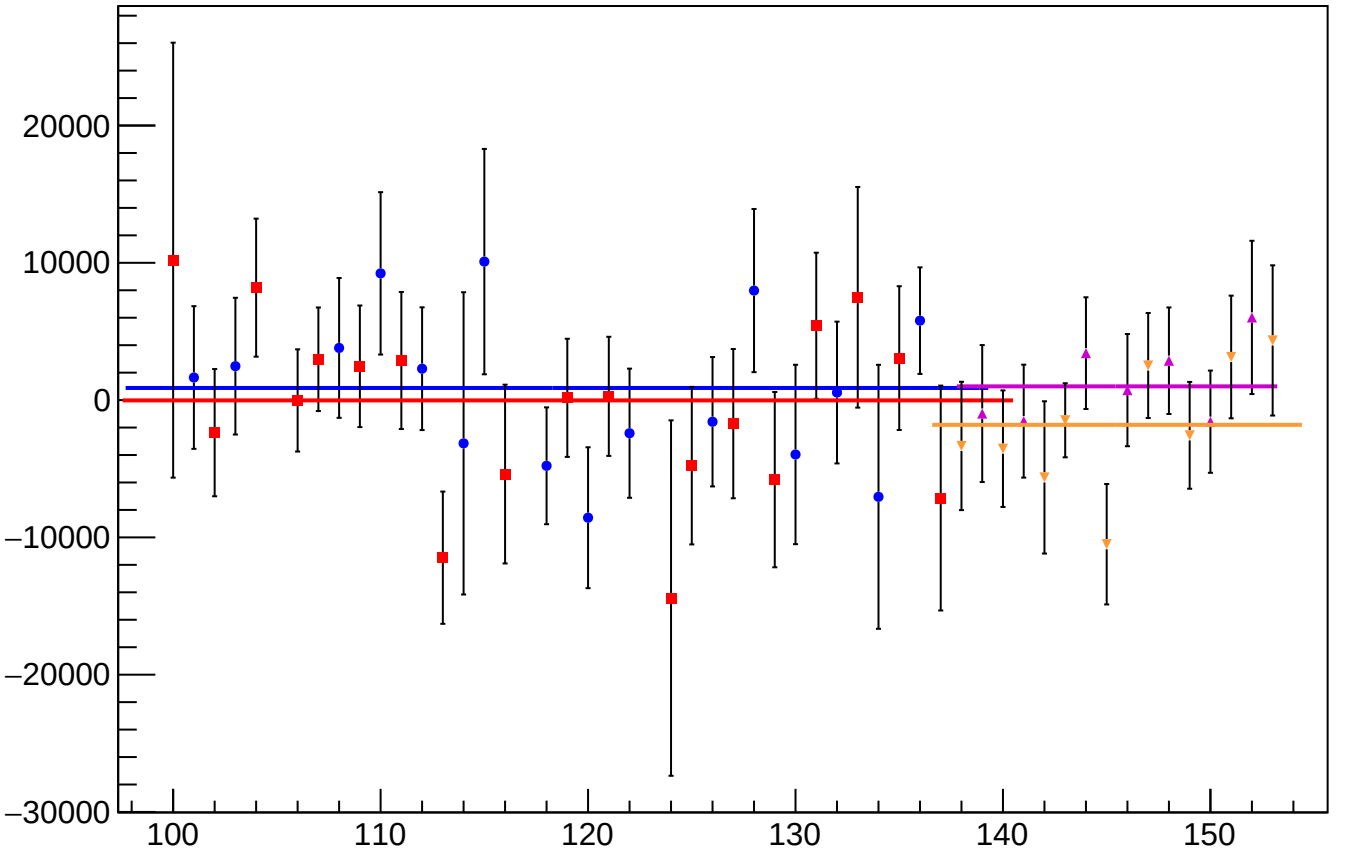
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1328.596+/-0.379 χ^2/NDF:18306.7/6

+ sign 1283.024+/-0.243 χ^2/NDF: 709349.4/24

All: 1296.701+/-0.176 χ^2/NDF: 950984.4/50

- sign 1311.649+/-0.254 χ^2/NDF: 235028.4/25



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1801.407+/-1359.436 χ^2/NDF:8.5/8

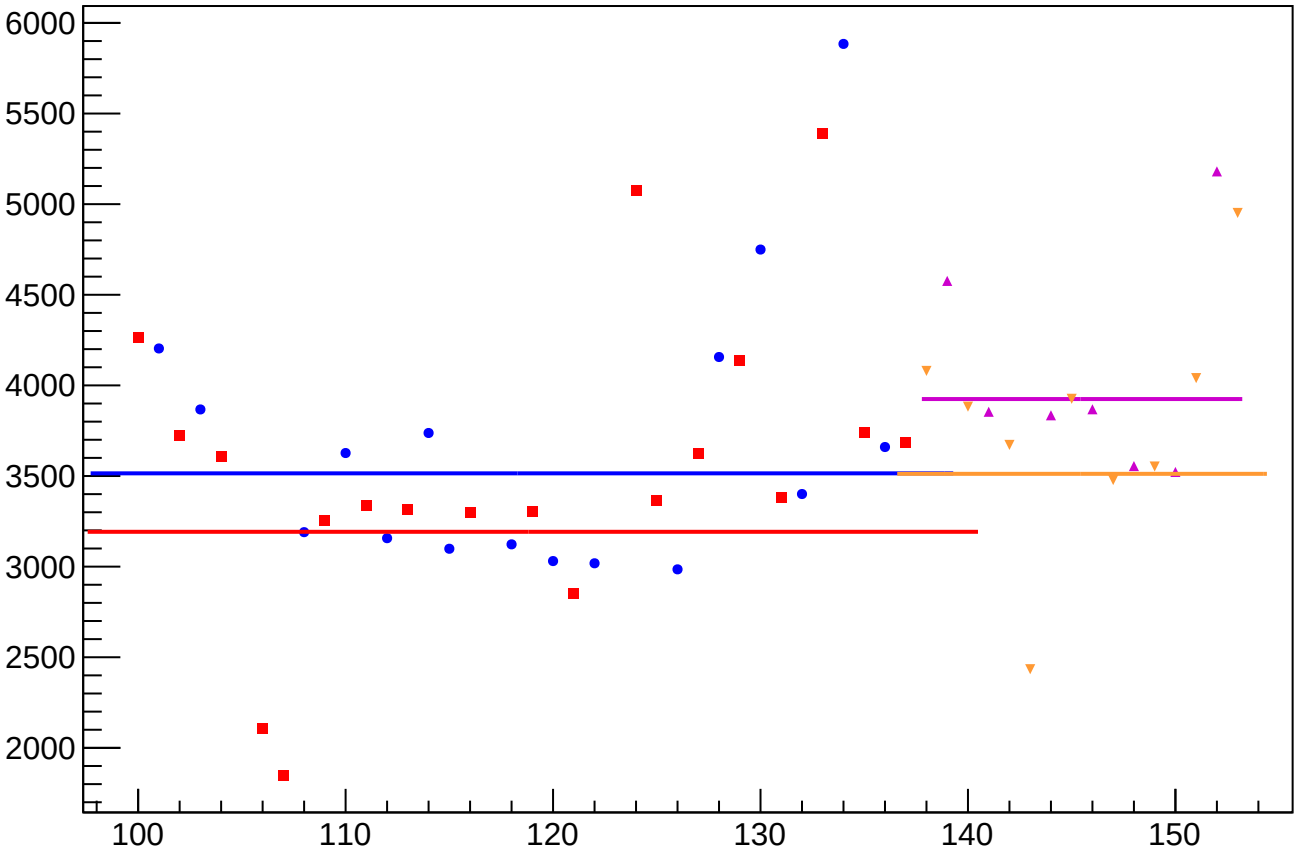
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1000.550+/-1600.802 χ^2/NDF:2.4/6

+ sign -426.661+/-949.736 χ^2/NDF: 24.6/24

All: -44.192+/-675.227 χ^2/NDF: 44.4/50

- sign 346.734+/-960.179 χ^2/NDF: 19.5/25



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3512.011+/-0.961 χ^2/NDF:550482.5/8

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

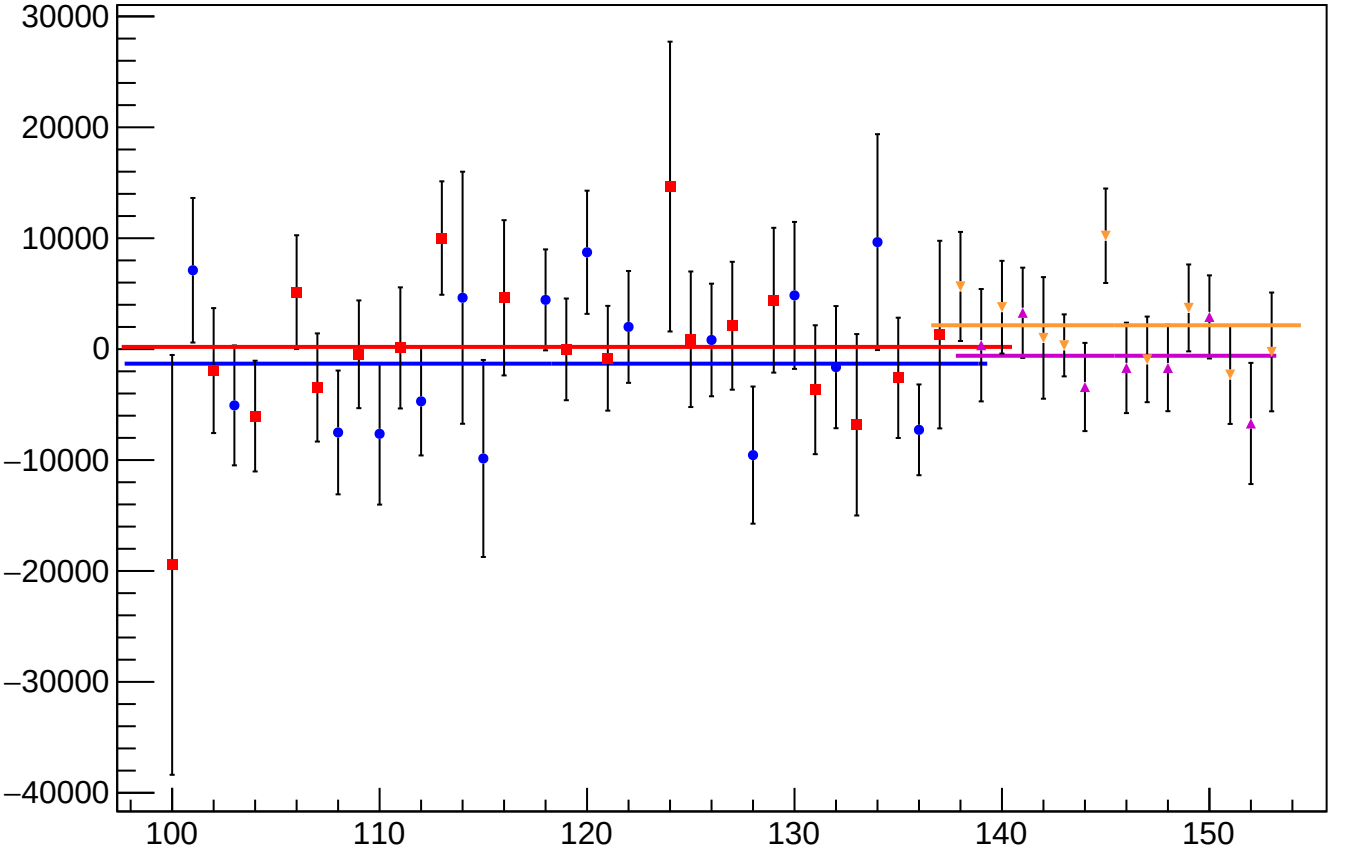
Left In: 3924.690+/-1.132 χ^2/NDF:178887.3/6

+ sign 3513.406+/-0.672 χ^2/NDF: 925569.5/24

All: 3484.882+/-0.477 χ^2/NDF: 2148702.6/50

- sign 3455.728+/-0.679 χ^2/NDF: 1219485.2/25

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2152.955+/-1370.040 χ^2/NDF:6.7/8

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

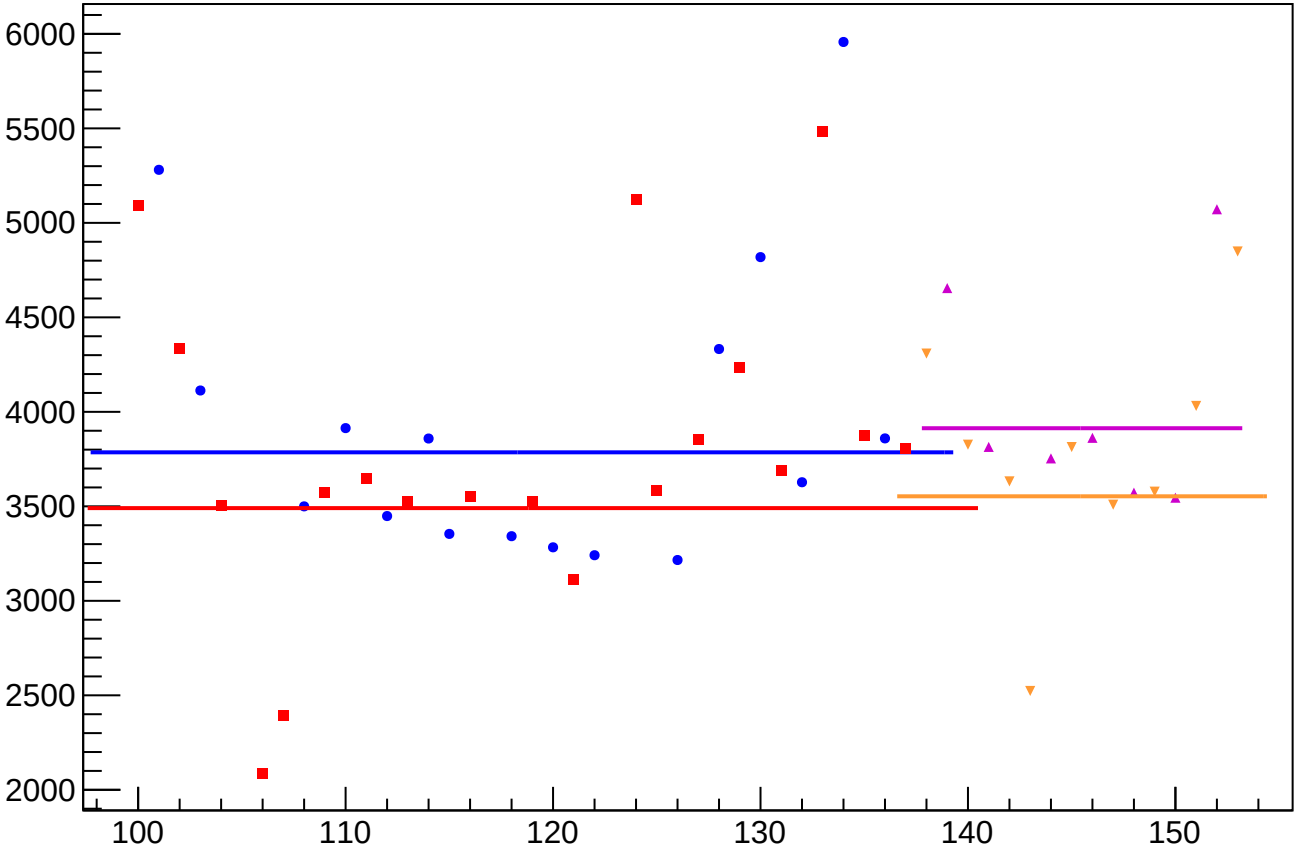
Left In: -596.327+/-1594.326 χ^2/NDF:3.7/6

+ sign 497.871+/-989.820 χ^2/NDF: 27.3/24

All: 195.765+/-711.696 χ^2/NDF: 43.0/50

- sign -127.586+/-1024.032 χ^2/NDF: 15.5/25

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3553.105+/-0.969 χ^2/NDF:475775.6/8

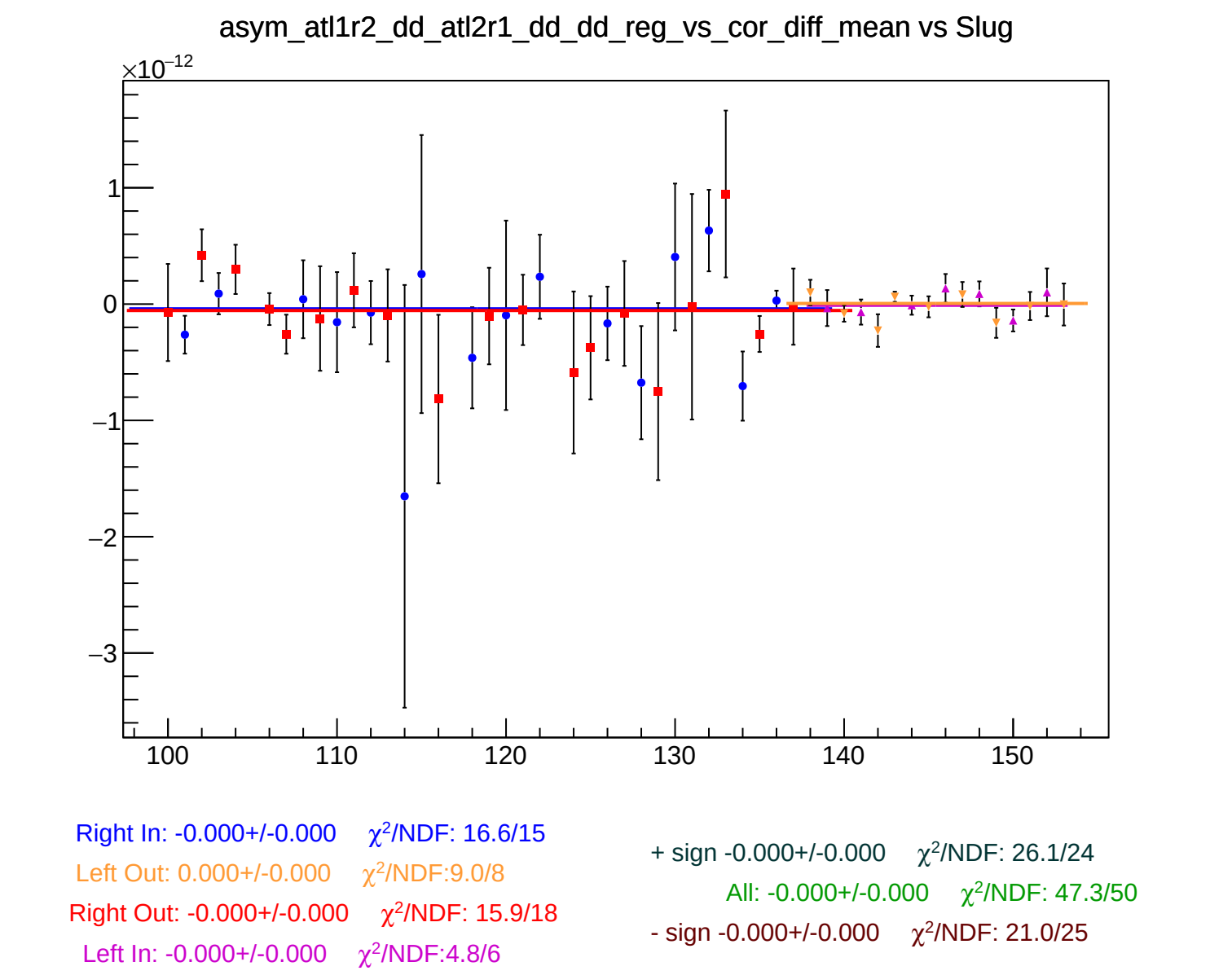
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

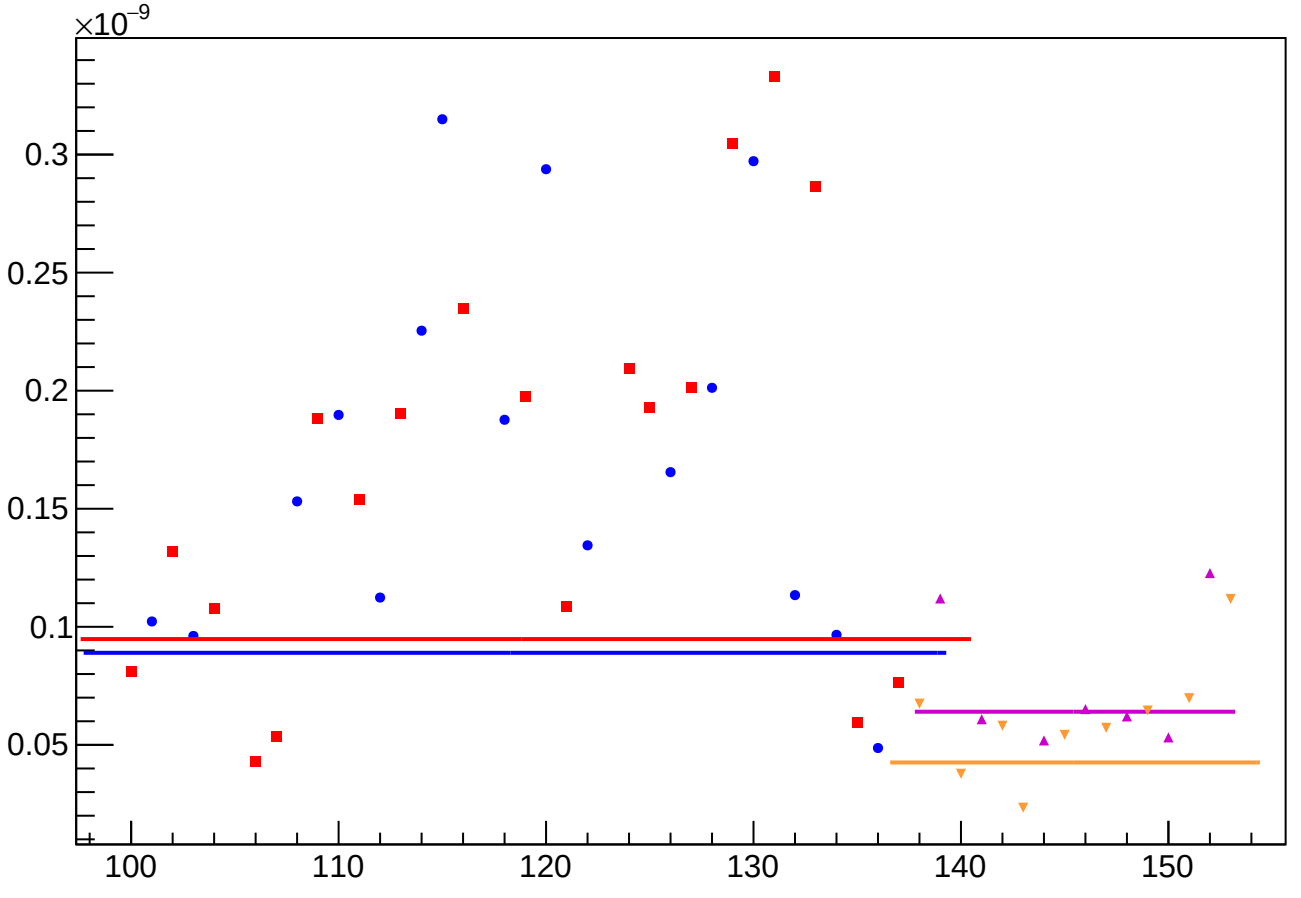
Left In: 3913.340+/-1.127 χ^2/NDF:172116.9/6

+ sign 3664.329+/-0.700 χ^2/NDF: 886342.2/24

All: 3663.293+/-0.501 χ^2/NDF: 1728709.5/50

- sign 3662.202+/-0.718 χ^2/NDF: 842362.8/25


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.0/8
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:4.8/6
+ sign -0.000+/-0.000 χ²/NDF: 26.1/24
All: -0.000+/-0.000 χ²/NDF: 47.3/50
- sign -0.000+/-0.000 χ²/NDF: 21.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1041855.2/8

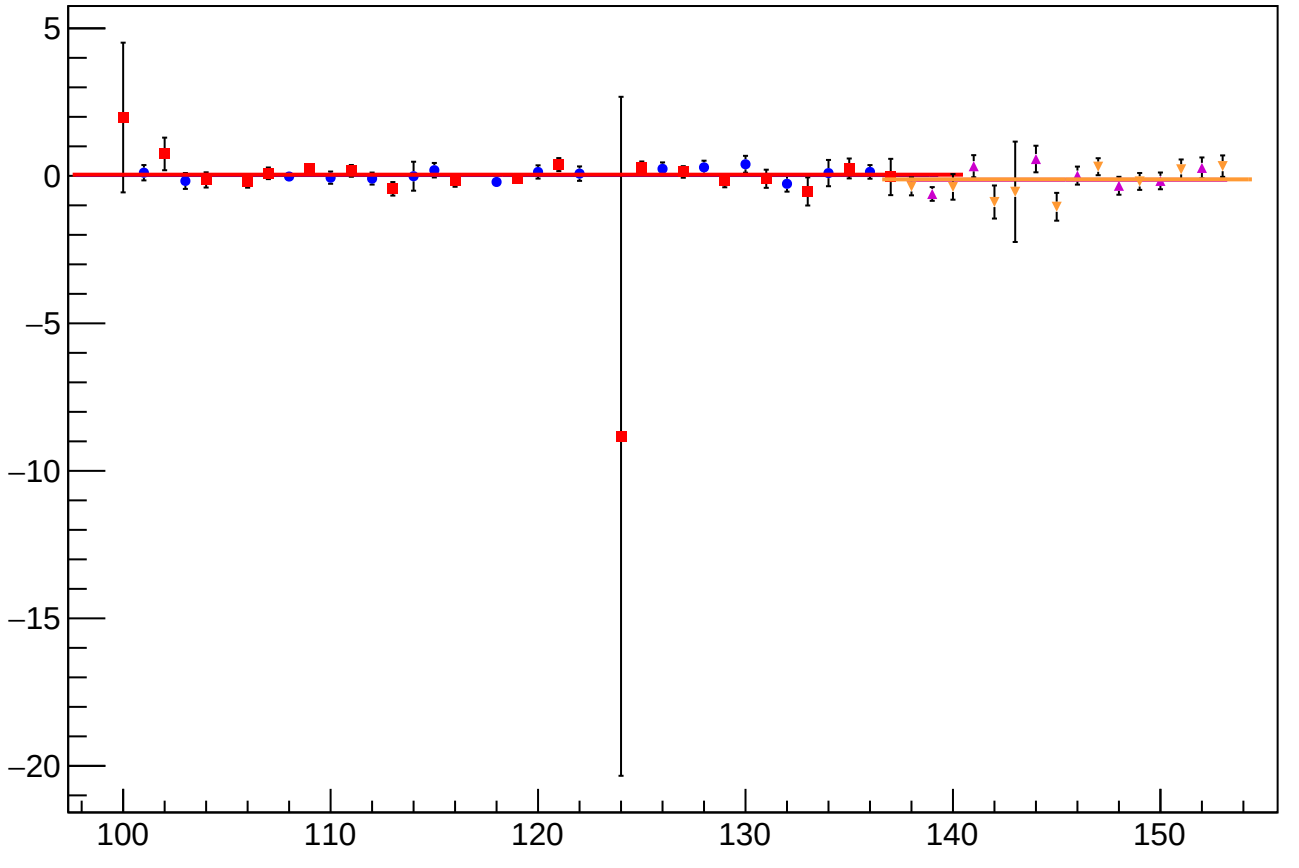
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:428699.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3505467.4/24

All: 0.000+/-0.000 χ^2/NDF: 6498122.6/50

- sign 0.000+/-0.000 χ^2/NDF: 2486384.4/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

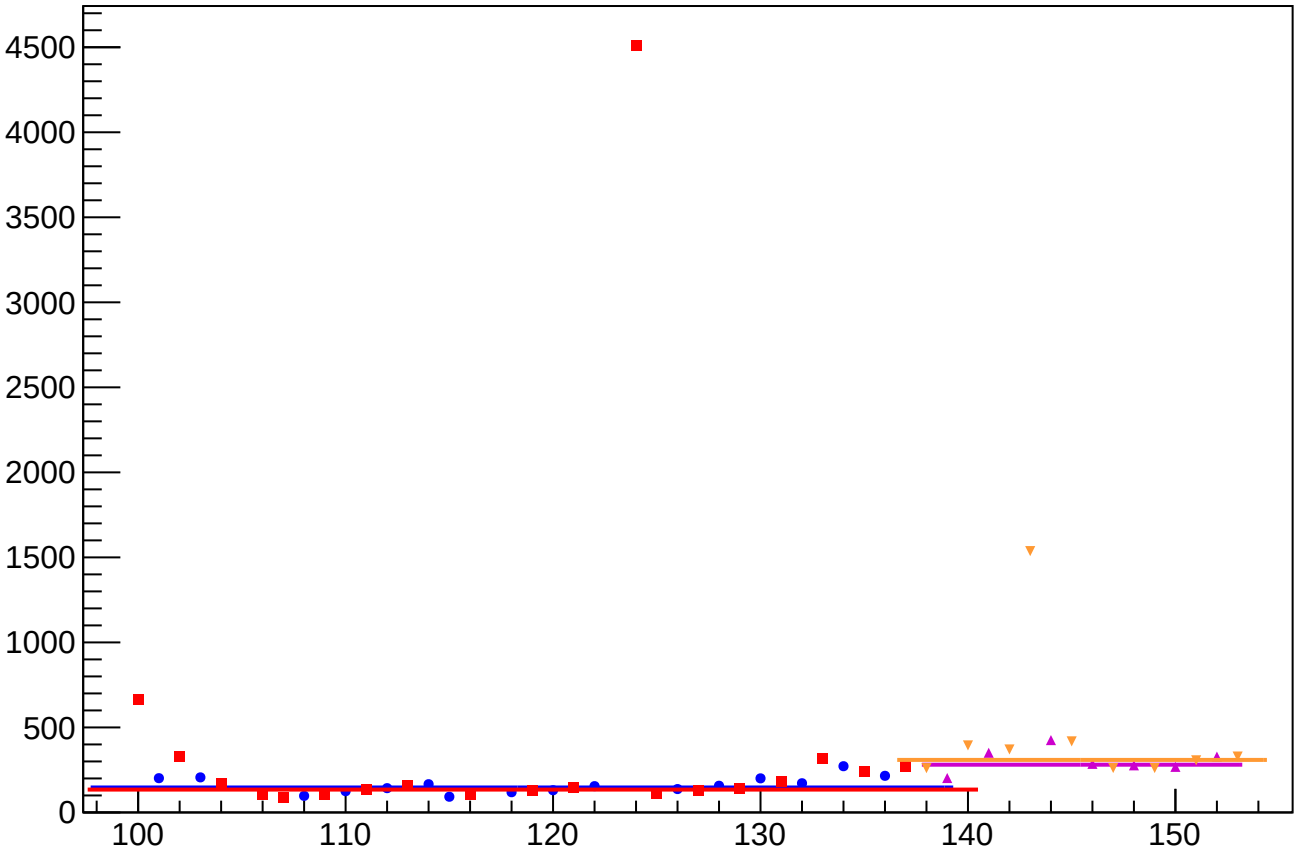
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 309.010+/-0.088 χ^2/NDF:1418308.9/8

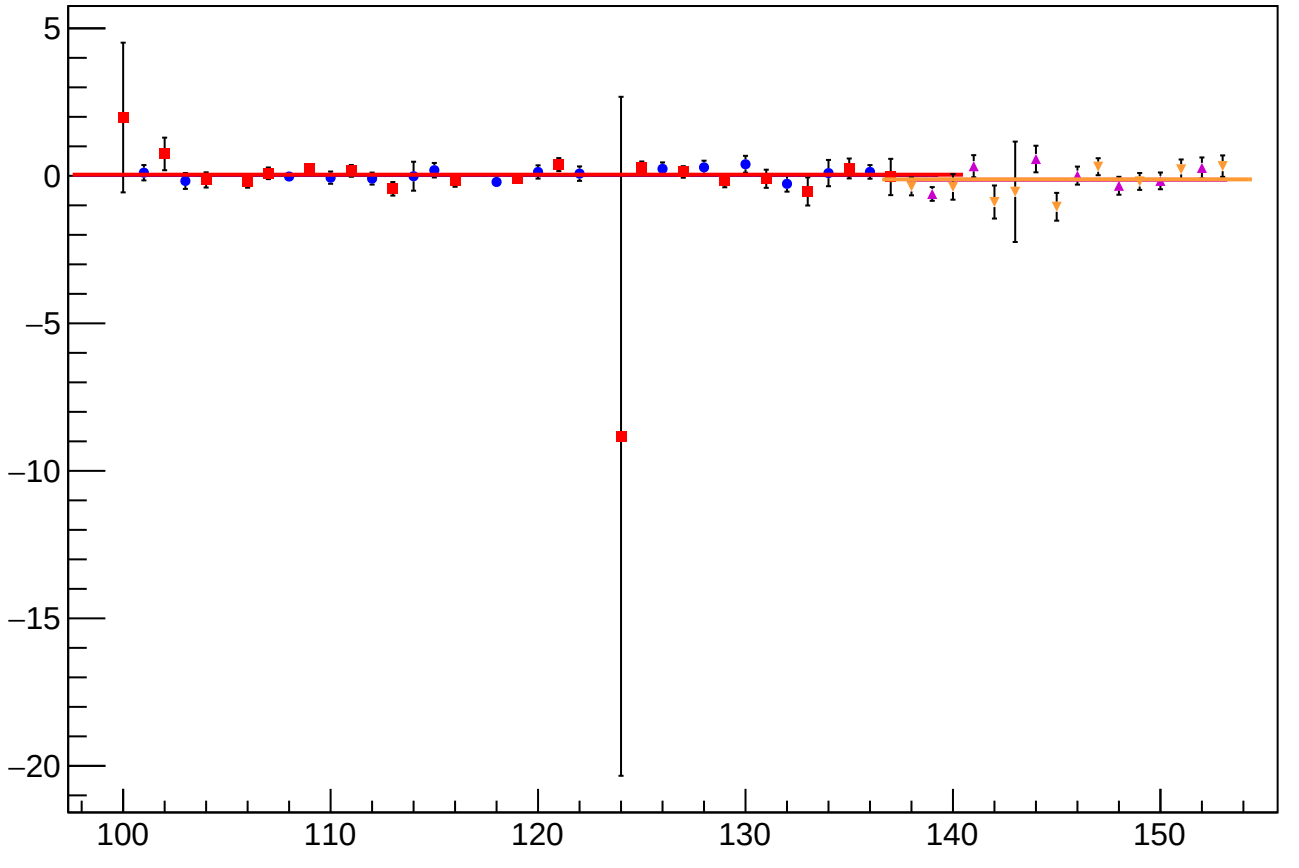
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229682.8/24

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

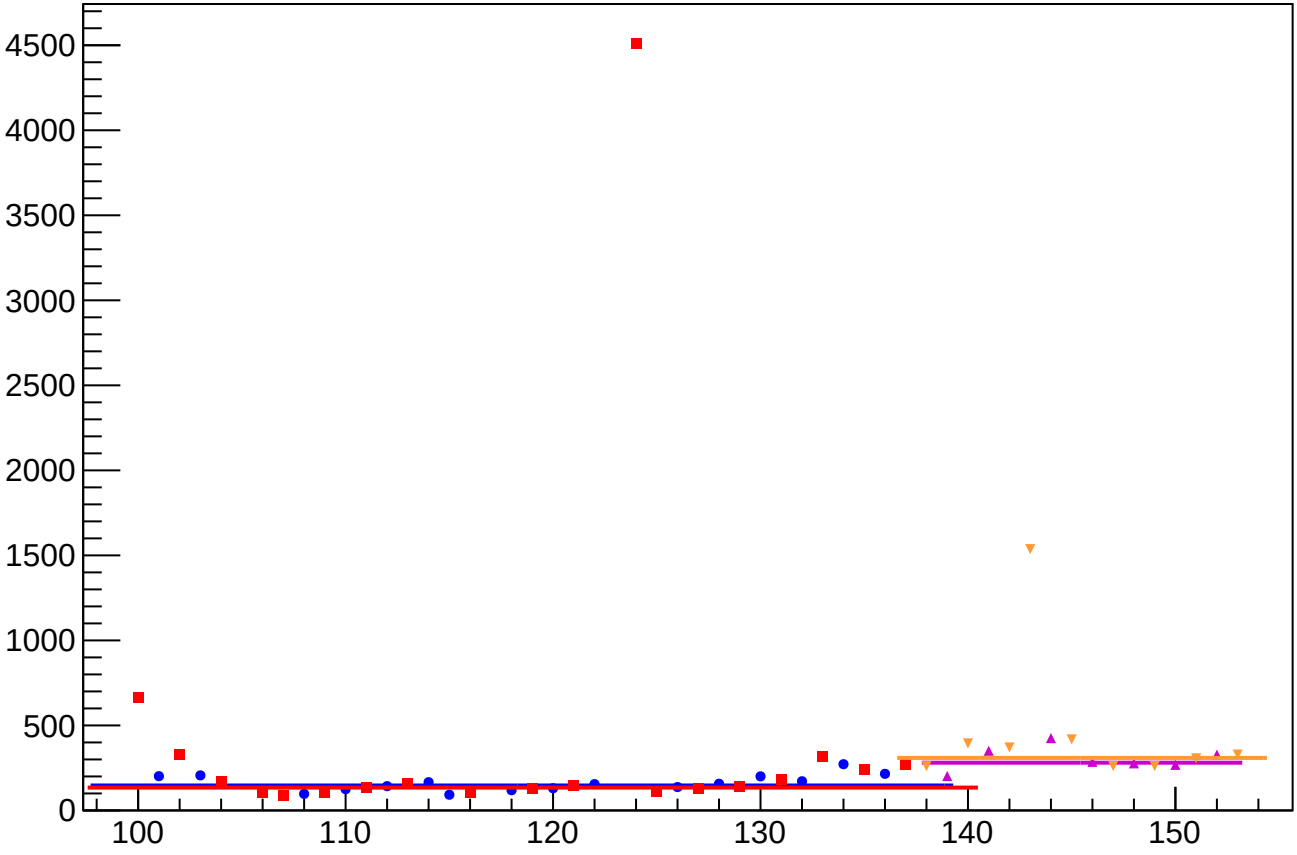
Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 309.010+/-0.088 χ^2/NDF:1418308.9/8

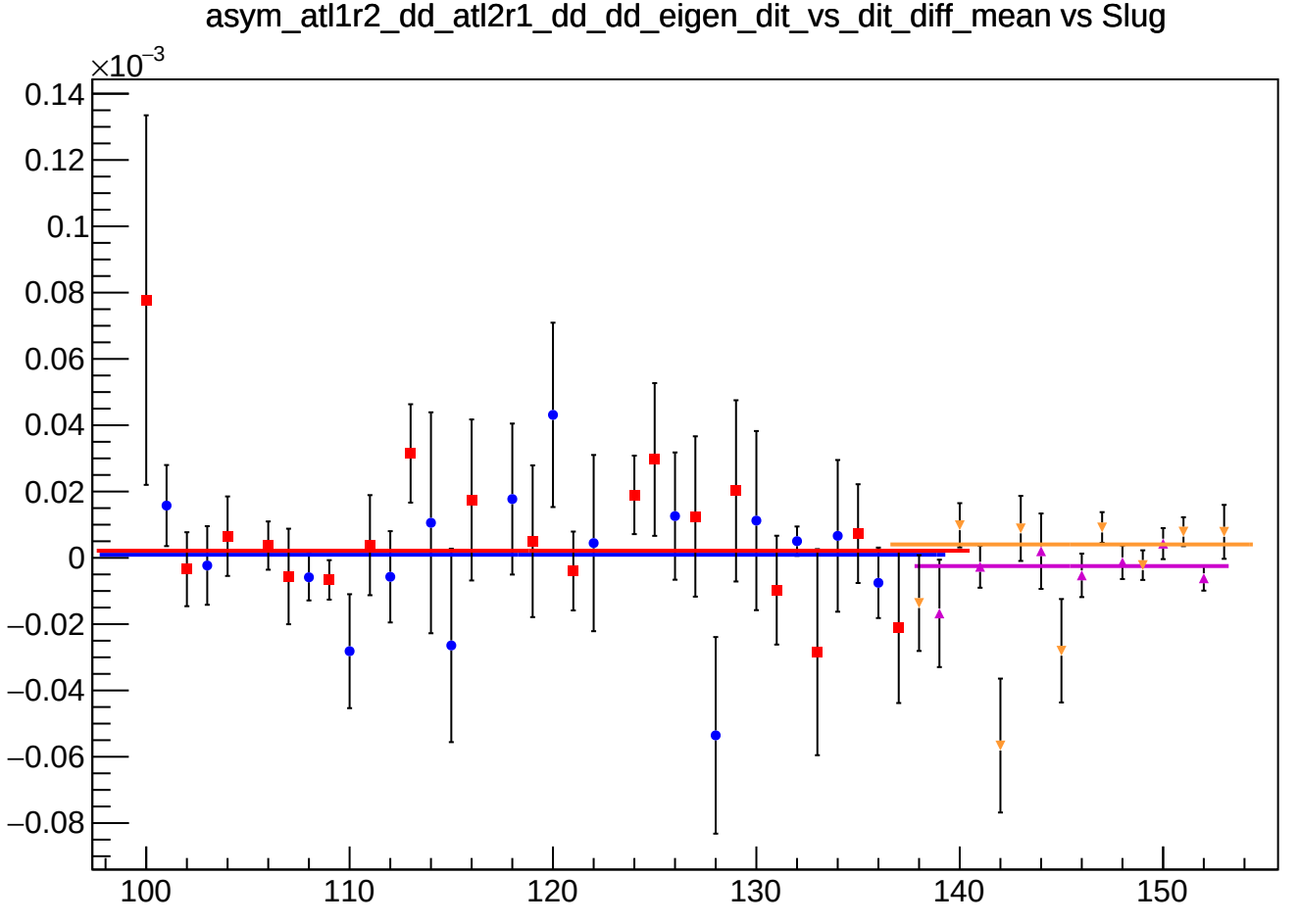
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229682.8/24

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50

- sign 160.654+/-0.035 χ^2/NDF: 4701774.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/8

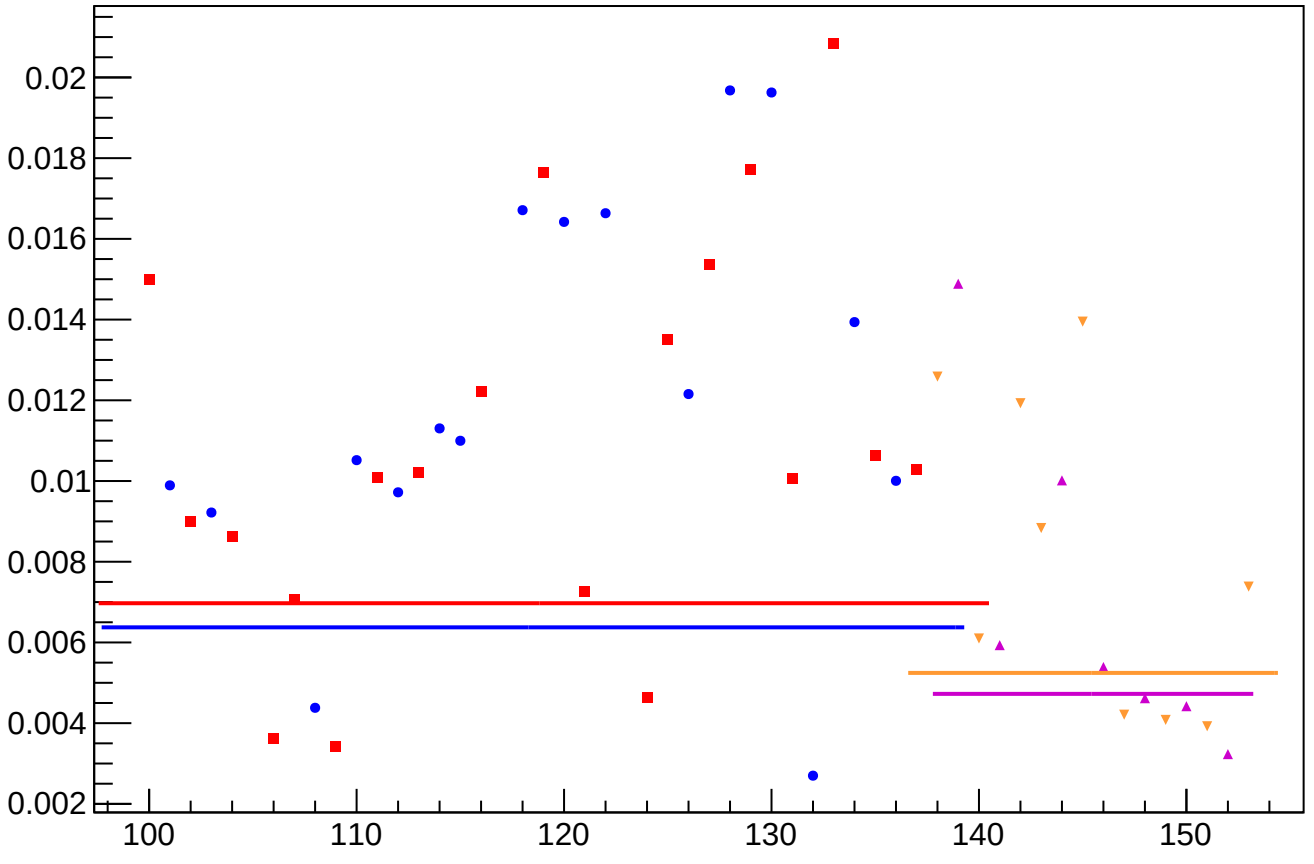
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/24

All: 0.000+/-0.000 χ^2/NDF: 59.8/50

- sign -0.000+/-0.000 χ^2/NDF: 21.8/25



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2216600.2/8

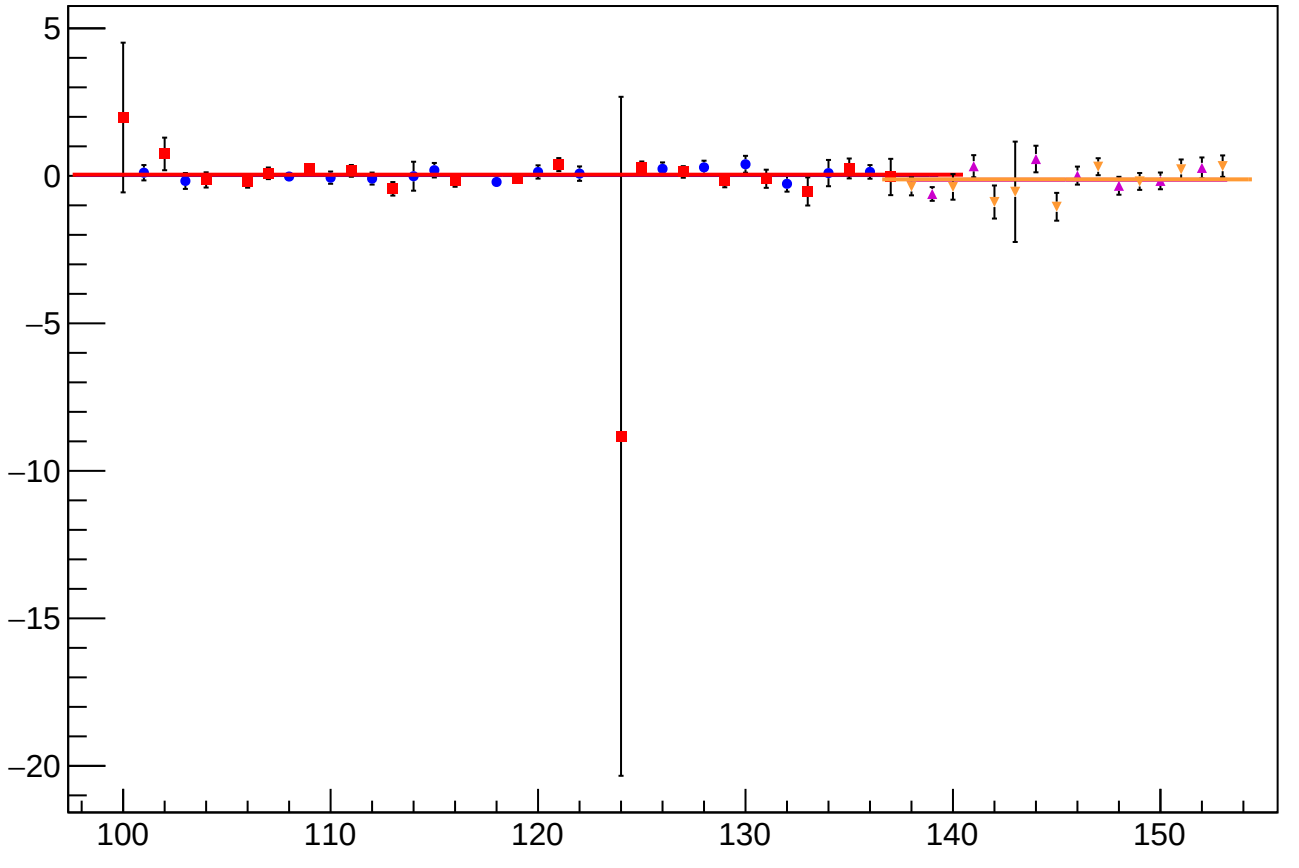
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1642592.5/6

+ sign 0.006+/-0.000 χ^2/NDF: 7047153.8/24

All: 0.006+/-0.000 χ^2/NDF: 12845103.5/50

- sign 0.005+/-0.000 χ^2/NDF: 5788798.5/25



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

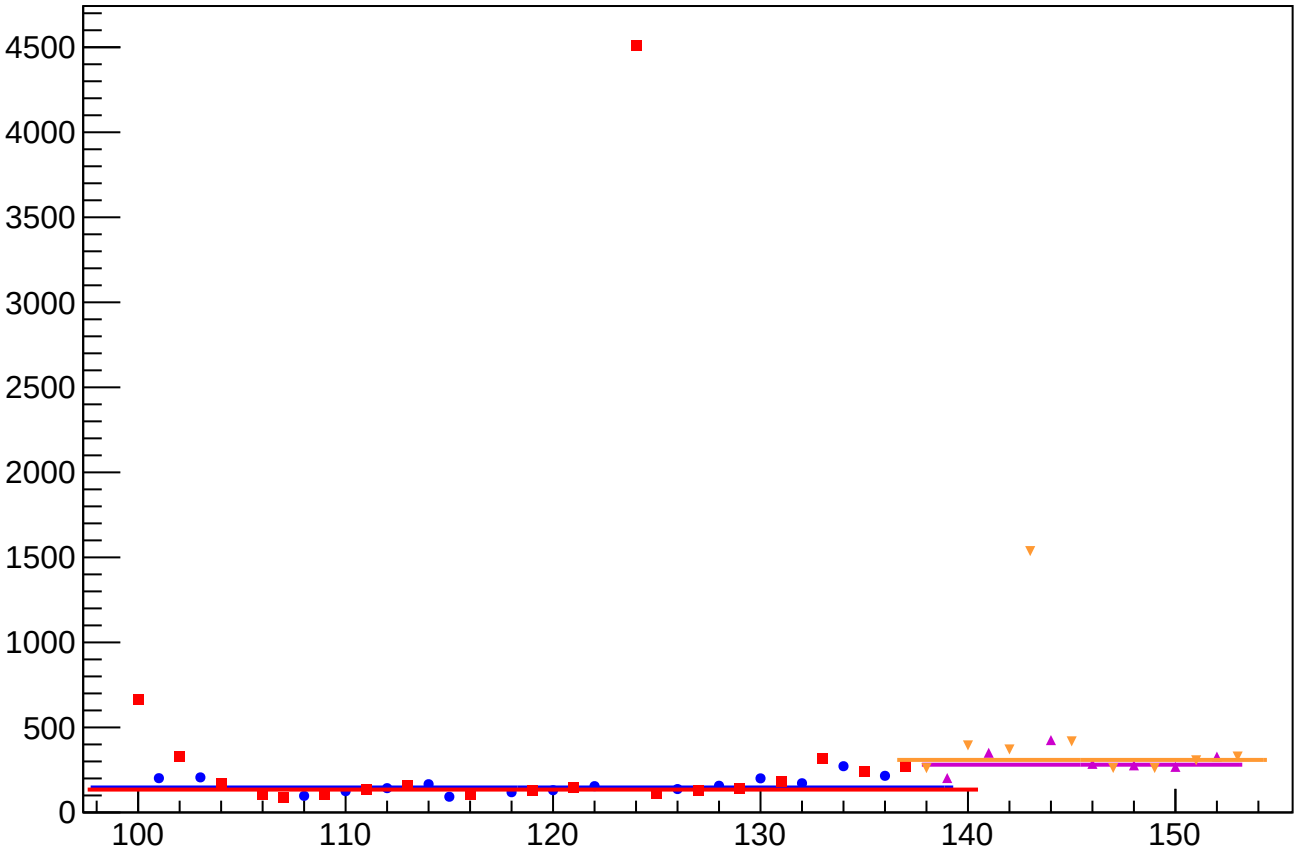
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 309.013+/-0.088 χ^2/NDF:1418308.0/8

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

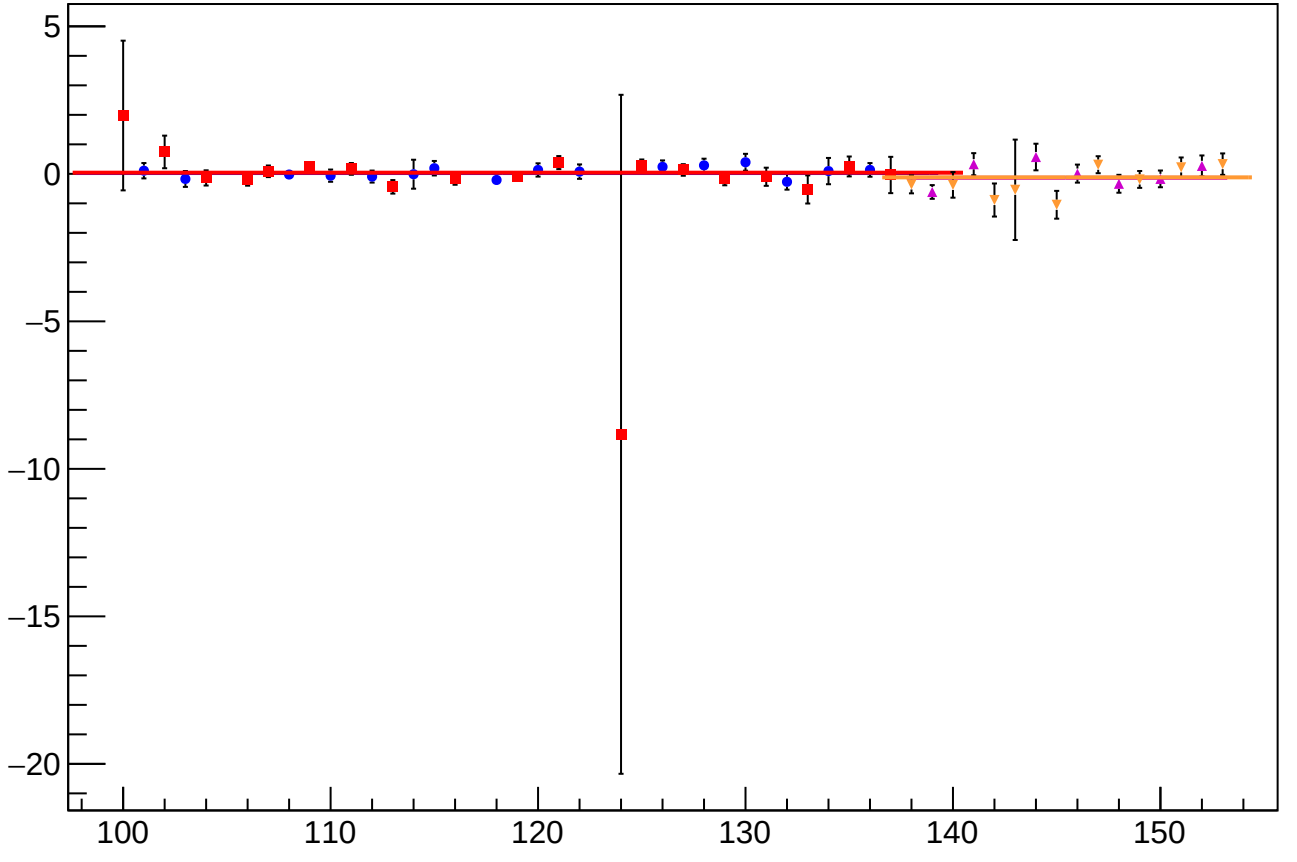
Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229692.7/24

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

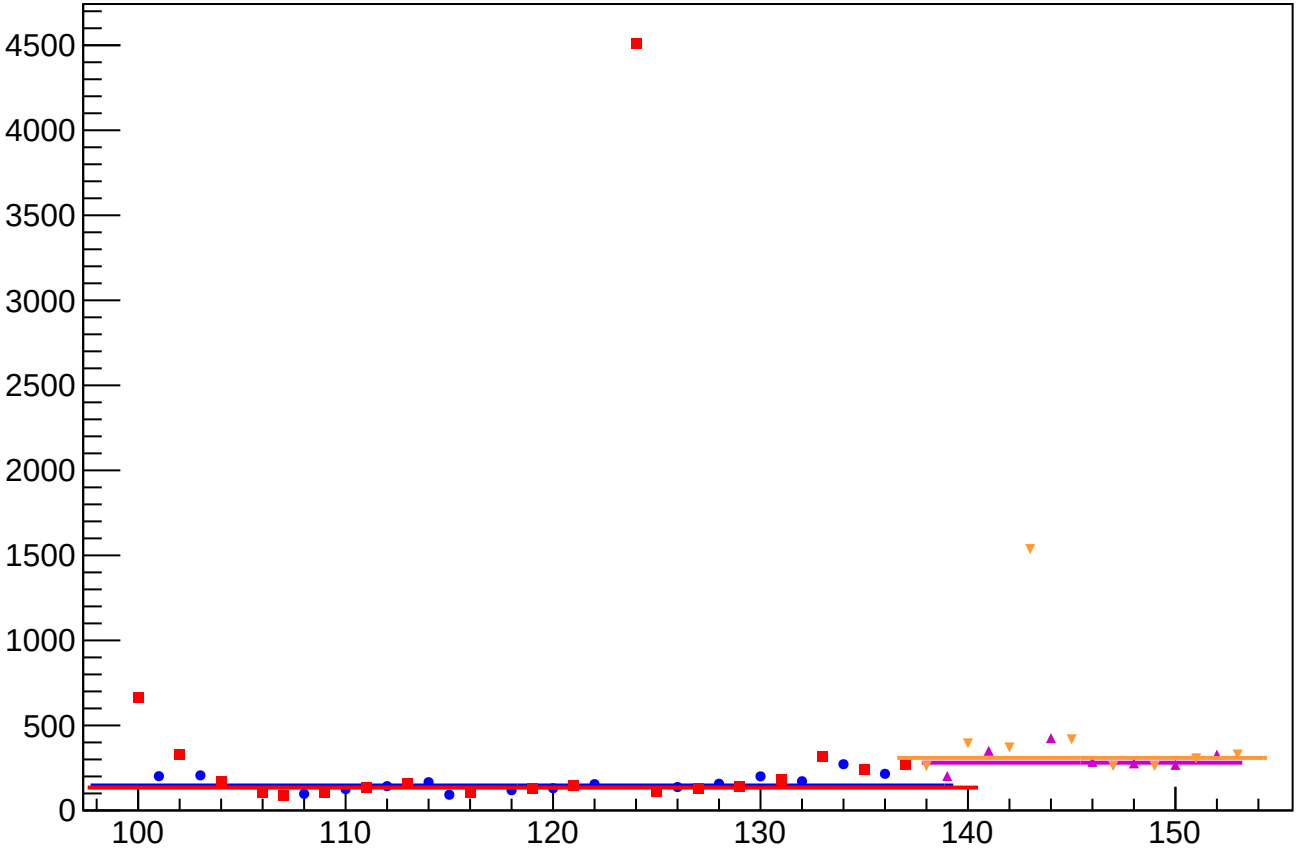
Left In: -0.134+/-0.117 χ^2/NDF:10.2/6

+ sign 0.002+/-0.052 χ^2/NDF: 22.2/24

All: 0.005+/-0.036 χ^2/NDF: 54.2/50

- sign 0.008+/-0.050 χ^2/NDF: 32.0/25

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 309.013+/-0.088 χ^2/NDF:1418308.0/8

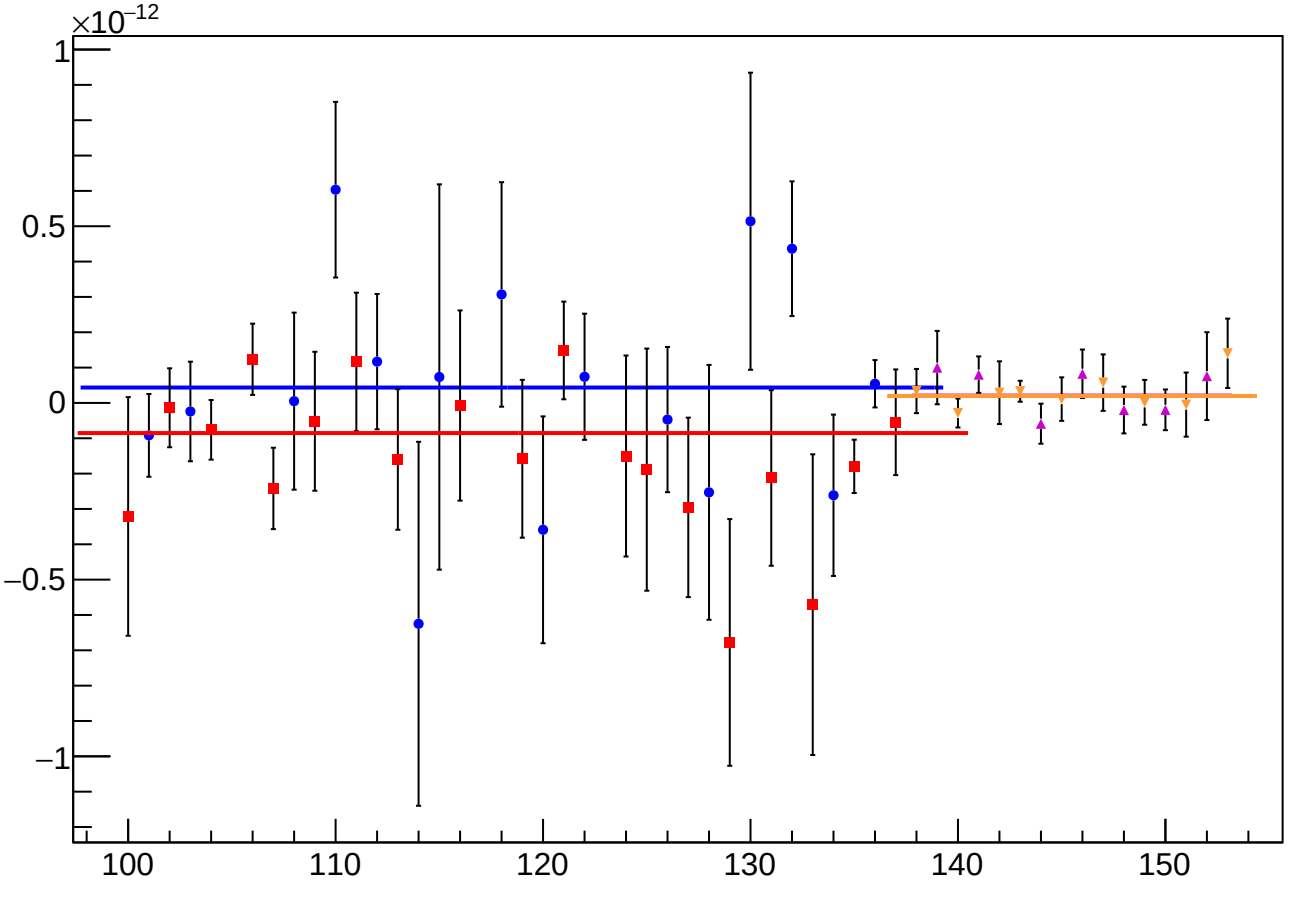
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

+ sign 175.701+/-0.037 χ^2/NDF: 5229692.7/24

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50

- sign 160.656+/-0.035 χ^2/NDF: 4701709.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/8

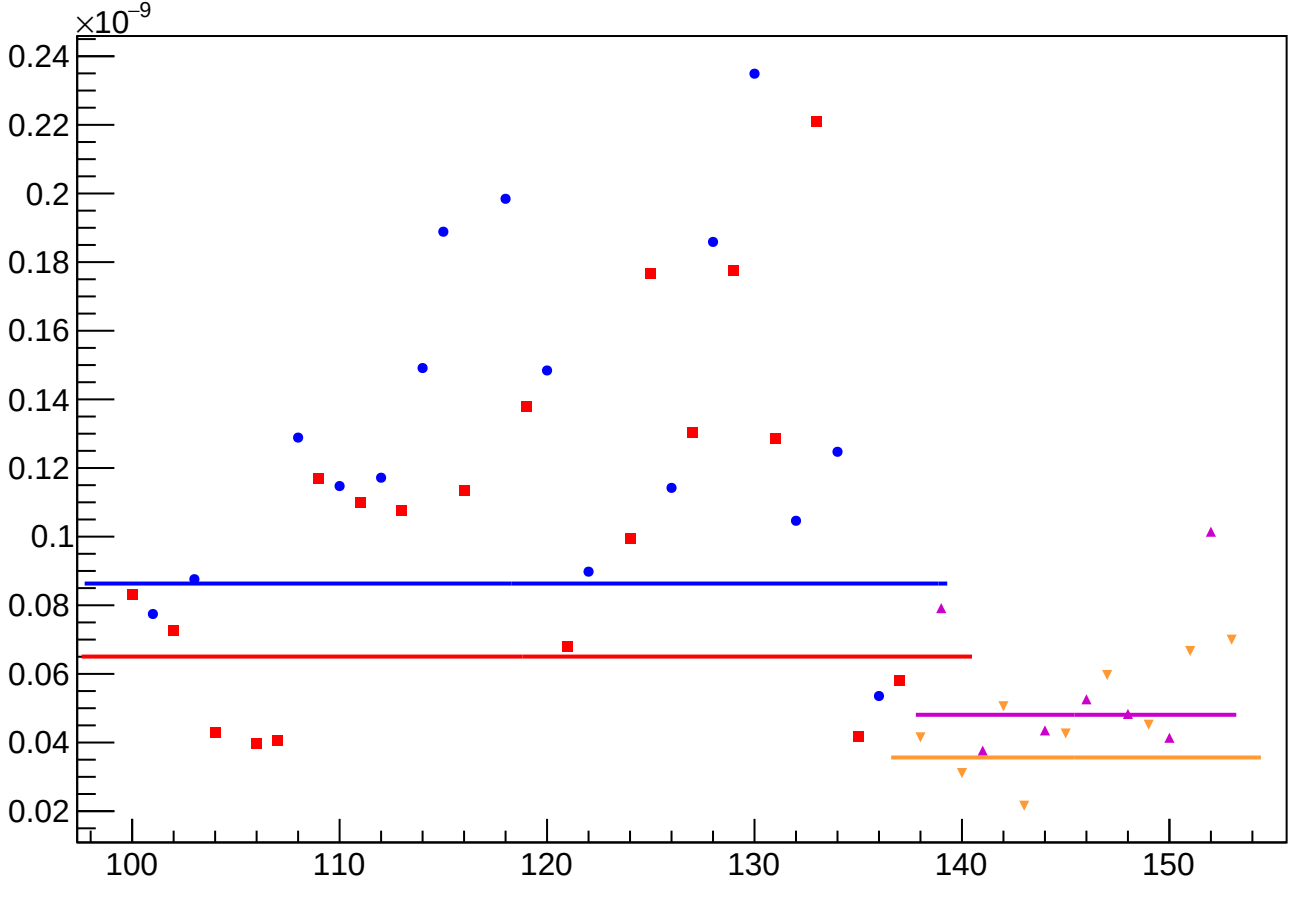
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/24

All: 0.000+/-0.000 χ^2/NDF: 55.3/50

- sign -0.000+/-0.000 χ^2/NDF: 30.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1279426.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

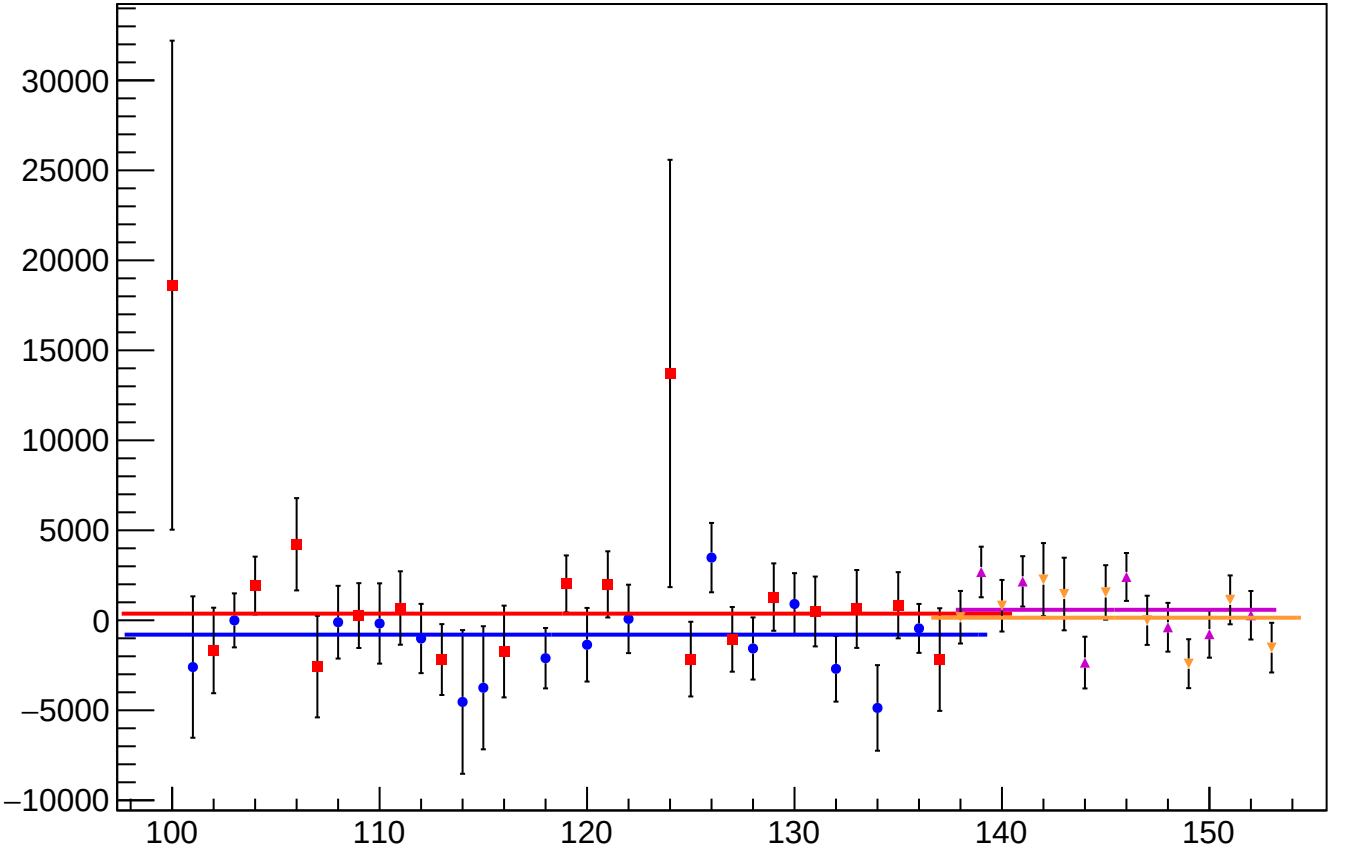
Left In: 0.000+/-0.000 χ^2/NDF:678131.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 5225782.3/24

All: 0.000+/-0.000 χ^2/NDF: 8706372.8/50

- sign 0.000+/-0.000 χ^2/NDF: 3156692.4/25

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 143.398+/-498.445 χ^2/NDF:8.1/8

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

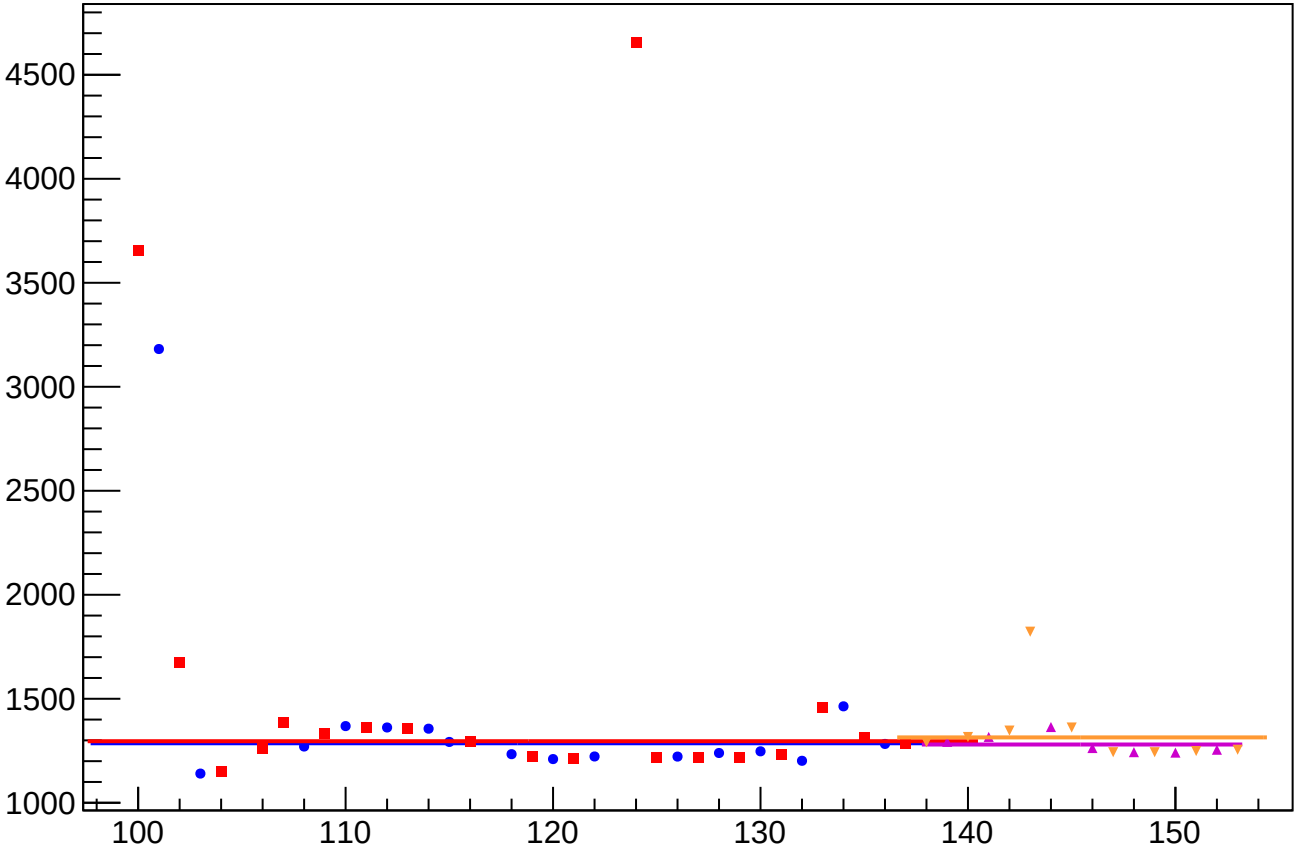
Left In: 583.590+/-516.914 χ^2/NDF:11.2/6

+ sign -337.429+/-348.503 χ^2/NDF: 23.4/24

All: 60.045+/-248.353 χ^2/NDF: 52.9/50

- sign 470.185+/-354.011 χ^2/NDF: 26.9/25

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

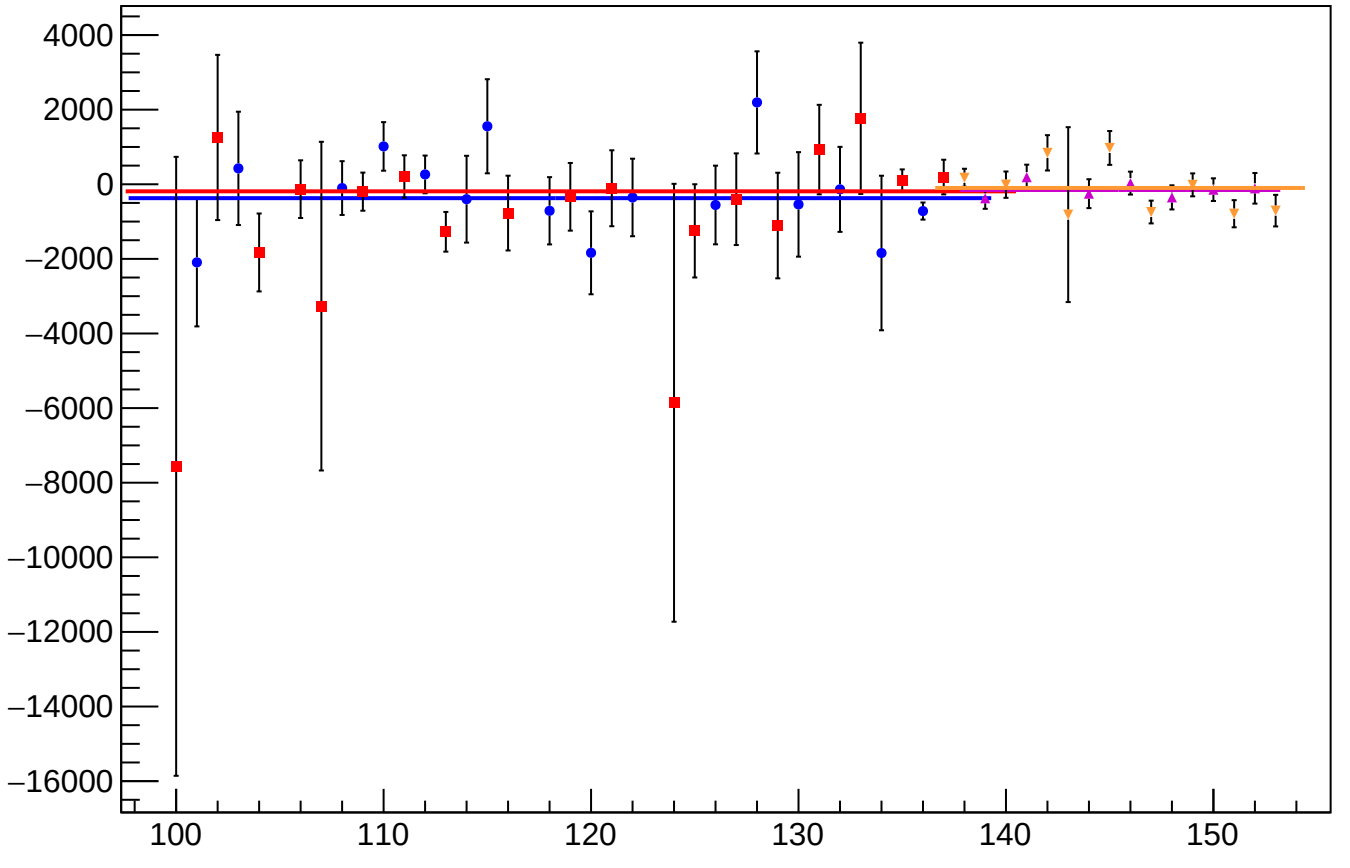
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1299.880+/-0.246 χ^2/NDF: 670654.8/24

All: 1294.284+/-0.176 χ^2/NDF: 1013406.6/50

- sign 1288.509+/-0.250 χ^2/NDF: 341703.9/25



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -98.665+/-120.284 χ^2/NDF:21.2/8

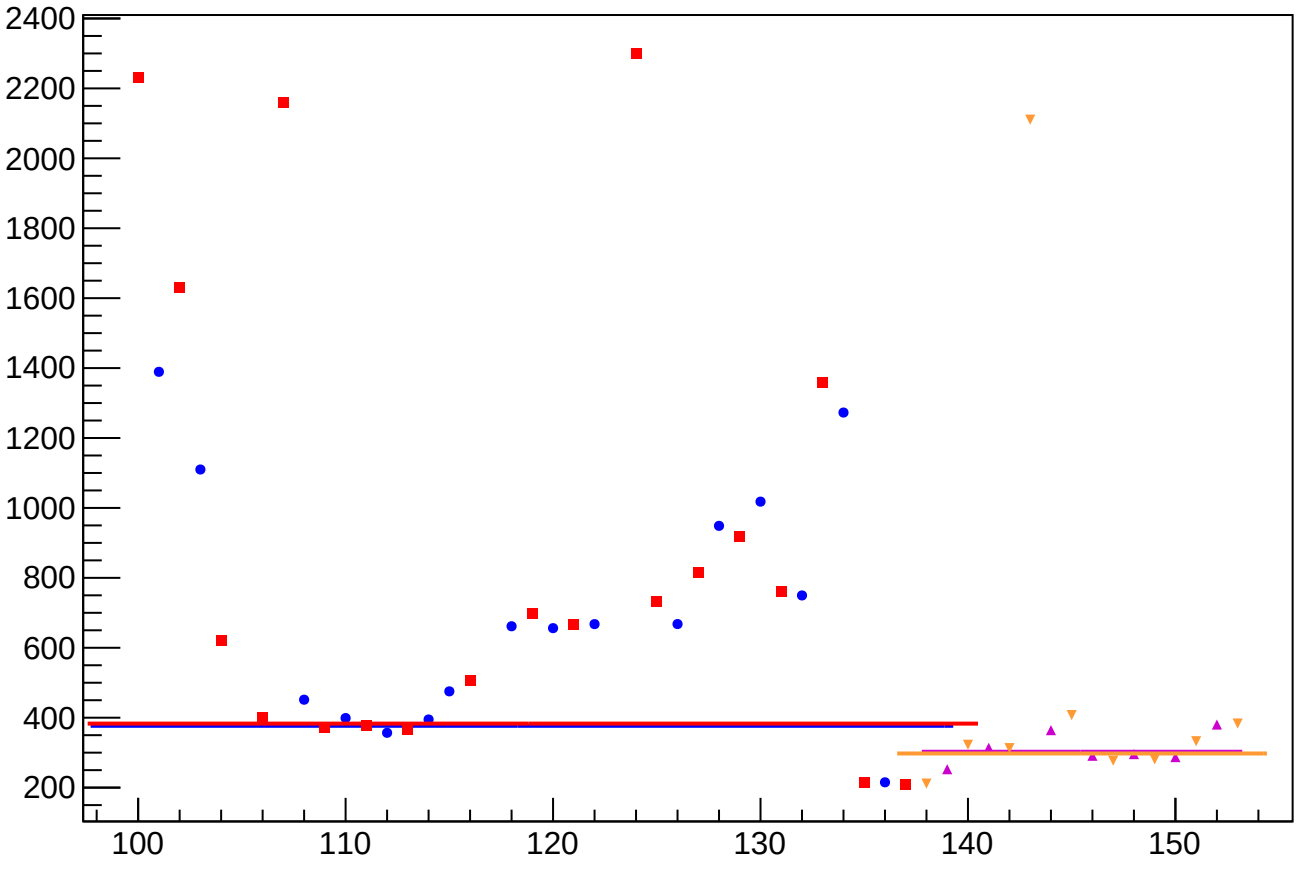
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -152.828+/-123.979 χ^2/NDF:2.5/6

+ sign -191.259+/-97.841 χ^2/NDF: 41.1/24

All: -178.627+/-69.963 χ^2/NDF: 58.3/50

- sign -165.409+/-100.083 χ^2/NDF: 17.2/25



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 297.652+/-0.085 χ^2/NDF:1695747.5/8

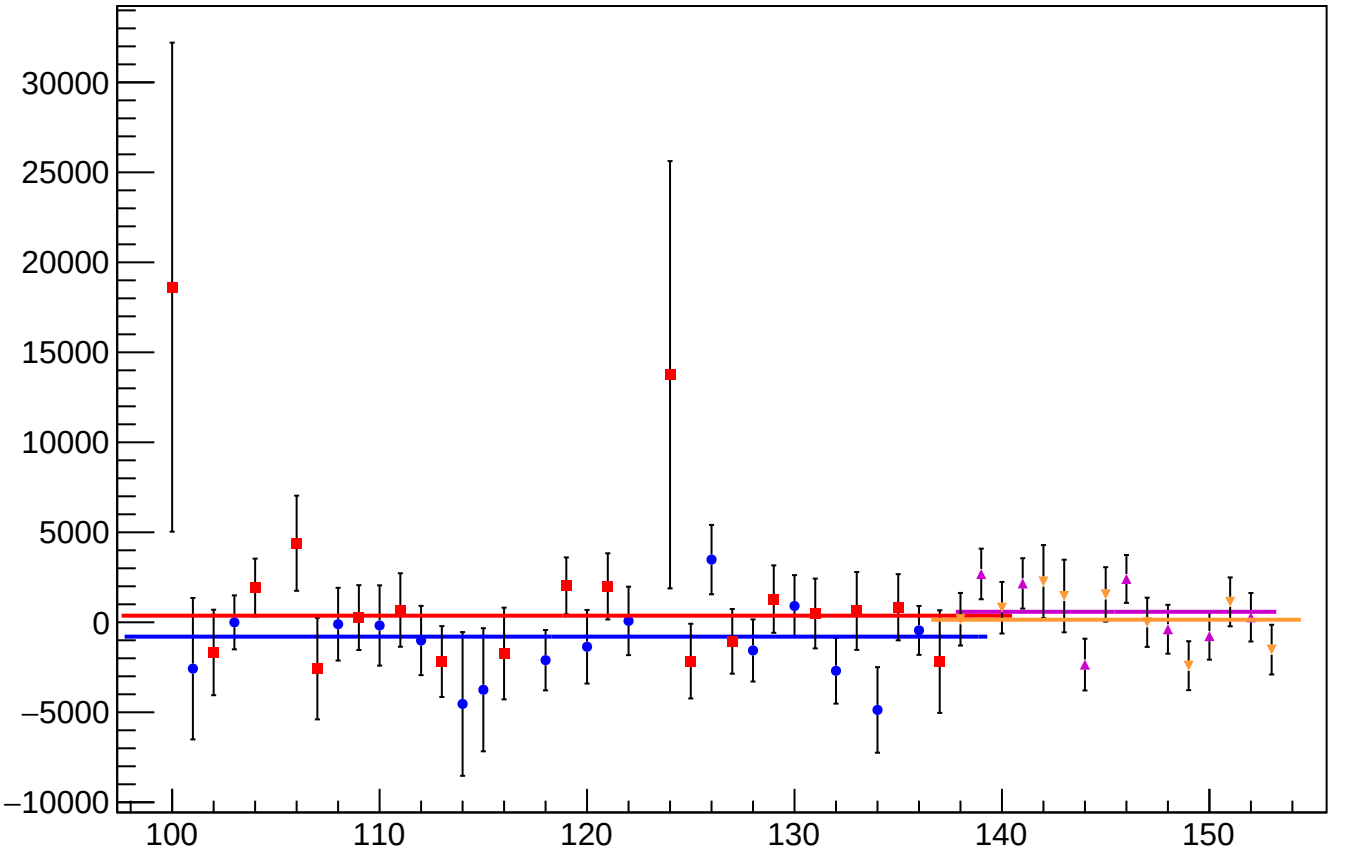
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 302.561+/-0.088 χ^2/NDF:196714.5/6

+ sign 324.463+/-0.069 χ^2/NDF: 6179627.3/24

All: 327.465+/-0.049 χ^2/NDF: 10728124.3/50

- sign 330.606+/-0.071 χ^2/NDF: 4544644.4/25



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 143.408+/-498.445 χ^2/NDF:8.1/8

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

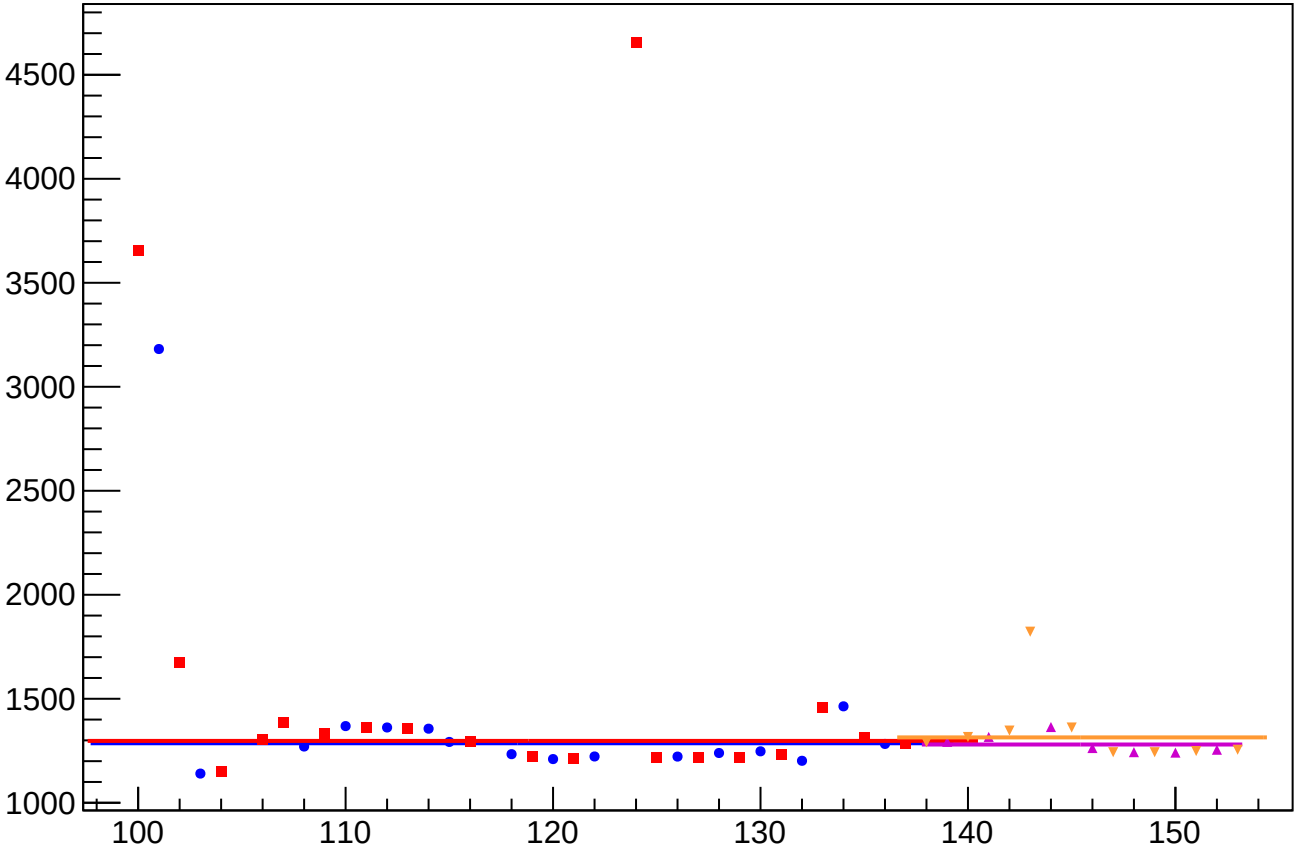
Left In: 583.580+/-516.914 χ^2/NDF:11.2/6

\+ sign -337.219+/-348.503 χ^2/NDF: 23.4/24

All: 59.315+/-248.423 χ^2/NDF: 52.9/50

\- sign 468.950+/-354.213 χ^2/NDF: 26.9/25

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

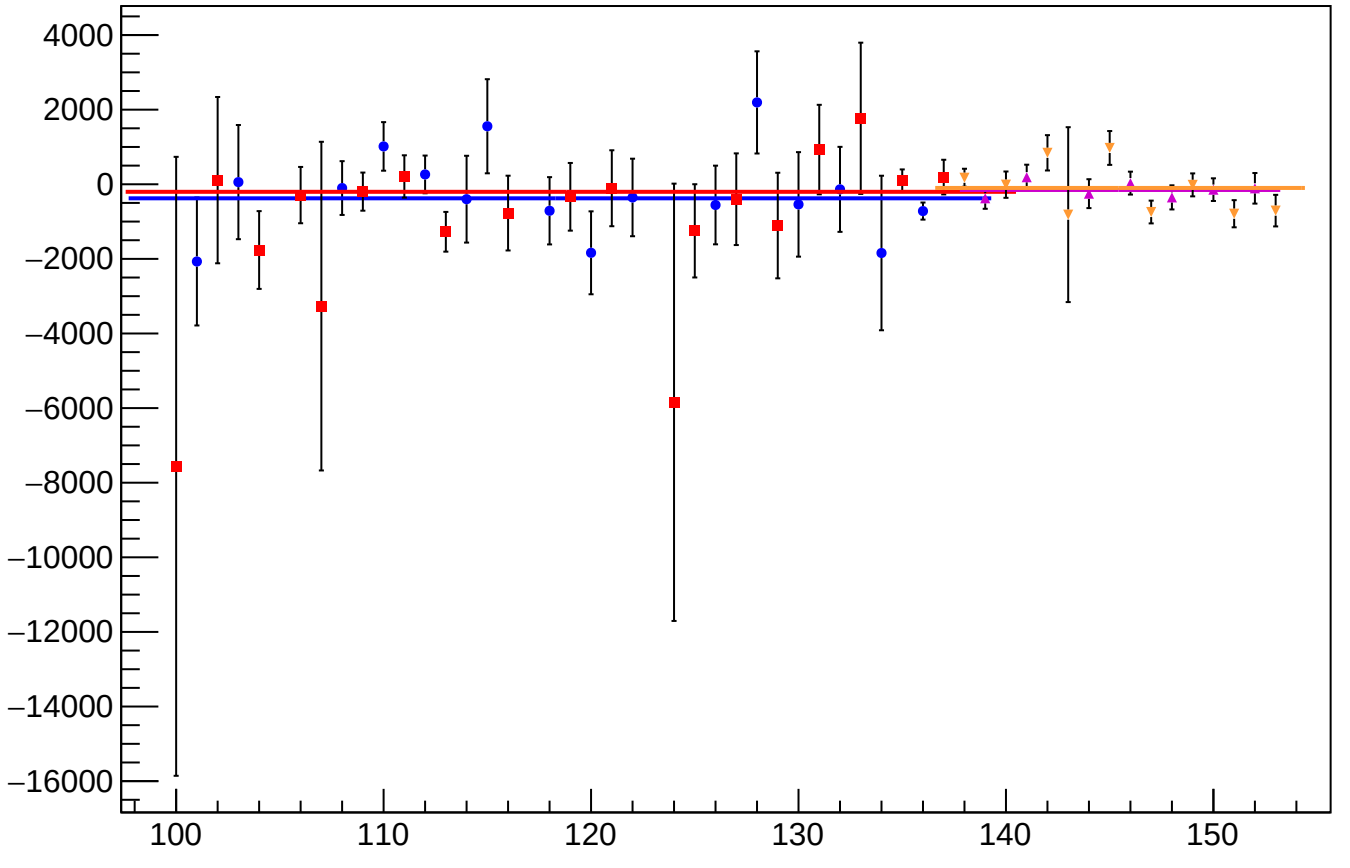
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1299.880+/-0.246 χ^2/NDF: 670656.3/24

All: 1294.661+/-0.176 χ^2/NDF: 1013133.6/50

- sign 1289.270+/-0.250 χ^2/NDF: 341565.6/25



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -98.680+/-120.287 χ^2/NDF:21.2/8

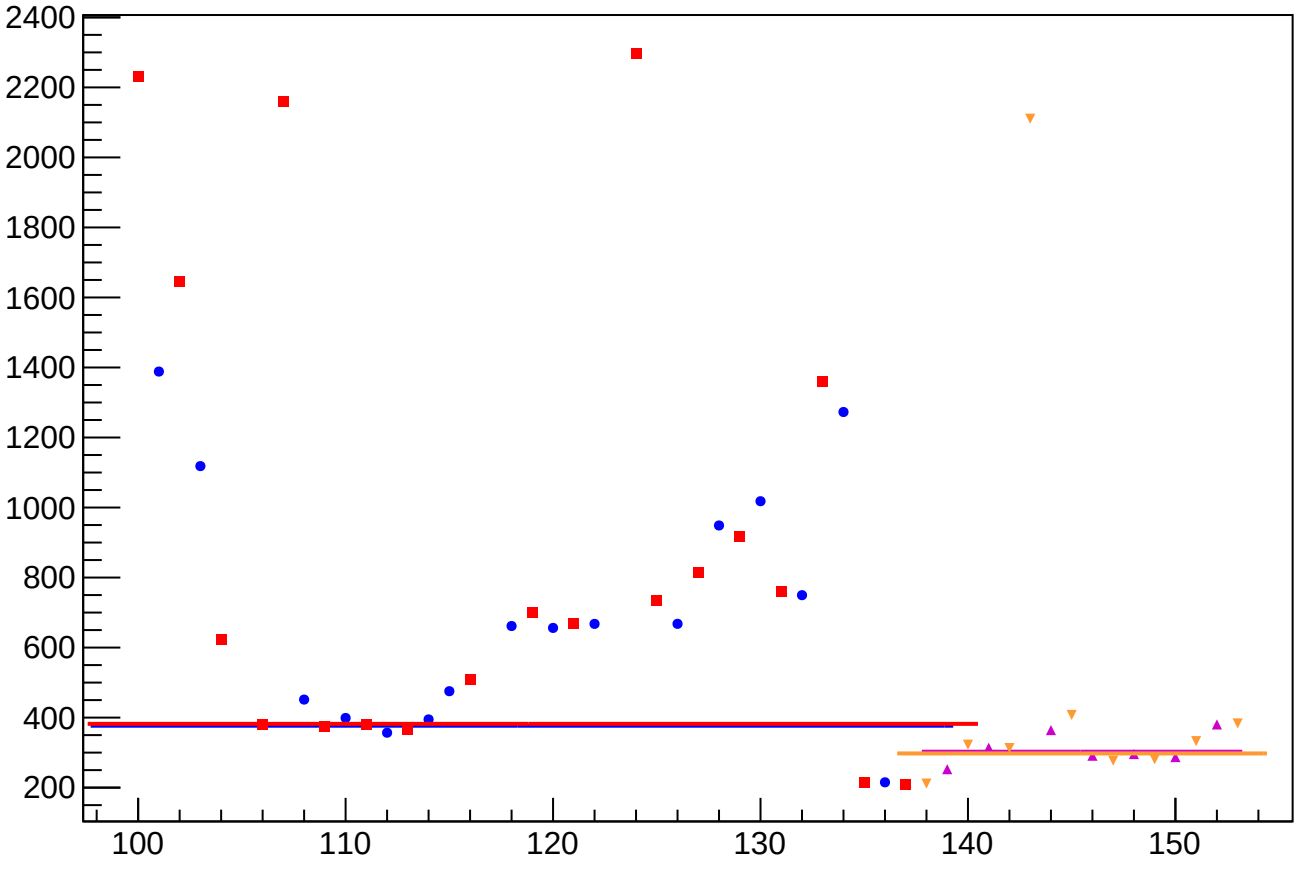
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -152.851+/-123.978 χ^2/NDF:2.5/6

+ sign -192.762+/-97.847 χ^2/NDF: 40.9/24

All: -181.657+/-69.951 χ^2/NDF: 57.5/50

- sign -170.048+/-100.042 χ^2/NDF: 16.6/25



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 297.662+/-0.085 χ^2/NDF:1695722.7/8

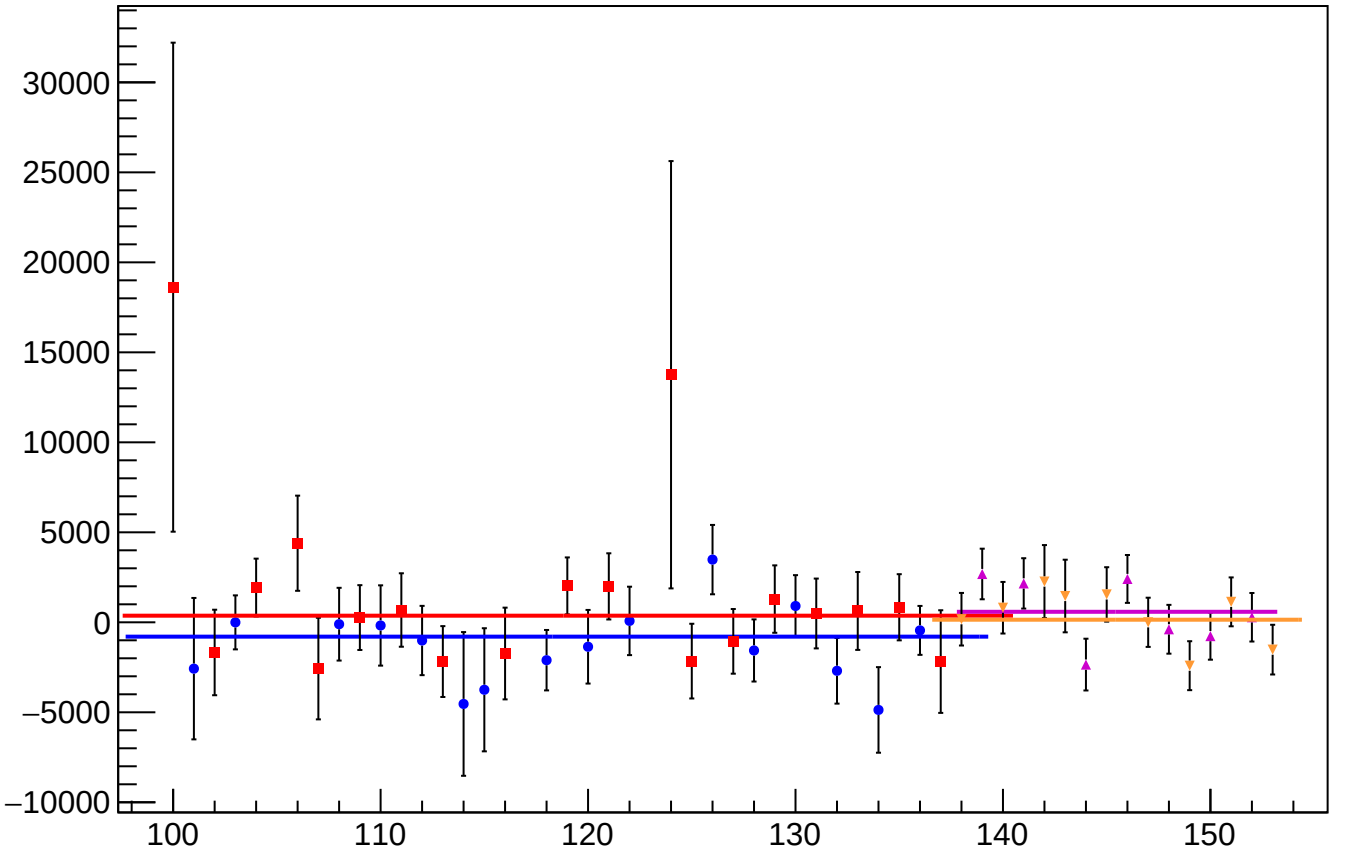
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

+ sign 324.464+/-0.069 χ^2/NDF: 6182545.1/24

All: 327.327+/-0.049 χ^2/NDF: 10729818.3/50

- sign 330.320+/-0.071 χ^2/NDF: 4543771.1/25



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 143.408+/-498.445 χ^2/NDF:8.1/8

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

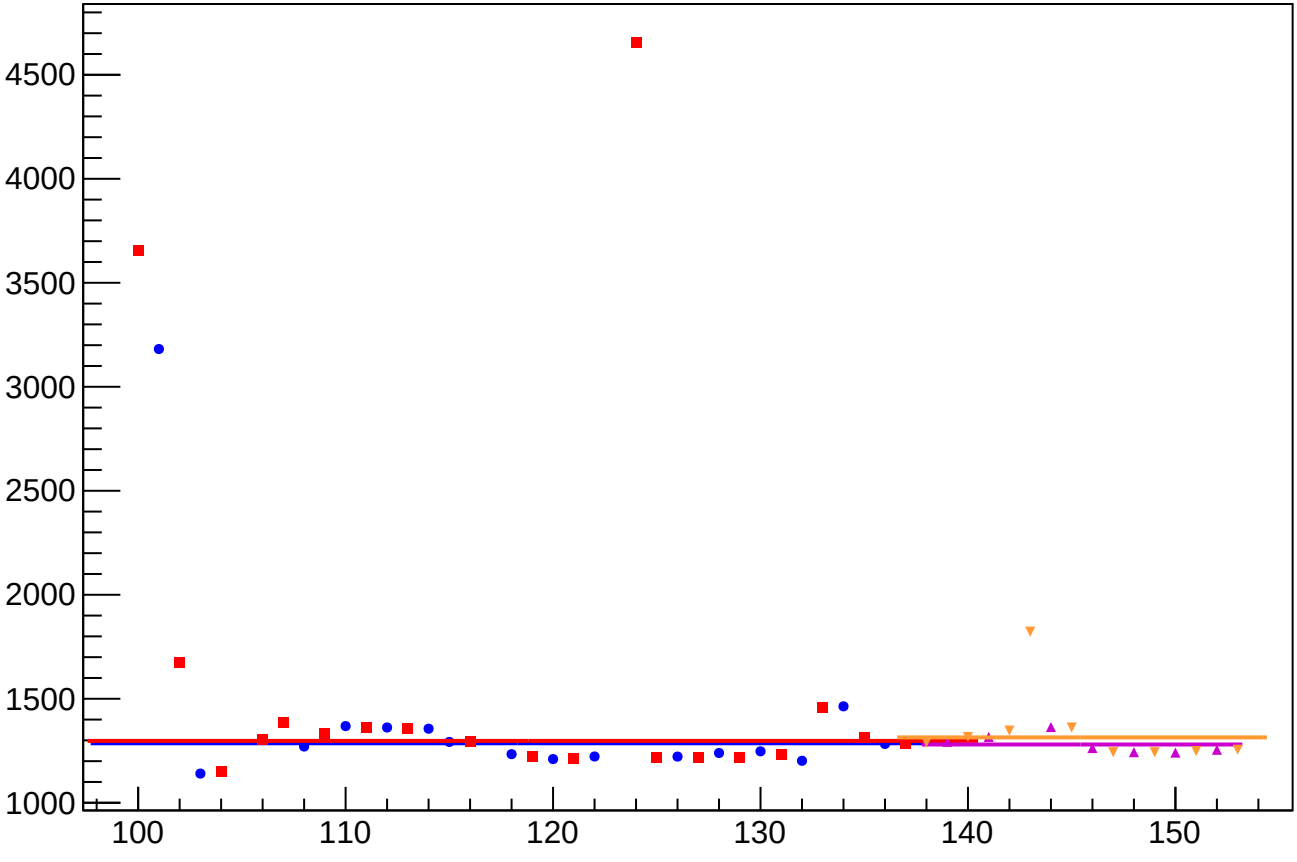
Left In: 583.580+/-516.914 χ^2/NDF:11.2/6

+ sign -337.219+/-348.503 χ^2/NDF: 23.4/24

All: 59.315+/-248.423 χ^2/NDF: 52.9/50

- sign 468.950+/-354.213 χ^2/NDF: 26.9/25

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

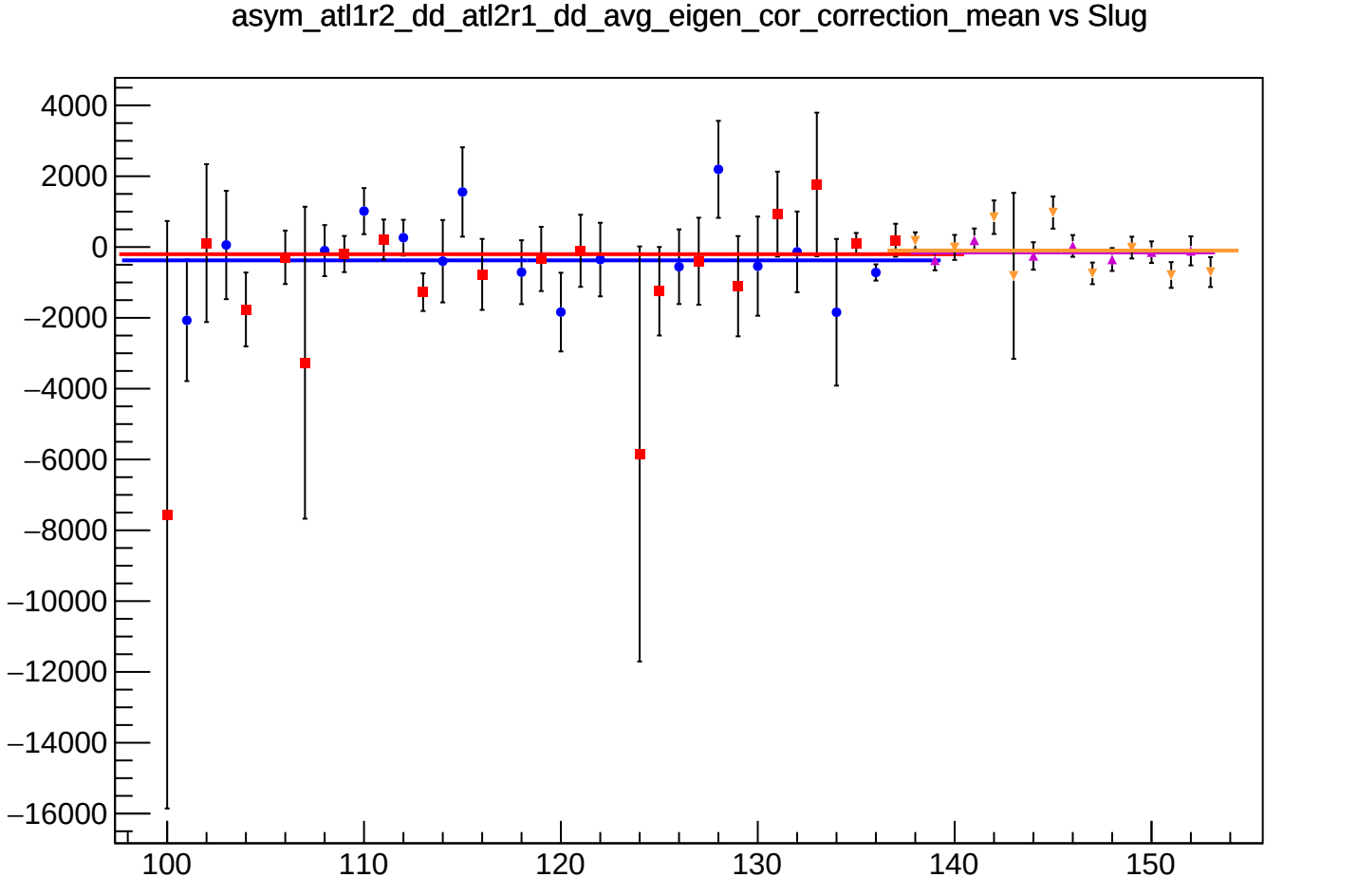
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

+ sign 1299.880+/-0.246 χ^2/NDF: 670656.3/24

All: 1294.661+/-0.176 χ^2/NDF: 1013133.6/50

- sign 1289.270+/-0.250 χ^2/NDF: 341565.6/25



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -98.680+/-120.287 χ^2/NDF:21.2/8

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

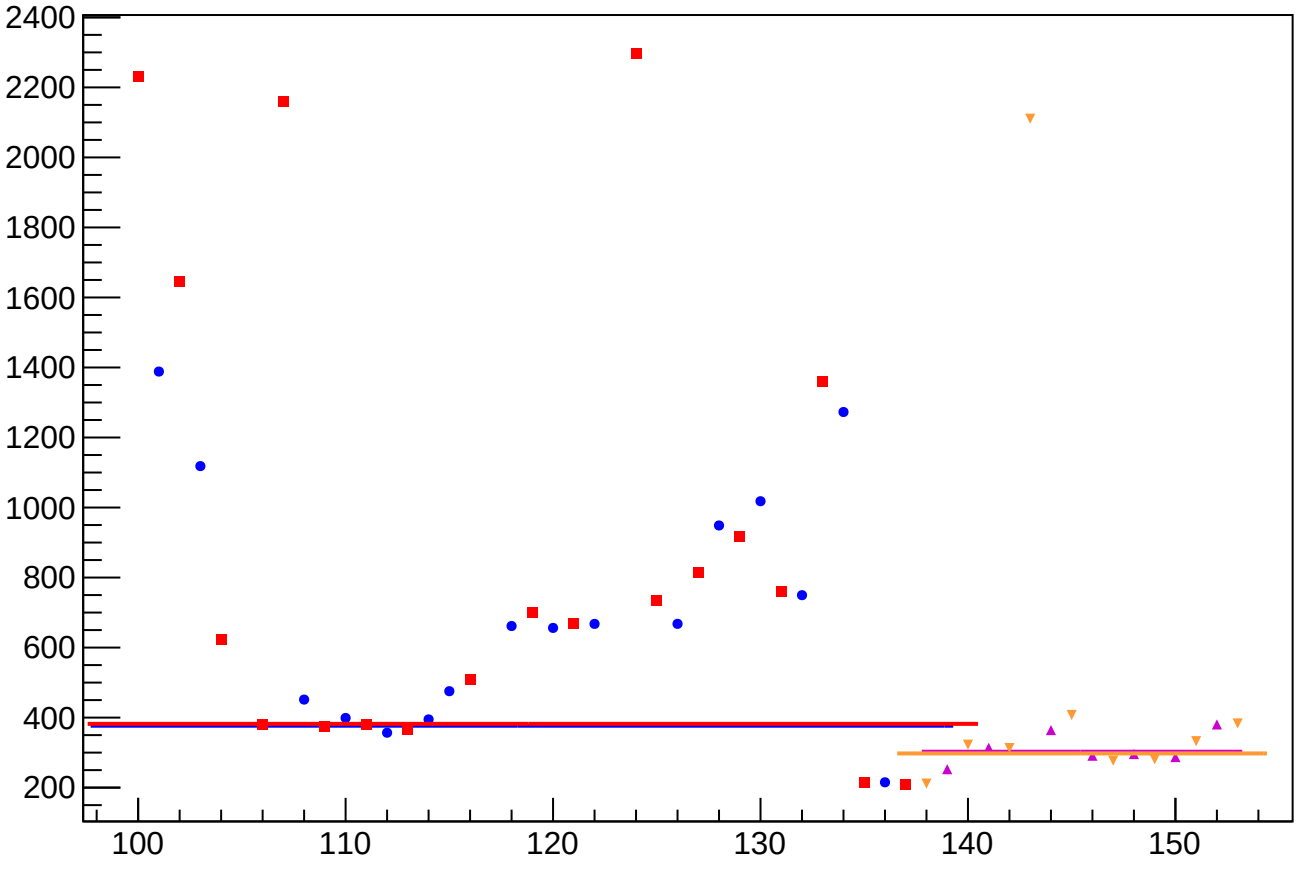
Left In: -152.851+/-123.978 χ^2/NDF:2.5/6

+ sign -192.762+/-97.847 χ^2/NDF: 40.9/24

All: -181.657+/-69.951 χ^2/NDF: 57.5/50

- sign -170.048+/-100.042 χ^2/NDF: 16.6/25

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 297.662+/-0.085 χ^2/NDF:1695722.7/8

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

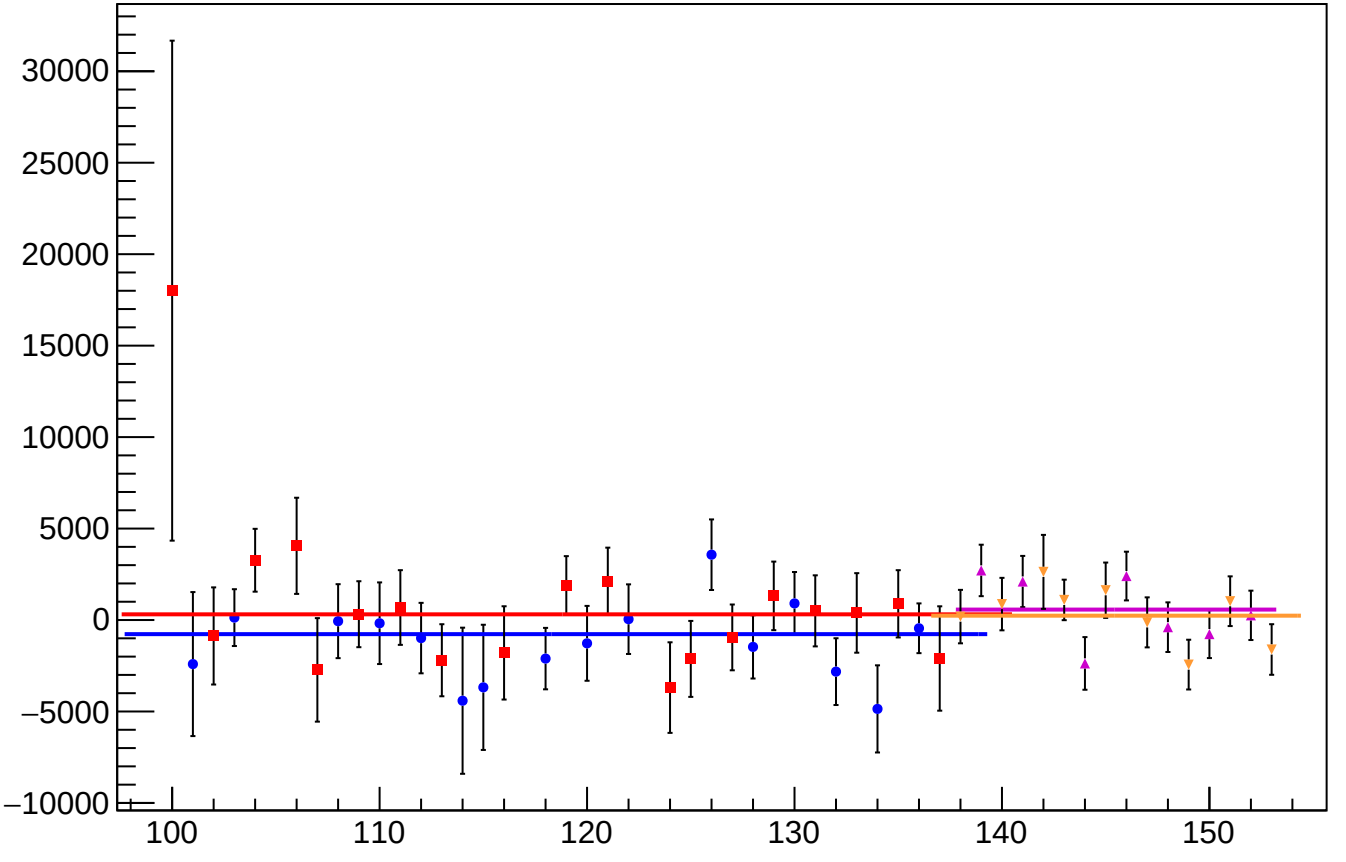
Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

+ sign 324.464+/-0.069 χ^2/NDF: 6182545.1/24

All: 327.327+/-0.049 χ^2/NDF: 10729818.3/50

- sign 330.320+/-0.071 χ^2/NDF: 4543771.1/25

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 237.944+/-466.678 χ^2/NDF:9.1/8

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

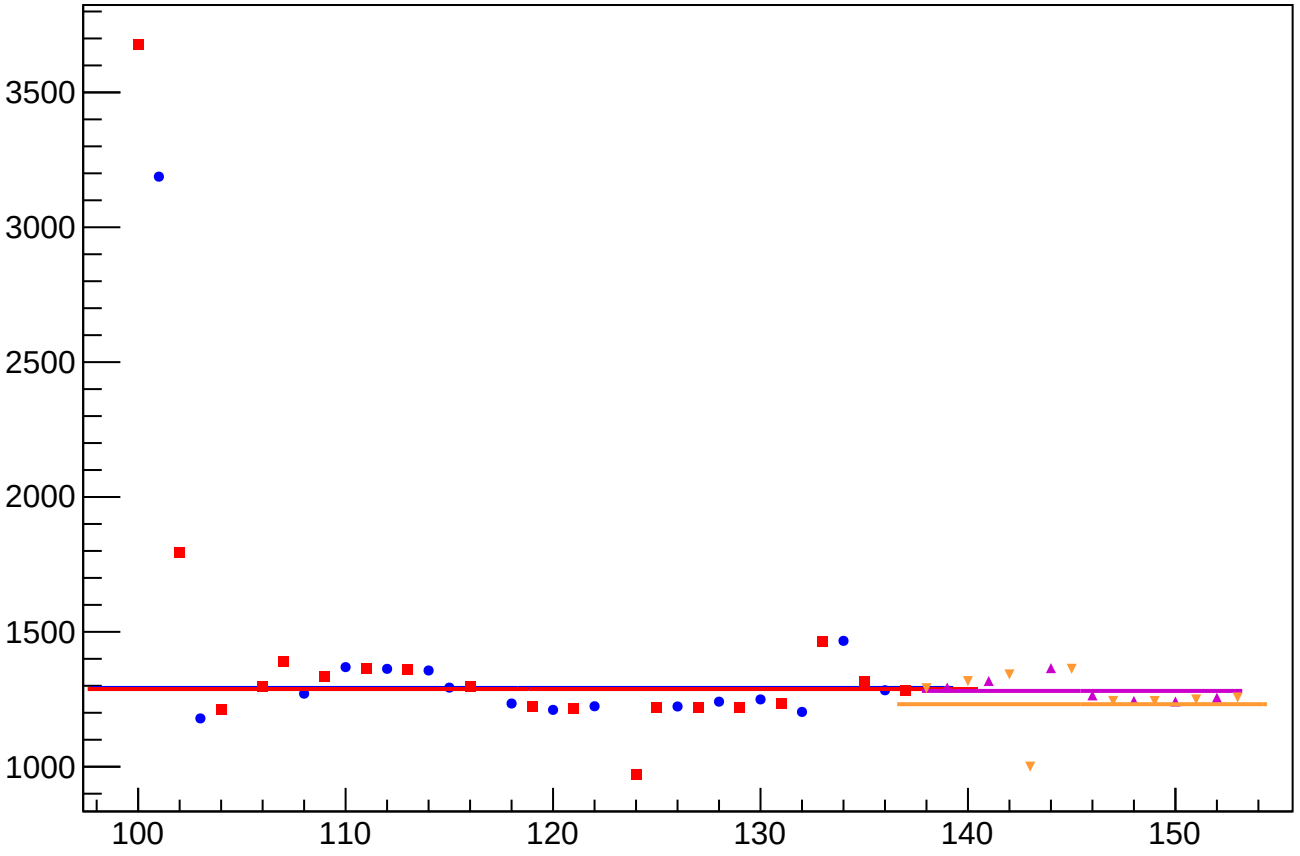
Left In: 571.168+/-517.296 χ^2/NDF:11.2/6

+ sign -242.592+/-337.805 χ^2/NDF: 24.9/24

All: 80.117+/-244.025 χ^2/NDF: 56.1/50

- sign 432.302+/-352.895 χ^2/NDF: 29.3/25

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1231.774+/-0.330 χ^2/NDF:120068.6/8

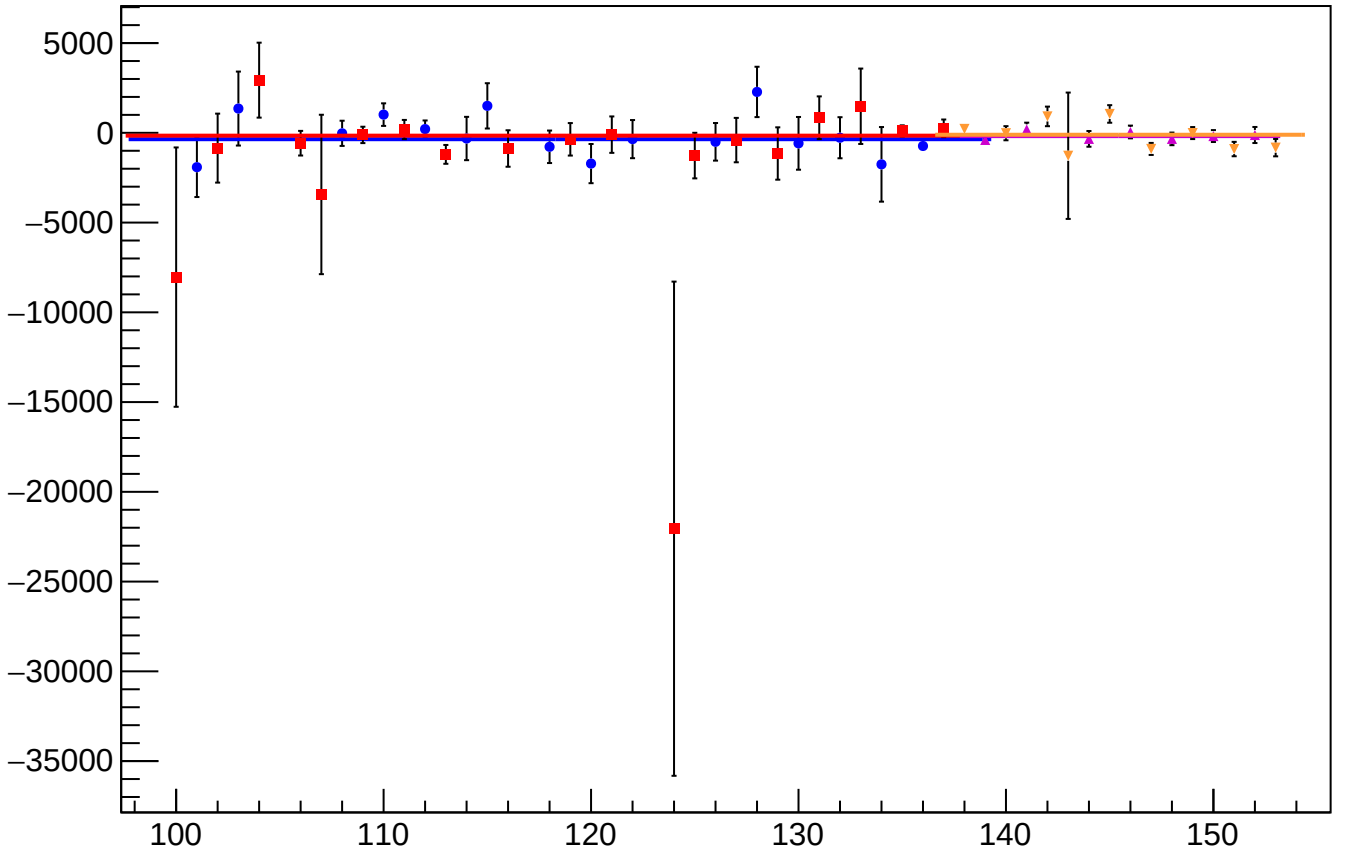
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1281.030+/-0.366 χ^2/NDF:12720.2/6

+ sign 1260.462+/-0.239 χ^2/NDF: 645351.3/24

All: 1272.076+/-0.173 χ^2/NDF: 872417.5/50

- sign 1284.750+/-0.250 χ^2/NDF: 222122.5/25



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -107.641+/-129.911 χ^2/NDF:22.9/8

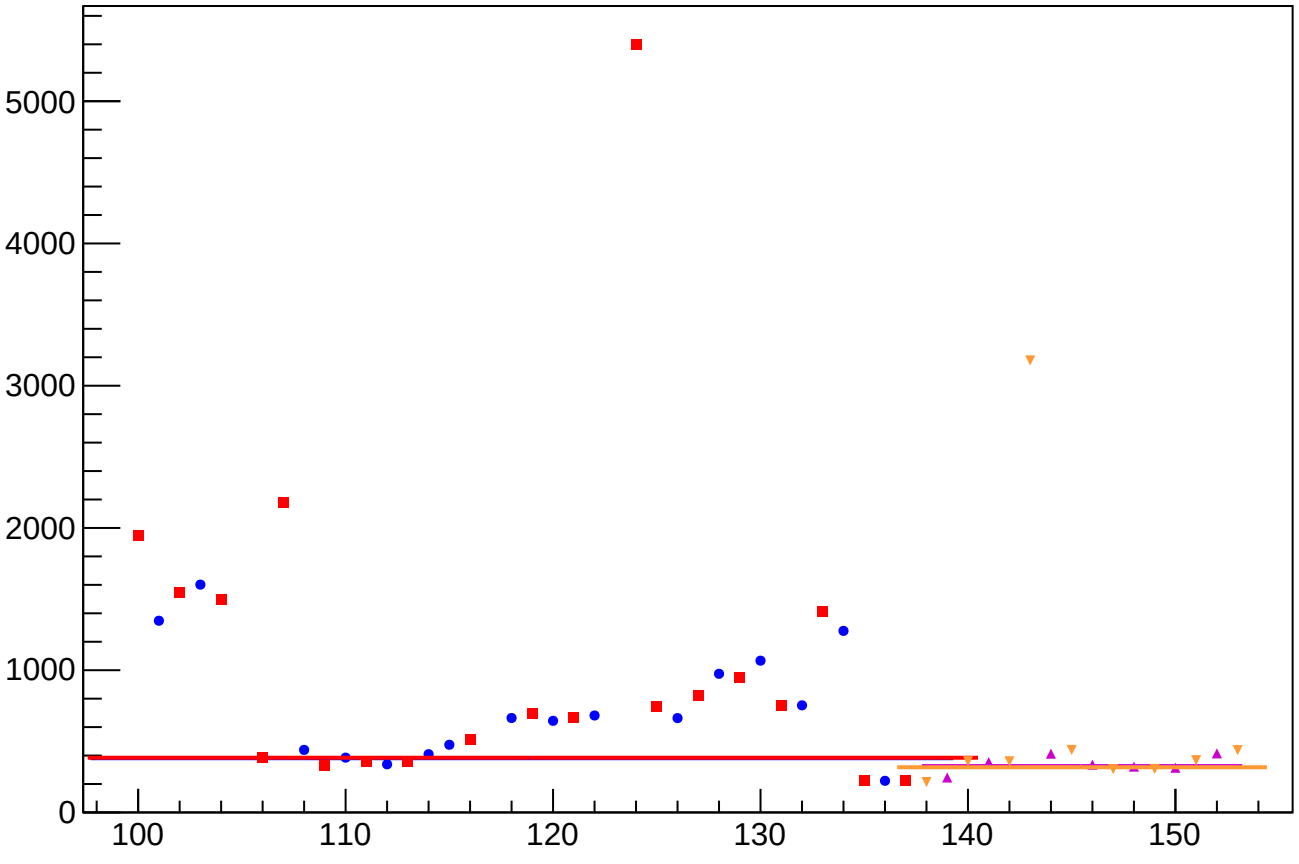
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -183.633+/-134.428 χ^2/NDF:2.3/6

+ sign -198.940+/-103.216 χ^2/NDF: 42.6/24

All: -186.589+/-73.732 χ^2/NDF: 60.8/50

- sign -173.718+/-105.364 χ^2/NDF: 18.2/25



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 317.738+/-0.092 χ^2/NDF:2004838.5/8

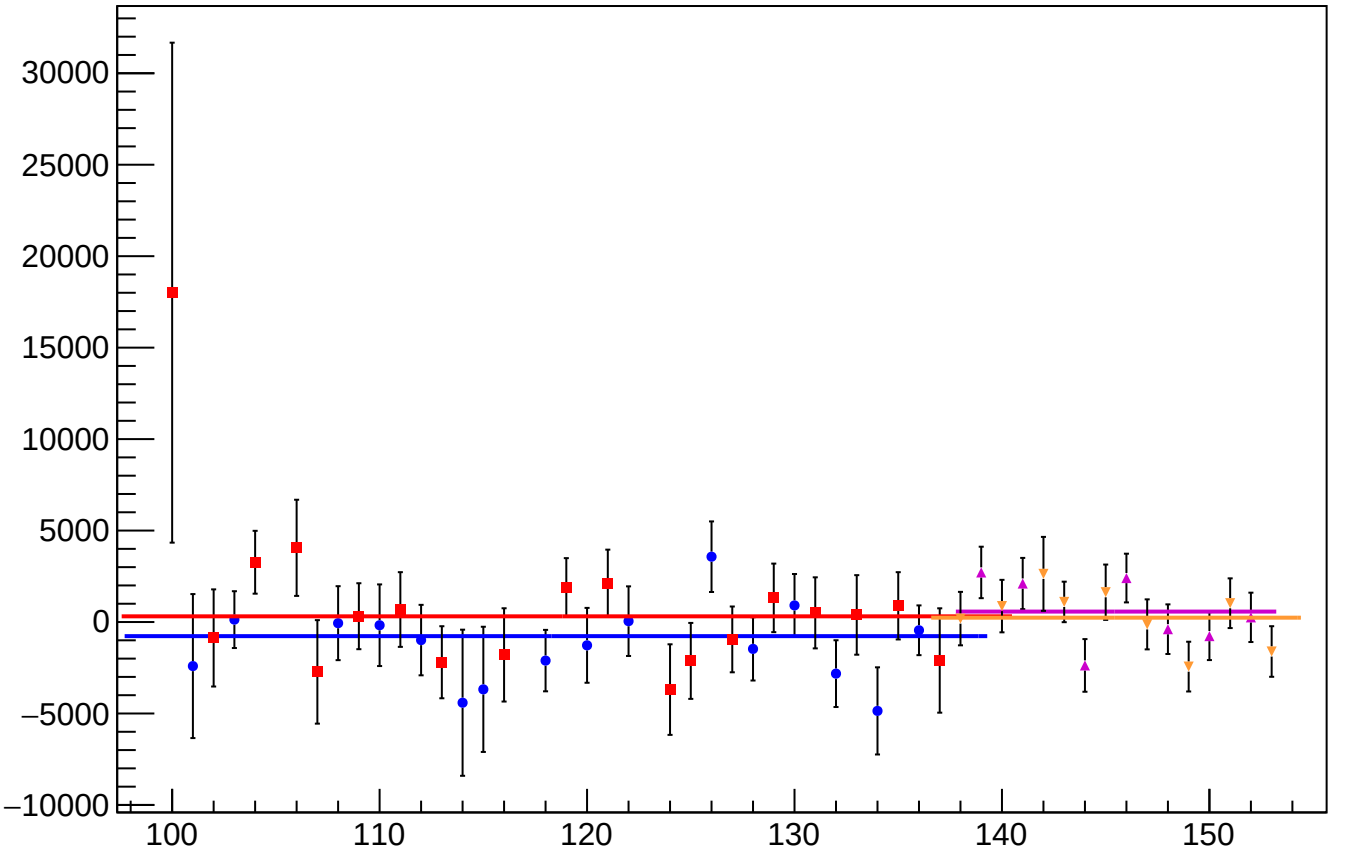
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 325.974+/-0.095 χ^2/NDF:341981.8/6

+ sign 341.195+/-0.073 χ^2/NDF: 6499587.1/24

All: 344.823+/-0.052 χ^2/NDF: 11553779.3/50

- sign 348.603+/-0.075 χ^2/NDF: 5049147.0/25



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 237.945+/-466.678 χ^2/NDF:9.1/8

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

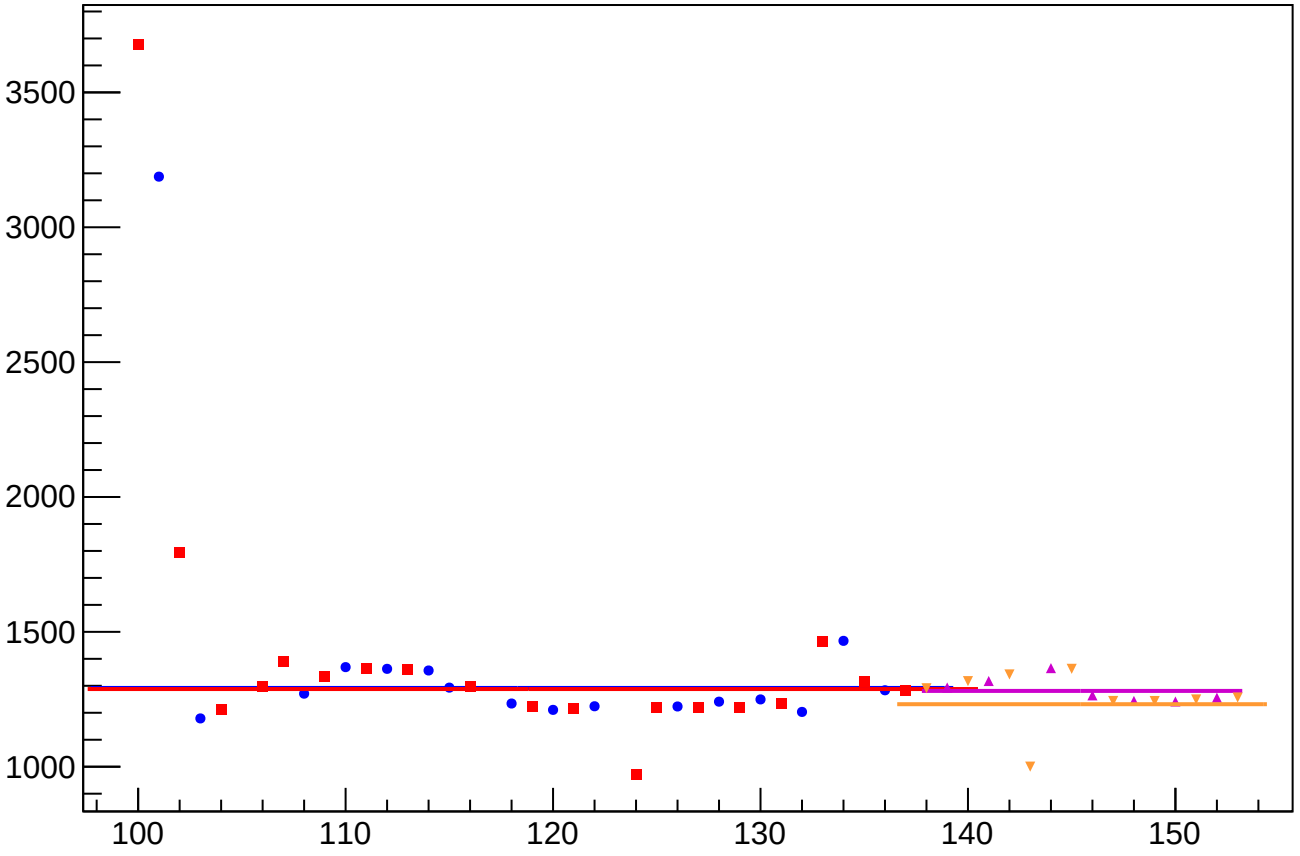
Left In: 571.165+/-517.296 χ^2/NDF:11.2/6

+ sign -242.593+/-337.805 χ^2/NDF: 24.9/24

All: 80.116+/-244.025 χ^2/NDF: 56.1/50

- sign 432.301+/-352.895 χ^2/NDF: 29.3/25

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1231.774+/-0.330 χ^2/NDF:120067.9/8

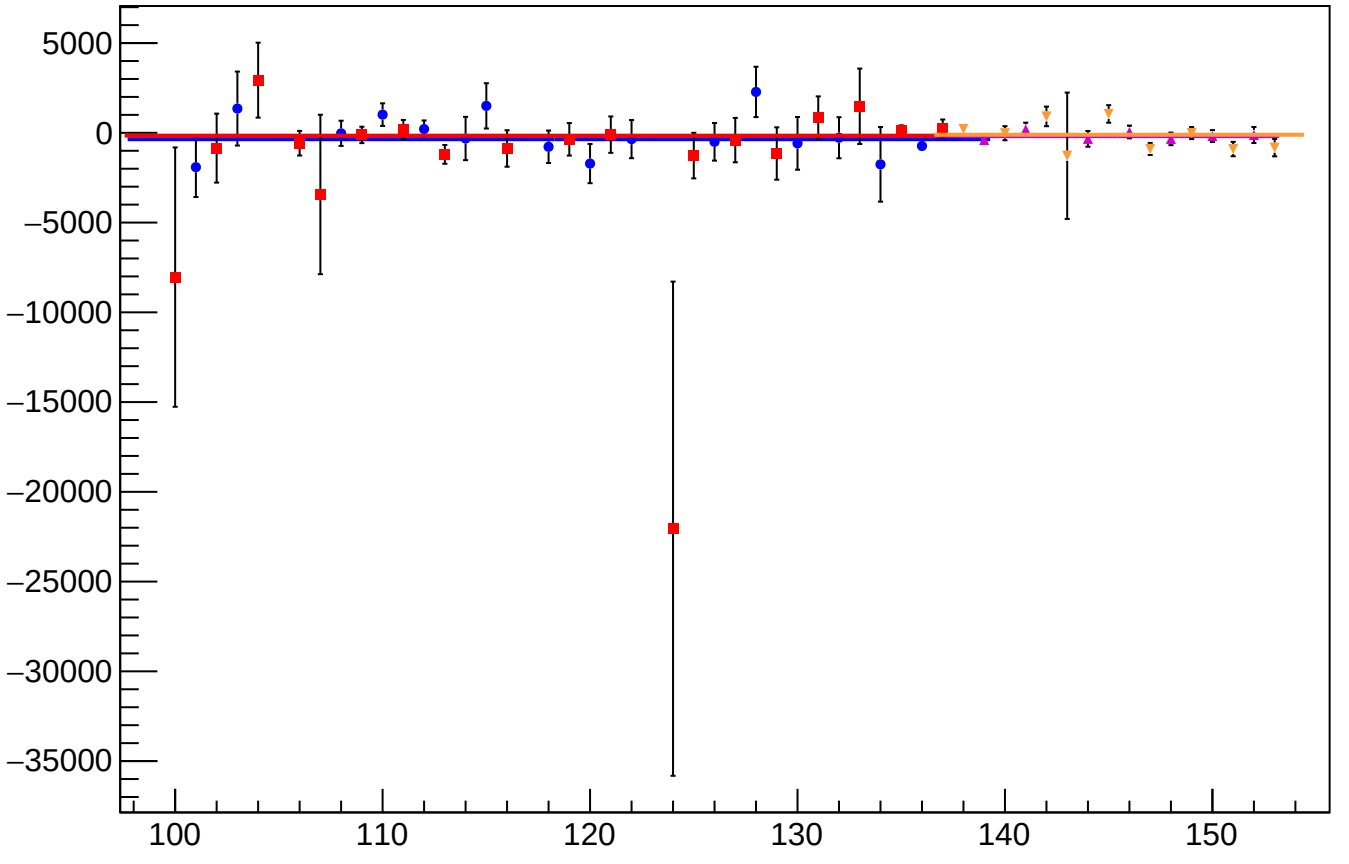
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1281.030+/-0.366 χ^2/NDF:12720.3/6

+ sign 1260.462+/-0.239 χ^2/NDF: 645350.4/24

All: 1272.076+/-0.173 χ^2/NDF: 872416.9/50

- sign 1284.750+/-0.250 χ^2/NDF: 222122.8/25



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -107.652+/-129.914 χ^2/NDF:22.9/8

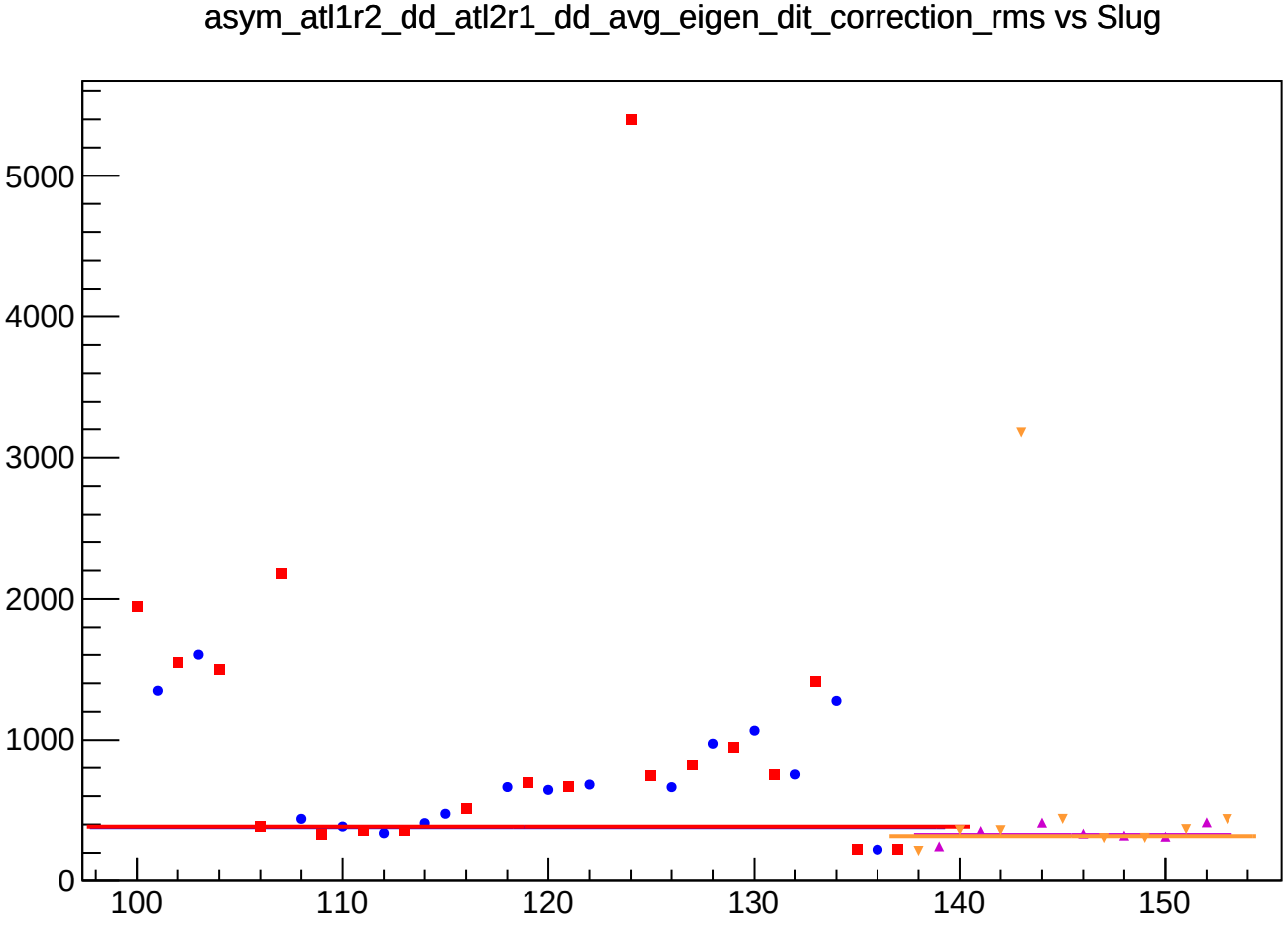
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -183.634+/-134.429 χ^2/NDF:2.3/6

+ sign -198.947+/-103.217 χ^2/NDF: 42.6/24

All: -186.594+/-73.733 χ^2/NDF: 60.8/50

- sign -173.721+/-105.365 χ^2/NDF: 18.2/25



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 317.745+/-0.092 χ^2/NDF:2004709.9/8

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

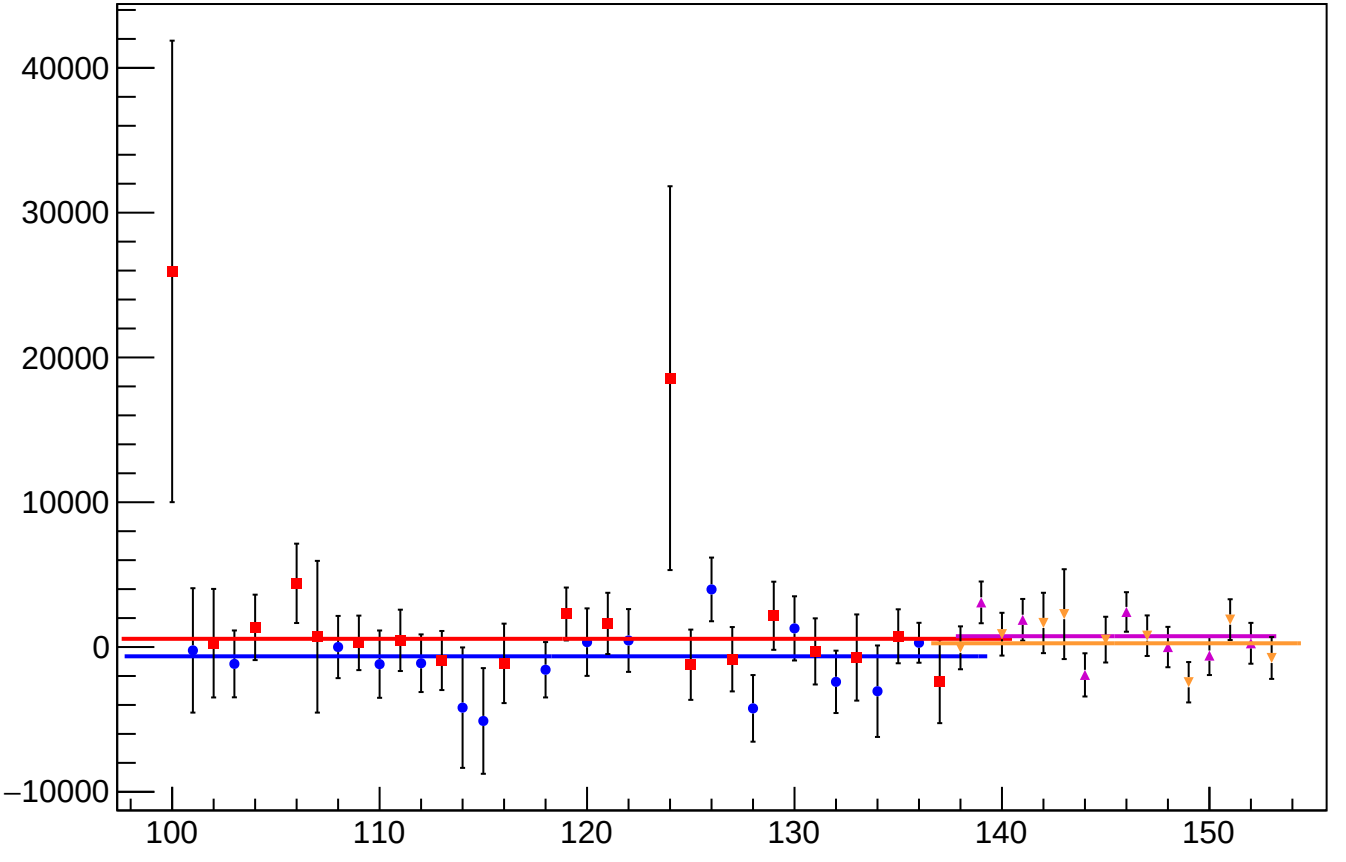
Left In: 325.979+/-0.095 χ^2/NDF:341907.6/6

+ sign 341.203+/-0.073 χ^2/NDF: 6499283.1/24

All: 344.830+/-0.052 χ^2/NDF: 11553267.7/50

- sign 348.609+/-0.075 χ^2/NDF: 5048942.3/25

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 258.777+/-523.086 χ^2/NDF:6.8/8

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

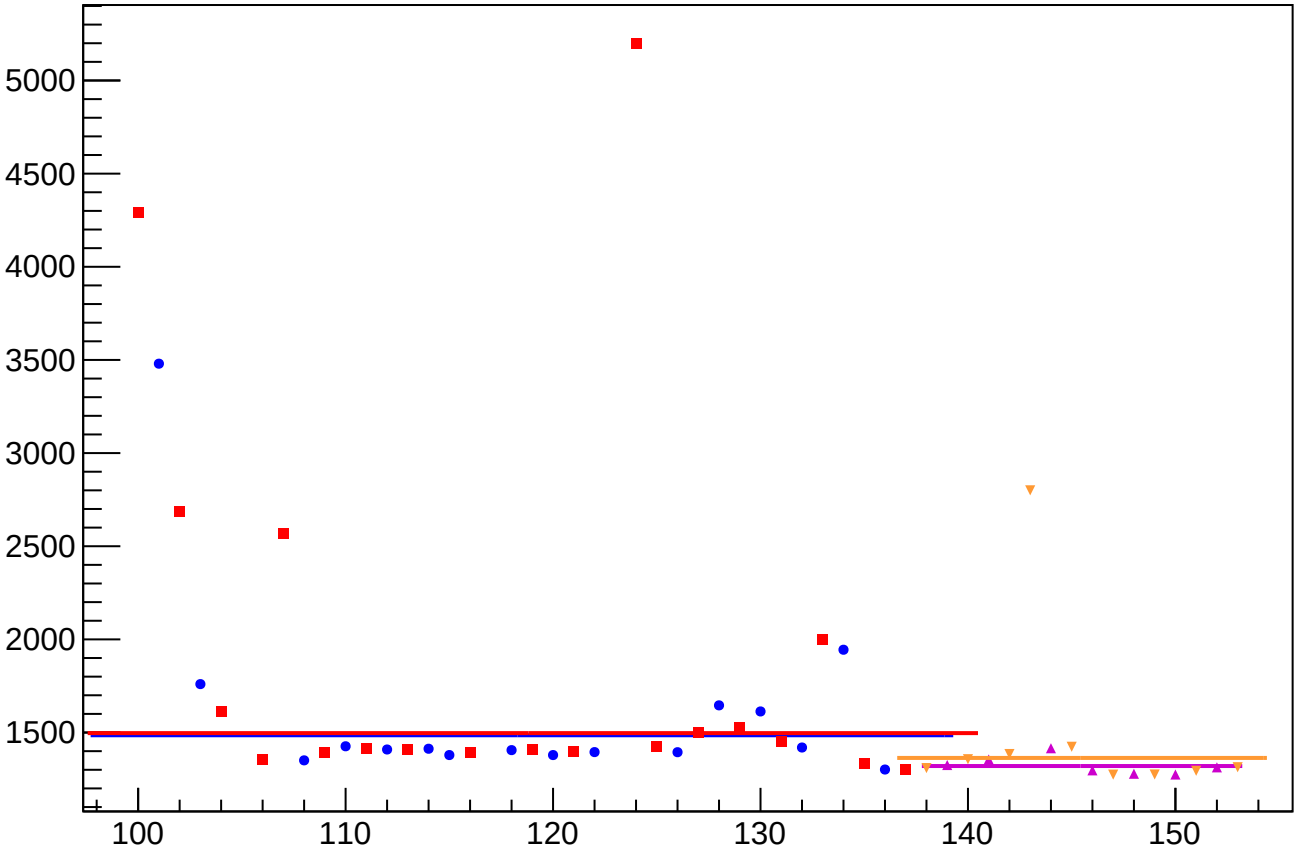
Left In: 747.382+/-533.169 χ^2/NDF:9.4/6

+ sign -156.923+/-383.642 χ^2/NDF: 20.7/24

All: 247.953+/-272.923 χ^2/NDF: 43.7/50

- sign 662.816+/-388.344 χ^2/NDF: 20.7/25

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1363.677+/-0.370 χ^2/NDF:457833.8/8

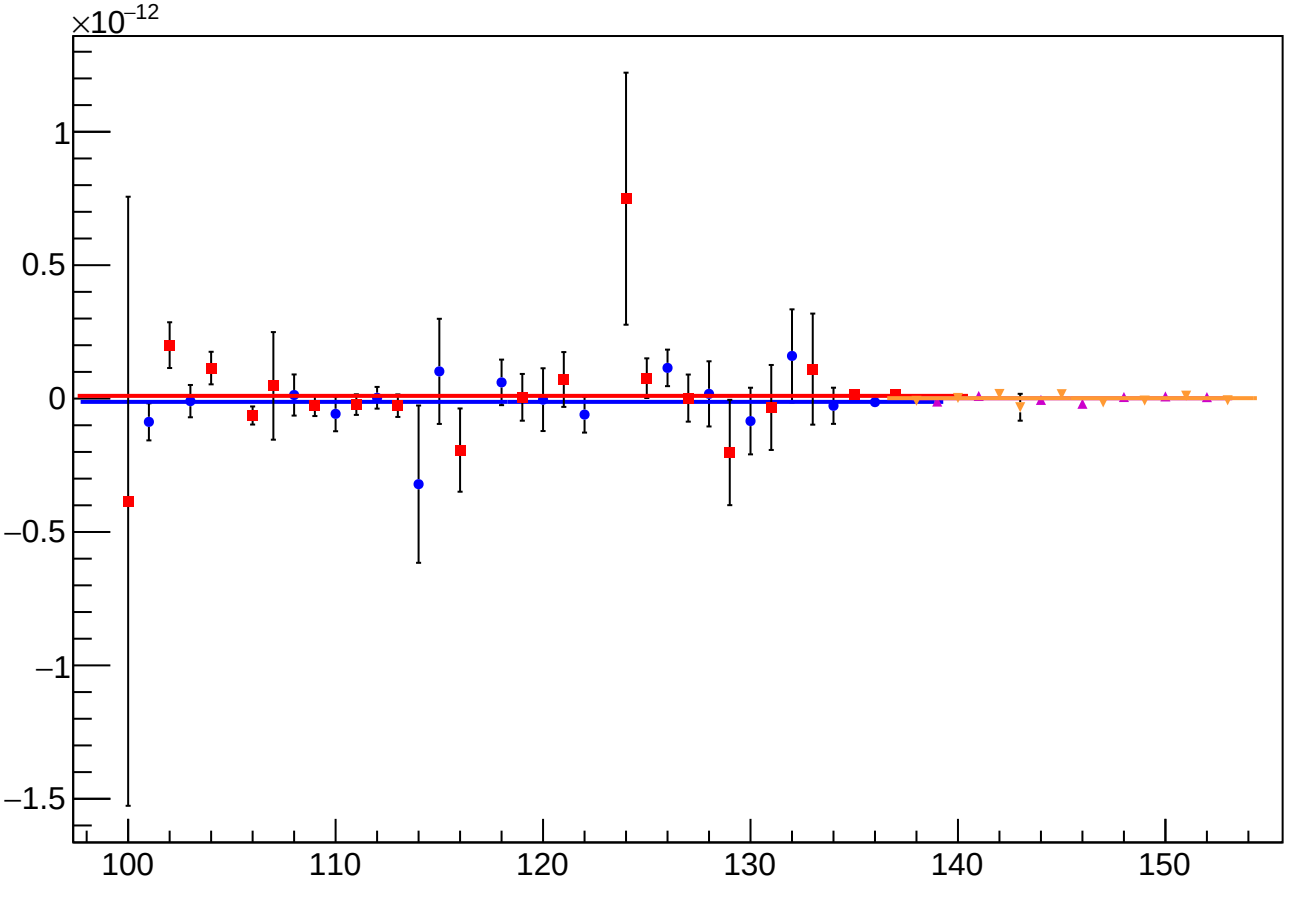
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1320.213+/-0.377 χ^2/NDF:14095.6/6

+ sign 1419.911+/-0.271 χ^2/NDF: 1092324.7/24

All: 1411.631+/-0.193 χ^2/NDF: 1834674.8/50

- sign 1403.147+/-0.275 χ^2/NDF: 740464.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/8

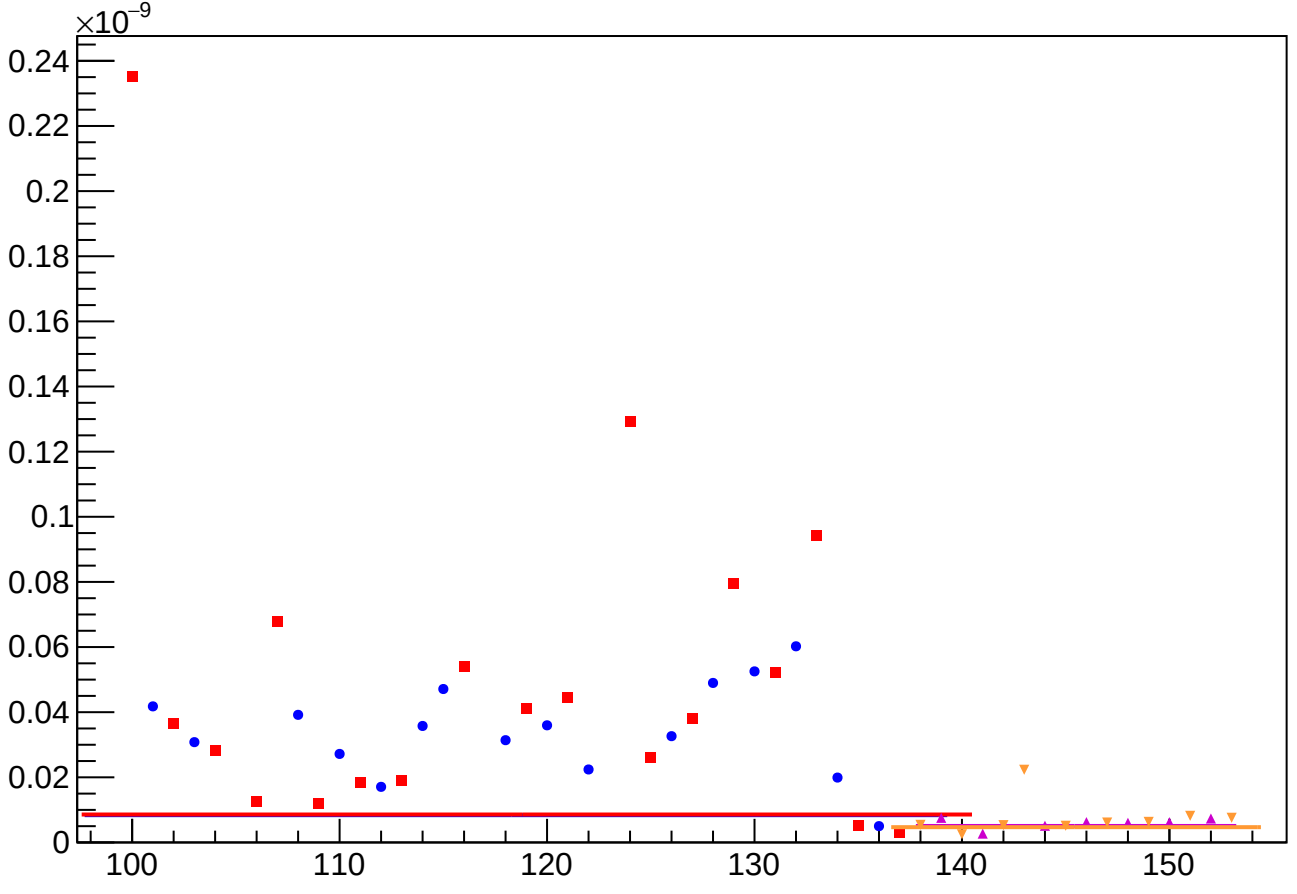
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.7/24

All: 0.000+/-0.000 χ^2/NDF: 55.5/50

- sign 0.000+/-0.000 χ^2/NDF: 32.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1015122.0/8

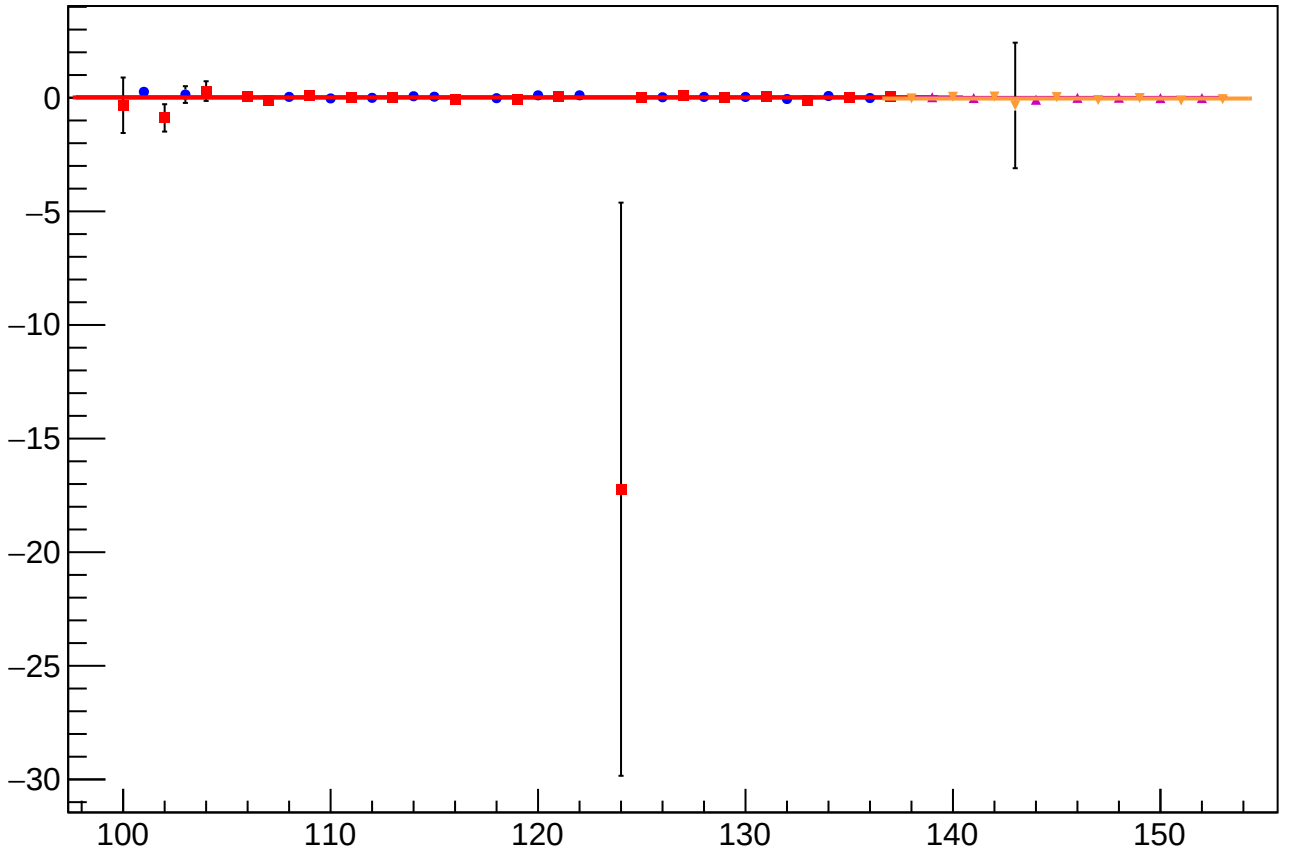
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:566513.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 4495290.6/24

All: 0.000+/-0.000 χ^2/NDF: 8751699.3/50

- sign 0.000+/-0.000 χ^2/NDF: 4242031.7/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.014 χ^2/NDF:15.2/8

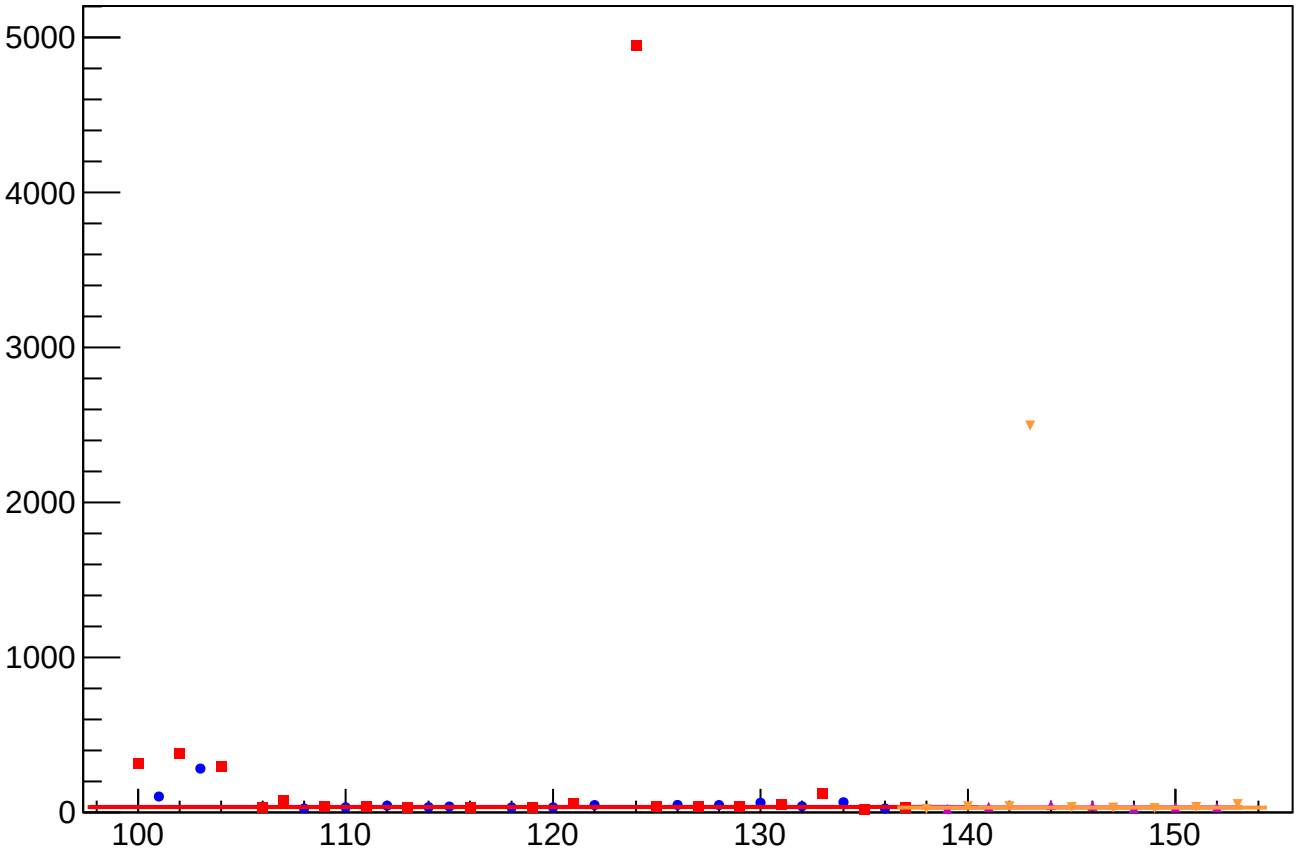
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.011+/-0.010 χ^2/NDF: 32.5/24

All: -0.004+/-0.007 χ^2/NDF: 53.9/50

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.564+/-0.010 χ^2/NDF:2214818.7/8

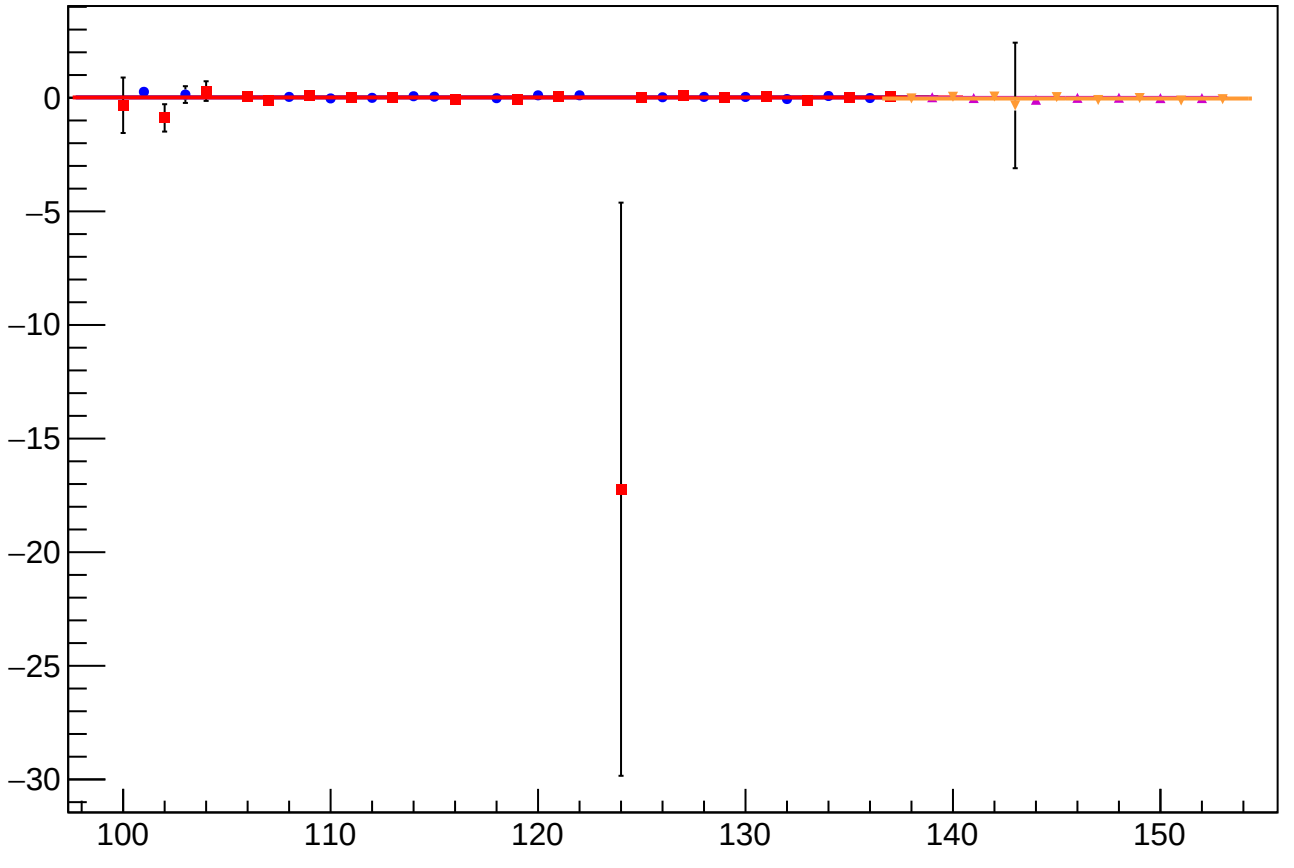
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

+ sign 33.445+/-0.007 χ^2/NDF: 4560054.5/24

All: 33.502+/-0.005 χ^2/NDF: 7978979.2/50

- sign 33.562+/-0.008 χ^2/NDF: 3418799.3/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.014 χ^2/NDF:15.2/8

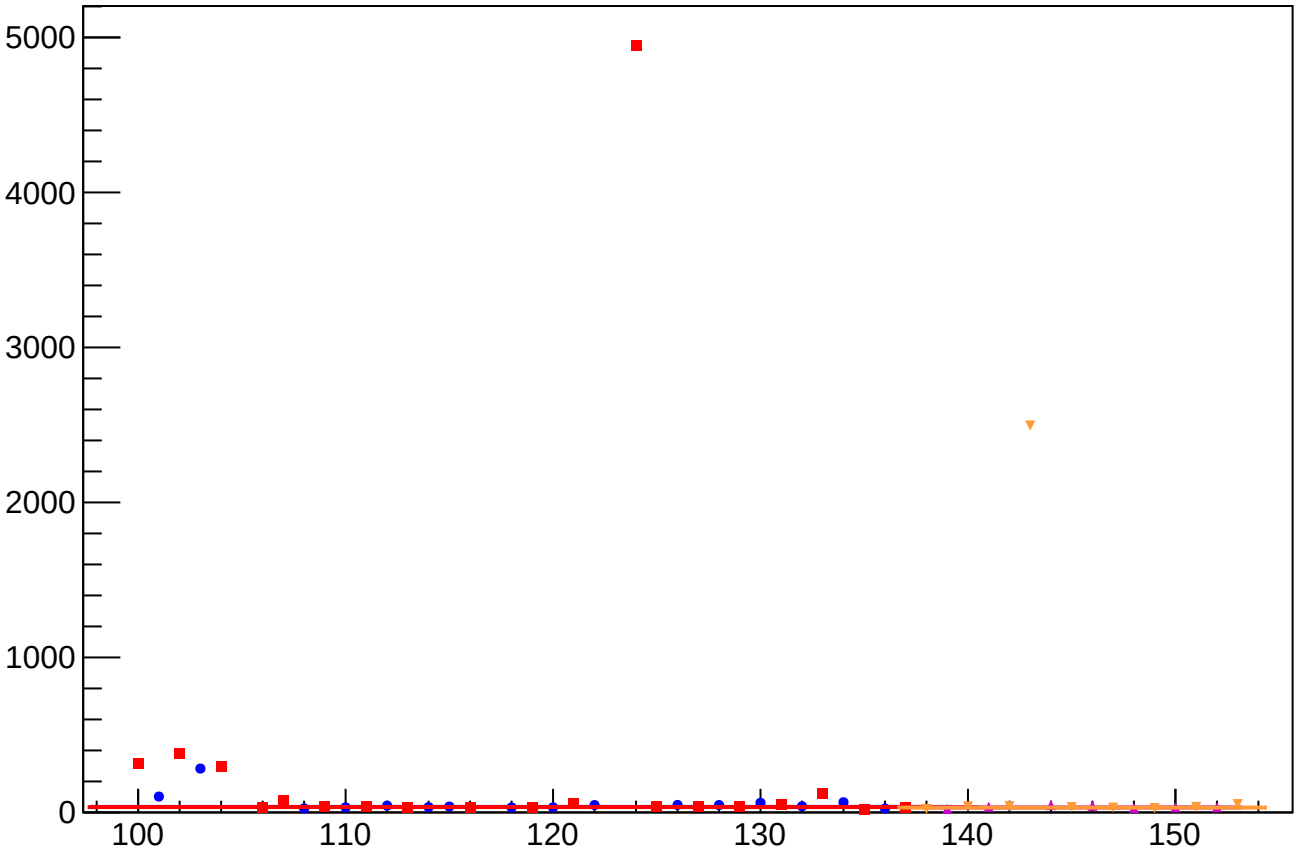
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.011+/-0.010 χ^2/NDF: 32.5/24

All: -0.004+/-0.007 χ^2/NDF: 53.9/50

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.564+/-0.010 χ^2/NDF:2214818.7/8

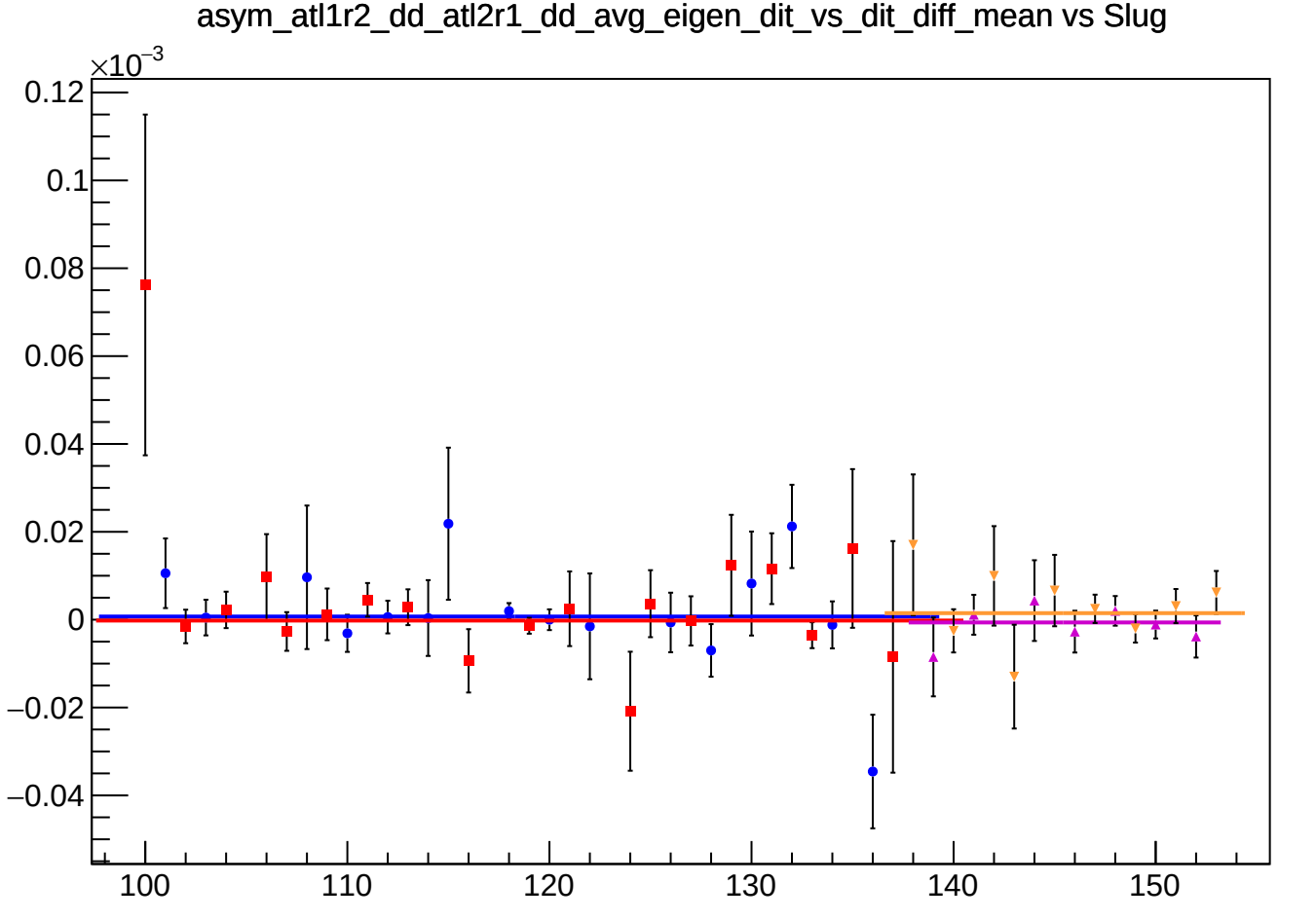
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

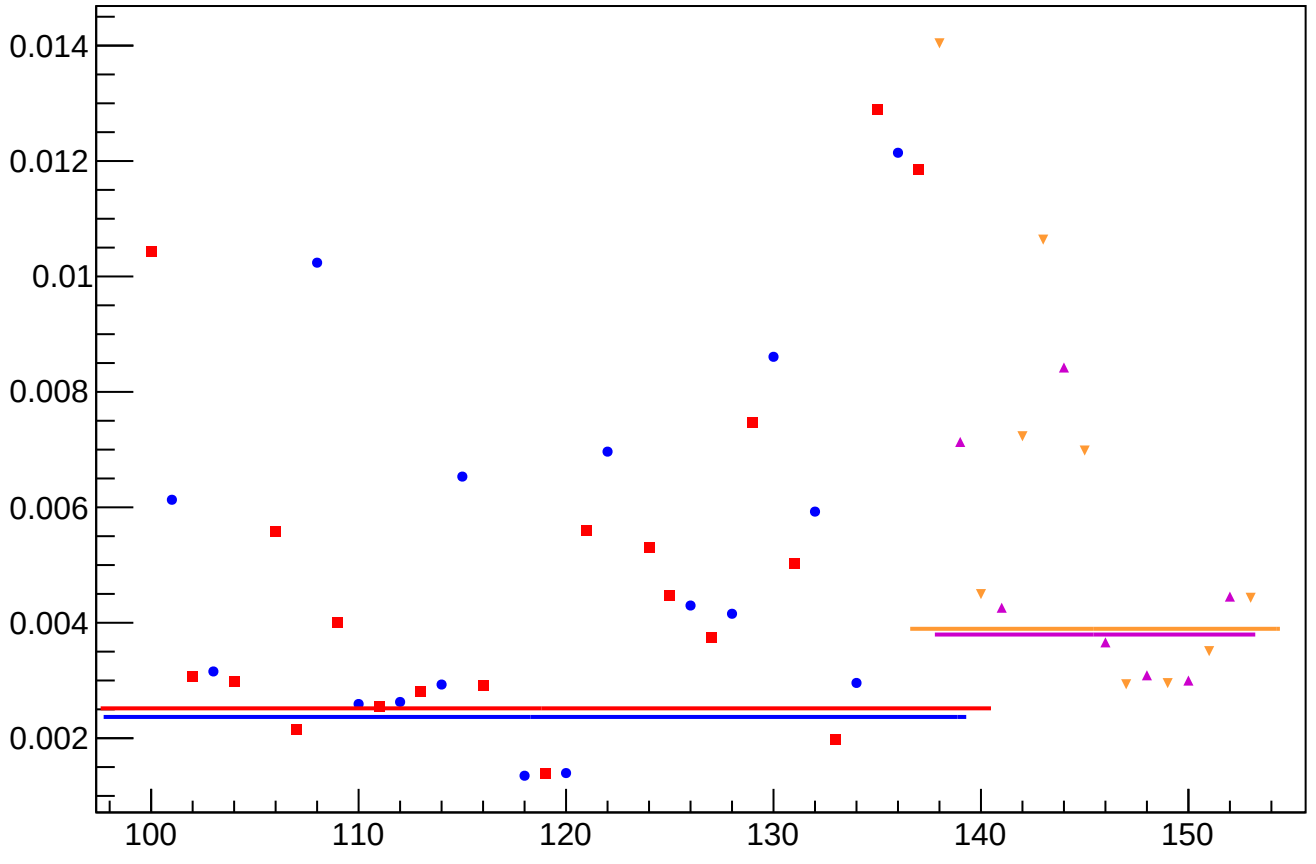
Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

+ sign 33.445+/-0.007 χ^2/NDF: 4560054.5/24

All: 33.502+/-0.005 χ^2/NDF: 7978979.2/50

- sign 33.562+/-0.008 χ^2/NDF: 3418799.3/25


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:6.4/8
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: -0.000+/-0.000 χ²/NDF:2.5/6
+ sign 0.000+/-0.000 χ²/NDF: 25.7/24
All: 0.000+/-0.000 χ²/NDF: 47.3/50
- sign -0.000+/-0.000 χ²/NDF: 20.6/25



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2335705.8/8

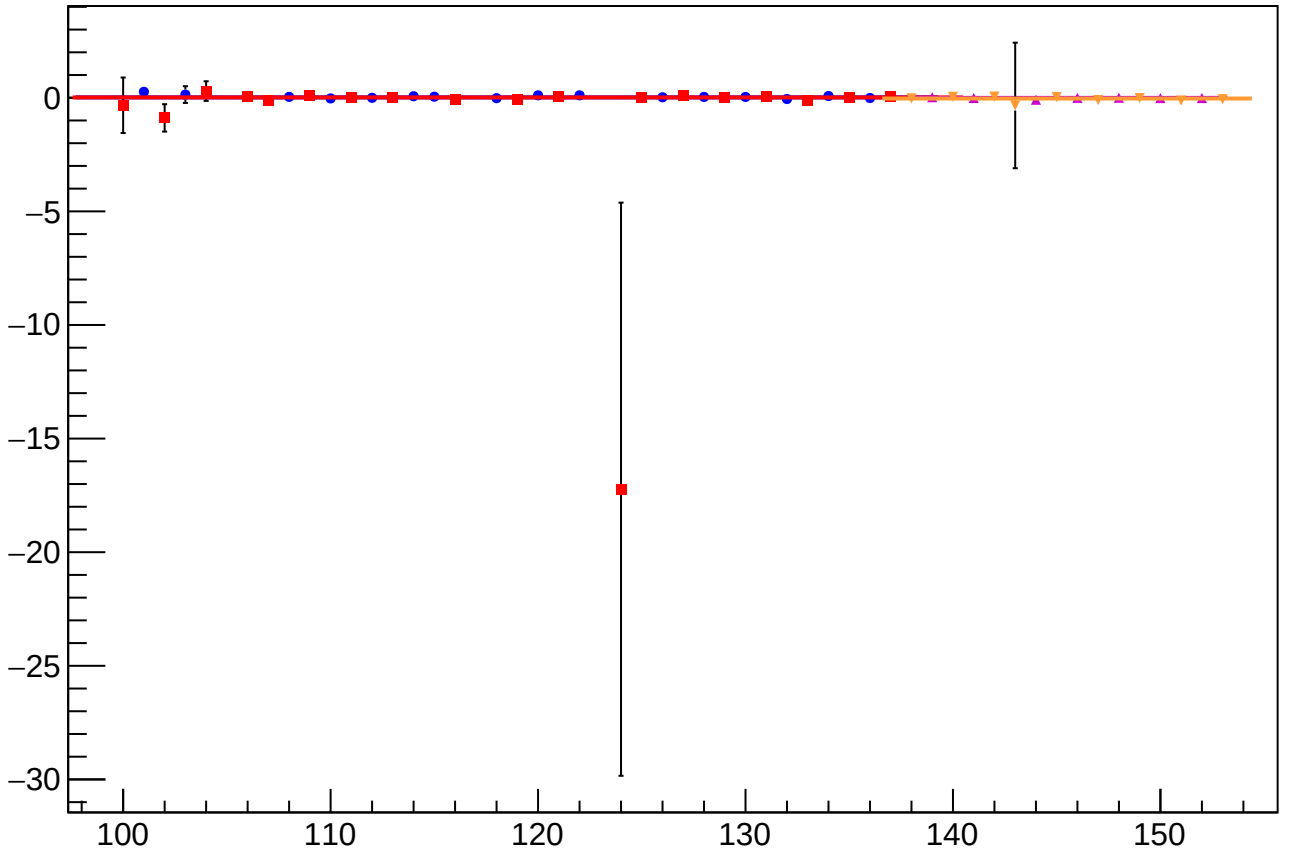
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1057970.7/6

+ sign 0.003+/-0.000 χ^2/NDF: 8256649.0/24

All: 0.003+/-0.000 χ^2/NDF: 13528920.9/50

- sign 0.003+/-0.000 χ^2/NDF: 5271188.7/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.014 χ^2/NDF:15.2/8

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

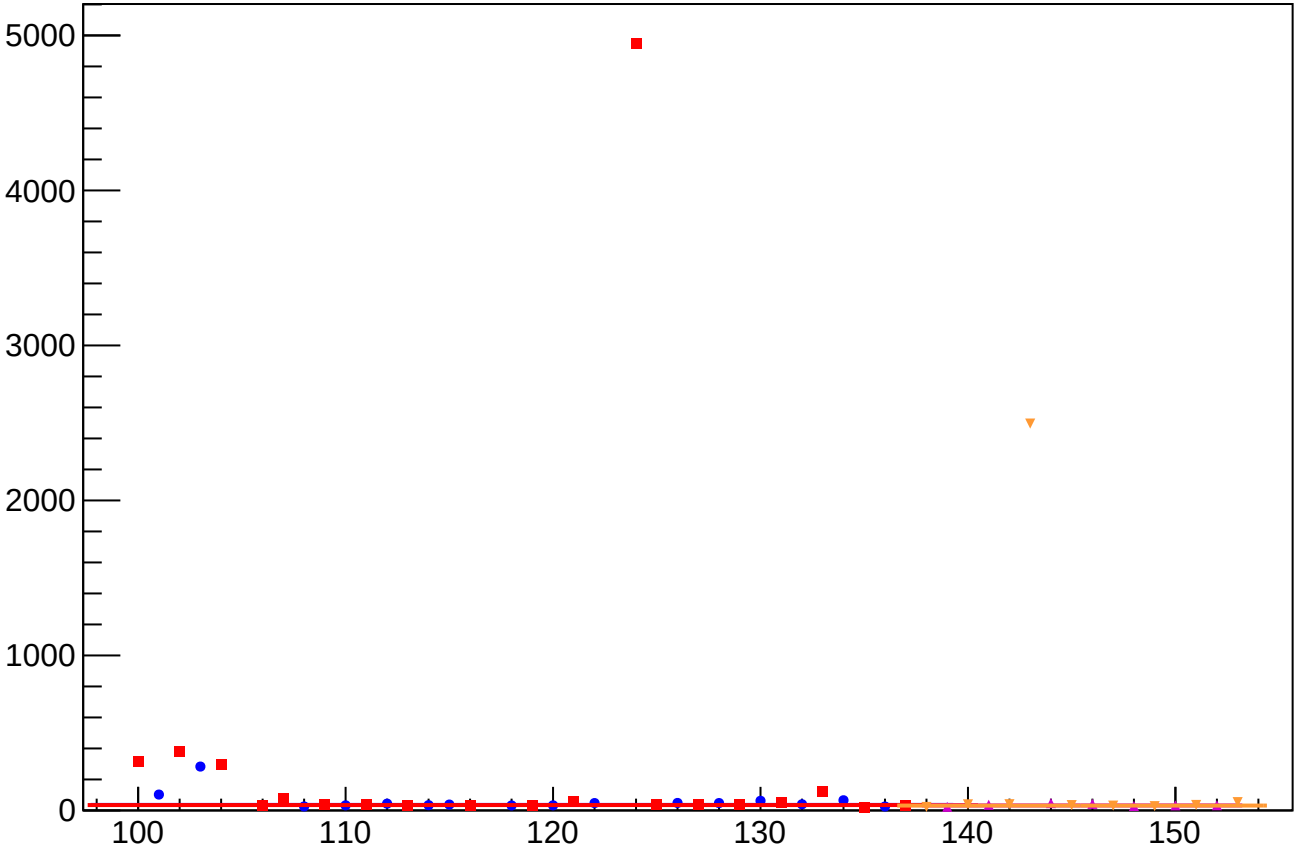
Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.011+/-0.010 χ^2/NDF: 32.5/24

All: -0.004+/-0.007 χ^2/NDF: 53.9/50

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.563+/-0.010 χ^2/NDF:2215074.9/8

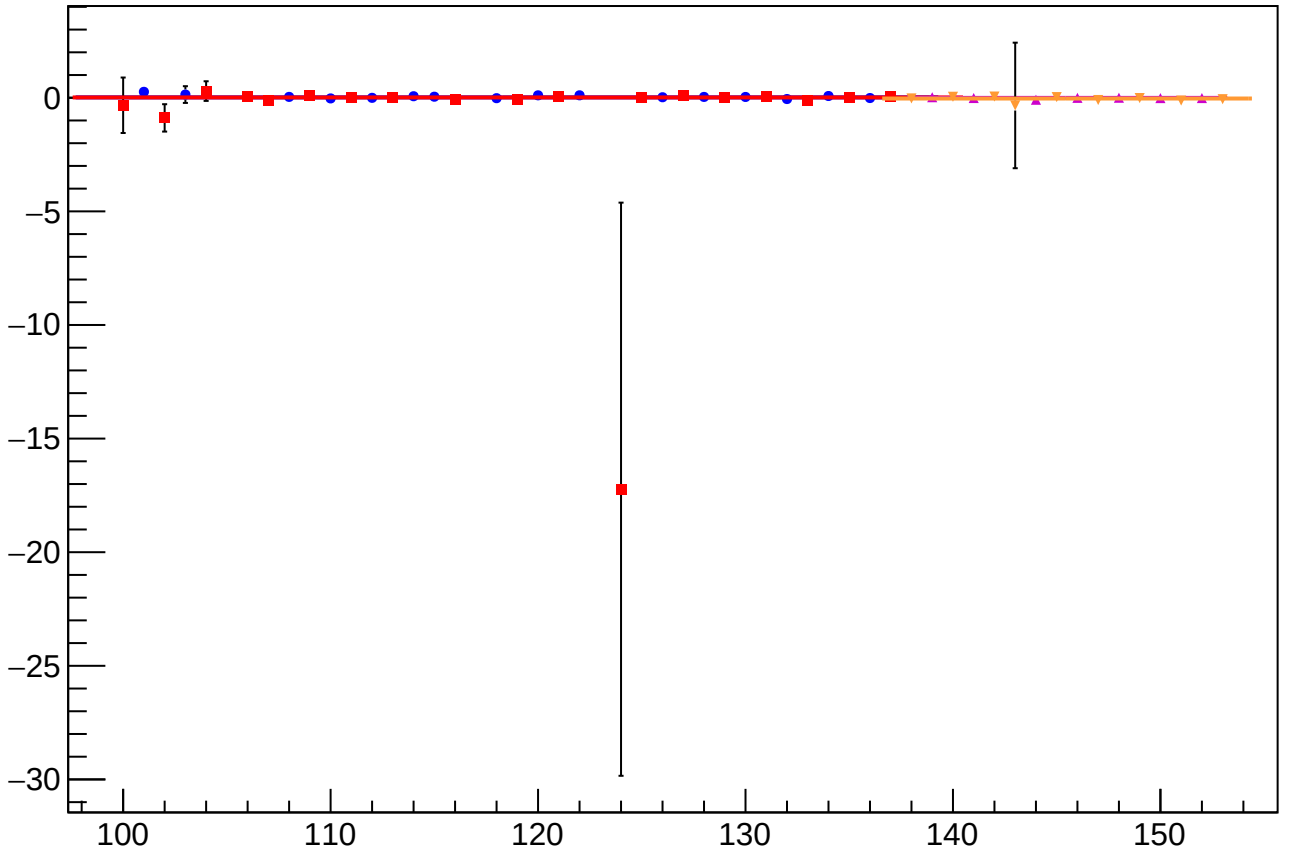
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

+ sign 33.445+/-0.007 χ^2/NDF: 4560096.2/24

All: 33.502+/-0.005 χ^2/NDF: 7979239.8/50

- sign 33.562+/-0.008 χ^2/NDF: 3419021.0/25



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.034+/-0.014 χ^2/NDF:15.2/8

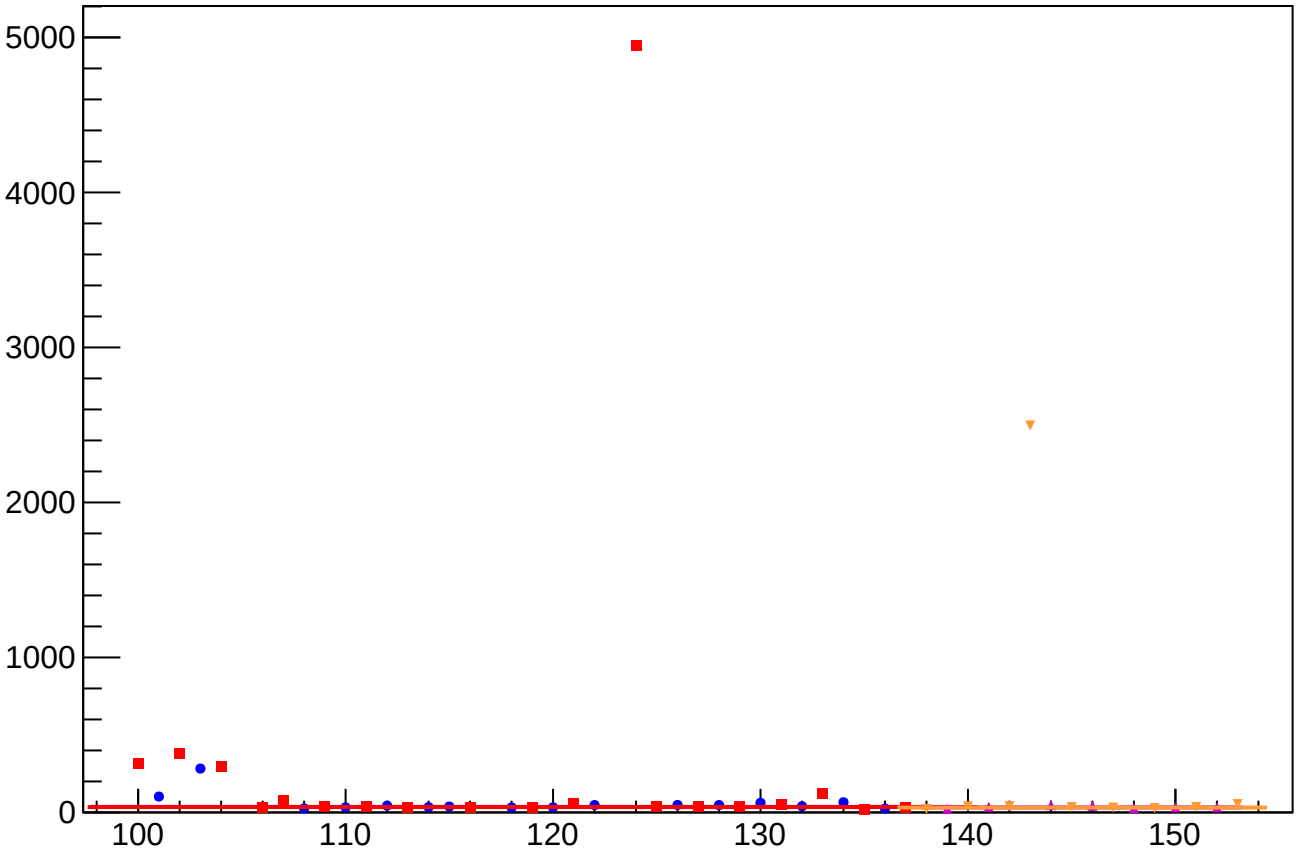
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.015 χ^2/NDF:3.6/6

+ sign -0.011+/-0.010 χ^2/NDF: 32.5/24

All: -0.004+/-0.007 χ^2/NDF: 53.9/50

- sign 0.003+/-0.011 χ^2/NDF: 20.5/25



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.563+/-0.010 χ^2/NDF:2215074.9/8

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

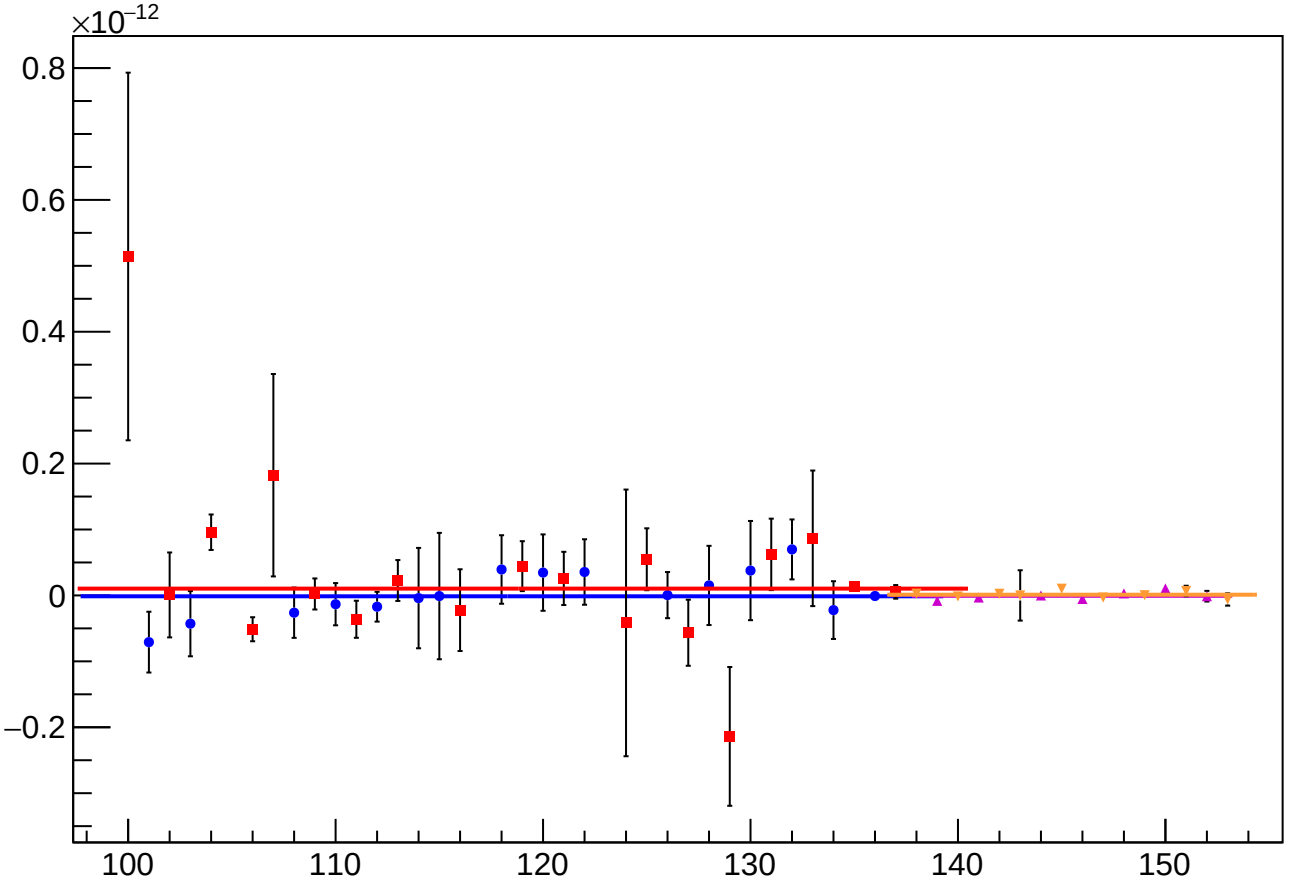
Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

+ sign 33.445+/-0.007 χ^2/NDF: 4560096.2/24

All: 33.502+/-0.005 χ^2/NDF: 7979239.8/50

- sign 33.562+/-0.008 χ^2/NDF: 3419021.0/25

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/8

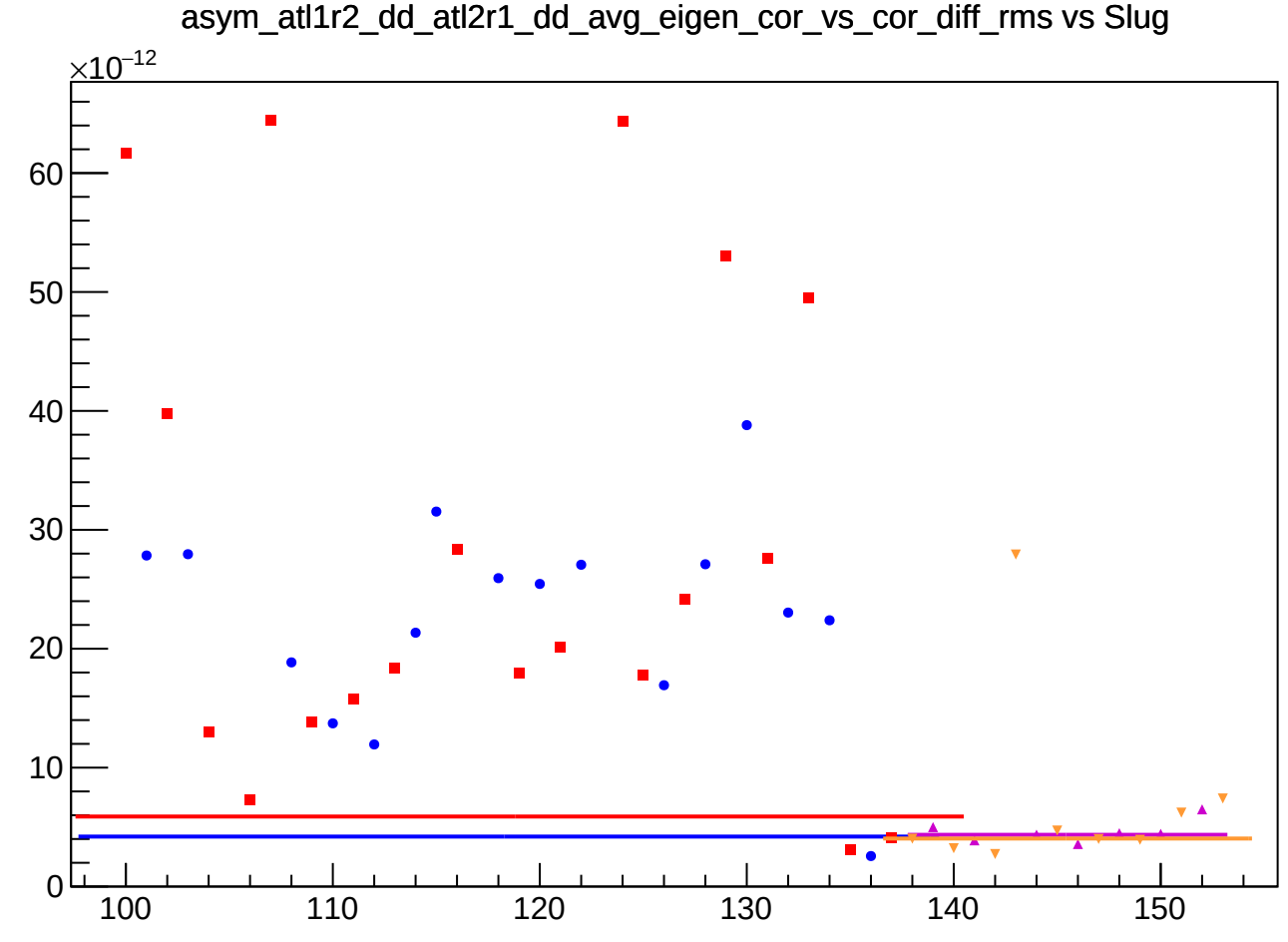
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 13.3/24

All: 0.000+/-0.000 χ^2/NDF: 66.1/50

- sign 0.000+/-0.000 χ^2/NDF: 52.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1425255.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

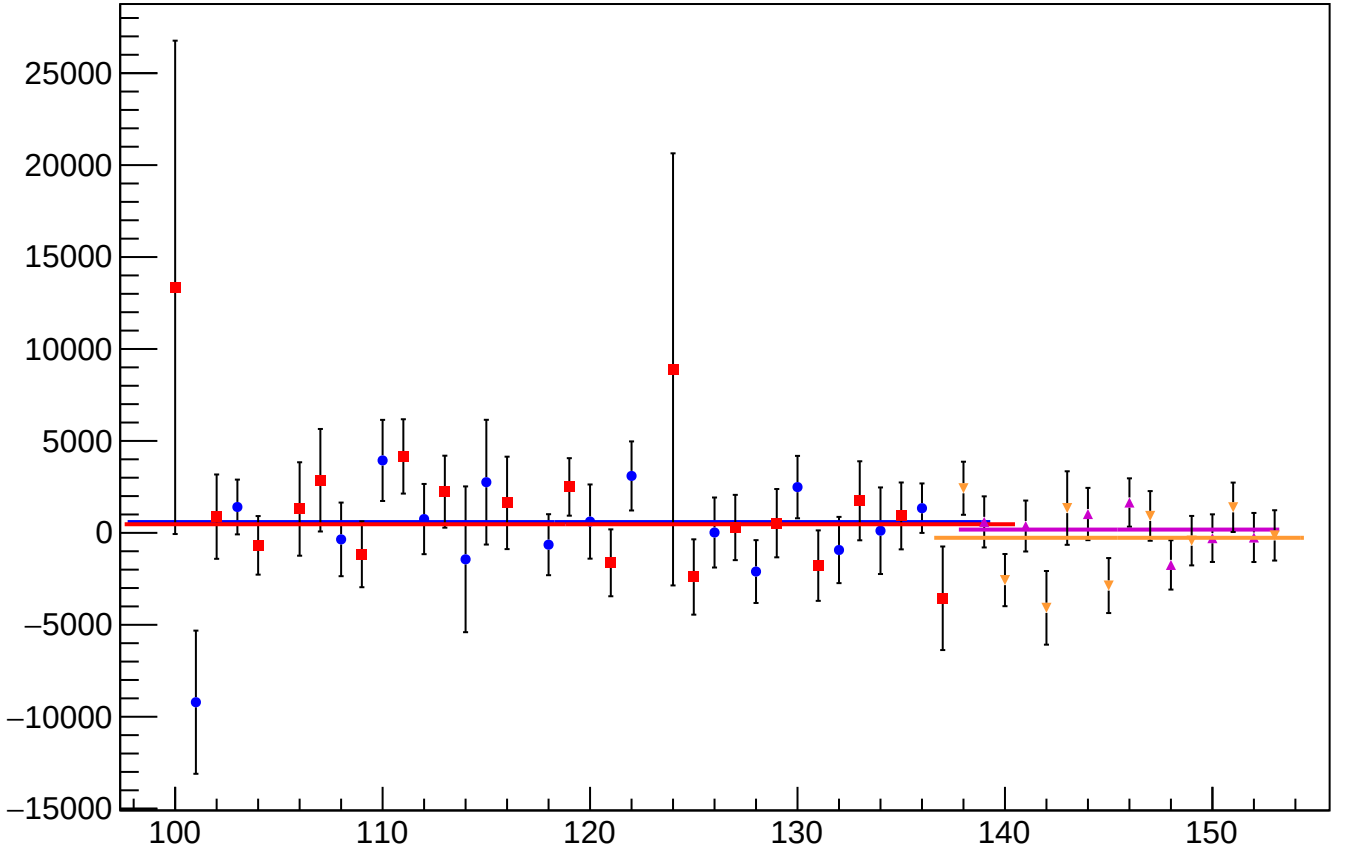
Left In: 0.000+/-0.000 χ^2/NDF:232556.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 6508935.6/24

All: 0.000+/-0.000 χ^2/NDF: 11923778.8/50

- sign 0.000+/-0.000 χ^2/NDF: 5308356.3/25

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.399+/-493.125 χ^2/NDF:15.7/8

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

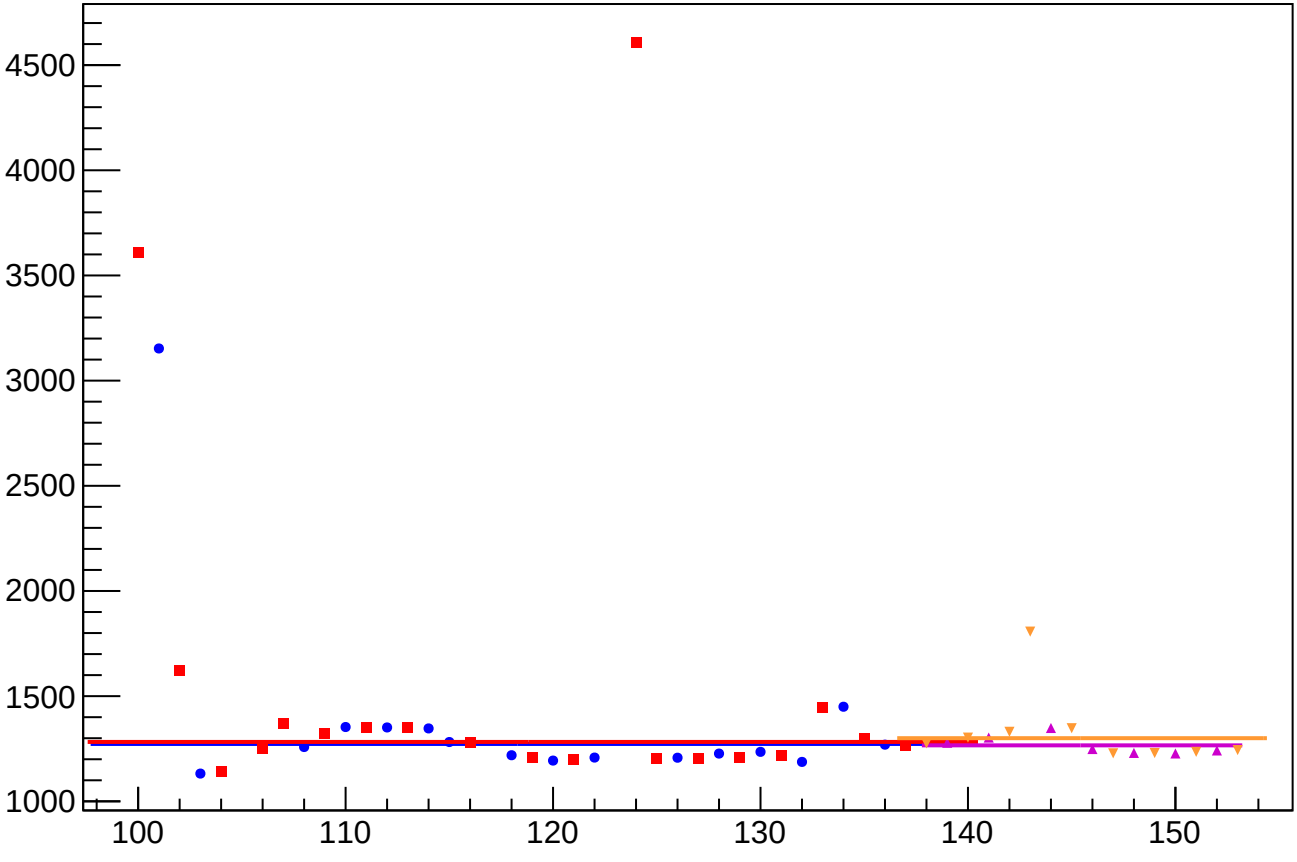
Left In: 178.905+/-511.253 χ^2/NDF:4.0/6

+ sign 168.641+/-344.850 χ^2/NDF: 34.3/24

All: 249.541+/-245.694 χ^2/NDF: 55.5/50

- sign 332.941+/-350.138 χ^2/NDF: 21.0/25

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

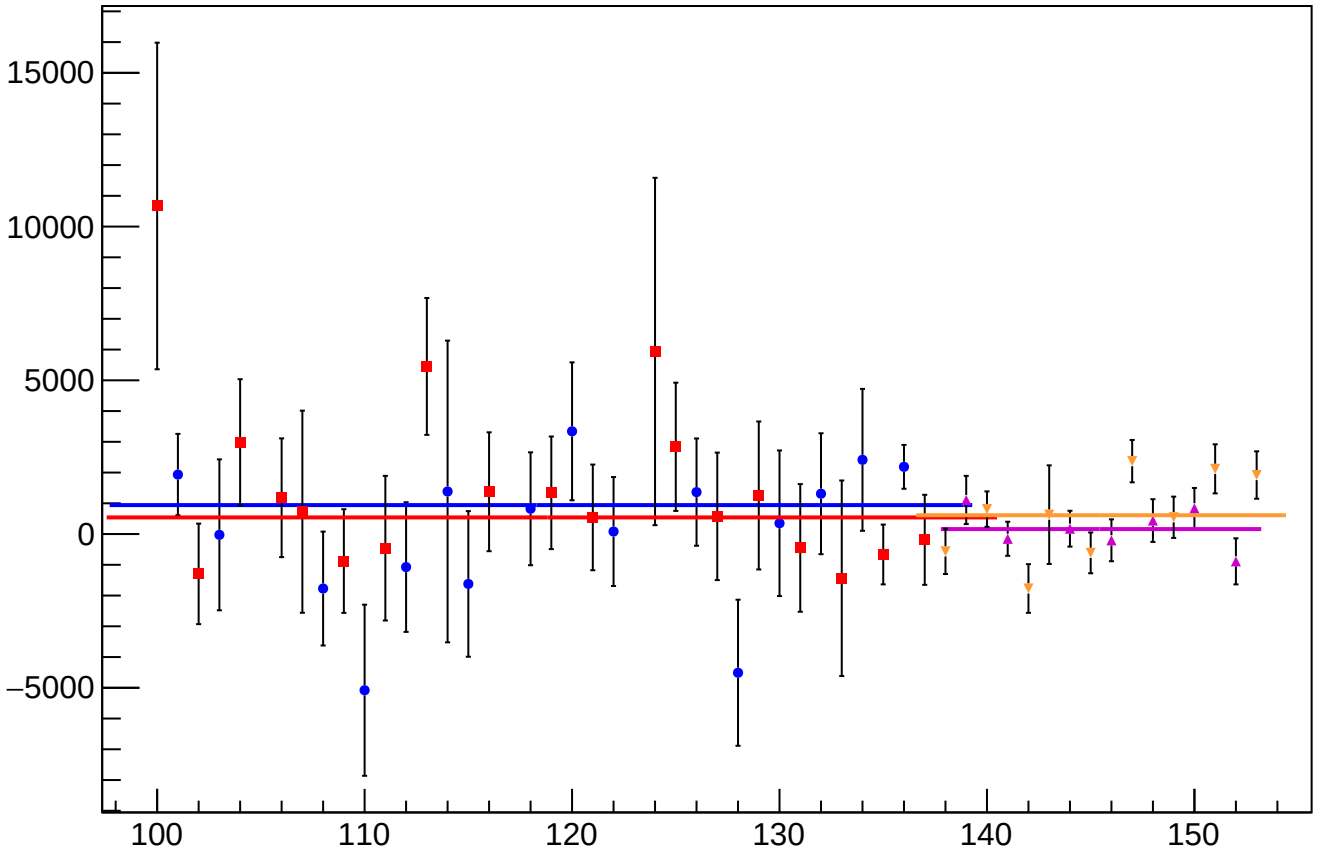
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1286.200+/-0.244 χ^2/NDF: 673161.0/24

All: 1280.557+/-0.174 χ^2/NDF: 1009965.6/50

- sign 1274.740+/-0.248 χ^2/NDF: 335717.1/25



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 611.956+/-244.878 χ^2/NDF:28.1/8

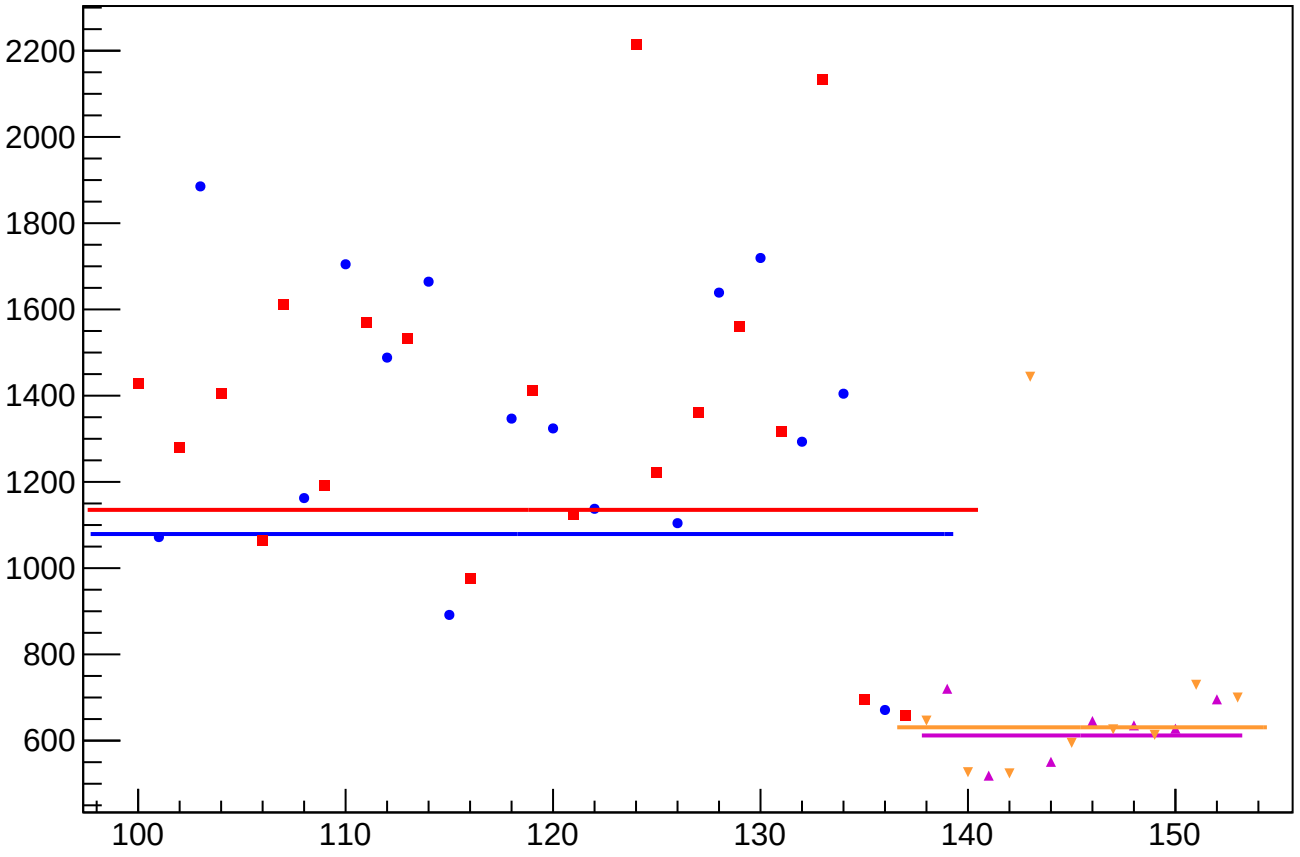
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 161.627+/-249.140 χ^2/NDF:5.2/6

+ sign 693.915+/-212.282 χ^2/NDF: 48.4/24

All: 478.414+/-151.674 χ^2/NDF: 73.5/50

- sign 253.668+/-216.787 χ^2/NDF: 23.0/25



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 630.898+/-0.173 χ^2/NDF:670668.8/8

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

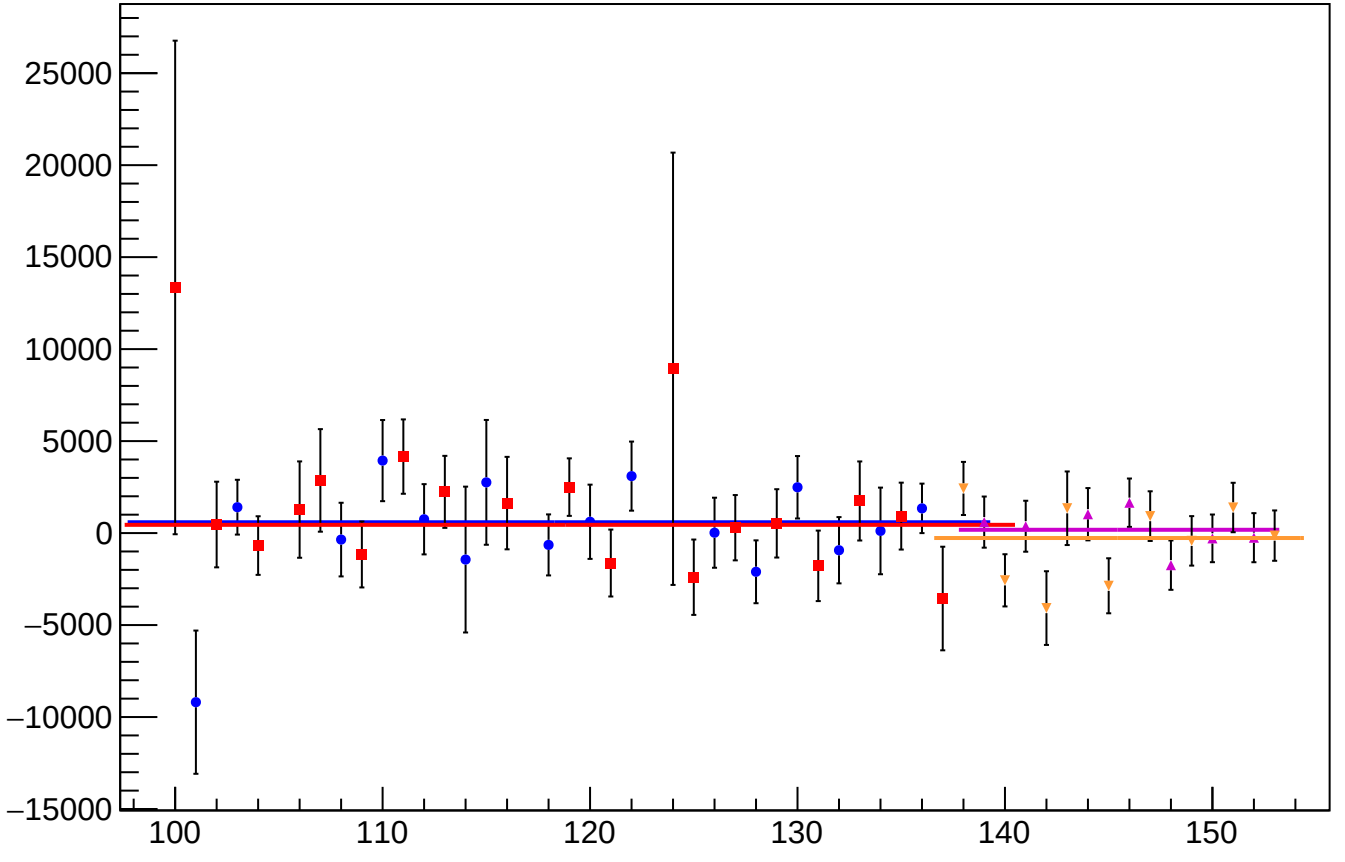
Left In: 611.959+/-0.176 χ^2/NDF:150058.6/6

\+ sign 742.284+/-0.150 χ^2/NDF: 3818056.4/24

All: 740.687+/-0.107 χ^2/NDF: 7403481.2/50

\- sign 739.021+/-0.153 χ^2/NDF: 3585193.5/25

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.497+/-493.125 χ^2/NDF:15.7/8

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

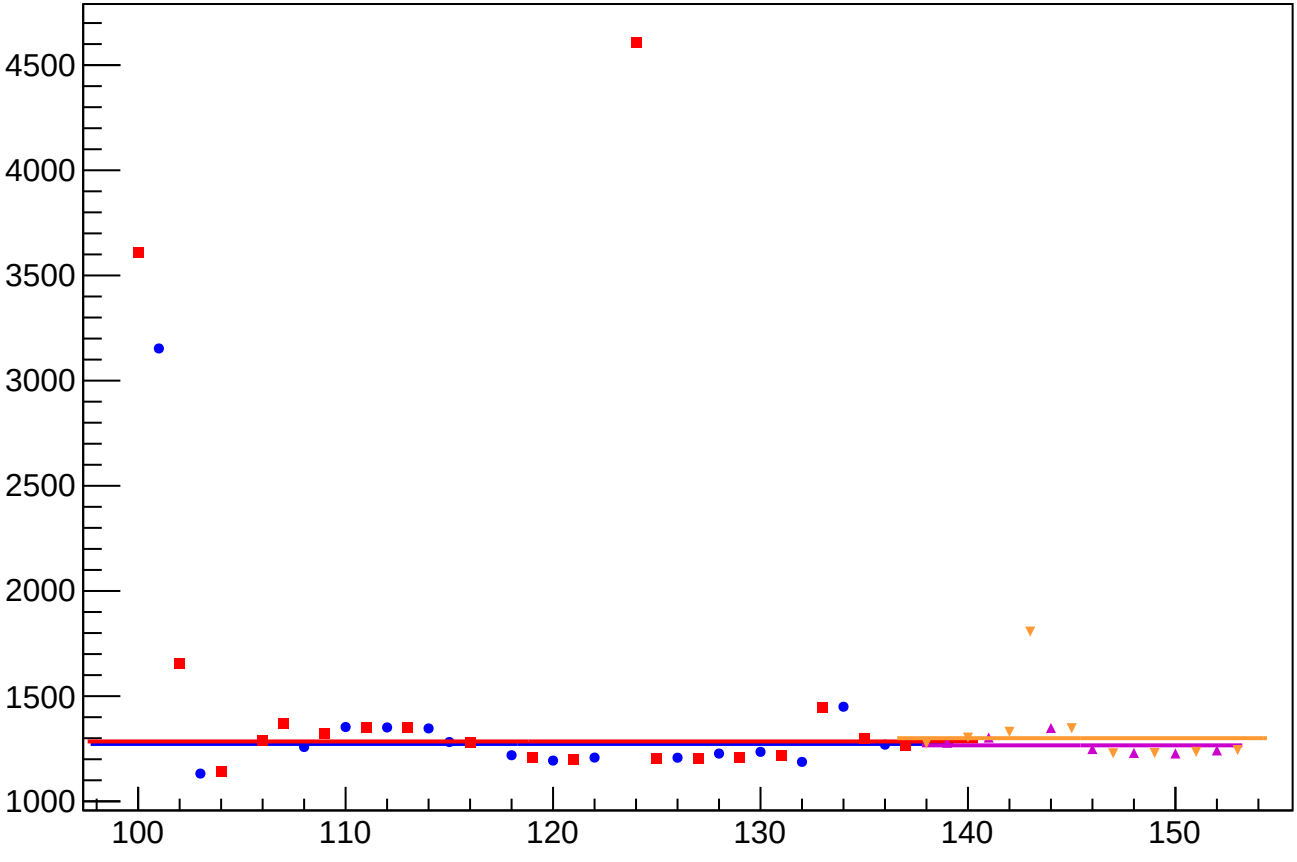
Left In: 178.935+/-511.253 χ^2/NDF:4.0/6

\+ sign 168.756+/-344.850 χ^2/NDF: 34.3/24

All: 244.039+/-245.803 χ^2/NDF: 55.4/50

\- sign 321.789+/-350.454 χ^2/NDF: 21.0/25

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

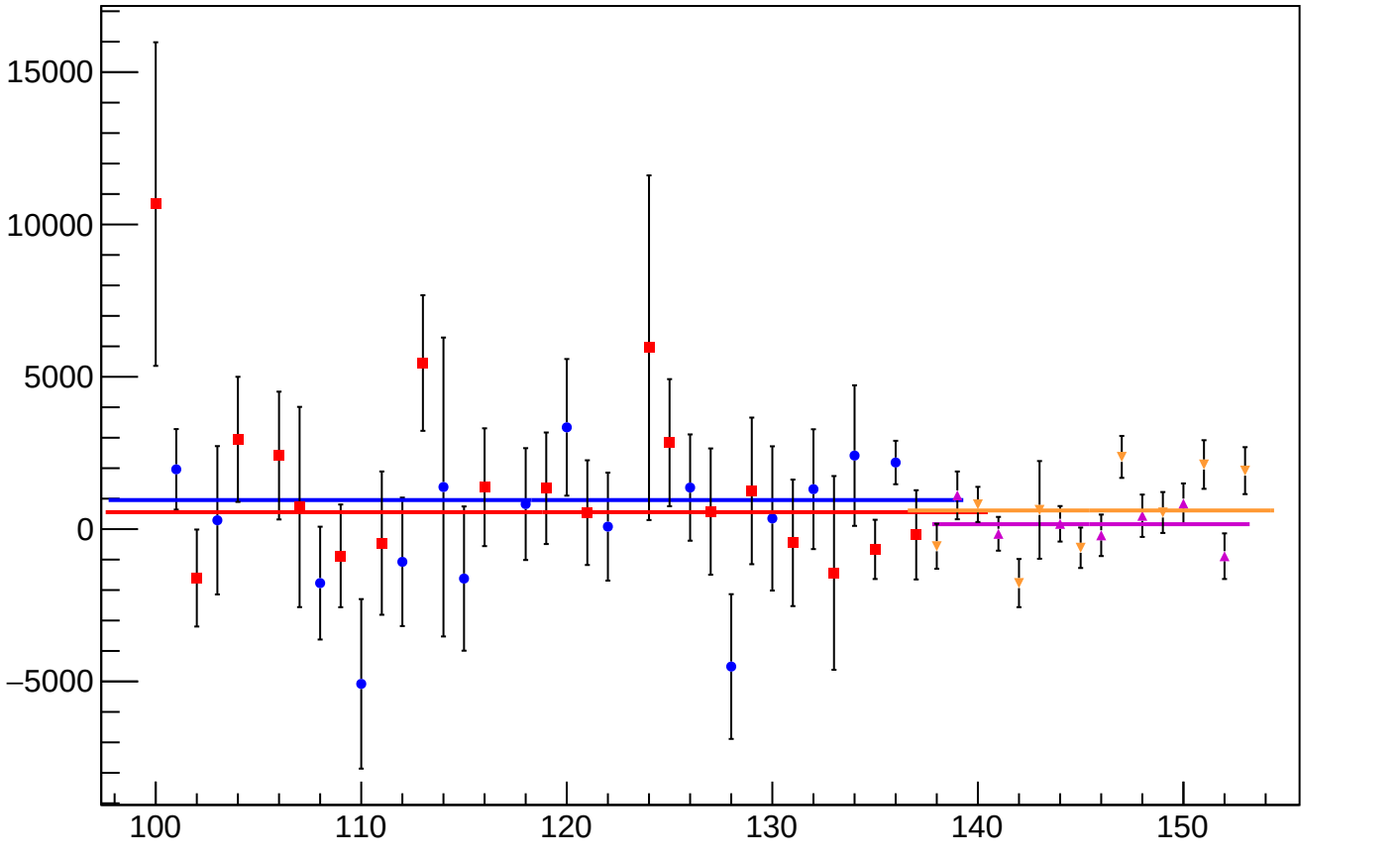
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1286.200+/-0.244 χ^2/NDF: 673162.5/24

All: 1281.153+/-0.174 χ^2/NDF: 1016728.2/50

- sign 1275.940+/-0.248 χ^2/NDF: 342694.9/25



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 611.945+/-244.881 χ^2/NDF:28.1/8

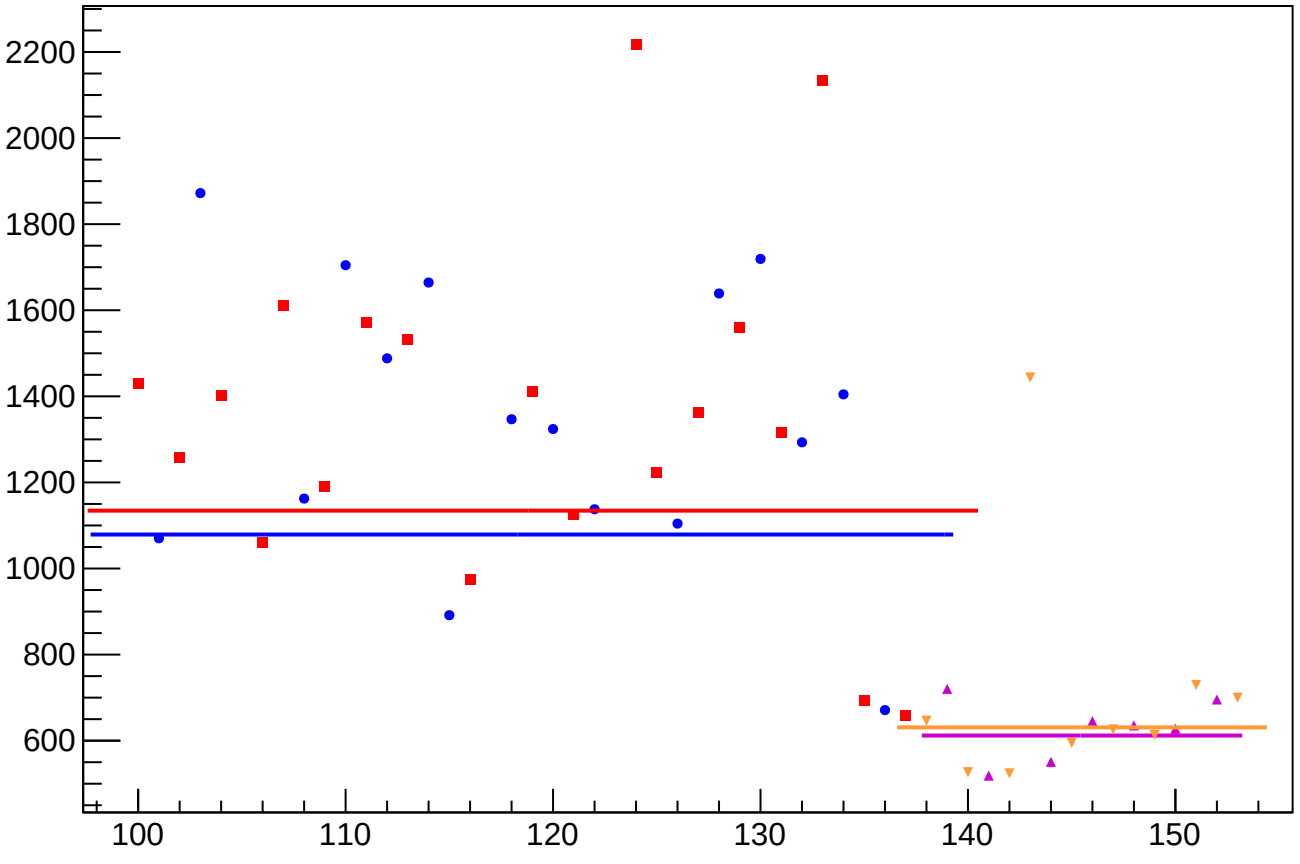
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 161.691+/-249.138 χ^2/NDF:5.2/6

+ sign 697.039+/-212.262 χ^2/NDF: 48.4/24

All: 482.074+/-151.701 χ^2/NDF: 74.8/50

- sign 257.638+/-216.887 χ^2/NDF: 24.2/25



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 630.907+/-0.173 χ^2/NDF:670590.6/8

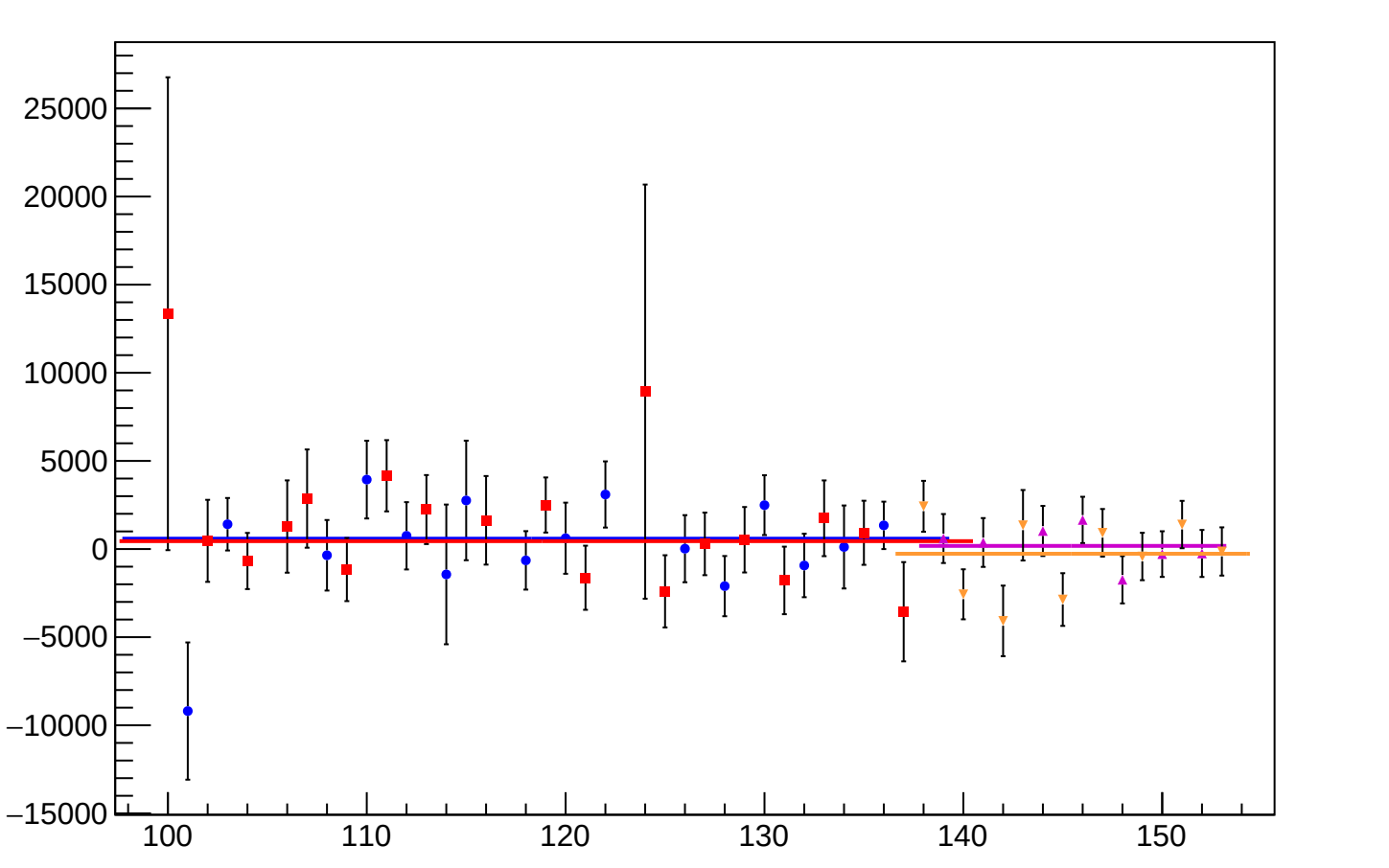
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

+ sign 742.316+/-0.150 χ^2/NDF: 3814027.2/24

All: 740.432+/-0.107 χ^2/NDF: 7383179.6/50

- sign 738.465+/-0.153 χ^2/NDF: 3568830.4/25



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.497+/-493.125 χ^2/NDF:15.7/8

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

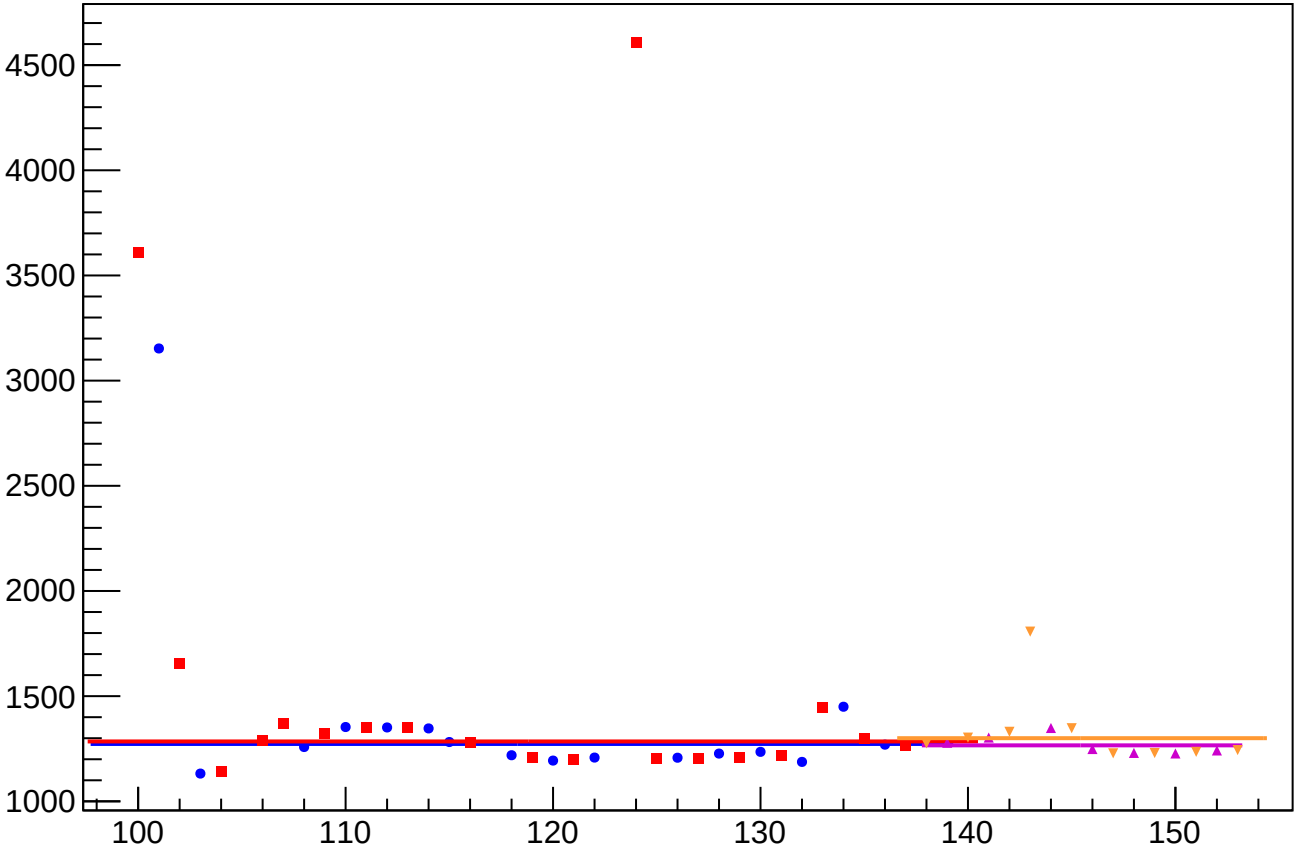
Left In: 178.935+/-511.253 χ^2/NDF:4.0/6

+ sign 168.756+/-344.850 χ^2/NDF: 34.3/24

All: 244.039+/-245.803 χ^2/NDF: 55.4/50

- sign 321.789+/-350.454 χ^2/NDF: 21.0/25

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

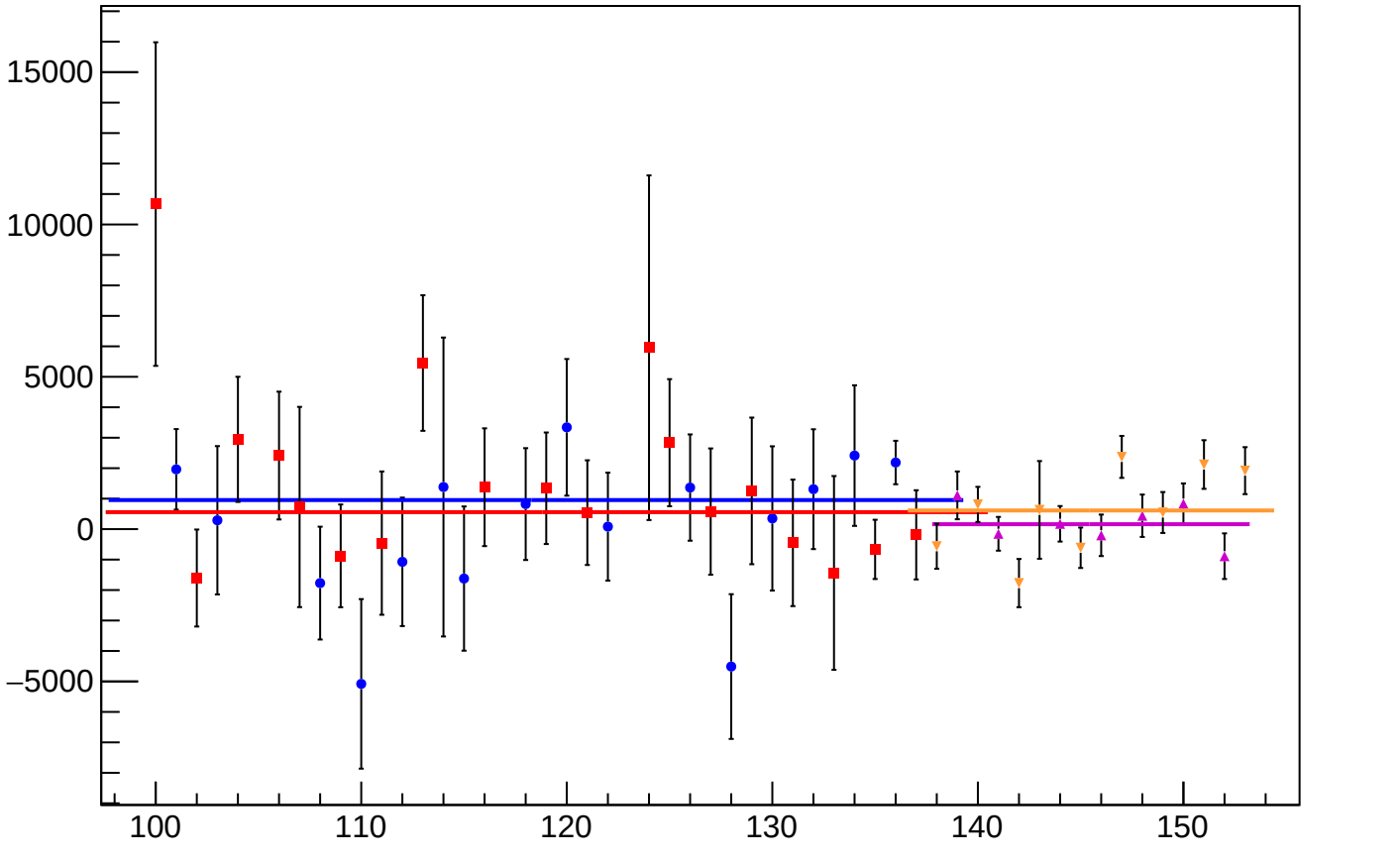
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

+ sign 1286.200+/-0.244 χ^2/NDF: 673162.5/24

All: 1281.153+/-0.174 χ^2/NDF: 1016728.2/50

- sign 1275.940+/-0.248 χ^2/NDF: 342694.9/25



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 611.945+/-244.881 χ^2/NDF:28.1/8

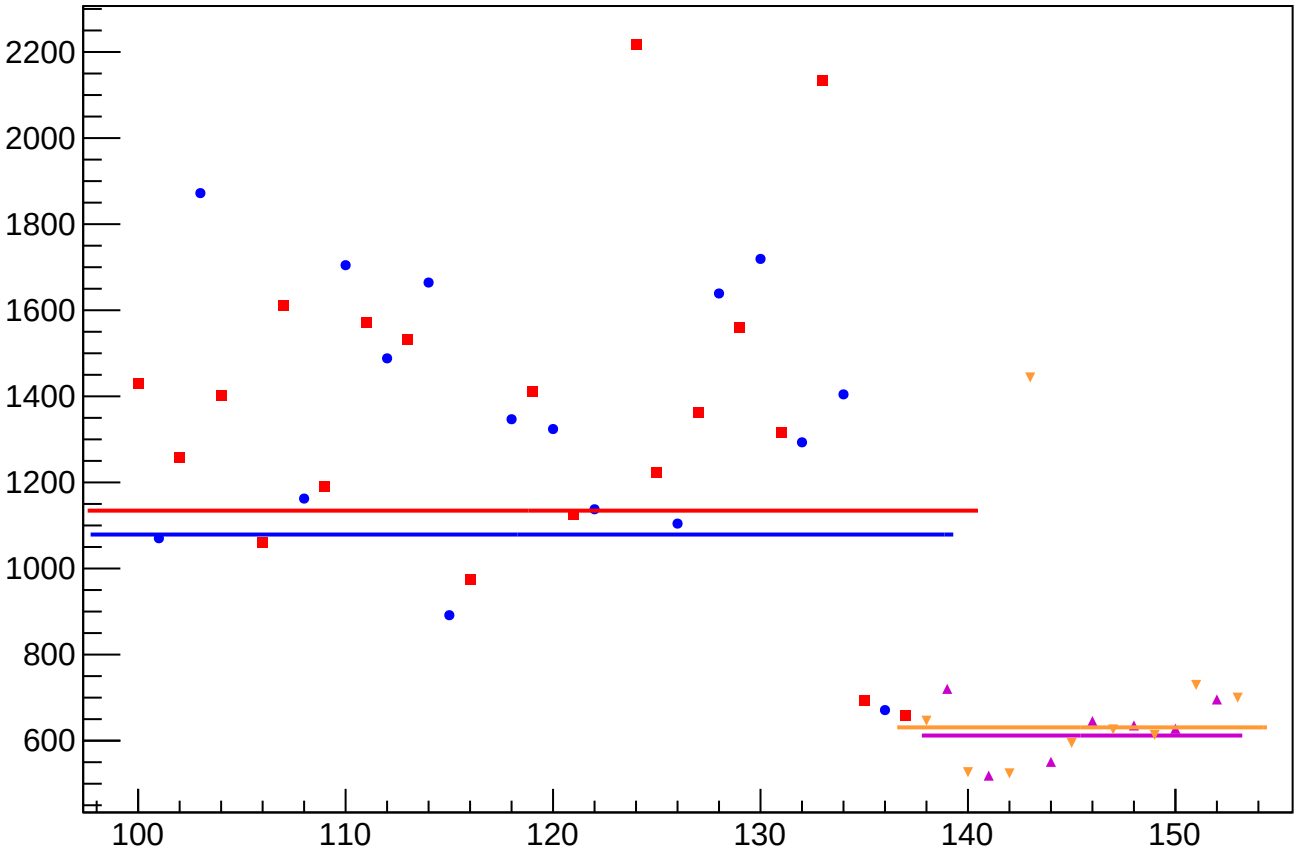
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 161.691+/-249.138 χ^2/NDF:5.2/6

+ sign 697.039+/-212.262 χ^2/NDF: 48.4/24

All: 482.074+/-151.701 χ^2/NDF: 74.8/50

- sign 257.638+/-216.887 χ^2/NDF: 24.2/25



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 630.907+/-0.173 χ^2/NDF:670590.6/8

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

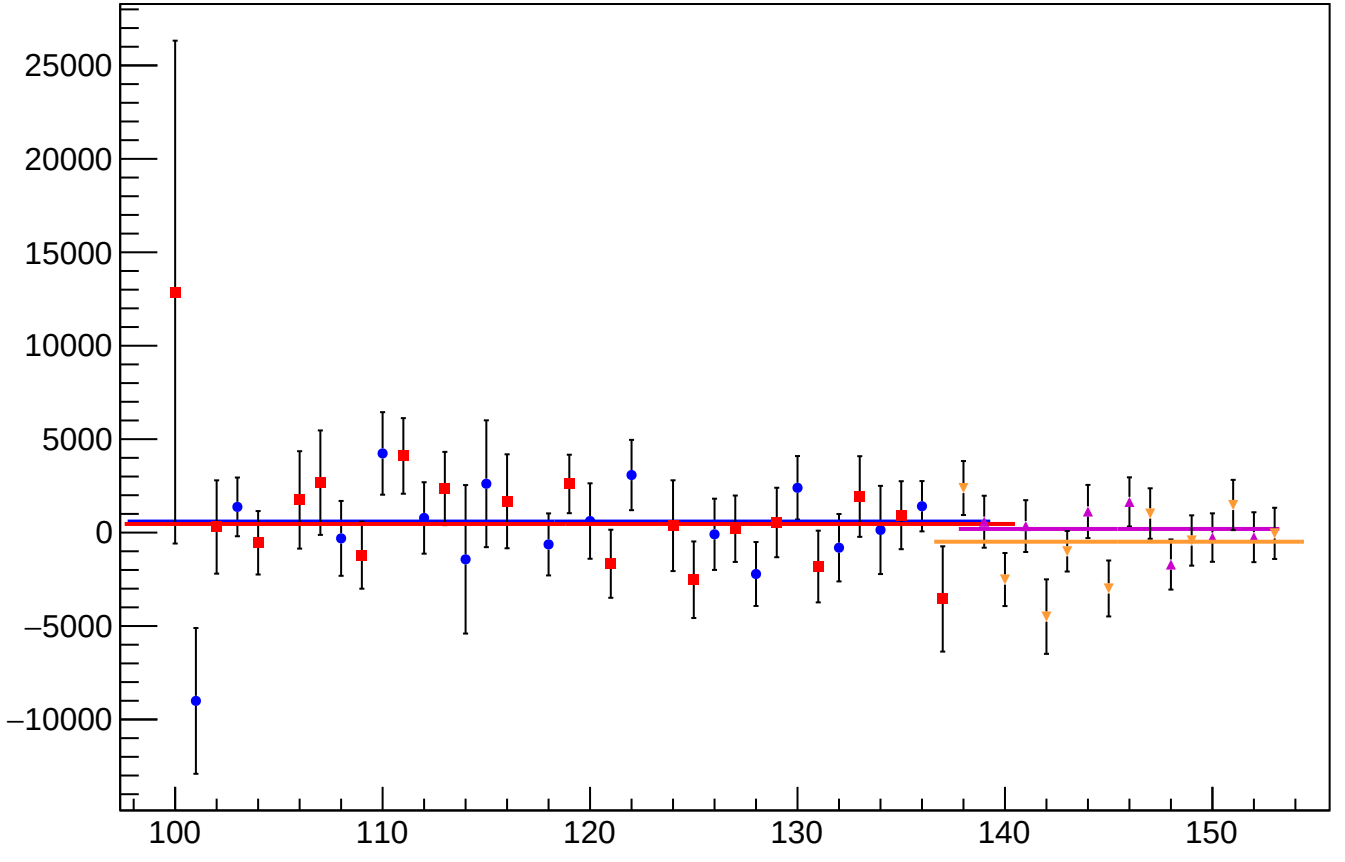
Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

\+ sign 742.316+/-0.150 χ^2/NDF: 3814027.2/24

All: 740.432+/-0.107 χ^2/NDF: 7383179.6/50

\- sign 738.465+/-0.153 χ^2/NDF: 3568830.4/25

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -487.696+/-460.769 χ^2/NDF:16.5/8

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

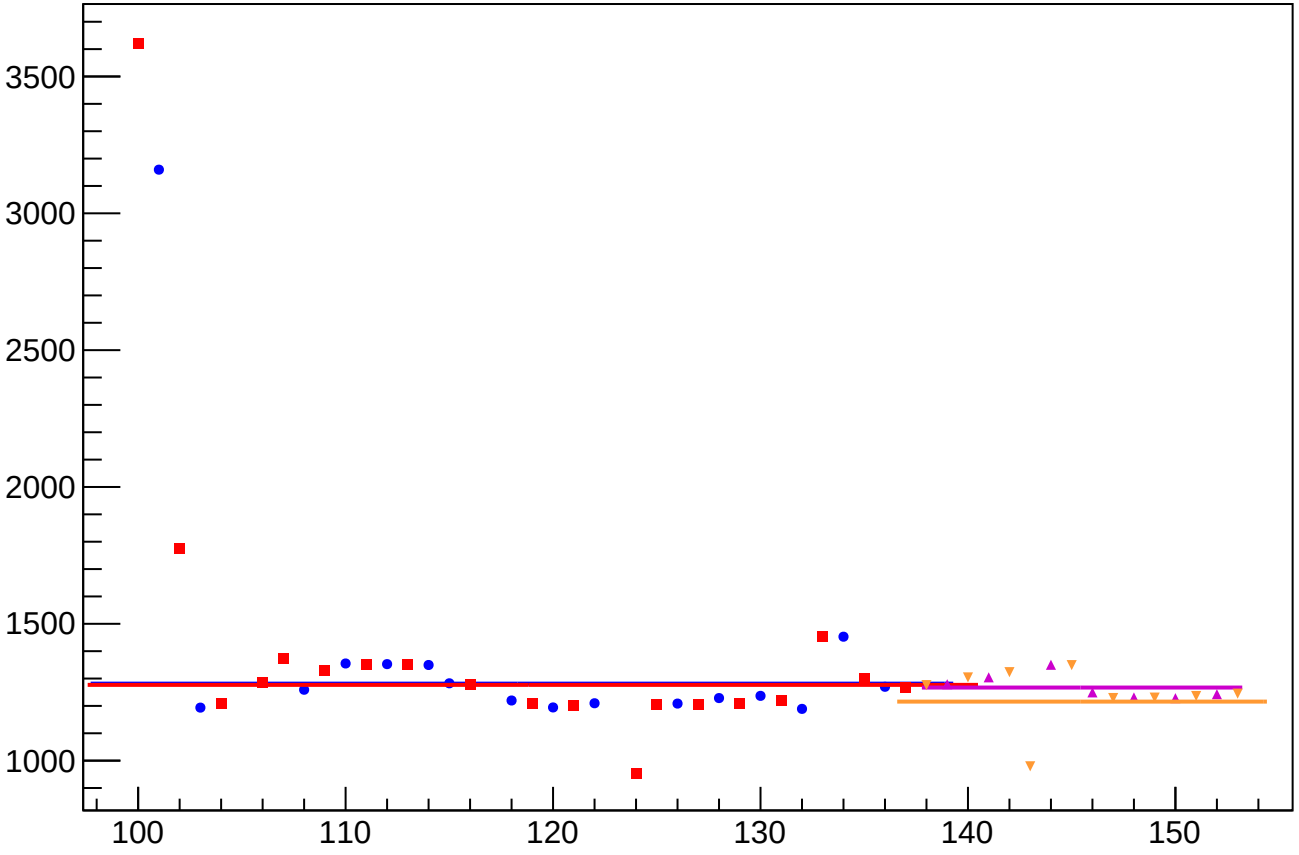
Left In: 194.734+/-511.646 χ^2/NDF:4.0/6

+ sign 23.177+/-334.208 χ^2/NDF: 36.2/24

All: 173.908+/-241.320 χ^2/NDF: 57.5/50

- sign 338.103+/-348.816 χ^2/NDF: 20.8/25

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1215.719+/-0.326 χ^2/NDF:129857.9/8

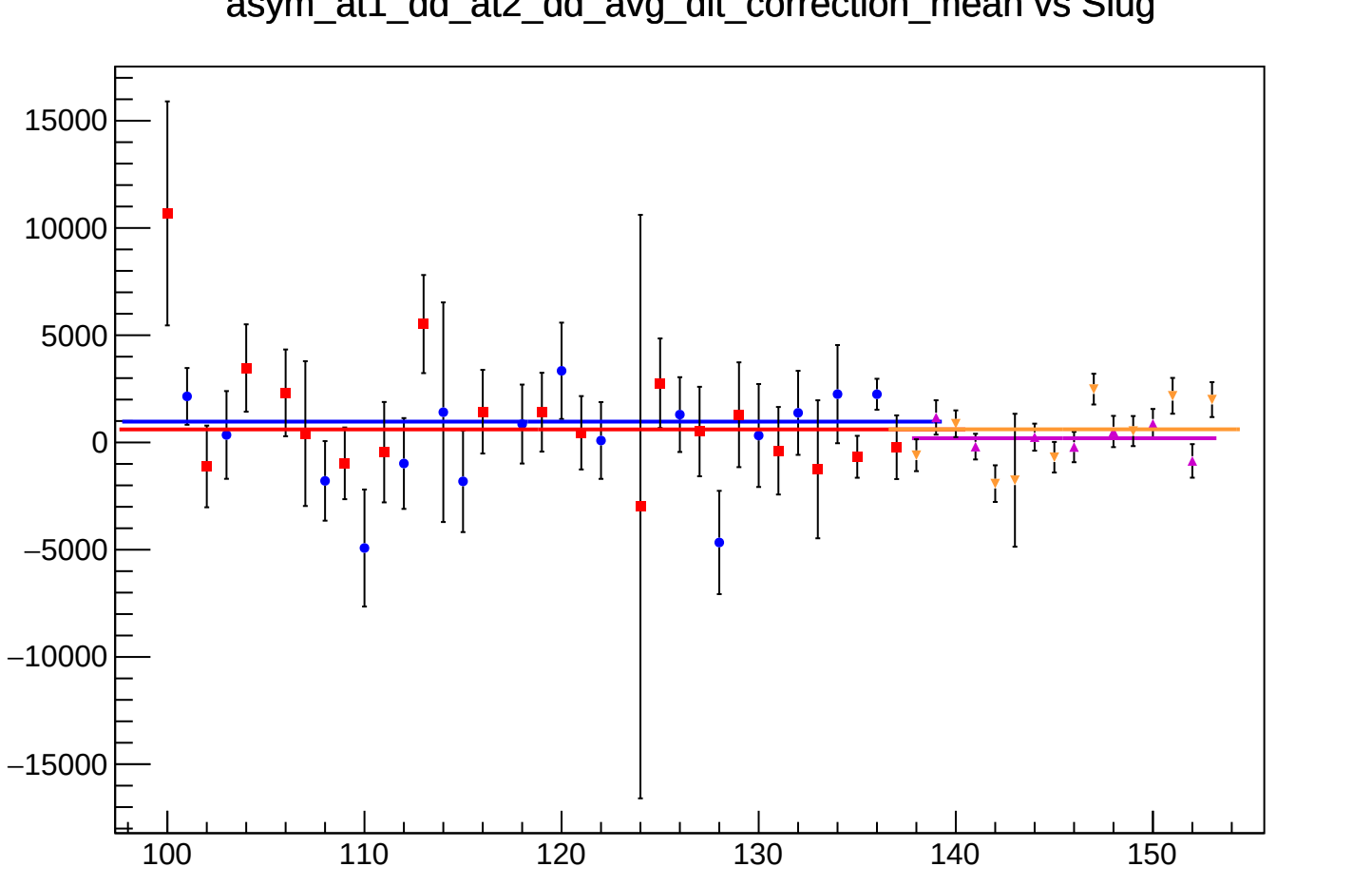
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.6/6

+ sign 1246.830+/-0.236 χ^2/NDF: 656177.1/24

All: 1259.026+/-0.171 χ^2/NDF: 895351.4/50

- sign 1272.311+/-0.247 χ^2/NDF: 233609.9/25



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 614.011+/-260.209 χ^2/NDF:28.8/8

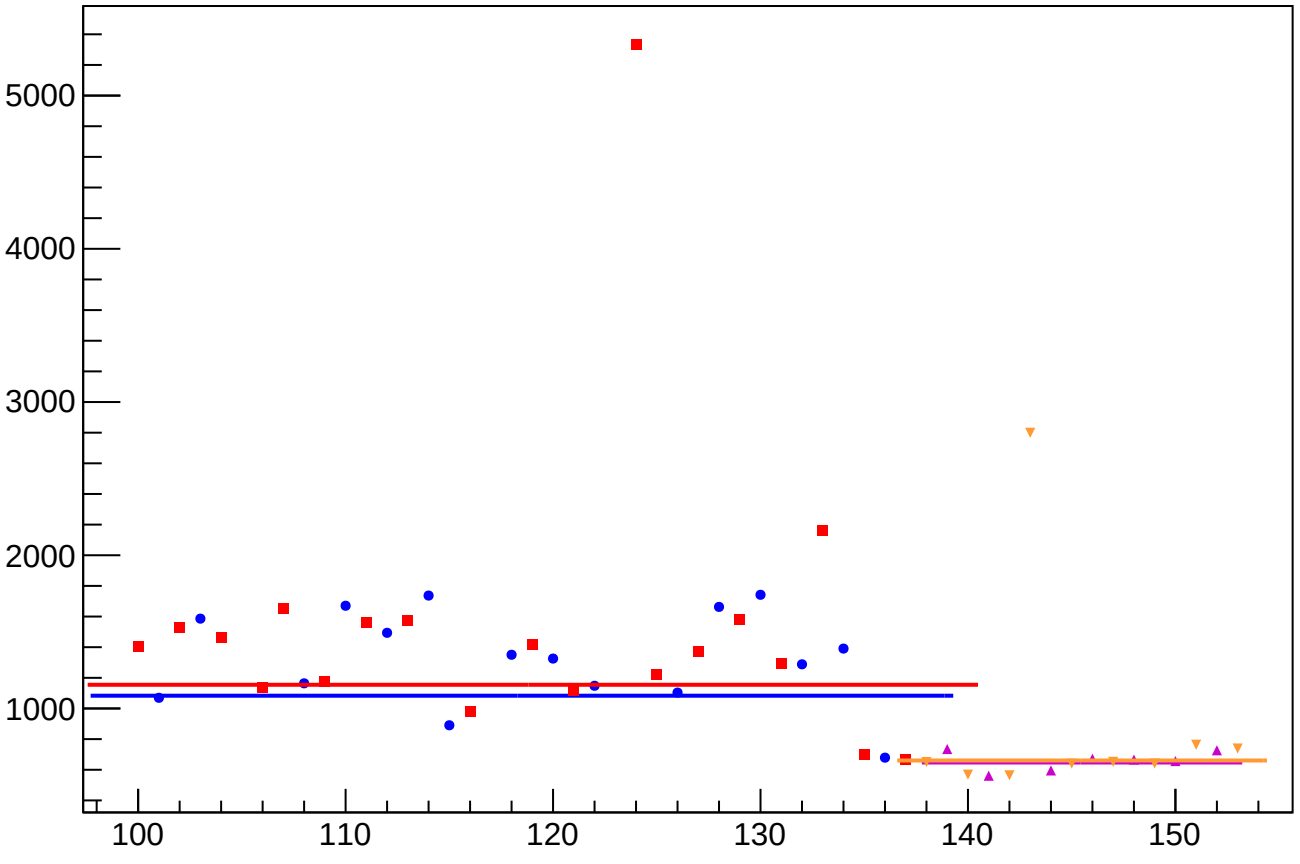
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 196.797+/-263.029 χ^2/NDF:5.2/6

+ sign 711.622+/-221.949 χ^2/NDF: 49.7/24

All: 511.430+/-158.626 χ^2/NDF: 74.3/50

- sign 302.410+/-226.790 χ^2/NDF: 22.9/25



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 660.585+/-0.184 χ^2/NDF:1075199.3/8

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

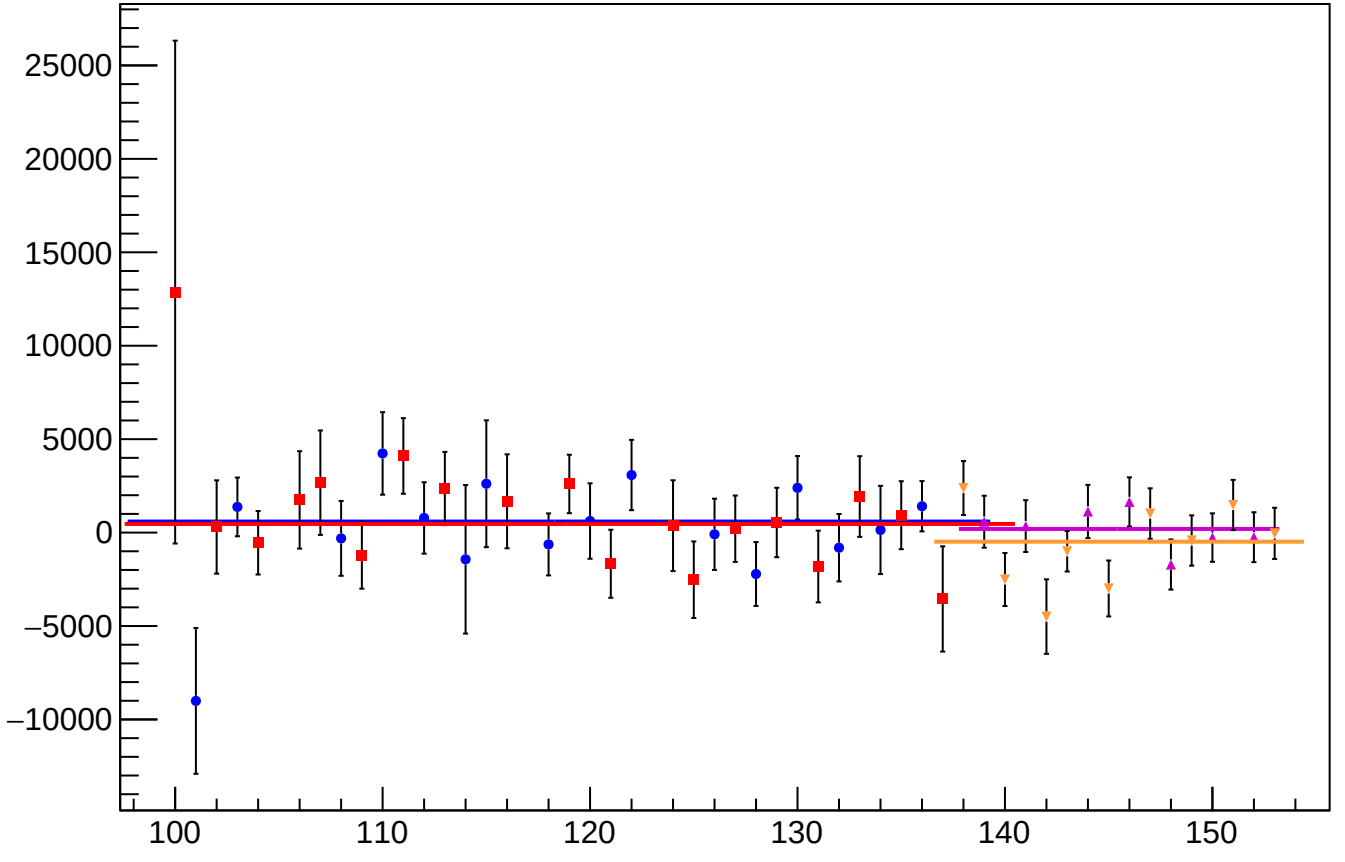
Left In: 647.485+/-0.186 χ^2/NDF:104248.1/6

+ sign 775.762+/-0.157 χ^2/NDF: 3873607.1/24

All: 776.675+/-0.112 χ^2/NDF: 7374569.5/50

- sign 777.628+/-0.160 χ^2/NDF: 3500893.3/25

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -487.698+/-460.769 χ^2/NDF:16.5/8

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

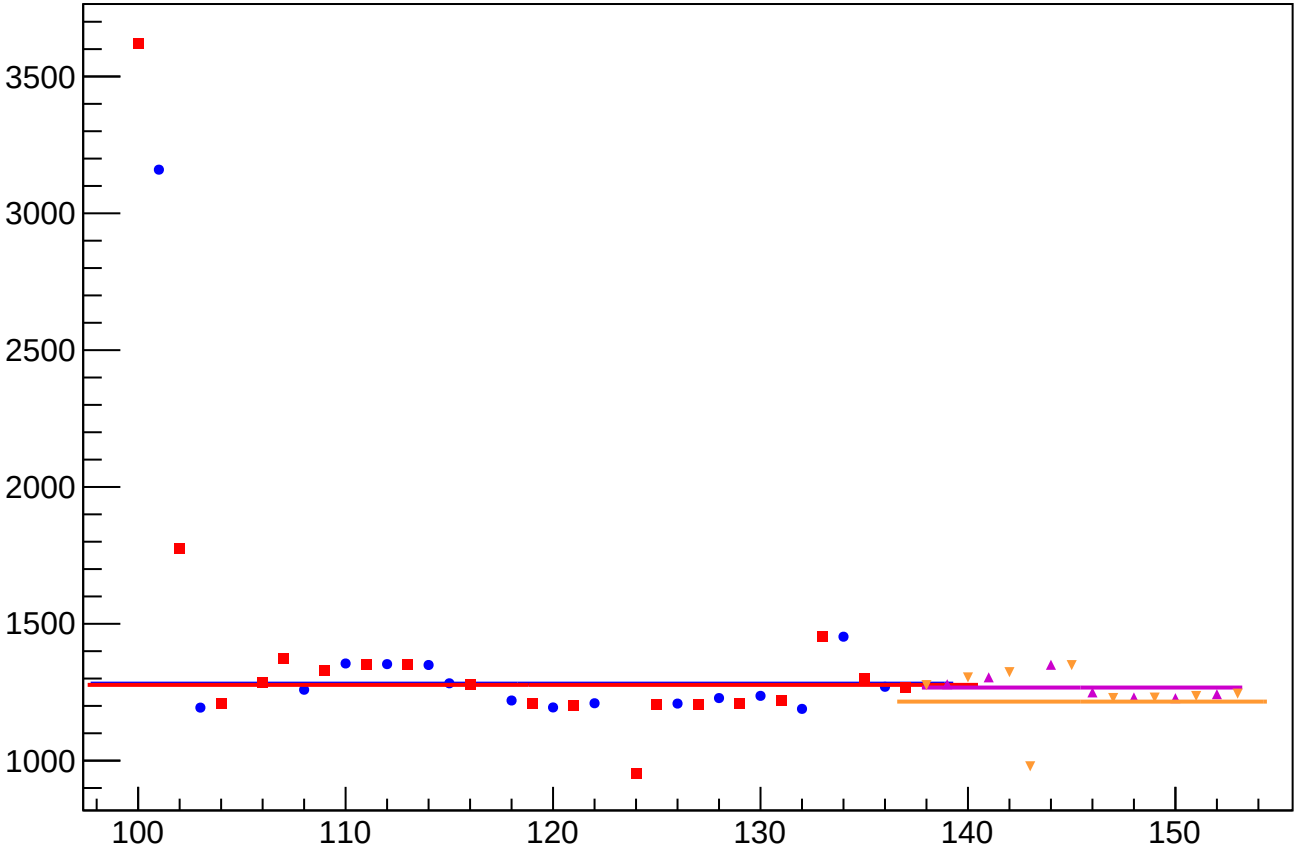
Left In: 194.737+/-511.646 χ^2/NDF:4.0/6

\+ sign 23.177+/-334.208 χ^2/NDF: 36.2/24

All: 173.909+/-241.320 χ^2/NDF: 57.5/50

\- sign 338.104+/-348.816 χ^2/NDF: 20.8/25

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1215.719+/-0.326 χ^2/NDF:129857.3/8

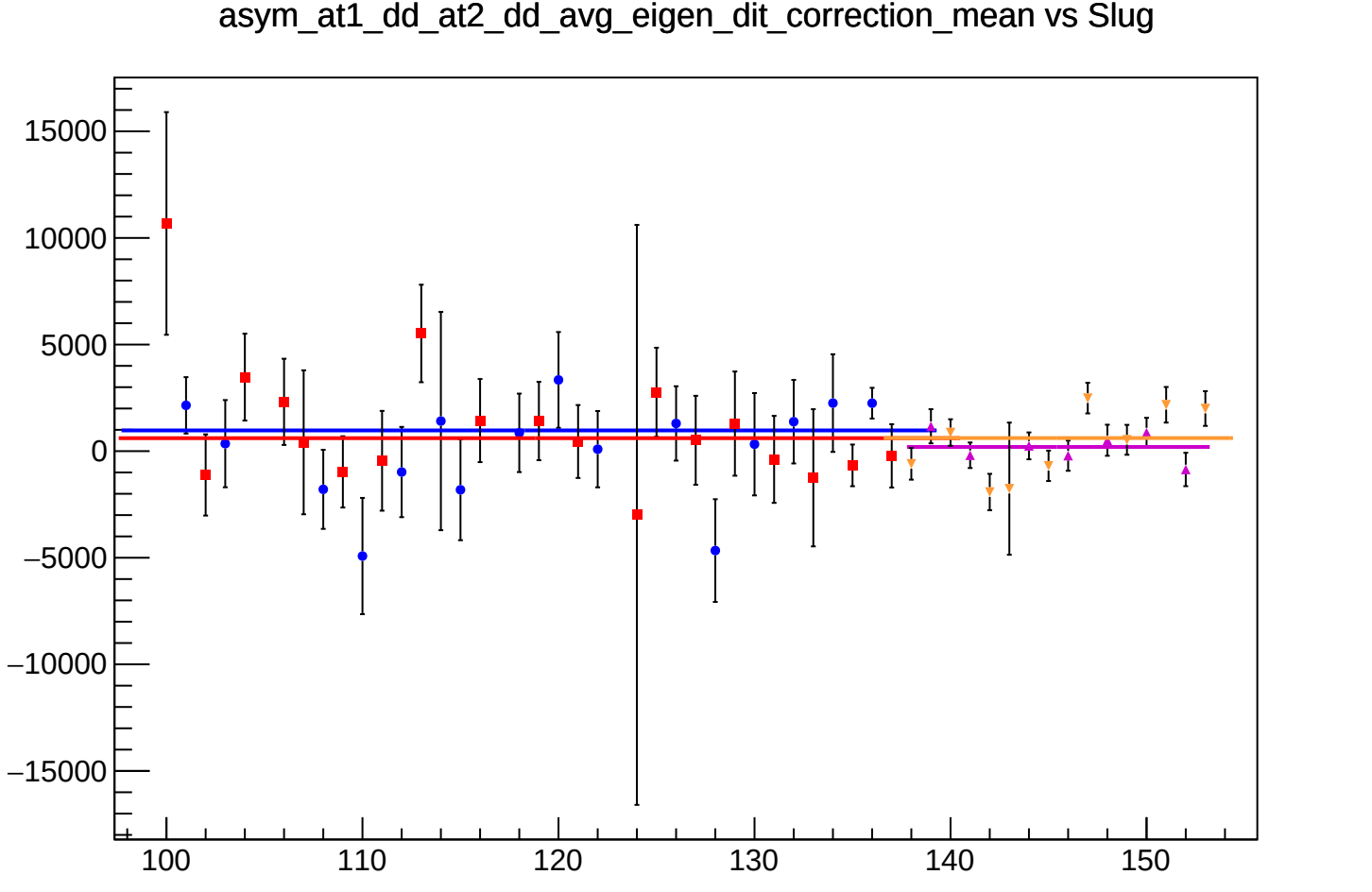
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.7/6

+ sign 1246.830+/-0.236 χ^2/NDF: 656176.4/24

All: 1259.026+/-0.171 χ^2/NDF: 895350.5/50

- sign 1272.311+/-0.247 χ^2/NDF: 233609.8/25



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 614.015+/-260.209 χ^2/NDF:28.8/8

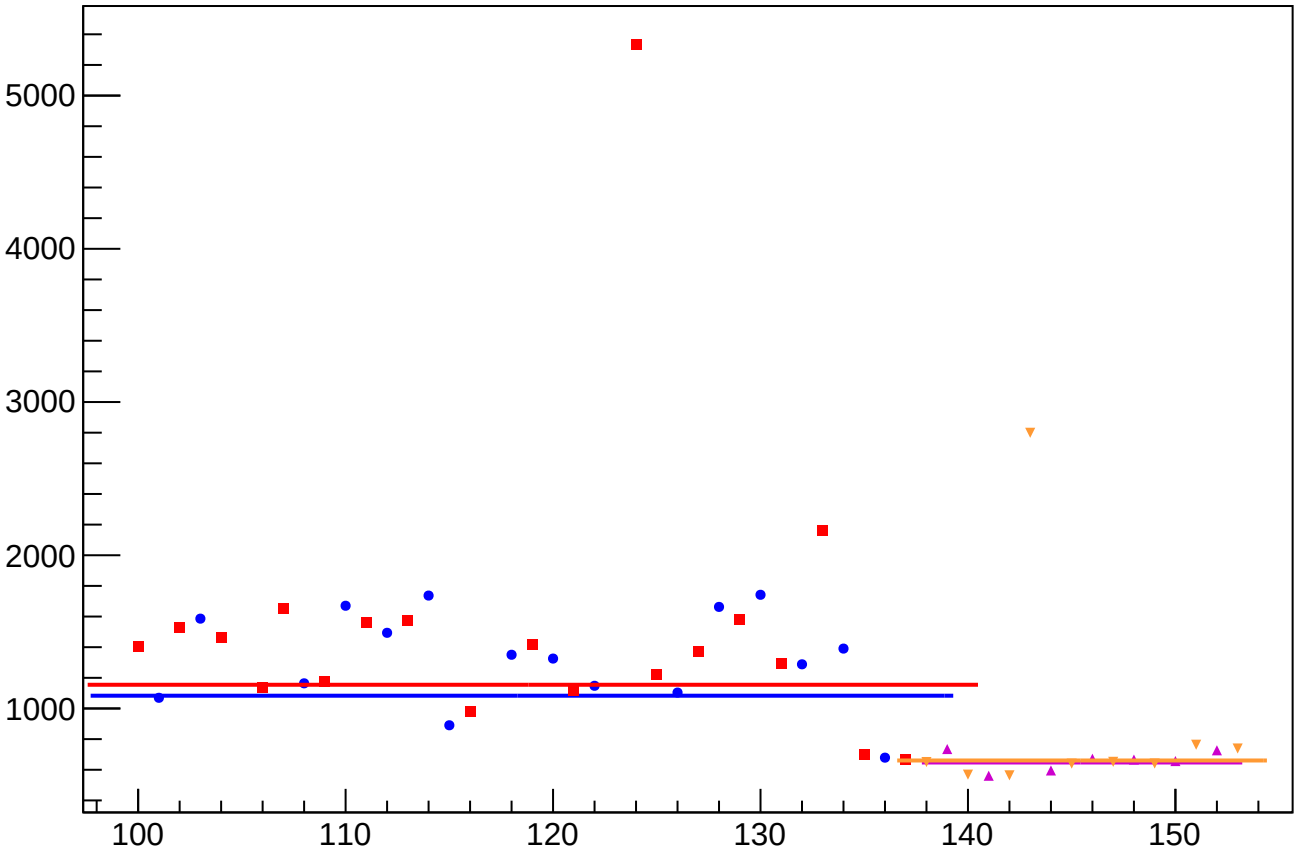
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 196.797+/-263.029 χ^2/NDF:5.2/6

+ sign 711.624+/-221.950 χ^2/NDF: 49.7/24

All: 511.431+/-158.626 χ^2/NDF: 74.3/50

- sign 302.412+/-226.790 χ^2/NDF: 22.9/25



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 660.587+/-0.184 χ^2/NDF:1075194.3/8

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

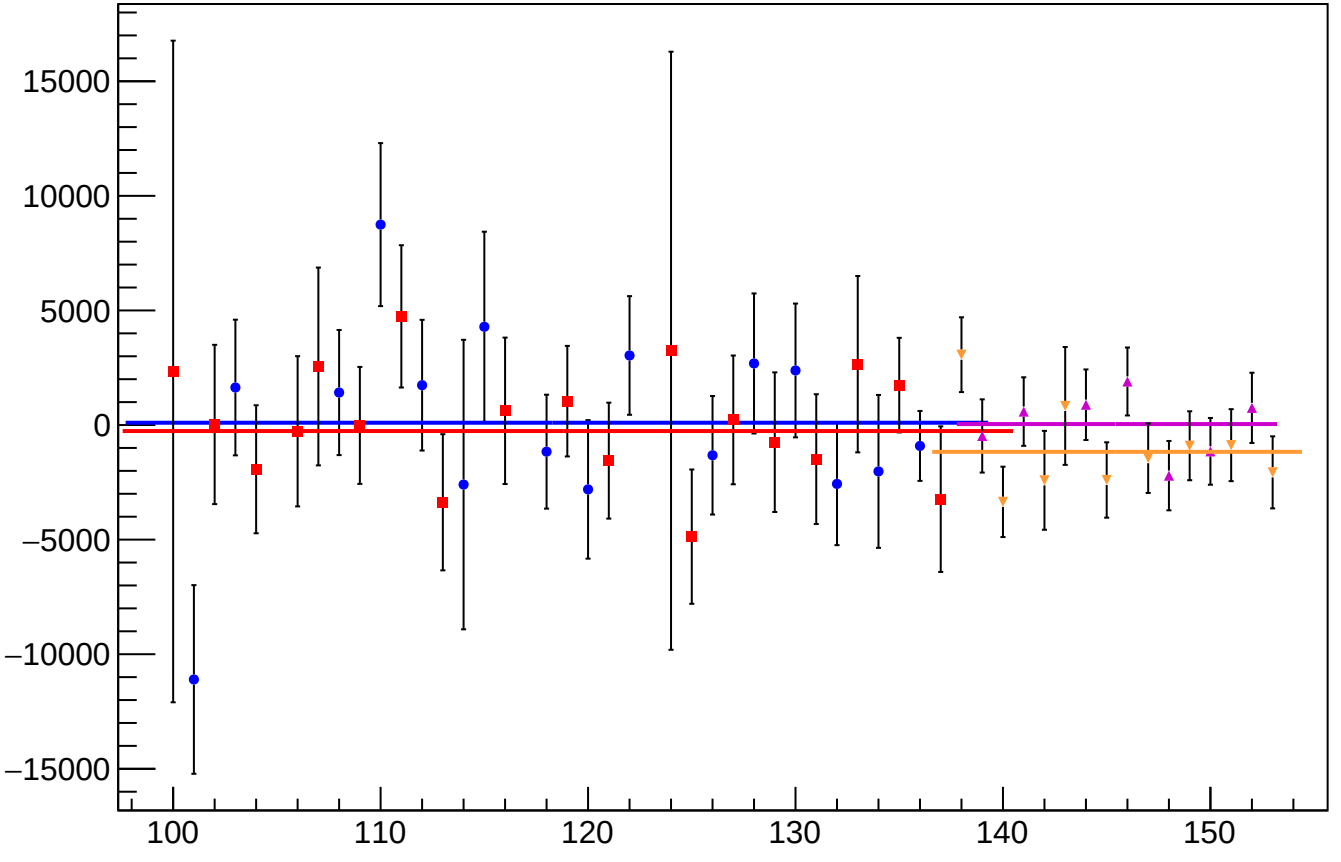
Left In: 647.484+/-0.186 χ^2/NDF:104250.8/6

+ sign 775.765+/-0.157 χ^2/NDF: 3873567.3/24

All: 776.676+/-0.112 χ^2/NDF: 7374525.2/50

- sign 777.628+/-0.160 χ^2/NDF: 3500889.0/25

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1169.693+/-557.030 χ^2/NDF:10.7/8

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

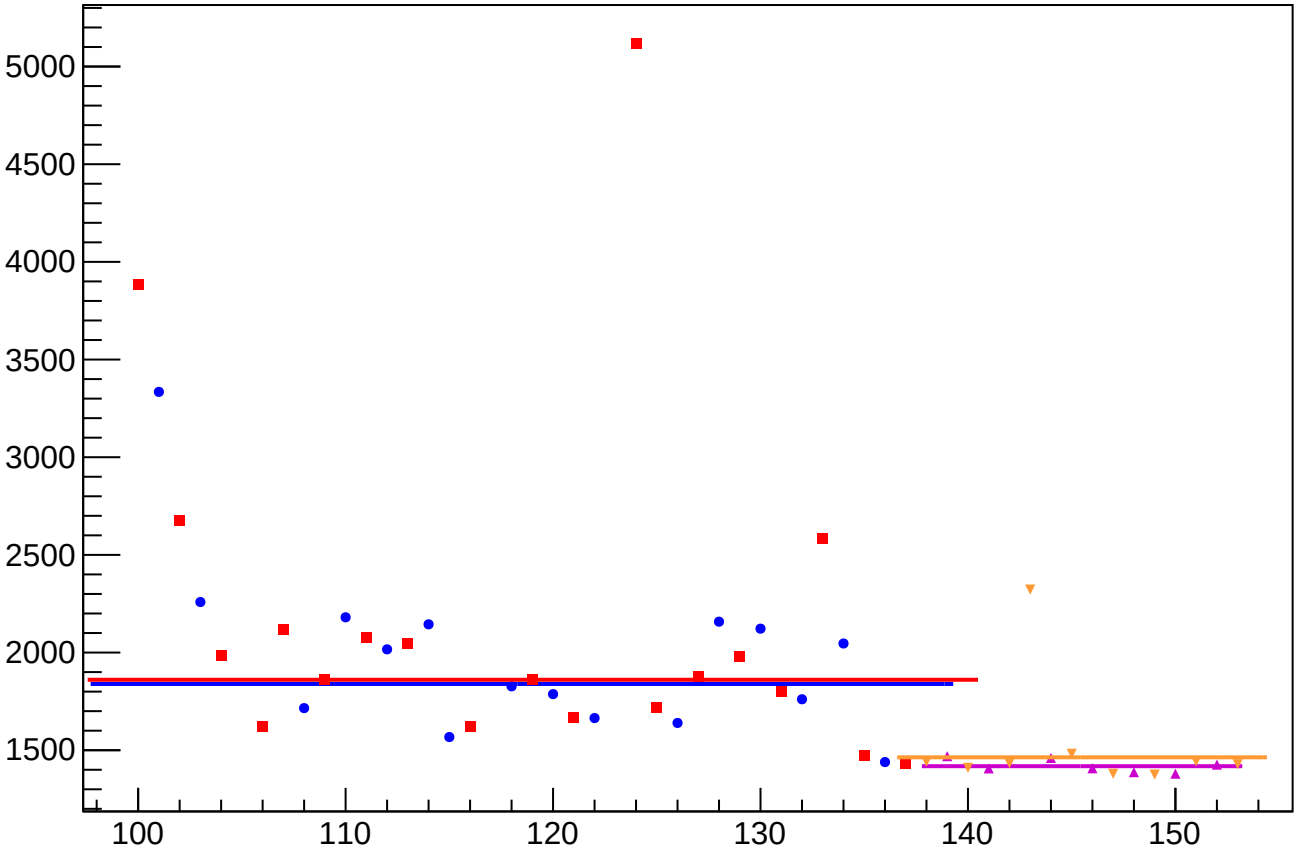
Left In: 42.131+/-572.584 χ^2/NDF:5.2/6

+ sign -676.361+/-435.622 χ^2/NDF: 34.0/24

All: -383.343+/-310.652 χ^2/NDF: 50.6/50

- sign -80.137+/-443.130 χ^2/NDF: 15.7/25

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1463.711+/-0.394 χ^2/NDF:240872.7/8

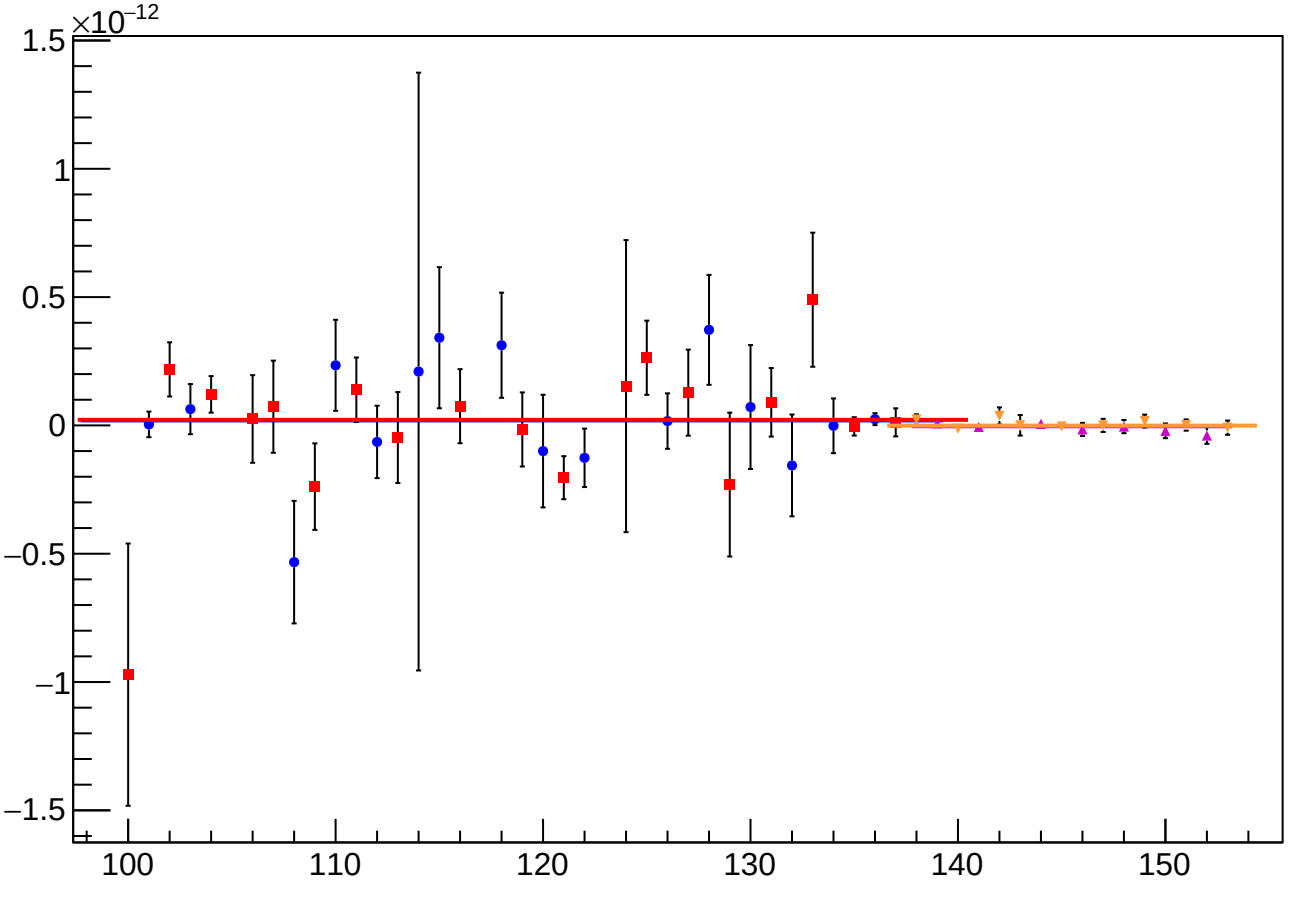
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.257+/-0.405 χ^2/NDF:6024.7/6

+ sign 1609.520+/-0.308 χ^2/NDF: 1150418.8/24

All: 1602.741+/-0.220 χ^2/NDF: 2158598.8/50

- sign 1595.727+/-0.313 χ^2/NDF: 1007194.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/8

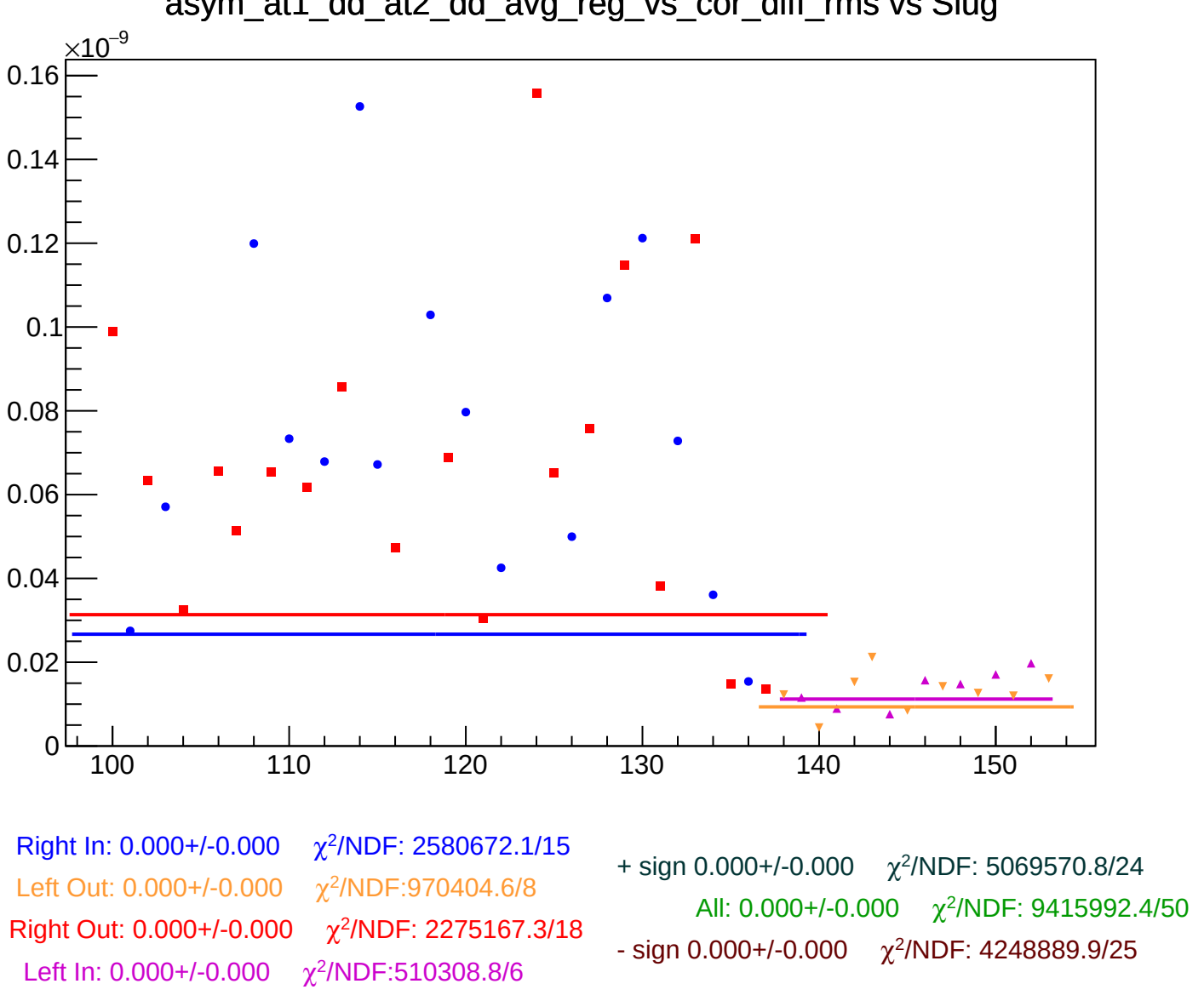
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

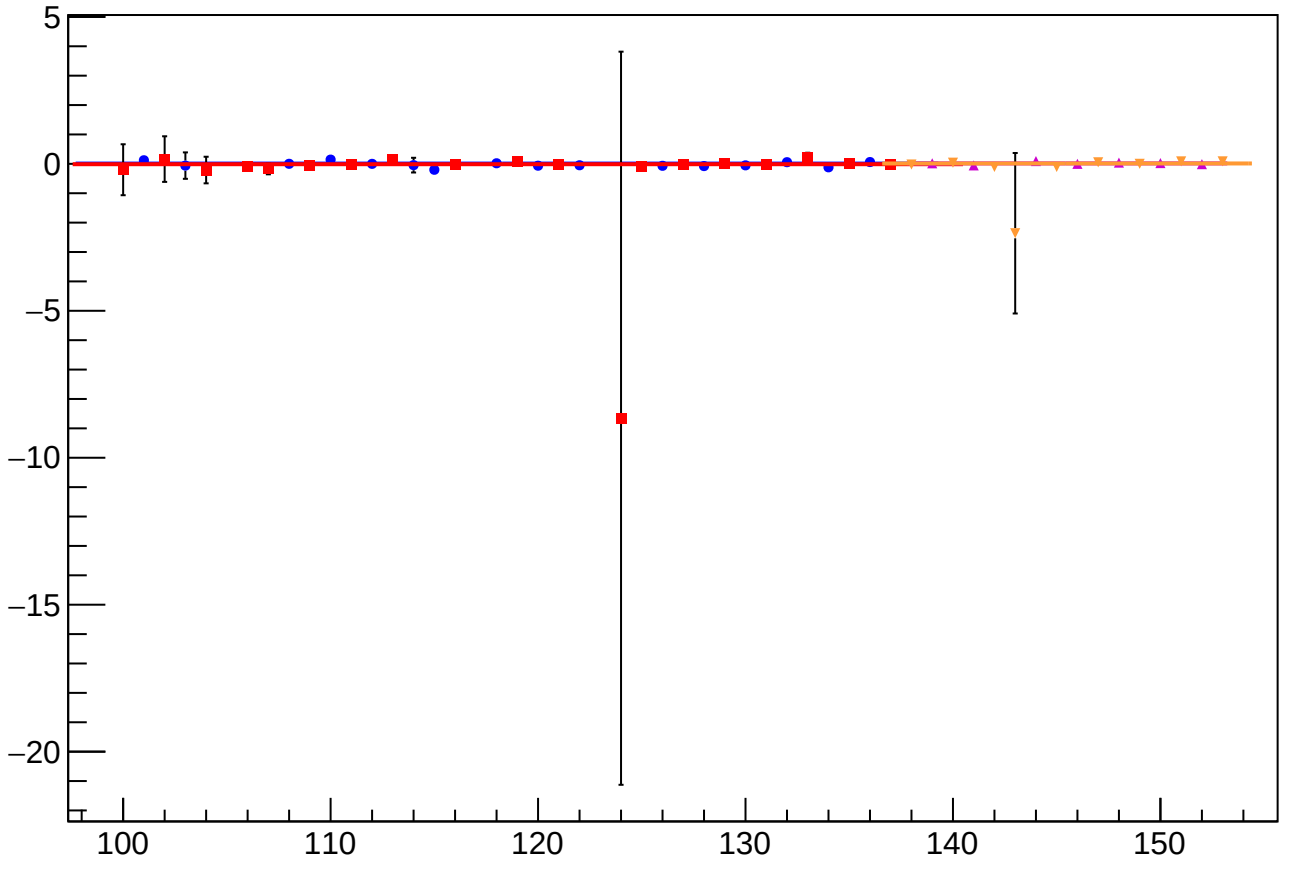
Left In: -0.000+/-0.000 χ^2/NDF:2.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.1/24

All: 0.000+/-0.000 χ^2/NDF: 54.2/50

- sign -0.000+/-0.000 χ^2/NDF: 32.1/25


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:970404.6/8
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:510308.8/6
+ sign 0.000+/-0.000 χ²/NDF: 5069570.8/24
All: 0.000+/-0.000 χ²/NDF: 9415992.4/50
- sign 0.000+/-0.000 χ²/NDF: 4248889.9/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

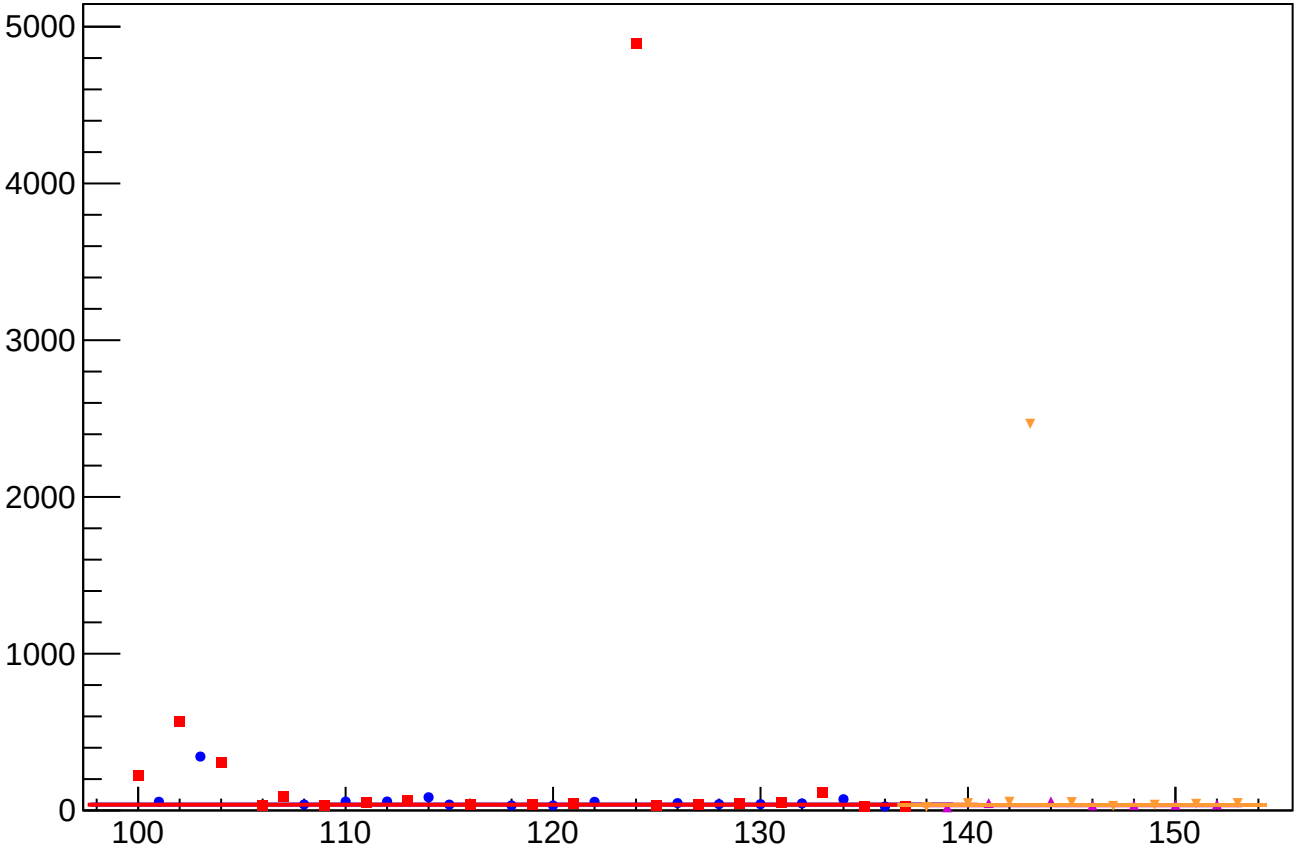
Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.011+/-0.011 χ^2/NDF: 33.1/24

All: 0.007+/-0.008 χ^2/NDF: 51.7/50

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.750+/-0.011 χ^2/NDF:2595625.7/8

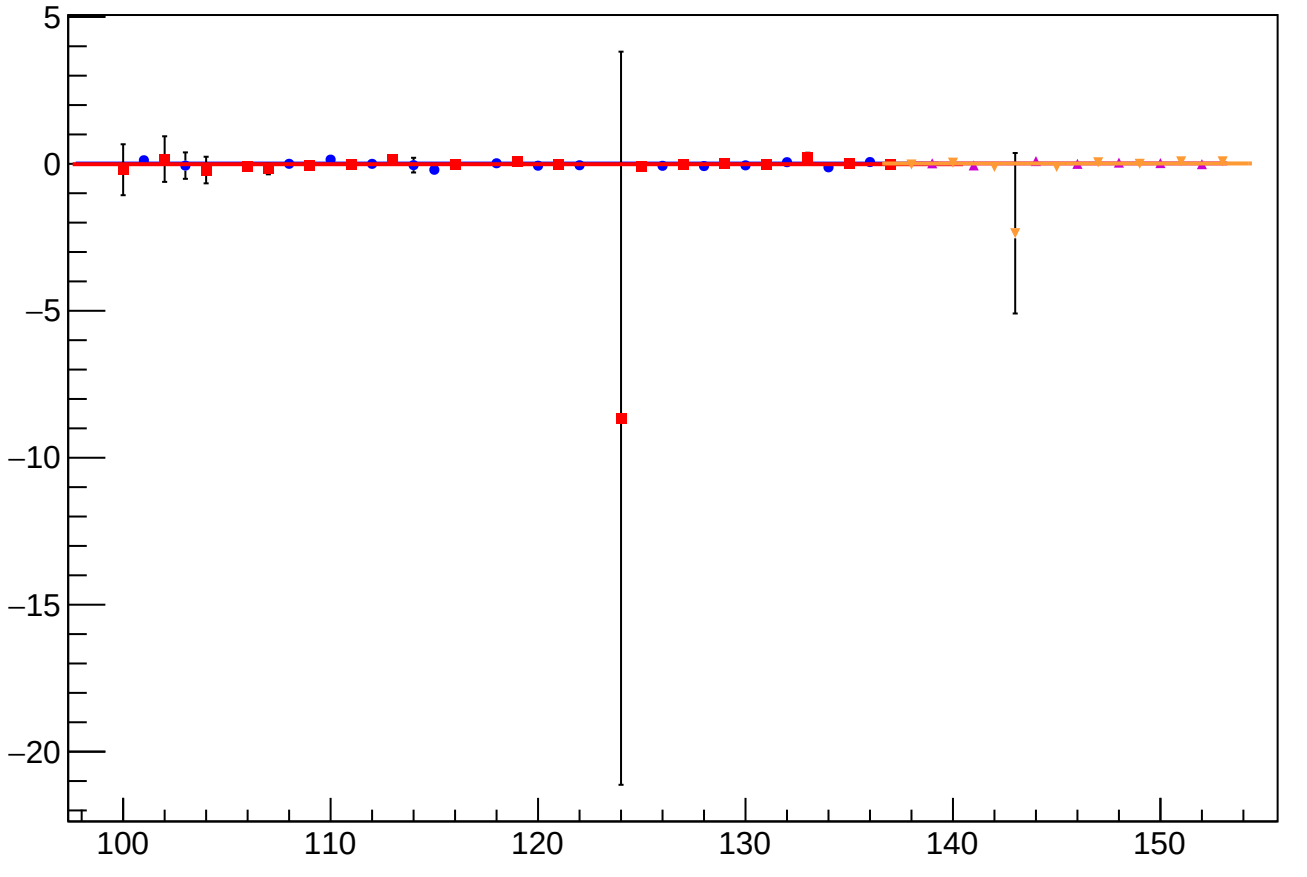
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

+ sign 36.067+/-0.008 χ^2/NDF: 4609206.0/24

All: 35.443+/-0.006 χ^2/NDF: 8801300.8/50

- sign 34.820+/-0.008 χ^2/NDF: 4179555.8/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

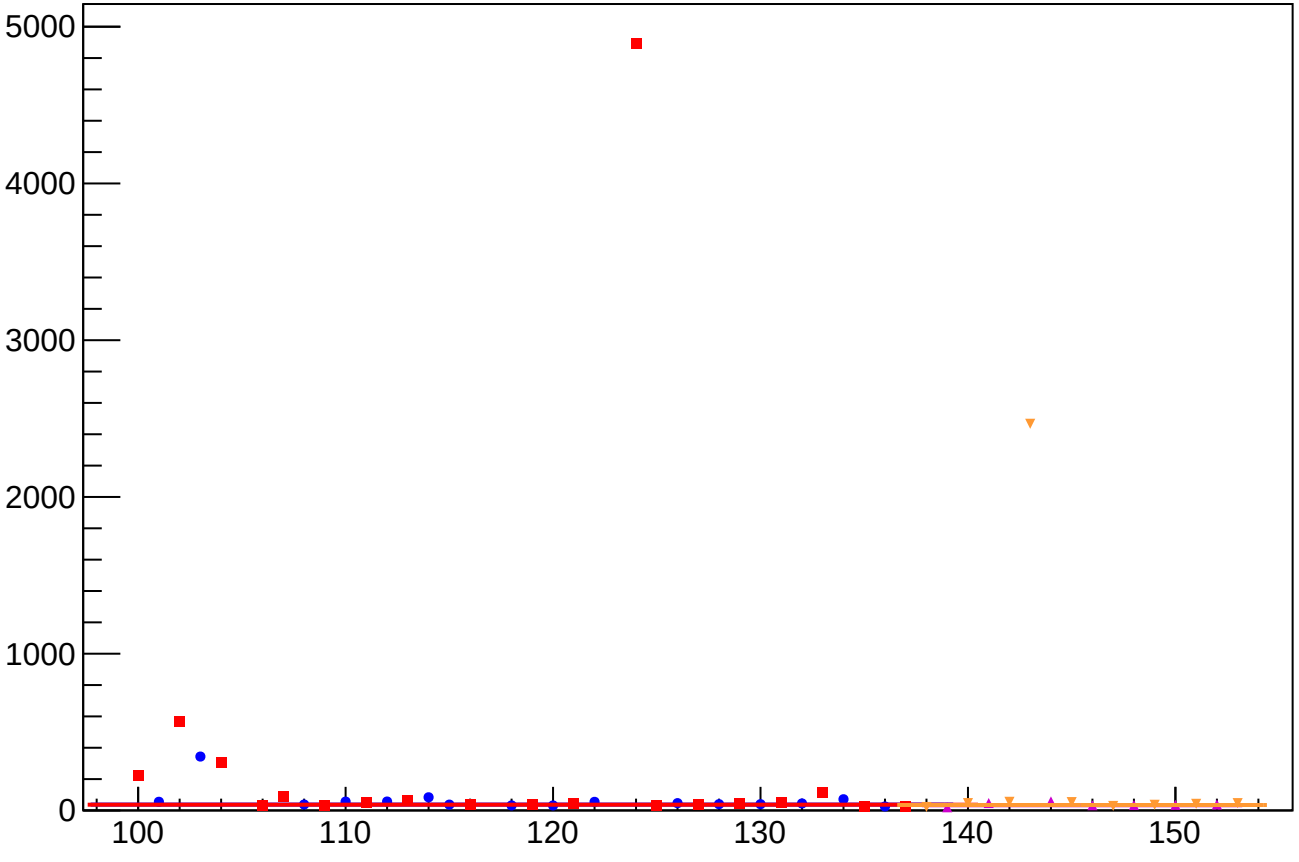
Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.011+/-0.011 χ^2/NDF: 33.1/24

All: 0.007+/-0.008 χ^2/NDF: 51.7/50

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.750+/-0.011 χ^2/NDF:2595625.7/8

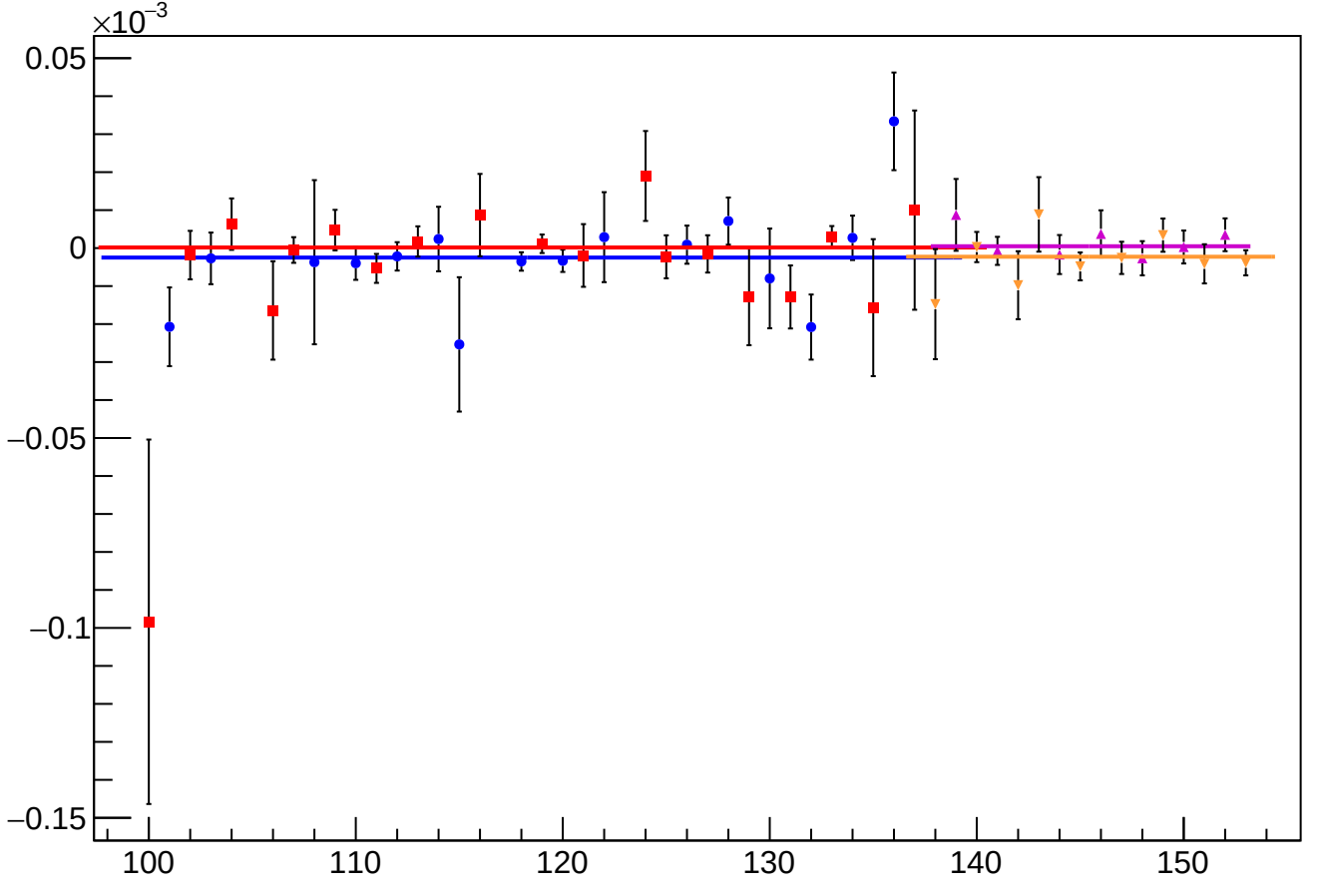
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

+ sign 36.067+/-0.008 χ^2/NDF: 4609206.0/24

All: 35.443+/-0.006 χ^2/NDF: 8801300.8/50

- sign 34.820+/-0.008 χ^2/NDF: 4179555.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/8

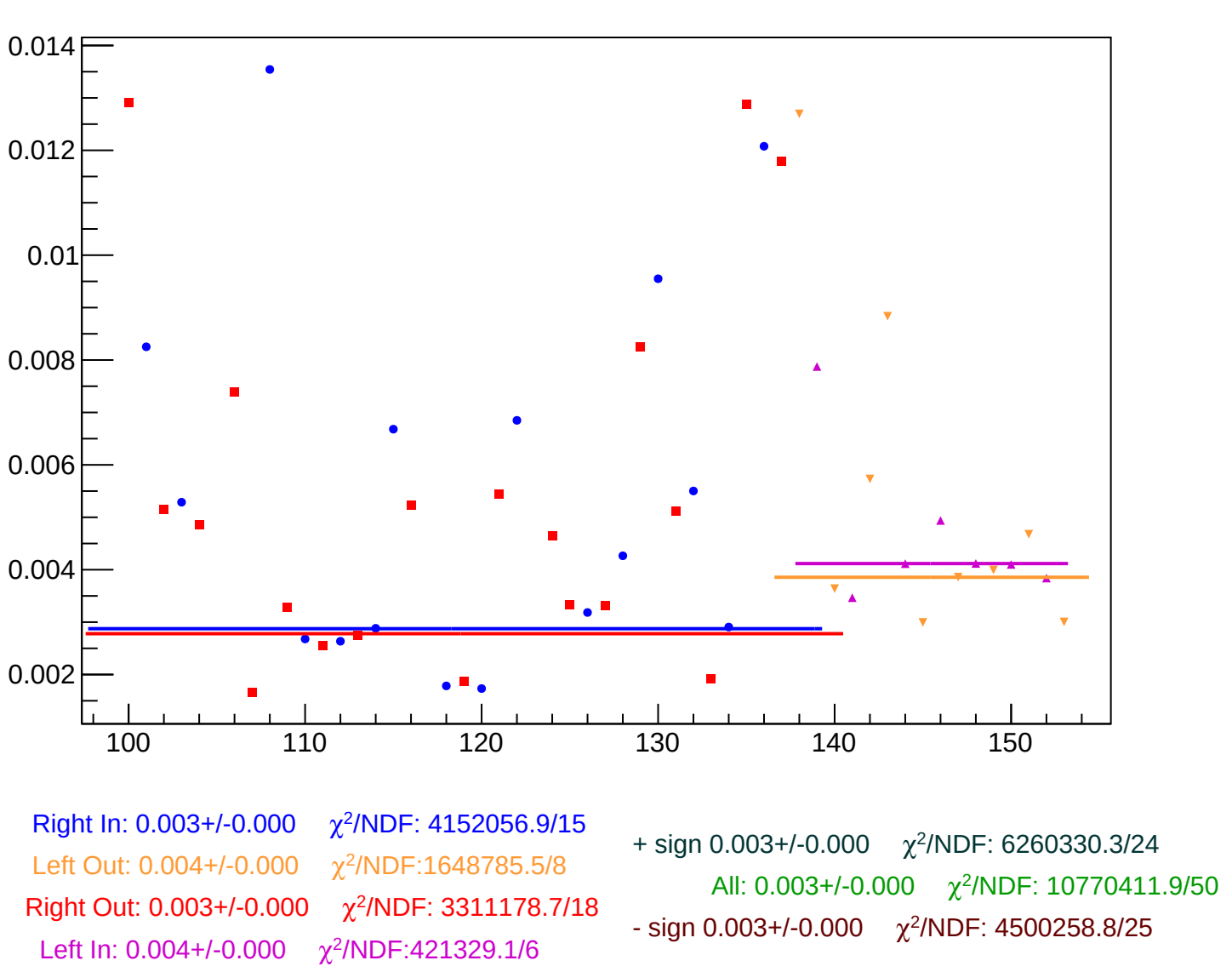
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

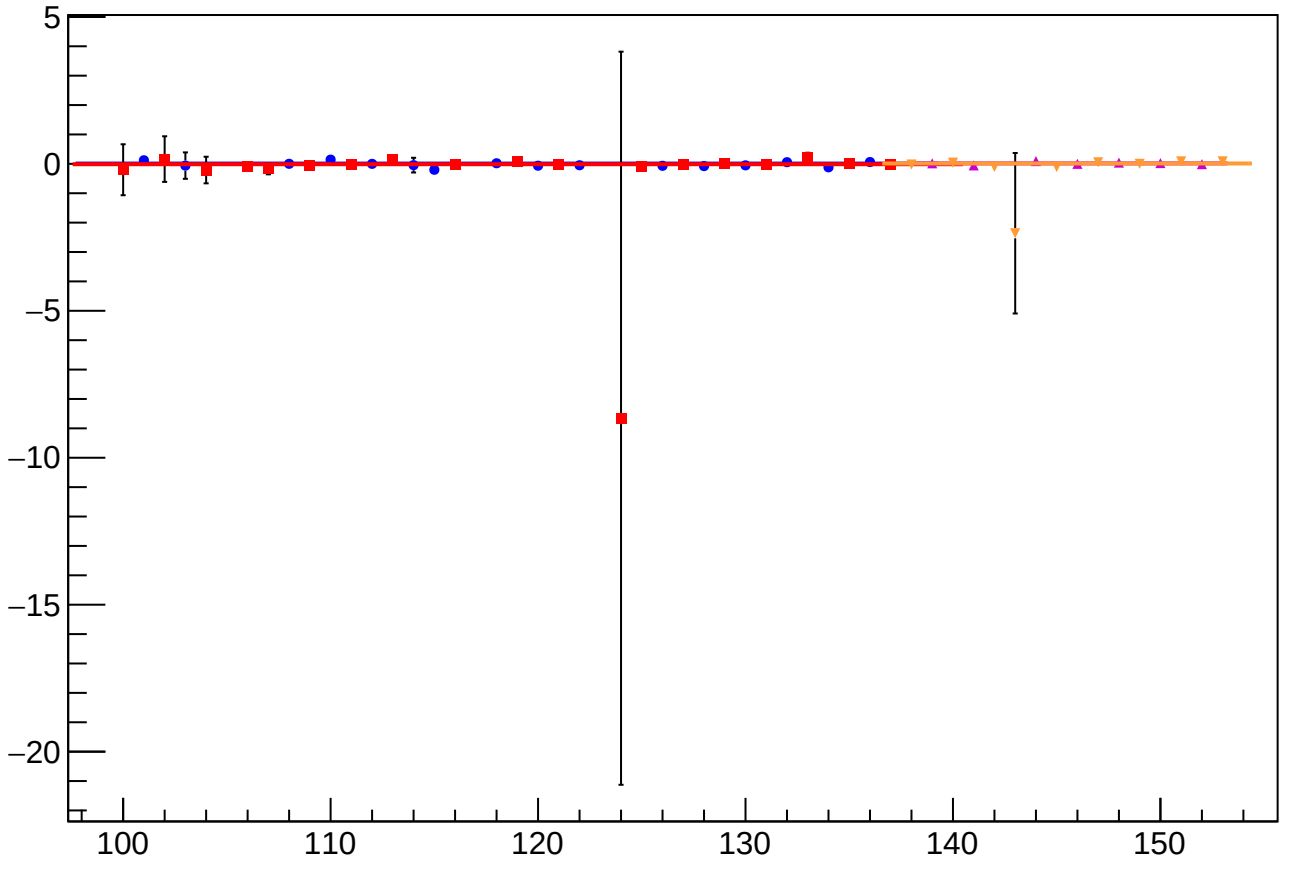
Left In: 0.000+/-0.000 χ^2/NDF:2.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/24

All: -0.000+/-0.000 χ^2/NDF: 52.3/50

- sign 0.000+/-0.000 χ^2/NDF: 21.2/25


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:1648785.5/8
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:421329.1/6
+ sign 0.003+/-0.000 χ²/NDF: 6260330.3/24
All: 0.003+/-0.000 χ²/NDF: 10770411.9/50
- sign 0.003+/-0.000 χ²/NDF: 4500258.8/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.013+/-0.015 χ^2/NDF:13.8/8

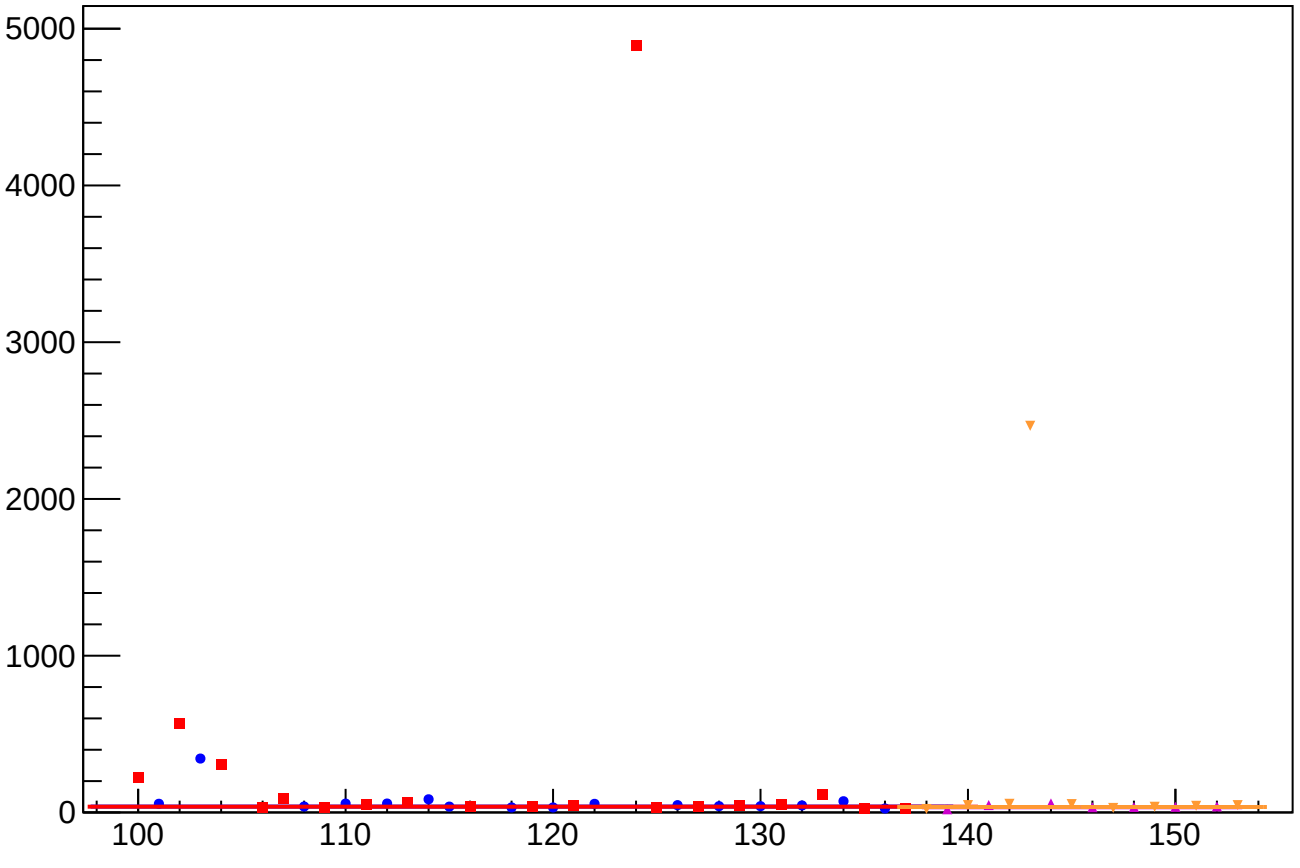
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.011+/-0.011 χ^2/NDF: 33.1/24

All: 0.007+/-0.008 χ^2/NDF: 51.7/50

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.747+/-0.011 χ^2/NDF:2596051.4/8

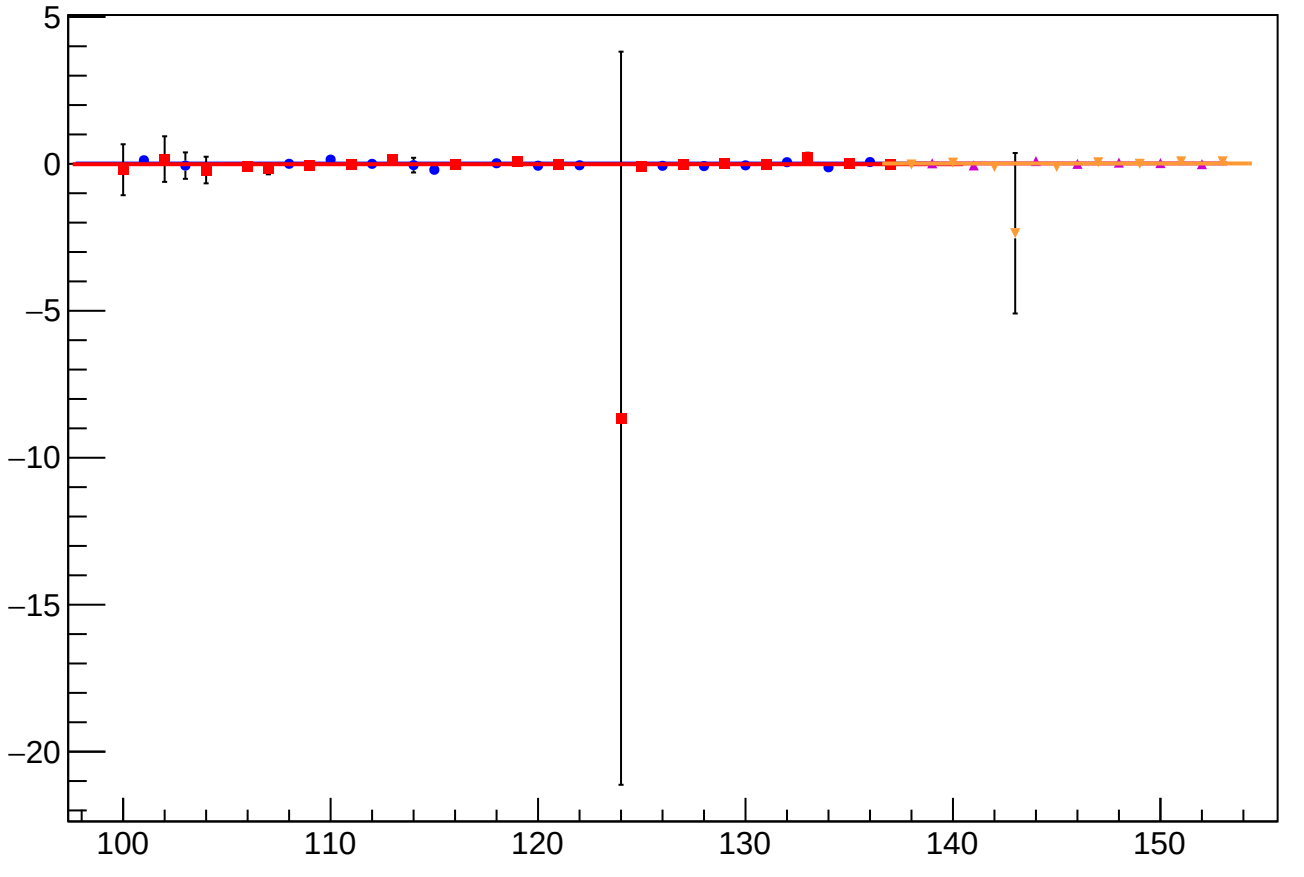
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

+ sign 36.066+/-0.008 χ^2/NDF: 4609639.4/24

All: 35.444+/-0.006 χ^2/NDF: 8800459.4/50

- sign 34.823+/-0.008 χ^2/NDF: 4178369.5/25



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

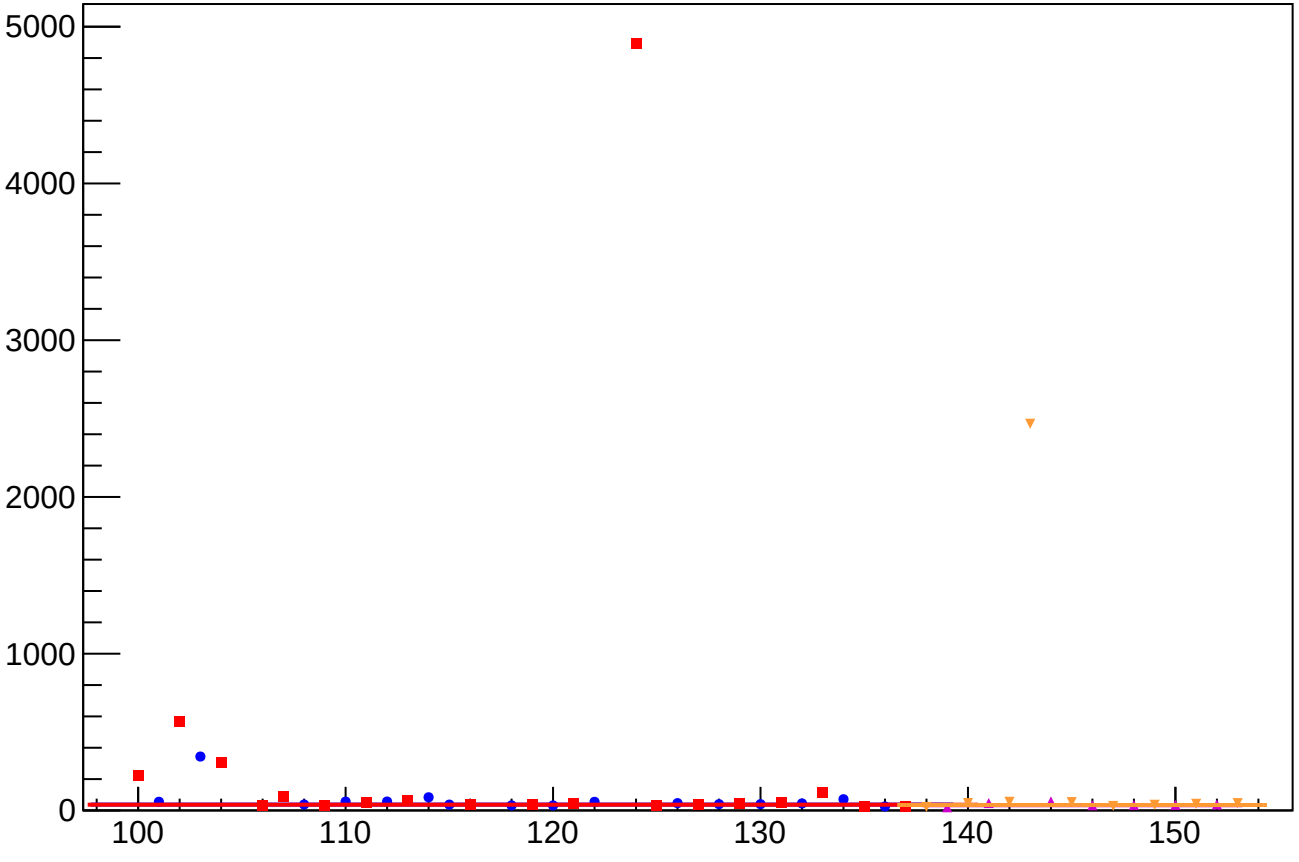
Left In: 0.015+/-0.015 χ^2/NDF:4.3/6

+ sign 0.011+/-0.011 χ^2/NDF: 33.1/24

All: 0.007+/-0.008 χ^2/NDF: 51.7/50

- sign 0.003+/-0.011 χ^2/NDF: 18.4/25

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.747+/-0.011 χ^2/NDF:2596051.4/8

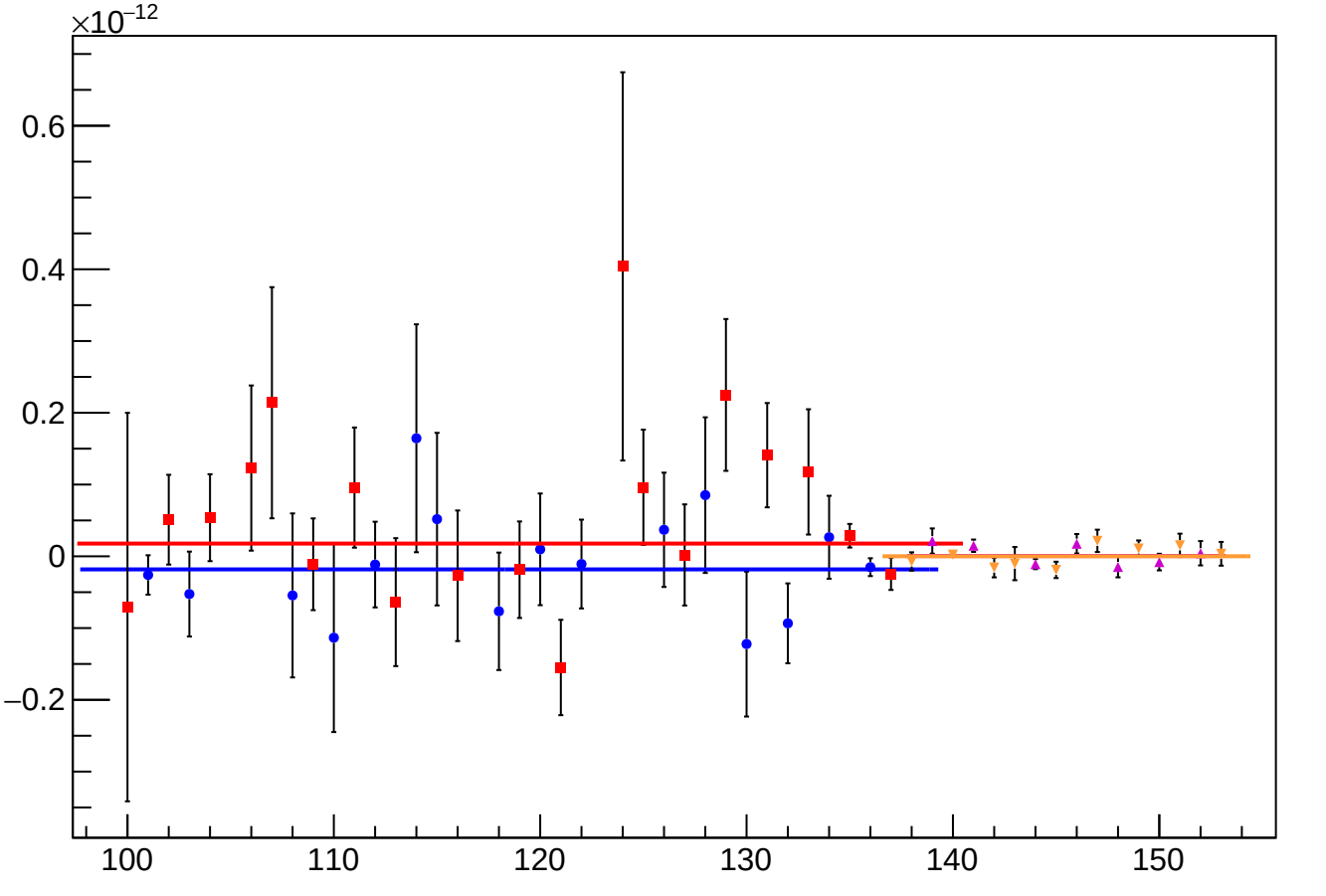
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

+ sign 36.066+/-0.008 χ^2/NDF: 4609639.4/24

All: 35.444+/-0.006 χ^2/NDF: 8800459.4/50

- sign 34.823+/-0.008 χ^2/NDF: 4178369.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.5/8

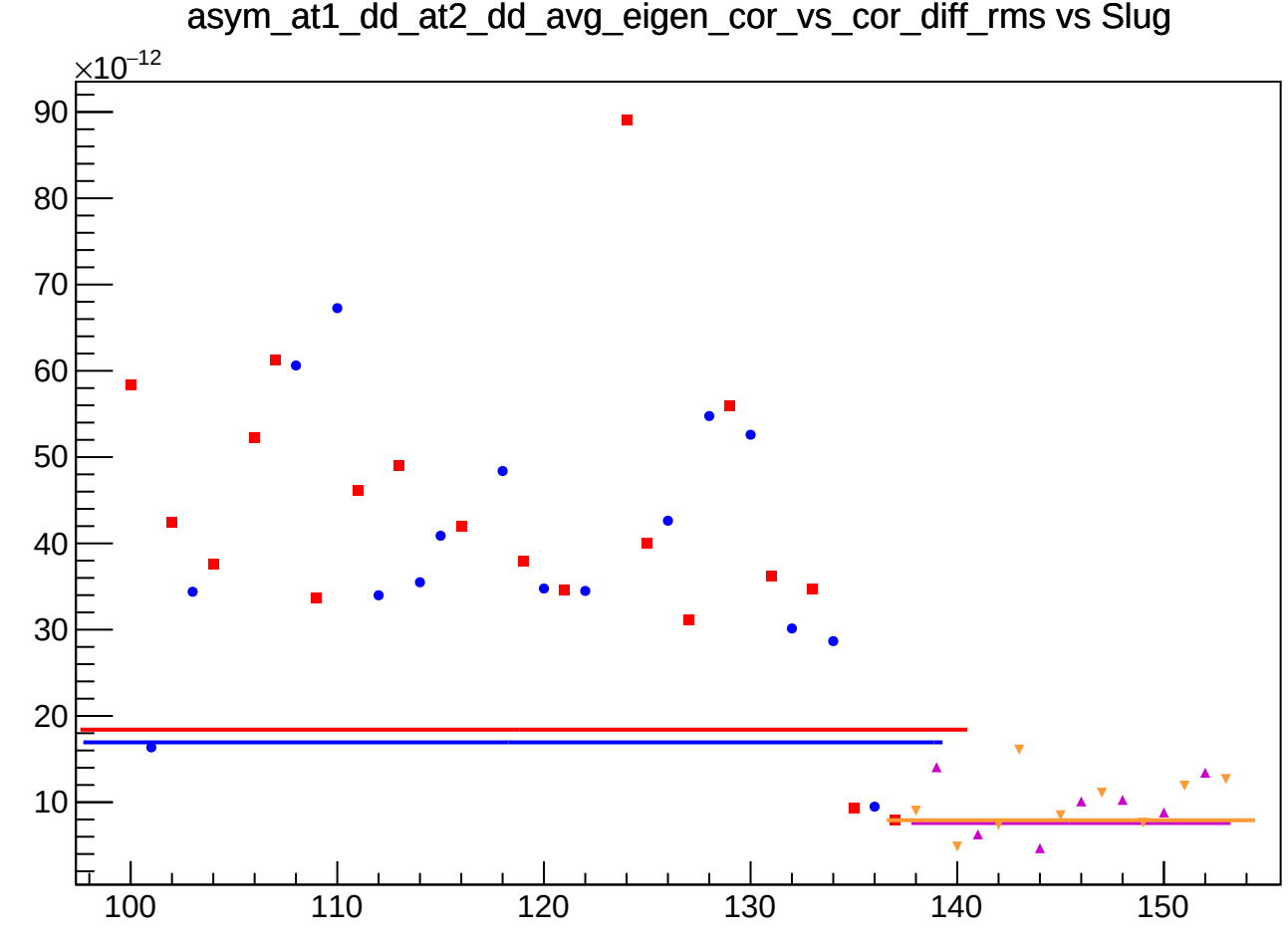
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.7/24

All: -0.000+/-0.000 χ^2/NDF: 60.1/50

- sign 0.000+/-0.000 χ^2/NDF: 39.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1054639.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

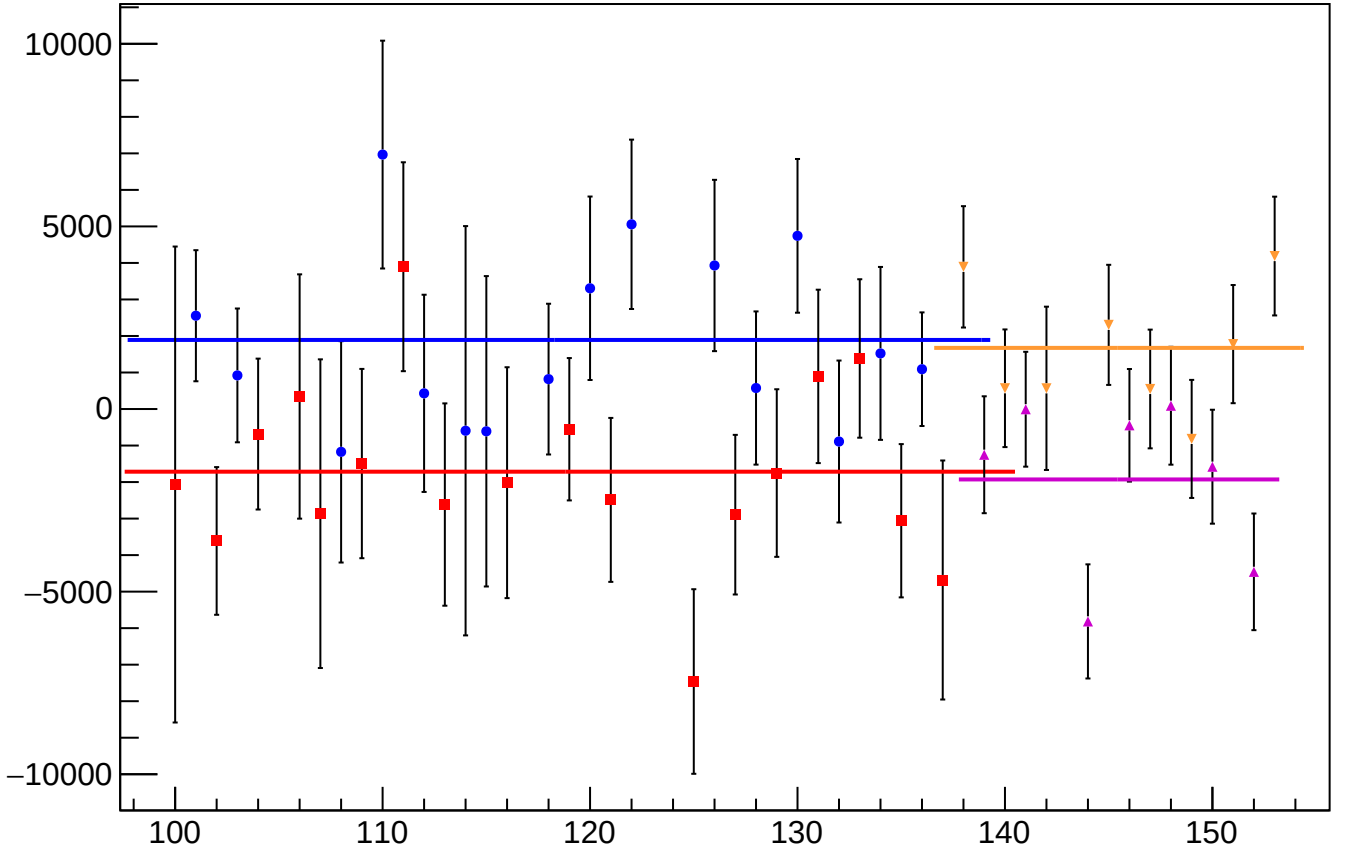
Left In: 0.000+/-0.000 χ^2/NDF:1056828.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 5688211.5/24

All: 0.000+/-0.000 χ^2/NDF: 12102924.1/50

- sign 0.000+/-0.000 χ^2/NDF: 6410537.9/25

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1673.943+/-593.482 χ^2/NDF:7.9/7

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

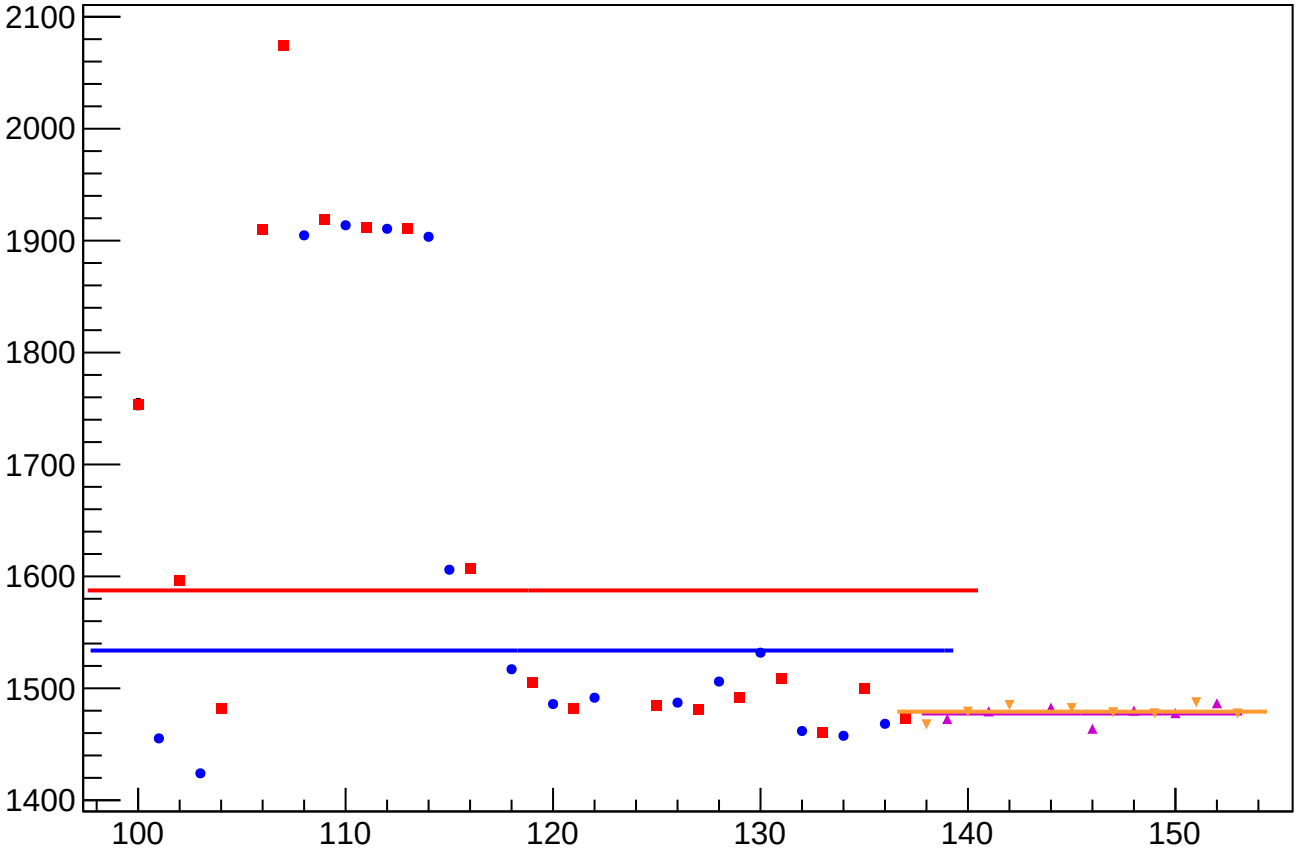
Left In: -1928.236+/-596.304 χ^2/NDF:12.9/6

+ sign 1786.661+/-411.941 χ^2/NDF: 20.2/23

All: 14.539+/-293.830 χ^2/NDF: 86.8/48

- sign -1820.858+/-419.231 χ^2/NDF: 28.9/24

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1479.148+/-0.420 χ^2/NDF:172.6/7

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

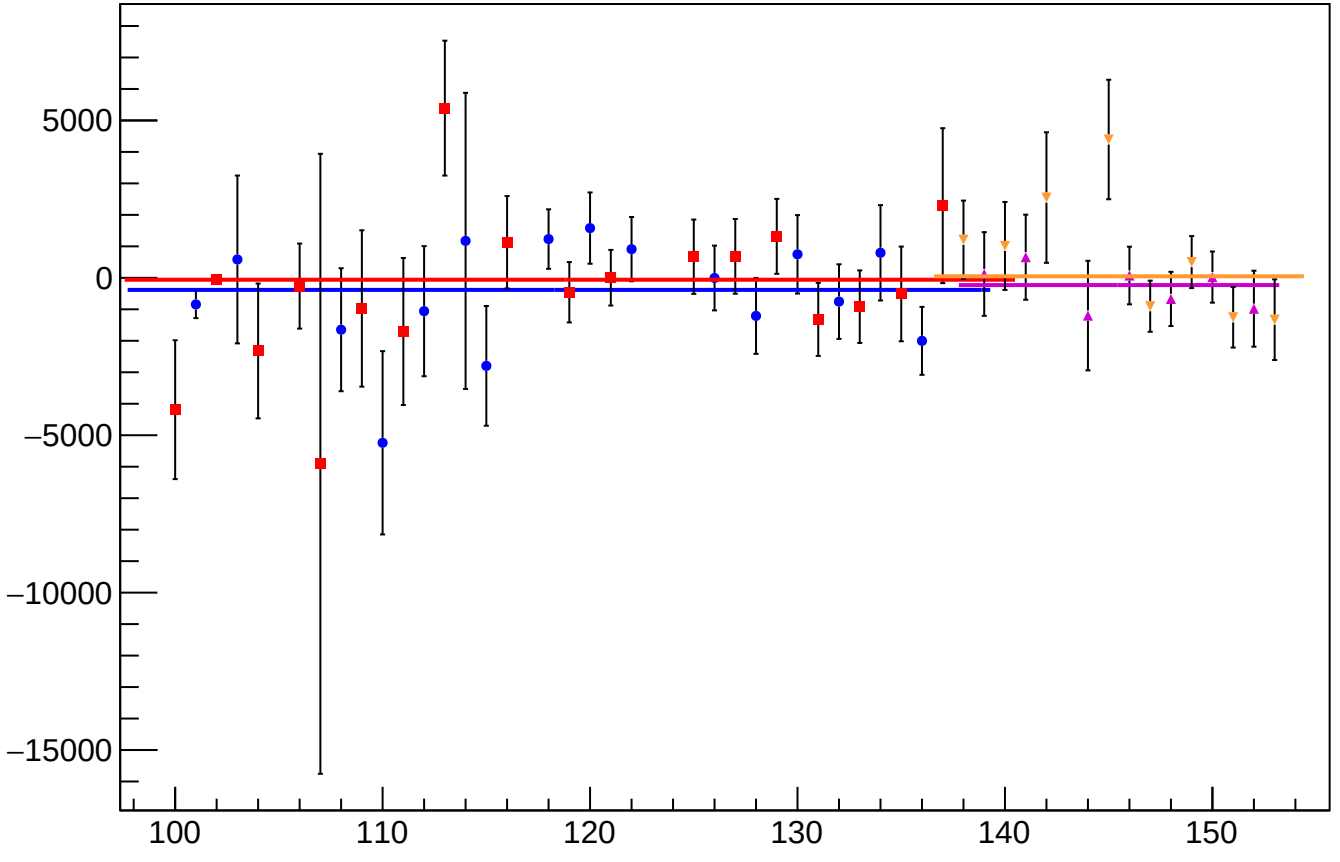
Left In: 1477.494+/-0.422 χ^2/NDF:272.0/6

+ sign 1507.454+/-0.291 χ^2/NDF: 138223.7/23

All: 1520.056+/-0.208 χ^2/NDF: 348692.1/48

- sign 1533.107+/-0.296 χ^2/NDF: 206658.6/24

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 49.484+/-397.175 χ^2/NDF:12.7/7

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

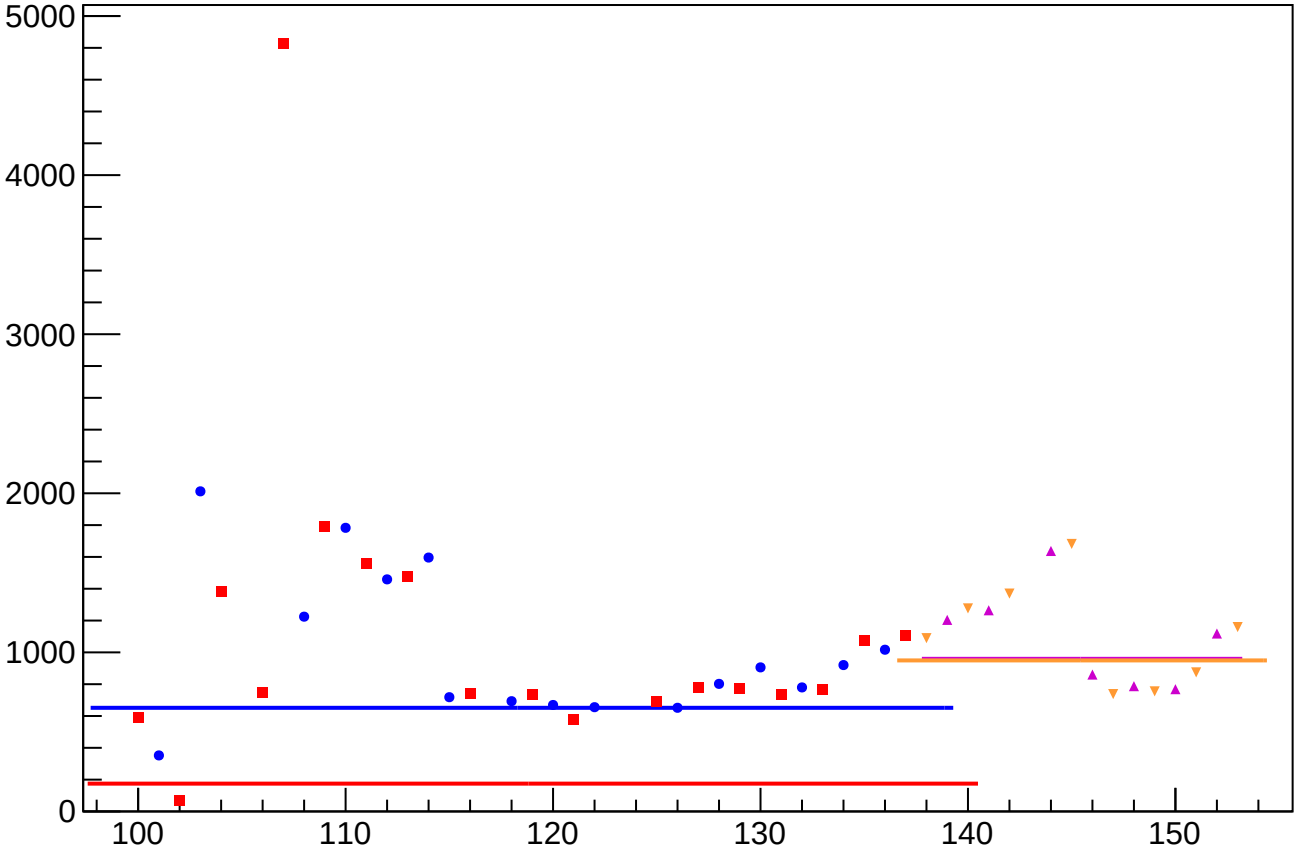
Left In: -229.737+/-402.008 χ^2/NDF:1.7/6

+ sign -244.634+/-224.535 χ^2/NDF: 31.7/23

All: -113.932+/-107.000 χ^2/NDF: 51.8/48

- sign -75.531+/-121.708 χ^2/NDF: 19.6/24

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 949.442+/-0.281 χ^2/NDF:826696.8/7

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

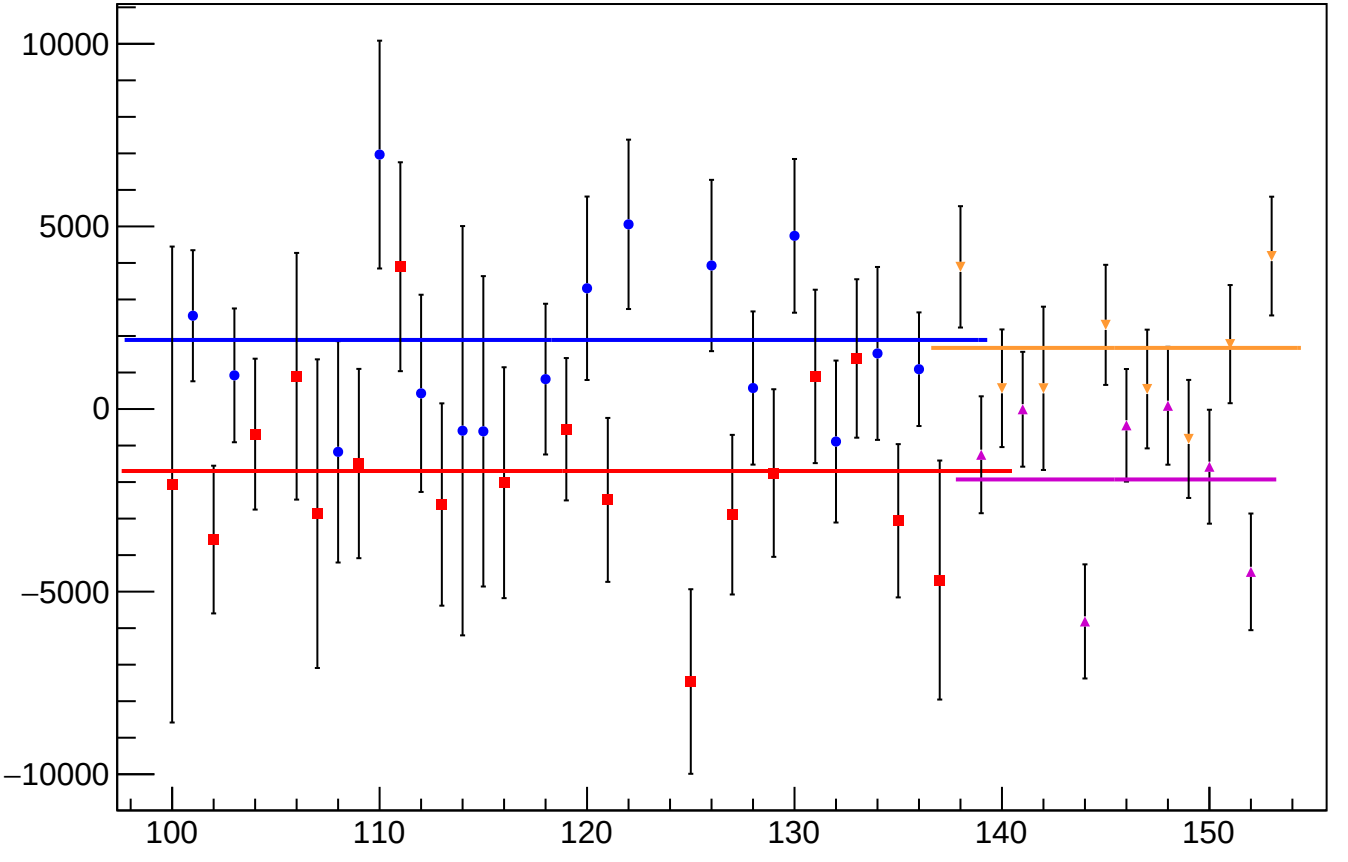
Left In: 959.451+/-0.284 χ^2/NDF:721449.6/6

+ sign 746.738+/-0.159 χ^2/NDF: 4354997.5/23

All: 360.336+/-0.076 χ^2/NDF: 29419994.5/48

- sign 246.808+/-0.086 χ^2/NDF: 17401836.8/24

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1673.815+/-593.482 χ^2/NDF:7.9/7

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

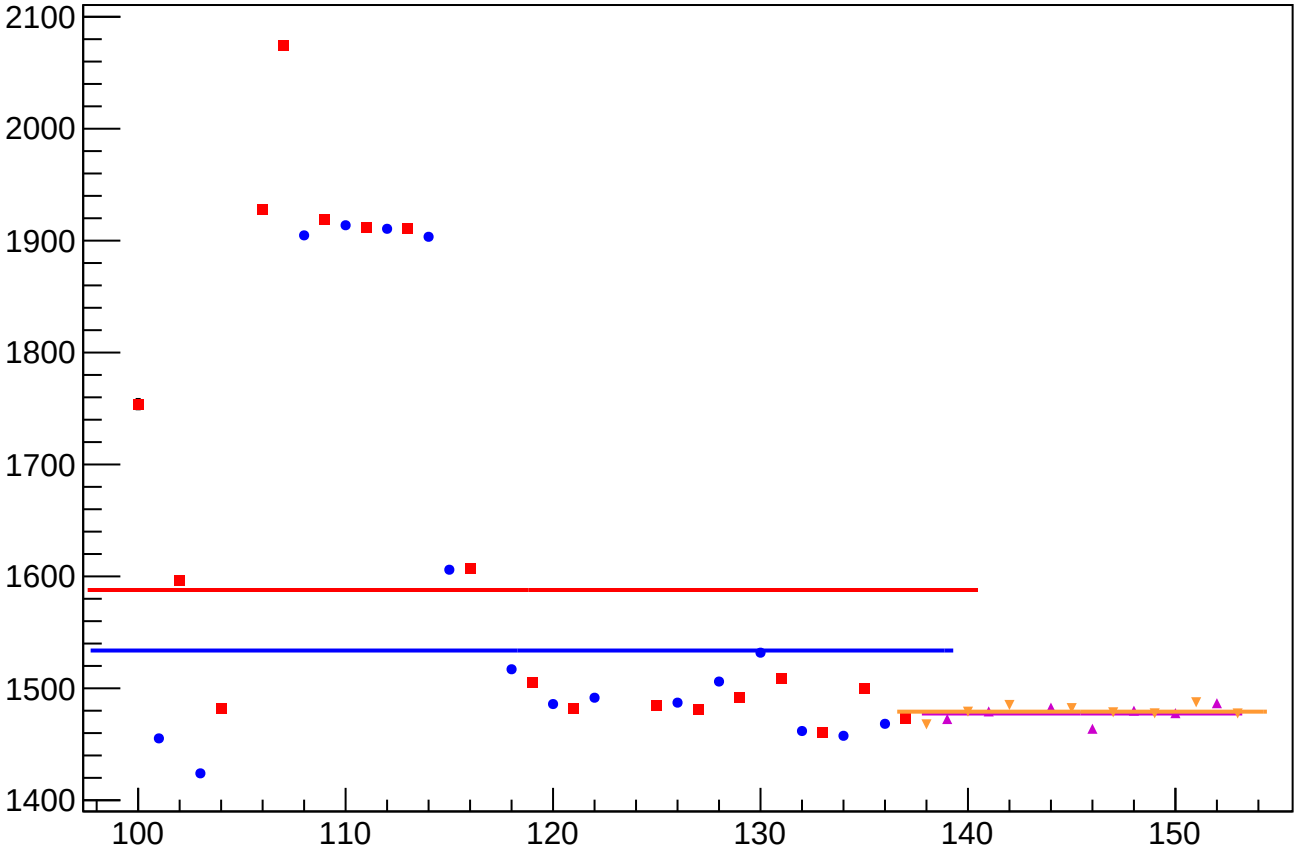
Left In: -1928.376+/-596.304 χ^2/NDF:12.9/6

+ sign 1786.654+/-411.941 χ^2/NDF: 20.2/23

All: 19.463+/-293.852 χ^2/NDF: 86.8/48

- sign -1811.393+/-419.296 χ^2/NDF: 29.1/24

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.148+/-0.420 χ^2/NDF:172.6/7

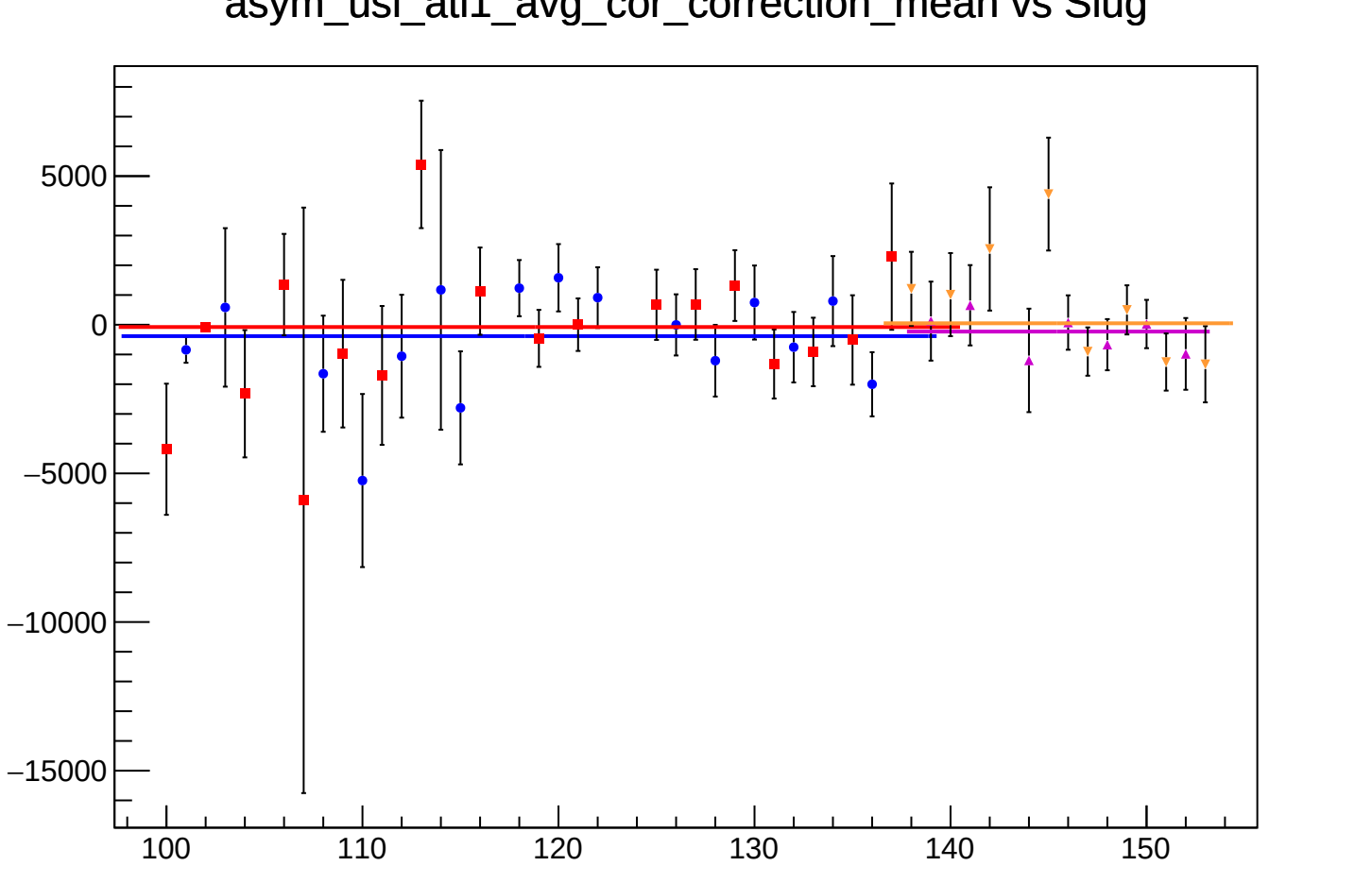
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.494+/-0.422 χ^2/NDF:272.0/6

+ sign 1507.454+/-0.291 χ^2/NDF: 138223.6/23

All: 1520.141+/-0.208 χ^2/NDF: 350753.8/48

- sign 1533.284+/-0.296 χ^2/NDF: 208668.0/24



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 49.273+/-397.179 χ^2/NDF:12.7/7

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

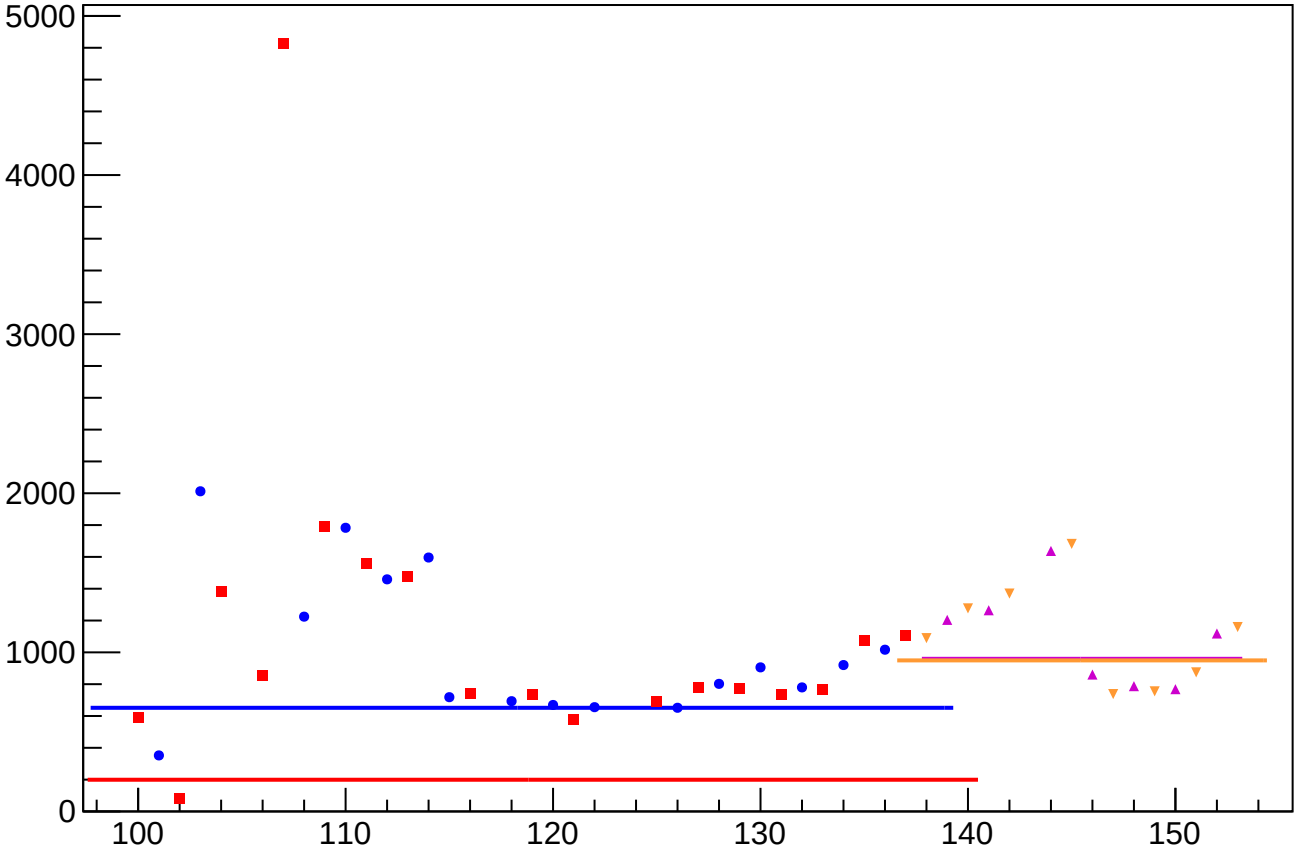
Left In: -229.798+/-402.008 χ^2/NDF:1.7/6

+ sign -244.685+/-224.536 χ^2/NDF: 31.7/23

All: -131.299+/-112.918 χ^2/NDF: 52.3/48

- sign -92.916+/-130.640 χ^2/NDF: 20.3/24

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 949.451+/-0.281 χ^2/NDF:826676.8/7

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

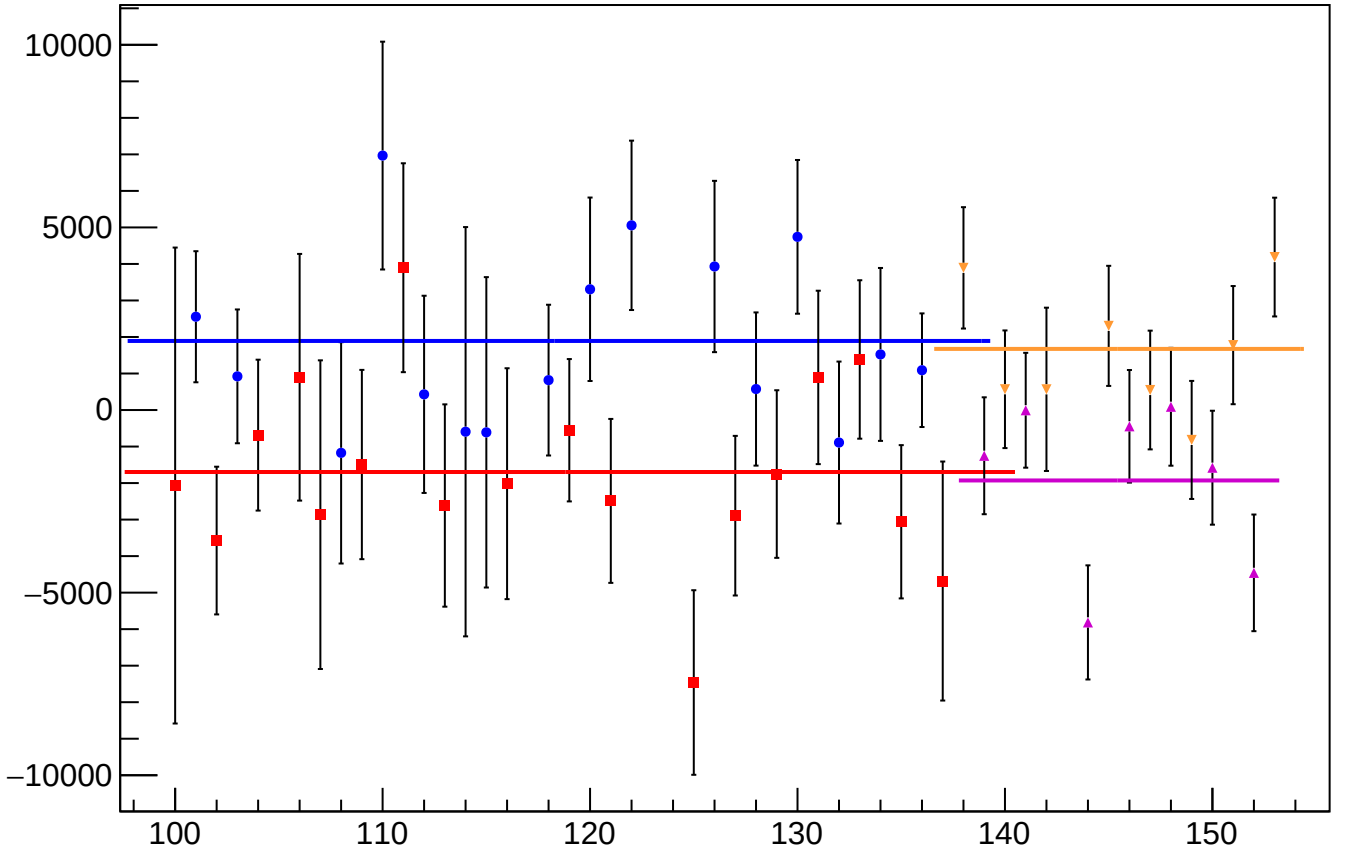
Left In: 959.447+/-0.284 χ^2/NDF:721472.9/6

+ sign 746.738+/-0.159 χ^2/NDF: 4355049.5/23

All: 397.751+/-0.080 χ^2/NDF: 27223208.5/48

- sign 279.614+/-0.092 χ^2/NDF: 16401208.3/24

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1673.815+/-593.482 χ^2/NDF:7.9/7

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

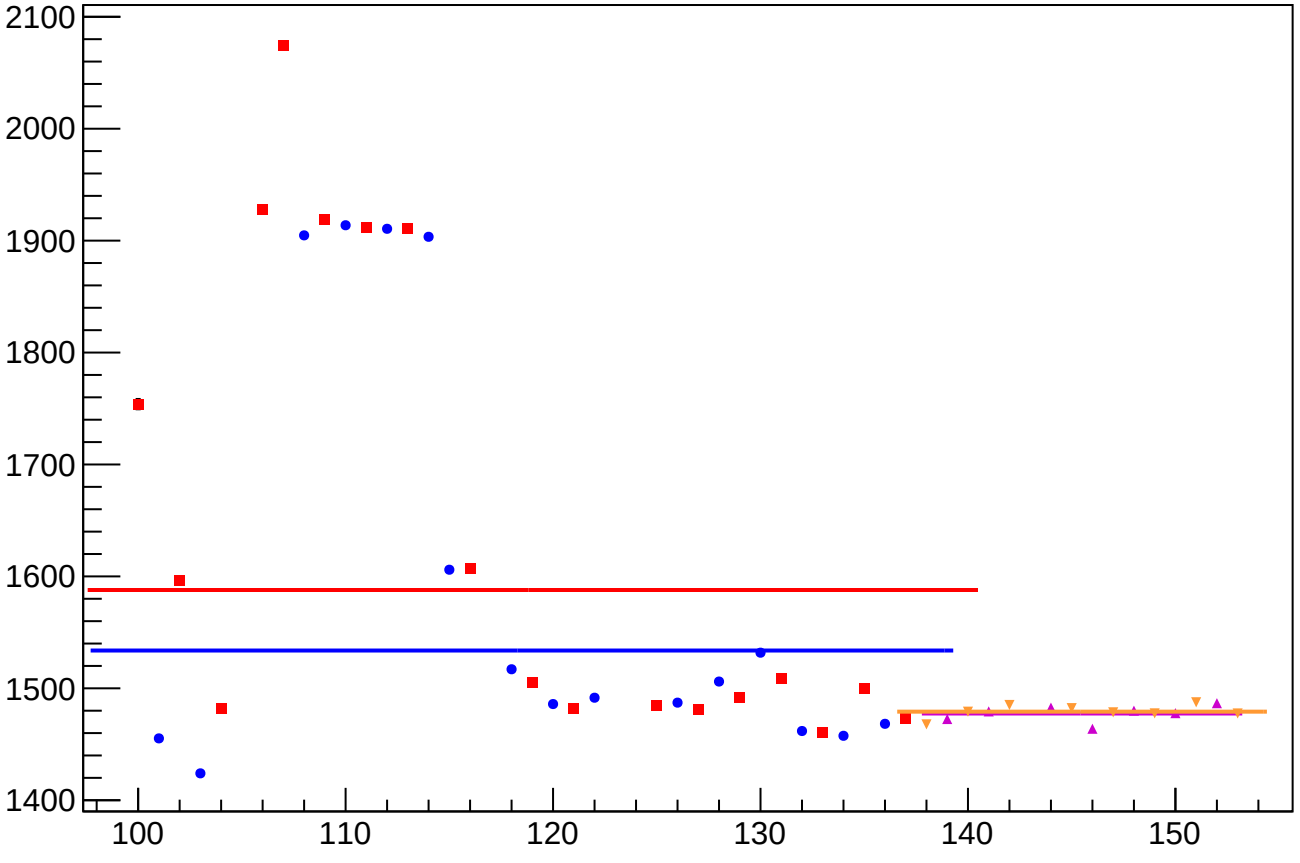
Left In: -1928.376+/-596.304 χ^2/NDF:12.9/6

+ sign 1786.654+/-411.941 χ^2/NDF: 20.2/23

All: 19.463+/-293.852 χ^2/NDF: 86.8/48

- sign -1811.393+/-419.296 χ^2/NDF: 29.1/24

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.148+/-0.420 χ^2/NDF:172.6/7

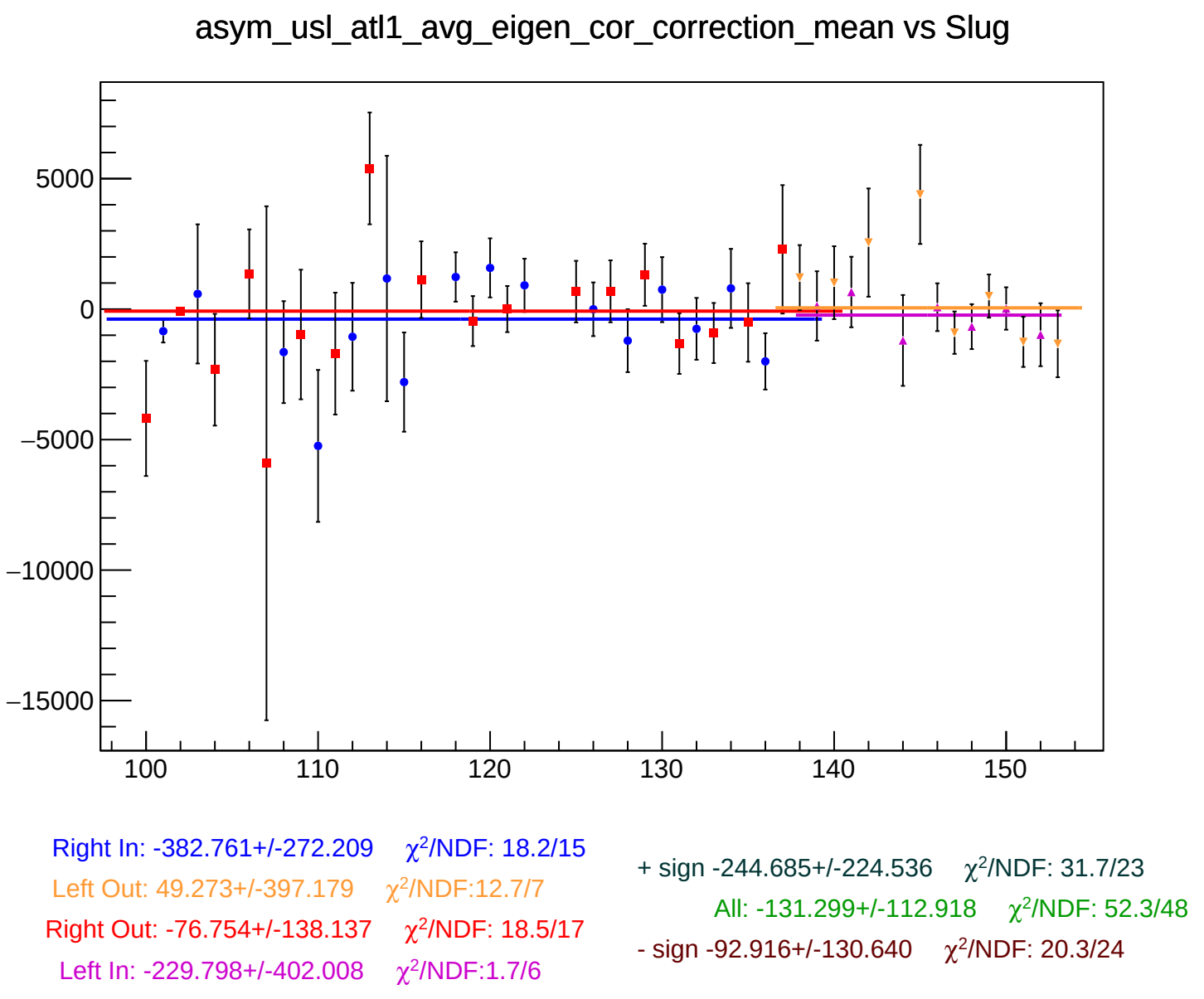
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.494+/-0.422 χ^2/NDF:272.0/6

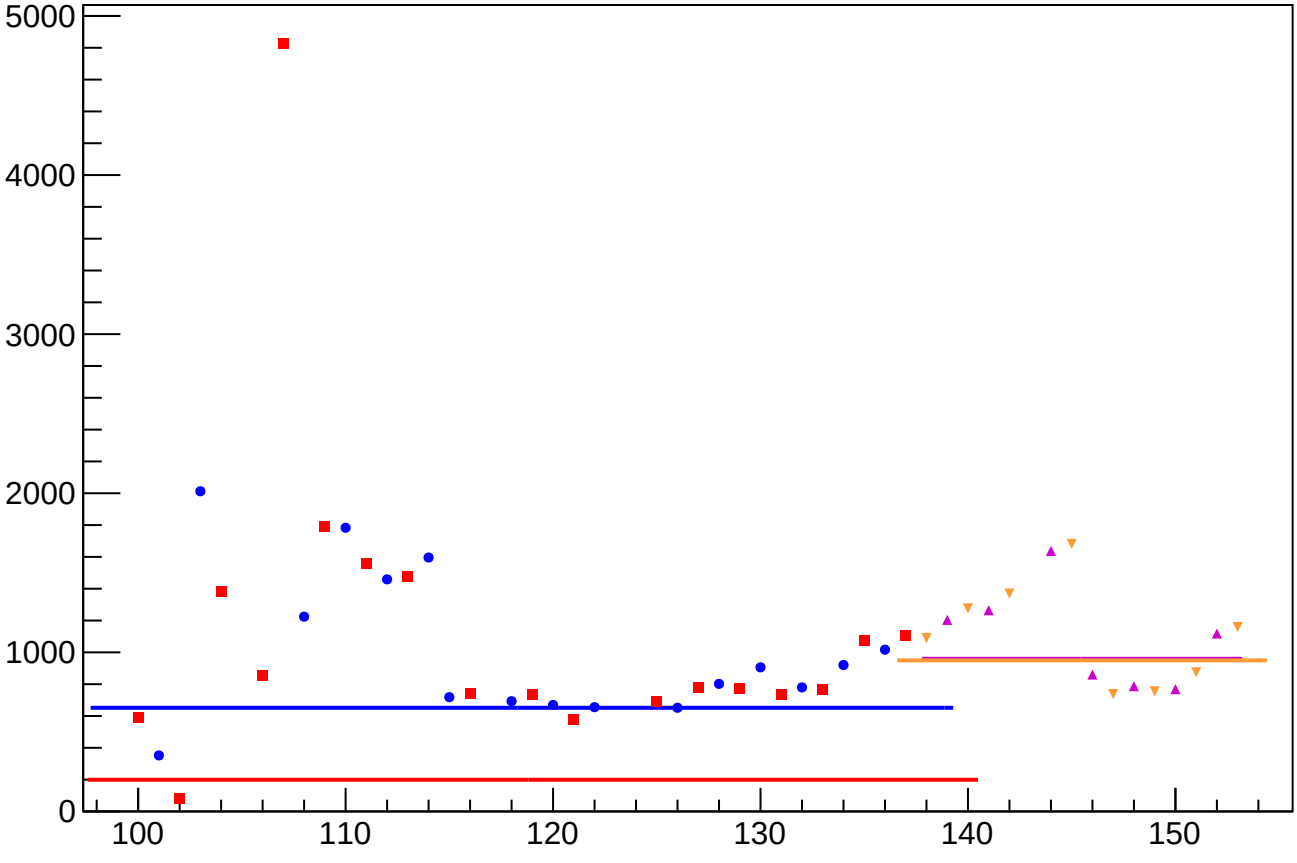
+ sign 1507.454+/-0.291 χ^2/NDF: 138223.6/23

All: 1520.141+/-0.208 χ^2/NDF: 350753.8/48

- sign 1533.284+/-0.296 χ^2/NDF: 208668.0/24


asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -382.761+/-272.209 χ²/NDF: 18.2/15
Left Out: 49.273+/-397.179 χ²/NDF:12.7/7
Right Out: -76.754+/-138.137 χ²/NDF: 18.5/17
Left In: -229.798+/-402.008 χ²/NDF:1.7/6
+ sign -244.685+/-224.536 χ²/NDF: 31.7/23
All: -131.299+/-112.918 χ²/NDF: 52.3/48
- sign -92.916+/-130.640 χ²/NDF: 20.3/24

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 949.451+/-0.281 χ^2/NDF:826676.8/7

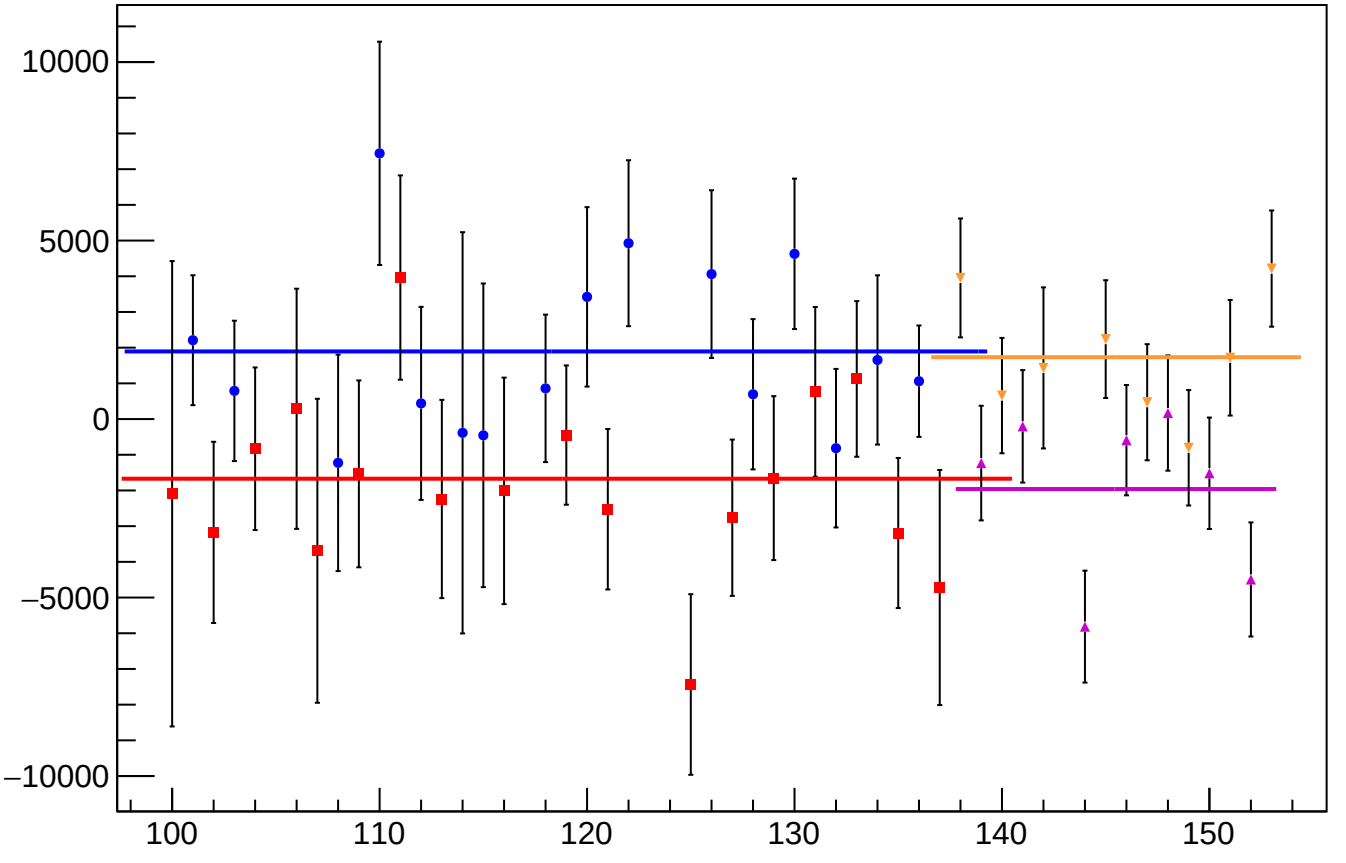
Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 959.447+/-0.284 χ^2/NDF:721472.9/6

+ sign 746.738+/-0.159 χ^2/NDF: 4355049.5/23

All: 397.751+/-0.080 χ^2/NDF: 27223208.5/48

- sign 279.614+/-0.092 χ^2/NDF: 16401208.3/24



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1733.038+/-594.756 χ^2/NDF:7.7/7

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

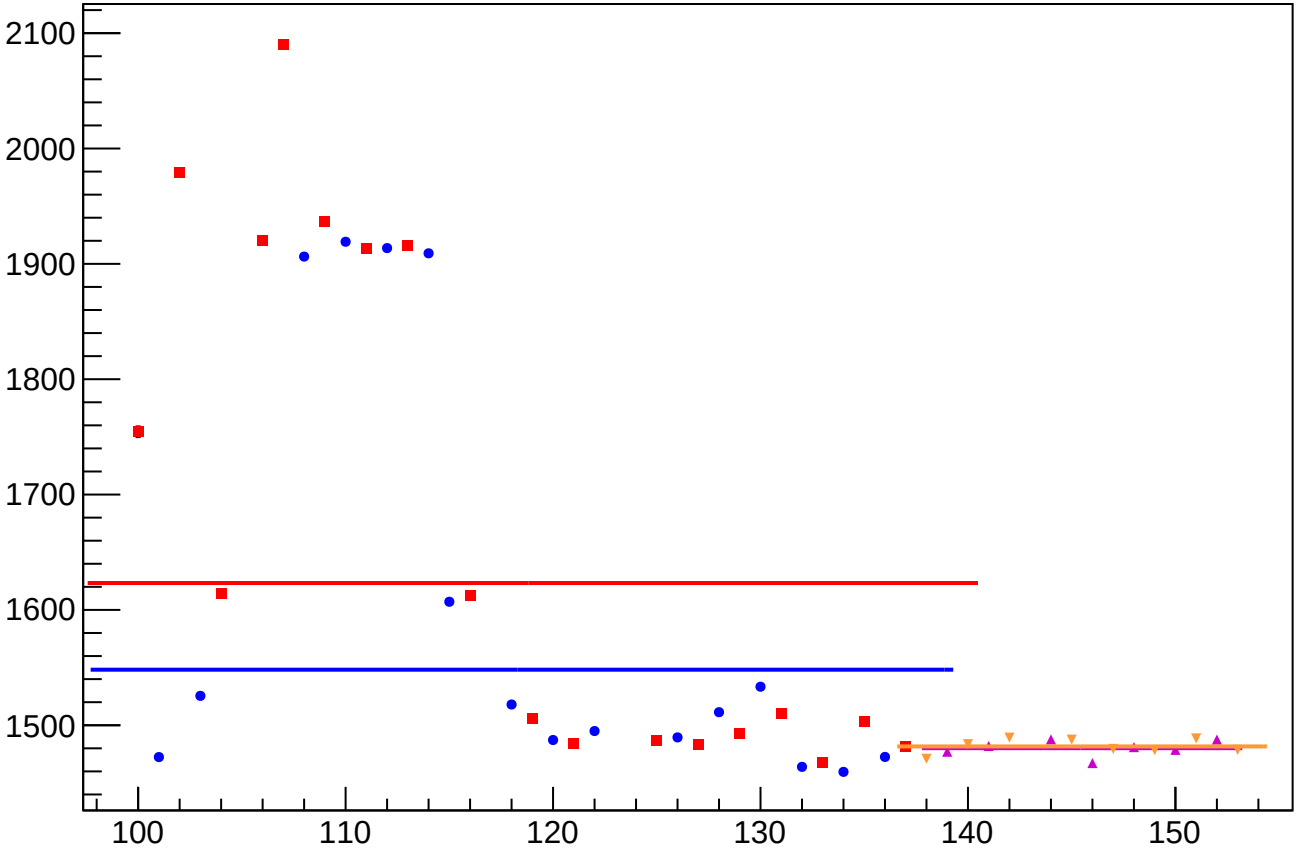
Left In: -1959.894+/-597.379 χ^2/NDF:12.6/6

+ sign 1815.958+/-414.369 χ^2/NDF: 20.0/23

All: 45.485+/-296.698 χ^2/NDF: 85.3/48

- sign -1817.207+/-425.023 χ^2/NDF: 27.8/24

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1481.657+/-0.421 χ^2/NDF:188.4/7

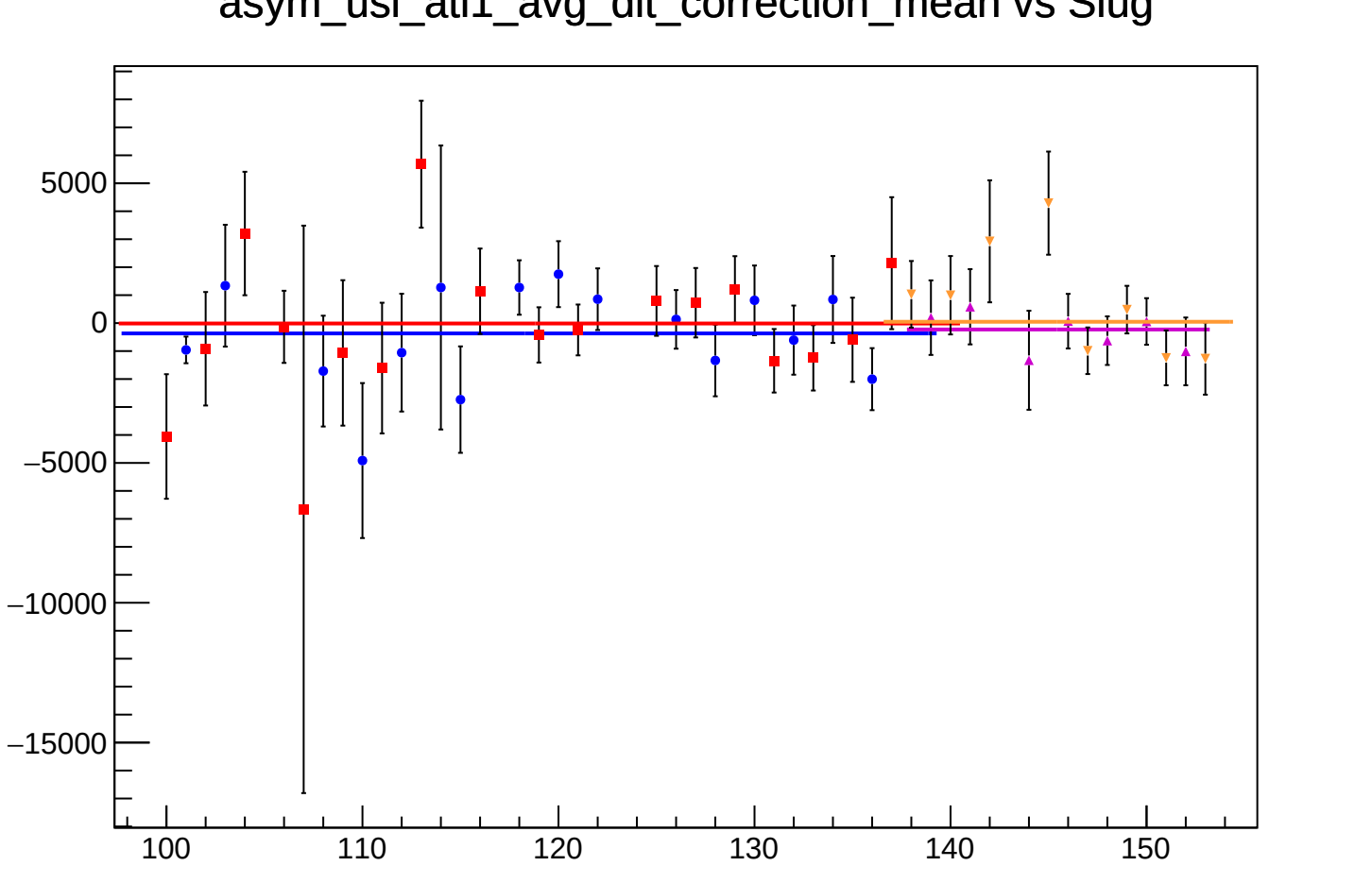
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1480.119+/-0.422 χ^2/NDF:243.1/6

+ sign 1515.887+/-0.293 χ^2/NDF: 132967.1/23

All: 1532.918+/-0.210 χ^2/NDF: 408436.2/48

- sign 1550.836+/-0.301 χ^2/NDF: 268535.7/24



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 47.802+/-402.151 χ^2/NDF:12.8/7

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

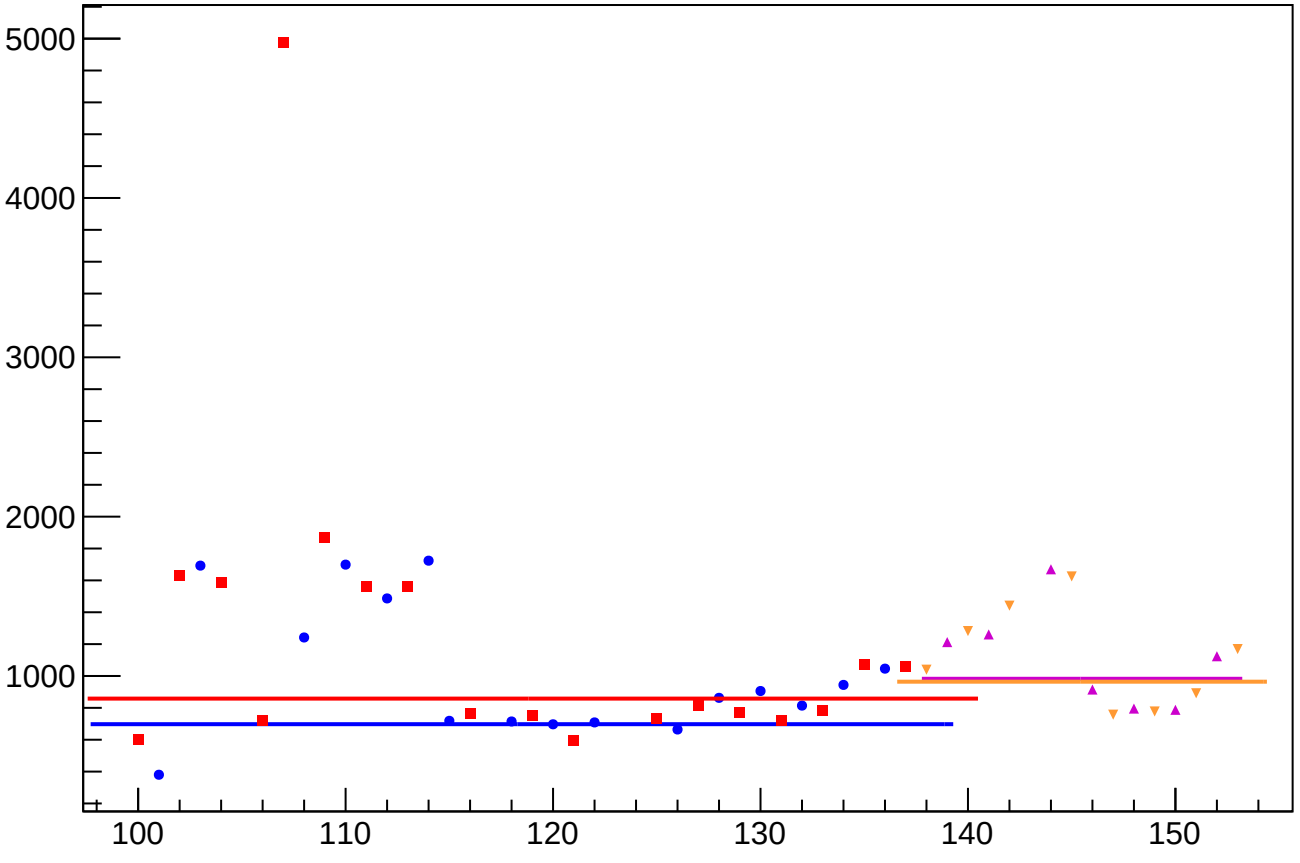
Left In: -228.243+/-410.583 χ^2/NDF:1.7/6

\+ sign -228.433+/-233.382 χ^2/NDF: 32.4/23

All: -172.400+/-174.440 χ^2/NDF: 53.4/48

\- sign -101.468+/-262.584 χ^2/NDF: 20.9/24

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 964.240+/-0.284 χ^2/NDF:744456.1/7

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

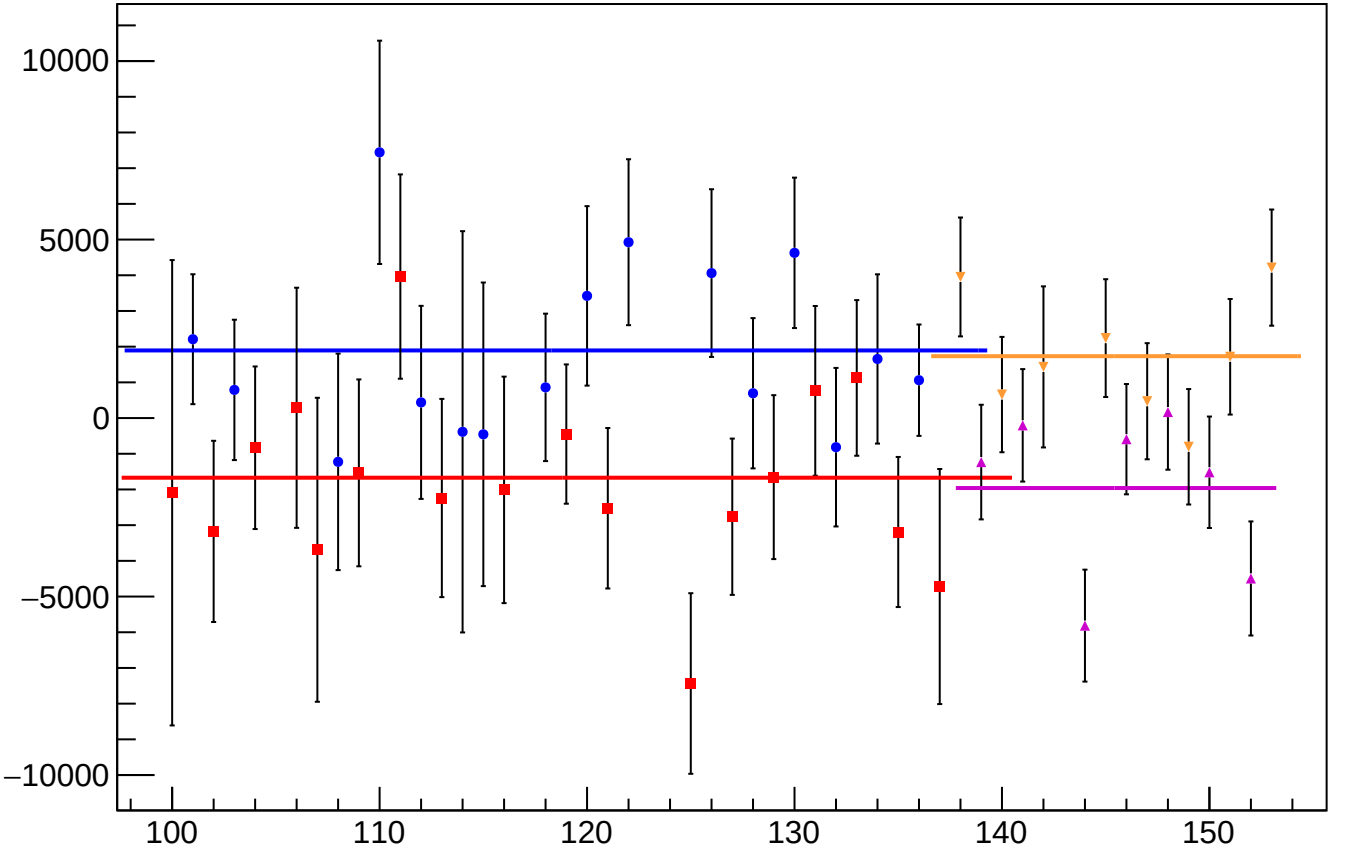
Left In: 982.423+/-0.290 χ^2/NDF:685098.5/6

+ sign 787.345+/-0.165 χ^2/NDF: 3763536.5/23

All: 841.011+/-0.123 χ^2/NDF: 6678801.9/48

- sign 908.947+/-0.186 χ^2/NDF: 2675641.7/24

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1733.038+/-594.756 χ^2/NDF:7.7/7

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

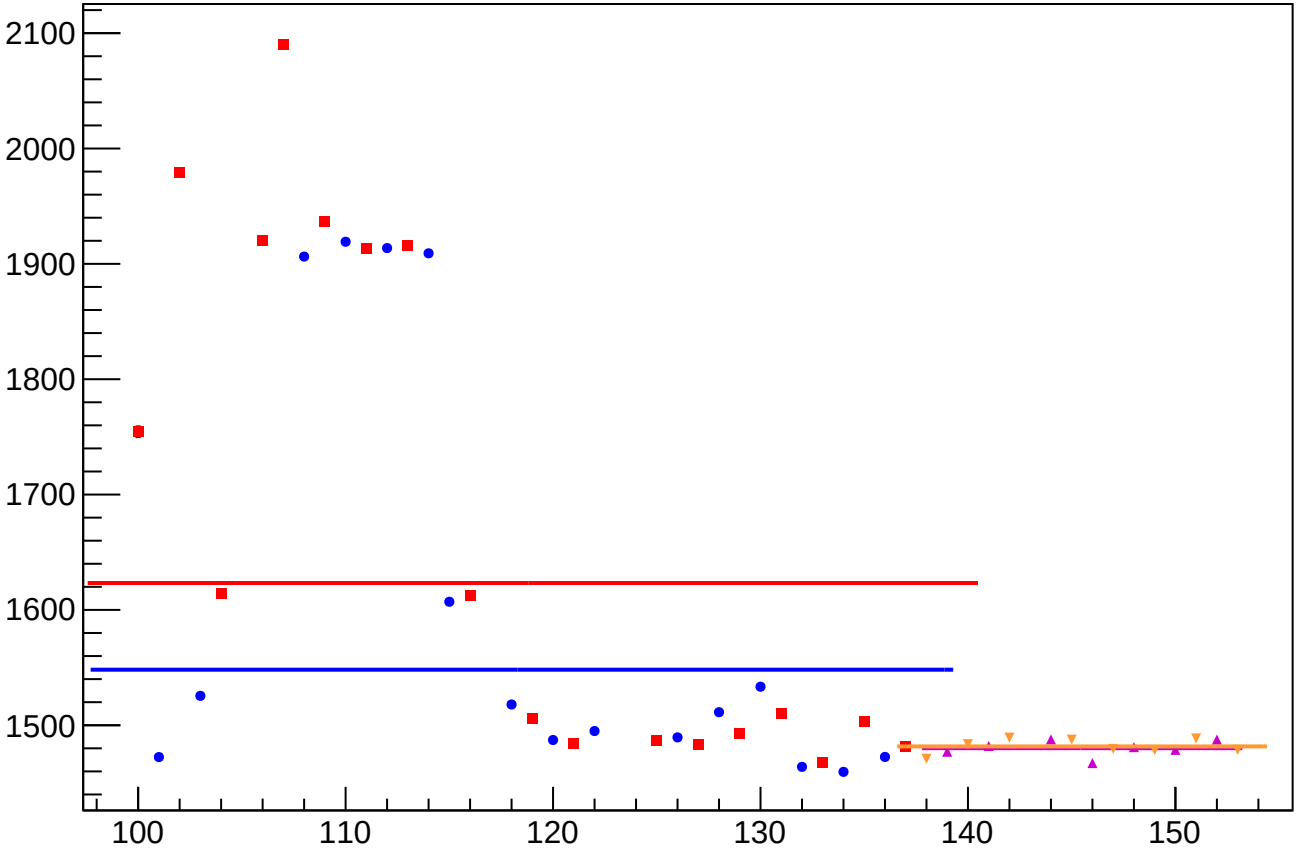
Left In: -1959.895+/-597.379 χ^2/NDF:12.6/6

+ sign 1815.957+/-414.368 χ^2/NDF: 20.0/23

All: 45.485+/-296.698 χ^2/NDF: 85.3/48

- sign -1817.206+/-425.023 χ^2/NDF: 27.8/24

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1481.657+/-0.421 χ^2/NDF:188.4/7

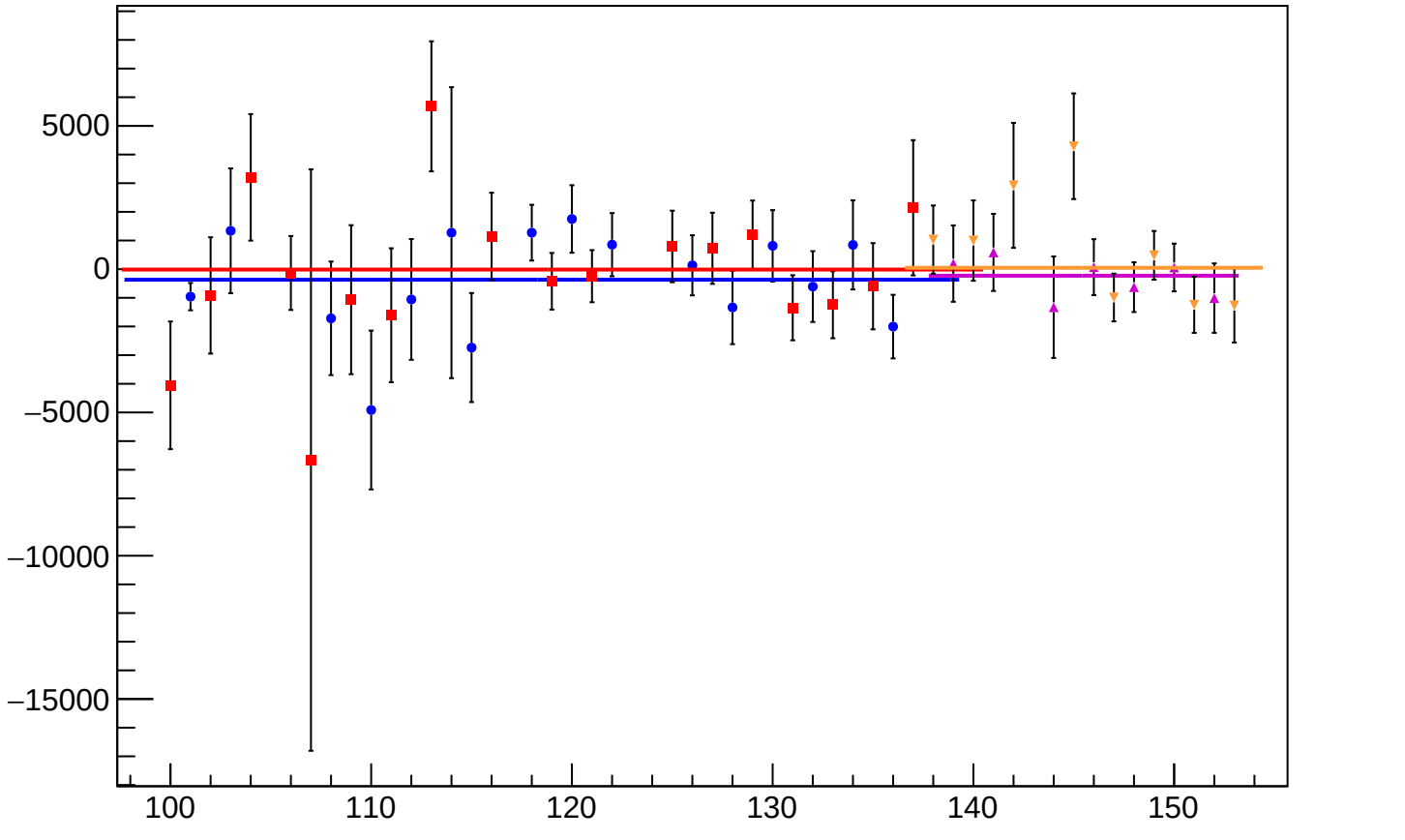
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1480.119+/-0.422 χ^2/NDF:243.1/6

+ sign 1515.887+/-0.293 χ^2/NDF: 132967.1/23

All: 1532.918+/-0.210 χ^2/NDF: 408435.8/48

- sign 1550.836+/-0.301 χ^2/NDF: 268535.3/24



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 47.799+/-402.152 χ^2/NDF:12.8/7

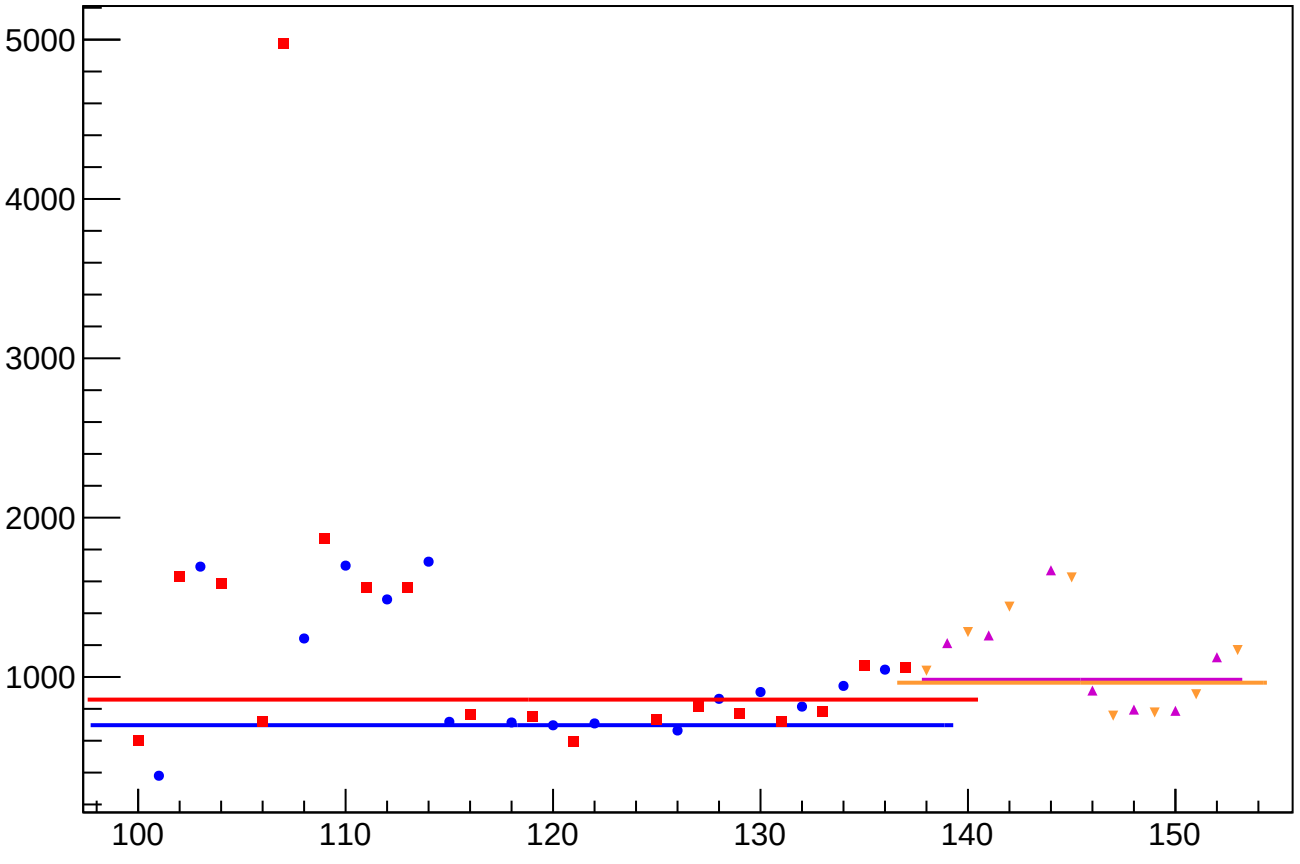
Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: -228.244+/-410.583 χ^2/NDF:1.7/6

+ sign -228.433+/-233.382 χ^2/NDF: 32.4/23

All: -172.401+/-174.440 χ^2/NDF: 53.4/48

- sign -101.468+/-262.584 χ^2/NDF: 20.9/24



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 964.241+/-0.284 χ^2/NDF:744454.8/7

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

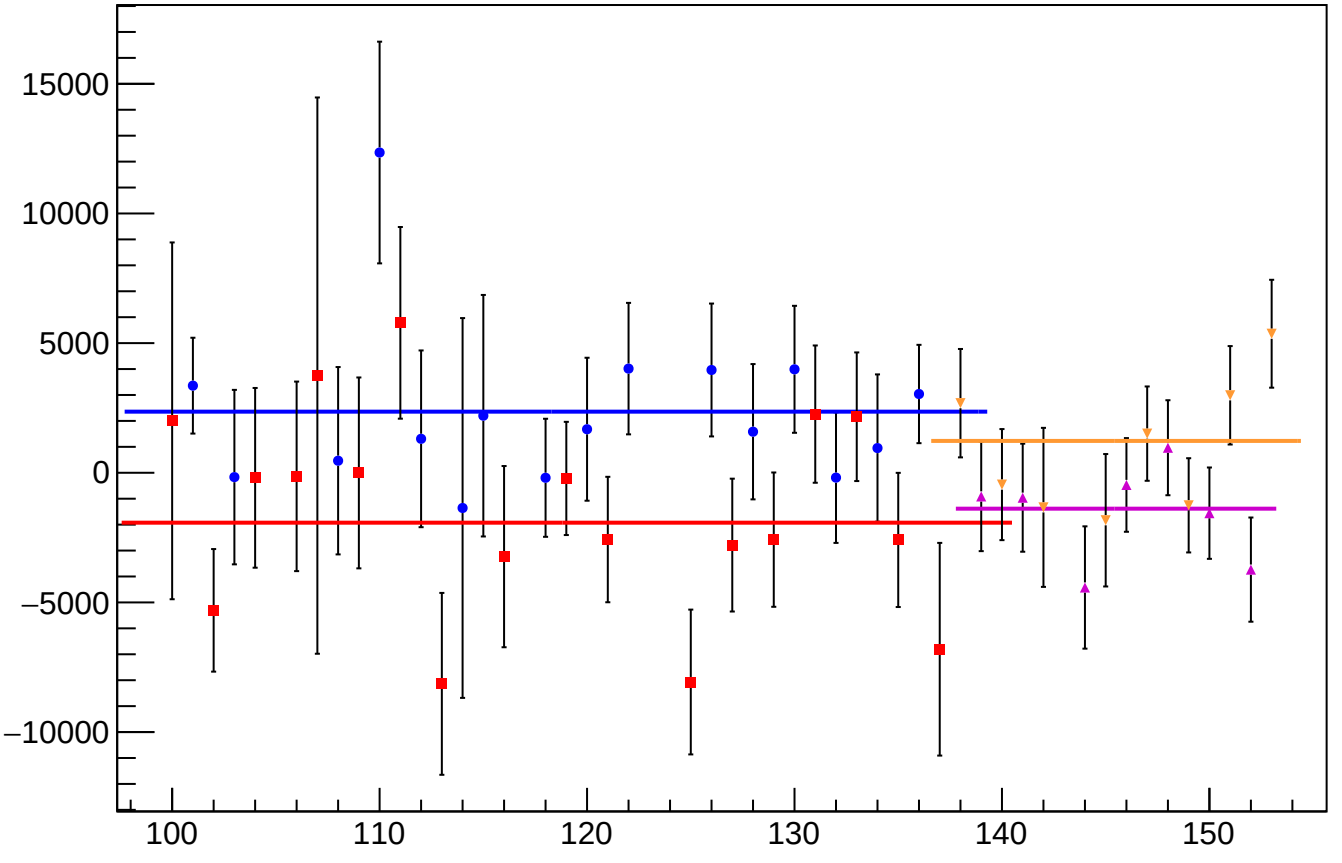
Left In: 982.425+/-0.290 χ^2/NDF:685096.0/6

+ sign 787.346+/-0.165 χ^2/NDF: 3763533.5/23

All: 841.011+/-0.123 χ^2/NDF: 6678808.4/48

- sign 908.946+/-0.186 χ^2/NDF: 2675654.4/24

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1228.391+/-741.177 χ^2/NDF:9.9/7

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

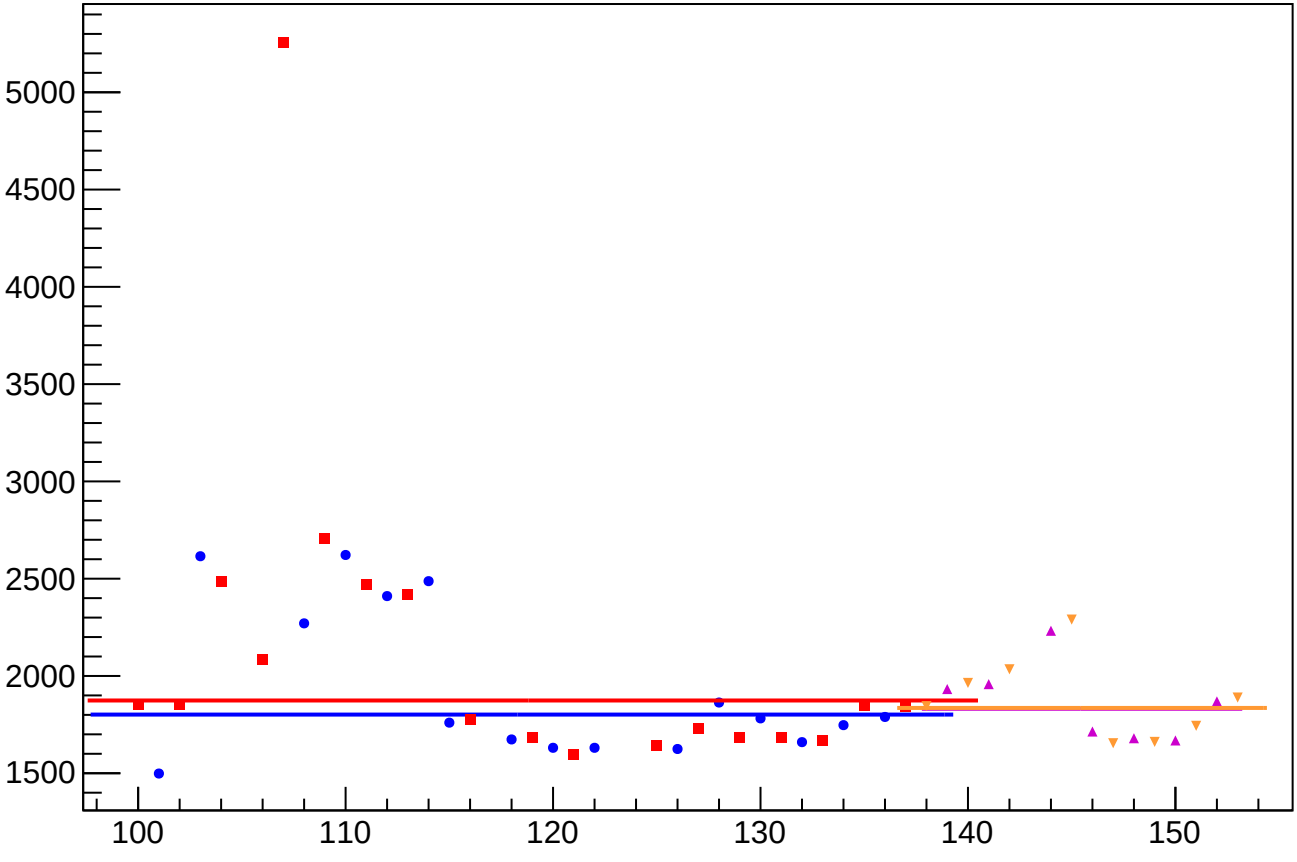
Left In: -1384.721+/-743.457 χ^2/NDF:5.0/6

+ sign 1842.058+/-500.644 χ^2/NDF: 22.2/23

All: 127.060+/-358.043 χ^2/NDF: 75.0/48

- sign -1668.412+/-512.255 χ^2/NDF: 28.8/24

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1835.658+/-0.524 χ^2/NDF:123264.4/7

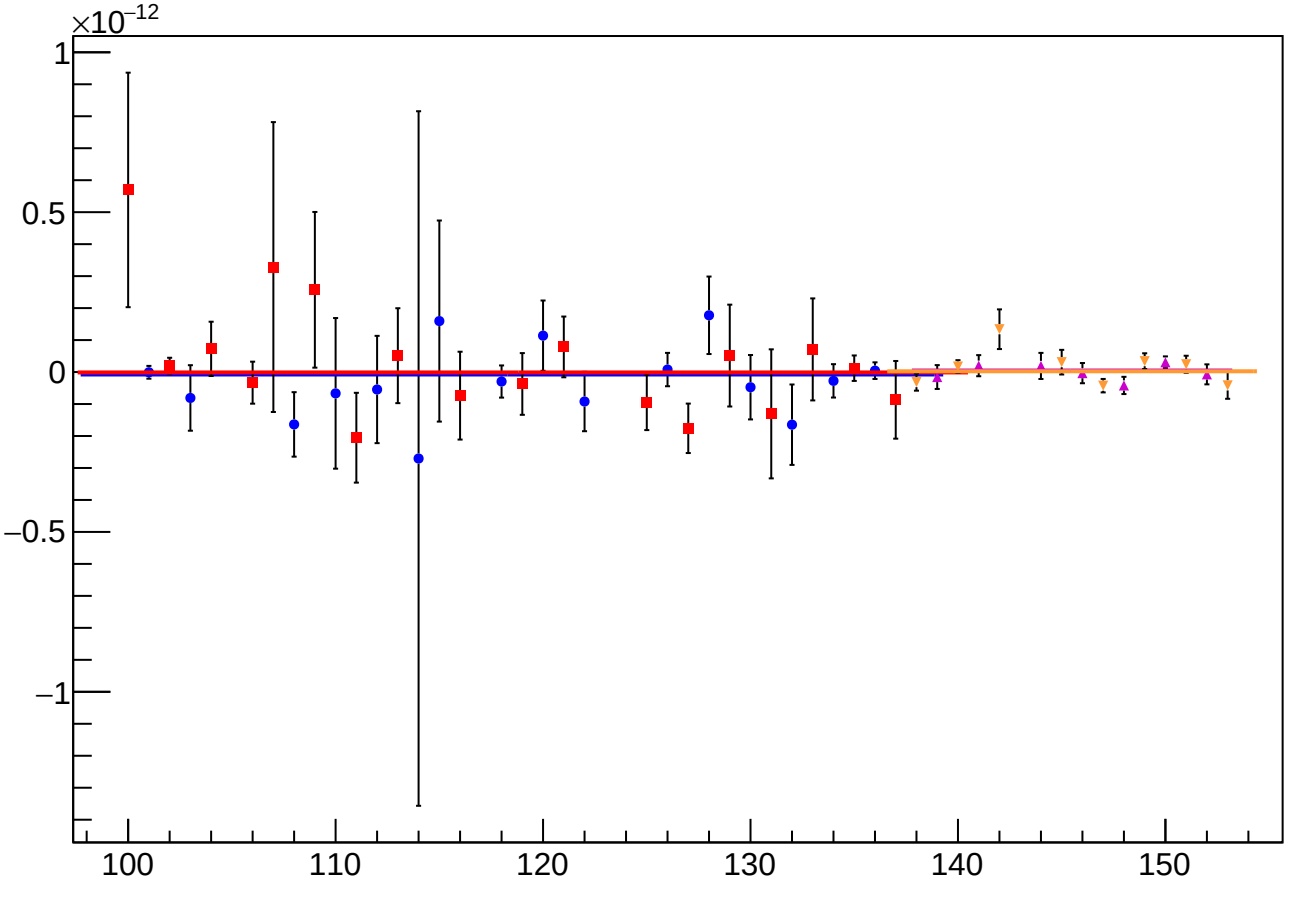
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1831.416+/-0.526 χ^2/NDF:109653.4/6

\+ sign 1817.101+/-0.354 χ^2/NDF: 526272.7/23

All: 1835.016+/-0.253 χ^2/NDF: 1214519.8/48

\- sign 1853.771+/-0.362 χ^2/NDF: 683005.0/24



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/7

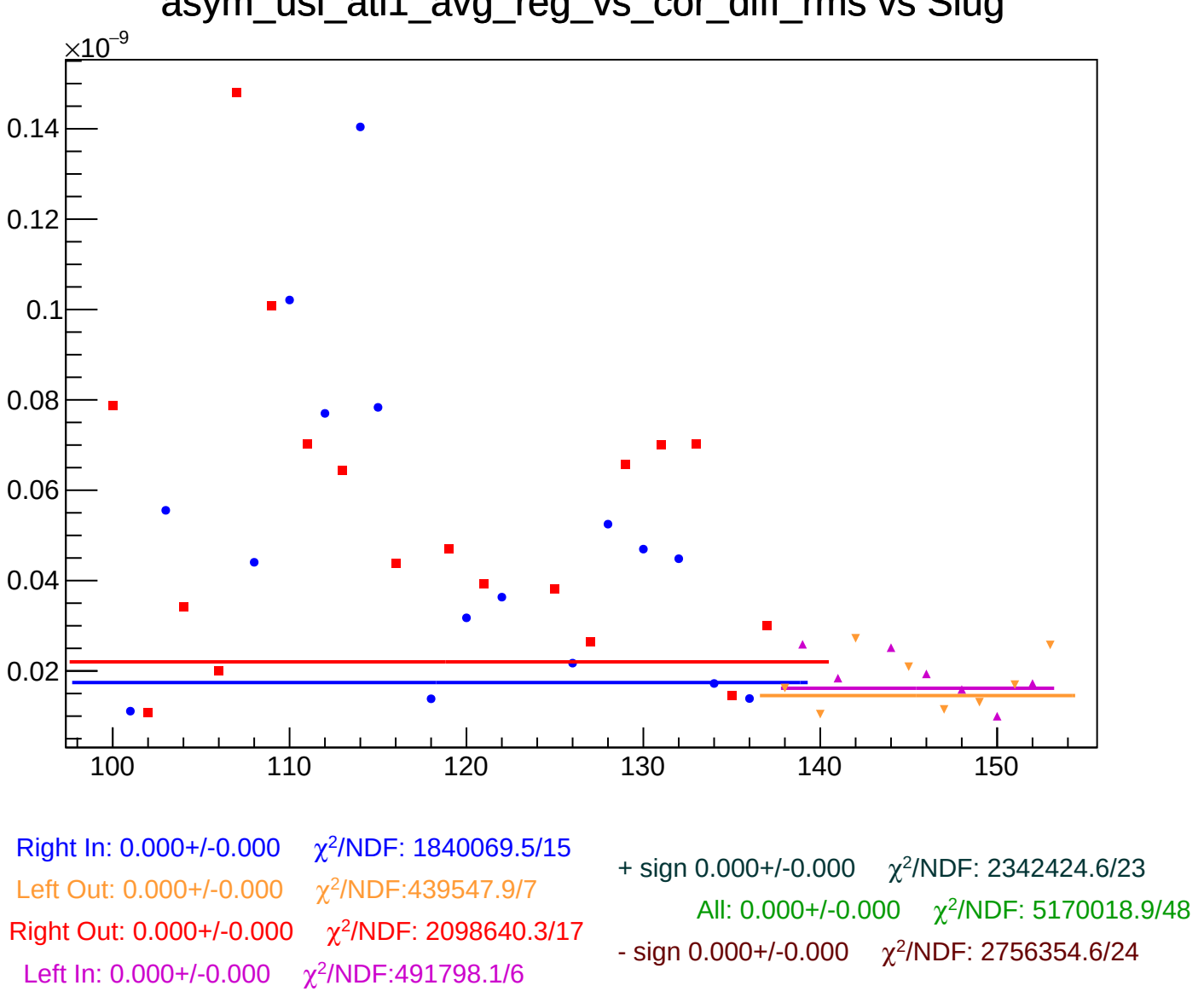
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:5.8/6

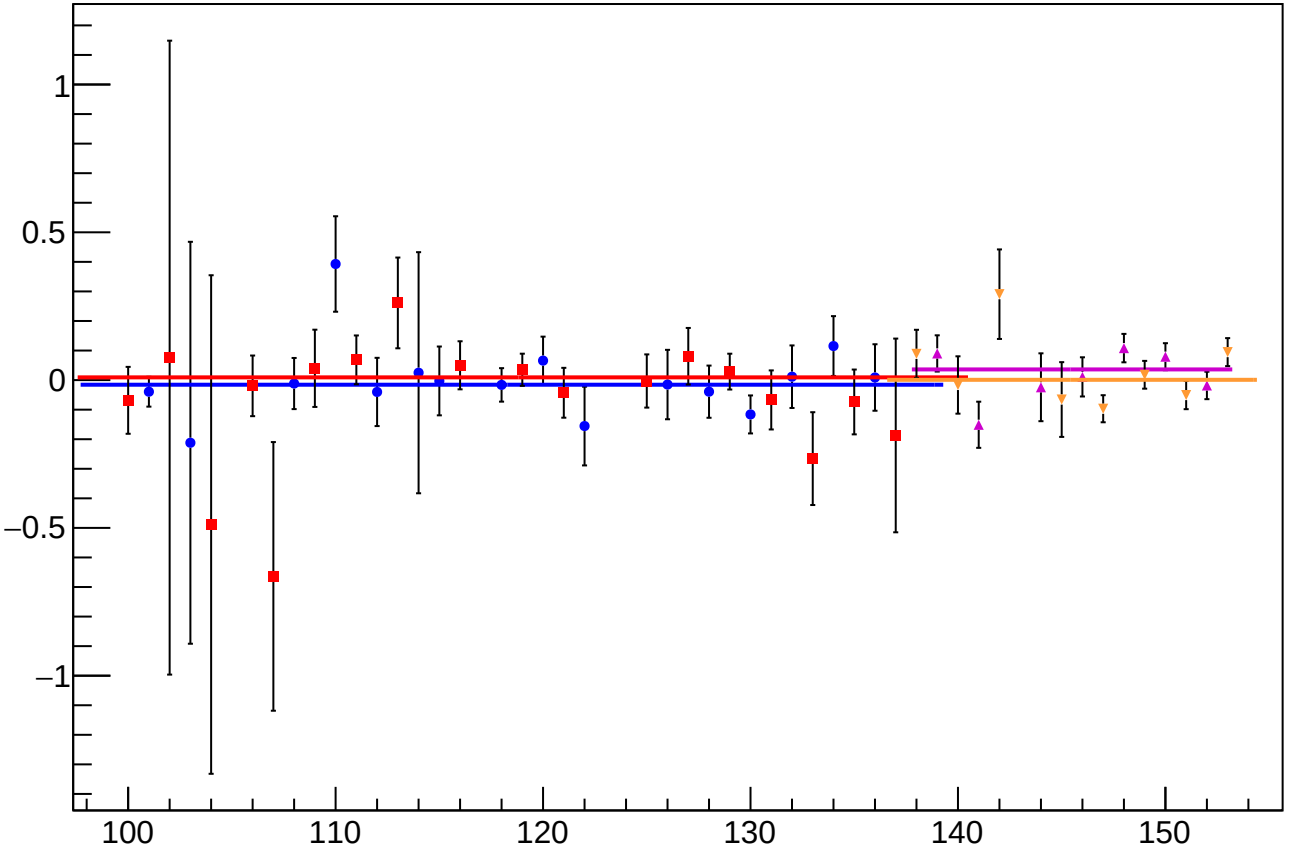
+ sign -0.000+/-0.000 χ^2/NDF: 25.8/23

All: 0.000+/-0.000 χ^2/NDF: 48.5/48

- sign 0.000+/-0.000 χ^2/NDF: 22.6/24


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:439547.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:491798.1/6
+ sign 0.000+/-0.000 χ²/NDF: 2342424.6/23
All: 0.000+/-0.000 χ²/NDF: 5170018.9/48
- sign 0.000+/-0.000 χ²/NDF: 2756354.6/24

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.021 χ^2/NDF:14.9/7

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

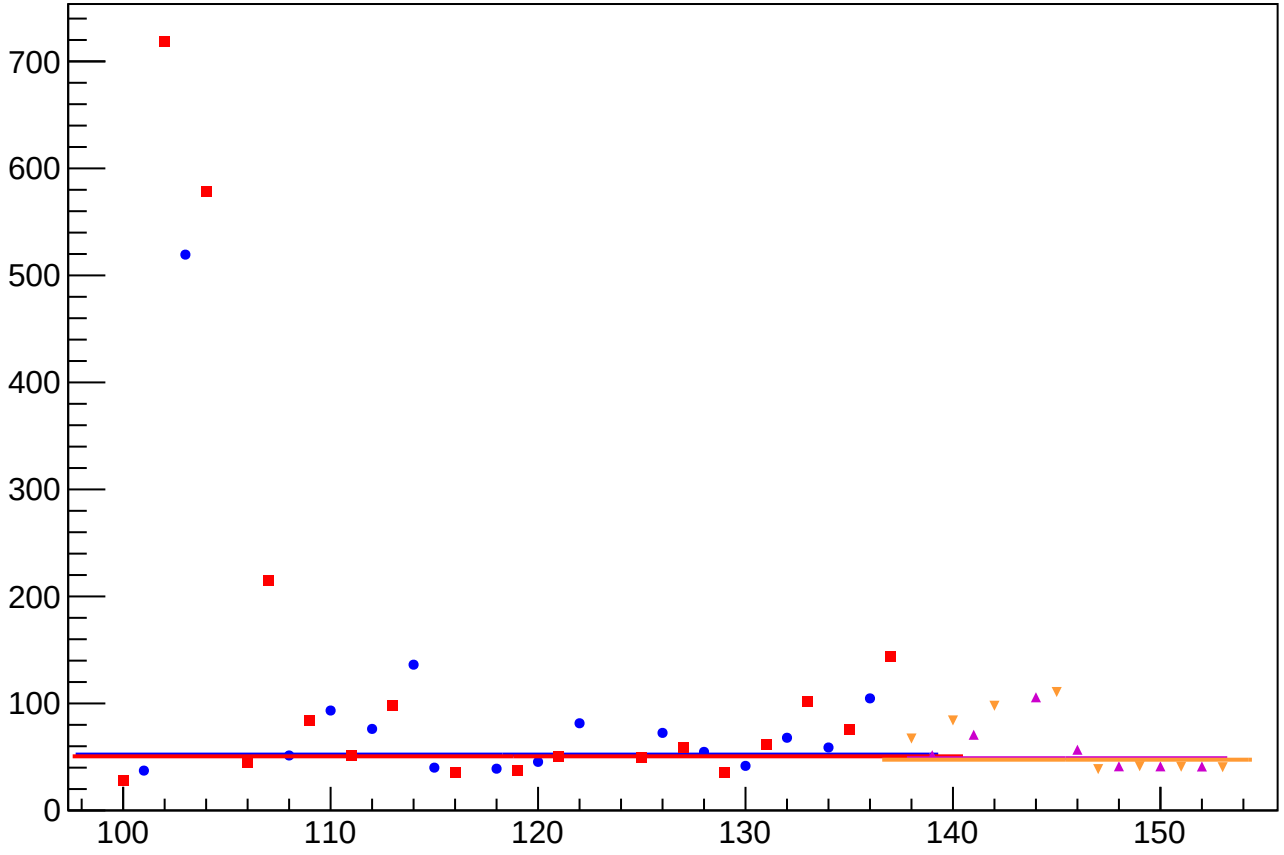
Left In: 0.036+/-0.022 χ^2/NDF:11.5/6

+ sign -0.007+/-0.016 χ^2/NDF: 28.4/23

All: 0.008+/-0.011 χ^2/NDF: 54.9/48

- sign 0.024+/-0.016 χ^2/NDF: 24.6/24

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.438+/-0.015 χ^2/NDF:1315859.9/7

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

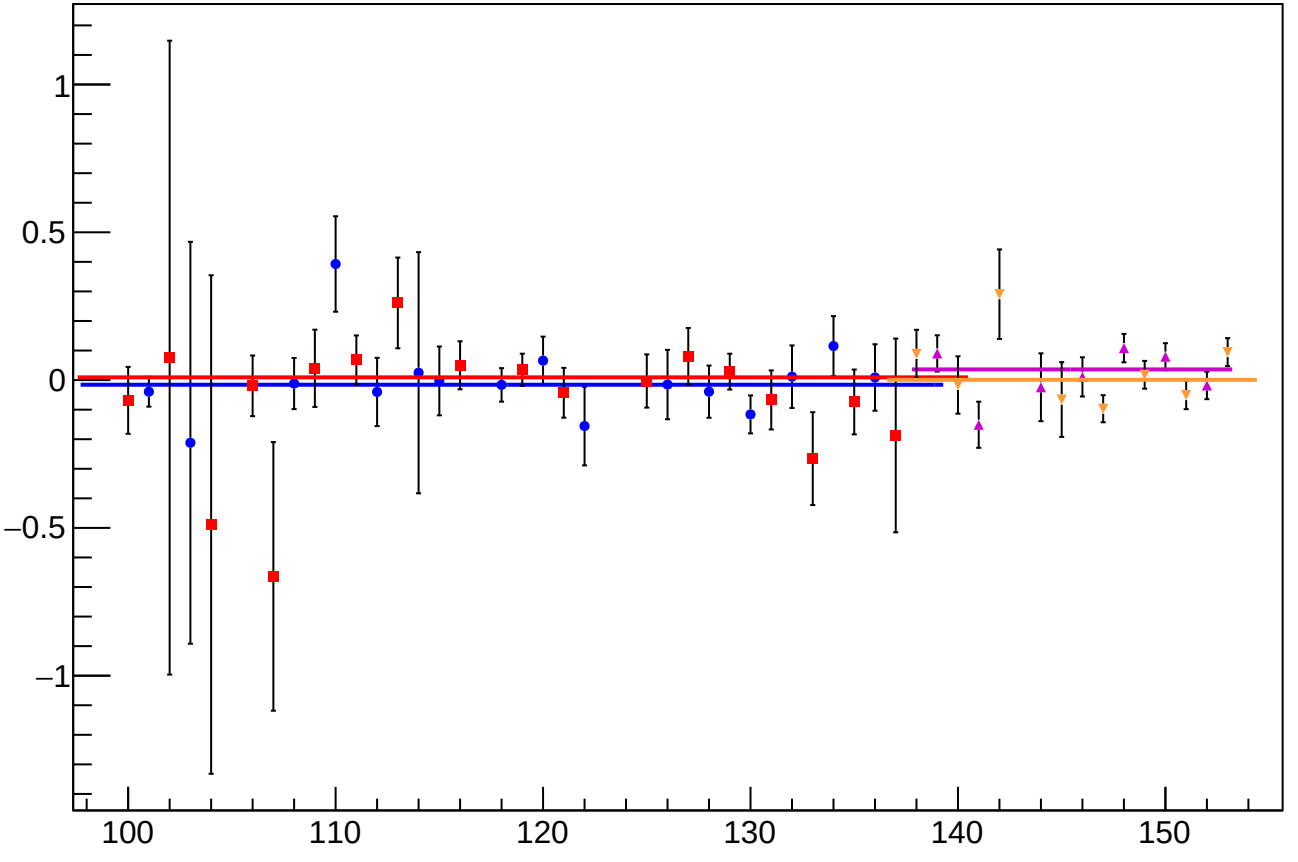
Left In: 48.823+/-0.015 χ^2/NDF:842616.8/6

+ sign 49.684+/-0.011 χ^2/NDF: 3629261.9/23

All: 49.658+/-0.008 χ^2/NDF: 7529274.4/48

- sign 49.632+/-0.011 χ^2/NDF: 3900001.5/24

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.021 χ^2/NDF:14.9/7

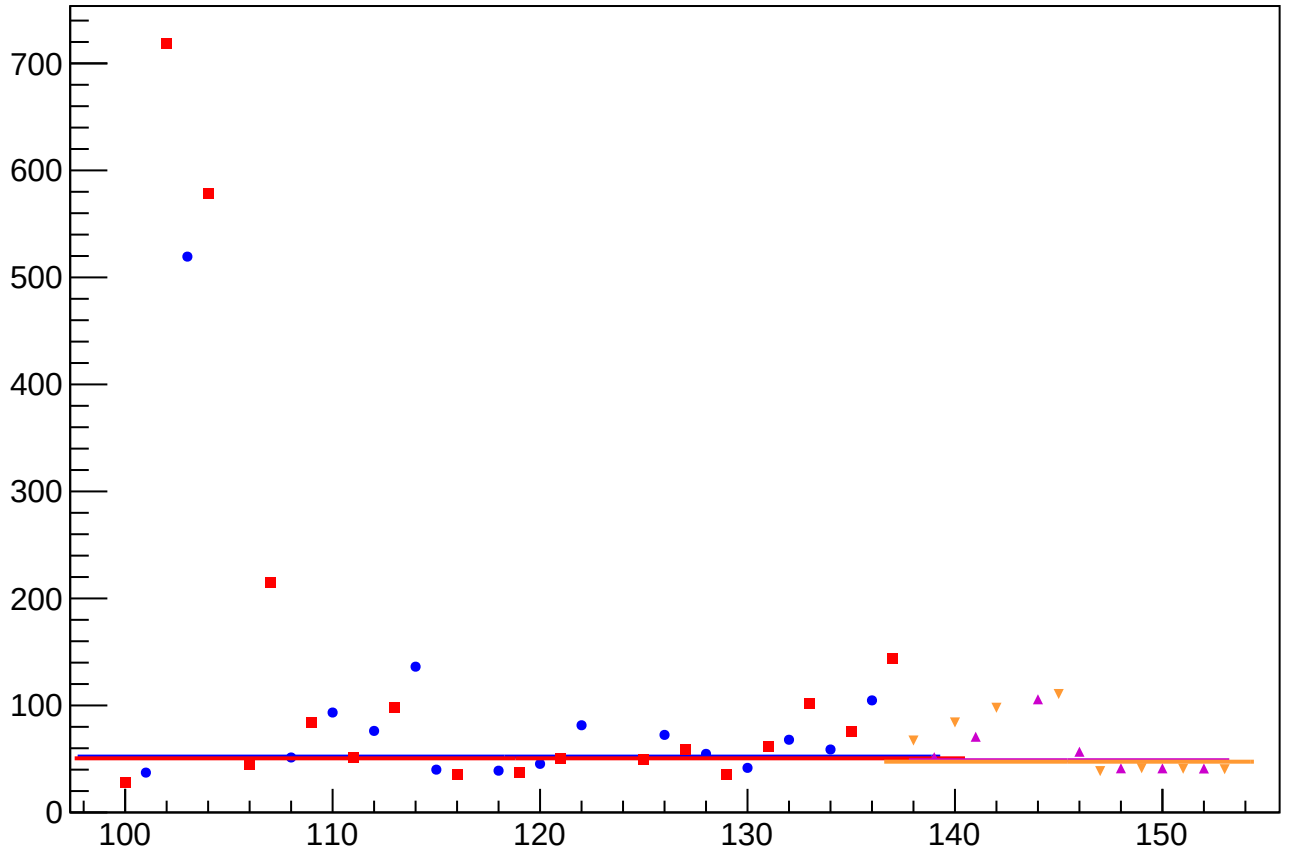
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.036+/-0.022 χ^2/NDF:11.5/6

+ sign -0.007+/-0.016 χ^2/NDF: 28.4/23

All: 0.008+/-0.011 χ^2/NDF: 54.9/48

- sign 0.024+/-0.016 χ^2/NDF: 24.6/24



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.438+/-0.015 χ^2/NDF:1315859.9/7

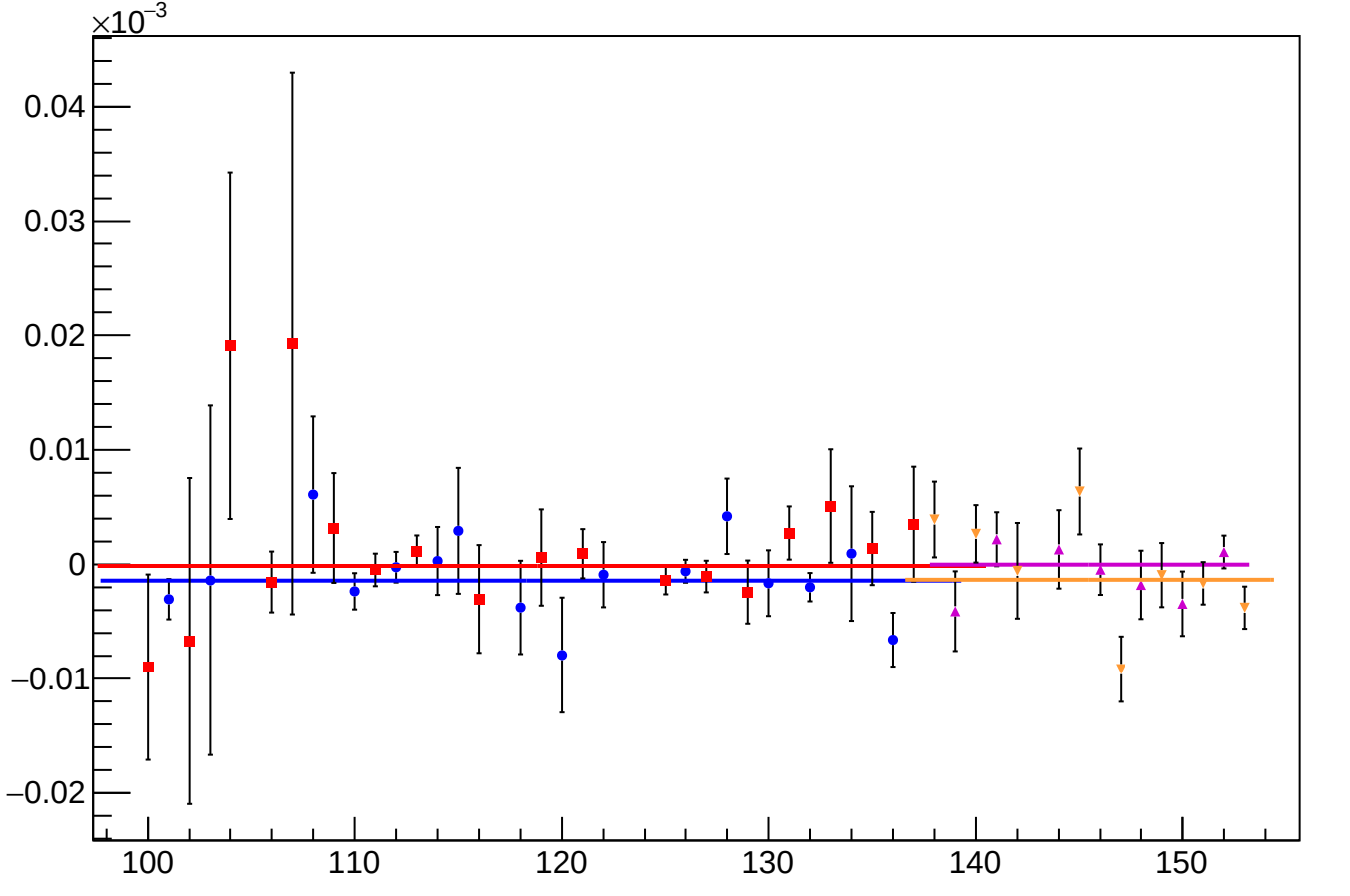
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.823+/-0.015 χ^2/NDF:842616.8/6

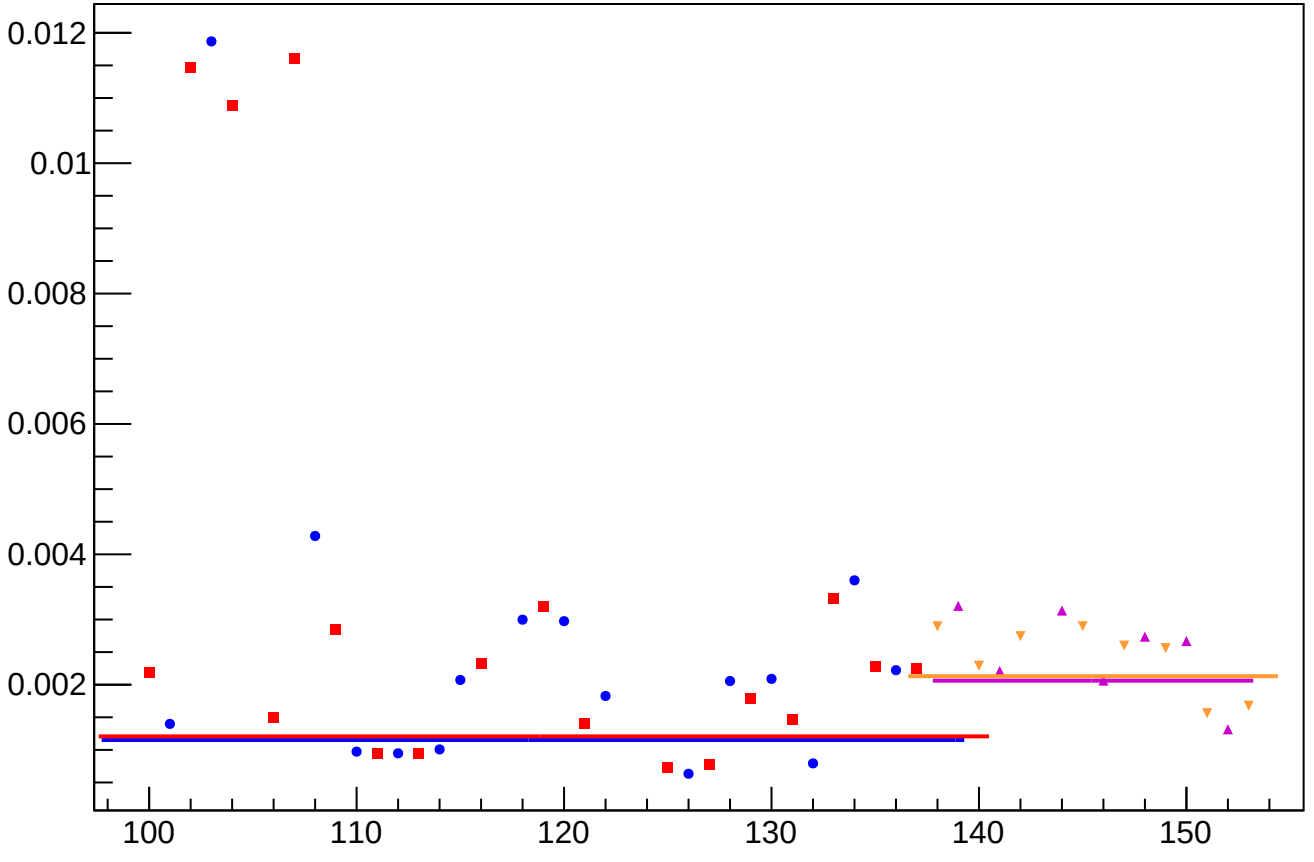
+ sign 49.684+/-0.011 χ^2/NDF: 3629261.9/23

All: 49.658+/-0.008 χ^2/NDF: 7529274.4/48

- sign 49.632+/-0.011 χ^2/NDF: 3900001.5/24


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:18.7/7
Right Out: -0.000+/-0.000 χ²/NDF: 11.6/17
Left In: -0.000+/-0.000 χ²/NDF:4.9/6
+ sign -0.000+/-0.000 χ²/NDF: 33.6/23
All: -0.000+/-0.000 χ²/NDF: 54.0/48
- sign -0.000+/-0.000 χ²/NDF: 16.5/24

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:650364.4/7

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

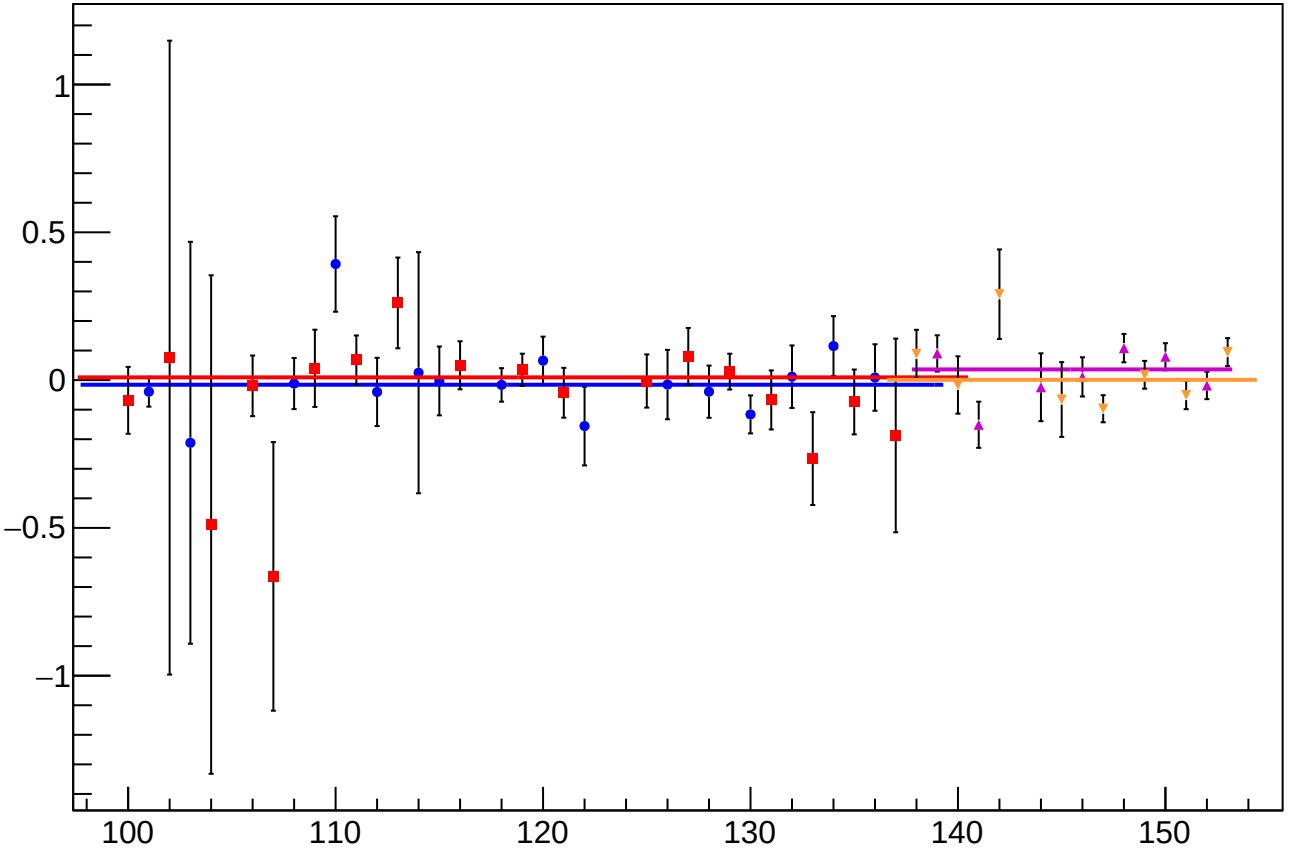
Left In: 0.002+/-0.000 χ^2/NDF:1160531.2/6

+ sign 0.001+/-0.000 χ^2/NDF: 6593108.6/23

All: 0.001+/-0.000 χ^2/NDF: 13630449.4/48

- sign 0.001+/-0.000 χ^2/NDF: 7020930.5/24

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.021 χ^2/NDF:14.9/7

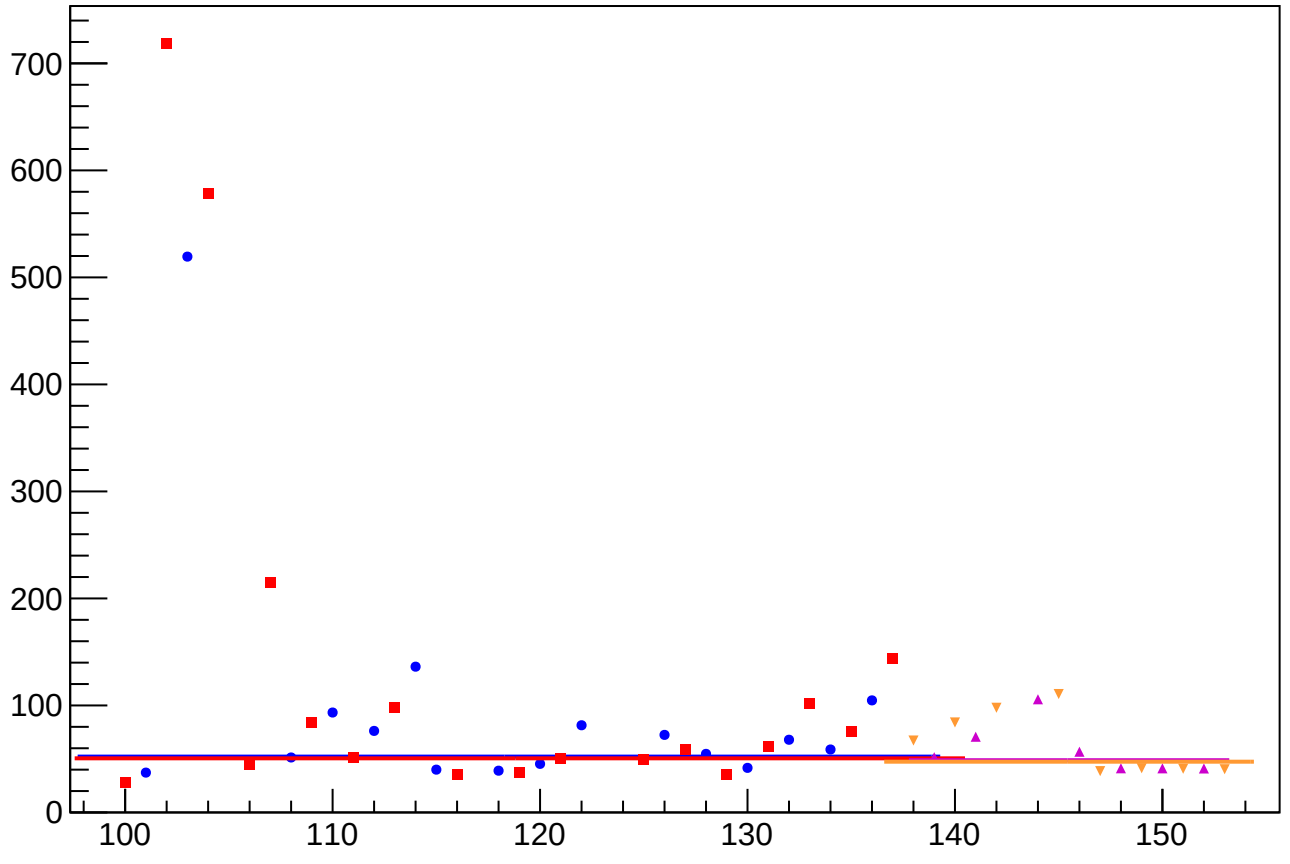
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.036+/-0.022 χ^2/NDF:11.5/6

+ sign -0.007+/-0.016 χ^2/NDF: 28.4/23

All: 0.008+/-0.011 χ^2/NDF: 54.9/48

- sign 0.024+/-0.016 χ^2/NDF: 24.6/24



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.438+/-0.015 χ^2/NDF:1315836.3/7

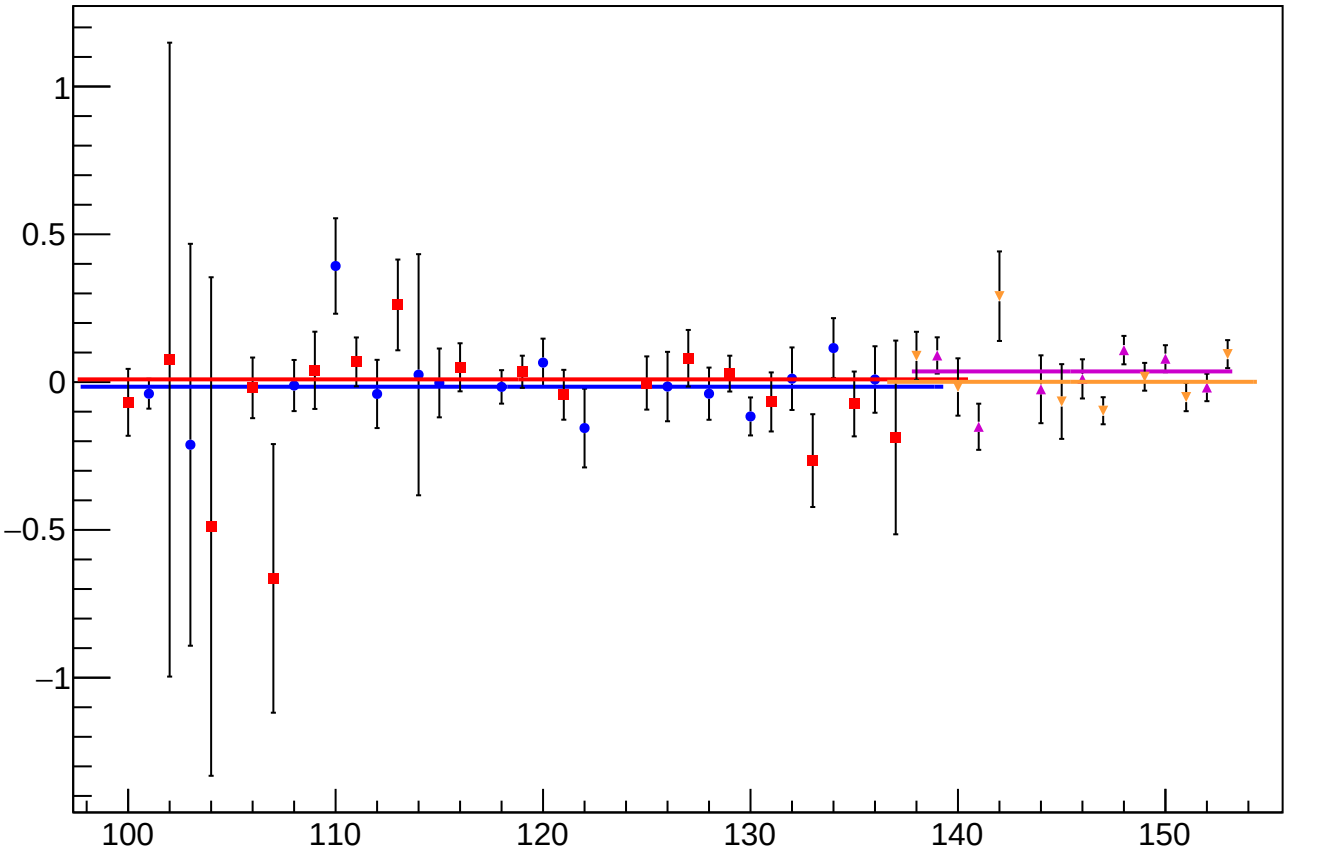
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.823+/-0.015 χ^2/NDF:842603.7/6

+ sign 49.684+/-0.011 χ^2/NDF: 3629227.0/23

All: 49.658+/-0.008 χ^2/NDF: 7529207.8/48

- sign 49.632+/-0.011 χ^2/NDF: 3899969.8/24



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.021 χ^2/NDF:14.9/7

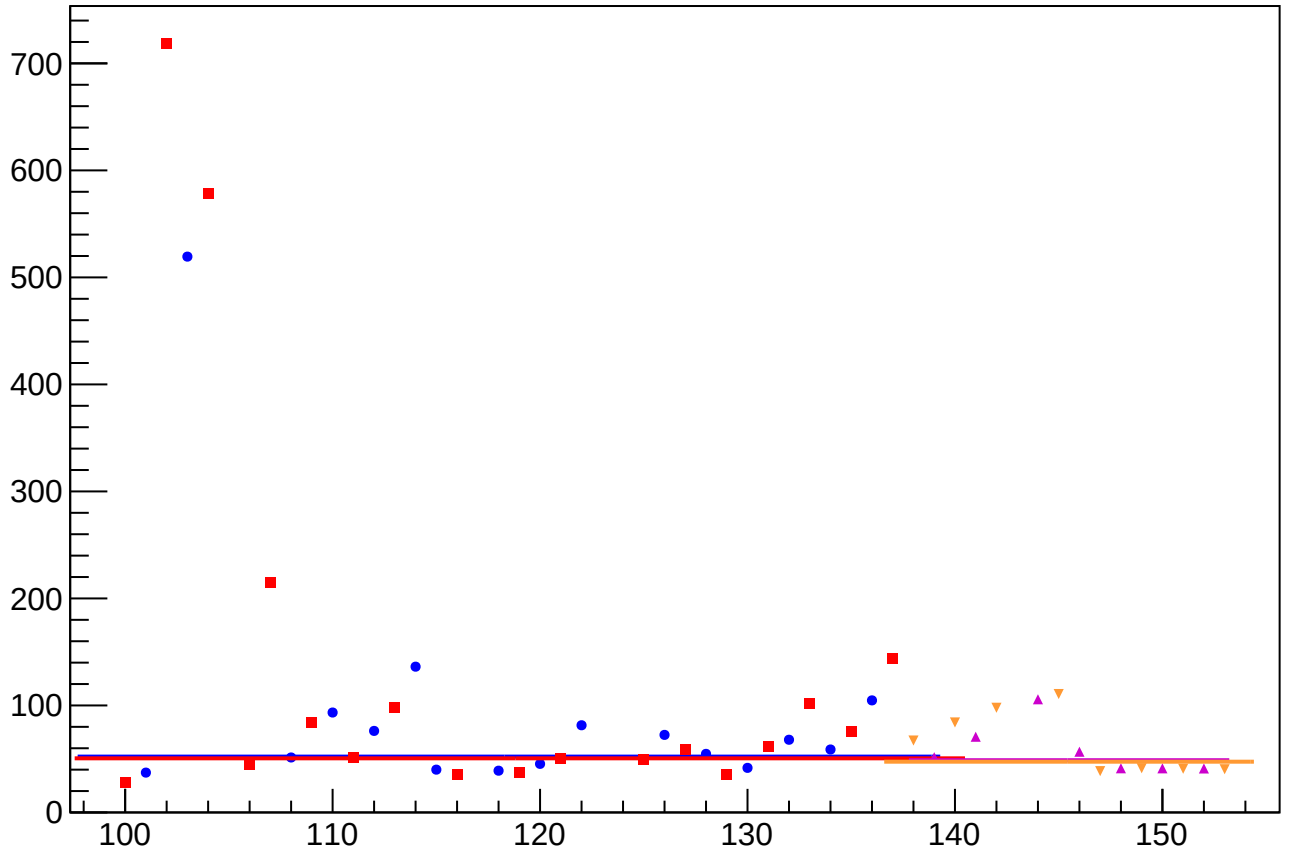
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.036+/-0.022 χ^2/NDF:11.5/6

+ sign -0.007+/-0.016 χ^2/NDF: 28.4/23

All: 0.008+/-0.011 χ^2/NDF: 54.9/48

- sign 0.024+/-0.016 χ^2/NDF: 24.6/24



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.438+/-0.015 χ^2/NDF:1315836.3/7

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

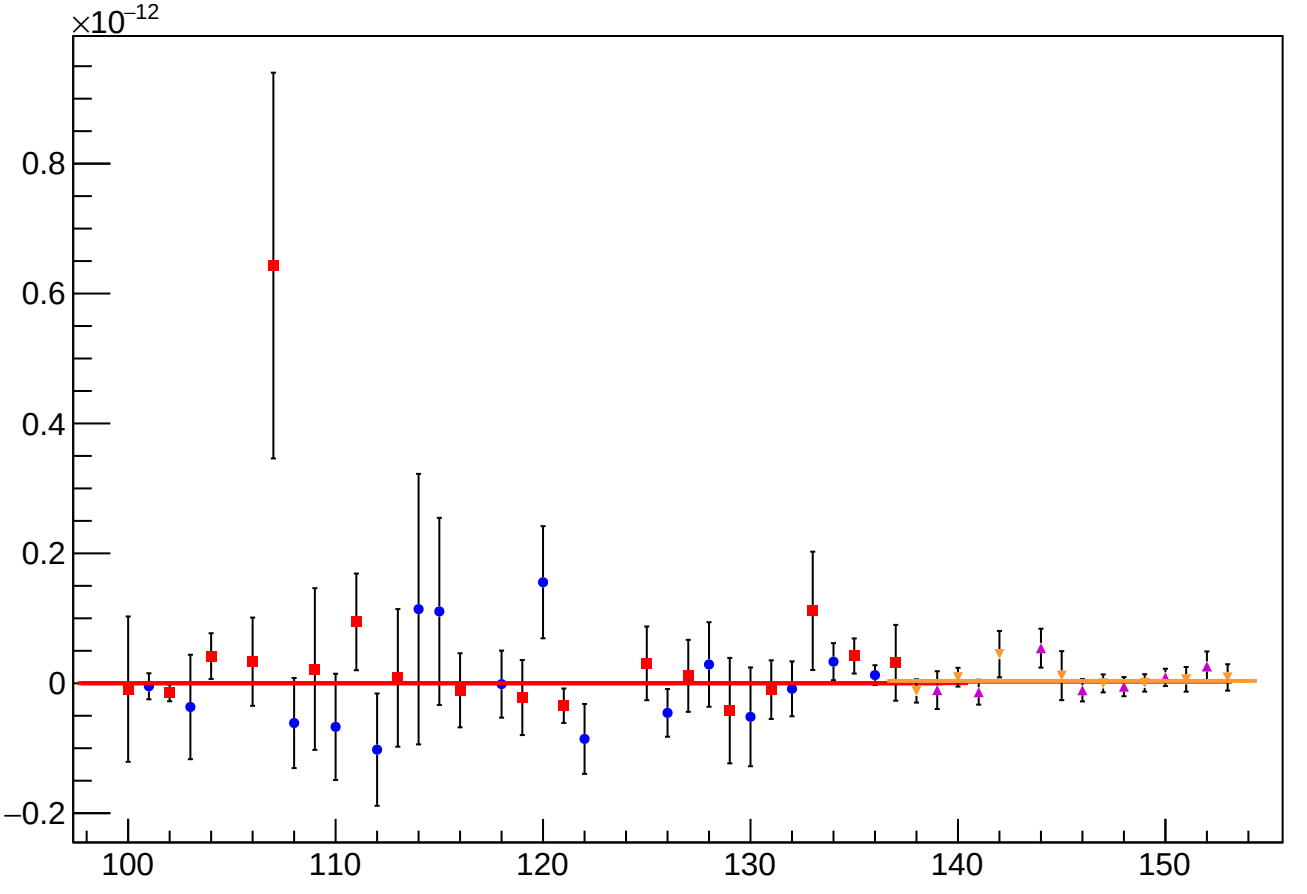
Left In: 48.823+/-0.015 χ^2/NDF:842603.7/6

+ sign 49.684+/-0.011 χ^2/NDF: 3629227.0/23

All: 49.658+/-0.008 χ^2/NDF: 7529207.8/48

- sign 49.632+/-0.011 χ^2/NDF: 3899969.8/24

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/7

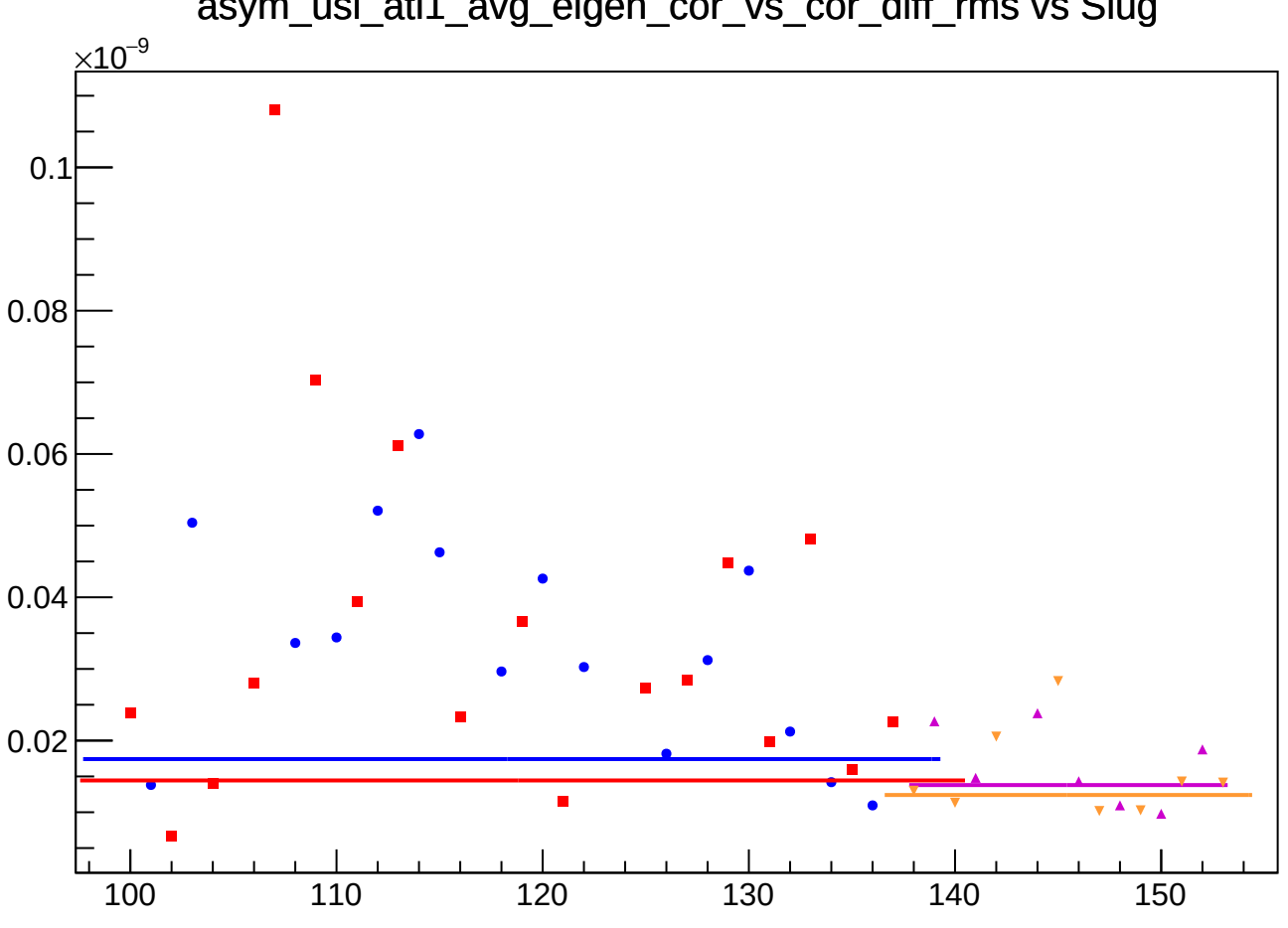
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 16.7/23

All: 0.000+/-0.000 χ^2/NDF: 38.8/48

- sign 0.000+/-0.000 χ^2/NDF: 22.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:610027.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

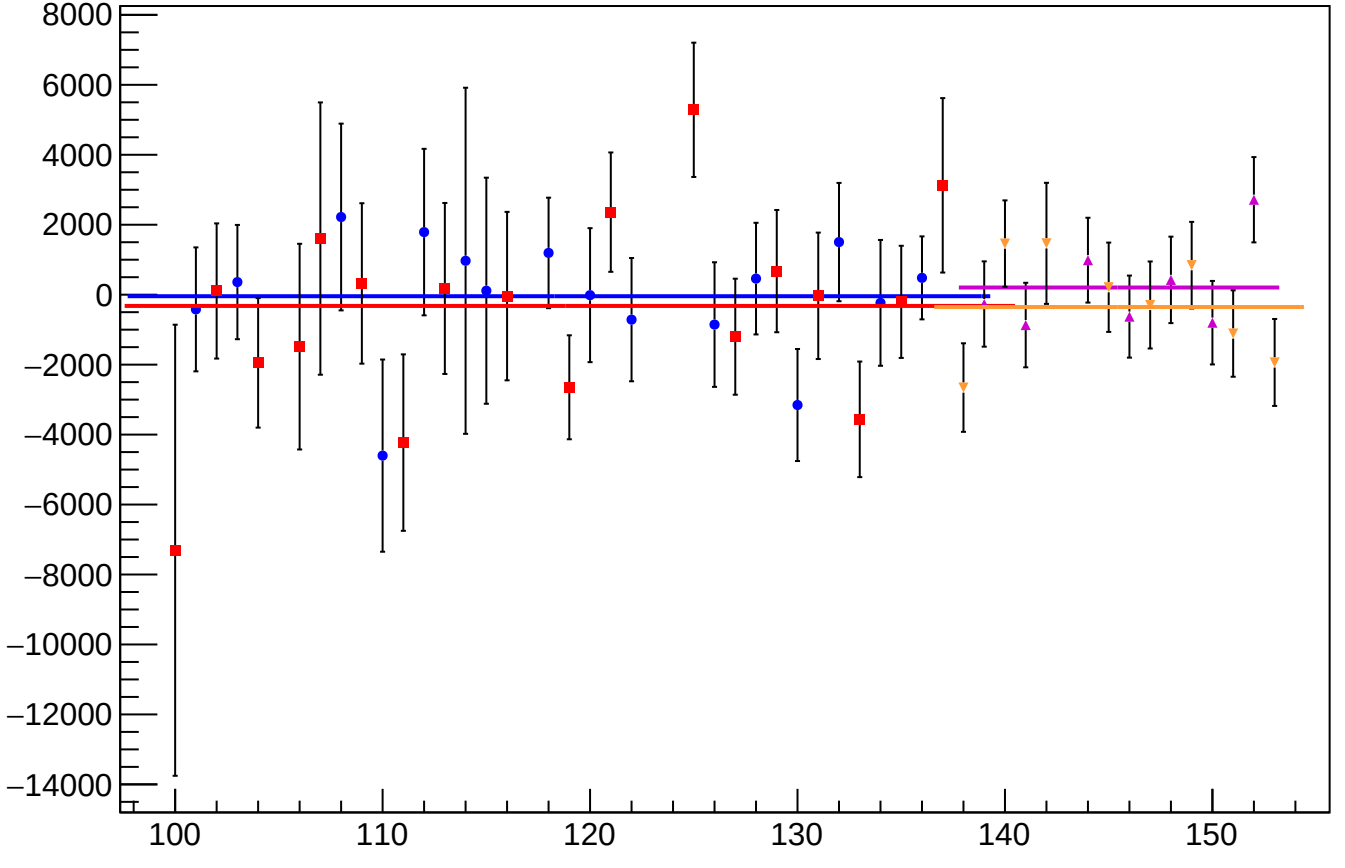
Left In: 0.000+/-0.000 χ^2/NDF:766665.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 3228960.3/23

All: 0.000+/-0.000 χ^2/NDF: 7263425.0/48

- sign 0.000+/-0.000 χ^2/NDF: 4034234.5/24

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -352.655+/-455.112 χ^2/NDF:9.7/7

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

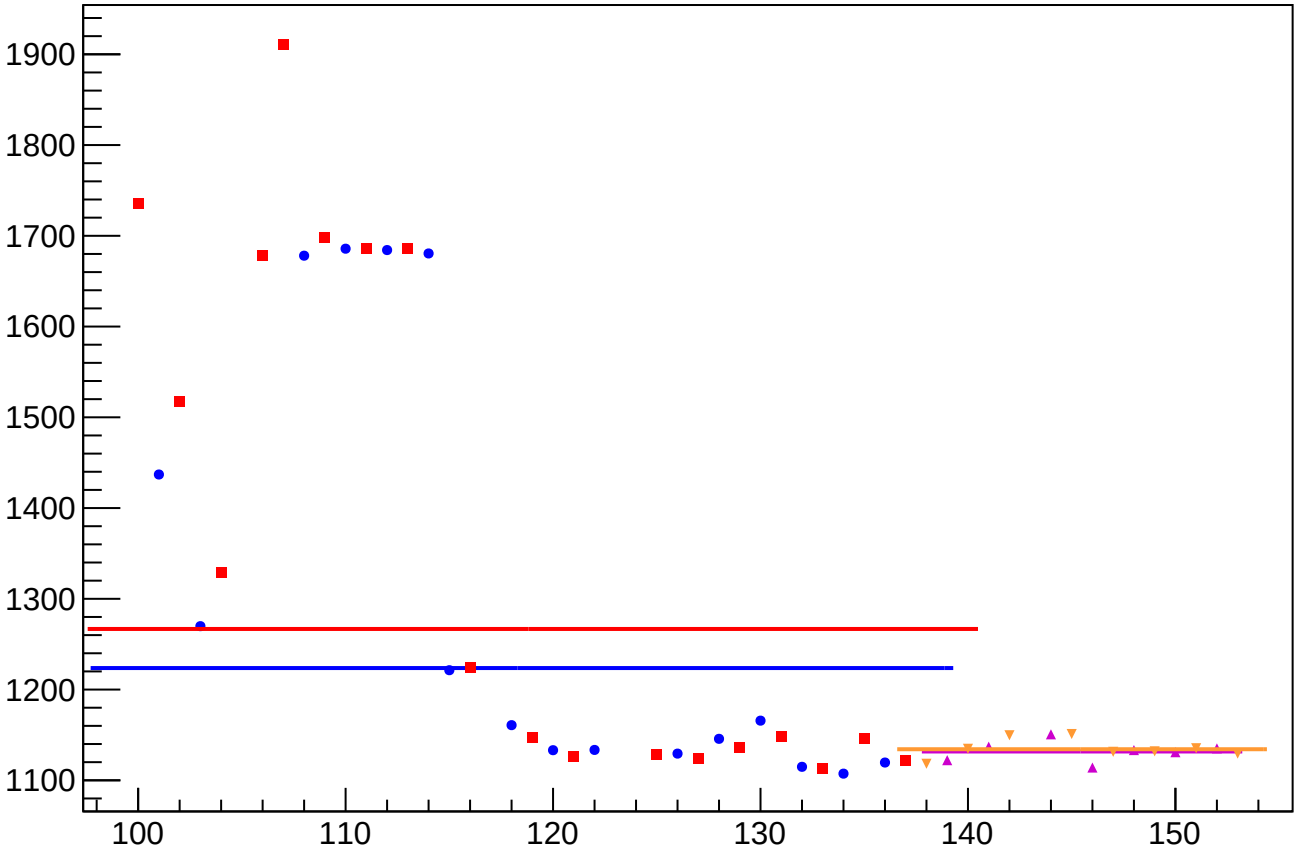
Left In: 205.176+/-456.784 χ^2/NDF:6.8/6

+ sign -199.557+/-323.256 χ^2/NDF: 20.0/23

All: -125.062+/-230.658 χ^2/NDF: 52.4/48

- sign -47.791+/-329.226 χ^2/NDF: 32.2/24

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.253+/-0.322 χ^2/NDF:871.9/7

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

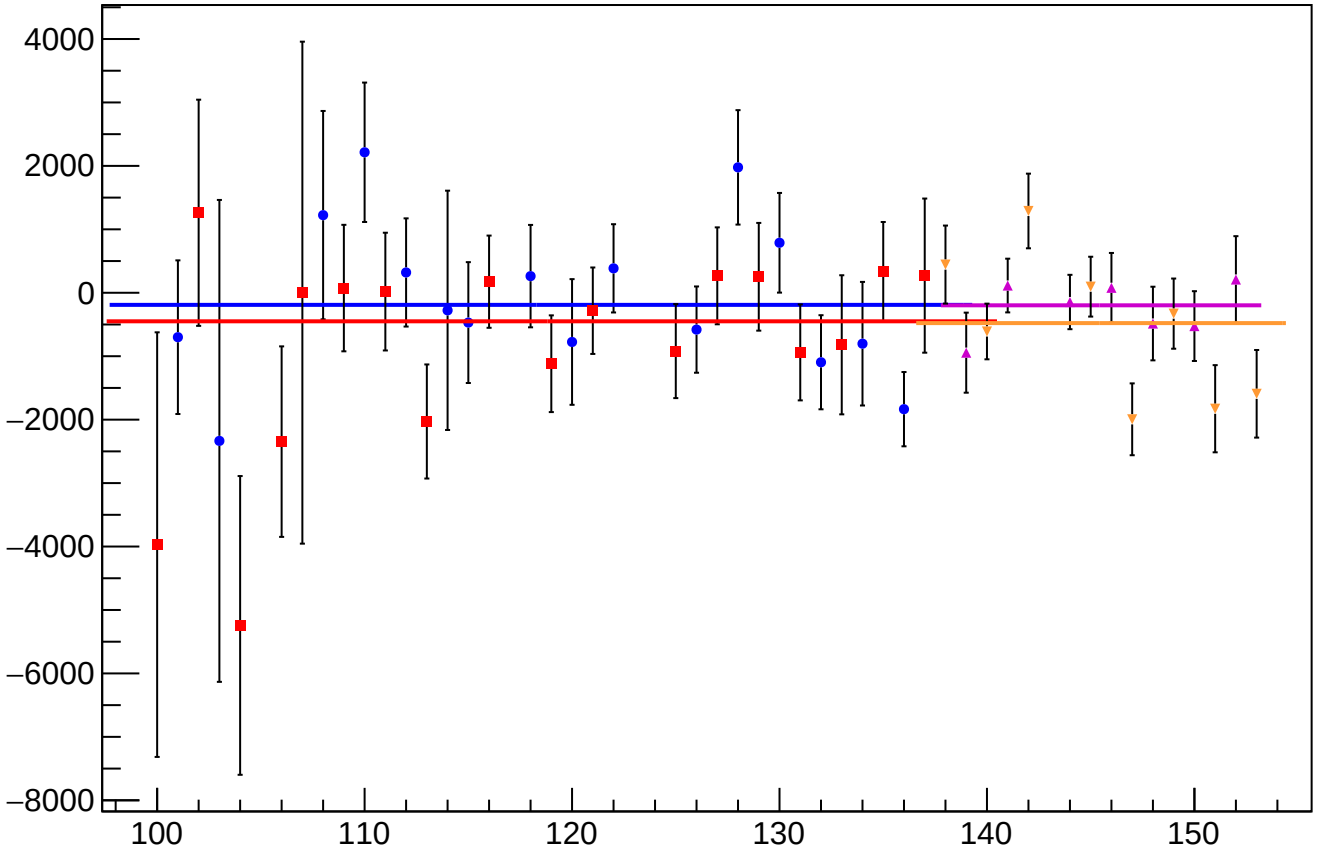
Left In: 1131.769+/-0.323 χ^2/NDF:1123.5/6

+ sign 1178.577+/-0.229 χ^2/NDF: 334122.1/23

All: 1187.445+/-0.163 χ^2/NDF: 855115.2/48

- sign 1196.644+/-0.233 χ^2/NDF: 517926.5/24

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -478.075+/-196.782 χ^2/NDF:26.6/7

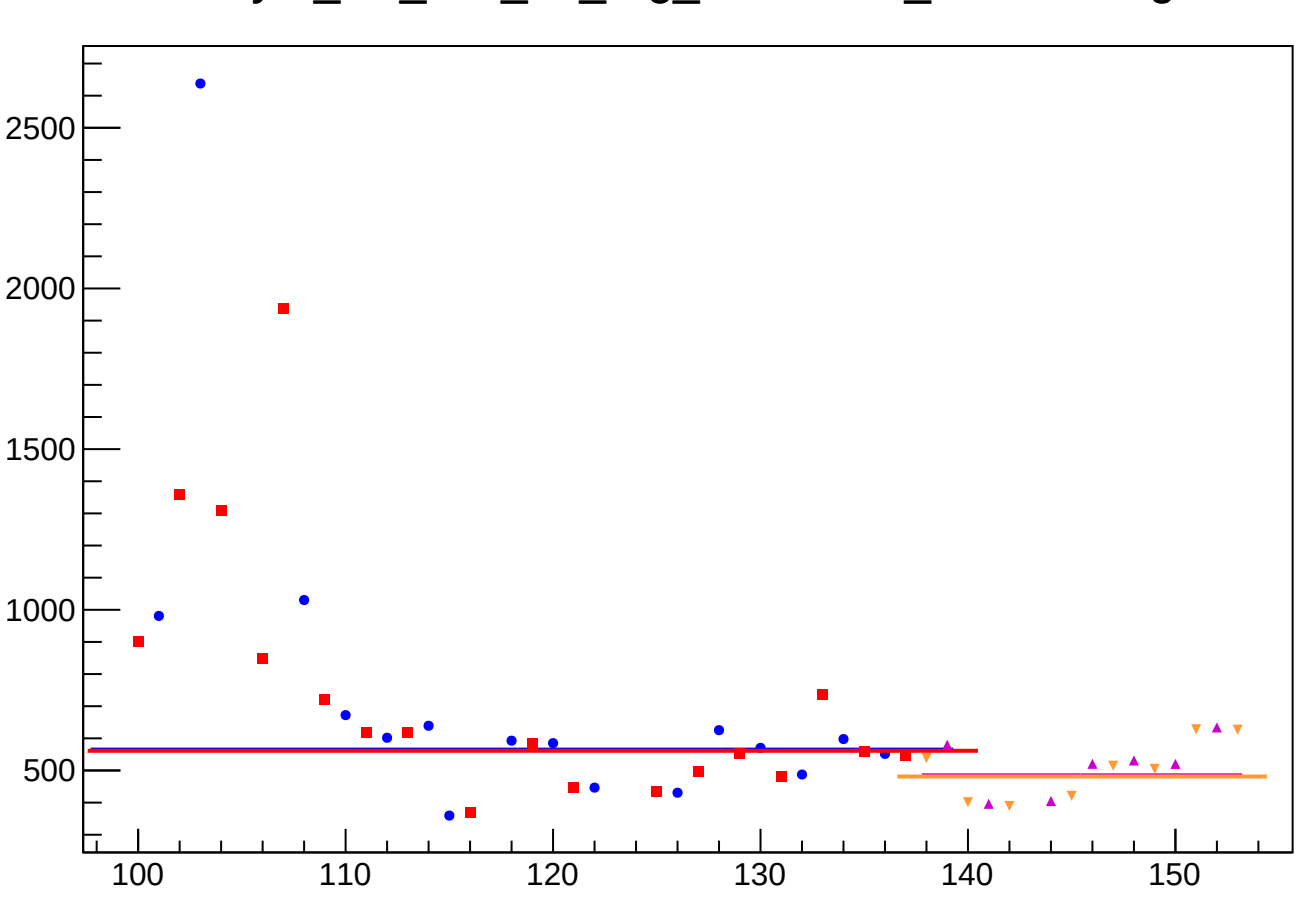
Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: -197.727+/-198.925 χ^2/NDF:3.2/6

+ sign -352.154+/-147.511 χ^2/NDF: 52.7/23

All: -330.889+/-104.656 χ^2/NDF: 73.5/48

- sign -309.335+/-148.506 χ^2/NDF: 20.7/24



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 481.189+/-0.139 χ^2/NDF:356232.2/7

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

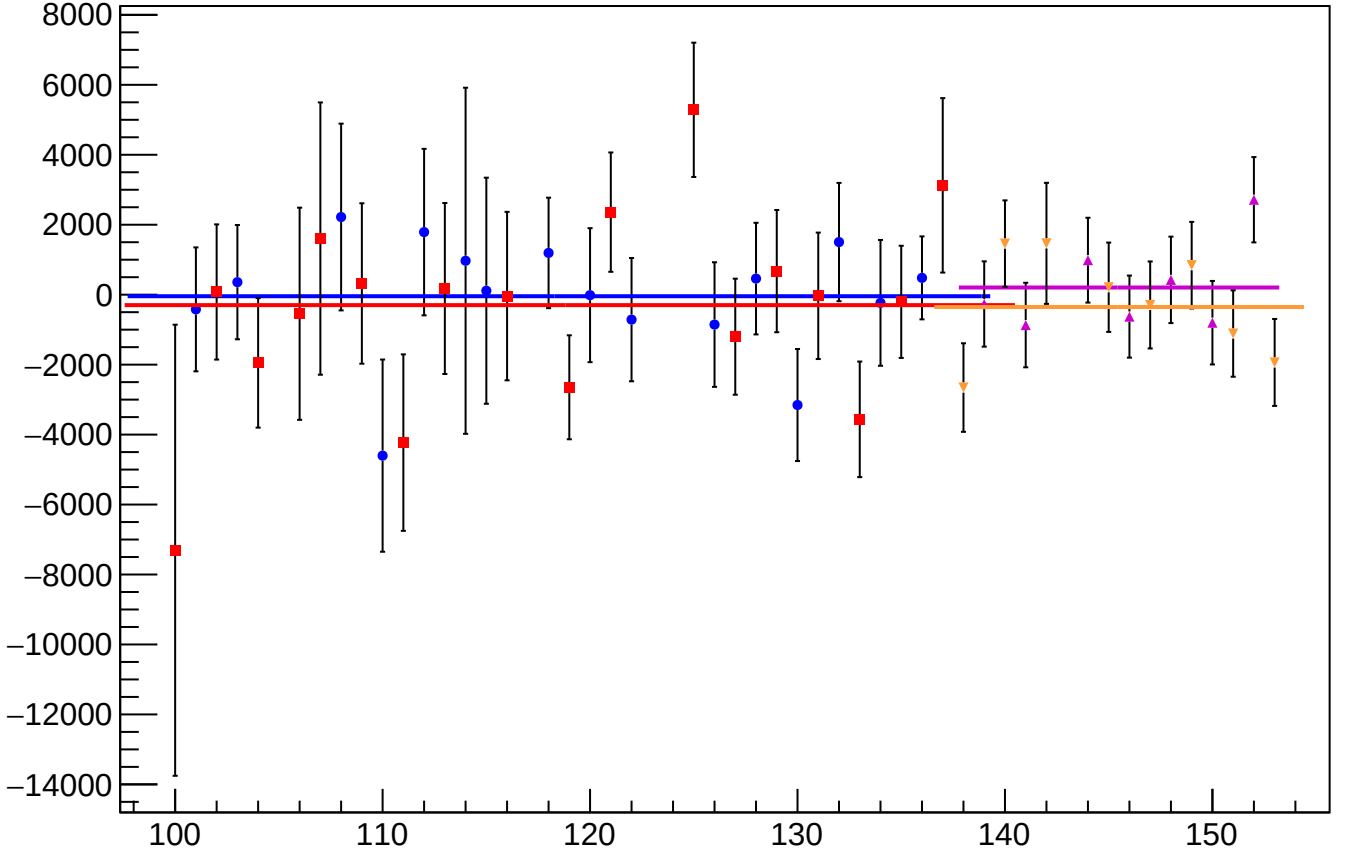
Left In: 485.013+/-0.141 χ^2/NDF:327738.6/6

+ sign 517.886+/-0.104 χ^2/NDF: 1799487.8/23

All: 518.319+/-0.074 χ^2/NDF: 3609514.5/48

- sign 518.759+/-0.105 χ^2/NDF: 1809992.0/24

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -352.542+/-455.112 χ^2/NDF:9.7/7

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

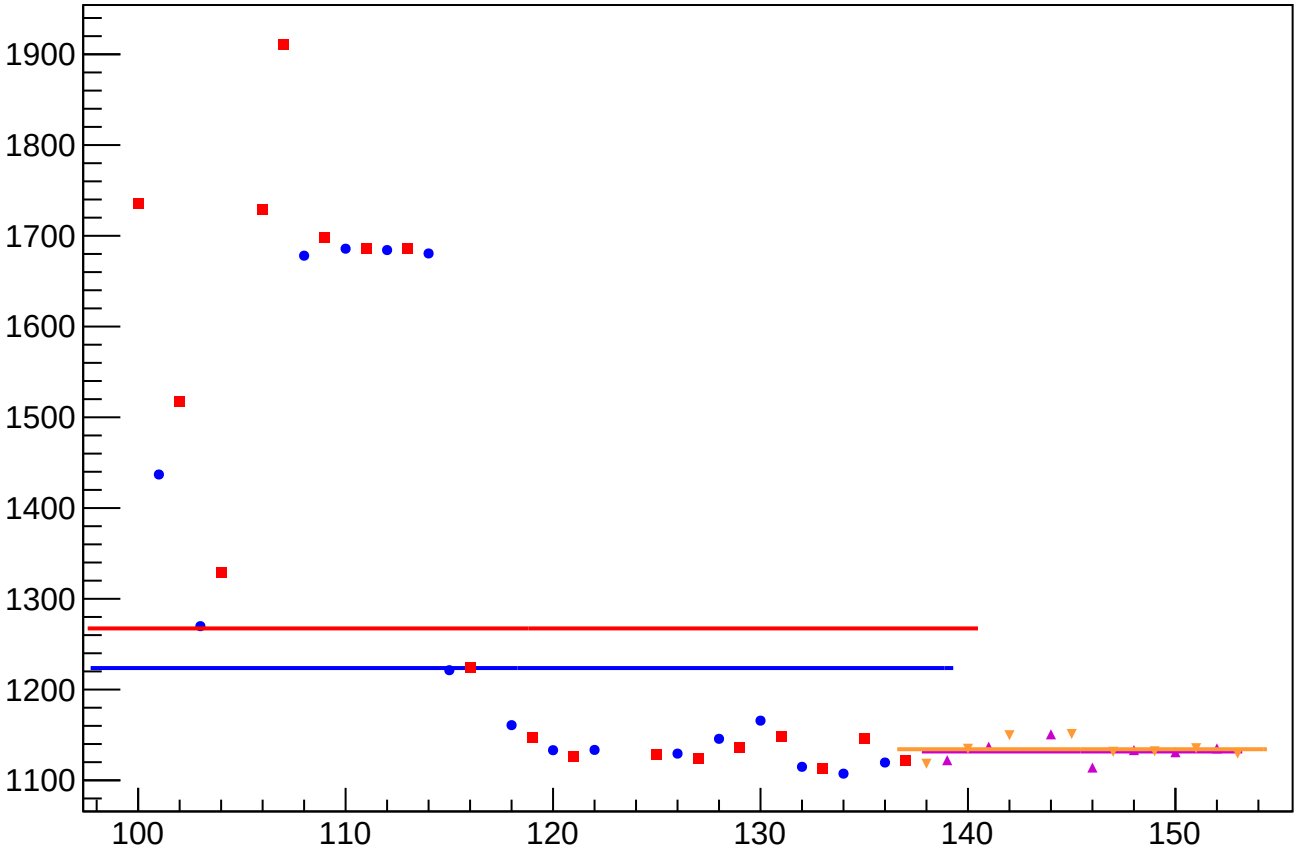
Left In: 205.247+/-456.784 χ^2/NDF:6.8/6

+ sign -199.619+/-323.256 χ^2/NDF: 20.0/23

All: -119.571+/-230.701 χ^2/NDF: 52.2/48

- sign -36.475+/-329.351 χ^2/NDF: 32.0/24

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.253+/-0.322 χ^2/NDF:871.9/7

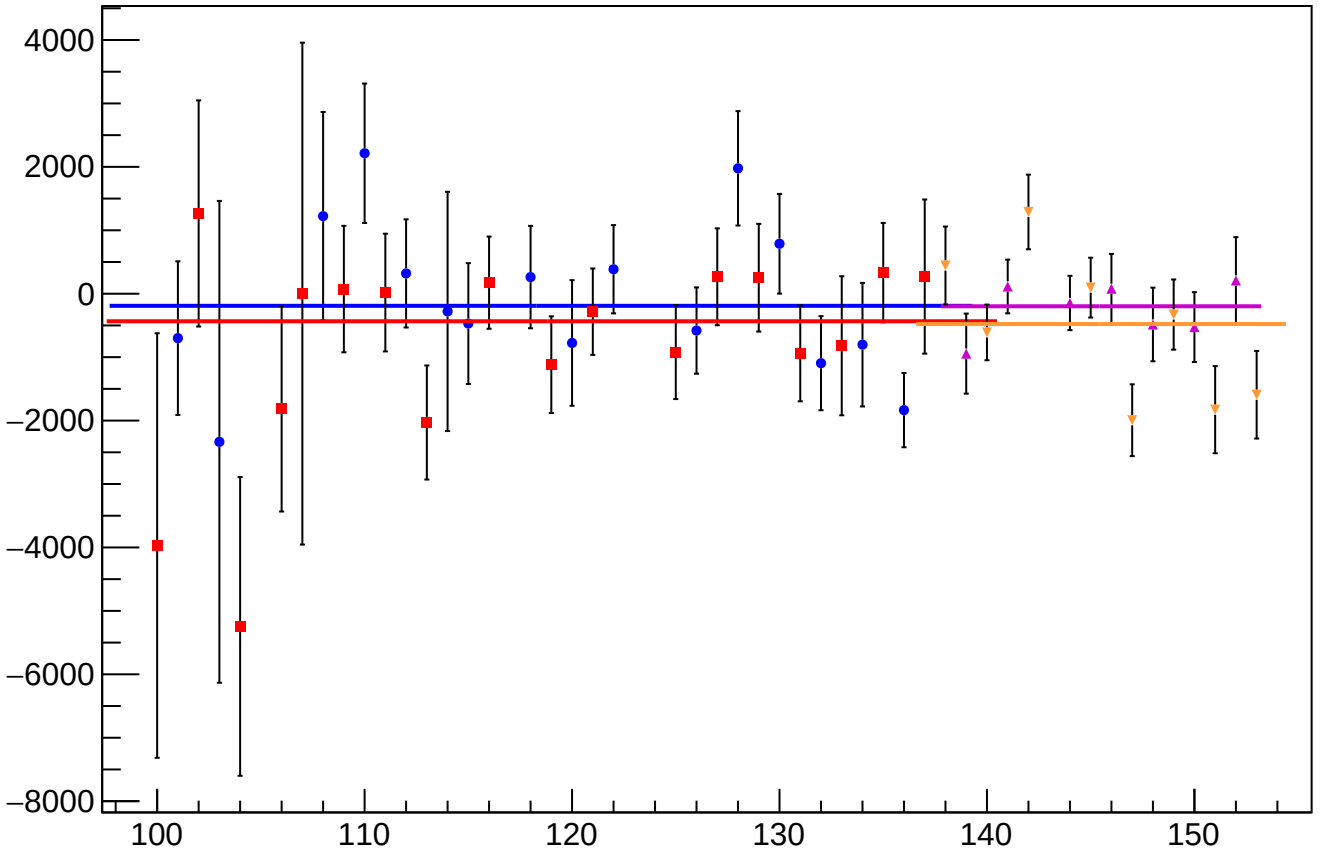
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.769+/-0.323 χ^2/NDF:1123.5/6

+ sign 1178.577+/-0.229 χ^2/NDF: 334122.2/23

All: 1187.553+/-0.163 χ^2/NDF: 862986.2/48

- sign 1196.871+/-0.233 χ^2/NDF: 525721.1/24



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -478.060+/-196.781 χ^2/NDF:26.5/7

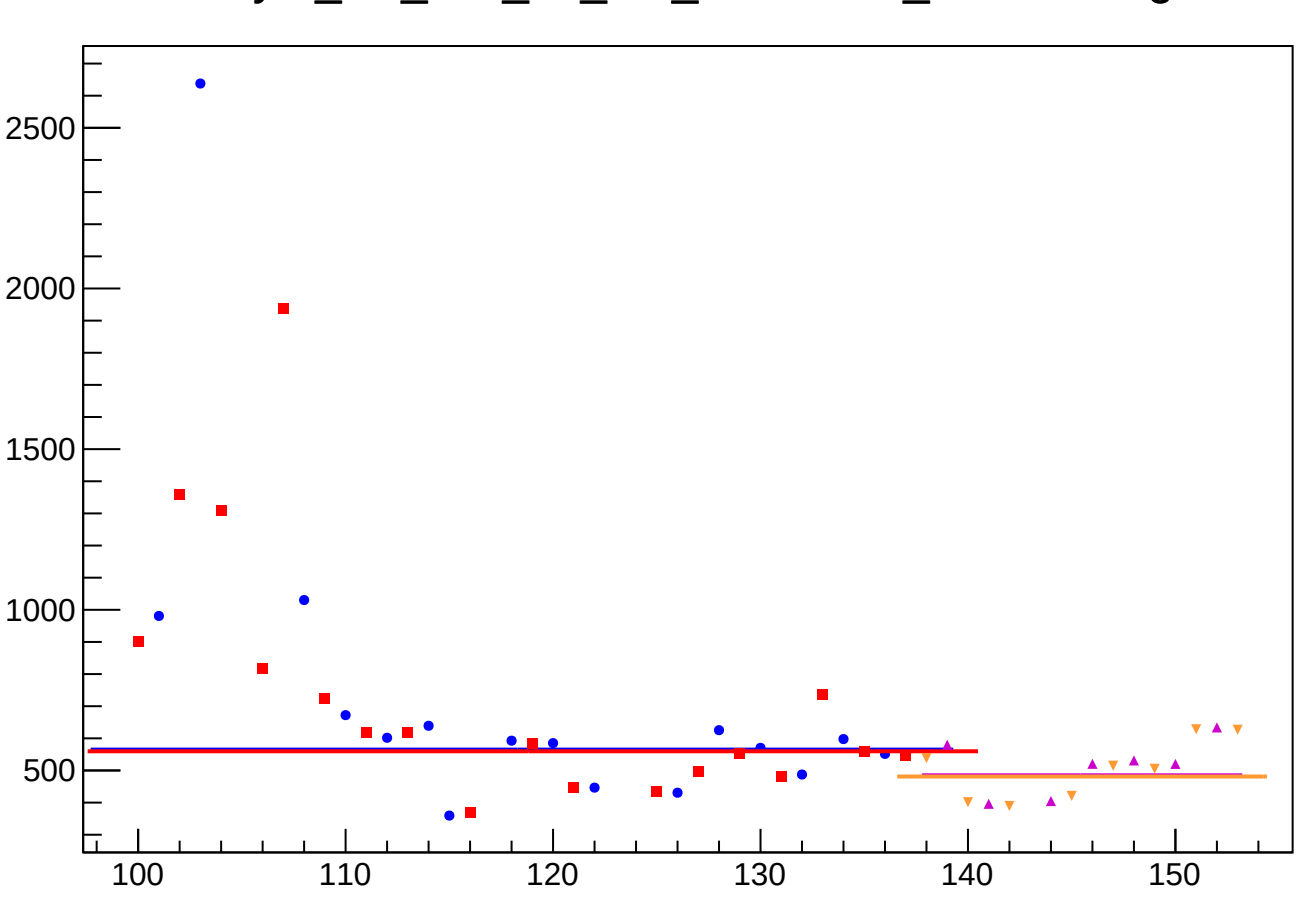
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -197.732+/-198.925 χ^2/NDF:3.2/6

+ sign -352.150+/-147.510 χ^2/NDF: 52.7/23

All: -327.305+/-104.691 χ^2/NDF: 72.5/48

- sign -302.089+/-148.607 χ^2/NDF: 19.7/24



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 481.186+/-0.139 χ^2/NDF:356191.9/7

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

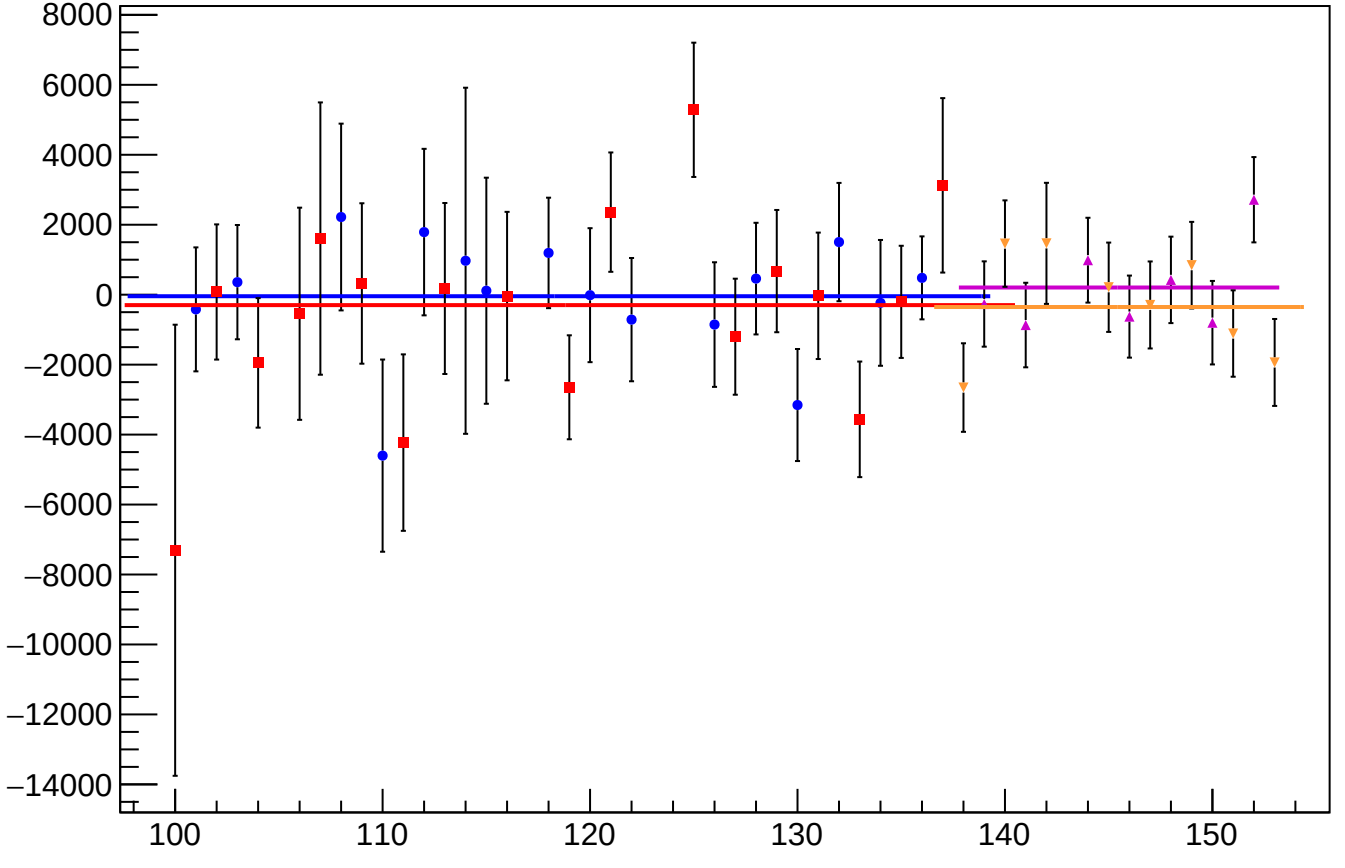
Left In: 485.014+/-0.141 χ^2/NDF:327717.5/6

+ sign 517.883+/-0.104 χ^2/NDF: 1799418.5/23

All: 517.963+/-0.074 χ^2/NDF: 3581271.3/48

- sign 518.045+/-0.105 χ^2/NDF: 1781851.6/24

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -352.542+/-455.112 χ^2/NDF:9.7/7

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

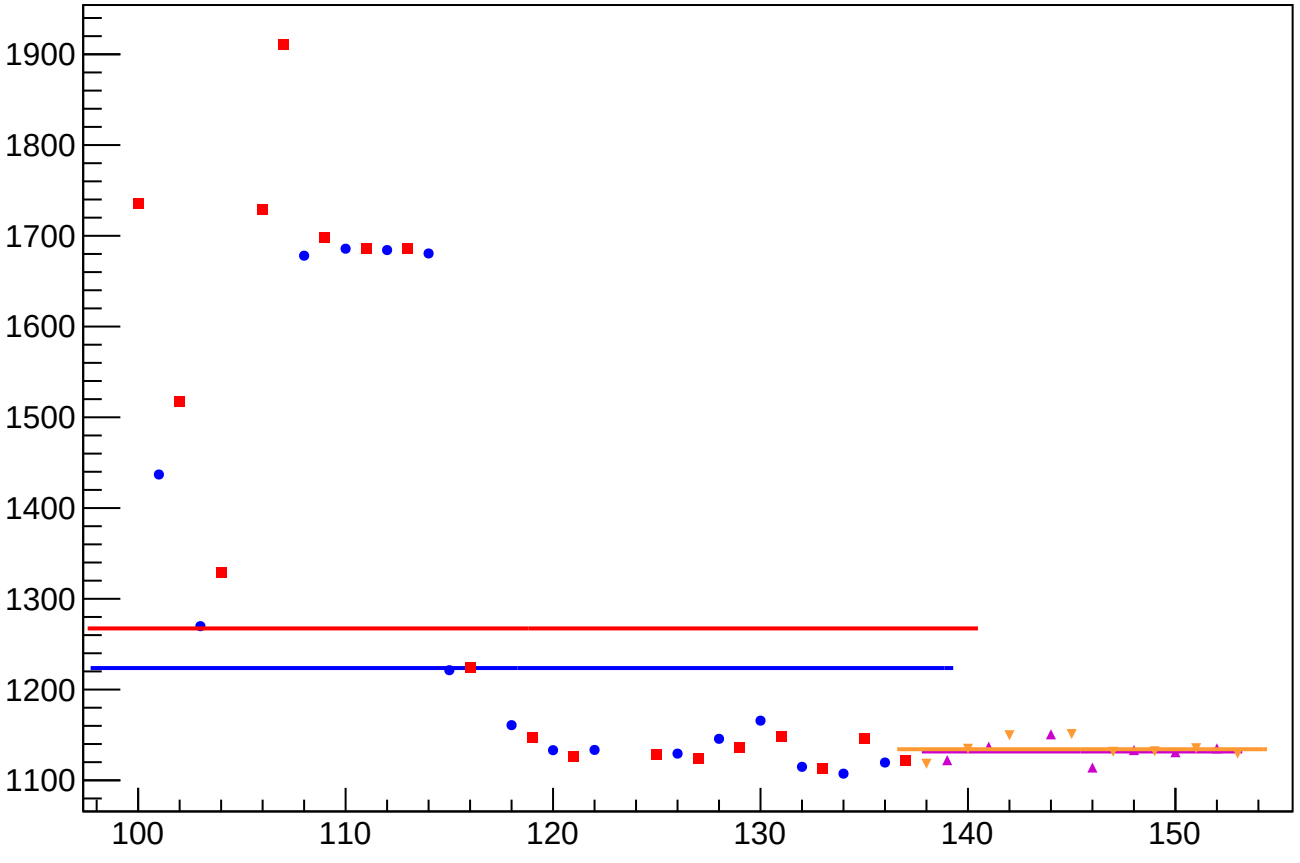
Left In: 205.247+/-456.784 χ^2/NDF:6.8/6

+ sign -199.619+/-323.256 χ^2/NDF: 20.0/23

All: -119.571+/-230.701 χ^2/NDF: 52.2/48

- sign -36.475+/-329.351 χ^2/NDF: 32.0/24

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.253+/-0.322 χ^2/NDF:871.9/7

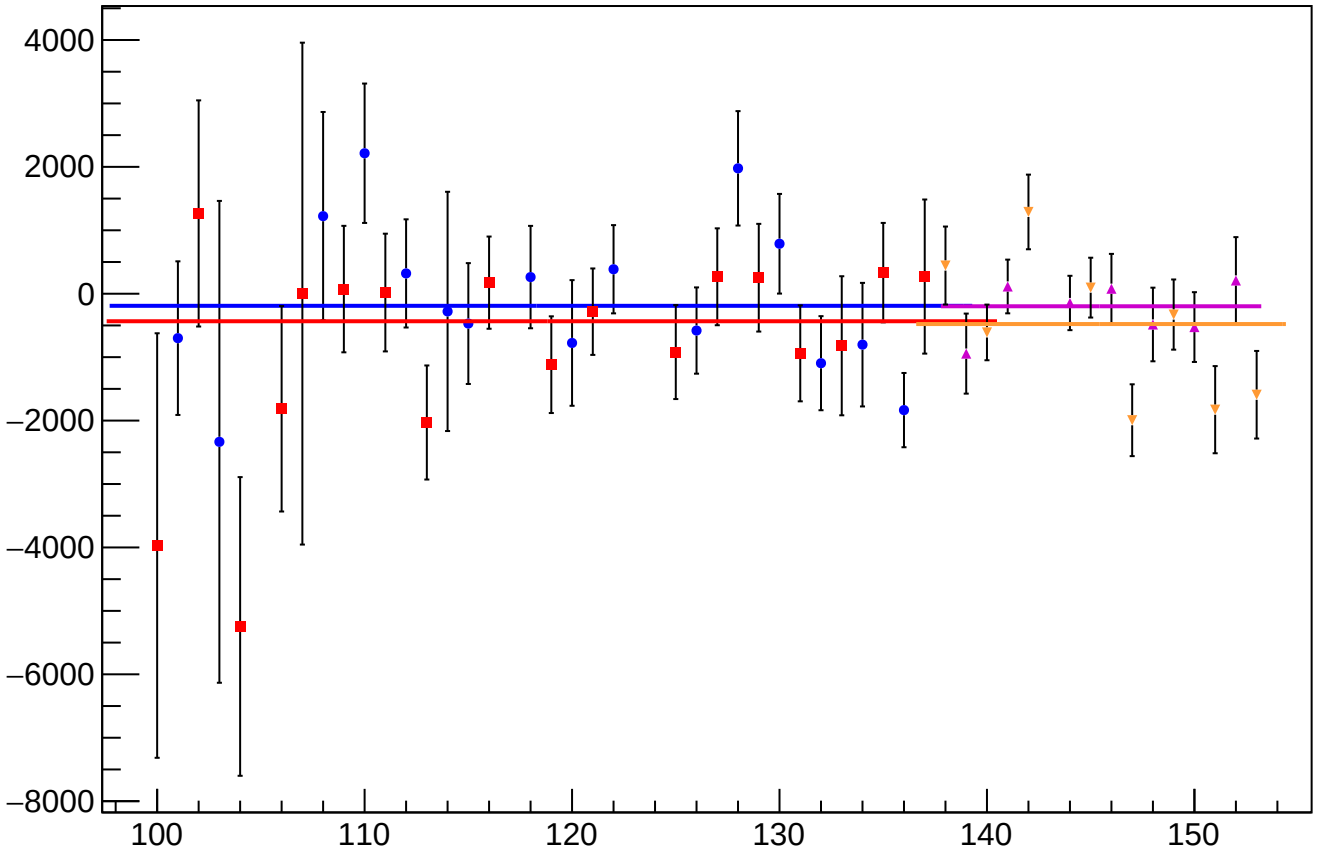
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.769+/-0.323 χ^2/NDF:1123.5/6

+ sign 1178.577+/-0.229 χ^2/NDF: 334122.2/23

All: 1187.553+/-0.163 χ^2/NDF: 862986.2/48

- sign 1196.871+/-0.233 χ^2/NDF: 525721.1/24



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -478.060+/-196.781 χ^2/NDF:26.5/7

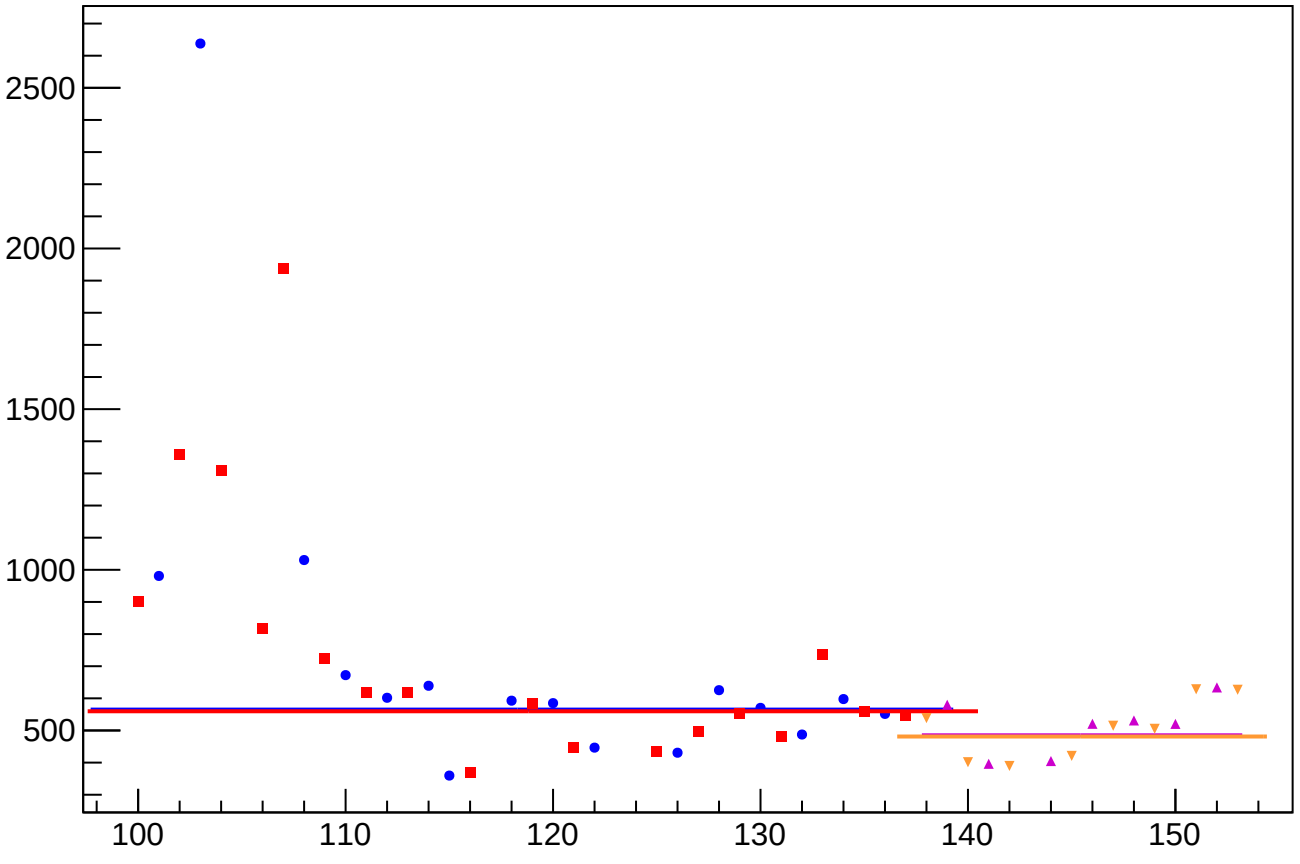
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -197.732+/-198.925 χ^2/NDF:3.2/6

+ sign -352.150+/-147.510 χ^2/NDF: 52.7/23

All: -327.305+/-104.691 χ^2/NDF: 72.5/48

- sign -302.089+/-148.607 χ^2/NDF: 19.7/24



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 481.186+/-0.139 χ^2/NDF:356191.9/7

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

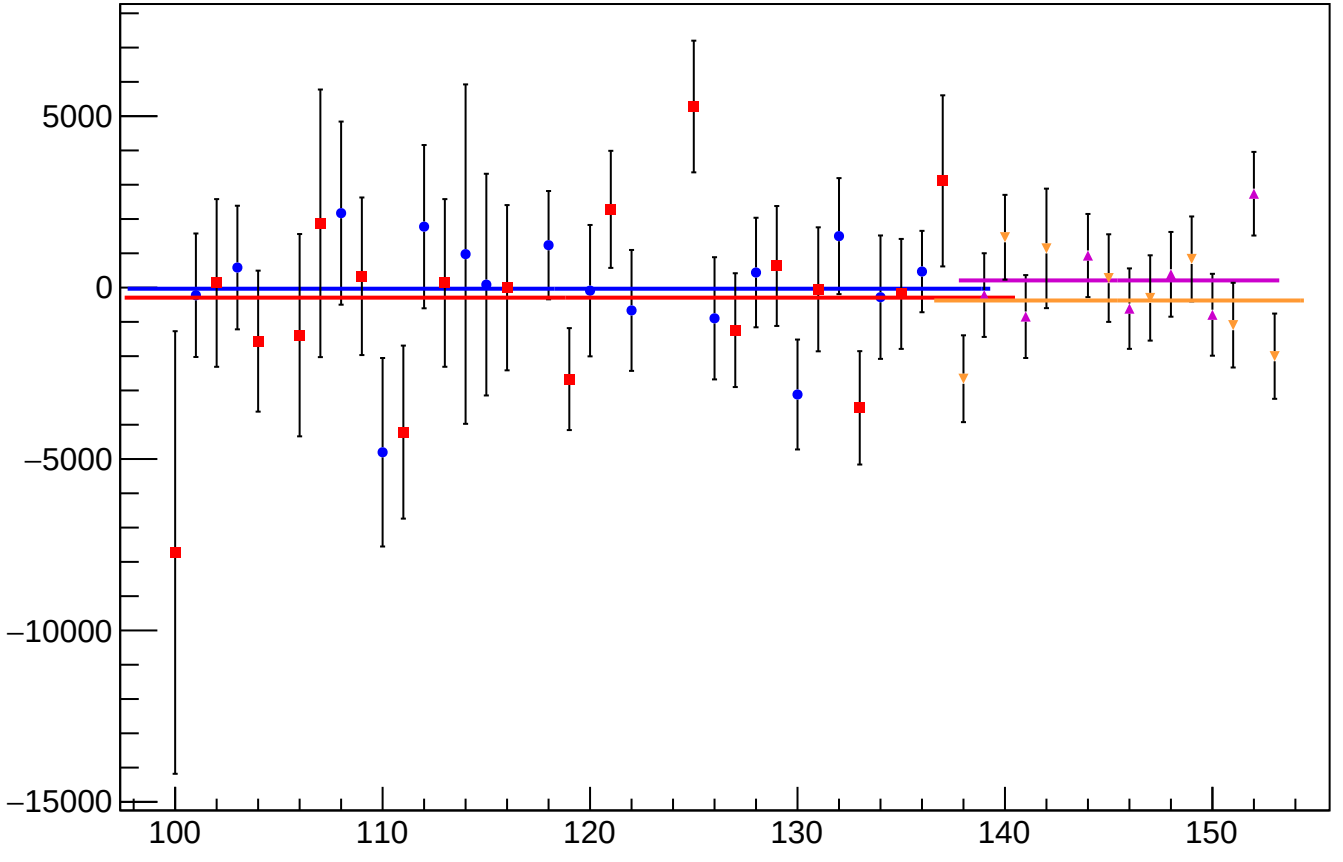
Left In: 485.014+/-0.141 χ^2/NDF:327717.5/6

\+ sign 517.883+/-0.104 χ^2/NDF: 1799418.5/23

All: 517.963+/-0.074 χ^2/NDF: 3581271.3/48

\- sign 518.045+/-0.105 χ^2/NDF: 1781851.6/24

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -376.200+/-455.498 χ^2/NDF:9.5/7

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

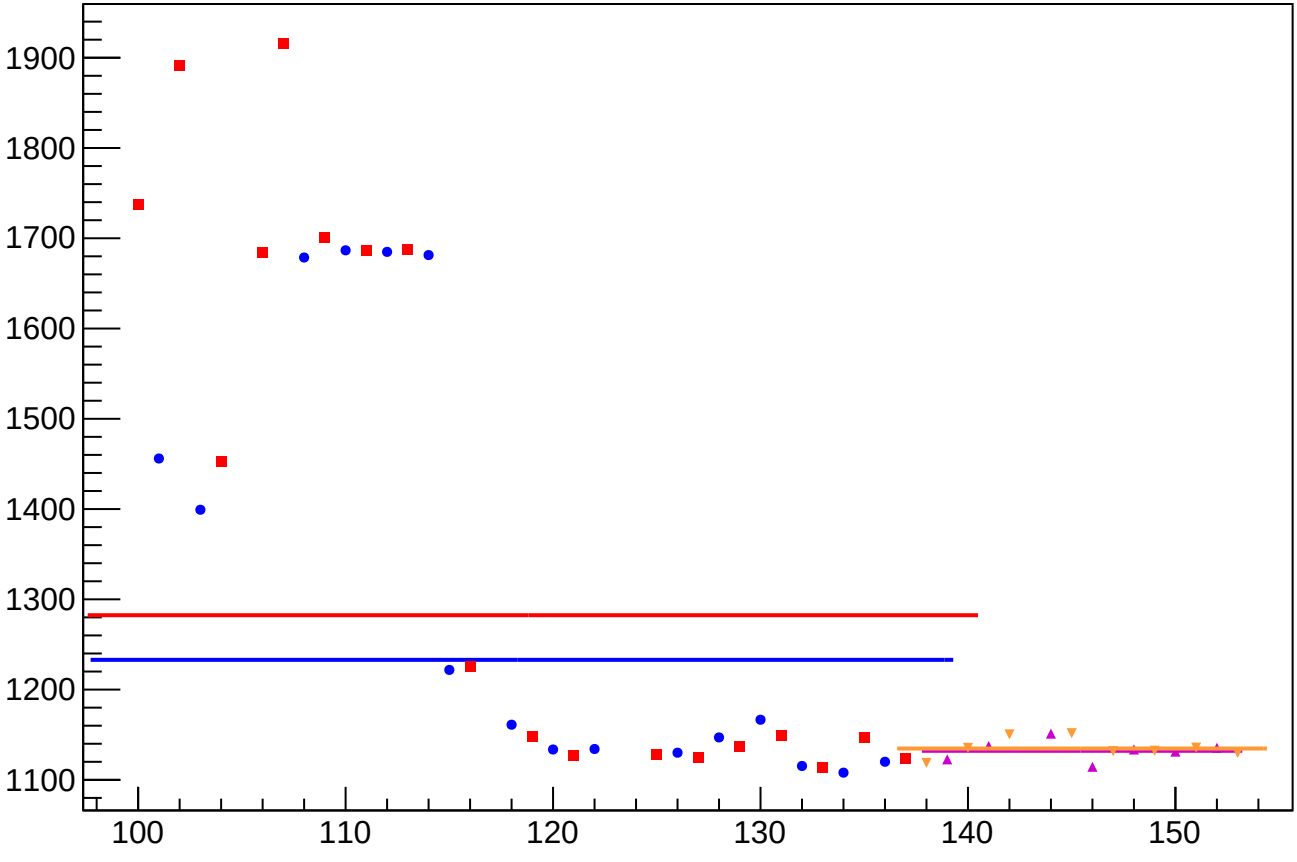
Left In: 209.299+/-456.956 χ^2/NDF:6.8/6

+ sign -207.514+/-324.780 χ^2/NDF: 20.0/23

All: -119.637+/-232.238 χ^2/NDF: 51.8/48

- sign -27.691+/-332.214 χ^2/NDF: 31.6/24

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1134.707+/-0.322 χ^2/NDF:882.0/7

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

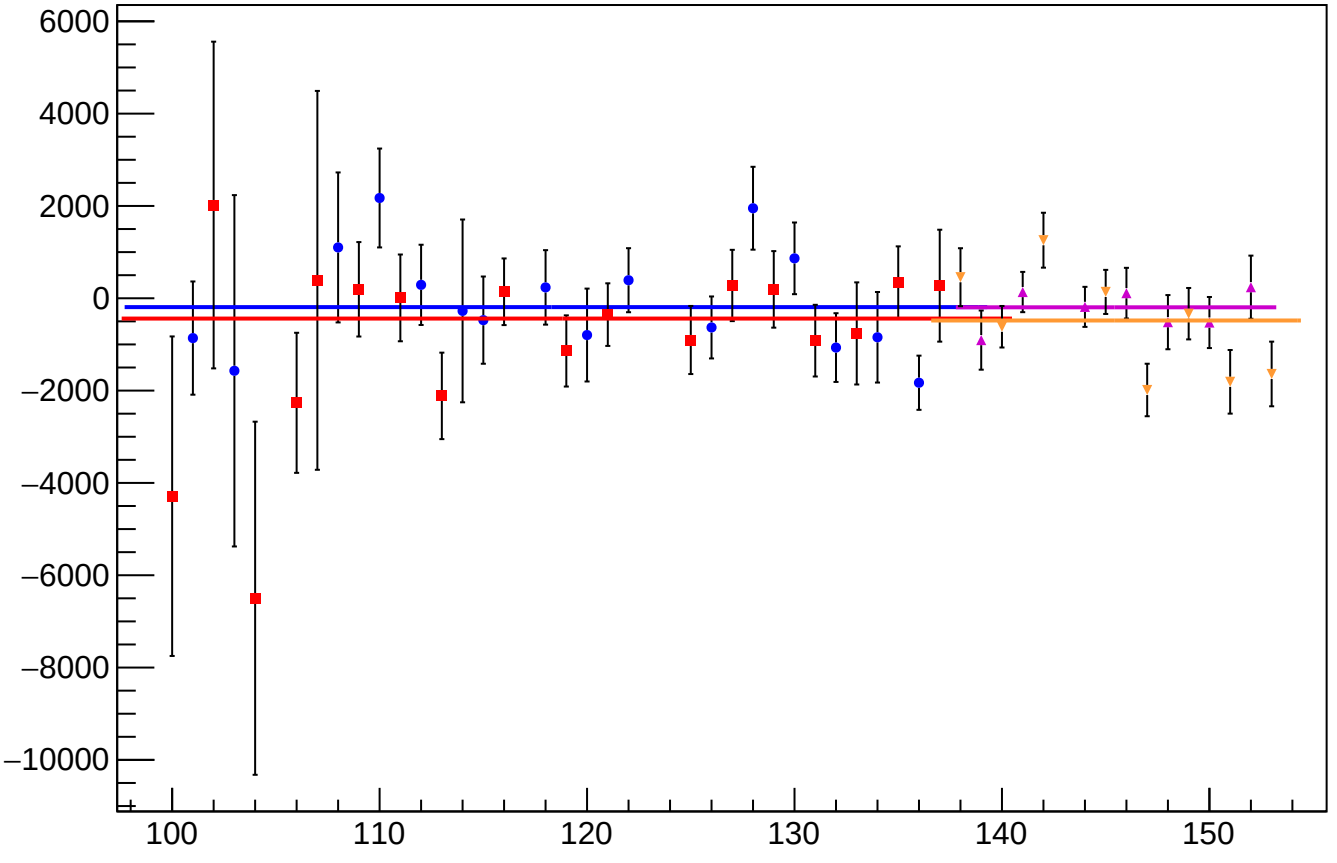
Left In: 1132.194+/-0.323 χ^2/NDF:1124.3/6

+ sign 1183.010+/-0.230 χ^2/NDF: 362104.3/23

All: 1192.785+/-0.164 χ^2/NDF: 1012229.1/48

- sign 1203.012+/-0.235 χ^2/NDF: 646418.0/24

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -481.243+/-199.389 χ^2/NDF:26.1/7

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

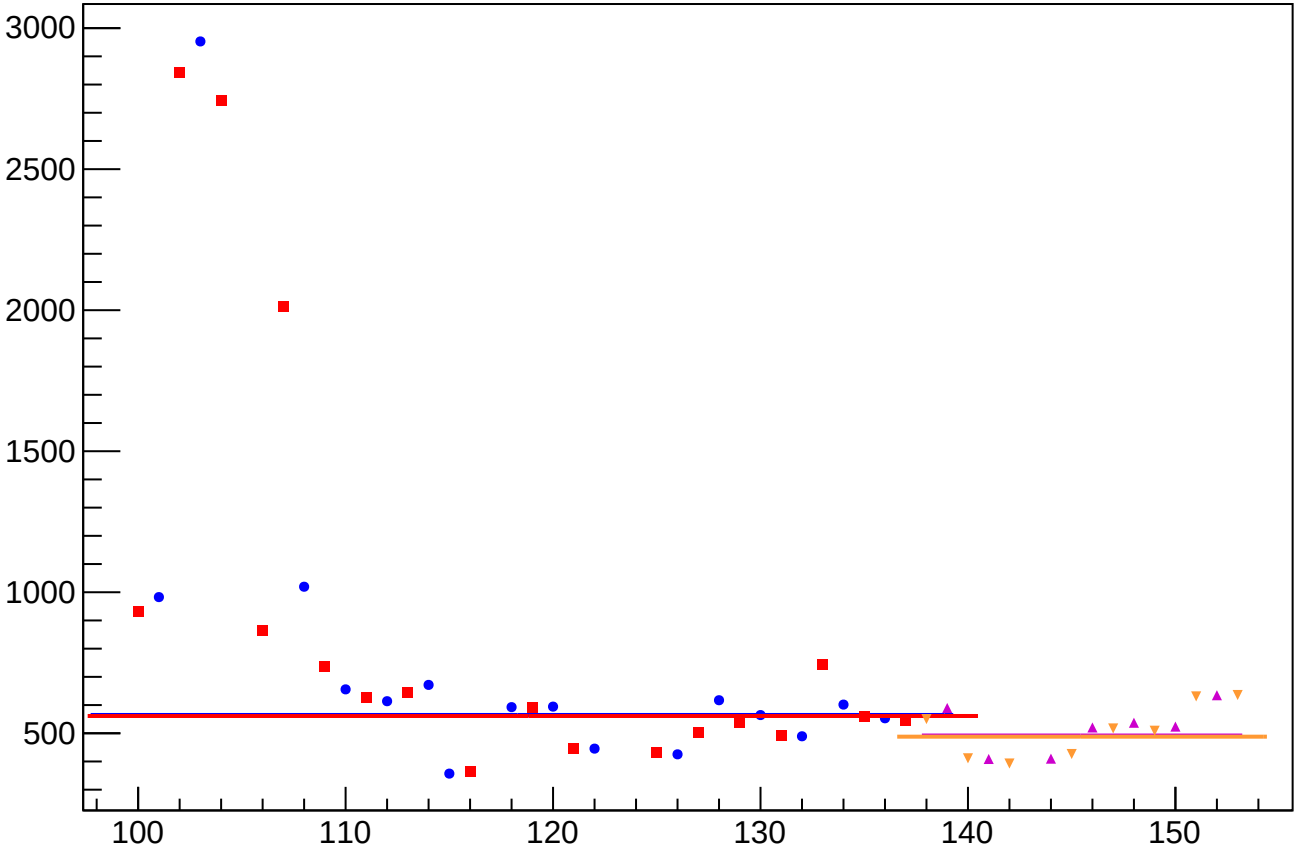
Left In: -195.693+/-201.500 χ^2/NDF:3.2/6

+ sign -352.378+/-148.568 χ^2/NDF: 52.3/23

All: -328.218+/-105.757 χ^2/NDF: 70.8/48

- sign -303.399+/-150.578 χ^2/NDF: 18.5/24

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 487.947+/-0.141 χ^2/NDF:345206.7/7

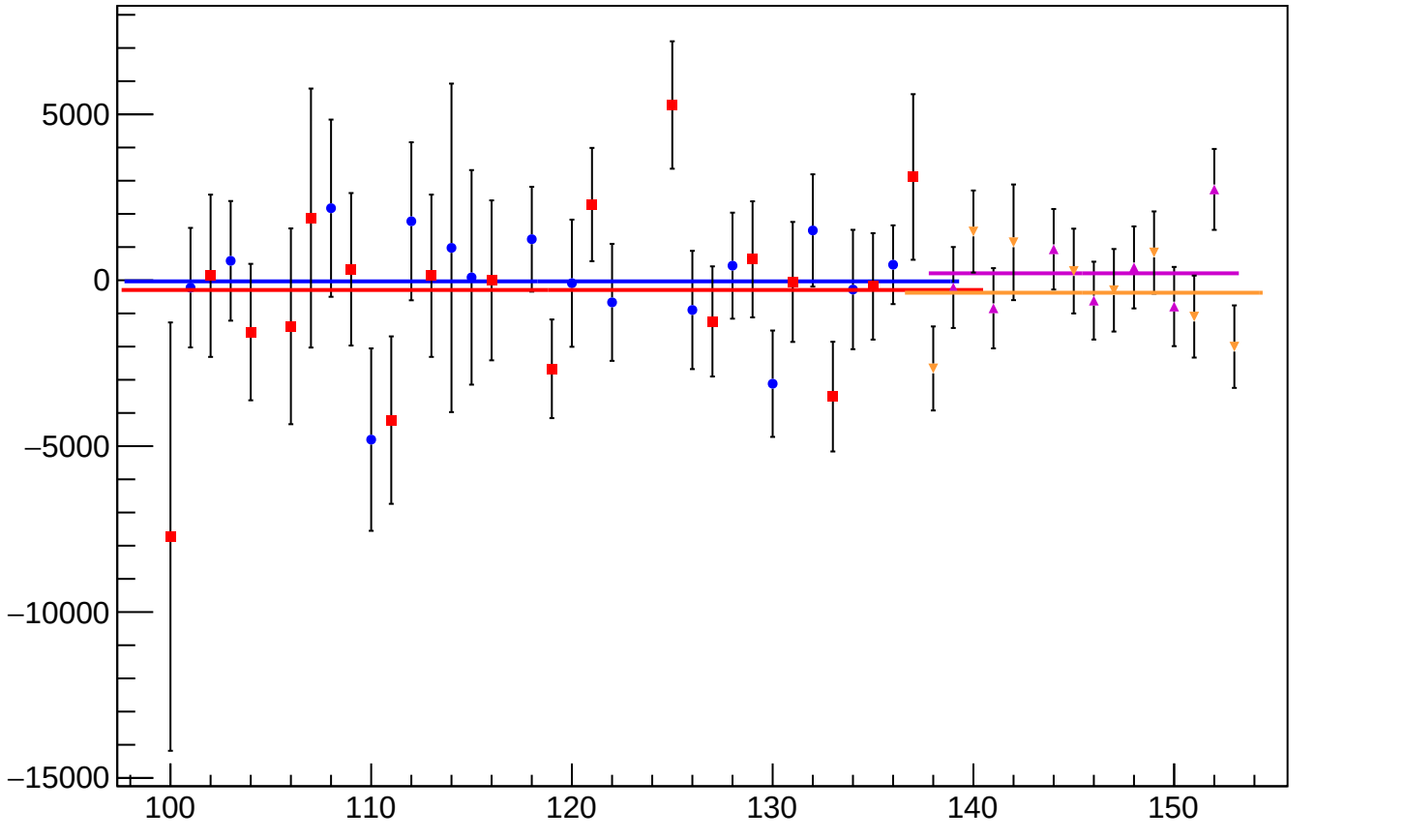
Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 492.046+/-0.142 χ^2/NDF:301591.3/6

+ sign 522.163+/-0.105 χ^2/NDF: 1957988.9/23

All: 522.386+/-0.075 χ^2/NDF: 4637199.9/48

- sign 522.615+/-0.106 χ^2/NDF: 2679201.9/24



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -376.203+/-455.498 χ^2/NDF:9.5/7

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

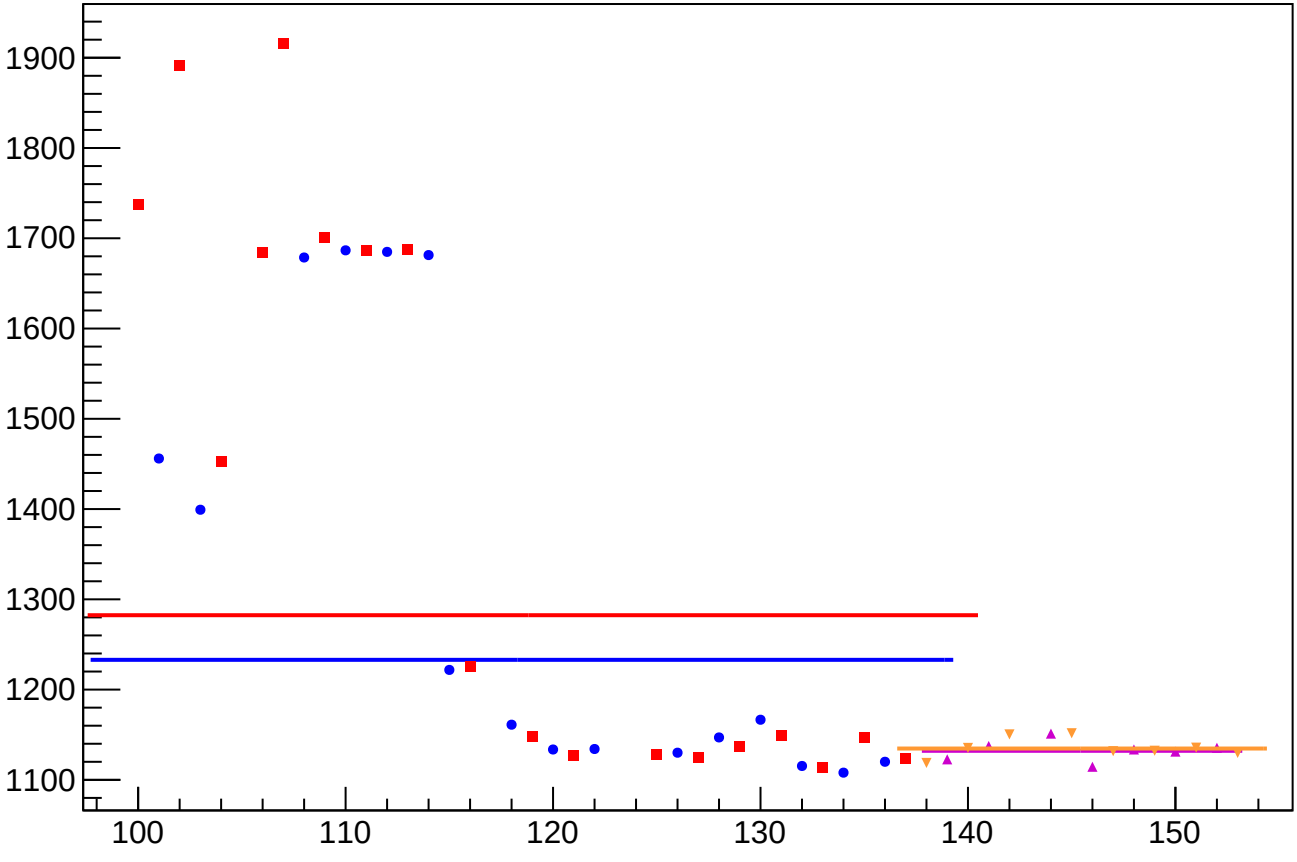
Left In: 209.298+/-456.956 χ^2/NDF:6.8/6

+ sign -207.515+/-324.780 χ^2/NDF: 20.0/23

All: -119.638+/-232.238 χ^2/NDF: 51.8/48

- sign -27.692+/-332.214 χ^2/NDF: 31.6/24

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1134.707+/-0.322 χ^2/NDF:882.0/7

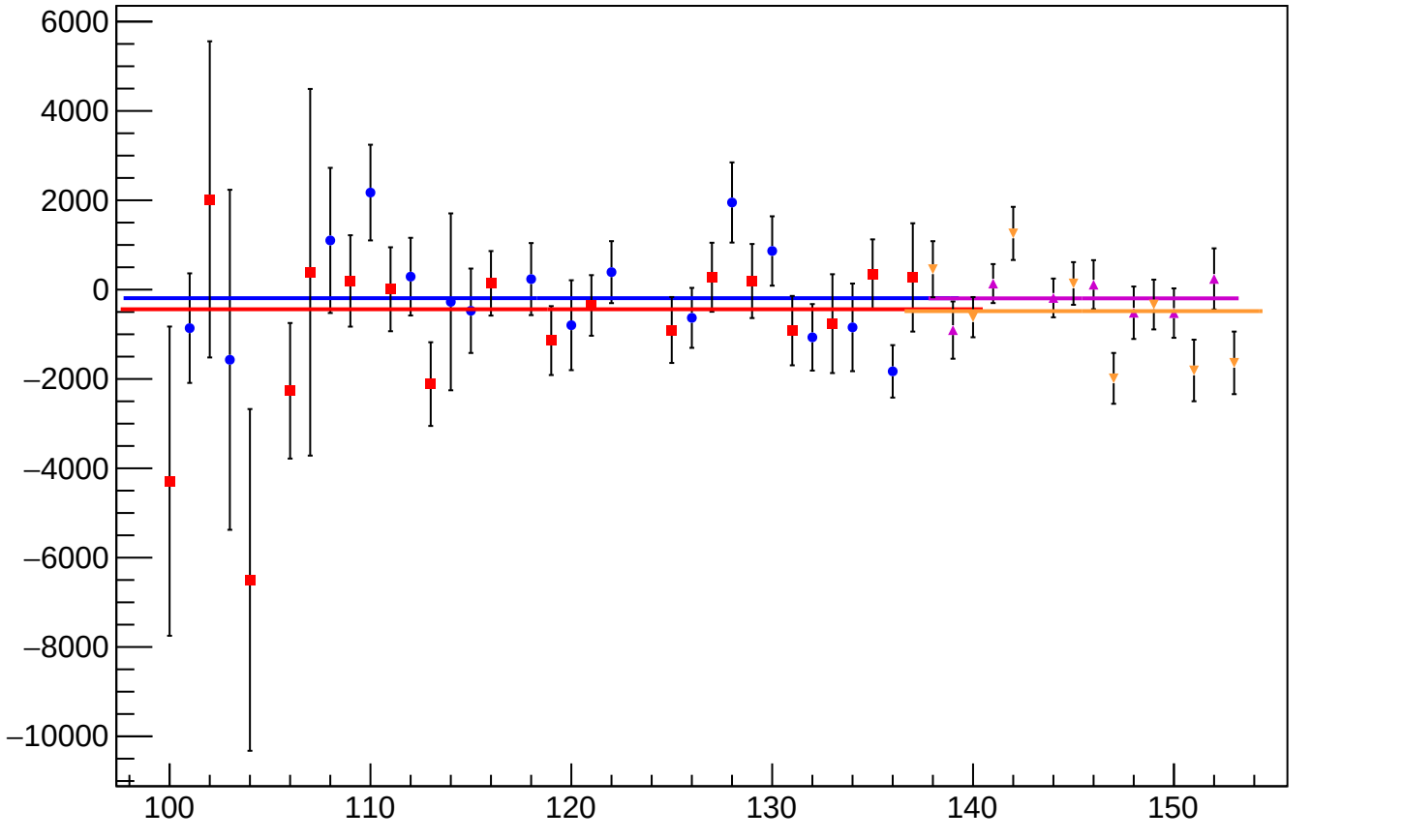
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1132.194+/-0.323 χ^2/NDF:1124.3/6

+ sign 1183.010+/-0.230 χ^2/NDF: 362103.8/23

All: 1192.785+/-0.164 χ^2/NDF: 1012228.0/48

- sign 1203.012+/-0.235 χ^2/NDF: 646417.3/24



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -481.241+/-199.388 χ^2/NDF:26.1/7

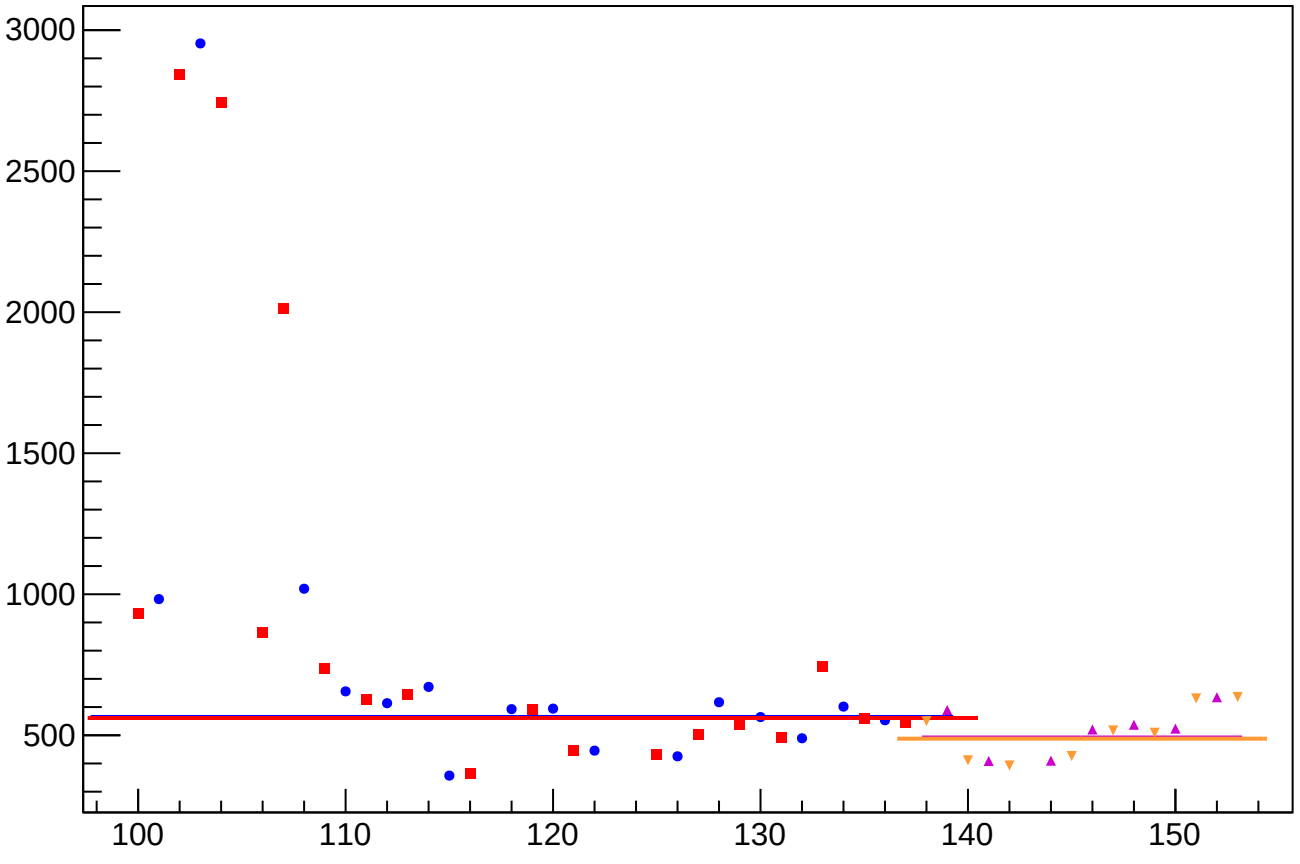
Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: -195.692+/-201.500 χ^2/NDF:3.2/6

+ sign -352.377+/-148.568 χ^2/NDF: 52.3/23

All: -328.217+/-105.757 χ^2/NDF: 70.8/48

- sign -303.399+/-150.578 χ^2/NDF: 18.5/24



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 487.946+/-0.141 χ^2/NDF:345220.0/7

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

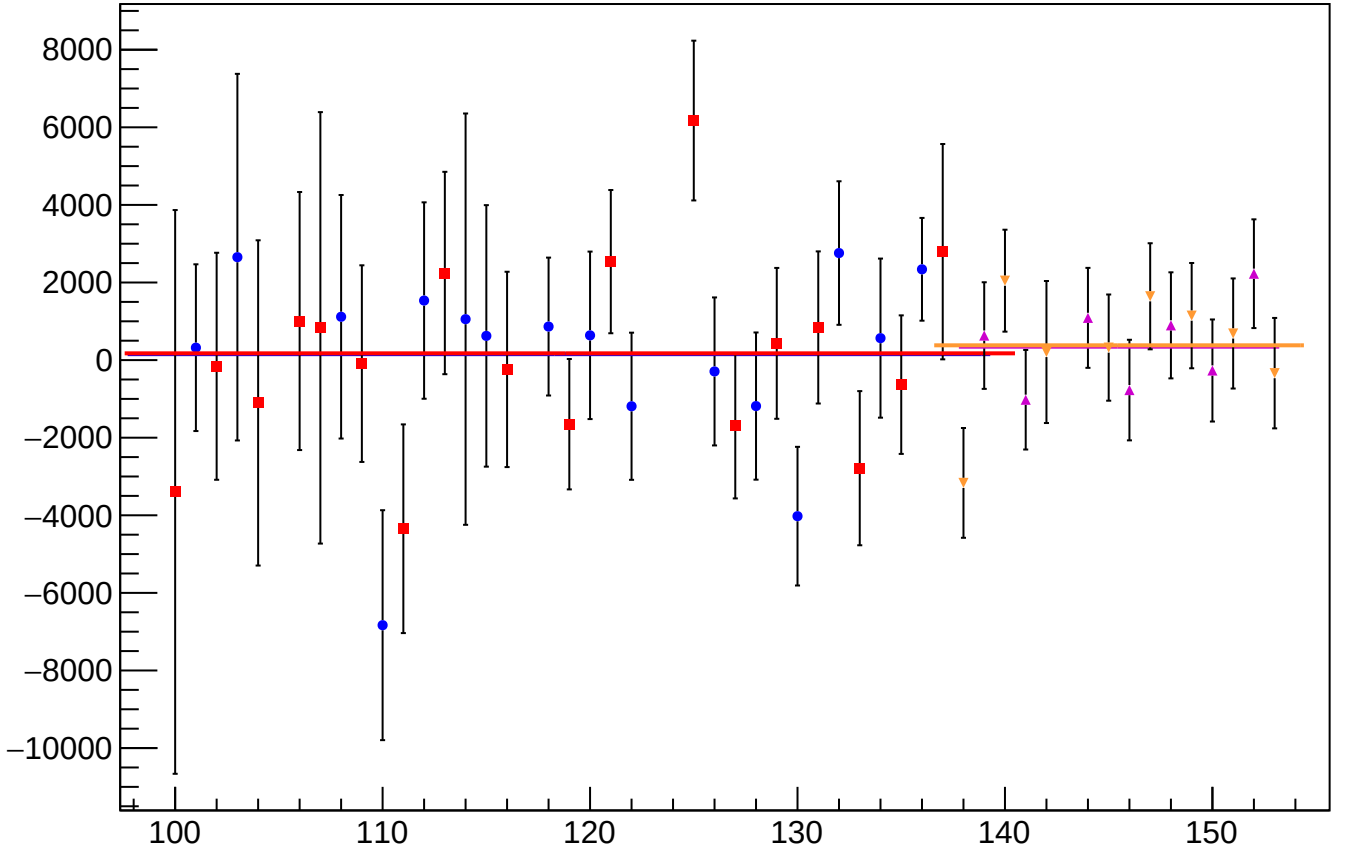
Left In: 492.045+/-0.142 χ^2/NDF:301600.2/6

+ sign 522.162+/-0.105 χ^2/NDF: 1958002.6/23

All: 522.385+/-0.075 χ^2/NDF: 4637224.8/48

- sign 522.614+/-0.106 χ^2/NDF: 2679213.1/24

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 381.128+/-501.276 χ^2/NDF:9.4/7

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

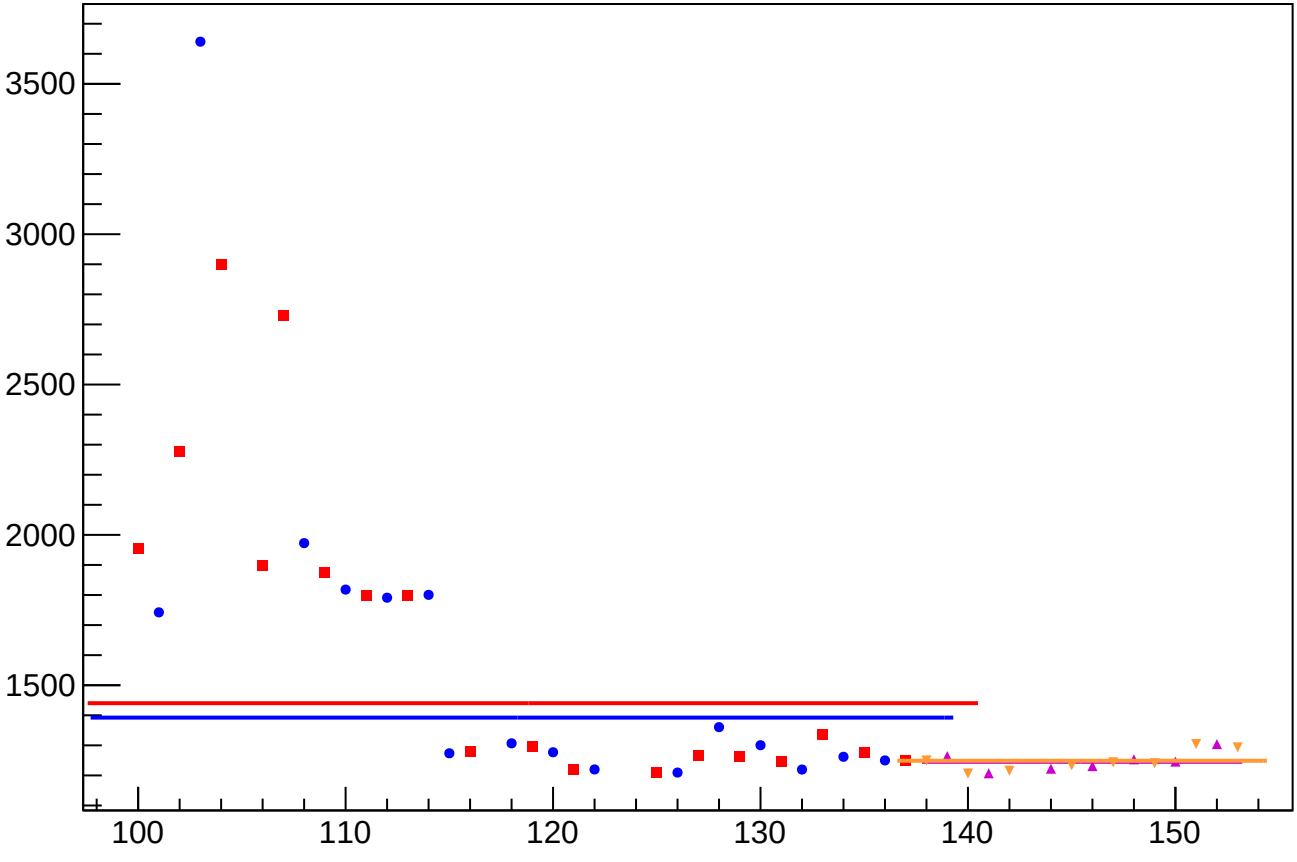
Left In: 346.052+/-502.711 χ^2/NDF:4.4/6

\+ sign 274.038+/-364.865 χ^2/NDF: 27.2/23

All: 271.025+/-260.179 χ^2/NDF: 51.4/48

\- sign 267.908+/-371.111 χ^2/NDF: 24.2/24

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1248.845+/-0.354 χ^2/NDF:8105.3/7

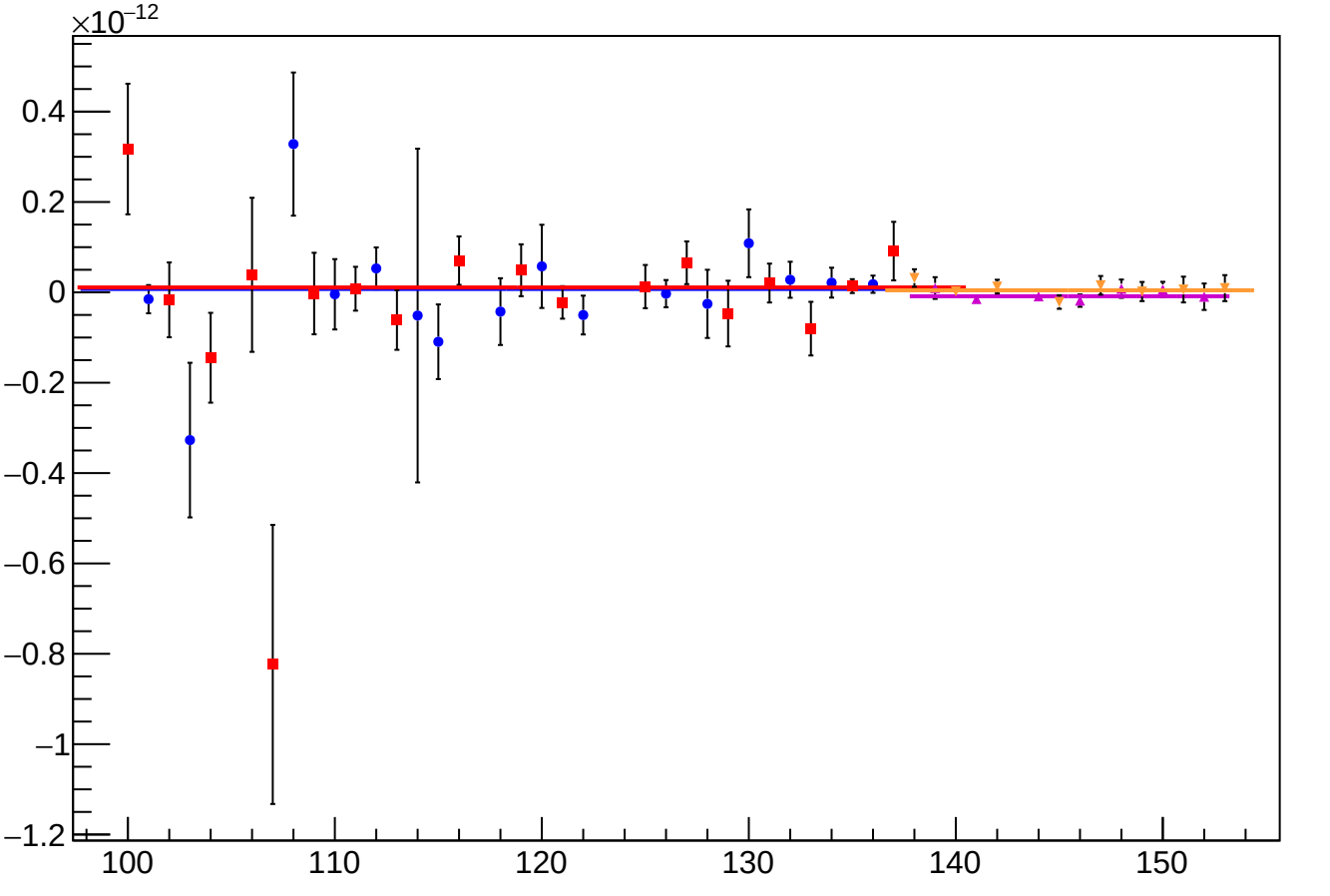
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1245.214+/-0.355 χ^2/NDF:6628.1/6

+ sign 1316.297+/-0.258 χ^2/NDF: 864363.0/23

All: 1324.973+/-0.184 χ^2/NDF: 1865121.5/48

- sign 1333.949+/-0.262 χ^2/NDF: 998457.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/7

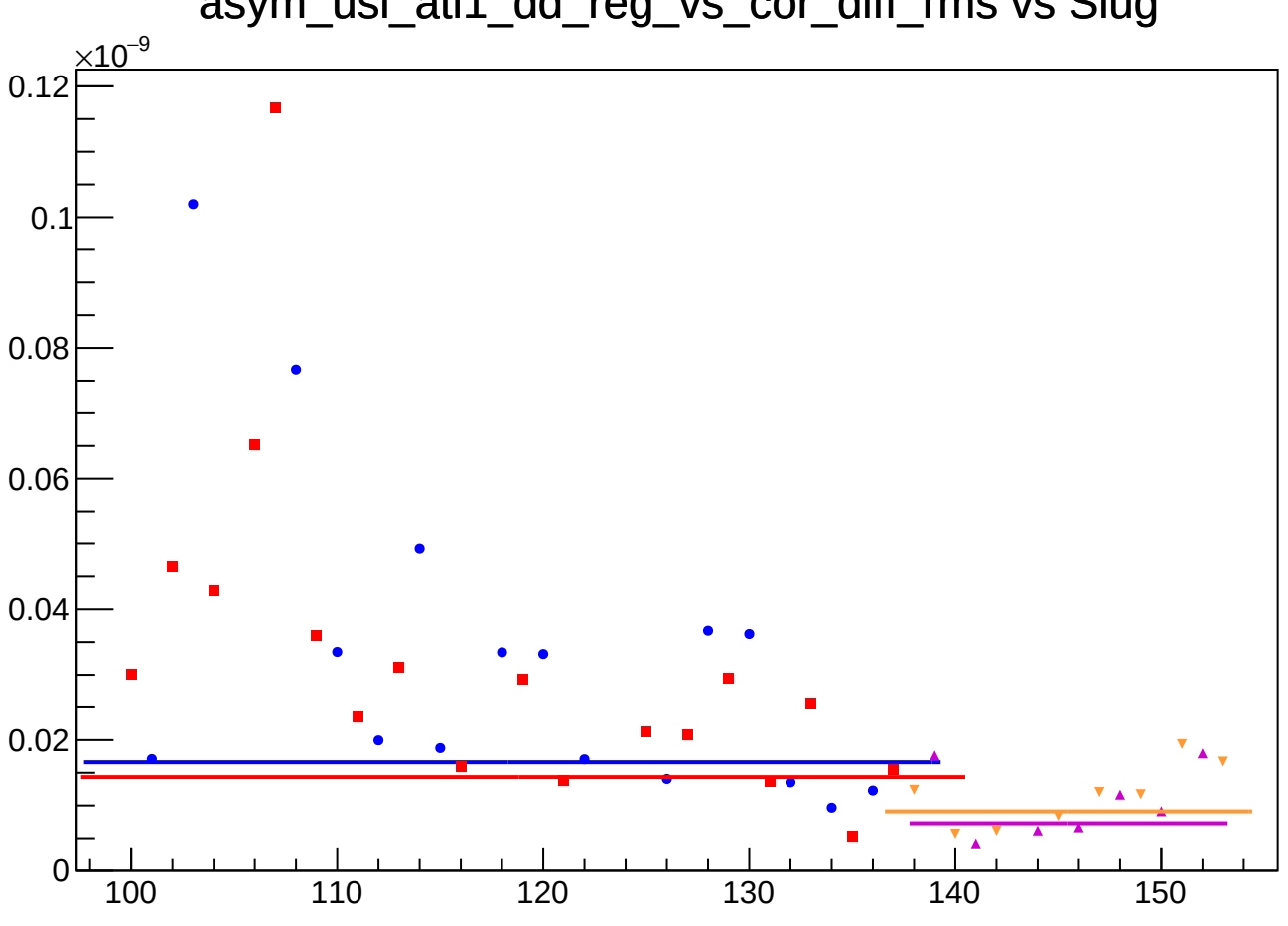
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.5/23

All: -0.000+/-0.000 χ^2/NDF: 54.1/48

- sign -0.000+/-0.000 χ^2/NDF: 29.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:797934.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

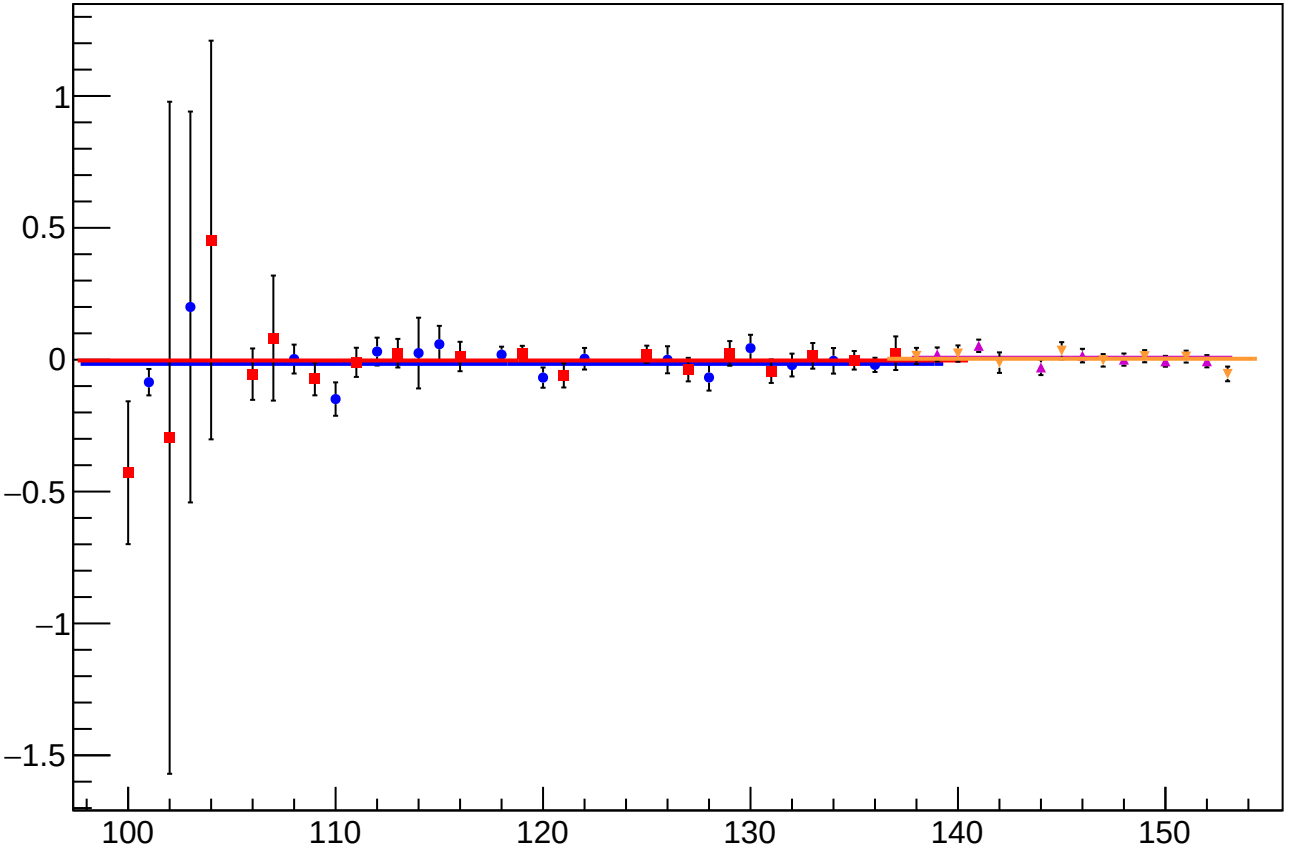
Left In: 0.000+/-0.000 χ^2/NDF:996305.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 3096999.2/23

All: 0.000+/-0.000 χ^2/NDF: 7237764.0/48

- sign 0.000+/-0.000 χ^2/NDF: 3957819.3/24

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.010 χ^2/NDF:6.2/7

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

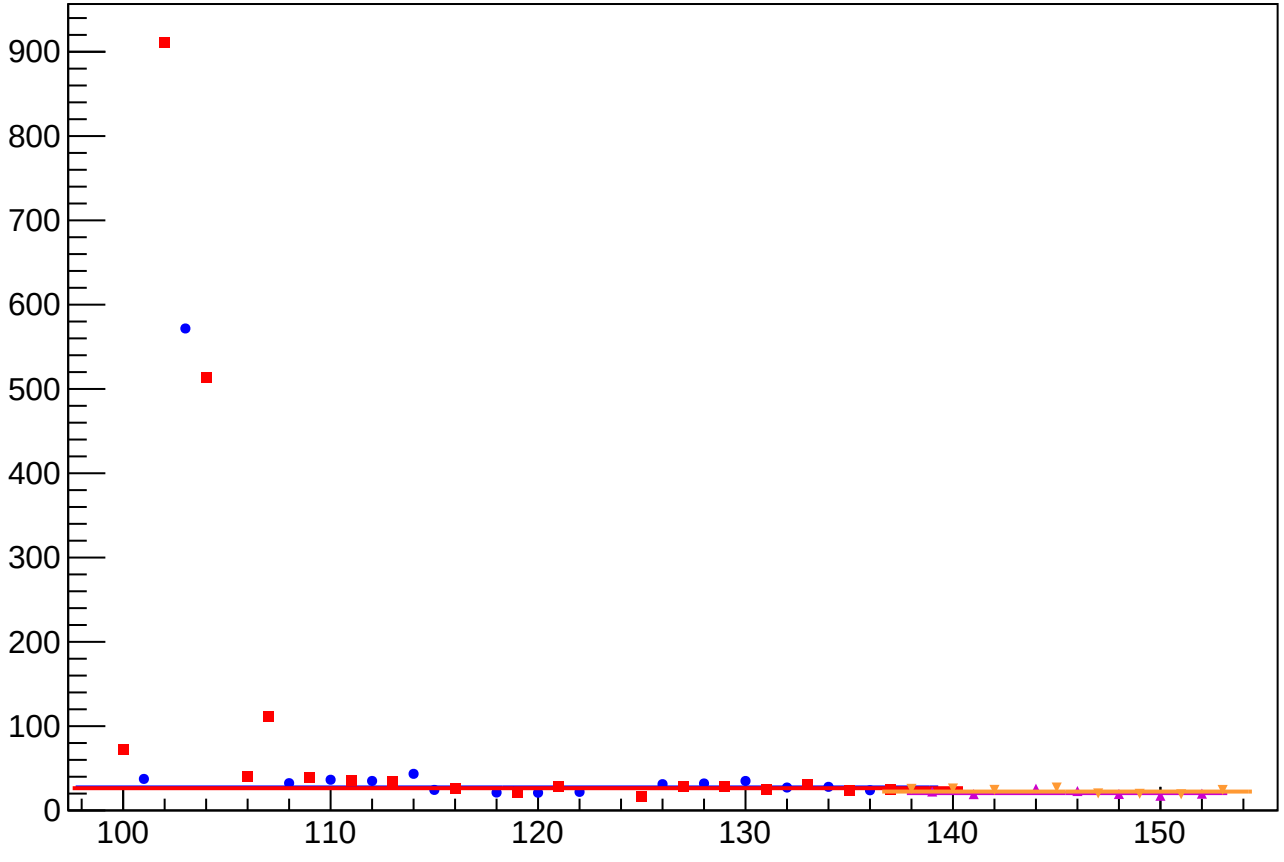
Left In: 0.007+/-0.009 χ^2/NDF:6.5/6

+ sign -0.004+/-0.007 χ^2/NDF: 22.5/23

All: -0.000+/-0.005 χ^2/NDF: 39.9/48

- sign 0.004+/-0.007 χ^2/NDF: 16.8/24

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.403+/-0.007 χ^2/NDF:192707.0/7

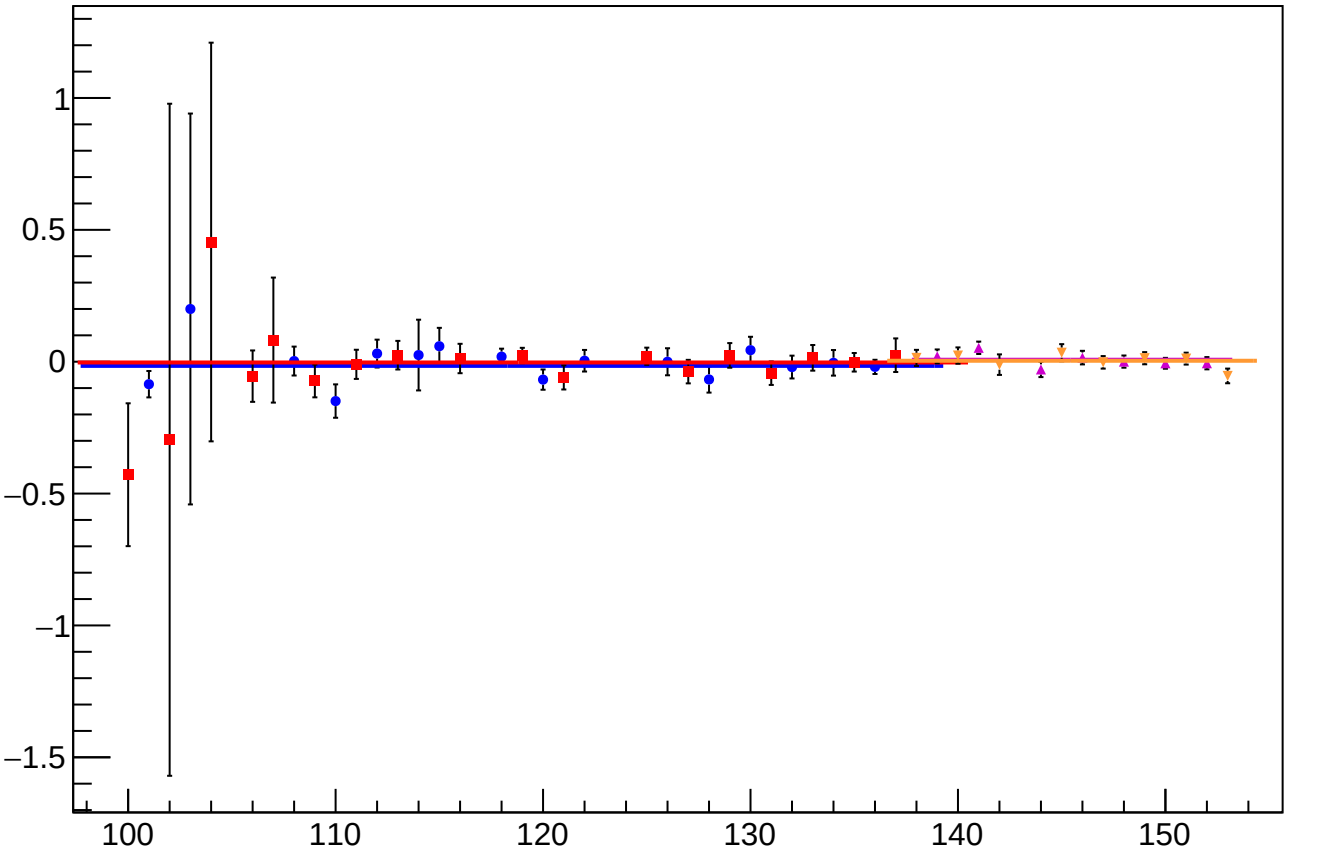
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.579+/-0.006 χ^2/NDF:151452.8/6

+ sign 24.430+/-0.005 χ^2/NDF: 1971966.5/23

All: 23.548+/-0.004 χ^2/NDF: 5090708.4/48

- sign 22.706+/-0.005 χ^2/NDF: 3063701.3/24



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.010 χ^2/NDF:6.2/7

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

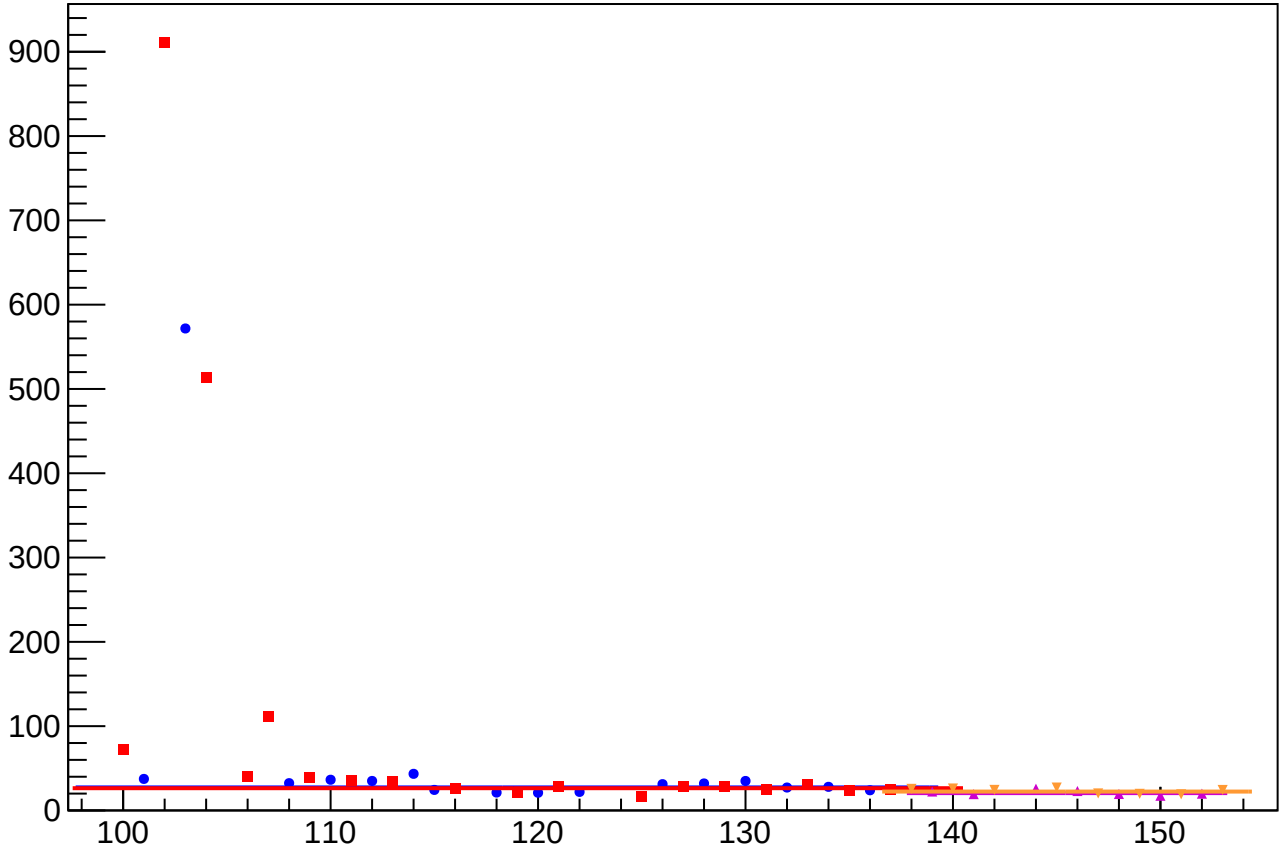
Left In: 0.007+/-0.009 χ^2/NDF:6.5/6

+ sign -0.004+/-0.007 χ^2/NDF: 22.5/23

All: -0.000+/-0.005 χ^2/NDF: 39.9/48

- sign 0.004+/-0.007 χ^2/NDF: 16.8/24

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.403+/-0.007 χ^2/NDF:192707.0/7

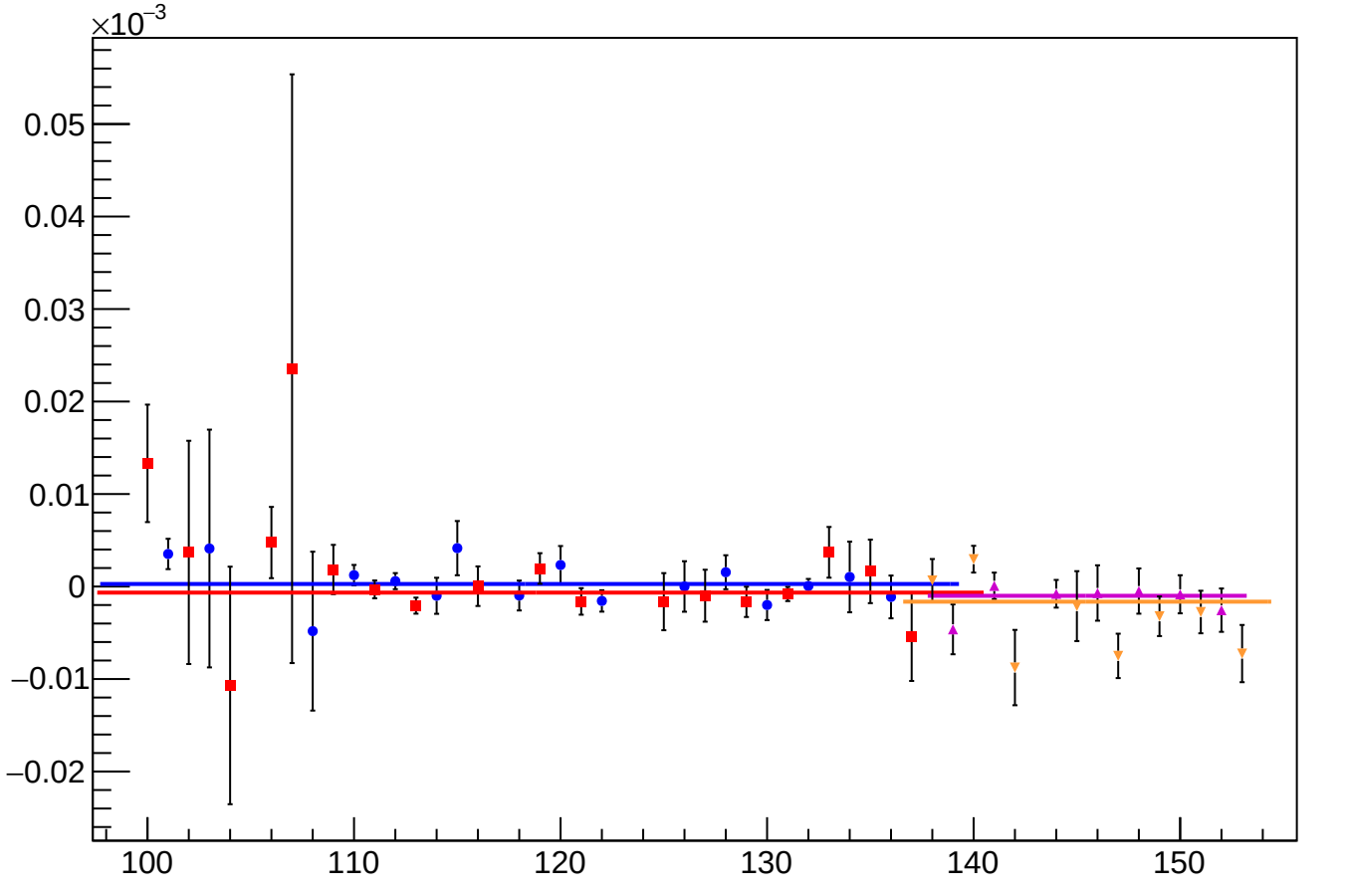
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.579+/-0.006 χ^2/NDF:151452.8/6

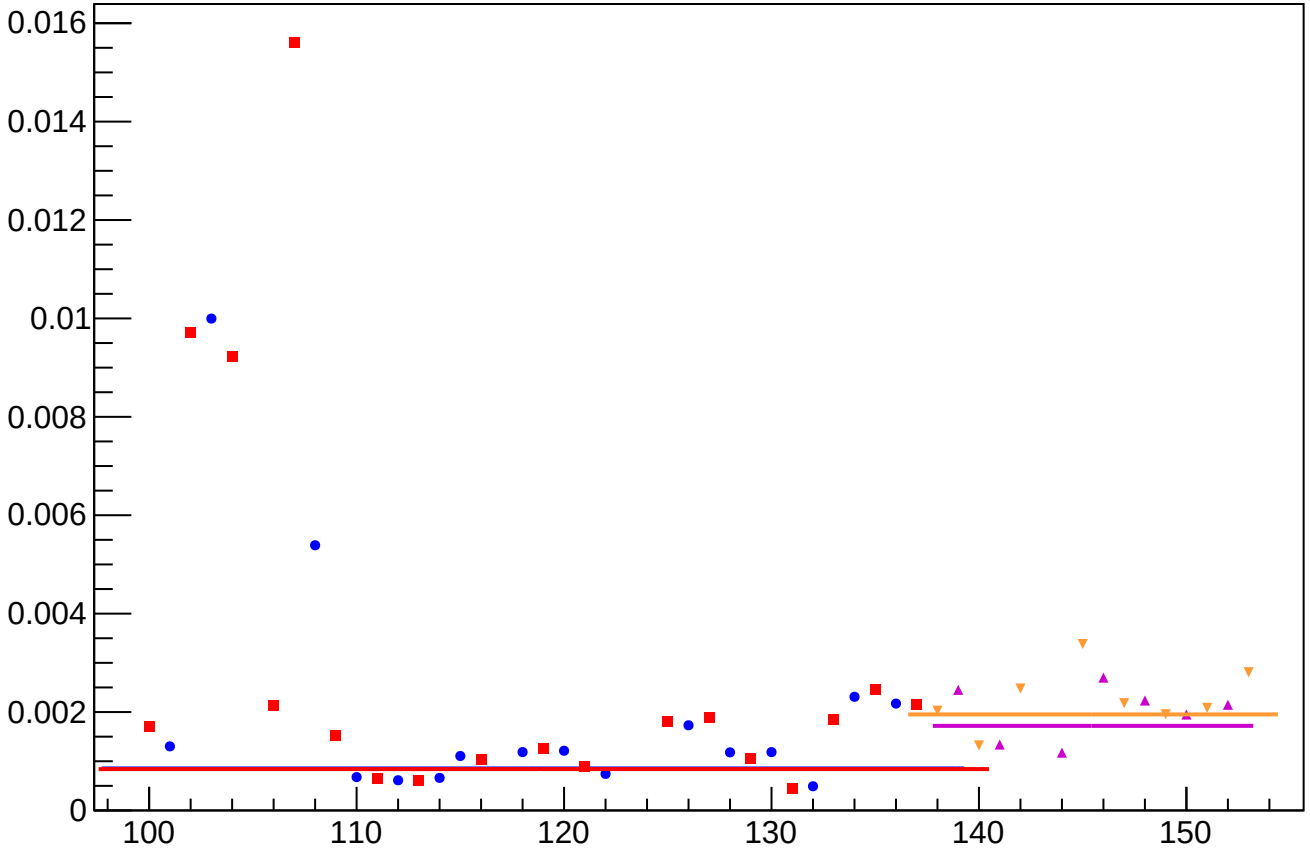
+ sign 24.430+/-0.005 χ^2/NDF: 1971966.5/23

All: 23.548+/-0.004 χ^2/NDF: 5090708.4/48

- sign 22.706+/-0.005 χ^2/NDF: 3063701.3/24


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:24.2/7
Right Out: -0.000+/-0.000 χ²/NDF: 19.3/17
Left In: -0.000+/-0.000 χ²/NDF:2.9/6
+ sign -0.000+/-0.000 χ²/NDF: 43.1/23
All: -0.000+/-0.000 χ²/NDF: 67.3/48
- sign -0.000+/-0.000 χ²/NDF: 22.3/24

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:879402.2/7

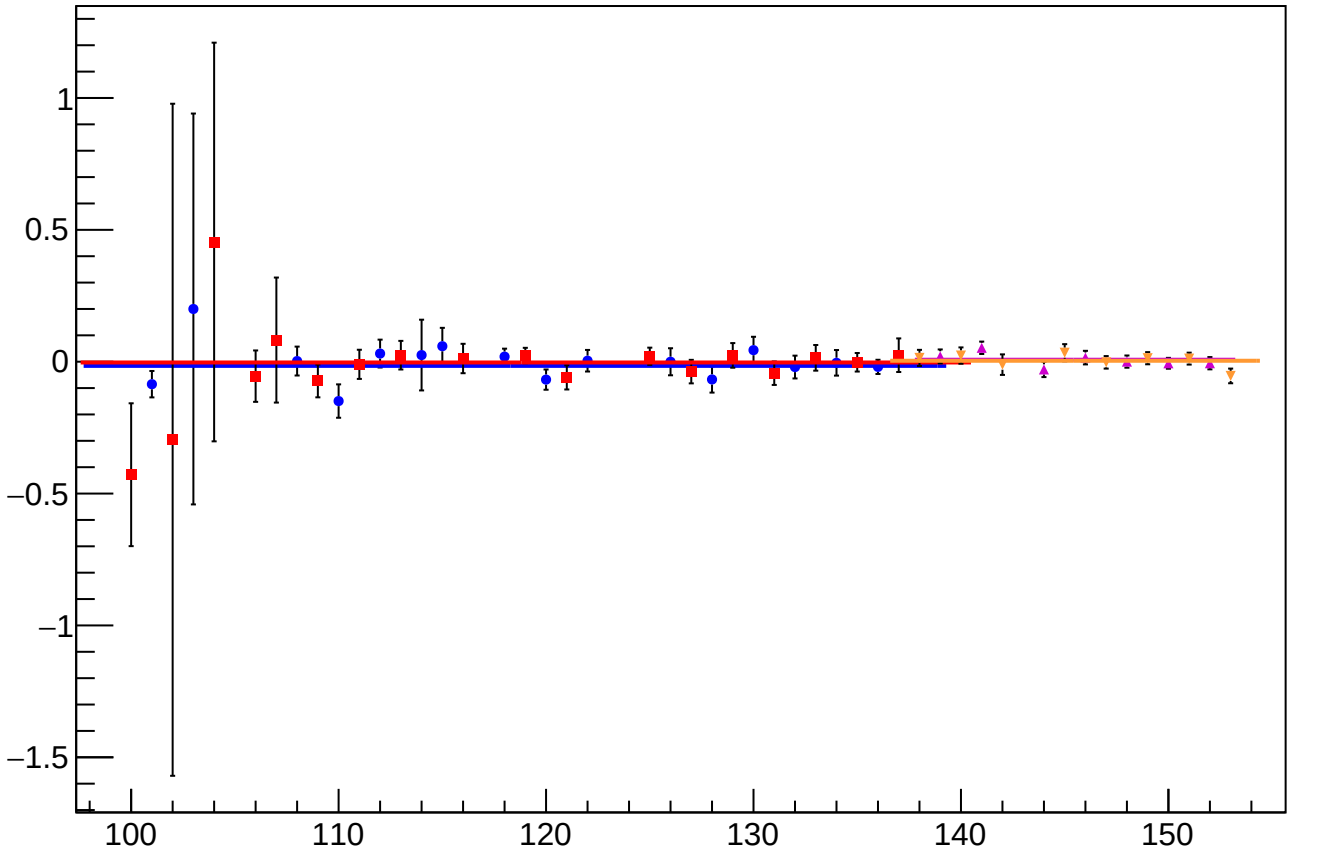
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:947953.6/6

+ sign 0.001+/-0.000 χ^2/NDF: 7697150.7/23

All: 0.001+/-0.000 χ^2/NDF: 15817637.7/48

- sign 0.001+/-0.000 χ^2/NDF: 8119676.1/24



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.010 χ^2/NDF:6.2/7

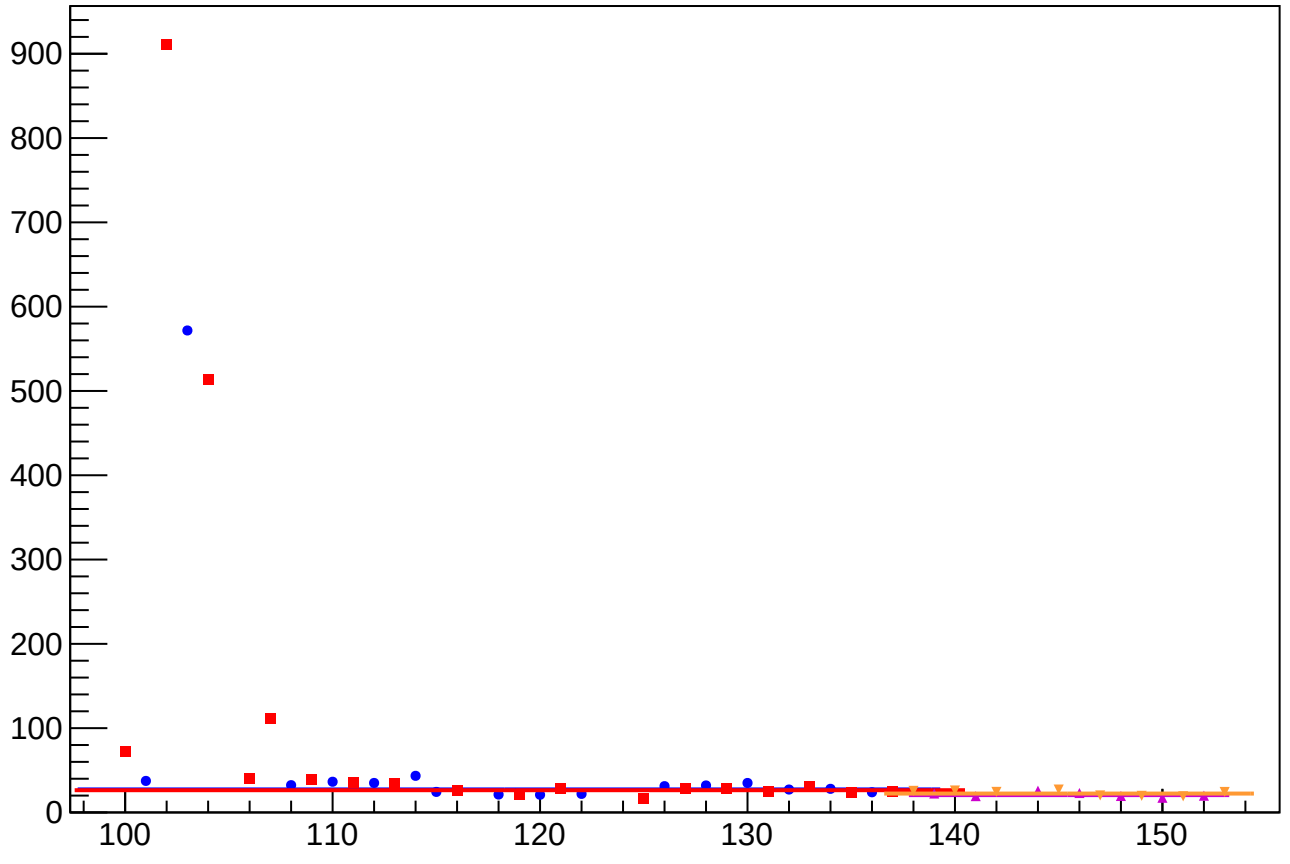
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.007+/-0.009 χ^2/NDF:6.5/6

+ sign -0.004+/-0.007 χ^2/NDF: 22.5/23

All: -0.000+/-0.005 χ^2/NDF: 39.9/48

- sign 0.004+/-0.007 χ^2/NDF: 16.8/24



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.403+/-0.007 χ^2/NDF:192692.0/7

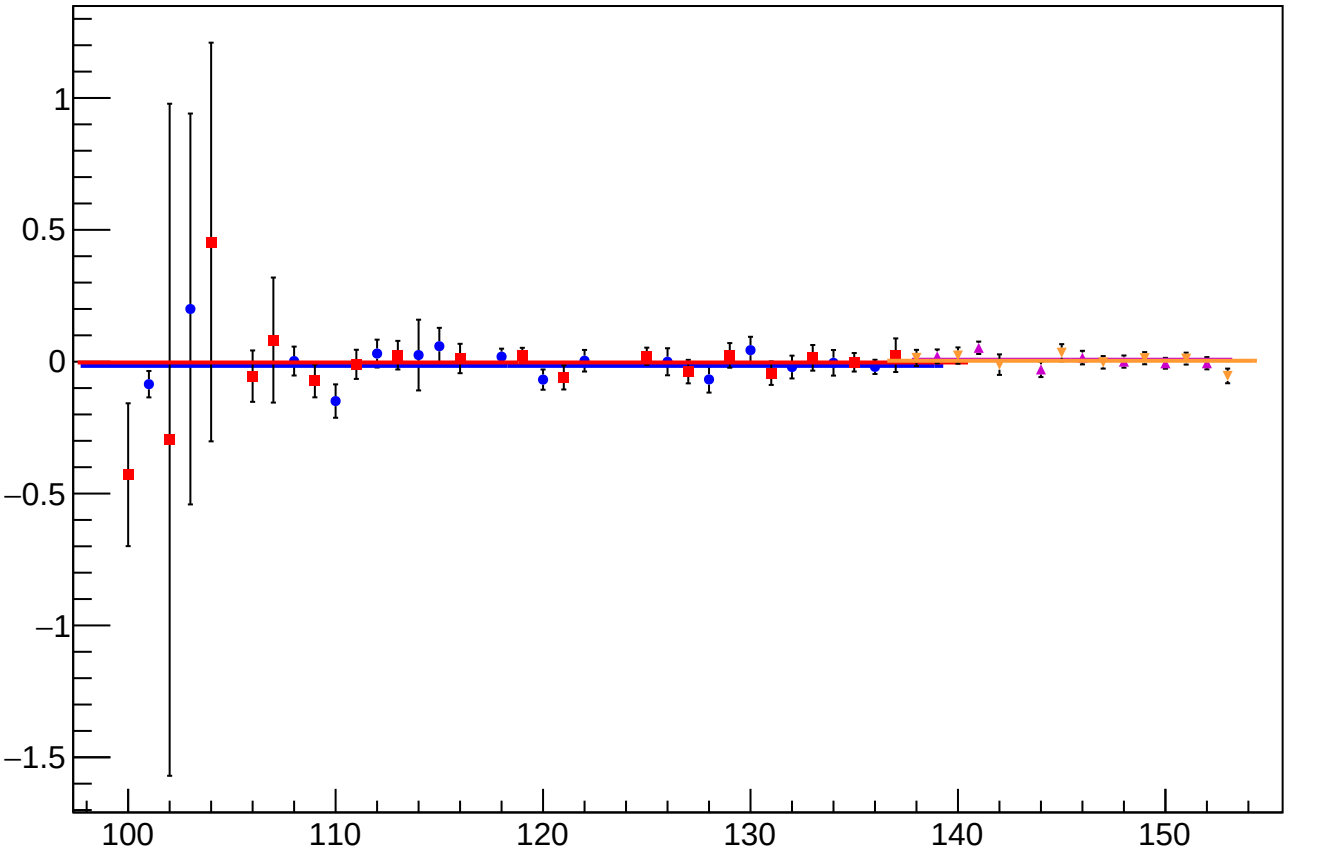
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.580+/-0.006 χ^2/NDF:151426.1/6

+ sign 24.430+/-0.005 χ^2/NDF: 1971952.8/23

All: 23.548+/-0.004 χ^2/NDF: 5090670.4/48

- sign 22.706+/-0.005 χ^2/NDF: 3063683.6/24



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.010 χ^2/NDF:6.2/7

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

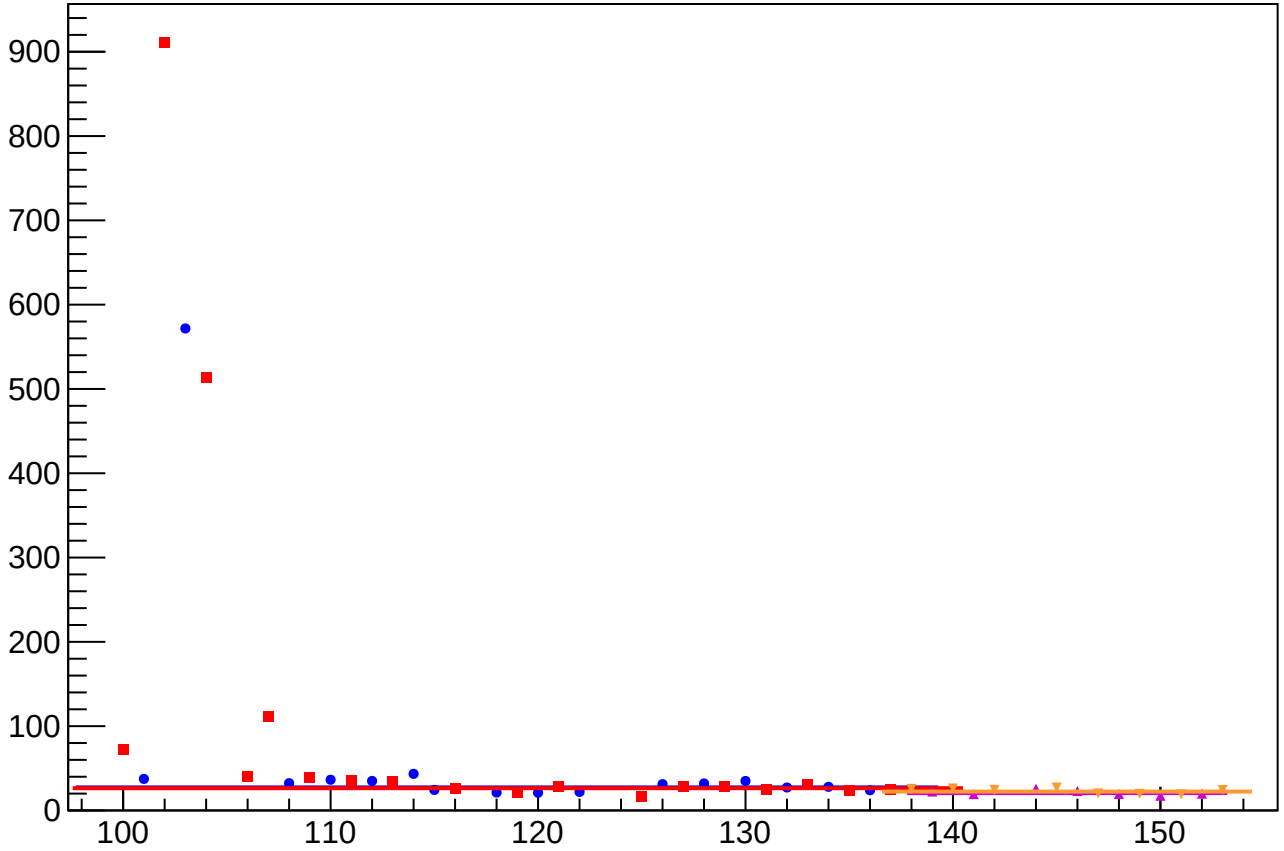
Left In: 0.007+/-0.009 χ^2/NDF:6.5/6

+ sign -0.004+/-0.007 χ^2/NDF: 22.5/23

All: -0.000+/-0.005 χ^2/NDF: 39.9/48

- sign 0.004+/-0.007 χ^2/NDF: 16.8/24

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.403+/-0.007 χ^2/NDF:192692.0/7

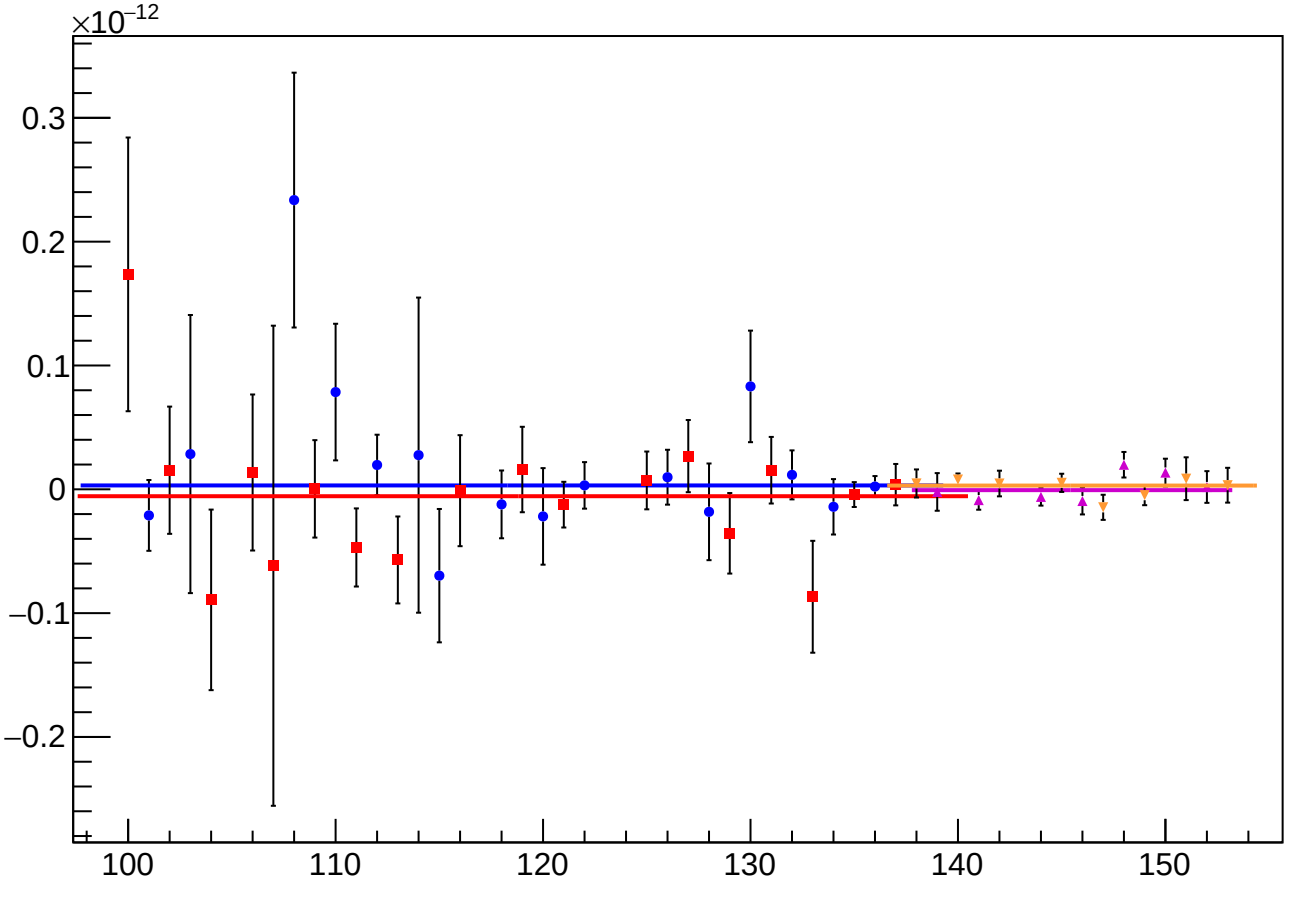
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.580+/-0.006 χ^2/NDF:151426.1/6

+ sign 24.430+/-0.005 χ^2/NDF: 1971952.8/23

All: 23.548+/-0.004 χ^2/NDF: 5090670.4/48

- sign 22.706+/-0.005 χ^2/NDF: 3063683.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/7

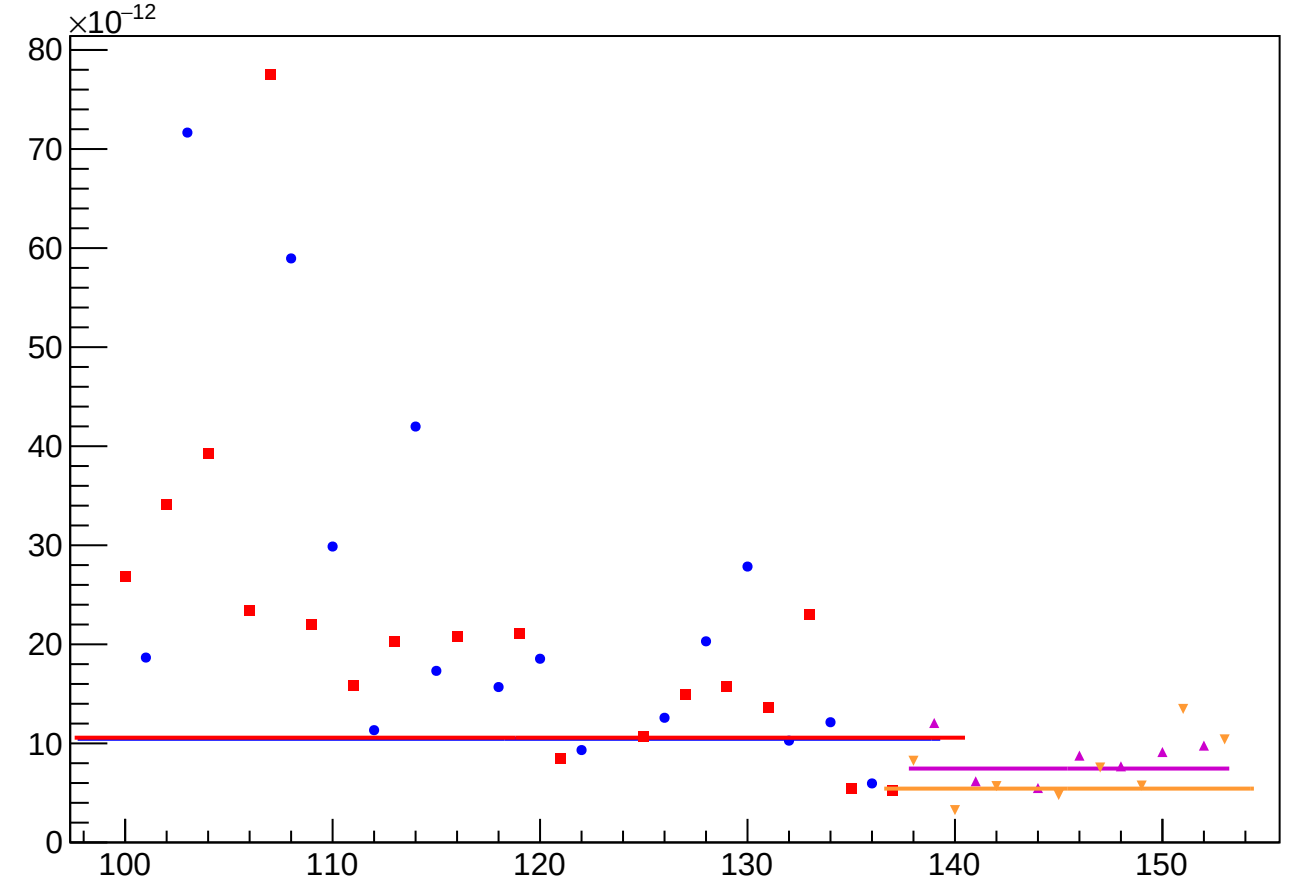
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 20.2/23

All: 0.000+/-0.000 χ^2/NDF: 45.3/48

- sign -0.000+/-0.000 χ^2/NDF: 23.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1303563.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

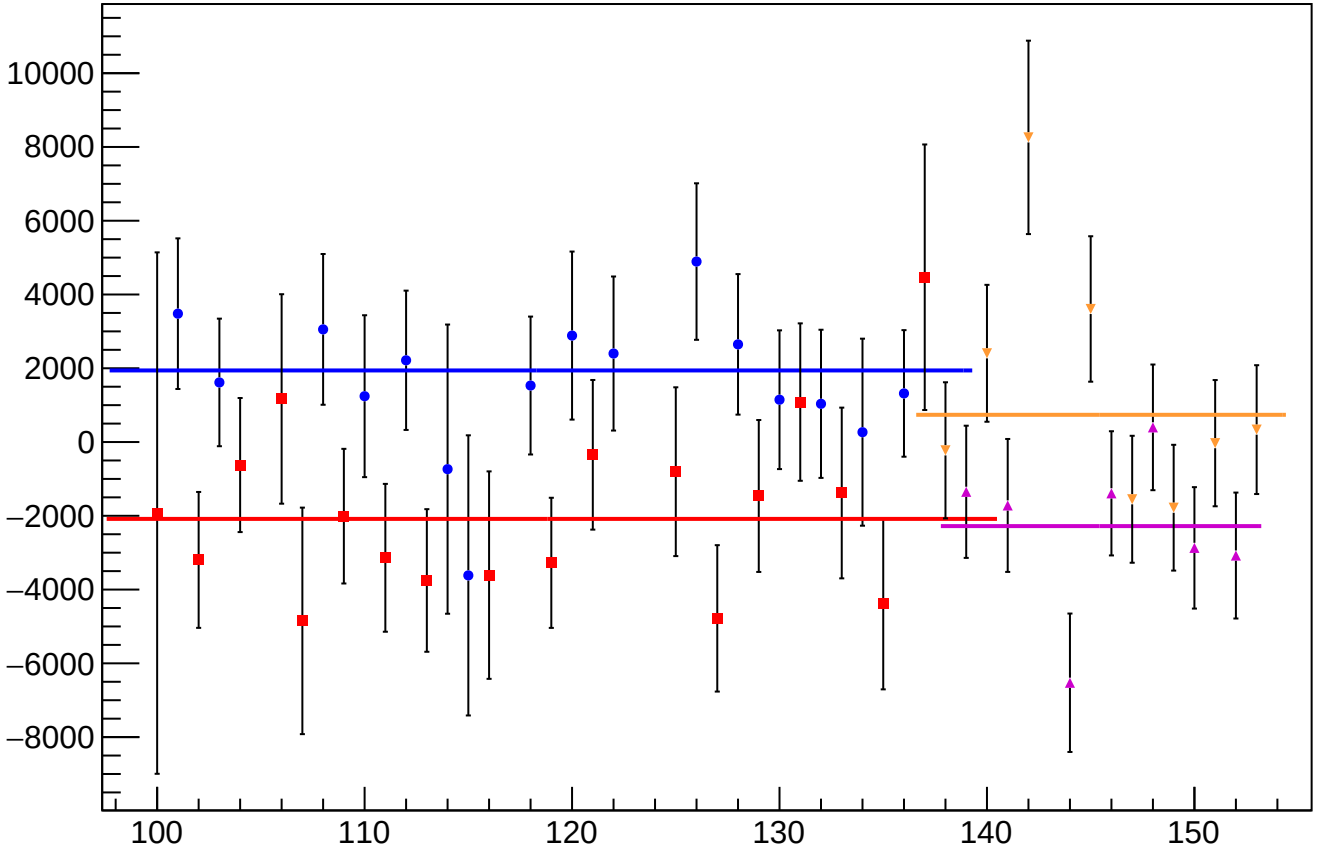
Left In: 0.000+/-0.000 χ^2/NDF:532360.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 5301774.3/23

All: 0.000+/-0.000 χ^2/NDF: 9359364.6/48

- sign 0.000+/-0.000 χ^2/NDF: 3686461.7/24

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 738.239+/-654.067 χ^2/NDF:15.6/7

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

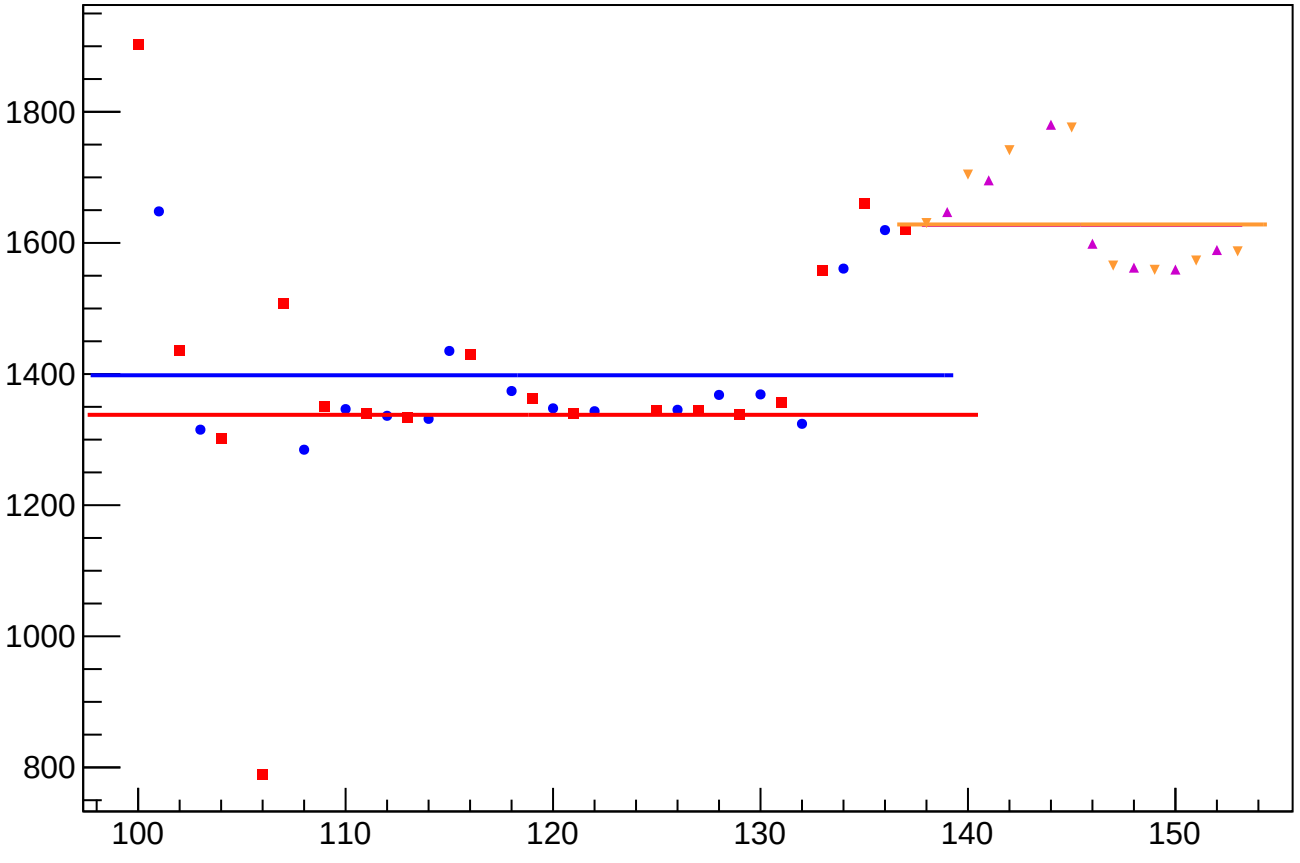
Left In: -2279.261+/-657.547 χ^2/NDF:8.6/6

+ sign 1472.797+/-408.078 χ^2/NDF: 24.6/23

All: -344.925+/-288.411 χ^2/NDF: 87.4/48

- sign -2159.026+/-407.671 χ^2/NDF: 23.1/24

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1628.186+/-0.462 χ^2/NDF:27468.2/7

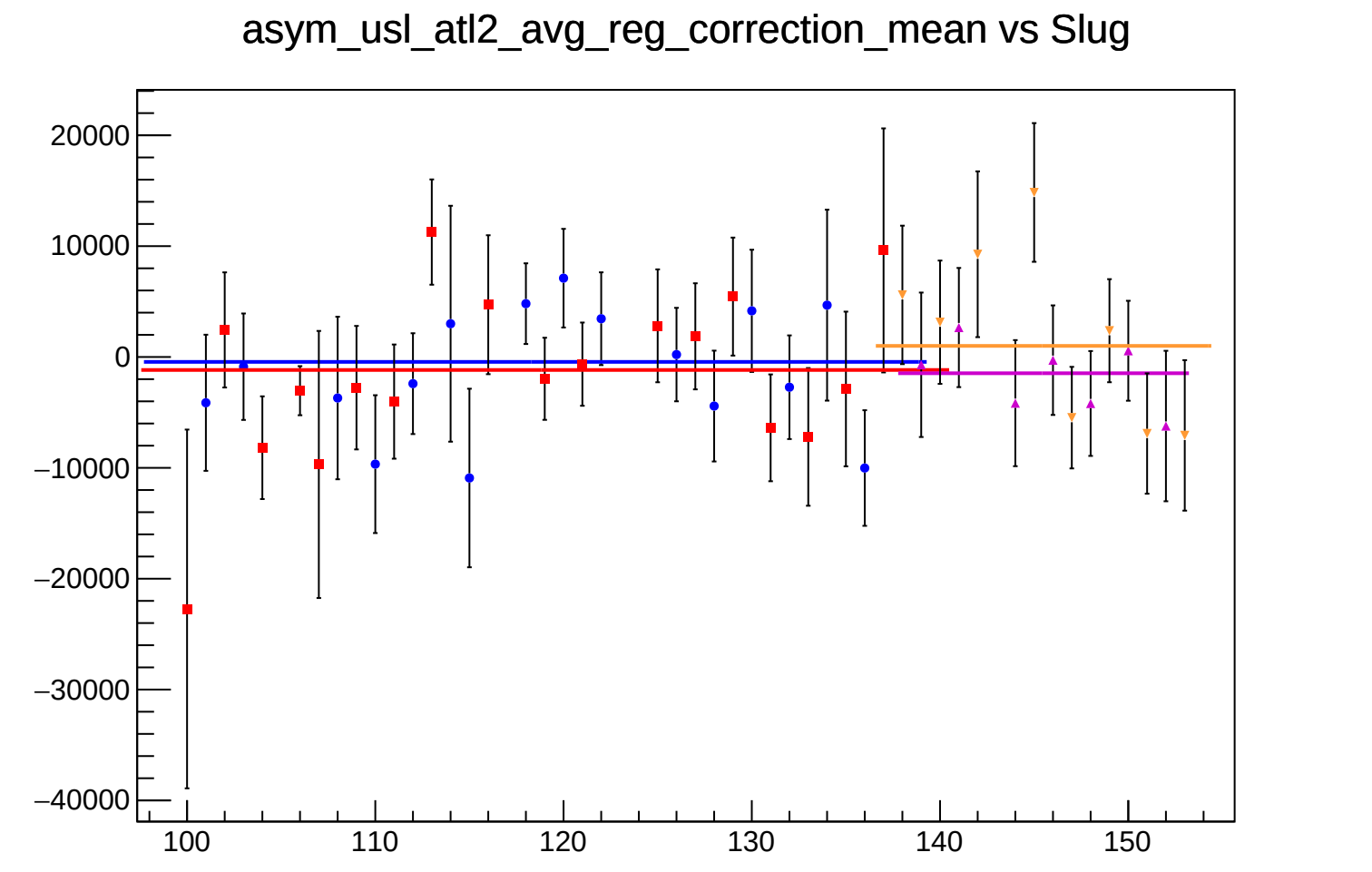
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1627.346+/-0.465 χ^2/NDF:24282.5/6

+ sign 1487.701+/-0.289 χ^2/NDF: 272466.9/23

All: 1465.798+/-0.202 χ^2/NDF: 870296.8/48

- sign 1444.787+/-0.283 χ^2/NDF: 586541.1/24



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 1001.542+/-1996.051 χ^2/NDF:12.4/7

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

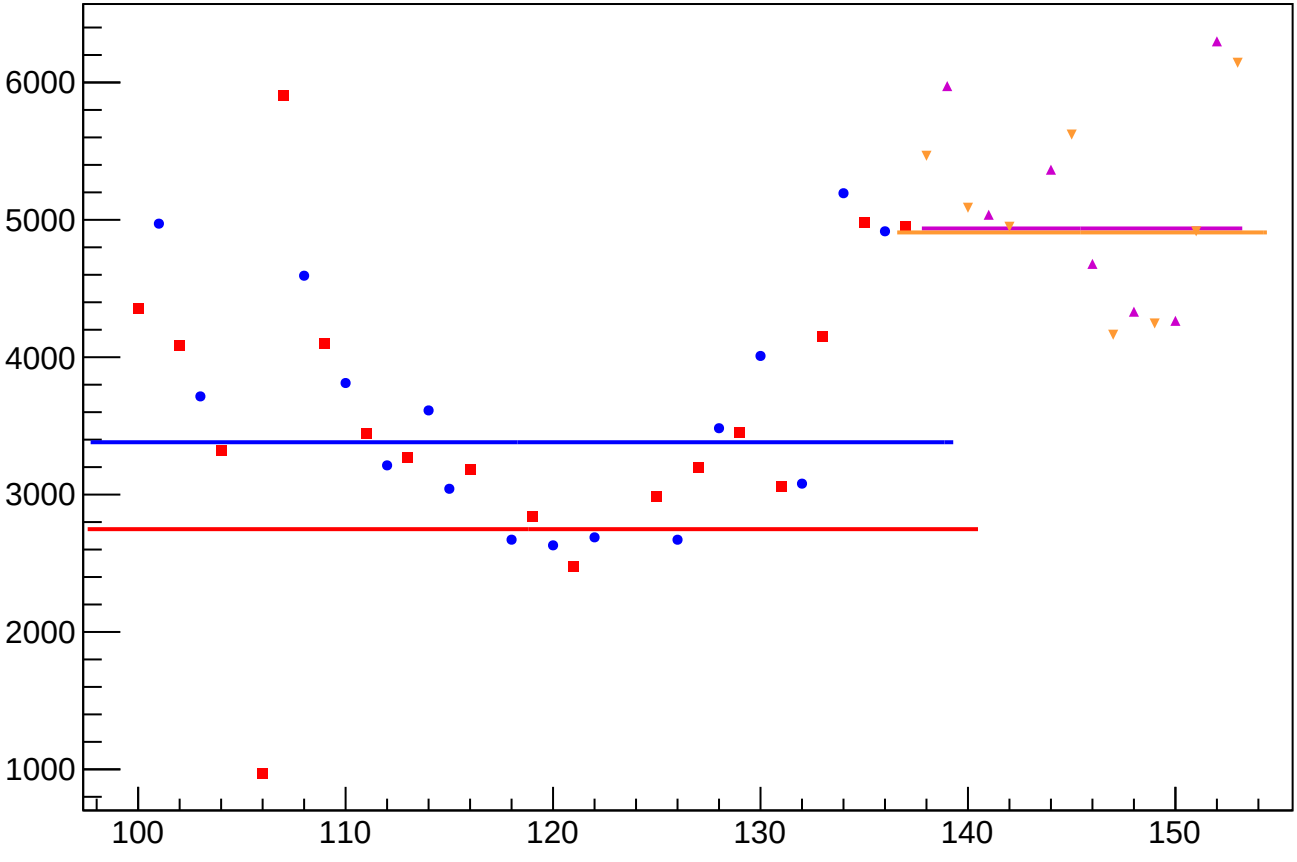
Left In: -1465.636+/-2017.515 χ^2/NDF:1.9/6

+ sign -13.348+/-1086.930 χ^2/NDF: 28.7/23

All: -690.939+/-727.495 χ^2/NDF: 51.0/48

- sign -1240.818+/-979.156 χ^2/NDF: 21.6/24

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 4908.339+/-1.411 χ^2/NDF:203779.8/7

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

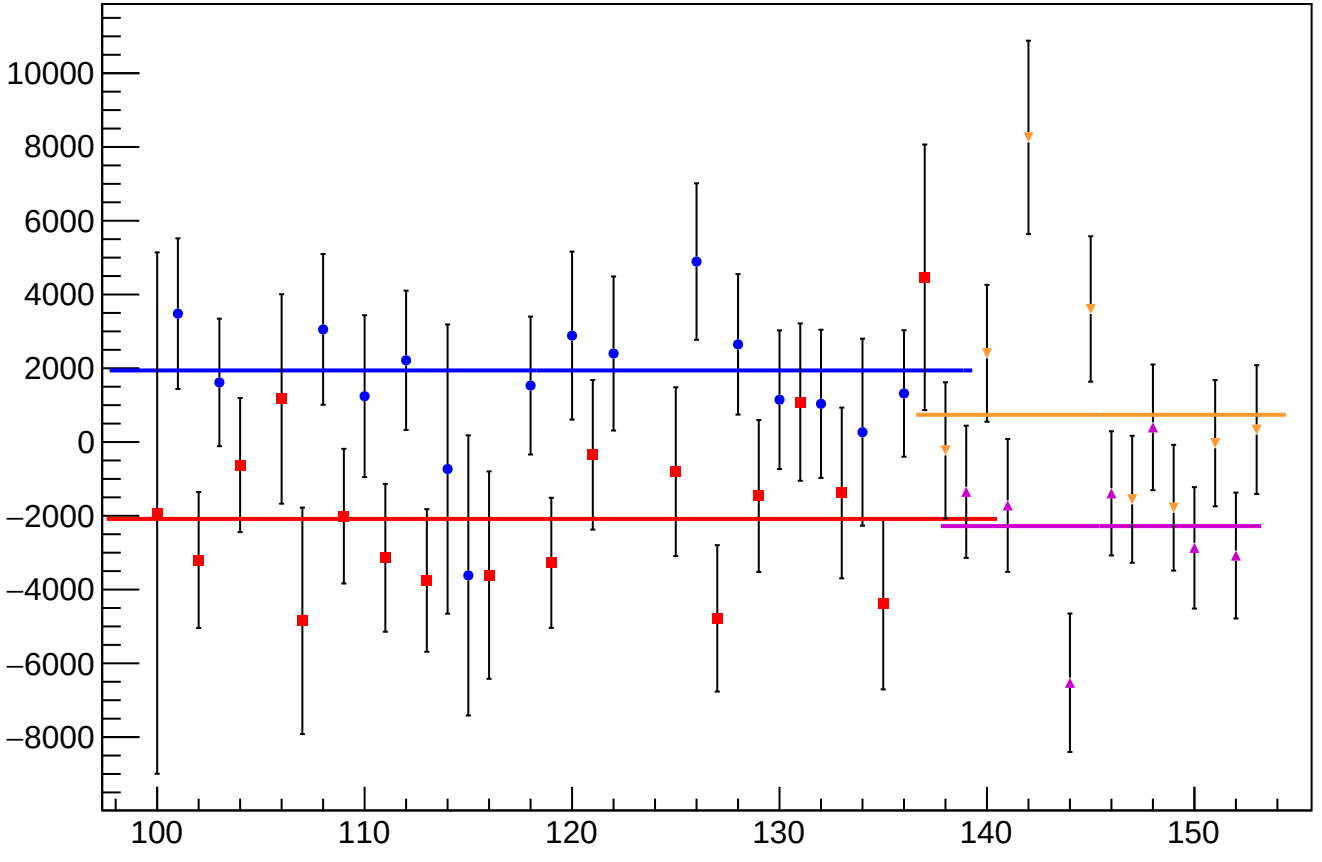
Left In: 4937.120+/-1.427 χ^2/NDF:225931.4/6

+ sign 3833.975+/-0.769 χ^2/NDF: 1784572.2/23

All: 3519.290+/-0.514 χ^2/NDF: 6378207.4/48

- sign 3263.916+/-0.692 χ^2/NDF: 4289950.6/24

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 738.260+/-654.067 χ^2/NDF:15.6/7

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

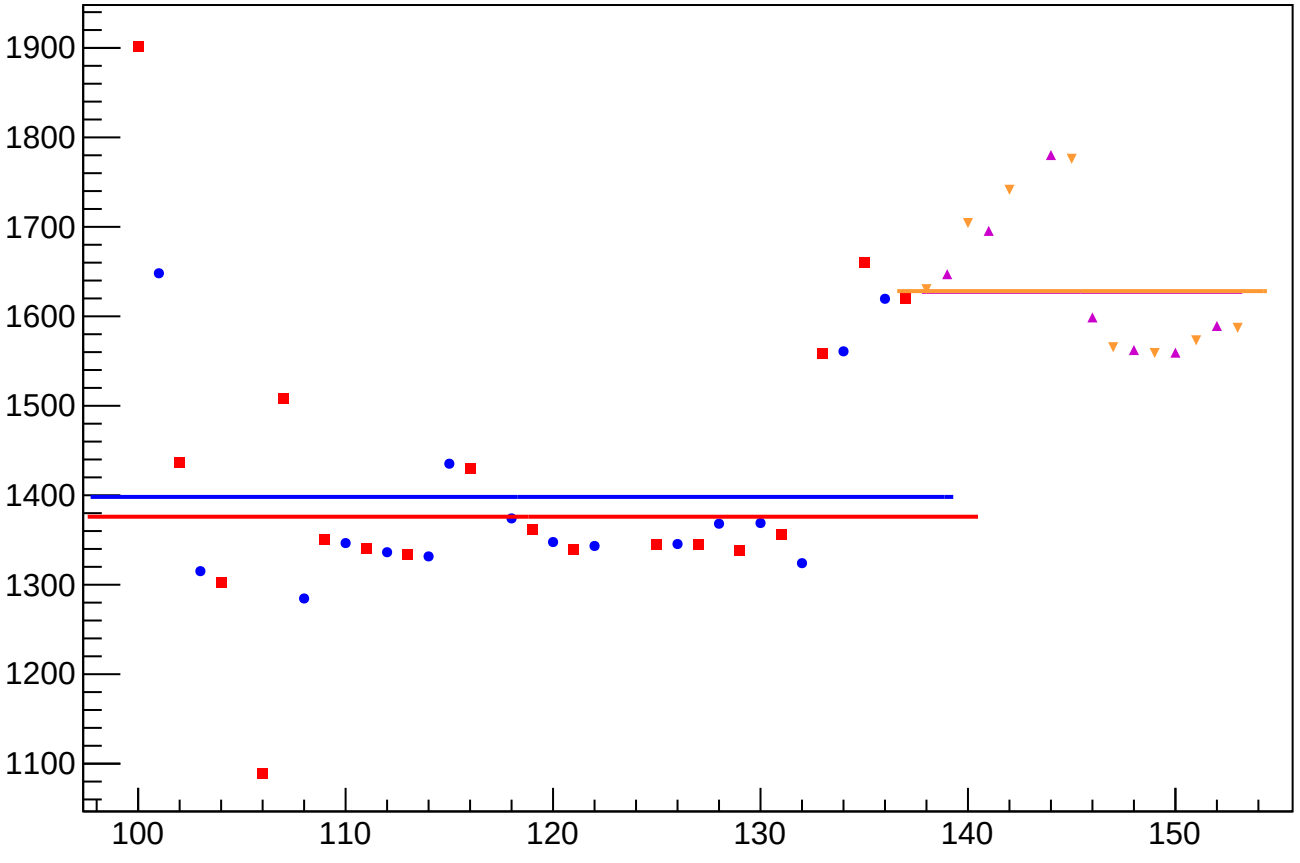
Left In: -2279.397+/-657.547 χ^2/NDF:8.6/6

+ sign 1472.839+/-408.078 χ^2/NDF: 24.6/23

All: -344.990+/-288.411 χ^2/NDF: 87.4/48

- sign -2159.210+/-407.673 χ^2/NDF: 23.1/24

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1628.186+/-0.462 χ^2/NDF:27468.2/7

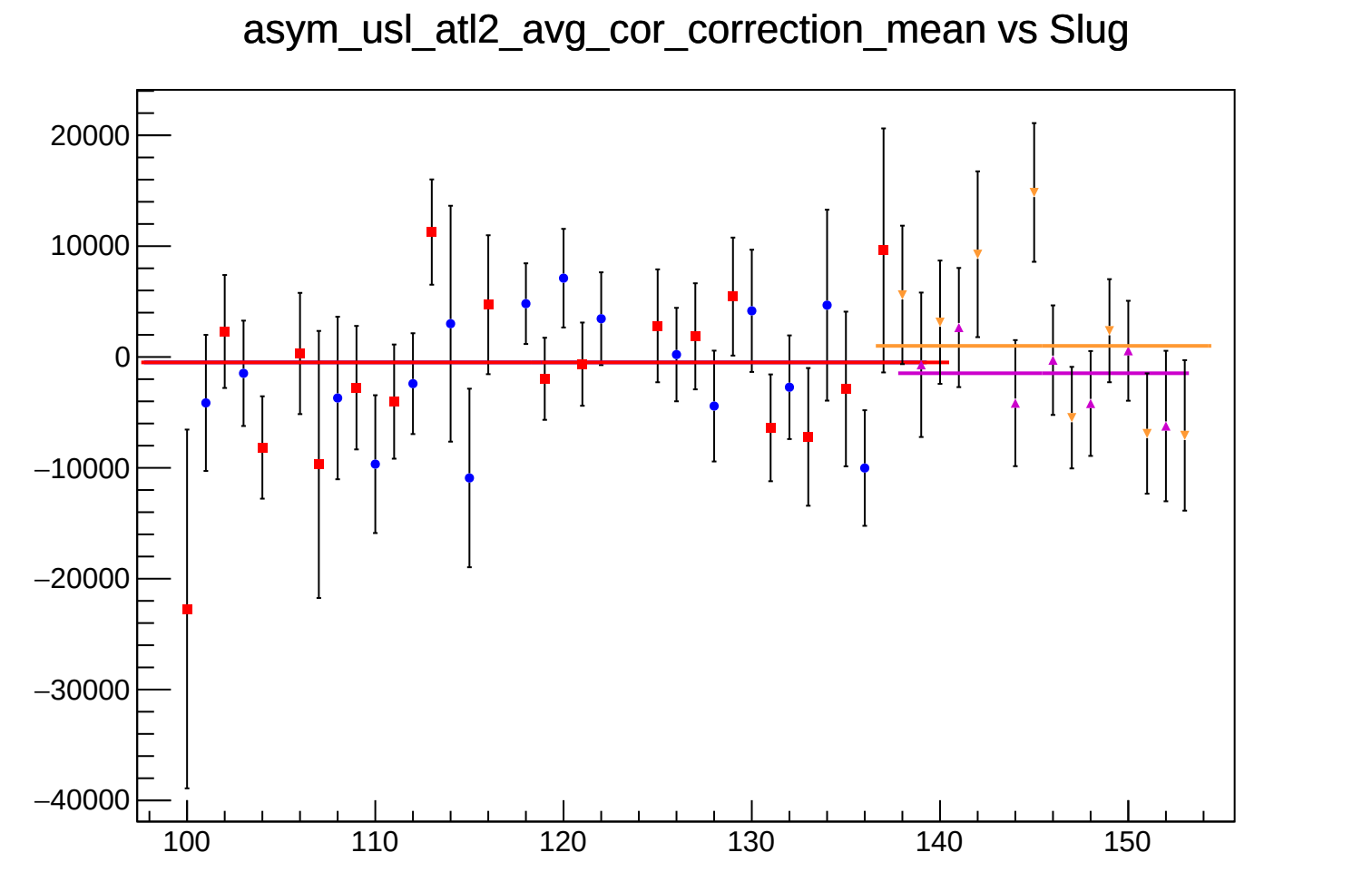
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1627.346+/-0.465 χ^2/NDF:24282.5/6

+ sign 1487.701+/-0.289 χ^2/NDF: 272467.0/23

All: 1479.294+/-0.203 χ^2/NDF: 594178.7/48

- sign 1471.041+/-0.286 χ^2/NDF: 320029.5/24



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 1001.541+/-1996.052 χ^2/NDF:12.4/7

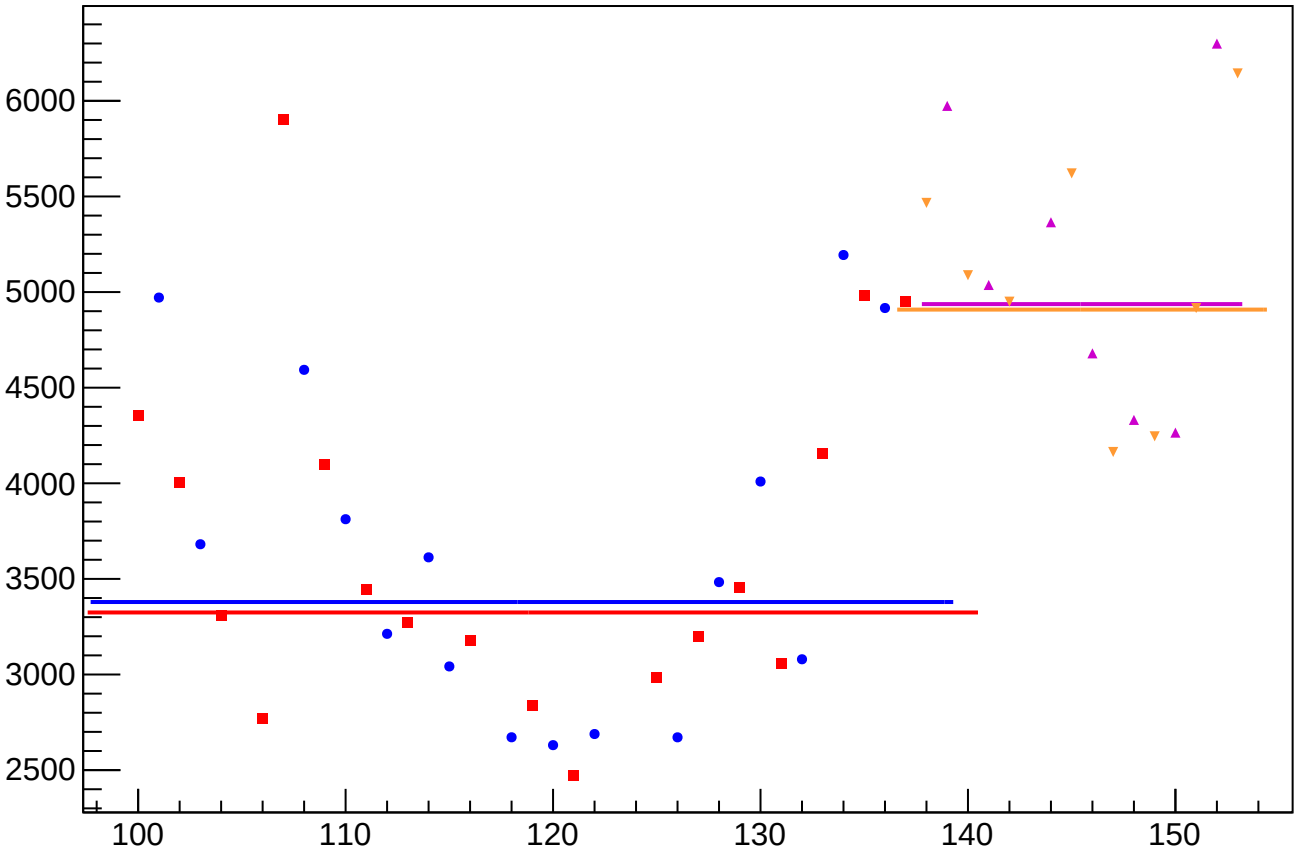
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1465.721+/-2017.512 χ^2/NDF:1.9/6

+ sign -45.777+/-1086.348 χ^2/NDF: 28.8/23

All: -410.085+/-762.139 χ^2/NDF: 49.8/48

- sign -763.184+/-1069.505 χ^2/NDF: 20.8/24



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4908.342+/-1.411 χ^2/NDF:203779.7/7

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

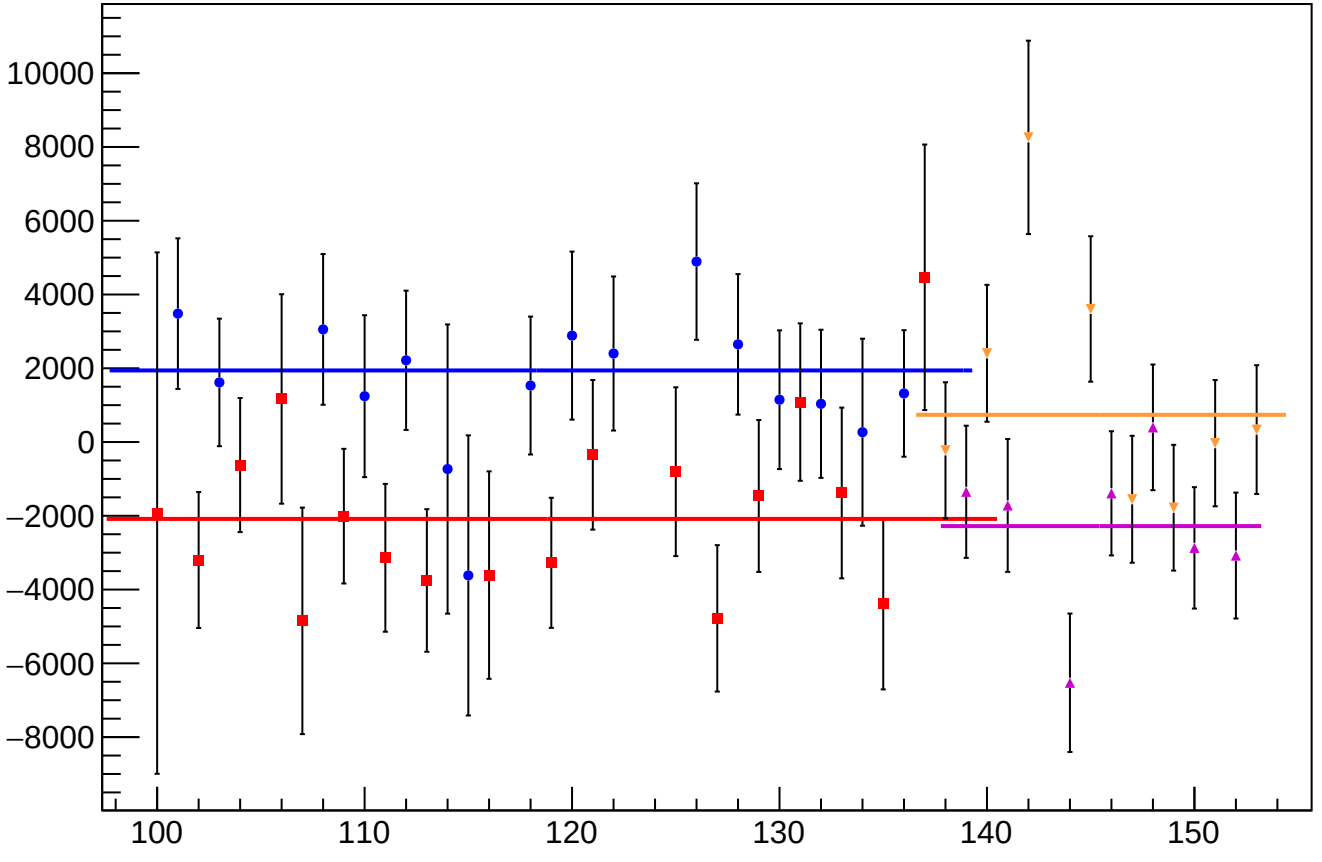
Left In: 4937.114+/-1.427 χ^2/NDF:225932.6/6

+ sign 3832.078+/-0.768 χ^2/NDF: 1785305.8/23

All: 3804.432+/-0.539 χ^2/NDF: 3476366.6/48

- sign 3777.636+/-0.756 χ^2/NDF: 1688510.1/24

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 738.260+/-654.067 χ^2/NDF:15.6/7

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

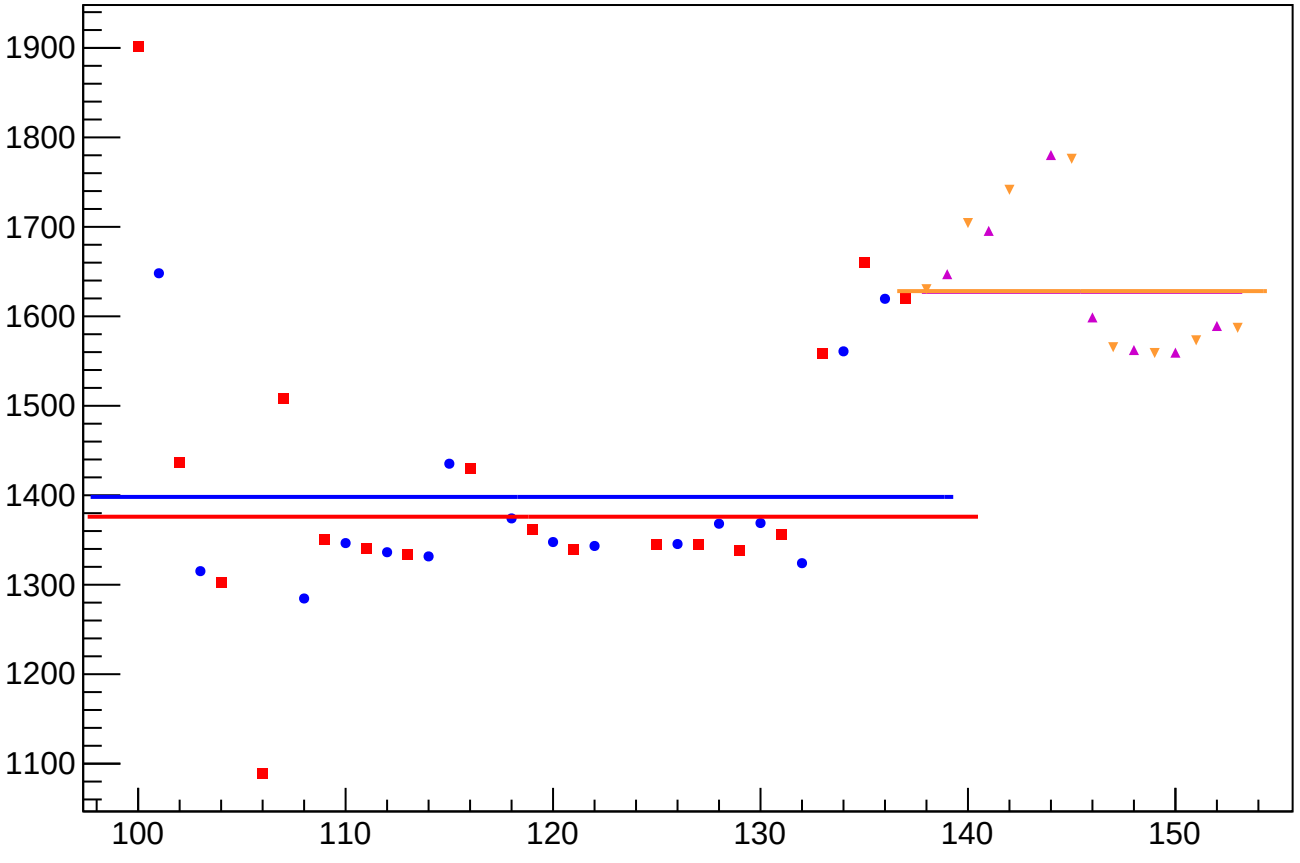
Left In: -2279.397+/-657.547 χ^2/NDF:8.6/6

+ sign 1472.839+/-408.078 χ^2/NDF: 24.6/23

All: -344.990+/-288.411 χ^2/NDF: 87.4/48

- sign -2159.210+/-407.673 χ^2/NDF: 23.1/24

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1628.186+/-0.462 χ^2/NDF:27468.2/7

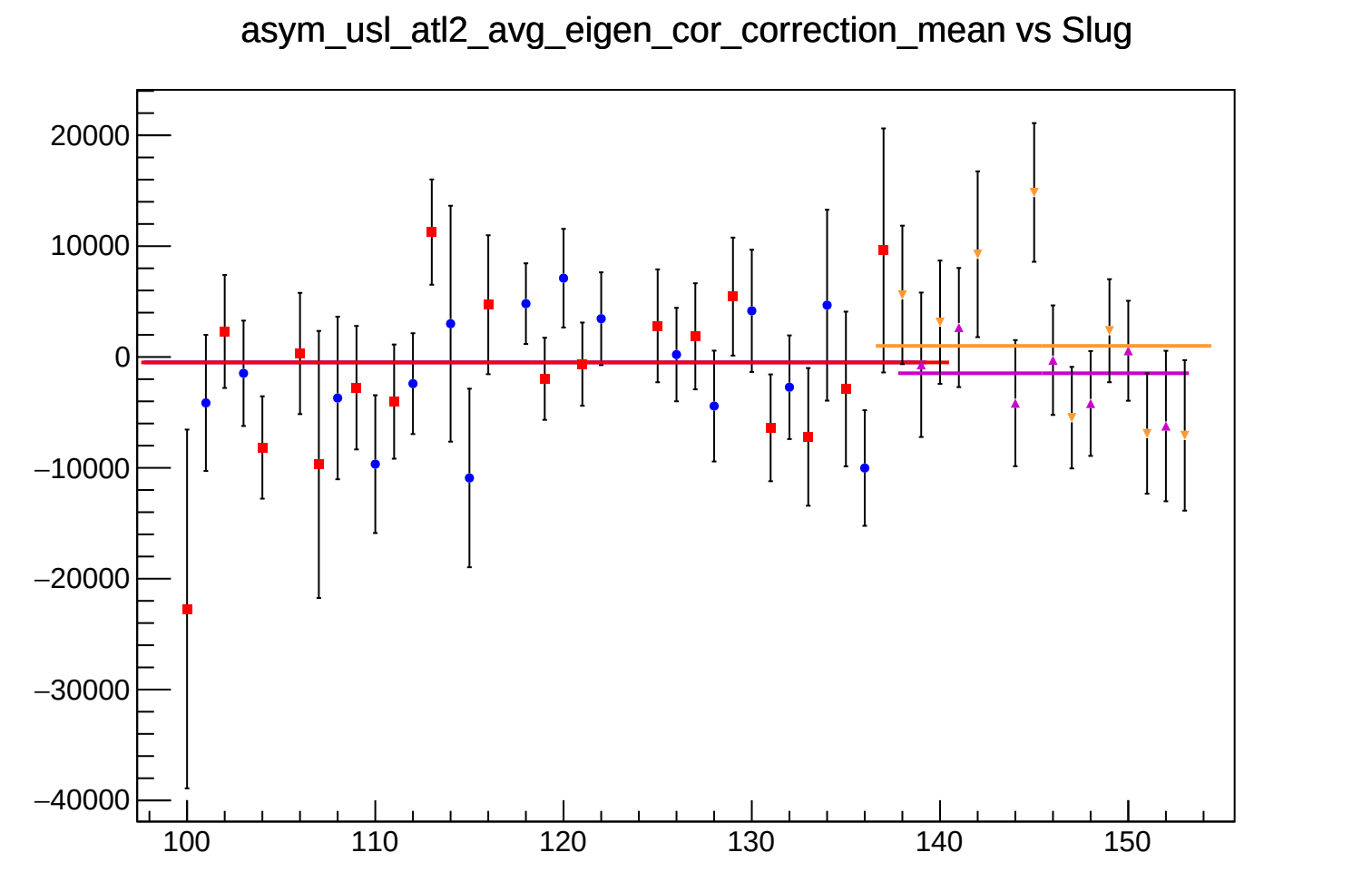
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1627.346+/-0.465 χ^2/NDF:24282.5/6

+ sign 1487.701+/-0.289 χ^2/NDF: 272467.0/23

All: 1479.294+/-0.203 χ^2/NDF: 594178.7/48

- sign 1471.041+/-0.286 χ^2/NDF: 320029.5/24



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 1001.541+/-1996.052 χ^2/NDF:12.4/7

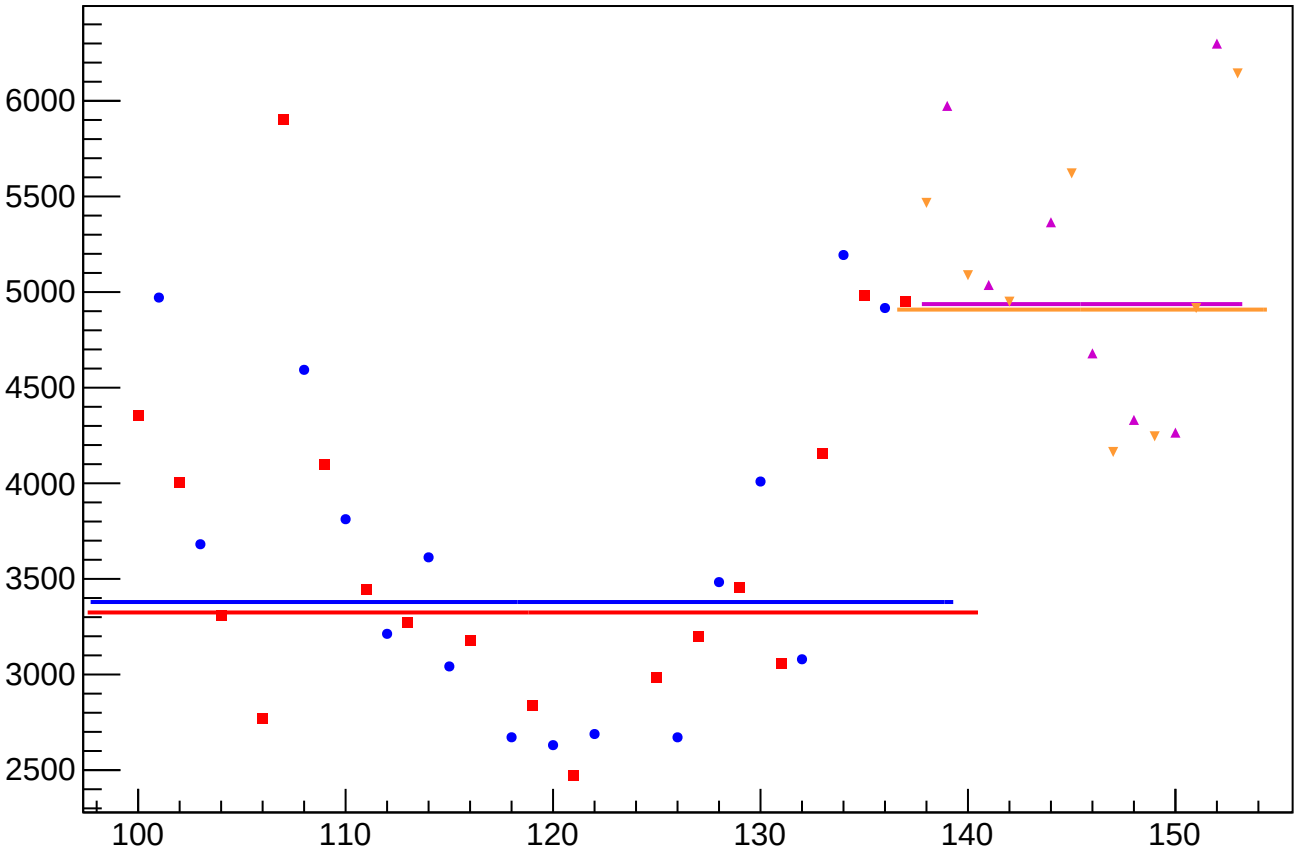
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1465.721+/-2017.512 χ^2/NDF:1.9/6

+ sign -45.777+/-1086.348 χ^2/NDF: 28.8/23

All: -410.085+/-762.139 χ^2/NDF: 49.8/48

- sign -763.184+/-1069.505 χ^2/NDF: 20.8/24



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4908.342+/-1.411 χ^2/NDF:203779.7/7

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

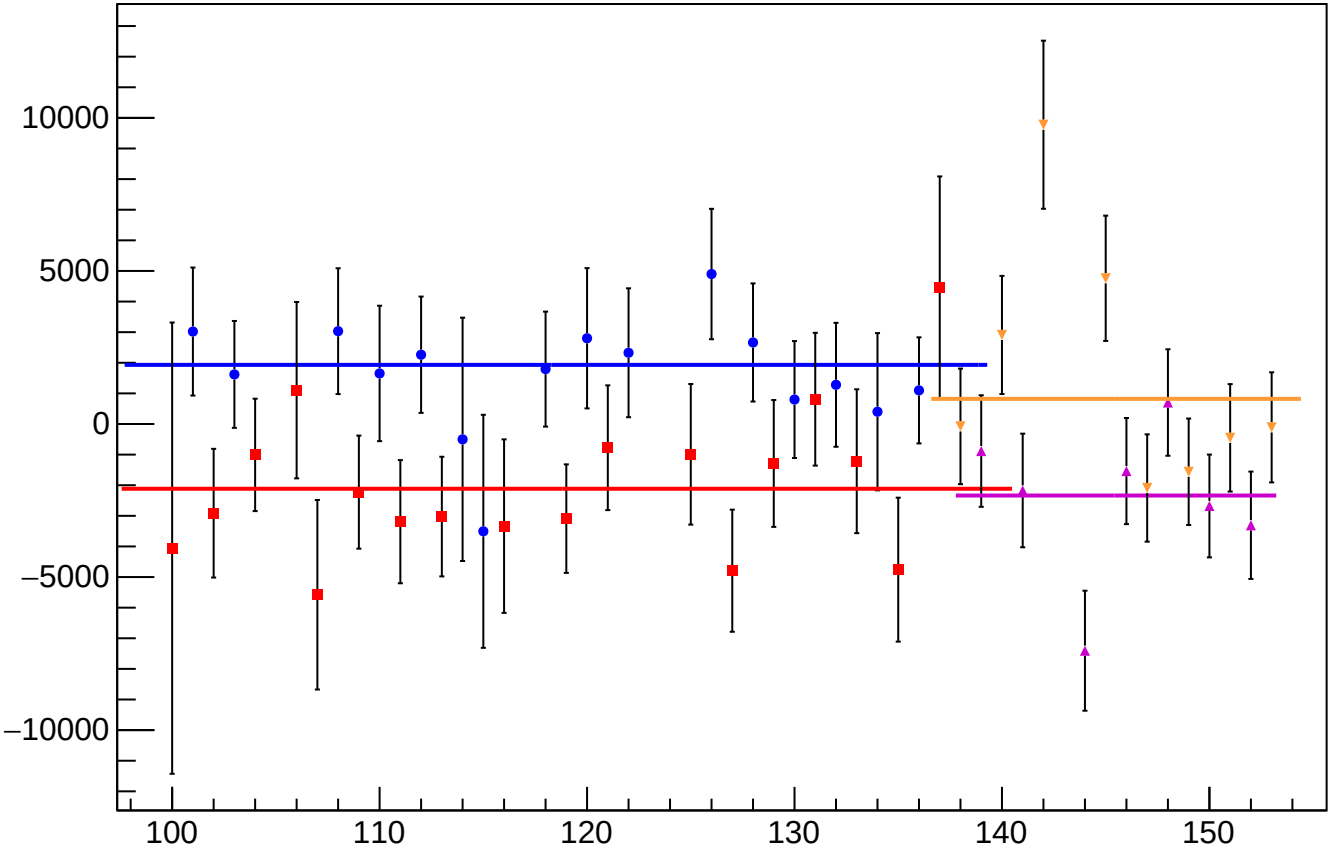
Left In: 4937.114+/-1.427 χ^2/NDF:225932.6/6

+ sign 3832.078+/-0.768 χ^2/NDF: 1785305.8/23

All: 3804.432+/-0.539 χ^2/NDF: 3476366.6/48

- sign 3777.636+/-0.756 χ^2/NDF: 1688510.1/24

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 821.375+/-672.593 χ^2/NDF:21.2/7

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

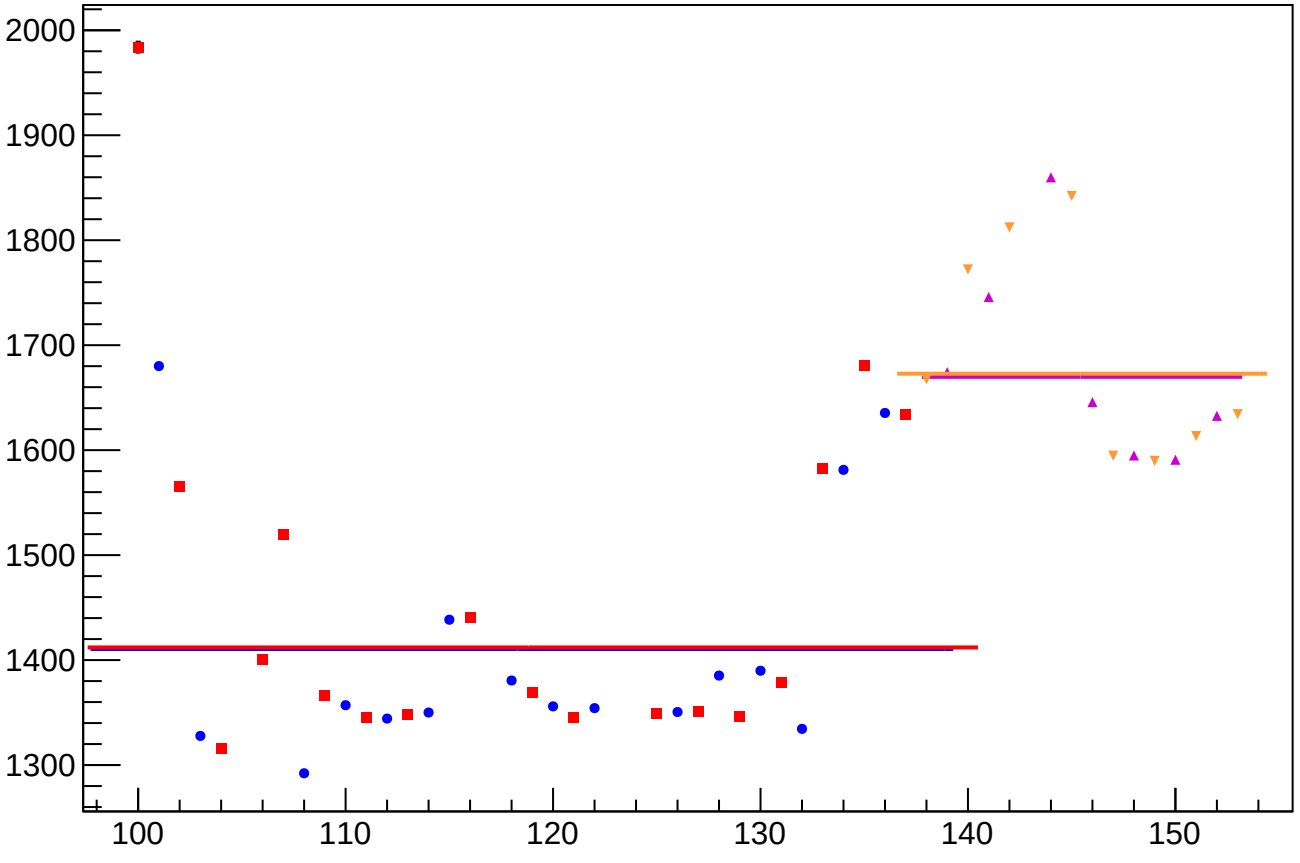
Left In: -2336.559+/-674.978 χ^2/NDF:10.9/6

+ sign 1509.104+/-414.895 χ^2/NDF: 29.2/23

All: -339.018+/-293.859 χ^2/NDF: 93.3/48

- sign -2199.387+/-416.267 χ^2/NDF: 24.2/24

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1672.832+/-0.476 χ^2/NDF:35923.6/7

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

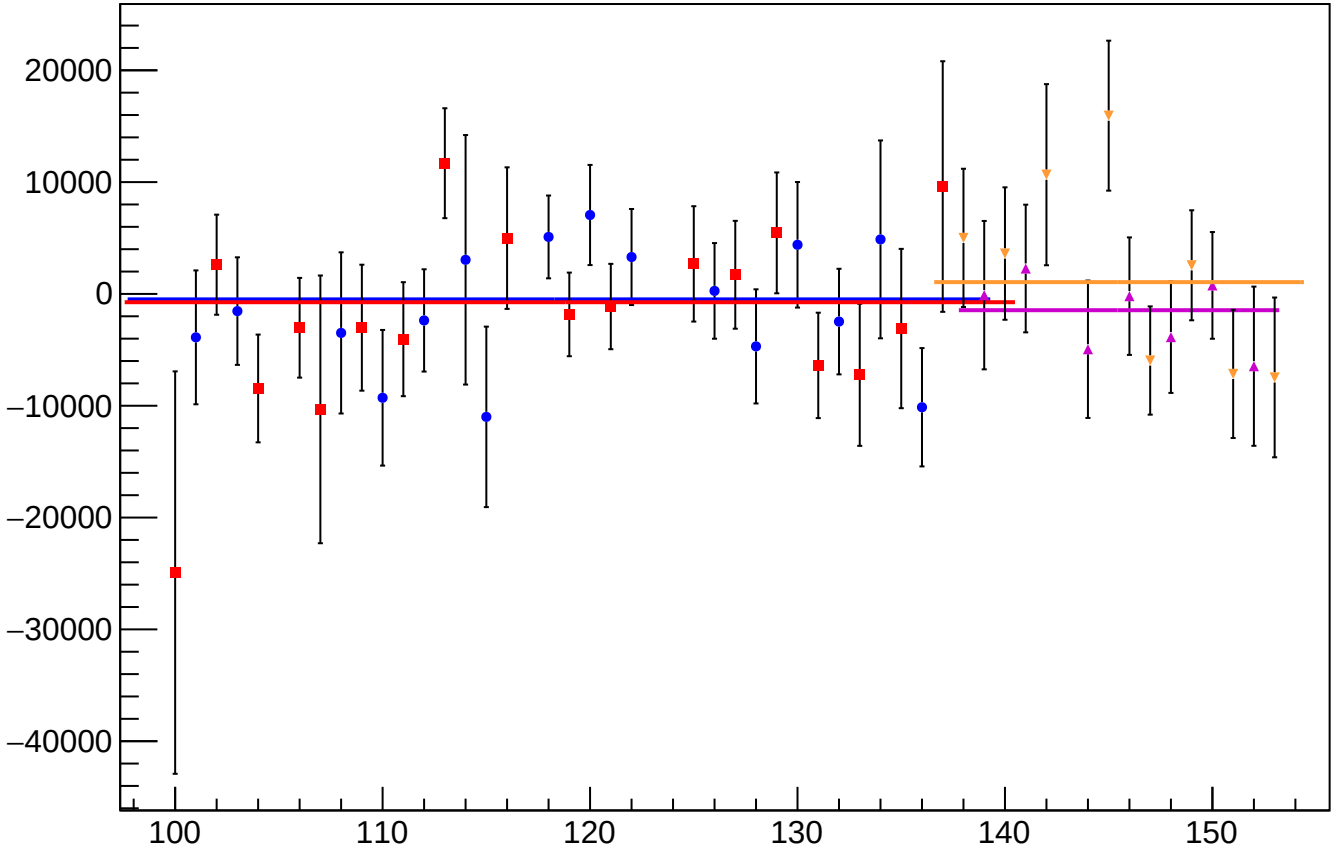
Left In: 1669.846+/-0.477 χ^2/NDF:31589.8/6

+ sign 1510.380+/-0.293 χ^2/NDF: 323413.2/23

All: 1510.077+/-0.208 χ^2/NDF: 625864.1/48

- sign 1509.773+/-0.294 χ^2/NDF: 302448.8/24

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 1055.260+/-2102.710 χ^2/NDF:12.6/7

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

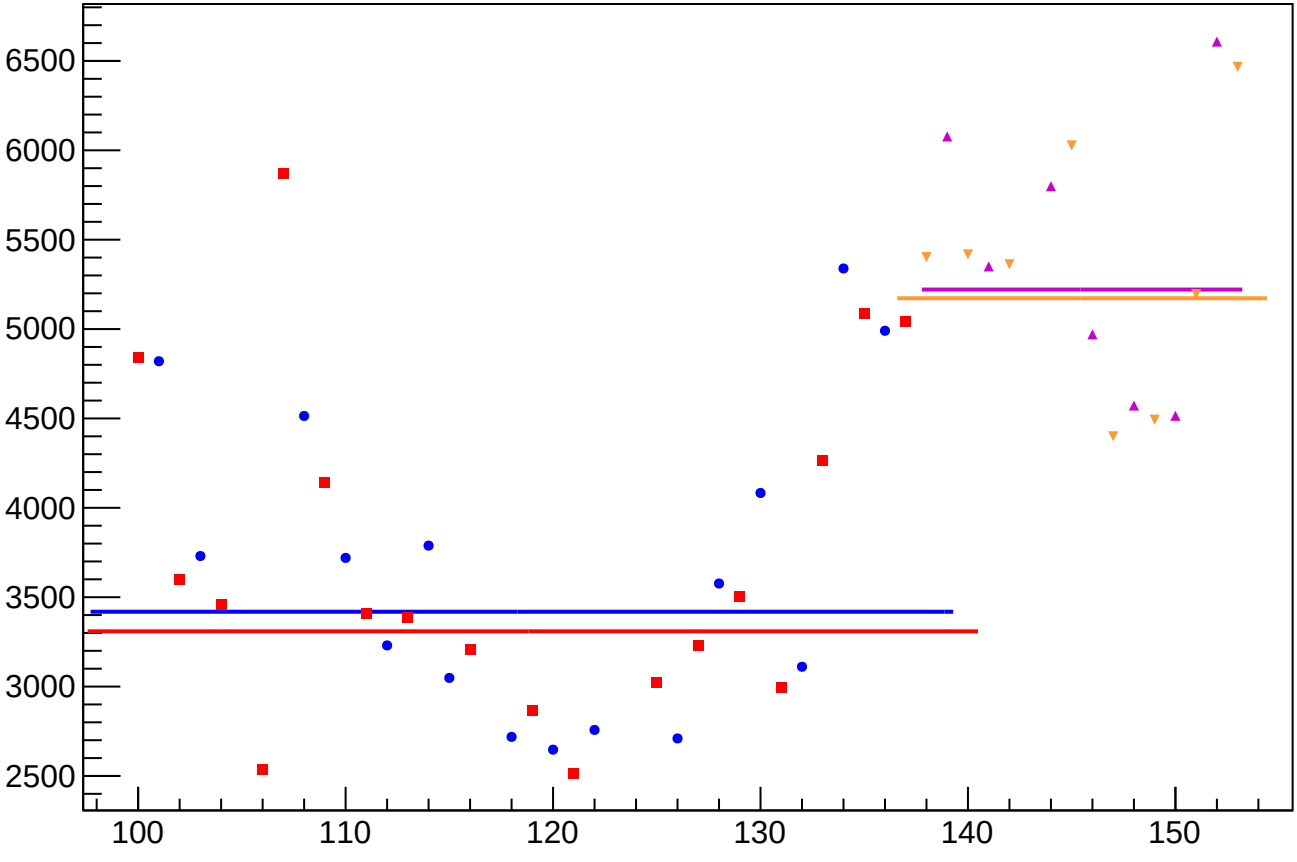
Left In: -1455.354+/-2132.550 χ^2/NDF:1.8/6

+ sign -58.122+/-1111.073 χ^2/NDF: 28.8/23

All: -503.953+/-773.349 χ^2/NDF: 50.2/48

- sign -922.922+/-1077.079 χ^2/NDF: 21.1/24

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5172.199+/-1.487 χ^2/NDF:194536.9/7

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

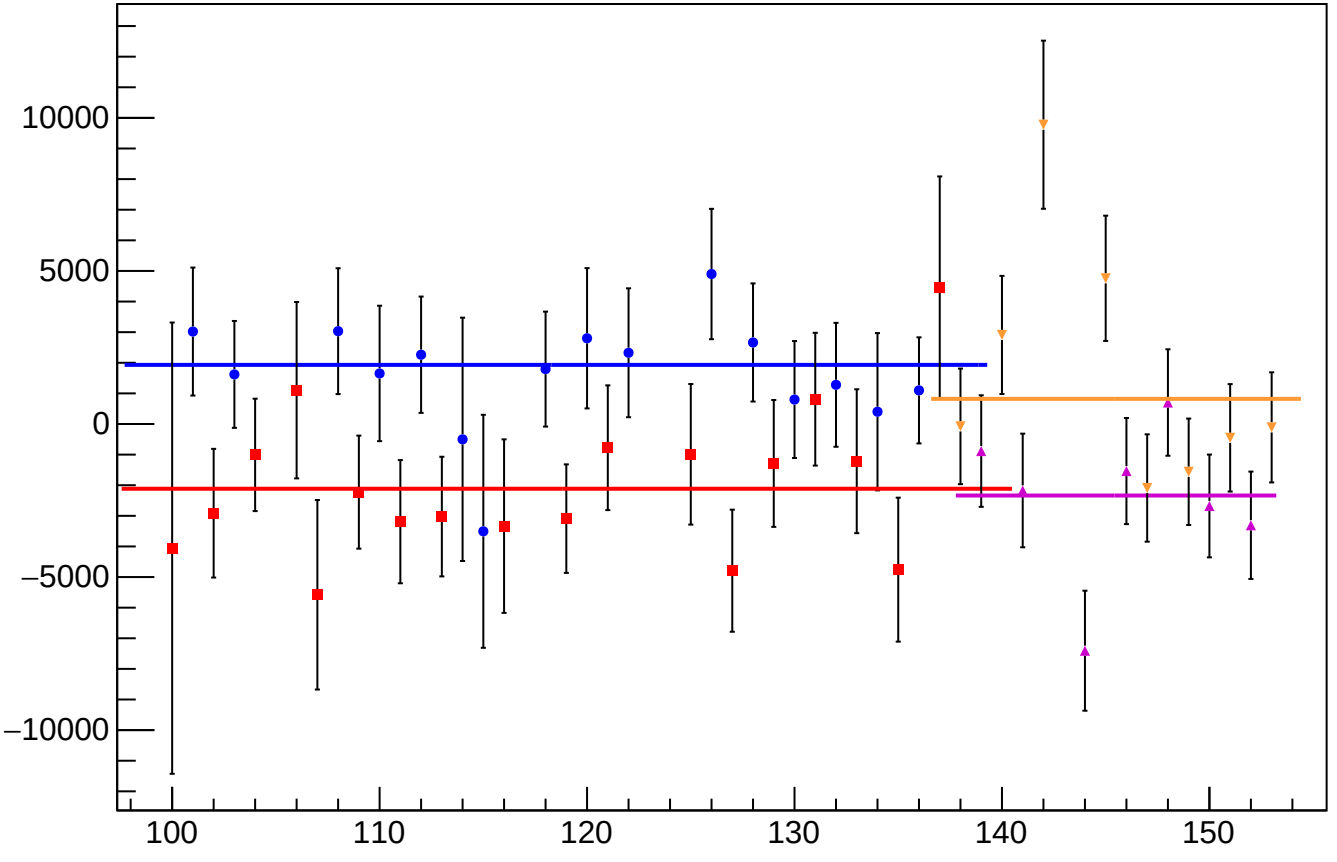
Left In: 5221.085+/-1.508 χ^2/NDF:210163.0/6

+ sign 3908.290+/-0.786 χ^2/NDF: 1918271.2/23

All: 3850.834+/-0.547 χ^2/NDF: 3908309.3/48

- sign 3796.841+/-0.762 χ^2/NDF: 1979664.0/24

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 821.376+/-672.594 χ^2/NDF:21.2/7

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

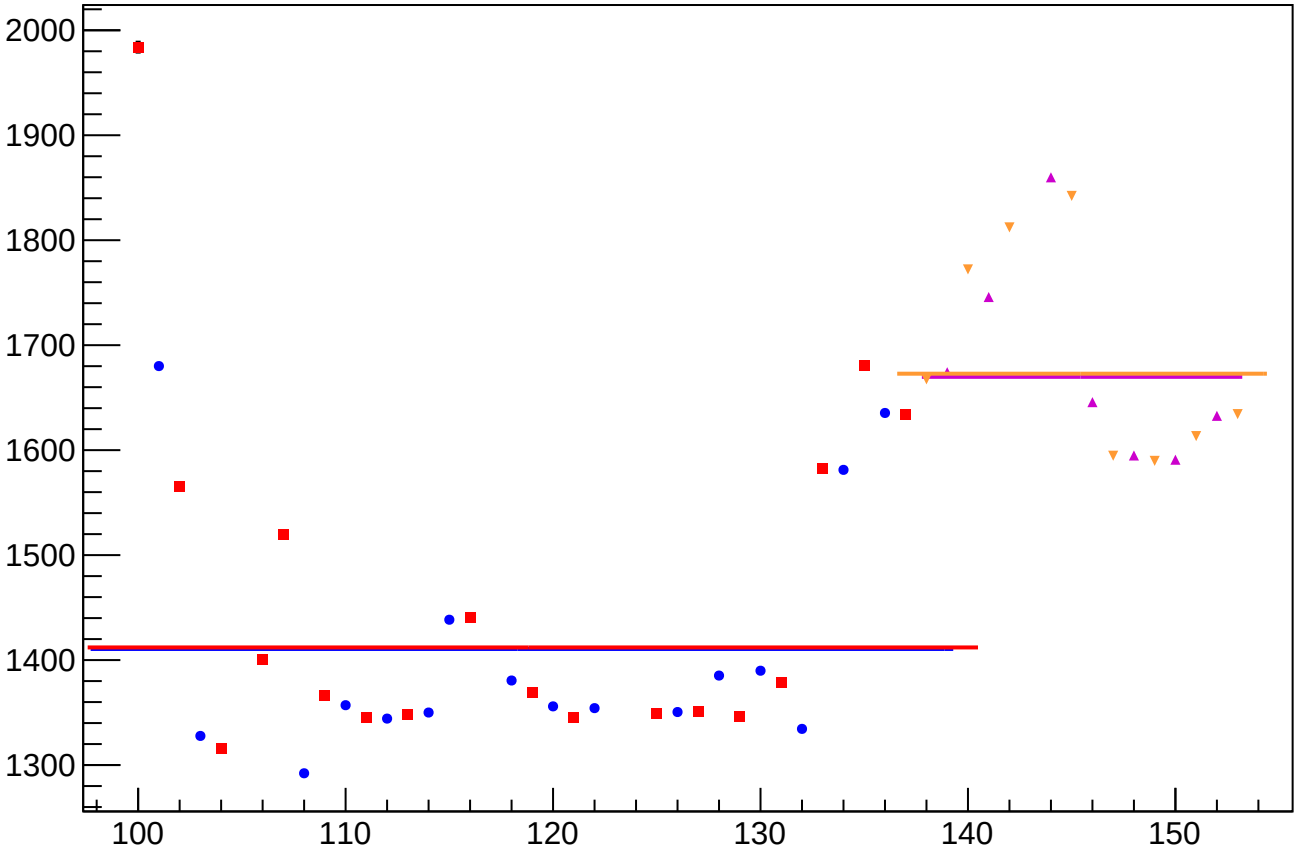
Left In: -2336.562+/-674.979 χ^2/NDF:10.9/6

+ sign 1509.106+/-414.895 χ^2/NDF: 29.2/23

All: -339.018+/-293.859 χ^2/NDF: 93.3/48

- sign -2199.388+/-416.267 χ^2/NDF: 24.2/24

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1672.833+/-0.476 χ^2/NDF:35924.4/7

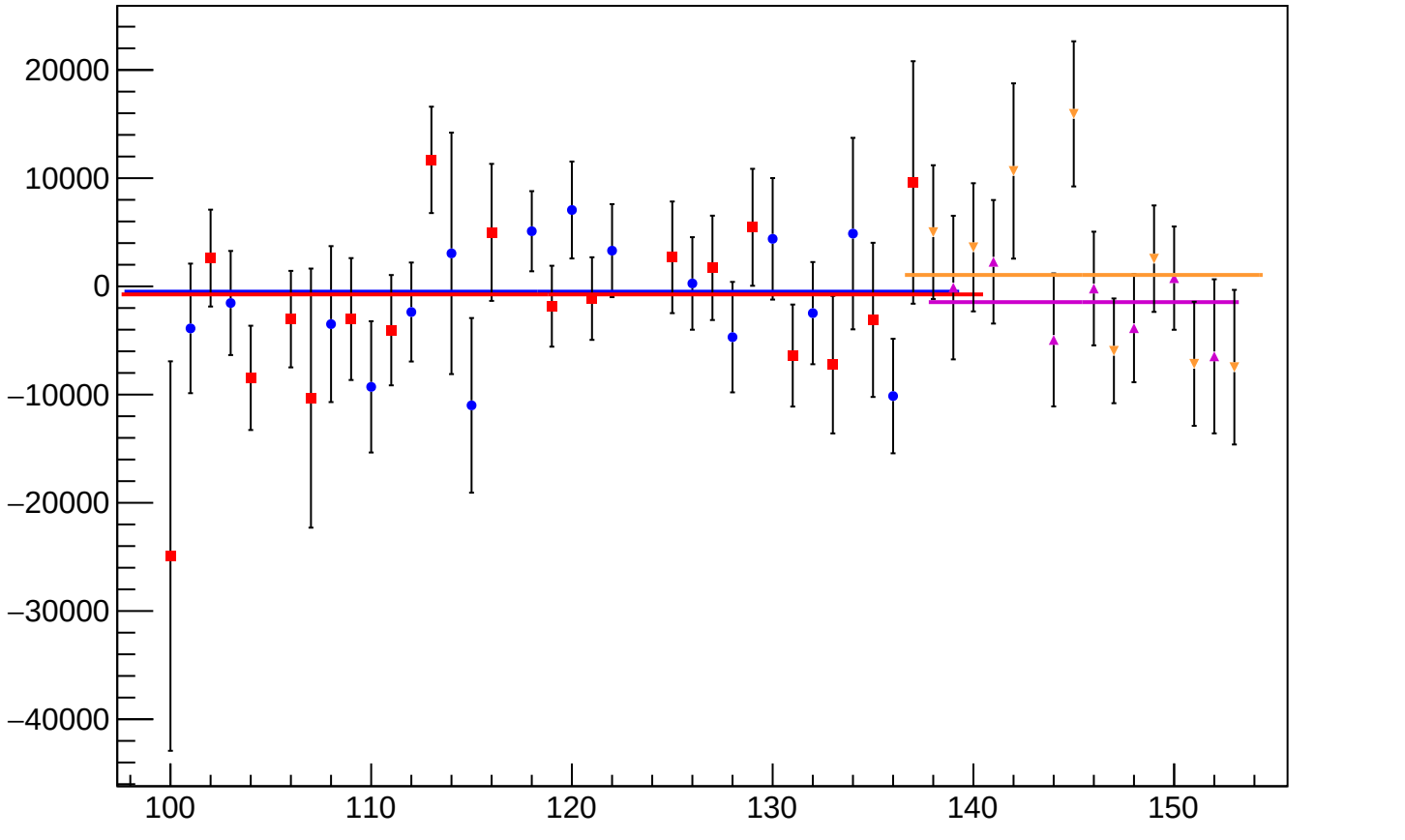
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1669.847+/-0.477 χ^2/NDF:31590.2/6

+ sign 1510.380+/-0.293 χ^2/NDF: 323415.1/23

All: 1510.077+/-0.208 χ^2/NDF: 625868.2/48

- sign 1509.773+/-0.294 χ^2/NDF: 302451.0/24



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 1055.252+/-2102.713 χ^2/NDF:12.6/7

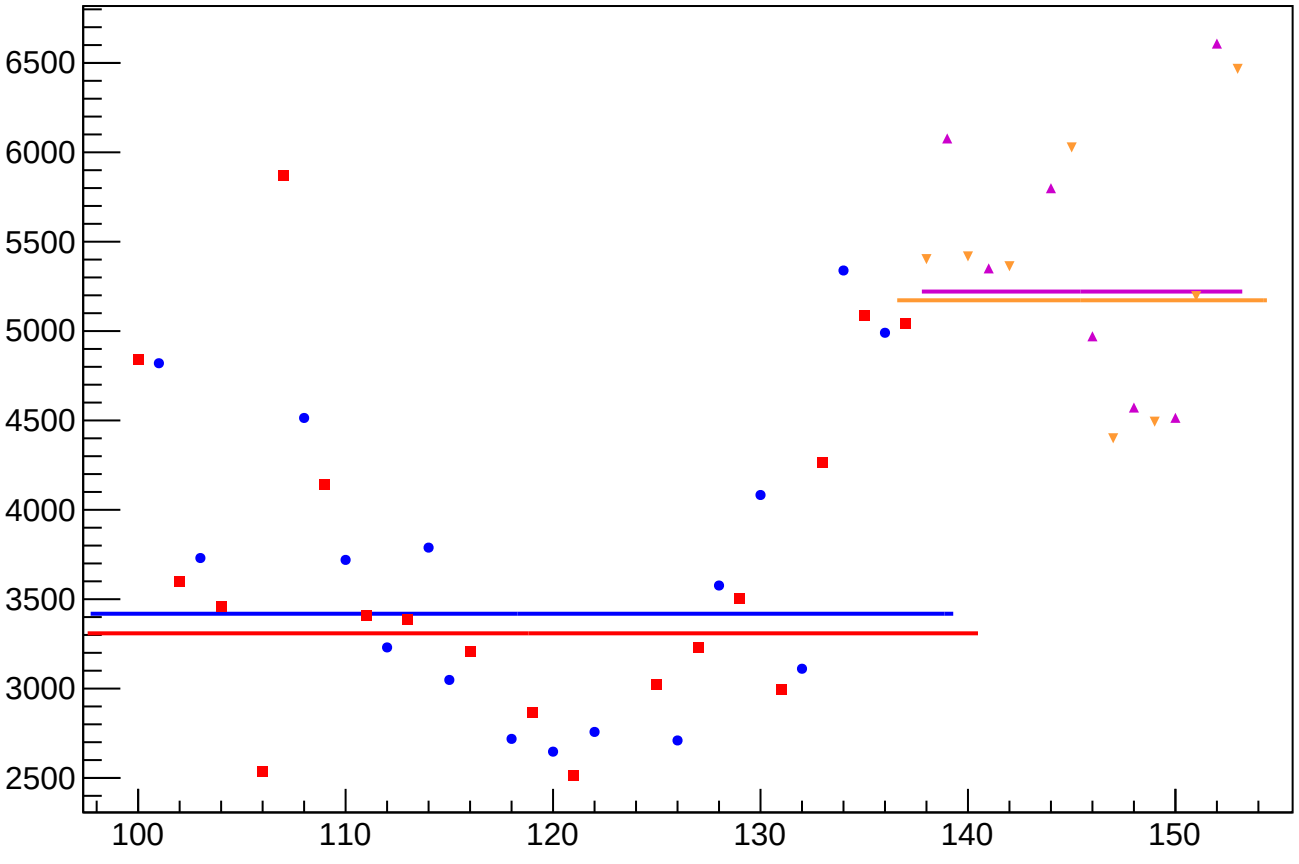
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1455.357+/-2132.553 χ^2/NDF:1.8/6

+ sign -58.121+/-1111.071 χ^2/NDF: 28.8/23

All: -503.954+/-773.347 χ^2/NDF: 50.2/48

- sign -922.923+/-1077.077 χ^2/NDF: 21.1/24



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5172.206+/-1.487 χ^2/NDF:194539.4/7

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

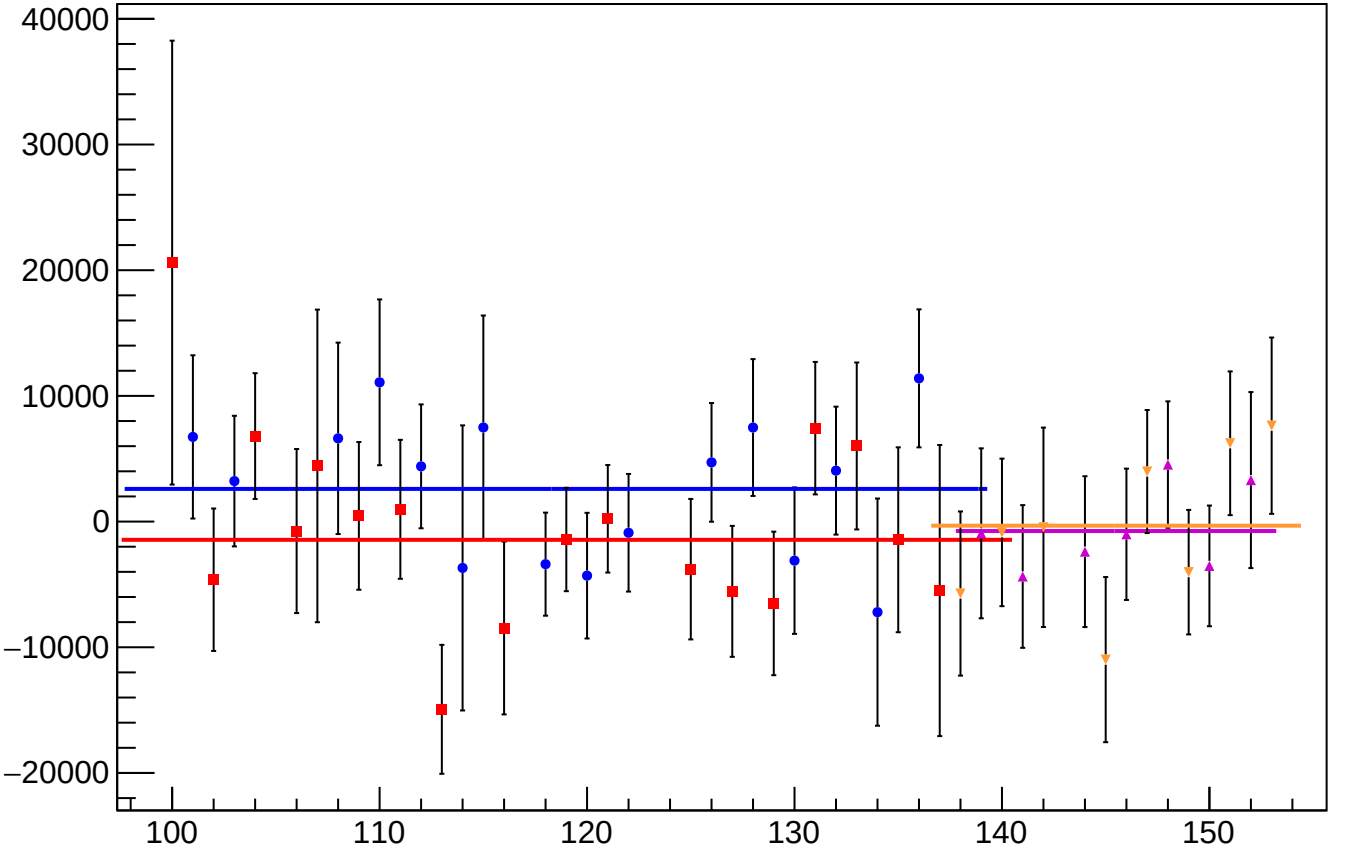
Left In: 5221.090+/-1.508 χ^2/NDF:210165.2/6

+ sign 3908.281+/-0.786 χ^2/NDF: 1918301.9/23

All: 3850.825+/-0.547 χ^2/NDF: 3908365.4/48

- sign 3796.832+/-0.762 χ^2/NDF: 1979689.4/24

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -325.030+/-2108.598 χ^2/NDF:7.3/7

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

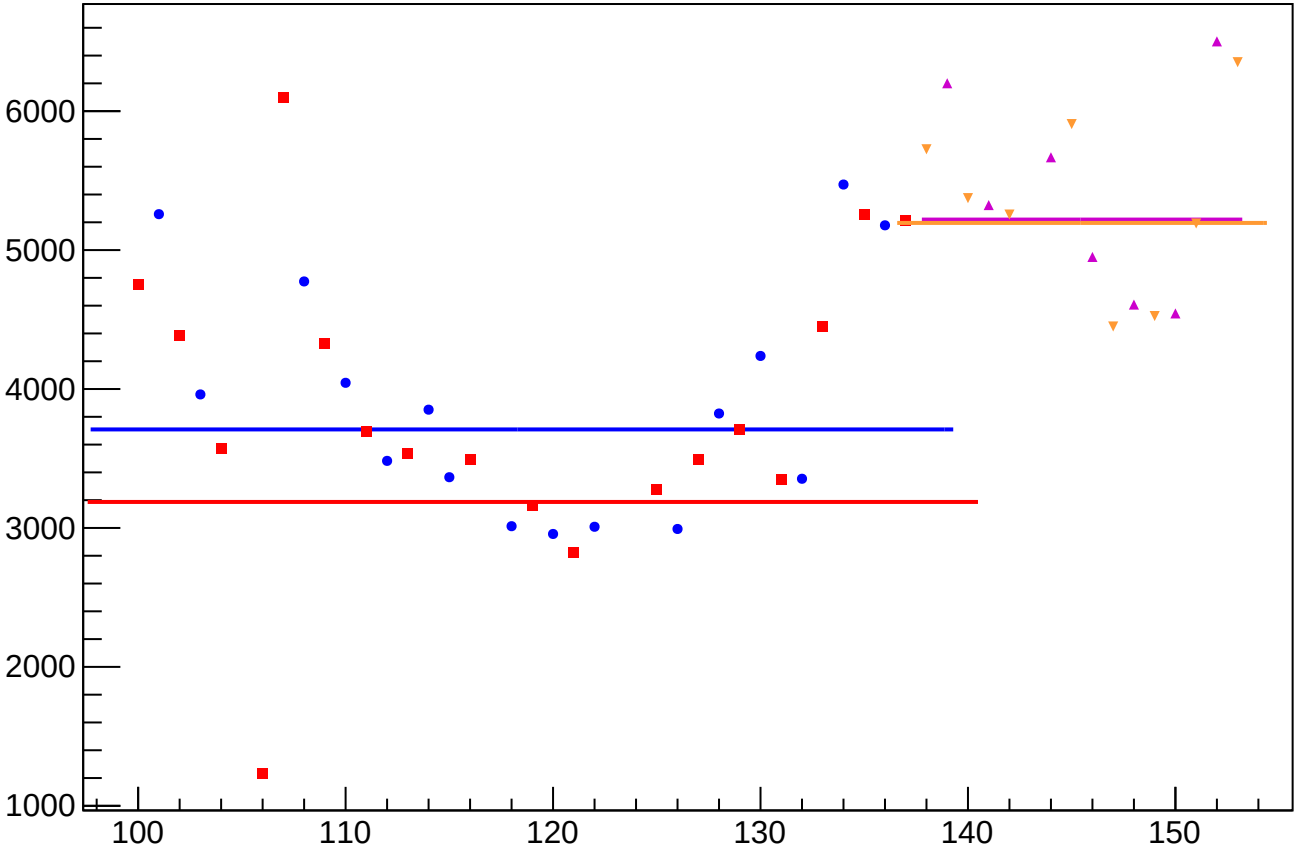
Left In: -750.915+/-2129.114 χ^2/NDF:2.3/6

+ sign 1691.964+/-1174.675 χ^2/NDF: 22.1/23

All: 205.698+/-825.272 χ^2/NDF: 46.6/48

- sign -1242.890+/-1159.690 χ^2/NDF: 21.4/24

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5195.536+/-1.491 χ^2/NDF:175984.8/7

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

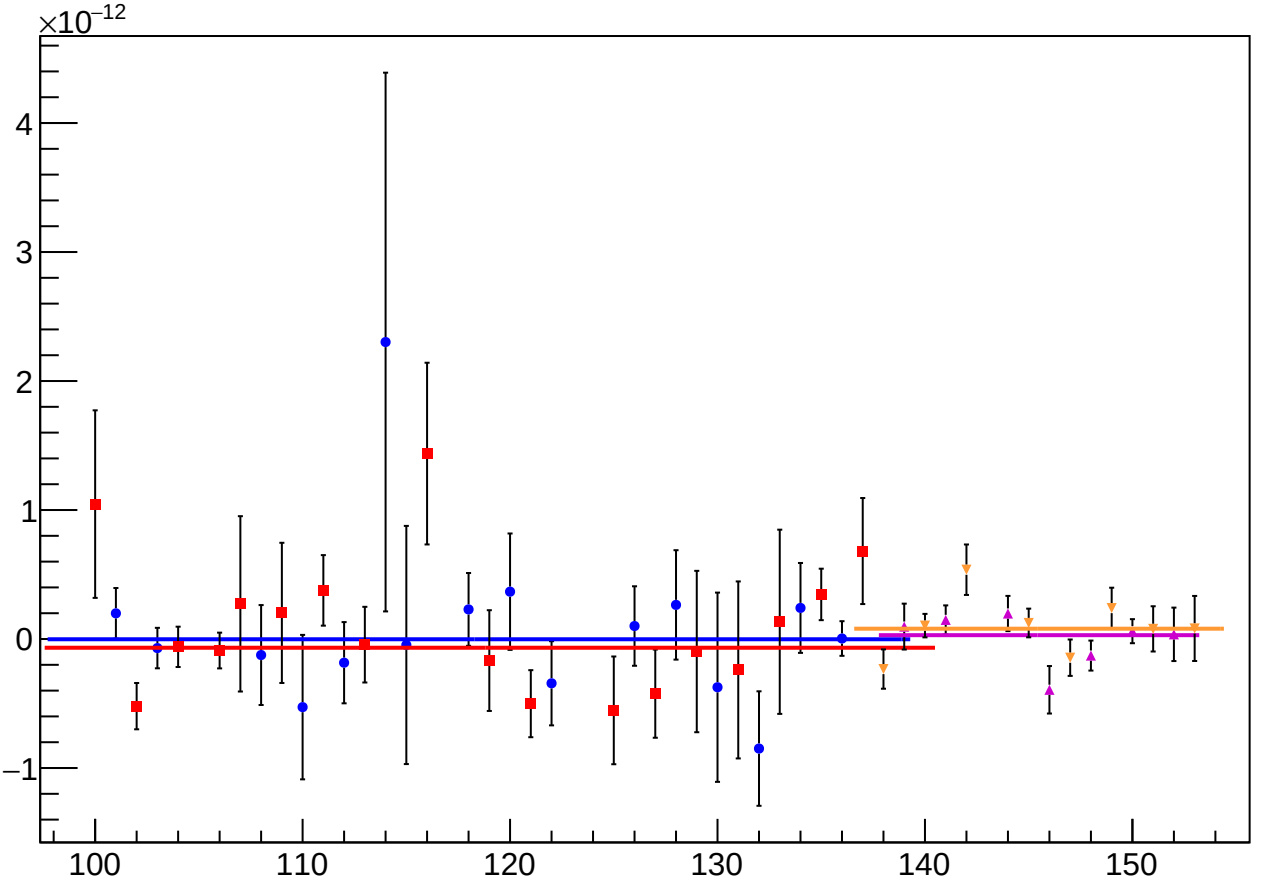
Left In: 5219.558+/-1.506 χ^2/NDF:195522.3/6

+ sign 4170.448+/-0.831 χ^2/NDF: 1472006.1/23

All: 3927.230+/-0.565 χ^2/NDF: 4783765.9/48

- sign 3718.390+/-0.770 χ^2/NDF: 3152397.9/24

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/7

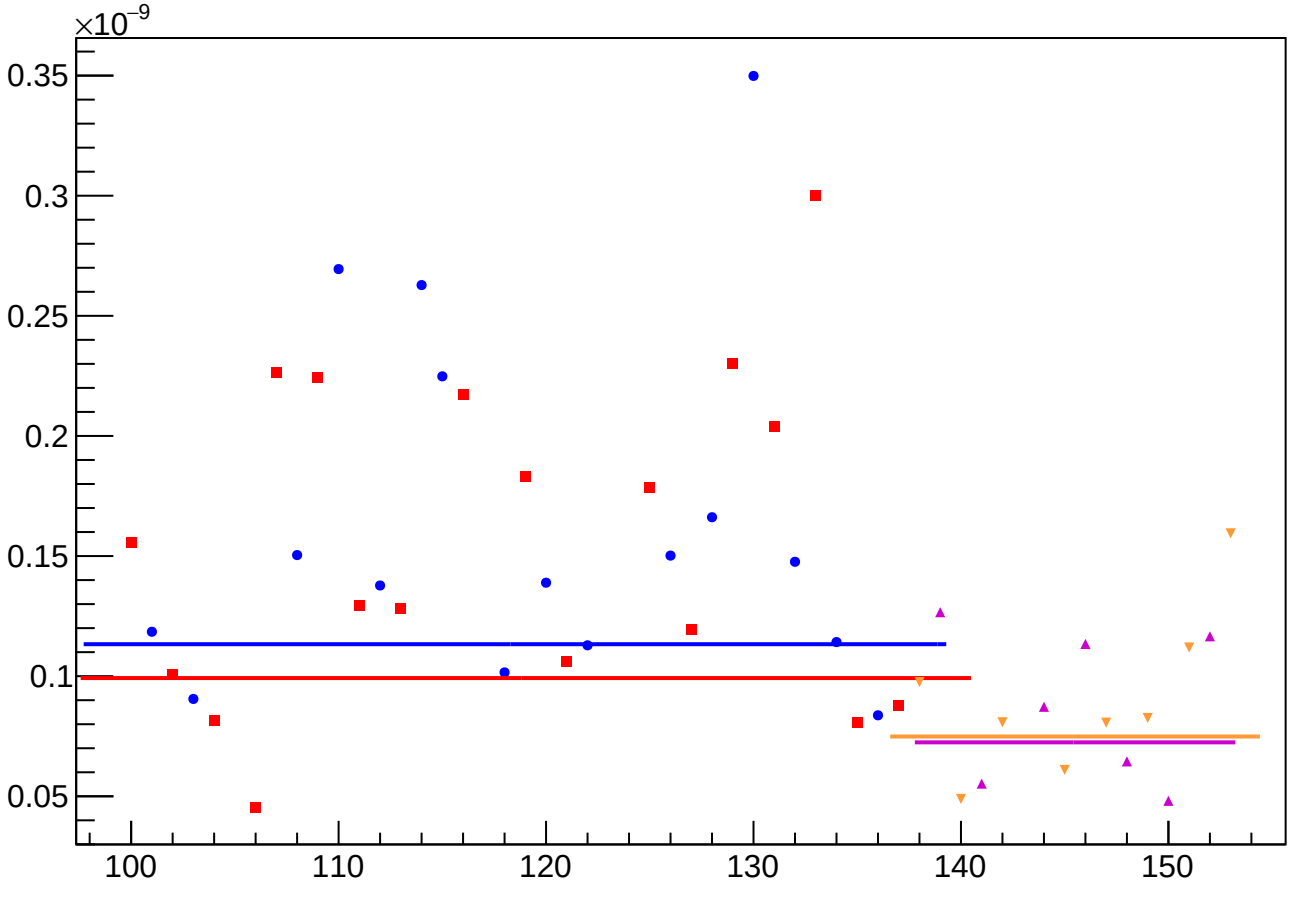
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:10.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/23

All: 0.000+/-0.000 χ^2/NDF: 67.5/48

- sign -0.000+/-0.000 χ^2/NDF: 40.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:562815.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

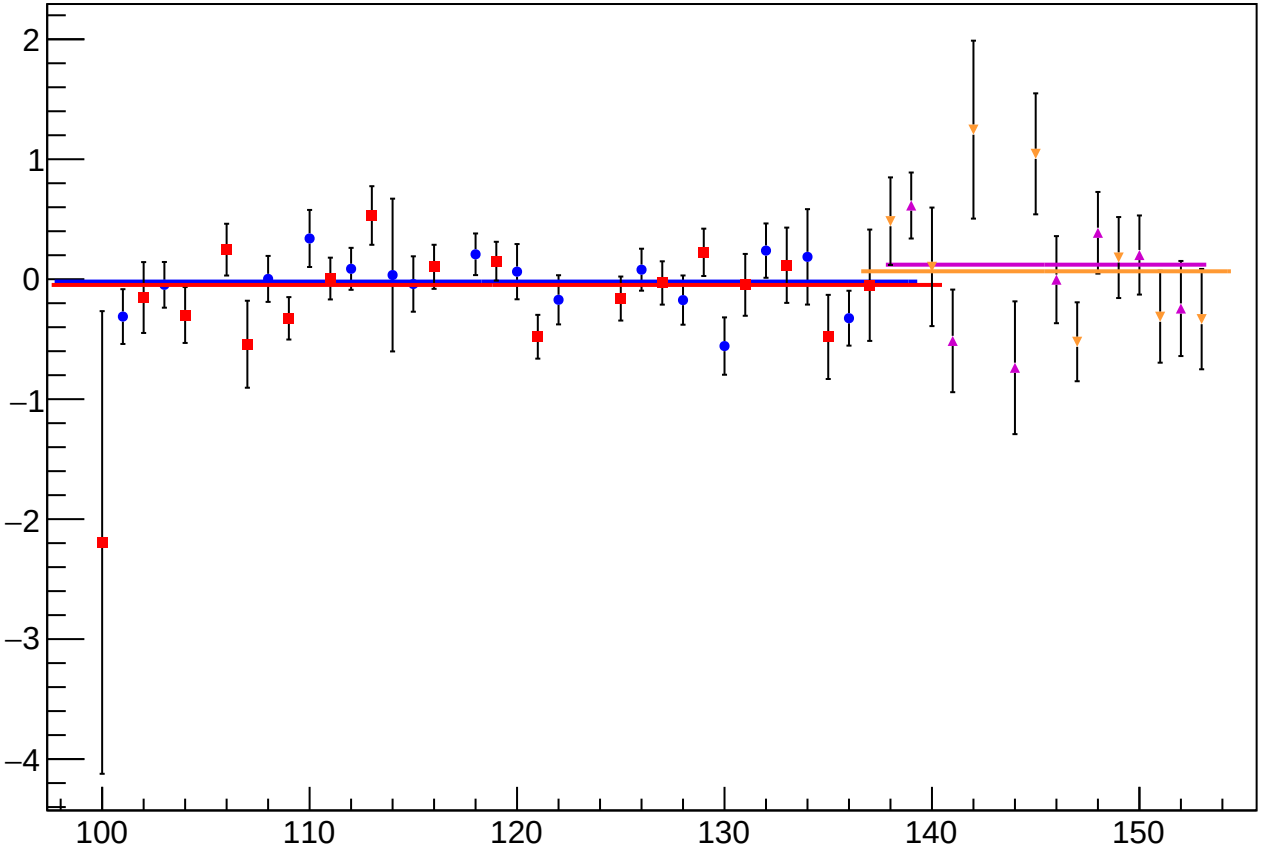
Left In: 0.000+/-0.000 χ^2/NDF:591087.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 1617376.2/23

All: 0.000+/-0.000 χ^2/NDF: 3538927.3/48

- sign 0.000+/-0.000 χ^2/NDF: 1903411.6/24

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.066+/-0.144 χ^2/NDF:12.8/7

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

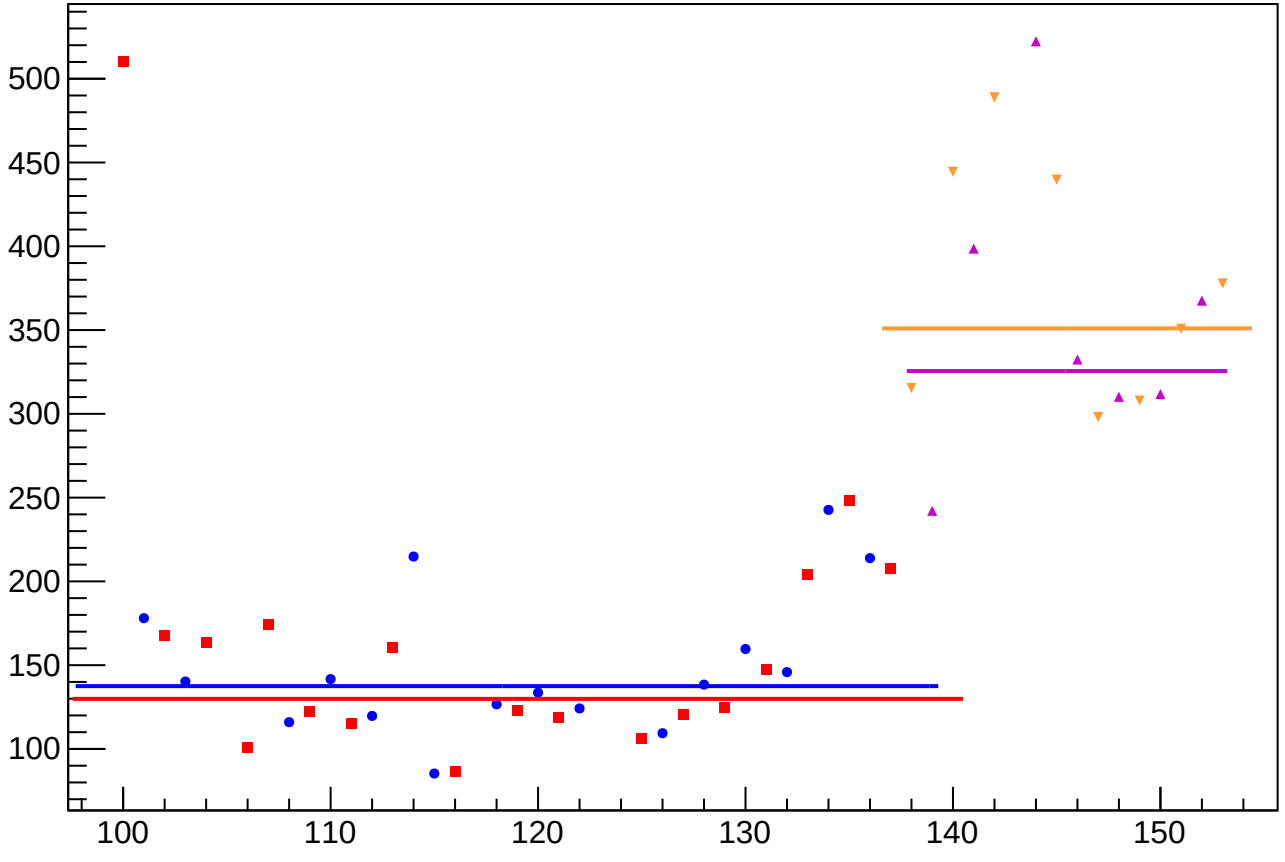
Left In: 0.121+/-0.136 χ^2/NDF:9.5/6

+ sign -0.009+/-0.051 χ^2/NDF: 29.1/23

All: -0.018+/-0.035 χ^2/NDF: 66.3/48

- sign -0.026+/-0.049 χ^2/NDF: 37.1/24

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 351.009+/-0.102 χ^2/NDF:314291.7/7

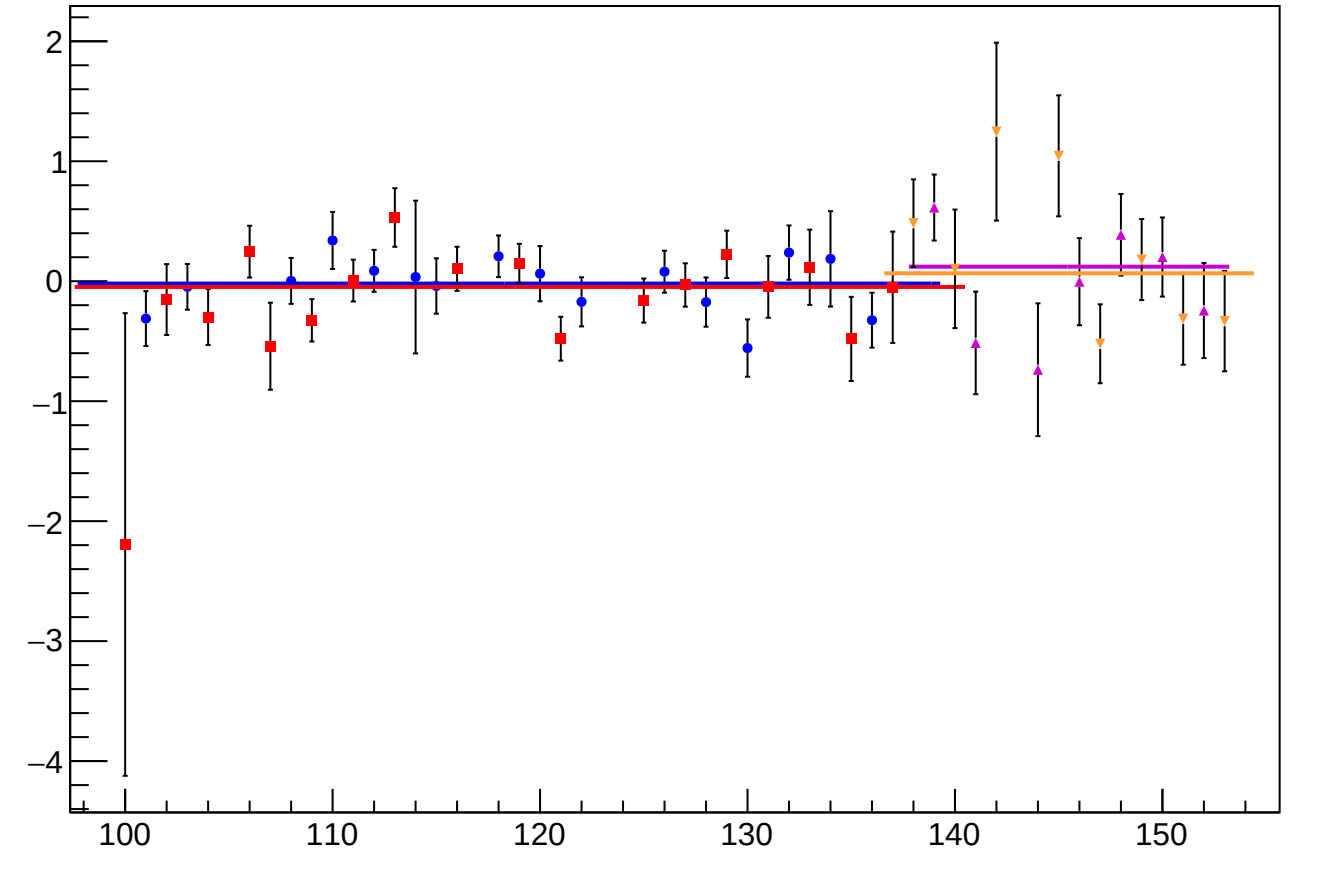
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.555+/-0.096 χ^2/NDF:525866.4/6

+ sign 163.834+/-0.036 χ^2/NDF: 4835617.9/23

All: 159.325+/-0.025 χ^2/NDF: 9809634.2/48

- sign 155.122+/-0.035 χ^2/NDF: 4943510.0/24



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.066+/-0.144 χ^2/NDF:12.8/7

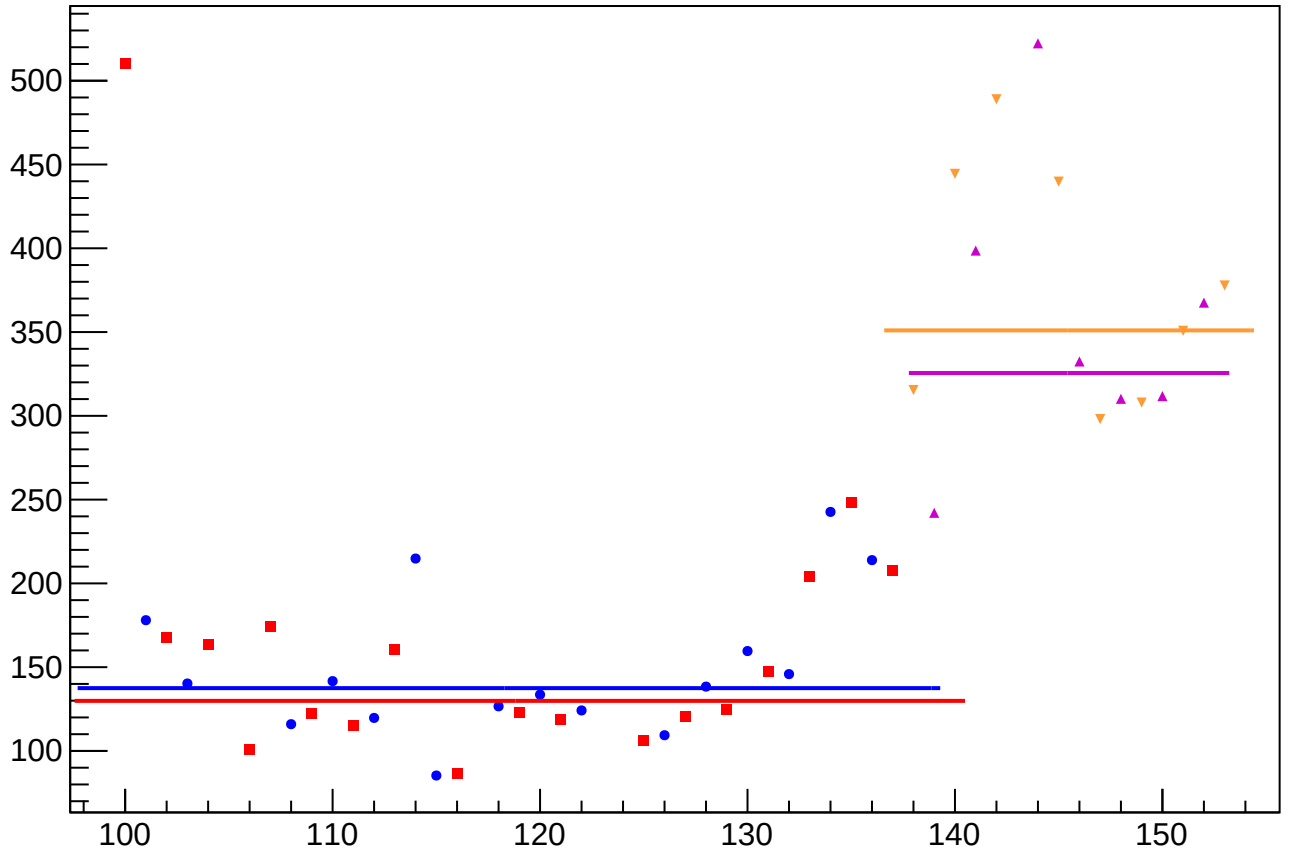
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.121+/-0.136 χ^2/NDF:9.5/6

+ sign -0.009+/-0.051 χ^2/NDF: 29.1/23

All: -0.018+/-0.035 χ^2/NDF: 66.3/48

- sign -0.026+/-0.049 χ^2/NDF: 37.1/24



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 351.009+/-0.102 χ^2/NDF:314291.7/7

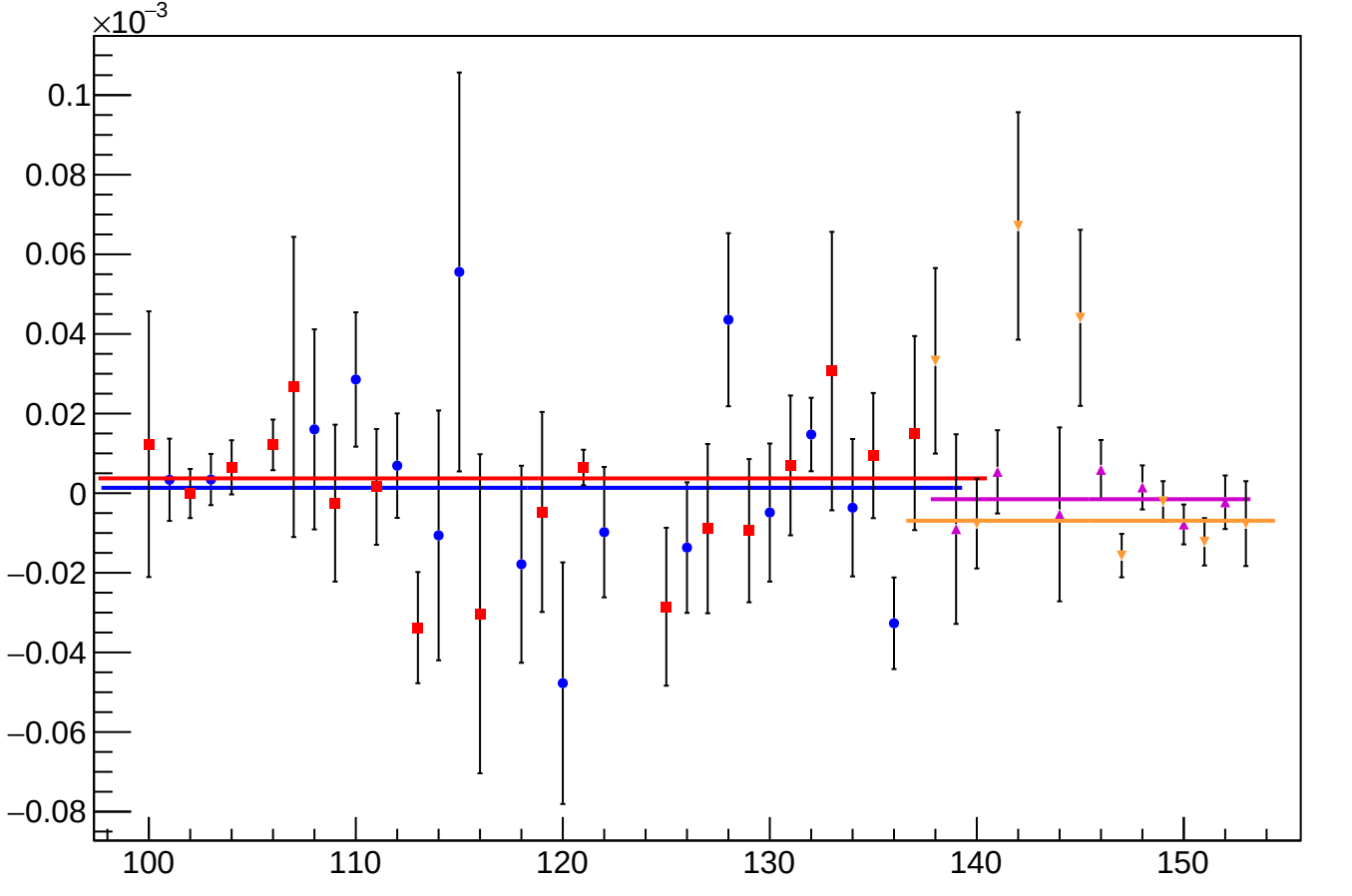
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.555+/-0.096 χ^2/NDF:525866.4/6

+ sign 163.834+/-0.036 χ^2/NDF: 4835617.9/23

All: 159.325+/-0.025 χ^2/NDF: 9809634.2/48

- sign 155.122+/-0.035 χ^2/NDF: 4943510.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/7

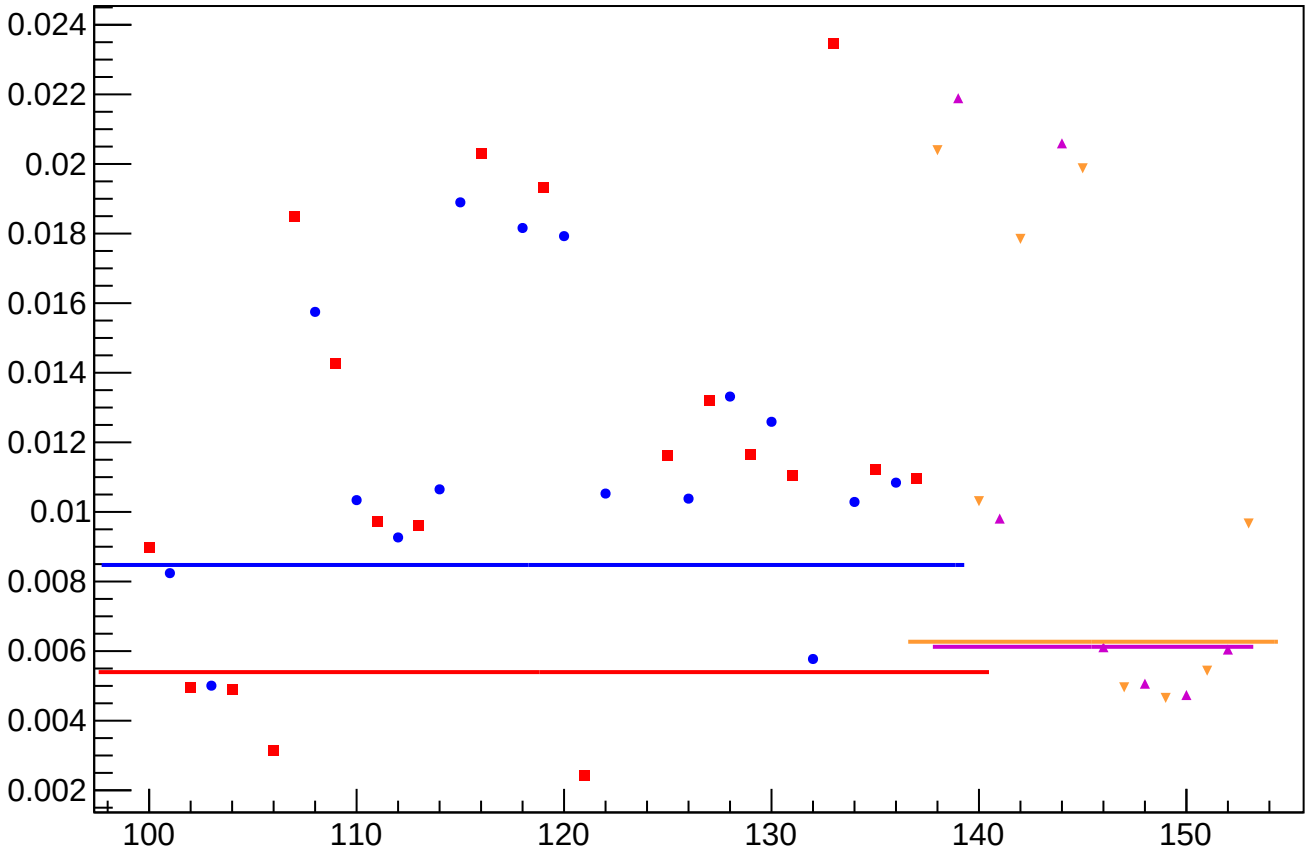
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:3.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/23

All: -0.000+/-0.000 χ^2/NDF: 70.7/48

- sign 0.000+/-0.000 χ^2/NDF: 21.1/24



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:2635939.7/7

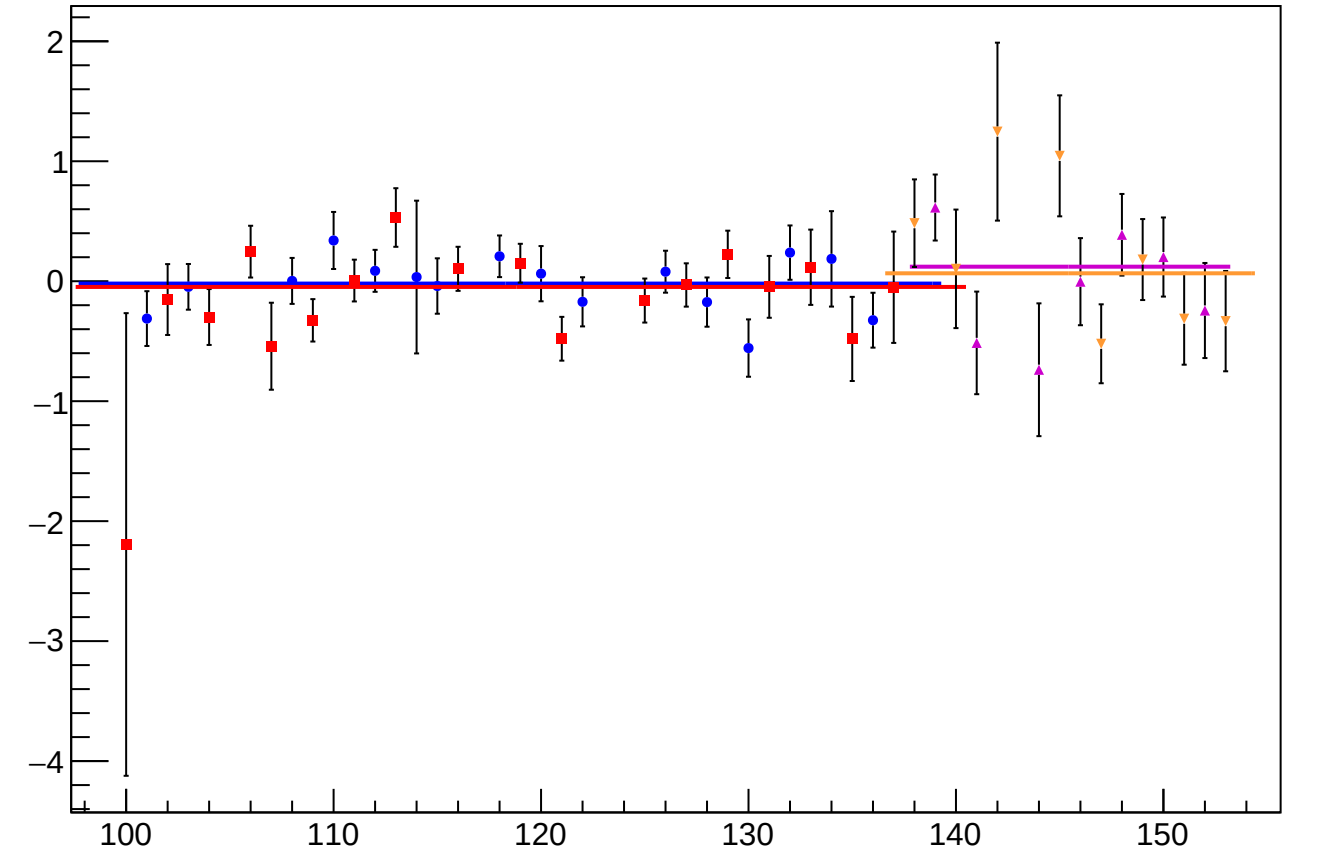
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.006+/-0.000 χ^2/NDF:2228812.2/6

+ sign 0.007+/-0.000 χ^2/NDF: 5046724.6/23

All: 0.006+/-0.000 χ^2/NDF: 12758678.2/48

- sign 0.006+/-0.000 χ^2/NDF: 7211562.8/24



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.066+/-0.144 χ^2/NDF:12.8/7

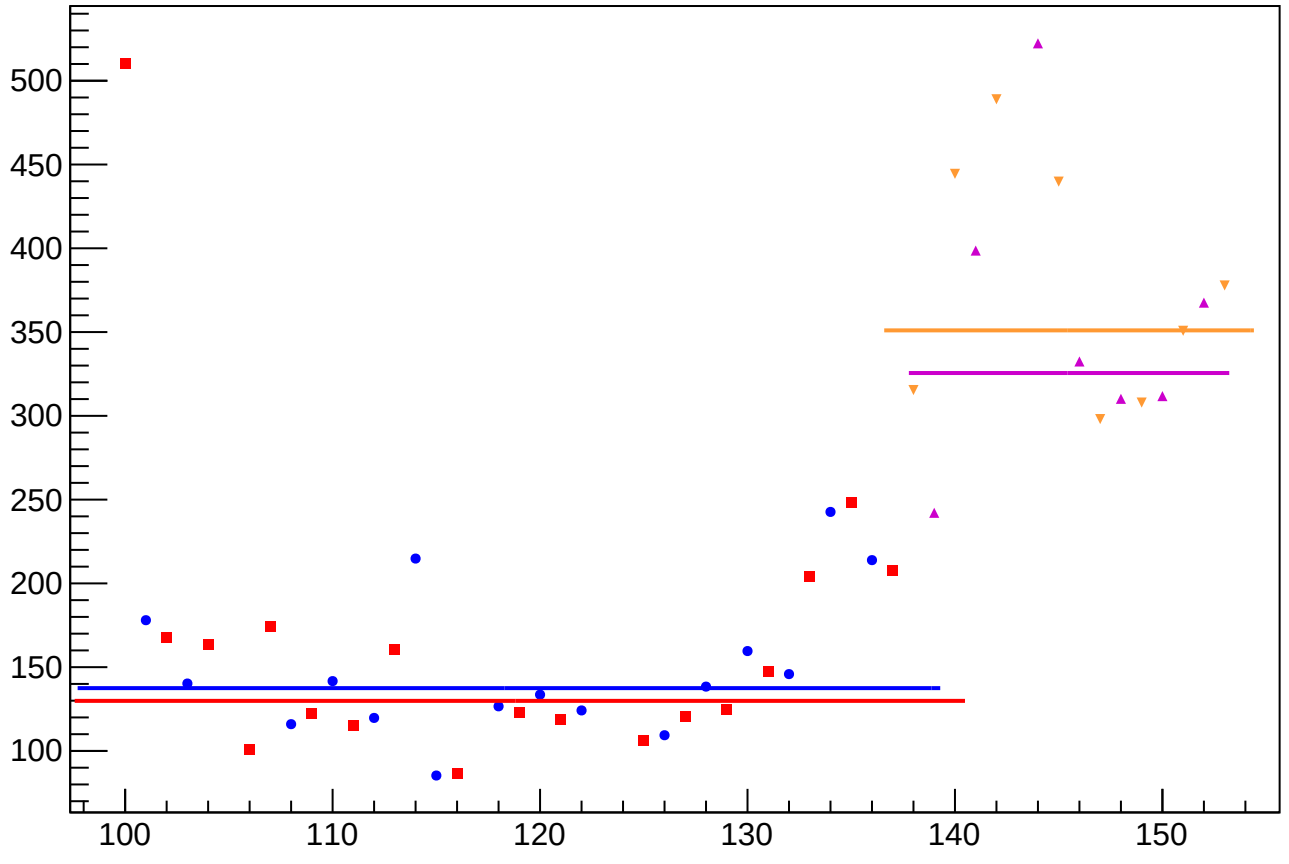
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.121+/-0.136 χ^2/NDF:9.5/6

+ sign -0.009+/-0.051 χ^2/NDF: 29.1/23

All: -0.018+/-0.035 χ^2/NDF: 66.3/48

- sign -0.026+/-0.049 χ^2/NDF: 37.1/24



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 351.011+/-0.102 χ^2/NDF:314320.8/7

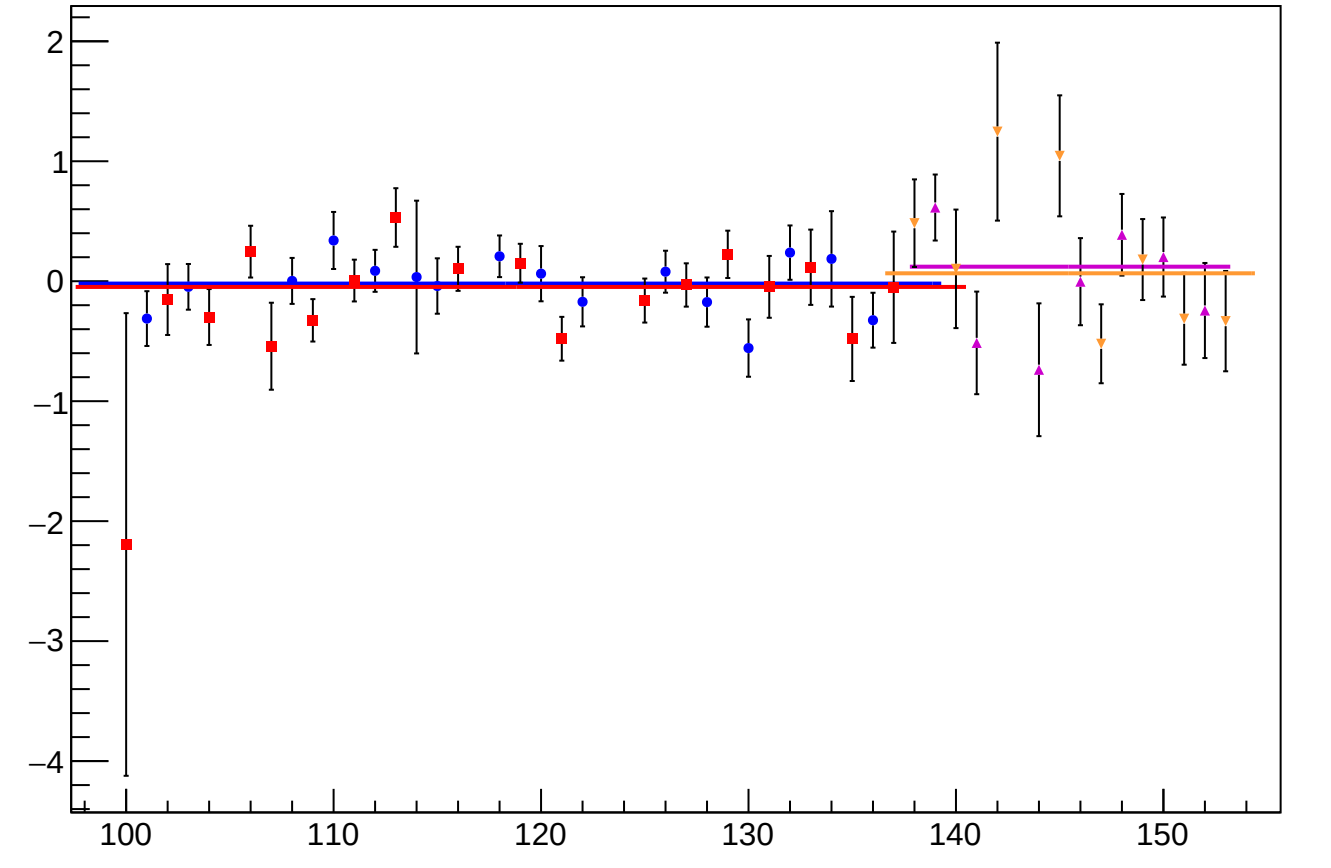
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.560+/-0.096 χ^2/NDF:525848.7/6

+ sign 163.834+/-0.036 χ^2/NDF: 4835672.9/23

All: 159.324+/-0.025 χ^2/NDF: 9809706.4/48

- sign 155.122+/-0.035 χ^2/NDF: 4943528.6/24



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.066+/-0.144 χ^2/NDF:12.8/7

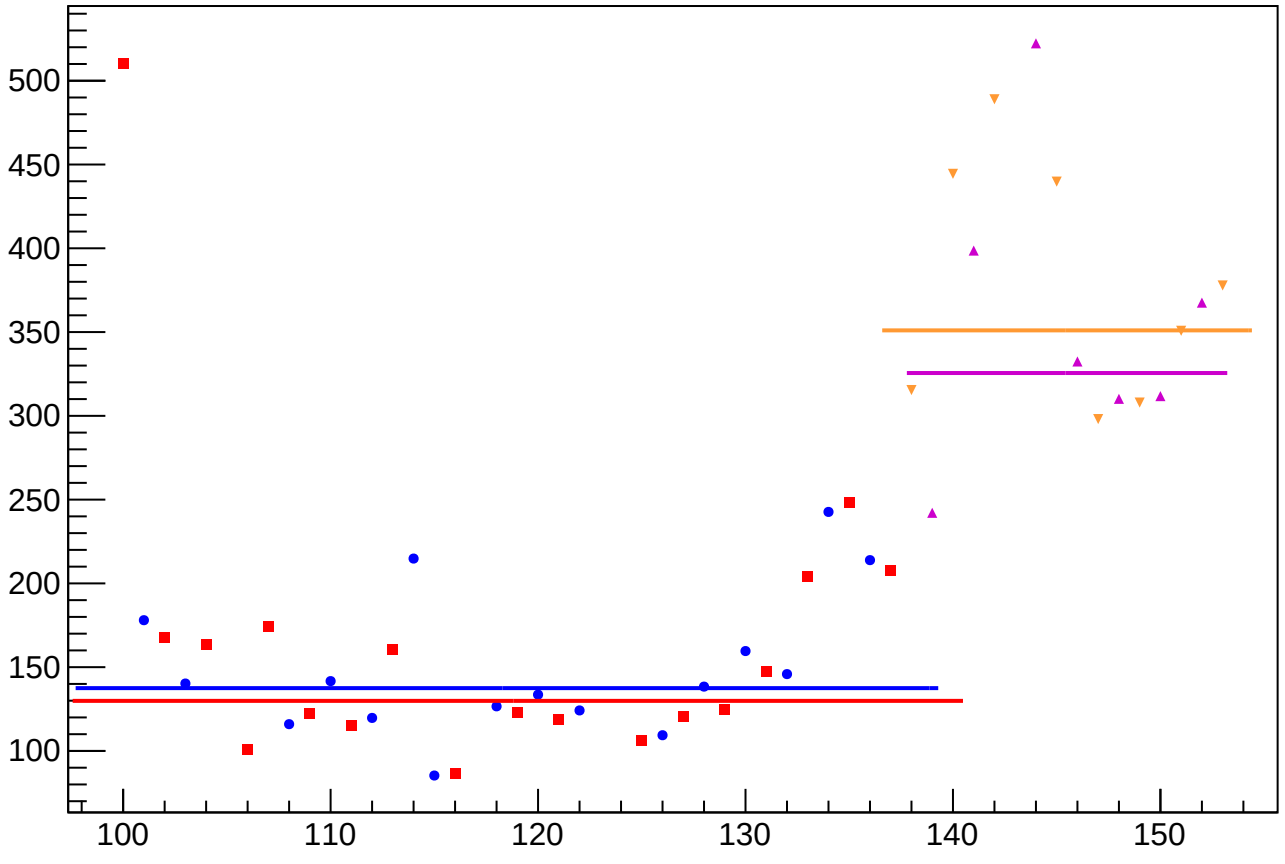
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.121+/-0.136 χ^2/NDF:9.5/6

+ sign -0.009+/-0.051 χ^2/NDF: 29.1/23

All: -0.018+/-0.035 χ^2/NDF: 66.3/48

- sign -0.026+/-0.049 χ^2/NDF: 37.1/24



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 351.011+/-0.102 χ^2/NDF:314320.8/7

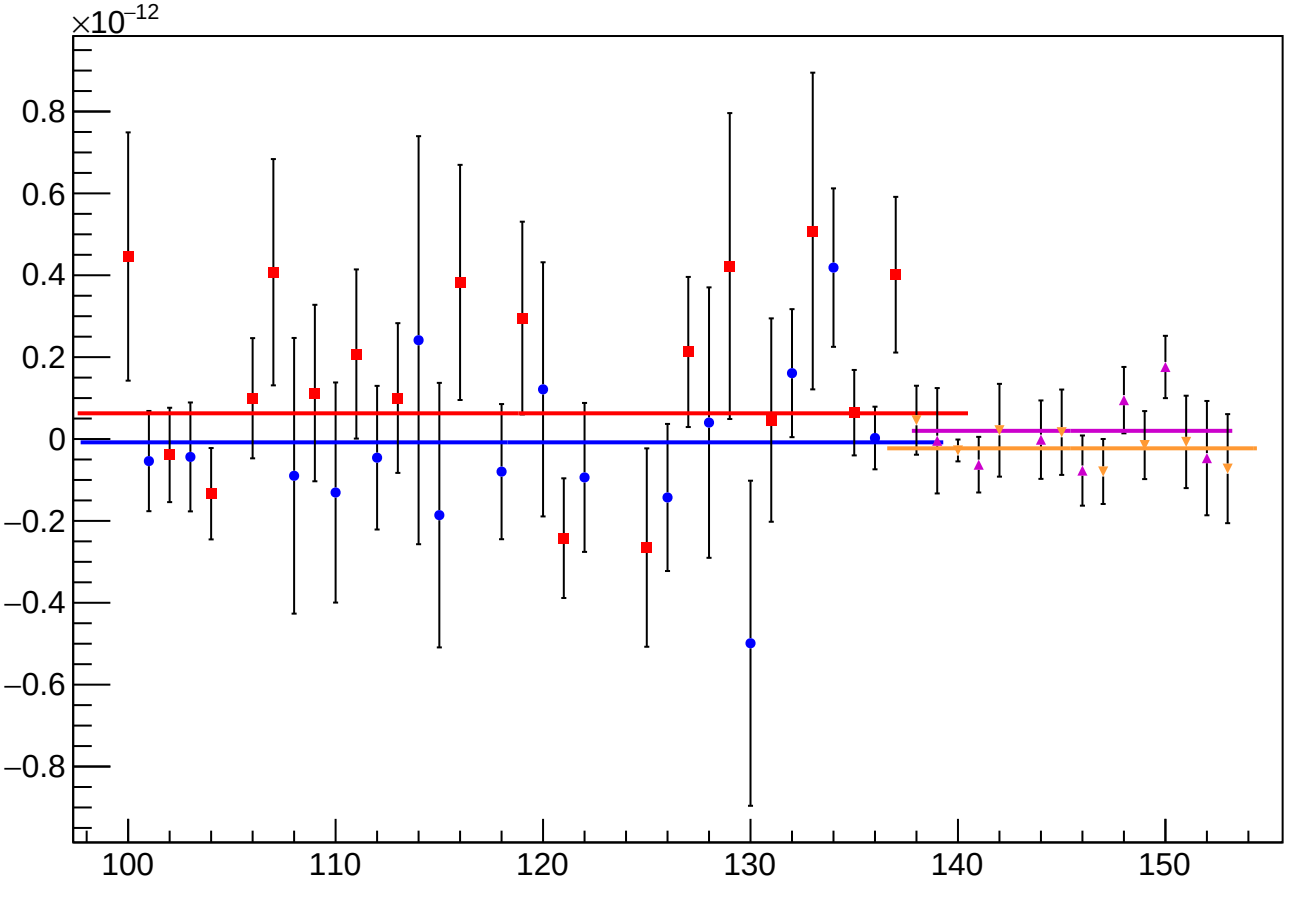
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.560+/-0.096 χ^2/NDF:525848.7/6

+ sign 163.834+/-0.036 χ^2/NDF: 4835672.9/23

All: 159.324+/-0.025 χ^2/NDF: 9809706.4/48

- sign 155.122+/-0.035 χ^2/NDF: 4943528.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/7

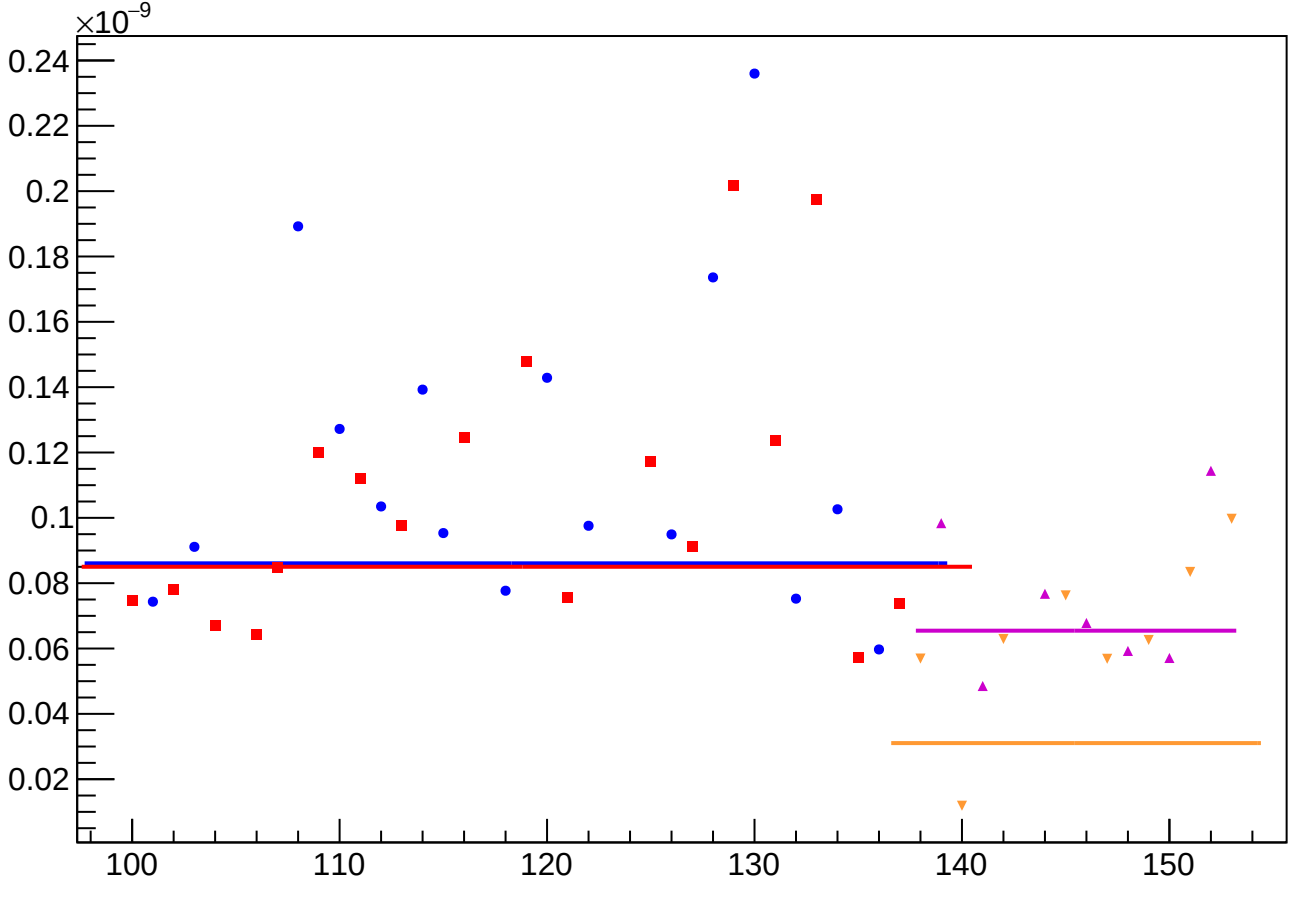
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:8.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 11.6/23

All: 0.000+/-0.000 χ^2/NDF: 45.6/48

- sign 0.000+/-0.000 χ^2/NDF: 30.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3218722.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

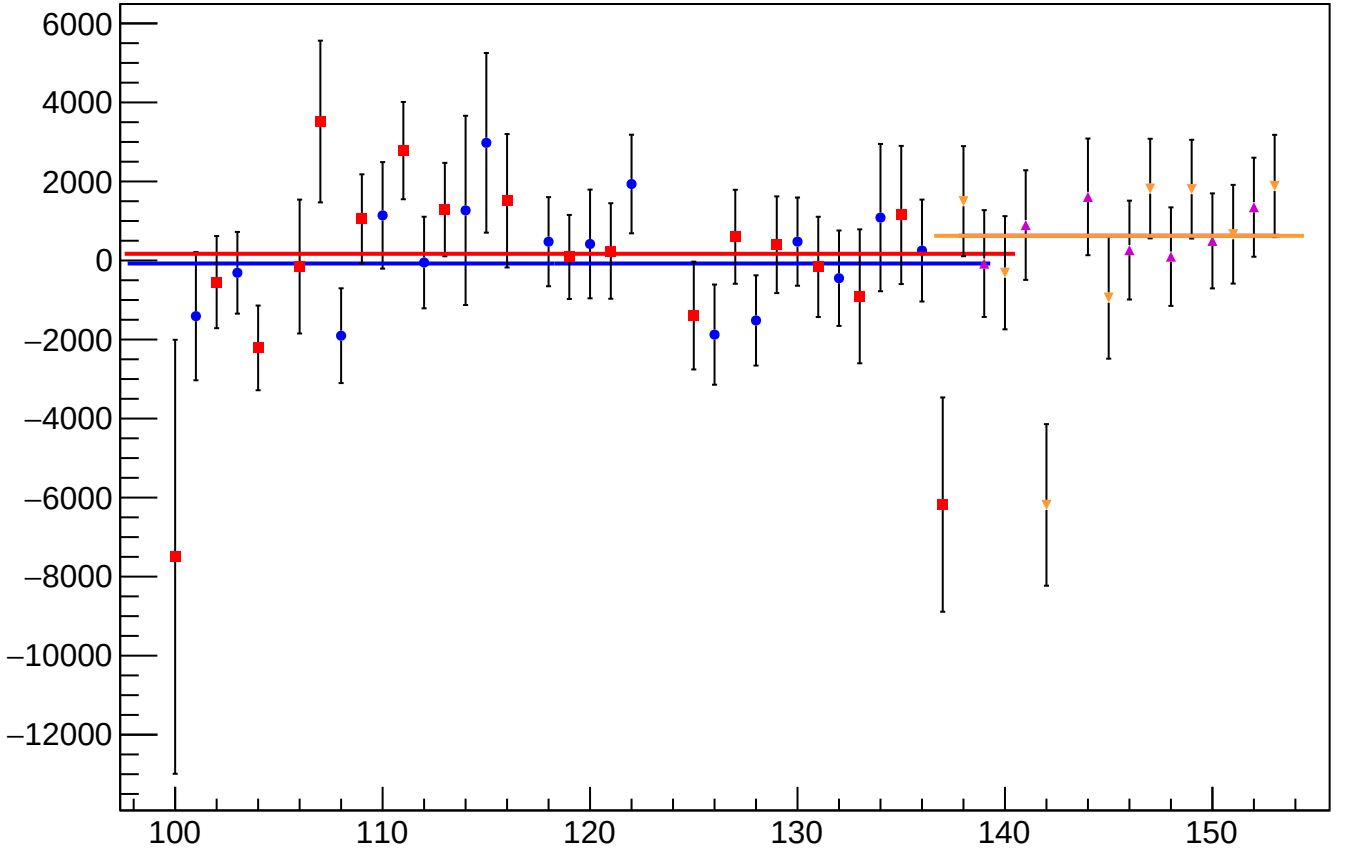
Left In: 0.000+/-0.000 χ^2/NDF:565778.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 6960348.8/23

All: 0.000+/-0.000 χ^2/NDF: 10584254.2/48

- sign 0.000+/-0.000 χ^2/NDF: 1817121.4/24

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 624.872+/-489.735 χ^2/NDF:15.7/7

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

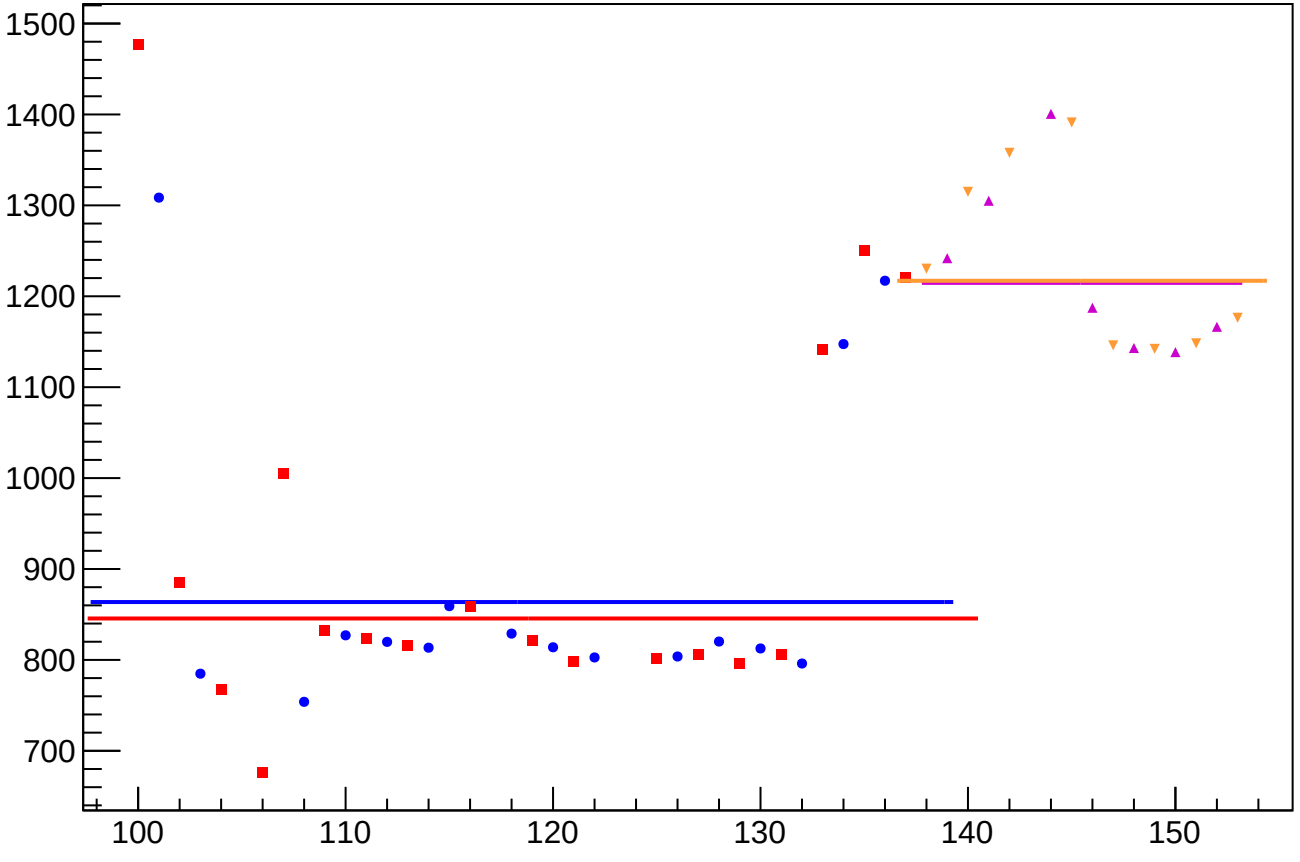
Left In: 627.343+/-491.610 χ^2/NDF:1.4/6

+ sign 139.450+/-271.504 χ^2/NDF: 30.5/23

All: 223.789+/-191.185 χ^2/NDF: 57.0/48

- sign 306.740+/-269.262 χ^2/NDF: 26.3/24

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1217.029+/-0.346 χ^2/NDF:65967.3/7

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

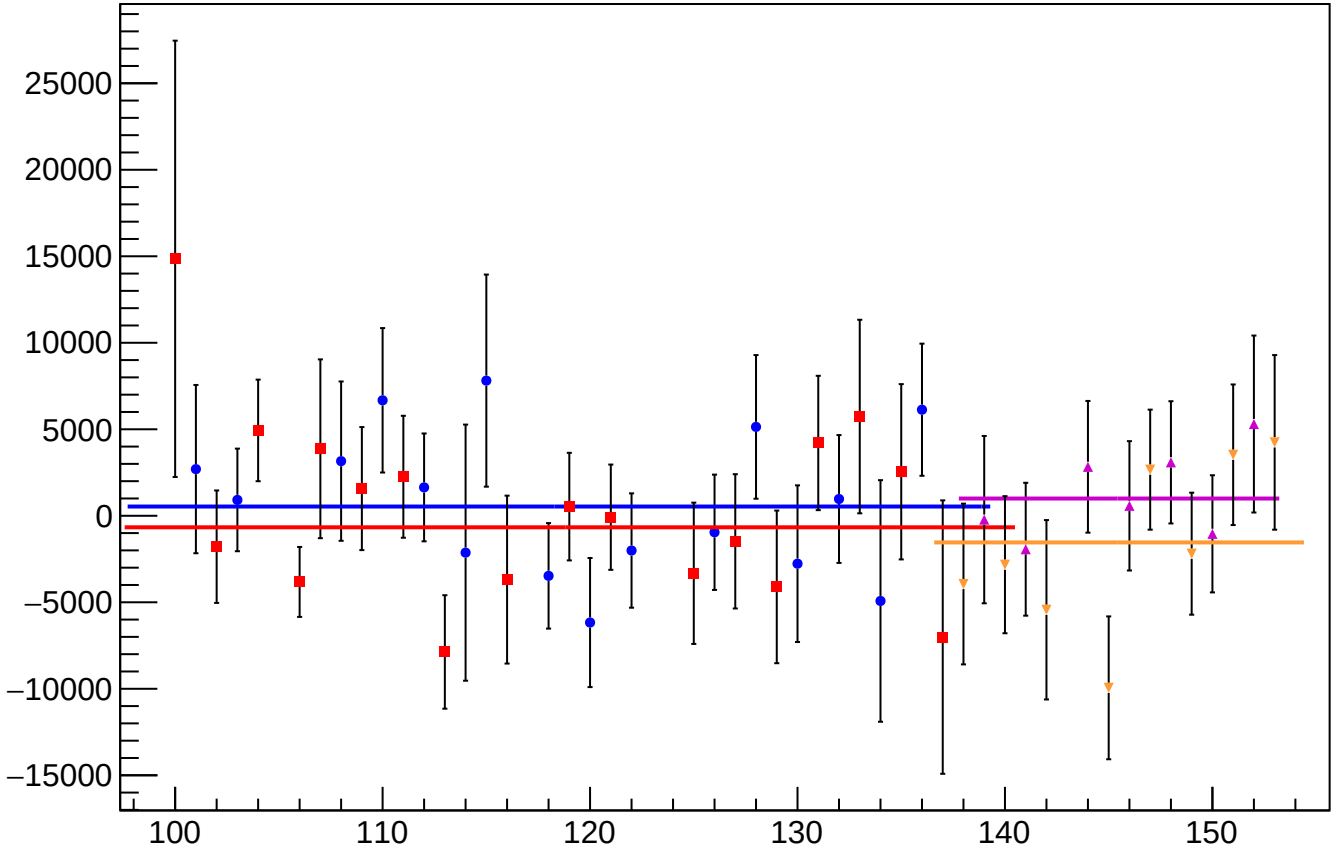
Left In: 1214.755+/-0.348 χ^2/NDF:59575.6/6

+ sign 972.268+/-0.192 χ^2/NDF: 1194701.9/23

All: 963.187+/-0.135 χ^2/NDF: 2361828.8/48

- sign 954.410+/-0.189 χ^2/NDF: 1162726.6/24

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -1540.483+/-1459.758 χ^2/NDF:9.5/7

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

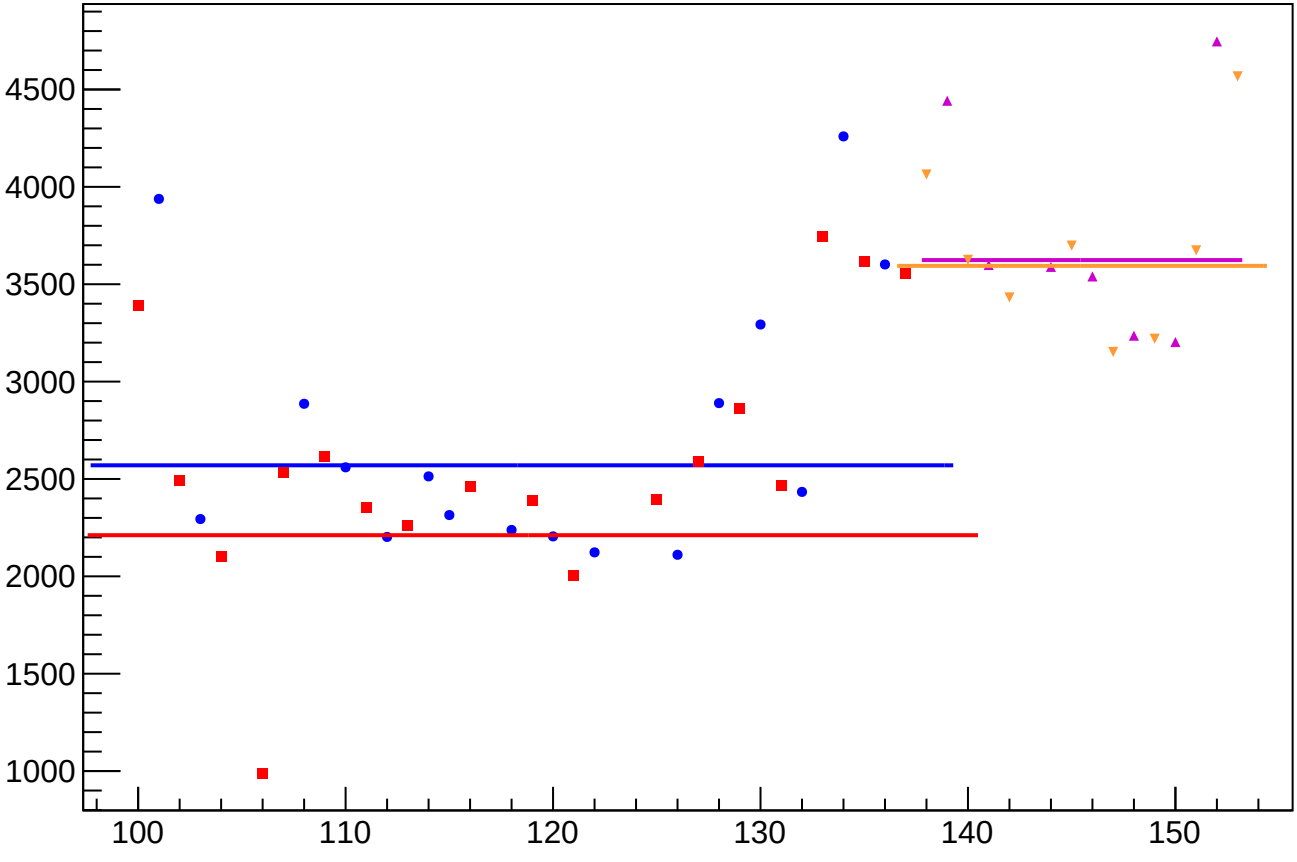
Left In: 996.642+/-1479.628 χ^2/NDF:2.3/6

+ sign -111.319+/-814.386 χ^2/NDF: 25.5/23

All: -182.548+/-550.387 χ^2/NDF: 48.7/48

- sign -242.435+/-746.735 χ^2/NDF: 23.2/24

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3594.339+/-1.032 χ^2/NDF:153923.6/7

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

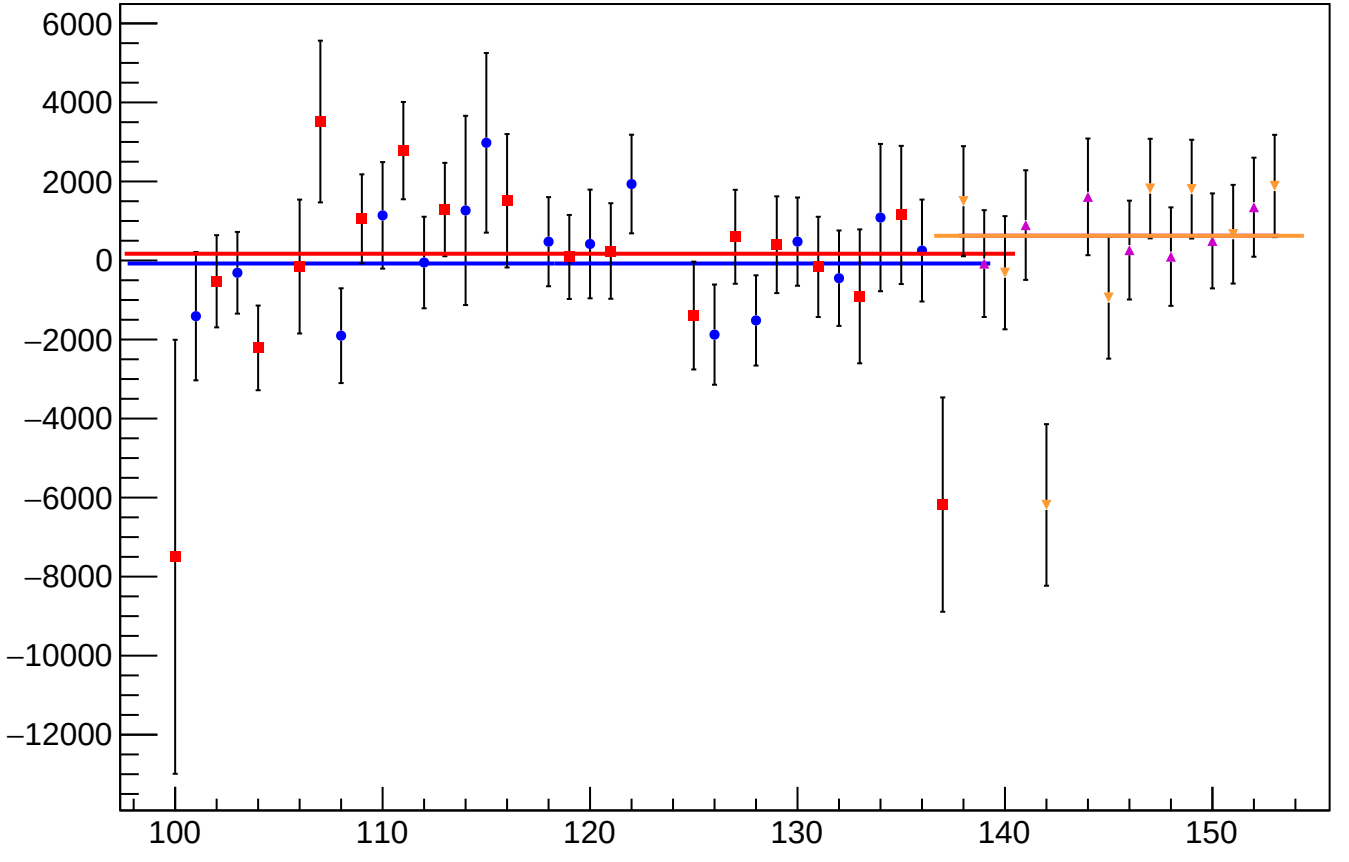
Left In: 3623.969+/-1.046 χ^2/NDF:210025.1/6

+ sign 2888.911+/-0.576 χ^2/NDF: 1494523.4/23

All: 2716.250+/-0.389 χ^2/NDF: 4492921.0/48

- sign 2571.083+/-0.528 χ^2/NDF: 2832913.9/24

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 624.828+/-489.735 χ^2/NDF:15.7/7

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

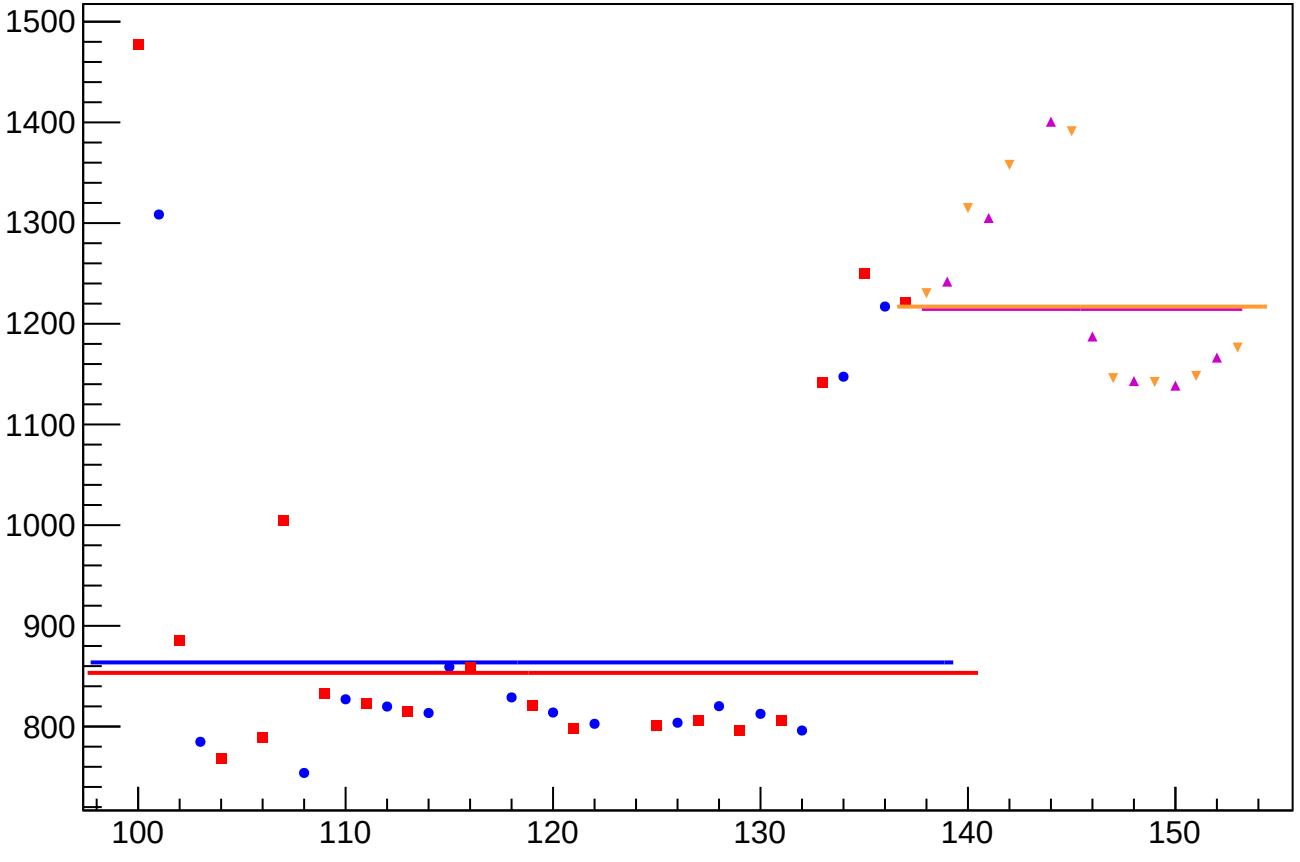
Left In: 627.400+/-491.610 χ^2/NDF:1.4/6

+ sign 139.383+/-271.504 χ^2/NDF: 30.5/23

All: 224.343+/-191.186 χ^2/NDF: 57.0/48

- sign 307.906+/-269.265 χ^2/NDF: 26.3/24

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1217.029+/-0.346 χ^2/NDF:65967.3/7

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

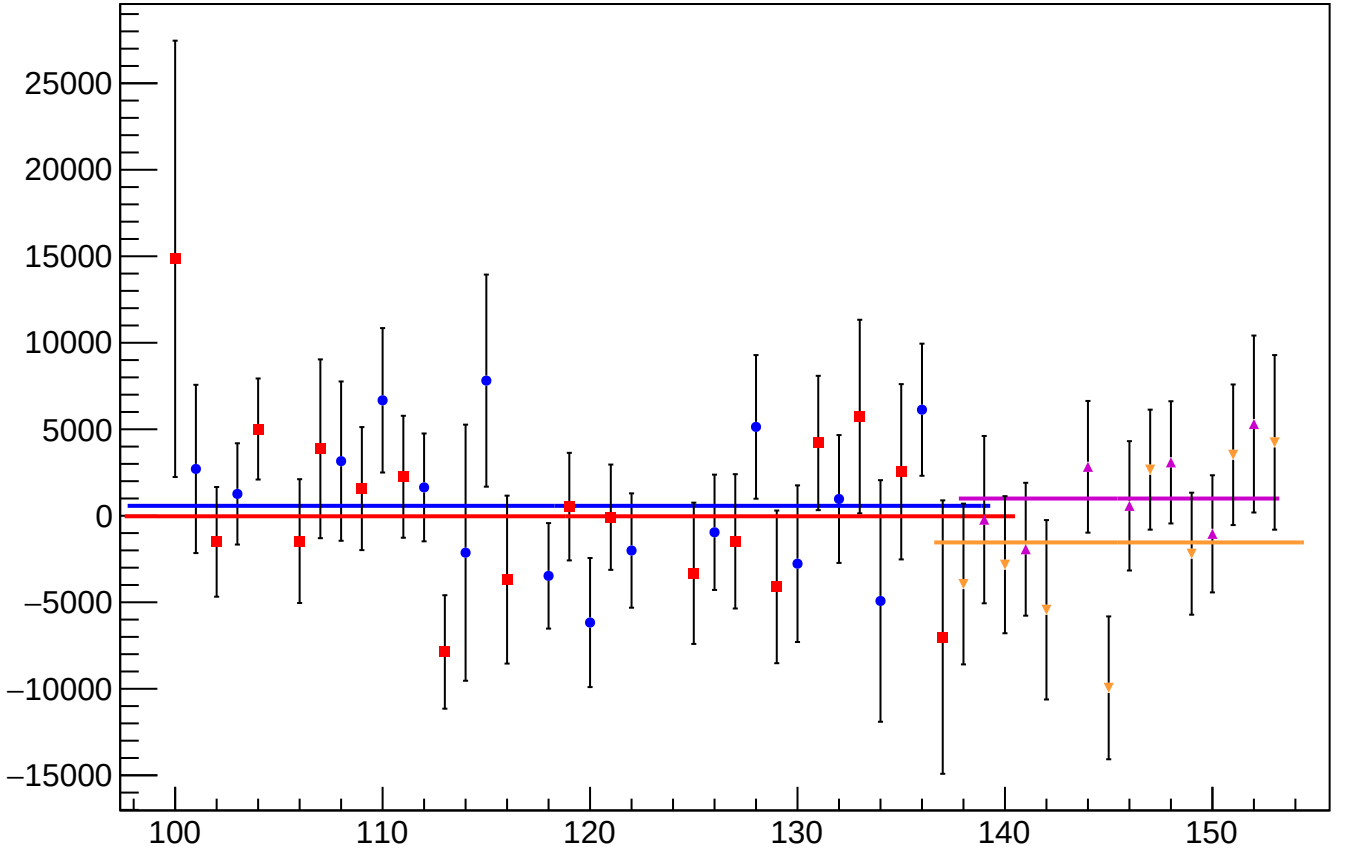
Left In: 1214.755+/-0.348 χ^2/NDF:59575.6/6

\+ sign 972.268+/-0.192 χ^2/NDF: 1194701.9/23

All: 966.539+/-0.135 χ^2/NDF: 2290614.5/48

\- sign 960.944+/-0.190 χ^2/NDF: 1094152.1/24

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -1540.541+/-1459.757 χ^2/NDF:9.5/7

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

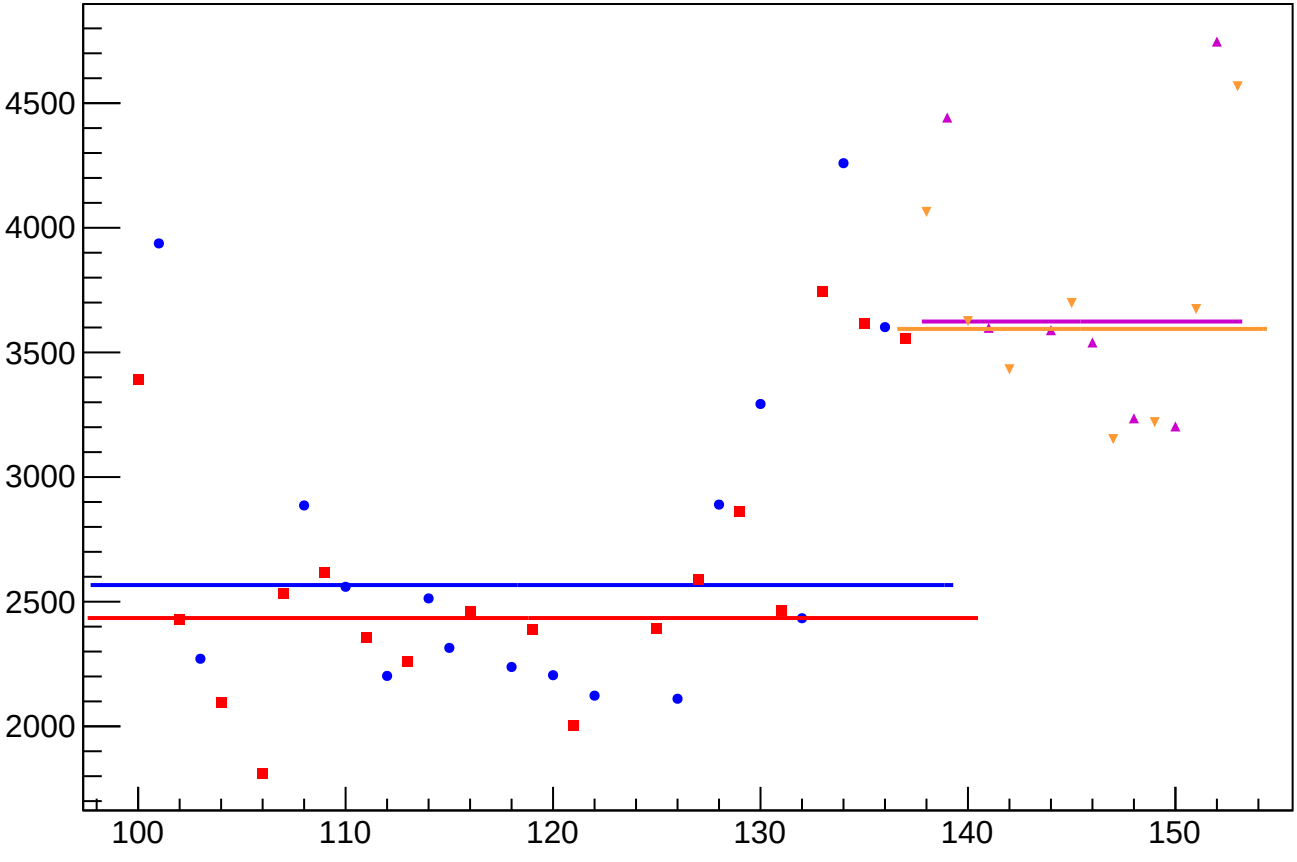
Left In: 996.670+/-1479.626 χ^2/NDF:2.3/6

+ sign -82.147+/-813.566 χ^2/NDF: 25.6/23

All: 94.635+/-564.004 χ^2/NDF: 45.6/48

- sign 258.207+/-782.581 χ^2/NDF: 19.9/24

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3594.338+/-1.032 χ^2/NDF:153922.6/7

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

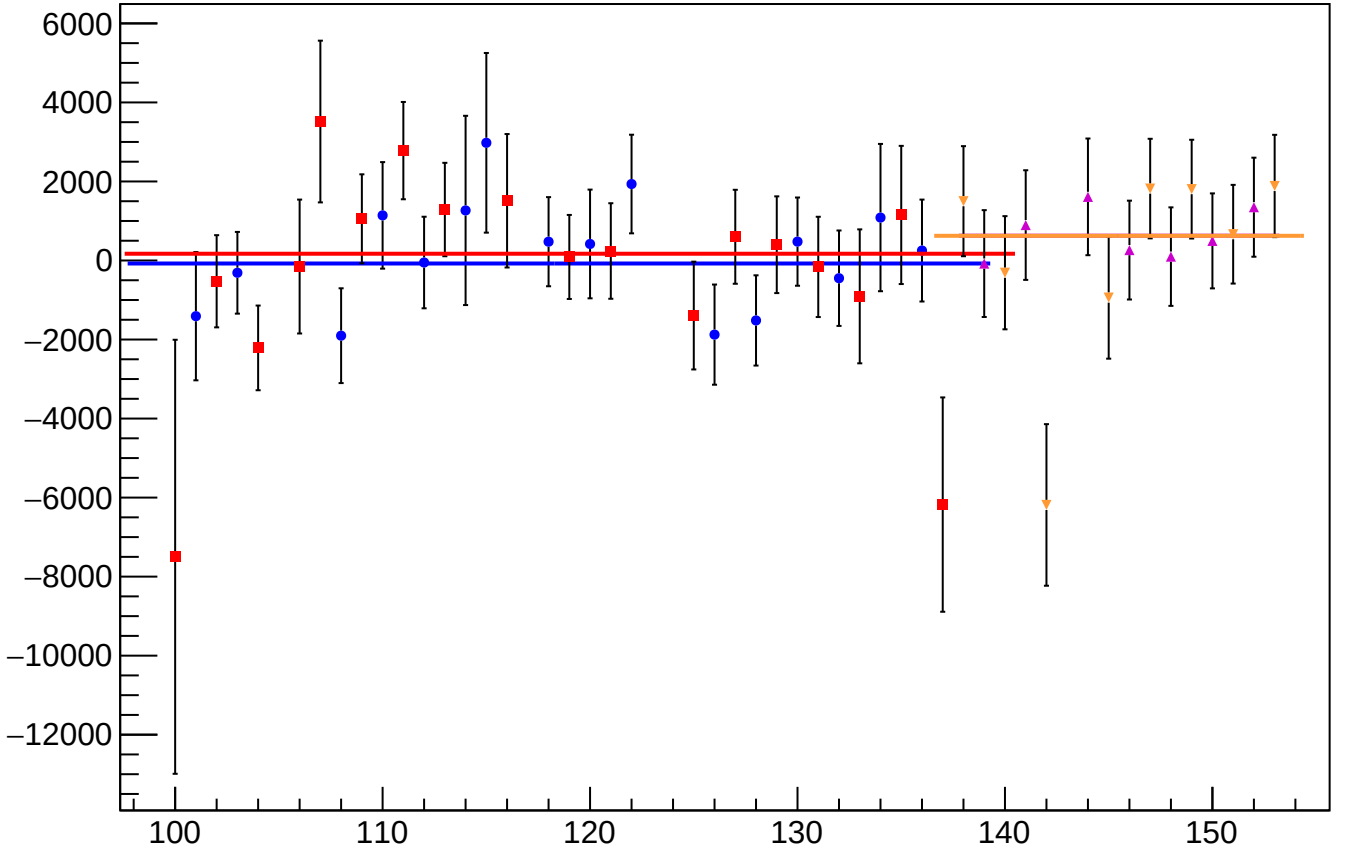
Left In: 3623.964+/-1.046 χ^2/NDF:210024.9/6

+ sign 2885.923+/-0.575 χ^2/NDF: 1503049.4/23

All: 2824.253+/-0.399 χ^2/NDF: 3100319.3/48

- sign 2767.191+/-0.553 χ^2/NDF: 1575144.6/24

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 624.828+/-489.735 χ^2/NDF:15.7/7

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

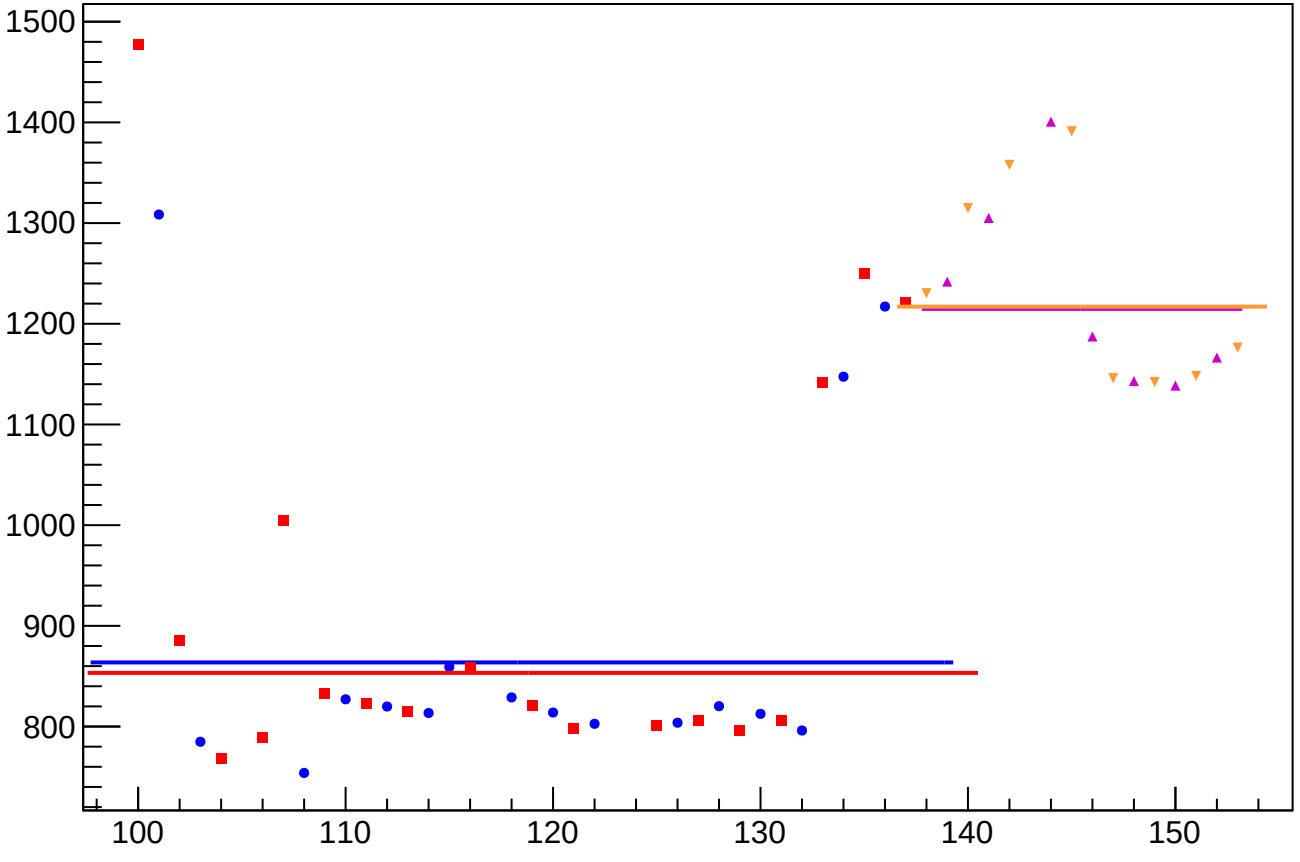
Left In: 627.400+/-491.610 χ^2/NDF:1.4/6

+ sign 139.383+/-271.504 χ^2/NDF: 30.5/23

All: 224.343+/-191.186 χ^2/NDF: 57.0/48

- sign 307.906+/-269.265 χ^2/NDF: 26.3/24

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1217.029+/-0.346 χ^2/NDF:65967.3/7

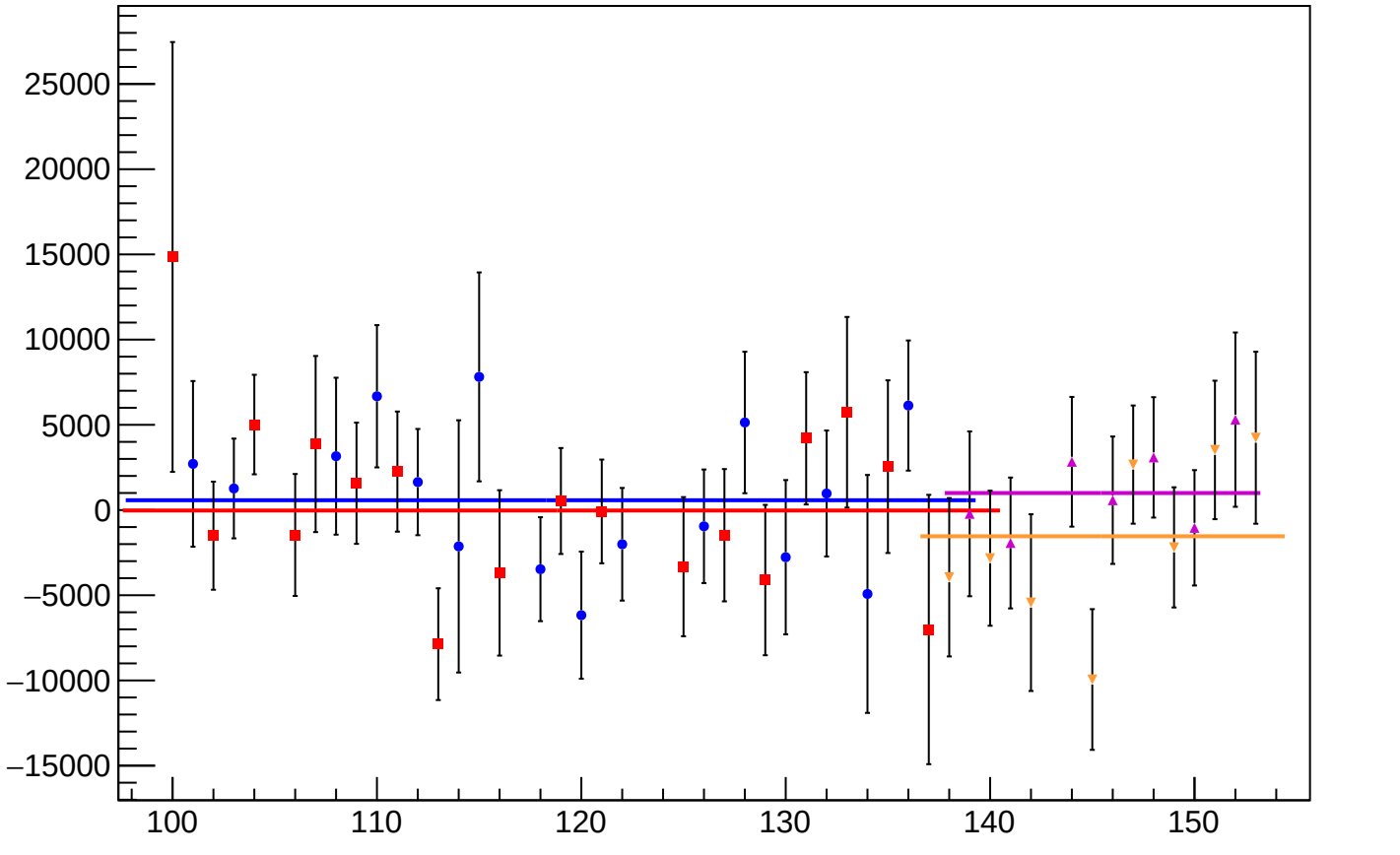
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1214.755+/-0.348 χ^2/NDF:59575.6/6

+ sign 972.268+/-0.192 χ^2/NDF: 1194701.9/23

All: 966.539+/-0.135 χ^2/NDF: 2290614.5/48

- sign 960.944+/-0.190 χ^2/NDF: 1094152.1/24



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -1540.541+/-1459.757 χ^2/NDF:9.5/7

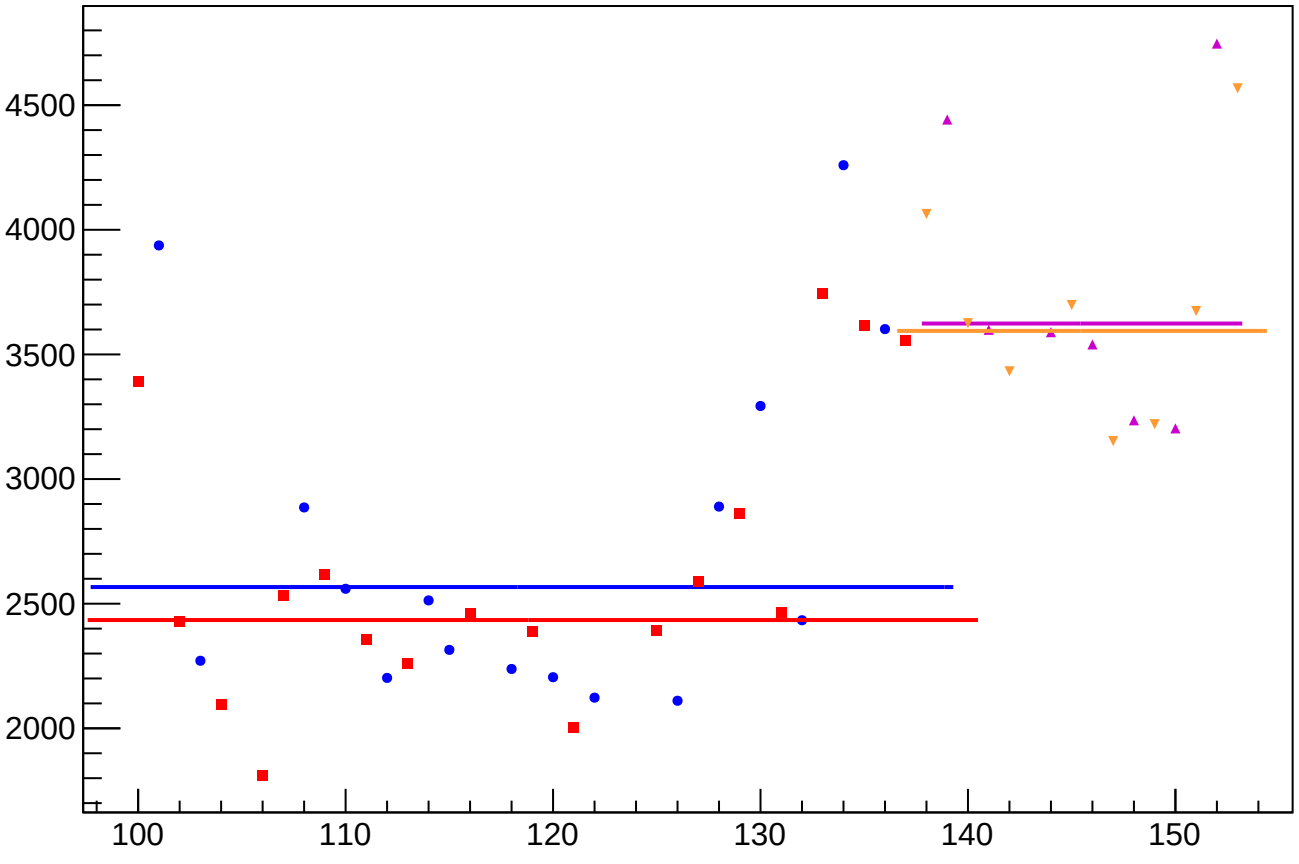
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 996.670+/-1479.626 χ^2/NDF:2.3/6

+ sign -82.147+/-813.566 χ^2/NDF: 25.6/23

All: 94.635+/-564.004 χ^2/NDF: 45.6/48

- sign 258.207+/-782.581 χ^2/NDF: 19.9/24



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3594.338+/-1.032 χ^2/NDF:153922.6/7

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

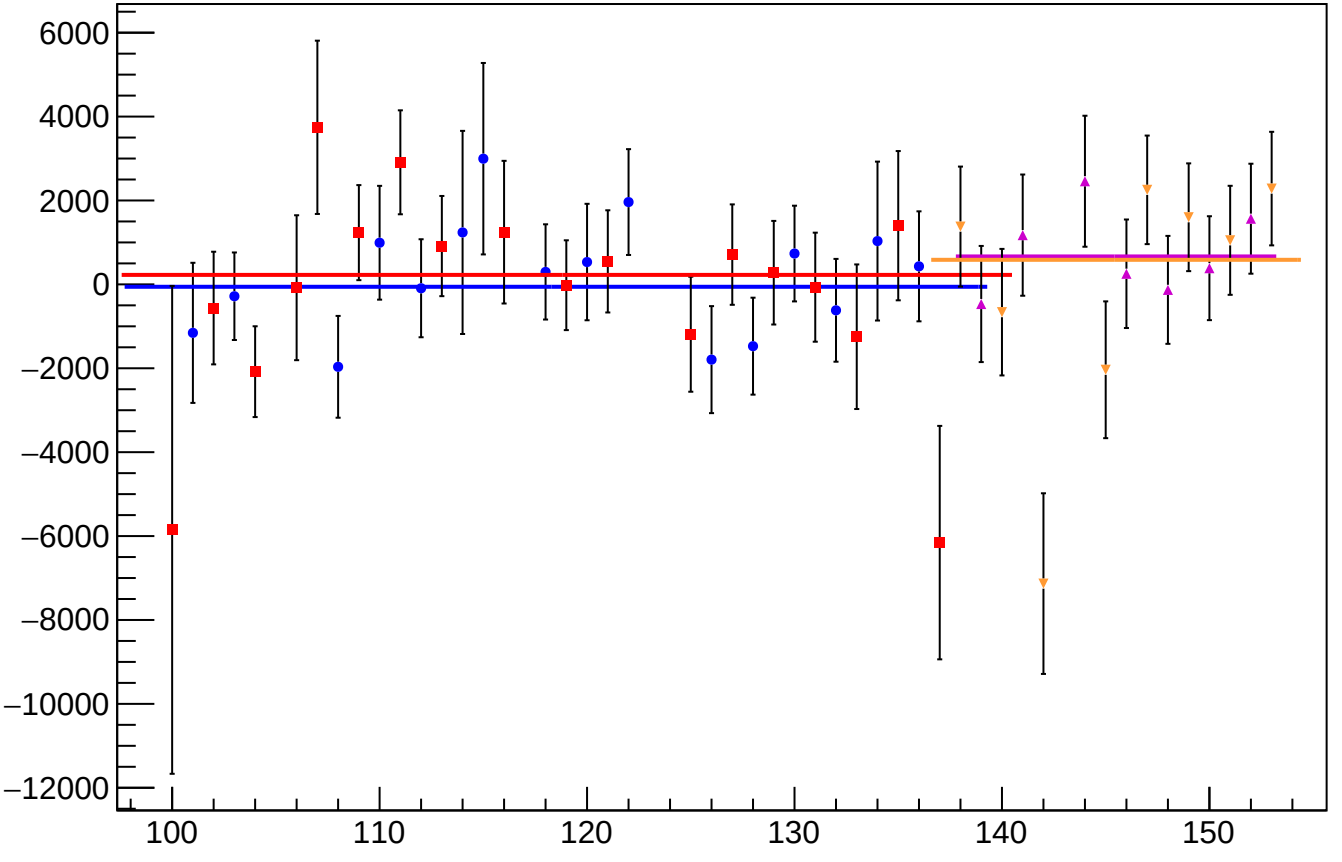
Left In: 3623.964+/-1.046 χ^2/NDF:210024.9/6

+ sign 2885.923+/-0.575 χ^2/NDF: 1503049.4/23

All: 2824.253+/-0.399 χ^2/NDF: 3100319.3/48

- sign 2767.191+/-0.553 χ^2/NDF: 1575144.6/24

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 585.535+/-508.919 χ^2/NDF:20.4/7

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

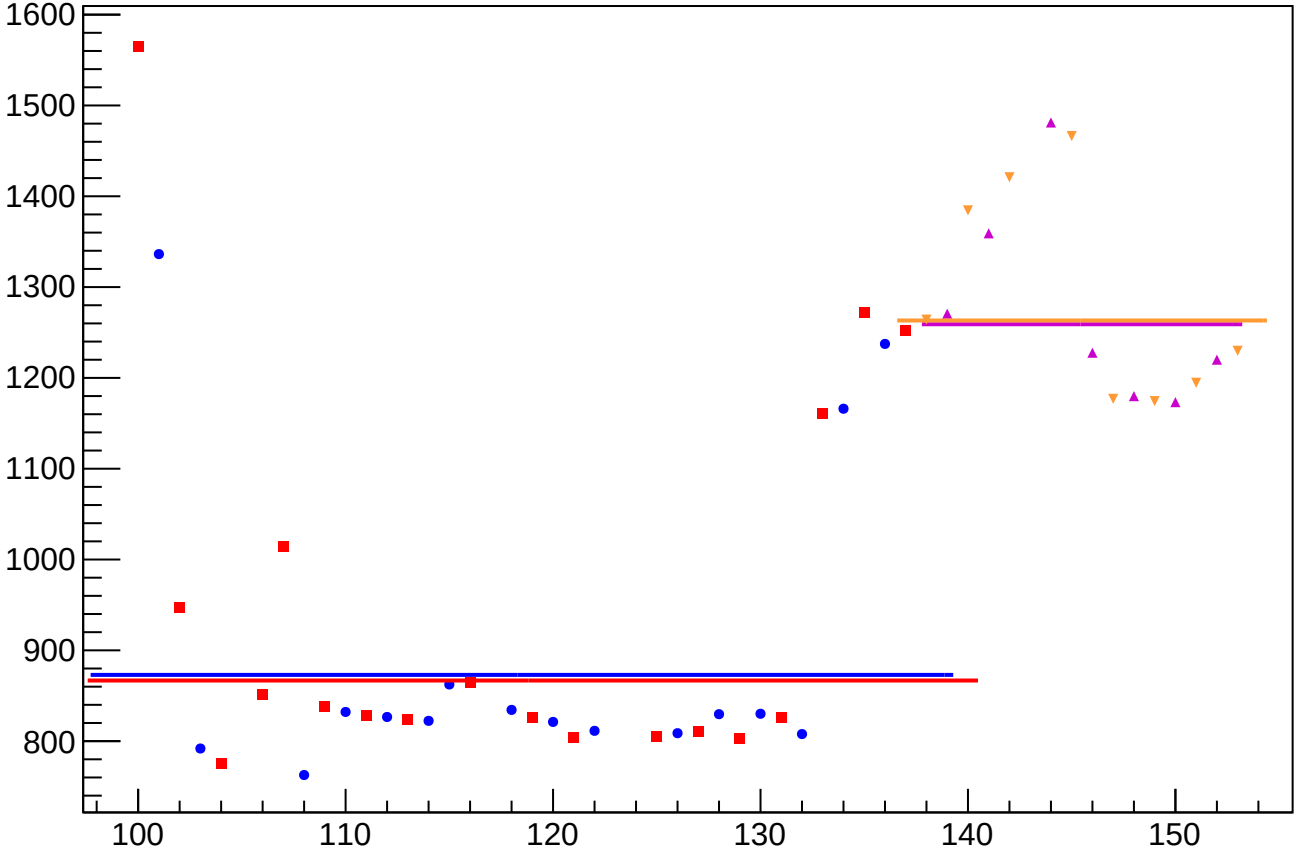
Left In: 666.022+/-509.856 χ^2/NDF:3.1/6

+ sign 133.119+/-276.936 χ^2/NDF: 34.5/23

All: 244.426+/-195.452 χ^2/NDF: 61.4/48

- sign 354.893+/-275.889 χ^2/NDF: 26.6/24

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1263.232+/-0.360 χ^2/NDF:79919.5/7

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

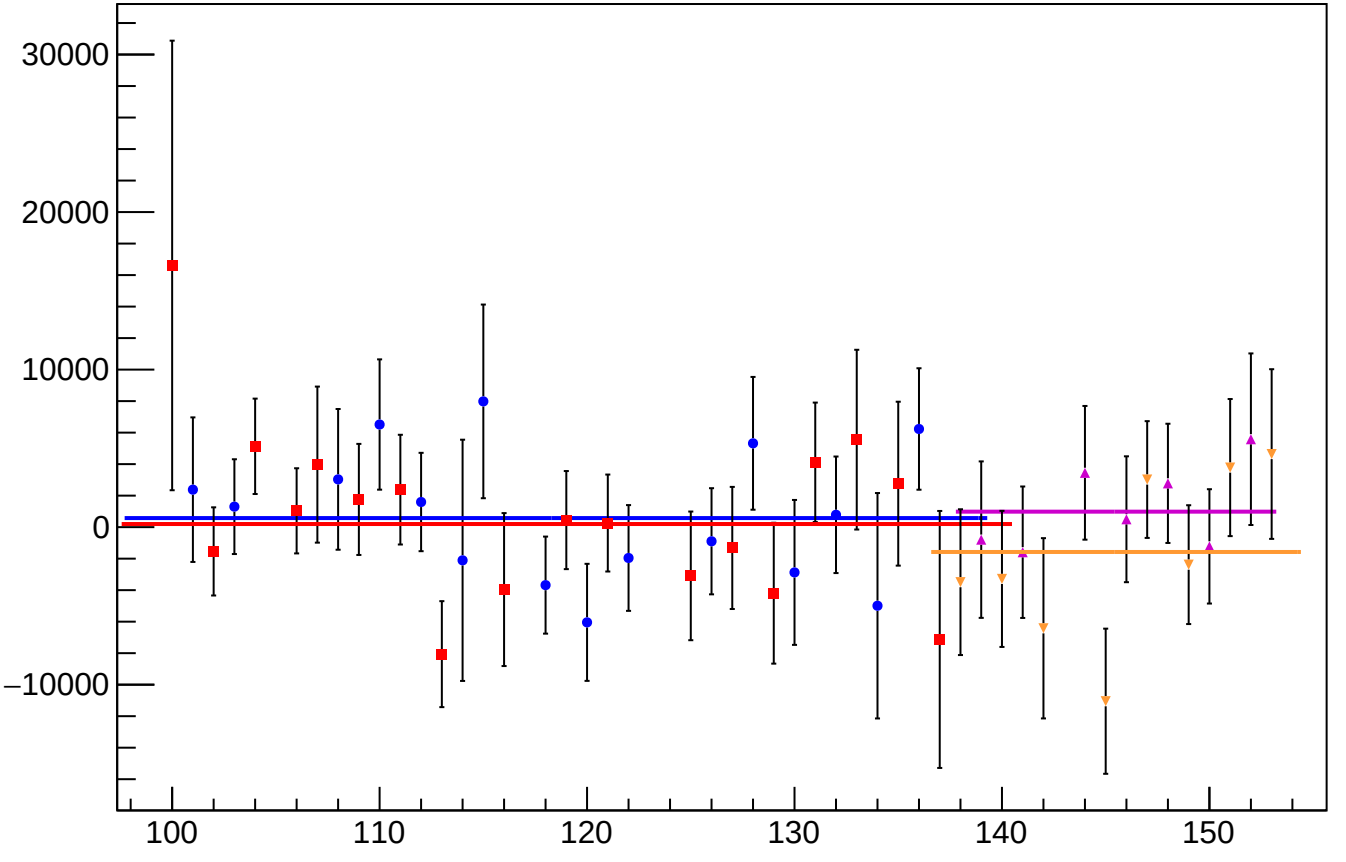
Left In: 1259.078+/-0.361 χ^2/NDF:70359.6/6

+ sign 988.534+/-0.196 χ^2/NDF: 1324849.9/23

All: 984.991+/-0.138 χ^2/NDF: 2524118.5/48

- sign 981.480+/-0.195 χ^2/NDF: 1198616.8/24

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -1576.341+/-1564.803 χ^2/NDF:9.7/7

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

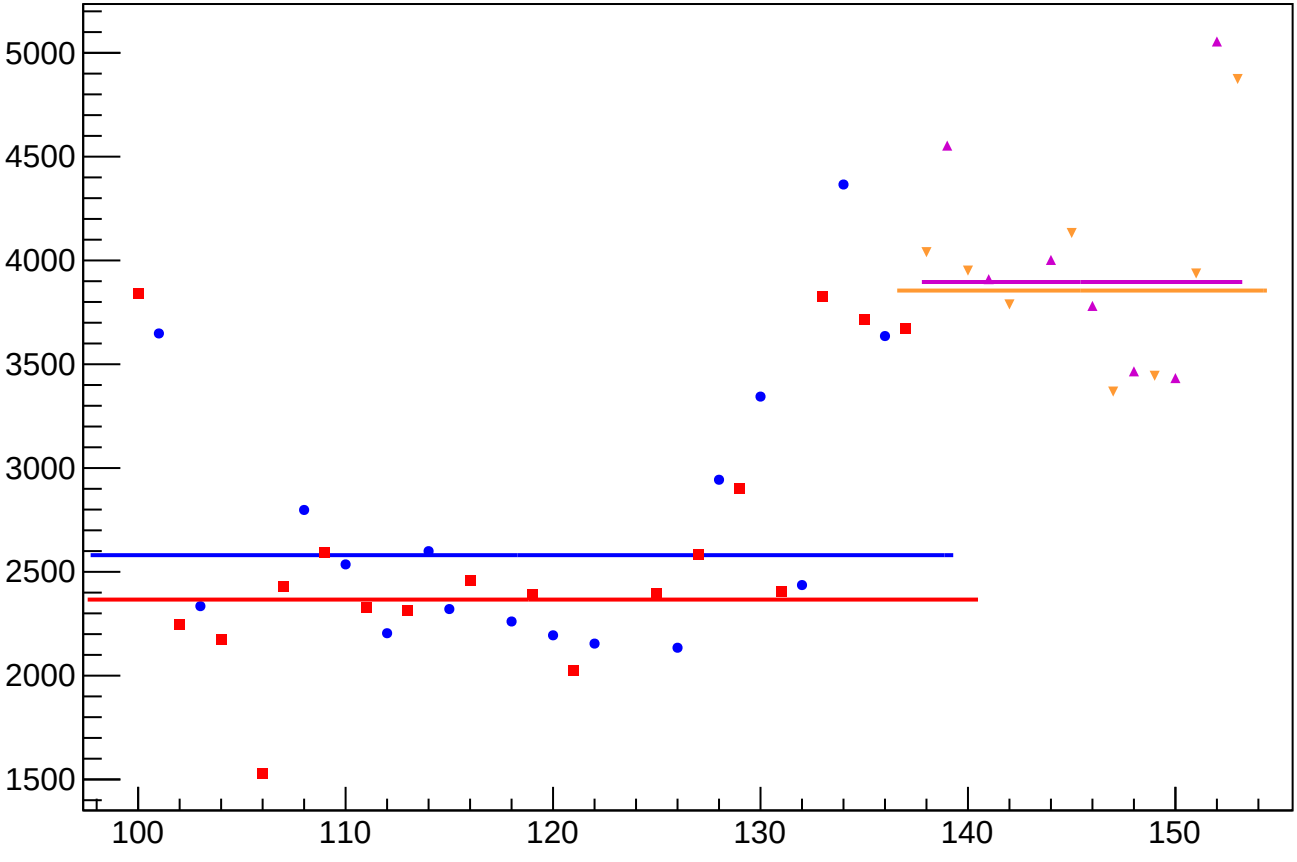
Left In: 982.793+/-1589.755 χ^2/NDF:2.2/6

+ sign -35.232+/-833.531 χ^2/NDF: 25.8/23

All: 189.824+/-569.263 χ^2/NDF: 45.4/48

- sign 386.557+/-779.318 χ^2/NDF: 19.5/24

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3854.983+/-1.106 χ^2/NDF:142203.4/7

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

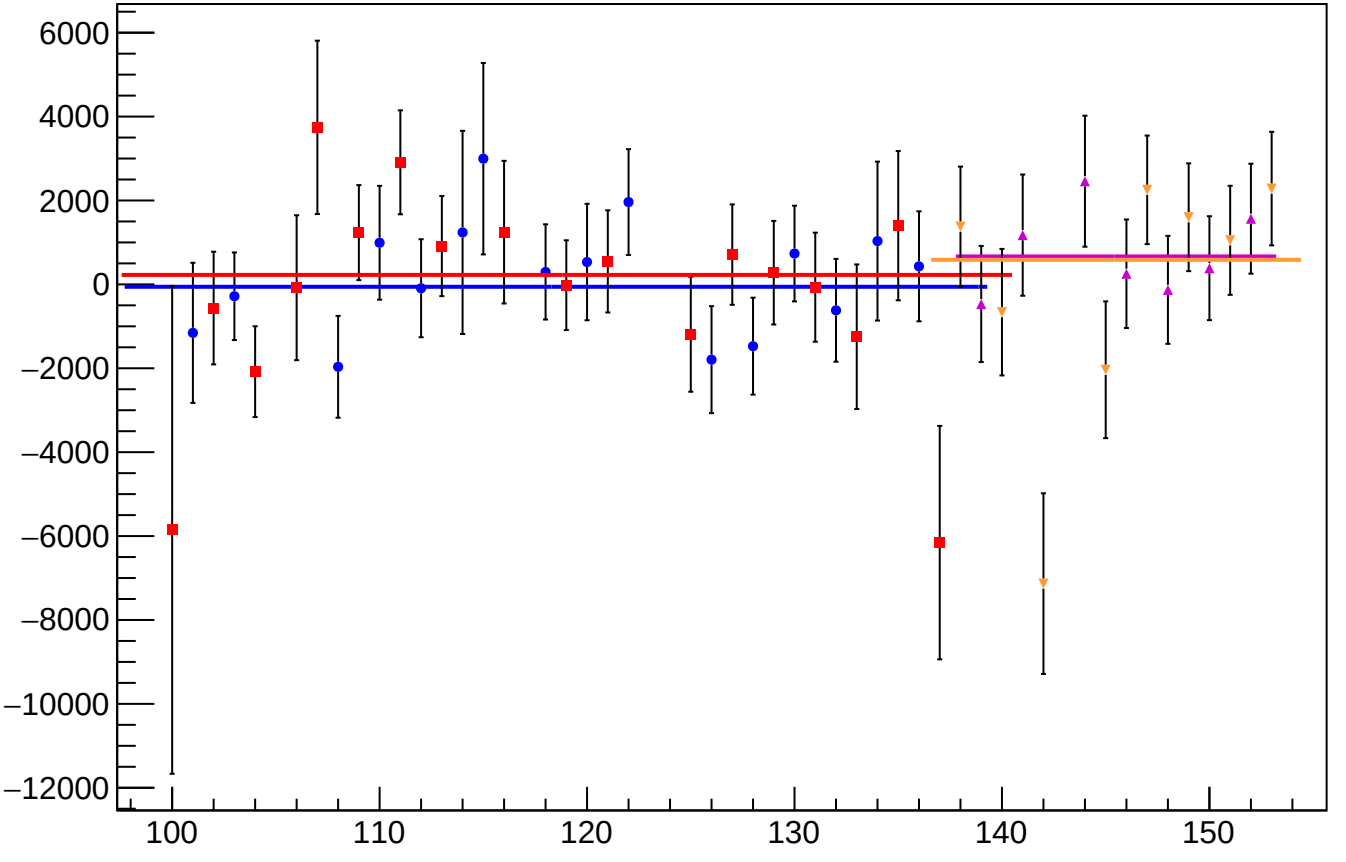
Left In: 3896.196+/-1.124 χ^2/NDF:186878.1/6

+ sign 2942.036+/-0.589 χ^2/NDF: 1709816.3/23

All: 2831.051+/-0.403 χ^2/NDF: 3981755.7/48

- sign 2734.033+/-0.551 χ^2/NDF: 2205484.8/24

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 585.530+/-508.919 χ^2/NDF:20.4/7

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

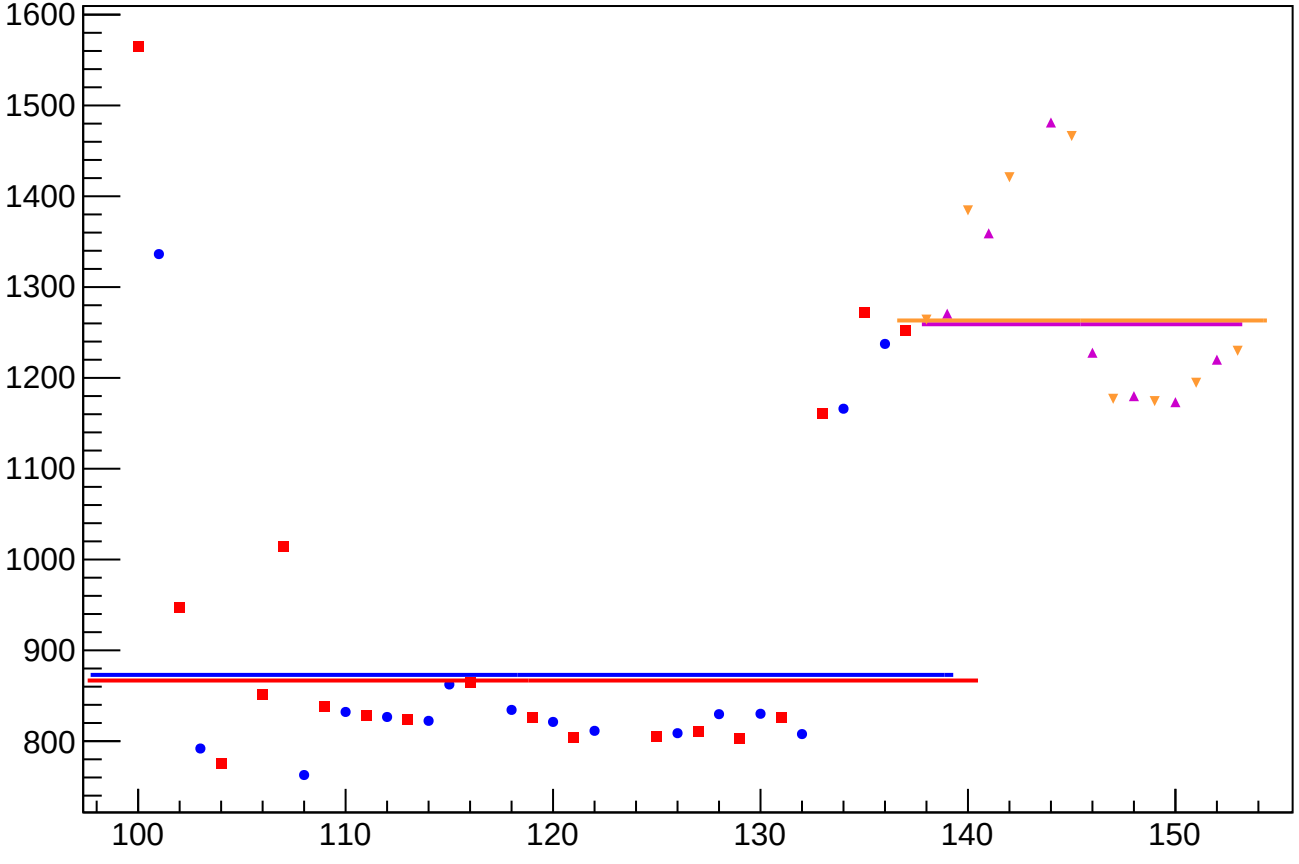
Left In: 666.023+/-509.856 χ^2/NDF:3.1/6

+ sign 133.115+/-276.936 χ^2/NDF: 34.5/23

All: 244.425+/-195.452 χ^2/NDF: 61.4/48

- sign 354.895+/-275.889 χ^2/NDF: 26.6/24

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1263.233+/-0.360 χ^2/NDF:79920.8/7

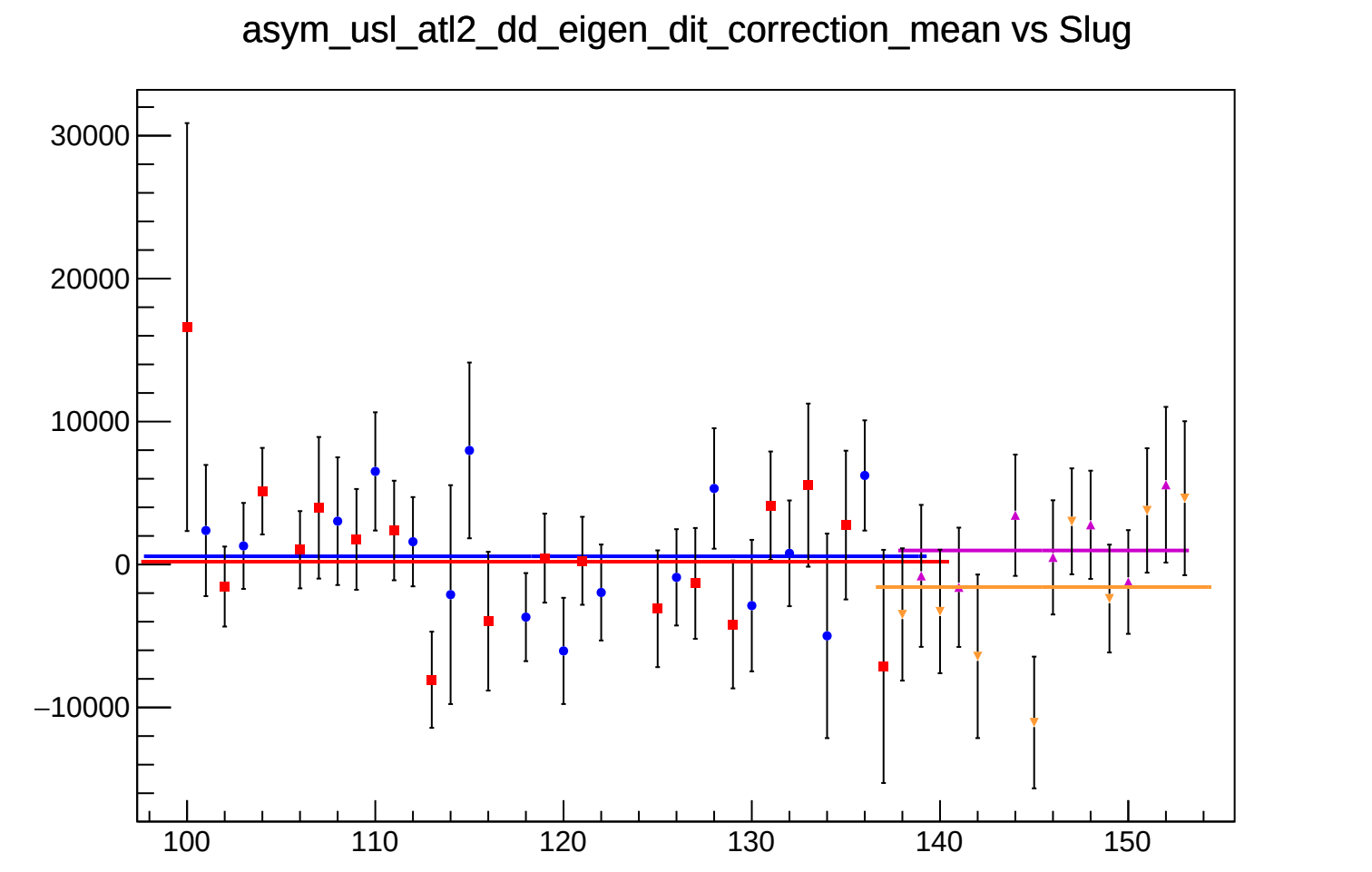
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1259.079+/-0.361 χ^2/NDF:70360.4/6

+ sign 988.534+/-0.196 χ^2/NDF: 1324853.6/23

All: 984.991+/-0.138 χ^2/NDF: 2524126.1/48

- sign 981.480+/-0.195 χ^2/NDF: 1198620.8/24



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -1576.342+/-1564.805 χ^2/NDF:9.7/7

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

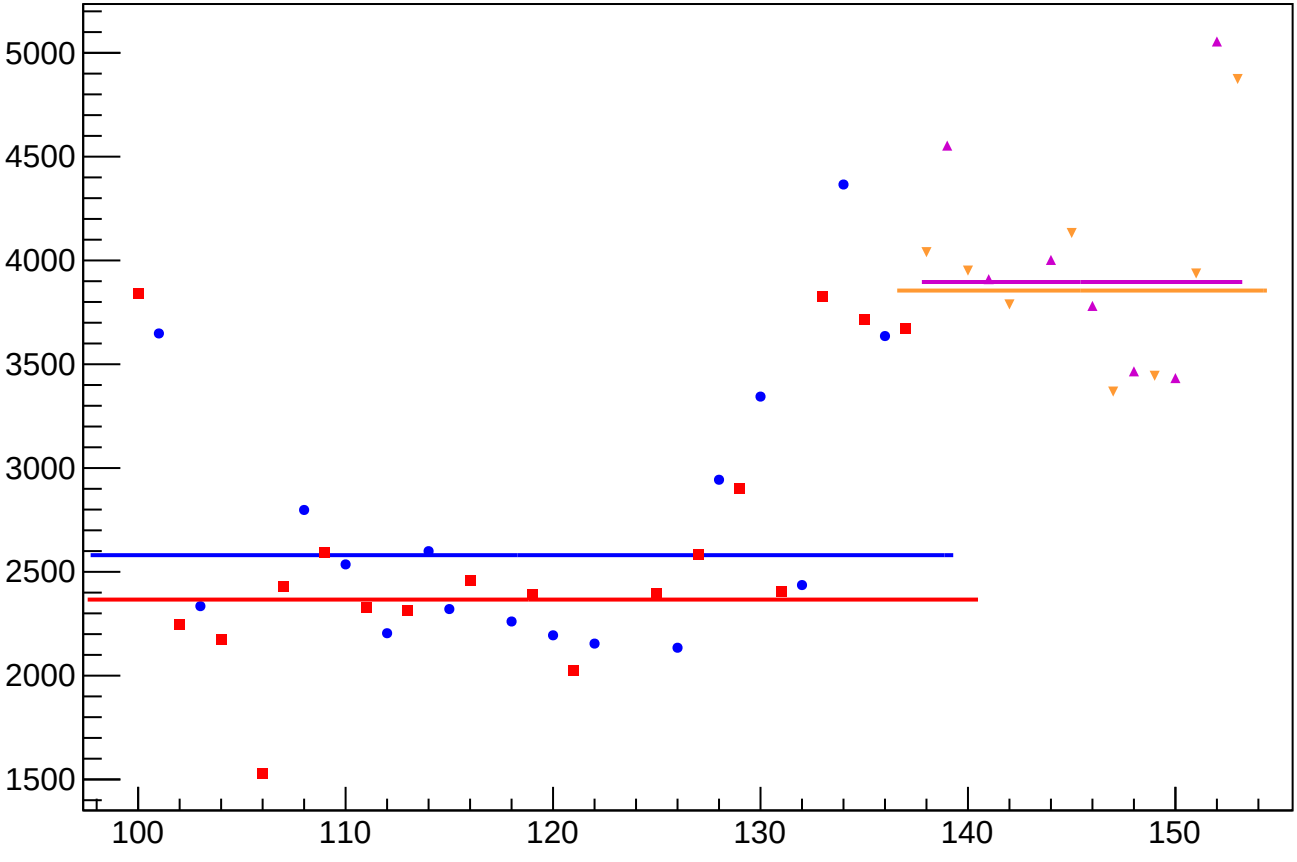
Left In: 982.793+/-1589.757 χ^2/NDF:2.2/6

\+ sign -35.232+/-833.529 χ^2/NDF: 25.8/23

All: 189.824+/-569.262 χ^2/NDF: 45.4/48

\- sign 386.557+/-779.317 χ^2/NDF: 19.5/24

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3854.988+/-1.106 χ^2/NDF:142205.6/7

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

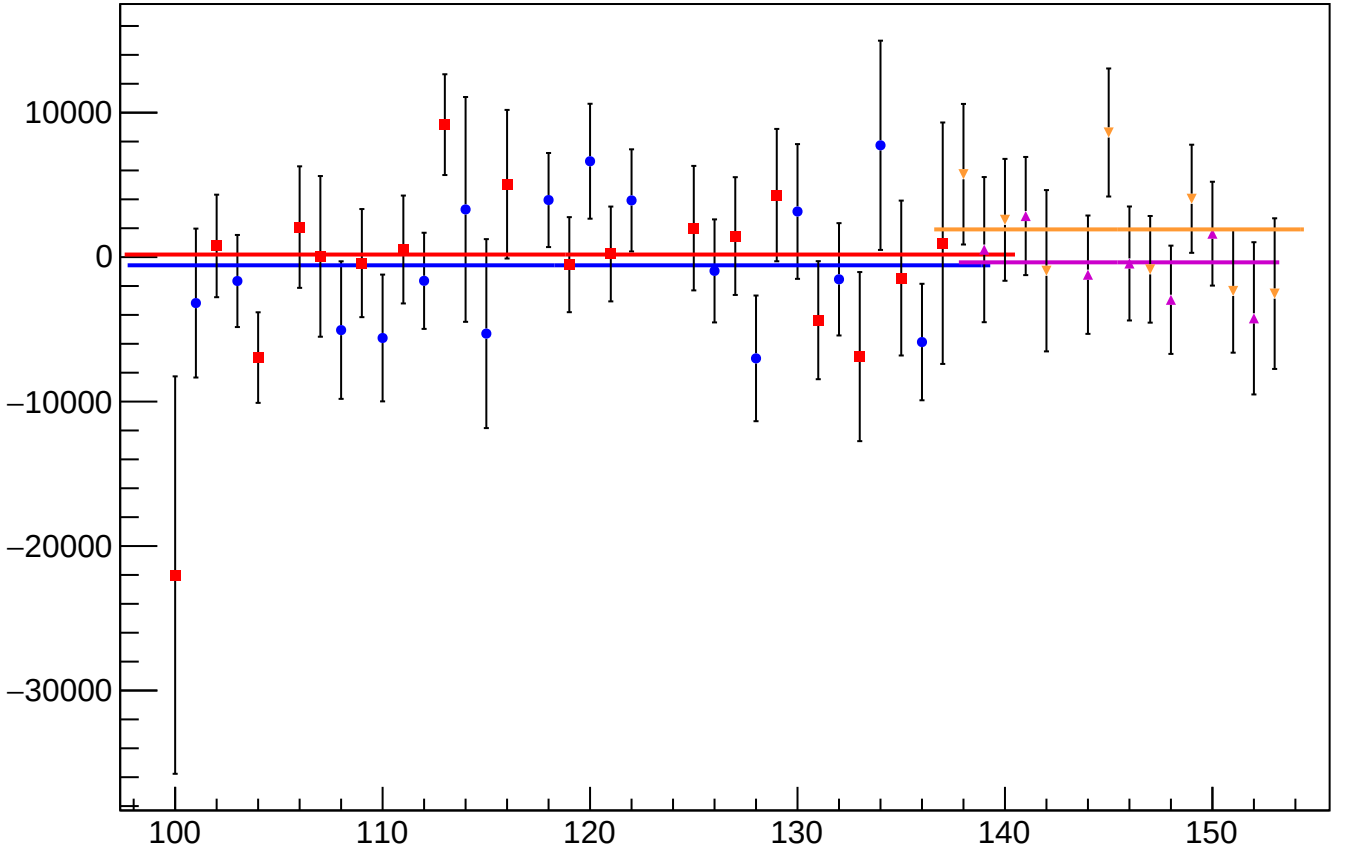
Left In: 3896.200+/-1.124 χ^2/NDF:186881.0/6

+ sign 2942.030+/-0.589 χ^2/NDF: 1709845.5/23

All: 2831.044+/-0.403 χ^2/NDF: 3981811.2/48

- sign 2734.026+/-0.551 χ^2/NDF: 2205511.2/24

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 1918.742+/-1547.125 χ^2/NDF:5.8/7

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

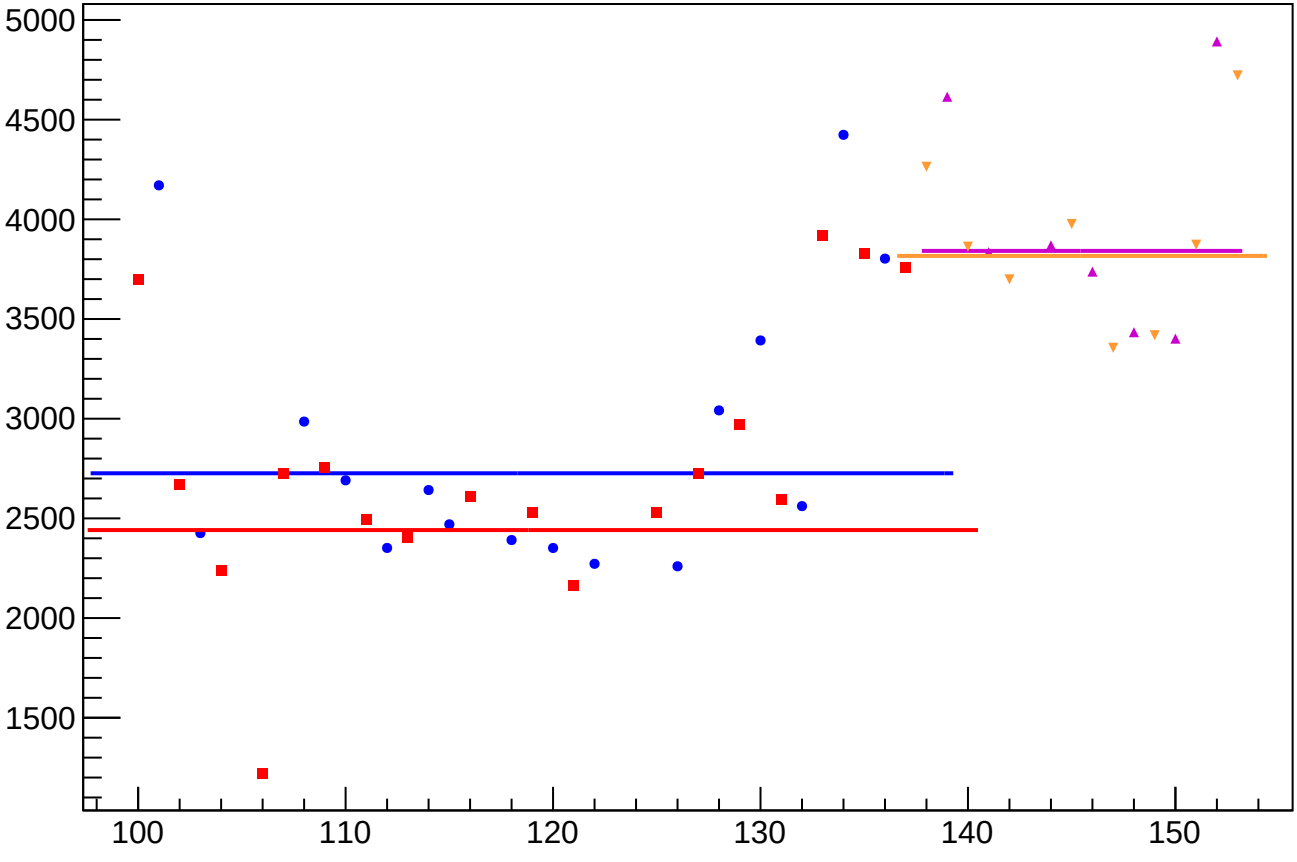
Left In: -361.347+/-1565.803 χ^2/NDF:2.0/6

+ sign 207.592+/-863.295 χ^2/NDF: 23.8/23

All: 113.210+/-600.486 χ^2/NDF: 45.4/48

- sign 24.744+/-835.804 χ^2/NDF: 21.6/24

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3816.540+/-1.094 χ^2/NDF:135077.6/7

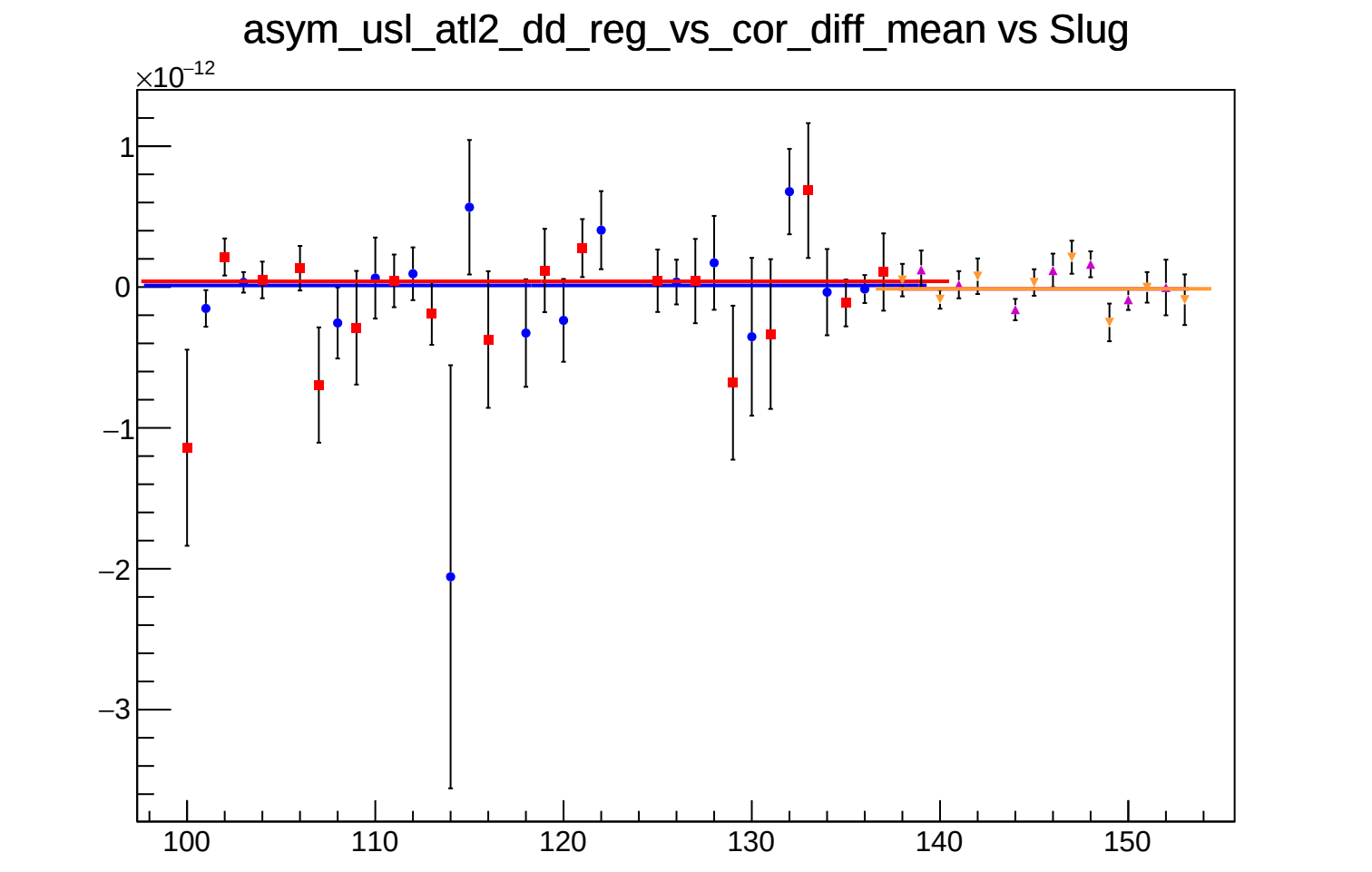
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3841.705+/-1.107 χ^2/NDF:182081.5/6

+ sign 3065.713+/-0.610 χ^2/NDF: 1442176.9/23

All: 2931.633+/-0.417 χ^2/NDF: 3779637.5/48

- sign 2814.197+/-0.571 χ^2/NDF: 2246962.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/7

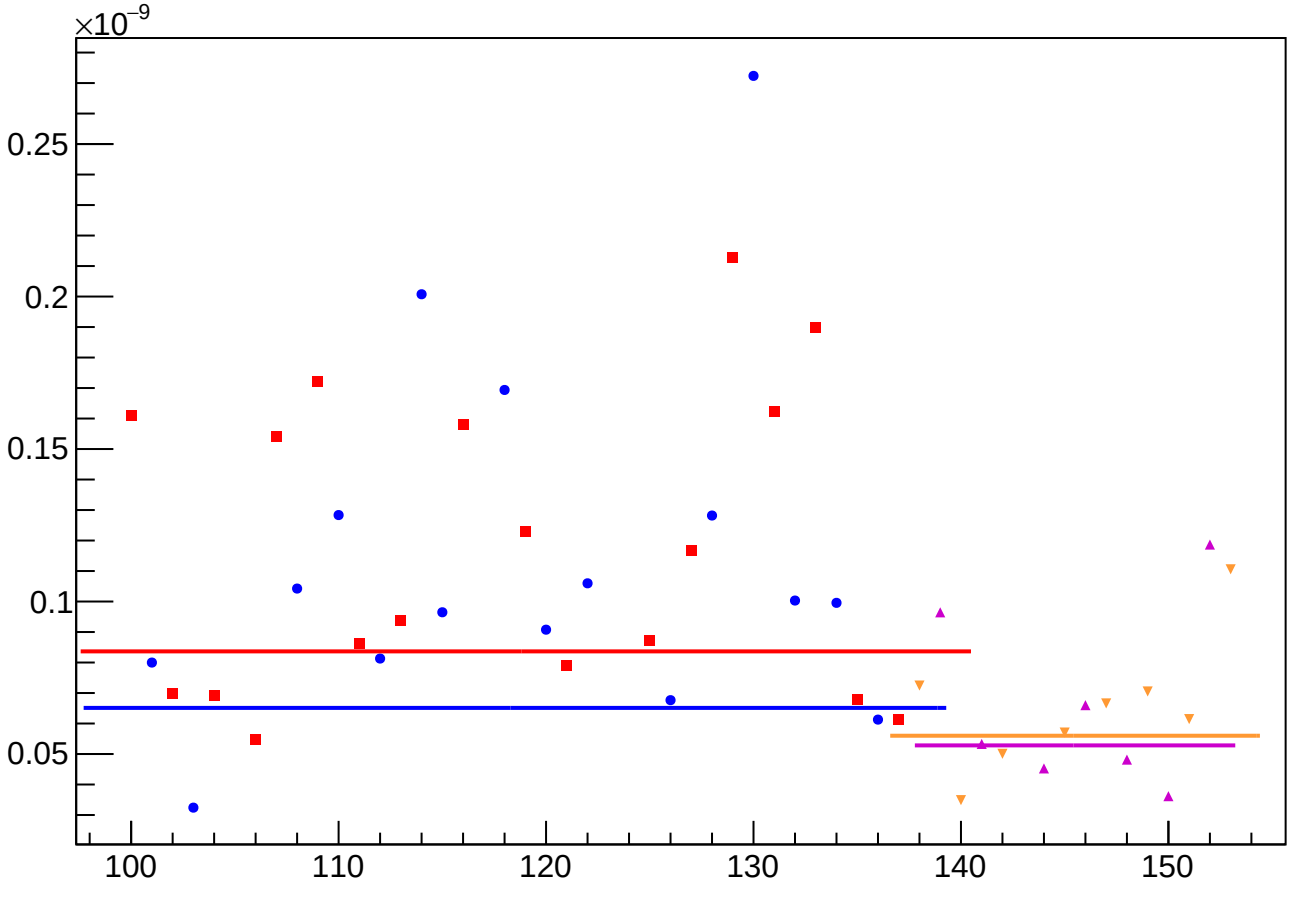
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:10.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 24.8/23

All: 0.000+/-0.000 χ^2/NDF: 53.2/48

- sign 0.000+/-0.000 χ^2/NDF: 28.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:474094.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

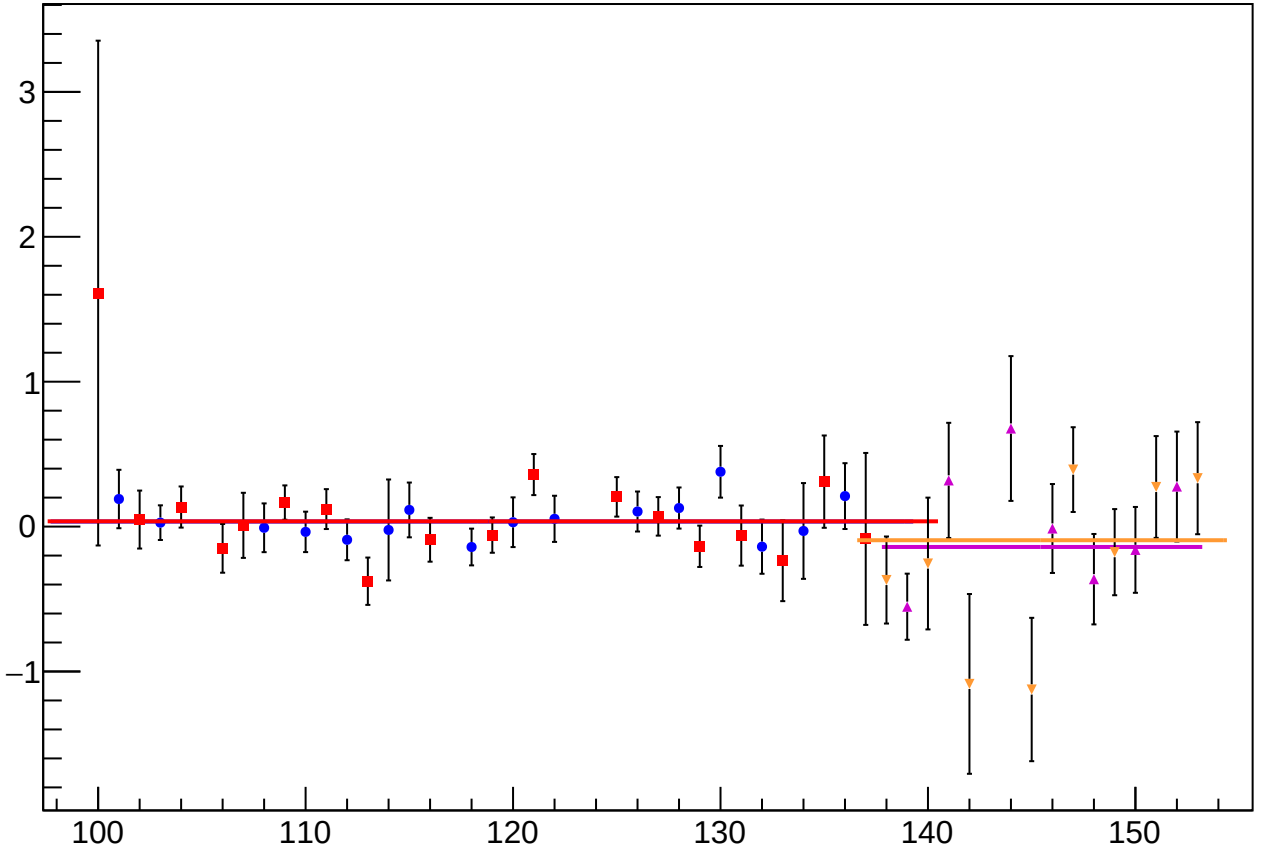
Left In: 0.000+/-0.000 χ^2/NDF:577171.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 1746712.8/23

All: 0.000+/-0.000 χ^2/NDF: 3477732.6/48

- sign 0.000+/-0.000 χ^2/NDF: 1720637.9/24

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.094+/-0.129 χ^2/NDF:13.0/7

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

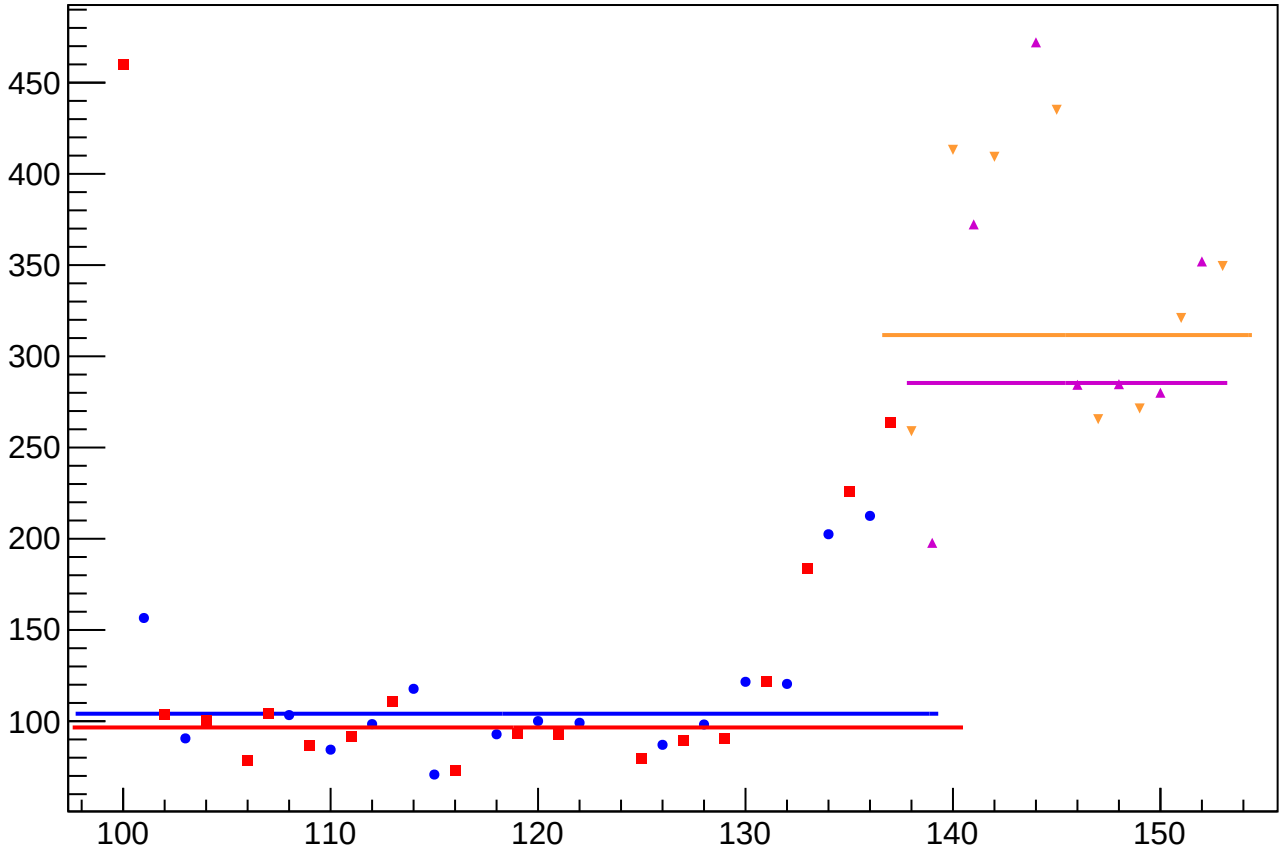
Left In: -0.141+/-0.121 χ^2/NDF:9.2/6

+ sign 0.023+/-0.039 χ^2/NDF: 23.7/23

All: 0.021+/-0.027 χ^2/NDF: 56.9/48

- sign 0.020+/-0.037 χ^2/NDF: 33.2/24

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 311.646+/-0.091 χ^2/NDF:442369.9/7

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

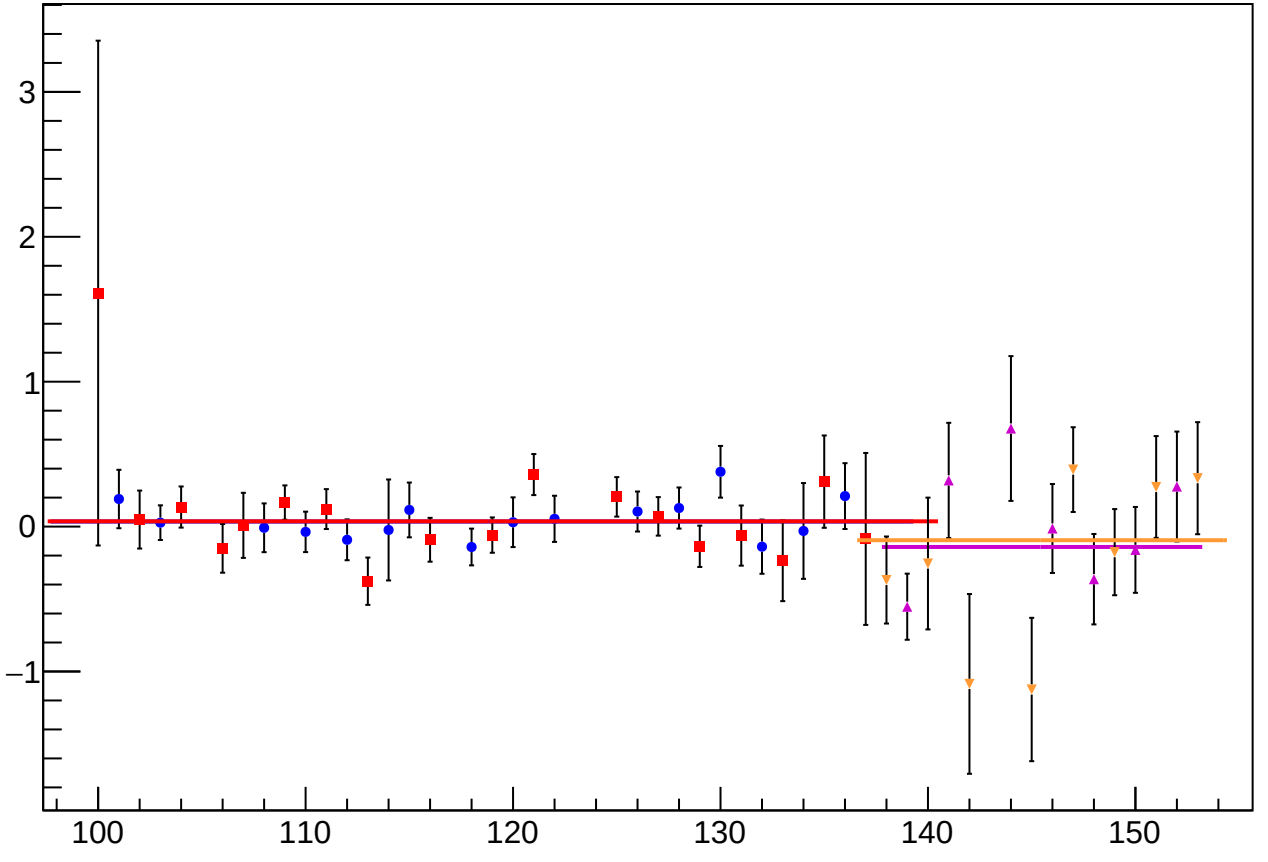
Left In: 285.388+/-0.085 χ^2/NDF:732412.5/6

+ sign 123.256+/-0.028 χ^2/NDF: 6155504.2/23

All: 118.571+/-0.019 χ^2/NDF: 12340491.2/48

- sign 114.370+/-0.026 χ^2/NDF: 6130515.8/24

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.094+/-0.129 χ^2/NDF:13.0/7

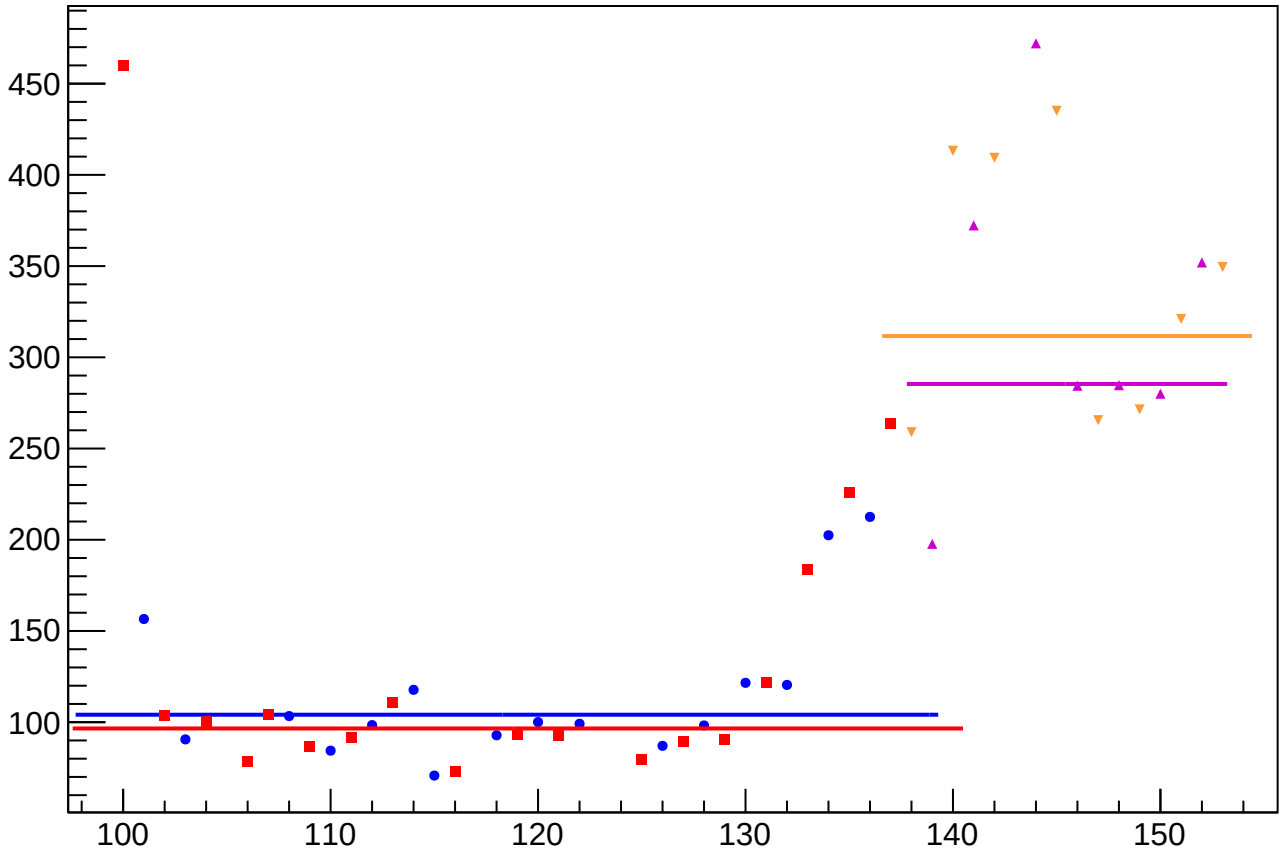
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.141+/-0.121 χ^2/NDF:9.2/6

+ sign 0.023+/-0.039 χ^2/NDF: 23.7/23

All: 0.021+/-0.027 χ^2/NDF: 56.9/48

- sign 0.020+/-0.037 χ^2/NDF: 33.2/24



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 311.646+/-0.091 χ^2/NDF:442369.9/7

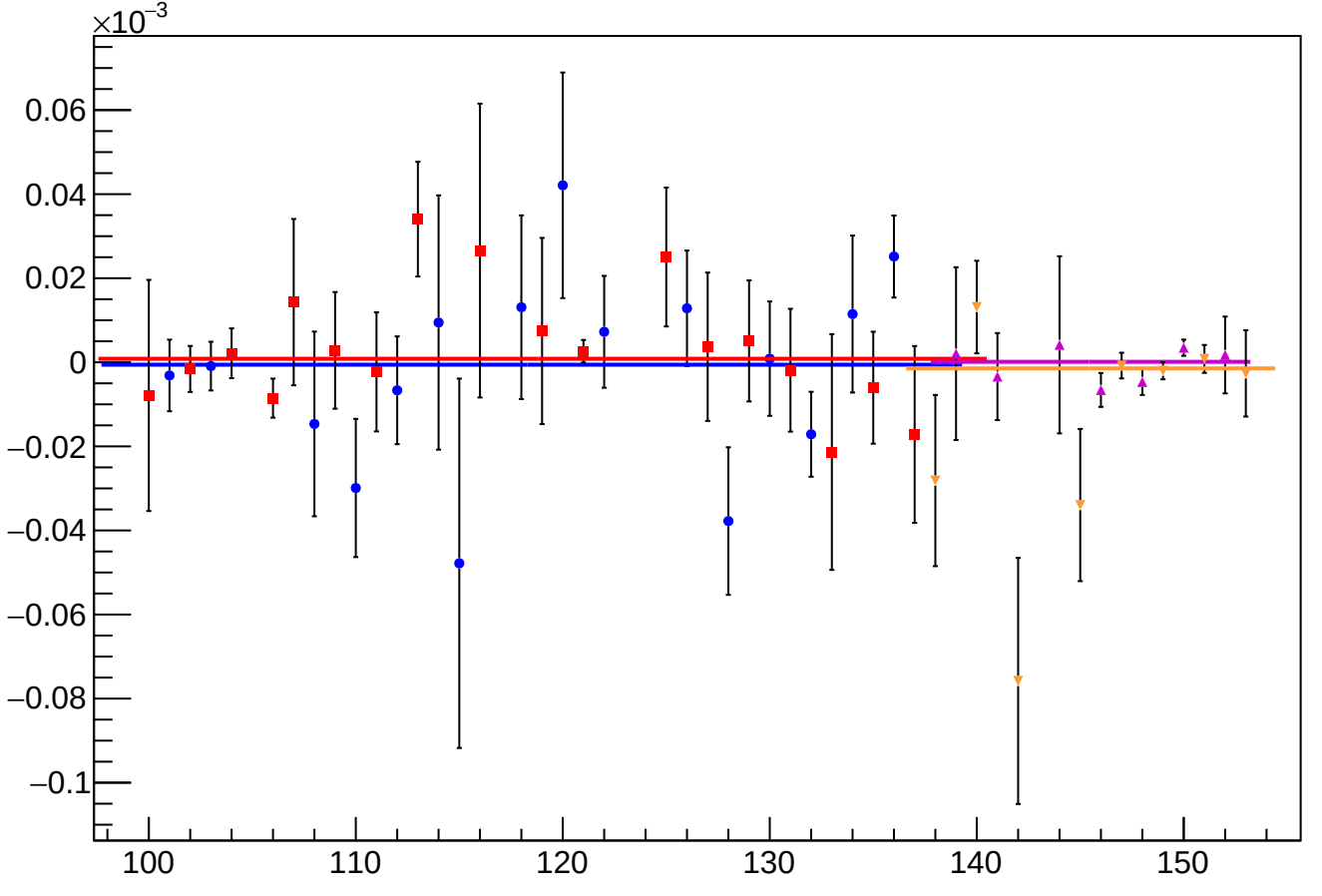
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 285.388+/-0.085 χ^2/NDF:732412.5/6

+ sign 123.256+/-0.028 χ^2/NDF: 6155504.2/23

All: 118.571+/-0.019 χ^2/NDF: 12340491.2/48

- sign 114.370+/-0.026 χ^2/NDF: 6130515.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/7

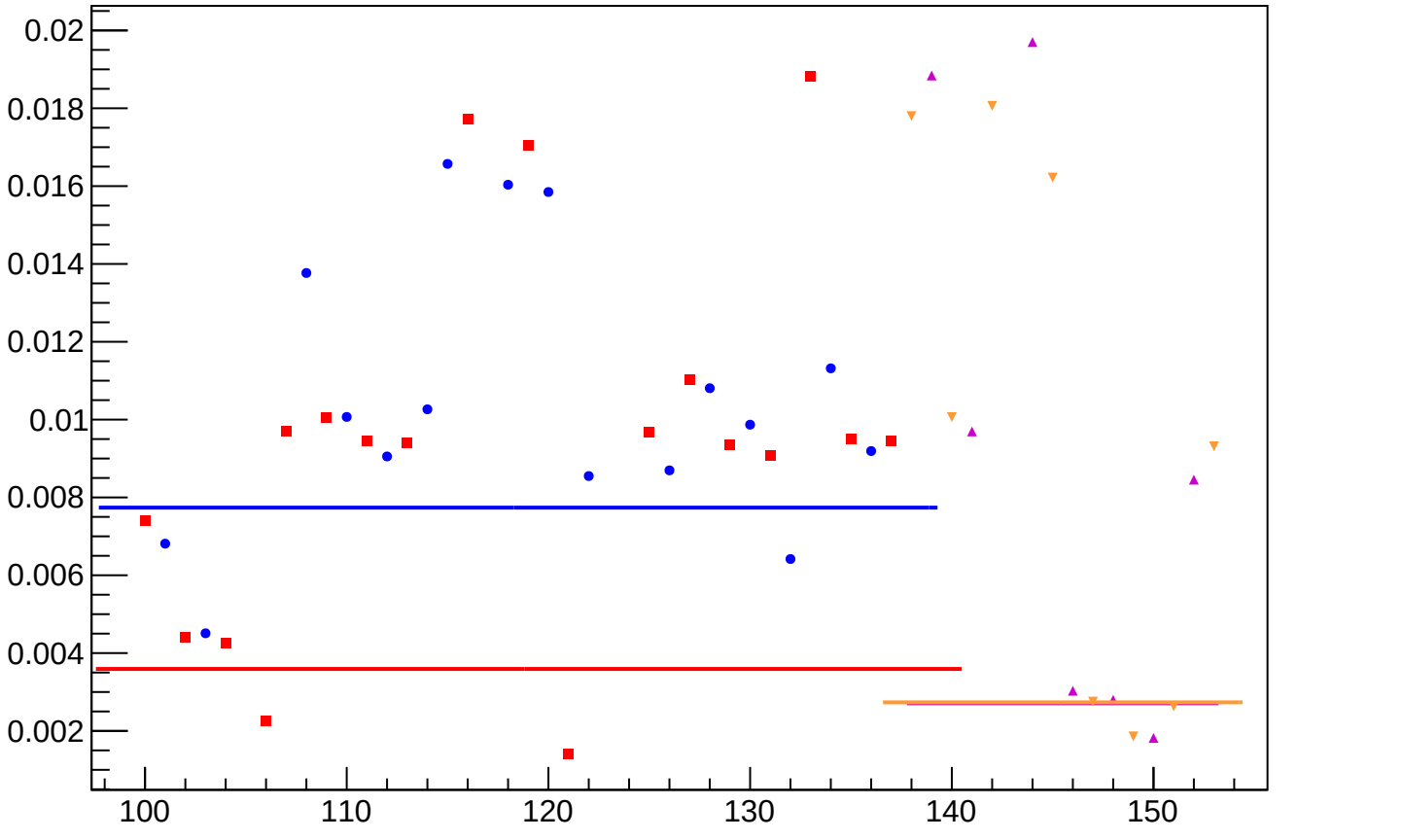
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:8.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 37.8/23

All: -0.000+/-0.000 χ^2/NDF: 63.0/48

- sign 0.000+/-0.000 χ^2/NDF: 24.3/24



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:4831888.6/7

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

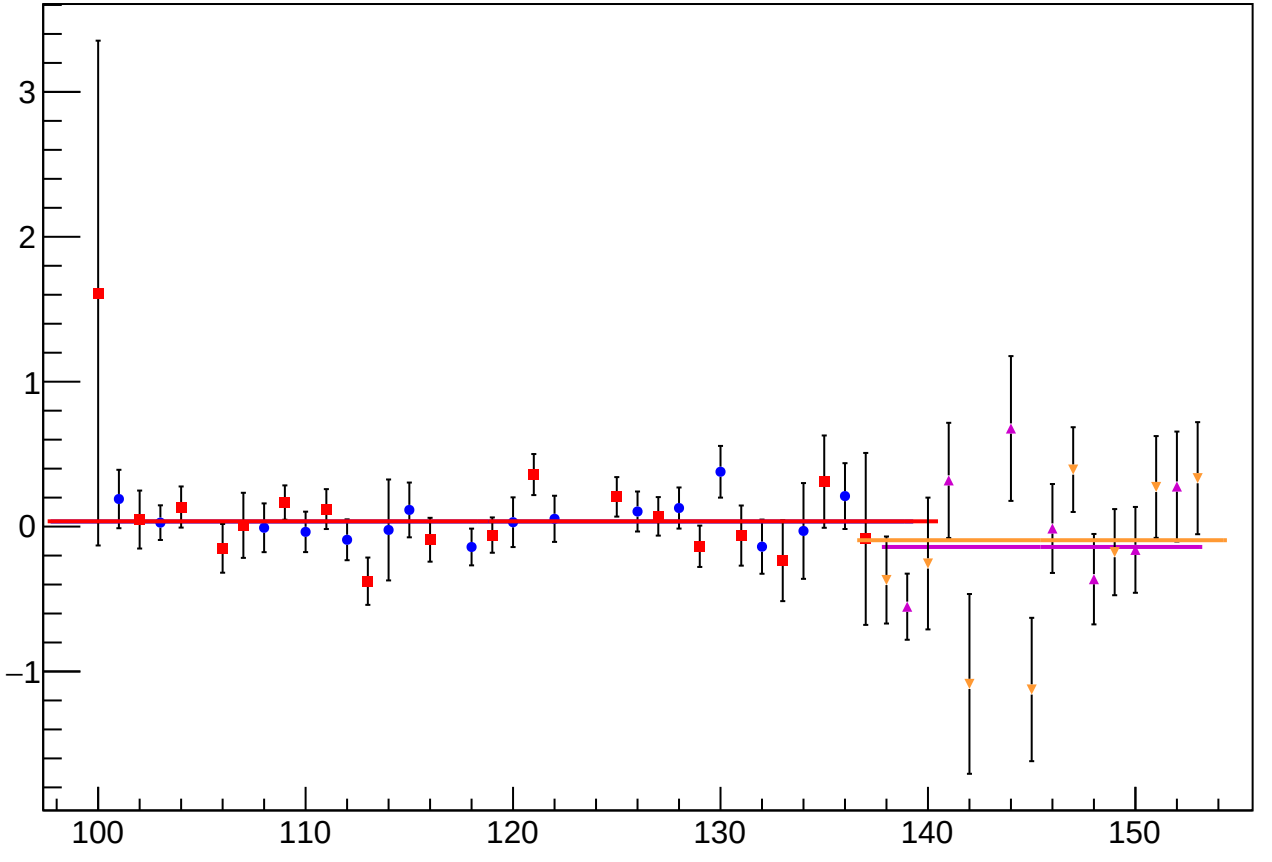
Left In: 0.003+/-0.000 χ^2/NDF:4682334.7/6

+ sign 0.004+/-0.000 χ^2/NDF: 10762772.8/23

All: 0.003+/-0.000 χ^2/NDF: 22318600.4/48

- sign 0.003+/-0.000 χ^2/NDF: 11328052.9/24

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.094+/-0.129 χ^2/NDF:13.0/7

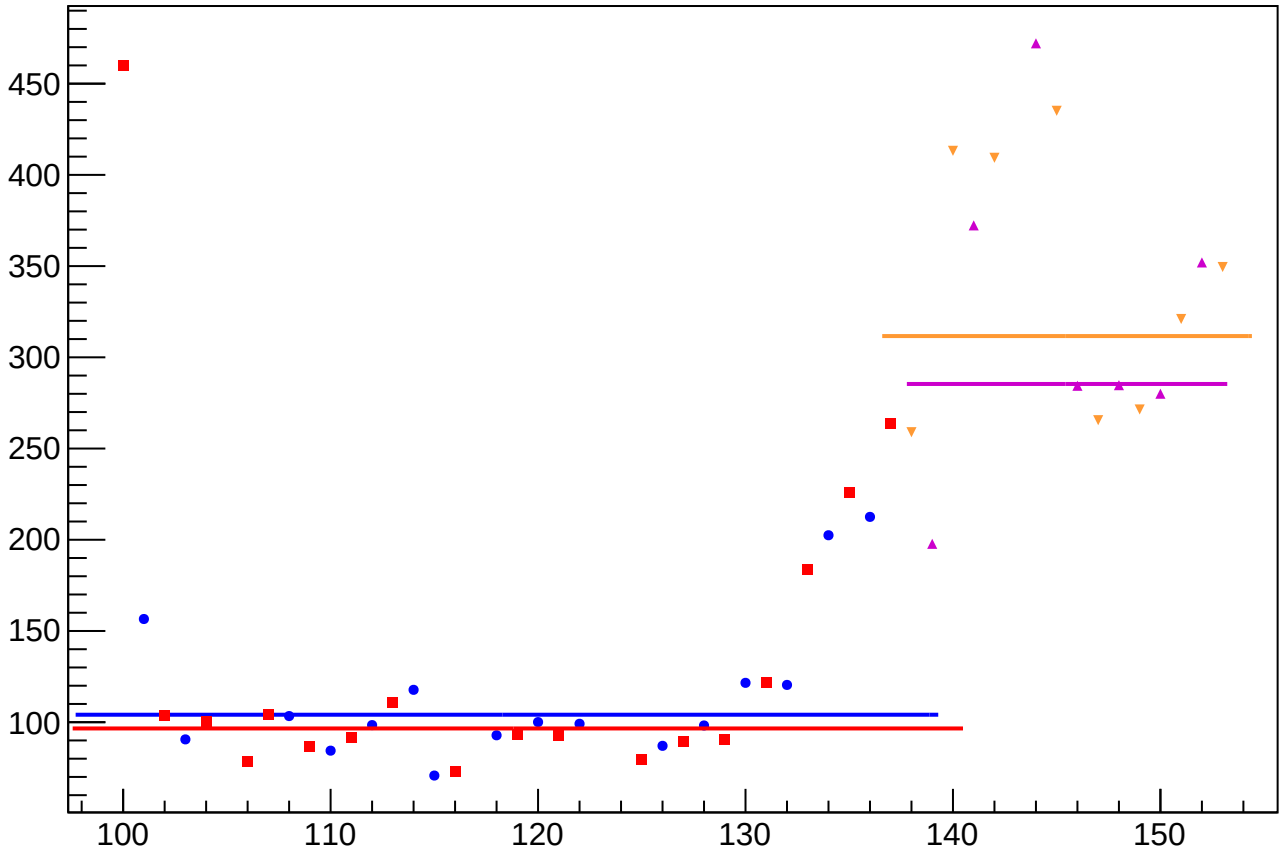
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.141+/-0.121 χ^2/NDF:9.2/6

+ sign 0.023+/-0.039 χ^2/NDF: 23.7/23

All: 0.021+/-0.027 χ^2/NDF: 56.9/48

- sign 0.020+/-0.037 χ^2/NDF: 33.2/24



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 311.648+/-0.091 χ^2/NDF:442404.4/7

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

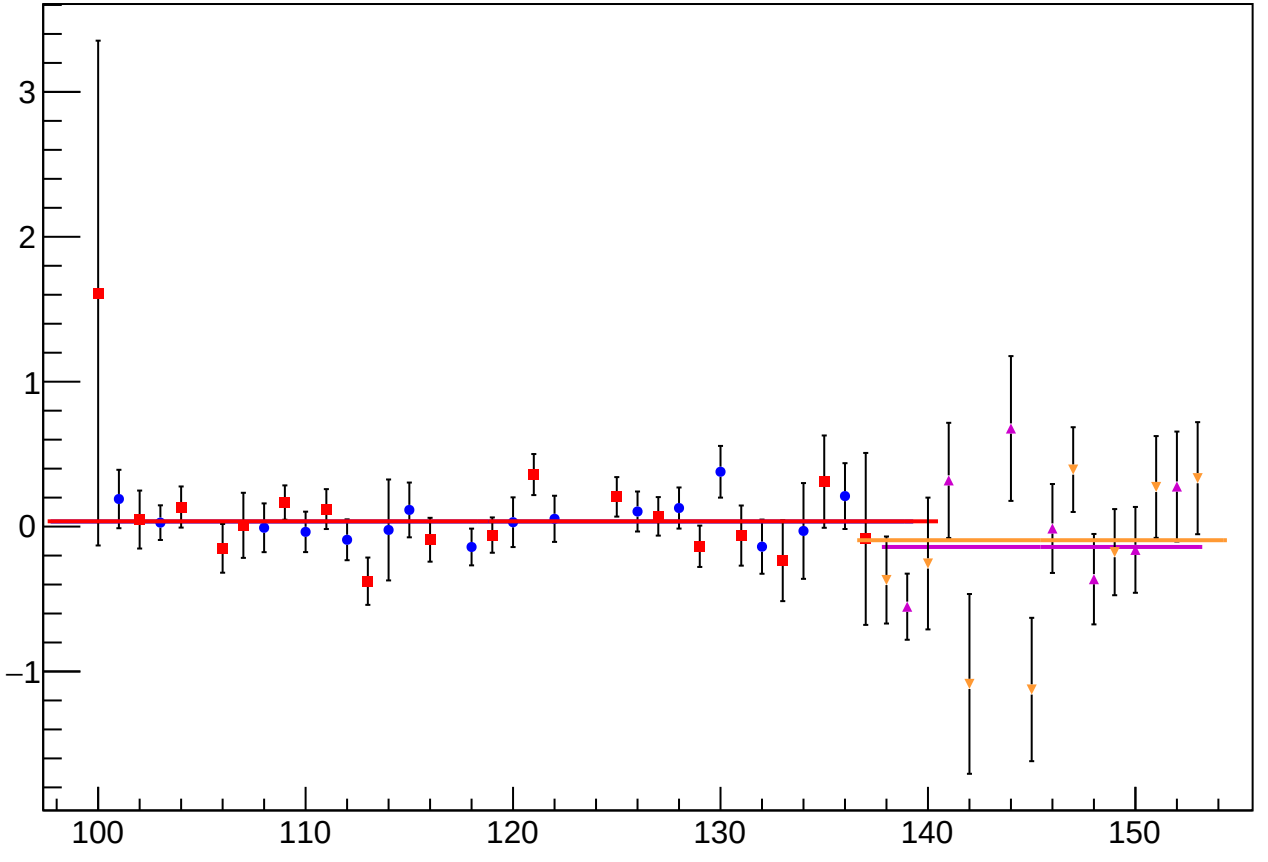
Left In: 285.392+/-0.085 χ^2/NDF:732391.6/6

+ sign 123.256+/-0.028 χ^2/NDF: 6155473.2/23

All: 118.573+/-0.019 χ^2/NDF: 12340371.5/48

- sign 114.372+/-0.026 χ^2/NDF: 6130434.3/24

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.094+/-0.129 χ^2/NDF:13.0/7

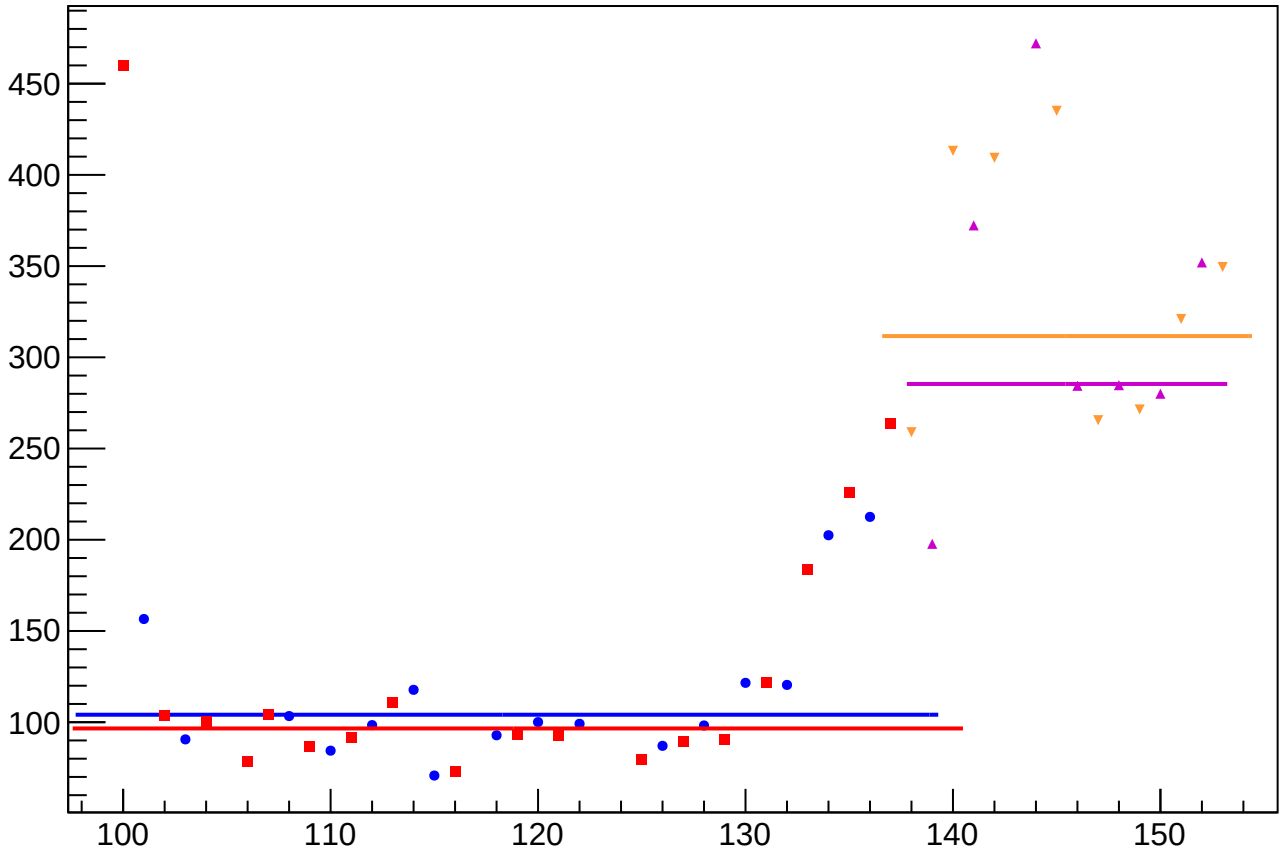
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.141+/-0.121 χ^2/NDF:9.2/6

+ sign 0.023+/-0.039 χ^2/NDF: 23.7/23

All: 0.021+/-0.027 χ^2/NDF: 56.9/48

- sign 0.020+/-0.037 χ^2/NDF: 33.2/24



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 311.648+/-0.091 χ^2/NDF:442404.4/7

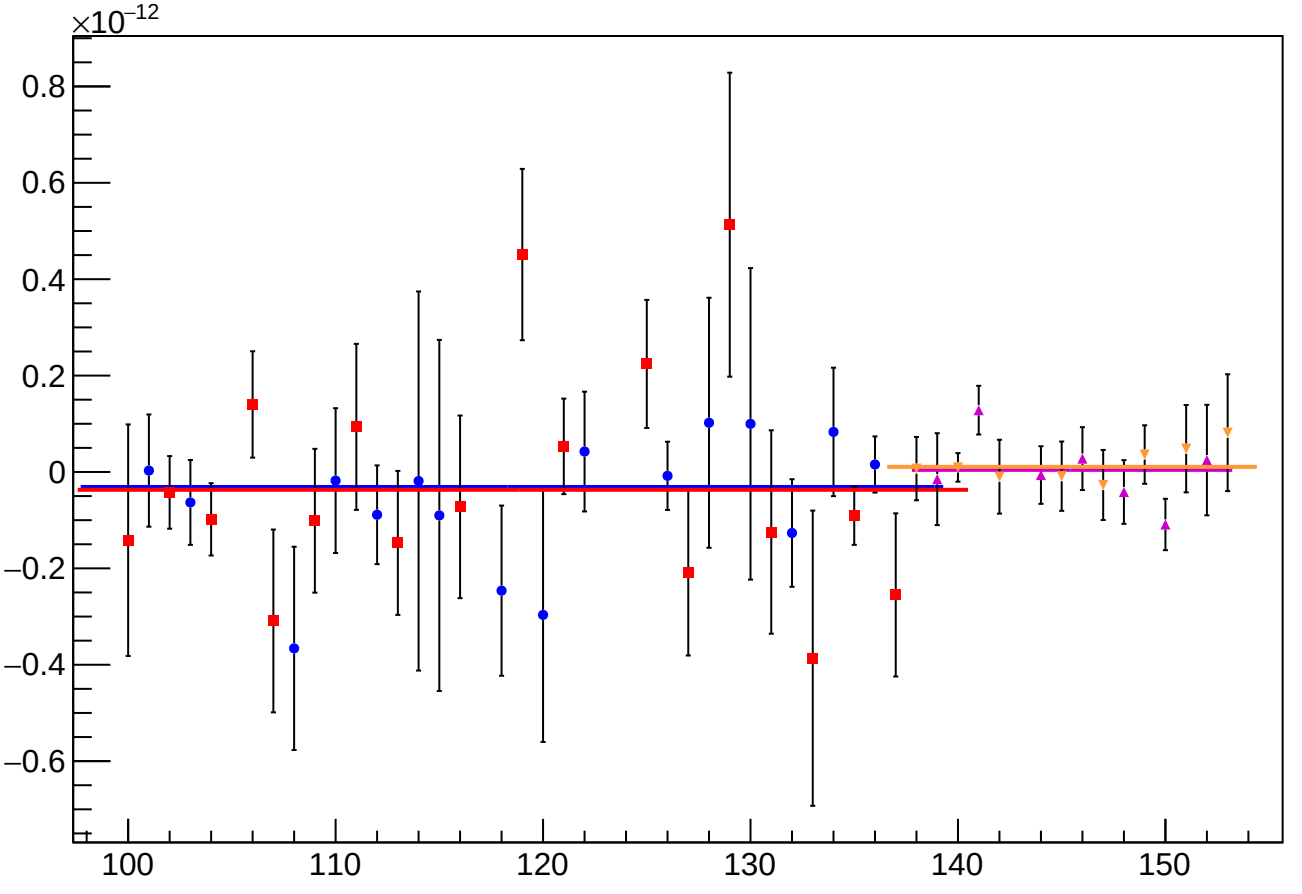
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 285.392+/-0.085 χ^2/NDF:732391.6/6

+ sign 123.256+/-0.028 χ^2/NDF: 6155473.2/23

All: 118.573+/-0.019 χ^2/NDF: 12340371.5/48

- sign 114.372+/-0.026 χ^2/NDF: 6130434.3/24



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/7

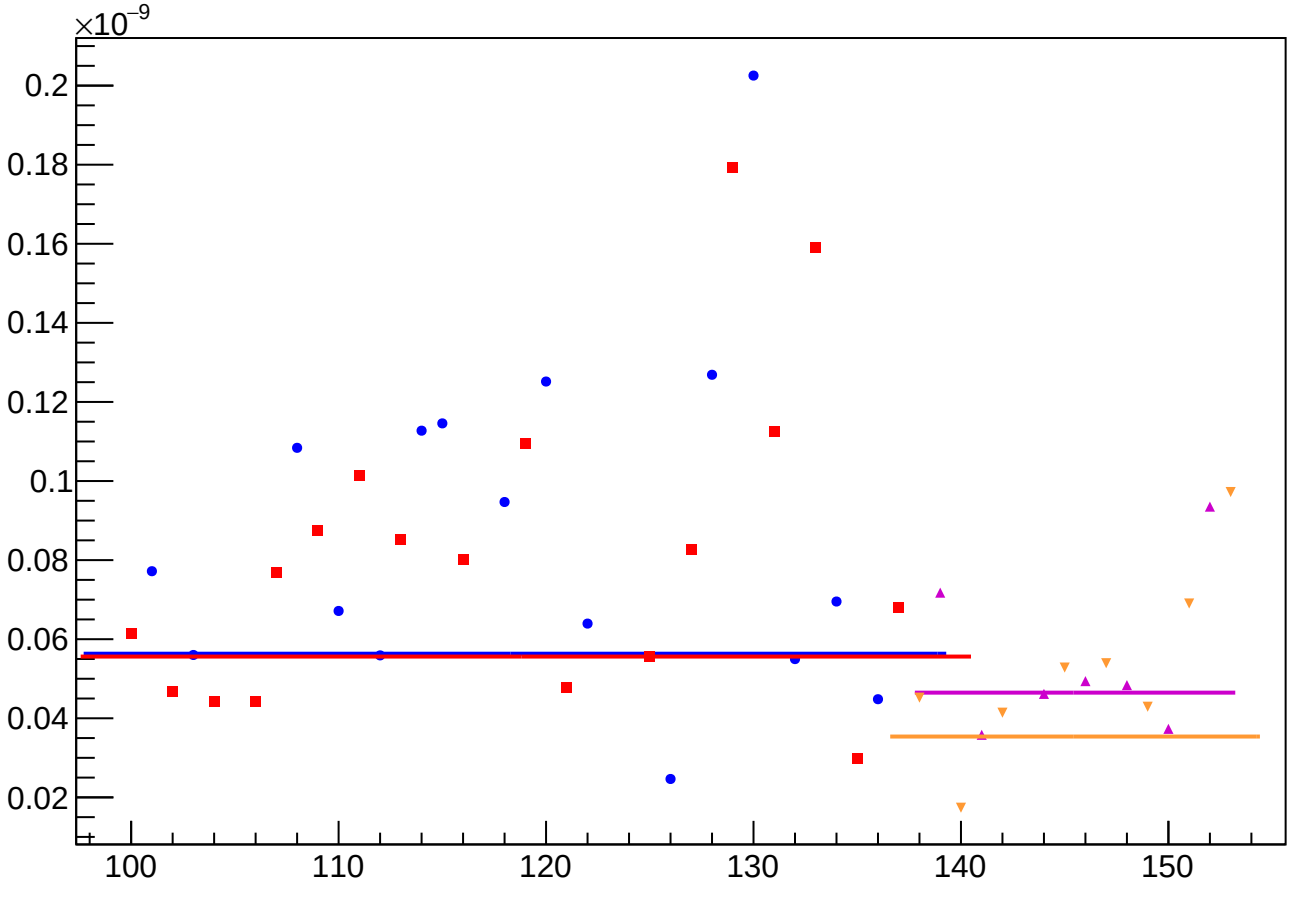
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:11.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 11.0/23

All: -0.000+/-0.000 χ^2/NDF: 50.7/48

- sign -0.000+/-0.000 χ^2/NDF: 39.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1871032.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

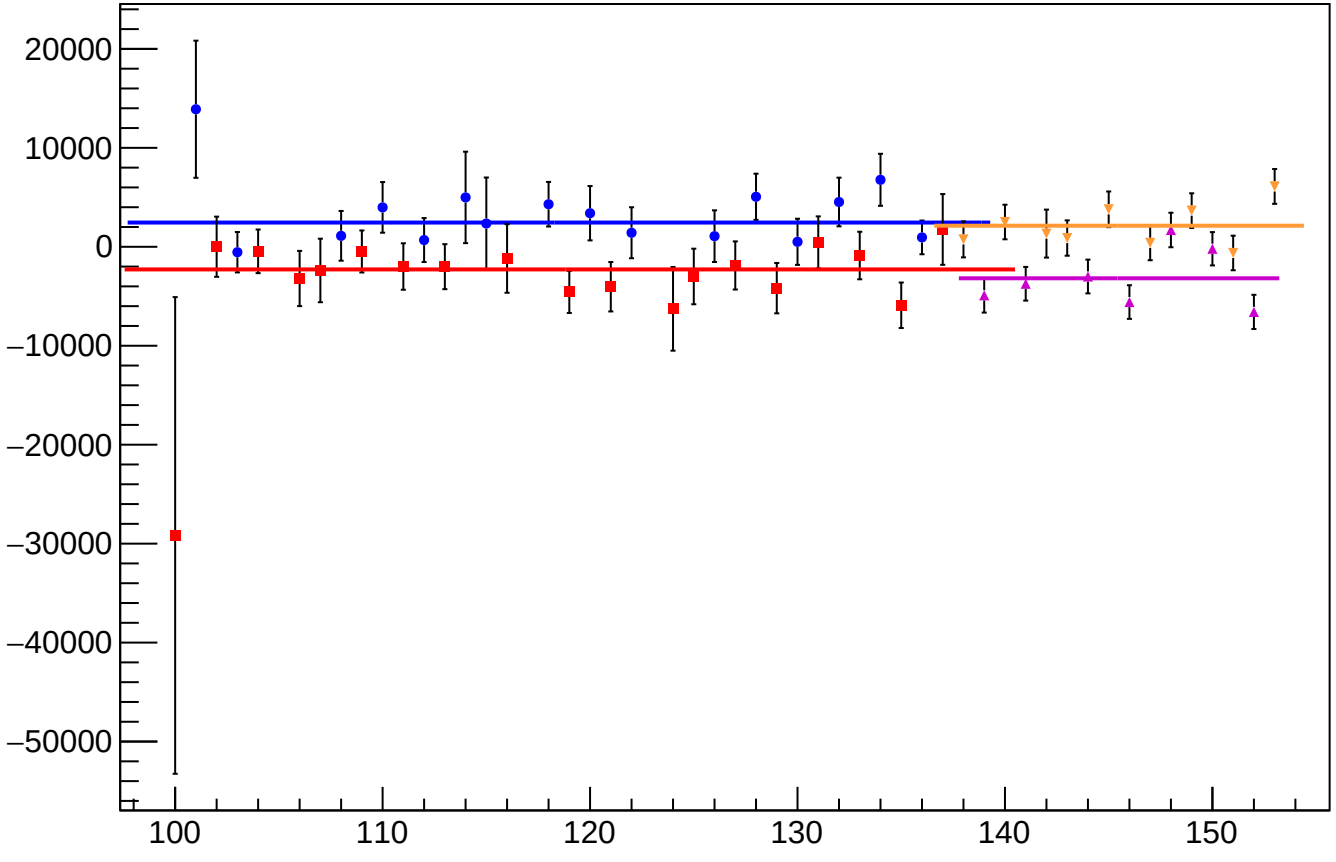
Left In: 0.000+/-0.000 χ^2/NDF:631179.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 4132847.4/23

All: 0.000+/-0.000 χ^2/NDF: 6858666.3/48

- sign 0.000+/-0.000 χ^2/NDF: 2515542.3/24

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2131.821+/-606.030 χ^2/NDF:11.4/8

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

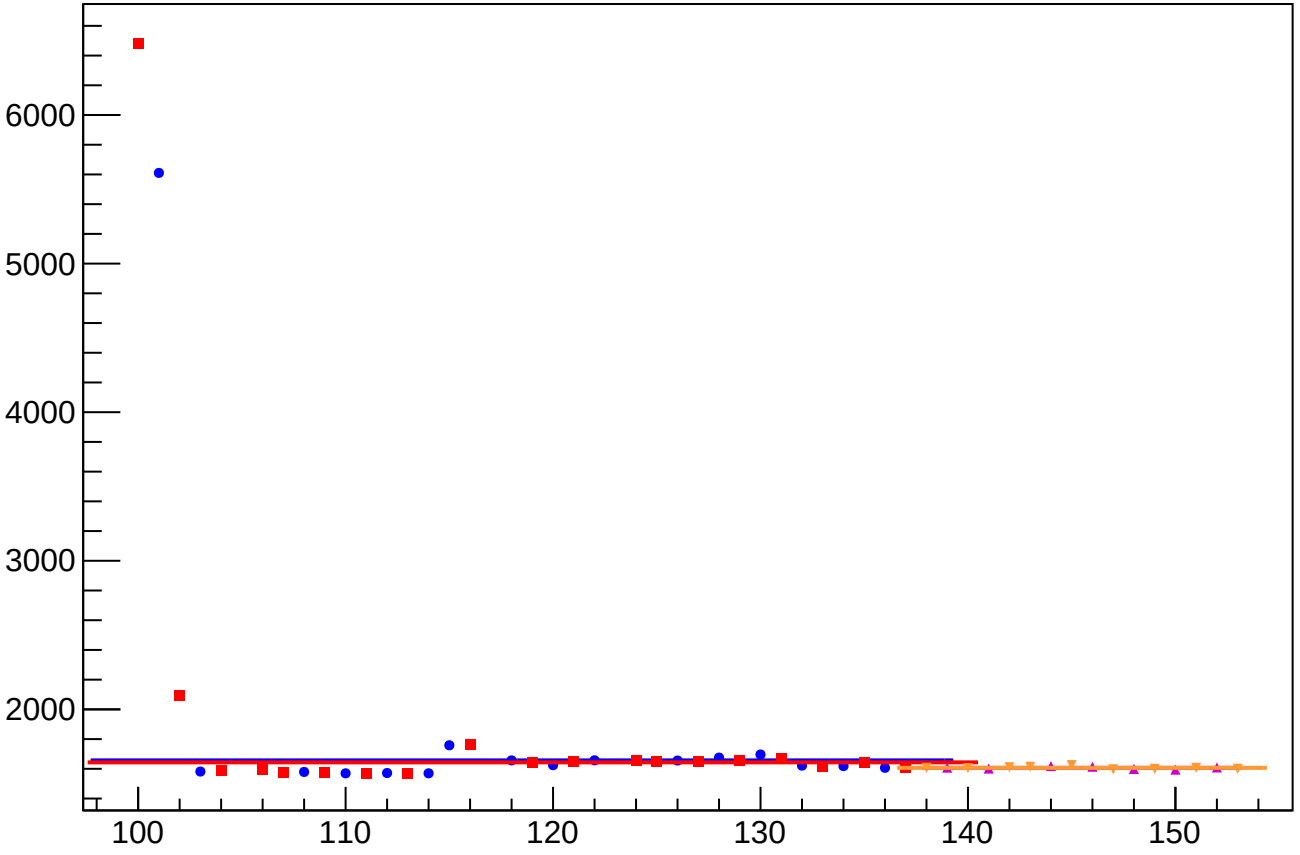
Left In: -3183.436+/-648.338 χ^2/NDF:17.9/6

+ sign 2284.663+/-436.834 χ^2/NDF: 25.3/24

All: -170.920+/-311.372 χ^2/NDF: 120.4/50

- sign -2707.087+/-443.944 χ^2/NDF: 30.8/25

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1606.595+/-0.429 χ^2/NDF:354.4/8

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

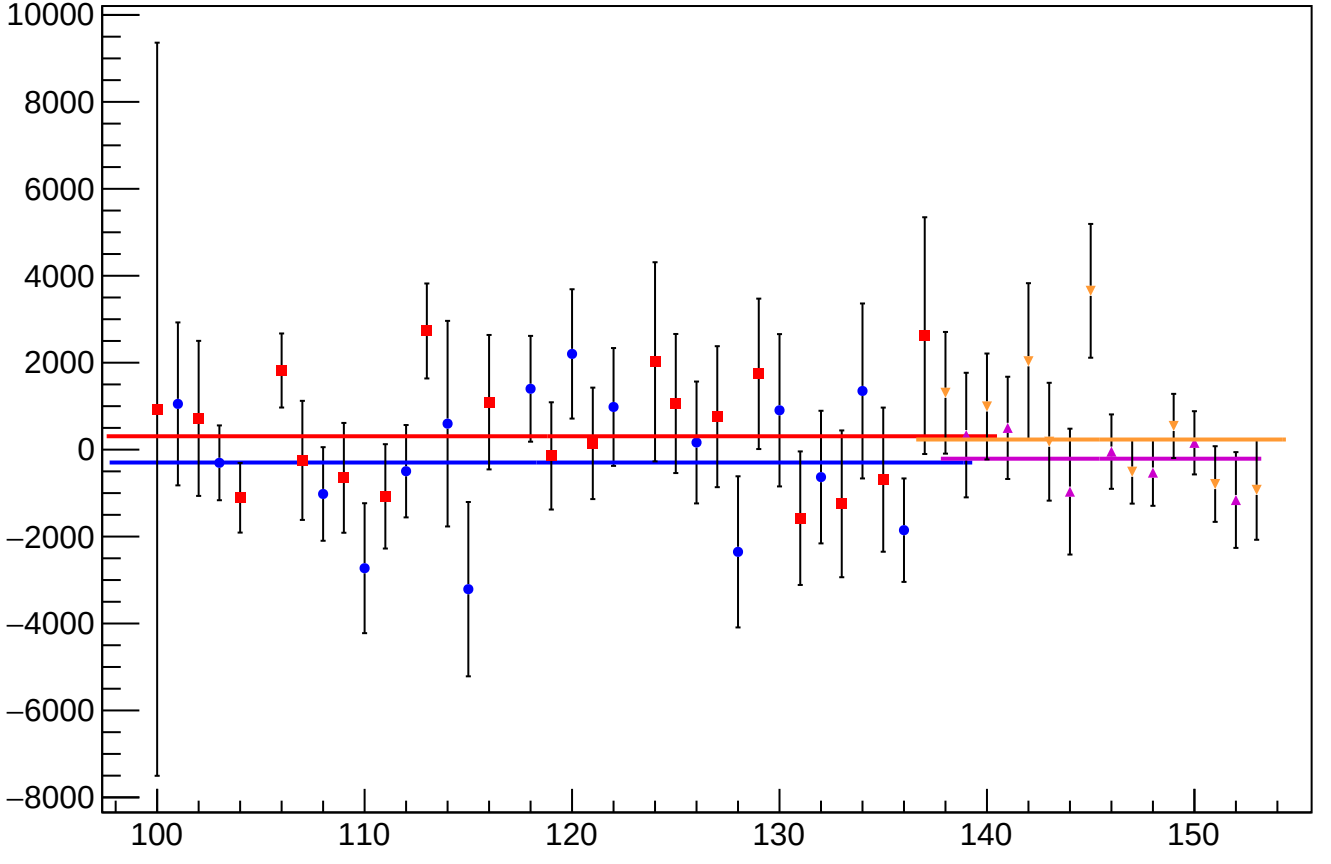
Left In: 1606.438+/-0.458 χ^2/NDF:301.4/6

+ sign 1630.659+/-0.309 χ^2/NDF: 673144.2/24

All: 1628.409+/-0.220 χ^2/NDF: 814009.5/50

- sign 1626.086+/-0.314 χ^2/NDF: 140757.4/25

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 232.755+/-348.566 χ^2/NDF:10.5/8

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

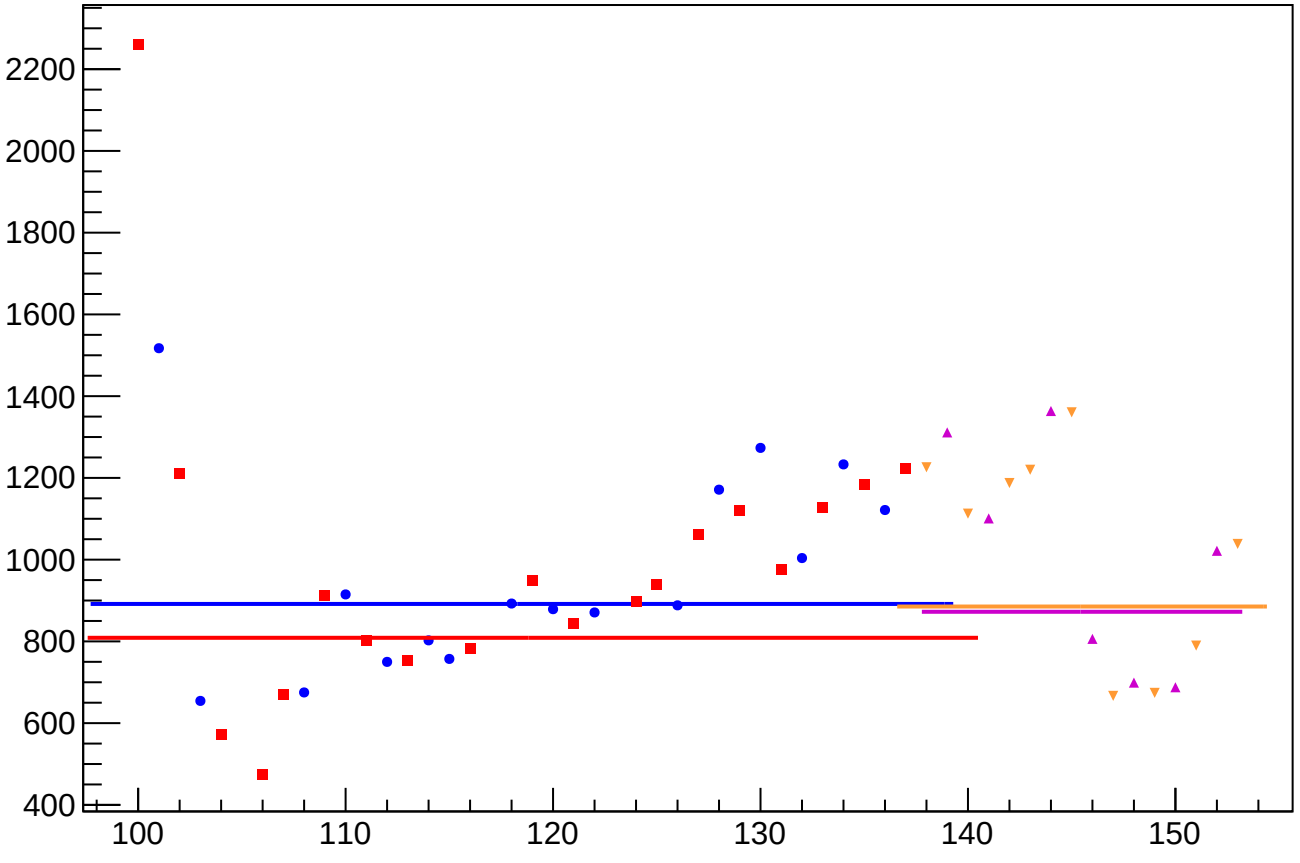
Left In: -208.756+/-365.677 χ^2/NDF:2.0/6

+ sign -35.770+/-244.639 χ^2/NDF: 27.7/24

All: 28.554+/-170.508 χ^2/NDF: 49.6/50

- sign 89.320+/-237.778 χ^2/NDF: 21.8/25

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 885.319+/-0.246 χ^2/NDF:958019.1/8

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

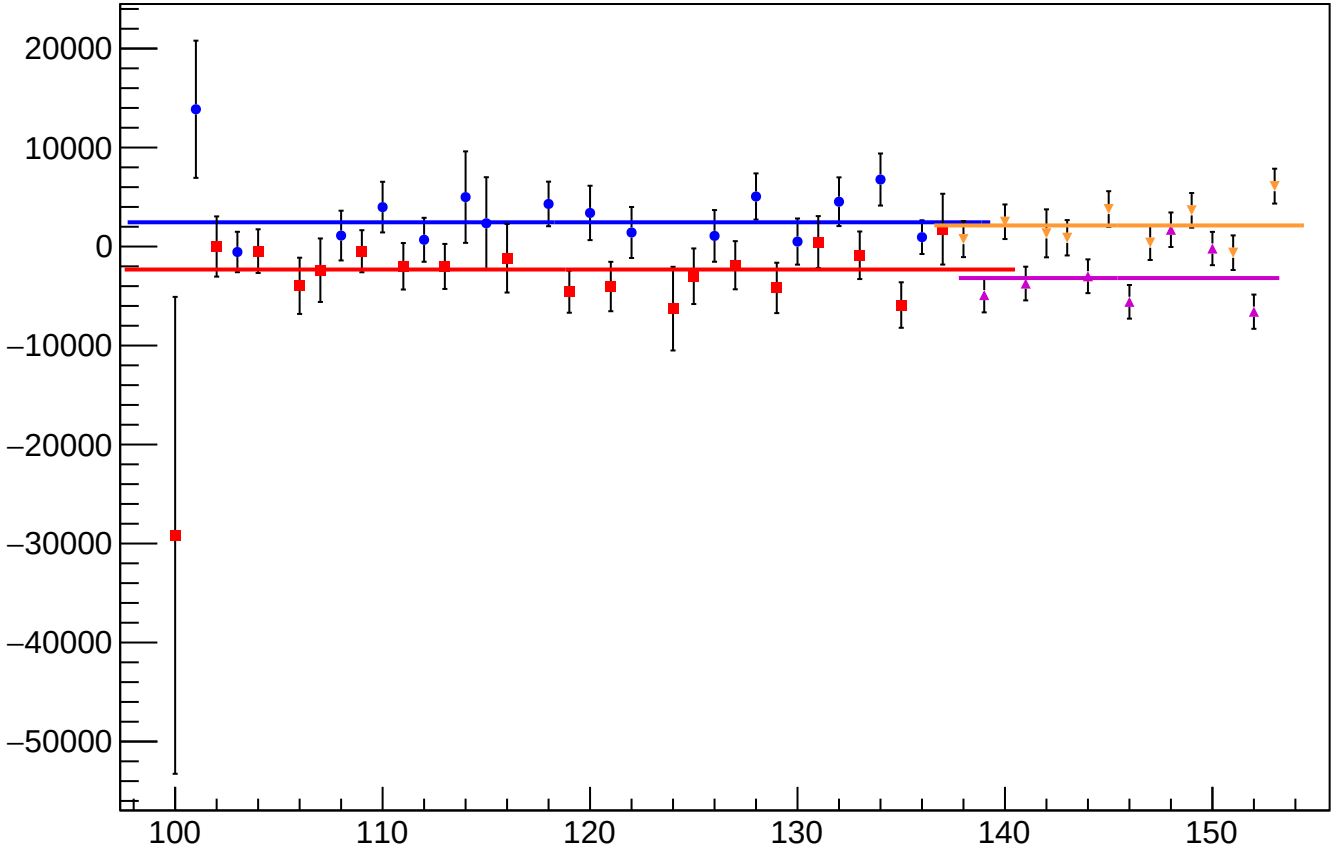
Left In: 872.461+/-0.259 χ^2/NDF:773711.0/6

+ sign 888.523+/-0.173 χ^2/NDF: 1752249.3/24

All: 861.371+/-0.121 χ^2/NDF: 3692686.7/50

- sign 835.722+/-0.168 χ^2/NDF: 1892528.8/25

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2131.785+/-606.030 χ^2/NDF:11.4/8

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

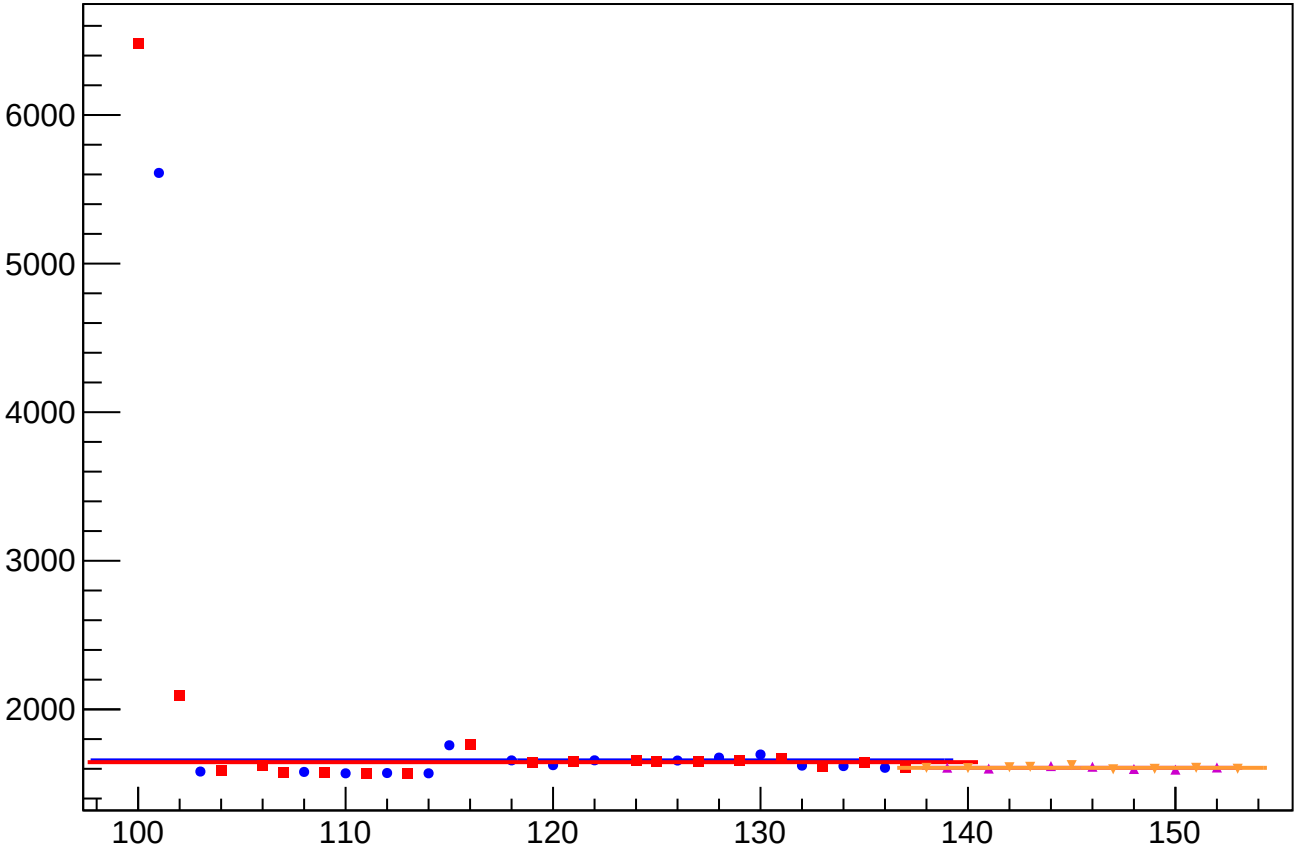
Left In: -3183.622+/-648.338 χ^2/NDF:17.9/6

+ sign 2284.375+/-436.835 χ^2/NDF: 25.3/24

All: -179.075+/-311.439 χ^2/NDF: 120.9/50

- sign -2725.586+/-444.138 χ^2/NDF: 30.9/25

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.595+/-0.429 χ^2/NDF:354.4/8

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

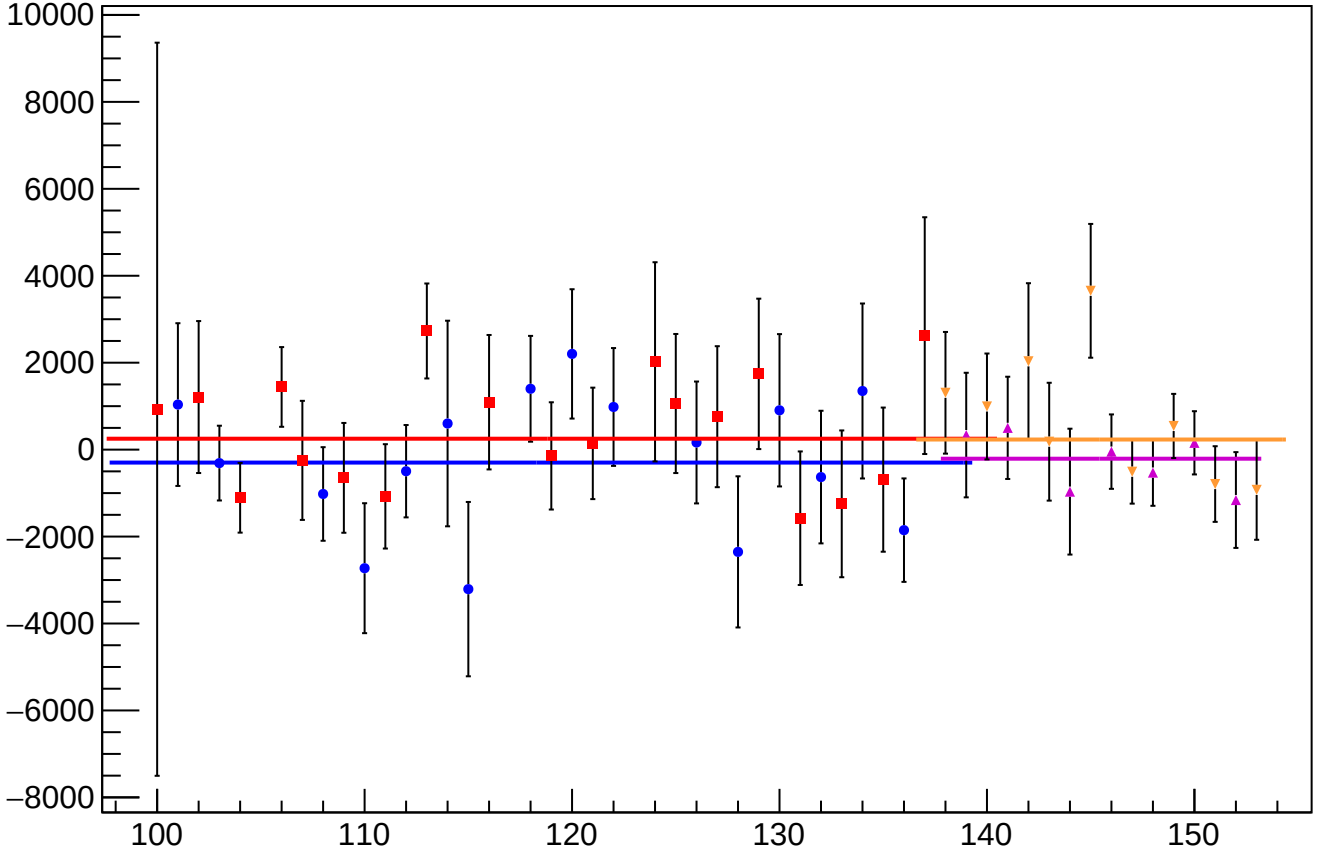
Left In: 1606.438+/-0.458 χ^2/NDF:301.4/6

+ sign 1630.659+/-0.309 χ^2/NDF: 673143.7/24

All: 1628.743+/-0.220 χ^2/NDF: 813709.6/50

- sign 1626.762+/-0.314 χ^2/NDF: 140487.7/25

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 232.624+/-348.560 χ^2/NDF:10.5/8

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

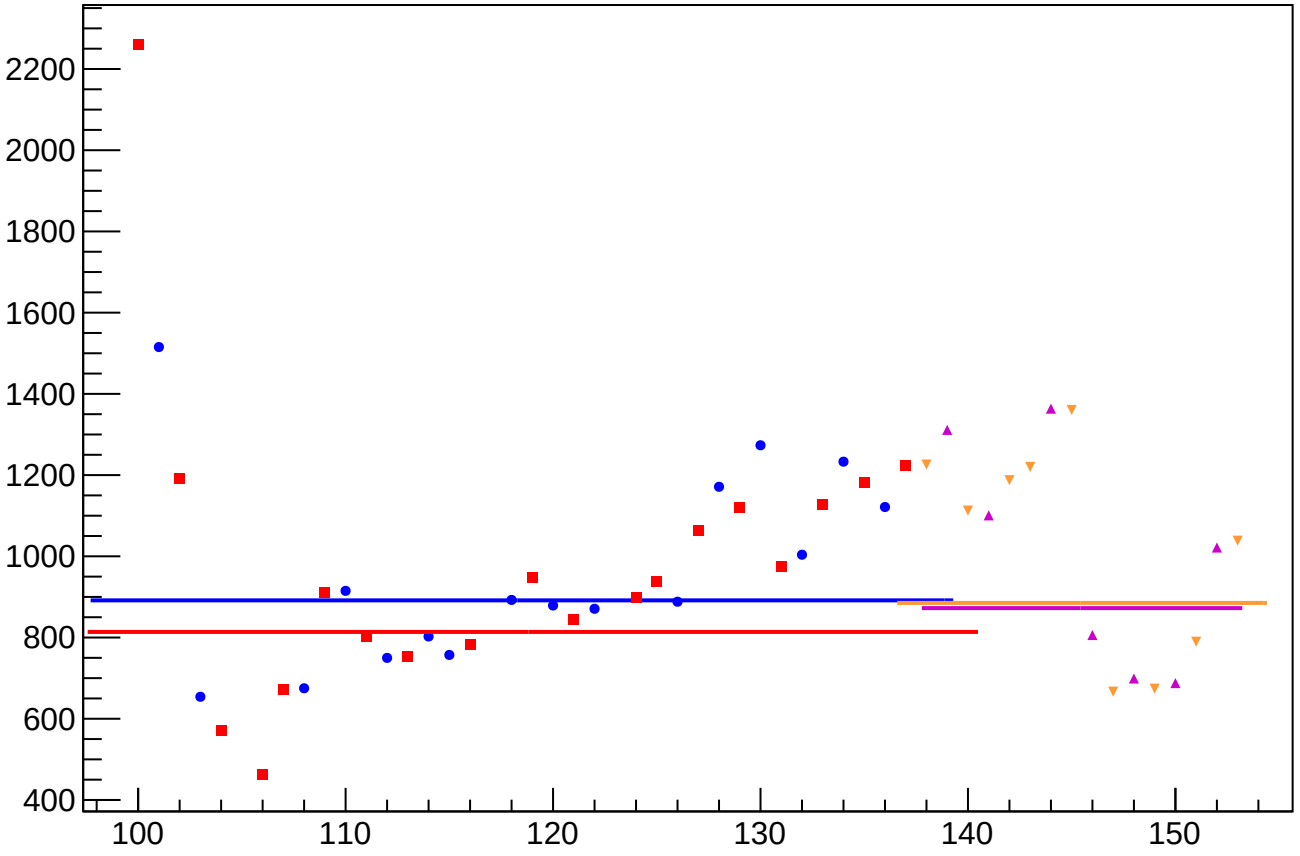
Left In: -208.818+/-365.681 χ^2/NDF:2.0/6

+ sign -36.548+/-244.621 χ^2/NDF: 27.6/24

All: 10.157+/-170.947 χ^2/NDF: 47.9/50

- sign 54.736+/-238.988 χ^2/NDF: 20.2/25

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 885.303+/-0.246 χ^2/NDF:958061.5/8

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

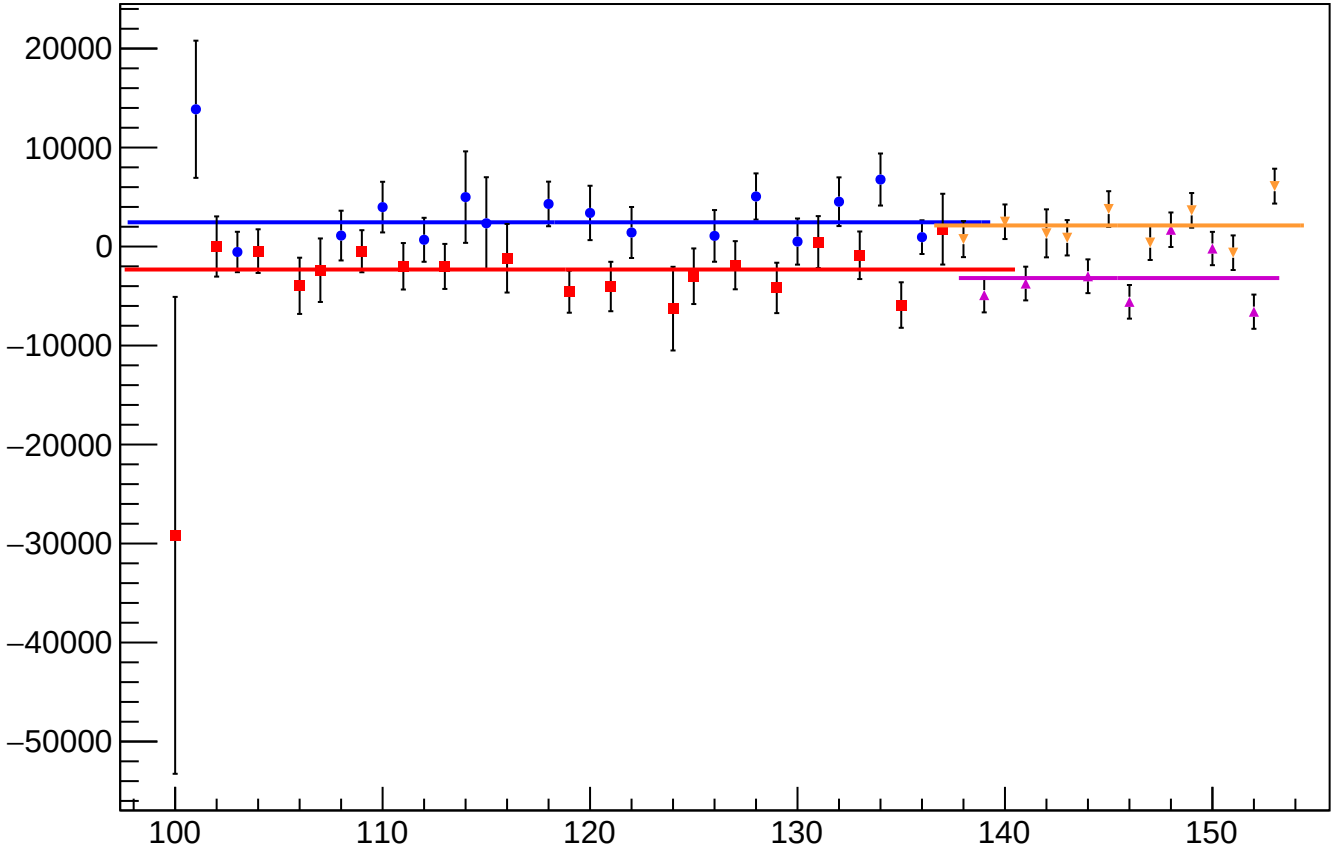
Left In: 872.470+/-0.259 χ^2/NDF:773695.3/6

+ sign 888.464+/-0.173 χ^2/NDF: 1752042.9/24

All: 863.086+/-0.121 χ^2/NDF: 3650288.9/50

- sign 838.863+/-0.169 χ^2/NDF: 1856173.2/25

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2131.785+/-606.030 χ^2/NDF:11.4/8

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

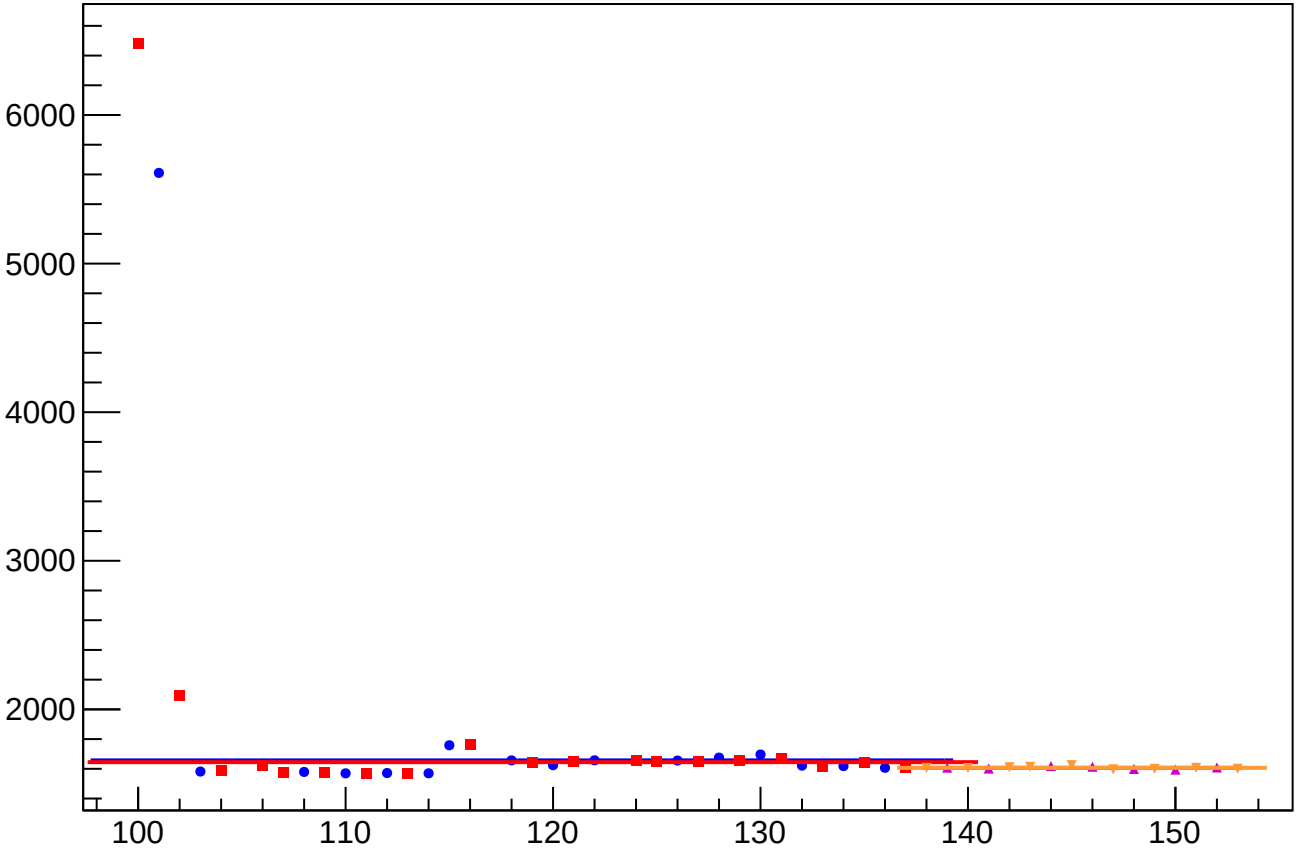
Left In: -3183.622+/-648.338 χ^2/NDF:17.9/6

+ sign 2284.375+/-436.835 χ^2/NDF: 25.3/24

All: -179.075+/-311.439 χ^2/NDF: 120.9/50

- sign -2725.586+/-444.138 χ^2/NDF: 30.9/25

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.595+/-0.429 χ^2/NDF:354.4/8

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

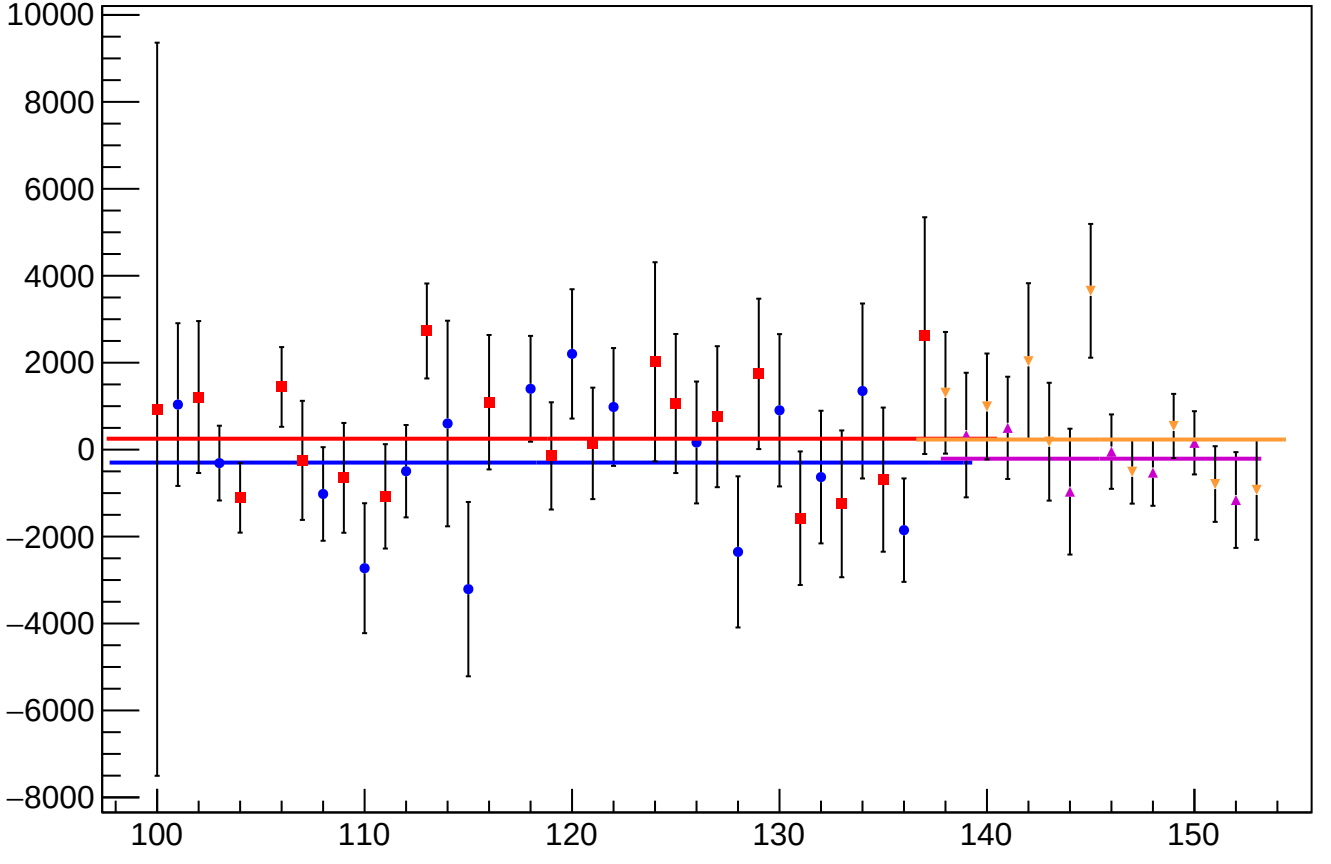
Left In: 1606.438+/-0.458 χ^2/NDF:301.4/6

+ sign 1630.659+/-0.309 χ^2/NDF: 673143.7/24

All: 1628.743+/-0.220 χ^2/NDF: 813709.6/50

- sign 1626.762+/-0.314 χ^2/NDF: 140487.7/25

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 232.624+/-348.560 χ^2/NDF:10.5/8

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

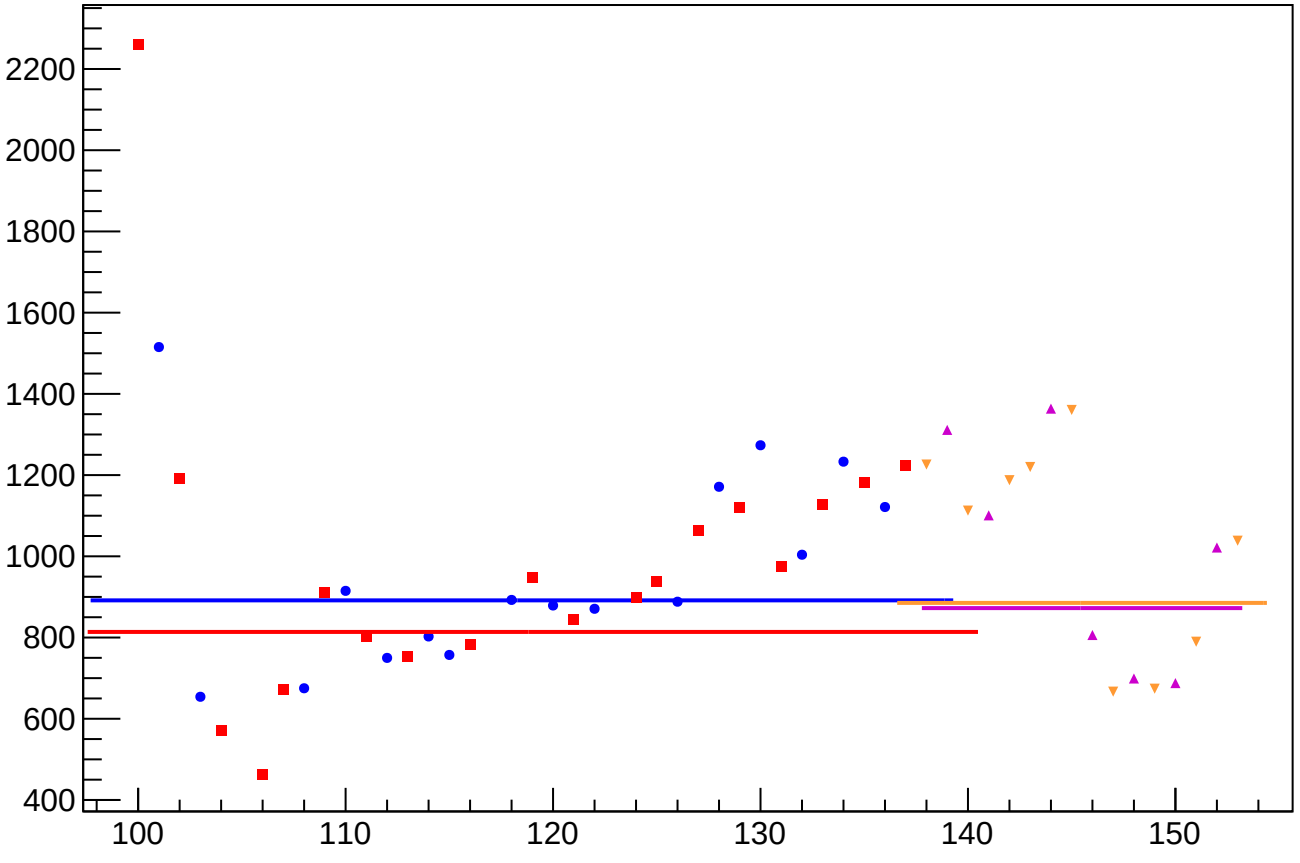
Left In: -208.818+/-365.681 χ^2/NDF:2.0/6

+ sign -36.548+/-244.621 χ^2/NDF: 27.6/24

All: 10.157+/-170.947 χ^2/NDF: 47.9/50

- sign 54.736+/-238.988 χ^2/NDF: 20.2/25

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 885.303+/-0.246 χ^2/NDF:958061.5/8

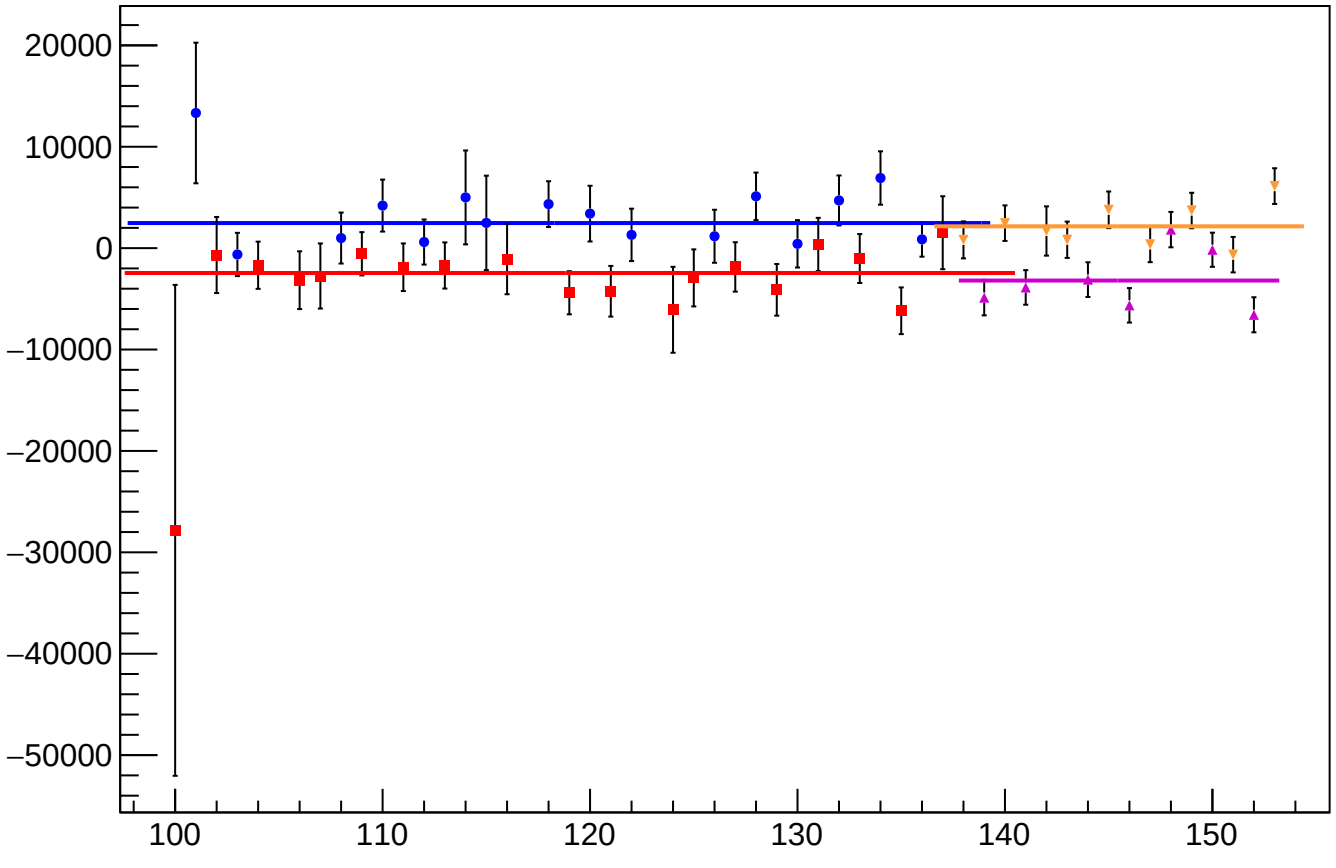
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 872.470+/-0.259 χ^2/NDF:773695.3/6

+ sign 888.464+/-0.173 χ^2/NDF: 1752042.9/24

All: 863.086+/-0.121 χ^2/NDF: 3650288.9/50

- sign 838.863+/-0.169 χ^2/NDF: 1856173.2/25



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2152.971+/-607.093 χ^2/NDF:11.4/8

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

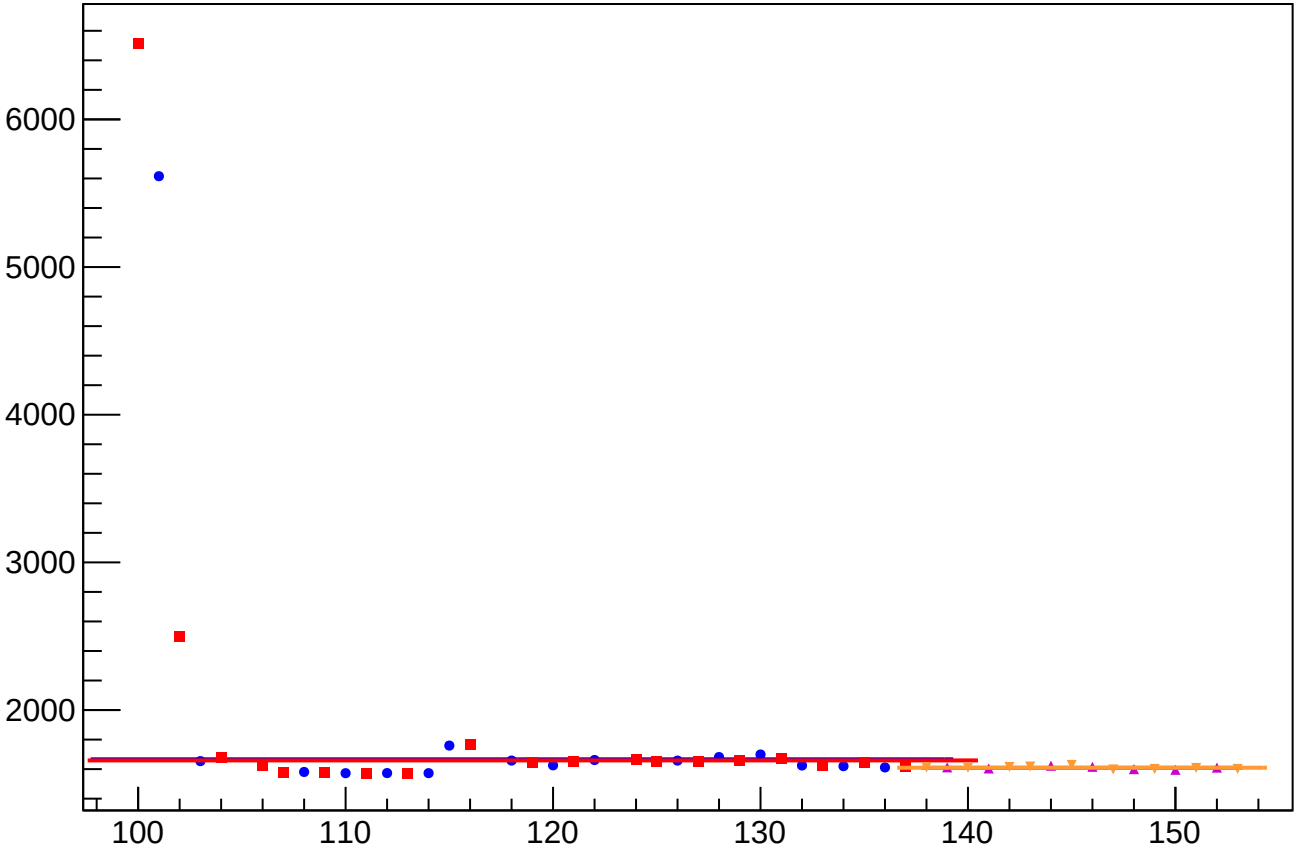
Left In: -3195.580+/-649.288 χ^2/NDF:18.5/6

+ sign 2307.150+/-438.439 χ^2/NDF: 25.7/24

All: -196.157+/-313.166 χ^2/NDF: 122.0/50

- sign -2803.615+/-447.467 χ^2/NDF: 29.7/25

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.400+/-0.429 χ^2/NDF:444.2/8

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

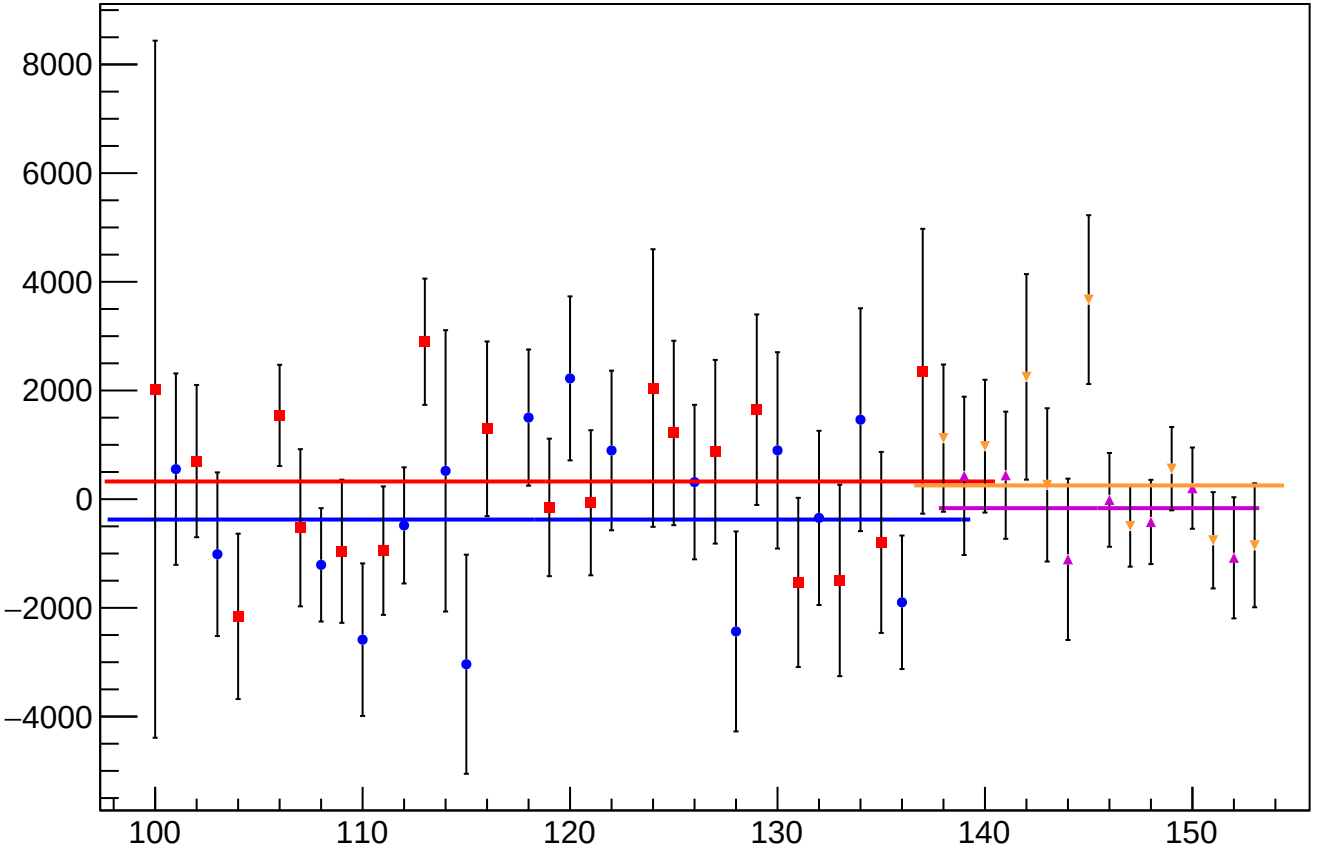
Left In: 1608.768+/-0.459 χ^2/NDF:371.2/6

+ sign 1636.671+/-0.310 χ^2/NDF: 671793.9/24

All: 1635.923+/-0.221 χ^2/NDF: 871687.0/50

- sign 1635.145+/-0.316 χ^2/NDF: 199881.3/25

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 252.804+/-354.878 χ^2/NDF:10.1/8

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

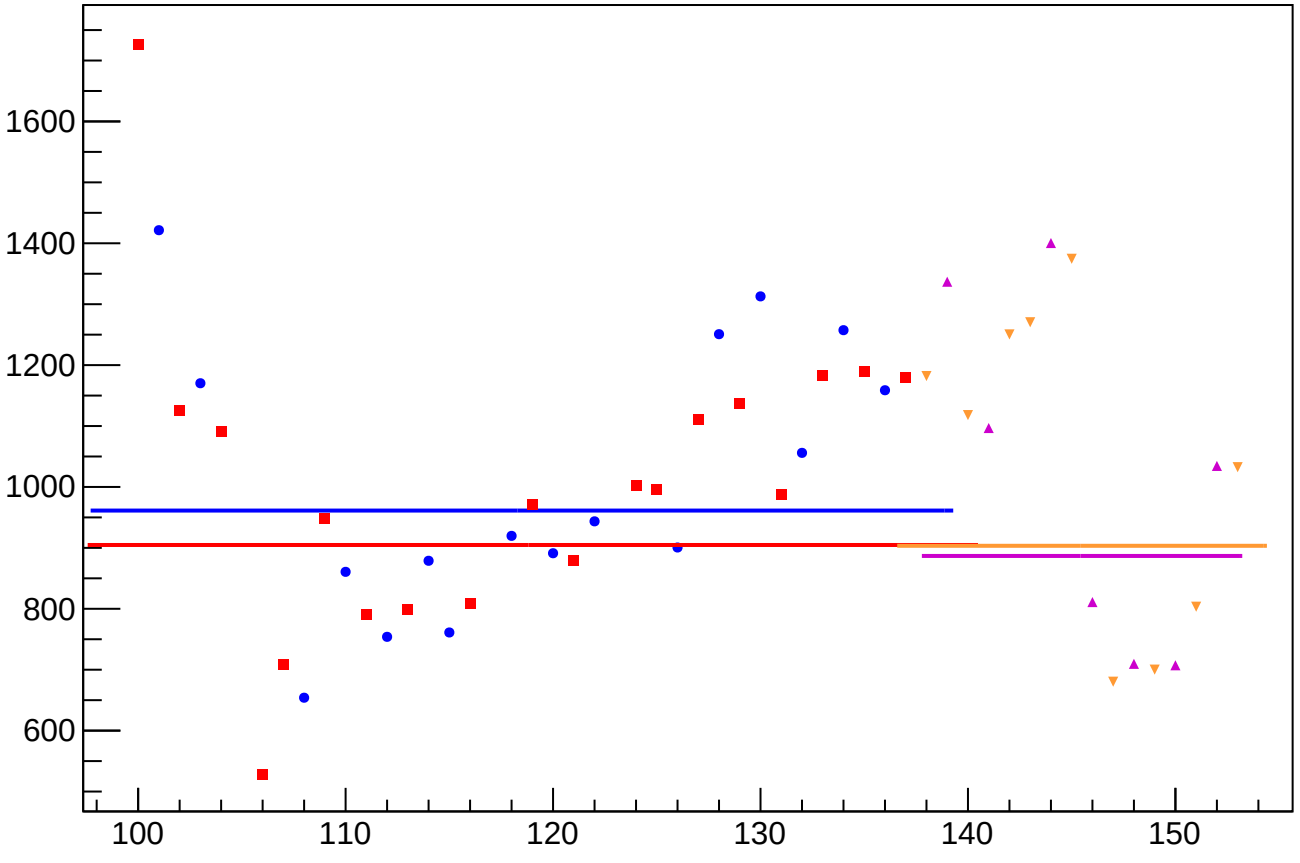
Left In: -165.206+/-371.180 χ^2/NDF:1.9/6

\+ sign -49.556+/-255.431 χ^2/NDF: 27.3/24

All: 27.186+/-179.017 χ^2/NDF: 47.8/50

\- sign 101.268+/-250.964 χ^2/NDF: 20.2/25

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 903.413+/-0.251 χ^2/NDF:902342.1/8

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

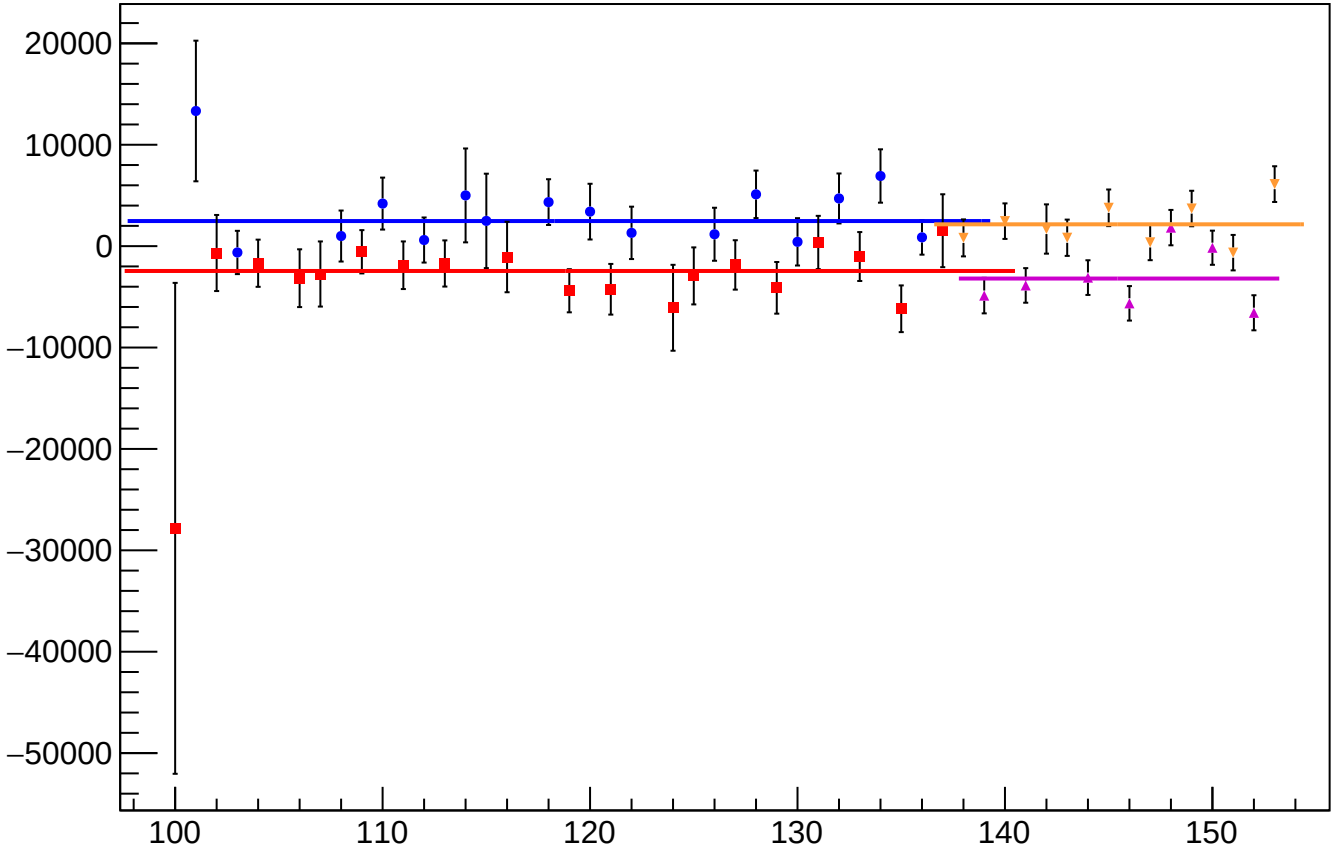
Left In: 886.747+/-0.262 χ^2/NDF:765246.8/6

+ sign 931.283+/-0.181 χ^2/NDF: 1619812.5/24

All: 913.591+/-0.127 χ^2/NDF: 3142950.9/50

- sign 896.512+/-0.177 χ^2/NDF: 1504281.8/25

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2152.972+/-607.093 χ^2/NDF:11.4/8

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

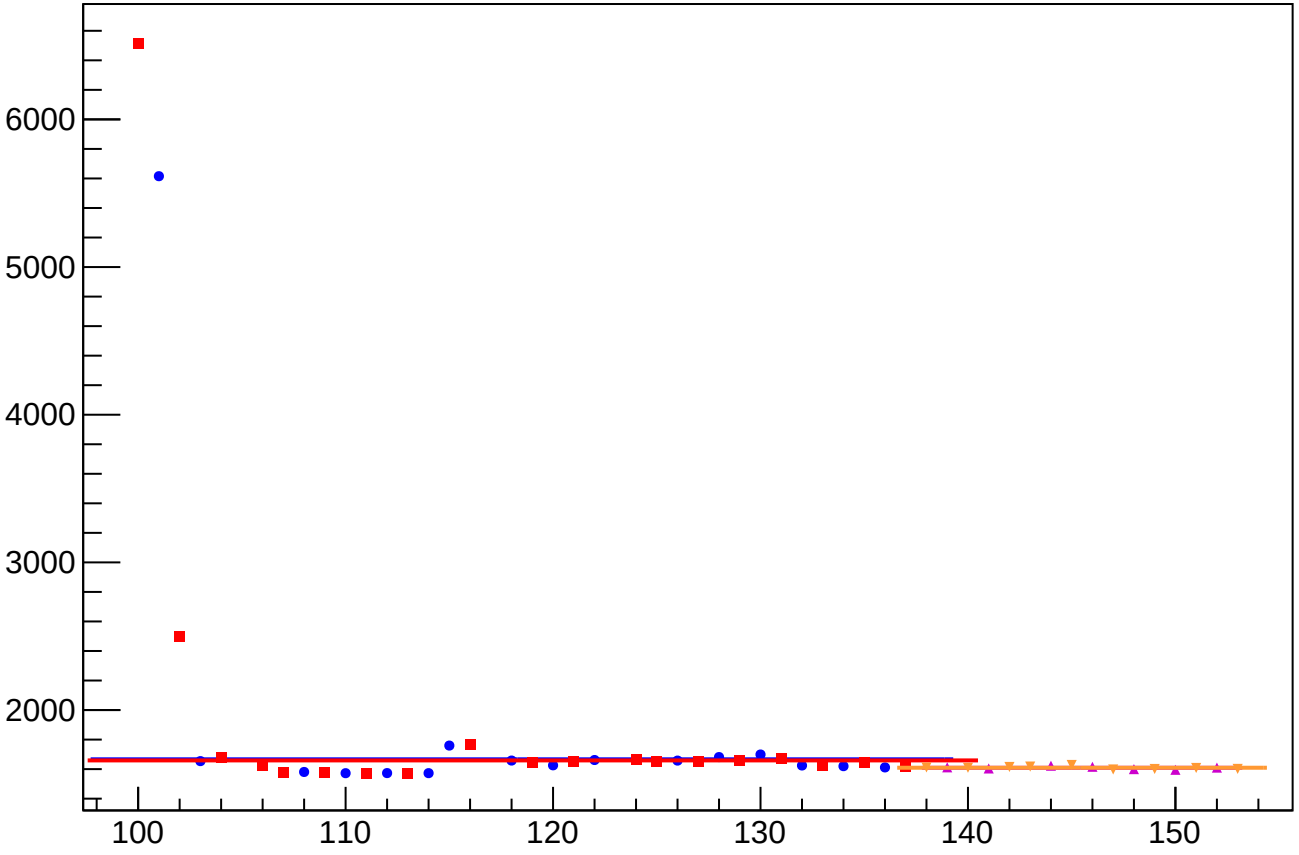
Left In: -3195.581+/-649.288 χ^2/NDF:18.5/6

+ sign 2307.151+/-438.439 χ^2/NDF: 25.7/24

All: -196.157+/-313.166 χ^2/NDF: 122.0/50

- sign -2803.615+/-447.467 χ^2/NDF: 29.7/25

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.400+/-0.429 χ^2/NDF:444.2/8

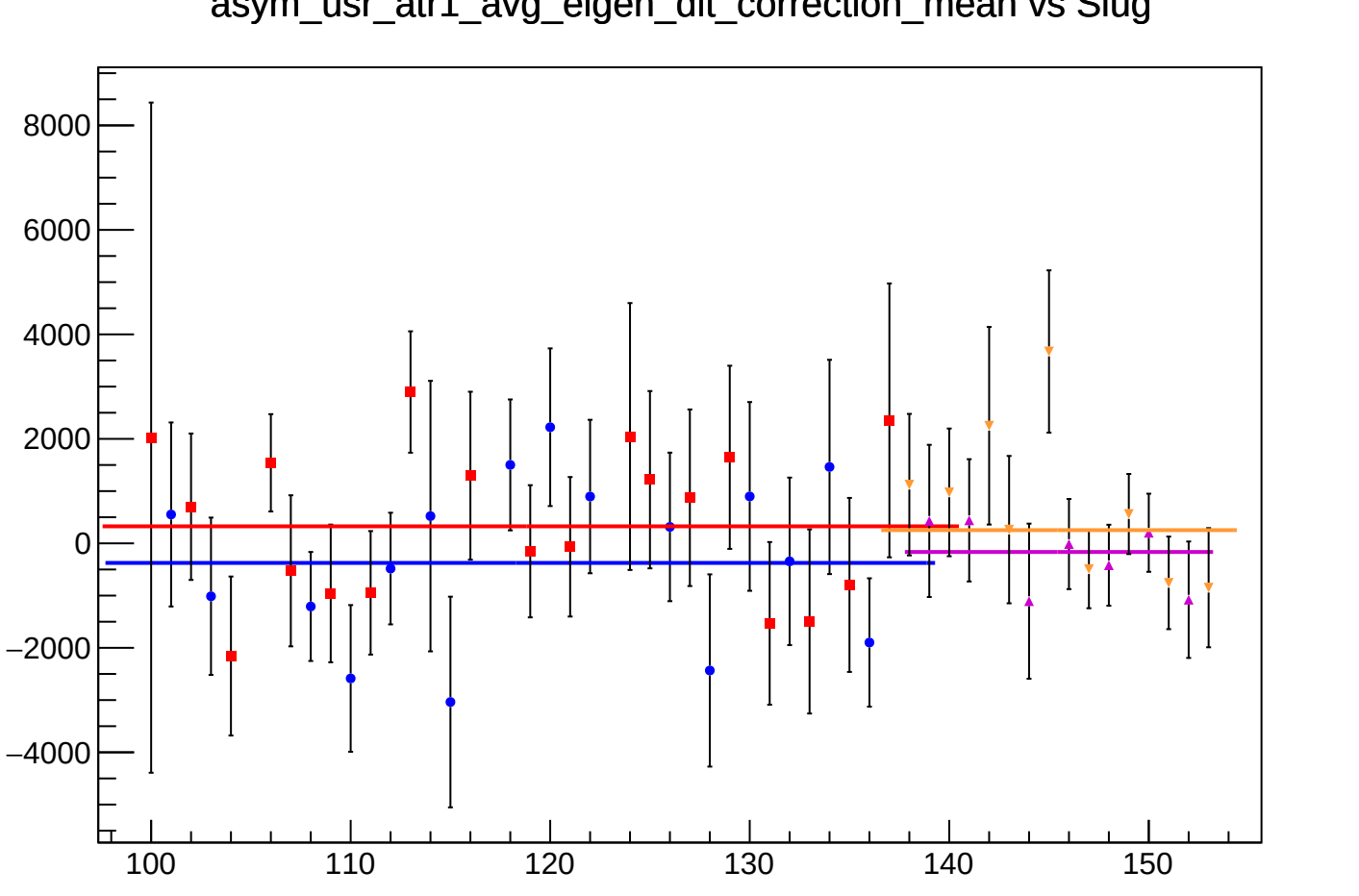
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1608.768+/-0.459 χ^2/NDF:371.2/6

+ sign 1636.671+/-0.310 χ^2/NDF: 671793.8/24

All: 1635.923+/-0.221 χ^2/NDF: 871686.8/50

- sign 1635.145+/-0.316 χ^2/NDF: 199881.1/25



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 252.803+/-354.879 χ^2/NDF:10.1/8

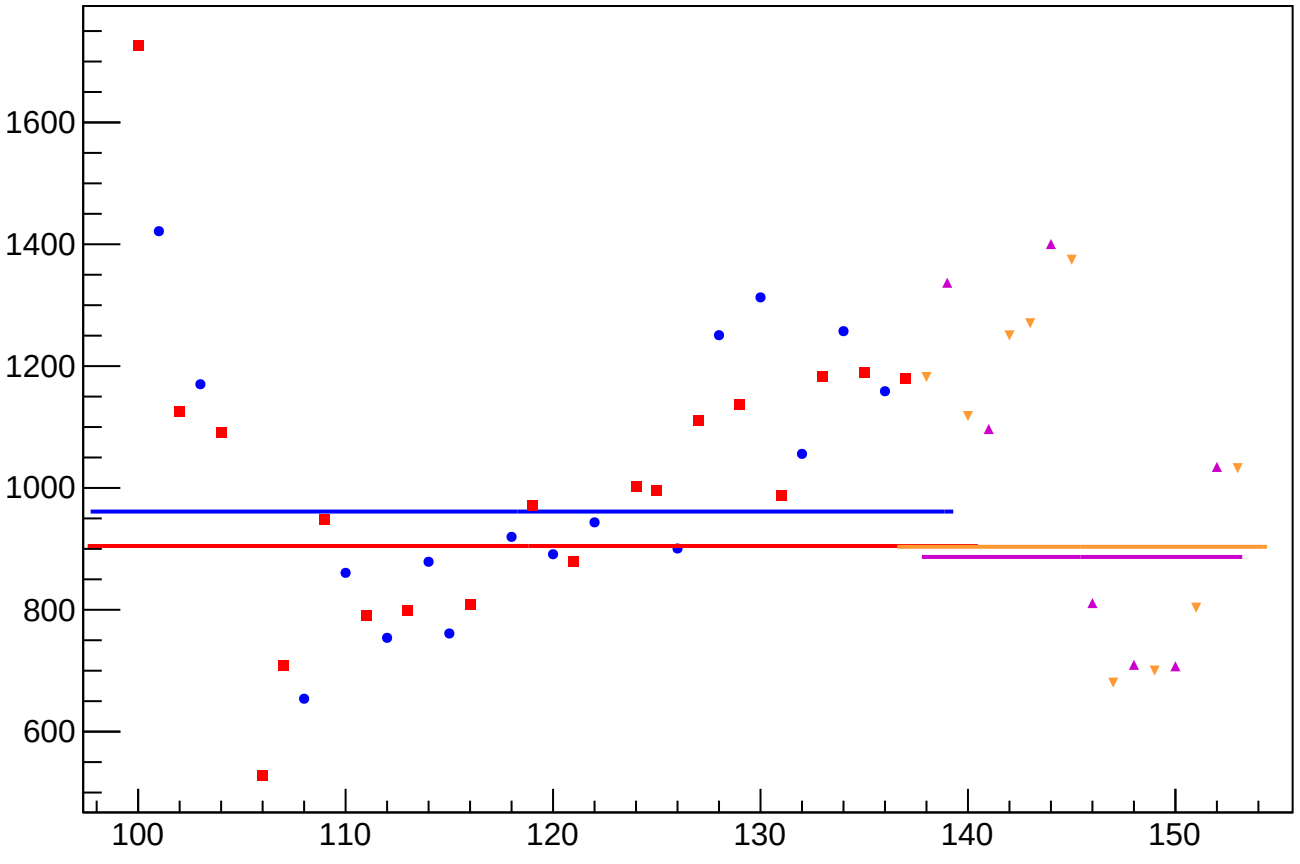
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -165.207+/-371.181 χ^2/NDF:1.9/6

+ sign -49.558+/-255.431 χ^2/NDF: 27.3/24

All: 27.186+/-179.017 χ^2/NDF: 47.8/50

- sign 101.269+/-250.964 χ^2/NDF: 20.2/25



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 903.415+/-0.251 χ^2/NDF:902343.4/8

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

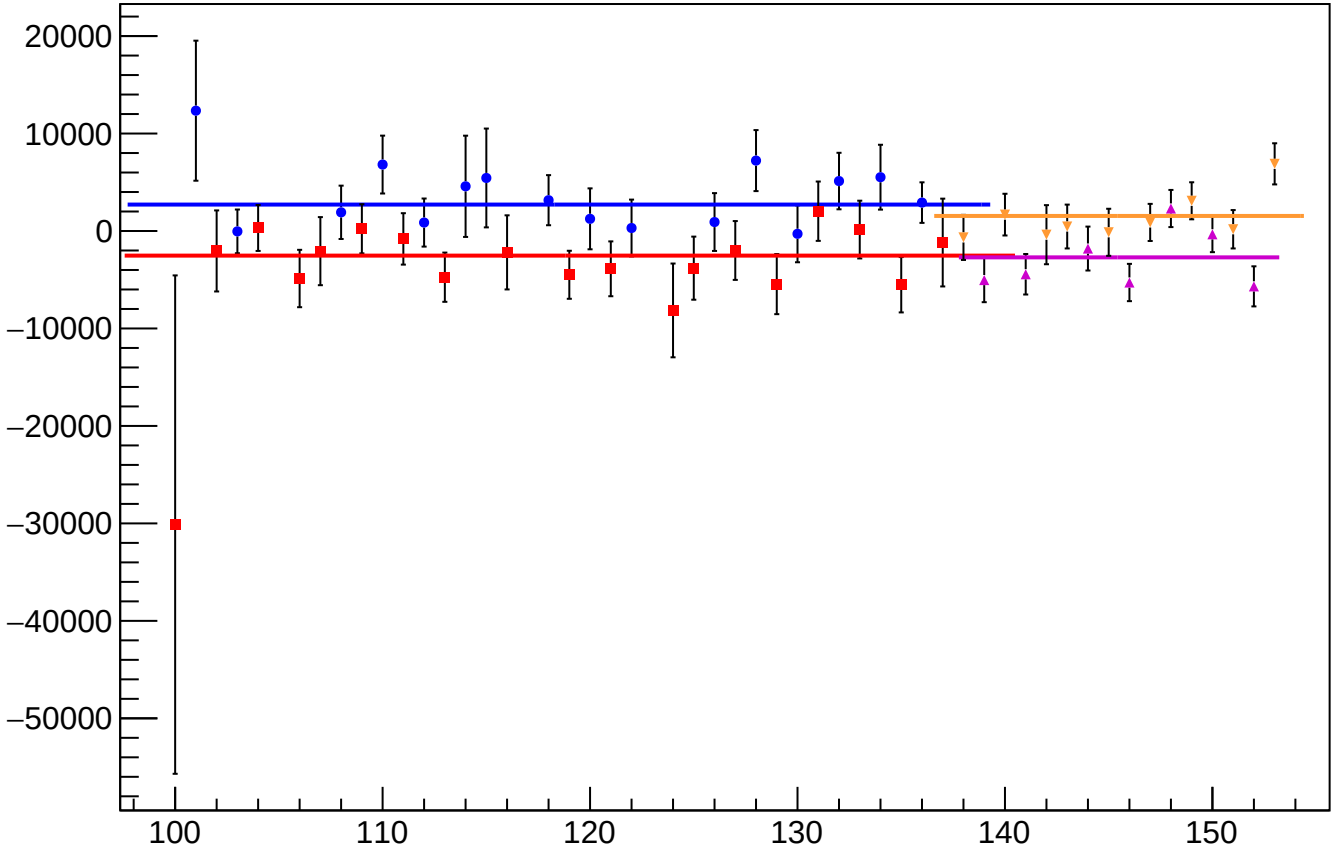
Left In: 886.748+/-0.262 χ^2/NDF:765248.4/6

+ sign 931.282+/-0.181 χ^2/NDF: 1619816.9/24

All: 913.590+/-0.127 χ^2/NDF: 3142952.9/50

- sign 896.512+/-0.177 χ^2/NDF: 1504279.6/25

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 1544.837+/-721.964 χ^2/NDF:9.7/8

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

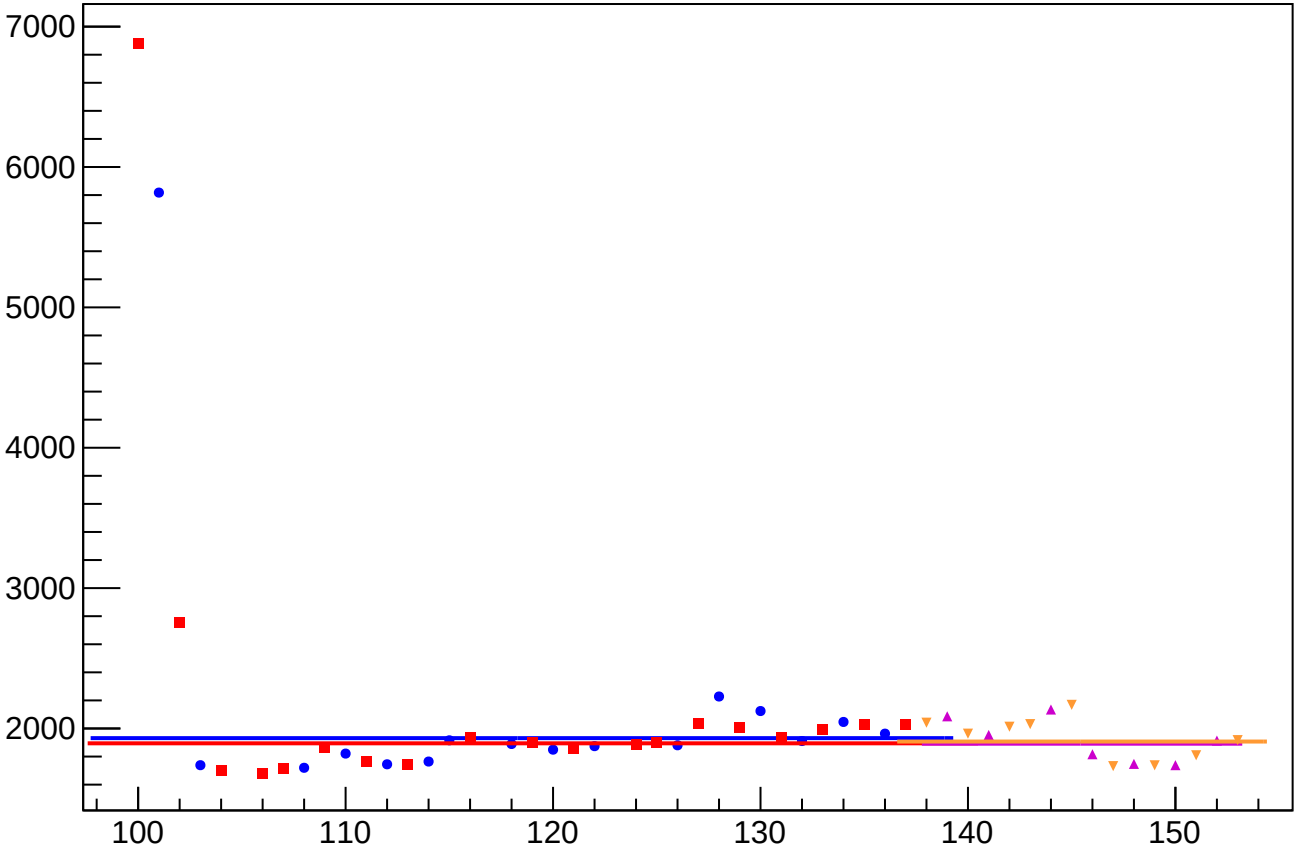
Left In: -2705.073+/-766.023 χ^2/NDF:14.4/6

+ sign 2117.608+/-515.083 χ^2/NDF: 23.1/24

All: -225.863+/-365.708 χ^2/NDF: 92.5/50

- sign -2608.053+/-519.321 χ^2/NDF: 27.7/25

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1907.001+/-0.511 χ^2/NDF:77915.4/8

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

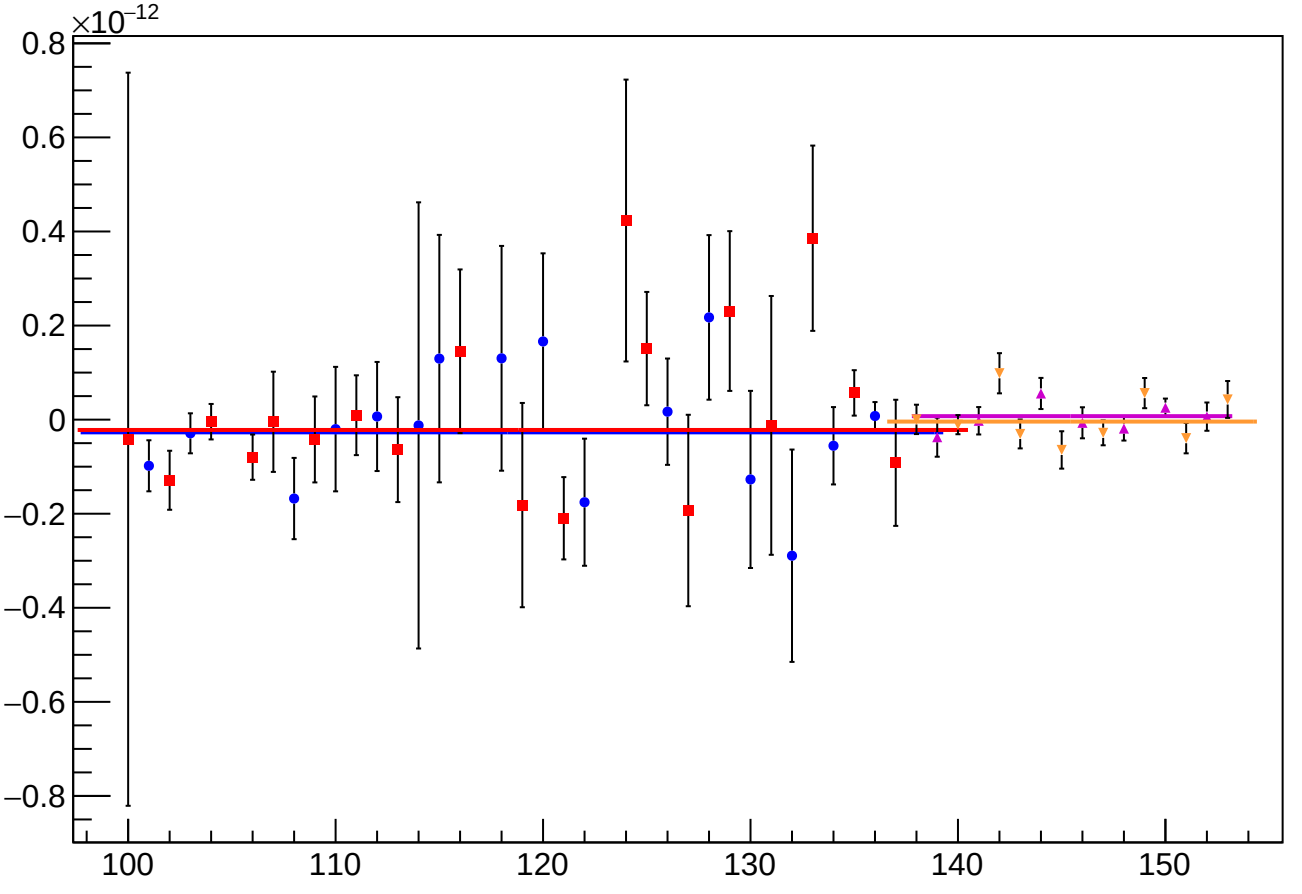
Left In: 1891.684+/-0.542 χ^2/NDF:68496.5/6

+ sign 1918.907+/-0.364 χ^2/NDF: 740250.3/24

All: 1906.121+/-0.259 χ^2/NDF: 1031786.0/50

- sign 1893.124+/-0.367 χ^2/NDF: 289050.6/25

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/8

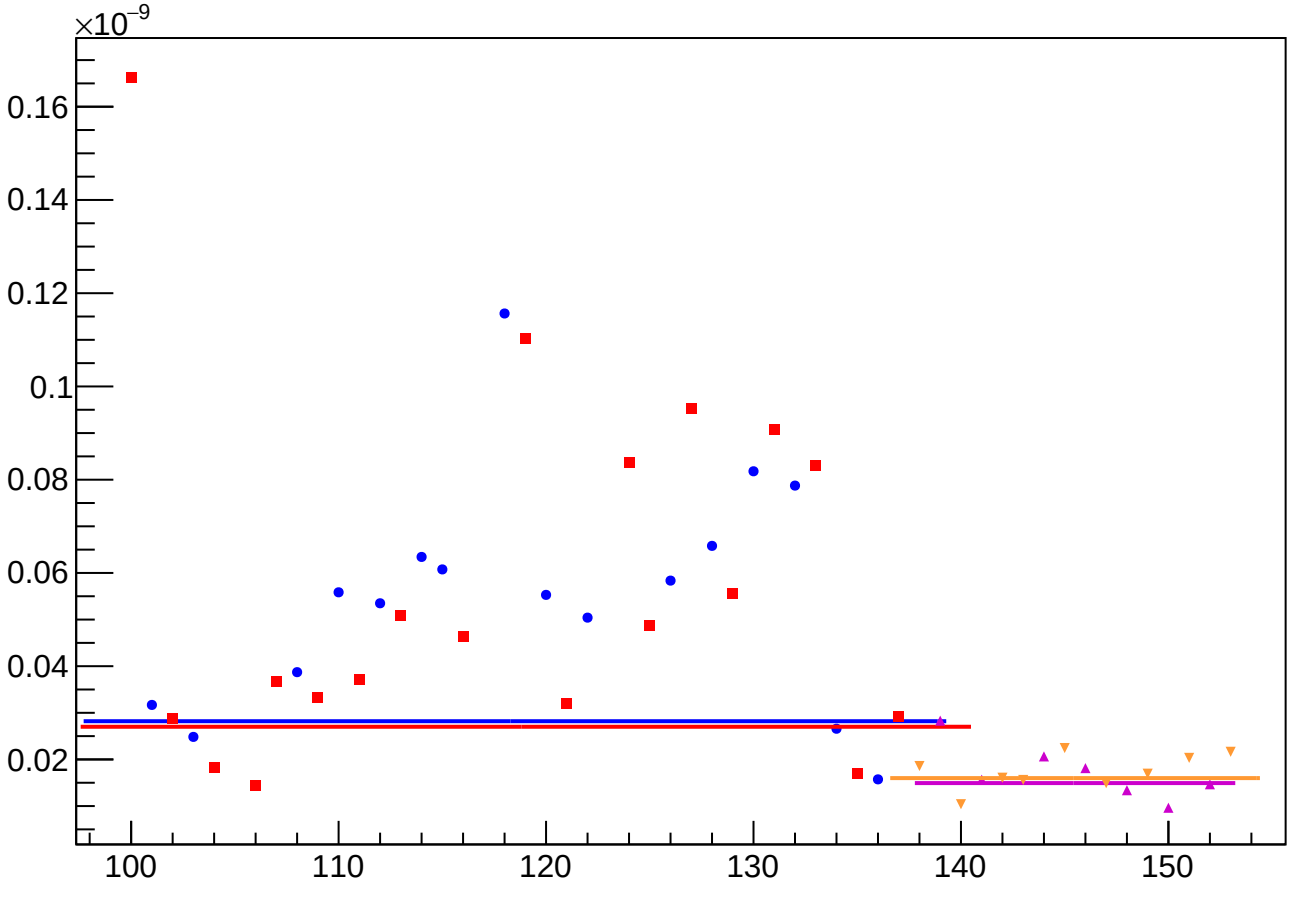
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/24

All: -0.000+/-0.000 χ^2/NDF: 63.1/50

- sign 0.000+/-0.000 χ^2/NDF: 32.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:301524.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

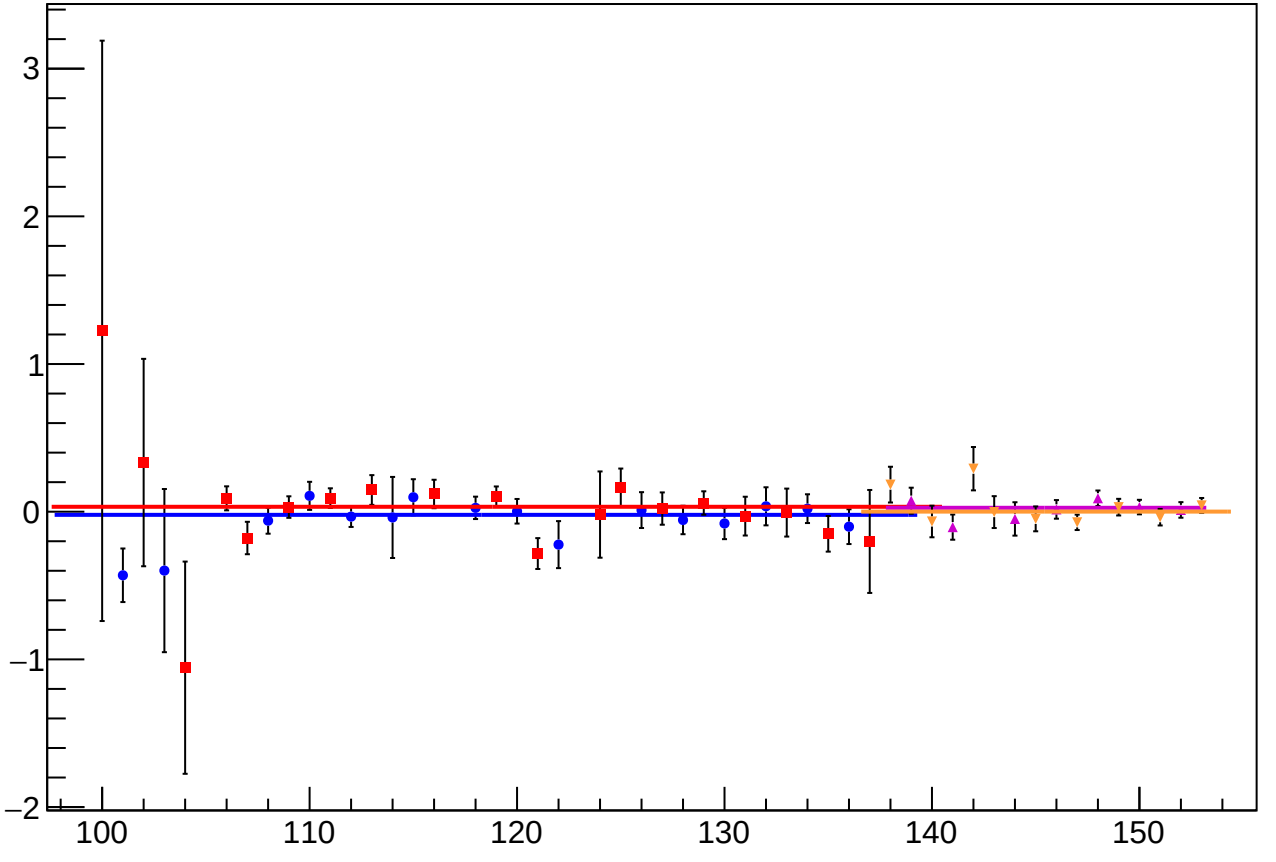
Left In: 0.000+/-0.000 χ^2/NDF:444596.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 2425135.3/24

All: 0.000+/-0.000 χ^2/NDF: 5035803.7/50

- sign 0.000+/-0.000 χ^2/NDF: 2599636.4/25

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.3/8

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

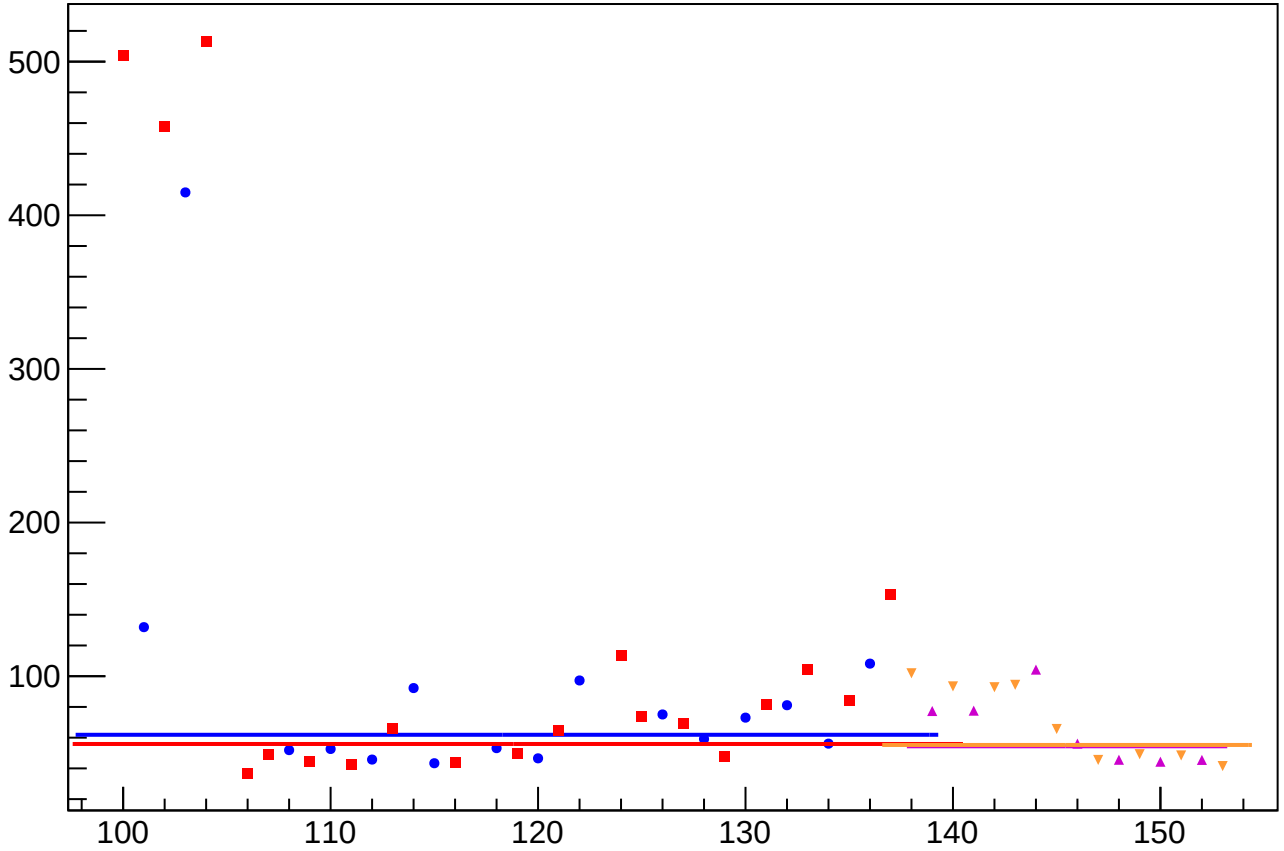
Left In: 0.026+/-0.024 χ^2/NDF:4.7/6

+ sign -0.009+/-0.018 χ^2/NDF: 22.7/24

All: 0.011+/-0.012 χ^2/NDF: 54.3/50

- sign 0.030+/-0.017 χ^2/NDF: 29.1/25

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 55.252+/-0.017 χ^2/NDF:1247301.3/8

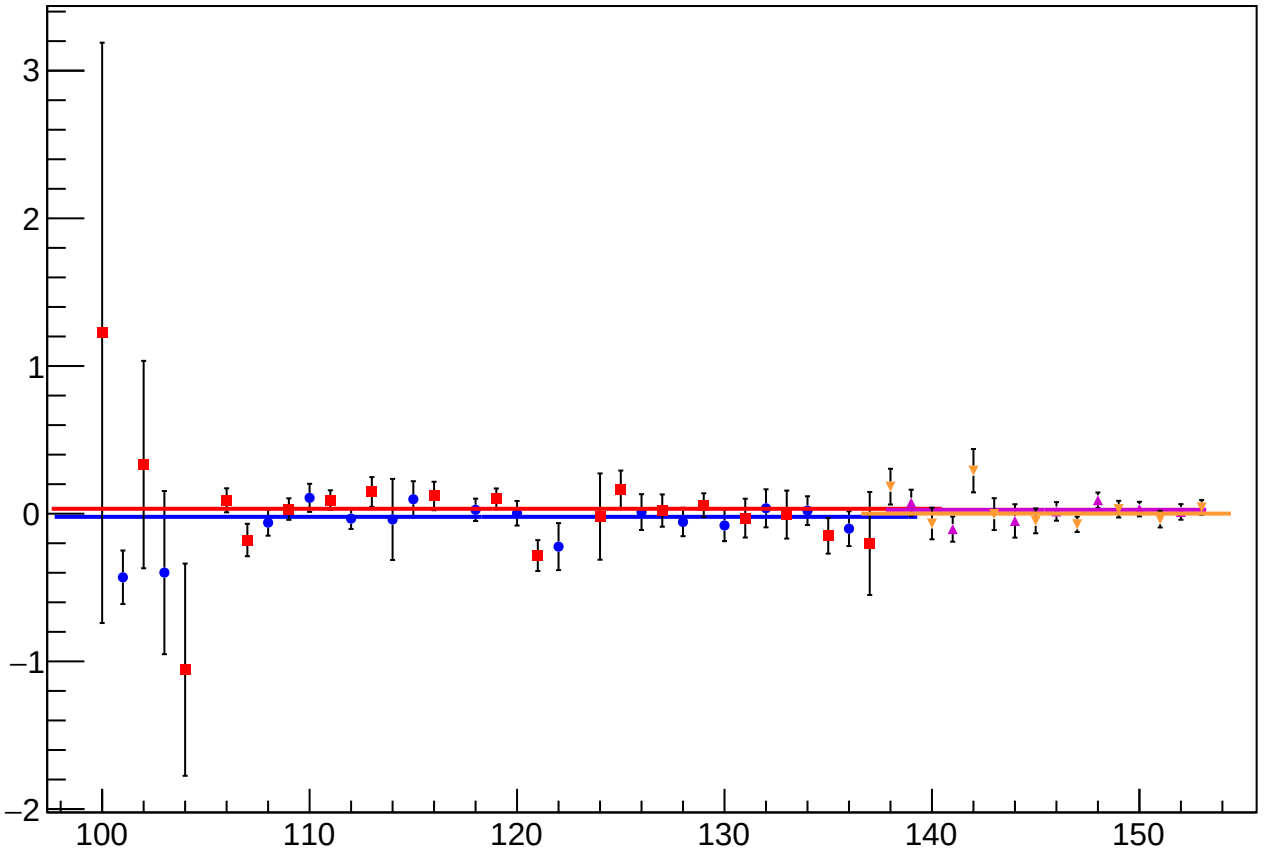
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.383+/-0.017 χ^2/NDF:871259.4/6

+ sign 58.147+/-0.012 χ^2/NDF: 3255291.7/24

All: 56.600+/-0.009 χ^2/NDF: 6752082.6/50

- sign 55.118+/-0.012 χ^2/NDF: 3466364.9/25



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.3/8

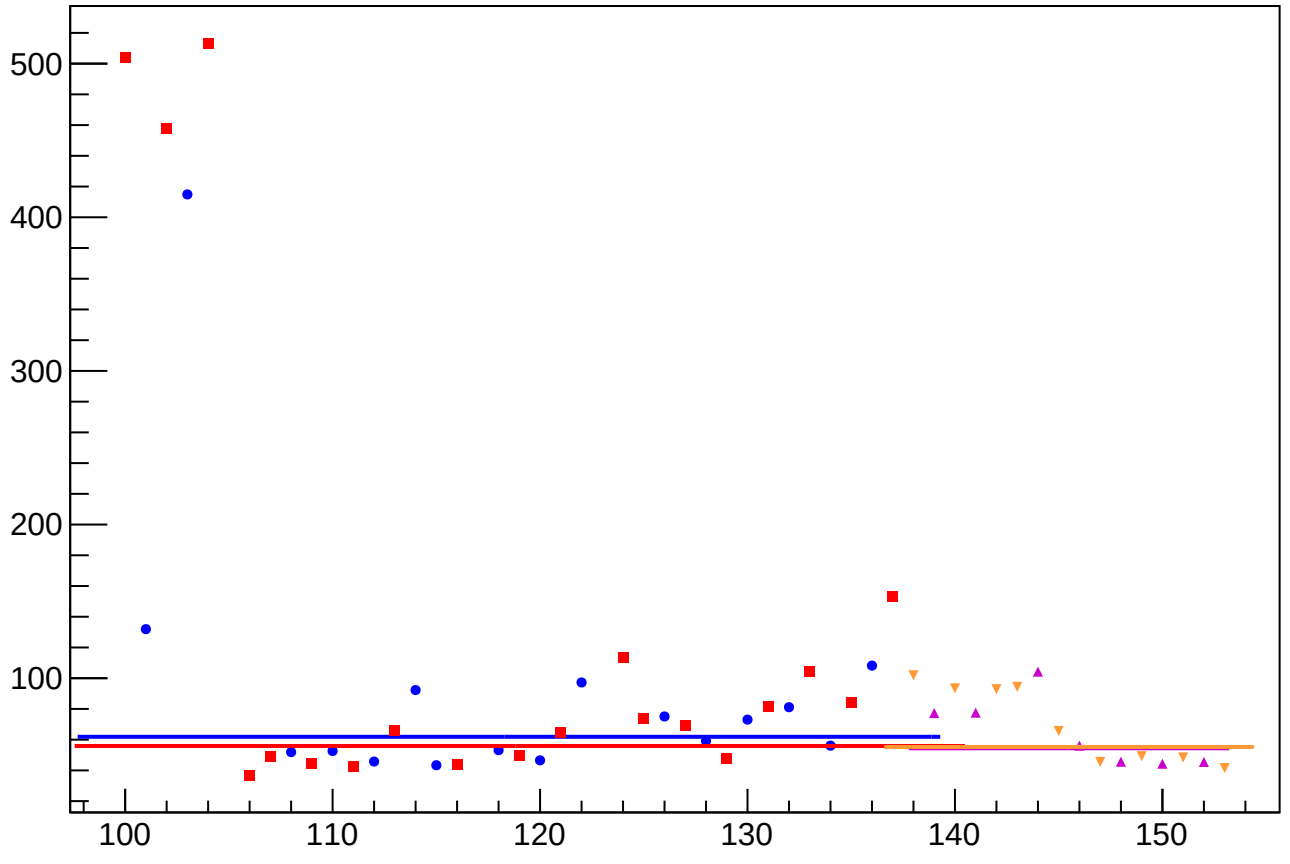
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.026+/-0.024 χ^2/NDF:4.7/6

\+ sign -0.009+/-0.018 χ^2/NDF: 22.7/24

All: 0.011+/-0.012 χ^2/NDF: 54.3/50

\- sign 0.030+/-0.017 χ^2/NDF: 29.1/25



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 55.252+/-0.017 χ^2/NDF:1247301.3/8

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

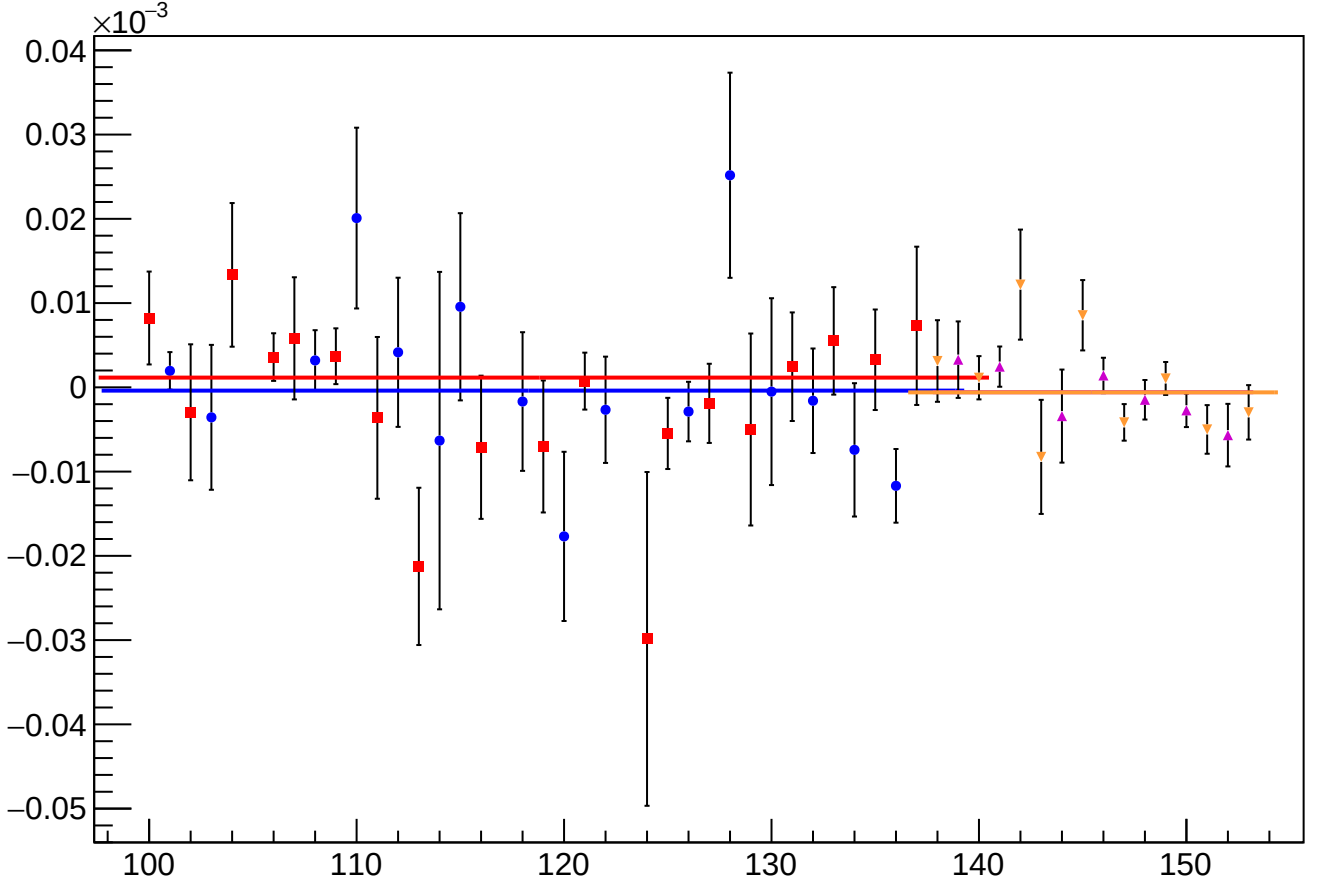
Left In: 54.383+/-0.017 χ^2/NDF:871259.4/6

+ sign 58.147+/-0.012 χ^2/NDF: 3255291.7/24

All: 56.600+/-0.009 χ^2/NDF: 6752082.6/50

- sign 55.118+/-0.012 χ^2/NDF: 3466364.9/25

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.2/8

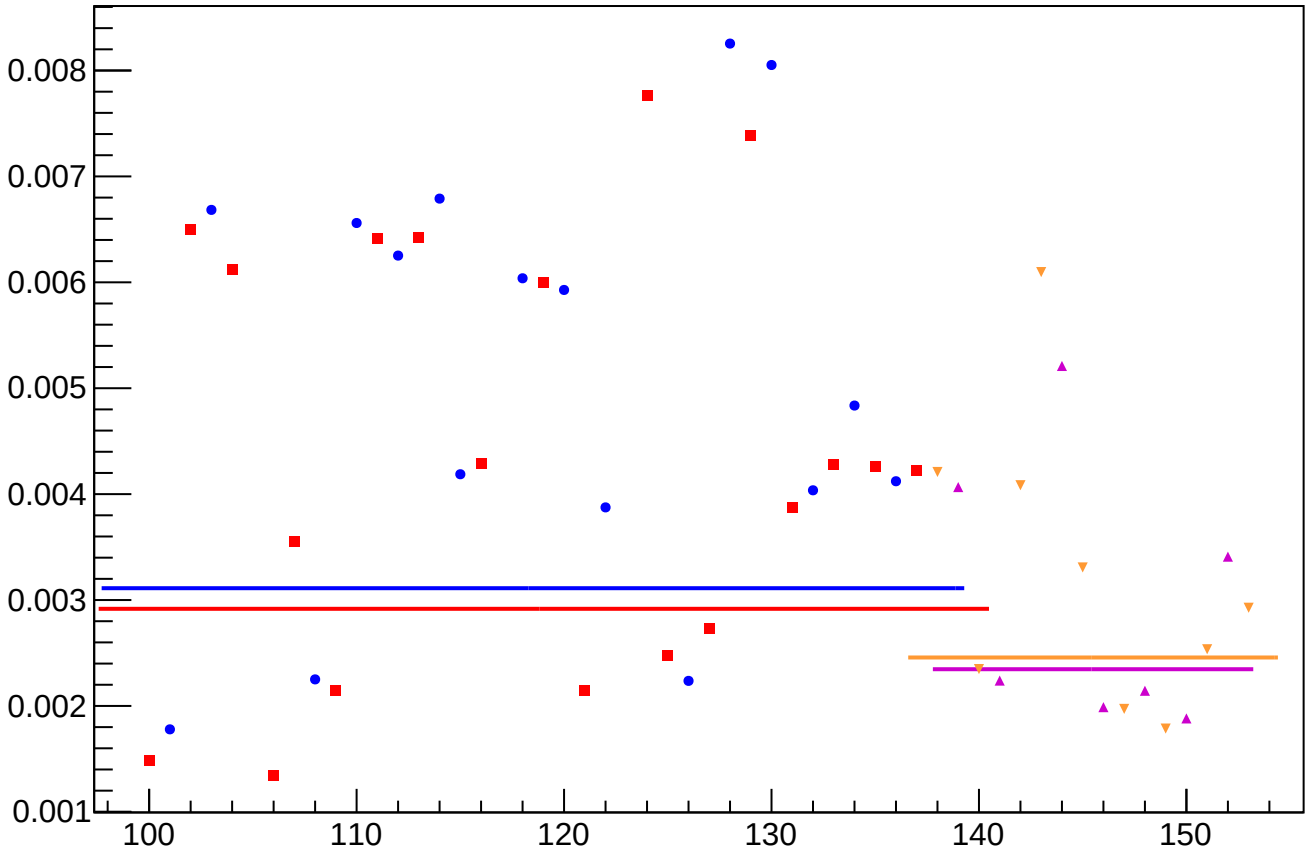
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 39.8/24

All: -0.000+/-0.000 χ^2/NDF: 68.4/50

- sign 0.000+/-0.000 χ^2/NDF: 28.3/25



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:1429737.5/8

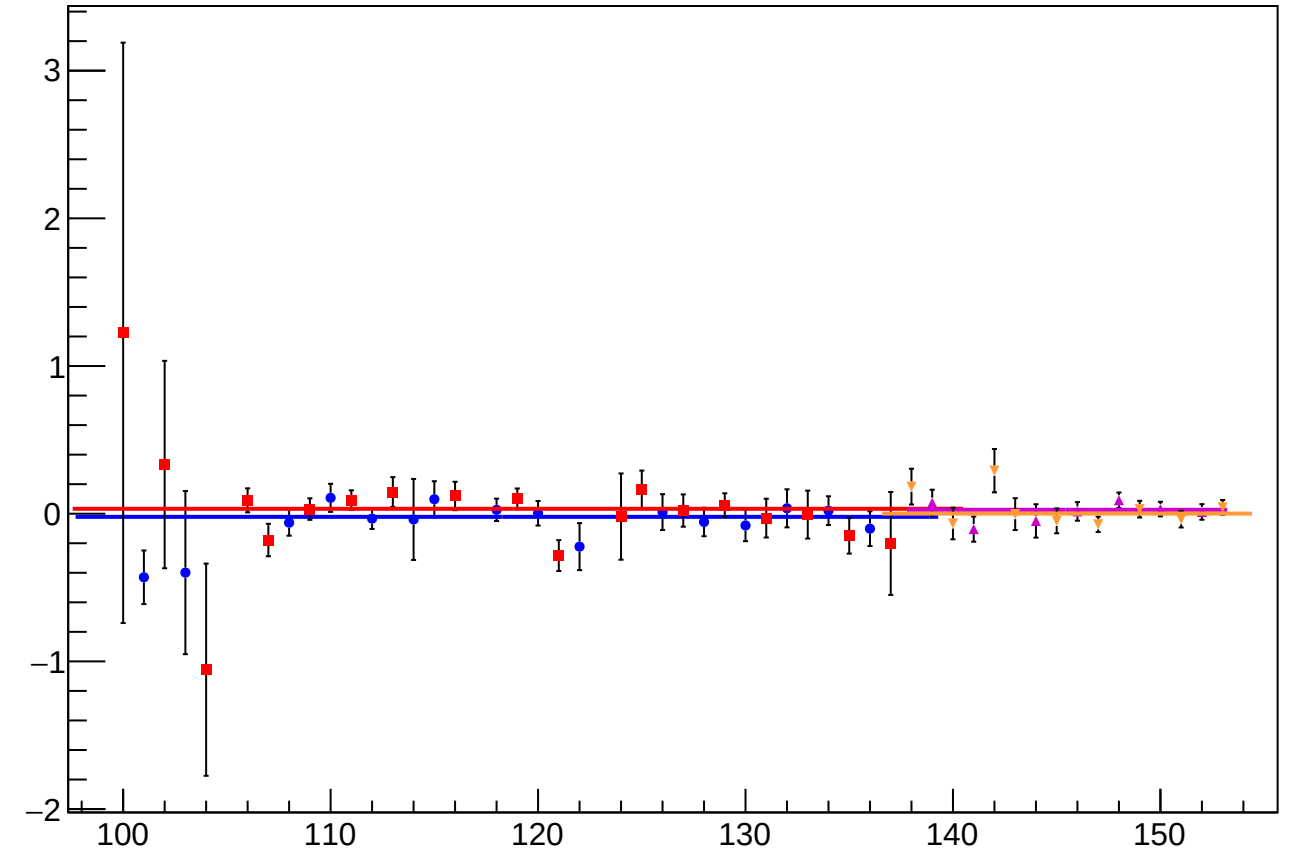
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1174960.8/6

+ sign 0.003+/-0.000 χ^2/NDF: 5020948.1/24

All: 0.003+/-0.000 χ^2/NDF: 9768676.4/50

- sign 0.003+/-0.000 χ^2/NDF: 4722768.0/25



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.3/8

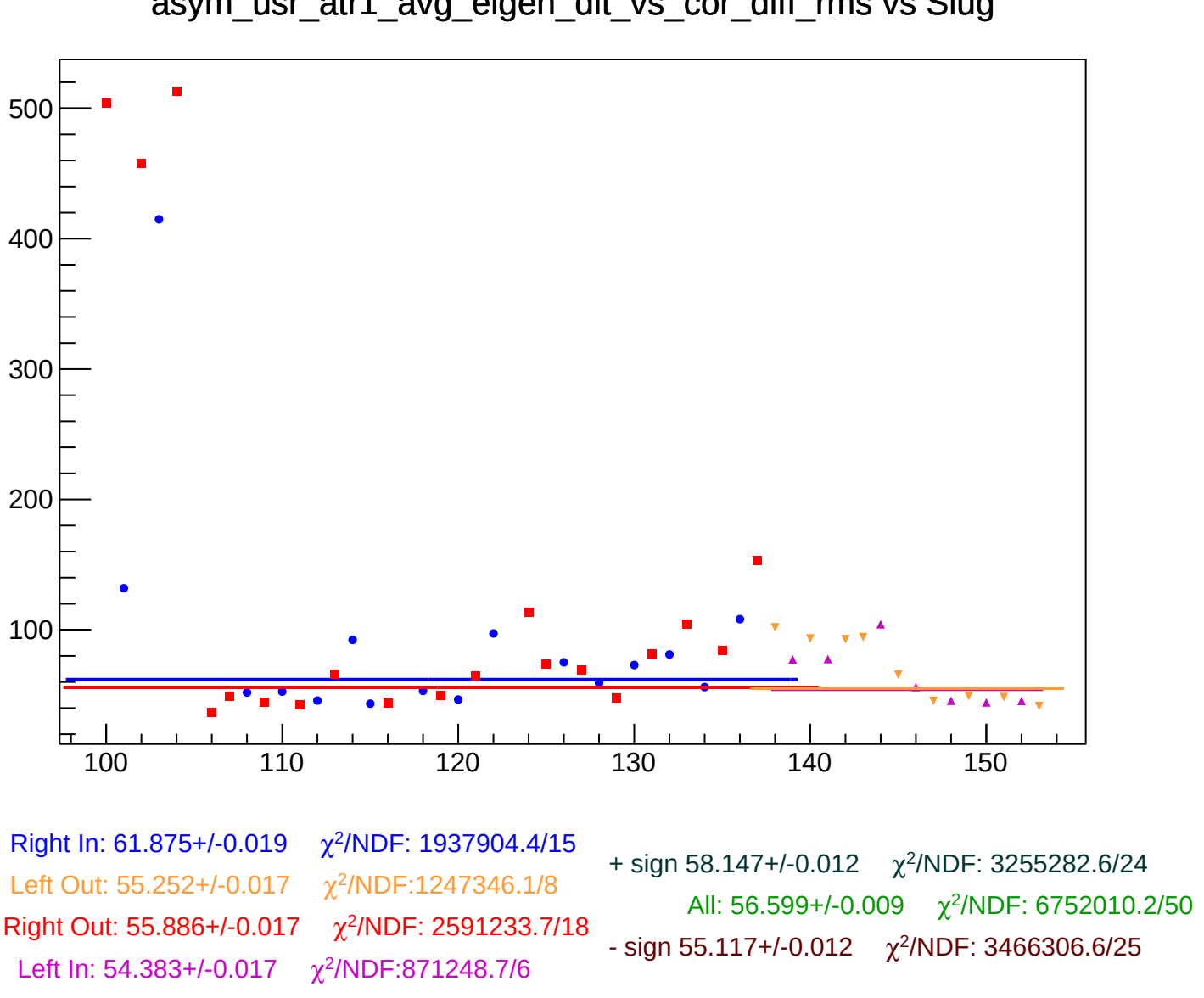
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.026+/-0.024 χ^2/NDF:4.7/6

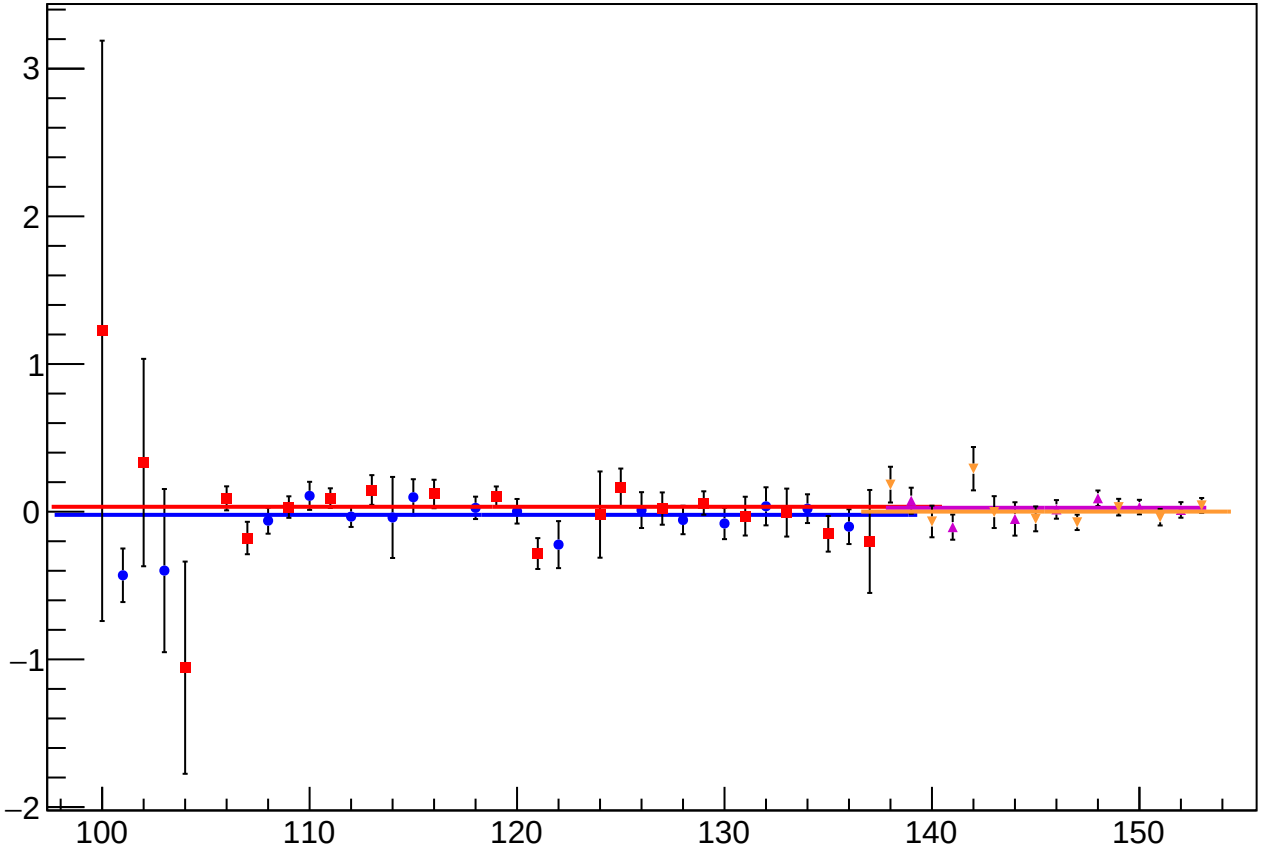
\+ sign -0.009+/-0.018 χ^2/NDF: 22.7/24

All: 0.011+/-0.012 χ^2/NDF: 54.3/50

\- sign 0.030+/-0.017 χ^2/NDF: 29.1/25


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
Right In: 61.875+/-0.019 χ²/NDF: 1937904.4/15
Left Out: 55.252+/-0.017 χ²/NDF:1247346.1/8
Right Out: 55.886+/-0.017 χ²/NDF: 2591233.7/18
Left In: 54.383+/-0.017 χ²/NDF:871248.7/6
+ sign 58.147+/-0.012 χ²/NDF: 3255282.6/24
All: 56.599+/-0.009 χ²/NDF: 6752010.2/50
- sign 55.117+/-0.012 χ²/NDF: 3466306.6/25

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.3/8

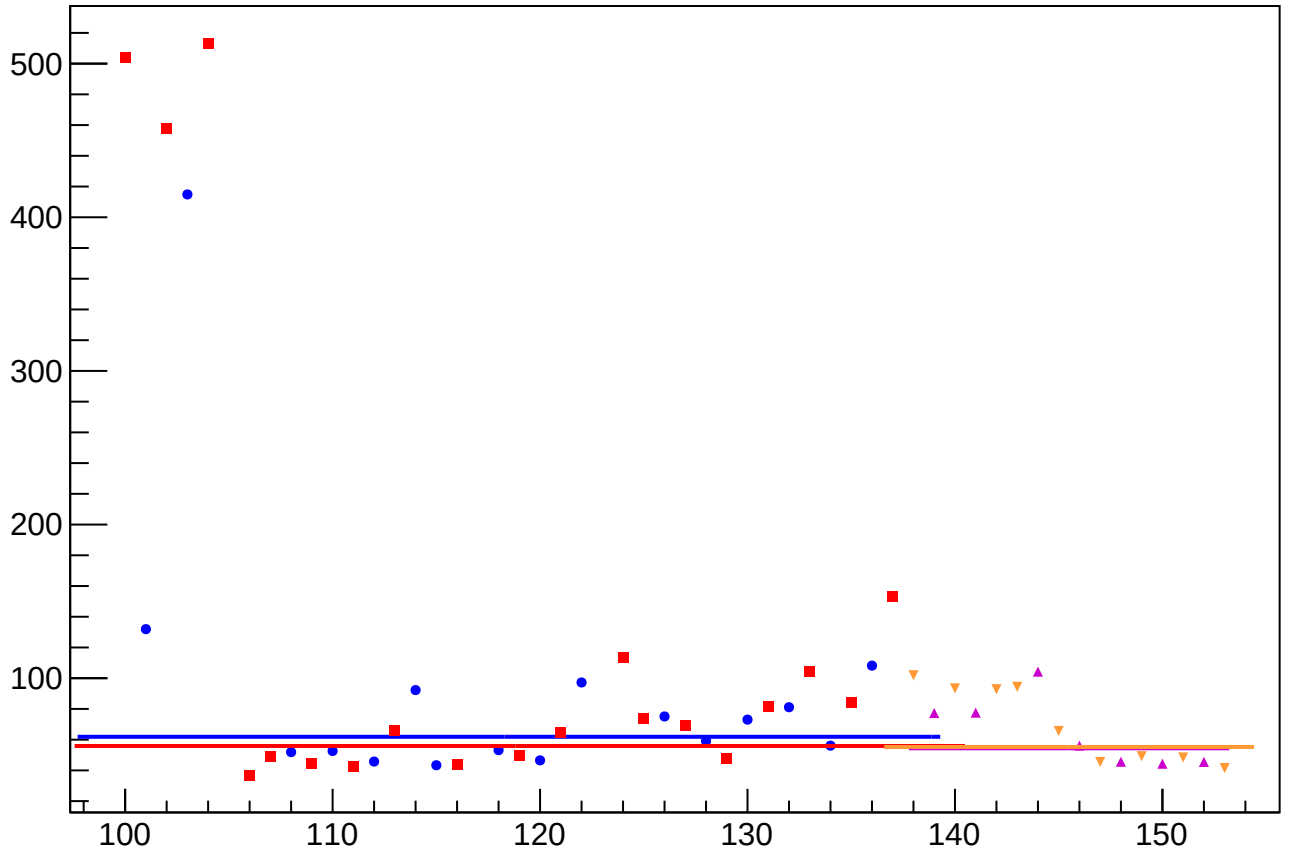
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.026+/-0.024 χ^2/NDF:4.7/6

+ sign -0.009+/-0.018 χ^2/NDF: 22.7/24

All: 0.011+/-0.012 χ^2/NDF: 54.3/50

- sign 0.030+/-0.017 χ^2/NDF: 29.1/25



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 55.252+/-0.017 χ^2/NDF:1247346.1/8

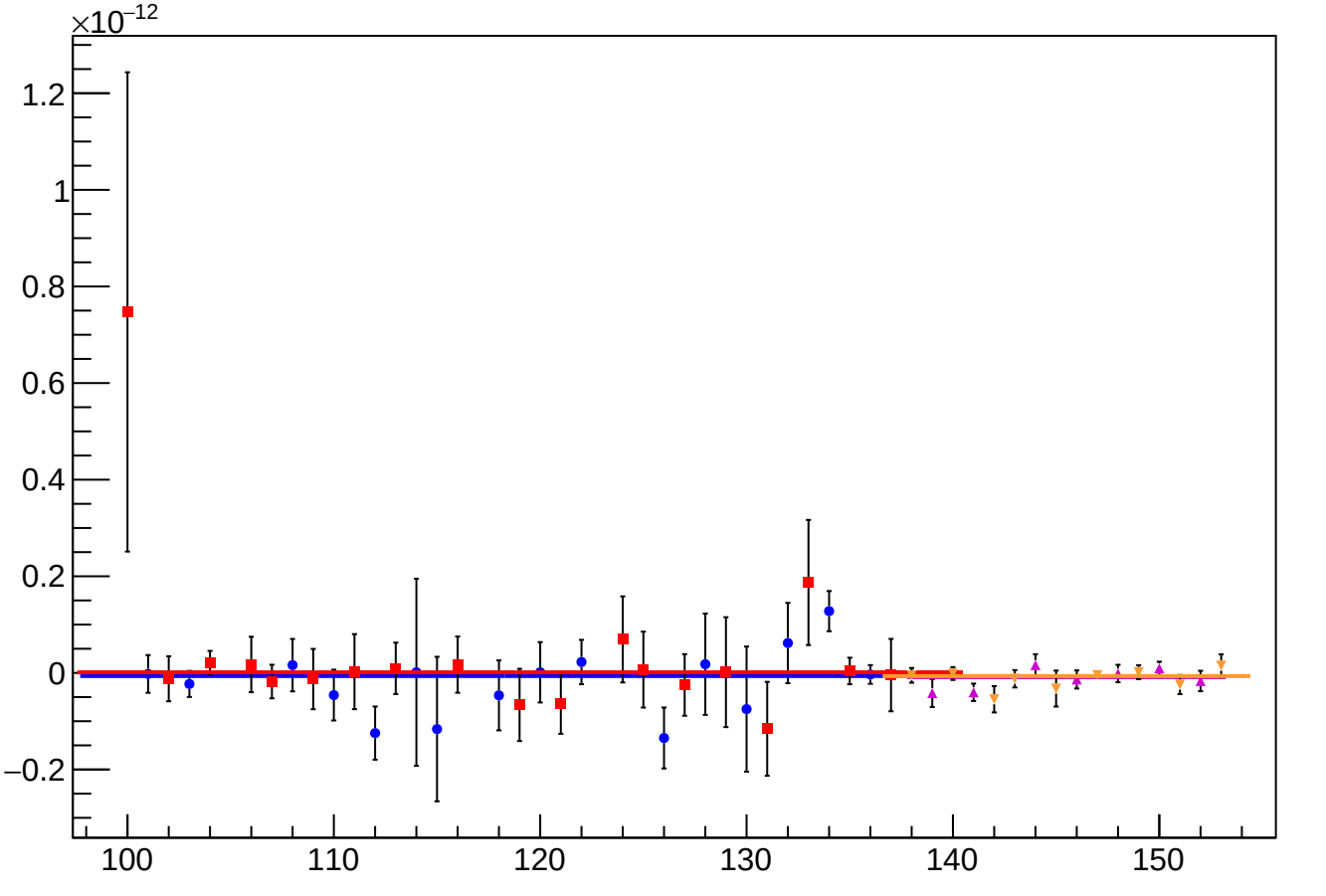
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.383+/-0.017 χ^2/NDF:871248.7/6

+ sign 58.147+/-0.012 χ^2/NDF: 3255282.6/24

All: 56.599+/-0.009 χ^2/NDF: 6752010.2/50

- sign 55.117+/-0.012 χ^2/NDF: 3466306.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/8

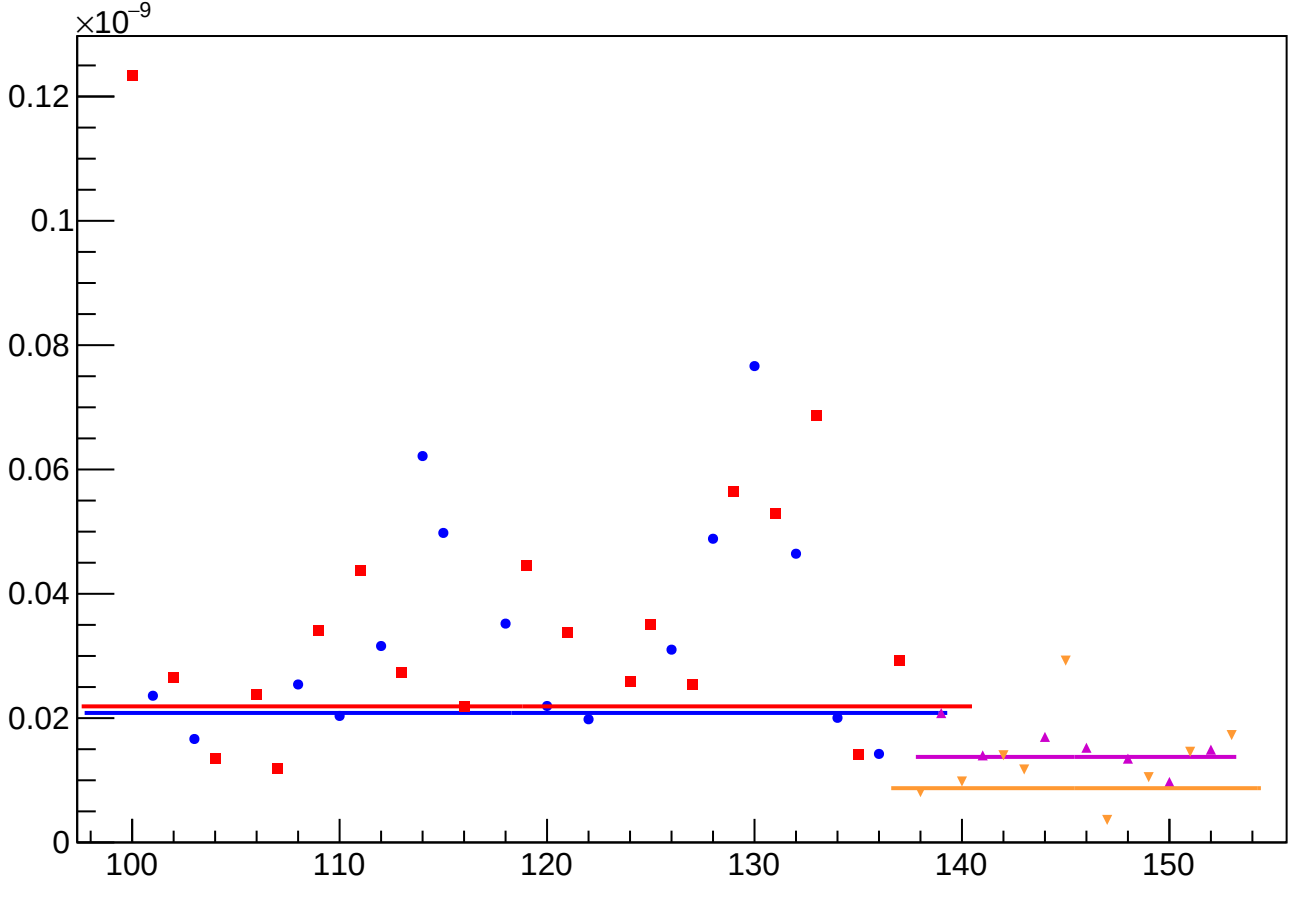
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 28.4/24

All: -0.000+/-0.000 χ^2/NDF: 46.3/50

- sign -0.000+/-0.000 χ^2/NDF: 17.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1973752.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

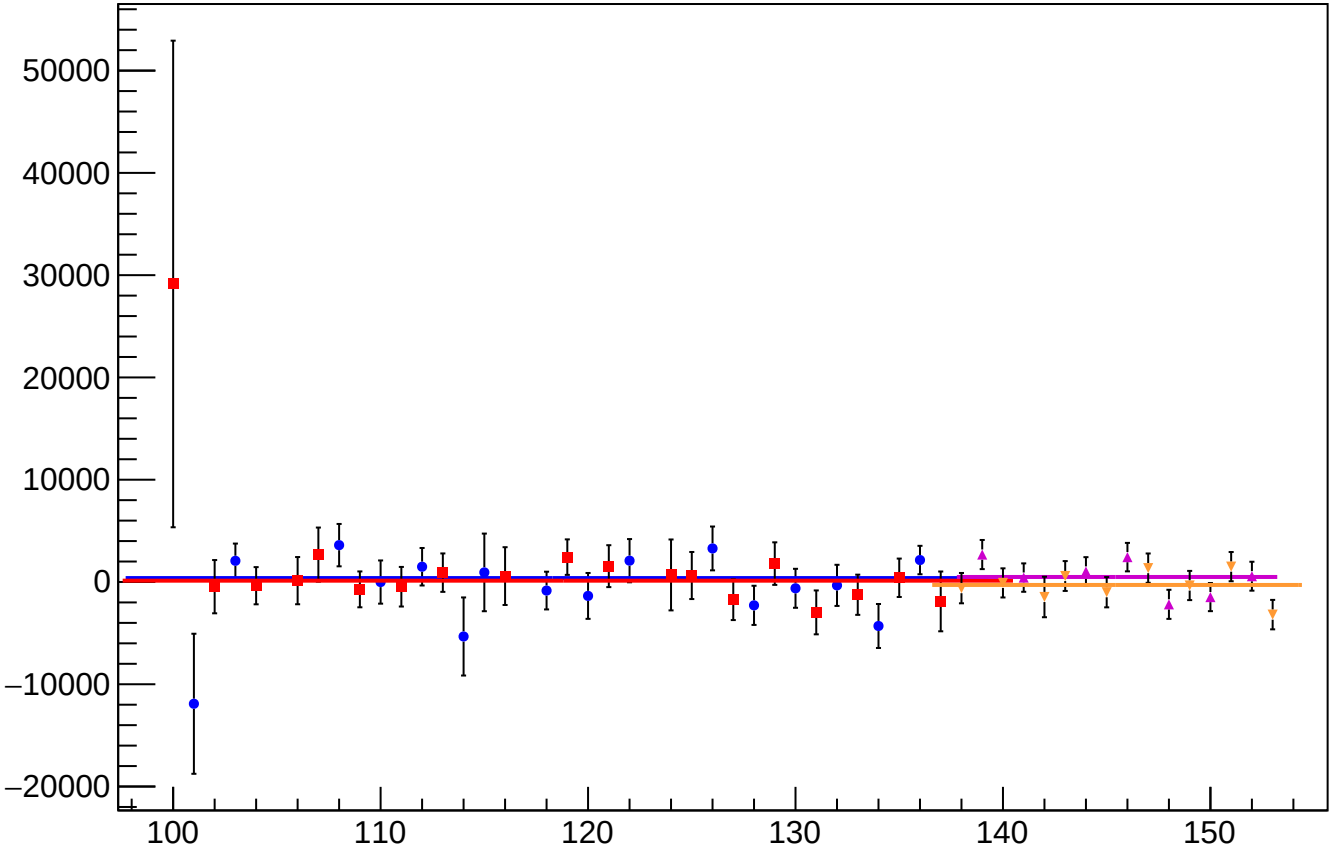
Left In: 0.000+/-0.000 χ^2/NDF:351733.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 5270201.7/24

All: 0.000+/-0.000 χ^2/NDF: 9111041.8/50

- sign 0.000+/-0.000 χ^2/NDF: 2945215.8/25

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -291.279+/-495.157 χ^2/NDF:8.0/8

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

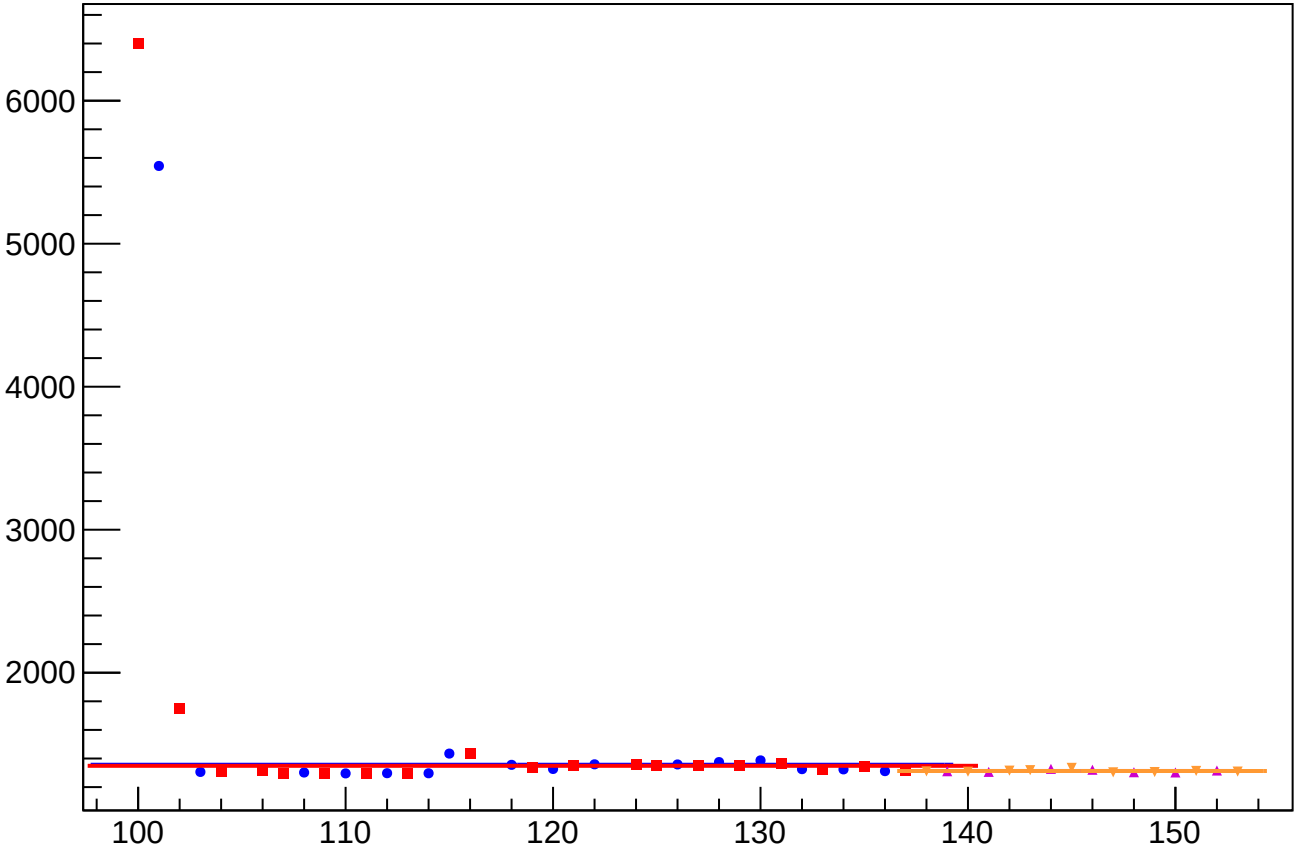
Left In: 489.386+/-529.841 χ^2/NDF:10.1/6

+ sign 30.040+/-357.862 χ^2/NDF: 30.4/24

All: 162.002+/-255.198 χ^2/NDF: 50.9/50

- sign 298.548+/-364.025 χ^2/NDF: 20.3/25

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1312.655+/-0.350 χ^2/NDF:657.6/8

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

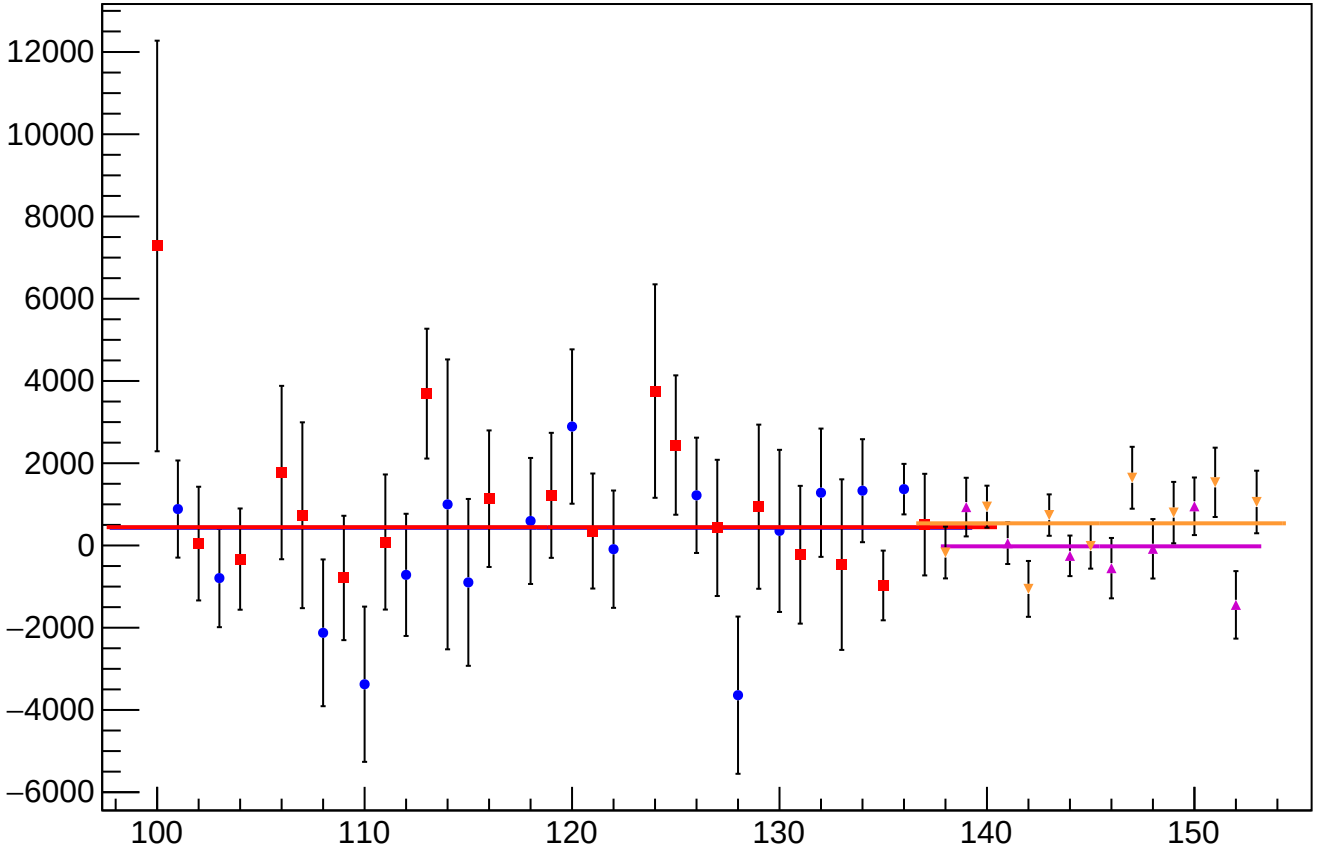
Left In: 1312.823+/-0.375 χ^2/NDF:537.3/6

+ sign 1333.549+/-0.253 χ^2/NDF: 768379.3/24

All: 1332.744+/-0.180 χ^2/NDF: 921118.8/50

- sign 1331.910+/-0.257 χ^2/NDF: 152718.9/25

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 538.721+/-210.945 χ^2/NDF:12.7/8

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

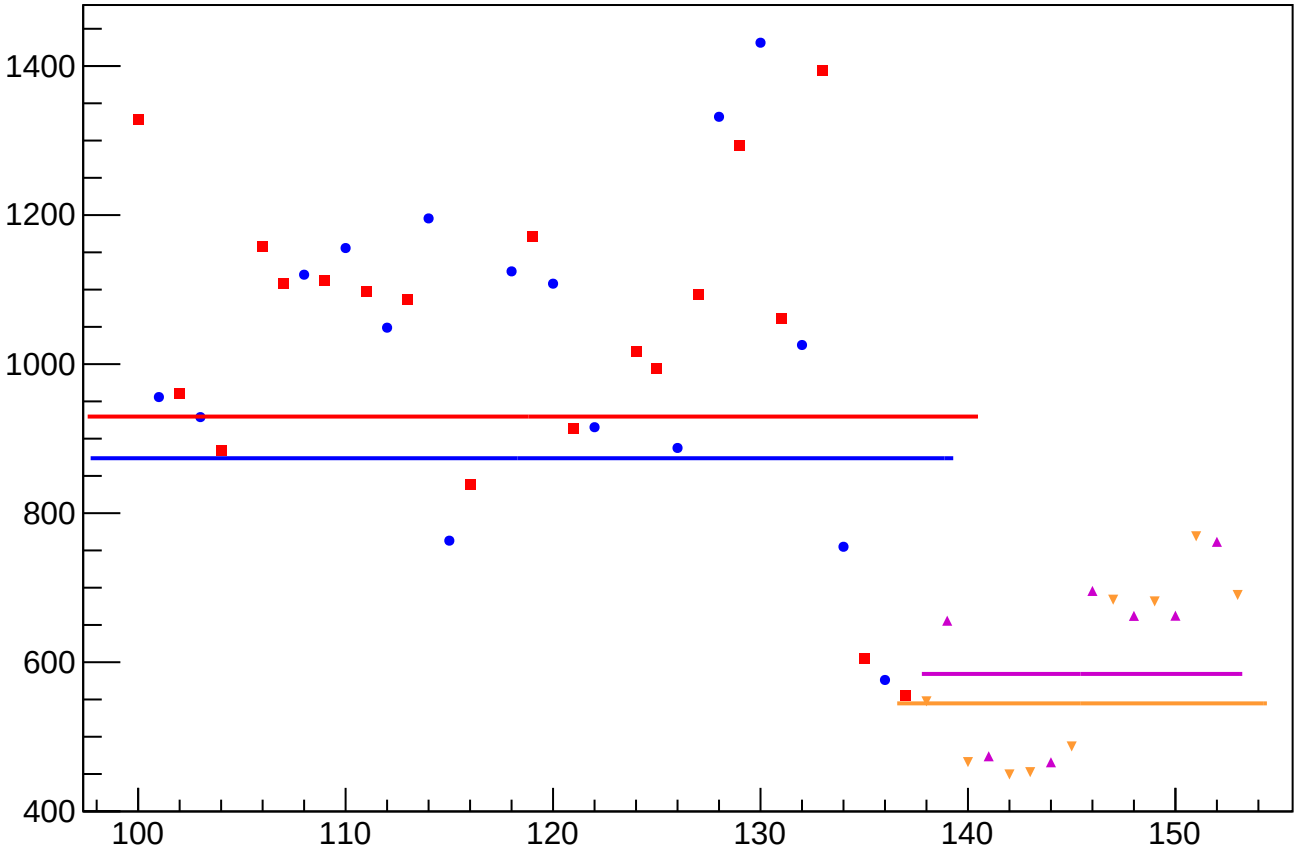
Left In: -20.977+/-240.606 χ^2/NDF:7.5/6

+ sign 508.406+/-179.022 χ^2/NDF: 31.0/24

All: 337.270+/-133.174 χ^2/NDF: 56.1/50

- sign 125.222+/-199.275 χ^2/NDF: 23.1/25

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 544.772+/-0.149 χ^2/NDF:526546.6/8

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

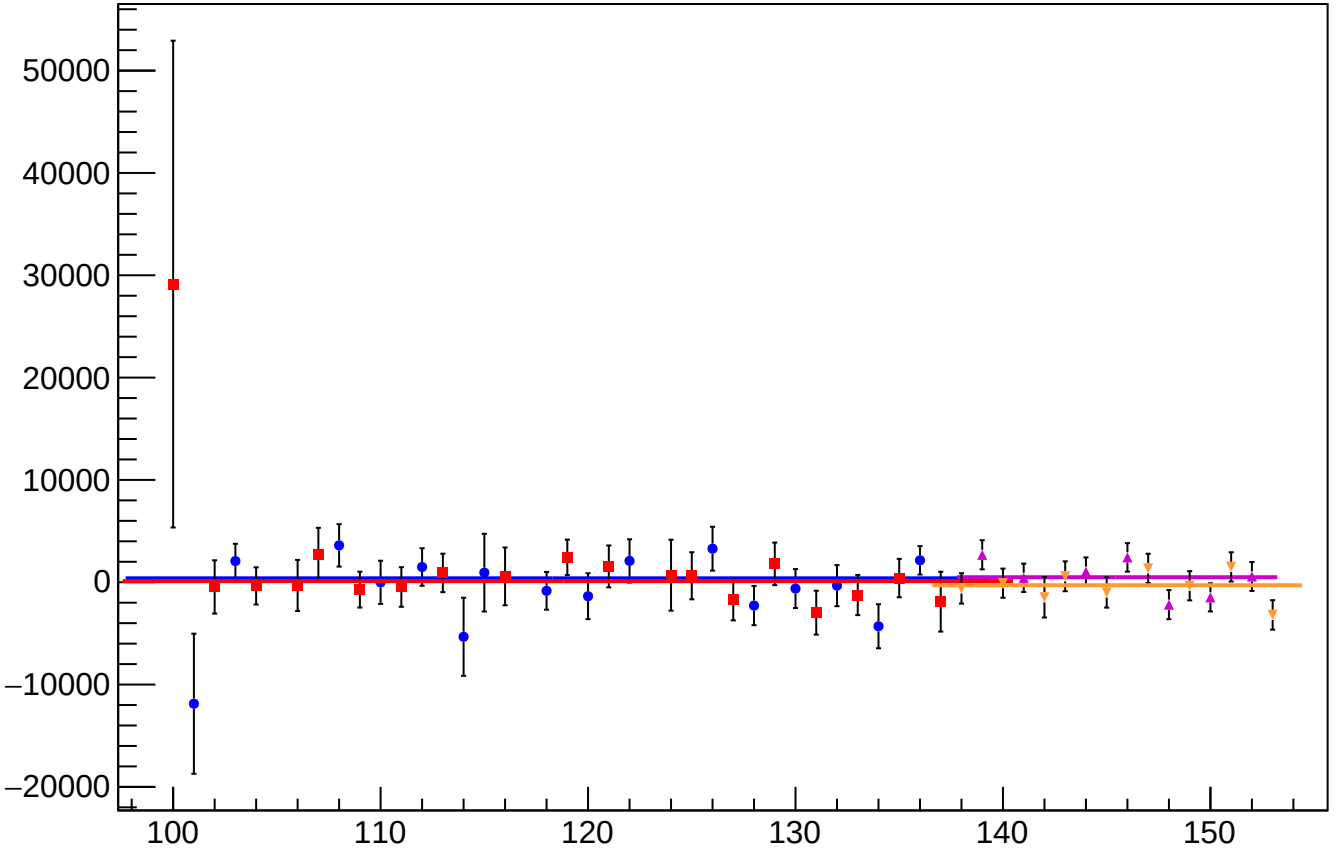
Left In: 584.290+/-0.170 χ^2/NDF:418417.1/6

+ sign 636.805+/-0.127 χ^2/NDF: 2902149.1/24

All: 661.789+/-0.094 χ^2/NDF: 5561691.2/50

- sign 692.745+/-0.141 χ^2/NDF: 2572325.3/25

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -291.319+/-495.157 χ^2/NDF:8.0/8

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

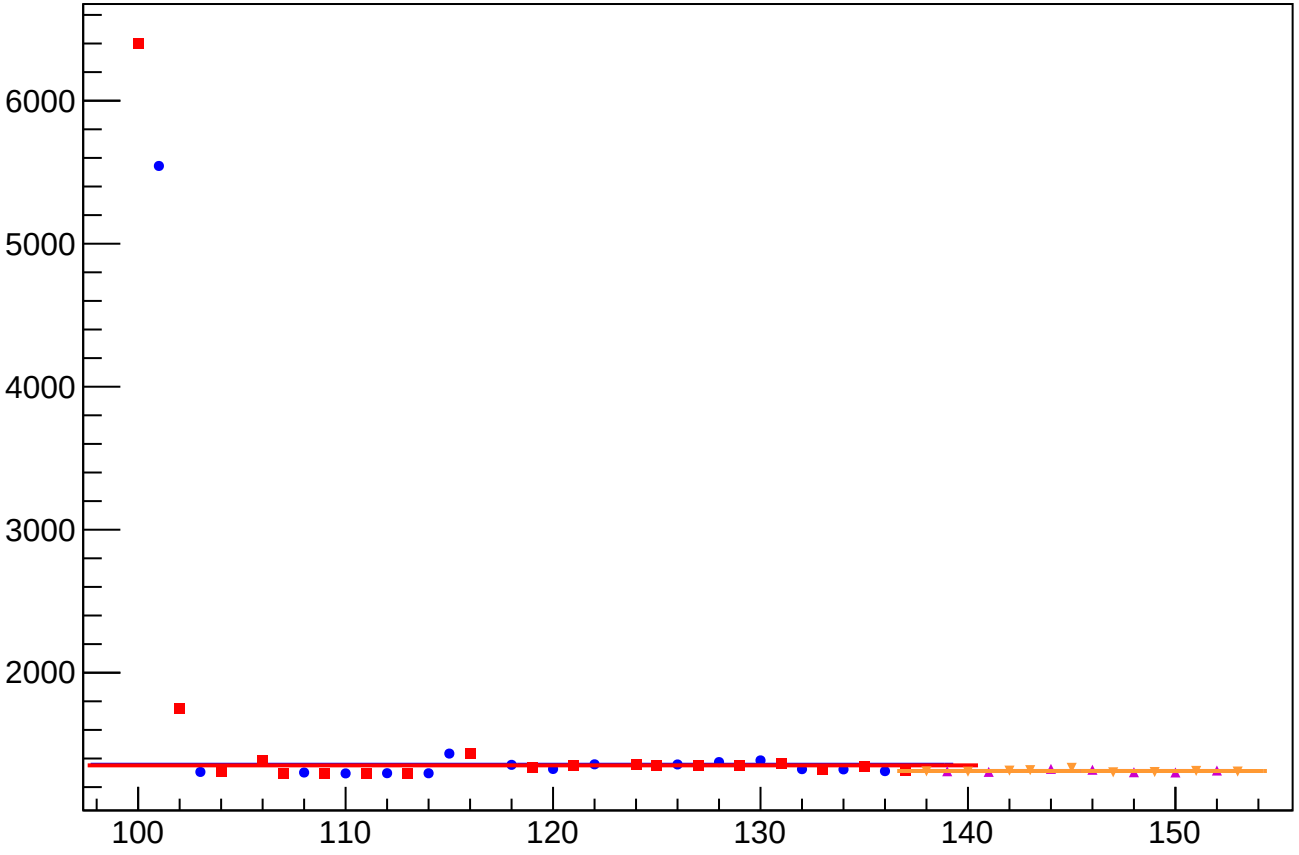
Left In: 489.460+/-529.841 χ^2/NDF:10.1/6

+ sign 30.166+/-357.862 χ^2/NDF: 30.3/24

All: 157.588+/-255.423 χ^2/NDF: 50.9/50

- sign 289.910+/-364.679 χ^2/NDF: 20.3/25

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.655+/-0.350 χ^2/NDF:657.6/8

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

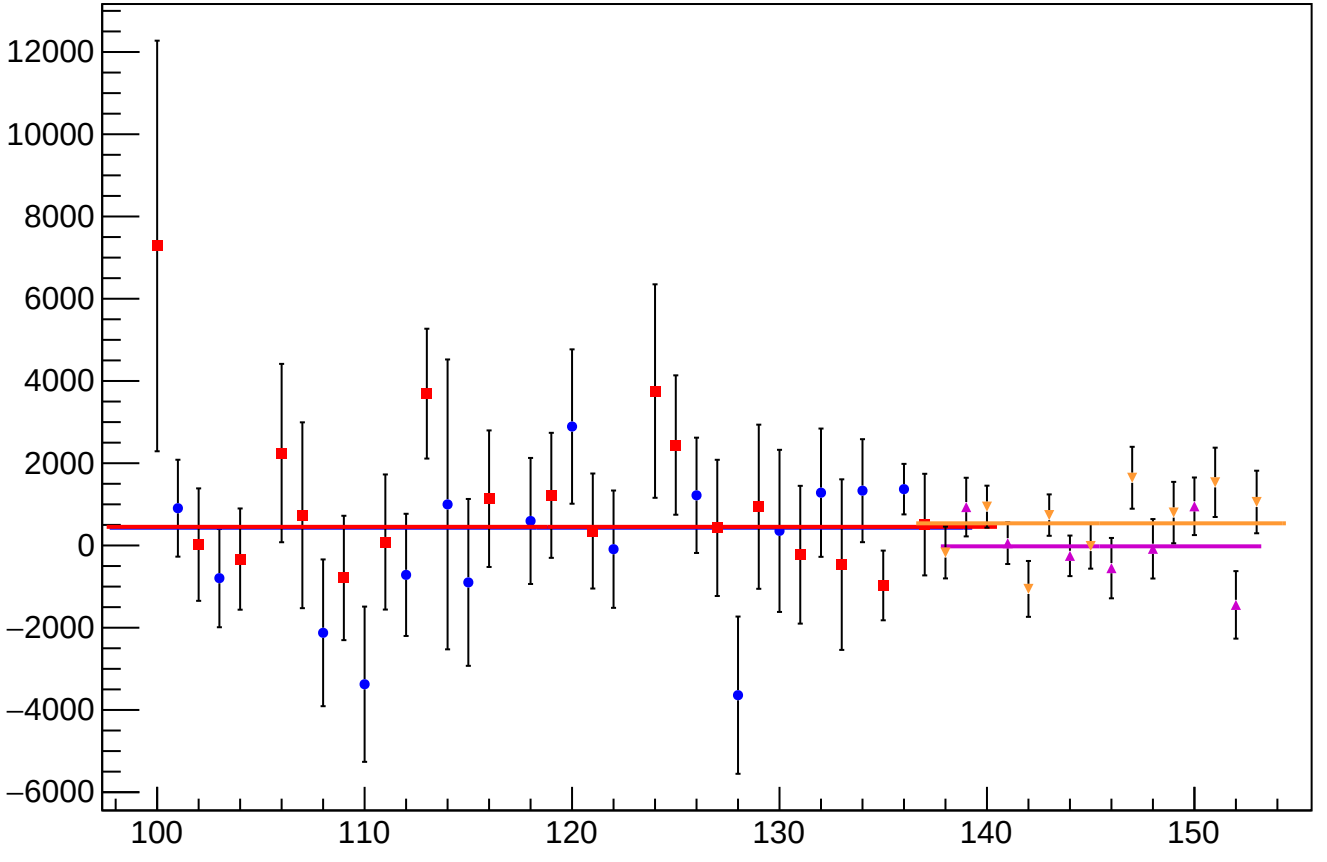
Left In: 1312.823+/-0.375 χ^2/NDF:537.3/6

+ sign 1333.549+/-0.253 χ^2/NDF: 768378.3/24

All: 1333.517+/-0.181 χ^2/NDF: 922021.3/50

- sign 1333.484+/-0.258 χ^2/NDF: 153643.0/25

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 538.656+/-210.947 χ^2/NDF:12.7/8

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

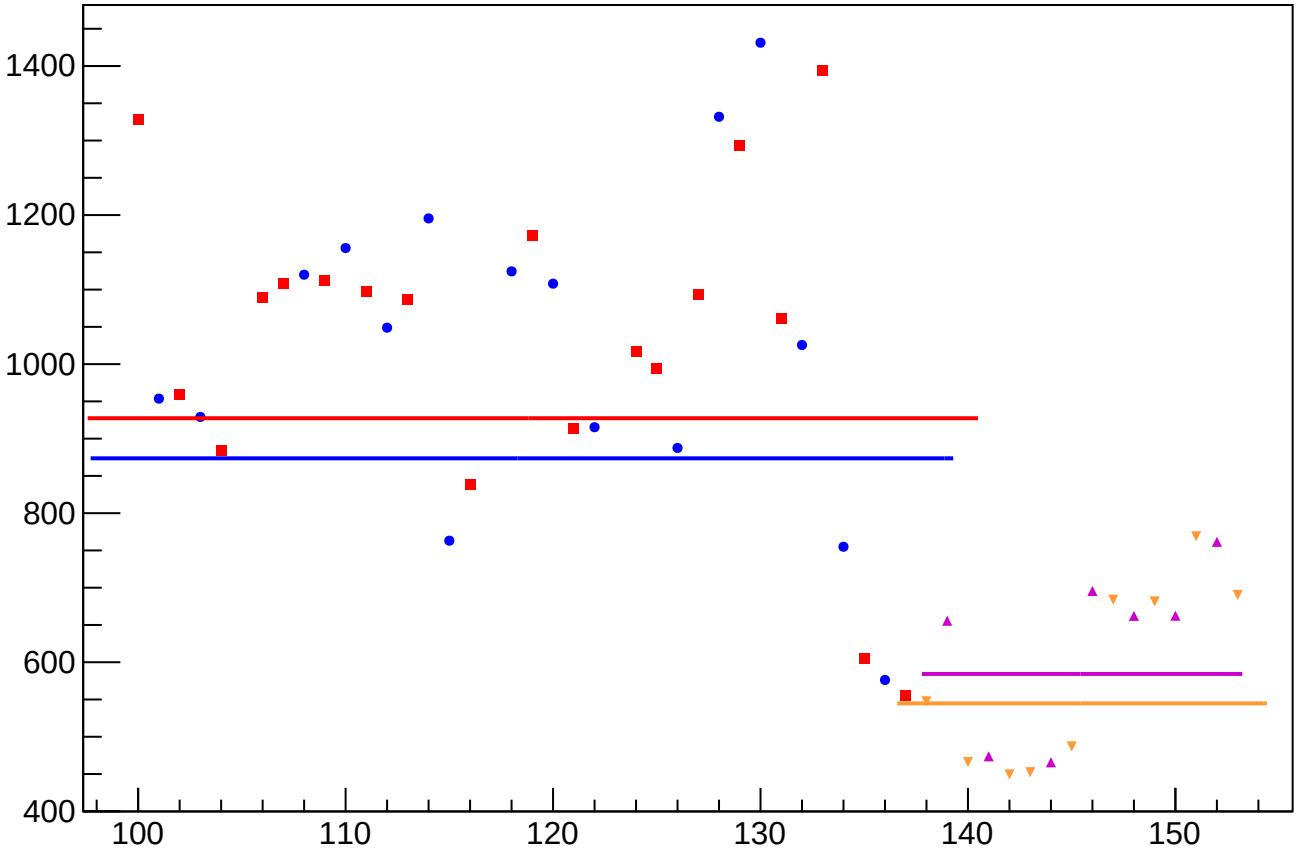
Left In: -20.986+/-240.603 χ^2/NDF:7.5/6

+ sign 508.847+/-179.014 χ^2/NDF: 31.0/24

All: 338.706+/-133.171 χ^2/NDF: 56.5/50

- sign 127.875+/-199.274 χ^2/NDF: 23.4/25

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 544.777+/-0.149 χ^2/NDF:526537.0/8

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

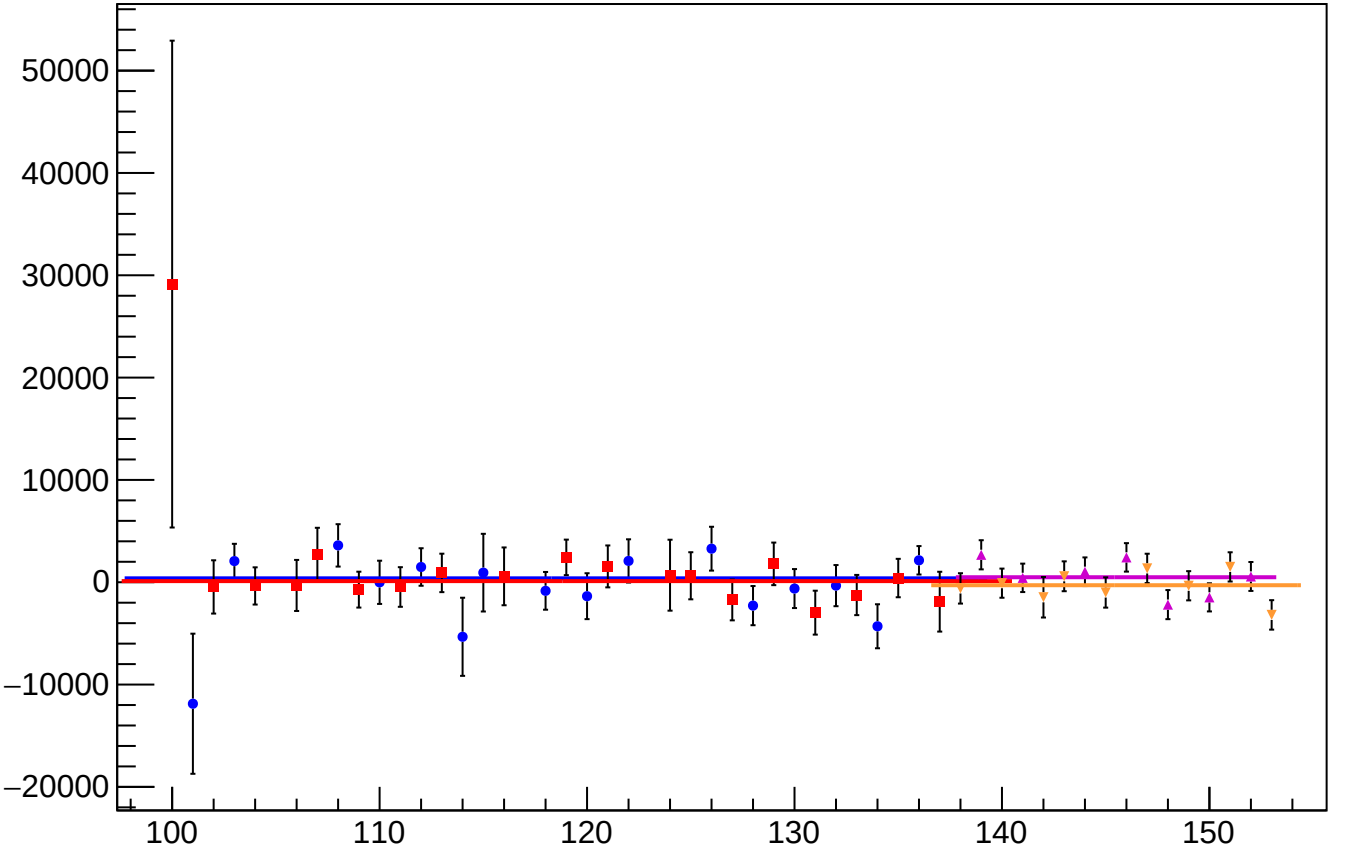
Left In: 584.281+/-0.170 χ^2/NDF:418458.9/6

\+ sign 636.796+/-0.127 χ^2/NDF: 2900928.1/24

All: 661.465+/-0.094 χ^2/NDF: 5529190.4/50

\- sign 692.035+/-0.141 χ^2/NDF: 2543214.4/25

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -291.319+/-495.157 χ^2/NDF:8.0/8

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

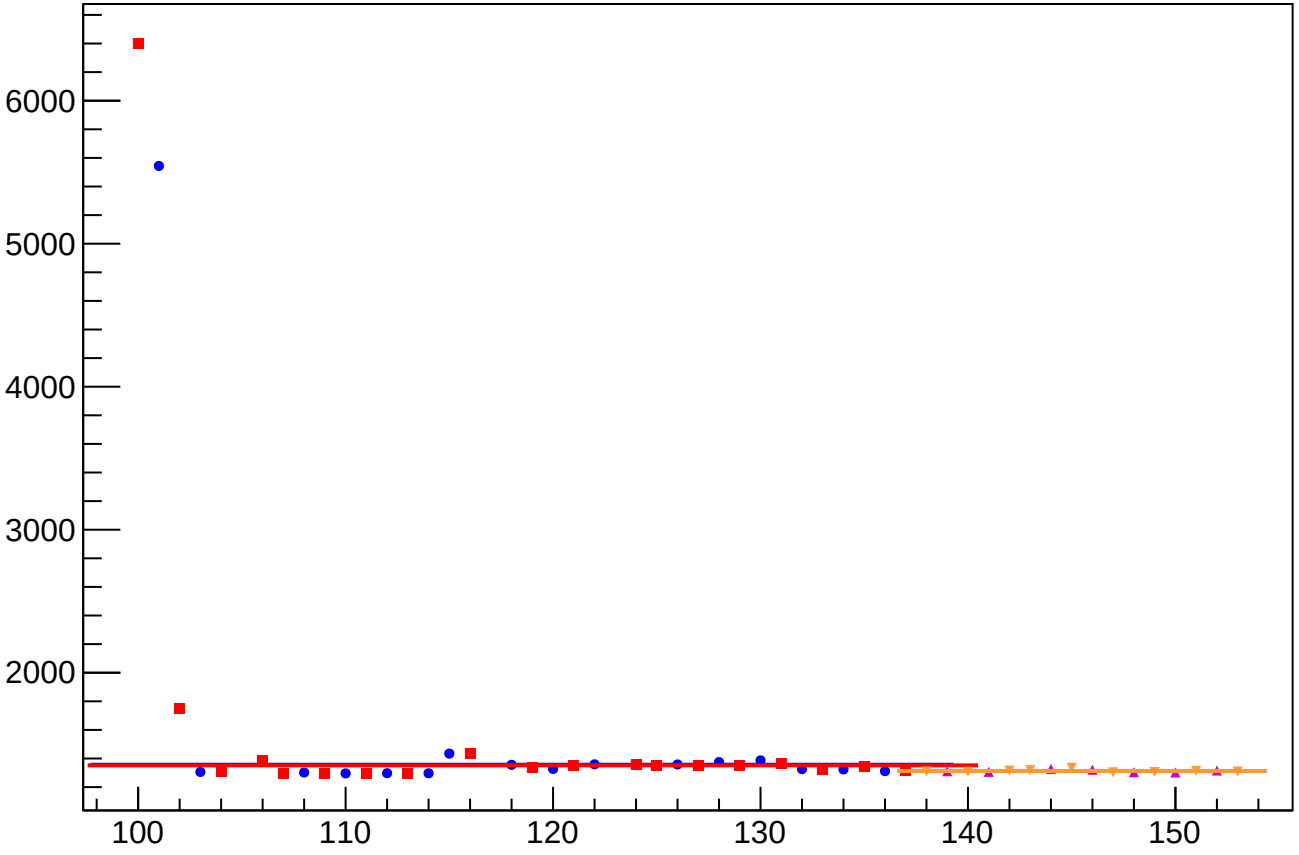
Left In: 489.460+/-529.841 χ^2/NDF:10.1/6

+ sign 30.166+/-357.862 χ^2/NDF: 30.3/24

All: 157.588+/-255.423 χ^2/NDF: 50.9/50

- sign 289.910+/-364.679 χ^2/NDF: 20.3/25

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.655+/-0.350 χ^2/NDF:657.6/8

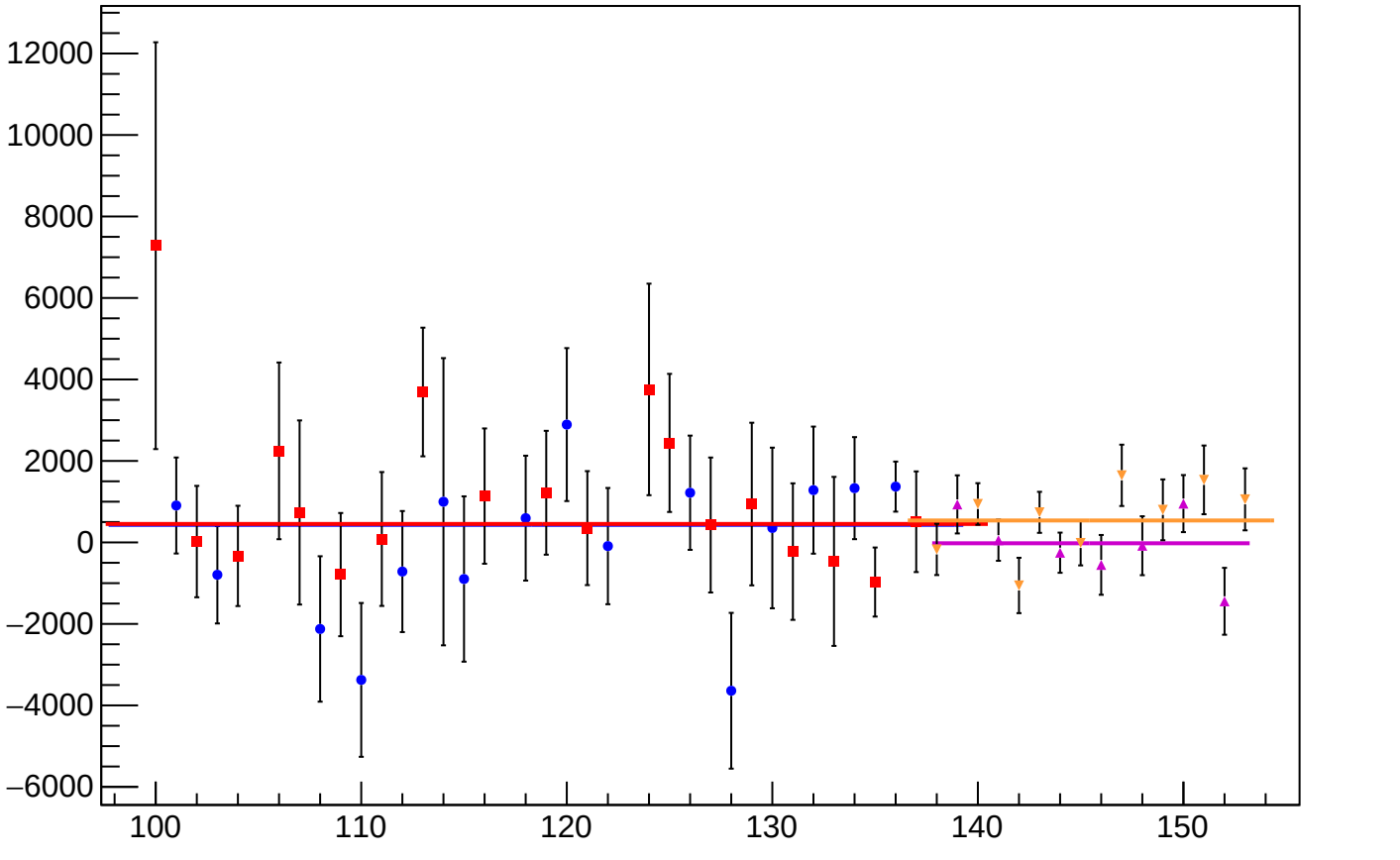
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1312.823+/-0.375 χ^2/NDF:537.3/6

+ sign 1333.549+/-0.253 χ^2/NDF: 768378.3/24

All: 1333.517+/-0.181 χ^2/NDF: 922021.3/50

- sign 1333.484+/-0.258 χ^2/NDF: 153643.0/25



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 538.656+/-210.947 χ^2/NDF:12.7/8

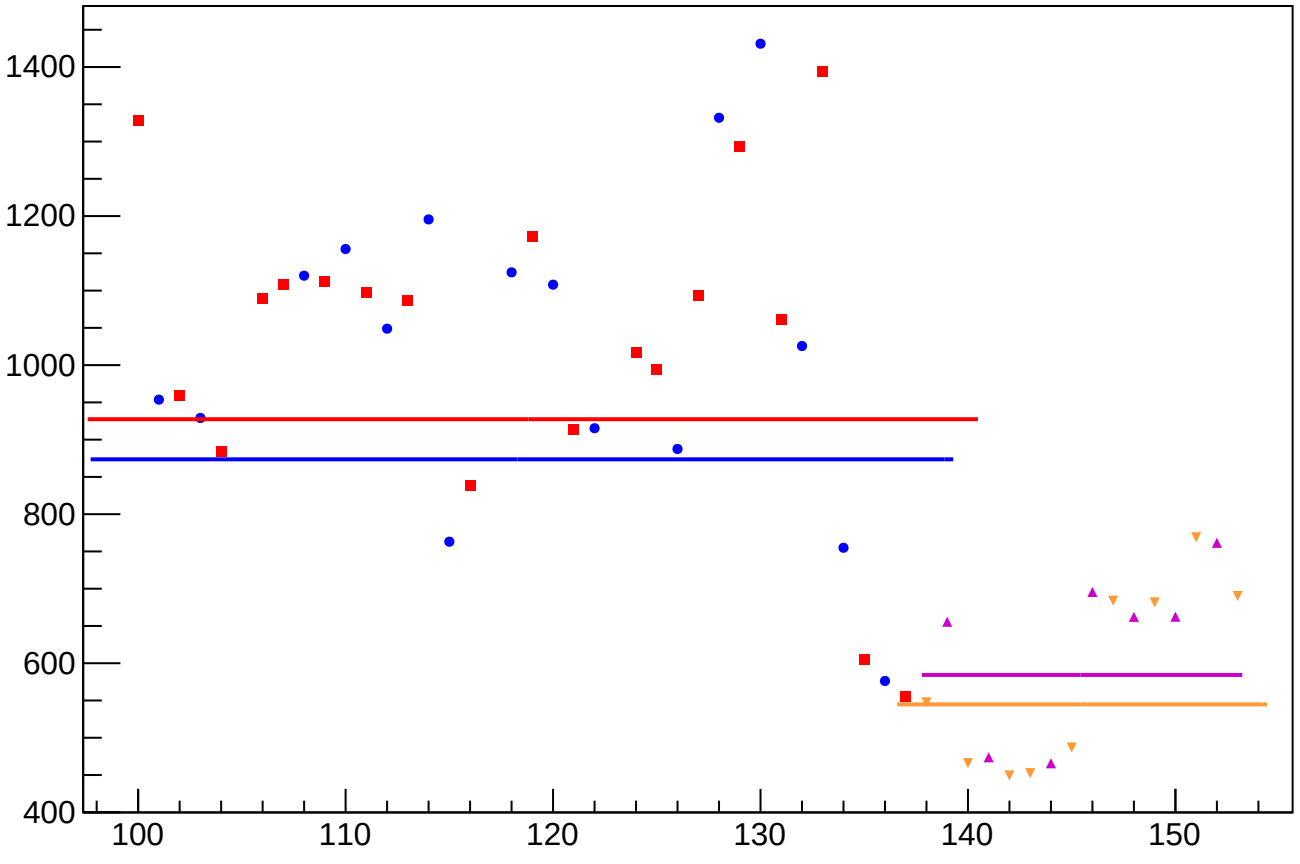
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -20.986+/-240.603 χ^2/NDF:7.5/6

+ sign 508.847+/-179.014 χ^2/NDF: 31.0/24

All: 338.706+/-133.171 χ^2/NDF: 56.5/50

- sign 127.875+/-199.274 χ^2/NDF: 23.4/25



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 544.777+/-0.149 χ^2/NDF:526537.0/8

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

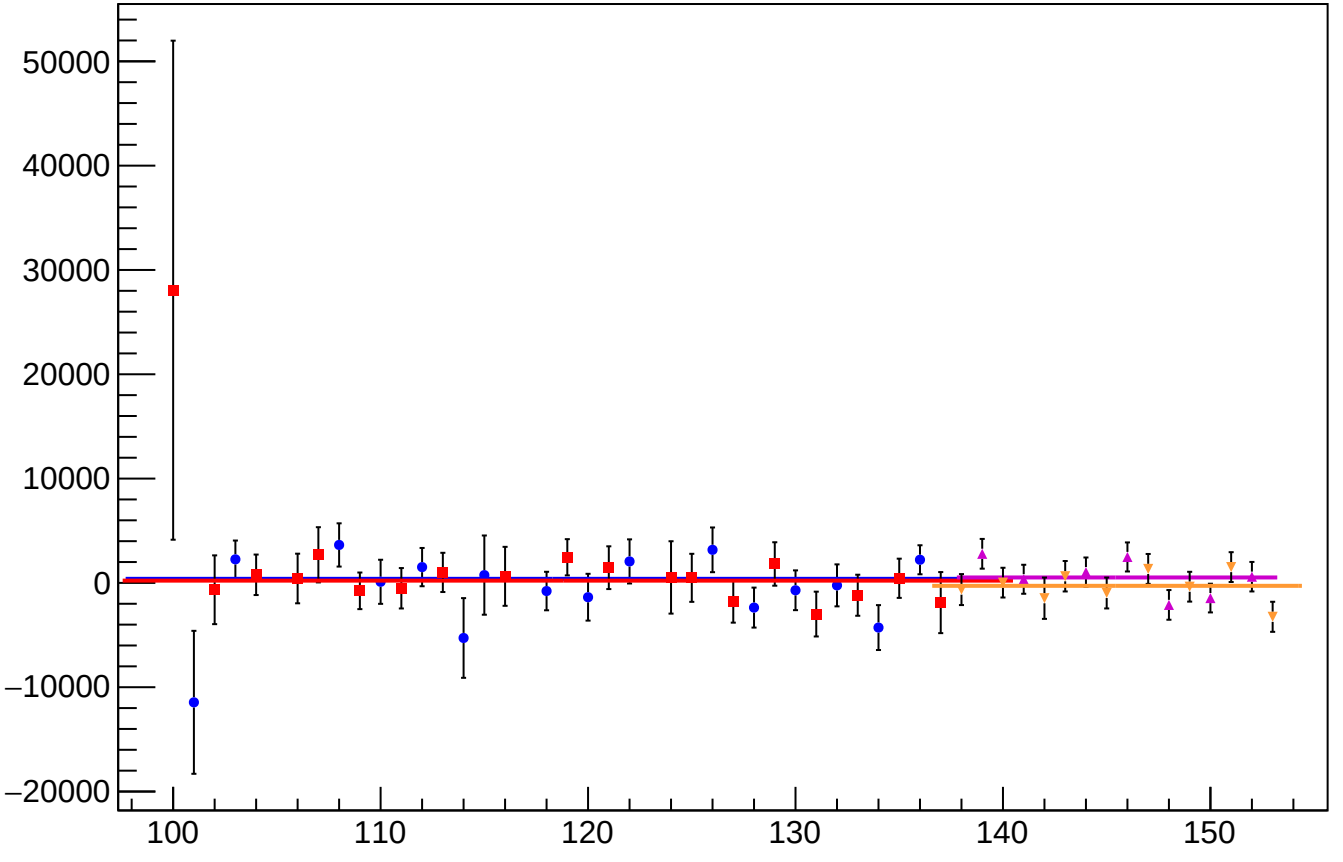
Left In: 584.281+/-0.170 χ^2/NDF:418458.9/6

\+ sign 636.796+/-0.127 χ^2/NDF: 2900928.1/24

All: 661.465+/-0.094 χ^2/NDF: 5529190.4/50

\- sign 692.035+/-0.141 χ^2/NDF: 2543214.4/25

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -280.870+/-495.492 χ^2/NDF:8.2/8

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

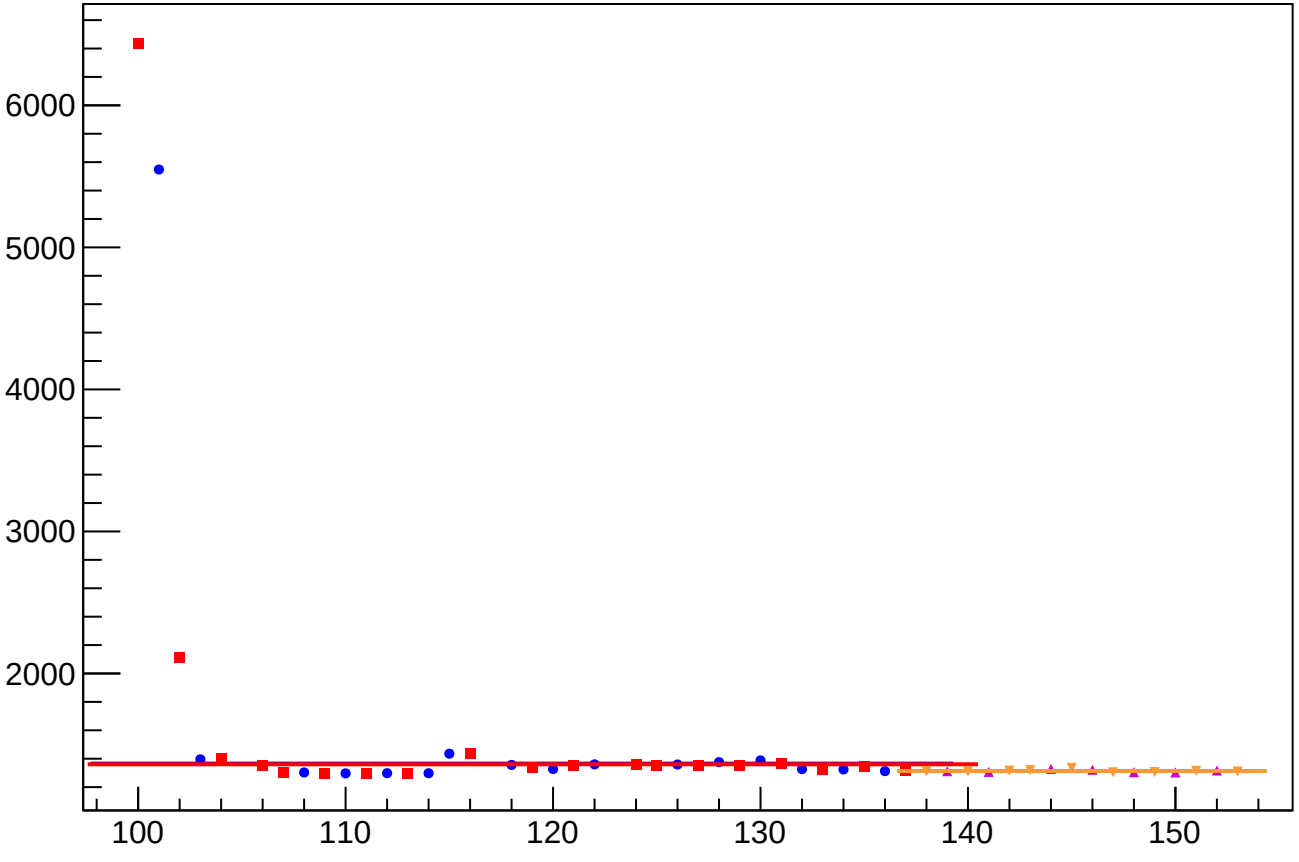
Left In: 520.651+/-530.187 χ^2/NDF:10.2/6

+ sign 37.615+/-359.097 χ^2/NDF: 30.4/24

All: 196.834+/-256.592 χ^2/NDF: 51.1/50

- sign 362.935+/-366.776 χ^2/NDF: 20.3/25

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.544+/-0.350 χ^2/NDF:648.3/8

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

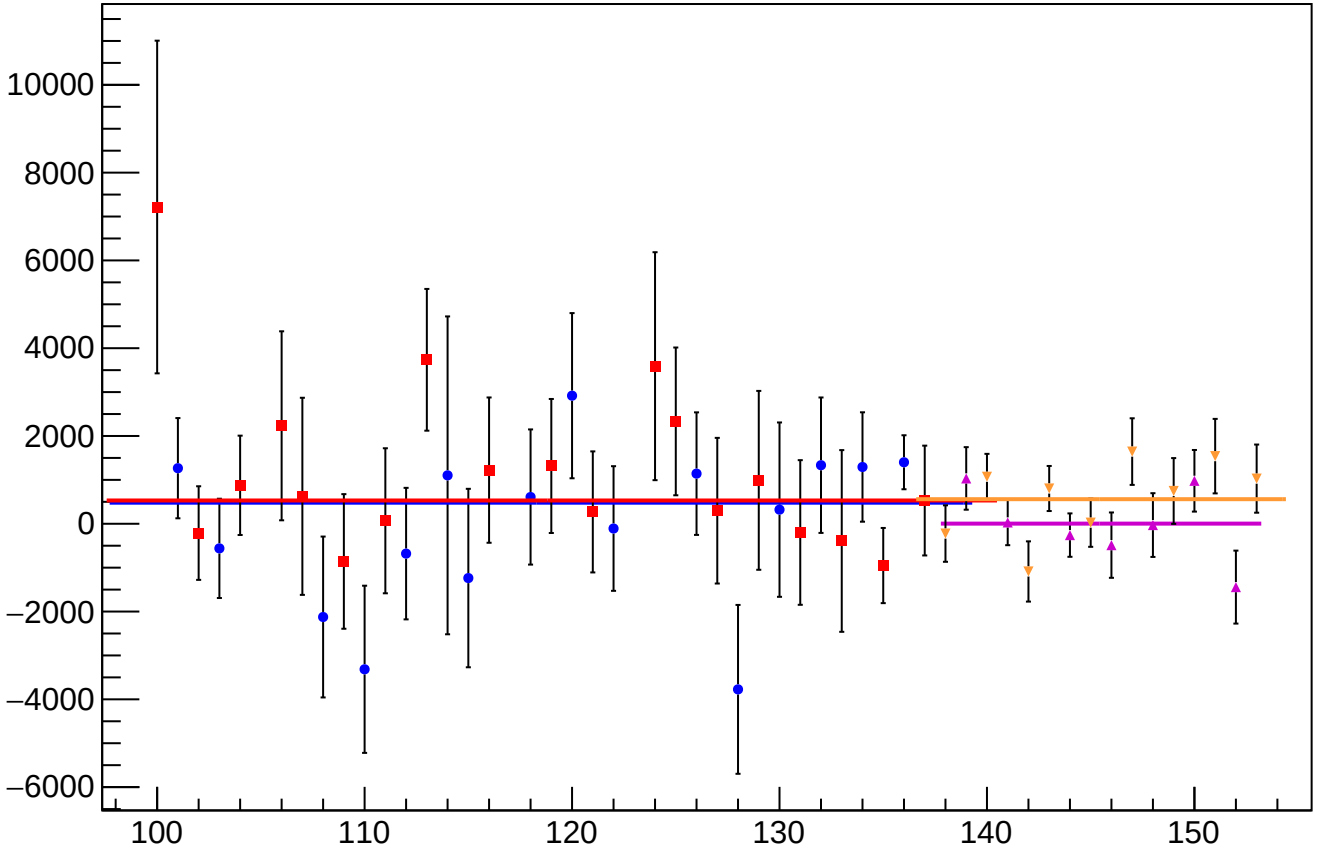
Left In: 1313.679+/-0.375 χ^2/NDF:531.0/6

+ sign 1338.117+/-0.254 χ^2/NDF: 769953.7/24

All: 1338.175+/-0.181 χ^2/NDF: 984027.2/50

- sign 1338.234+/-0.259 χ^2/NDF: 214073.4/25

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 560.100+/-213.847 χ^2/NDF:13.2/8

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

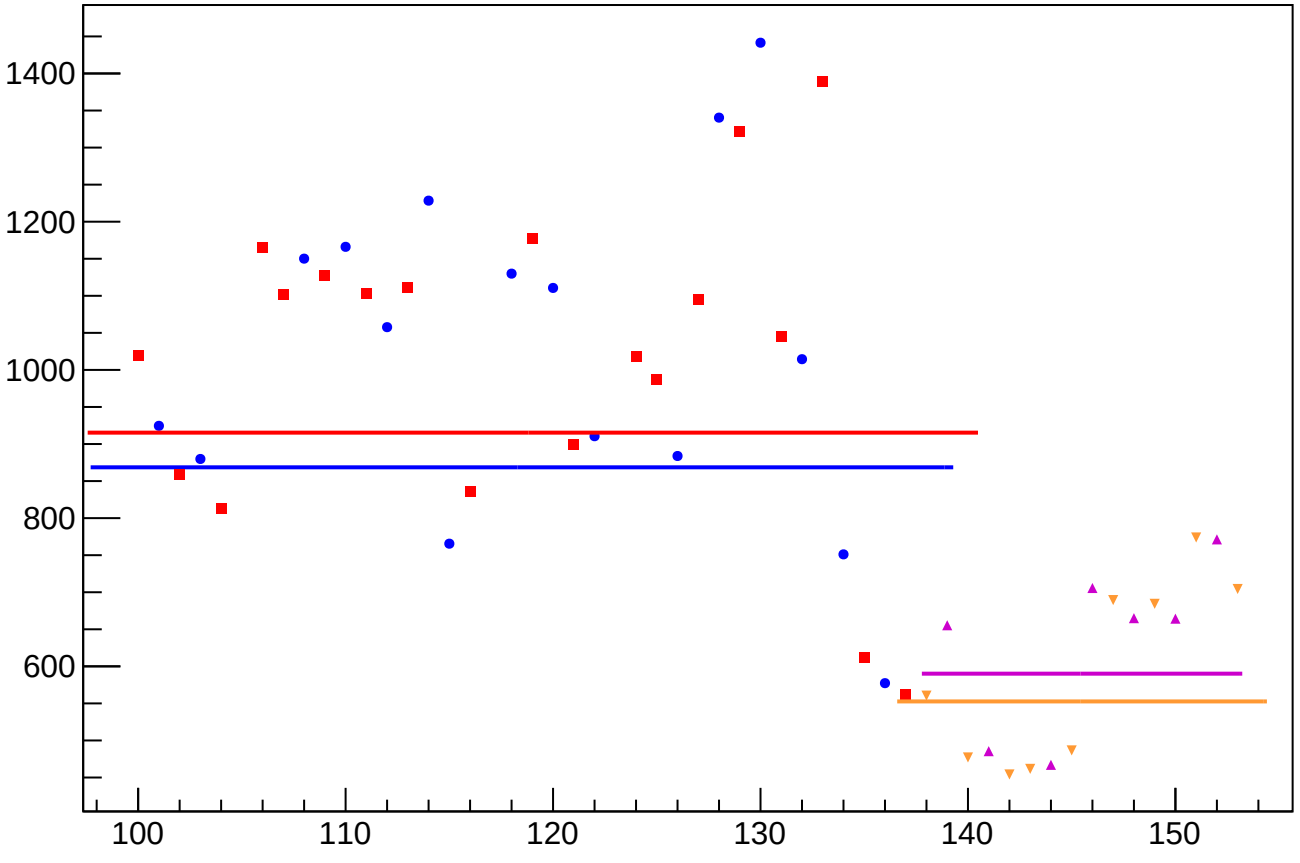
Left In: 3.235+/-242.835 χ^2/NDF:7.8/6

+ sign 537.175+/-180.488 χ^2/NDF: 31.8/24

All: 374.506+/-133.626 χ^2/NDF: 58.6/50

- sign 177.181+/-198.787 χ^2/NDF: 24.9/25

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 552.670+/-0.151 χ^2/NDF:514143.9/8

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

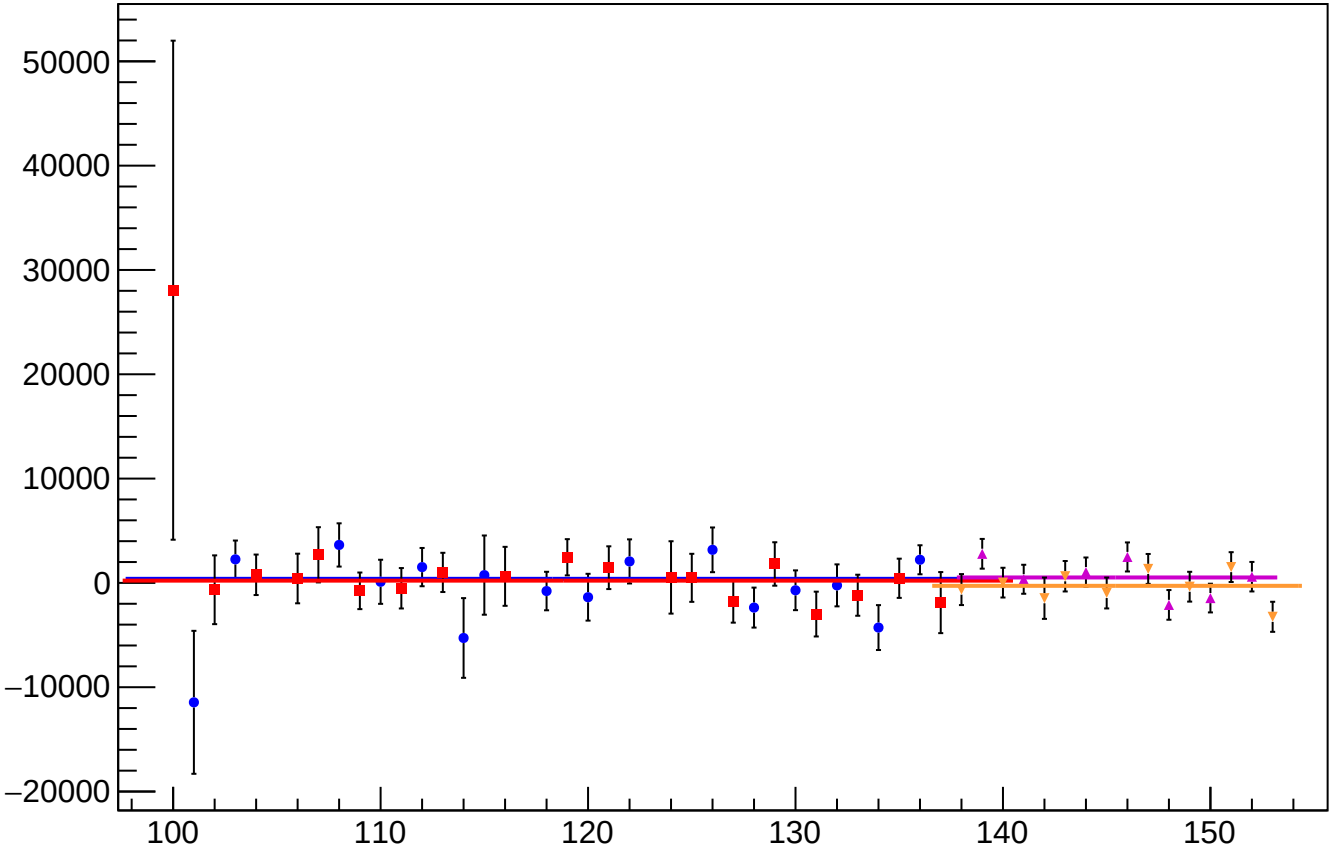
Left In: 590.126+/-0.172 χ^2/NDF:408914.6/6

\+ sign 643.541+/-0.128 χ^2/NDF: 2790943.1/24

All: 667.885+/-0.094 χ^2/NDF: 5322754.5/50

\- sign 697.415+/-0.141 χ^2/NDF: 2451290.0/25

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -280.870+/-495.492 χ^2/NDF:8.2/8

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

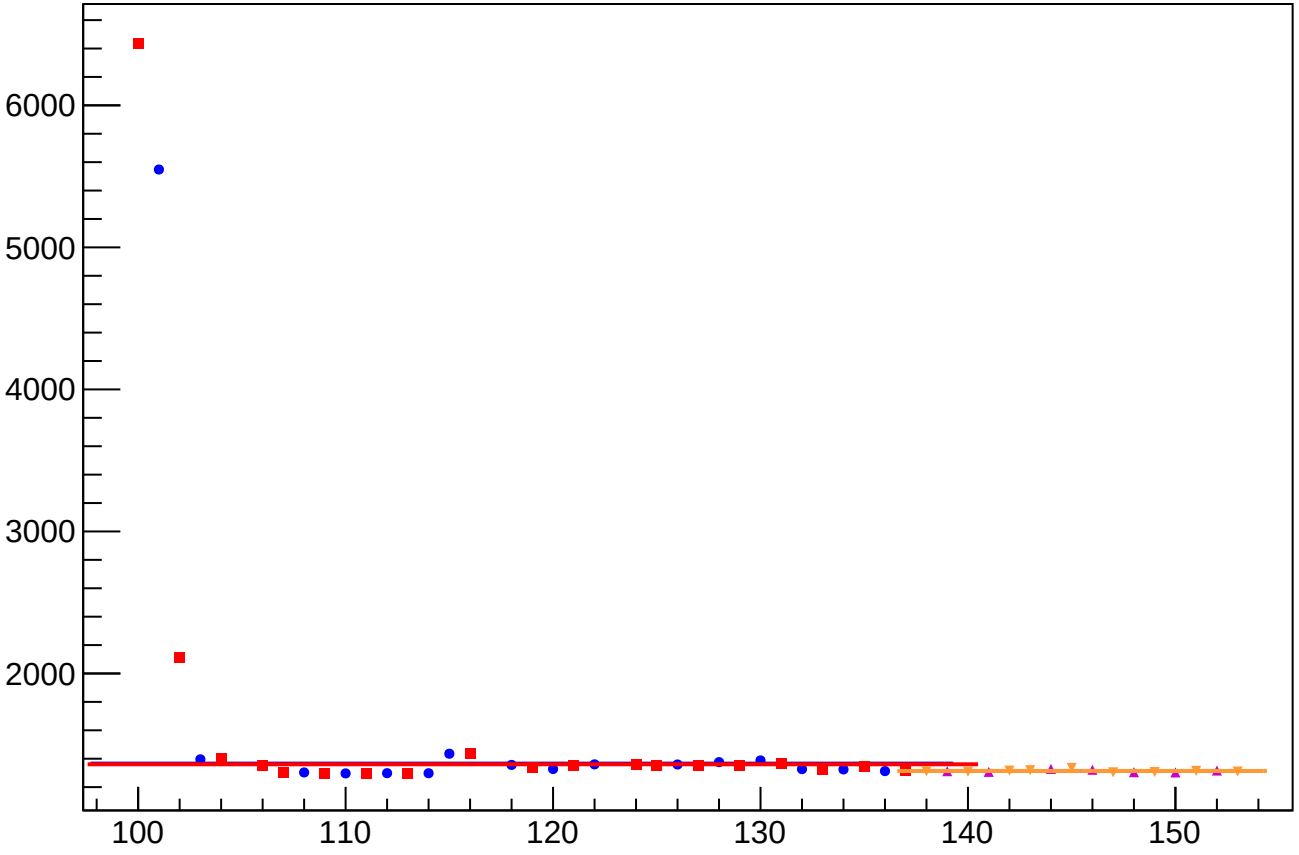
Left In: 520.650+/-530.187 χ^2/NDF:10.2/6

+ sign 37.615+/-359.097 χ^2/NDF: 30.4/24

All: 196.833+/-256.592 χ^2/NDF: 51.1/50

- sign 362.934+/-366.776 χ^2/NDF: 20.3/25

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.544+/-0.350 χ^2/NDF:648.3/8

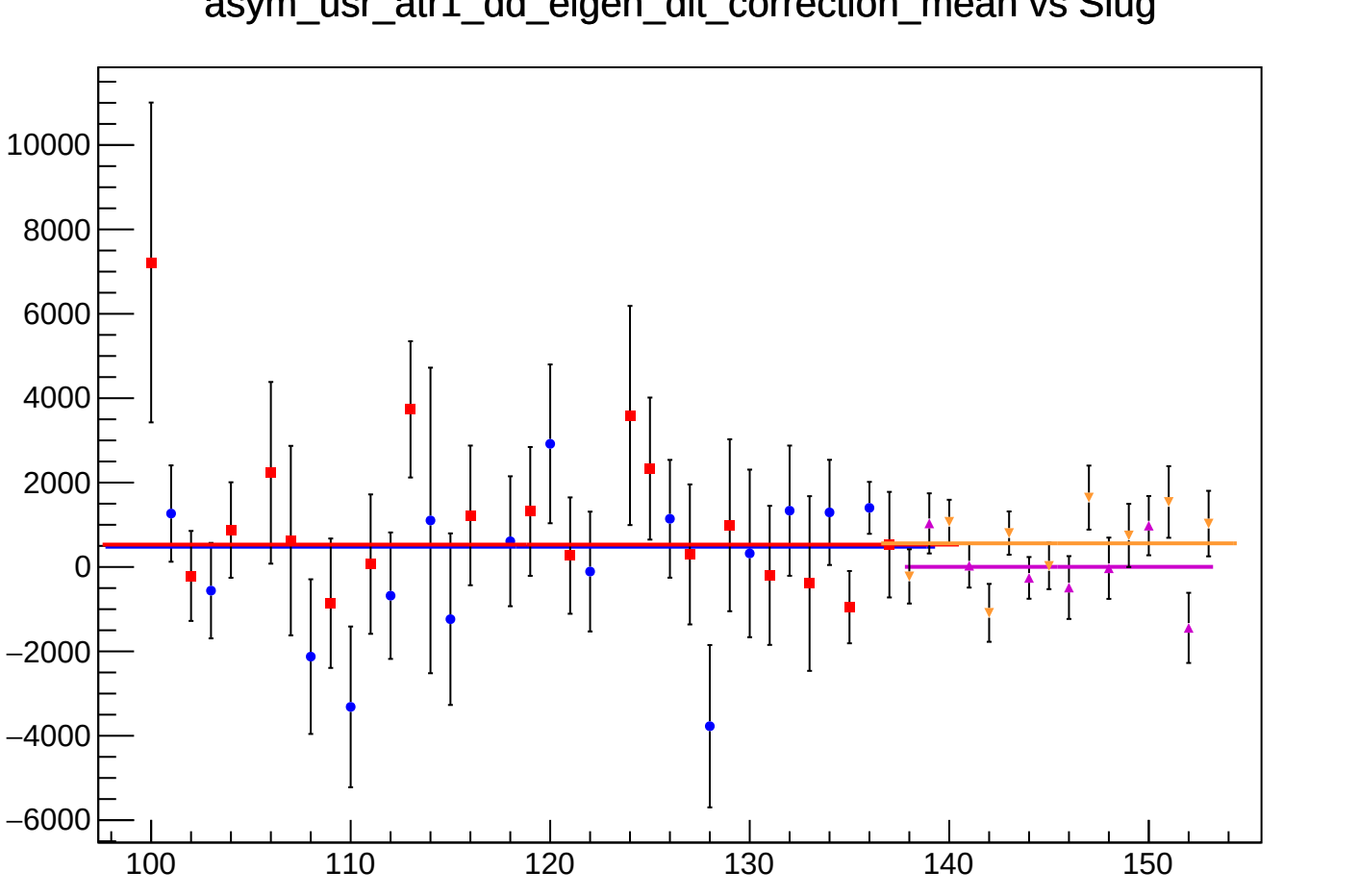
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1313.679+/-0.375 χ^2/NDF:531.0/6

+ sign 1338.117+/-0.254 χ^2/NDF: 769953.7/24

All: 1338.175+/-0.181 χ^2/NDF: 984027.1/50

- sign 1338.234+/-0.259 χ^2/NDF: 214073.4/25



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 560.101+/-213.847 χ^2/NDF:13.2/8

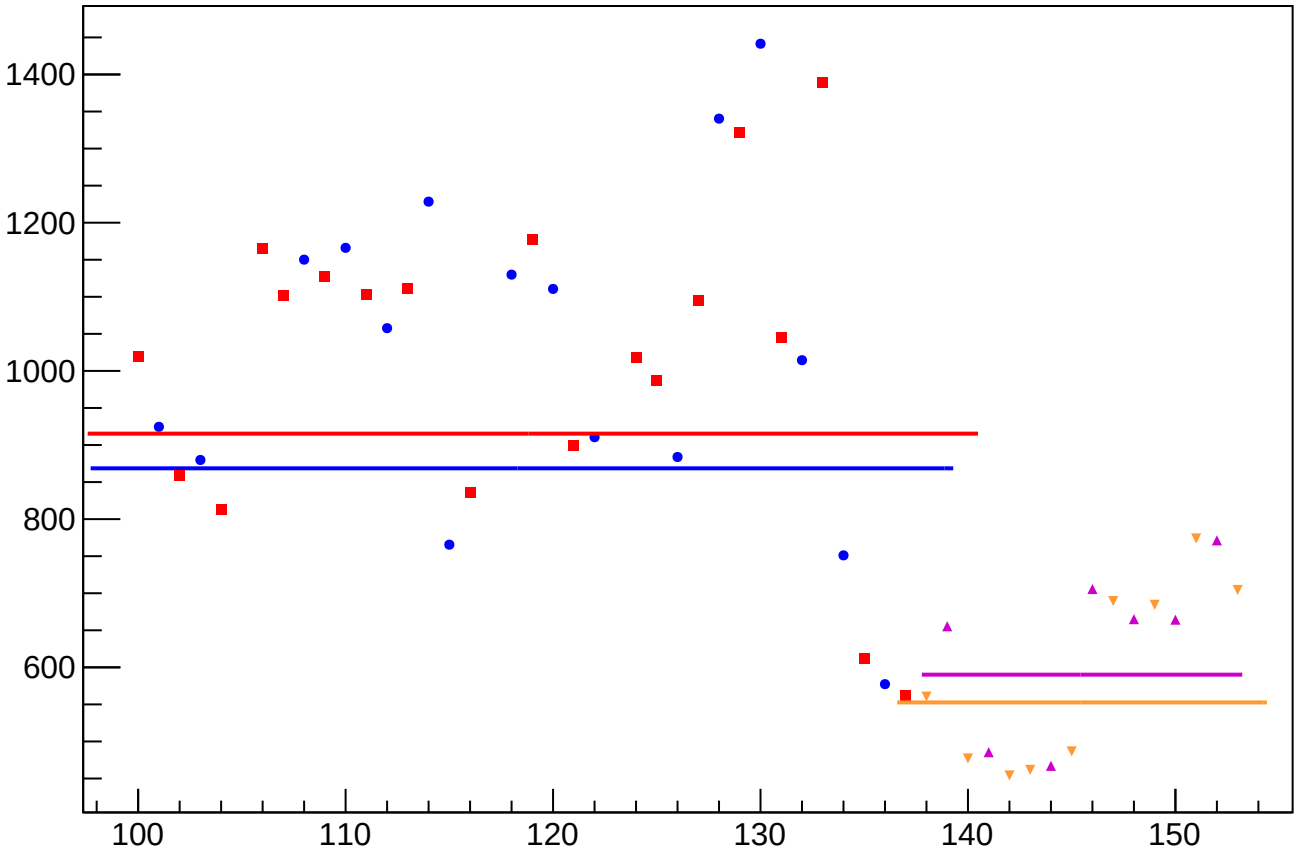
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 3.235+/-242.835 χ^2/NDF:7.8/6

\+ sign 537.175+/-180.487 χ^2/NDF: 31.8/24

All: 374.507+/-133.626 χ^2/NDF: 58.6/50

\- sign 177.182+/-198.787 χ^2/NDF: 24.9/25



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 552.669+/-0.151 χ^2/NDF:514149.6/8

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

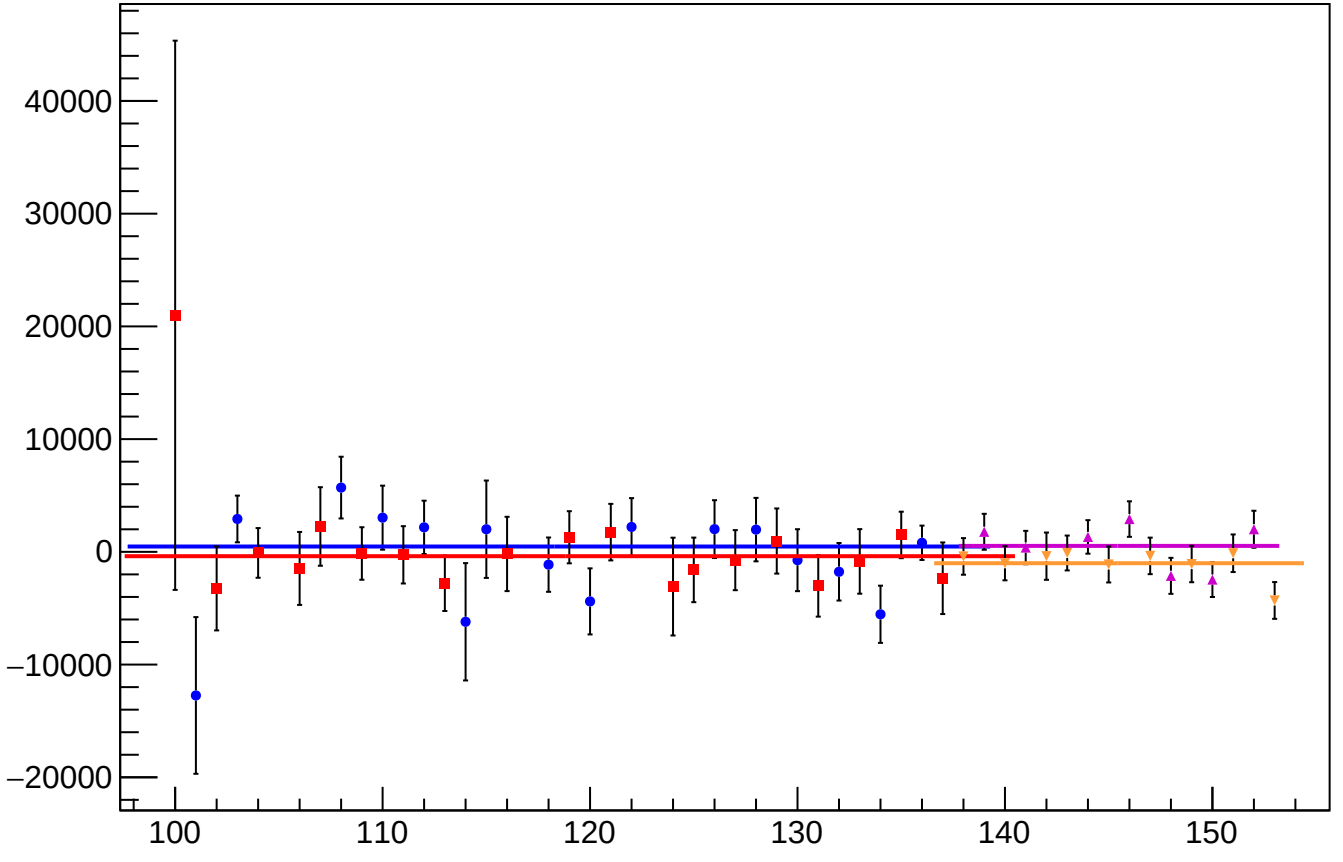
Left In: 590.127+/-0.172 χ^2/NDF:408916.9/6

+ sign 643.540+/-0.128 χ^2/NDF: 2790935.8/24

All: 667.884+/-0.094 χ^2/NDF: 5322737.1/50

- sign 697.415+/-0.141 χ^2/NDF: 2451277.6/25

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1008.013+/-546.079 χ^2/NDF:5.1/8

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

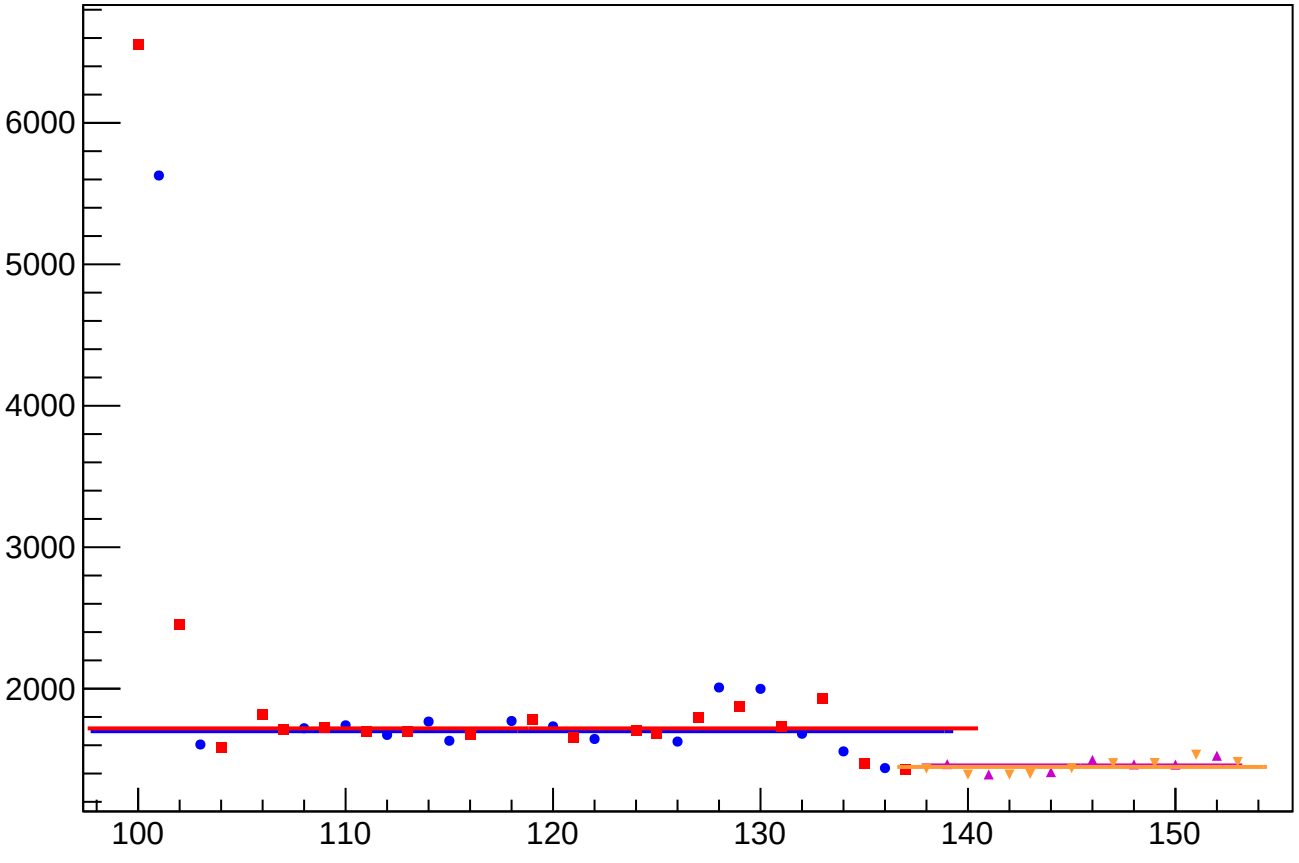
Left In: 528.530+/-588.424 χ^2/NDF:10.5/6

\+ sign -394.177+/-417.909 χ^2/NDF: 30.9/24

All: -150.731+/-300.962 χ^2/NDF: 50.4/50

\- sign 111.561+/-433.783 χ^2/NDF: 18.9/25

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1446.756+/-0.386 χ^2/NDF:13487.6/8

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

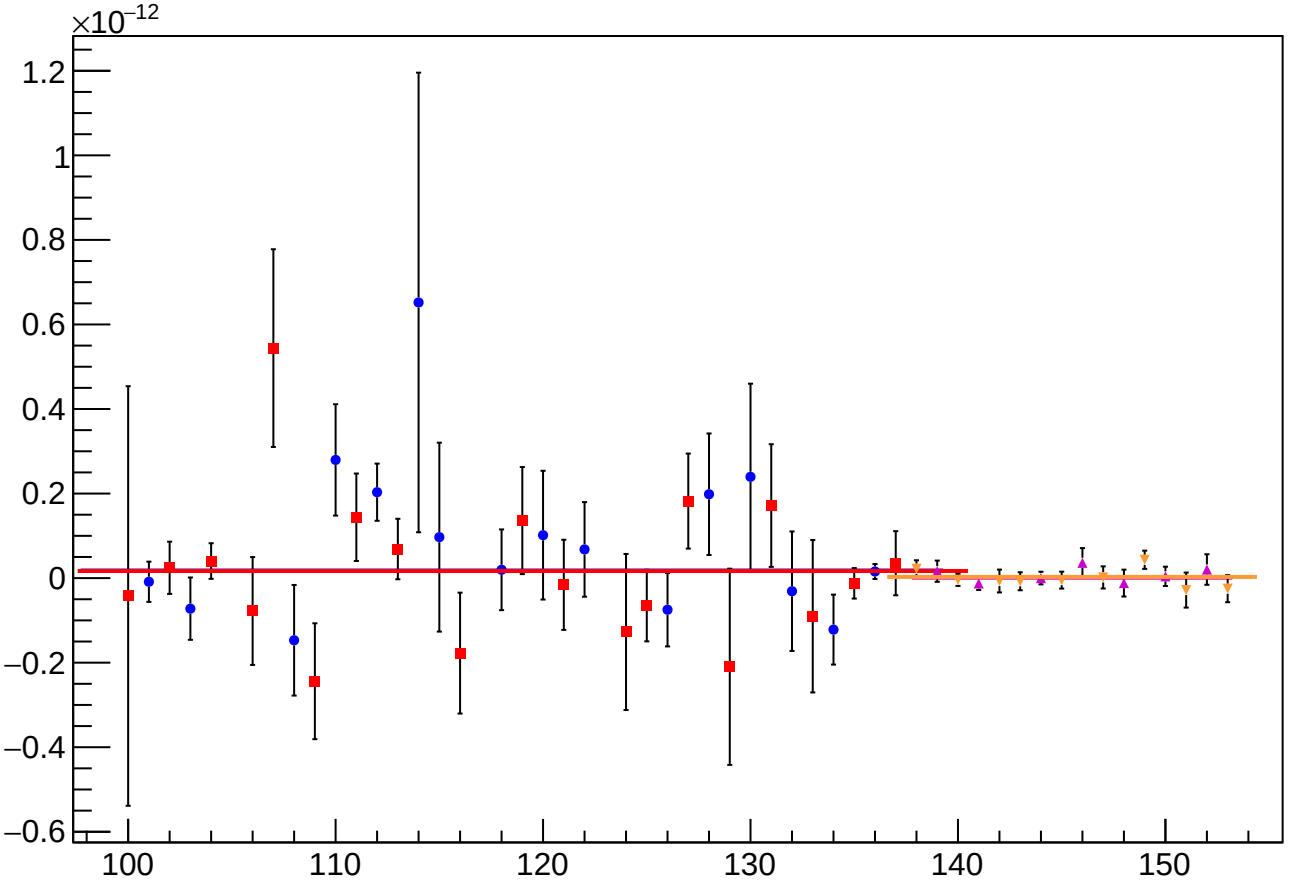
Left In: 1457.271+/-0.416 χ^2/NDF:10560.8/6

+ sign 1551.405+/-0.296 χ^2/NDF: 952859.3/24

All: 1563.634+/-0.213 χ^2/NDF: 1381521.0/50

- sign 1576.809+/-0.307 χ^2/NDF: 425104.1/25

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/8

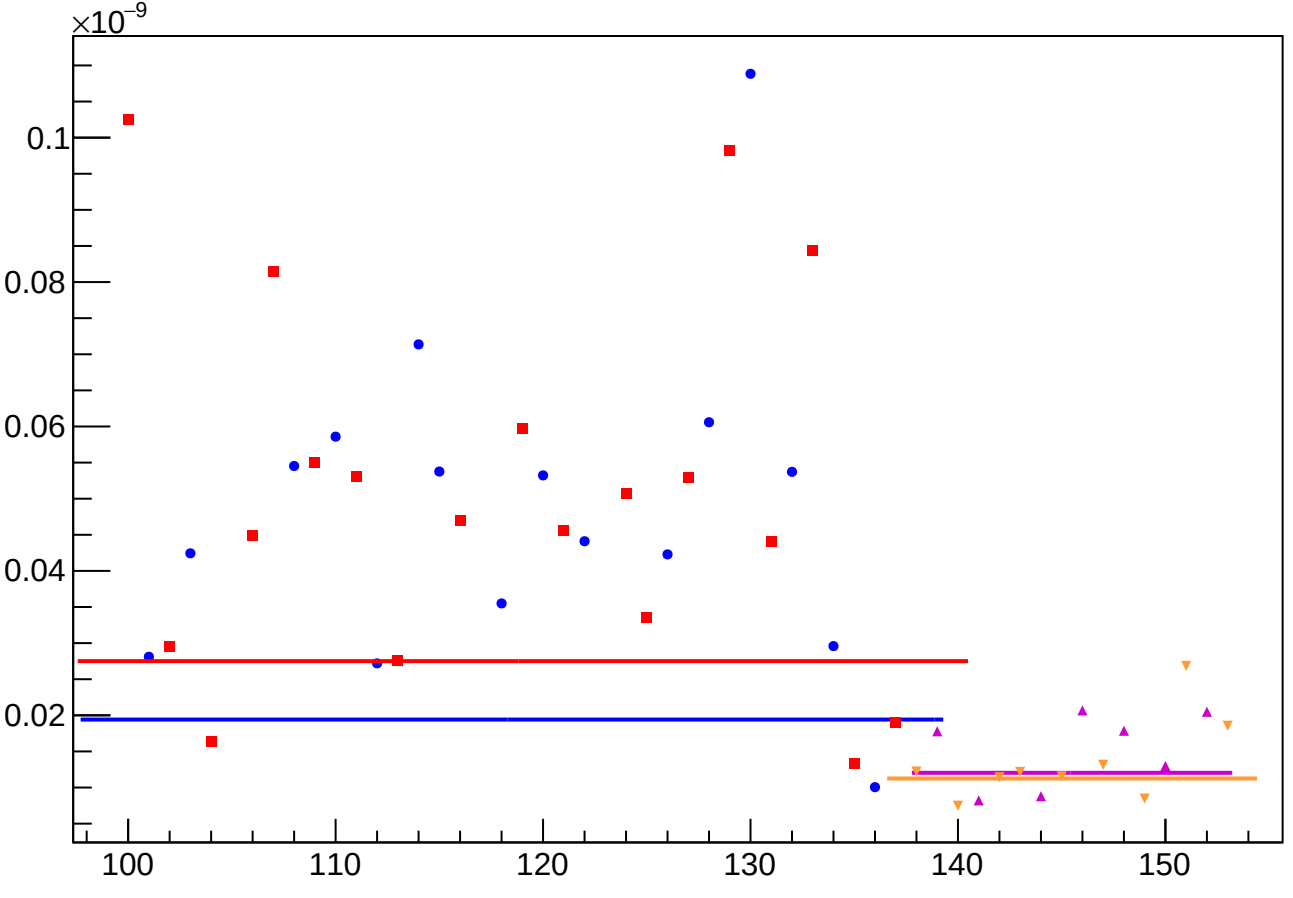
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/24

All: 0.000+/-0.000 χ^2/NDF: 55.6/50

- sign 0.000+/-0.000 χ^2/NDF: 24.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:578161.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

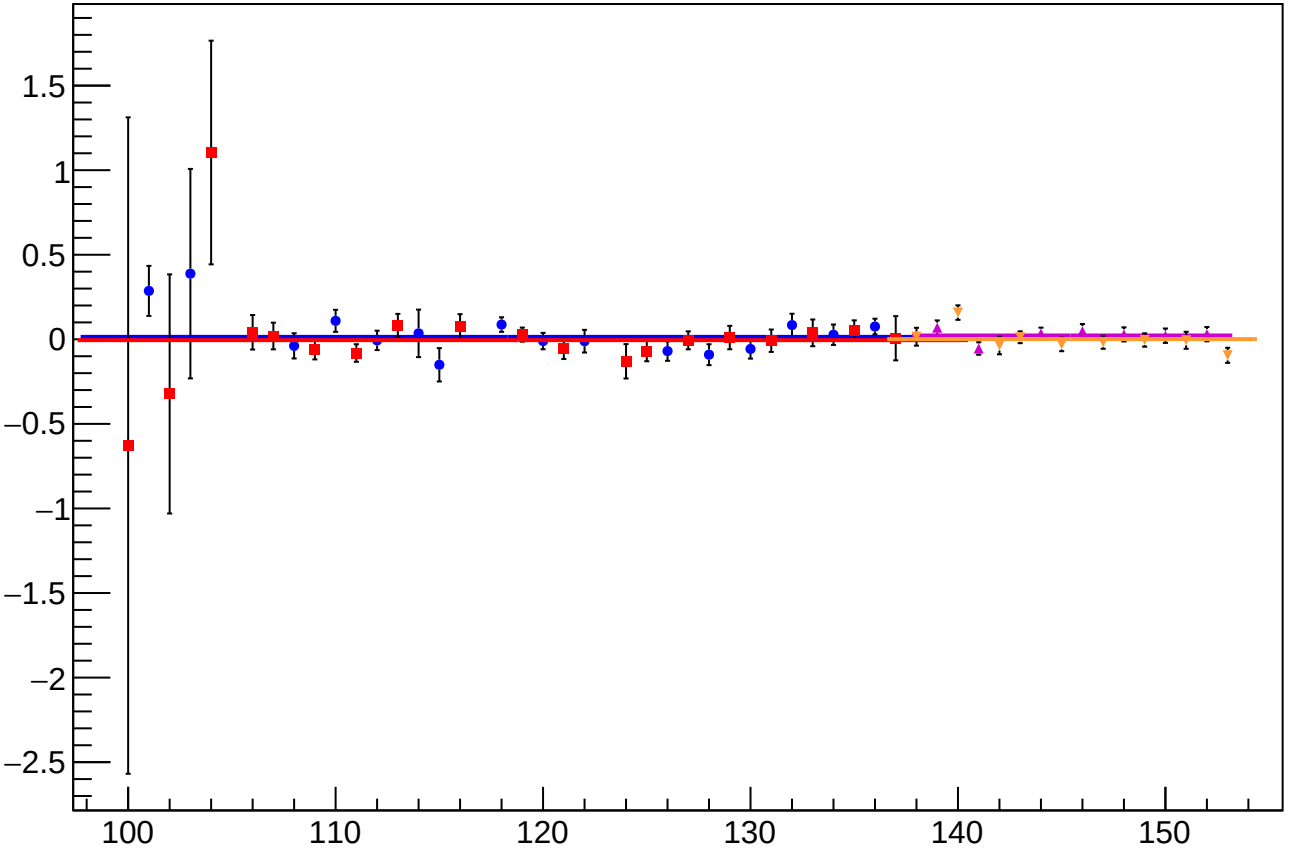
Left In: 0.000+/-0.000 χ^2/NDF:624051.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 3364326.9/24

All: 0.000+/-0.000 χ^2/NDF: 6789339.2/50

- sign 0.000+/-0.000 χ^2/NDF: 3378402.6/25

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:19.5/8

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

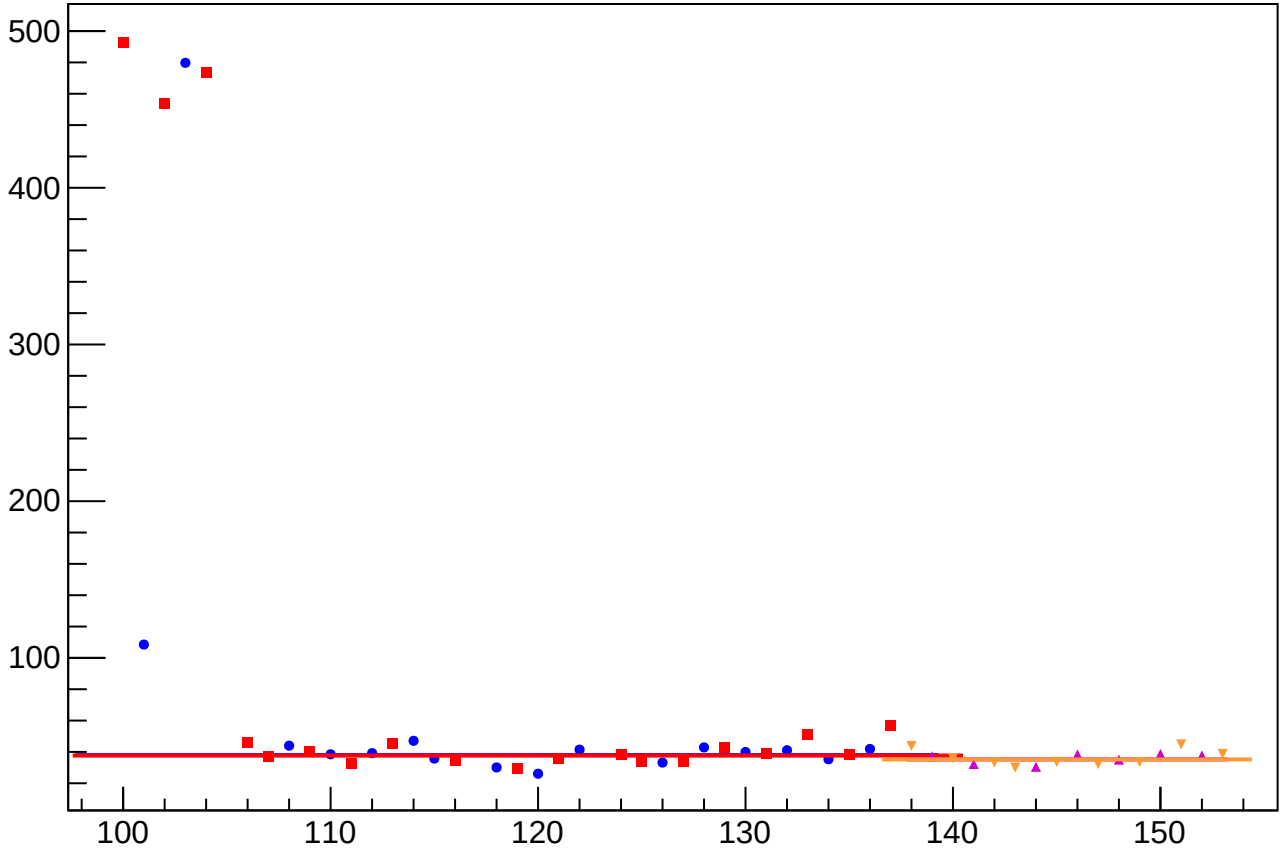
Left In: 0.023+/-0.015 χ^2/NDF:6.0/6

+ sign 0.007+/-0.011 χ^2/NDF: 41.9/24

All: 0.008+/-0.008 χ^2/NDF: 64.3/50

- sign 0.010+/-0.011 χ^2/NDF: 22.4/25

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.194+/-0.010 χ^2/NDF:202983.0/8

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

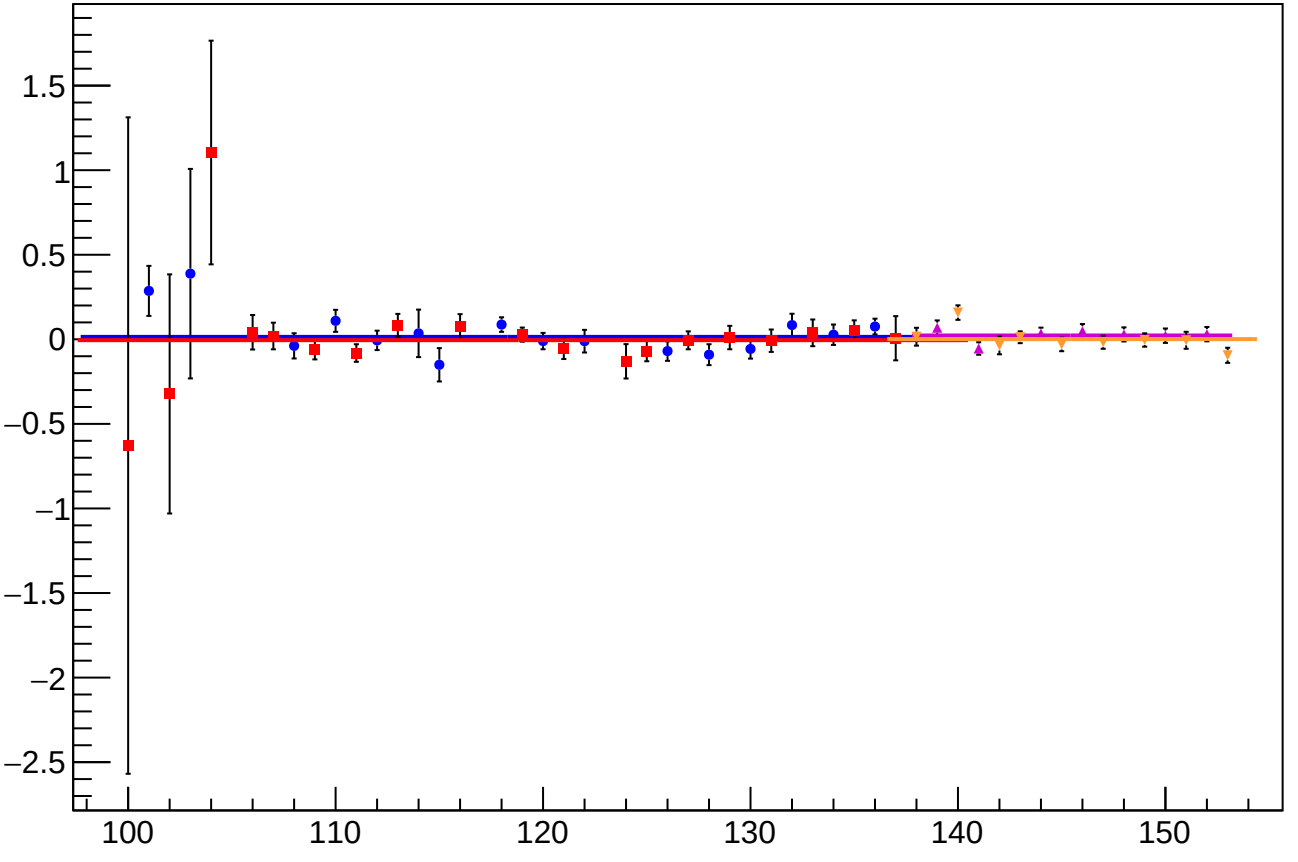
Left In: 35.227+/-0.011 χ^2/NDF:85148.3/6

+ sign 36.419+/-0.008 χ^2/NDF: 1975649.6/24

All: 36.406+/-0.005 χ^2/NDF: 4030669.8/50

- sign 36.392+/-0.008 χ^2/NDF: 2055014.3/25

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:19.5/8

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

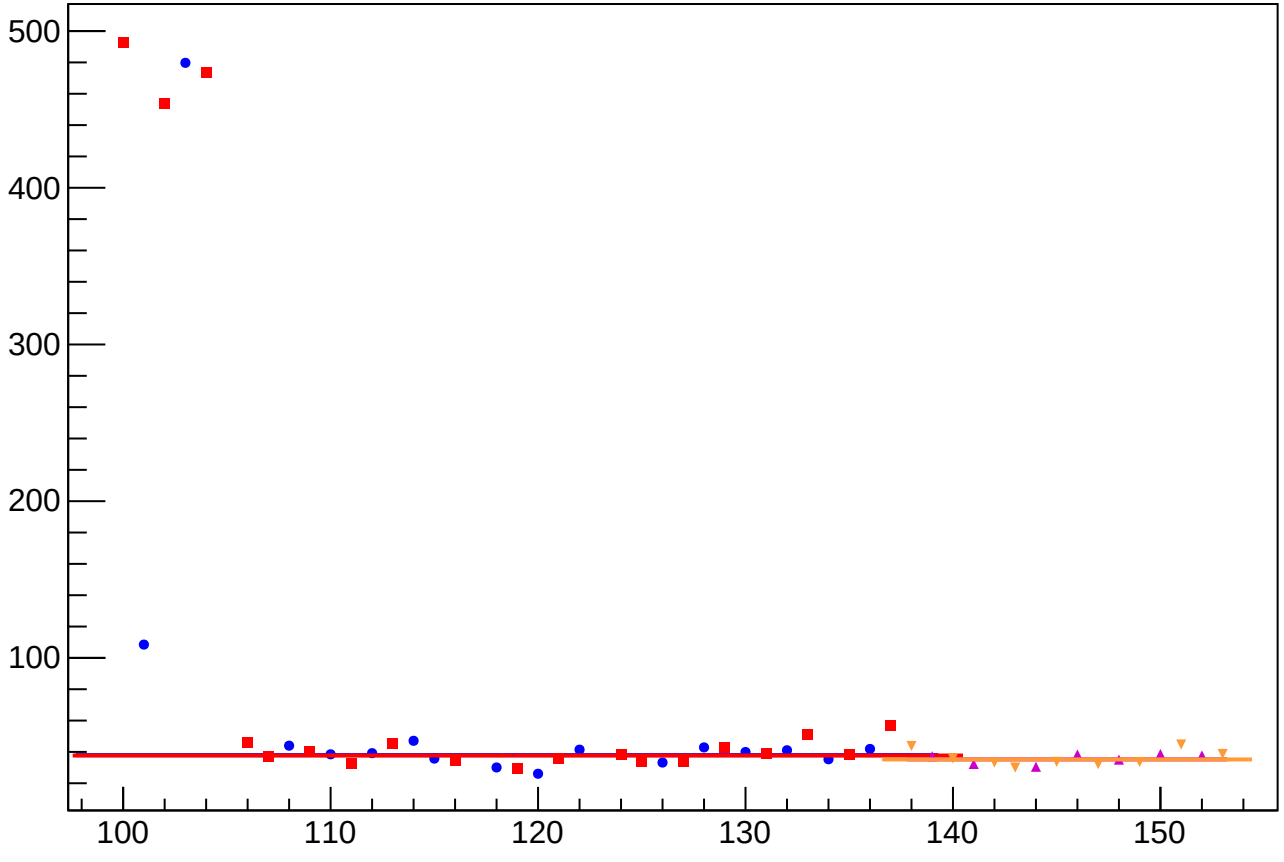
Left In: 0.023+/-0.015 χ^2/NDF:6.0/6

+ sign 0.007+/-0.011 χ^2/NDF: 41.9/24

All: 0.008+/-0.008 χ^2/NDF: 64.3/50

- sign 0.010+/-0.011 χ^2/NDF: 22.4/25

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.194+/-0.010 χ^2/NDF:202983.0/8

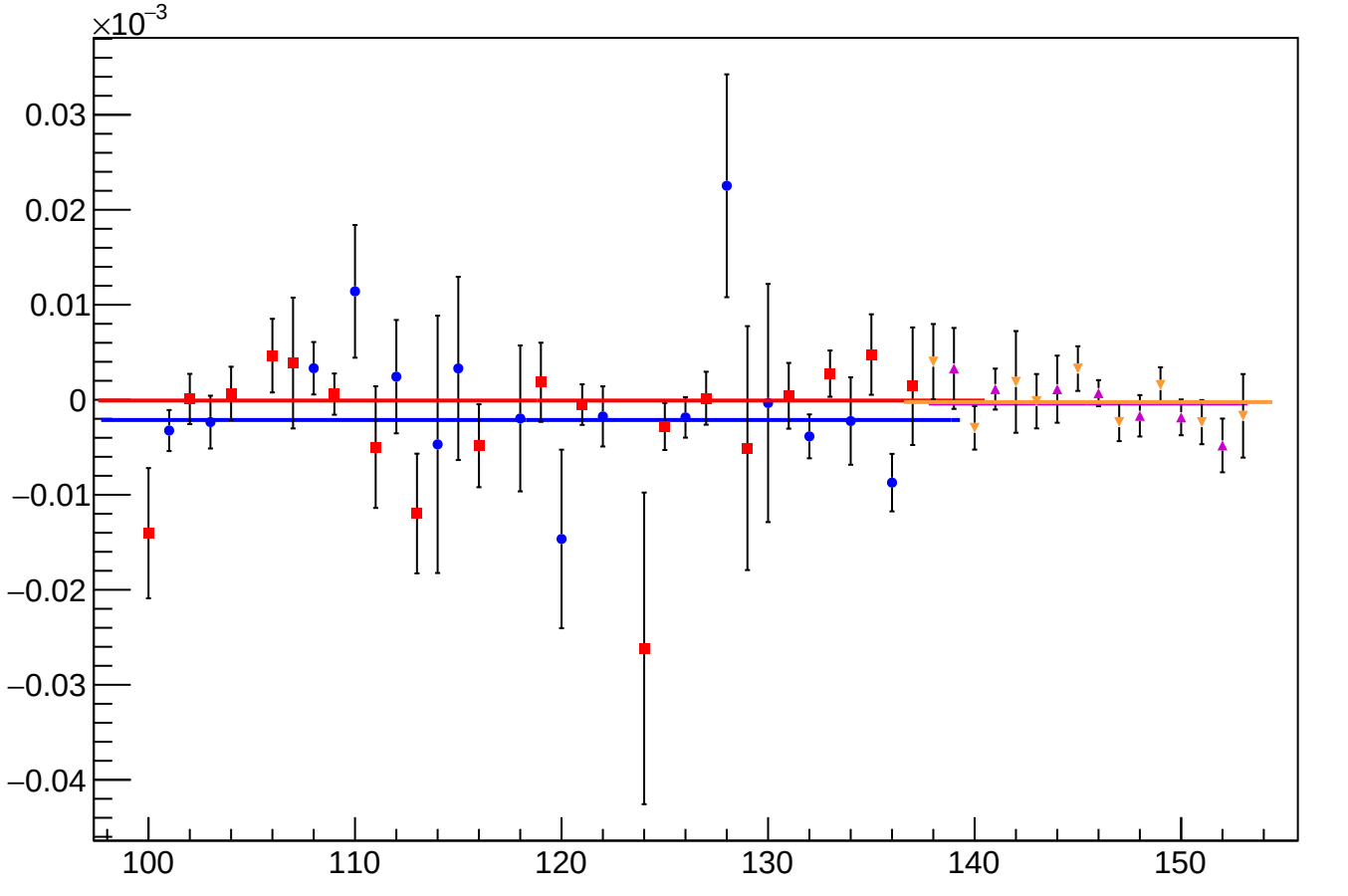
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 35.227+/-0.011 χ^2/NDF:85148.3/6

+ sign 36.419+/-0.008 χ^2/NDF: 1975649.6/24

All: 36.406+/-0.005 χ^2/NDF: 4030669.8/50

- sign 36.392+/-0.008 χ^2/NDF: 2055014.3/25



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/8

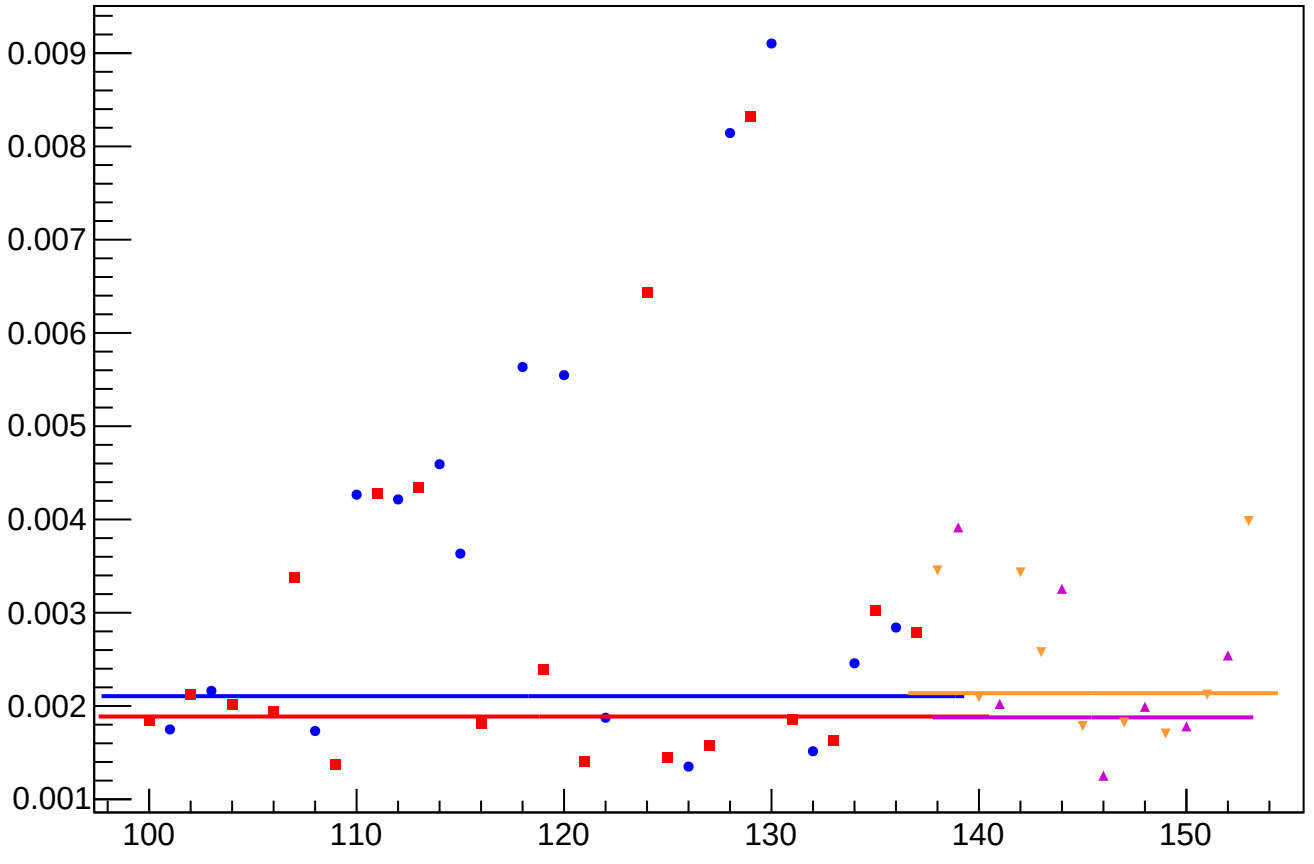
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 30.7/24

All: -0.000+/-0.000 χ^2/NDF: 55.7/50

- sign -0.000+/-0.000 χ^2/NDF: 23.9/25



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:940558.5/8

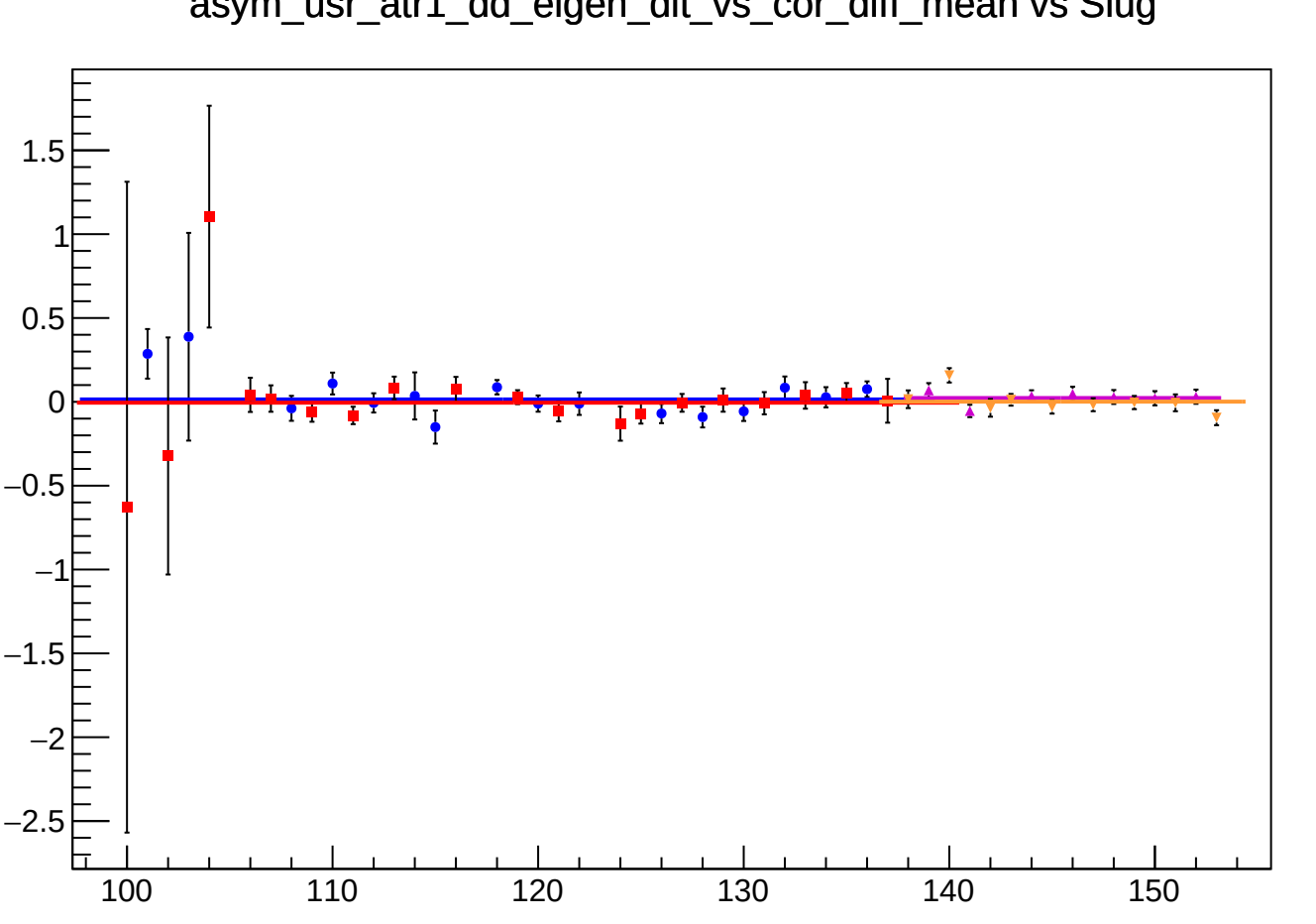
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1309689.2/6

+ sign 0.002+/-0.000 χ^2/NDF: 3959474.0/24

All: 0.002+/-0.000 χ^2/NDF: 7323895.6/50

- sign 0.002+/-0.000 χ^2/NDF: 3201823.0/25



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:19.5/8

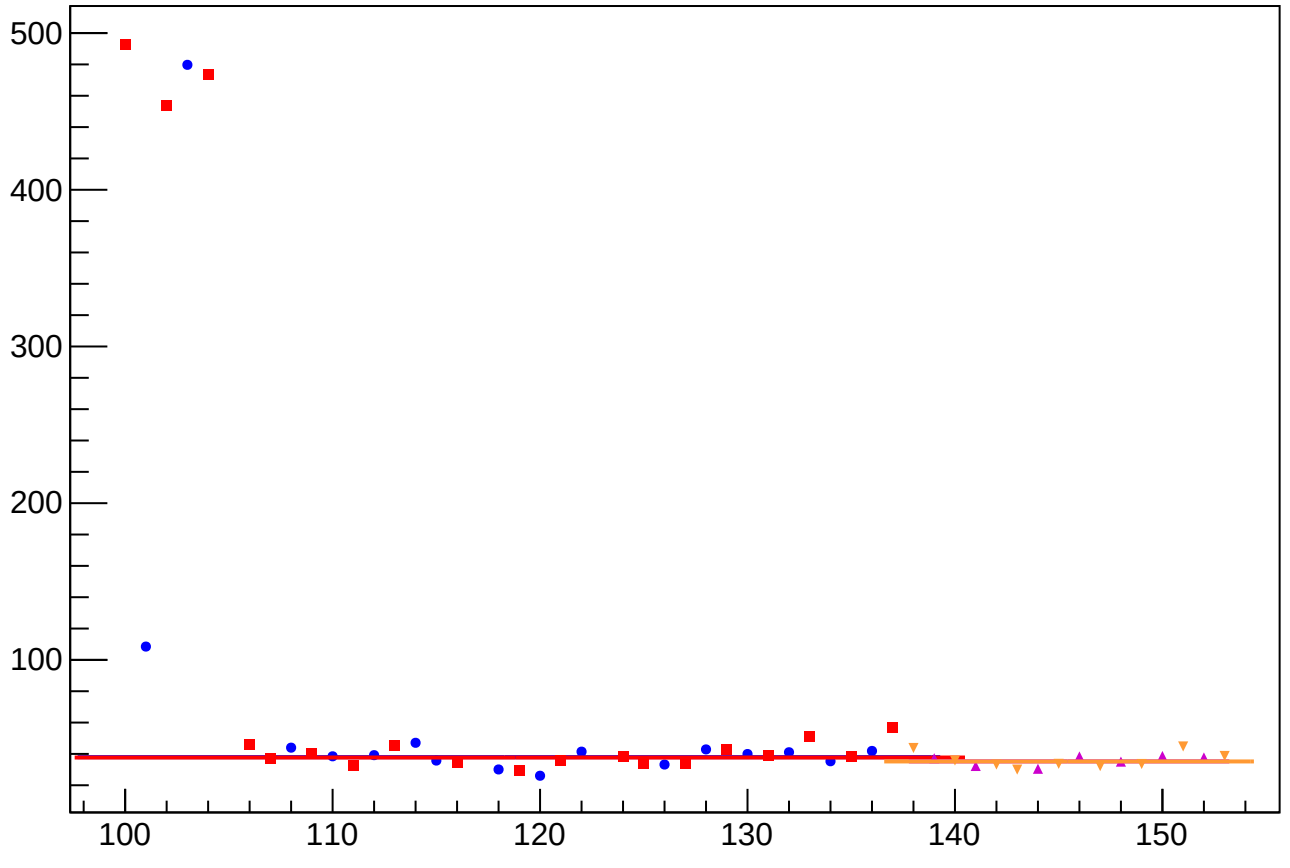
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.023+/-0.015 χ^2/NDF:6.0/6

+ sign 0.007+/-0.011 χ^2/NDF: 41.9/24

All: 0.008+/-0.008 χ^2/NDF: 64.3/50

- sign 0.010+/-0.011 χ^2/NDF: 22.4/25



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.193+/-0.010 χ^2/NDF:203030.3/8

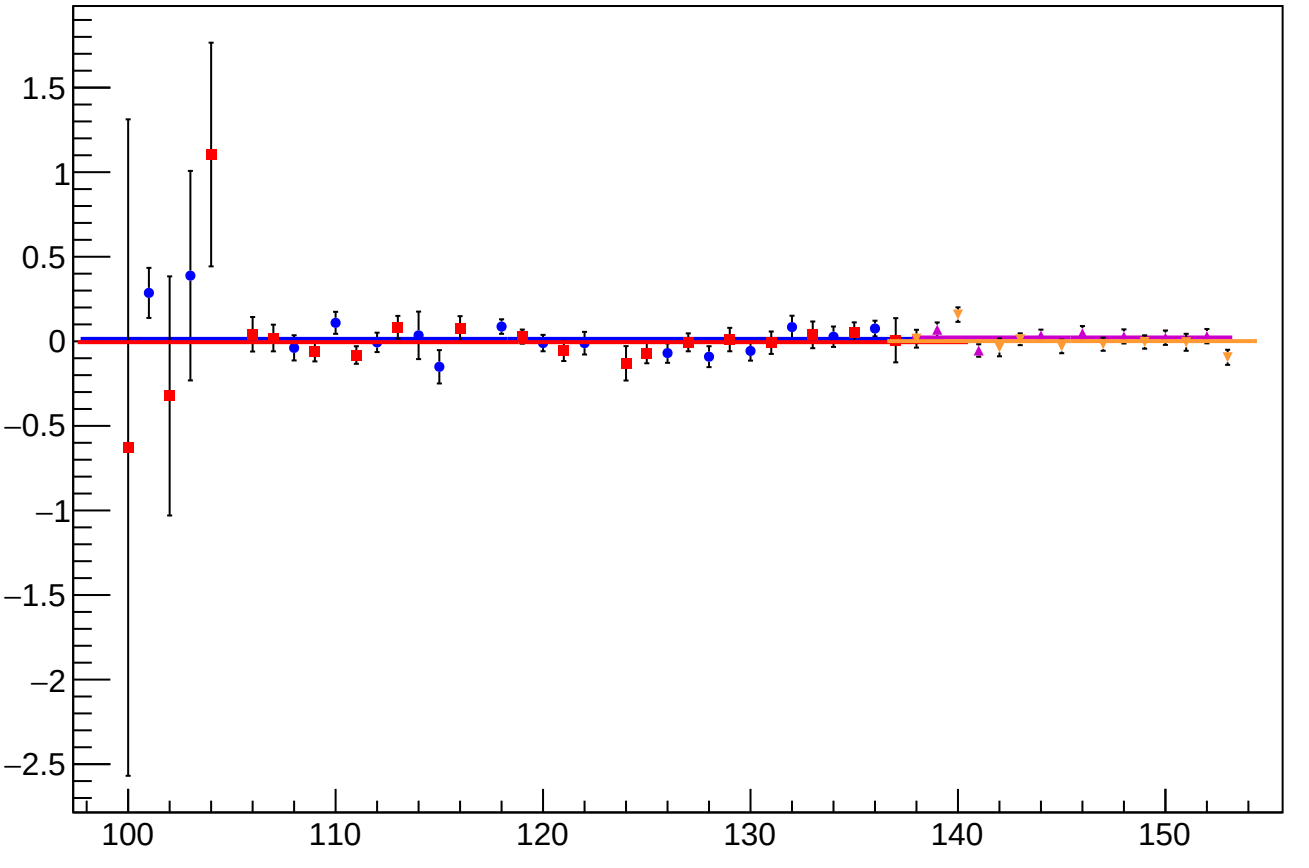
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 35.227+/-0.011 χ^2/NDF:85158.6/6

+ sign 36.419+/-0.008 χ^2/NDF: 1975701.7/24

All: 36.406+/-0.005 χ^2/NDF: 4030793.0/50

- sign 36.392+/-0.008 χ^2/NDF: 2055085.2/25



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:19.5/8

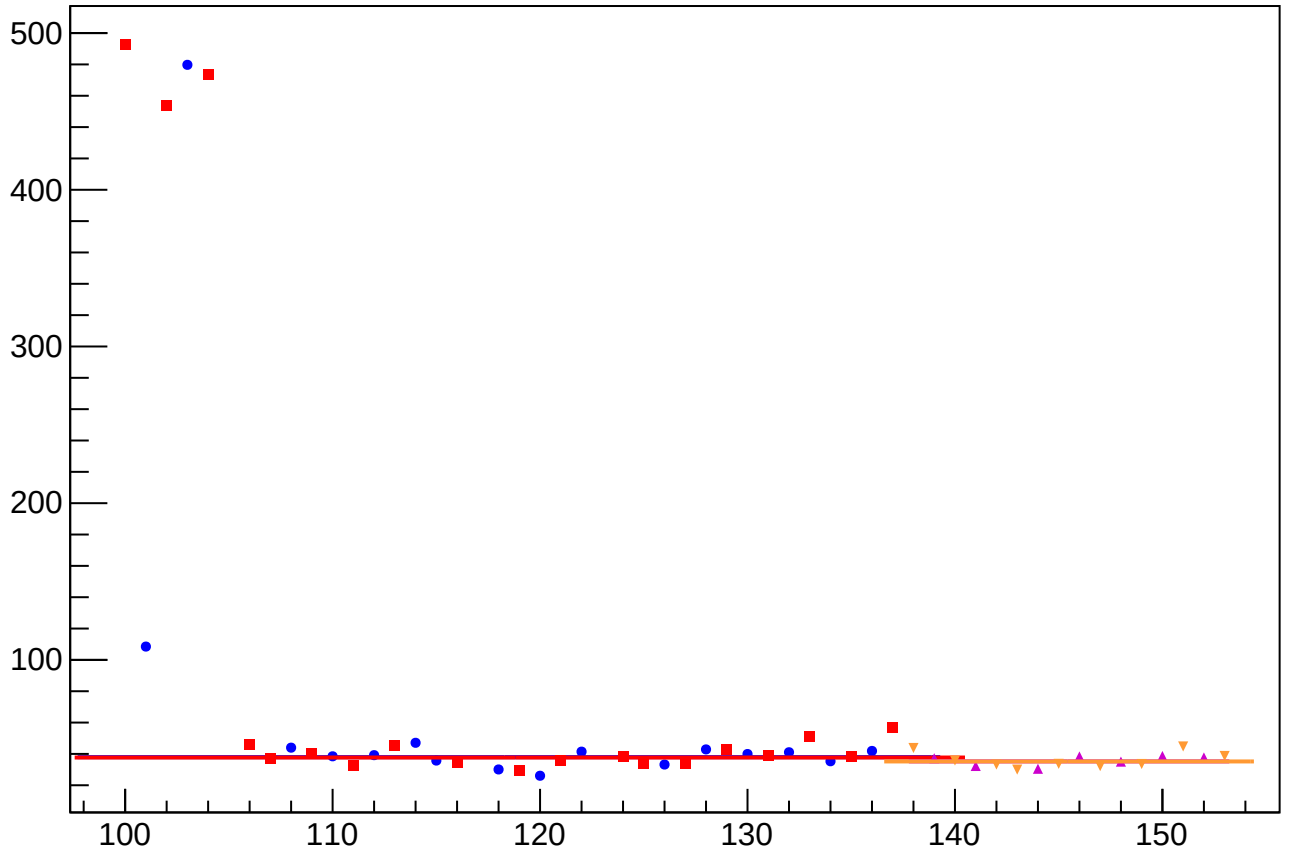
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.023+/-0.015 χ^2/NDF:6.0/6

+ sign 0.007+/-0.011 χ^2/NDF: 41.9/24

All: 0.008+/-0.008 χ^2/NDF: 64.3/50

- sign 0.010+/-0.011 χ^2/NDF: 22.4/25



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.193+/-0.010 χ^2/NDF:203030.3/8

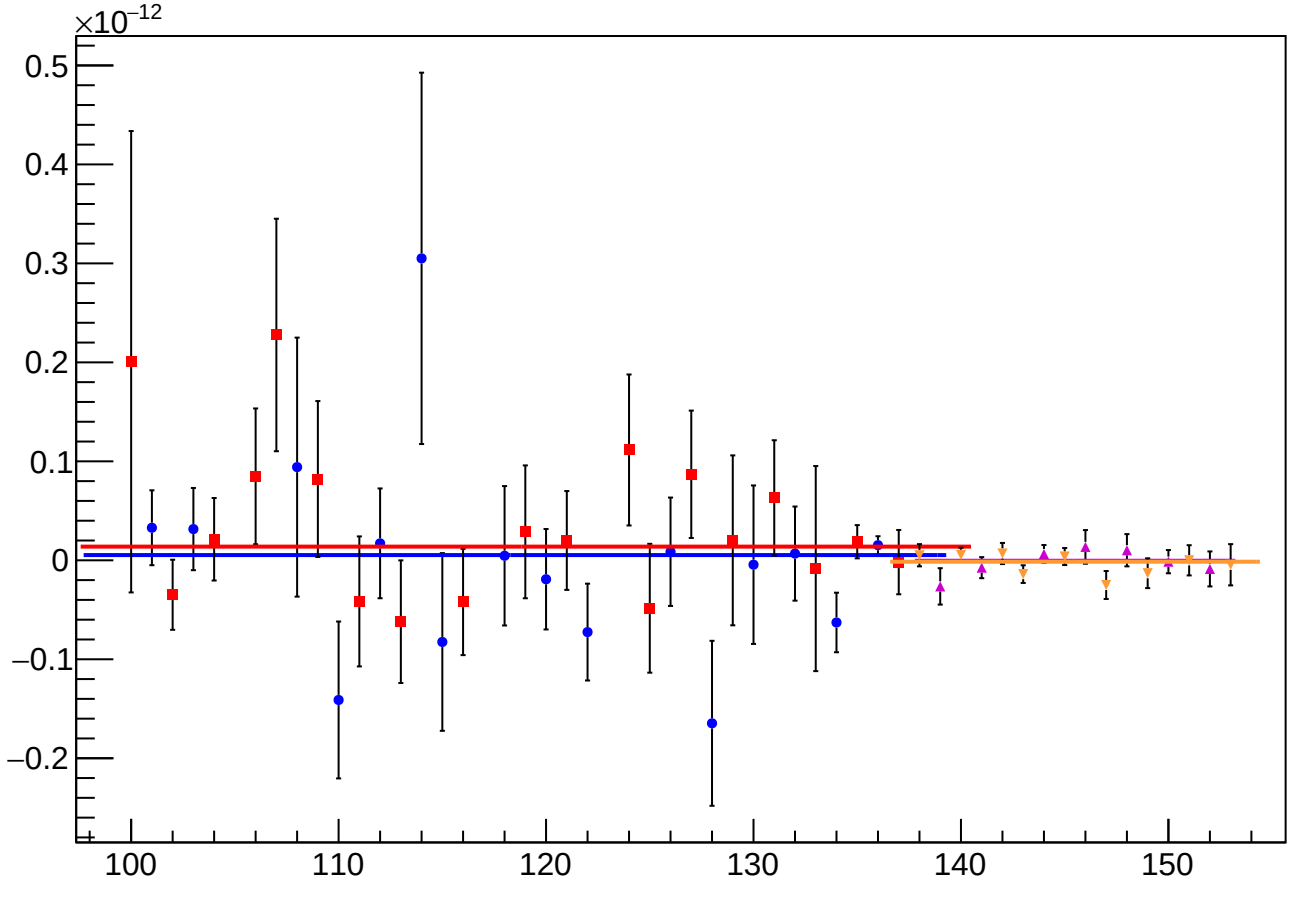
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 35.227+/-0.011 χ^2/NDF:85158.6/6

+ sign 36.419+/-0.008 χ^2/NDF: 1975701.7/24

All: 36.406+/-0.005 χ^2/NDF: 4030793.0/50

- sign 36.392+/-0.008 χ^2/NDF: 2055085.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/8

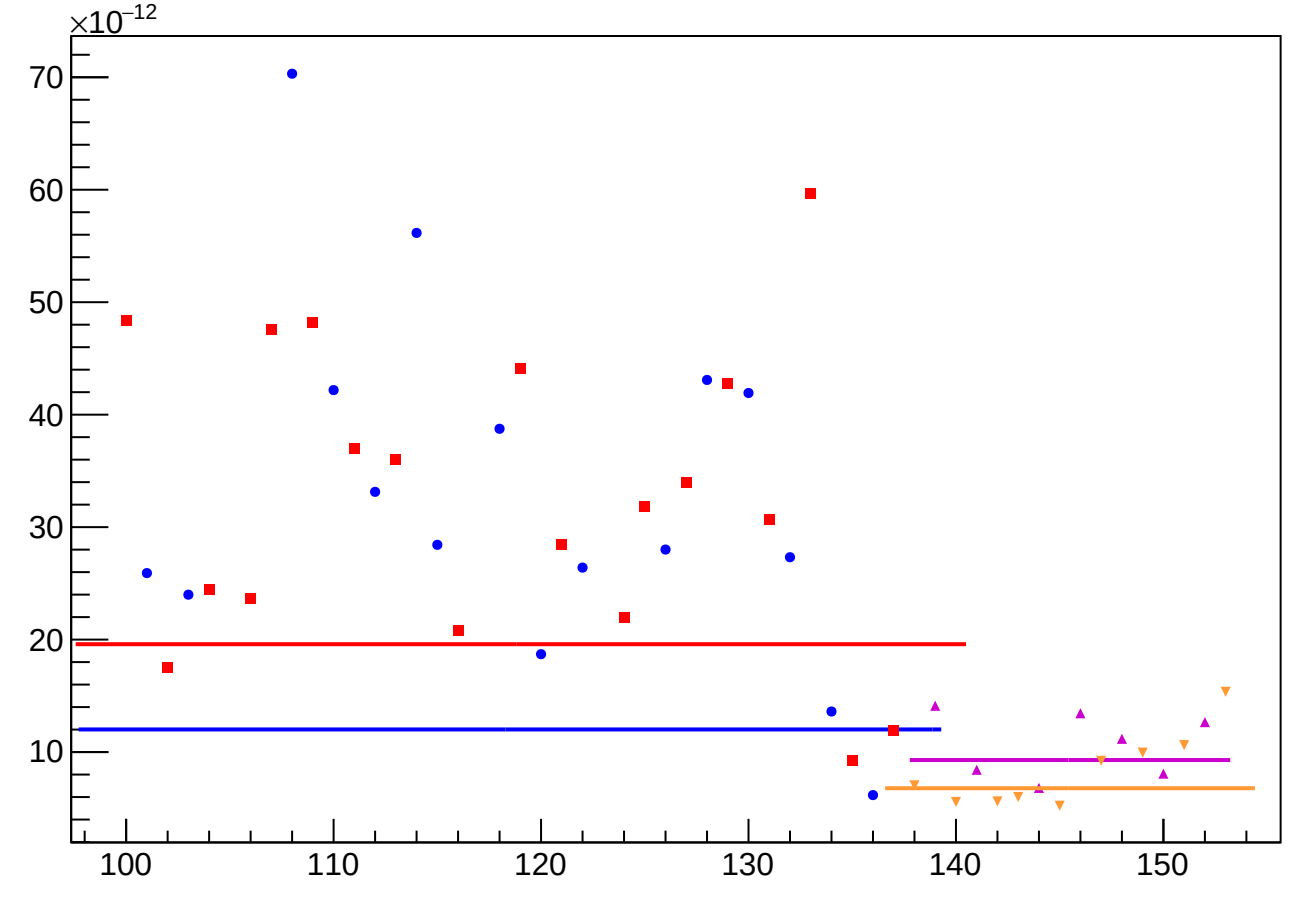
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 29.9/24

All: 0.000+/-0.000 χ^2/NDF: 51.9/50

- sign 0.000+/-0.000 χ^2/NDF: 21.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:775771.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

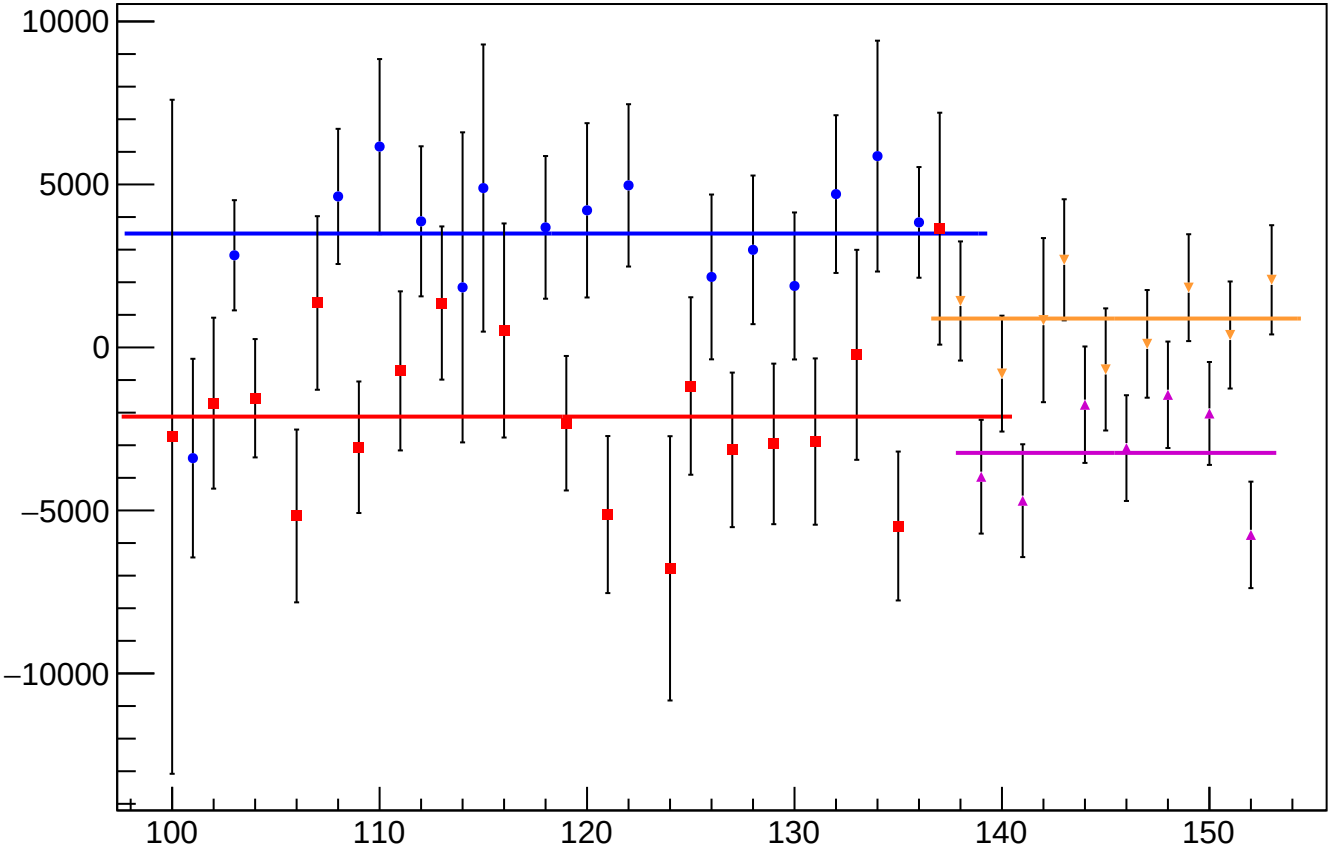
Left In: 0.000+/-0.000 χ^2/NDF:541223.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 5425734.0/24

All: 0.000+/-0.000 χ^2/NDF: 10904285.7/50

- sign 0.000+/-0.000 χ^2/NDF: 4726280.5/25

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 886.492+/-596.059 χ^2/NDF:3.8/8

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

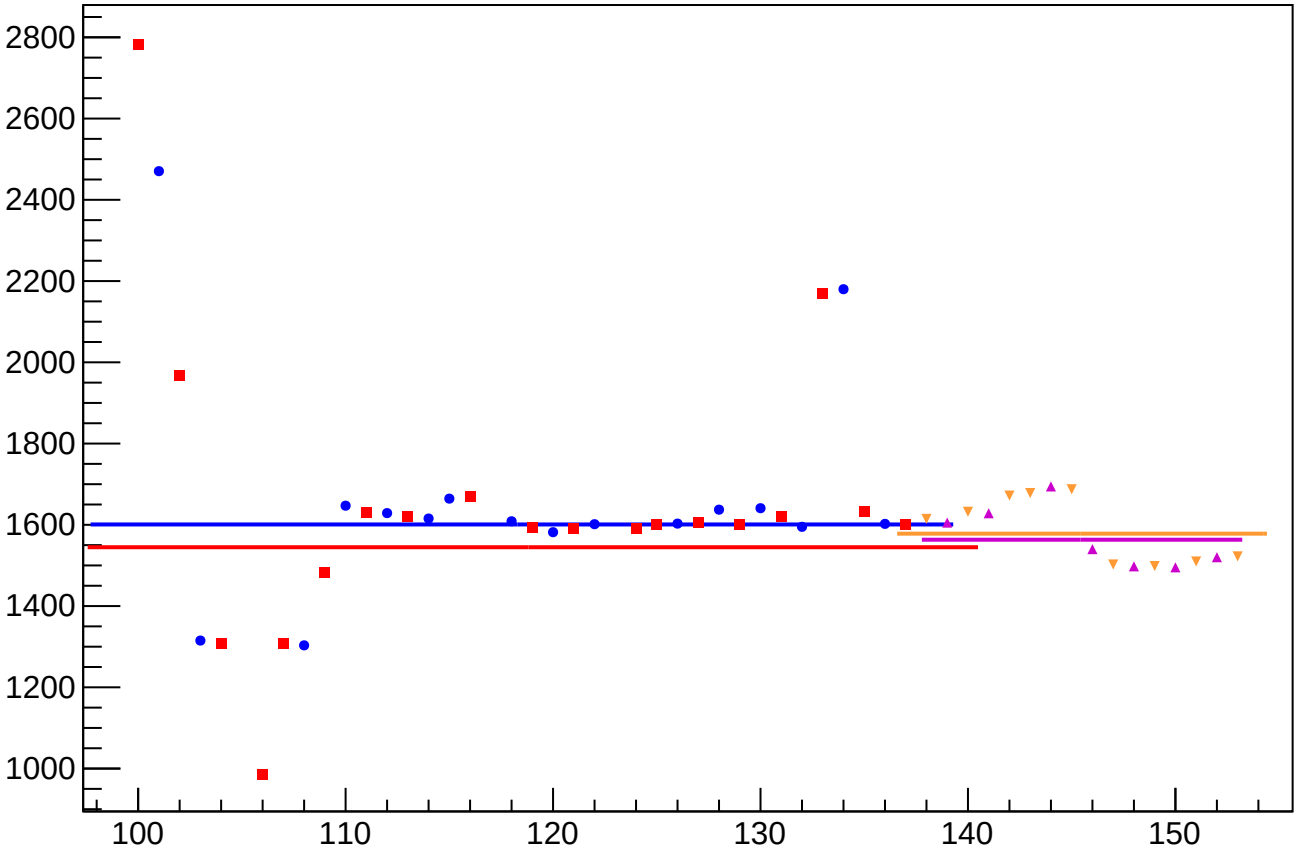
Left In: -3234.253+/-631.549 χ^2/NDF:5.7/6

+ sign 2179.272+/-423.278 χ^2/NDF: 22.1/24

All: -190.265+/-301.721 χ^2/NDF: 108.3/50

- sign -2637.947+/-430.201 χ^2/NDF: 22.5/25

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1578.221+/-0.421 χ^2/NDF:32658.1/8

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

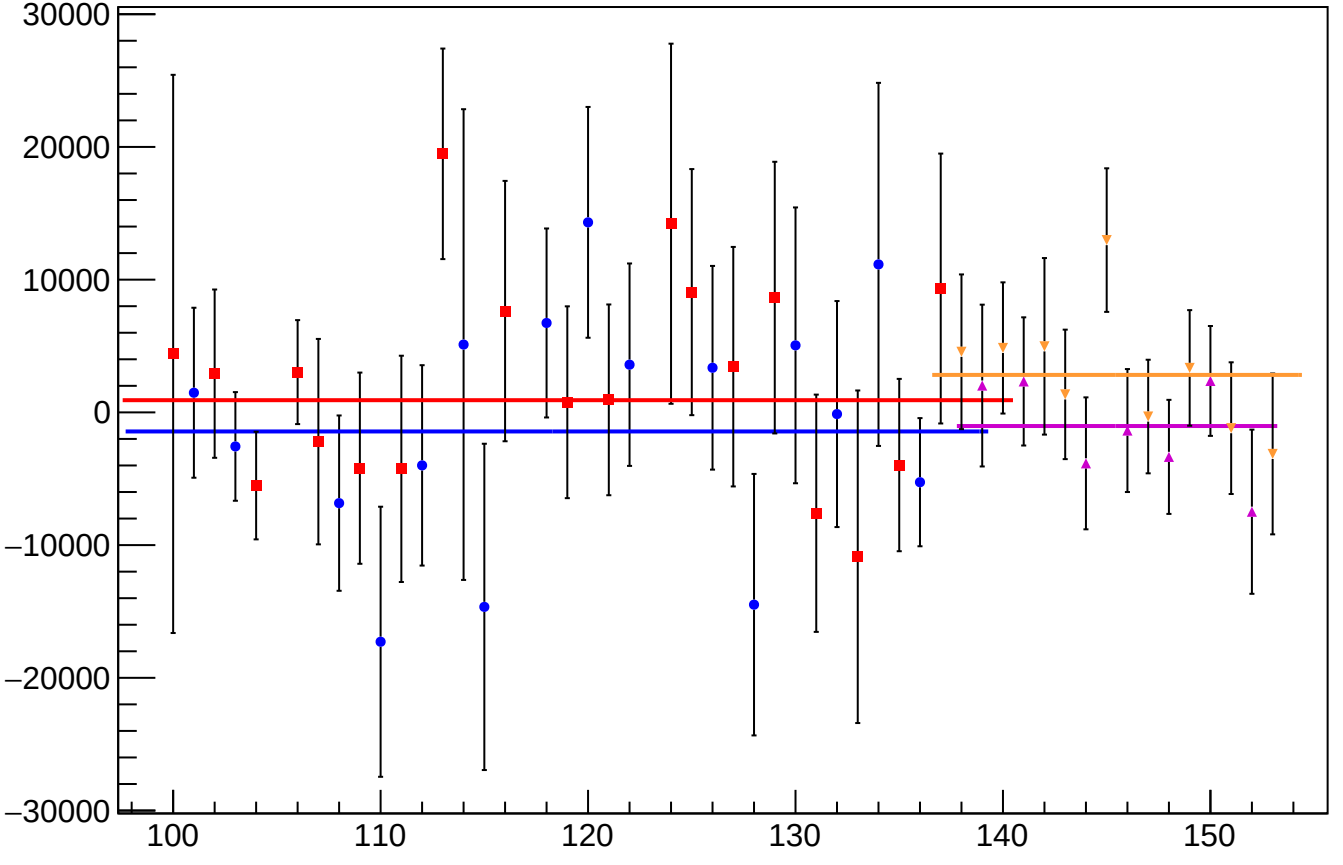
Left In: 1563.297+/-0.447 χ^2/NDF:23512.0/6

+ sign 1589.453+/-0.299 χ^2/NDF: 351504.8/24

All: 1571.473+/-0.212 χ^2/NDF: 759347.2/50

- sign 1553.233+/-0.301 χ^2/NDF: 400572.4/25

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 2823.280+/-1704.024 χ^2/NDF:6.2/8

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

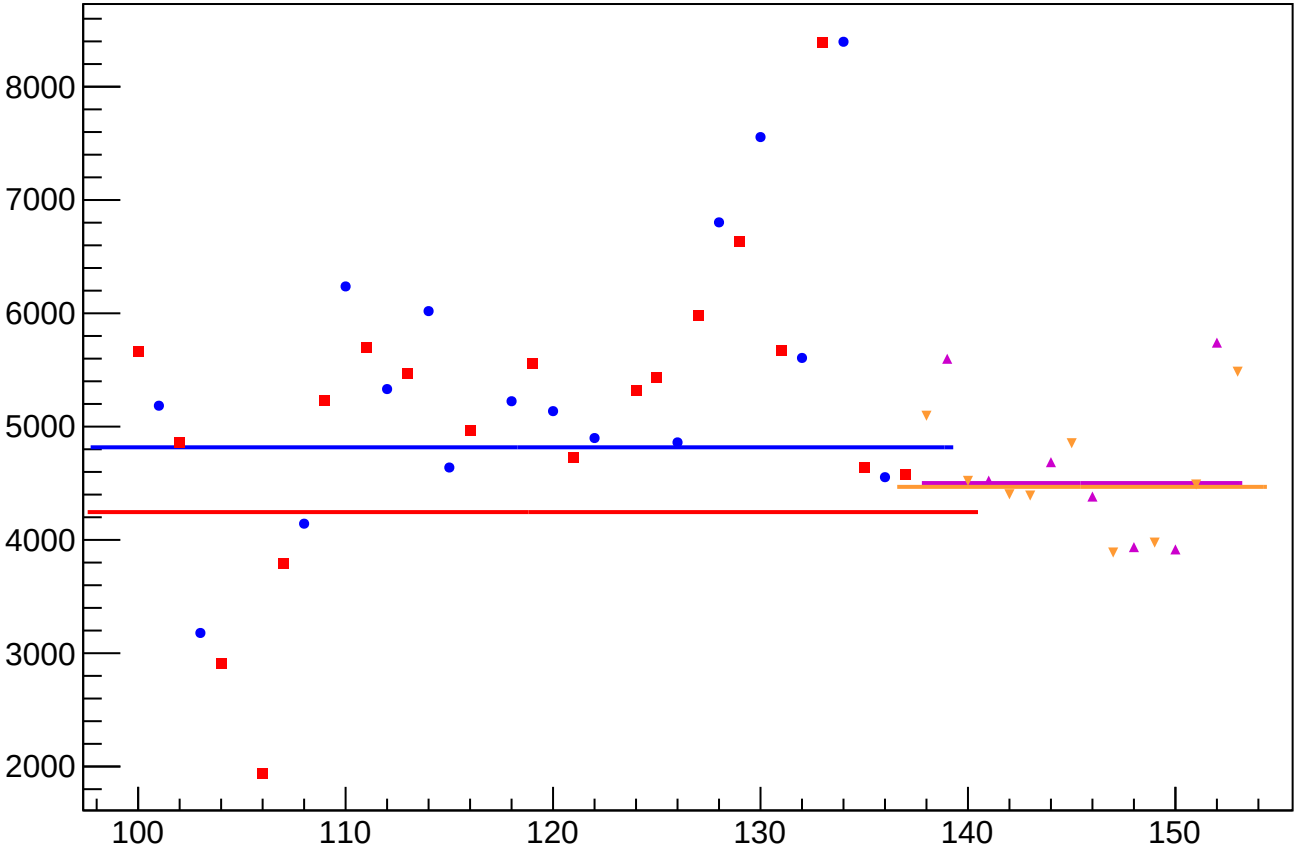
Left In: -1027.964+/-1839.448 χ^2/NDF:3.1/6

+ sign 865.815+/-1252.827 χ^2/NDF: 22.9/24

All: 447.091+/-879.928 χ^2/NDF: 42.2/50

- sign 39.440+/-1236.151 χ^2/NDF: 19.1/25

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4468.243+/-1.205 χ^2/NDF:152762.9/8

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

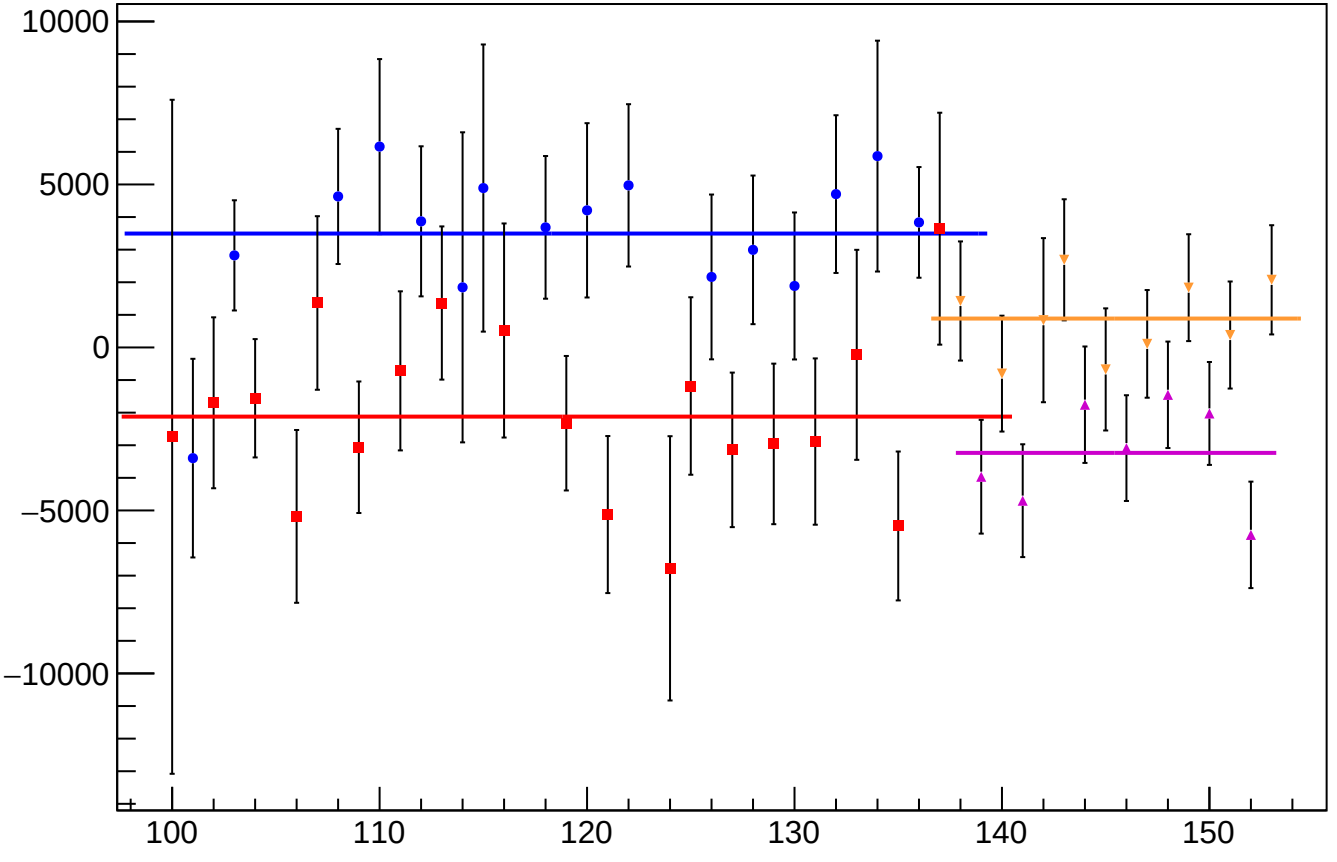
Left In: 4501.790+/-1.301 χ^2/NDF:223904.9/6

+ sign 4628.639+/-0.886 χ^2/NDF: 986761.8/24

All: 4493.159+/-0.622 χ^2/NDF: 2961269.6/50

- sign 4361.263+/-0.874 χ^2/NDF: 1928350.0/25

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 886.378+/-596.059 χ^2/NDF:3.8/8

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

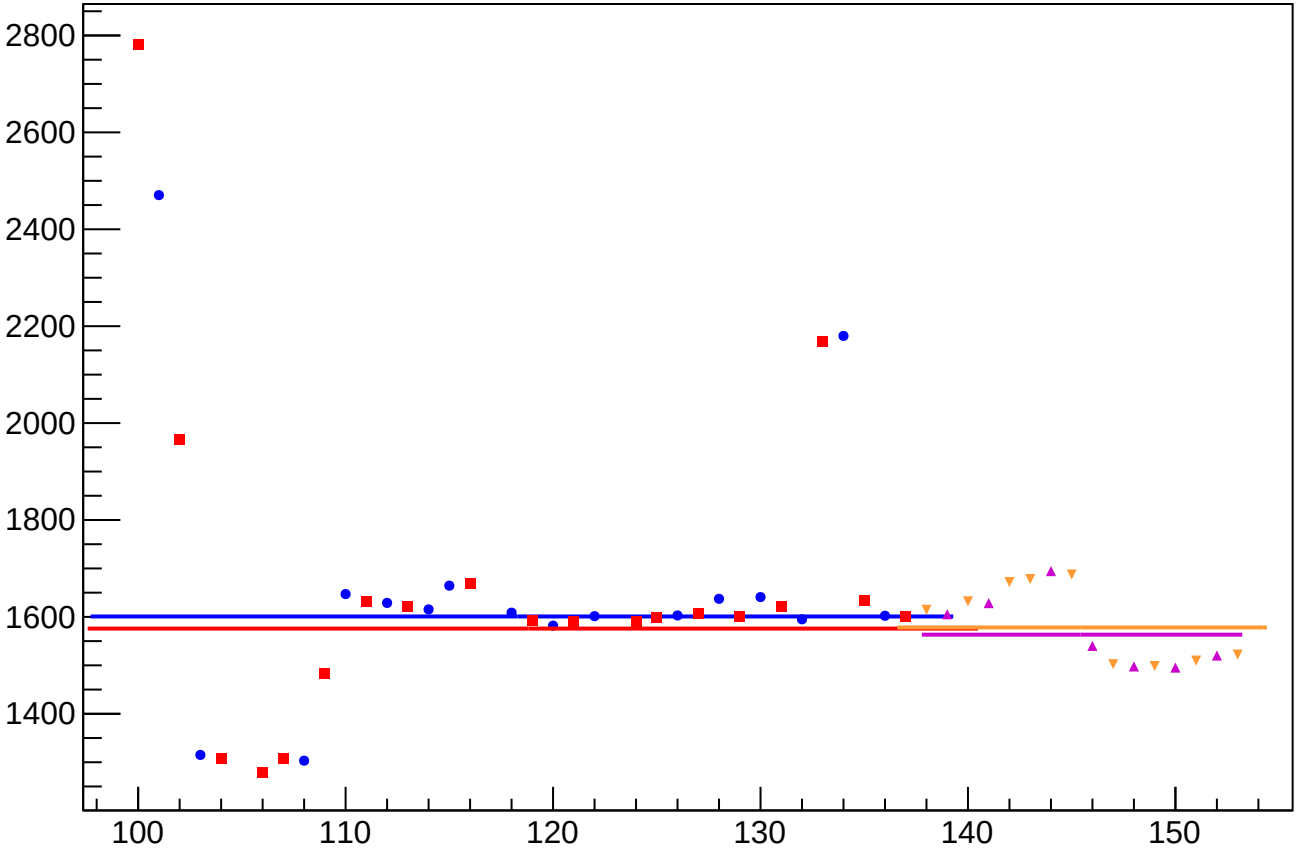
Left In: -3234.364+/-631.549 χ^2/NDF:5.7/6

+ sign 2179.048+/-423.278 χ^2/NDF: 22.1/24

All: -190.397+/-301.721 χ^2/NDF: 108.3/50

- sign -2637.996+/-430.202 χ^2/NDF: 22.5/25

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1578.221+/-0.421 χ^2/NDF:32658.1/8

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

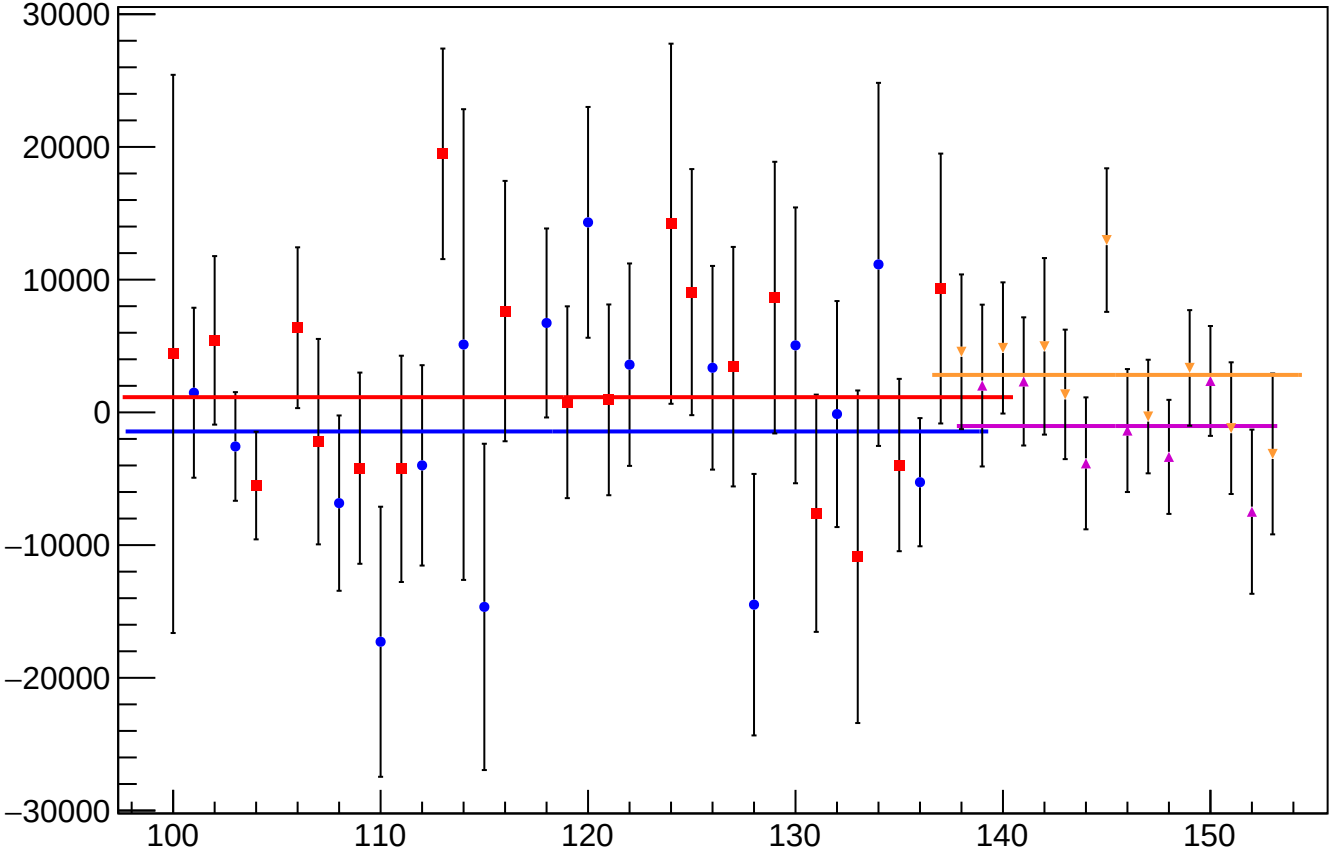
Left In: 1563.297+/-0.447 χ^2/NDF:23512.0/6

+ sign 1589.454+/-0.299 χ^2/NDF: 351503.9/24

All: 1579.902+/-0.213 χ^2/NDF: 620842.4/50

- sign 1570.077+/-0.304 χ^2/NDF: 267272.4/25

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2823.239+/-1704.020 χ^2/NDF:6.2/8

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

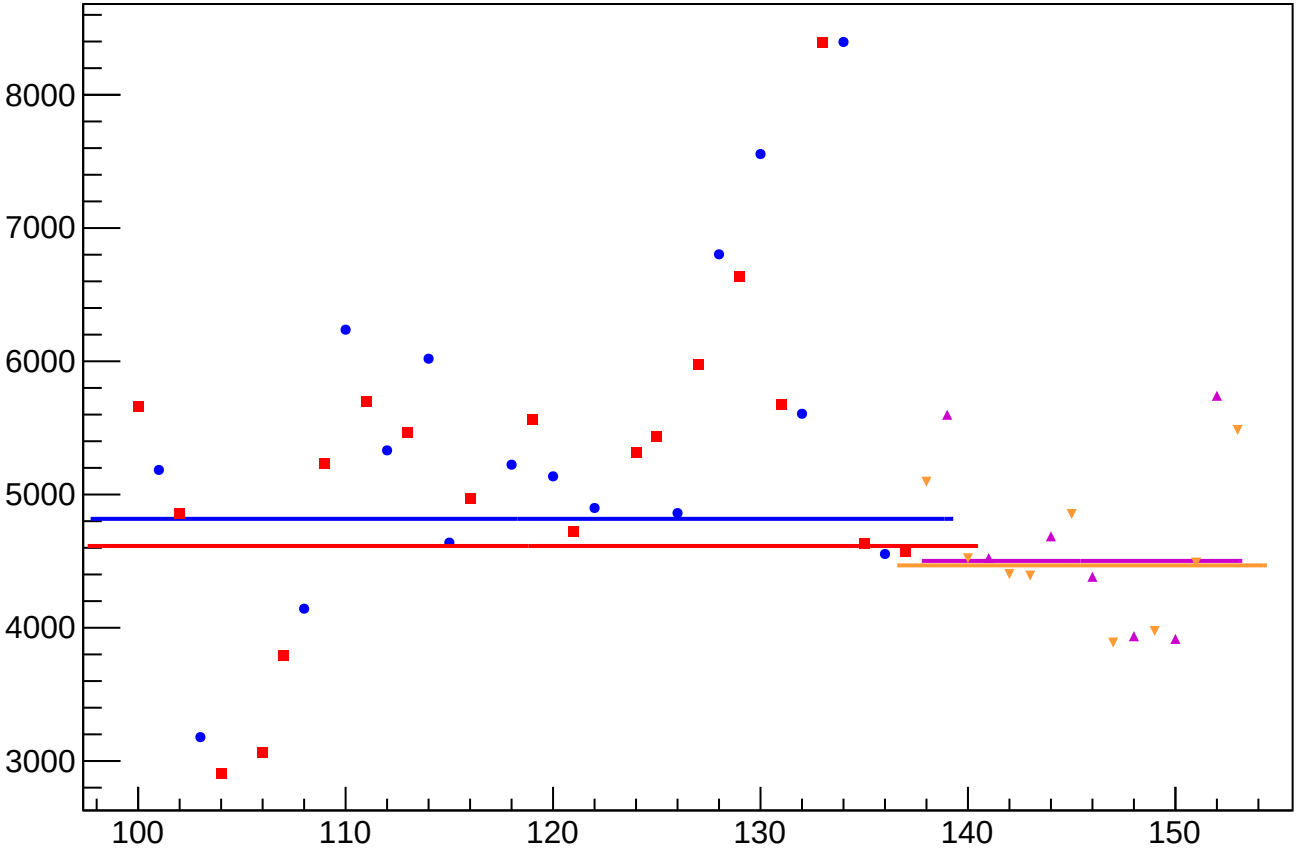
Left In: -1028.110+/-1839.448 χ^2/NDF:3.1/6

+ sign 865.729+/-1252.838 χ^2/NDF: 22.9/24

All: 490.998+/-893.172 χ^2/NDF: 43.2/50

- sign 103.686+/-1273.694 χ^2/NDF: 20.1/25

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4468.231+/-1.205 χ^2/NDF:152767.2/8

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

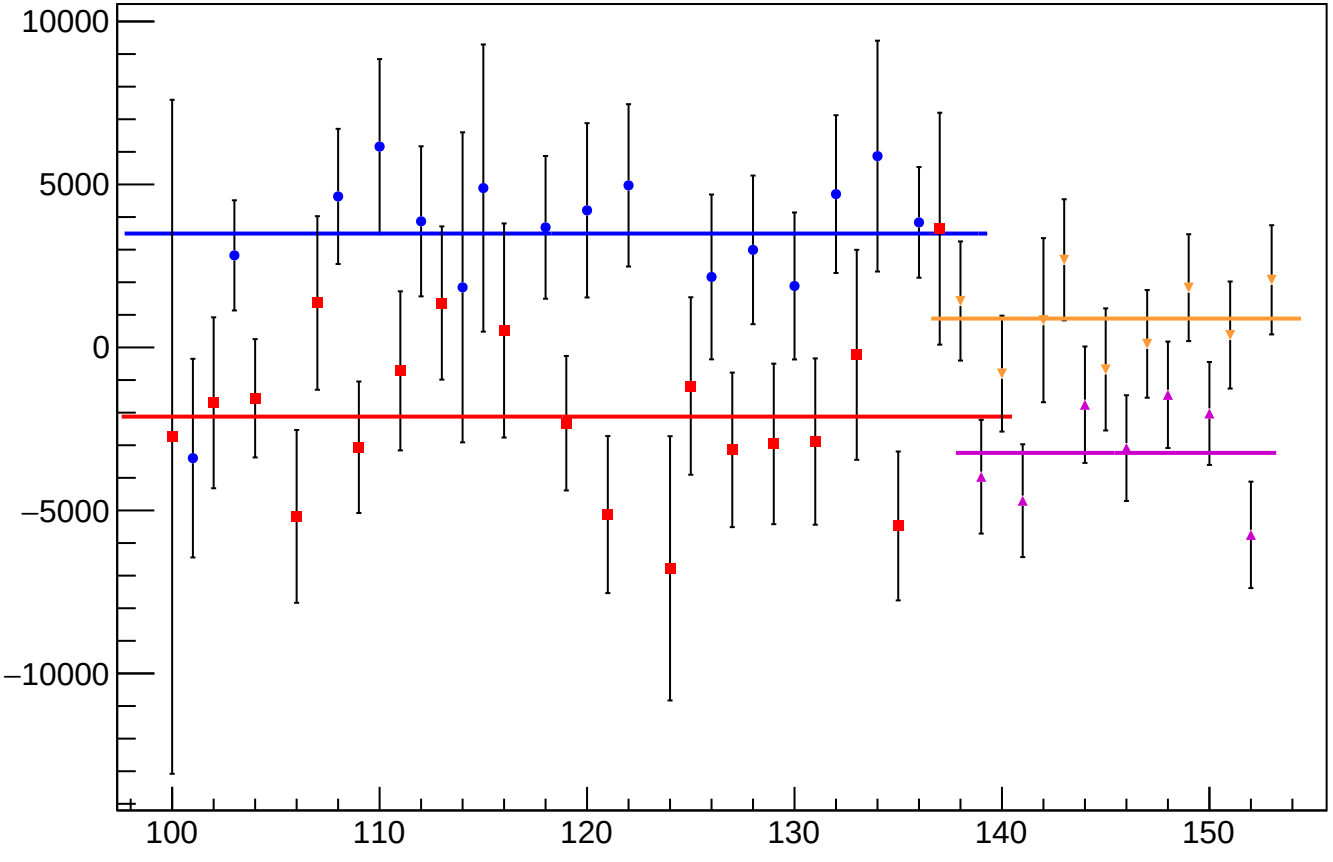
Left In: 4501.790+/-1.301 χ^2/NDF:223908.5/6

+ sign 4628.692+/-0.886 χ^2/NDF: 986600.2/24

All: 4594.973+/-0.632 χ^2/NDF: 2195276.7/50

- sign 4560.122+/-0.901 χ^2/NDF: 1205730.4/25

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 886.378+/-596.059 χ^2/NDF:3.8/8

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

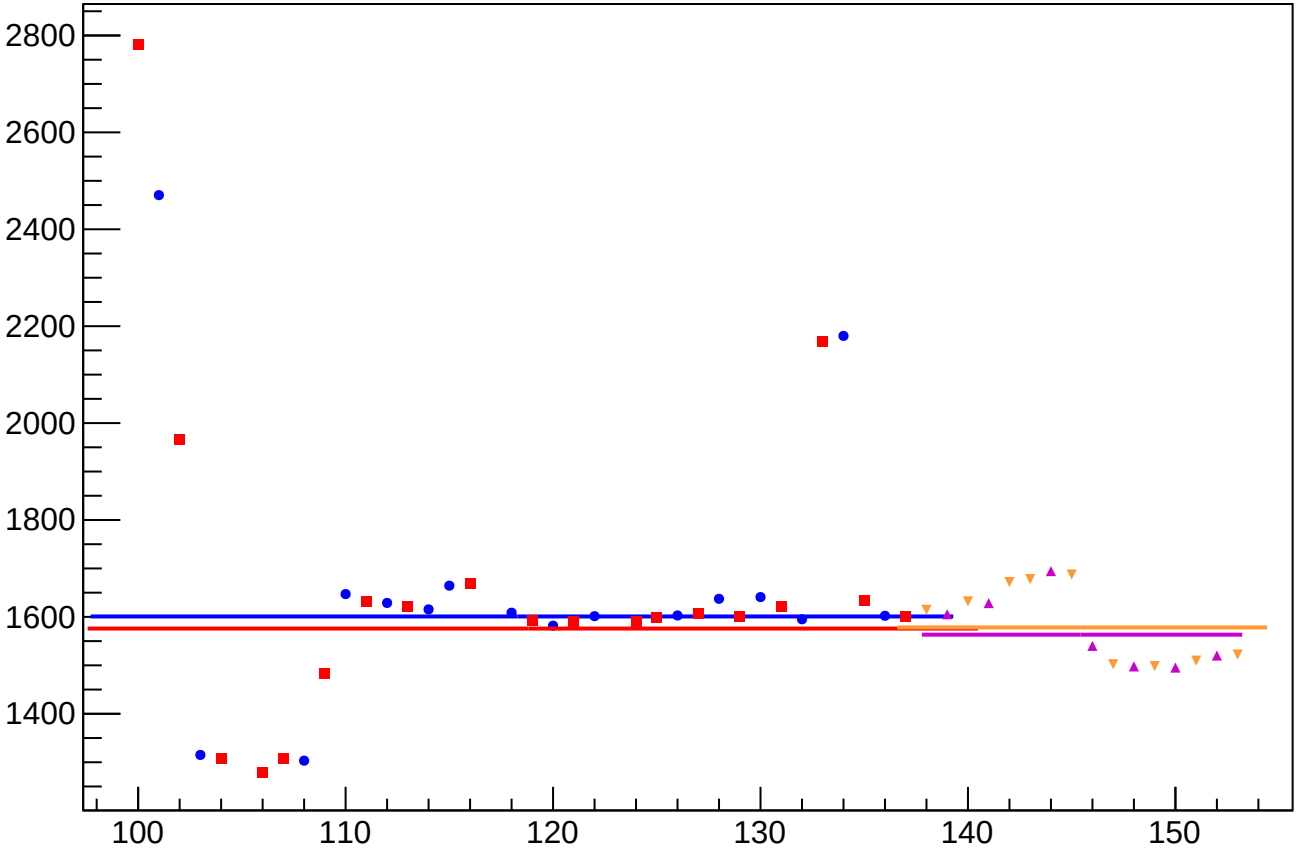
Left In: -3234.364+/-631.549 χ^2/NDF:5.7/6

+ sign 2179.048+/-423.278 χ^2/NDF: 22.1/24

All: -190.397+/-301.721 χ^2/NDF: 108.3/50

- sign -2637.996+/-430.202 χ^2/NDF: 22.5/25

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1578.221+/-0.421 χ^2/NDF:32658.1/8

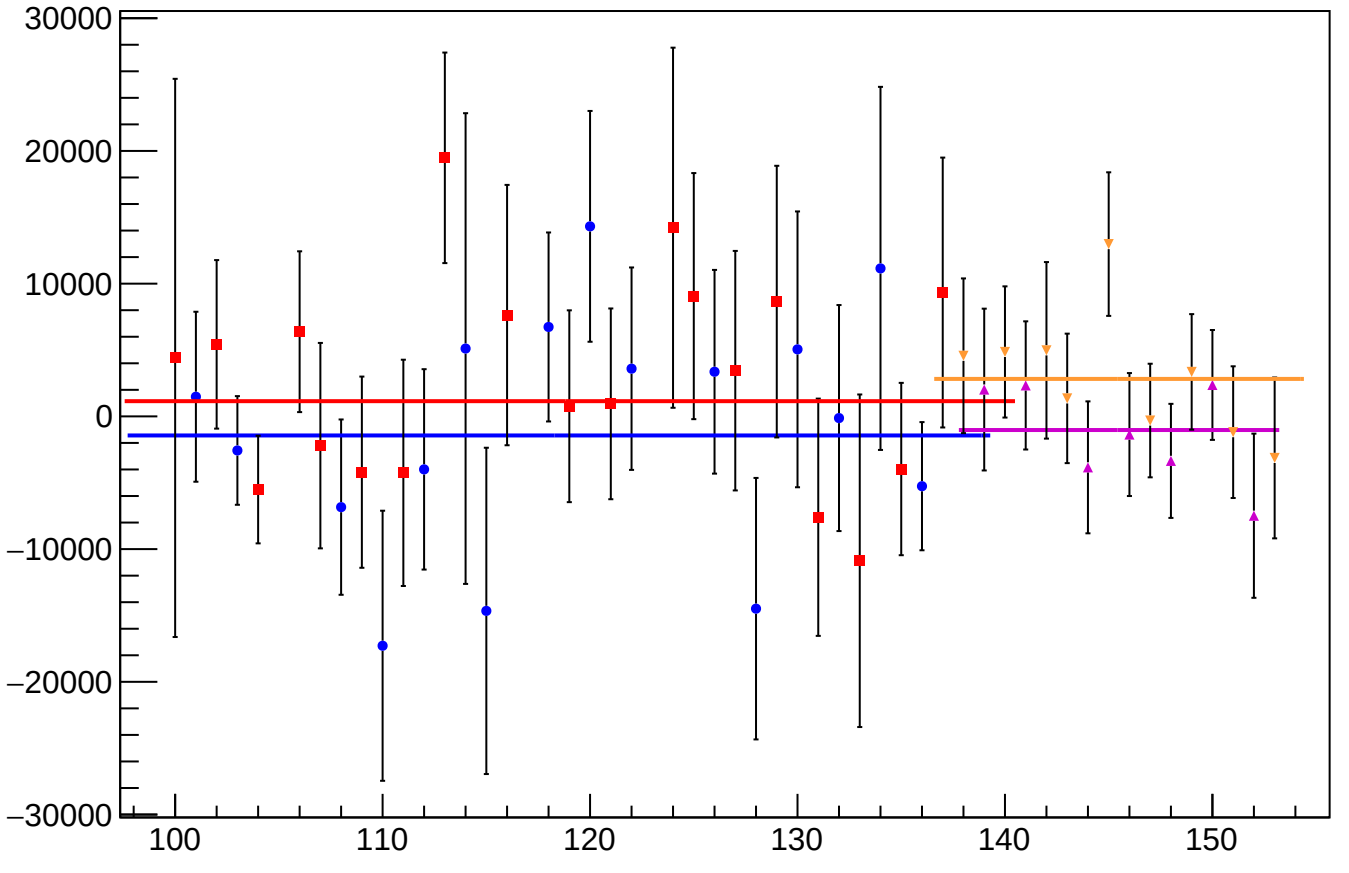
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1563.297+/-0.447 χ^2/NDF:23512.0/6

+ sign 1589.454+/-0.299 χ^2/NDF: 351503.9/24

All: 1579.902+/-0.213 χ^2/NDF: 620842.4/50

- sign 1570.077+/-0.304 χ^2/NDF: 267272.4/25



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2823.239+/-1704.020 χ^2/NDF:6.2/8

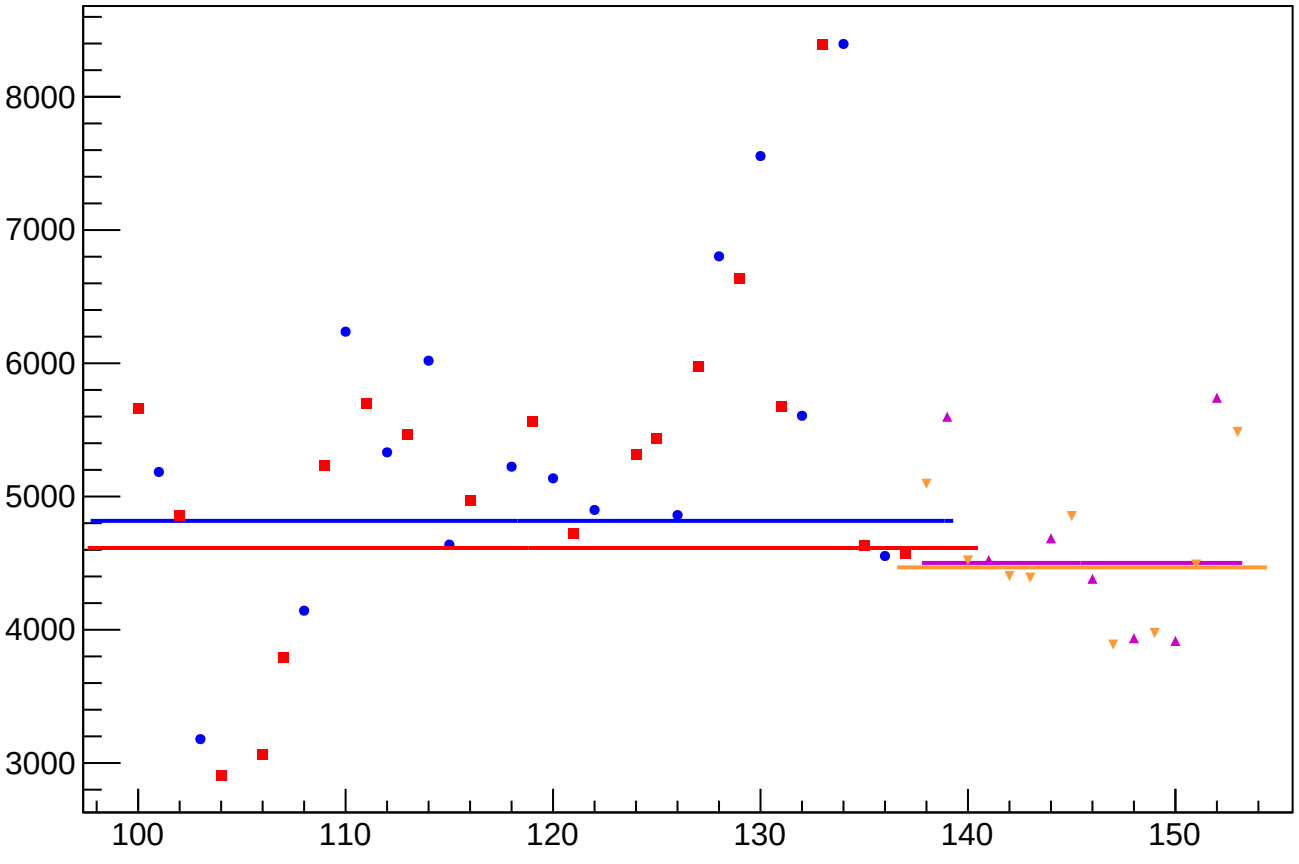
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -1028.110+/-1839.448 χ^2/NDF:3.1/6

+ sign 865.729+/-1252.838 χ^2/NDF: 22.9/24

All: 490.998+/-893.172 χ^2/NDF: 43.2/50

- sign 103.686+/-1273.694 χ^2/NDF: 20.1/25



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4468.231+/-1.205 χ^2/NDF:152767.2/8

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

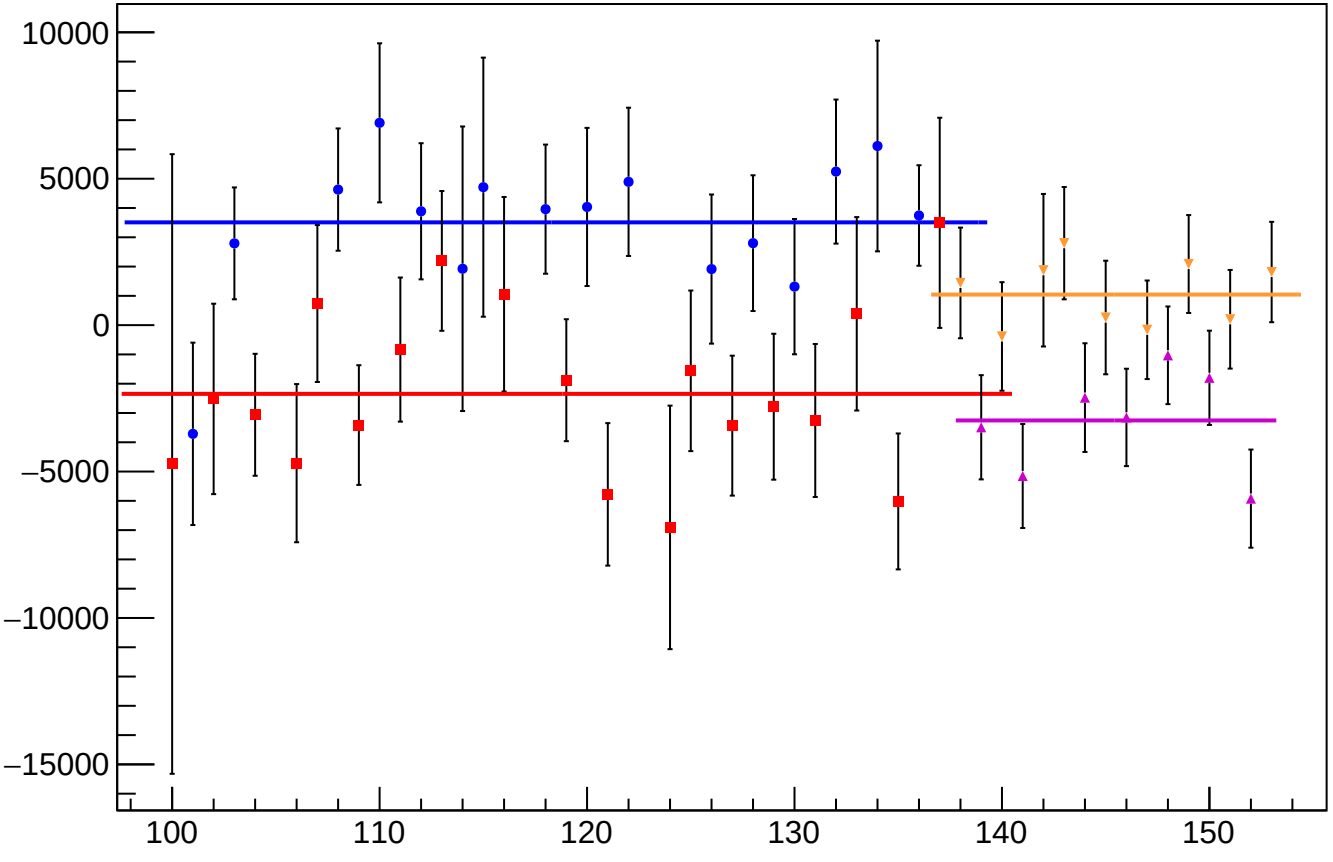
Left In: 4501.790+/-1.301 χ^2/NDF:223908.5/6

+ sign 4628.692+/-0.886 χ^2/NDF: 986600.2/24

All: 4594.973+/-0.632 χ^2/NDF: 2195276.7/5

- sign 4560.122+/-0.901 χ^2/NDF: 1205730.4/25

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1043.773+/-613.113 χ^2/NDF:3.1/8

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

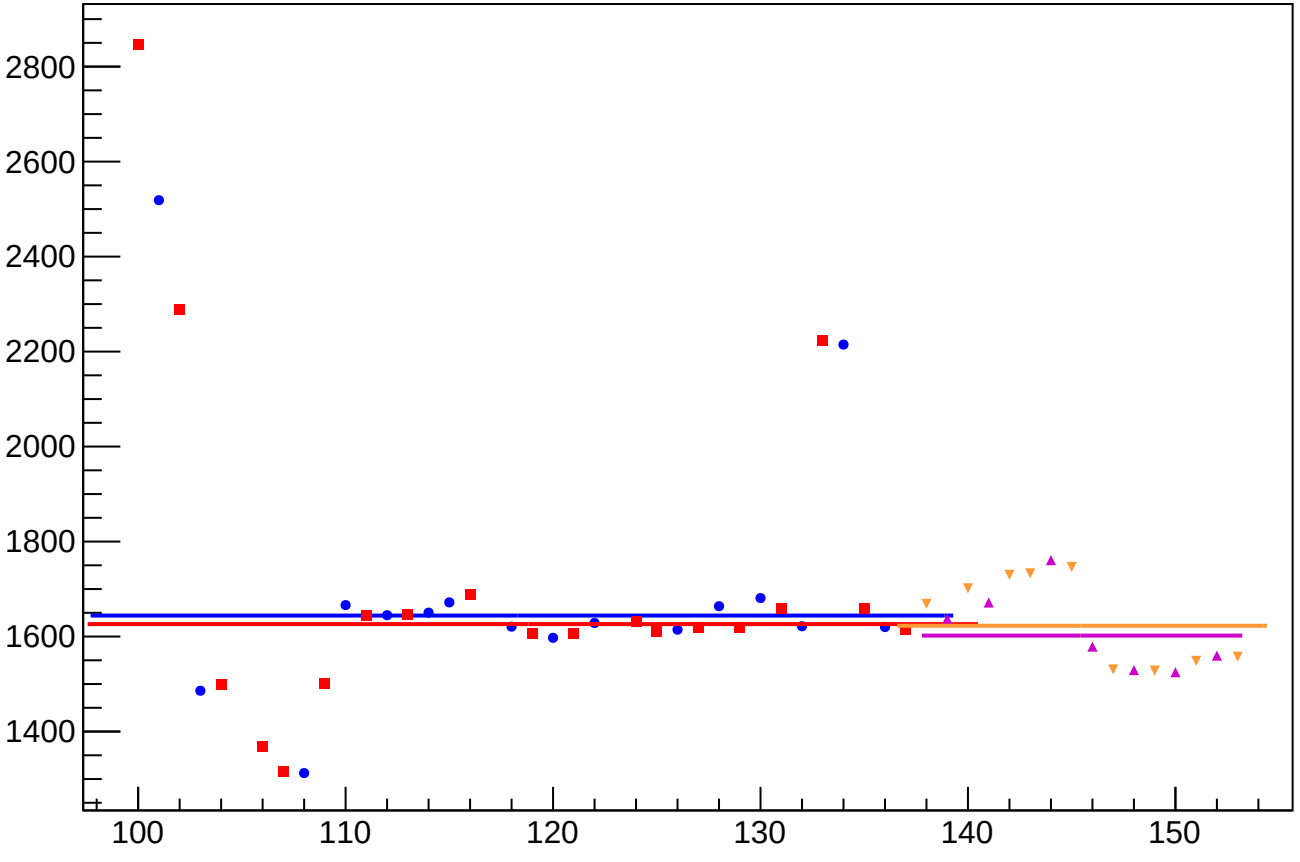
Left In: -3254.596+/-647.352 χ^2/NDF:6.5/6

+ sign 2269.400+/-434.808 χ^2/NDF: 21.5/24

All: -204.293+/-310.307 χ^2/NDF: 112.1/50

- sign -2771.930+/-442.987 χ^2/NDF: 24.6/25

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1622.728+/-0.434 χ^2/NDF:42078.0/8

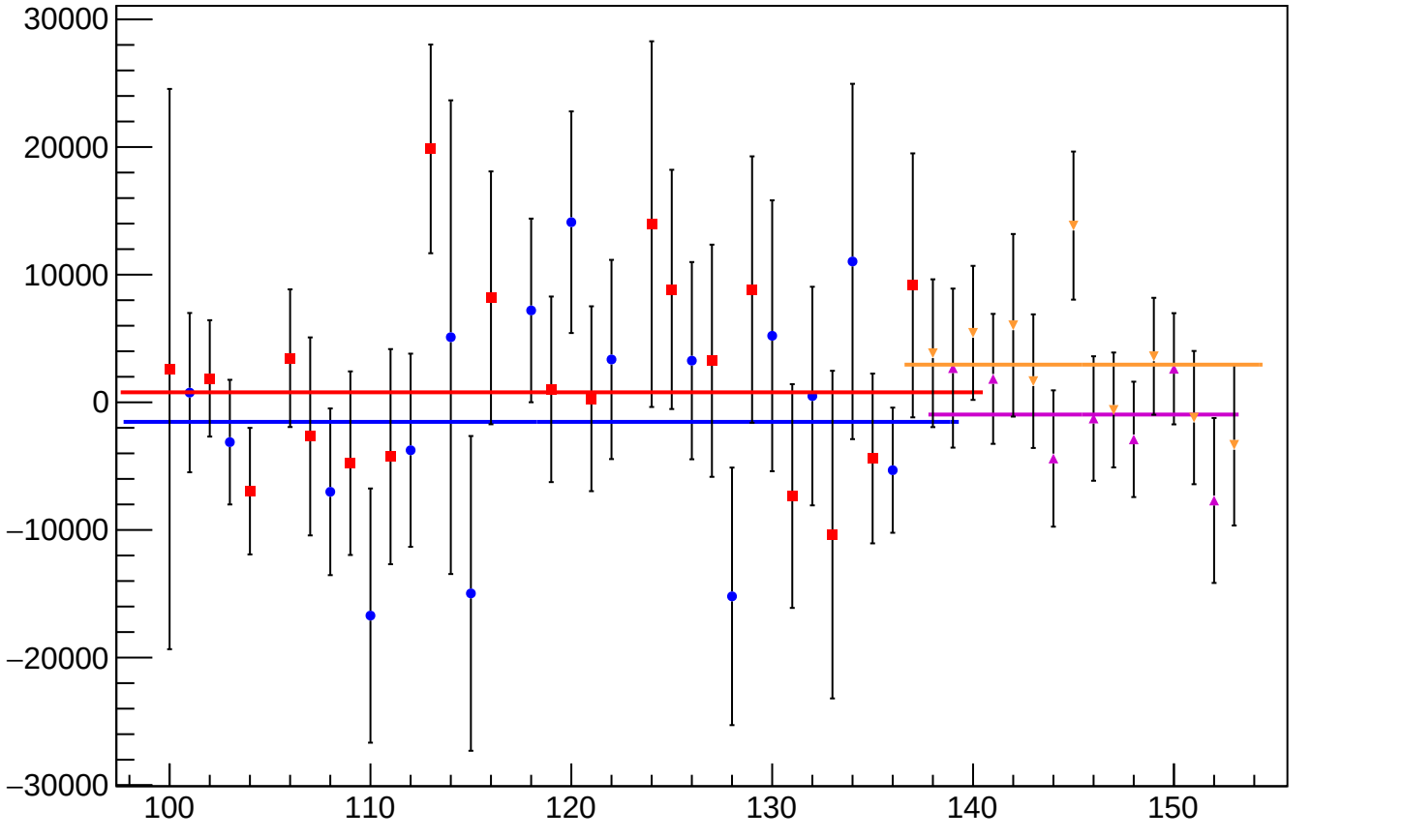
Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1602.011+/-0.458 χ^2/NDF:28563.6/6

+ sign 1633.400+/-0.307 χ^2/NDF: 318115.0/24

All: 1624.303+/-0.219 χ^2/NDF: 587583.9/50

- sign 1614.870+/-0.313 χ^2/NDF: 267685.7/25



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 2951.391+/-1794.173 χ^2/NDF:6.3/8

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

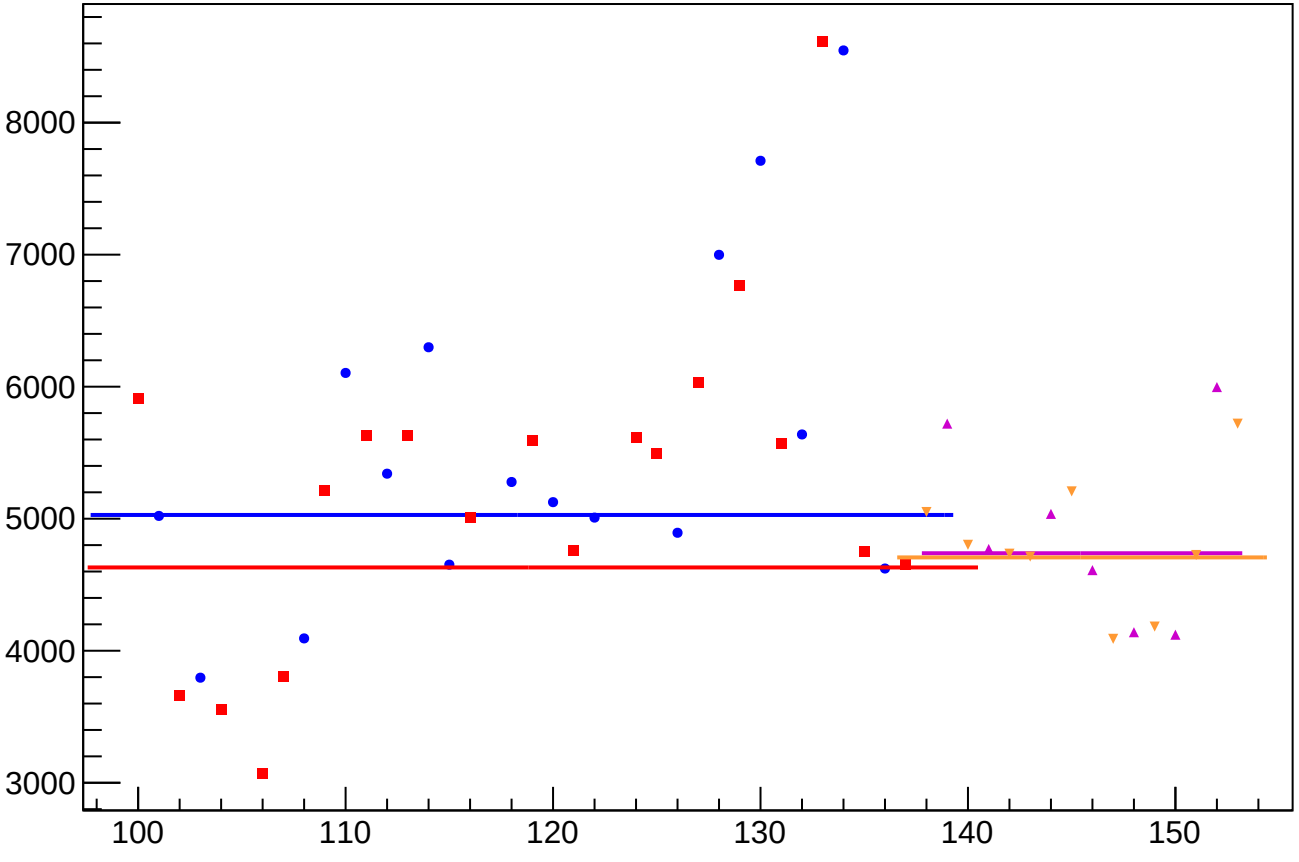
Left In: -957.953+/-1934.983 χ^2/NDF:3.0/6

+ sign 854.136+/-1308.921 χ^2/NDF: 23.1/24

All: 423.818+/-921.423 χ^2/NDF: 41.8/50

- sign 1.084+/-1297.335 χ^2/NDF: 18.5/25

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4706.849+/-1.269 χ^2/NDF:137716.6/8

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

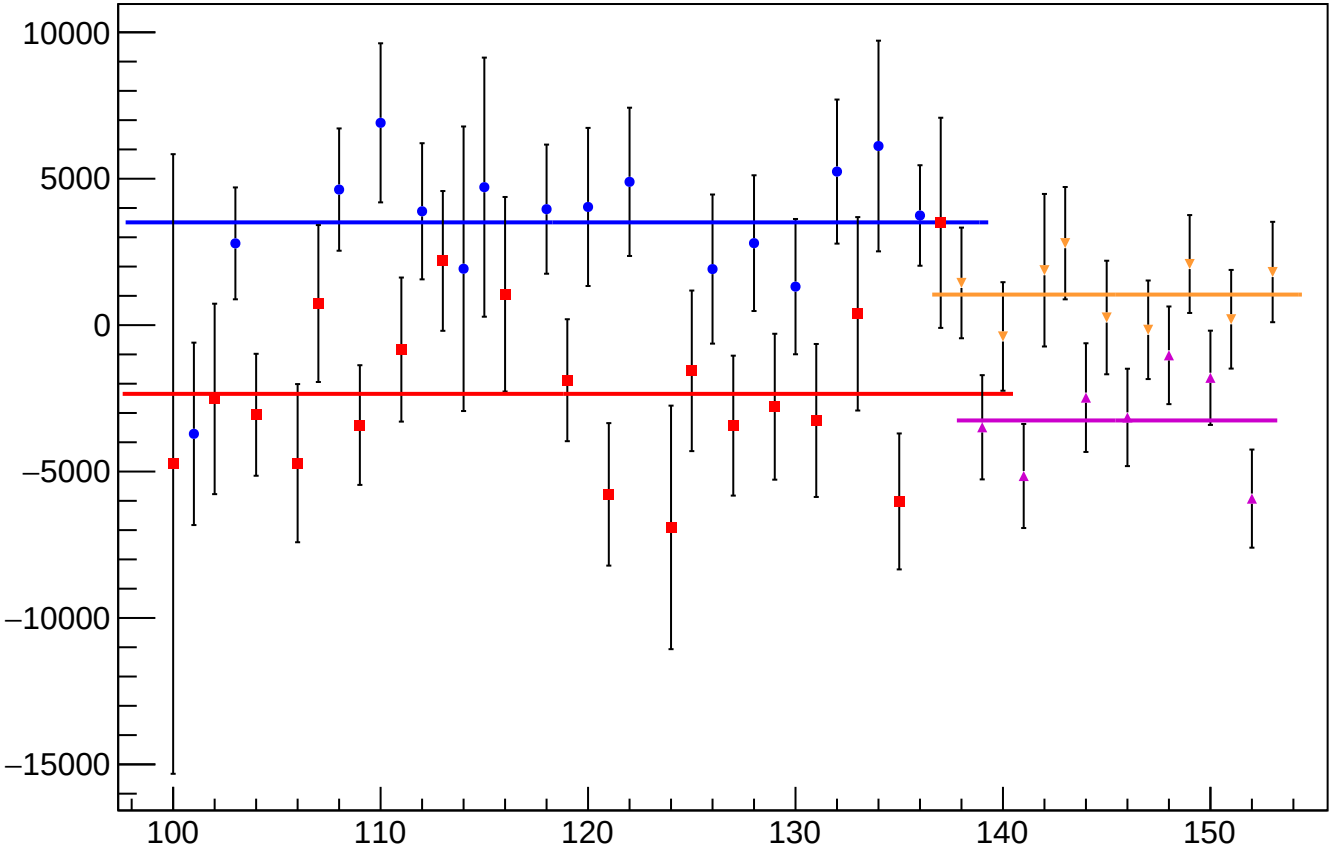
Left In: 4738.414+/-1.368 χ^2/NDF:208432.9/6

+ sign 4857.285+/-0.926 χ^2/NDF: 733244.5/24

All: 4767.466+/-0.652 χ^2/NDF: 1827260.2/50

- sign 4679.231+/-0.917 χ^2/NDF: 1075346.7/25

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1043.770+/-613.113 χ^2/NDF:3.1/8

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

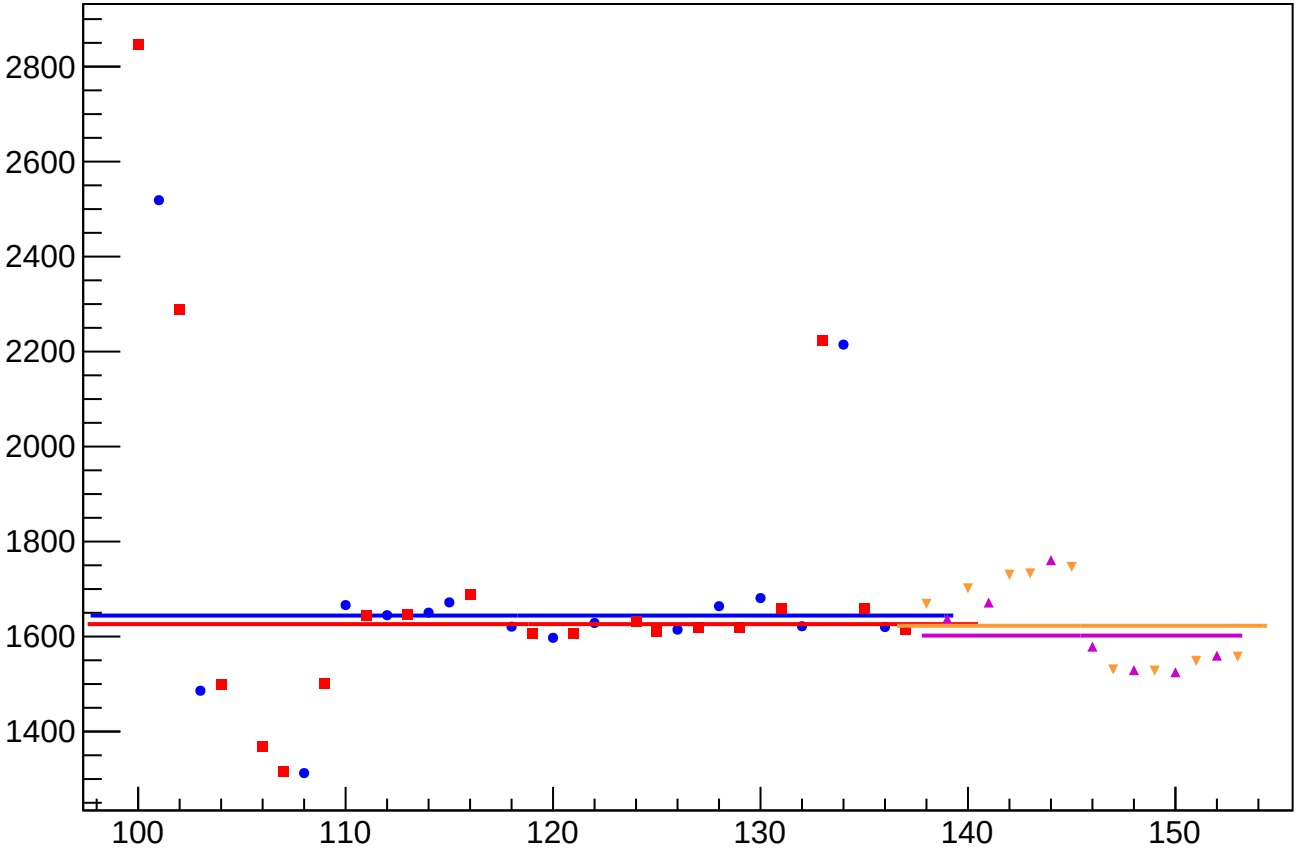
Left In: -3254.593+/-647.352 χ^2/NDF:6.5/6

+ sign 2269.400+/-434.808 χ^2/NDF: 21.5/24

All: -204.293+/-310.307 χ^2/NDF: 112.1/50

- sign -2771.931+/-442.987 χ^2/NDF: 24.6/25

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1622.729+/-0.434 χ^2/NDF:42078.2/8

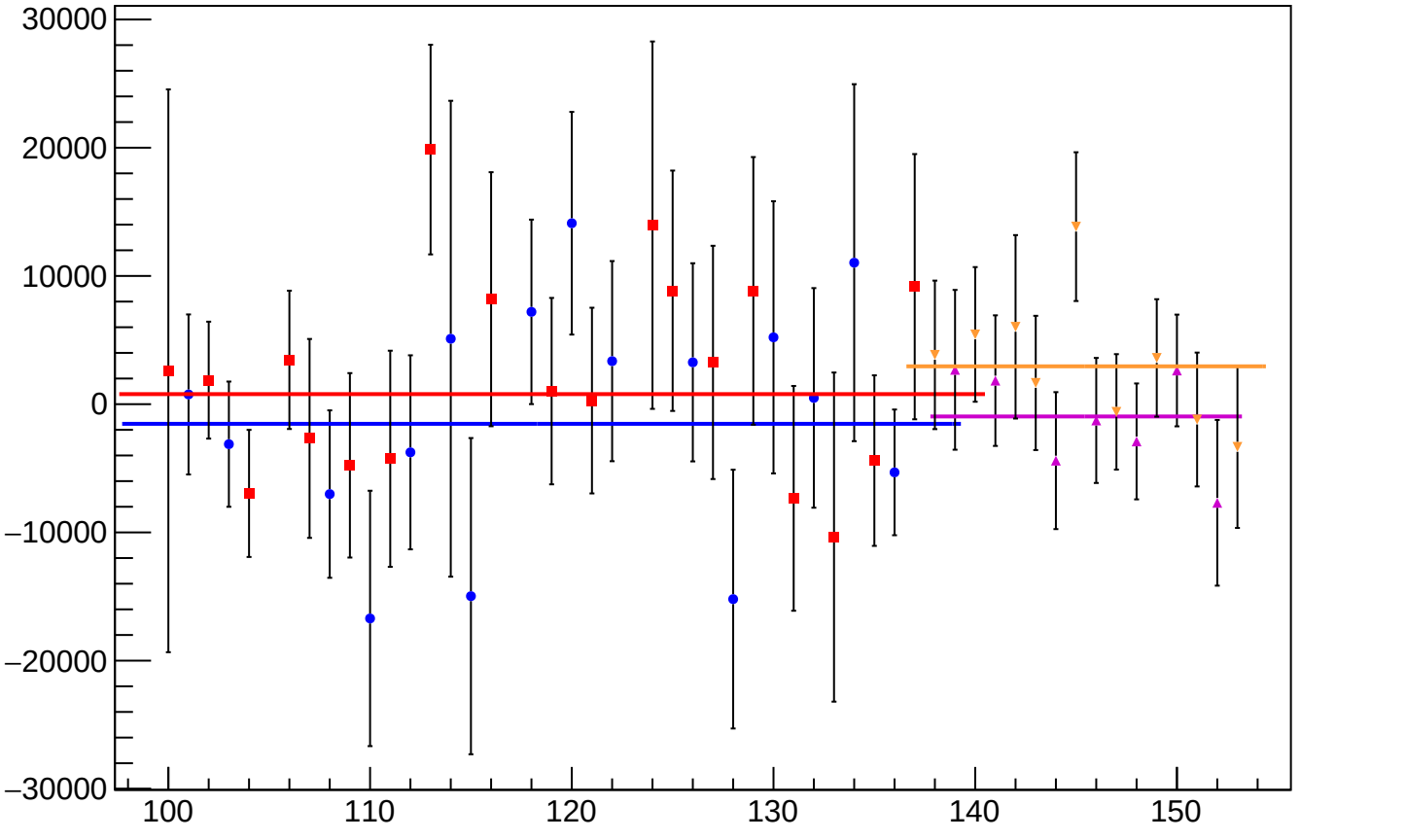
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1602.012+/-0.458 χ^2/NDF:28563.6/6

+ sign 1633.400+/-0.307 χ^2/NDF: 318115.2/24

All: 1624.303+/-0.219 χ^2/NDF: 587583.5/50

- sign 1614.870+/-0.313 χ^2/NDF: 267685.1/25



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 2951.389+/-1794.176 χ^2/NDF:6.3/8

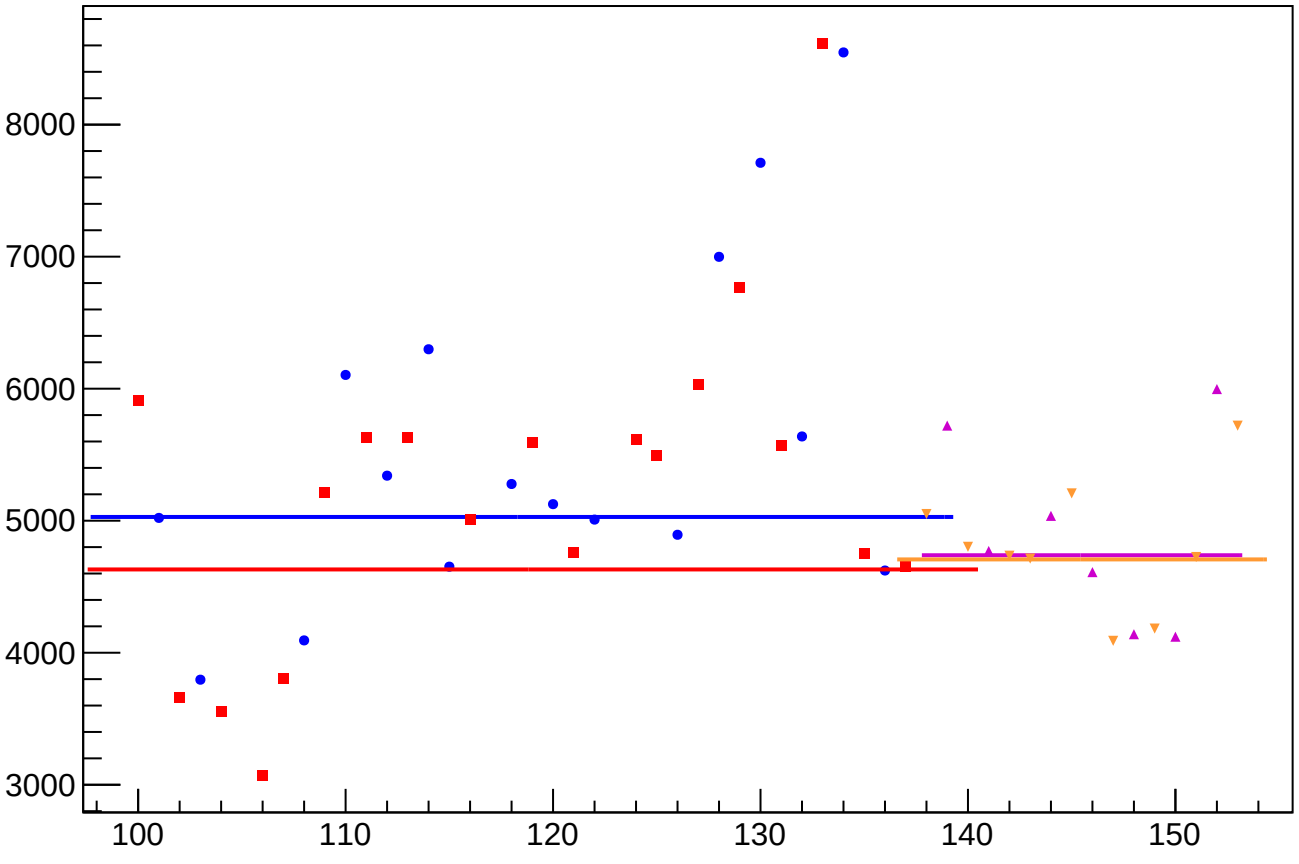
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -957.951+/-1934.985 χ^2/NDF:3.0/6

+ sign 854.135+/-1308.921 χ^2/NDF: 23.1/24

All: 423.820+/-921.423 χ^2/NDF: 41.8/50

- sign 1.088+/-1297.335 χ^2/NDF: 18.5/25



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4706.857+/-1.269 χ^2/NDF:137716.5/8

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

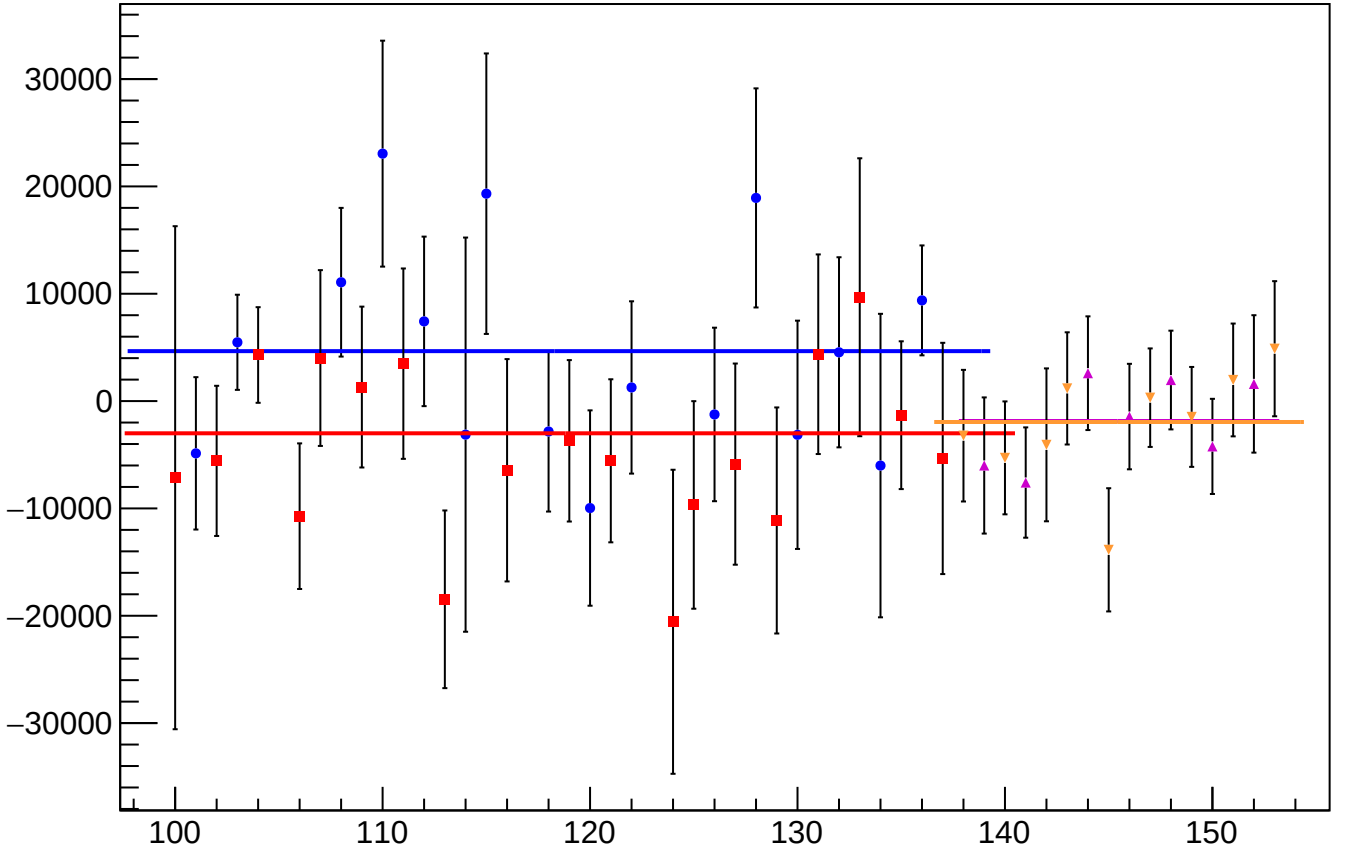
Left In: 4738.421+/-1.368 χ^2/NDF:208432.2/6

+ sign 4857.286+/-0.926 χ^2/NDF: 733235.6/24

All: 4767.467+/-0.652 χ^2/NDF: 1827245.9/50

- sign 4679.230+/-0.917 χ^2/NDF: 1075341.0/25

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -1948.392+/-1812.169 χ^2/NDF:7.2/8

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

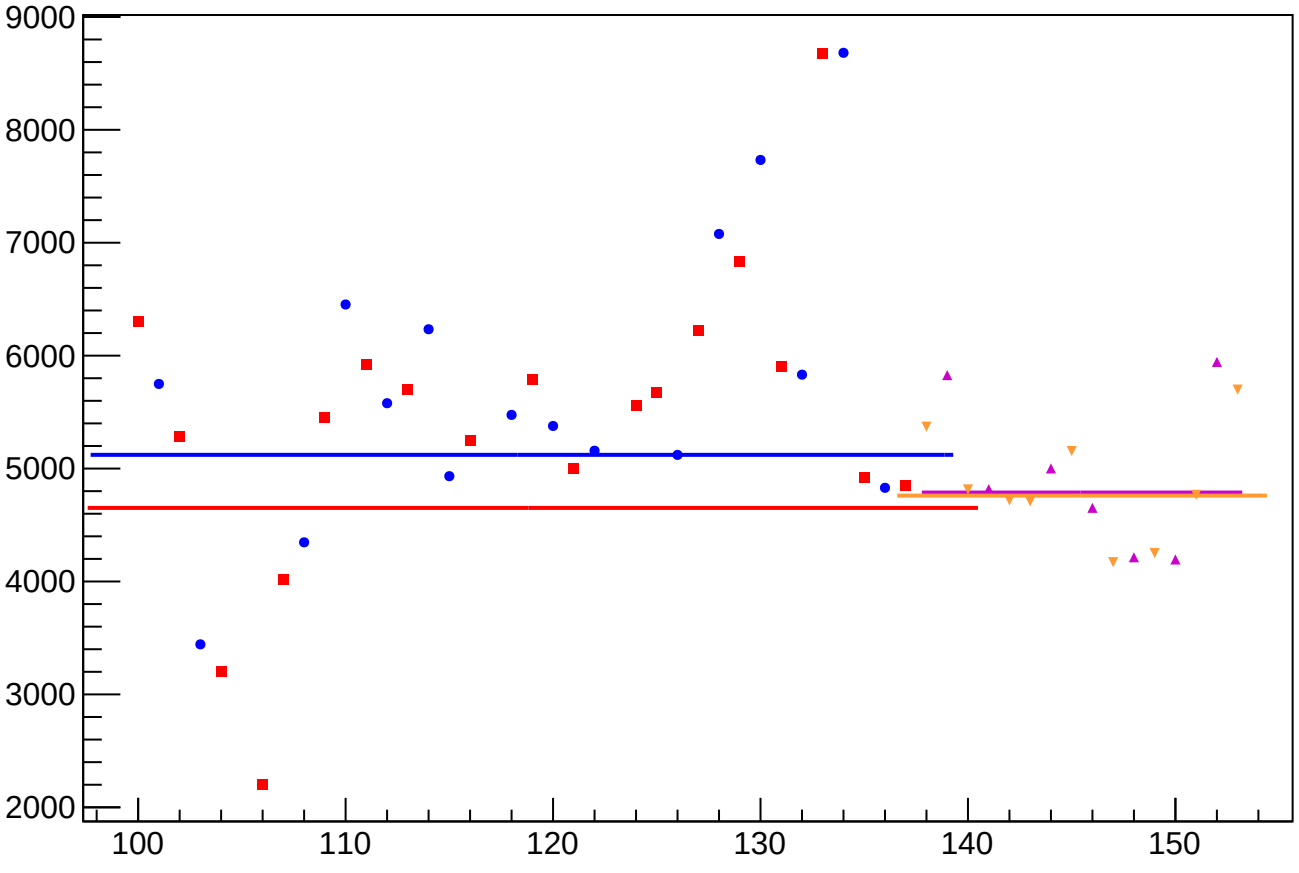
Left In: -1856.141+/-1952.321 χ^2/NDF:3.7/6

+ sign 1096.575+/-1330.123 χ^2/NDF: 28.8/24

All: -643.174+/-949.301 χ^2/NDF: 50.0/50

- sign -2449.301+/-1355.260 χ^2/NDF: 17.7/25

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4760.510+/-1.281 χ^2/NDF:131170.2/8

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

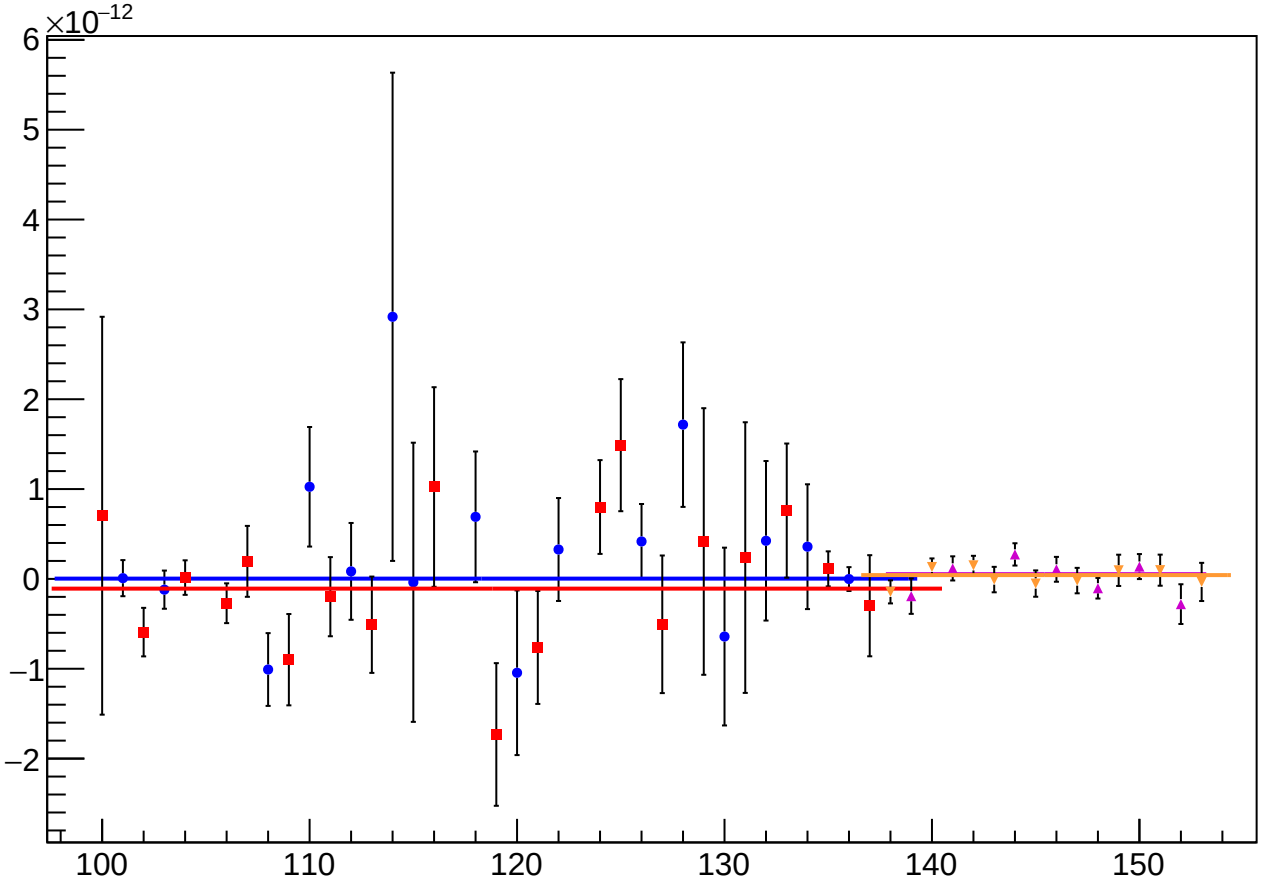
Left In: 4787.637+/-1.380 χ^2/NDF:190766.8/6

+ sign 4927.083+/-0.941 χ^2/NDF: 888176.2/24

All: 4820.627+/-0.664 χ^2/NDF: 2454595.3/50

- sign 4714.574+/-0.939 χ^2/NDF: 1540845.3/25

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/8

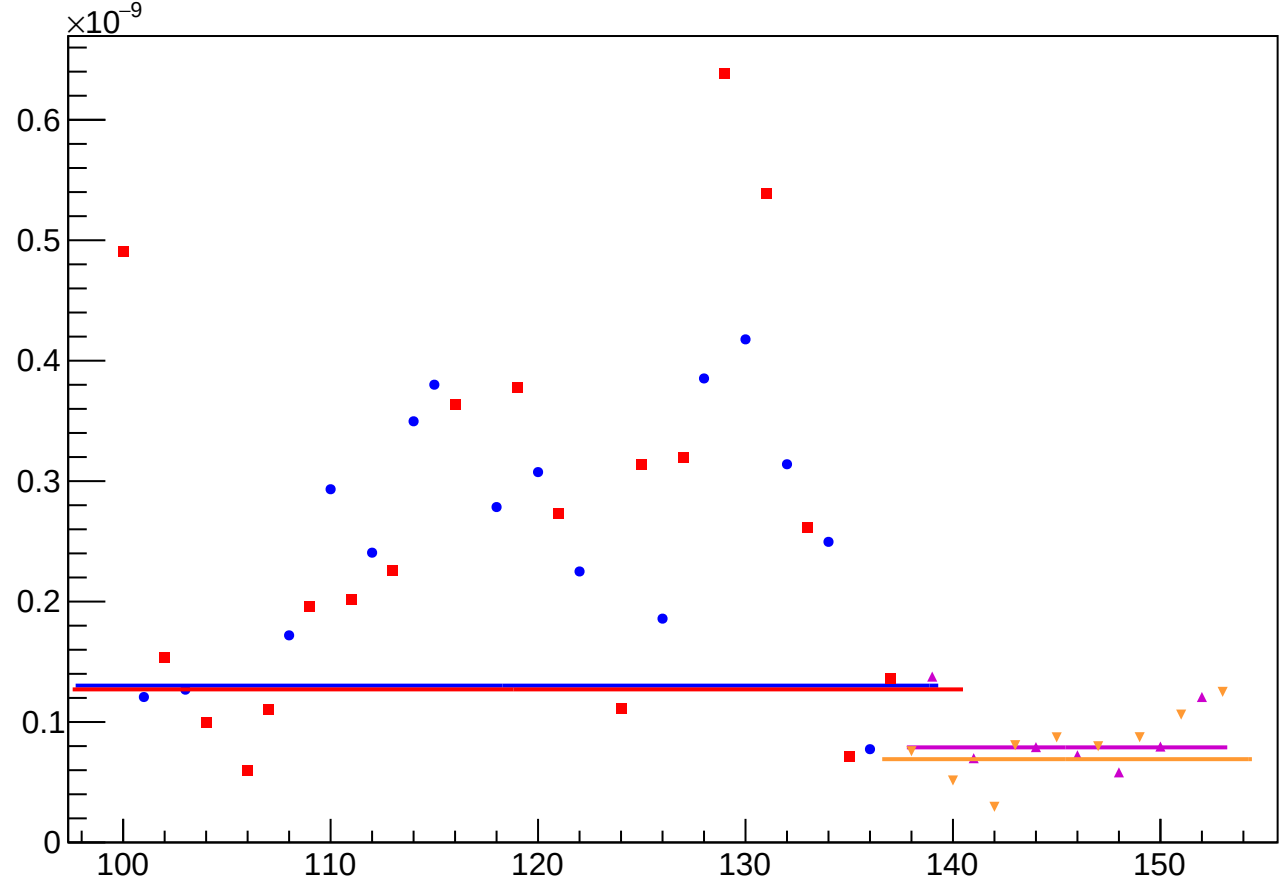
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 23.3/24

All: 0.000+/-0.000 χ^2/NDF: 60.5/50

- sign 0.000+/-0.000 χ^2/NDF: 37.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:657115.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

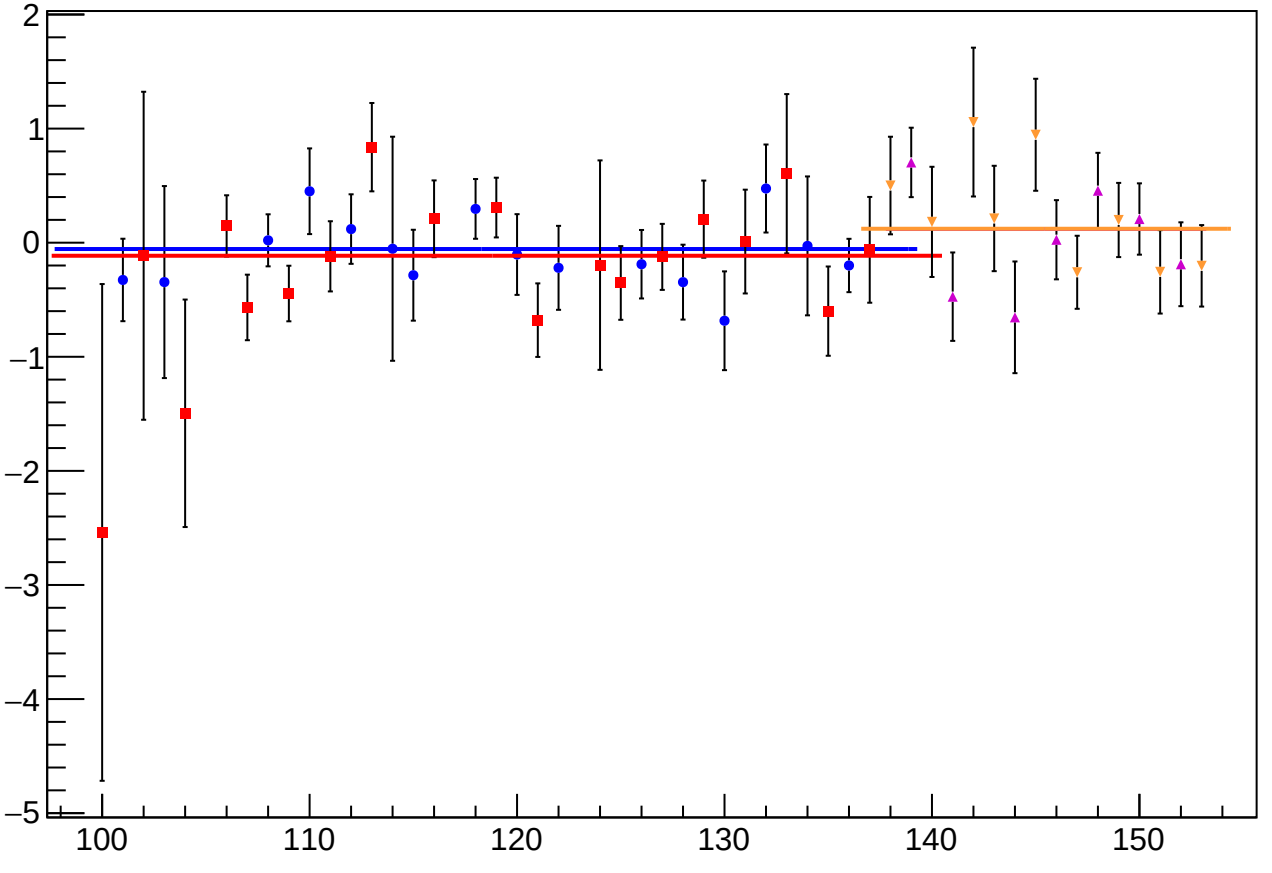
Left In: 0.000+/-0.000 χ^2/NDF:327472.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 2770096.6/24

All: 0.000+/-0.000 χ^2/NDF: 5305116.5/50

- sign 0.000+/-0.000 χ^2/NDF: 2486420.7/25

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.122+/-0.134 χ^2/NDF:9.1/8

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

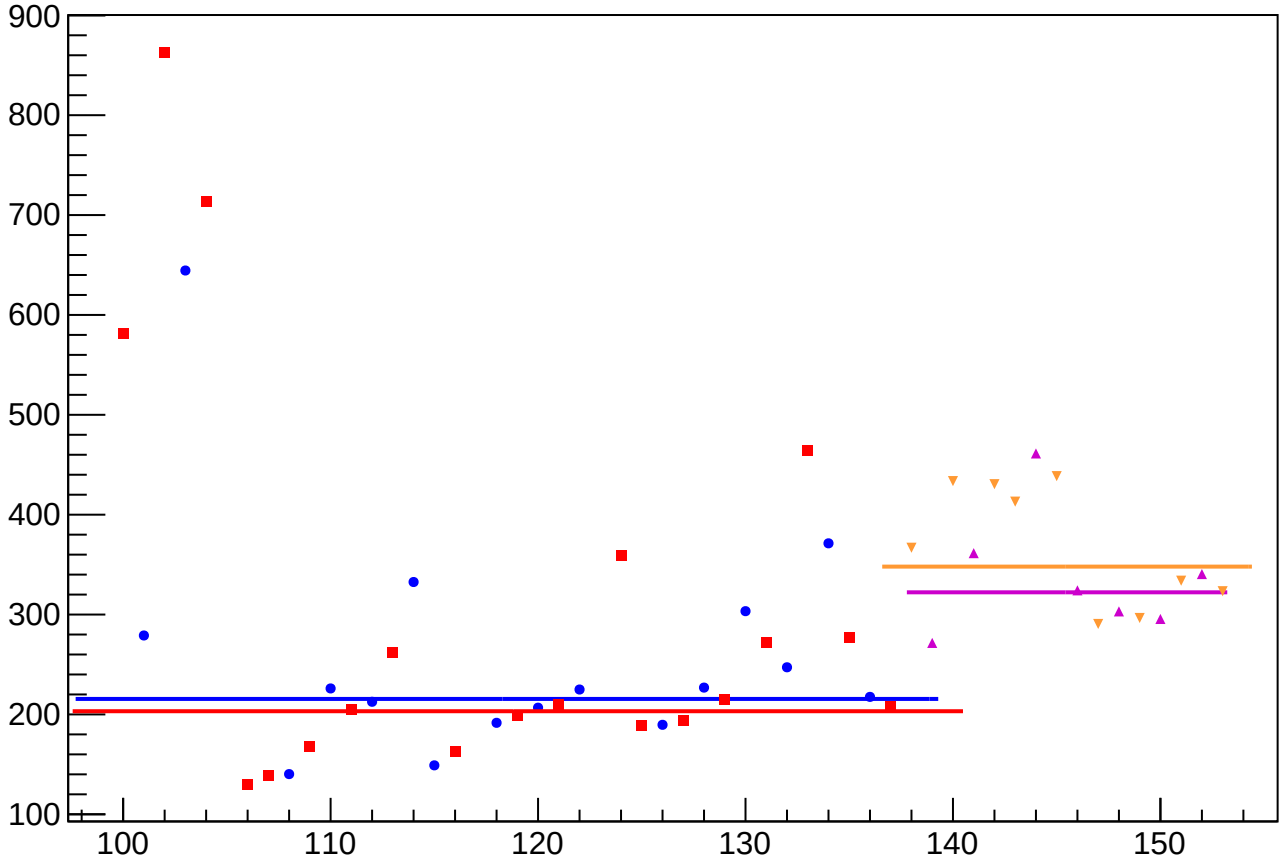
Left In: 0.120+/-0.133 χ^2/NDF:10.4/6

+ sign -0.004+/-0.072 χ^2/NDF: 21.0/24

All: -0.027+/-0.050 χ^2/NDF: 59.0/50

- sign -0.048+/-0.071 χ^2/NDF: 37.9/25

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.003+/-0.095 χ^2/NDF:333529.8/8

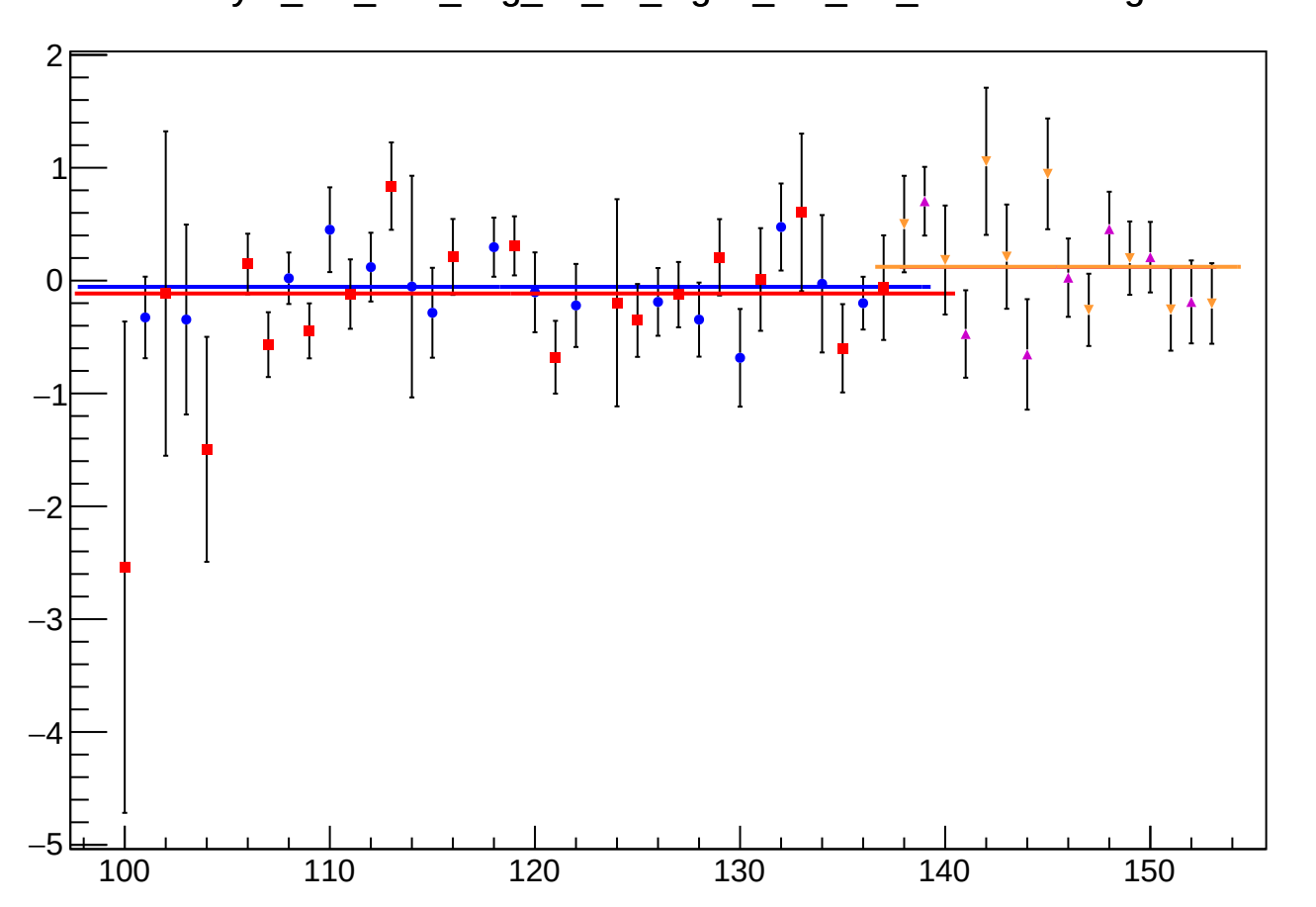
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 322.268+/-0.094 χ^2/NDF:263485.3/6

+ sign 253.735+/-0.051 χ^2/NDF: 2868413.9/24

All: 245.059+/-0.036 χ^2/NDF: 6177801.2/50

- sign 236.758+/-0.050 χ^2/NDF: 3252714.6/25



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.122+/-0.134 χ^2/NDF:9.1/8

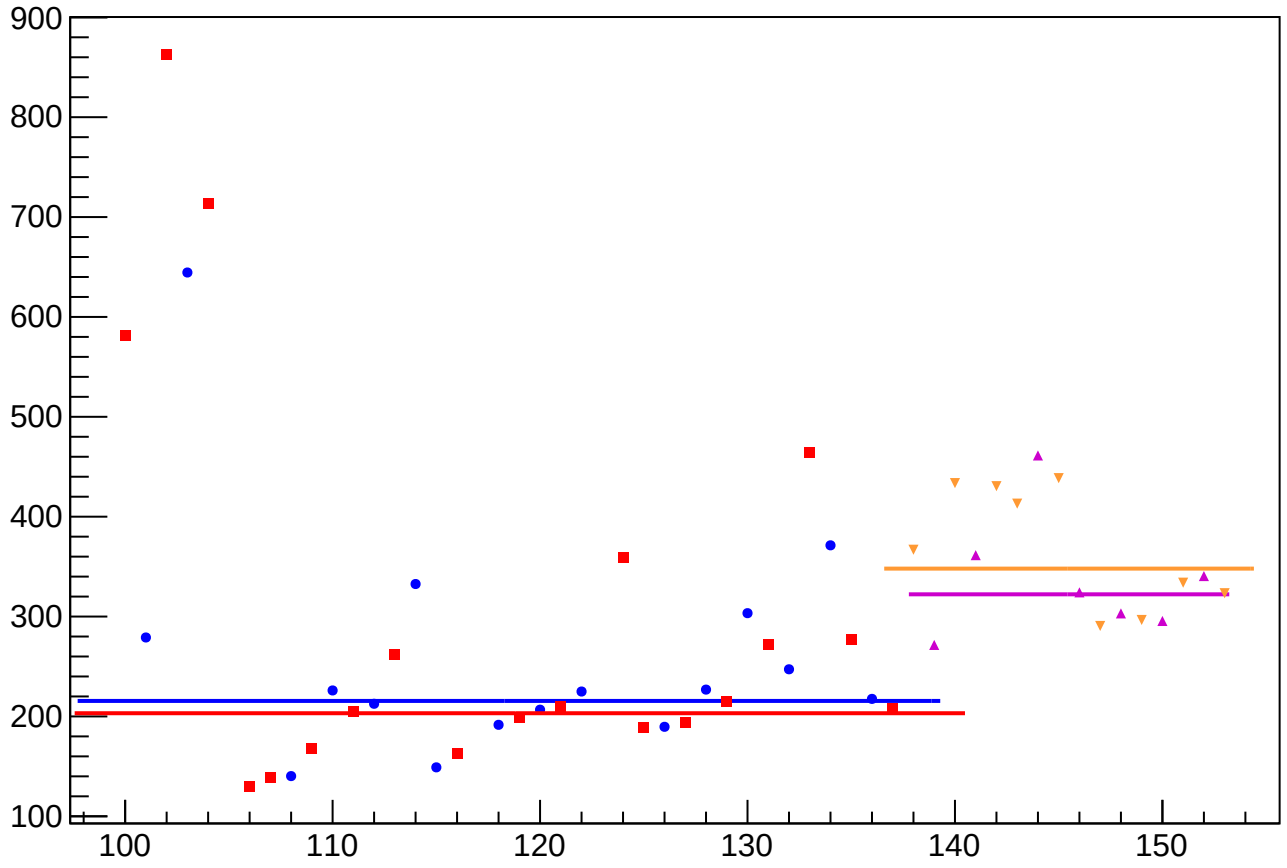
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.120+/-0.133 χ^2/NDF:10.4/6

+ sign -0.004+/-0.072 χ^2/NDF: 21.0/24

All: -0.027+/-0.050 χ^2/NDF: 59.0/50

- sign -0.048+/-0.071 χ^2/NDF: 37.9/25



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.003+/-0.095 χ^2/NDF:333529.8/8

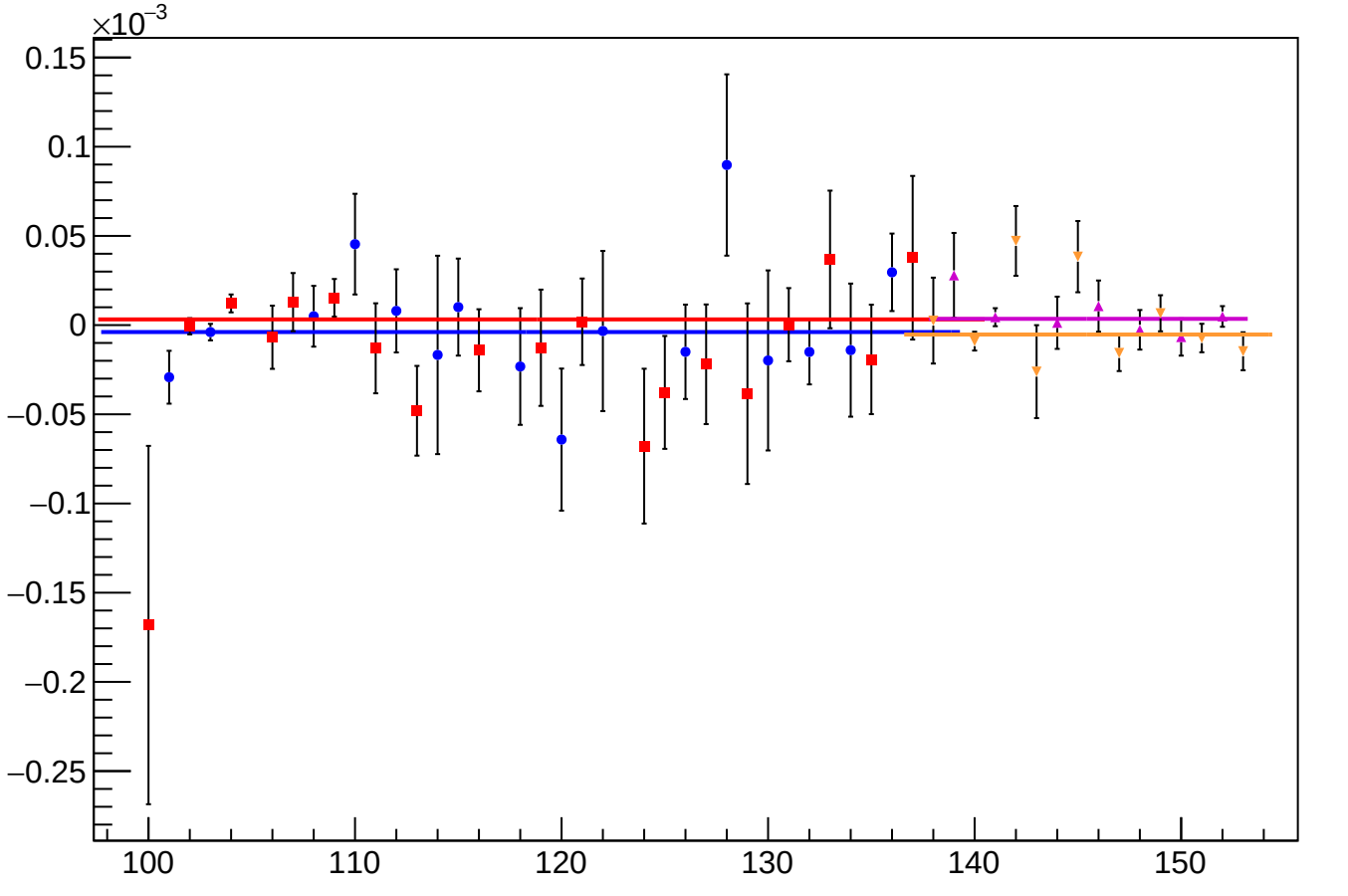
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

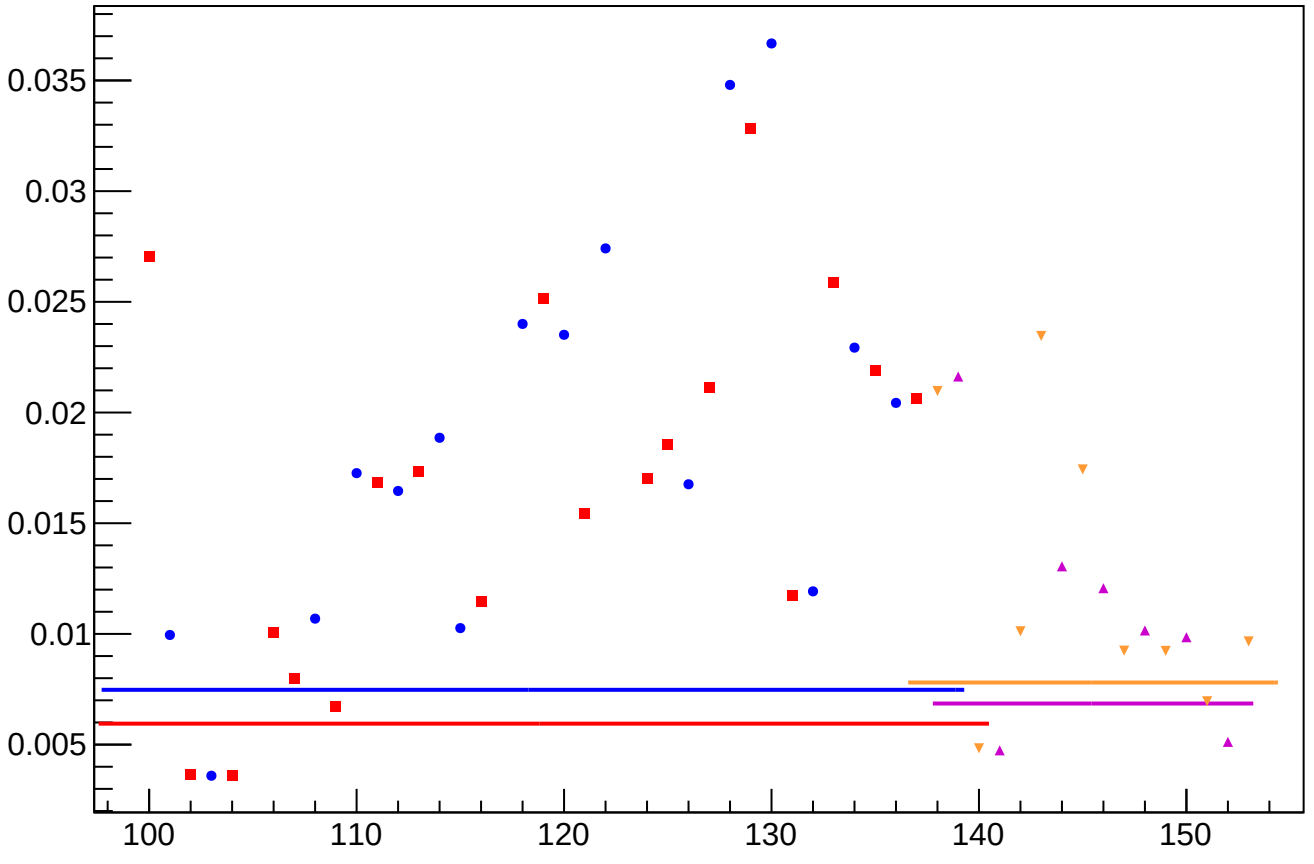
Left In: 322.268+/-0.094 χ^2/NDF:263485.3/6

+ sign 253.735+/-0.051 χ^2/NDF: 2868413.9/24

All: 245.059+/-0.036 χ^2/NDF: 6177801.2/50

- sign 236.758+/-0.050 χ^2/NDF: 3252714.6/25


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:16.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 21.6/18
Left In: 0.000+/-0.000 χ²/NDF:2.7/6
+ sign -0.000+/-0.000 χ²/NDF: 32.5/24
All: -0.000+/-0.000 χ²/NDF: 62.7/50
- sign 0.000+/-0.000 χ²/NDF: 24.3/25



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2612933.7/8

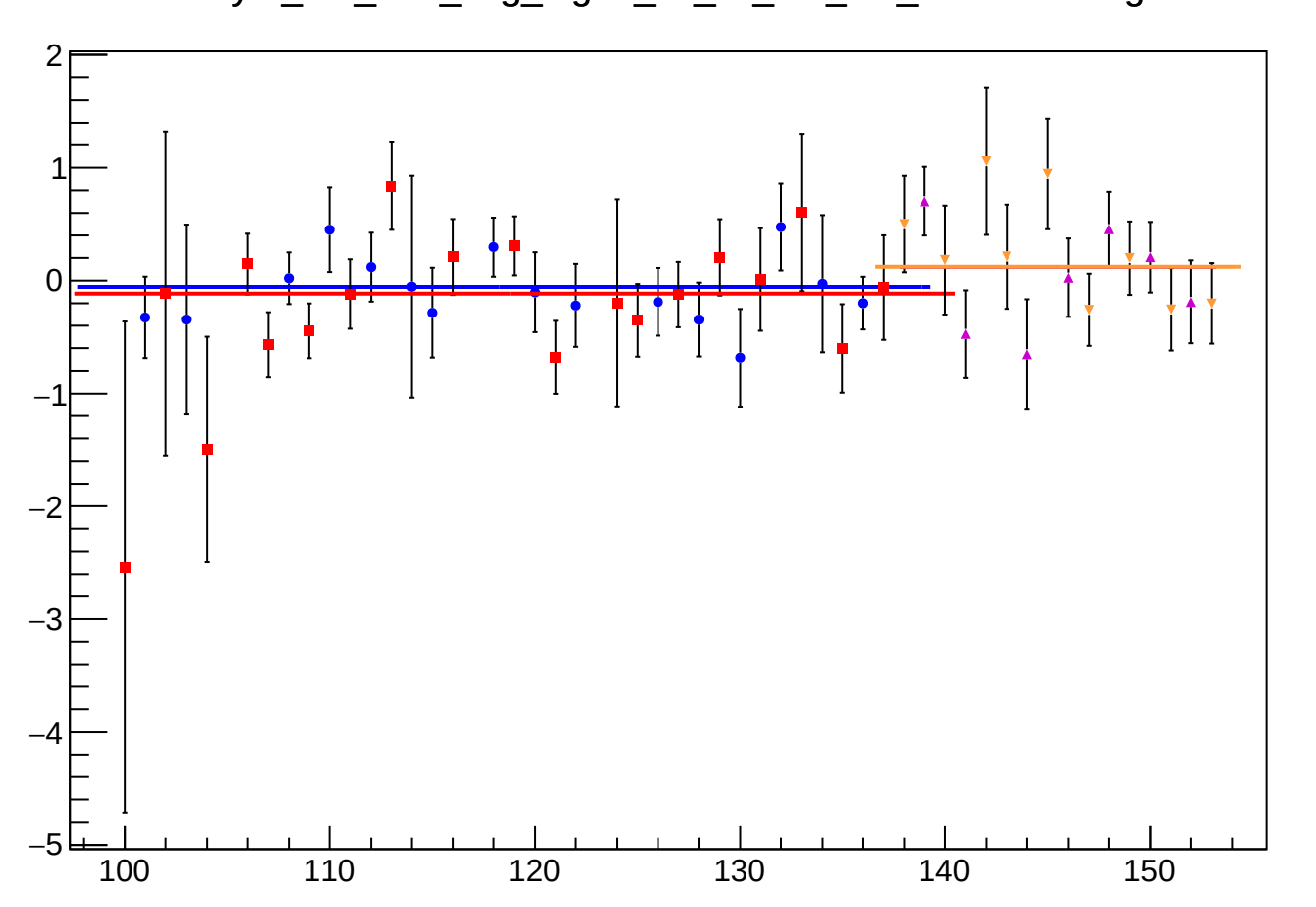
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:2264543.2/6

+ sign 0.008+/-0.000 χ^2/NDF: 8697600.3/24

All: 0.007+/-0.000 χ^2/NDF: 17295325.2/50

- sign 0.006+/-0.000 χ^2/NDF: 8287268.4/25



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.122+/-0.134 χ^2/NDF:9.1/8

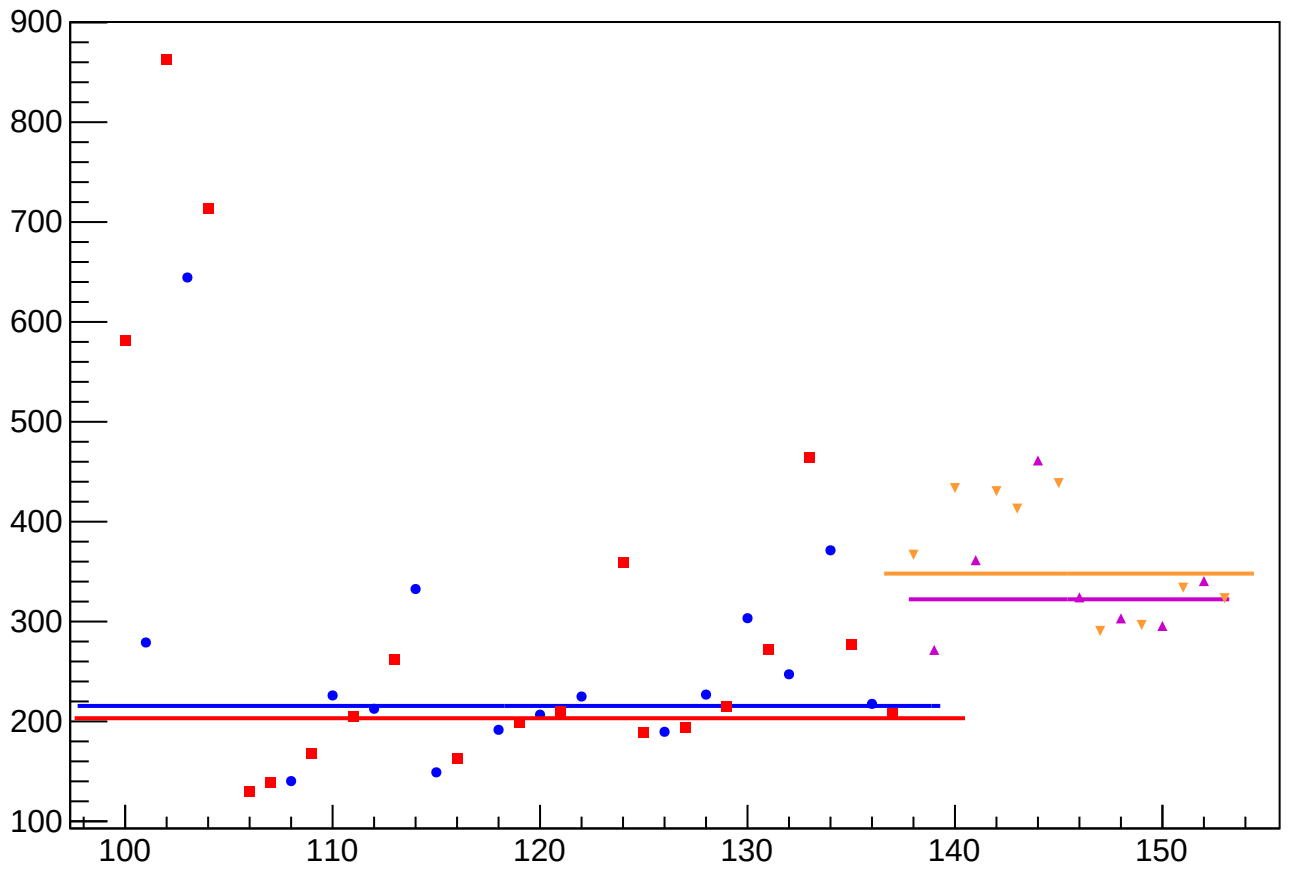
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.120+/-0.133 χ^2/NDF:10.4/6

+ sign -0.004+/-0.072 χ^2/NDF: 21.0/24

All: -0.027+/-0.050 χ^2/NDF: 59.0/50

- sign -0.048+/-0.071 χ^2/NDF: 37.9/25



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.008+/-0.095 χ^2/NDF:333521.0/8

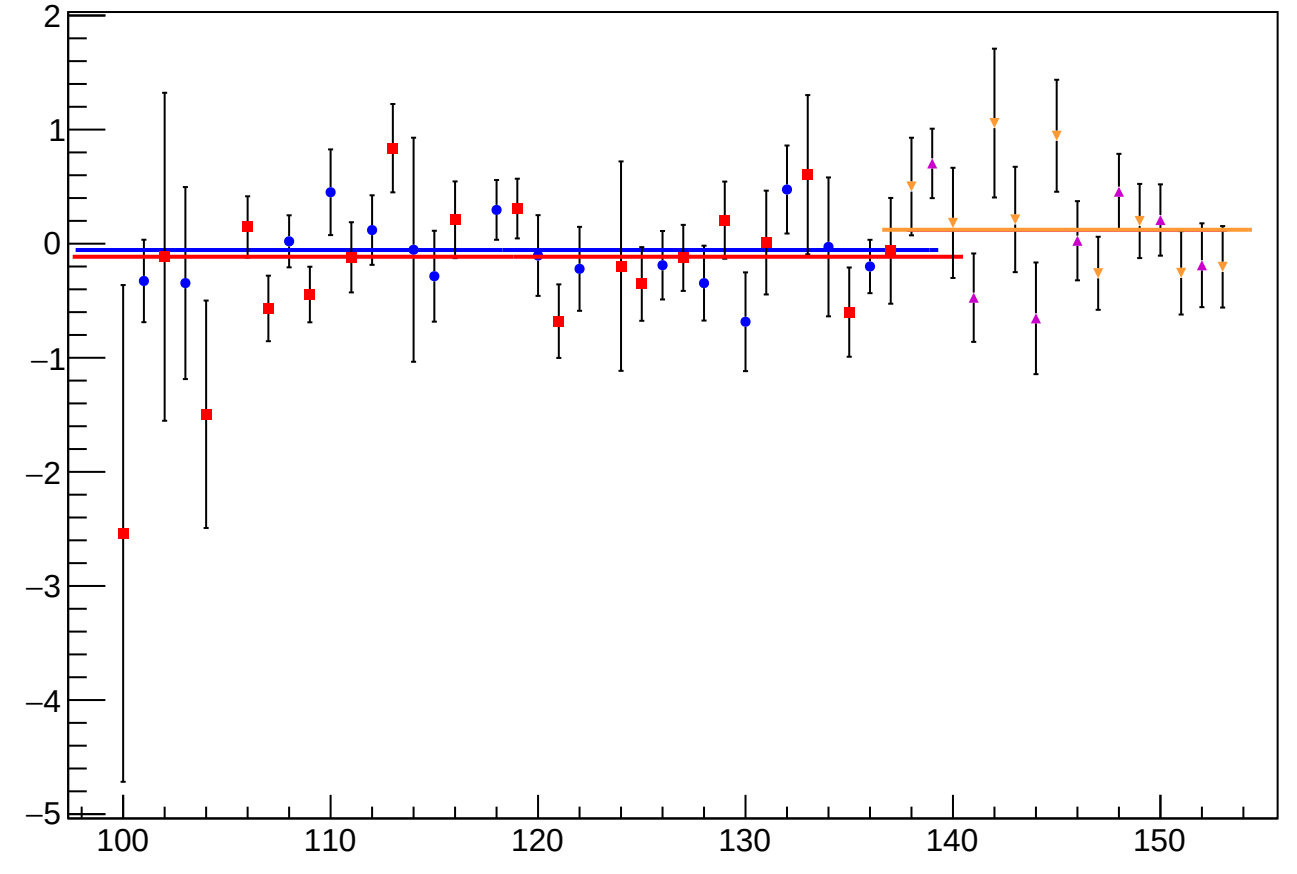
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 322.272+/-0.094 χ^2/NDF:263471.0/6

+ sign 253.734+/-0.051 χ^2/NDF: 2868479.6/24

All: 245.058+/-0.036 χ^2/NDF: 6177936.7/50

- sign 236.757+/-0.050 χ^2/NDF: 3252782.9/25



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.122+/-0.134 χ^2/NDF:9.1/8

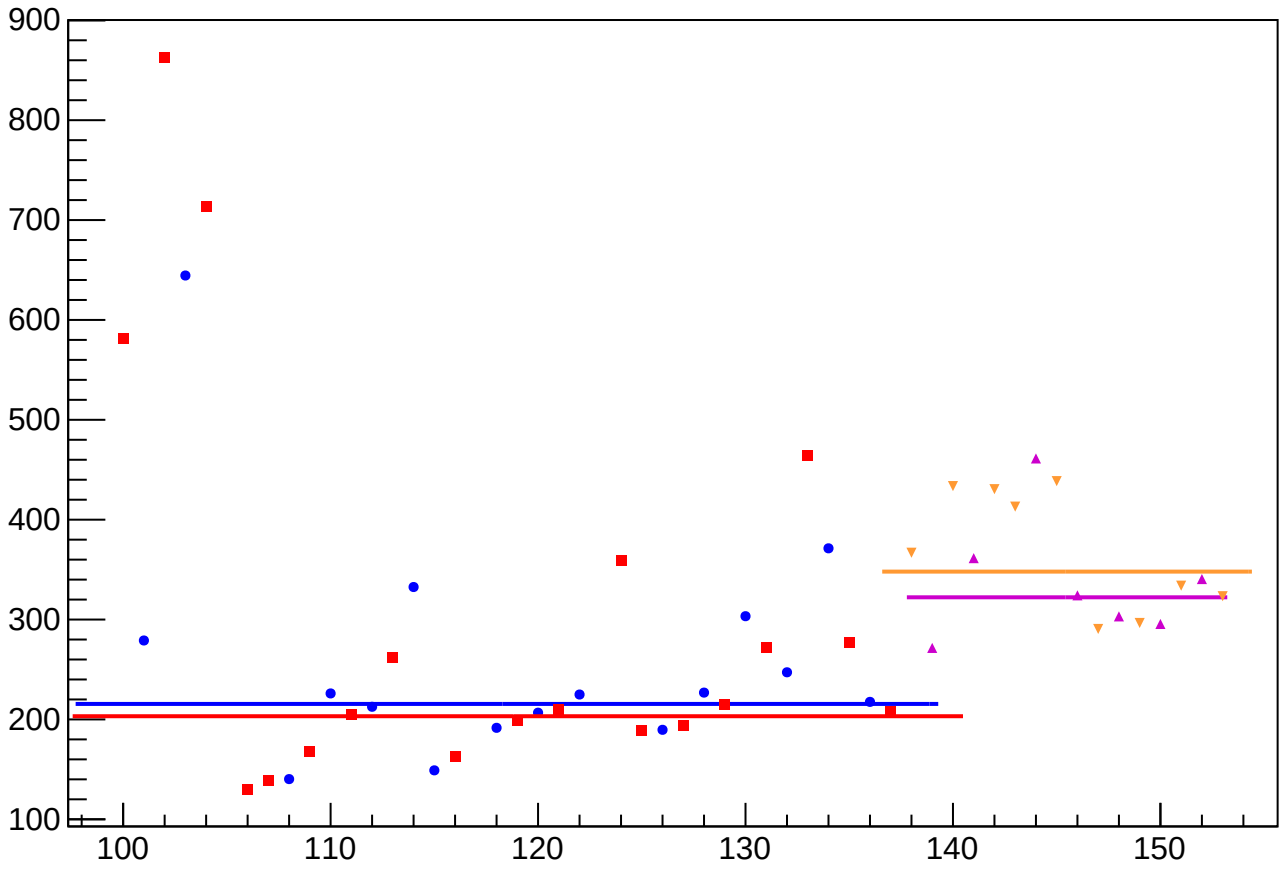
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.120+/-0.133 χ^2/NDF:10.4/6

+ sign -0.004+/-0.072 χ^2/NDF: 21.0/24

All: -0.027+/-0.050 χ^2/NDF: 59.0/50

- sign -0.048+/-0.071 χ^2/NDF: 37.9/25



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.008+/-0.095 χ^2/NDF:333521.0/8

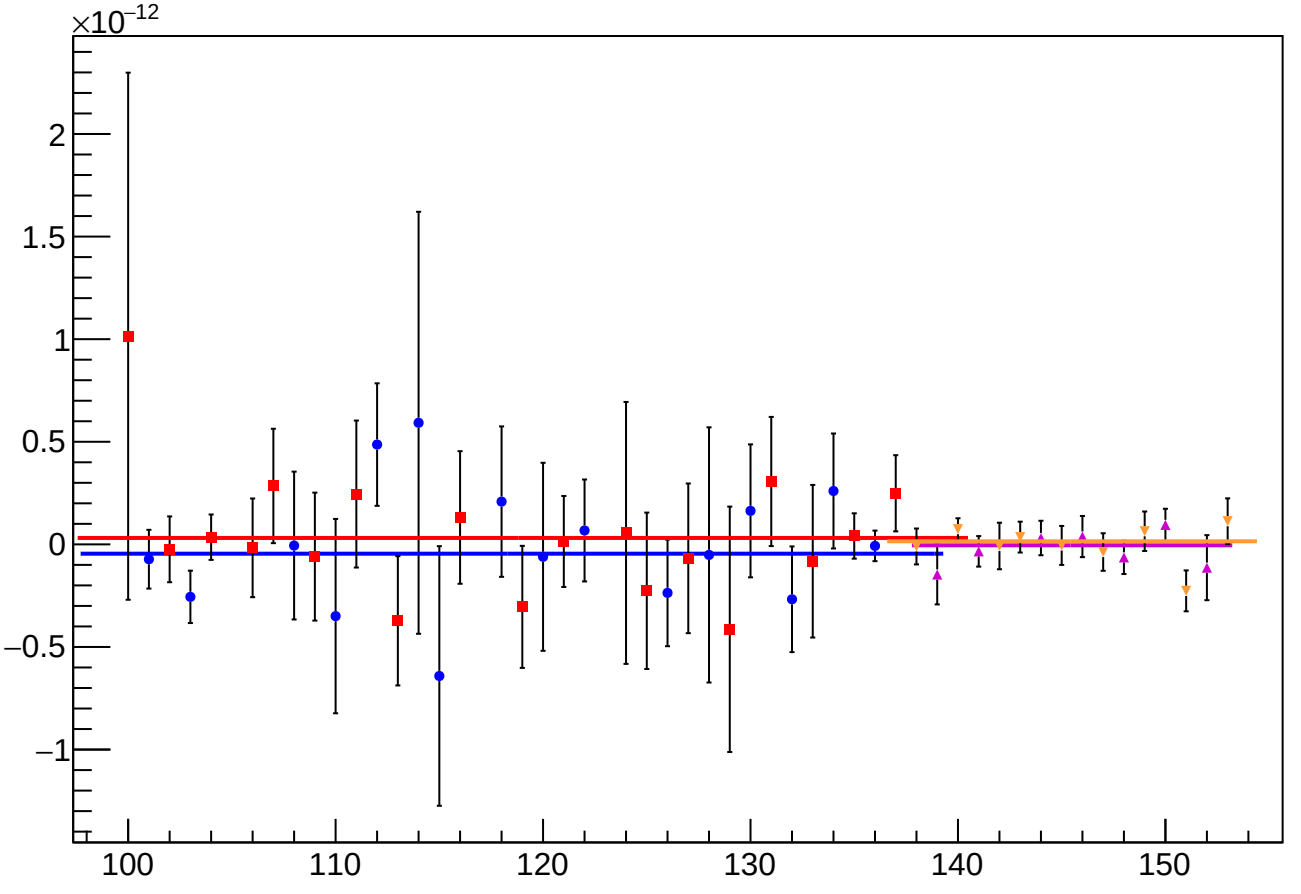
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 322.272+/-0.094 χ^2/NDF:263471.0/6

+ sign 253.734+/-0.051 χ^2/NDF: 2868479.6/24

All: 245.058+/-0.036 χ^2/NDF: 6177936.7/50

- sign 236.757+/-0.050 χ^2/NDF: 3252782.9/25



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/8

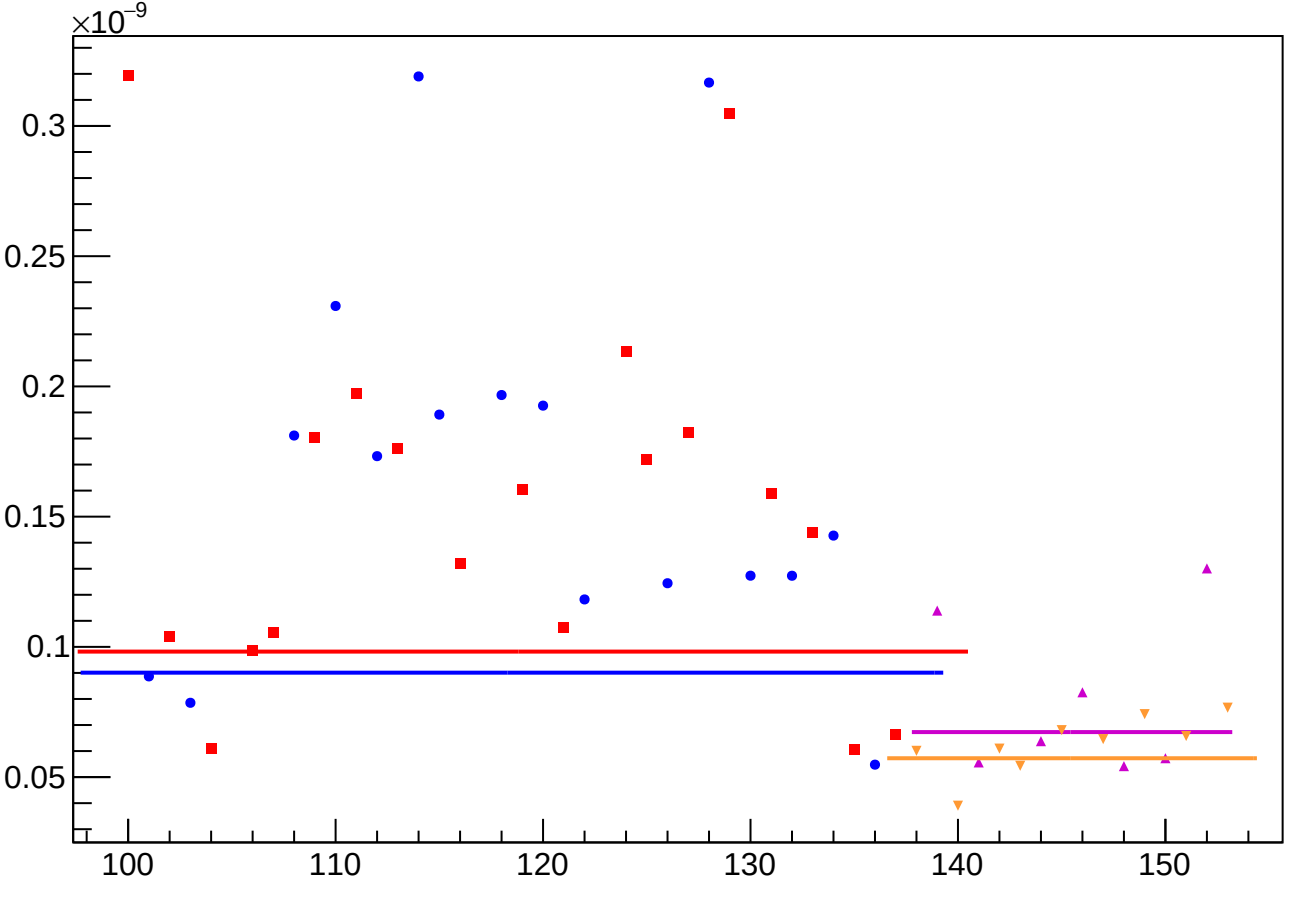
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/24

All: 0.000+/-0.000 χ^2/NDF: 34.1/50

- sign 0.000+/-0.000 χ^2/NDF: 12.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:418988.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

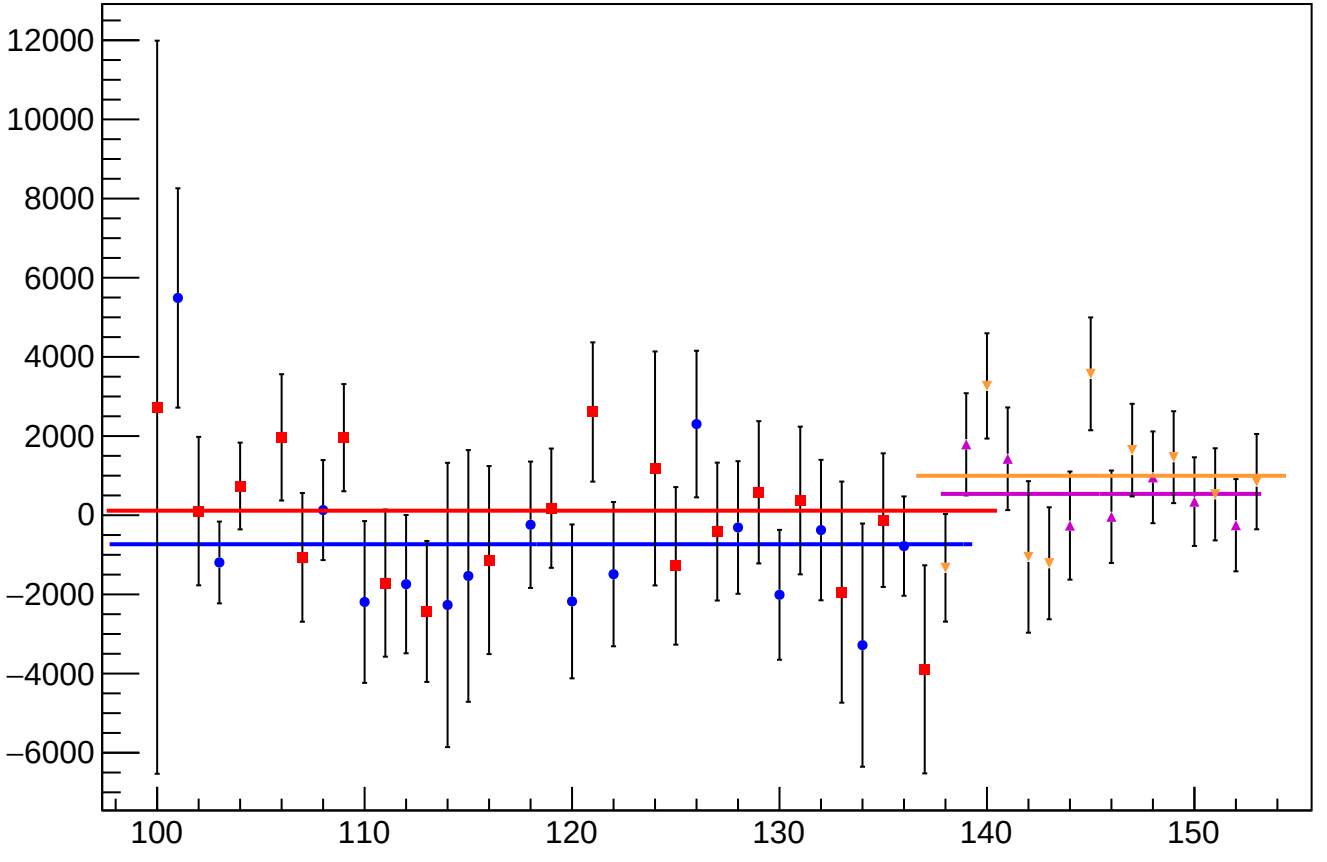
Left In: 0.000+/-0.000 χ^2/NDF:702789.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 2883019.3/24

All: 0.000+/-0.000 χ^2/NDF: 5956190.5/50

- sign 0.000+/-0.000 χ^2/NDF: 2883783.1/25

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 997.339+/-435.541 χ^2/NDF:13.3/8

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

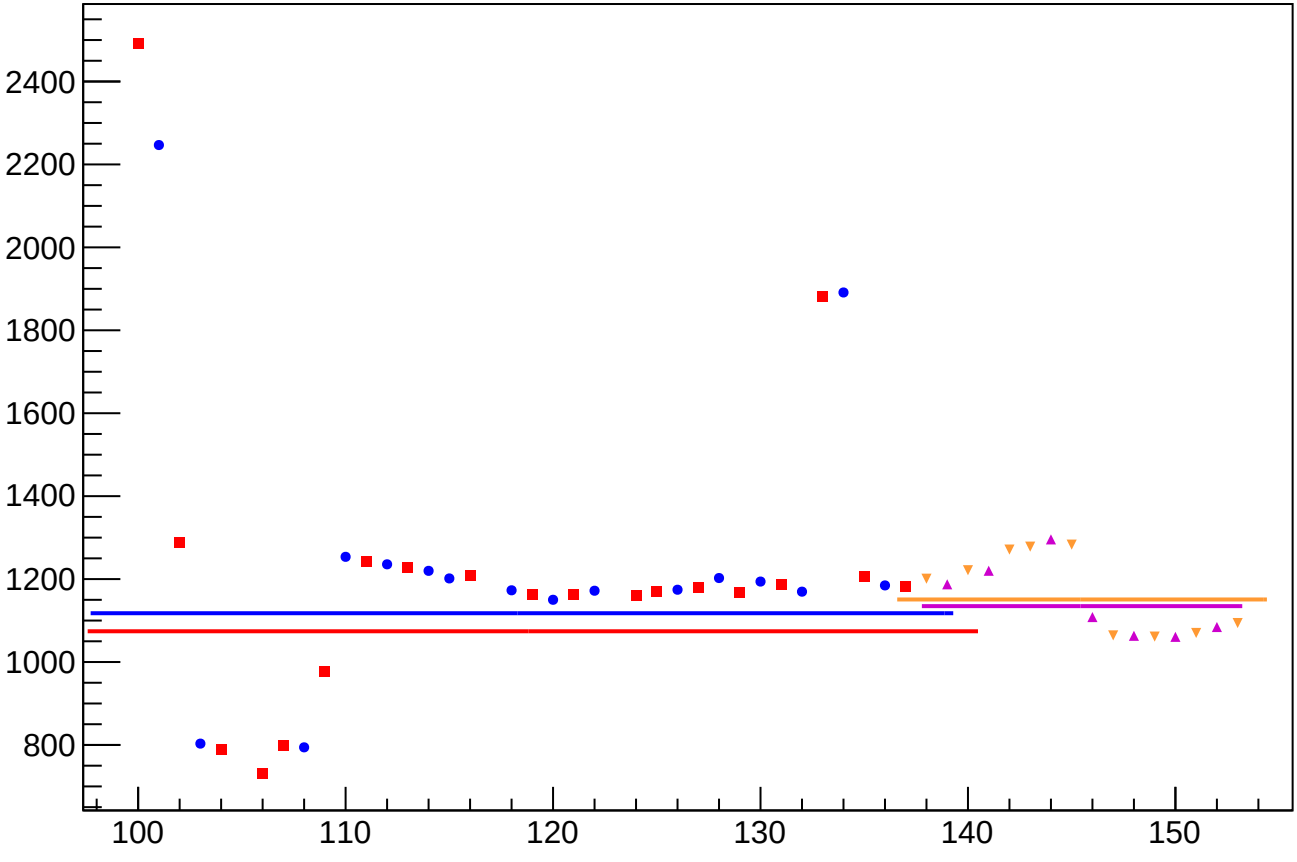
Left In: 538.987+/-459.160 χ^2/NDF:2.6/6

+ sign 115.943+/-305.049 χ^2/NDF: 33.1/24

All: 209.473+/-216.185 χ^2/NDF: 49.5/50

- sign 303.844+/-306.418 χ^2/NDF: 16.2/25

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1150.838+/-0.308 χ^2/NDF:86608.3/8

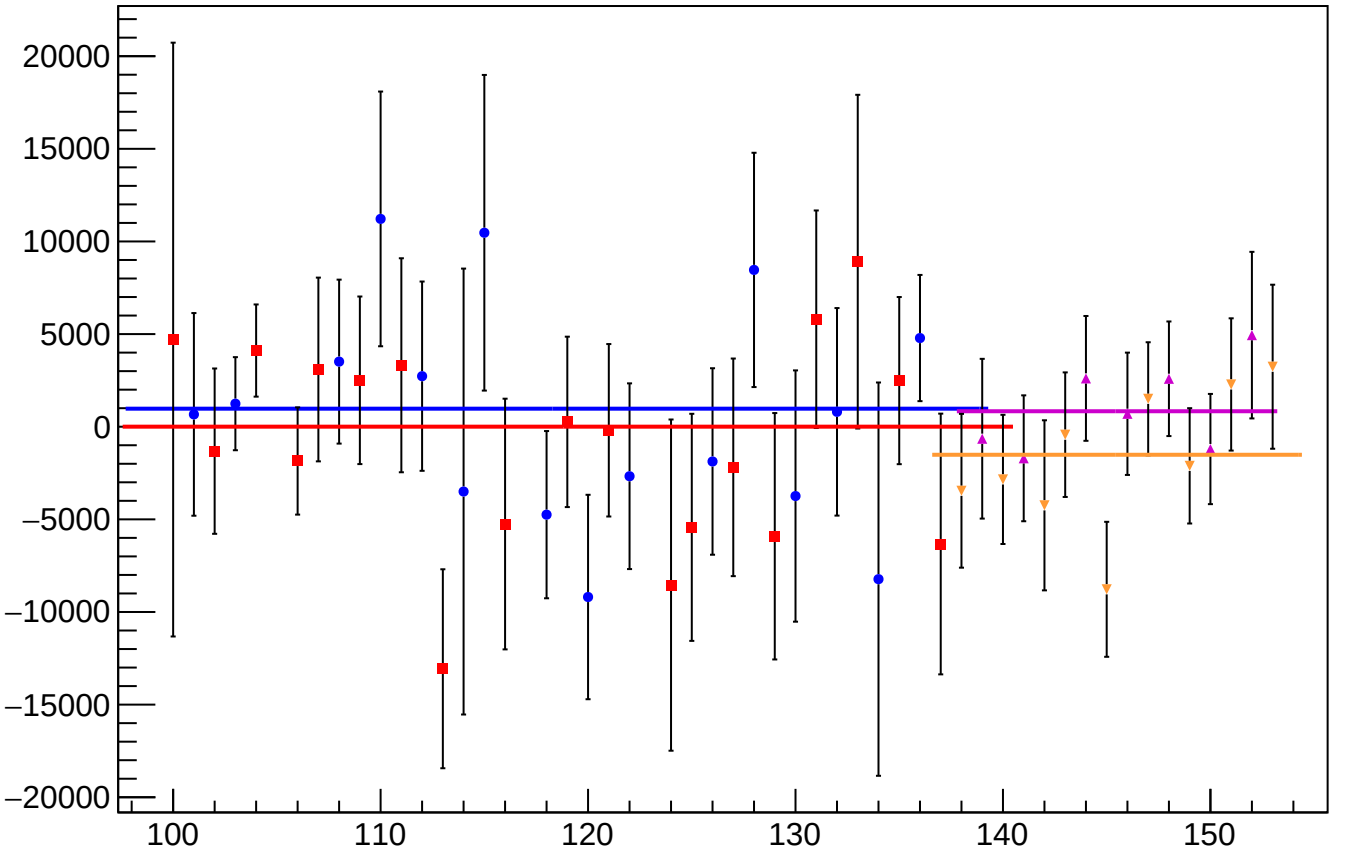
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1134.776+/-0.325 χ^2/NDF:60888.0/6

+ sign 1133.948+/-0.216 χ^2/NDF: 912347.7/24

All: 1117.421+/-0.153 χ^2/NDF: 1653966.2/50

- sign 1100.900+/-0.216 χ^2/NDF: 729879.9/25



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -1514.034+/-1202.401 χ^2/NDF:8.1/8

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

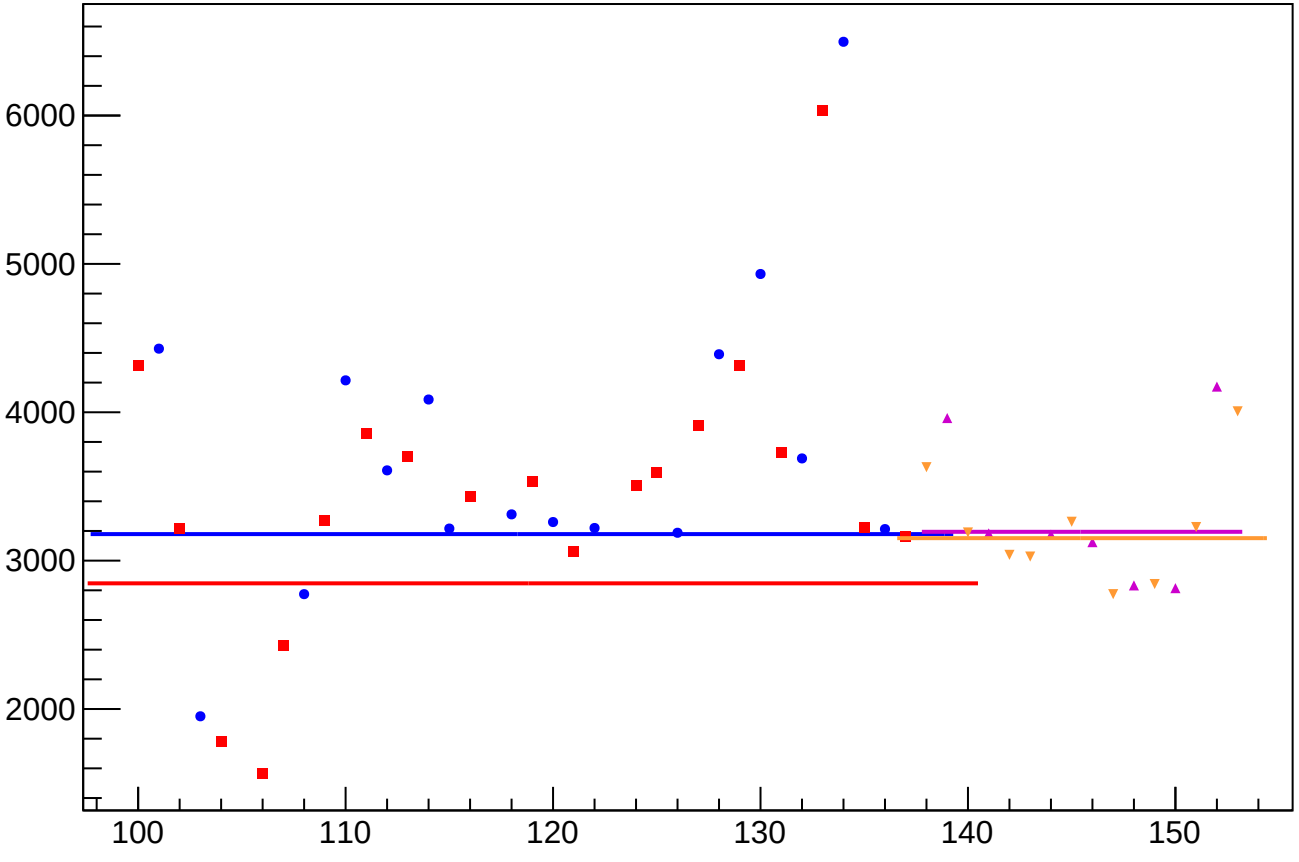
Left In: 835.278+/-1304.816 χ^2/NDF:2.6/6

+ sign -301.143+/-860.756 χ^2/NDF: 24.0/24

All: 31.526+/-603.790 χ^2/NDF: 43.7/50

- sign 353.784+/-847.181 χ^2/NDF: 19.4/25

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3151.534+/-0.850 χ^2/NDF:158323.5/8

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

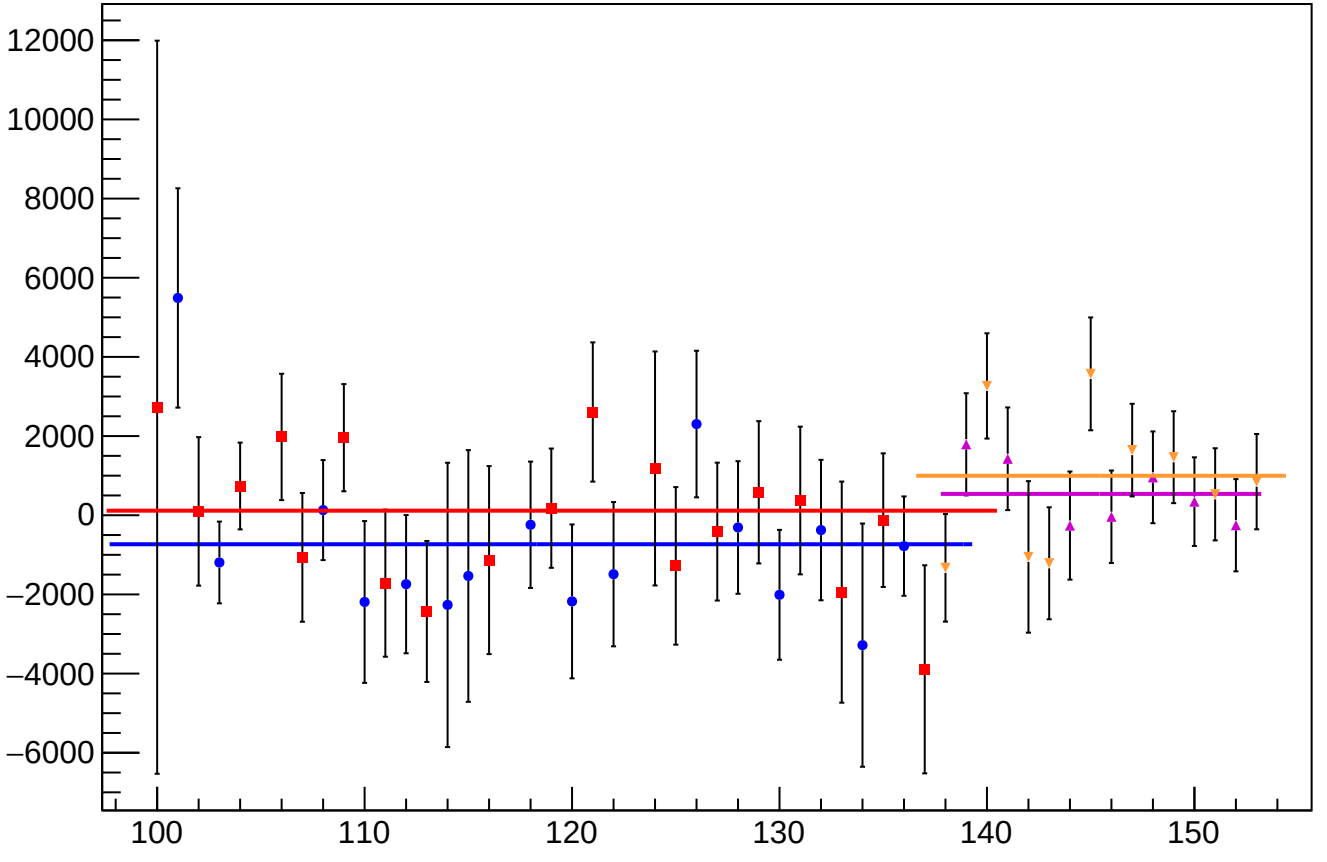
Left In: 3194.342+/-0.923 χ^2/NDF:218934.6/6

+ sign 3164.861+/-0.609 χ^2/NDF: 1250504.3/24

All: 3077.784+/-0.427 χ^2/NDF: 3102867.6/50

- sign 2993.433+/-0.599 χ^2/NDF: 1812068.0/25

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 997.374+/-435.541 χ^2/NDF:13.3/8

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

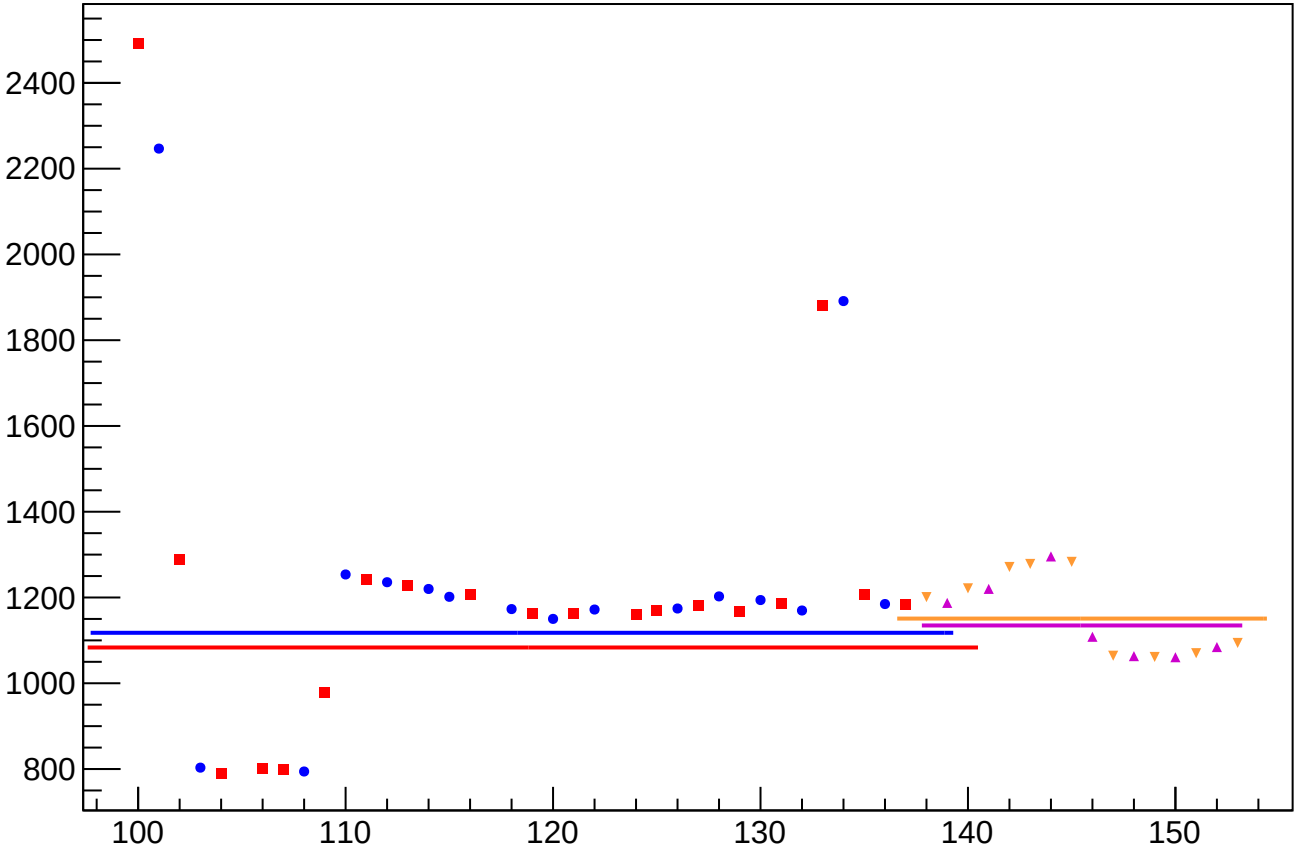
Left In: 538.984+/-459.160 χ^2/NDF:2.6/6

+ sign 115.994+/-305.049 χ^2/NDF: 33.1/24

All: 209.572+/-216.185 χ^2/NDF: 49.5/50

- sign 303.993+/-306.420 χ^2/NDF: 16.2/25

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1150.838+/-0.308 χ^2/NDF:86608.3/8

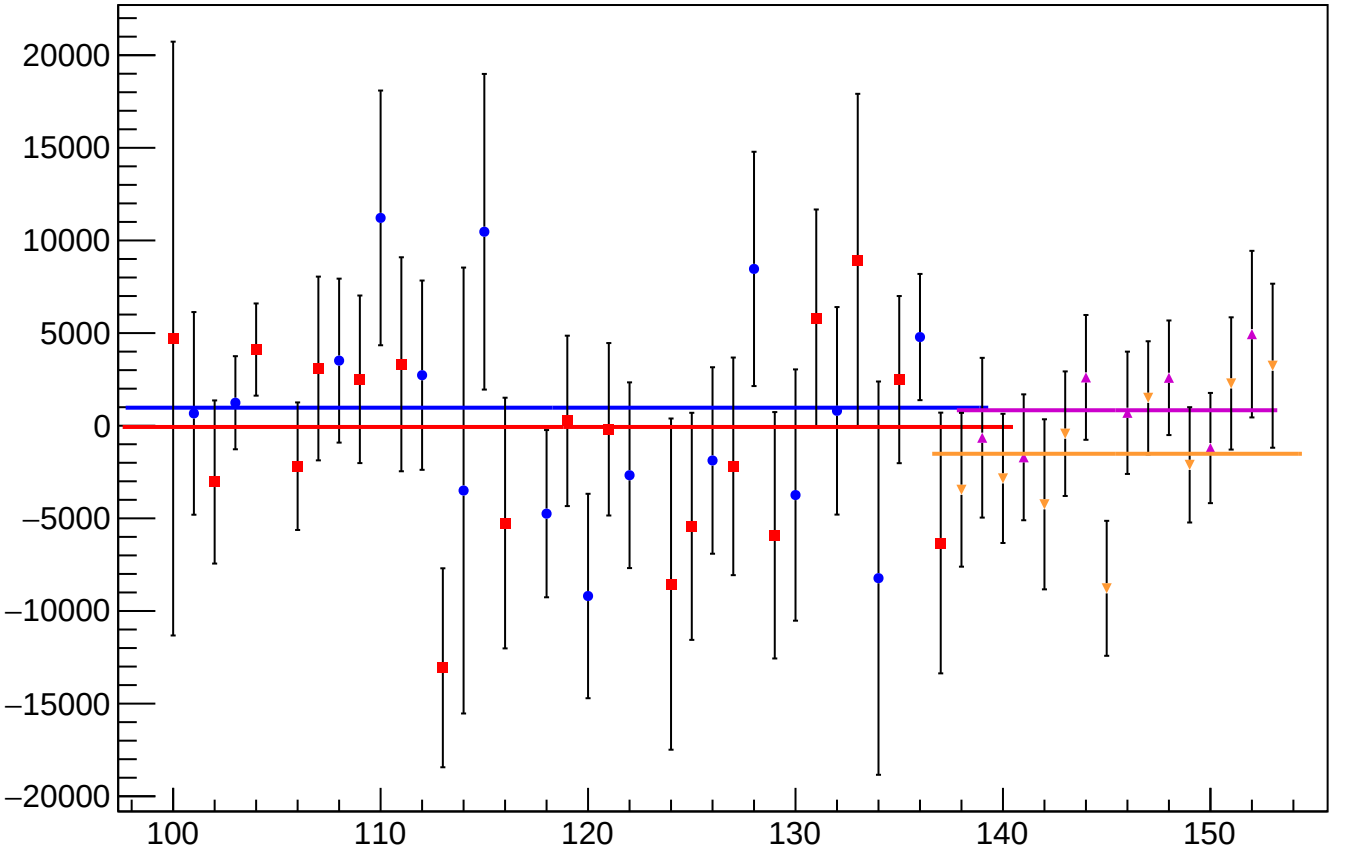
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1134.776+/-0.325 χ^2/NDF:60888.0/6

+ sign 1133.948+/-0.216 χ^2/NDF: 912344.0/24

All: 1120.143+/-0.153 χ^2/NDF: 1590369.3/50

- sign 1106.243+/-0.216 χ^2/NDF: 669804.9/25



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1514.024+/-1202.399 χ^2/NDF:8.1/8

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

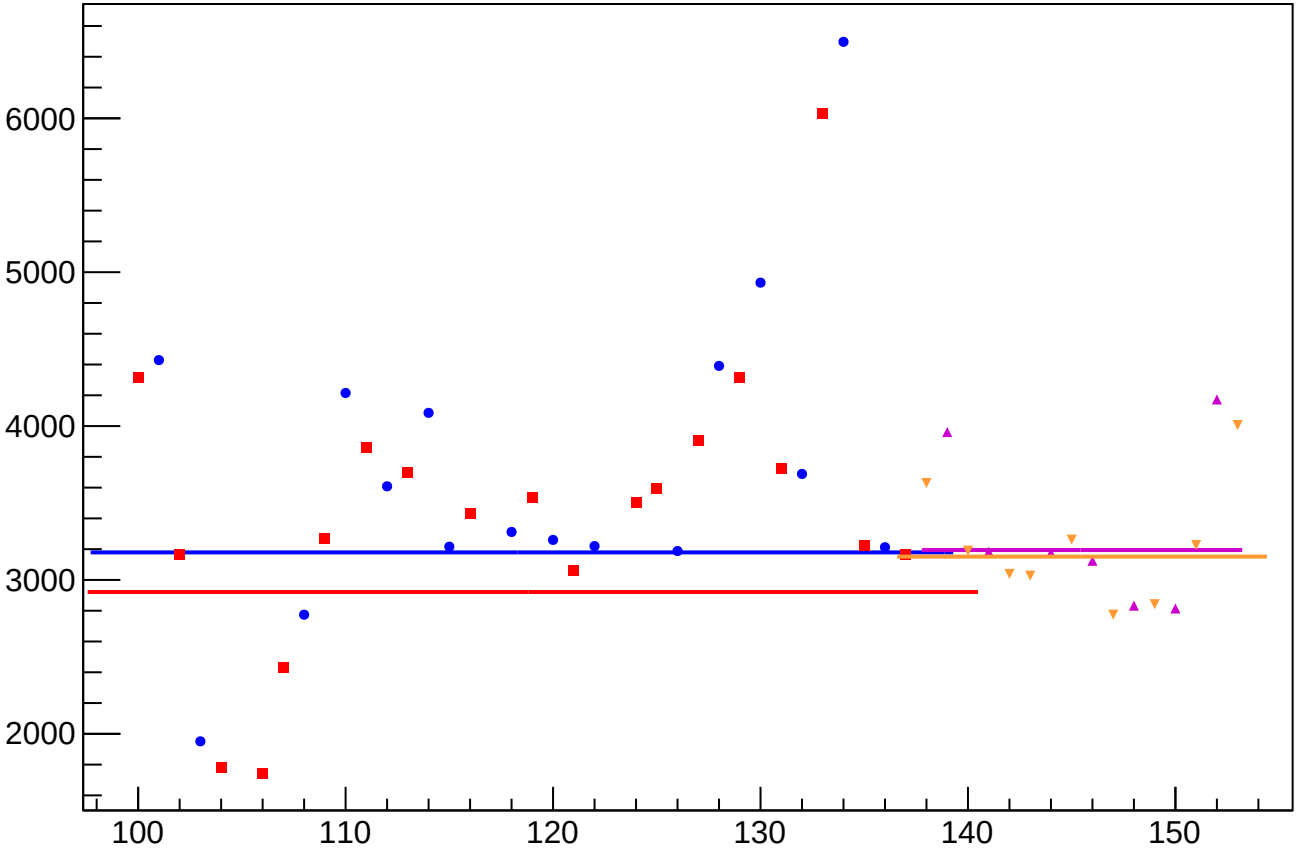
Left In: 835.280+/-1304.815 χ^2/NDF:2.6/6

+ sign -301.433+/-860.773 χ^2/NDF: 24.0/24

All: 11.790+/-607.531 χ^2/NDF: 44.0/50

- sign 322.705+/-857.595 χ^2/NDF: 19.8/25

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3151.529+/-0.850 χ^2/NDF:158326.0/8

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

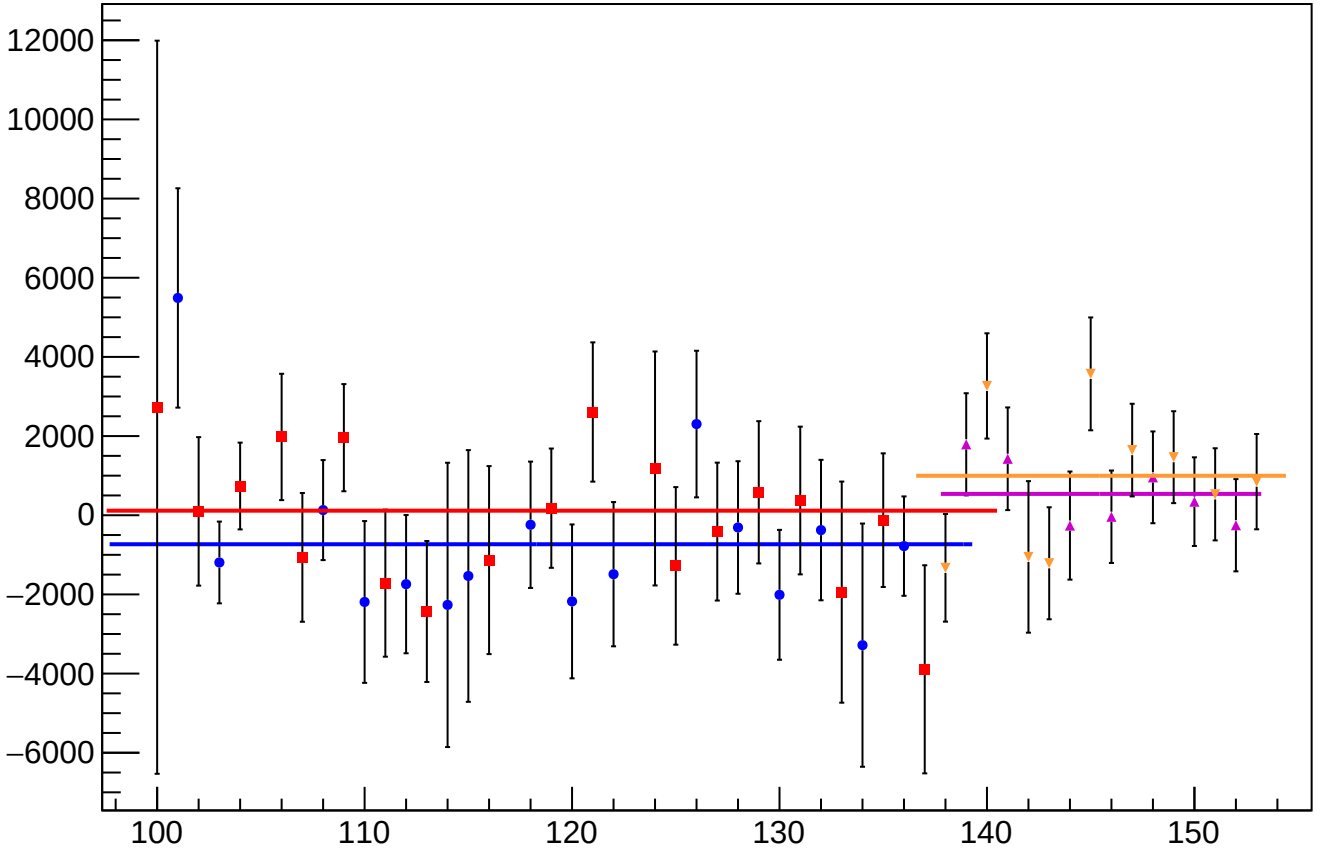
Left In: 3194.341+/-0.923 χ^2/NDF:218936.4/6

+ sign 3164.948+/-0.609 χ^2/NDF: 1250073.5/24

All: 3101.963+/-0.430 χ^2/NDF: 2852858.7/50

- sign 3039.442+/-0.606 χ^2/NDF: 1581447.3/25

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 997.374+/-435.541 χ^2/NDF:13.3/8

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

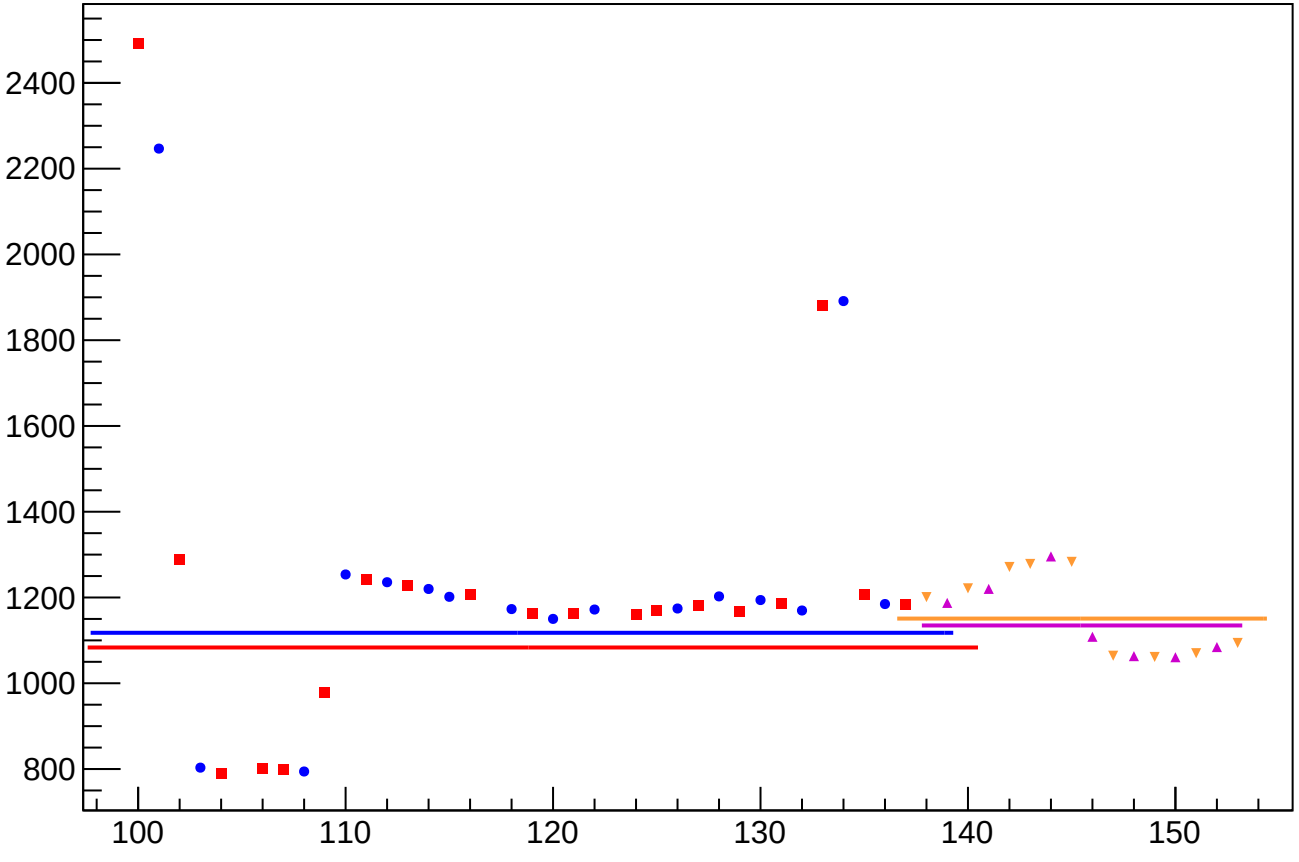
Left In: 538.984+/-459.160 χ^2/NDF:2.6/6

+ sign 115.994+/-305.049 χ^2/NDF: 33.1/24

All: 209.572+/-216.185 χ^2/NDF: 49.5/50

- sign 303.993+/-306.420 χ^2/NDF: 16.2/25

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1150.838+/-0.308 χ^2/NDF:86608.3/8

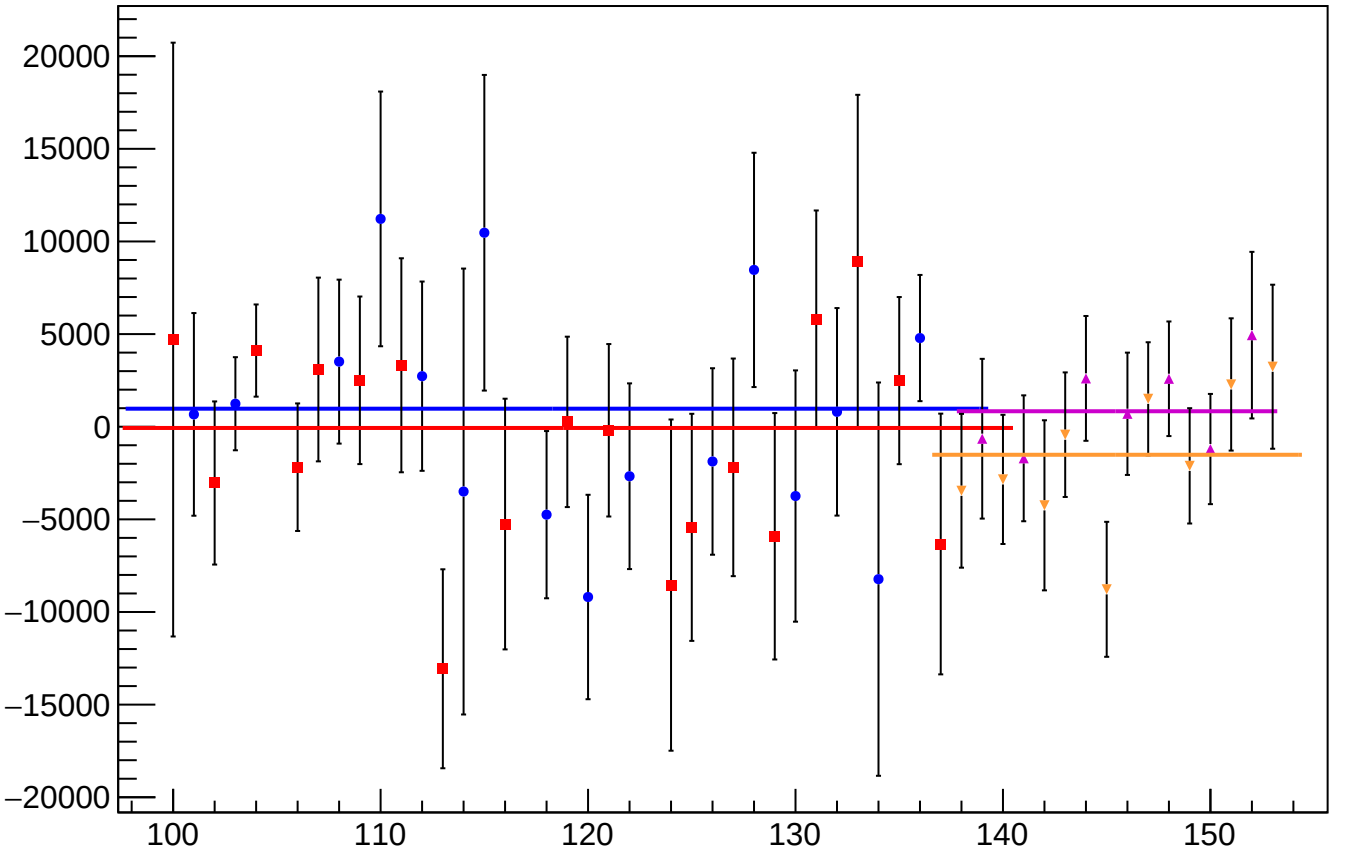
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1134.776+/-0.325 χ^2/NDF:60888.0/6

+ sign 1133.948+/-0.216 χ^2/NDF: 912344.0/24

All: 1120.143+/-0.153 χ^2/NDF: 1590369.3/50

- sign 1106.243+/-0.216 χ^2/NDF: 669804.9/25



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1514.024+/-1202.399 χ^2/NDF:8.1/8

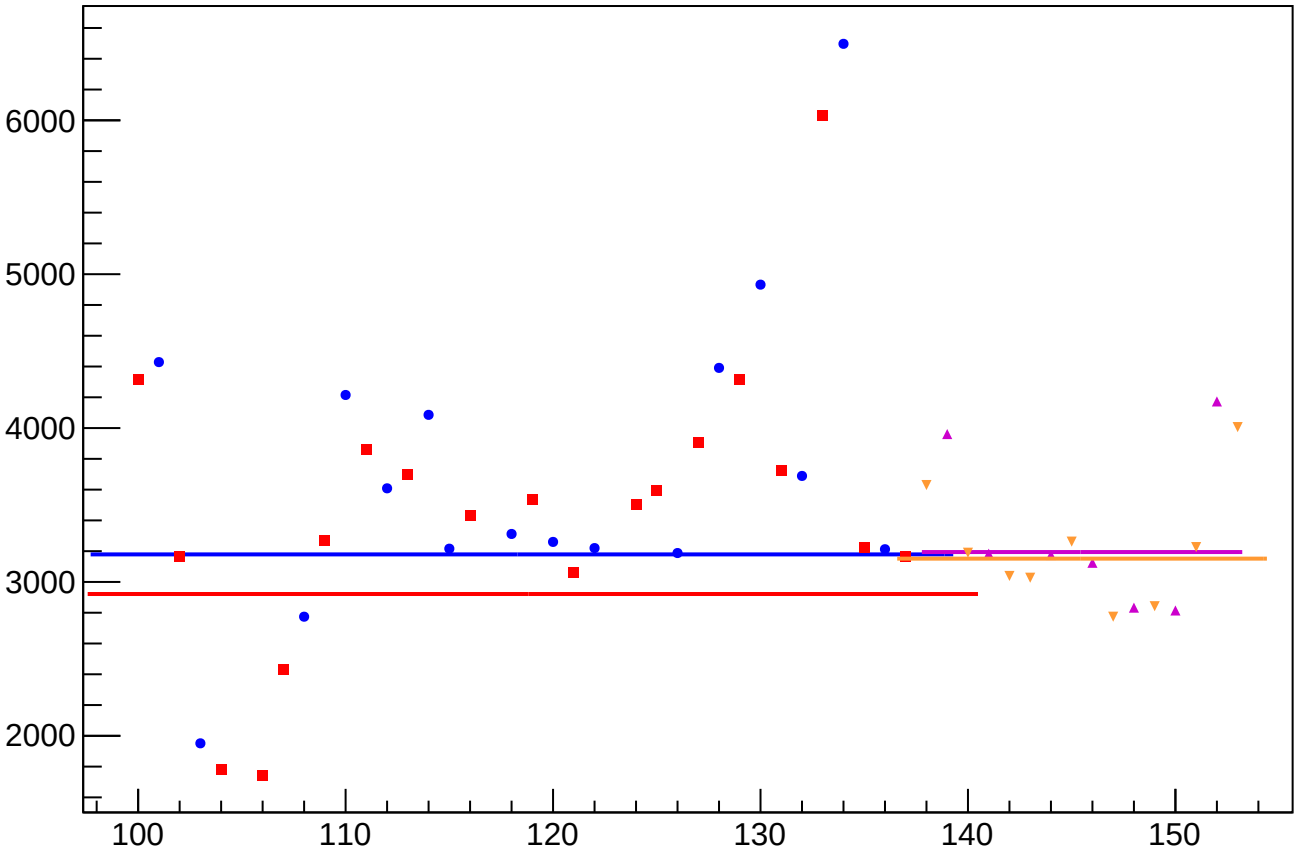
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 835.280+/-1304.815 χ^2/NDF:2.6/6

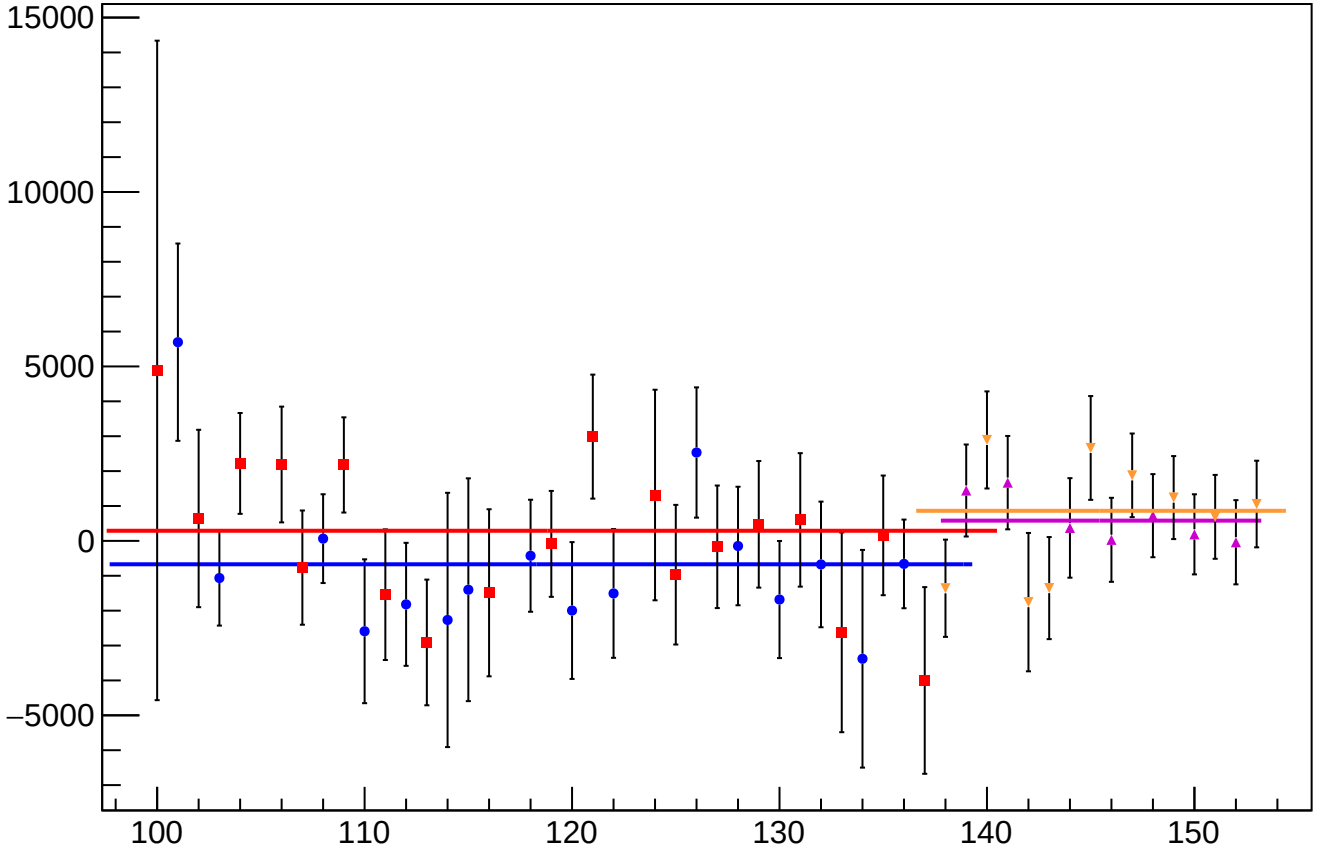
+ sign -301.433+/-860.773 χ^2/NDF: 24.0/24

All: 11.790+/-607.531 χ^2/NDF: 44.0/50

- sign 322.705+/-857.595 χ^2/NDF: 19.8/25


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3151.529+/-0.850 χ²/NDF:158326.0/8
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3194.341+/-0.923 χ²/NDF:218936.4/6
+ sign 3164.948+/-0.609 χ²/NDF: 1250073.5/24
All: 3101.963+/-0.430 χ²/NDF: 2852858.7/50
- sign 3039.442+/-0.606 χ²/NDF: 1581447.3/25

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 862.176+/-449.559 χ^2/NDF:11.0/8

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

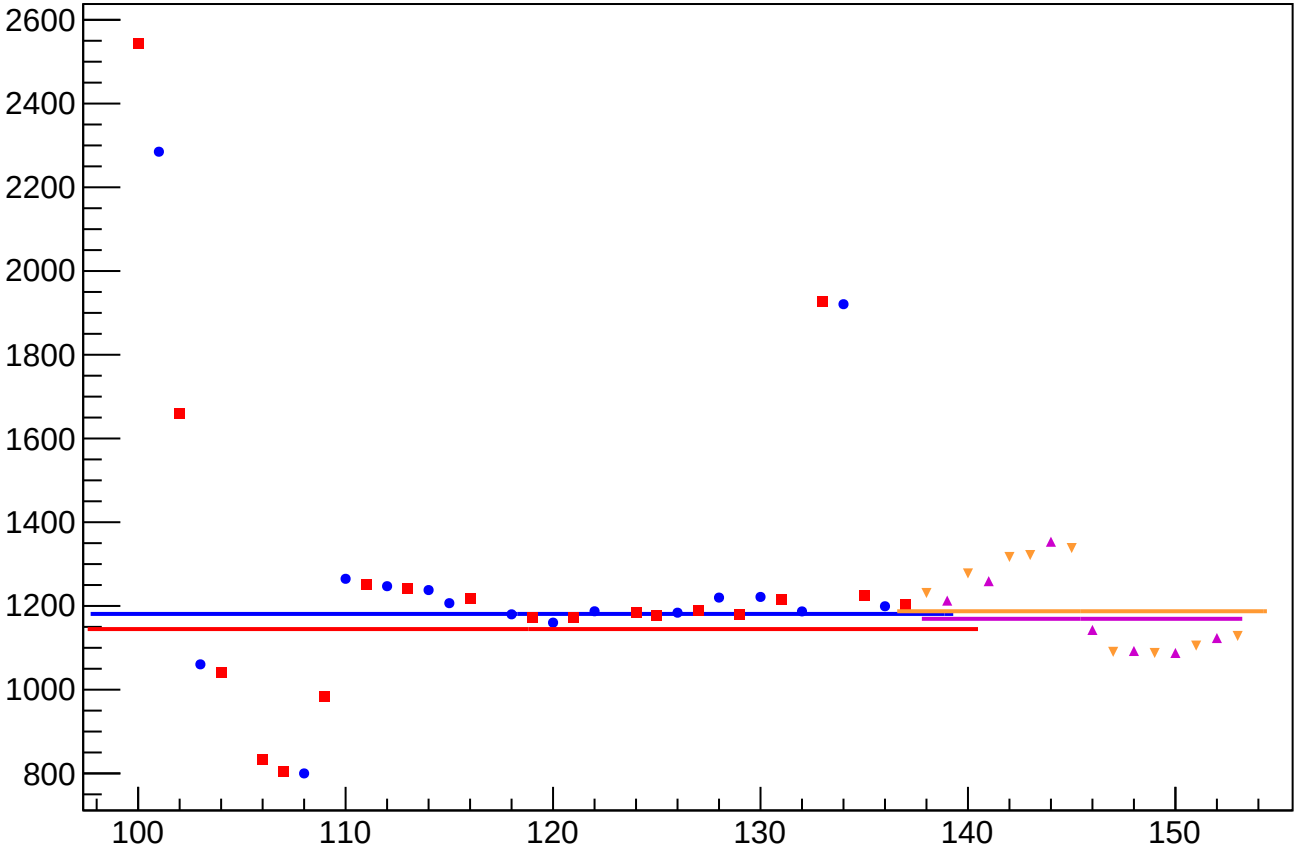
Left In: 580.266+/-473.261 χ^2/NDF:1.7/6

+ sign 93.870+/-317.511 χ^2/NDF: 28.7/24

All: 257.085+/-225.401 χ^2/NDF: 48.1/50

- sign 422.905+/-320.035 χ^2/NDF: 18.9/25

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1187.334+/-0.318 χ^2/NDF:97341.1/8

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

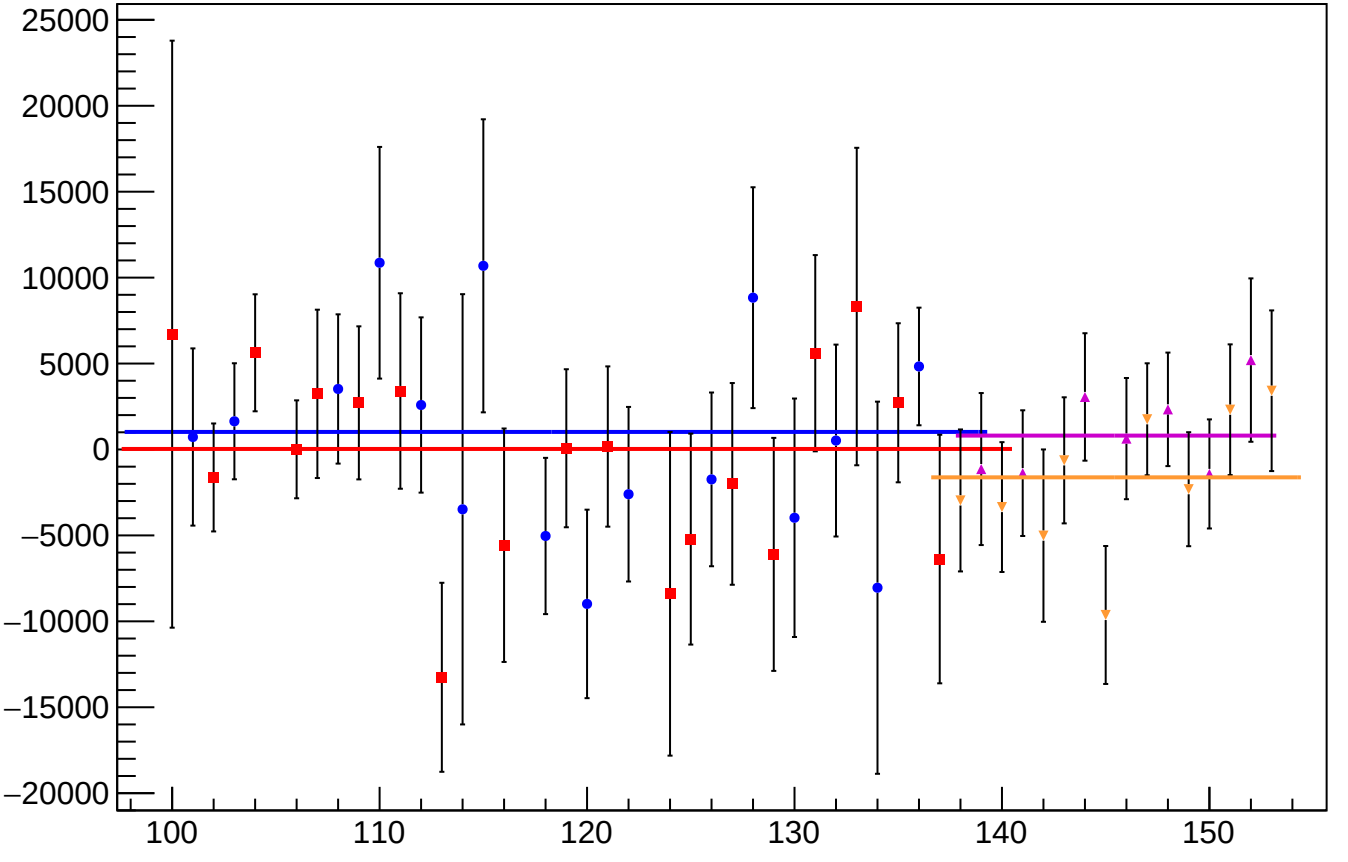
Left In: 1169.269+/-0.335 χ^2/NDF:66794.8/6

+ sign 1184.137+/-0.225 χ^2/NDF: 719421.6/24

All: 1170.162+/-0.159 χ^2/NDF: 1294664.2/50

- sign 1155.971+/-0.226 χ^2/NDF: 567433.6/25

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -1621.768+/-1285.743 χ^2/NDF:8.2/8

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

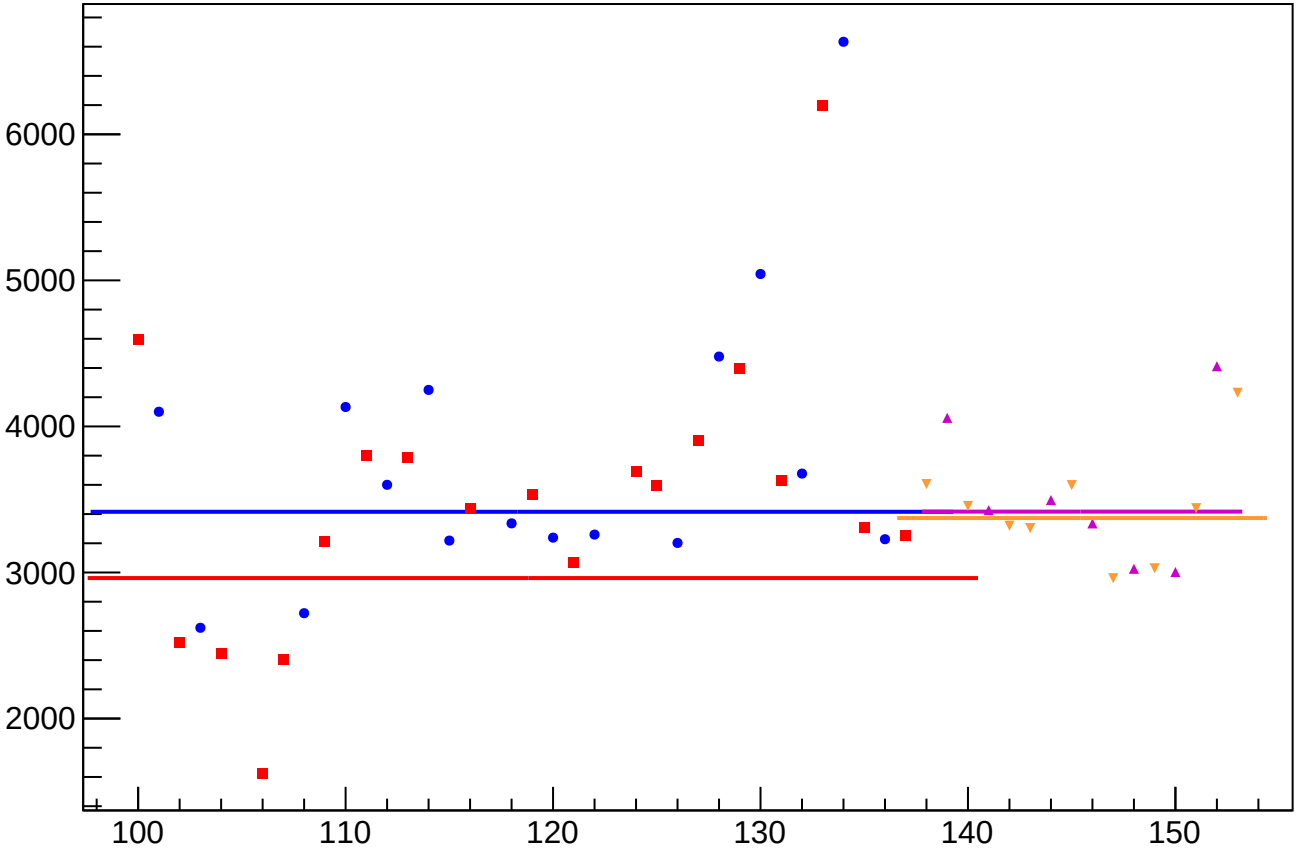
Left In: 807.203+/-1394.539 χ^2/NDF:2.5/6

+ sign -317.399+/-915.001 χ^2/NDF: 24.1/24

All: 23.901+/-633.629 χ^2/NDF: 43.2/50

- sign 338.371+/-878.300 χ^2/NDF: 18.8/25

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3372.745+/-0.909 χ^2/NDF:135970.7/8

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

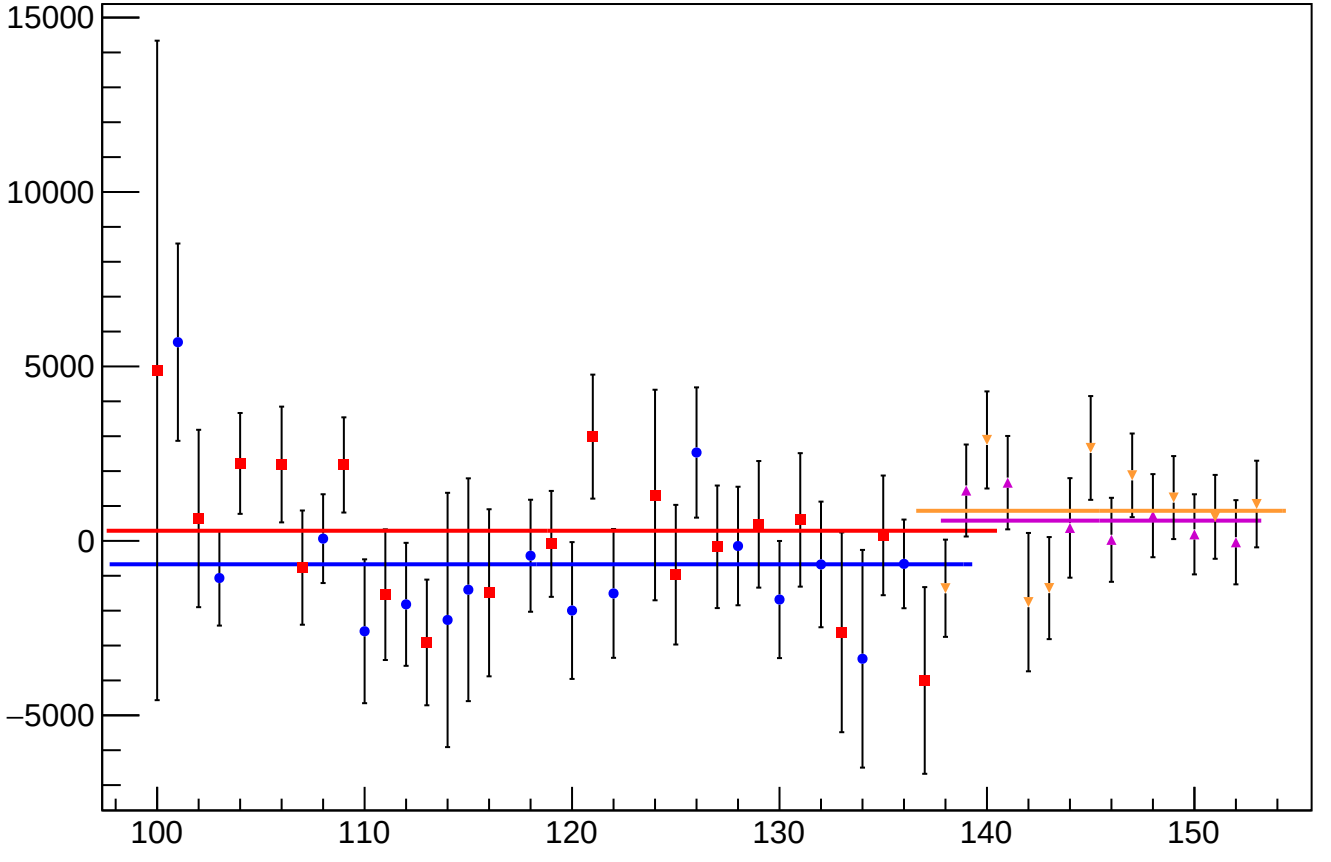
Left In: 3416.794+/-0.986 χ^2/NDF:193866.1/6

+ sign 3393.894+/-0.647 χ^2/NDF: 729411.0/24

All: 3262.939+/-0.448 χ^2/NDF: 2299699.1/50

- sign 3142.279+/-0.621 χ^2/NDF: 1491575.8/25

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 862.179+/-449.560 χ^2/NDF:11.0/8

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

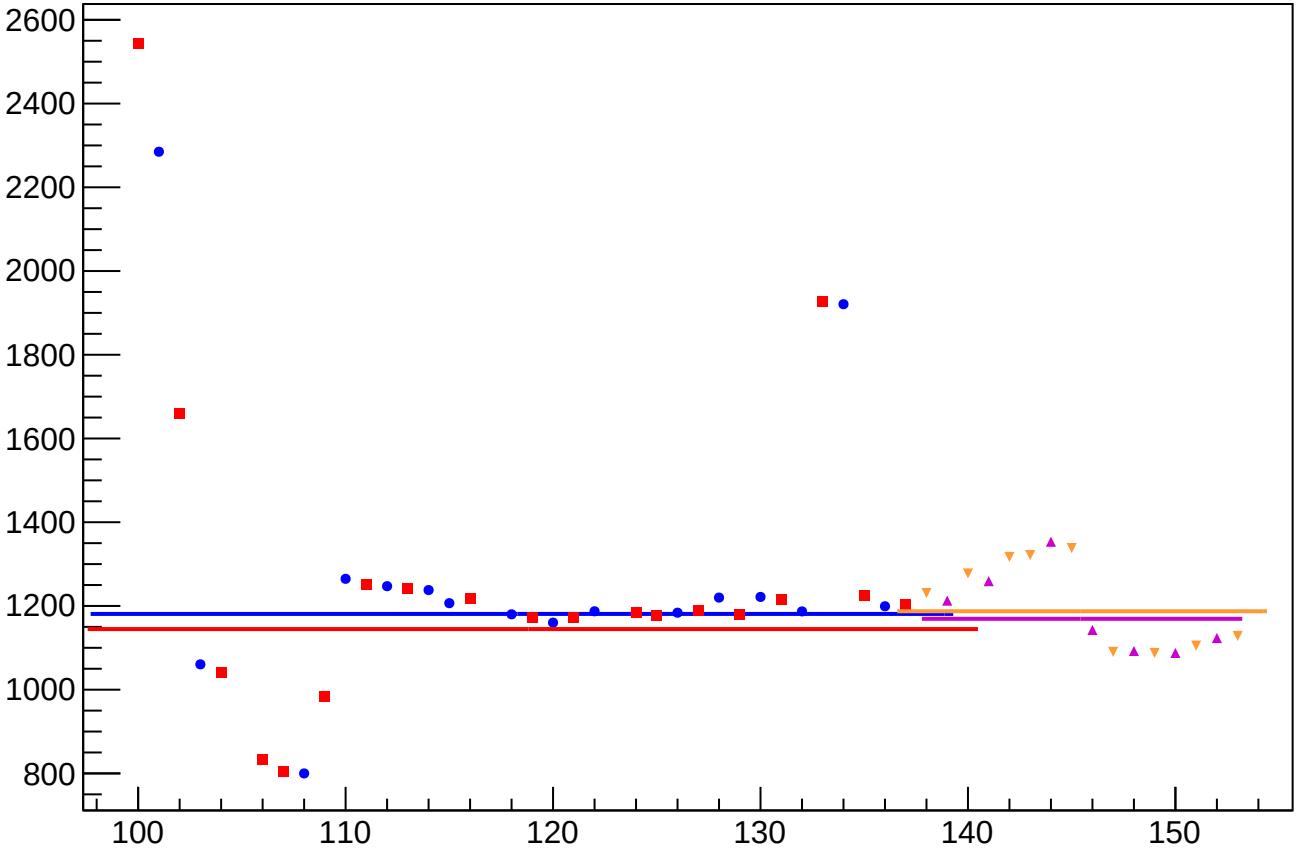
Left In: 580.261+/-473.261 χ^2/NDF:1.7/6

+ sign 93.869+/-317.511 χ^2/NDF: 28.7/24

All: 257.085+/-225.401 χ^2/NDF: 48.1/50

- sign 422.906+/-320.035 χ^2/NDF: 18.9/25

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1187.335+/-0.318 χ^2/NDF:97341.3/8

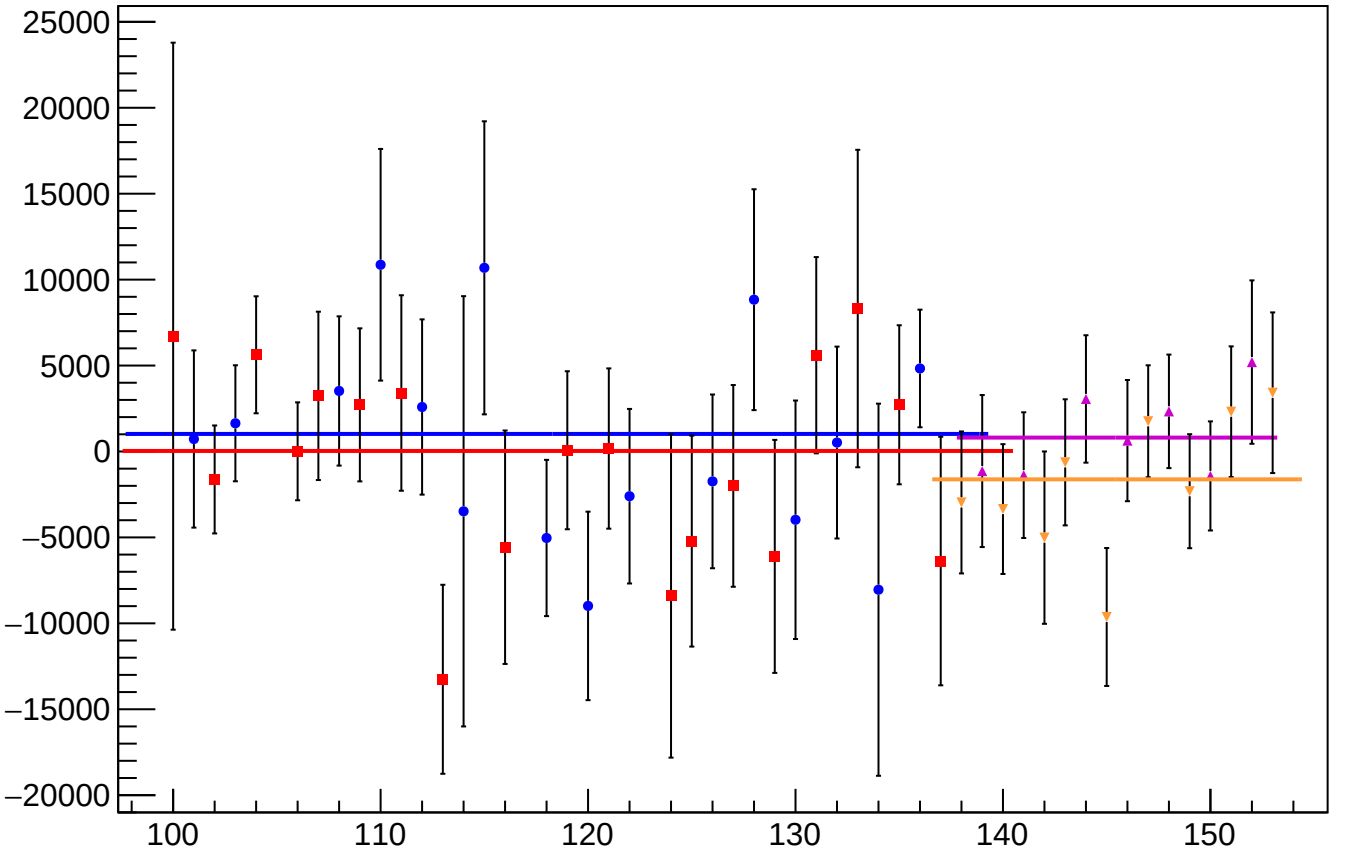
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1169.269+/-0.335 χ^2/NDF:66794.4/6

+ sign 1184.137+/-0.225 χ^2/NDF: 719422.1/24

All: 1170.162+/-0.159 χ^2/NDF: 1294663.8/50

- sign 1155.971+/-0.226 χ^2/NDF: 567432.9/25



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -1621.767+/-1285.745 χ^2/NDF:8.2/8

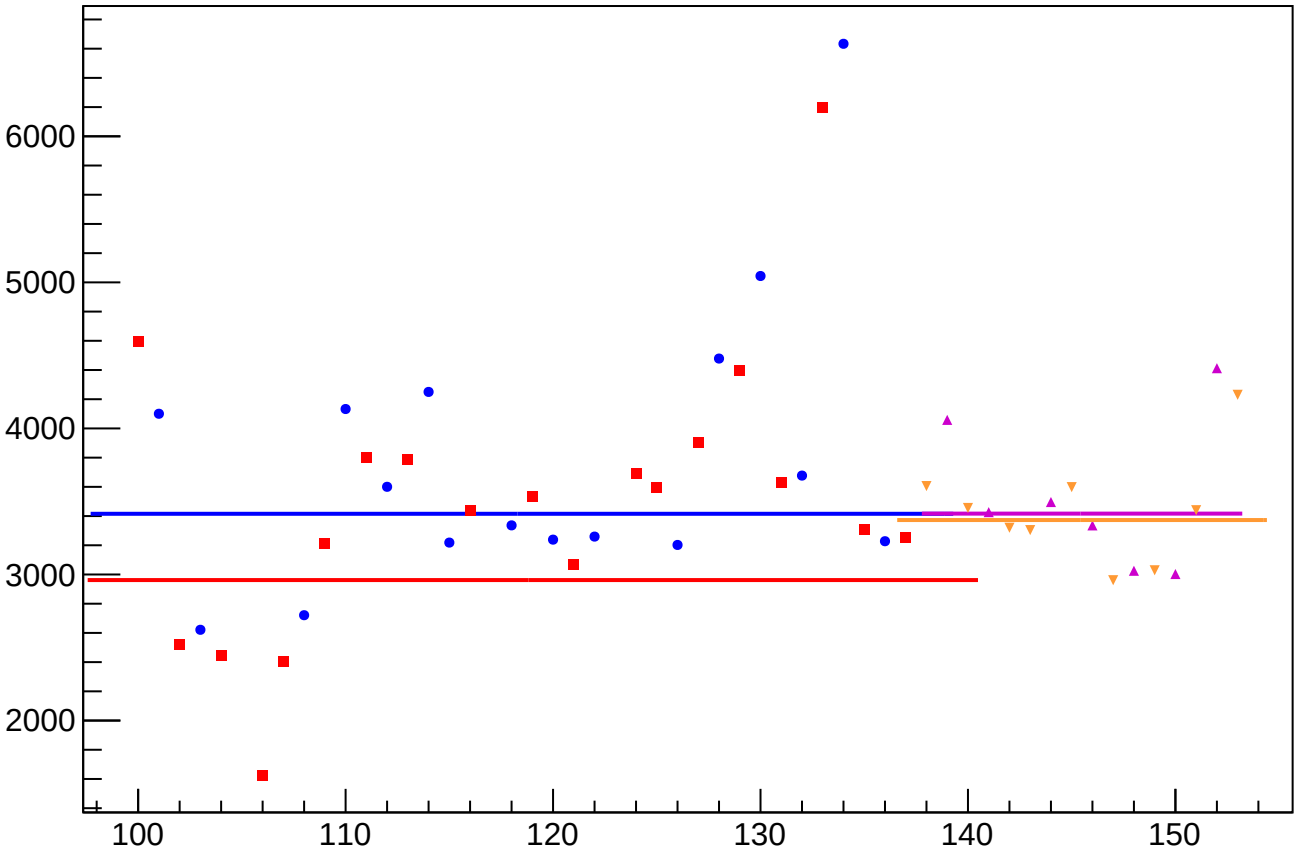
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 807.199+/-1394.540 χ^2/NDF:2.5/6

+ sign -317.405+/-915.001 χ^2/NDF: 24.1/24

All: 23.899+/-633.629 χ^2/NDF: 43.2/50

- sign 338.373+/-878.299 χ^2/NDF: 18.8/25



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3372.749+/-0.909 χ^2/NDF:135969.5/8

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

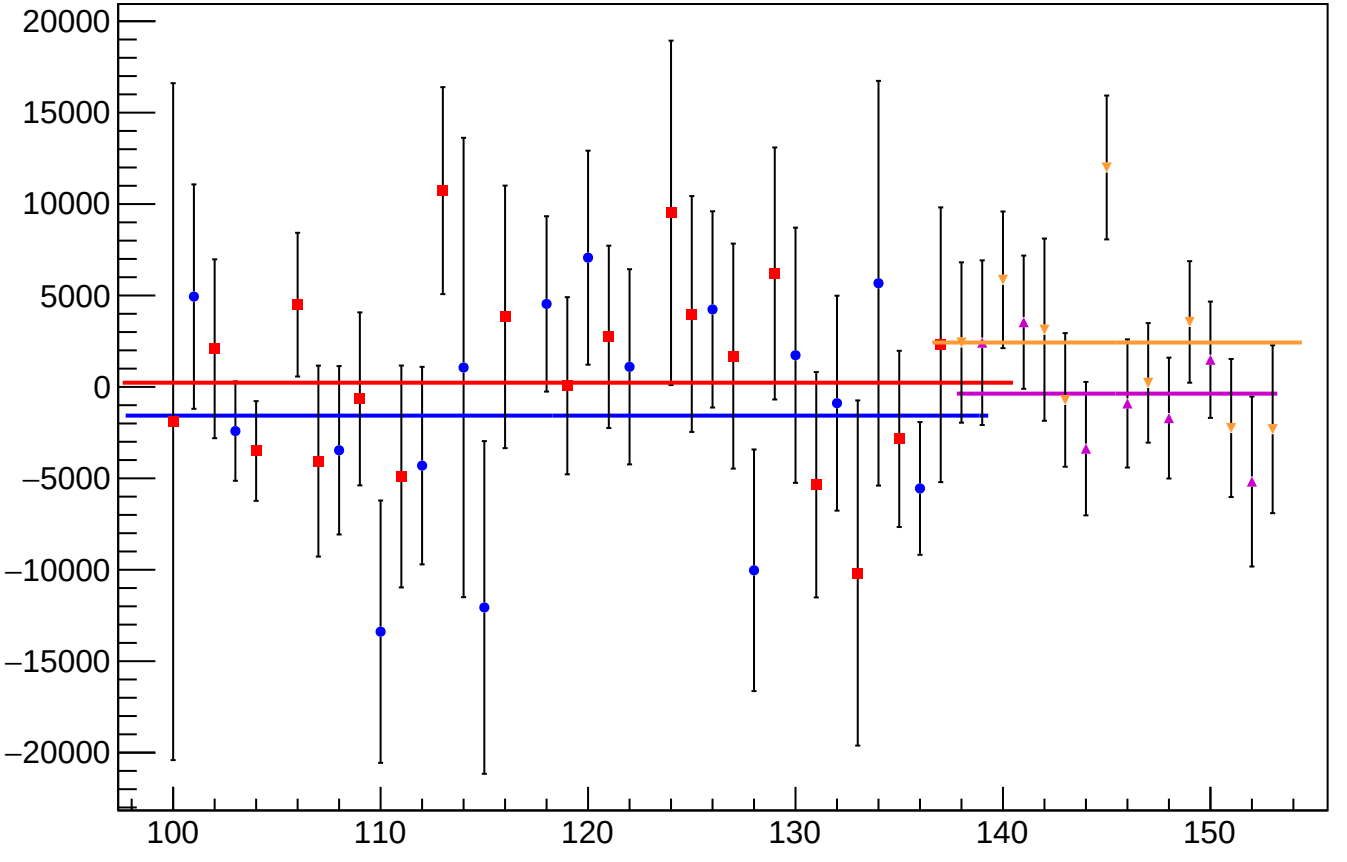
Left In: 3416.798+/-0.986 χ^2/NDF:193864.2/6

+ sign 3393.894+/-0.647 χ^2/NDF: 729404.5/24

All: 3262.938+/-0.448 χ^2/NDF: 2299697.0/50

- sign 3142.277+/-0.621 χ^2/NDF: 1491578.7/25

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2428.625+/-1285.605 χ^2/NDF:10.7/8

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

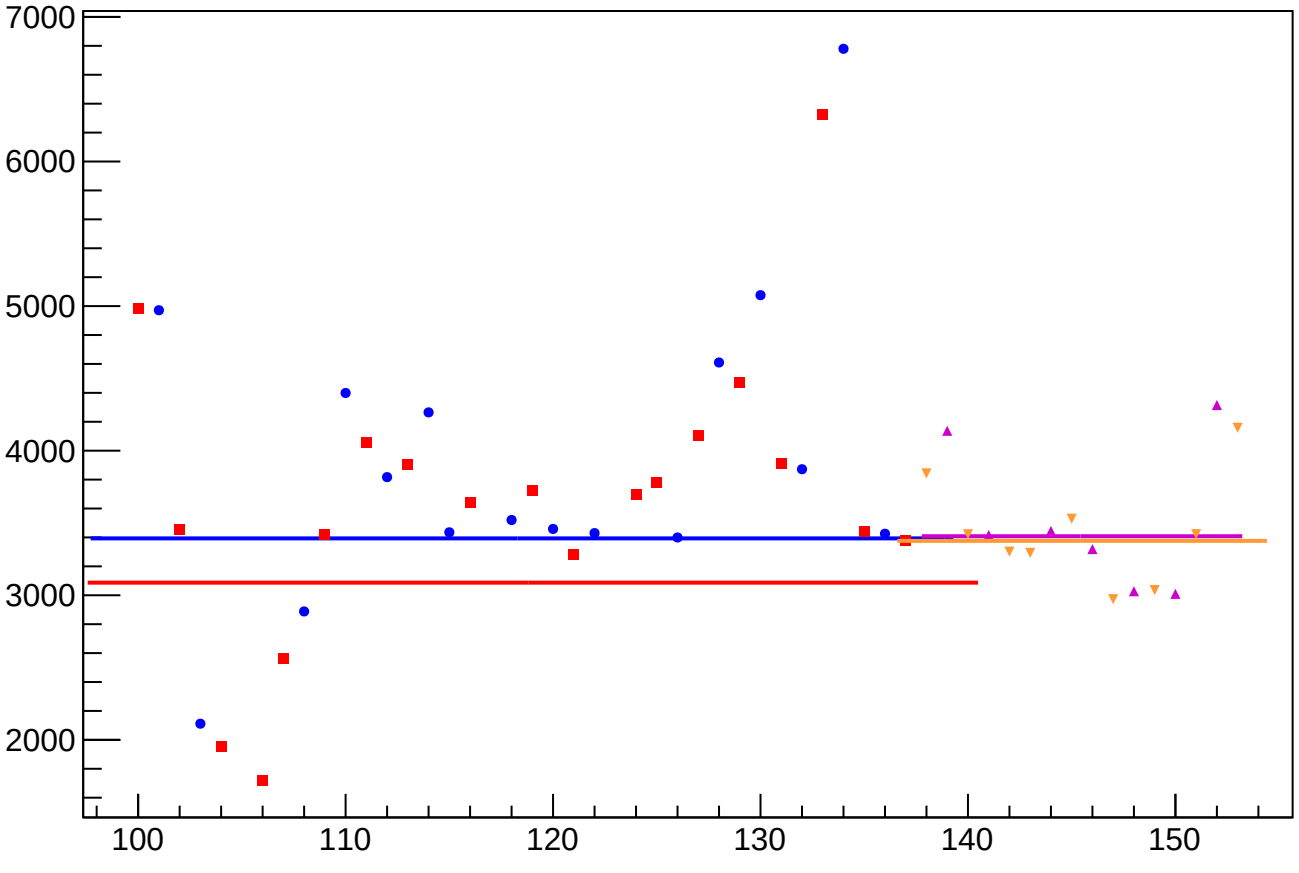
Left In: -366.801+/-1389.478 χ^2/NDF:3.8/6

+ sign 471.460+/-918.571 χ^2/NDF: 29.9/24

All: 220.633+/-649.536 χ^2/NDF: 47.2/50

- sign -30.207+/-918.595 χ^2/NDF: 17.1/25

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3376.205+/-0.909 χ^2/NDF:137176.4/8

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

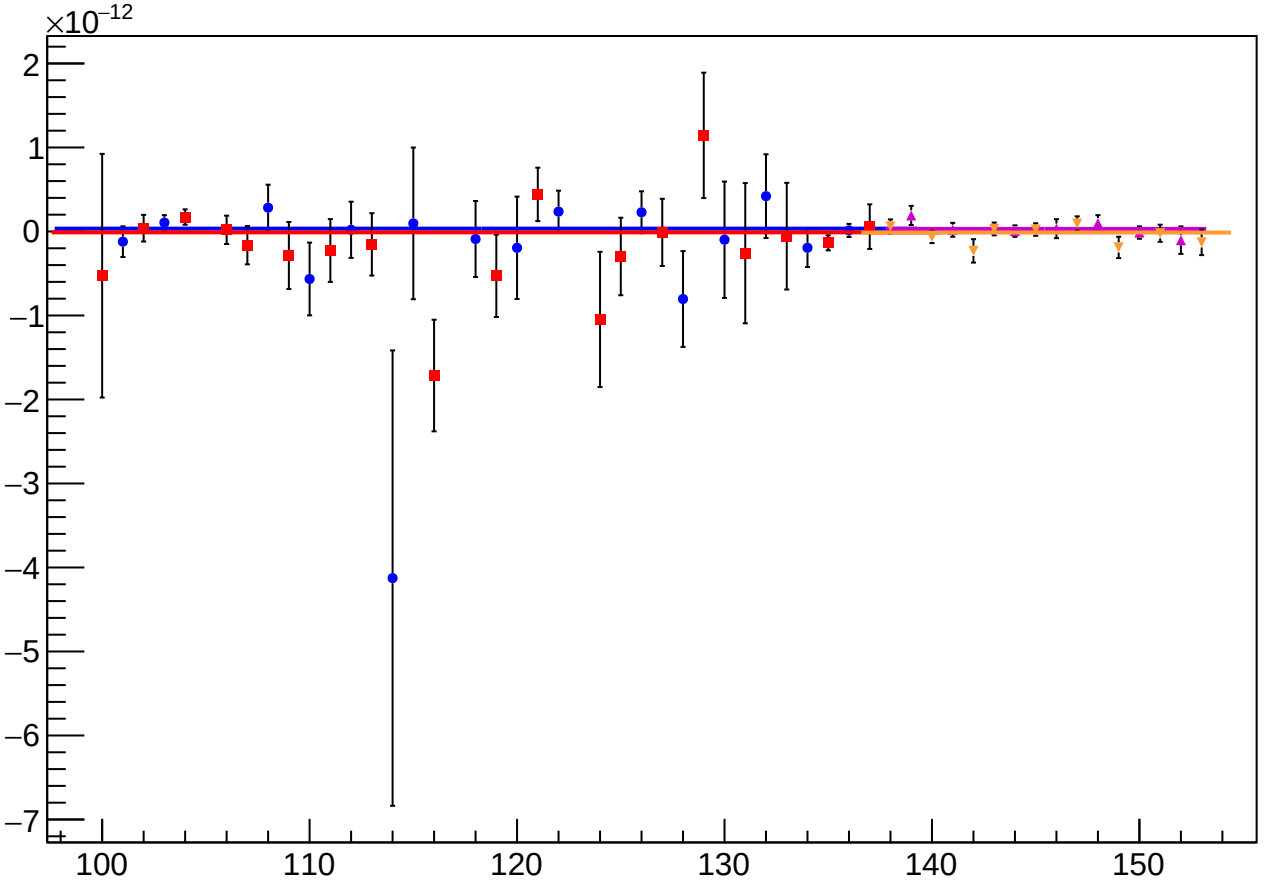
Left In: 3408.247+/-0.983 χ^2/NDF:188126.8/6

+ sign 3384.605+/-0.650 χ^2/NDF: 1186058.4/24

All: 3303.998+/-0.457 χ^2/NDF: 2794003.2/50

- sign 3224.916+/-0.643 χ^2/NDF: 1577434.2/25

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/8

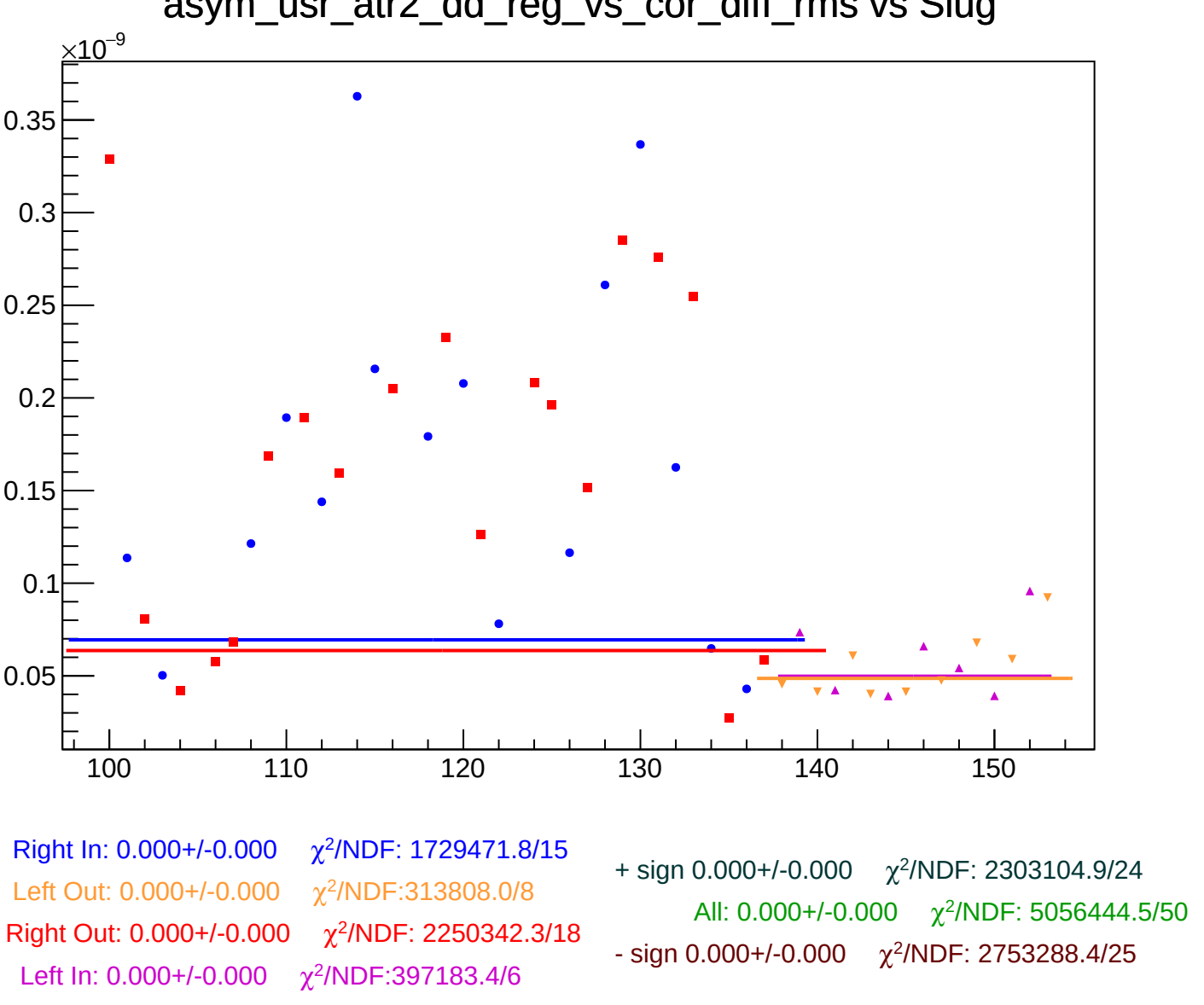
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

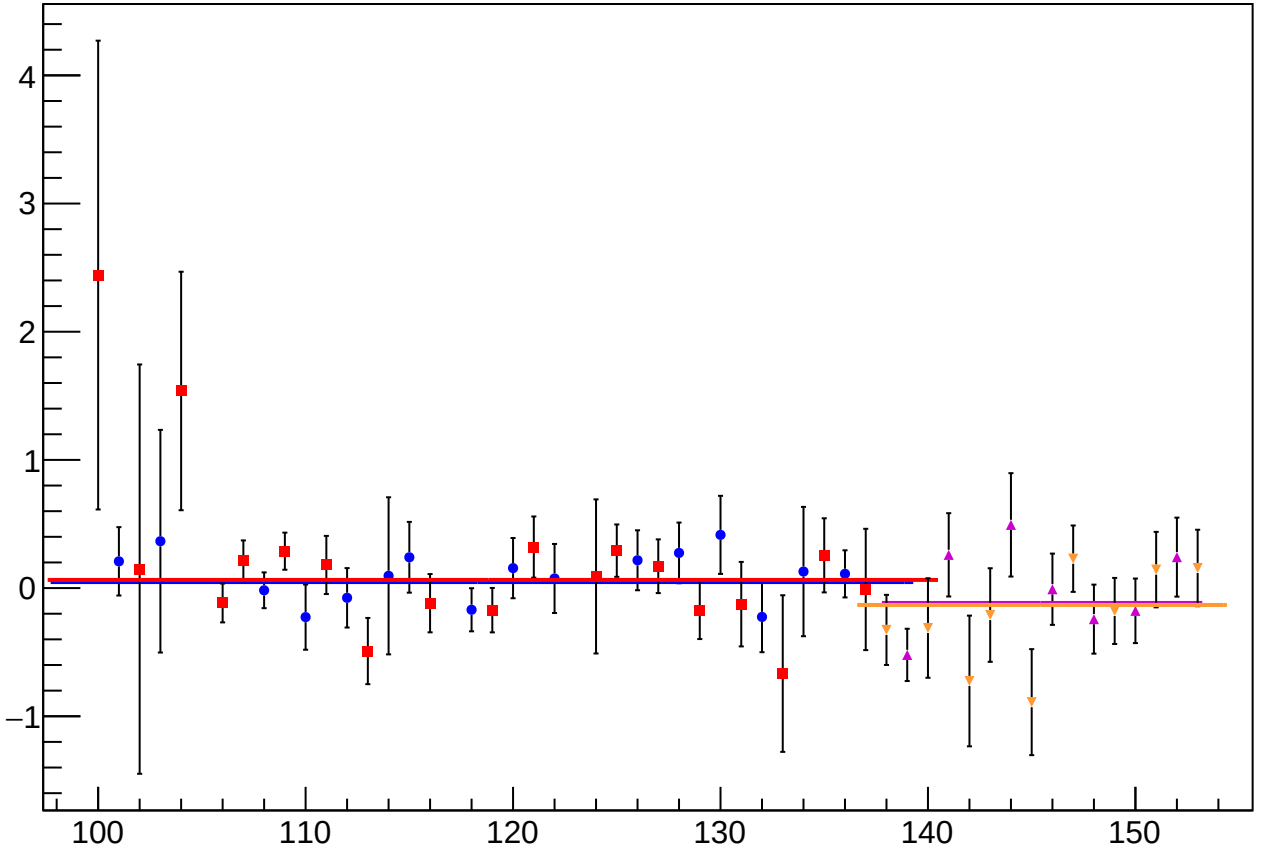
+ sign 0.000+/-0.000 χ^2/NDF: 20.7/24

All: 0.000+/-0.000 χ^2/NDF: 47.0/50

- sign 0.000+/-0.000 χ^2/NDF: 26.0/25


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1729471.8/15
Left Out: 0.000+/-0.000 χ²/NDF:313808.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 2250342.3/18
Left In: 0.000+/-0.000 χ²/NDF:397183.4/6
+ sign 0.000+/-0.000 χ²/NDF: 2303104.9/24
All: 0.000+/-0.000 χ²/NDF: 5056444.5/50
- sign 0.000+/-0.000 χ²/NDF: 2753288.4/25

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.132+/-0.105 χ^2/NDF:9.3/8

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

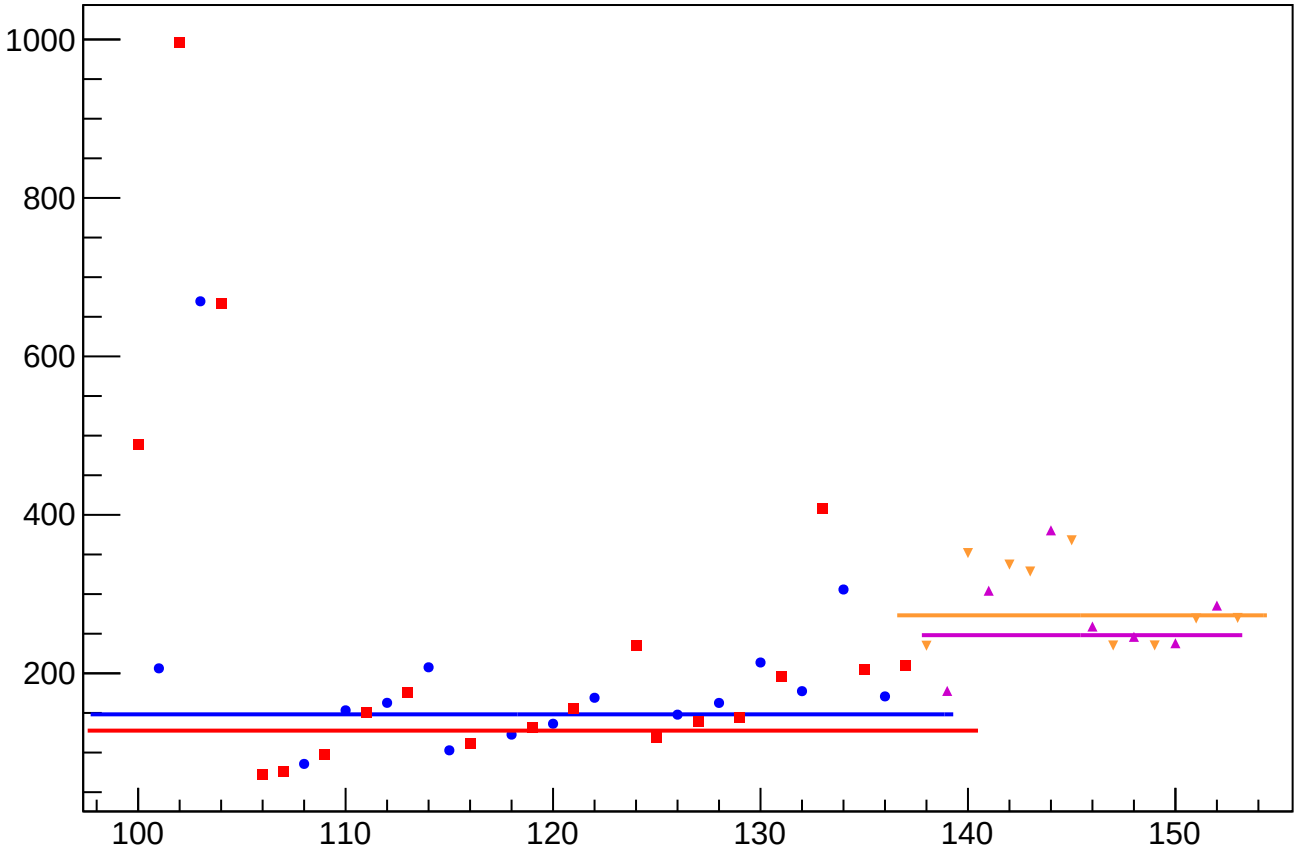
Left In: -0.116+/-0.104 χ^2/NDF:9.3/6

+ sign 0.003+/-0.052 χ^2/NDF: 20.0/24

All: 0.015+/-0.035 χ^2/NDF: 54.0/50

- sign 0.025+/-0.048 χ^2/NDF: 33.9/25

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.196+/-0.075 χ^2/NDF:390803.3/8

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

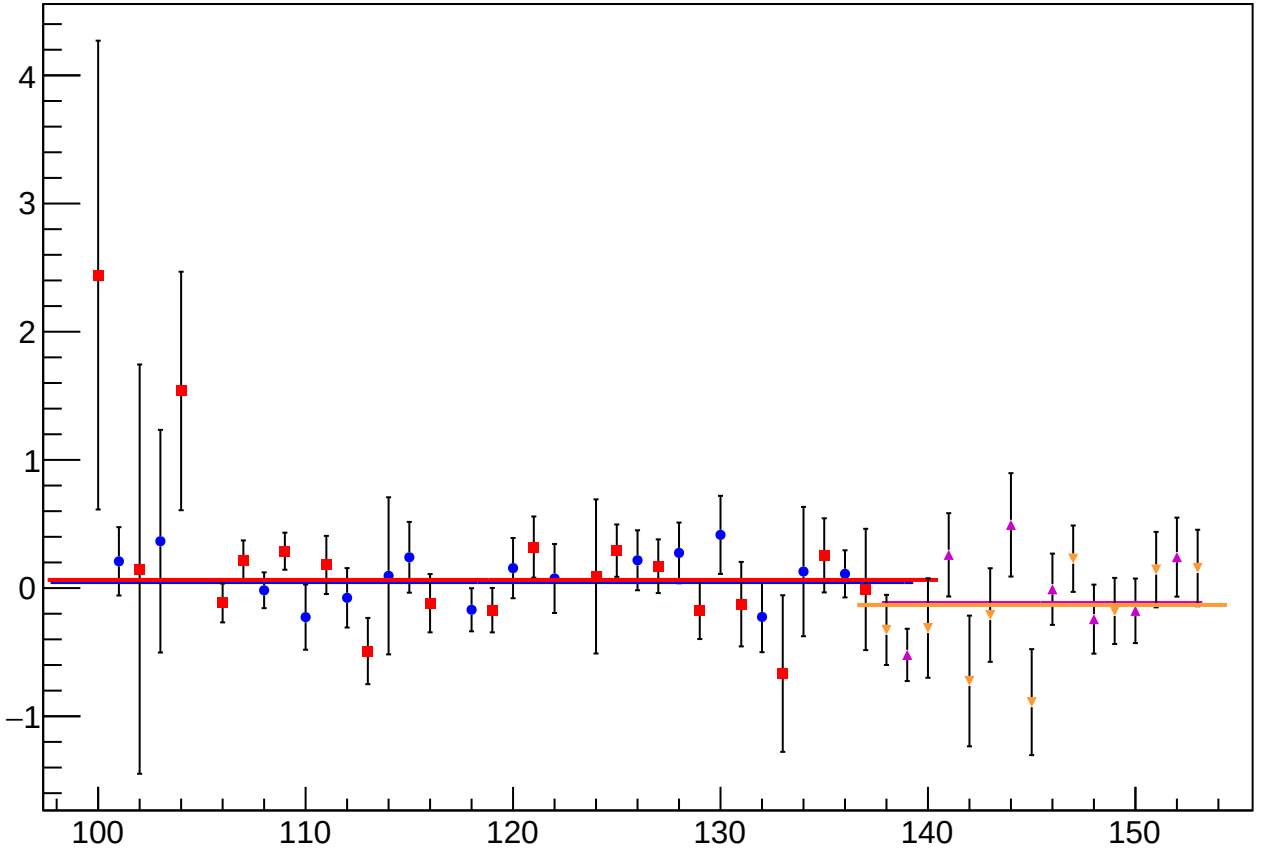
Left In: 248.159+/-0.073 χ^2/NDF:548753.0/6

+ sign 178.823+/-0.037 χ^2/NDF: 4221848.5/24

All: 165.379+/-0.025 χ^2/NDF: 9966476.4/50

- sign 153.819+/-0.034 χ^2/NDF: 5497597.9/25

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.132+/-0.105 χ^2/NDF:9.3/8

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

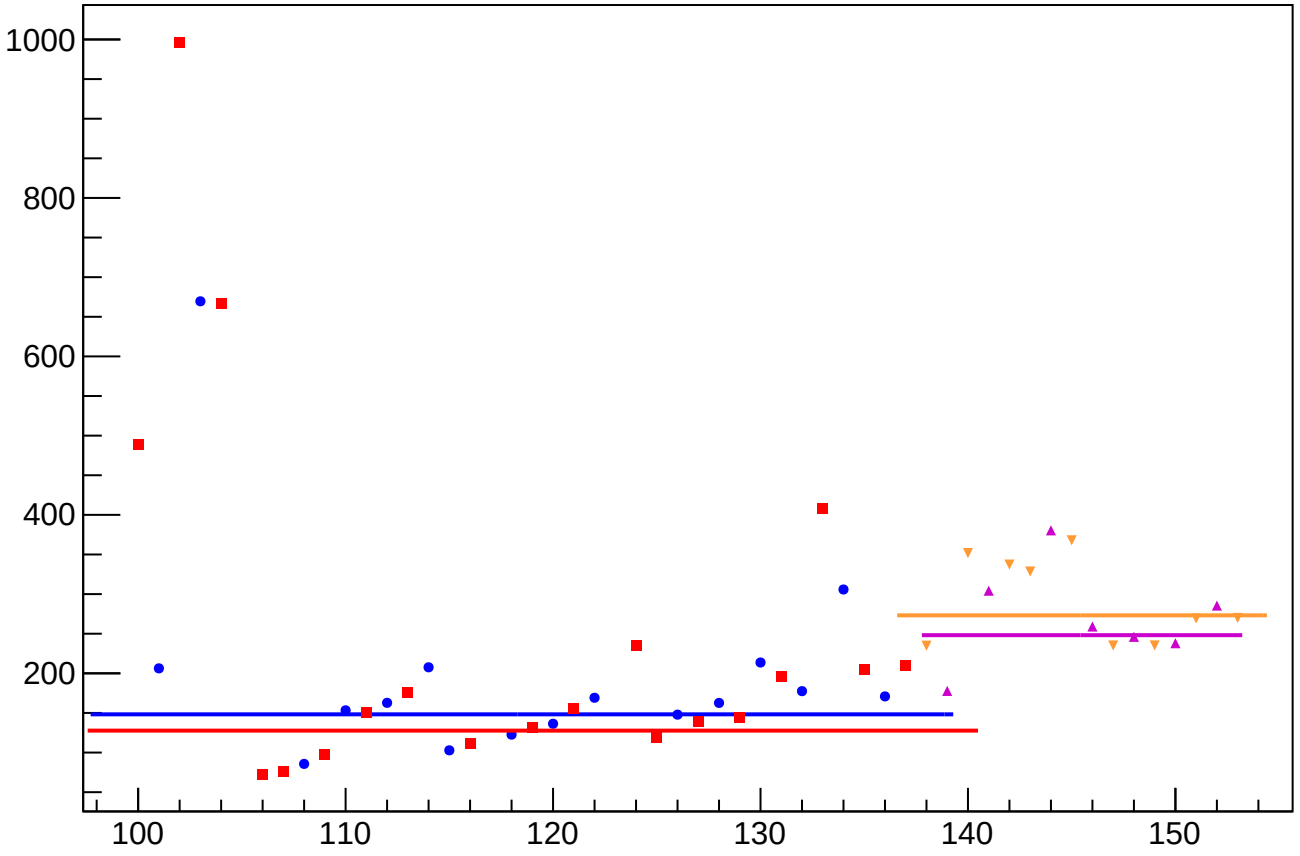
Left In: -0.116+/-0.104 χ^2/NDF:9.3/6

+ sign 0.003+/-0.052 χ^2/NDF: 20.0/24

All: 0.015+/-0.035 χ^2/NDF: 54.0/50

- sign 0.025+/-0.048 χ^2/NDF: 33.9/25

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.196+/-0.075 χ^2/NDF:390803.3/8

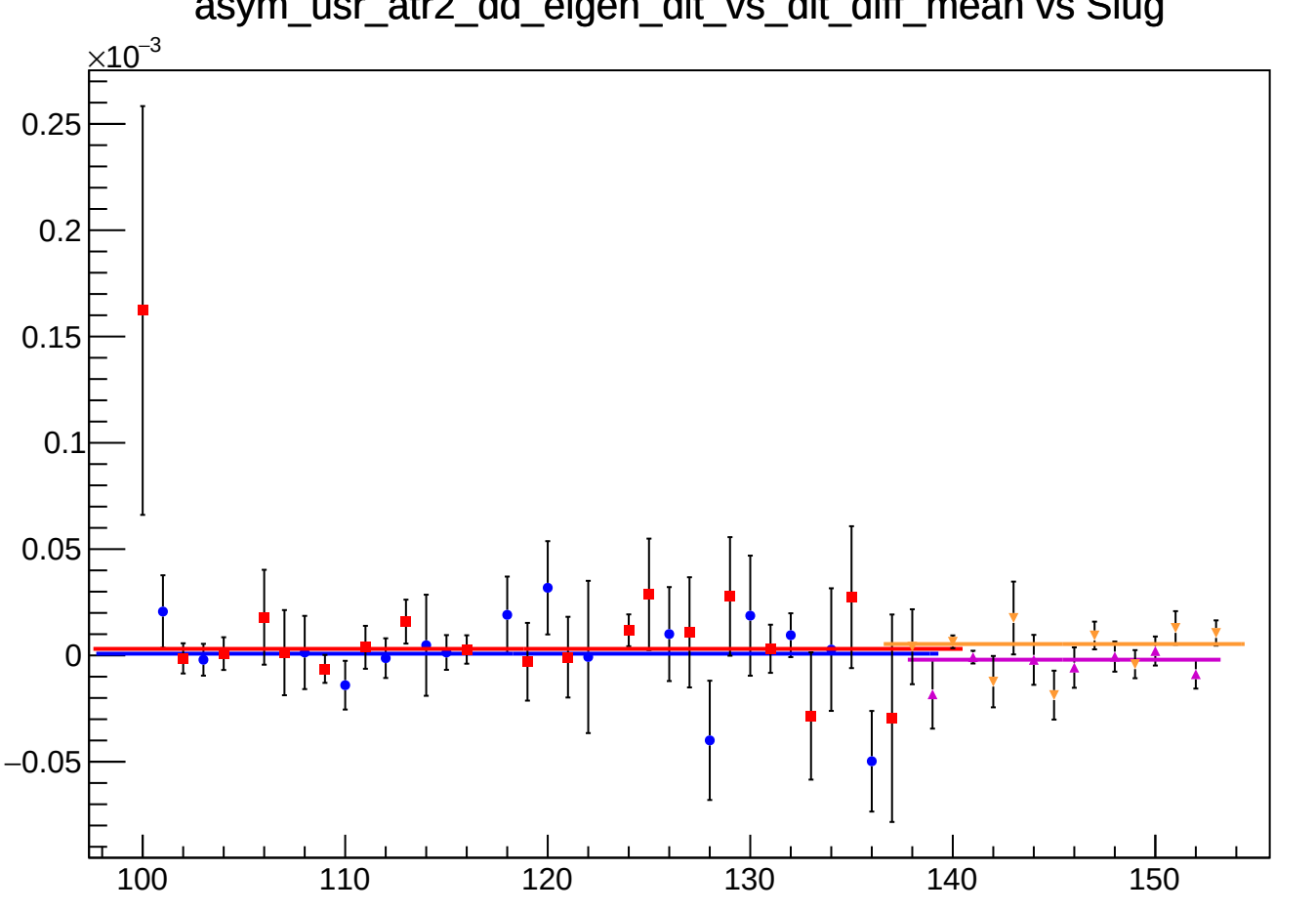
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

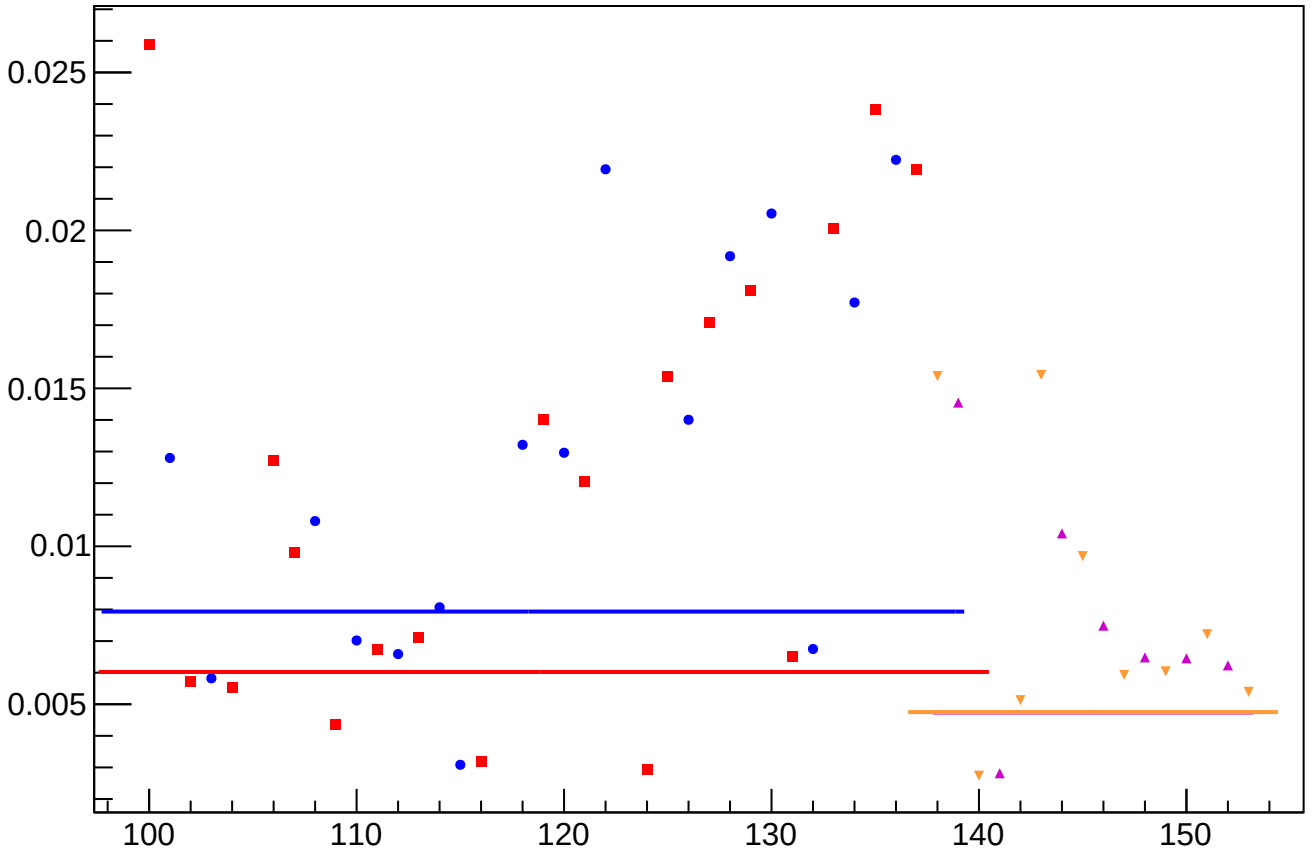
Left In: 248.159+/-0.073 χ^2/NDF:548753.0/6

+ sign 178.823+/-0.037 χ^2/NDF: 4221848.5/24

All: 165.379+/-0.025 χ^2/NDF: 9966476.4/50

- sign 153.819+/-0.034 χ^2/NDF: 5497597.9/25


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: 0.000+/-0.000 χ²/NDF:11.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 12.7/18
Left In: -0.000+/-0.000 χ²/NDF:2.7/6
+ sign 0.000+/-0.000 χ²/NDF: 26.8/24
All: 0.000+/-0.000 χ²/NDF: 46.9/50
- sign 0.000+/-0.000 χ²/NDF: 17.6/25



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3143616.9/8

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

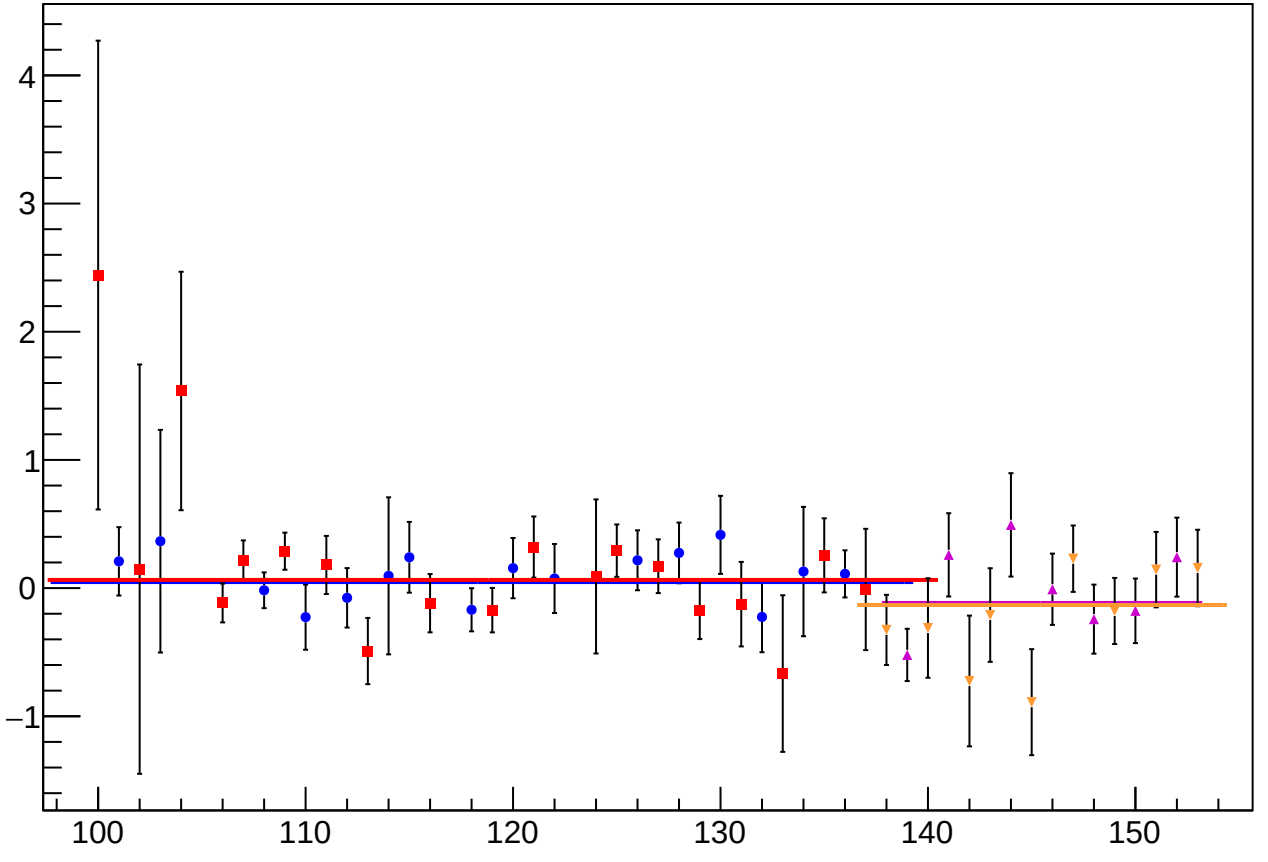
Left In: 0.005+/-0.000 χ^2/NDF:2535945.1/6

+ sign 0.006+/-0.000 χ^2/NDF: 7952873.1/24

All: 0.005+/-0.000 χ^2/NDF: 14808823.7/50

- sign 0.005+/-0.000 χ^2/NDF: 6819685.9/25

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.132+/-0.105 χ^2/NDF:9.3/8

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

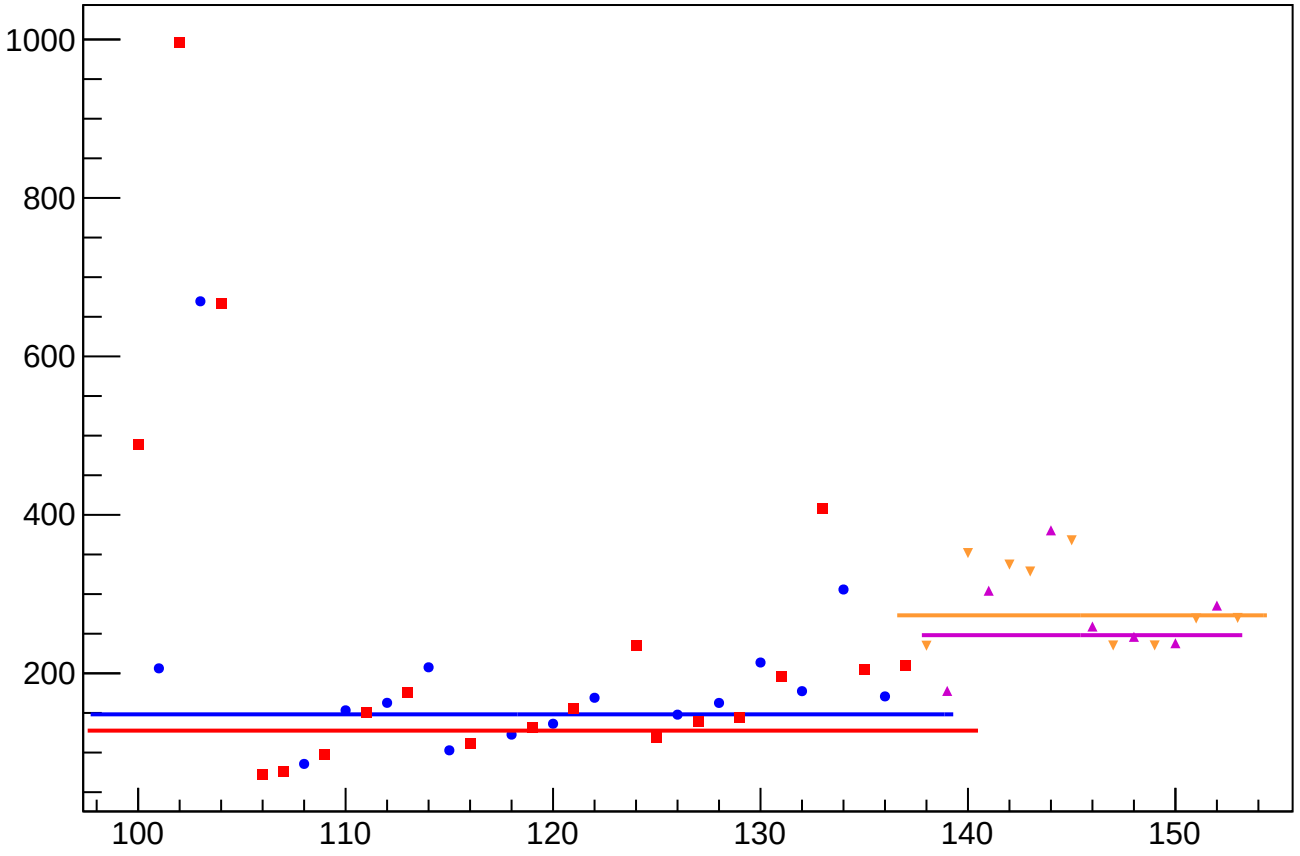
Left In: -0.116+/-0.104 χ^2/NDF:9.3/6

+ sign 0.003+/-0.052 χ^2/NDF: 20.0/24

All: 0.015+/-0.035 χ^2/NDF: 54.0/50

- sign 0.025+/-0.048 χ^2/NDF: 33.9/25

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 273.199+/-0.075 χ^2/NDF:390781.5/8

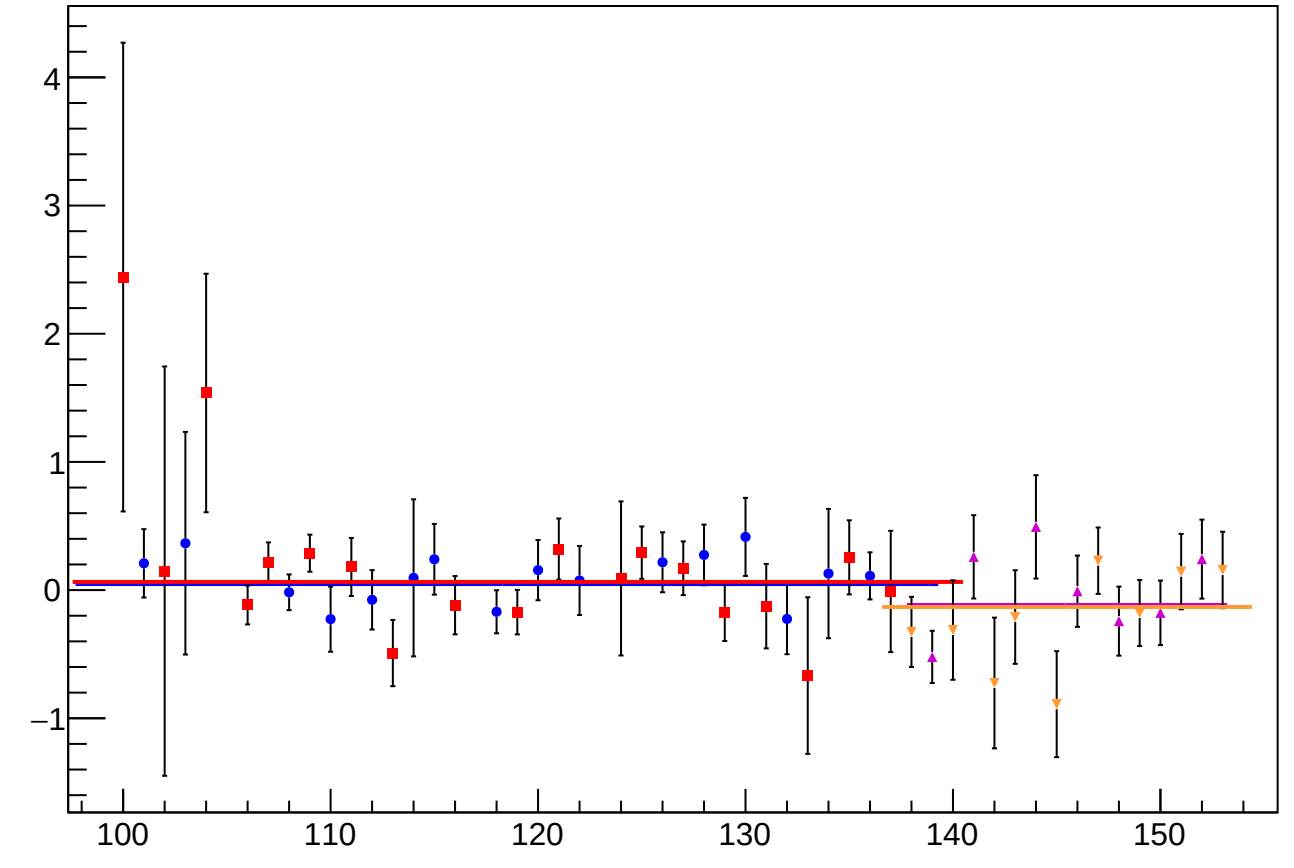
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 248.162+/-0.073 χ^2/NDF:548720.4/6

+ sign 178.821+/-0.037 χ^2/NDF: 4222076.3/24

All: 165.379+/-0.025 χ^2/NDF: 9966687.9/50

- sign 153.819+/-0.034 χ^2/NDF: 5497628.3/25



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.132+/-0.105 χ^2/NDF:9.3/8

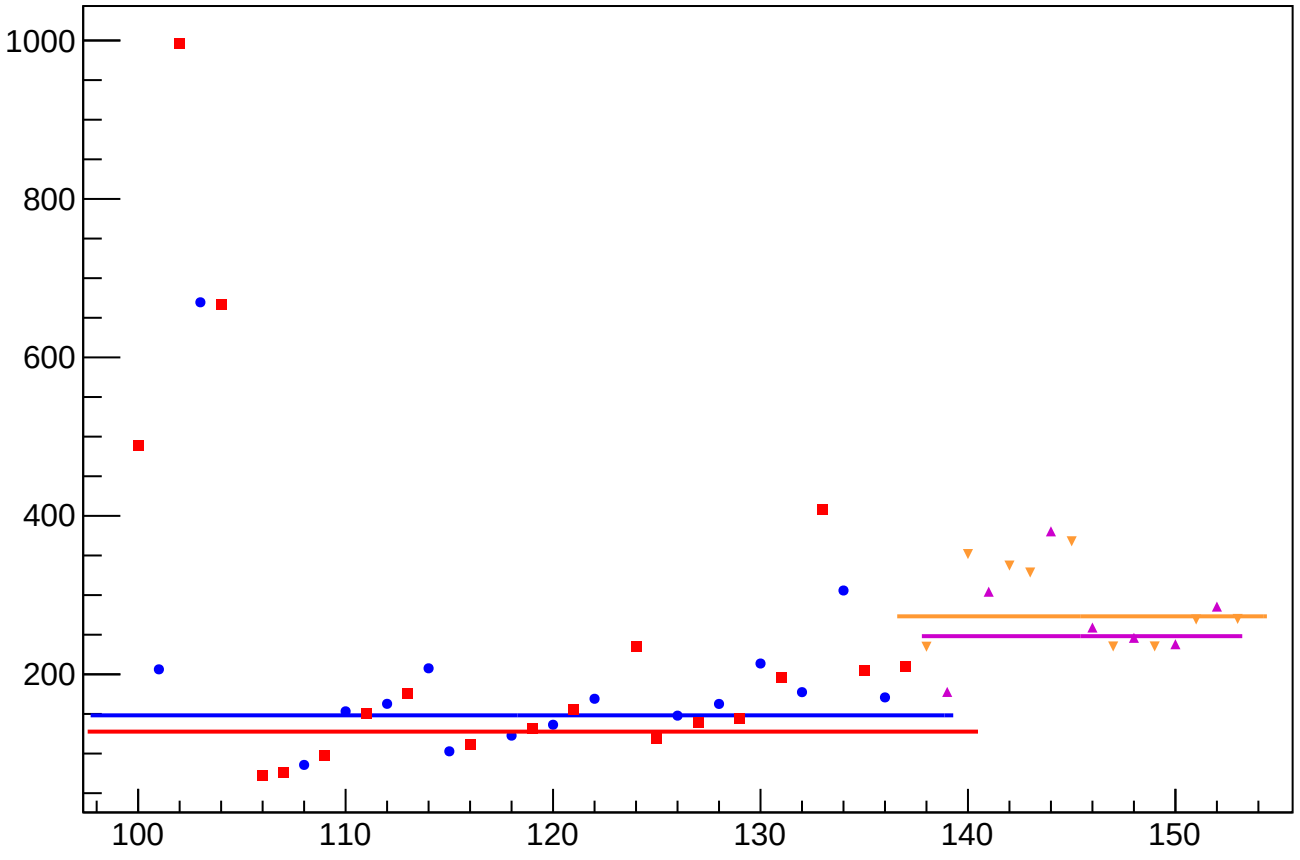
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.116+/-0.104 χ^2/NDF:9.3/6

+ sign 0.003+/-0.052 χ^2/NDF: 20.0/24

All: 0.015+/-0.035 χ^2/NDF: 54.0/50

- sign 0.025+/-0.048 χ^2/NDF: 33.9/25



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 273.199+/-0.075 χ^2/NDF:390781.5/8

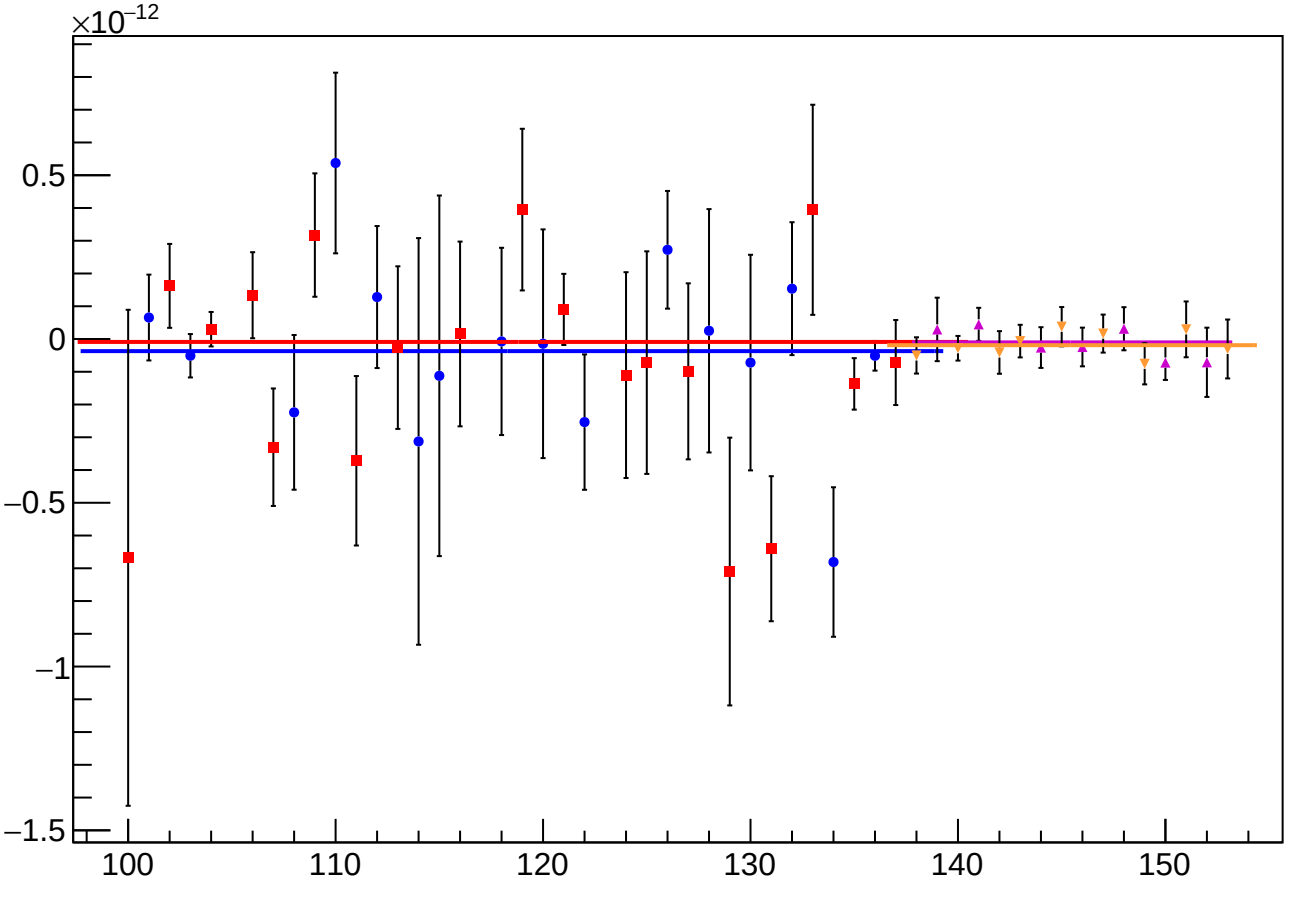
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 248.162+/-0.073 χ^2/NDF:548720.4/6

+ sign 178.821+/-0.037 χ^2/NDF: 4222076.3/24

All: 165.379+/-0.025 χ^2/NDF: 9966687.9/50

- sign 153.819+/-0.034 χ^2/NDF: 5497628.3/25



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/8

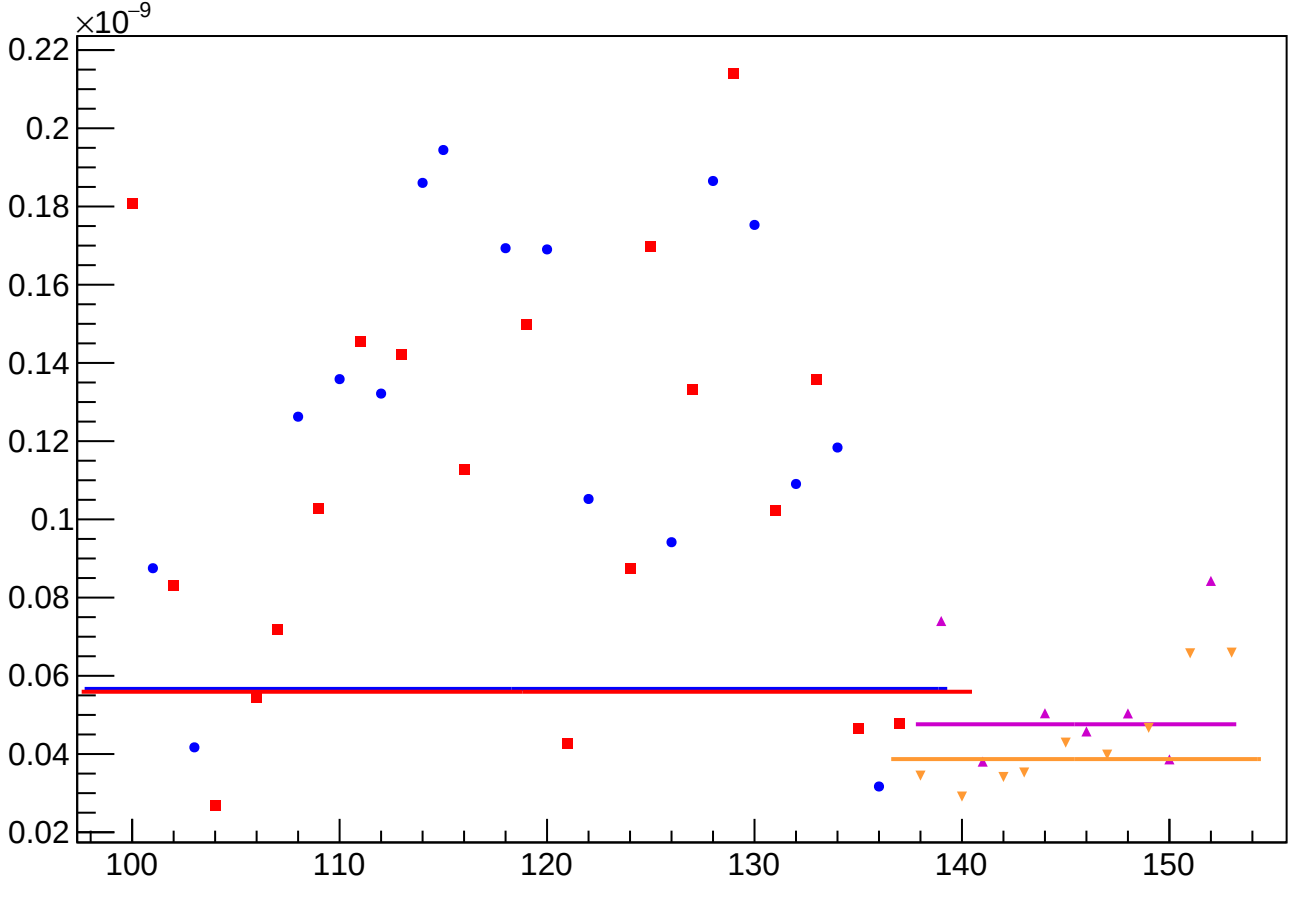
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.7/24

All: -0.000+/-0.000 χ^2/NDF: 58.3/50

- sign -0.000+/-0.000 χ^2/NDF: 35.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:588445.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

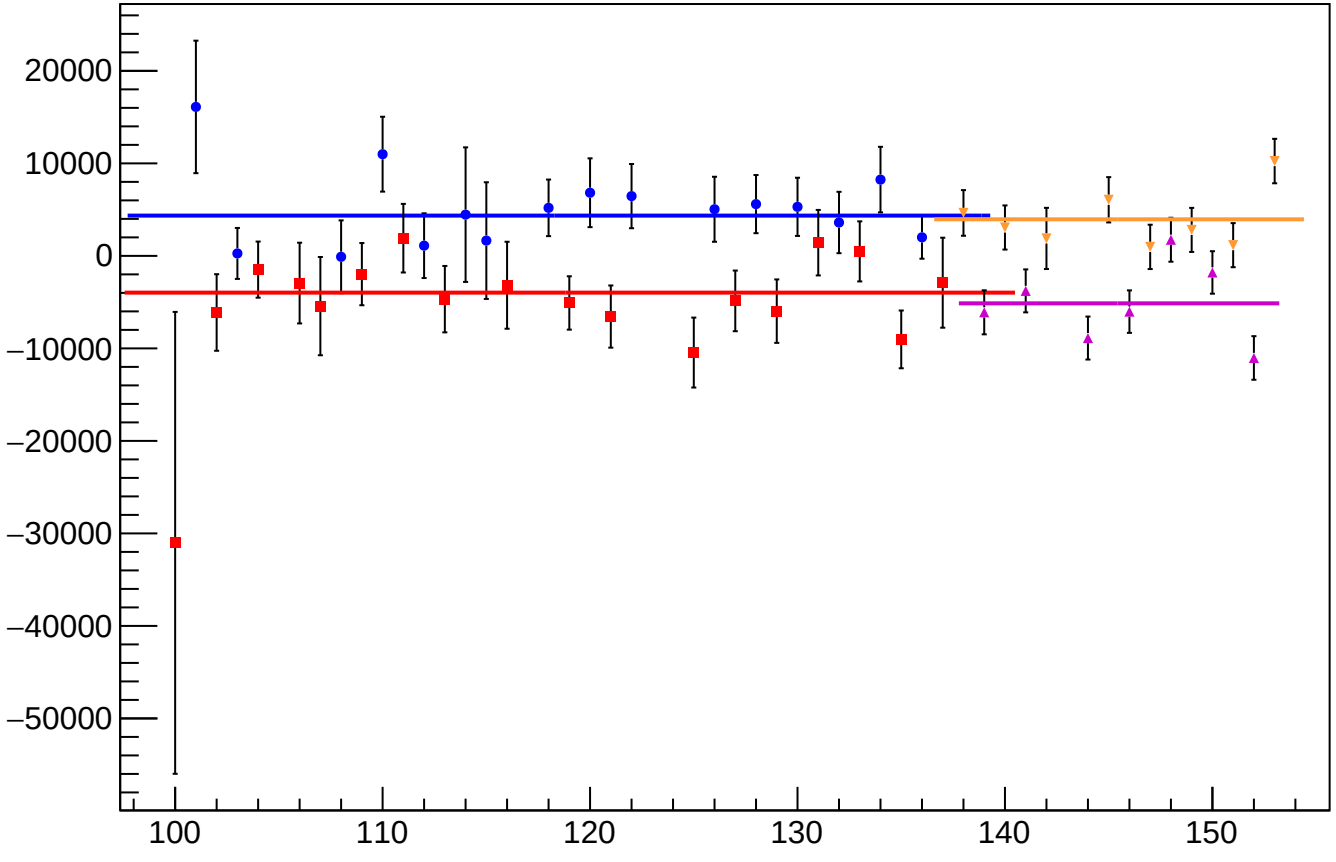
Left In: 0.000+/-0.000 χ^2/NDF:527586.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 4162900.5/24

All: 0.000+/-0.000 χ^2/NDF: 7674459.9/50

- sign 0.000+/-0.000 χ^2/NDF: 3346760.0/25

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3952.846+/-877.694 χ^2/NDF:11.4/7

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

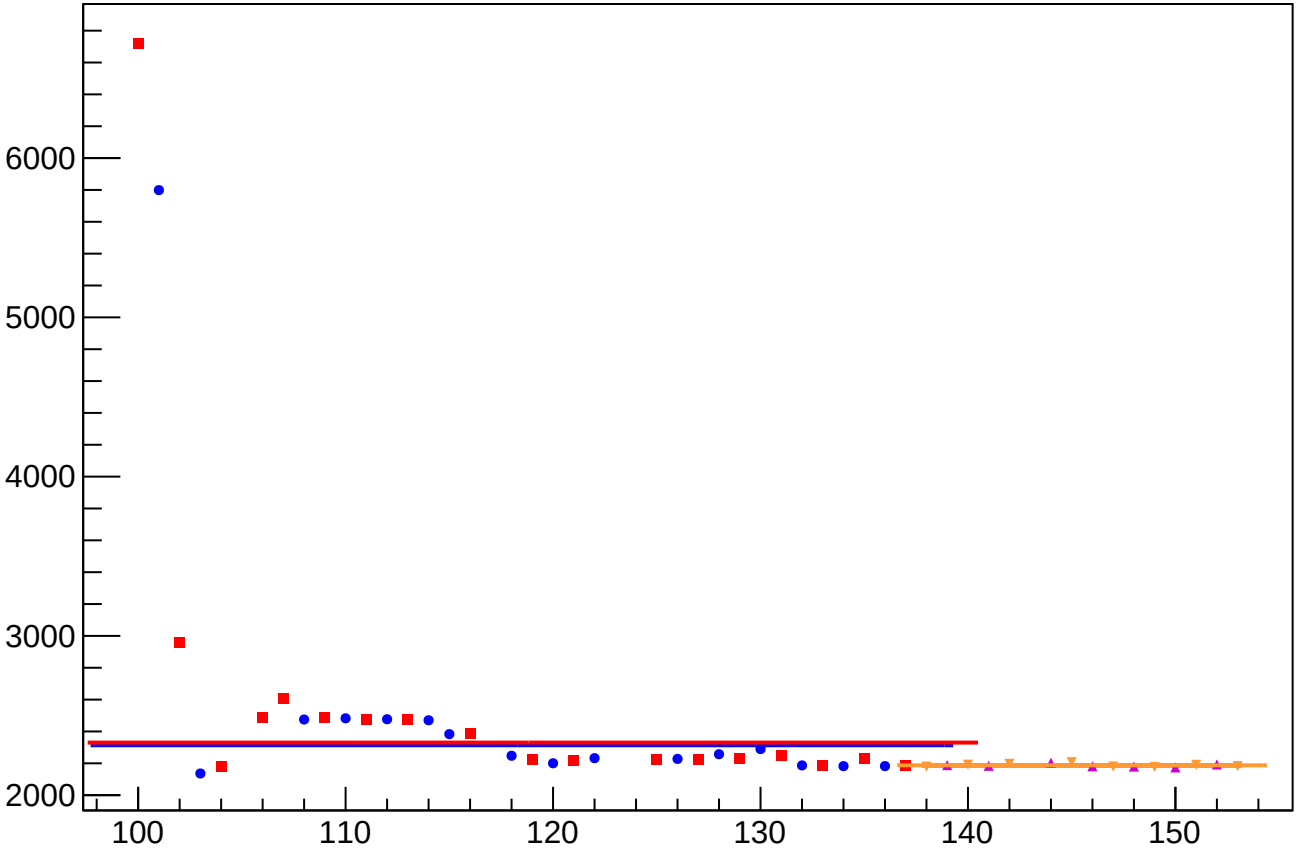
Left In: -5129.701+/-882.430 χ^2/NDF:20.0/6

+ sign 4154.180+/-619.724 χ^2/NDF: 24.9/23

All: -192.633+/-438.309 χ^2/NDF: 160.4/48

- sign -4543.344+/-620.002 χ^2/NDF: 37.1/24

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2187.469+/-0.621 χ^2/NDF:241.5/7

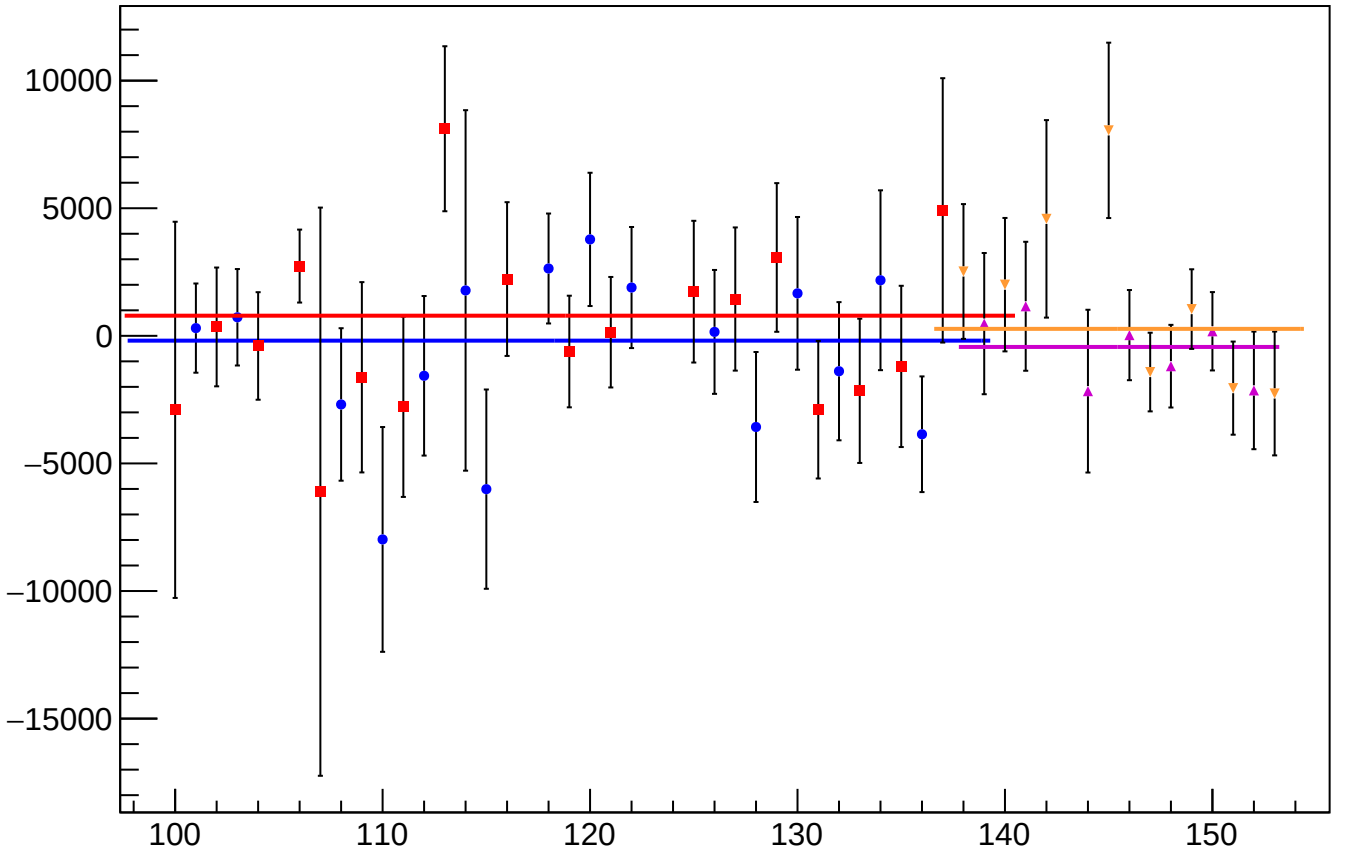
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2186.400+/-0.624 χ^2/NDF:210.9/6

+ sign 2250.623+/-0.438 χ^2/NDF: 533263.7/23

All: 2254.916+/-0.310 χ^2/NDF: 711769.8/48

- sign 2259.213+/-0.438 χ^2/NDF: 178314.2/24



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 273.205+/-757.425 χ^2/NDF:11.7/7

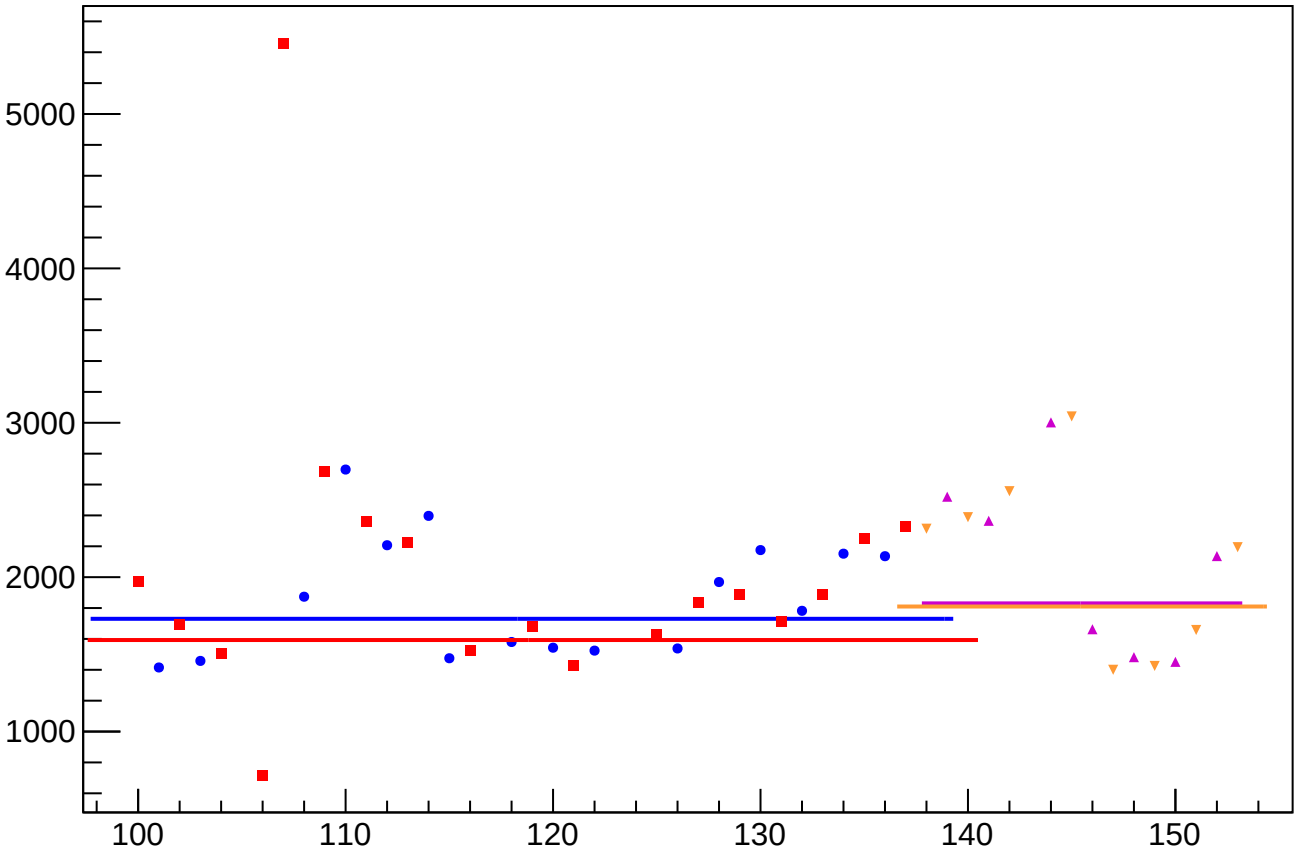
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -435.501+/-766.988 χ^2/NDF:1.8/6

+ sign 10.104+/-496.879 χ^2/NDF: 28.3/23

All: 152.925+/-348.555 χ^2/NDF: 46.7/48

- sign 291.297+/-489.076 χ^2/NDF: 18.2/24



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1809.926+/-0.536 χ^2/NDF:829221.2/7

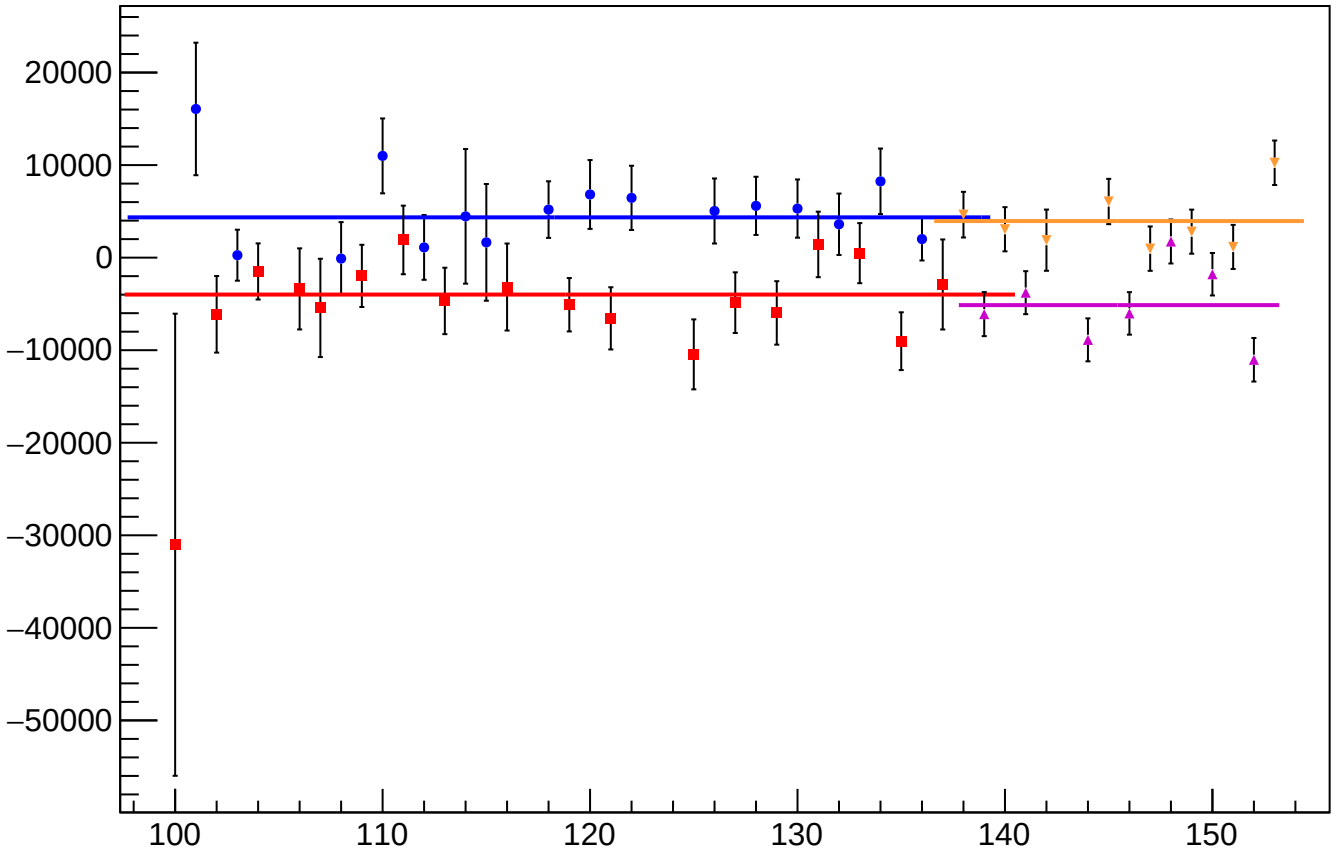
Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1830.168+/-0.542 χ^2/NDF:752201.6/6

+ sign 1764.560+/-0.351 χ^2/NDF: 1320748.2/23

All: 1726.349+/-0.246 χ^2/NDF: 3766085.8/48

- sign 1689.330+/-0.346 χ^2/NDF: 2422051.3/24



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3952.624+/-877.694 χ^2/NDF:11.4/7

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

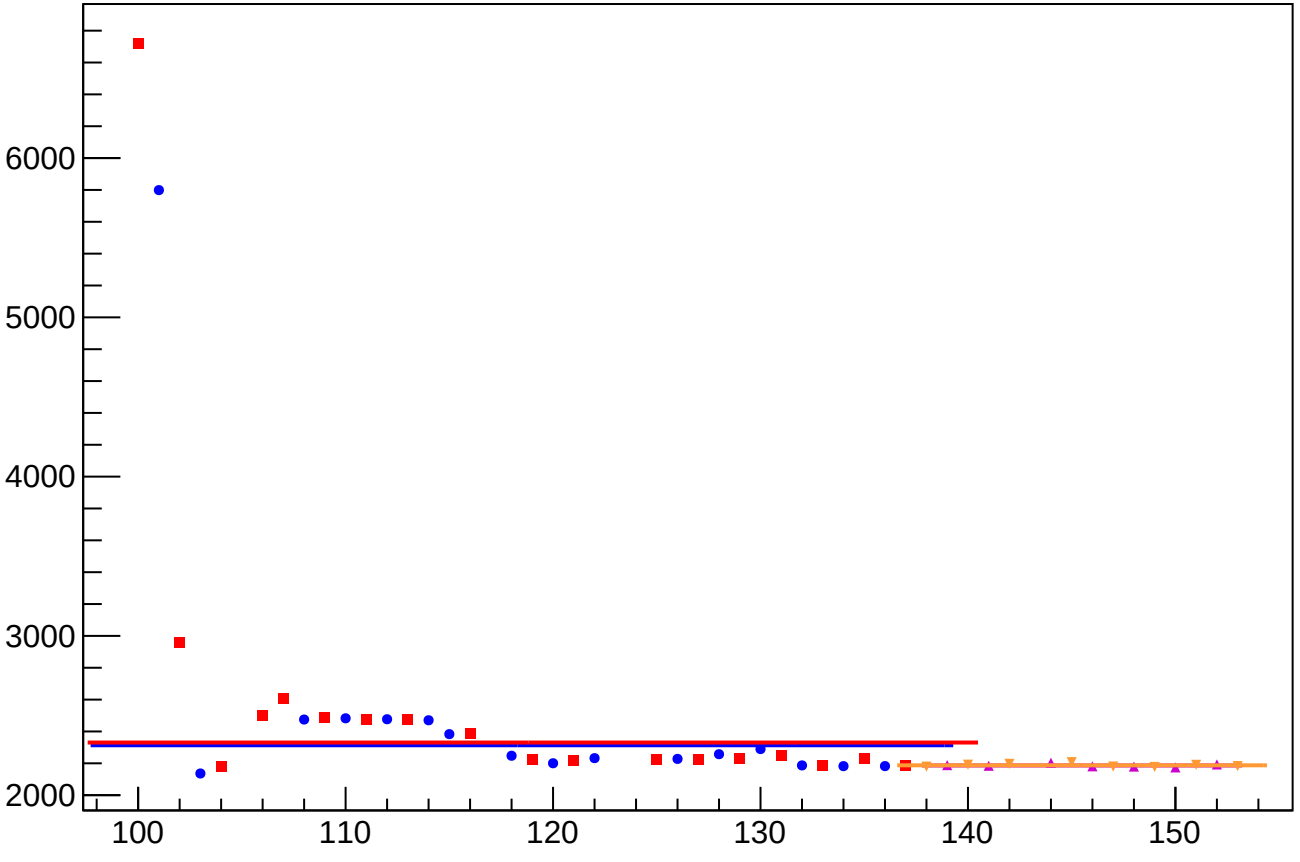
Left In: -5130.028+/-882.431 χ^2/NDF:20.0/6

+ sign 4153.728+/-619.724 χ^2/NDF: 24.8/23

All: -197.216+/-438.328 χ^2/NDF: 160.5/48

- sign -4552.822+/-620.056 χ^2/NDF: 37.0/24

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.469+/-0.621 χ^2/NDF:241.5/7

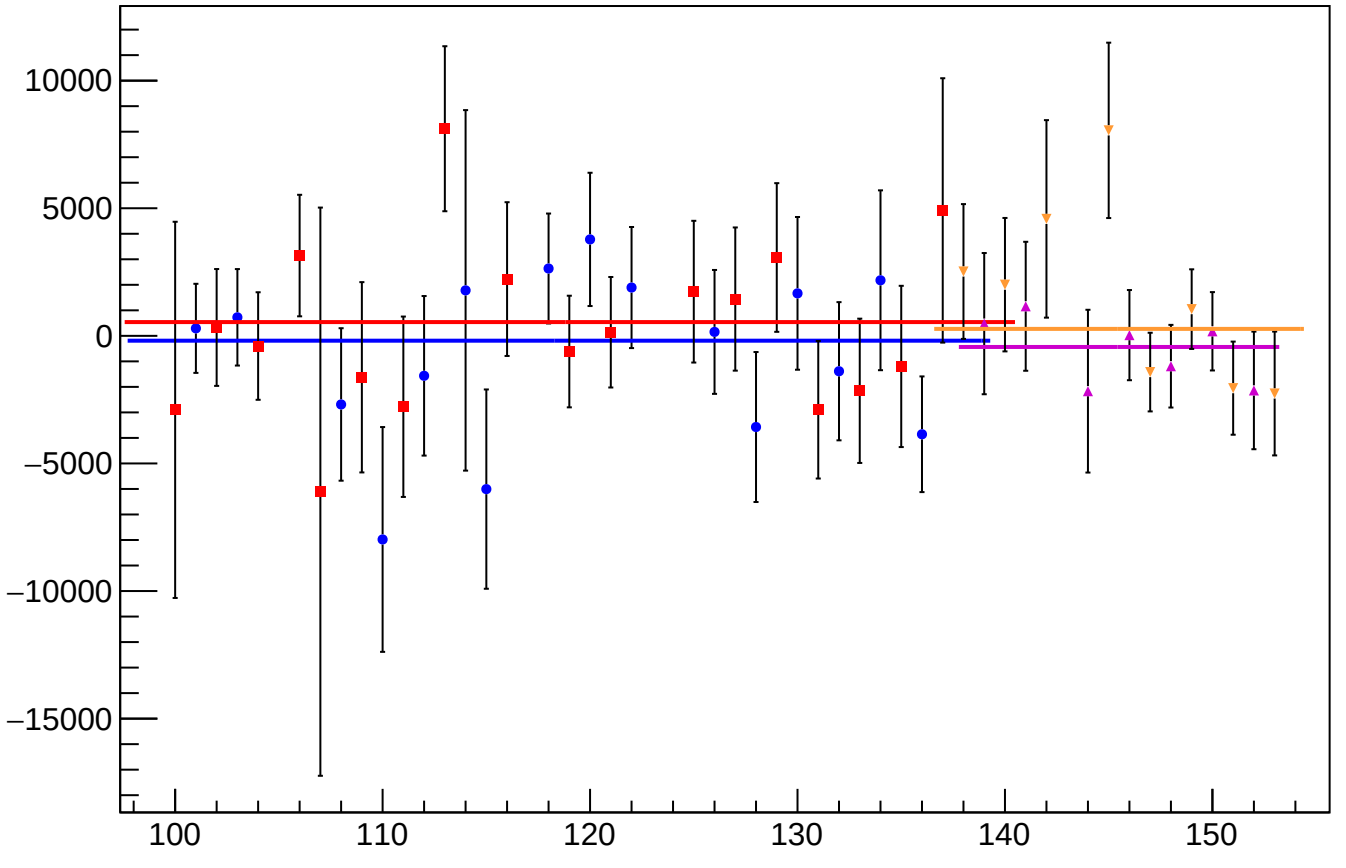
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.400+/-0.624 χ^2/NDF:210.9/6

+ sign 2250.623+/-0.438 χ^2/NDF: 533264.1/23

All: 2255.003+/-0.310 χ^2/NDF: 712257.9/48

- sign 2259.387+/-0.438 χ^2/NDF: 178794.0/24



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 272.822+/-757.423 χ^2/NDF:11.7/7

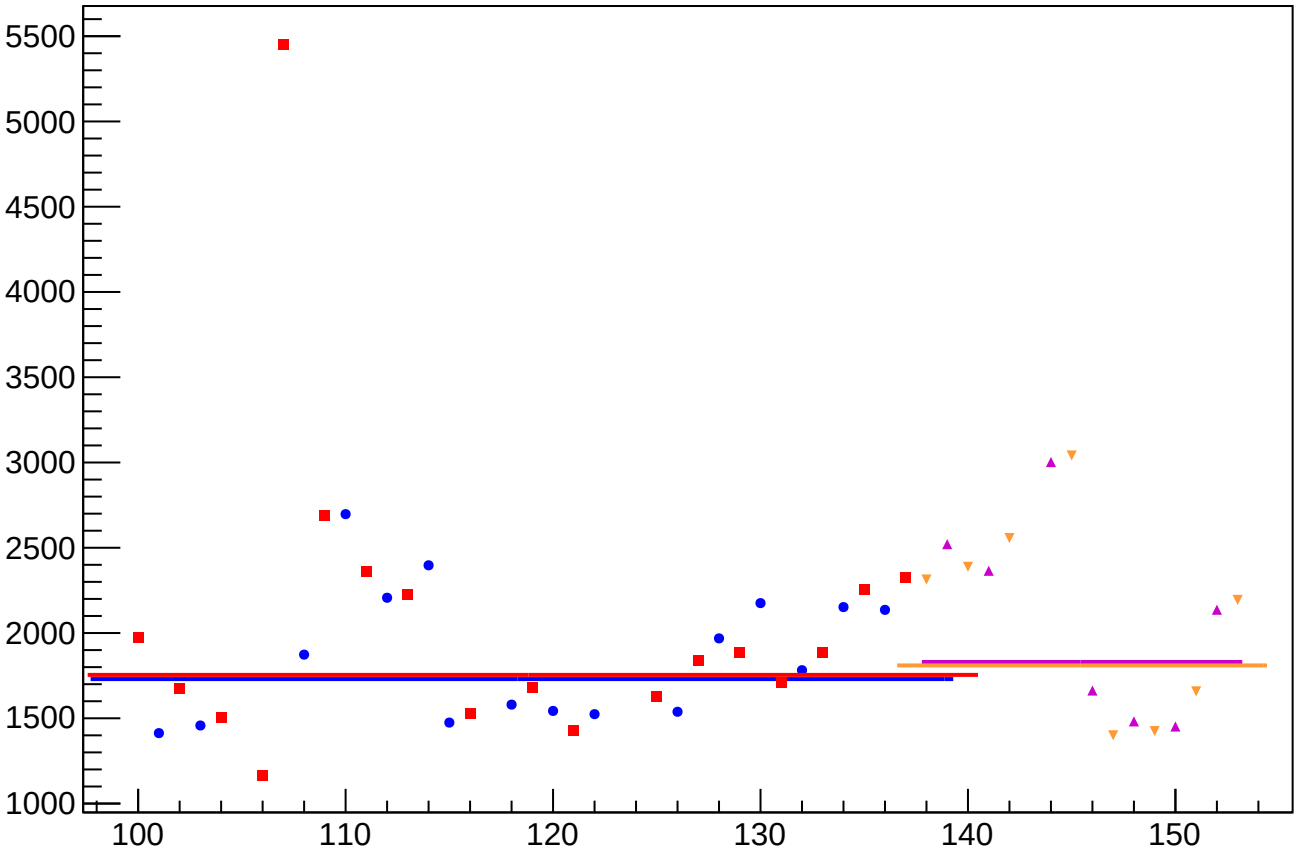
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -435.623+/-766.990 χ^2/NDF:1.8/6

+ sign 9.267+/-496.823 χ^2/NDF: 28.3/23

All: 59.299+/-355.217 χ^2/NDF: 45.0/48

- sign 111.622+/-508.071 χ^2/NDF: 16.6/24



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1809.919+/-0.536 χ^2/NDF:829224.4/7

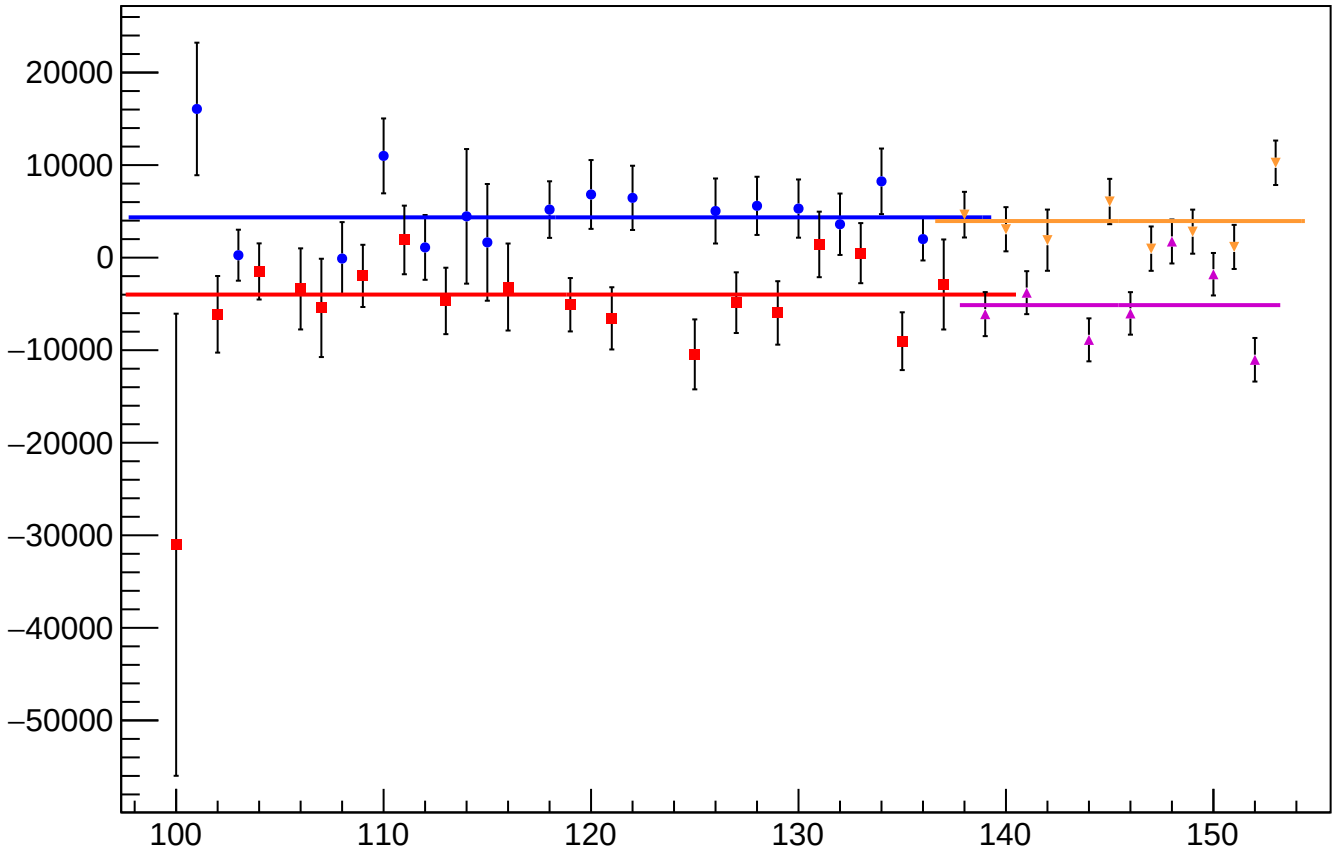
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1830.172+/-0.542 χ^2/NDF:752206.9/6

+ sign 1764.328+/-0.351 χ^2/NDF: 1321841.2/23

All: 1775.762+/-0.251 χ^2/NDF: 2838143.2/48

- sign 1787.720+/-0.359 χ^2/NDF: 1514134.7/24



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3952.624+/-877.694 χ^2/NDF:11.4/7

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

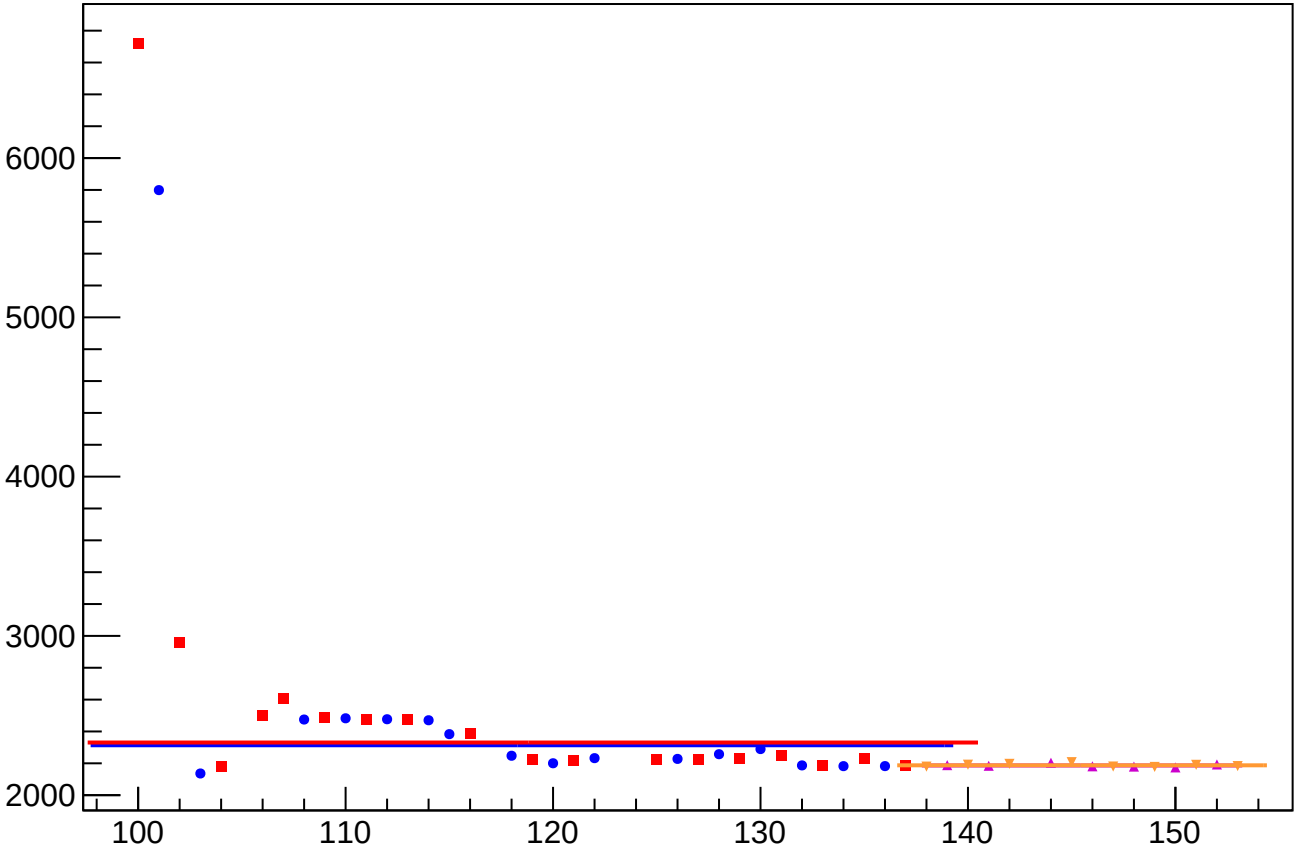
Left In: -5130.028+/-882.431 χ^2/NDF:20.0/6

+ sign 4153.728+/-619.724 χ^2/NDF: 24.8/23

All: -197.216+/-438.328 χ^2/NDF: 160.5/48

- sign -4552.822+/-620.056 χ^2/NDF: 37.0/24

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.469+/-0.621 χ^2/NDF:241.5/7

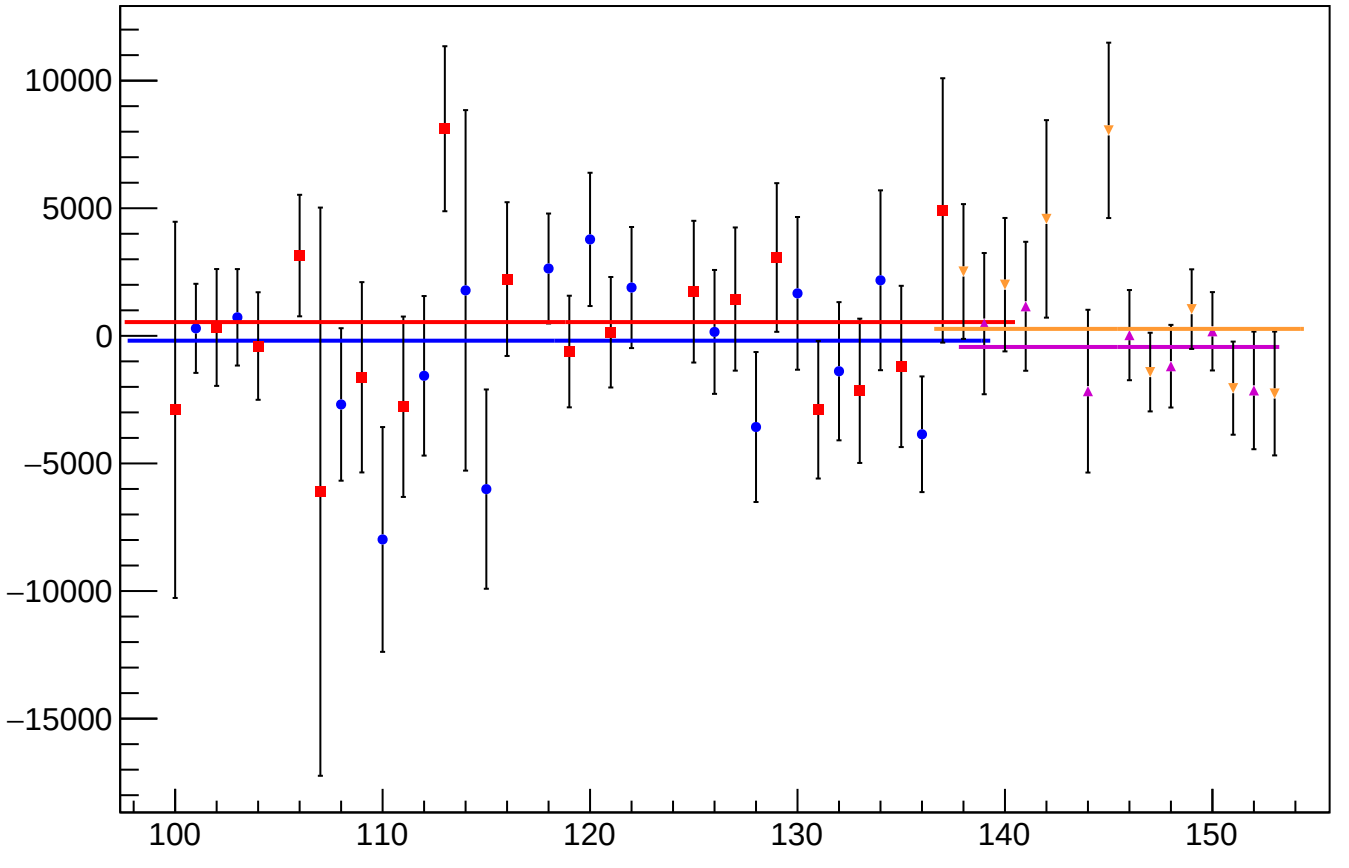
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.400+/-0.624 χ^2/NDF:210.9/6

+ sign 2250.623+/-0.438 χ^2/NDF: 533264.1/23

All: 2255.003+/-0.310 χ^2/NDF: 712257.9/48

- sign 2259.387+/-0.438 χ^2/NDF: 178794.0/24



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 272.822+/-757.423 χ^2/NDF:11.7/7

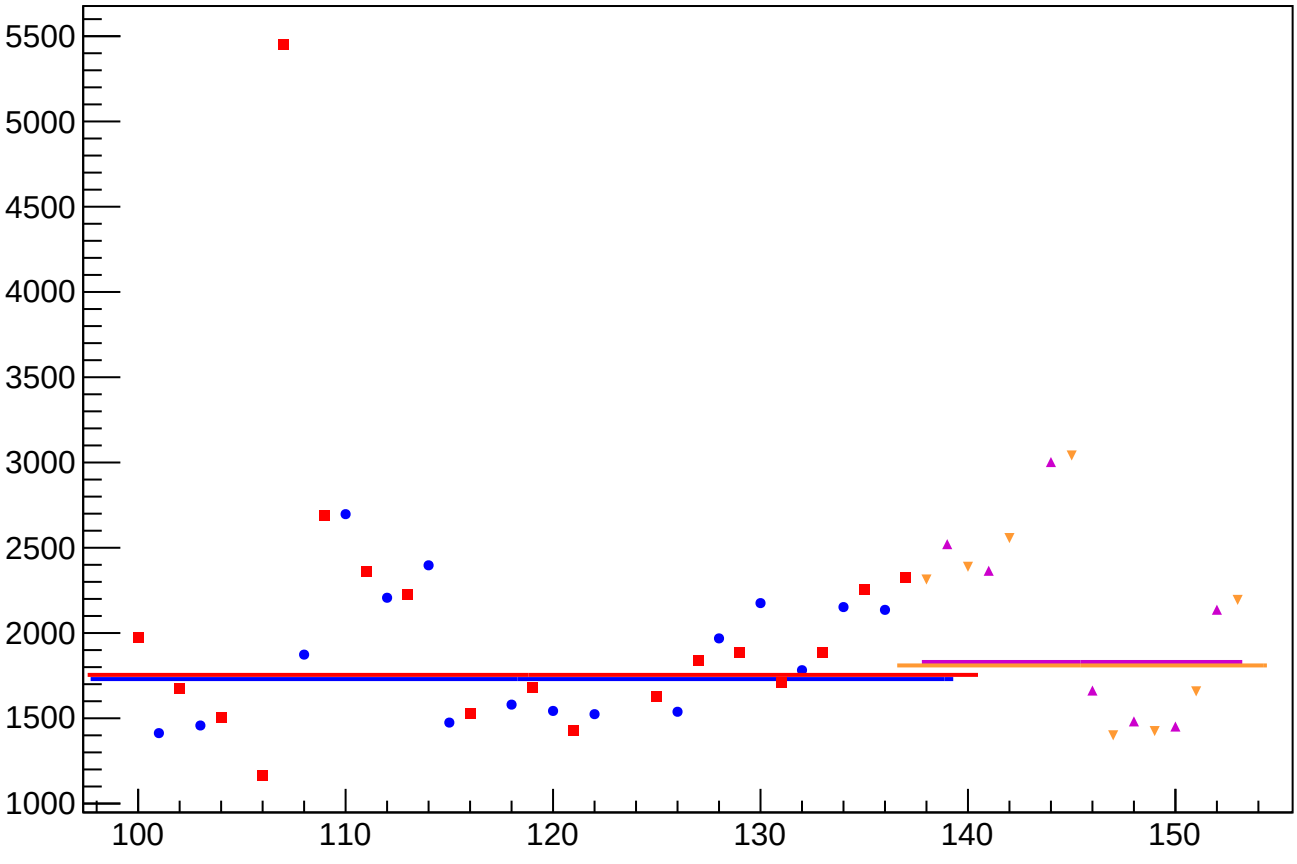
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -435.623+/-766.990 χ^2/NDF:1.8/6

+ sign 9.267+/-496.823 χ^2/NDF: 28.3/23

All: 59.299+/-355.217 χ^2/NDF: 45.0/48

- sign 111.622+/-508.071 χ^2/NDF: 16.6/24



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1809.919+/-0.536 χ^2/NDF:829224.4/7

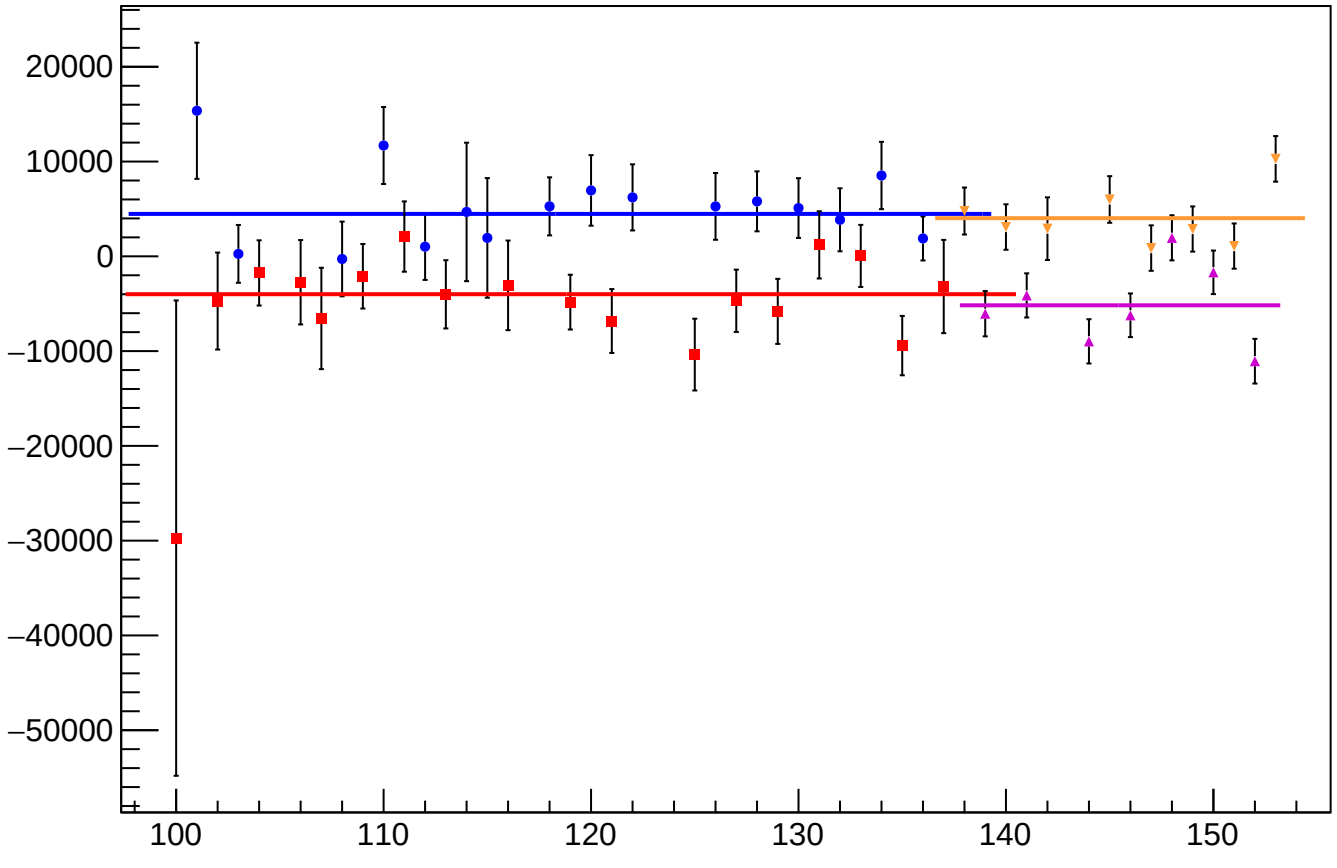
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1830.172+/-0.542 χ^2/NDF:752206.9/6

+ sign 1764.328+/-0.351 χ^2/NDF: 1321841.2/23

All: 1775.762+/-0.251 χ^2/NDF: 2838143.2/48

- sign 1787.720+/-0.359 χ^2/NDF: 1514134.7/24



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4025.577+/-879.959 χ^2/NDF:11.3/7

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

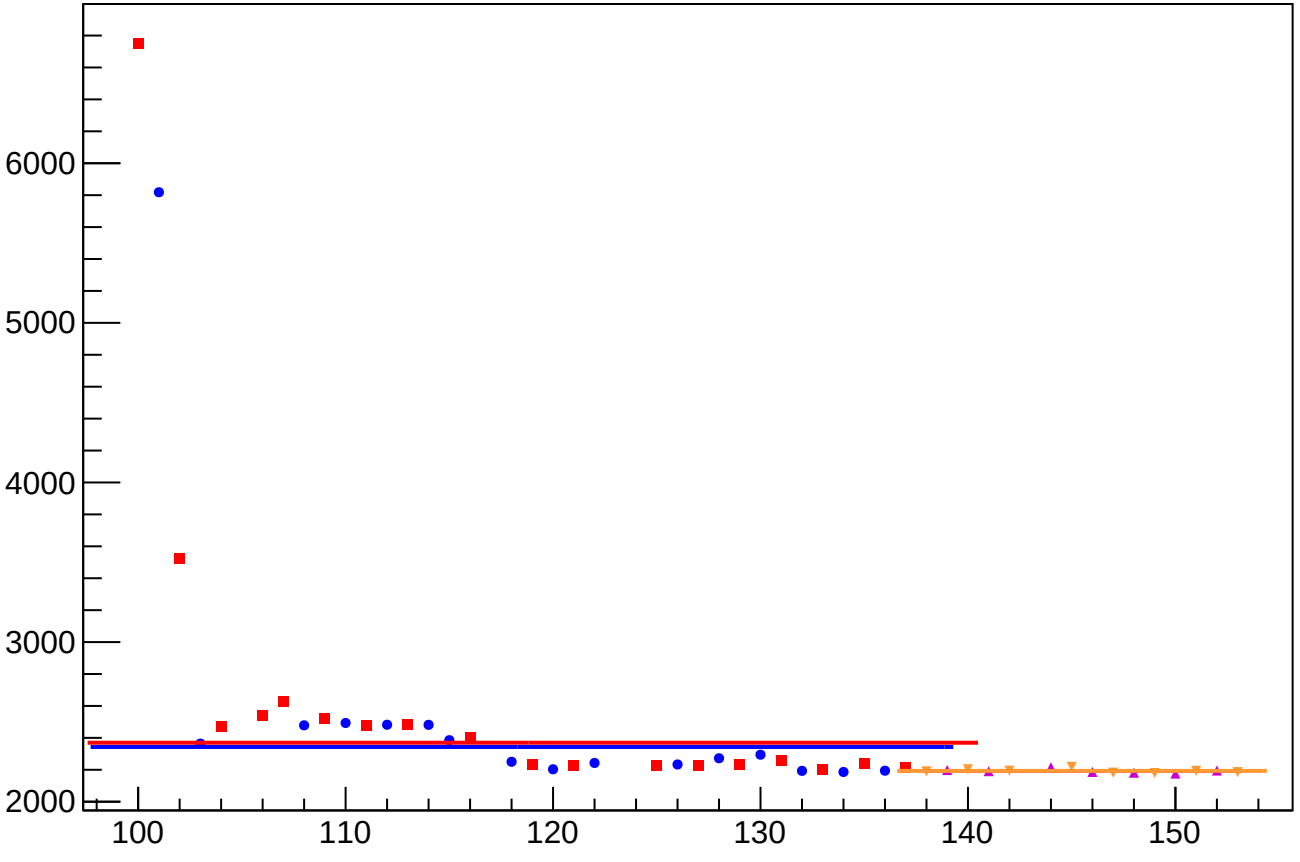
Left In: -5168.124+/-884.867 χ^2/NDF:20.7/6

+ sign 4249.439+/-624.380 χ^2/NDF: 24.9/23

All: -144.980+/-442.657 χ^2/NDF: 161.6/48

- sign -4585.646+/-627.657 χ^2/NDF: 37.1/24

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.963+/-0.622 χ^2/NDF:378.0/7

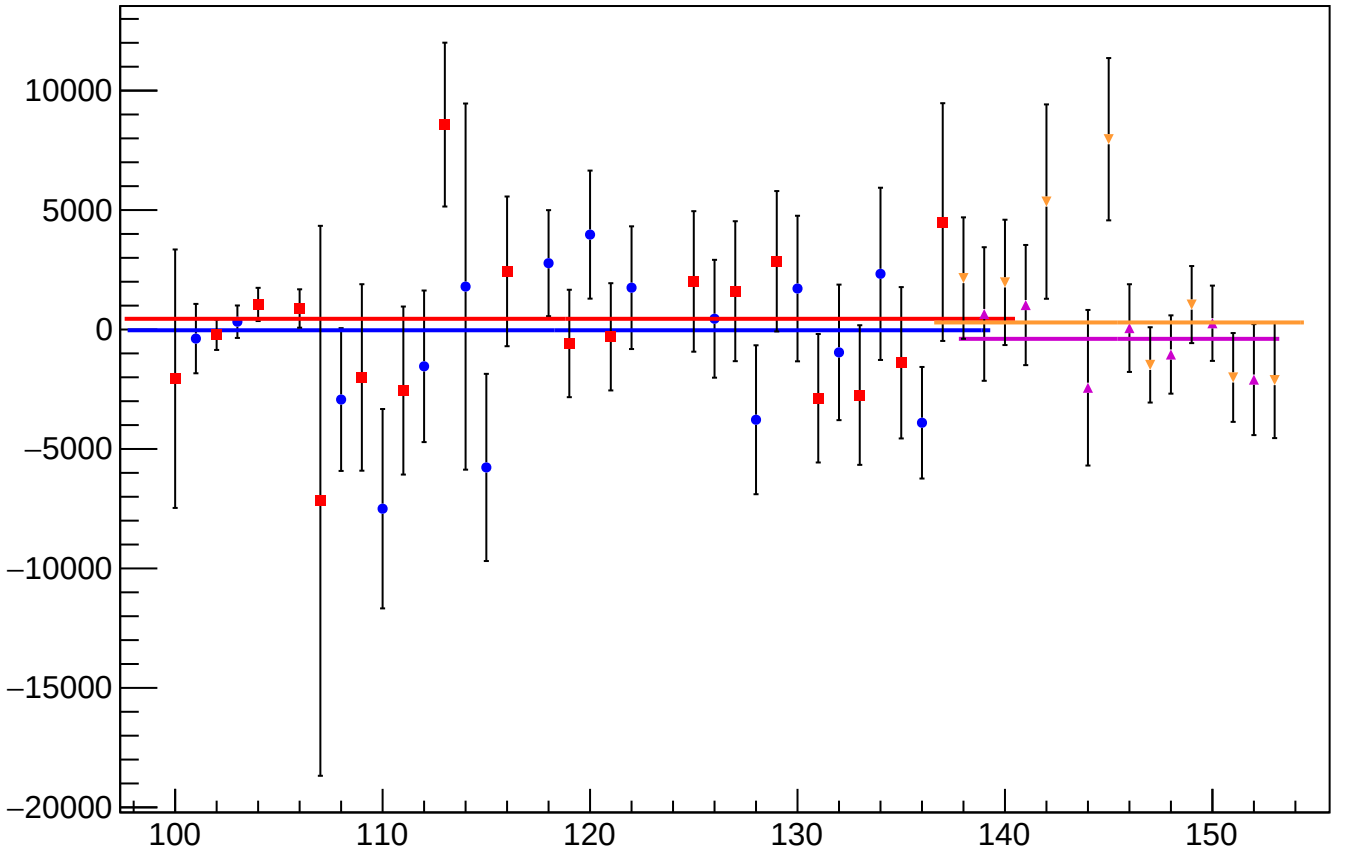
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.312+/-0.626 χ^2/NDF:373.7/6

+ sign 2267.418+/-0.442 χ^2/NDF: 532081.4/23

All: 2273.868+/-0.313 χ^2/NDF: 782909.6/48

- sign 2280.386+/-0.444 χ^2/NDF: 250399.1/24



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 295.216+/-768.546 χ^2/NDF:11.6/7

Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

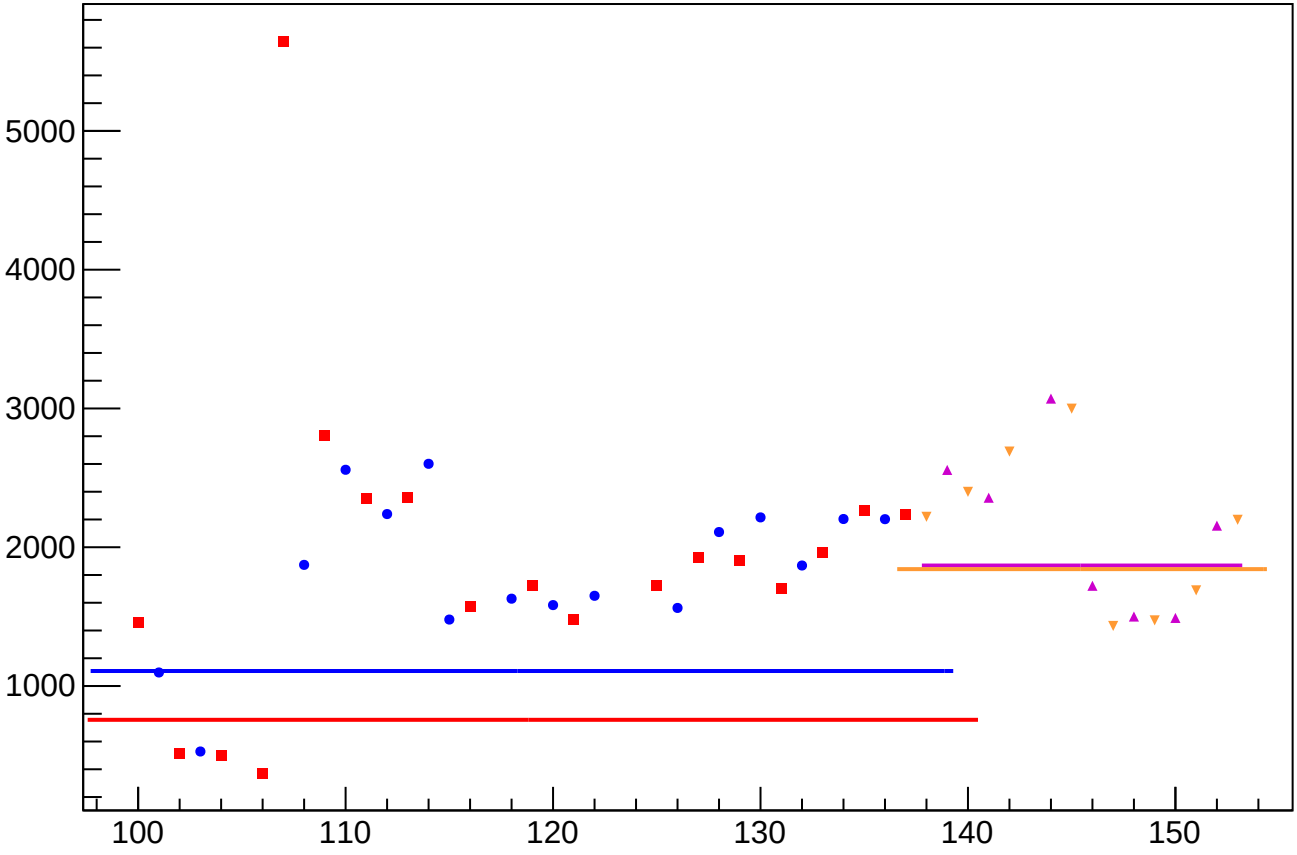
Left In: -390.502+/-781.390 χ^2/NDF:1.8/6

\+ sign 61.720+/-410.357 χ^2/NDF: 28.0/23

All: 206.601+/-256.635 χ^2/NDF: 46.1/48

\- sign 299.666+/-328.890 χ^2/NDF: 17.8/24

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1842.298+/-0.543 χ^2/NDF:748829.0/7

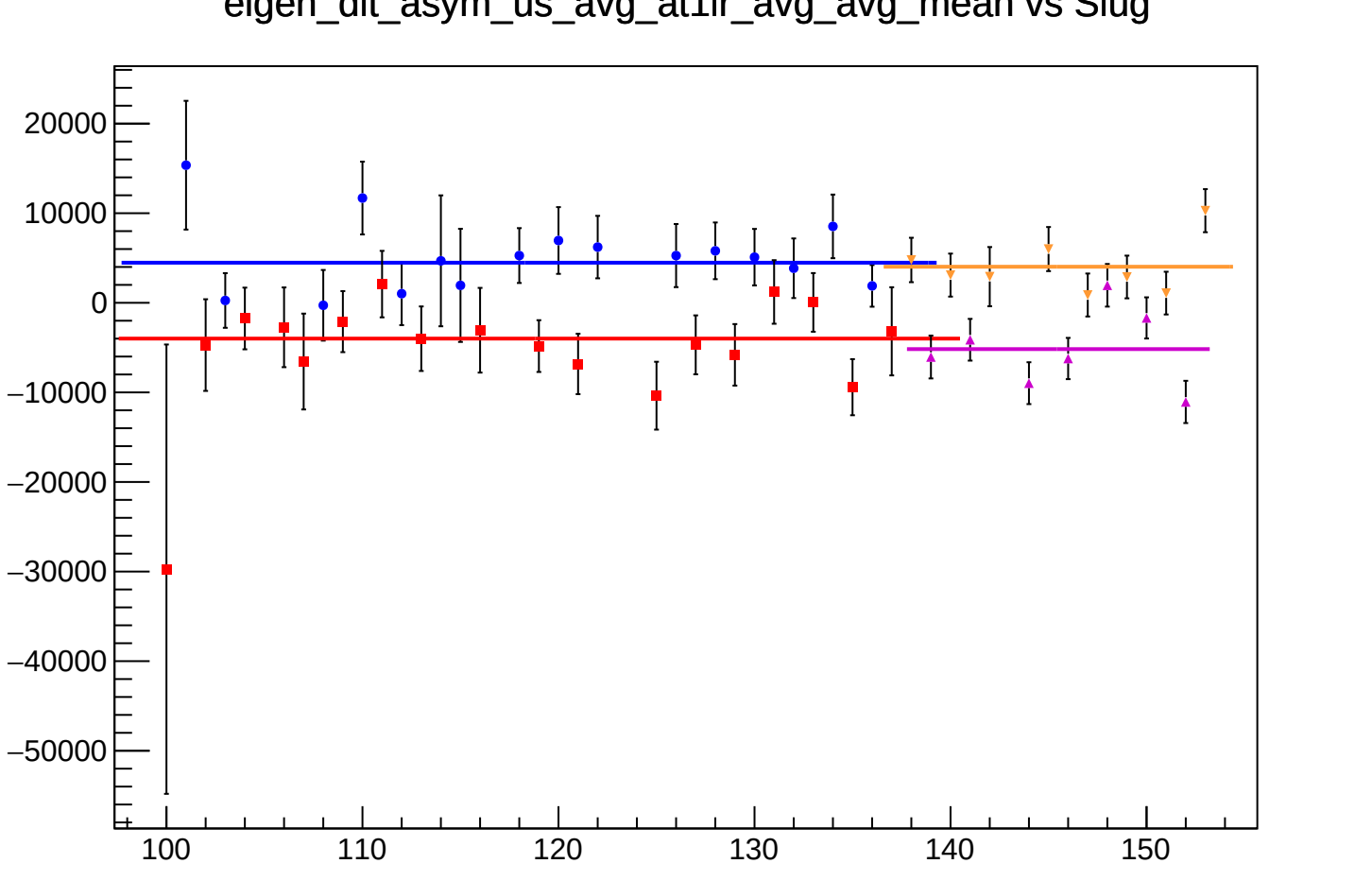
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1868.154+/-0.553 χ^2/NDF:728613.8/6

+ sign 1317.441+/-0.290 χ^2/NDF: 5800036.7/23

All: 1095.767+/-0.181 χ^2/NDF: 16421684.5/4

- sign 953.373+/-0.233 χ^2/NDF: 9663121.7/24



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4025.578+/-879.959 χ^2/NDF:11.3/7

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

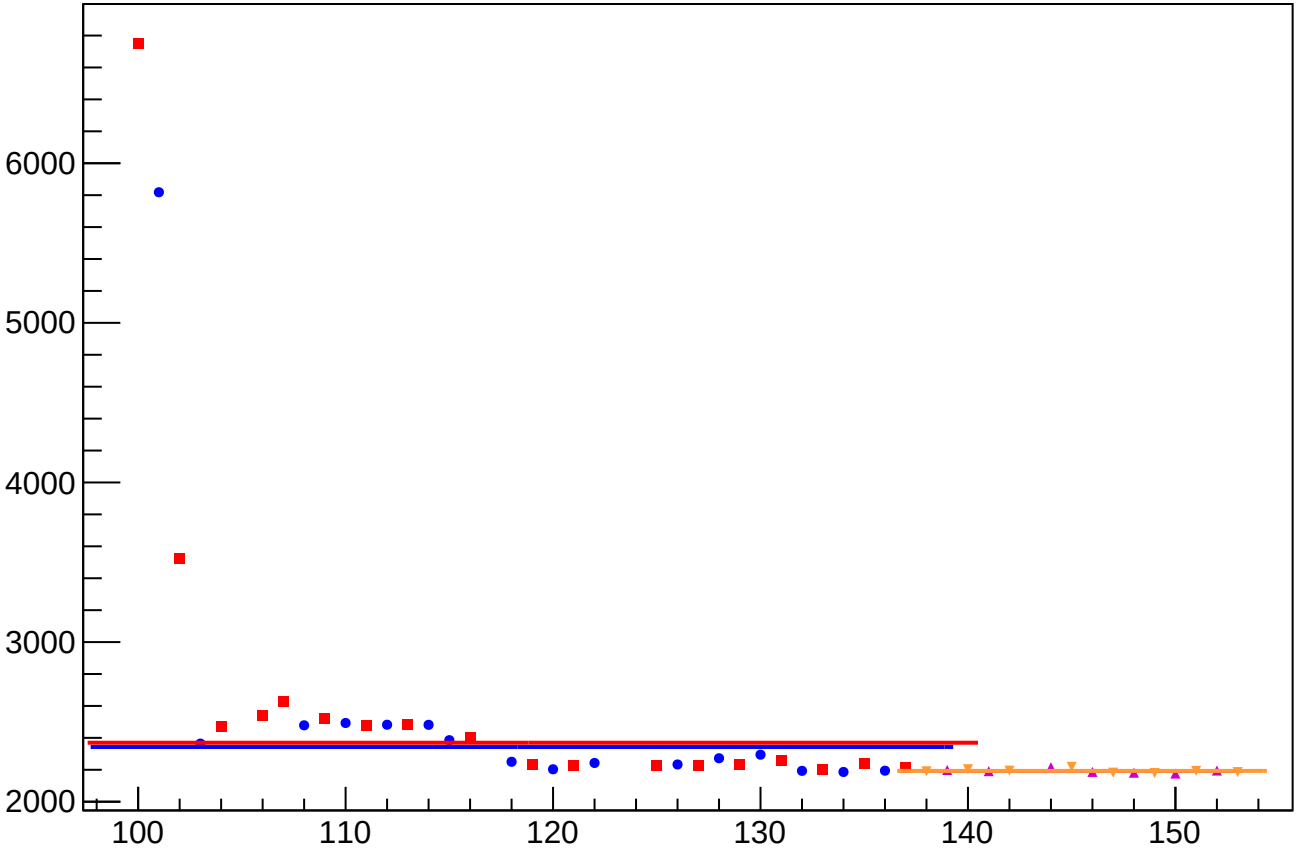
Left In: -5168.126+/-884.867 χ^2/NDF:20.7/6

+ sign 4249.438+/-624.380 χ^2/NDF: 24.9/23

All: -144.980+/-442.657 χ^2/NDF: 161.6/48

- sign -4585.645+/-627.657 χ^2/NDF: 37.1/24

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.963+/-0.622 χ^2/NDF:378.0/7

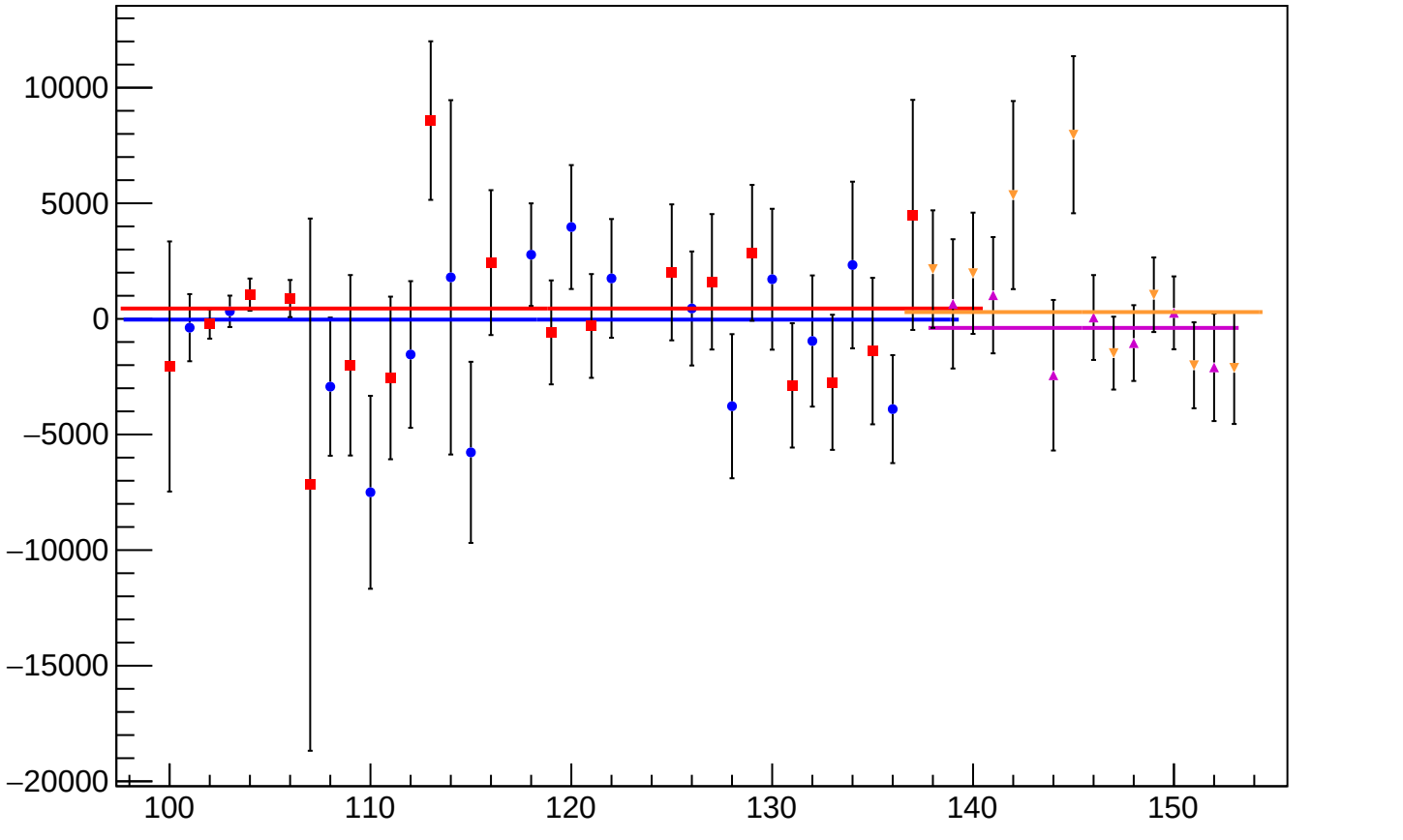
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.312+/-0.626 χ^2/NDF:373.7/6

+ sign 2267.418+/-0.442 χ^2/NDF: 532081.3/23

All: 2273.868+/-0.313 χ^2/NDF: 782908.1/48

- sign 2280.386+/-0.444 χ^2/NDF: 250397.8/24



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 295.212+/-768.547 χ^2/NDF:11.6/7

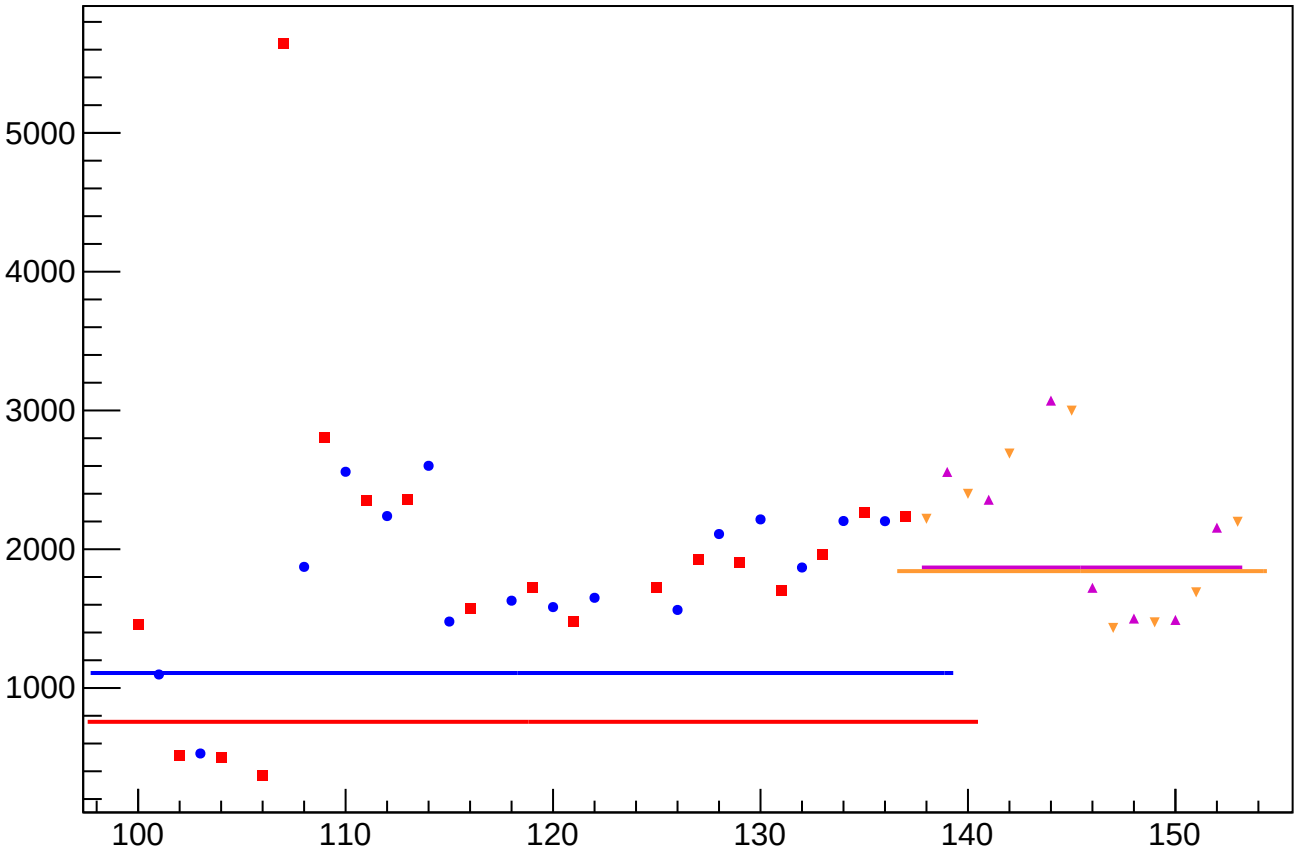
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -390.504+/-781.392 χ^2/NDF:1.8/6

+ sign 61.715+/-410.358 χ^2/NDF: 28.0/23

All: 206.598+/-256.637 χ^2/NDF: 46.1/48

- sign 299.666+/-328.893 χ^2/NDF: 17.8/24



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1842.301+/-0.543 χ^2/NDF:748829.0/7

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

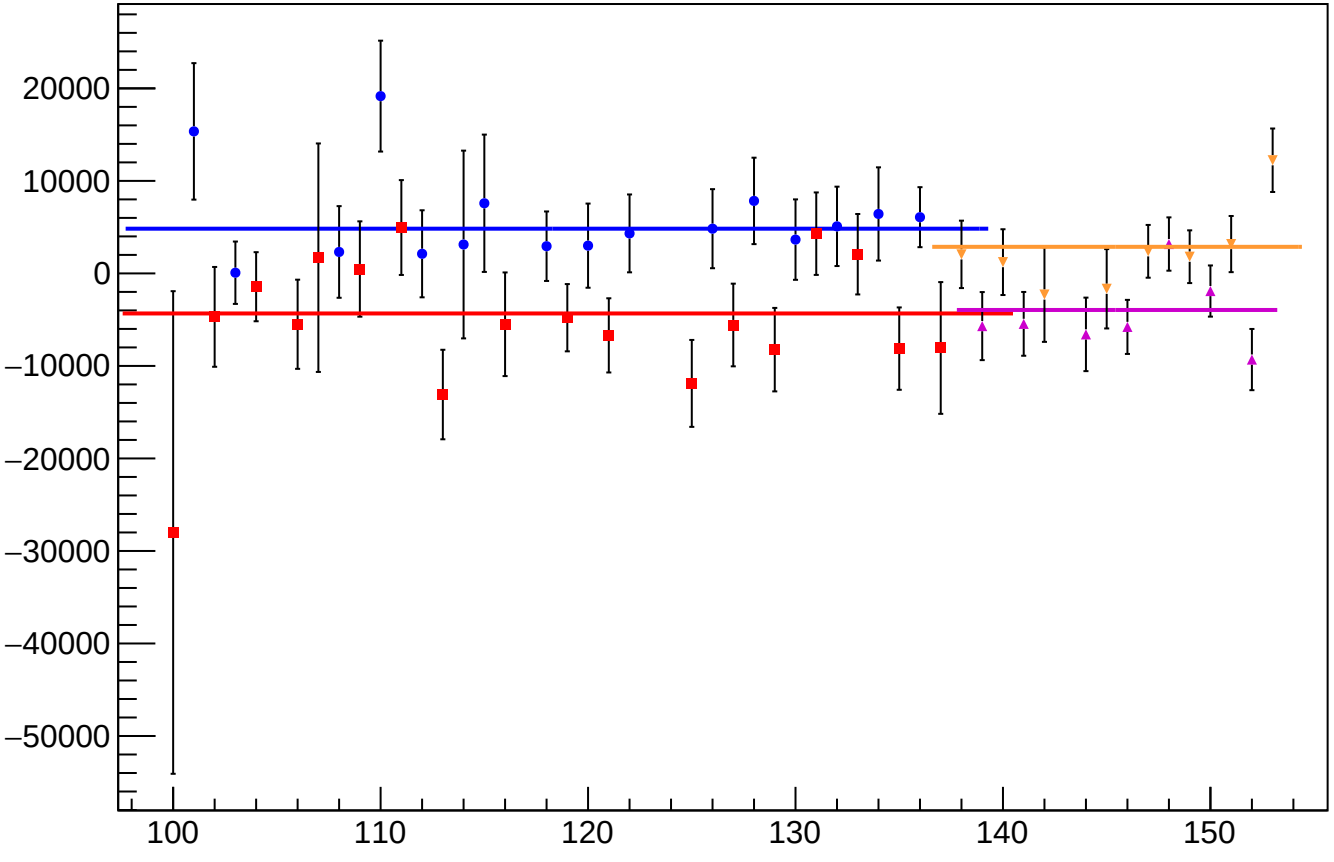
Left In: 1868.158+/-0.553 χ^2/NDF:728613.2/6

+ sign 1317.450+/-0.290 χ^2/NDF: 5799930.9/23

All: 1095.782+/-0.181 χ^2/NDF: 16421310.6/4

- sign 953.390+/-0.233 χ^2/NDF: 9662907.3/24

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 2873.683+/-1206.808 χ^2/NDF:10.0/7

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

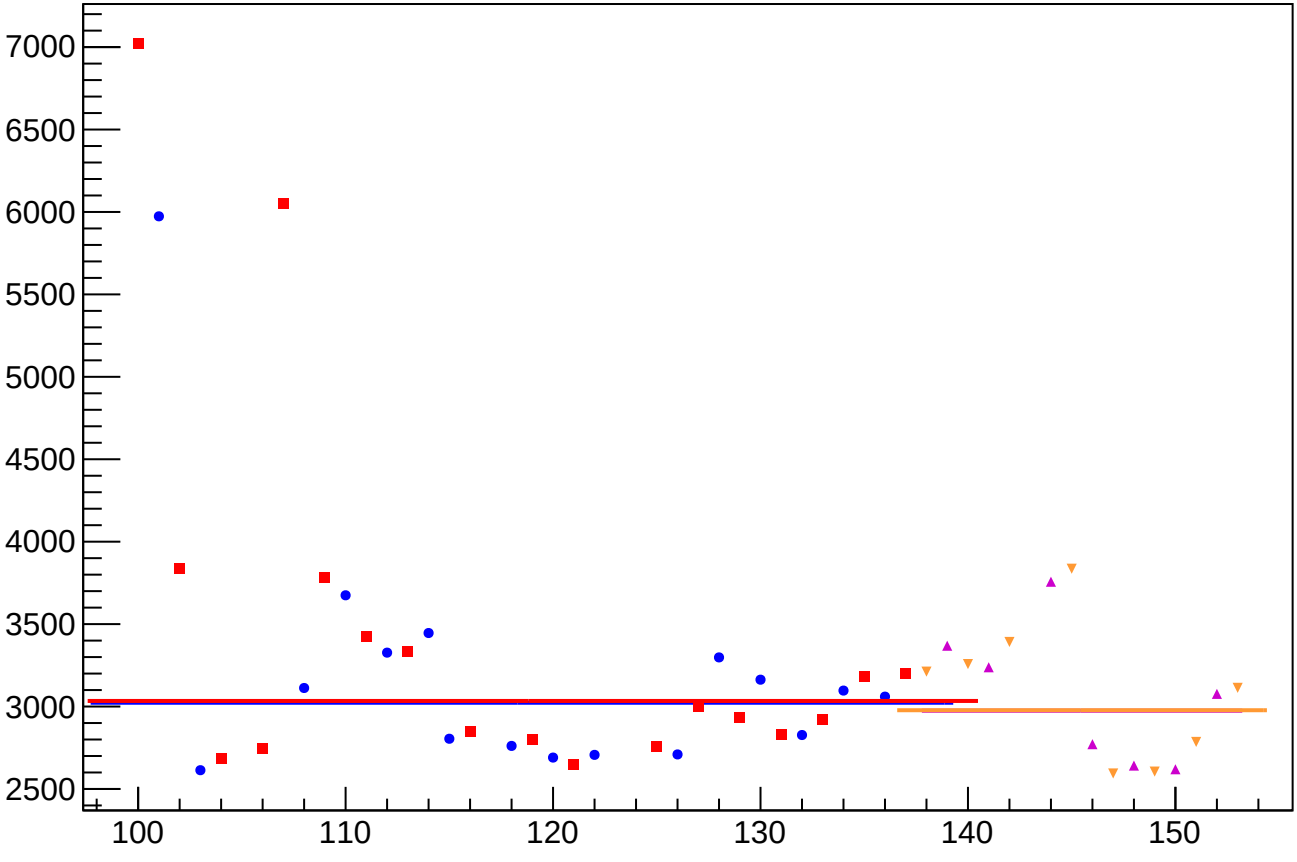
Left In: -3952.168+/-1211.703 χ^2/NDF:10.5/6

+ sign 3907.330+/-829.686 χ^2/NDF: 23.1/23

All: -110.455+/-587.508 χ^2/NDF: 100.6/48

- sign -4151.105+/-832.044 χ^2/NDF: 30.5/24

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 2977.603+/-0.853 χ^2/NDF:195371.5/7

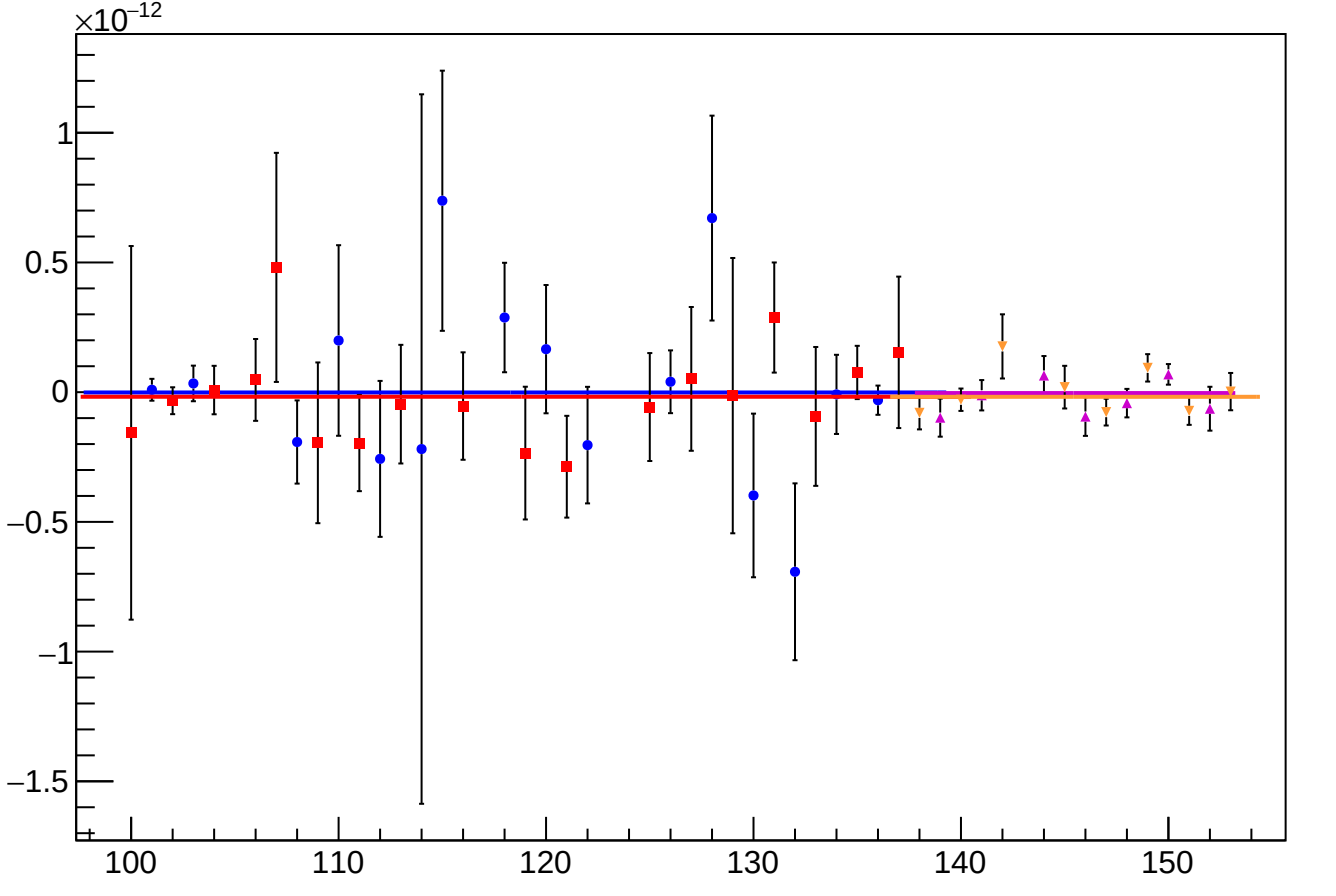
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 2974.635+/-0.857 χ^2/NDF:183490.9/6

+ sign 3001.579+/-0.587 χ^2/NDF: 640574.3/23

All: 3003.753+/-0.415 χ^2/NDF: 1169293.2/48

- sign 3005.939+/-0.588 χ^2/NDF: 528691.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/7

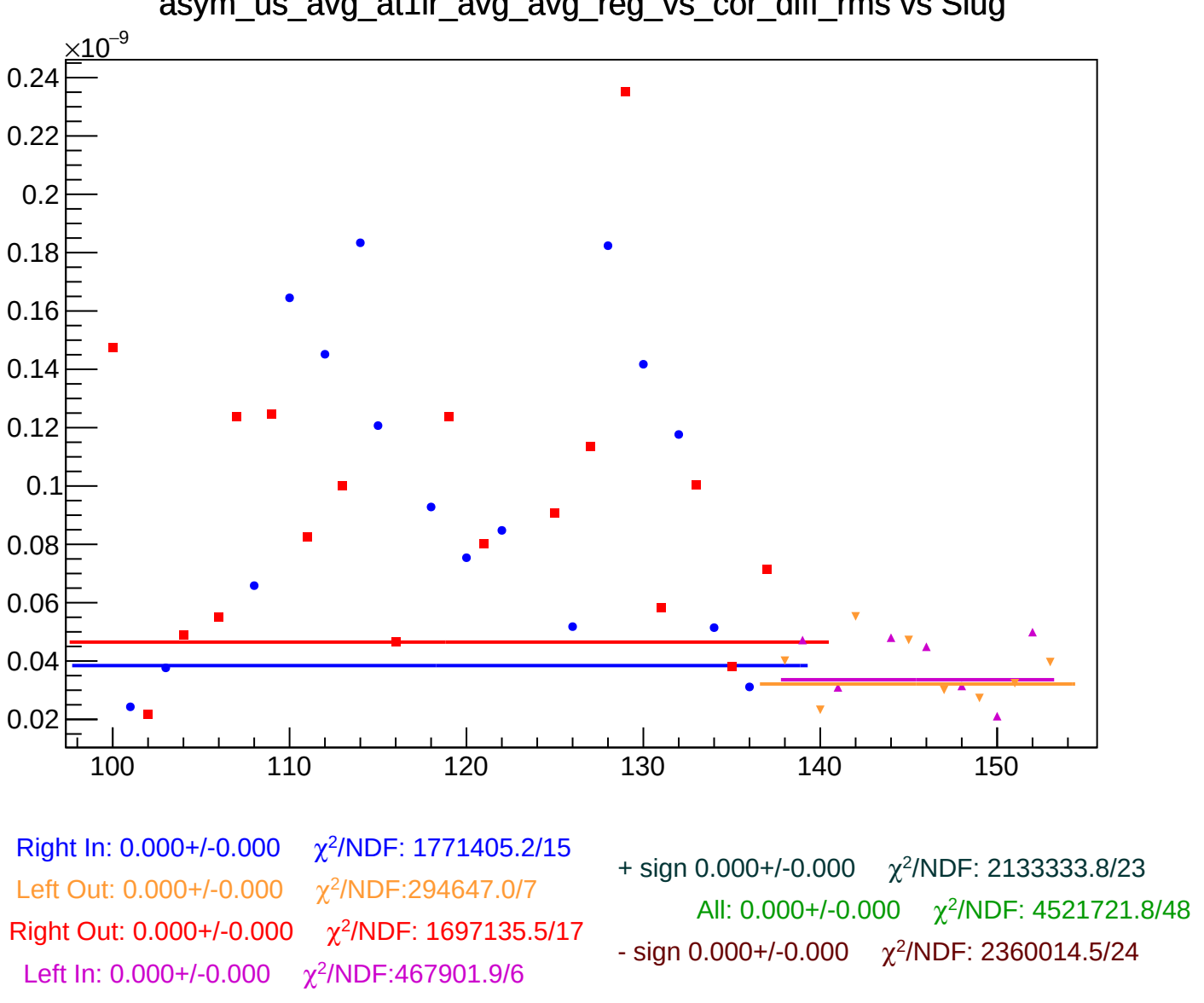
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

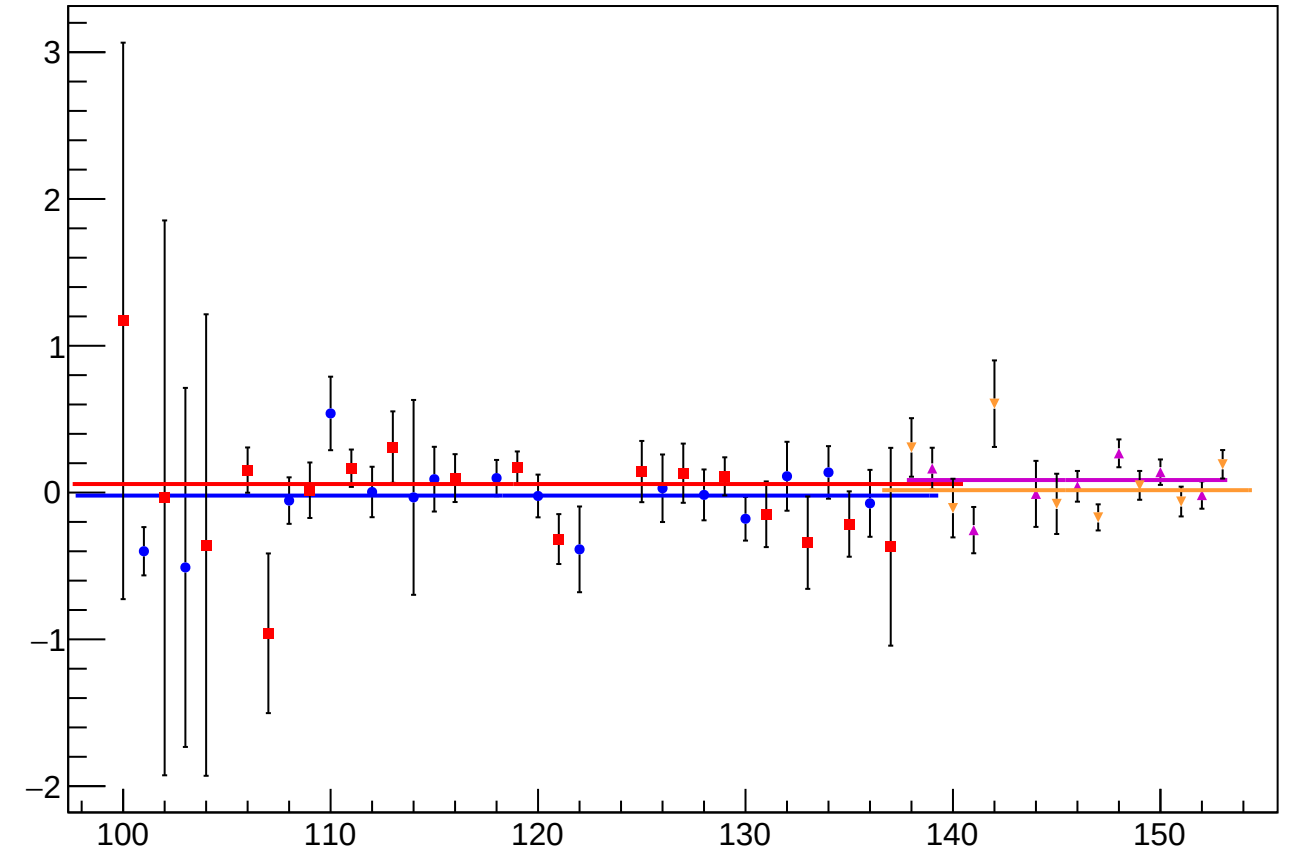
Left In: -0.000+/-0.000 χ^2/NDF:8.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/23

All: -0.000+/-0.000 χ^2/NDF: 45.3/48

- sign -0.000+/-0.000 χ^2/NDF: 17.4/24


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:294647.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:467901.9/6
+ sign 0.000+/-0.000 χ²/NDF: 2133333.8/23
All: 0.000+/-0.000 χ²/NDF: 4521721.8/48
- sign 0.000+/-0.000 χ²/NDF: 2360014.5/24



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.016+/-0.044 χ^2/NDF:15.0/7

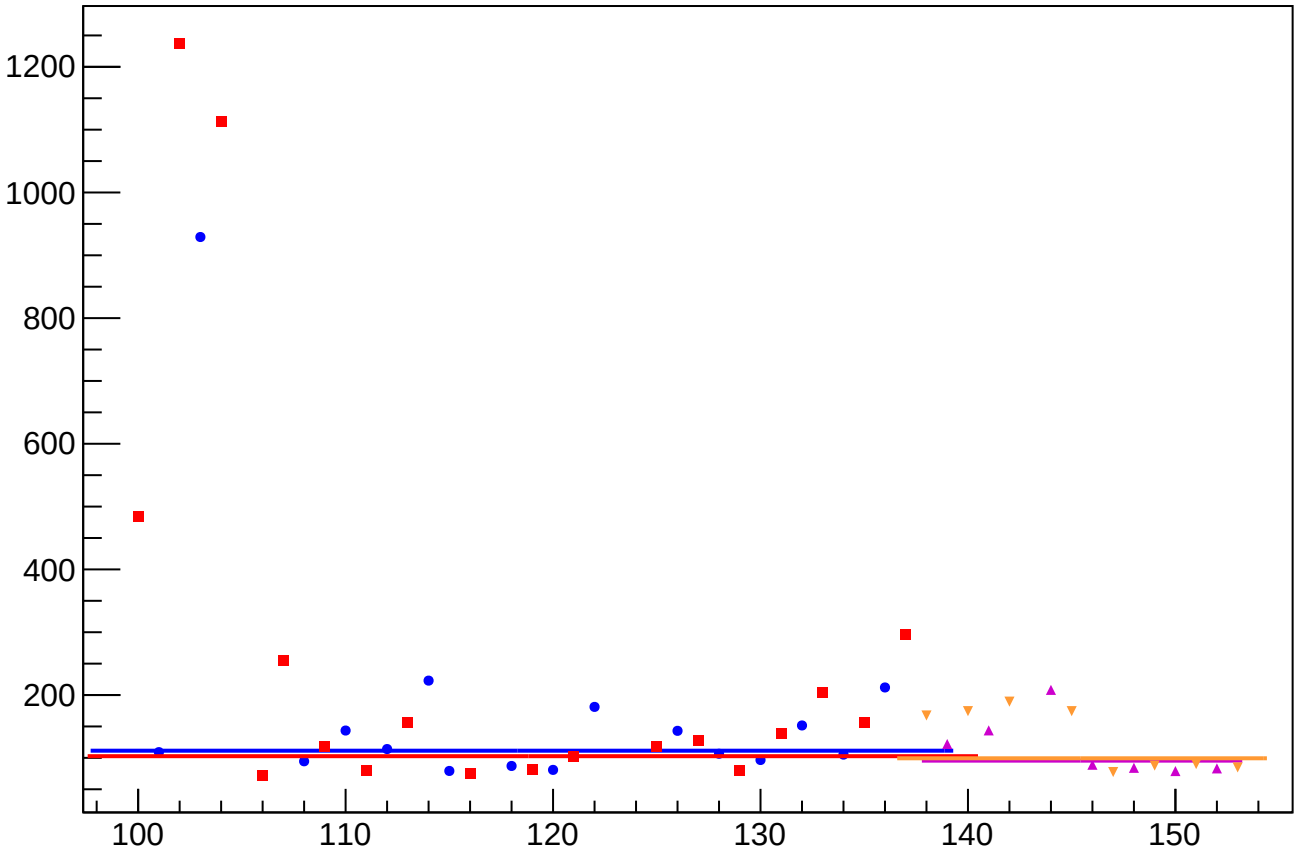
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.085+/-0.042 χ^2/NDF:10.6/6

+ sign -0.001+/-0.032 χ^2/NDF: 31.0/23

All: 0.037+/-0.022 χ^2/NDF: 61.3/48

- sign 0.073+/-0.031 χ^2/NDF: 27.6/24



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 99.325+/-0.031 χ^2/NDF:1180781.4/7

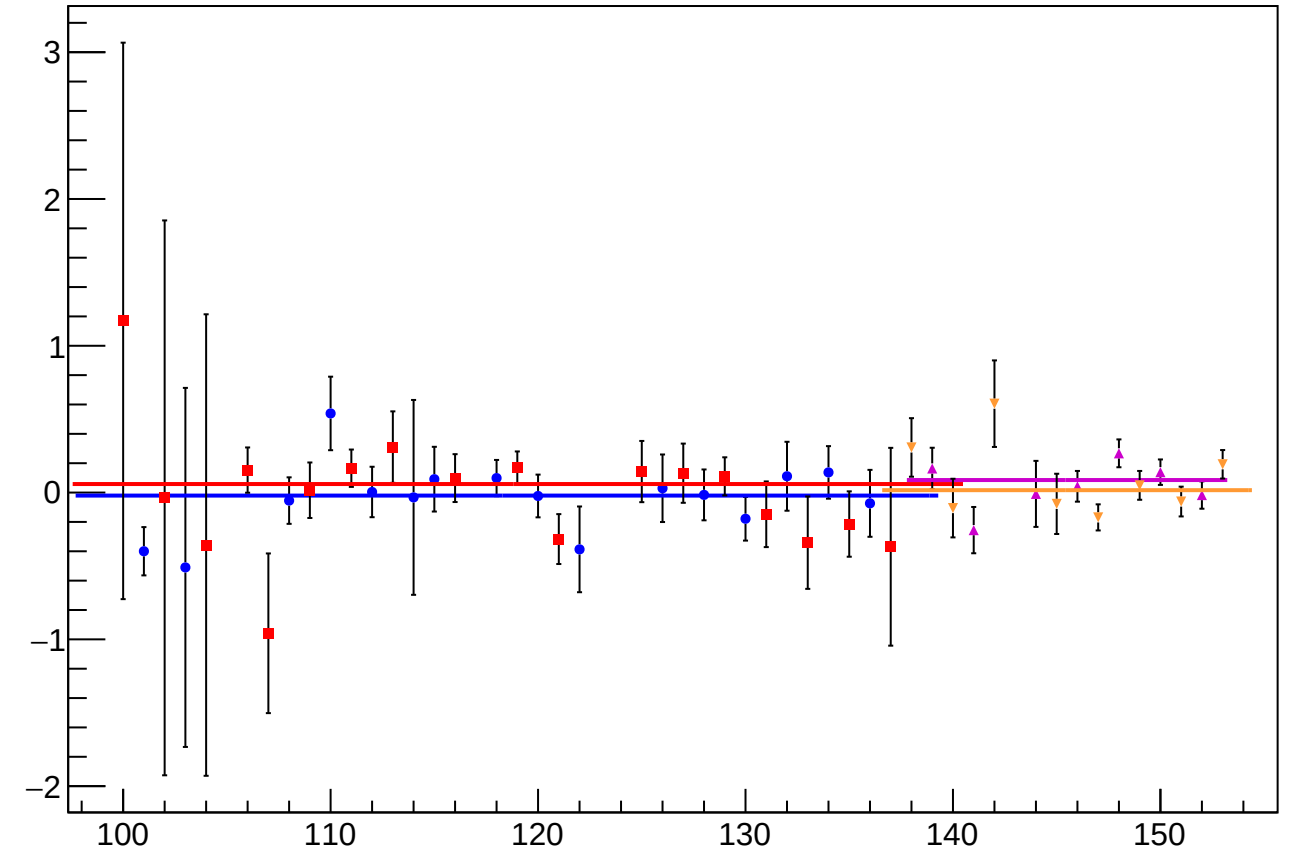
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 95.595+/-0.030 χ^2/NDF:903575.4/6

+ sign 104.874+/-0.023 χ^2/NDF: 3089727.0/23

All: 101.737+/-0.016 χ^2/NDF: 6882193.7/48

- sign 98.800+/-0.022 χ^2/NDF: 3755888.4/24



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.016+/-0.044 χ^2/NDF:15.0/7

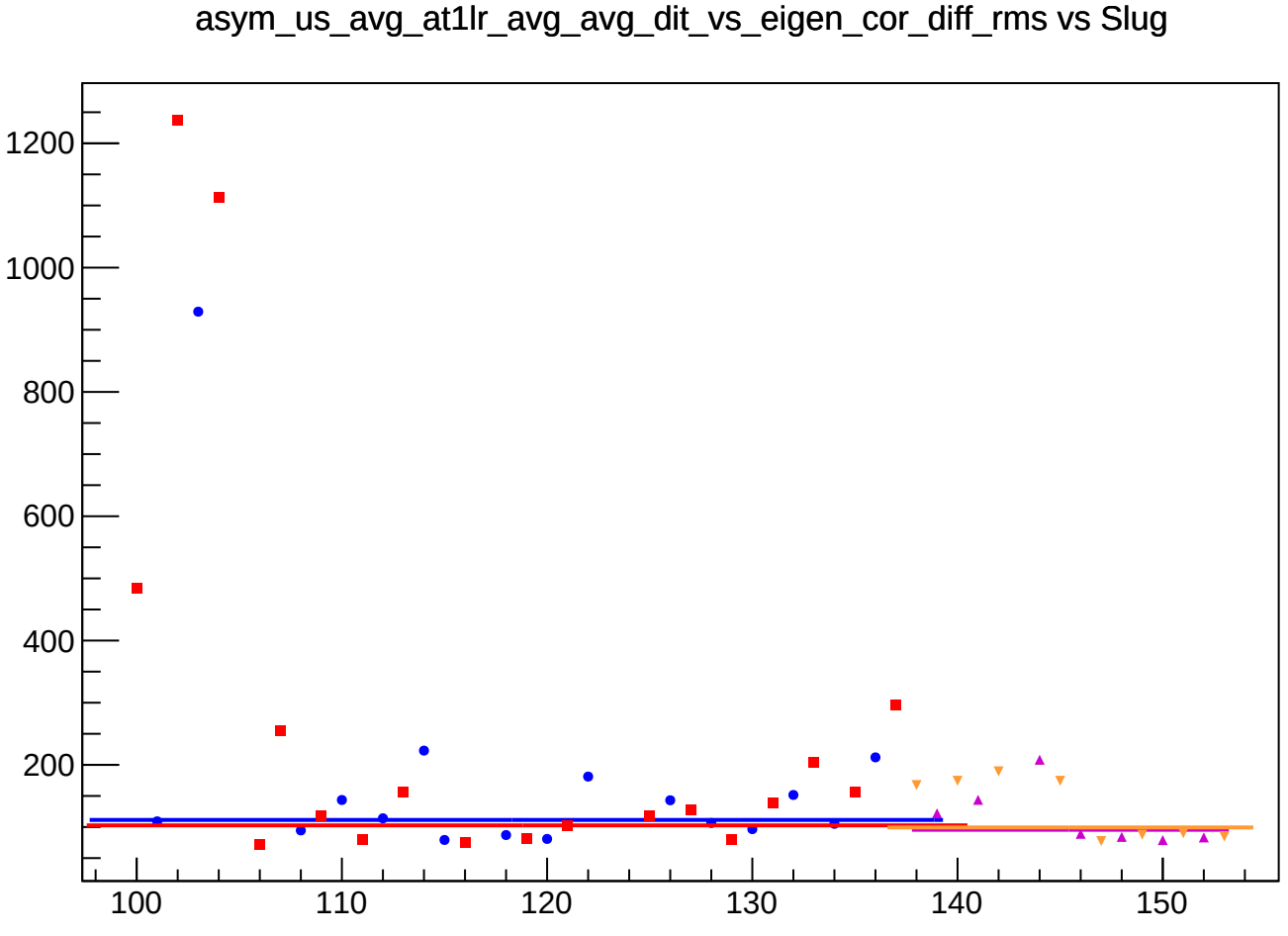
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.085+/-0.042 χ^2/NDF:10.6/6

+ sign -0.001+/-0.032 χ^2/NDF: 31.0/23

All: 0.037+/-0.022 χ^2/NDF: 61.3/48

- sign 0.073+/-0.031 χ^2/NDF: 27.6/24



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 99.325+/-0.031 χ^2/NDF:1180781.4/7

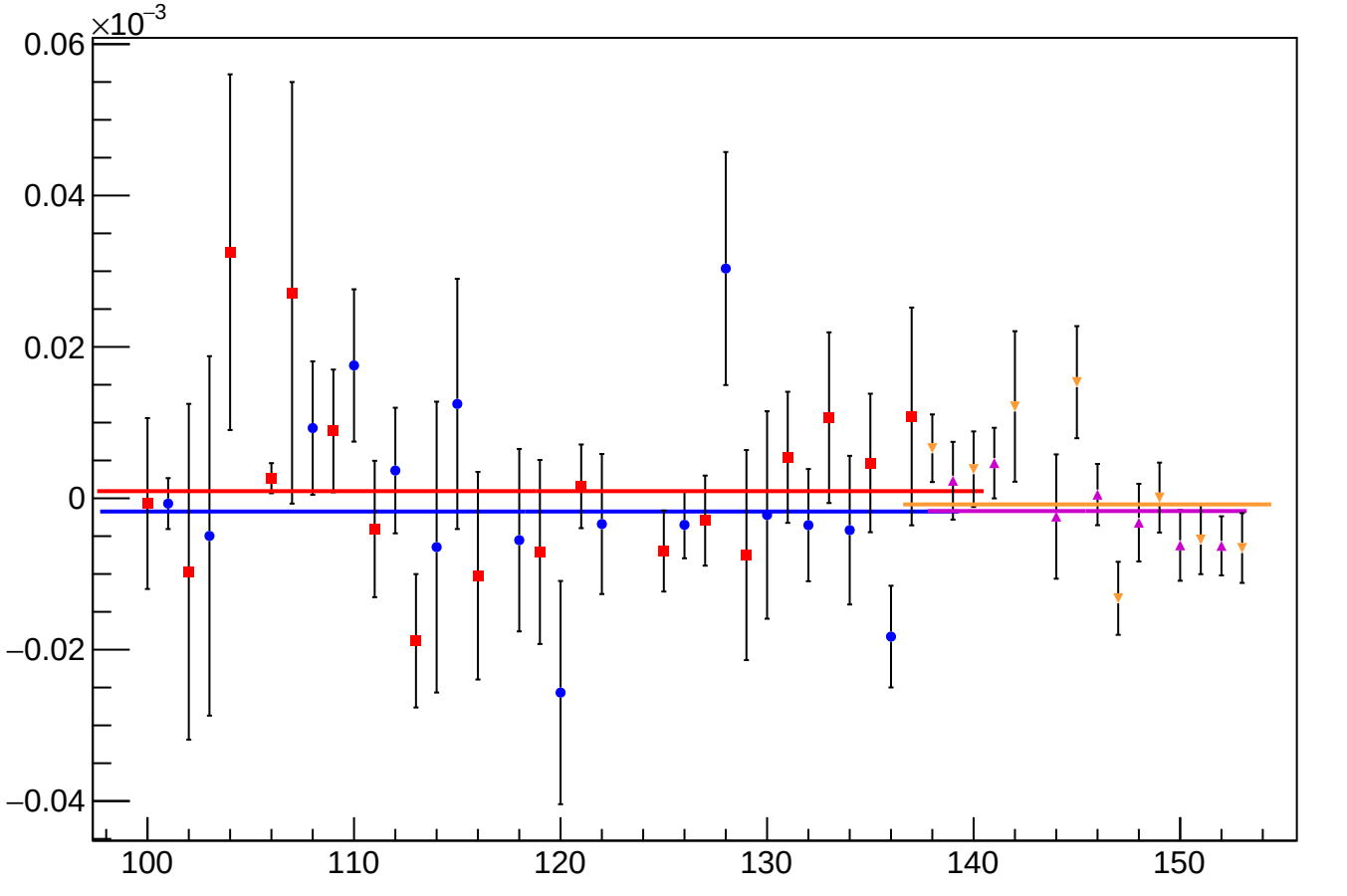
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 95.595+/-0.030 χ^2/NDF:903575.4/6

+ sign 104.874+/-0.023 χ^2/NDF: 3089727.0/23

All: 101.737+/-0.016 χ^2/NDF: 6882193.7/48

- sign 98.800+/-0.022 χ^2/NDF: 3755888.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/7

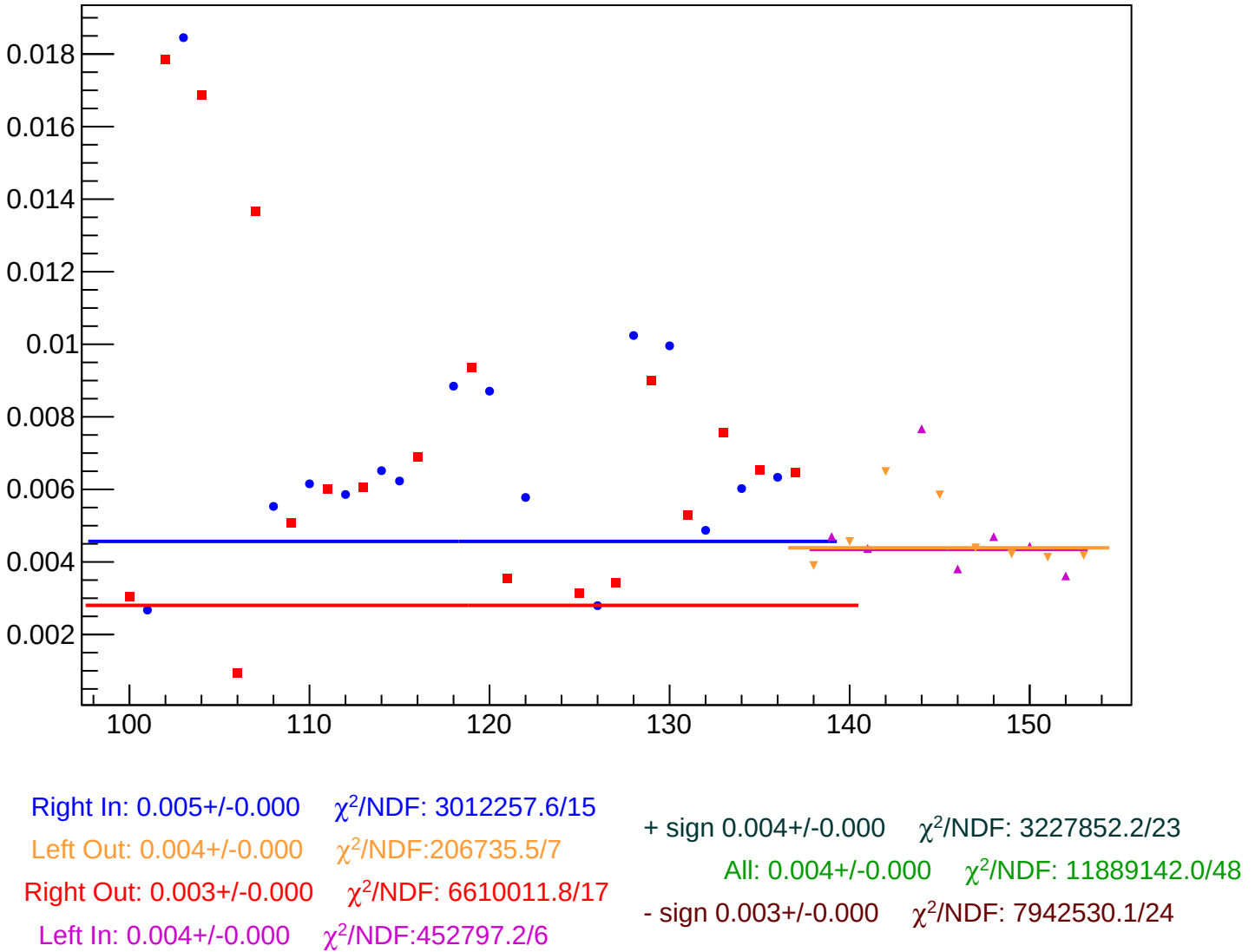
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:5.2/6

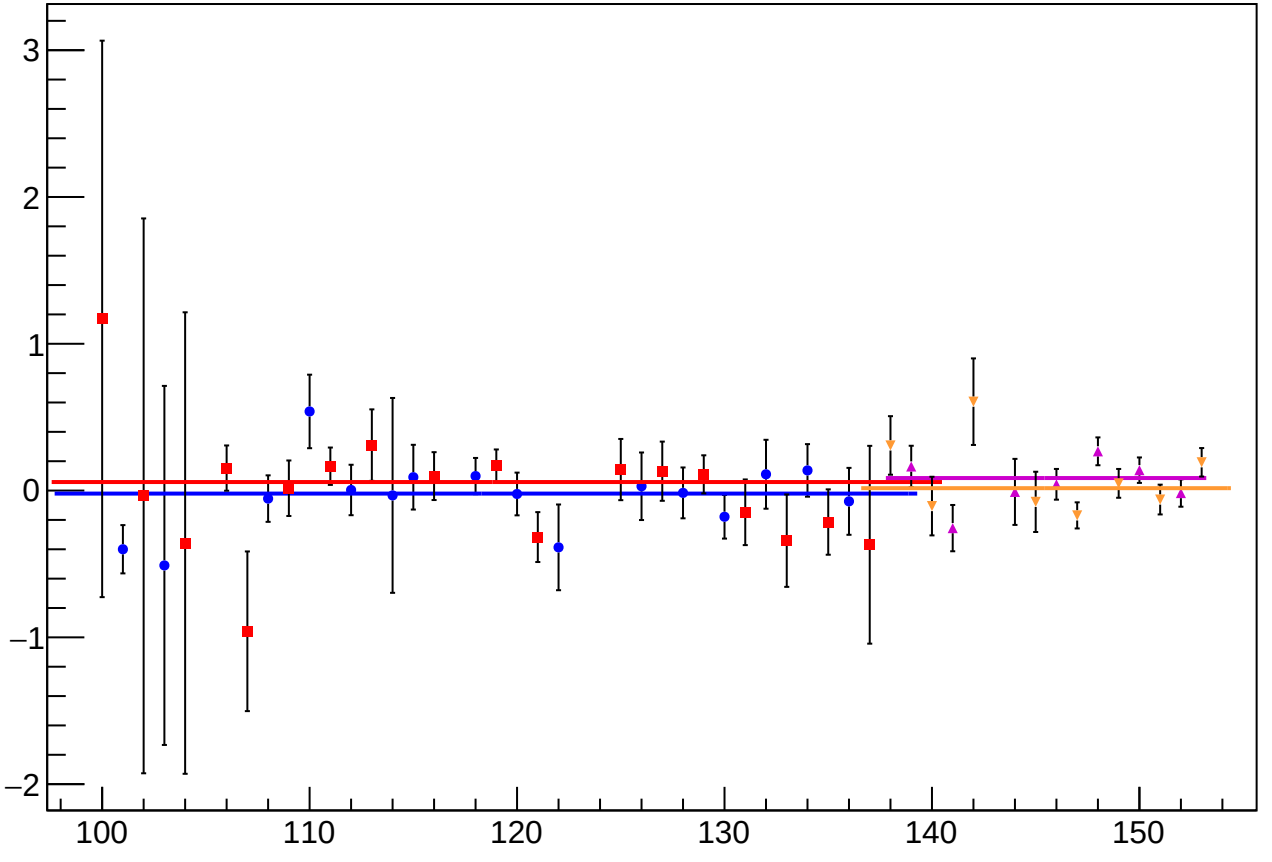
+ sign -0.000+/-0.000 χ^2/NDF: 39.5/23

All: -0.000+/-0.000 χ^2/NDF: 62.1/48

- sign -0.000+/-0.000 χ^2/NDF: 22.2/24


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:206735.5/7
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:452797.2/6
+ sign 0.004+/-0.000 χ²/NDF: 3227852.2/23
All: 0.004+/-0.000 χ²/NDF: 11889142.0/48
- sign 0.003+/-0.000 χ²/NDF: 7942530.1/24

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.016+/-0.044 χ^2/NDF:15.0/7

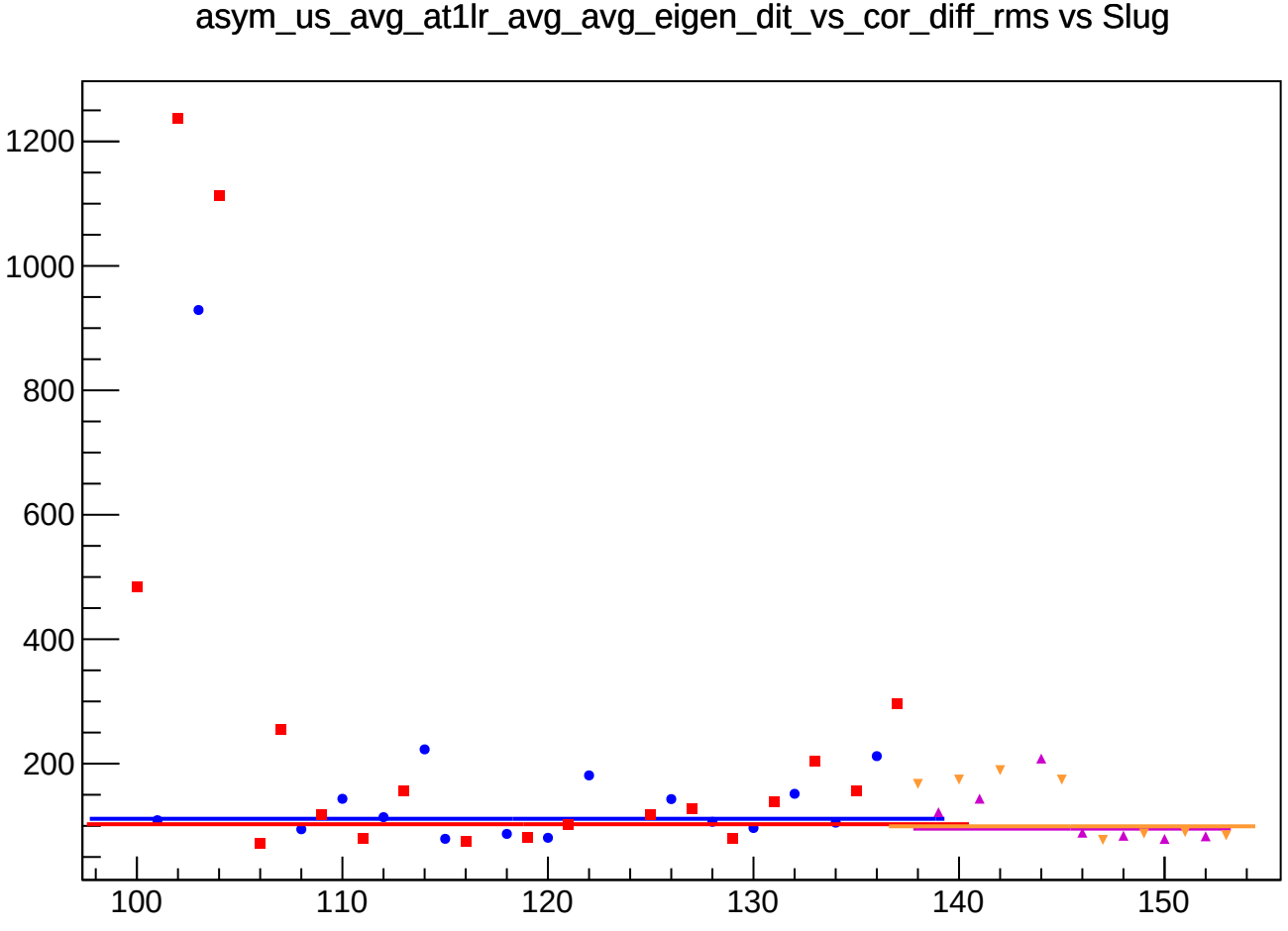
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.085+/-0.042 χ^2/NDF:10.6/6

+ sign -0.001+/-0.032 χ^2/NDF: 31.0/23

All: 0.037+/-0.022 χ^2/NDF: 61.3/48

- sign 0.073+/-0.031 χ^2/NDF: 27.6/24



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 99.326+/-0.031 χ^2/NDF:1180761.6/7

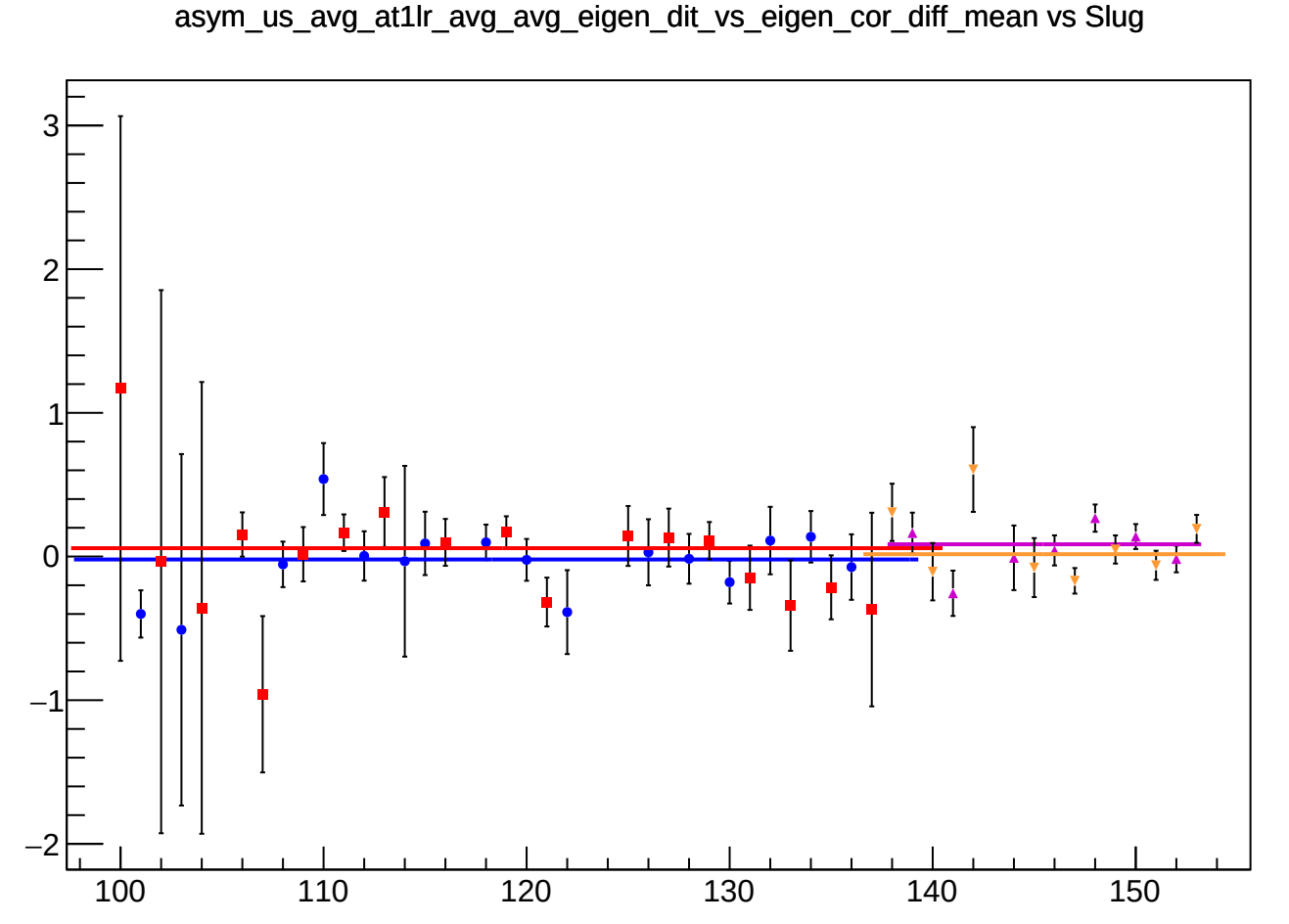
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

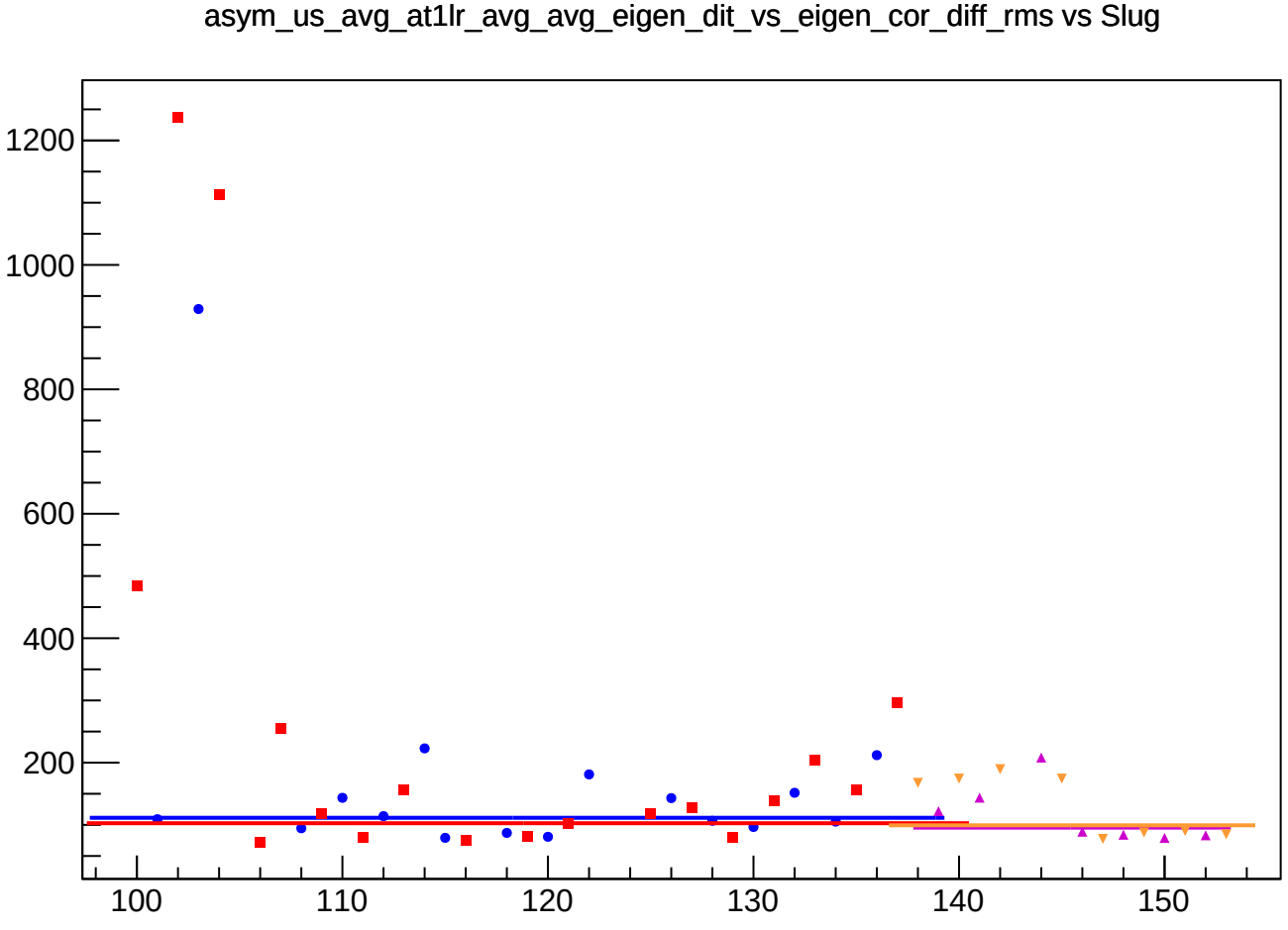
Left In: 95.595+/-0.030 χ^2/NDF:903571.1/6

+ sign 104.873+/-0.023 χ^2/NDF: 3089718.9/23

All: 101.736+/-0.016 χ^2/NDF: 6882157.9/48

- sign 98.800+/-0.022 χ^2/NDF: 3755865.8/24


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: 0.016+/-0.044 χ²/NDF:15.0/7
Right Out: 0.058+/-0.046 χ²/NDF: 16.8/17
Left In: 0.085+/-0.042 χ²/NDF:10.6/6
+ sign -0.001+/-0.032 χ²/NDF: 31.0/23
All: 0.037+/-0.022 χ²/NDF: 61.3/48
- sign 0.073+/-0.031 χ²/NDF: 27.6/24



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 99.326+/-0.031 χ^2/NDF:1180761.6/7

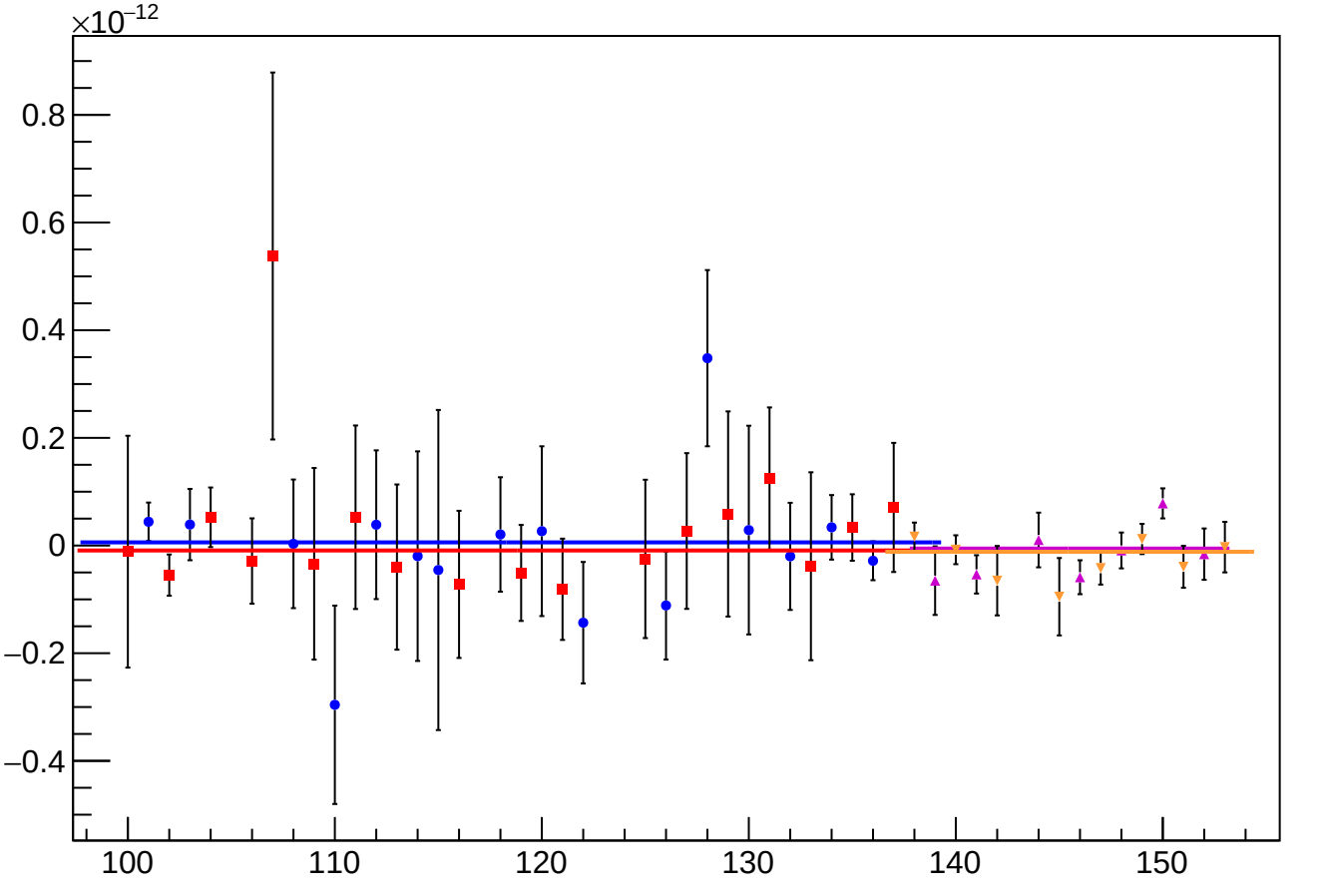
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 95.595+/-0.030 χ^2/NDF:903571.1/6

+ sign 104.873+/-0.023 χ^2/NDF: 3089718.9/23

All: 101.736+/-0.016 χ^2/NDF: 6882157.9/48

- sign 98.800+/-0.022 χ^2/NDF: 3755865.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/7

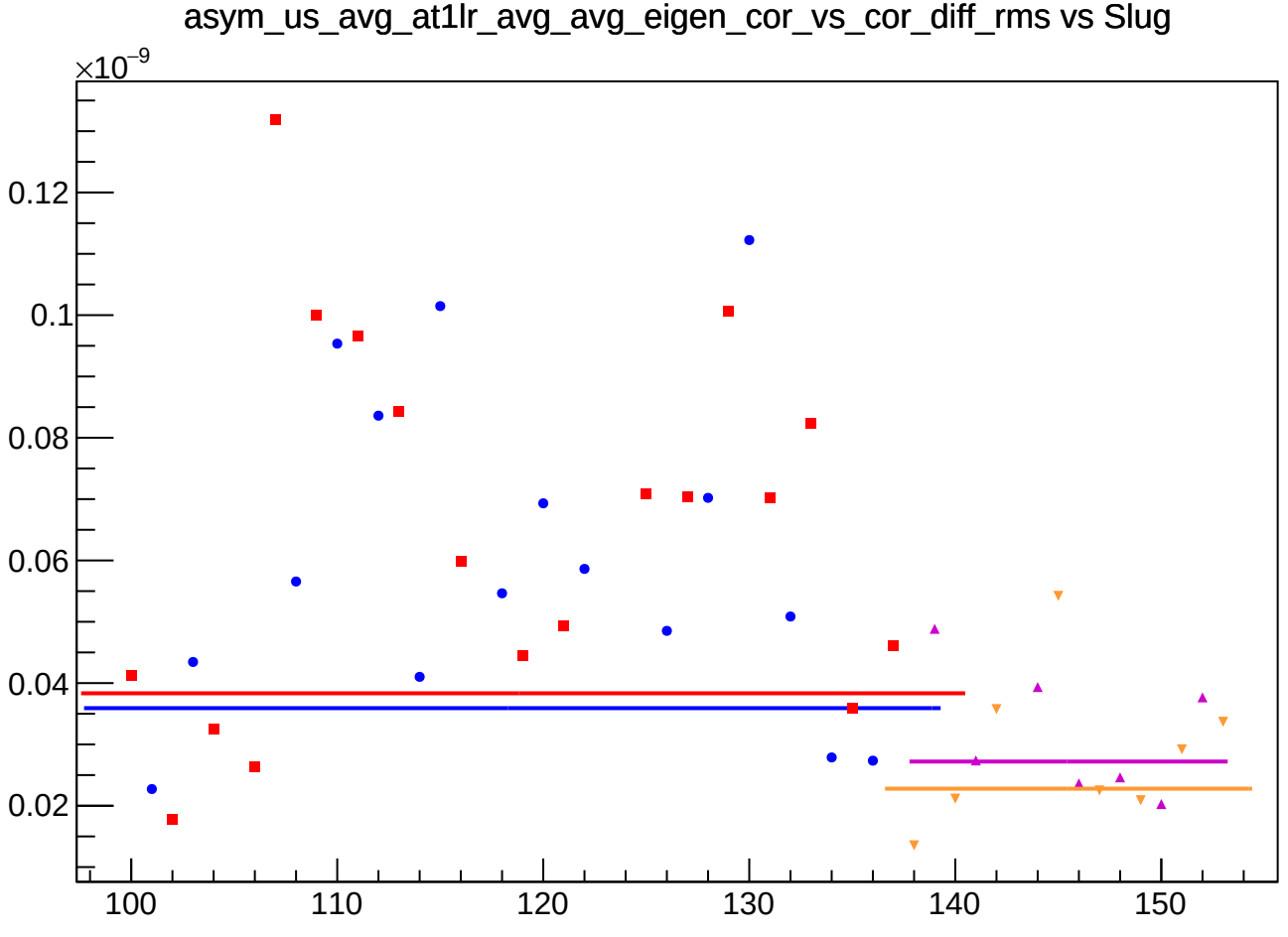
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:14.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 18.9/23

All: -0.000+/-0.000 χ^2/NDF: 42.4/48

- sign -0.000+/-0.000 χ^2/NDF: 23.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:889816.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

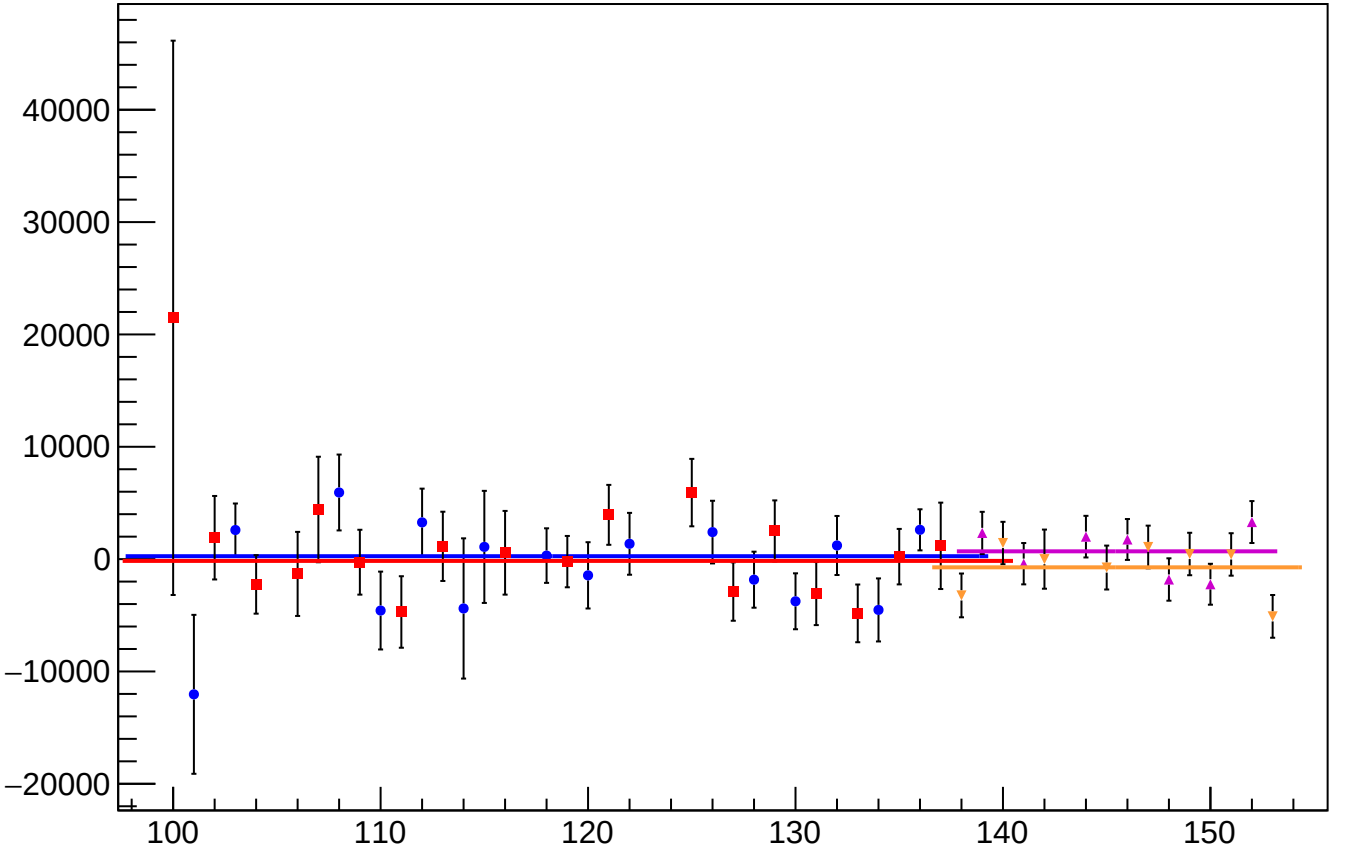
Left In: 0.000+/-0.000 χ^2/NDF:602317.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3316279.5/23

All: 0.000+/-0.000 χ^2/NDF: 6621205.7/48

- sign 0.000+/-0.000 χ^2/NDF: 3177259.2/24

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -731.243+/-696.105 χ^2/NDF:10.0/7

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

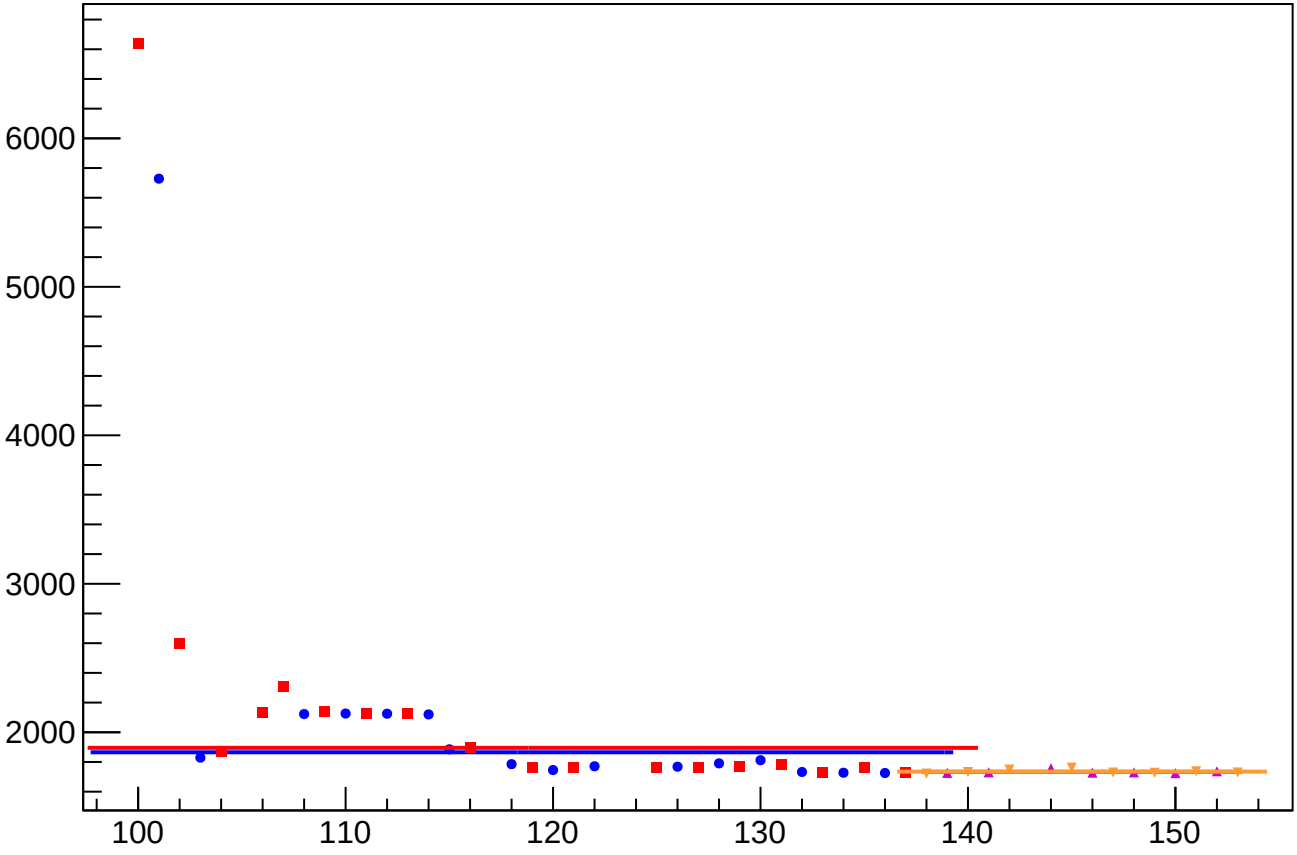
Left In: 693.095+/-699.685 χ^2/NDF:8.3/6

\+ sign -245.451+/-496.957 χ^2/NDF: 30.4/23

All: 13.379+/-352.177 χ^2/NDF: 58.0/48

\- sign 274.506+/-499.157 χ^2/NDF: 27.1/24

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.896+/-0.492 χ^2/NDF:602.8/7

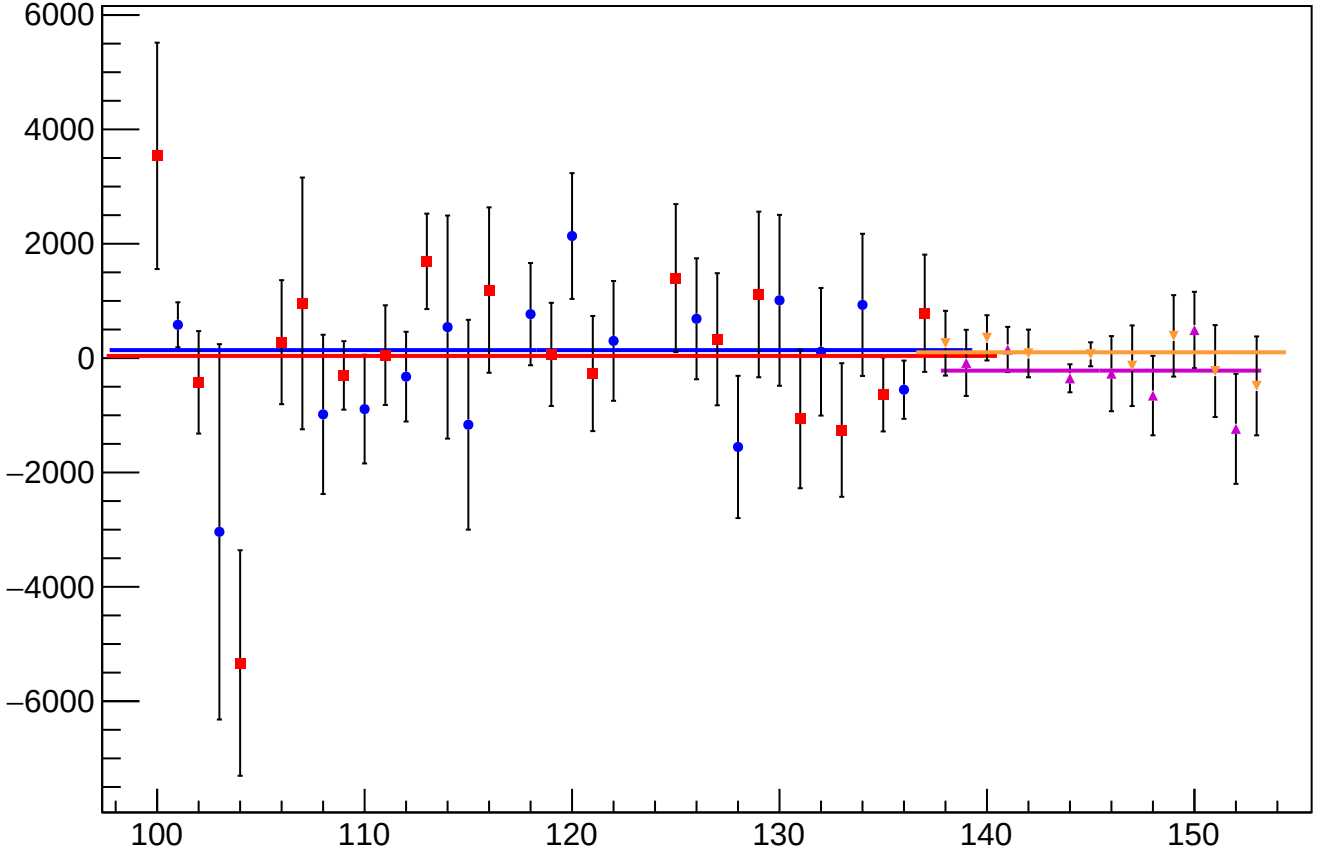
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1733.665+/-0.495 χ^2/NDF:455.9/6

+ sign 1798.773+/-0.351 χ^2/NDF: 707674.4/23

All: 1805.861+/-0.249 χ^2/NDF: 1012133.4/48

- sign 1813.012+/-0.353 χ^2/NDF: 303641.6/24



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 101.693+/-149.389 χ^2/NDF:1.4/7

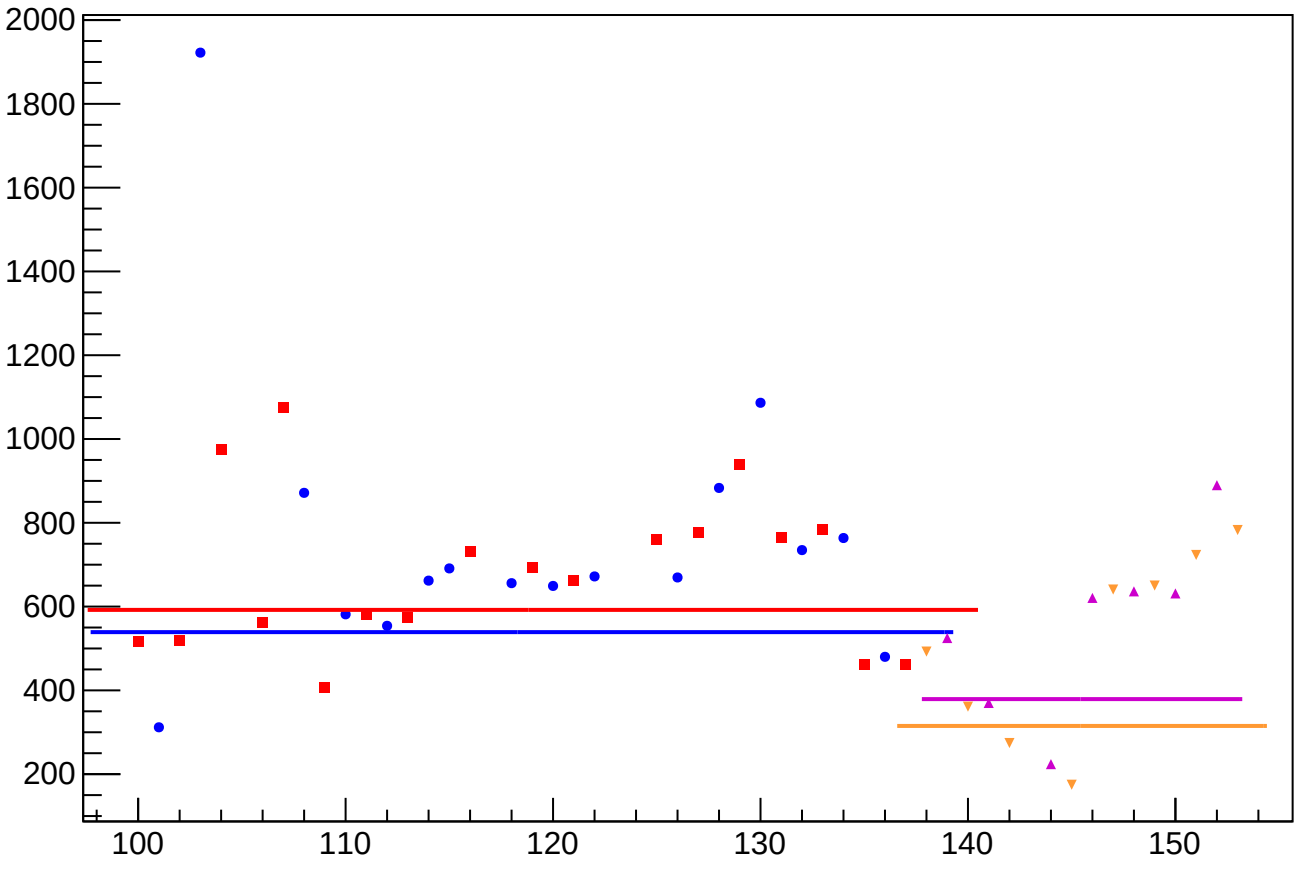
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -218.505+/-172.134 χ^2/NDF:3.9/6

+ sign 113.711+/-123.606 χ^2/NDF: 14.9/23

All: 6.408+/-92.522 χ^2/NDF: 42.6/48

- sign -130.318+/-139.528 χ^2/NDF: 26.0/24



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 315.094+/-0.106 χ^2/NDF:3106000.3/7

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

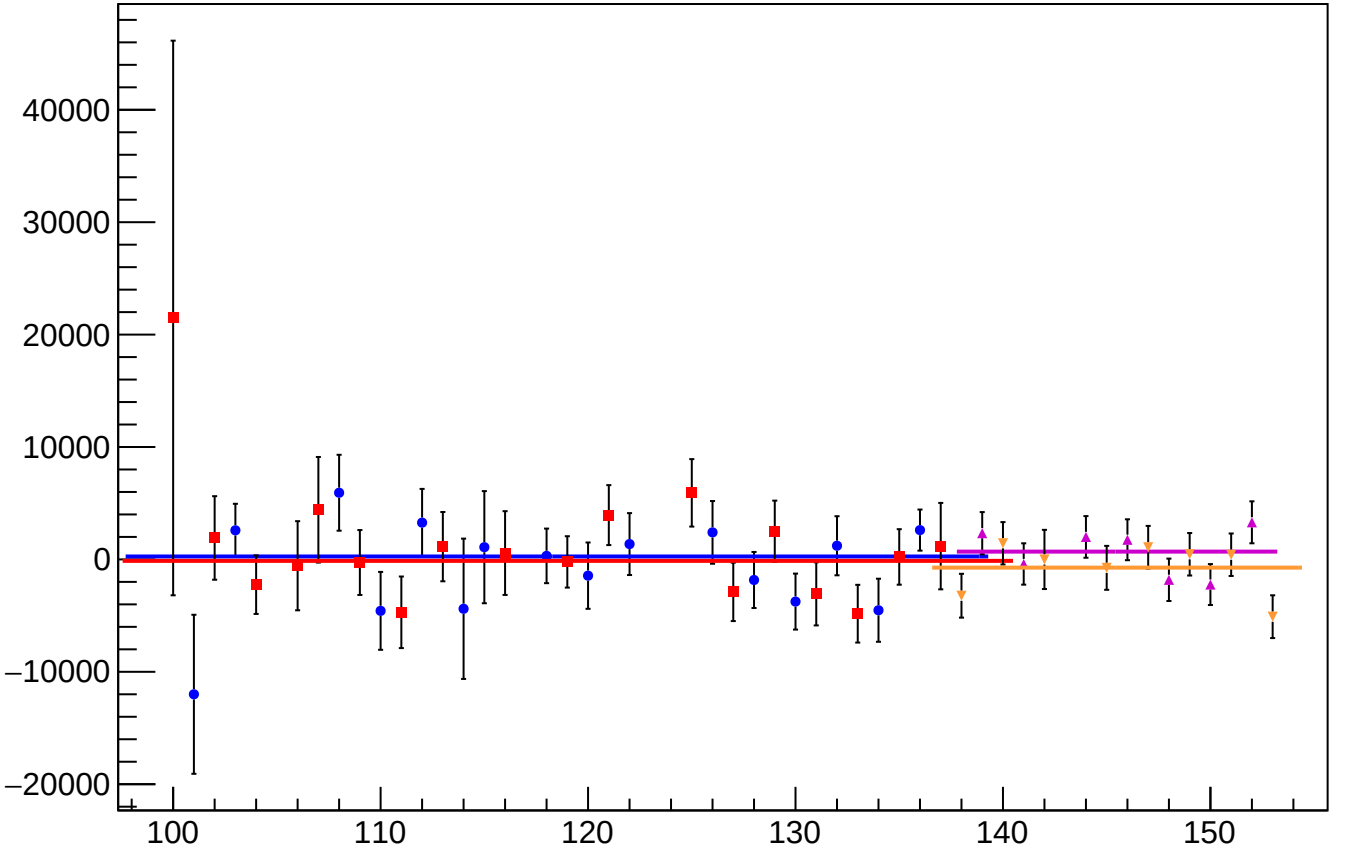
Left In: 379.151+/-0.122 χ^2/NDF:2322793.2/6

+ sign 385.716+/-0.087 χ^2/NDF: 6377769.9/23

All: 414.943+/-0.065 χ^2/NDF: 10847714.8/48

- sign 452.185+/-0.099 χ^2/NDF: 4215638.9/24

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -731.125+/-696.105 χ^2/NDF:10.0/7

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

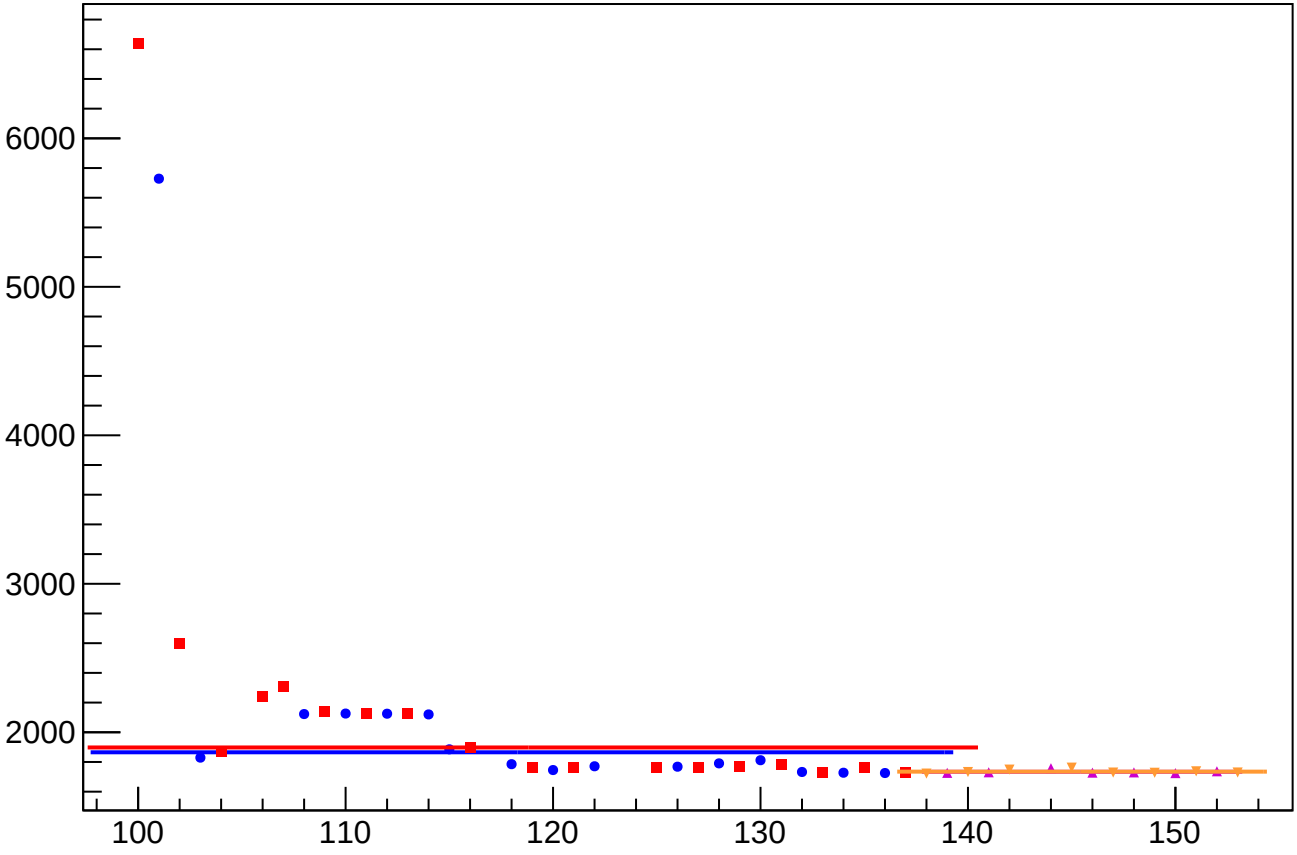
Left In: 693.241+/-699.685 χ^2/NDF:8.3/6

+ sign -245.299+/-496.957 χ^2/NDF: 30.4/23

All: 20.796+/-352.347 χ^2/NDF: 57.9/48

- sign 289.772+/-499.642 χ^2/NDF: 26.9/24

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.896+/-0.492 χ^2/NDF:602.8/7

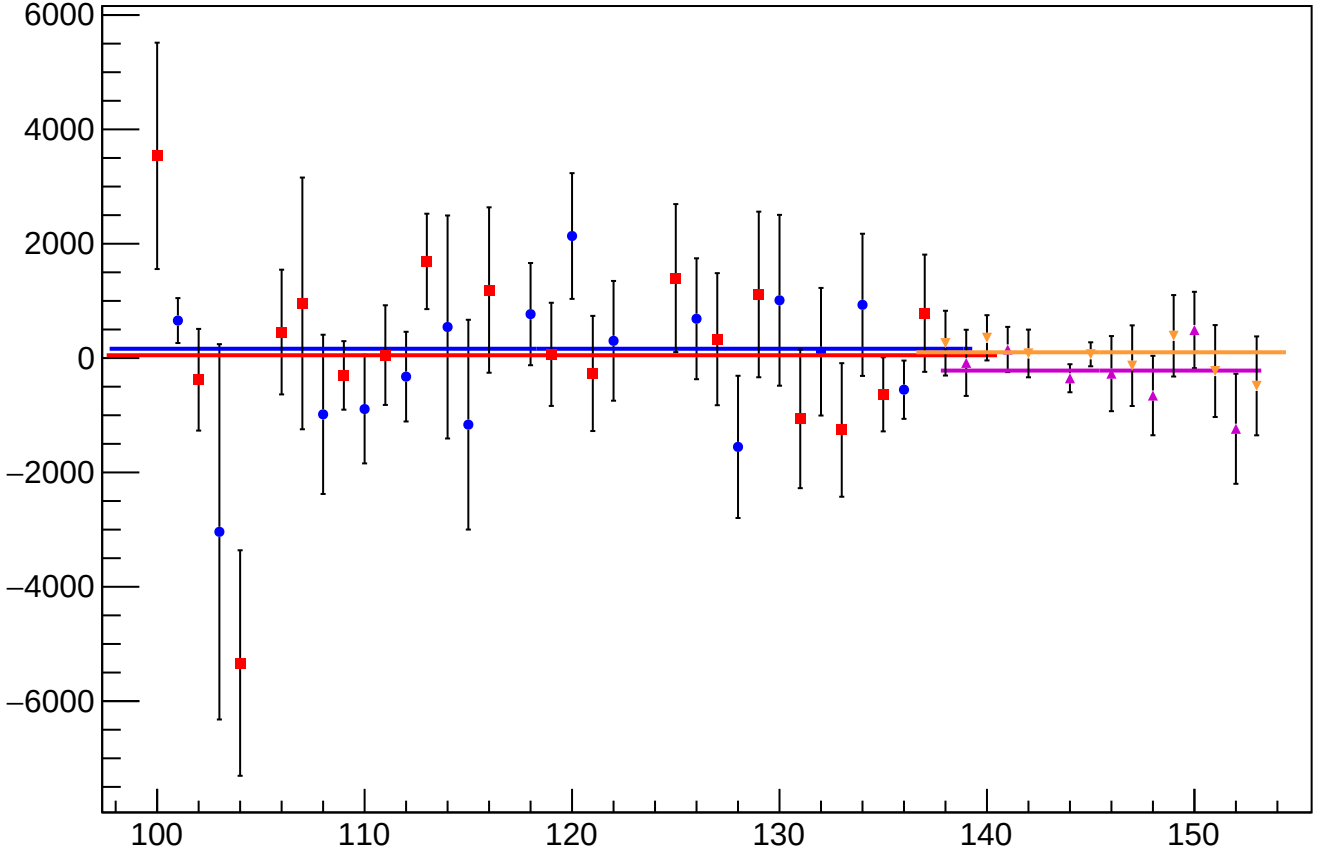
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.665+/-0.495 χ^2/NDF:455.9/6

+ sign 1798.773+/-0.351 χ^2/NDF: 707674.3/23

All: 1806.372+/-0.249 χ^2/NDF: 1020676.9/48

- sign 1814.053+/-0.353 χ^2/NDF: 312062.3/24



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 101.568+/-149.392 χ^2/NDF:1.4/7

Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

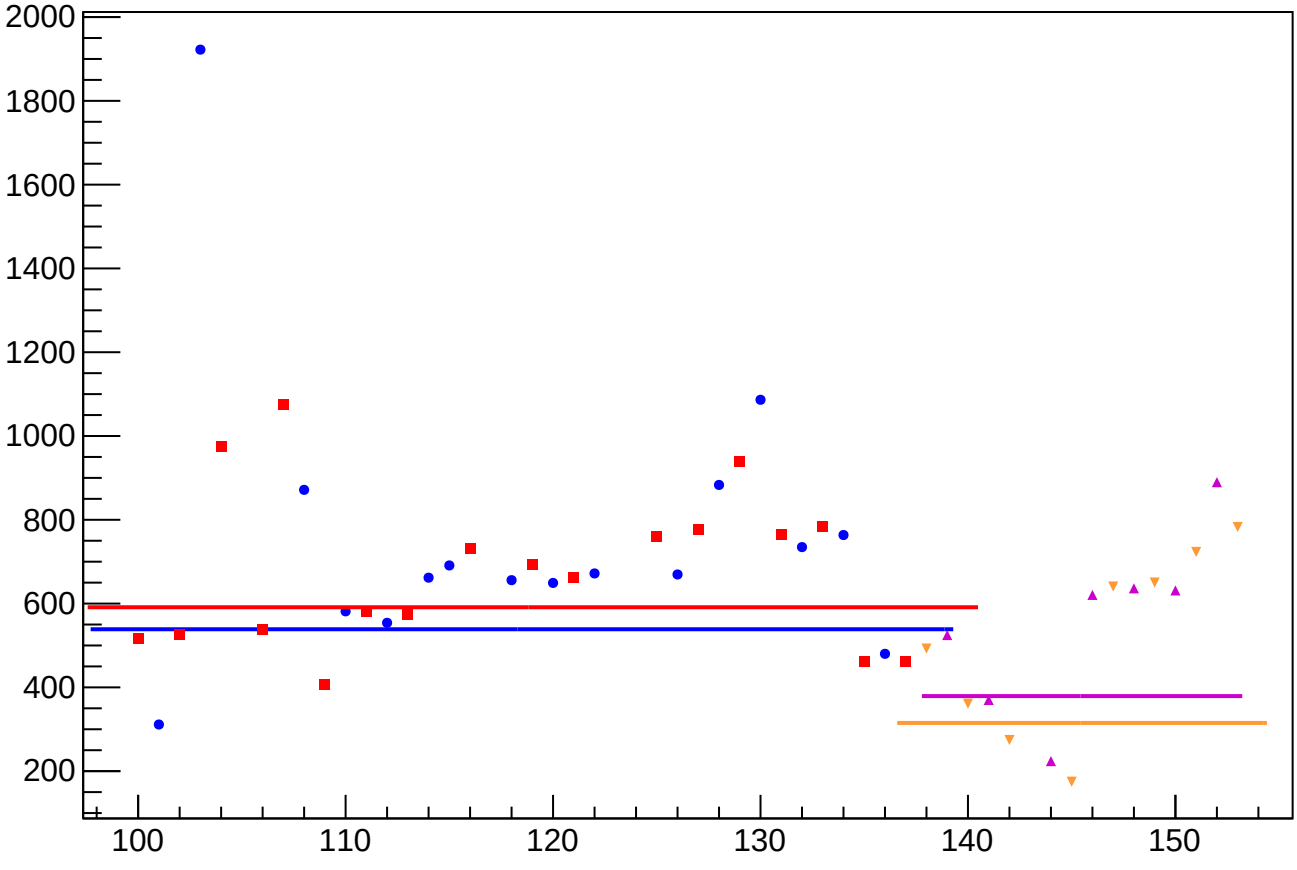
Left In: -218.490+/-172.135 χ^2/NDF:3.9/6

\+ sign 121.000+/-123.595 χ^2/NDF: 15.4/23

All: 12.168+/-92.514 χ^2/NDF: 43.3/48

\- sign -126.511+/-139.517 χ^2/NDF: 26.1/24

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 315.102+/-0.106 χ^2/NDF:3105953.1/7

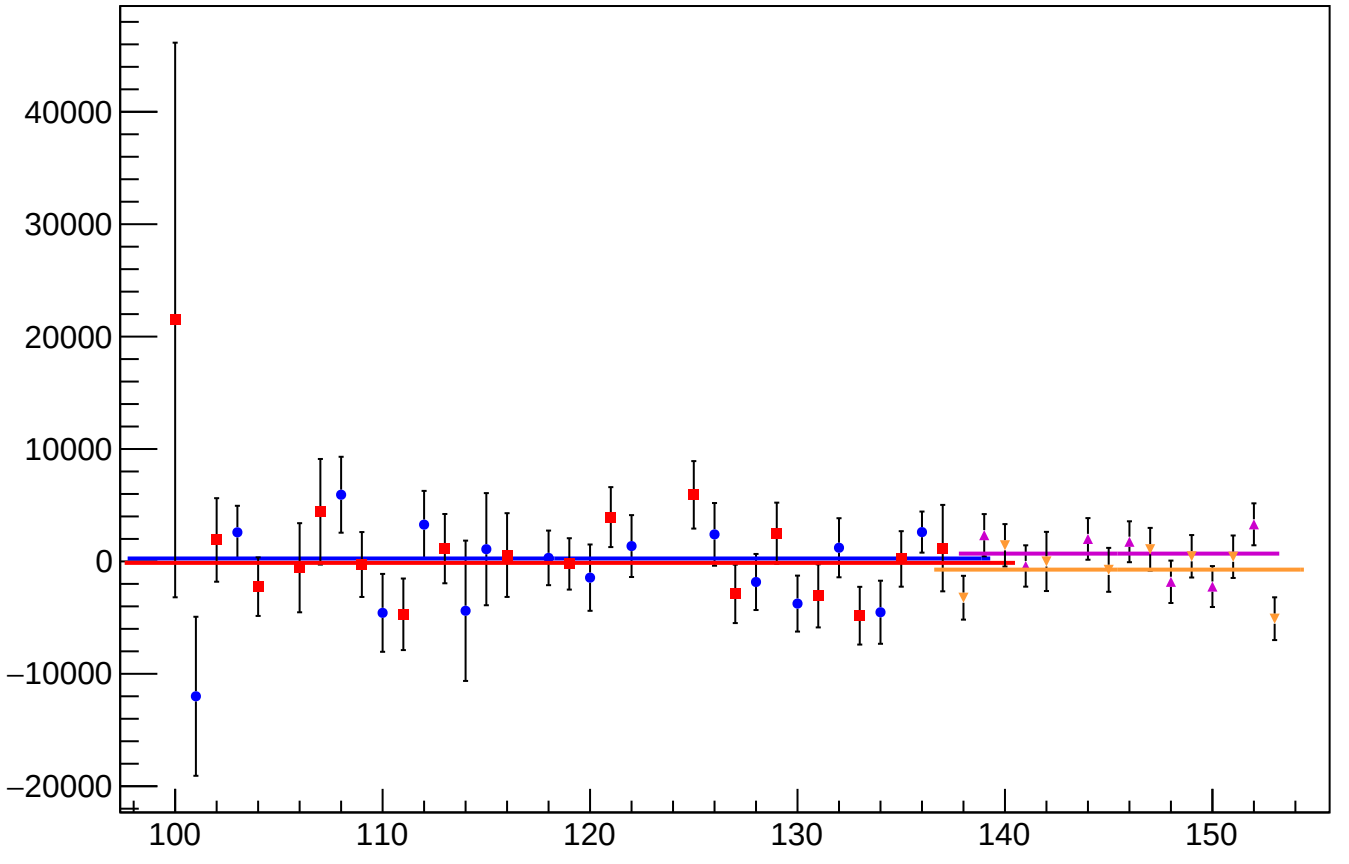
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 379.160+/-0.122 χ^2/NDF:2322564.3/6

+ sign 385.658+/-0.087 χ^2/NDF: 6378637.5/23

All: 414.793+/-0.065 χ^2/NDF: 10840046.9/48

- sign 451.919+/-0.099 χ^2/NDF: 4208649.6/24



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -731.125+/-696.105 χ^2/NDF:10.0/7

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

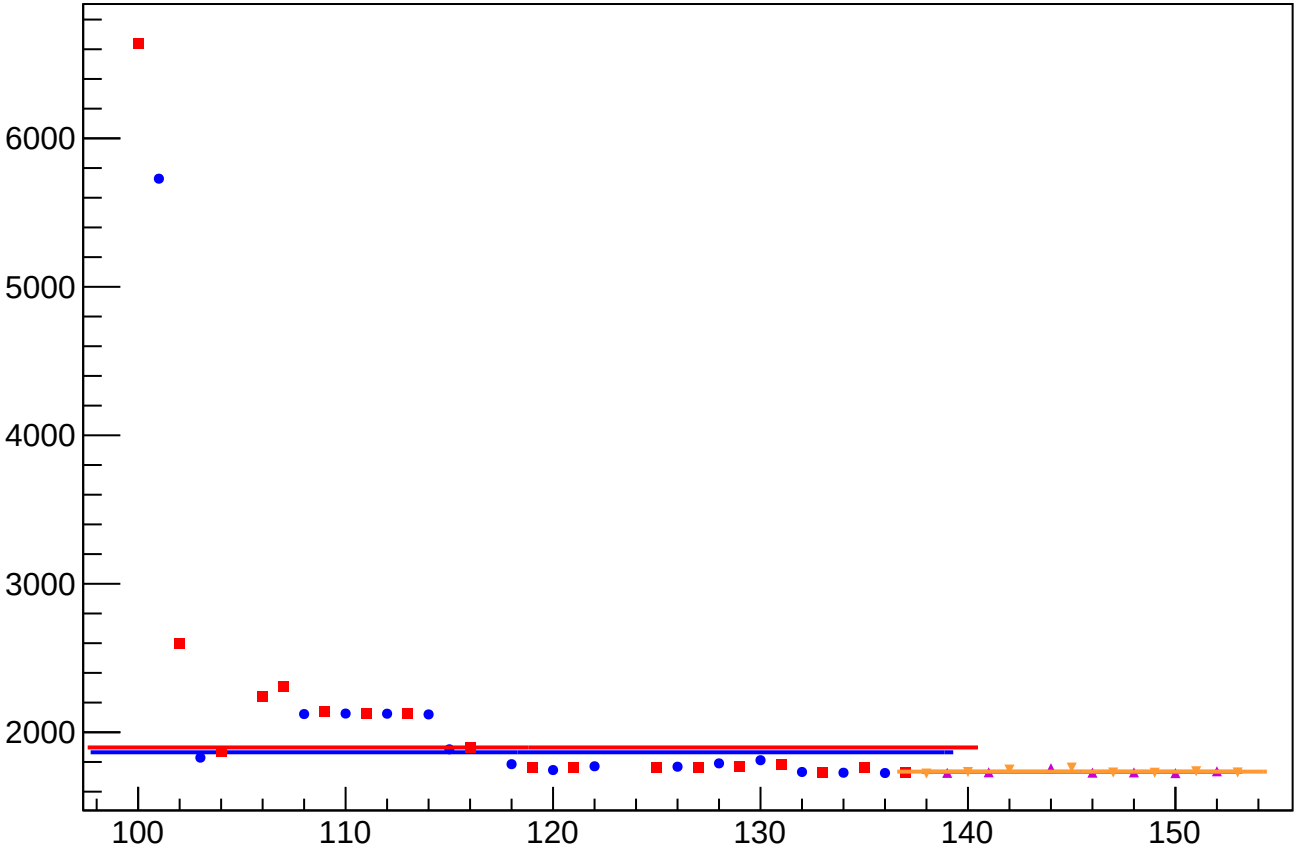
Left In: 693.241+/-699.685 χ^2/NDF:8.3/6

\+ sign -245.299+/-496.957 χ^2/NDF: 30.4/23

All: 20.796+/-352.347 χ^2/NDF: 57.9/48

\- sign 289.772+/-499.642 χ^2/NDF: 26.9/24

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.896+/-0.492 χ^2/NDF:602.8/7

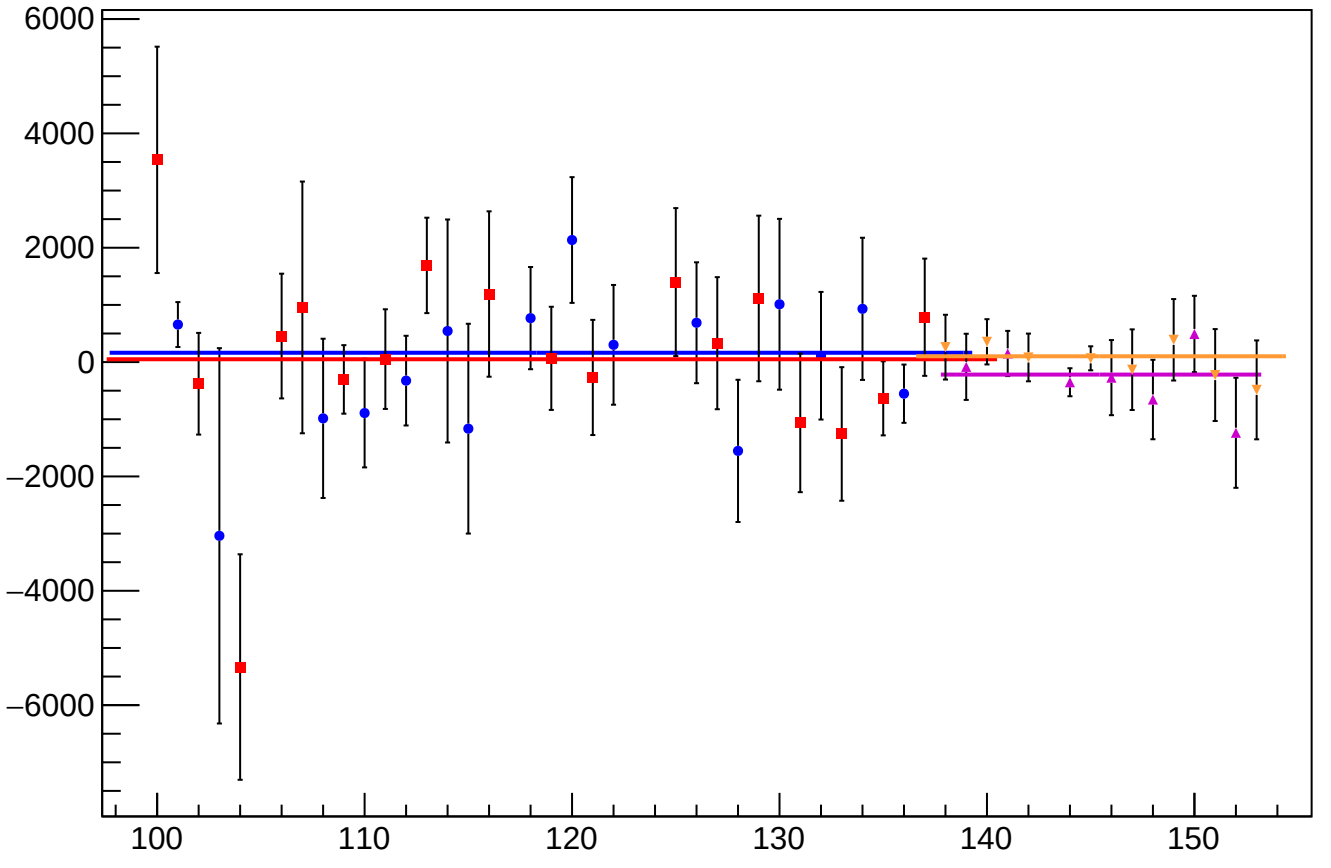
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.665+/-0.495 χ^2/NDF:455.9/6

+ sign 1798.773+/-0.351 χ^2/NDF: 707674.3/23

All: 1806.372+/-0.249 χ^2/NDF: 1020676.9/48

- sign 1814.053+/-0.353 χ^2/NDF: 312062.3/24



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 101.568+/-149.392 χ^2/NDF:1.4/7

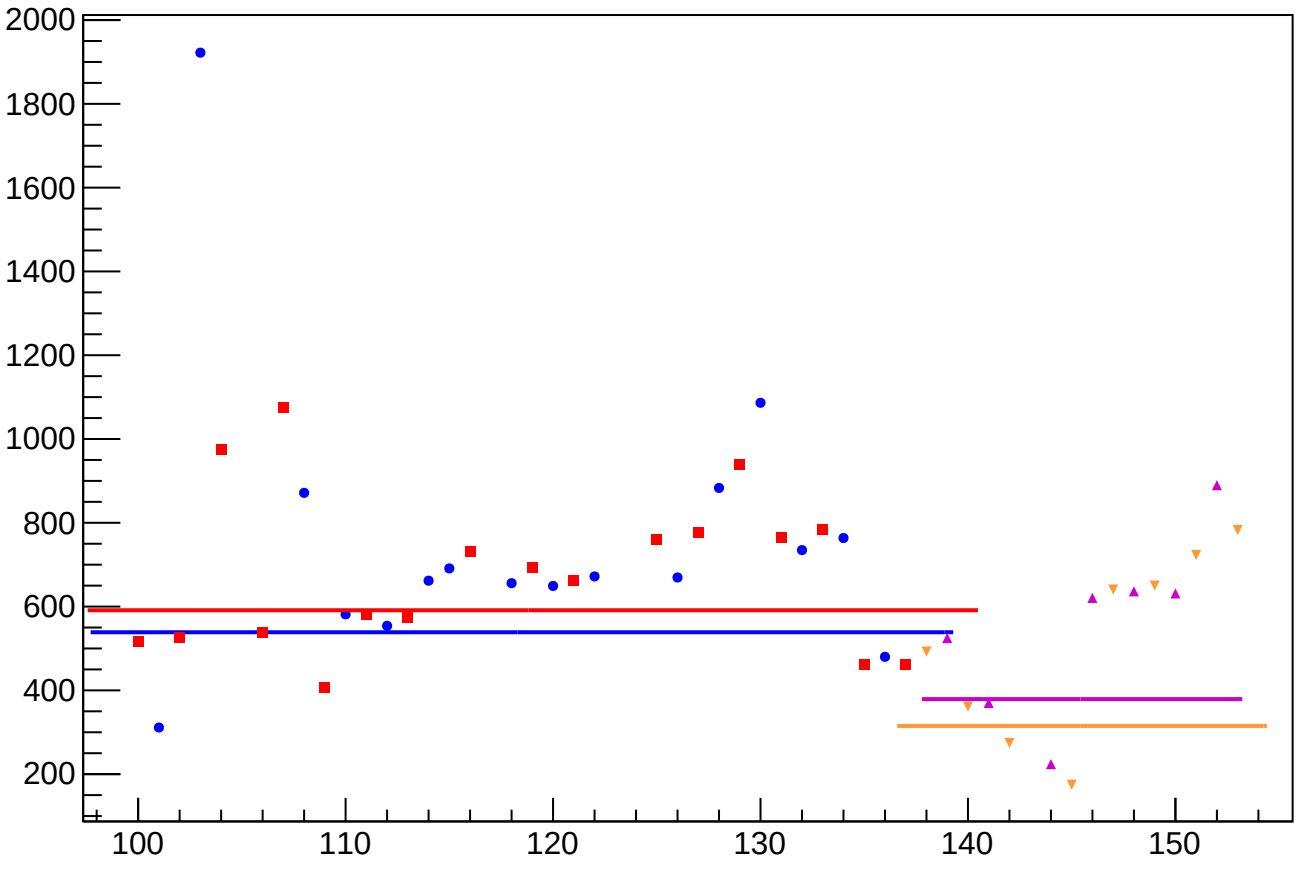
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -218.490+/-172.135 χ^2/NDF:3.9/6

+ sign 121.000+/-123.595 χ^2/NDF: 15.4/23

All: 12.168+/-92.514 χ^2/NDF: 43.3/48

- sign -126.511+/-139.517 χ^2/NDF: 26.1/24



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 315.102+/-0.106 χ^2/NDF:3105953.1/7

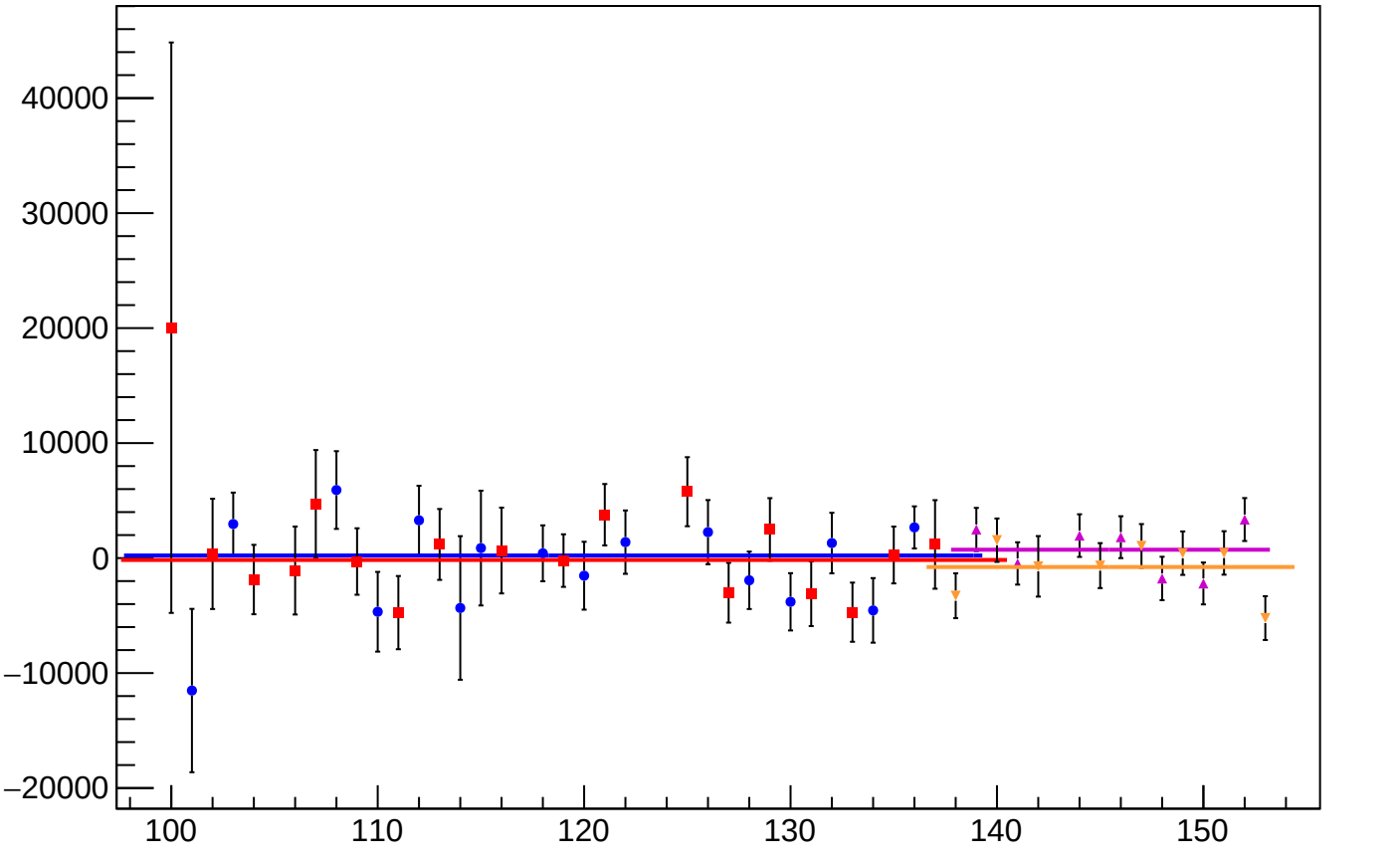
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 379.160+/-0.122 χ^2/NDF:2322564.3/6

+ sign 385.658+/-0.087 χ^2/NDF: 6378637.5/23

All: 414.793+/-0.065 χ^2/NDF: 10840046.9/48

- sign 451.919+/-0.099 χ^2/NDF: 4208649.6/24



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -776.586+/-696.483 χ^2/NDF:10.4/7

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

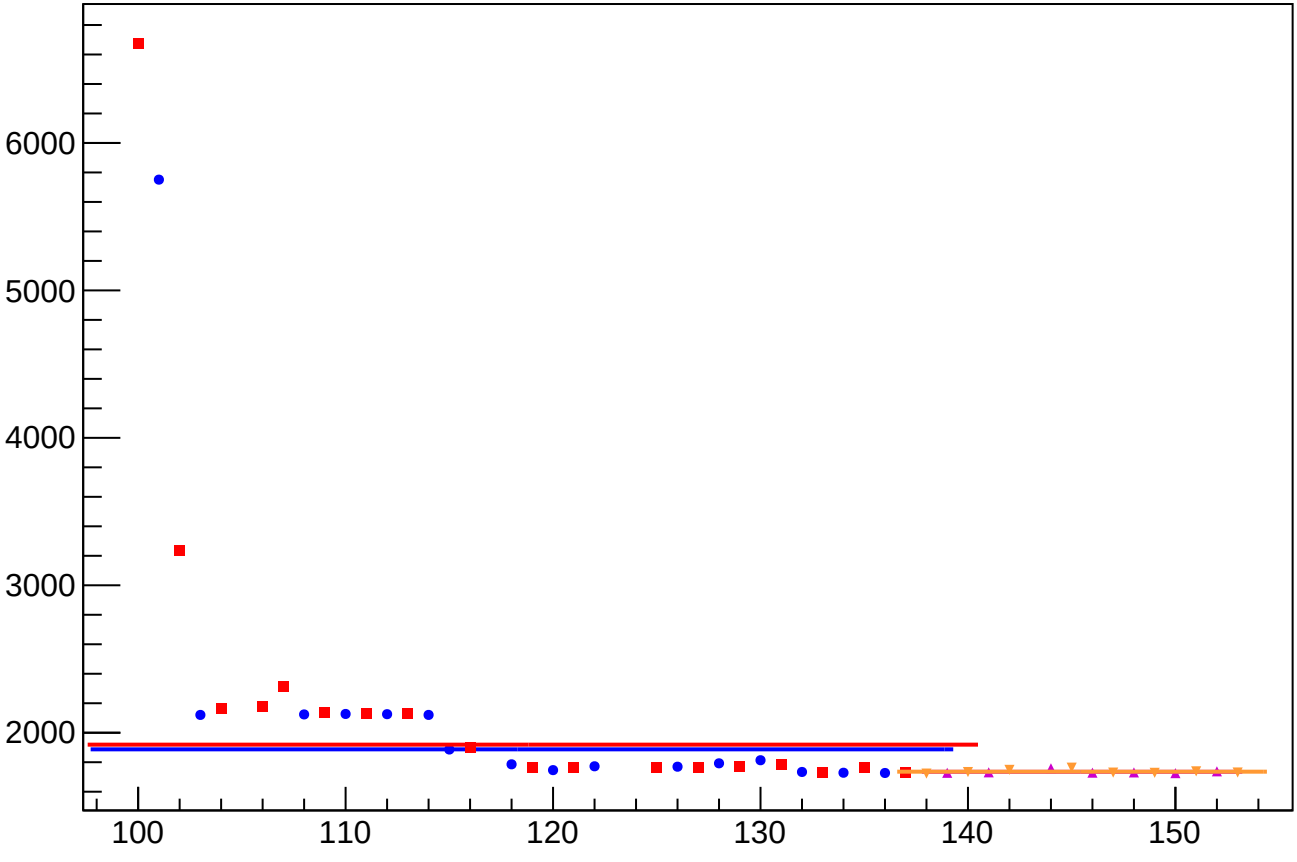
Left In: 727.813+/-700.096 χ^2/NDF:8.4/6

\+ sign -290.818+/-500.109 χ^2/NDF: 30.8/23

All: 1.434+/-354.958 χ^2/NDF: 57.7/48

\- sign 298.115+/-503.884 χ^2/NDF: 26.2/24

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.838+/-0.492 χ^2/NDF:598.7/7

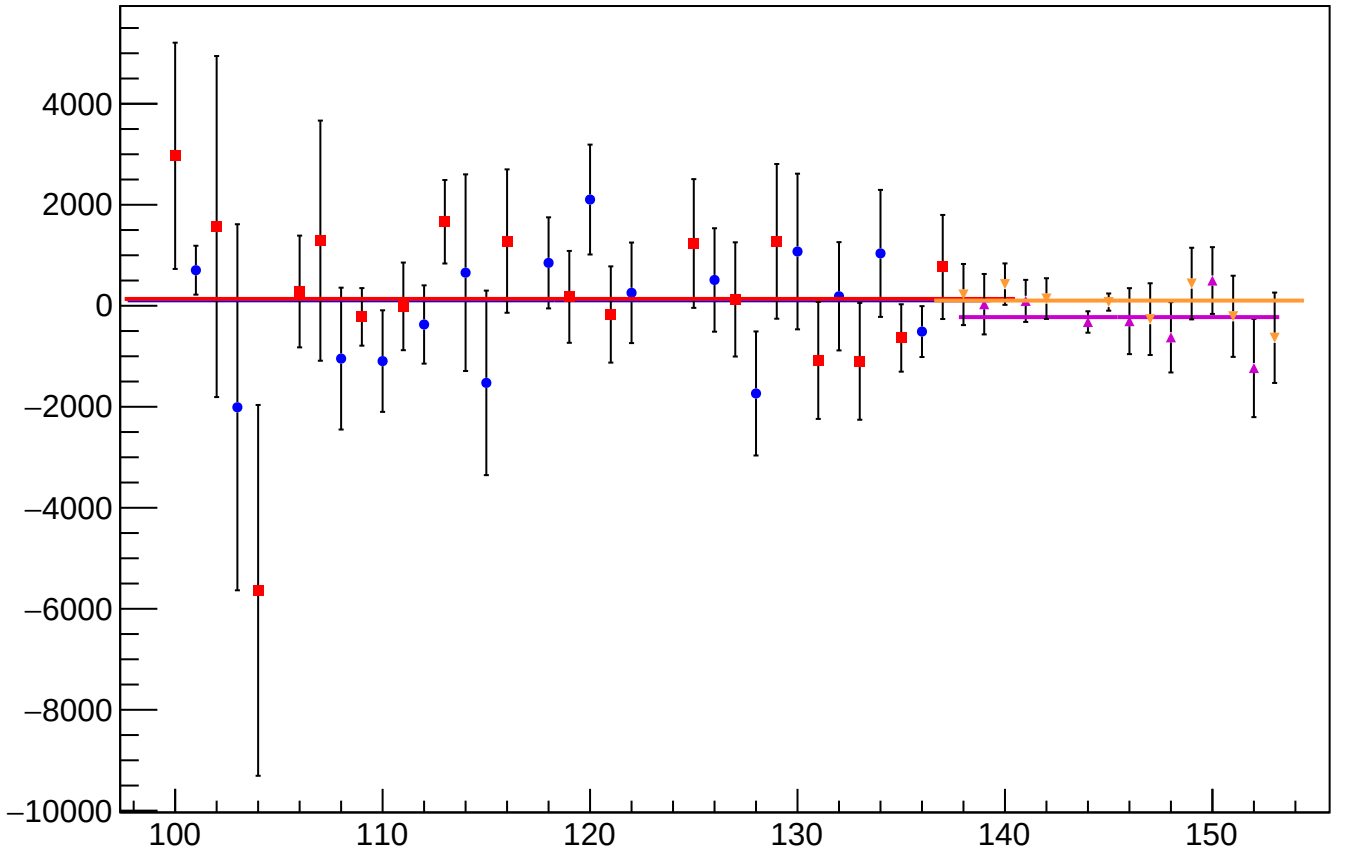
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1734.681+/-0.495 χ^2/NDF:448.0/6

+ sign 1809.212+/-0.354 χ^2/NDF: 735864.5/23

All: 1816.351+/-0.251 χ^2/NDF: 1156636.5/48

- sign 1823.599+/-0.356 χ^2/NDF: 419950.7/24



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 103.304+/-133.535 χ^2/NDF:2.0/7

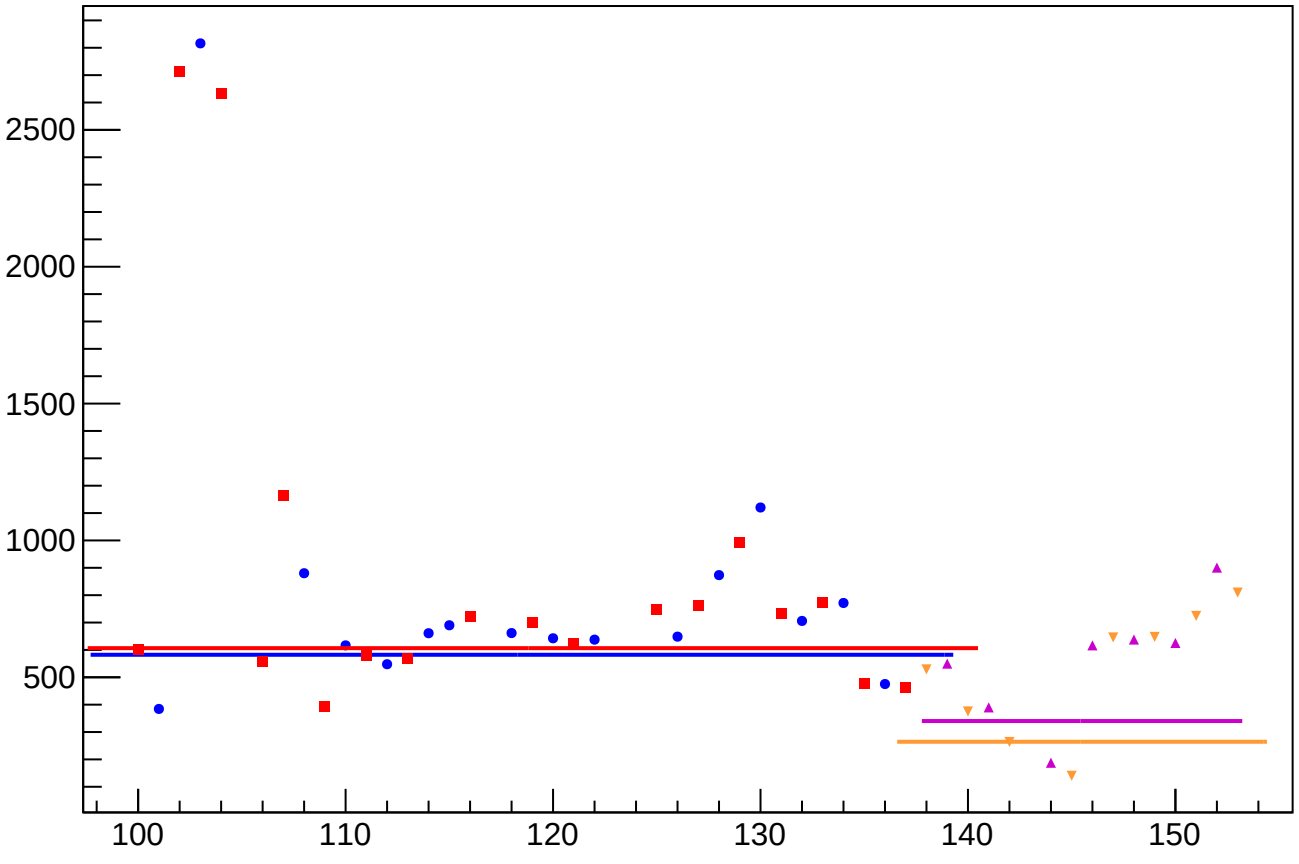
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -224.373+/-161.153 χ^2/NDF:3.6/6

\+ sign 104.507+/-115.698 χ^2/NDF: 16.2/23

All: 10.833+/-87.792 χ^2/NDF: 37.2/48

\- sign -116.312+/-134.792 χ^2/NDF: 19.5/24



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 264.480+/-0.094 χ^2/NDF:4148415.5/7

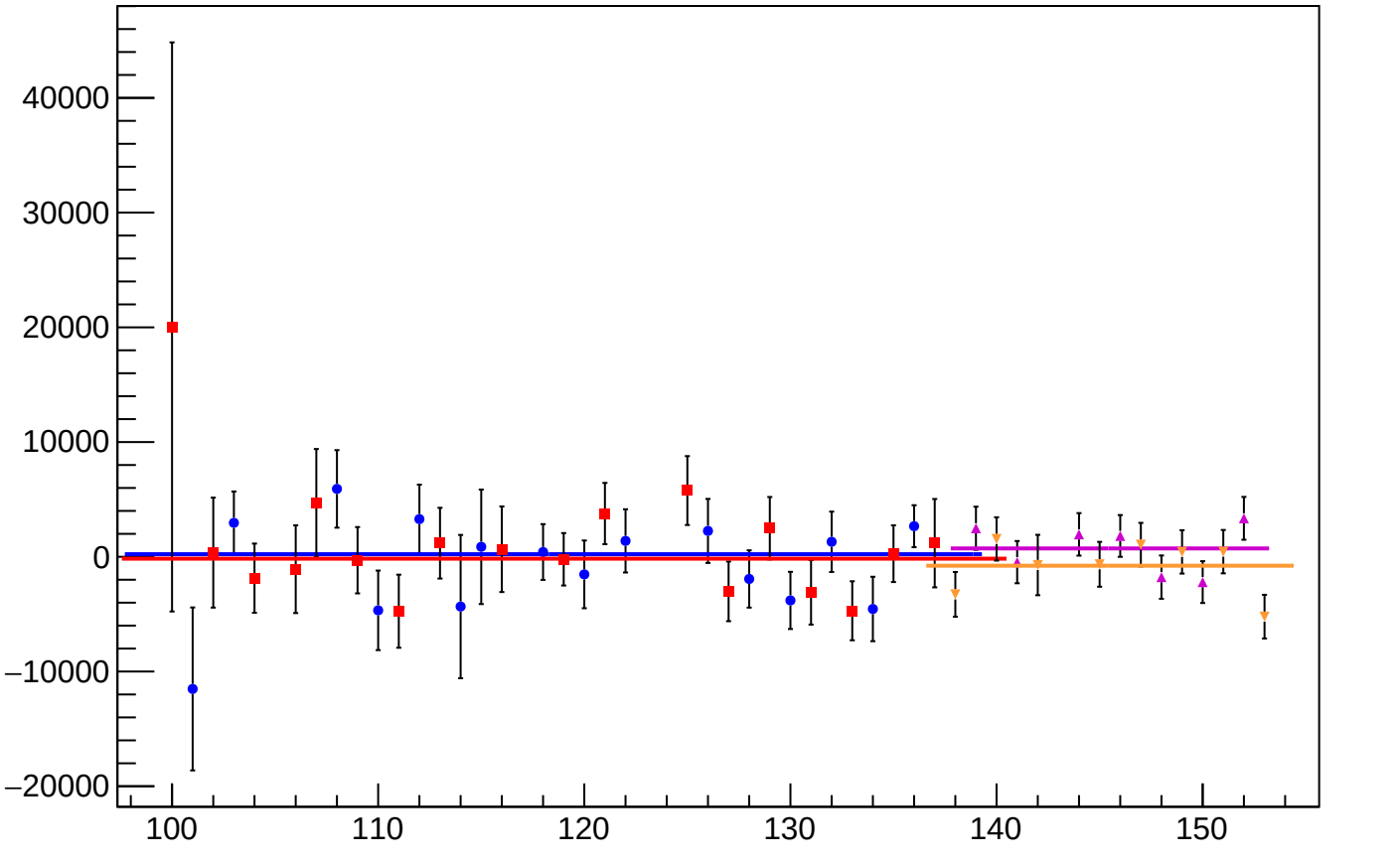
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 340.202+/-0.114 χ^2/NDF:3065993.6/6

+ sign 343.711+/-0.082 χ^2/NDF: 8726771.8/23

All: 376.151+/-0.062 χ^2/NDF: 16001726.8/48

- sign 420.182+/-0.095 χ^2/NDF: 6904312.8/24



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -776.589+/-696.483 χ^2/NDF:10.4/7

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

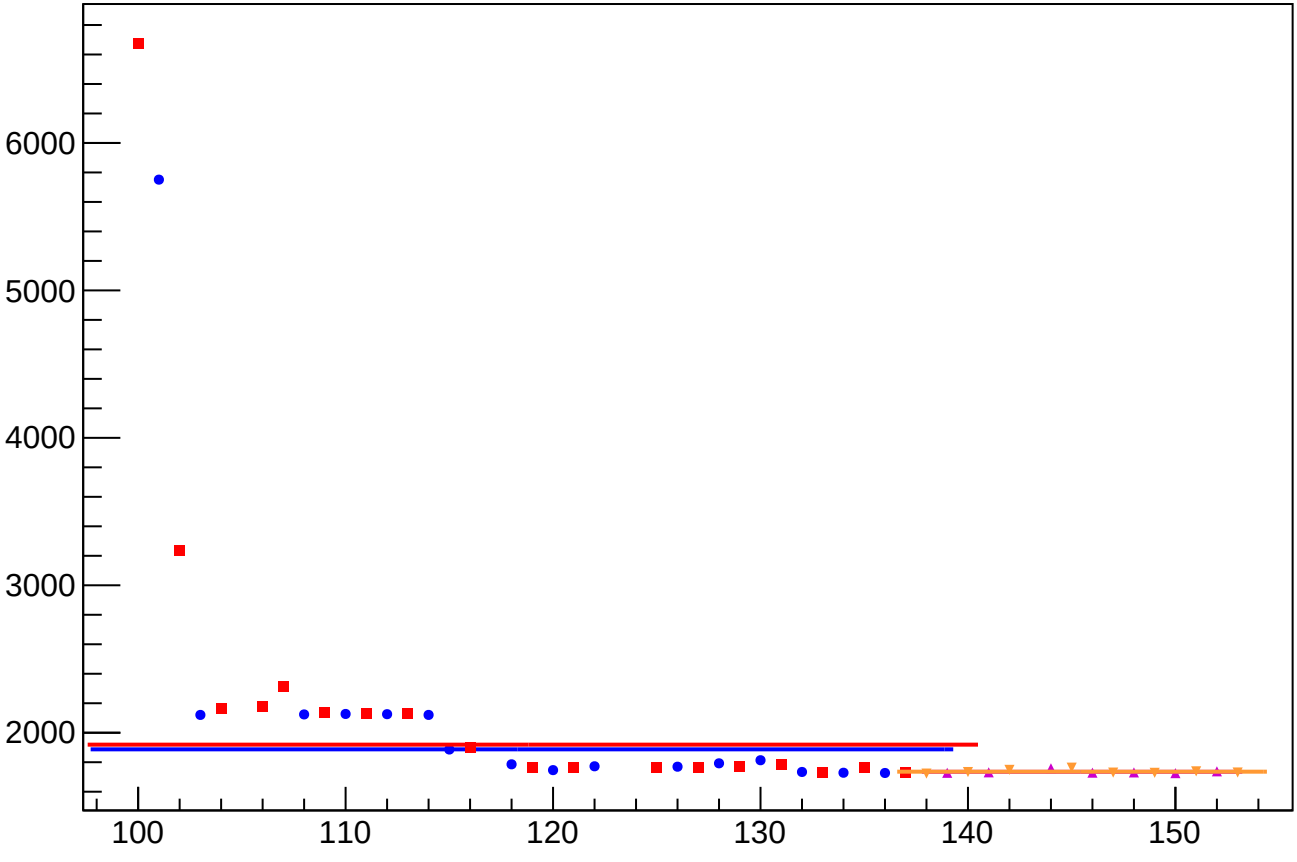
Left In: 727.811+/-700.097 χ^2/NDF:8.4/6

+ sign -290.820+/-500.109 χ^2/NDF: 30.8/23

All: 1.433+/-354.958 χ^2/NDF: 57.7/48

- sign 298.114+/-503.884 χ^2/NDF: 26.2/24

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.838+/-0.492 χ^2/NDF:598.7/7

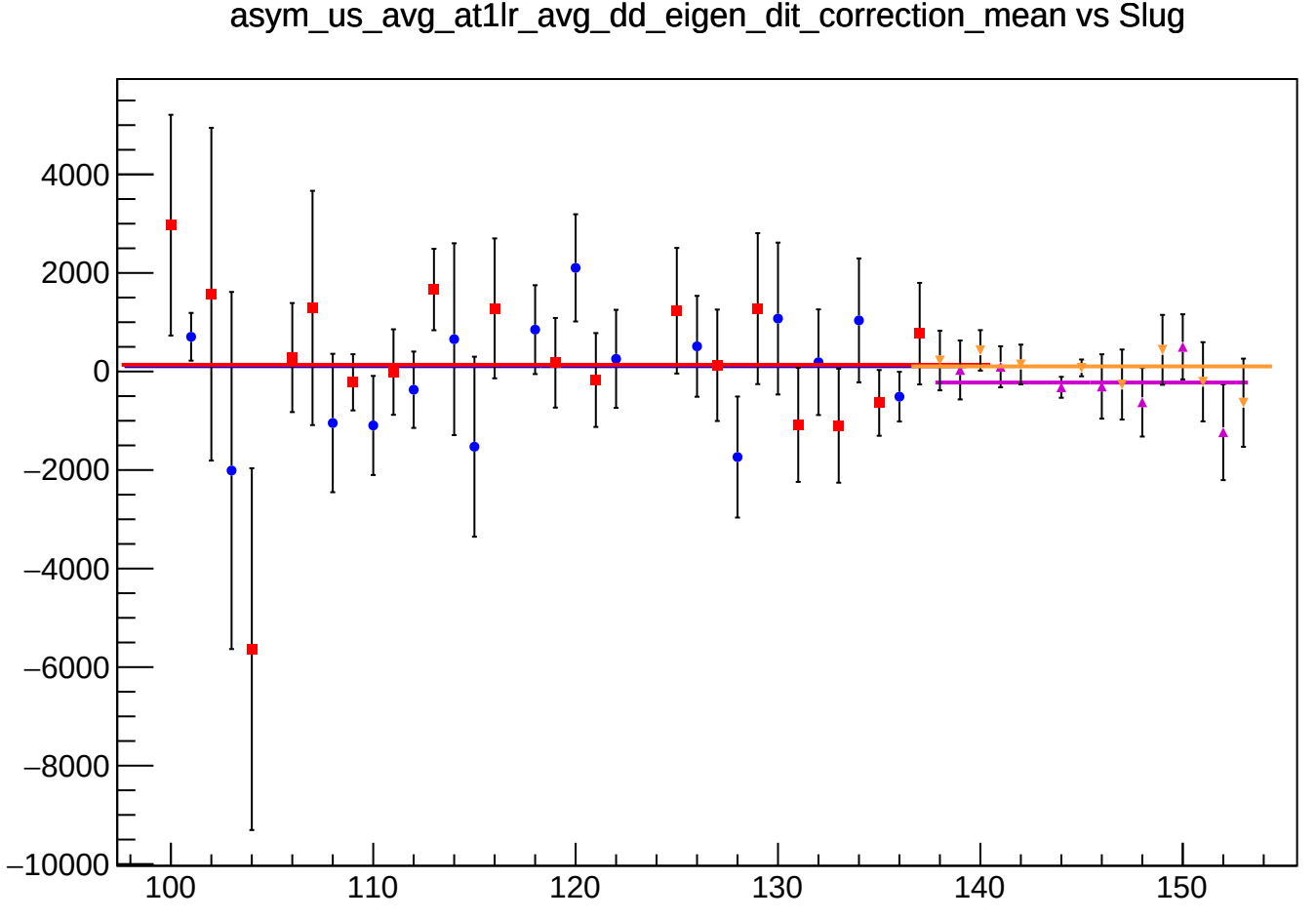
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.681+/-0.495 χ^2/NDF:448.0/6

+ sign 1809.212+/-0.354 χ^2/NDF: 735864.1/23

All: 1816.351+/-0.251 χ^2/NDF: 1156635.3/48

- sign 1823.599+/-0.356 χ^2/NDF: 419949.8/24



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 103.302+/-133.536 χ^2/NDF:2.0/7

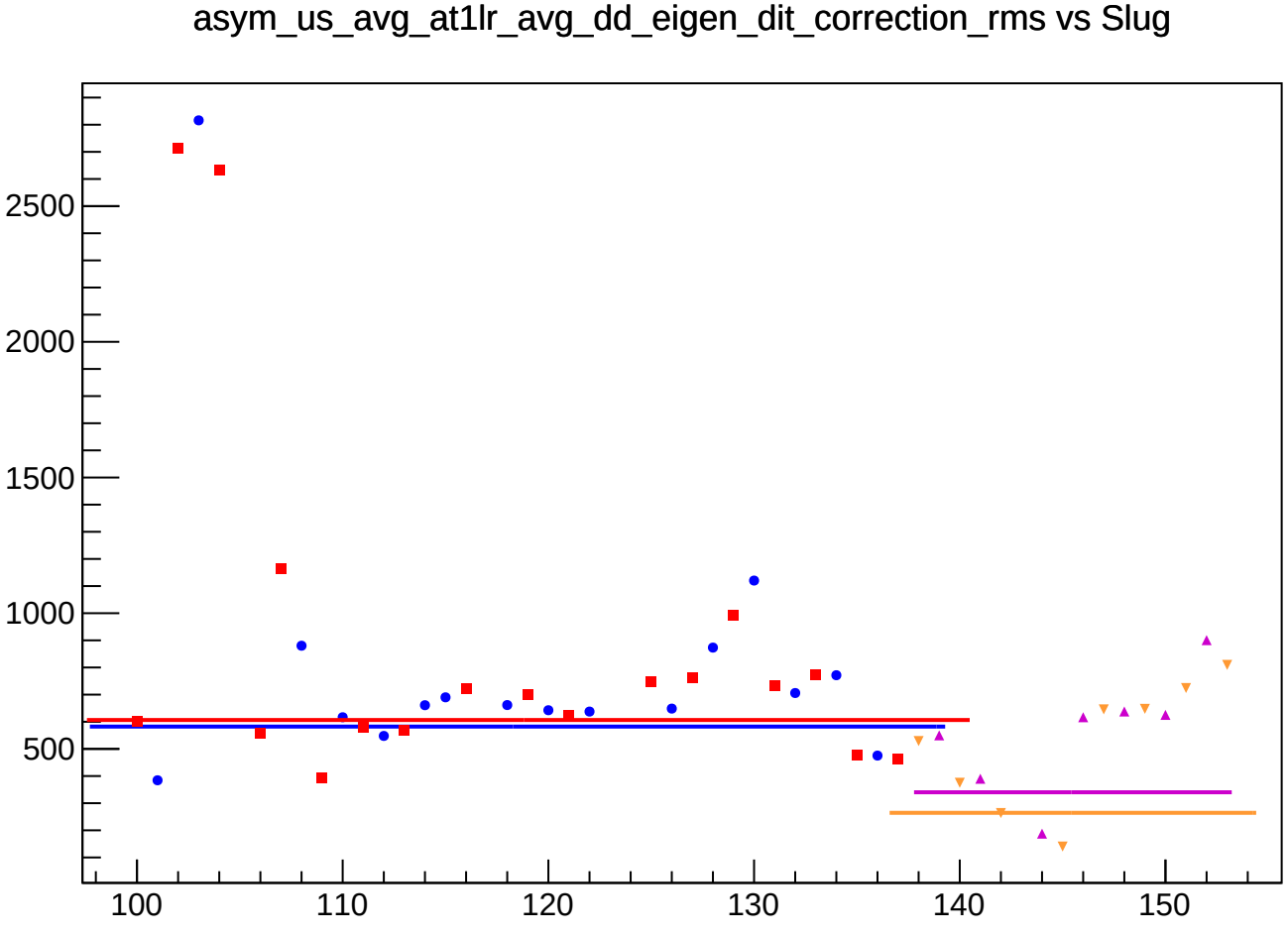
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -224.373+/-161.153 χ^2/NDF:3.6/6

\+ sign 104.505+/-115.698 χ^2/NDF: 16.2/23

All: 10.832+/-87.792 χ^2/NDF: 37.2/48

\- sign -116.311+/-134.792 χ^2/NDF: 19.5/24



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 264.480+/-0.094 χ^2/NDF:4148434.8/7

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

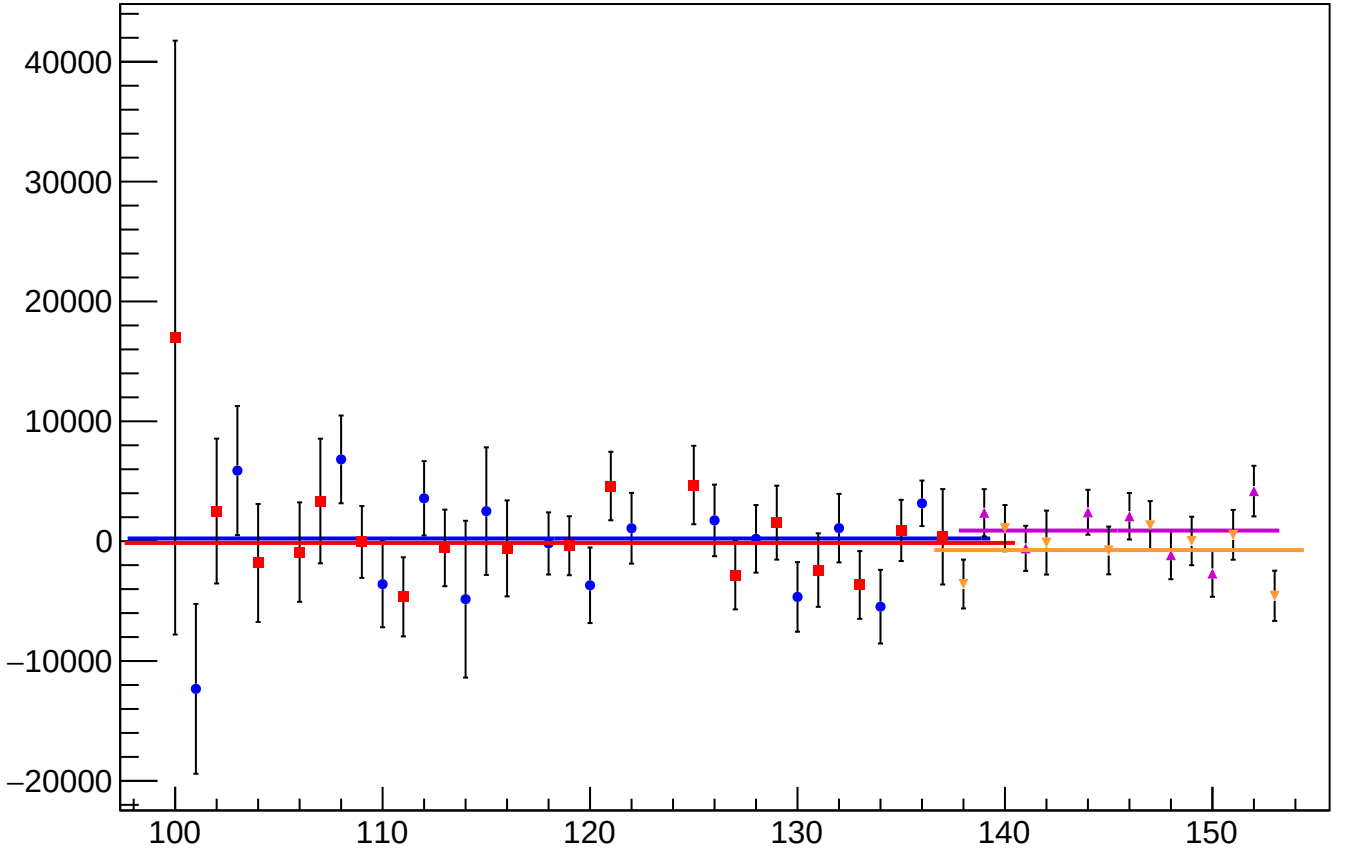
Left In: 340.203+/-0.114 χ^2/NDF:3066003.8/6

+ sign 343.711+/-0.082 χ^2/NDF: 8726763.6/23

All: 376.151+/-0.062 χ^2/NDF: 16001704.2/48

- sign 420.182+/-0.095 χ^2/NDF: 6904298.9/24

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -742.669+/-735.326 χ^2/NDF:7.8/7

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

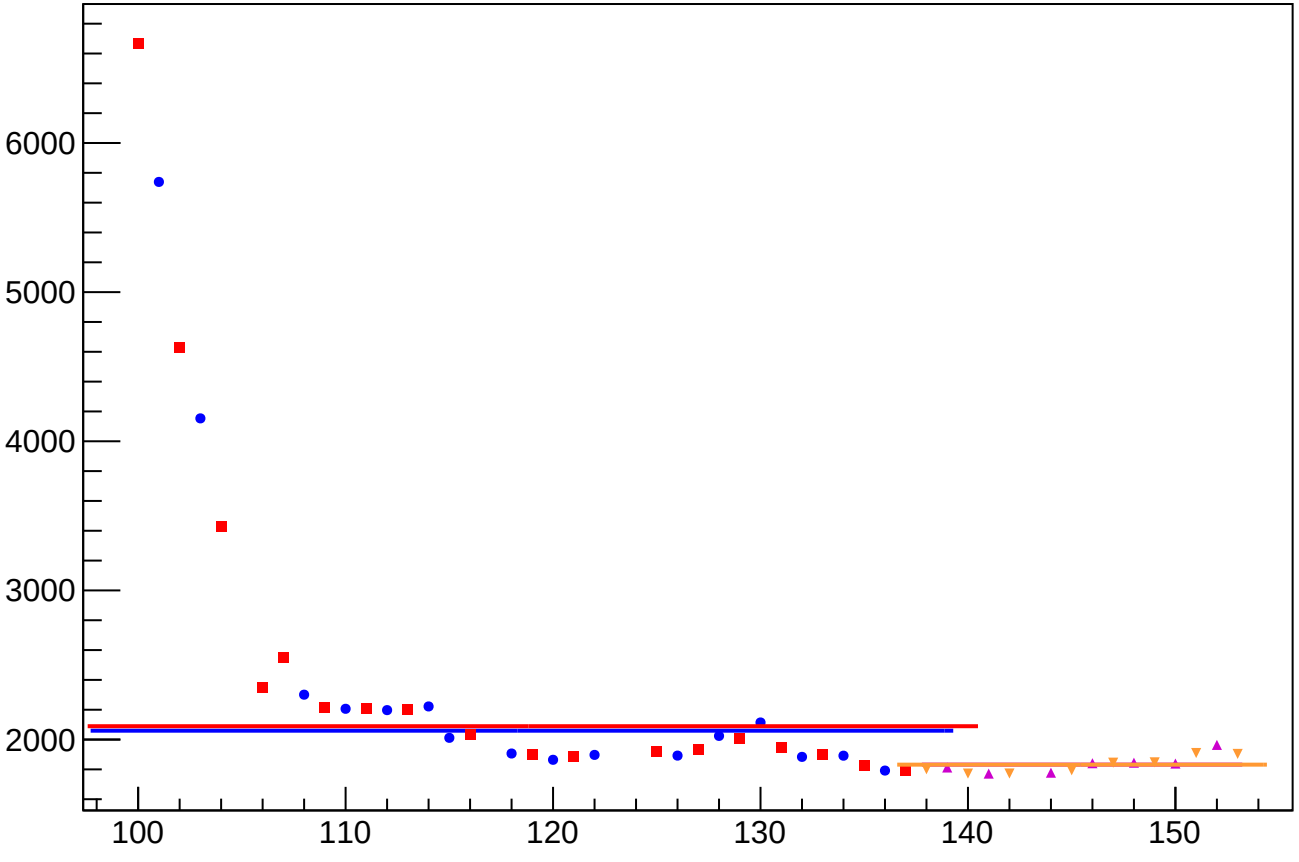
Left In: 884.633+/-739.747 χ^2/NDF:9.1/6

\+ sign -294.718+/-538.775 χ^2/NDF: 29.7/23

All: 53.468+/-381.862 χ^2/NDF: 52.2/48

\- sign 404.926+/-541.301 χ^2/NDF: 21.6/24

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1831.770+/-0.520 χ^2/NDF:9470.9/7

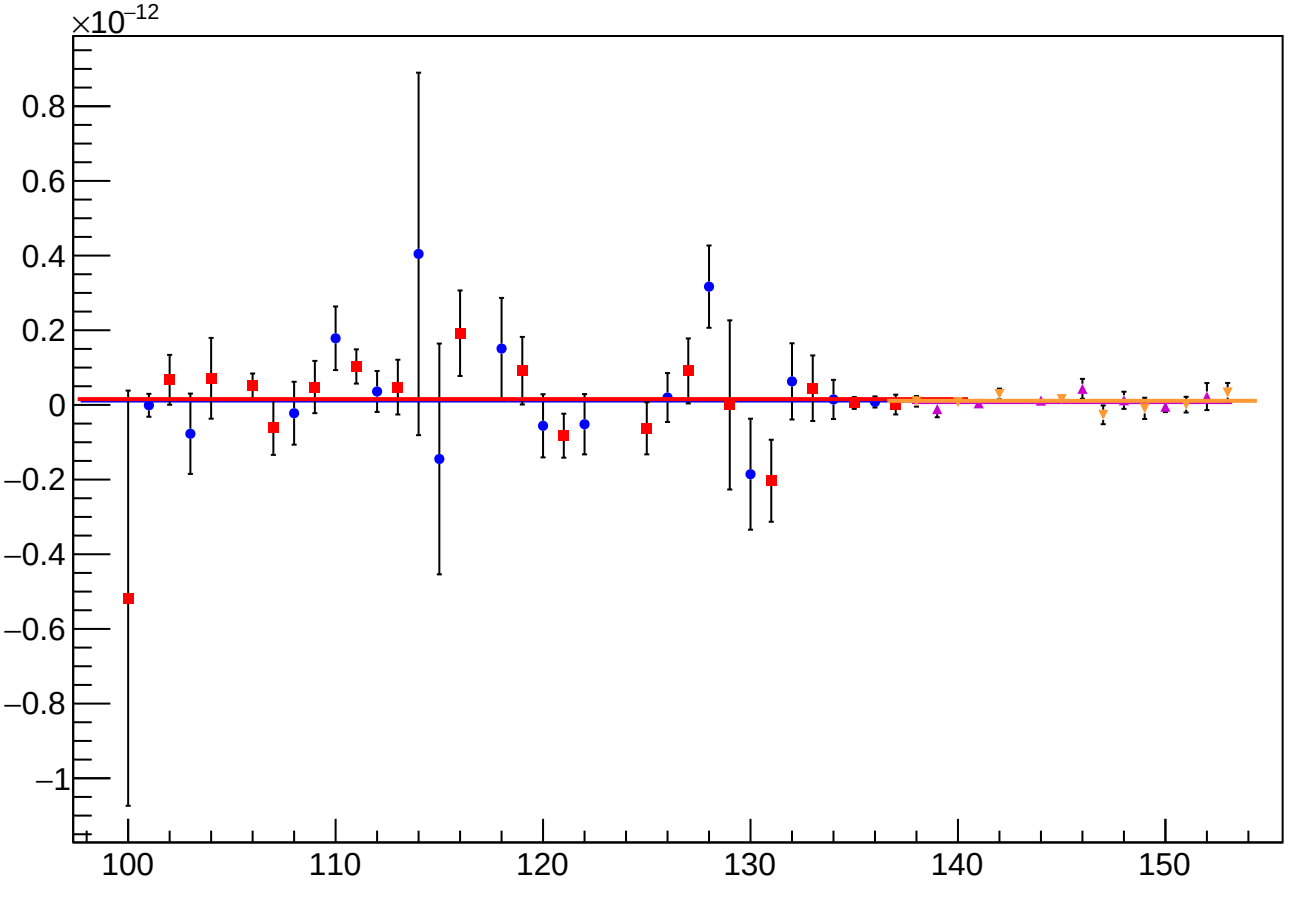
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1831.955+/-0.523 χ^2/NDF:11920.3/6

+ sign 1937.241+/-0.381 χ^2/NDF: 1038185.9/23

All: 1944.381+/-0.270 χ^2/NDF: 1844876.1/48

- sign 1951.589+/-0.383 χ^2/NDF: 805984.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/7

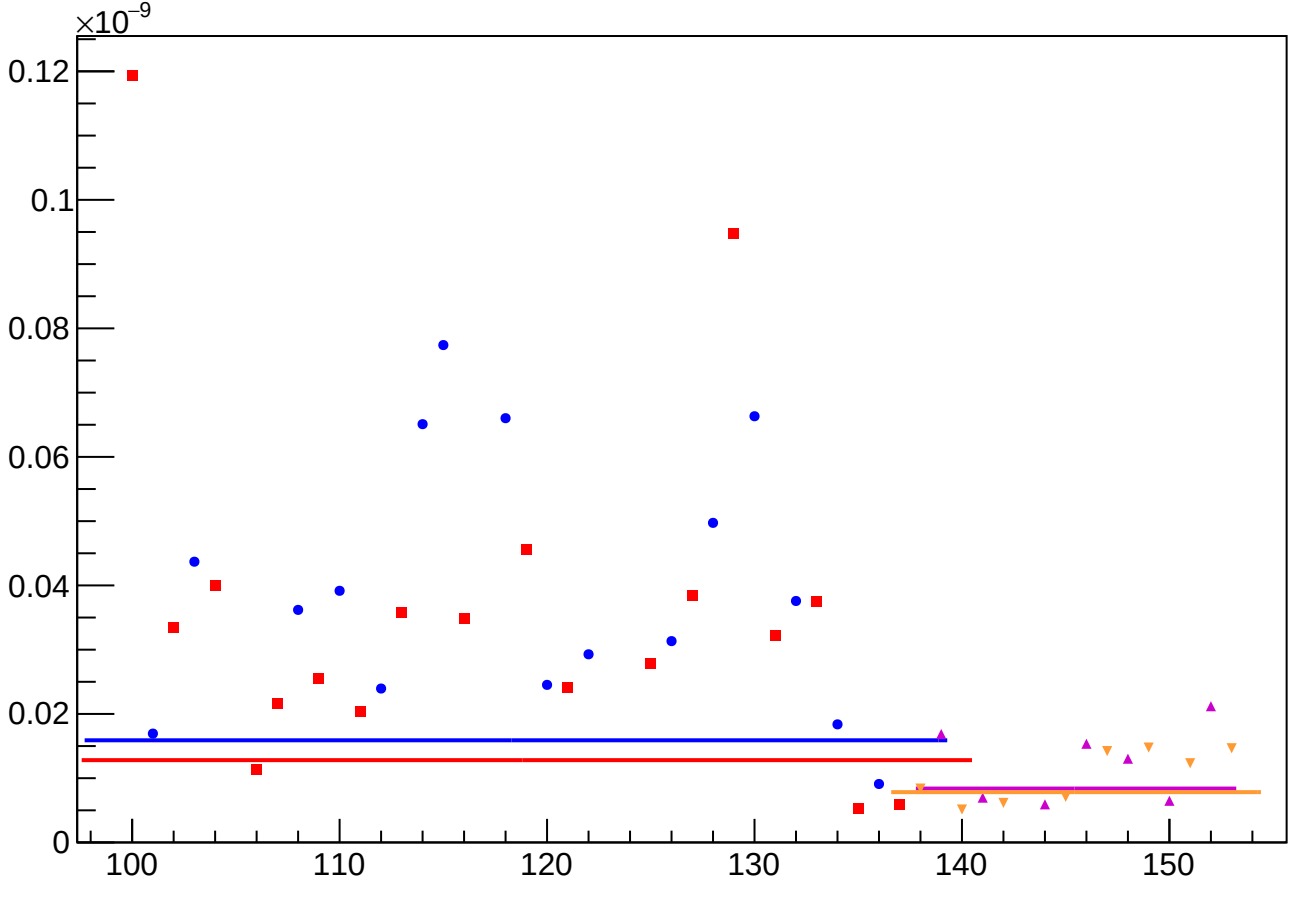
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 23.6/23

All: 0.000+/-0.000 χ^2/NDF: 48.5/48

- sign 0.000+/-0.000 χ^2/NDF: 24.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:677205.0/7

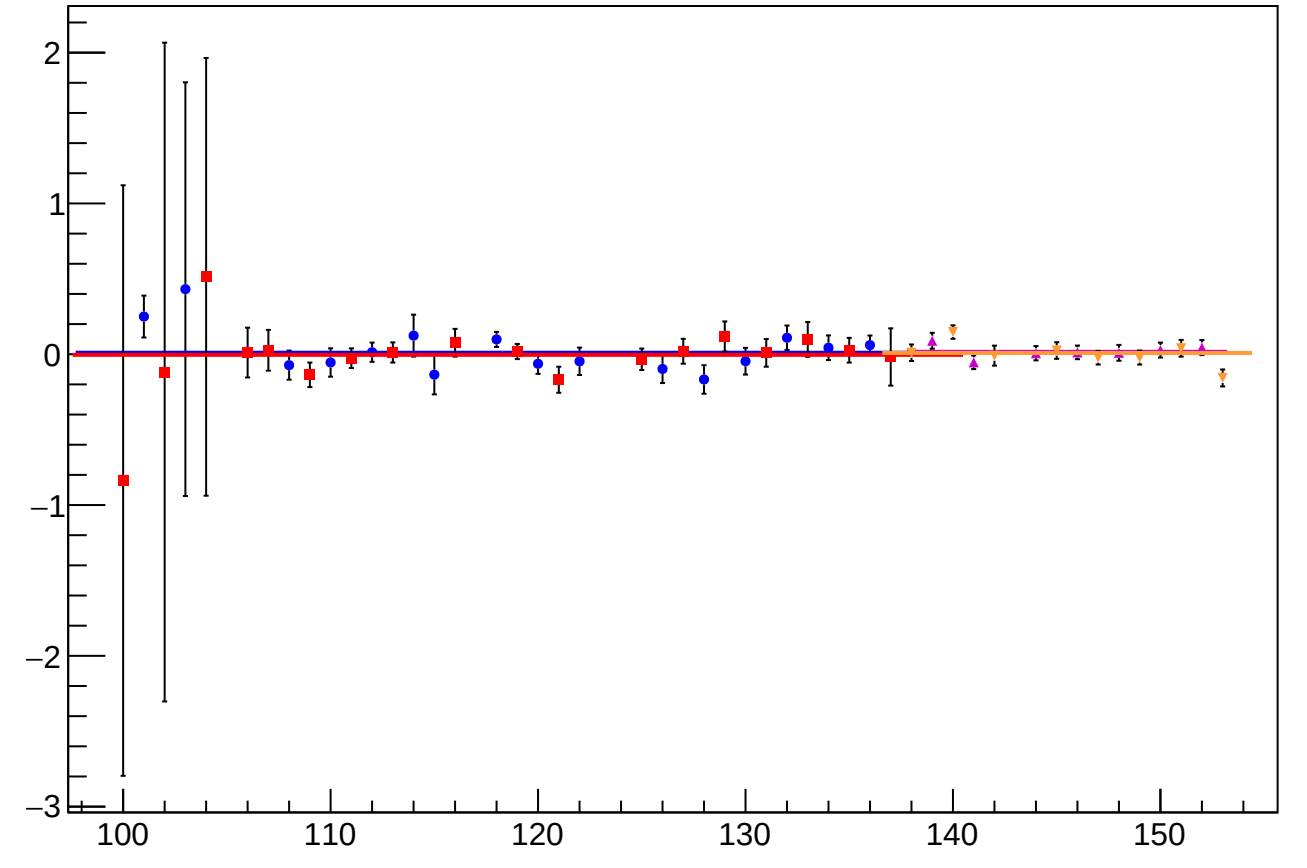
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:968302.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3408545.1/23

All: 0.000+/-0.000 χ^2/NDF: 7125683.1/48

- sign 0.000+/-0.000 χ^2/NDF: 3716370.1/24



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.008+/-0.018 χ^2/NDF:19.7/7

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

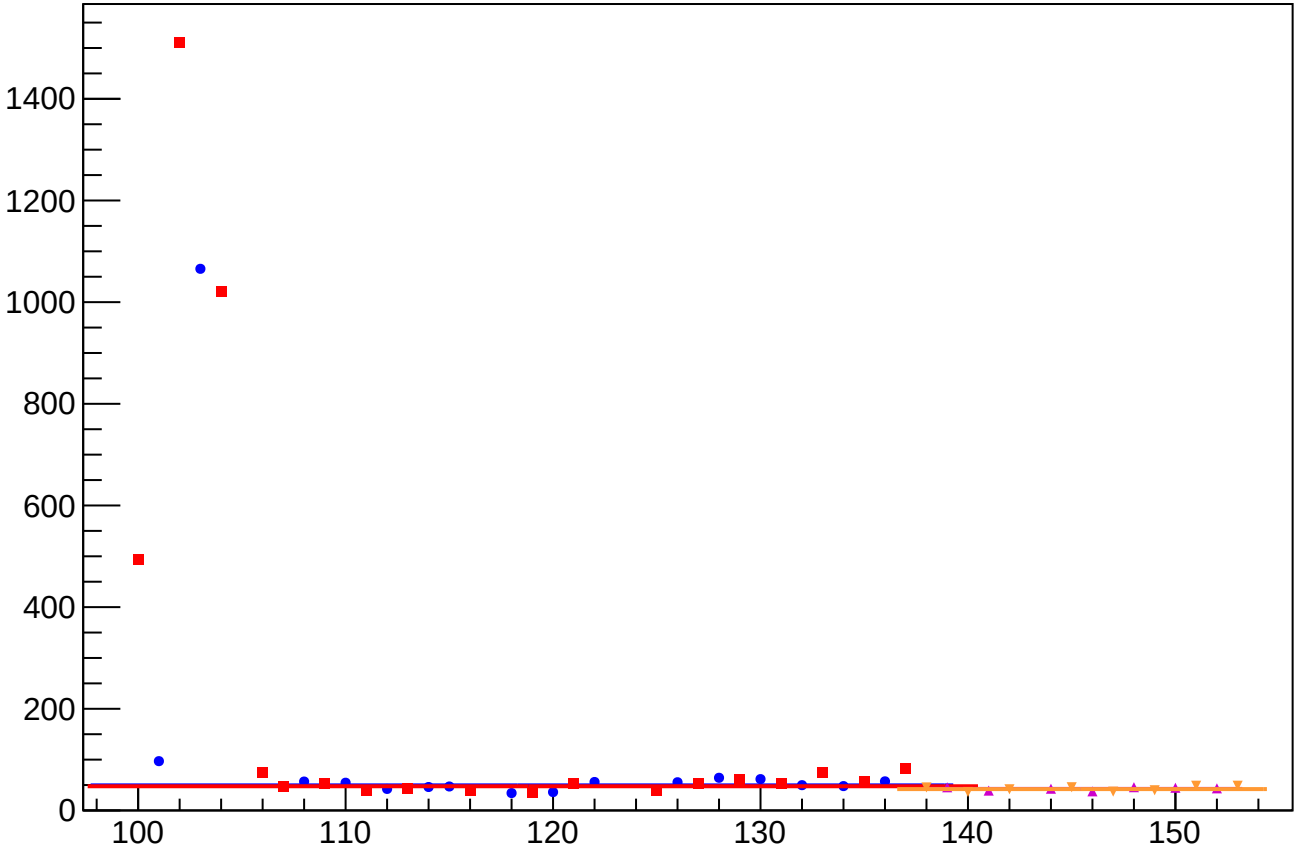
Left In: 0.016+/-0.018 χ^2/NDF:4.7/6

+ sign 0.009+/-0.014 χ^2/NDF: 38.2/23

All: 0.008+/-0.010 χ^2/NDF: 53.9/48

- sign 0.008+/-0.014 χ^2/NDF: 15.7/24

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.039+/-0.013 χ^2/NDF:133134.6/7

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

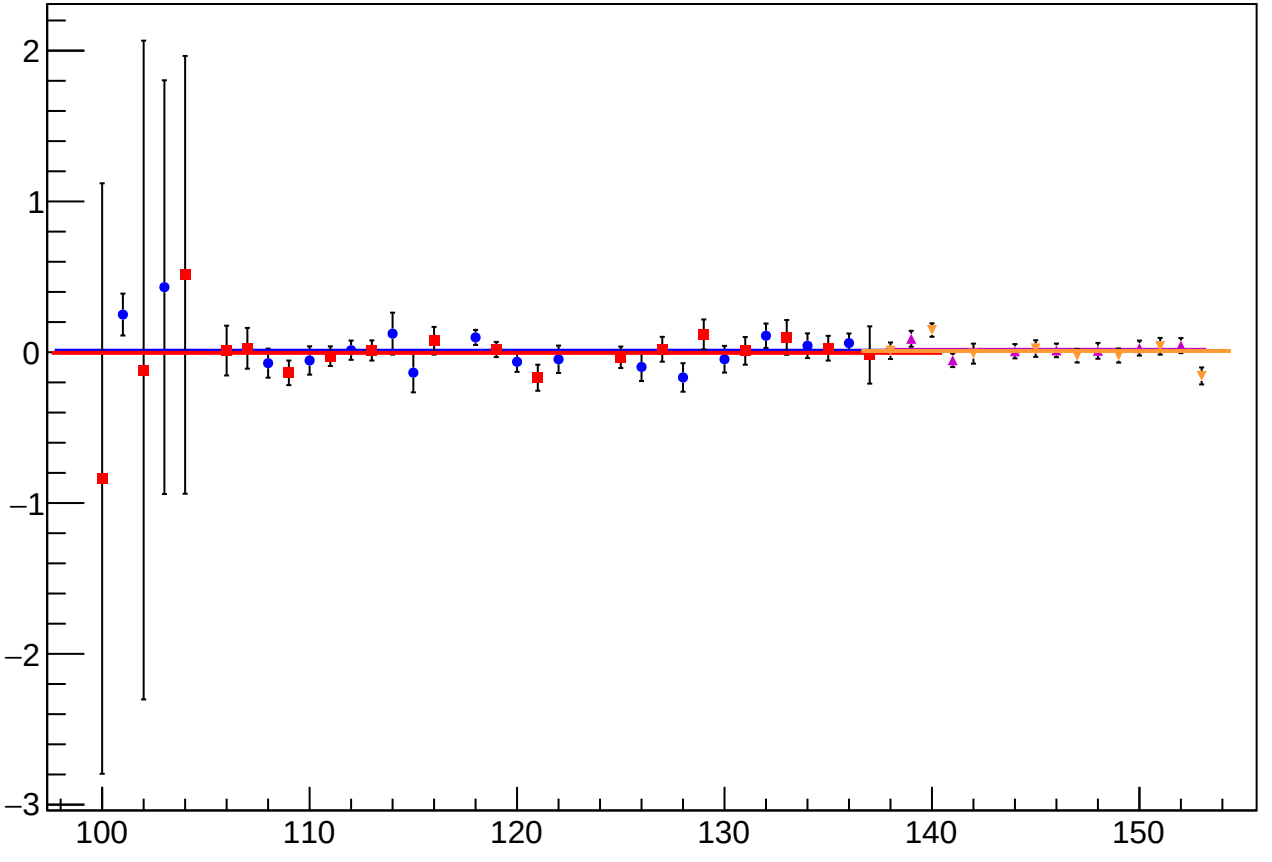
Left In: 42.377+/-0.013 χ^2/NDF:54198.5/6

+ sign 45.195+/-0.010 χ^2/NDF: 2047572.8/23

All: 44.895+/-0.007 χ^2/NDF: 4590058.2/48

- sign 44.586+/-0.010 χ^2/NDF: 2540560.0/24

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.008+/-0.018 χ^2/NDF:19.7/7

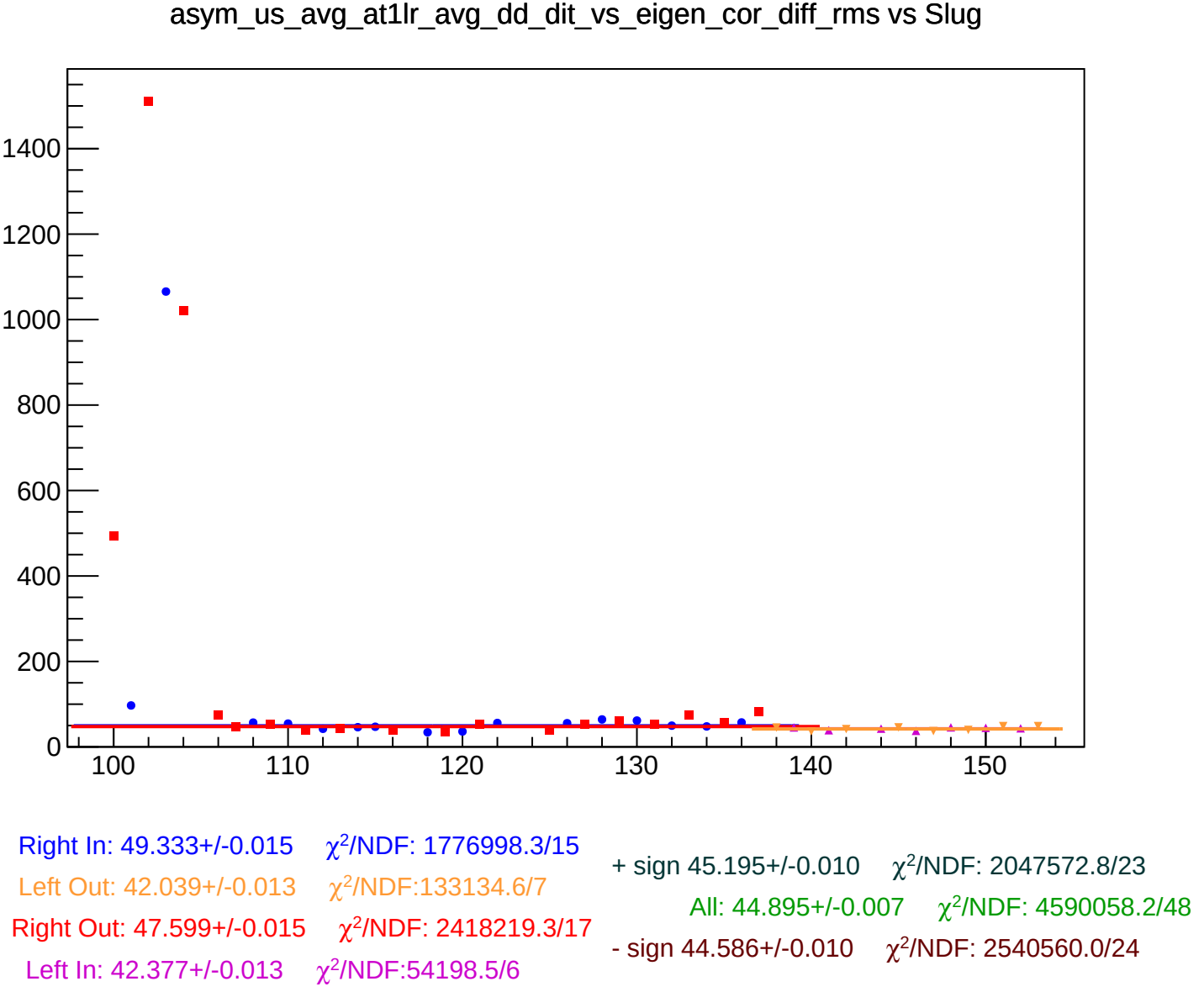
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.016+/-0.018 χ^2/NDF:4.7/6

+ sign 0.009+/-0.014 χ^2/NDF: 38.2/23

All: 0.008+/-0.010 χ^2/NDF: 53.9/48

- sign 0.008+/-0.014 χ^2/NDF: 15.7/24


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
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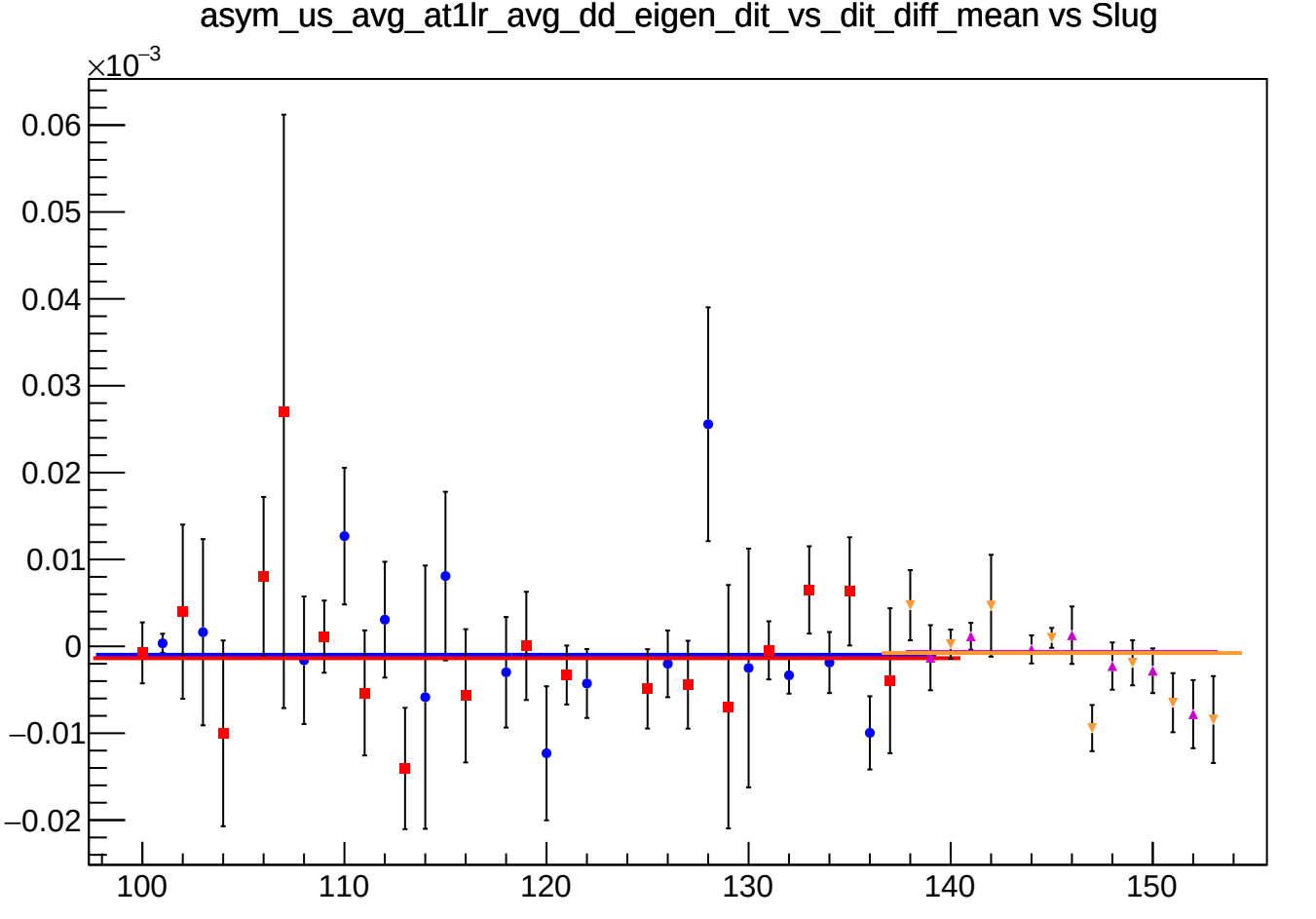
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 42.039+/-0.013 χ²/NDF:133134.6/7
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 42.377+/-0.013 χ²/NDF:54198.5/6
+ sign 45.195+/-0.010 χ²/NDF: 2047572.8/23
All: 44.895+/-0.007 χ²/NDF: 4590058.2/48
- sign 44.586+/-0.010 χ²/NDF: 2540560.0/24



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/7

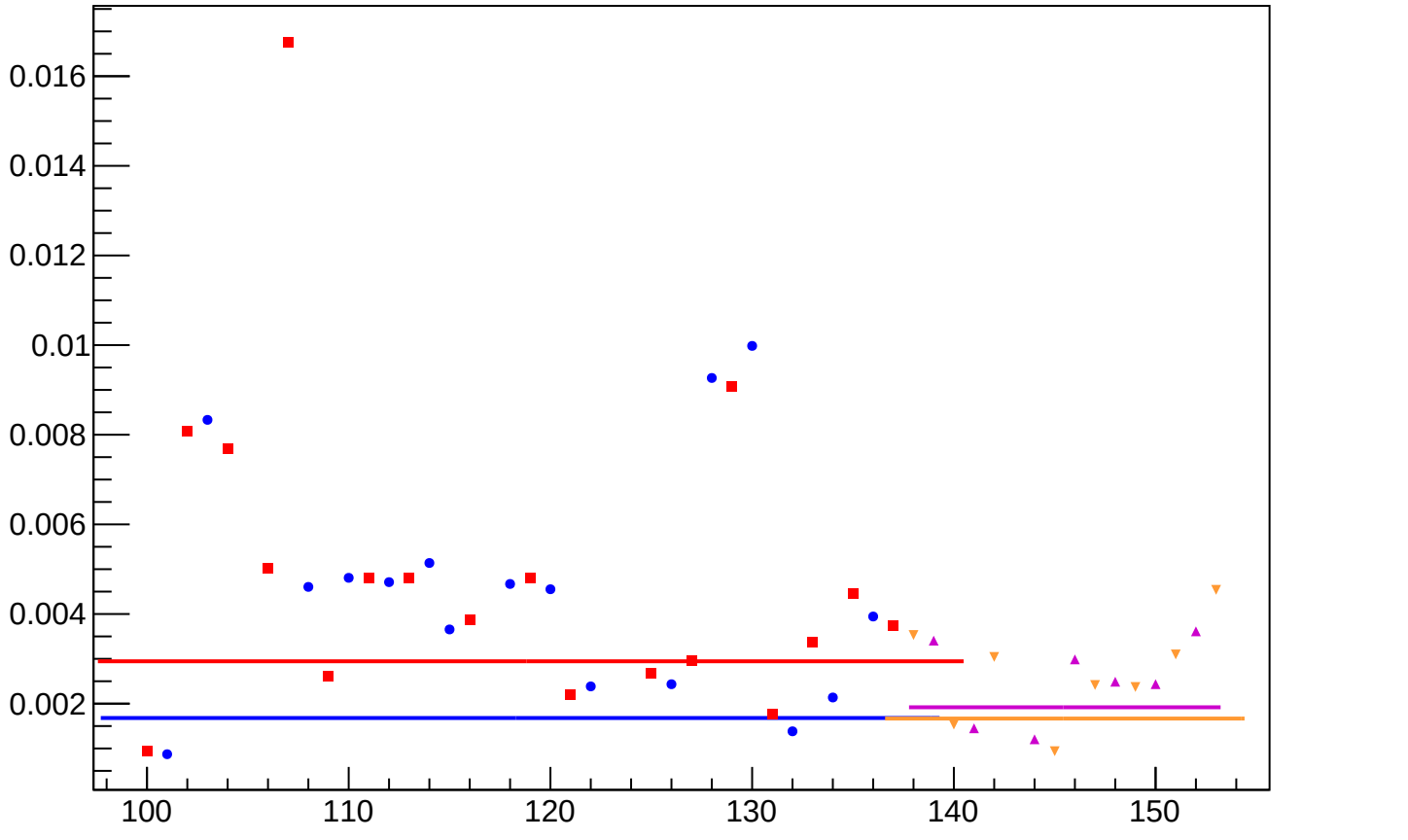
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:6.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 40.0/23

All: -0.000+/-0.000 χ^2/NDF: 59.0/48

- sign -0.000+/-0.000 χ^2/NDF: 19.0/24



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:2676121.8/7

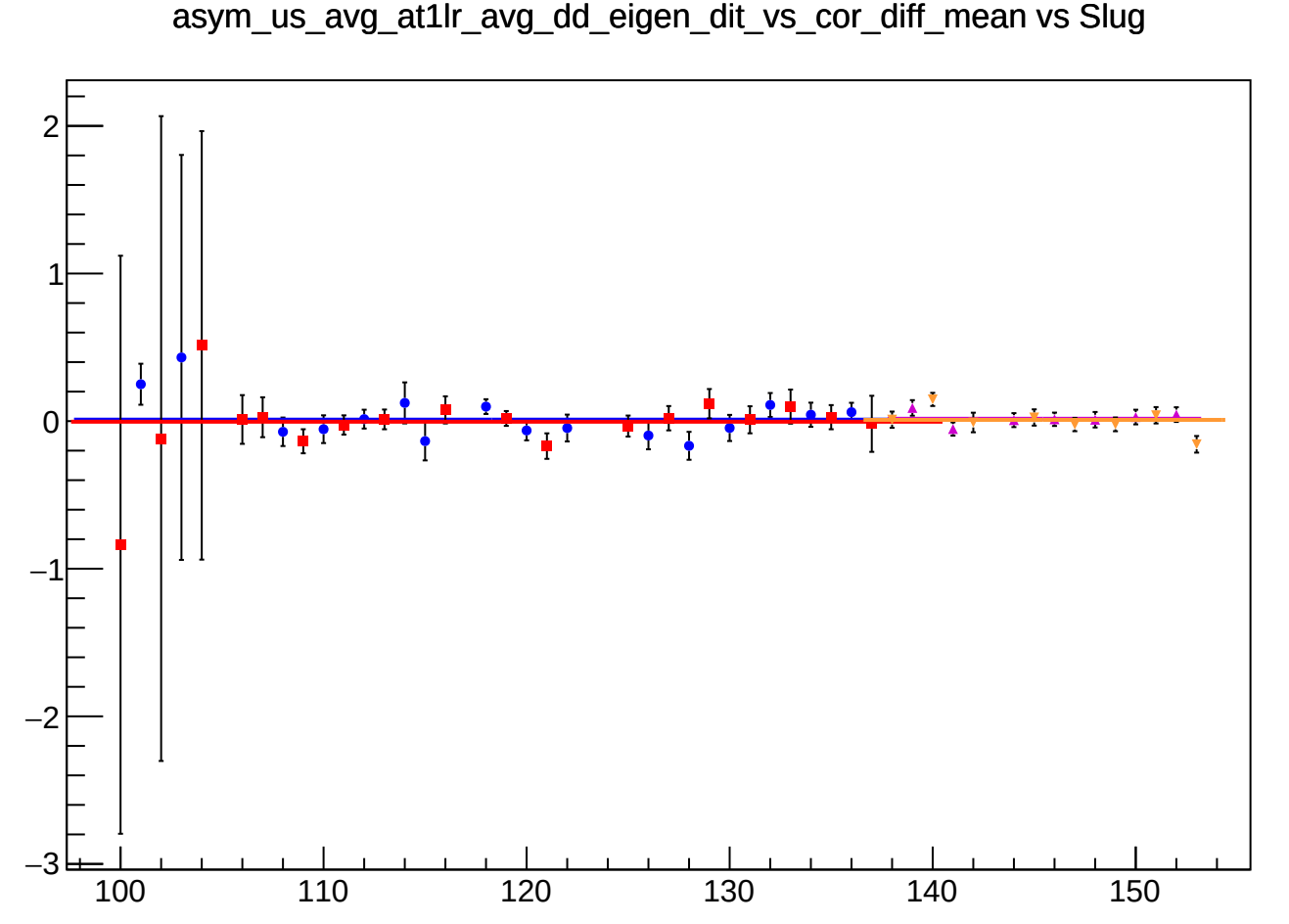
Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:1640372.8/6

+ sign 0.002+/-0.000 χ^2/NDF: 8636589.8/23

All: 0.002+/-0.000 χ^2/NDF: 15287323.5/48

- sign 0.002+/-0.000 χ^2/NDF: 5889751.2/24



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.008+/-0.018 χ^2/NDF:19.7/7

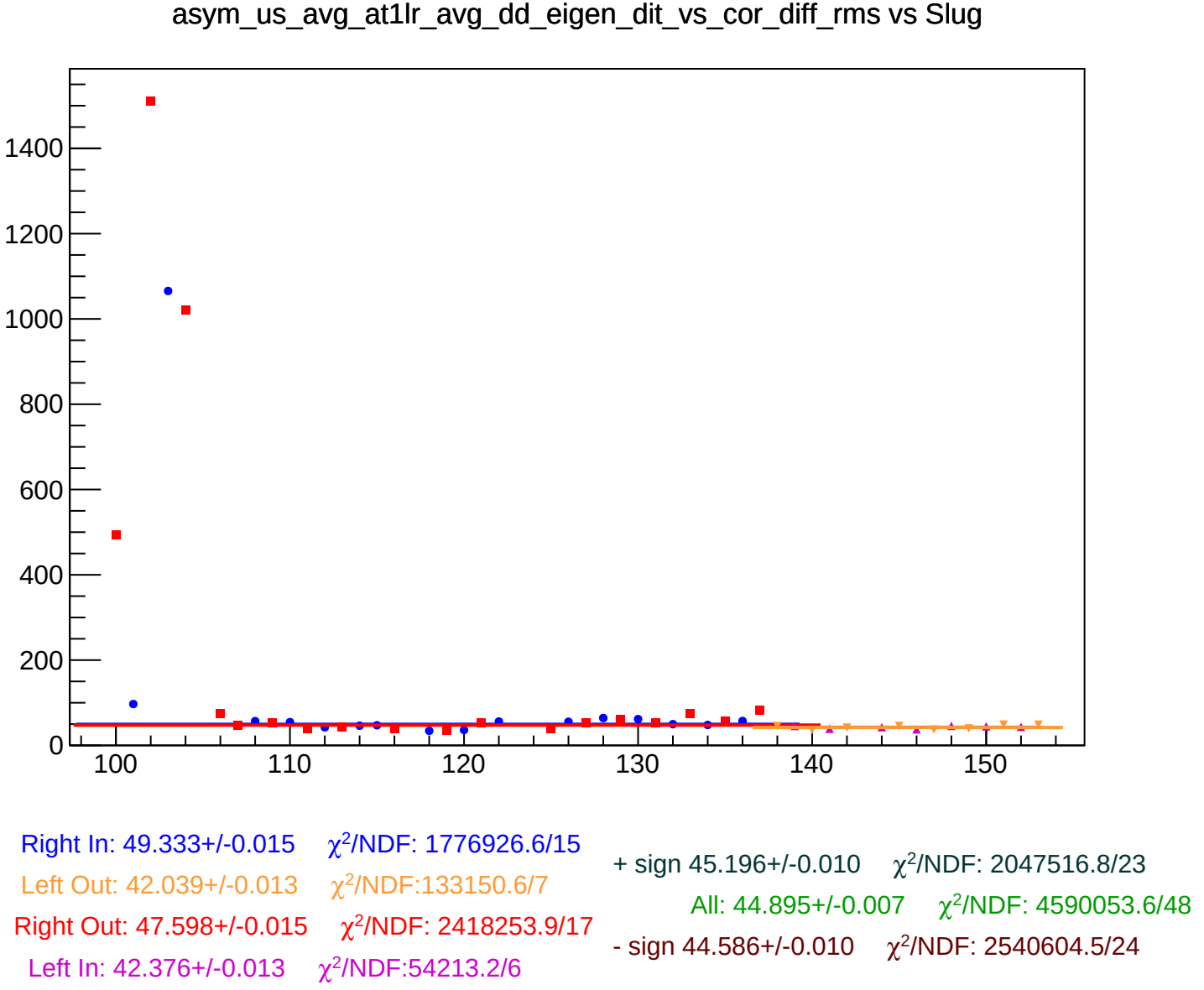
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.016+/-0.018 χ^2/NDF:4.7/6

+ sign 0.009+/-0.014 χ^2/NDF: 38.2/23

All: 0.008+/-0.010 χ^2/NDF: 53.9/48

- sign 0.008+/-0.014 χ^2/NDF: 15.7/24


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
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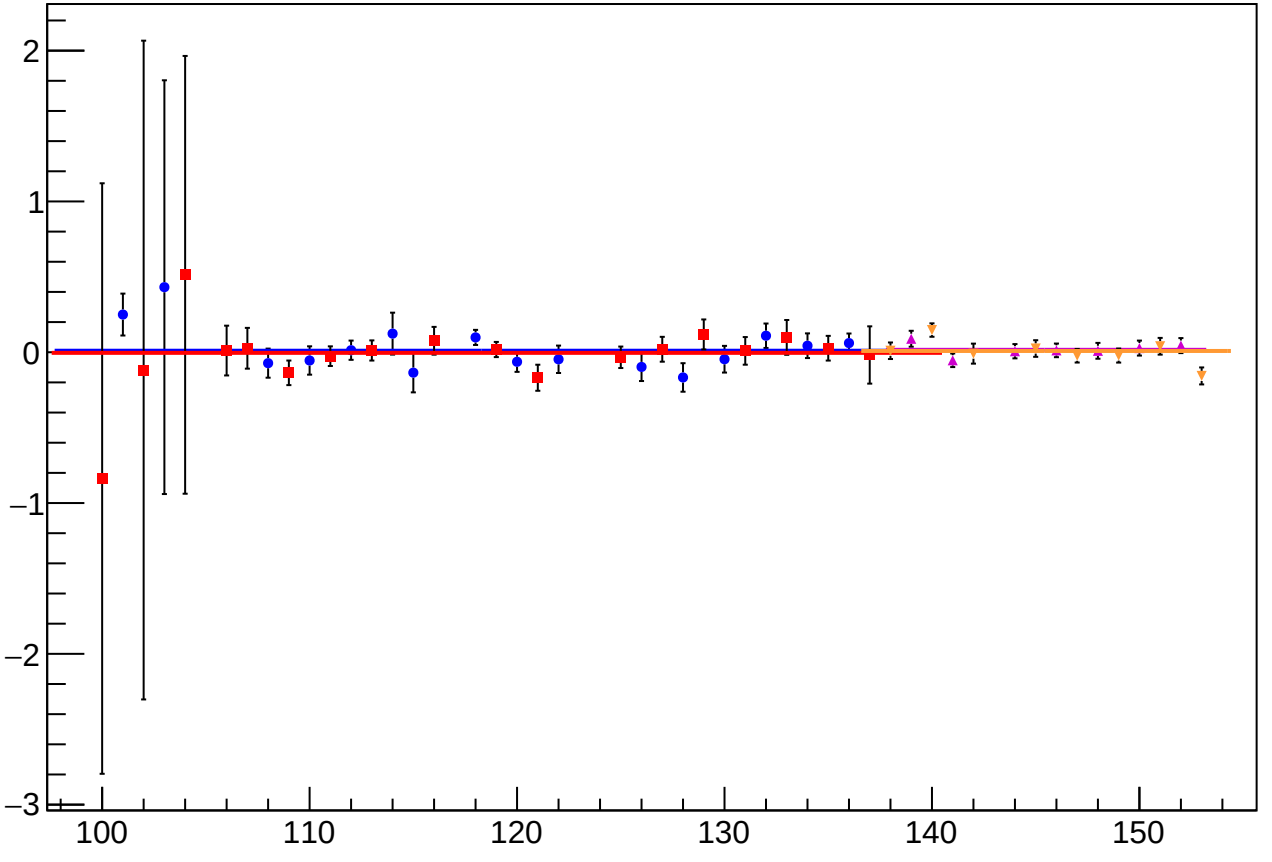
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.039+/-0.013 χ²/NDF:133150.6/7
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 42.376+/-0.013 χ²/NDF:54213.2/6
+ sign 45.196+/-0.010 χ²/NDF: 2047516.8/23
All: 44.895+/-0.007 χ²/NDF: 4590053.6/48
- sign 44.586+/-0.010 χ²/NDF: 2540604.5/24

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.008+/-0.018 χ^2/NDF:19.7/7

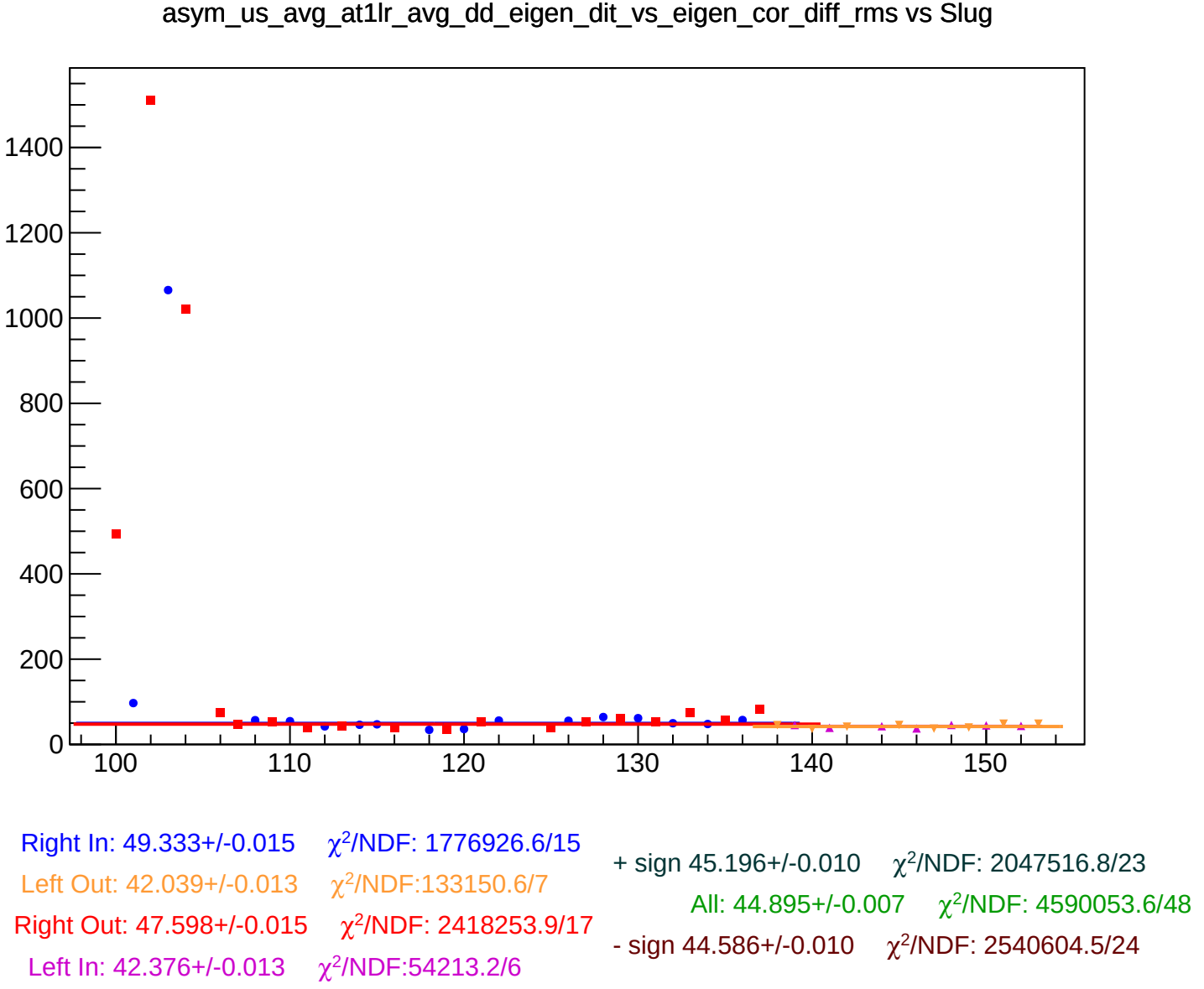
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.016+/-0.018 χ^2/NDF:4.7/6

+ sign 0.009+/-0.014 χ^2/NDF: 38.2/23

All: 0.008+/-0.010 χ^2/NDF: 53.9/48

- sign 0.008+/-0.014 χ^2/NDF: 15.7/24


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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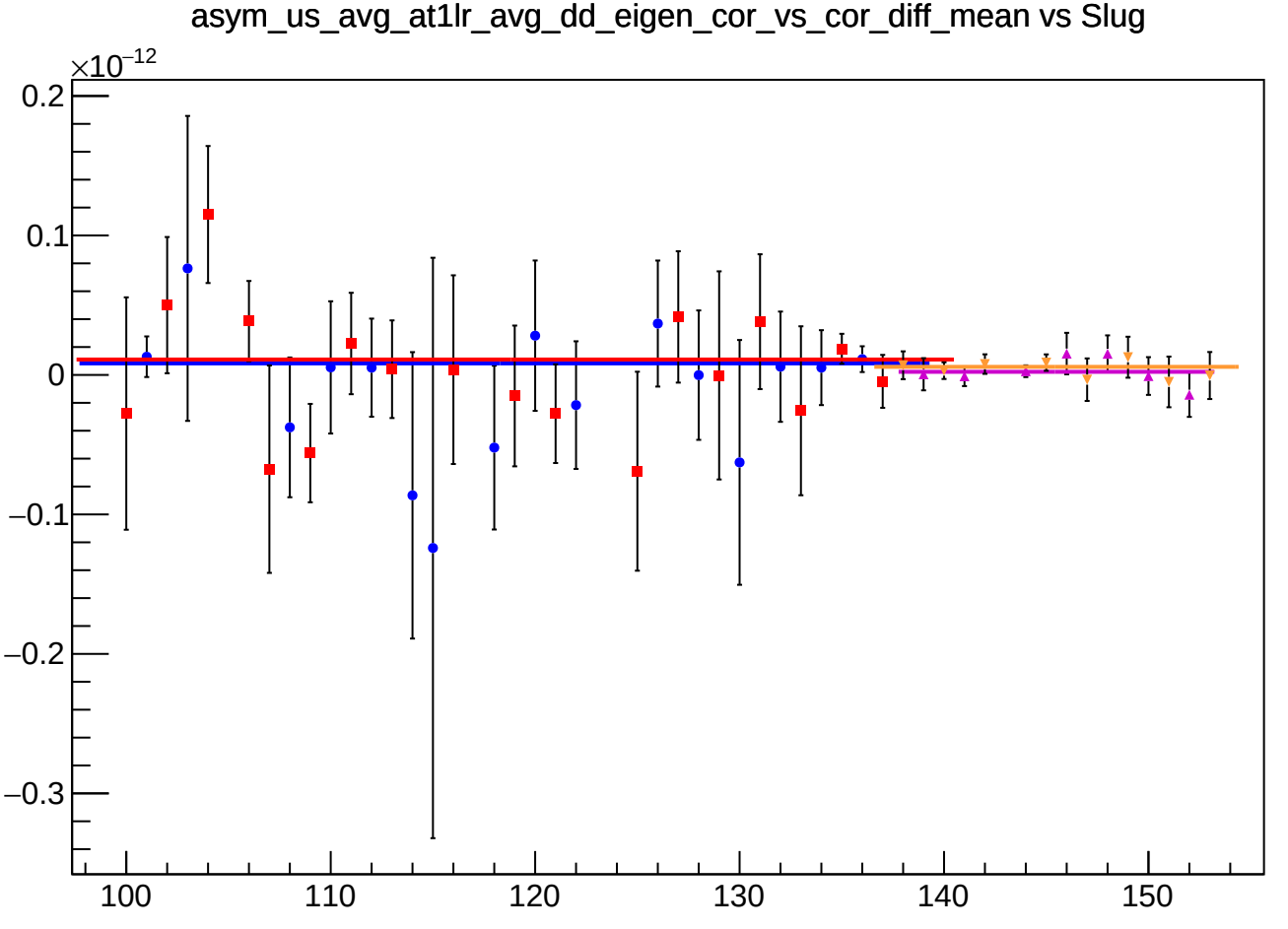
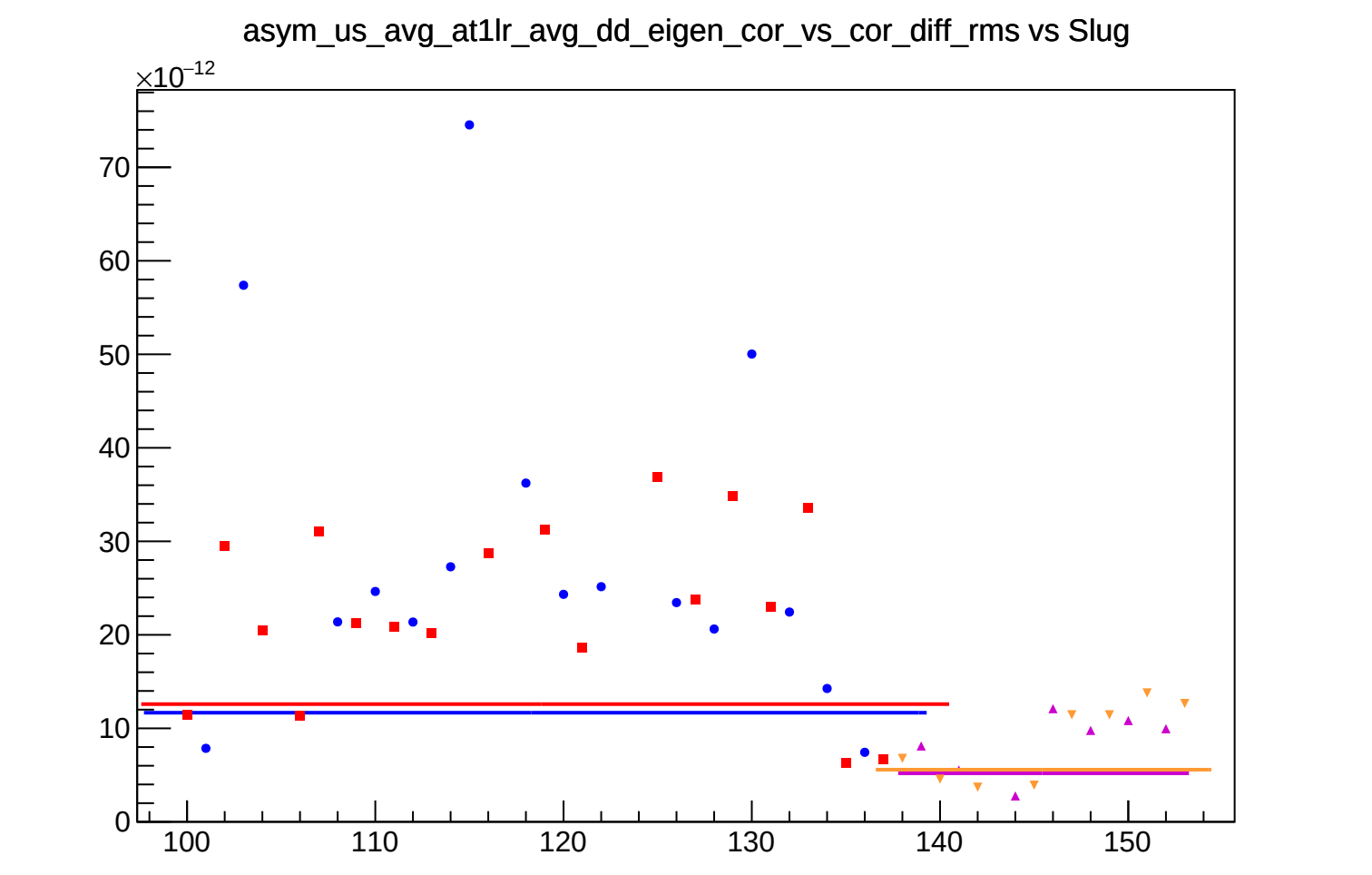
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.039+/-0.013 χ²/NDF:133150.6/7
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 42.376+/-0.013 χ²/NDF:54213.2/6
+ sign 45.196+/-0.010 χ²/NDF: 2047516.8/23
All: 44.895+/-0.007 χ²/NDF: 4590053.6/48
- sign 44.586+/-0.010 χ²/NDF: 2540604.5/24


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 16.2/17
Left In: 0.000+/-0.000 χ²/NDF:3.1/6
+ sign 0.000+/-0.000 χ²/NDF: 7.2/23
All: 0.000+/-0.000 χ²/NDF: 28.2/48
- sign 0.000+/-0.000 χ²/NDF: 20.5/24



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1763997.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

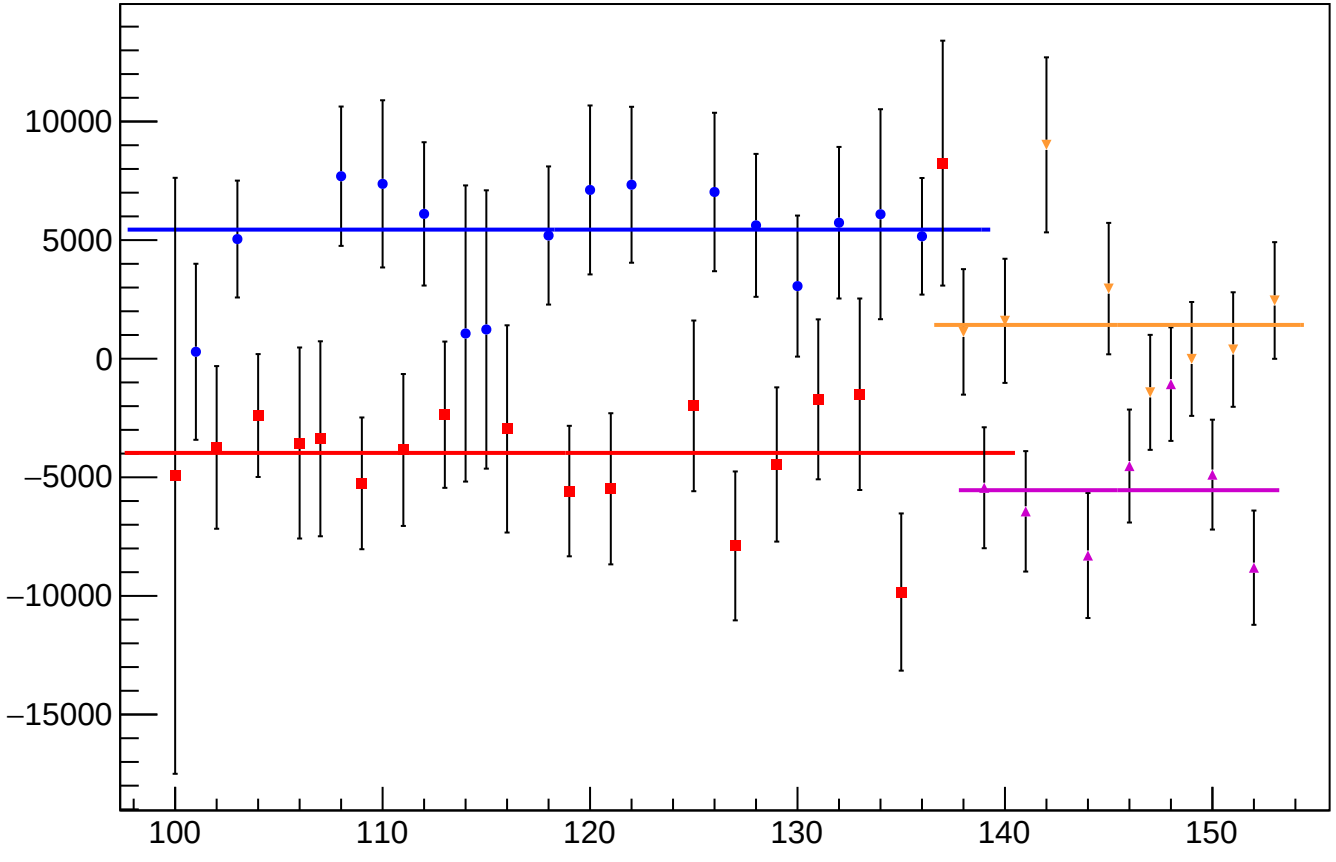
Left In: 0.000+/-0.000 χ^2/NDF:1996914.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 6039216.5/23

All: 0.000+/-0.000 χ^2/NDF: 12744545.5/48

- sign 0.000+/-0.000 χ^2/NDF: 6691564.0/24

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1424.345+/-923.208 χ^2/NDF:6.6/7

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

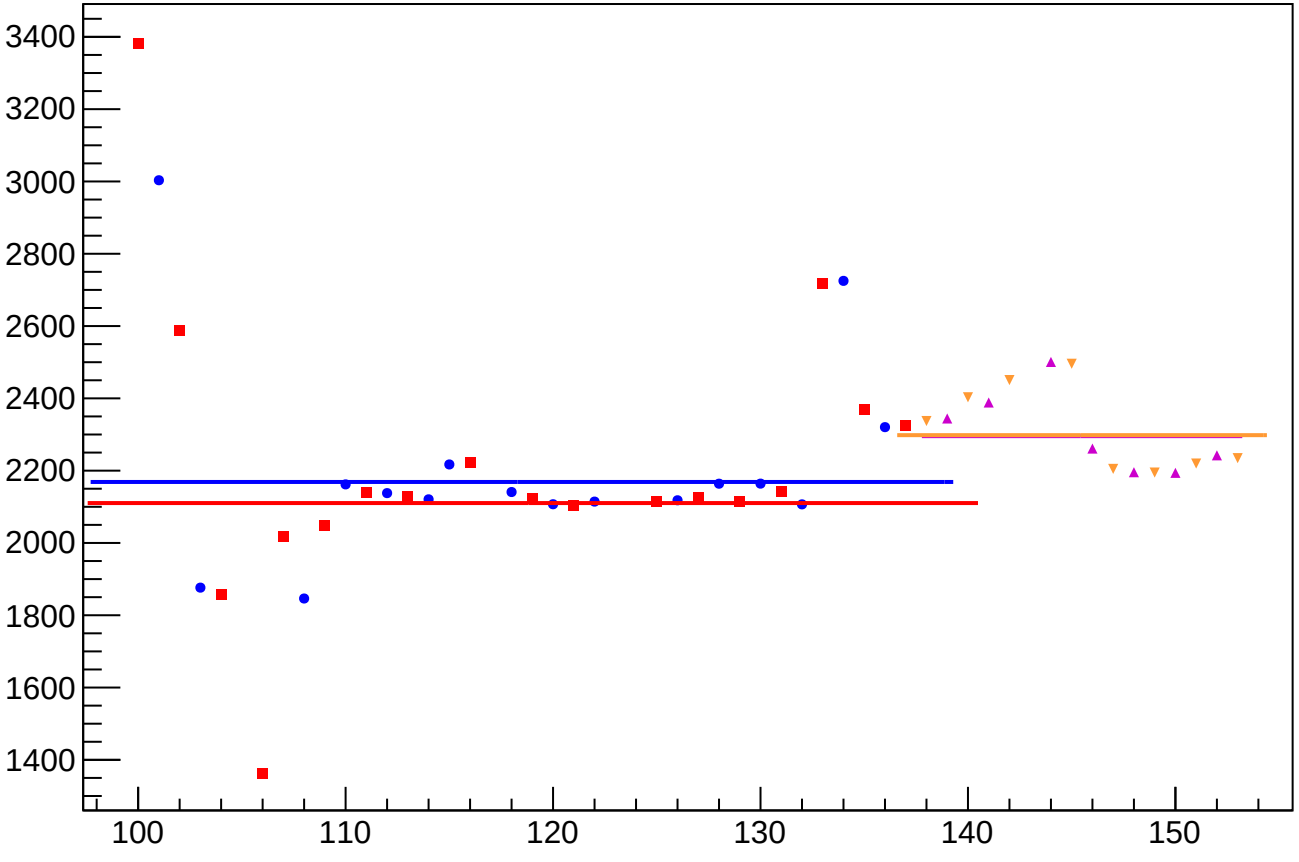
Left In: -5543.281+/-927.458 χ^2/NDF:6.8/6

+ sign 3688.498+/-609.944 χ^2/NDF: 22.7/23

All: -483.054+/-431.197 χ^2/NDF: 137.6/48

- sign -4650.815+/-609.666 χ^2/NDF: 21.4/24

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2298.201+/-0.653 χ^2/NDF:27353.4/7

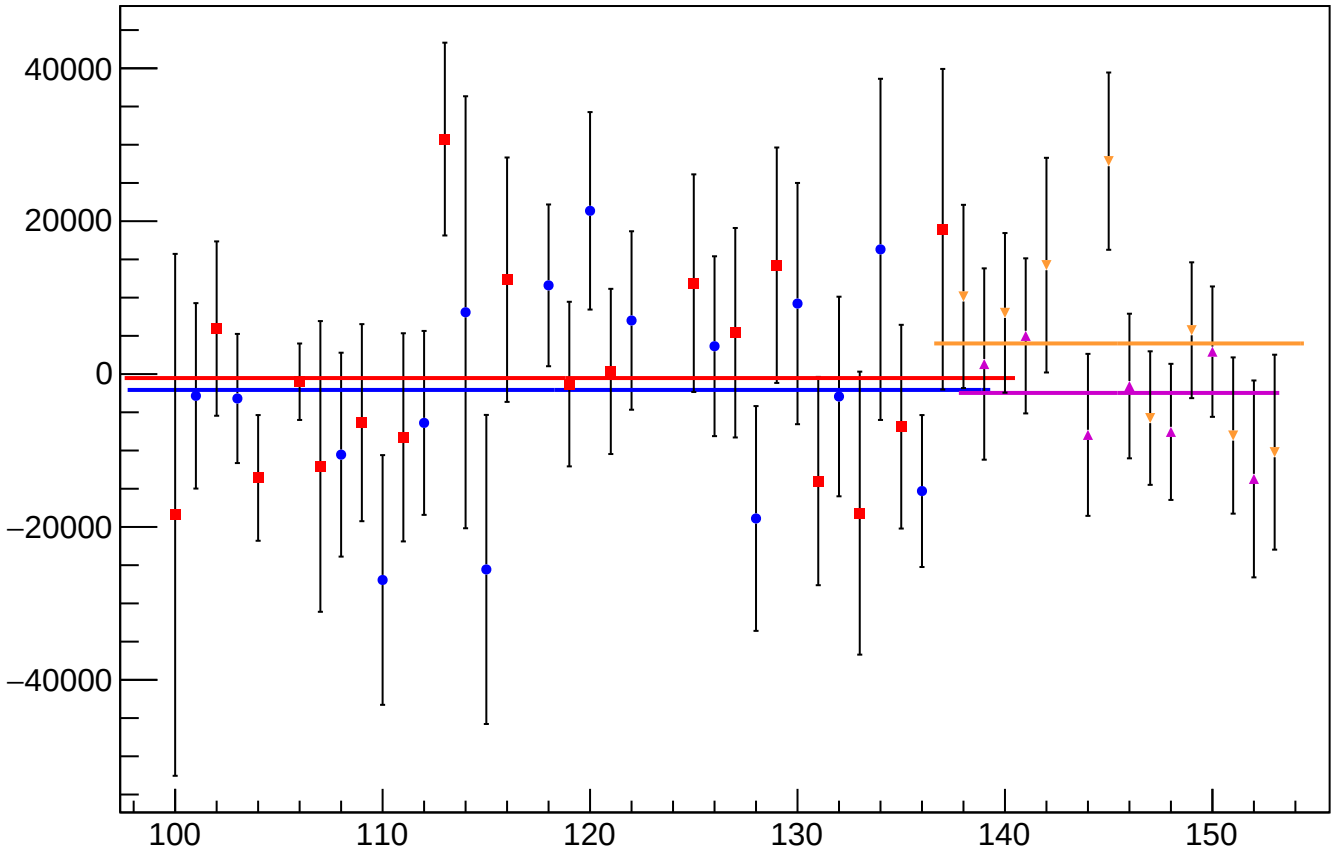
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2295.453+/-0.656 χ^2/NDF:24257.8/6

+ sign 2225.235+/-0.431 χ^2/NDF: 245183.1/23

All: 2206.889+/-0.304 χ^2/NDF: 586297.0/48

- sign 2188.893+/-0.427 χ^2/NDF: 337529.5/24



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 4005.870+/-3775.873 χ^2/NDF:9.1/7

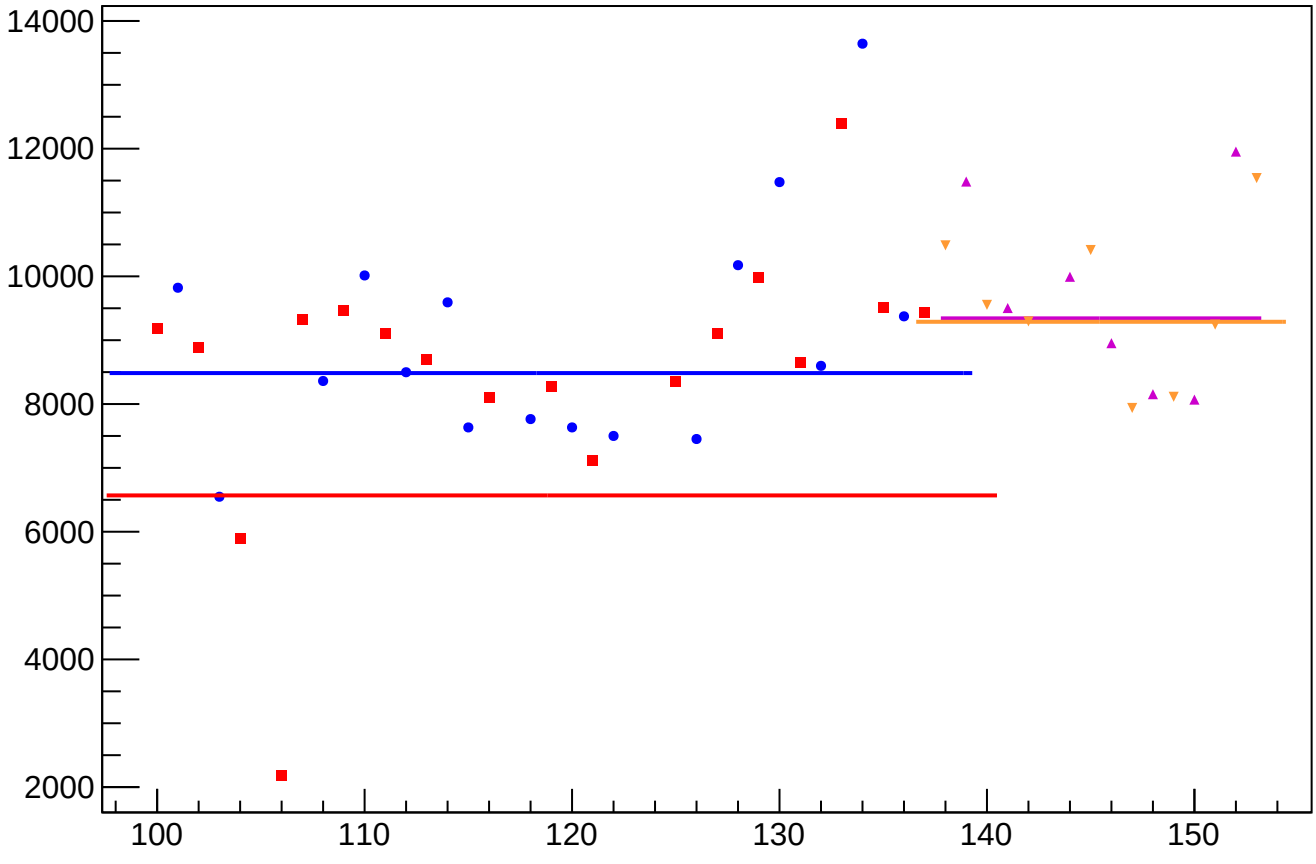
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -2466.234+/-3818.568 χ^2/NDF:2.4/6

\+ sign 478.102+/-2446.588 χ^2/NDF: 25.0/23

All: -430.908+/-1641.228 χ^2/NDF: 43.5/48

\- sign -1174.655+/-2213.038 χ^2/NDF: 18.3/24



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9288.404+/-2.670 χ^2/NDF:185127.5/7

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

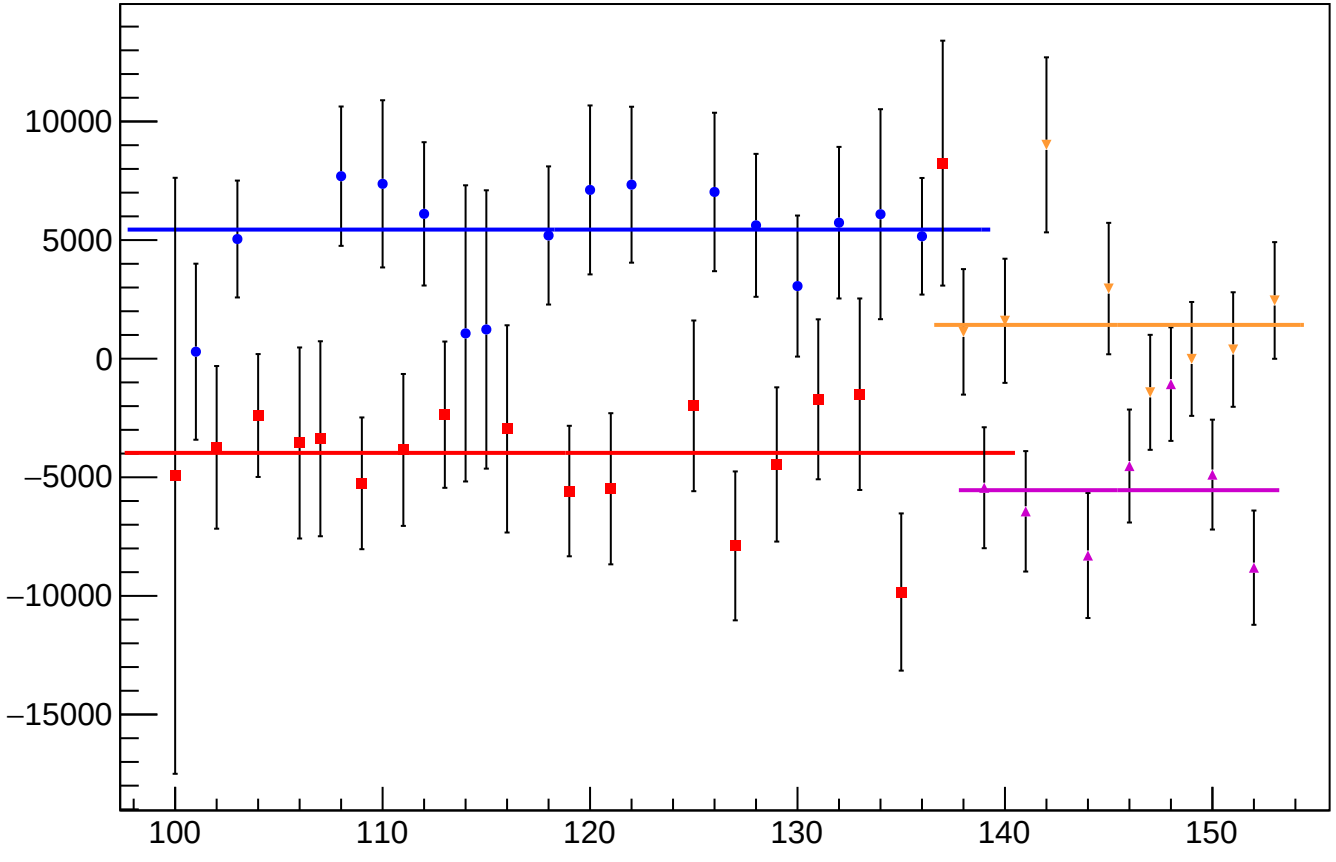
Left In: 9341.872+/-2.700 χ^2/NDF:232496.4/6

+ sign 8822.303+/-1.730 χ^2/NDF: 660363.8/23

All: 8095.121+/-1.161 χ^2/NDF: 4483526.4/48

- sign 7500.144+/-1.565 χ^2/NDF: 3501918.0/24

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1424.234+/-923.208 χ^2/NDF:6.6/7

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

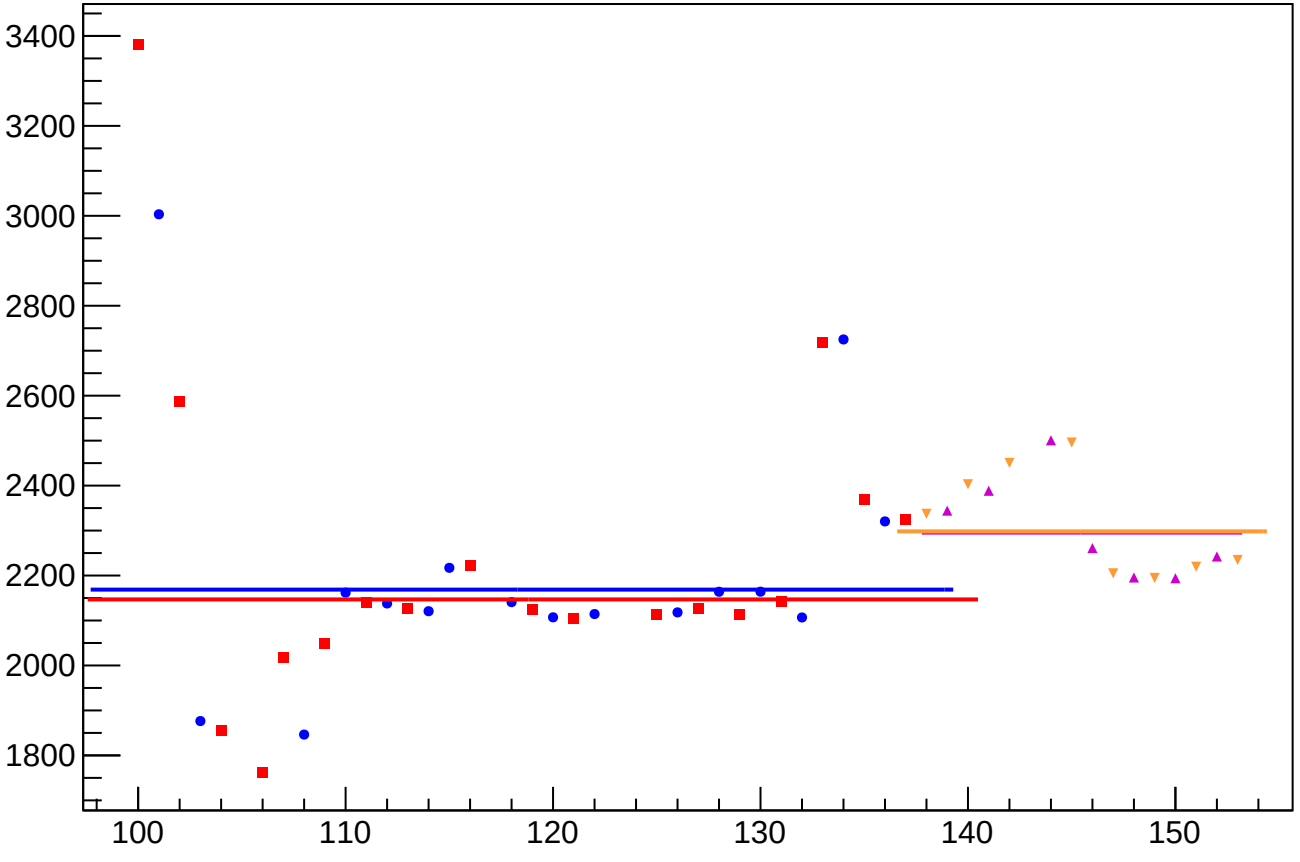
Left In: -5543.531+/-927.458 χ^2/NDF:6.8/6

+ sign 3688.530+/-609.944 χ^2/NDF: 22.7/23

All: -483.019+/-431.197 χ^2/NDF: 137.6/48

- sign -4650.777+/-609.666 χ^2/NDF: 21.4/24

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2298.201+/-0.653 χ^2/NDF:27353.4/7

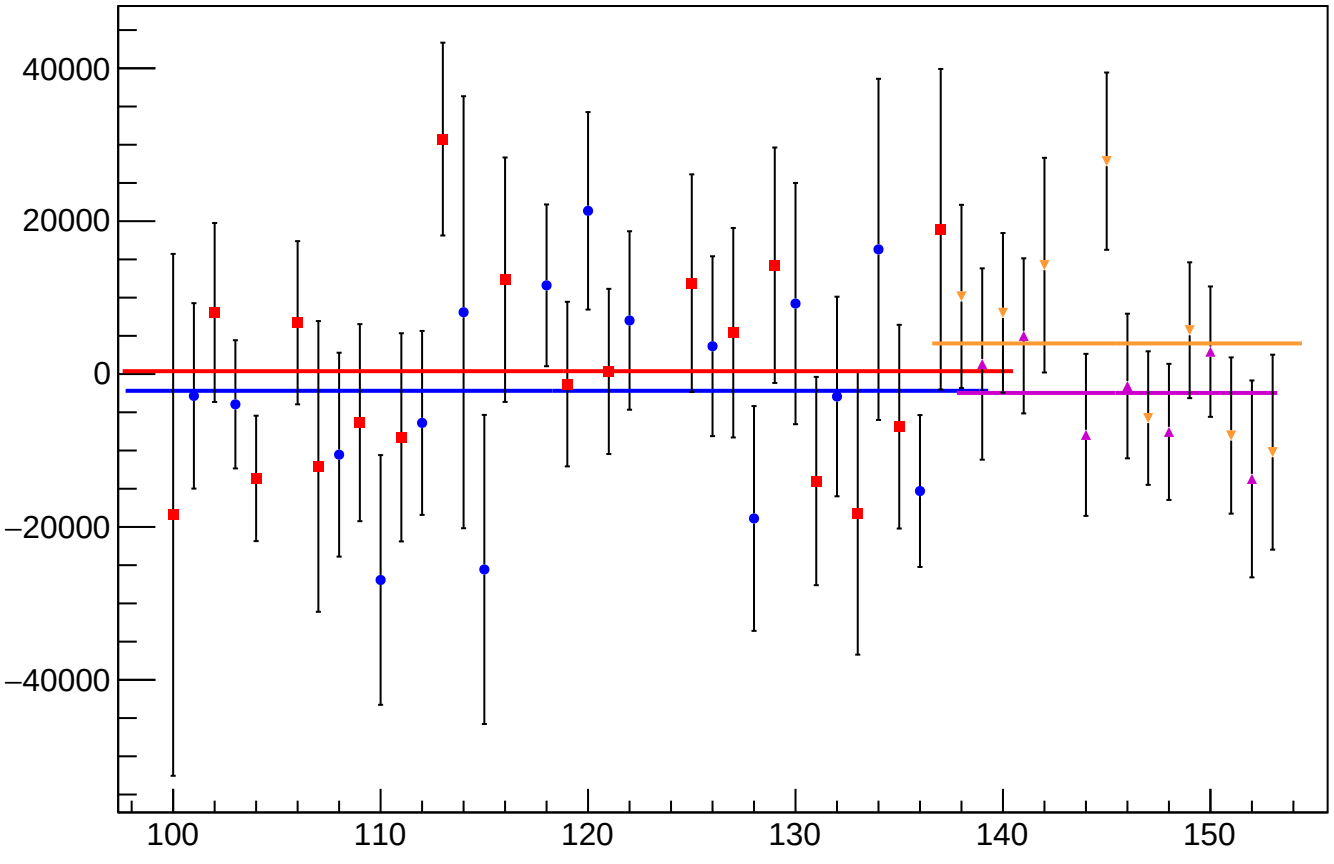
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2295.453+/-0.656 χ^2/NDF:24257.8/6

+ sign 2225.235+/-0.431 χ^2/NDF: 245183.6/23

All: 2217.955+/-0.304 χ^2/NDF: 457028.8/48

- sign 2210.722+/-0.430 χ^2/NDF: 211277.3/24



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 4005.878+/-3775.869 χ^2/NDF:9.1/7

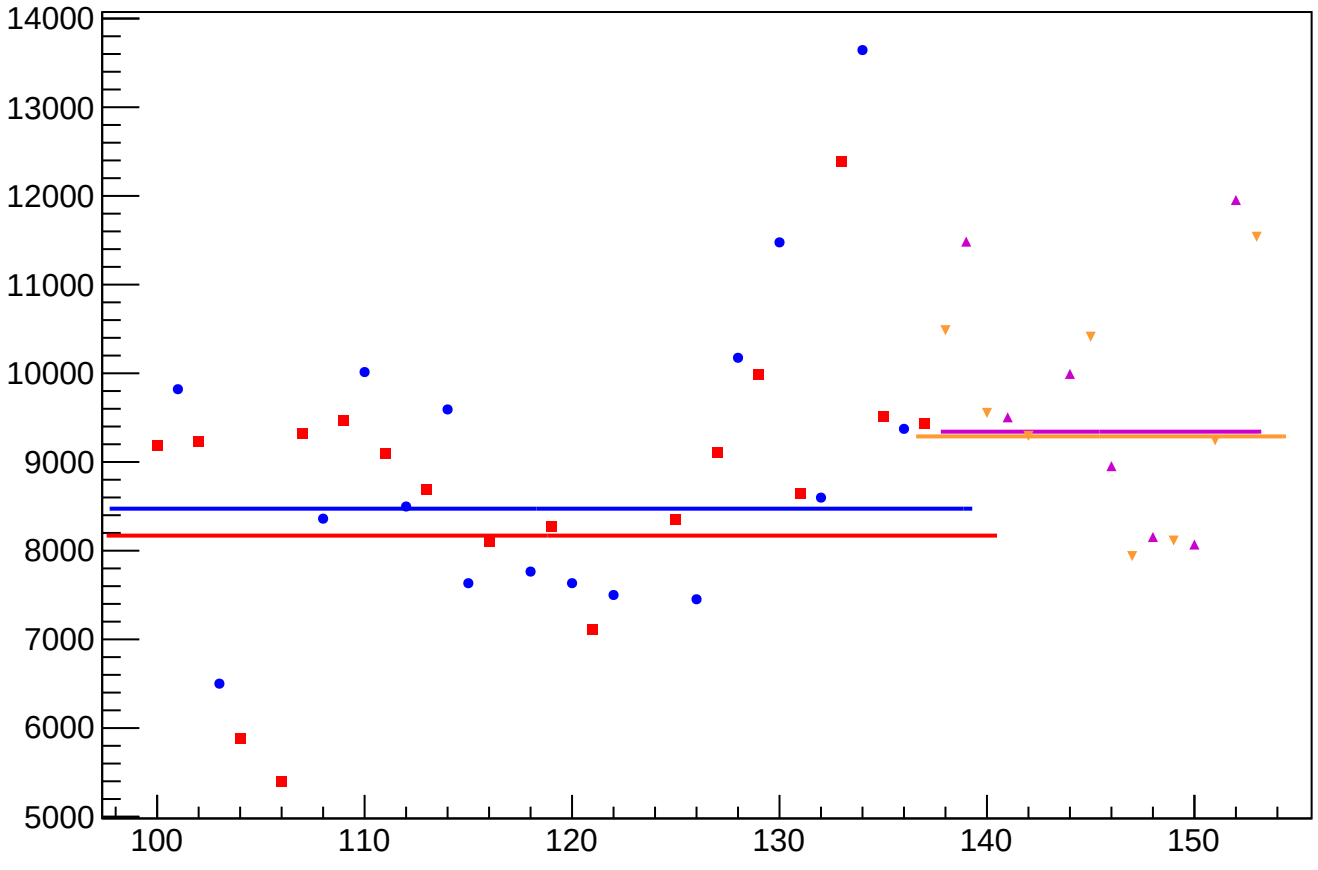
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2466.425+/-3818.566 χ^2/NDF:2.4/6

+ sign 408.376+/-2445.009 χ^2/NDF: 25.1/23

All: -180.548+/-1715.188 χ^2/NDF: 44.3/48

- sign -751.176+/-2406.729 χ^2/NDF: 19.0/24



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9288.395+/-2.670 χ^2/NDF:185129.7/7

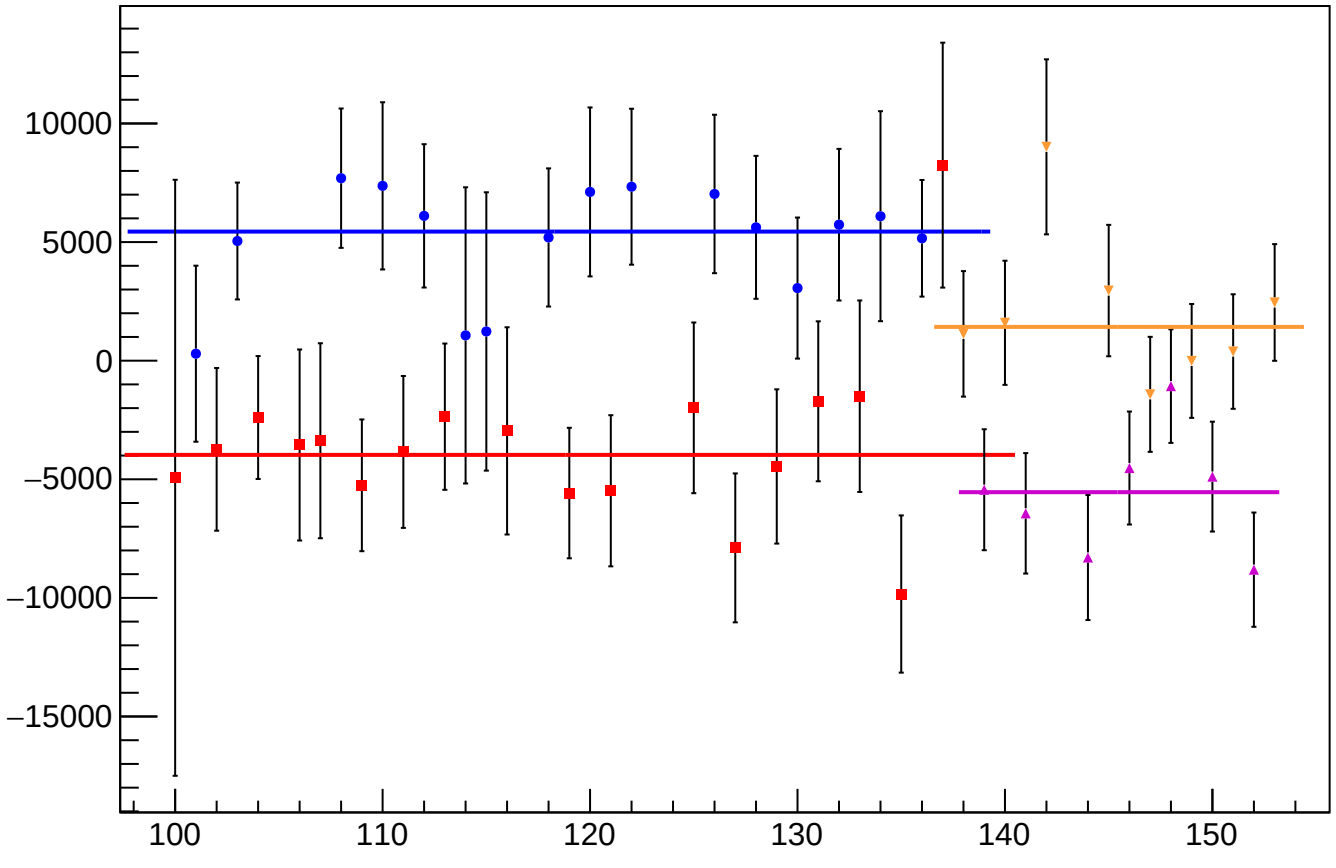
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9341.867+/-2.700 χ^2/NDF:232498.6/6

+ sign 8815.328+/-1.729 χ^2/NDF: 668738.8/23

All: 8724.010+/-1.213 χ^2/NDF: 1560185.9/48

- sign 8635.529+/-1.702 χ^2/NDF: 885954.1/24



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1424.234+/-923.208 χ^2/NDF:6.6/7

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

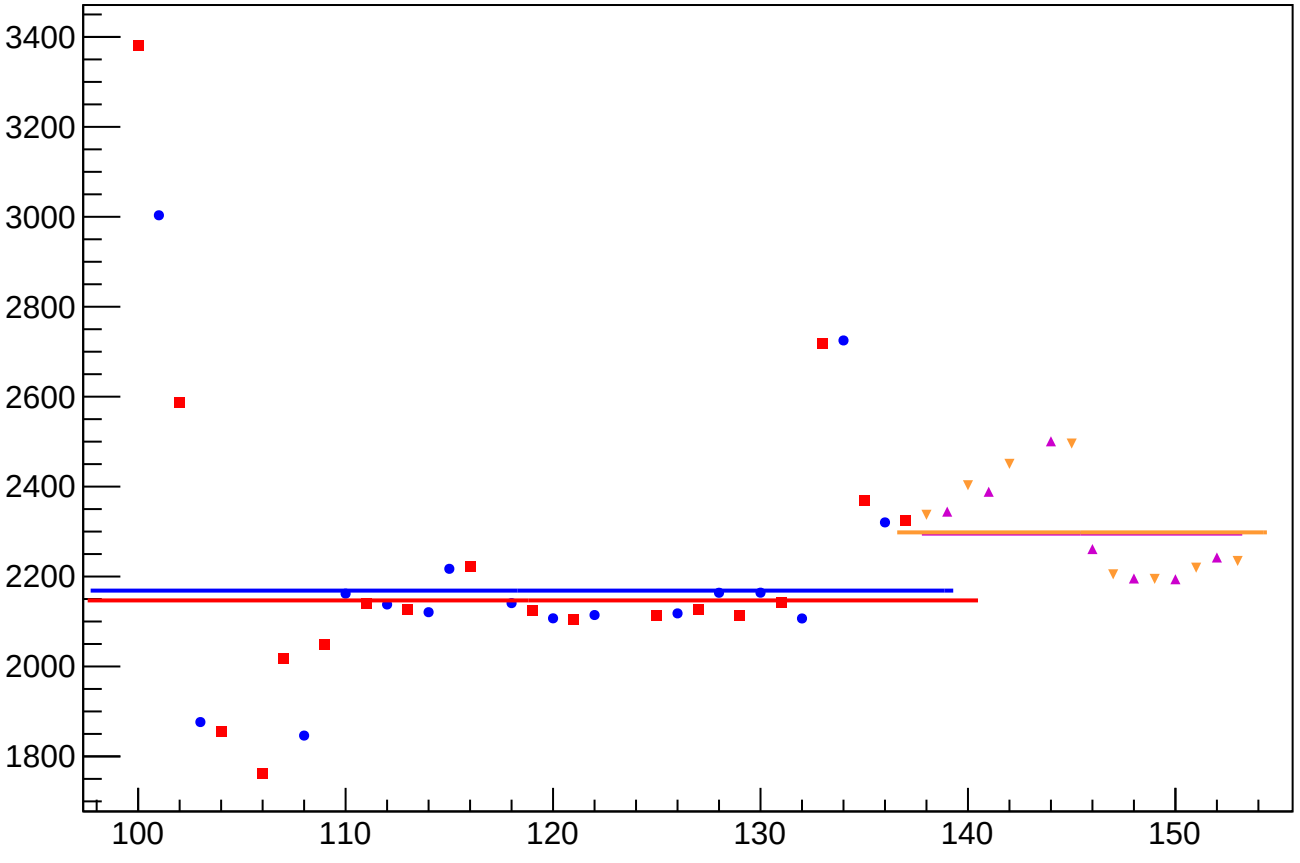
Left In: -5543.531+/-927.458 χ^2/NDF:6.8/6

+ sign 3688.530+/-609.944 χ^2/NDF: 22.7/23

All: -483.019+/-431.197 χ^2/NDF: 137.6/48

- sign -4650.777+/-609.666 χ^2/NDF: 21.4/24

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2298.201+/-0.653 χ^2/NDF:27353.4/7

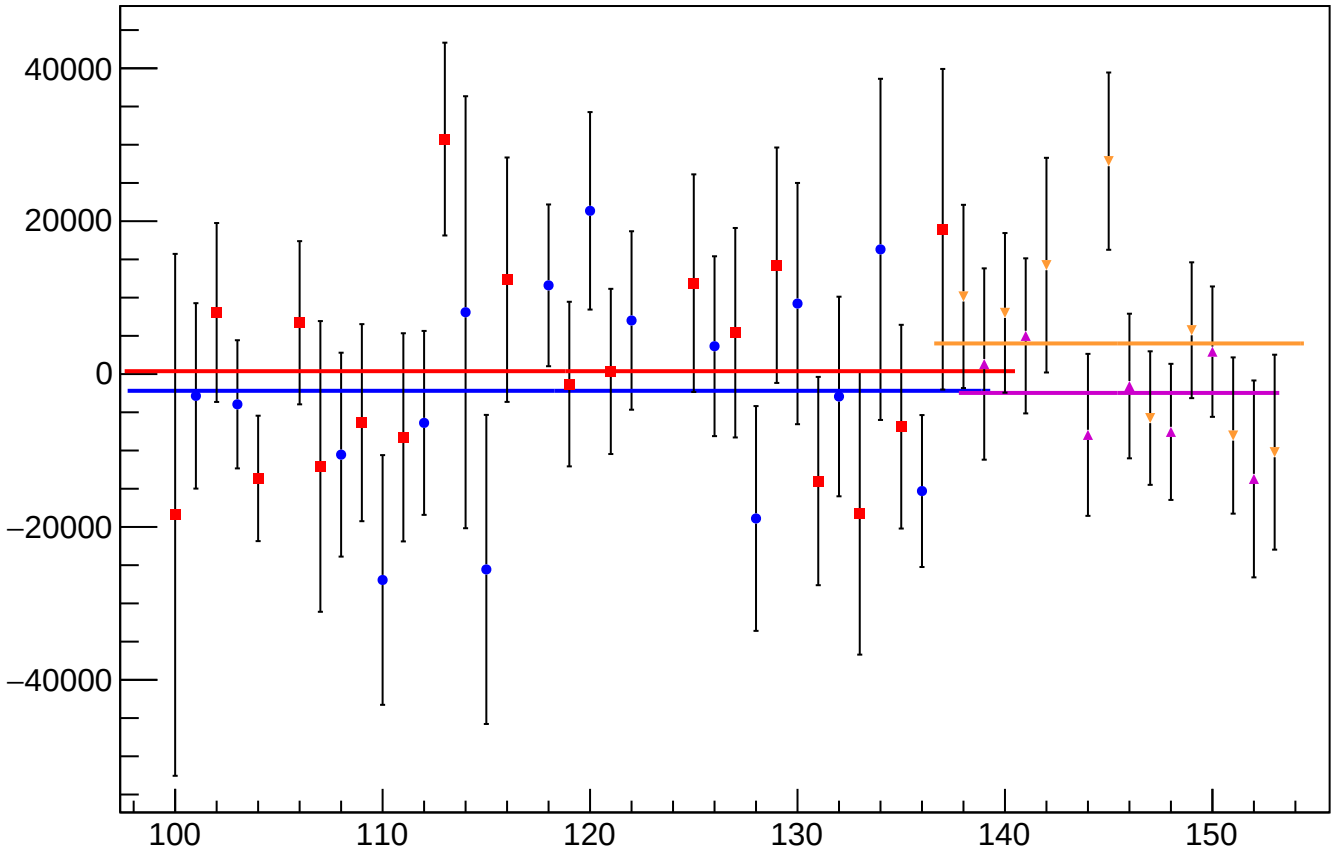
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2295.453+/-0.656 χ^2/NDF:24257.8/6

+ sign 2225.235+/-0.431 χ^2/NDF: 245183.6/23

All: 2217.955+/-0.304 χ^2/NDF: 457028.8/48

- sign 2210.722+/-0.430 χ^2/NDF: 211277.3/24



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 4005.878+/-3775.869 χ^2/NDF:9.1/7

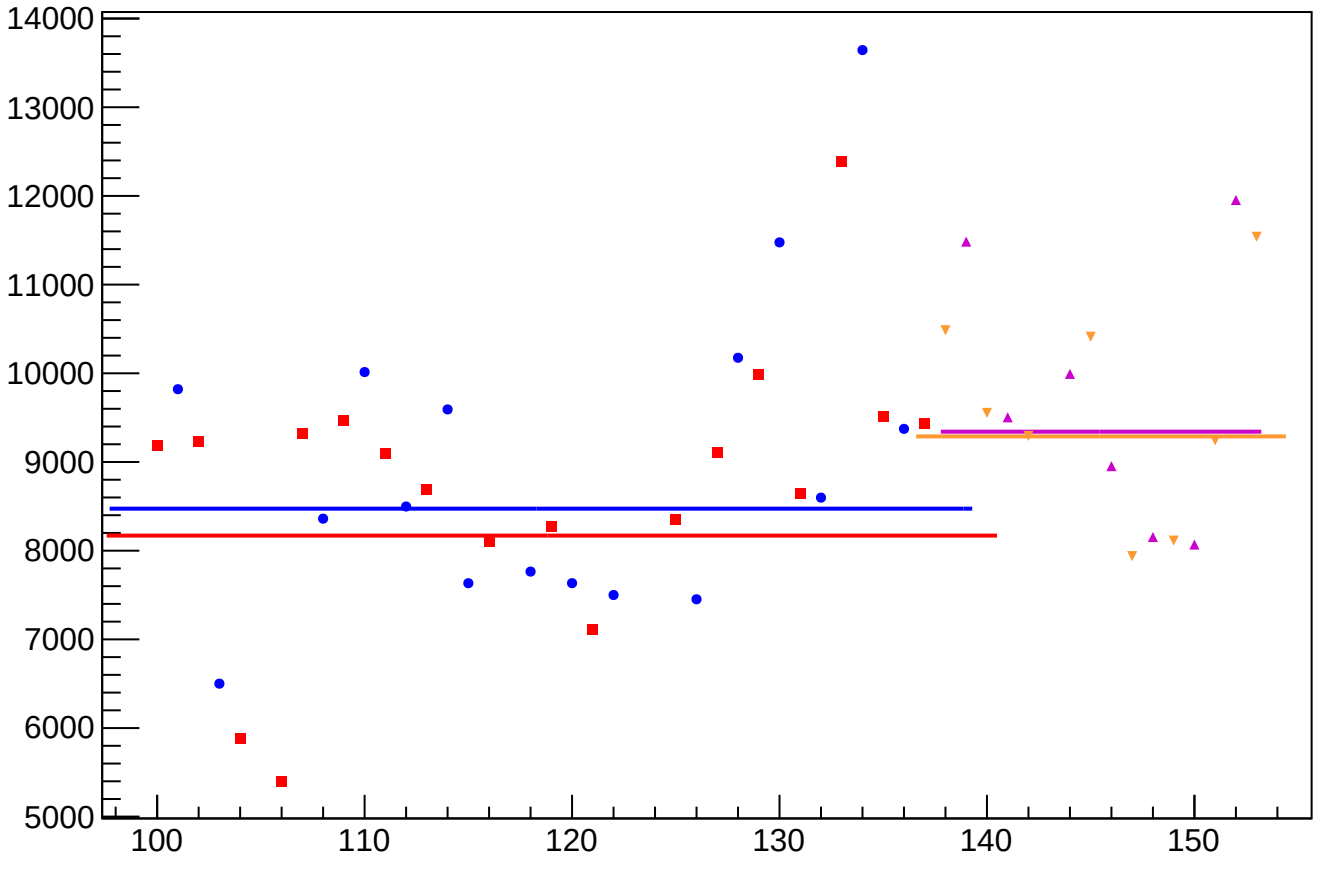
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2466.425+/-3818.566 χ^2/NDF:2.4/6

+ sign 408.376+/-2445.009 χ^2/NDF: 25.1/23

All: -180.548+/-1715.188 χ^2/NDF: 44.3/48

- sign -751.176+/-2406.729 χ^2/NDF: 19.0/24



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9288.395+/-2.670 χ^2/NDF:185129.7/7

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

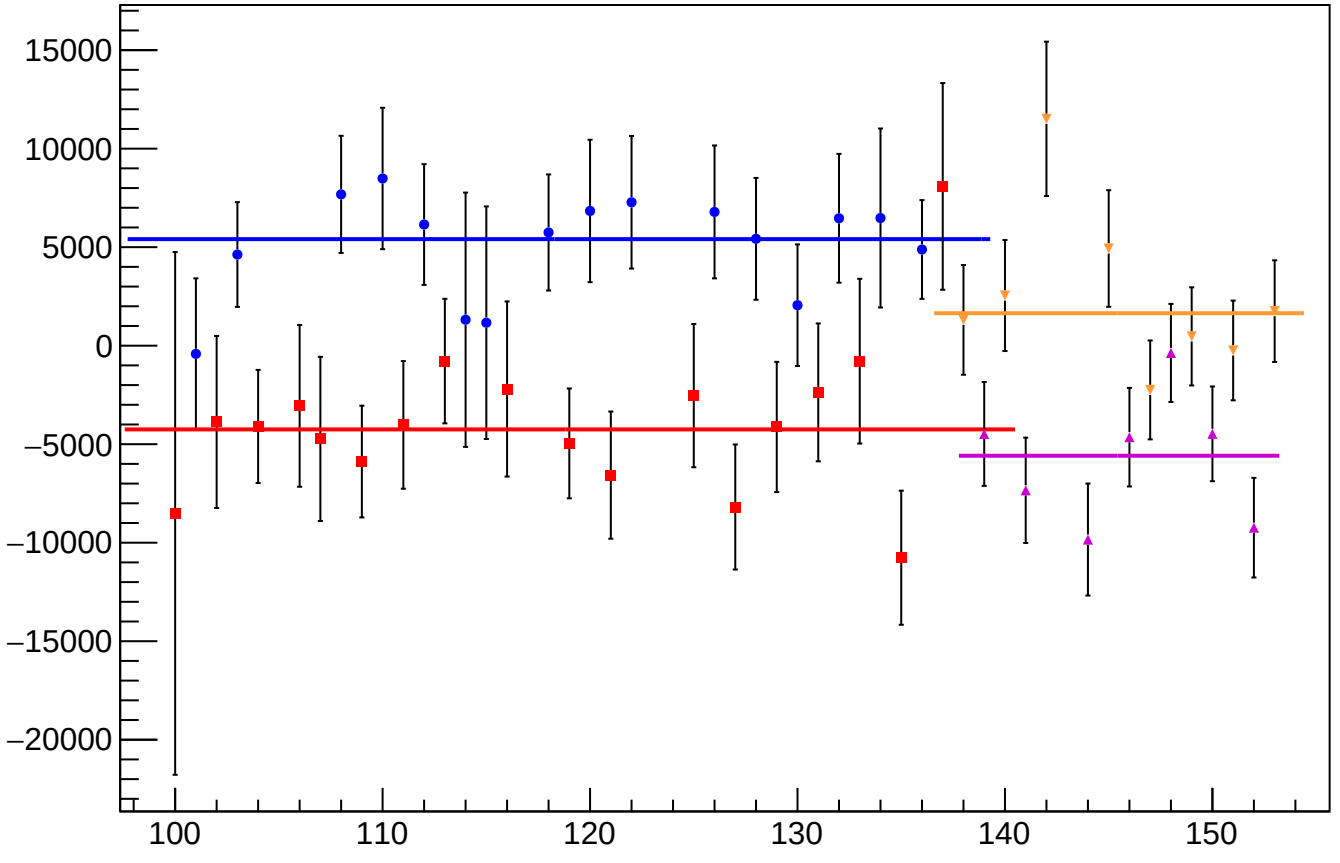
Left In: 9341.867+/-2.700 χ^2/NDF:232498.6/6

+ sign 8815.328+/-1.729 χ^2/NDF: 668738.8/23

All: 8724.010+/-1.213 χ^2/NDF: 1560185.9/48

- sign 8635.529+/-1.702 χ^2/NDF: 885954.1/24

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1647.915+/-970.933 χ^2/NDF:10.9/7

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

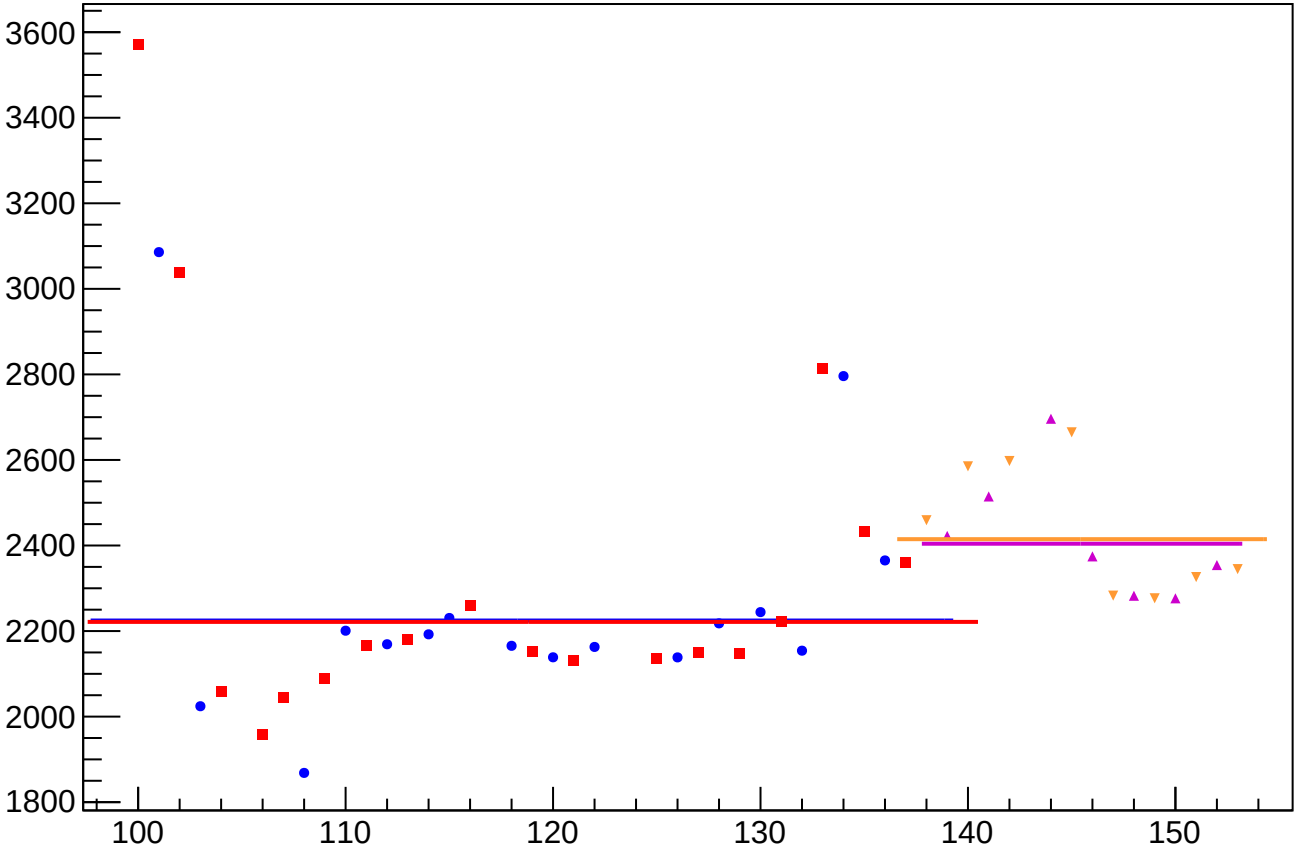
Left In: -5584.789+/-972.027 χ^2/NDF:9.7/6

+ sign 3812.198+/-632.513 χ^2/NDF: 26.2/23

All: -485.141+/-448.228 χ^2/NDF: 144.2/48

- sign -4820.078+/-635.274 χ^2/NDF: 25.2/24

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2414.818+/-0.687 χ^2/NDF:42024.9/7

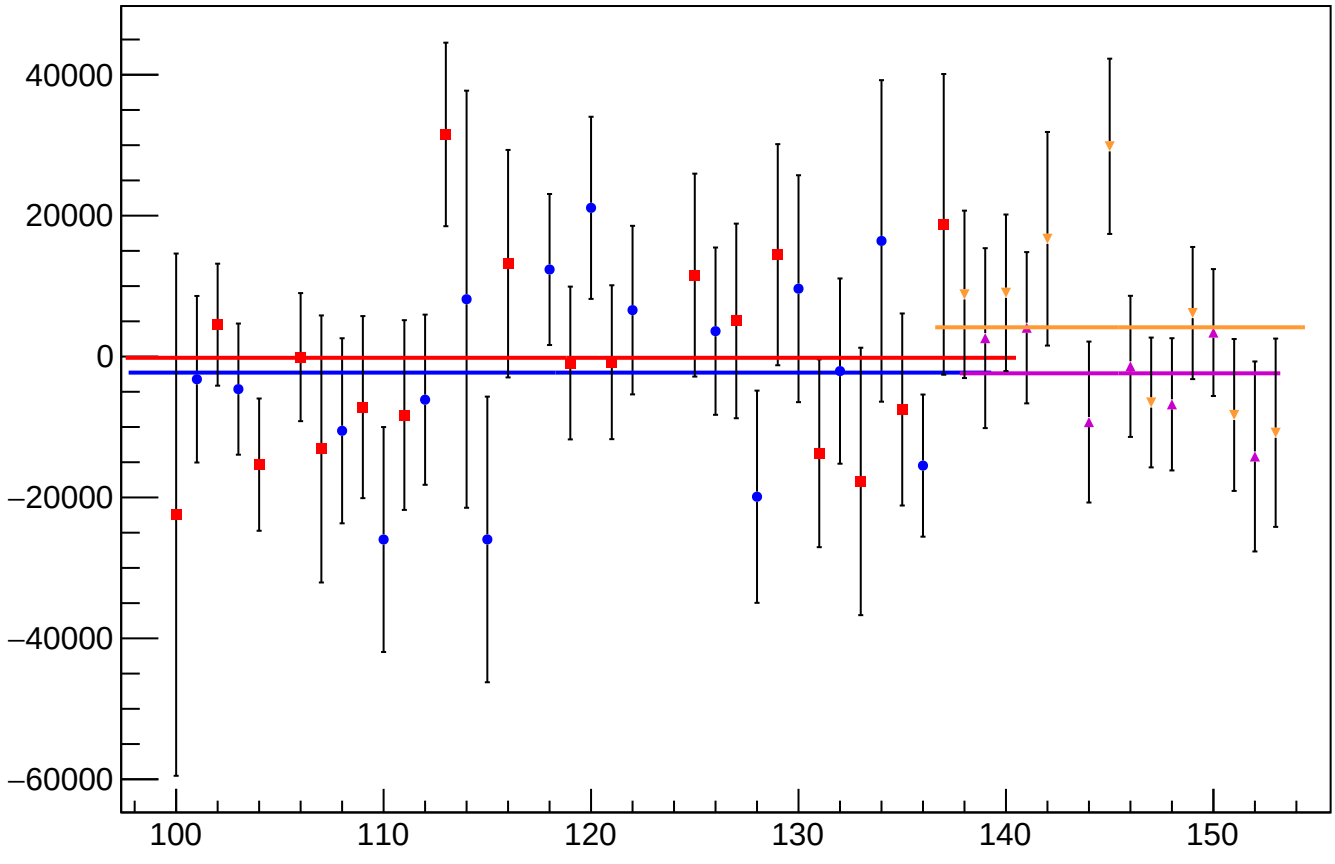
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2404.187+/-0.687 χ^2/NDF:36120.0/6

+ sign 2305.334+/-0.447 χ^2/NDF: 270884.4/23

All: 2302.396+/-0.317 χ^2/NDF: 517560.6/48

- sign 2299.434+/-0.449 χ^2/NDF: 246589.6/24



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 4152.311+/-3972.978 χ^2/NDF:9.3/7

Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

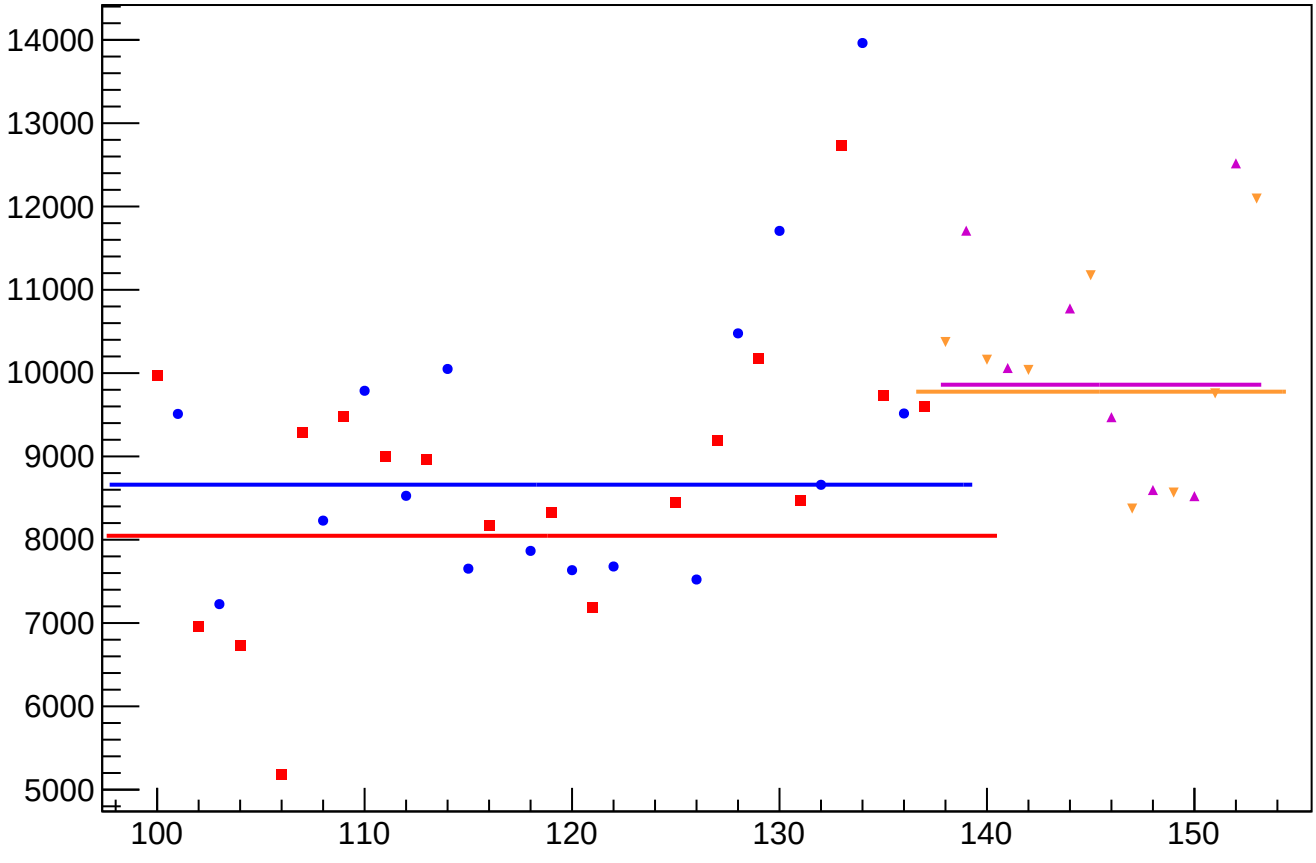
Left In: -2379.124+/-4028.512 χ^2/NDF:2.3/6

\+ sign 320.271+/-2525.598 χ^2/NDF: 25.3/23

All: -353.599+/-1748.933 χ^2/NDF: 43.6/48

\- sign -974.467+/-2424.243 χ^2/NDF: 18.1/24

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 9777.247+/-2.809 χ^2/NDF:173145.4/7

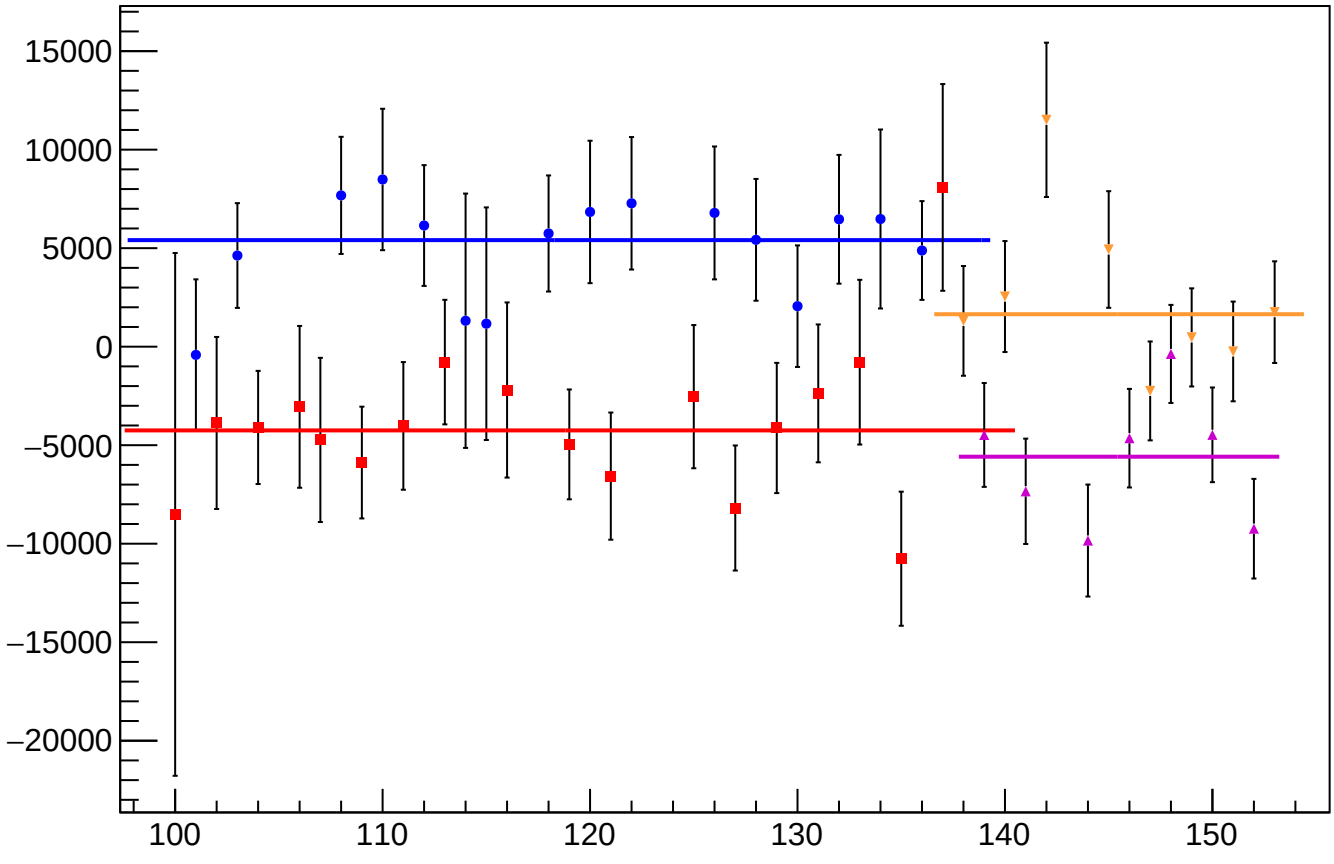
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 9860.800+/-2.849 χ^2/NDF:216537.2/6

+ sign 9111.924+/-1.786 χ^2/NDF: 625230.2/23

All: 8899.676+/-1.237 χ^2/NDF: 1685949.2/48

- sign 8704.122+/-1.714 χ^2/NDF: 1033580.1/24



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1647.916+/-970.934 χ^2/NDF:10.9/7

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

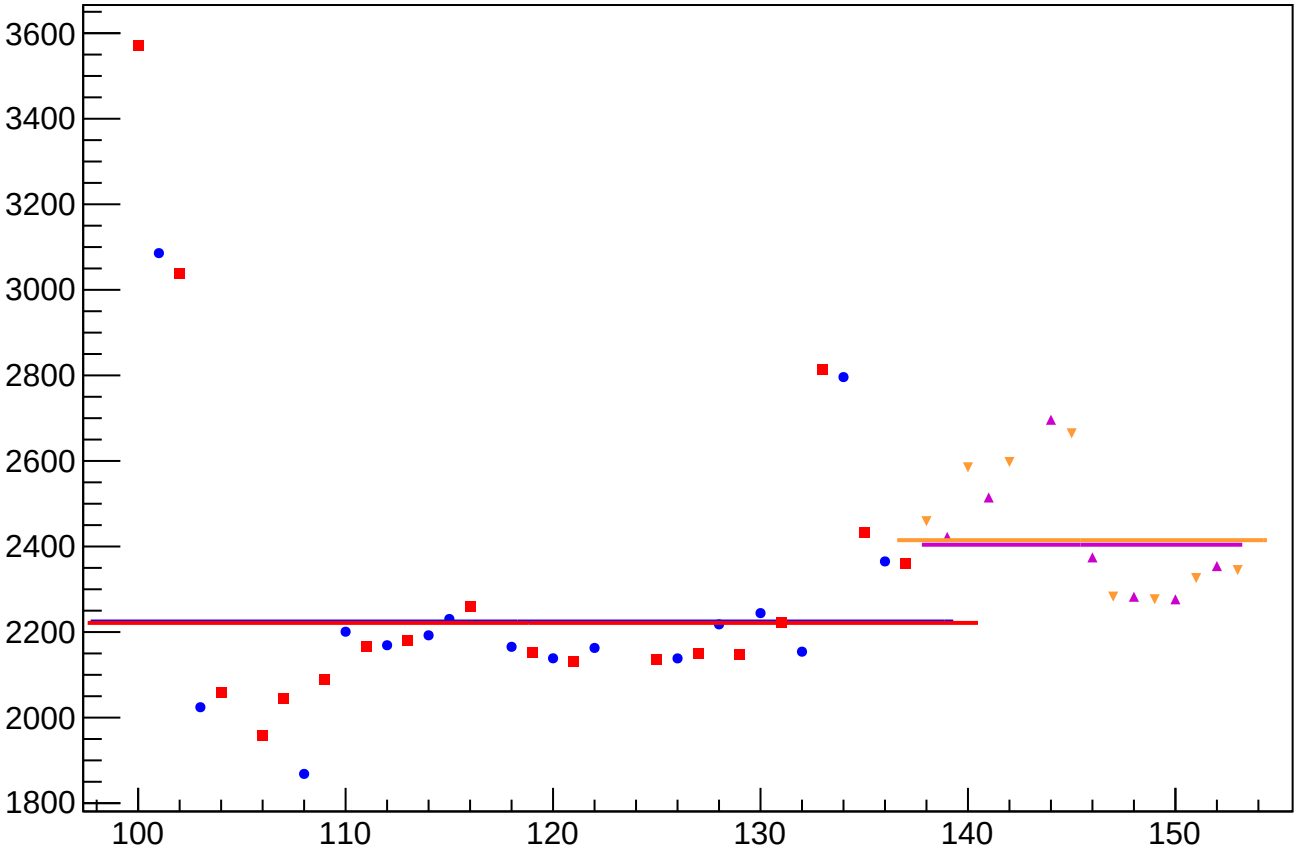
Left In: -5584.787+/-972.028 χ^2/NDF:9.7/6

+ sign 3812.201+/-632.514 χ^2/NDF: 26.2/23

All: -485.139+/-448.228 χ^2/NDF: 144.2/48

- sign -4820.079+/-635.275 χ^2/NDF: 25.2/24

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2414.820+/-0.687 χ^2/NDF:42025.5/7

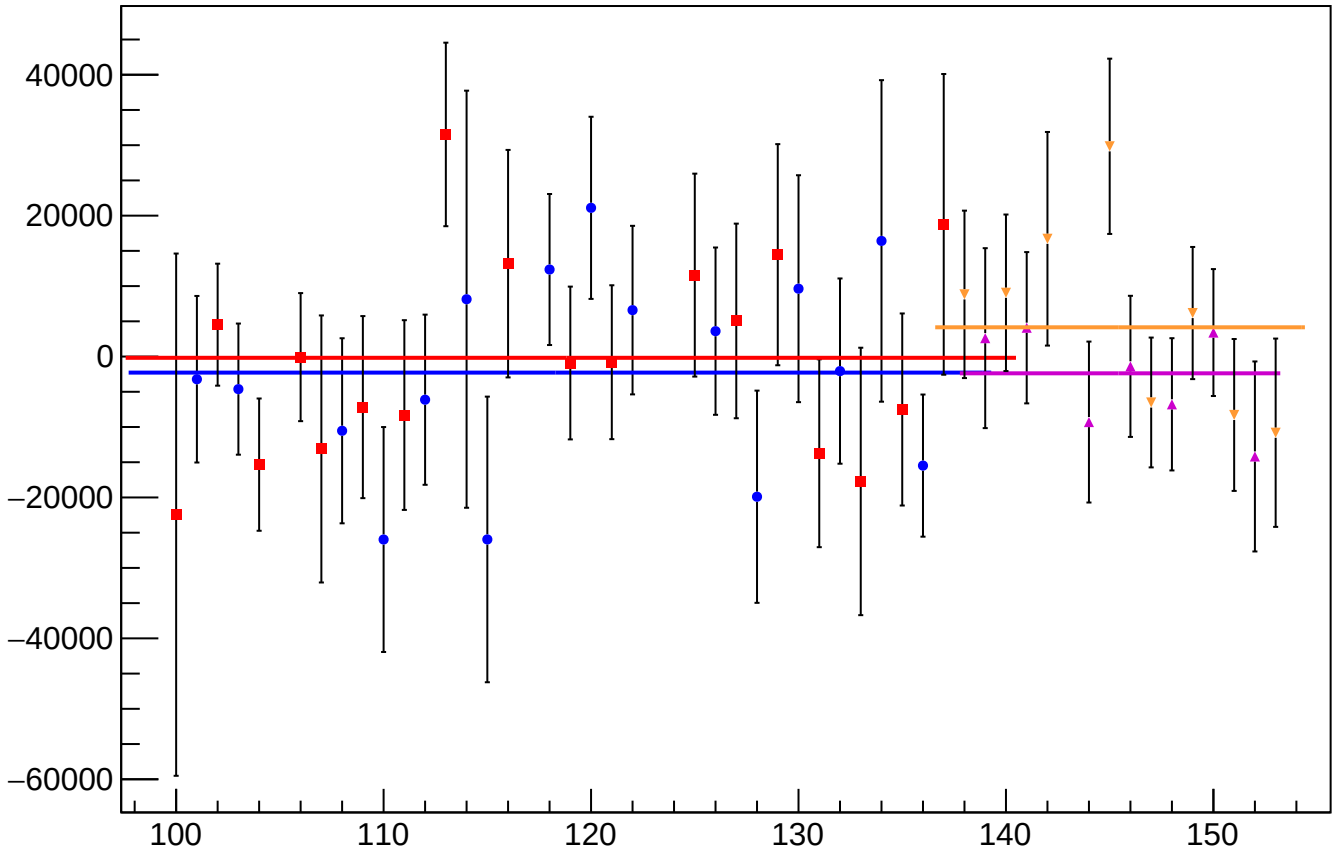
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2404.190+/-0.687 χ^2/NDF:36120.3/6

+ sign 2305.334+/-0.447 χ^2/NDF: 270886.6/23

All: 2302.396+/-0.317 χ^2/NDF: 517564.7/48

- sign 2299.435+/-0.449 χ^2/NDF: 246591.4/24



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 4152.306+/-3972.983 χ^2/NDF:9.3/7

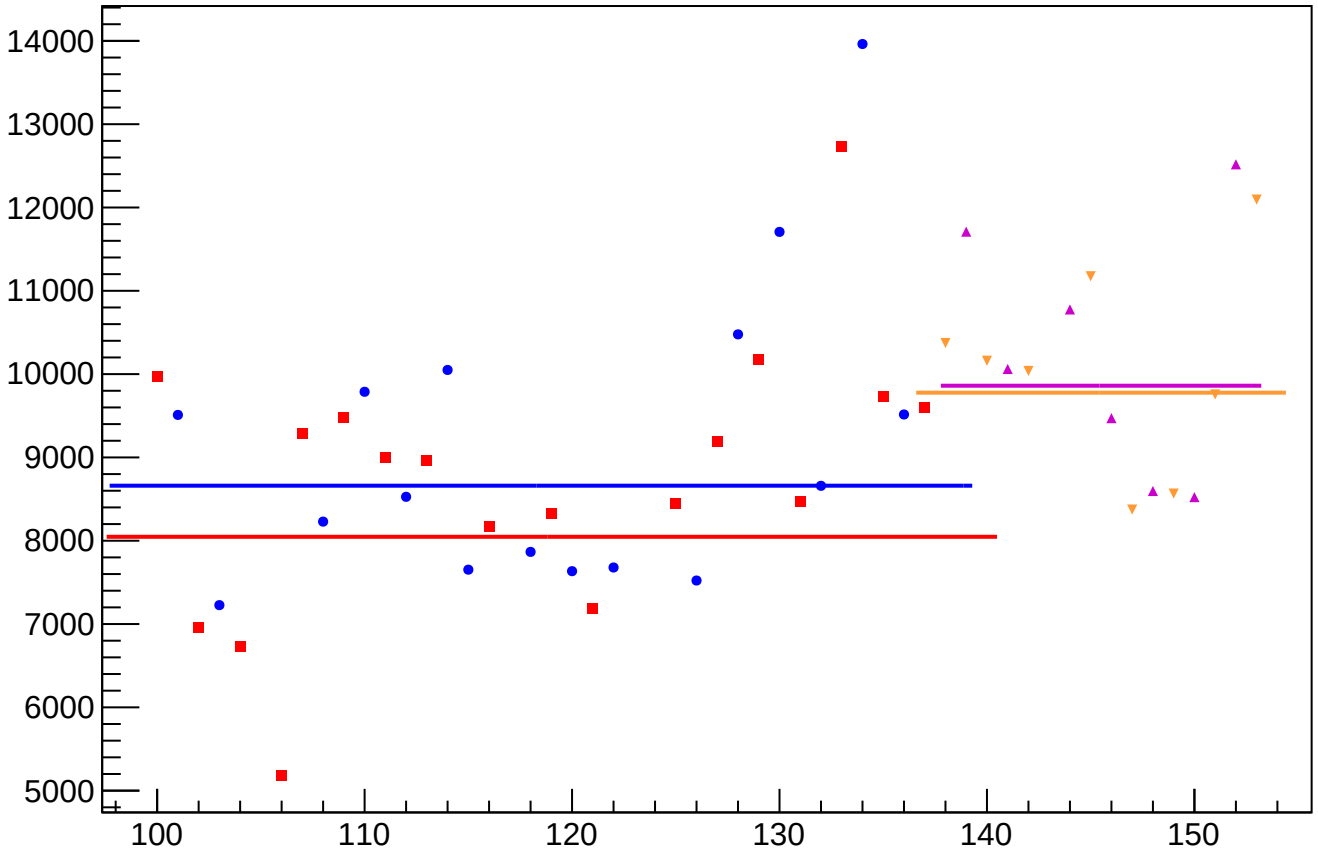
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -2379.122+/-4028.518 χ^2/NDF:2.3/6

\+ sign 320.271+/-2525.596 χ^2/NDF: 25.3/23

All: -353.598+/-1748.931 χ^2/NDF: 43.6/48

\- sign -974.466+/-2424.240 χ^2/NDF: 18.1/24



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 9777.260+/-2.809 χ^2/NDF:173146.5/7

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

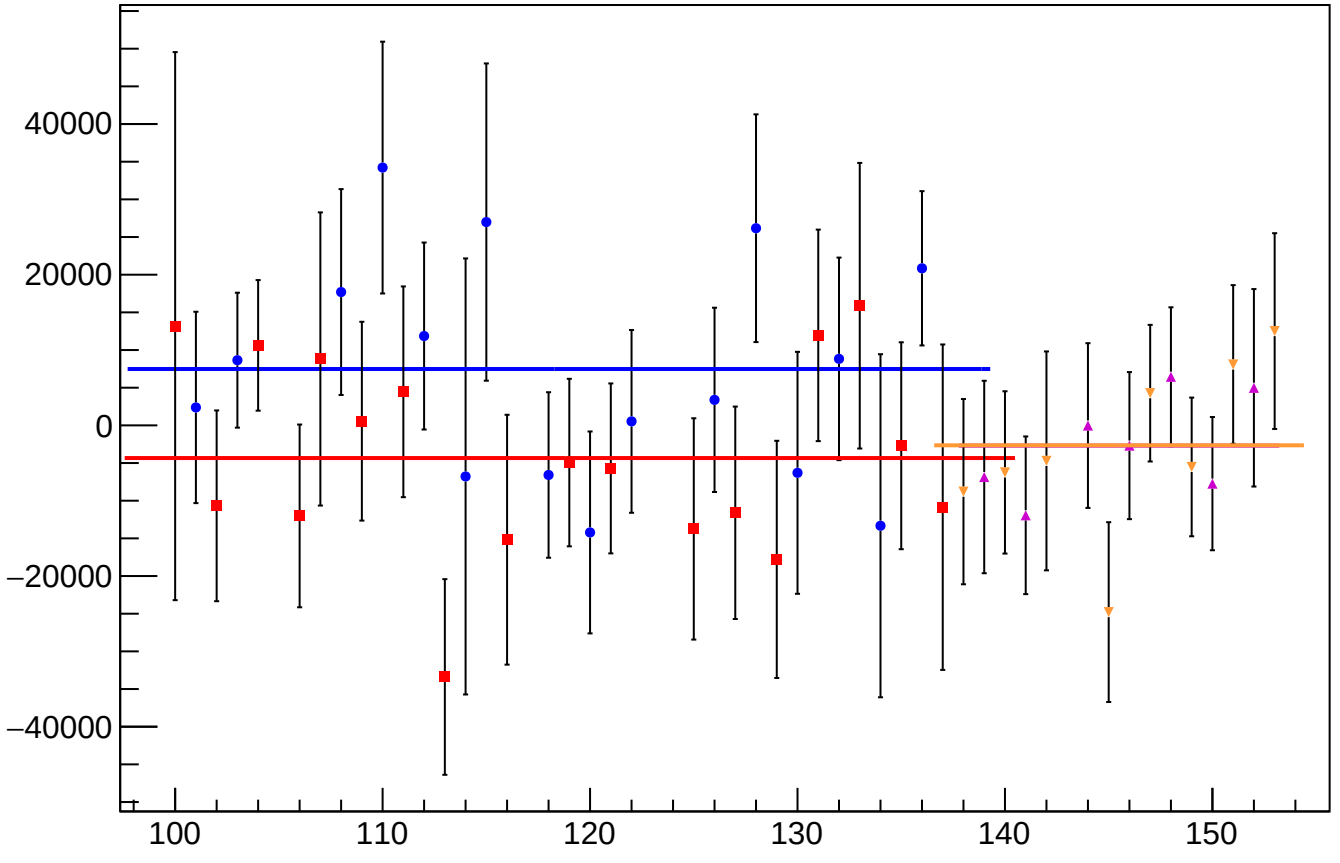
Left In: 9860.813+/-2.849 χ^2/NDF:216537.9/6

+ sign 9111.914+/-1.786 χ^2/NDF: 625239.3/23

All: 8899.667+/-1.237 χ^2/NDF: 1685966.1/48

- sign 8704.113+/-1.714 χ^2/NDF: 1033587.8/24

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -2648.465+/-3895.851 χ^2/NDF:6.9/7

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

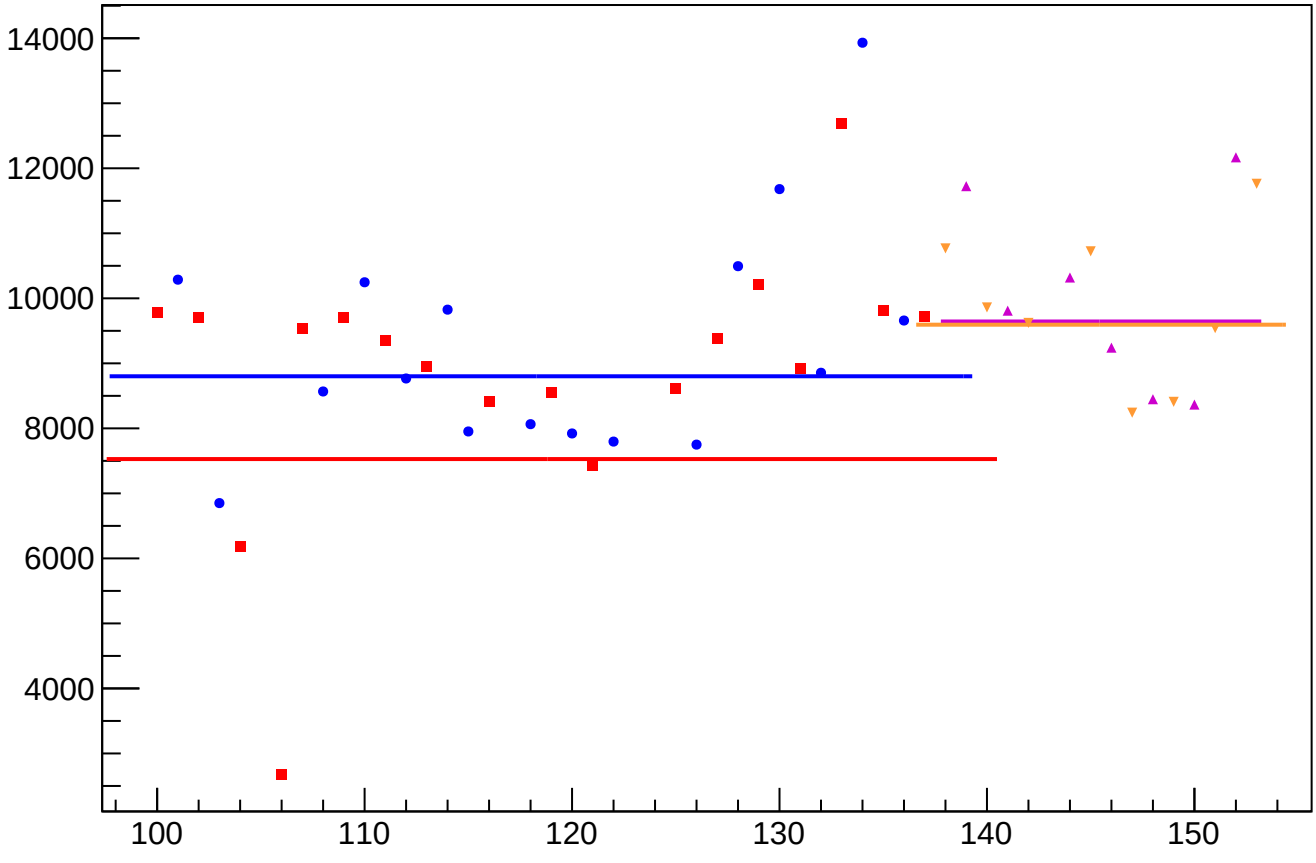
Left In: -2689.737+/-3937.716 χ^2/NDF:2.6/6

+ sign 3203.750+/-2531.710 χ^2/NDF: 24.8/23

All: -273.163+/-1780.003 χ^2/NDF: 45.6/48

- sign -3672.047+/-2503.141 χ^2/NDF: 17.0/24

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 9594.470+/-2.755 χ^2/NDF:170784.8/7

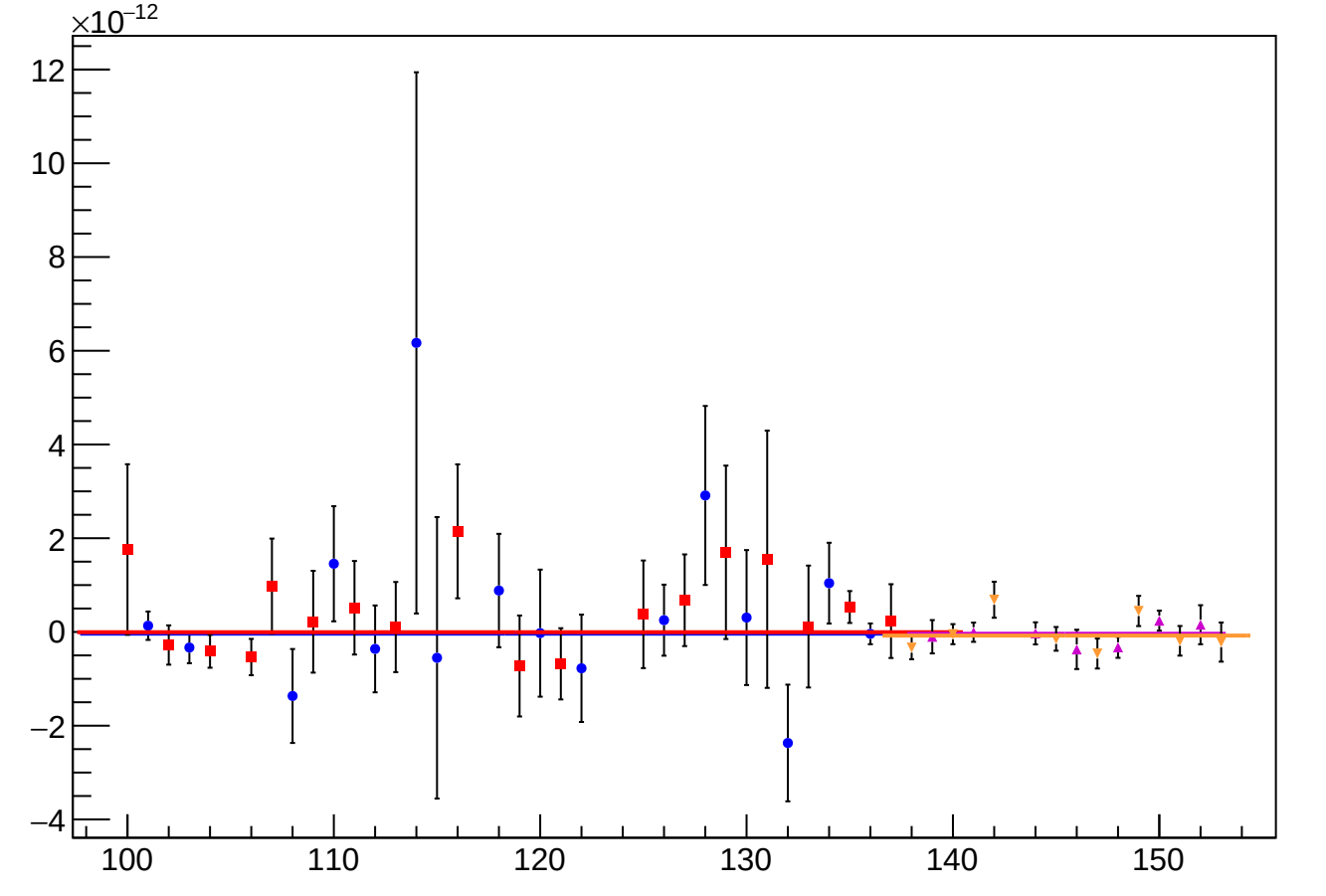
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 9643.798+/-2.784 χ^2/NDF:214274.3/6

+ sign 9136.123+/-1.790 χ^2/NDF: 613279.1/23

All: 8698.559+/-1.229 χ^2/NDF: 2962434.4/48

- sign 8308.174+/-1.691 χ^2/NDF: 2236109.9/24



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.4/7

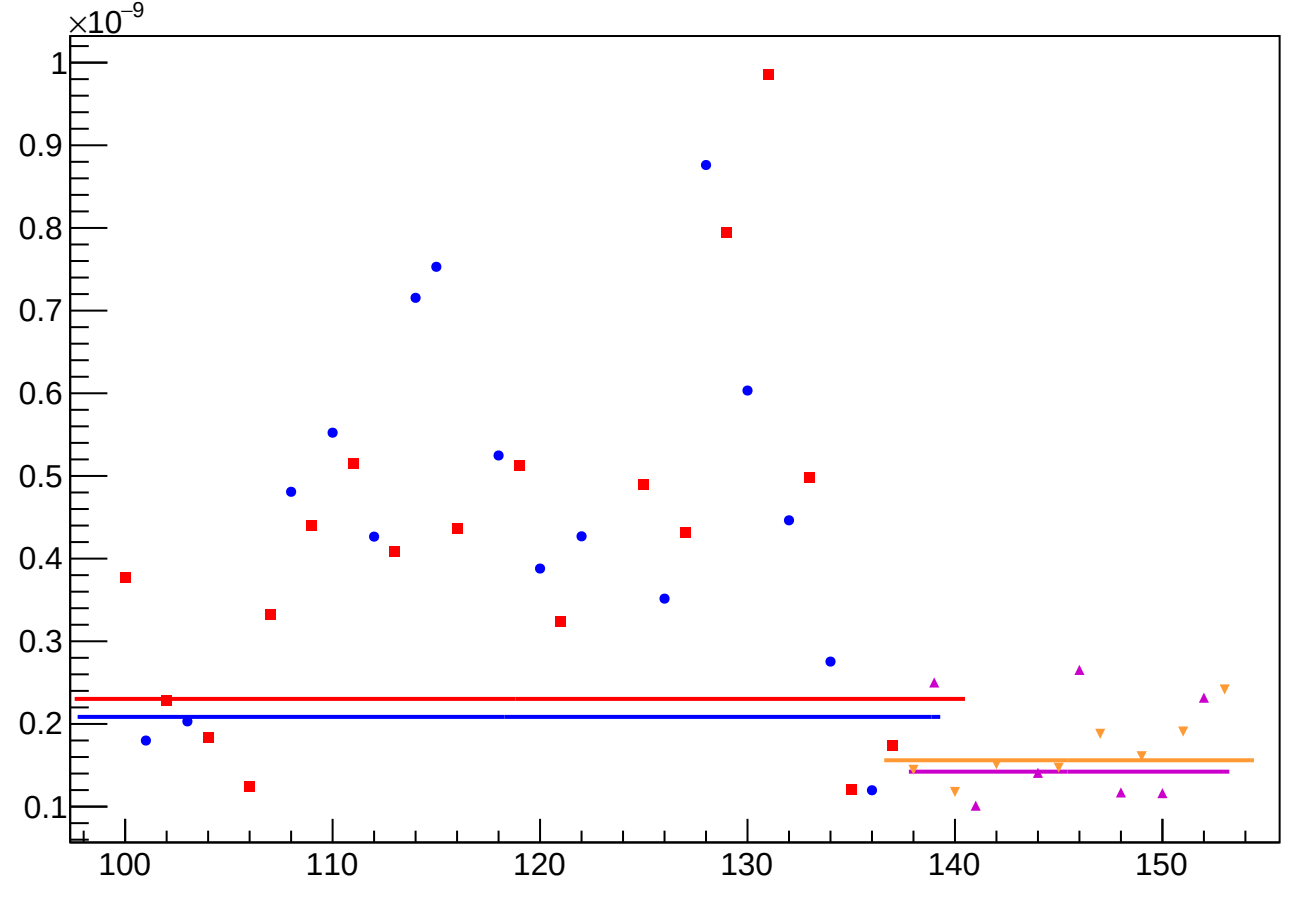
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:4.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 23.8/23

All: -0.000+/-0.000 χ^2/NDF: 41.9/48

- sign -0.000+/-0.000 χ^2/NDF: 18.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:200182.7/7

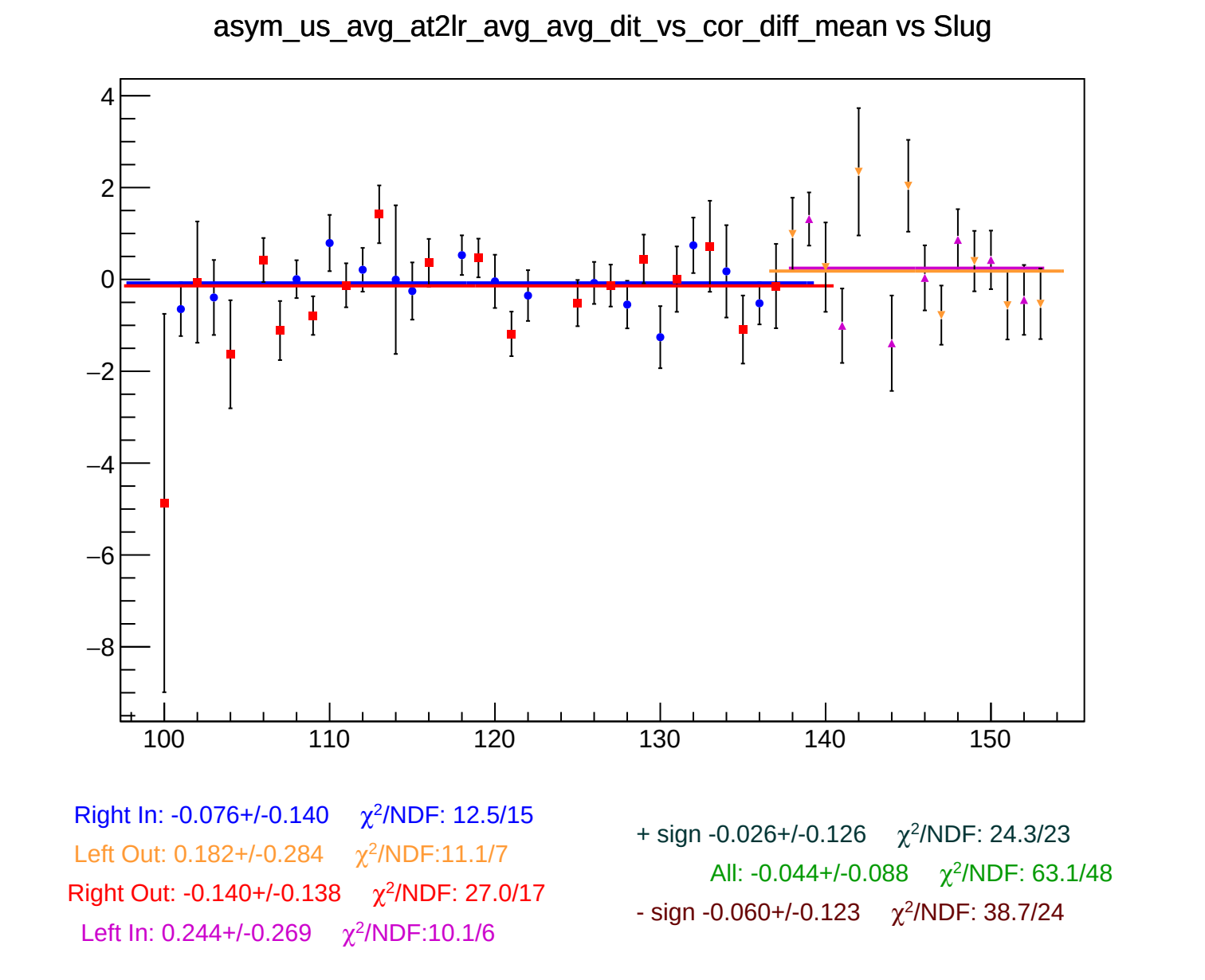
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:584015.0/6

\+ sign 0.000+/-0.000 χ^2/NDF: 2012689.4/23

All: 0.000+/-0.000 χ^2/NDF: 4617441.9/48

\- sign 0.000+/-0.000 χ^2/NDF: 2598190.4/24


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug
4
2
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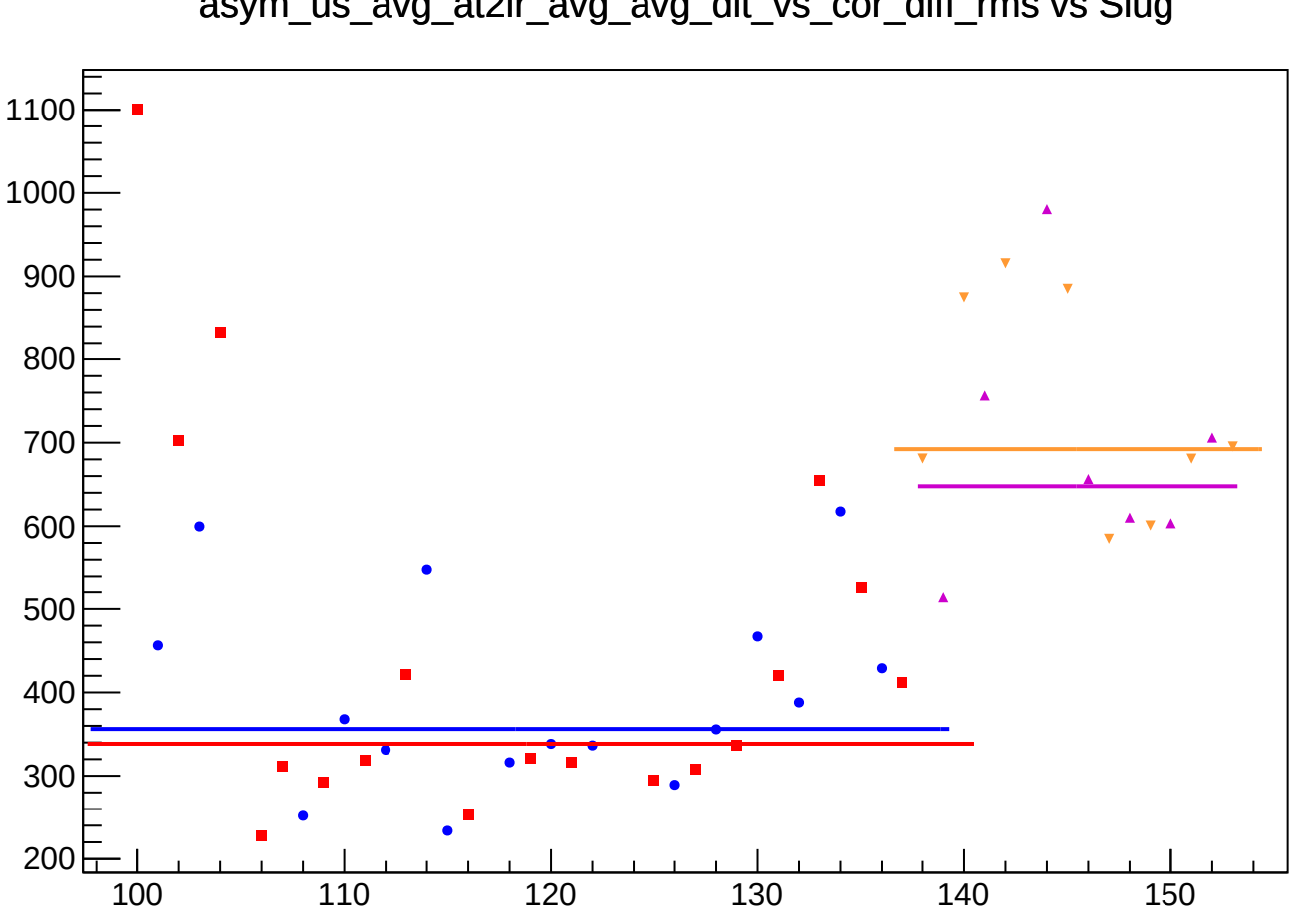
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.182+/-0.284 χ²/NDF:11.1/7
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.244+/-0.269 χ²/NDF:10.1/6
+ sign -0.026+/-0.126 χ²/NDF: 24.3/23
All: -0.044+/-0.088 χ²/NDF: 63.1/48
- sign -0.060+/-0.123 χ²/NDF: 38.7/24



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 692.263+/-0.201 χ^2/NDF:291829.2/7

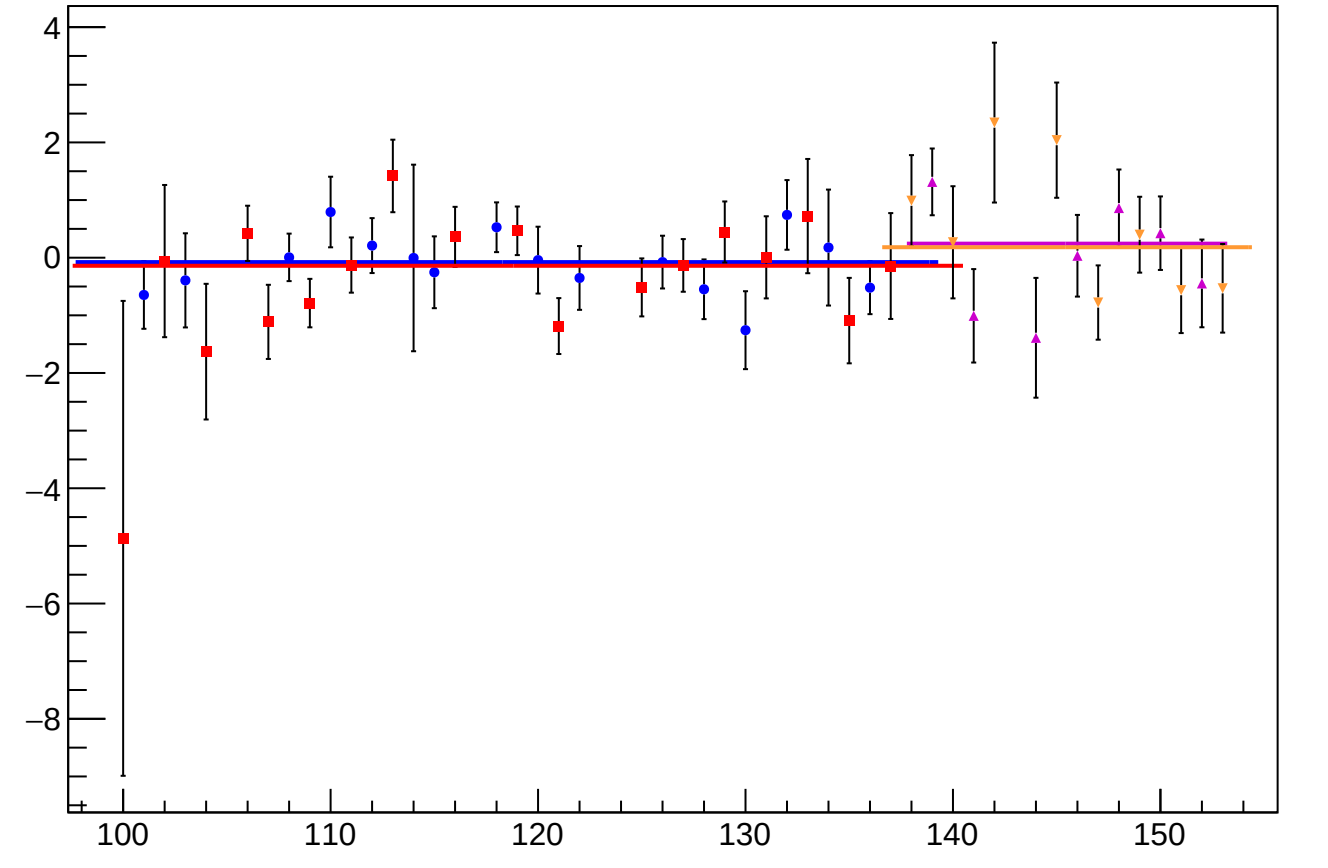
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 647.773+/-0.190 χ^2/NDF:375816.6/6

+ sign 421.780+/-0.089 χ^2/NDF: 3329422.1/23

All: 412.150+/-0.062 χ^2/NDF: 7028974.2/48

- sign 402.941+/-0.087 χ^2/NDF: 3676519.9/24



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.182+/-0.284 χ^2/NDF:11.1/7

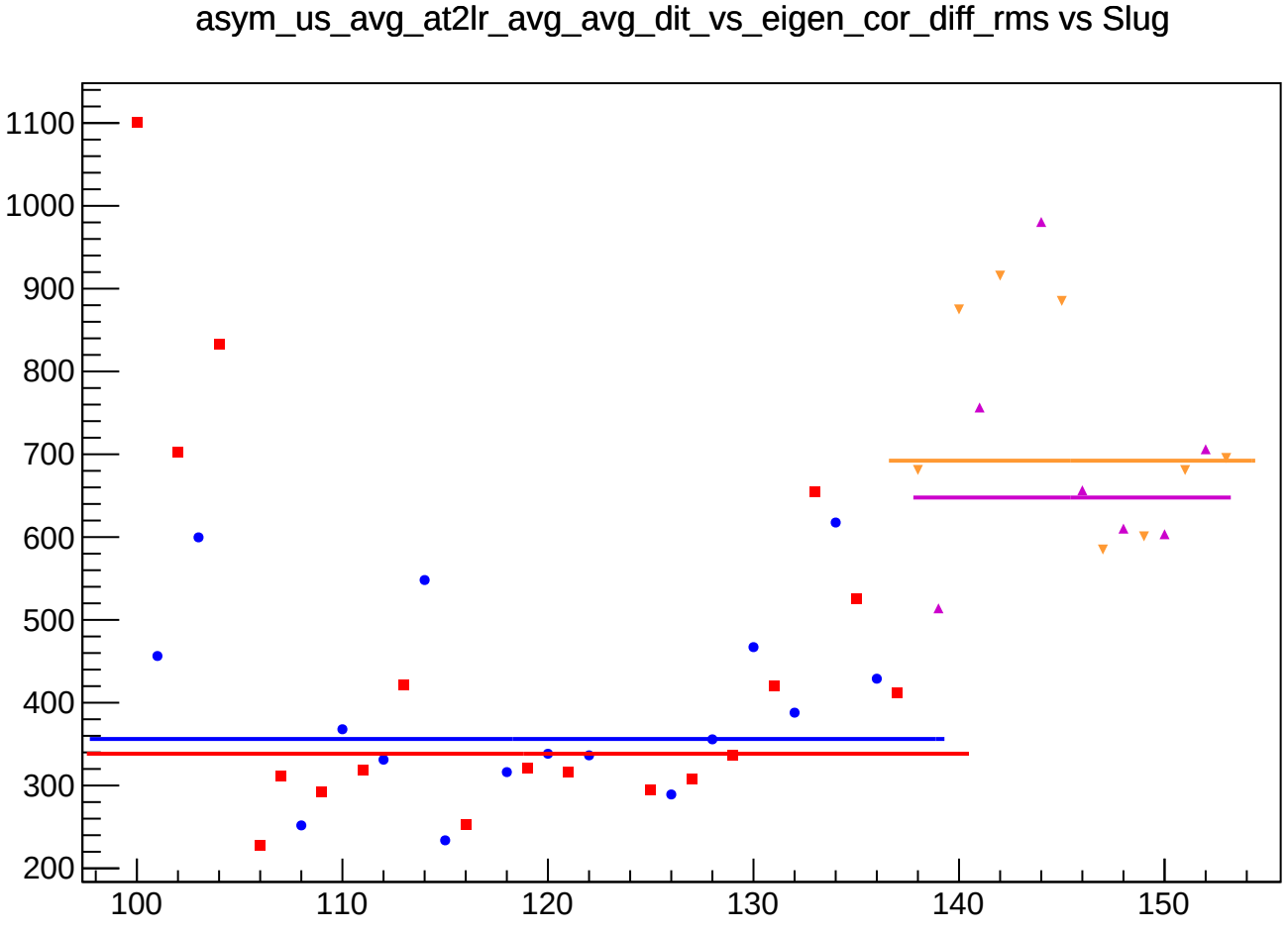
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.244+/-0.269 χ^2/NDF:10.1/6

+ sign -0.026+/-0.126 χ^2/NDF: 24.3/23

All: -0.044+/-0.088 χ^2/NDF: 63.1/48

- sign -0.060+/-0.123 χ^2/NDF: 38.7/24



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 692.263+/-0.201 χ^2/NDF:291829.2/7

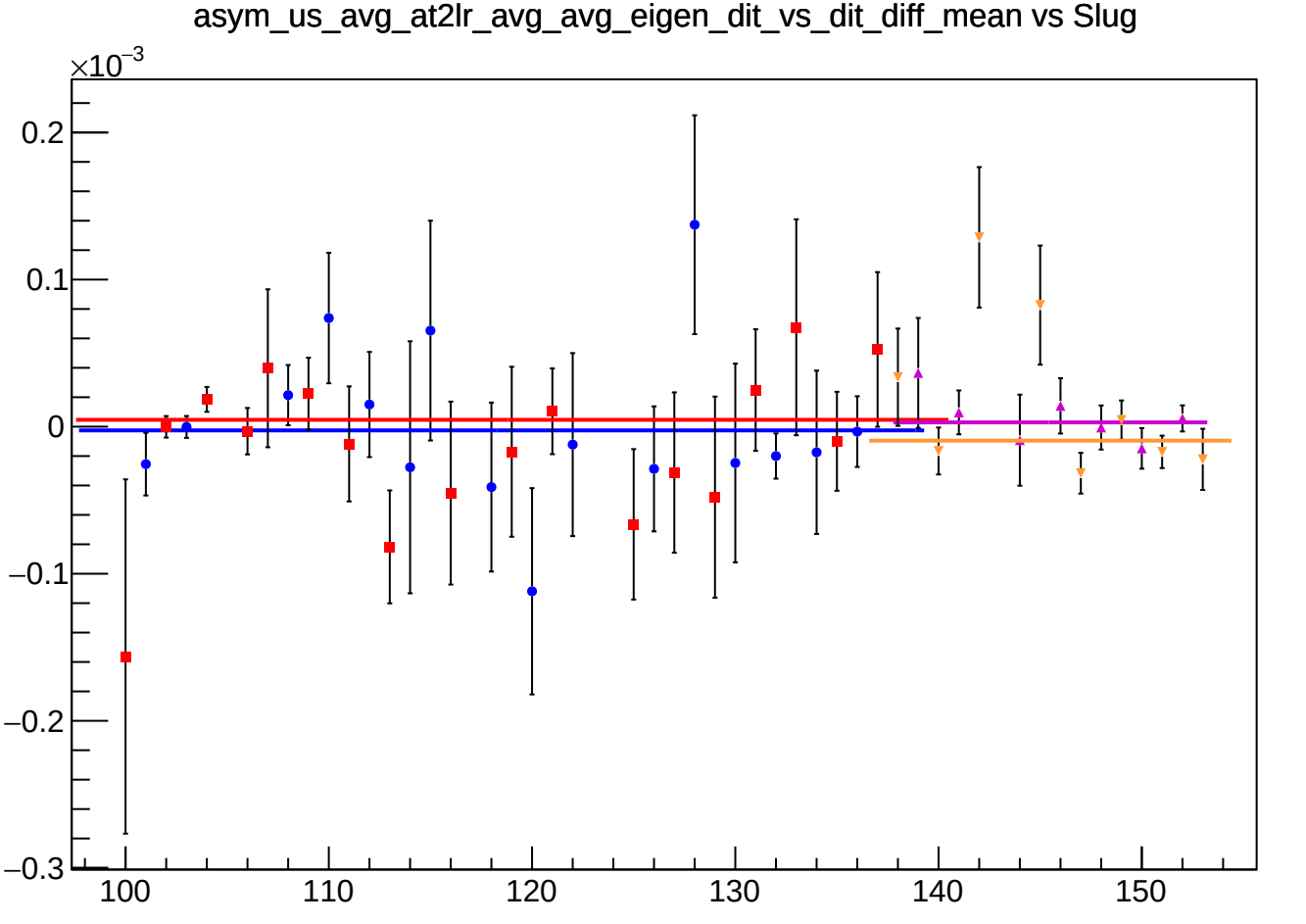
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 647.773+/-0.190 χ^2/NDF:375816.6/6

+ sign 421.780+/-0.089 χ^2/NDF: 3329422.1/23

All: 412.150+/-0.062 χ^2/NDF: 7028974.2/48

- sign 402.941+/-0.087 χ^2/NDF: 3676519.9/24



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/7

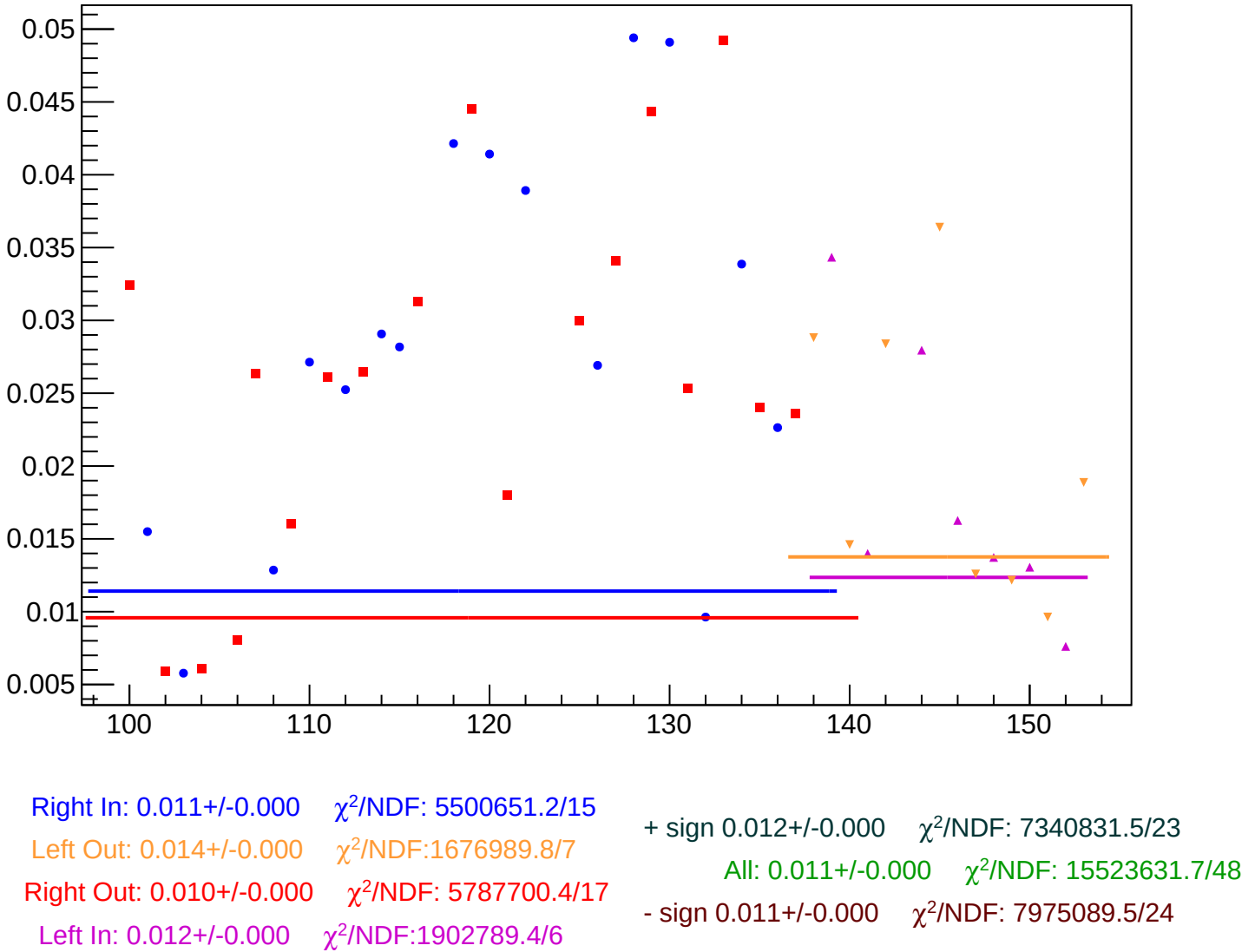
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/23

All: -0.000+/-0.000 χ^2/NDF: 59.3/48

- sign 0.000+/-0.000 χ^2/NDF: 20.5/24


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.045
0.04
0.035
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0.02
0.015
0.01
0.005
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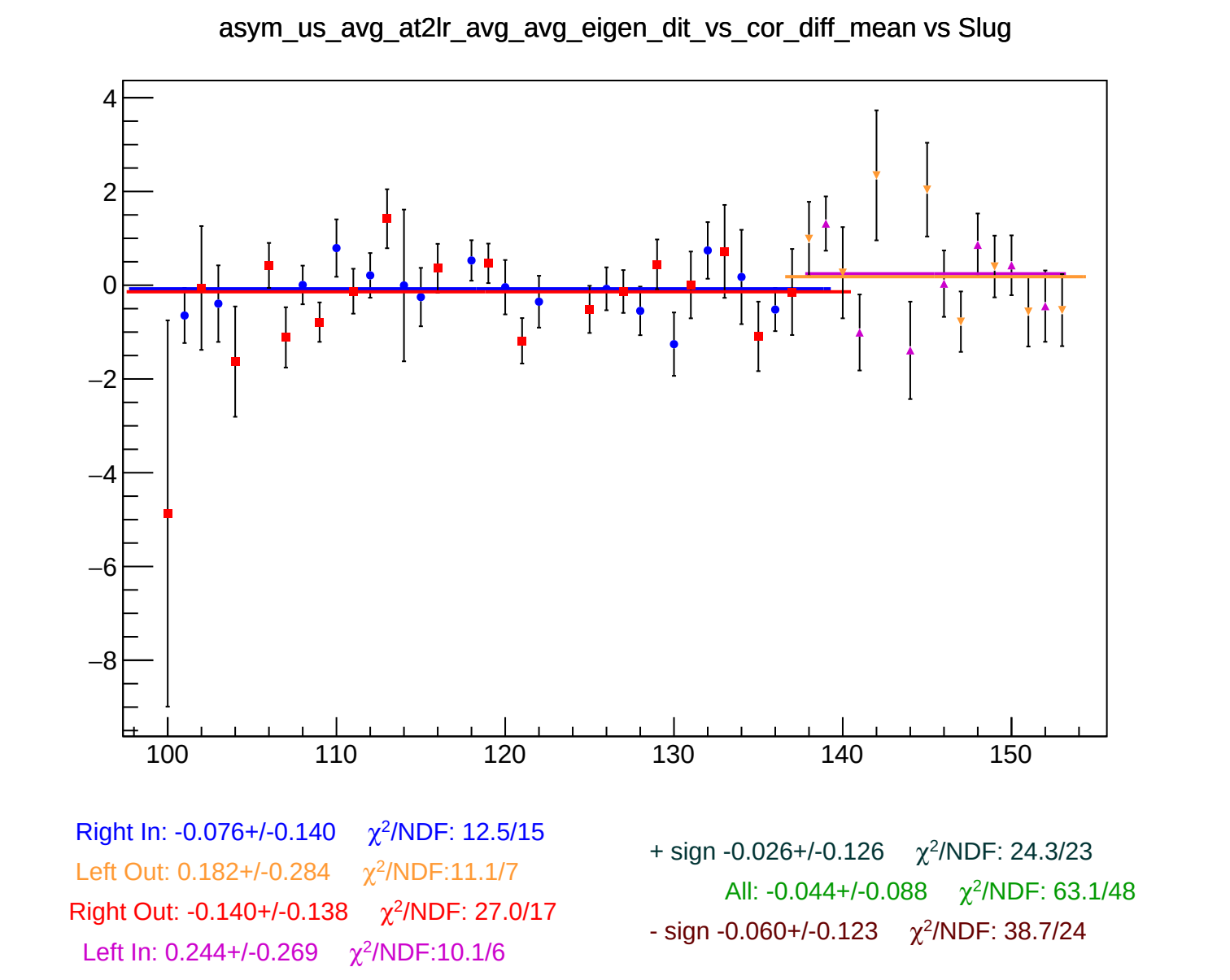
110
120
130
140
150
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.014+/-0.000 χ²/NDF:1676989.8/7
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.012+/-0.000 χ²/NDF:1902789.4/6
+ sign 0.012+/-0.000 χ²/NDF: 7340831.5/23
All: 0.011+/-0.000 χ²/NDF: 15523631.7/48
- sign 0.011+/-0.000 χ²/NDF: 7975089.5/24


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
4
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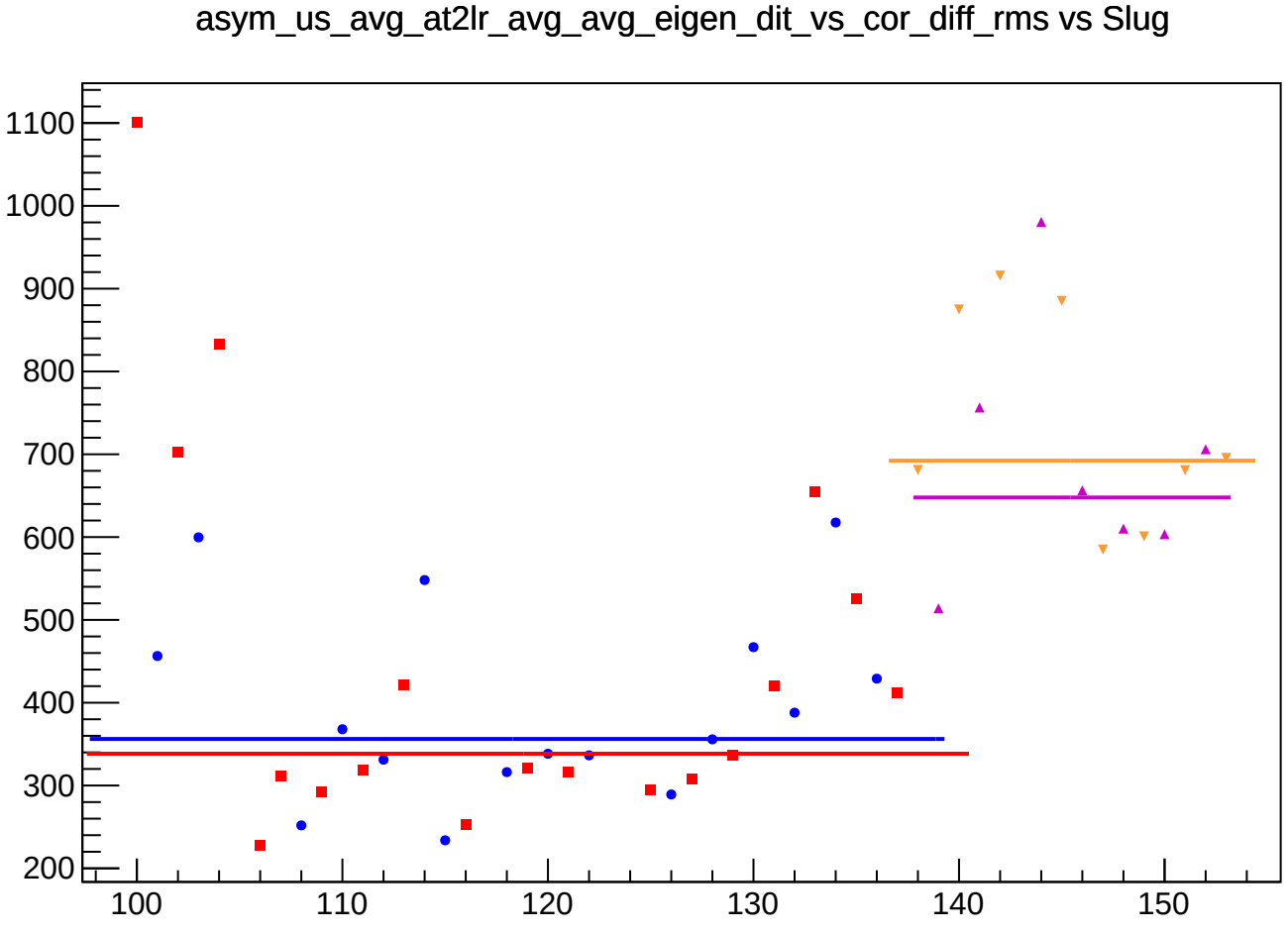
120
130
140
150
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.182+/-0.284 χ²/NDF:11.1/7
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.244+/-0.269 χ²/NDF:10.1/6
+ sign -0.026+/-0.126 χ²/NDF: 24.3/23
All: -0.044+/-0.088 χ²/NDF: 63.1/48
- sign -0.060+/-0.123 χ²/NDF: 38.7/24



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 692.271+/-0.201 χ^2/NDF:291834.2/7

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

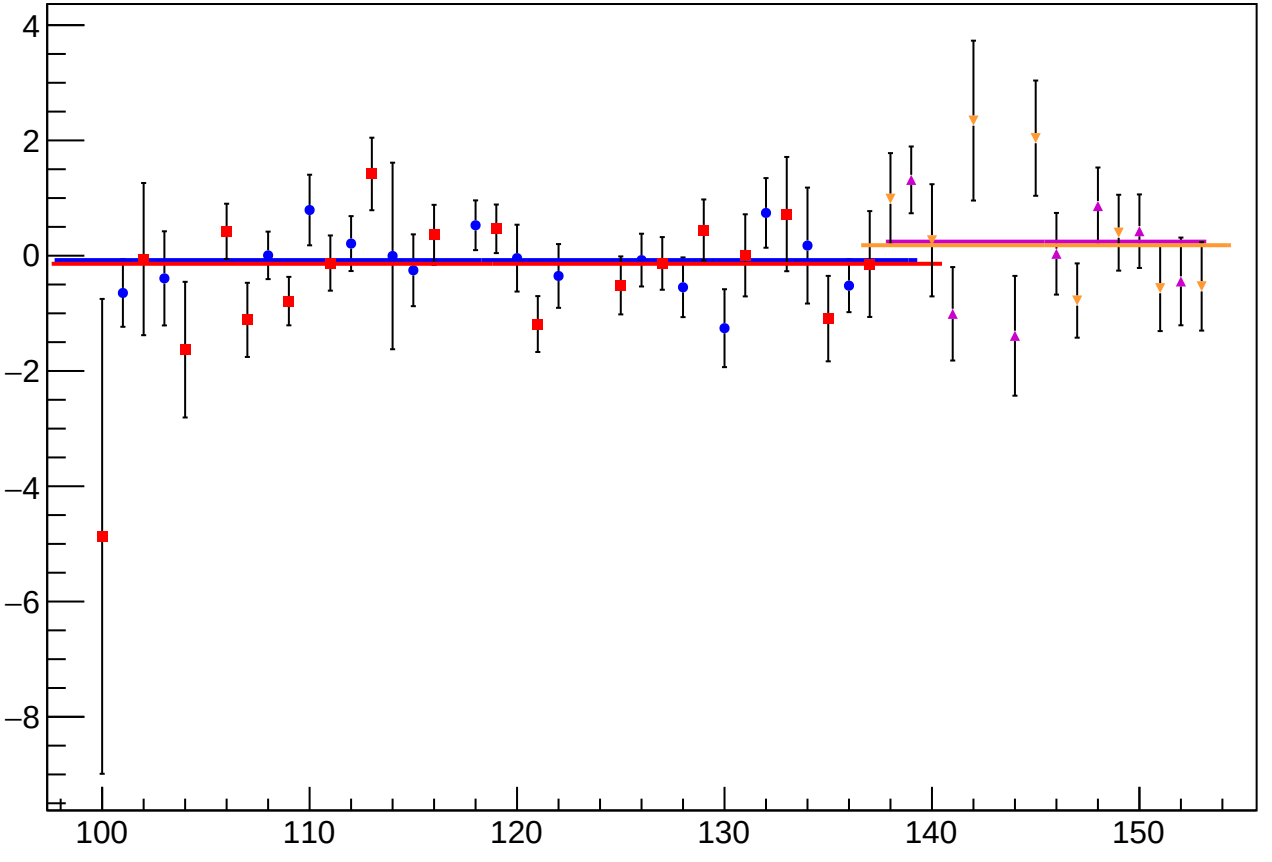
Left In: 647.782+/-0.190 χ^2/NDF:375803.5/6

+ sign 421.778+/-0.089 χ^2/NDF: 3329479.0/23

All: 412.149+/-0.062 χ^2/NDF: 7029110.9/48

- sign 402.939+/-0.087 χ^2/NDF: 3676598.3/24

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.182+/-0.284 χ^2/NDF:11.1/7

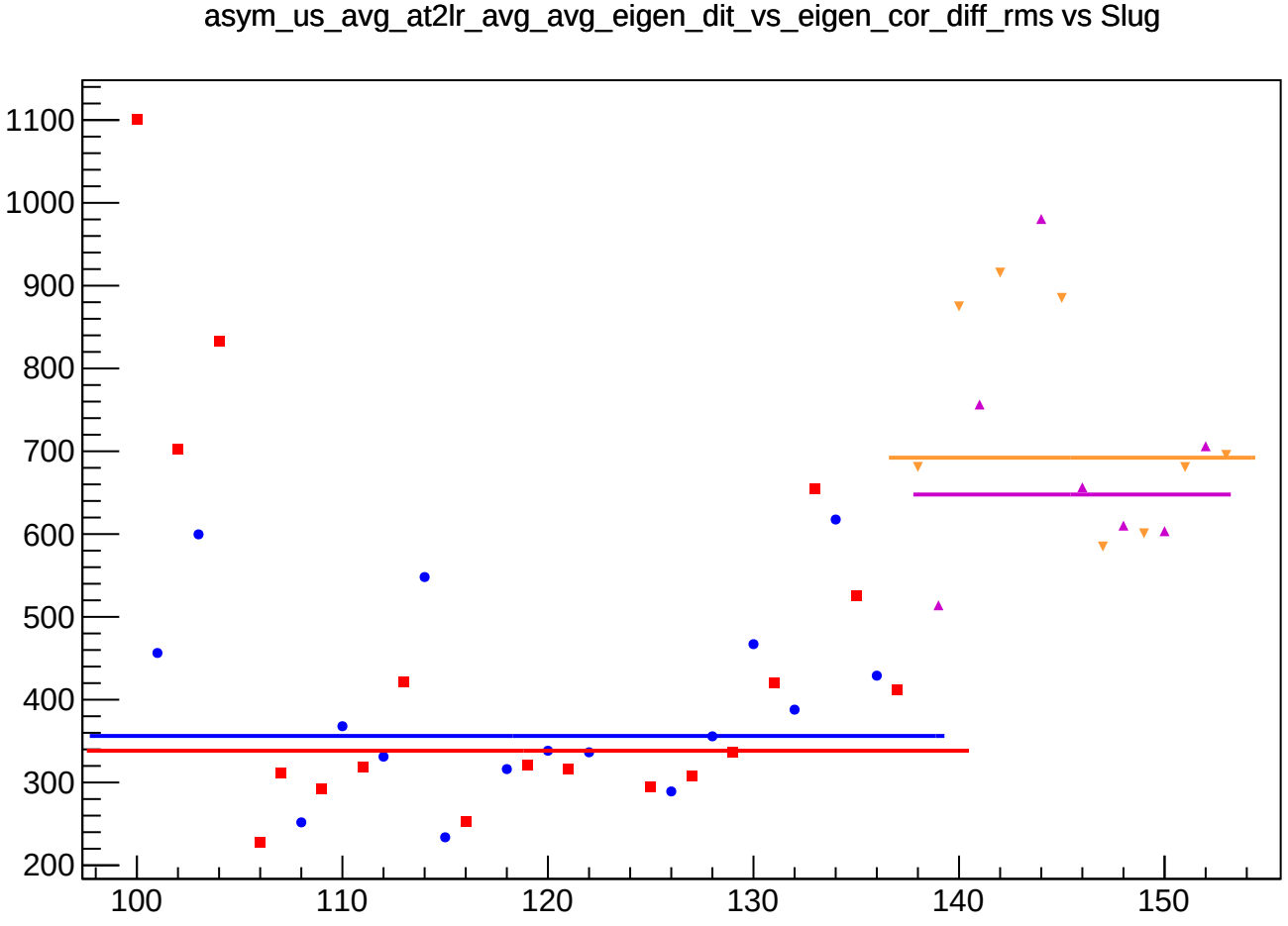
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.244+/-0.269 χ^2/NDF:10.1/6

+ sign -0.026+/-0.126 χ^2/NDF: 24.3/23

All: -0.044+/-0.088 χ^2/NDF: 63.1/48

- sign -0.060+/-0.123 χ^2/NDF: 38.7/24



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 692.271+/-0.201 χ^2/NDF:291834.2/7

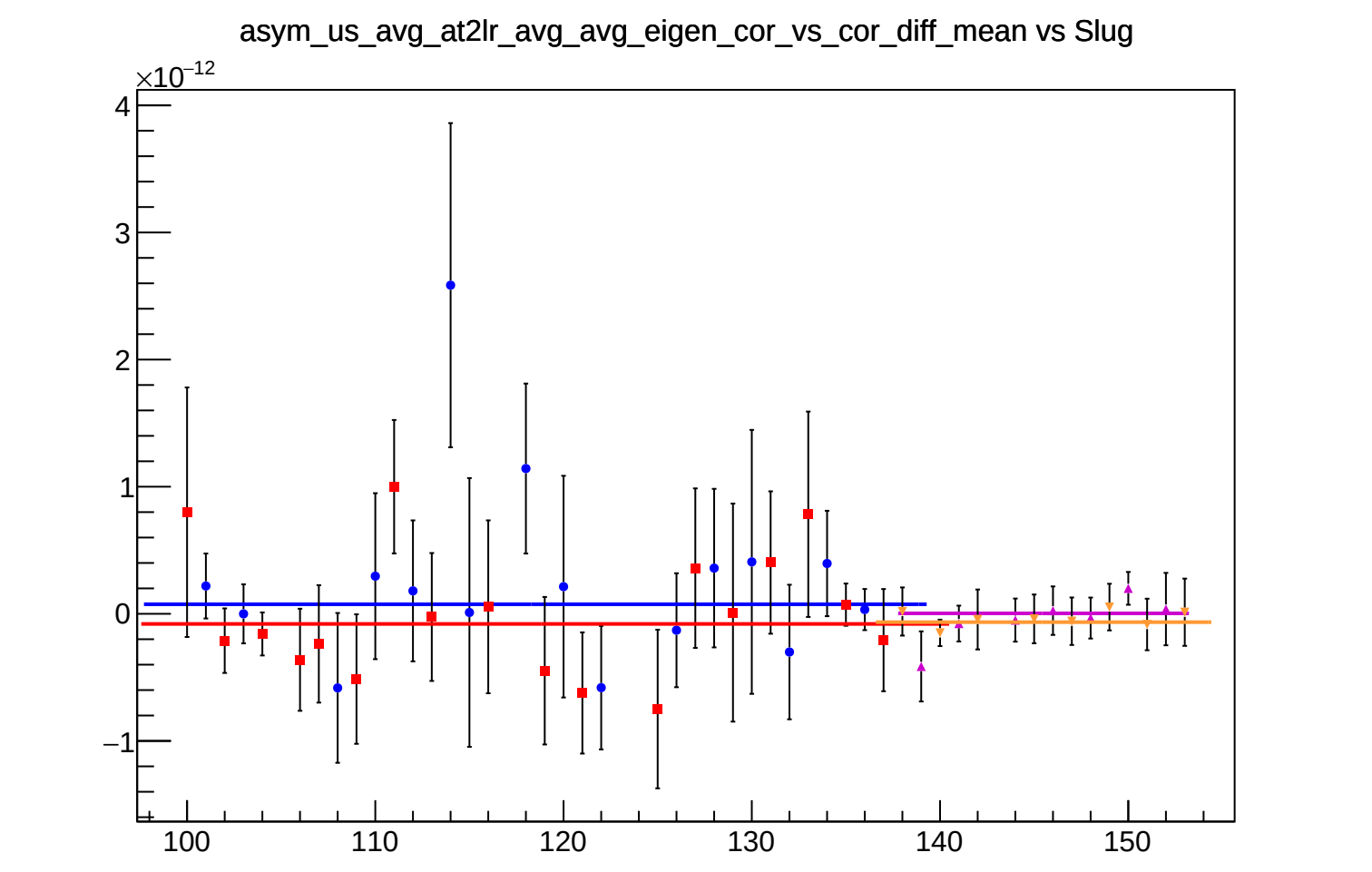
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

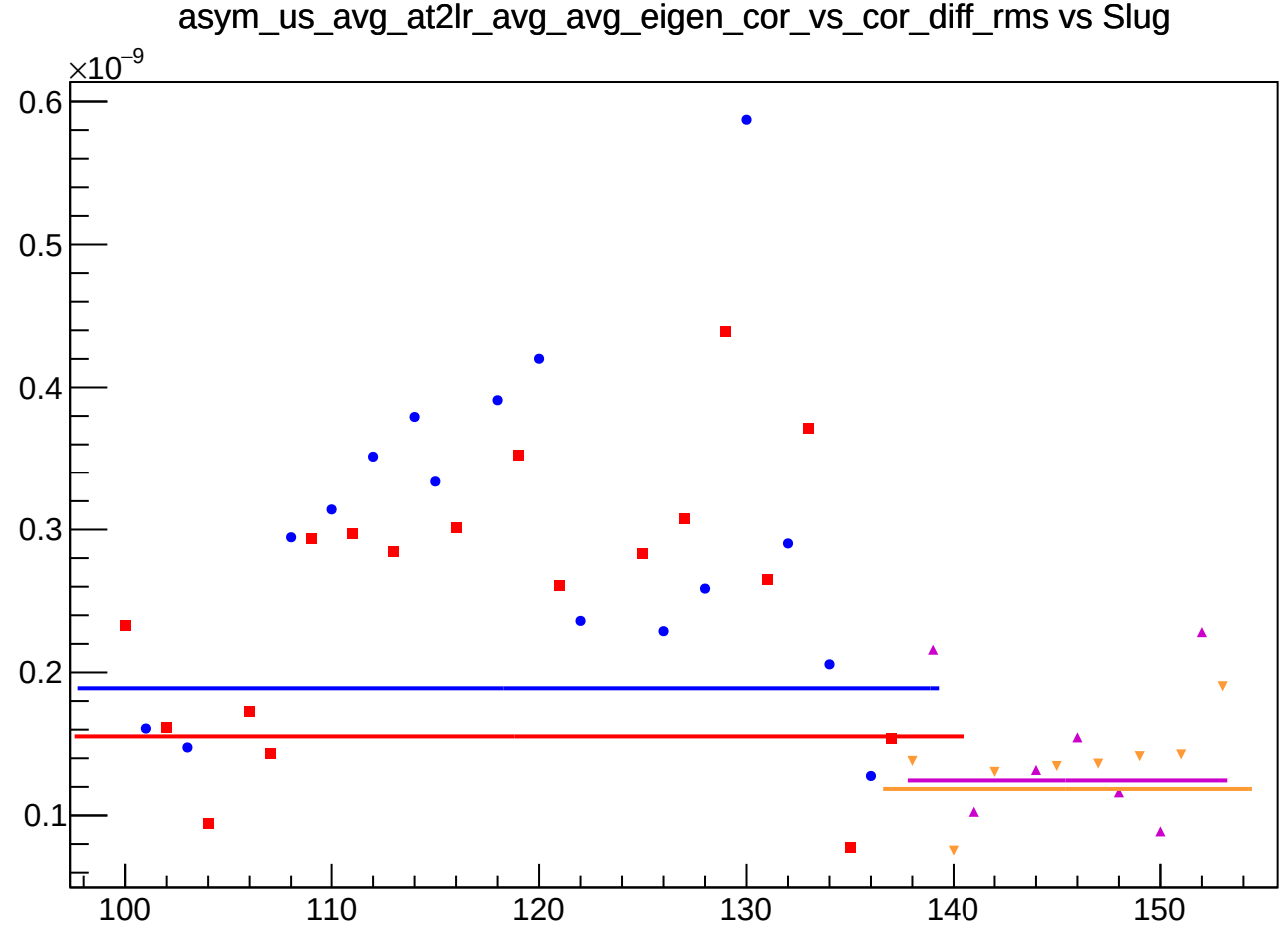
Left In: 647.782+/-0.190 χ^2/NDF:375803.5/6

+ sign 421.778+/-0.089 χ^2/NDF: 3329479.0/23

All: 412.149+/-0.062 χ^2/NDF: 7029110.9/48

- sign 402.939+/-0.087 χ^2/NDF: 3676598.3/24


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:1.4/7
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:5.1/6
+ sign -0.000+/-0.000 χ²/NDF: 14.7/23
All: -0.000+/-0.000 χ²/NDF: 33.5/48
- sign -0.000+/-0.000 χ²/NDF: 18.8/24



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:610968.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

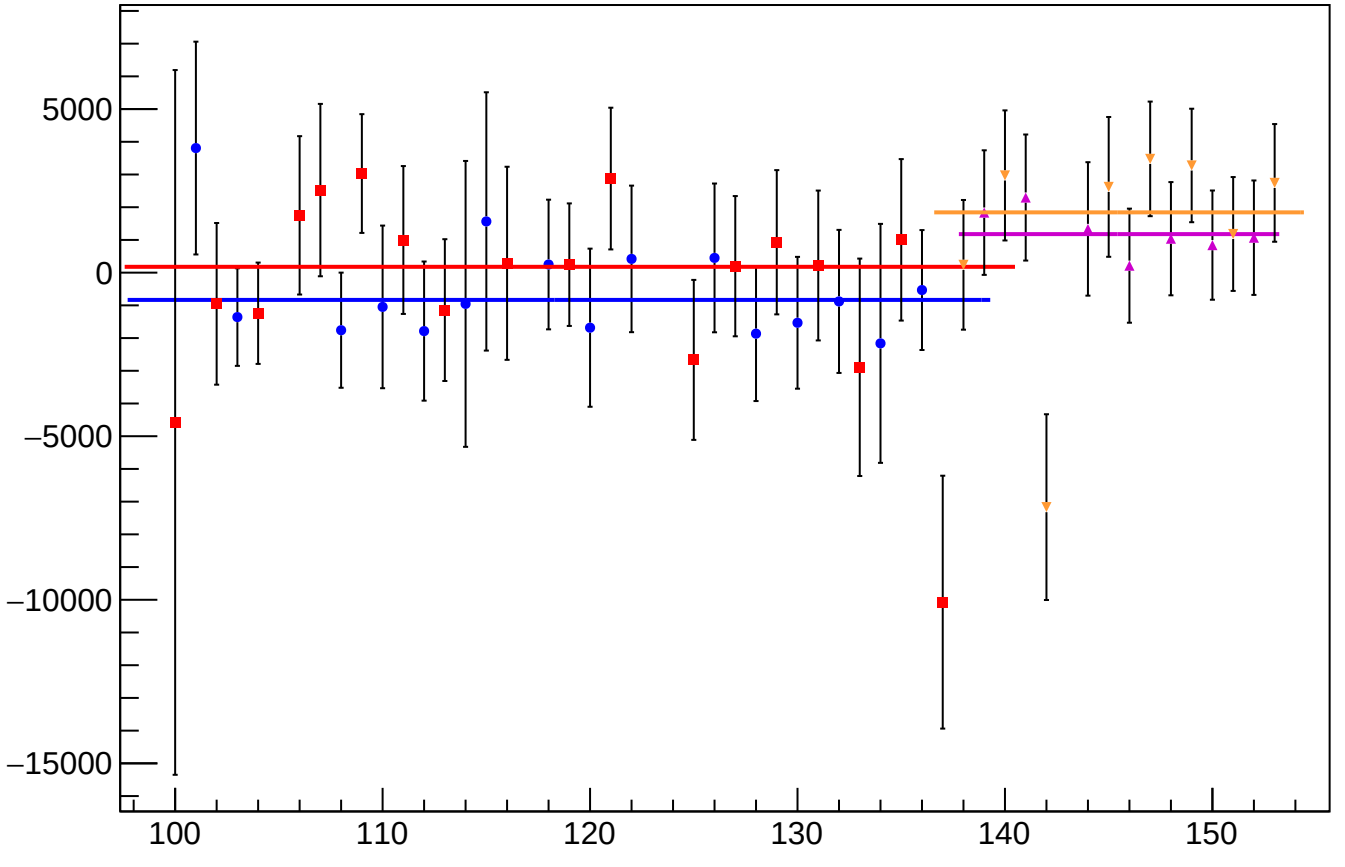
Left In: 0.000+/-0.000 χ^2/NDF:744956.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2887823.6/23

All: 0.000+/-0.000 χ^2/NDF: 6001547.7/48

- sign 0.000+/-0.000 χ^2/NDF: 3109880.4/24

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1842.666+/-682.295 χ^2/NDF:13.1/7

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

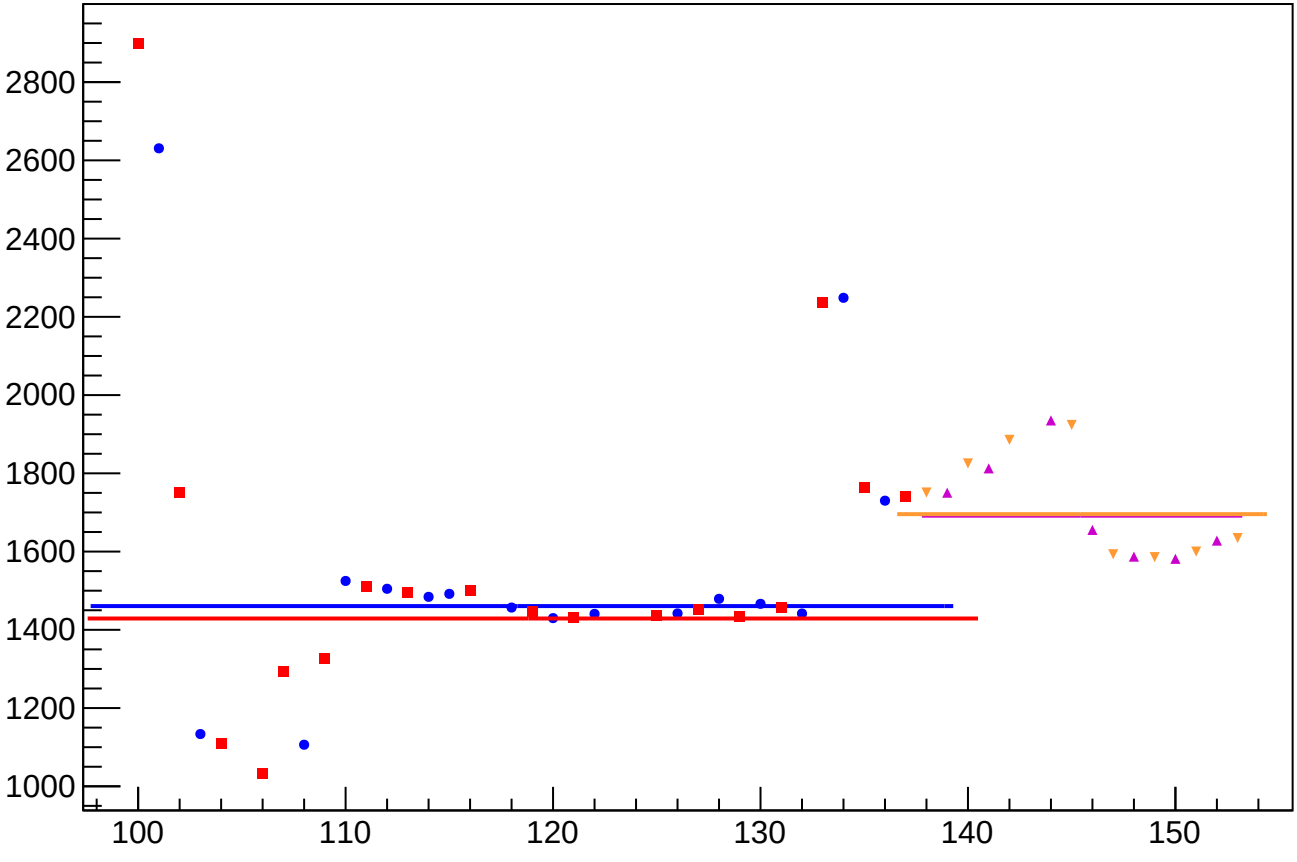
Left In: 1177.983+/-684.525 χ^2/NDF:0.8/6

+ sign 231.764+/-430.469 χ^2/NDF: 27.0/23

All: 401.259+/-303.410 χ^2/NDF: 45.9/48

- sign 568.592+/-427.716 χ^2/NDF: 18.6/24

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1695.661+/-0.482 χ^2/NDF:65026.2/7

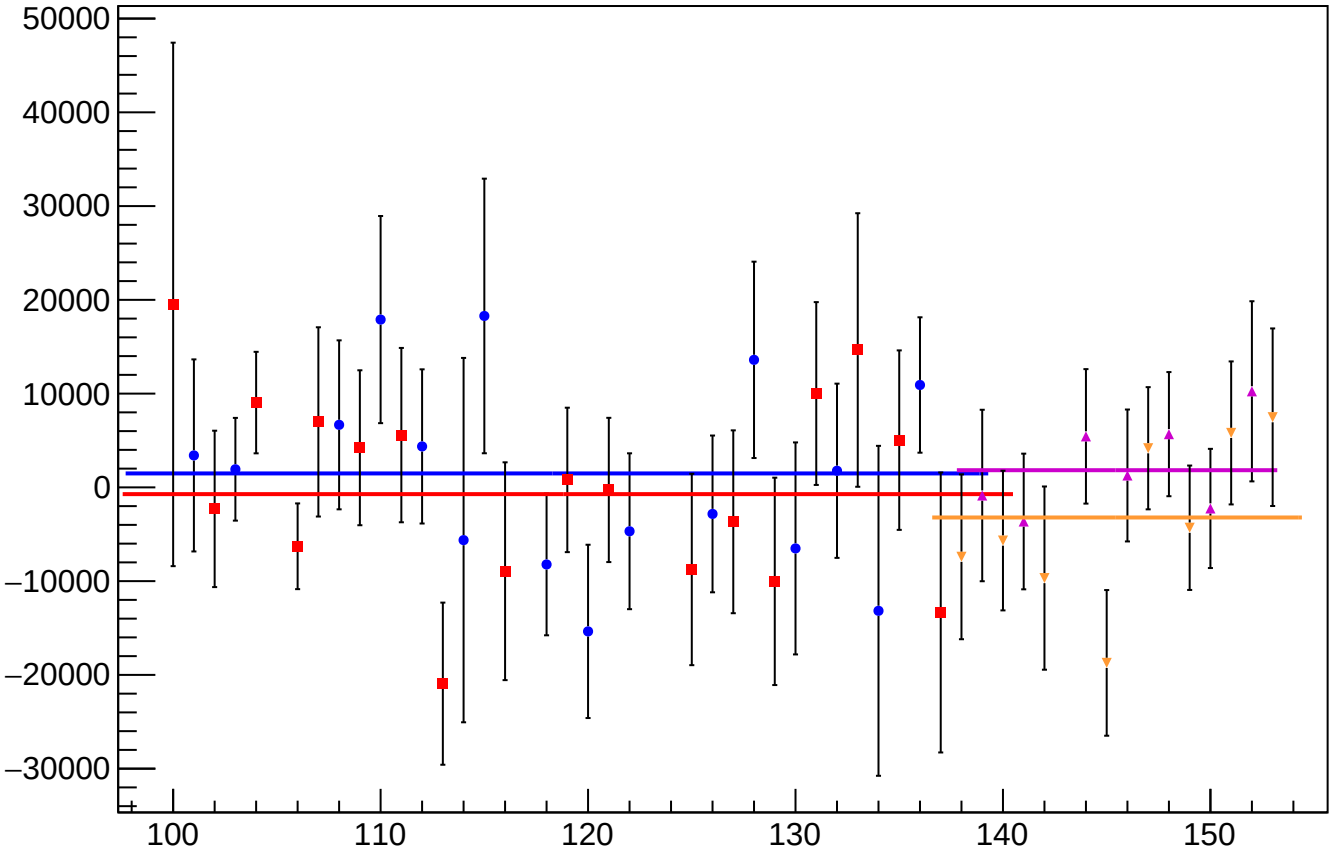
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1691.770+/-0.484 χ^2/NDF:57835.3/6

+ sign 1554.199+/-0.304 χ^2/NDF: 783589.0/23

All: 1542.285+/-0.214 χ^2/NDF: 1436503.3/48

- sign 1530.629+/-0.301 χ^2/NDF: 649883.6/24



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -3211.772+/-2745.779 χ^2/NDF:8.7/7

Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

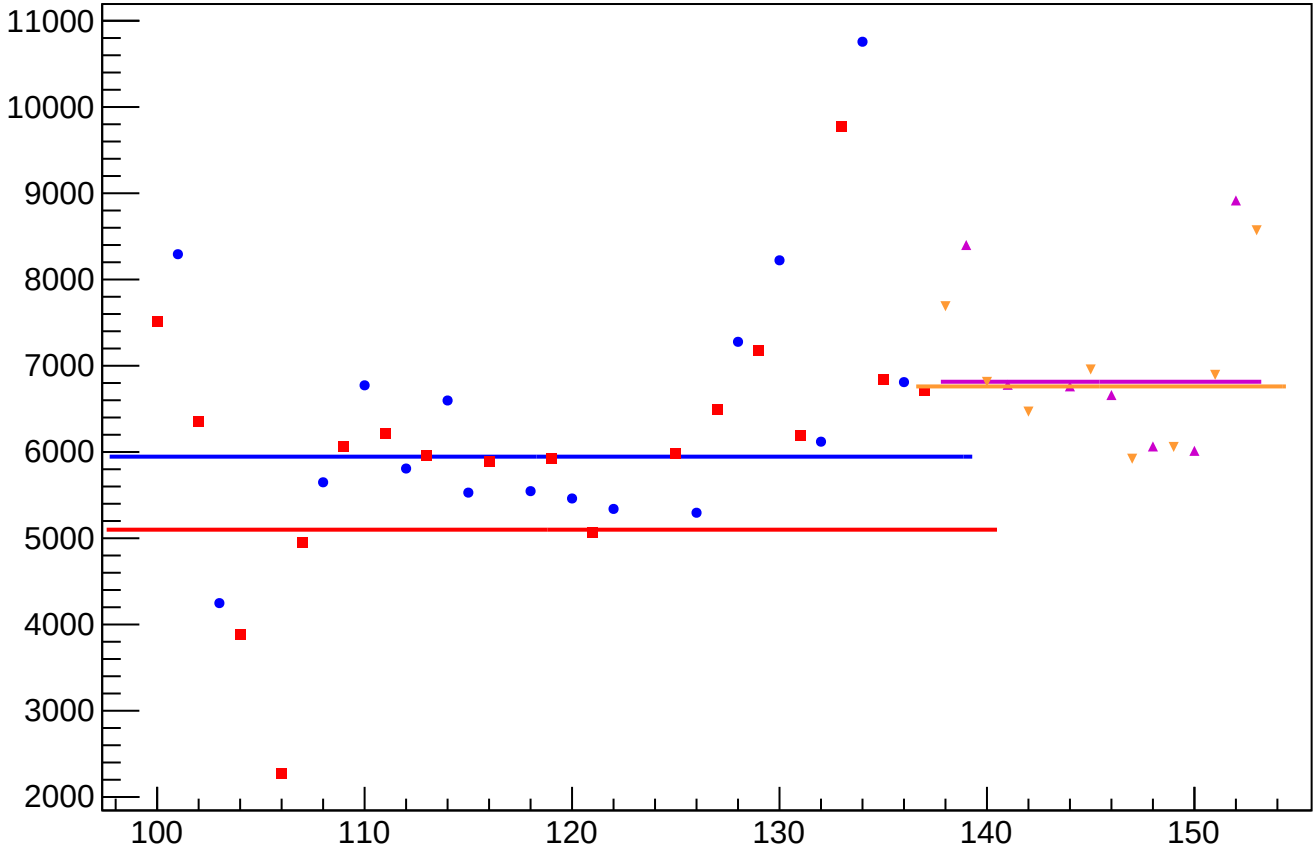
Left In: 1831.398+/-2782.963 χ^2/NDF:2.4/6

+ sign -418.422+/-1748.633 χ^2/NDF: 24.7/23

All: -111.410+/-1192.426 χ^2/NDF: 45.2/48

- sign 155.447+/-1630.272 χ^2/NDF: 20.5/24

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6760.213+/-1.942 χ^2/NDF:154720.6/7

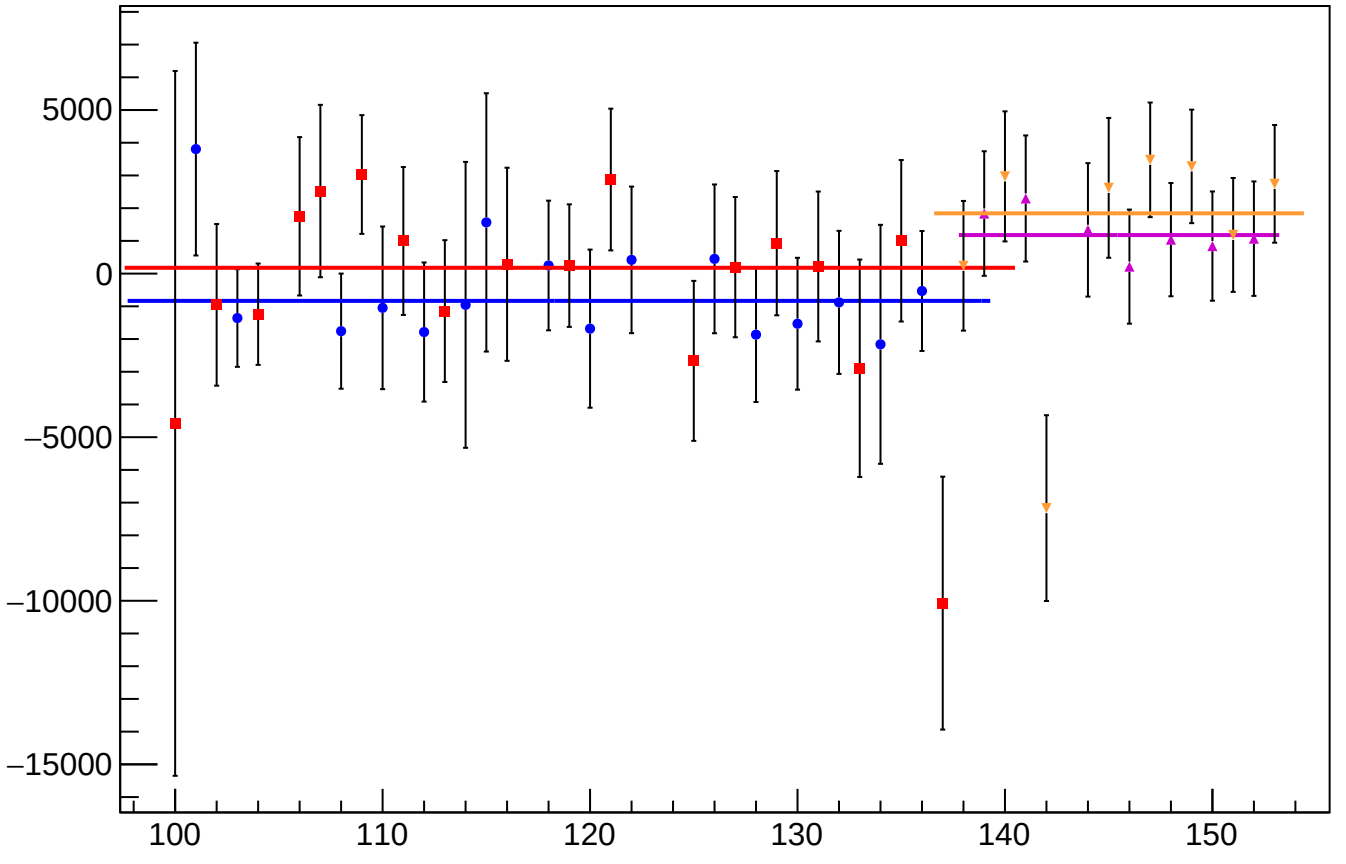
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 6814.643+/-1.968 χ^2/NDF:214459.9/6

+ sign 6276.268+/-1.236 χ^2/NDF: 900369.8/23

All: 5961.552+/-0.843 χ^2/NDF: 3215331.4/48

- sign 5687.998+/-1.153 χ^2/NDF: 2193865.9/24



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1842.665+/-682.295 χ^2/NDF:13.1/7

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

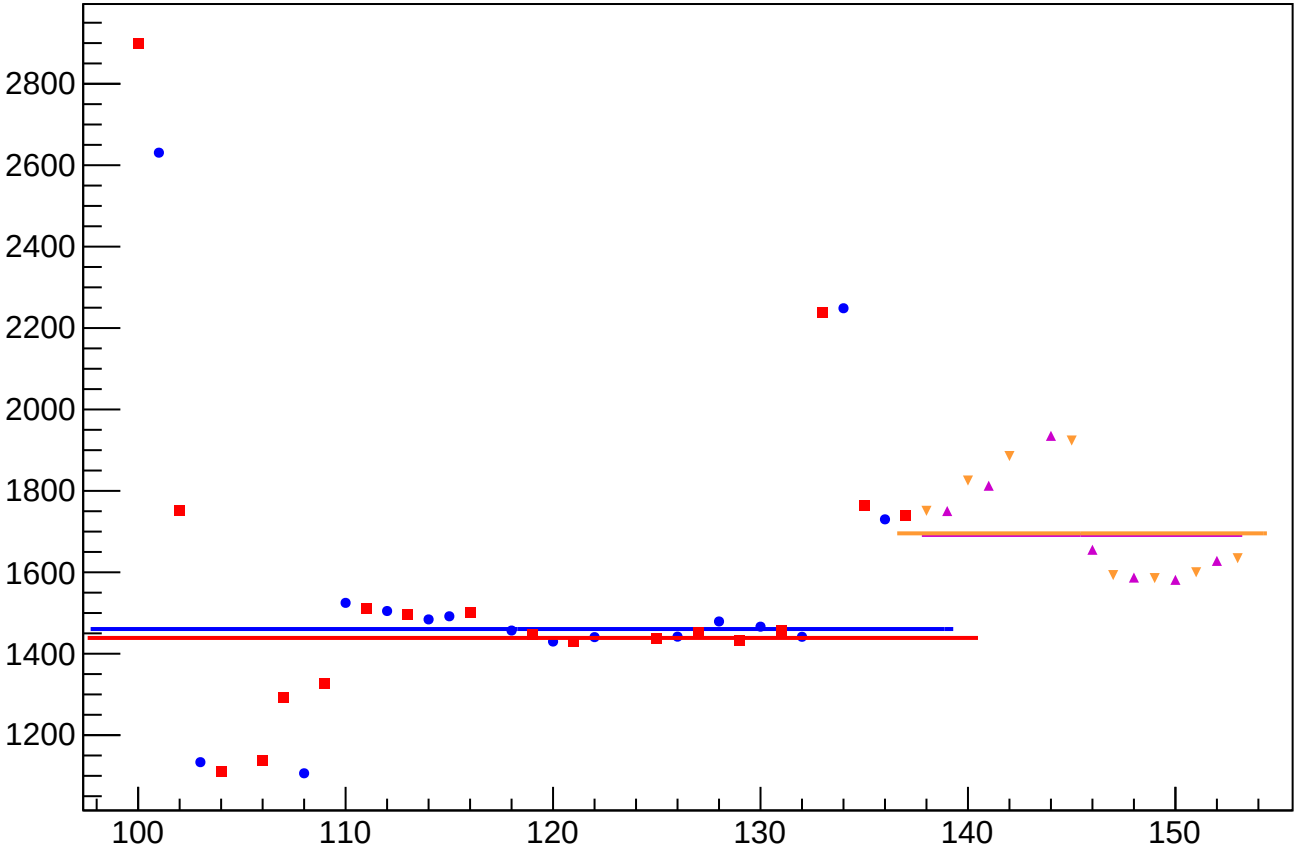
Left In: 1178.037+/-684.525 χ^2/NDF:0.8/6

\+ sign 231.726+/-430.469 χ^2/NDF: 27.0/23

All: 401.202+/-303.410 χ^2/NDF: 45.9/48

\- sign 568.516+/-427.716 χ^2/NDF: 18.6/24

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1695.661+/-0.482 χ^2/NDF:65026.2/7

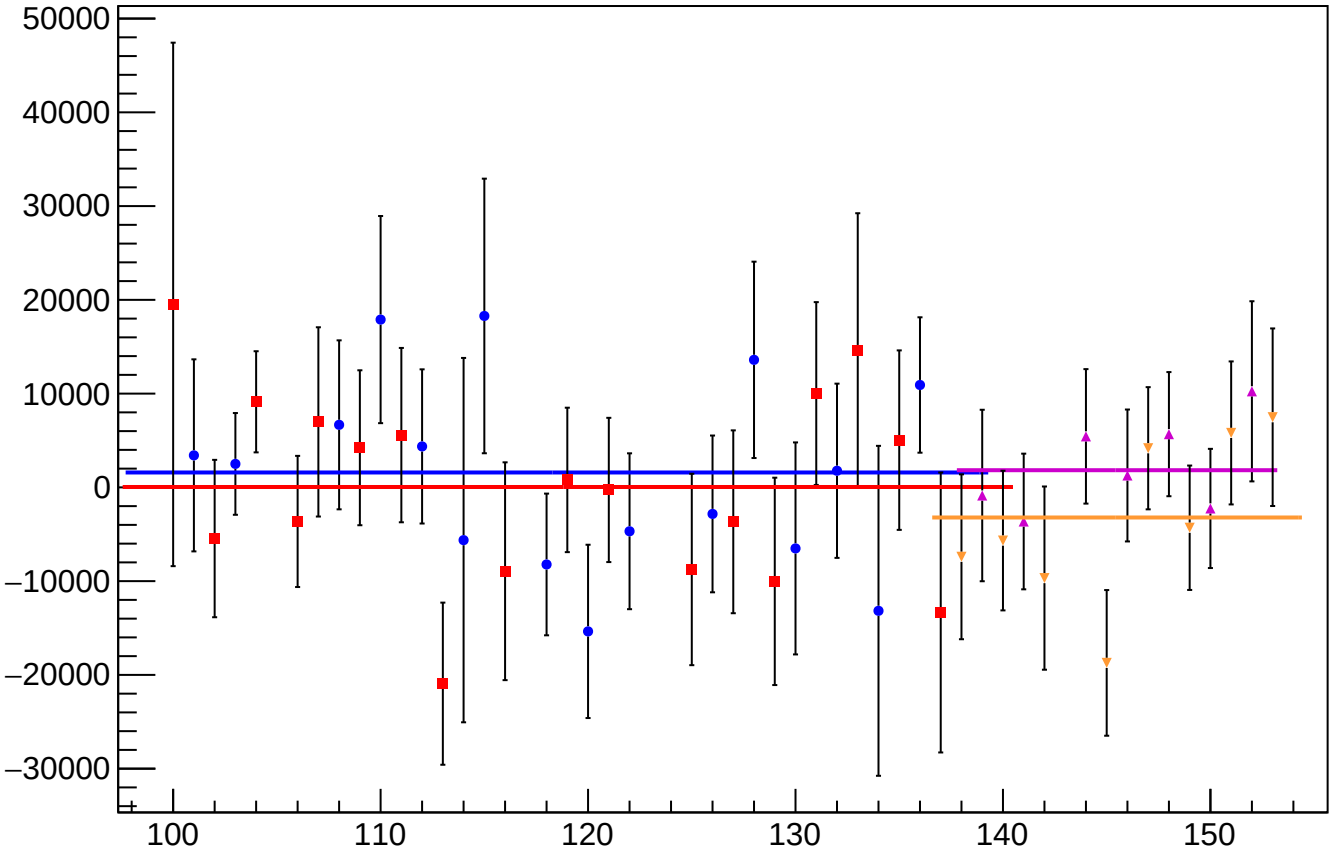
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1691.770+/-0.484 χ^2/NDF:57835.3/6

+ sign 1554.199+/-0.304 χ^2/NDF: 783589.4/23

All: 1545.667+/-0.214 χ^2/NDF: 1383206.7/48

- sign 1537.267+/-0.302 χ^2/NDF: 598058.2/24



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -3211.814+/-2745.777 χ^2/NDF:8.7/7

Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

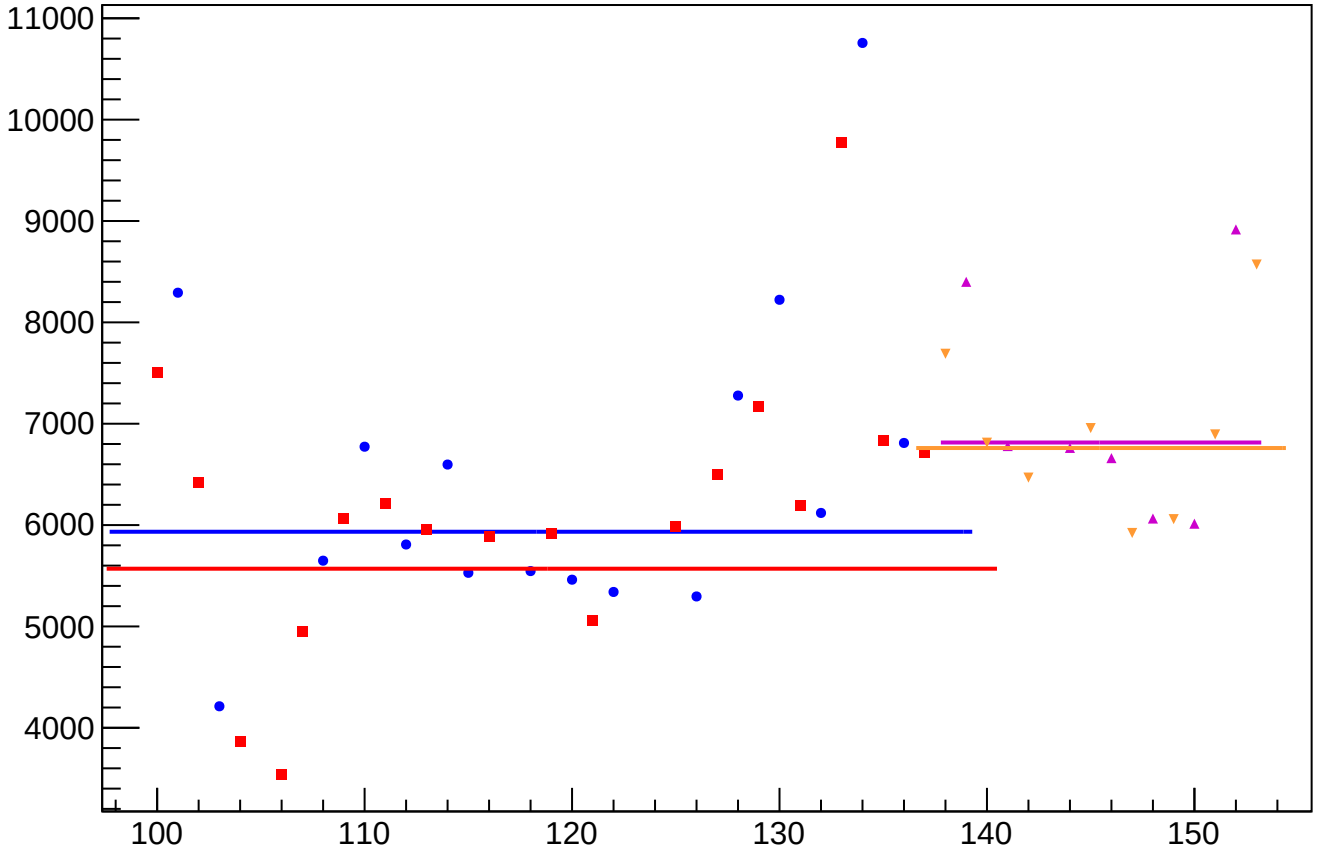
Left In: 1831.421+/-2782.960 χ^2/NDF:2.4/6

+ sign -354.427+/-1746.904 χ^2/NDF: 24.8/23

All: 191.045+/-1215.727 χ^2/NDF: 44.1/48

- sign 703.348+/-1692.959 χ^2/NDF: 19.1/24

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6760.208+/-1.942 χ^2/NDF:154721.1/7

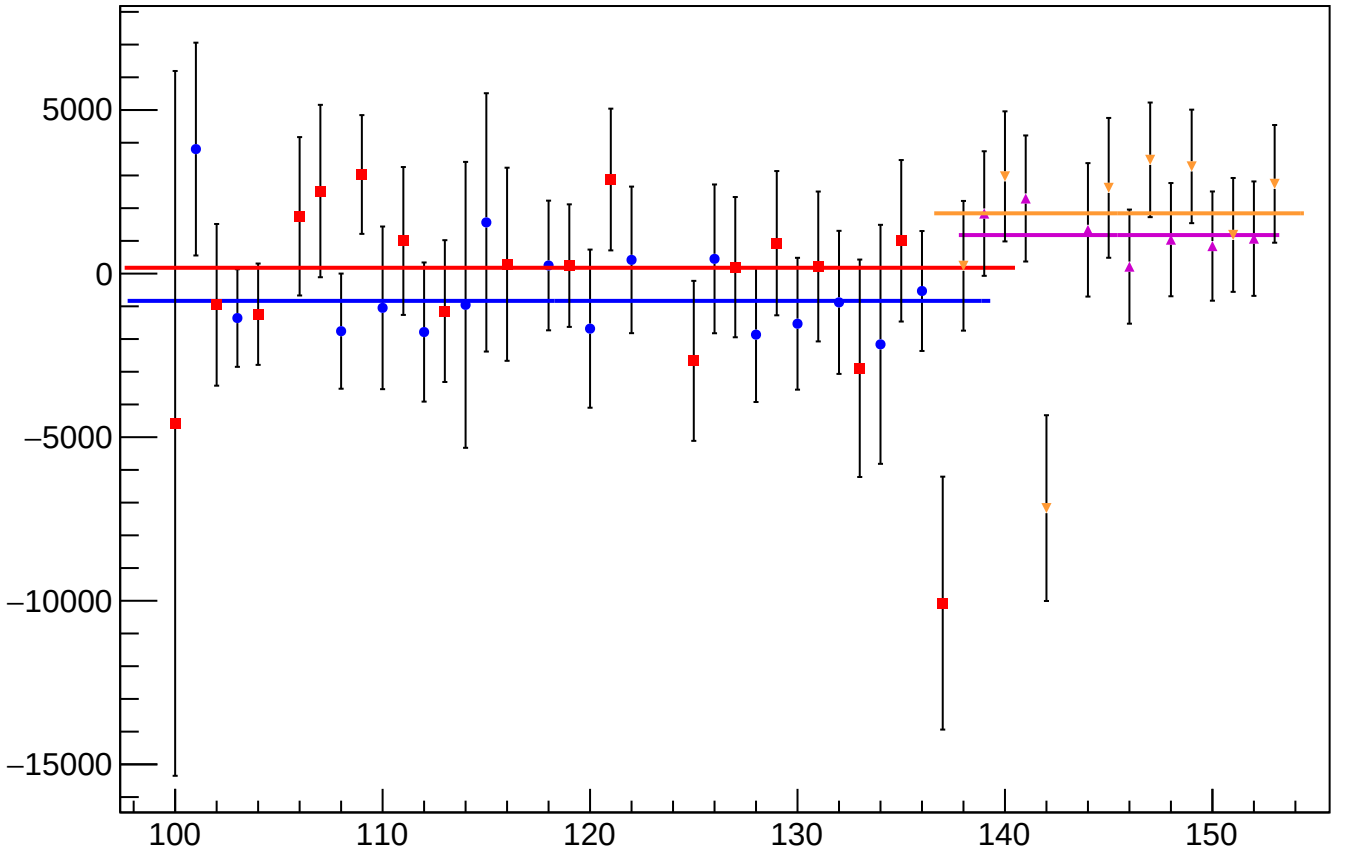
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6814.637+/-1.968 χ^2/NDF:214460.6/6

+ sign 6268.548+/-1.235 χ^2/NDF: 915535.8/23

All: 6145.714+/-0.860 χ^2/NDF: 2125378.3/48

- sign 6030.349+/-1.197 χ^2/NDF: 1190666.8/24



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1842.665+/-682.295 χ^2/NDF:13.1/7

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

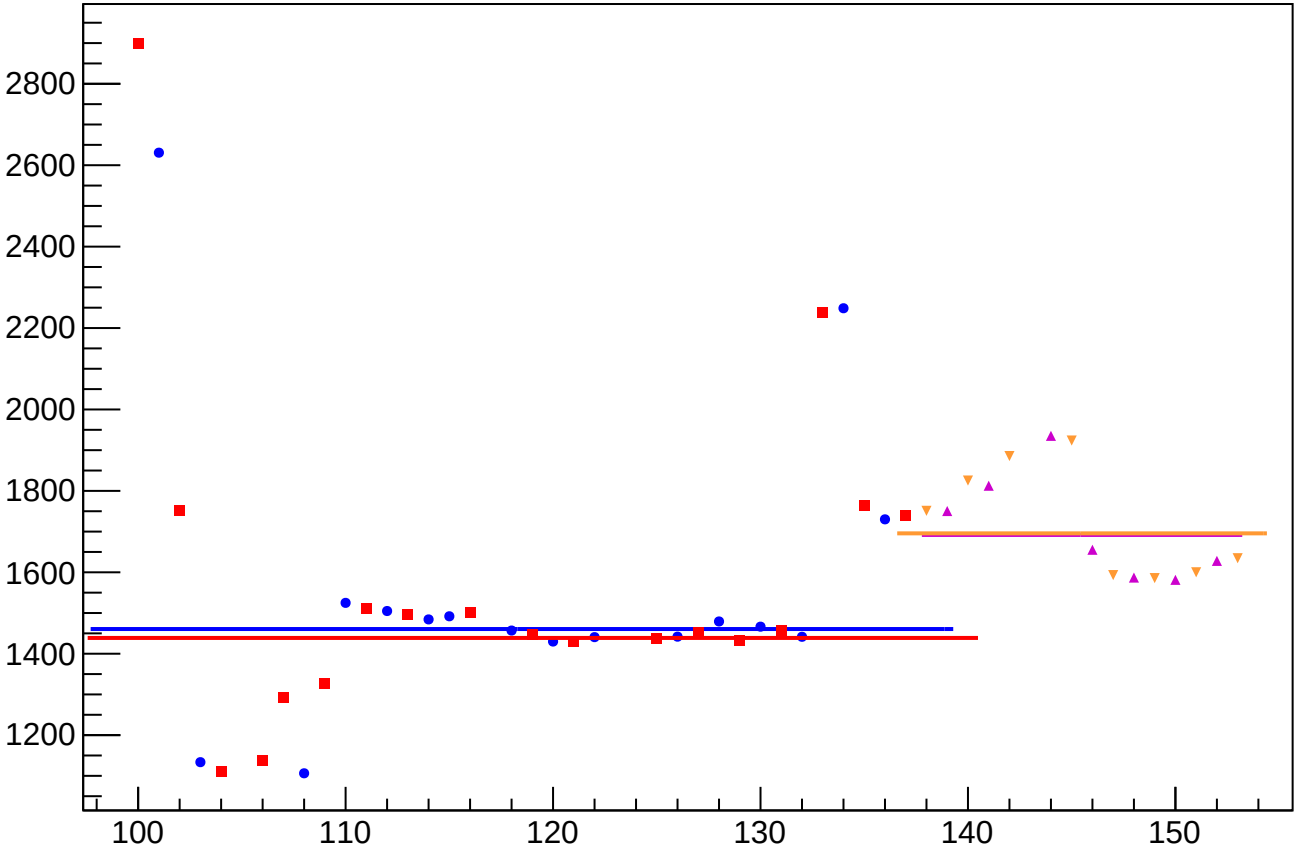
Left In: 1178.037+/-684.525 χ^2/NDF:0.8/6

\+ sign 231.726+/-430.469 χ^2/NDF: 27.0/23

All: 401.202+/-303.410 χ^2/NDF: 45.9/48

\- sign 568.516+/-427.716 χ^2/NDF: 18.6/24

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1695.661+/-0.482 χ^2/NDF:65026.2/7

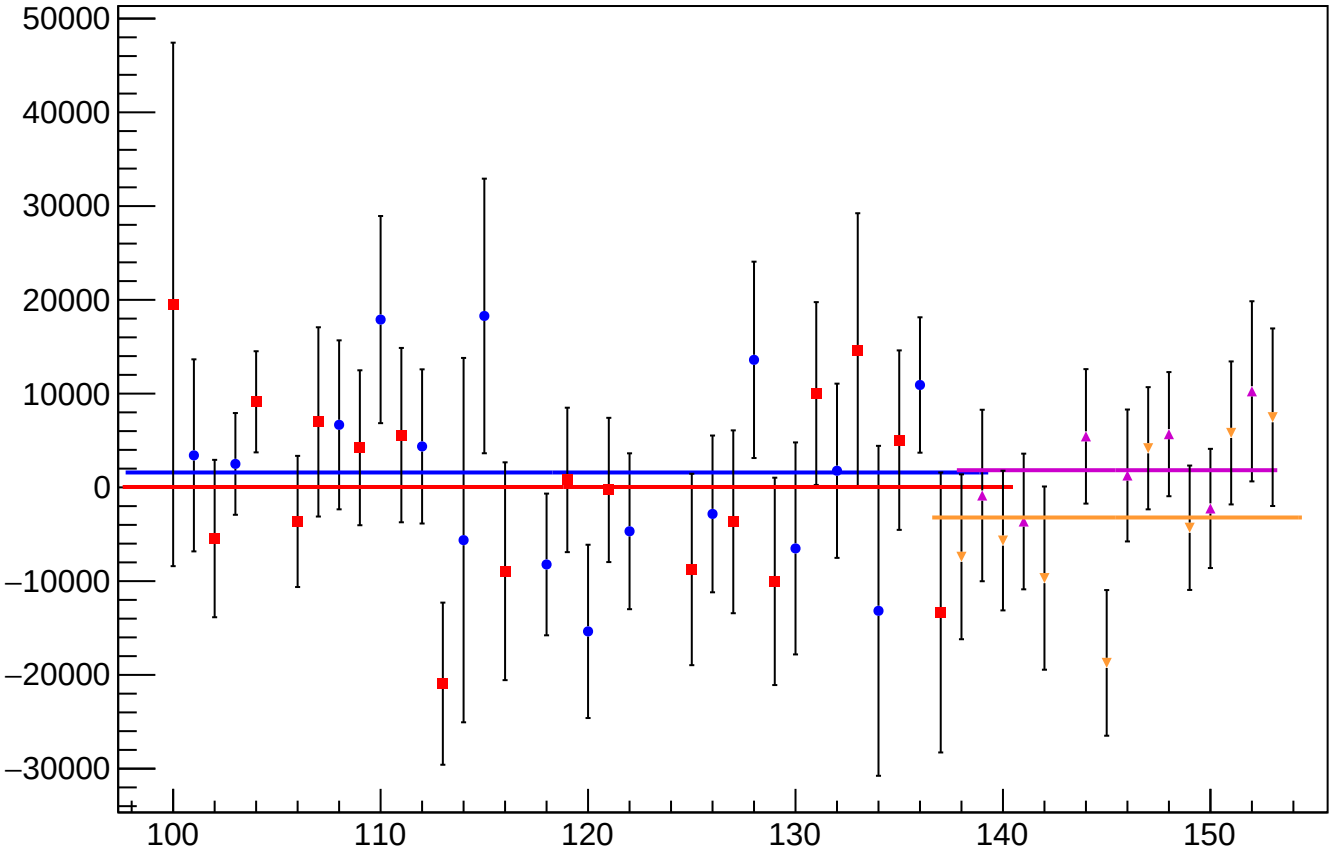
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1691.770+/-0.484 χ^2/NDF:57835.3/6

+ sign 1554.199+/-0.304 χ^2/NDF: 783589.4/23

All: 1545.667+/-0.214 χ^2/NDF: 1383206.7/48

- sign 1537.267+/-0.302 χ^2/NDF: 598058.2/24



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -3211.814+/-2745.777 χ^2/NDF:8.7/7

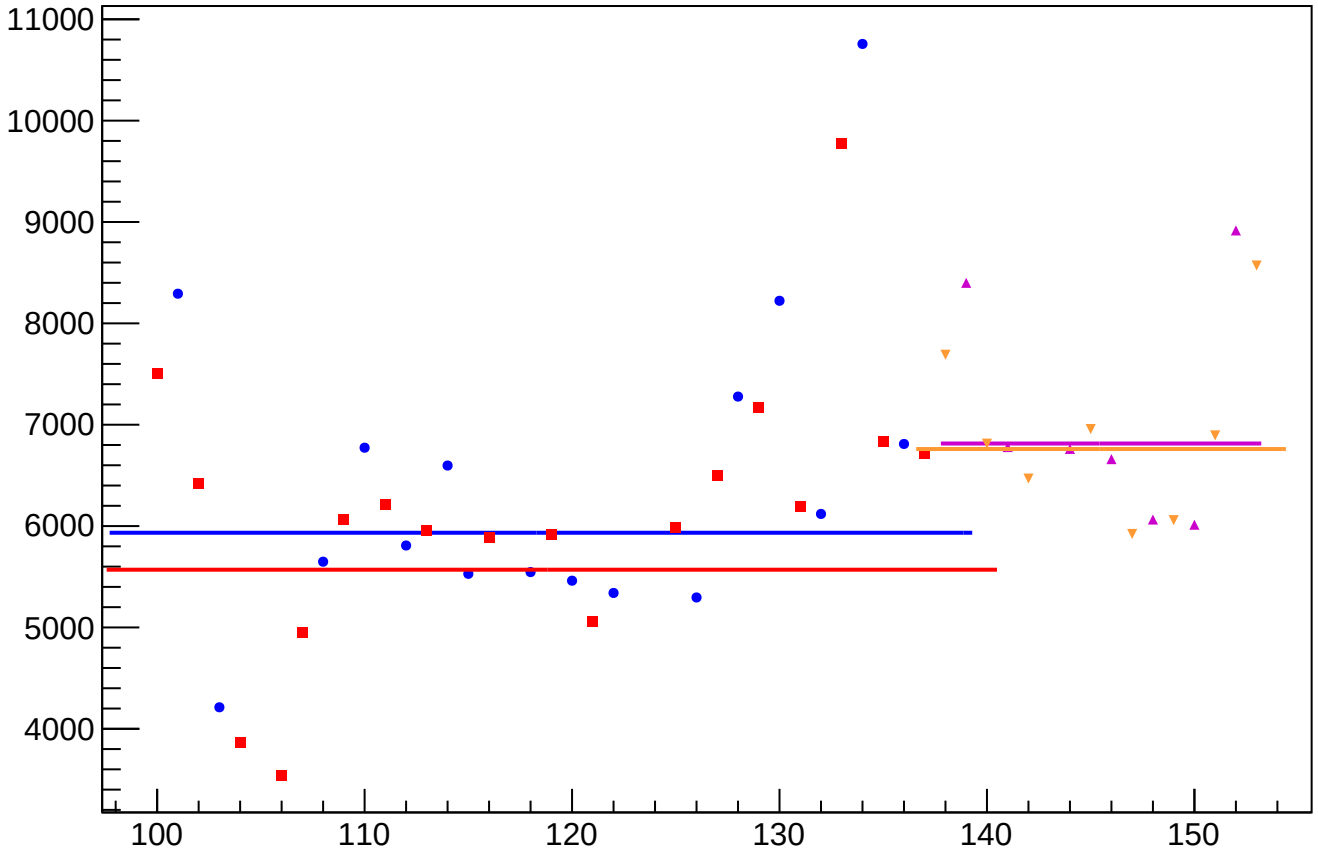
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1831.421+/-2782.960 χ^2/NDF:2.4/6

+ sign -354.427+/-1746.904 χ^2/NDF: 24.8/23

All: 191.045+/-1215.727 χ^2/NDF: 44.1/48

- sign 703.348+/-1692.959 χ^2/NDF: 19.1/24



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6760.208+/-1.942 χ^2/NDF:154721.1/7

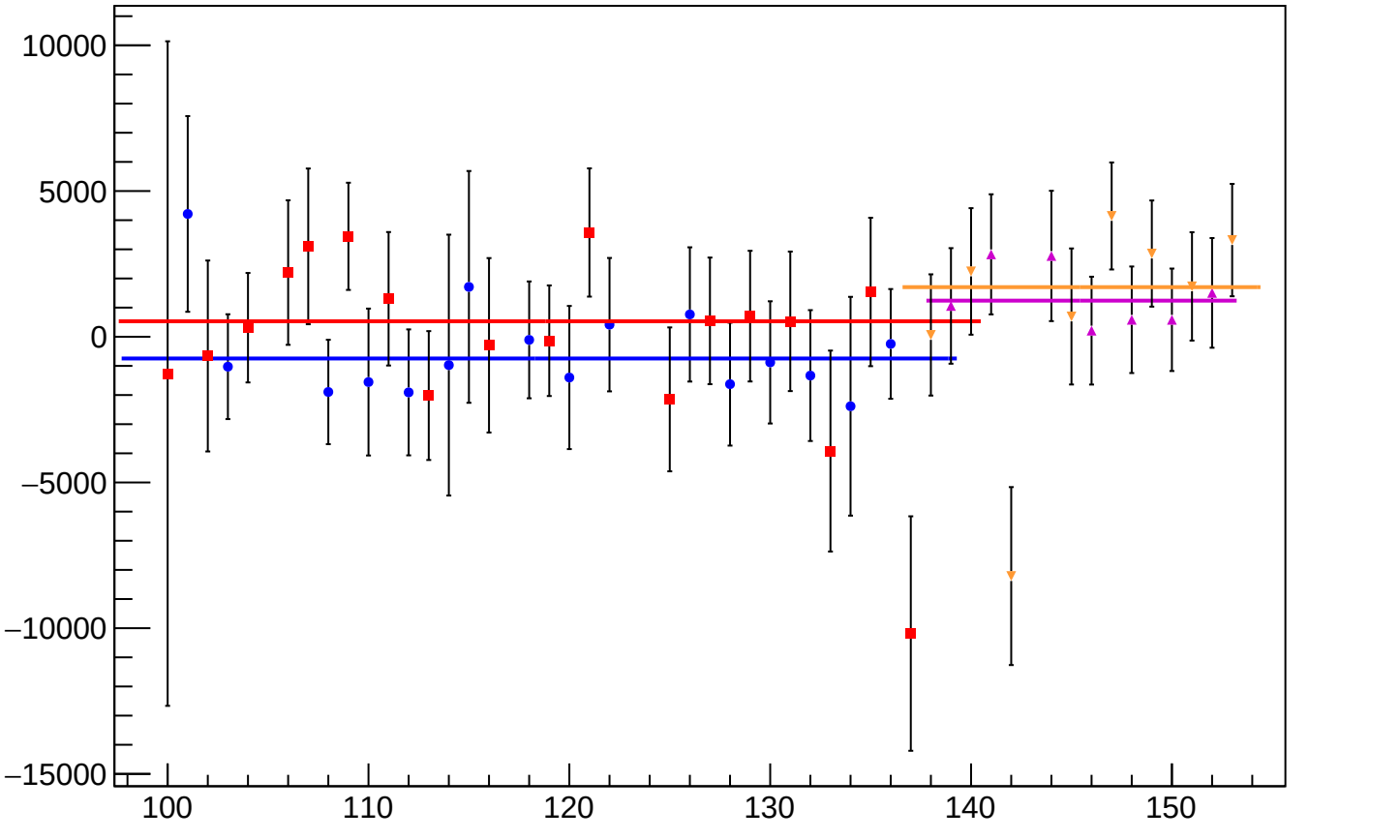
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6814.637+/-1.968 χ^2/NDF:214460.6/6

+ sign 6268.548+/-1.235 χ^2/NDF: 915535.8/23

All: 6145.714+/-0.860 χ^2/NDF: 2125378.3/48

- sign 6030.349+/-1.197 χ^2/NDF: 1190666.8/24



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1702.540+/-727.355 χ^2/NDF:14.3/7

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

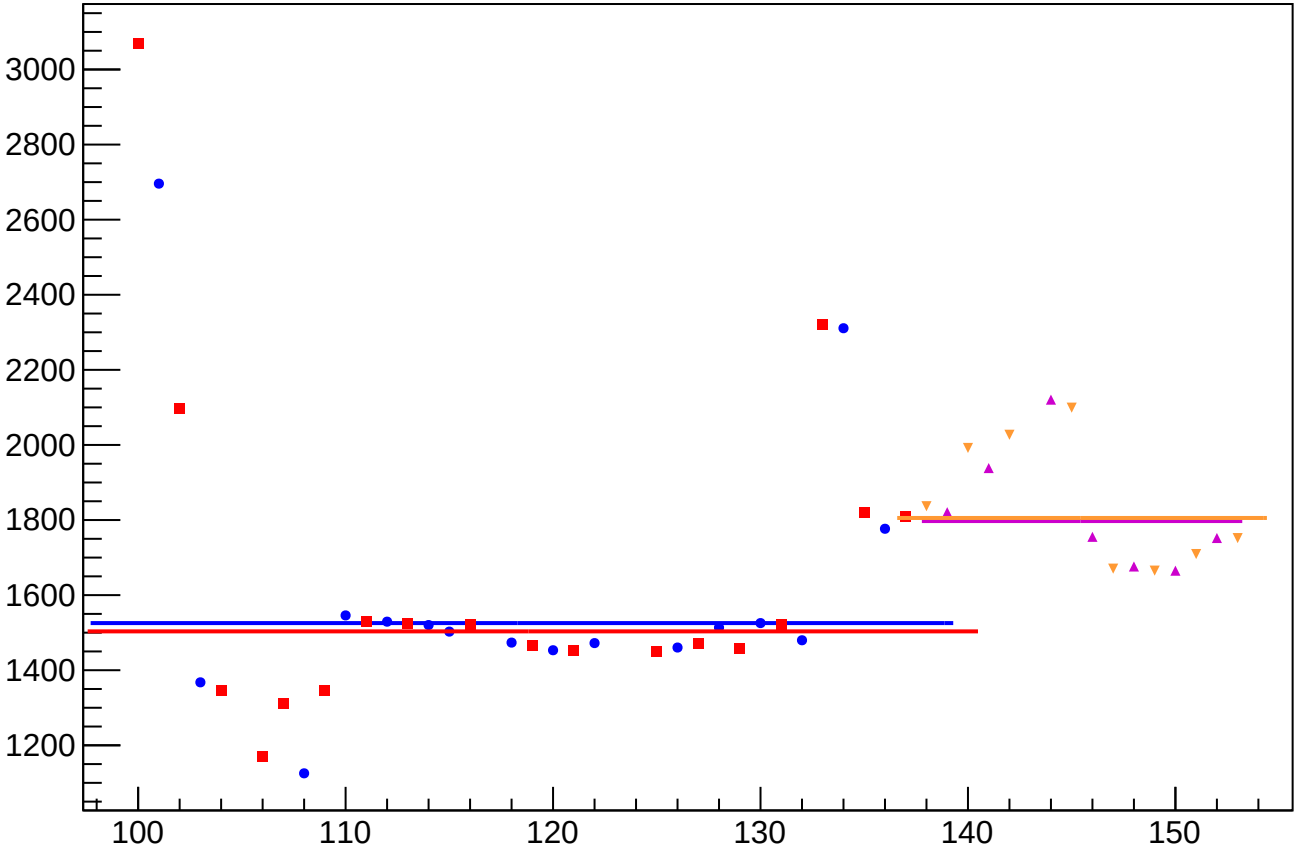
Left In: 1239.363+/-727.911 χ^2/NDF:1.7/6

\+ sign 201.930+/-452.553 χ^2/NDF: 26.0/23

All: 503.536+/-319.546 χ^2/NDF: 46.9/48

\- sign 803.424+/-451.262 χ^2/NDF: 20.0/24

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1805.501+/-0.514 χ^2/NDF:86984.5/7

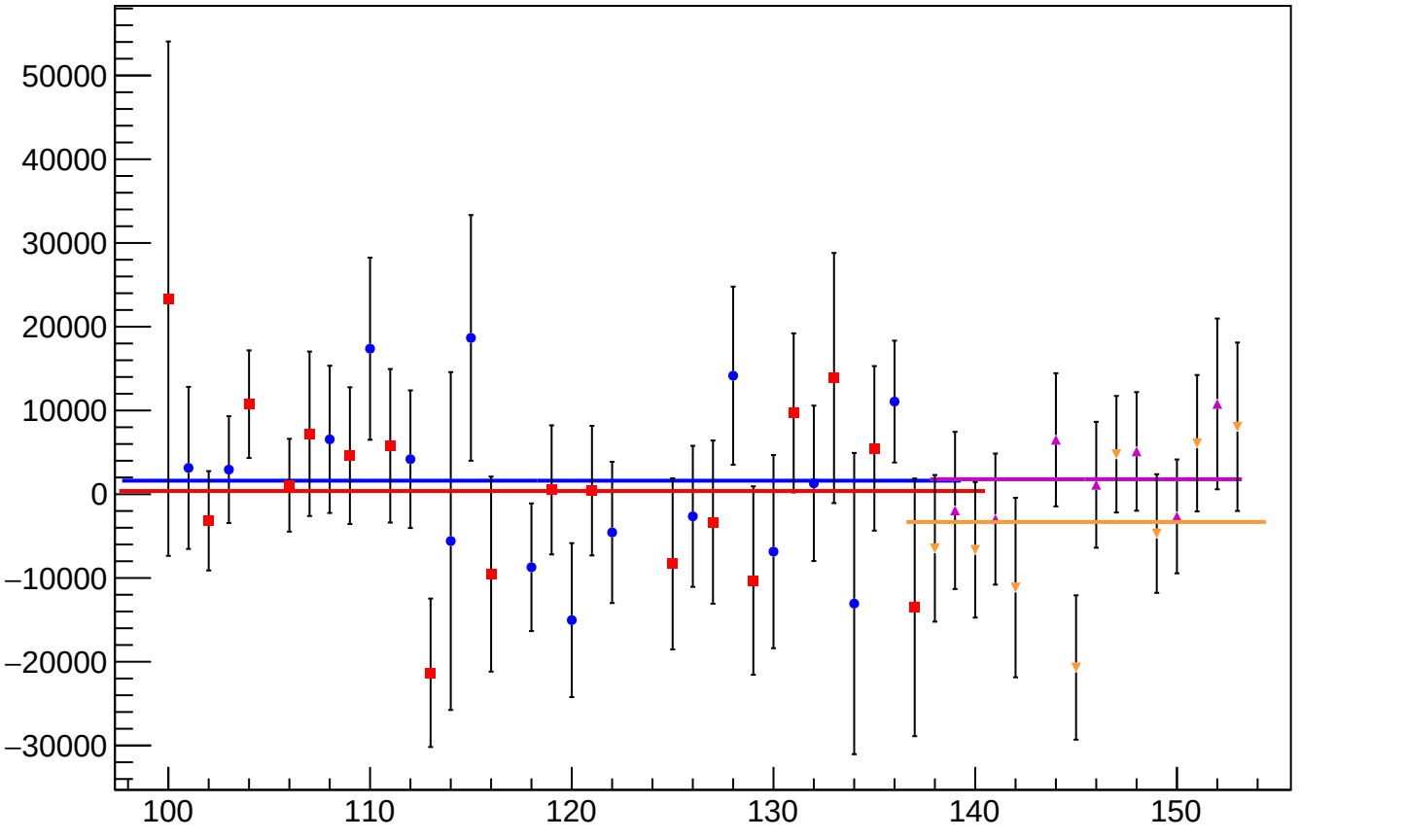
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1797.278+/-0.515 χ^2/NDF:73775.5/6

+ sign 1633.916+/-0.320 χ^2/NDF: 756914.4/23

All: 1625.094+/-0.226 χ^2/NDF: 1371414.5/48

- sign 1616.326+/-0.319 χ^2/NDF: 612984.8/24



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -3313.991+/-2935.414 χ^2/NDF:8.9/7

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

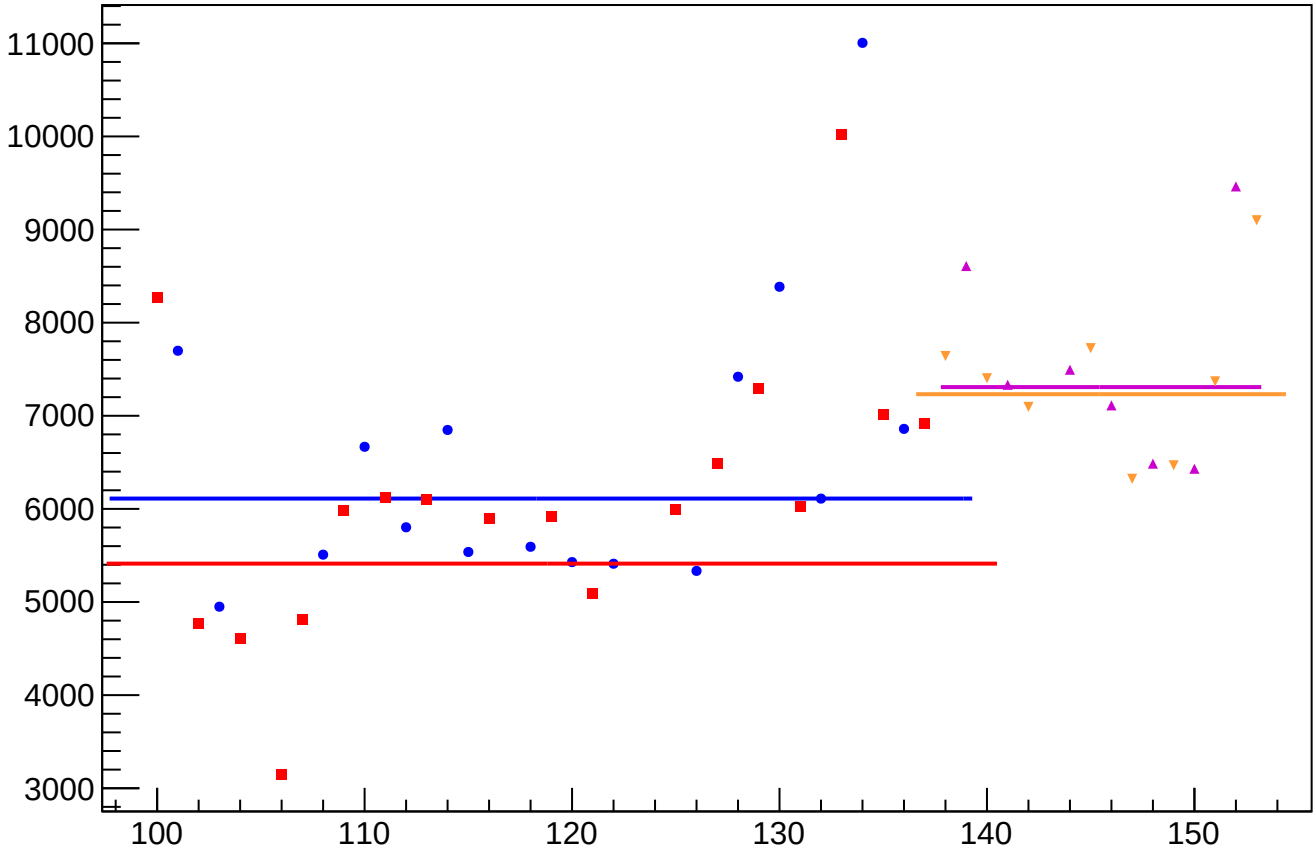
Left In: 1788.392+/-2982.369 χ^2/NDF:2.3/6

+ sign -277.033+/-1820.169 χ^2/NDF: 24.9/23

All: 320.626+/-1240.615 χ^2/NDF: 43.6/48

- sign 839.190+/-1695.453 χ^2/NDF: 18.5/24

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7231.791+/-2.076 χ^2/NDF:139128.1/7

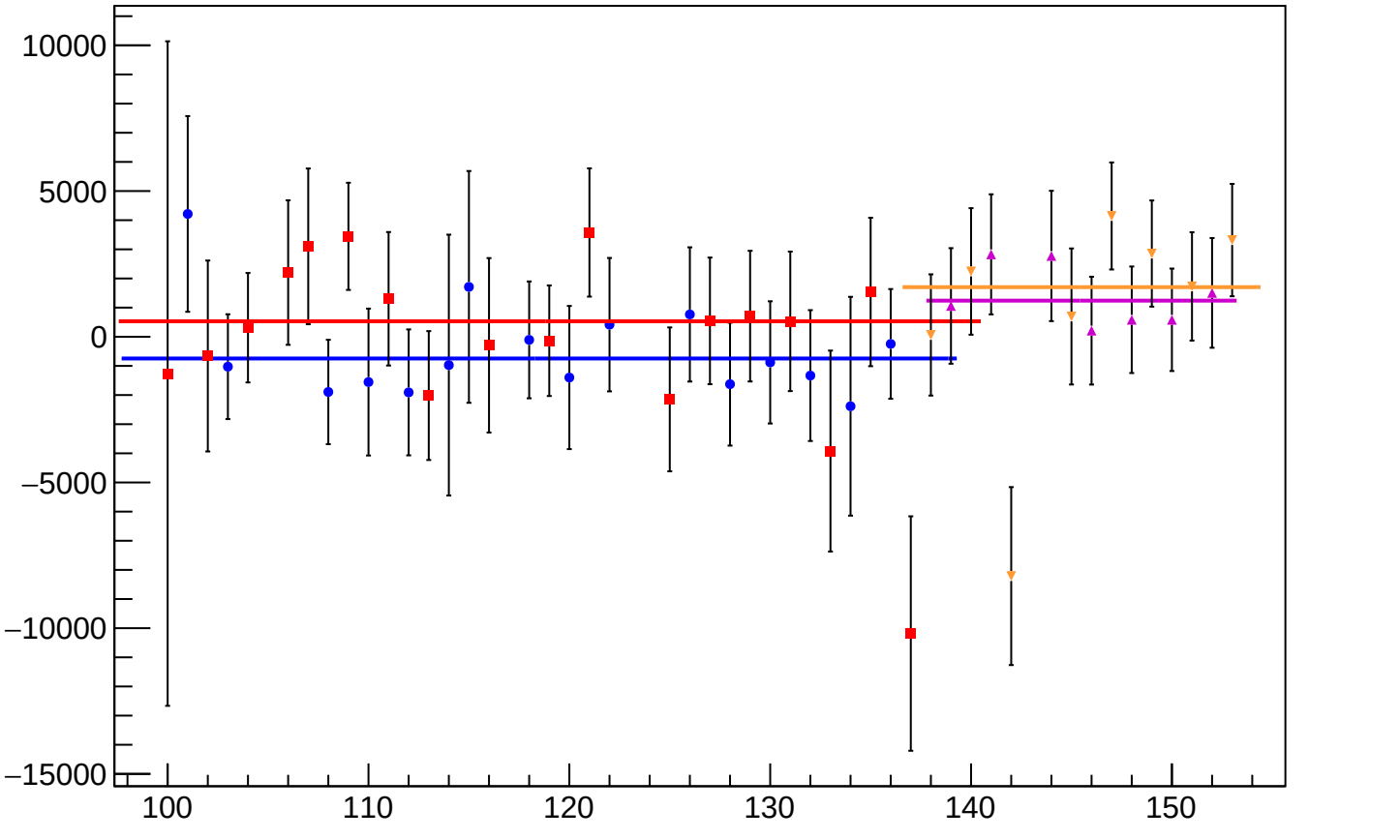
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7308.178+/-2.109 χ^2/NDF:190494.5/6

+ sign 6541.955+/-1.287 χ^2/NDF: 790241.1/23

All: 6265.161+/-0.877 χ^2/NDF: 2435675.3/48

- sign 6024.999+/-1.199 χ^2/NDF: 1559053.6/24



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1702.534+/-727.356 χ^2/NDF:14.3/7

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

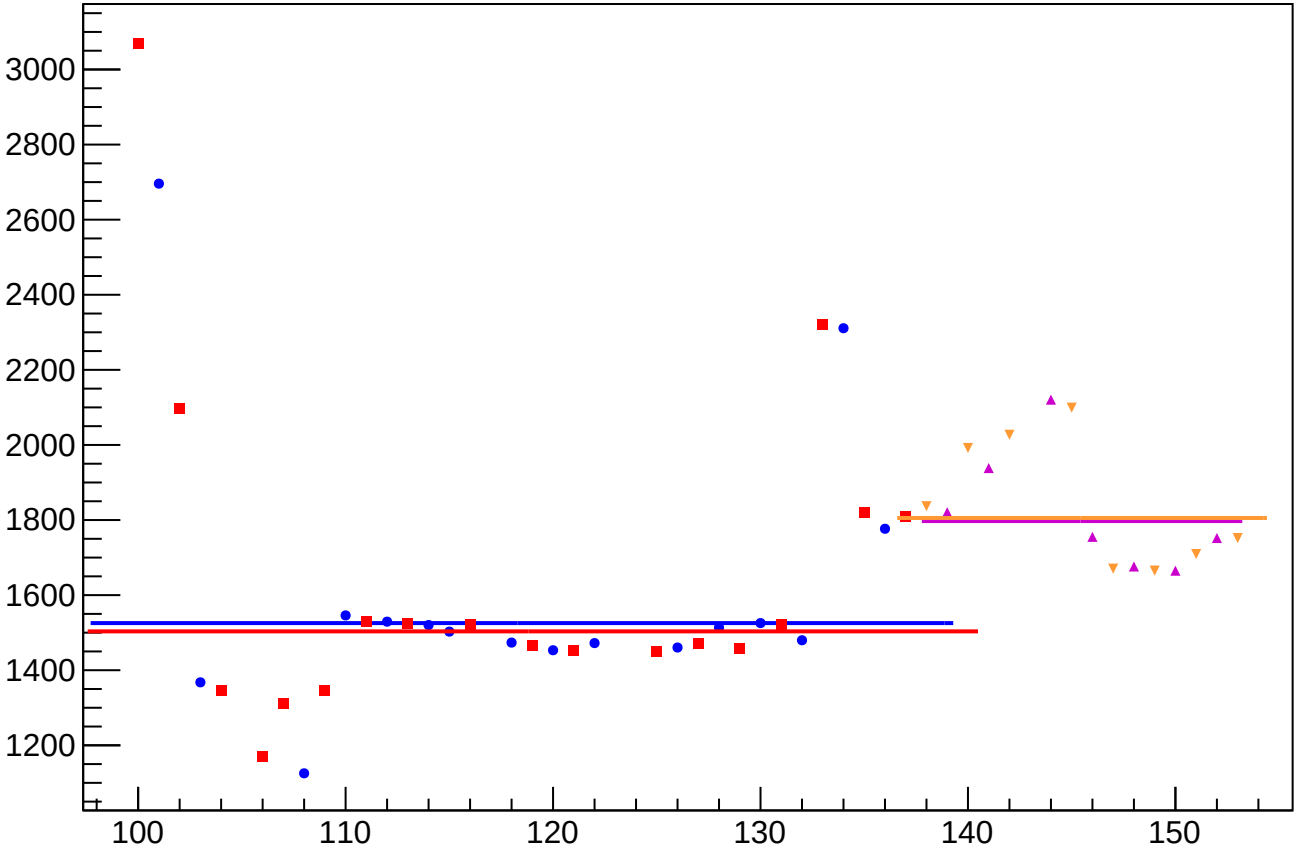
Left In: 1239.359+/-727.912 χ^2/NDF:1.7/6

\+ sign 201.924+/-452.553 χ^2/NDF: 26.0/23

All: 503.534+/-319.546 χ^2/NDF: 46.9/48

\- sign 803.428+/-451.263 χ^2/NDF: 20.0/24

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1805.503+/-0.514 χ^2/NDF:86985.4/7

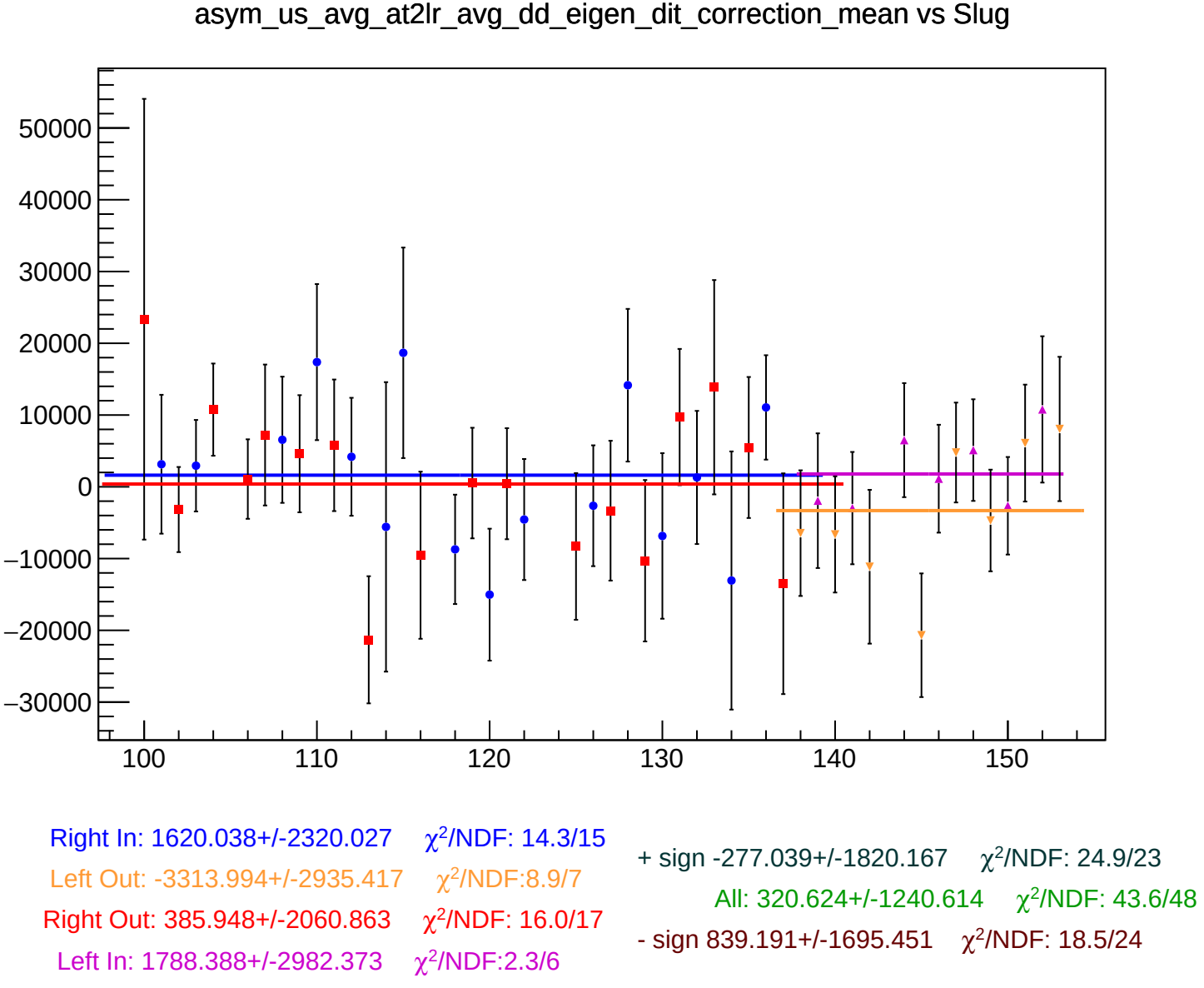
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1797.280+/-0.515 χ^2/NDF:73775.7/6

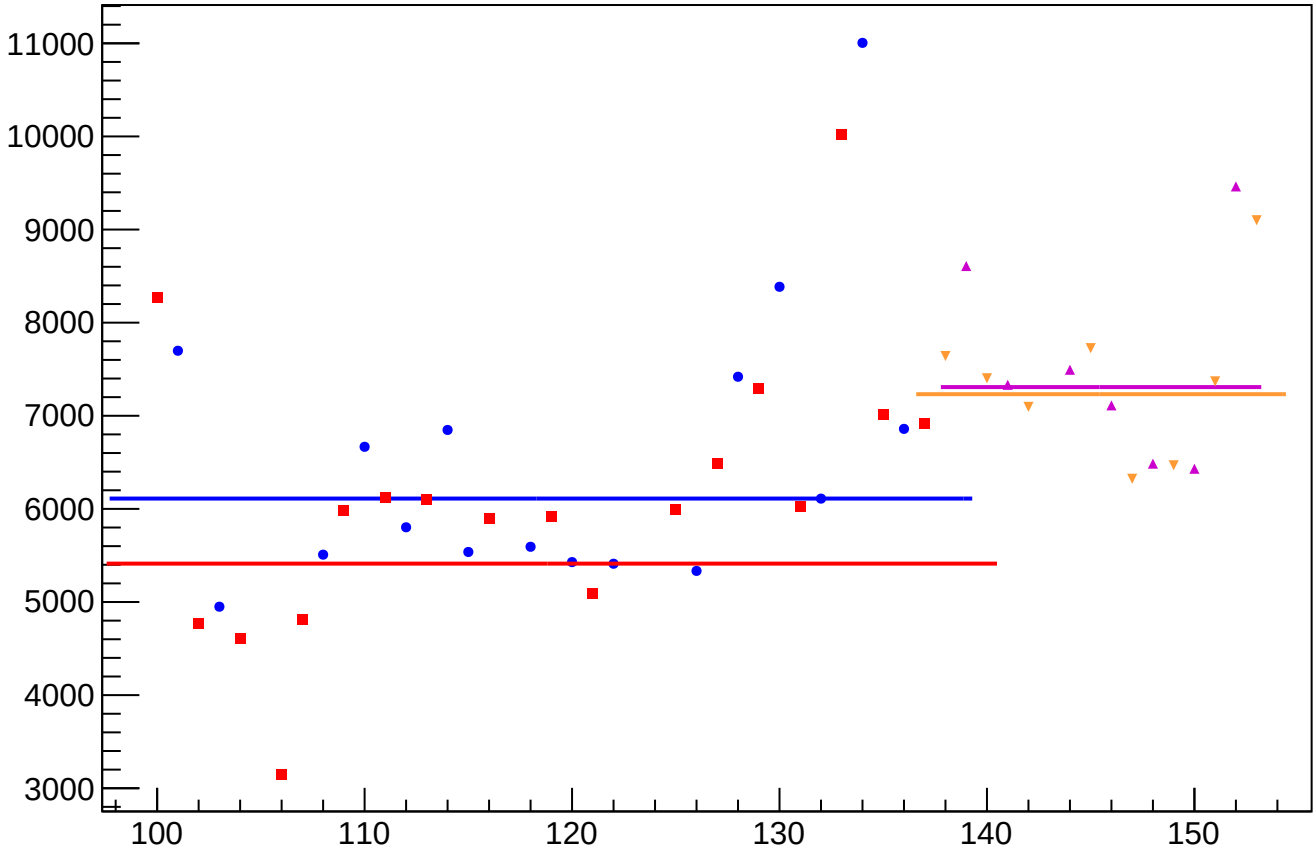
+ sign 1633.916+/-0.320 χ^2/NDF: 756917.1/23

All: 1625.095+/-0.226 χ^2/NDF: 1371420.1/48

- sign 1616.327+/-0.319 χ^2/NDF: 612987.8/24


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: -3313.994+/-2935.417 χ²/NDF:8.9/7
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 1788.388+/-2982.373 χ²/NDF:2.3/6
+ sign -277.039+/-1820.167 χ²/NDF: 24.9/23
All: 320.624+/-1240.614 χ²/NDF: 43.6/48
- sign 839.191+/-1695.451 χ²/NDF: 18.5/24

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7231.799+/-2.076 χ^2/NDF:139128.7/7

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

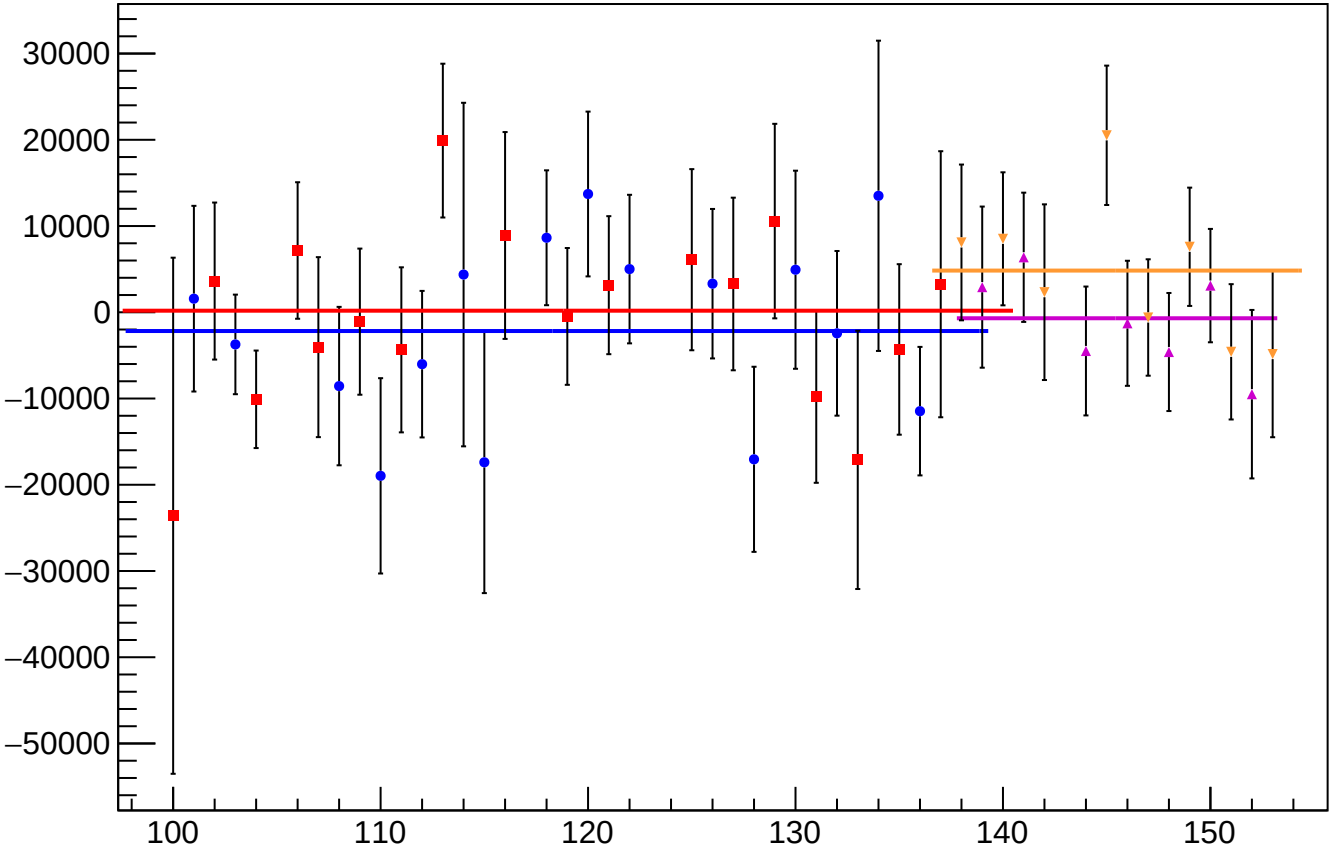
Left In: 7308.187+/-2.109 χ^2/NDF:190495.2/6

+ sign 6541.948+/-1.287 χ^2/NDF: 790251.1/23

All: 6265.154+/-0.877 χ^2/NDF: 2435697.9/48

- sign 6024.992+/-1.199 χ^2/NDF: 1559065.8/24

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 4835.671+/-2837.092 χ^2/NDF:7.4/7

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

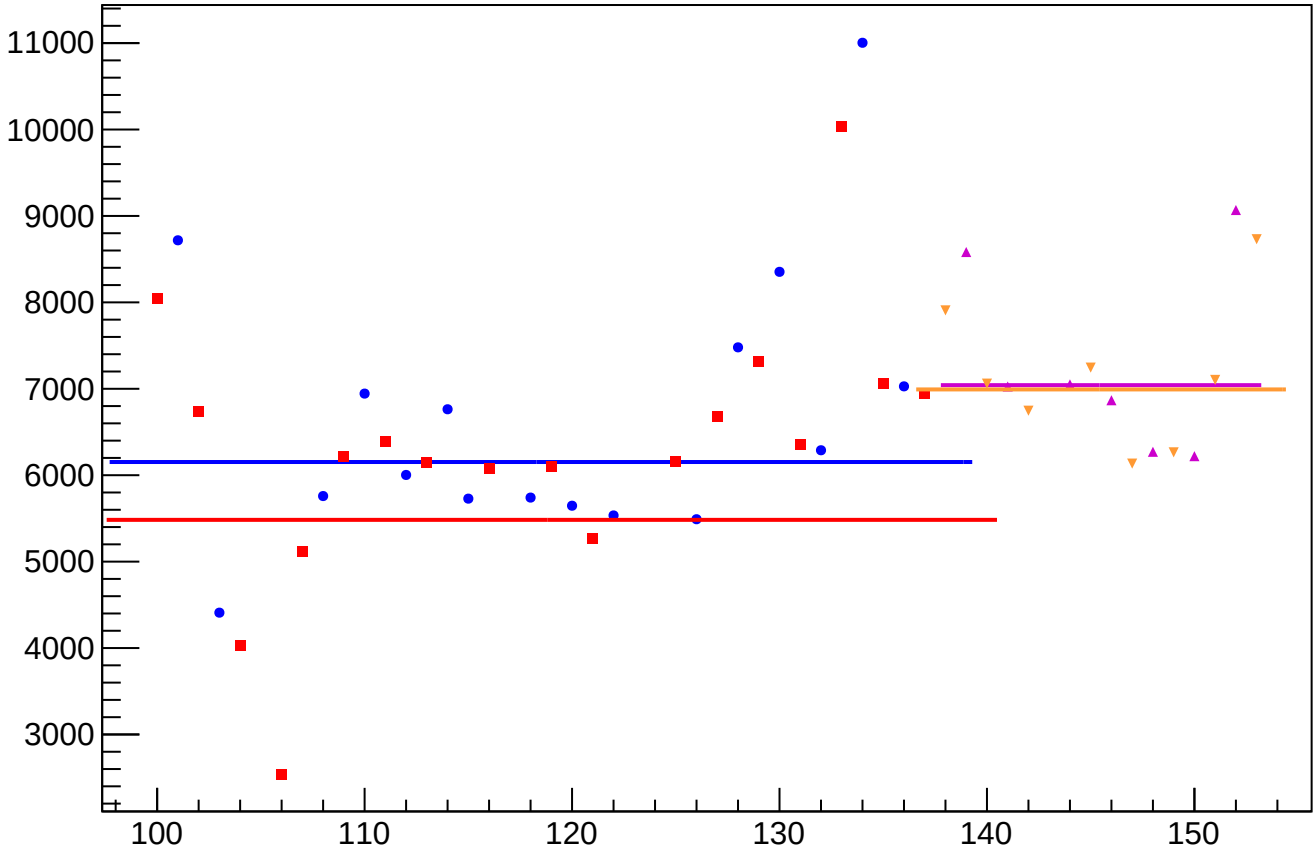
Left In: -693.811+/-2872.886 χ^2/NDF:2.8/6

+ sign 674.956+/-1808.713 χ^2/NDF: 25.7/23

All: 253.457+/-1261.757 χ^2/NDF: 43.3/48

- sign -146.112+/-1761.031 χ^2/NDF: 17.5/24

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 6992.538+/-2.006 χ^2/NDF:144028.7/7

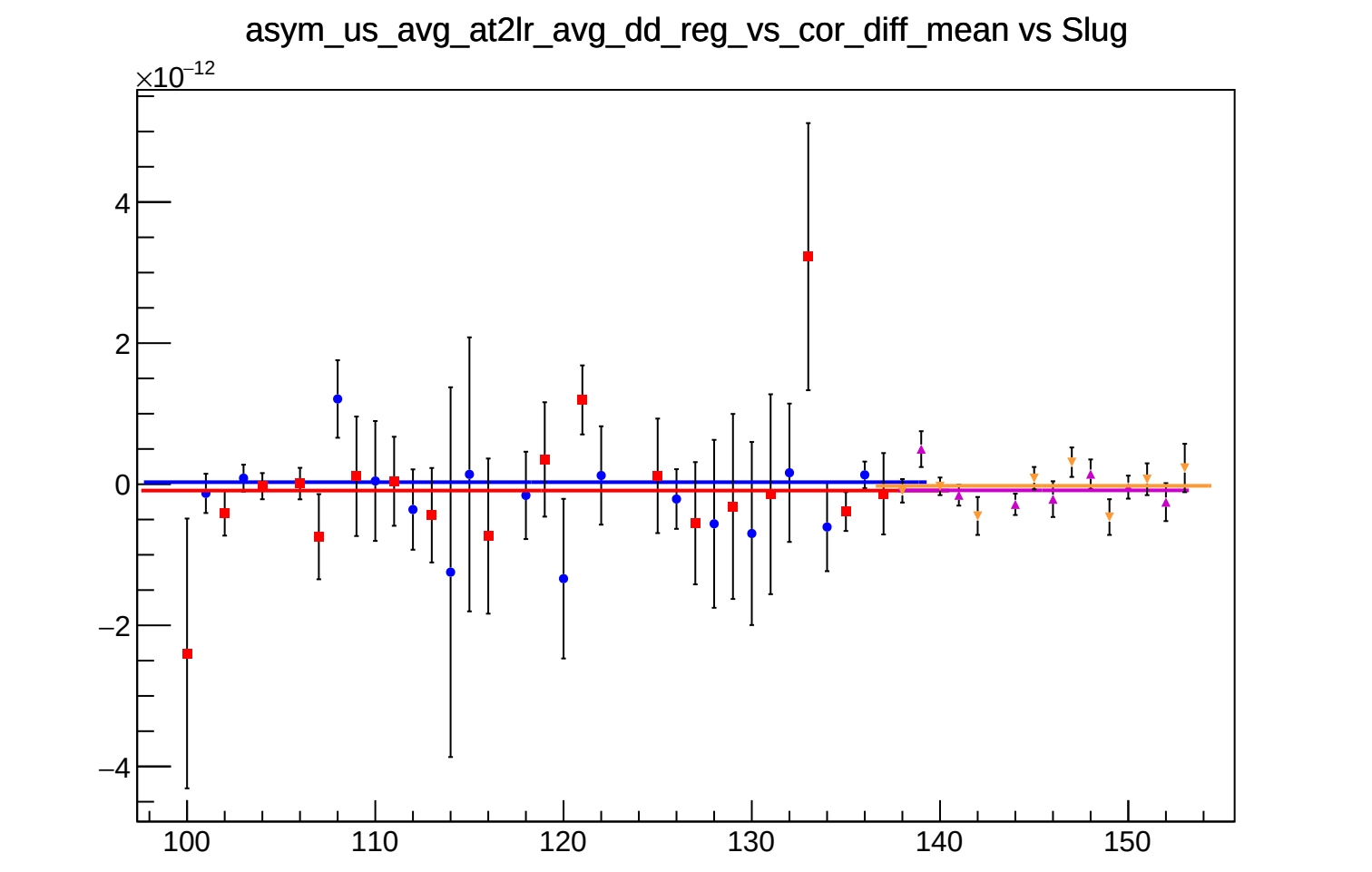
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7042.021+/-2.031 χ^2/NDF:198277.1/6

+ sign 6494.032+/-1.279 χ^2/NDF: 872084.2/23

All: 6257.031+/-0.882 χ^2/NDF: 2662009.5/48

- sign 6042.521+/-1.217 χ^2/NDF: 1724504.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.5/7

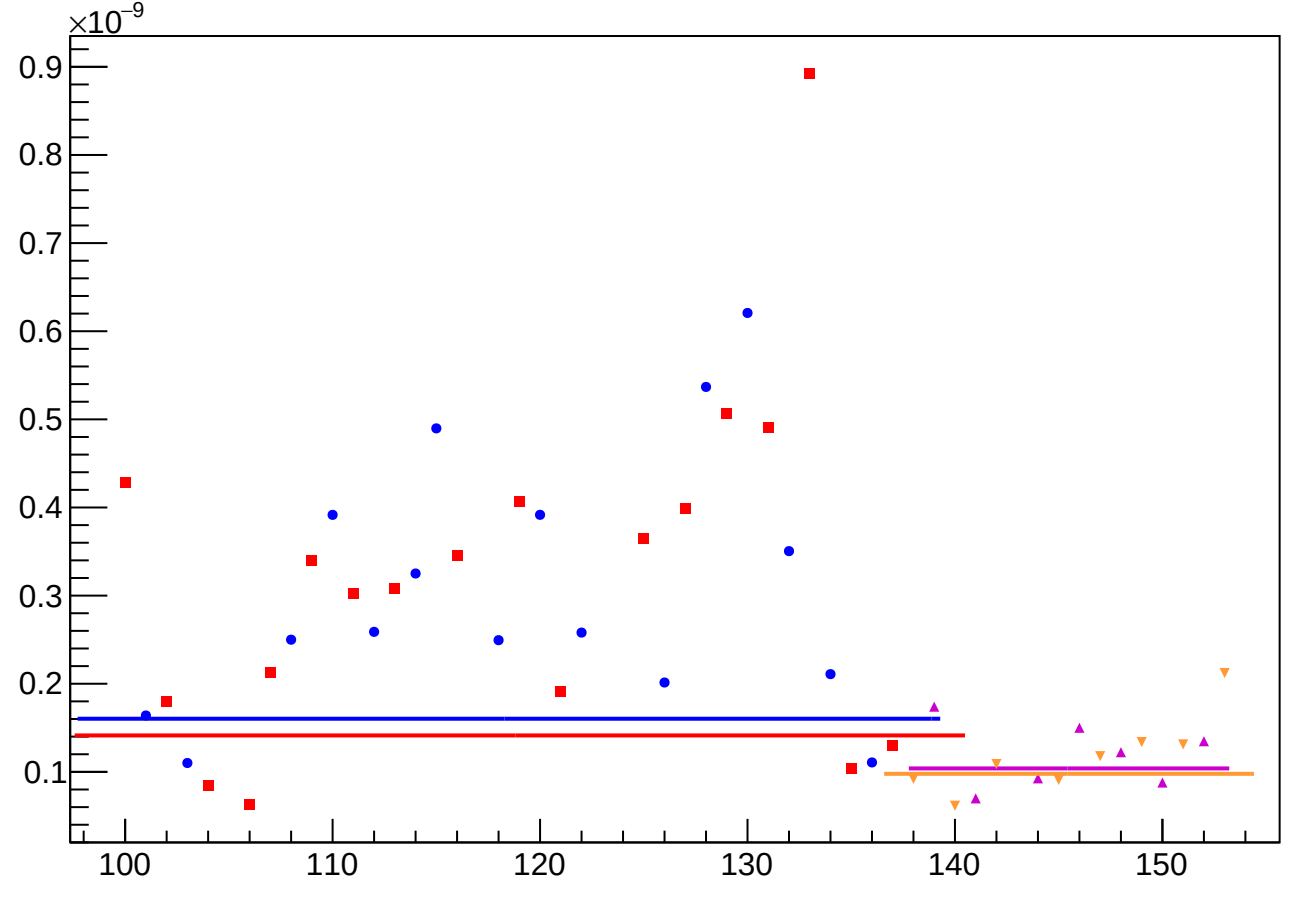
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:9.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/23

All: -0.000+/-0.000 χ^2/NDF: 45.9/48

- sign -0.000+/-0.000 χ^2/NDF: 25.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:503516.9/7

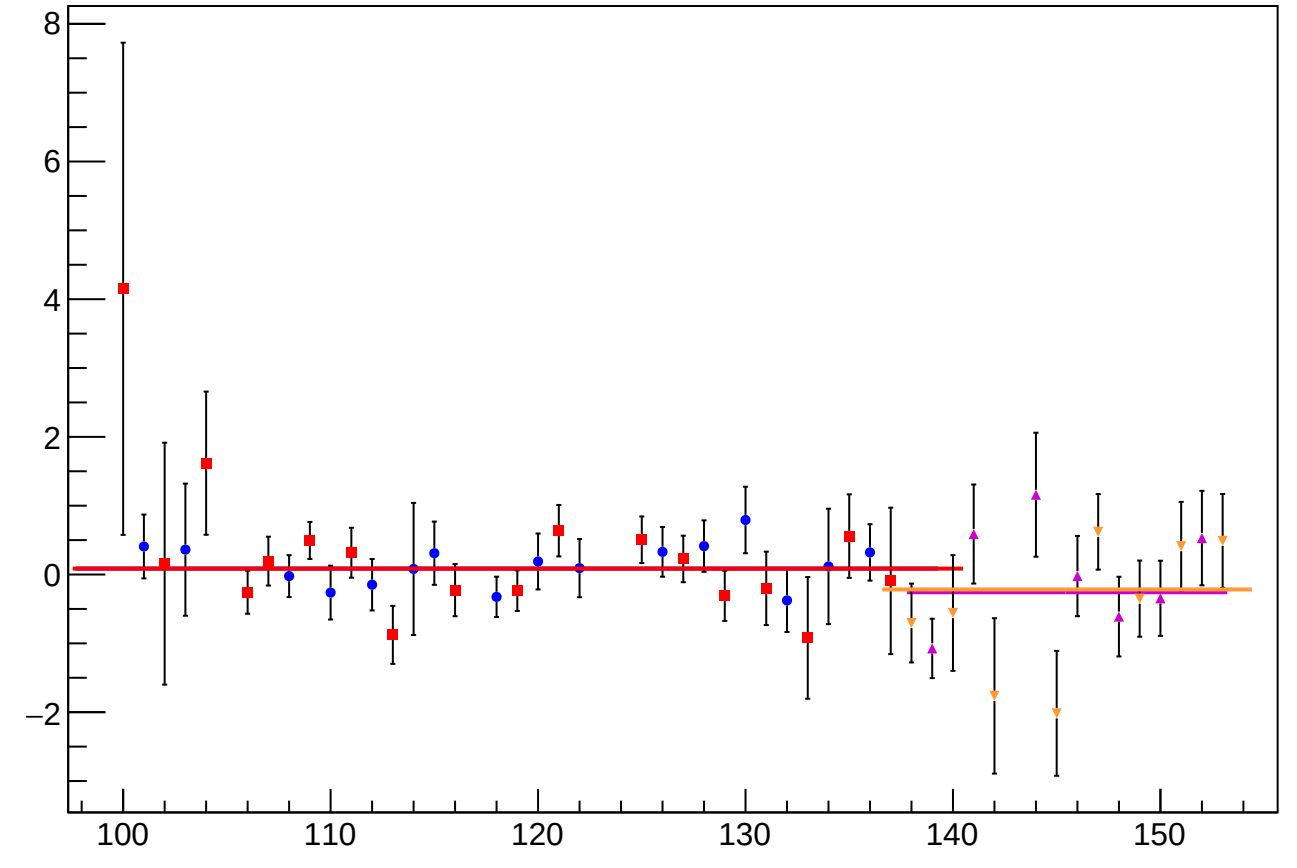
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:396892.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2344352.8/23

All: 0.000+/-0.000 χ^2/NDF: 5086392.5/48

- sign 0.000+/-0.000 χ^2/NDF: 2742032.6/24



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.217+/-0.238 χ^2/NDF:11.1/7

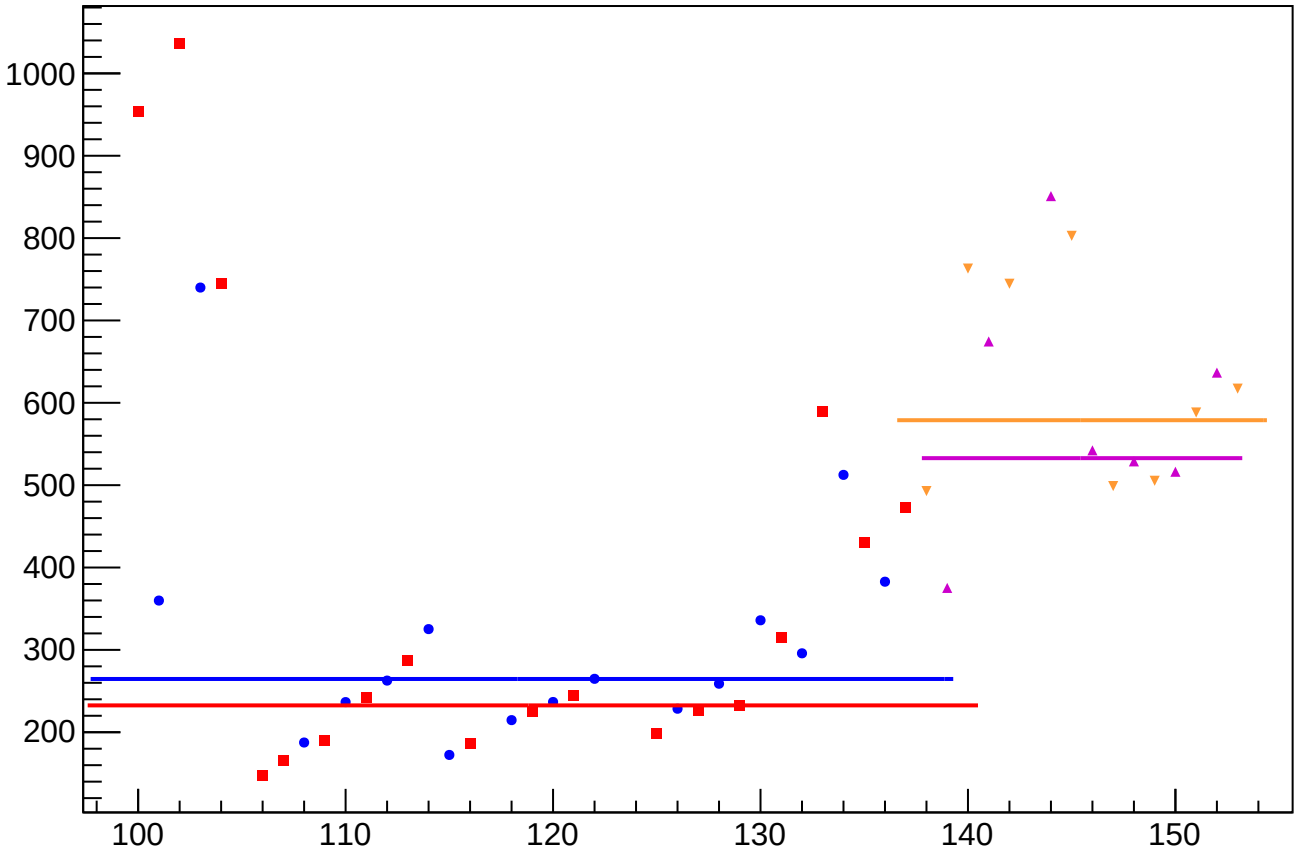
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.257+/-0.224 χ^2/NDF:9.3/6

+ sign 0.037+/-0.096 χ^2/NDF: 21.3/23

All: 0.034+/-0.065 χ^2/NDF: 54.4/48

- sign 0.031+/-0.089 χ^2/NDF: 33.1/24



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 578.873+/-0.169 χ^2/NDF:390443.2/7

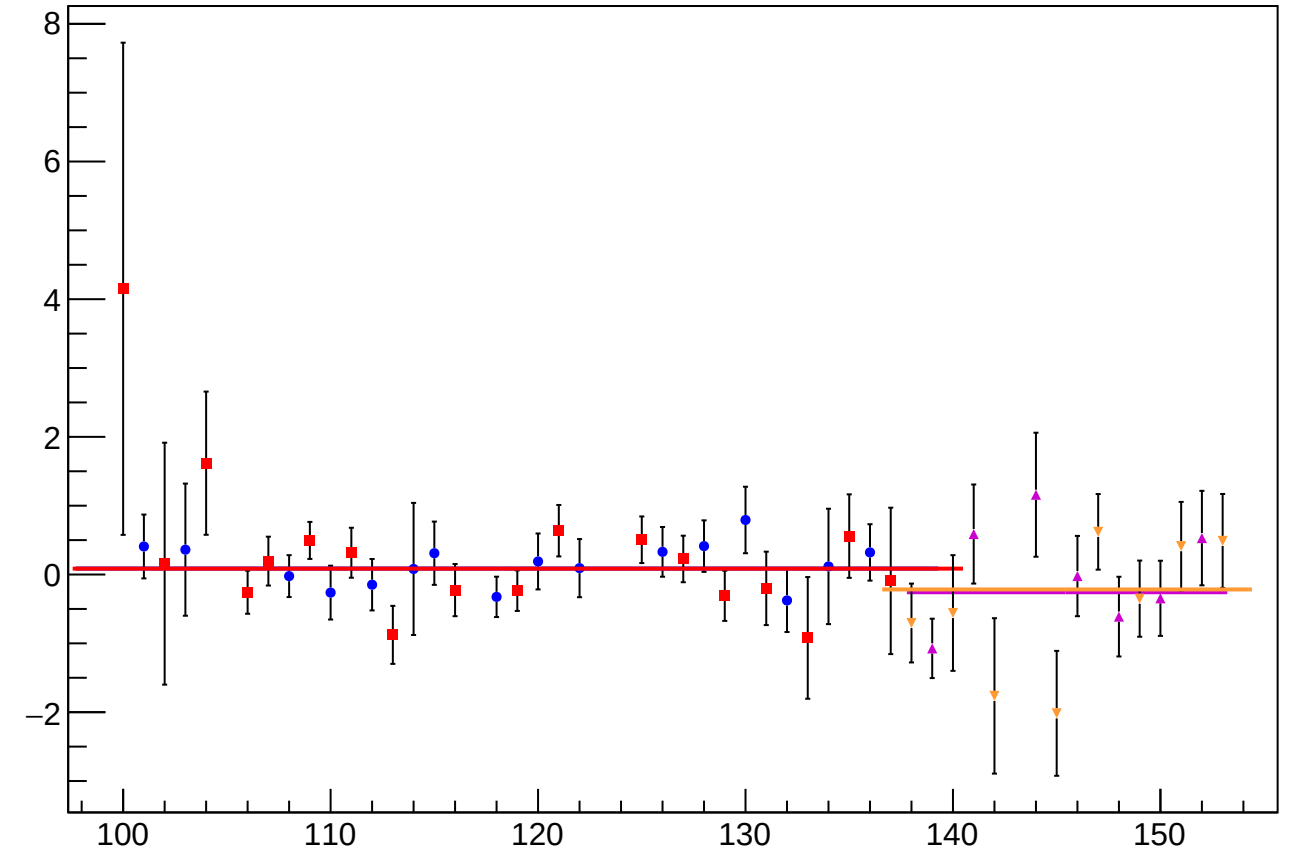
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 532.807+/-0.158 χ^2/NDF:642159.7/6

+ sign 315.811+/-0.068 χ^2/NDF: 4585257.7/23

All: 296.741+/-0.046 χ^2/NDF: 10429815.1/48

- sign 280.301+/-0.063 χ^2/NDF: 5698046.8/24



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.217+/-0.238 χ^2/NDF:11.1/7

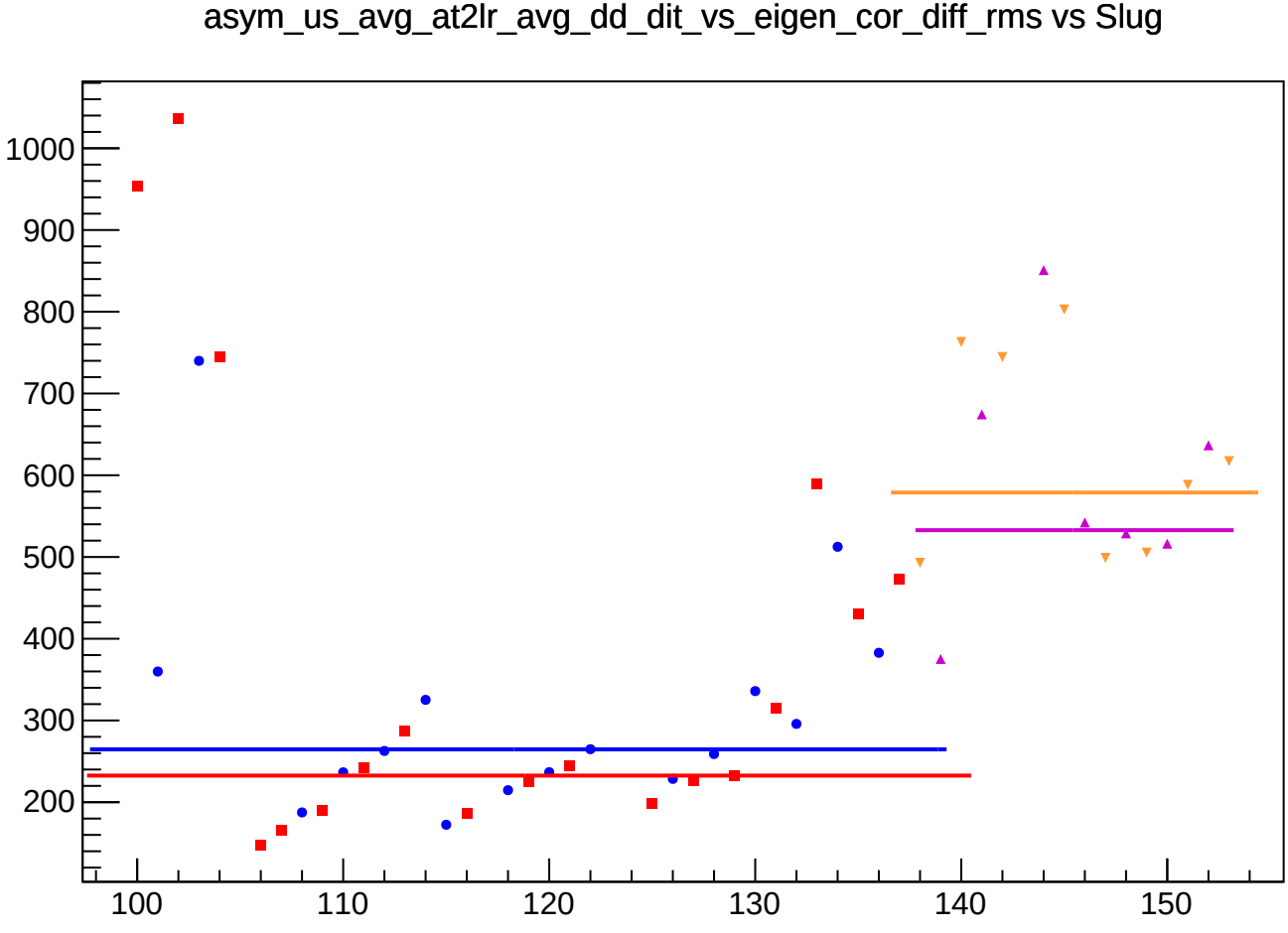
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.257+/-0.224 χ^2/NDF:9.3/6

+ sign 0.037+/-0.096 χ^2/NDF: 21.3/23

All: 0.034+/-0.065 χ^2/NDF: 54.4/48

- sign 0.031+/-0.089 χ^2/NDF: 33.1/24



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 578.873+/-0.169 χ^2/NDF:390443.2/7

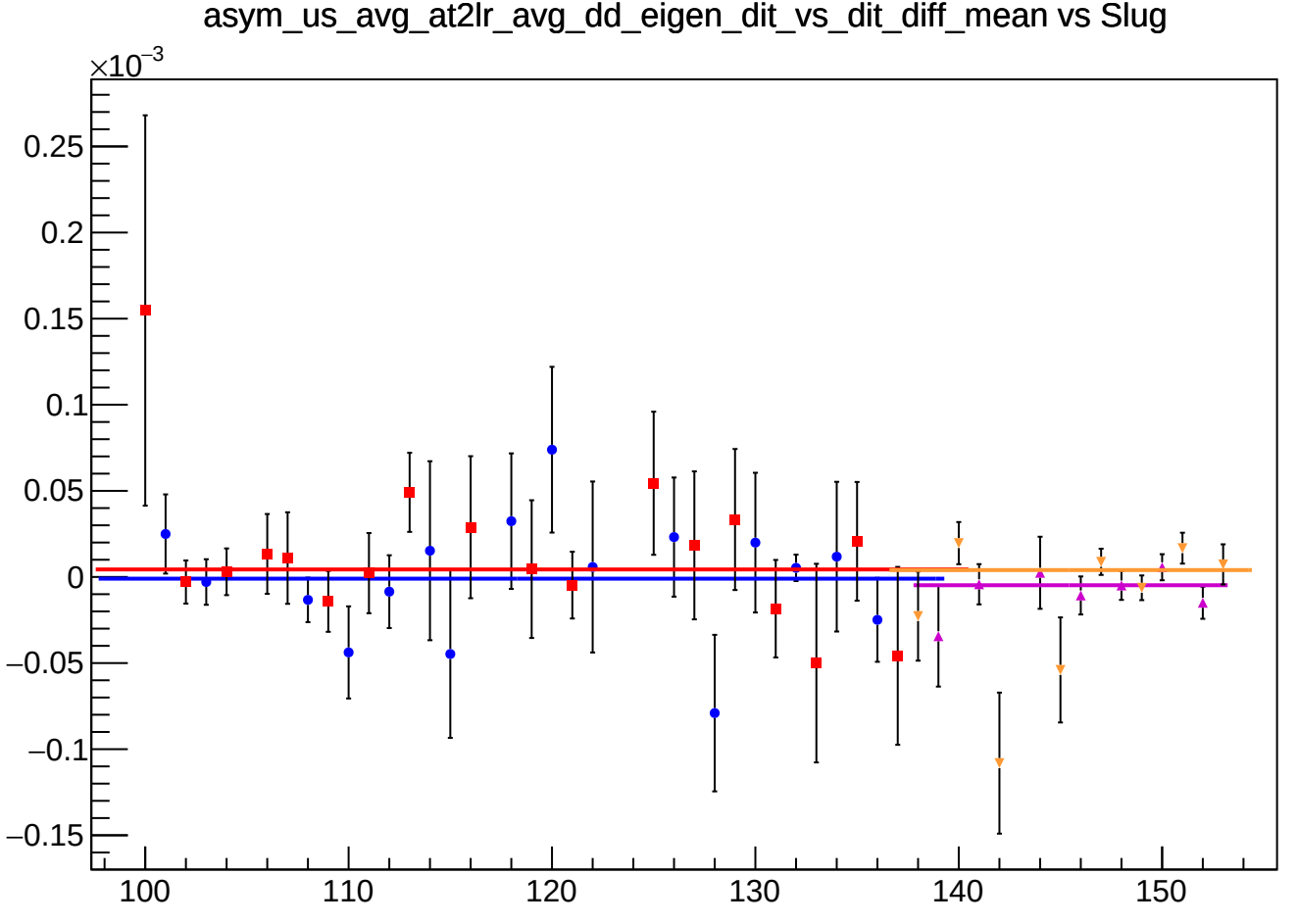
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 532.807+/-0.158 χ^2/NDF:642159.7/6

+ sign 315.811+/-0.068 χ^2/NDF: 4585257.7/23

All: 296.741+/-0.046 χ^2/NDF: 10429815.1/48

- sign 280.301+/-0.063 χ^2/NDF: 5698046.8/24



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/7

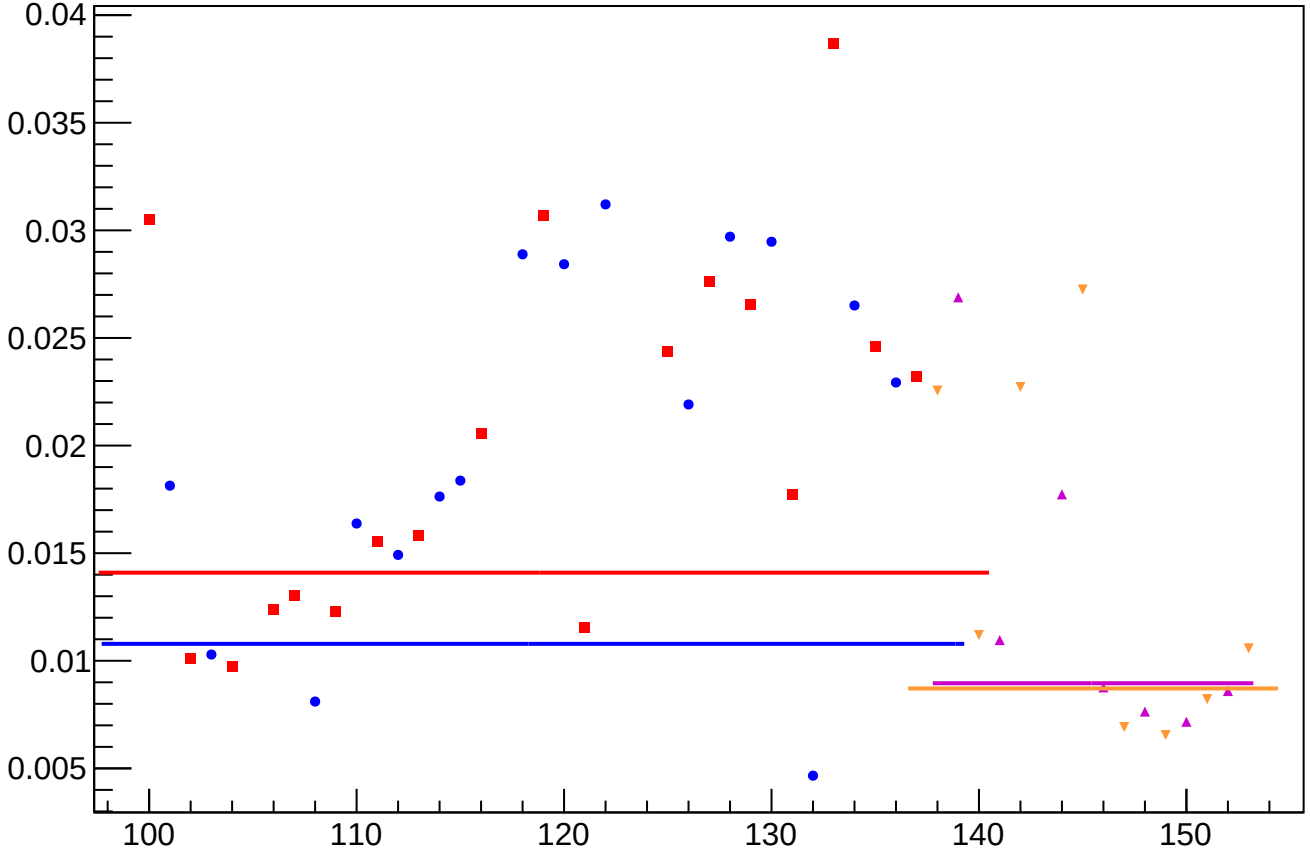
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:4.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/23

All: 0.000+/-0.000 χ^2/NDF: 52.9/48

- sign -0.000+/-0.000 χ^2/NDF: 18.8/24



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1976047.6/7

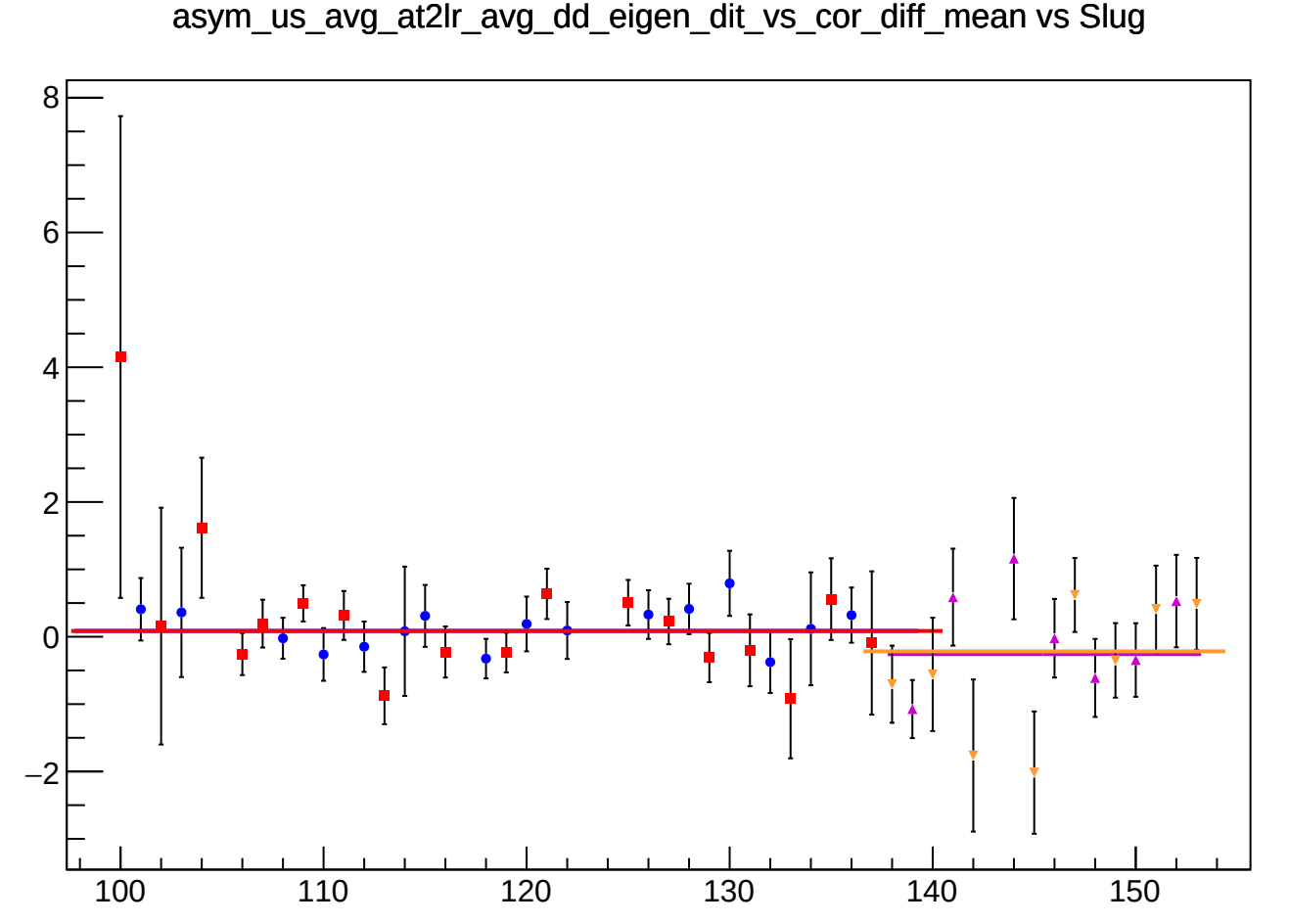
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.009+/-0.000 χ^2/NDF:1326602.3/6

+ sign 0.010+/-0.000 χ^2/NDF: 6772640.2/23

All: 0.010+/-0.000 χ^2/NDF: 11393749.4/48

- sign 0.011+/-0.000 χ^2/NDF: 4490937.8/24



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.217+/-0.238 χ^2/NDF:11.1/7

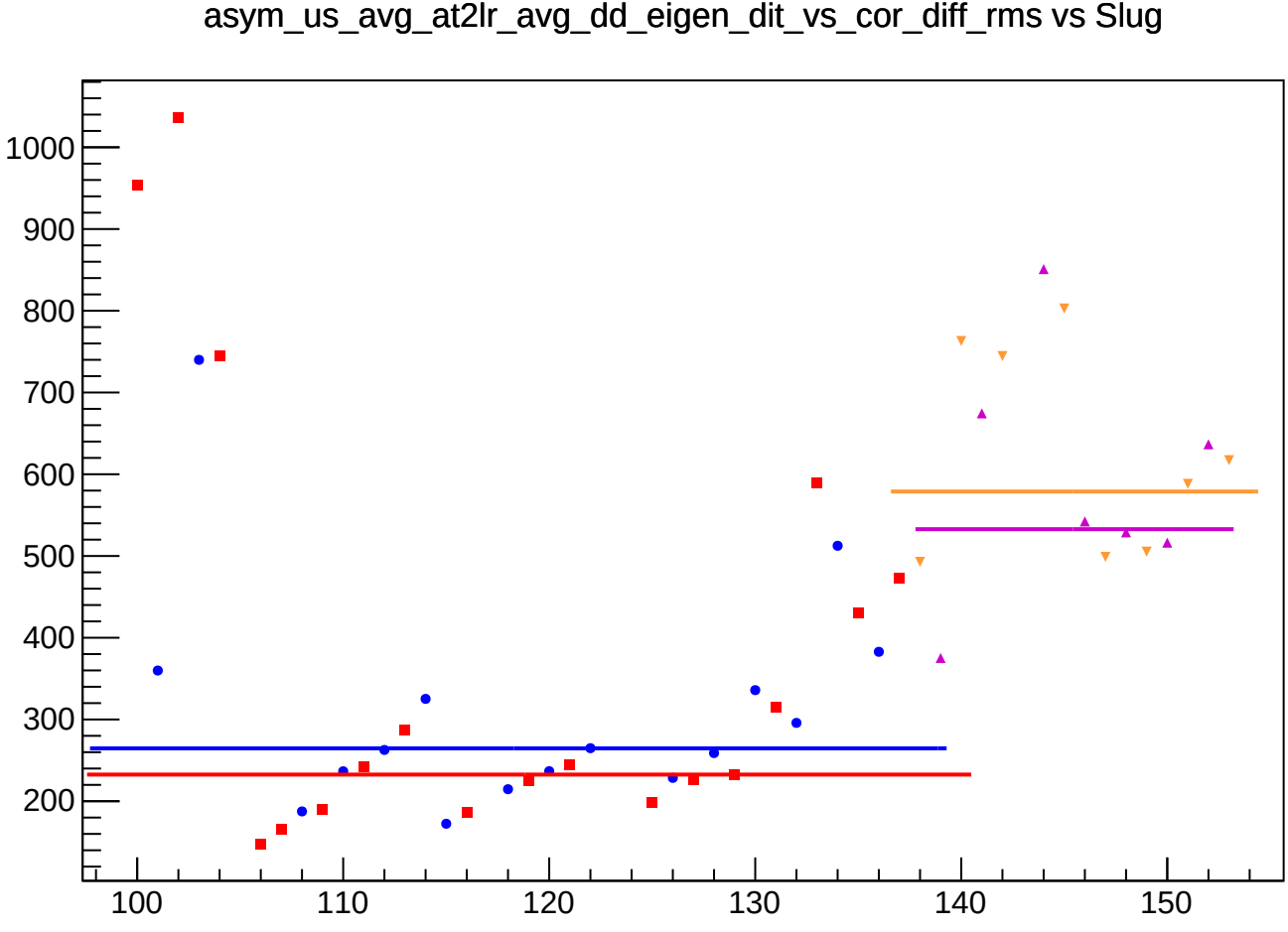
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.257+/-0.224 χ^2/NDF:9.3/6

+ sign 0.037+/-0.096 χ^2/NDF: 21.3/23

All: 0.034+/-0.065 χ^2/NDF: 54.4/48

- sign 0.031+/-0.089 χ^2/NDF: 33.1/24



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 578.878+/-0.169 χ^2/NDF:390446.6/7

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

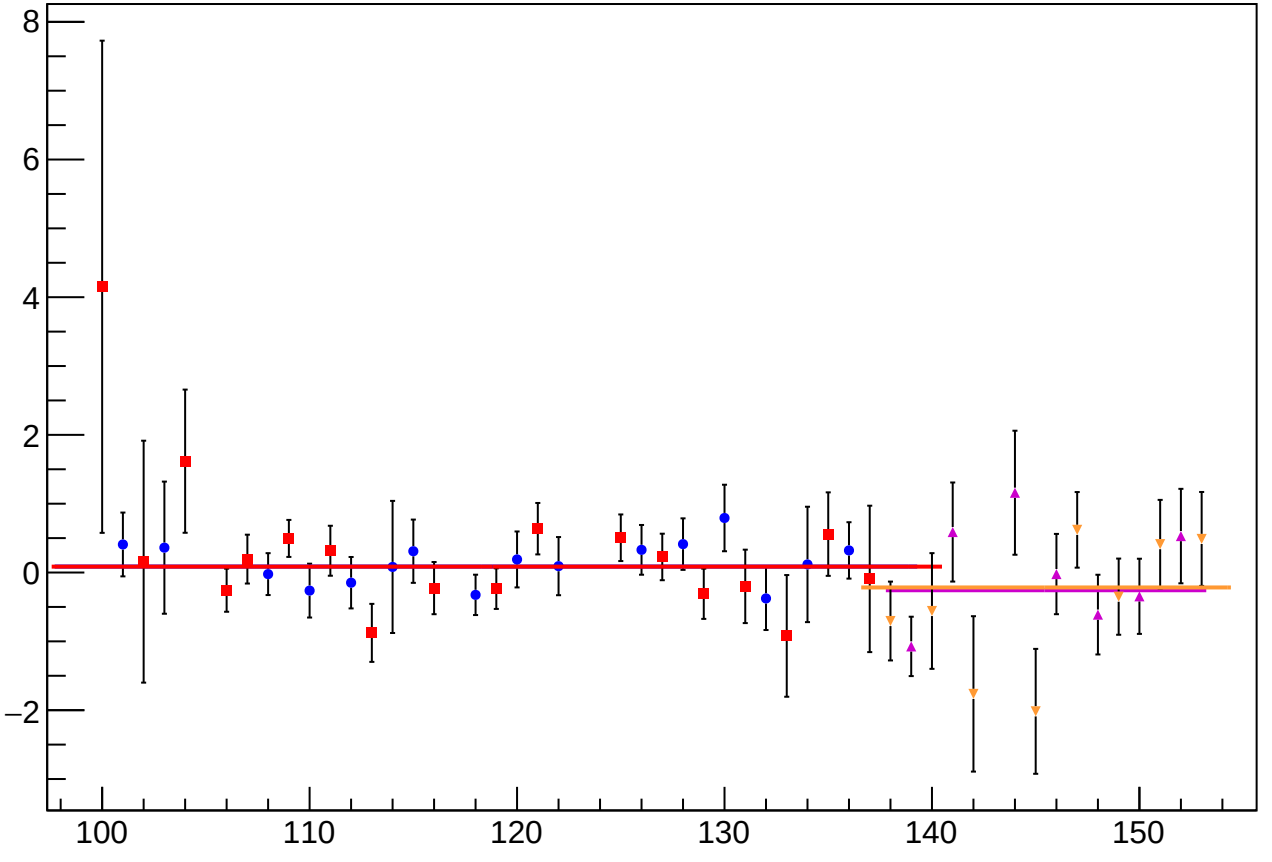
Left In: 532.815+/-0.158 χ^2/NDF:642133.0/6

+ sign 315.811+/-0.068 χ^2/NDF: 4585294.3/23

All: 296.741+/-0.046 χ^2/NDF: 10429877.9/48

- sign 280.302+/-0.063 χ^2/NDF: 5698082.3/24

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.217+/-0.238 χ^2/NDF:11.1/7

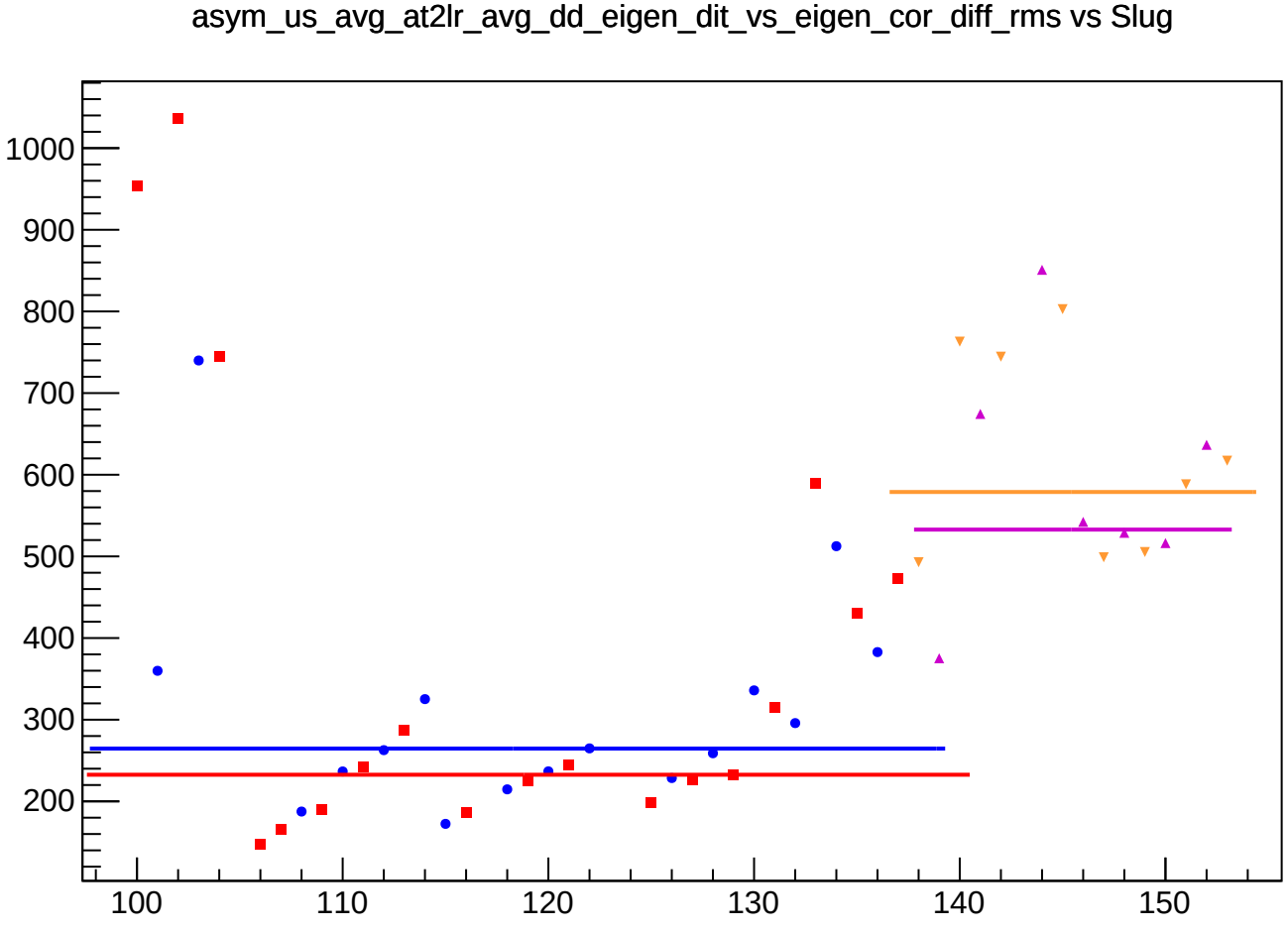
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.257+/-0.224 χ^2/NDF:9.3/6

+ sign 0.037+/-0.096 χ^2/NDF: 21.3/23

All: 0.034+/-0.065 χ^2/NDF: 54.4/48

- sign 0.031+/-0.089 χ^2/NDF: 33.1/24



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 578.878+/-0.169 χ^2/NDF:390446.6/7

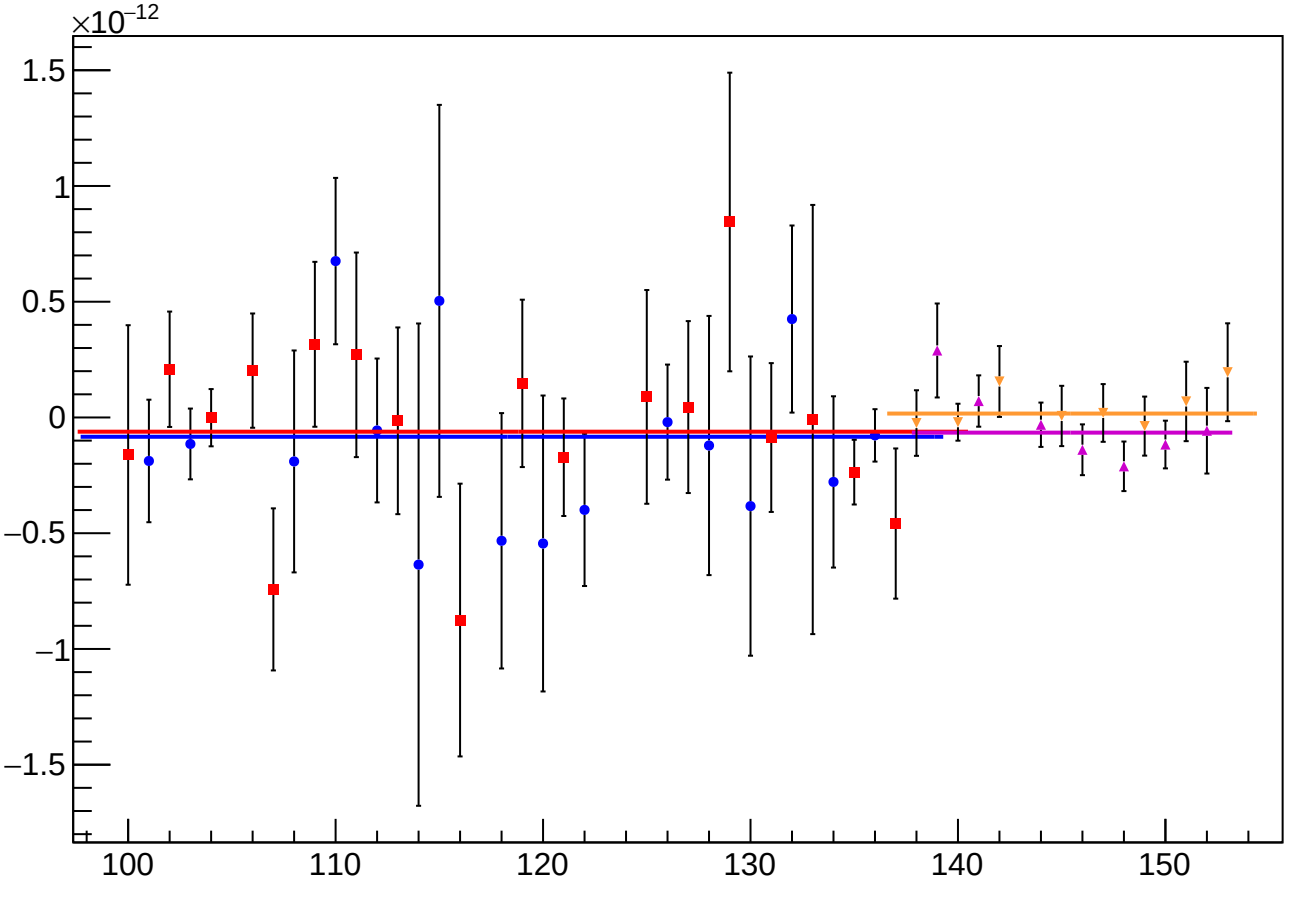
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 532.815+/-0.158 χ^2/NDF:642133.0/6

+ sign 315.811+/-0.068 χ^2/NDF: 4585294.3/23

All: 296.741+/-0.046 χ^2/NDF: 10429877.9/48

- sign 280.302+/-0.063 χ^2/NDF: 5698082.3/24



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/7

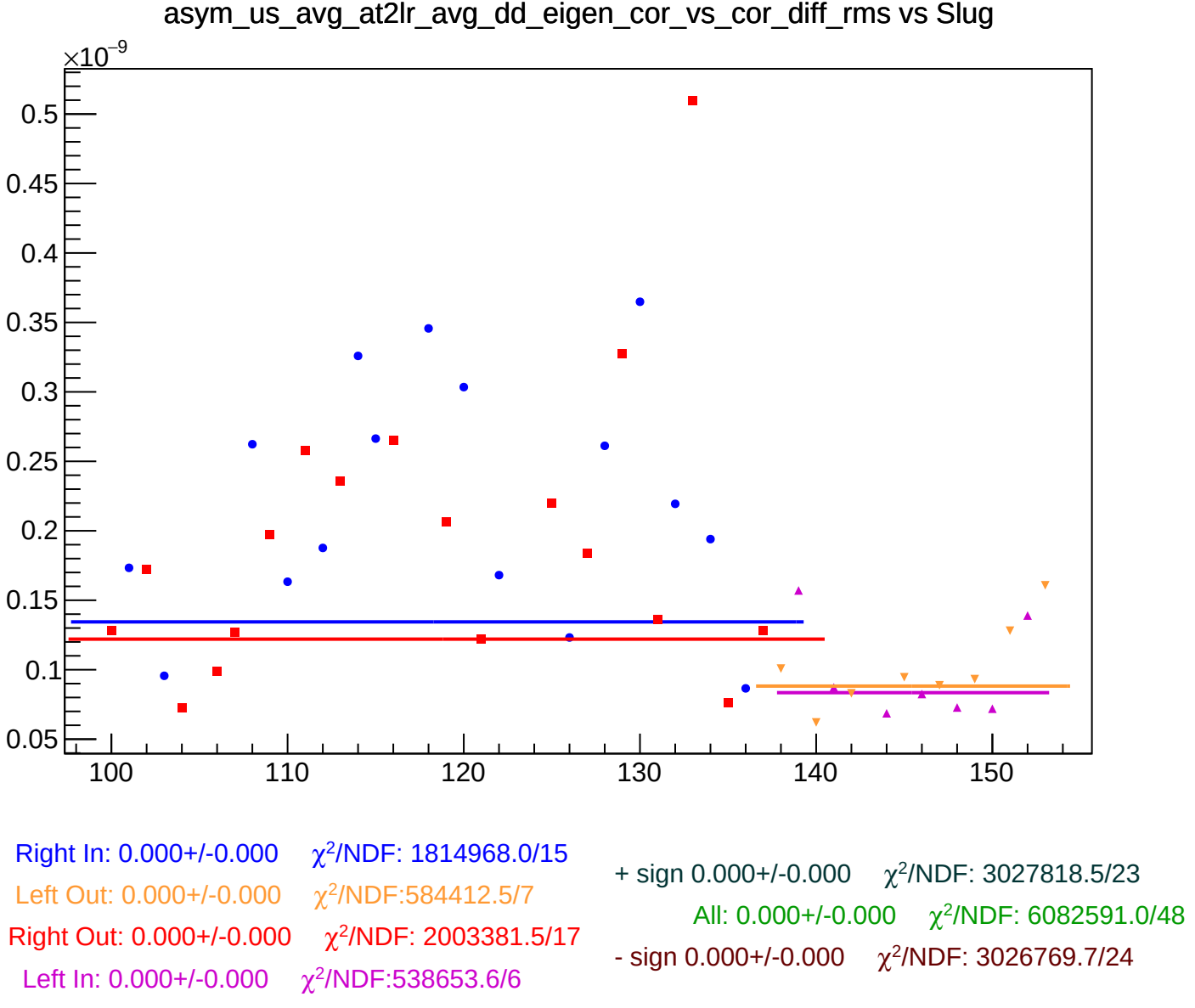
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:7.3/6

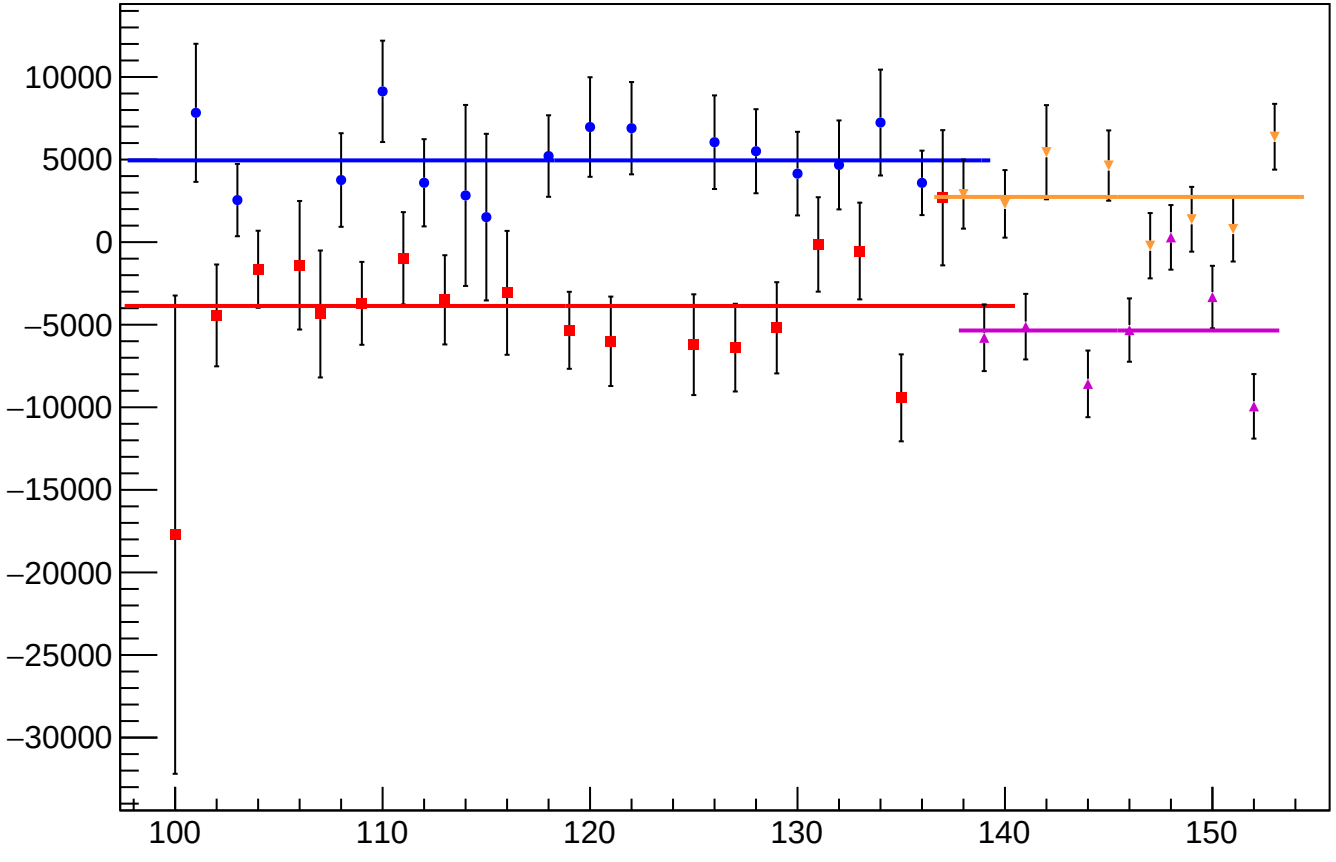
+ sign -0.000+/-0.000 χ^2/NDF: 13.3/23

All: -0.000+/-0.000 χ^2/NDF: 37.3/48

- sign -0.000+/-0.000 χ^2/NDF: 23.0/24


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:584412.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:538653.6/6
+ sign 0.000+/-0.000 χ²/NDF: 3027818.5/23
All: 0.000+/-0.000 χ²/NDF: 6082591.0/48
- sign 0.000+/-0.000 χ²/NDF: 3026769.7/24

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2738.218+/-737.700 χ^2/NDF:8.8/7

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

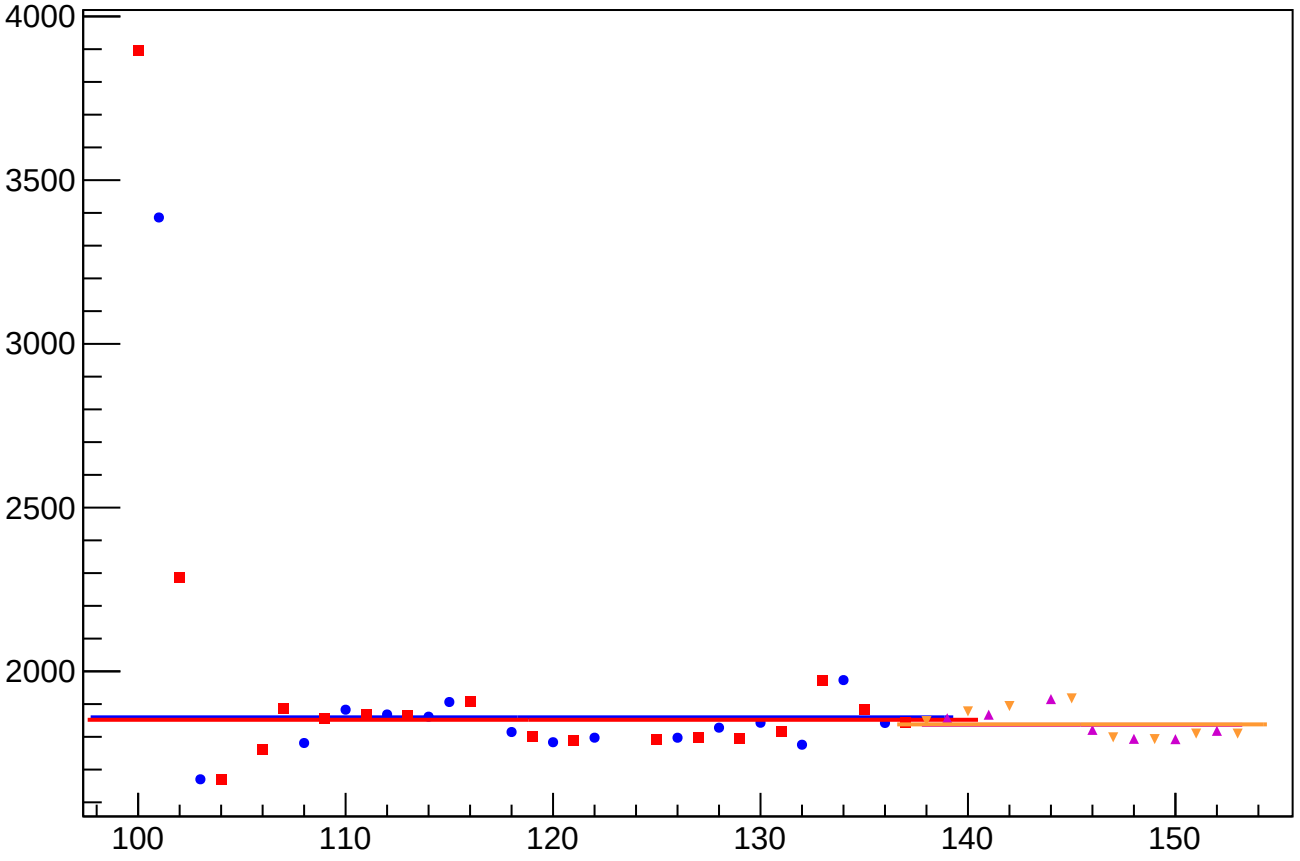
Left In: -5350.169+/-741.470 χ^2/NDF:17.6/6

+ sign 3903.913+/-507.373 χ^2/NDF: 20.4/23

All: -328.278+/-358.768 χ^2/NDF: 195.4/48

- sign -4560.496+/-507.375 χ^2/NDF: 35.9/24

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1838.035+/-0.522 χ^2/NDF:7015.5/7

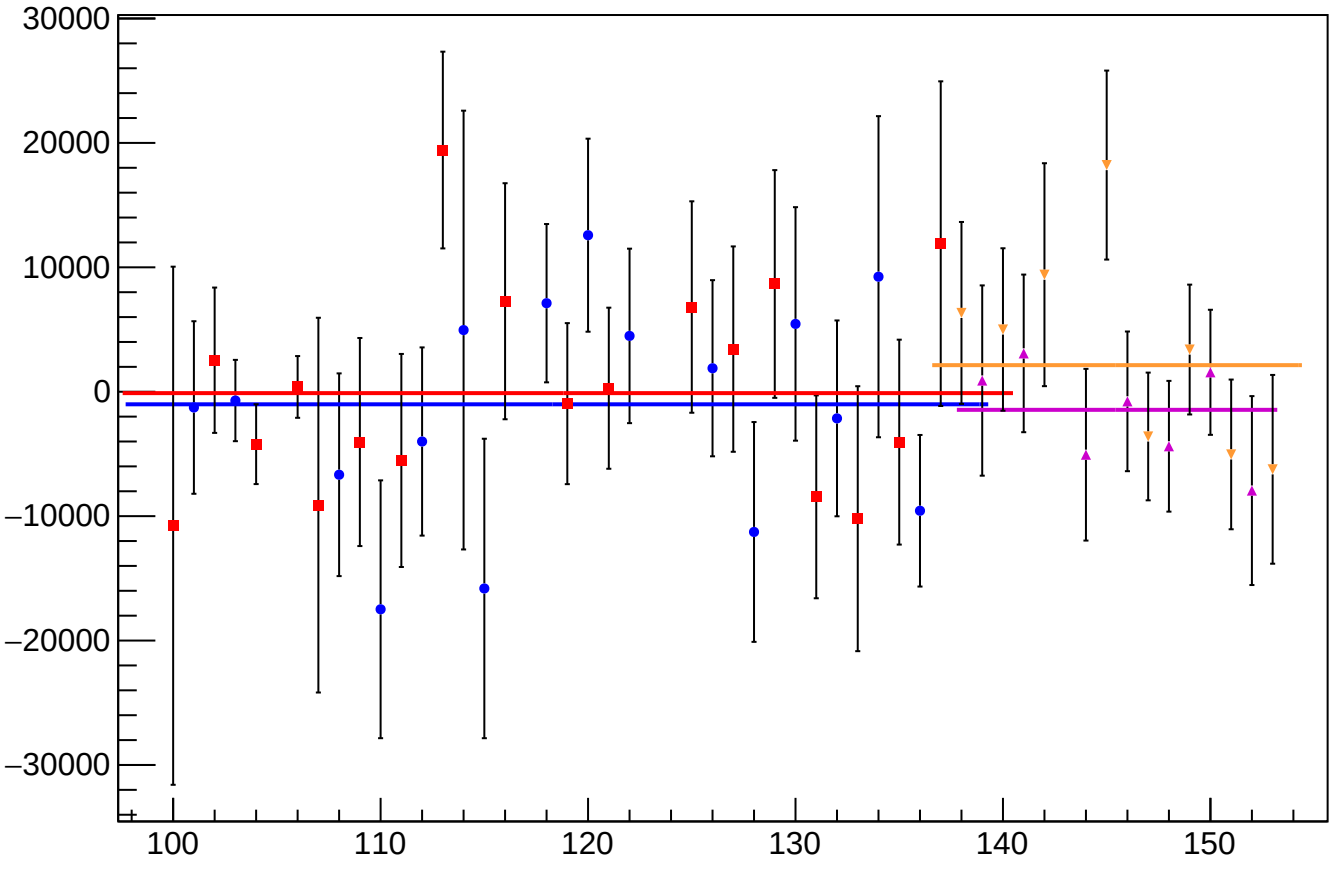
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1836.560+/-0.524 χ^2/NDF:6045.7/6

+ sign 1849.351+/-0.359 χ^2/NDF: 300243.2/23

All: 1847.086+/-0.253 χ^2/NDF: 409047.4/48

- sign 1844.828+/-0.358 χ^2/NDF: 108724.7/24



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 2136.478+/-2284.386 χ^2/NDF:9.6/7

Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

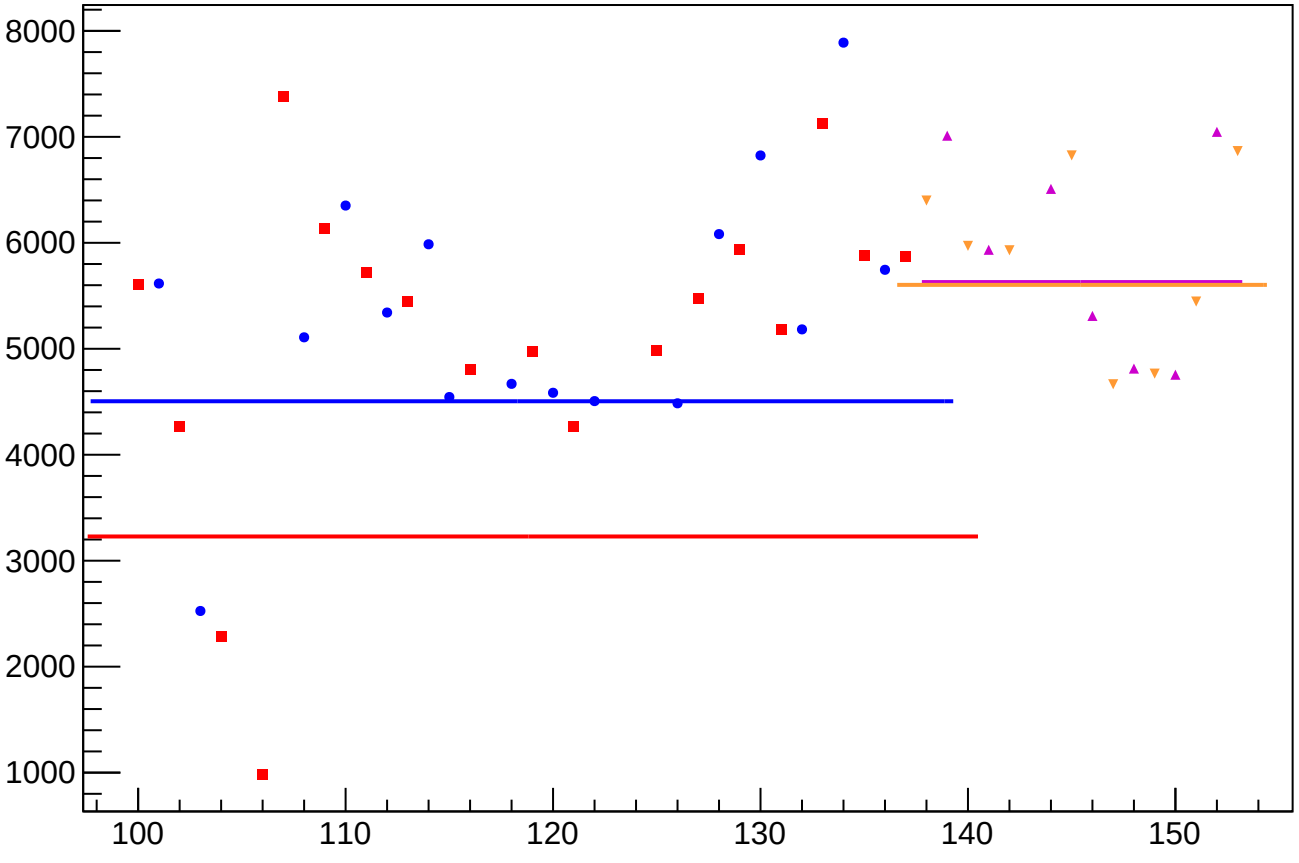
Left In: -1454.748+/-2307.006 χ^2/NDF:2.3/6

+ sign 165.330+/-1396.273 χ^2/NDF: 25.5/23

All: -204.630+/-918.991 χ^2/NDF: 42.8/48

- sign -487.379+/-1220.657 χ^2/NDF: 17.2/24

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5603.077+/-1.615 χ^2/NDF:259526.6/7

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

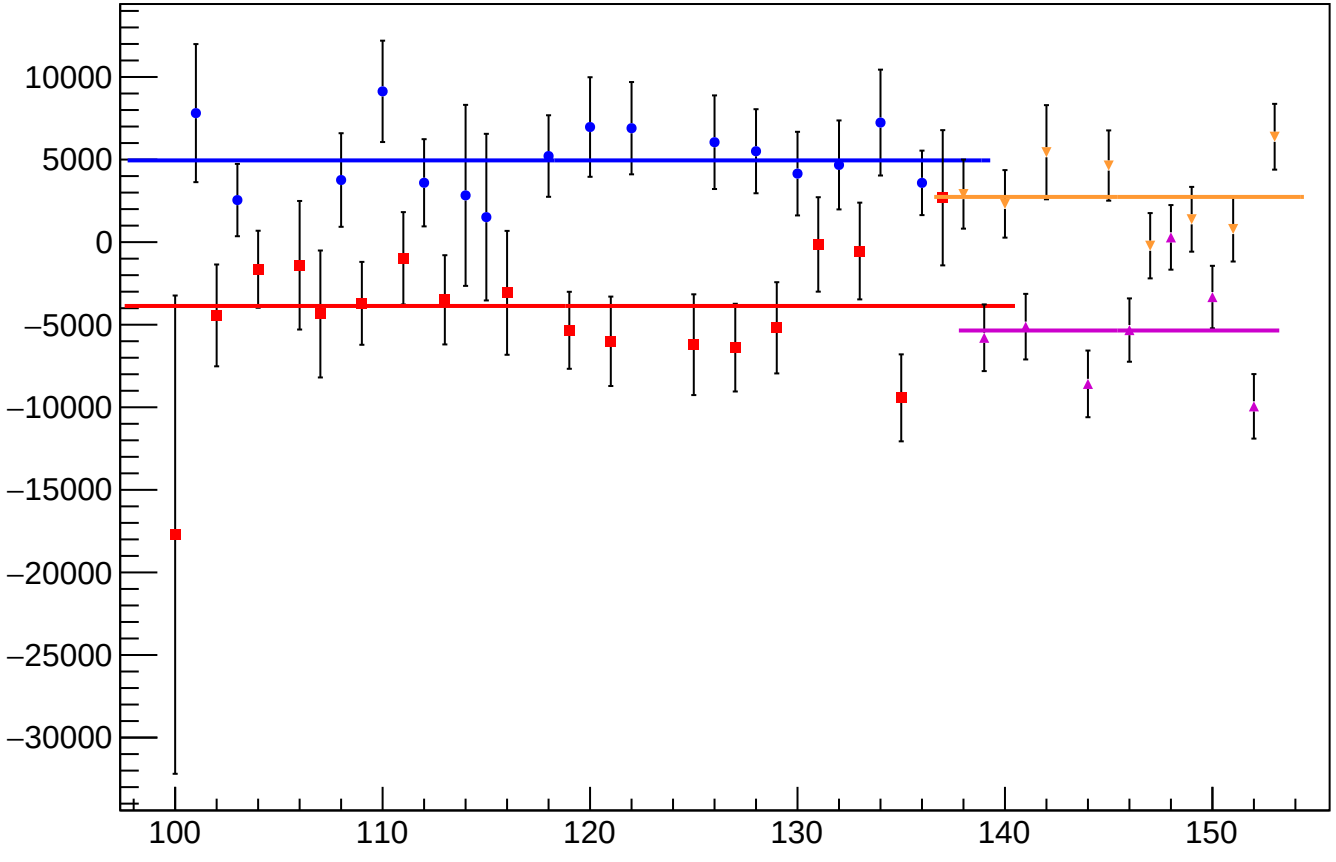
Left In: 5629.491+/-1.631 χ^2/NDF:287394.7/6

+ sign 4915.104+/-0.987 χ^2/NDF: 1870218.6/23

All: 4340.160+/-0.650 χ^2/NDF: 8271967.4/48

- sign 3900.748+/-0.863 χ^2/NDF: 5803468.1/24

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2738.048+/-737.700 χ^2/NDF:8.8/7

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

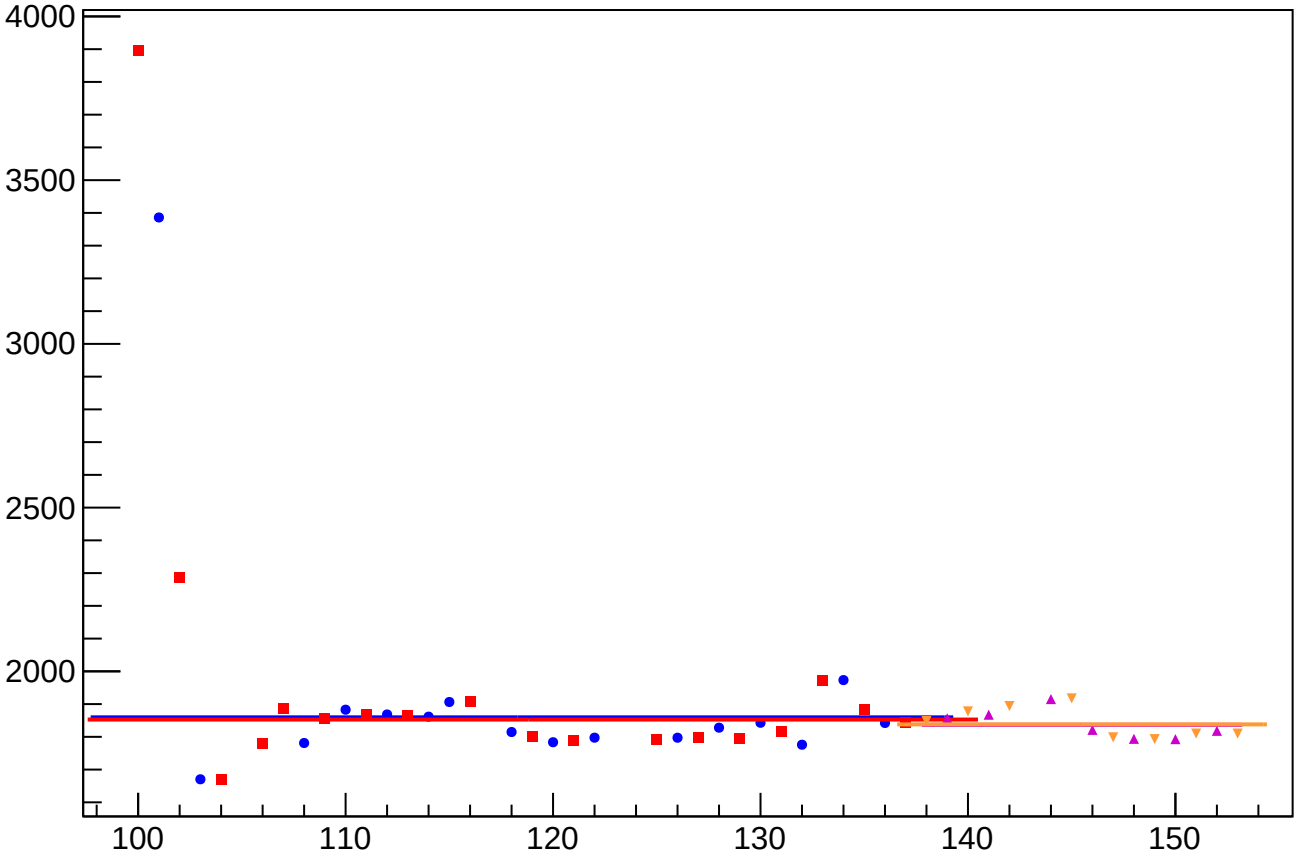
Left In: -5350.460+/-741.470 χ^2/NDF:17.6/6

+ sign 3903.578+/-507.373 χ^2/NDF: 20.4/23

All: -328.457+/-358.768 χ^2/NDF: 195.4/48

- sign -4560.519+/-507.375 χ^2/NDF: 35.9/24

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1838.035+/-0.522 χ^2/NDF:7015.5/7

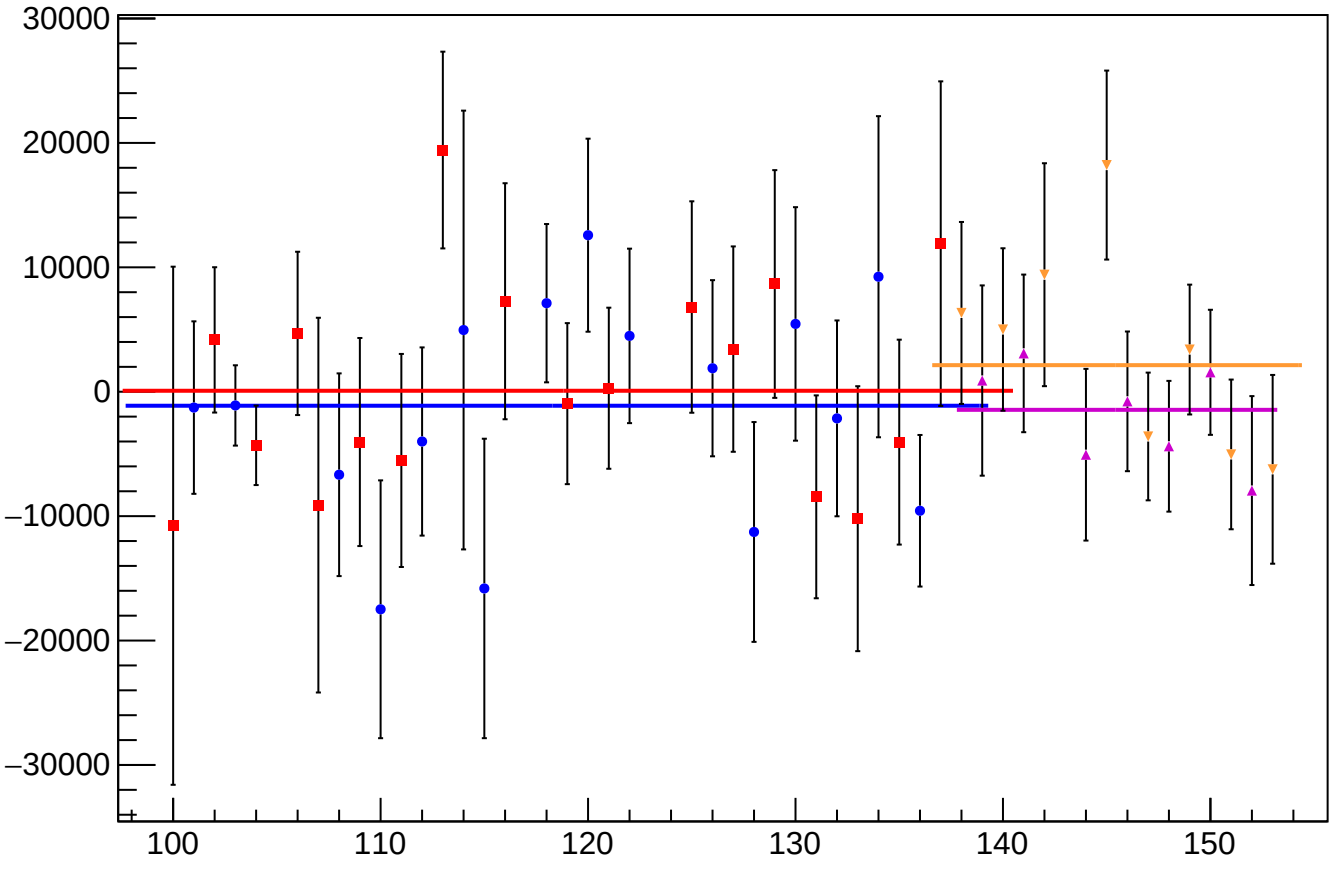
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1836.560+/-0.524 χ^2/NDF:6045.7/6

+ sign 1849.351+/-0.359 χ^2/NDF: 300245.1/23

All: 1847.273+/-0.254 χ^2/NDF: 408618.0/48

- sign 1845.202+/-0.358 χ^2/NDF: 108305.9/24



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2136.336+/-2284.384 χ^2/NDF:9.6/7

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

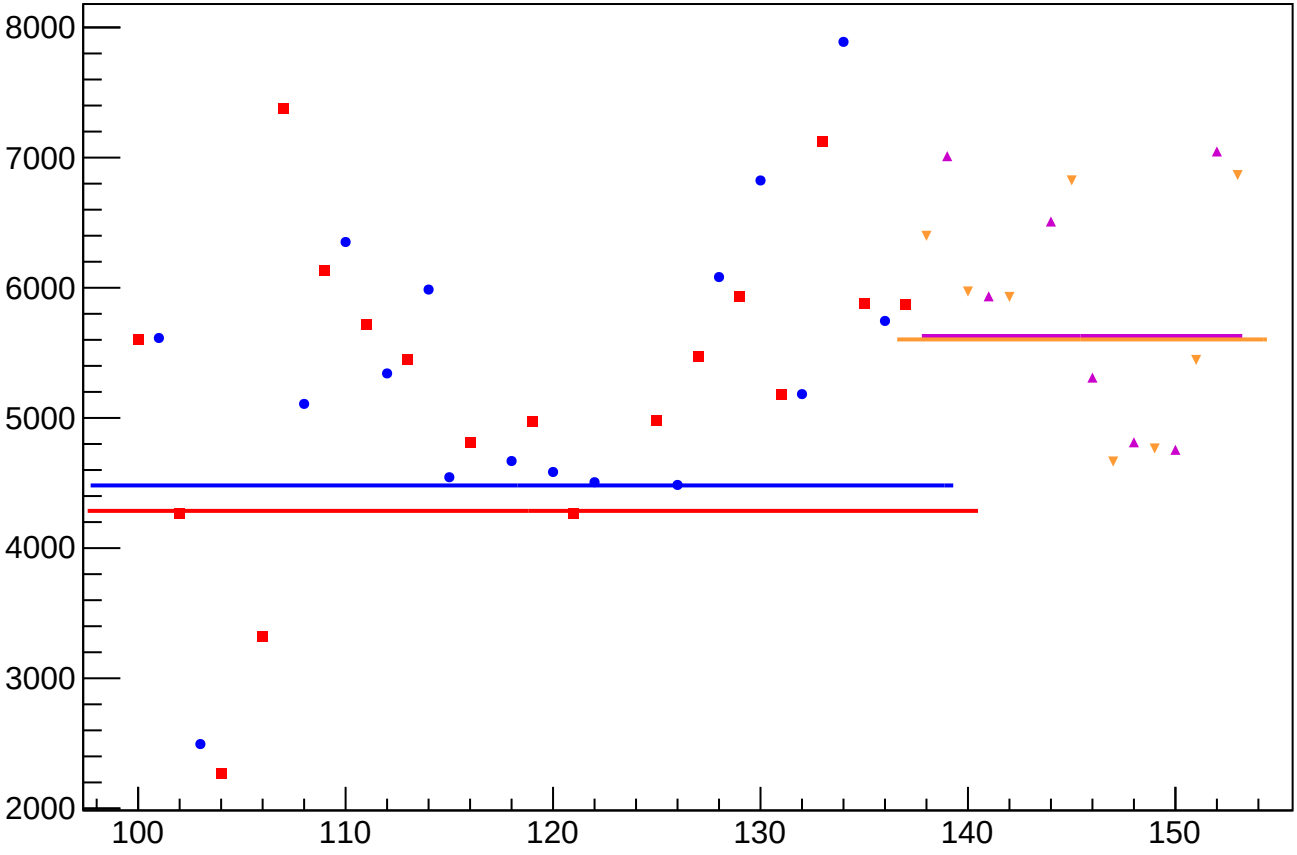
Left In: -1454.905+/-2307.006 χ^2/NDF:2.3/6

+ sign 87.607+/-1393.141 χ^2/NDF: 25.6/23

All: -191.972+/-976.757 χ^2/NDF: 43.8/48

- sign -462.278+/-1369.840 χ^2/NDF: 18.1/24

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5603.070+/-1.615 χ^2/NDF:259528.9/7

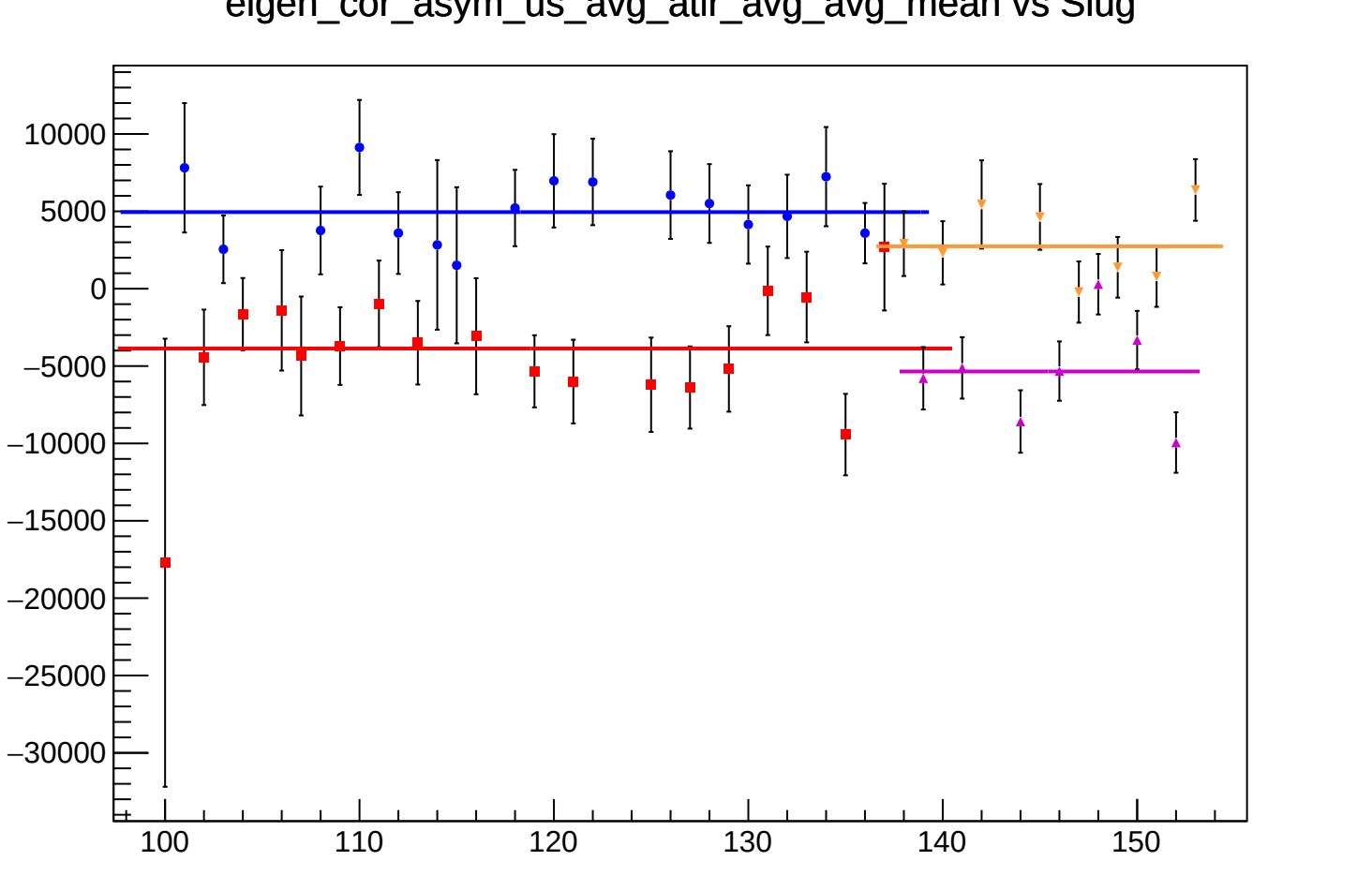
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5629.490+/-1.631 χ^2/NDF:287397.9/6

+ sign 4898.648+/-0.985 χ^2/NDF: 1924575.8/23

All: 4828.029+/-0.691 χ^2/NDF: 4210985.0/48

- sign 4759.752+/-0.969 χ^2/NDF: 2276301.6/24



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2738.048+/-737.700 χ^2/NDF:8.8/7

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

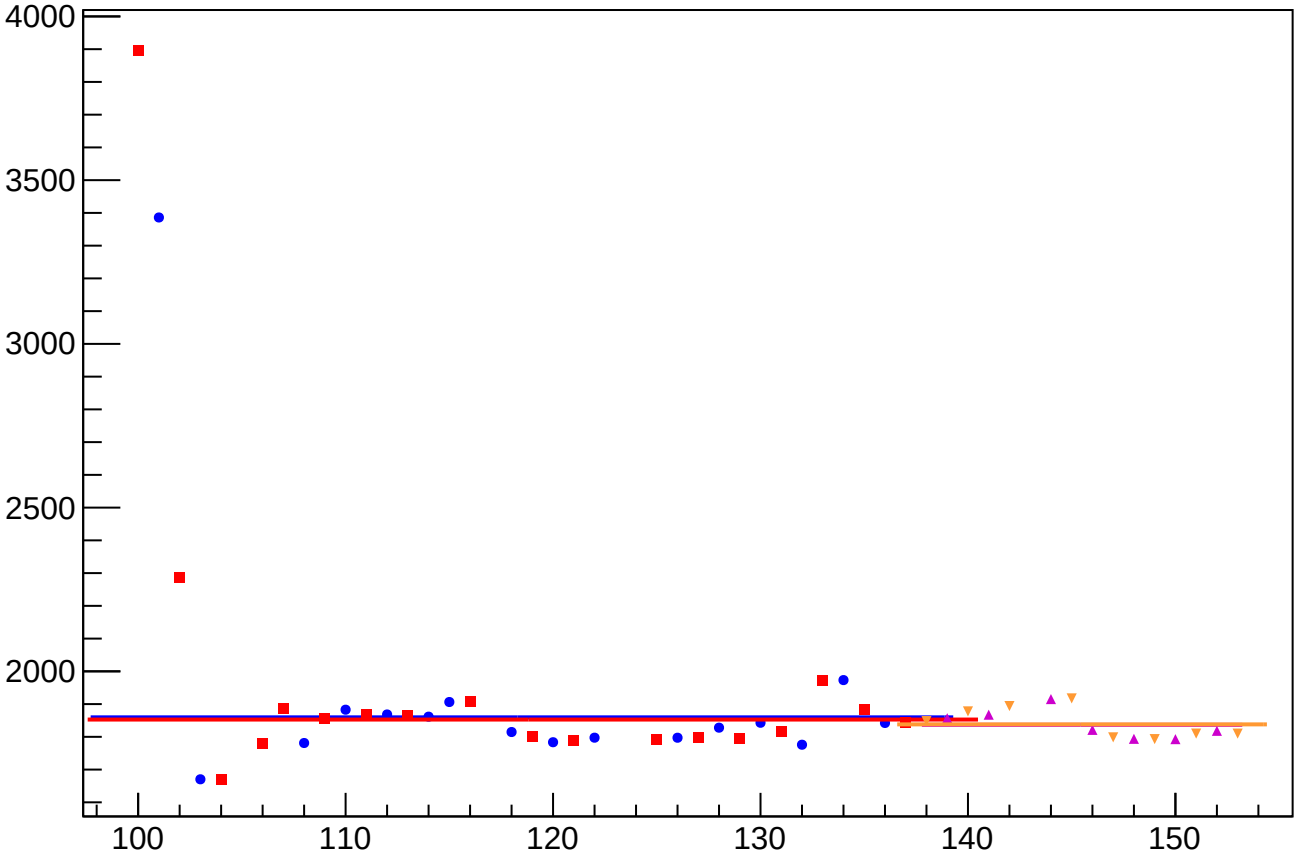
Left In: -5350.460+/-741.470 χ^2/NDF:17.6/6

+ sign 3903.578+/-507.373 χ^2/NDF: 20.4/23

All: -328.457+/-358.768 χ^2/NDF: 195.4/48

- sign -4560.519+/-507.375 χ^2/NDF: 35.9/24

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1838.035+/-0.522 χ^2/NDF:7015.5/7

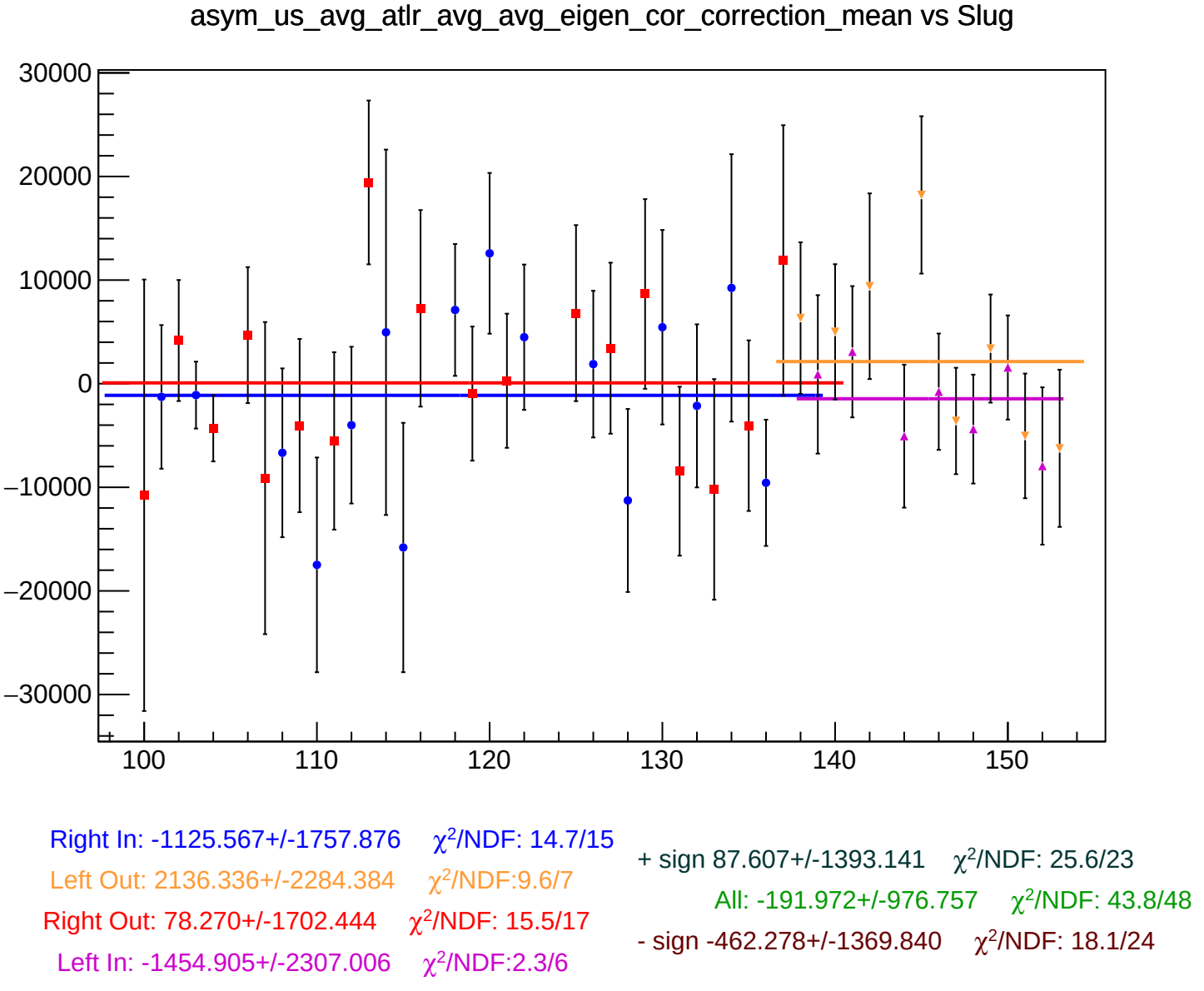
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

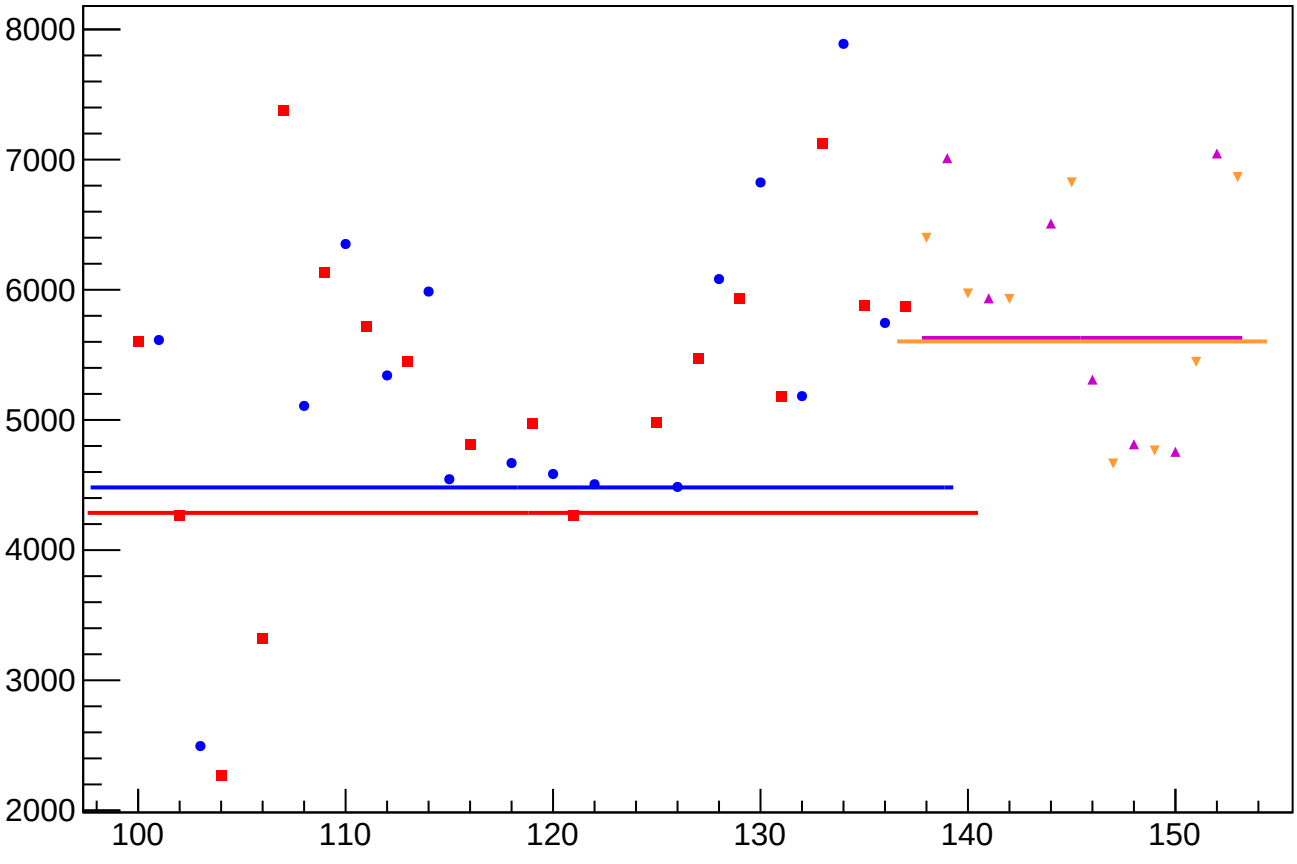
Left In: 1836.560+/-0.524 χ^2/NDF:6045.7/6

+ sign 1849.351+/-0.359 χ^2/NDF: 300245.1/23

All: 1847.273+/-0.254 χ^2/NDF: 408618.0/48

- sign 1845.202+/-0.358 χ^2/NDF: 108305.9/24


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: 2136.336+/-2284.384 χ²/NDF:9.6/7
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -1454.905+/-2307.006 χ²/NDF:2.3/6
+ sign 87.607+/-1393.141 χ²/NDF: 25.6/23
All: -191.972+/-976.757 χ²/NDF: 43.8/48
- sign -462.278+/-1369.840 χ²/NDF: 18.1/24



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5603.070+/-1.615 χ^2/NDF:259528.9/7

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

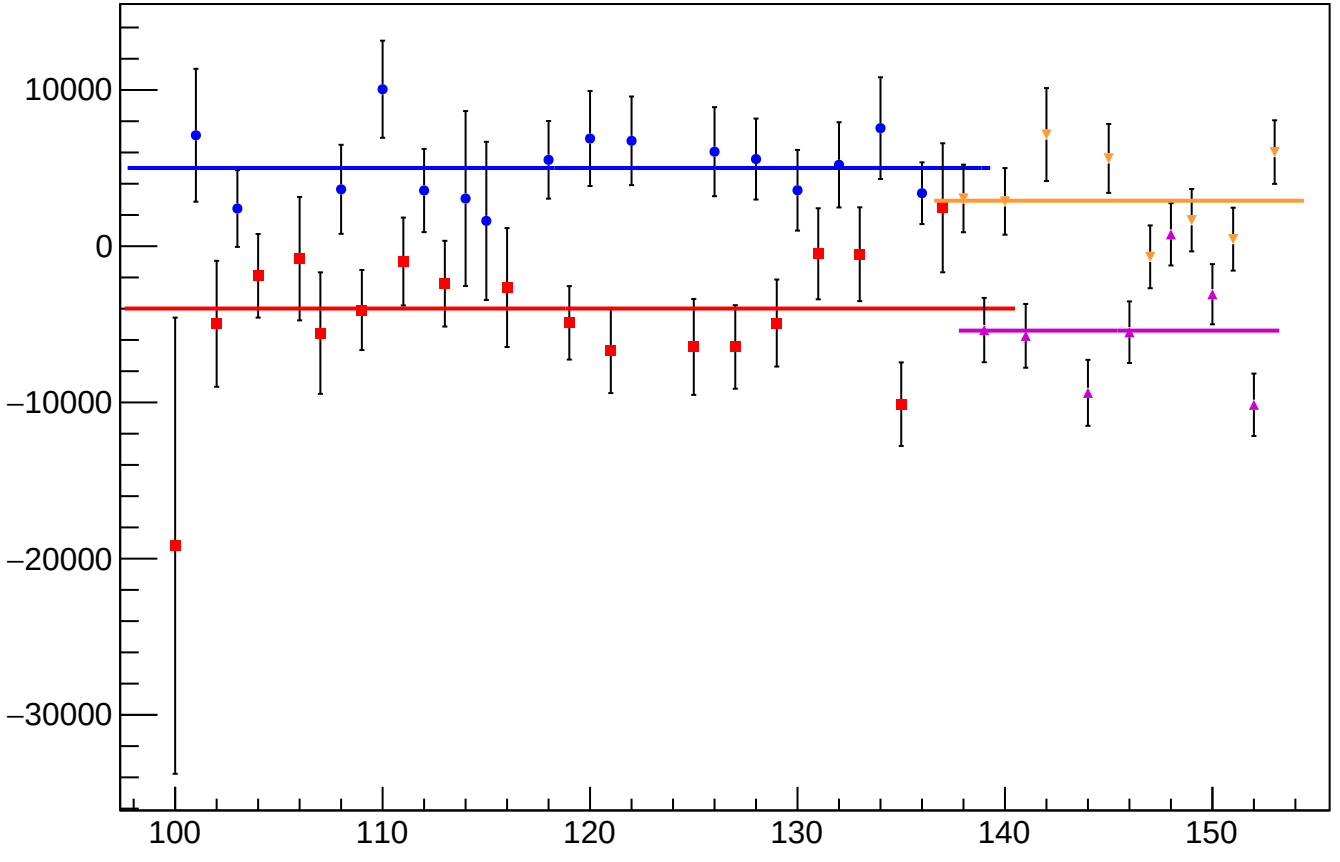
Left In: 5629.490+/-1.631 χ^2/NDF:287397.9/6

+ sign 4898.648+/-0.985 χ^2/NDF: 1924575.8/23

All: 4828.029+/-0.691 χ^2/NDF: 4210985.0/48

- sign 4759.752+/-0.969 χ^2/NDF: 2276301.6/24

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2912.941+/-758.436 χ^2/NDF:11.0/7

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

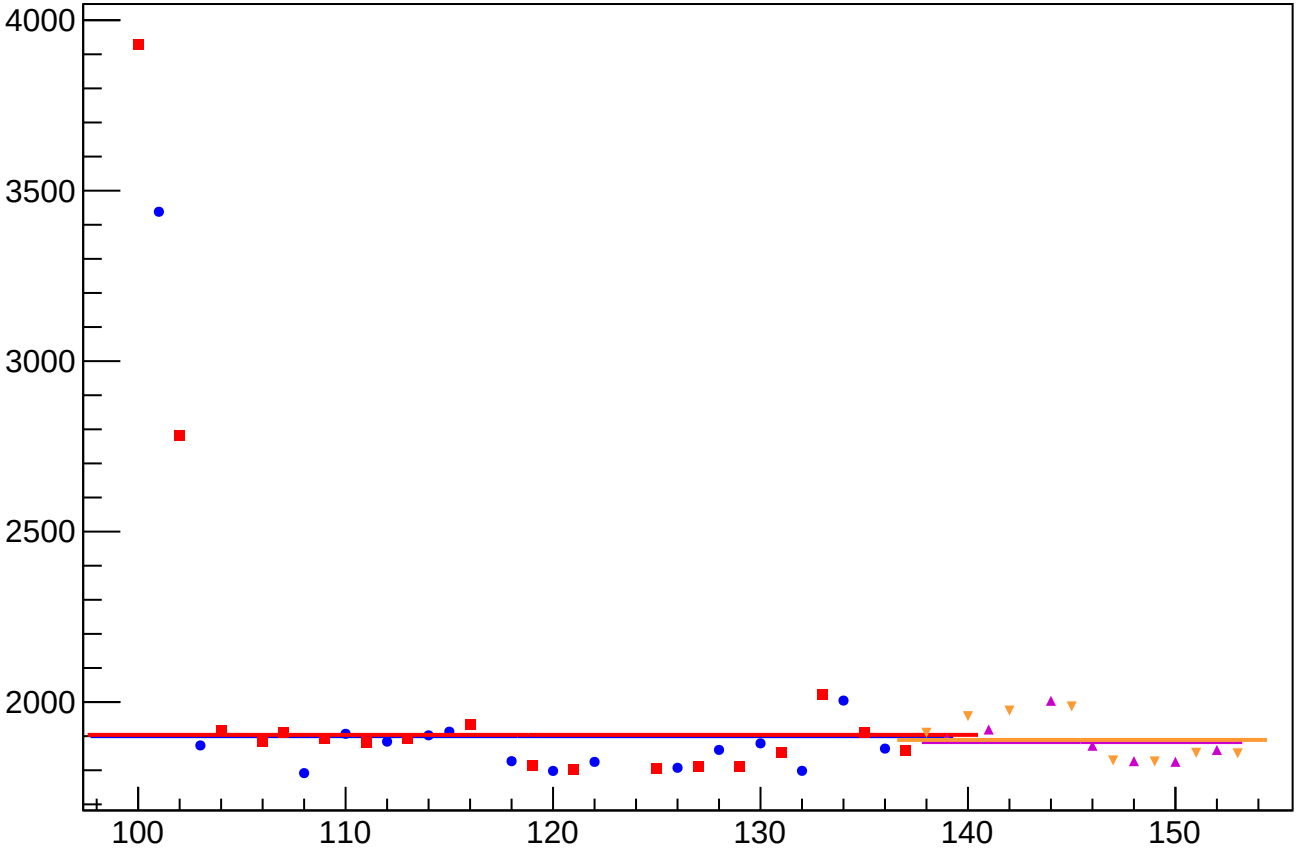
Left In: -5402.642+/-760.326 χ^2/NDF:20.3/6

+ sign 4023.186+/-519.898 χ^2/NDF: 22.7/23

All: -295.660+/-368.511 χ^2/NDF: 200.8/48

- sign -4656.487+/-522.418 χ^2/NDF: 39.5/24

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1889.050+/-0.536 χ^2/NDF:13206.0/7

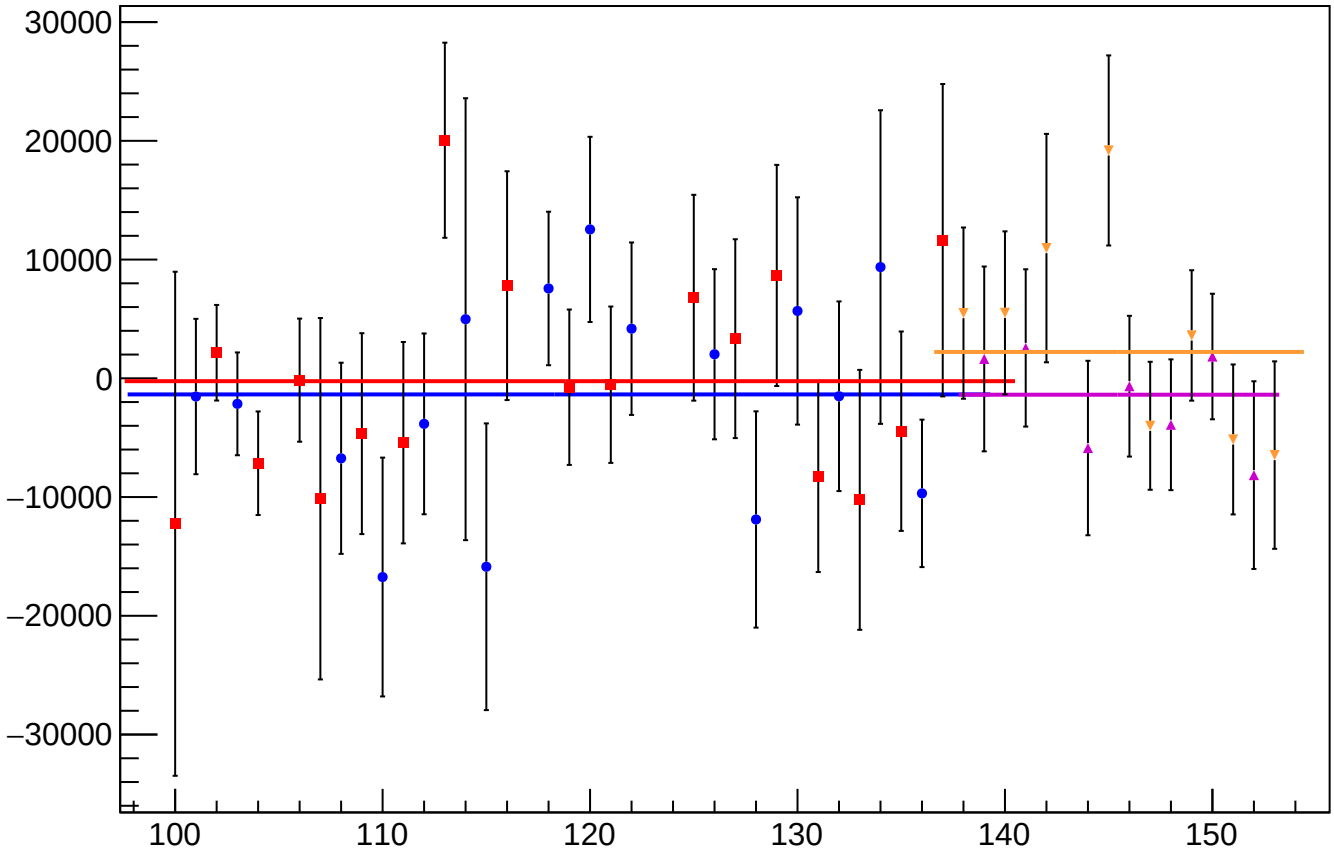
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1882.692+/-0.538 χ^2/NDF:10976.4/6

+ sign 1894.914+/-0.368 χ^2/NDF: 291879.7/23

All: 1894.389+/-0.261 χ^2/NDF: 453792.7/48

- sign 1893.861+/-0.369 χ^2/NDF: 161908.8/24



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 2220.456+/-2386.409 χ^2/NDF:9.7/7

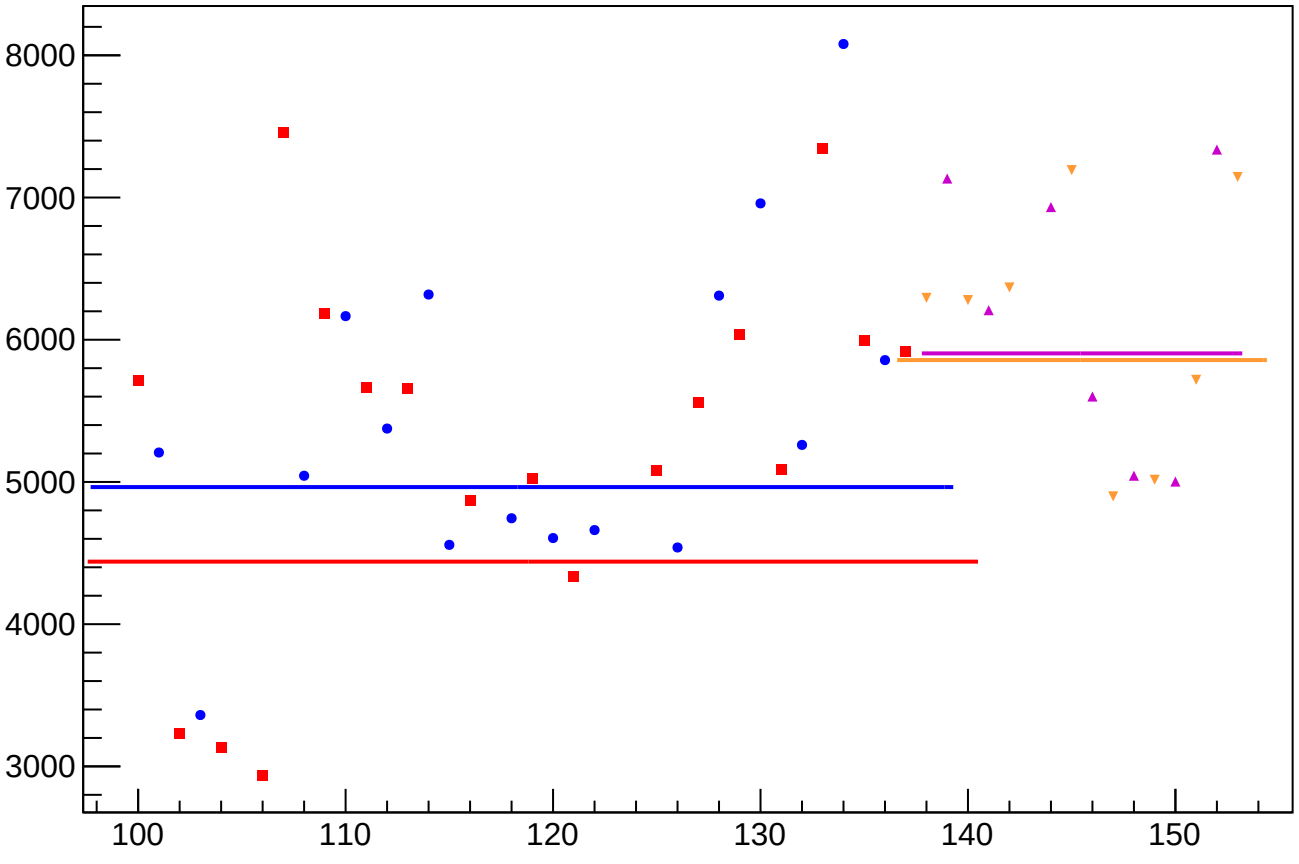
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -1381.706+/-2417.895 χ^2/NDF:2.2/6

+ sign 27.578+/-1484.498 χ^2/NDF: 25.8/23

All: -316.897+/-1017.582 χ^2/NDF: 44.0/48

- sign -622.218+/-1397.588 χ^2/NDF: 18.1/24



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 5857.050+/-1.687 χ^2/NDF:240630.3/7

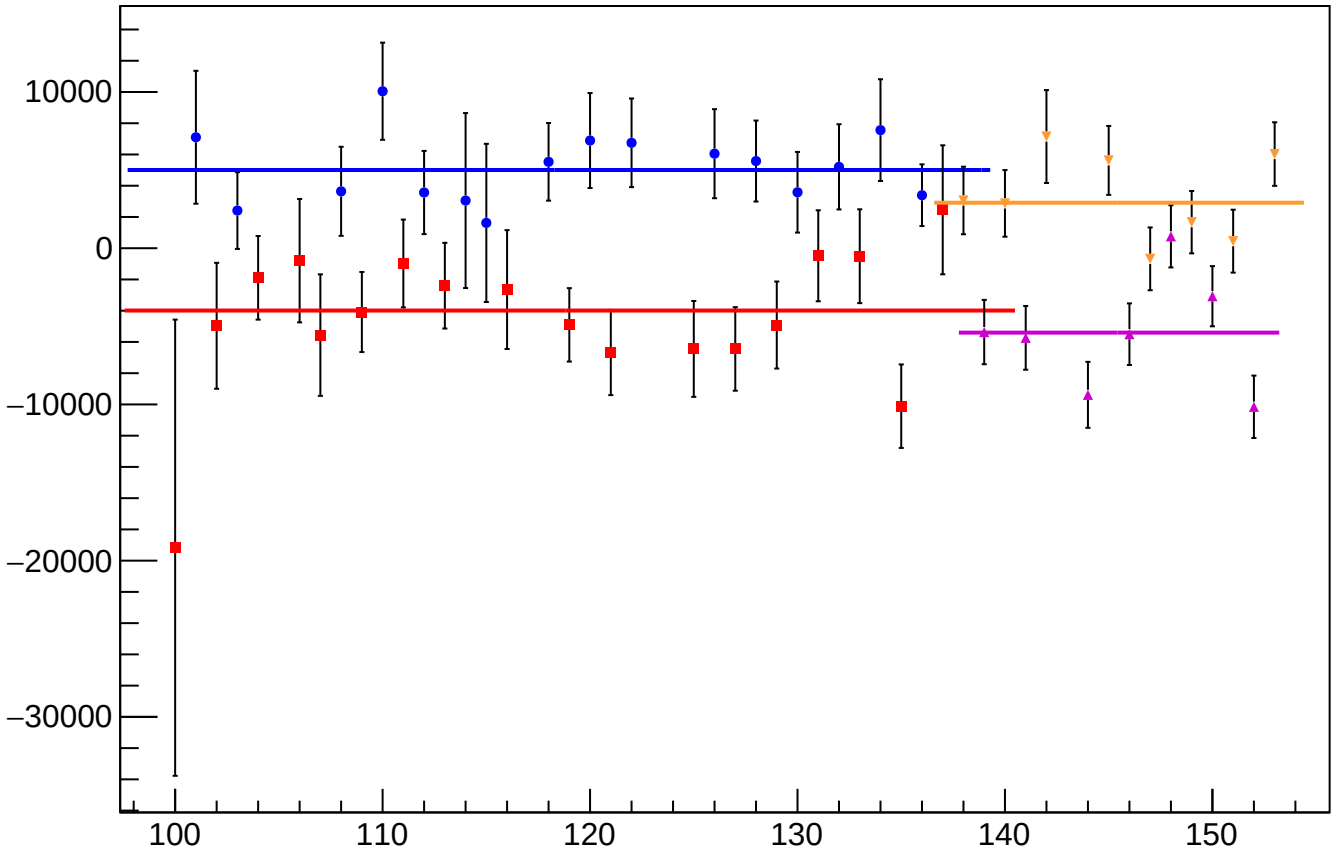
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 5904.069+/-1.710 χ^2/NDF:271242.0/6

+ sign 5309.576+/-1.050 χ^2/NDF: 1039711.2/23

All: 5107.788+/-0.720 χ^2/NDF: 3027684.0/48

- sign 4928.936+/-0.988 χ^2/NDF: 1918265.3/24



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2912.943+/-758.436 χ^2/NDF:11.0/7

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

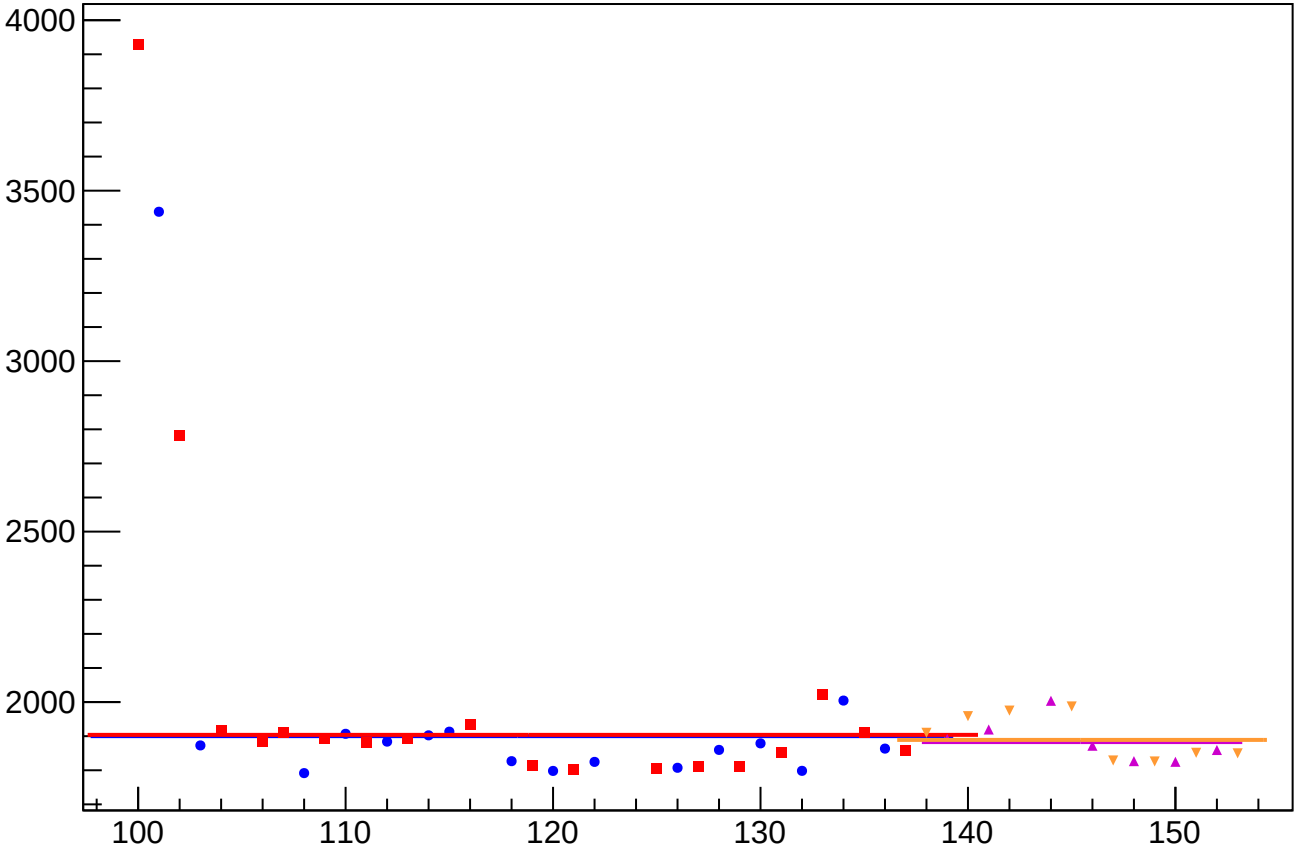
Left In: -5402.641+/-760.327 χ^2/NDF:20.3/6

+ sign 4023.187+/-519.898 χ^2/NDF: 22.7/23

All: -295.659+/-368.511 χ^2/NDF: 200.8/48

- sign -4656.485+/-522.418 χ^2/NDF: 39.5/24

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1889.051+/-0.536 χ^2/NDF:13206.2/7

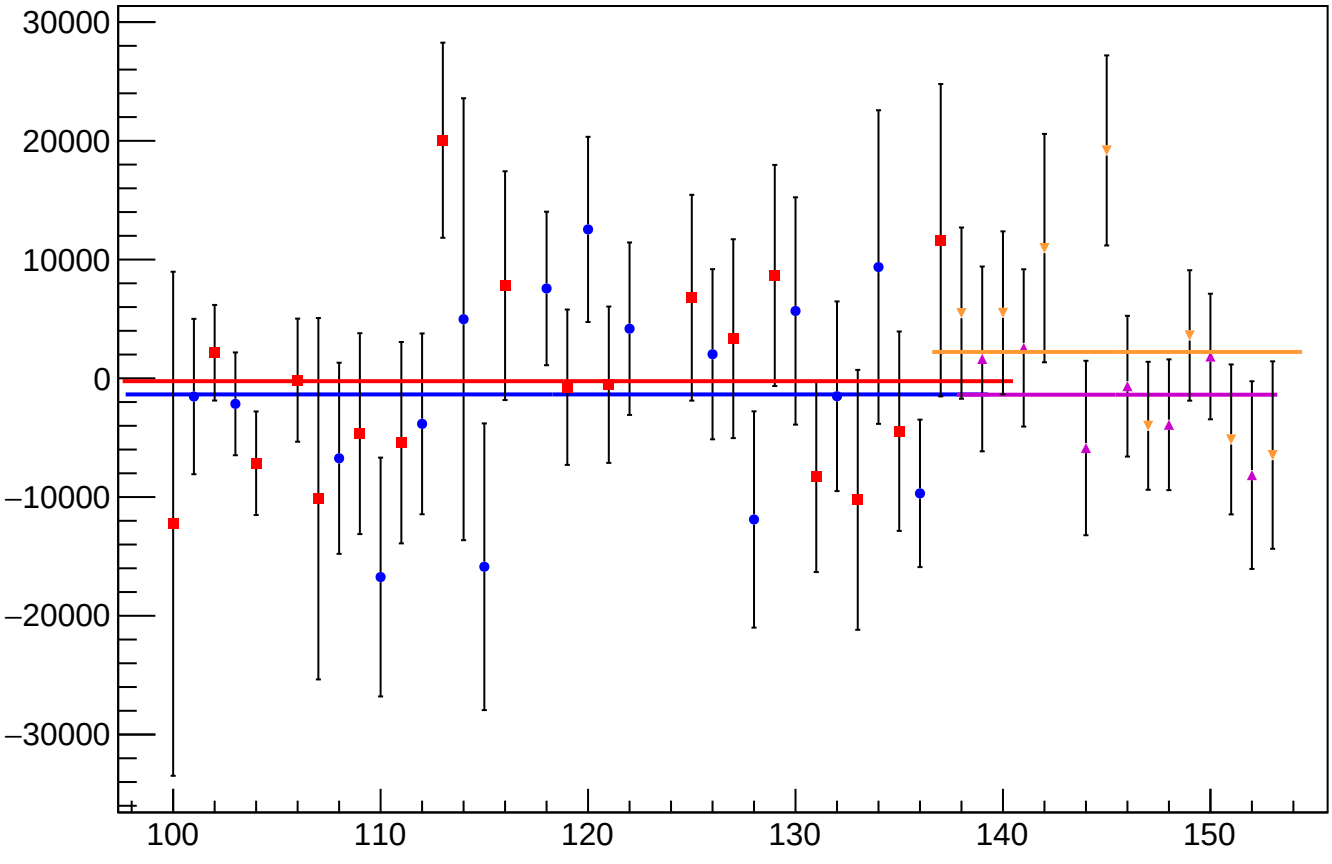
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1882.694+/-0.538 χ^2/NDF:10976.6/6

+ sign 1894.914+/-0.368 χ^2/NDF: 291880.1/23

All: 1894.390+/-0.261 χ^2/NDF: 453792.3/48

- sign 1893.861+/-0.369 χ^2/NDF: 161908.1/24



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 2220.452+/-2386.413 χ^2/NDF:9.7/7

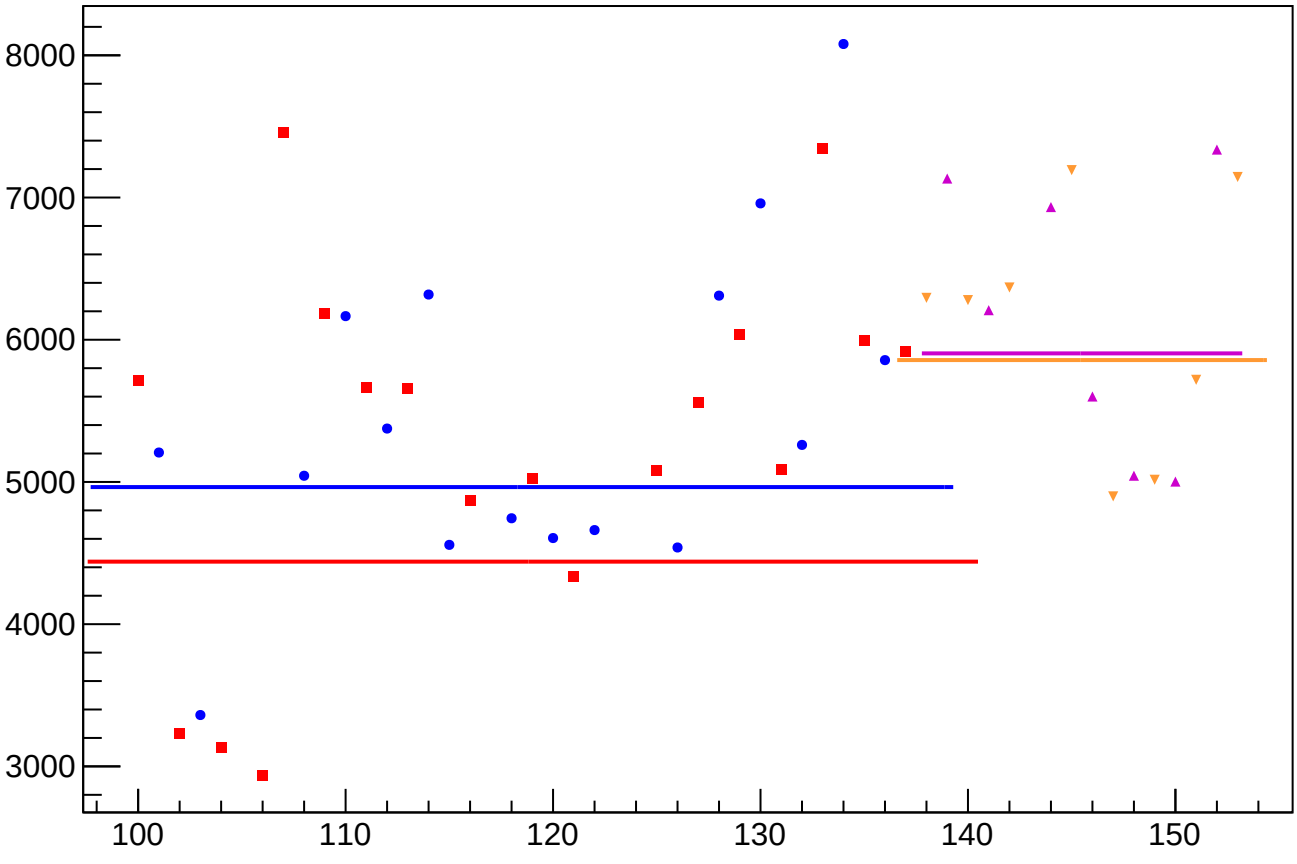
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -1381.706+/-2417.899 χ^2/NDF:2.2/6

+ sign 27.576+/-1484.496 χ^2/NDF: 25.8/23

All: -316.897+/-1017.581 χ^2/NDF: 44.0/48

- sign -622.217+/-1397.587 χ^2/NDF: 18.1/24



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 5857.058+/-1.687 χ^2/NDF:240631.7/7

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

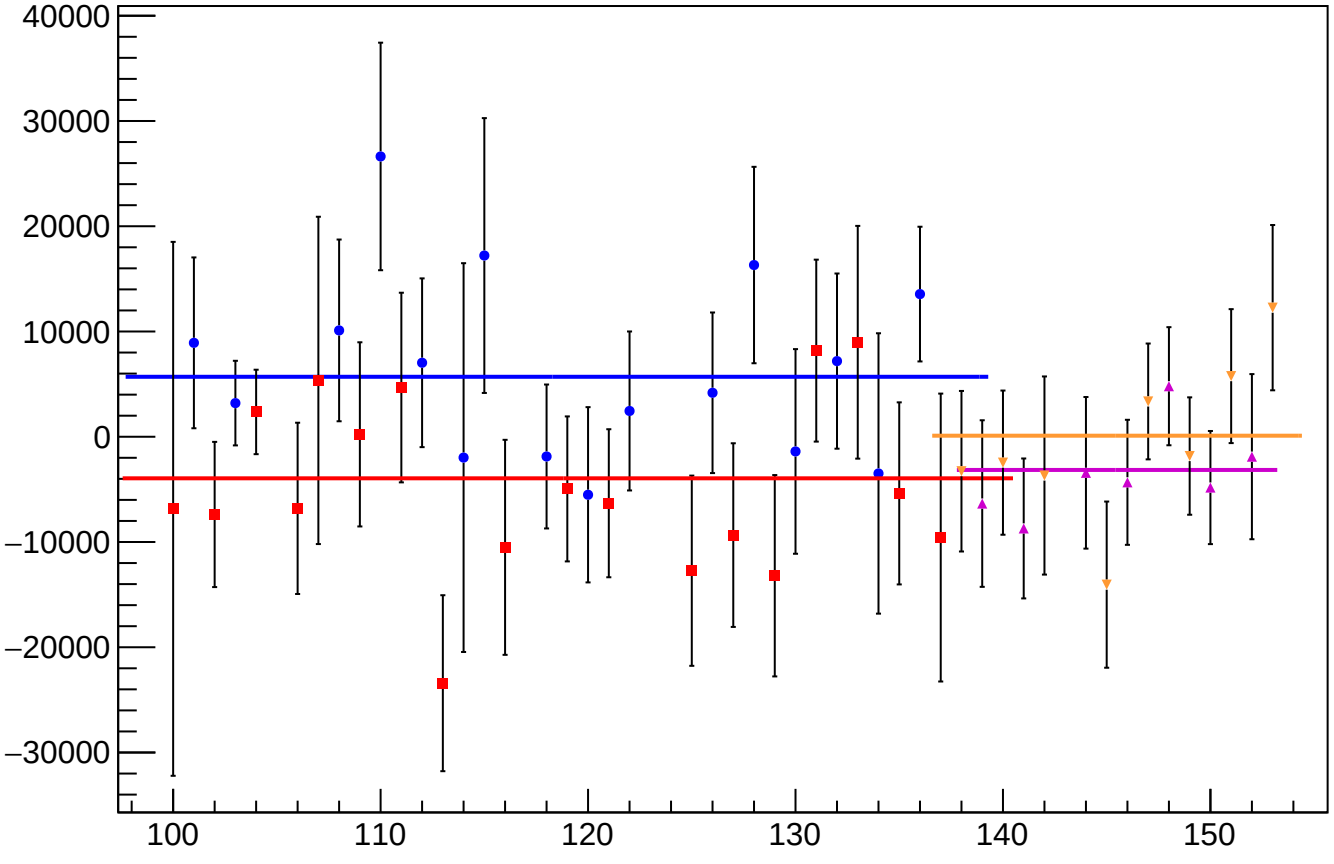
Left In: 5904.077+/-1.710 χ^2/NDF:271242.7/6

+ sign 5309.569+/-1.050 χ^2/NDF: 1039723.2/23

All: 5107.781+/-0.720 χ^2/NDF: 3027709.5/48

- sign 4928.929+/-0.988 χ^2/NDF: 1918278.5/24

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 99.951+/-2411.706 χ^2/NDF:7.4/7

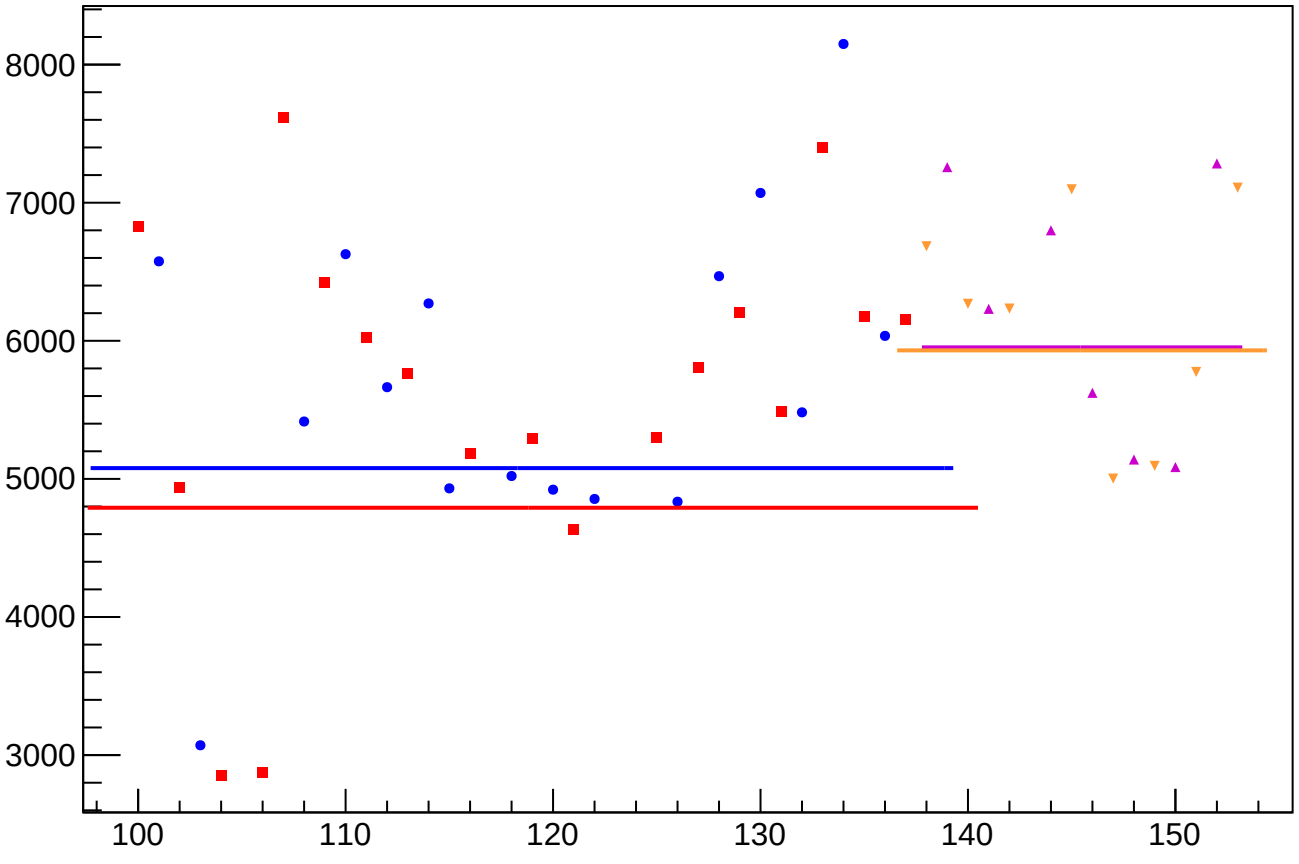
Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: -3154.460+/-2433.550 χ^2/NDF:3.0/6

\+ sign 3471.888+/-1520.665 χ^2/NDF: 23.3/23

All: -116.847+/-1070.633 χ^2/NDF: 53.5/48

\- sign -3644.298+/-1507.625 χ^2/NDF: 19.2/24



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 5930.649+/-1.705 χ^2/NDF:218230.5/7

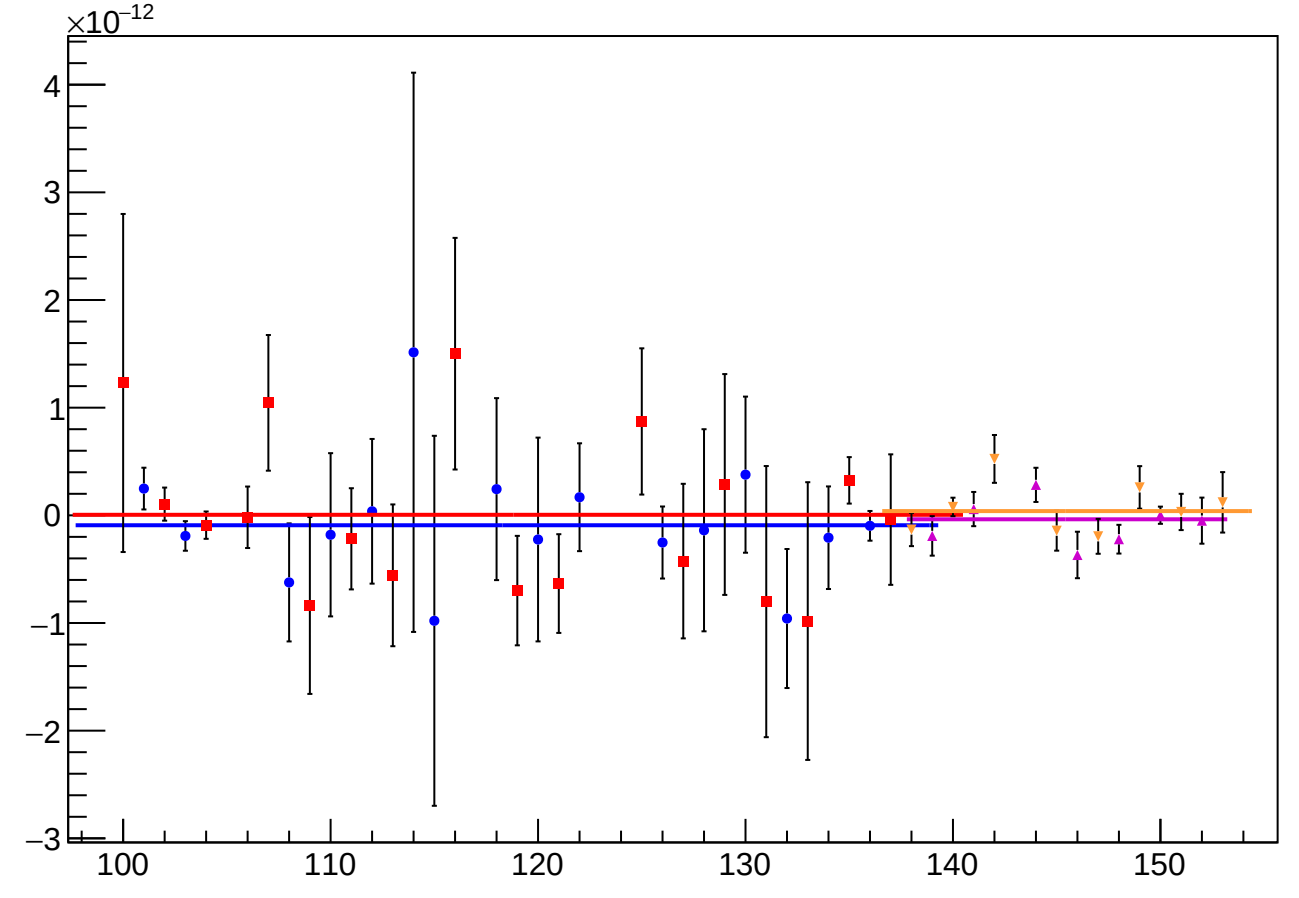
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 5952.476+/-1.721 χ^2/NDF:243338.4/6

+ sign 5417.079+/-1.075 χ^2/NDF: 1287986.6/23

All: 5319.382+/-0.752 χ^2/NDF: 2994966.3/48

- sign 5225.748+/-1.053 χ^2/NDF: 1690812.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/7

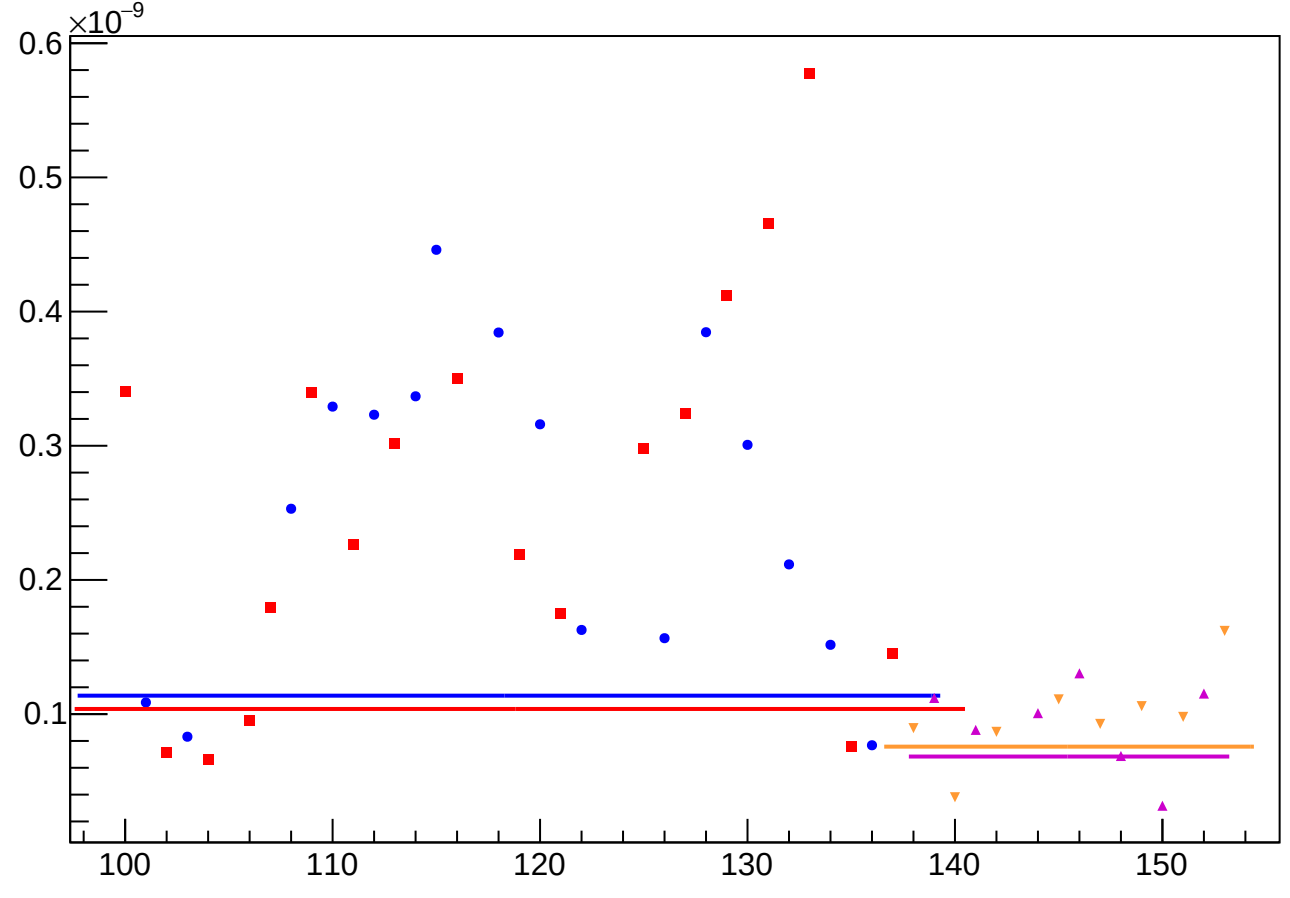
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:9.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 20.7/23

All: -0.000+/-0.000 χ^2/NDF: 48.0/48

- sign -0.000+/-0.000 χ^2/NDF: 27.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:772212.7/7

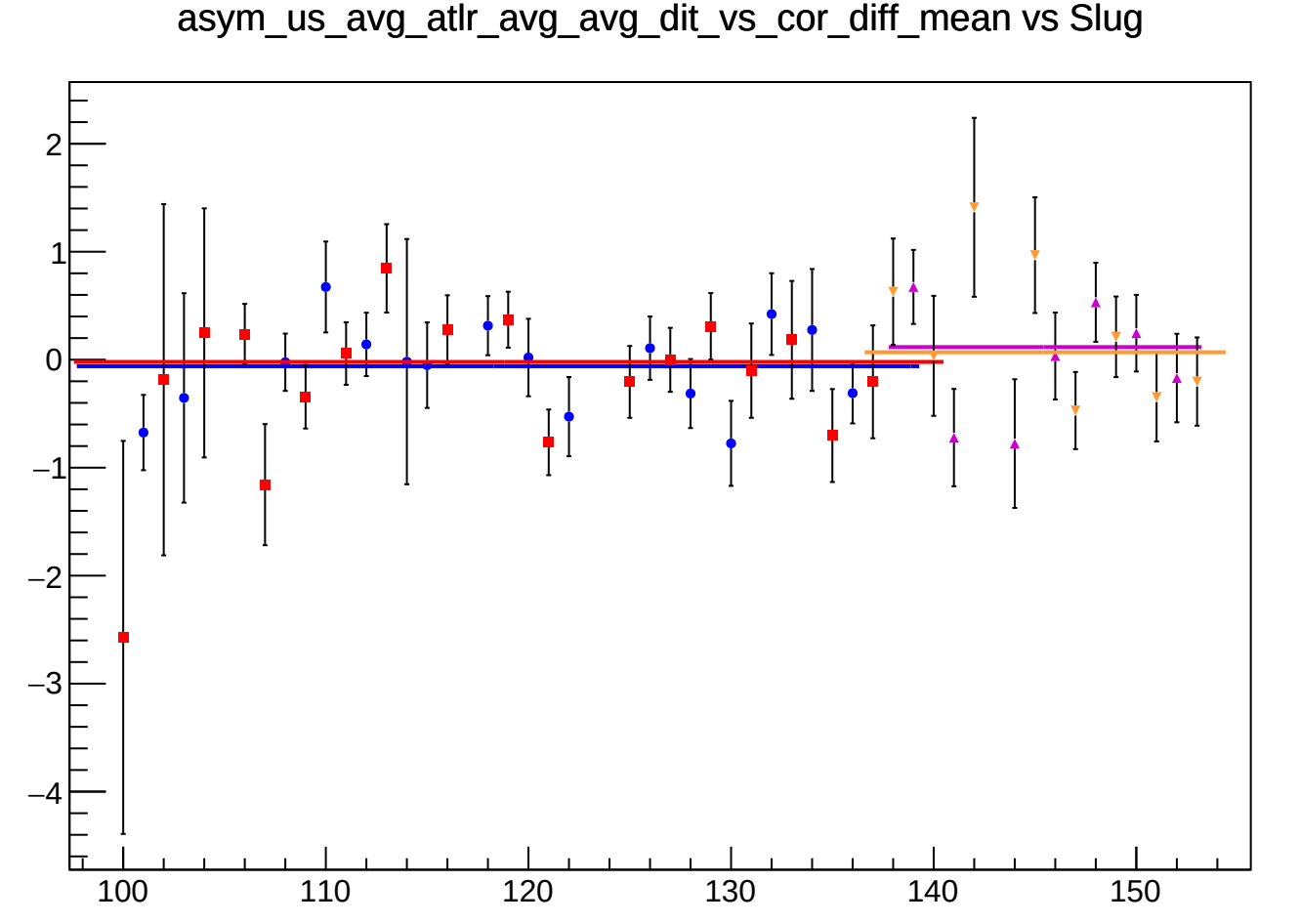
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:910409.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 2617654.0/23

All: 0.000+/-0.000 χ^2/NDF: 5943617.5/48

- sign 0.000+/-0.000 χ^2/NDF: 3287206.9/24



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.069+/-0.160 χ^2/NDF:10.6/7

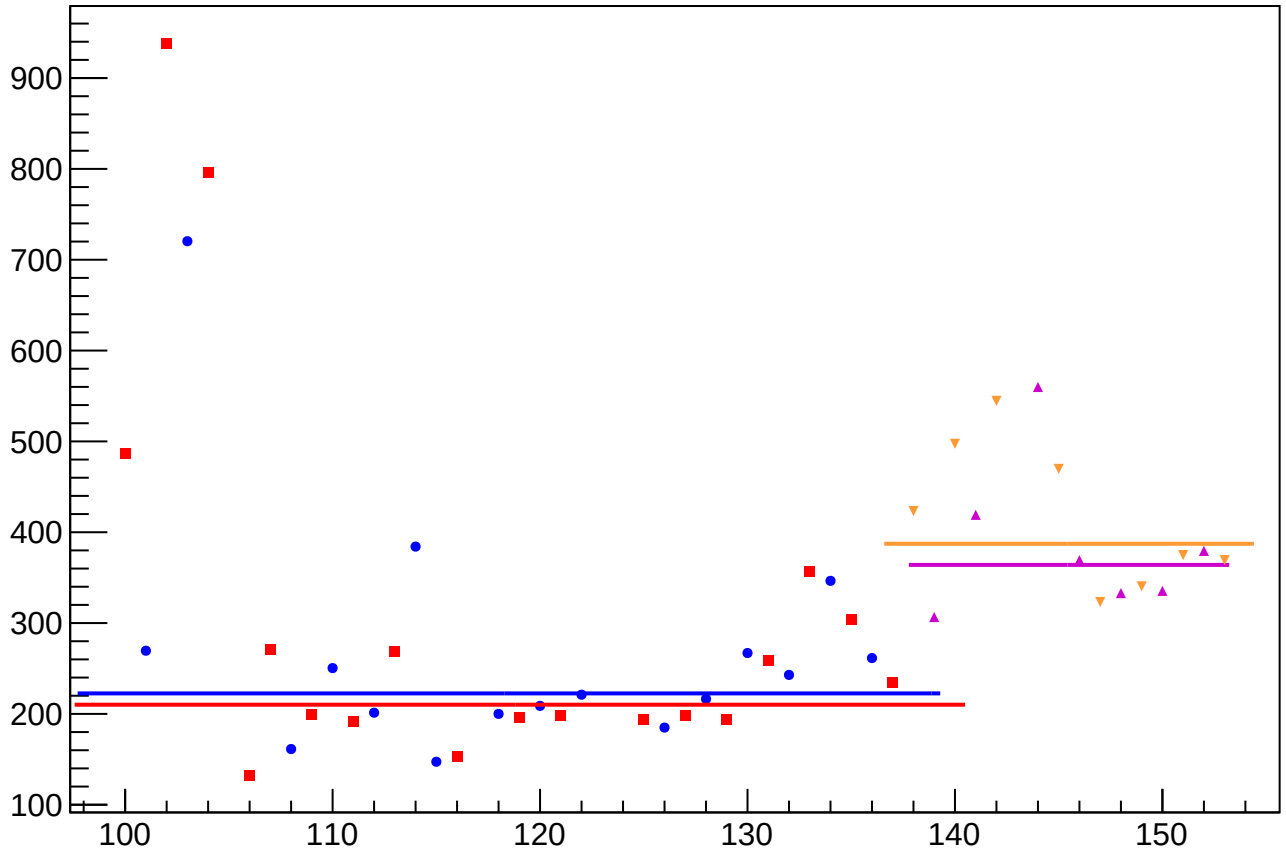
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.117+/-0.151 χ^2/NDF:10.3/6

+ sign -0.030+/-0.078 χ^2/NDF: 28.4/23

All: -0.007+/-0.054 χ^2/NDF: 65.6/48

- sign 0.014+/-0.076 χ^2/NDF: 37.0/24



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 387.300+/-0.113 χ^2/NDF:310289.7/7

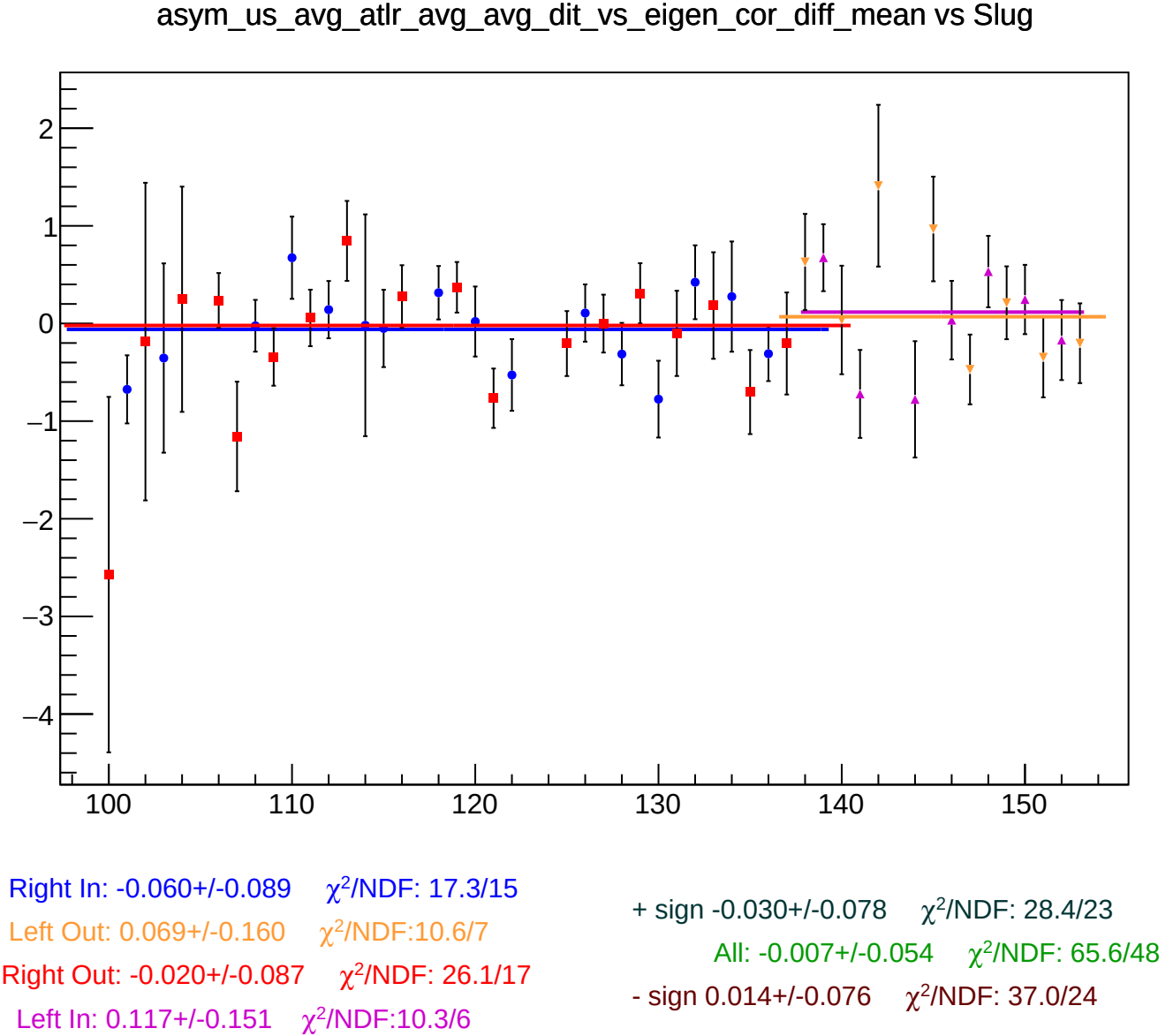
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 364.046+/-0.107 χ^2/NDF:332654.7/6

+ sign 261.396+/-0.055 χ^2/NDF: 2956510.5/23

All: 254.911+/-0.038 χ^2/NDF: 6419826.8/48

- sign 248.729+/-0.054 χ^2/NDF: 3435967.4/24


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
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130
140
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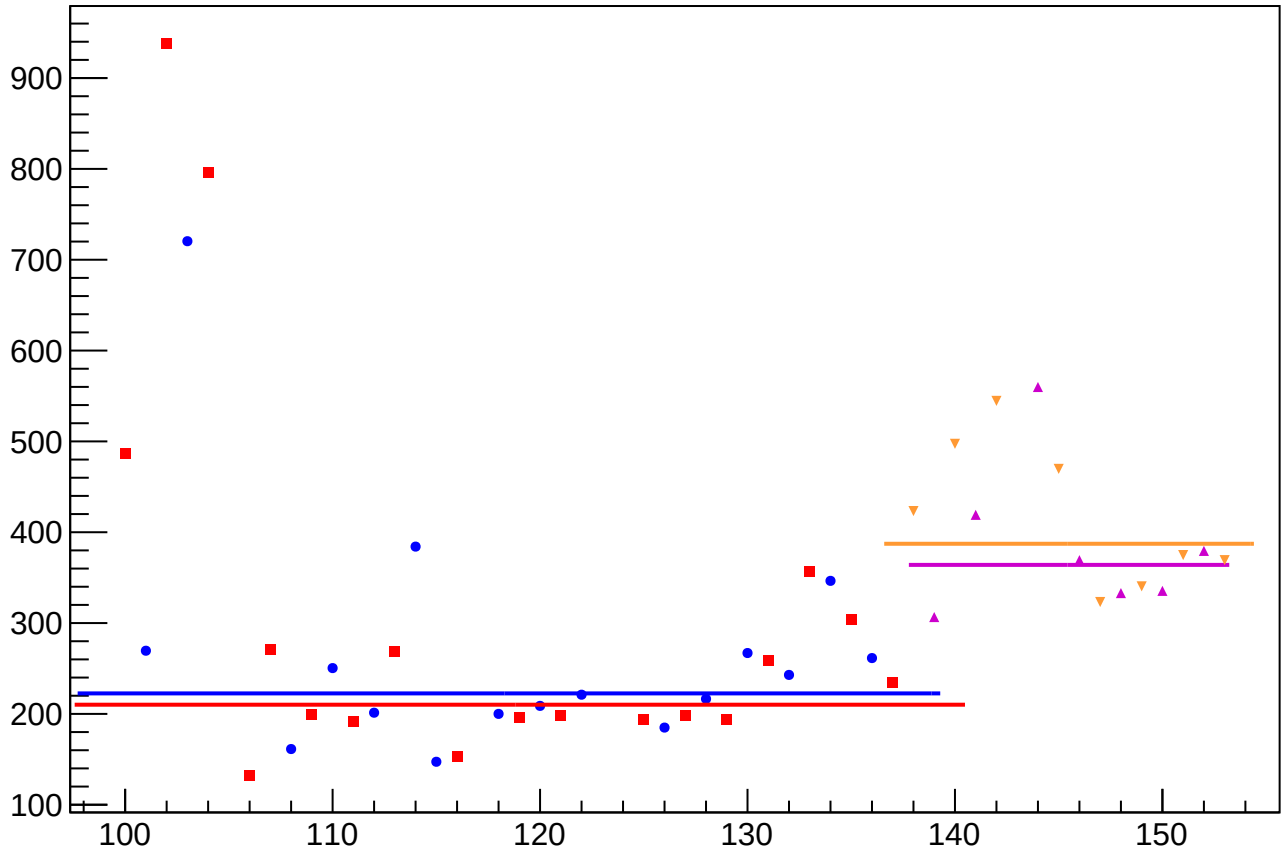
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.069+/-0.160 χ²/NDF:10.6/7
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.117+/-0.151 χ²/NDF:10.3/6
+ sign -0.030+/-0.078 χ²/NDF: 28.4/23
All: -0.007+/-0.054 χ²/NDF: 65.6/48
- sign 0.014+/-0.076 χ²/NDF: 37.0/24



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 387.300+/-0.113 χ^2/NDF:310289.7/7

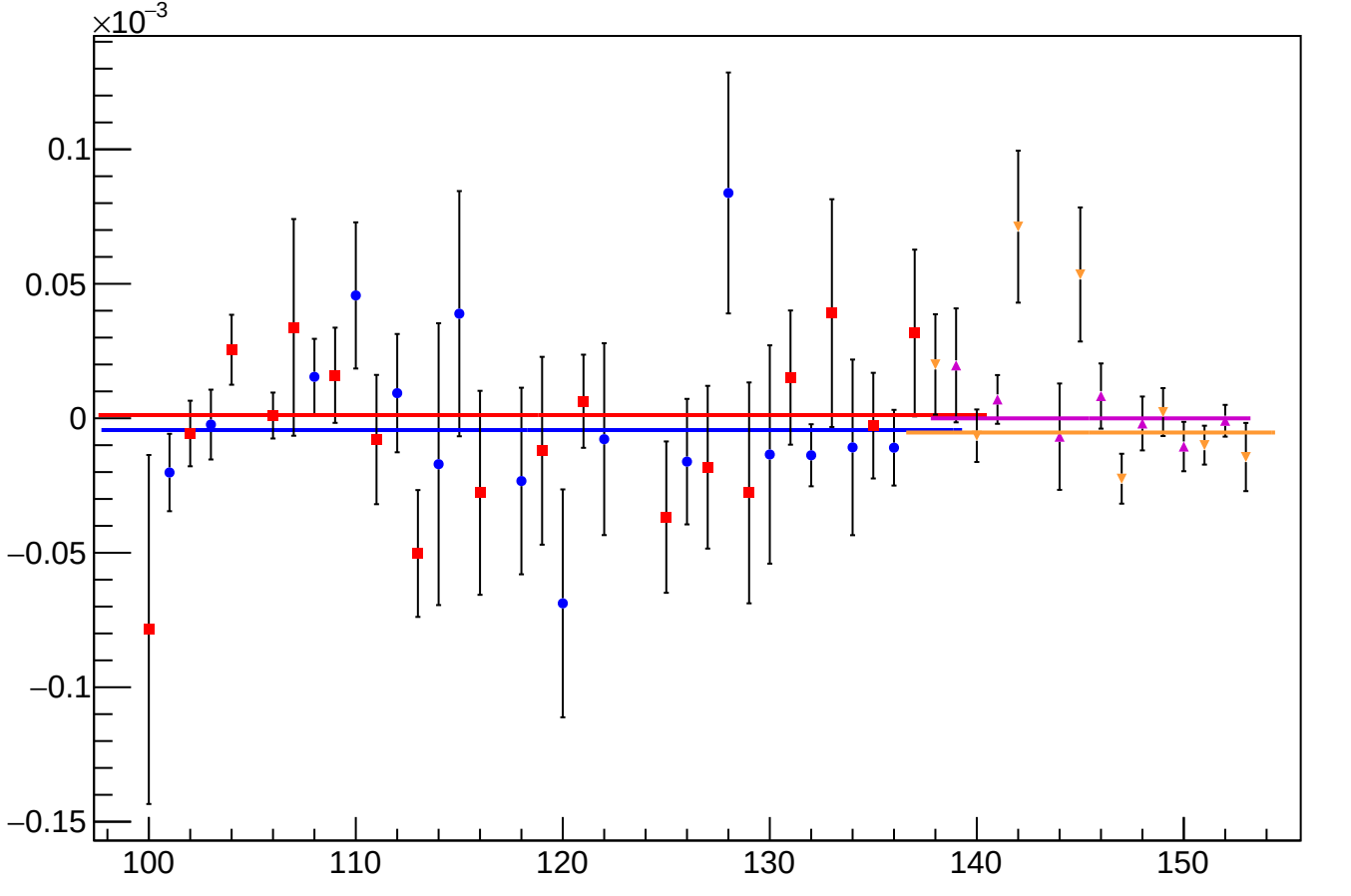
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 364.046+/-0.107 χ^2/NDF:332654.7/6

+ sign 261.396+/-0.055 χ^2/NDF: 2956510.5/23

All: 254.911+/-0.038 χ^2/NDF: 6419826.8/48

- sign 248.729+/-0.054 χ^2/NDF: 3435967.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/7

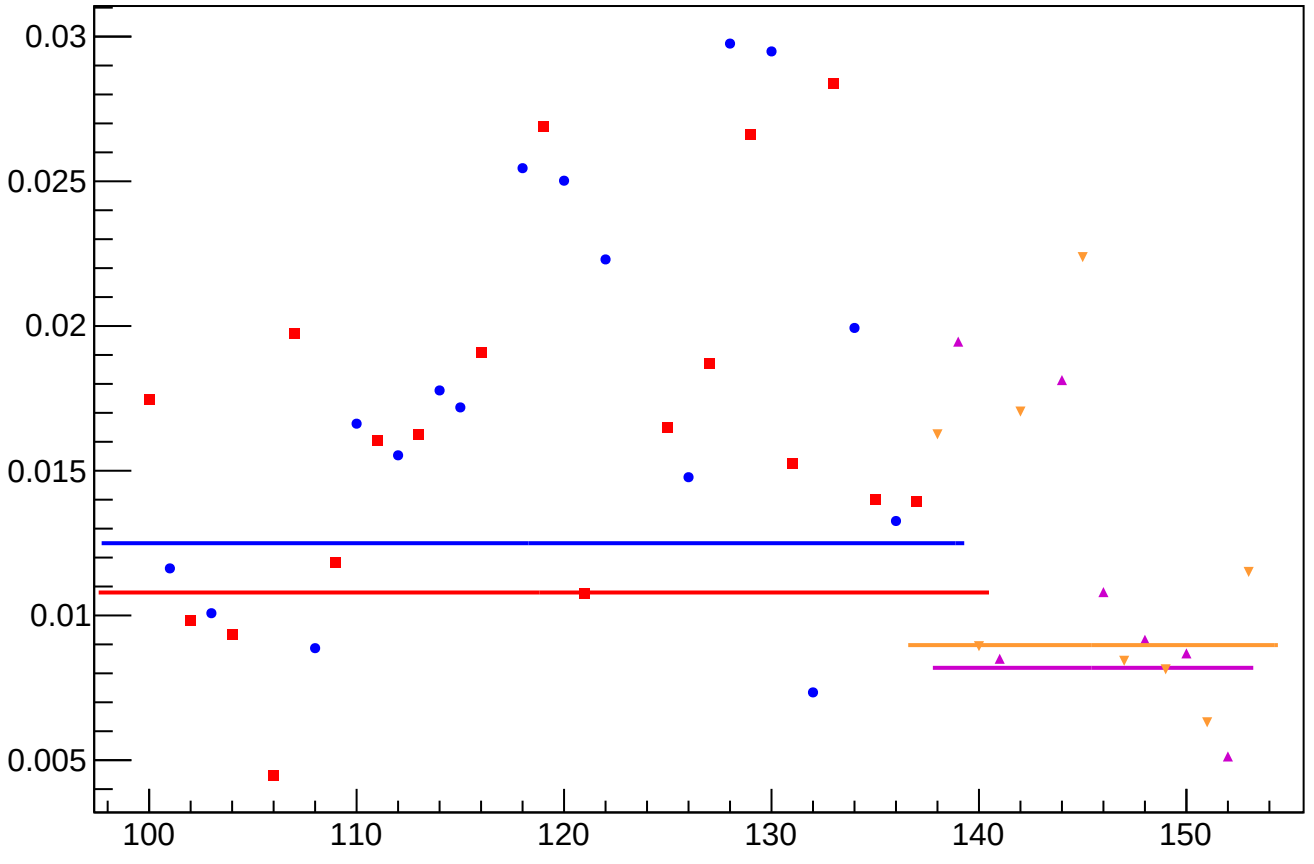
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:3.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/23

All: -0.000+/-0.000 χ^2/NDF: 57.8/48

- sign 0.000+/-0.000 χ^2/NDF: 20.7/24



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1422337.7/7

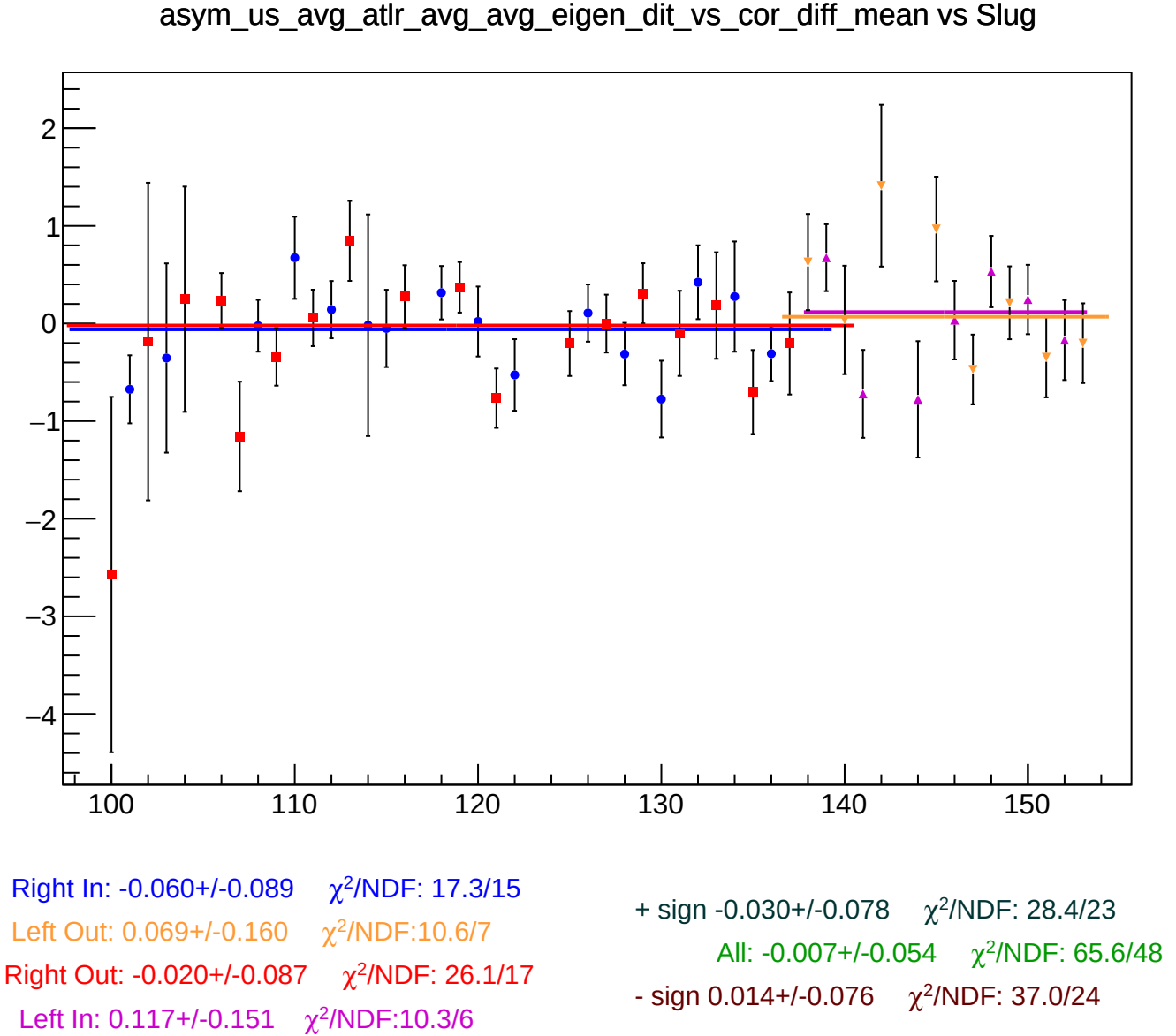
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:1729670.0/6

+ sign 0.010+/-0.000 χ^2/NDF: 4141083.5/23

All: 0.010+/-0.000 χ^2/NDF: 9380641.2/48

- sign 0.009+/-0.000 χ^2/NDF: 5110222.2/24


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
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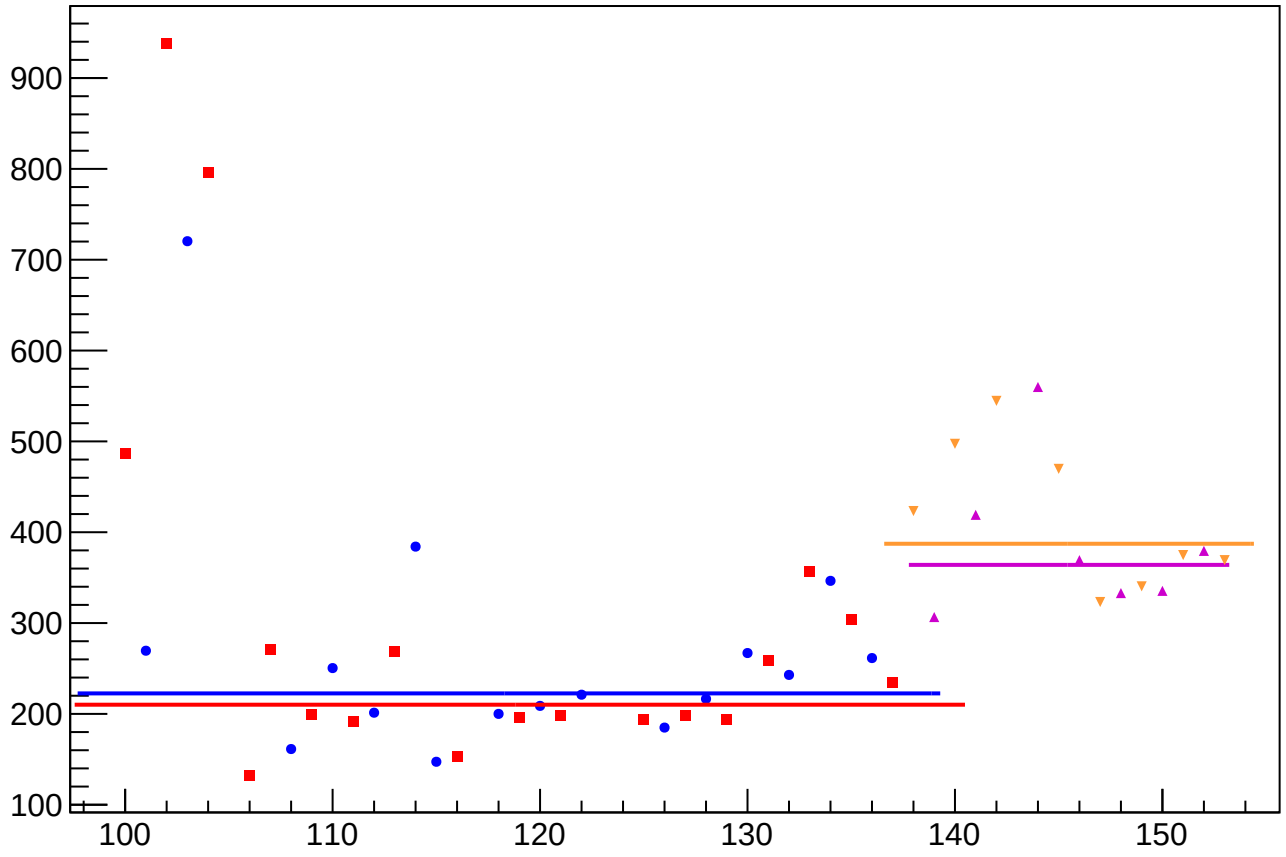
130
140
150
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.069+/-0.160 χ²/NDF:10.6/7
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.117+/-0.151 χ²/NDF:10.3/6
+ sign -0.030+/-0.078 χ²/NDF: 28.4/23
All: -0.007+/-0.054 χ²/NDF: 65.6/48
- sign 0.014+/-0.076 χ²/NDF: 37.0/24



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 387.305+/-0.113 χ^2/NDF:310289.0/7

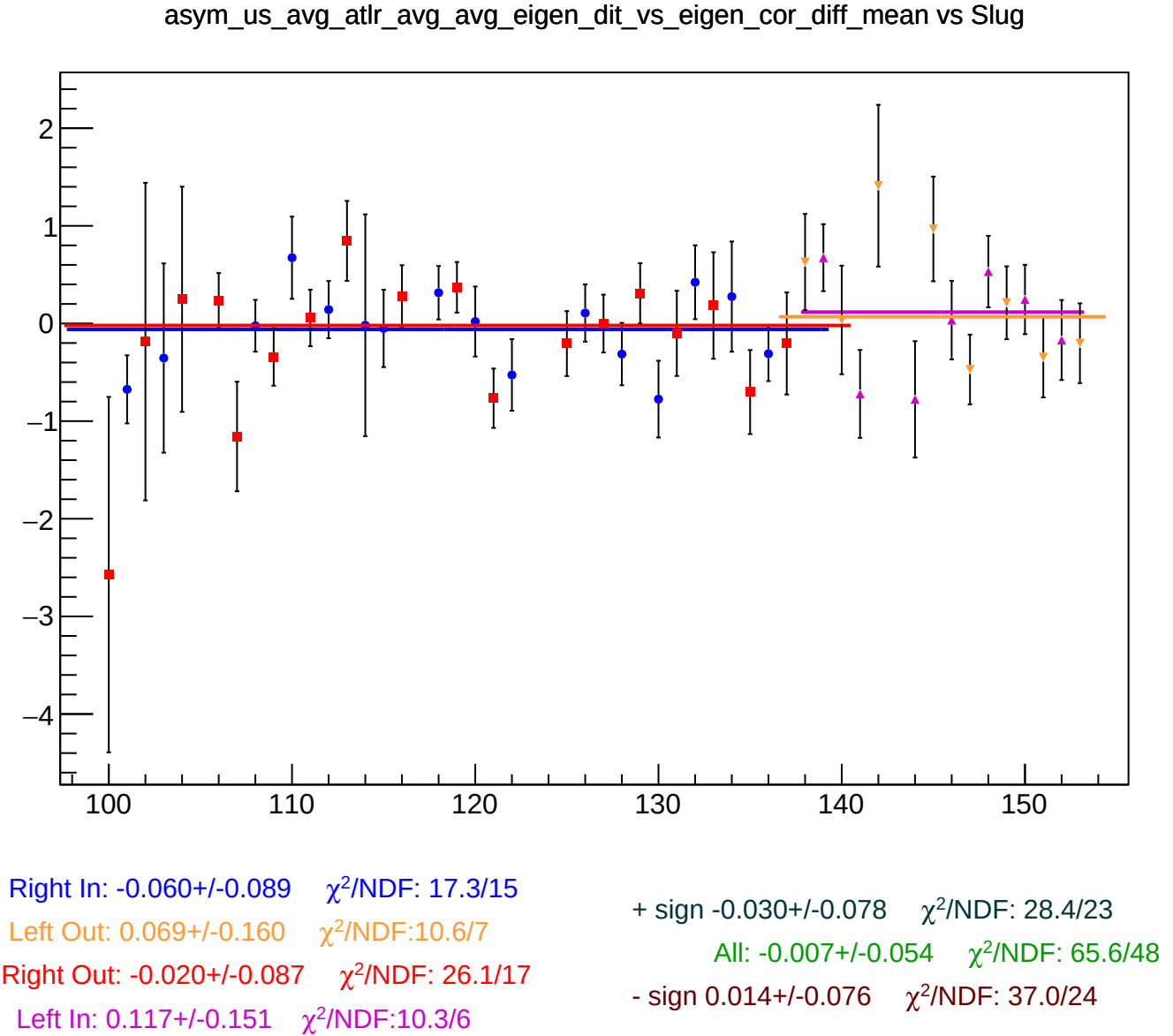
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 364.052+/-0.107 χ^2/NDF:332645.6/6

+ sign 261.394+/-0.055 χ^2/NDF: 2956596.0/23

All: 254.909+/-0.038 χ^2/NDF: 6420020.9/48

- sign 248.726+/-0.054 χ^2/NDF: 3436072.5/24


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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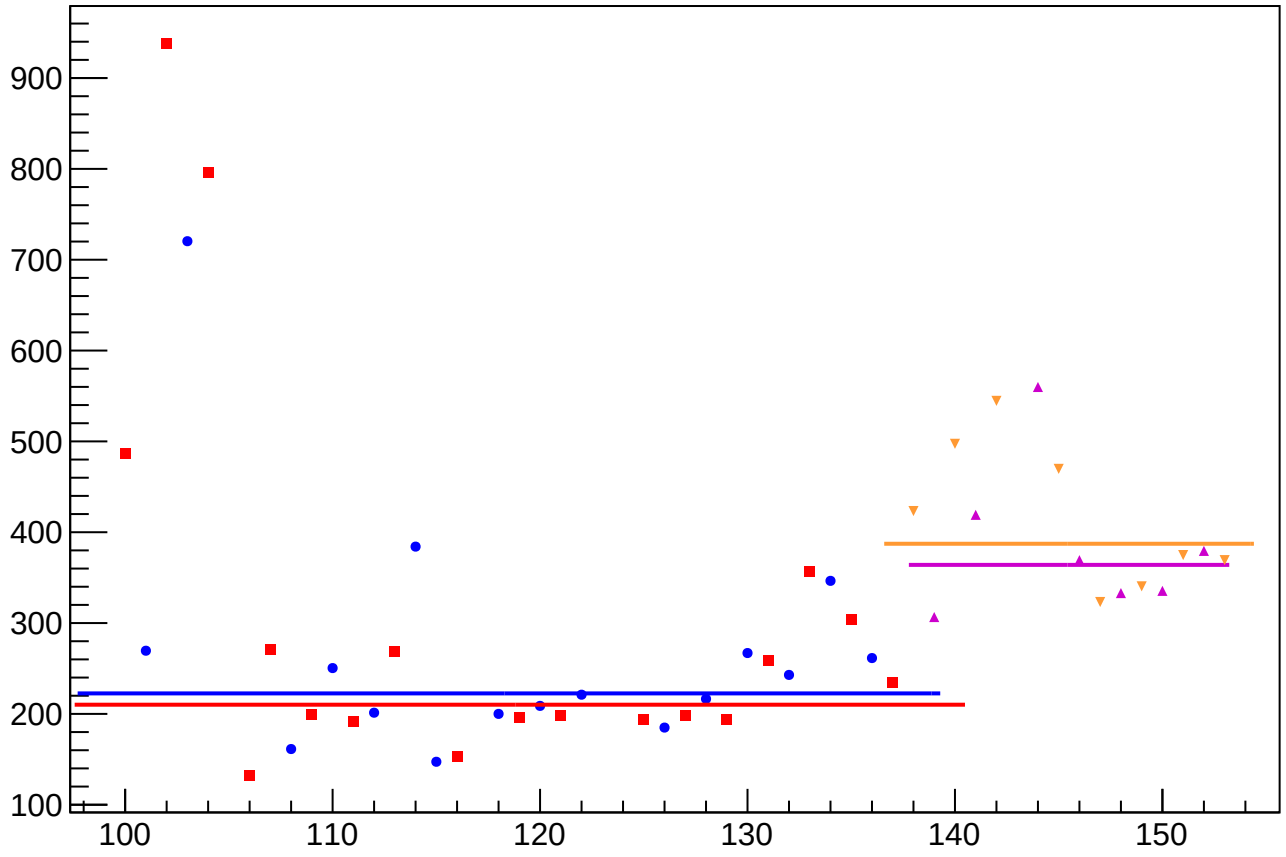
120
130
140
150
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.069+/-0.160 χ²/NDF:10.6/7
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.117+/-0.151 χ²/NDF:10.3/6
+ sign -0.030+/-0.078 χ²/NDF: 28.4/23
All: -0.007+/-0.054 χ²/NDF: 65.6/48
- sign 0.014+/-0.076 χ²/NDF: 37.0/24



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 387.305+/-0.113 χ^2/NDF:310289.0/7

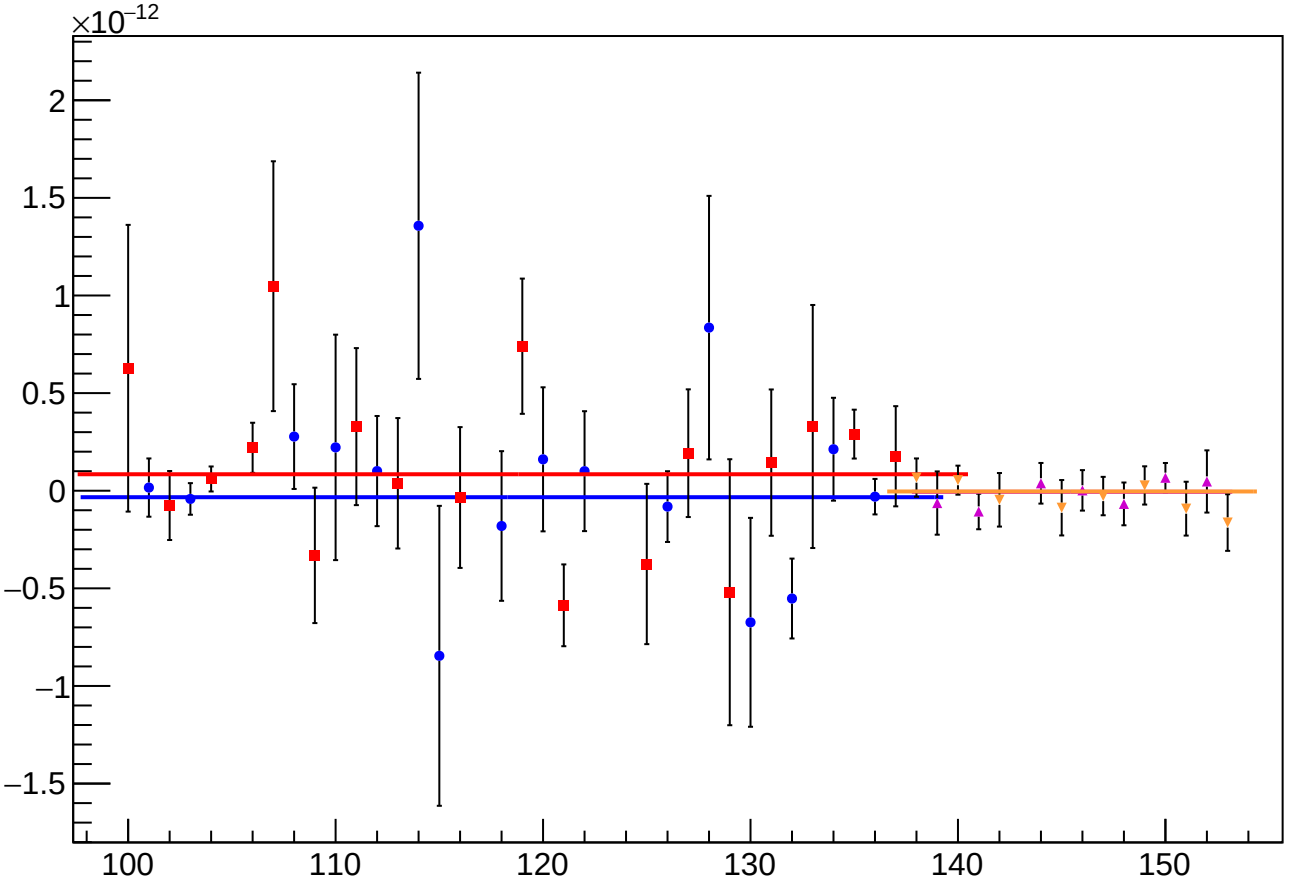
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 364.052+/-0.107 χ^2/NDF:332645.6/6

+ sign 261.394+/-0.055 χ^2/NDF: 2956596.0/23

All: 254.909+/-0.038 χ^2/NDF: 6420020.9/48

- sign 248.726+/-0.054 χ^2/NDF: 3436072.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/7

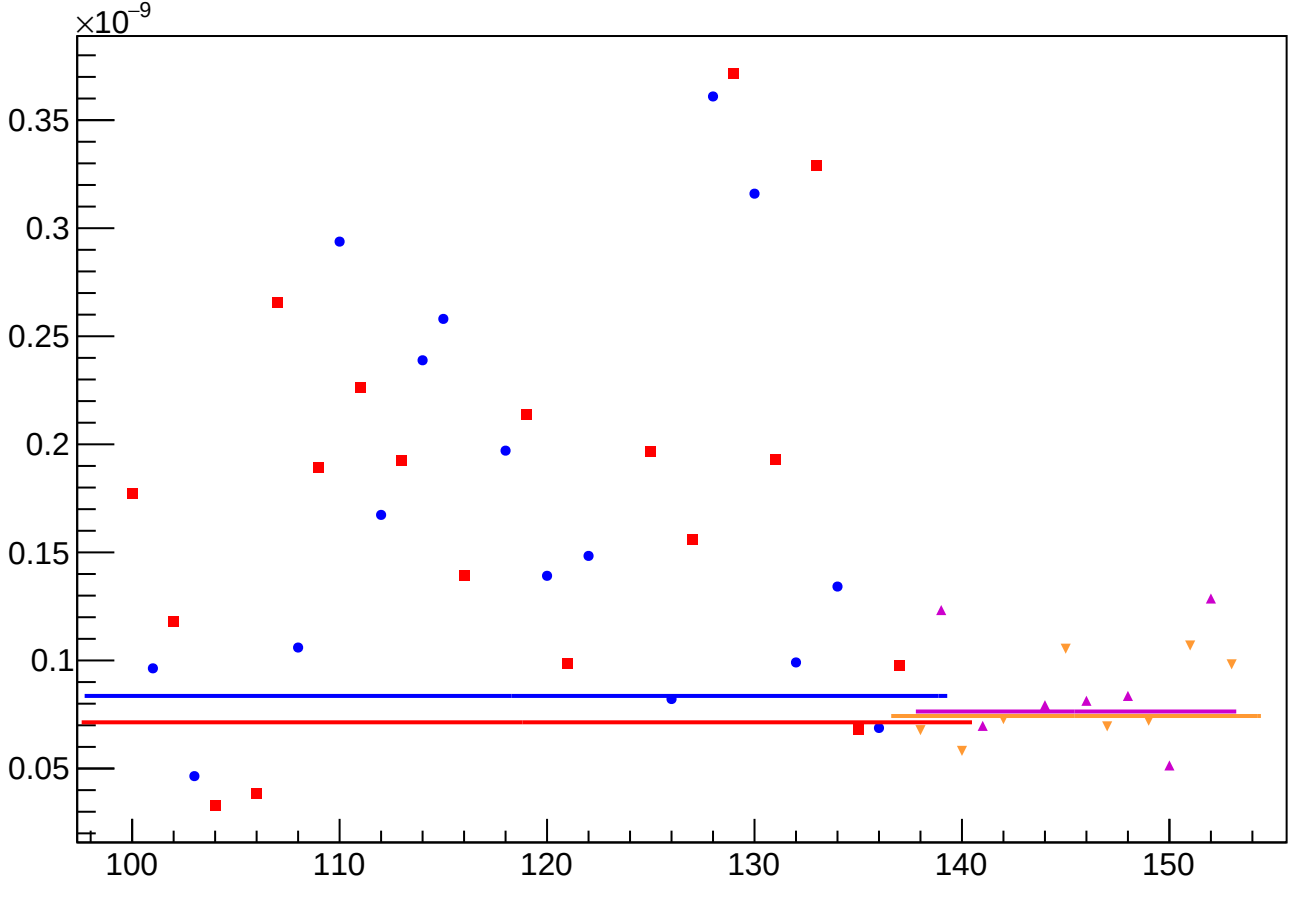
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 20.8/23

All: 0.000+/-0.000 χ^2/NDF: 53.2/48

- sign 0.000+/-0.000 χ^2/NDF: 31.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:371658.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

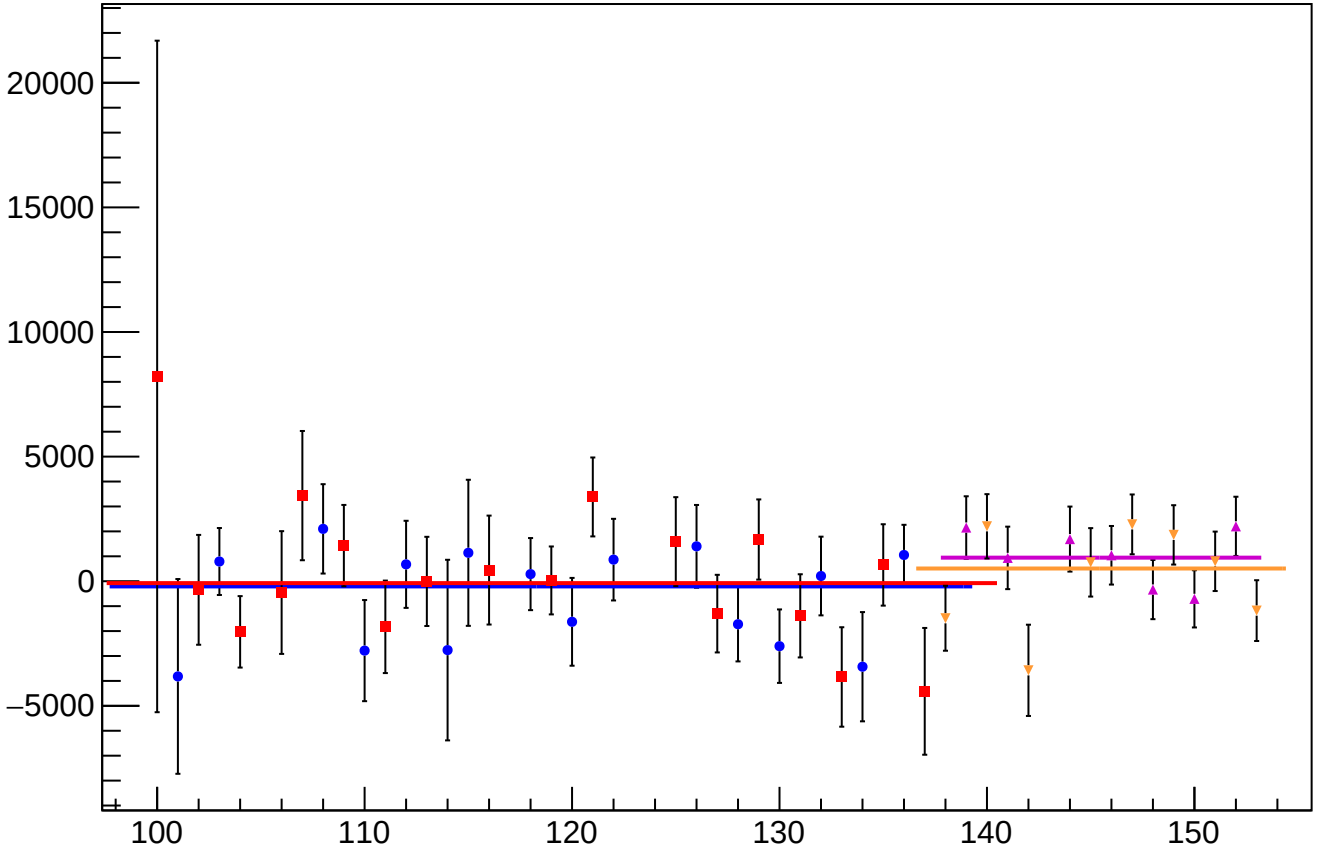
Left In: 0.000+/-0.000 χ^2/NDF:627022.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2654257.4/23

All: 0.000+/-0.000 χ^2/NDF: 7057134.1/48

- sign 0.000+/-0.000 χ^2/NDF: 4386428.5/24

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 510.532+/-456.728 χ^2/NDF:14.5/7

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

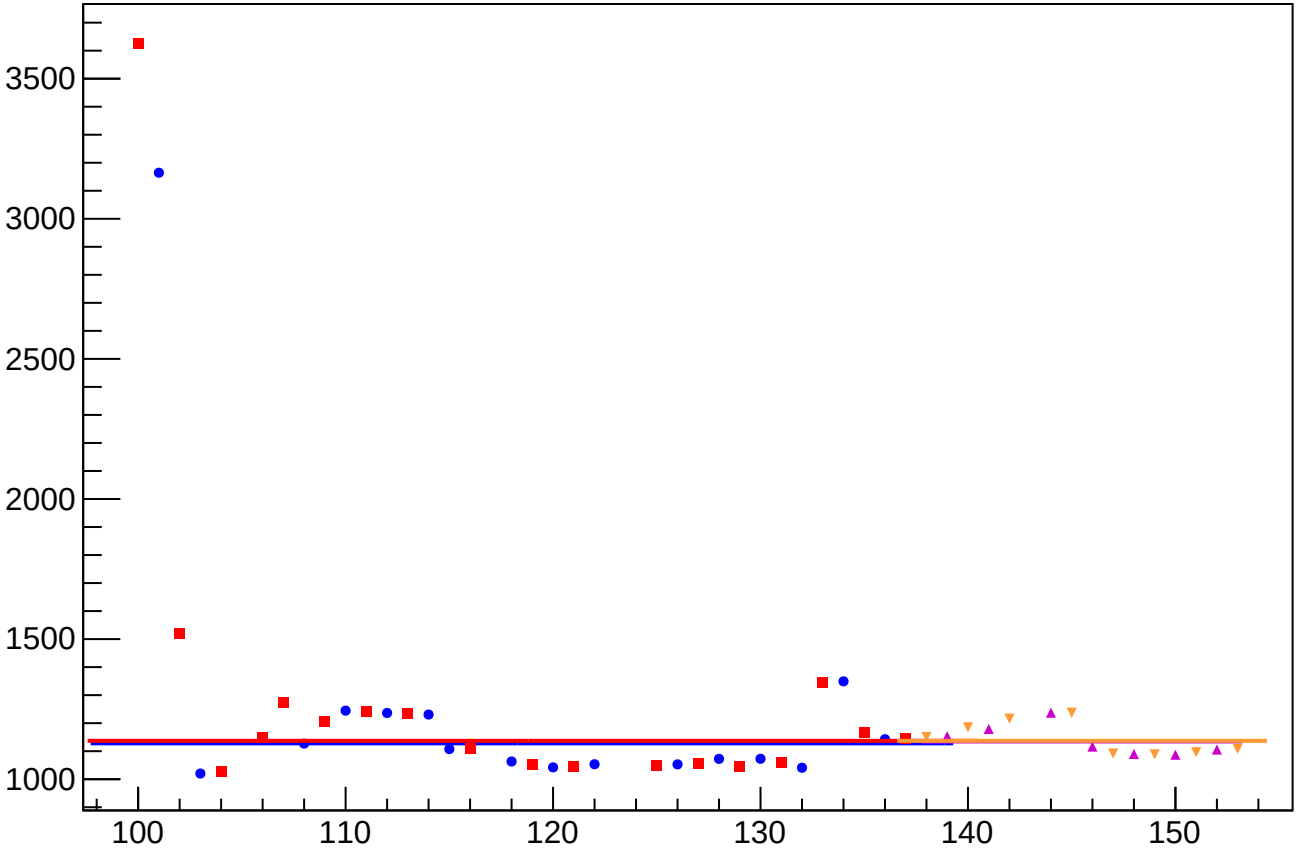
Left In: 945.690+/-458.403 χ^2/NDF:5.6/6

+ sign 128.744+/-312.752 χ^2/NDF: 30.6/23

All: 265.522+/-221.558 χ^2/NDF: 59.9/48

- sign 403.317+/-313.911 χ^2/NDF: 28.9/24

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1136.962+/-0.323 χ^2/NDF:26960.5/7

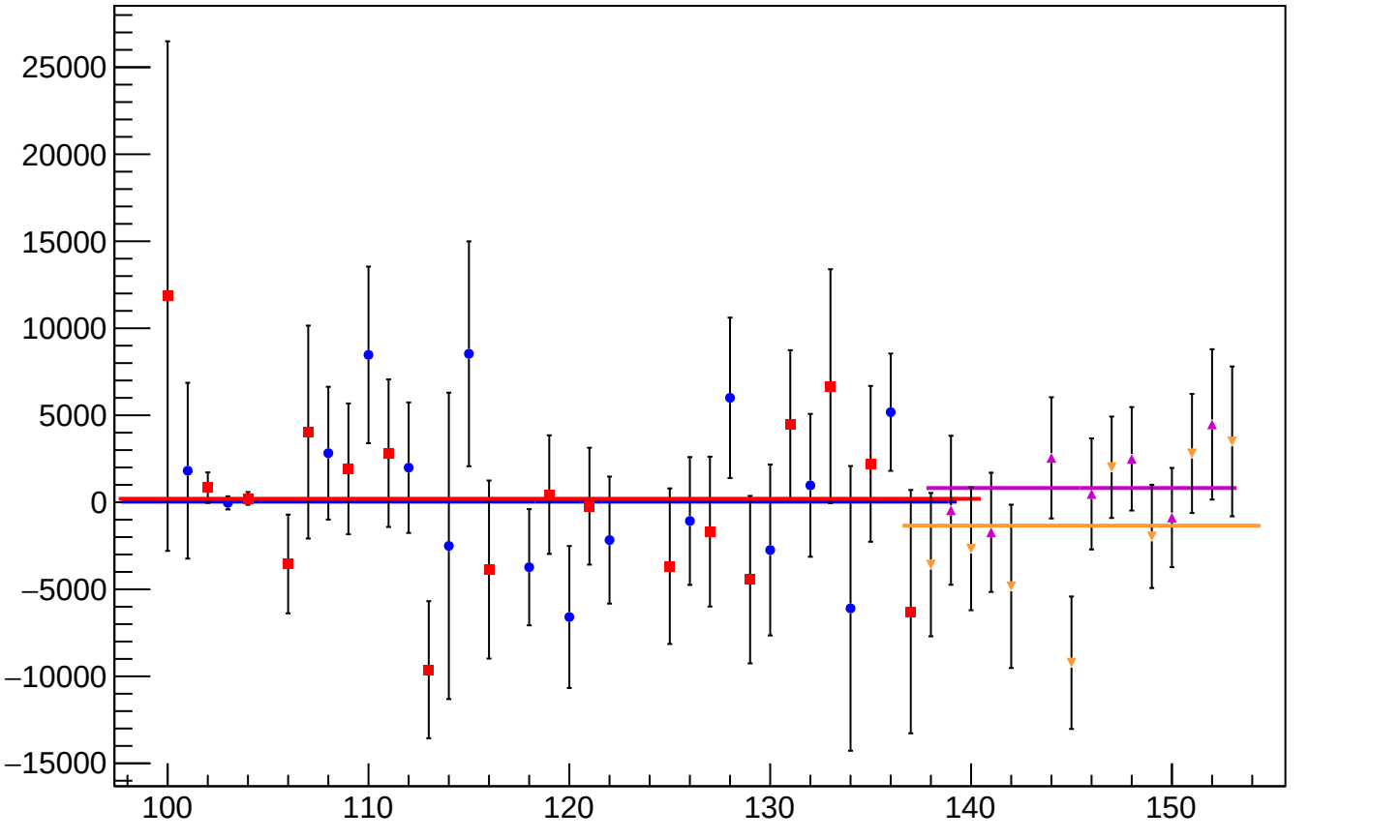
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1134.624+/-0.324 χ^2/NDF:23257.8/6

+ sign 1132.206+/-0.221 χ^2/NDF: 648763.4/23

All: 1134.053+/-0.157 χ^2/NDF: 892276.7/48

- sign 1135.910+/-0.222 χ^2/NDF: 243373.5/24



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -1342.137+/-1265.743 χ^2/NDF:9.4/7

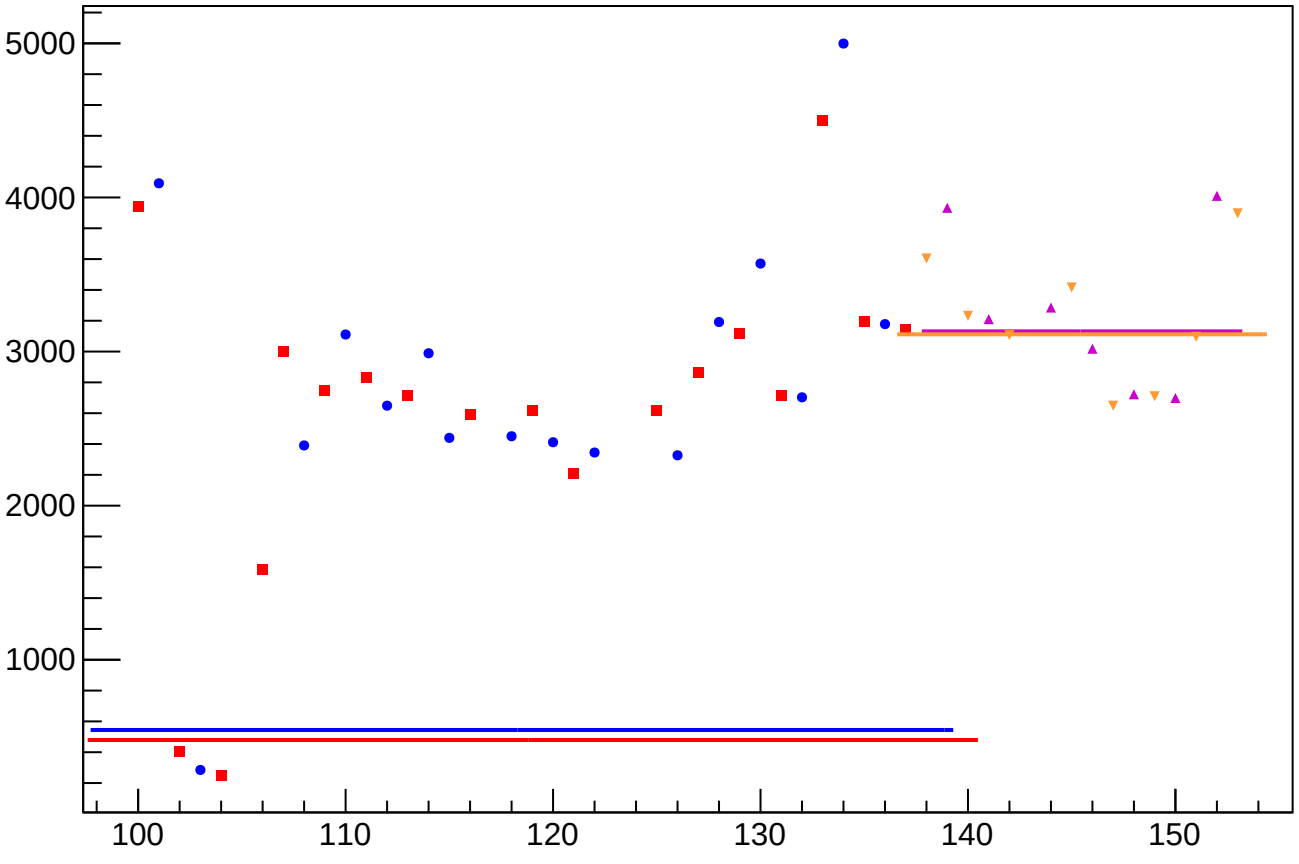
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 820.653+/-1280.323 χ^2/NDF:2.3/6

+ sign -63.767+/-344.175 χ^2/NDF: 25.3/23

All: 101.828+/-231.471 χ^2/NDF: 43.9/48

- sign 238.583+/-312.772 χ^2/NDF: 18.1/24



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3111.899+/-0.895 χ^2/NDF:197428.0/7

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

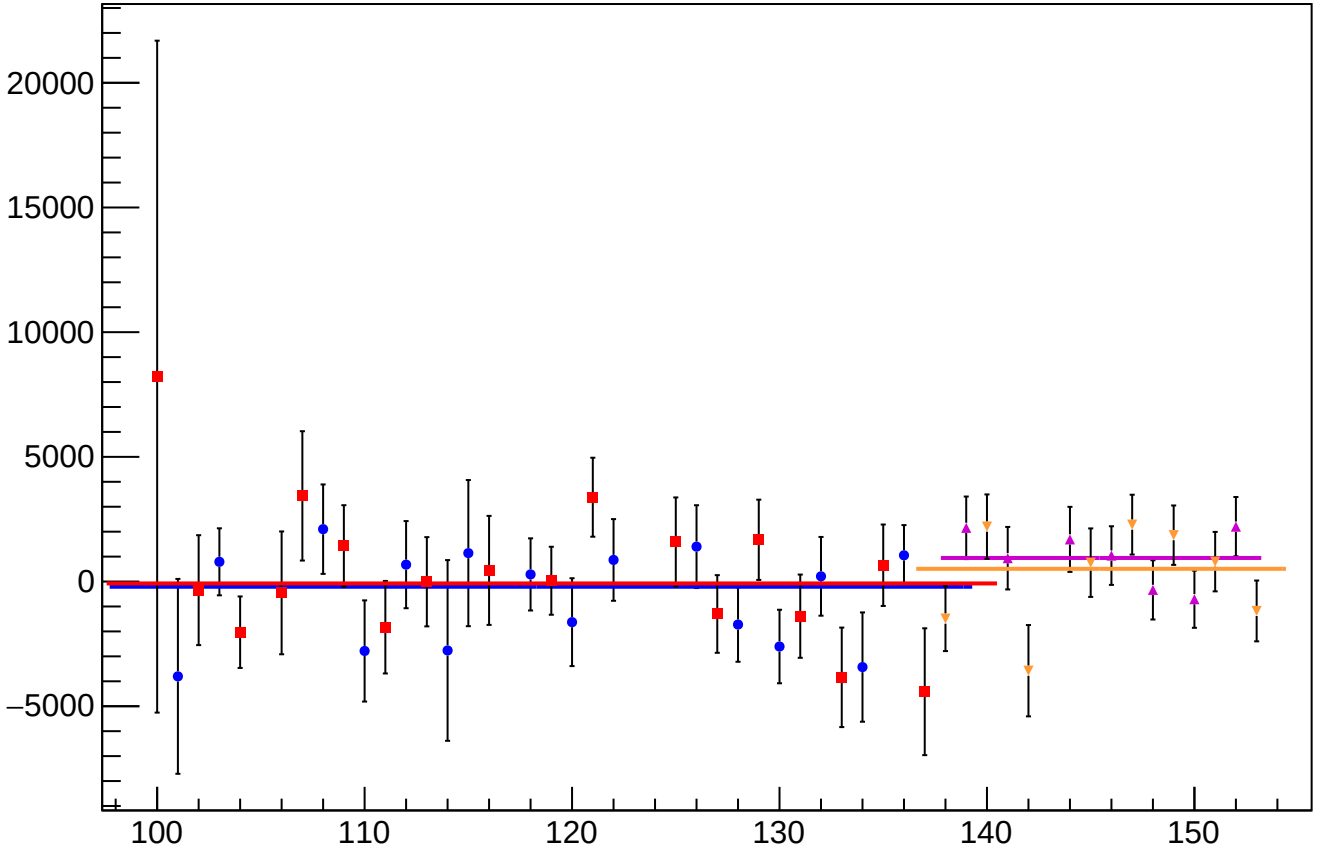
Left In: 3131.082+/-0.905 χ^2/NDF:244248.9/6

+ sign 734.177+/-0.243 χ^2/NDF: 17501566.4/23

All: 681.233+/-0.164 χ^2/NDF: 35088066.6/48

- sign 637.510+/-0.221 χ^2/NDF: 17500090.1/24

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 510.600+/-456.728 χ^2/NDF:14.5/7

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

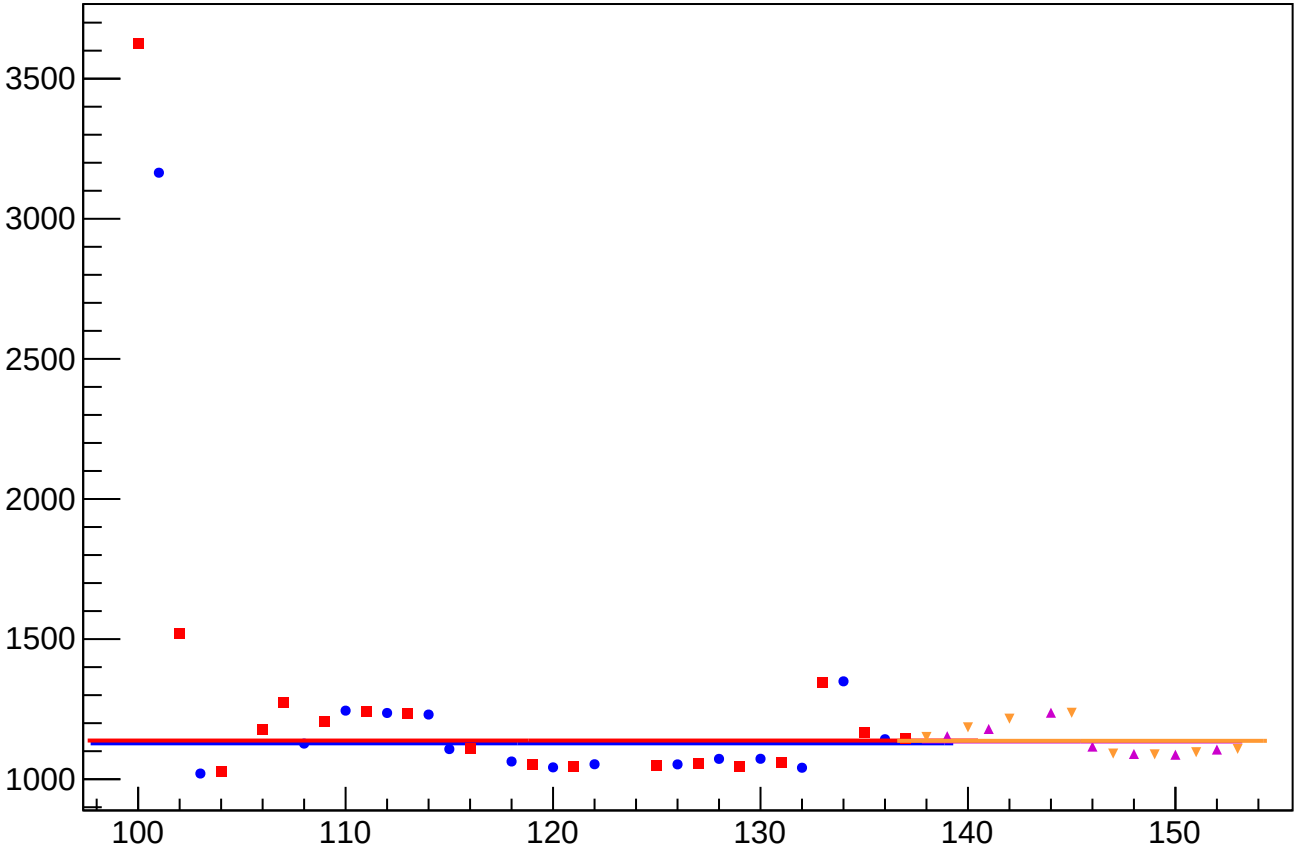
Left In: 945.794+/-458.403 χ^2/NDF:5.6/6

+ sign 128.897+/-312.752 χ^2/NDF: 30.6/23

All: 265.585+/-221.558 χ^2/NDF: 59.9/48

- sign 403.289+/-313.911 χ^2/NDF: 28.9/24

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1136.962+/-0.323 χ^2/NDF:26960.5/7

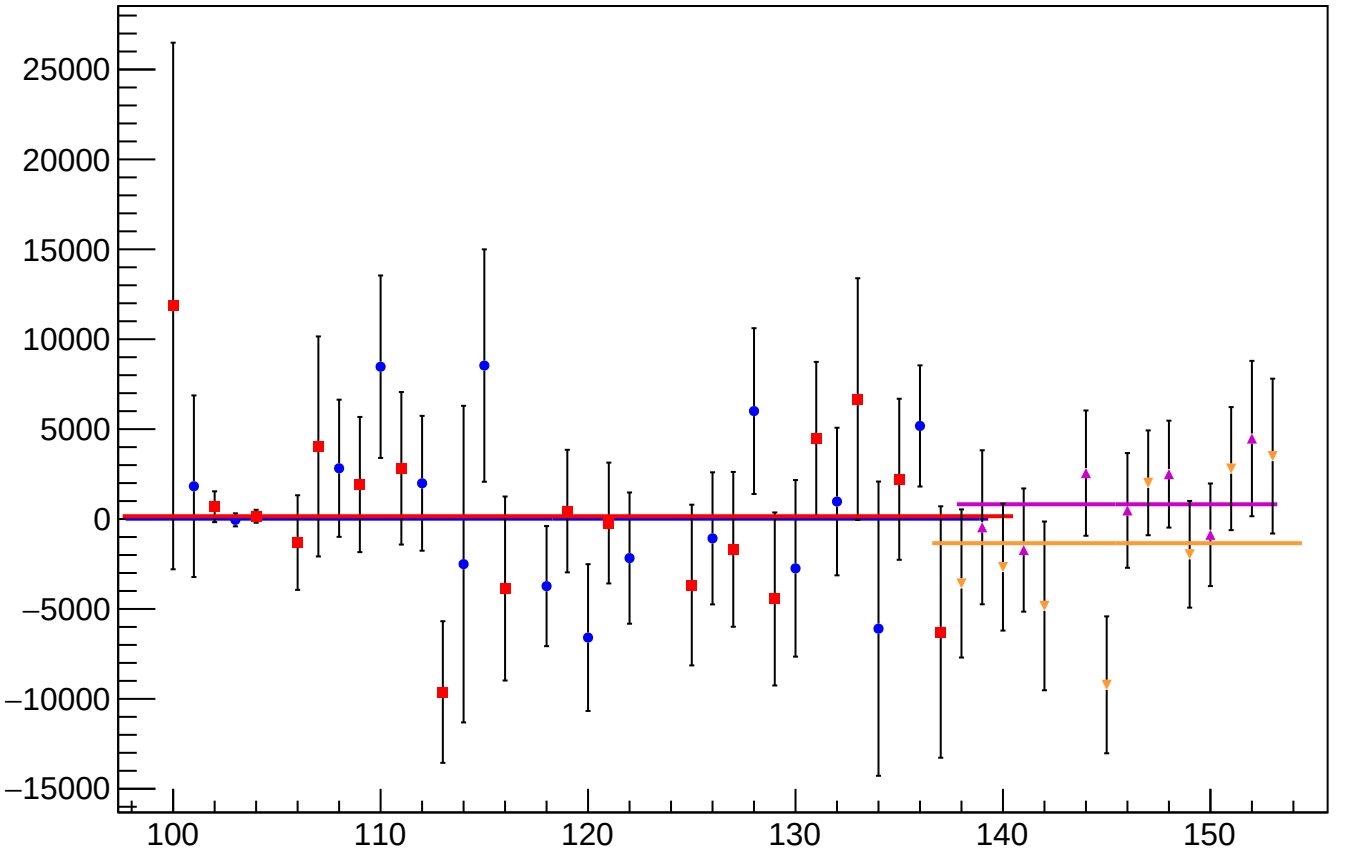
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1134.624+/-0.324 χ^2/NDF:23257.8/6

+ sign 1132.206+/-0.221 χ^2/NDF: 648764.5/23

All: 1134.305+/-0.157 χ^2/NDF: 892885.1/48

- sign 1136.418+/-0.222 χ^2/NDF: 243939.9/24



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -1342.044+/-1265.741 χ^2/NDF:9.4/7

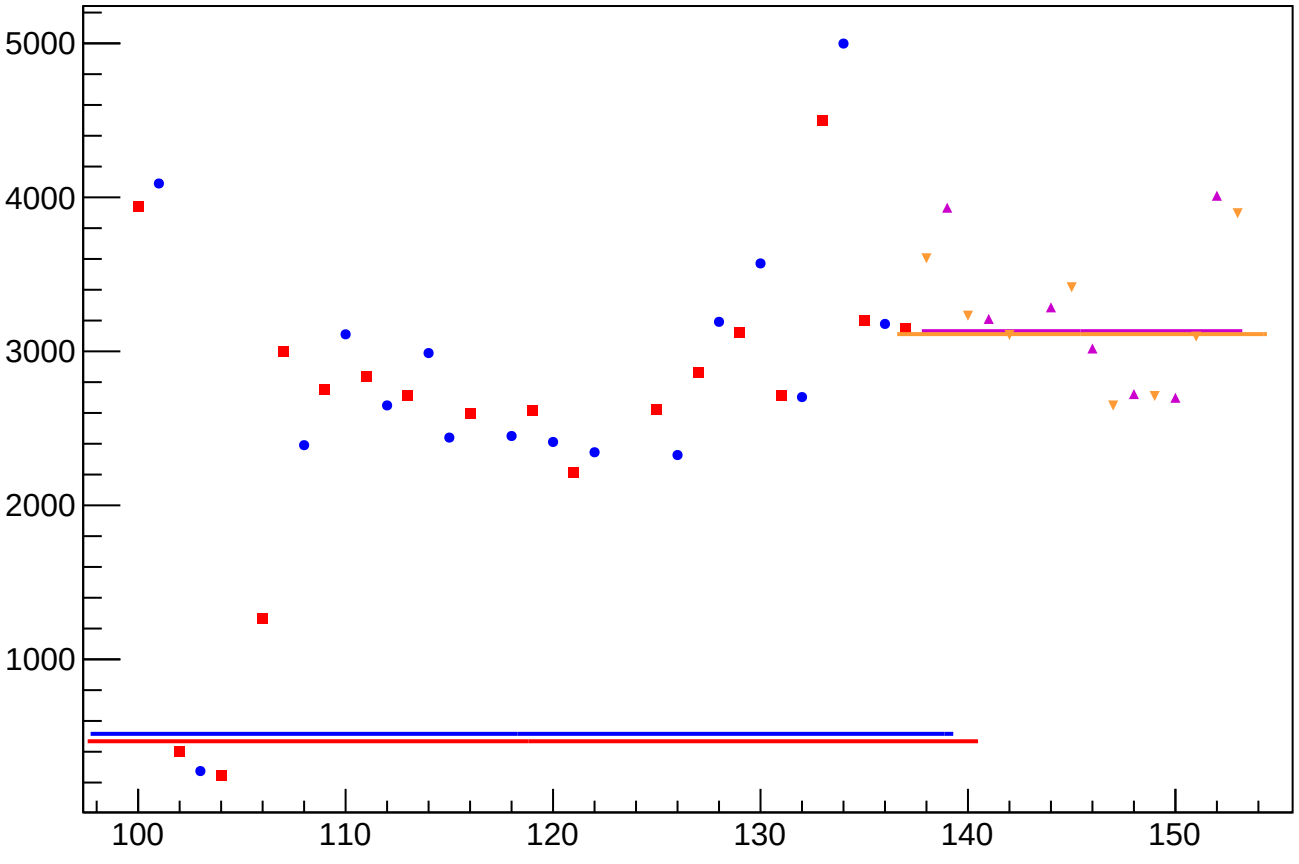
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 820.637+/-1280.323 χ^2/NDF:2.3/6

+ sign -72.420+/-332.431 χ^2/NDF: 25.3/23

All: 71.292+/-225.950 χ^2/NDF: 42.2/48

- sign 194.692+/-308.044 χ^2/NDF: 16.5/24



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3111.897+/-0.895 χ^2/NDF:197427.0/7

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

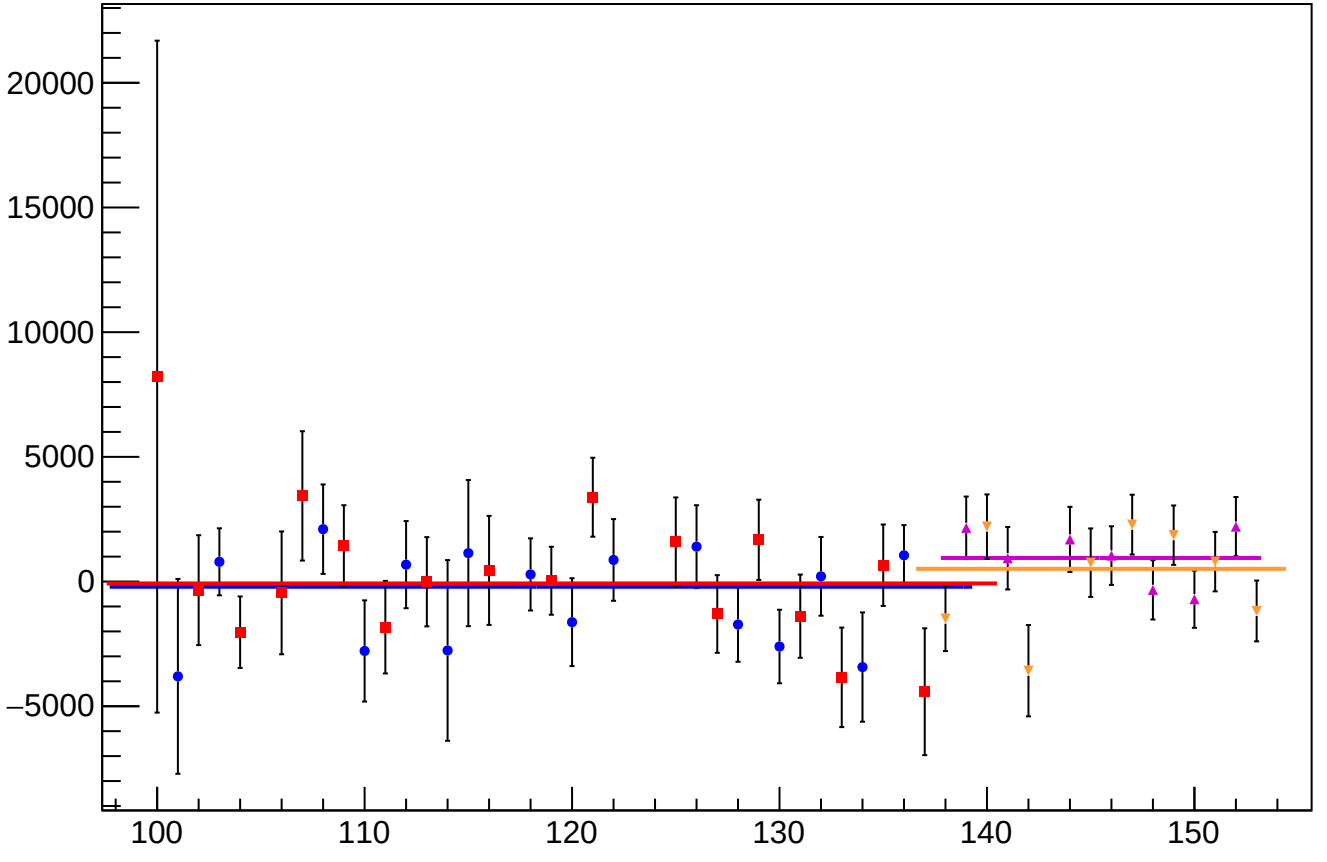
Left In: 3131.081+/-0.905 χ^2/NDF:244249.8/6

+ sign 695.337+/-0.235 χ^2/NDF: 17862342.0/23

All: 655.996+/-0.160 χ^2/NDF: 35421471.3/48

- sign 622.216+/-0.218 χ^2/NDF: 17507069.3/24

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 510.600+/-456.728 χ^2/NDF:14.5/7

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

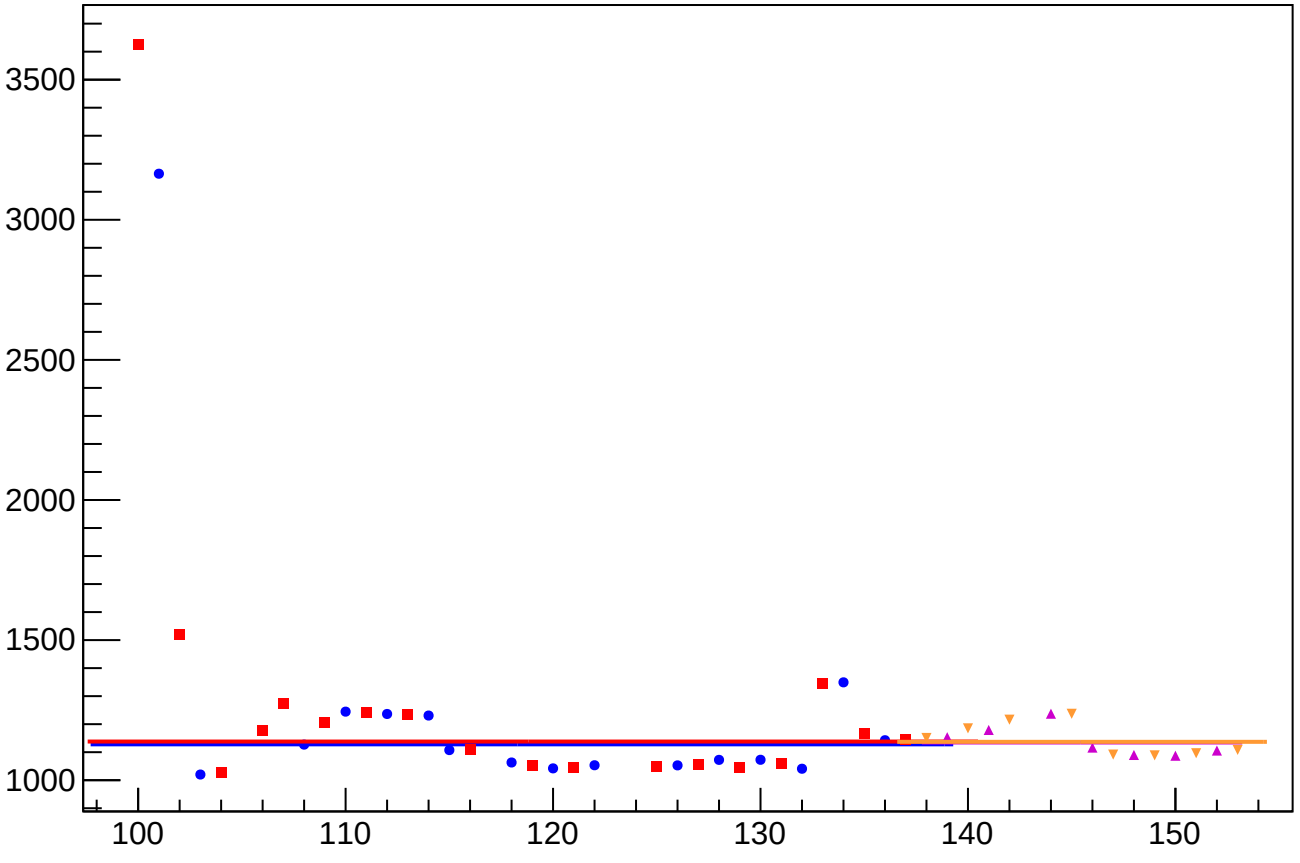
Left In: 945.794+/-458.403 χ^2/NDF:5.6/6

+ sign 128.897+/-312.752 χ^2/NDF: 30.6/23

All: 265.585+/-221.558 χ^2/NDF: 59.9/48

- sign 403.289+/-313.911 χ^2/NDF: 28.9/24

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1136.962+/-0.323 χ^2/NDF:26960.5/7

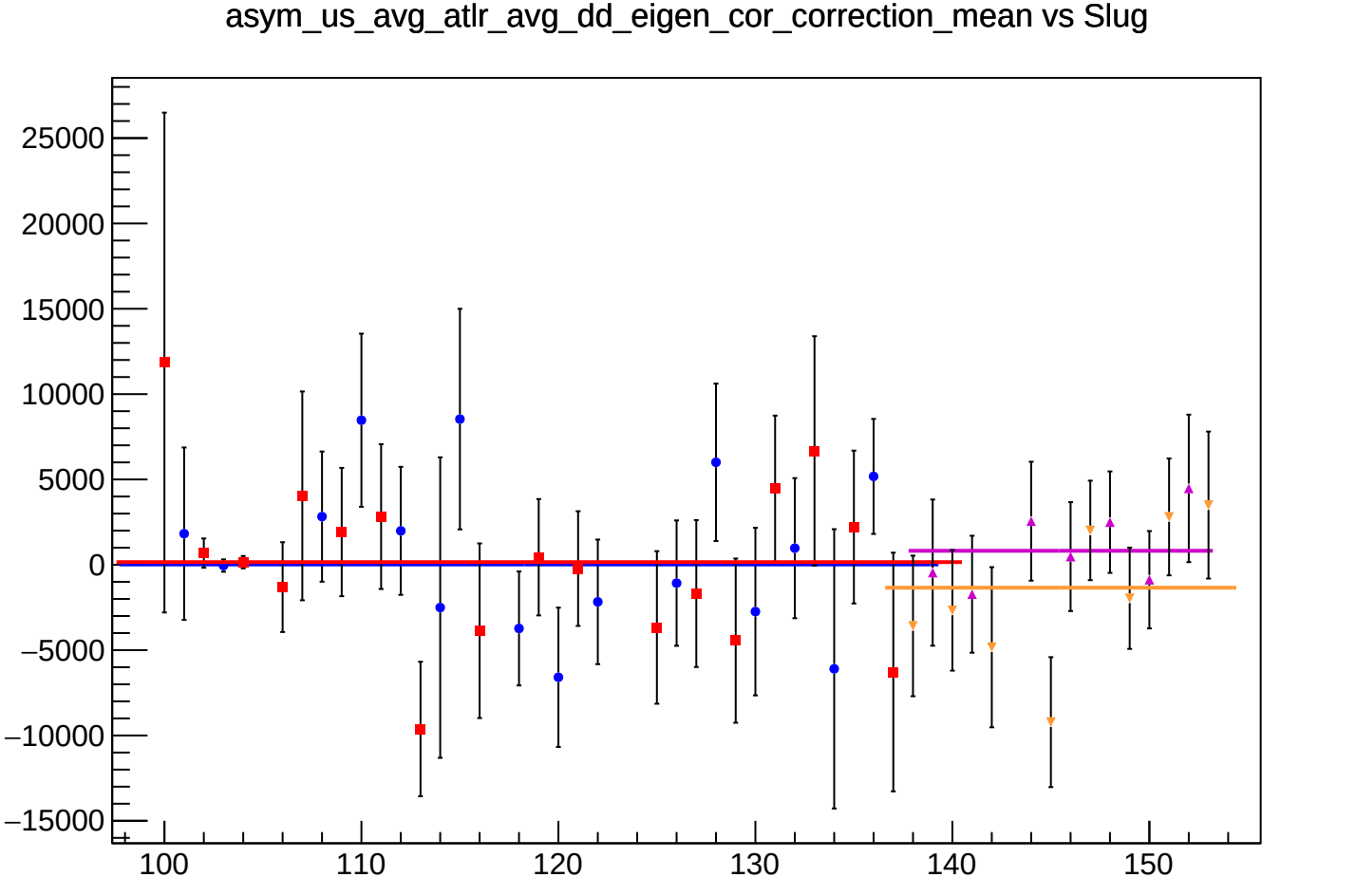
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1134.624+/-0.324 χ^2/NDF:23257.8/6

+ sign 1132.206+/-0.221 χ^2/NDF: 648764.5/23

All: 1134.305+/-0.157 χ^2/NDF: 892885.1/48

- sign 1136.418+/-0.222 χ^2/NDF: 243939.9/24



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -1342.044+/-1265.741 χ^2/NDF:9.4/7

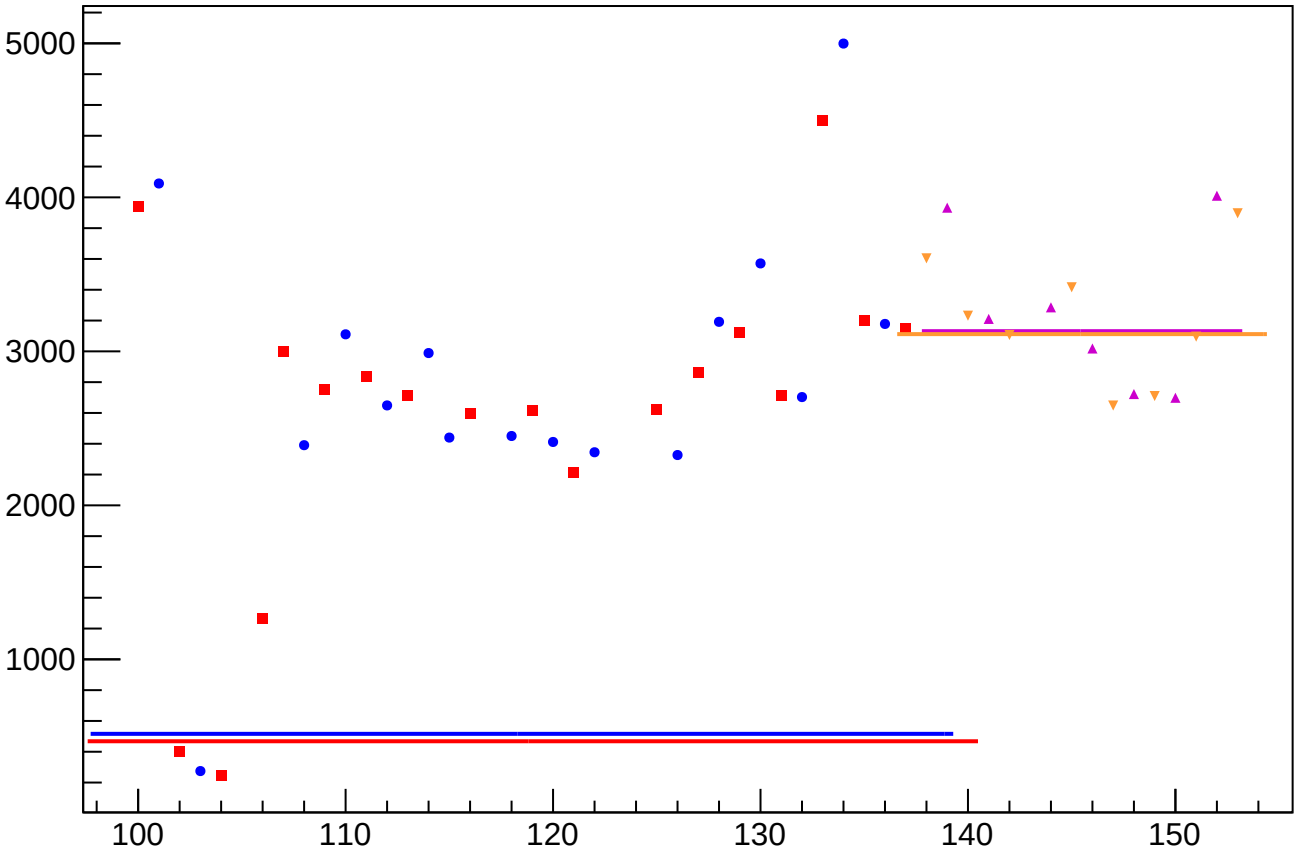
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 820.637+/-1280.323 χ^2/NDF:2.3/6

\+ sign -72.420+/-332.431 χ^2/NDF: 25.3/23

All: 71.292+/-225.950 χ^2/NDF: 42.2/48

\- sign 194.692+/-308.044 χ^2/NDF: 16.5/24



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3111.897+/-0.895 χ^2/NDF:197427.0/7

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

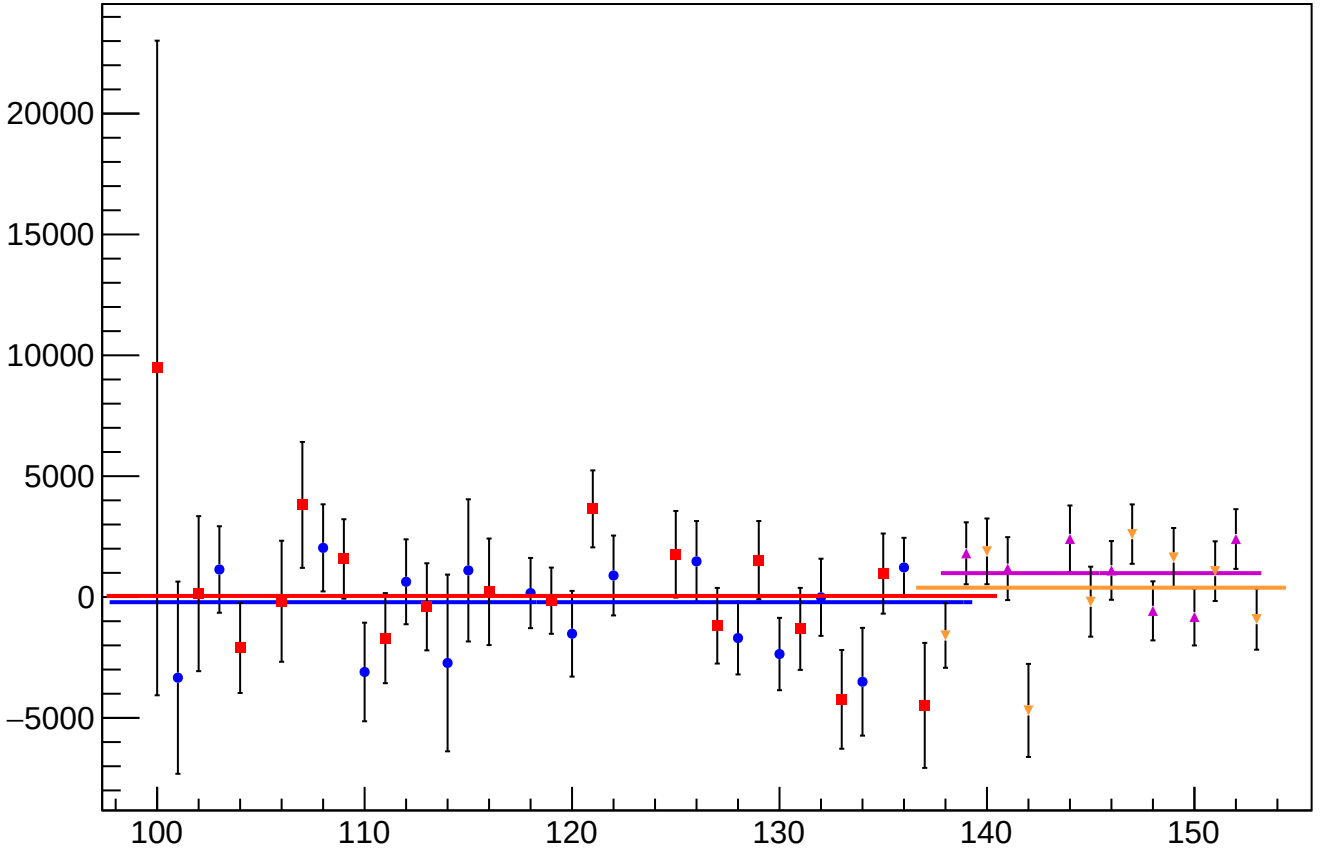
Left In: 3131.081+/-0.905 χ^2/NDF:244249.8/6

+ sign 695.337+/-0.235 χ^2/NDF: 17862342.0/23

All: 655.996+/-0.160 χ^2/NDF: 35421471.3/48

- sign 622.216+/-0.218 χ^2/NDF: 17507069.3/24

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 386.498+/-473.341 χ^2/NDF:16.2/7

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

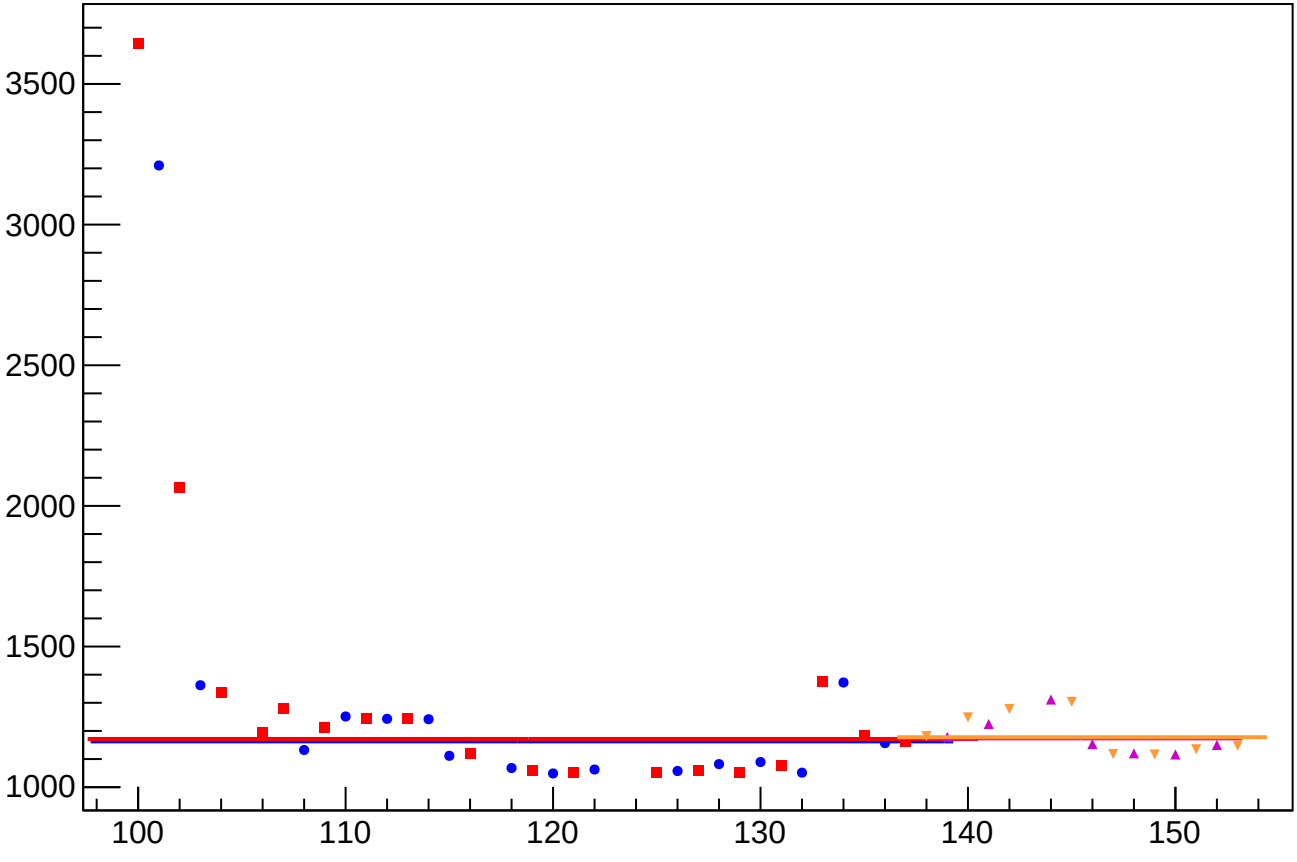
Left In: 988.716+/-474.396 χ^2/NDF:6.8/6

+ sign 66.666+/-323.320 χ^2/NDF: 31.4/23

All: 276.636+/-229.359 χ^2/NDF: 62.8/48

- sign 489.338+/-325.416 χ^2/NDF: 30.5/24

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1177.550+/-0.335 χ^2/NDF:39208.1/7

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

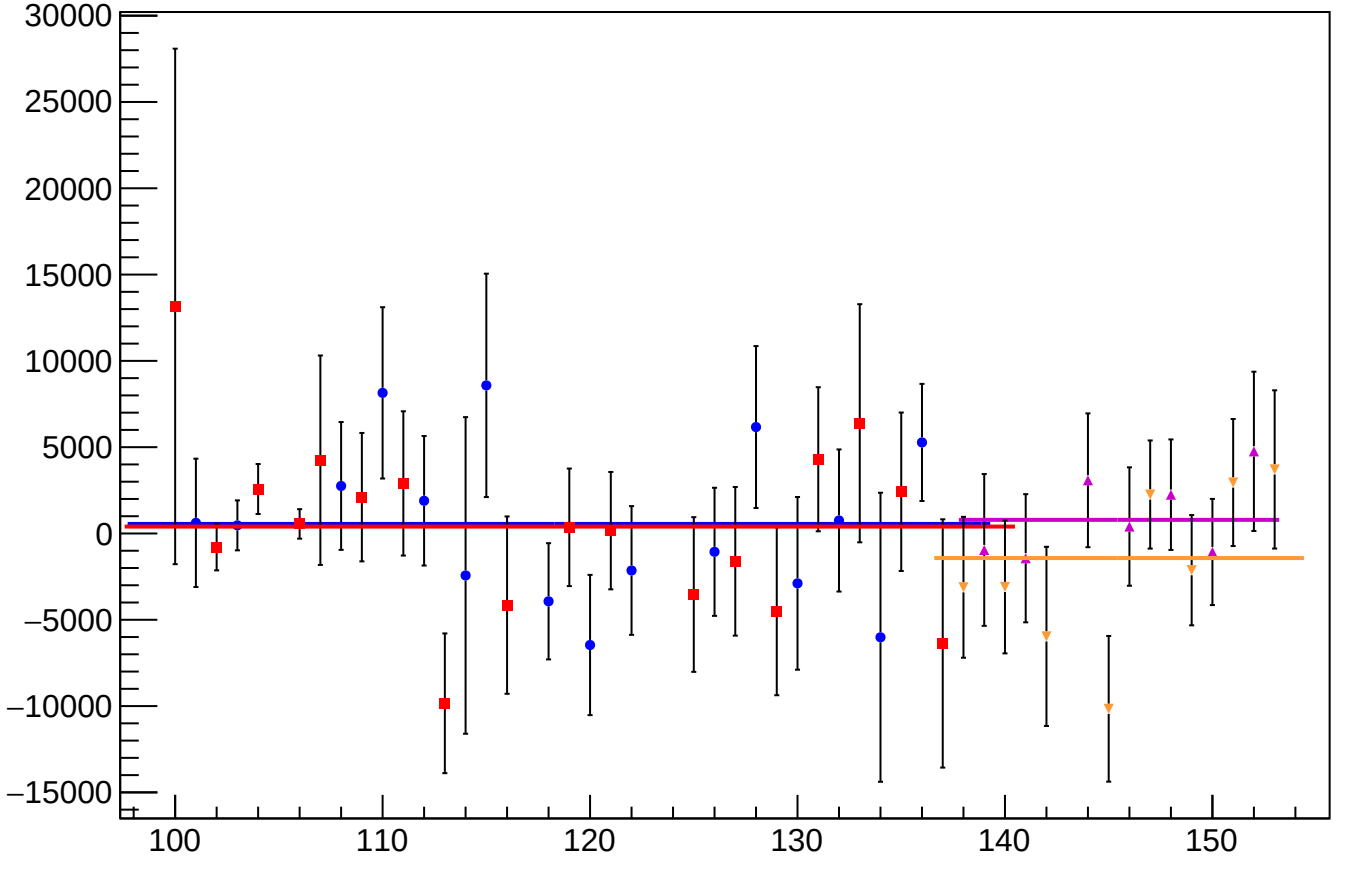
Left In: 1173.598+/-0.335 χ^2/NDF:32858.0/6

+ sign 1169.709+/-0.229 χ^2/NDF: 675590.3/23

All: 1171.069+/-0.162 χ^2/NDF: 1040182.6/48

- sign 1172.445+/-0.230 χ^2/NDF: 364521.2/24

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -1423.845+/-1358.133 χ^2/NDF:9.5/7

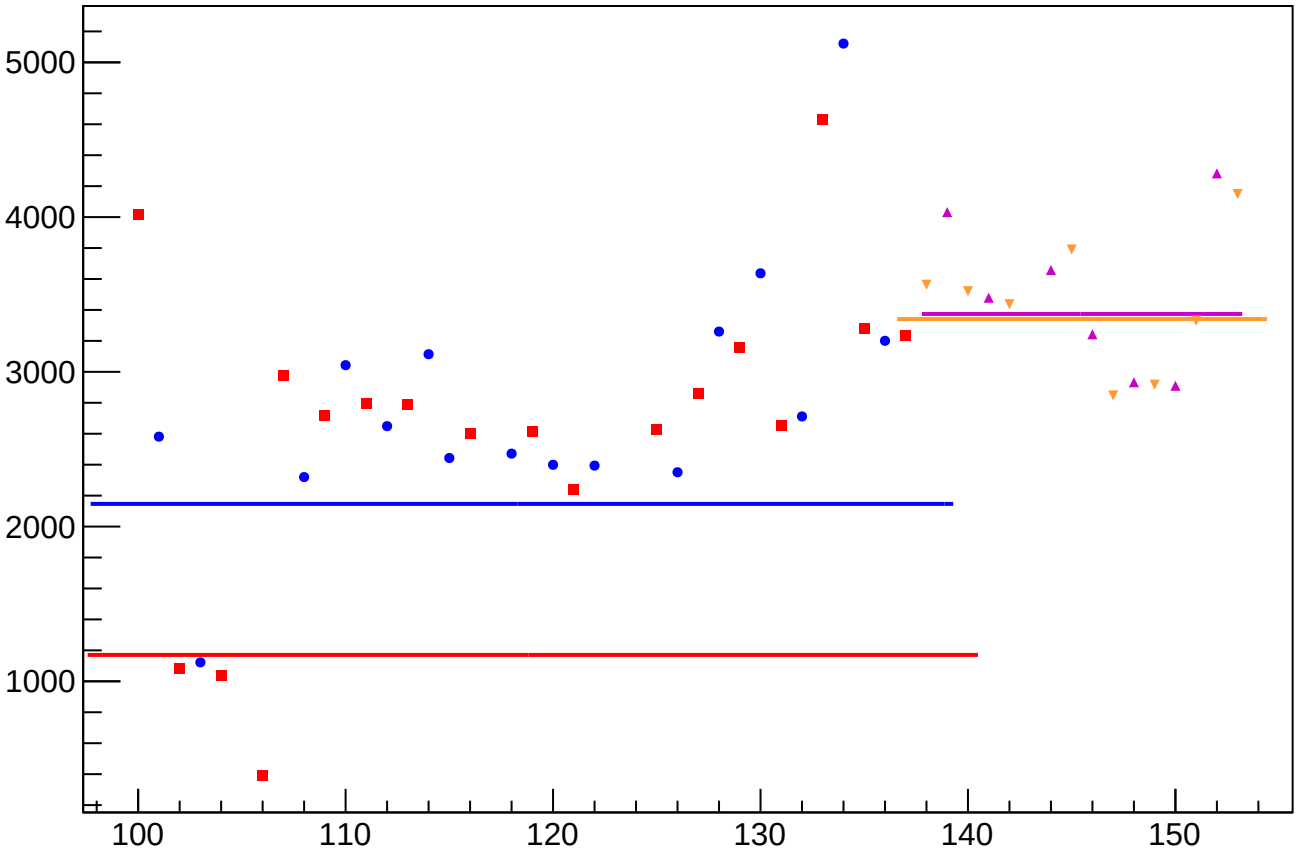
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 789.445+/-1378.800 χ^2/NDF:2.2/6

\+ sign -26.385+/-735.041 χ^2/NDF: 25.4/23

All: 294.000+/-426.408 χ^2/NDF: 44.6/48

\- sign 456.510+/-523.498 χ^2/NDF: 18.9/24



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3341.062+/-0.960 χ^2/NDF:180667.2/7

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

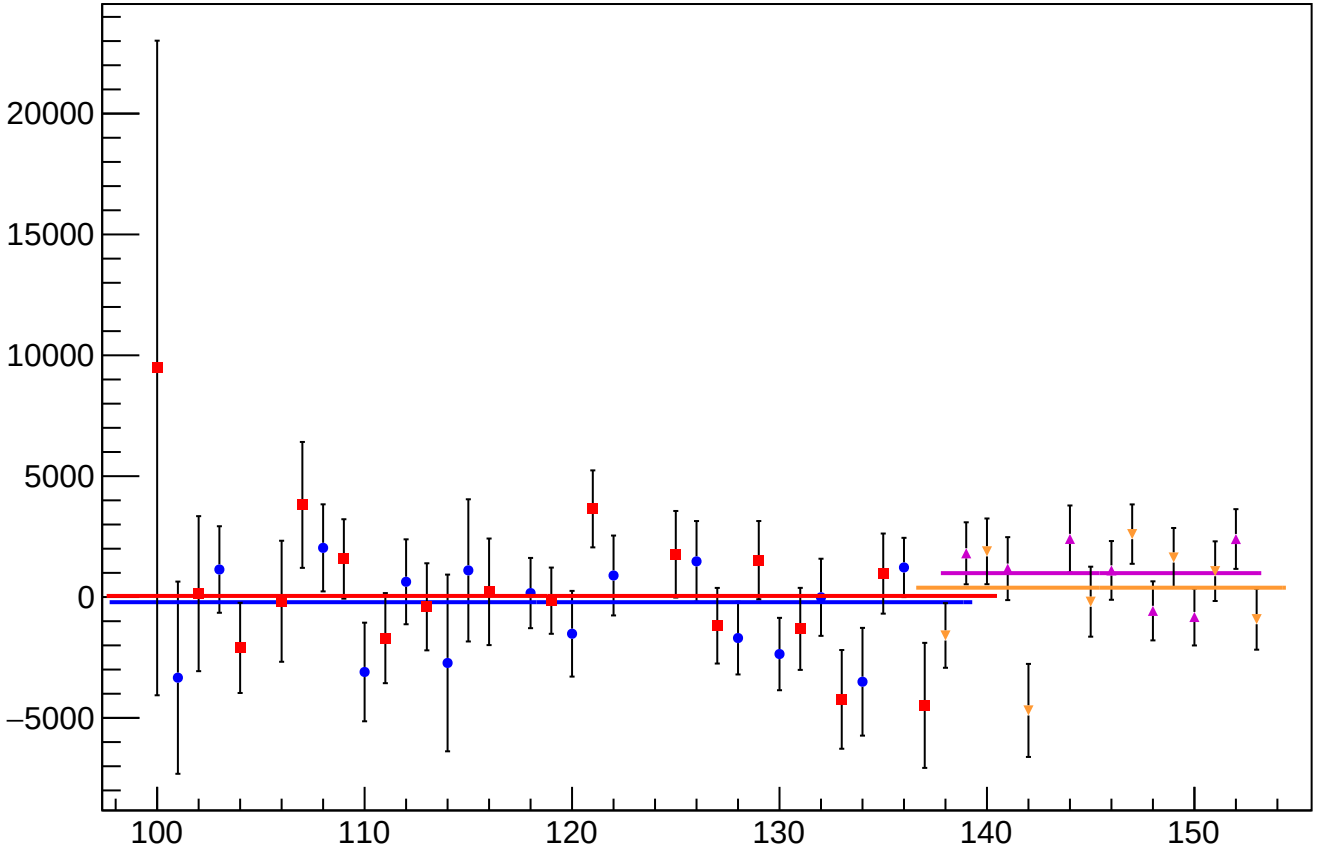
Left In: 3374.052+/-0.975 χ^2/NDF:221189.8/6

+ sign 2496.485+/-0.520 χ^2/NDF: 3249224.7/23

All: 1827.530+/-0.302 χ^2/NDF: 16156279.1/4

- sign 1488.214+/-0.370 χ^2/NDF: 10410271.1/24

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 386.493+/-473.341 χ^2/NDF:16.2/7

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

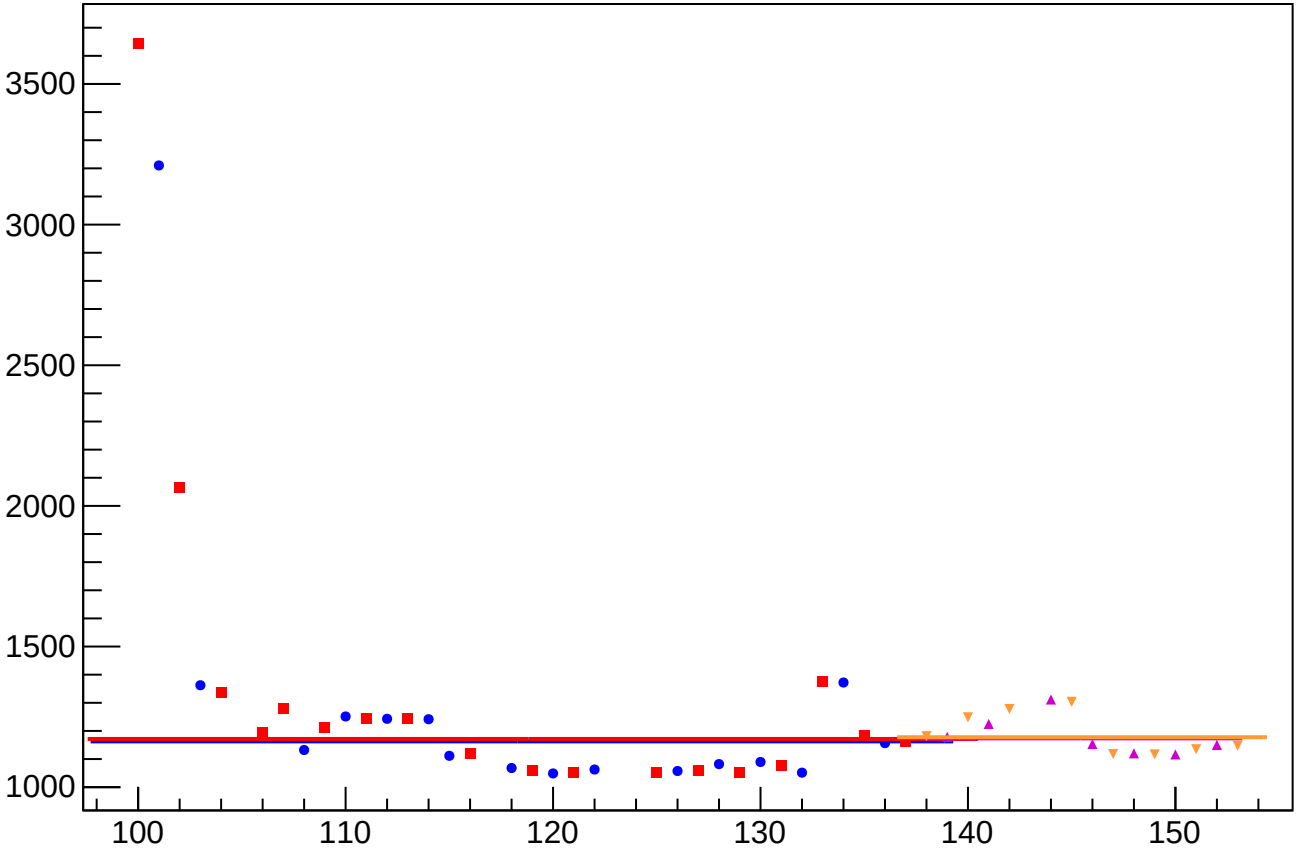
Left In: 988.713+/-474.397 χ^2/NDF:6.8/6

+ sign 66.662+/-323.320 χ^2/NDF: 31.4/23

All: 276.634+/-229.359 χ^2/NDF: 62.8/48

- sign 489.338+/-325.416 χ^2/NDF: 30.5/24

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1177.551+/-0.335 χ^2/NDF:39208.6/7

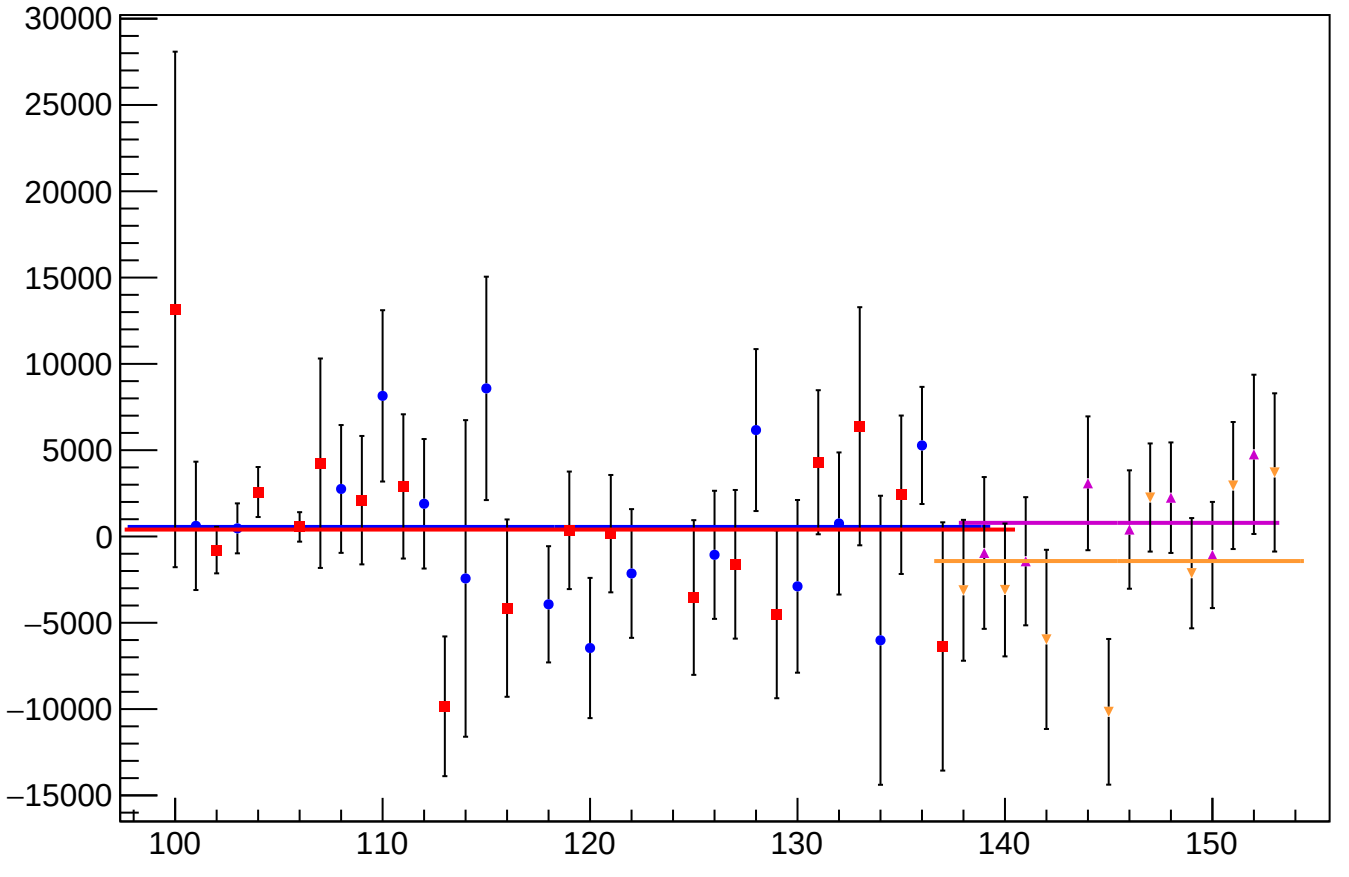
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1173.599+/-0.335 χ^2/NDF:32858.2/6

+ sign 1169.710+/-0.229 χ^2/NDF: 675591.0/23

All: 1171.069+/-0.162 χ^2/NDF: 1040183.1/48

- sign 1172.445+/-0.230 χ^2/NDF: 364521.0/24



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -1423.848+/-1358.134 χ^2/NDF:9.5/7

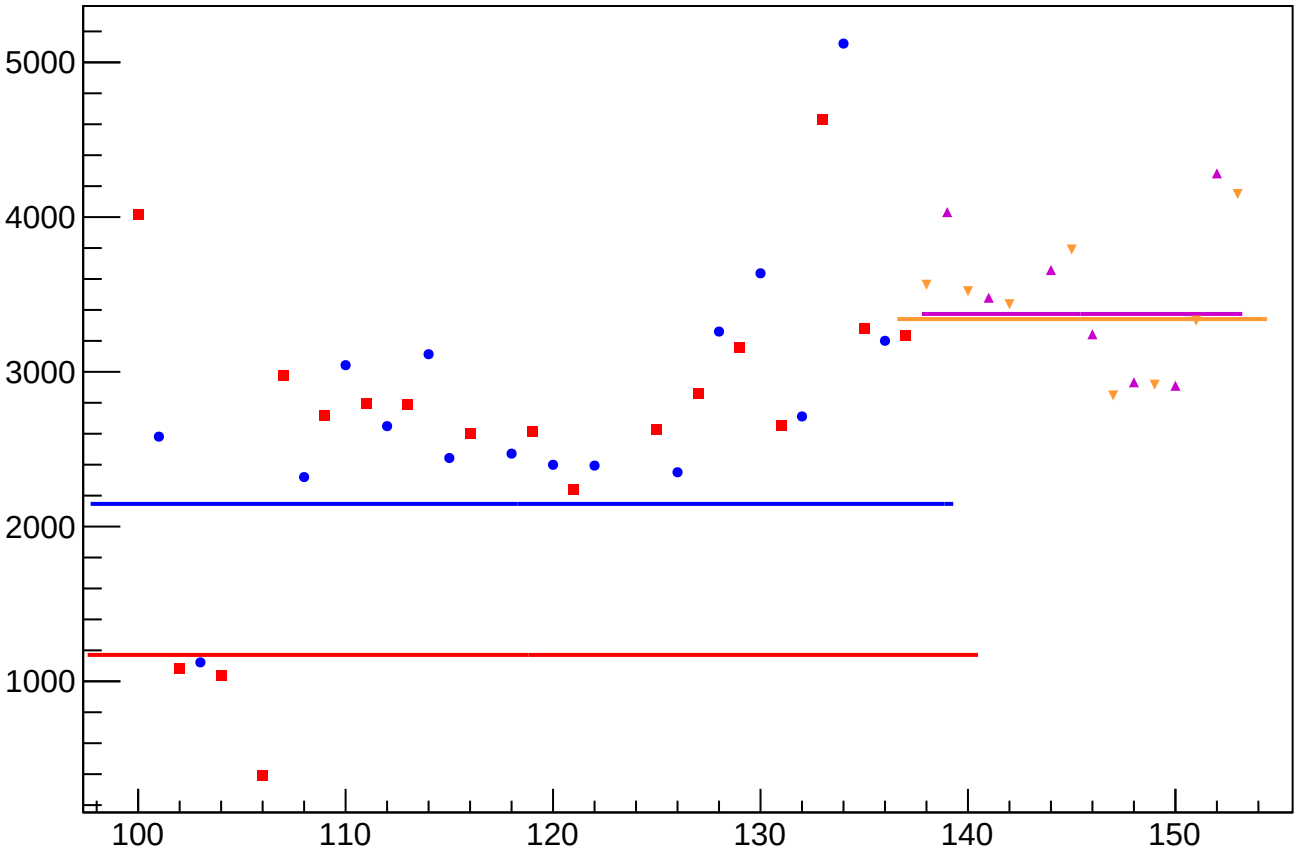
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 789.442+/-1378.801 χ^2/NDF:2.2/6

+ sign -26.388+/-735.040 χ^2/NDF: 25.4/23

All: 294.001+/-426.405 χ^2/NDF: 44.6/48

- sign 456.509+/-523.493 χ^2/NDF: 18.9/24



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3341.065+/-0.960 χ^2/NDF:180668.0/7

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

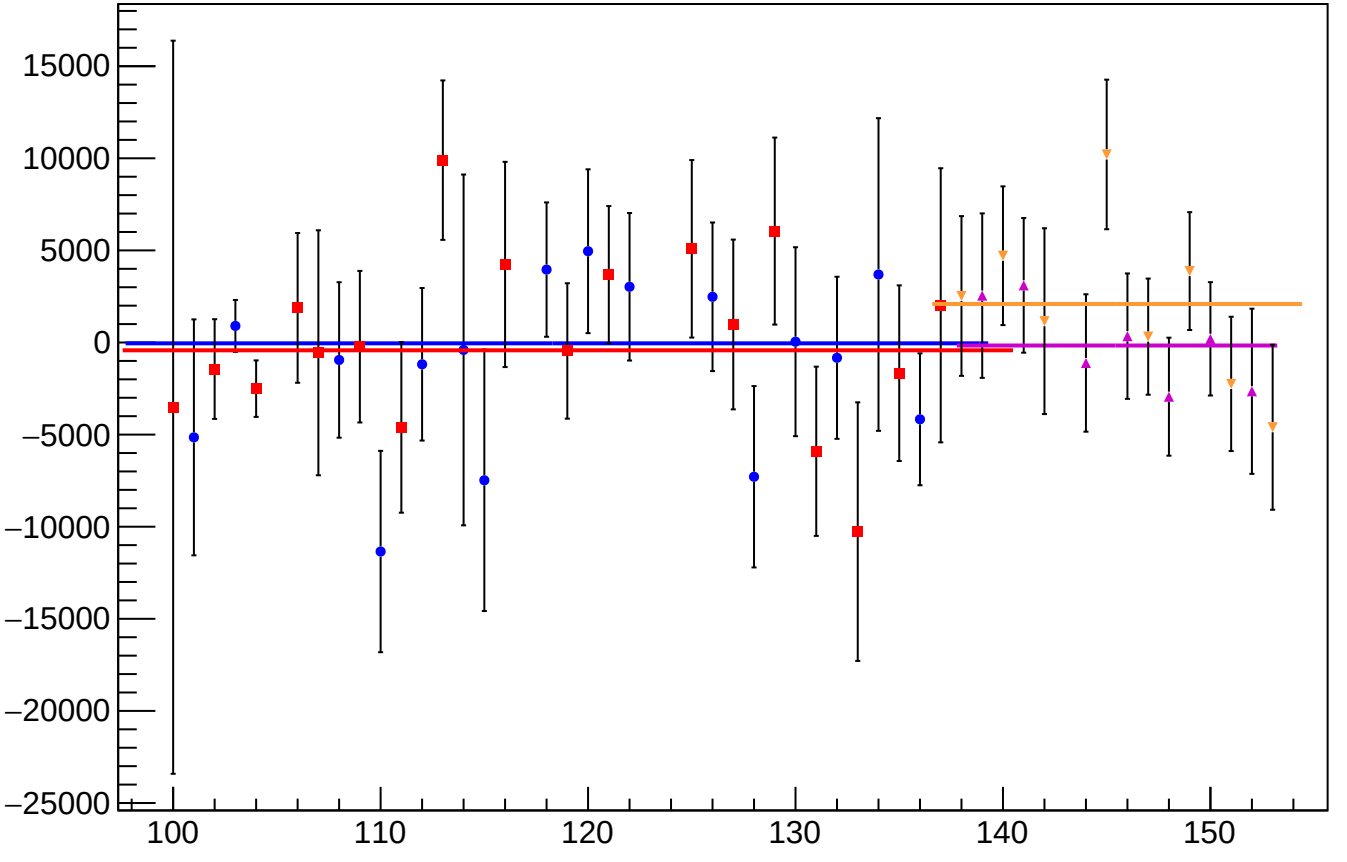
Left In: 3374.056+/-0.975 χ^2/NDF:221190.5/6

+ sign 2496.482+/-0.520 χ^2/NDF: 3249232.6/23

All: 1827.507+/-0.302 χ^2/NDF: 16156665.6/4

- sign 1488.188+/-0.370 χ^2/NDF: 10410511.4/24

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 2091.202+/-1351.984 χ^2/NDF:8.8/7

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

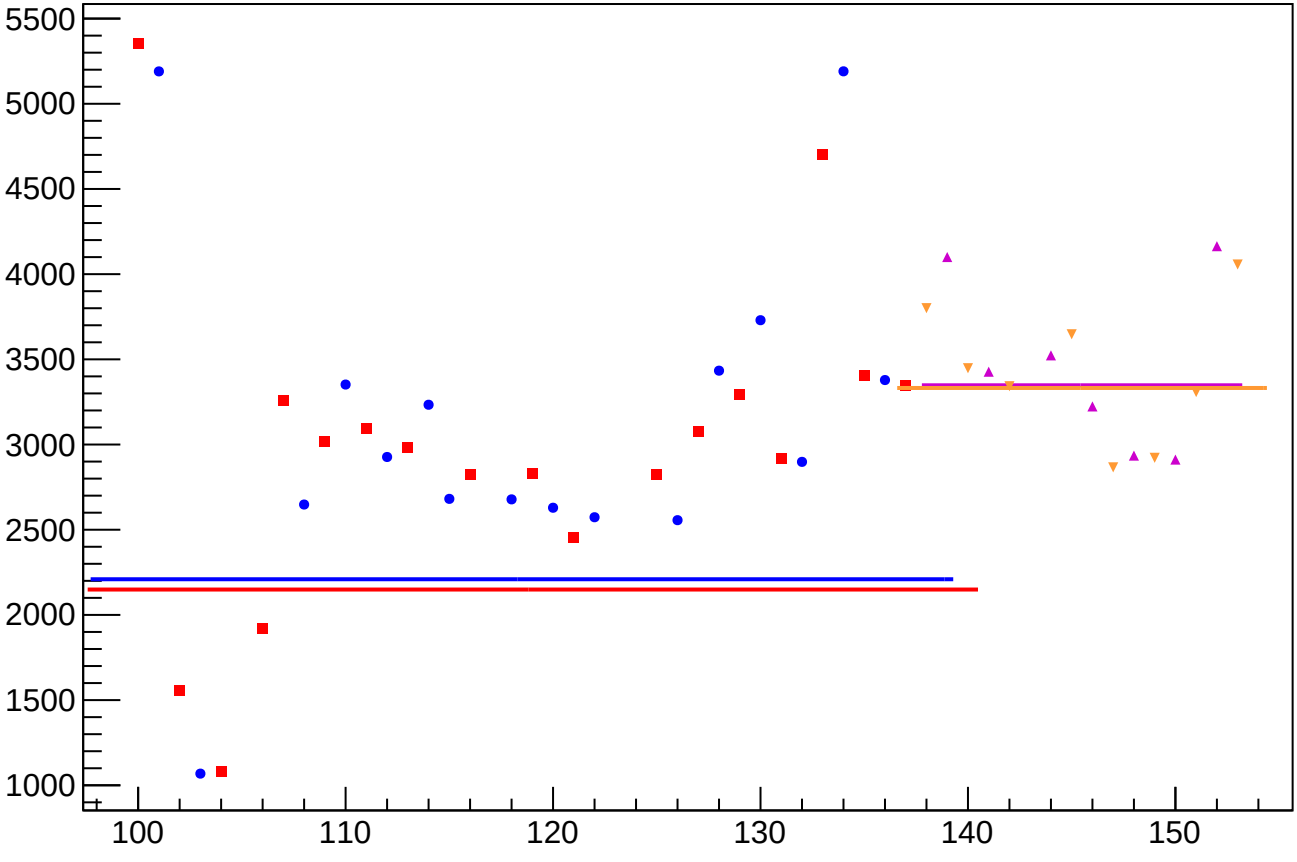
Left In: -163.447+/-1365.784 χ^2/NDF:2.3/6

+ sign 631.931+/-761.018 χ^2/NDF: 24.3/23

All: 136.009+/-534.039 χ^2/NDF: 44.8/48

- sign -345.148+/-749.603 χ^2/NDF: 19.7/24

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3331.948+/-0.956 χ^2/NDF:166241.2/7

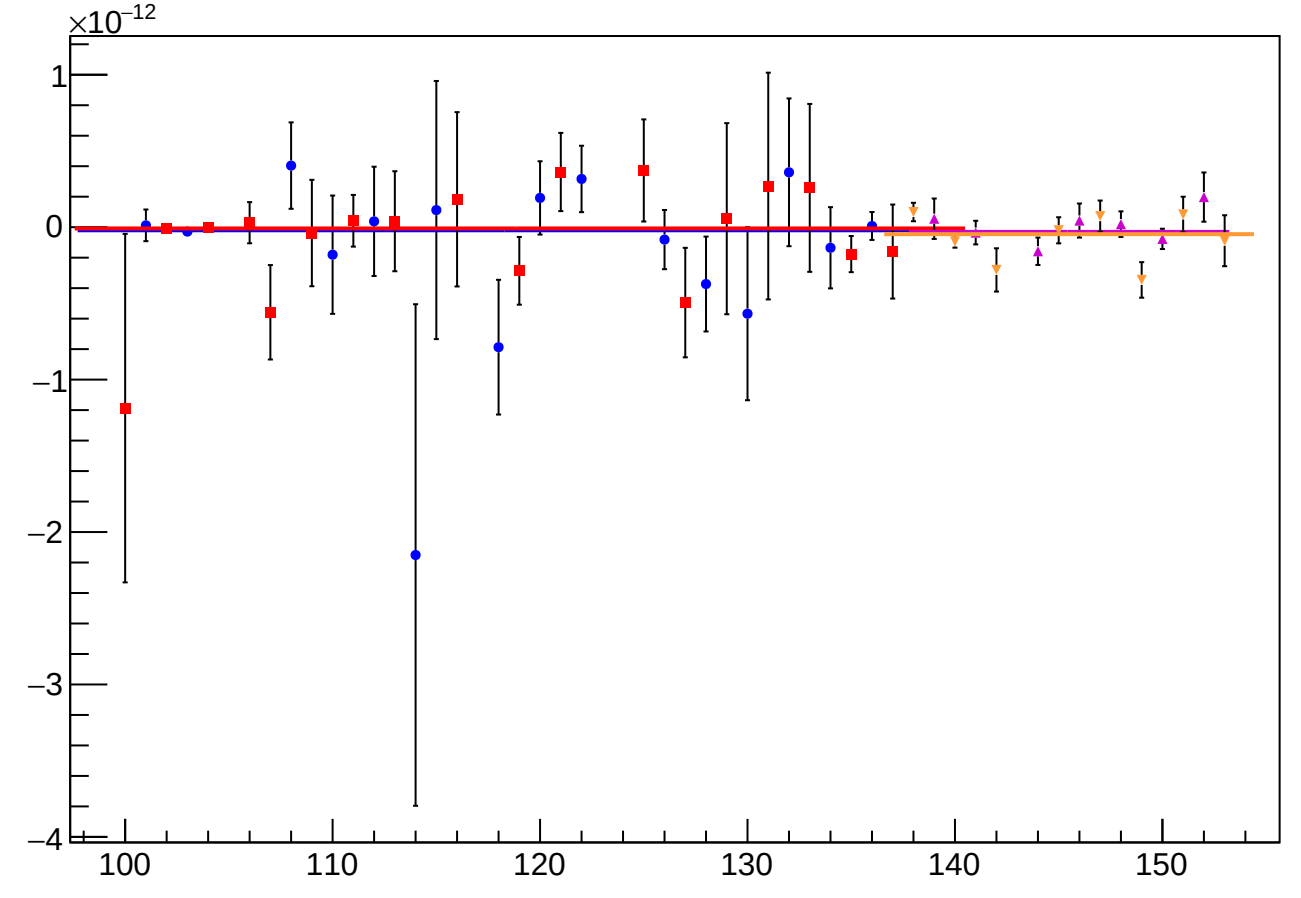
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3347.713+/-0.966 χ^2/NDF:204606.0/6

+ sign 2565.037+/-0.538 χ^2/NDF: 3945127.5/23

All: 2536.470+/-0.377 χ^2/NDF: 7503123.6/48

- sign 2508.845+/-0.529 χ^2/NDF: 3552452.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/7

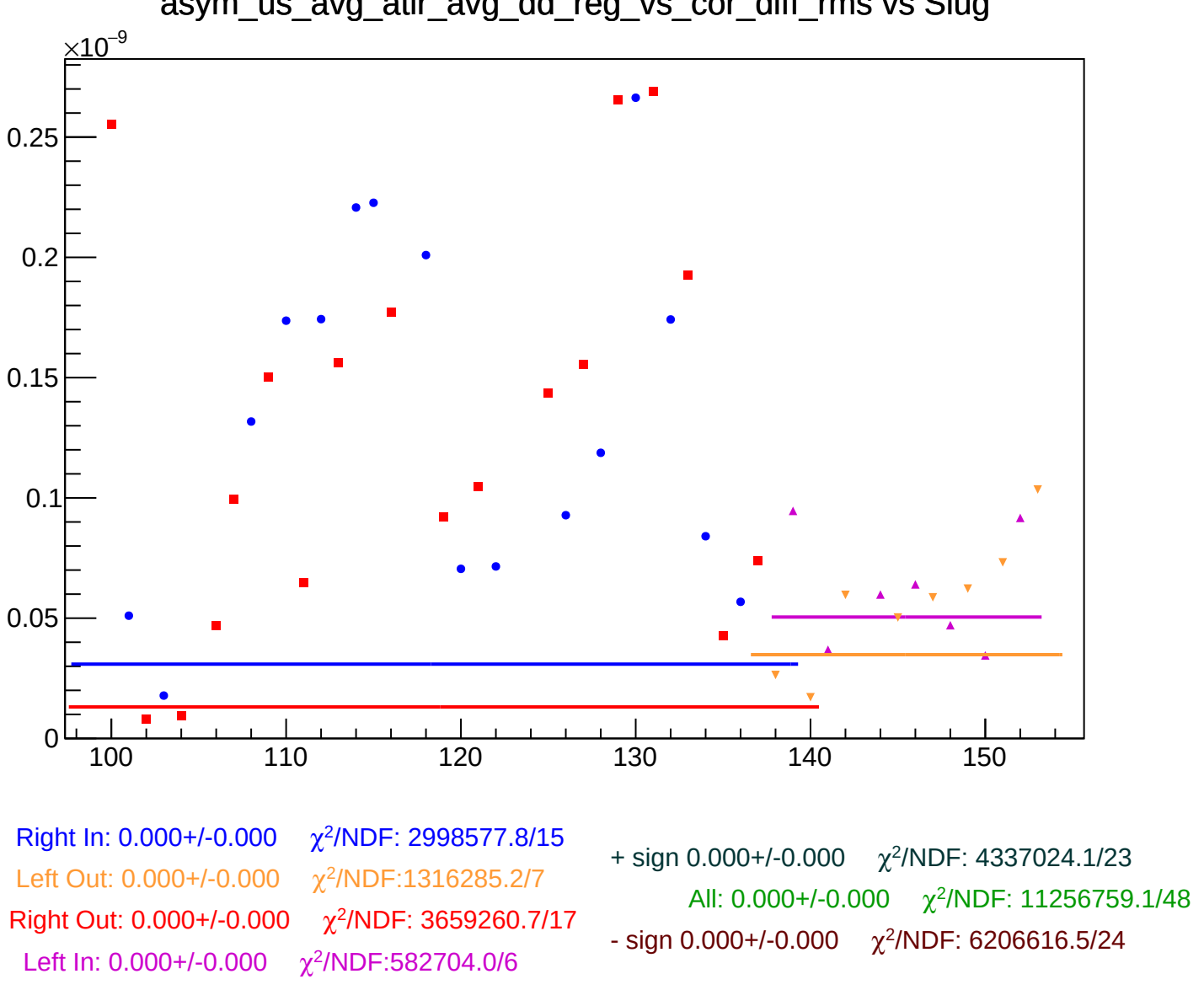
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

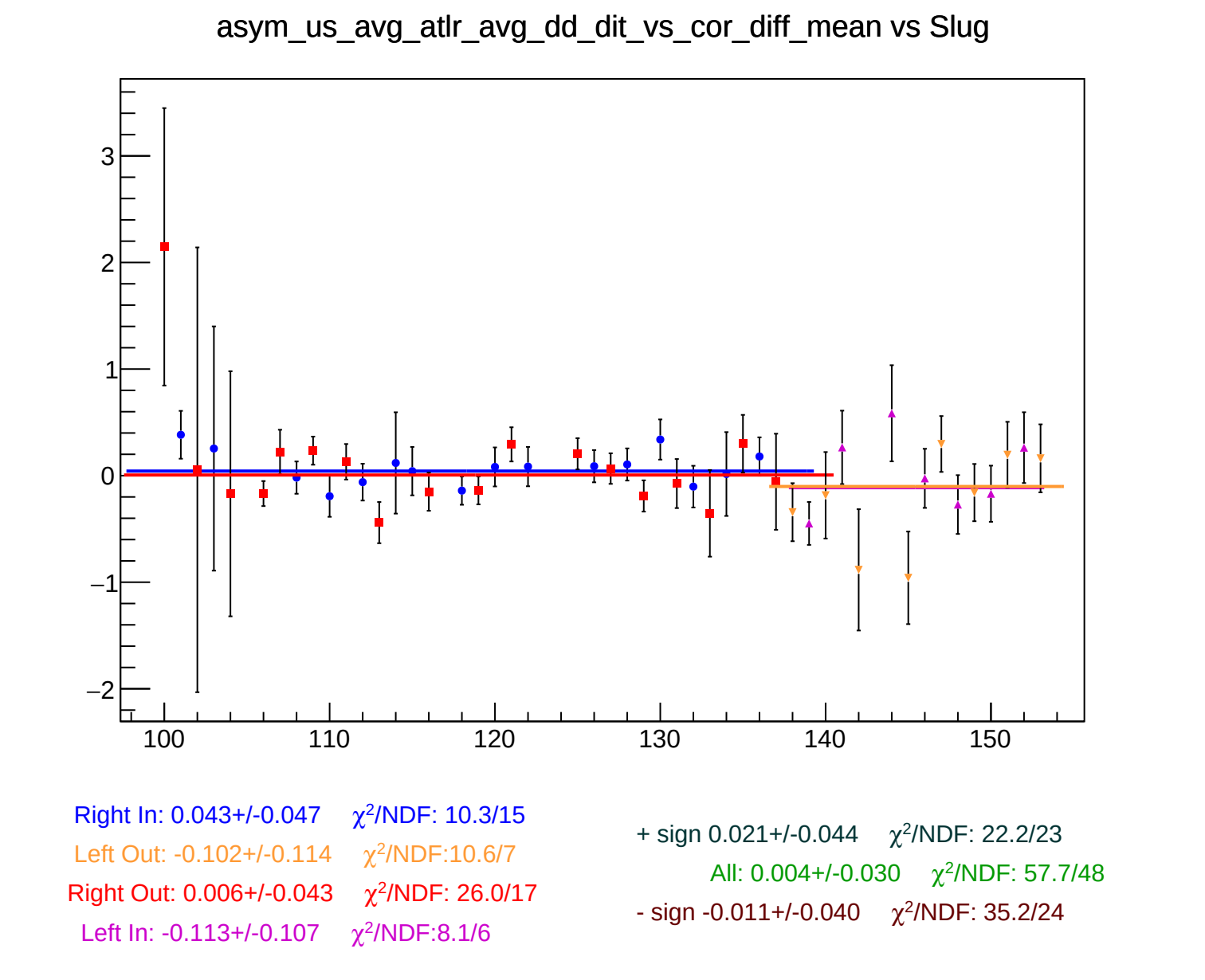
Left In: -0.000+/-0.000 χ^2/NDF:5.7/6

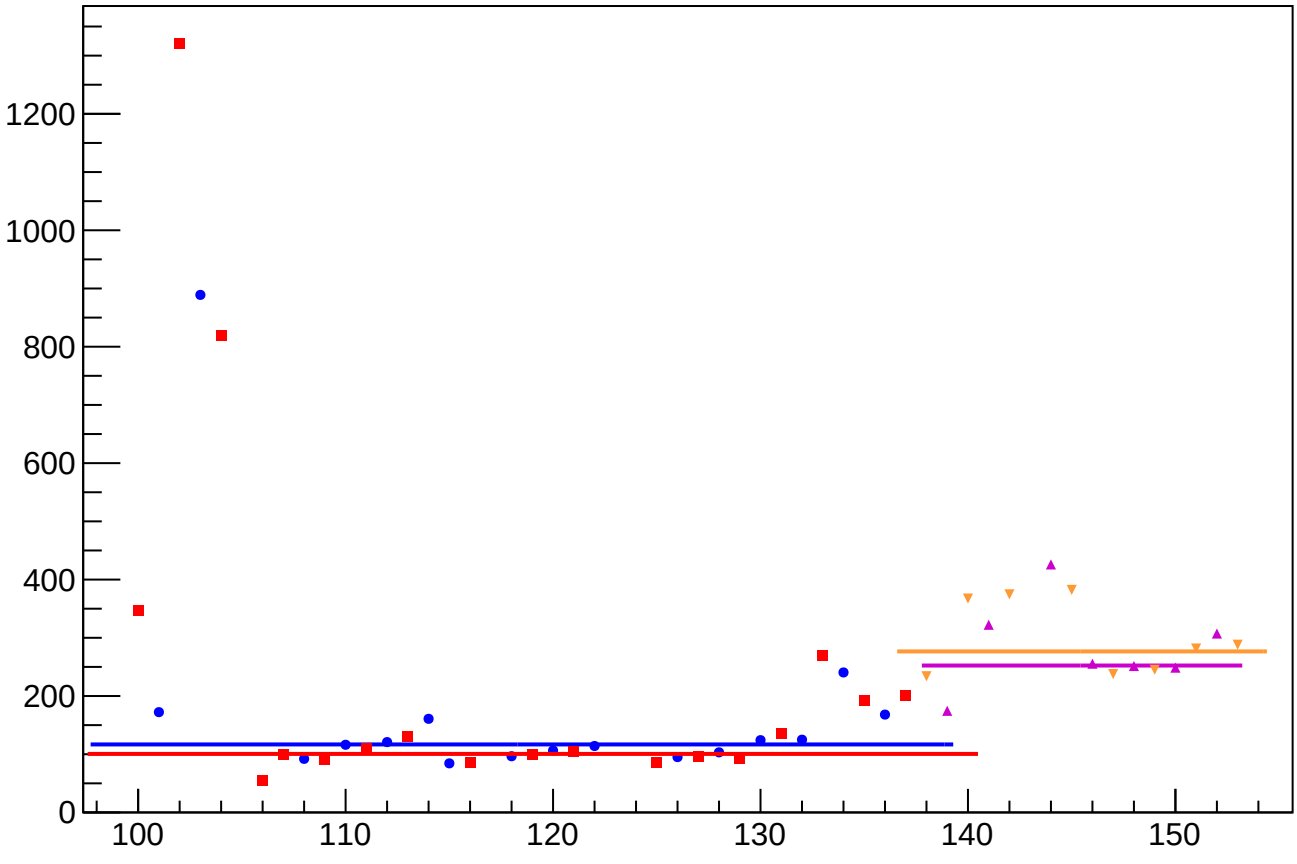
+ sign -0.000+/-0.000 χ^2/NDF: 33.4/23

All: -0.000+/-0.000 χ^2/NDF: 54.2/48

- sign -0.000+/-0.000 χ^2/NDF: 20.1/24


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2998577.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1316285.2/7
Right Out: 0.000+/-0.000 χ²/NDF: 3659260.7/17
Left In: 0.000+/-0.000 χ²/NDF:582704.0/6
+ sign 0.000+/-0.000 χ²/NDF: 4337024.1/23
All: 0.000+/-0.000 χ²/NDF: 11256759.1/48
- sign 0.000+/-0.000 χ²/NDF: 6206616.5/24


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.102+/-0.114 χ²/NDF:10.6/7
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.113+/-0.107 χ²/NDF:8.1/6
+ sign 0.021+/-0.044 χ²/NDF: 22.2/23
All: 0.004+/-0.030 χ²/NDF: 57.7/48
- sign -0.011+/-0.040 χ²/NDF: 35.2/24



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 276.640+/-0.081 χ^2/NDF:401466.9/7

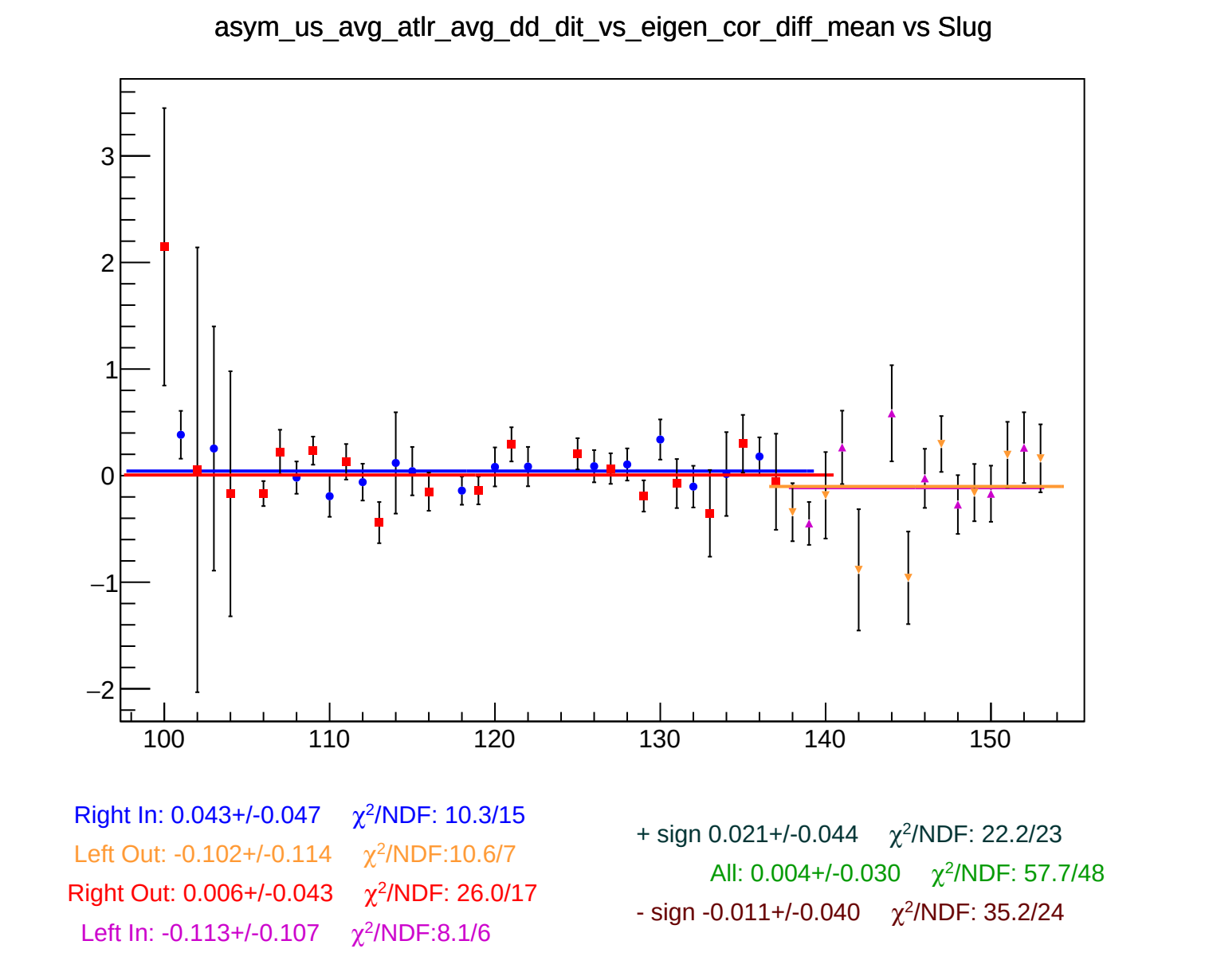
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

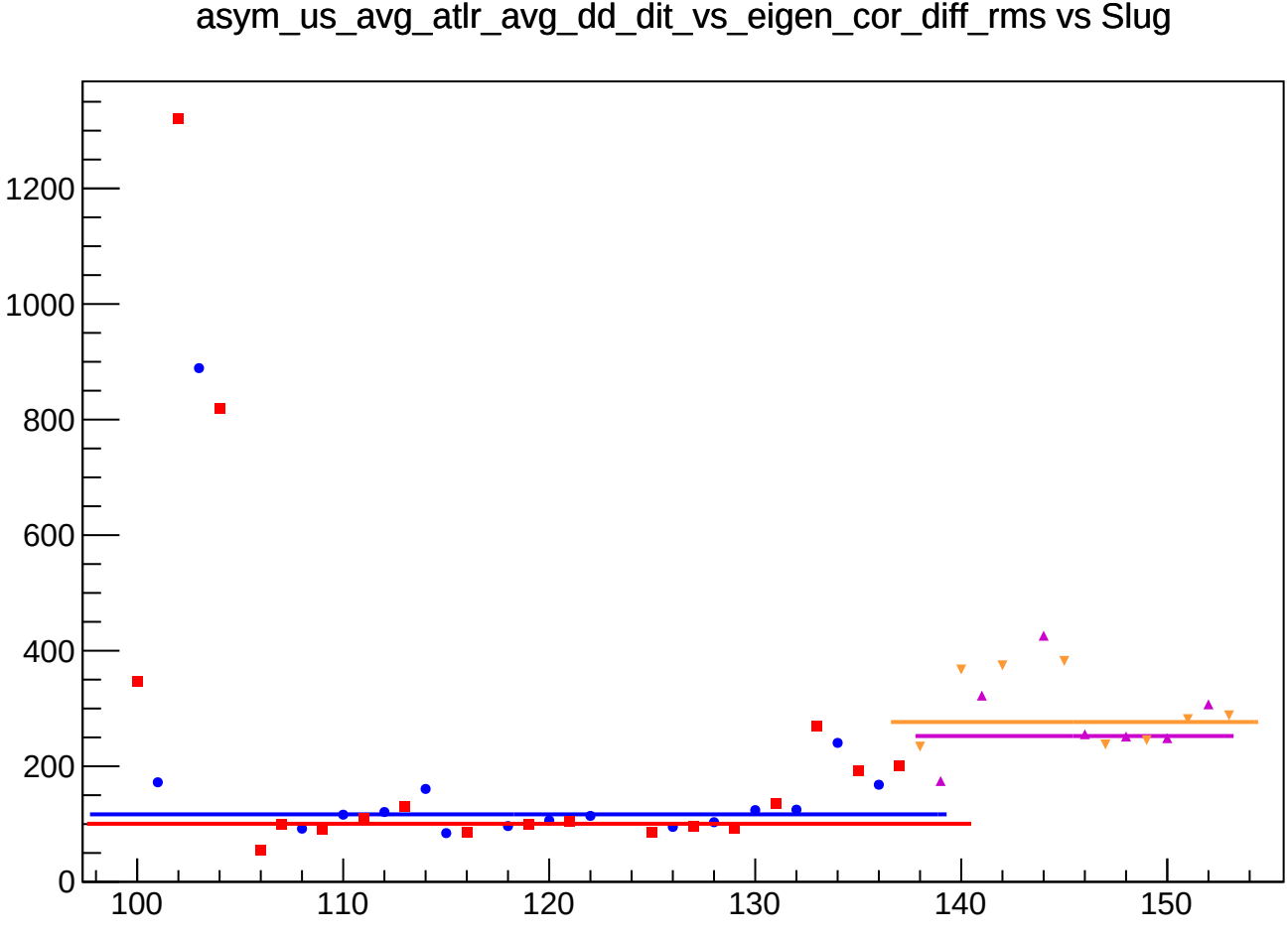
Left In: 252.367+/-0.076 χ^2/NDF:733162.8/6

+ sign 140.375+/-0.031 χ^2/NDF: 5360649.9/23

All: 130.415+/-0.021 χ^2/NDF: 12416615.9/48

- sign 122.041+/-0.028 χ^2/NDF: 6865877.4/24


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.102+/-0.114 χ²/NDF:10.6/7
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.113+/-0.107 χ²/NDF:8.1/6
+ sign 0.021+/-0.044 χ²/NDF: 22.2/23
All: 0.004+/-0.030 χ²/NDF: 57.7/48
- sign -0.011+/-0.040 χ²/NDF: 35.2/24



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 276.640+/-0.081 χ^2/NDF:401466.9/7

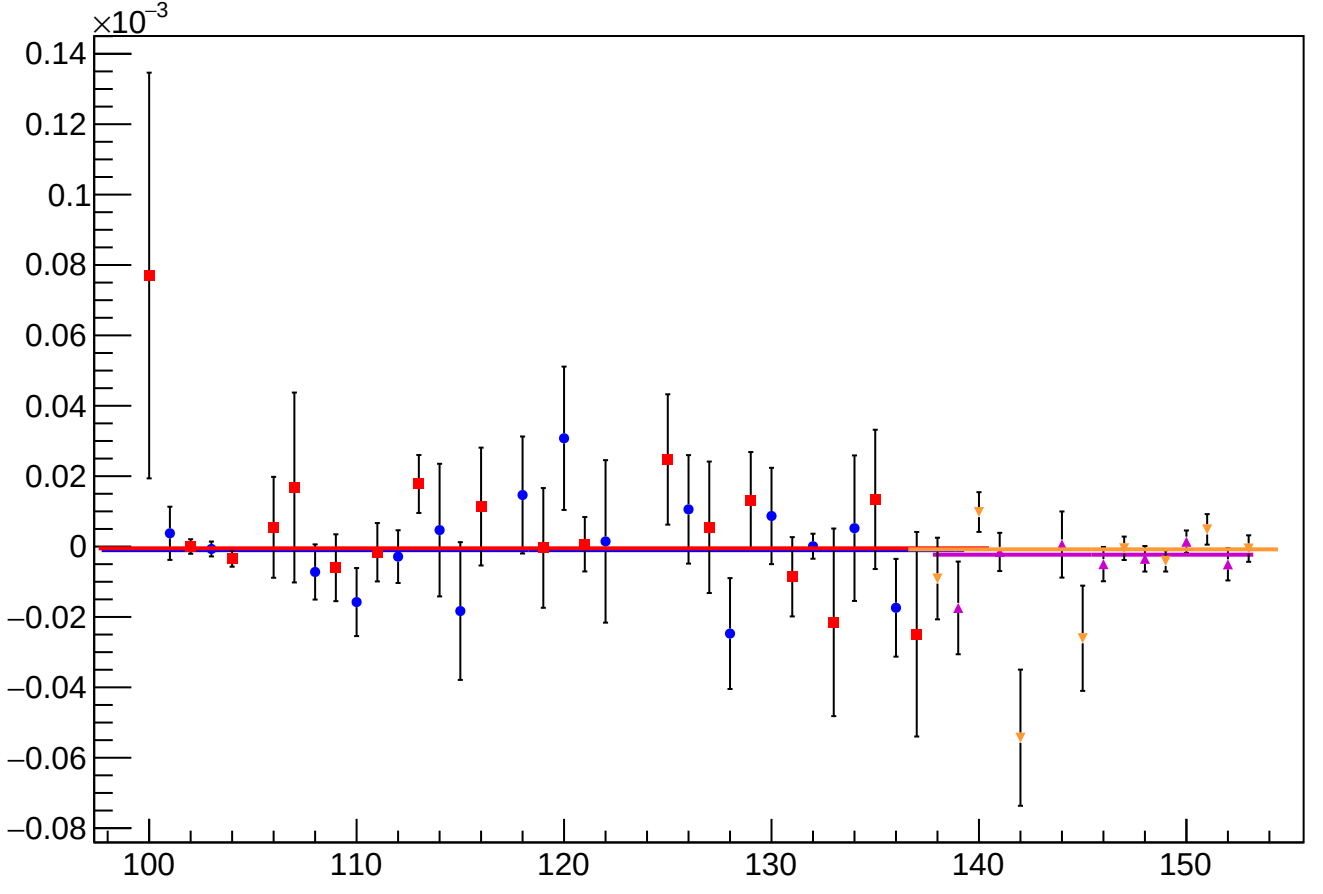
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 252.367+/-0.076 χ^2/NDF:733162.8/6

+ sign 140.375+/-0.031 χ^2/NDF: 5360649.9/23

All: 130.415+/-0.021 χ^2/NDF: 12416615.9/48

- sign 122.041+/-0.028 χ^2/NDF: 6865877.4/24



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/7

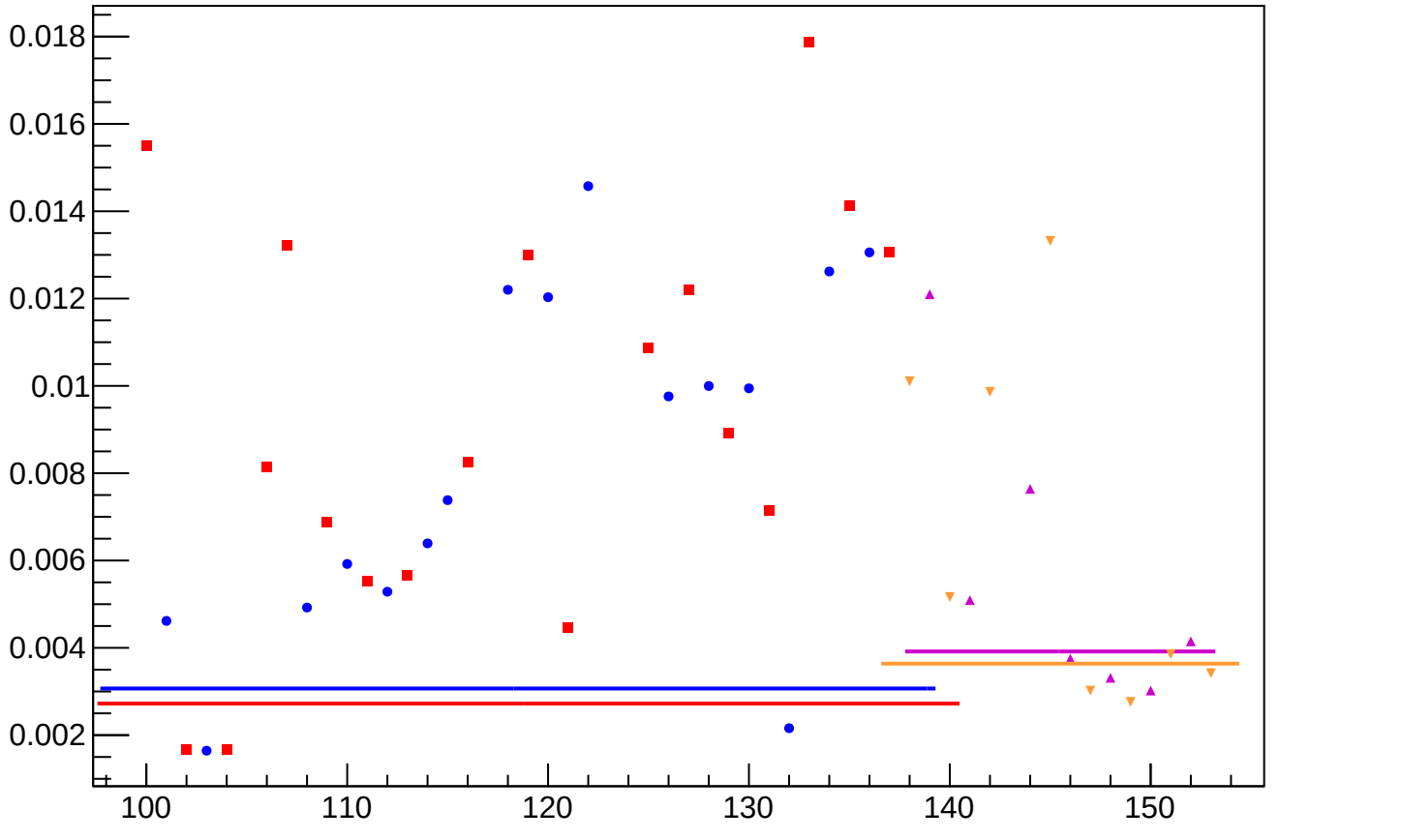
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:3.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/23

All: -0.000+/-0.000 χ^2/NDF: 49.3/48

- sign -0.000+/-0.000 χ^2/NDF: 19.2/24



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2063171.2/7

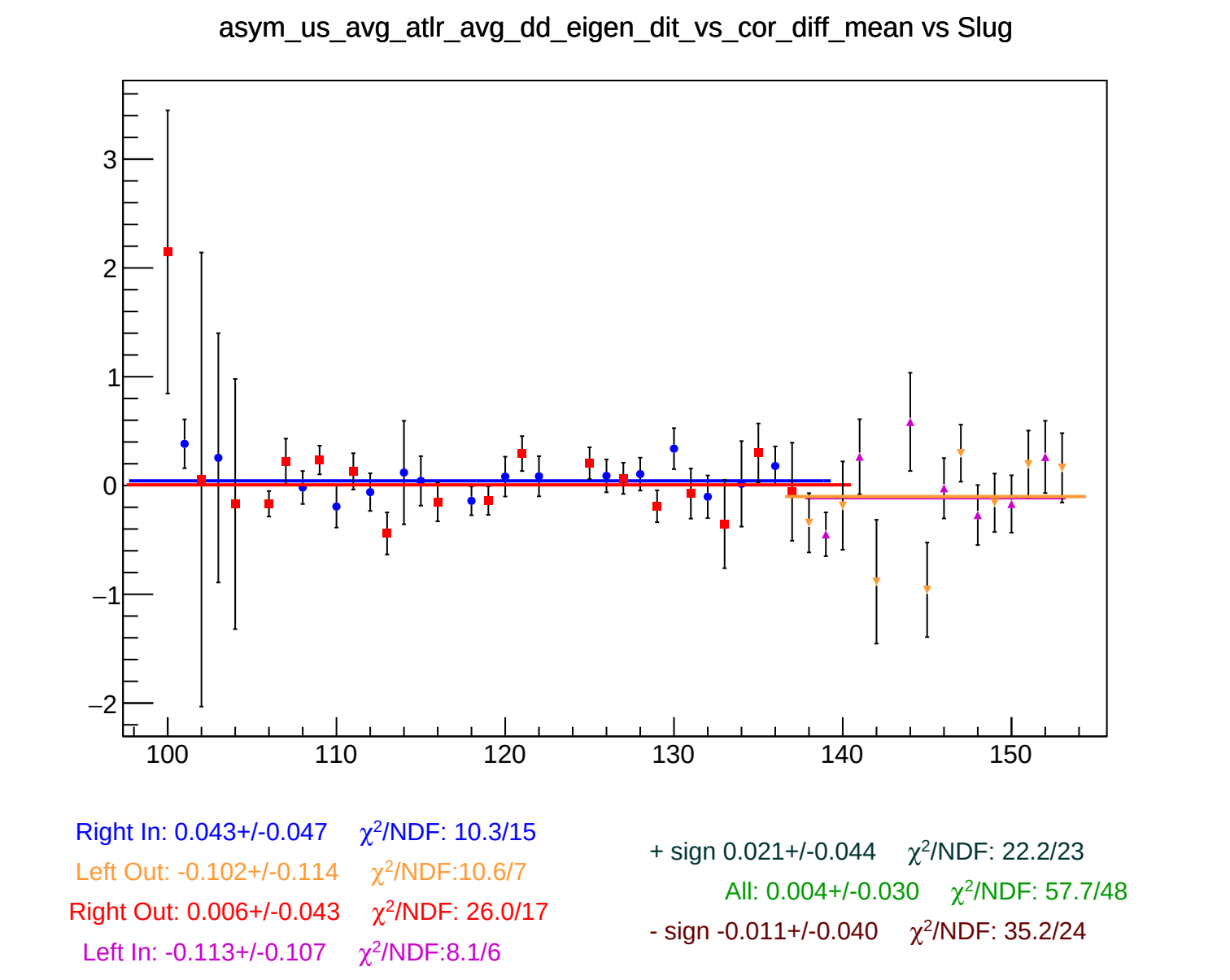
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1400087.2/6

+ sign 0.003+/-0.000 χ^2/NDF: 8152240.9/23

All: 0.003+/-0.000 χ^2/NDF: 16842253.2/48

- sign 0.003+/-0.000 χ^2/NDF: 8668496.3/24


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
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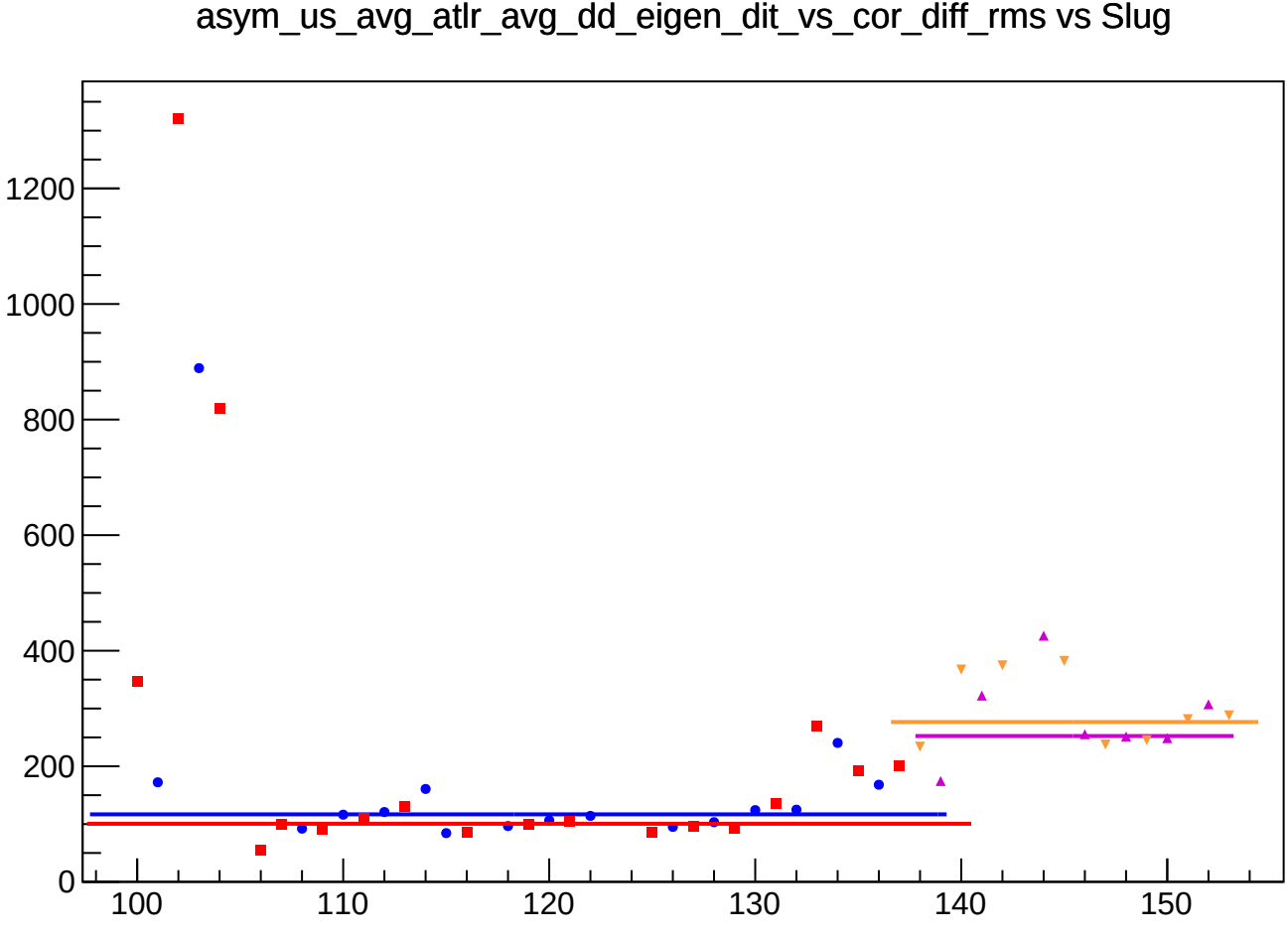
120
130
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.102+/-0.114 χ²/NDF:10.6/7
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.113+/-0.107 χ²/NDF:8.1/6
+ sign 0.021+/-0.044 χ²/NDF: 22.2/23
All: 0.004+/-0.030 χ²/NDF: 57.7/48
- sign -0.011+/-0.040 χ²/NDF: 35.2/24



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 276.642+/-0.081 χ^2/NDF:401468.7/7

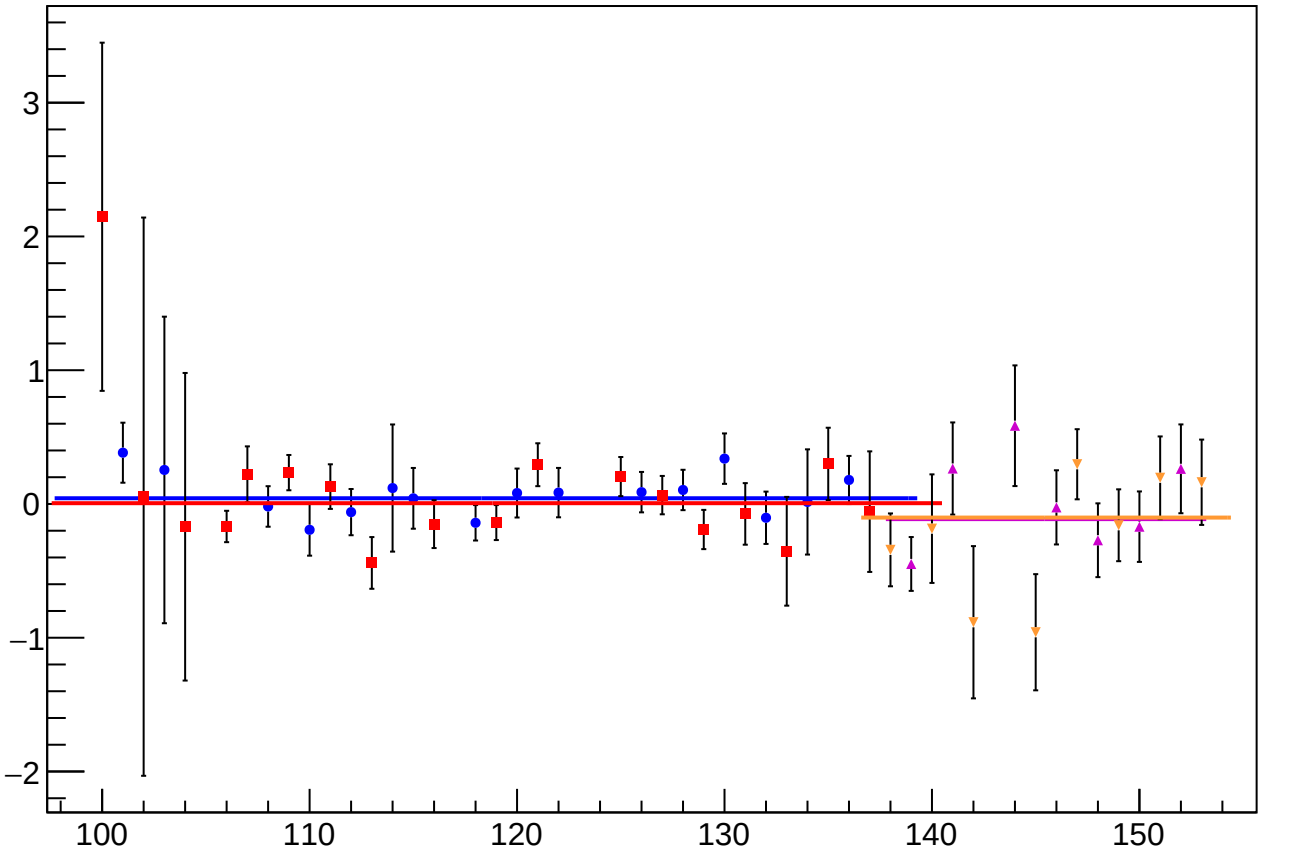
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 252.371+/-0.076 χ^2/NDF:733128.7/6

+ sign 140.375+/-0.031 χ^2/NDF: 5360711.0/23

All: 130.415+/-0.021 χ^2/NDF: 12416880.1/48

- sign 122.040+/-0.028 χ^2/NDF: 6866061.1/24



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.102+/-0.114 χ^2/NDF:10.6/7

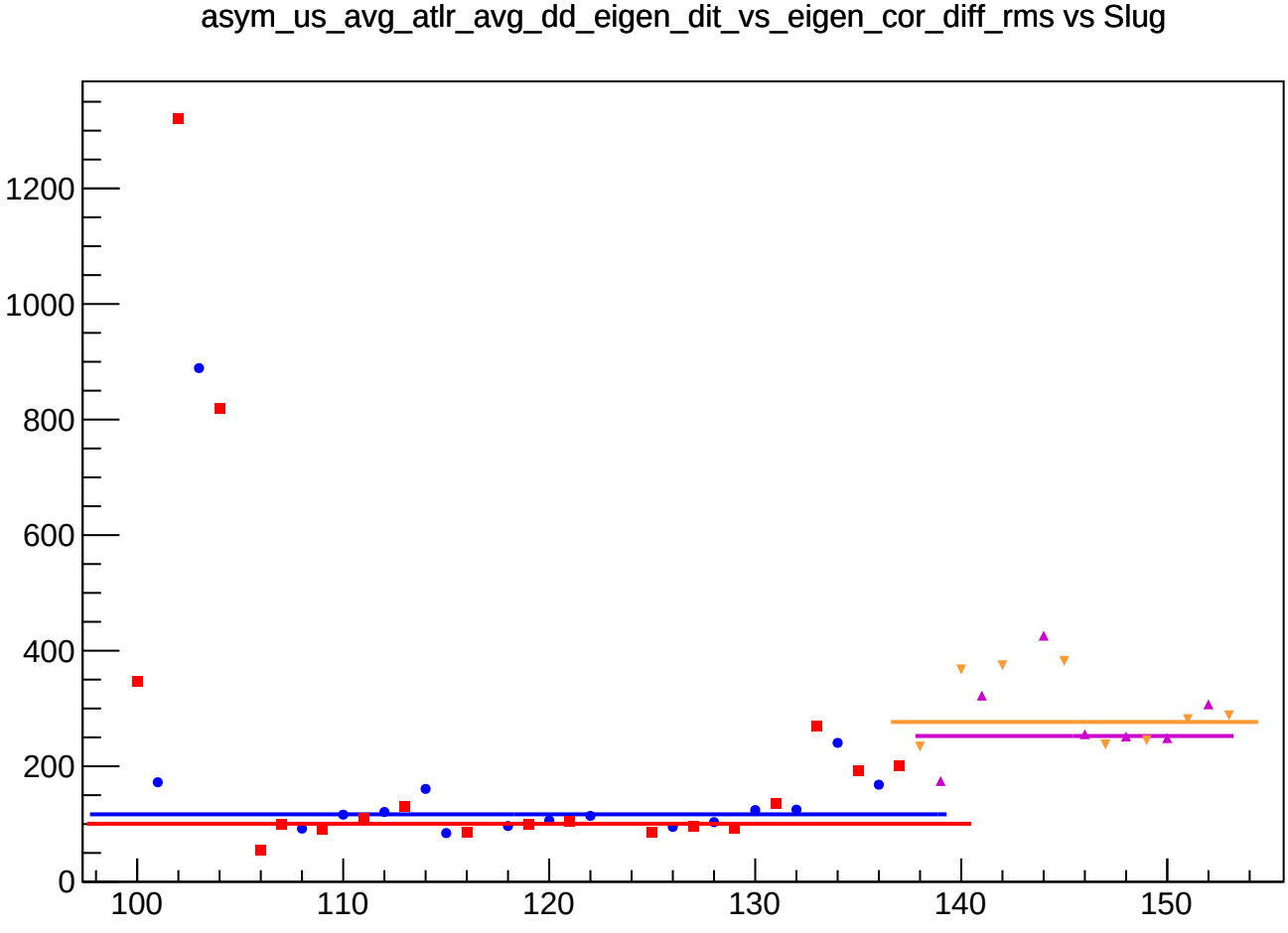
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.113+/-0.107 χ^2/NDF:8.1/6

+ sign 0.021+/-0.044 χ^2/NDF: 22.2/23

All: 0.004+/-0.030 χ^2/NDF: 57.7/48

- sign -0.011+/-0.040 χ^2/NDF: 35.2/24



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 276.642+/-0.081 χ^2/NDF:401468.7/7

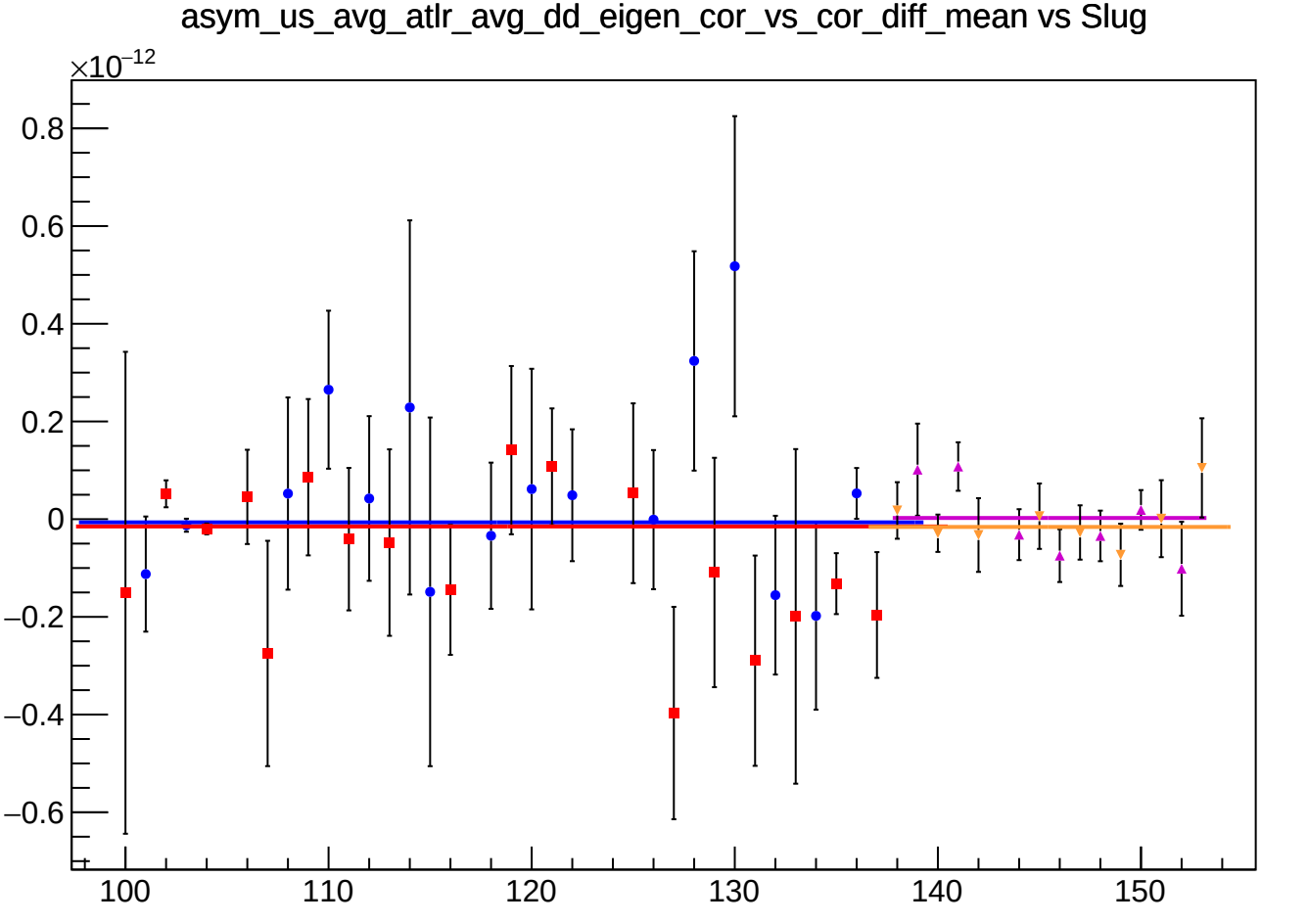
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

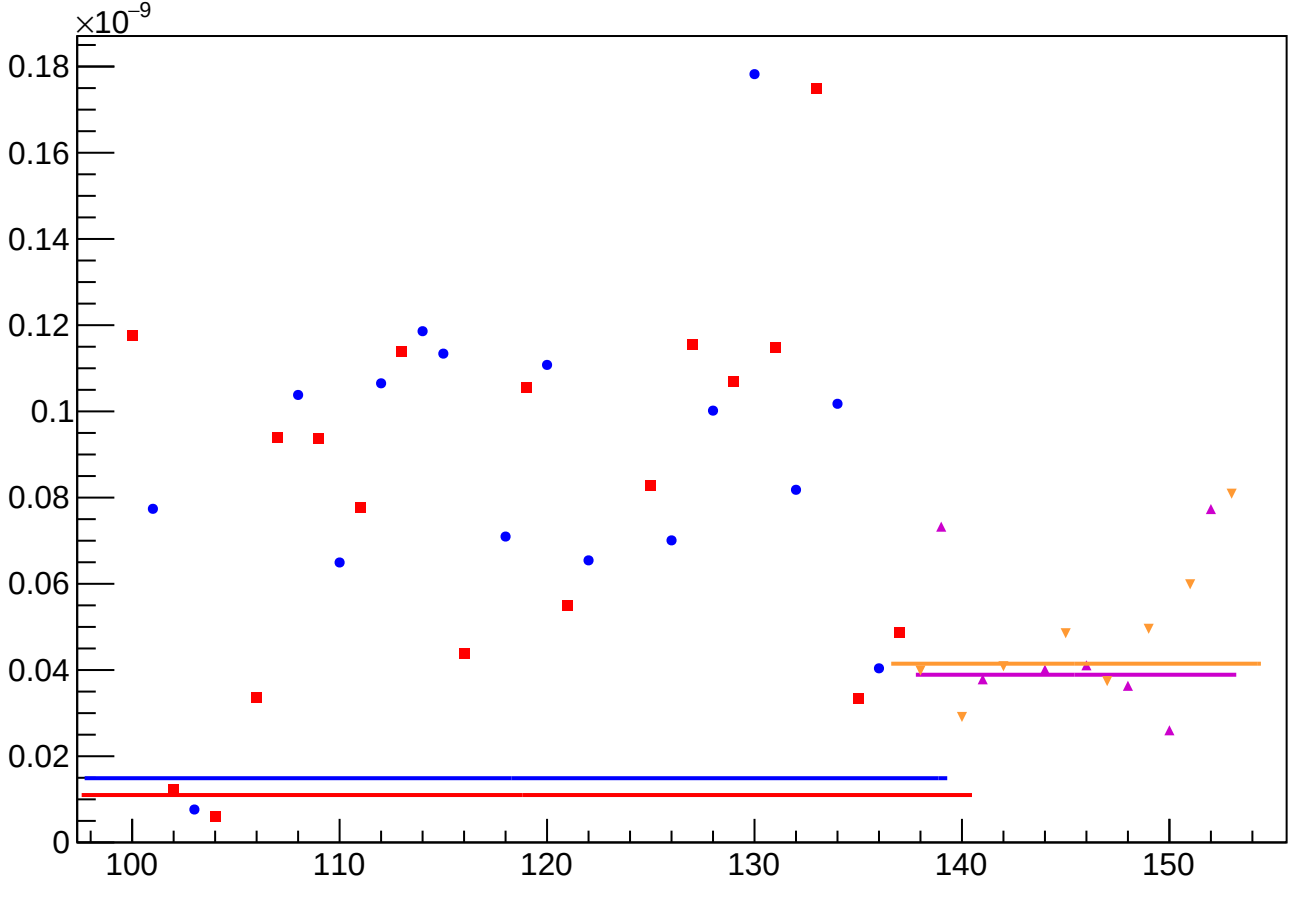
Left In: 252.371+/-0.076 χ^2/NDF:733128.7/6

+ sign 140.375+/-0.031 χ^2/NDF: 5360711.0/23

All: 130.415+/-0.021 χ^2/NDF: 12416880.1/48

- sign 122.040+/-0.028 χ^2/NDF: 6866061.1/24


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:2.9/7
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: 0.000+/-0.000 χ²/NDF:9.9/6
+ sign -0.000+/-0.000 χ²/NDF: 16.1/23
All: -0.000+/-0.000 χ²/NDF: 48.5/48
- sign -0.000+/-0.000 χ²/NDF: 32.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:686926.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

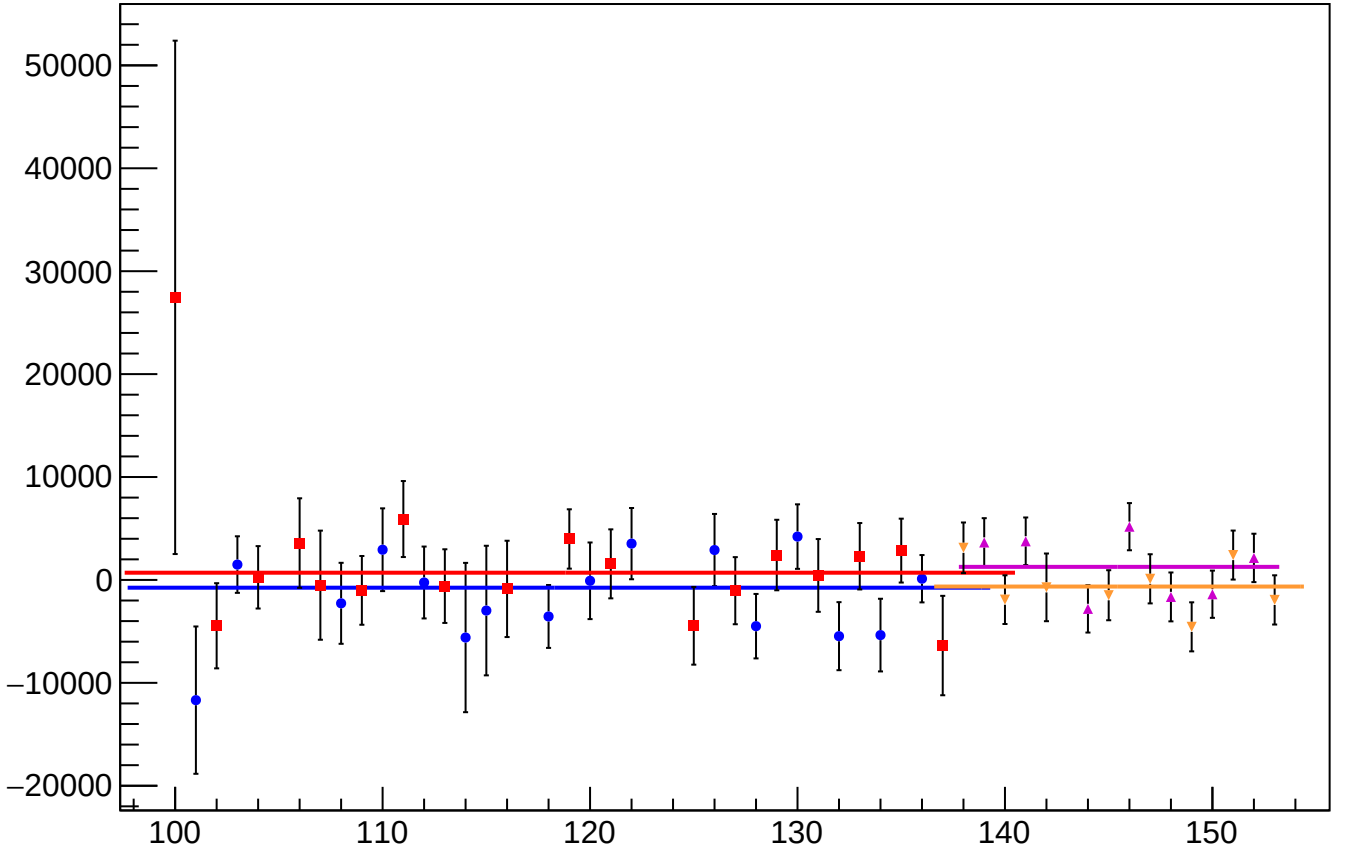
Left In: 0.000+/-0.000 χ^2/NDF:797104.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 8900873.1/23

All: 0.000+/-0.000 χ^2/NDF: 18822856.1/48

- sign 0.000+/-0.000 χ^2/NDF: 9606816.2/24

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -642.780+/-874.222 χ^2/NDF:7.5/7

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

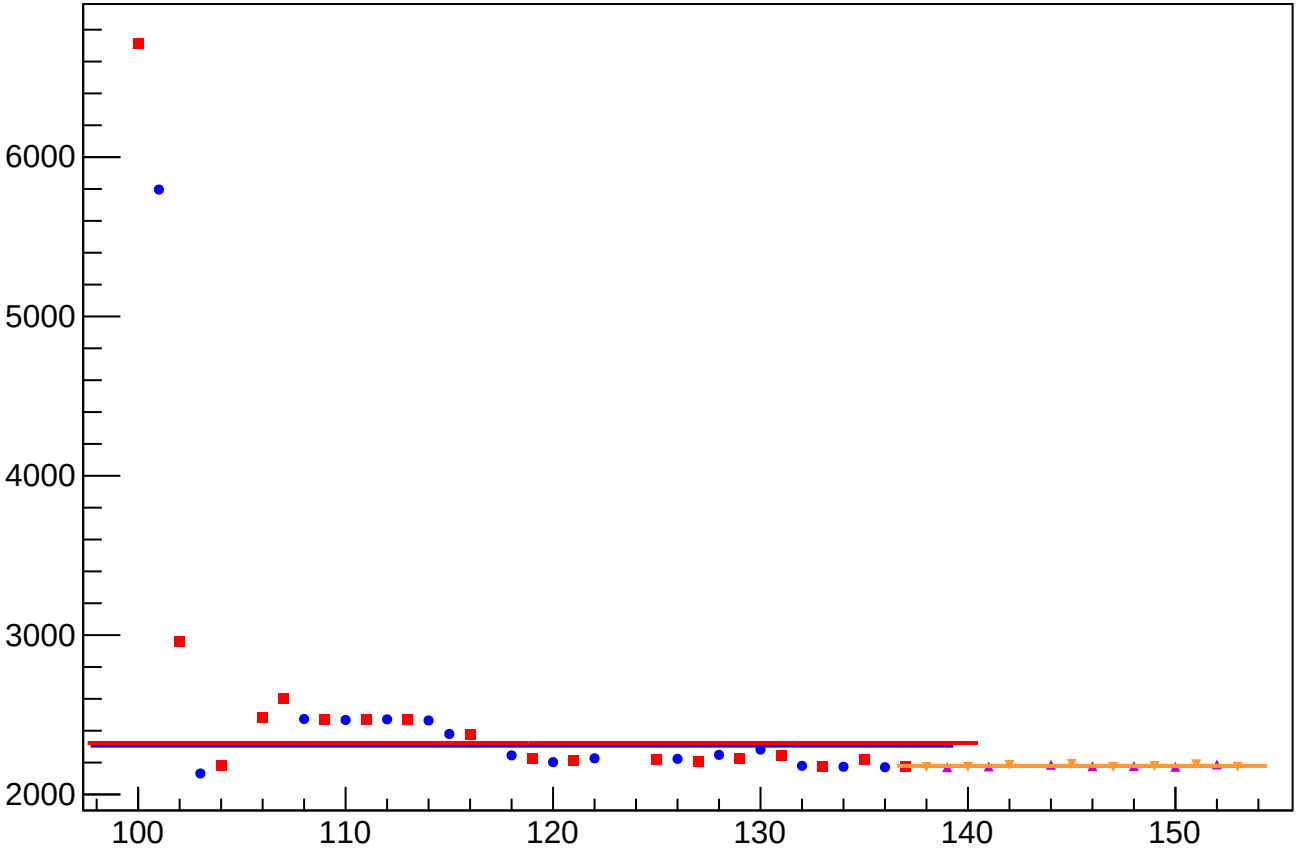
Left In: 1270.363+/-879.275 χ^2/NDF:11.2/6

+ sign -698.636+/-617.612 χ^2/NDF: 23.4/23

All: 141.636+/-436.837 χ^2/NDF: 50.9/48

- sign 982.826+/-617.949 χ^2/NDF: 23.8/24

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.867+/-0.618 χ^2/NDF:140.9/7

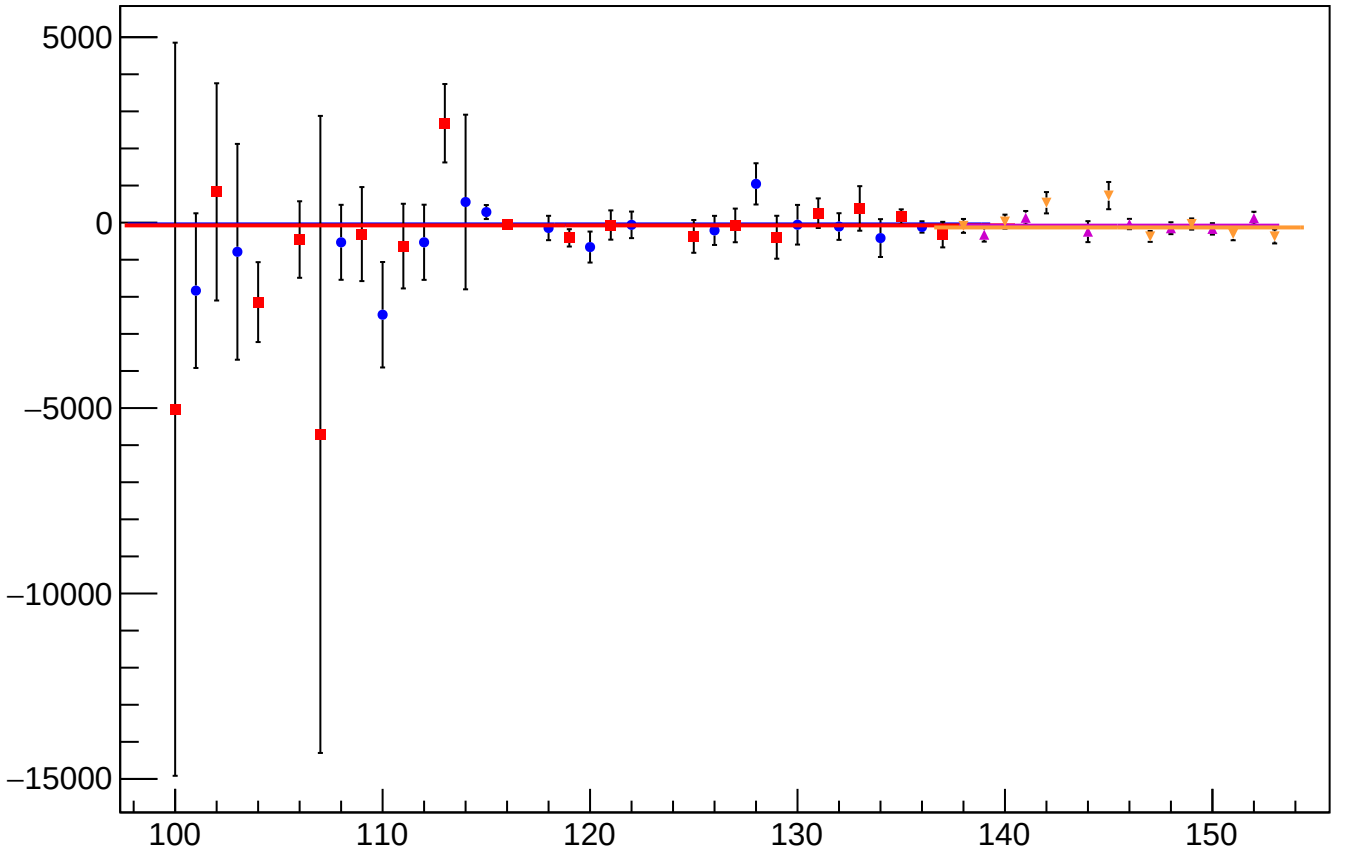
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2178.698+/-0.622 χ^2/NDF:93.5/6

+ sign 2242.870+/-0.437 χ^2/NDF: 535692.1/23

All: 2247.299+/-0.309 χ^2/NDF: 715043.7/48

- sign 2251.732+/-0.437 χ^2/NDF: 179145.8/24



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -129.649+/-66.201 χ^2/NDF:17.4/7

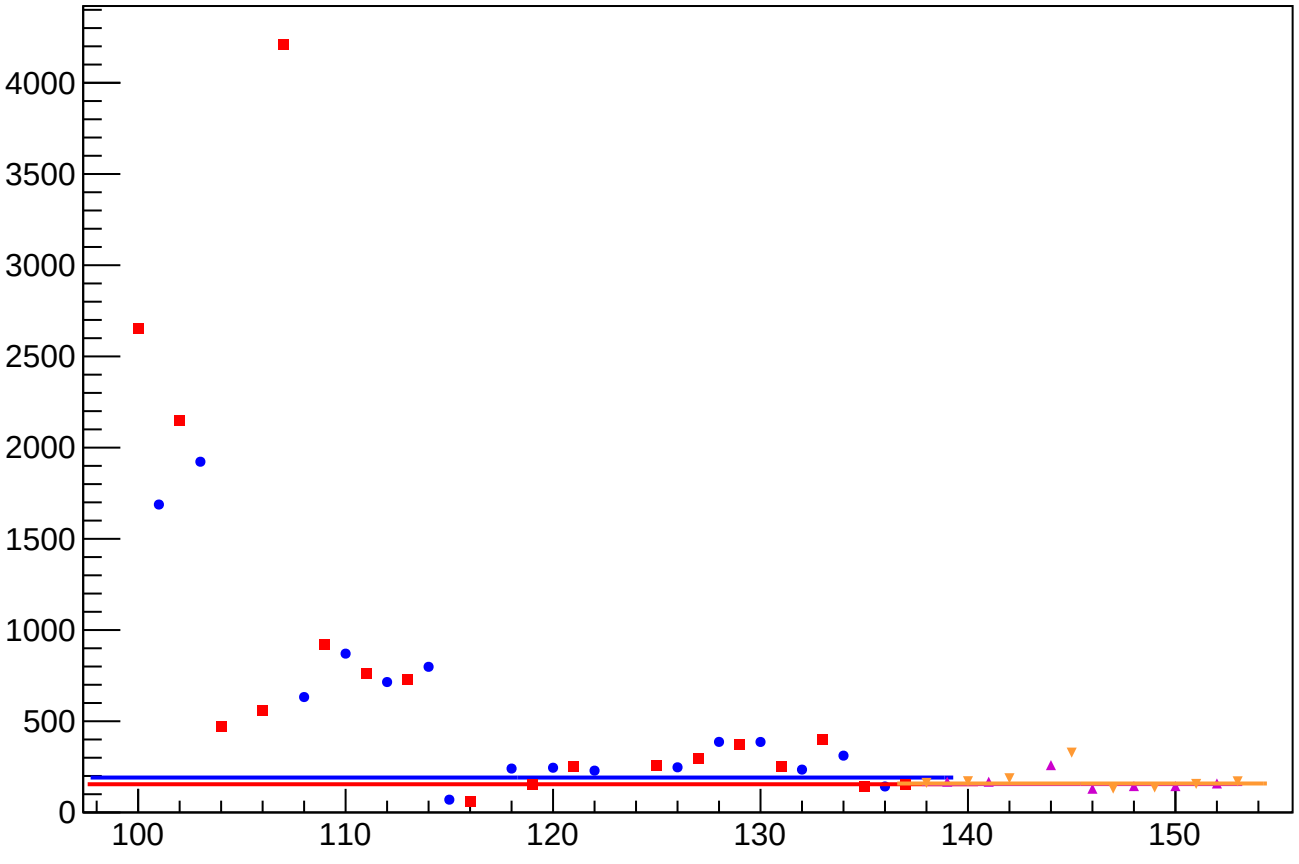
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -81.472+/-64.916 χ^2/NDF:5.4/6

+ sign -101.332+/-53.516 χ^2/NDF: 32.3/23

All: -89.462+/-36.916 χ^2/NDF: 55.4/48

- sign -78.687+/-50.989 χ^2/NDF: 23.0/24



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 158.725+/-0.047 χ^2/NDF:577627.7/7

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

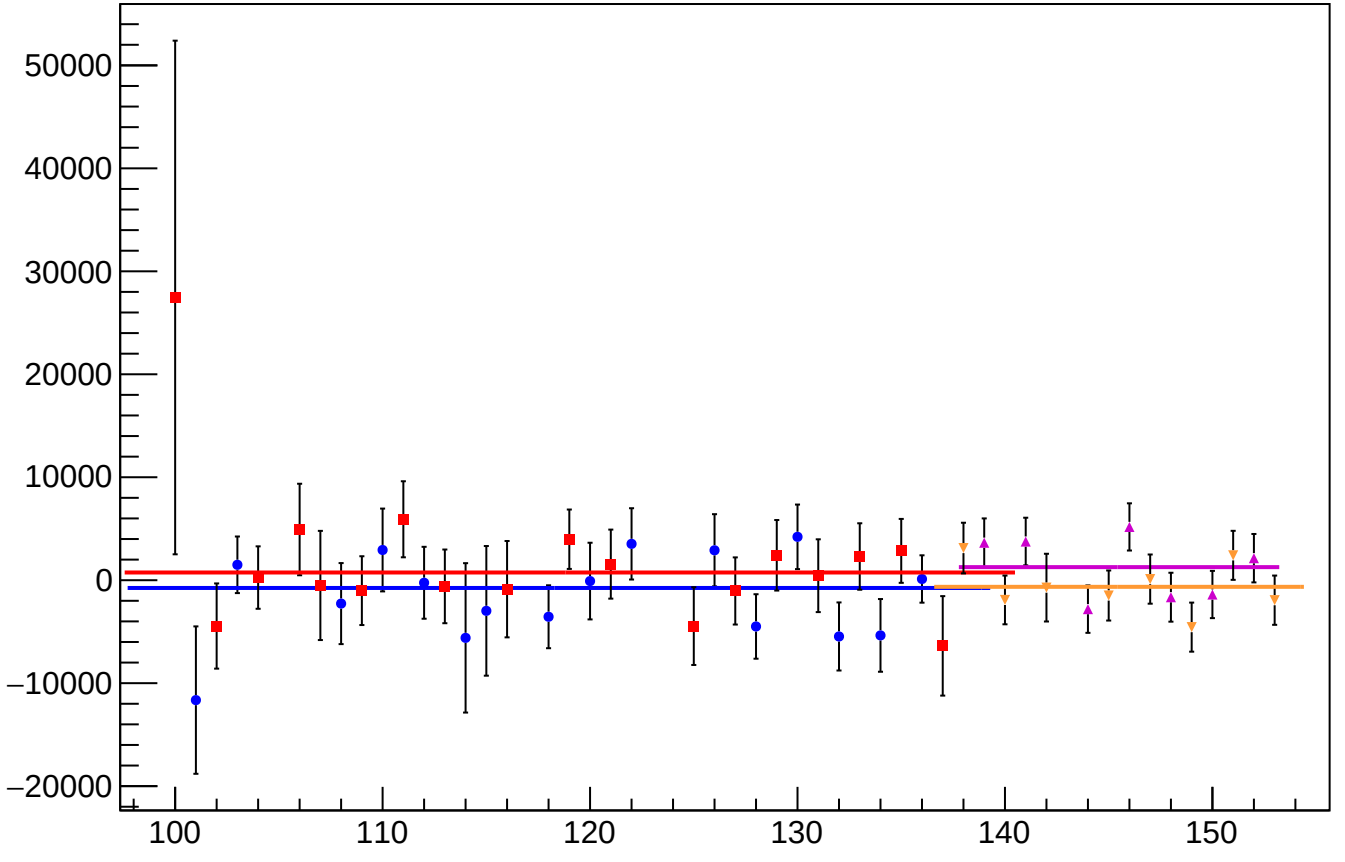
Left In: 155.509+/-0.046 χ^2/NDF:376760.6/6

+ sign 170.041+/-0.038 χ^2/NDF: 5810996.6/23

All: 162.256+/-0.026 χ^2/NDF: 12422895.2/48

- sign 155.190+/-0.036 χ^2/NDF: 6531172.4/24

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -642.821+/-874.222 χ^2/NDF:7.5/7

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

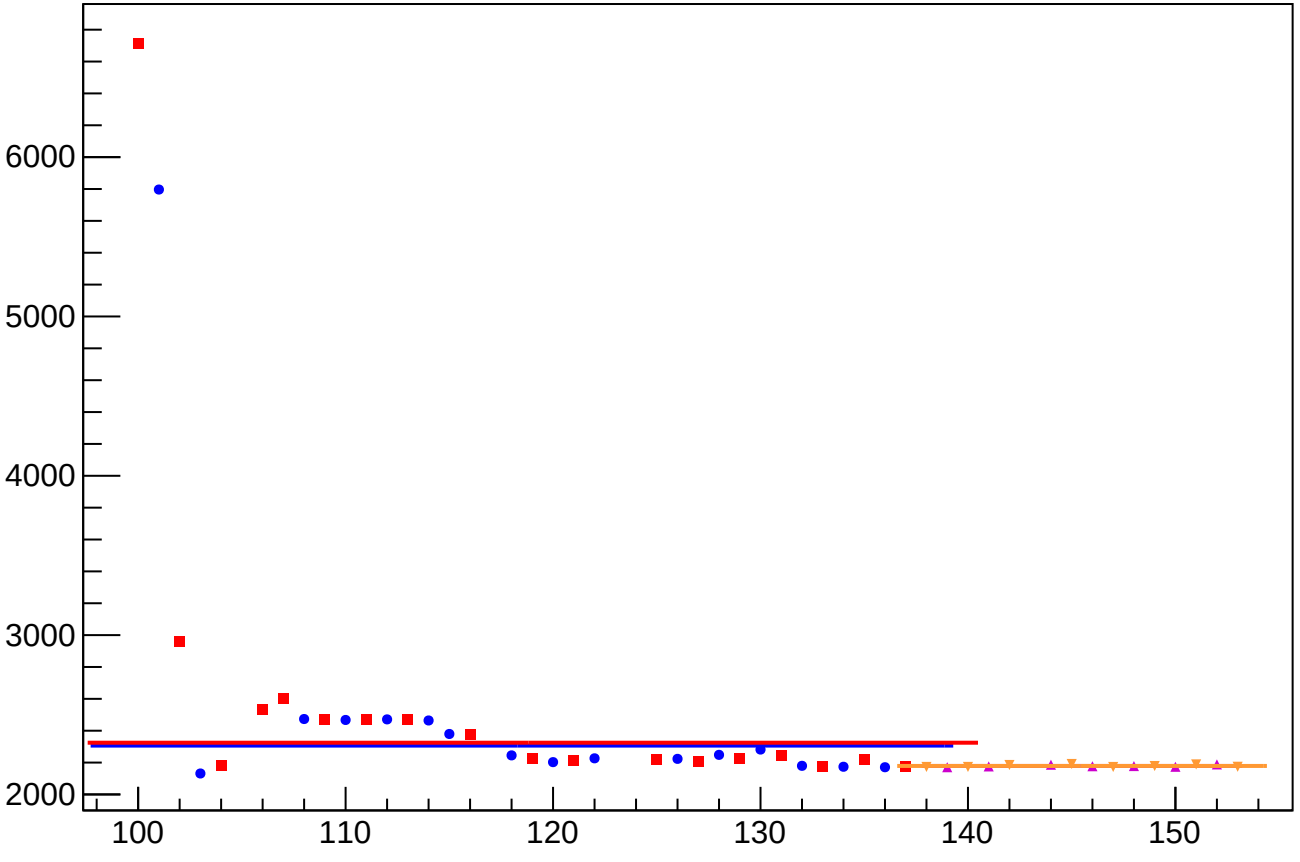
Left In: 1270.409+/-879.275 χ^2/NDF:11.2/6

+ sign -698.171+/-617.613 χ^2/NDF: 23.4/23

All: 153.547+/-436.928 χ^2/NDF: 51.4/48

- sign 1006.909+/-618.208 χ^2/NDF: 24.2/24

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.867+/-0.618 χ^2/NDF:140.9/7

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

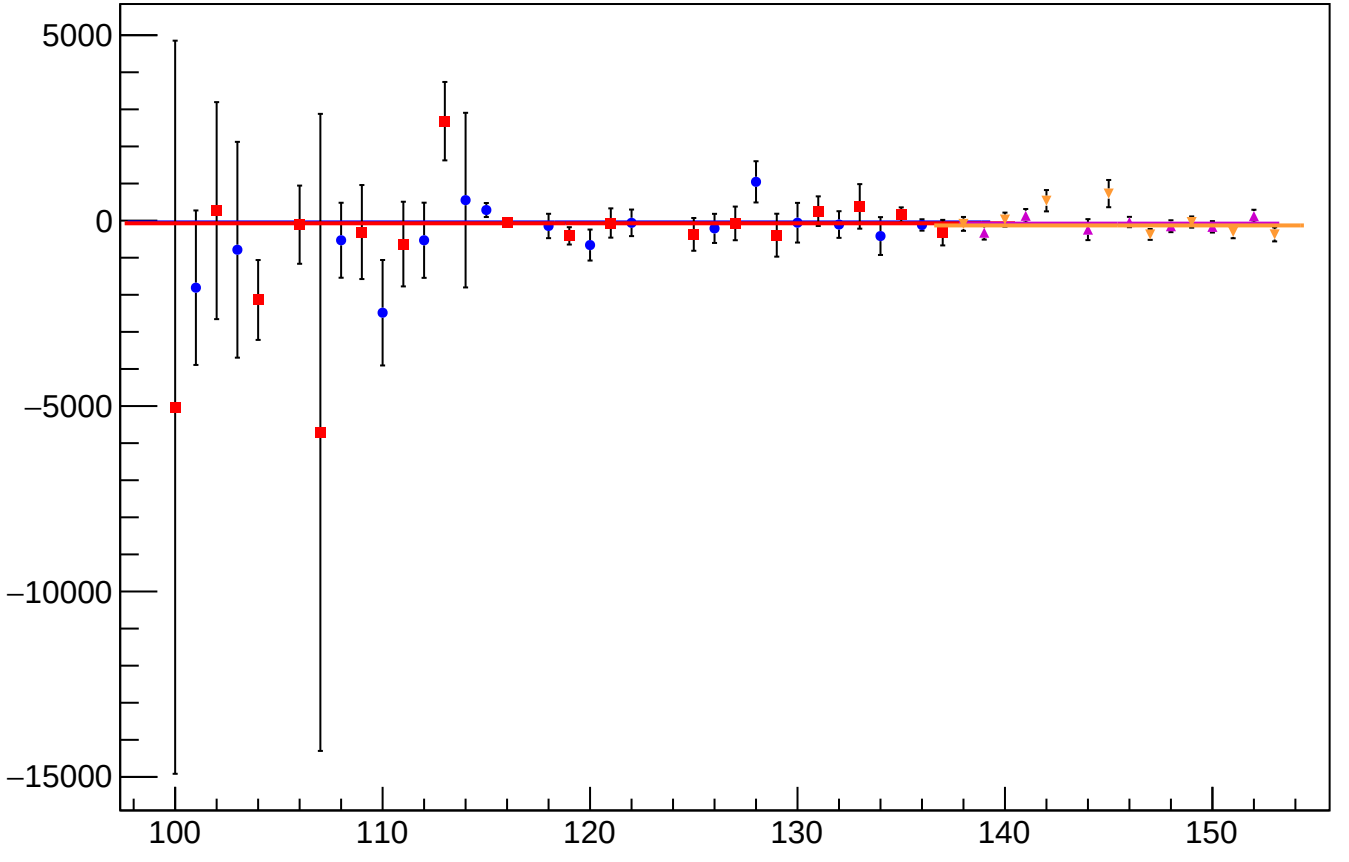
Left In: 2178.698+/-0.622 χ^2/NDF:93.5/6

+ sign 2242.870+/-0.437 χ^2/NDF: 535692.4/23

All: 2247.690+/-0.309 χ^2/NDF: 717487.0/48

- sign 2252.519+/-0.437 χ^2/NDF: 181550.7/24

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -129.608+/-66.202 χ^2/NDF:17.3/7

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

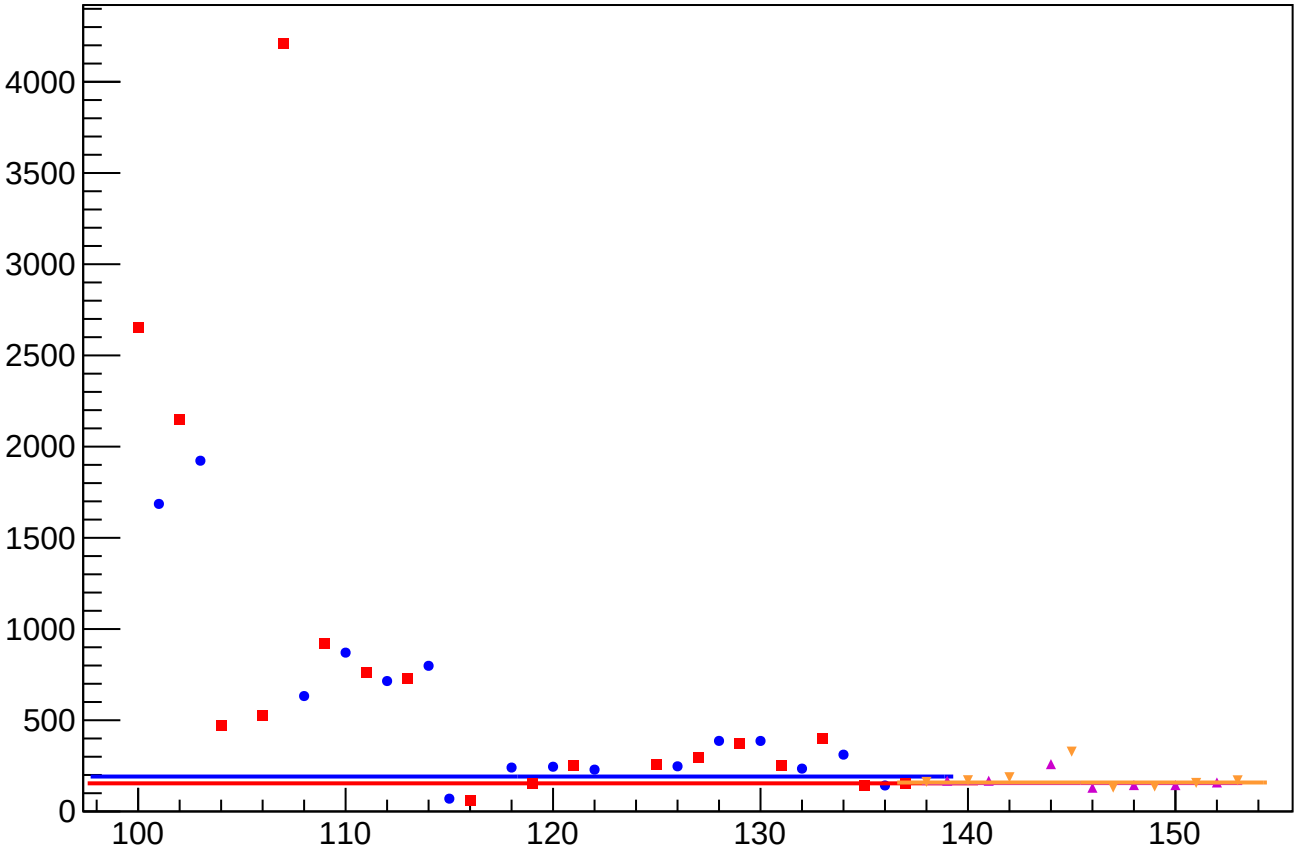
Left In: -81.444+/-64.921 χ^2/NDF:5.3/6

+ sign -101.318+/-53.518 χ^2/NDF: 32.2/23

All: -89.039+/-36.912 χ^2/NDF: 55.1/48

- sign -77.899+/-50.976 χ^2/NDF: 22.8/24

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 158.728+/-0.047 χ^2/NDF:577706.4/7

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

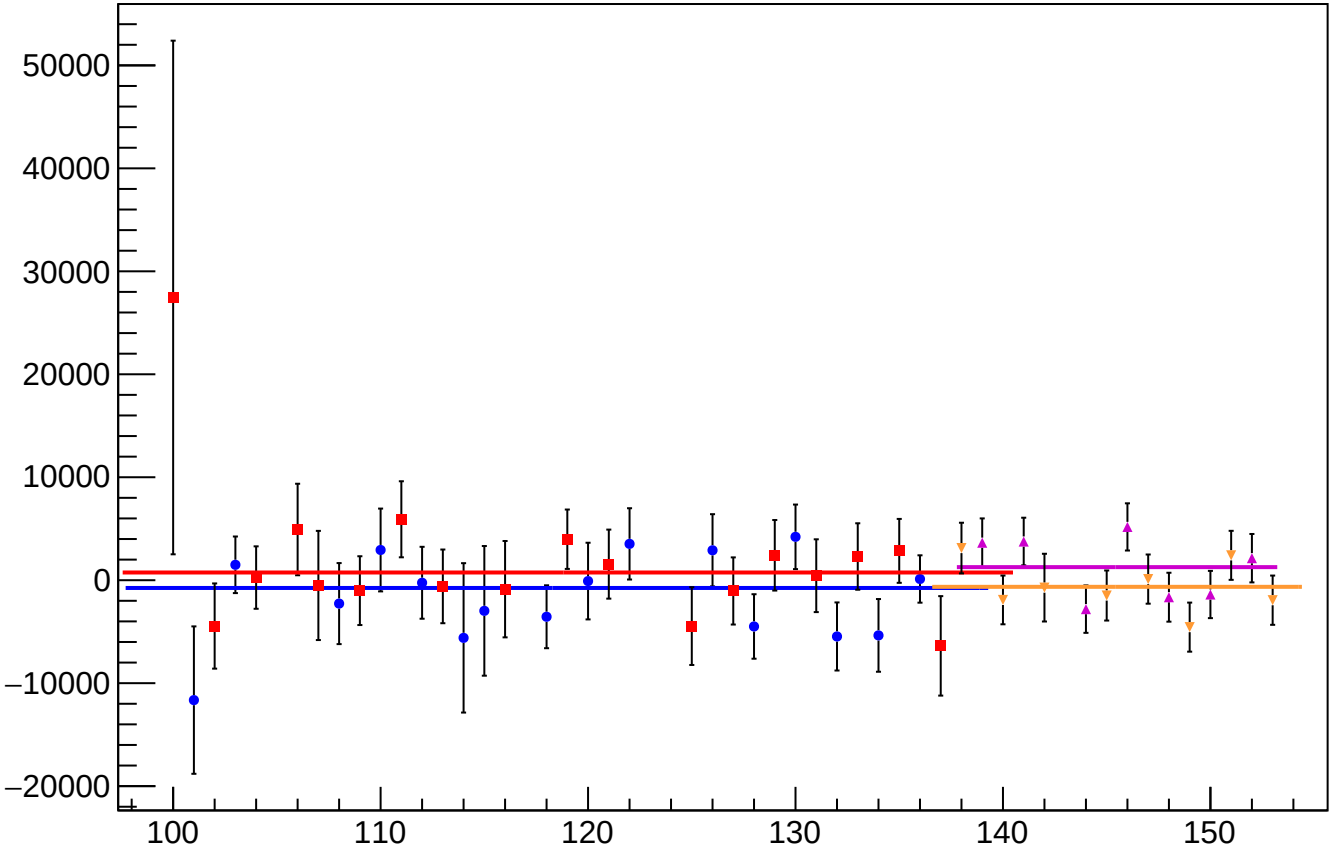
Left In: 155.523+/-0.046 χ^2/NDF:376659.7/6

+ sign 170.050+/-0.038 χ^2/NDF: 5810137.3/23

All: 162.152+/-0.026 χ^2/NDF: 12378910.8/48

- sign 154.985+/-0.036 χ^2/NDF: 6485682.2/24

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -642.821+/-874.222 χ^2/NDF:7.5/7

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

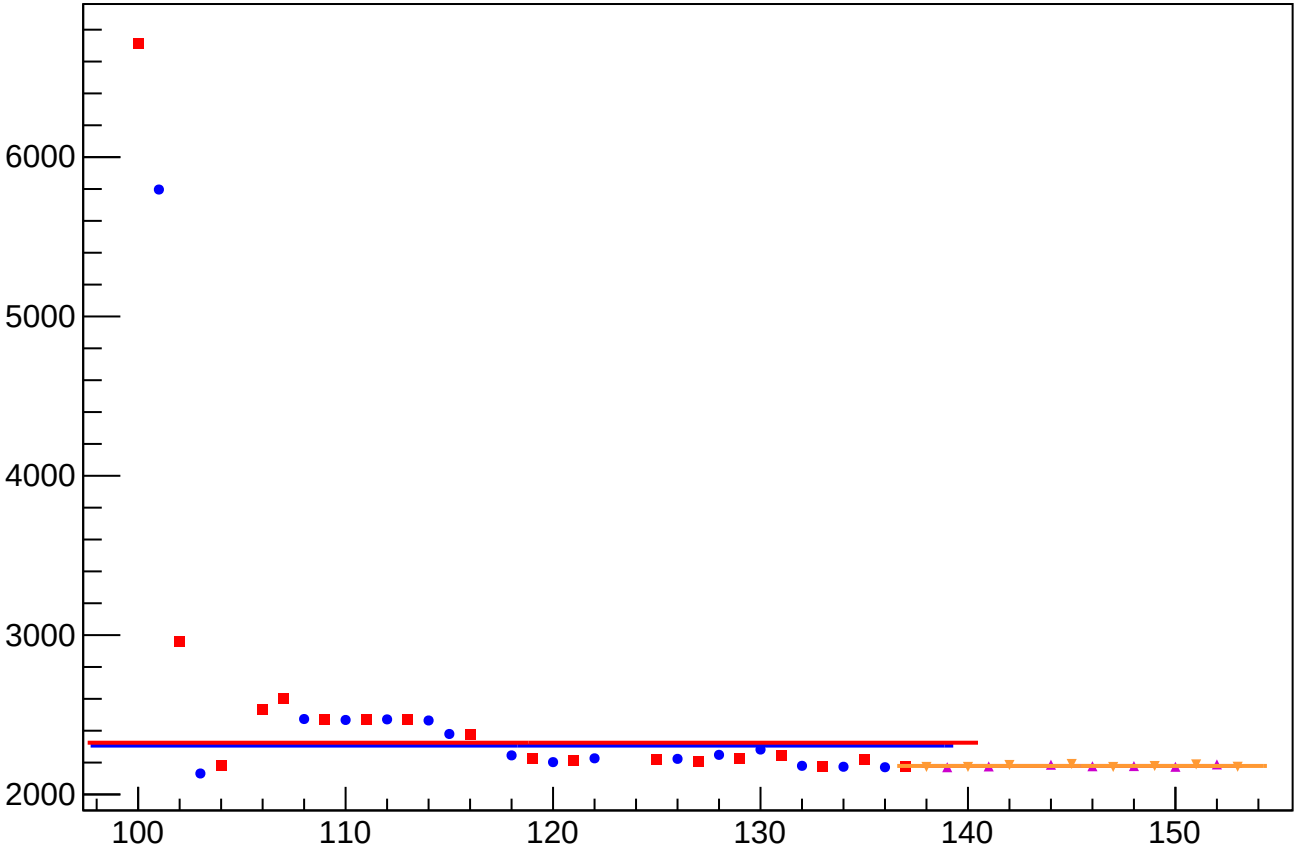
Left In: 1270.409+/-879.275 χ^2/NDF:11.2/6

+ sign -698.171+/-617.613 χ^2/NDF: 23.4/23

All: 153.547+/-436.928 χ^2/NDF: 51.4/48

- sign 1006.909+/-618.208 χ^2/NDF: 24.2/24

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.867+/-0.618 χ^2/NDF:140.9/7

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

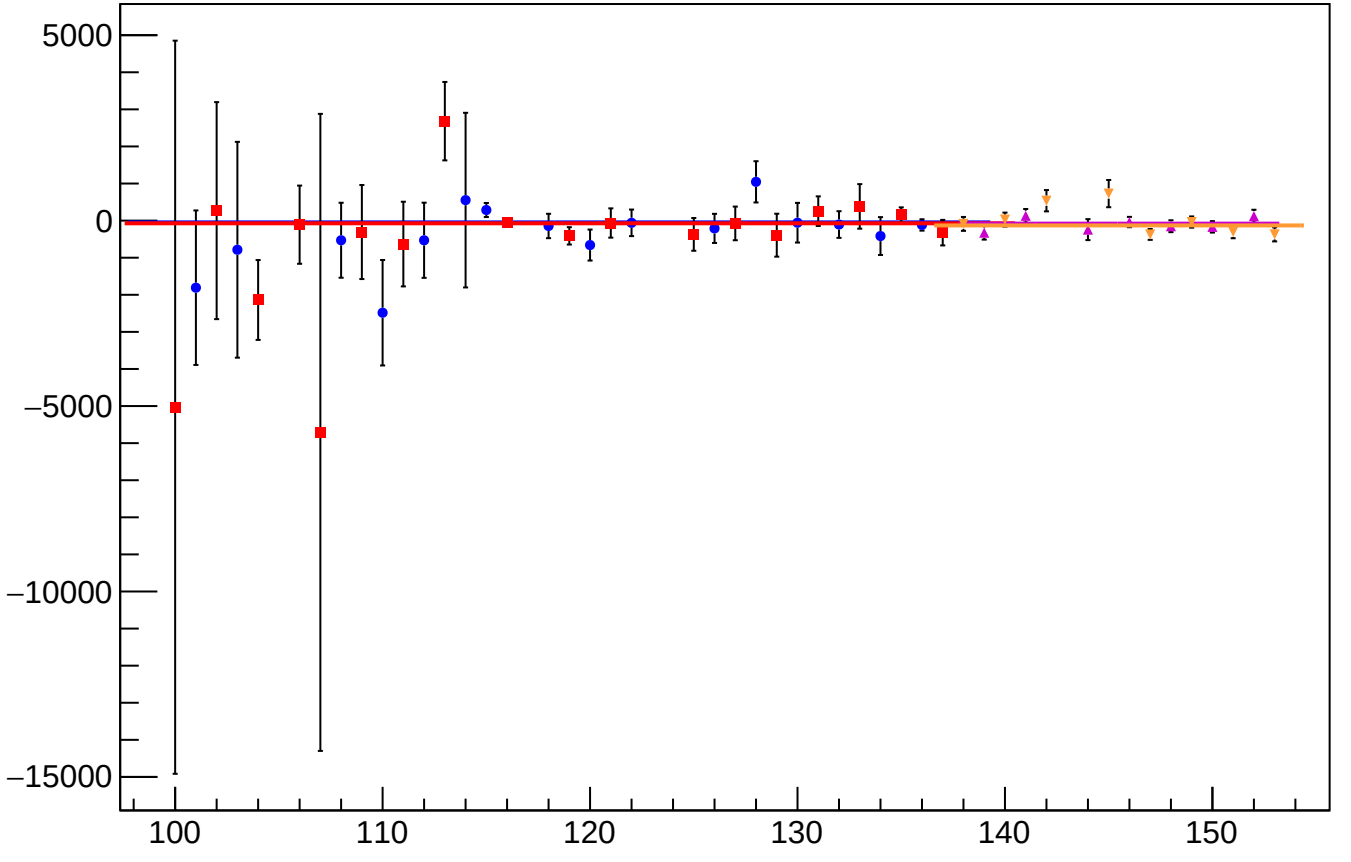
Left In: 2178.698+/-0.622 χ^2/NDF:93.5/6

+ sign 2242.870+/-0.437 χ^2/NDF: 535692.4/23

All: 2247.690+/-0.309 χ^2/NDF: 717487.0/48

- sign 2252.519+/-0.437 χ^2/NDF: 181550.7/24

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -129.608+/-66.202 χ^2/NDF:17.3/7

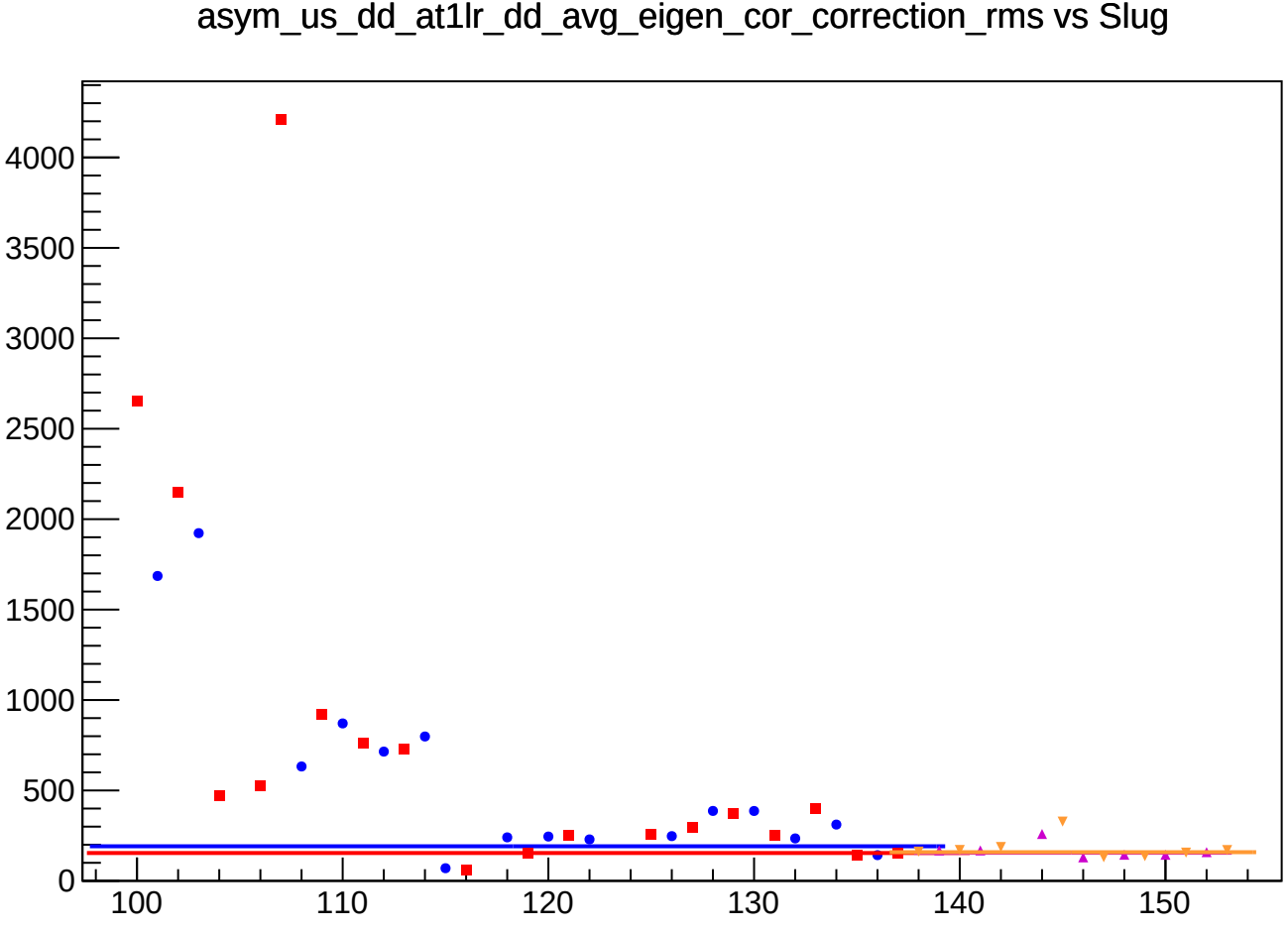
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -81.444+/-64.921 χ^2/NDF:5.3/6

+ sign -101.318+/-53.518 χ^2/NDF: 32.2/23

All: -89.039+/-36.912 χ^2/NDF: 55.1/48

- sign -77.899+/-50.976 χ^2/NDF: 22.8/24



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 158.728+/-0.047 χ^2/NDF:577706.4/7

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

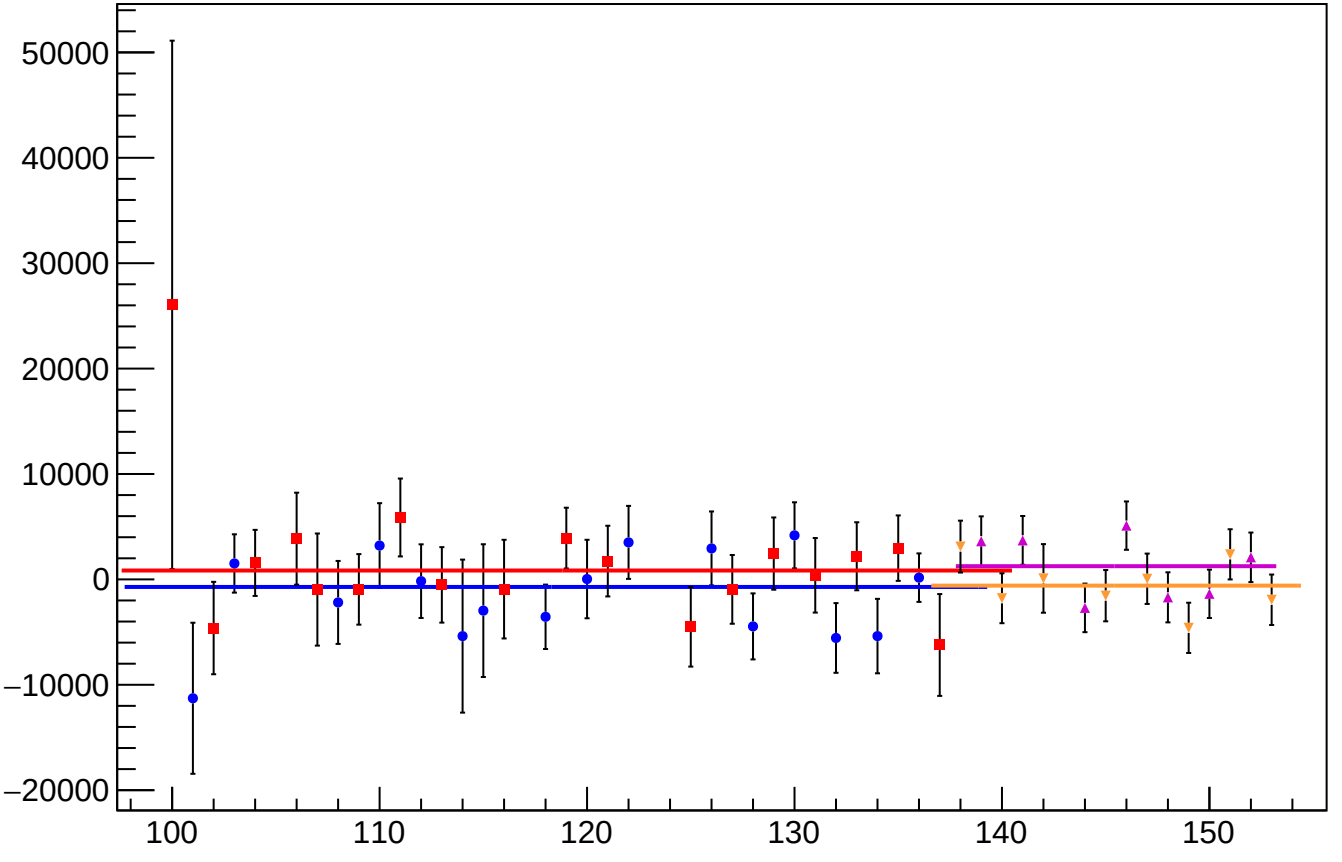
Left In: 155.523+/-0.046 χ^2/NDF:376659.7/6

+ sign 170.050+/-0.038 χ^2/NDF: 5810137.3/23

All: 162.152+/-0.026 χ^2/NDF: 12378910.8/48

- sign 154.985+/-0.036 χ^2/NDF: 6485682.2/24

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -592.441+/-873.854 χ^2/NDF:7.5/7

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

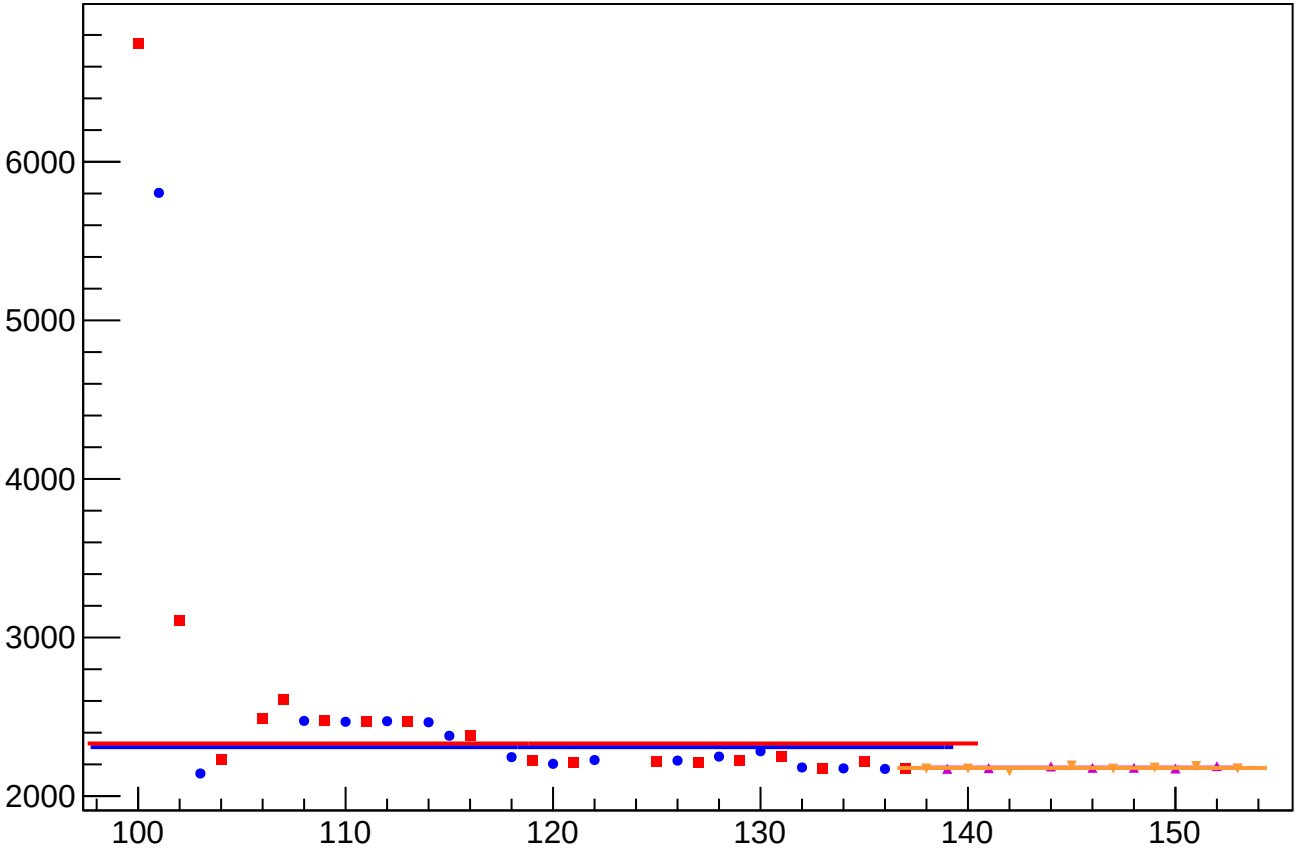
Left In: 1252.553+/-879.600 χ^2/NDF:10.9/6

+ sign -654.811+/-617.797 χ^2/NDF: 23.3/23

All: 192.768+/-437.567 χ^2/NDF: 50.3/48

- sign 1045.947+/-619.834 χ^2/NDF: 23.1/24

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2177.536+/-0.618 χ^2/NDF:228.6/7

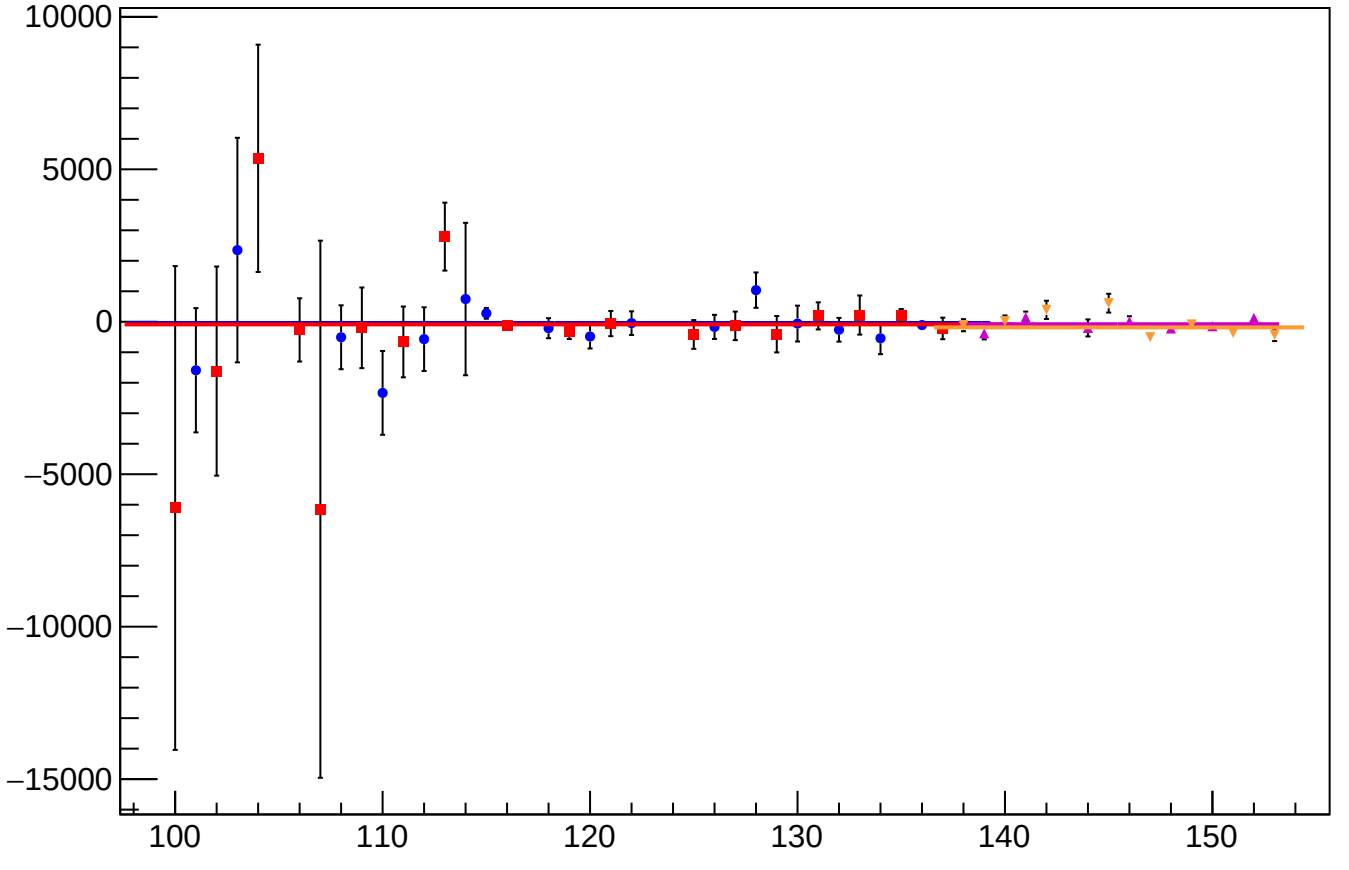
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2179.503+/-0.622 χ^2/NDF:90.8/6

+ sign 2243.161+/-0.437 χ^2/NDF: 536522.1/23

All: 2249.659+/-0.309 χ^2/NDF: 734582.2/48

- sign 2256.199+/-0.438 χ^2/NDF: 197616.3/24



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -183.795+/-67.117 χ^2/NDF:19.0/7

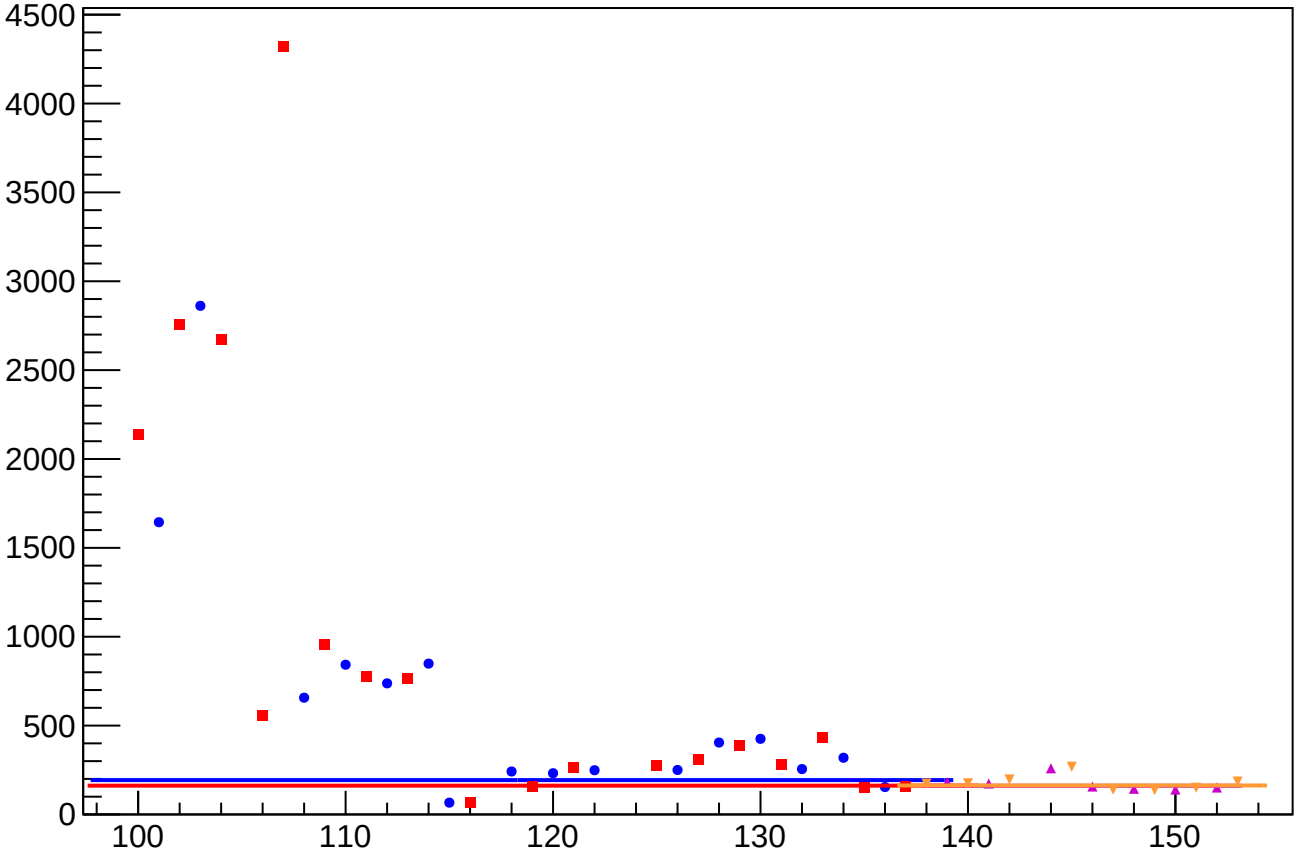
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -80.537+/-66.513 χ^2/NDF:6.9/6

+ sign -134.178+/-54.305 χ^2/NDF: 34.6/23

All: -107.645+/-37.795 χ^2/NDF: 56.9/48

- sign -82.720+/-52.634 χ^2/NDF: 21.8/24



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 163.053+/-0.047 χ^2/NDF:414685.0/7

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

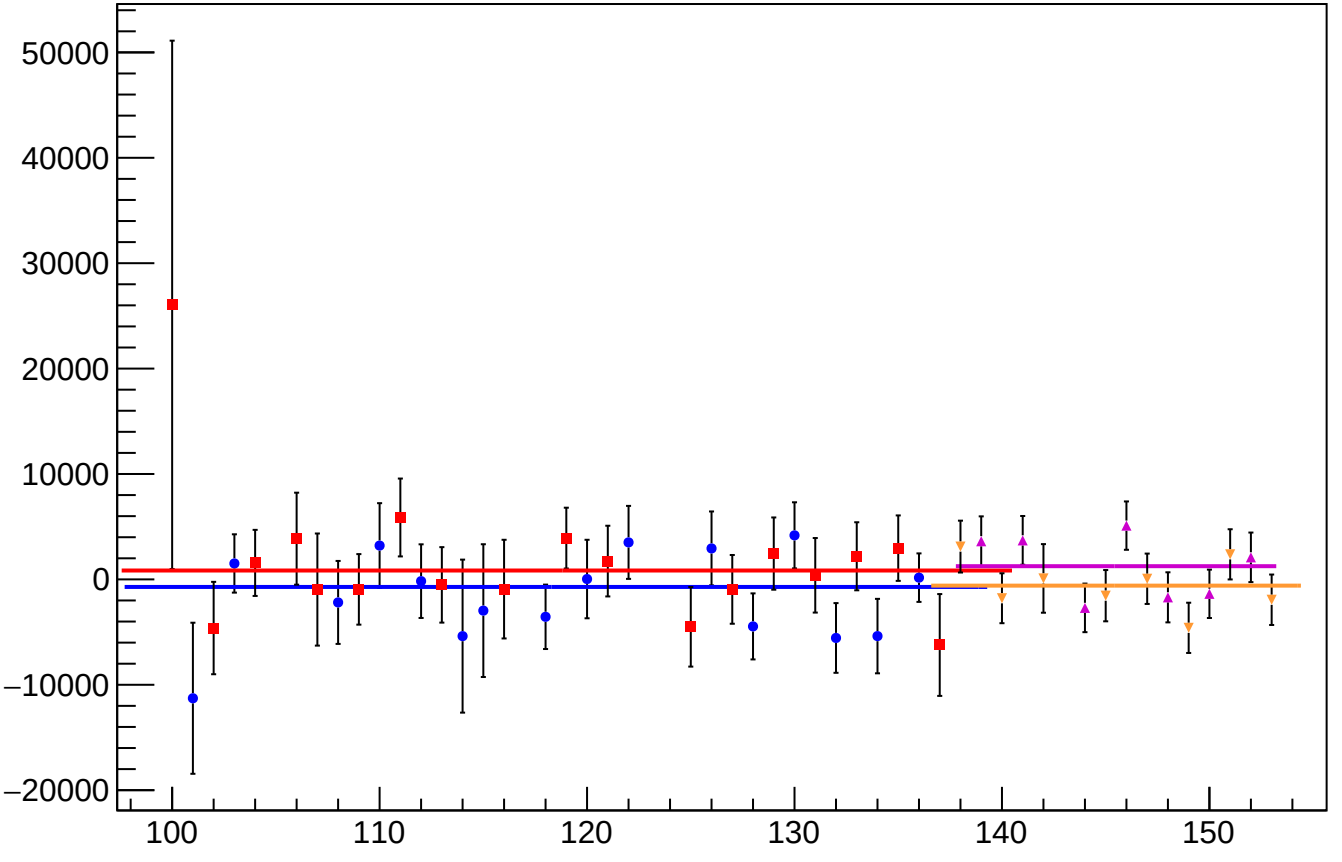
Left In: 161.287+/-0.047 χ^2/NDF:350108.6/6

+ sign 173.483+/-0.038 χ^2/NDF: 6172396.2/23

All: 167.354+/-0.027 χ^2/NDF: 13642519.7/48

- sign 161.596+/-0.037 χ^2/NDF: 7420713.3/24

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -592.443+/-873.854 χ^2/NDF:7.5/7

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

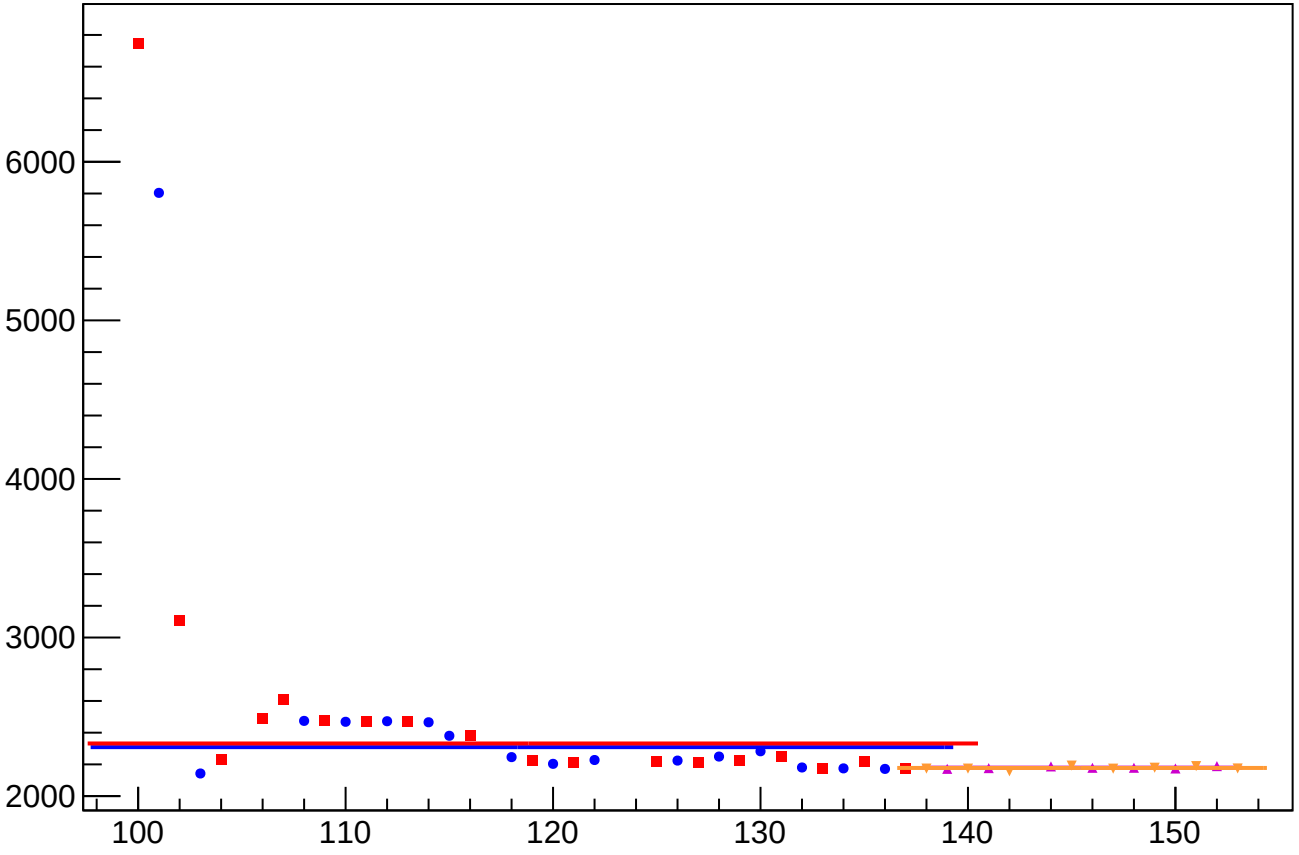
Left In: 1252.553+/-879.600 χ^2/NDF:10.9/6

+ sign -654.813+/-617.797 χ^2/NDF: 23.3/23

All: 192.768+/-437.567 χ^2/NDF: 50.3/48

- sign 1045.948+/-619.834 χ^2/NDF: 23.1/24

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2177.536+/-0.618 χ^2/NDF:228.6/7

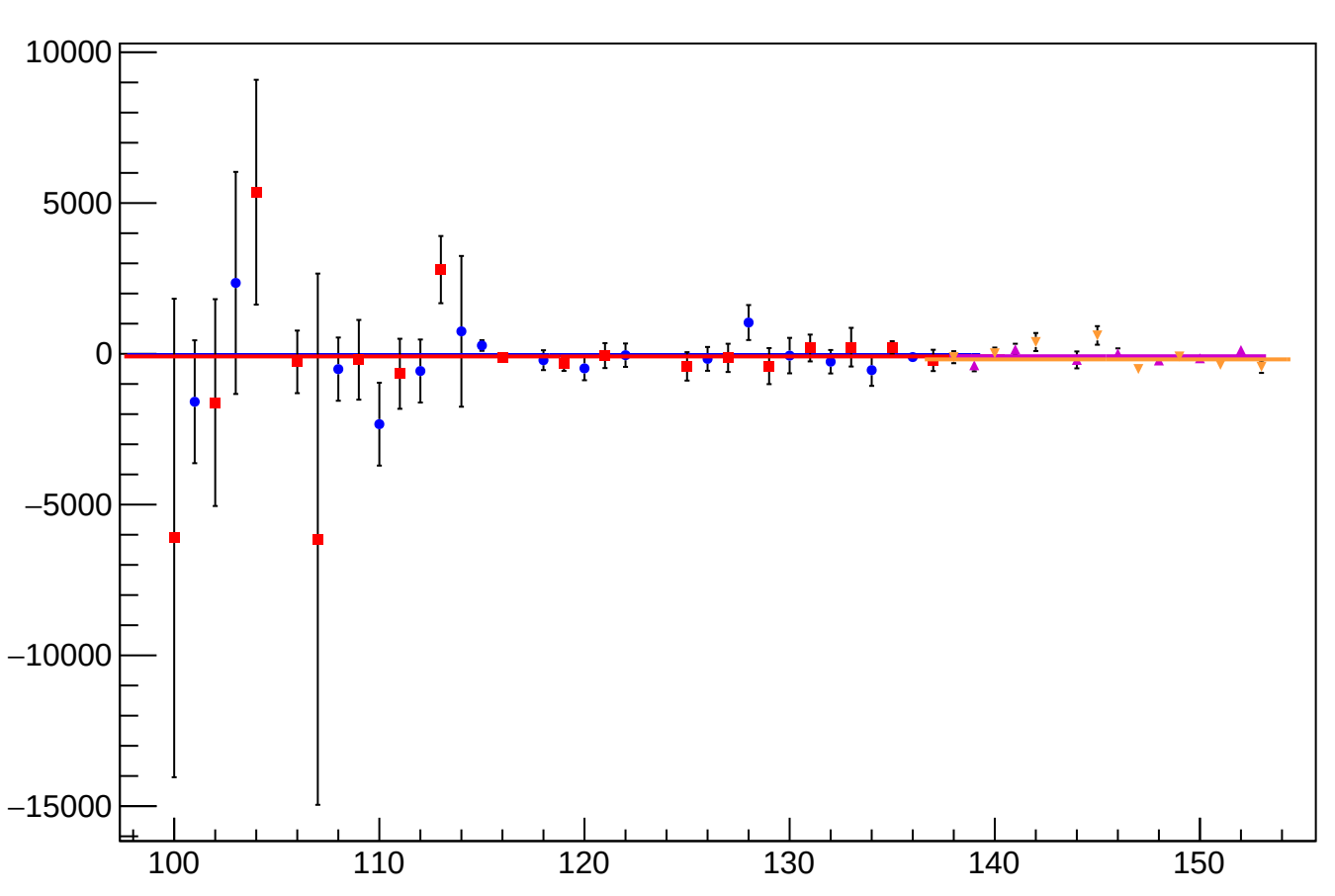
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2179.503+/-0.622 χ^2/NDF:90.8/6

+ sign 2243.161+/-0.437 χ^2/NDF: 536522.1/23

All: 2249.659+/-0.309 χ^2/NDF: 734582.1/48

- sign 2256.199+/-0.438 χ^2/NDF: 197616.1/24



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -183.796+/-67.117 χ^2/NDF:19.0/7

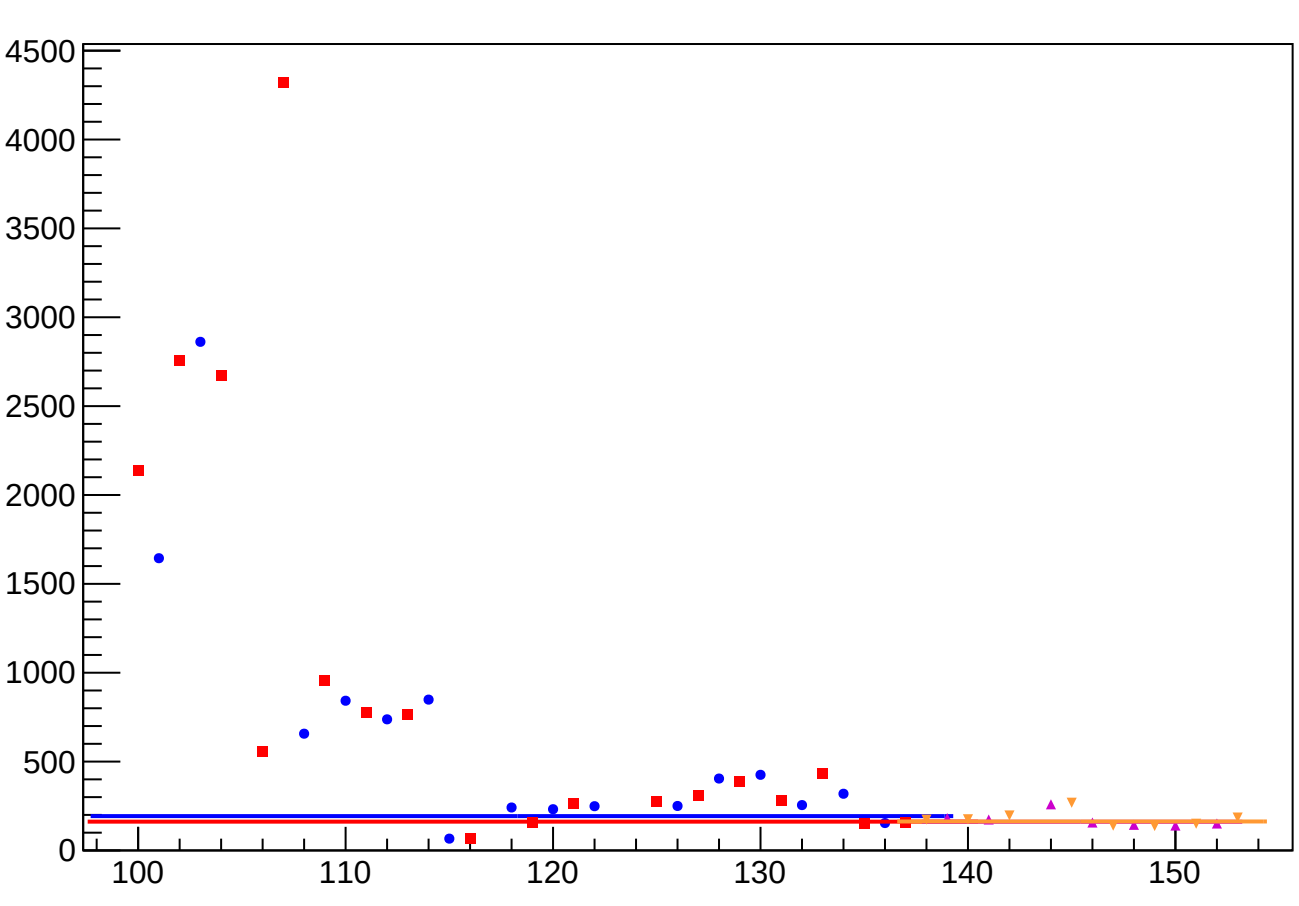
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -80.534+/-66.513 χ^2/NDF:6.9/6

+ sign -134.177+/-54.305 χ^2/NDF: 34.6/23

All: -107.644+/-37.795 χ^2/NDF: 56.9/48

- sign -82.719+/-52.633 χ^2/NDF: 21.8/24



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 163.054+/-0.047 χ^2/NDF:414671.9/7

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

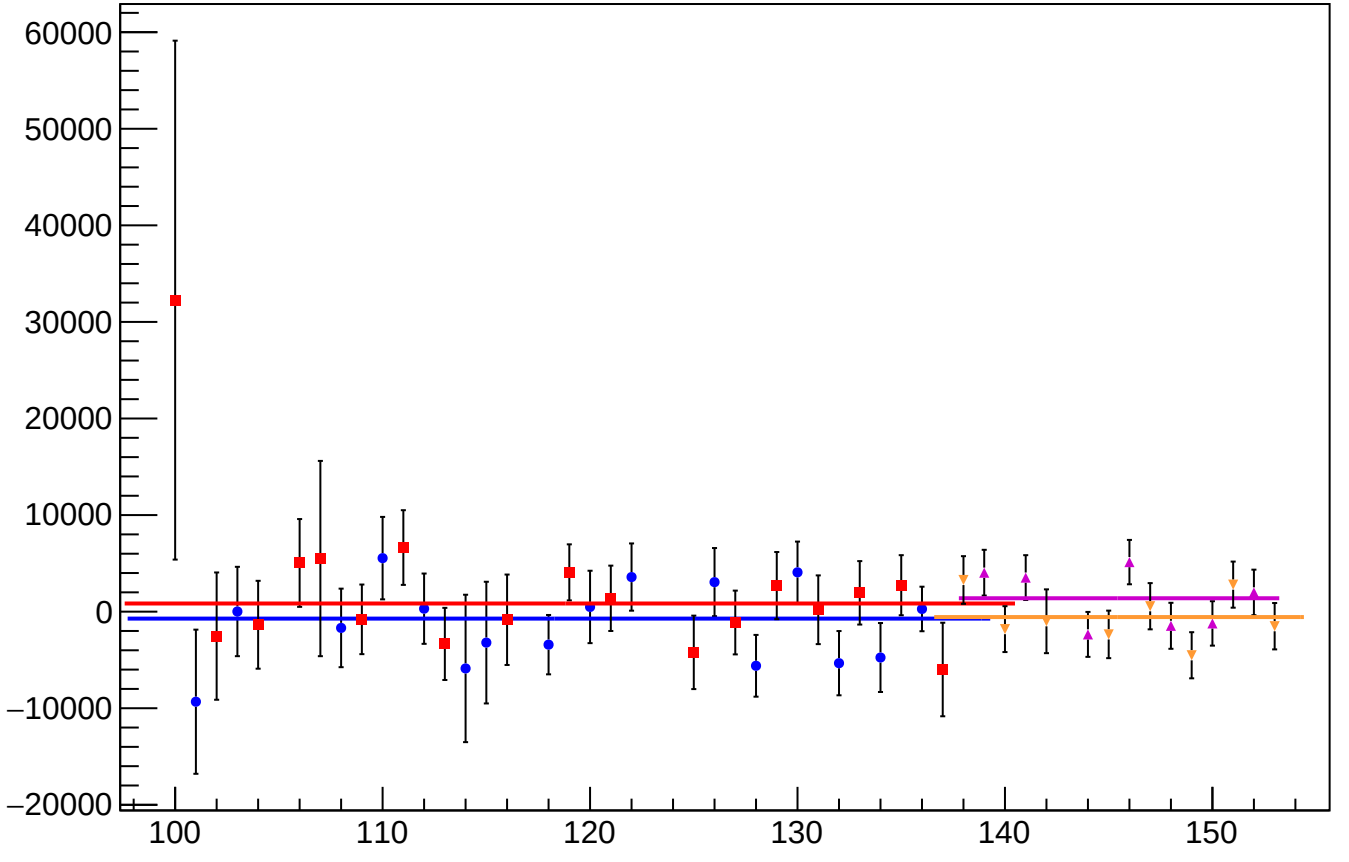
Left In: 161.288+/-0.047 χ^2/NDF:350102.9/6

+ sign 173.483+/-0.038 χ^2/NDF: 6172392.4/23

All: 167.354+/-0.027 χ^2/NDF: 13642571.2/48

- sign 161.596+/-0.037 χ^2/NDF: 7420765.6/24

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -560.238+/-877.897 χ^2/NDF:8.3/7

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

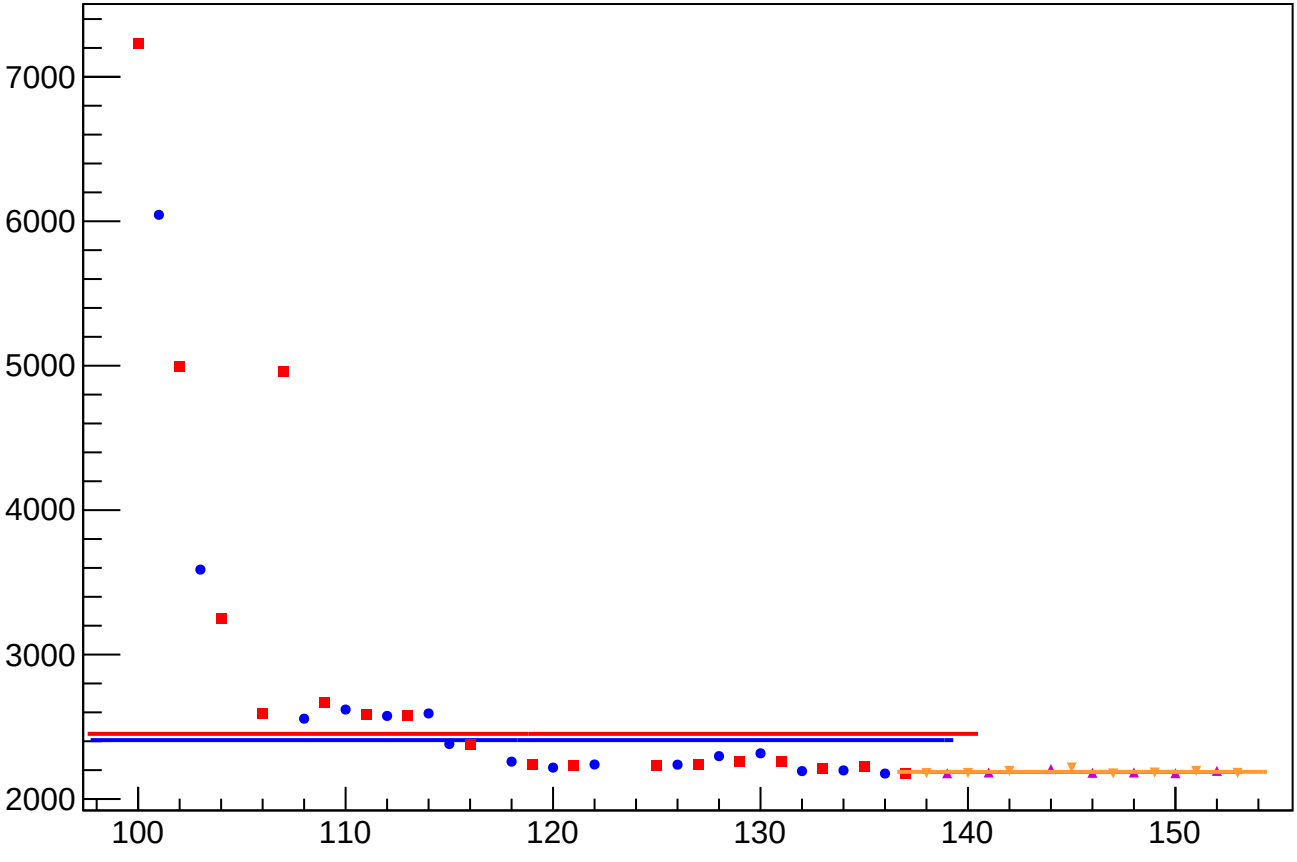
Left In: 1387.934+/-882.641 χ^2/NDF:10.1/6

+ sign -636.499+/-633.885 χ^2/NDF: 24.1/23

All: 238.653+/-450.296 χ^2/NDF: 51.2/48

- sign 1130.175+/-639.786 χ^2/NDF: 23.3/24

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2188.002+/-0.621 χ^2/NDF:427.2/7

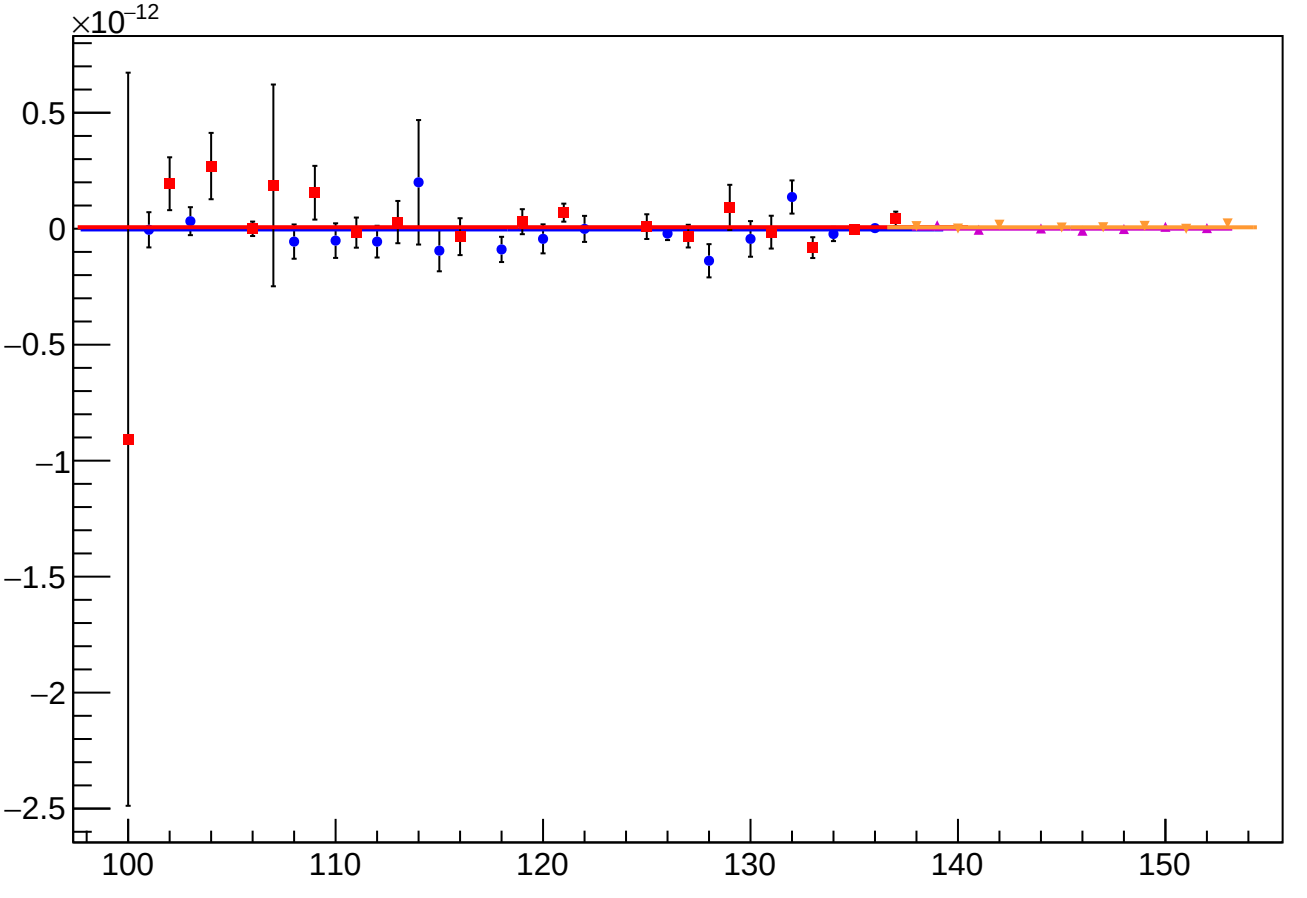
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.017+/-0.624 χ^2/NDF:250.4/6

+ sign 2293.205+/-0.448 χ^2/NDF: 737322.6/23

All: 2302.709+/-0.318 χ^2/NDF: 1457106.8/48

- sign 2312.390+/-0.452 χ^2/NDF: 718876.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/7

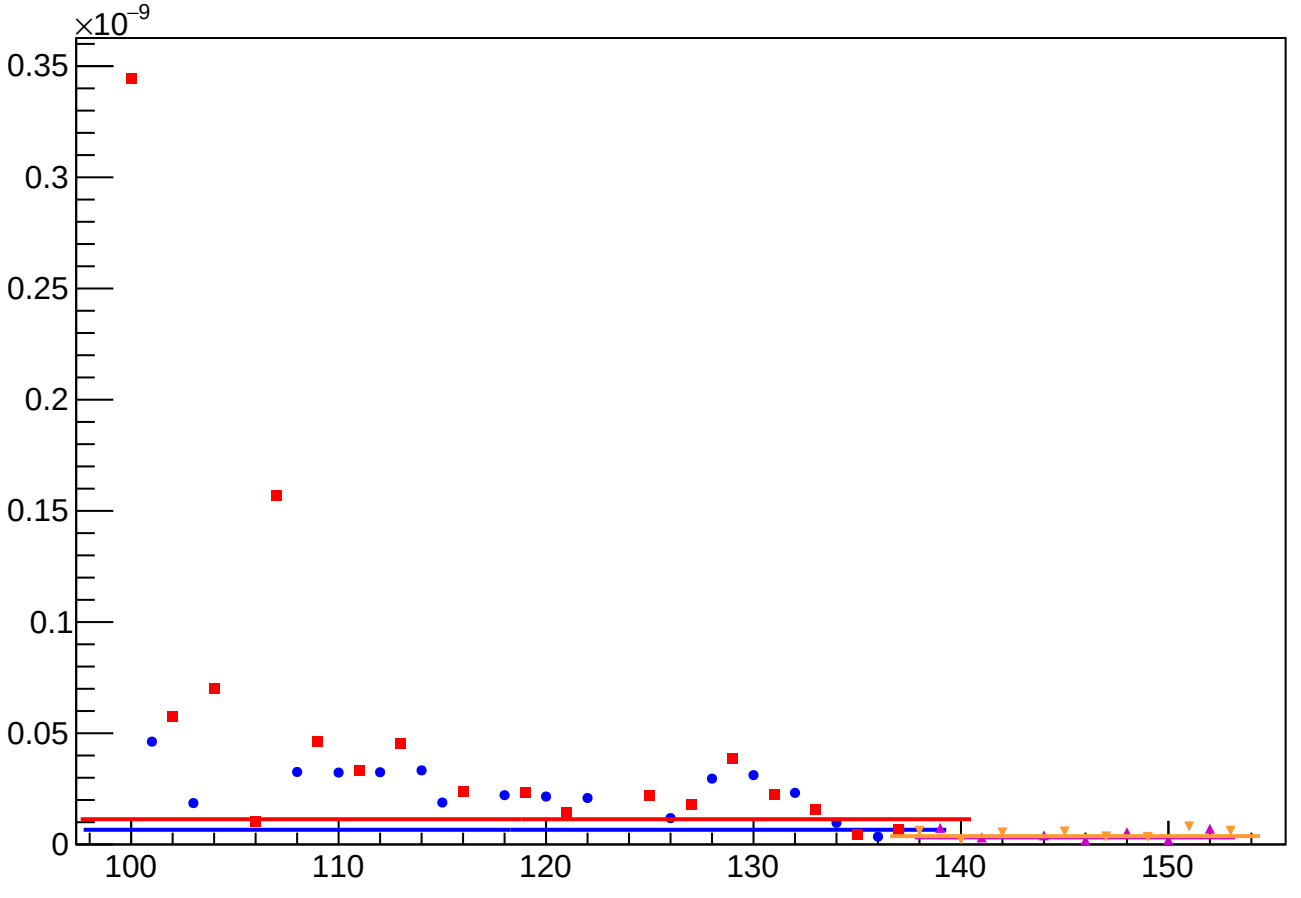
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:7.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/23

All: 0.000+/-0.000 χ^2/NDF: 51.6/48

- sign 0.000+/-0.000 χ^2/NDF: 27.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:850951.1/7

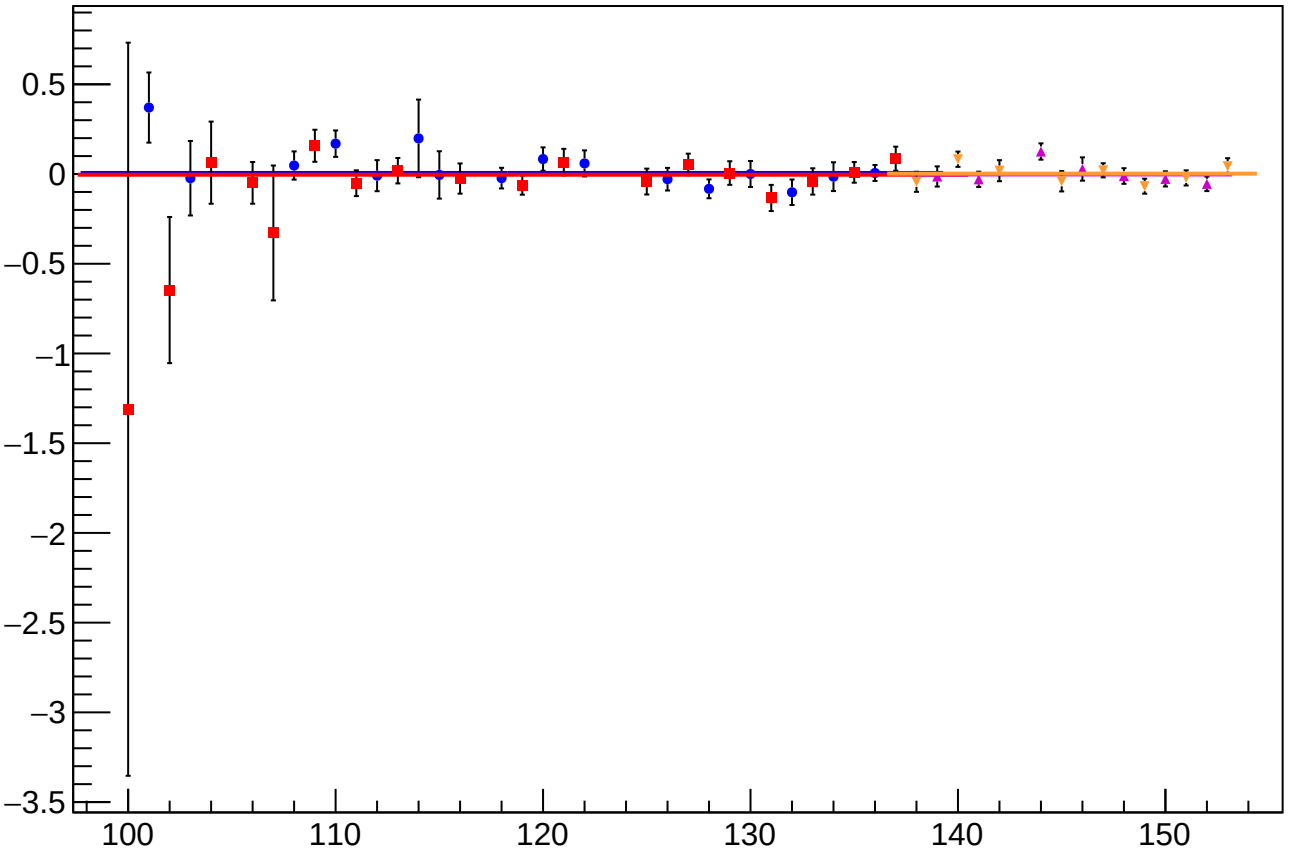
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:781851.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 4055889.3/23

All: 0.000+/-0.000 χ^2/NDF: 8890313.4/48

- sign 0.000+/-0.000 χ^2/NDF: 4795535.7/24



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.002+/-0.016 χ^2/NDF:9.0/7

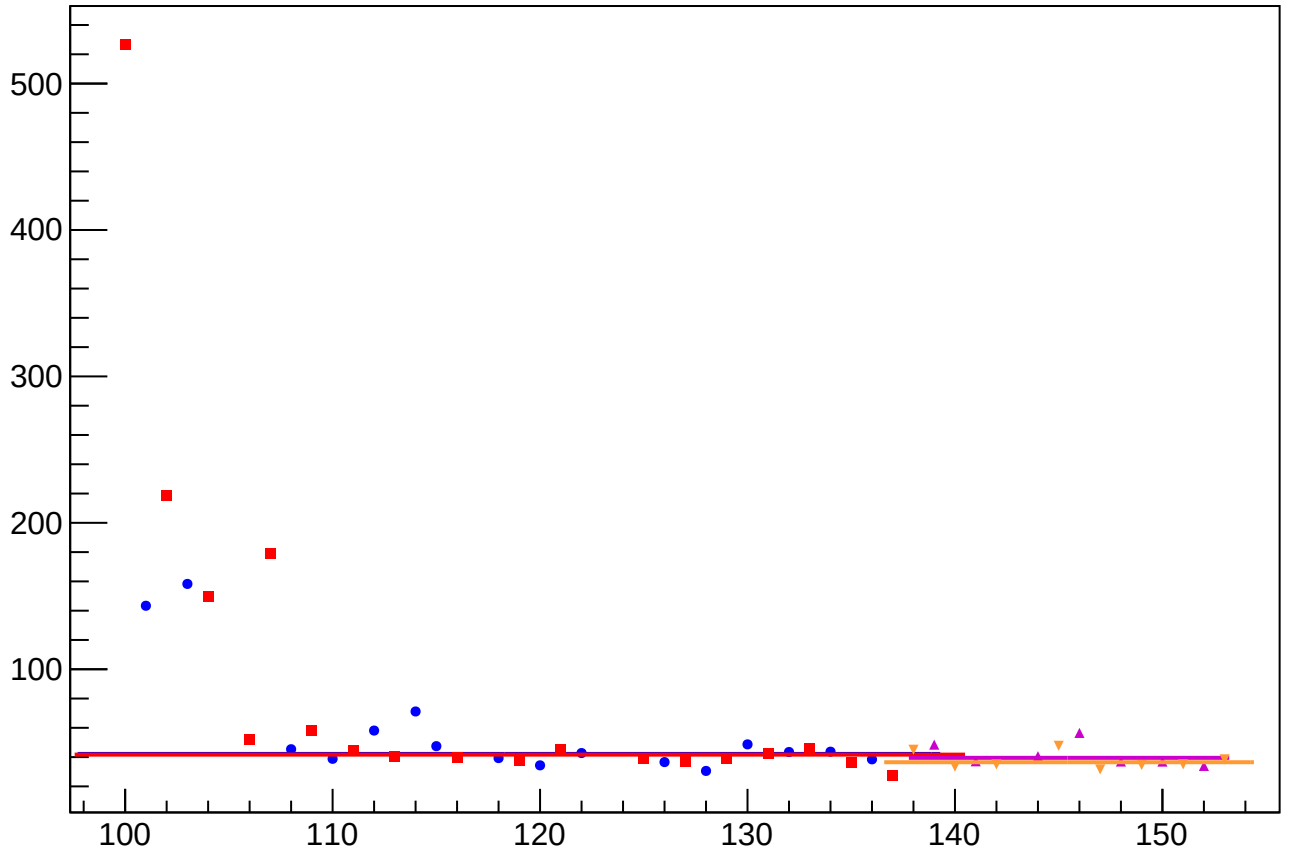
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.002+/-0.017 χ^2/NDF:10.6/6

+ sign 0.004+/-0.012 χ^2/NDF: 26.3/23

All: 0.001+/-0.009 χ^2/NDF: 53.3/48

- sign -0.003+/-0.013 χ^2/NDF: 26.9/24



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.496+/-0.012 χ^2/NDF:177807.5/7

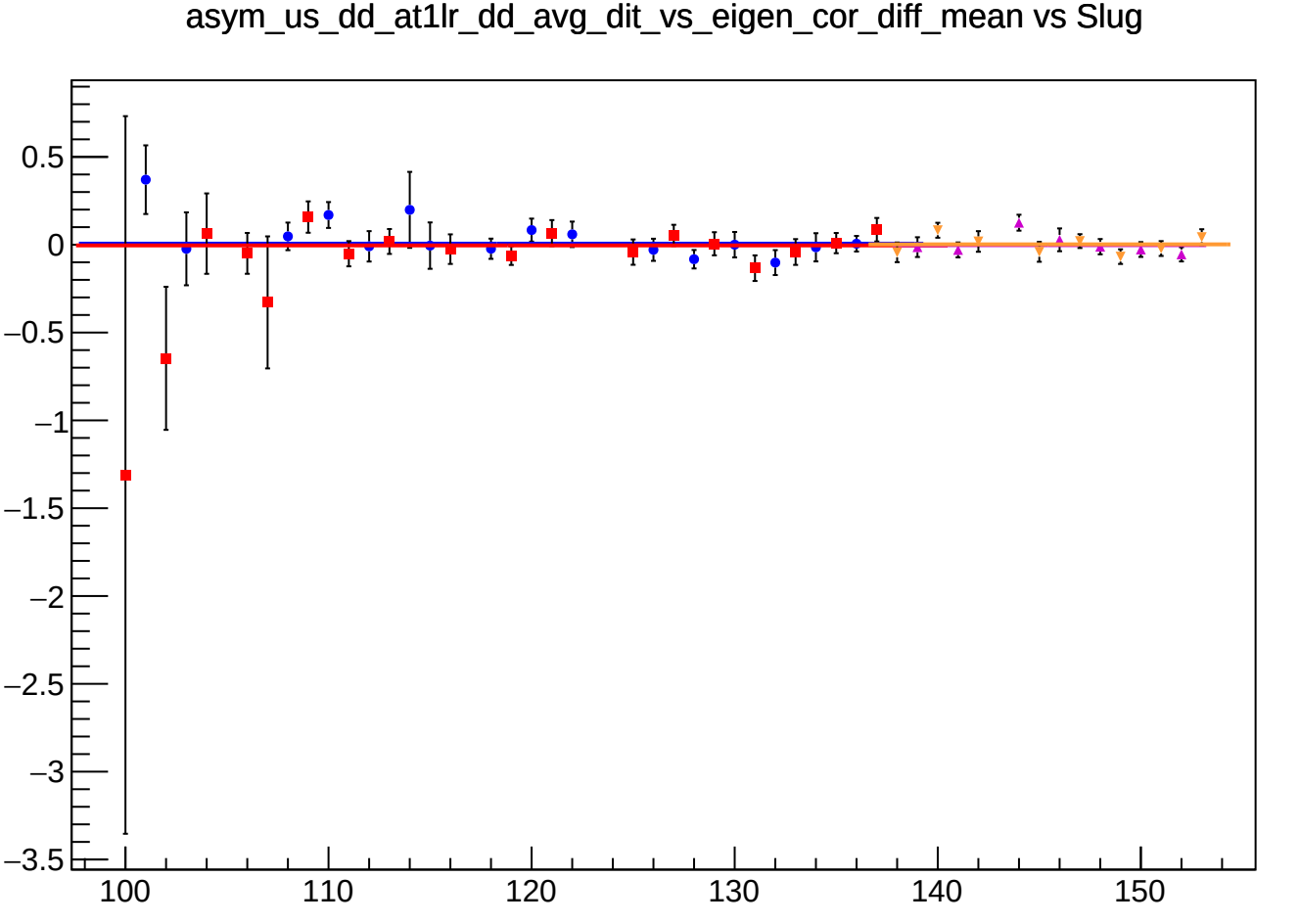
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.501+/-0.012 χ^2/NDF:247123.2/6

\+ sign 39.019+/-0.009 χ^2/NDF: 1739209.5/23

All: 39.740+/-0.006 χ^2/NDF: 3456982.8/48

\- sign 40.526+/-0.009 χ^2/NDF: 1703108.2/24



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.002+/-0.016 χ^2/NDF:9.0/7

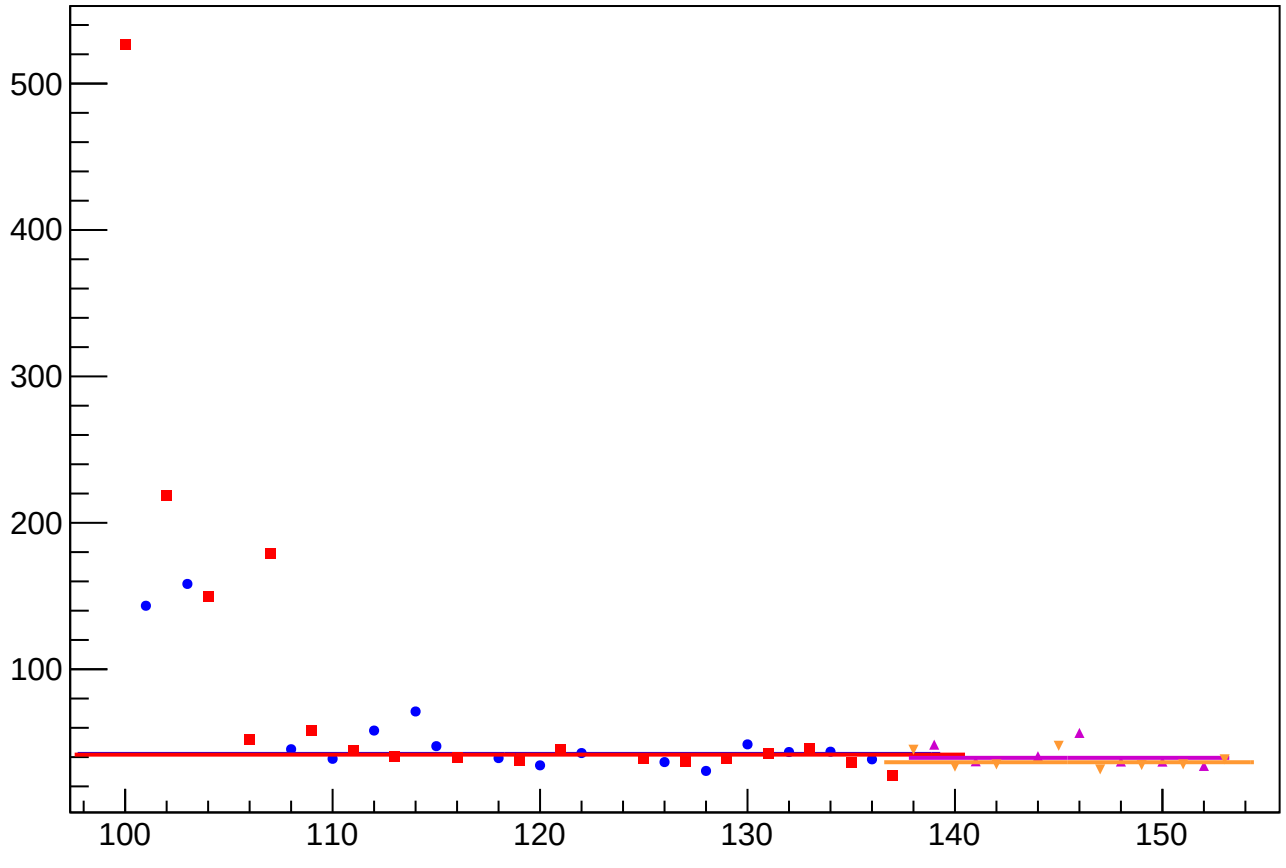
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.002+/-0.017 χ^2/NDF:10.6/6

+ sign 0.004+/-0.012 χ^2/NDF: 26.3/23

All: 0.001+/-0.009 χ^2/NDF: 53.3/48

- sign -0.003+/-0.013 χ^2/NDF: 26.9/24



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.496+/-0.012 χ^2/NDF:177807.5/7

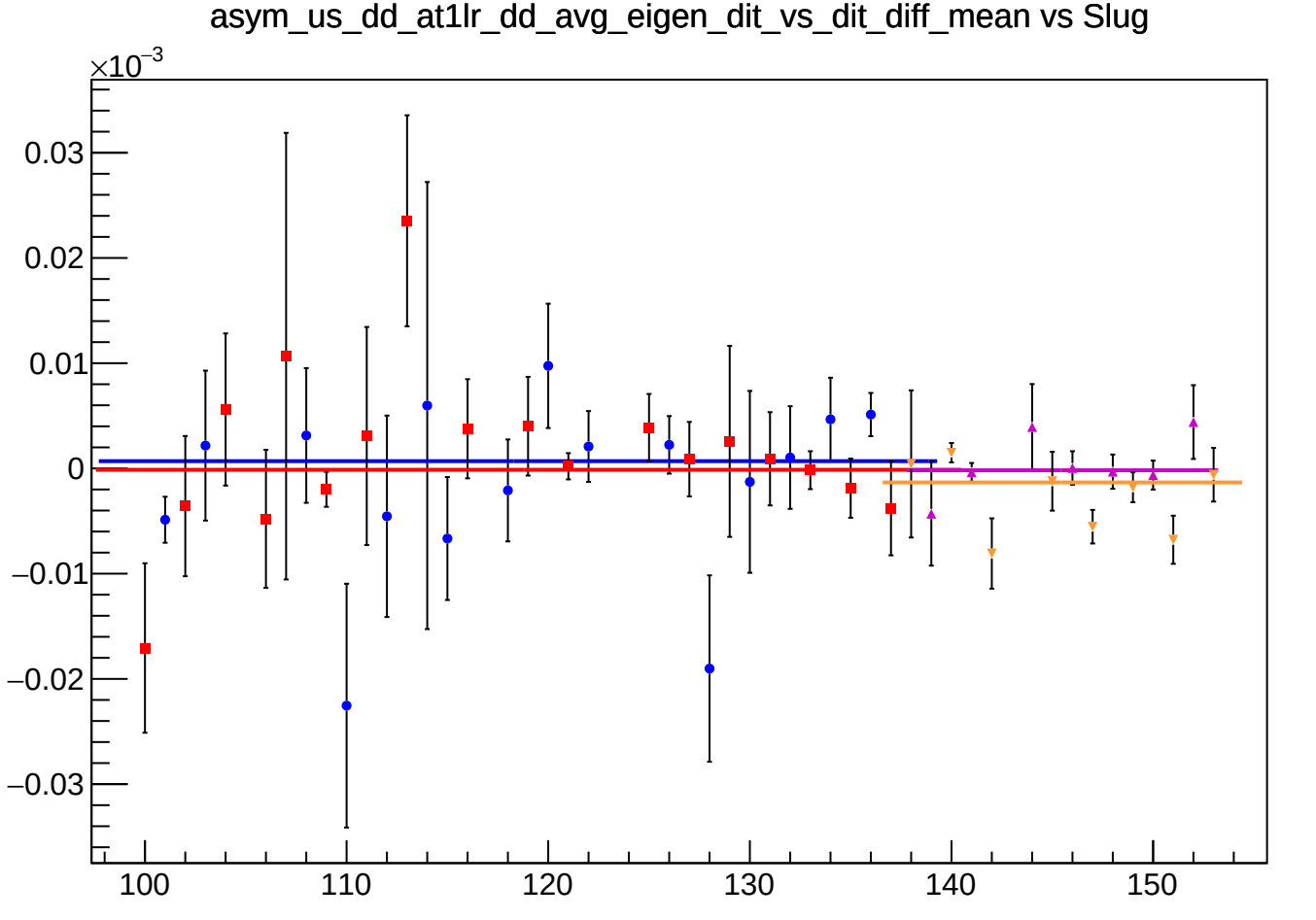
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.501+/-0.012 χ^2/NDF:247123.2/6

+ sign 39.019+/-0.009 χ^2/NDF: 1739209.5/23

All: 39.740+/-0.006 χ^2/NDF: 3456982.8/48

- sign 40.526+/-0.009 χ^2/NDF: 1703108.2/24



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/7

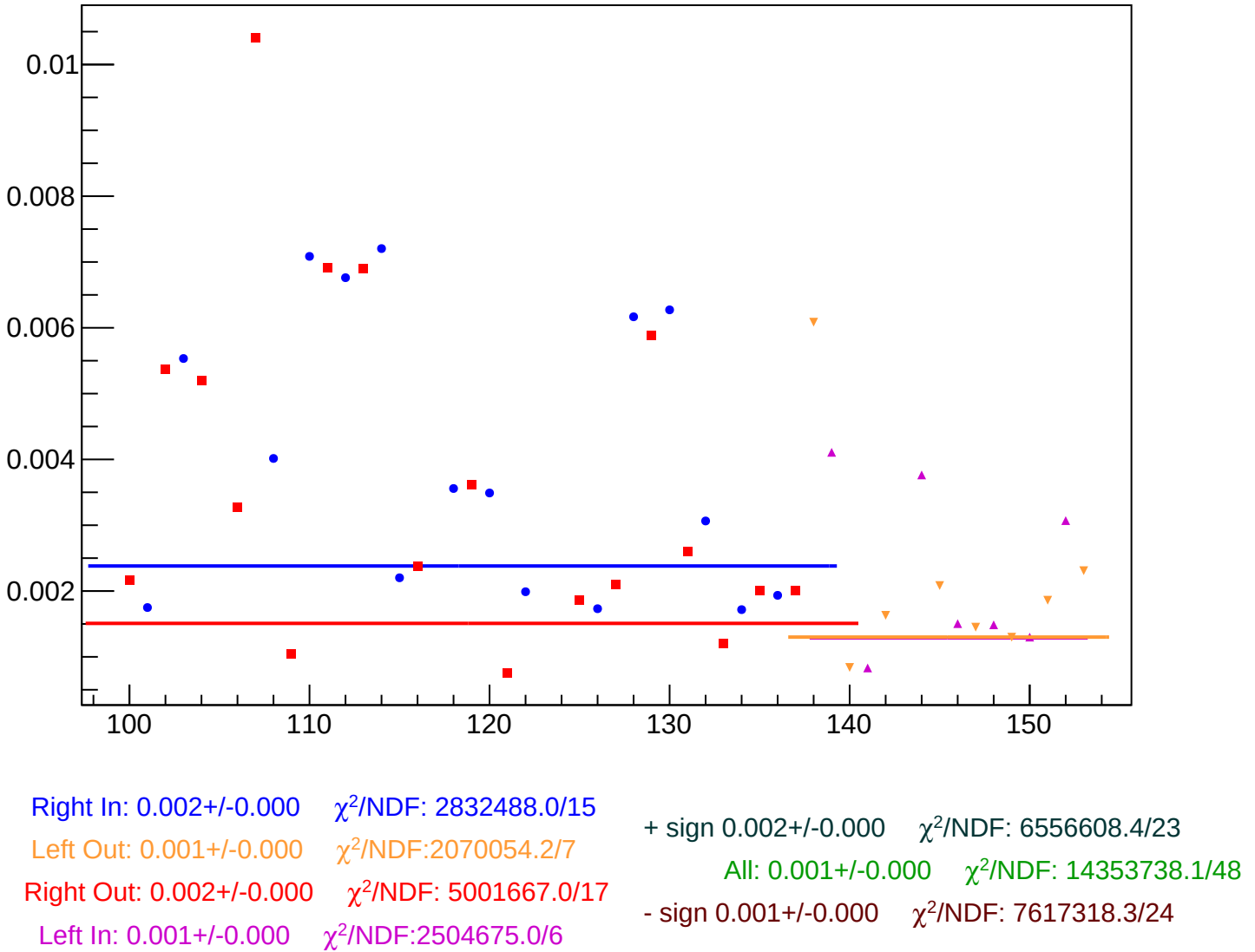
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

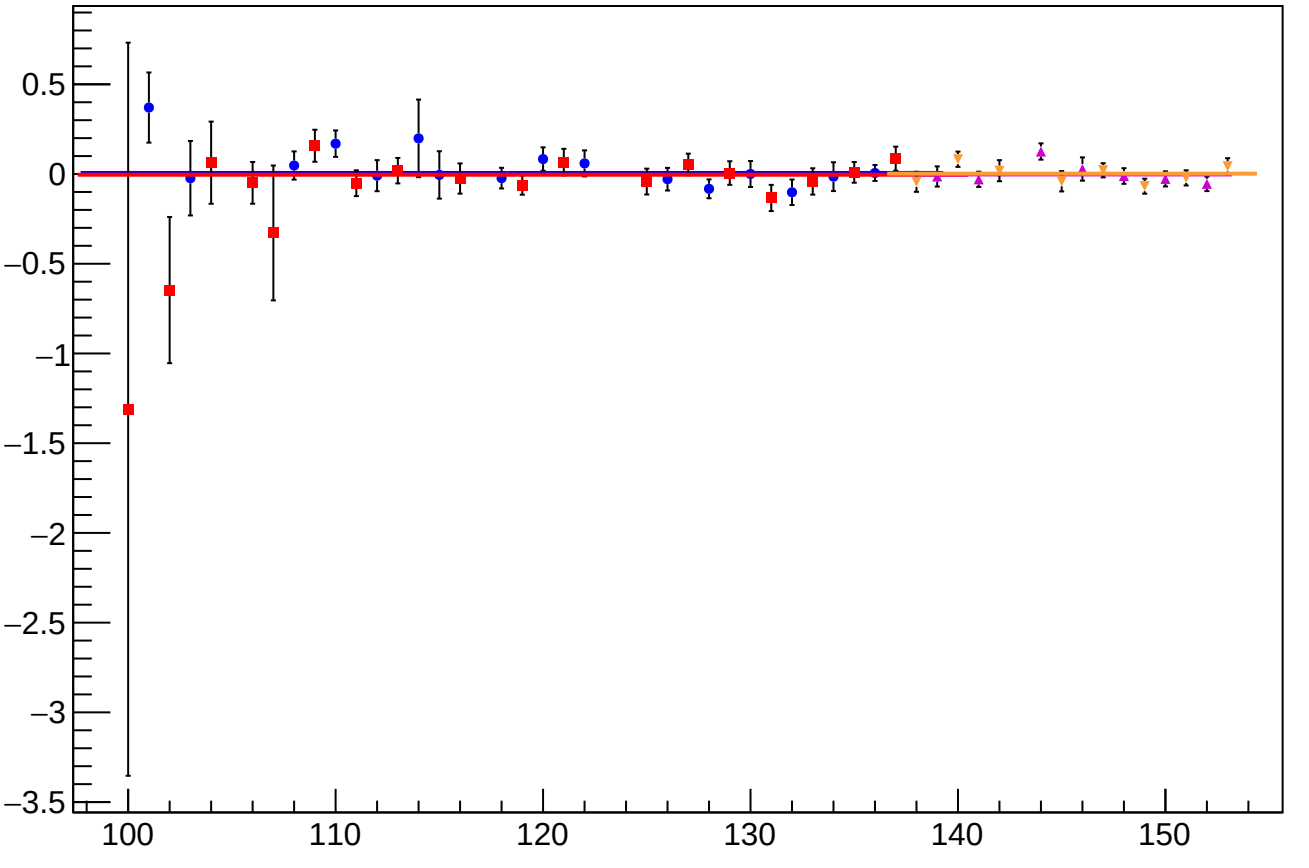
Left In: -0.000+/-0.000 χ^2/NDF:3.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 55.8/23

All: -0.000+/-0.000 χ^2/NDF: 77.7/48

- sign -0.000+/-0.000 χ^2/NDF: 21.0/24


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:2070054.2/7
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:2504675.0/6
+ sign 0.002+/-0.000 χ²/NDF: 6556608.4/23
All: 0.001+/-0.000 χ²/NDF: 14353738.1/48
- sign 0.001+/-0.000 χ²/NDF: 7617318.3/24



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.002+/-0.016 χ^2/NDF:9.0/7

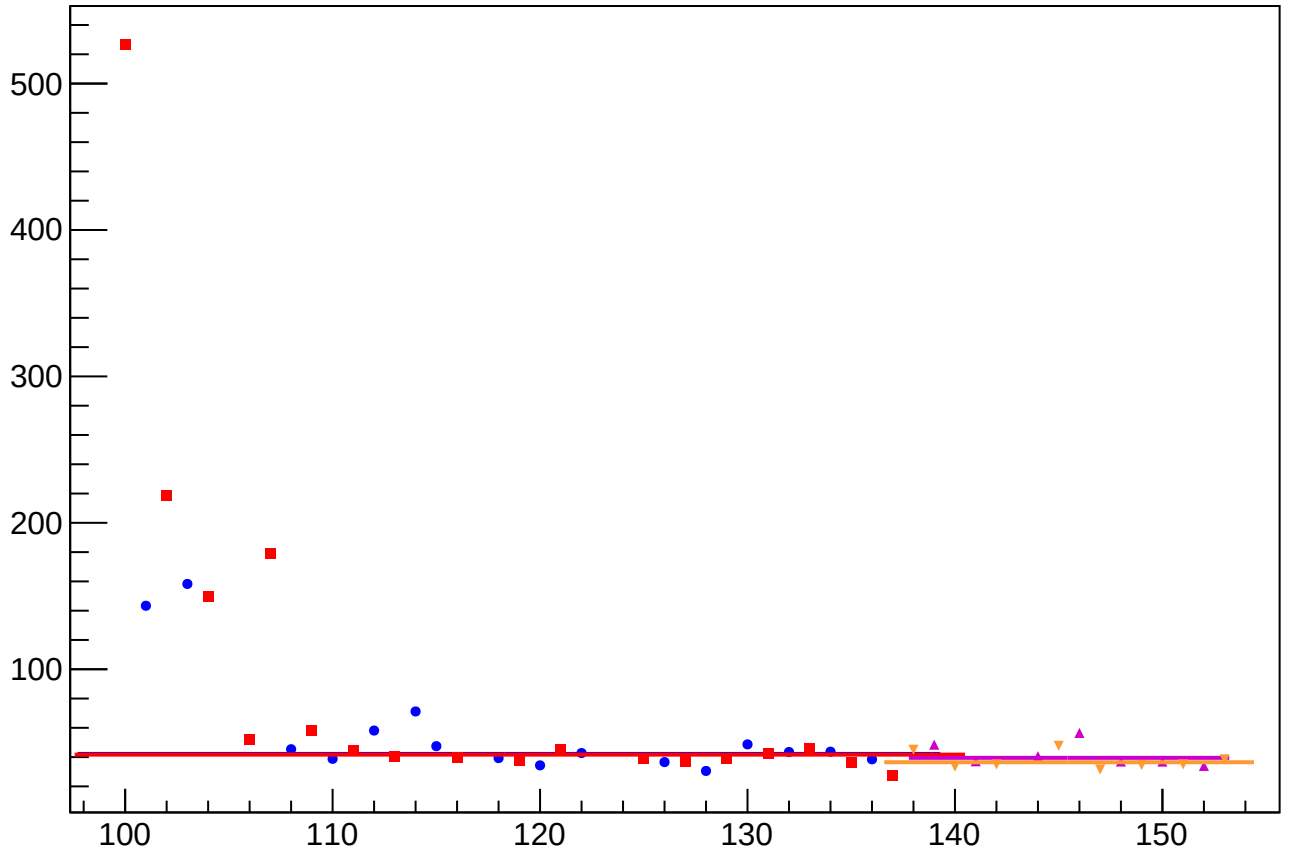
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.002+/-0.017 χ^2/NDF:10.6/6

+ sign 0.004+/-0.012 χ^2/NDF: 26.3/23

All: 0.001+/-0.009 χ^2/NDF: 53.3/48

- sign -0.003+/-0.013 χ^2/NDF: 26.9/24



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 36.496+/-0.012 χ^2/NDF:177782.2/7

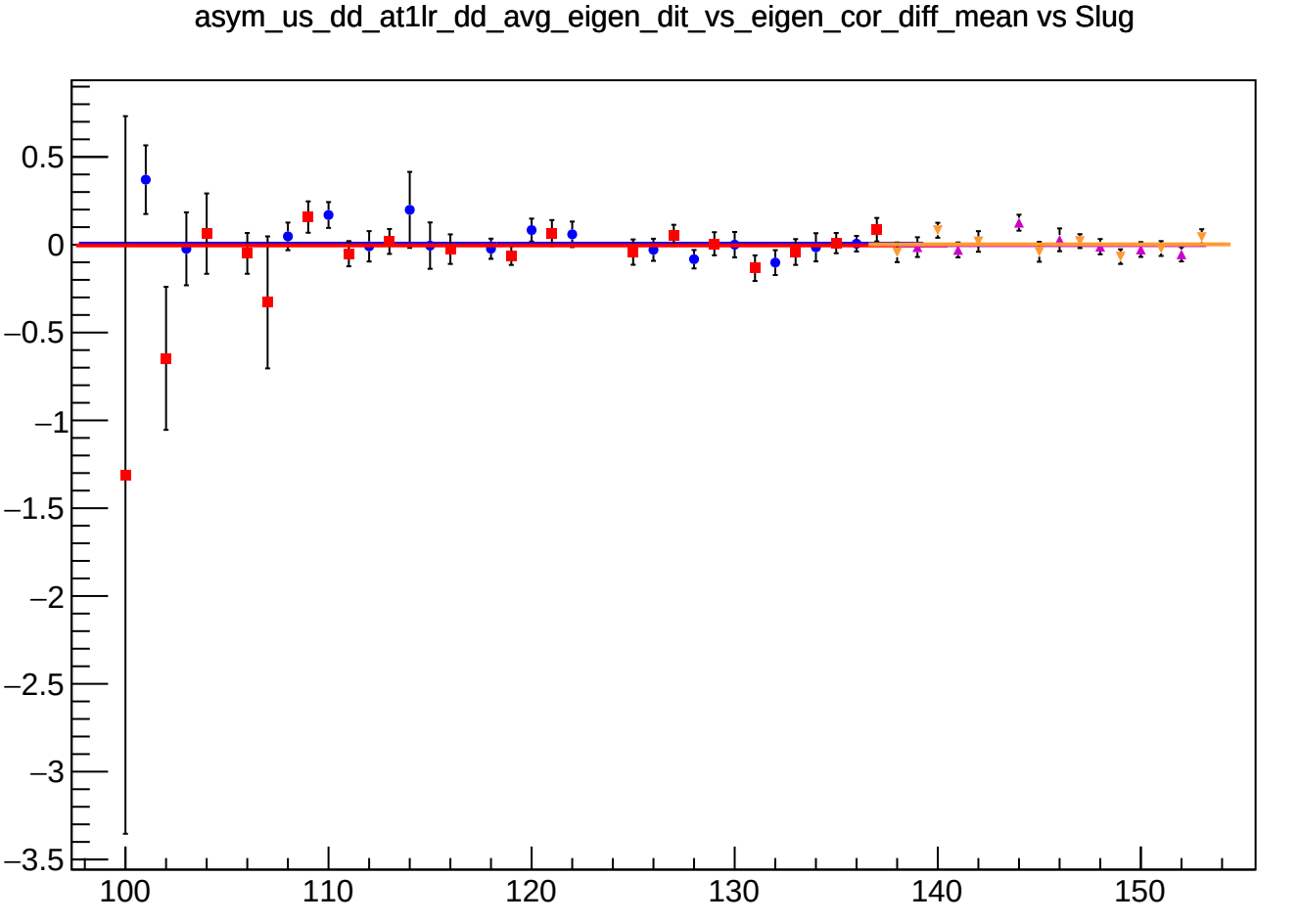
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.501+/-0.012 χ^2/NDF:247155.4/6

+ sign 39.018+/-0.009 χ^2/NDF: 1739299.3/23

All: 39.740+/-0.006 χ^2/NDF: 3457112.4/48

- sign 40.527+/-0.009 χ^2/NDF: 1703130.1/24



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.002+/-0.016 χ^2/NDF:9.0/7

Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

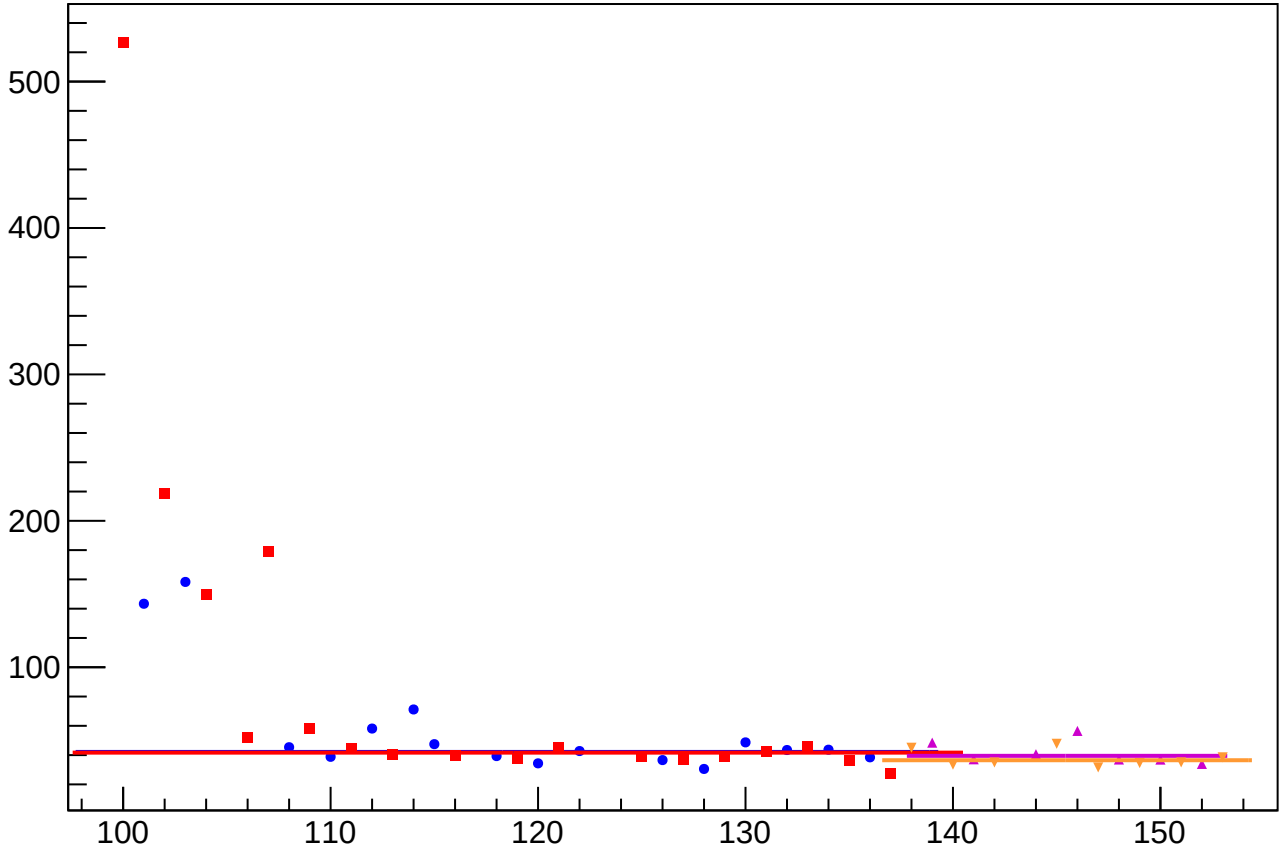
Left In: -0.002+/-0.017 χ^2/NDF:10.6/6

+ sign 0.004+/-0.012 χ^2/NDF: 26.3/23

All: 0.001+/-0.009 χ^2/NDF: 53.3/48

- sign -0.003+/-0.013 χ^2/NDF: 26.9/24

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 36.496+/-0.012 χ^2/NDF:177782.2/7

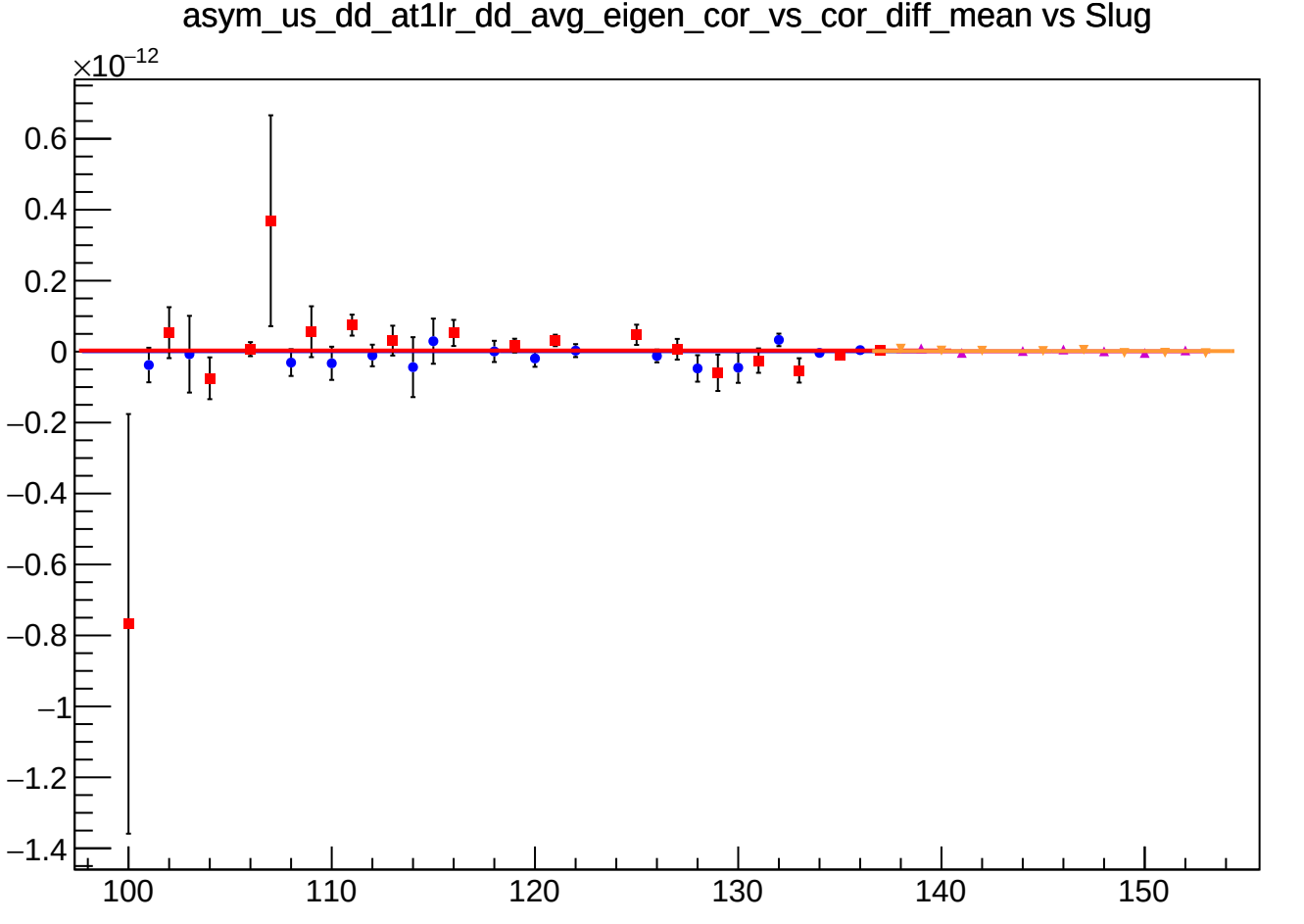
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.501+/-0.012 χ^2/NDF:247155.4/6

+ sign 39.018+/-0.009 χ^2/NDF: 1739299.3/23

All: 39.740+/-0.006 χ^2/NDF: 3457112.4/48

- sign 40.527+/-0.009 χ^2/NDF: 1703130.1/24



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/7

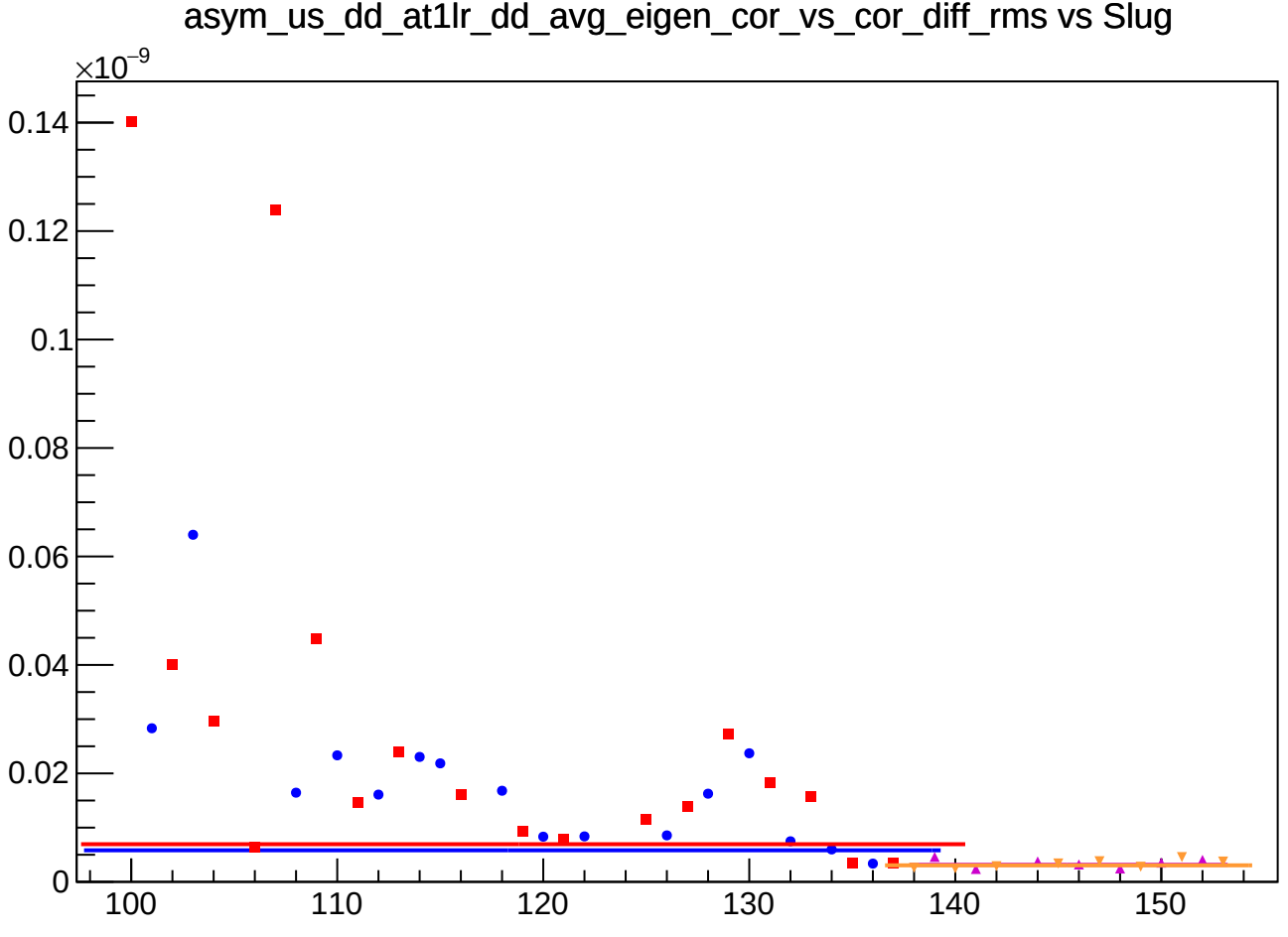
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:5.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 16.3/23

All: 0.000+/-0.000 χ^2/NDF: 50.7/48

- sign 0.000+/-0.000 χ^2/NDF: 34.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:265101.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

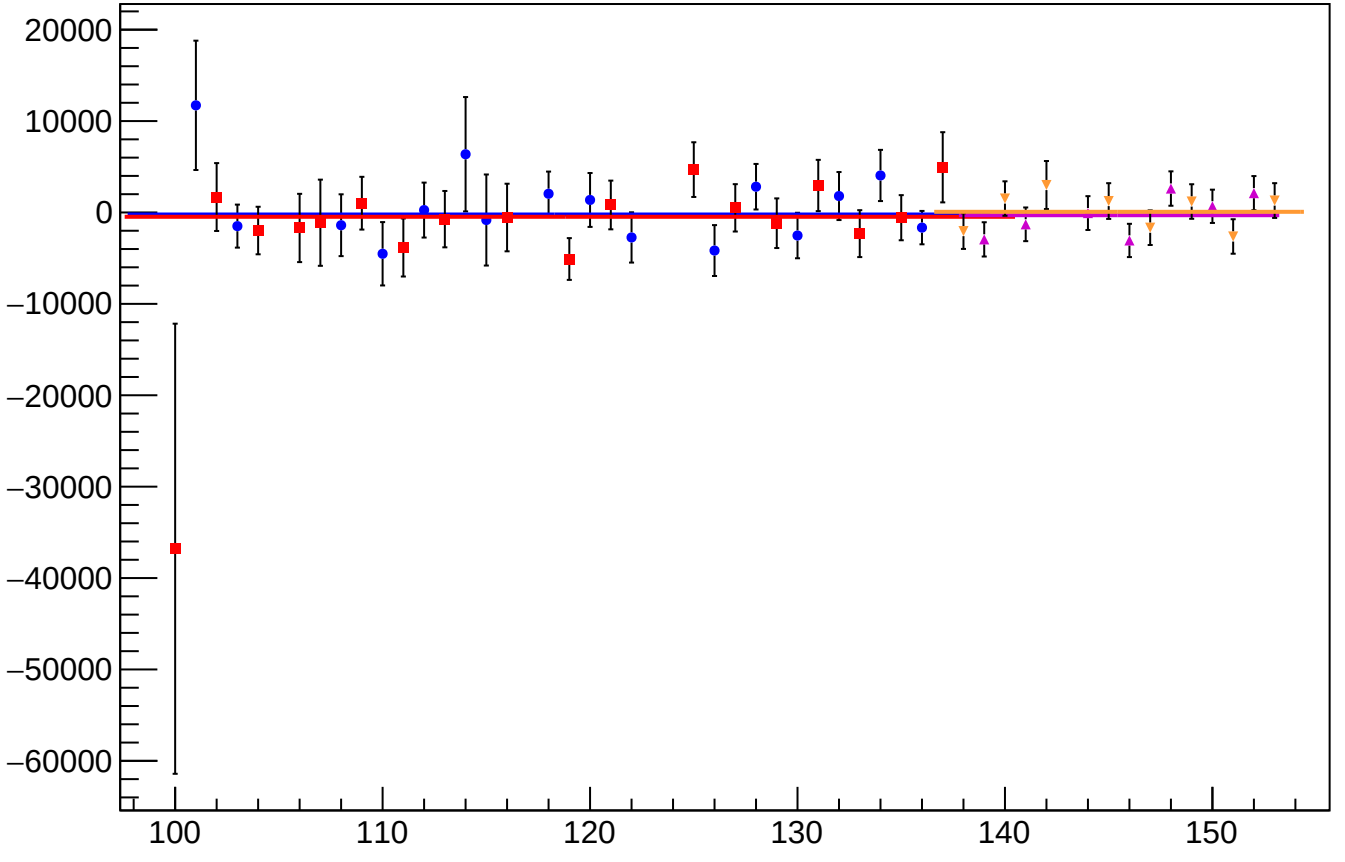
Left In: 0.000+/-0.000 χ^2/NDF:332109.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 4403103.8/23

All: 0.000+/-0.000 χ^2/NDF: 9657716.5/48

- sign 0.000+/-0.000 χ^2/NDF: 5248288.9/24

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 71.786+/-695.624 χ^2/NDF:7.0/7

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

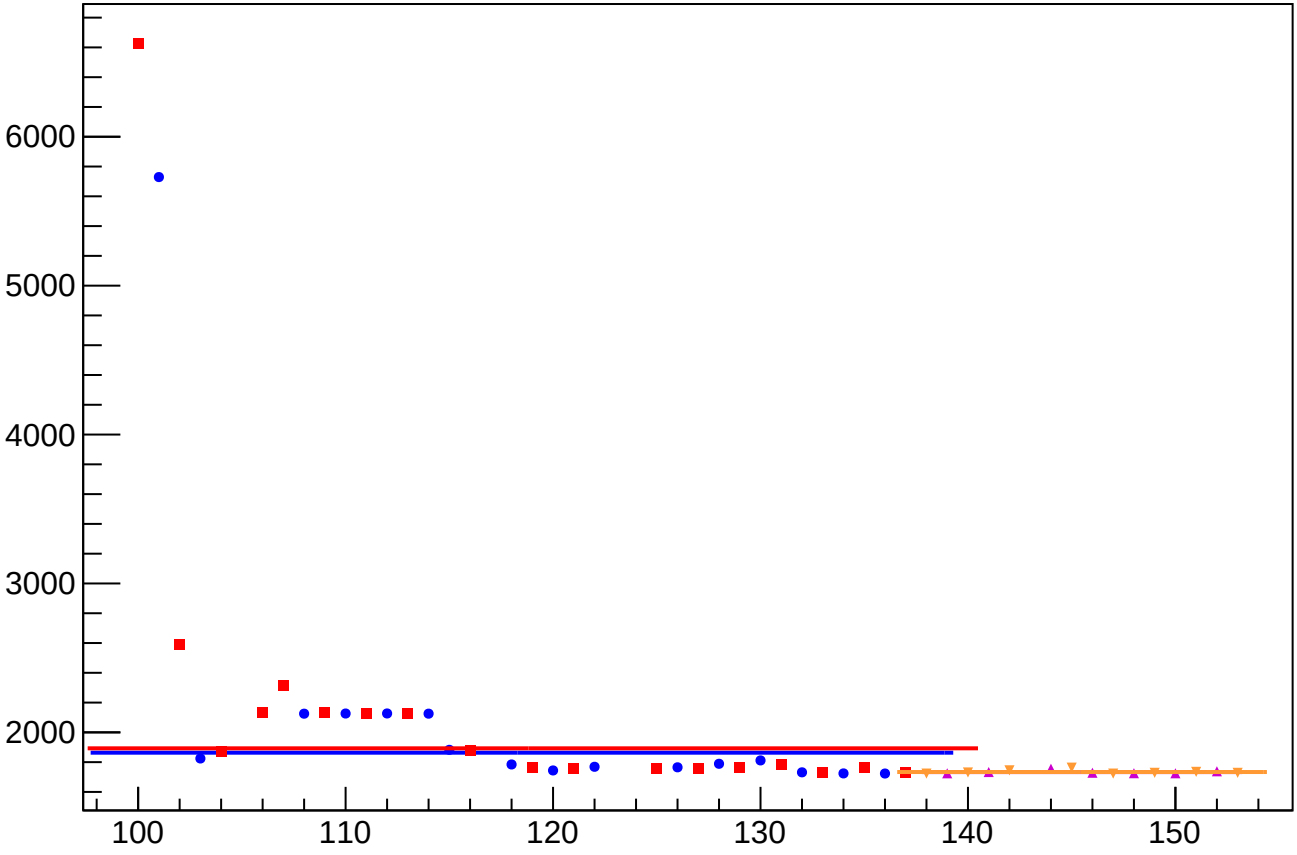
Left In: -300.461+/-699.550 χ^2/NDF:9.0/6

+ sign -72.759+/-496.594 χ^2/NDF: 23.0/23

All: -228.172+/-351.929 χ^2/NDF: 48.0/48

- sign -384.982+/-498.820 χ^2/NDF: 24.9/24

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.693+/-0.492 χ^2/NDF:646.5/7

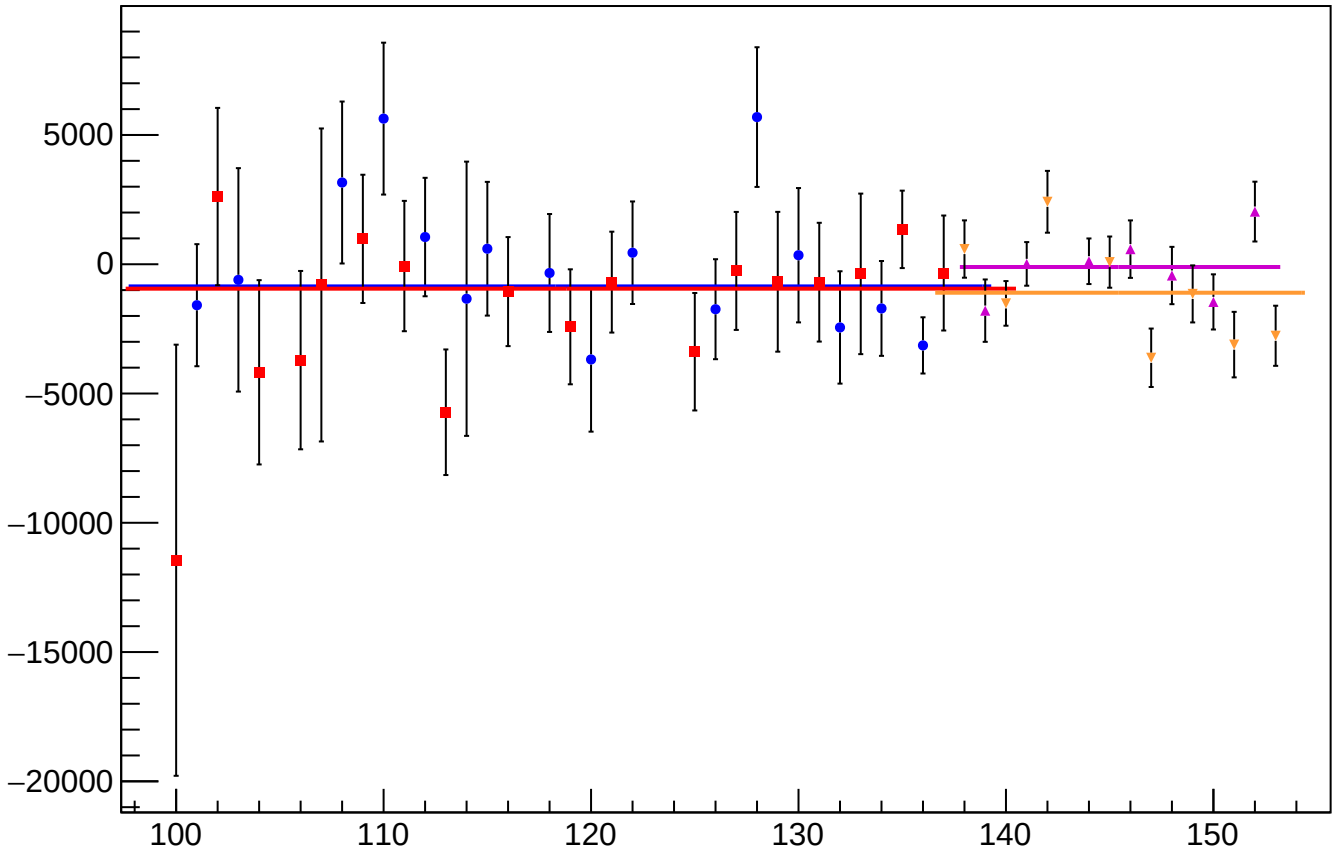
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.342+/-0.495 χ^2/NDF:435.3/6

+ sign 1797.386+/-0.351 χ^2/NDF: 709505.3/23

All: 1804.539+/-0.249 χ^2/NDF: 1013409.5/48

- sign 1811.756+/-0.353 χ^2/NDF: 303070.7/24



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1101.461+/-382.342 χ^2/NDF:22.1/7

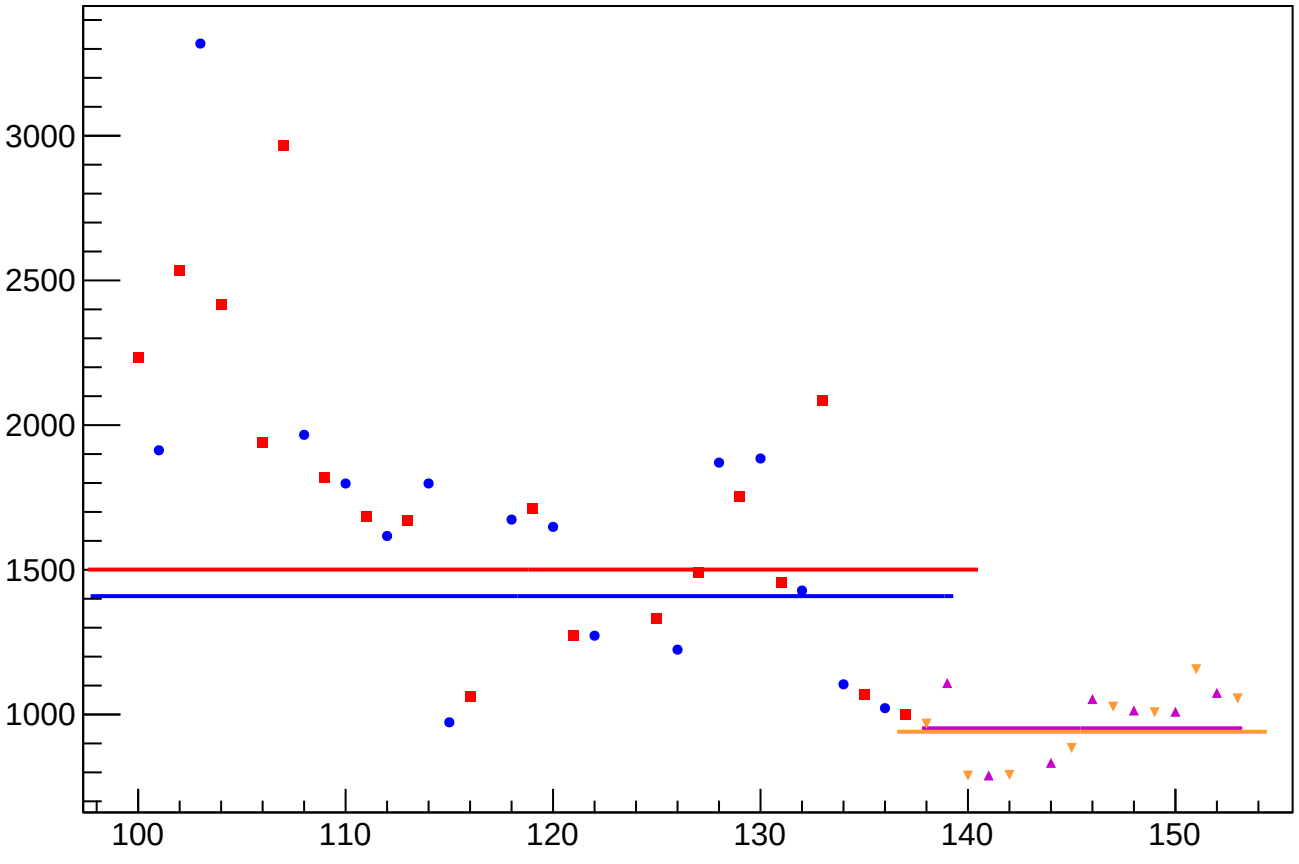
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -106.542+/-388.459 χ^2/NDF:7.6/6

+ sign -1021.869+/-313.899 χ^2/NDF: 42.9/23

All: -702.611+/-225.256 χ^2/NDF: 66.9/48

- sign -363.660+/-323.435 χ^2/NDF: 21.9/24



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 940.388+/-0.270 χ^2/NDF:197304.5/7

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

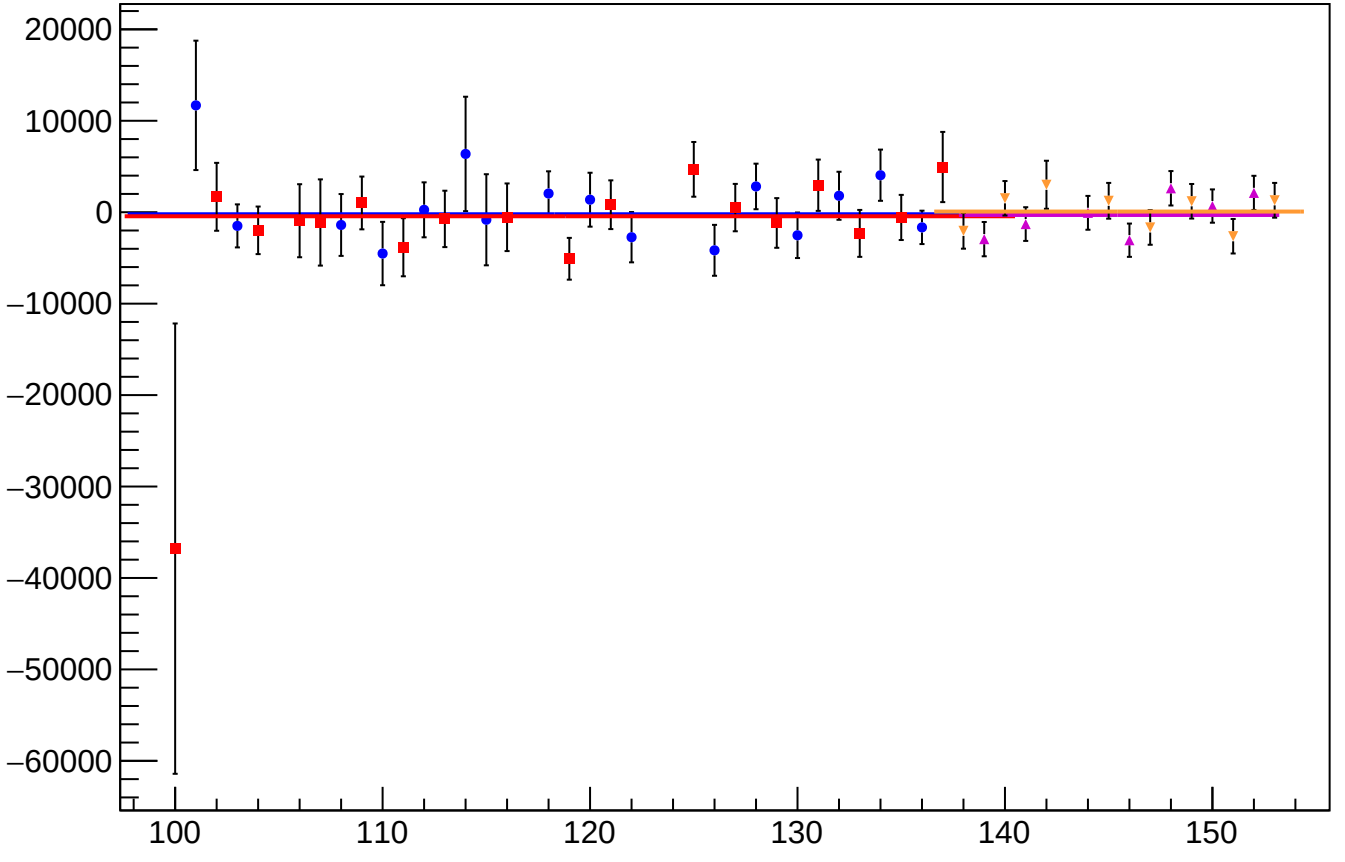
Left In: 952.272+/-0.275 χ^2/NDF:195769.9/6

+ sign 1093.175+/-0.222 χ^2/NDF: 2344761.1/23

All: 1106.447+/-0.159 χ^2/NDF: 4801980.4/48

- sign 1120.538+/-0.229 χ^2/NDF: 2449847.7/24

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 71.899+/-695.624 χ^2/NDF:7.0/7

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

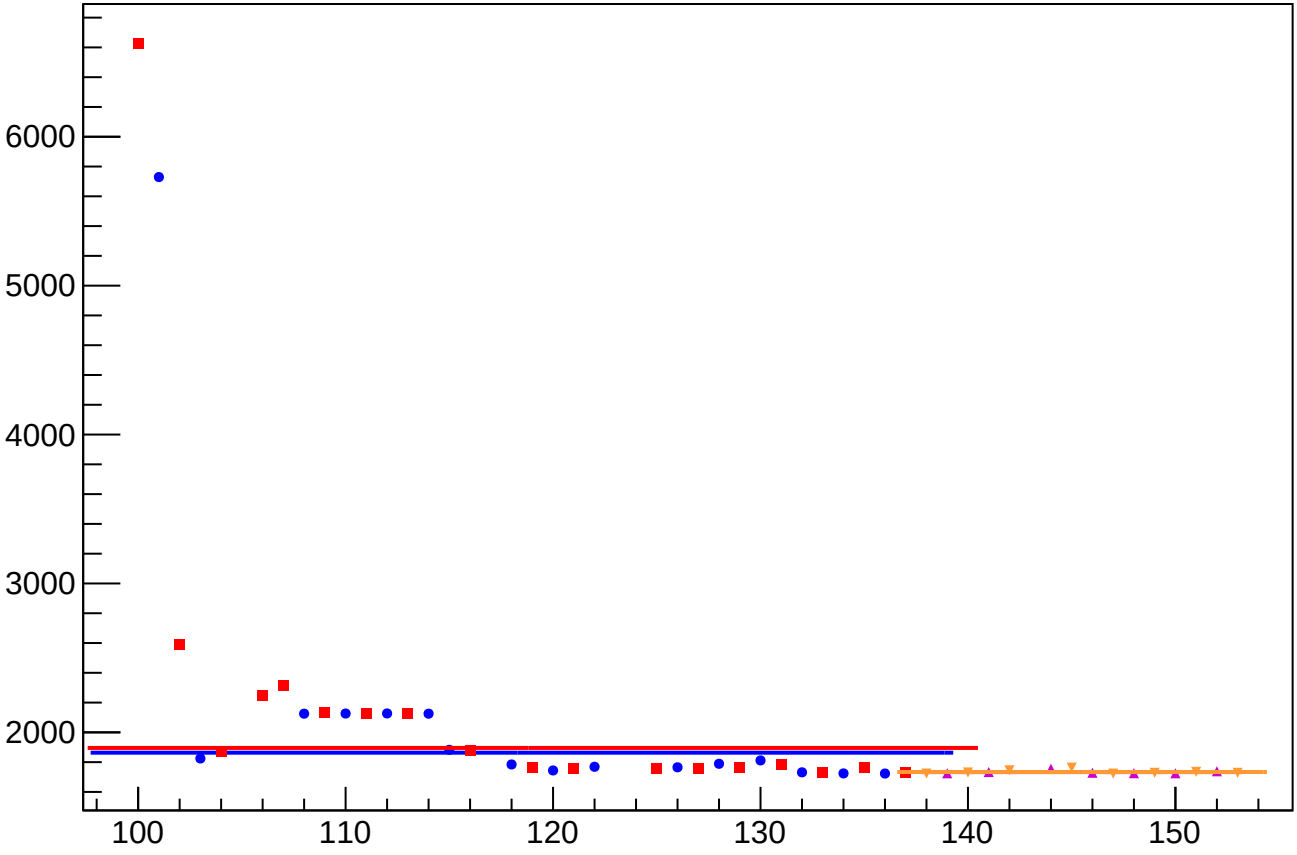
Left In: -300.465+/-699.550 χ^2/NDF:9.0/6

+ sign -73.081+/-496.594 χ^2/NDF: 22.9/23

All: -220.898+/-352.125 χ^2/NDF: 47.9/48

- sign -370.376+/-499.378 χ^2/NDF: 24.8/24

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.693+/-0.492 χ^2/NDF:646.5/7

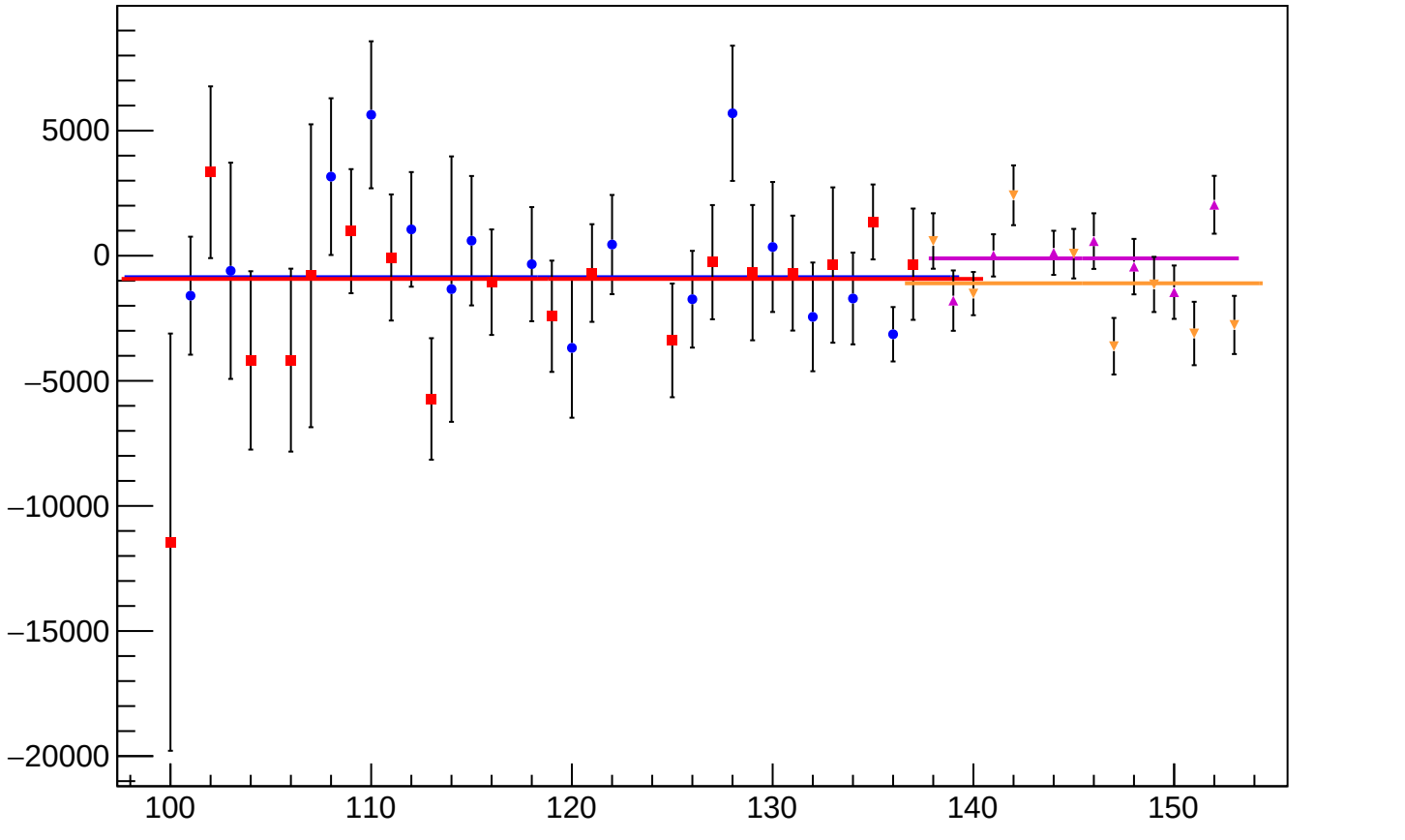
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.342+/-0.495 χ^2/NDF:435.3/6

+ sign 1797.386+/-0.351 χ^2/NDF: 709505.2/23

All: 1805.081+/-0.249 χ^2/NDF: 1022774.7/48

- sign 1812.862+/-0.353 χ^2/NDF: 312303.8/24



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1101.456+/-382.342 χ^2/NDF:22.1/7

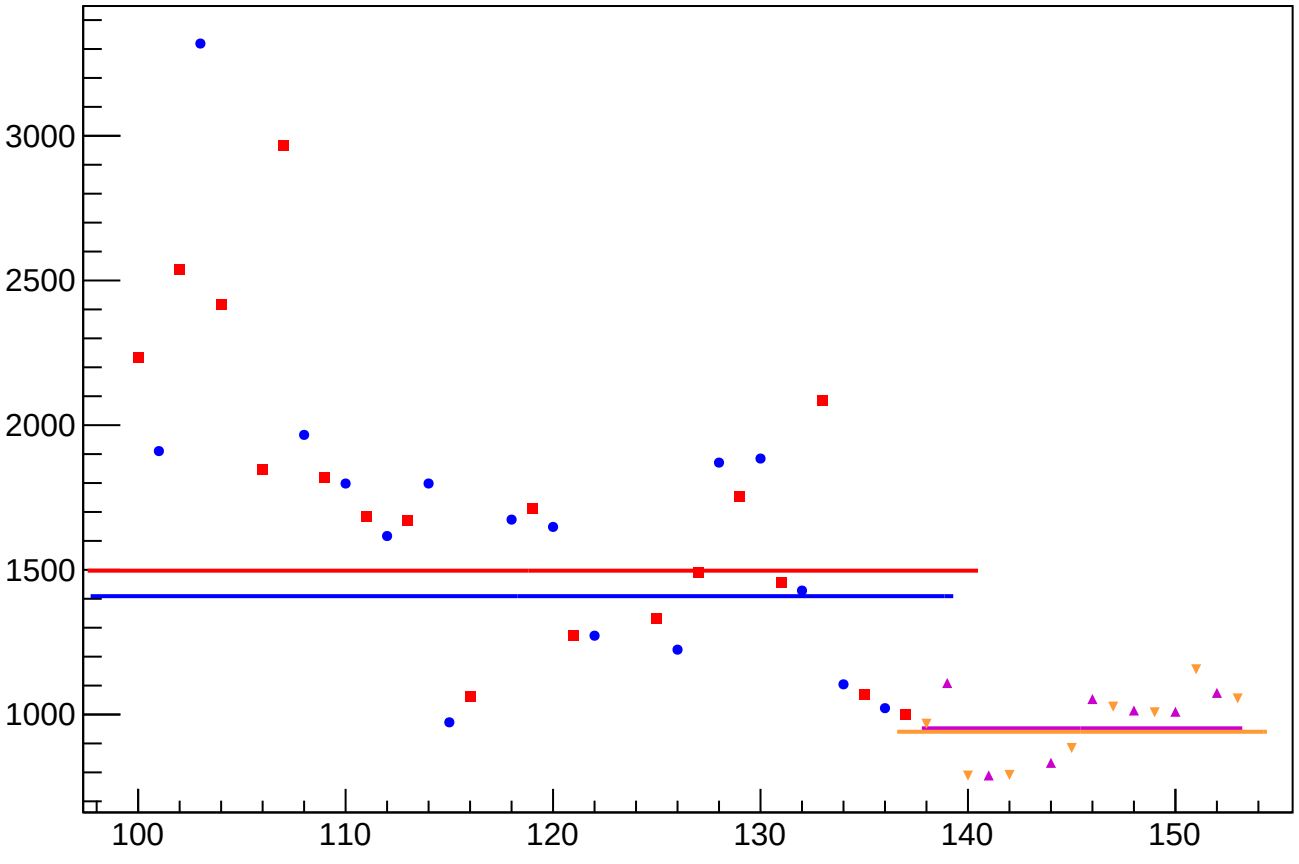
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -106.648+/-388.456 χ^2/NDF:7.6/6

+ sign -1022.124+/-313.891 χ^2/NDF: 42.9/23

All: -700.069+/-225.305 χ^2/NDF: 67.5/48

- sign -357.806+/-323.589 χ^2/NDF: 22.4/24



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 940.390+/-0.270 χ^2/NDF:197270.6/7

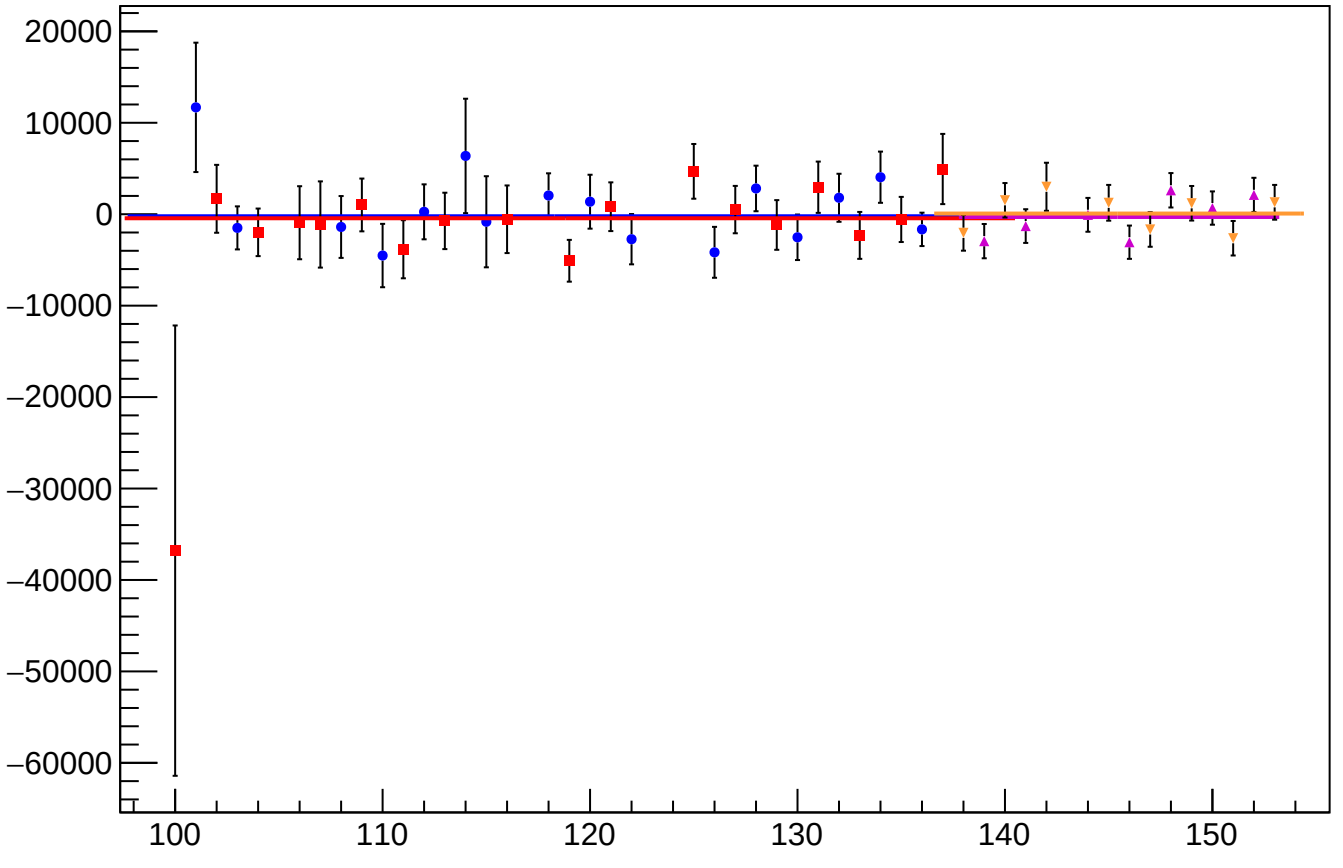
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 952.264+/-0.275 χ^2/NDF:195778.7/6

+ sign 1093.168+/-0.222 χ^2/NDF: 2343853.9/23

All: 1105.713+/-0.159 χ^2/NDF: 4768830.1/48

- sign 1119.046+/-0.229 χ^2/NDF: 2418385.8/24



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 71.899+/-695.624 χ^2/NDF:7.0/7

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

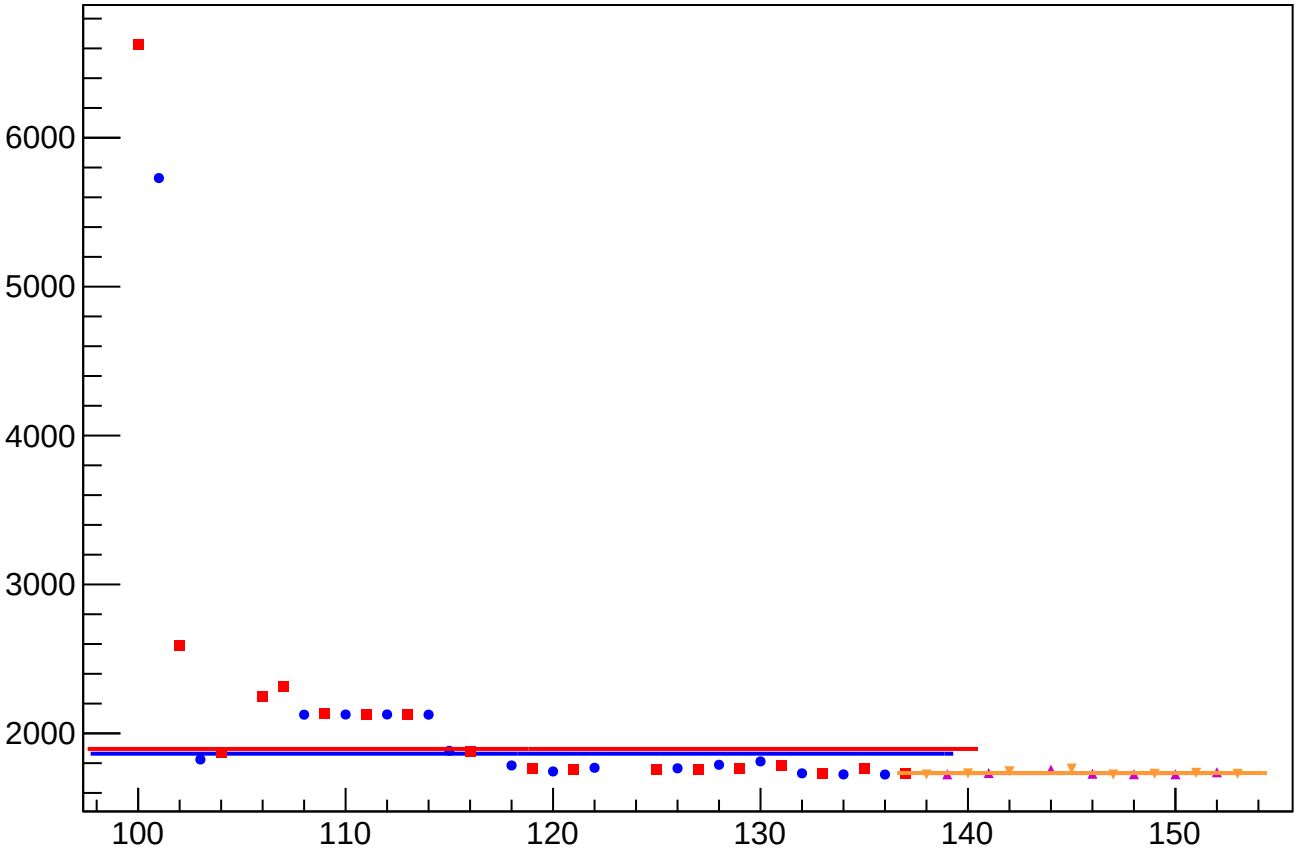
Left In: -300.465+/-699.550 χ^2/NDF:9.0/6

+ sign -73.081+/-496.594 χ^2/NDF: 22.9/23

All: -220.898+/-352.125 χ^2/NDF: 47.9/48

- sign -370.376+/-499.378 χ^2/NDF: 24.8/24

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.693+/-0.492 χ^2/NDF:646.5/7

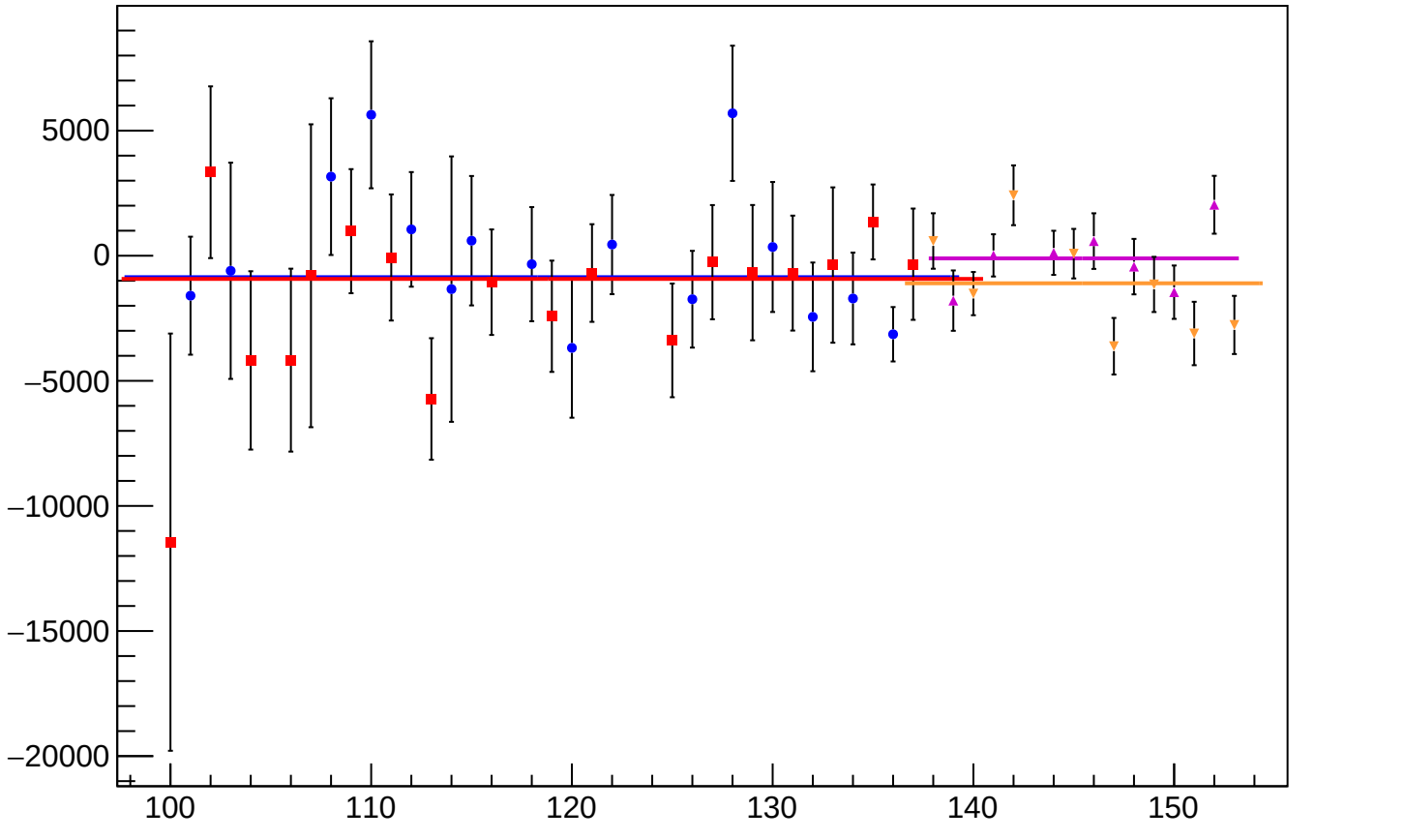
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.342+/-0.495 χ^2/NDF:435.3/6

+ sign 1797.386+/-0.351 χ^2/NDF: 709505.2/23

All: 1805.081+/-0.249 χ^2/NDF: 1022774.7/48

- sign 1812.862+/-0.353 χ^2/NDF: 312303.8/24



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1101.456+/-382.342 χ^2/NDF:22.1/7

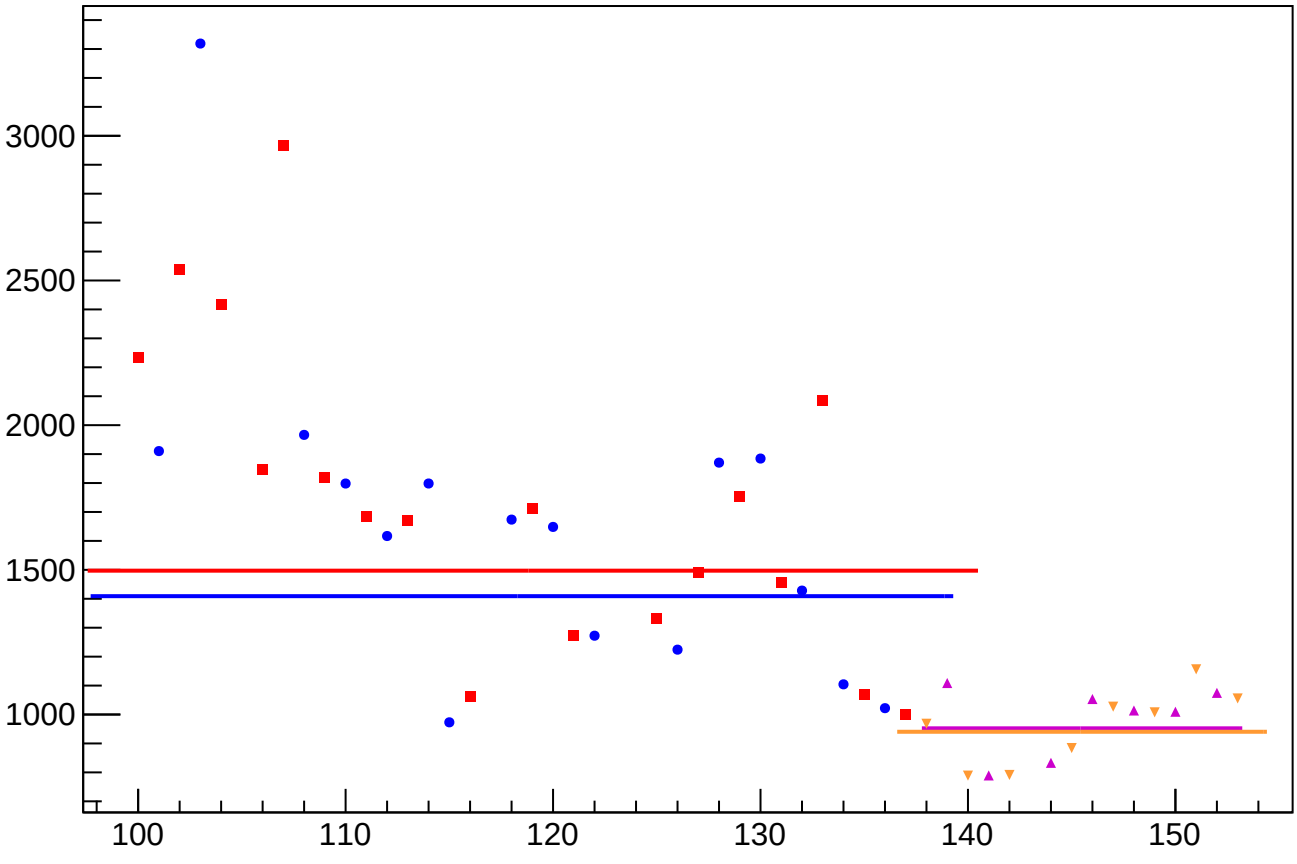
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -106.648+/-388.456 χ^2/NDF:7.6/6

+ sign -1022.124+/-313.891 χ^2/NDF: 42.9/23

All: -700.069+/-225.305 χ^2/NDF: 67.5/48

- sign -357.806+/-323.589 χ^2/NDF: 22.4/24



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 940.390+/-0.270 χ^2/NDF:197270.6/7

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

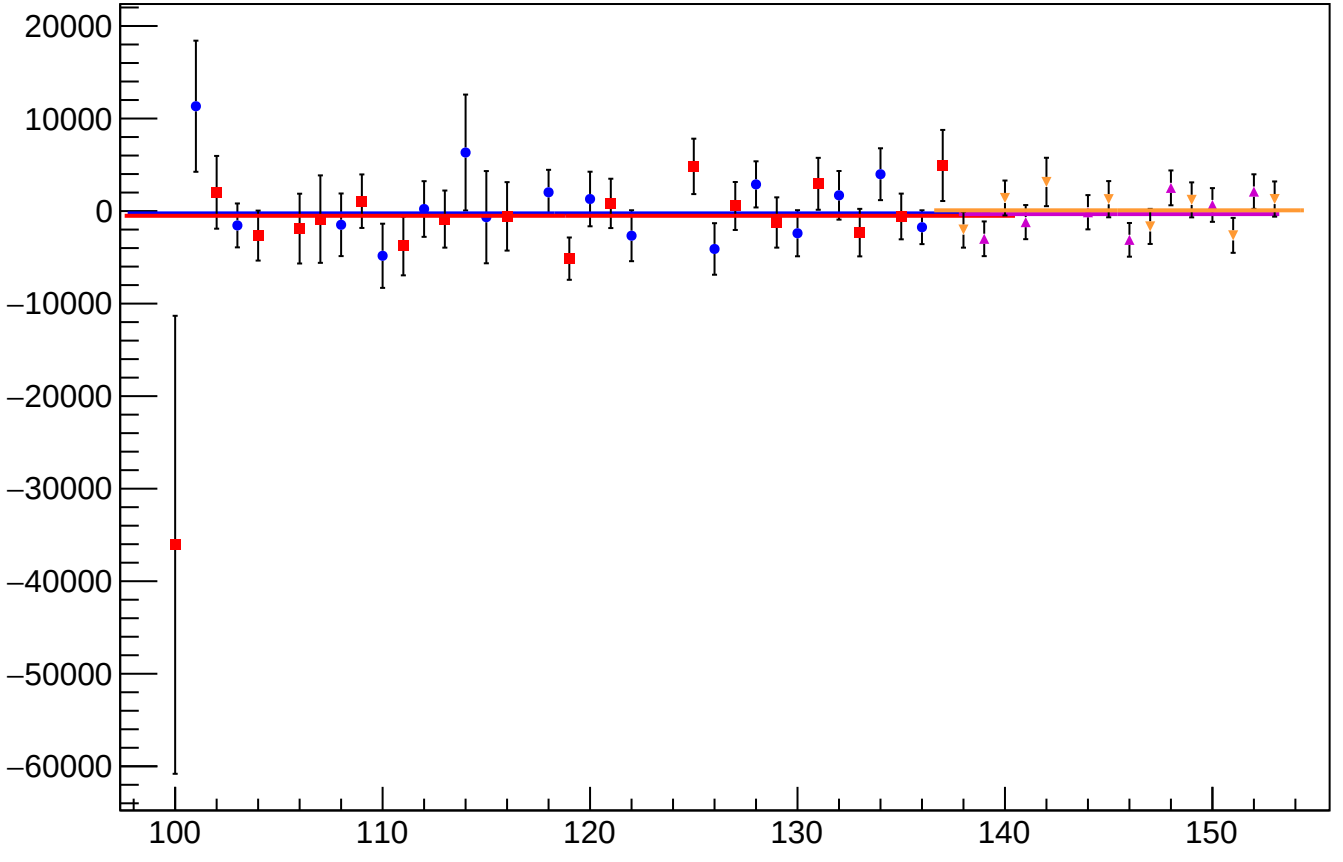
Left In: 952.264+/-0.275 χ^2/NDF:195778.7/6

+ sign 1093.168+/-0.222 χ^2/NDF: 2343853.9/23

All: 1105.713+/-0.159 χ^2/NDF: 4768830.1/48

- sign 1119.046+/-0.229 χ^2/NDF: 2418385.8/24

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 80.204+/-695.781 χ^2/NDF:7.1/7

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

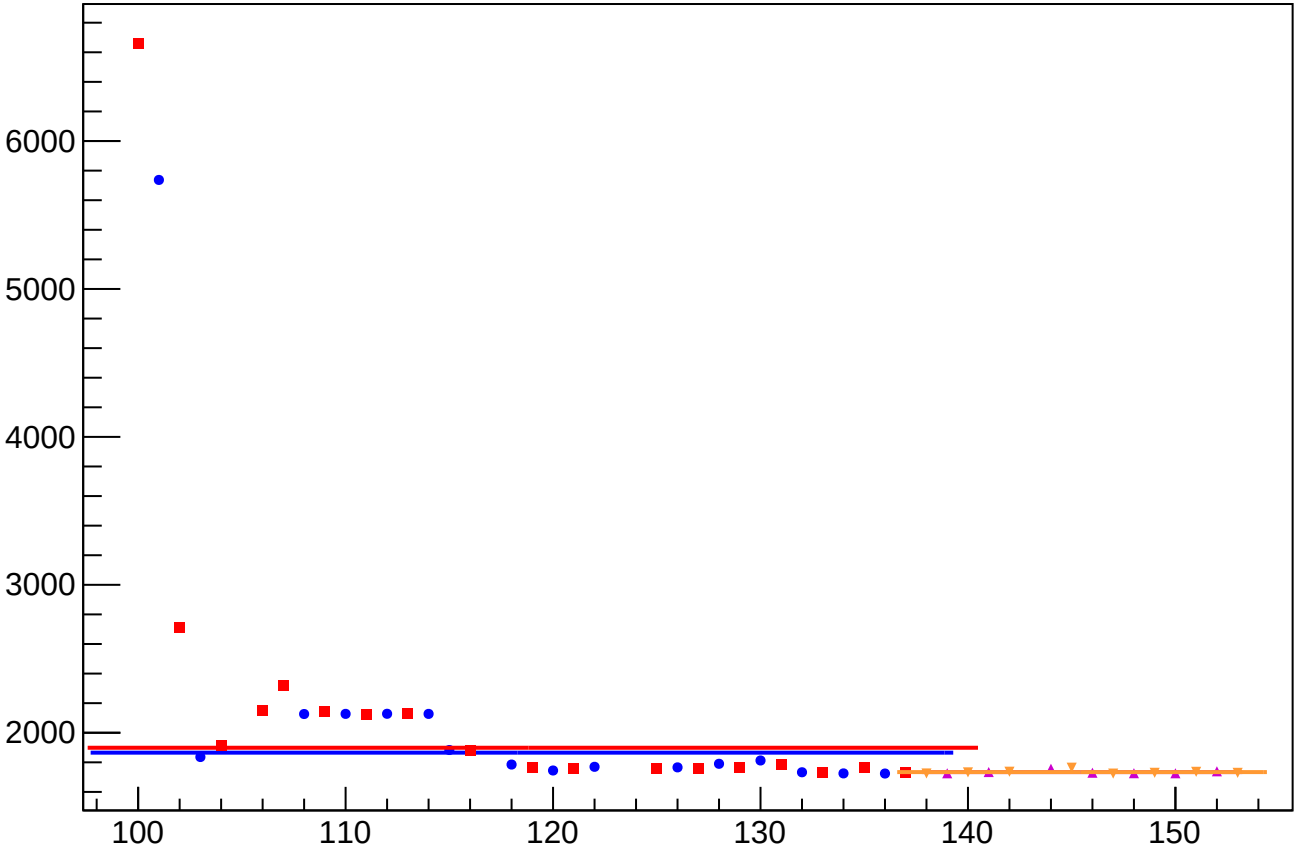
Left In: -327.325+/-699.886 χ^2/NDF:8.8/6

+ sign -82.557+/-496.933 χ^2/NDF: 22.8/23

All: -248.505+/-352.570 χ^2/NDF: 48.3/48

- sign -416.712+/-500.303 χ^2/NDF: 25.3/24

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.008+/-0.492 χ^2/NDF:598.4/7

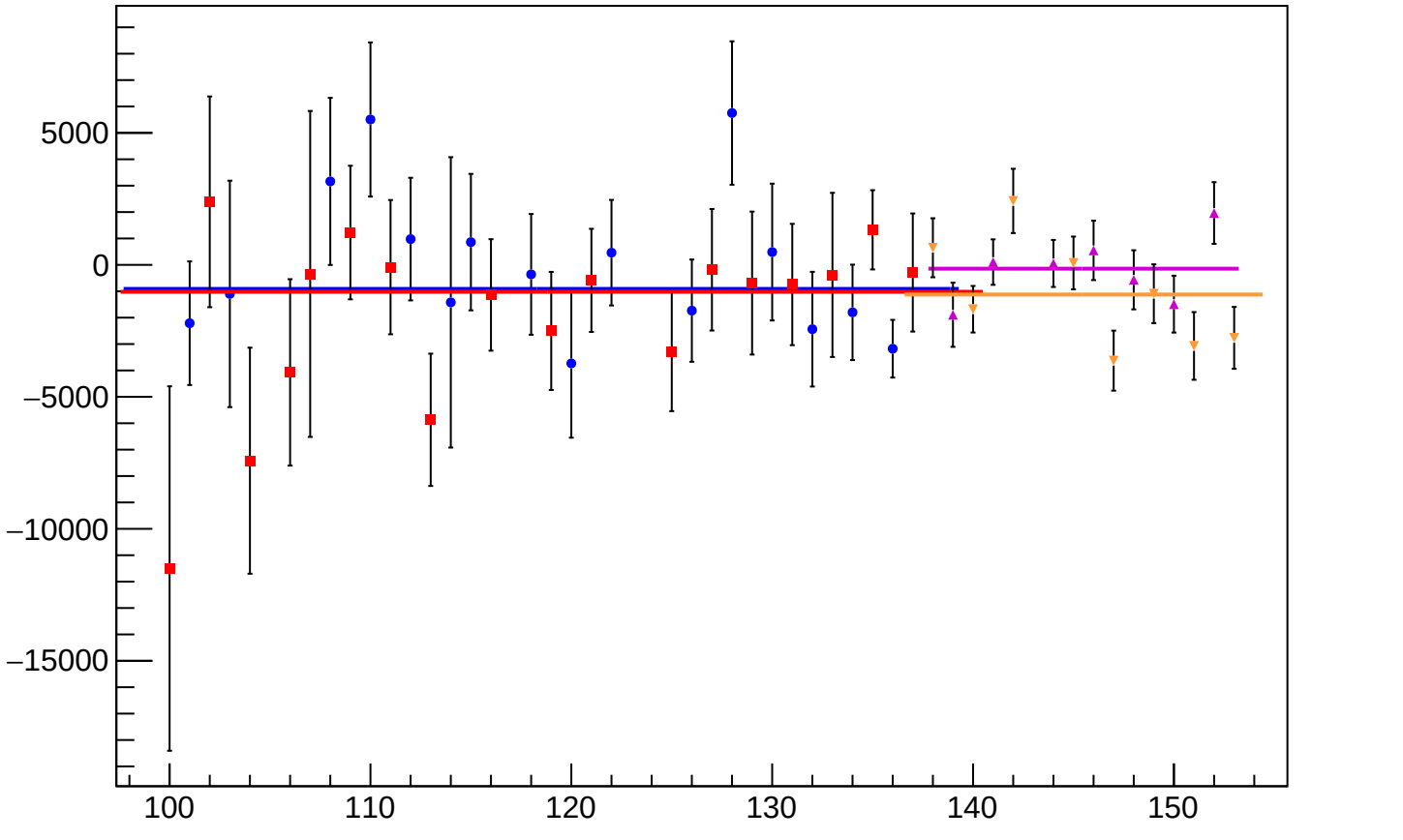
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.174+/-0.495 χ^2/NDF:434.9/6

+ sign 1798.397+/-0.351 χ^2/NDF: 710550.0/23

All: 1806.435+/-0.249 χ^2/NDF: 1035130.6/48

- sign 1814.582+/-0.354 χ^2/NDF: 323527.1/24



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1123.924+/-387.011 χ^2/NDF:21.9/7

Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

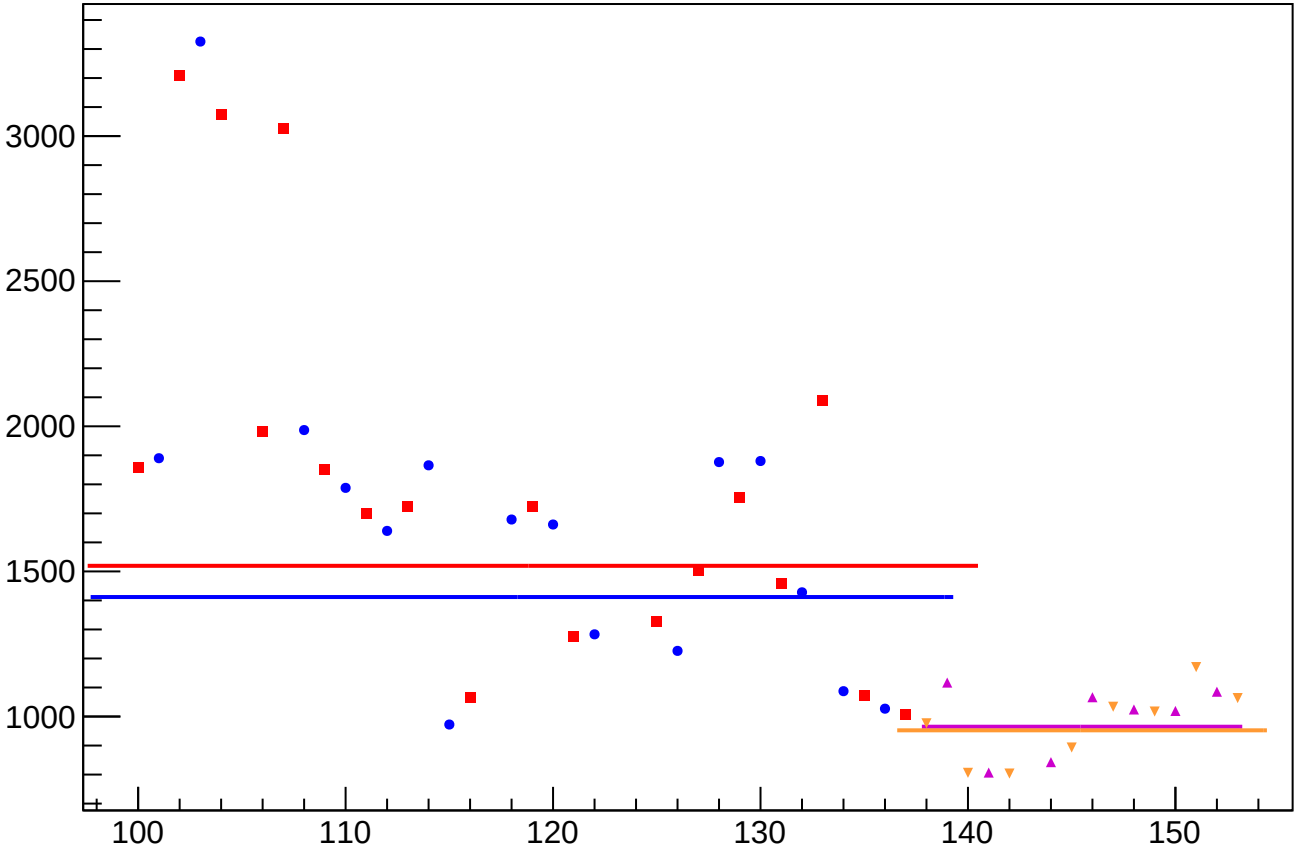
Left In: -144.644+/-393.312 χ^2/NDF:7.5/6

+ sign -1053.540+/-316.666 χ^2/NDF: 43.0/23

All: -744.069+/-227.662 χ^2/NDF: 69.0/48

- sign -412.994+/-327.533 χ^2/NDF: 24.0/24

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 952.460+/-0.274 χ^2/NDF:185677.2/7

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

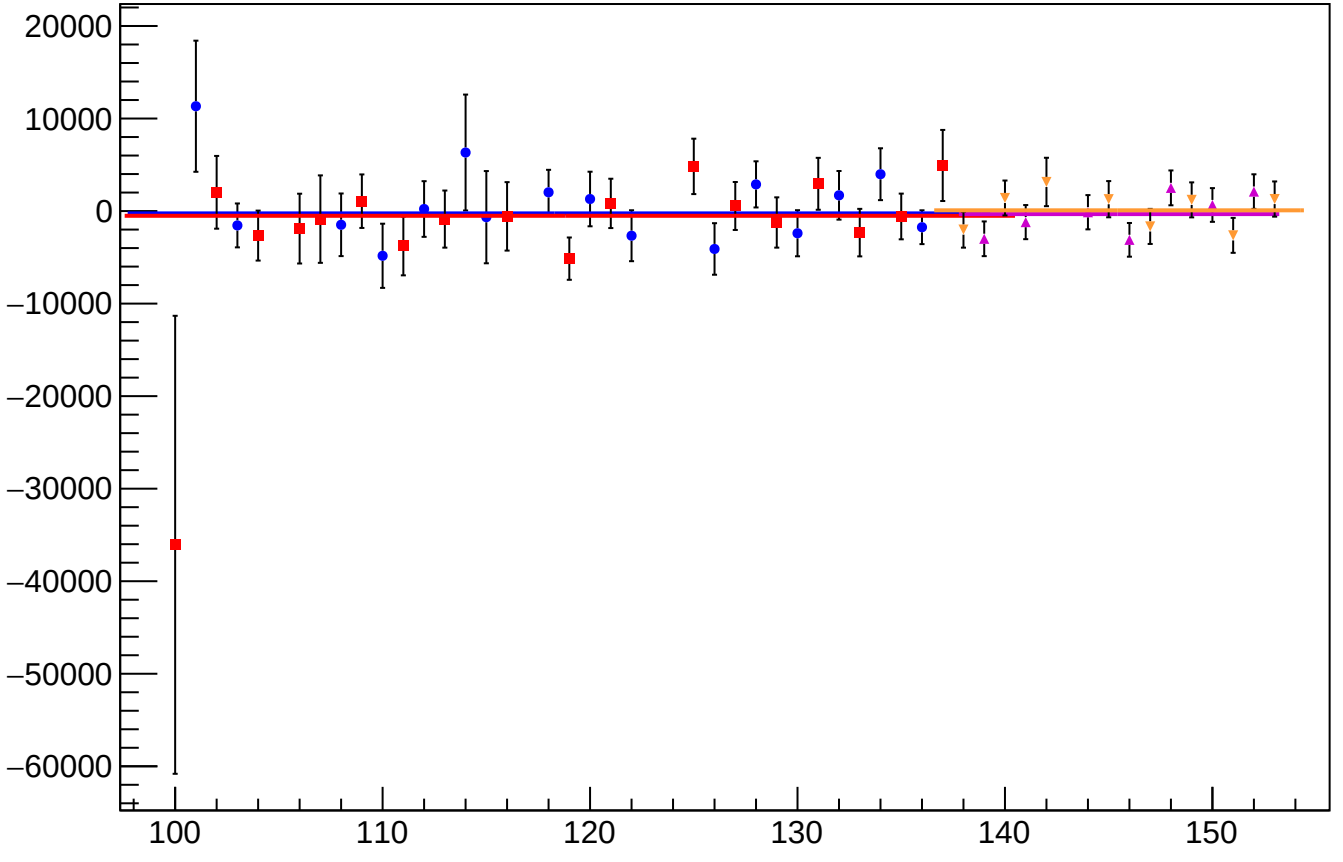
Left In: 964.883+/-0.278 χ^2/NDF:184392.6/6

+ sign 1104.250+/-0.224 χ^2/NDF: 2294342.9/23

All: 1119.021+/-0.161 χ^2/NDF: 5066008.8/48

- sign 1134.823+/-0.232 χ^2/NDF: 2762659.3/24

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 80.201+/-695.781 χ^2/NDF:7.1/7

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

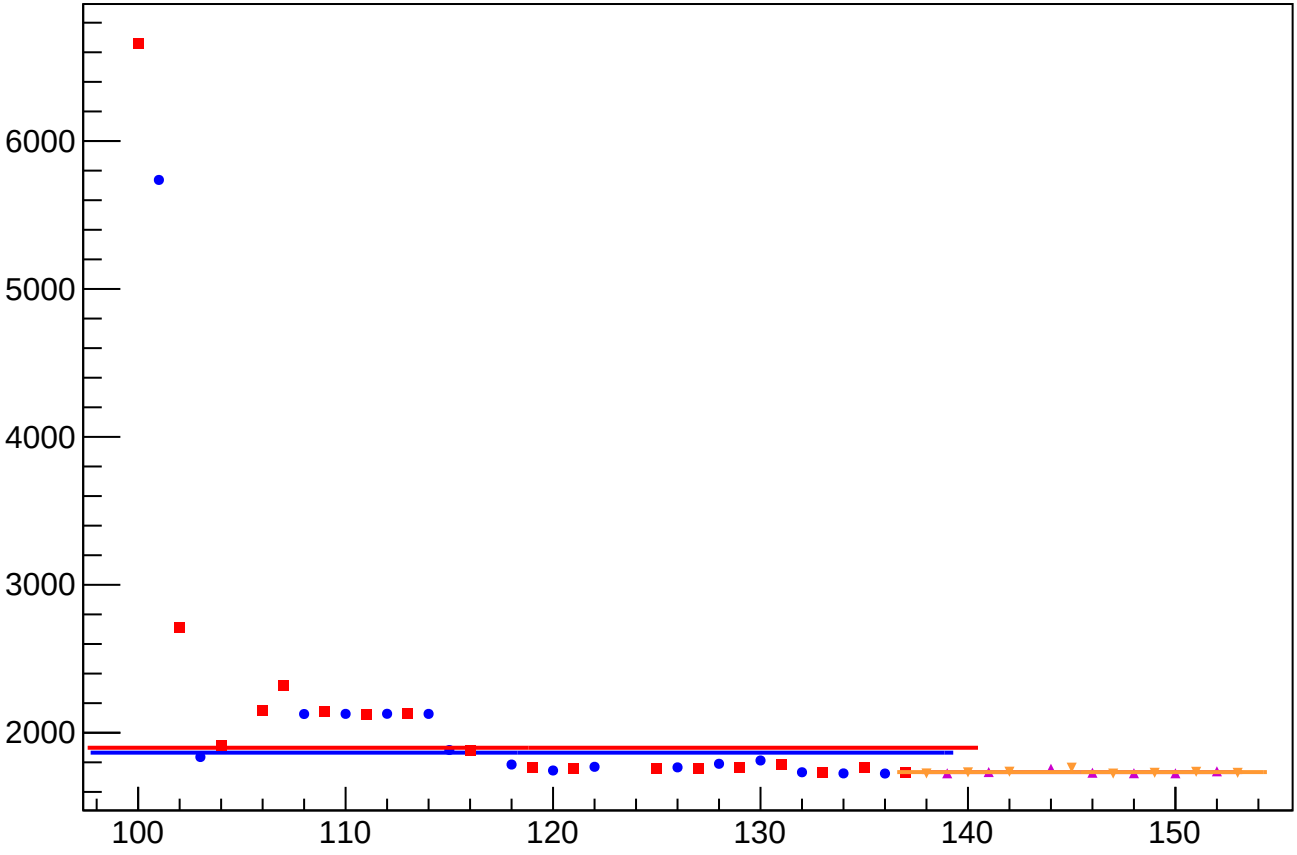
Left In: -327.326+/-699.886 χ^2/NDF:8.8/6

+ sign -82.558+/-496.933 χ^2/NDF: 22.8/23

All: -248.506+/-352.570 χ^2/NDF: 48.3/48

- sign -416.713+/-500.303 χ^2/NDF: 25.3/24

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.008+/-0.492 χ^2/NDF:598.4/7

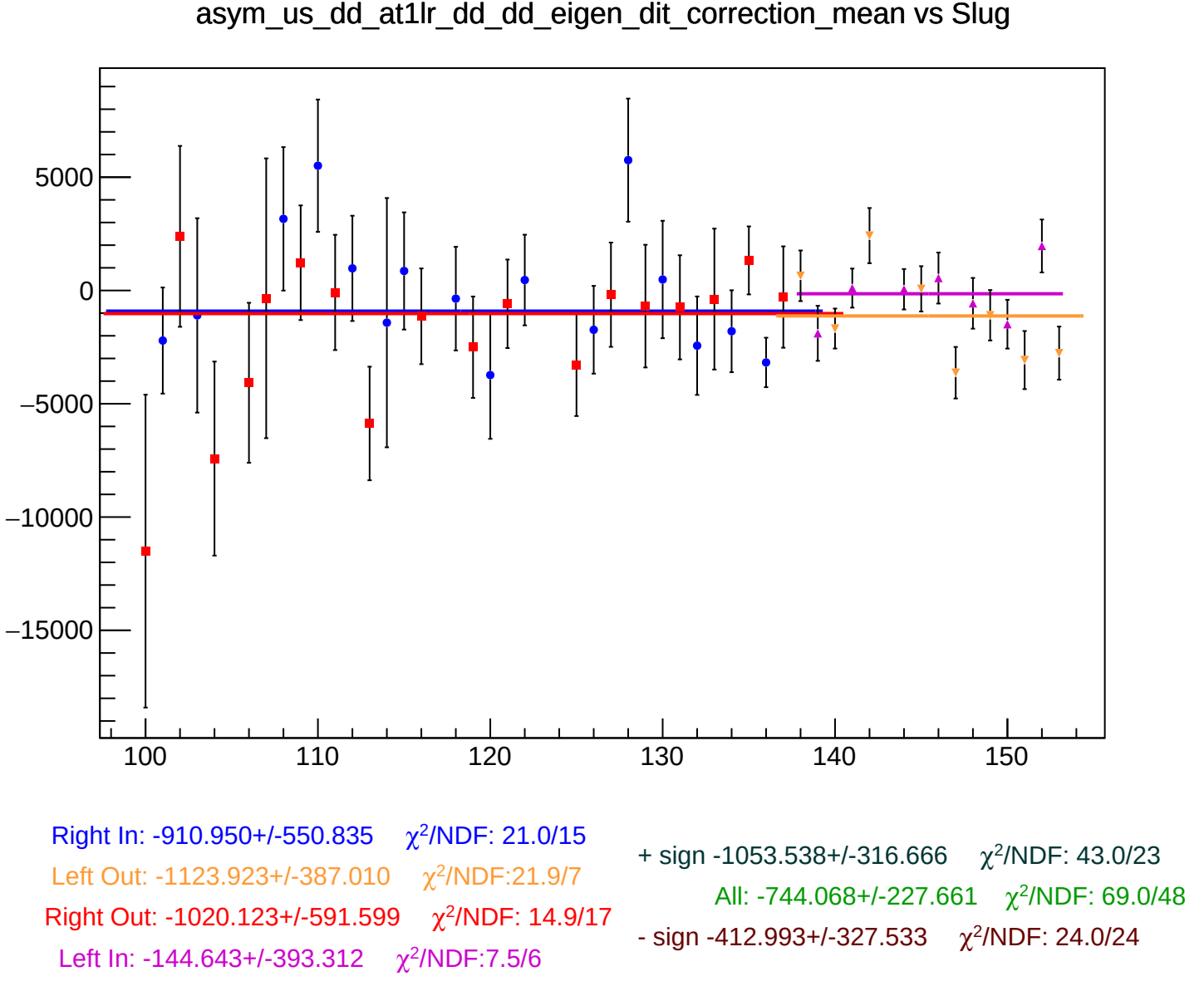
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

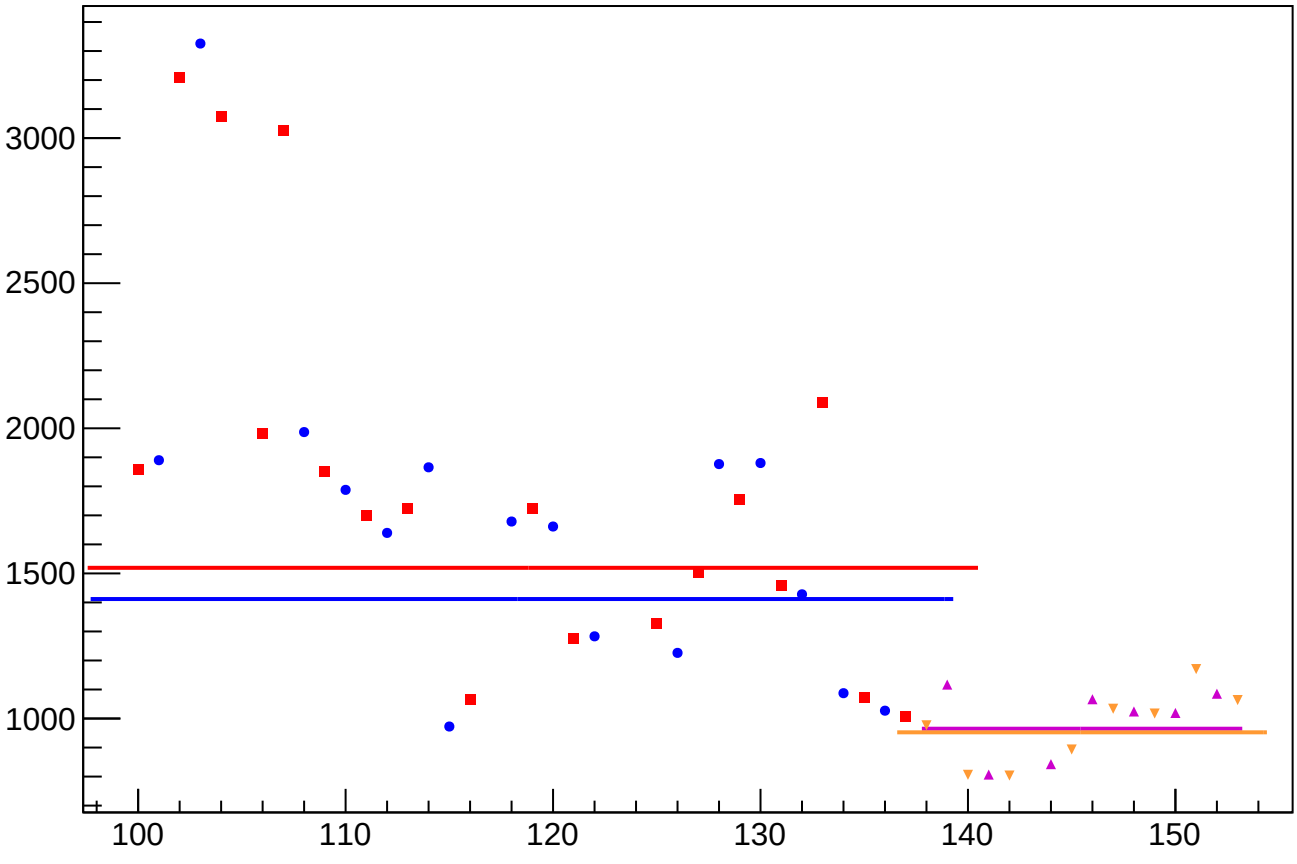
Left In: 1734.174+/-0.495 χ^2/NDF:434.9/6

+ sign 1798.397+/-0.351 χ^2/NDF: 710550.0/23

All: 1806.435+/-0.249 χ^2/NDF: 1035130.3/48

- sign 1814.582+/-0.354 χ^2/NDF: 323526.8/24


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -1123.923+/-387.010 χ²/NDF:21.9/7
Right Out: -1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: -144.643+/-393.312 χ²/NDF:7.5/6
+ sign -1053.538+/-316.666 χ²/NDF: 43.0/23
All: -744.068+/-227.661 χ²/NDF: 69.0/48
- sign -412.993+/-327.533 χ²/NDF: 24.0/24



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 952.459+/-0.274 χ^2/NDF:185683.4/7

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

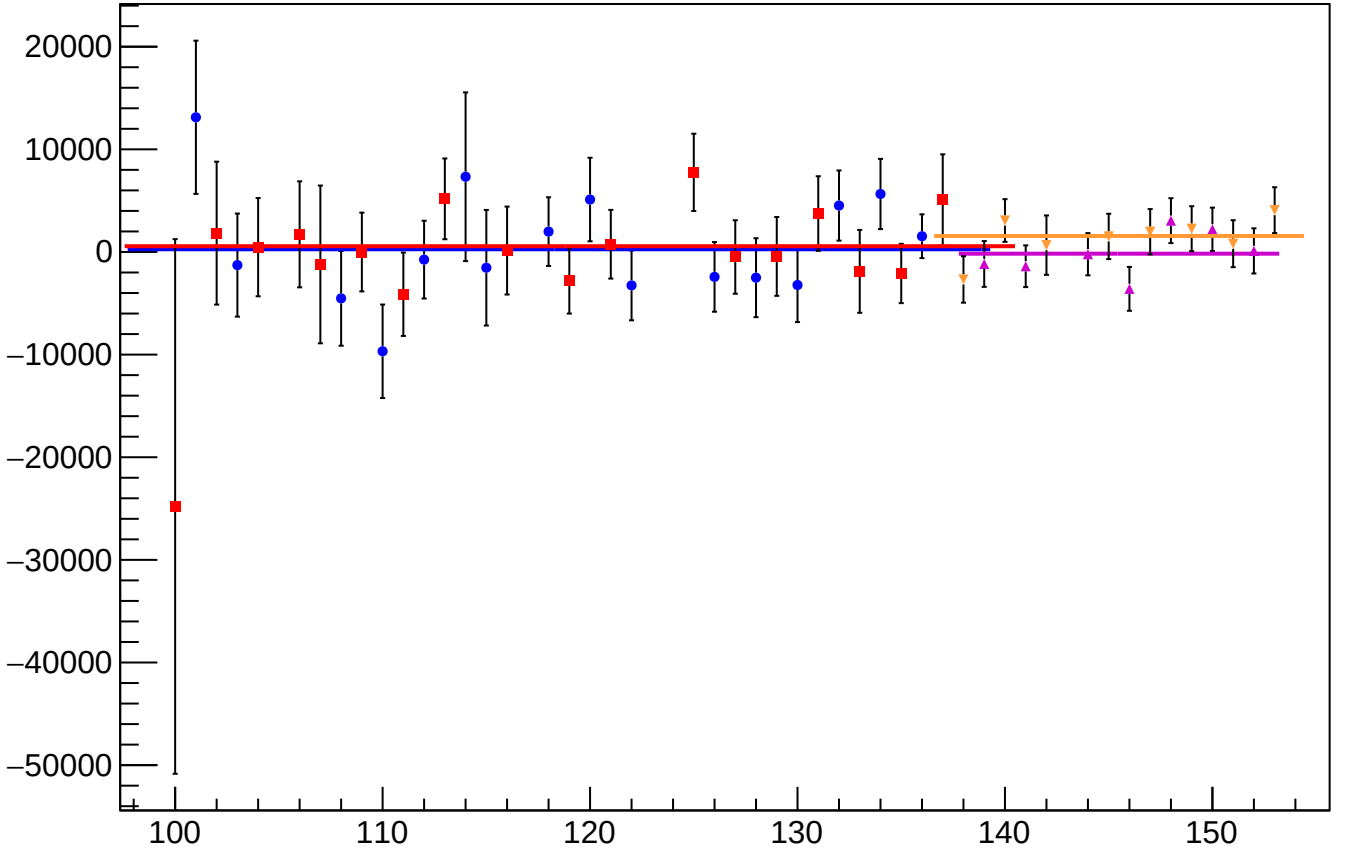
Left In: 964.883+/-0.278 χ^2/NDF:184397.9/6

\+ sign 1104.249+/-0.224 χ^2/NDF: 2294343.5/23

All: 1119.020+/-0.161 χ^2/NDF: 5066011.9/48

\- sign 1134.822+/-0.232 χ^2/NDF: 2762661.4/24

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1558.963+/-801.549 χ^2/NDF:5.6/7

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

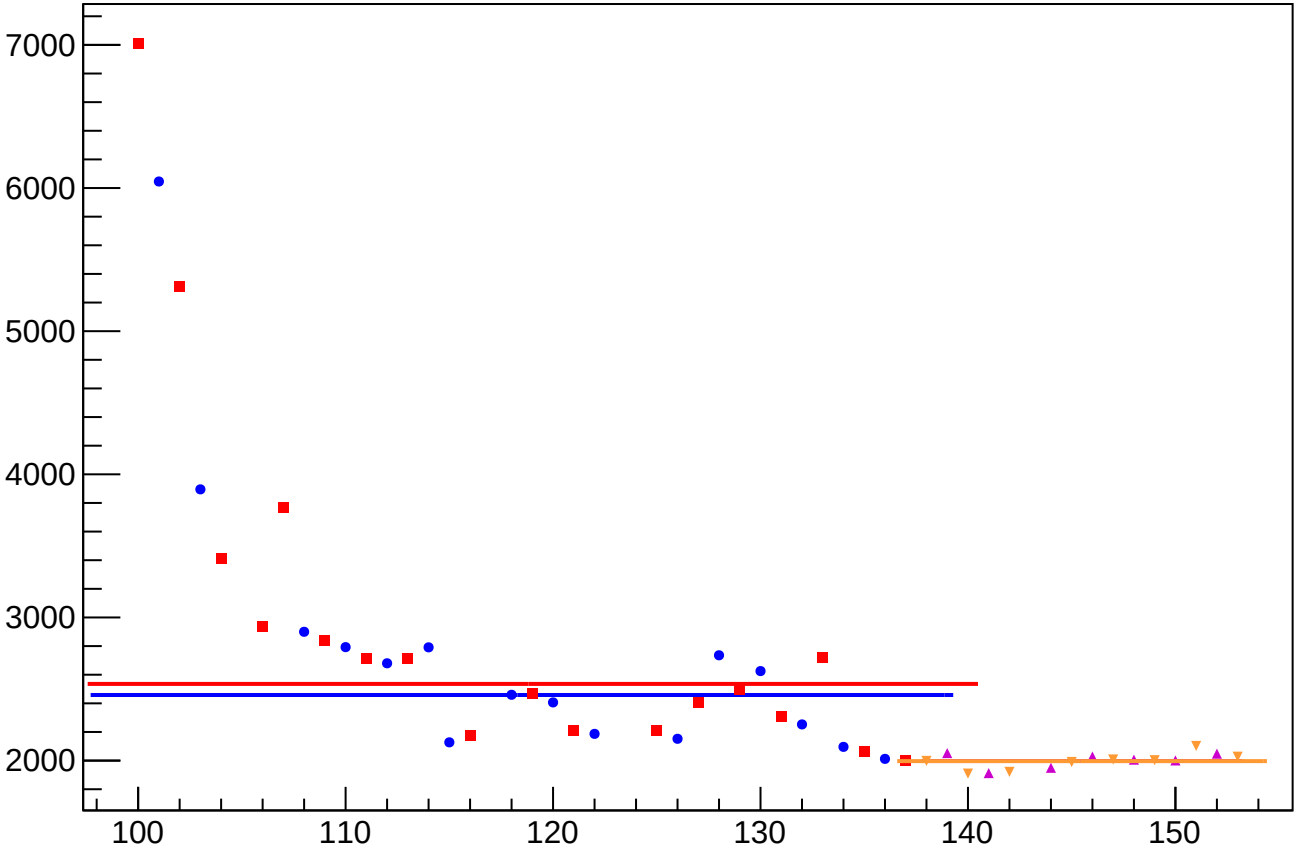
Left In: -166.837+/-806.340 χ^2/NDF:6.6/6

+ sign 1015.272+/-610.454 χ^2/NDF: 25.8/23

All: 579.782+/-434.375 χ^2/NDF: 45.5/48

- sign 133.144+/-618.218 χ^2/NDF: 18.7/24

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1996.407+/-0.567 χ^2/NDF:9612.8/7

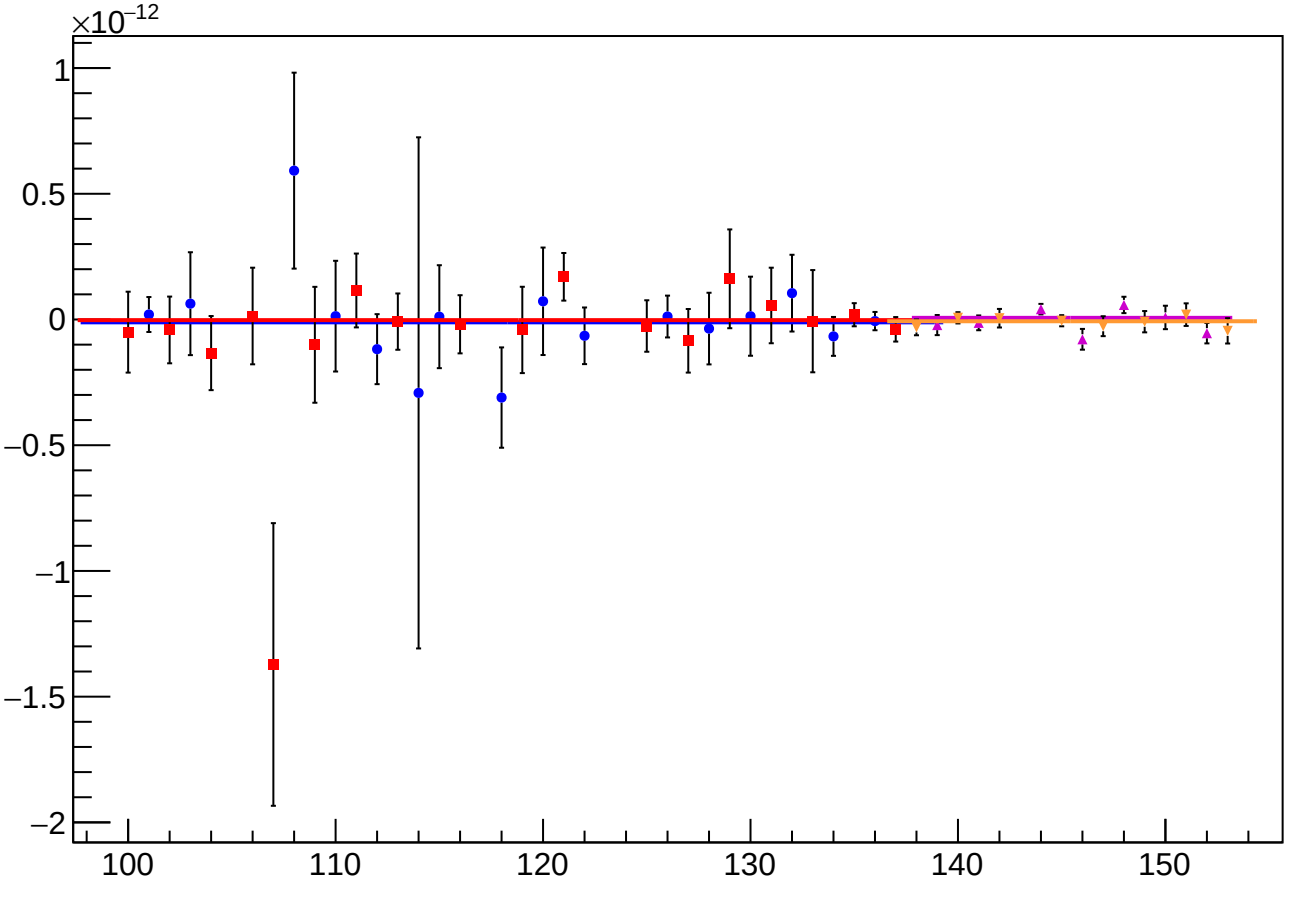
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1997.122+/-0.570 χ^2/NDF:7299.7/6

+ sign 2190.404+/-0.432 χ^2/NDF: 1121458.1/23

All: 2204.593+/-0.307 χ^2/NDF: 2172165.5/48

- sign 2219.146+/-0.437 χ^2/NDF: 1048518.6/24



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/7

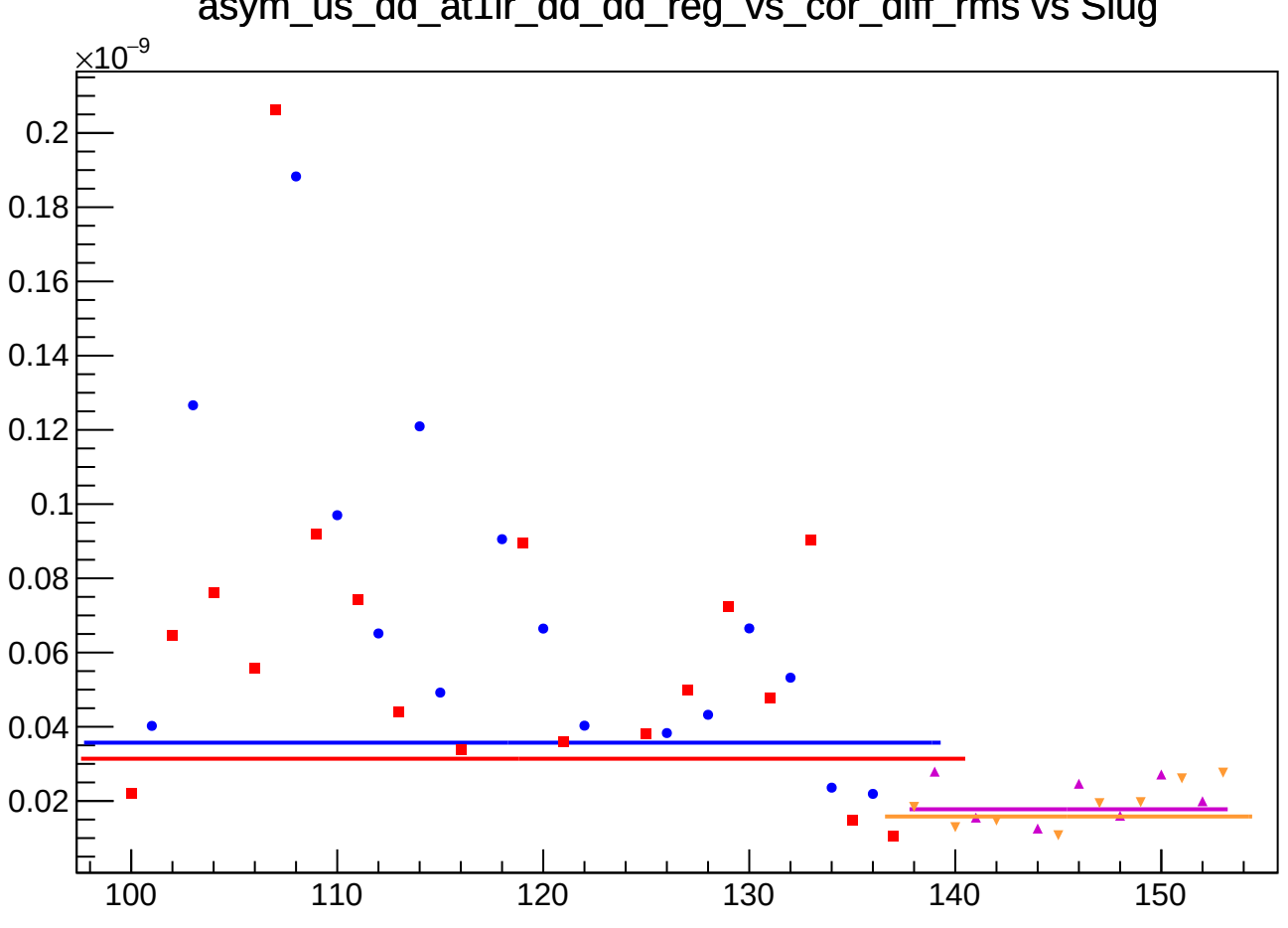
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:12.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 9.6/23

All: -0.000+/-0.000 χ^2/NDF: 36.3/48

- sign 0.000+/-0.000 χ^2/NDF: 26.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:400099.6/7

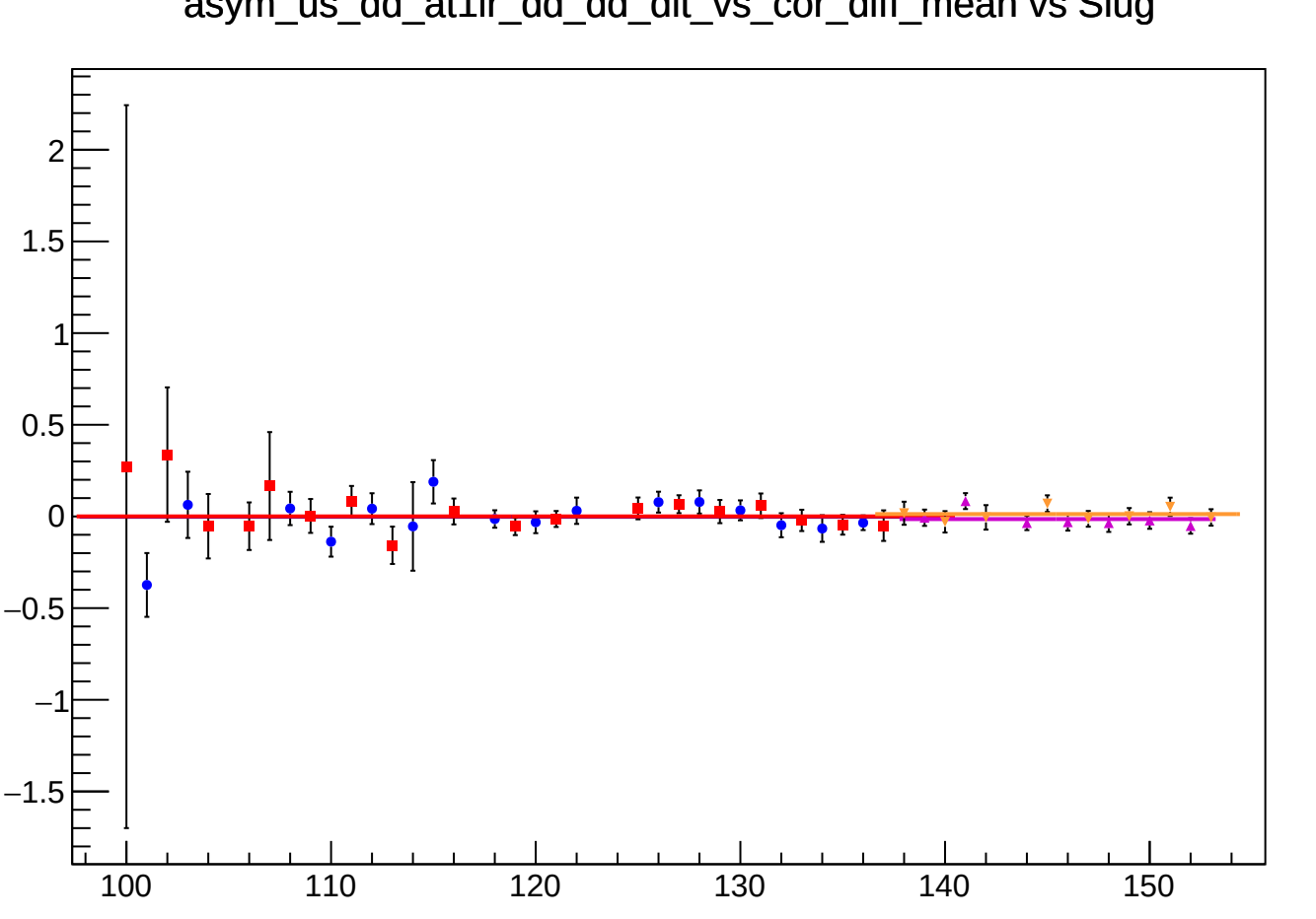
Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:410736.6/6

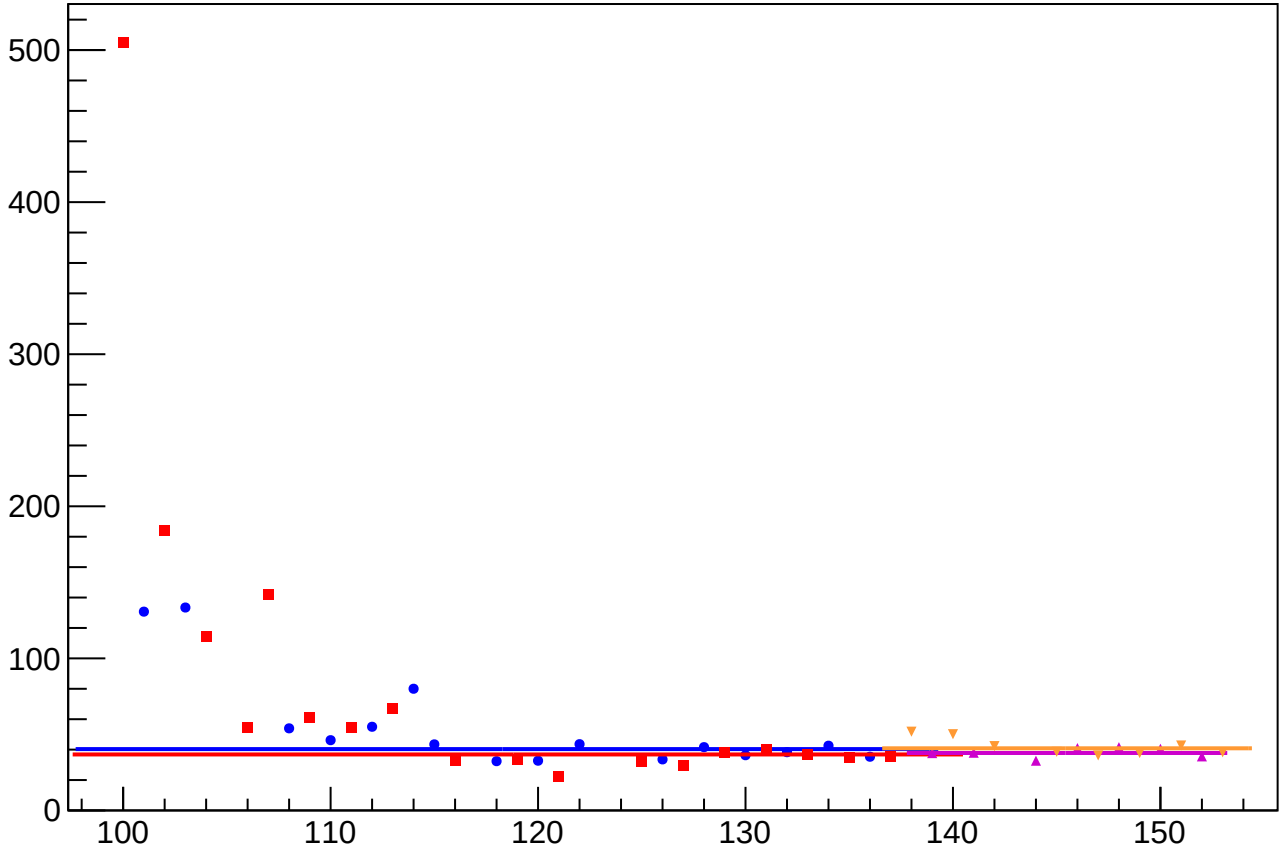
+ sign 0.000+/-0.000 χ^2/NDF: 3105394.1/23

All: 0.000+/-0.000 χ^2/NDF: 6096475.2/48

- sign 0.000+/-0.000 χ^2/NDF: 2977711.5/24


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: 0.013+/-0.018 χ²/NDF:3.4/7
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.015+/-0.017 χ²/NDF:6.6/6
+ sign 0.005+/-0.012 χ²/NDF: 20.9/23
All: -0.001+/-0.008 χ²/NDF: 39.3/48
- sign -0.007+/-0.012 χ²/NDF: 17.9/24

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.868+/-0.012 χ^2/NDF:160390.5/7

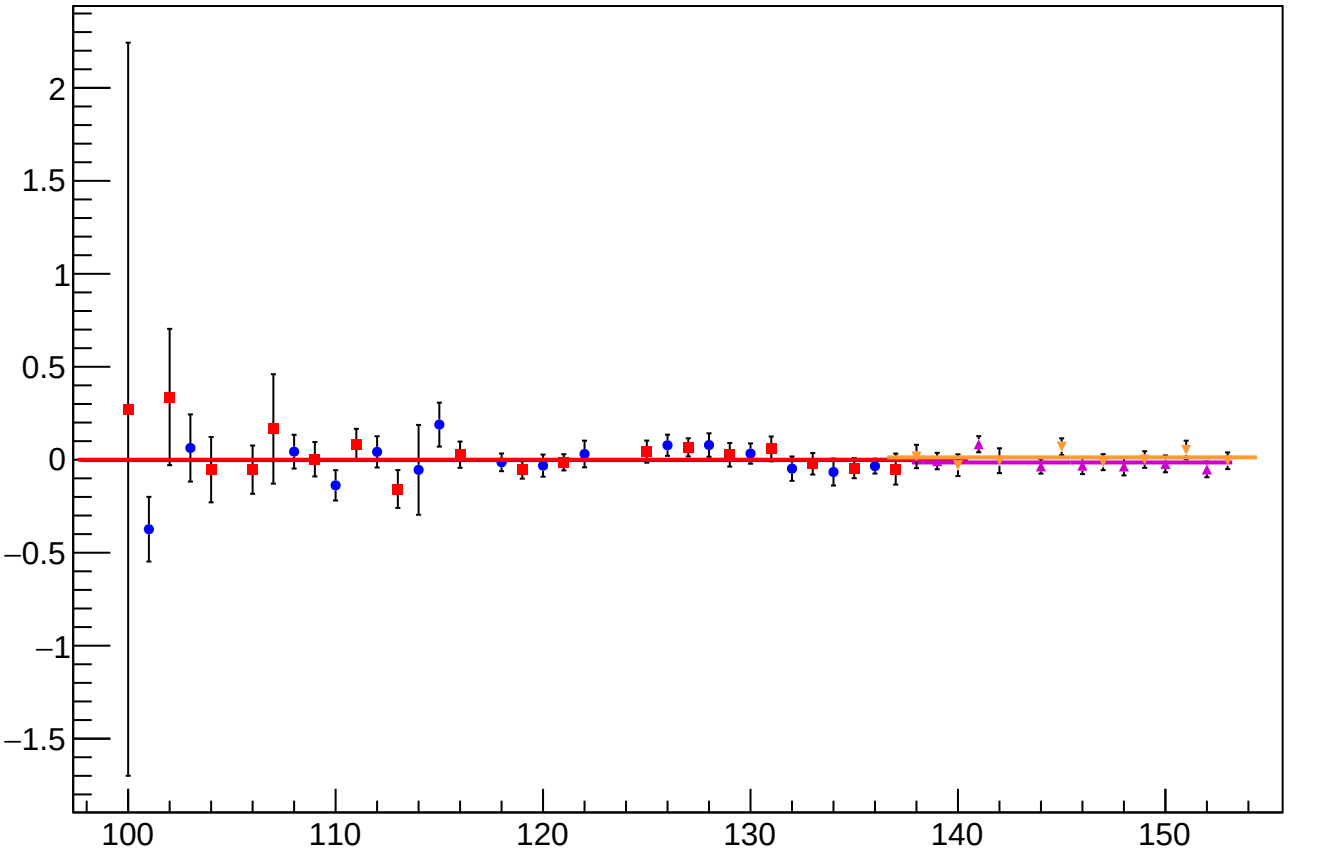
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.787+/-0.012 χ^2/NDF:69442.9/6

+ sign 40.601+/-0.009 χ^2/NDF: 1571411.7/23

All: 38.882+/-0.006 χ^2/NDF: 3556385.7/48

- sign 37.309+/-0.008 χ^2/NDF: 1909925.3/24



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.013+/-0.018 χ^2/NDF:3.4/7

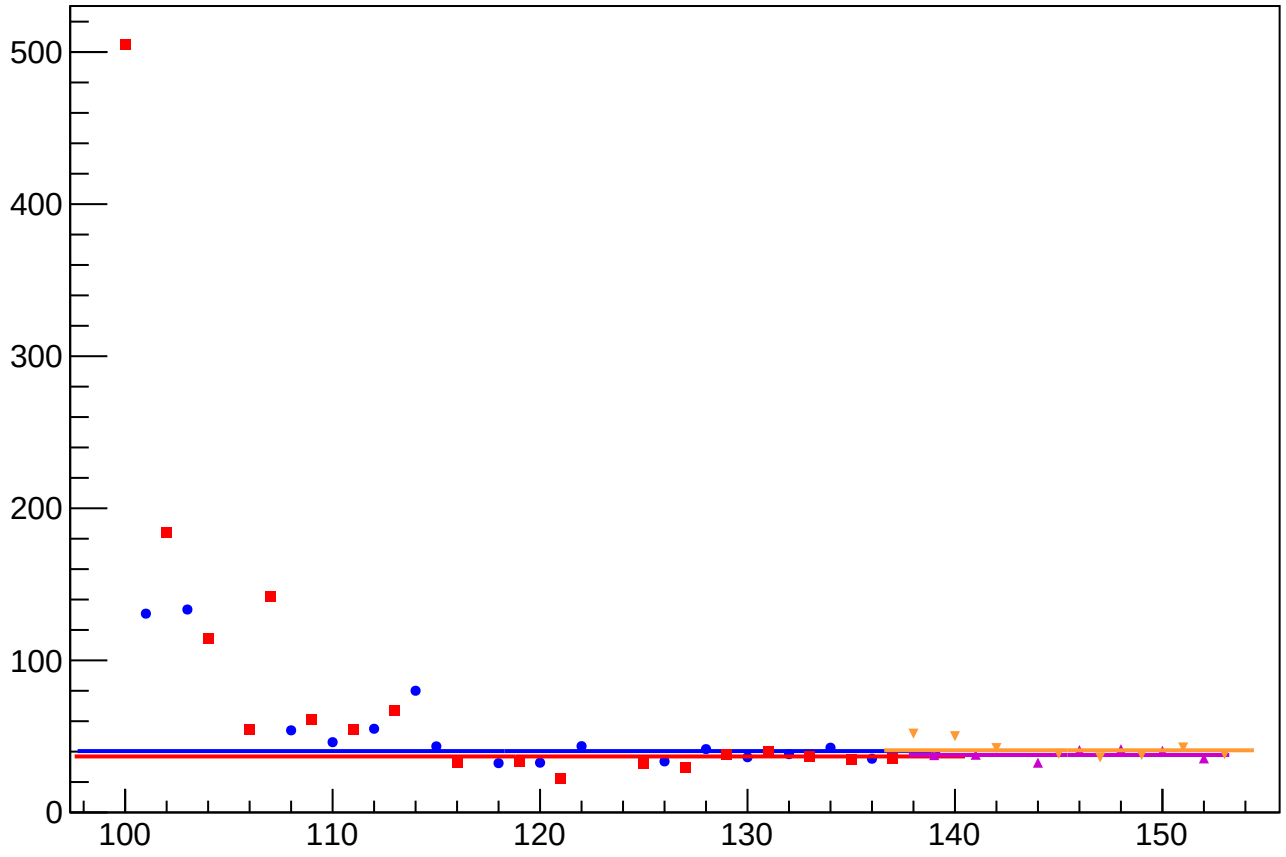
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.015+/-0.017 χ^2/NDF:6.6/6

+ sign 0.005+/-0.012 χ^2/NDF: 20.9/23

All: -0.001+/-0.008 χ^2/NDF: 39.3/48

- sign -0.007+/-0.012 χ^2/NDF: 17.9/24



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.868+/-0.012 χ^2/NDF:160390.5/7

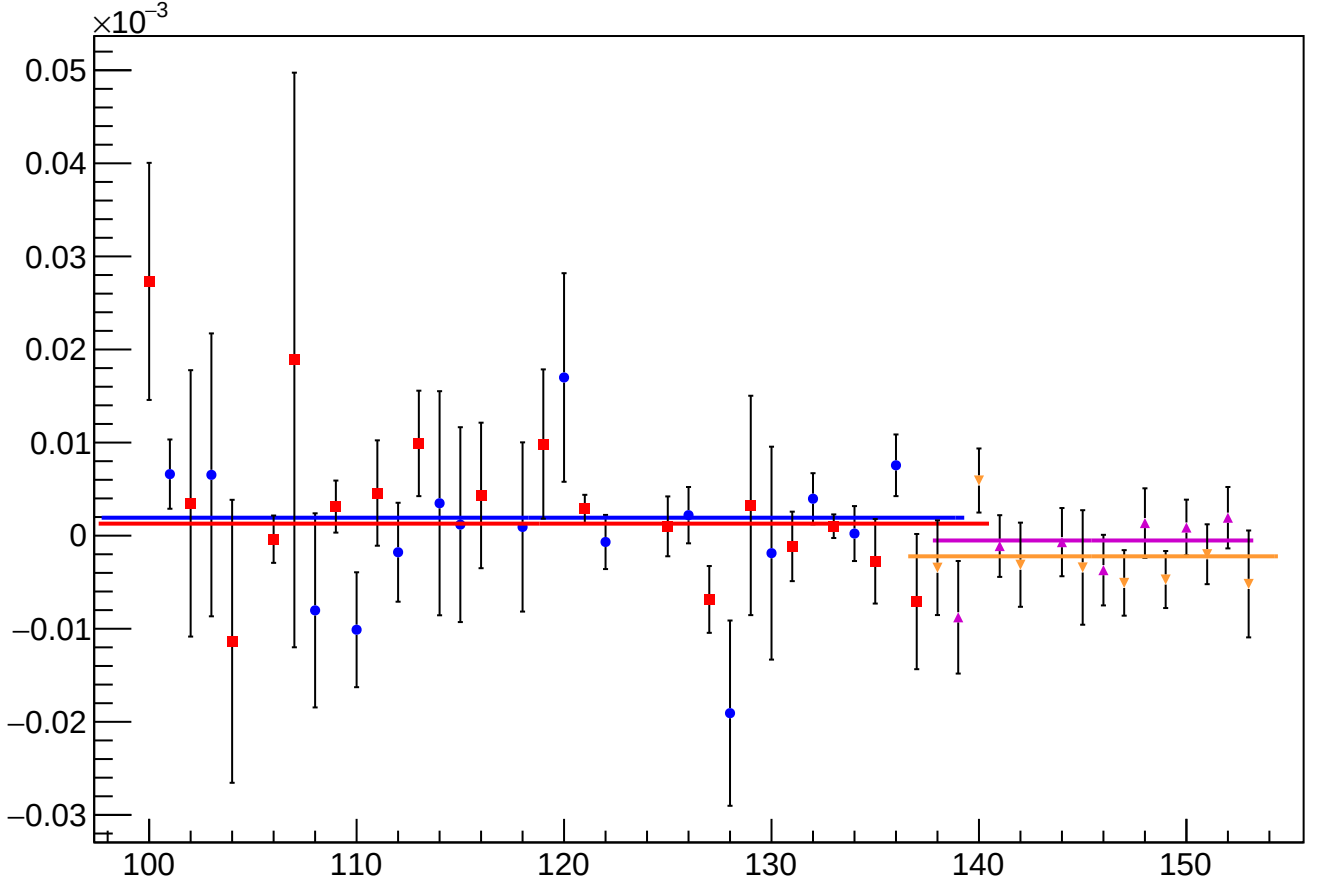
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.787+/-0.012 χ^2/NDF:69442.9/6

+ sign 40.601+/-0.009 χ^2/NDF: 1571411.7/23

All: 38.882+/-0.006 χ^2/NDF: 3556385.7/48

- sign 37.309+/-0.008 χ^2/NDF: 1909925.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/7

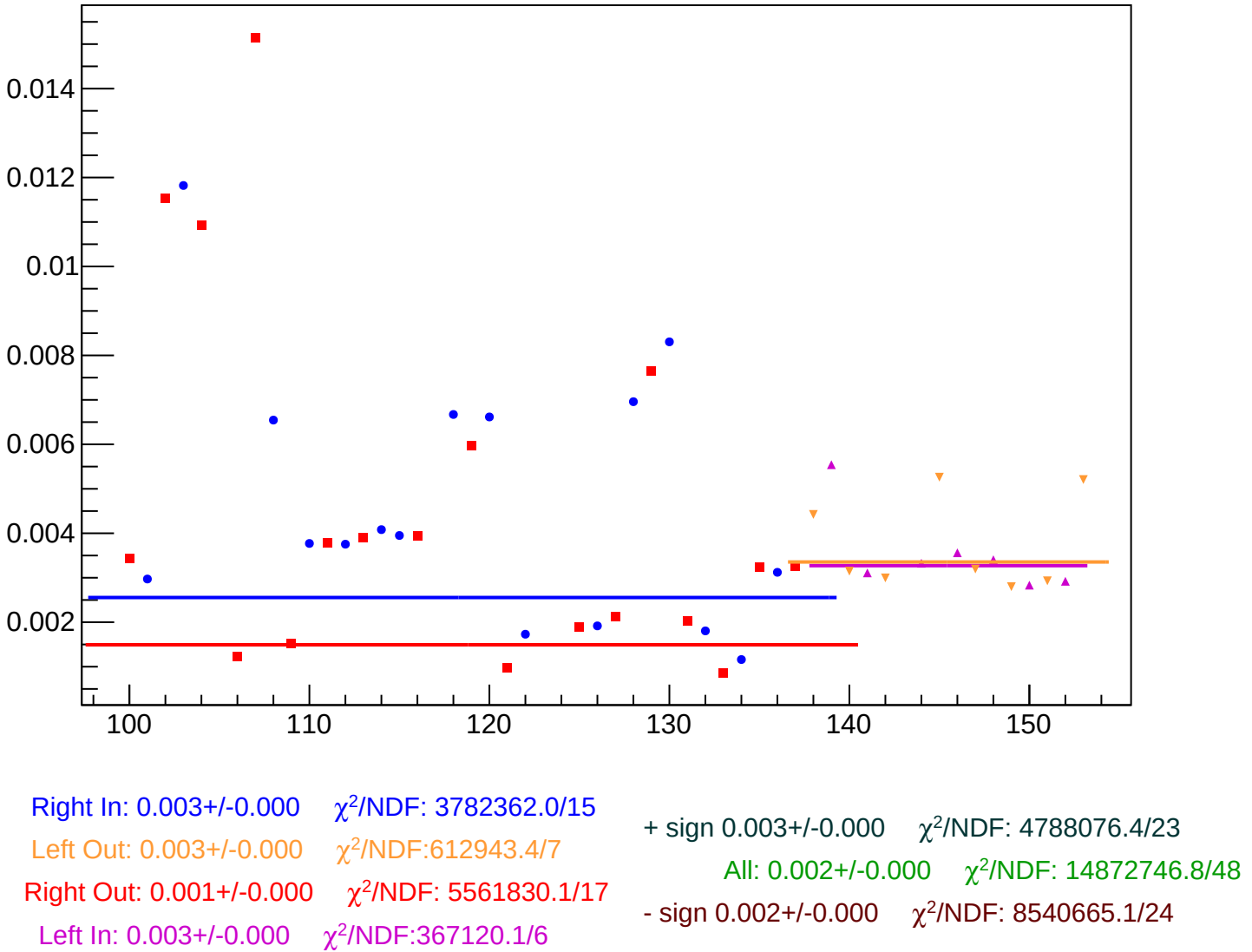
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

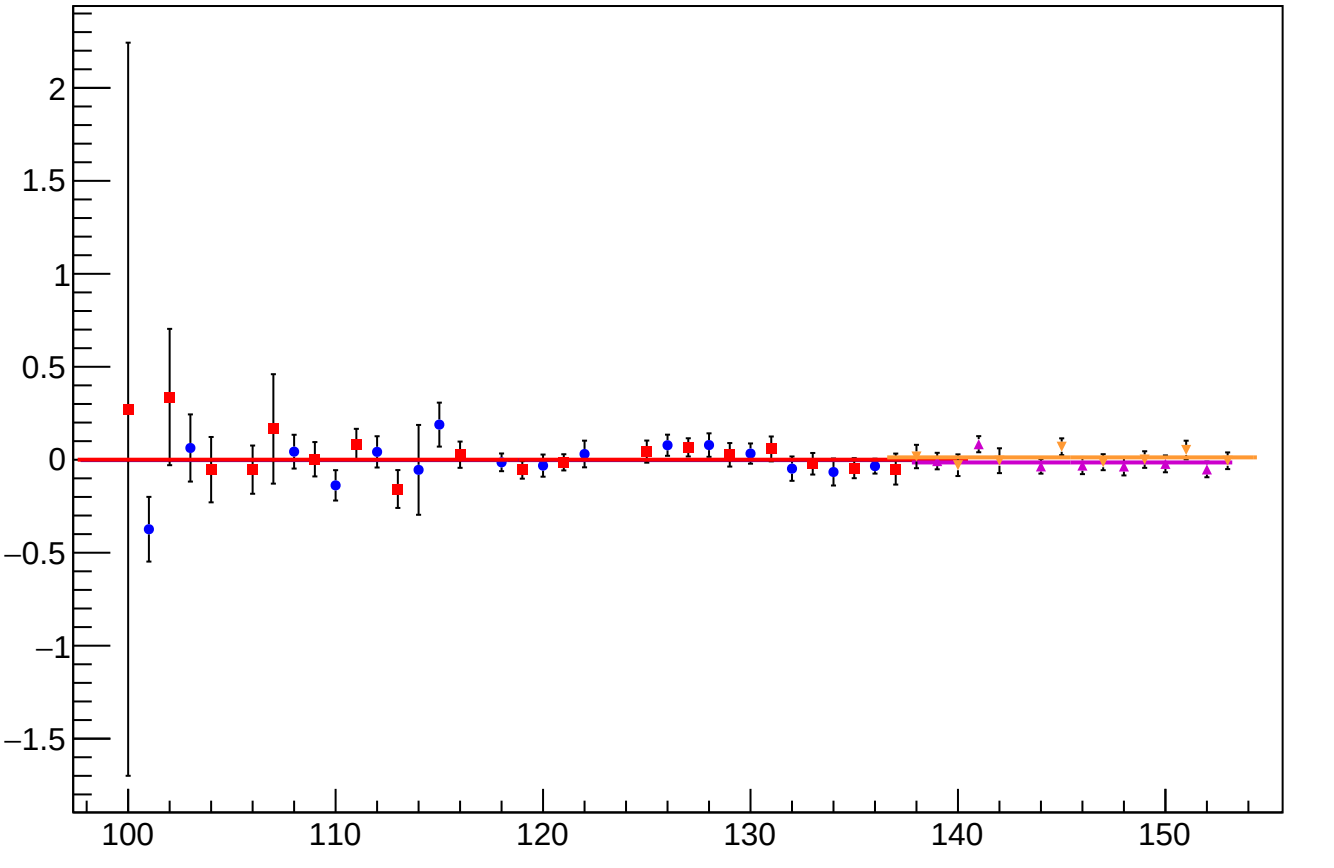
Left In: -0.000+/-0.000 χ^2/NDF:3.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/23

All: 0.000+/-0.000 χ^2/NDF: 54.6/48

- sign 0.000+/-0.000 χ^2/NDF: 23.9/24


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.003+/-0.000 χ²/NDF:612943.4/7
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.003+/-0.000 χ²/NDF:367120.1/6
+ sign 0.003+/-0.000 χ²/NDF: 4788076.4/23
All: 0.002+/-0.000 χ²/NDF: 14872746.8/48
- sign 0.002+/-0.000 χ²/NDF: 8540665.1/24



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.013+/-0.018 χ^2/NDF:3.4/7

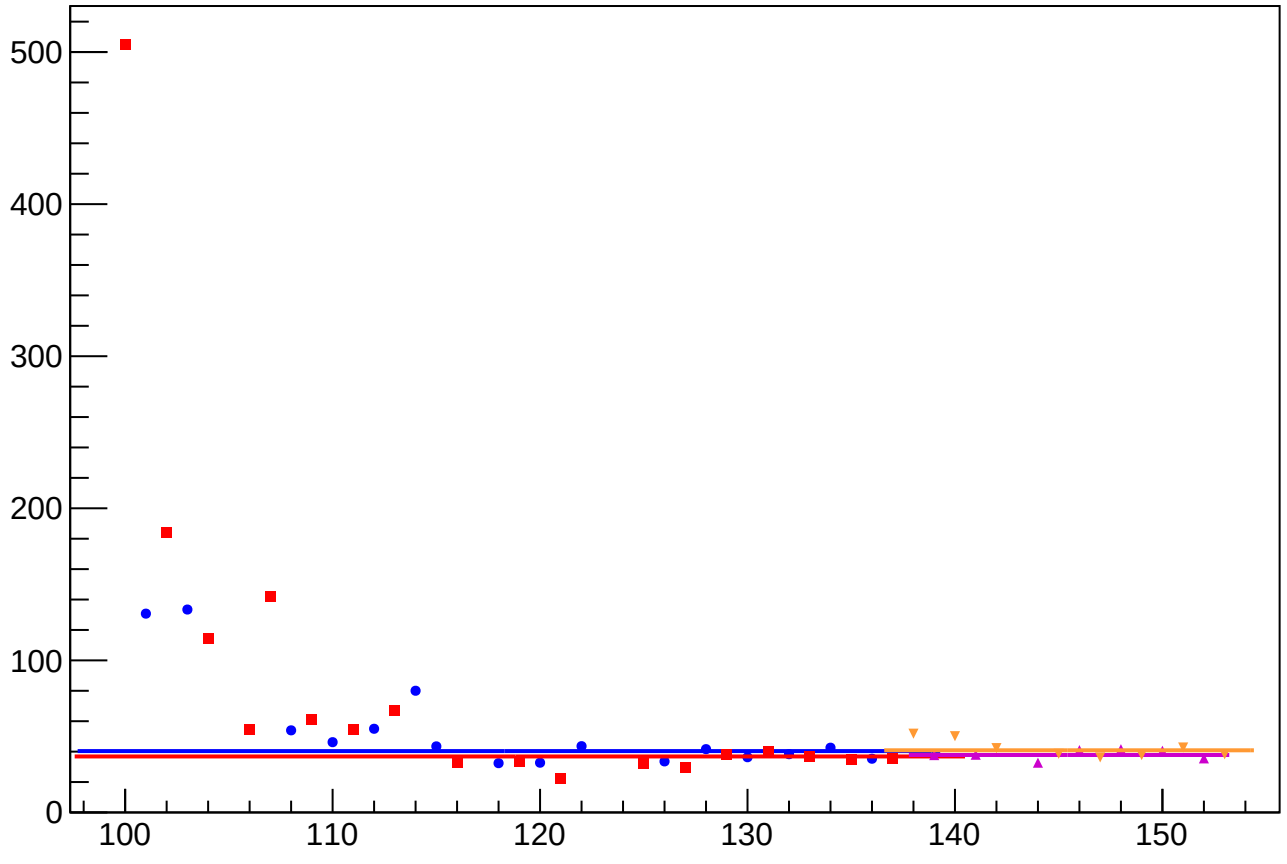
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.015+/-0.017 χ^2/NDF:6.6/6

+ sign 0.005+/-0.012 χ^2/NDF: 20.9/23

All: -0.001+/-0.008 χ^2/NDF: 39.3/48

- sign -0.007+/-0.012 χ^2/NDF: 17.9/24



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.868+/-0.012 χ^2/NDF:160399.9/7

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

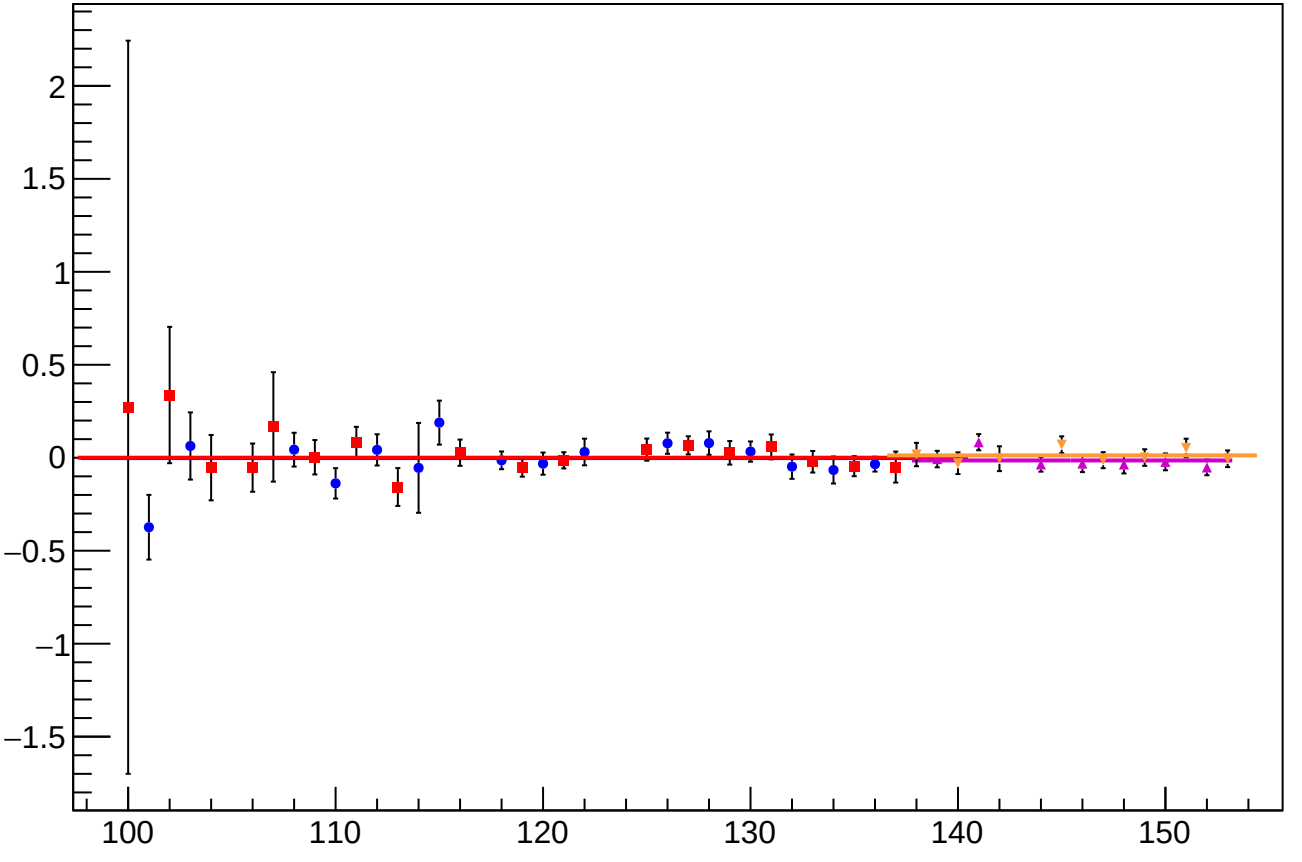
Left In: 37.787+/-0.012 χ^2/NDF:69435.1/6

\+ sign 40.601+/-0.009 χ^2/NDF: 1571318.2/23

All: 38.881+/-0.006 χ^2/NDF: 3556315.3/48

\- sign 37.309+/-0.008 χ^2/NDF: 1909917.2/24

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.013+/-0.018 χ^2/NDF:3.4/7

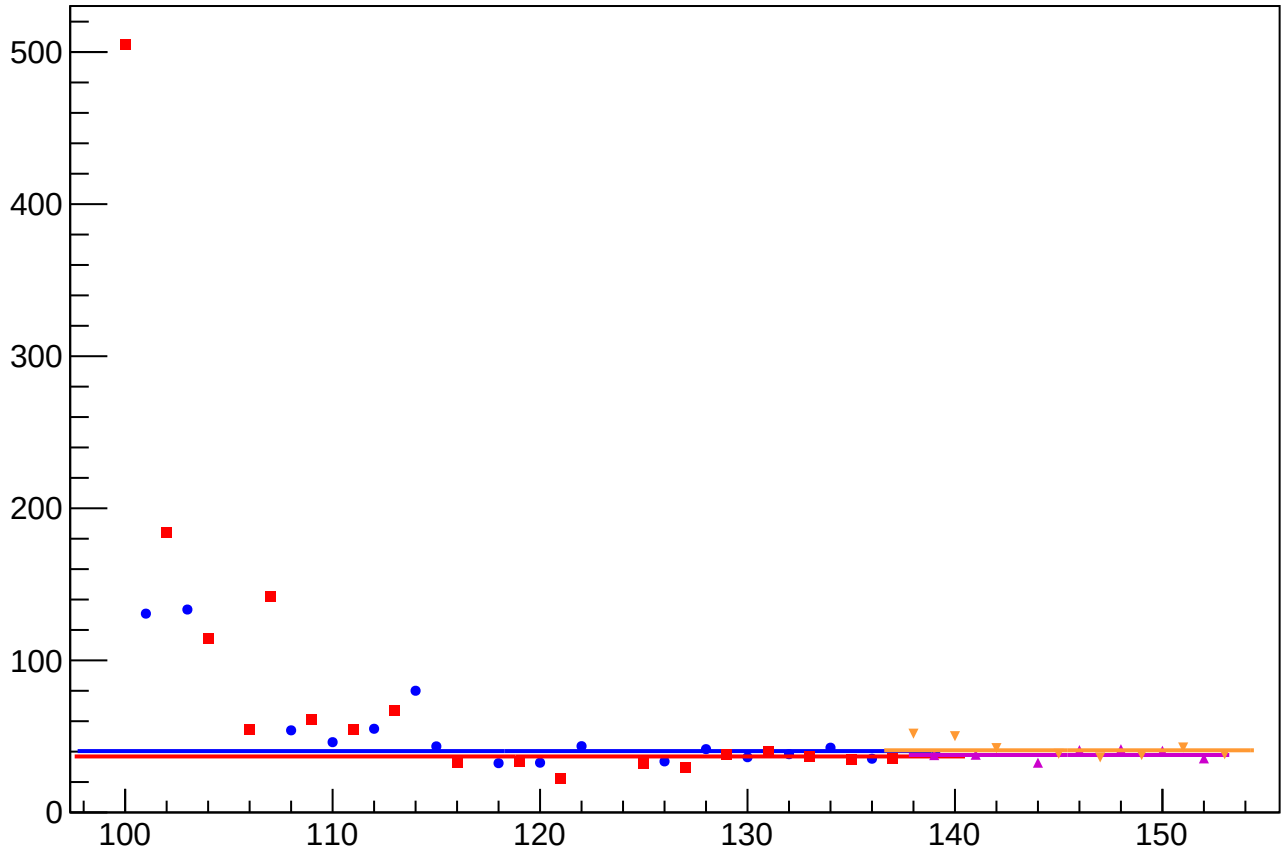
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.015+/-0.017 χ^2/NDF:6.6/6

+ sign 0.005+/-0.012 χ^2/NDF: 20.9/23

All: -0.001+/-0.008 χ^2/NDF: 39.3/48

- sign -0.007+/-0.012 χ^2/NDF: 17.9/24



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.868+/-0.012 χ^2/NDF:160399.9/7

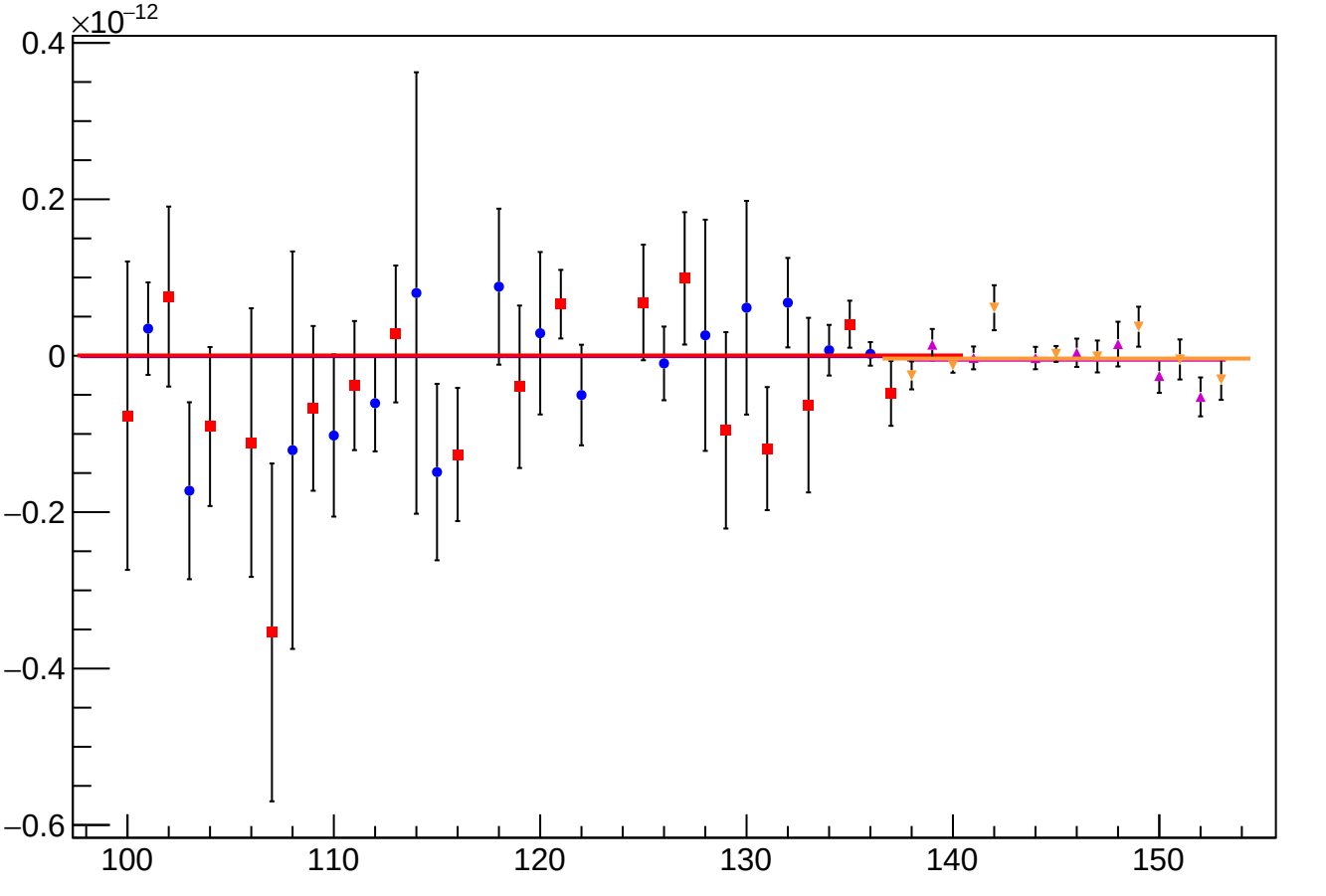
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.787+/-0.012 χ^2/NDF:69435.1/6

+ sign 40.601+/-0.009 χ^2/NDF: 1571318.2/23

All: 38.881+/-0.006 χ^2/NDF: 3556315.3/48

- sign 37.309+/-0.008 χ^2/NDF: 1909917.2/24



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/7

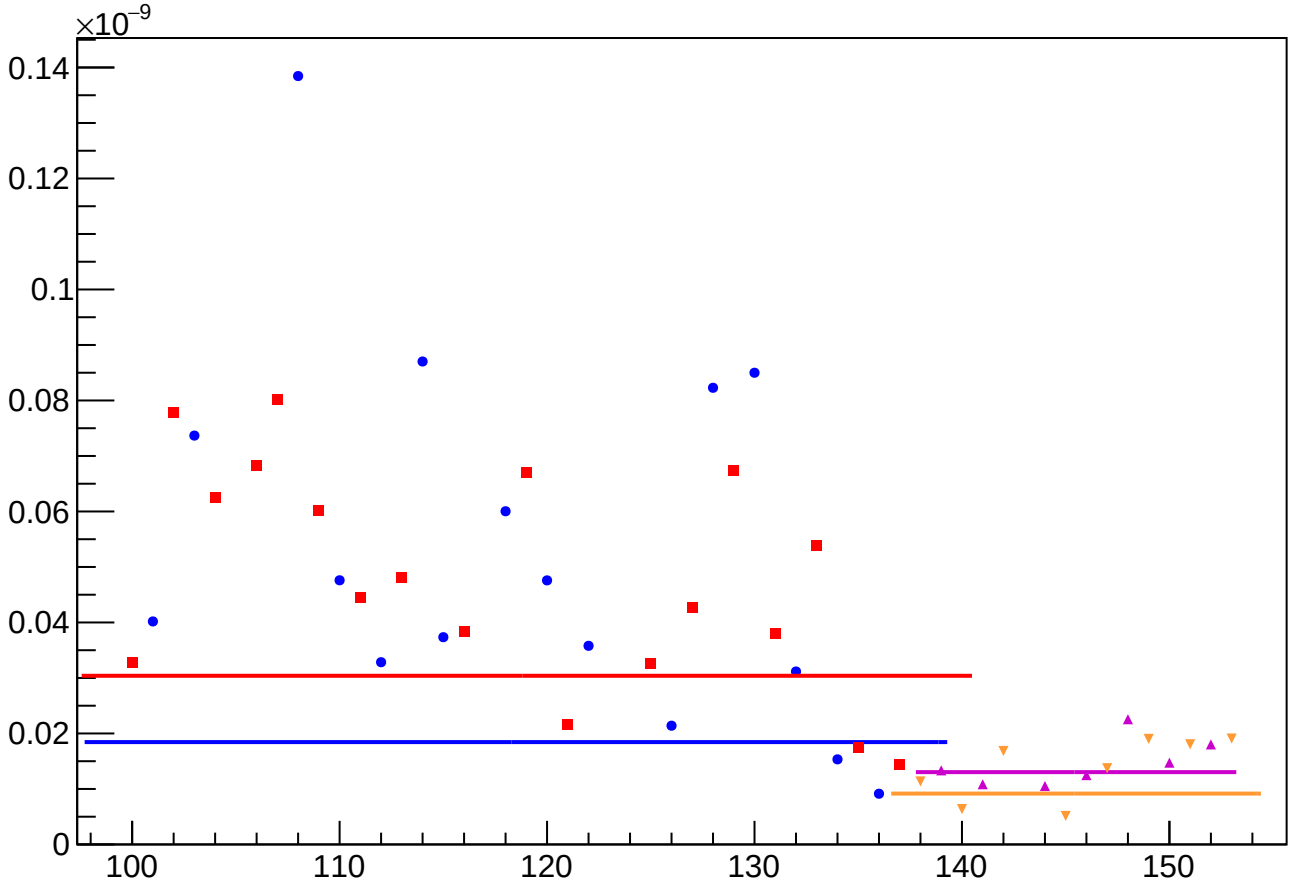
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:6.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 21.3/23

All: -0.000+/-0.000 χ^2/NDF: 46.0/48

- sign -0.000+/-0.000 χ^2/NDF: 24.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1590831.0/7

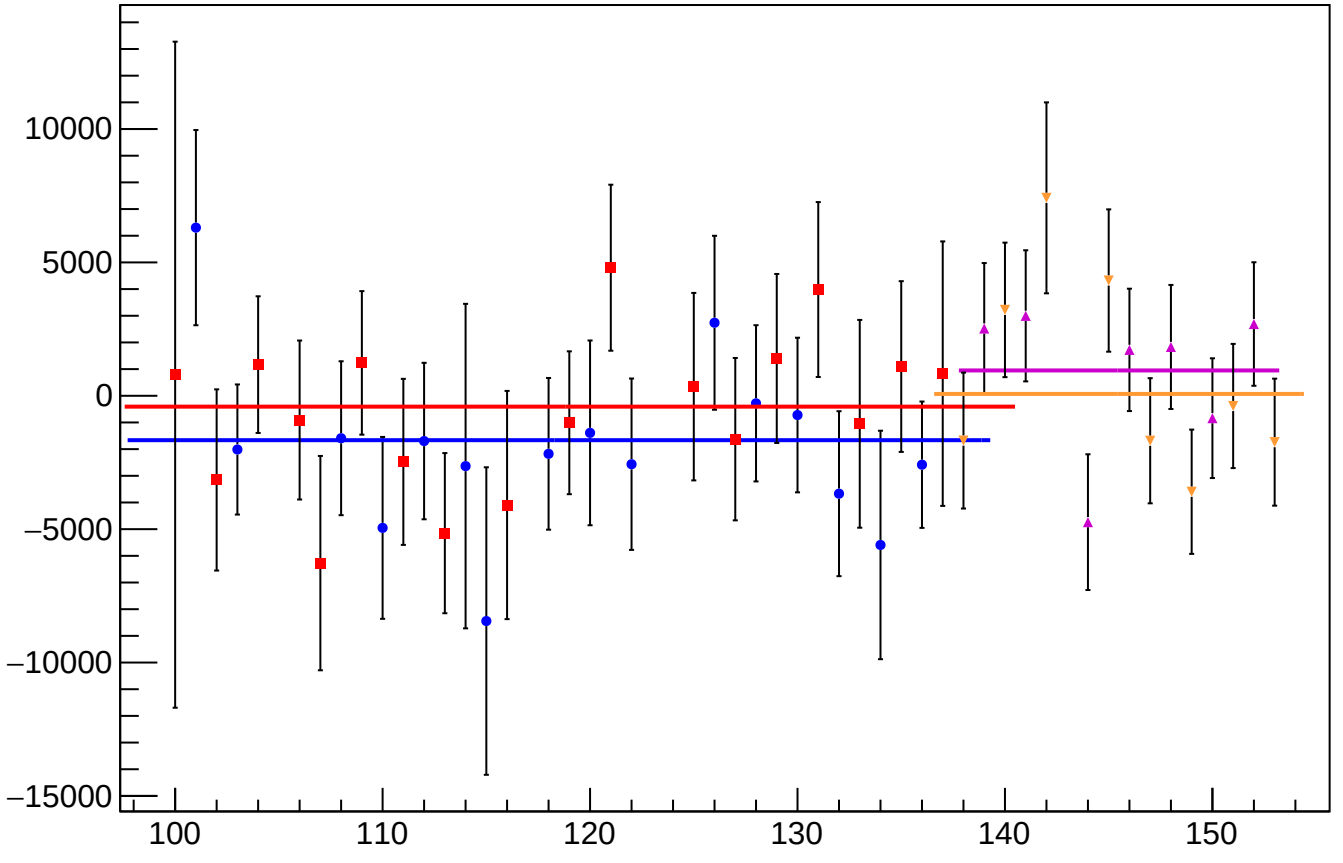
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:423144.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 6659006.9/23

All: 0.000+/-0.000 χ^2/NDF: 12035479.2/48

- sign 0.000+/-0.000 χ^2/NDF: 4689056.7/24



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 69.578+/-891.958 χ^2/NDF:12.4/7

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

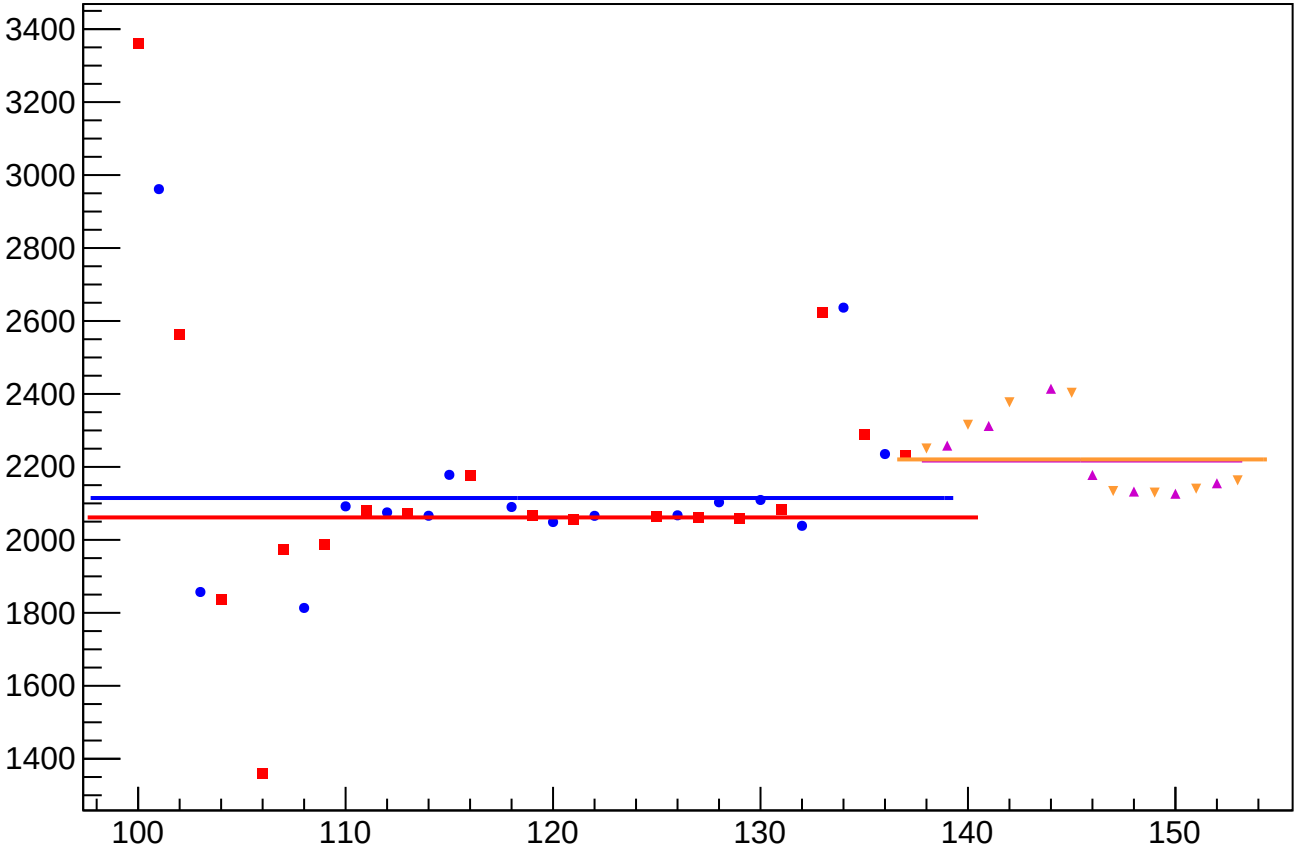
Left In: 950.068+/-895.856 χ^2/NDF:7.6/6

+ sign -899.747+/-592.297 χ^2/NDF: 25.3/23

All: -357.174+/-416.949 χ^2/NDF: 48.6/48

- sign 175.821+/-587.047 χ^2/NDF: 21.6/24

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2220.541+/-0.631 χ^2/NDF:25638.1/7

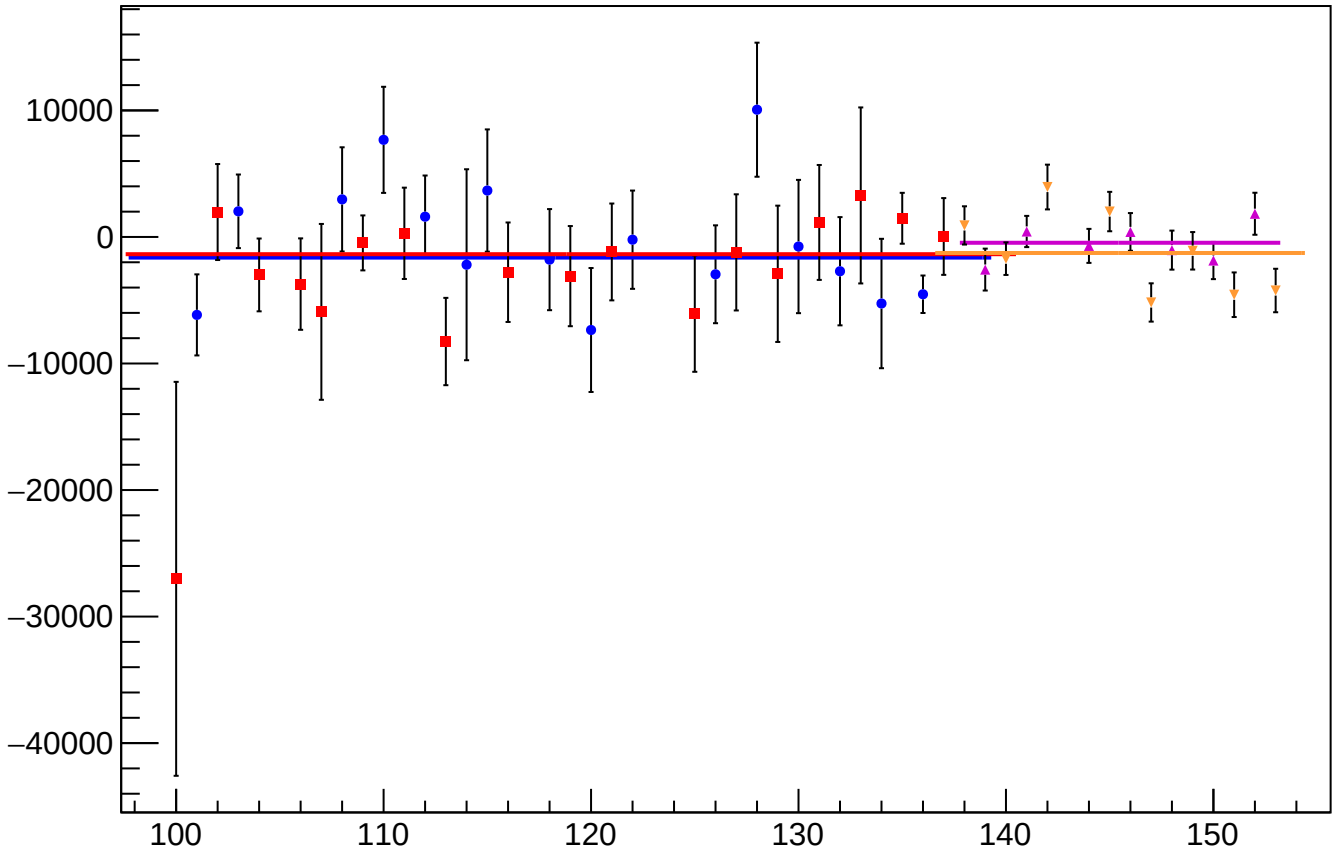
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2217.476+/-0.633 χ^2/NDF:23498.6/6

+ sign 2161.402+/-0.419 χ^2/NDF: 231285.7/23

All: 2144.810+/-0.295 χ^2/NDF: 541649.2/48

- sign 2128.511+/-0.415 χ^2/NDF: 307252.4/24



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1266.075+/-548.171 χ^2/NDF:28.5/7

Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

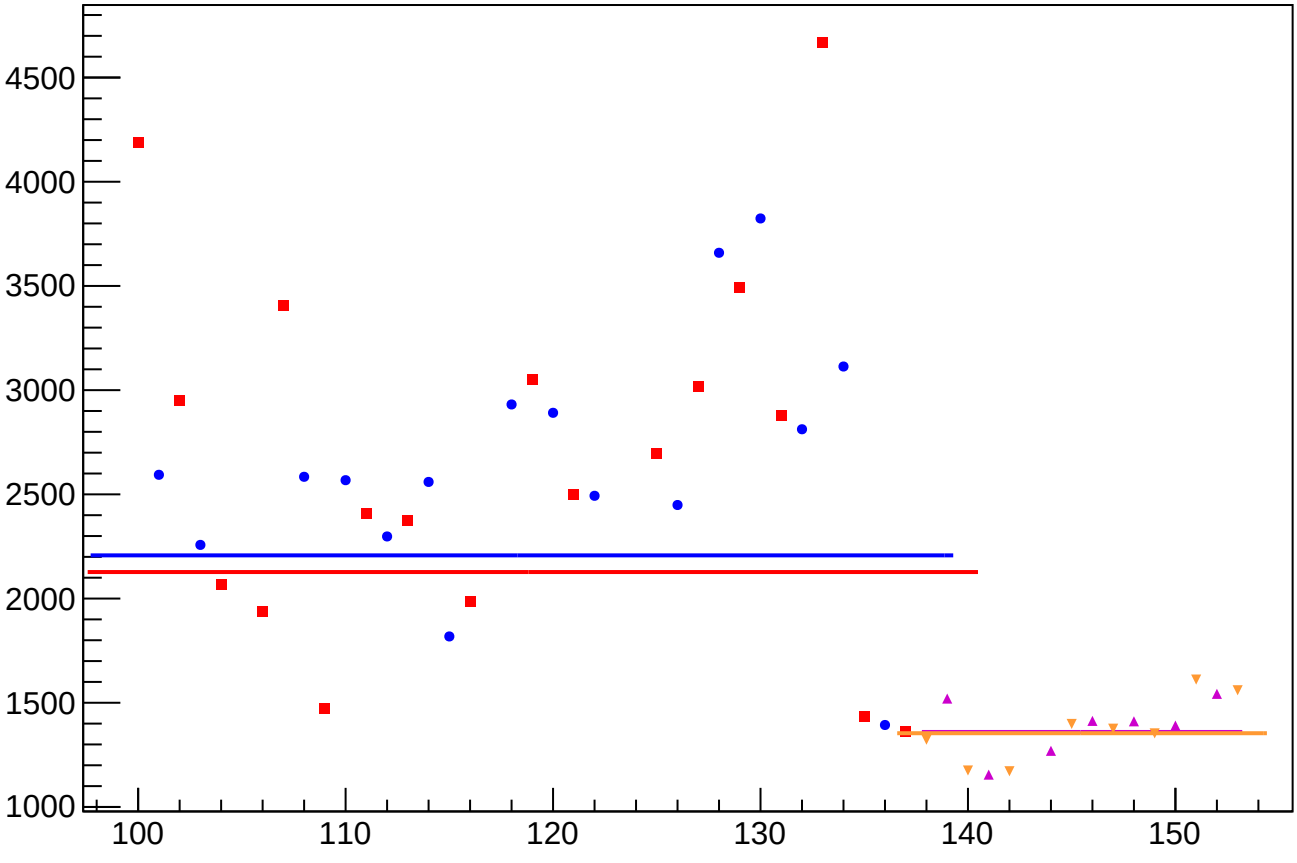
Left In: -458.976+/-552.765 χ^2/NDF:5.5/6

+ sign -1370.933+/-462.626 χ^2/NDF: 51.5/23

All: -1050.720+/-326.842 χ^2/NDF: 72.2/48

- sign -731.615+/-461.825 χ^2/NDF: 19.8/24

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1353.854+/-0.388 χ^2/NDF:134344.8/7

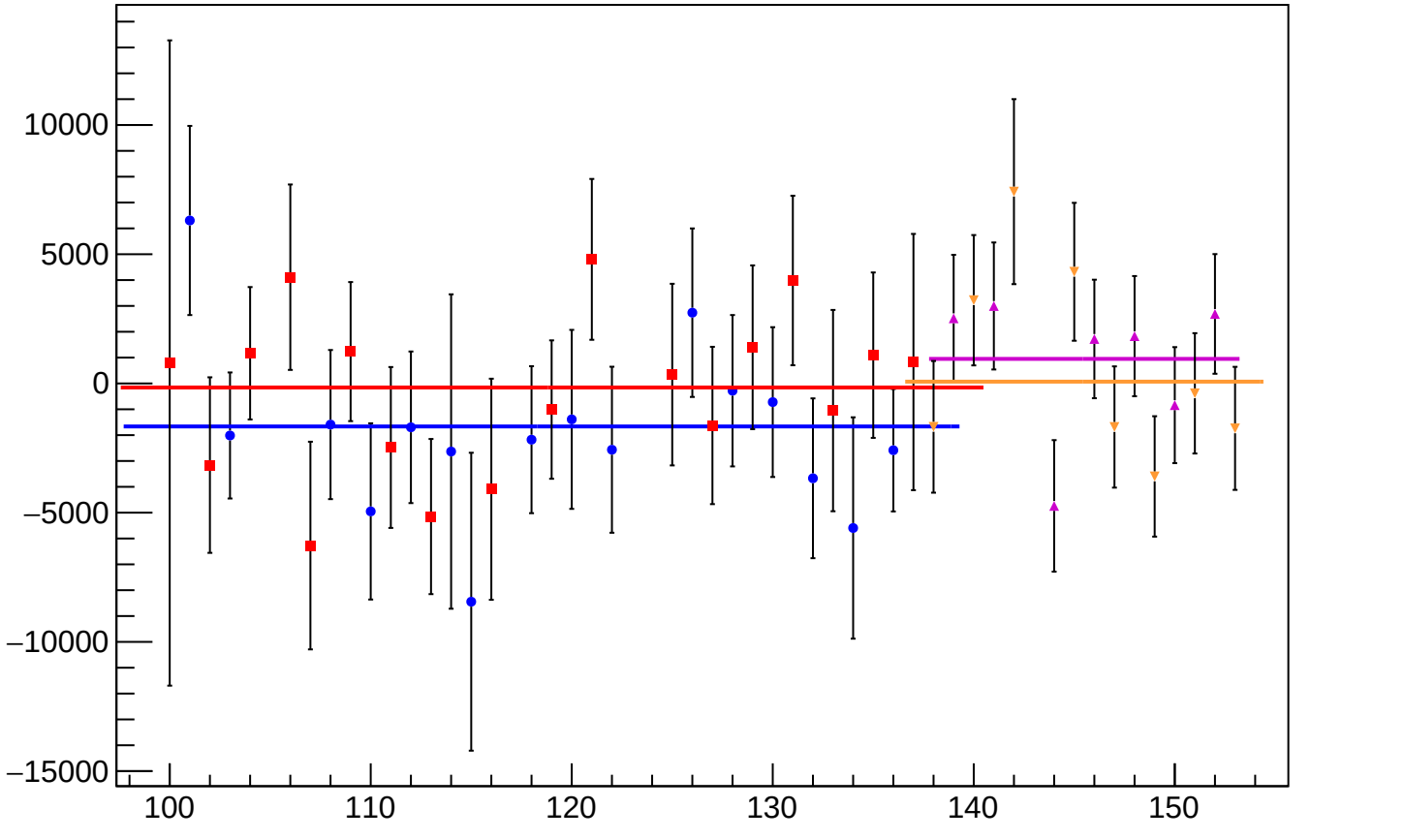
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1359.832+/-0.391 χ^2/NDF:112784.7/6

+ sign 1599.425+/-0.327 χ^2/NDF: 2778466.8/23

All: 1595.487+/-0.231 χ^2/NDF: 5513574.8/48

- sign 1591.562+/-0.327 χ^2/NDF: 2734818.6/24



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 69.726+/-891.958 χ^2/NDF:12.4/7

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

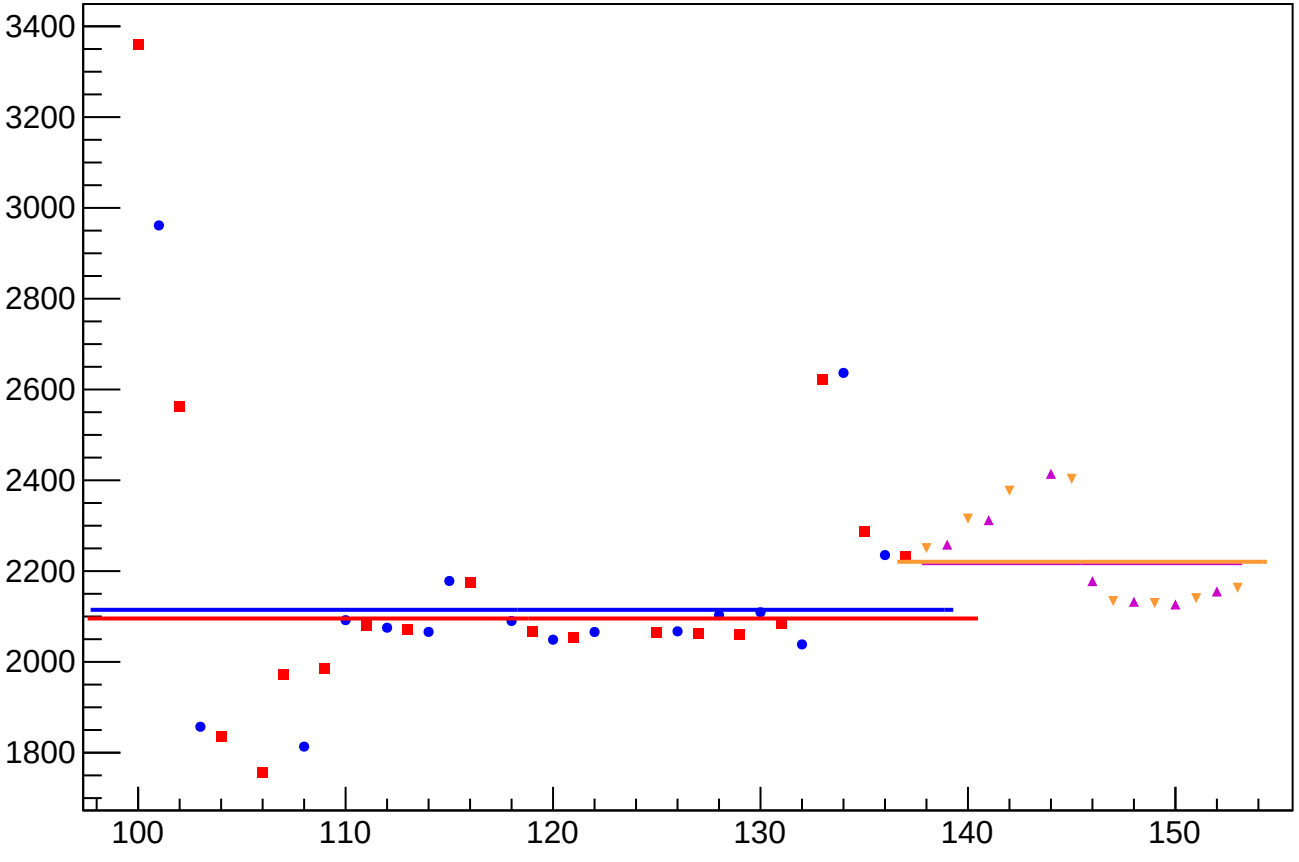
Left In: 950.043+/-895.856 χ^2/NDF:7.6/6

+ sign -899.640+/-592.297 χ^2/NDF: 25.3/23

All: -285.647+/-418.219 χ^2/NDF: 50.1/48

- sign 324.852+/-590.609 χ^2/NDF: 22.6/24

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2220.541+/-0.631 χ^2/NDF:25638.1/7

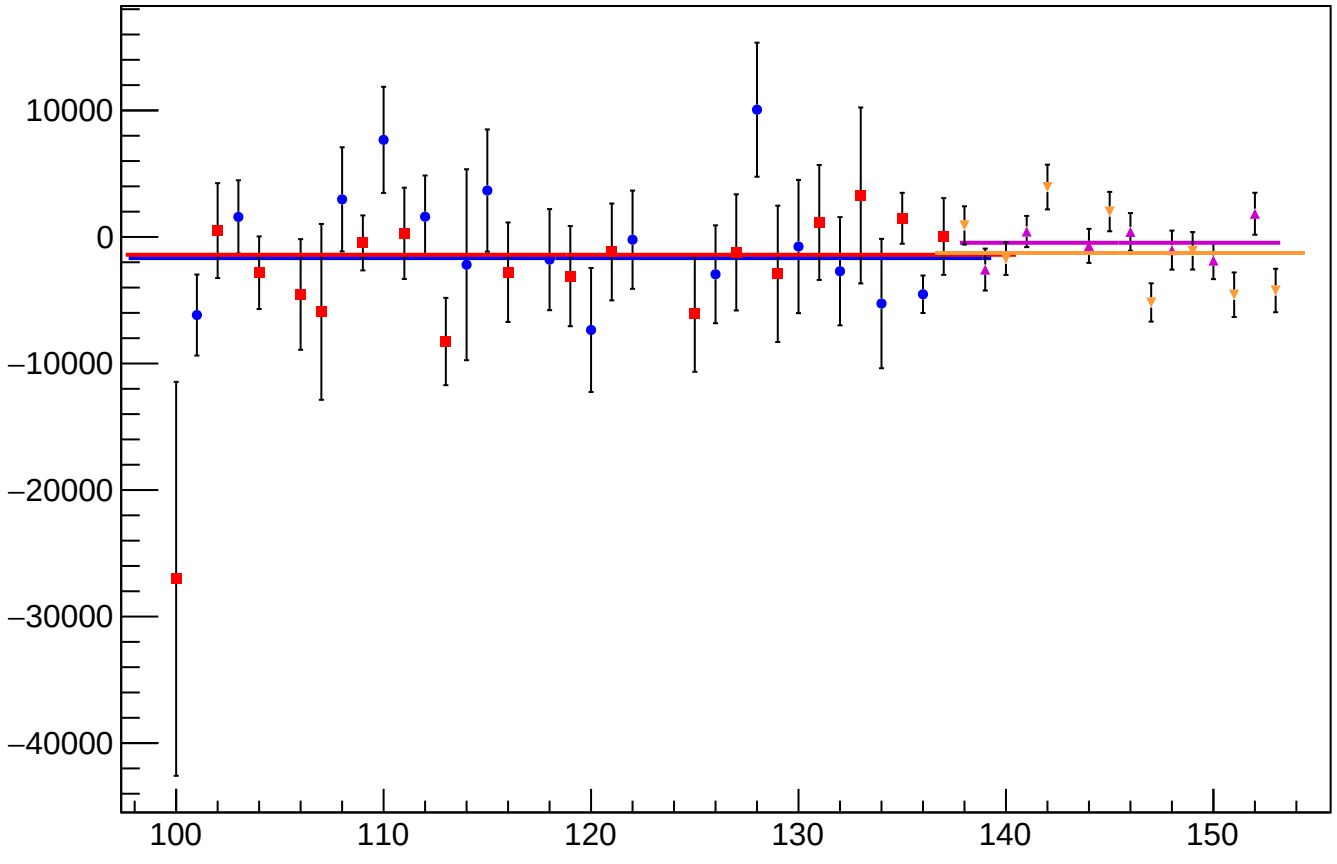
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2217.476+/-0.633 χ^2/NDF:23498.6/6

\+ sign 2161.401+/-0.419 χ^2/NDF: 231286.1/23

All: 2154.967+/-0.296 χ^2/NDF: 425544.6/48

\- sign 2148.569+/-0.418 χ^2/NDF: 193787.8/24



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1266.113+/-548.176 χ^2/NDF:28.5/7

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

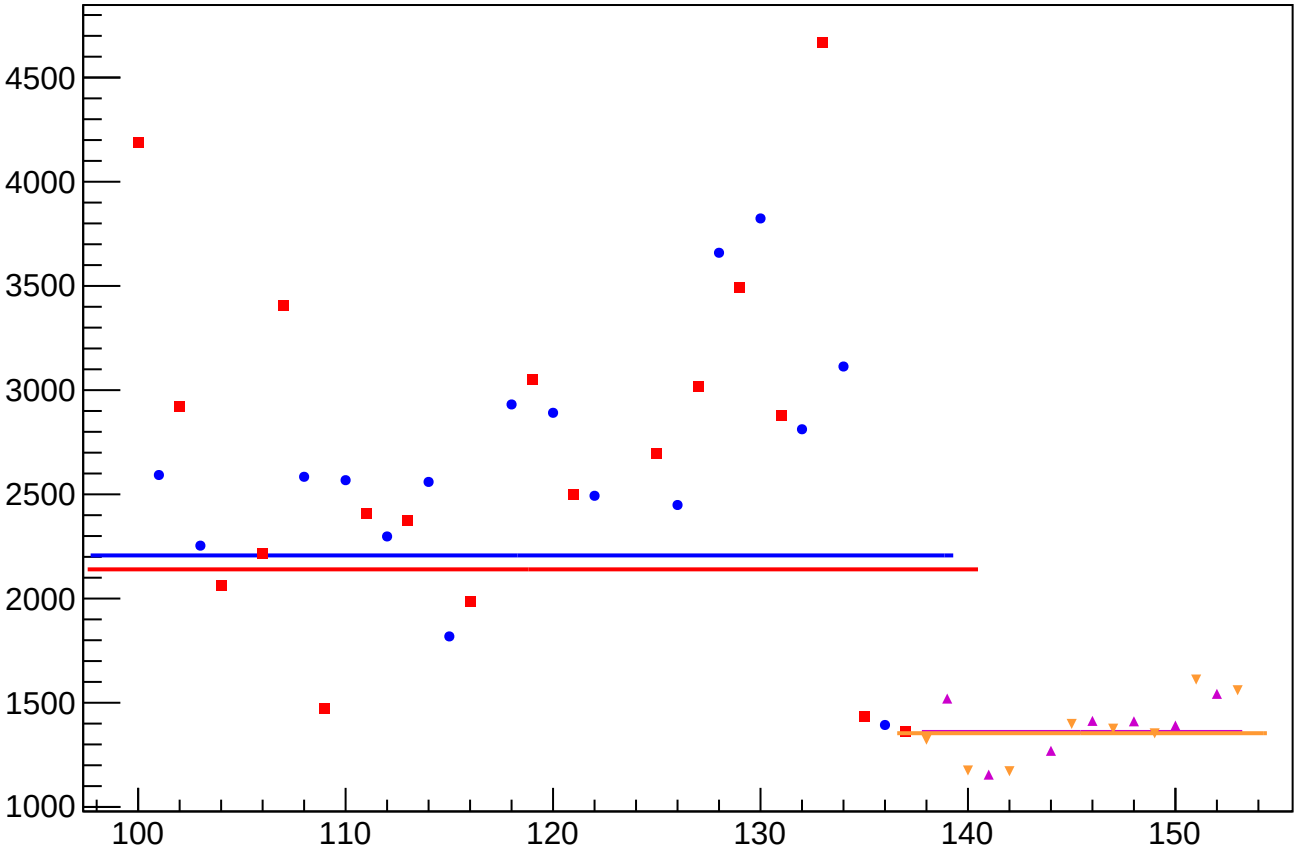
Left In: -458.935+/-552.763 χ^2/NDF:5.5/6

+ sign -1381.955+/-462.584 χ^2/NDF: 51.1/23

All: -1062.394+/-327.215 χ^2/NDF: 71.4/48

- sign -742.372+/-462.918 χ^2/NDF: 19.3/24

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1353.869+/-0.388 χ^2/NDF:134304.1/7

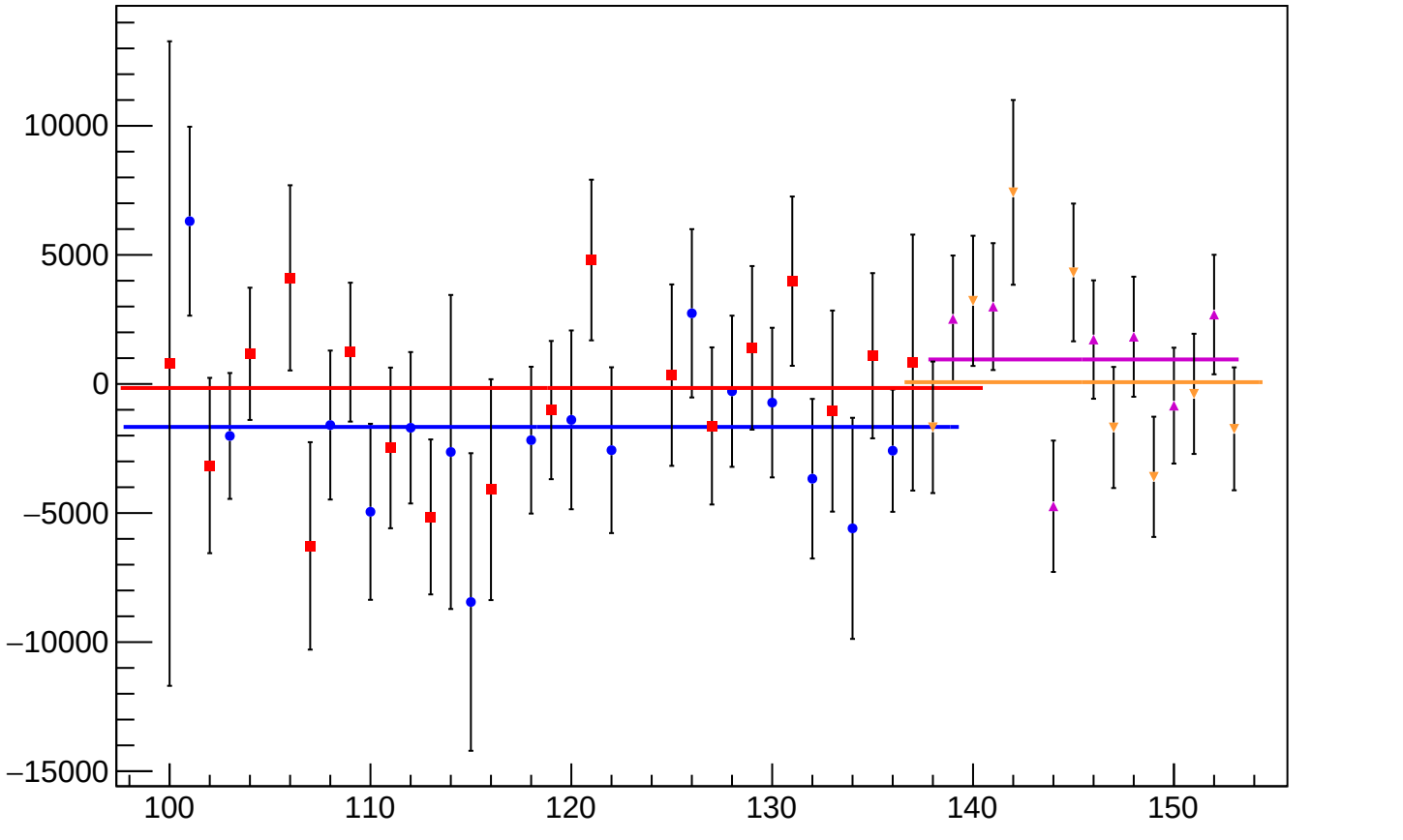
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1359.826+/-0.391 χ^2/NDF:112806.0/6

+ sign 1599.461+/-0.327 χ^2/NDF: 2777697.4/23

All: 1596.157+/-0.231 χ^2/NDF: 5529147.7/48

- sign 1592.848+/-0.327 χ^2/NDF: 2751246.0/24



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 69.726+/-891.958 χ^2/NDF:12.4/7

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

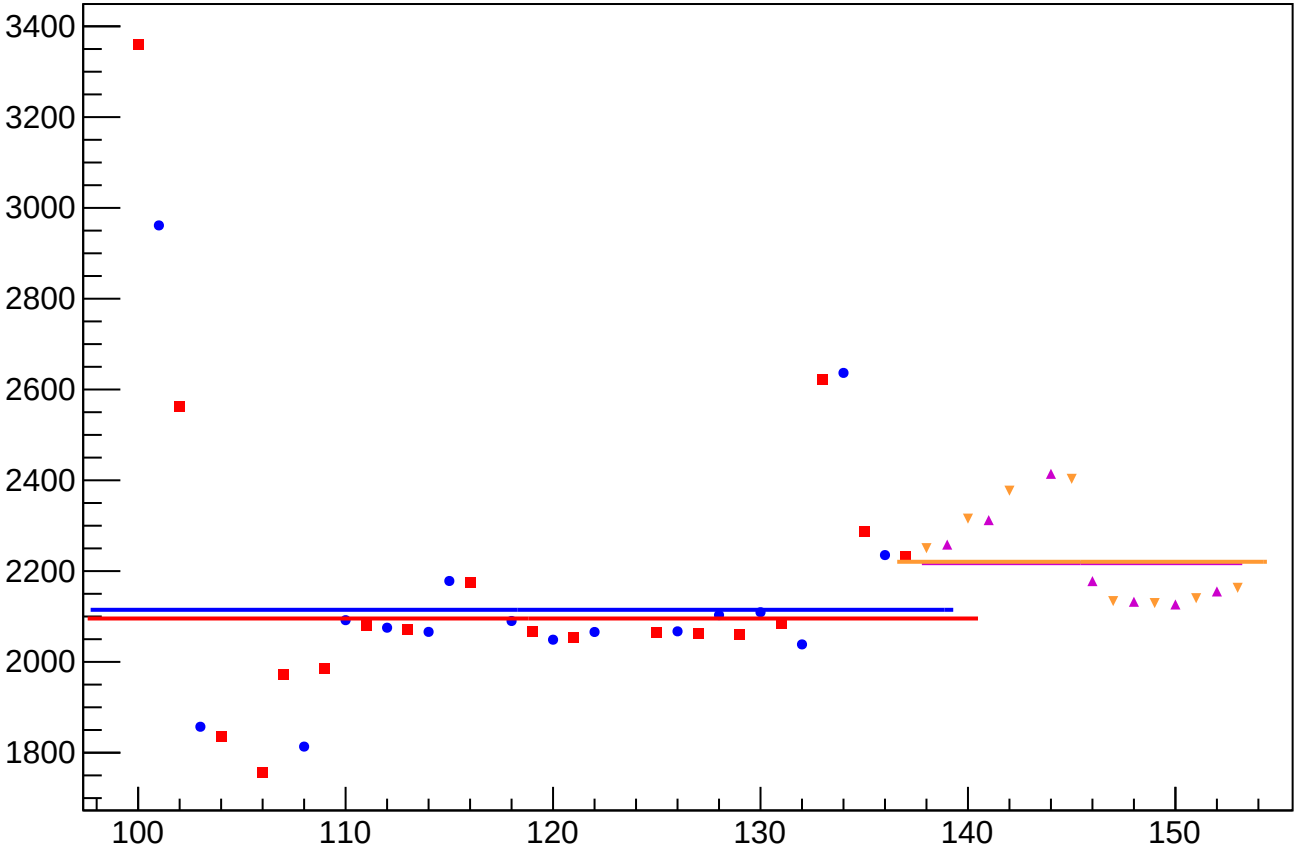
Left In: 950.043+/-895.856 χ^2/NDF:7.6/6

+ sign -899.640+/-592.297 χ^2/NDF: 25.3/23

All: -285.647+/-418.219 χ^2/NDF: 50.1/48

- sign 324.852+/-590.609 χ^2/NDF: 22.6/24

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2220.541+/-0.631 χ^2/NDF:25638.1/7

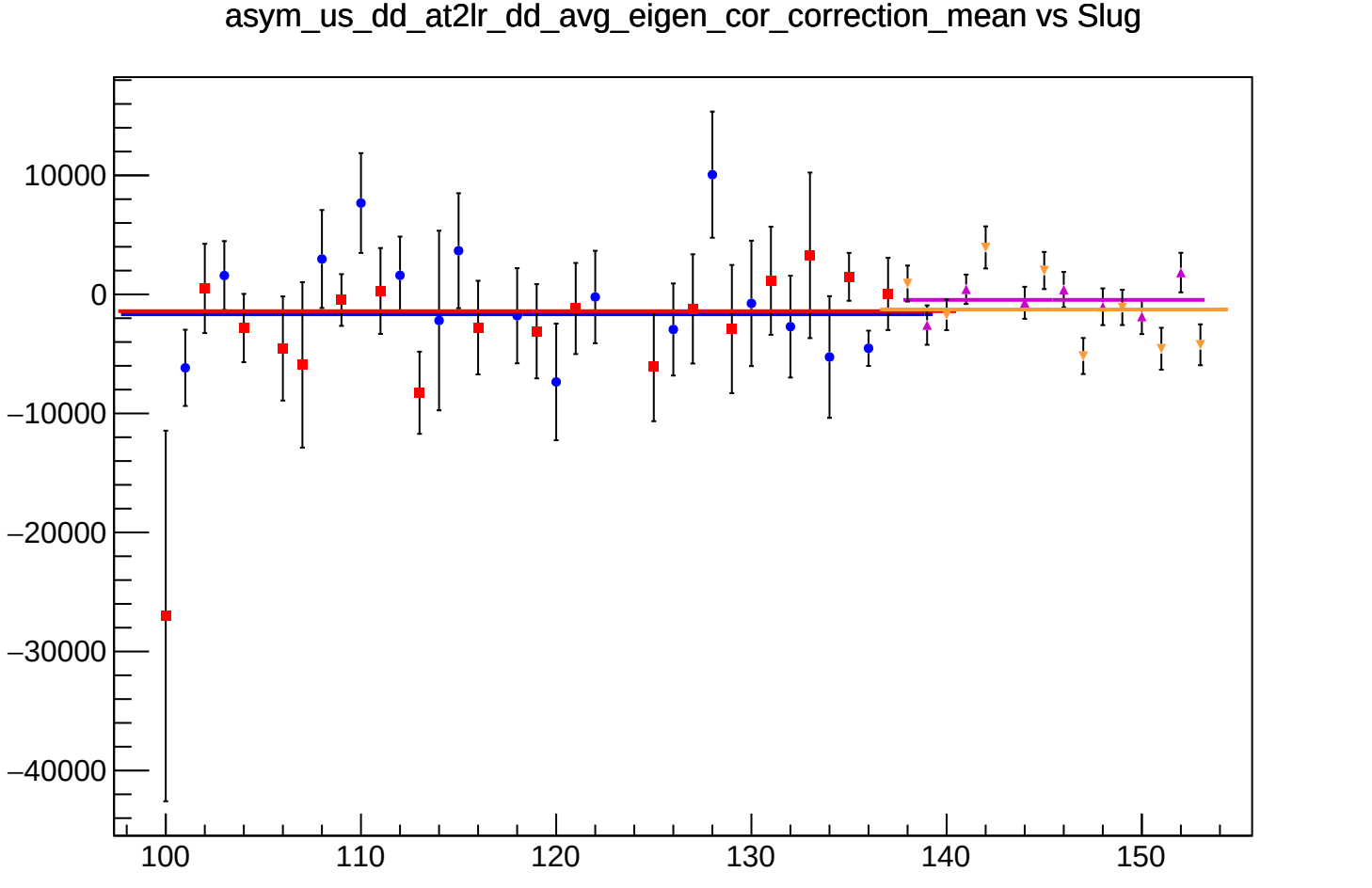
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2217.476+/-0.633 χ^2/NDF:23498.6/6

+ sign 2161.401+/-0.419 χ^2/NDF: 231286.1/23

All: 2154.967+/-0.296 χ^2/NDF: 425544.6/48

- sign 2148.569+/-0.418 χ^2/NDF: 193787.8/24



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1266.113+/-548.176 χ^2/NDF:28.5/7

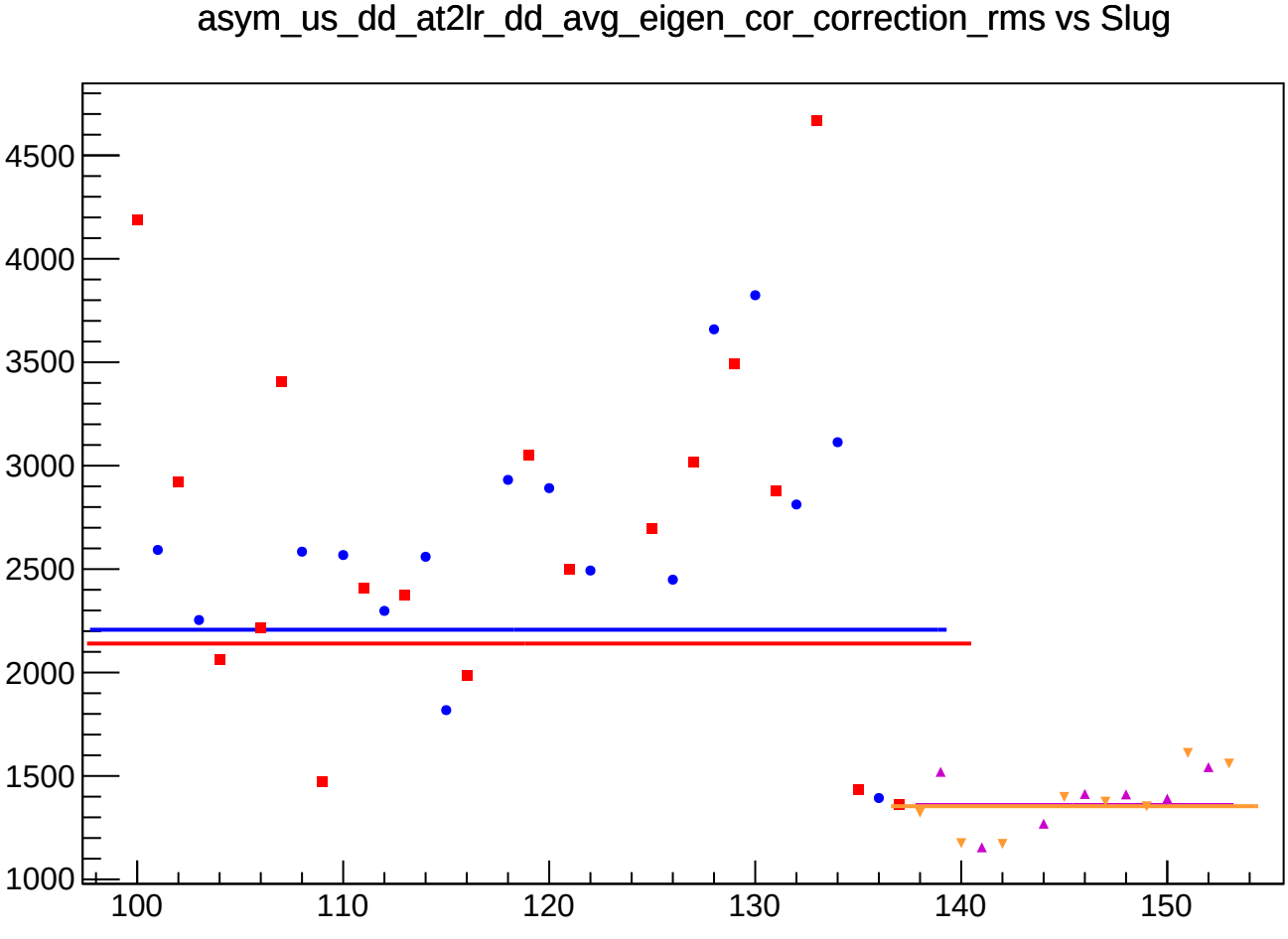
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -458.935+/-552.763 χ^2/NDF:5.5/6

+ sign -1381.955+/-462.584 χ^2/NDF: 51.1/23

All: -1062.394+/-327.215 χ^2/NDF: 71.4/48

- sign -742.372+/-462.918 χ^2/NDF: 19.3/24



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1353.869+/-0.388 χ^2/NDF:134304.1/7

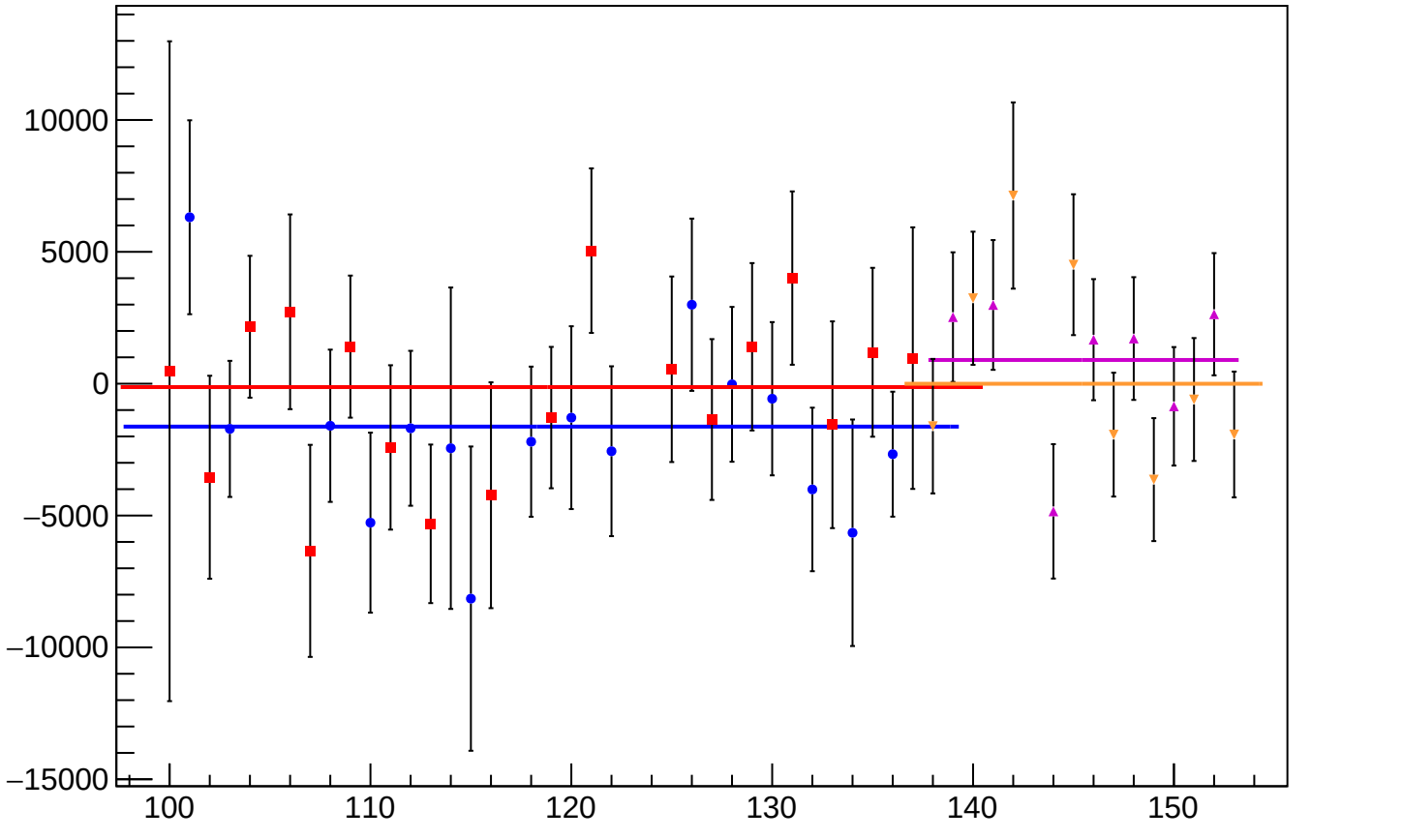
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1359.826+/-0.391 χ^2/NDF:112806.0/6

+ sign 1599.461+/-0.327 χ^2/NDF: 2777697.4/23

All: 1596.157+/-0.231 χ^2/NDF: 5529147.7/48

- sign 1592.848+/-0.327 χ^2/NDF: 2751246.0/24



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -2.935+/-892.094 χ^2/NDF:12.8/7

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

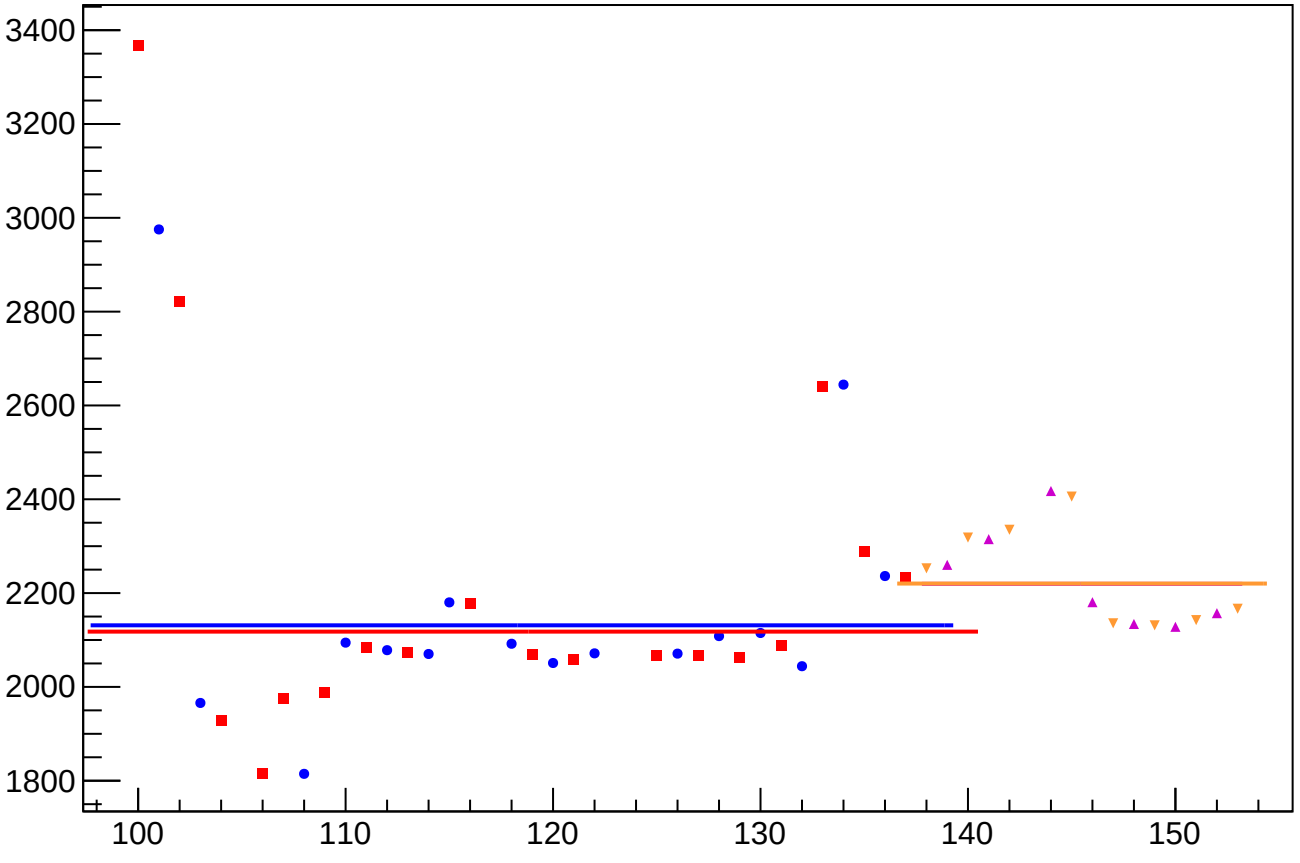
Left In: 899.665+/-896.754 χ^2/NDF:7.6/6

+ sign -905.492+/-594.751 χ^2/NDF: 26.0/23

All: -290.894+/-420.733 χ^2/NDF: 51.1/48

- sign 324.761+/-595.263 χ^2/NDF: 22.9/24

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2220.319+/-0.631 χ^2/NDF:23865.9/7

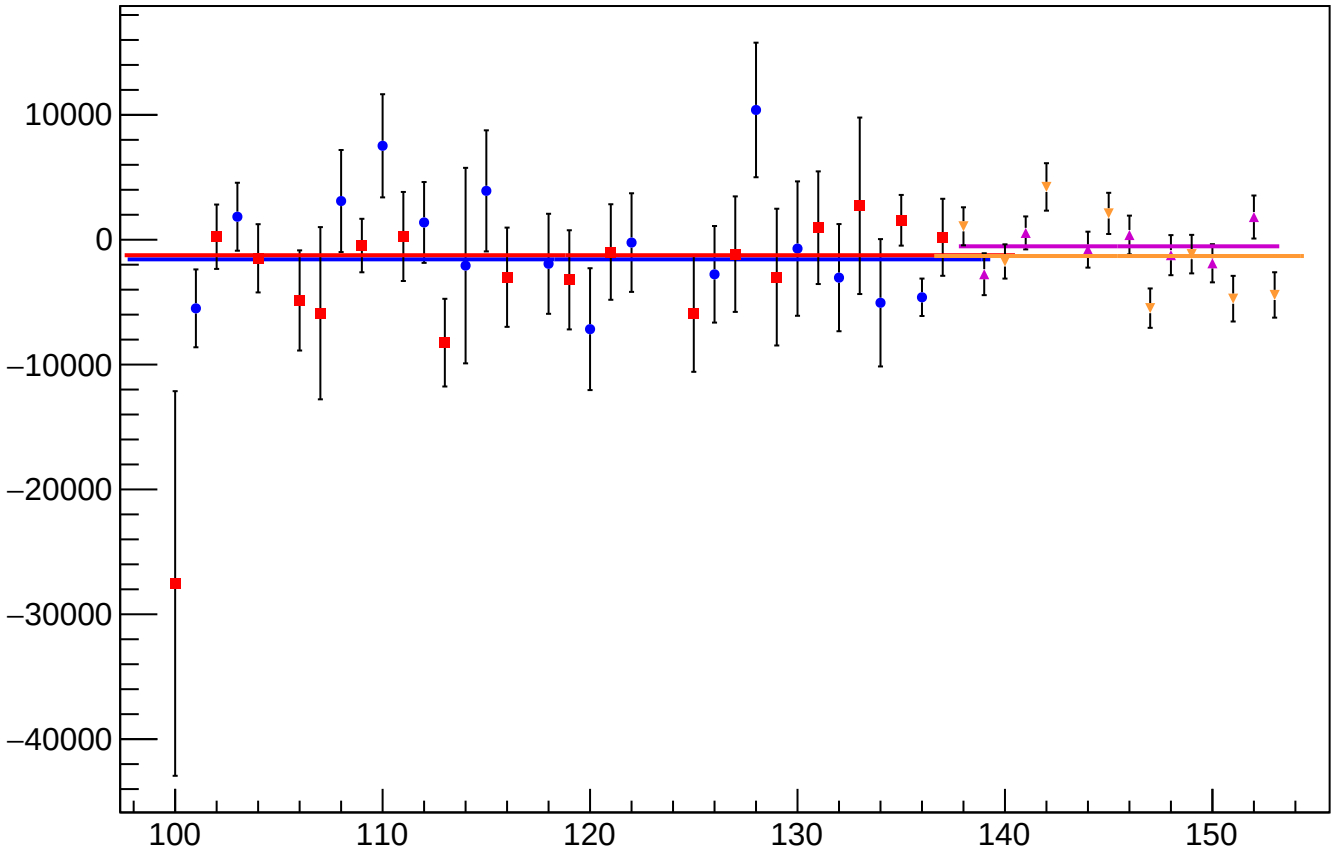
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2219.674+/-0.634 χ^2/NDF:23668.9/6

+ sign 2170.866+/-0.421 χ^2/NDF: 210872.6/23

All: 2166.799+/-0.298 χ^2/NDF: 412770.4/48

- sign 2162.726+/-0.421 χ^2/NDF: 201710.6/24



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1304.863+/-574.464 χ^2/NDF:28.8/7

Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

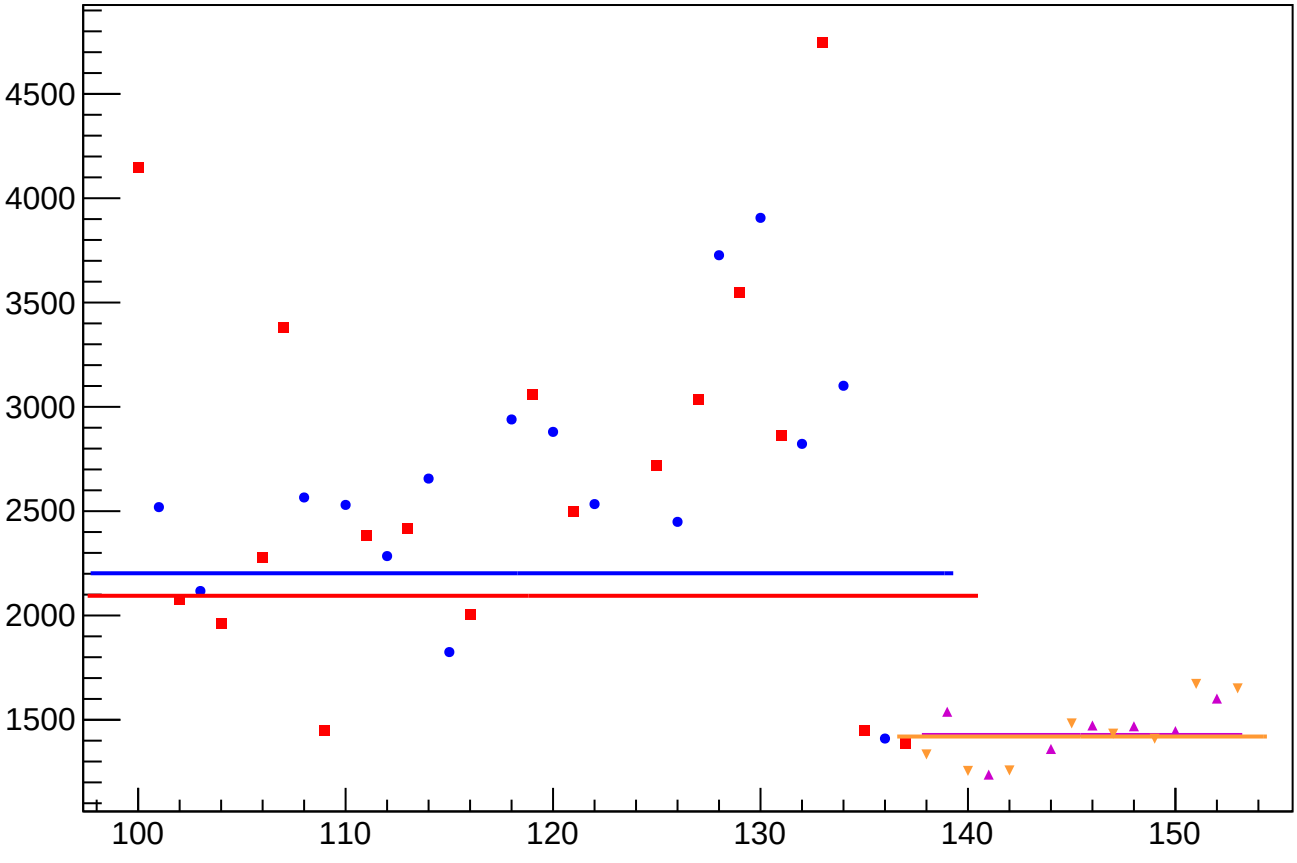
Left In: -527.031+/-579.305 χ^2/NDF:5.6/6

+ sign -1387.030+/-477.651 χ^2/NDF: 51.4/23

All: -1072.949+/-336.129 χ^2/NDF: 71.5/48

- sign -764.825+/-473.100 χ^2/NDF: 19.2/24

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1419.831+/-0.406 χ^2/NDF:123210.2/7

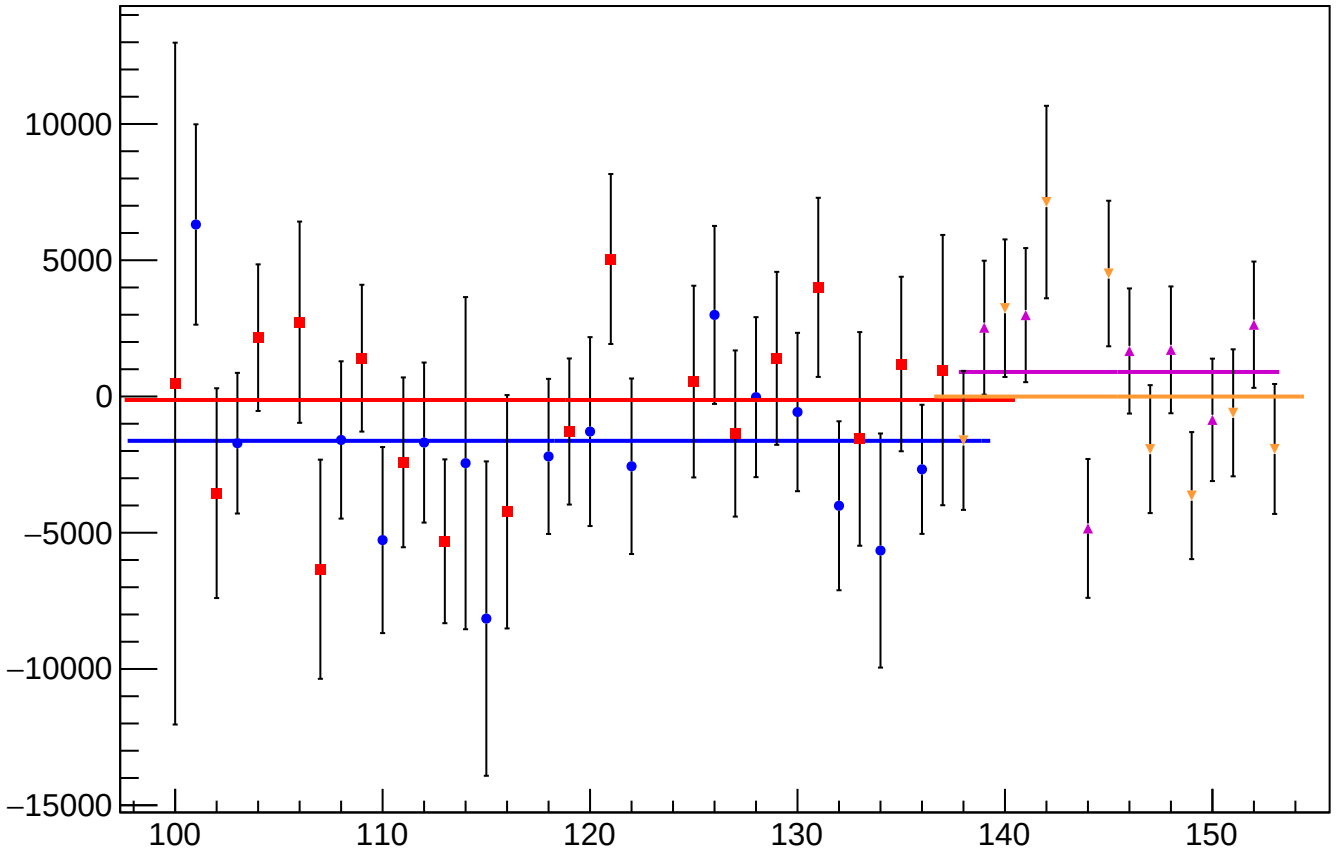
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1427.319+/-0.410 χ^2/NDF:78464.3/6

+ sign 1661.368+/-0.338 χ^2/NDF: 2491683.3/23

All: 1655.381+/-0.238 χ^2/NDF: 4827824.5/48

- sign 1649.509+/-0.335 χ^2/NDF: 2335518.8/24



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -2.931+/-892.094 χ^2/NDF:12.8/7

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

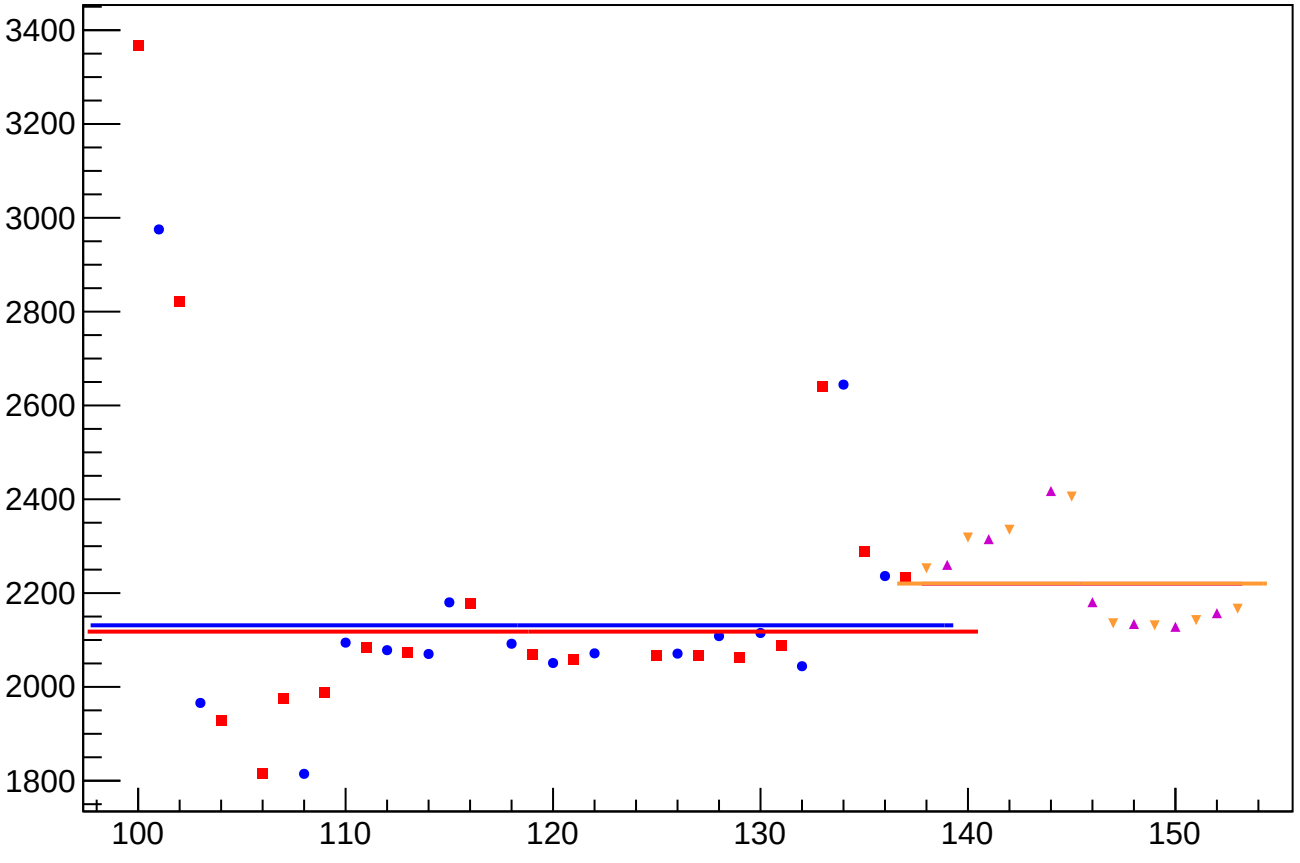
Left In: 899.658+/-896.754 χ^2/NDF:7.6/6

\+ sign -905.491+/-594.751 χ^2/NDF: 26.0/23

All: -290.894+/-420.733 χ^2/NDF: 51.1/48

\- sign 324.762+/-595.263 χ^2/NDF: 22.9/24

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2220.319+/-0.631 χ^2/NDF:23865.9/7

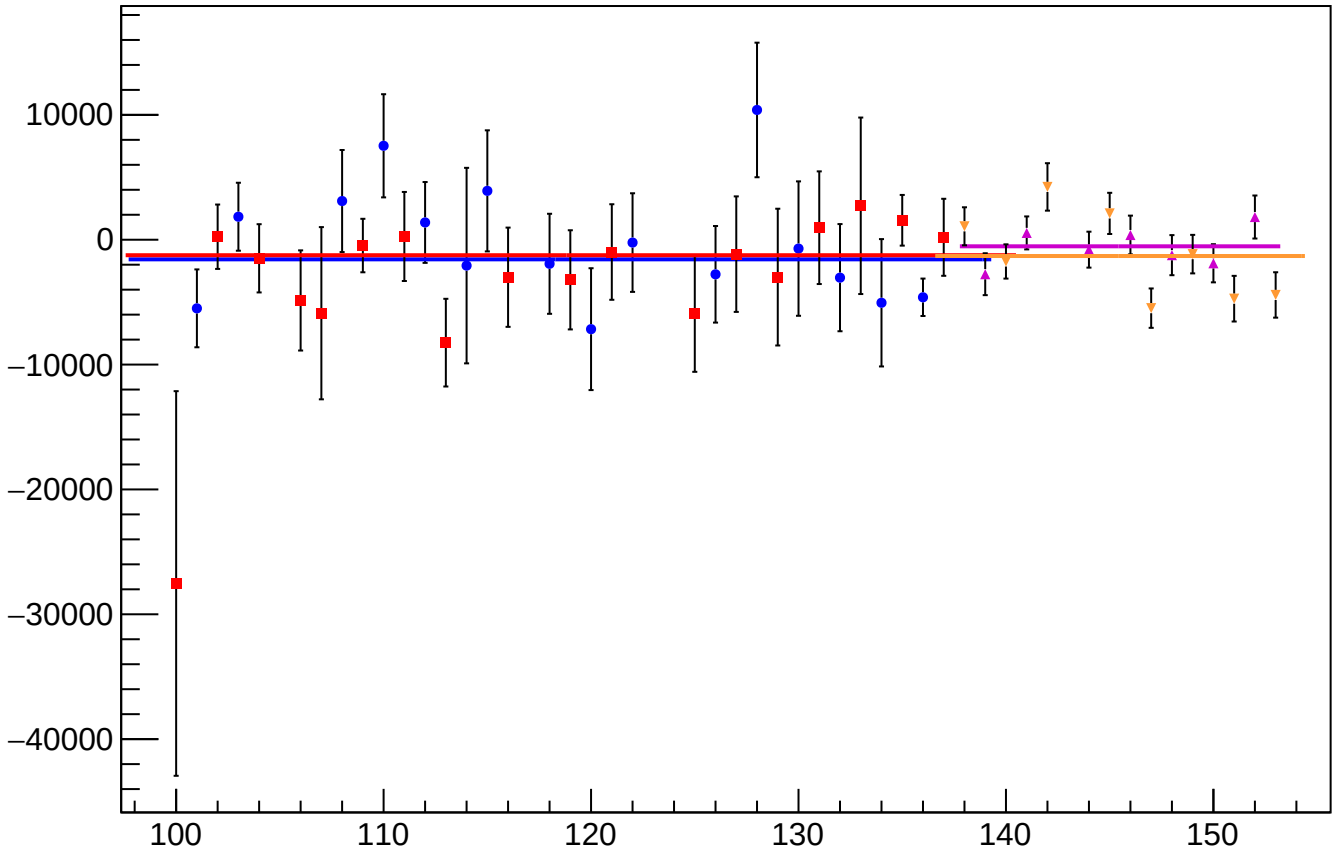
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2219.673+/-0.634 χ^2/NDF:23669.0/6

+ sign 2170.866+/-0.421 χ^2/NDF: 210872.7/23

All: 2166.799+/-0.298 χ^2/NDF: 412770.4/48

- sign 2162.726+/-0.421 χ^2/NDF: 201710.6/24



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1304.876+/-574.466 χ^2/NDF:28.8/7

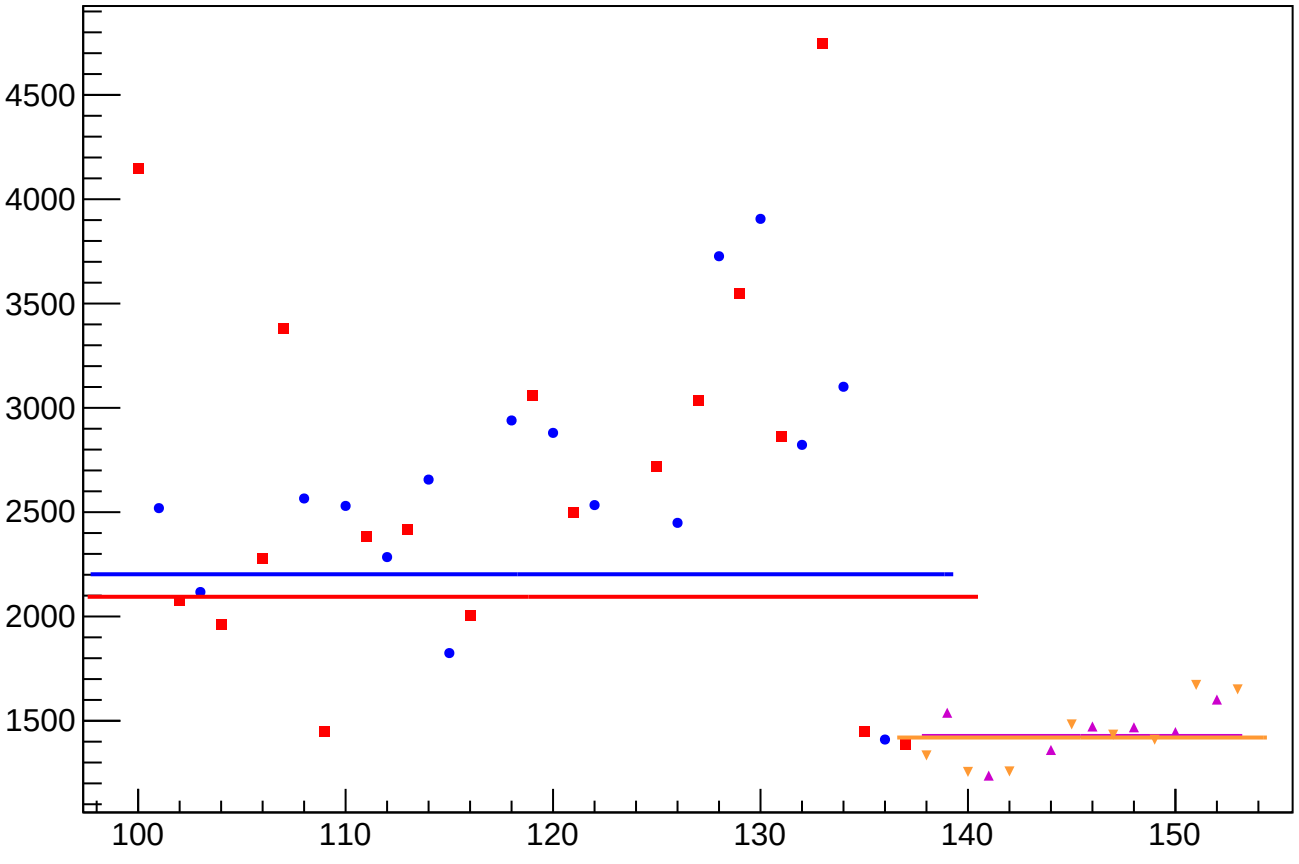
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -527.031+/-579.305 χ^2/NDF:5.6/6

+ sign -1387.035+/-477.652 χ^2/NDF: 51.4/23

All: -1072.952+/-336.130 χ^2/NDF: 71.5/48

- sign -764.828+/-473.100 χ^2/NDF: 19.2/24



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1419.836+/-0.406 χ^2/NDF:123202.8/7

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

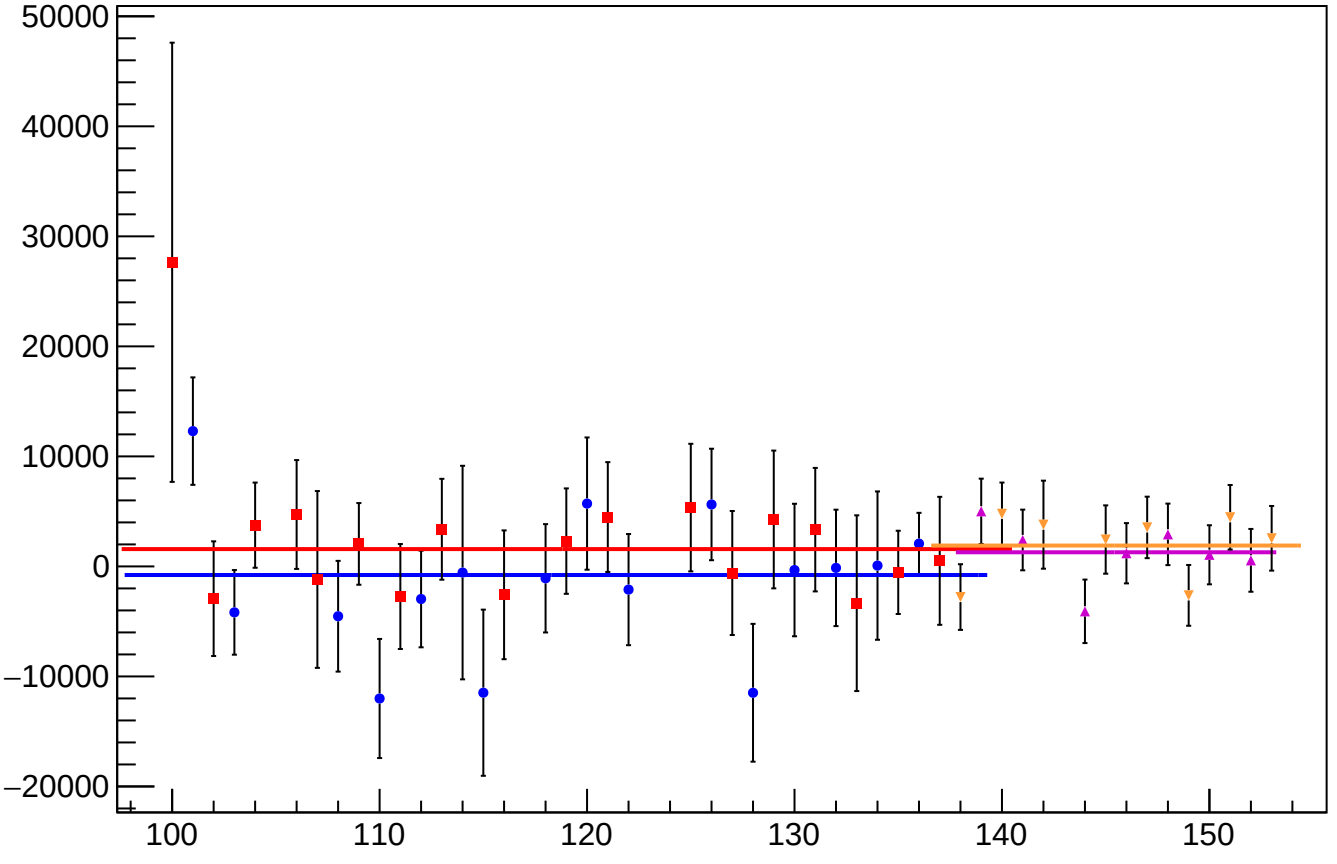
Left In: 1427.320+/-0.410 χ^2/NDF:78465.6/6

+ sign 1661.375+/-0.338 χ^2/NDF: 2491629.7/23

All: 1655.387+/-0.238 χ^2/NDF: 4827750.7/48

- sign 1649.512+/-0.335 χ^2/NDF: 2335498.2/24

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1896.213+/-1057.871 χ^2/NDF:7.6/7

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

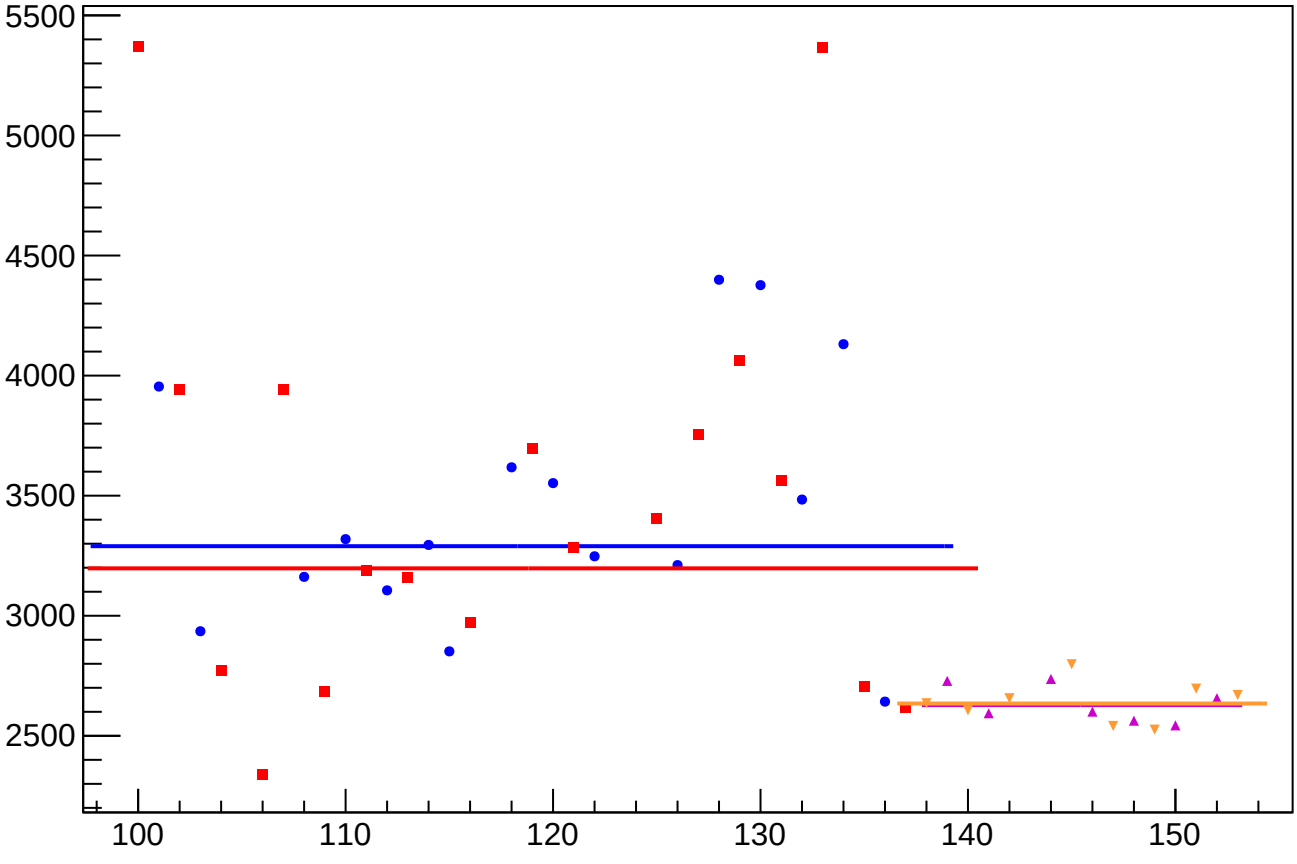
Left In: 1284.740+/-1061.254 χ^2/NDF:5.6/6

\+ sign 770.017+/-805.260 χ^2/NDF: 32.2/23

All: 1091.816+/-567.682 χ^2/NDF: 44.9/48

\- sign 1409.750+/-800.409 χ^2/NDF: 12.4/24

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2634.574+/-0.748 χ^2/NDF:12327.4/7

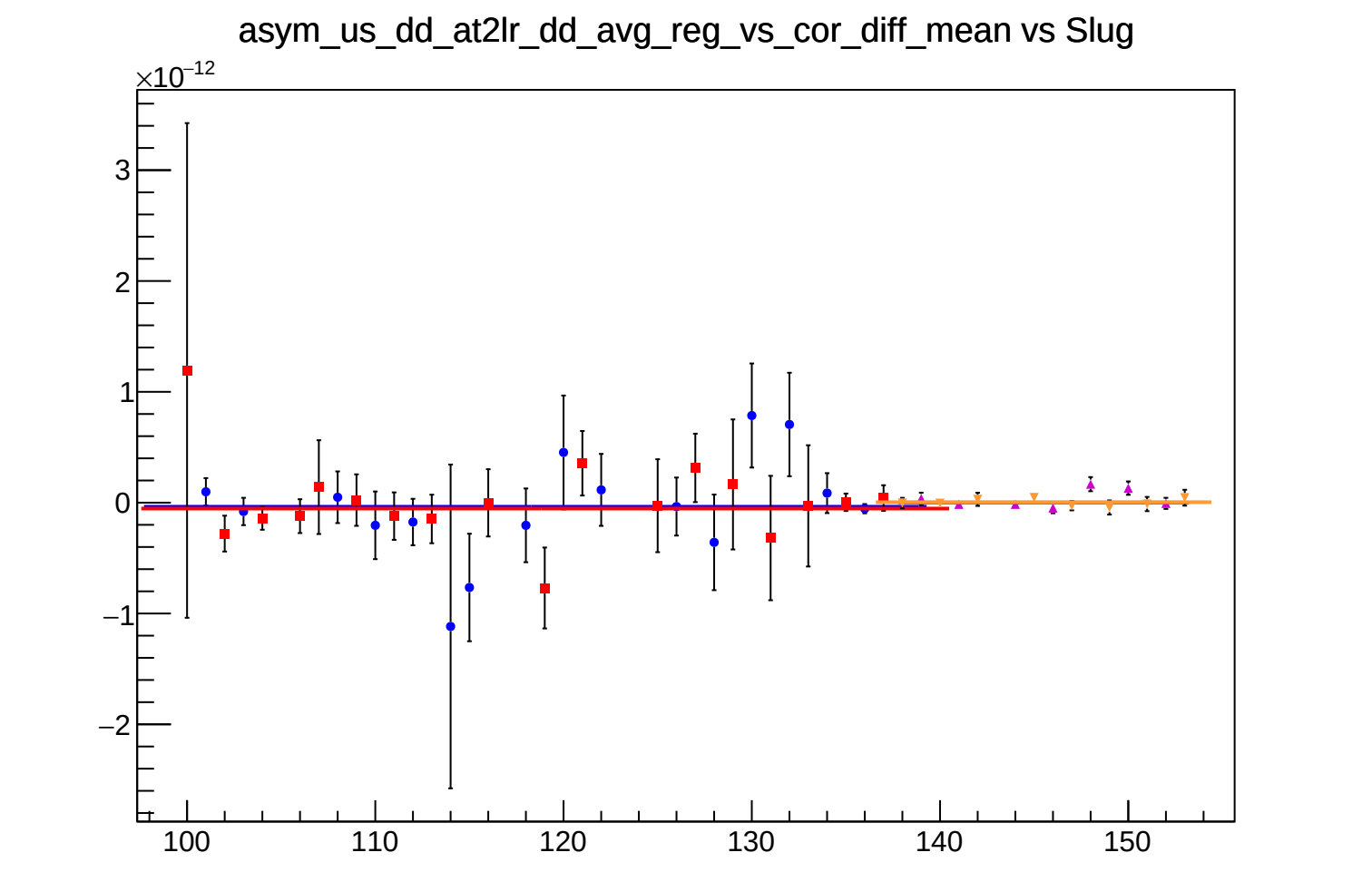
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2627.991+/-0.750 χ^2/NDF:8917.2/6

+ sign 2910.092+/-0.569 χ^2/NDF: 682497.0/23

All: 2891.682+/-0.401 χ^2/NDF: 1441656.0/48

- sign 2873.494+/-0.566 χ^2/NDF: 757081.1/24



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/7

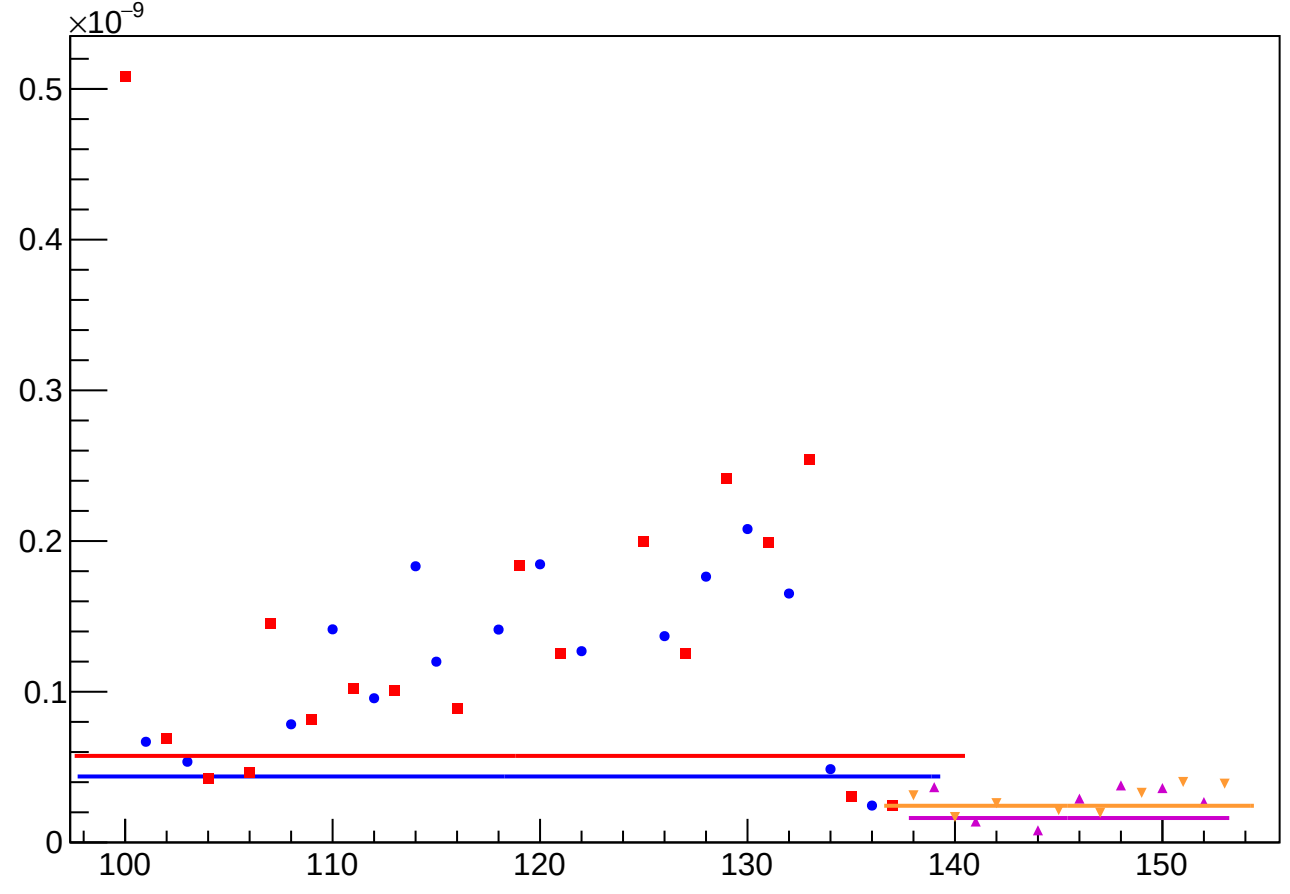
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:14.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 17.5/23

All: -0.000+/-0.000 χ^2/NDF: 45.5/48

- sign -0.000+/-0.000 χ^2/NDF: 28.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:437018.9/7

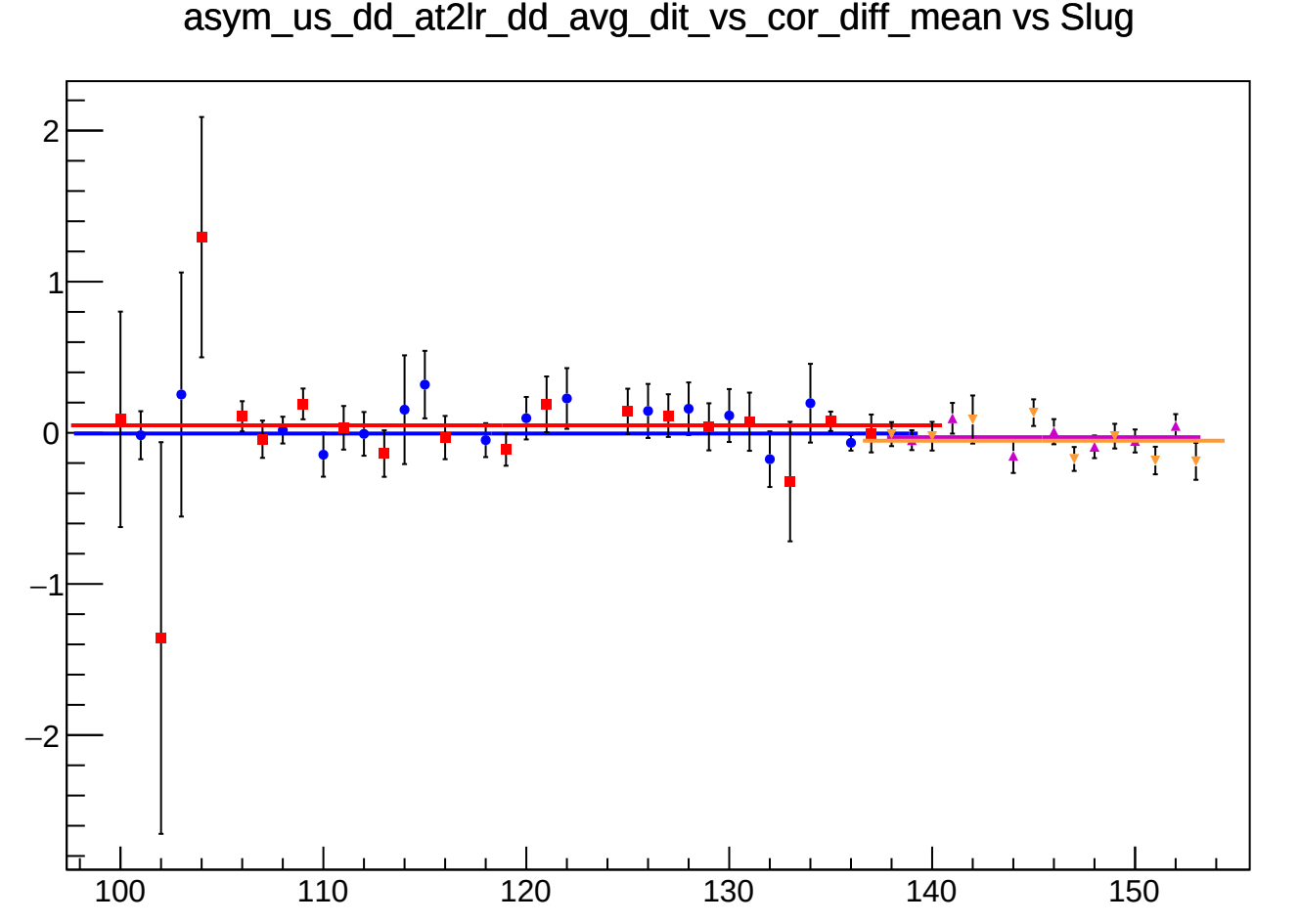
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1403146.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 3186970.0/23

All: 0.000+/-0.000 χ^2/NDF: 8712738.4/48

- sign 0.000+/-0.000 χ^2/NDF: 5150465.6/24



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.052+/-0.033 χ^2/NDF:11.4/7

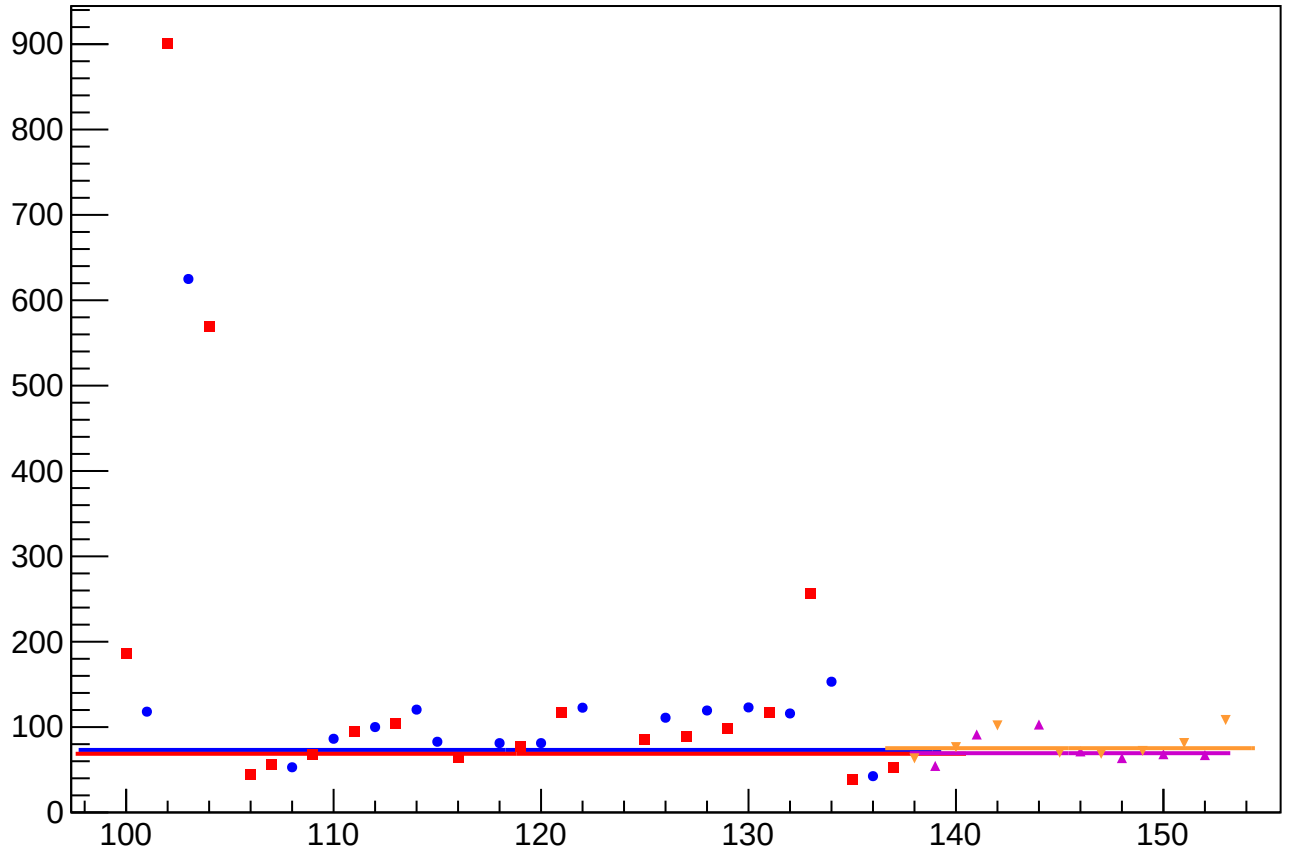
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.029+/-0.031 χ^2/NDF:4.7/6

+ sign -0.028+/-0.023 χ^2/NDF: 22.8/23

All: -0.009+/-0.016 χ^2/NDF: 45.1/48

- sign 0.009+/-0.022 χ^2/NDF: 20.9/24



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.289+/-0.023 χ^2/NDF:280551.2/7

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

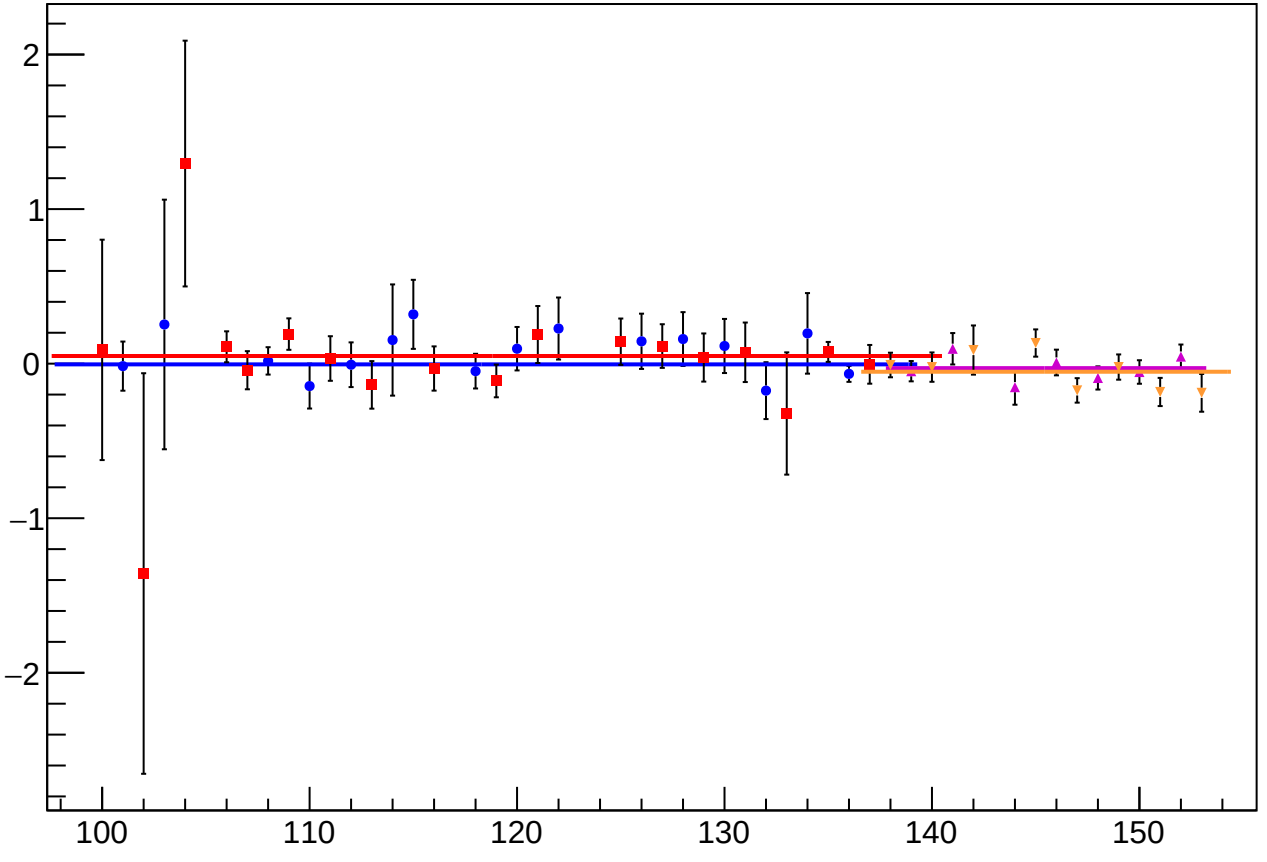
Left In: 69.418+/-0.022 χ^2/NDF:385289.5/6

+ sign 74.246+/-0.016 χ^2/NDF: 3139156.1/23

All: 71.556+/-0.011 χ^2/NDF: 6909394.3/48

- sign 69.082+/-0.016 χ^2/NDF: 3717529.4/24

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.052+/-0.033 χ^2/NDF:11.4/7

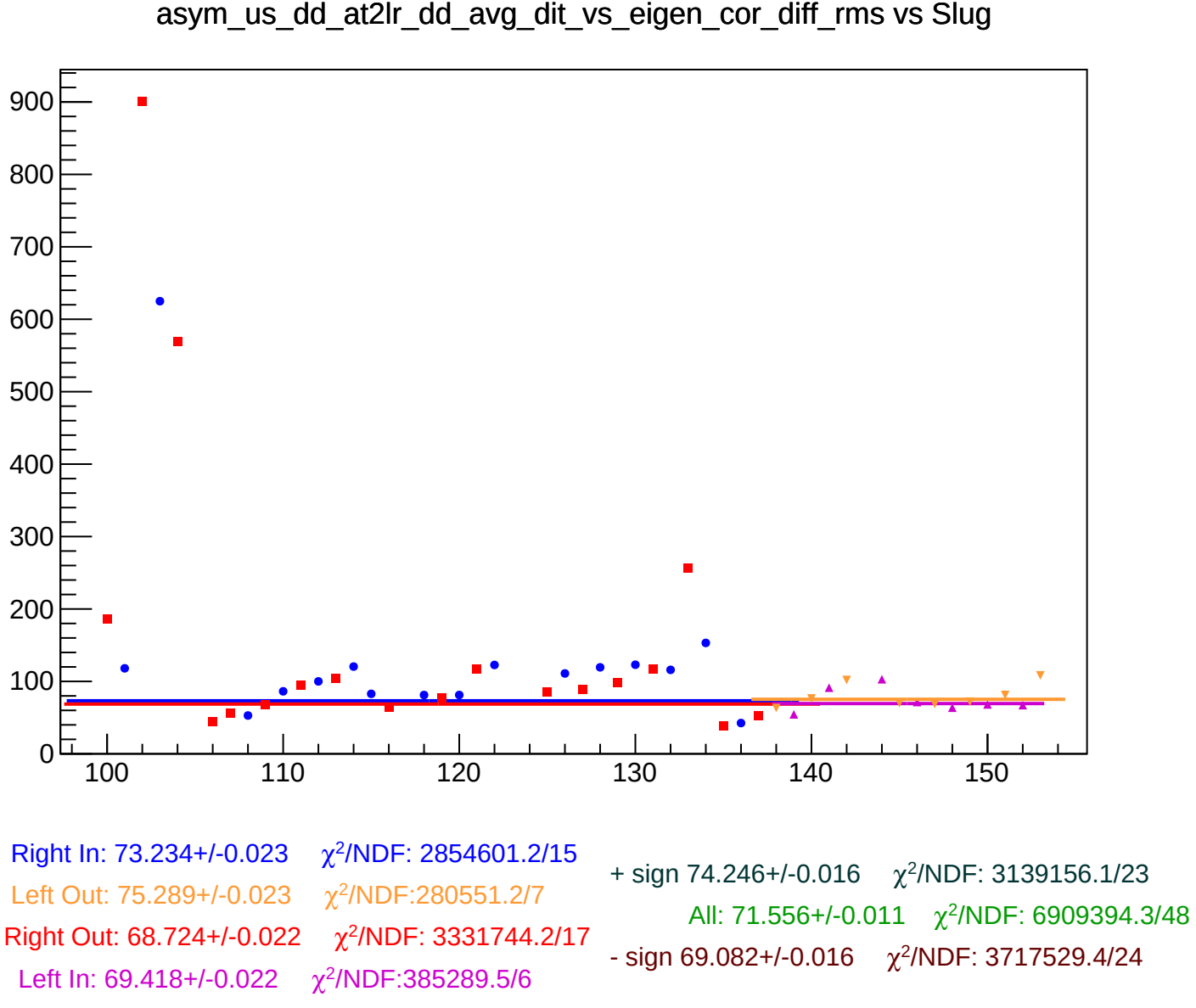
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

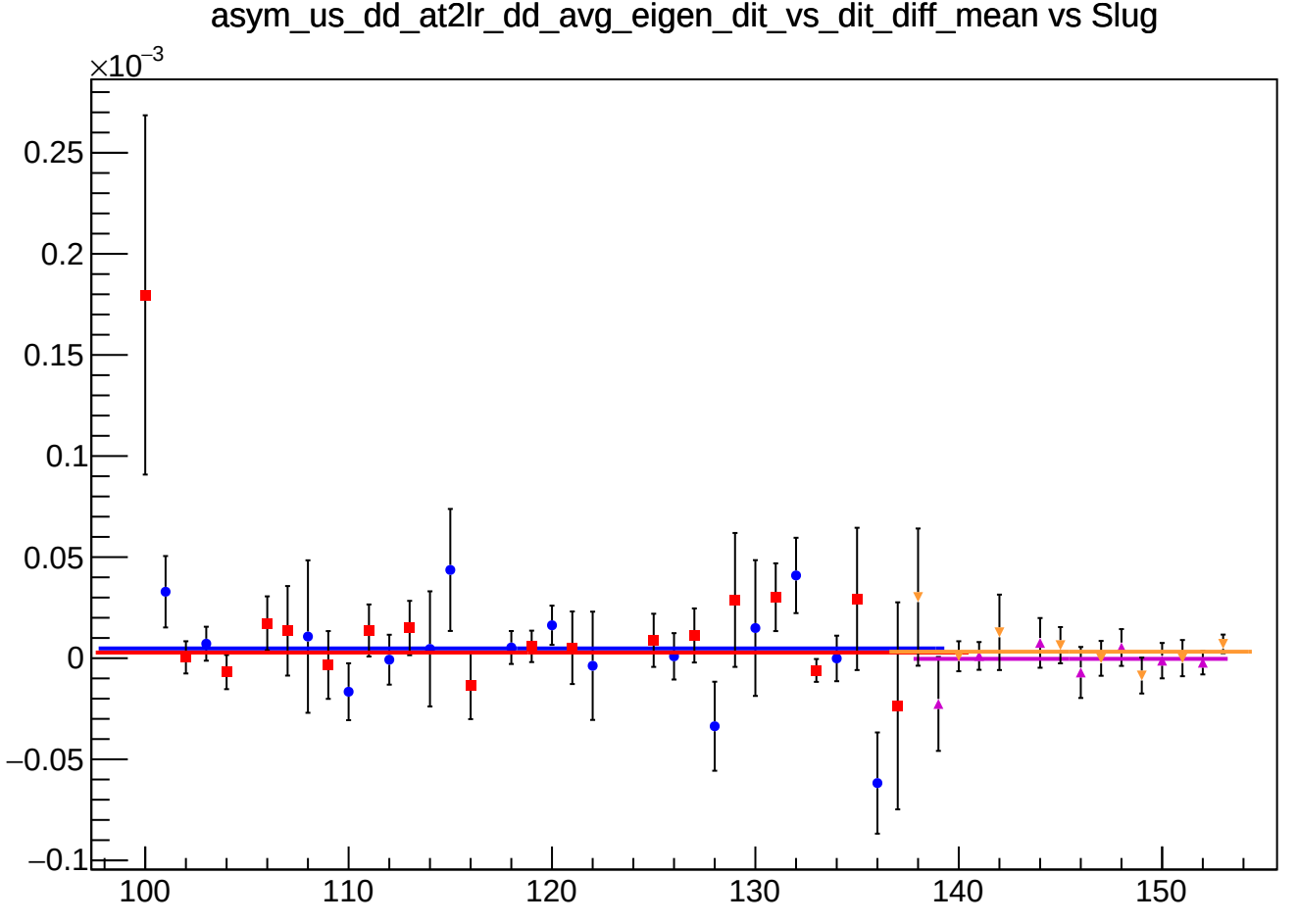
Left In: -0.029+/-0.031 χ^2/NDF:4.7/6

+ sign -0.028+/-0.023 χ^2/NDF: 22.8/23

All: -0.009+/-0.016 χ^2/NDF: 45.1/48

- sign 0.009+/-0.022 χ^2/NDF: 20.9/24


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
Right In: 73.234+/-0.023 χ²/NDF: 2854601.2/15
Left Out: 75.289+/-0.023 χ²/NDF:280551.2/7
Right Out: 68.724+/-0.022 χ²/NDF: 3331744.2/17
Left In: 69.418+/-0.022 χ²/NDF:385289.5/6
+ sign 74.246+/-0.016 χ²/NDF: 3139156.1/23
All: 71.556+/-0.011 χ²/NDF: 6909394.3/48
- sign 69.082+/-0.016 χ²/NDF: 3717529.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/7

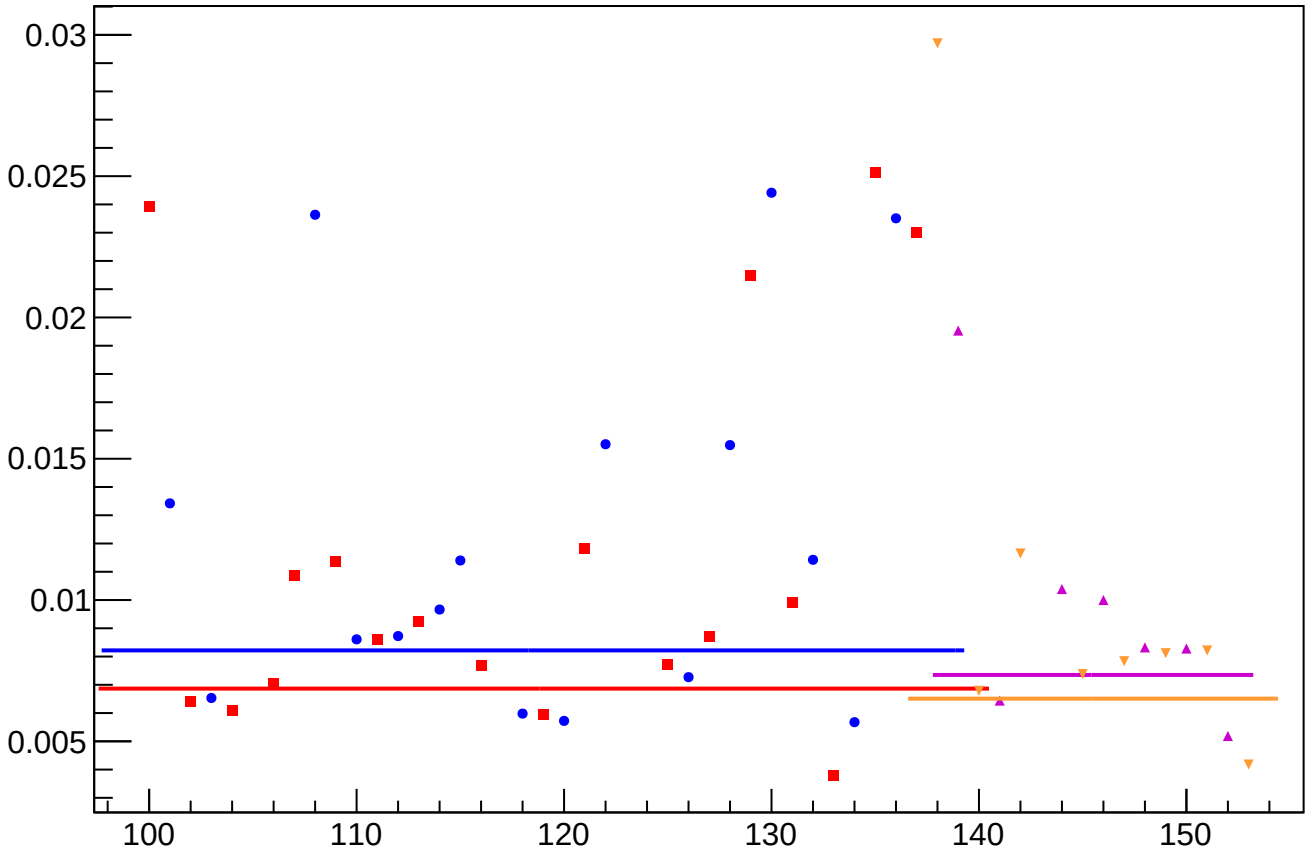
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 26.6/23

All: 0.000+/-0.000 χ^2/NDF: 46.6/48

- sign 0.000+/-0.000 χ^2/NDF: 19.4/24



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1806460.1/7

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

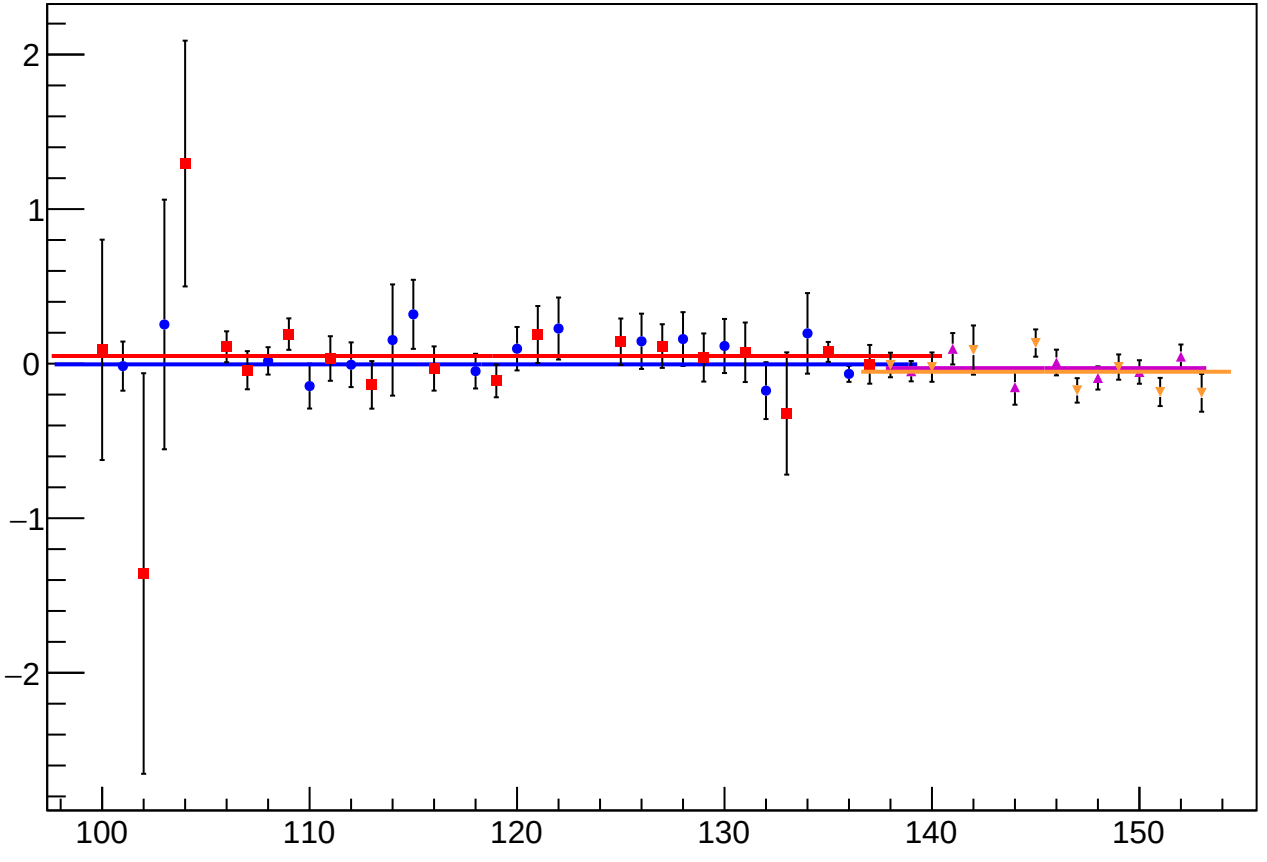
Left In: 0.007+/-0.000 χ^2/NDF:1118719.0/6

+ sign 0.007+/-0.000 χ^2/NDF: 4746907.3/23

All: 0.007+/-0.000 χ^2/NDF: 8320307.4/48

- sign 0.007+/-0.000 χ^2/NDF: 3569680.8/24

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.052+/-0.033 χ^2/NDF:11.4/7

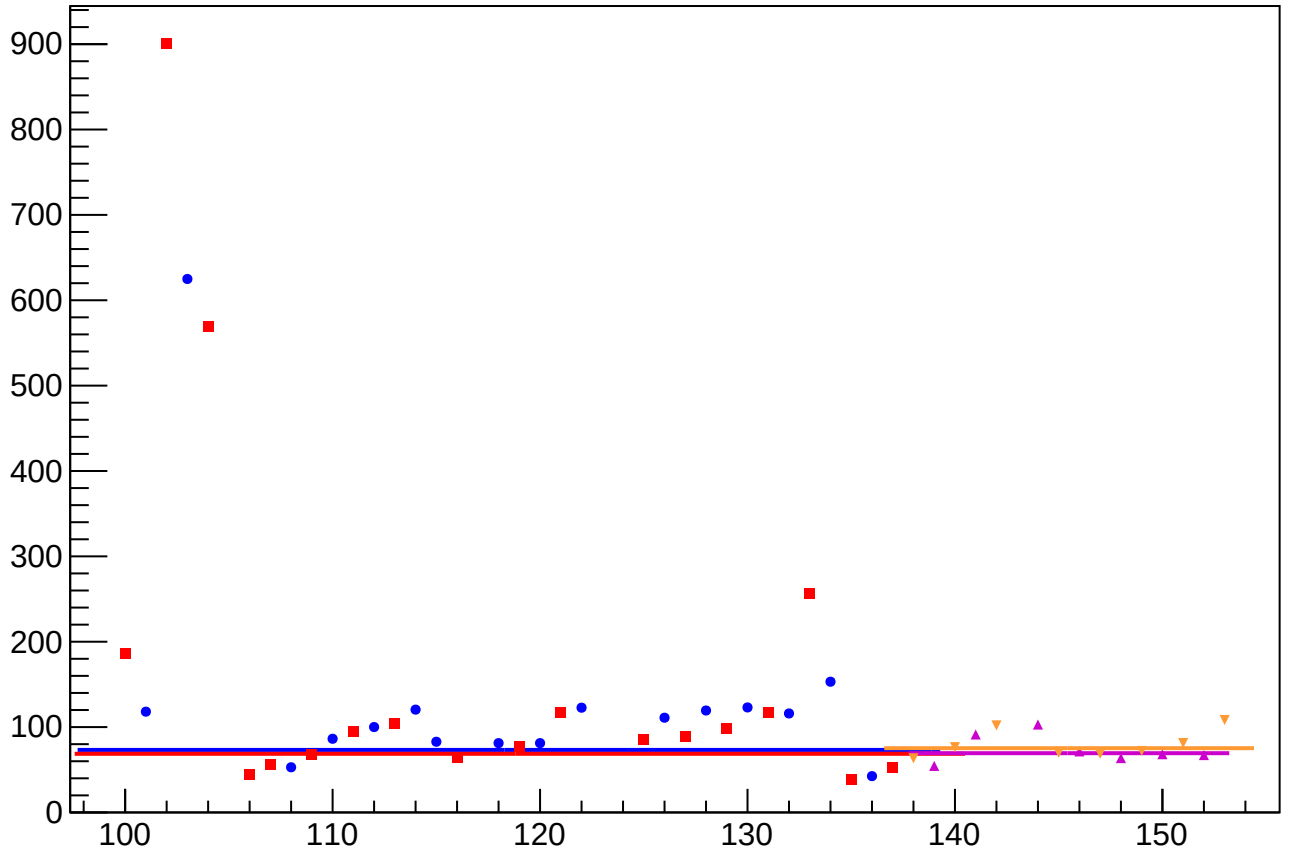
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.029+/-0.031 χ^2/NDF:4.7/6

+ sign -0.028+/-0.023 χ^2/NDF: 22.8/23

All: -0.009+/-0.016 χ^2/NDF: 45.1/48

- sign 0.009+/-0.022 χ^2/NDF: 20.9/24



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.290+/-0.023 χ^2/NDF:280535.9/7

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

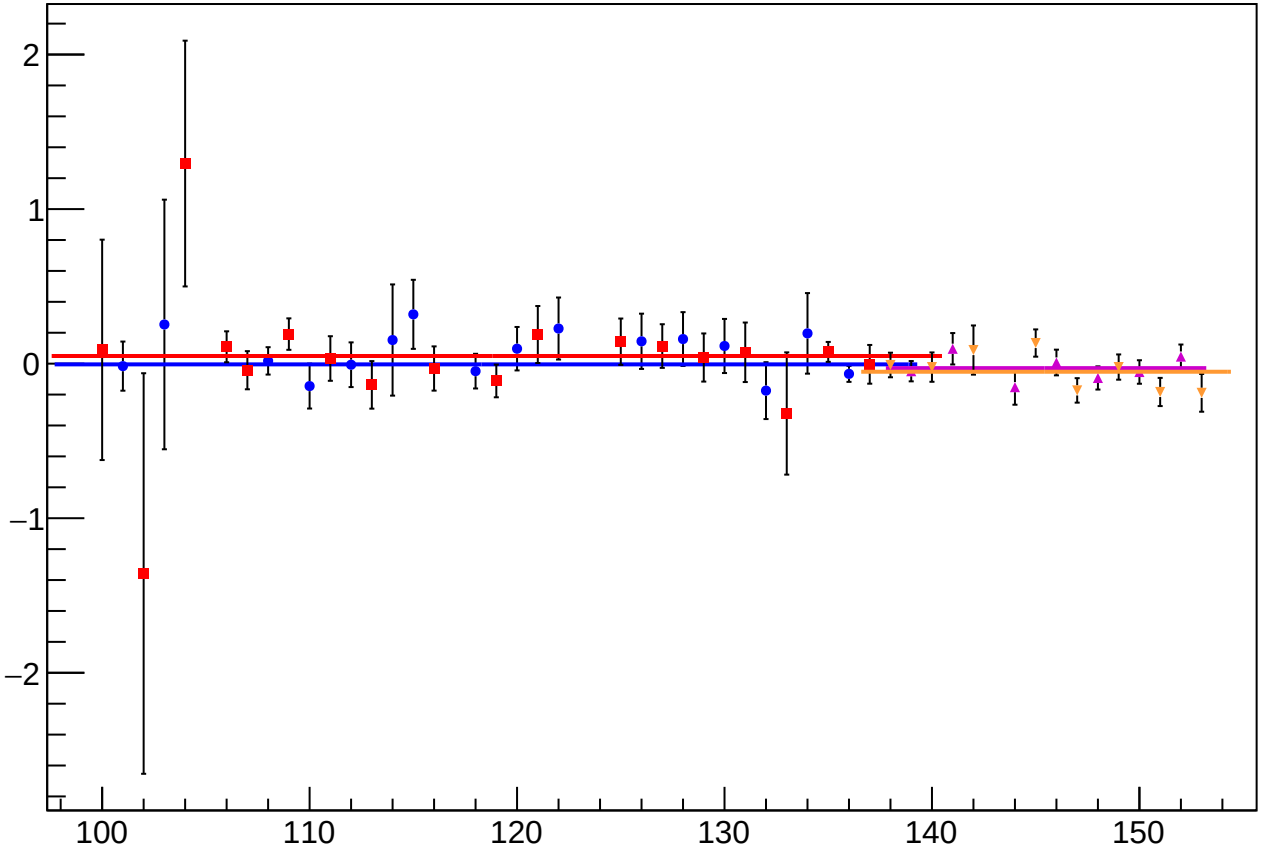
Left In: 69.420+/-0.022 χ^2/NDF:385080.6/6

+ sign 74.260+/-0.016 χ^2/NDF: 3136751.9/23

All: 71.560+/-0.011 χ^2/NDF: 6908155.7/48

- sign 69.078+/-0.016 χ^2/NDF: 3718340.7/24

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.052+/-0.033 χ^2/NDF:11.4/7

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

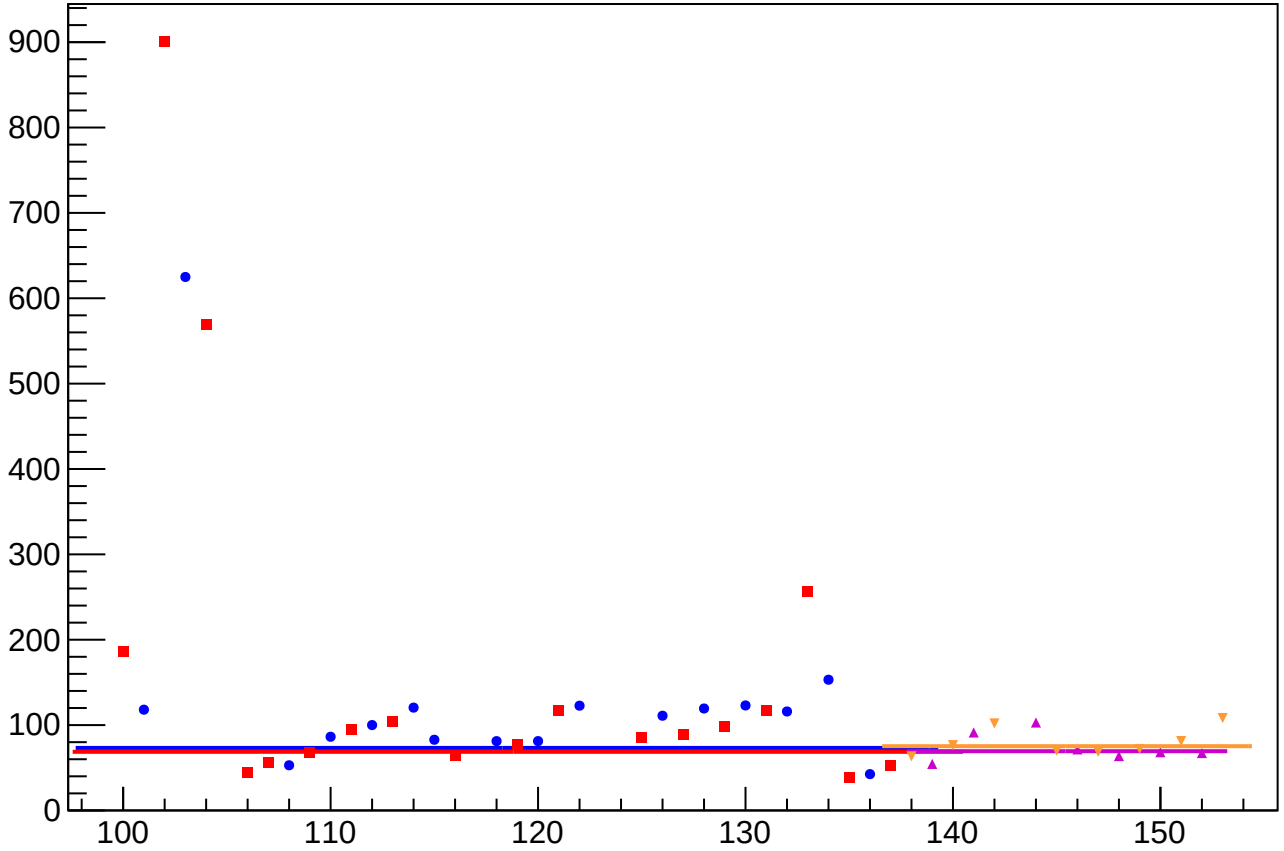
Left In: -0.029+/-0.031 χ^2/NDF:4.7/6

+ sign -0.028+/-0.023 χ^2/NDF: 22.8/23

All: -0.009+/-0.016 χ^2/NDF: 45.1/48

- sign 0.009+/-0.022 χ^2/NDF: 20.9/24

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.290+/-0.023 χ^2/NDF:280535.9/7

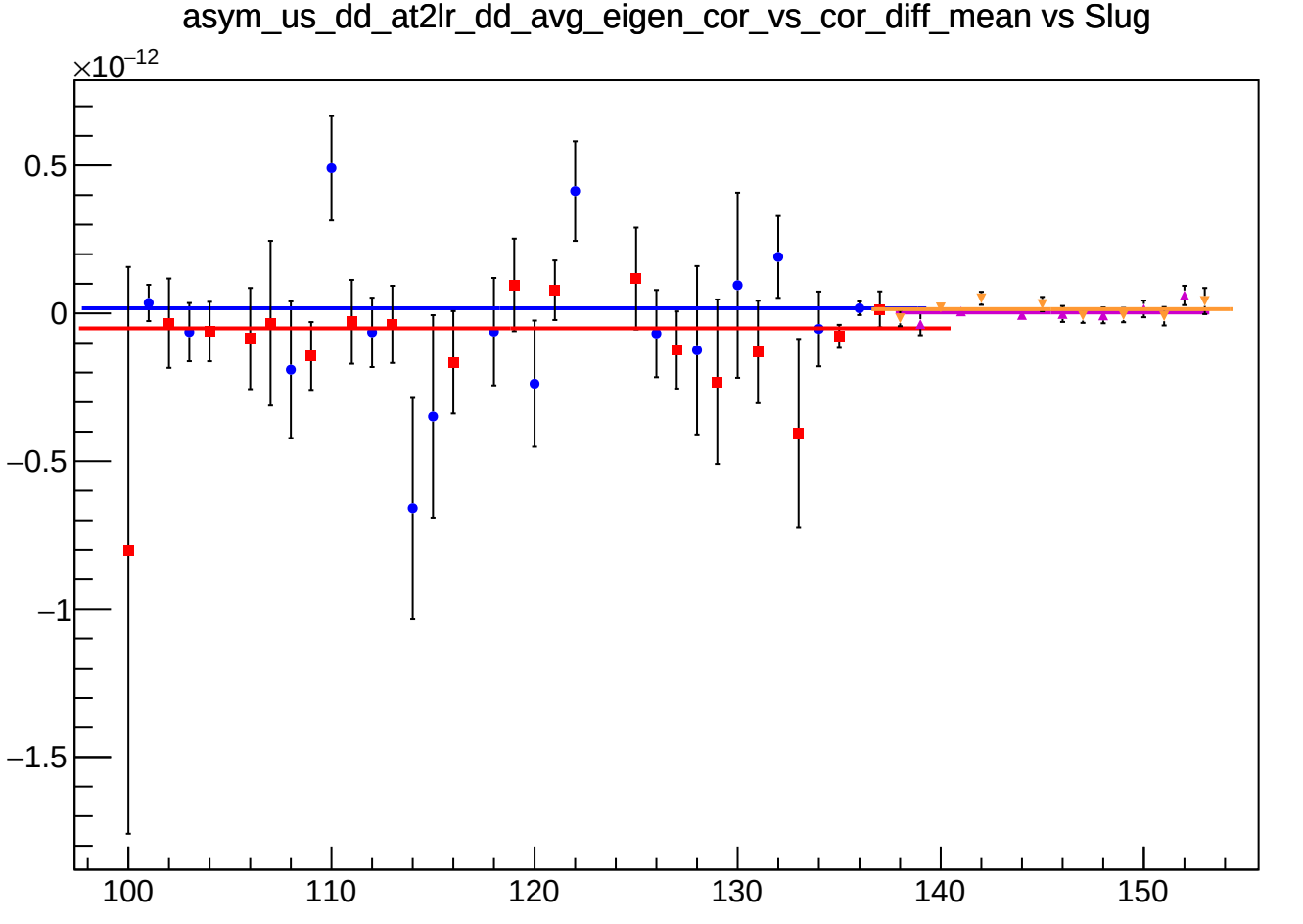
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 69.420+/-0.022 χ^2/NDF:385080.6/6

+ sign 74.260+/-0.016 χ^2/NDF: 3136751.9/23

All: 71.560+/-0.011 χ^2/NDF: 6908155.7/48

- sign 69.078+/-0.016 χ^2/NDF: 3718340.7/24



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/7

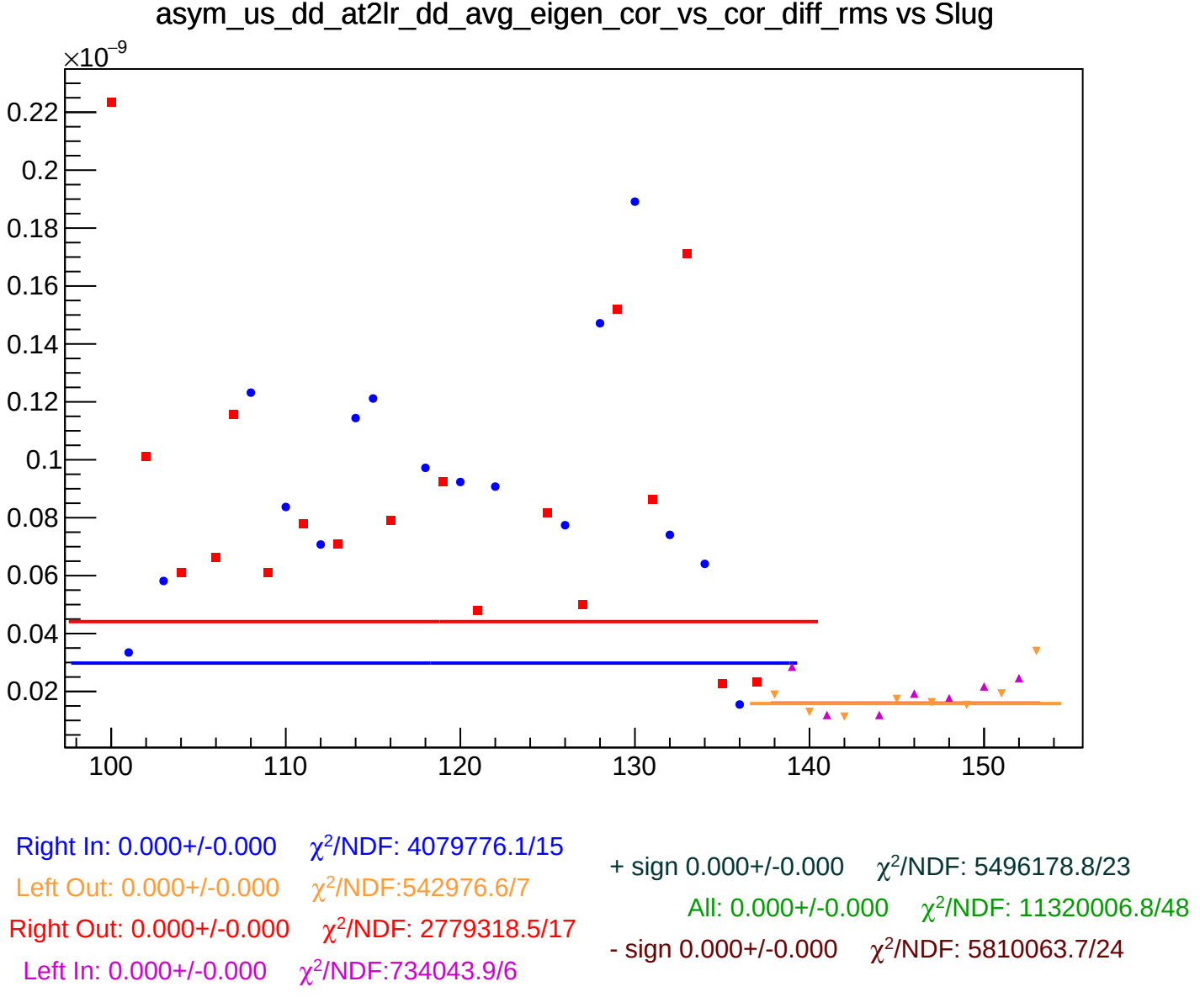
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:4.8/6

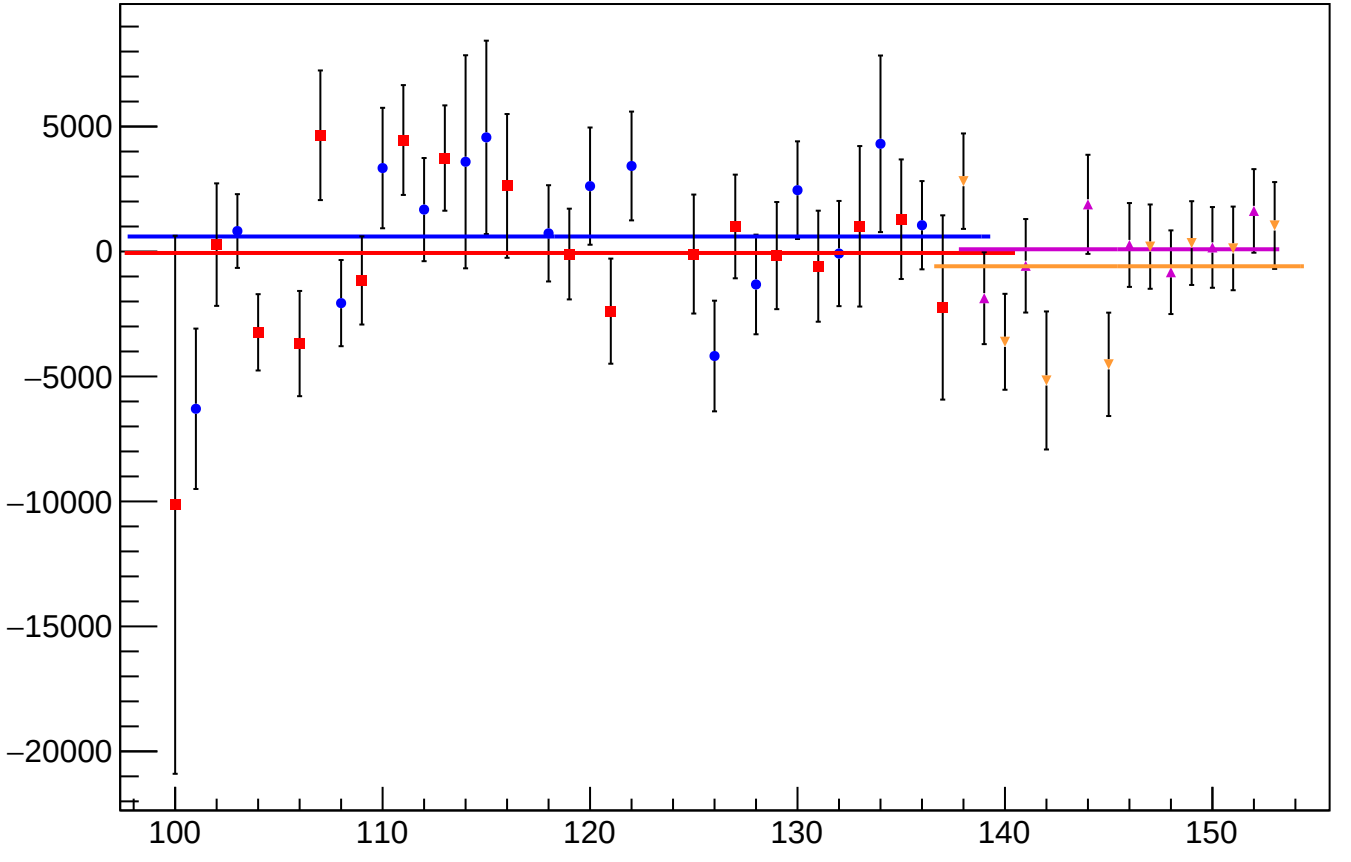
+ sign 0.000+/-0.000 χ^2/NDF: 30.5/23

All: 0.000+/-0.000 χ^2/NDF: 51.0/48

- sign -0.000+/-0.000 χ^2/NDF: 18.1/24


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:542976.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:734043.9/6
+ sign 0.000+/-0.000 χ²/NDF: 5496178.8/23
All: 0.000+/-0.000 χ²/NDF: 11320006.8/48
- sign 0.000+/-0.000 χ²/NDF: 5810063.7/24

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -590.835+/-658.356 χ^2/NDF:13.6/7

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

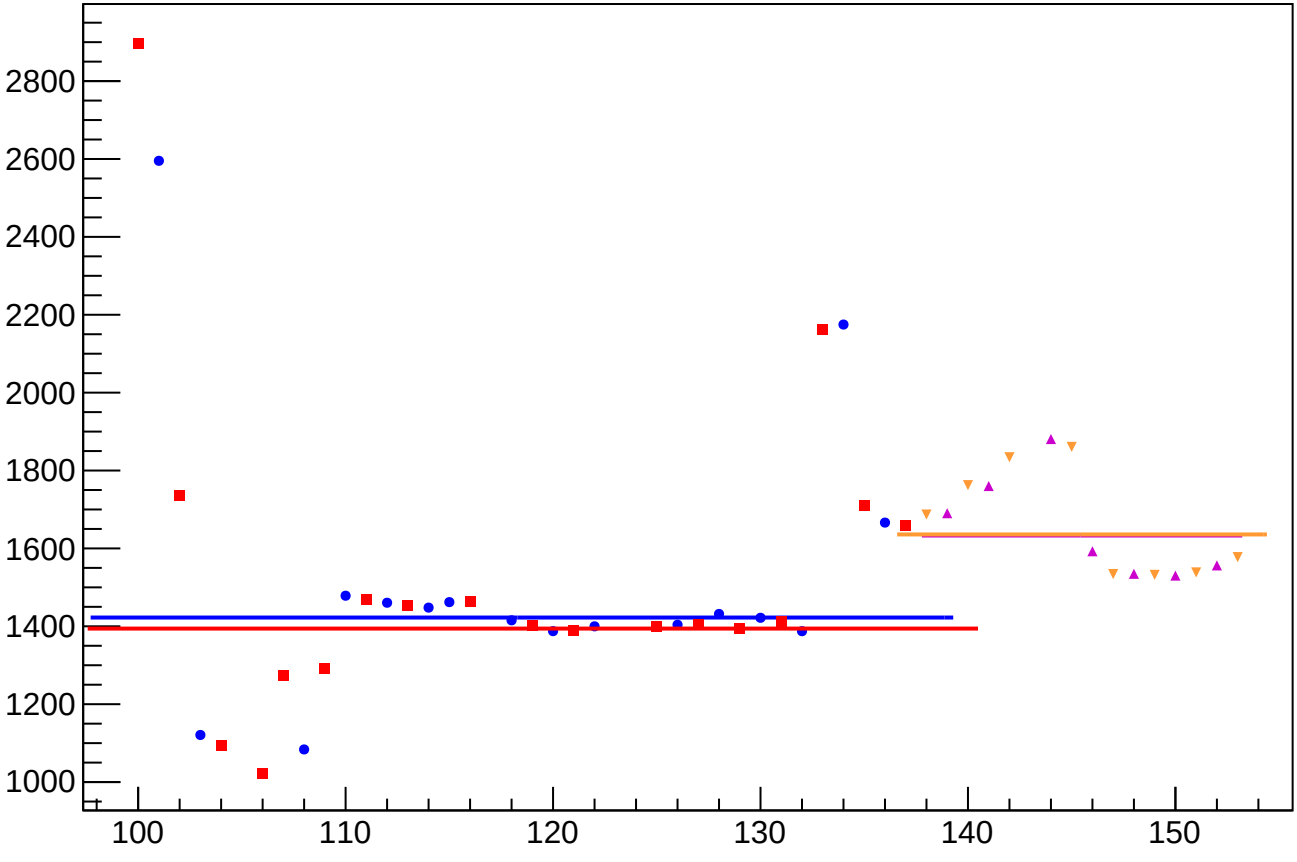
Left In: 89.319+/-660.916 χ^2/NDF:3.2/6

+ sign 121.091+/-417.543 χ^2/NDF: 35.9/23

All: 59.473+/-293.833 χ^2/NDF: 61.7/48

- sign -0.978+/-413.571 χ^2/NDF: 25.8/24

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1635.902+/-0.466 χ^2/NDF:68070.1/7

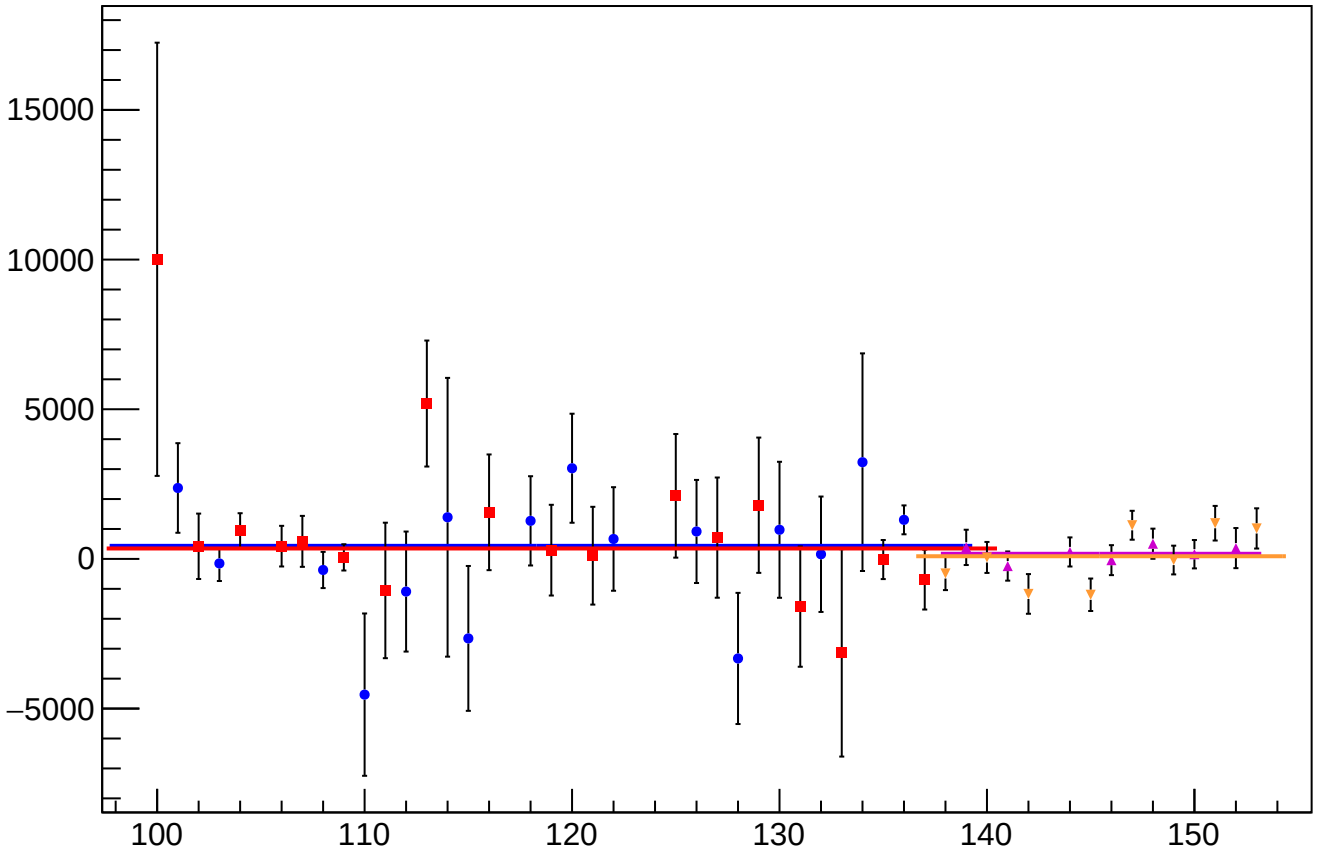
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1633.116+/-0.467 χ^2/NDF:62788.7/6

+ sign 1508.347+/-0.295 χ^2/NDF: 753925.2/23

All: 1497.942+/-0.208 χ^2/NDF: 1371895.0/48

- sign 1487.734+/-0.292 χ^2/NDF: 615509.4/24



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 89.176+/-194.363 χ^2/NDF:20.5/7

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

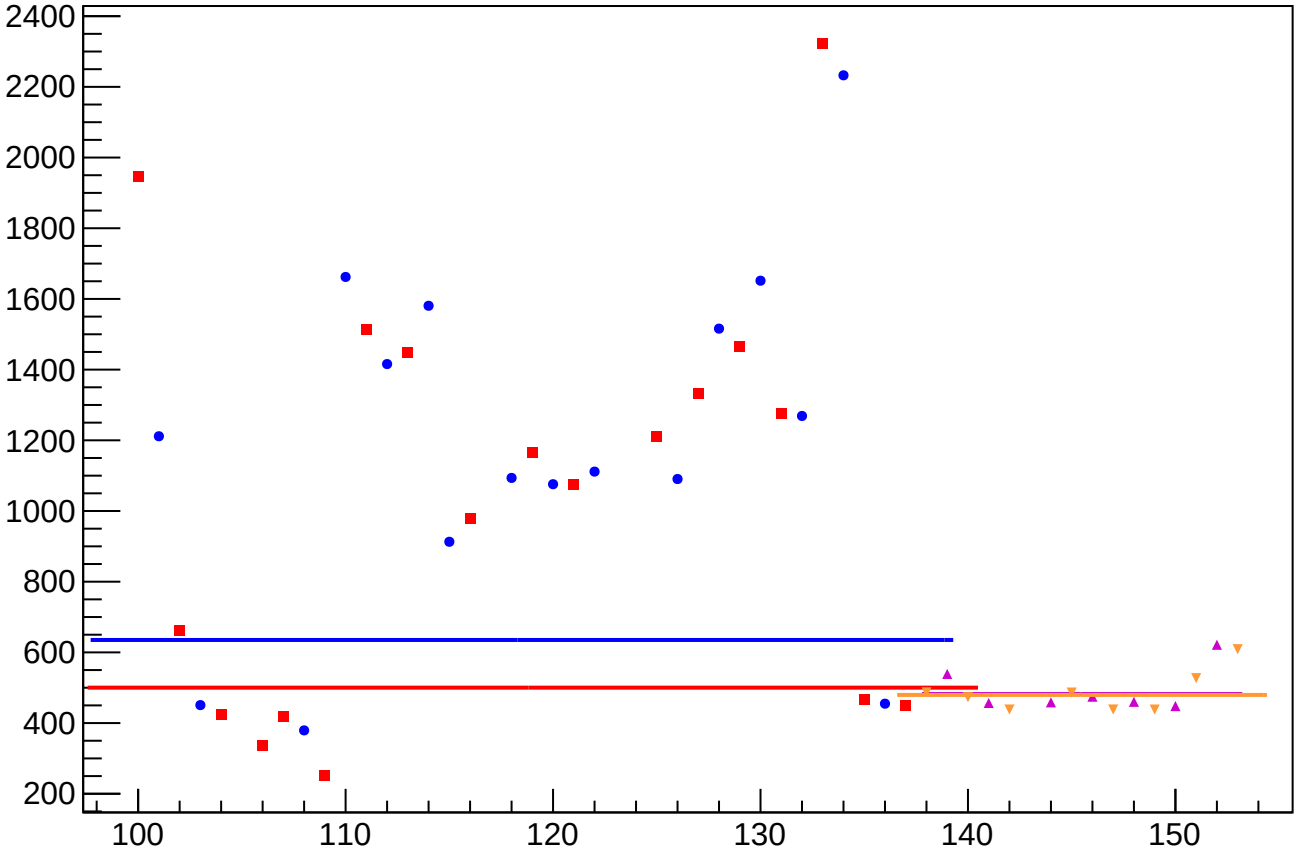
Left In: 171.167+/-196.326 χ^2/NDF:1.6/6

+ sign 204.368+/-158.897 χ^2/NDF: 40.9/23

All: 225.570+/-109.204 χ^2/NDF: 56.8/48

- sign 244.548+/-150.334 χ^2/NDF: 15.8/24

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 479.656+/-0.137 χ^2/NDF:125796.3/7

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

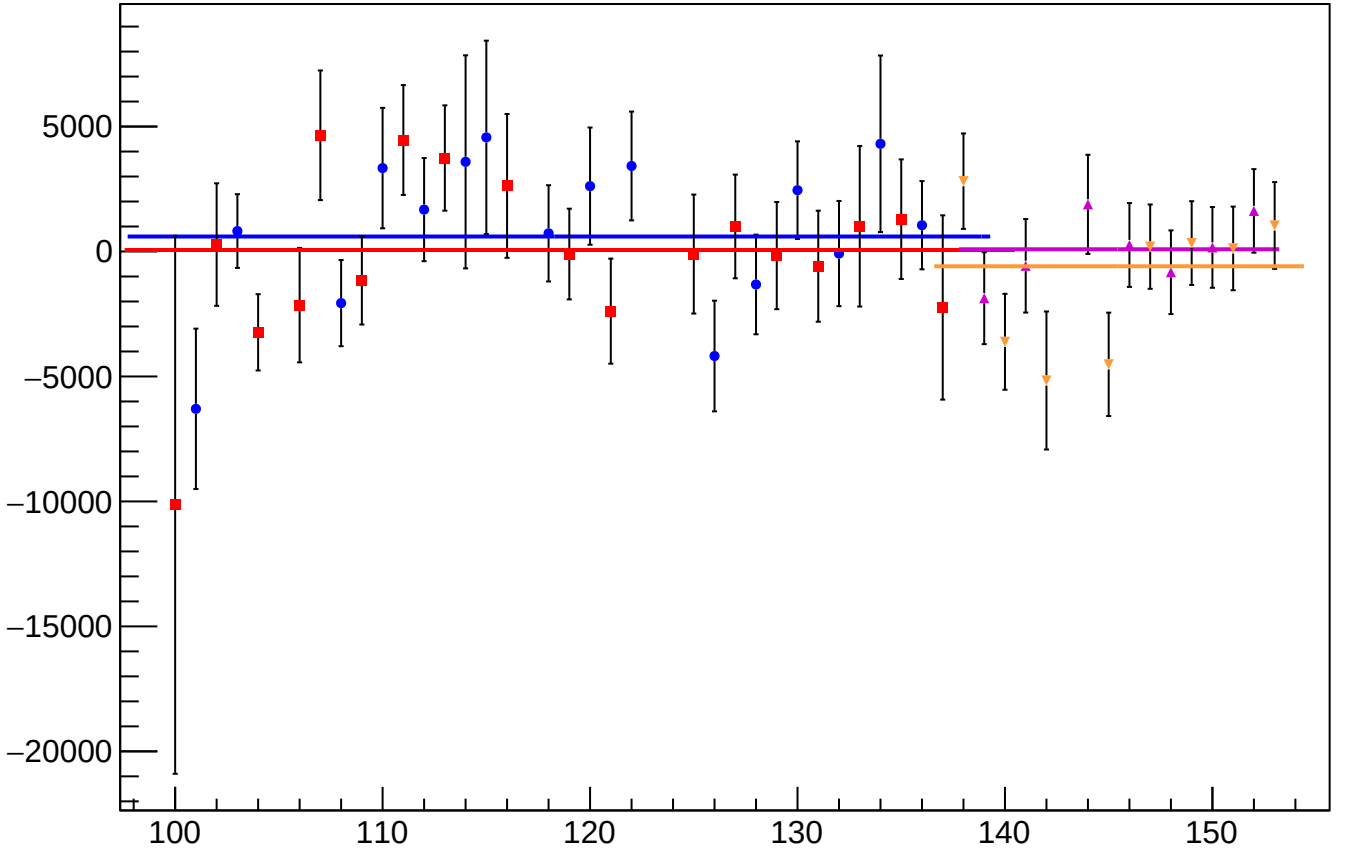
Left In: 482.166+/-0.139 χ^2/NDF:129912.2/6

+ sign 531.220+/-0.112 χ^2/NDF: 4302826.4/23

All: 509.279+/-0.077 χ^2/NDF: 8821106.7/48

- sign 489.639+/-0.106 χ^2/NDF: 4446010.1/24

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -590.917+/-658.356 χ^2/NDF:13.6/7

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

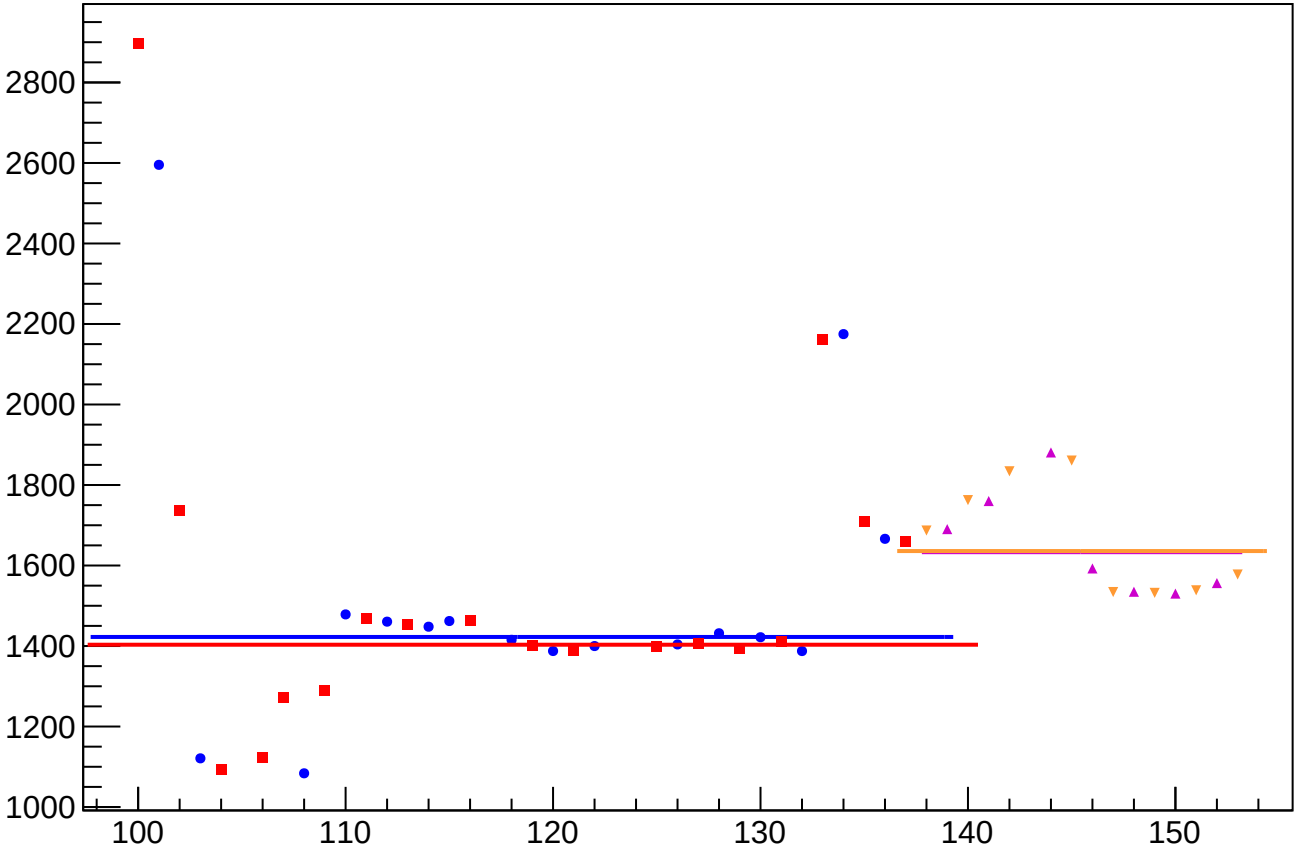
Left In: 89.380+/-660.916 χ^2/NDF:3.2/6

+ sign 120.982+/-417.543 χ^2/NDF: 35.9/23

All: 96.226+/-294.277 χ^2/NDF: 59.5/48

- sign 71.792+/-414.811 χ^2/NDF: 23.6/24

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1635.902+/-0.466 χ^2/NDF:68070.1/7

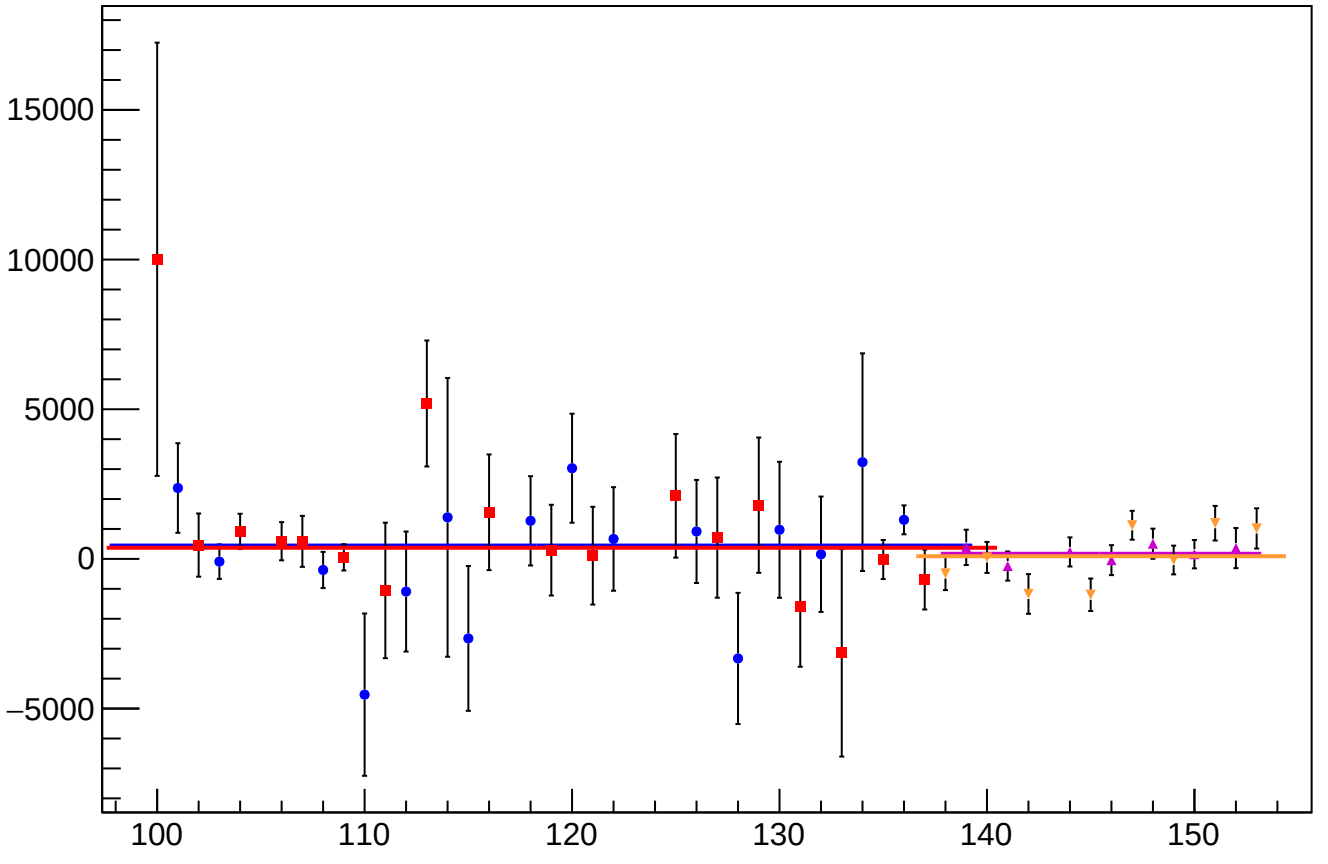
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1633.116+/-0.467 χ^2/NDF:62788.7/6

+ sign 1508.347+/-0.295 χ^2/NDF: 753925.6/23

All: 1501.016+/-0.208 χ^2/NDF: 1323719.6/48

- sign 1493.780+/-0.293 χ^2/NDF: 568569.0/24



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 89.179+/-194.367 χ^2/NDF:20.5/7

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

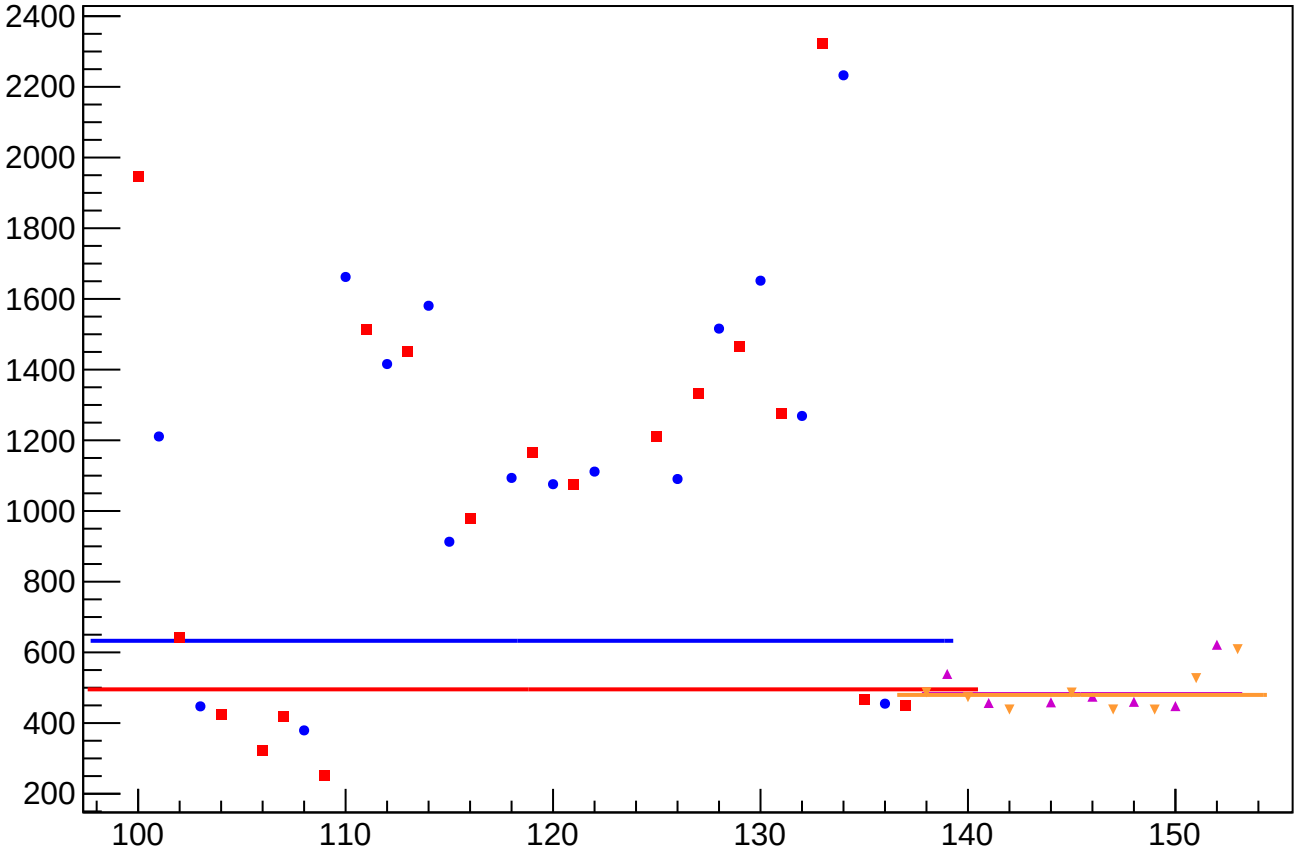
Left In: 171.272+/-196.323 χ^2/NDF:1.6/6

+ sign 207.906+/-158.673 χ^2/NDF: 40.8/23

All: 233.104+/-108.884 χ^2/NDF: 56.9/48

- sign 255.530+/-149.691 χ^2/NDF: 16.0/24

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 479.666+/-0.137 χ^2/NDF:125752.1/7

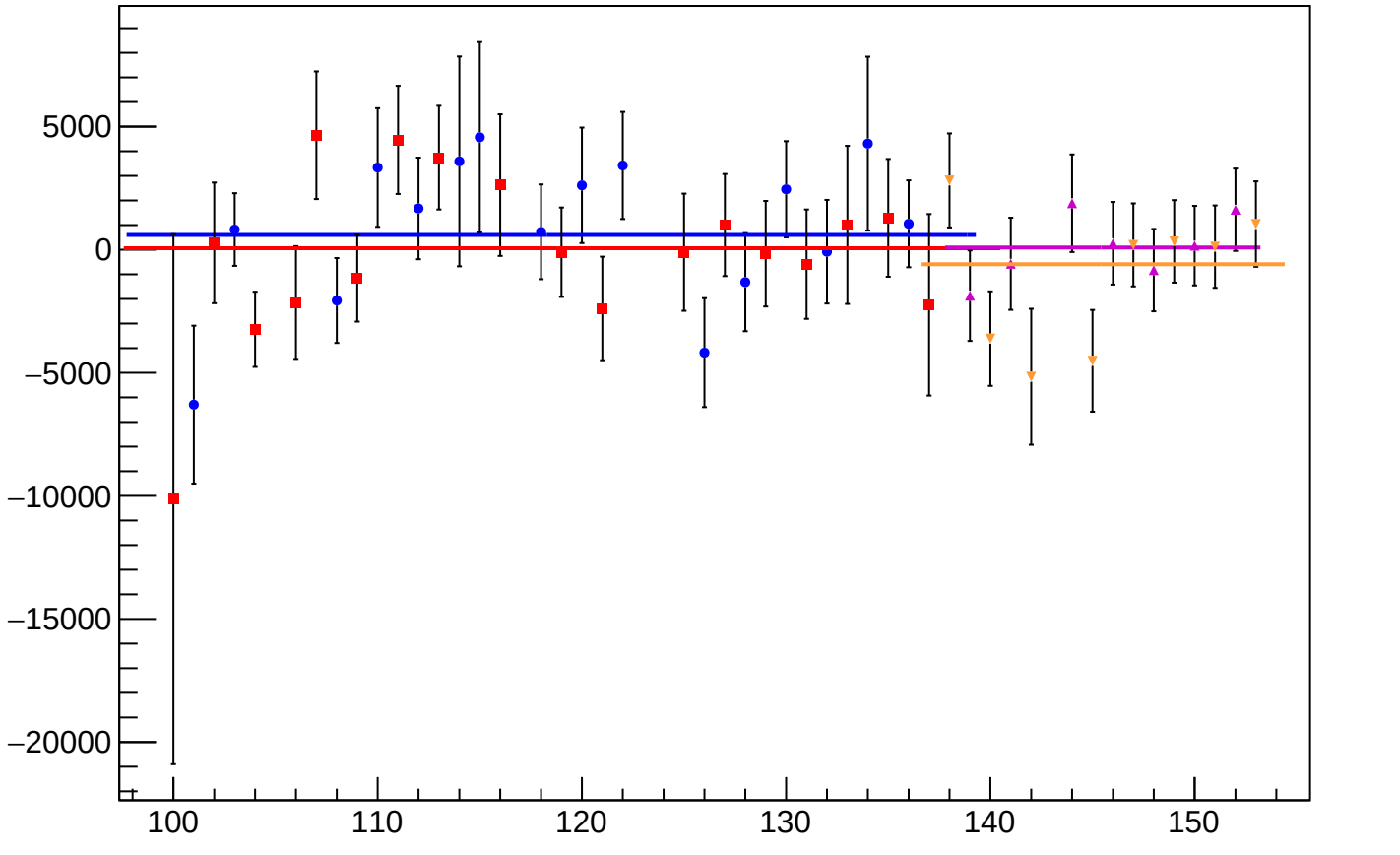
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 482.158+/-0.139 χ^2/NDF:129907.1/6

+ sign 530.729+/-0.112 χ^2/NDF: 4307324.2/23

All: 507.959+/-0.077 χ^2/NDF: 8856357.6/48

- sign 487.693+/-0.106 χ^2/NDF: 4471189.4/24



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -590.917+/-658.356 χ^2/NDF:13.6/7

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

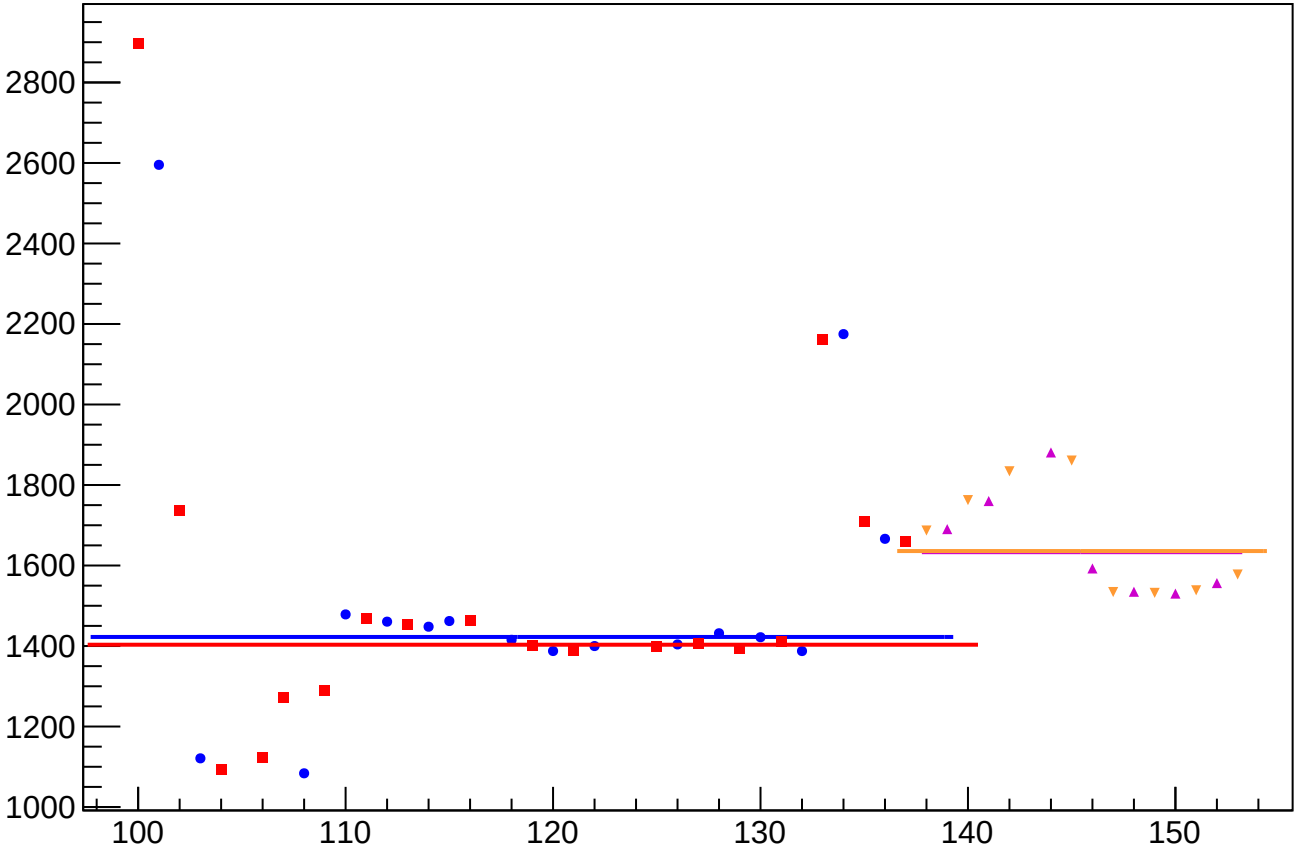
Left In: 89.380+/-660.916 χ^2/NDF:3.2/6

\+ sign 120.982+/-417.543 χ^2/NDF: 35.9/23

All: 96.226+/-294.277 χ^2/NDF: 59.5/48

\- sign 71.792+/-414.811 χ^2/NDF: 23.6/24

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1635.902+/-0.466 χ^2/NDF:68070.1/7

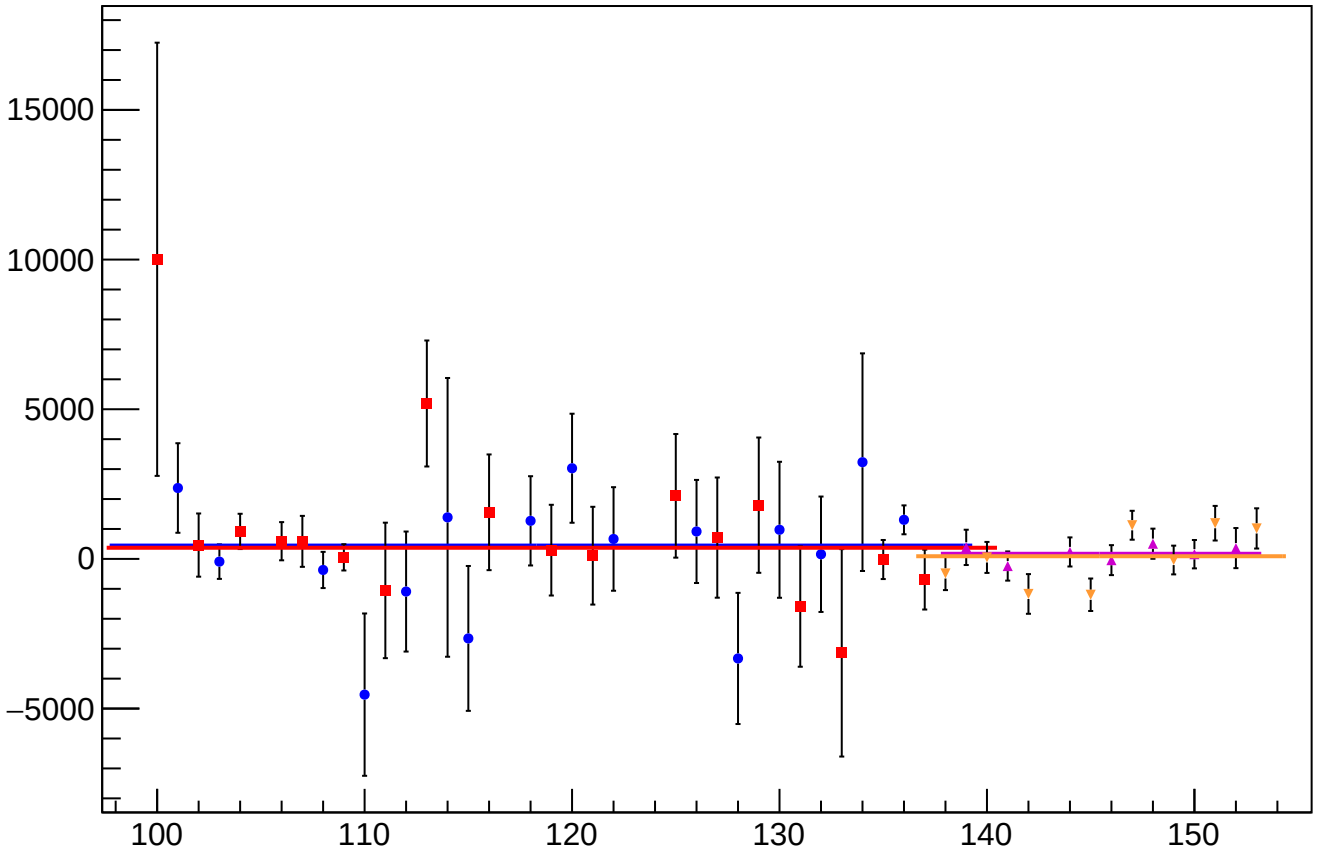
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1633.116+/-0.467 χ^2/NDF:62788.7/6

+ sign 1508.347+/-0.295 χ^2/NDF: 753925.6/23

All: 1501.016+/-0.208 χ^2/NDF: 1323719.6/48

- sign 1493.780+/-0.293 χ^2/NDF: 568569.0/24



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 89.179+/-194.367 χ^2/NDF:20.5/7

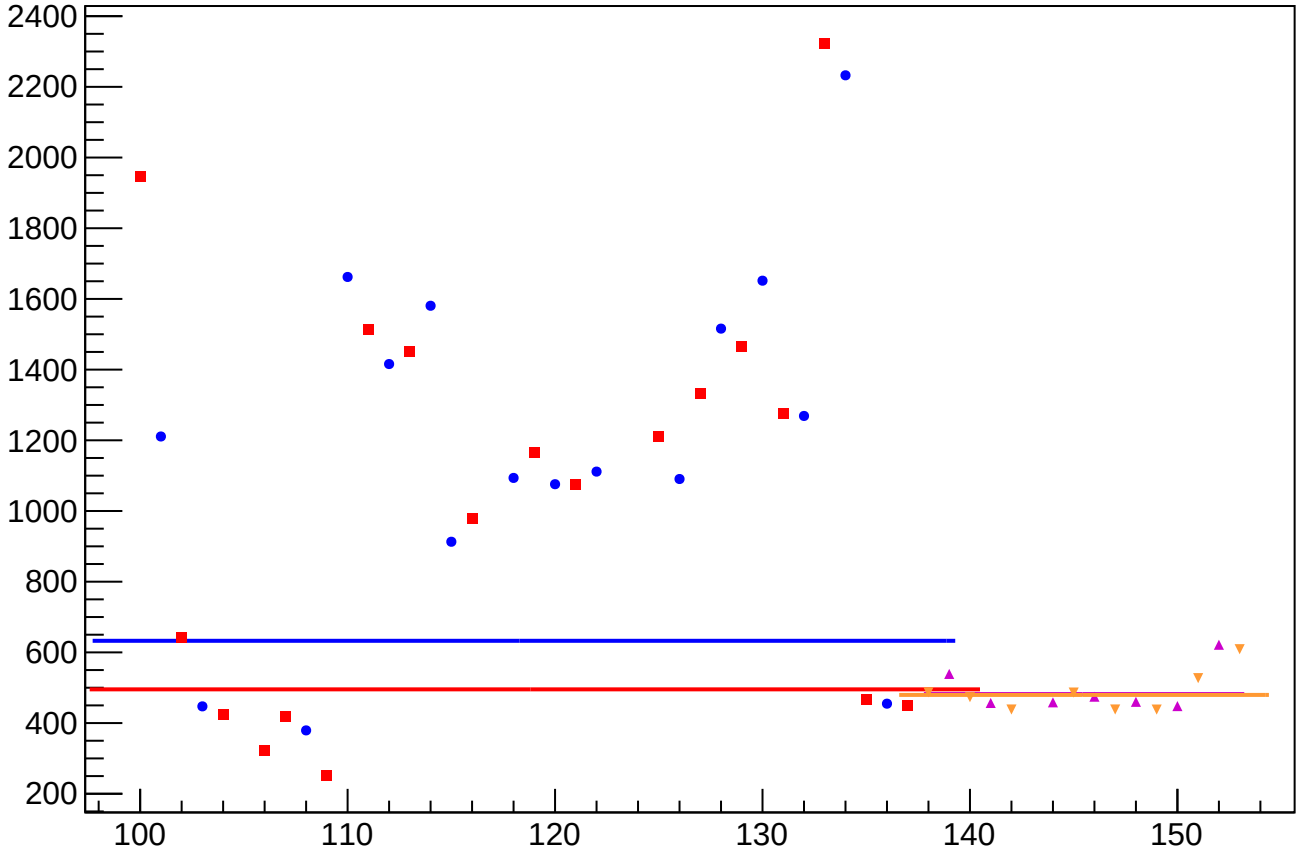
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 171.272+/-196.323 χ^2/NDF:1.6/6

+ sign 207.906+/-158.673 χ^2/NDF: 40.8/23

All: 233.104+/-108.884 χ^2/NDF: 56.9/48

- sign 255.530+/-149.691 χ^2/NDF: 16.0/24



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 479.666+/-0.137 χ^2/NDF:125752.1/7

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

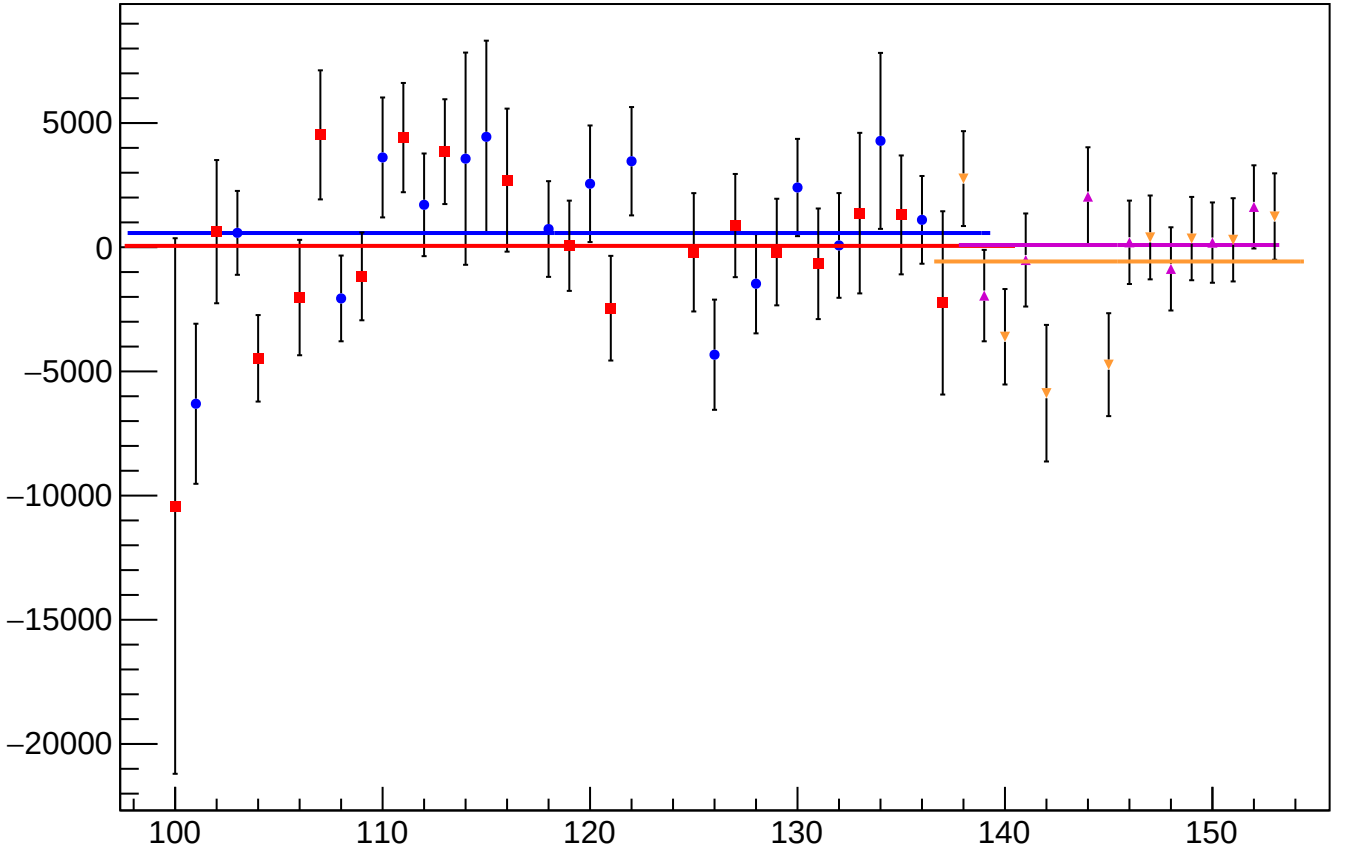
Left In: 482.158+/-0.139 χ^2/NDF:129907.1/6

+ sign 530.729+/-0.112 χ^2/NDF: 4307324.2/23

All: 507.959+/-0.077 χ^2/NDF: 8856357.6/48

- sign 487.693+/-0.106 χ^2/NDF: 4471189.4/24

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -573.686+/-658.977 χ^2/NDF:15.3/7

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

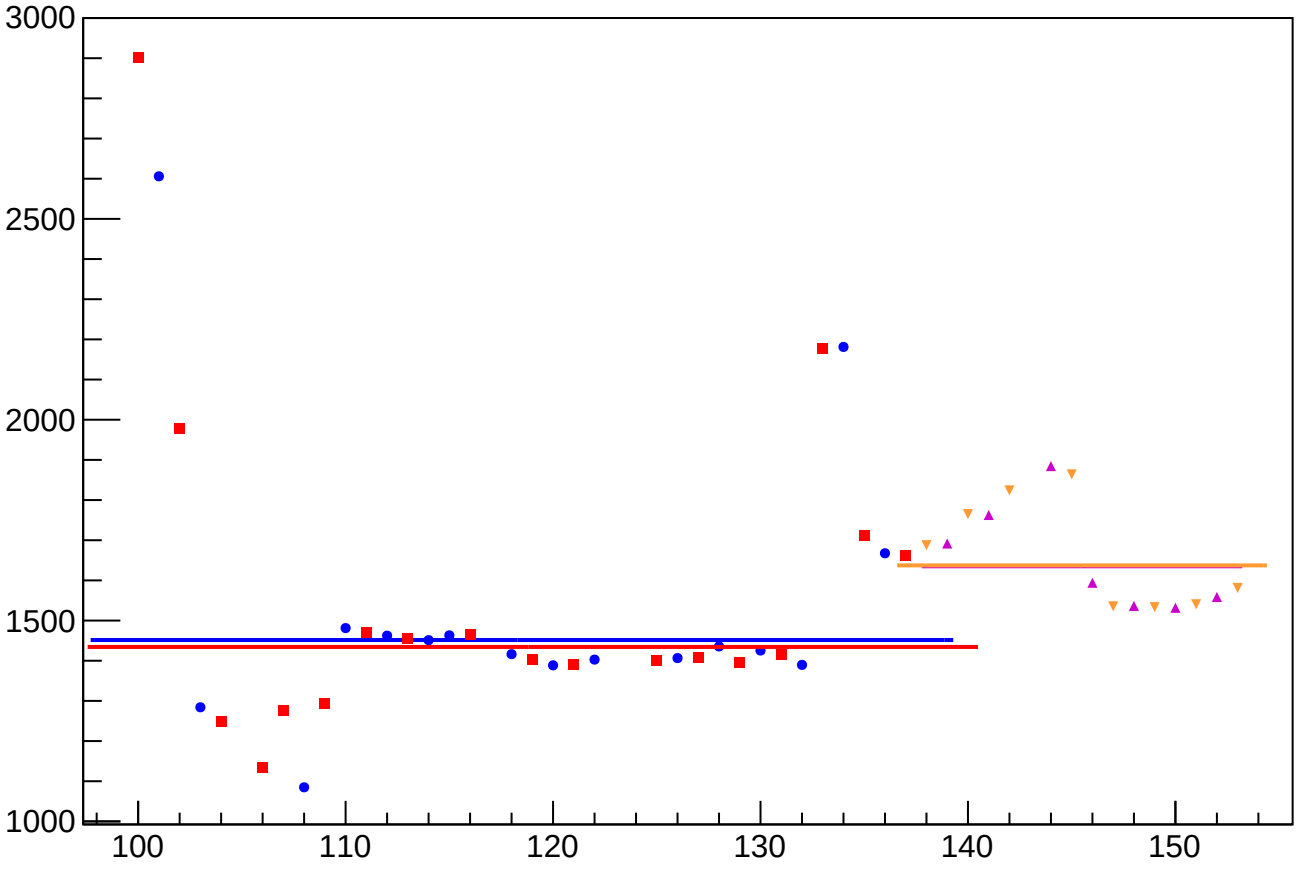
Left In: 89.676+/-661.738 χ^2/NDF:3.5/6

+ sign 102.133+/-422.089 χ^2/NDF: 37.8/23

All: 85.158+/-298.024 χ^2/NDF: 63.8/48

- sign 68.283+/-420.852 χ^2/NDF: 26.0/24

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1637.369+/-0.466 χ^2/NDF:67063.1/7

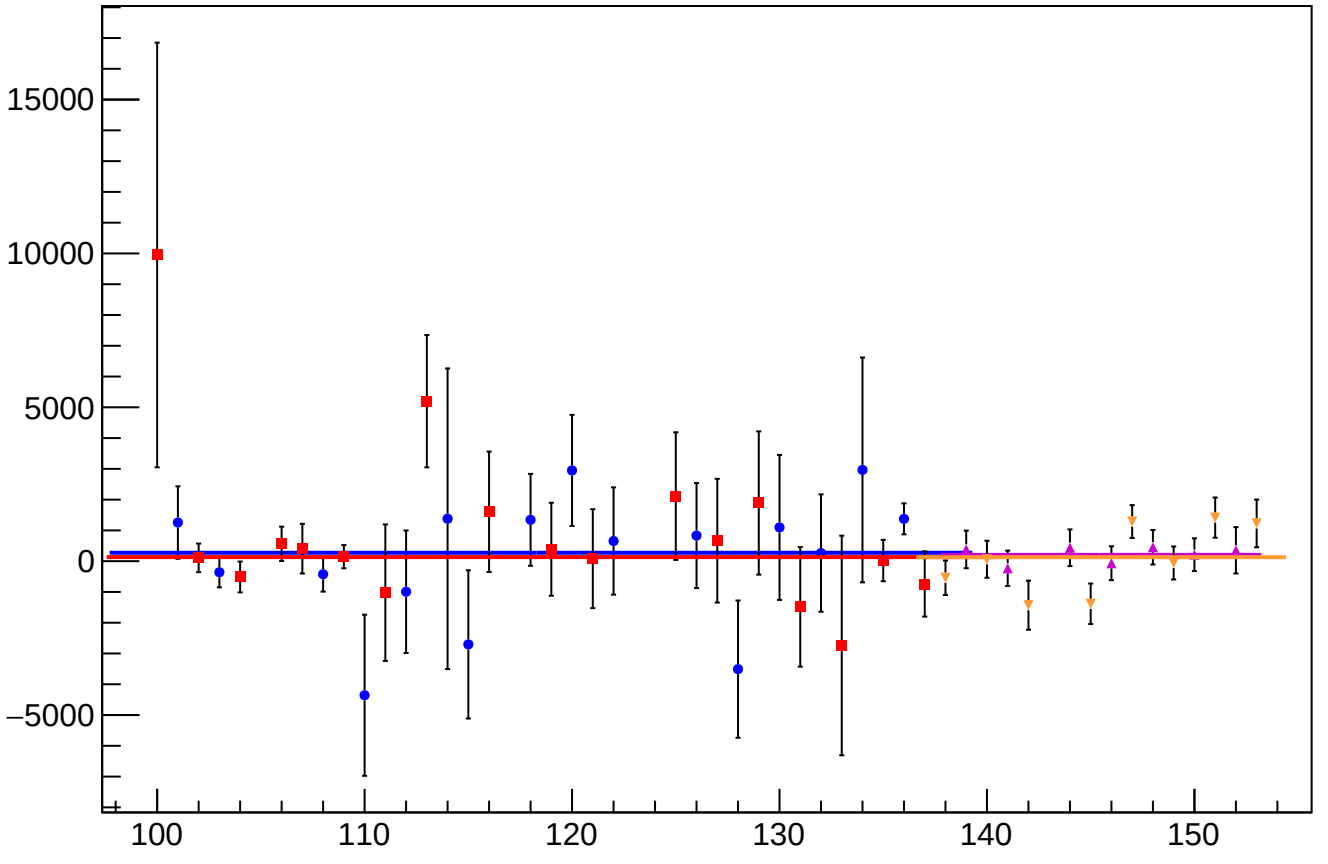
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1635.103+/-0.468 χ^2/NDF:63184.6/6

+ sign 1527.802+/-0.298 χ^2/NDF: 648653.1/23

All: 1521.649+/-0.211 χ^2/NDF: 1150926.7/48

- sign 1515.531+/-0.298 χ^2/NDF: 501425.9/24



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 129.249+/-219.085 χ^2/NDF:21.3/7

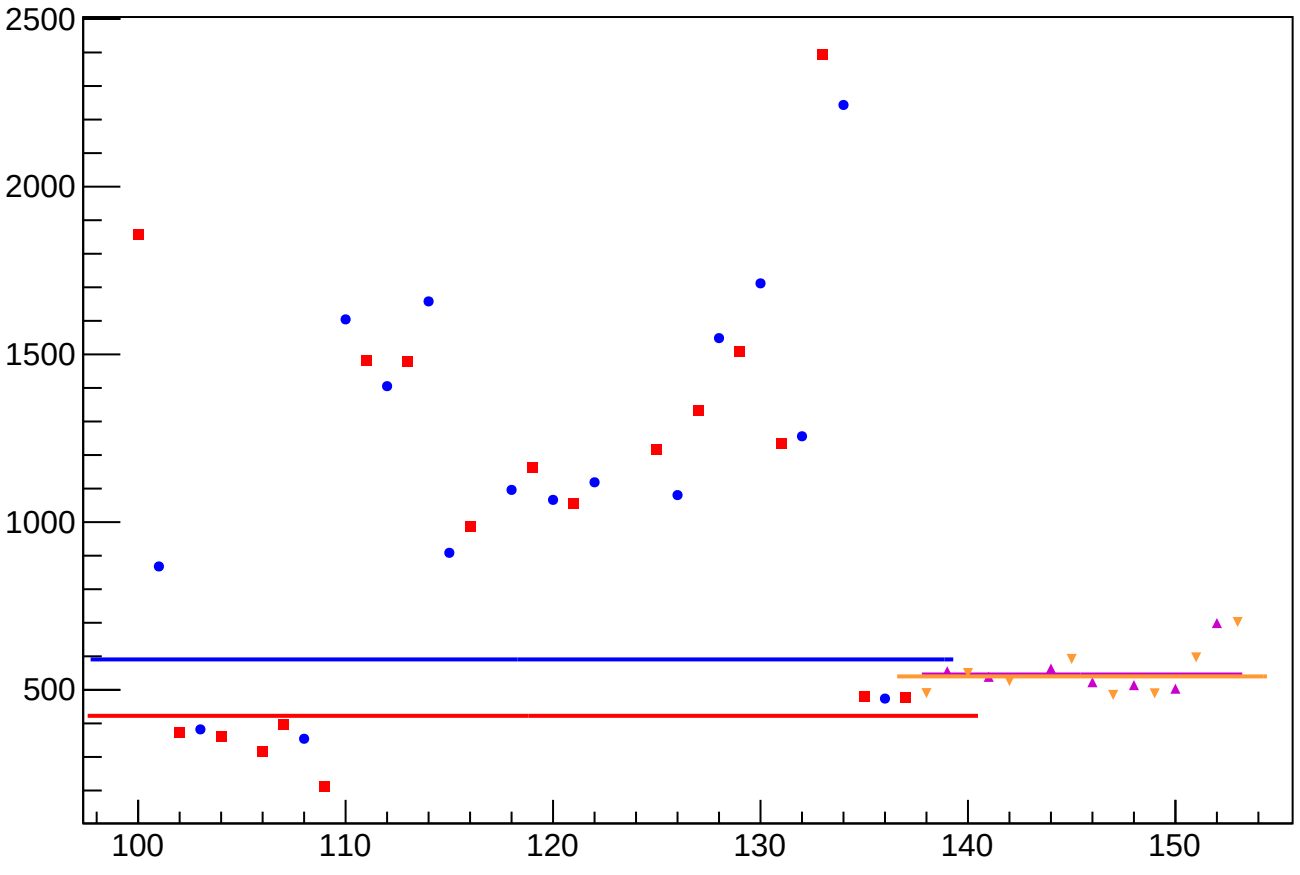
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 204.092+/-222.074 χ^2/NDF:1.3/6

+ sign 188.975+/-167.680 χ^2/NDF: 41.7/23

All: 174.777+/-110.505 χ^2/NDF: 57.4/48

- sign 163.877+/-146.923 χ^2/NDF: 15.8/24



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 540.099+/-0.155 χ^2/NDF:171220.9/7

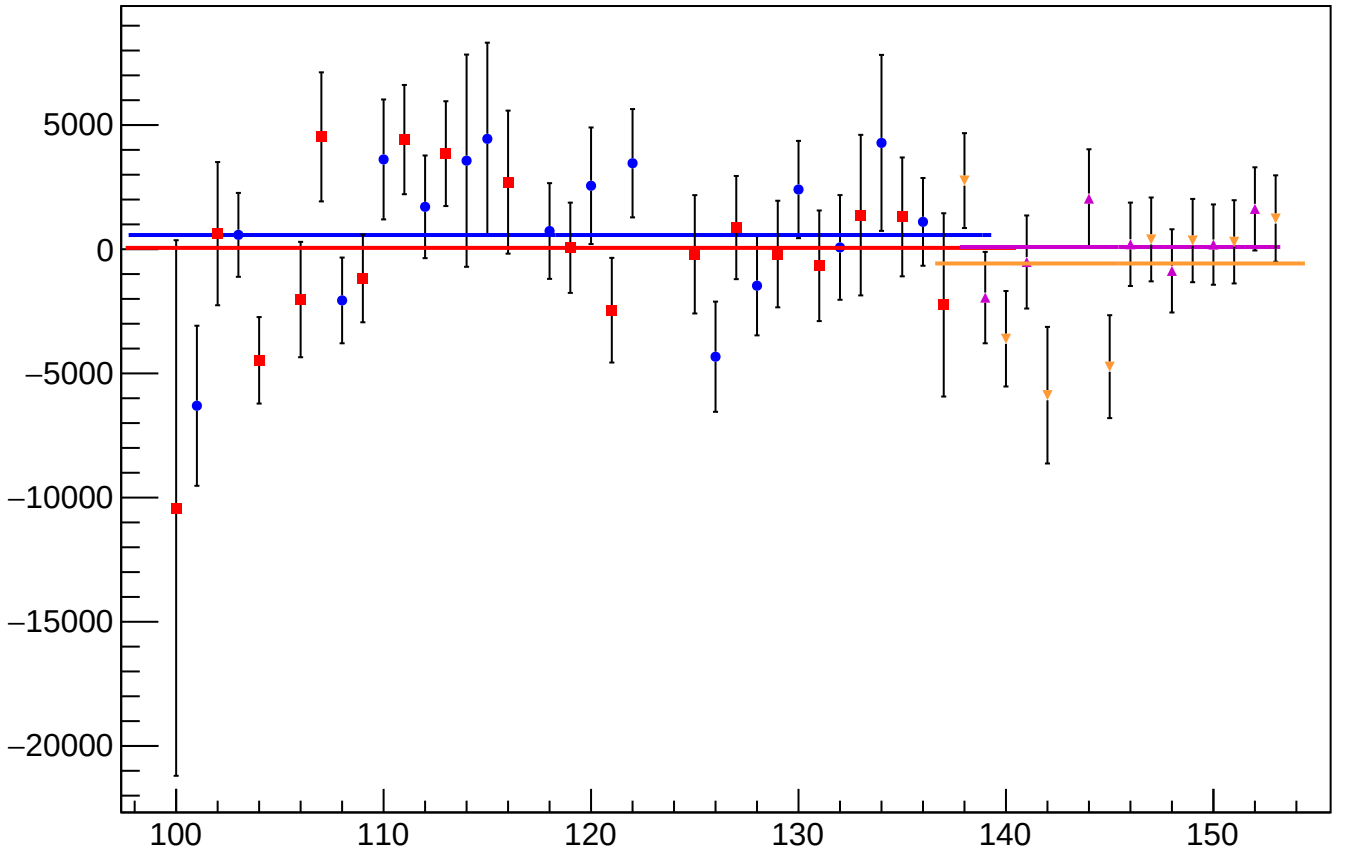
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 545.824+/-0.157 χ^2/NDF:108007.2/6

+ sign 561.079+/-0.119 χ^2/NDF: 4101000.3/23

All: 513.263+/-0.078 χ^2/NDF: 9700609.2/48

- sign 476.552+/-0.104 χ^2/NDF: 5312108.5/24



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -573.695+/-658.977 χ^2/NDF:15.3/7

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

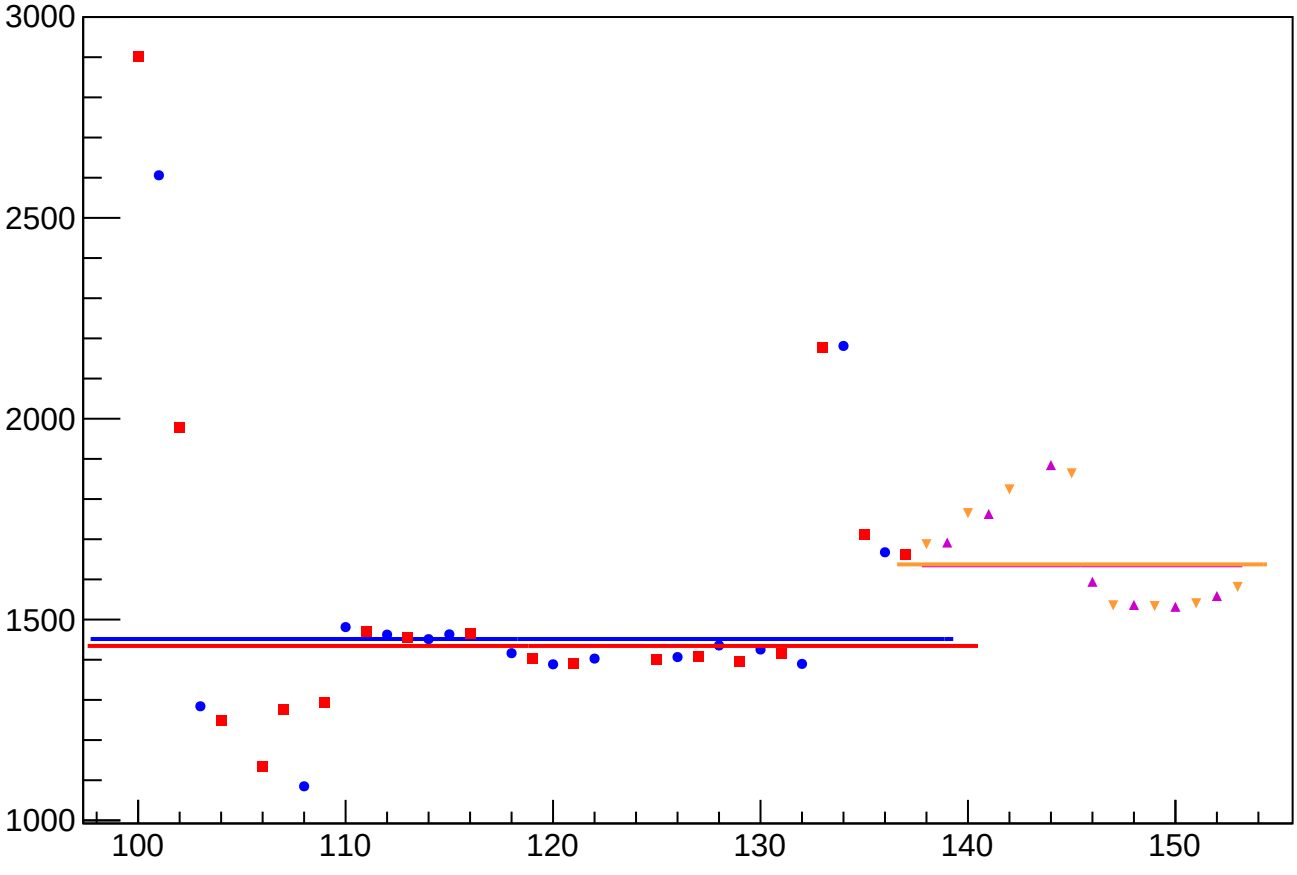
Left In: 89.682+/-661.738 χ^2/NDF:3.5/6

\+ sign 102.130+/-422.089 χ^2/NDF: 37.8/23

All: 85.157+/-298.024 χ^2/NDF: 63.8/48

\- sign 68.285+/-420.852 χ^2/NDF: 26.0/24

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1637.369+/-0.466 χ^2/NDF:67063.2/7

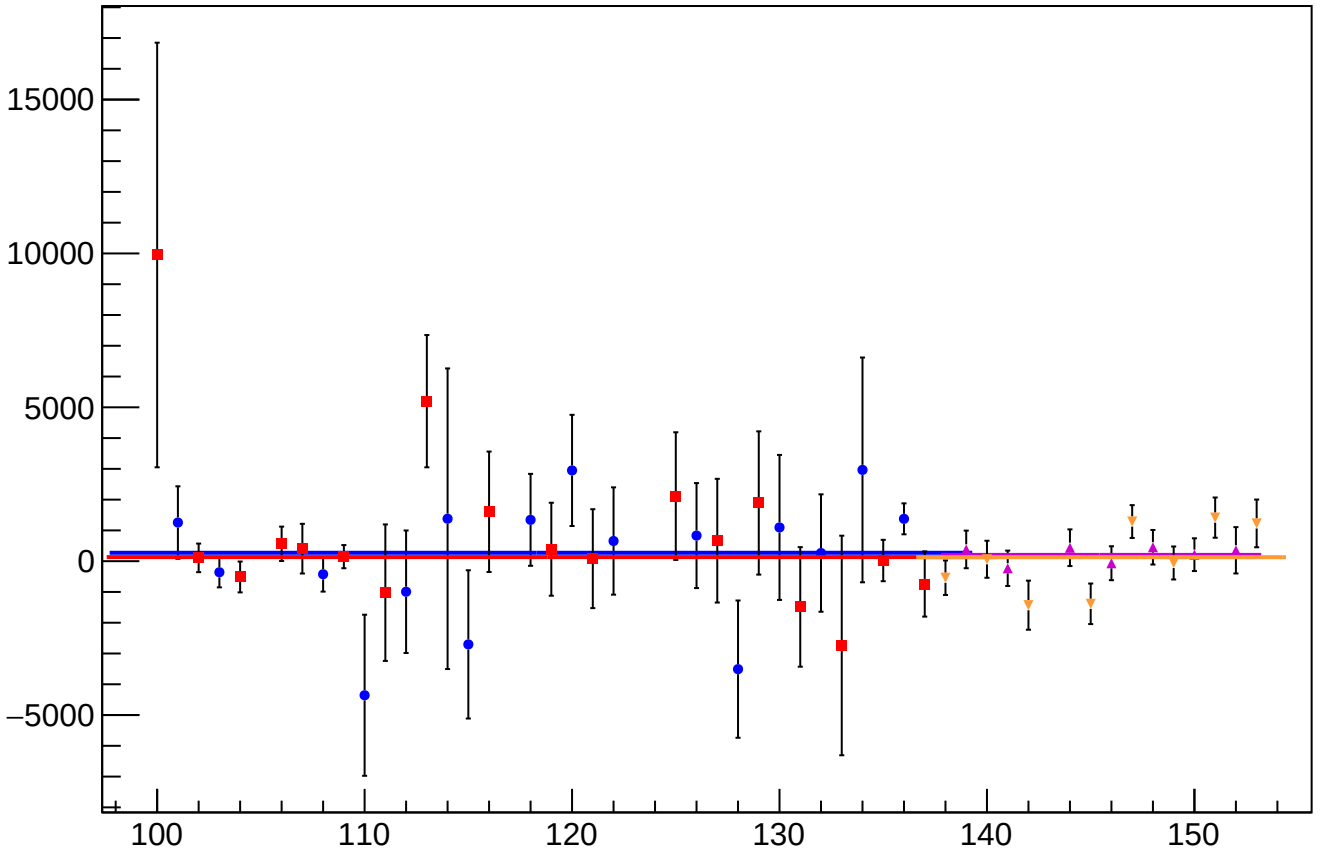
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1635.103+/-0.468 χ^2/NDF:63184.7/6

+ sign 1527.802+/-0.298 χ^2/NDF: 648652.9/23

All: 1521.649+/-0.211 χ^2/NDF: 1150926.7/48

- sign 1515.531+/-0.298 χ^2/NDF: 501426.1/24



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 129.260+/-219.087 χ^2/NDF:21.3/7

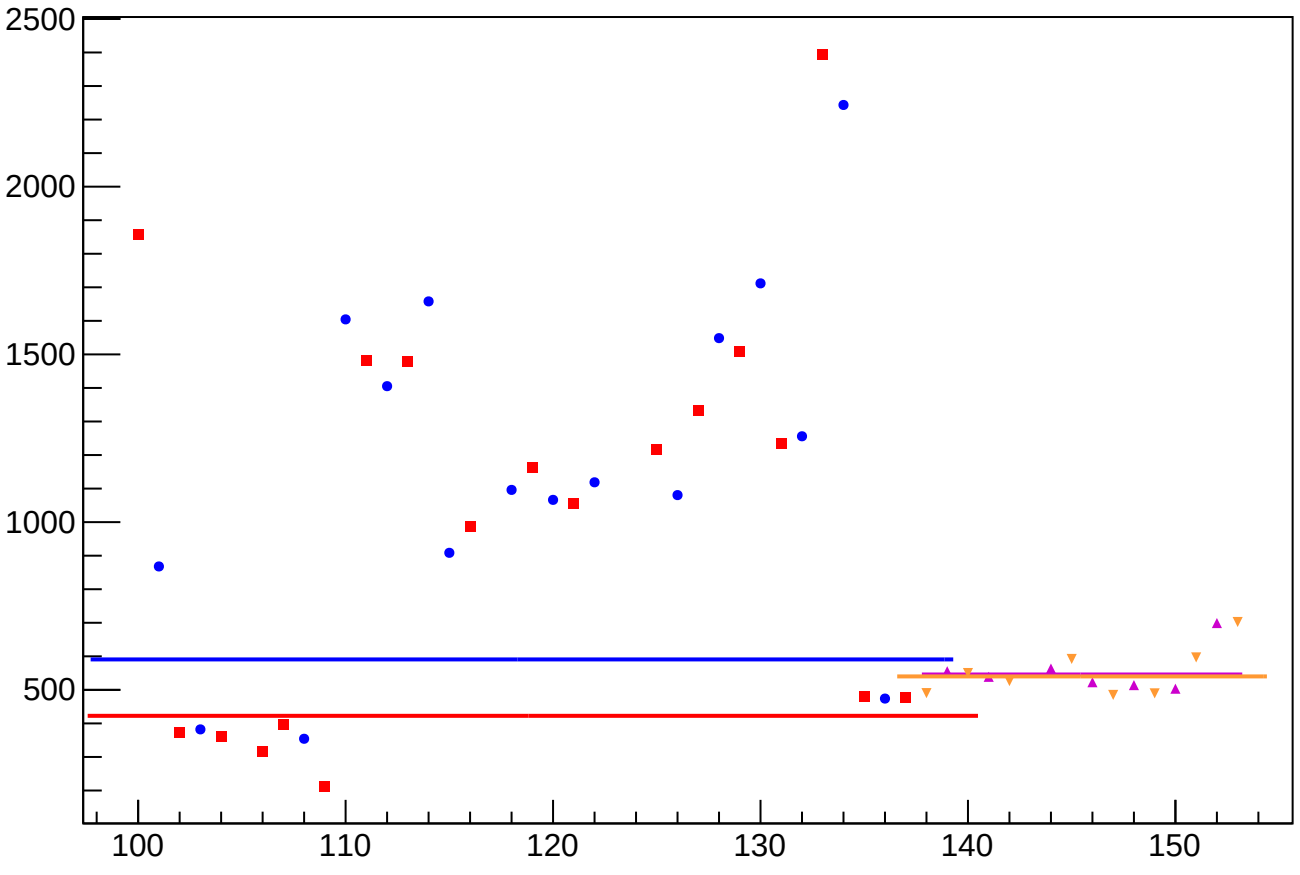
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 204.098+/-222.074 χ^2/NDF:1.3/6

\+ sign 188.978+/-167.681 χ^2/NDF: 41.7/23

All: 174.779+/-110.505 χ^2/NDF: 57.4/48

\- sign 163.877+/-146.924 χ^2/NDF: 15.8/24



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 540.103+/-0.155 χ^2/NDF:171218.8/7

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

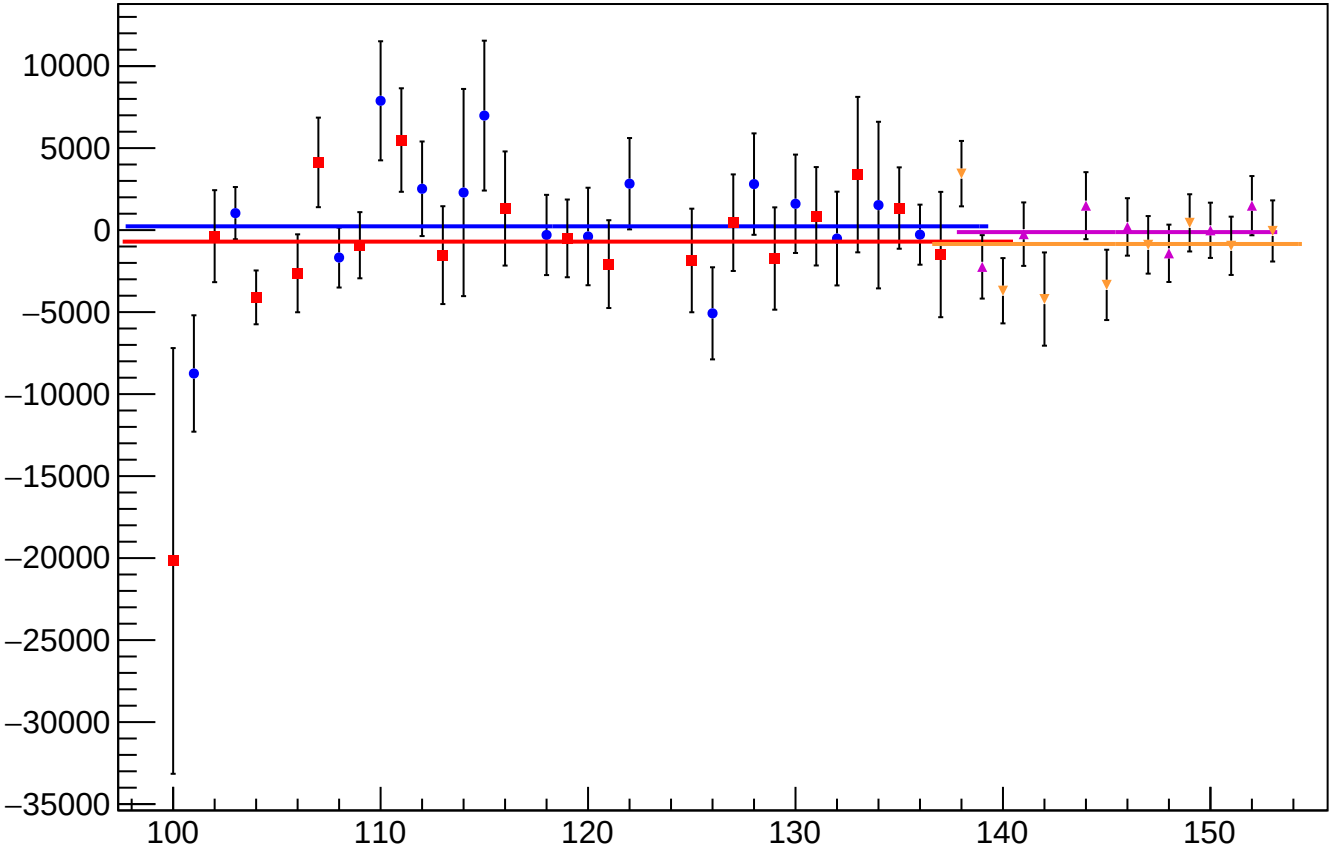
Left In: 545.825+/-0.157 χ^2/NDF:108026.6/6

+ sign 561.081+/-0.119 χ^2/NDF: 4101016.4/23

All: 513.266+/-0.078 χ^2/NDF: 9700516.5/48

- sign 476.556+/-0.104 χ^2/NDF: 5312016.7/24

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -845.919+/-689.556 χ^2/NDF:10.2/7

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

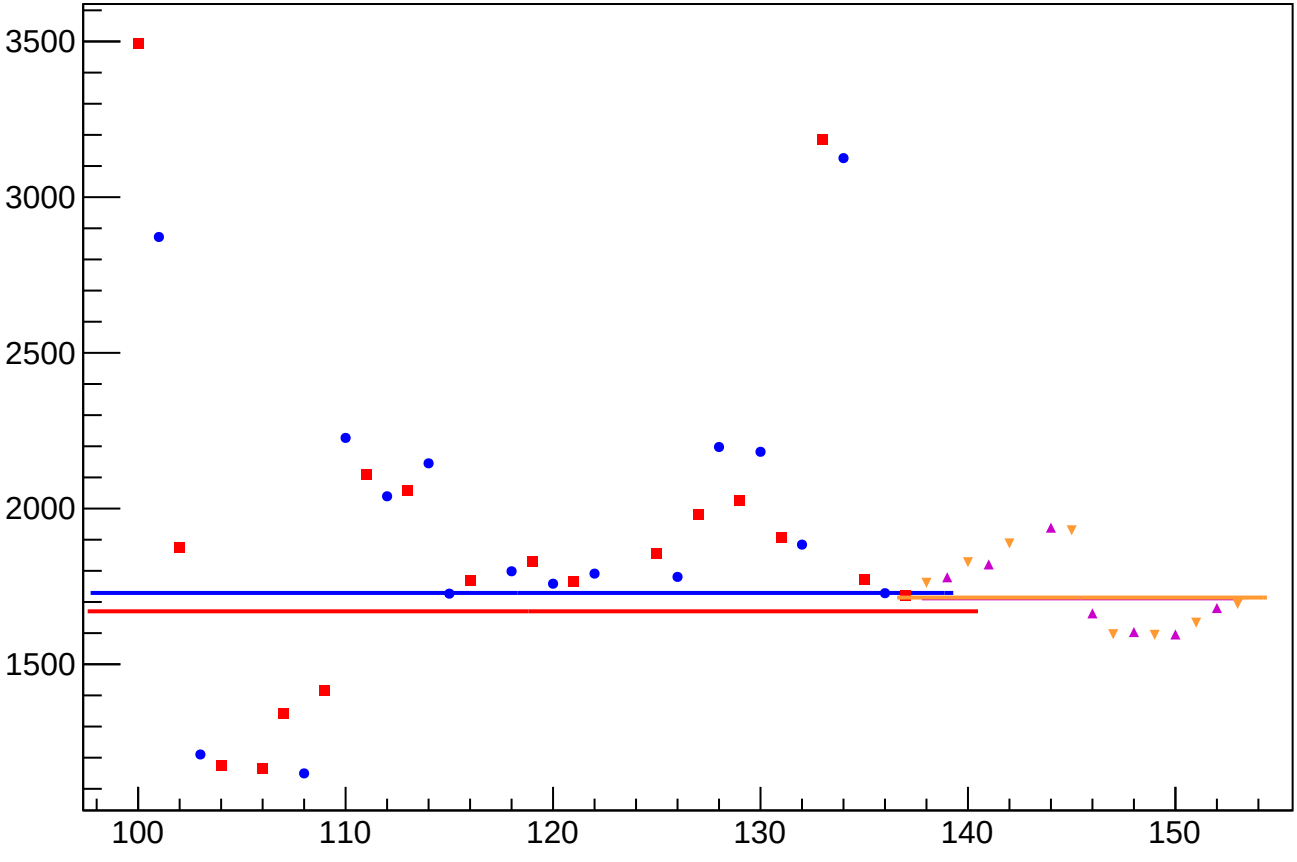
Left In: -121.601+/-692.428 χ^2/NDF:3.2/6

+ sign -289.069+/-479.134 χ^2/NDF: 32.2/23

All: -360.919+/-336.702 χ^2/NDF: 52.8/48

- sign -431.017+/-473.257 χ^2/NDF: 20.6/24

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1714.202+/-0.488 χ^2/NDF:58150.8/7

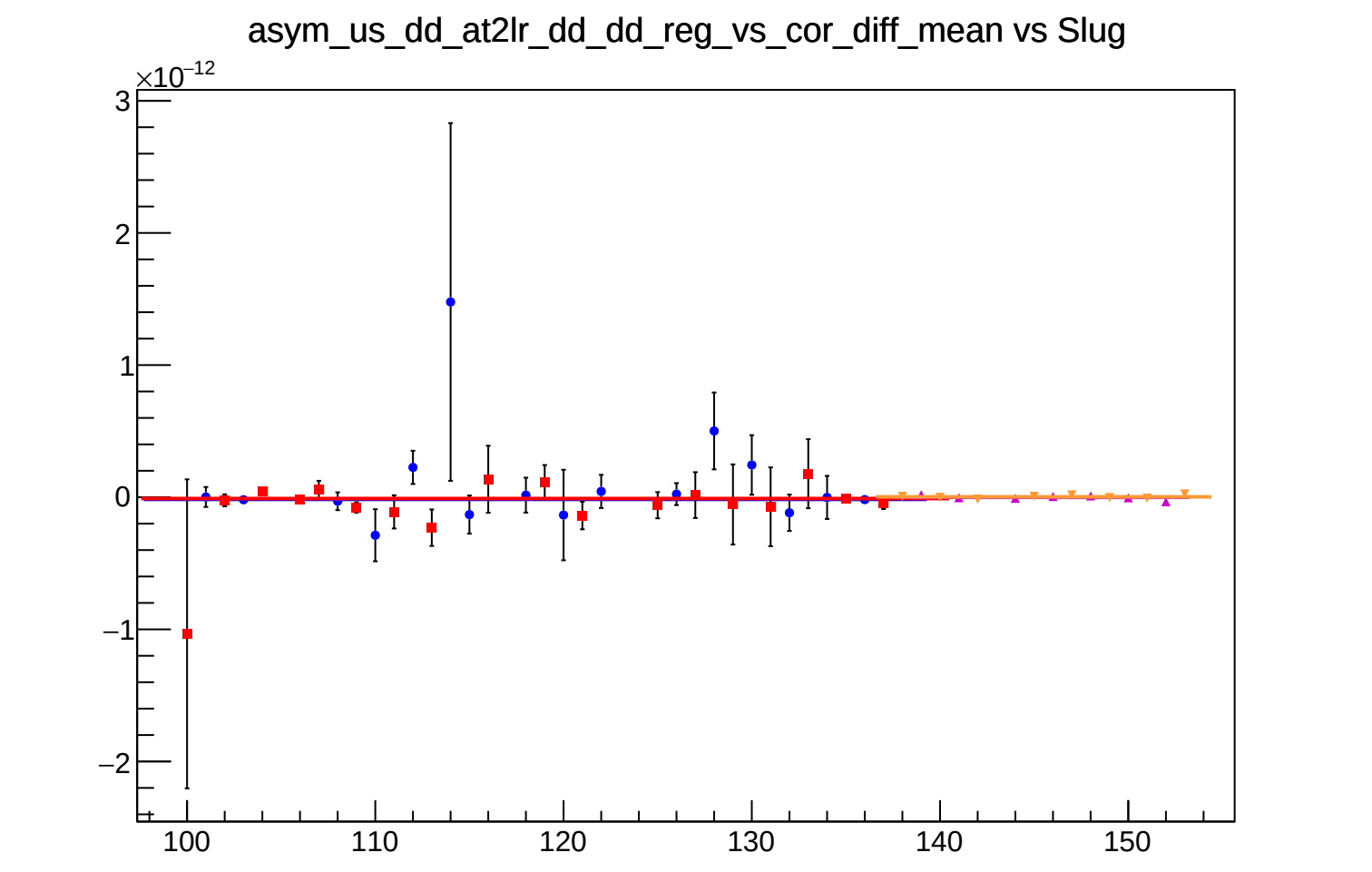
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

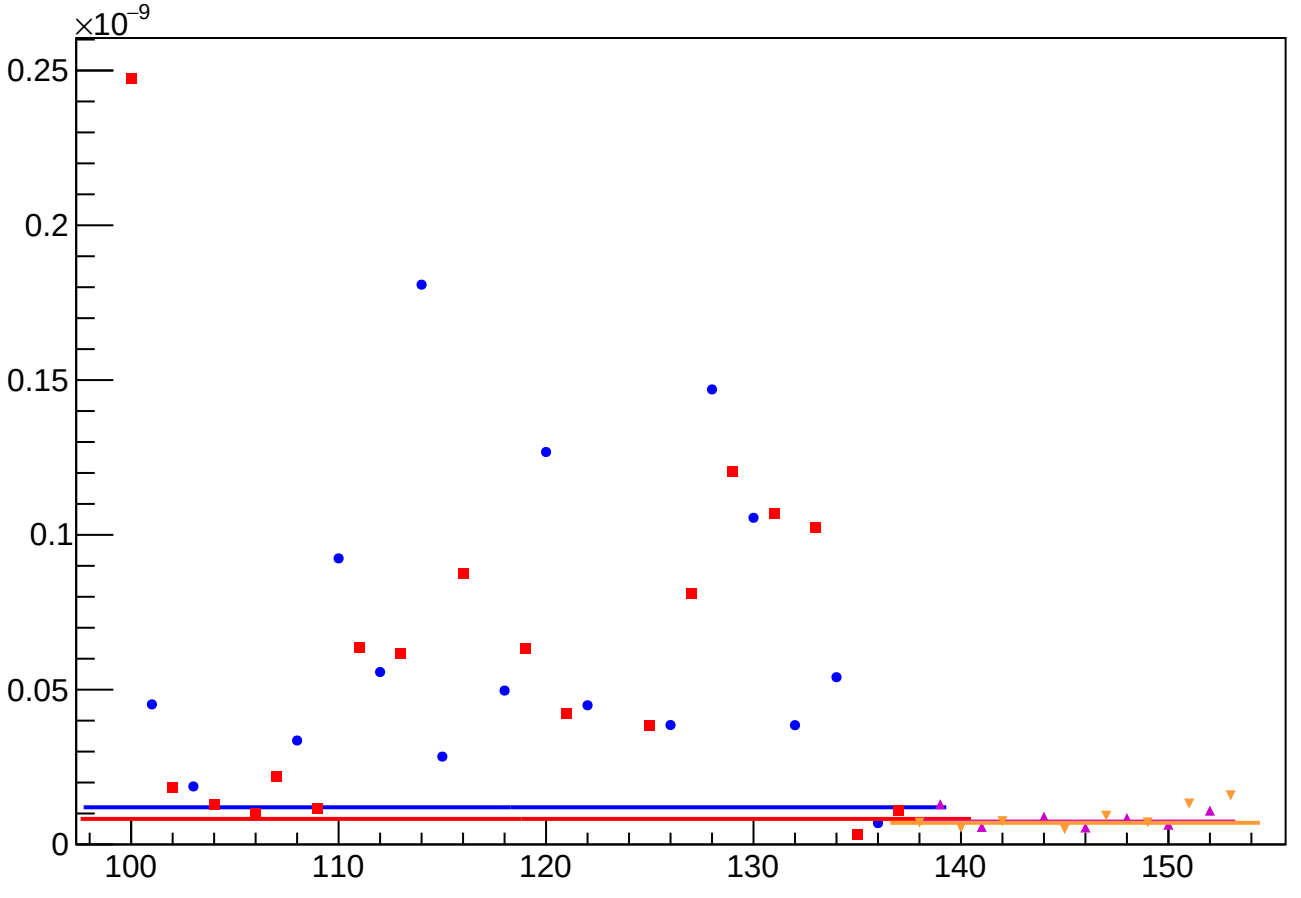
Left In: 1711.703+/-0.490 χ^2/NDF:52721.8/6

+ sign 1721.881+/-0.339 χ^2/NDF: 1000709.5/23

All: 1705.496+/-0.238 χ^2/NDF: 1806359.3/48

- sign 1689.511+/-0.335 χ^2/NDF: 801029.2/24


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3.2/7
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:5.6/6
+ sign -0.000+/-0.000 χ²/NDF: 19.3/23
All: -0.000+/-0.000 χ²/NDF: 42.3/48
- sign -0.000+/-0.000 χ²/NDF: 22.9/24



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:617536.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

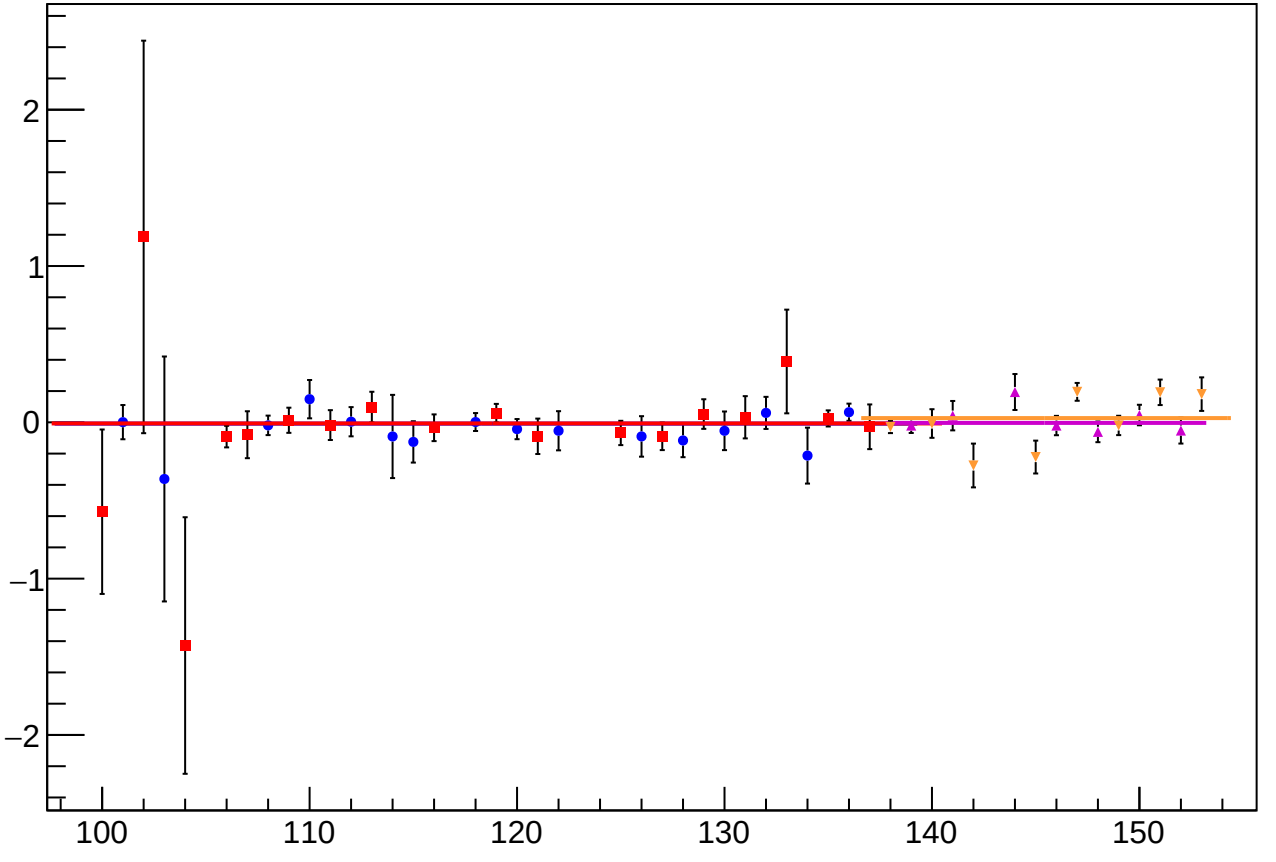
Left In: 0.000+/-0.000 χ^2/NDF:452583.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 4437263.1/23

All: 0.000+/-0.000 χ^2/NDF: 8419093.6/48

- sign 0.000+/-0.000 χ^2/NDF: 3977643.1/24

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.027+/-0.024 χ^2/NDF:27.8/7

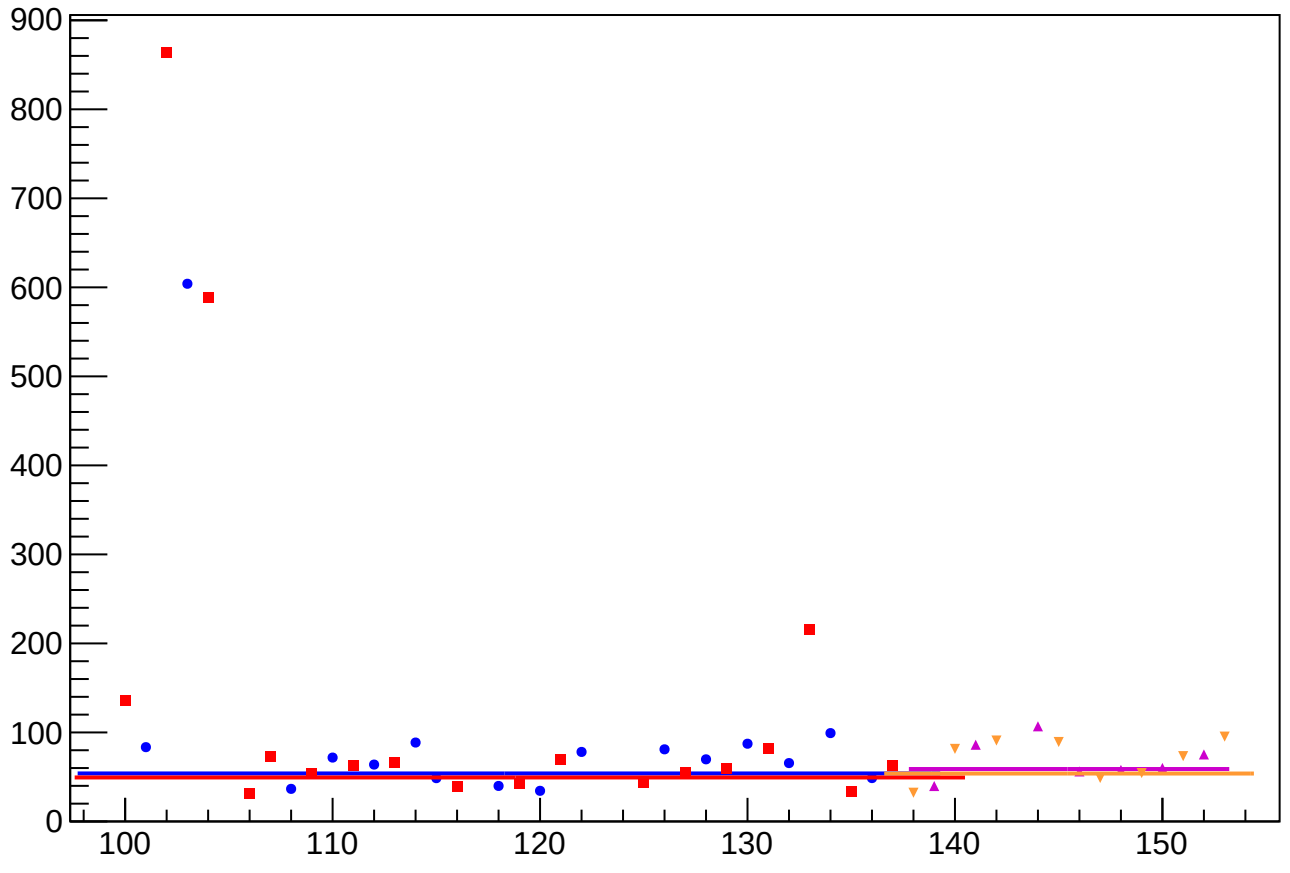
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.026 χ^2/NDF:5.1/6

+ sign 0.009+/-0.017 χ^2/NDF: 37.2/23

All: 0.002+/-0.012 χ^2/NDF: 56.3/48

- sign -0.006+/-0.017 χ^2/NDF: 18.8/24



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 53.835+/-0.017 χ^2/NDF:1562750.6/7

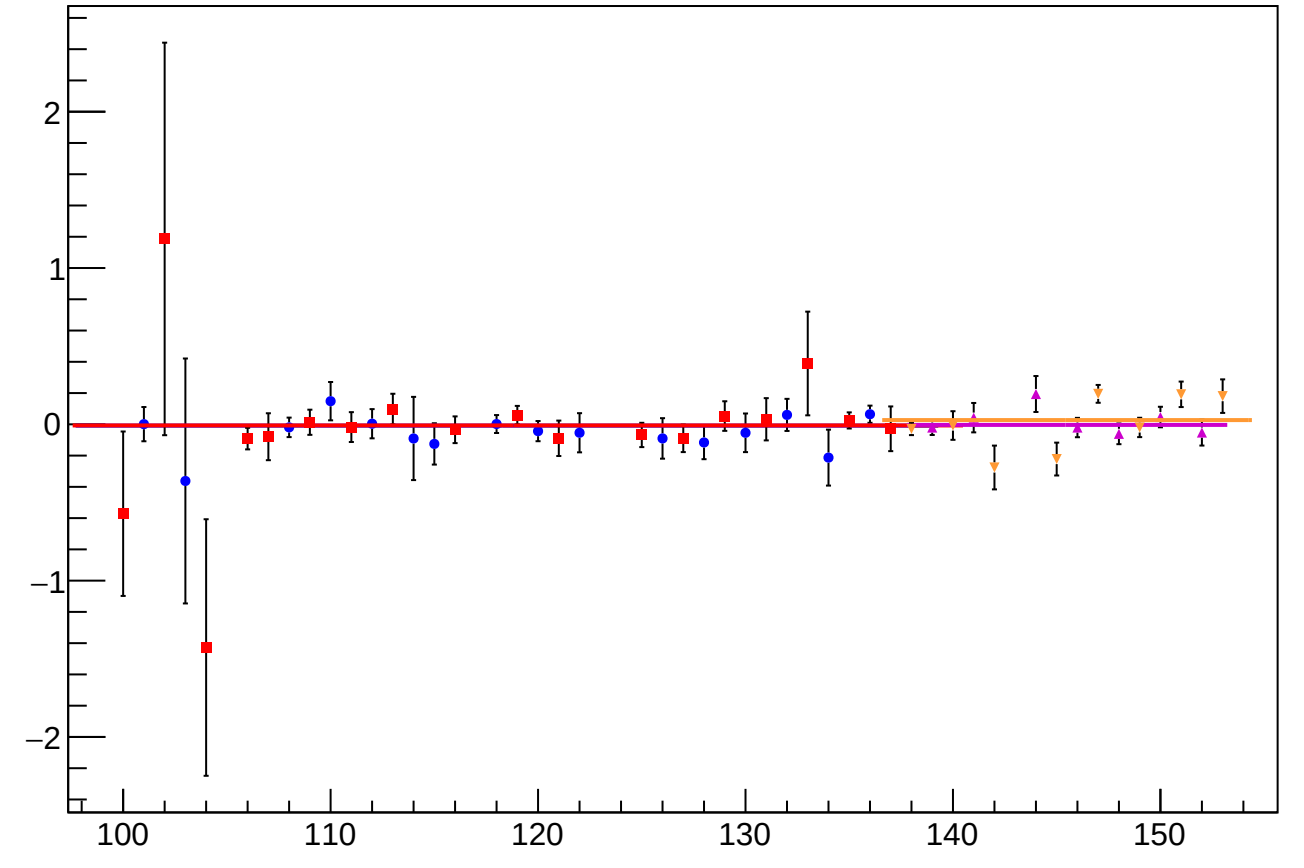
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 58.906+/-0.018 χ^2/NDF:920525.0/6

+ sign 53.883+/-0.012 χ^2/NDF: 3777113.3/23

All: 53.667+/-0.008 χ^2/NDF: 7870780.9/48

- sign 53.448+/-0.012 χ^2/NDF: 4092997.5/24



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.027+/-0.024 χ^2/NDF:27.8/7

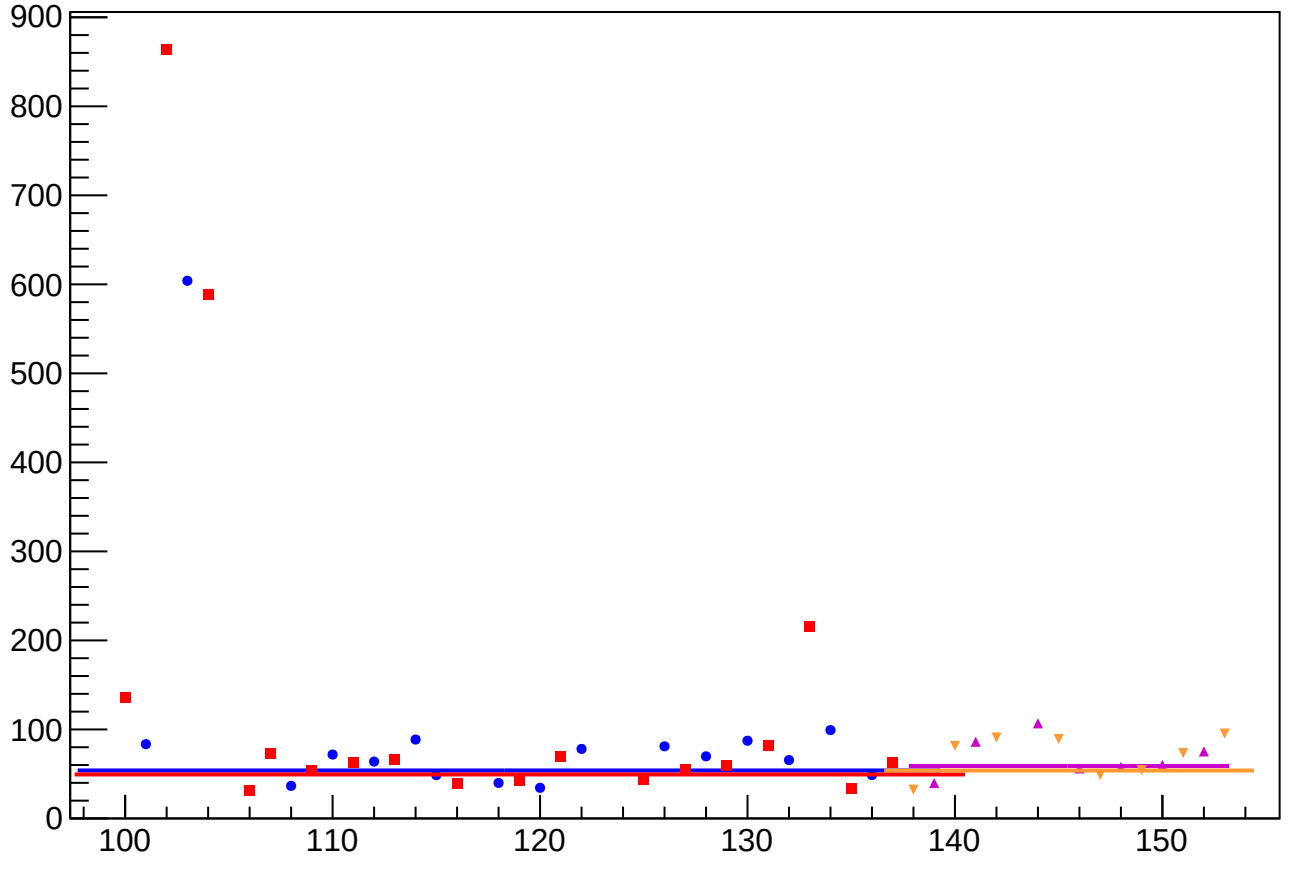
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.026 χ^2/NDF:5.1/6

+ sign 0.009+/-0.017 χ^2/NDF: 37.2/23

All: 0.002+/-0.012 χ^2/NDF: 56.3/48

- sign -0.006+/-0.017 χ^2/NDF: 18.8/24



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 53.835+/-0.017 χ^2/NDF:1562750.6/7

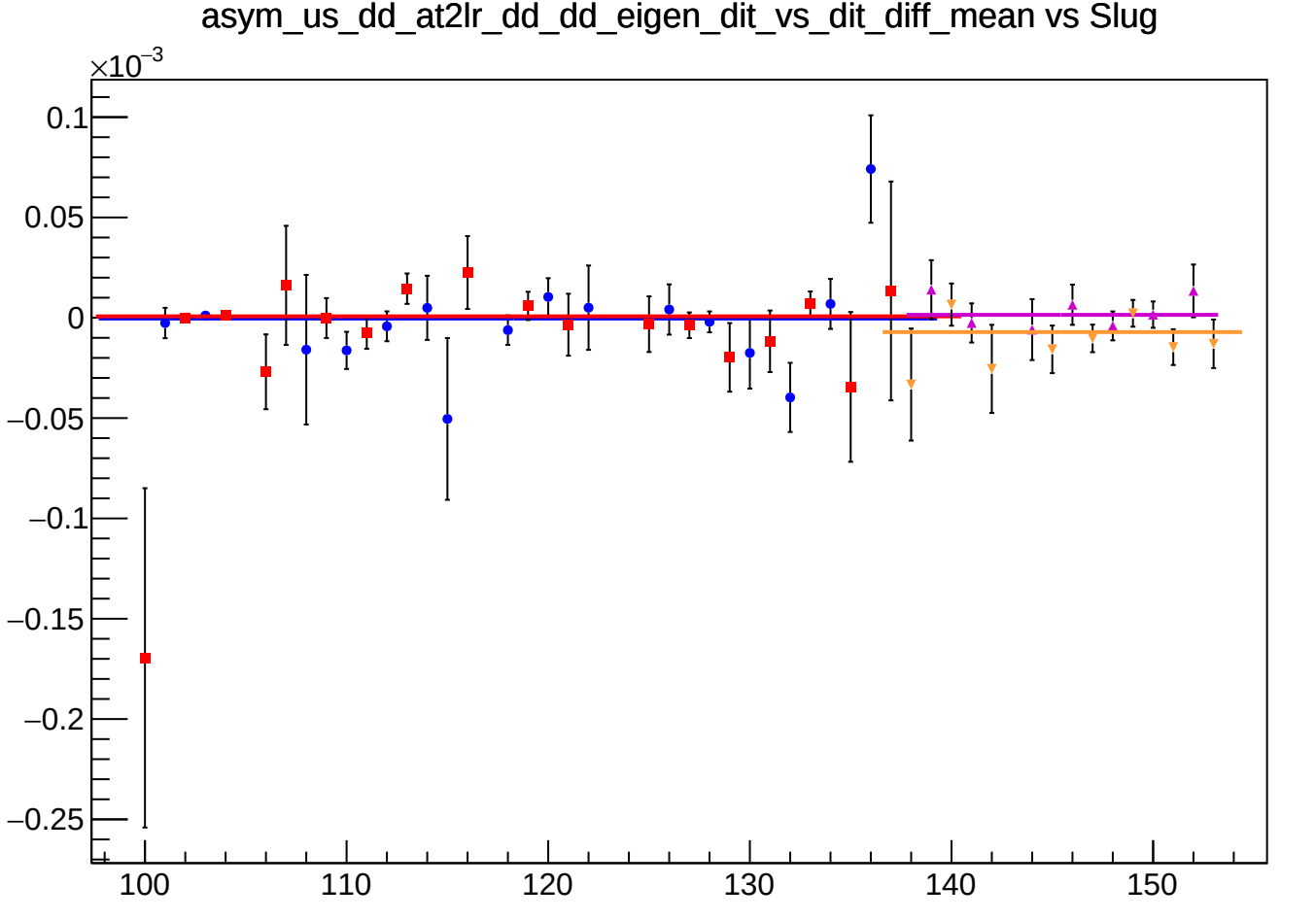
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 58.906+/-0.018 χ^2/NDF:920525.0/6

+ sign 53.883+/-0.012 χ^2/NDF: 3777113.3/23

All: 53.667+/-0.008 χ^2/NDF: 7870780.9/48

- sign 53.448+/-0.012 χ^2/NDF: 4092997.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/7

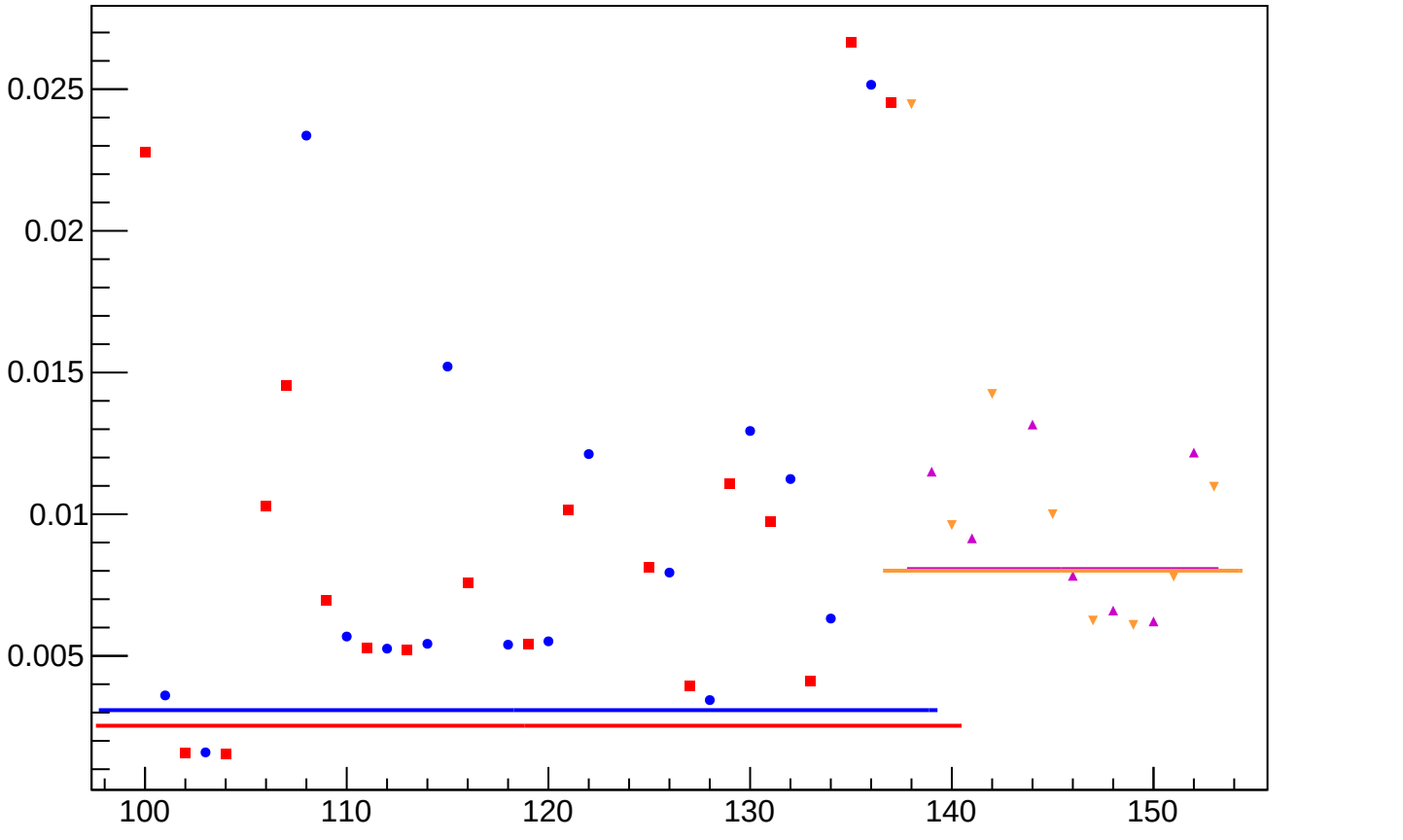
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/23

All: -0.000+/-0.000 χ^2/NDF: 54.4/48

- sign 0.000+/-0.000 χ^2/NDF: 20.7/24



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:1376939.5/7

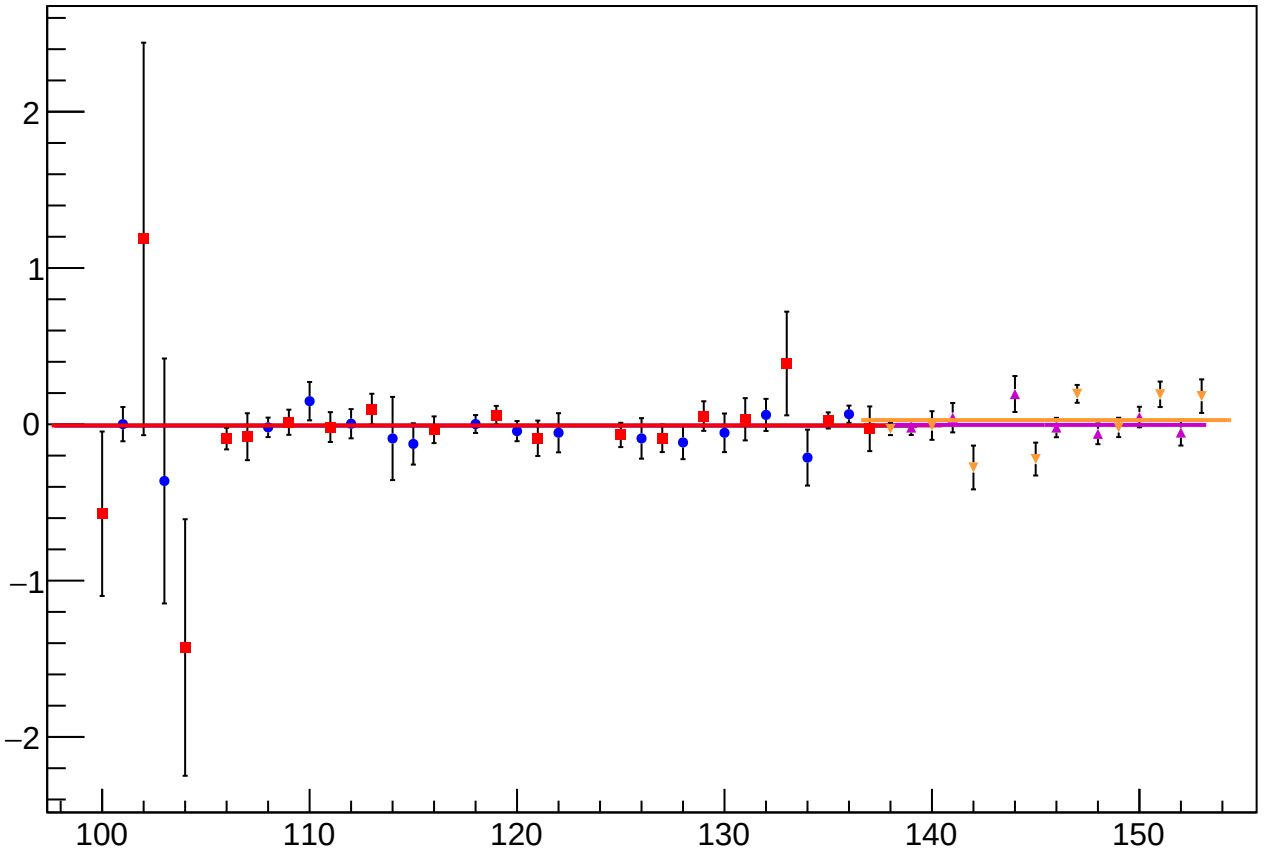
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.008+/-0.000 χ^2/NDF:797511.6/6

+ sign 0.004+/-0.000 χ^2/NDF: 10443897.7/23

All: 0.003+/-0.000 χ^2/NDF: 22065014.7/48

- sign 0.003+/-0.000 χ^2/NDF: 11252659.7/24



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.027+/-0.024 χ^2/NDF:27.8/7

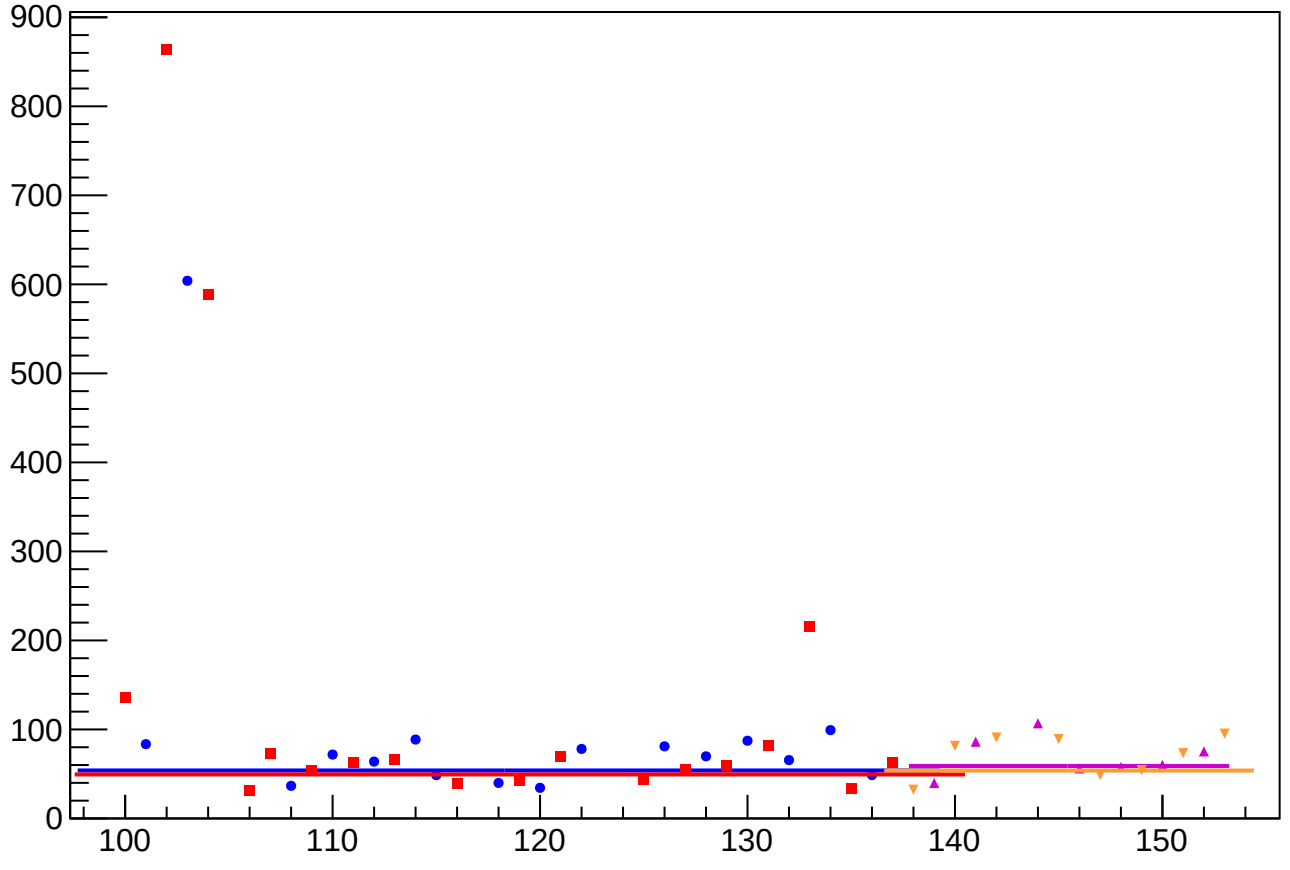
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.026 χ^2/NDF:5.1/6

+ sign 0.009+/-0.017 χ^2/NDF: 37.2/23

All: 0.002+/-0.012 χ^2/NDF: 56.3/48

- sign -0.006+/-0.017 χ^2/NDF: 18.8/24



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 53.839+/-0.017 χ^2/NDF:1562123.3/7

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

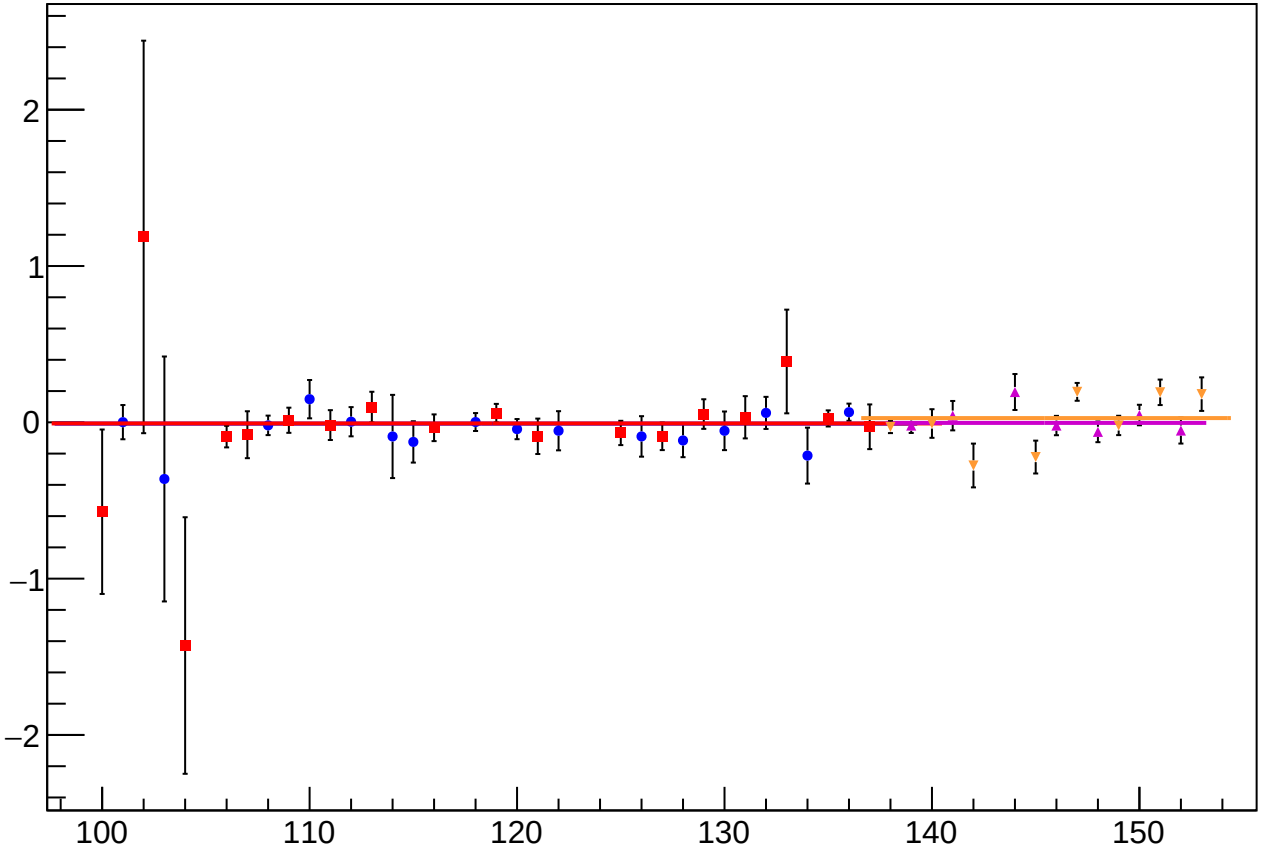
Left In: 58.906+/-0.018 χ^2/NDF:920599.2/6

+ sign 53.887+/-0.012 χ^2/NDF: 3776087.9/23

All: 53.669+/-0.008 χ^2/NDF: 7869464.0/48

- sign 53.449+/-0.012 χ^2/NDF: 4092697.7/24

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.027+/-0.024 χ^2/NDF:27.8/7

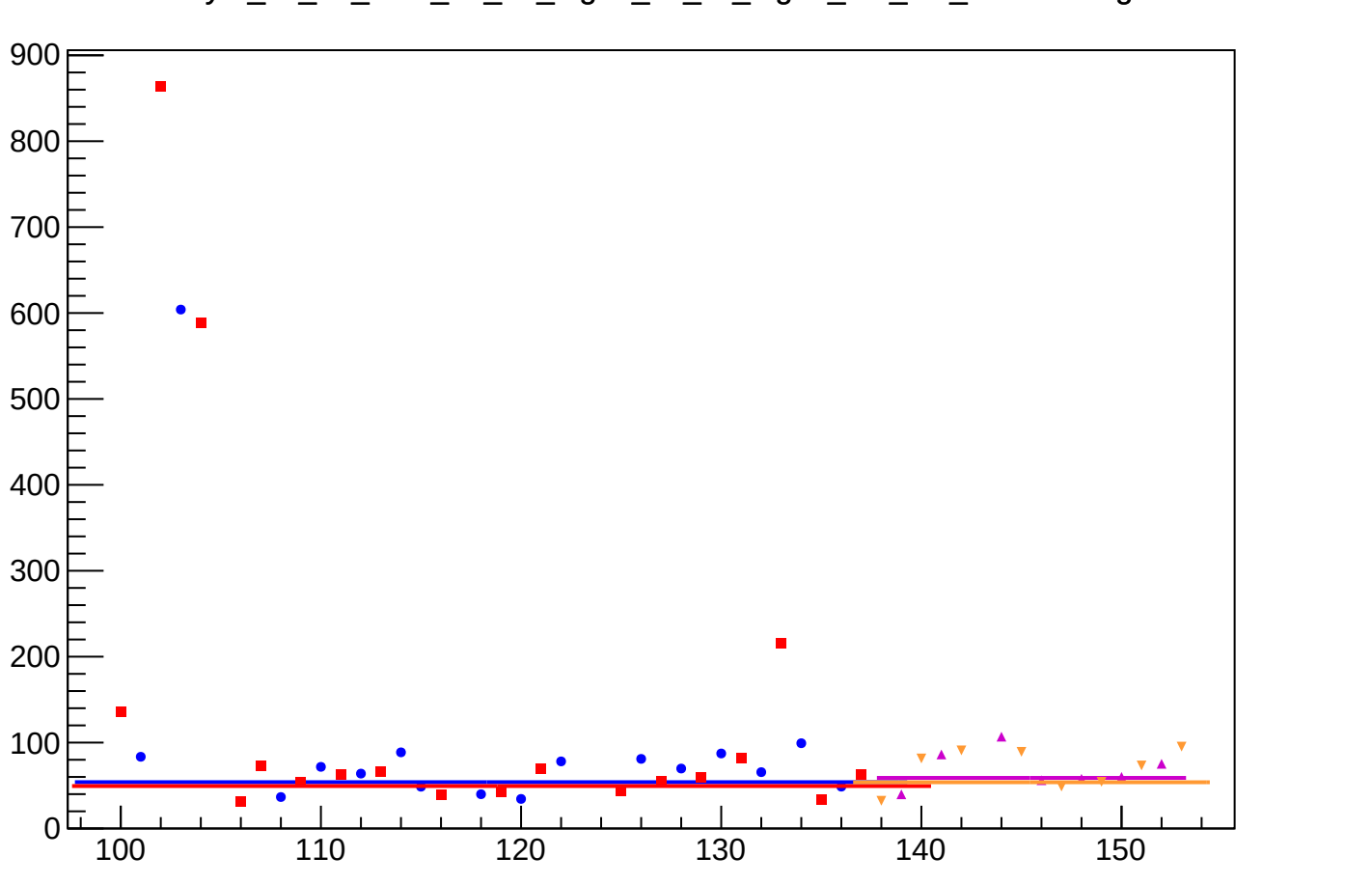
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.026 χ^2/NDF:5.1/6

+ sign 0.009+/-0.017 χ^2/NDF: 37.2/23

All: 0.002+/-0.012 χ^2/NDF: 56.3/48

- sign -0.006+/-0.017 χ^2/NDF: 18.8/24



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 53.839+/-0.017 χ^2/NDF:1562123.3/7

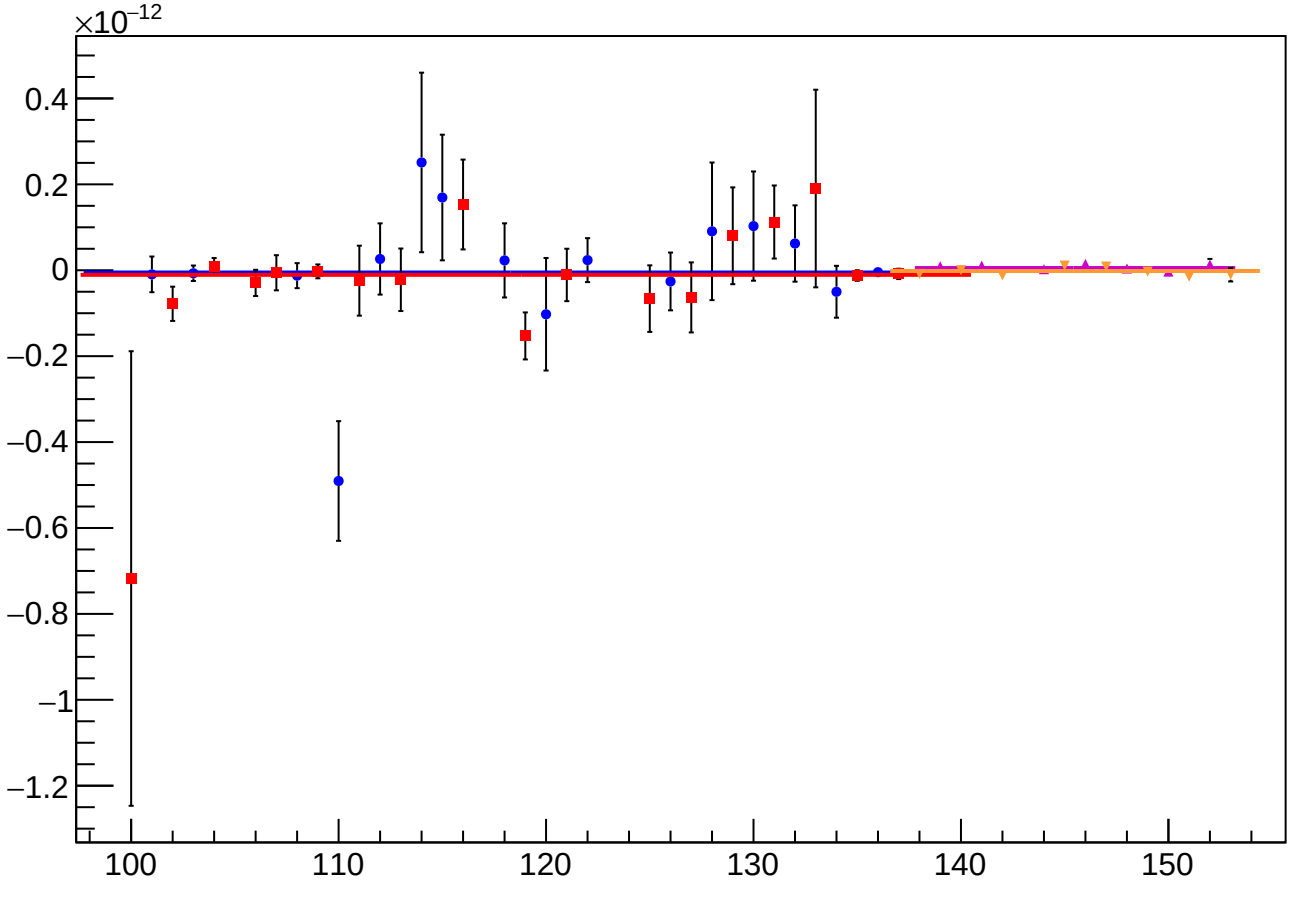
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 58.906+/-0.018 χ^2/NDF:920599.2/6

+ sign 53.887+/-0.012 χ^2/NDF: 3776087.9/23

All: 53.669+/-0.008 χ^2/NDF: 7869464.0/48

- sign 53.449+/-0.012 χ^2/NDF: 4092697.7/24



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/7

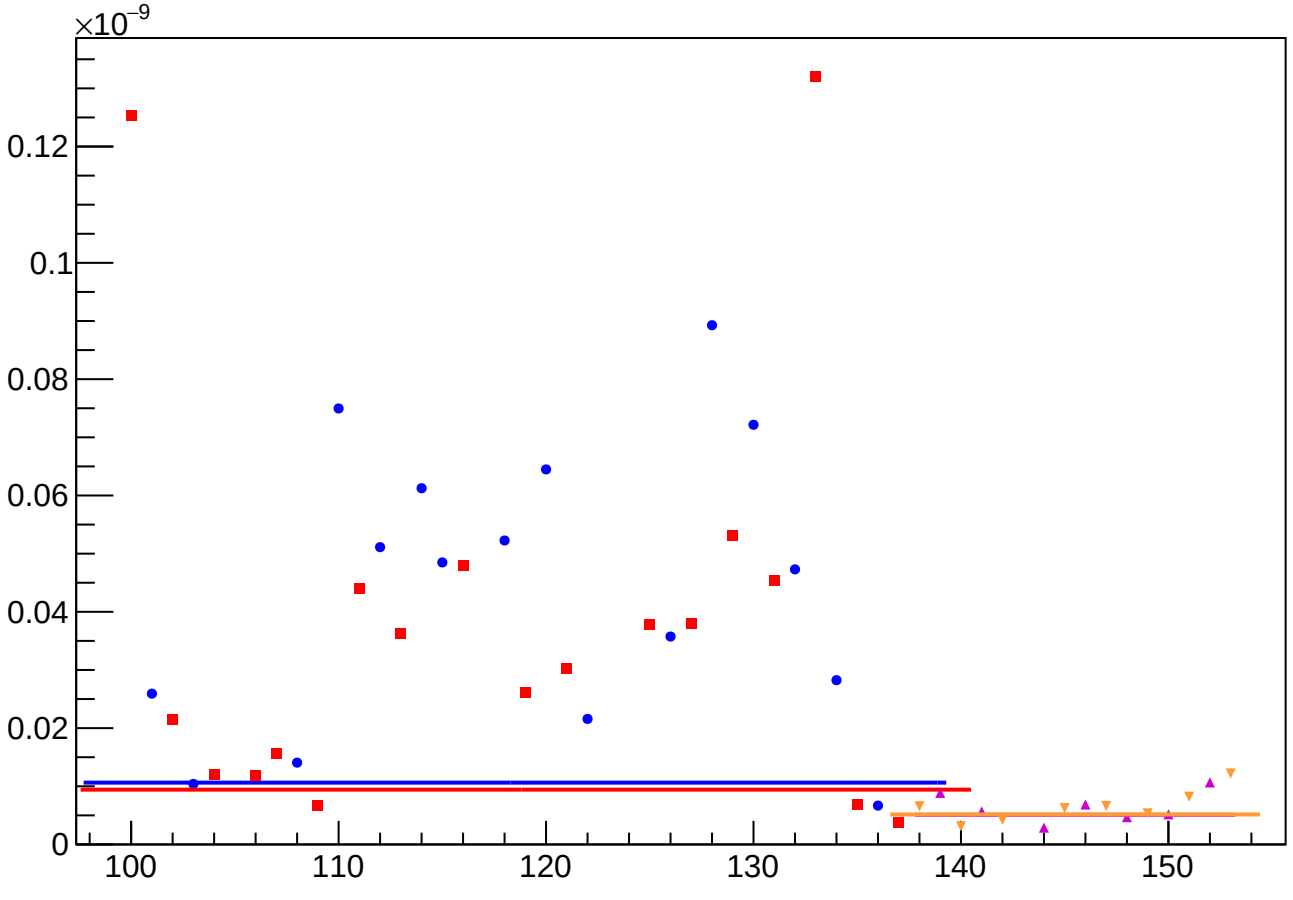
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 26.6/23

All: 0.000+/-0.000 χ^2/NDF: 57.7/48

- sign 0.000+/-0.000 χ^2/NDF: 29.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1114576.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

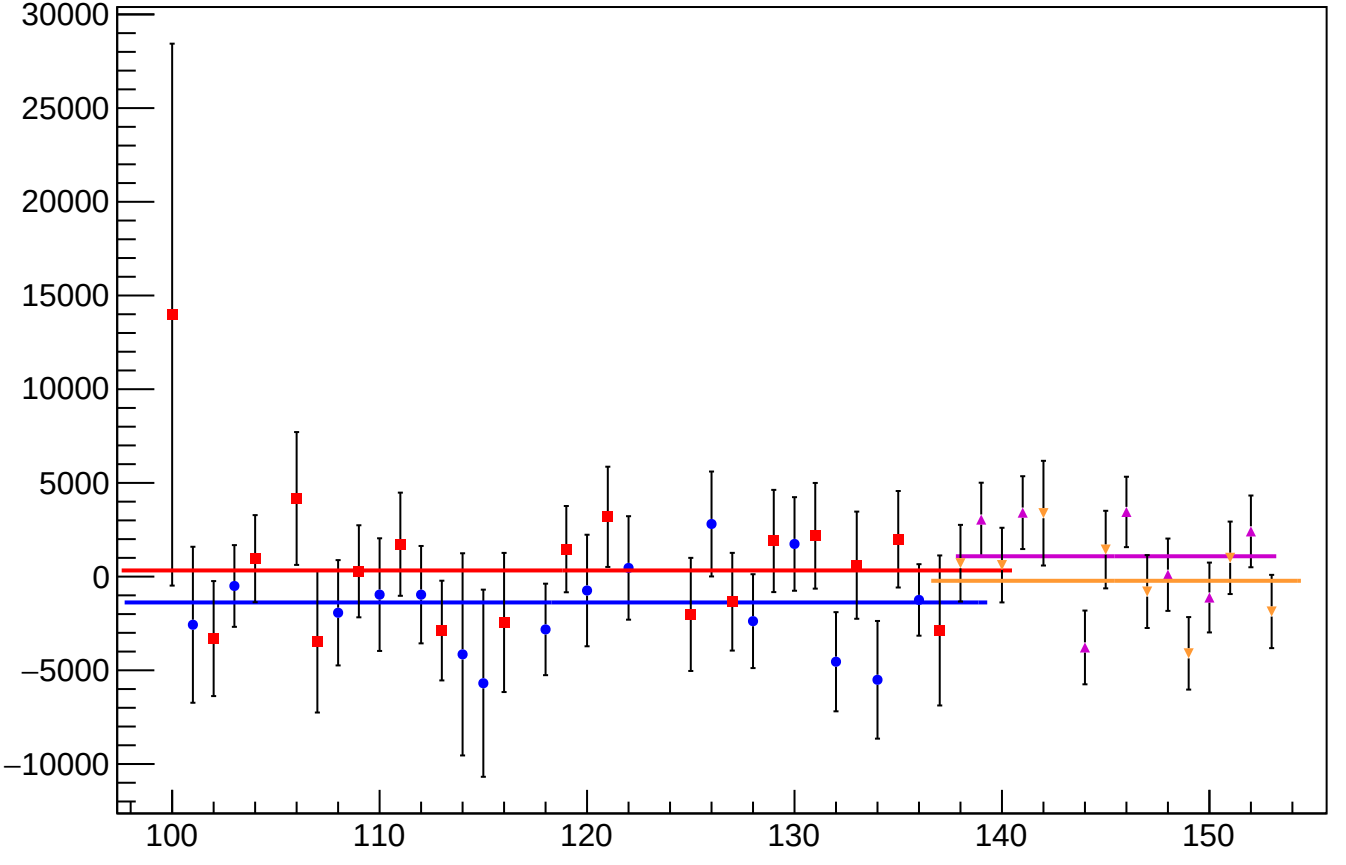
Left In: 0.000+/-0.000 χ^2/NDF:1087979.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 6775142.4/23

All: 0.000+/-0.000 χ^2/NDF: 12653664.4/48

- sign 0.000+/-0.000 χ^2/NDF: 5875391.4/24

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -223.392+/-722.869 χ^2/NDF:7.9/7

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

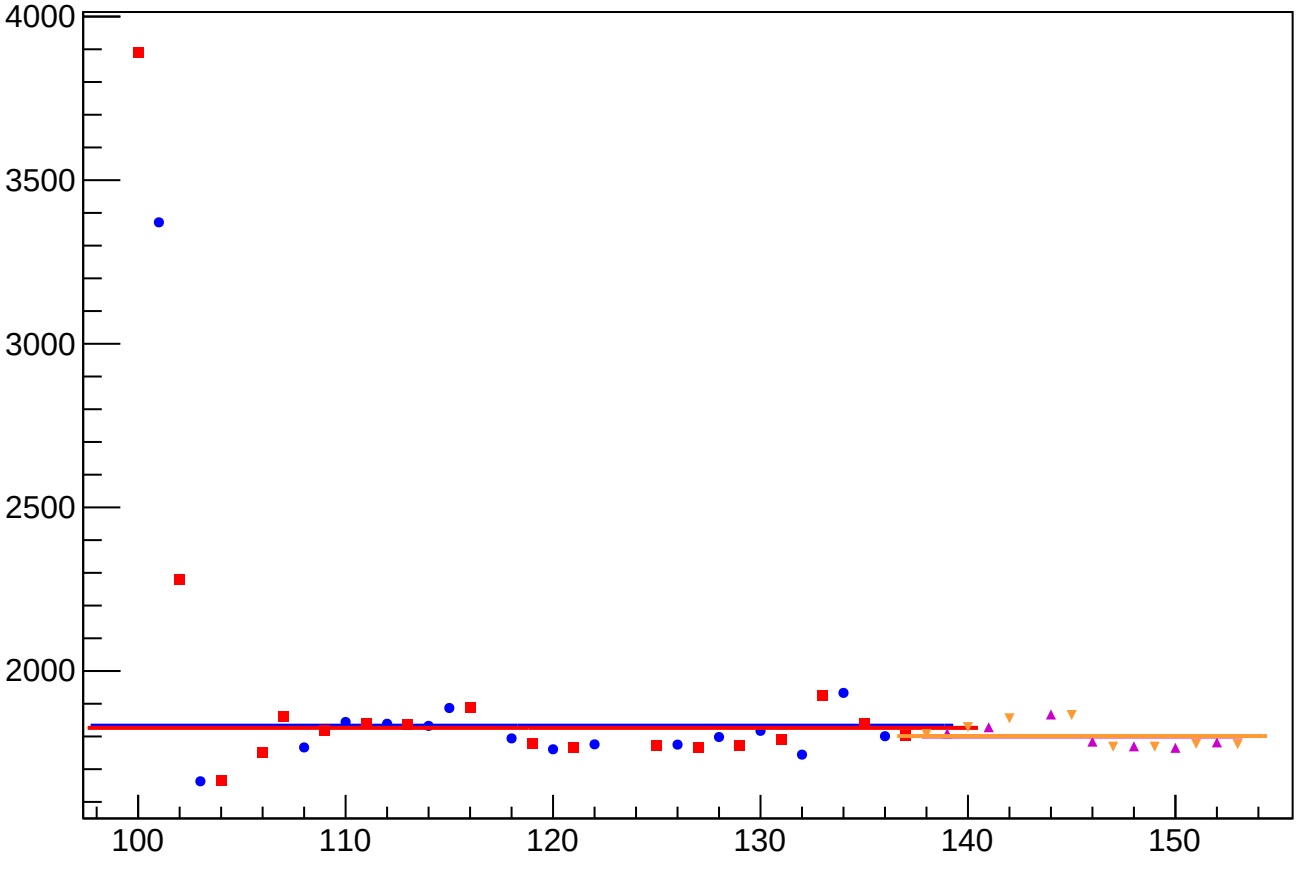
Left In: 1085.682+/-726.581 χ^2/NDF:12.3/6

+ sign -828.750+/-498.752 χ^2/NDF: 18.5/23

All: -71.053+/-352.401 χ^2/NDF: 47.0/48

- sign 684.336+/-497.991 χ^2/NDF: 23.9/24

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1801.263+/-0.511 χ^2/NDF:4823.8/7

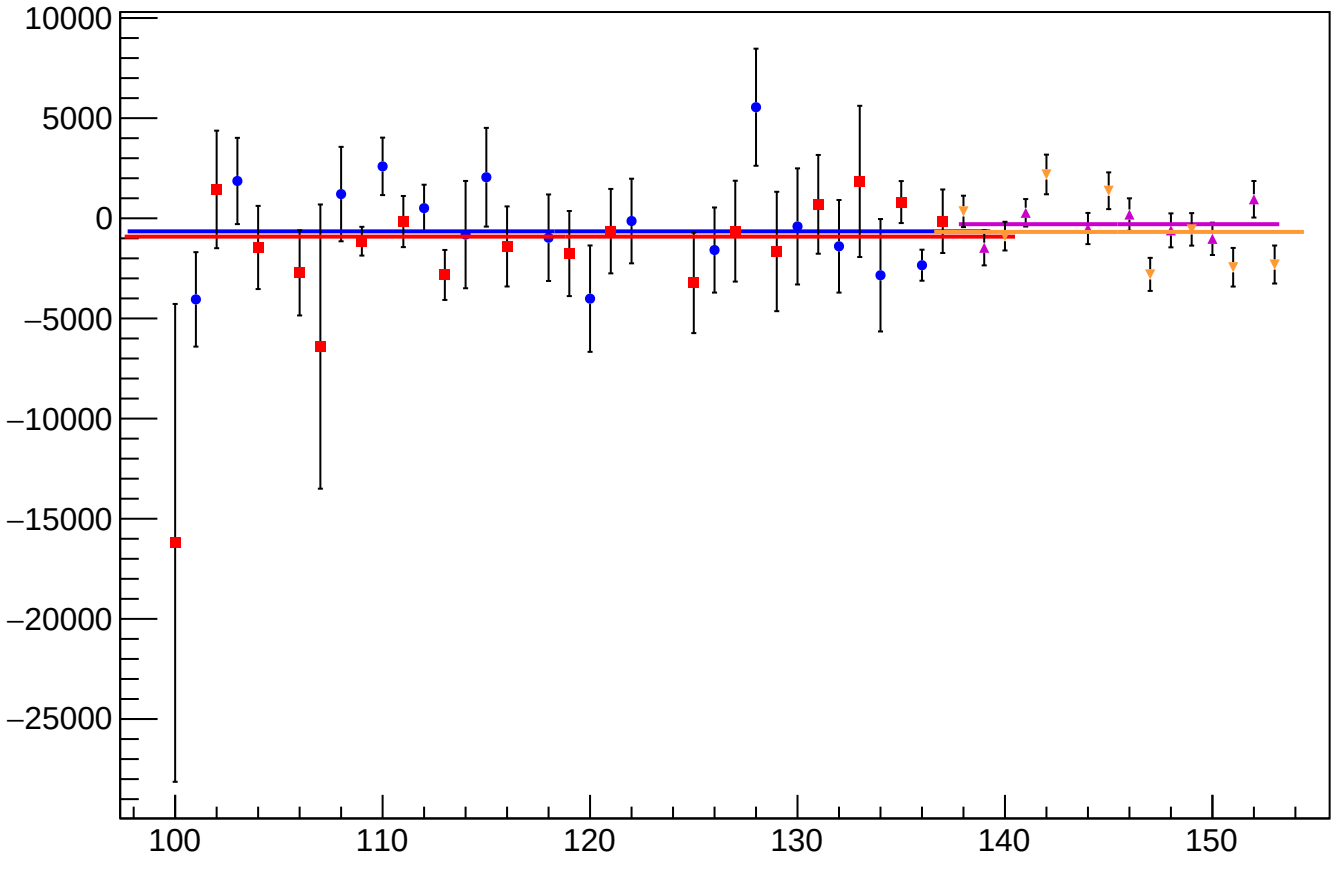
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1799.992+/-0.514 χ^2/NDF:4299.5/6

+ sign 1817.864+/-0.353 χ^2/NDF: 302276.4/23

All: 1815.875+/-0.249 χ^2/NDF: 411026.5/48

- sign 1813.893+/-0.352 χ^2/NDF: 108686.7/24



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -679.872+/-302.060 χ^2/NDF:28.1/7

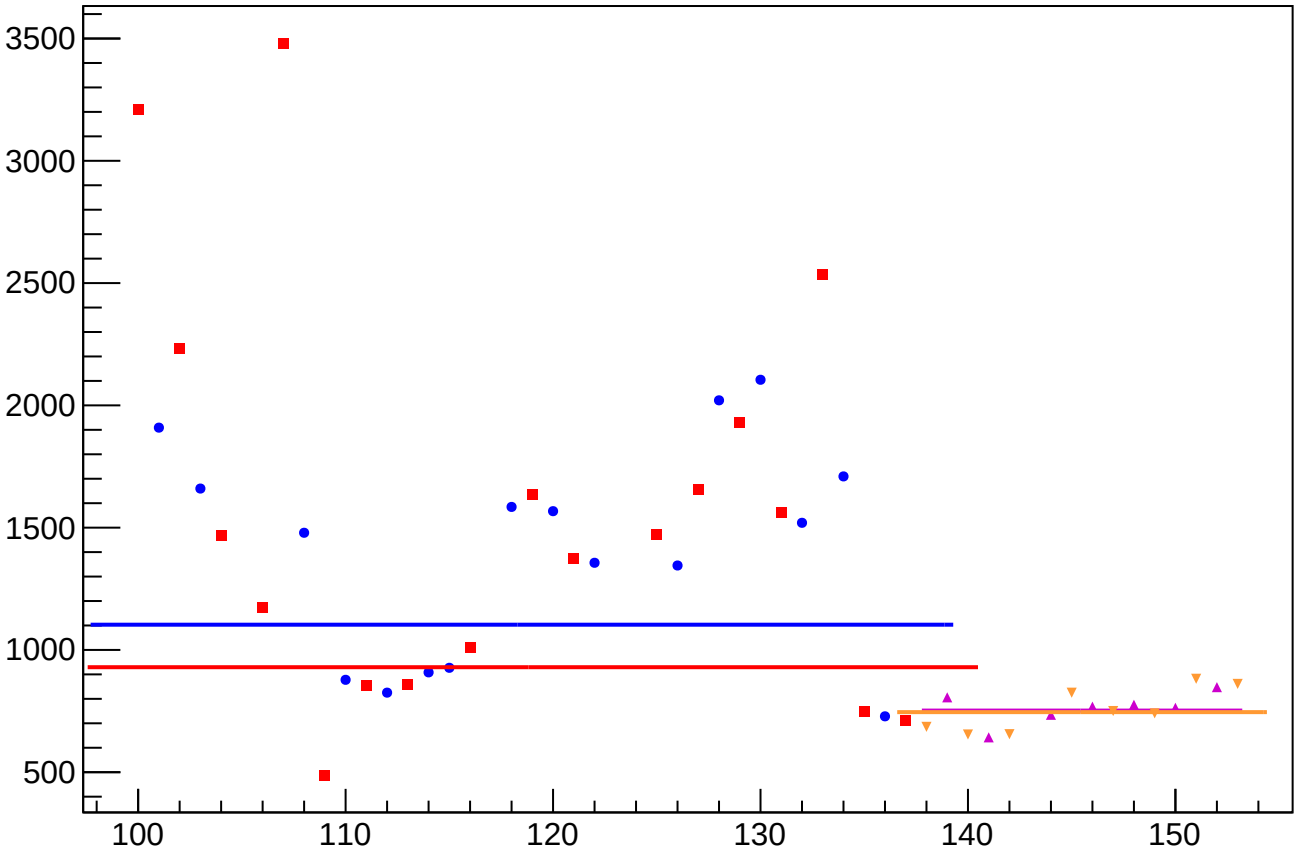
Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: -293.434+/-305.464 χ^2/NDF:5.7/6

+ sign -670.985+/-249.411 χ^2/NDF: 51.3/23

All: -596.660+/-173.413 χ^2/NDF: 70.3/48

- sign -527.104+/-241.276 χ^2/NDF: 18.8/24



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 745.677+/-0.214 χ^2/NDF:145690.1/7

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

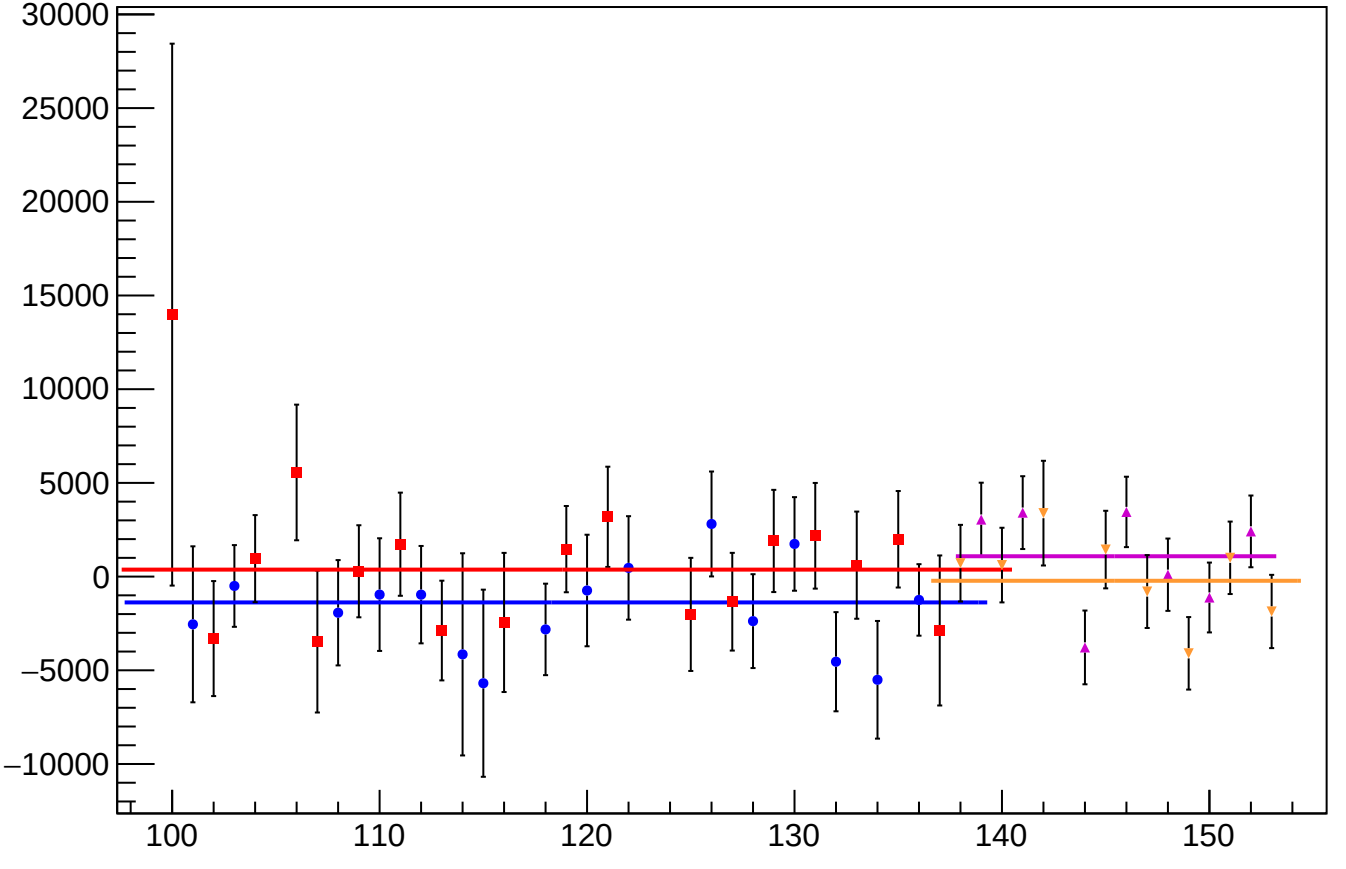
Left In: 752.019+/-0.216 χ^2/NDF:84304.6/6

+ sign 859.442+/-0.176 χ^2/NDF: 2915390.6/23

All: 838.404+/-0.123 χ^2/NDF: 6334861.1/48

- sign 818.717+/-0.171 χ^2/NDF: 3391925.0/24

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -223.339+/-722.869 χ^2/NDF:7.9/7

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

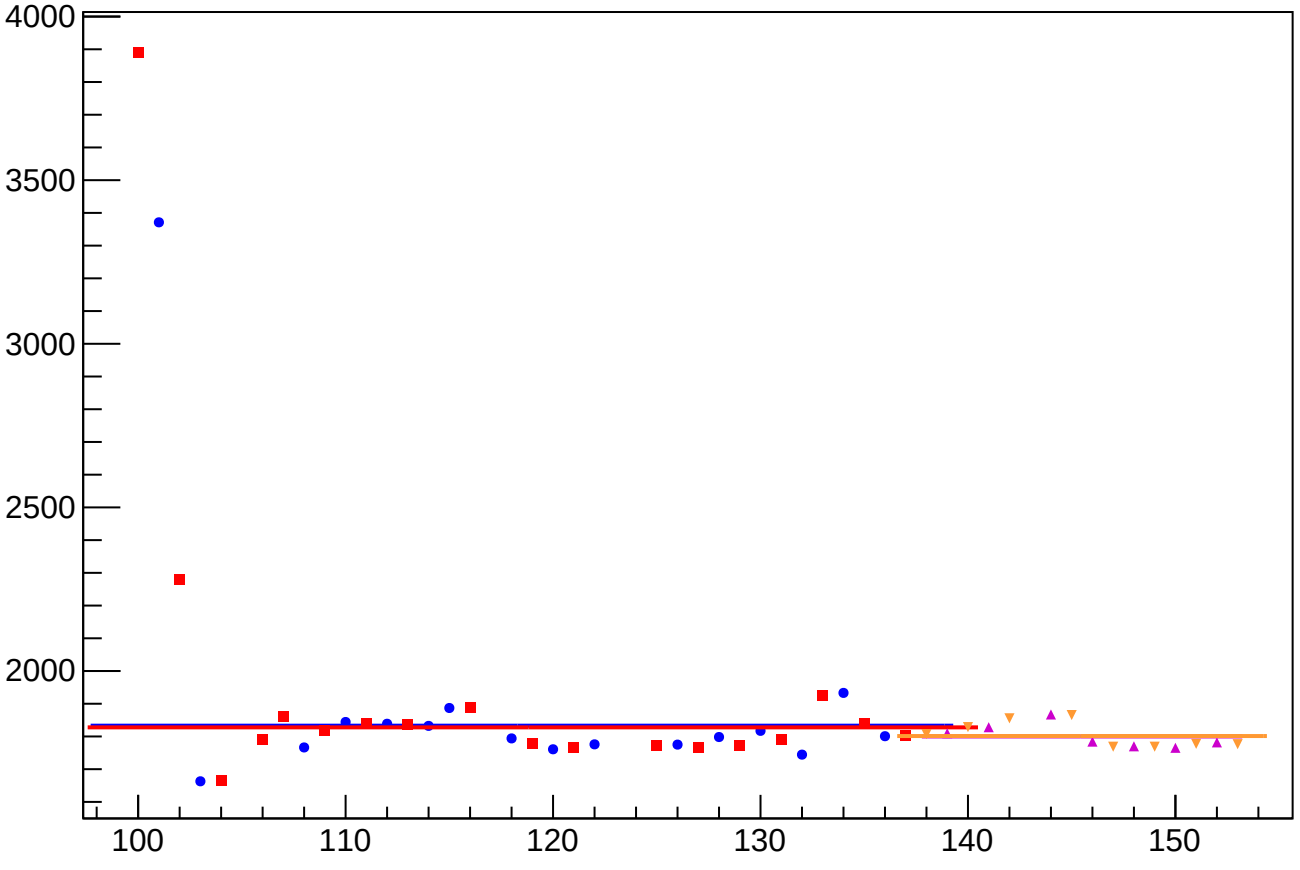
Left In: 1085.693+/-726.581 χ^2/NDF:12.3/6

+ sign -828.397+/-498.752 χ^2/NDF: 18.5/23

All: -59.428+/-352.473 χ^2/NDF: 48.0/48

- sign 707.817+/-498.192 χ^2/NDF: 24.7/24

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1801.263+/-0.511 χ^2/NDF:4823.8/7

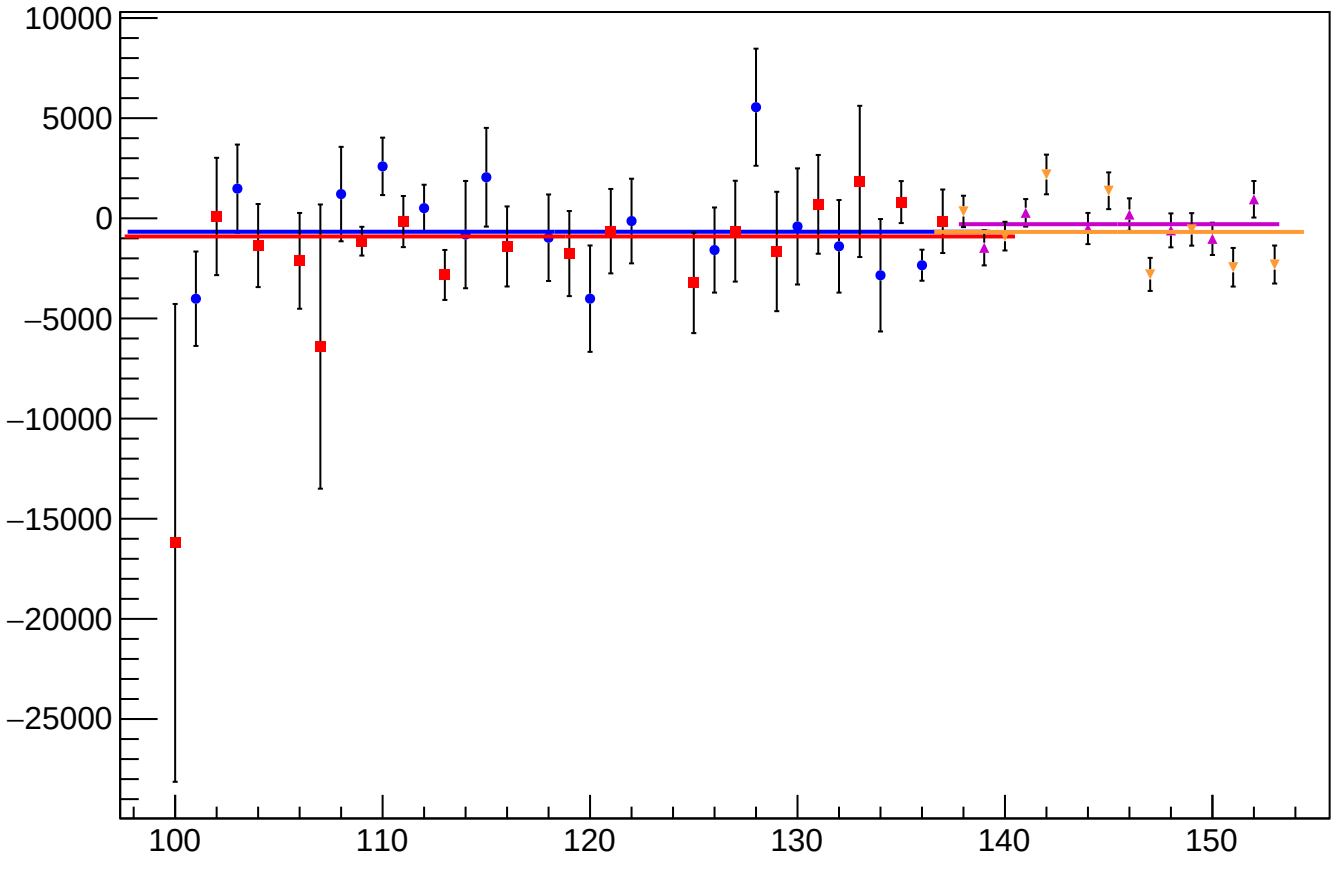
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1799.992+/-0.514 χ^2/NDF:4299.5/6

+ sign 1817.864+/-0.353 χ^2/NDF: 302278.2/23

All: 1816.289+/-0.249 χ^2/NDF: 410438.4/48

- sign 1814.718+/-0.352 χ^2/NDF: 108120.4/24



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -679.912+/-302.062 χ^2/NDF:28.1/7

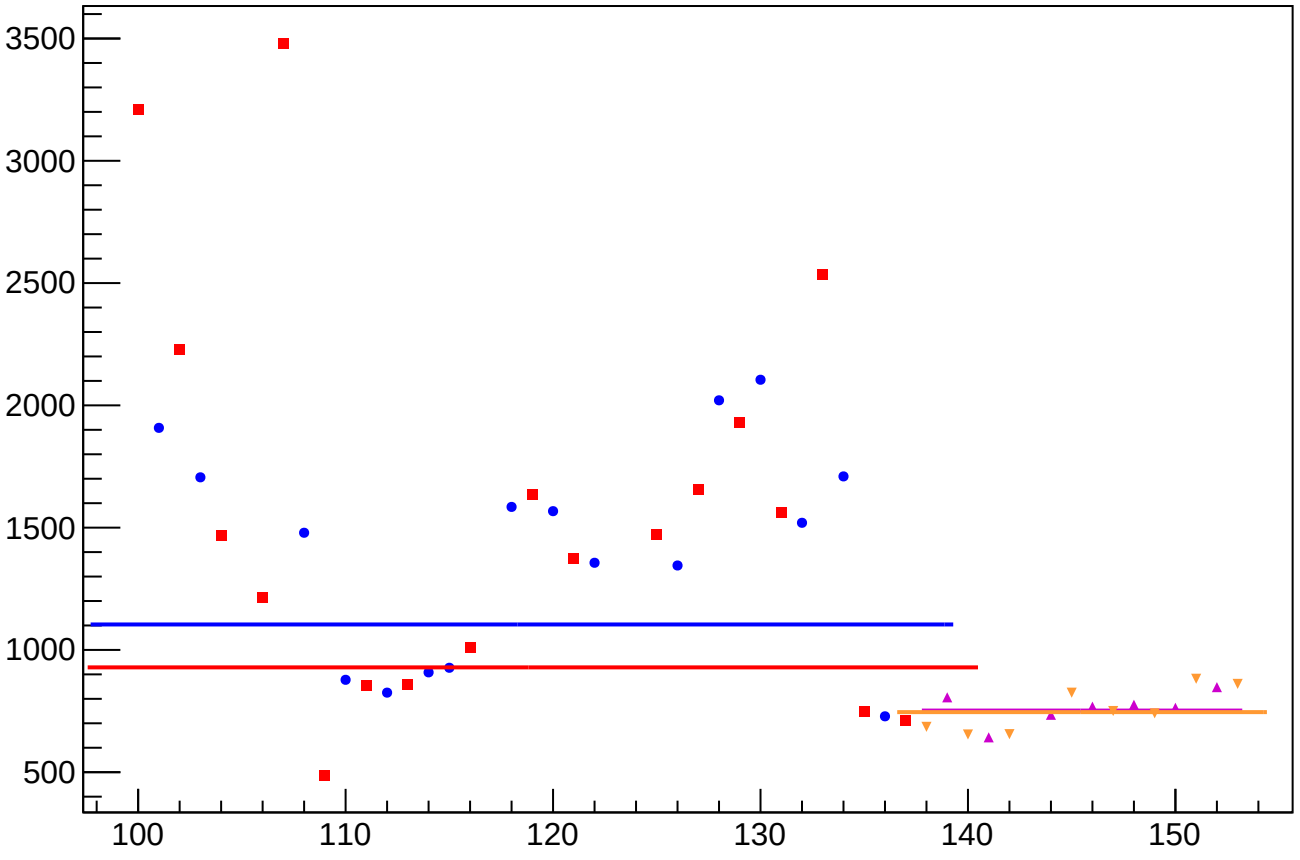
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -293.344+/-305.464 χ^2/NDF:5.7/6

+ sign -676.933+/-249.479 χ^2/NDF: 50.9/23

All: -597.345+/-173.554 χ^2/NDF: 68.8/48

- sign -522.707+/-241.597 χ^2/NDF: 17.7/24



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 745.684+/-0.214 χ^2/NDF:145669.8/7

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

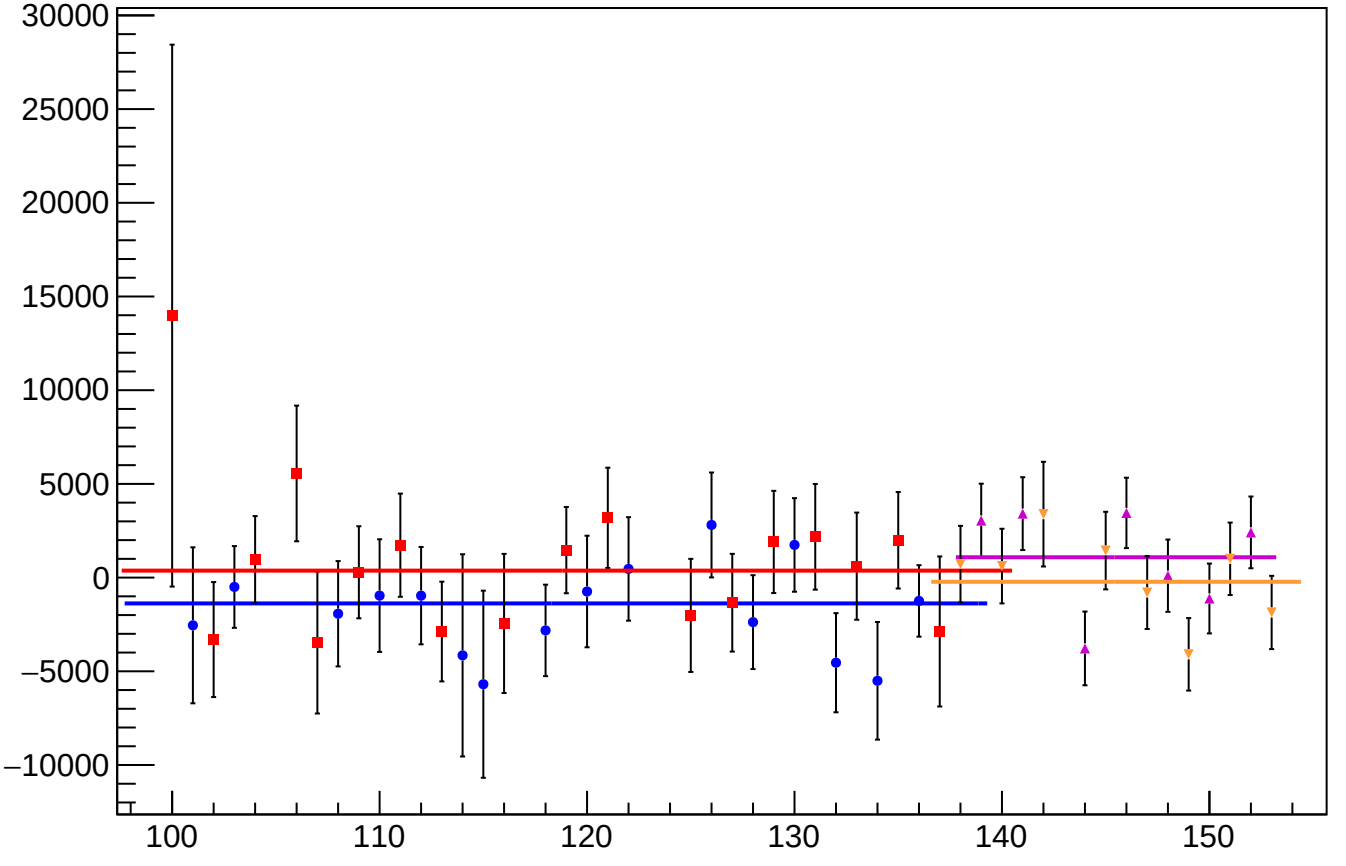
Left In: 752.019+/-0.216 χ^2/NDF:84328.8/6

+ sign 859.610+/-0.176 χ^2/NDF: 2935207.4/23

All: 838.215+/-0.123 χ^2/NDF: 6352764.3/48

- sign 818.151+/-0.171 χ^2/NDF: 3389053.8/24

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -223.339+/-722.869 χ^2/NDF:7.9/7

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

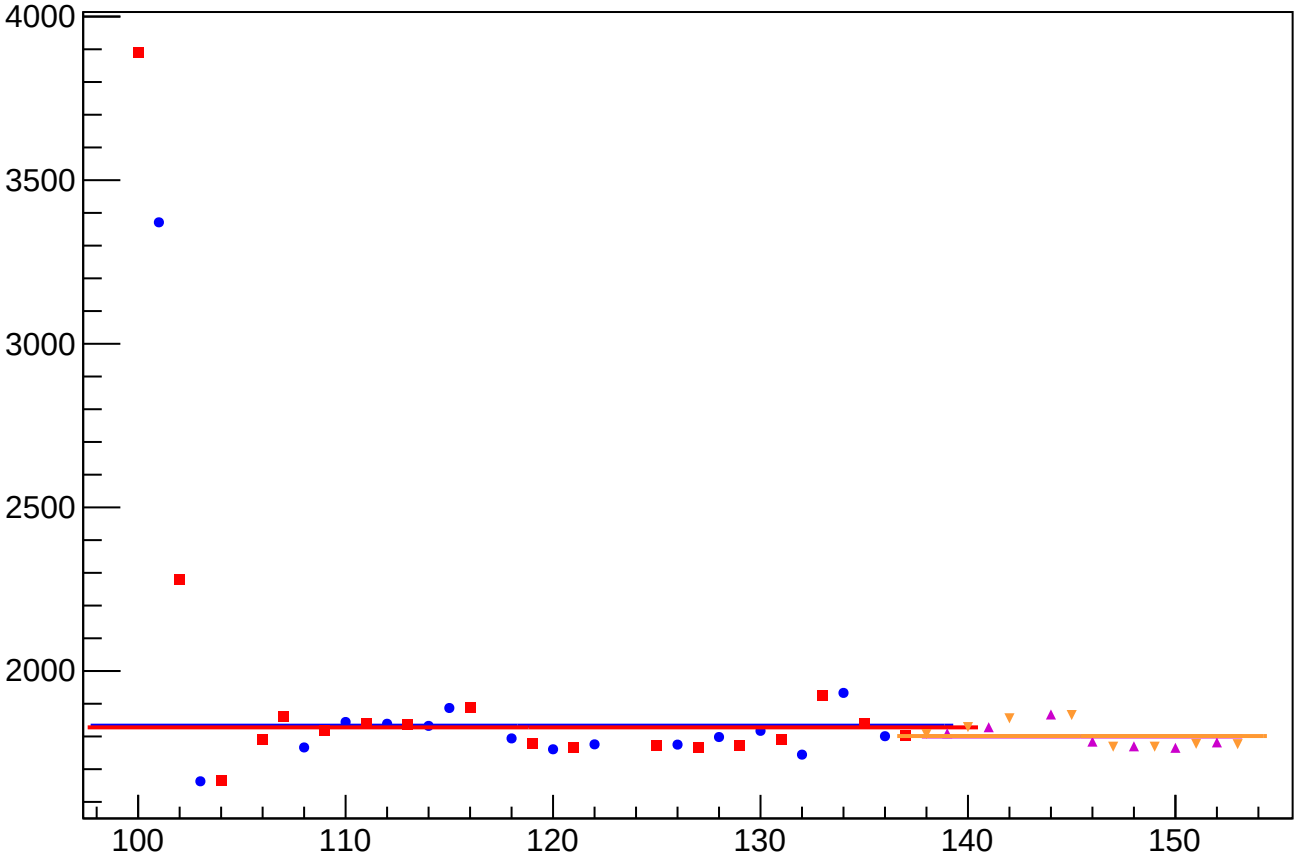
Left In: 1085.693+/-726.581 χ^2/NDF:12.3/6

+ sign -828.397+/-498.752 χ^2/NDF: 18.5/23

All: -59.428+/-352.473 χ^2/NDF: 48.0/48

- sign 707.817+/-498.192 χ^2/NDF: 24.7/24

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1801.263+/-0.511 χ^2/NDF:4823.8/7

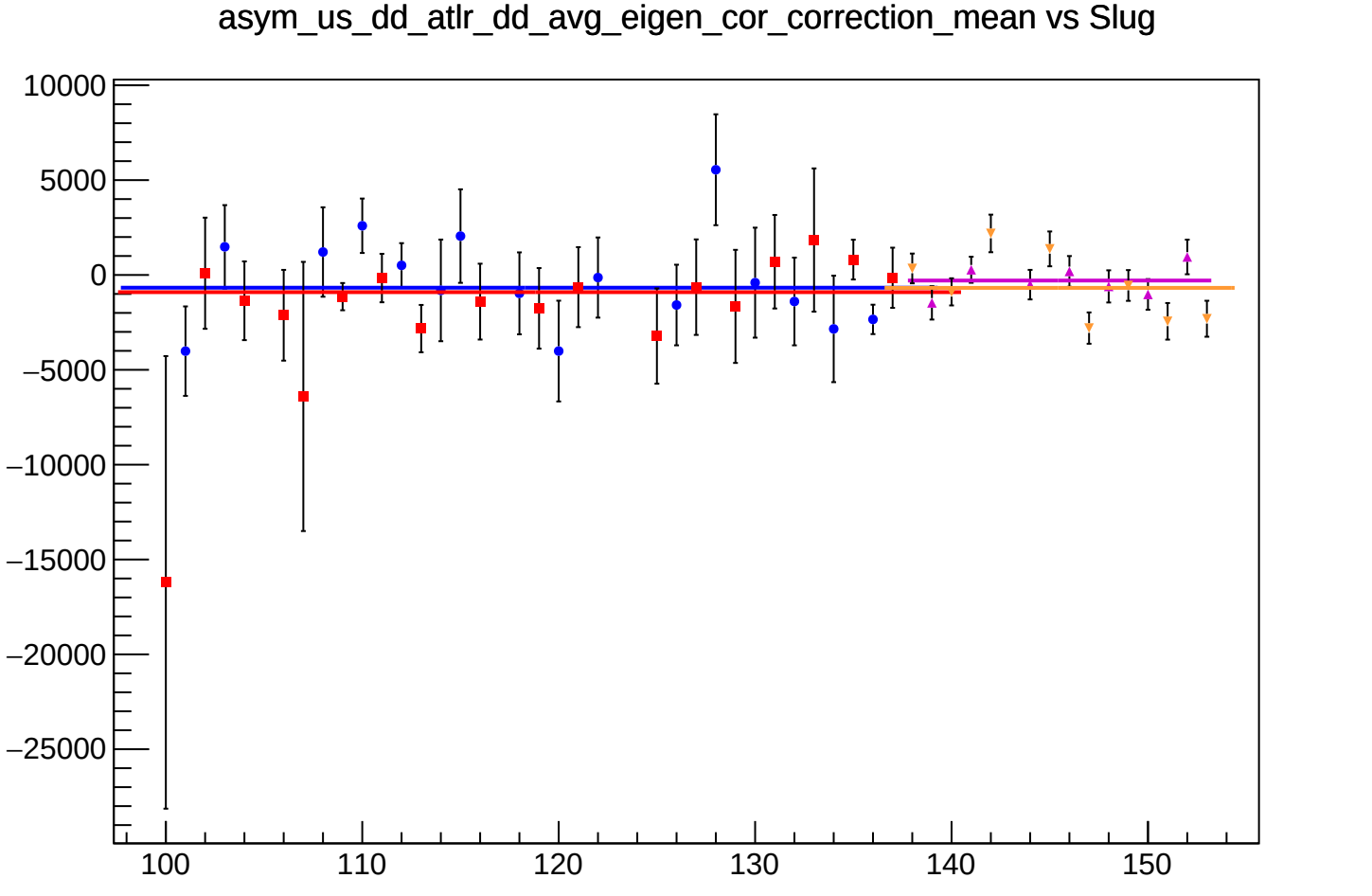
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1799.992+/-0.514 χ^2/NDF:4299.5/6

+ sign 1817.864+/-0.353 χ^2/NDF: 302278.2/23

All: 1816.289+/-0.249 χ^2/NDF: 410438.4/48

- sign 1814.718+/-0.352 χ^2/NDF: 108120.4/24



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -679.912+/-302.062 χ^2/NDF:28.1/7

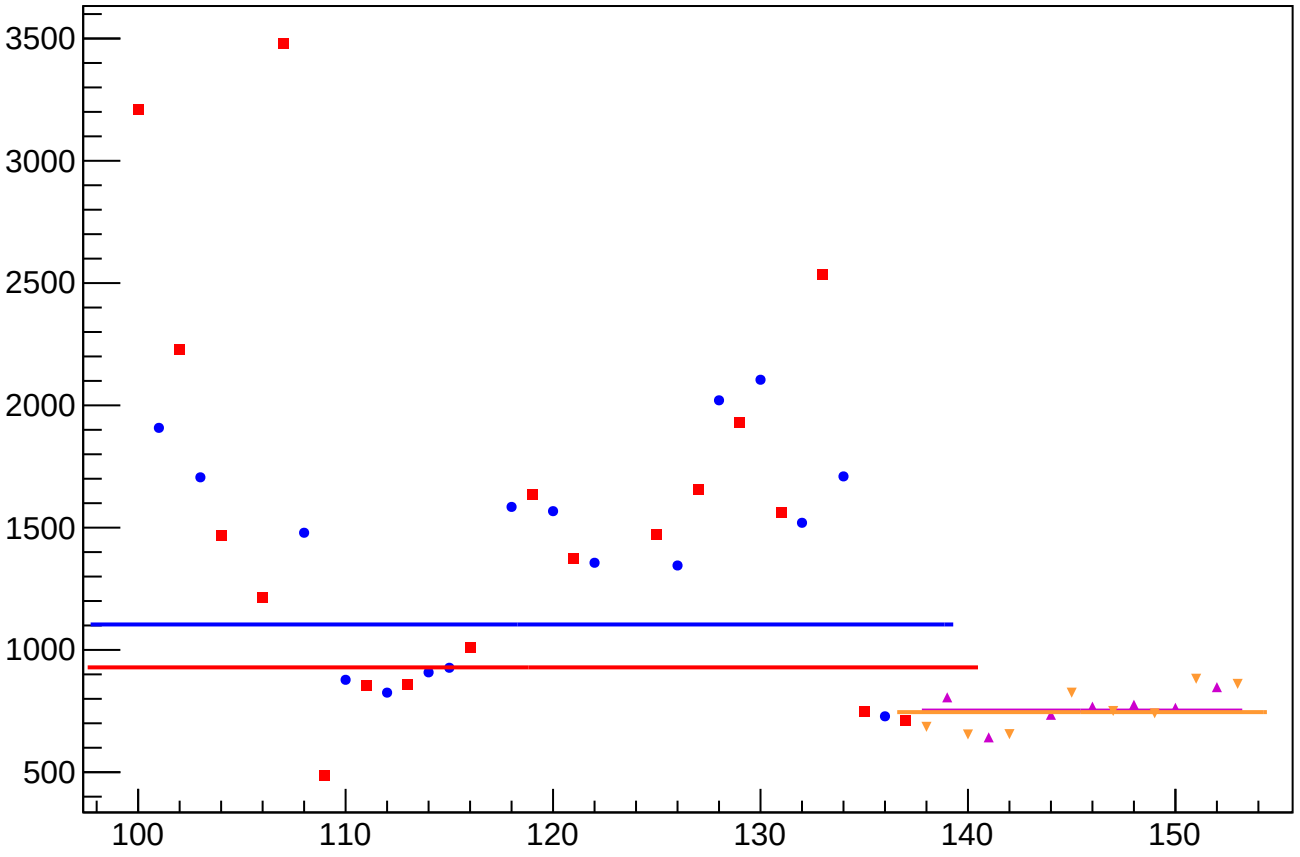
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -293.344+/-305.464 χ^2/NDF:5.7/6

+ sign -676.933+/-249.479 χ^2/NDF: 50.9/23

All: -597.345+/-173.554 χ^2/NDF: 68.8/48

- sign -522.707+/-241.597 χ^2/NDF: 17.7/24



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 745.684+/-0.214 χ^2/NDF:145669.8/7

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

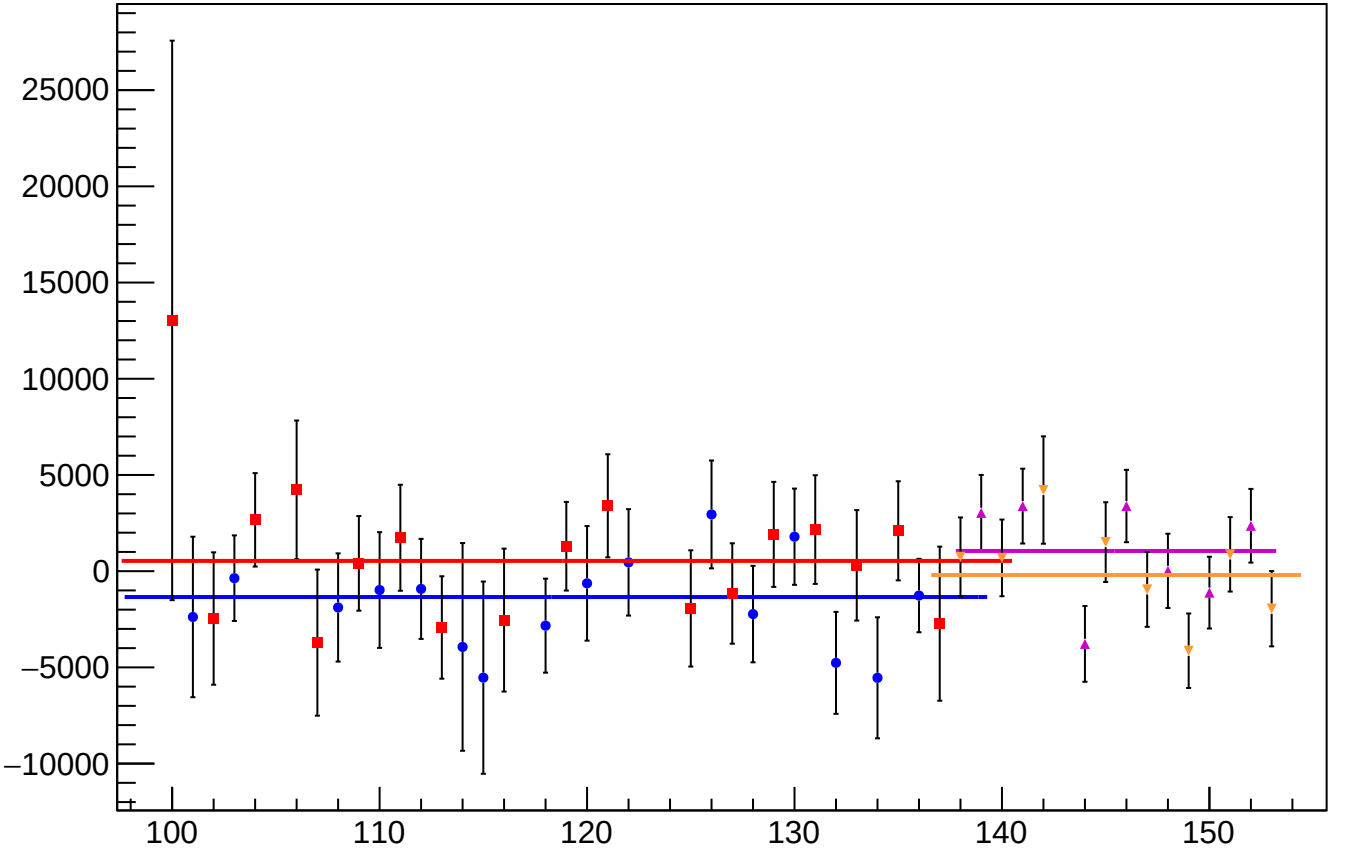
Left In: 752.019+/-0.216 χ^2/NDF:84328.8/6

+ sign 859.610+/-0.176 χ^2/NDF: 2935207.4/23

All: 838.215+/-0.123 χ^2/NDF: 6352764.3/48

- sign 818.151+/-0.171 χ^2/NDF: 3389053.8/24

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -201.138+/-723.271 χ^2/NDF:9.0/7

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

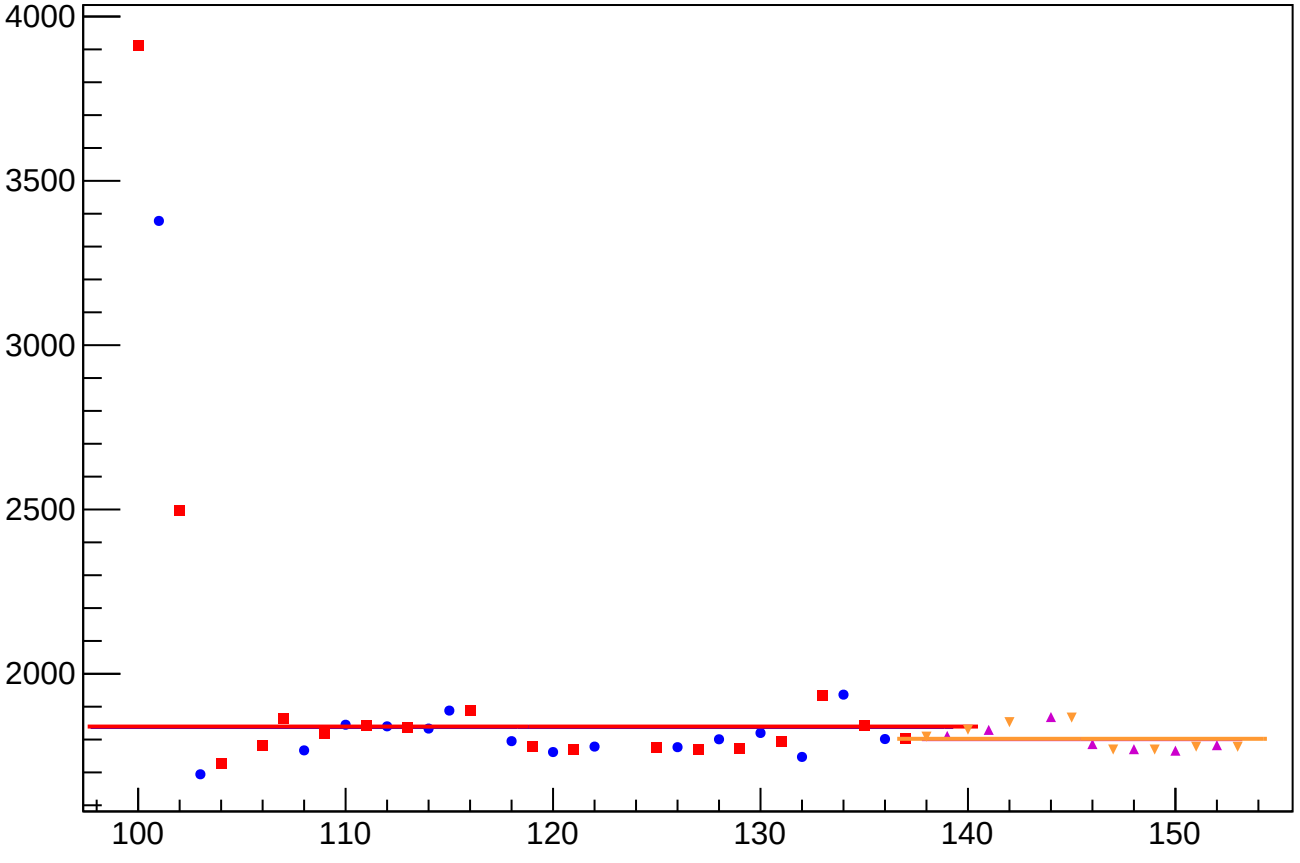
Left In: 1049.971+/-727.066 χ^2/NDF:12.1/6

+ sign -798.658+/-499.607 χ^2/NDF: 19.9/23

All: -11.830+/-353.719 χ^2/NDF: 48.4/48

- sign 778.962+/-500.865 χ^2/NDF: 23.5/24

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1802.247+/-0.511 χ^2/NDF:4751.3/7

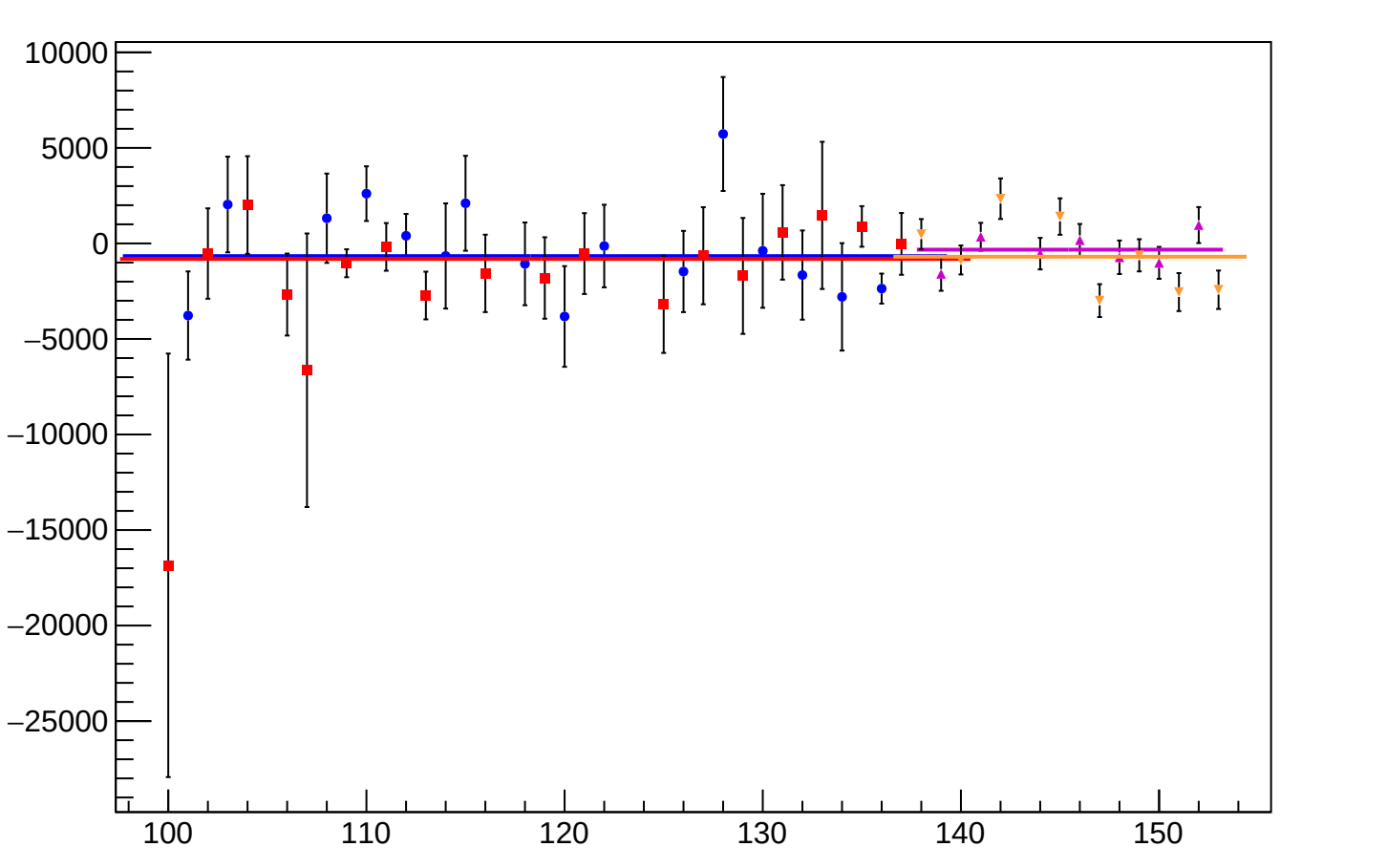
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1801.190+/-0.514 χ^2/NDF:4321.6/6

+ sign 1821.024+/-0.353 χ^2/NDF: 299313.4/23

All: 1821.176+/-0.250 χ^2/NDF: 434809.1/48

- sign 1821.329+/-0.354 χ^2/NDF: 135495.4/24



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -695.400+/-314.972 χ^2/NDF:28.9/7

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

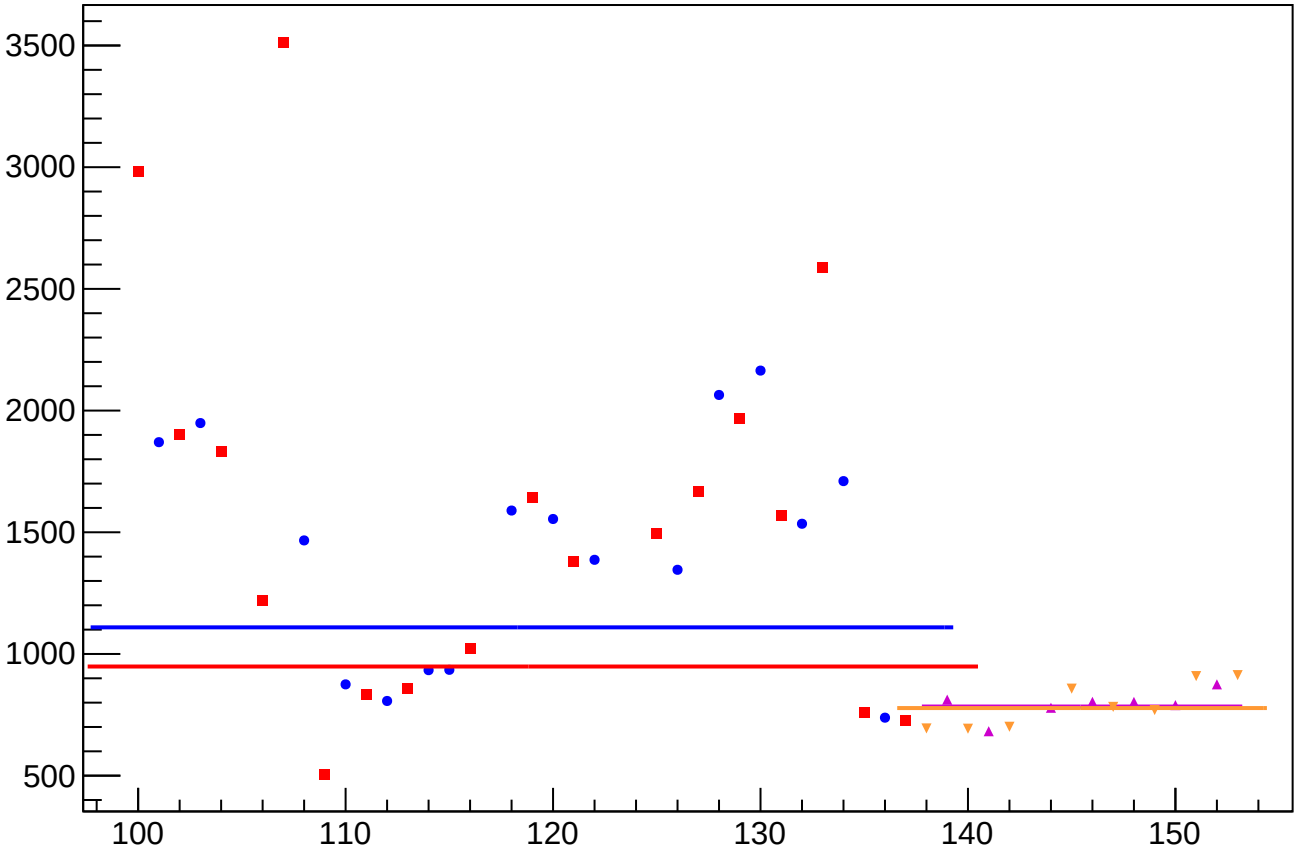
Left In: -326.872+/-318.092 χ^2/NDF:6.1/6

+ sign -684.778+/-257.263 χ^2/NDF: 51.6/23

All: -597.657+/-178.653 χ^2/NDF: 71.1/48

- sign -516.512+/-248.284 χ^2/NDF: 19.2/24

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 777.759+/-0.223 χ^2/NDF:143167.6/7

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

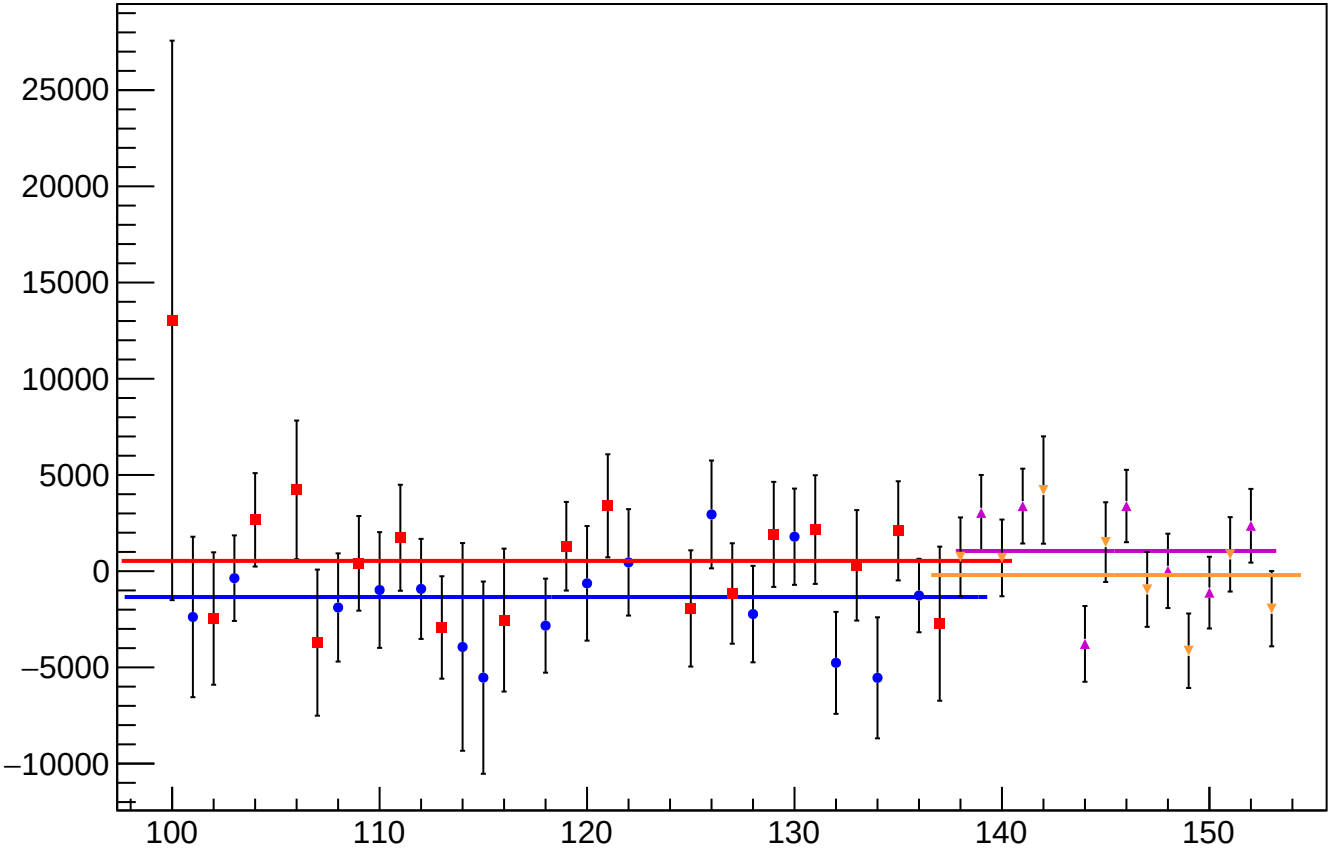
Left In: 784.075+/-0.225 χ^2/NDF:61809.9/6

+ sign 888.139+/-0.182 χ^2/NDF: 2854429.4/23

All: 867.513+/-0.126 χ^2/NDF: 6203399.9/48

- sign 848.301+/-0.176 χ^2/NDF: 3324139.5/24

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -201.137+/-723.271 χ^2/NDF:9.0/7

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

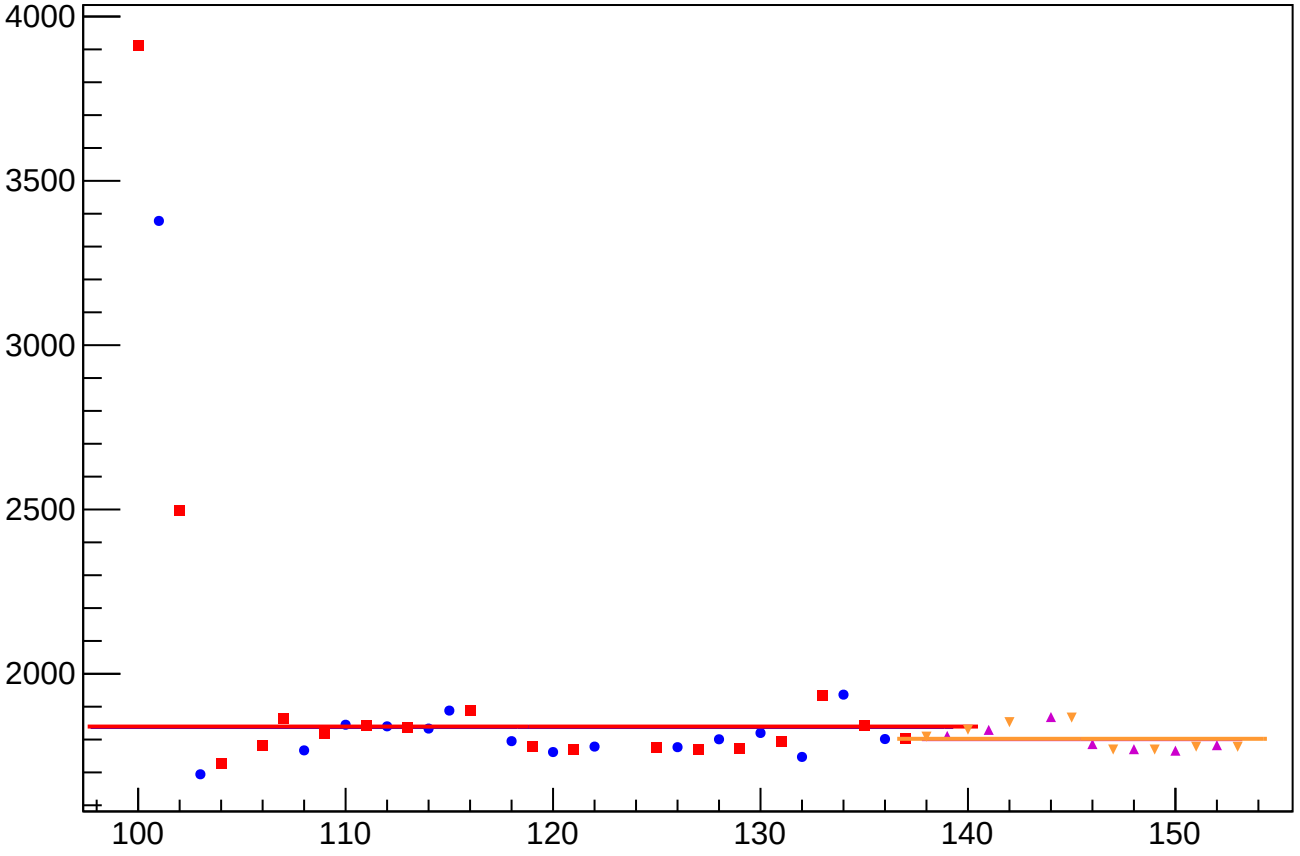
Left In: 1049.967+/-727.066 χ^2/NDF:12.1/6

+ sign -798.659+/-499.607 χ^2/NDF: 19.9/23

All: -11.830+/-353.719 χ^2/NDF: 48.4/48

- sign 778.963+/-500.865 χ^2/NDF: 23.5/24

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1802.247+/-0.511 χ^2/NDF:4751.3/7

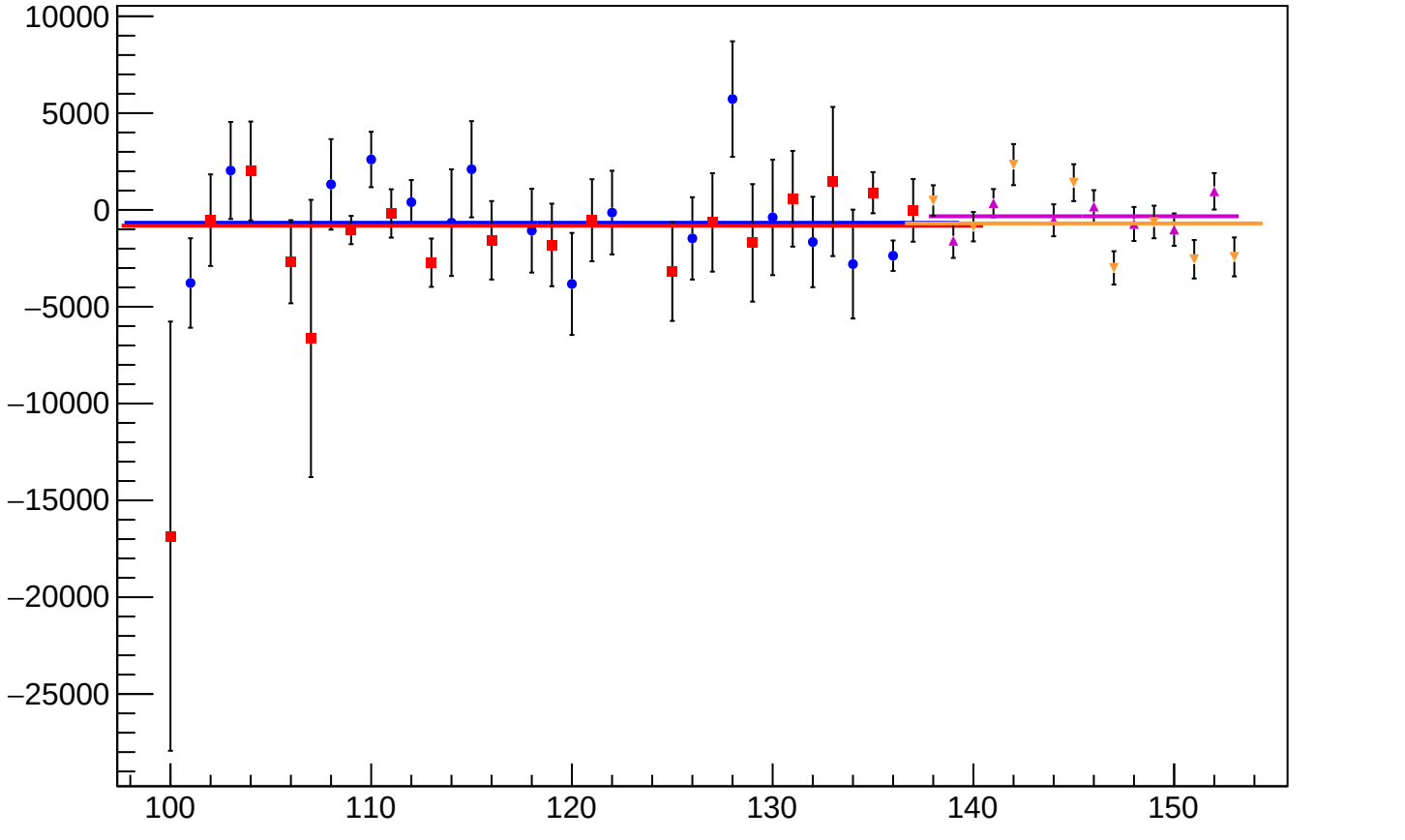
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1801.190+/-0.514 χ^2/NDF:4321.6/6

+ sign 1821.024+/-0.353 χ^2/NDF: 299313.3/23

All: 1821.176+/-0.250 χ^2/NDF: 434809.2/48

- sign 1821.329+/-0.354 χ^2/NDF: 135495.5/24



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -695.408+/-314.974 χ^2/NDF:28.9/7

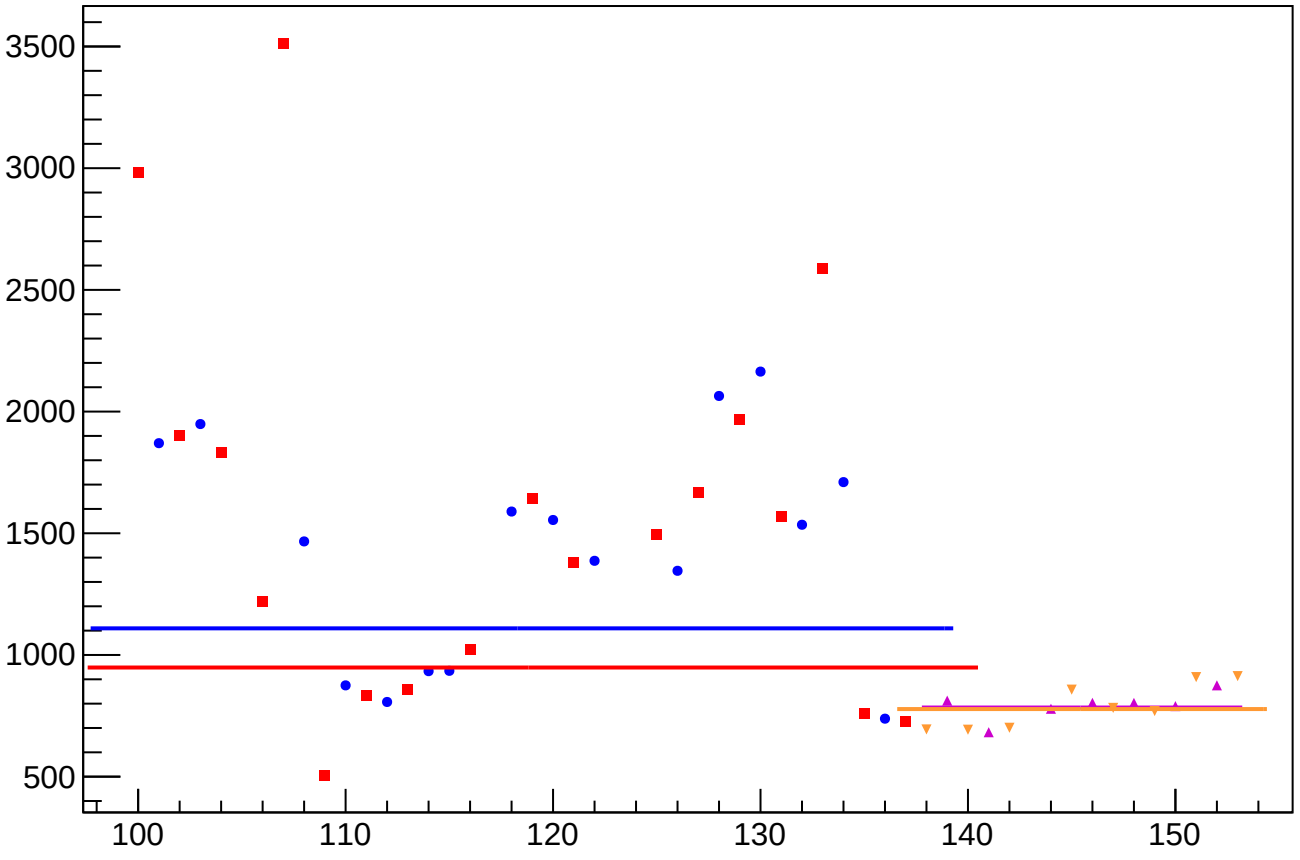
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -326.870+/-318.093 χ^2/NDF:6.1/6

+ sign -684.779+/-257.264 χ^2/NDF: 51.6/23

All: -597.658+/-178.654 χ^2/NDF: 71.1/48

- sign -516.514+/-248.284 χ^2/NDF: 19.2/24



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 777.762+/-0.223 χ^2/NDF:143155.6/7

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

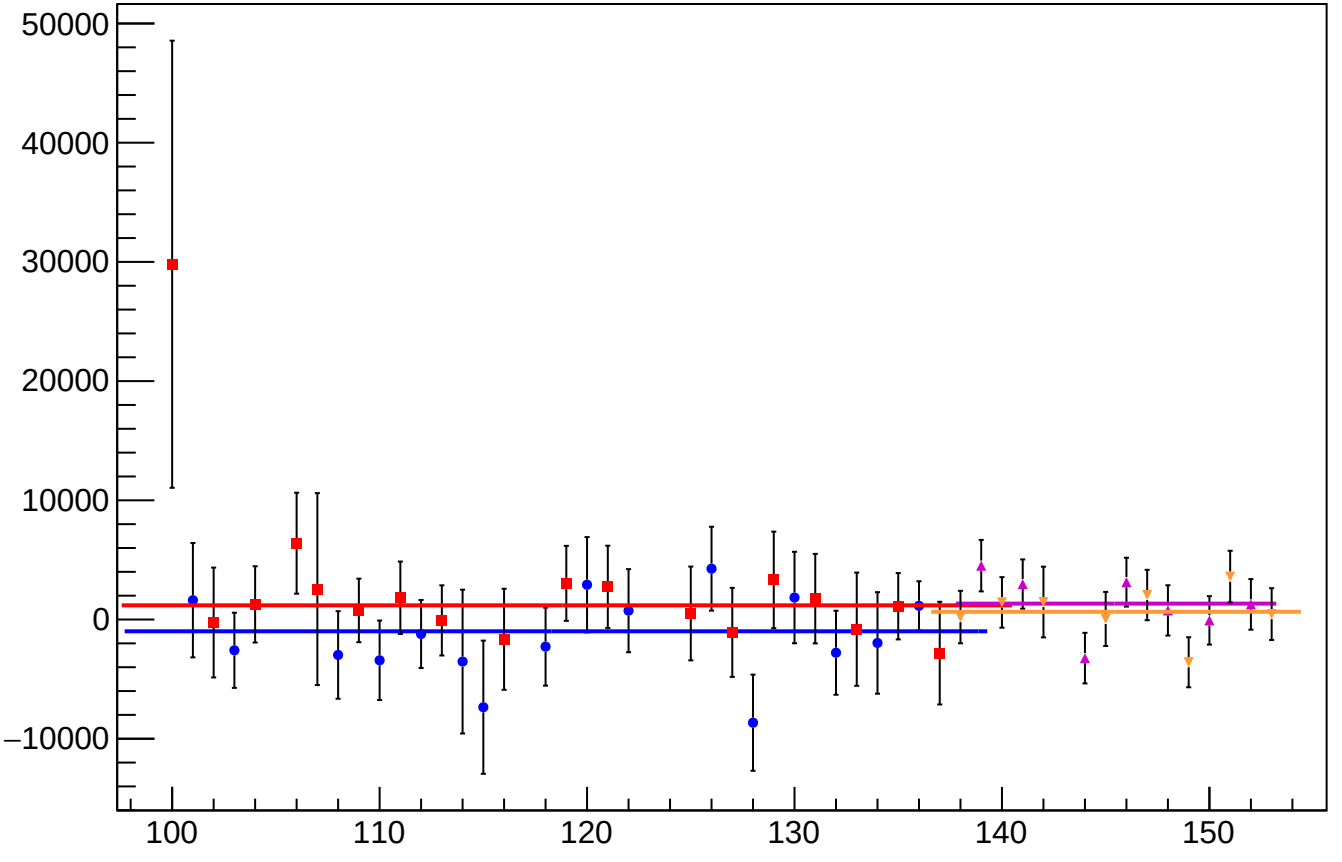
Left In: 784.077+/-0.225 χ^2/NDF:61809.9/6

+ sign 888.143+/-0.182 χ^2/NDF: 2854371.7/23

All: 867.516+/-0.126 χ^2/NDF: 6203321.2/48

- sign 848.303+/-0.176 χ^2/NDF: 3324116.0/24

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 648.913+/-787.642 χ^2/NDF:6.7/7

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

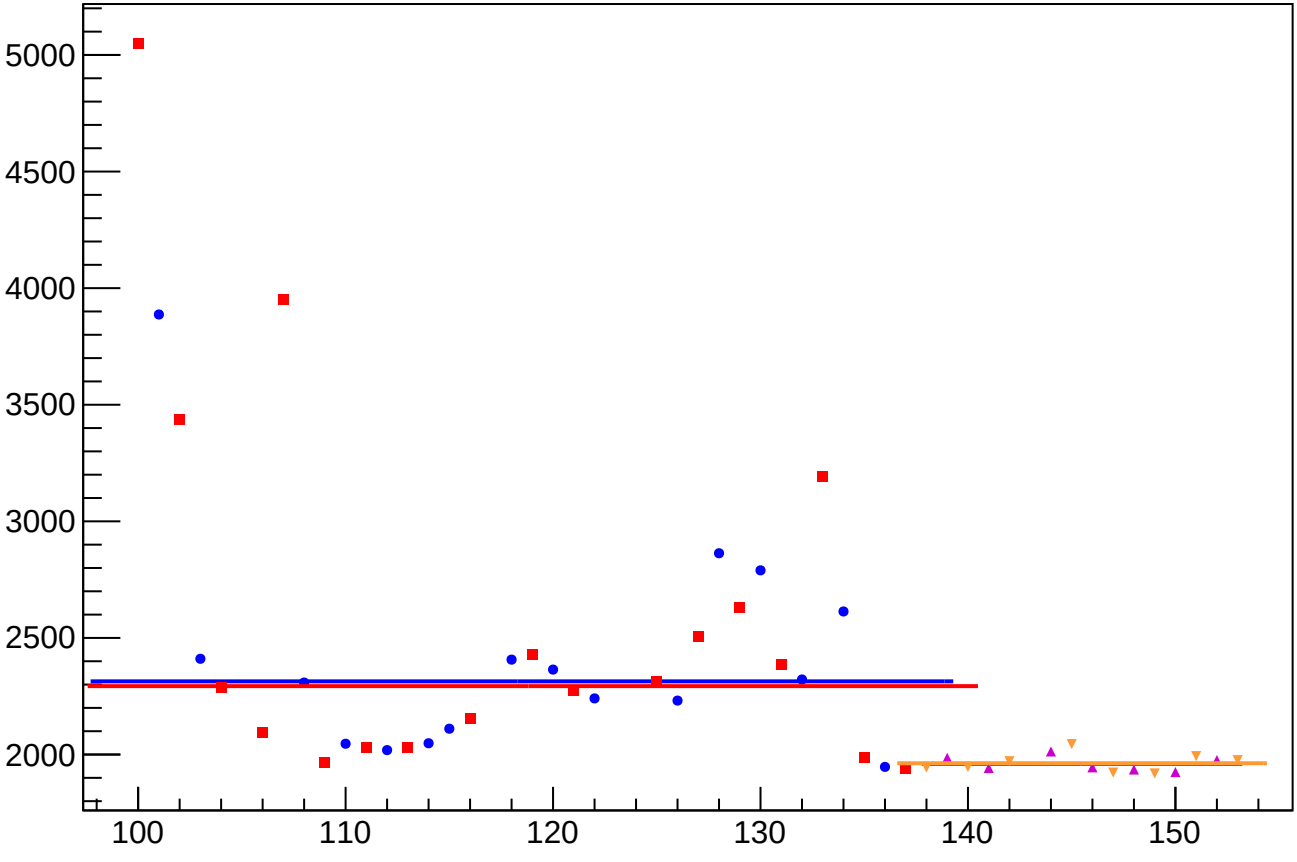
Left In: 1334.595+/-791.001 χ^2/NDF:8.8/6

+ sign -84.639+/-585.055 χ^2/NDF: 20.6/23

All: 592.376+/-413.816 χ^2/NDF: 39.1/48

- sign 1270.177+/-585.394 χ^2/NDF: 15.8/24

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1962.550+/-0.557 χ^2/NDF:4951.5/7

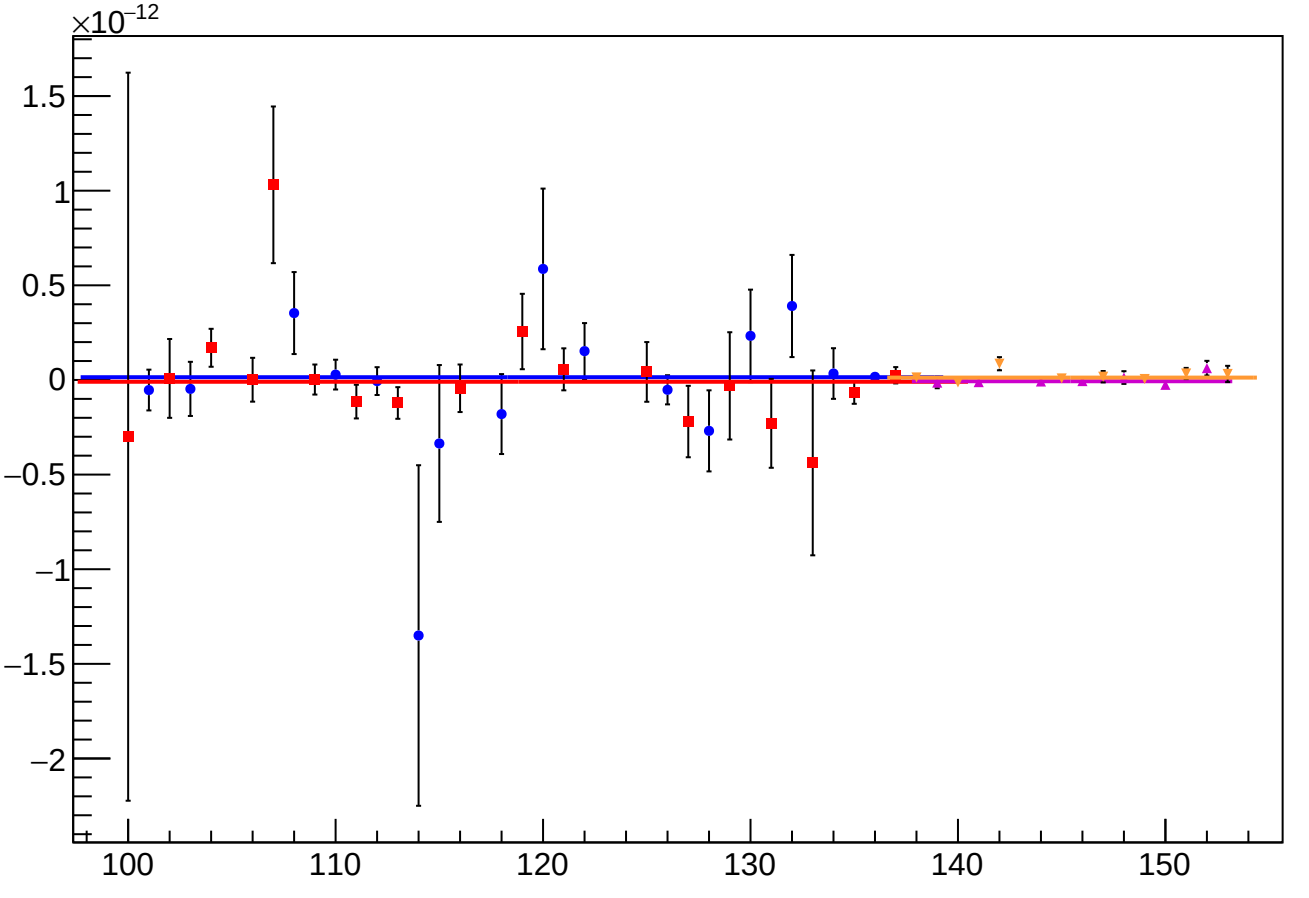
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1959.564+/-0.559 χ^2/NDF:2777.0/6

+ sign 2119.975+/-0.414 χ^2/NDF: 585941.4/23

All: 2115.241+/-0.293 χ^2/NDF: 1203189.7/48

- sign 2110.502+/-0.414 χ^2/NDF: 616986.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.4/7

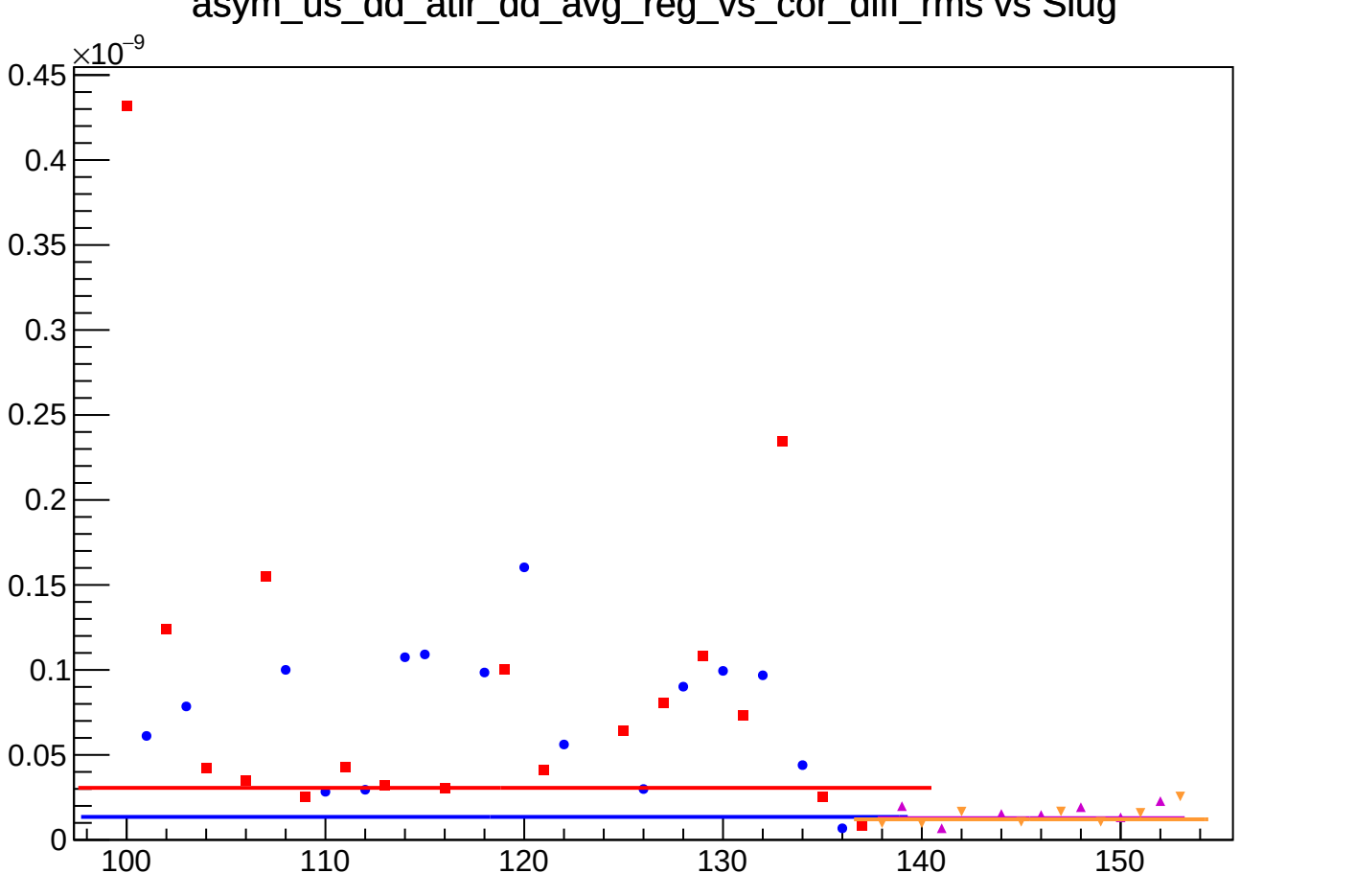
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

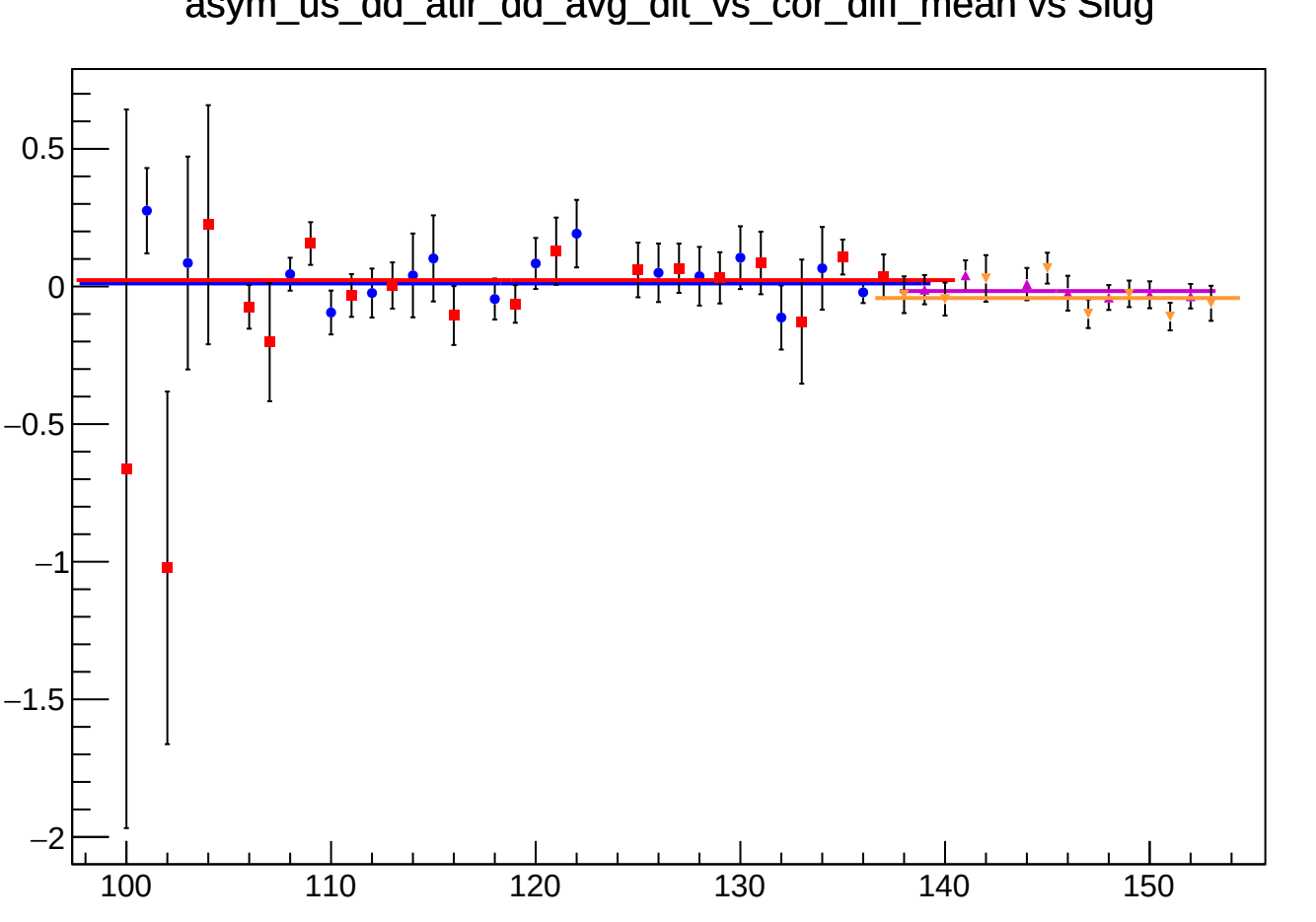
Left In: -0.000+/-0.000 χ^2/NDF:4.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 22.4/23

All: 0.000+/-0.000 χ^2/NDF: 49.5/48

- sign -0.000+/-0.000 χ^2/NDF: 23.8/24


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:393413.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:695692.0/6
+ sign 0.000+/-0.000 χ²/NDF: 3824629.8/23
All: 0.000+/-0.000 χ²/NDF: 7928892.9/48
- sign 0.000+/-0.000 χ²/NDF: 4004779.2/24



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.020 χ^2/NDF:7.7/7

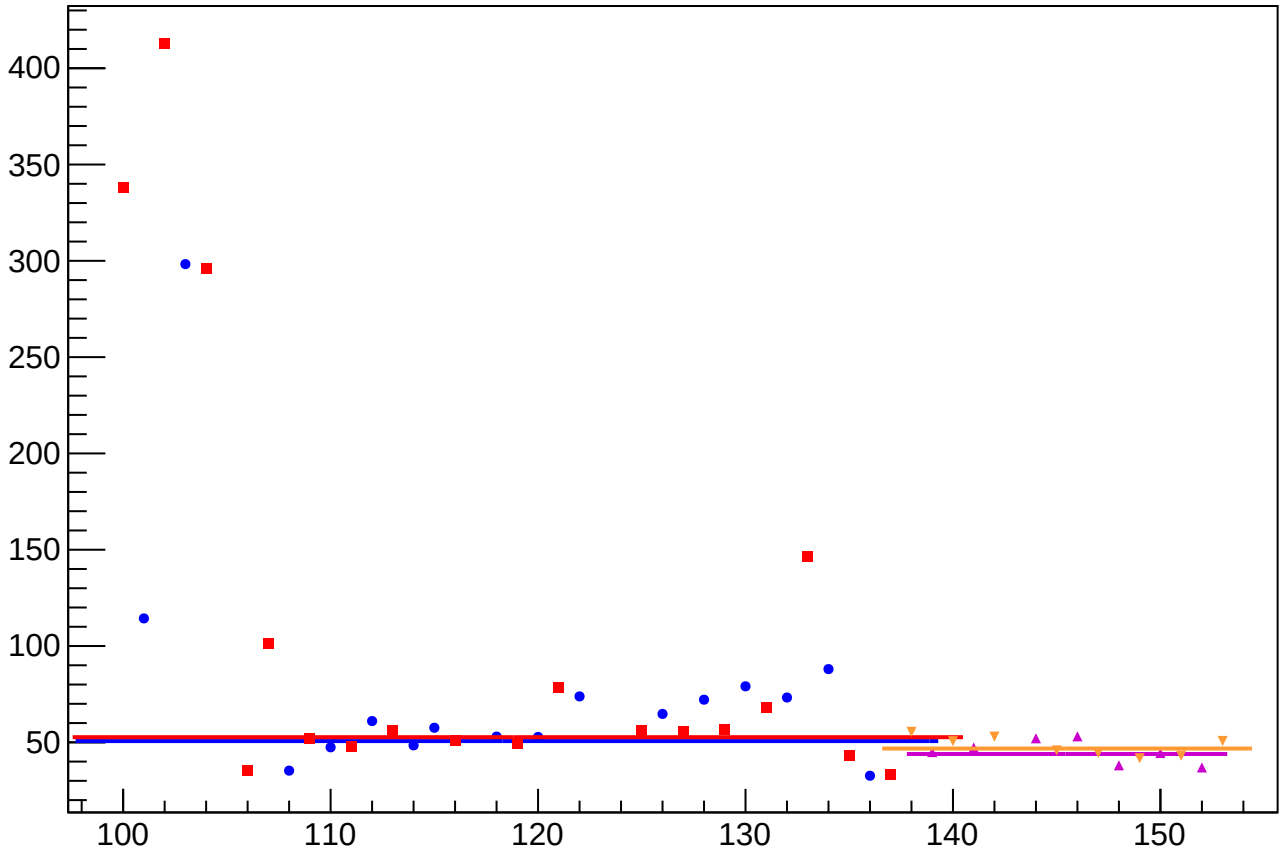
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.017+/-0.019 χ^2/NDF:1.8/6

+ sign -0.017+/-0.015 χ^2/NDF: 22.6/23

All: -0.009+/-0.011 χ^2/NDF: 42.8/48

- sign -0.000+/-0.015 χ^2/NDF: 19.5/24



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.781+/-0.014 χ^2/NDF:97419.2/7

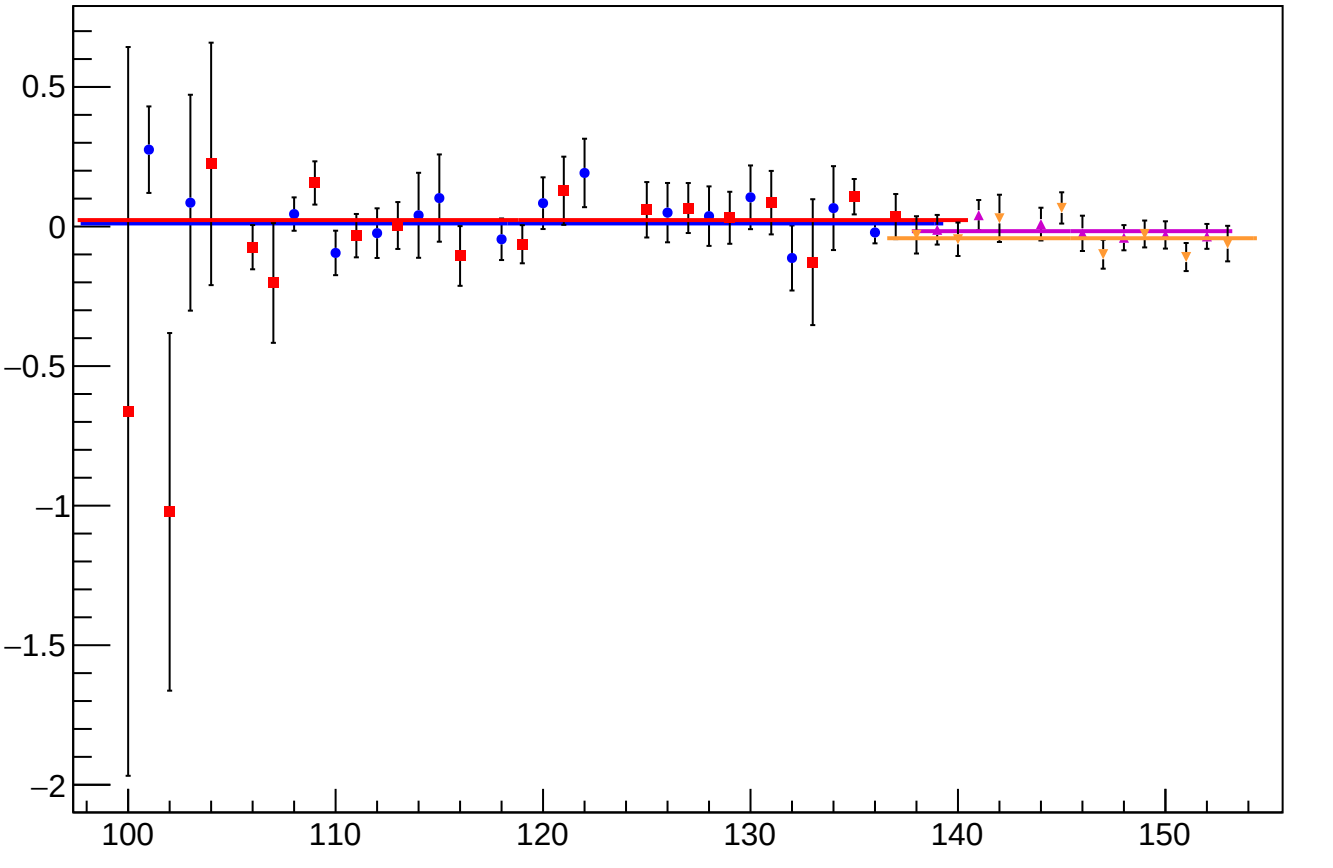
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 43.936+/-0.014 χ^2/NDF:171917.4/6

+ sign 48.577+/-0.011 χ^2/NDF: 2397267.0/23

All: 48.065+/-0.007 χ^2/NDF: 4952946.1/48

- sign 47.554+/-0.011 χ^2/NDF: 2550959.3/24



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.020 χ^2/NDF:7.7/7

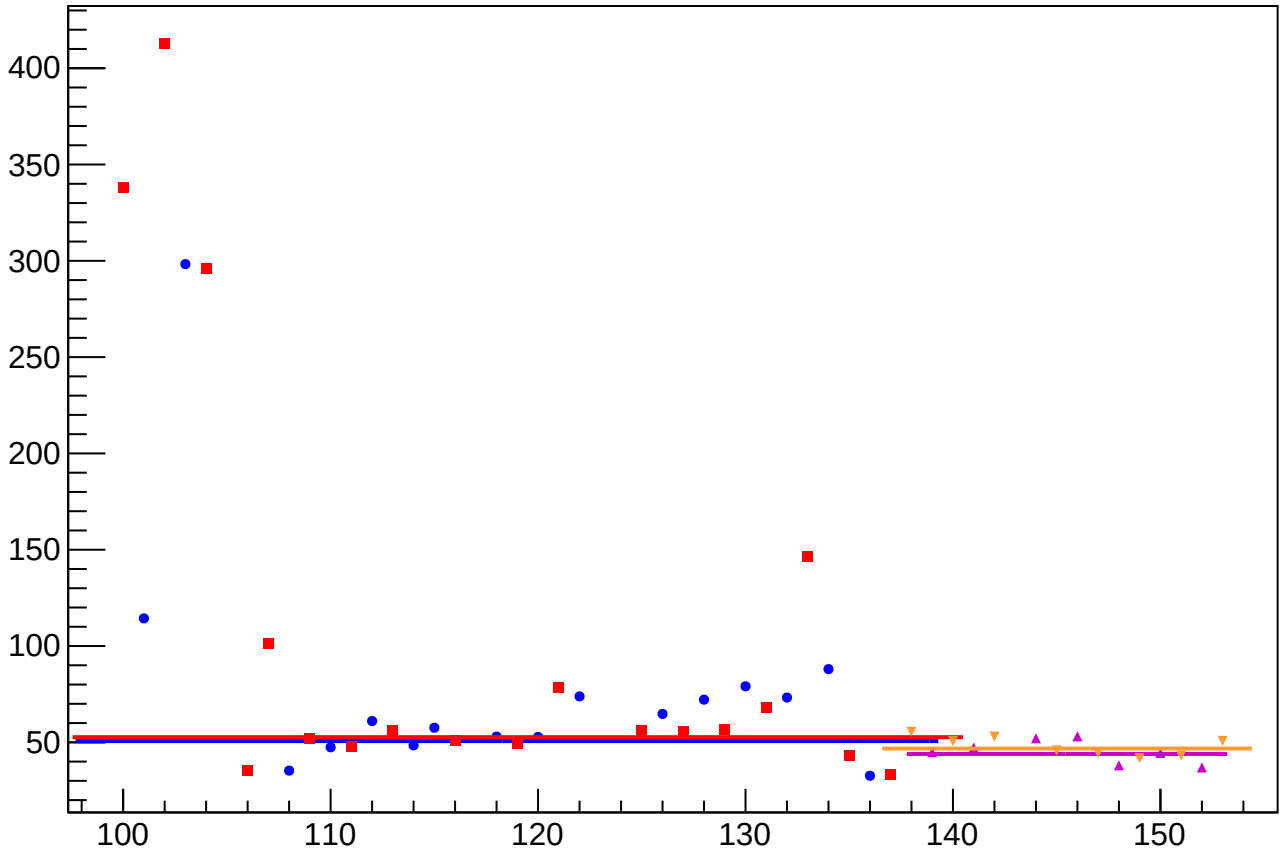
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.017+/-0.019 χ^2/NDF:1.8/6

+ sign -0.017+/-0.015 χ^2/NDF: 22.6/23

All: -0.009+/-0.011 χ^2/NDF: 42.8/48

- sign -0.000+/-0.015 χ^2/NDF: 19.5/24



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.781+/-0.014 χ^2/NDF:97419.2/7

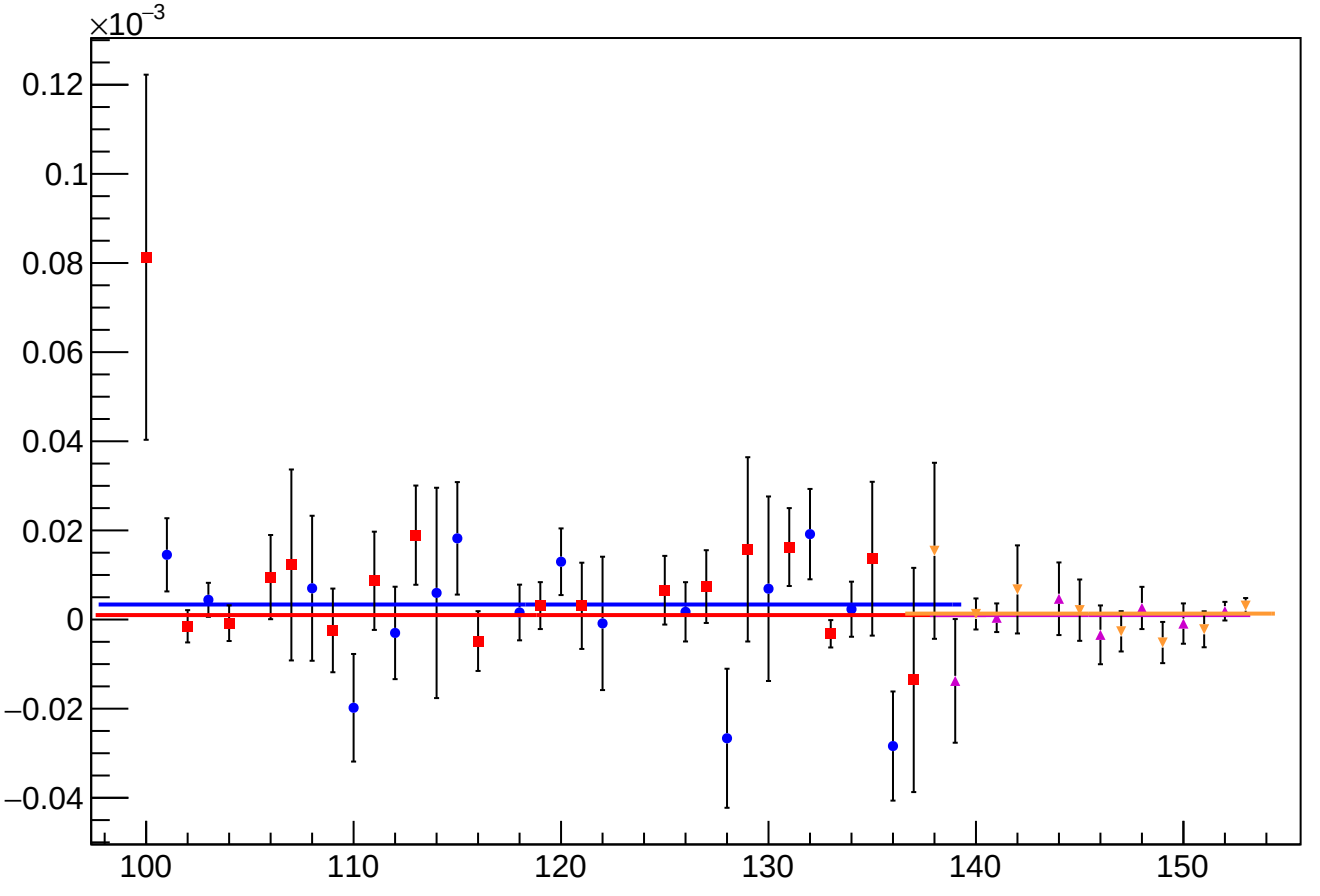
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 43.936+/-0.014 χ^2/NDF:171917.4/6

+ sign 48.577+/-0.011 χ^2/NDF: 2397267.0/23

All: 48.065+/-0.007 χ^2/NDF: 4952946.1/48

- sign 47.554+/-0.011 χ^2/NDF: 2550959.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/7

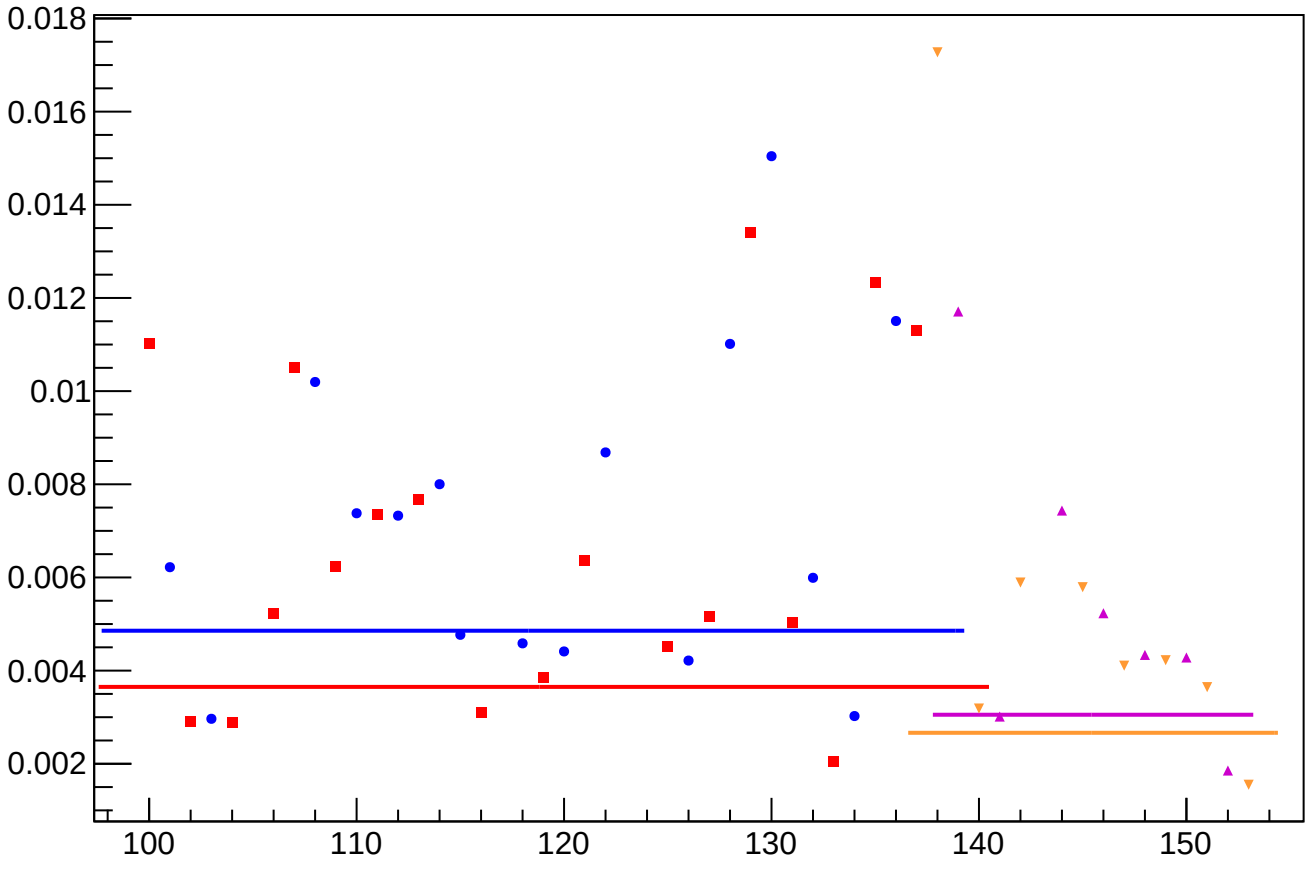
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/23

All: 0.000+/-0.000 χ^2/NDF: 48.2/48

- sign 0.000+/-0.000 χ^2/NDF: 19.5/24



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3166458.2/7

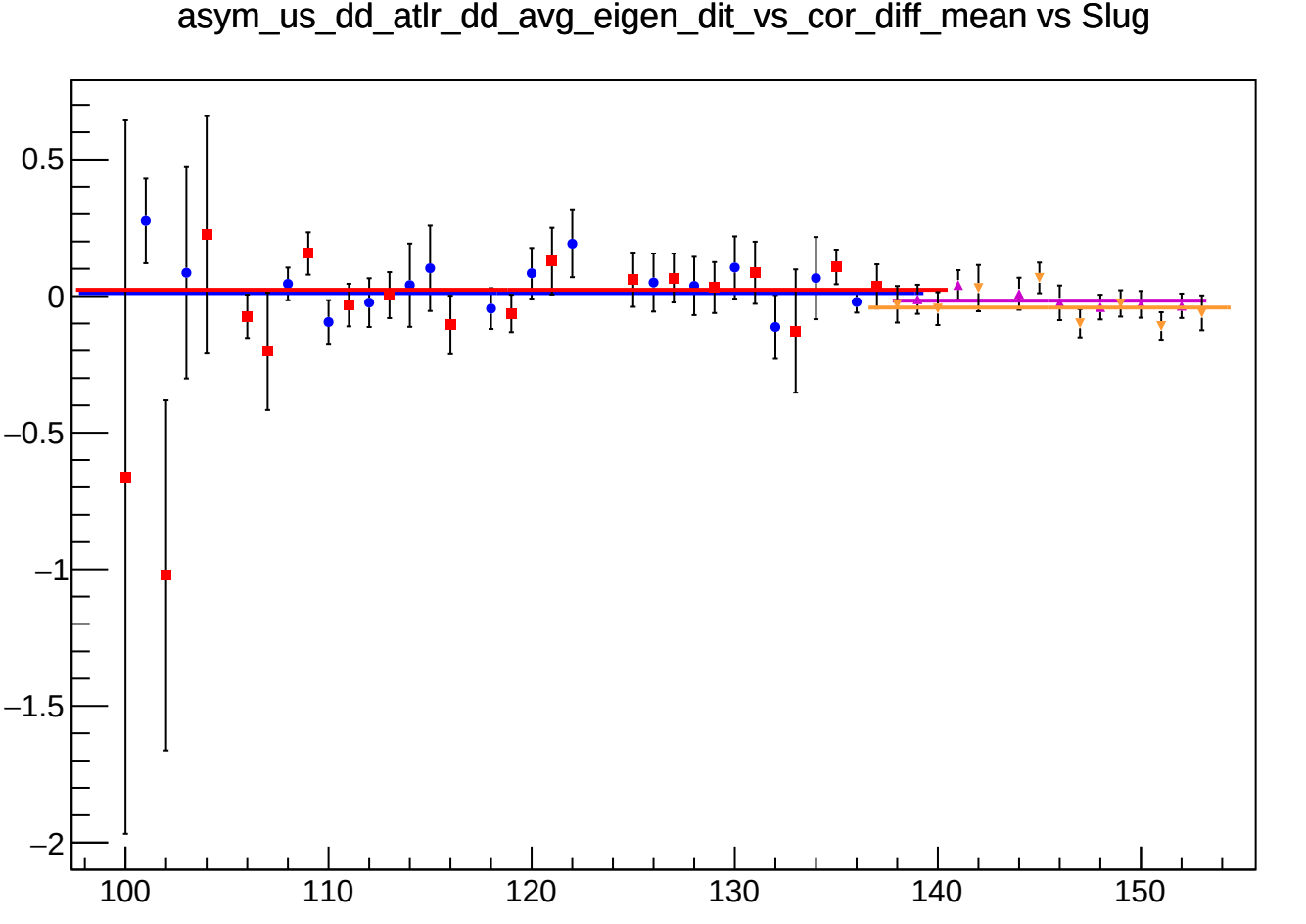
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.003+/-0.000 χ^2/NDF:2528033.6/6

+ sign 0.003+/-0.000 χ^2/NDF: 7526009.8/23

All: 0.003+/-0.000 χ^2/NDF: 13321903.1/48

- sign 0.003+/-0.000 χ^2/NDF: 5791693.6/24



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.020 χ^2/NDF:7.7/7

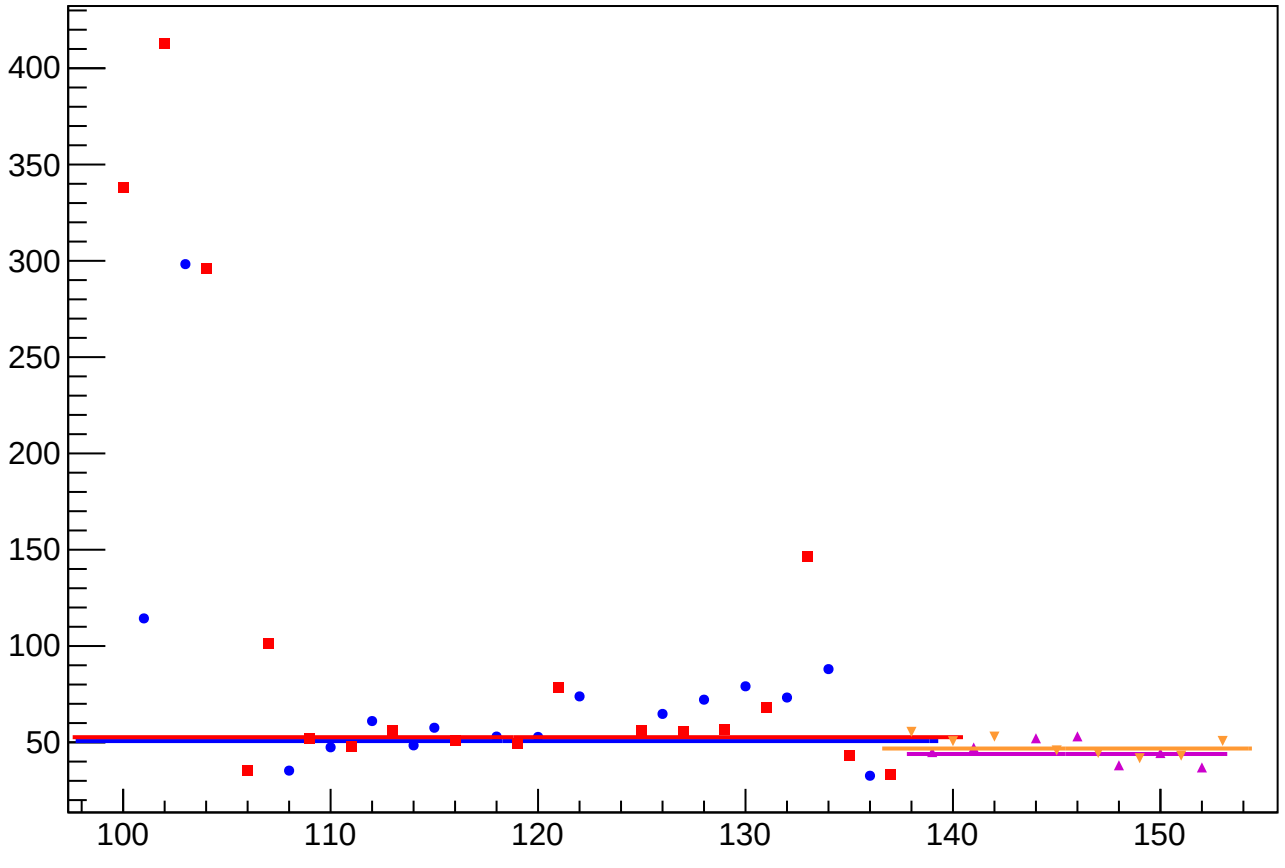
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.017+/-0.019 χ^2/NDF:1.8/6

+ sign -0.017+/-0.015 χ^2/NDF: 22.6/23

All: -0.009+/-0.011 χ^2/NDF: 42.8/48

- sign -0.000+/-0.015 χ^2/NDF: 19.5/24



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.781+/-0.014 χ^2/NDF:97439.5/7

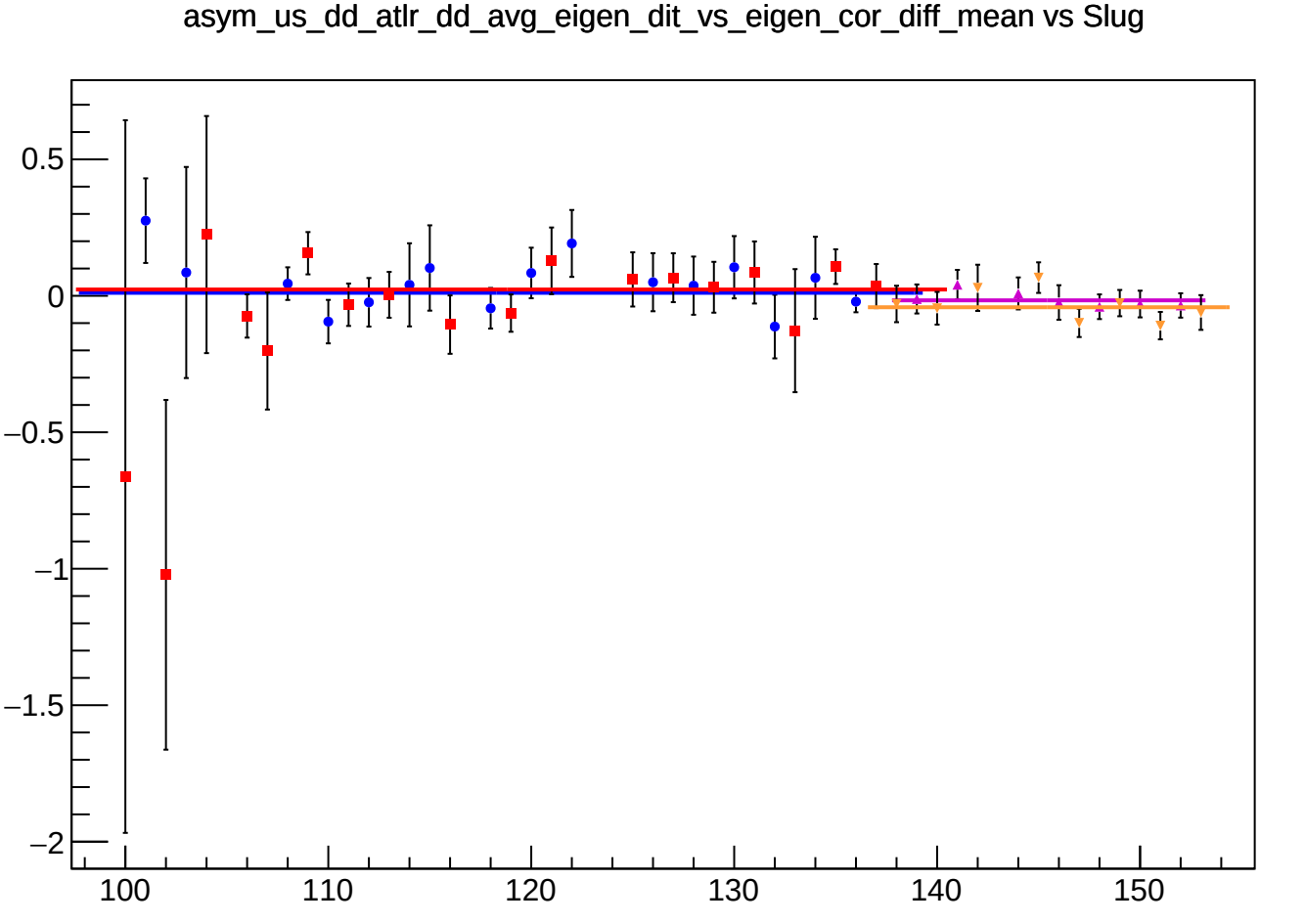
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 43.936+/-0.014 χ^2/NDF:171900.3/6

+ sign 48.578+/-0.011 χ^2/NDF: 2397196.1/23

All: 48.065+/-0.007 χ^2/NDF: 4952755.1/48

- sign 47.555+/-0.011 χ^2/NDF: 2550841.4/24



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.020 χ^2/NDF:7.7/7

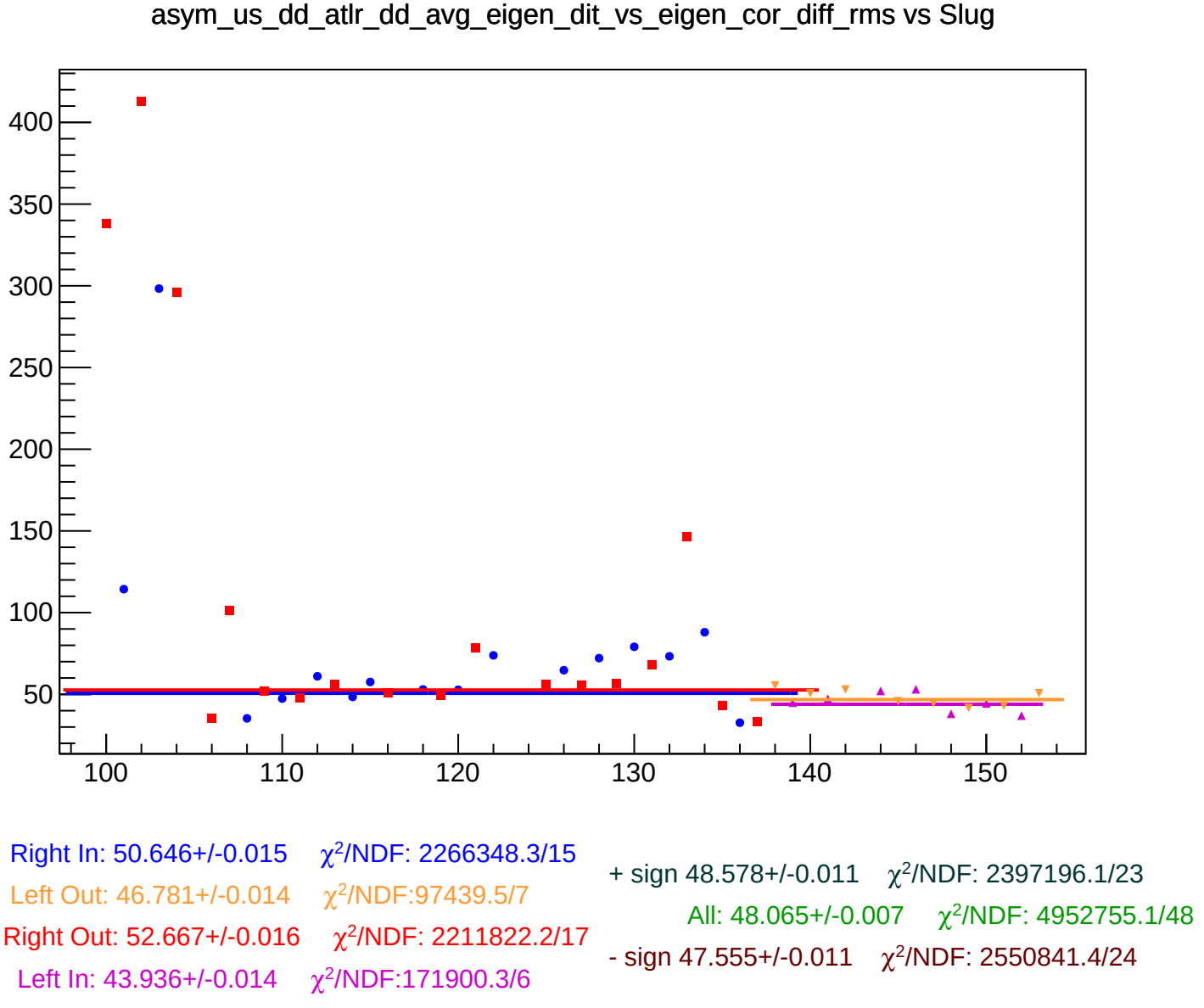
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

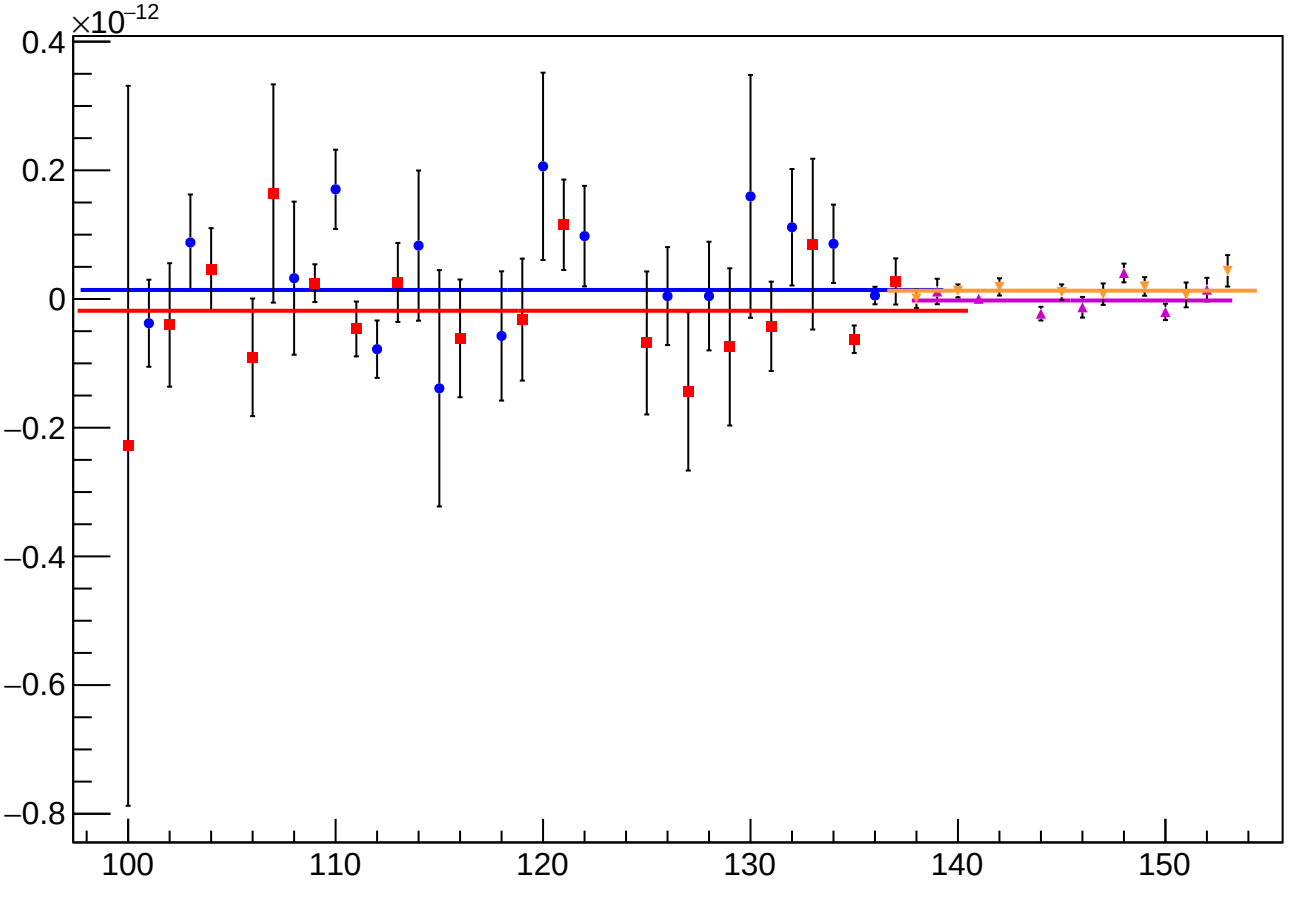
Left In: -0.017+/-0.019 χ^2/NDF:1.8/6

+ sign -0.017+/-0.015 χ^2/NDF: 22.6/23

All: -0.009+/-0.011 χ^2/NDF: 42.8/48

- sign -0.000+/-0.015 χ^2/NDF: 19.5/24


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
400
350
300
250
200
150
100
50
100
110
120
130
140
150
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 46.781+/-0.014 χ²/NDF:97439.5/7
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 43.936+/-0.014 χ²/NDF:171900.3/6
+ sign 48.578+/-0.011 χ²/NDF: 2397196.1/23
All: 48.065+/-0.007 χ²/NDF: 4952755.1/48
- sign 47.555+/-0.011 χ²/NDF: 2550841.4/24



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/7

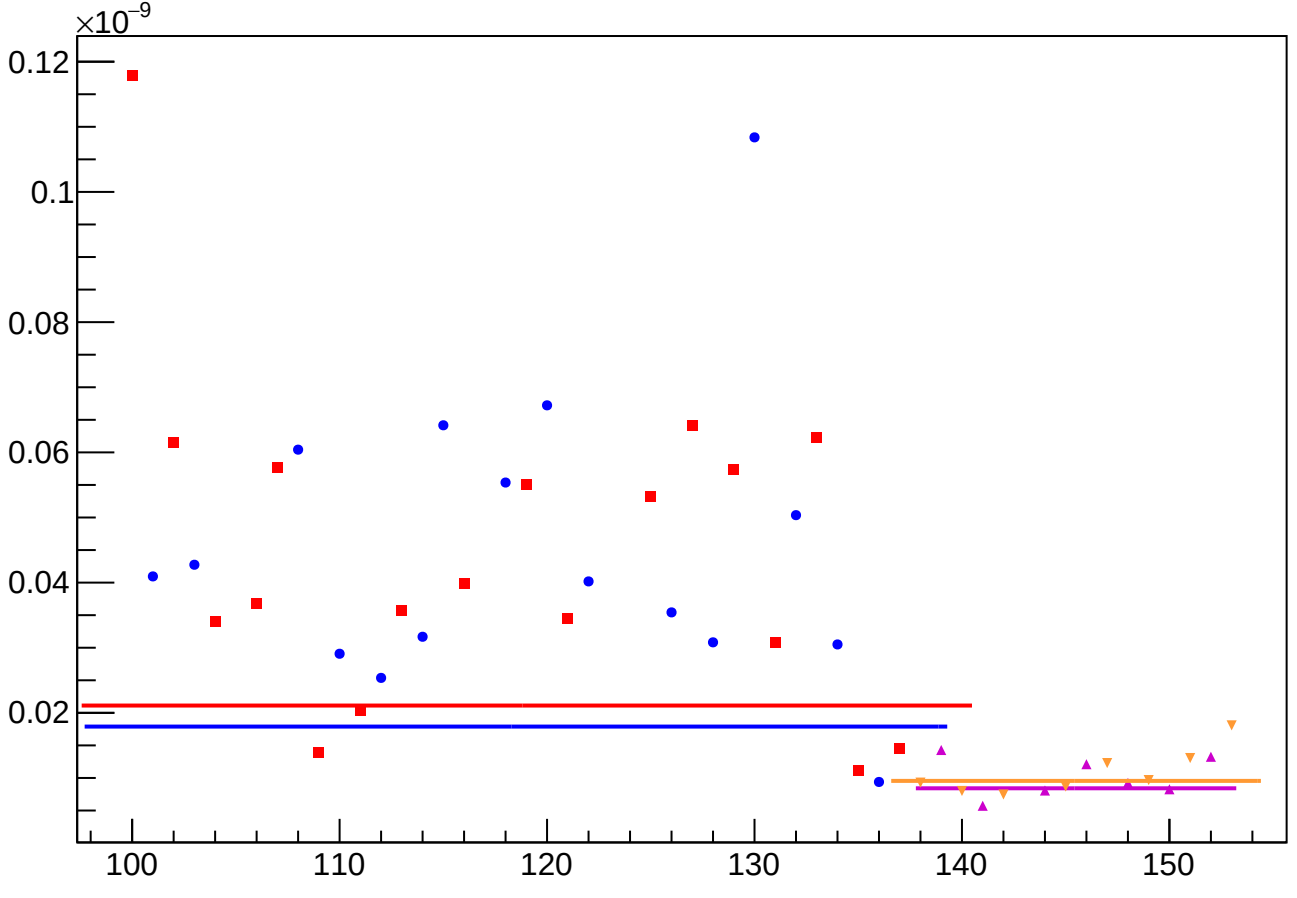
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:16.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 23.3/23

All: 0.000+/-0.000 χ^2/NDF: 66.4/48

- sign -0.000+/-0.000 χ^2/NDF: 35.6/24



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:471211.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

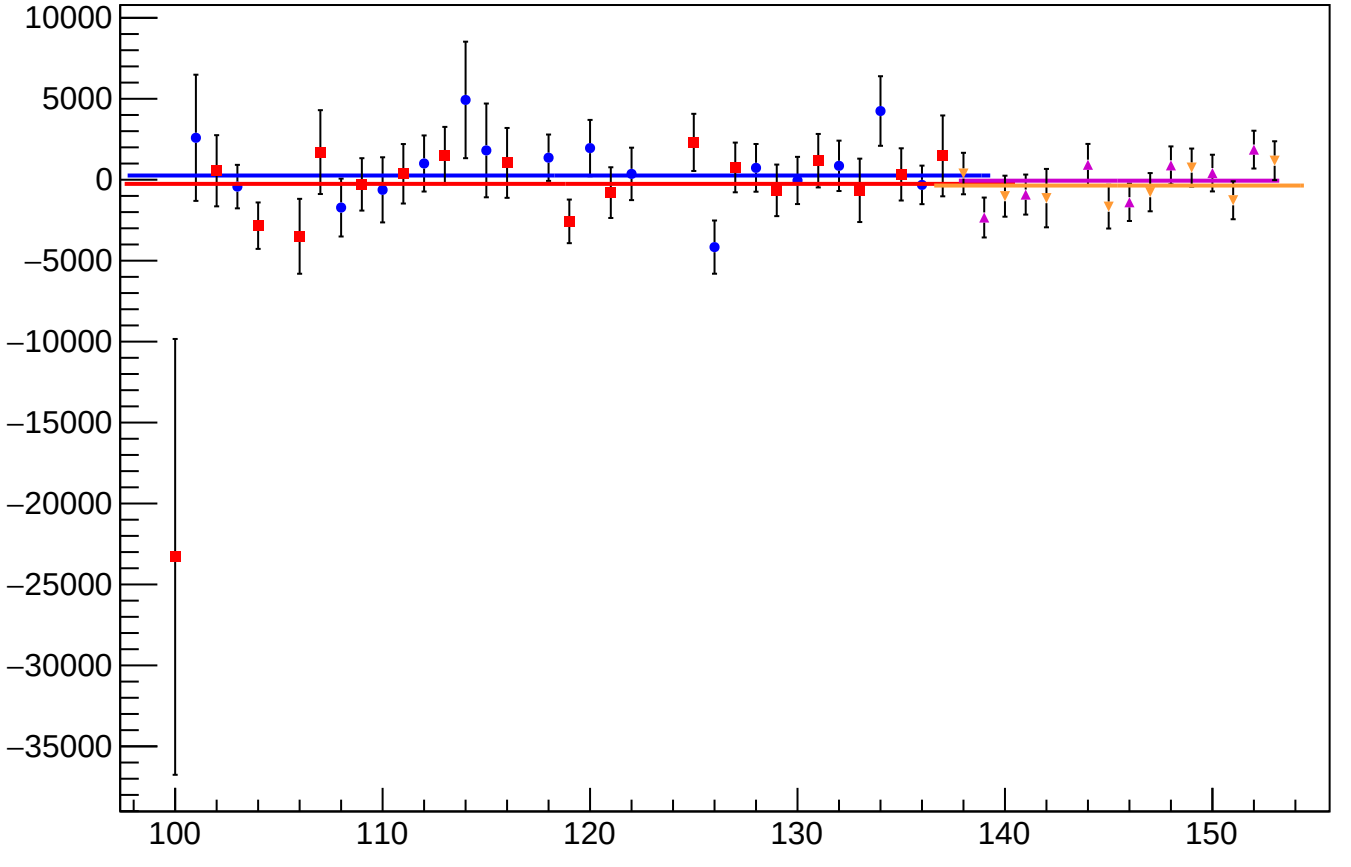
Left In: 0.000+/-0.000 χ^2/NDF:665054.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 4777829.8/23

All: 0.000+/-0.000 χ^2/NDF: 9910962.4/48

- sign 0.000+/-0.000 χ^2/NDF: 5089557.8/24

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -359.134+/-449.520 χ^2/NDF:5.0/7

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

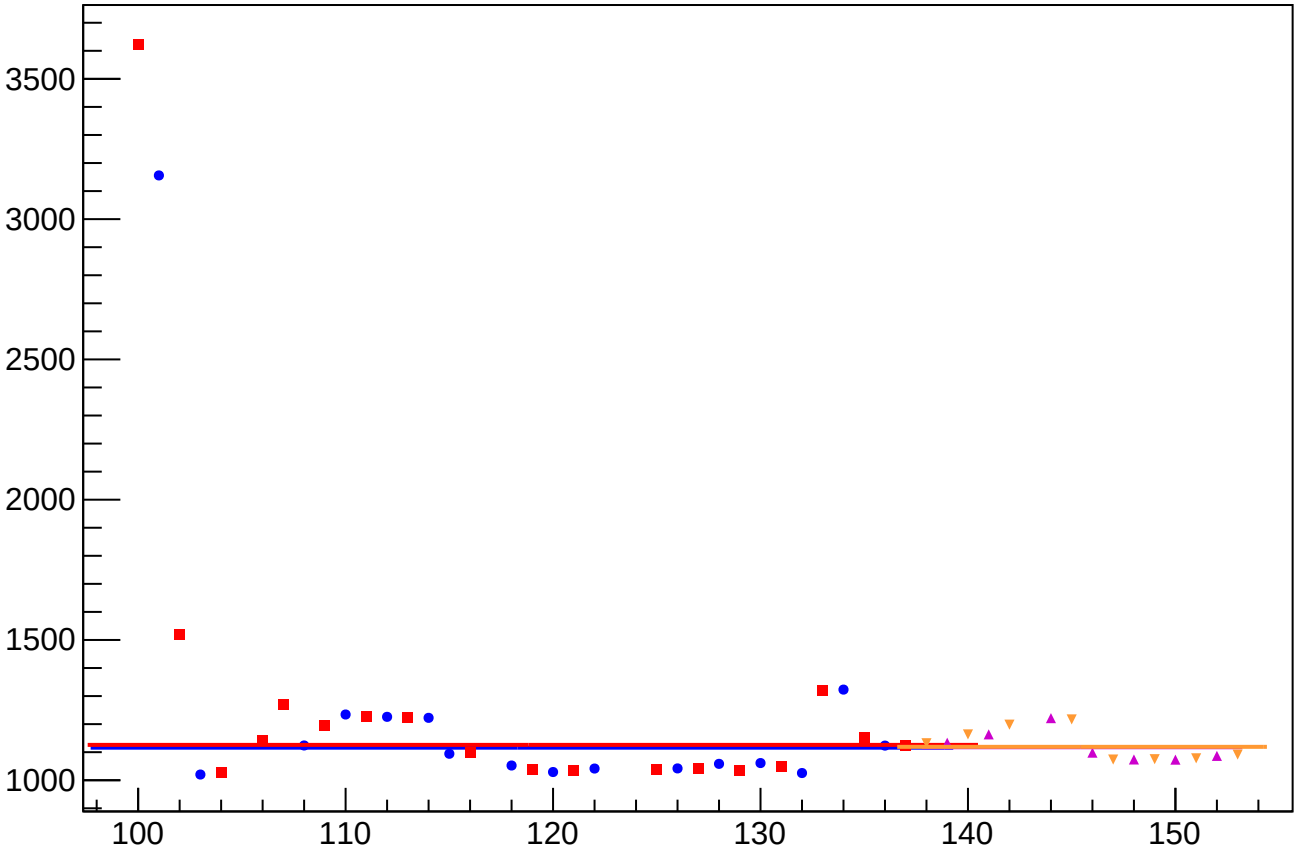
Left In: -58.143+/-451.541 χ^2/NDF:9.3/6

+ sign -31.551+/-308.693 χ^2/NDF: 22.9/23

All: -96.965+/-218.663 χ^2/NDF: 49.8/48

- sign -162.841+/-309.781 χ^2/NDF: 26.8/24

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1119.042+/-0.318 χ^2/NDF:26190.3/7

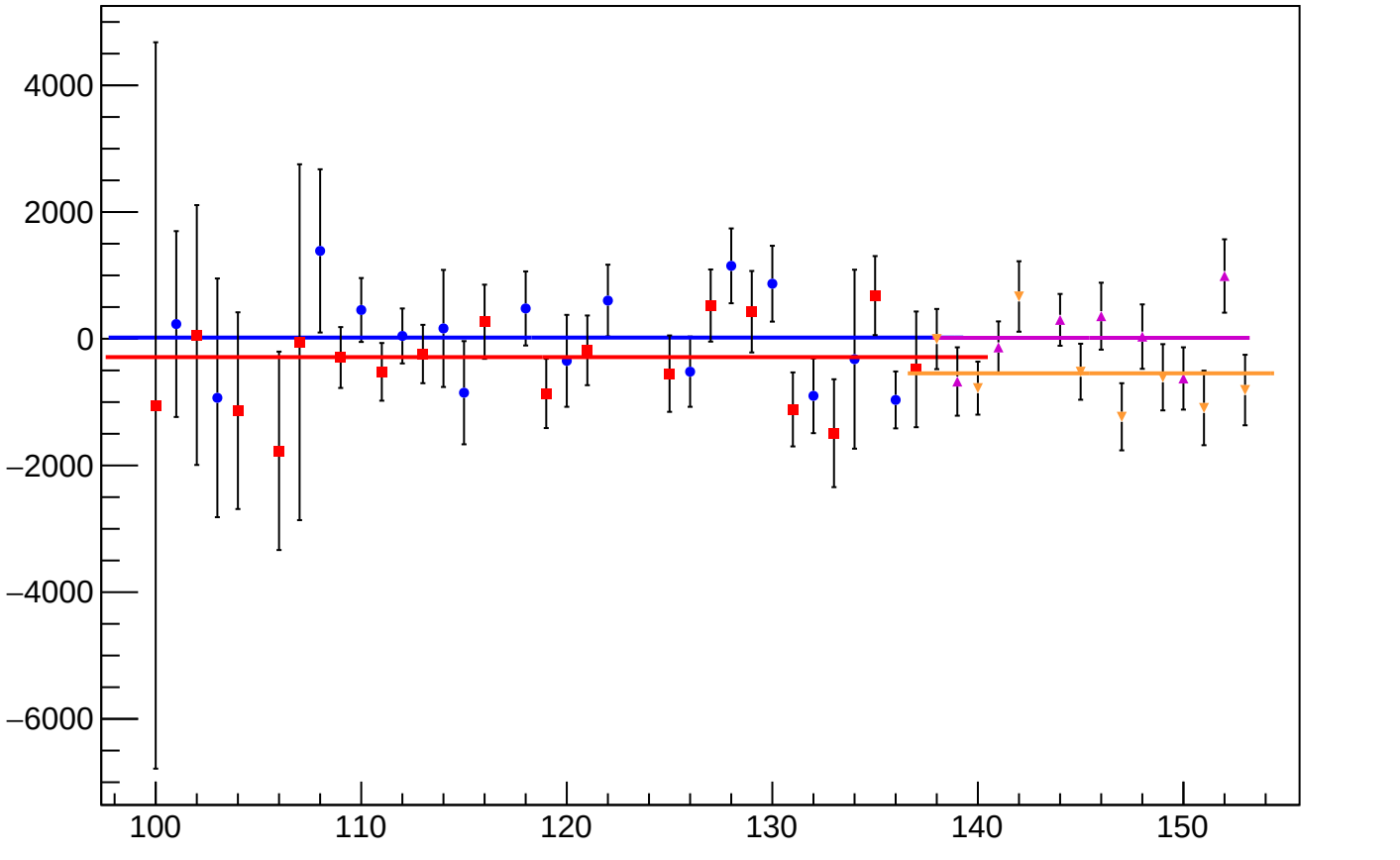
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1117.635+/-0.319 χ^2/NDF:23839.2/6

+ sign 1117.482+/-0.218 χ^2/NDF: 649626.7/23

All: 1119.768+/-0.155 χ^2/NDF: 896156.9/48

- sign 1122.071+/-0.219 χ^2/NDF: 246309.9/24



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -545.580+/-177.226 χ^2/NDF:9.1/7

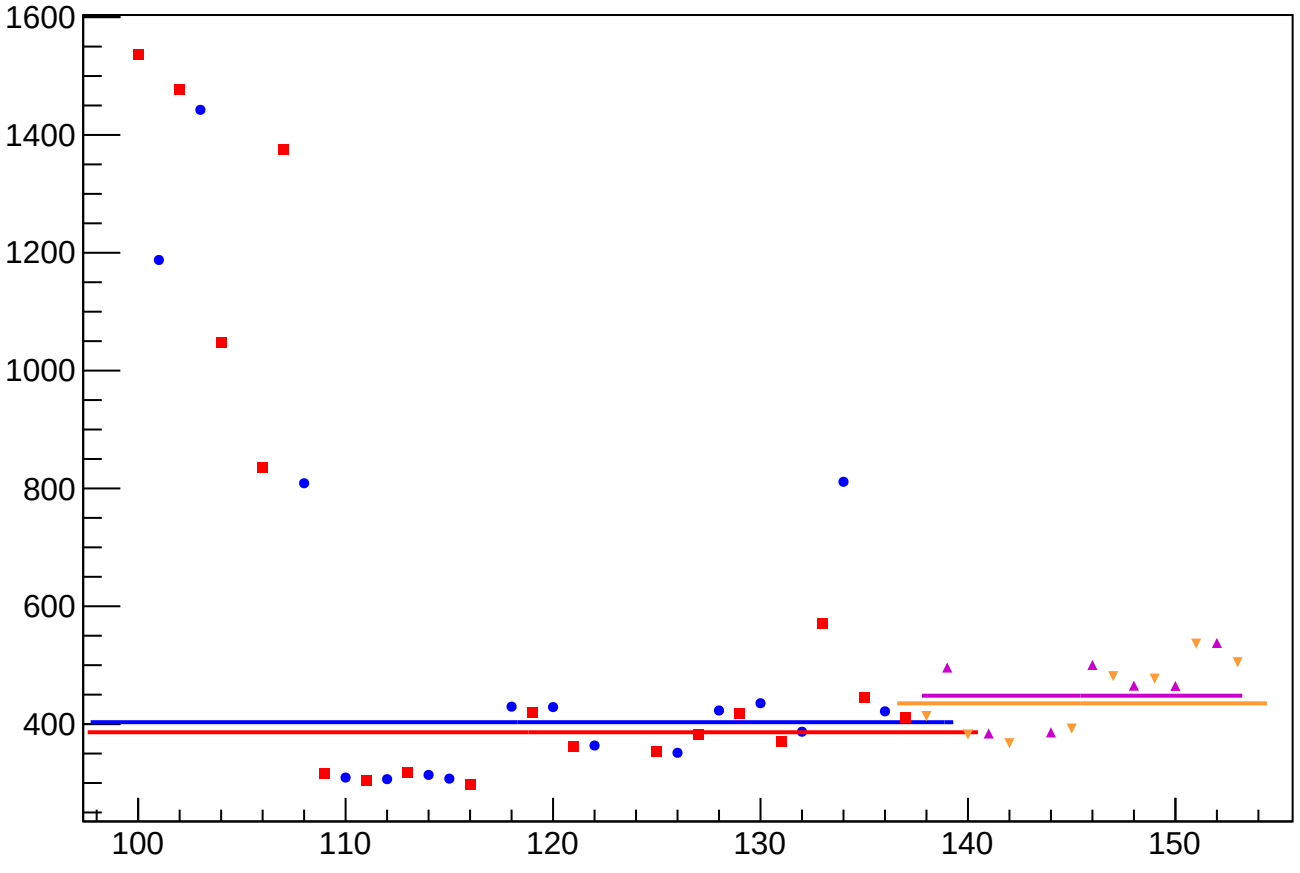
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 14.038+/-182.778 χ^2/NDF:7.2/6

+ sign -236.970+/-119.265 χ^2/NDF: 33.9/23

All: -199.146+/-84.147 χ^2/NDF: 56.4/48

- sign -161.653+/-118.741 χ^2/NDF: 22.3/24



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 435.210+/-0.125 χ^2/NDF:203311.1/7

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

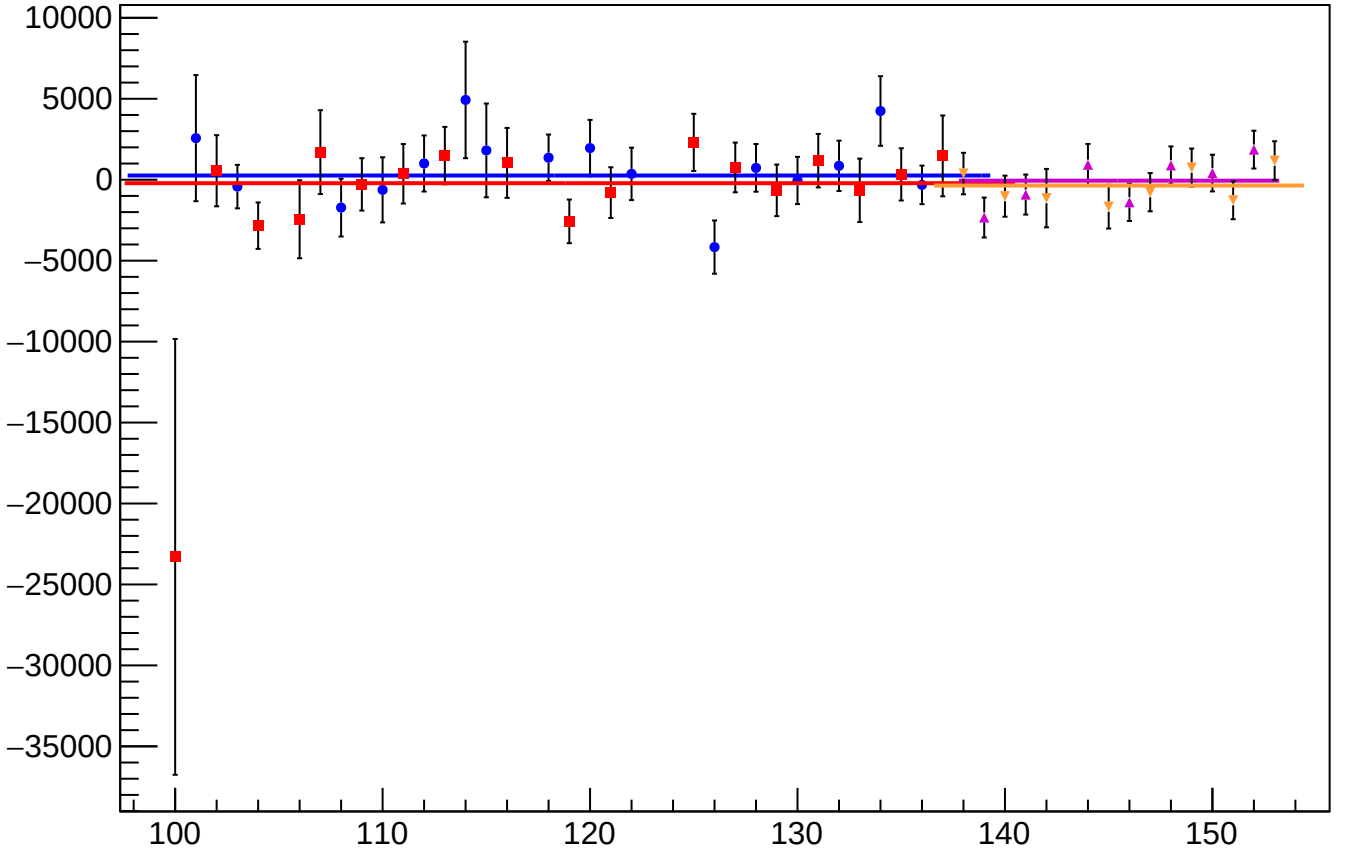
Left In: 448.199+/-0.129 χ^2/NDF:182826.6/6

+ sign 417.693+/-0.084 χ^2/NDF: 2047455.0/23

All: 415.002+/-0.060 χ^2/NDF: 4124652.9/48

- sign 412.335+/-0.084 χ^2/NDF: 2075170.4/24

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -359.121+/-449.520 χ^2/NDF:5.0/7

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

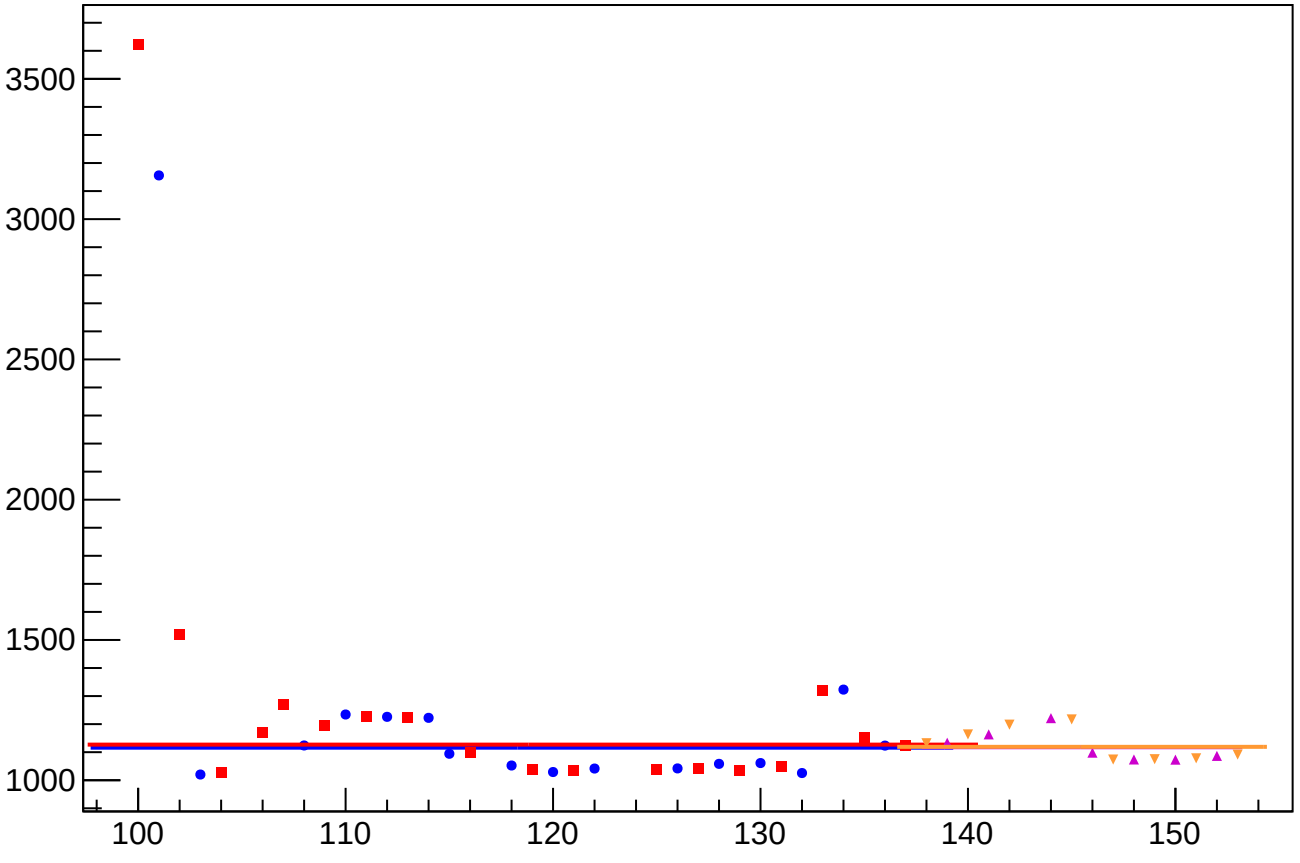
Left In: -58.115+/-451.541 χ^2/NDF:9.3/6

+ sign -31.746+/-308.693 χ^2/NDF: 22.9/23

All: -86.040+/-218.738 χ^2/NDF: 48.6/48

- sign -140.793+/-309.995 χ^2/NDF: 25.6/24

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1119.042+/-0.318 χ^2/NDF:26190.3/7

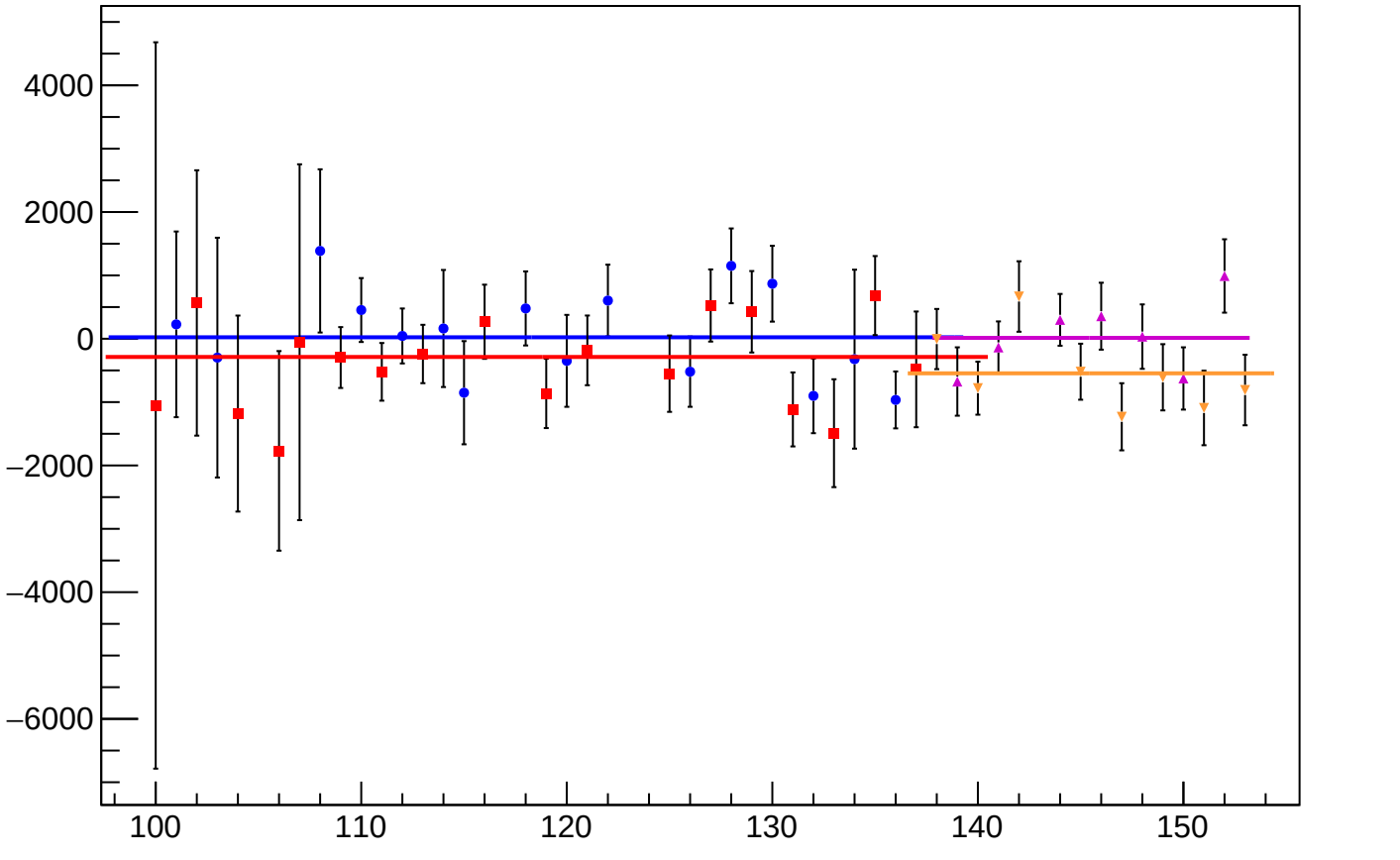
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1117.635+/-0.319 χ^2/NDF:23839.2/6

+ sign 1117.482+/-0.218 χ^2/NDF: 649627.8/23

All: 1120.013+/-0.155 χ^2/NDF: 896928.2/48

- sign 1122.565+/-0.219 χ^2/NDF: 247030.4/24



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -545.705+/-177.224 χ^2/NDF:9.1/7

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

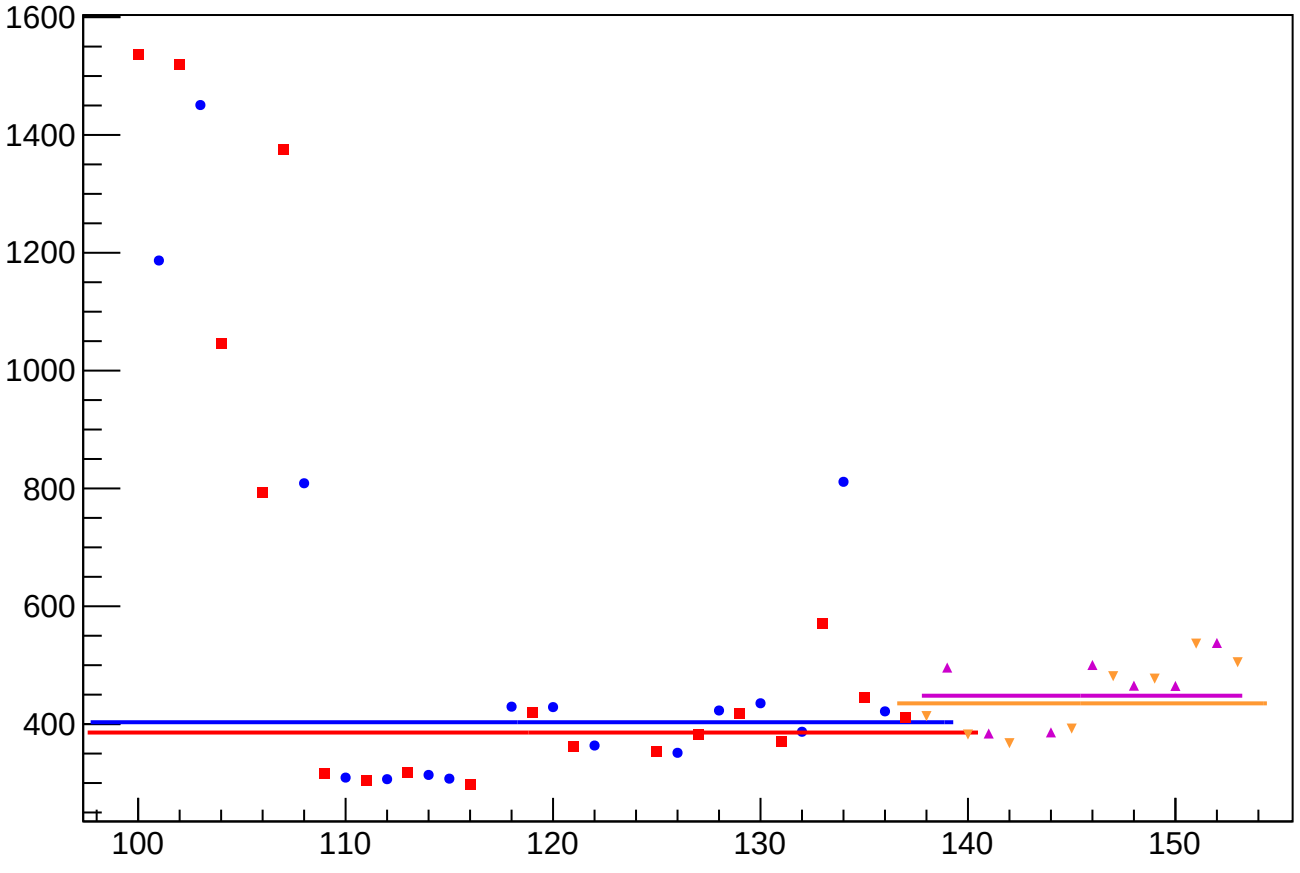
Left In: 13.975+/-182.776 χ^2/NDF:7.2/6

+ sign -234.593+/-119.265 χ^2/NDF: 33.7/23

All: -197.291+/-84.150 χ^2/NDF: 56.4/48

- sign -160.309+/-118.750 χ^2/NDF: 22.4/24

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 435.207+/-0.125 χ^2/NDF:203301.0/7

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

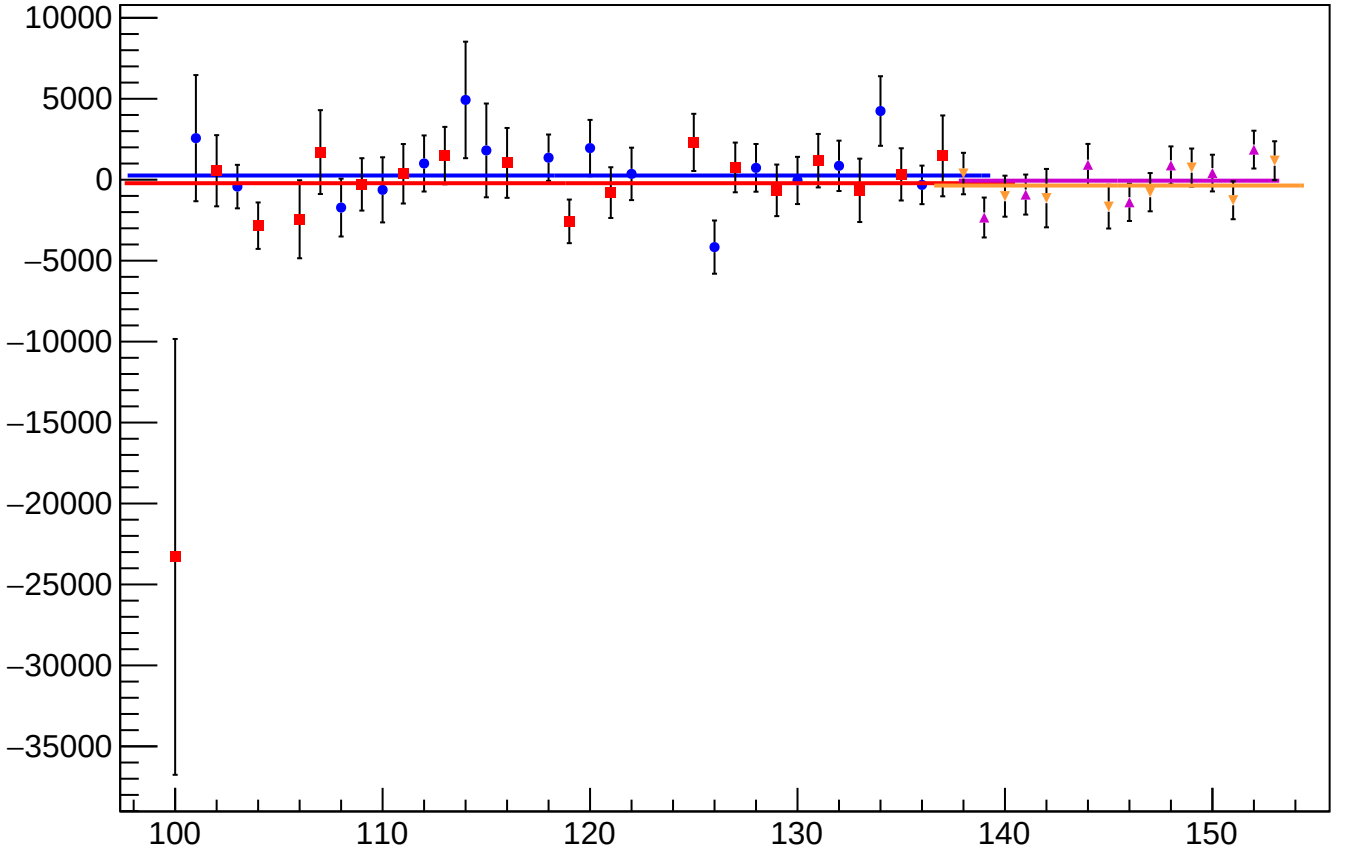
Left In: 448.195+/-0.129 χ^2/NDF:182800.3/6

+ sign 417.685+/-0.084 χ^2/NDF: 2051143.3/23

All: 414.865+/-0.060 χ^2/NDF: 4118524.4/48

- sign 412.070+/-0.084 χ^2/NDF: 2065154.3/24

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -359.121+/-449.520 χ^2/NDF:5.0/7

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

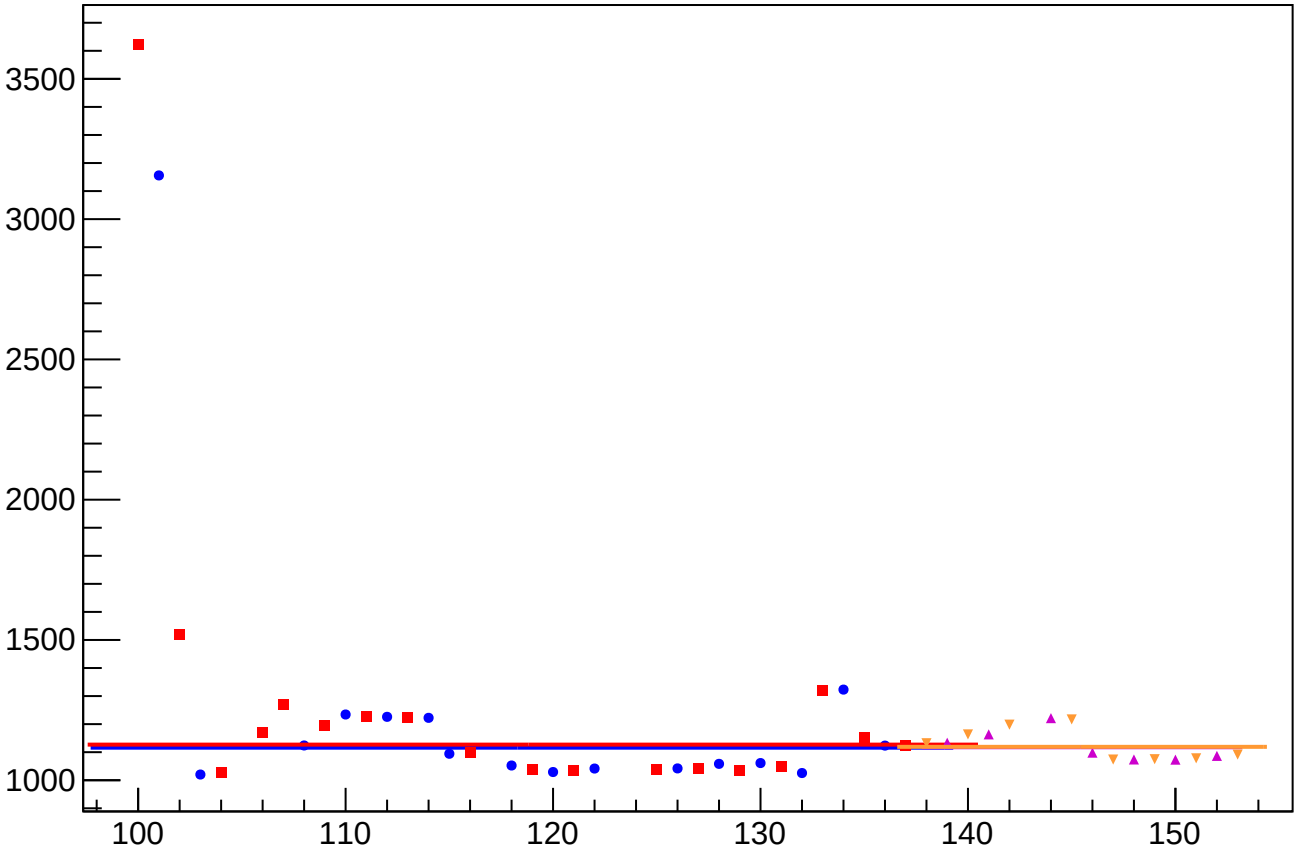
Left In: -58.115+/-451.541 χ^2/NDF:9.3/6

+ sign -31.746+/-308.693 χ^2/NDF: 22.9/23

All: -86.040+/-218.738 χ^2/NDF: 48.6/48

- sign -140.793+/-309.995 χ^2/NDF: 25.6/24

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1119.042+/-0.318 χ^2/NDF:26190.3/7

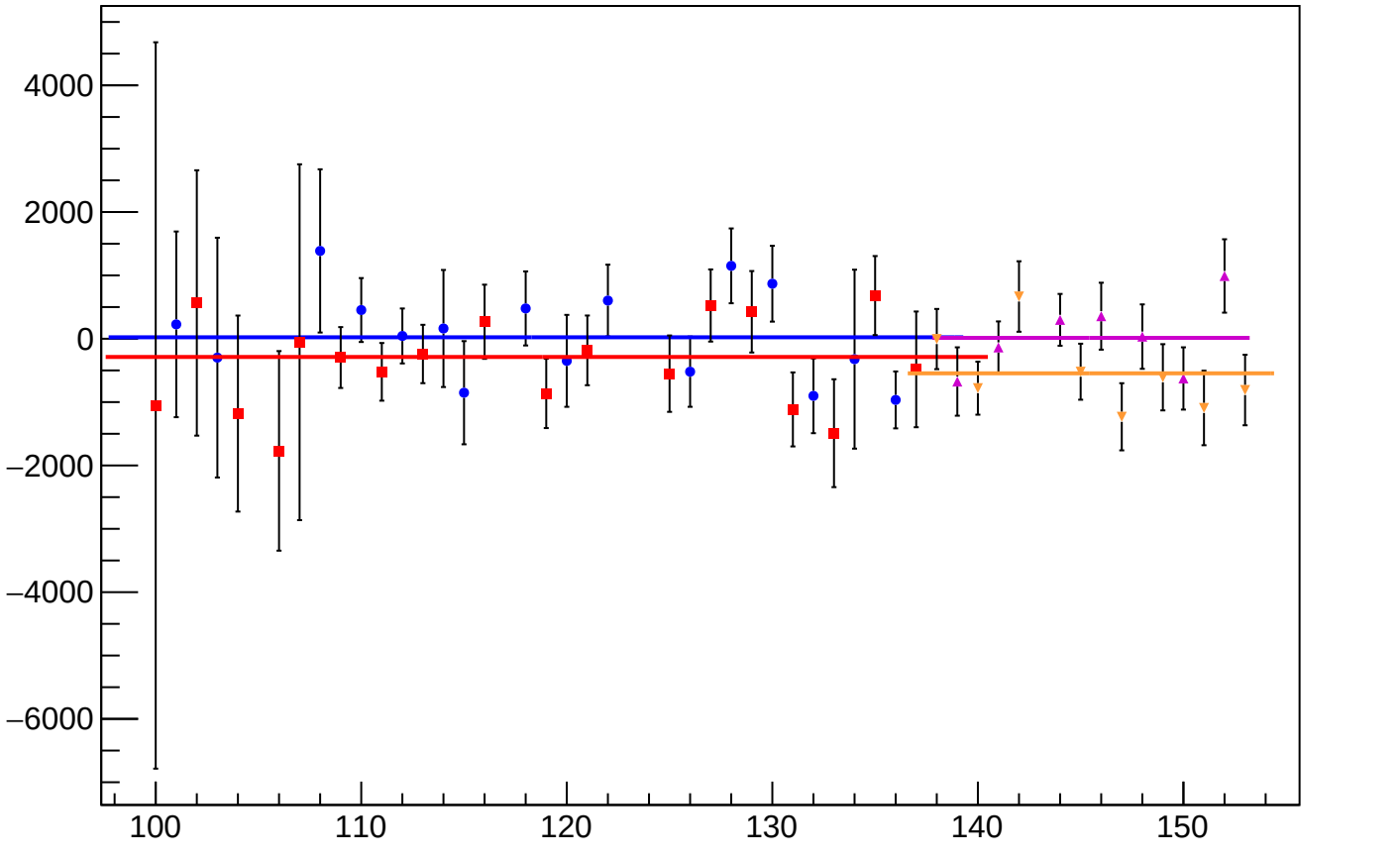
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1117.635+/-0.319 χ^2/NDF:23839.2/6

+ sign 1117.482+/-0.218 χ^2/NDF: 649627.8/23

All: 1120.013+/-0.155 χ^2/NDF: 896928.2/48

- sign 1122.565+/-0.219 χ^2/NDF: 247030.4/24



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -545.705+/-177.224 χ^2/NDF:9.1/7

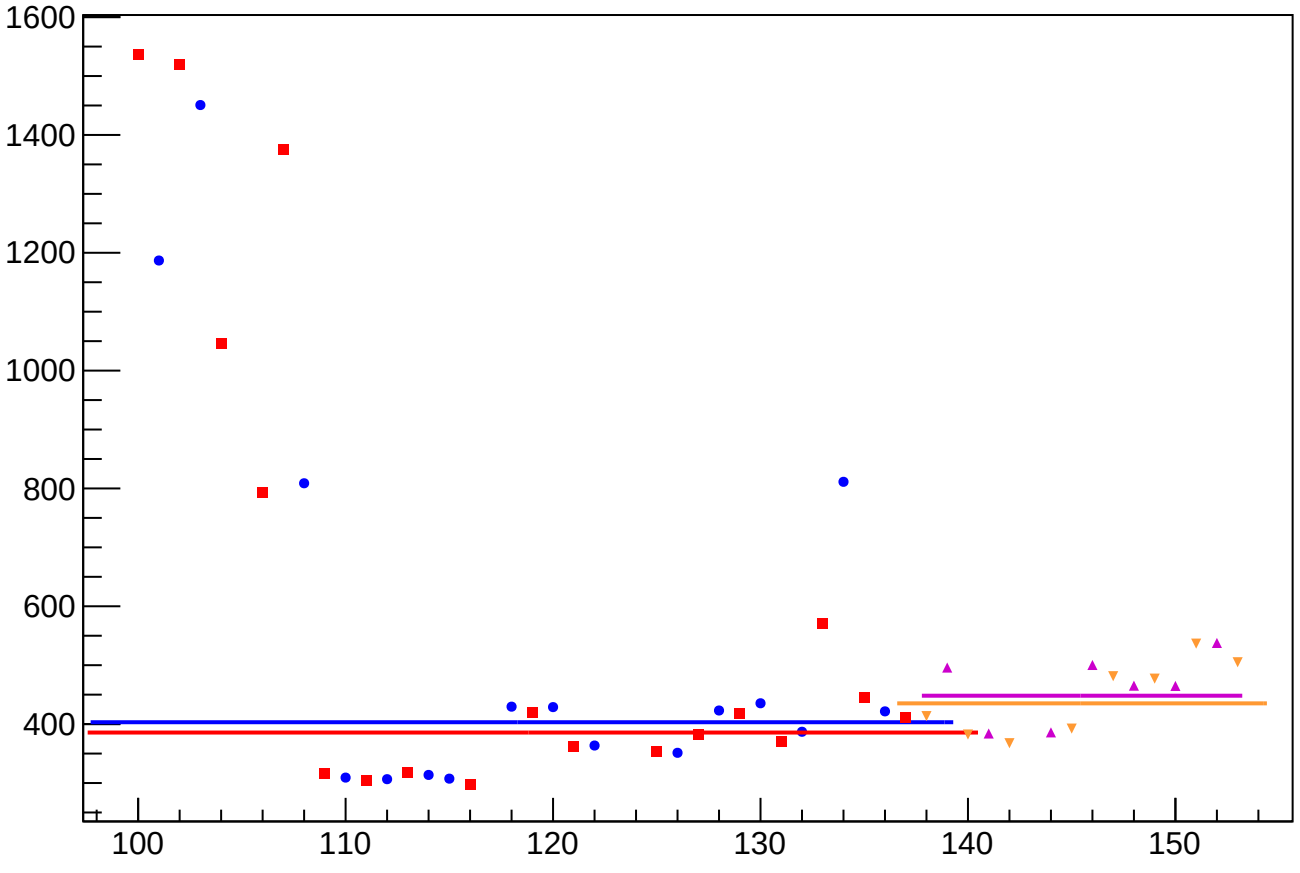
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 13.975+/-182.776 χ^2/NDF:7.2/6

+ sign -234.593+/-119.265 χ^2/NDF: 33.7/23

All: -197.291+/-84.150 χ^2/NDF: 56.4/48

- sign -160.309+/-118.750 χ^2/NDF: 22.4/24



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 435.207+/-0.125 χ^2/NDF:203301.0/7

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

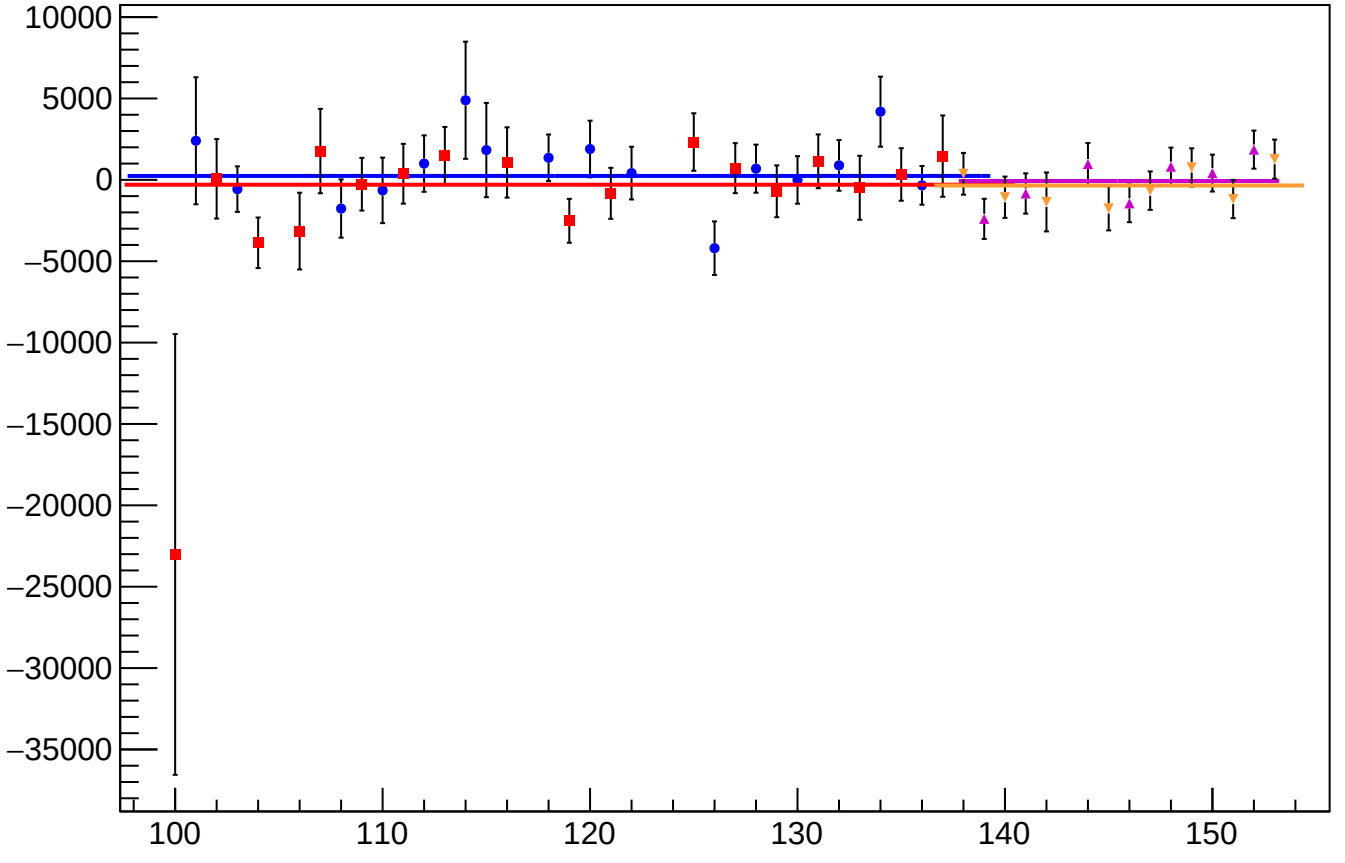
Left In: 448.195+/-0.129 χ^2/NDF:182800.3/6

+ sign 417.685+/-0.084 χ^2/NDF: 2051143.3/23

All: 414.865+/-0.060 χ^2/NDF: 4118524.4/48

- sign 412.070+/-0.084 χ^2/NDF: 2065154.3/24

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -346.919+/-450.060 χ^2/NDF:5.3/7

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

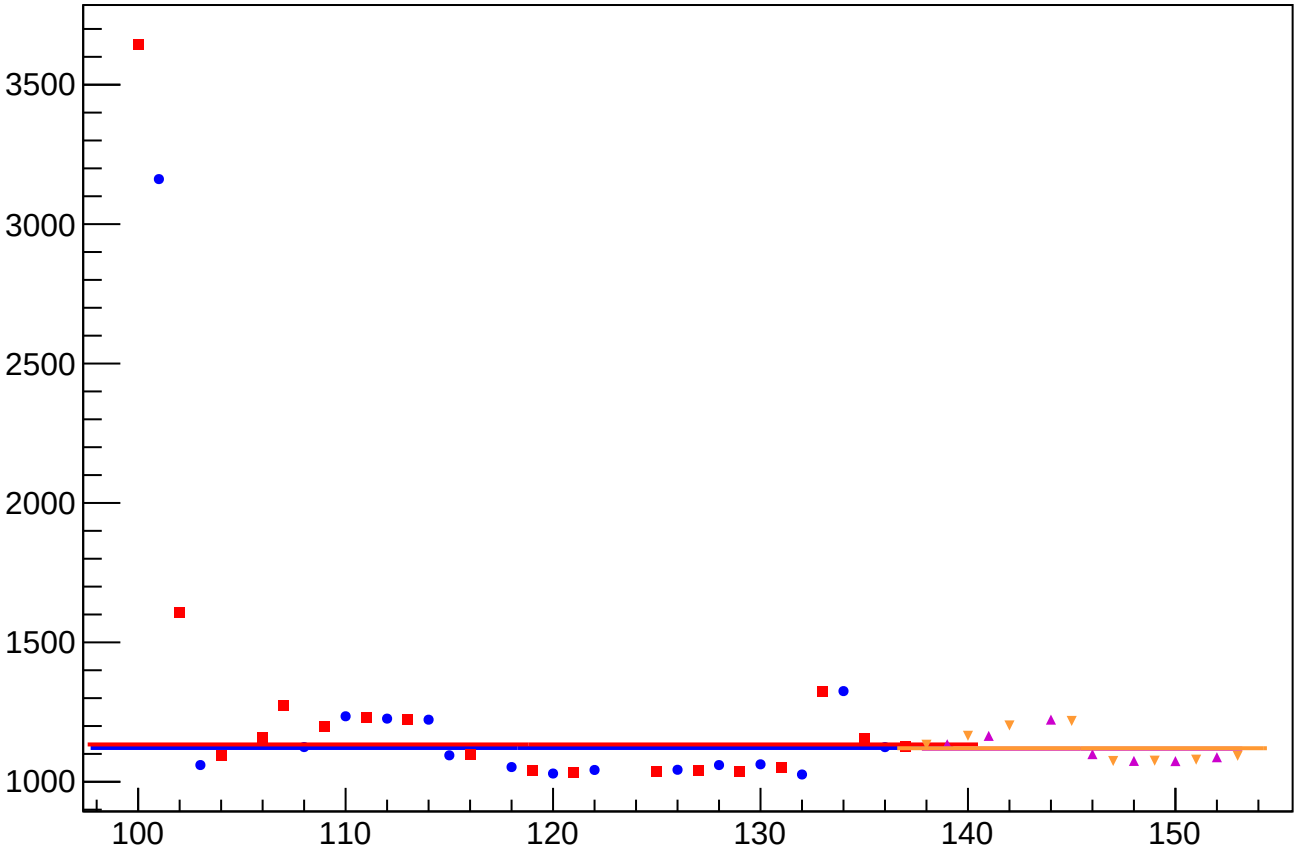
Left In: -69.646+/-451.986 χ^2/NDF:9.5/6

+ sign -37.323+/-309.610 χ^2/NDF: 23.2/23

All: -113.013+/-219.708 χ^2/NDF: 51.6/48

- sign -189.791+/-311.830 χ^2/NDF: 28.3/24

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1120.357+/-0.318 χ^2/NDF:26553.7/7

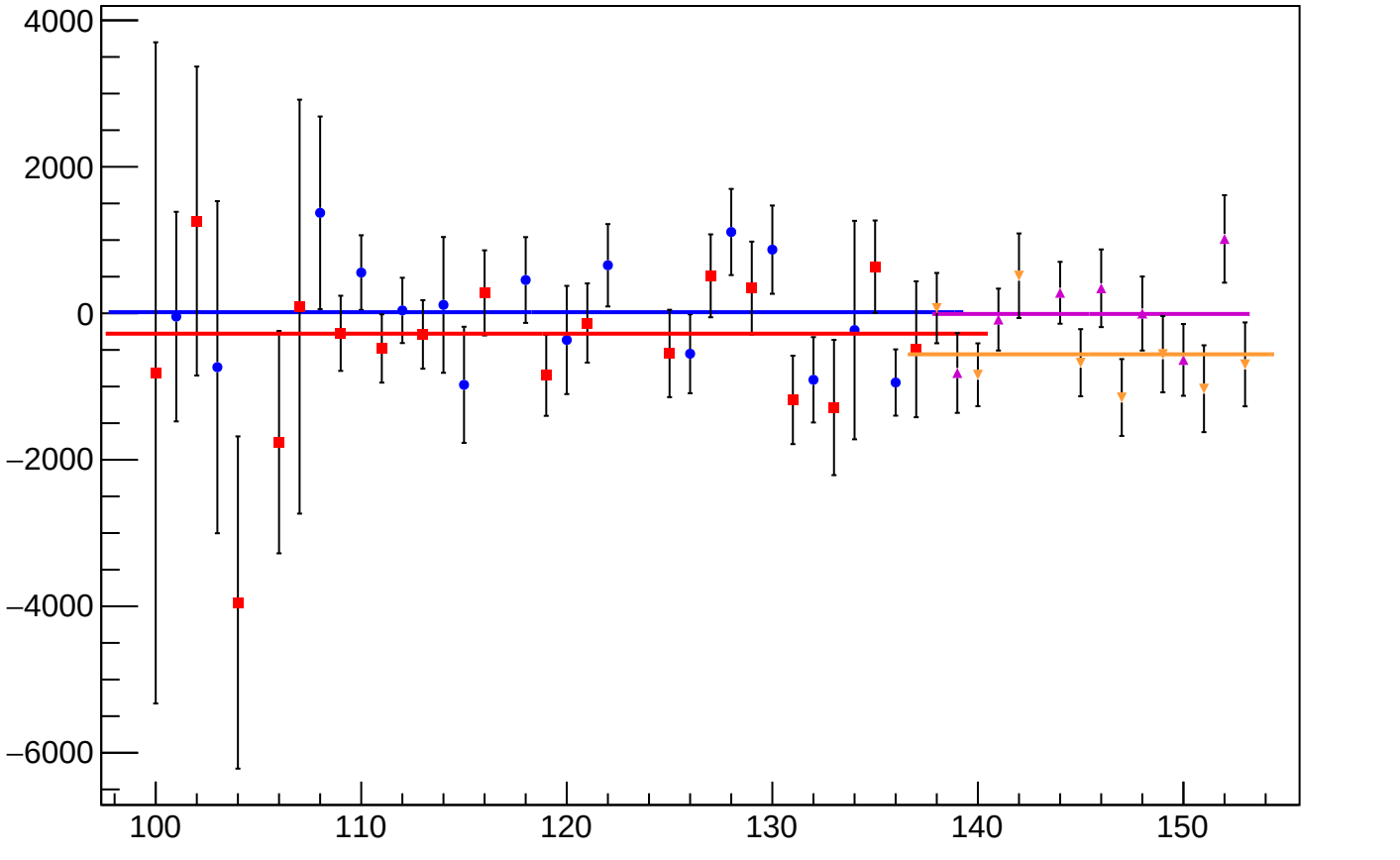
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1118.721+/-0.320 χ^2/NDF:23985.2/6

+ sign 1120.851+/-0.219 χ^2/NDF: 643586.6/23

All: 1123.750+/-0.155 χ^2/NDF: 896568.7/48

- sign 1126.690+/-0.220 χ^2/NDF: 252628.8/24



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -559.729+/-180.336 χ^2/NDF:7.6/7

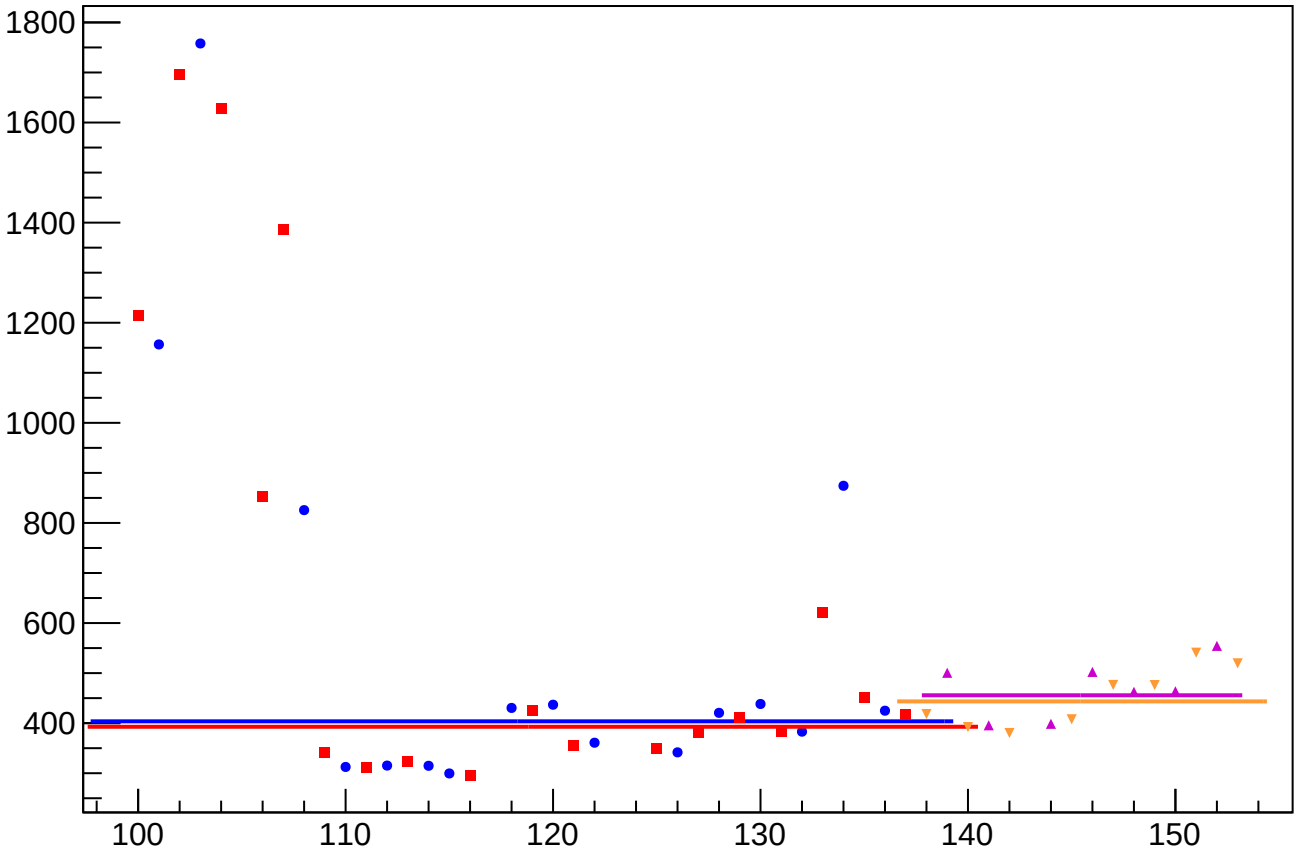
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -8.623+/-185.622 χ^2/NDF:7.7/6

\+ sign -241.237+/-120.450 χ^2/NDF: 32.9/23

All: -202.834+/-85.252 χ^2/NDF: 57.1/48

\- sign -164.285+/-120.680 χ^2/NDF: 24.0/24



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 443.468+/-0.128 χ^2/NDF:175162.8/7

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

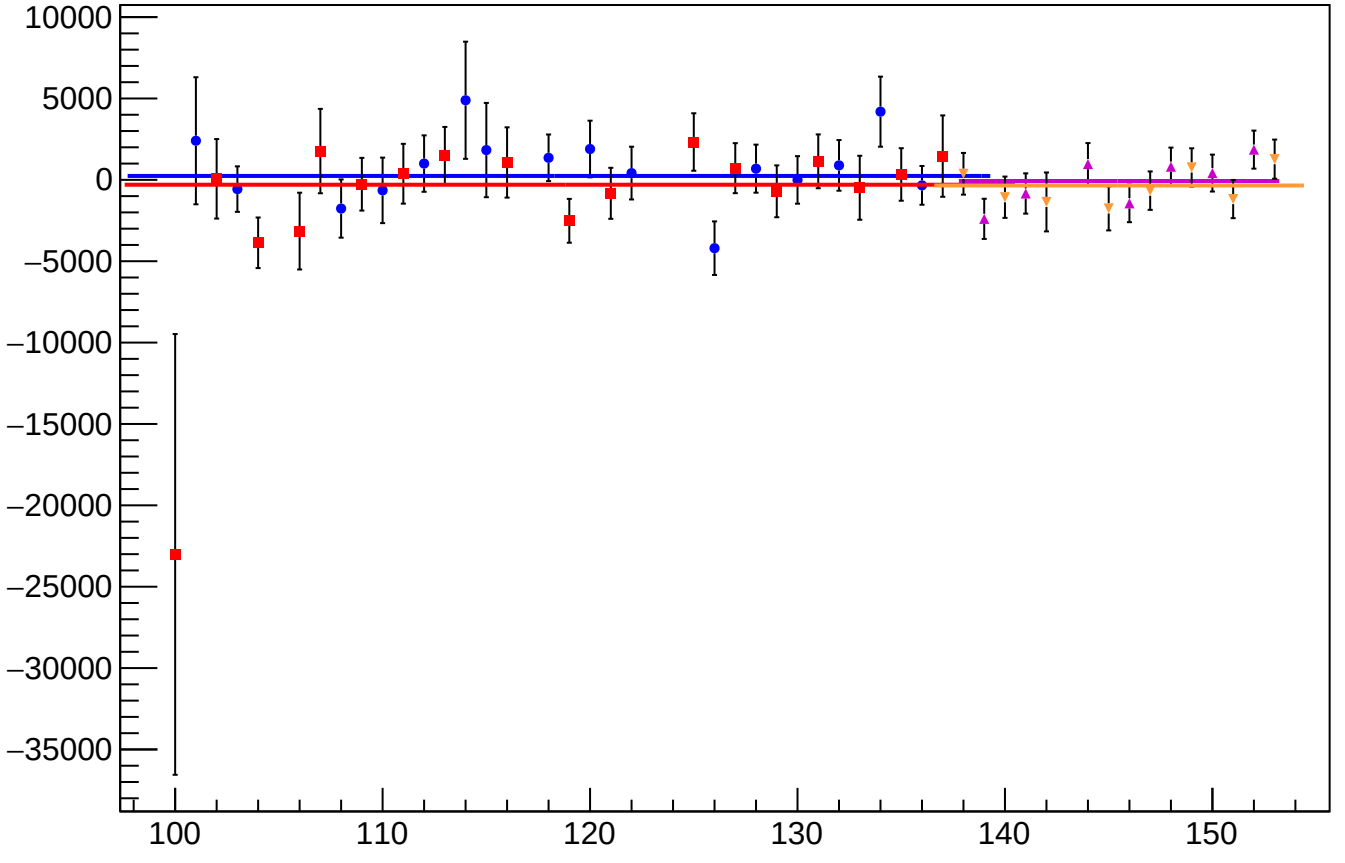
Left In: 455.705+/-0.131 χ^2/NDF:161444.0/6

+ sign 421.417+/-0.085 χ^2/NDF: 2158750.1/23

All: 420.411+/-0.060 χ^2/NDF: 4656449.2/48

- sign 419.401+/-0.085 χ^2/NDF: 2497419.5/24

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -346.925+/-450.060 χ^2/NDF:5.3/7

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

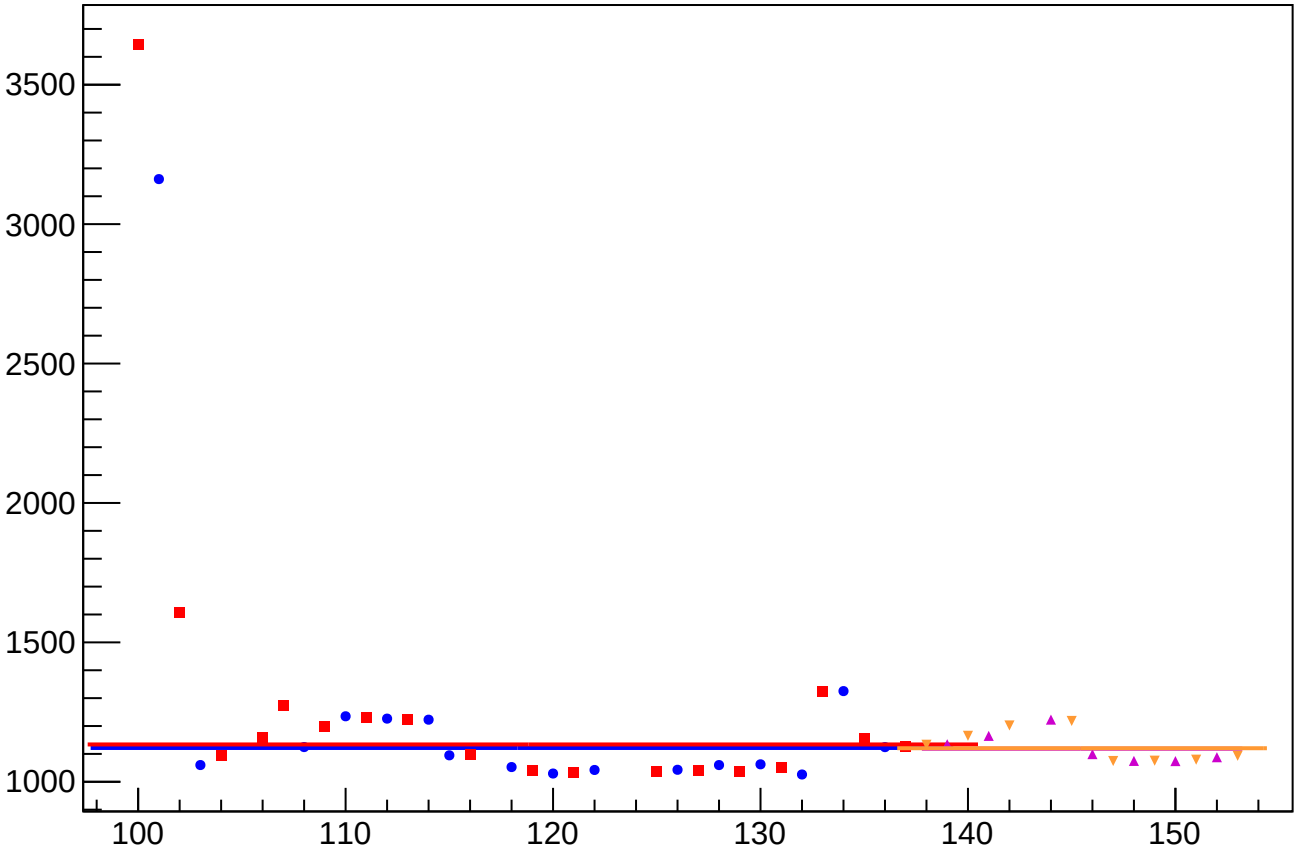
Left In: -69.643+/-451.986 χ^2/NDF:9.5/6

+ sign -37.325+/-309.610 χ^2/NDF: 23.2/23

All: -113.013+/-219.708 χ^2/NDF: 51.6/48

- sign -189.790+/-311.830 χ^2/NDF: 28.3/24

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1120.357+/-0.318 χ^2/NDF:26553.8/7

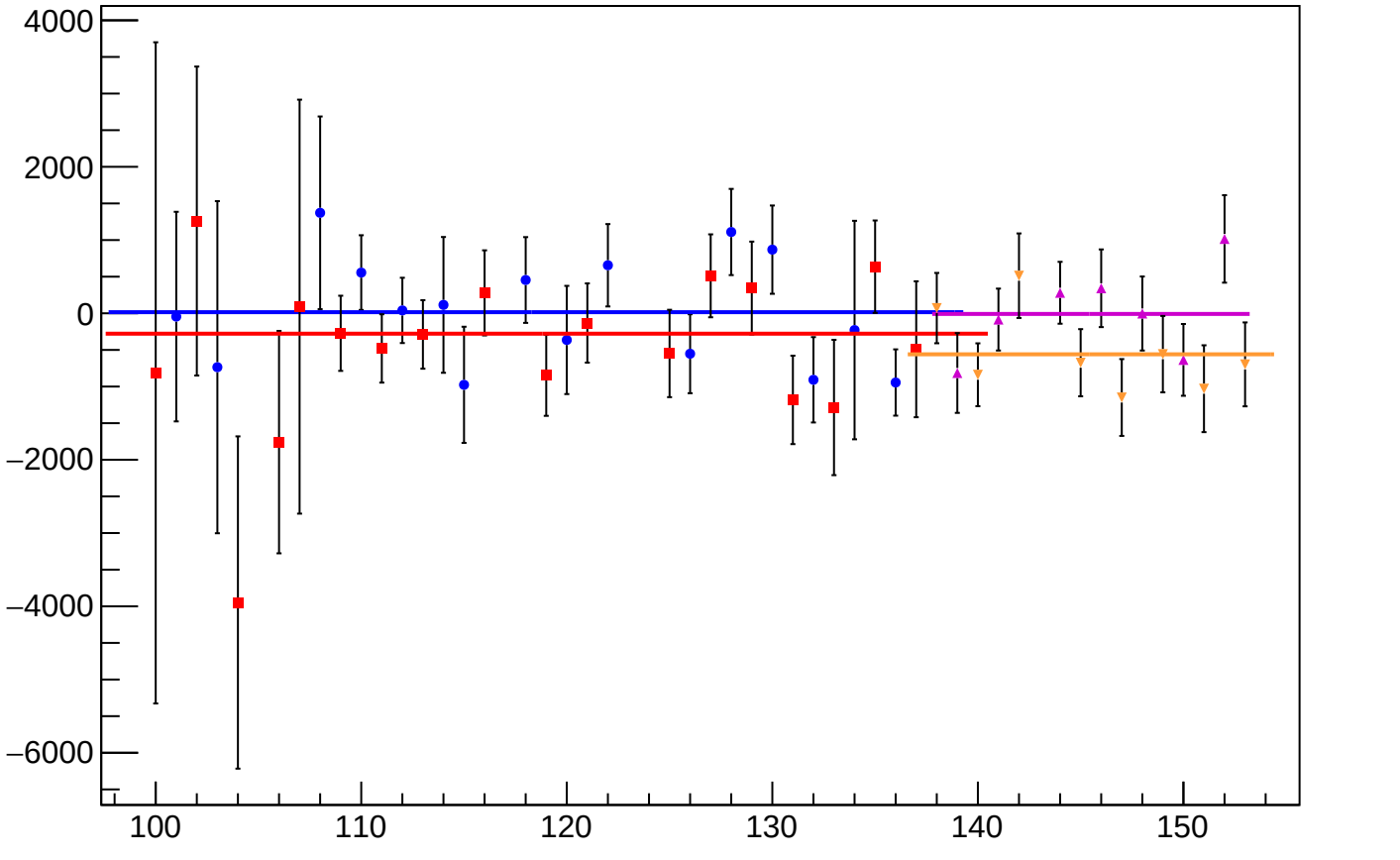
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1118.721+/-0.320 χ^2/NDF:23985.3/6

+ sign 1120.851+/-0.219 χ^2/NDF: 643586.7/23

All: 1123.750+/-0.155 χ^2/NDF: 896568.9/48

- sign 1126.690+/-0.220 χ^2/NDF: 252628.9/24



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -559.737+/-180.336 χ^2/NDF:7.6/7

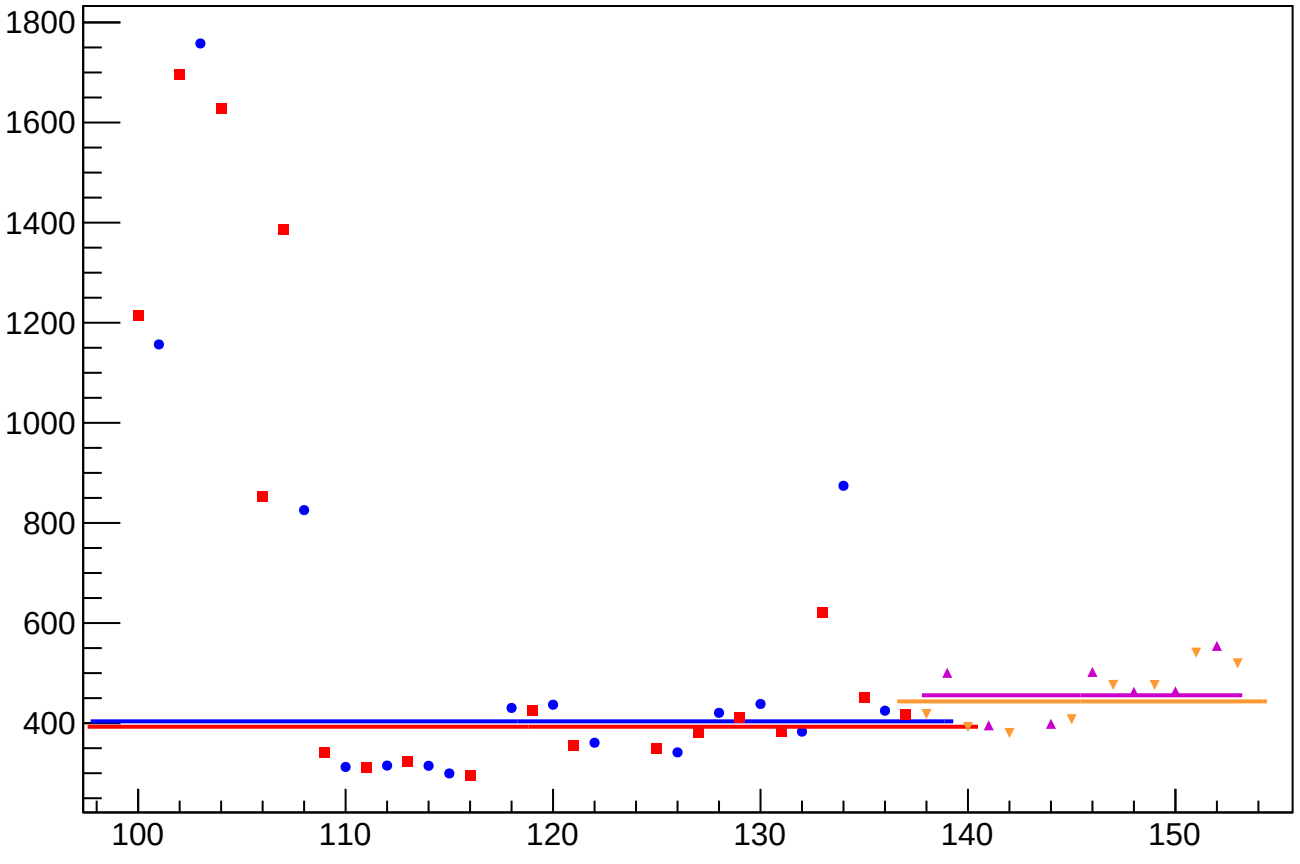
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -8.628+/-185.622 χ^2/NDF:7.7/6

+ sign -241.240+/-120.450 χ^2/NDF: 32.9/23

All: -202.837+/-85.252 χ^2/NDF: 57.1/48

- sign -164.287+/-120.679 χ^2/NDF: 24.0/24



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 443.468+/-0.128 χ^2/NDF:175168.8/7

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

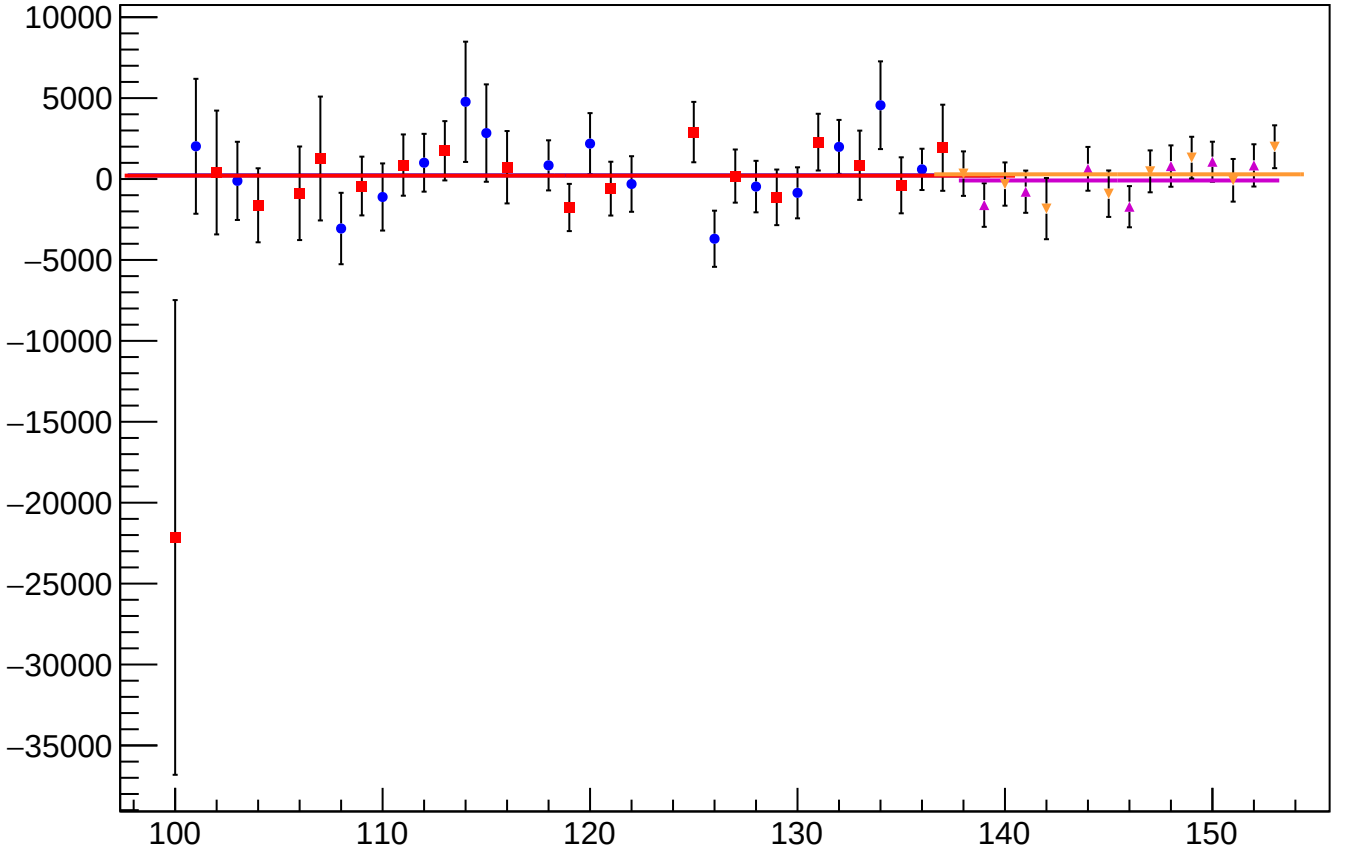
Left In: 455.707+/-0.131 χ^2/NDF:161444.8/6

+ sign 421.415+/-0.085 χ^2/NDF: 2158762.8/23

All: 420.409+/-0.060 χ^2/NDF: 4656490.9/48

- sign 419.399+/-0.085 χ^2/NDF: 2497448.5/24

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 291.583+/-488.054 χ^2/NDF:4.6/7

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

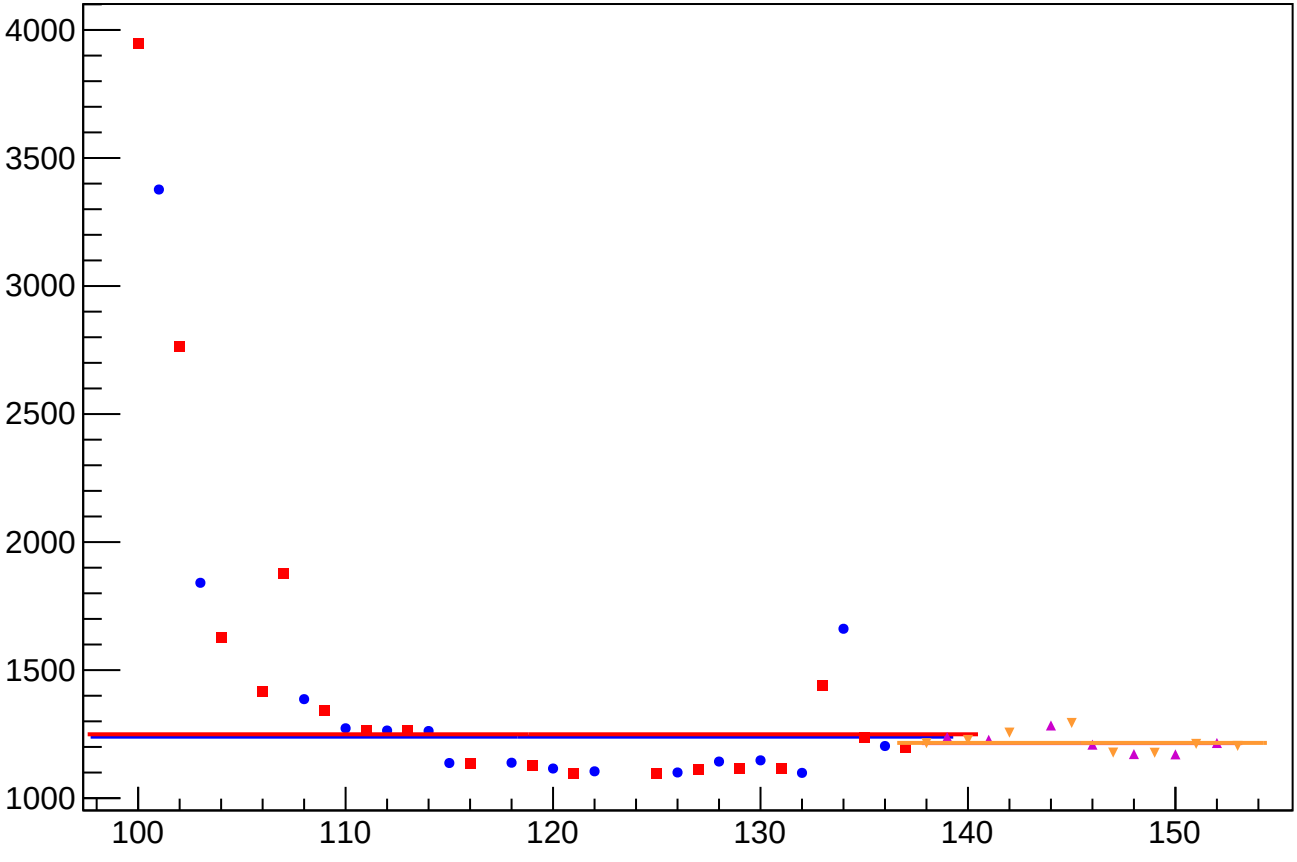
Left In: -88.996+/-490.634 χ^2/NDF:5.3/6

+ sign 257.264+/-340.235 χ^2/NDF: 20.7/23

All: 161.384+/-241.313 χ^2/NDF: 37.3/48

- sign 64.330+/-342.310 χ^2/NDF: 16.5/24

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1215.769+/-0.345 χ^2/NDF:10614.3/7

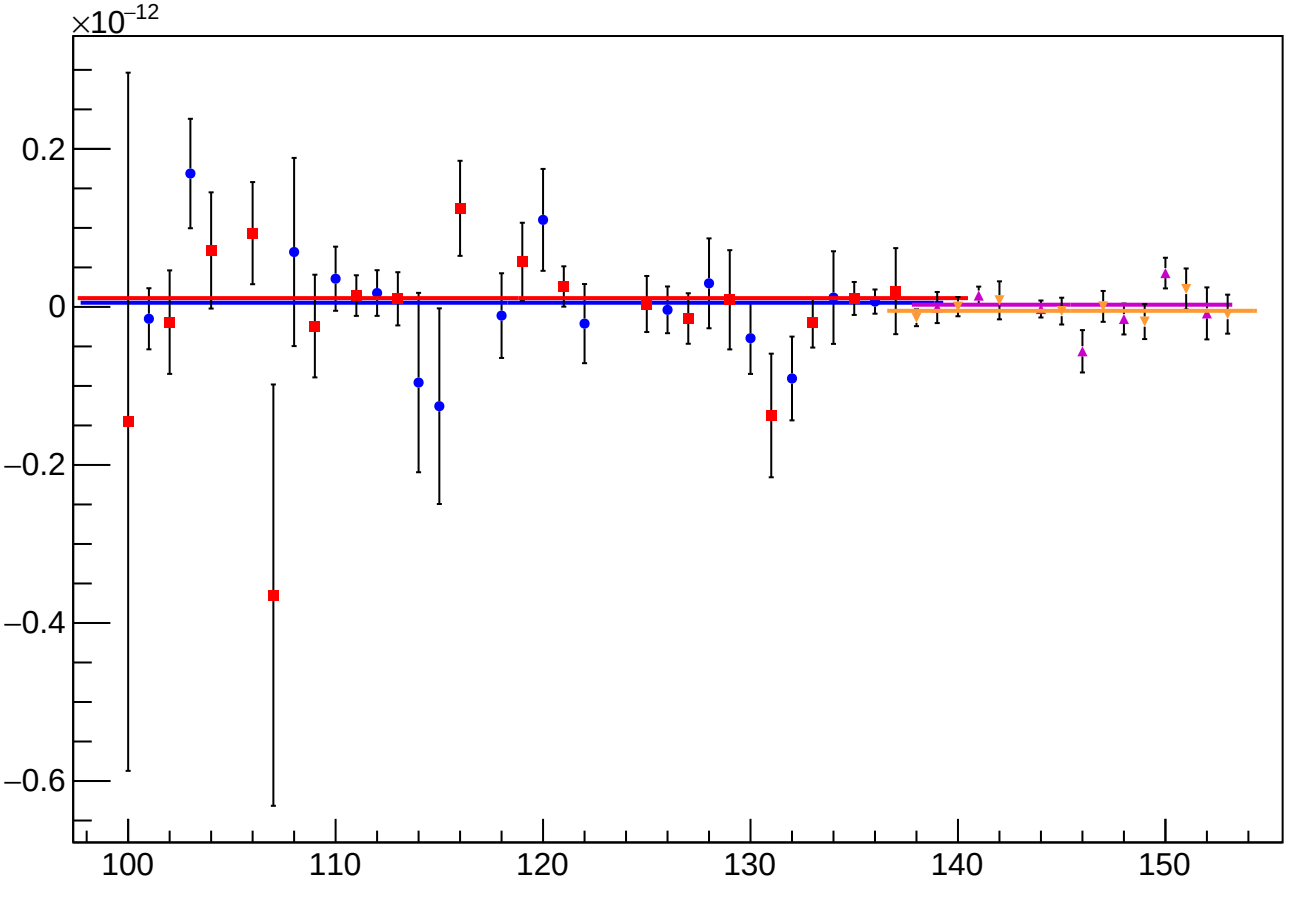
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1215.015+/-0.347 χ^2/NDF:10828.1/6

+ sign 1228.296+/-0.241 χ^2/NDF: 795857.4/23

All: 1230.468+/-0.171 χ^2/NDF: 1417993.5/48

- sign 1232.668+/-0.242 χ^2/NDF: 621972.0/24



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.8/7

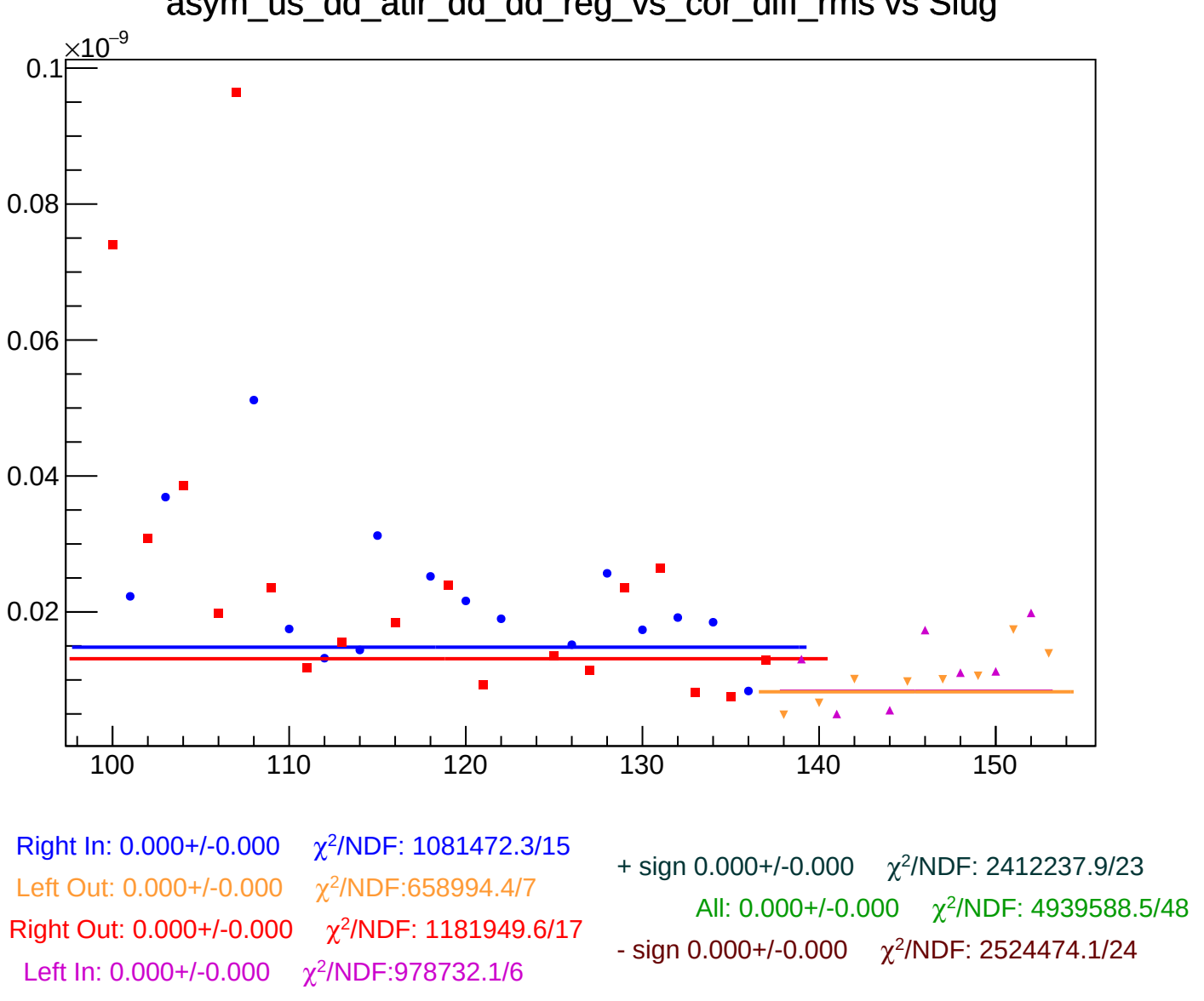
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

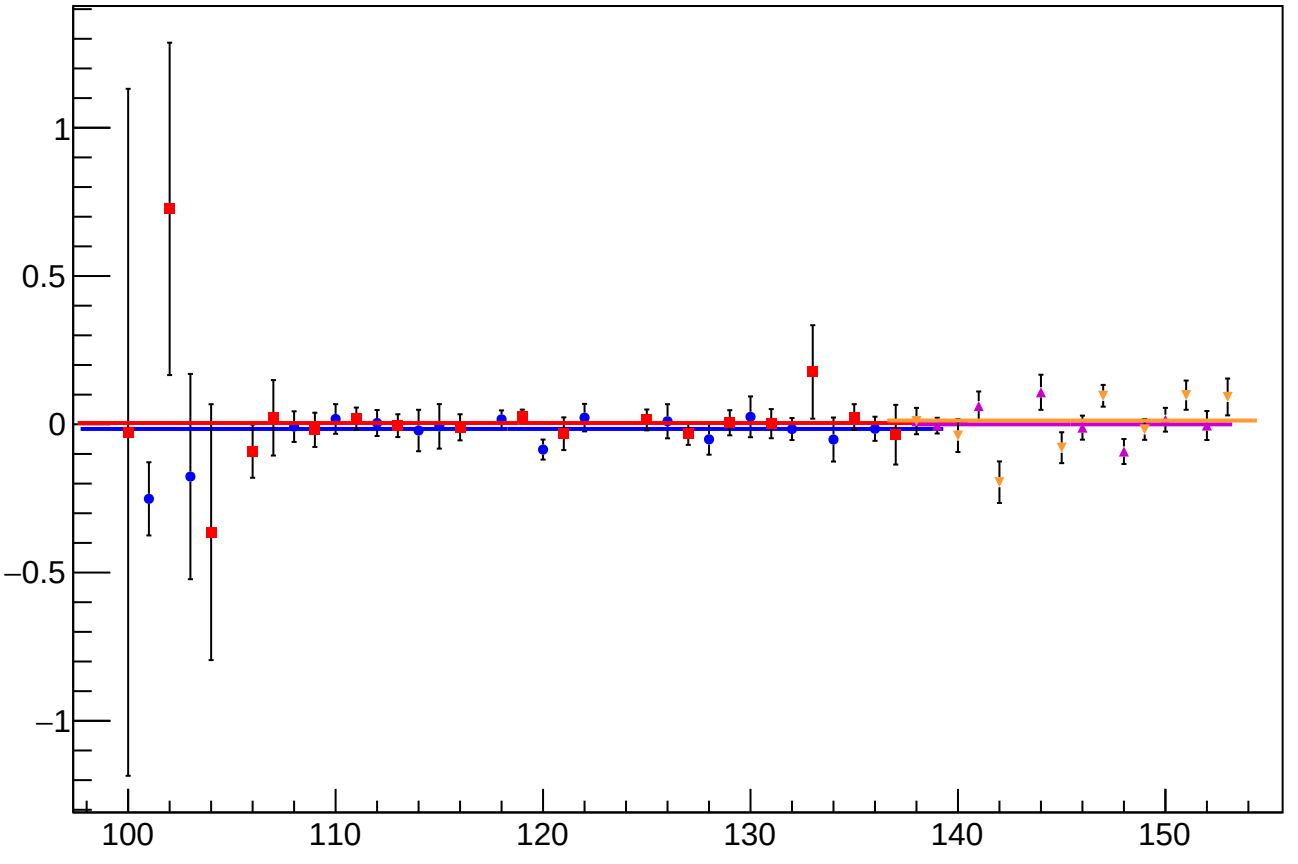
Left In: 0.000+/-0.000 χ^2/NDF:11.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 20.0/23

All: 0.000+/-0.000 χ^2/NDF: 48.0/48

- sign 0.000+/-0.000 χ^2/NDF: 27.0/24


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1081472.3/15
Left Out: 0.000+/-0.000 χ²/NDF:658994.4/7
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:978732.1/6
+ sign 0.000+/-0.000 χ²/NDF: 2412237.9/23
All: 0.000+/-0.000 χ²/NDF: 4939588.5/48
- sign 0.000+/-0.000 χ²/NDF: 2524474.1/24



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.013+/-0.017 χ^2/NDF:23.3/7

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

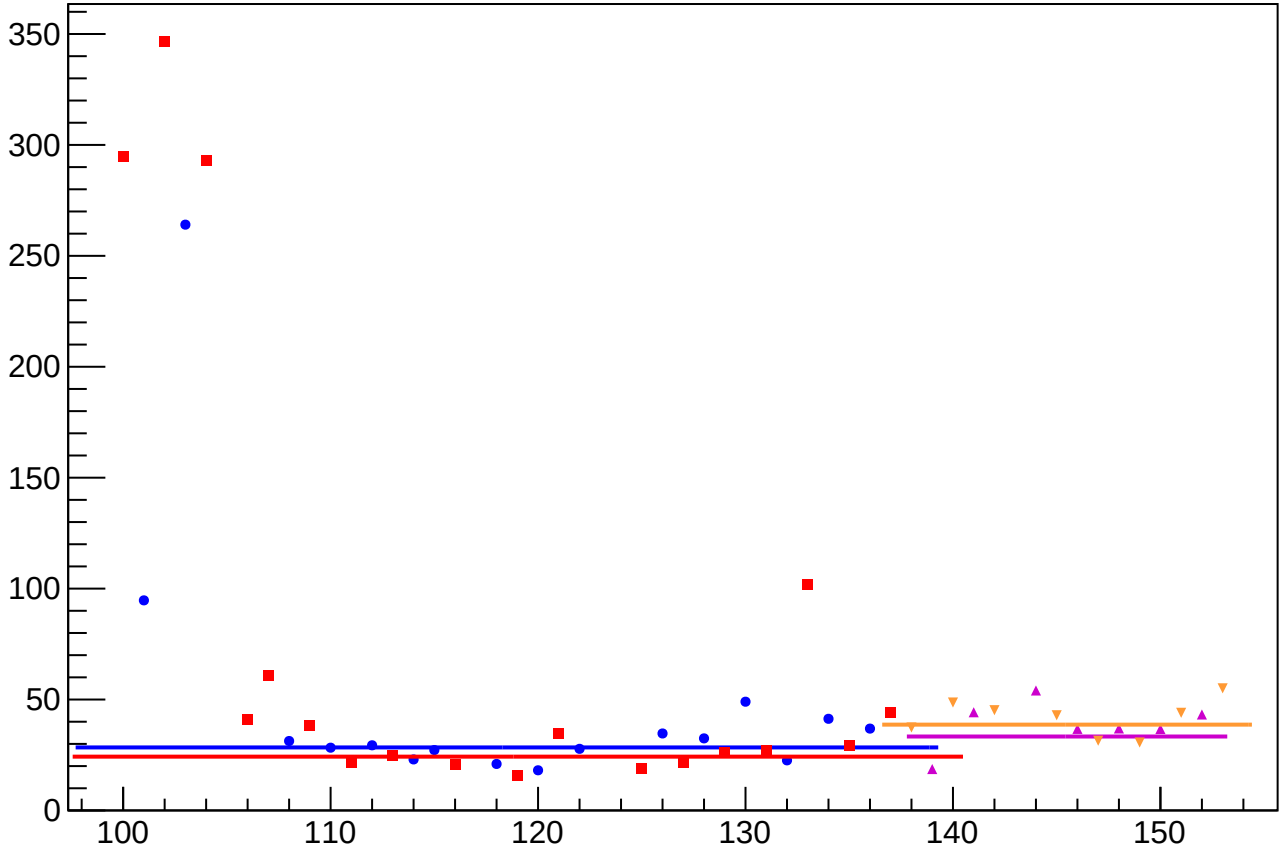
Left In: -0.000+/-0.015 χ^2/NDF:9.9/6

+ sign -0.006+/-0.010 χ^2/NDF: 37.1/23

All: -0.001+/-0.007 χ^2/NDF: 55.3/48

- sign 0.003+/-0.009 χ^2/NDF: 17.8/24

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.684+/-0.012 χ^2/NDF:441938.6/7

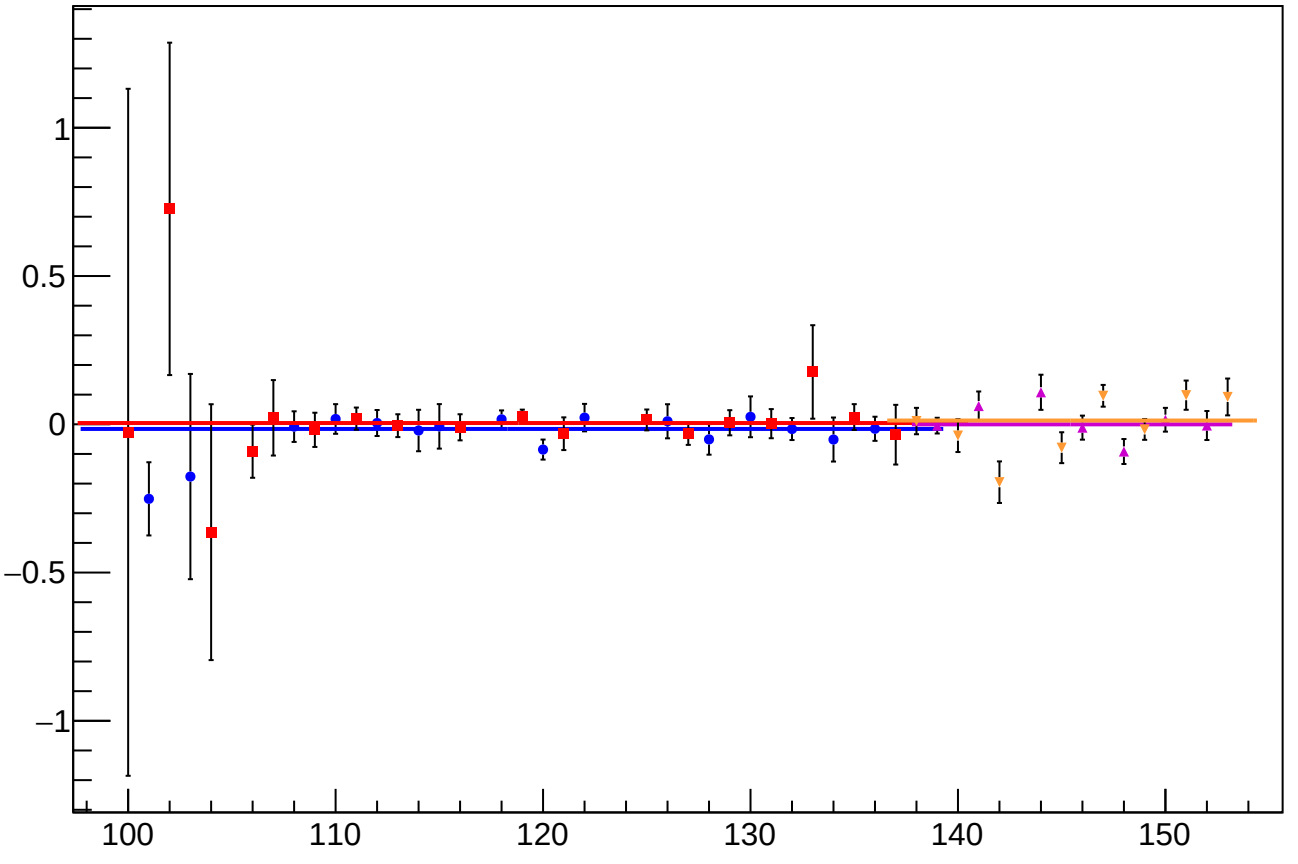
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 33.331+/-0.011 χ^2/NDF:1083130.4/6

+ sign 32.052+/-0.007 χ^2/NDF: 3181533.9/23

All: 29.619+/-0.005 χ^2/NDF: 7858640.5/48

- sign 27.542+/-0.006 χ^2/NDF: 4452566.3/24



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.013+/-0.017 χ^2/NDF:23.3/7

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

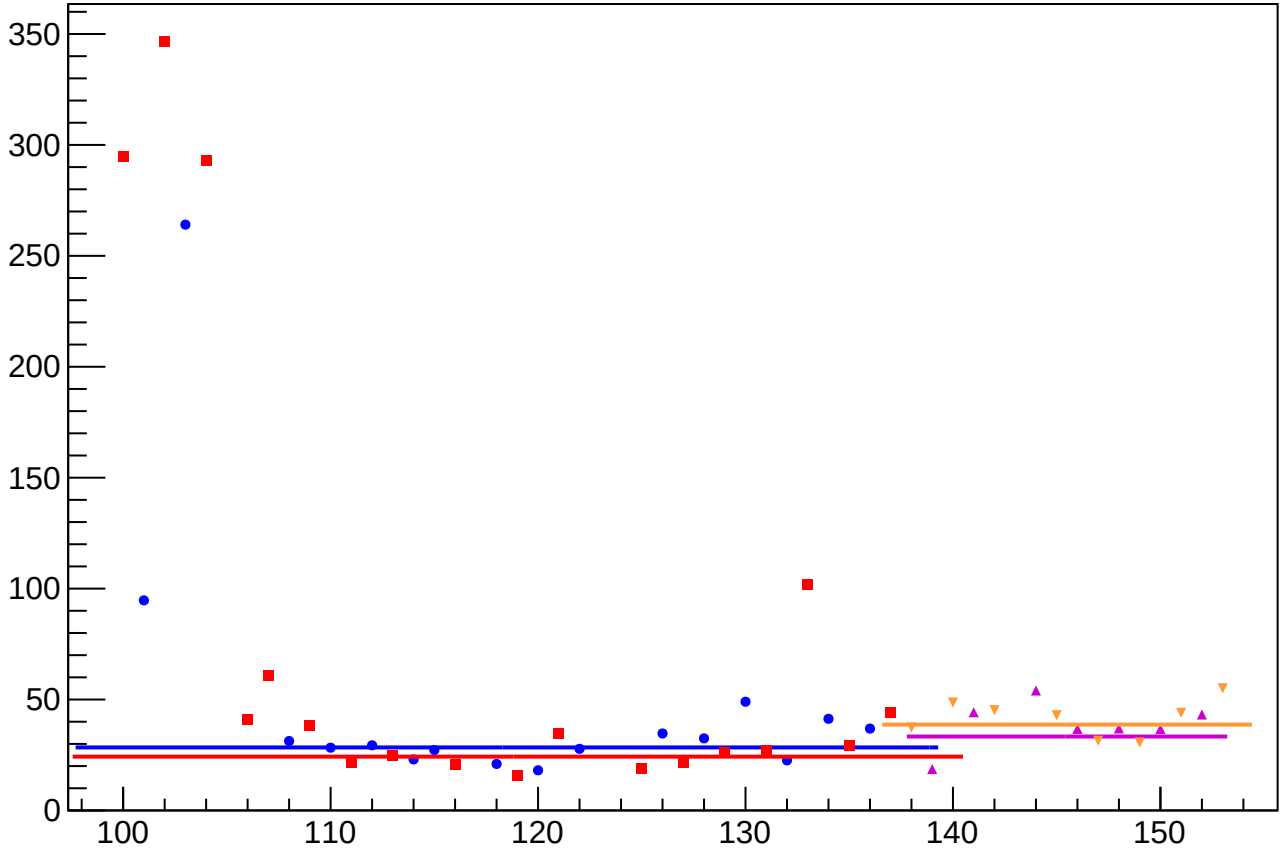
Left In: -0.000+/-0.015 χ^2/NDF:9.9/6

+ sign -0.006+/-0.010 χ^2/NDF: 37.1/23

All: -0.001+/-0.007 χ^2/NDF: 55.3/48

- sign 0.003+/-0.009 χ^2/NDF: 17.8/24

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.684+/-0.012 χ^2/NDF:441938.6/7

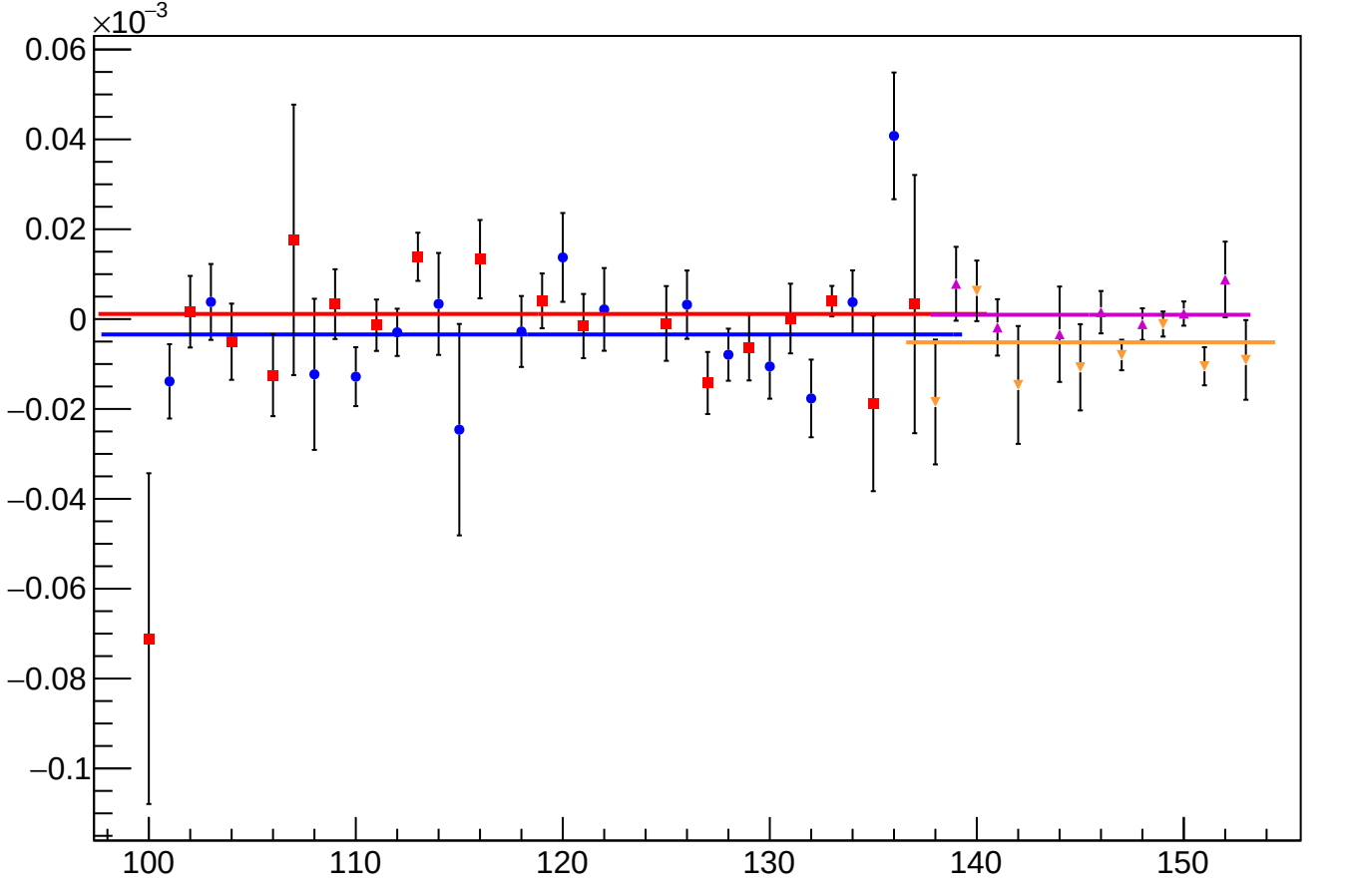
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 33.331+/-0.011 χ^2/NDF:1083130.4/6

+ sign 32.052+/-0.007 χ^2/NDF: 3181533.9/23

All: 29.619+/-0.005 χ^2/NDF: 7858640.5/48

- sign 27.542+/-0.006 χ^2/NDF: 4452566.3/24



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/7

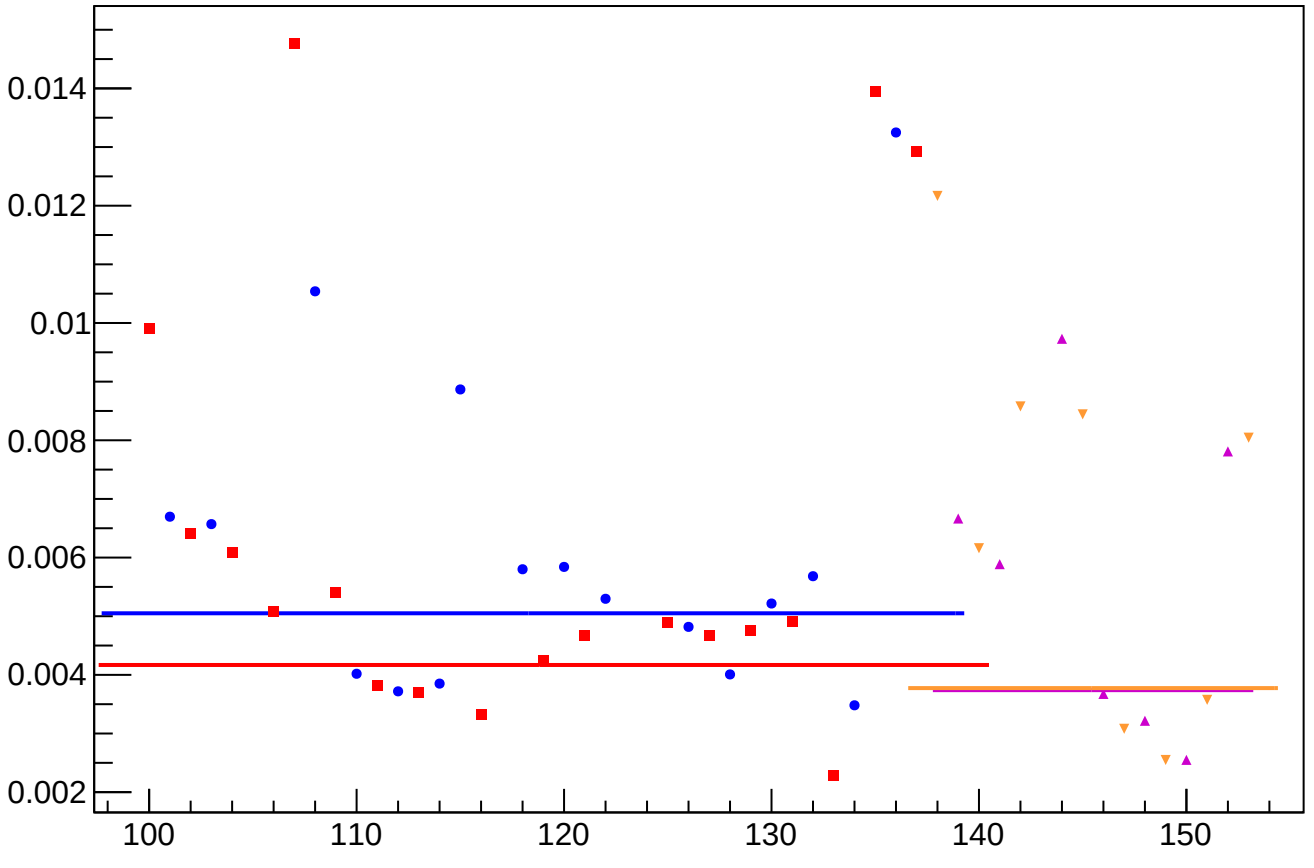
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:2.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 34.8/23

All: -0.000+/-0.000 χ^2/NDF: 69.4/48

- sign 0.000+/-0.000 χ^2/NDF: 25.3/24



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2660530.0/7

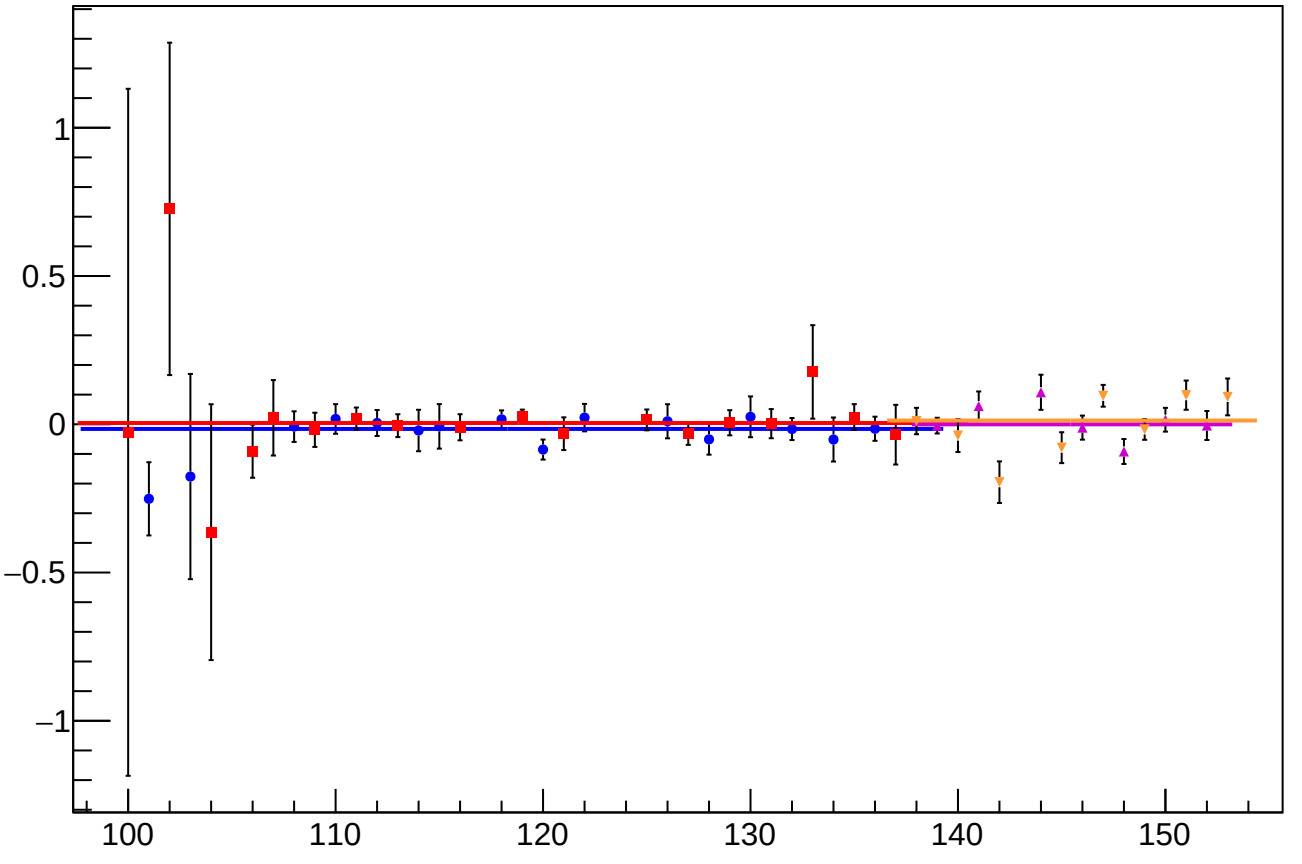
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:2026497.0/6

+ sign 0.004+/-0.000 χ^2/NDF: 4609749.4/23

All: 0.004+/-0.000 χ^2/NDF: 8819524.3/48

- sign 0.004+/-0.000 χ^2/NDF: 4130354.1/24



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.013+/-0.017 χ^2/NDF:23.3/7

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

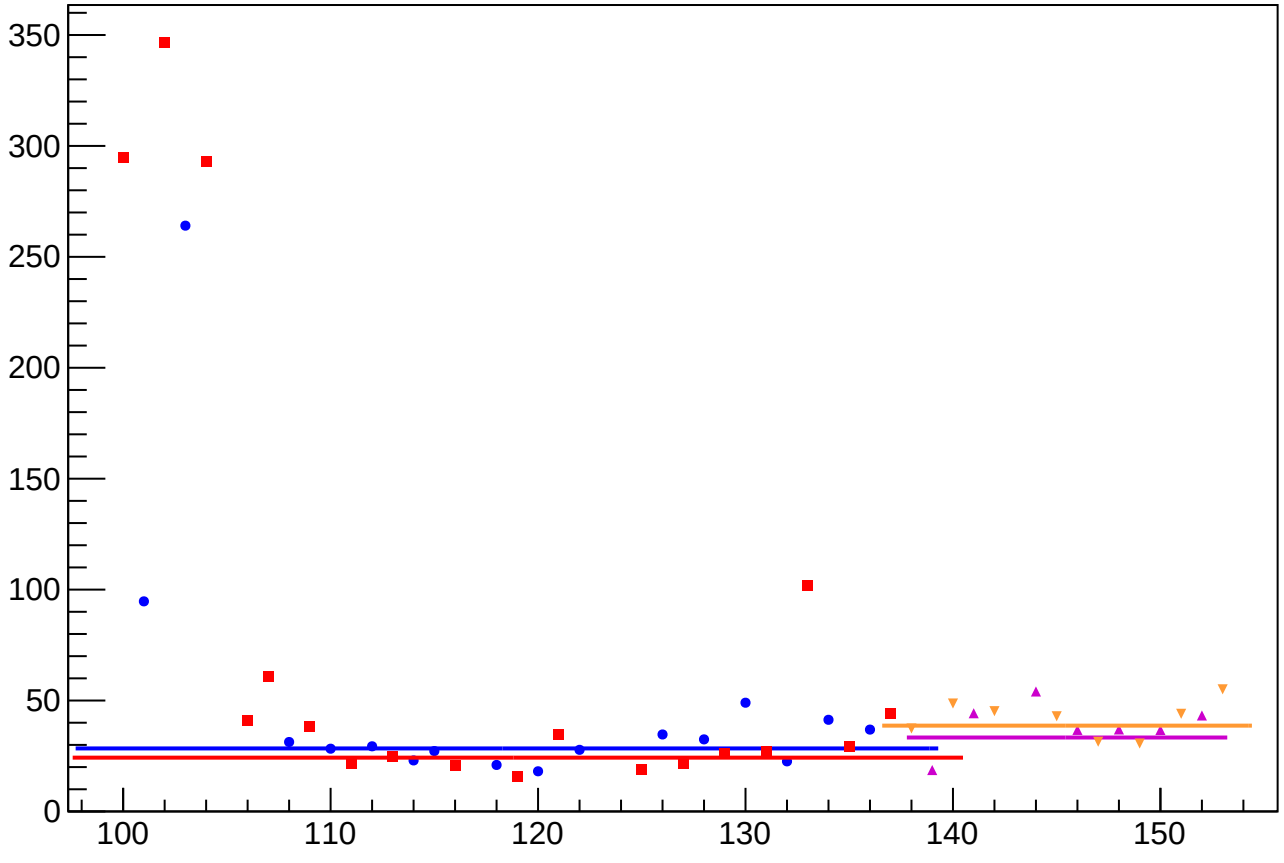
Left In: -0.000+/-0.015 χ^2/NDF:9.9/6

+ sign -0.006+/-0.010 χ^2/NDF: 37.1/23

All: -0.001+/-0.007 χ^2/NDF: 55.3/48

- sign 0.003+/-0.009 χ^2/NDF: 17.8/24

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.683+/-0.012 χ^2/NDF:442139.9/7

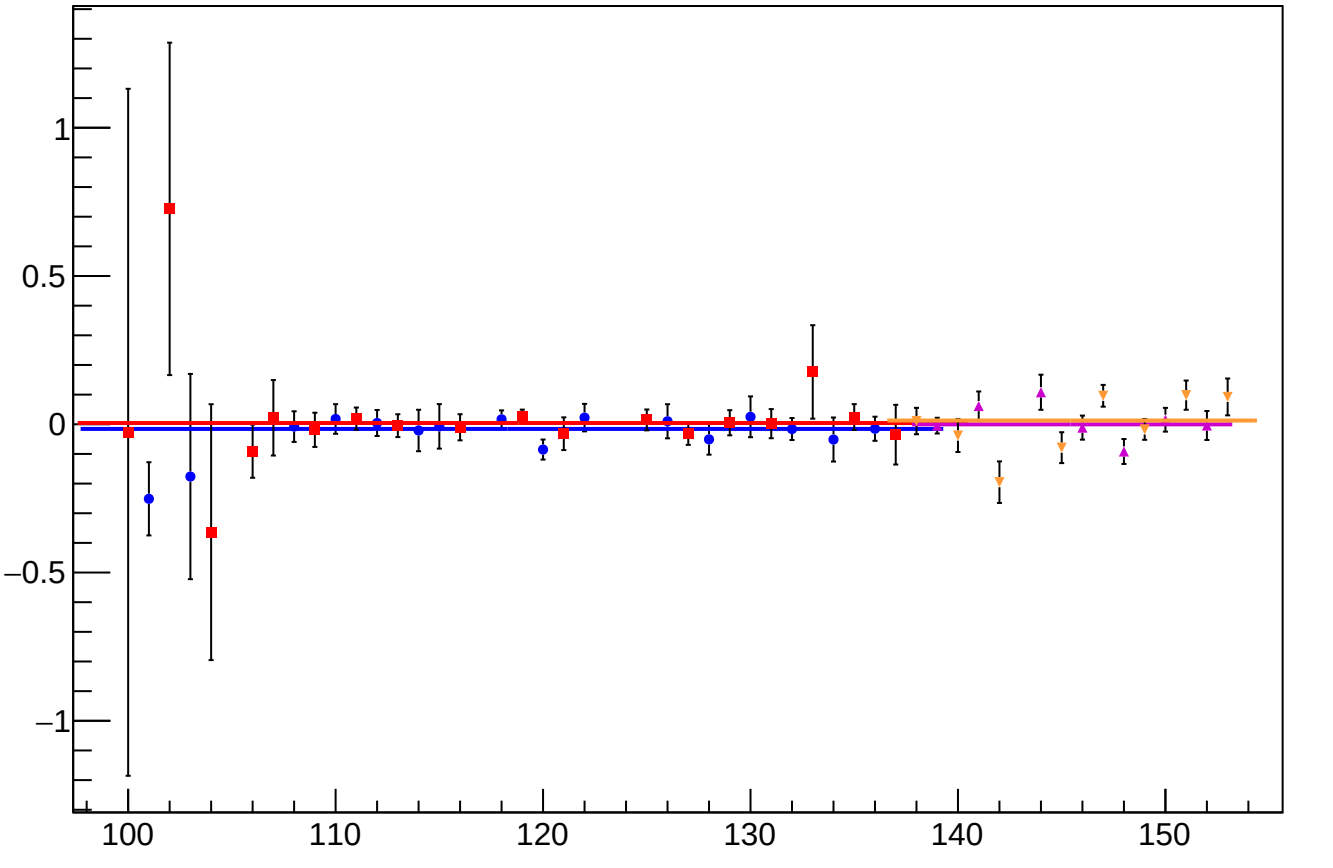
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 33.329+/-0.011 χ^2/NDF:1083542.6/6

+ sign 32.052+/-0.007 χ^2/NDF: 3181671.2/23

All: 29.618+/-0.005 χ^2/NDF: 7859565.8/48

- sign 27.540+/-0.006 χ^2/NDF: 4453196.5/24



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.013+/-0.017 χ^2/NDF:23.3/7

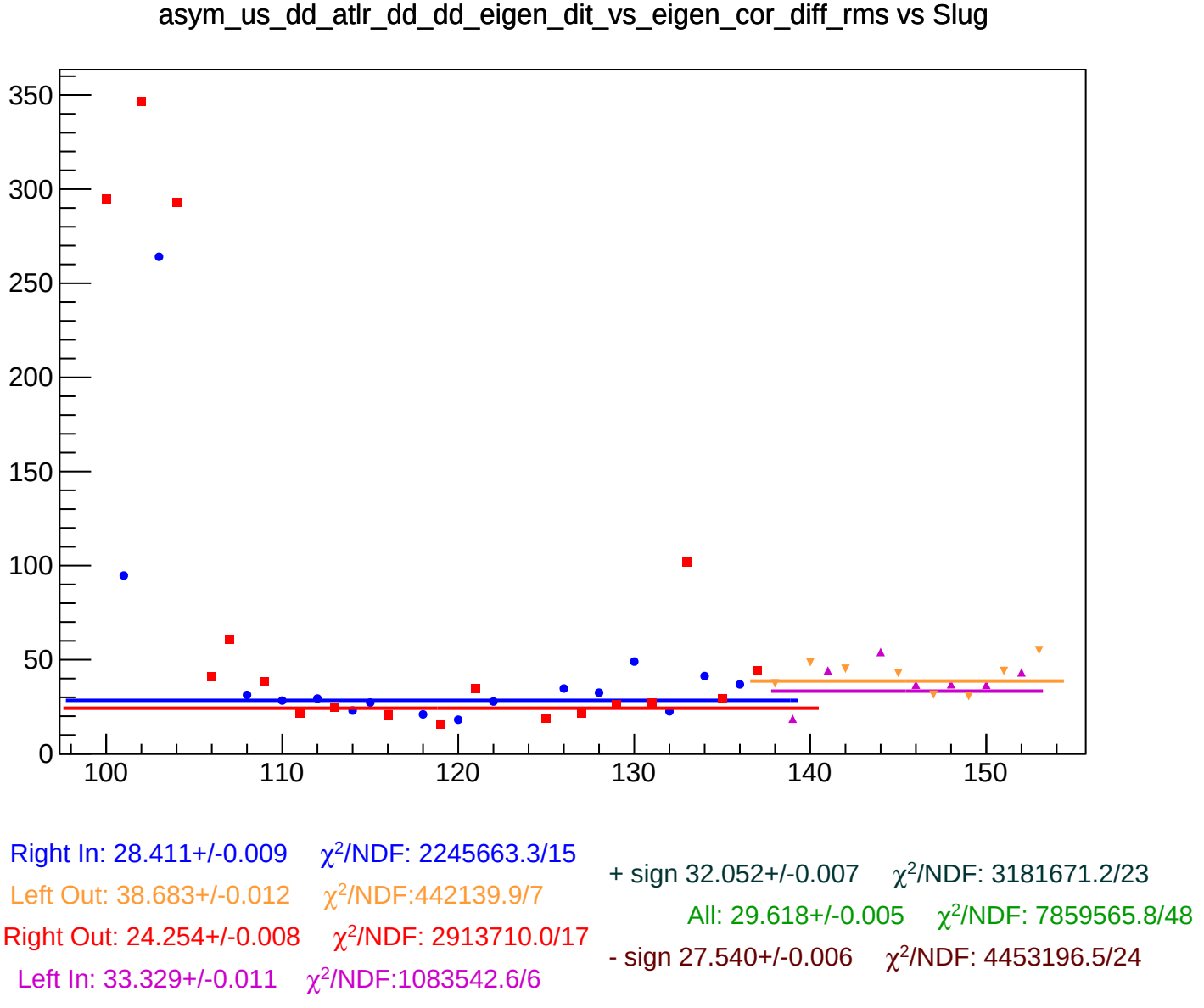
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

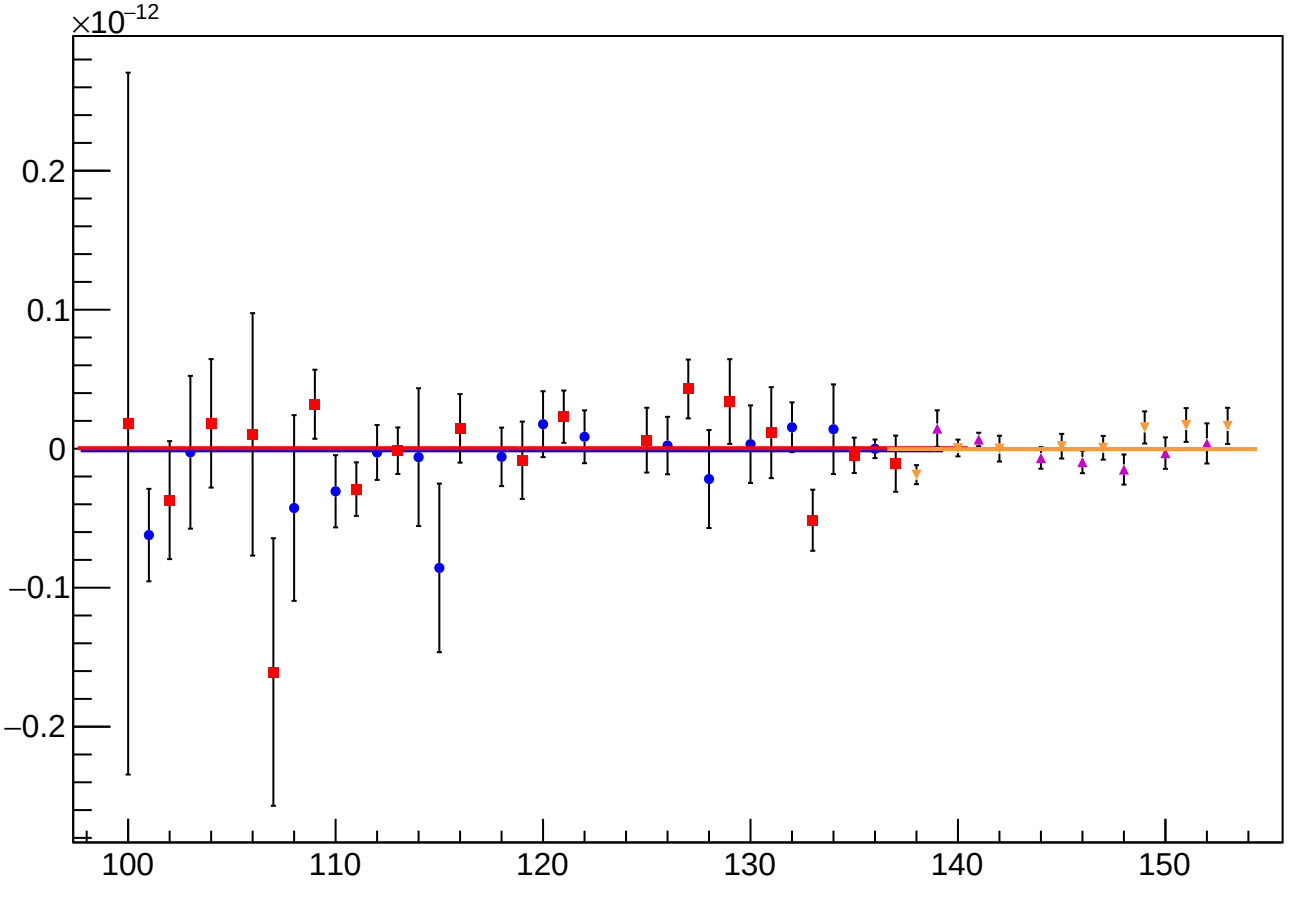
Left In: -0.000+/-0.015 χ^2/NDF:9.9/6

+ sign -0.006+/-0.010 χ^2/NDF: 37.1/23

All: -0.001+/-0.007 χ^2/NDF: 55.3/48

- sign 0.003+/-0.009 χ^2/NDF: 17.8/24


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 38.683+/-0.012 χ²/NDF:442139.9/7
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 33.329+/-0.011 χ²/NDF:1083542.6/6
+ sign 32.052+/-0.007 χ²/NDF: 3181671.2/23
All: 29.618+/-0.005 χ²/NDF: 7859565.8/48
- sign 27.540+/-0.006 χ²/NDF: 4453196.5/24



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/7

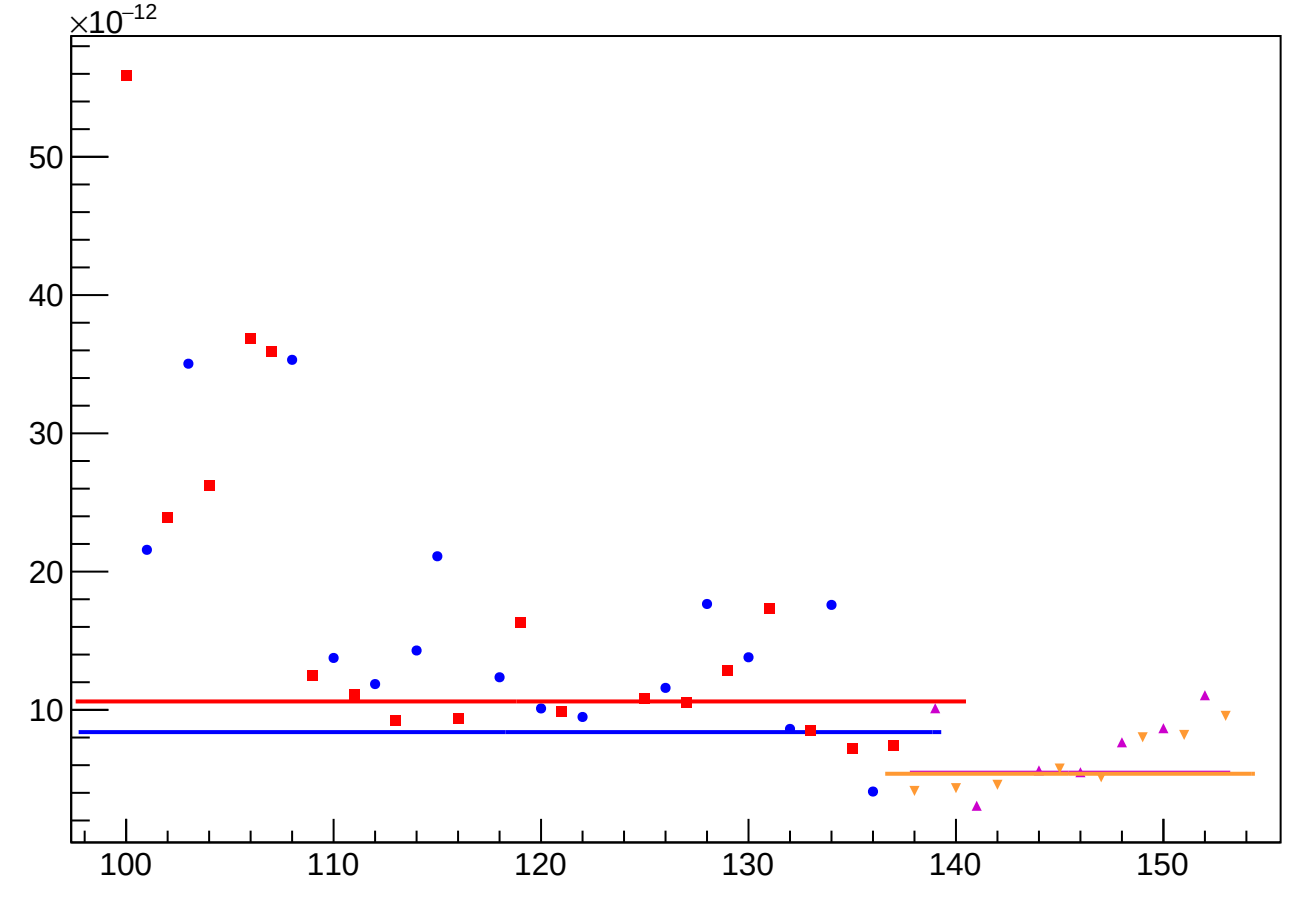
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:7.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.3/23

All: -0.000+/-0.000 χ^2/NDF: 50.6/48

- sign -0.000+/-0.000 χ^2/NDF: 28.3/24



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:564037.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

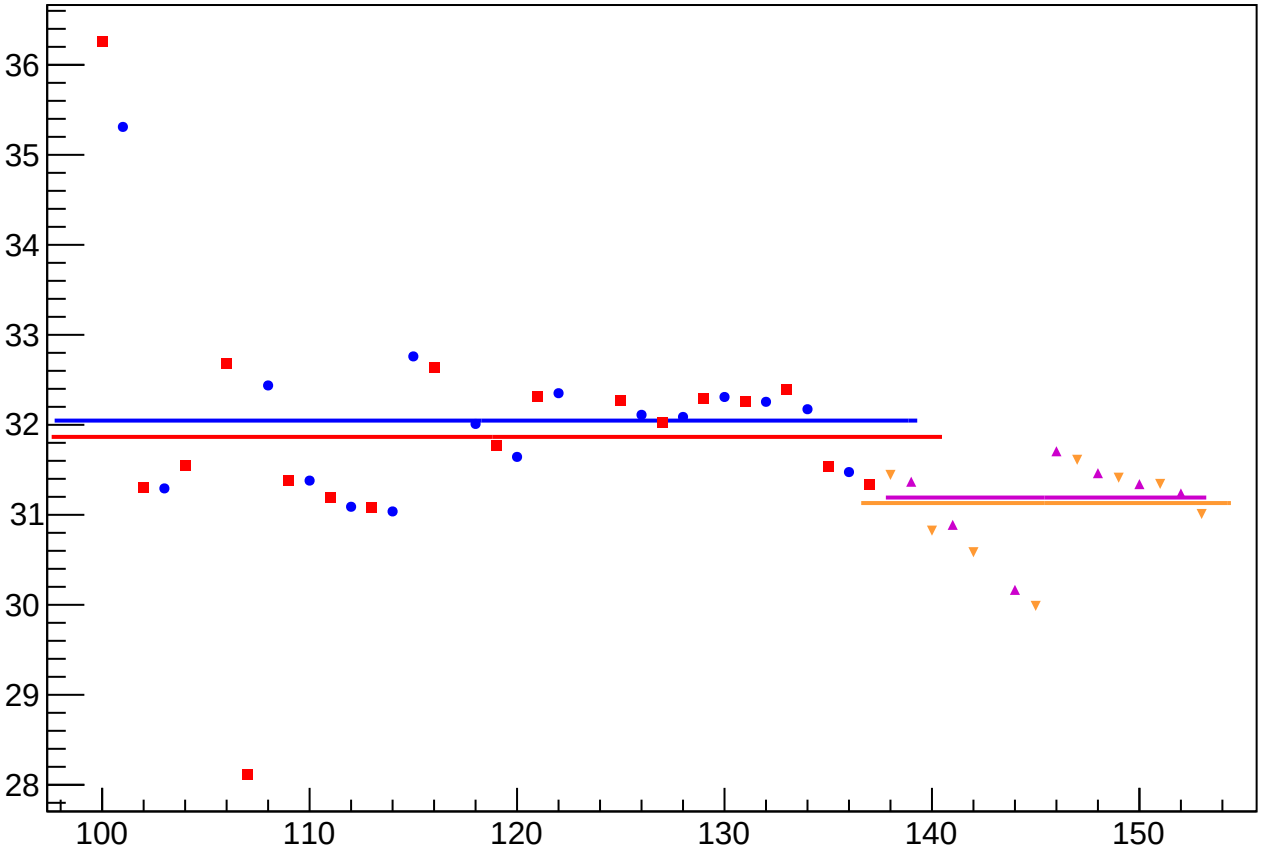
Left In: 0.000+/-0.000 χ^2/NDF:1281593.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 3838696.4/23

All: 0.000+/-0.000 χ^2/NDF: 7661751.6/48

- sign 0.000+/-0.000 χ^2/NDF: 3796068.0/24

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.131+/-0.000 χ^2/NDF:185894561.6/7

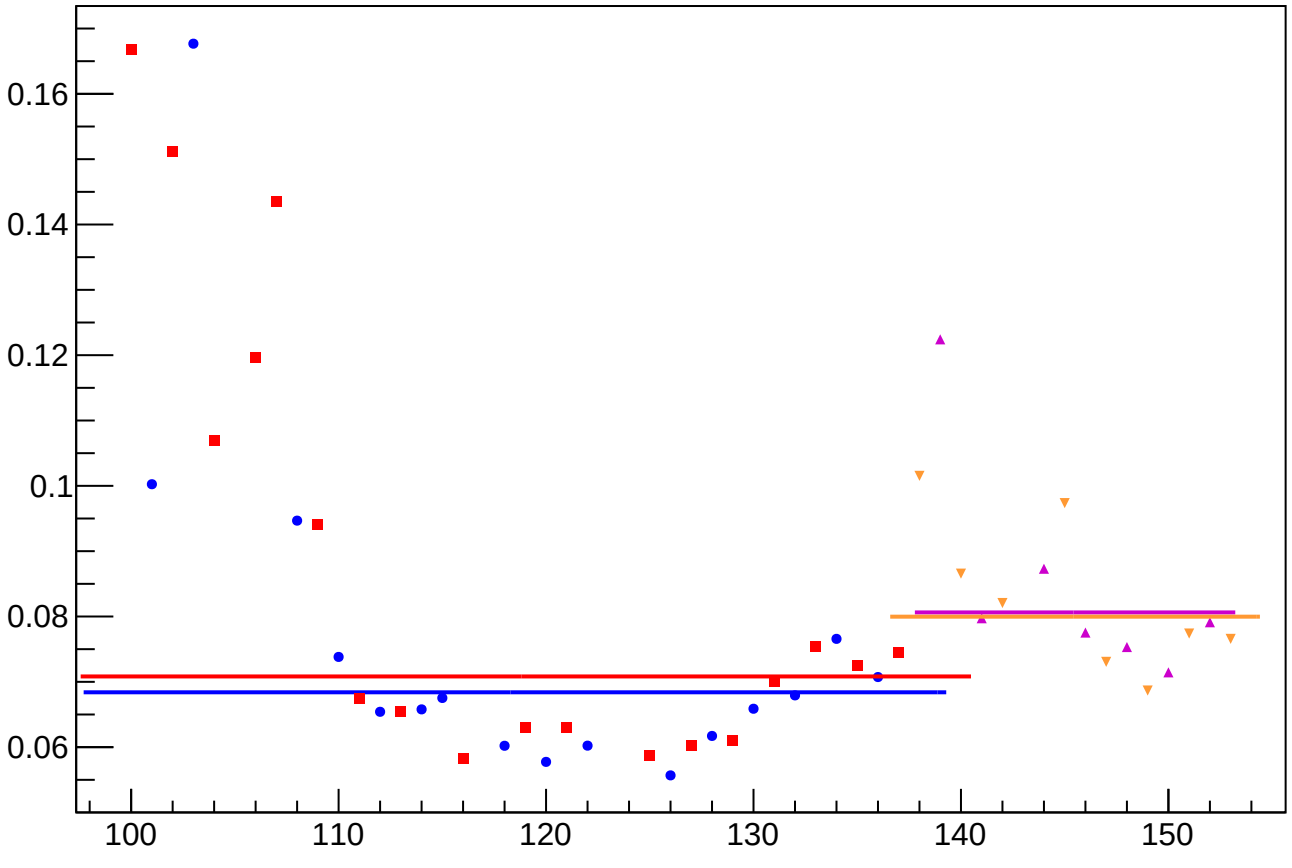
Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.192+/-0.000 χ^2/NDF:171589869.4/6

+ sign 31.689+/-0.000 χ^2/NDF: 1523680820.6/23

All: 31.644+/-0.000 χ^2/NDF: 2416181197.7/4

- sign 31.596+/-0.000 χ^2/NDF: 883333909.9/24



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.080+/-0.000 χ^2/NDF:180253.6/7

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

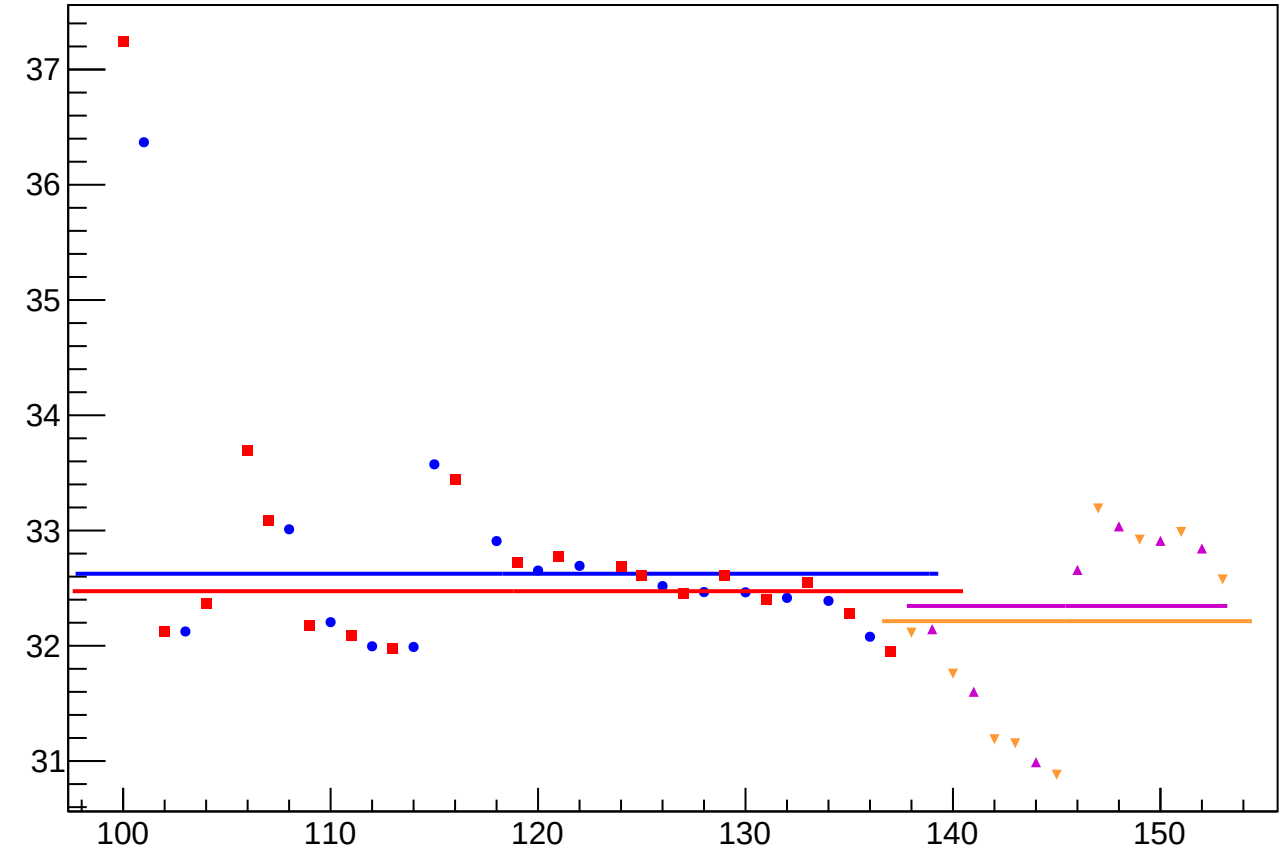
Left In: 0.081+/-0.000 χ^2/NDF:231013.9/6

+ sign 0.073+/-0.000 χ^2/NDF: 1023680.8/23

All: 0.074+/-0.000 χ^2/NDF: 2225513.3/48

- sign 0.075+/-0.000 χ^2/NDF: 1194738.2/24

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.214+/-0.000 χ^2/NDF:734422393.9/8

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

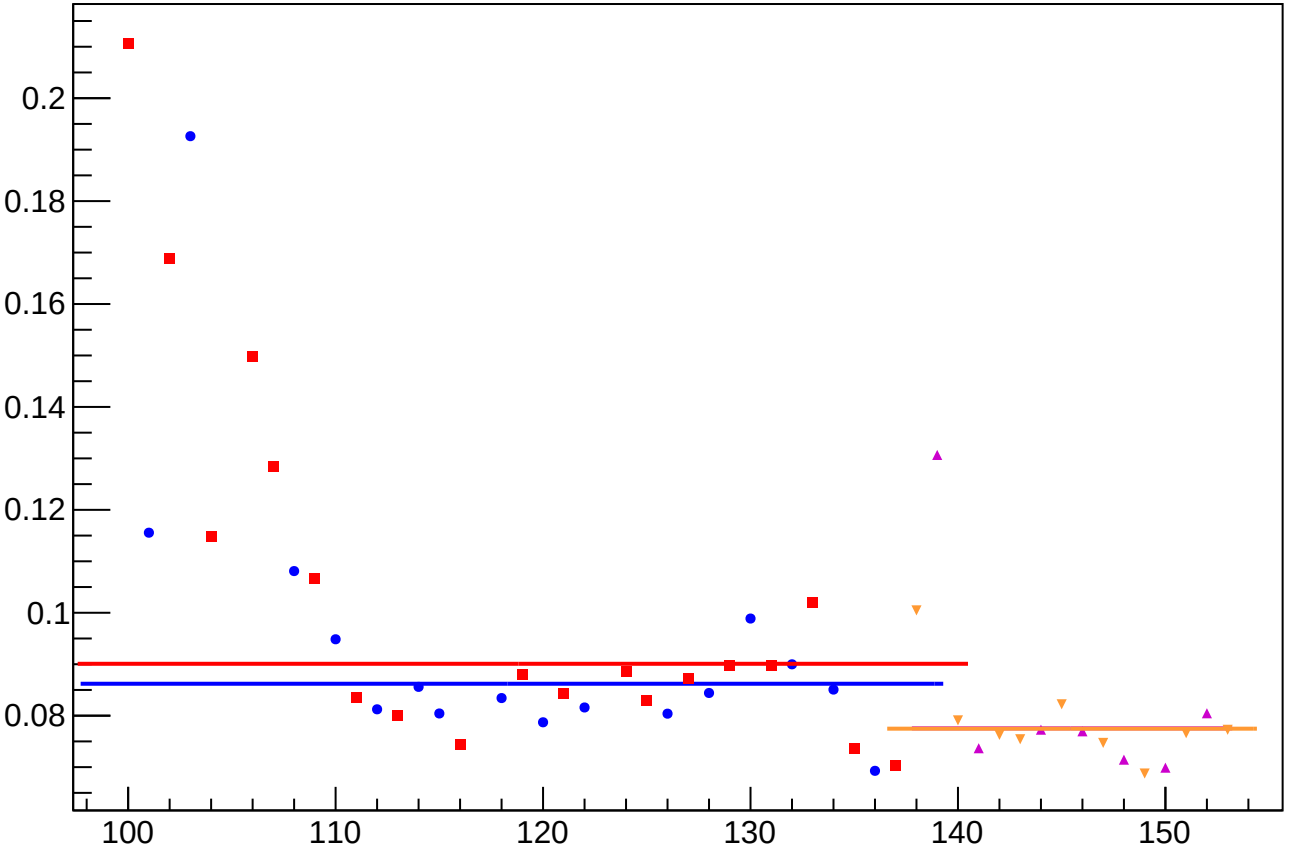
Left In: 32.345+/-0.000 χ^2/NDF:508191885.9/6

+ sign 32.397+/-0.000 χ^2/NDF: 1552627623.0/24

All: 32.401+/-0.000 χ^2/NDF: 2224649782.2/5

- sign 32.405+/-0.000 χ^2/NDF: 671971778.4/25

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:109119.6/8

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

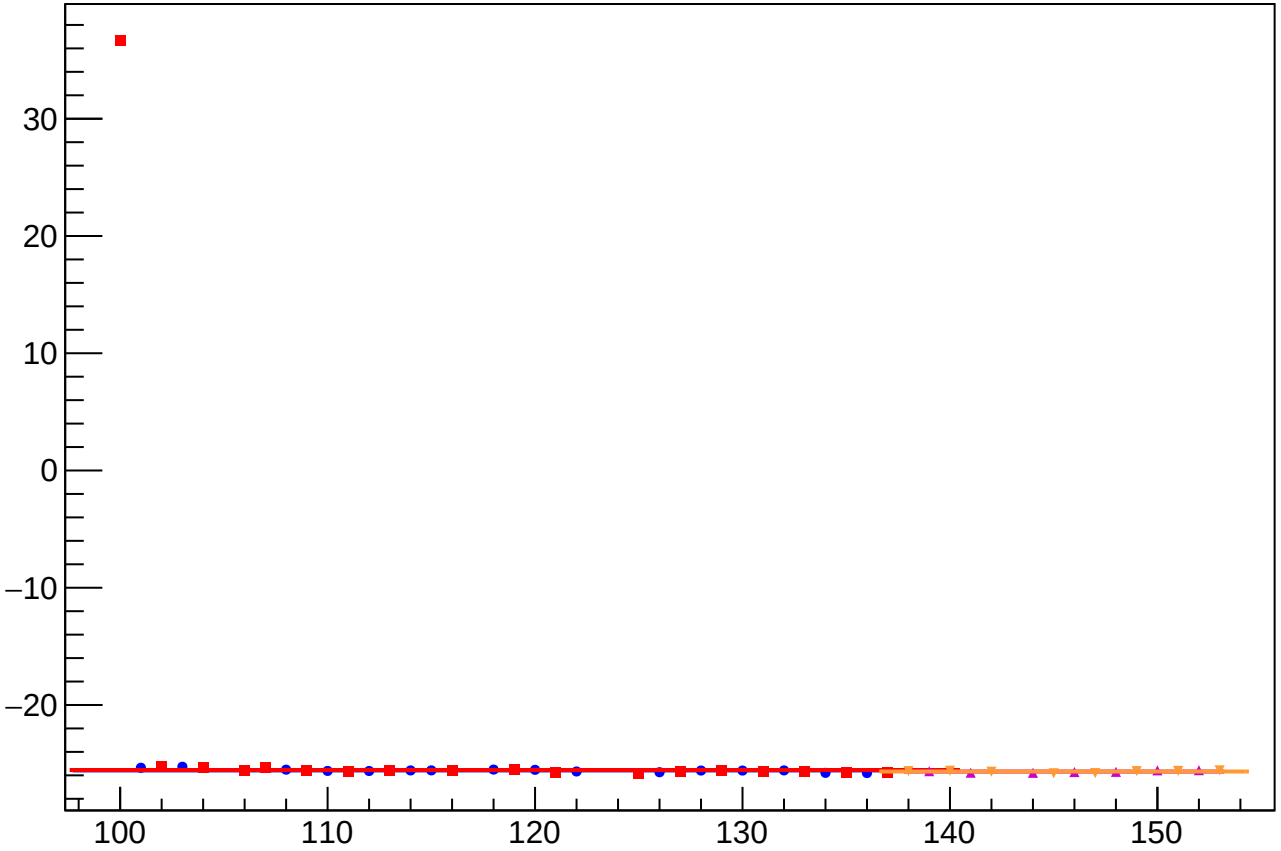
Left In: 0.078+/-0.000 χ^2/NDF:307926.3/6

+ sign 0.081+/-0.000 χ^2/NDF: 779067.5/24

All: 0.082+/-0.000 χ^2/NDF: 1849863.3/50

- sign 0.083+/-0.000 χ^2/NDF: 1063716.9/25

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.672+/-0.000 χ^2/NDF:25550241.5/7

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

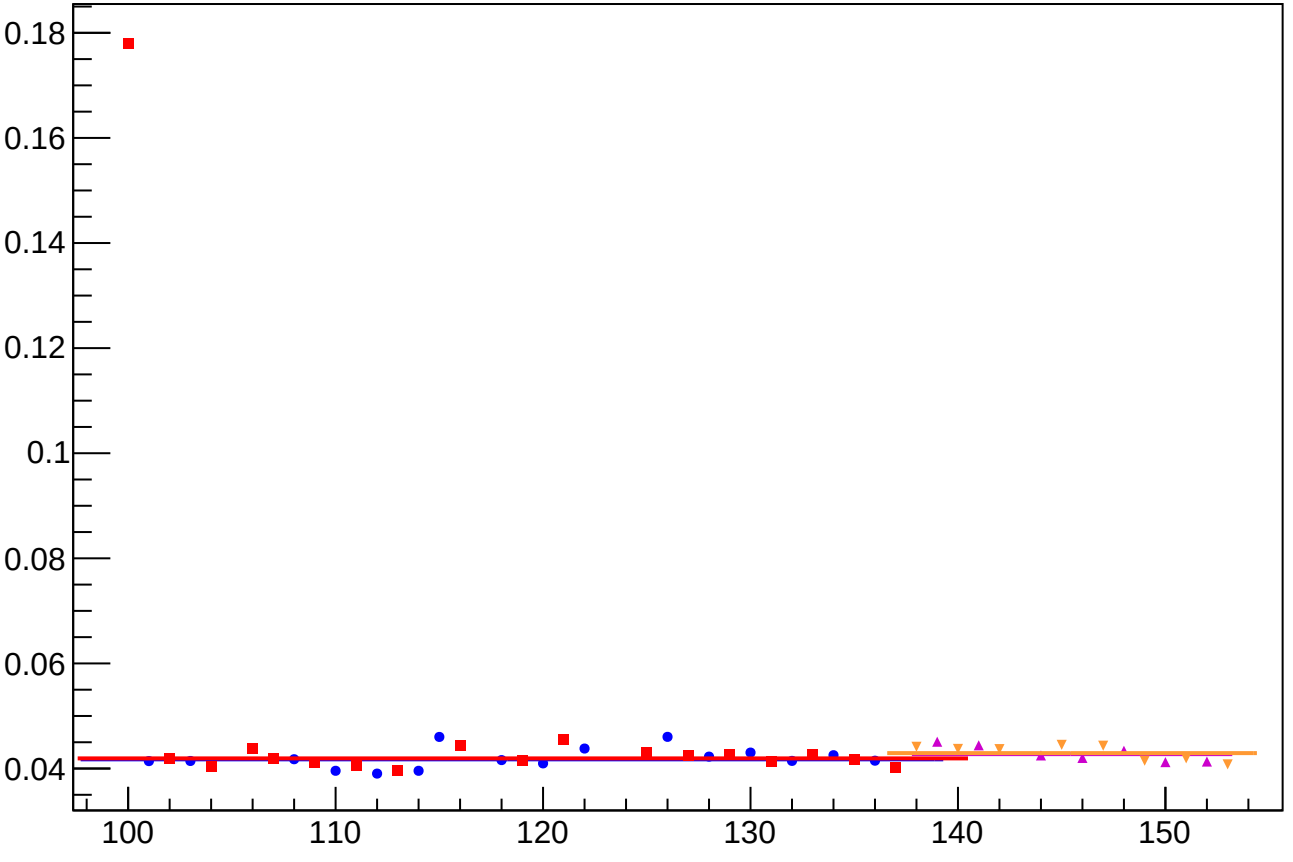
Left In: -25.677+/-0.000 χ^2/NDF:23781266.9/6

+ sign -25.620+/-0.000 χ^2/NDF: 139740786.1/23

All: -25.612+/-0.000 χ^2/NDF: 9104780130.8/

- sign -25.603+/-0.000 χ^2/NDF: 8963933385.4/24

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.043+/-0.000 χ^2/NDF:13077.2/7

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

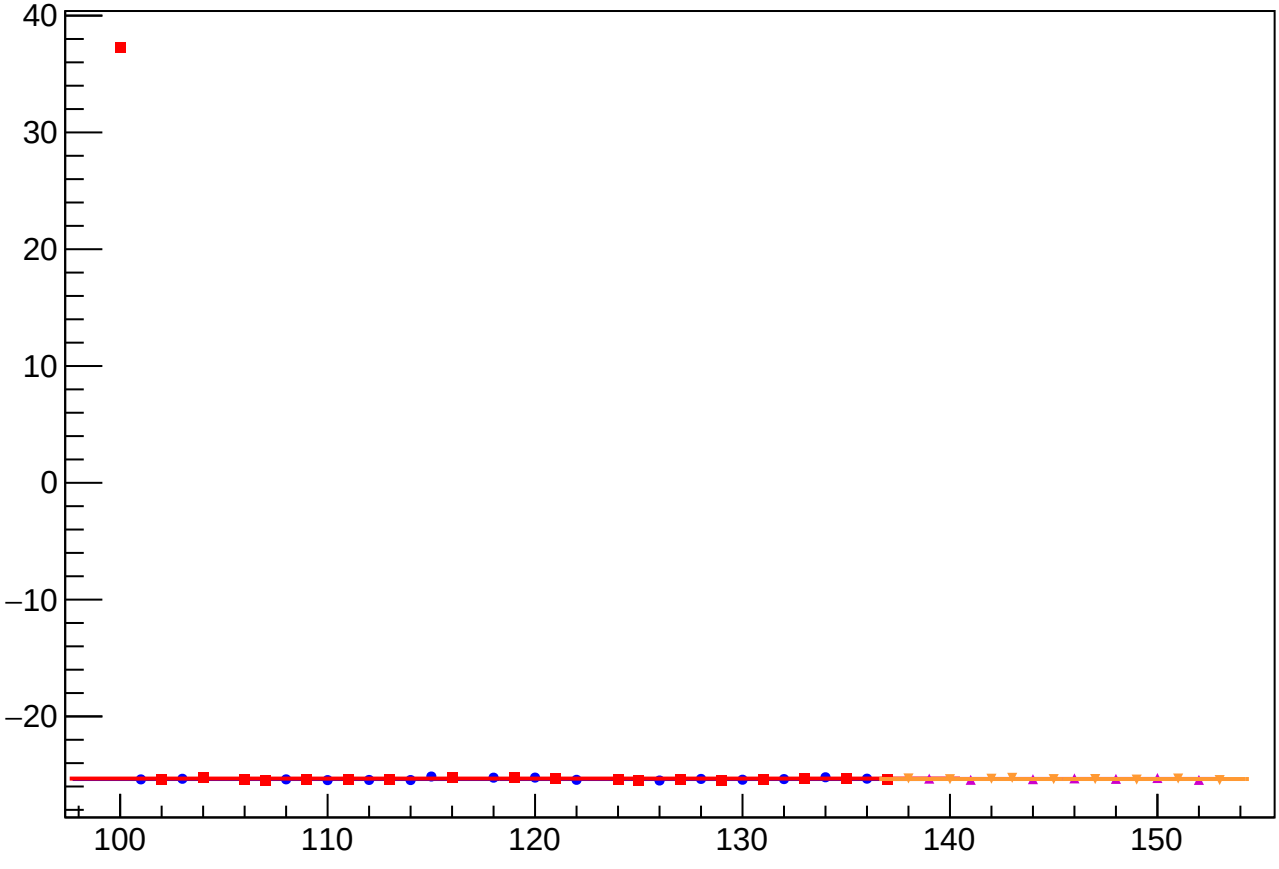
Left In: 0.043+/-0.000 χ^2/NDF:12427.2/6

+ sign 0.042+/-0.000 χ^2/NDF: 38976.7/23

All: 0.042+/-0.000 χ^2/NDF: 153974.1/48

- sign 0.042+/-0.000 χ^2/NDF: 114996.2/24

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.359+/-0.000 χ^2/NDF:6651842.1/8

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

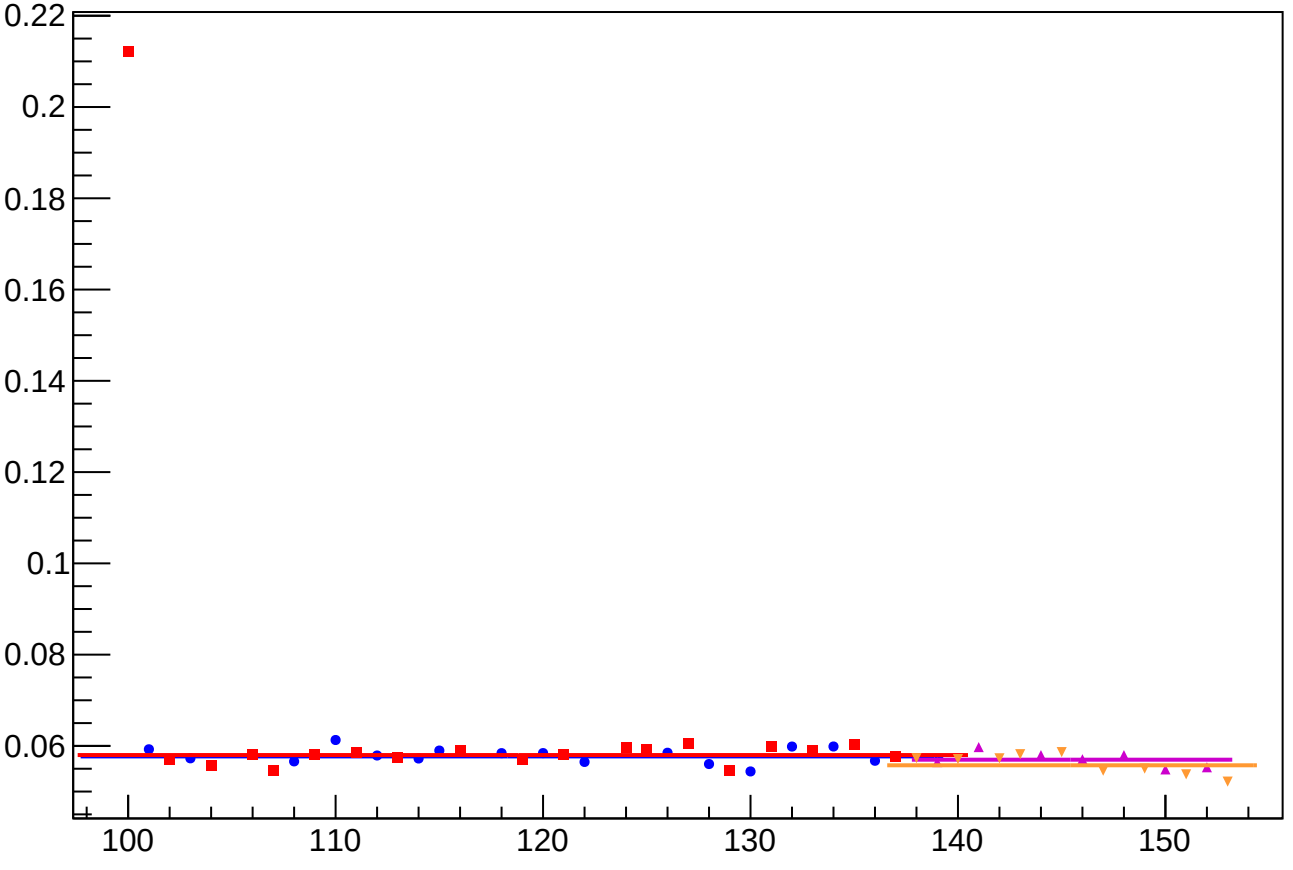
Left In: -25.352+/-0.000 χ^2/NDF:5869514.3/6

+ sign -25.360+/-0.000 χ^2/NDF: 19936885.7/24

All: -25.348+/-0.000 χ^2/NDF: 6342793020.0/

- sign -25.336+/-0.000 χ^2/NDF: 6321685675.0/25

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:19949.1/8

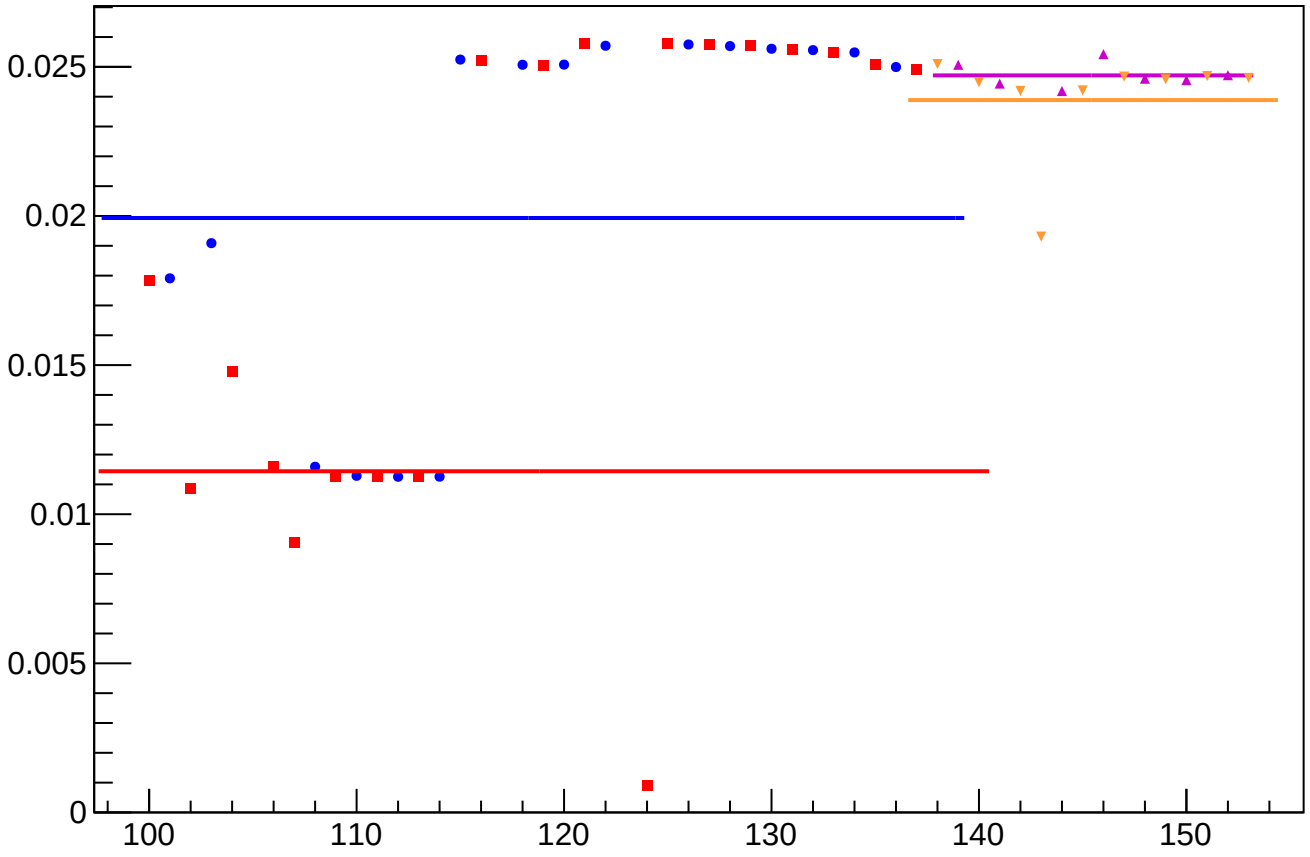
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.057+/-0.000 χ^2/NDF:8904.3/6

+ sign 0.057+/-0.000 χ^2/NDF: 39806.6/24

All: 0.057+/-0.000 χ^2/NDF: 142204.7/50

- sign 0.058+/-0.000 χ^2/NDF: 99628.2/25



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4408977845.1/8

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

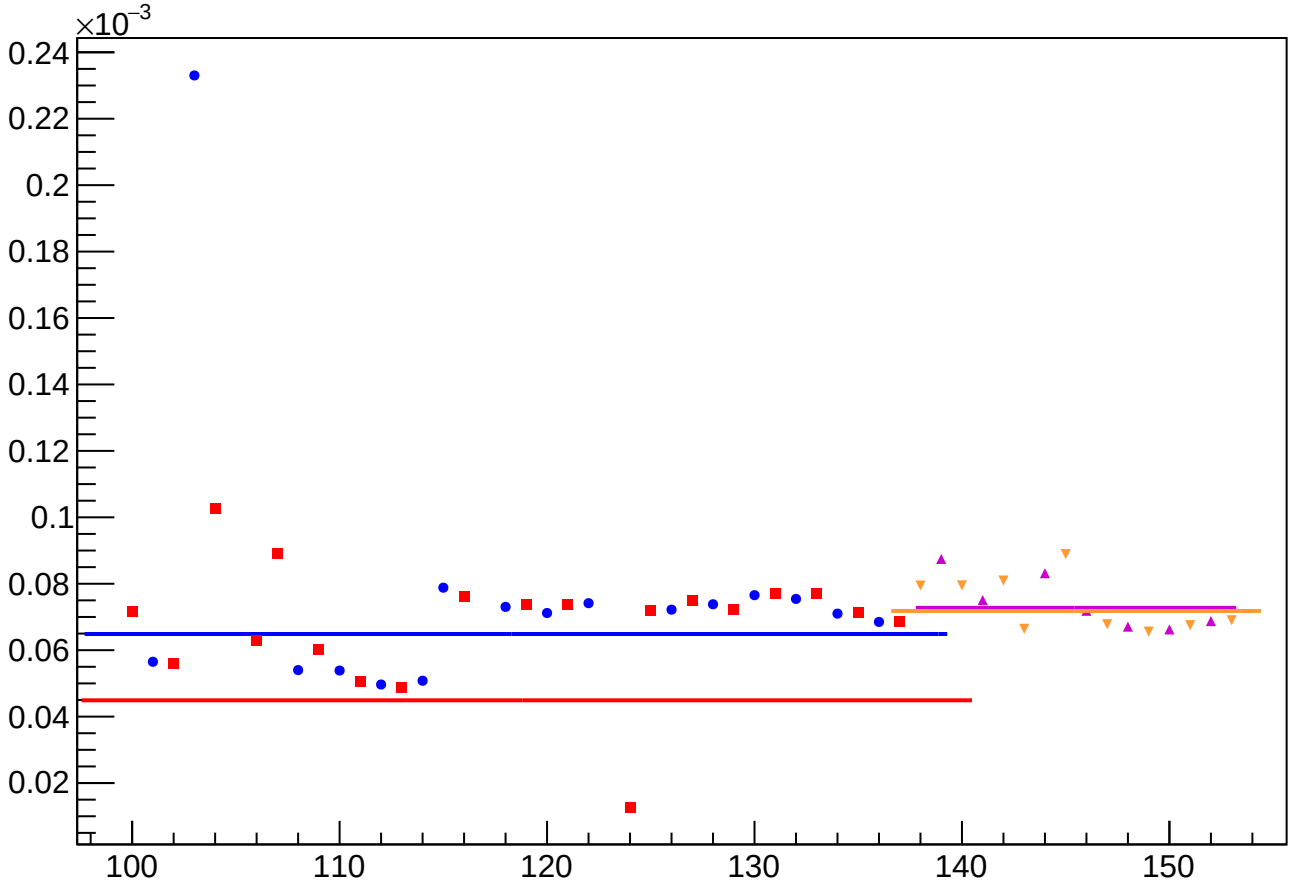
Left In: 0.025+/-0.000 χ^2/NDF:152267212.8/6

+ sign 0.022+/-0.000 χ^2/NDF: 77996336978.5/24

All: 0.018+/-0.000 χ^2/NDF: 530536936568.9

- sign 0.016+/-0.000 χ^2/NDF: 390428182212.7/25

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:137422.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

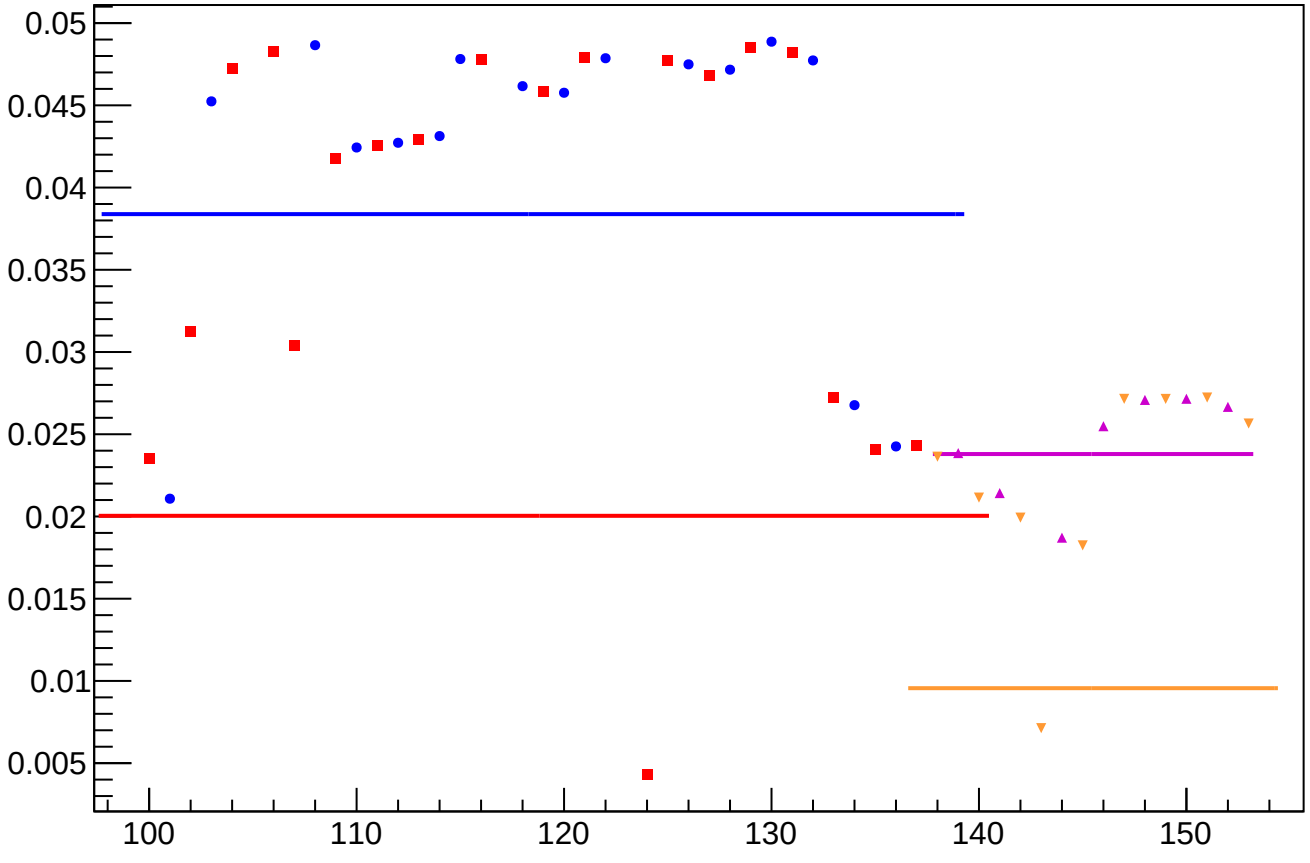
Left In: 0.000+/-0.000 χ^2/NDF:109448.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 1022588.3/24

All: 0.000+/-0.000 χ^2/NDF: 6784262.5/50

- sign 0.000+/-0.000 χ^2/NDF: 5079393.5/25

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:18453780650.7/8

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

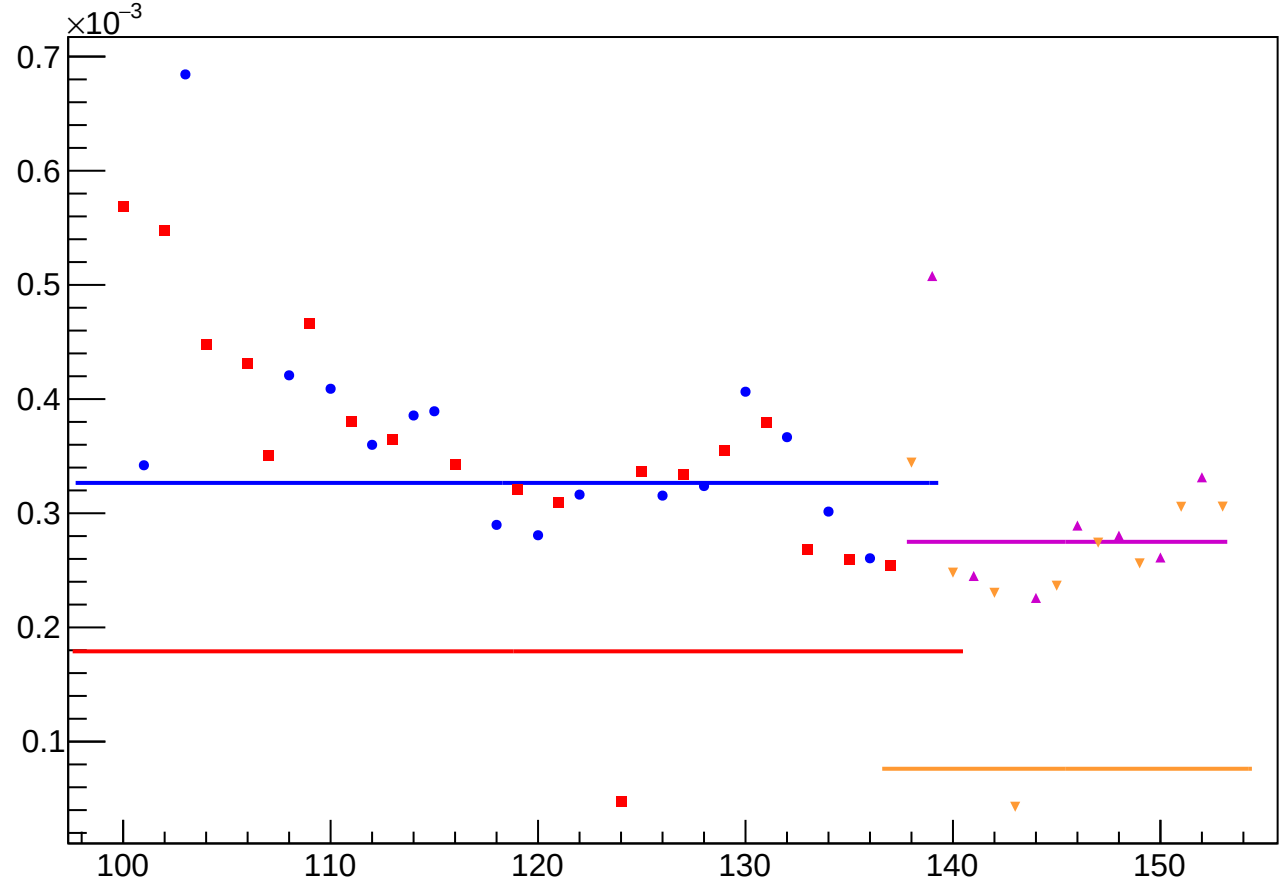
Left In: 0.024+/-0.000 χ^2/NDF:813953683.5/6

+ sign 0.013+/-0.000 χ^2/NDF: 69614850505.1/24

All: 0.015+/-0.000 χ^2/NDF: 124558275767.8

- sign 0.021+/-0.000 χ^2/NDF: 43630677383.0/25

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6738757.0/8

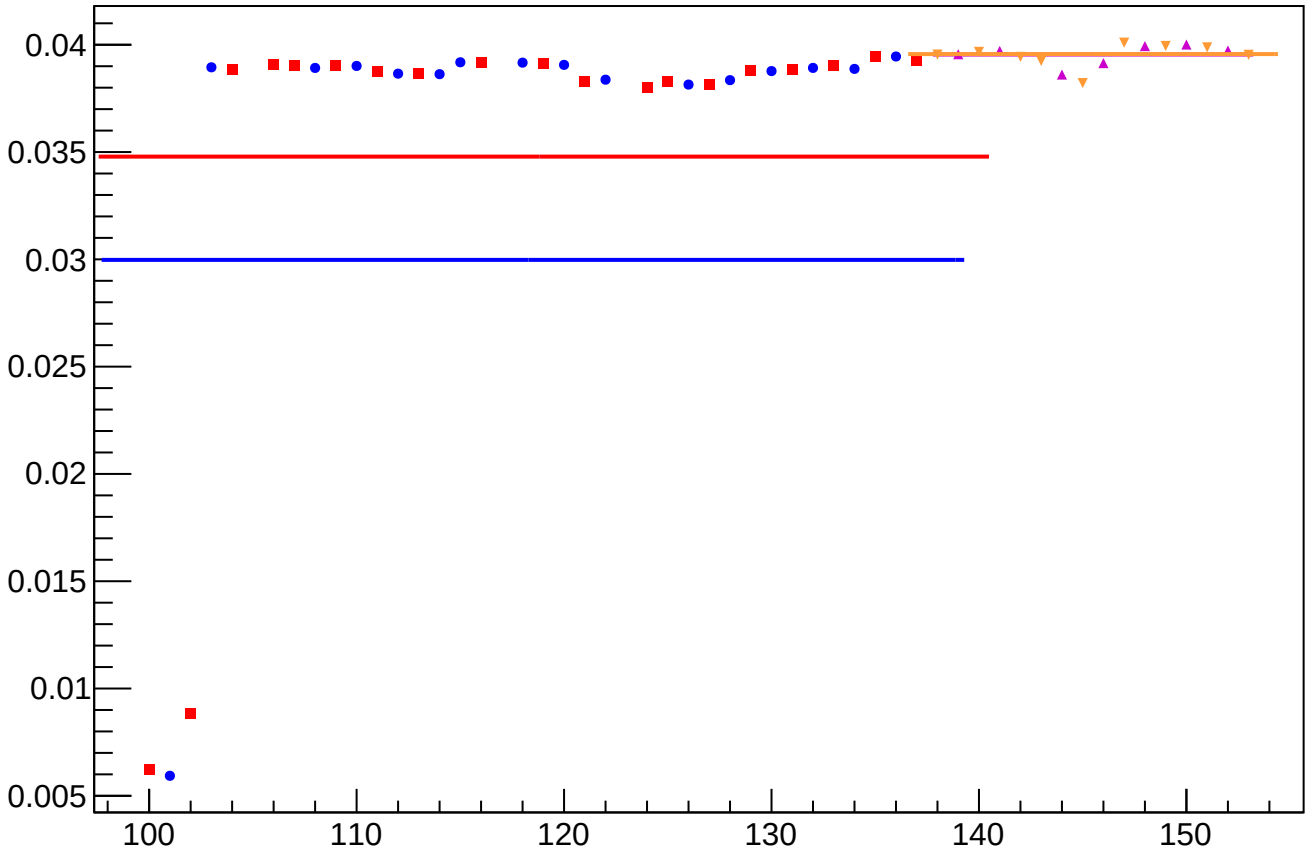
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:491863.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 13971866.7/24

All: 0.000+/-0.000 χ^2/NDF: 24562488.2/50

- sign 0.000+/-0.000 χ^2/NDF: 6976535.6/25



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:92132862.8/8

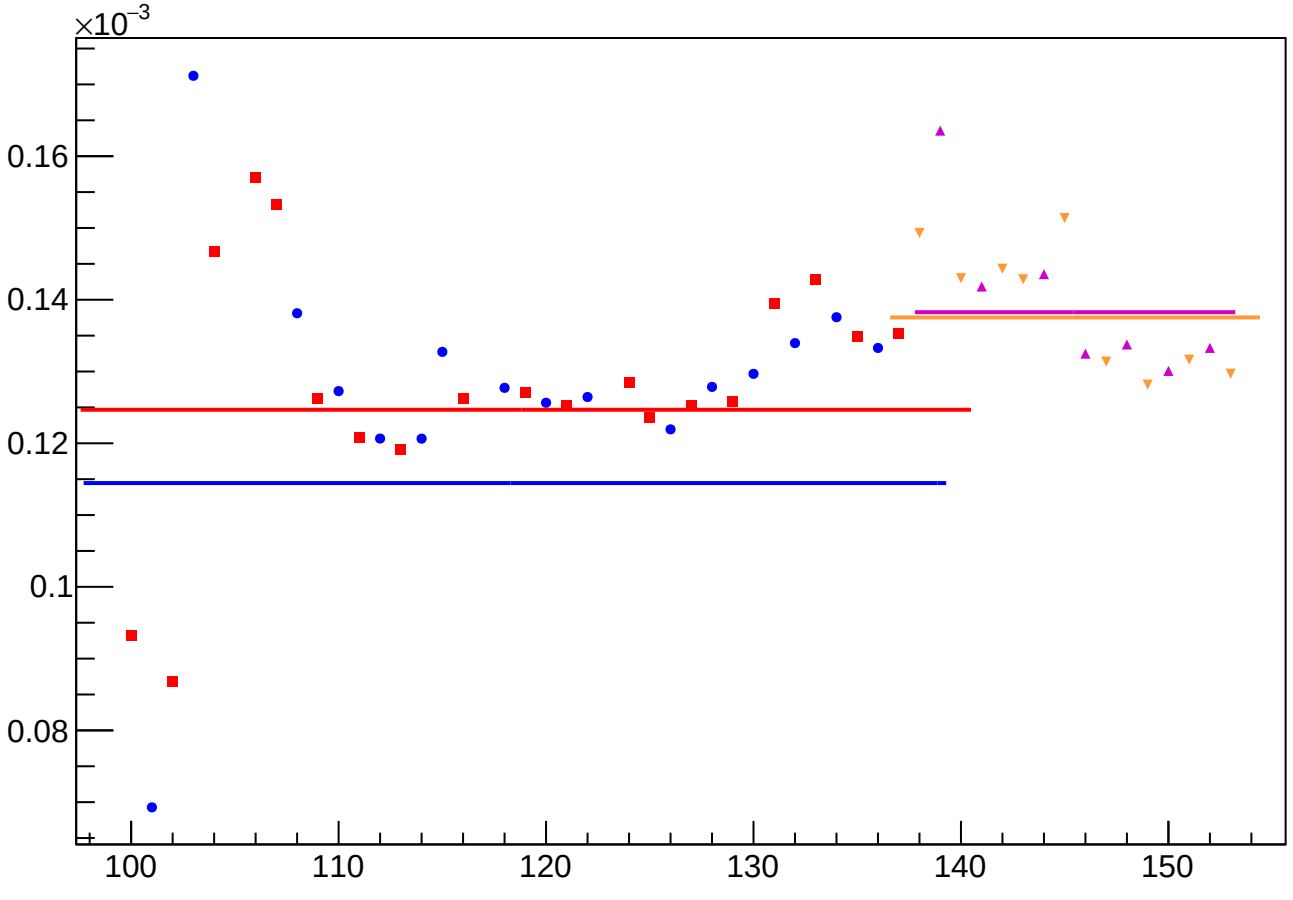
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65678824.4/6

+ sign 0.034+/-0.000 χ^2/NDF: 127648701873.8/24

All: 0.035+/-0.000 χ^2/NDF: 182260862032.2

- sign 0.037+/-0.000 χ^2/NDF: 51459556833.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:50329.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

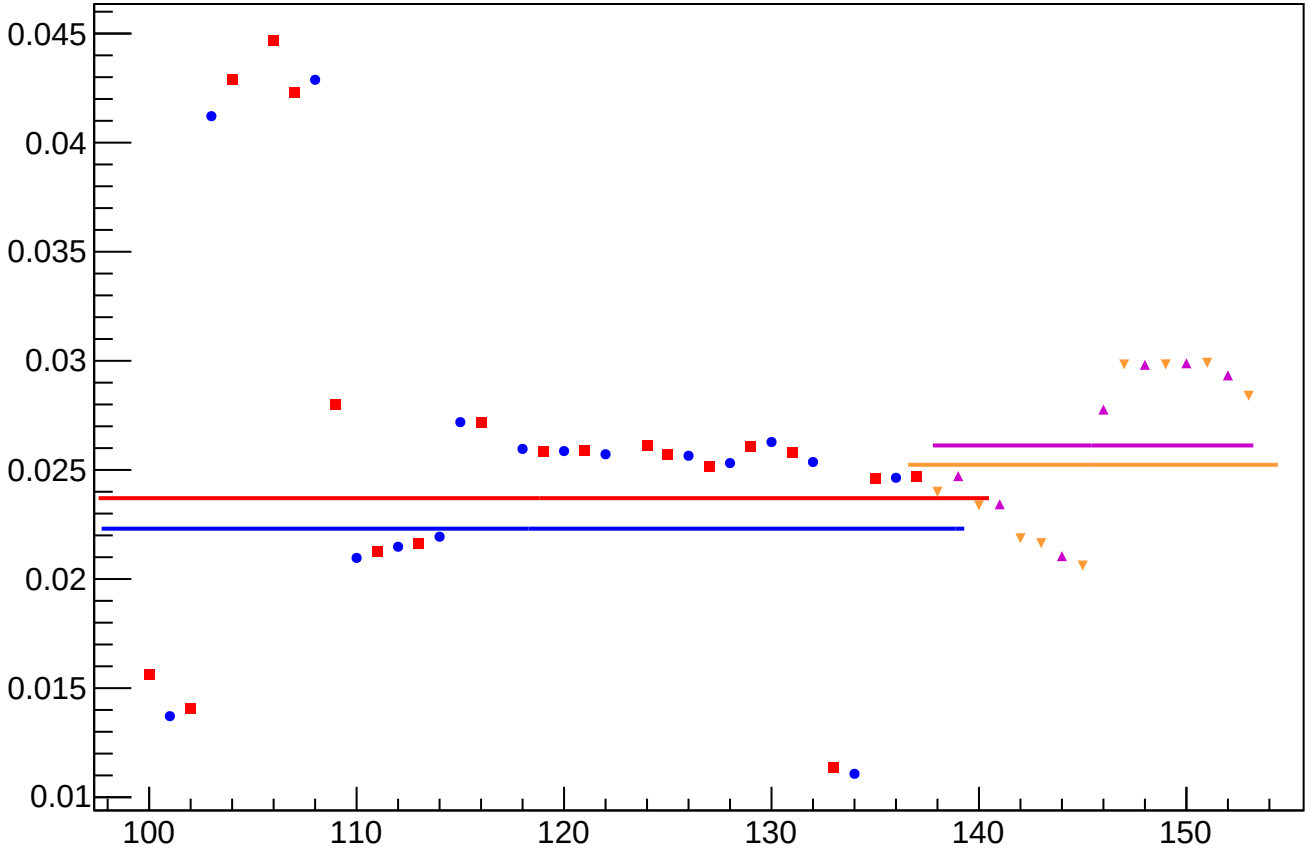
Left In: 0.000+/-0.000 χ^2/NDF:57374.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 1126700.9/24

All: 0.000+/-0.000 χ^2/NDF: 1543334.7/50

- sign 0.000+/-0.000 χ^2/NDF: 385222.7/25

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.025+/-0.000 χ^2/NDF:1370141169.5/8

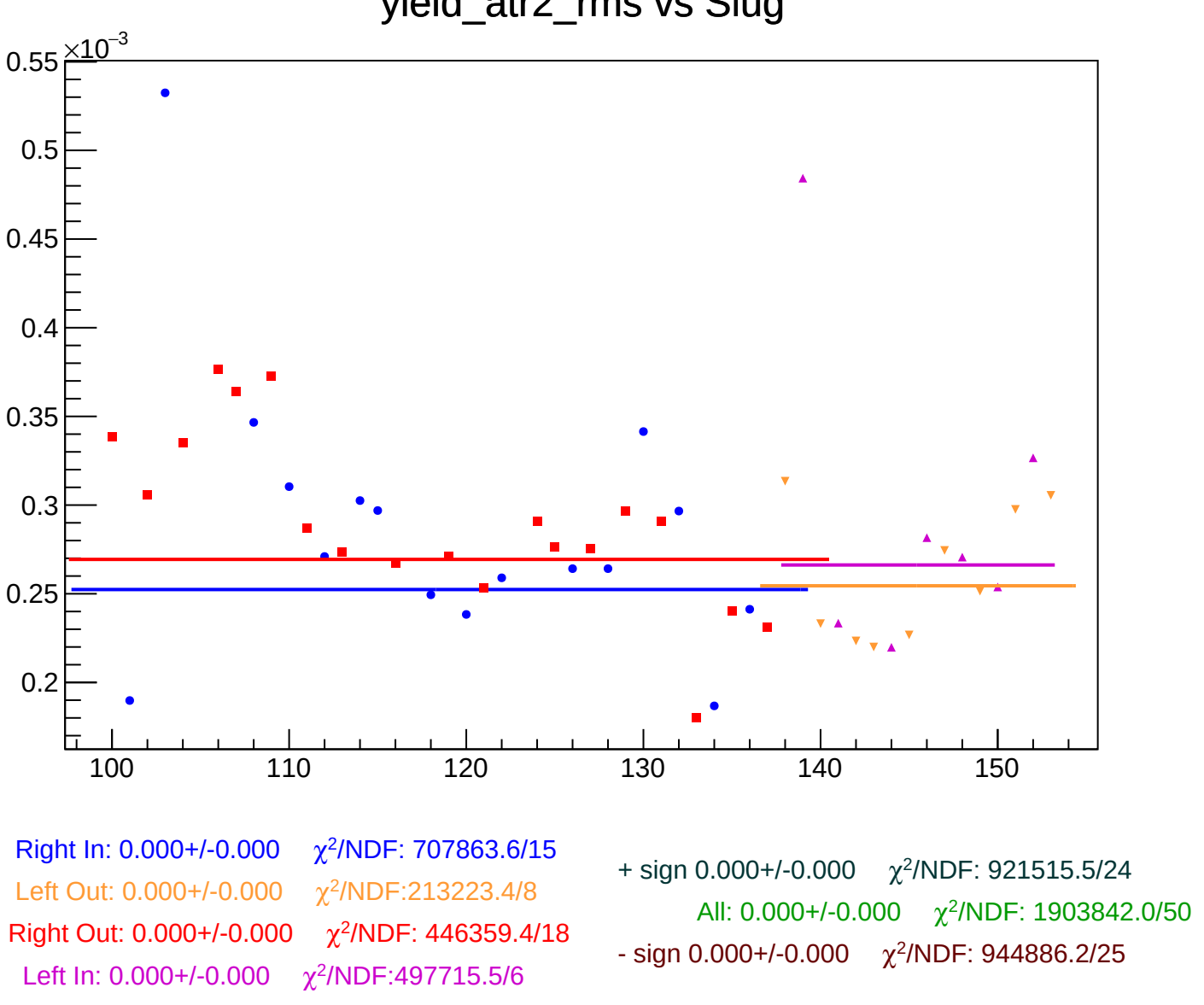
Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

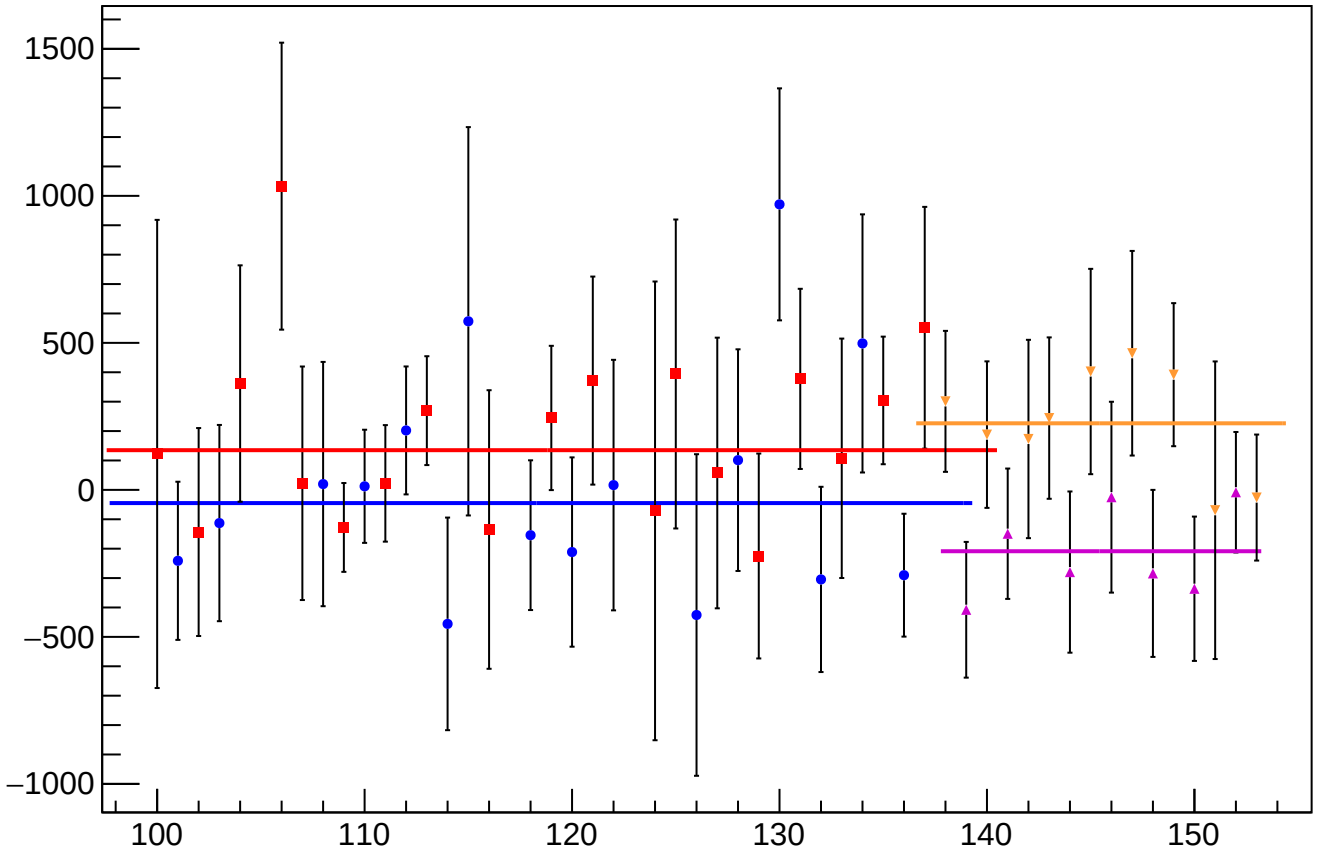
Left In: 0.026+/-0.000 χ^2/NDF:982101476.7/6

+ sign 0.024+/-0.000 χ^2/NDF: 6795540523.5/24

All: 0.024+/-0.000 χ^2/NDF: 13702057039.9/5

- sign 0.025+/-0.000 χ^2/NDF: 6803794851.5/25


yield_atr2_rms vs Slug
×10^−3
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 707863.6/15
Left Out: 0.000+/-0.000 χ²/NDF:213223.4/8
Right Out: 0.000+/-0.000 χ²/NDF: 446359.4/18
Left In: 0.000+/-0.000 χ²/NDF:497715.5/6
+ sign 0.000+/-0.000 χ²/NDF: 921515.5/24
All: 0.000+/-0.000 χ²/NDF: 1903842.0/50
- sign 0.000+/-0.000 χ²/NDF: 944886.2/25



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 226.402+/-93.411 χ^2/NDF:3.1/8

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

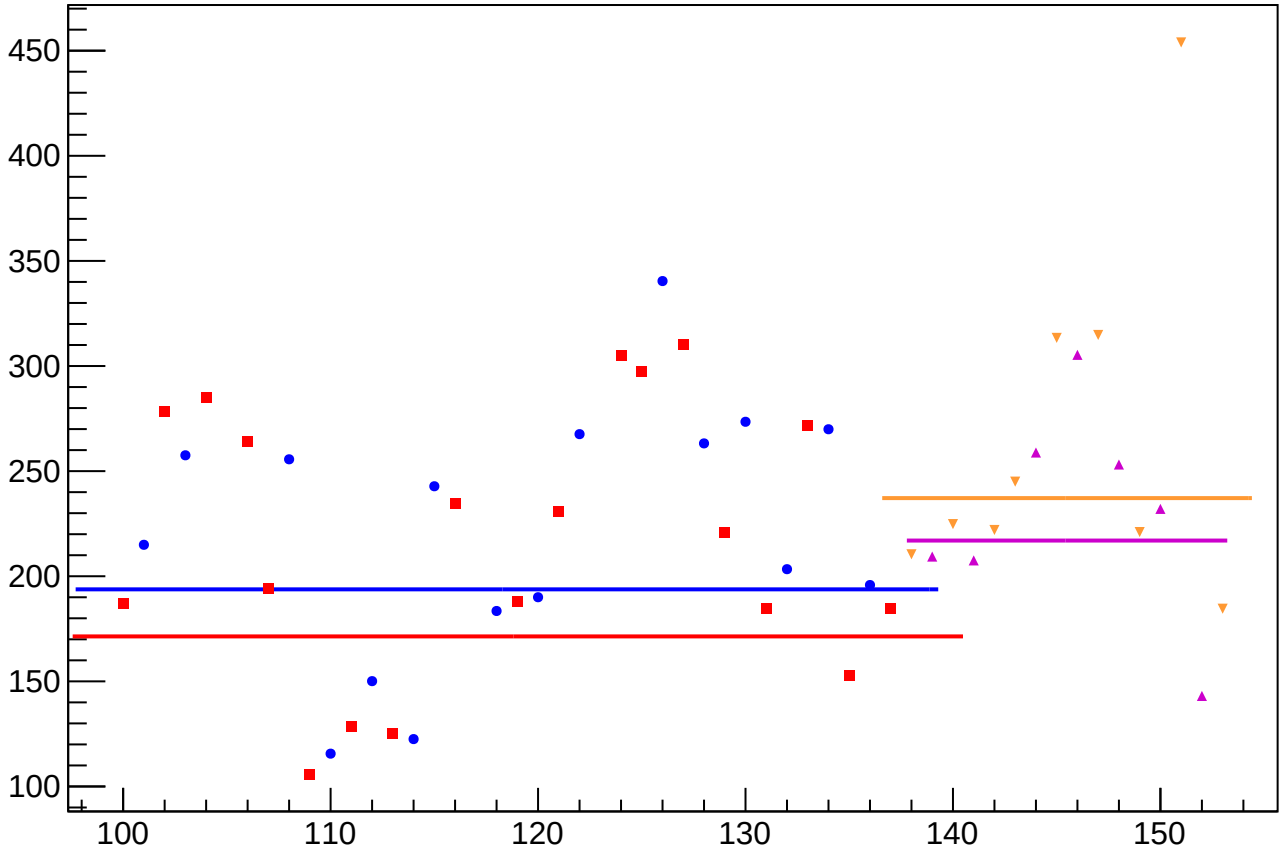
Left In: -208.694+/-93.368 χ^2/NDF:2.5/6

+ sign 63.488+/-59.045 χ^2/NDF: 23.6/24

All: 37.921+/-40.245 χ^2/NDF: 48.2/50

- sign 15.737+/-55.000 χ^2/NDF: 24.3/25

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 237.172+/-0.066 χ^2/NDF:726467.8/8

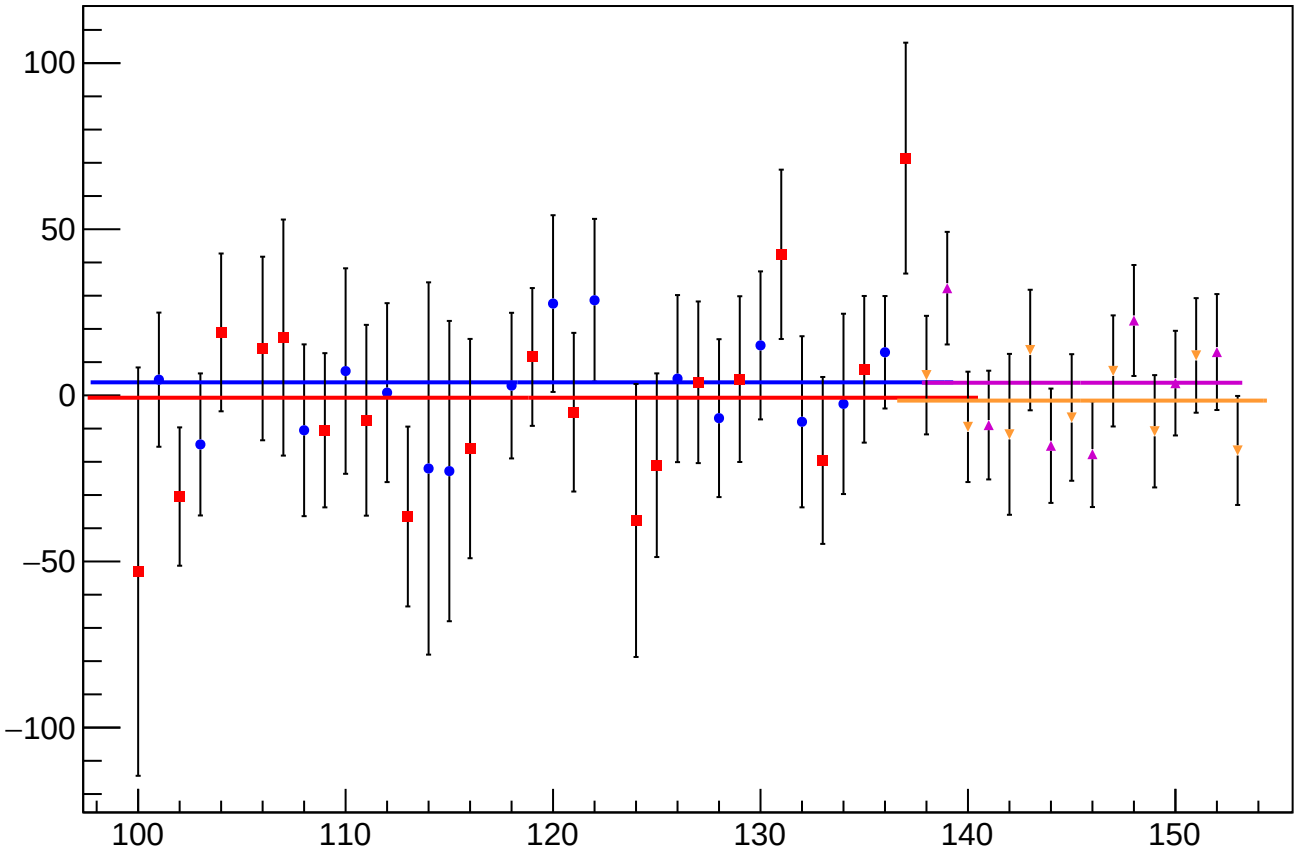
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 216.978+/-0.066 χ^2/NDF:500730.3/6

+ sign 211.110+/-0.042 χ^2/NDF: 2033844.5/24

All: 198.310+/-0.028 χ^2/NDF: 4679659.0/50

- sign 187.204+/-0.039 χ^2/NDF: 2470273.2/25



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -1.576+/-5.932 χ^2/NDF:3.4/8

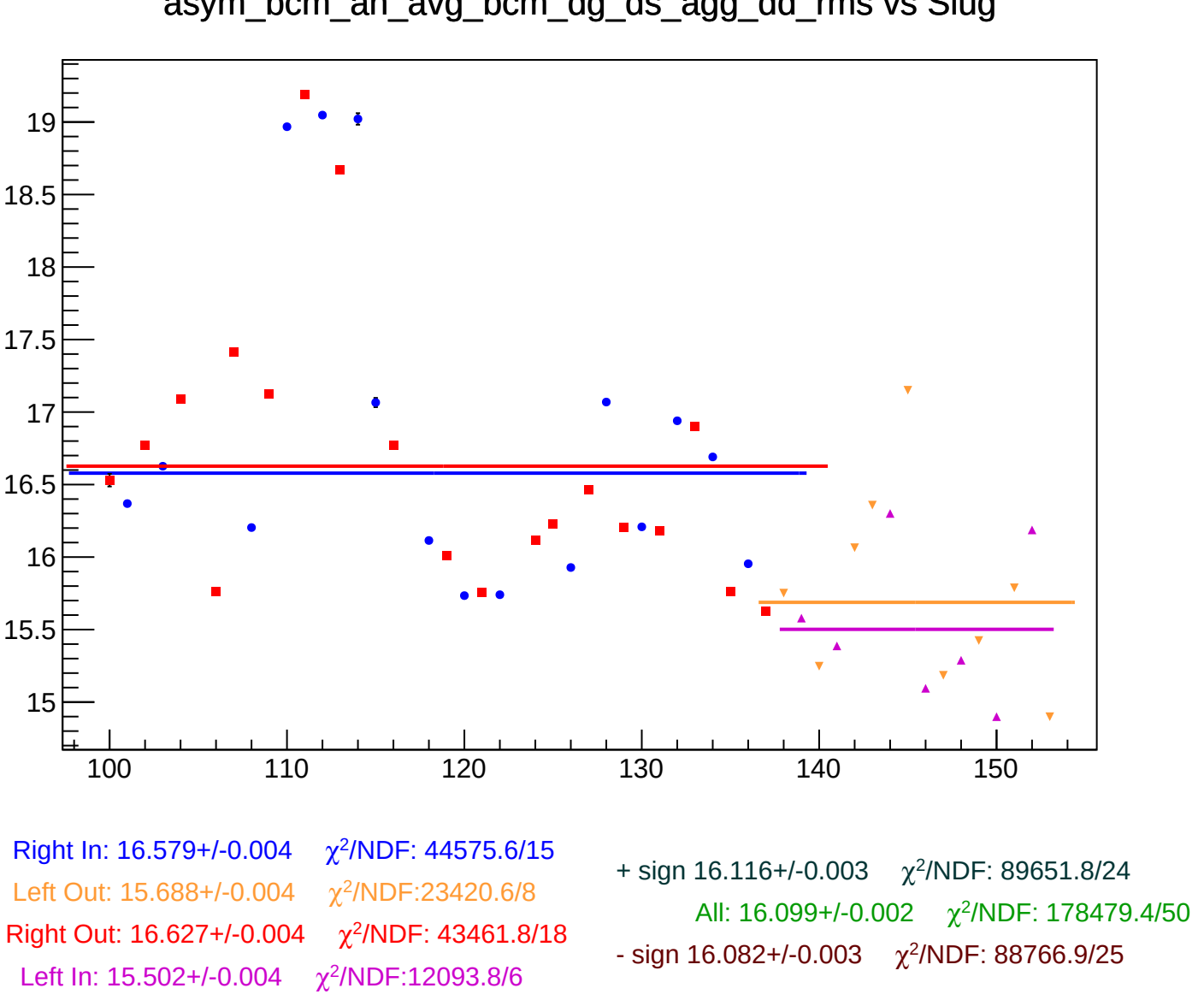
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

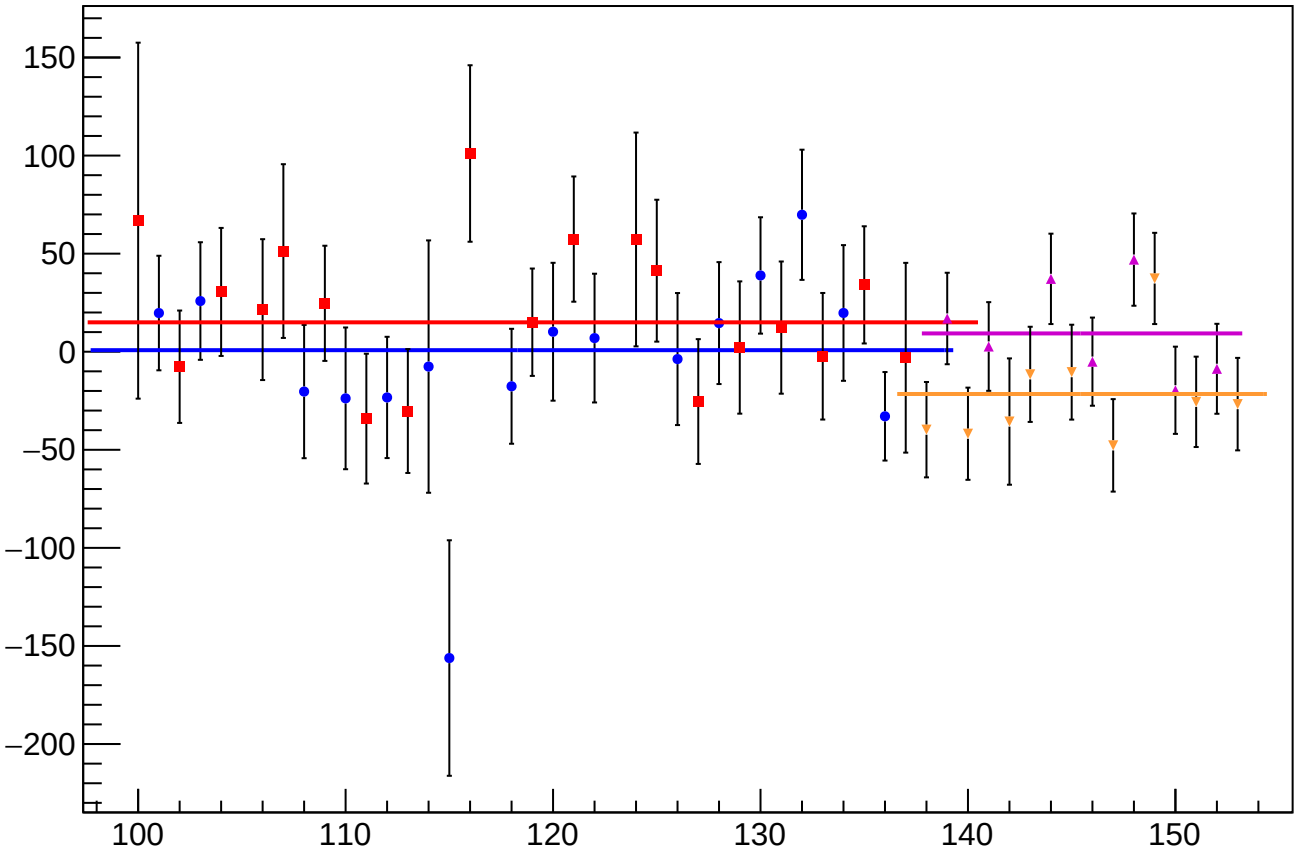
Left In: 3.796+/-6.270 χ^2/NDF:8.0/6

\+ sign 1.065+/-4.277 χ^2/NDF: 8.3/24

All: 1.263+/-3.054 χ^2/NDF: 32.5/50

\- sign 1.470+/-4.364 χ^2/NDF: 24.2/25


asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug
19
18.5
18
17.5
17
16.5
16
15.5
15
100
110
120
130
140
150
Right In: 16.579+/-0.004 χ²/NDF: 44575.6/15
Left Out: 15.688+/-0.004 χ²/NDF:23420.6/8
Right Out: 16.627+/-0.004 χ²/NDF: 43461.8/18
Left In: 15.502+/-0.004 χ²/NDF:12093.8/6
+ sign 16.116+/-0.003 χ²/NDF: 89651.8/24
All: 16.099+/-0.002 χ²/NDF: 178479.4/50
- sign 16.082+/-0.003 χ²/NDF: 88766.9/25



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -21.550+/-8.109 χ^2/NDF:9.6/8

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

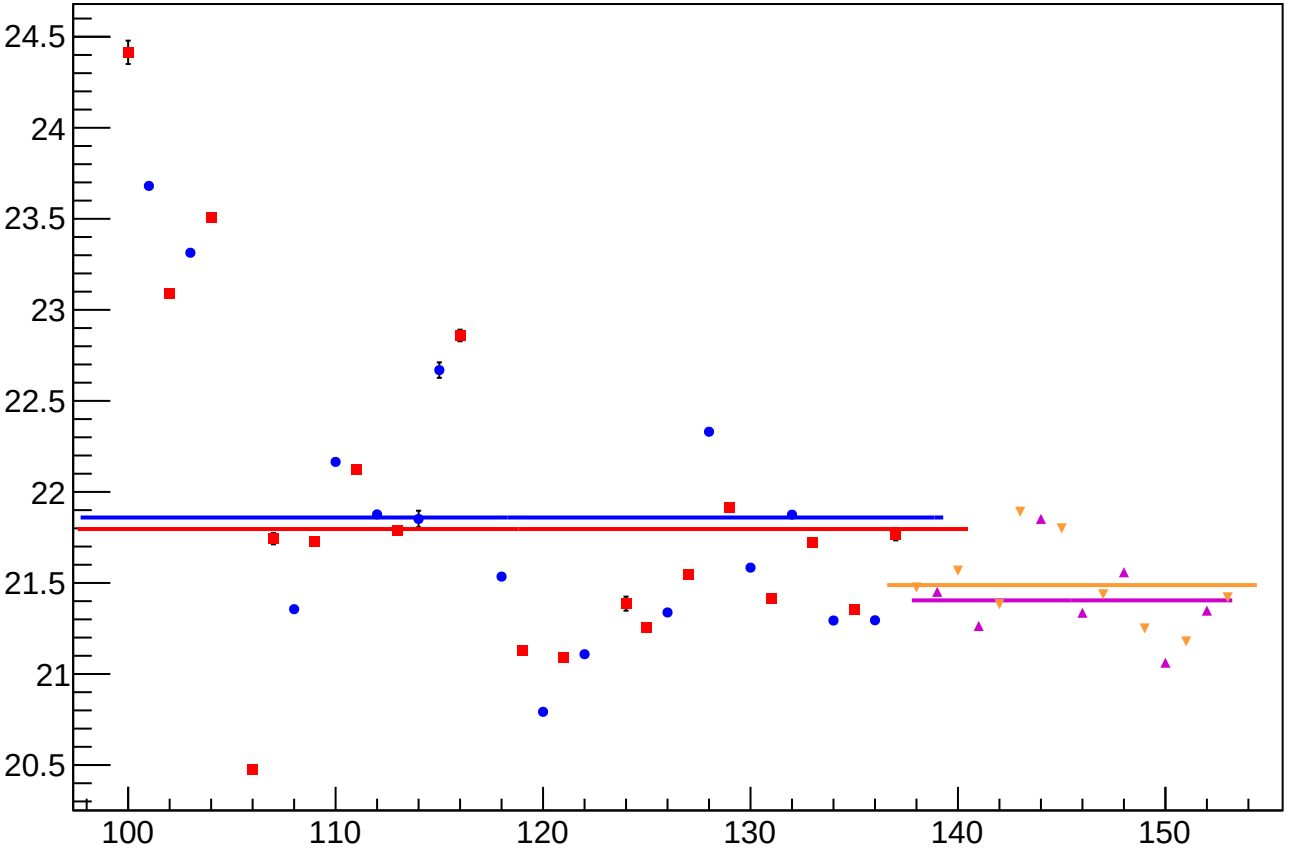
Left In: 9.328+/-8.641 χ^2/NDF:6.9/6

\+ sign -10.401+/-5.740 χ^2/NDF: 32.0/24

All: 0.773+/-4.098 χ^2/NDF: 62.3/50

\- sign 12.388+/-5.852 χ^2/NDF: 22.6/25

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.488+/-0.006 χ^2/NDF:1523.4/8

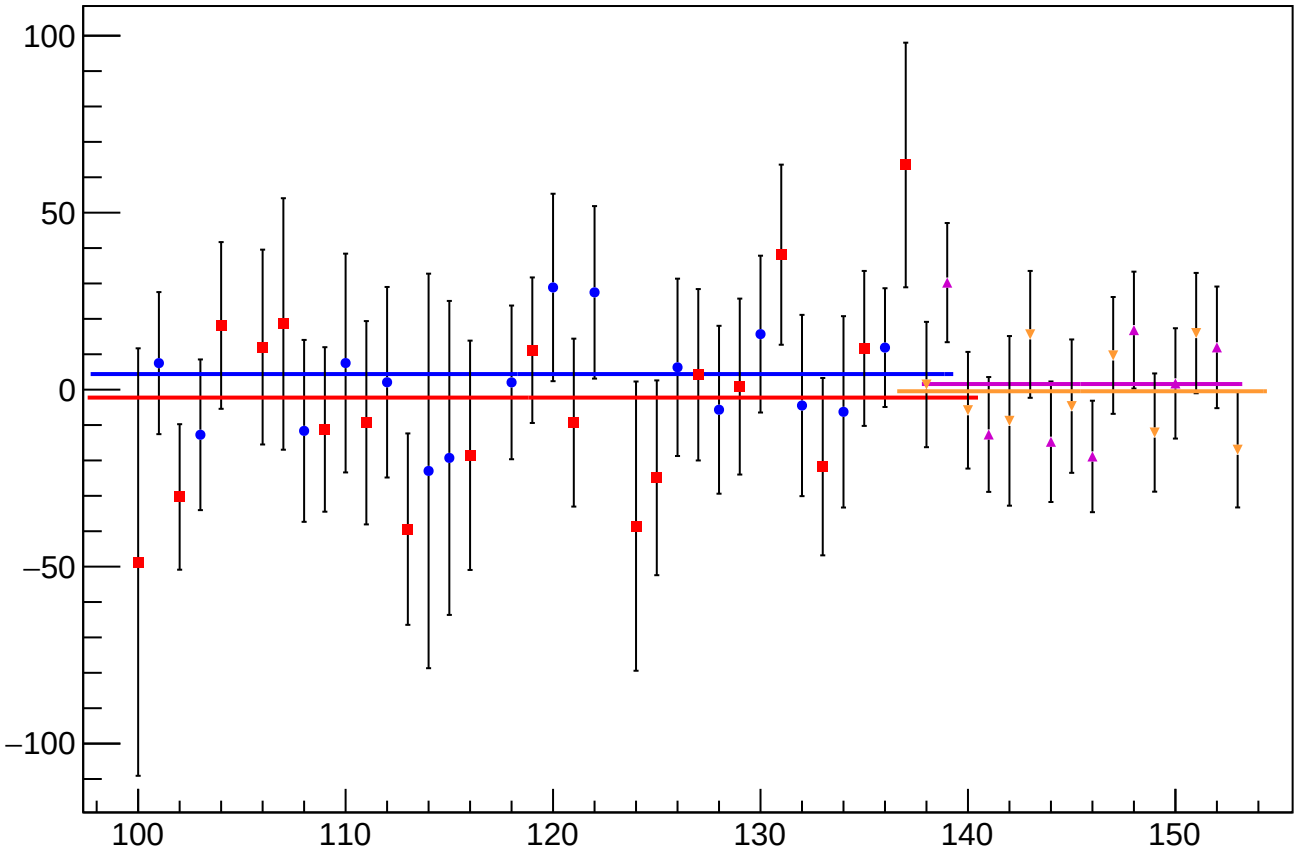
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.404+/-0.006 χ^2/NDF:1431.2/6

+ sign 21.674+/-0.004 χ^2/NDF: 23083.2/24

All: 21.646+/-0.003 χ^2/NDF: 45699.6/50

- sign 21.617+/-0.004 χ^2/NDF: 22519.4/25



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -0.454+/-5.870 χ^2/NDF:3.9/8

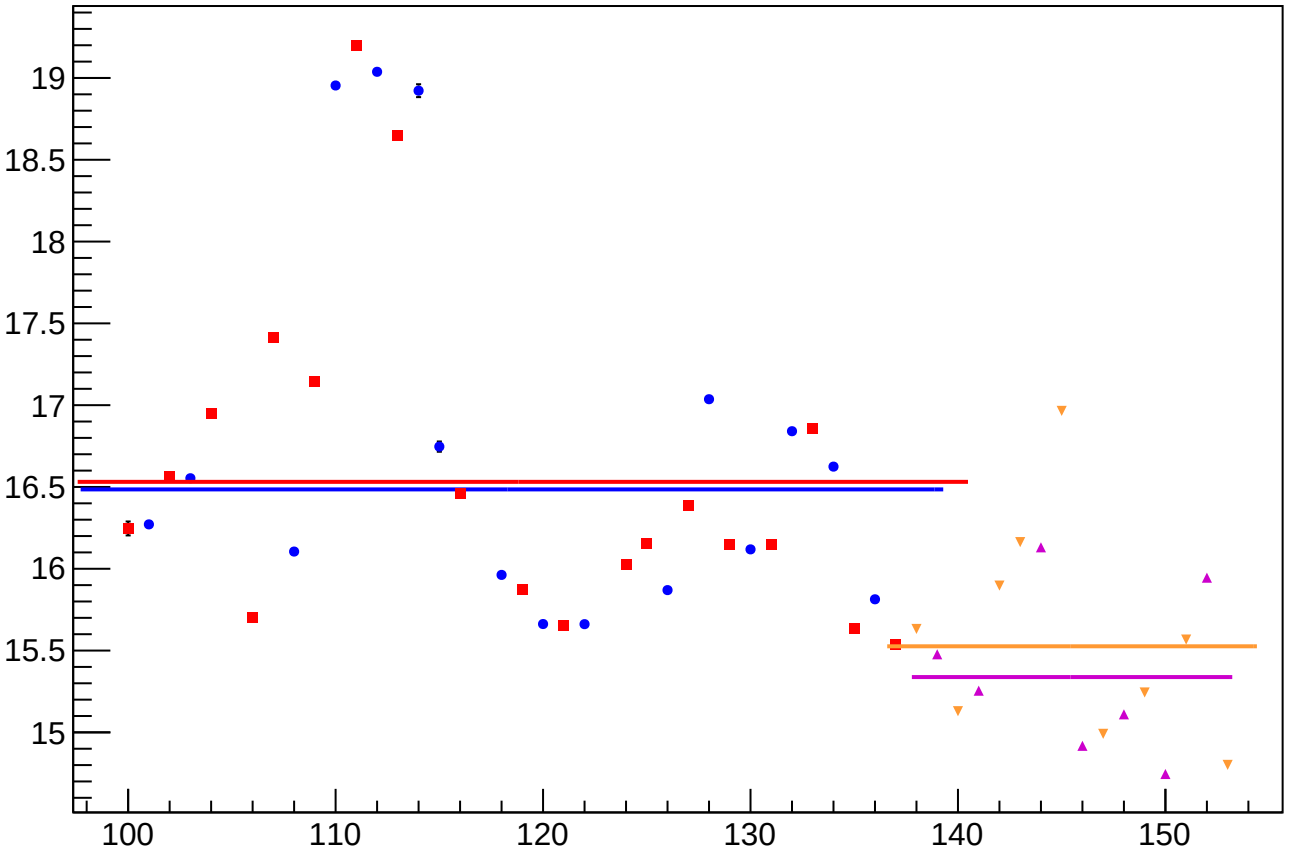
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 1.587+/-6.203 χ^2/NDF:7.5/6

+ sign 1.867+/-4.242 χ^2/NDF: 8.5/24

All: 0.767+/-3.030 χ^2/NDF: 31.7/50

- sign -0.379+/-4.328 χ^2/NDF: 23.1/25



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.526+/-0.004 χ^2/NDF:22535.6/8

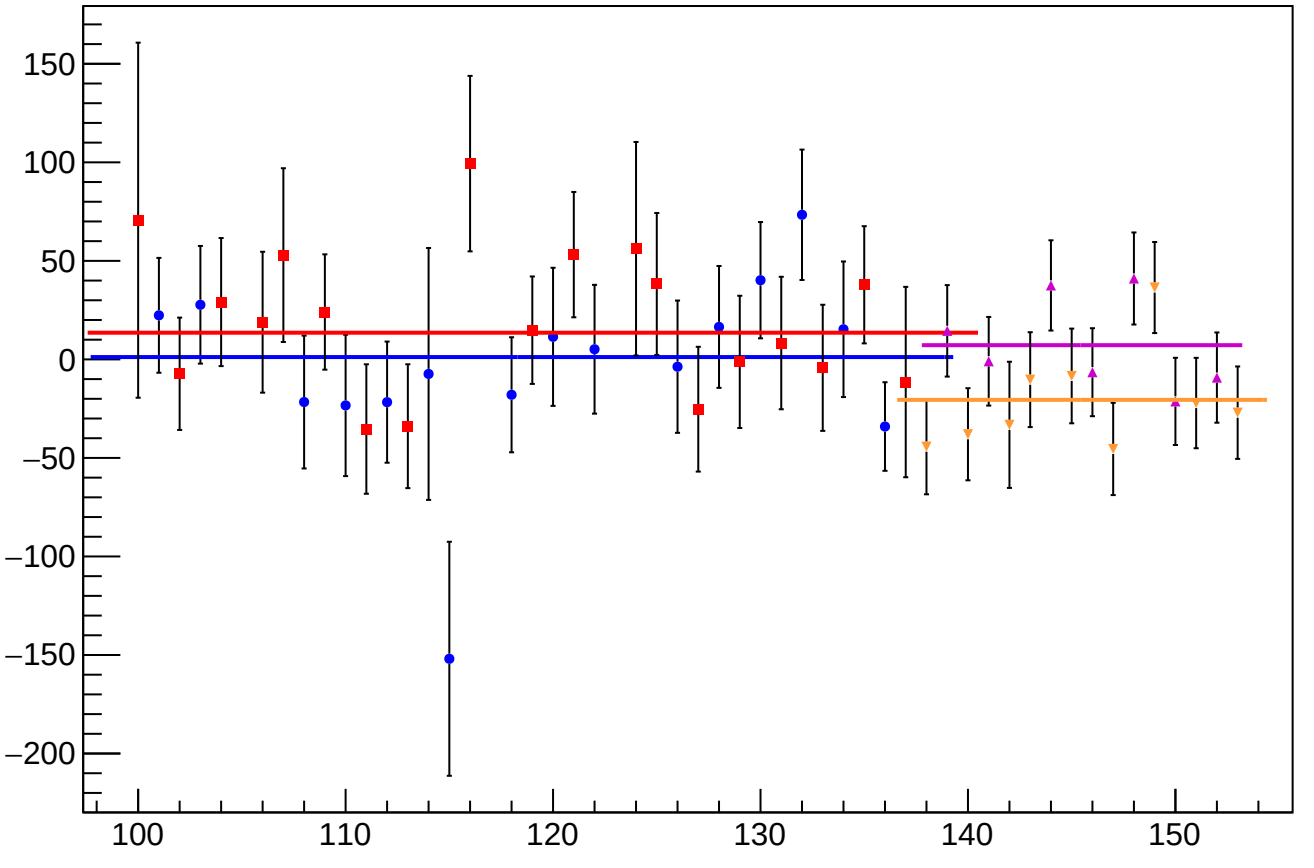
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.338+/-0.004 χ^2/NDF:11726.4/6

+ sign 15.984+/-0.003 χ^2/NDF: 95224.7/24

All: 15.968+/-0.002 χ^2/NDF: 191459.7/50

- sign 15.950+/-0.003 χ^2/NDF: 96172.4/25



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -20.525+/-8.061 χ^2/NDF:9.4/8

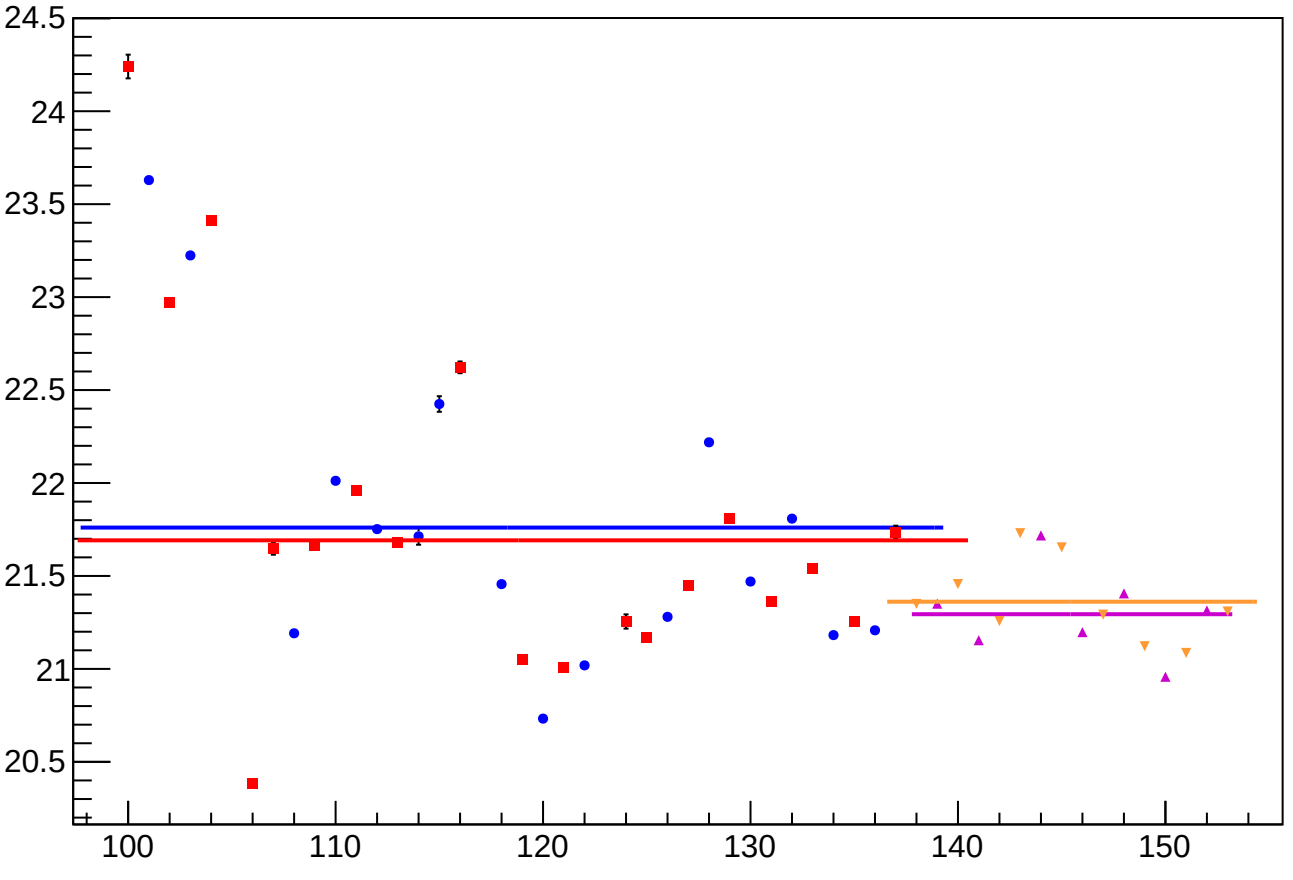
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 7.219+/-8.597 χ^2/NDF:6.6/6

+ sign -9.706+/-5.709 χ^2/NDF: 32.4/24

All: 0.269+/-4.077 χ^2/NDF: 61.5/50

- sign 10.645+/-5.823 χ^2/NDF: 22.9/25



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.361+/-0.006 χ^2/NDF:1349.7/8

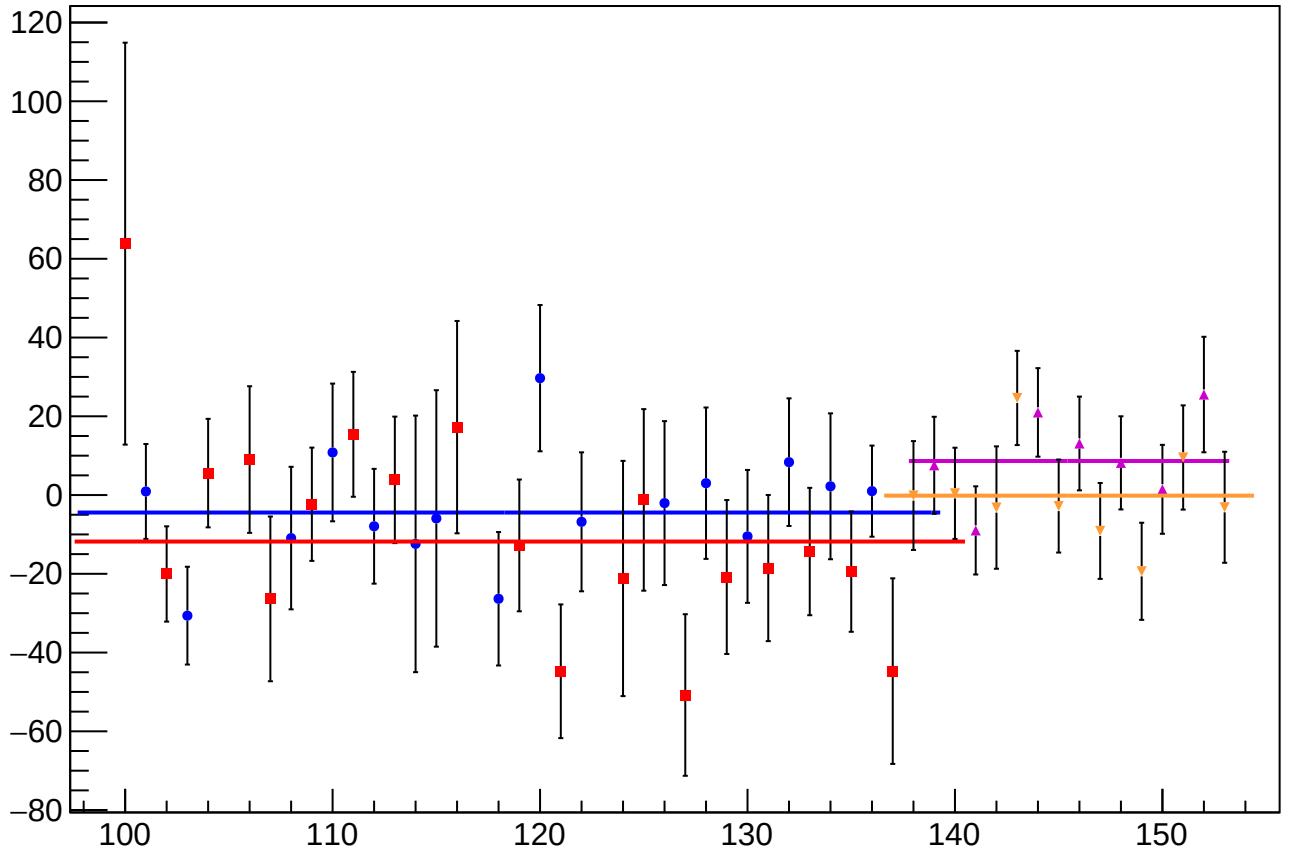
Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.294+/-0.006 χ^2/NDF:1321.5/6

+ sign 21.560+/-0.004 χ^2/NDF: 23535.8/24

All: 21.535+/-0.003 χ^2/NDF: 45578.1/50

- sign 21.509+/-0.004 χ^2/NDF: 21964.5/25



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -0.150+/-4.262 χ^2/NDF:7.9/8

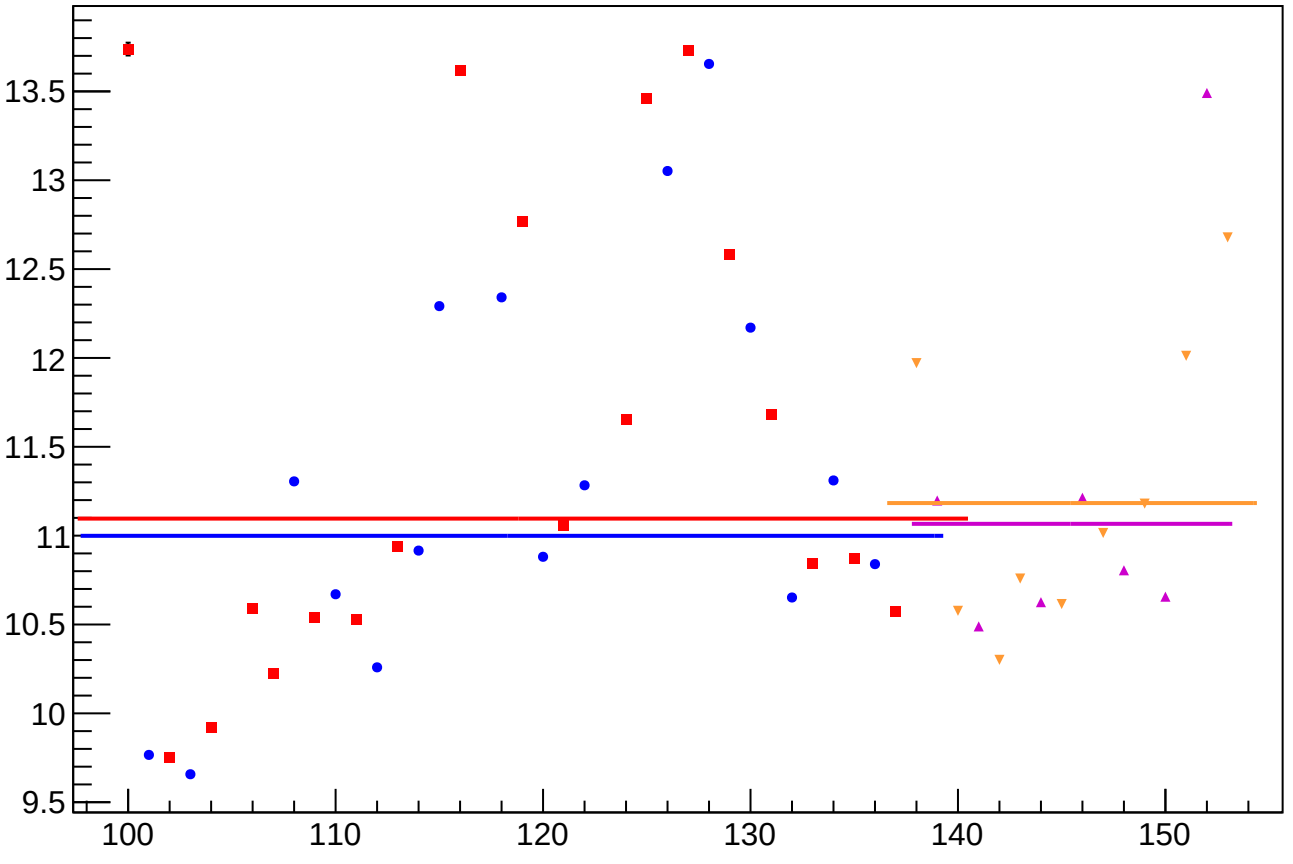
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: 8.647+/-4.510 χ^2/NDF:5.6/6

+ sign -2.362+/-2.966 χ^2/NDF: 20.4/24

All: -2.457+/-2.121 χ^2/NDF: 59.0/50

- sign -2.557+/-3.033 χ^2/NDF: 38.6/25



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.183+/-0.003 χ^2/NDF:56281.8/8

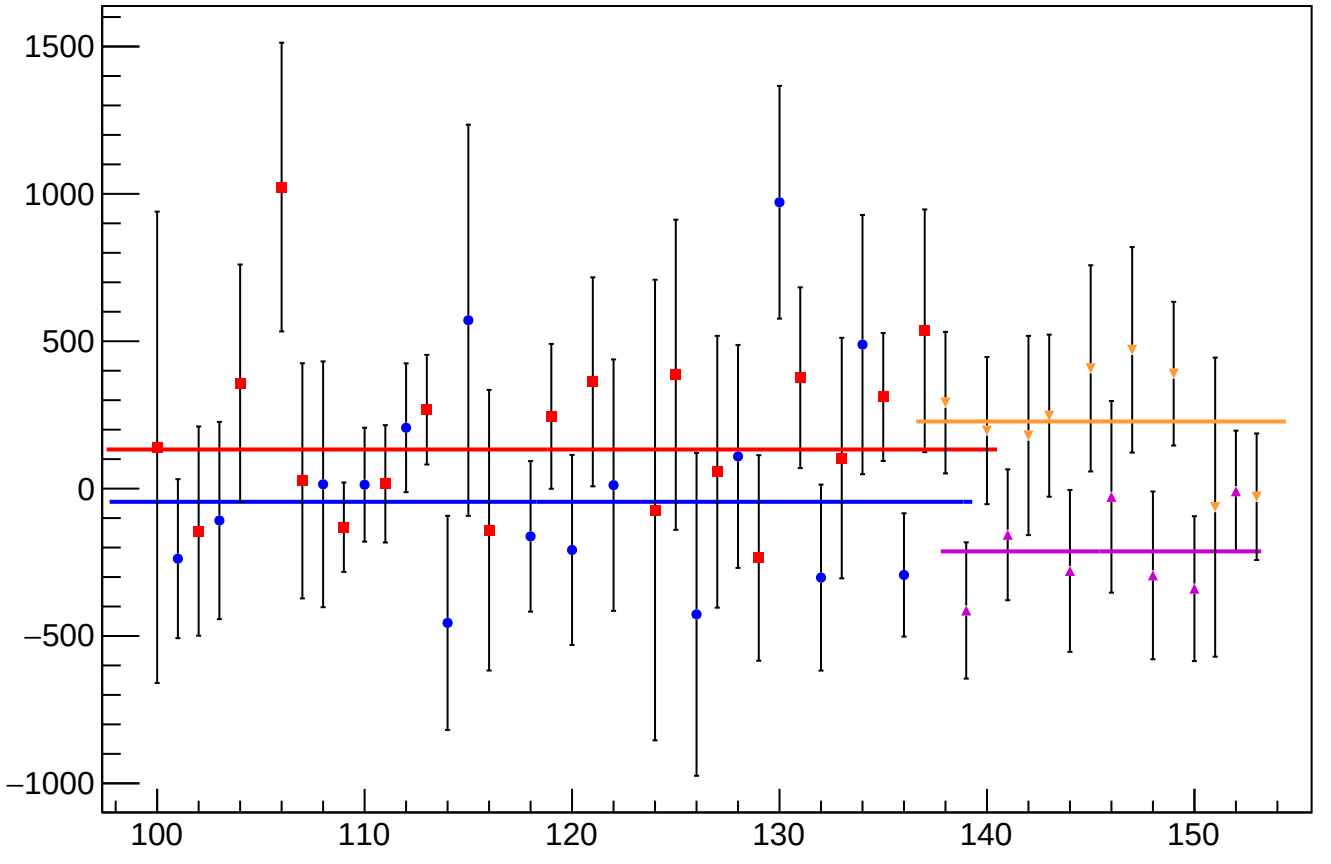
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.067+/-0.003 χ^2/NDF:67185.5/6

+ sign 11.088+/-0.002 χ^2/NDF: 194370.9/24

All: 11.086+/-0.001 χ^2/NDF: 424515.5/50

- sign 11.083+/-0.002 χ^2/NDF: 230141.0/25



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 227.720+/-93.579 χ^2/NDF:3.0/8

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

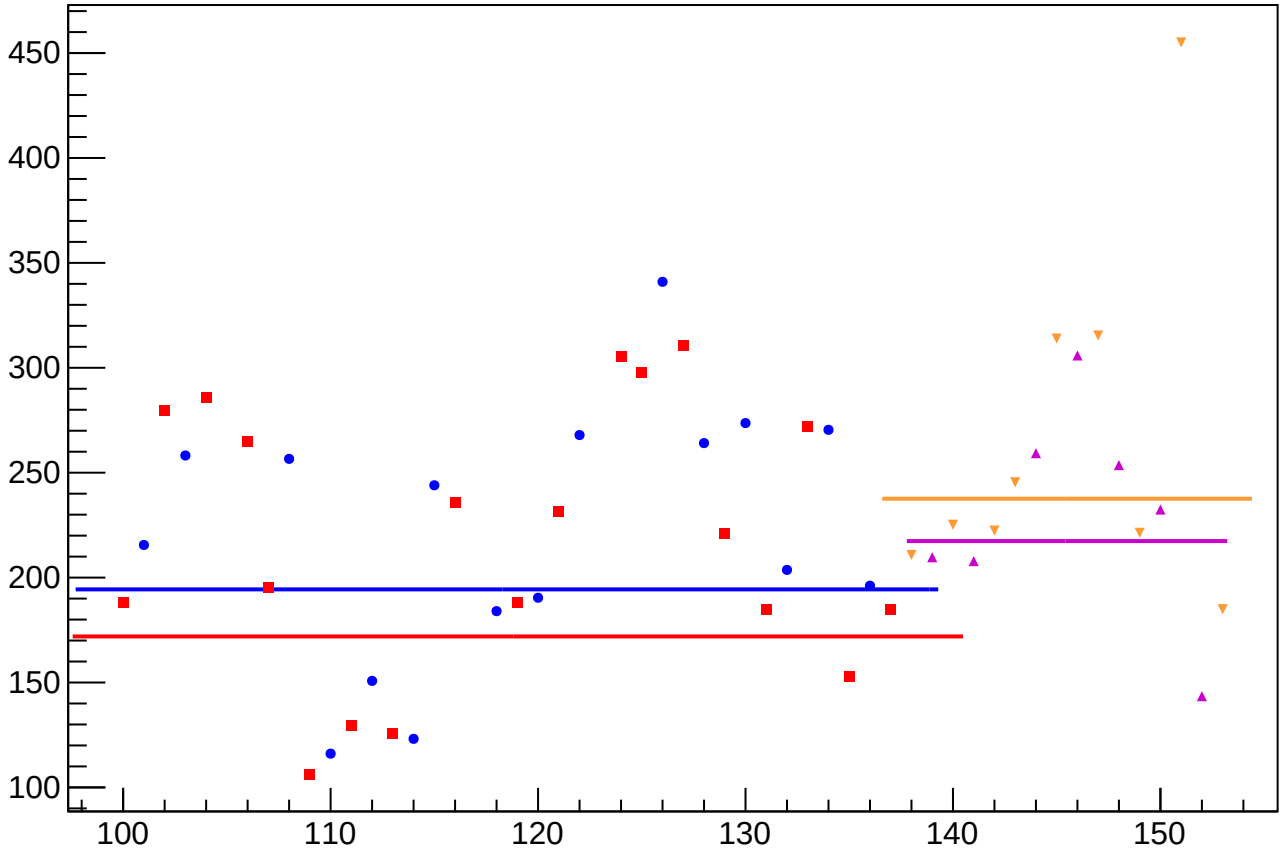
Left In: -213.014+/-93.549 χ^2/NDF:2.5/6

+ sign 64.239+/-59.192 χ^2/NDF: 23.6/24

All: 36.586+/-40.349 χ^2/NDF: 48.3/50

- sign 12.583+/-55.146 χ^2/NDF: 24.3/25

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 237.591+/-0.066 χ^2/NDF:726978.0/8

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

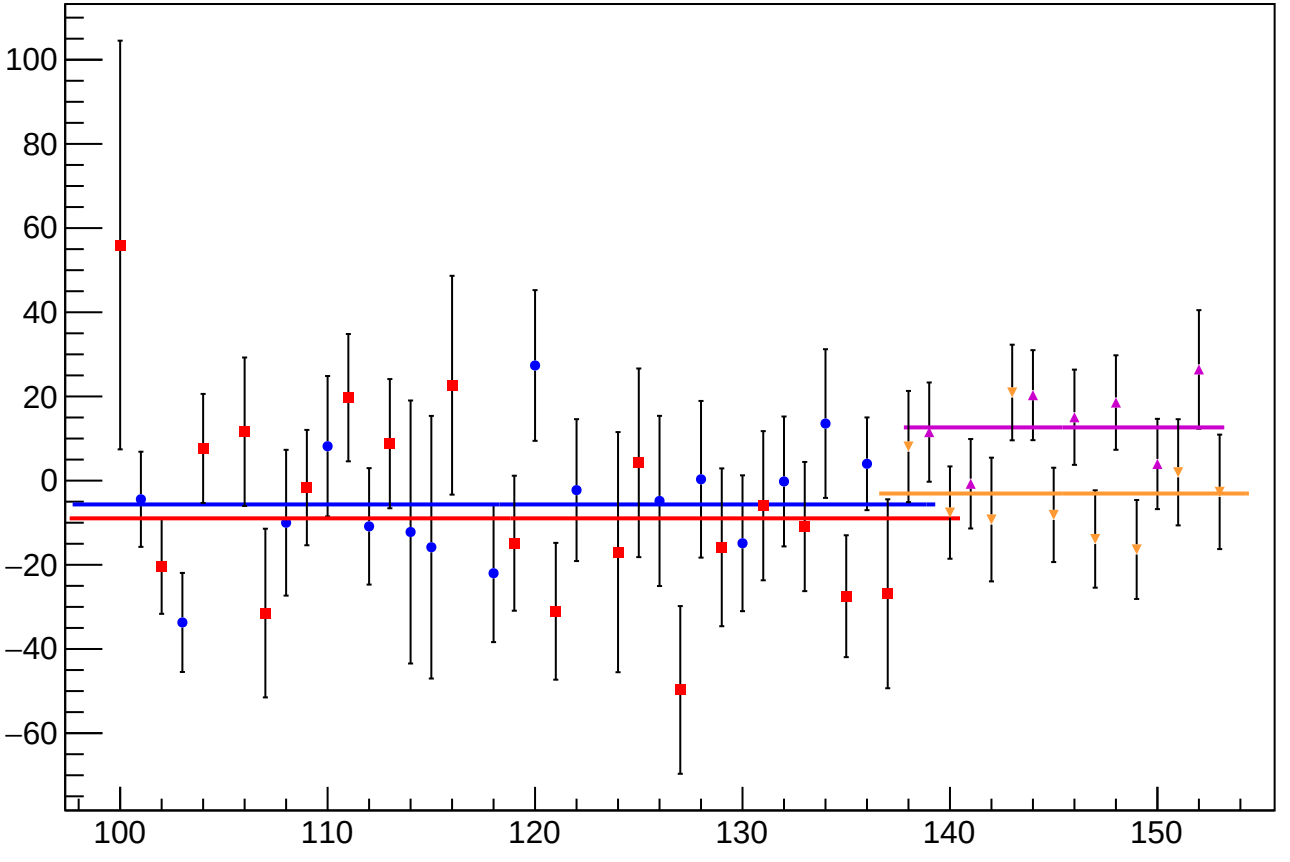
Left In: 217.413+/-0.066 χ^2/NDF:499111.3/6

+ sign 211.672+/-0.042 χ^2/NDF: 2024759.9/24

All: 198.864+/-0.029 χ^2/NDF: 4658349.0/50

- sign 187.748+/-0.039 χ^2/NDF: 2458683.7/25

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -3.062+/-4.056 χ^2/NDF:8.0/8

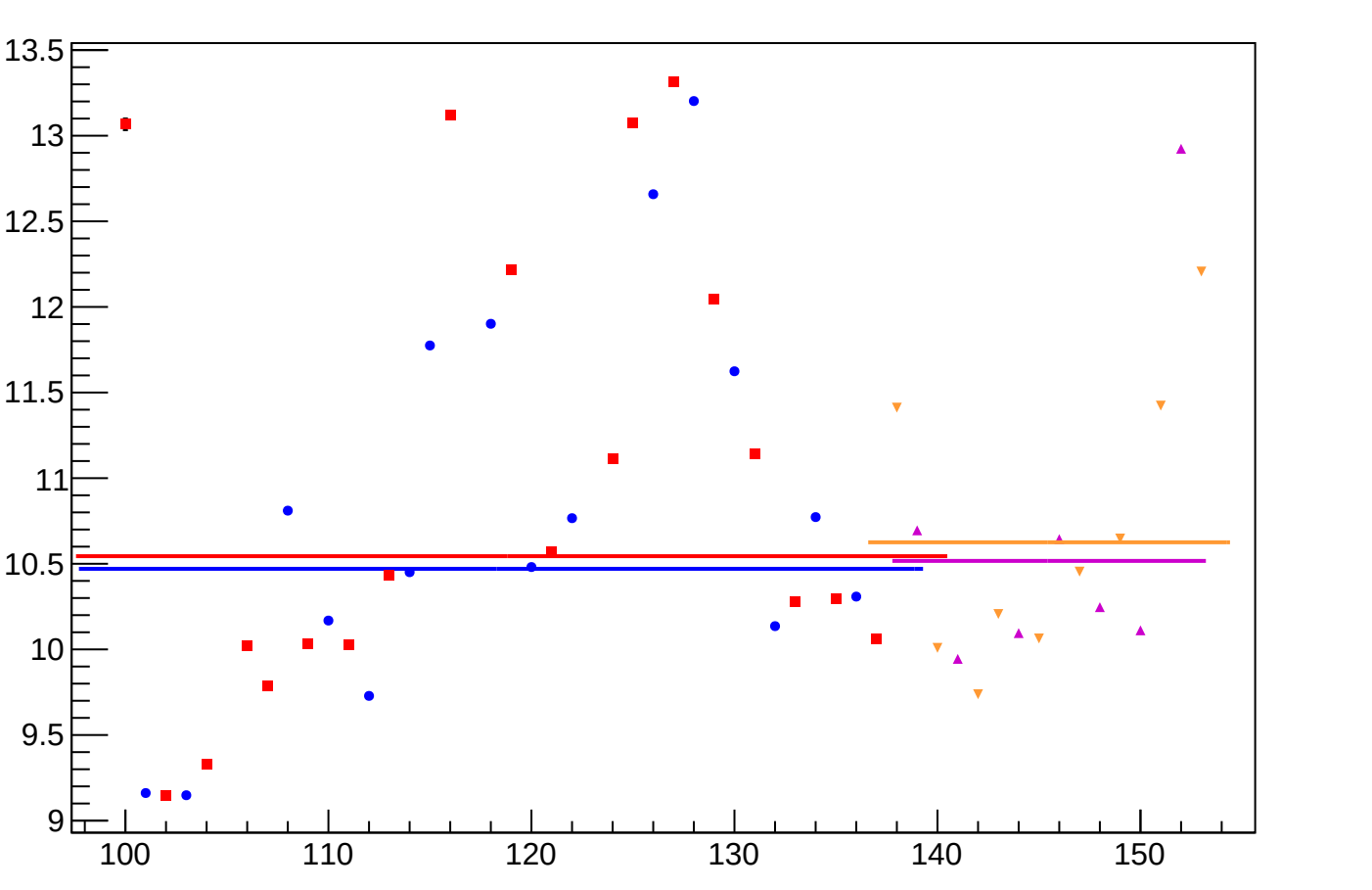
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 12.647+/-4.292 χ^2/NDF:4.0/6

+ sign -4.398+/-2.826 χ^2/NDF: 21.9/24

All: -1.846+/-2.019 χ^2/NDF: 64.3/50

- sign 0.815+/-2.887 χ^2/NDF: 40.7/25



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.625+/-0.003 χ^2/NDF:63939.2/8

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

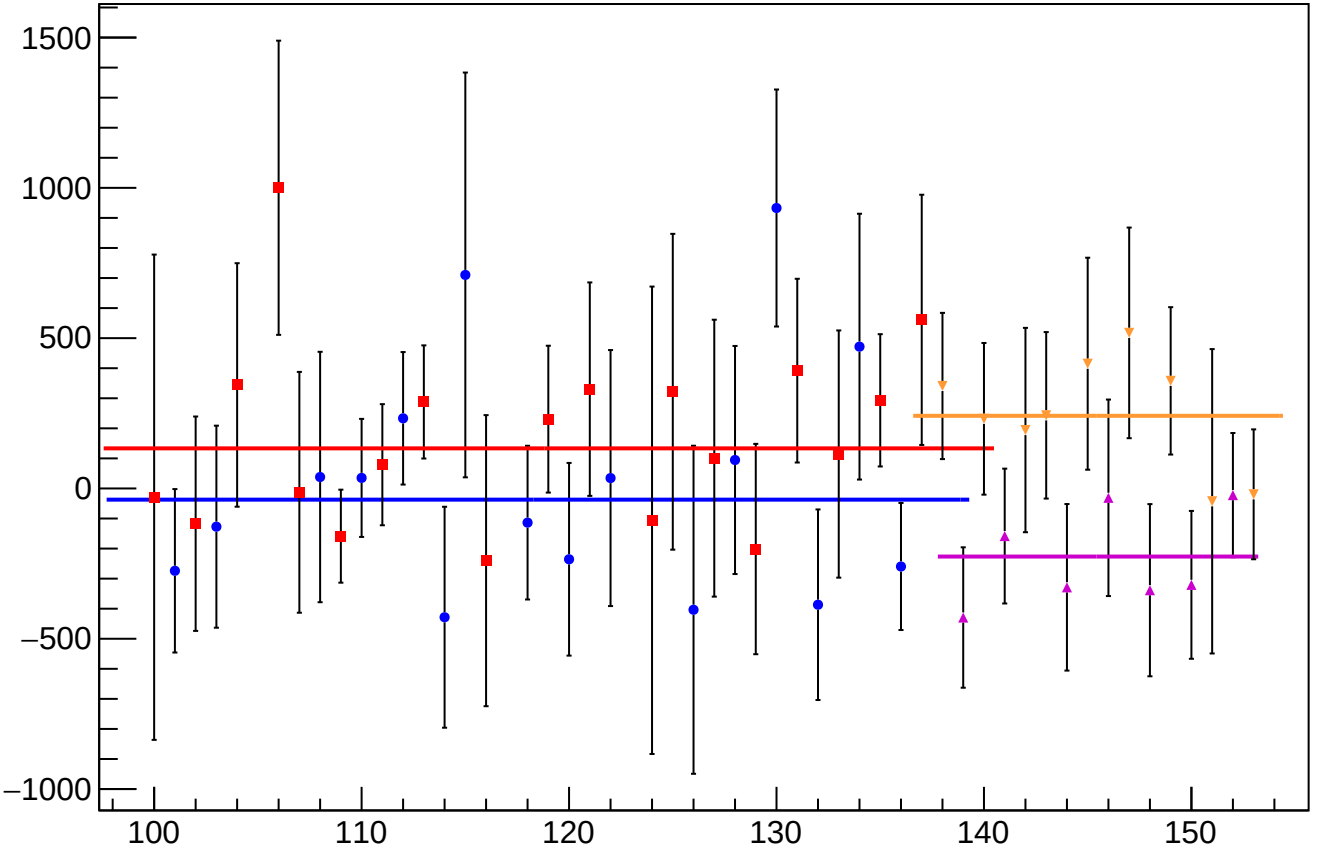
Left In: 10.517+/-0.003 χ^2/NDF:72084.0/6

+ sign 10.546+/-0.002 χ^2/NDF: 222805.0/24

All: 10.539+/-0.001 χ^2/NDF: 481738.1/50

- sign 10.532+/-0.002 χ^2/NDF: 258909.6/25

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 241.687+/-94.298 χ^2/NDF:3.1/8

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

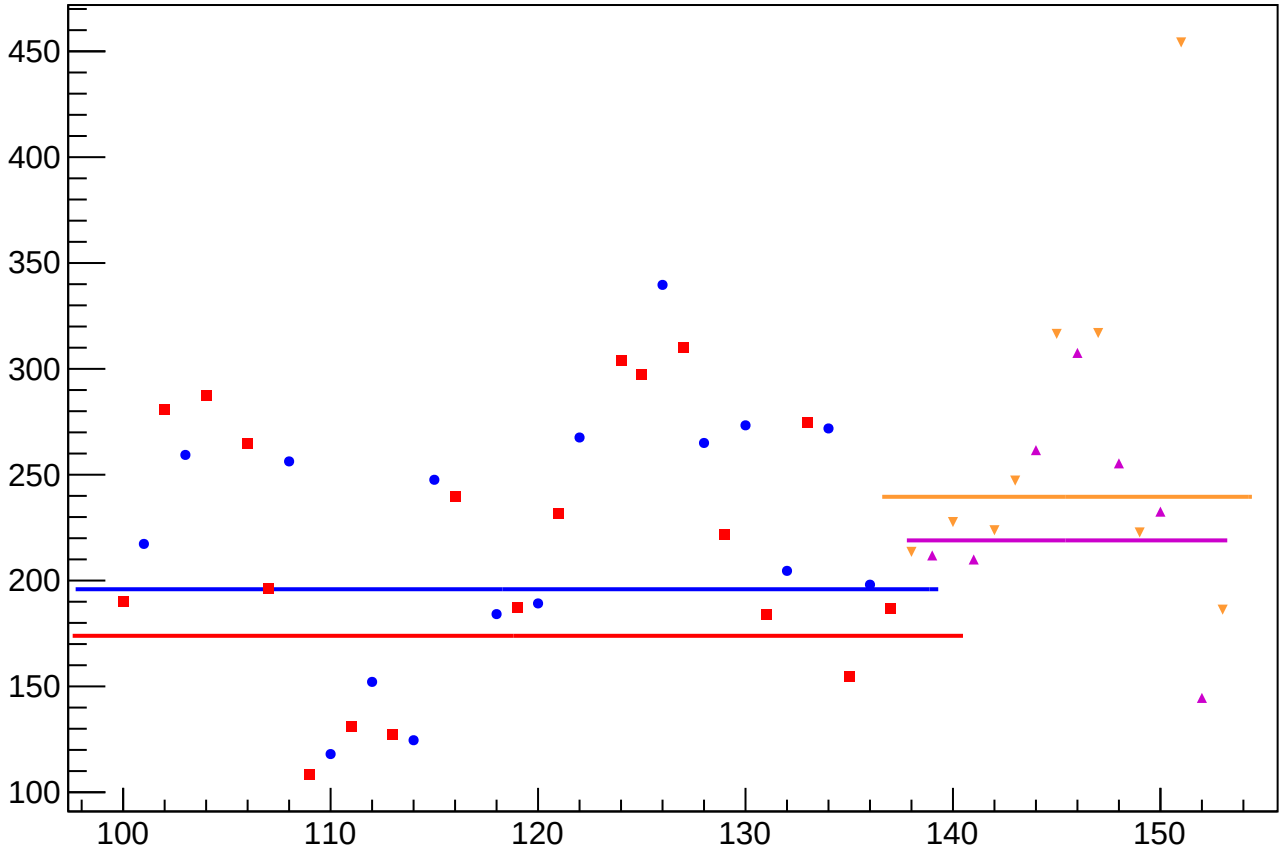
Left In: -226.522+/-94.175 χ^2/NDF:2.6/6

+ sign 74.193+/-59.603 χ^2/NDF: 24.0/24

All: 38.766+/-40.656 χ^2/NDF: 49.6/50

- sign 7.940+/-55.599 χ^2/NDF: 25.0/25

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 239.567+/-0.067 χ^2/NDF:716678.7/8

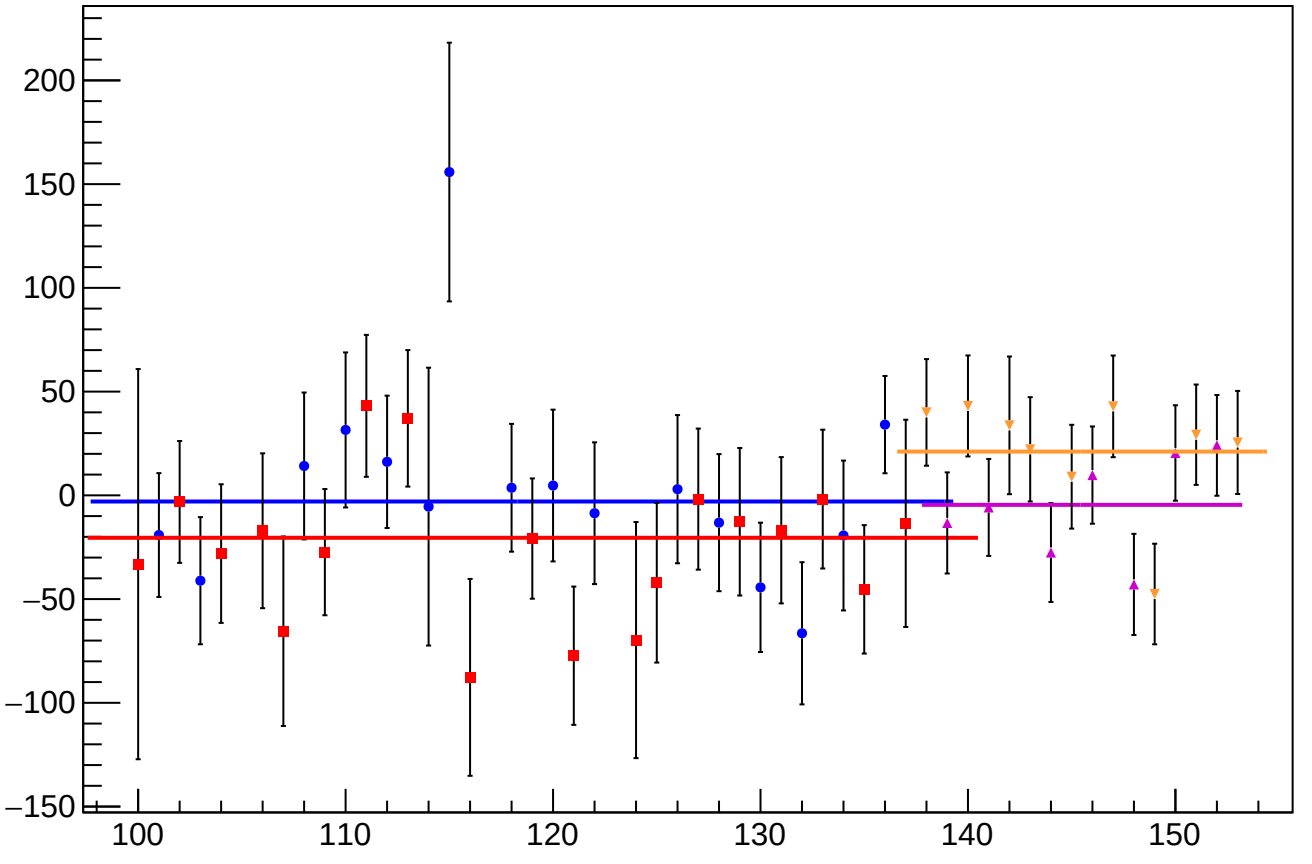
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 218.974+/-0.067 χ^2/NDF:497111.3/6

+ sign 213.345+/-0.042 χ^2/NDF: 1985233.2/24

All: 200.654+/-0.029 χ^2/NDF: 4549967.1/50

- sign 189.611+/-0.039 χ^2/NDF: 2395164.5/25



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 21.091+/-8.455 χ^2/NDF:10.7/8

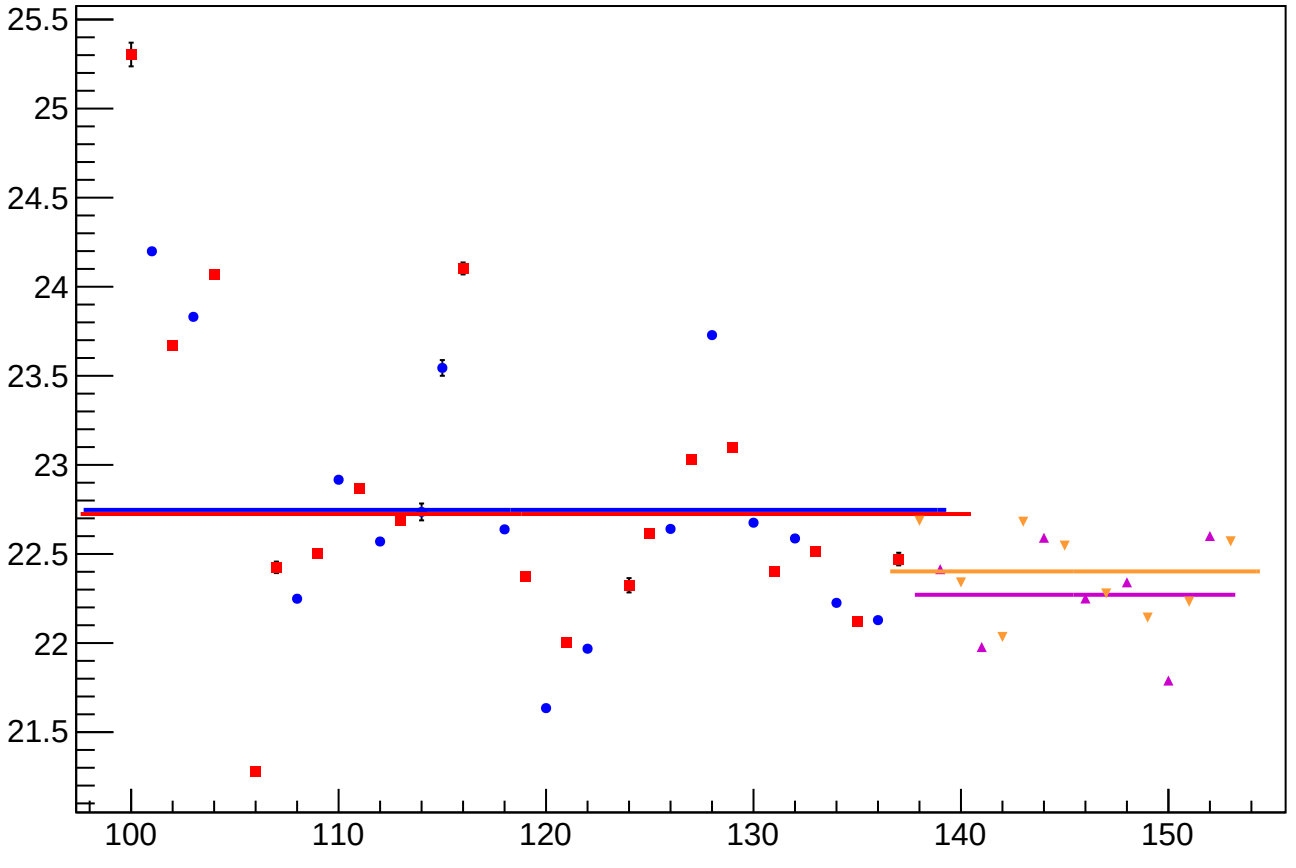
Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: -4.582+/-8.992 χ^2/NDF:6.5/6

+ sign 9.060+/-5.978 χ^2/NDF: 32.7/24

All: -1.834+/-4.268 χ^2/NDF: 62.9/50

- sign -13.162+/-6.096 χ^2/NDF: 23.5/25



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.402+/-0.006 χ^2/NDF:1287.5/8

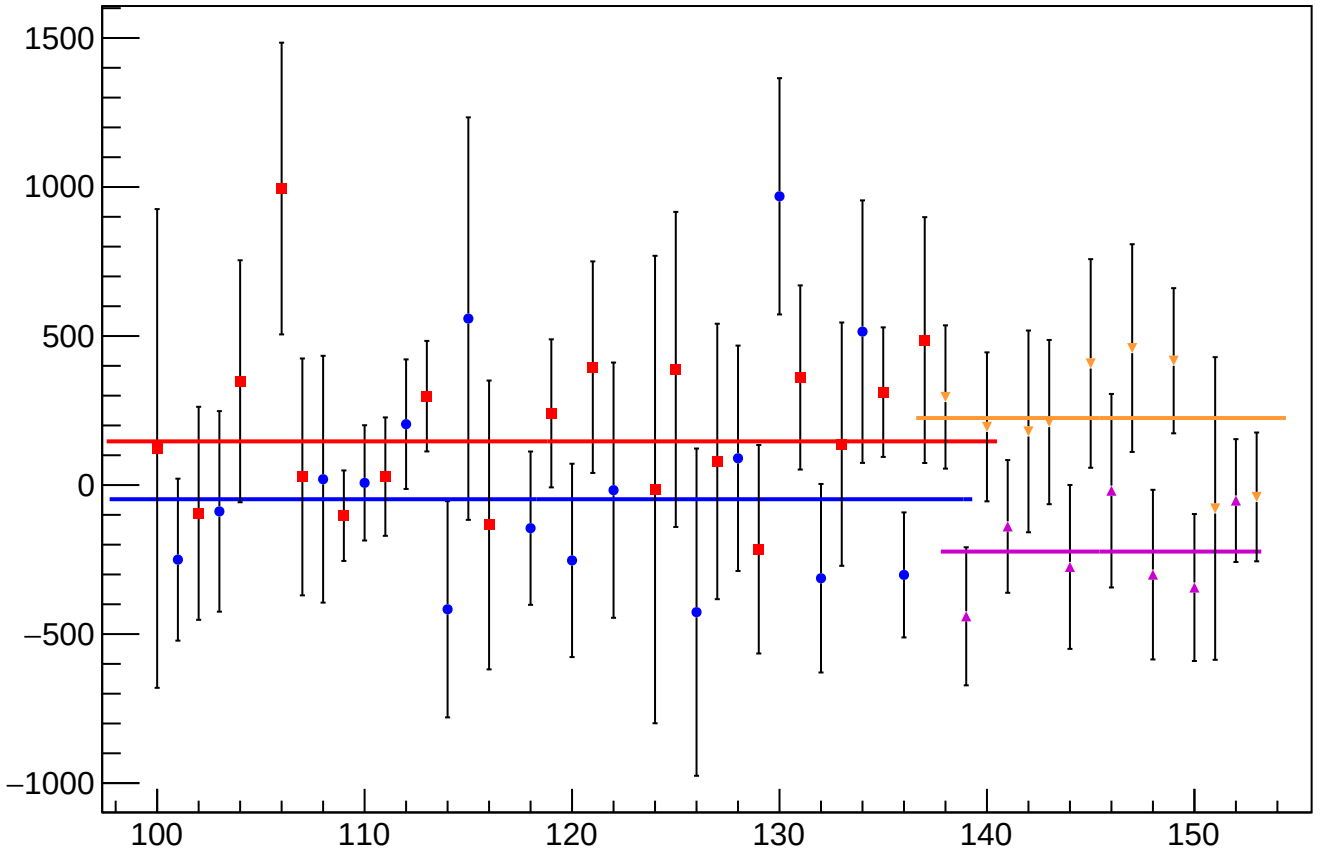
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.271+/-0.006 χ^2/NDF:2009.6/6

\+ sign 22.575+/-0.004 χ^2/NDF: 17578.7/24

All: 22.546+/-0.003 χ^2/NDF: 36920.7/50

\- sign 22.516+/-0.004 χ^2/NDF: 19246.9/25



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 224.885+/-93.749 χ^2/NDF:3.3/8

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

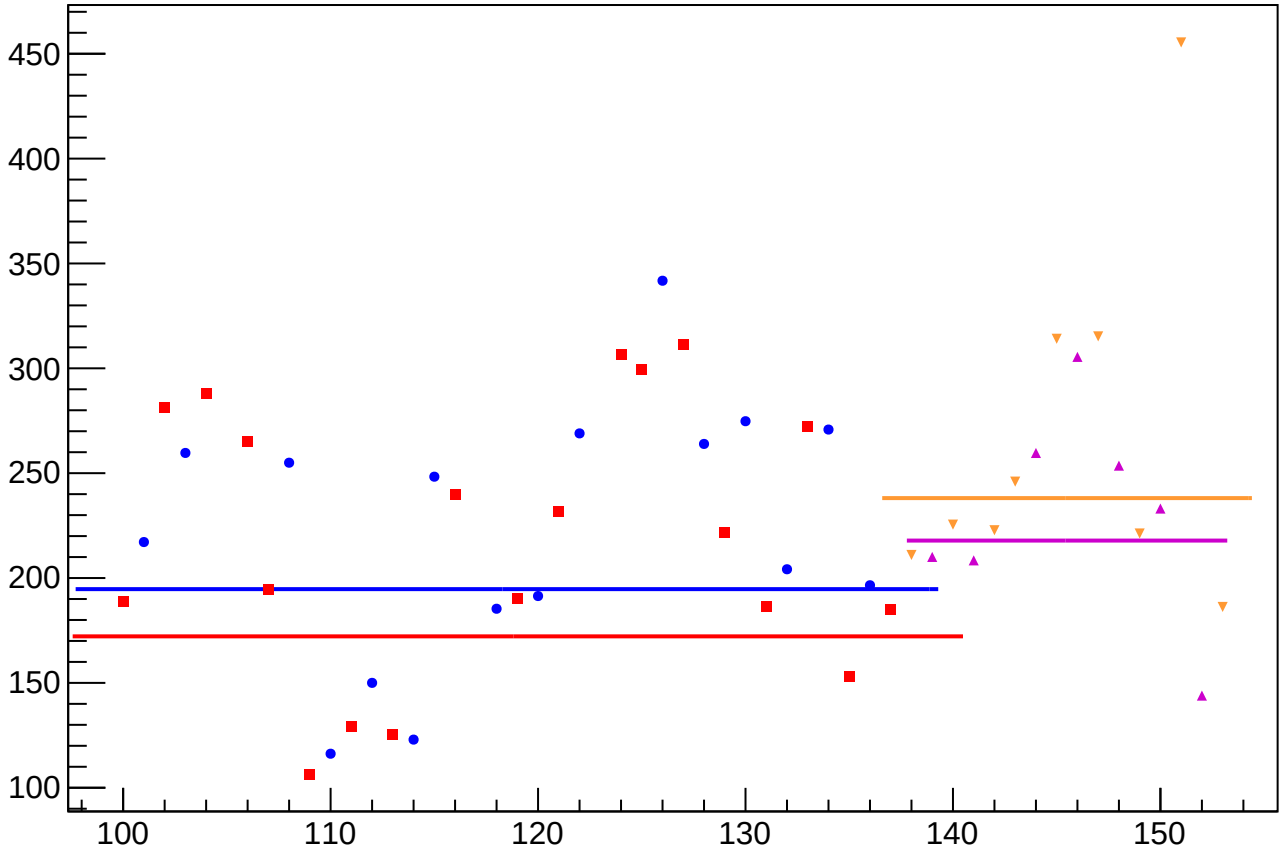
Left In: -223.164+/-93.713 χ^2/NDF:2.5/6

+ sign 61.484+/-59.304 χ^2/NDF: 23.8/24

All: 38.240+/-40.424 χ^2/NDF: 48.3/50

- sign 18.067+/-55.248 χ^2/NDF: 24.2/25

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 238.114+/-0.066 χ^2/NDF:719808.5/8

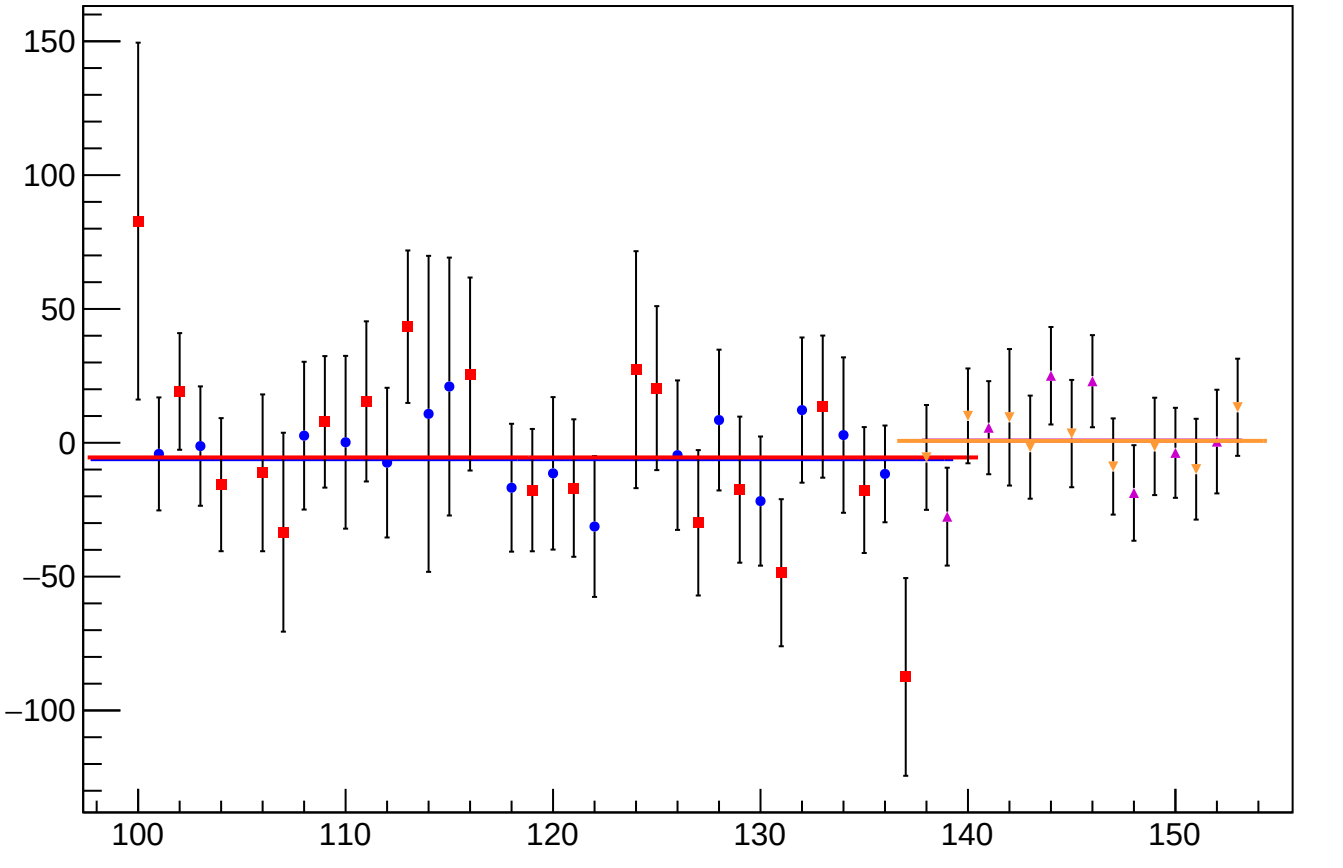
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 217.863+/-0.066 χ^2/NDF:494113.5/6

+ sign 212.077+/-0.042 χ^2/NDF: 2029271.2/24

All: 199.220+/-0.029 χ^2/NDF: 4680046.4/50

- sign 188.061+/-0.039 χ^2/NDF: 2475183.6/25



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 0.718+/-6.390 χ^2/NDF:1.6/8

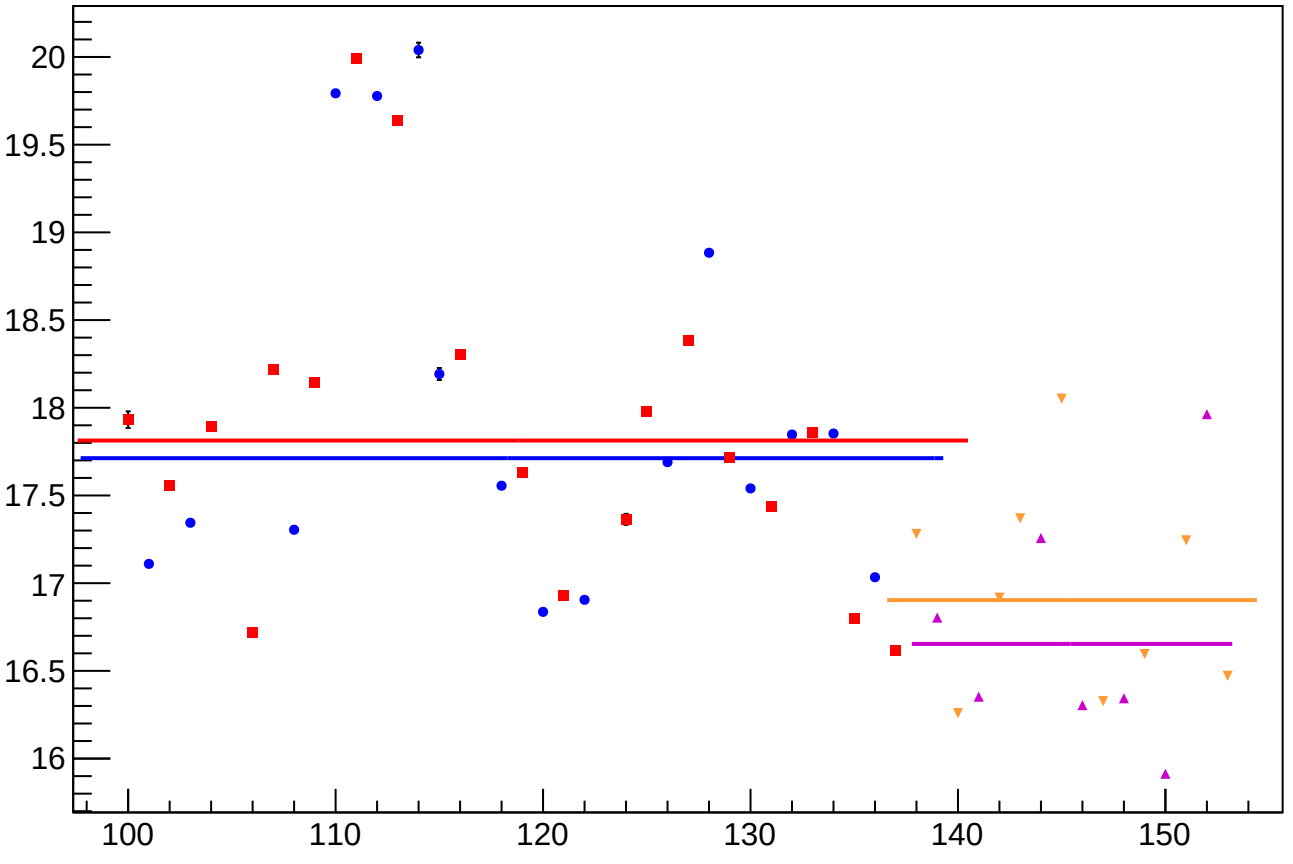
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 0.839+/-6.738 χ^2/NDF:7.2/6

+ sign -2.594+/-4.588 χ^2/NDF: 5.3/24

All: -2.511+/-3.277 χ^2/NDF: 32.1/50

- sign -2.425+/-4.681 χ^2/NDF: 26.8/25



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.904+/-0.005 χ^2/NDF:15541.2/8

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

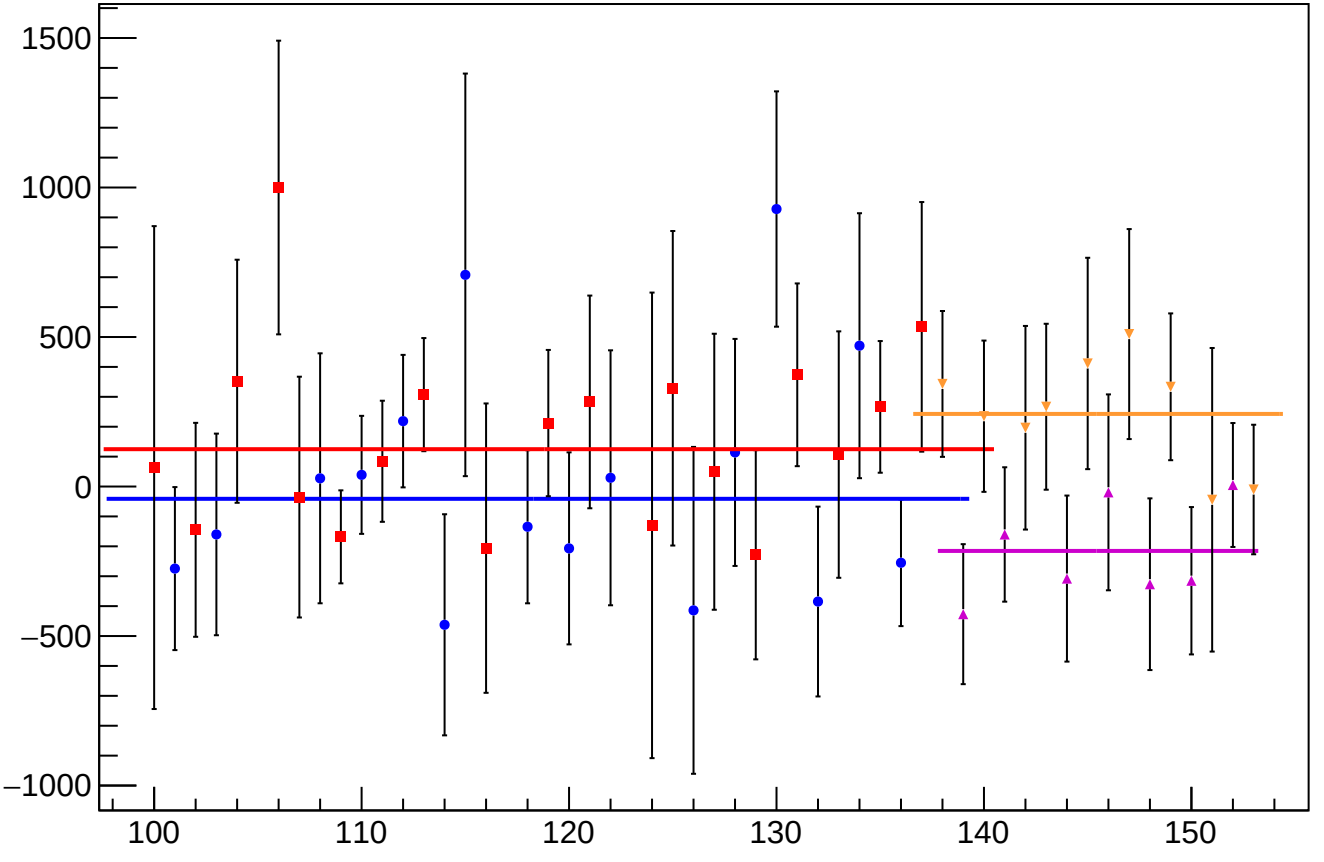
Left In: 16.654+/-0.005 χ^2/NDF:17382.0/6

\+ sign 17.296+/-0.003 χ^2/NDF: 67056.4/24

All: 17.275+/-0.002 χ^2/NDF: 147871.3/50

\- sign 17.254+/-0.003 χ^2/NDF: 80733.0/25

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 242.798+/-94.509 χ^2/NDF:2.8/8

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

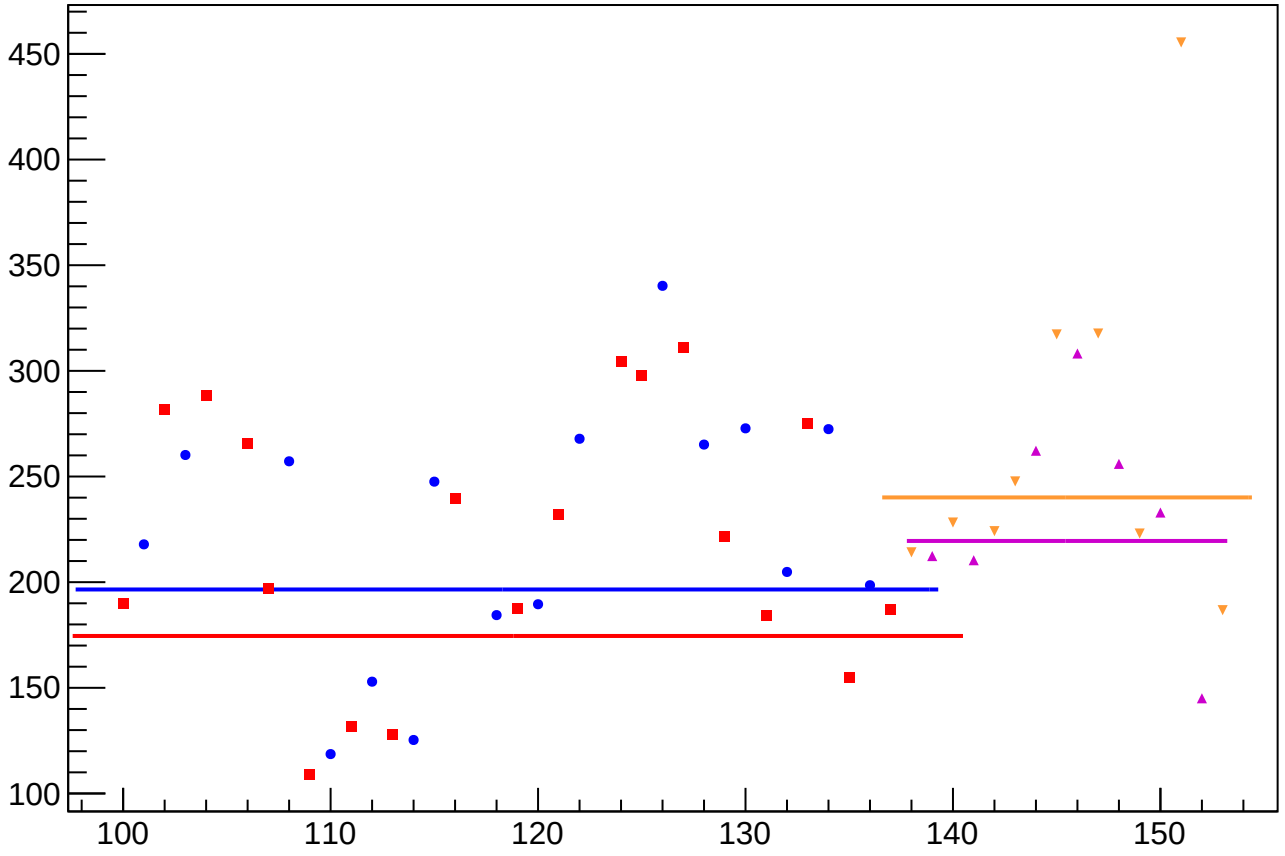
Left In: -215.395+/-94.396 χ^2/NDF:2.8/6

+ sign 72.402+/-59.760 χ^2/NDF: 23.8/24

All: 36.978+/-40.770 χ^2/NDF: 48.6/50

- sign 6.136+/-55.762 χ^2/NDF: 24.1/25

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 240.105+/-0.067 χ^2/NDF:716747.9/8

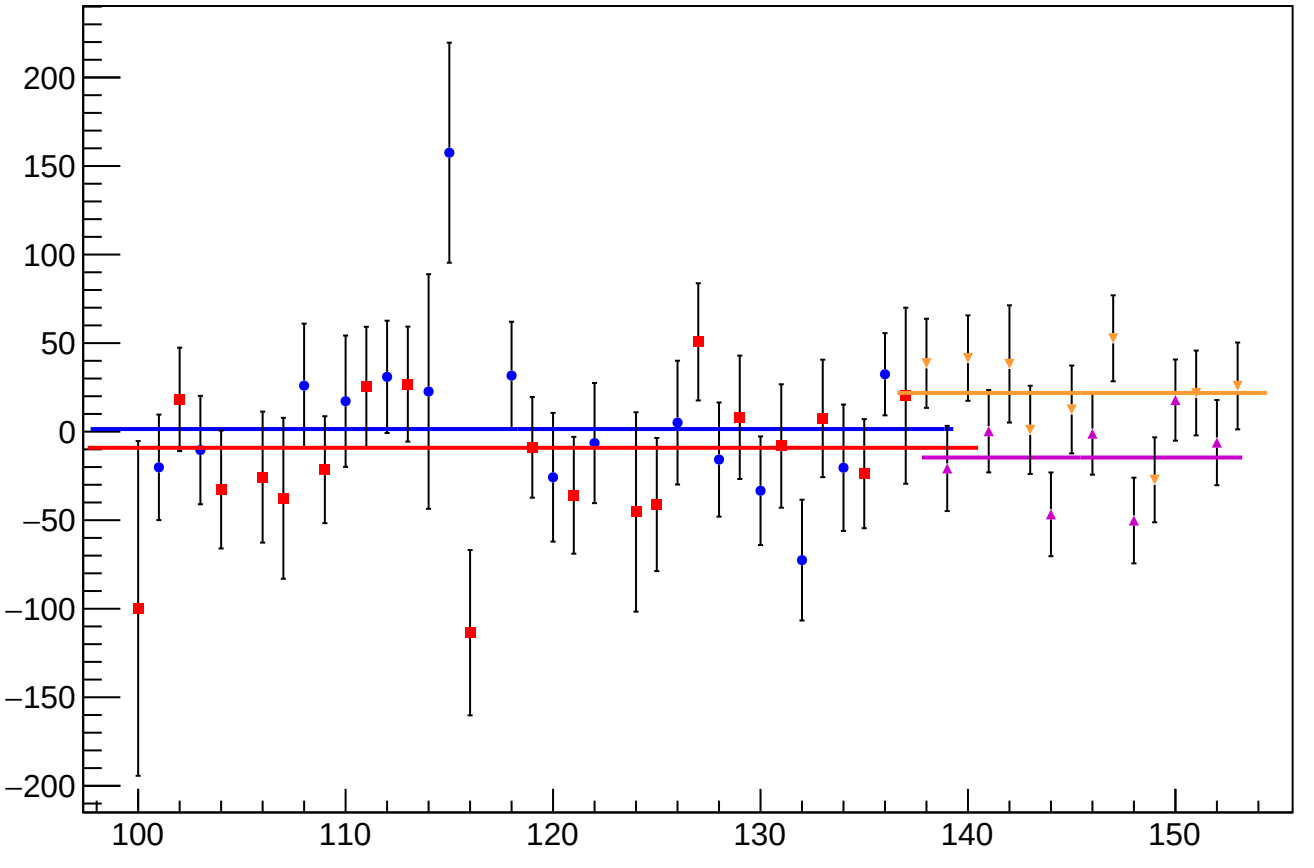
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 219.507+/-0.067 χ^2/NDF:495561.7/6

+ sign 213.960+/-0.042 χ^2/NDF: 1972543.1/24

All: 201.275+/-0.029 χ^2/NDF: 4520865.2/50

- sign 190.231+/-0.039 χ^2/NDF: 2379765.2/25



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 21.869+/-8.365 χ^2/NDF:8.0/8

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

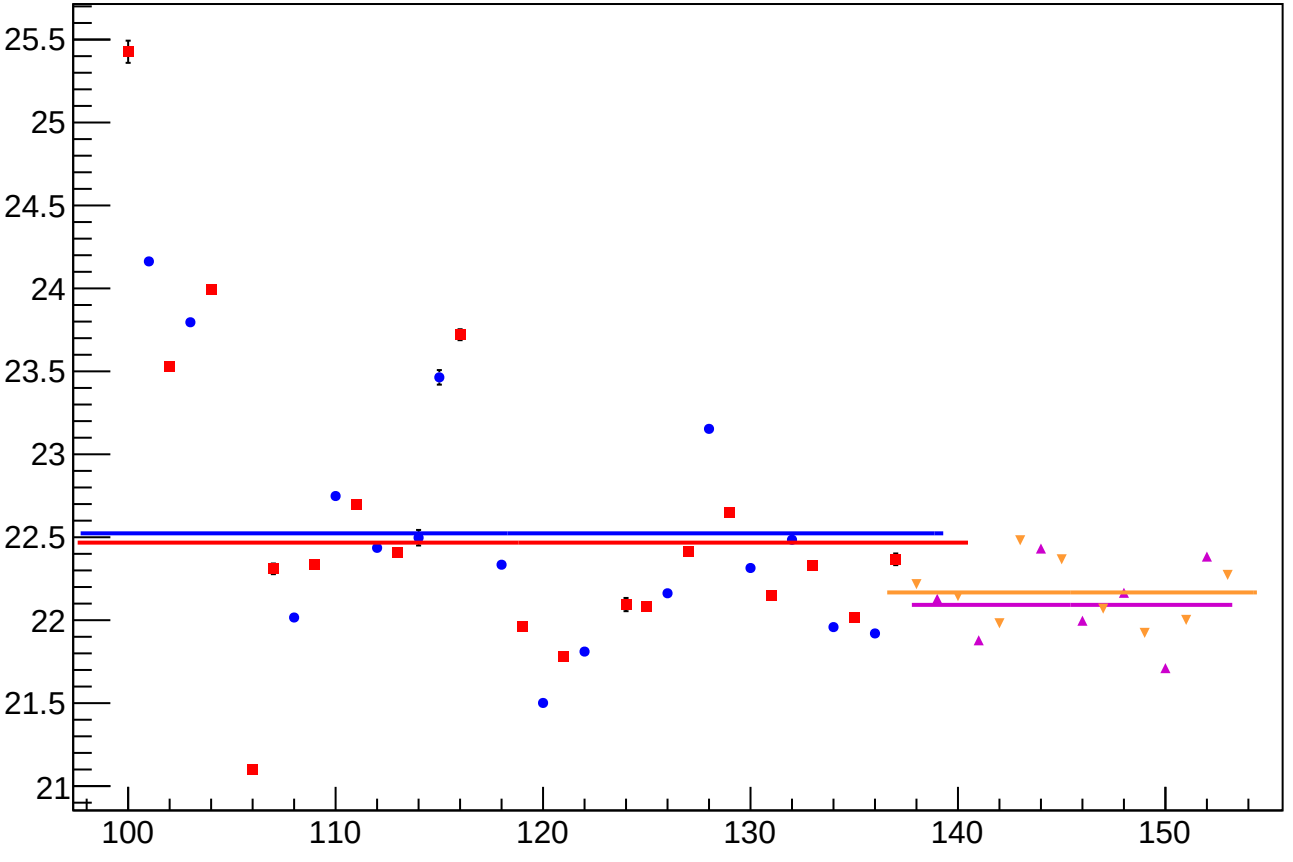
Left In: -14.607+/-8.919 χ^2/NDF:6.9/6

+ sign 11.679+/-5.917 χ^2/NDF: 29.7/24

All: 0.256+/-4.225 χ^2/NDF: 60.9/50

- sign -11.629+/-6.036 χ^2/NDF: 23.6/25

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.167+/-0.006 χ^2/NDF:892.6/8

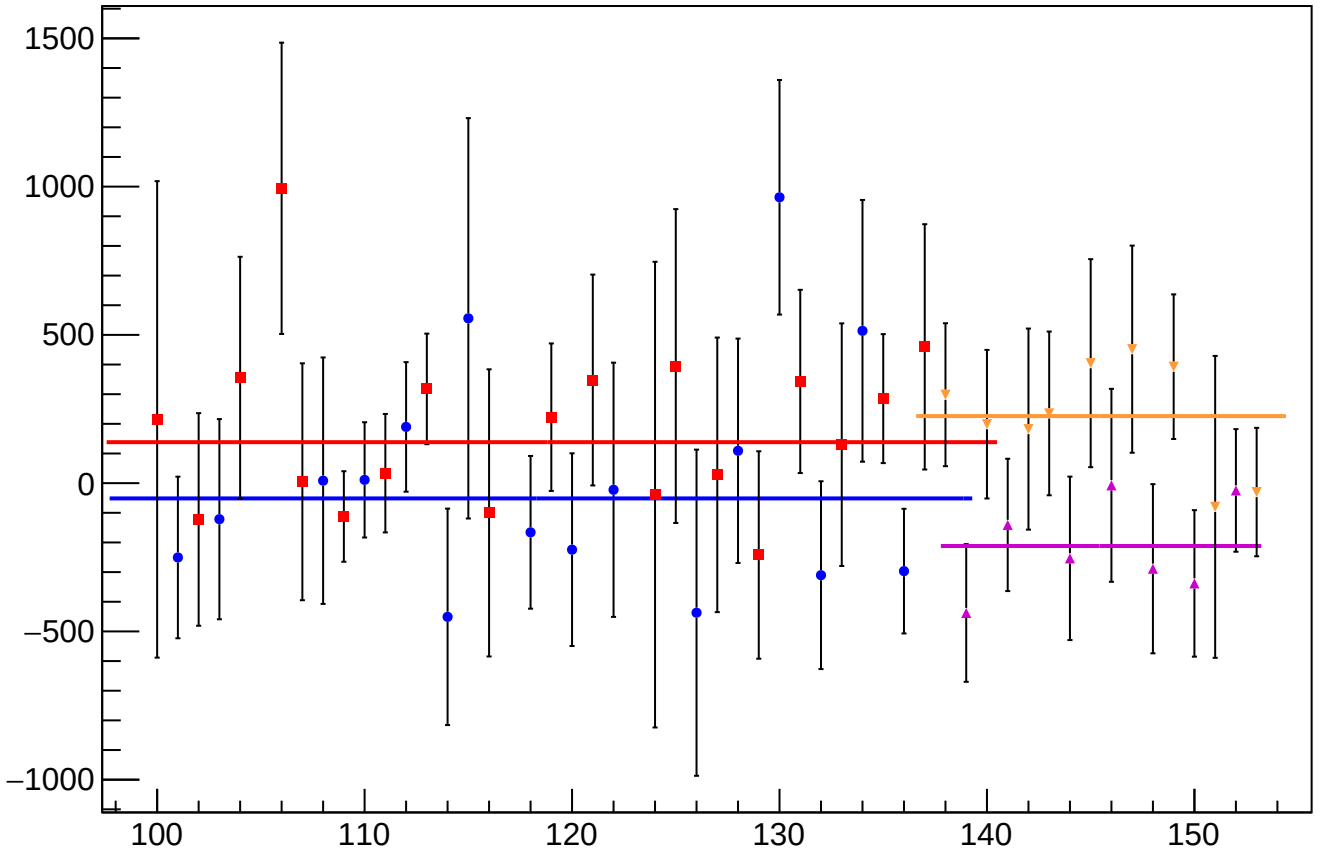
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.092+/-0.006 χ^2/NDF:1483.9/6

+ sign 22.345+/-0.004 χ^2/NDF: 18653.4/24

All: 22.321+/-0.003 χ^2/NDF: 37751.4/50

- sign 22.296+/-0.004 χ^2/NDF: 19029.2/25



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 226.167+/-93.960 χ^2/NDF:3.0/8

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

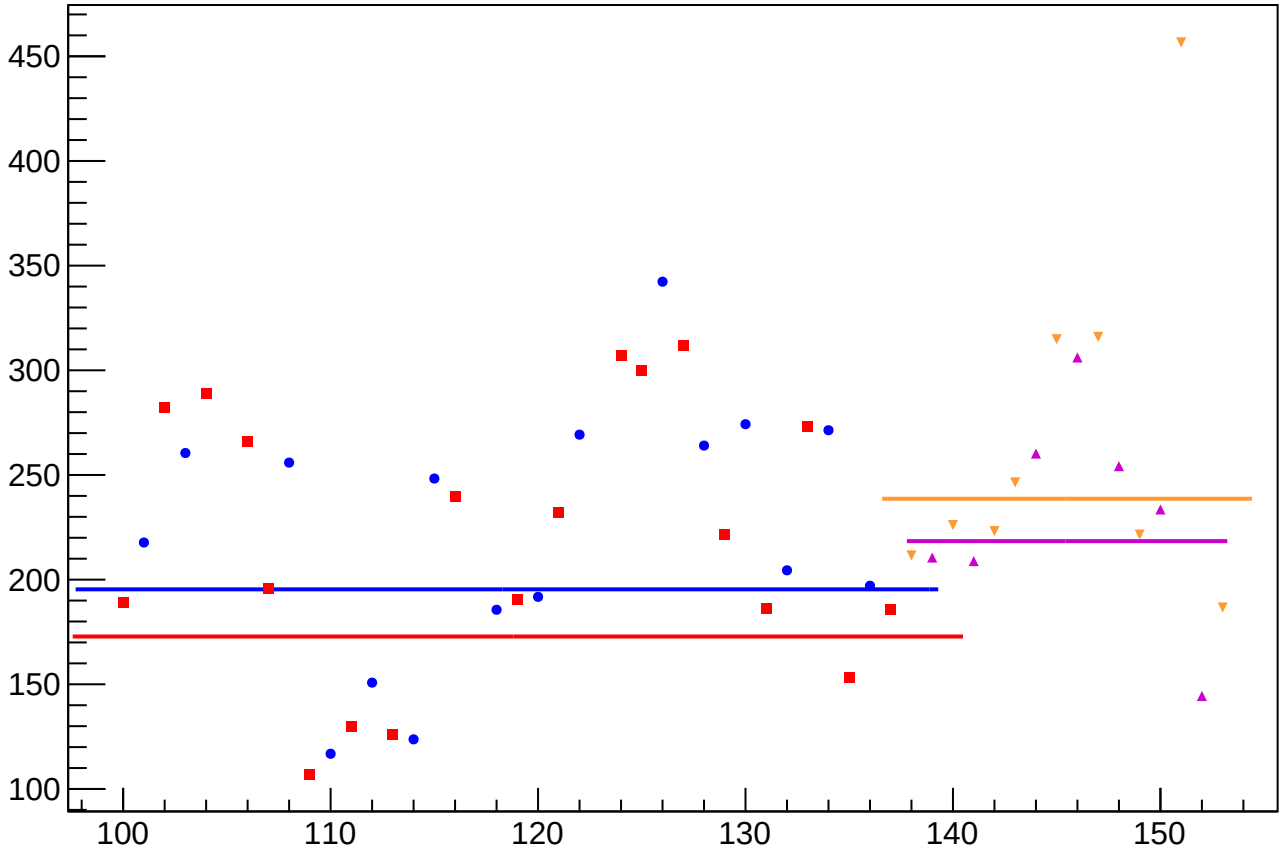
Left In: -211.977+/-93.936 χ^2/NDF:2.6/6

+ sign 59.710+/-59.463 χ^2/NDF: 23.6/24

All: 36.495+/-40.539 χ^2/NDF: 47.2/50

- sign 16.334+/-55.413 χ^2/NDF: 23.3/25

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 238.650+/-0.066 χ^2/NDF:719902.1/8

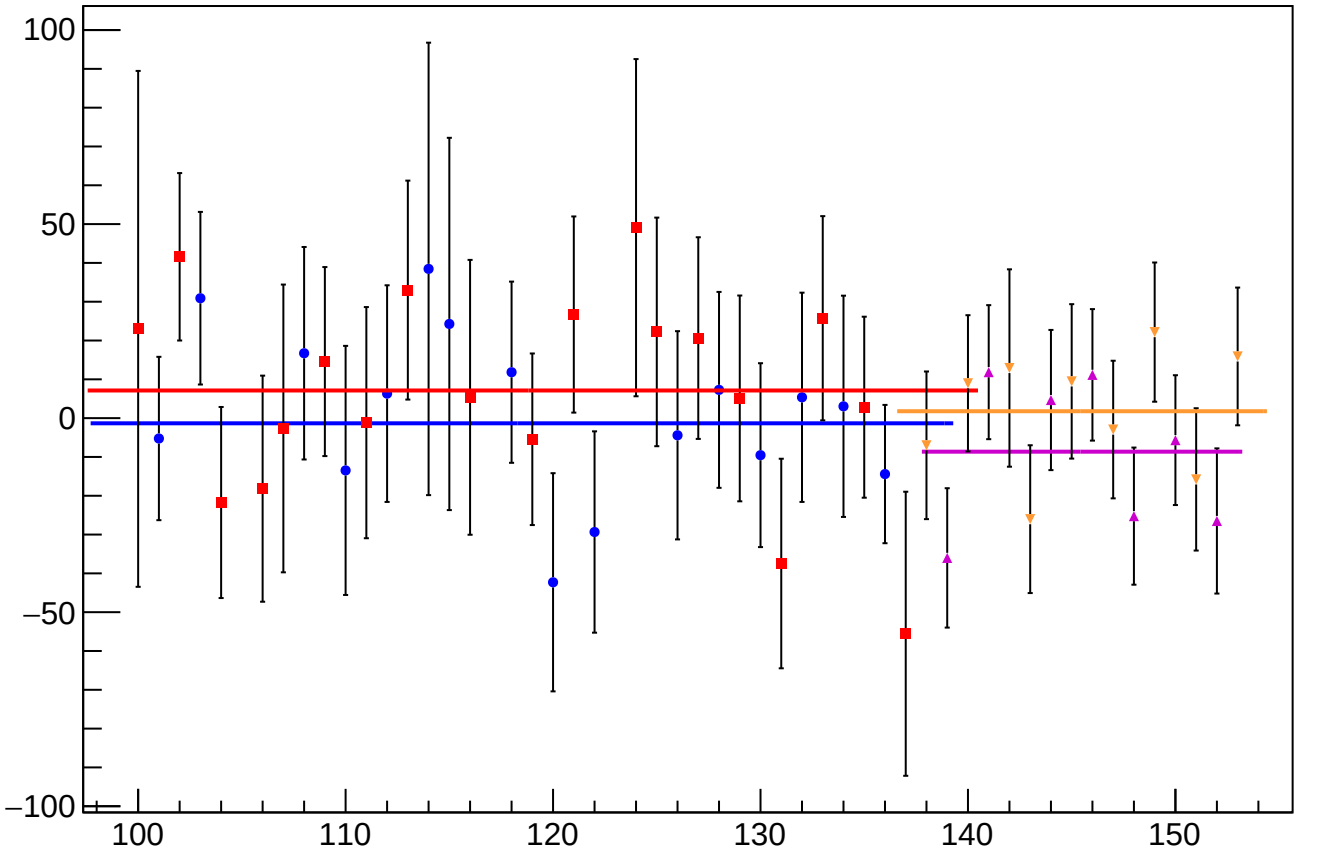
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 218.402+/-0.066 χ^2/NDF:492463.7/6

+ sign 212.698+/-0.042 χ^2/NDF: 2015832.7/24

All: 199.850+/-0.029 χ^2/NDF: 4649004.1/50

- sign 188.693+/-0.039 χ^2/NDF: 2458716.3/25



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.781+/-6.290 χ^2/NDF:5.8/8

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

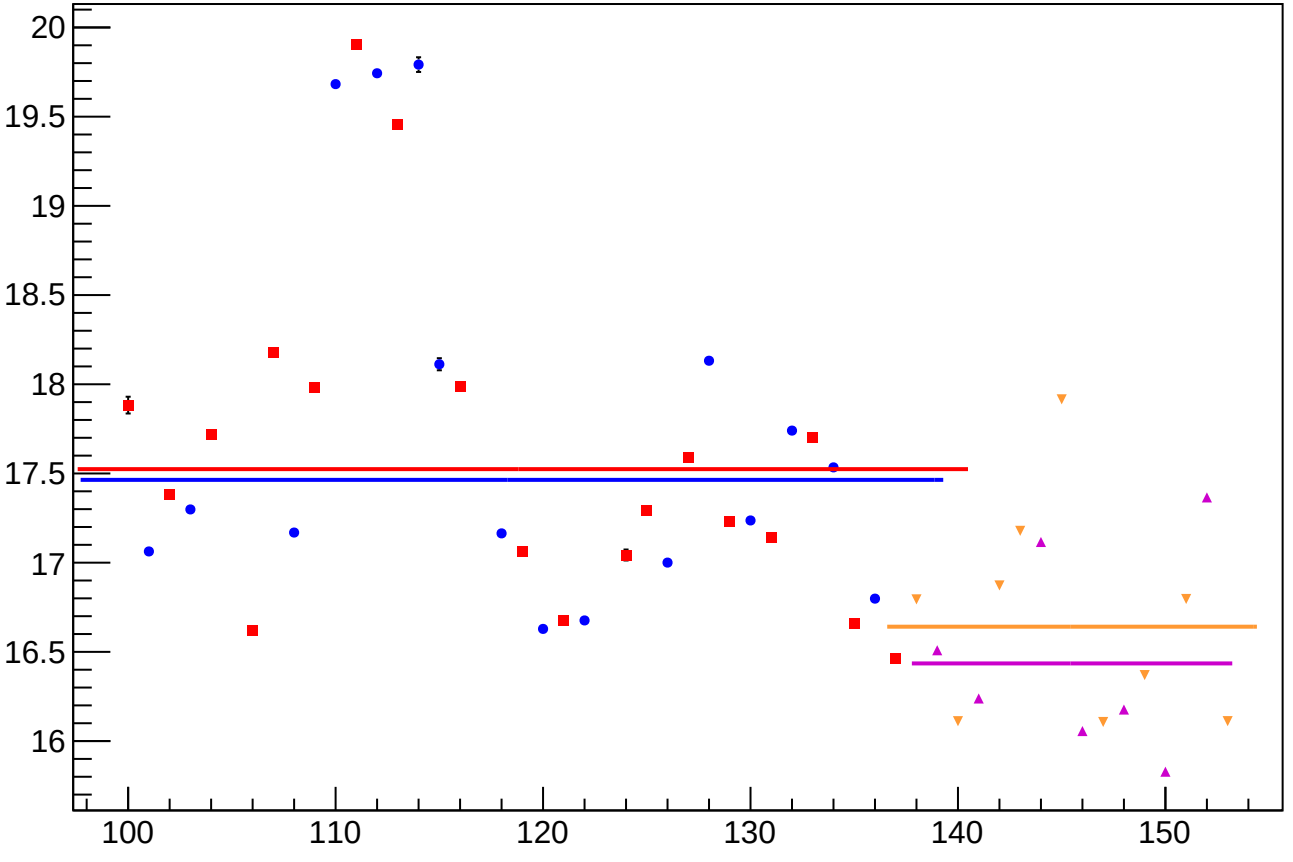
Left In: -8.643+/-6.646 χ^2/NDF:7.5/6

\+ sign 0.276+/-4.519 χ^2/NDF: 13.9/24

All: -0.086+/-3.228 χ^2/NDF: 38.7/50

\- sign -0.463+/-4.611 χ^2/NDF: 24.8/25

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.641+/-0.004 χ^2/NDF:16111.7/8

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

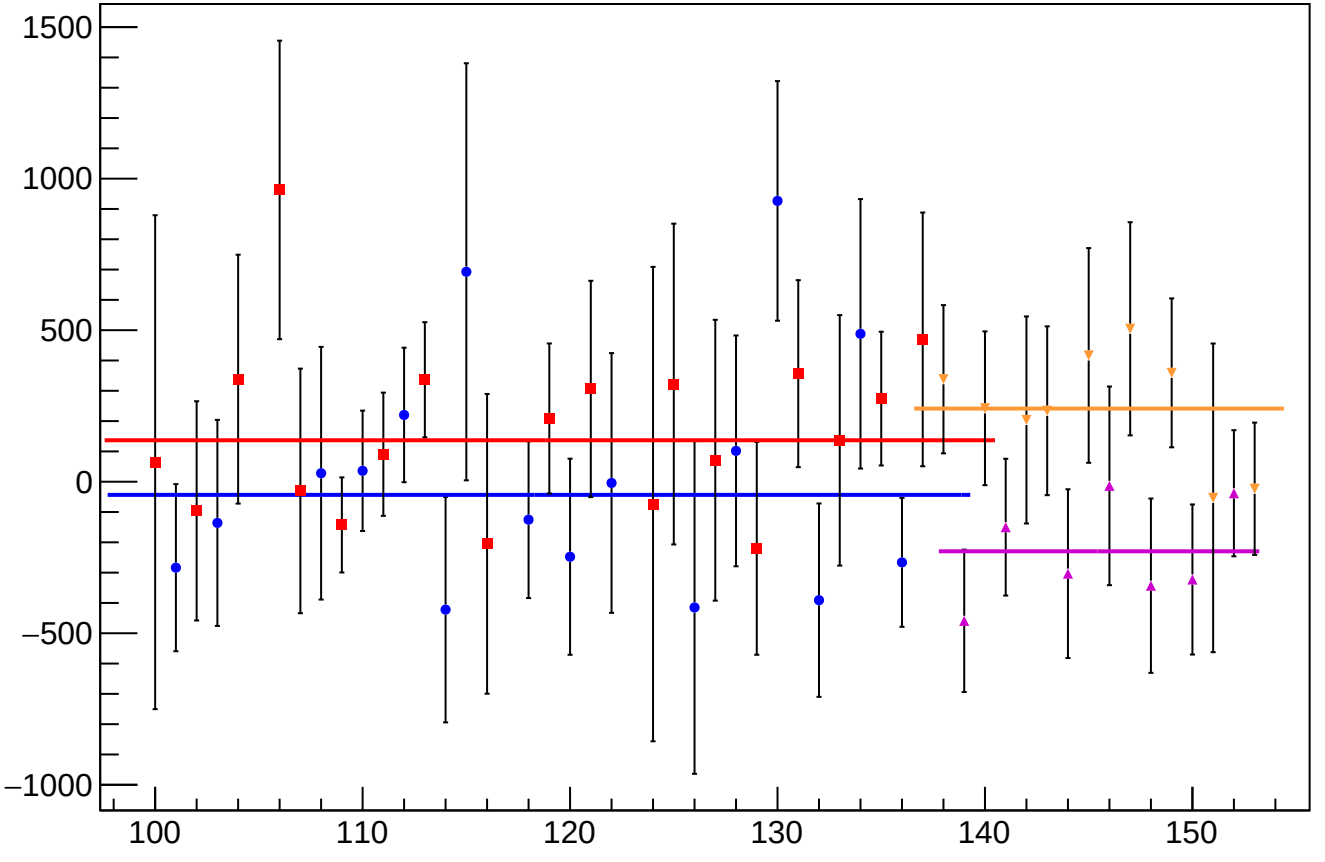
Left In: 16.435+/-0.005 χ^2/NDF:12147.0/6

\+ sign 17.039+/-0.003 χ^2/NDF: 69325.1/24

All: 17.020+/-0.002 χ^2/NDF: 144129.5/50

\- sign 17.000+/-0.003 χ^2/NDF: 74731.2/25

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 241.405+/-94.834 χ^2/NDF:3.0/8

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

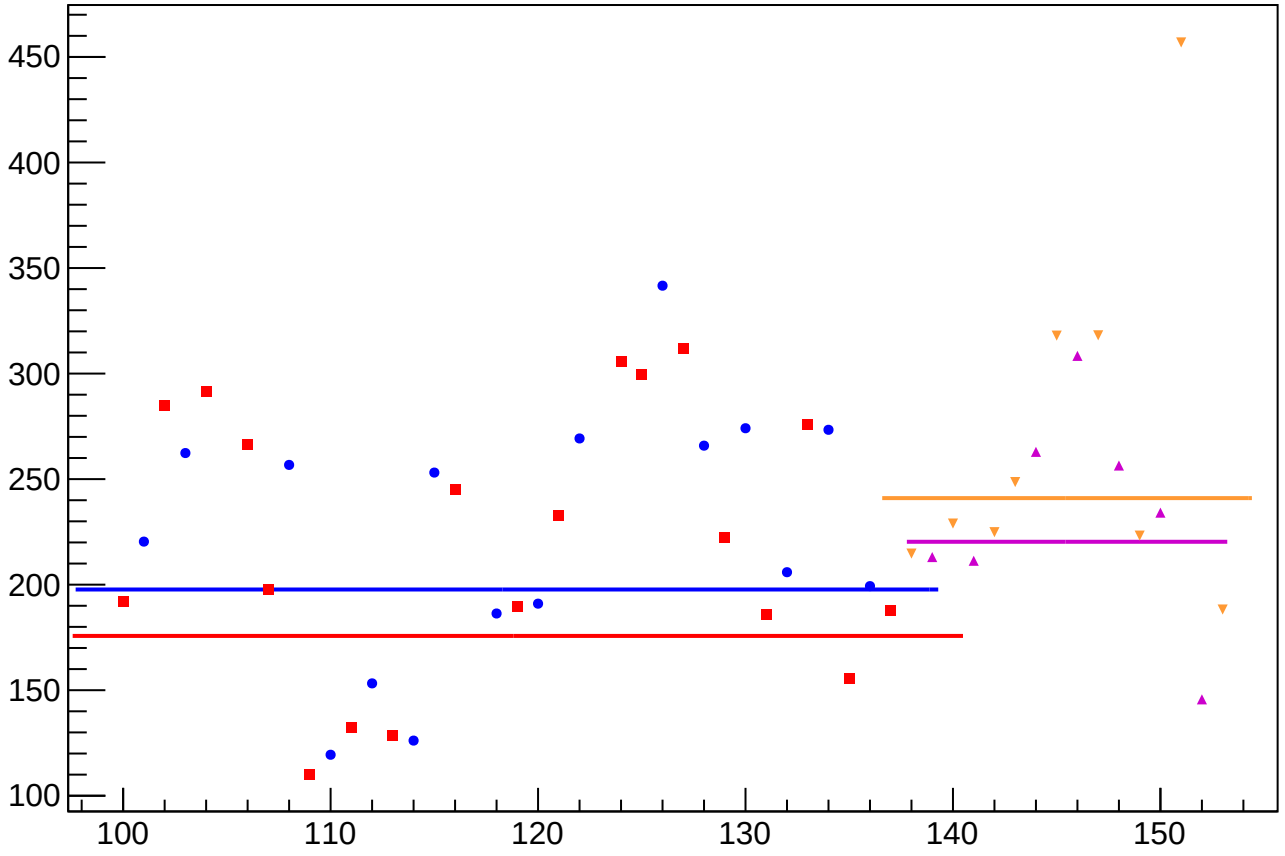
Left In: -229.605+/-94.721 χ^2/NDF:2.7/6

+ sign 70.800+/-60.049 χ^2/NDF: 23.9/24

All: 37.473+/-40.980 χ^2/NDF: 48.4/50

- sign 8.423+/-56.064 χ^2/NDF: 24.0/25

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 241.001+/-0.067 χ^2/NDF:711093.0/8

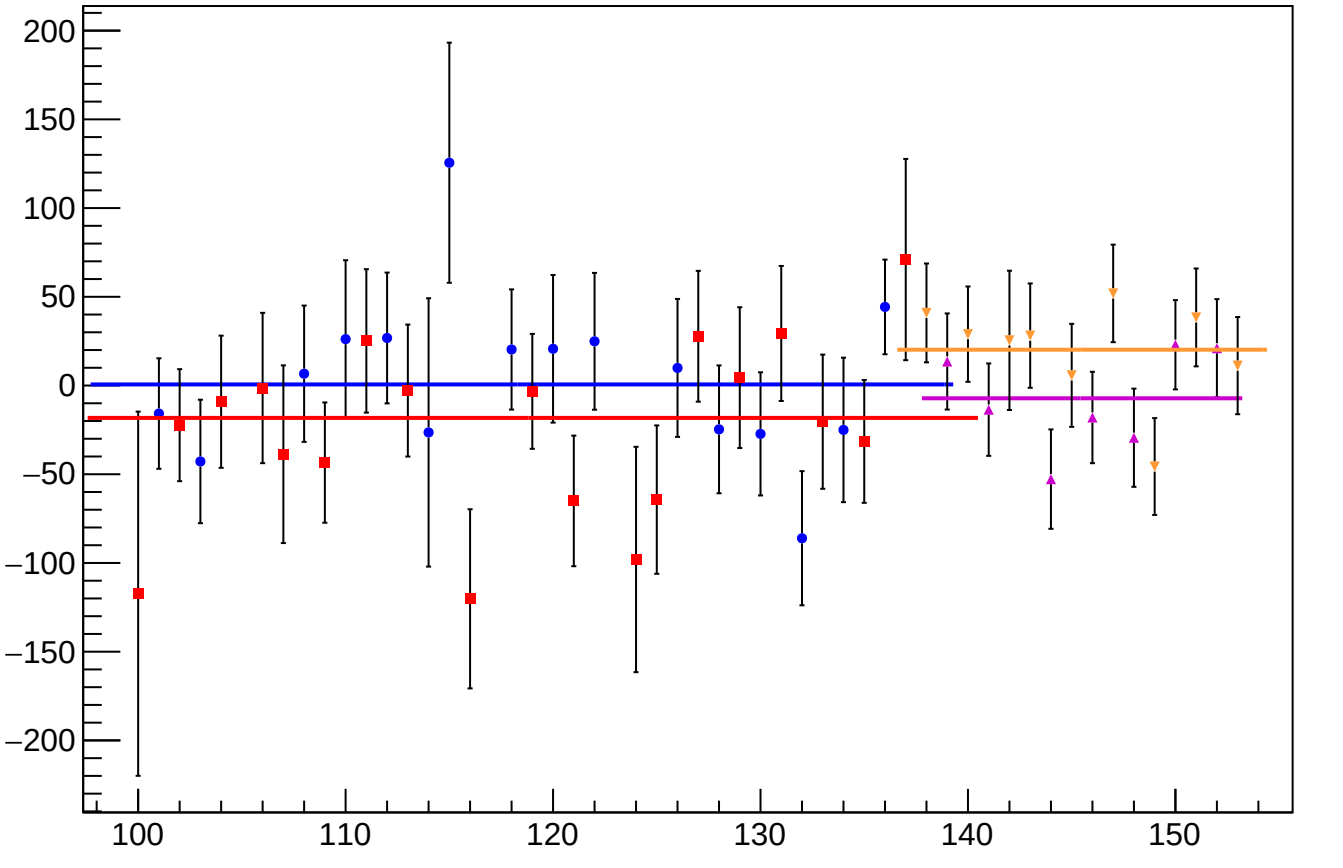
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 220.316+/-0.067 χ^2/NDF:491501.9/6

+ sign 215.066+/-0.042 χ^2/NDF: 1961116.2/24

All: 202.390+/-0.029 χ^2/NDF: 4498054.6/50

- sign 191.340+/-0.040 χ^2/NDF: 2370136.1/25



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 20.179+/-9.542 χ^2/NDF:8.7/8

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

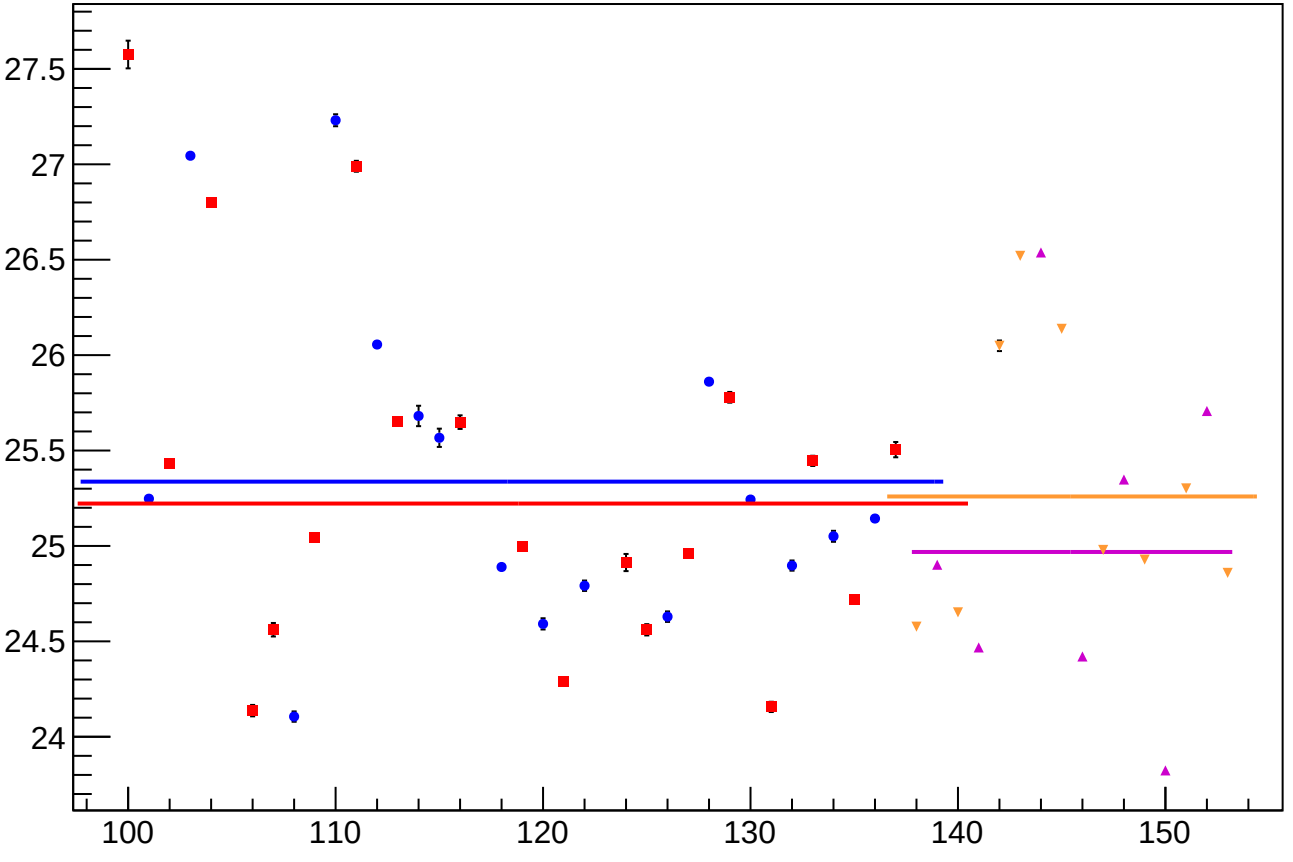
Left In: -7.199+/-10.094 χ^2/NDF:6.6/6

+ sign 10.275+/-6.704 χ^2/NDF: 27.6/24

All: -1.305+/-4.775 χ^2/NDF: 58.8/50

- sign -13.230+/-6.803 χ^2/NDF: 25.2/25

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.259+/-0.007 χ^2/NDF:9479.8/8

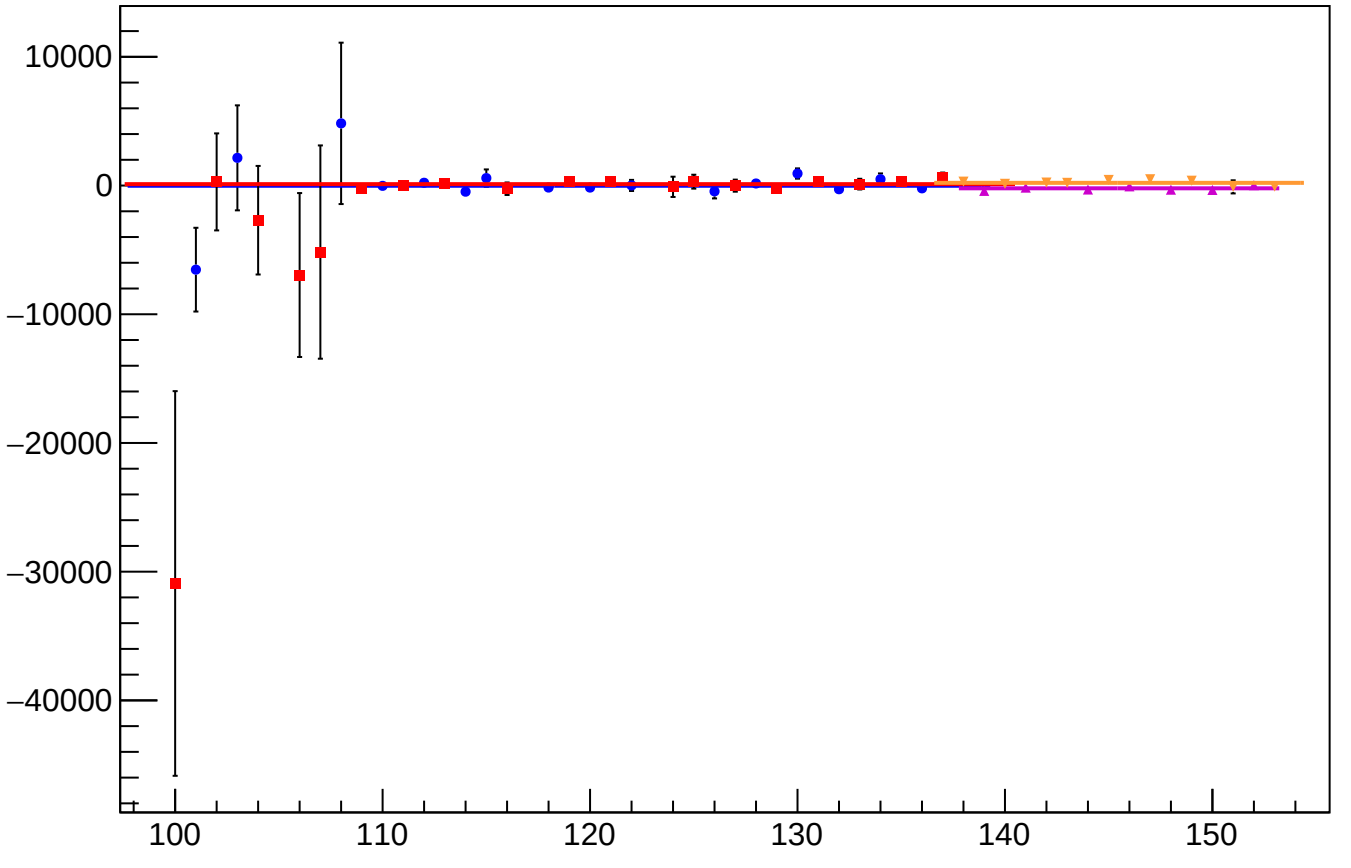
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.968+/-0.007 χ^2/NDF:13879.3/6

+ sign 25.299+/-0.005 χ^2/NDF: 23862.1/24

All: 25.204+/-0.003 χ^2/NDF: 54461.4/50

- sign 25.107+/-0.005 χ^2/NDF: 29793.4/25



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 209.716+/-96.473 χ^2/NDF:3.7/8

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

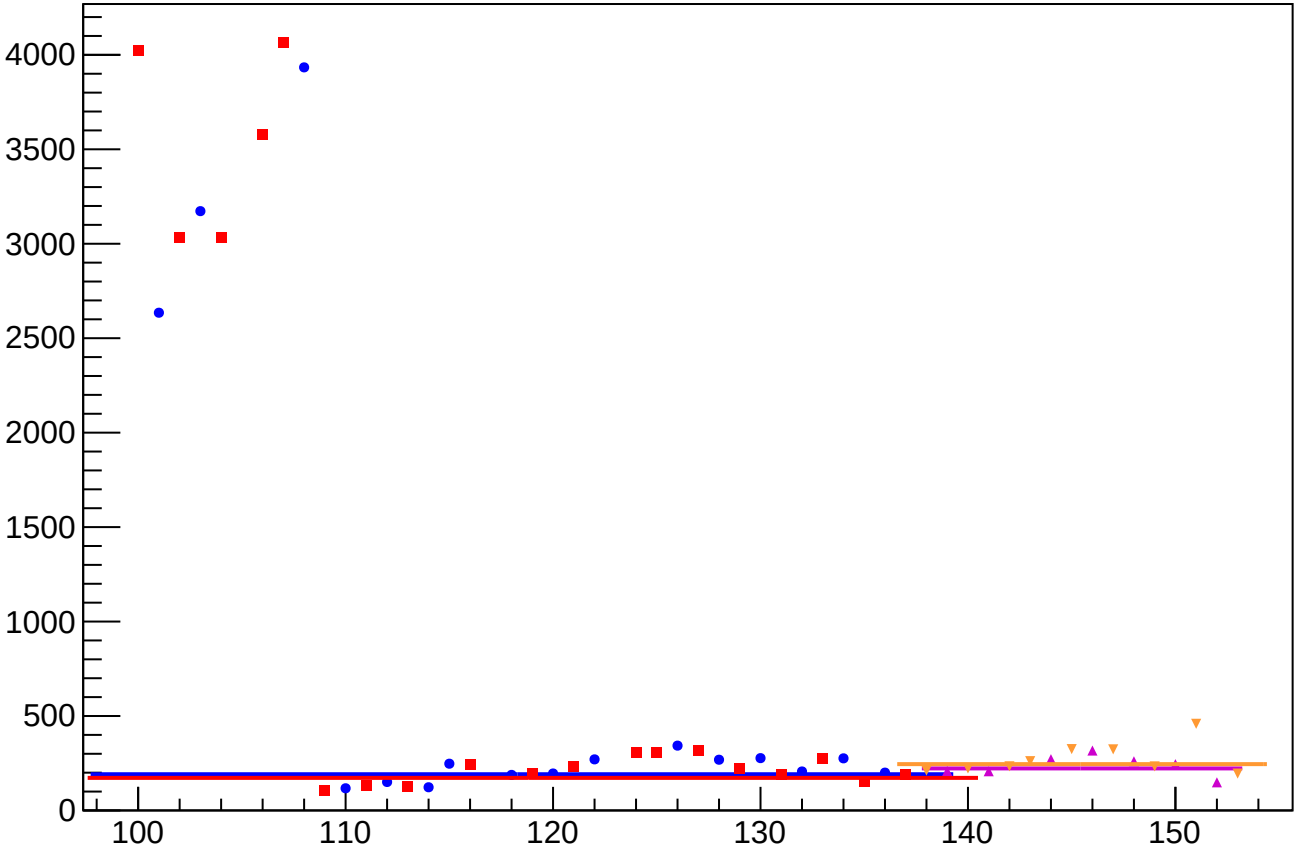
Left In: -215.048+/-95.753 χ^2/NDF:2.8/6

+ sign 82.564+/-63.650 χ^2/NDF: 25.1/24

All: 28.406+/-43.859 χ^2/NDF: 50.2/50

- sign -20.559+/-60.521 χ^2/NDF: 23.7/25

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 245.240+/-0.068 χ^2/NDF:711019.8/8

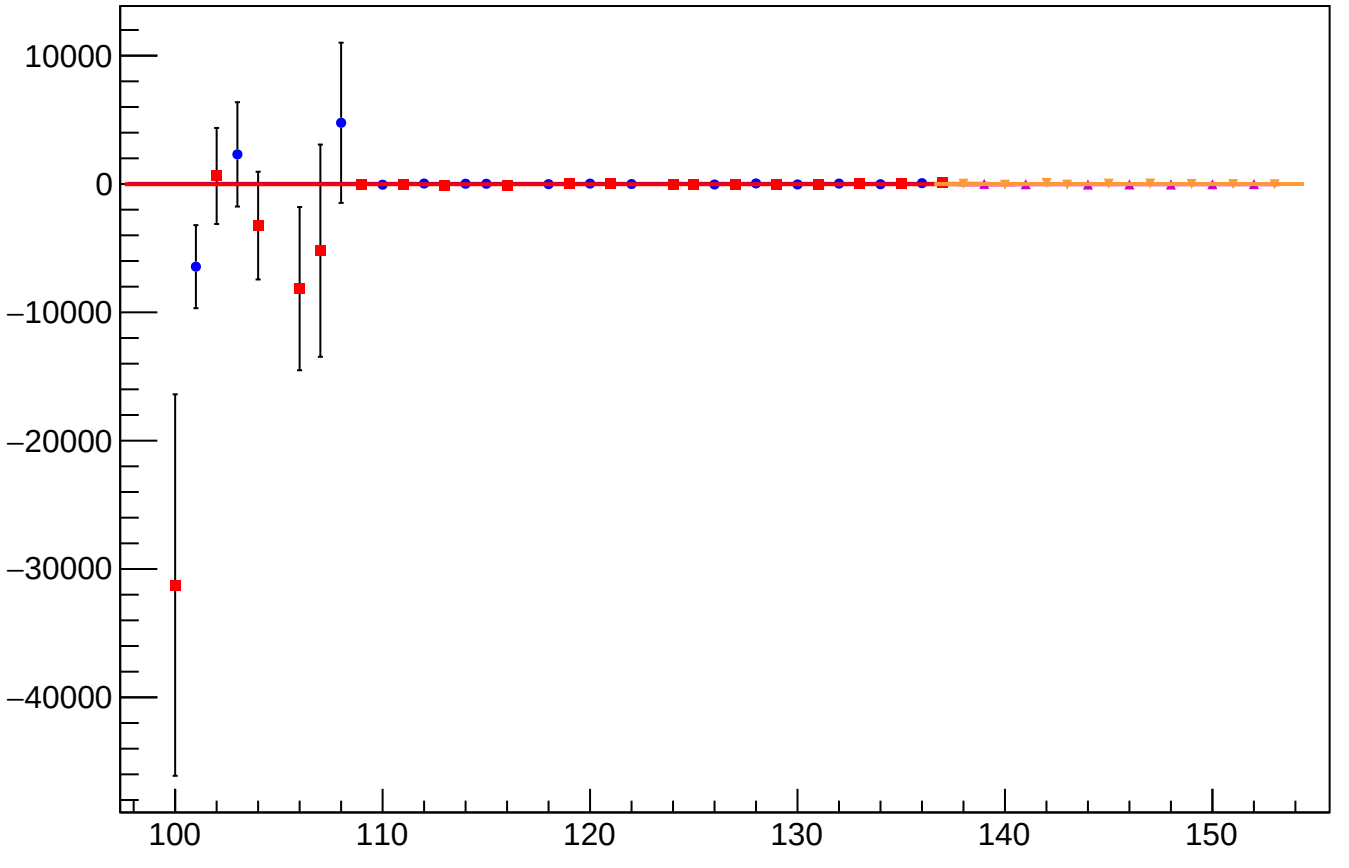
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 222.507+/-0.068 χ^2/NDF:523251.7/6

+ sign 215.026+/-0.045 χ^2/NDF: 4880214.3/24

All: 203.172+/-0.031 χ^2/NDF: 10166753.5/50

- sign 192.455+/-0.043 χ^2/NDF: 5154454.6/25



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -4.528+/-11.146 χ^2/NDF:11.5/8

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

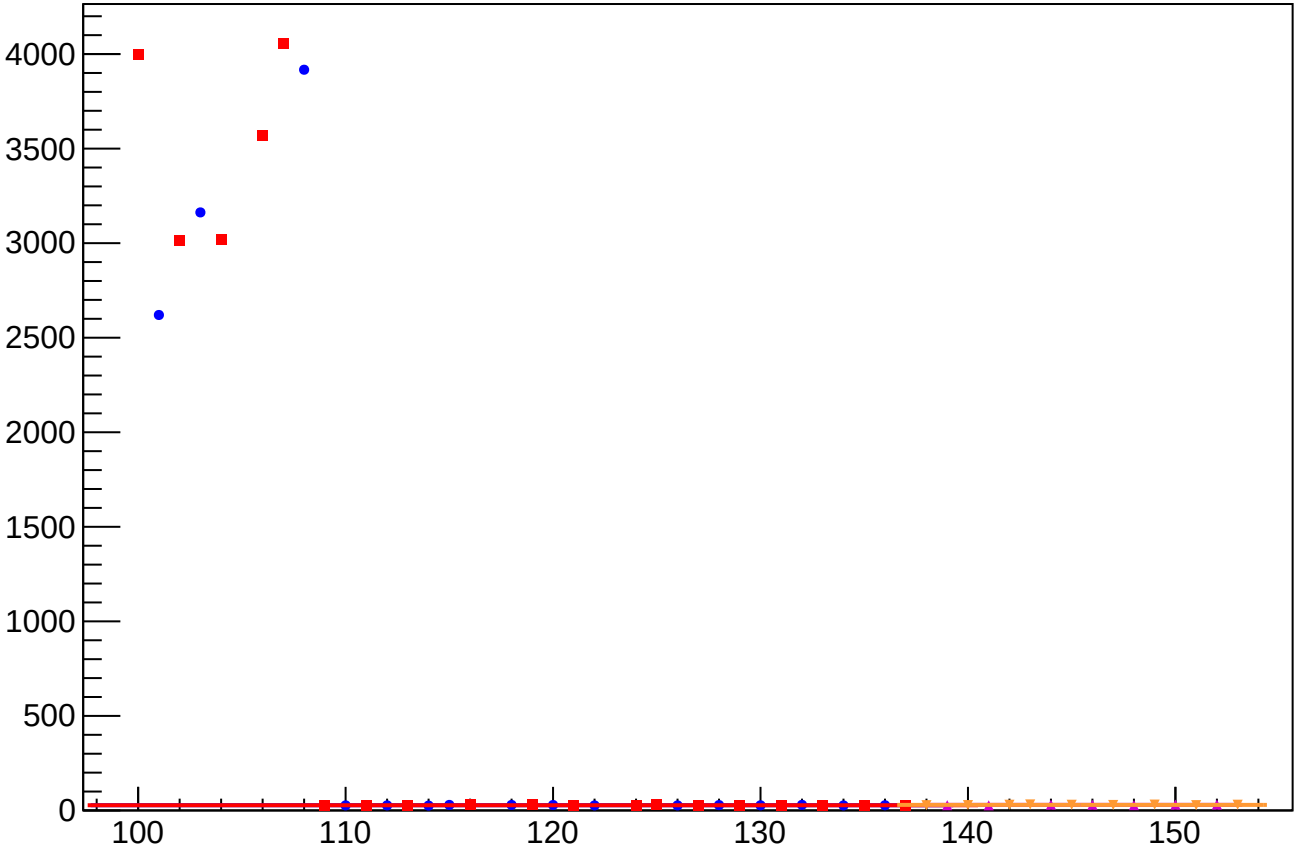
Left In: -19.278+/-11.975 χ^2/NDF:2.0/6

+ sign 2.192+/-8.065 χ^2/NDF: 28.3/24

All: -7.813+/-5.820 χ^2/NDF: 58.3/50

- sign -18.683+/-8.407 χ^2/NDF: 26.8/25

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 29.430+/-0.008 χ^2/NDF:27442.8/8

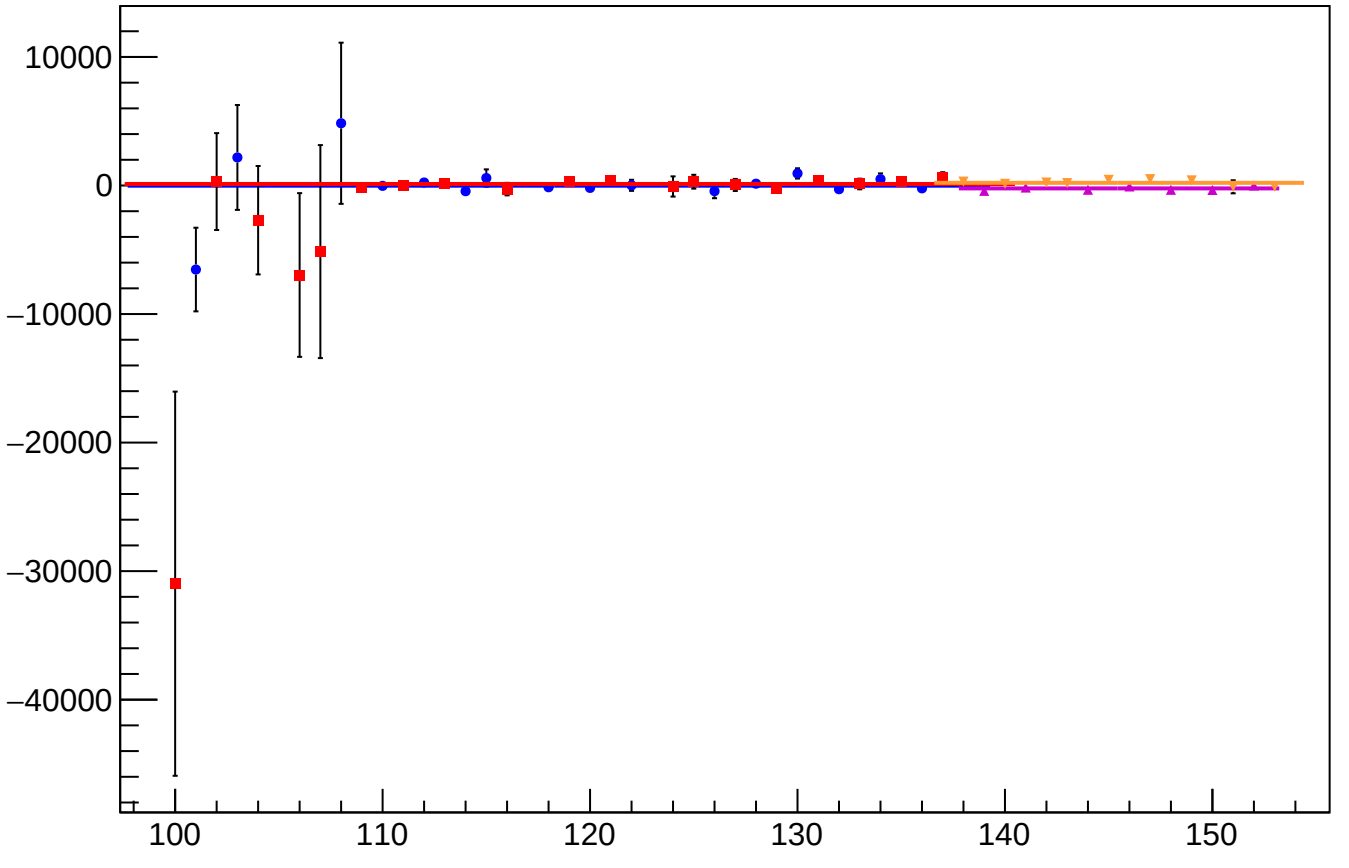
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.526+/-0.008 χ^2/NDF:39418.0/6

+ sign 28.578+/-0.006 χ^2/NDF: 3317467.3/24

All: 28.548+/-0.004 χ^2/NDF: 6940210.2/50

- sign 28.516+/-0.006 χ^2/NDF: 3622686.2/25



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 208.270+/-96.260 χ^2/NDF:4.0/8

Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

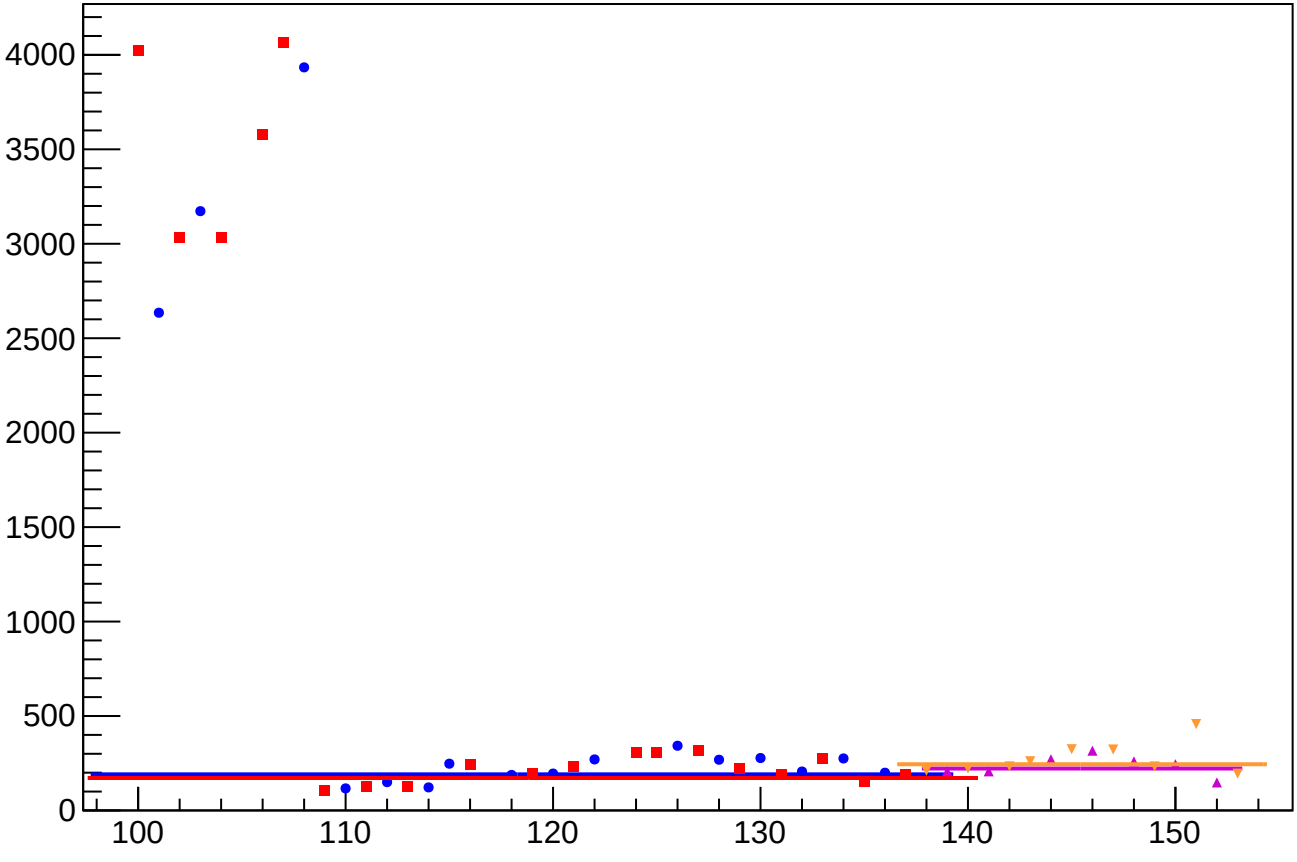
Left In: -226.123+/-95.530 χ^2/NDF:2.6/6

+ sign 83.151+/-63.484 χ^2/NDF: 25.3/24

All: 29.328+/-43.742 χ^2/NDF: 51.6/50

- sign -19.320+/-60.354 χ^2/NDF: 24.9/25

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 244.697+/-0.068 χ^2/NDF:711160.2/8

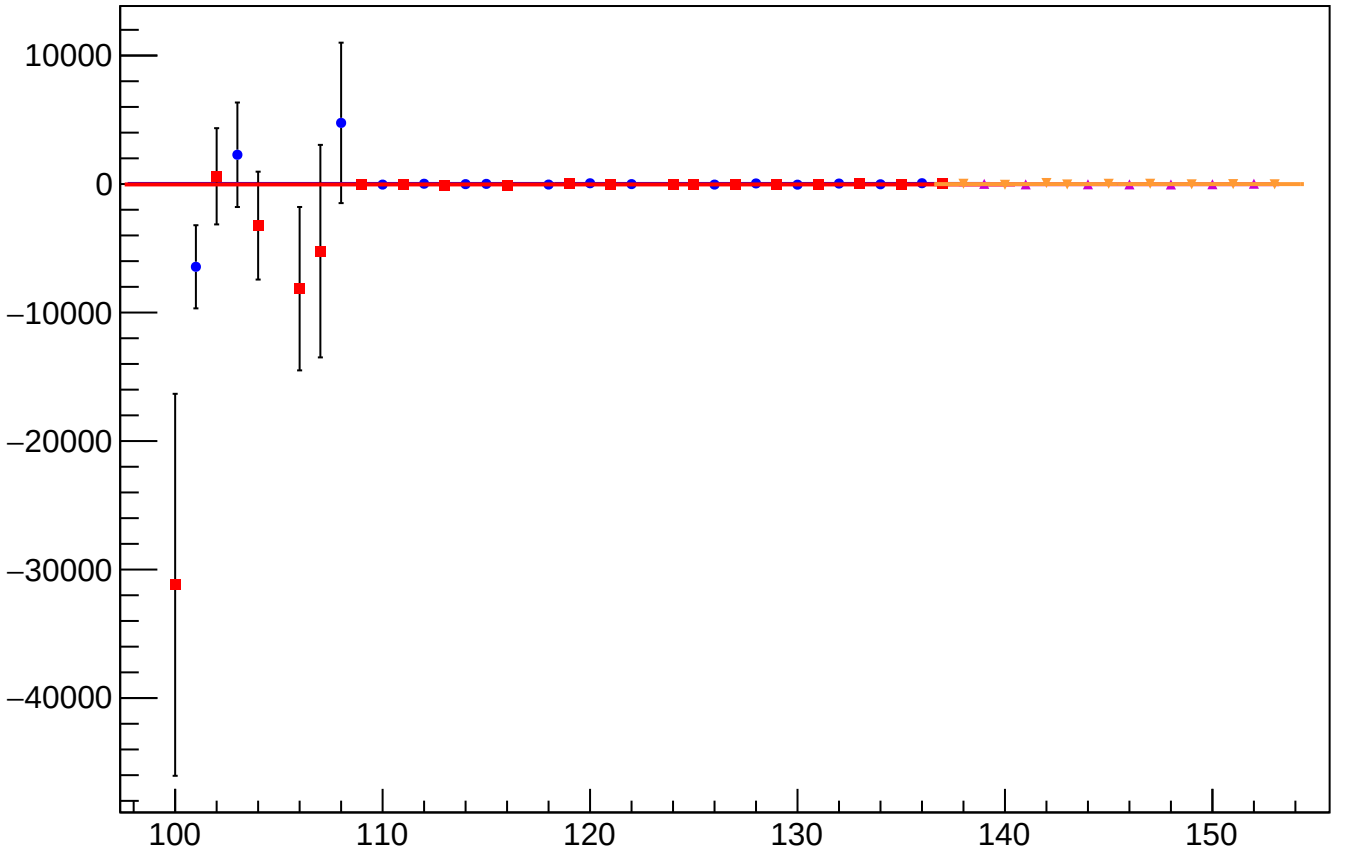
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 221.971+/-0.068 χ^2/NDF:524890.2/6

+ sign 214.395+/-0.045 χ^2/NDF: 4895856.3/24

All: 202.551+/-0.031 χ^2/NDF: 10198973.5/50

- sign 191.847+/-0.043 χ^2/NDF: 5170596.7/25



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -5.300+/-11.224 χ^2/NDF:9.3/8

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

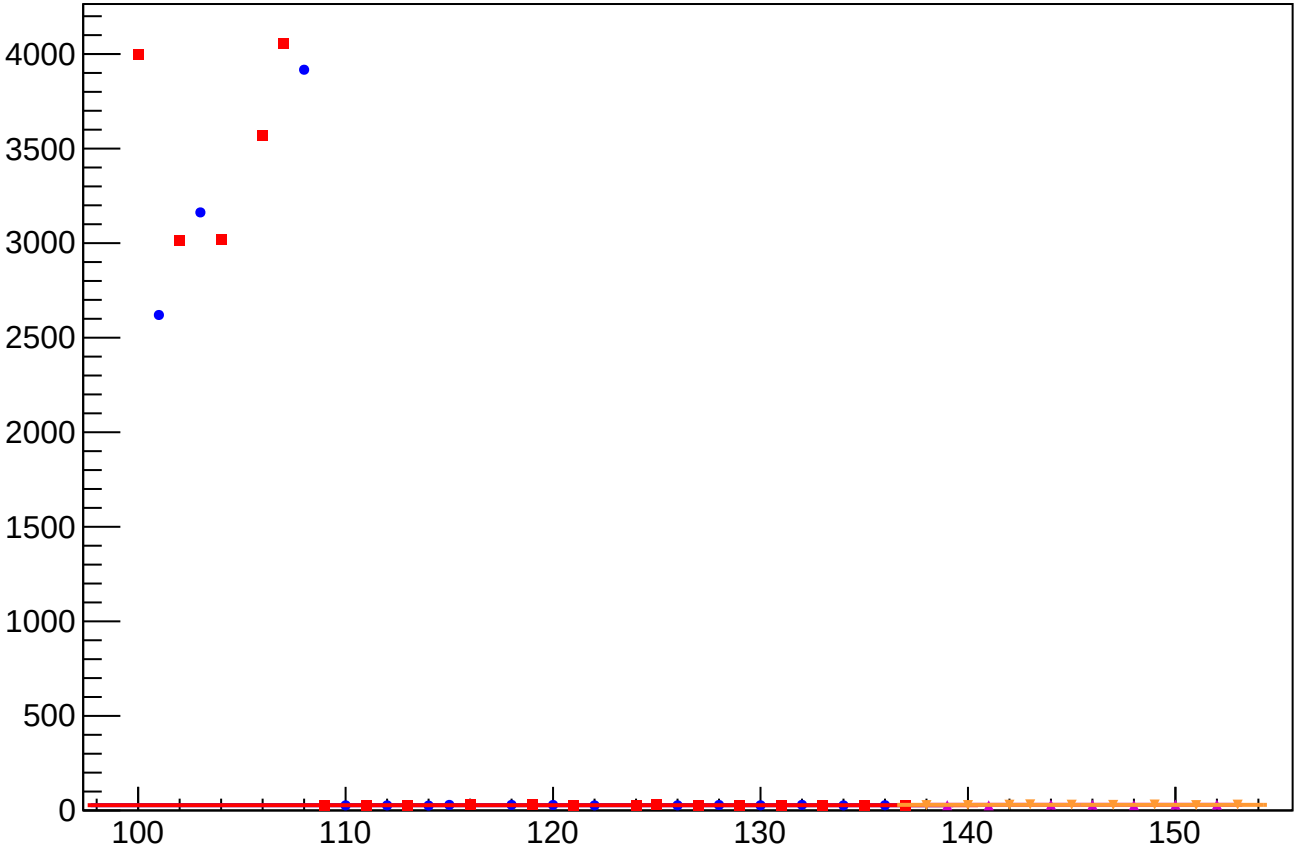
Left In: -10.524+/-12.034 χ^2/NDF:2.7/6

+ sign 0.318+/-8.121 χ^2/NDF: 28.1/24

All: -9.833+/-5.859 χ^2/NDF: 55.4/50

- sign -20.856+/-8.462 χ^2/NDF: 24.1/25

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.630+/-0.008 χ^2/NDF:29356.6/8

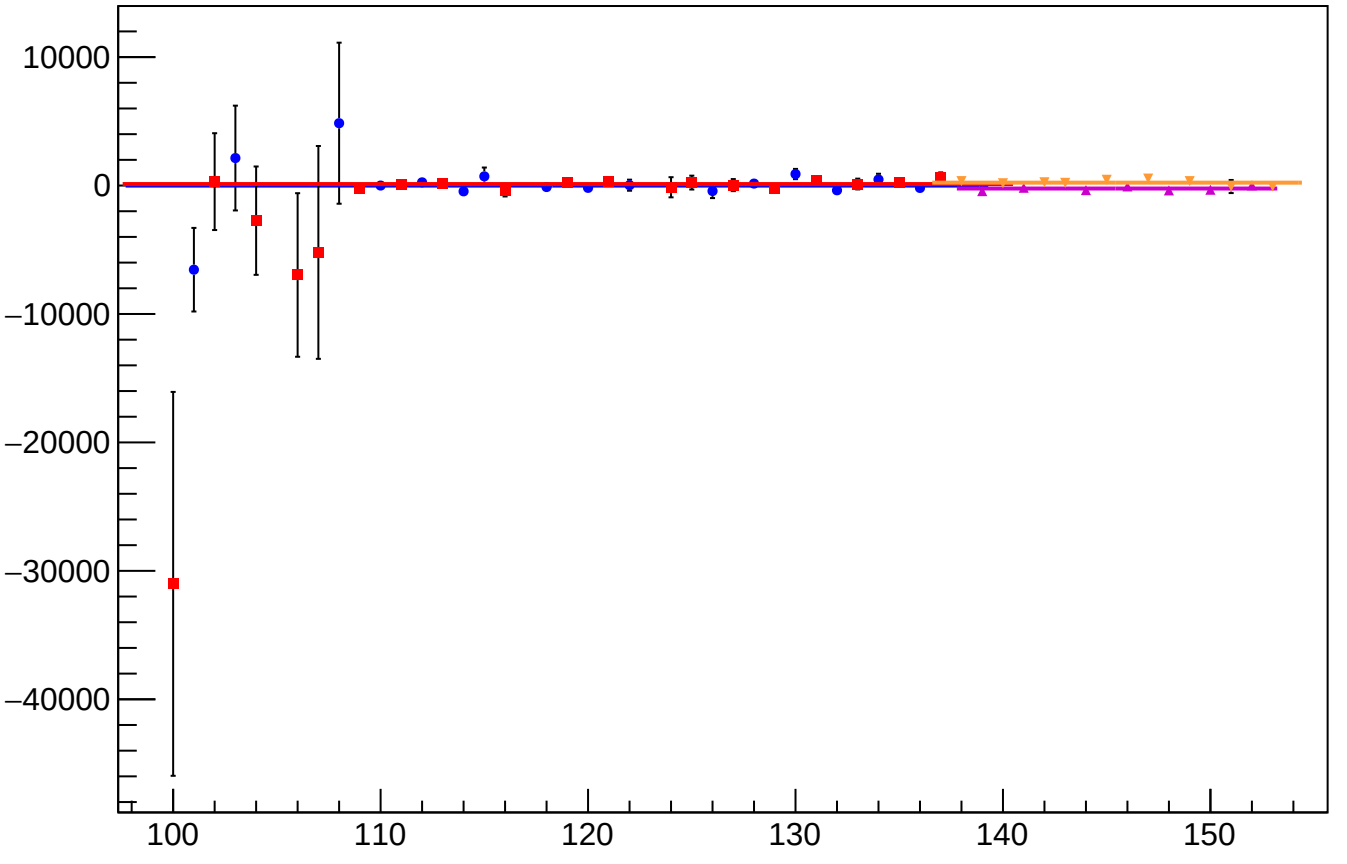
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.679+/-0.009 χ^2/NDF:40158.3/6

+ sign 28.770+/-0.006 χ^2/NDF: 3319915.8/24

All: 28.739+/-0.004 χ^2/NDF: 6944686.5/50

- sign 28.705+/-0.006 χ^2/NDF: 3624710.0/25



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 225.355+/-97.347 χ^2/NDF:3.7/8

Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

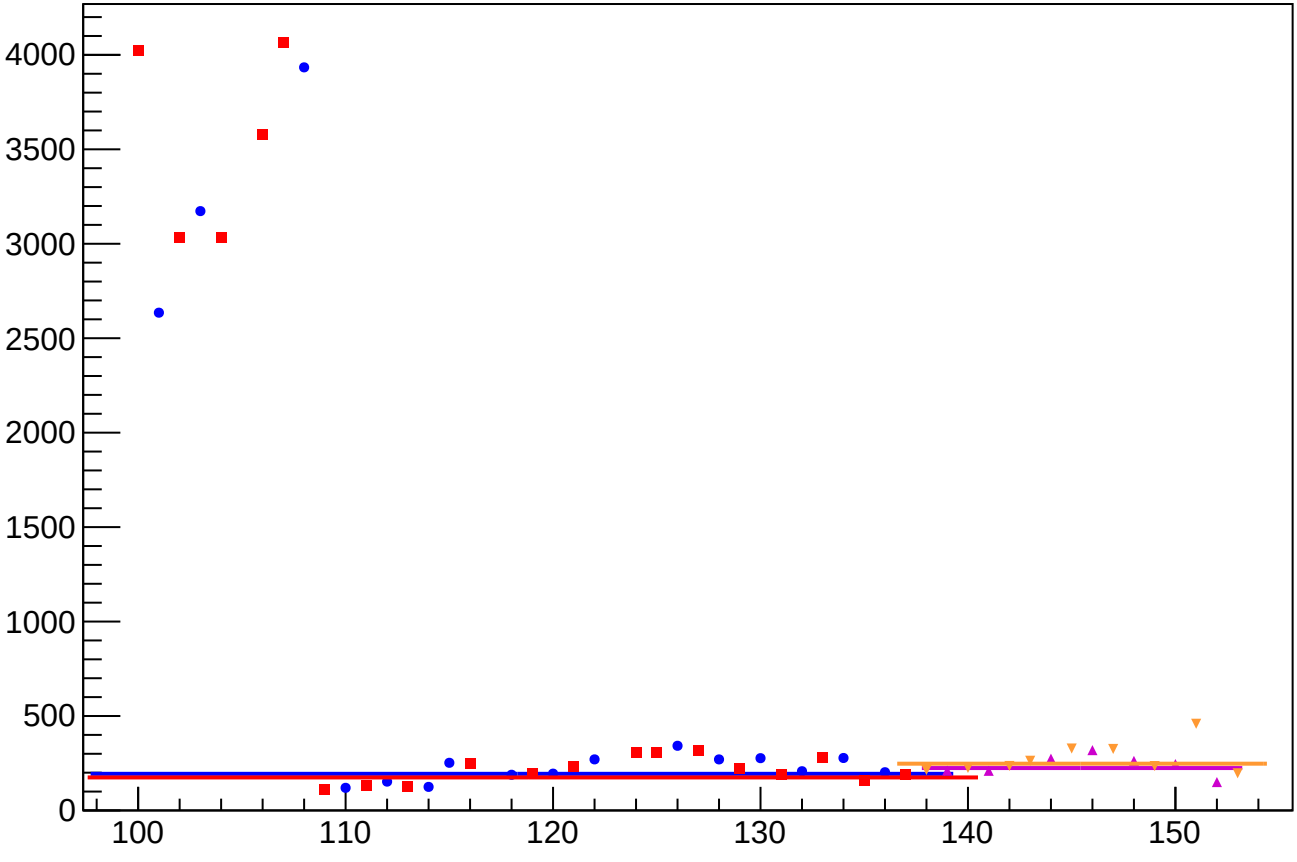
Left In: -232.644+/-96.541 χ^2/NDF:3.0/6

+ sign 96.570+/-64.243 χ^2/NDF: 25.1/24

All: 33.345+/-44.280 χ^2/NDF: 51.5/50

- sign -23.875+/-61.117 χ^2/NDF: 24.6/25

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 247.608+/-0.069 χ^2/NDF:700625.2/8

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

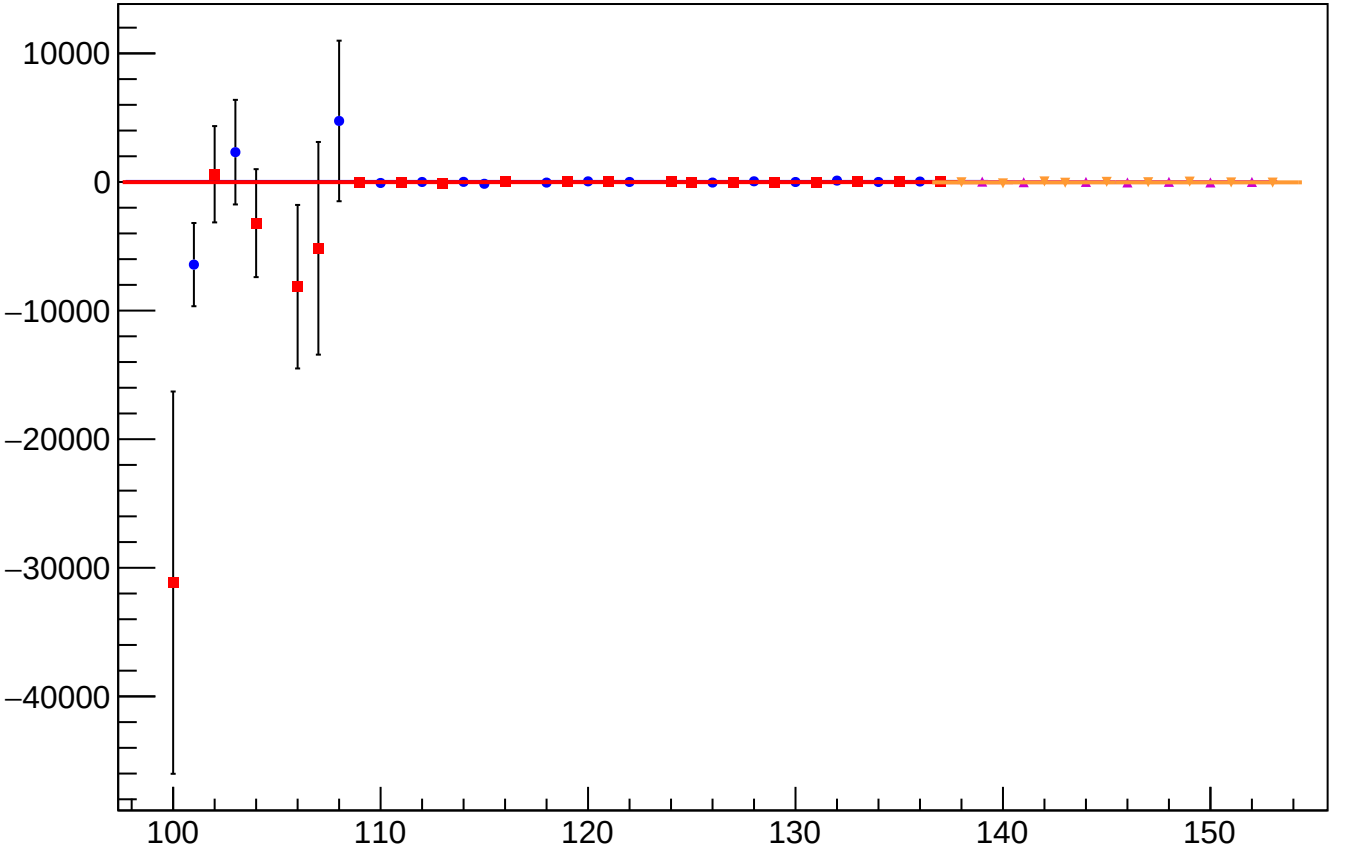
Left In: 224.455+/-0.068 χ^2/NDF:519957.2/6

+ sign 217.317+/-0.045 χ^2/NDF: 4828139.9/24

All: 205.439+/-0.031 χ^2/NDF: 10054987.6/50

- sign 194.688+/-0.043 χ^2/NDF: 5096588.8/25

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -27.825+/-13.209 χ^2/NDF:10.1/8

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

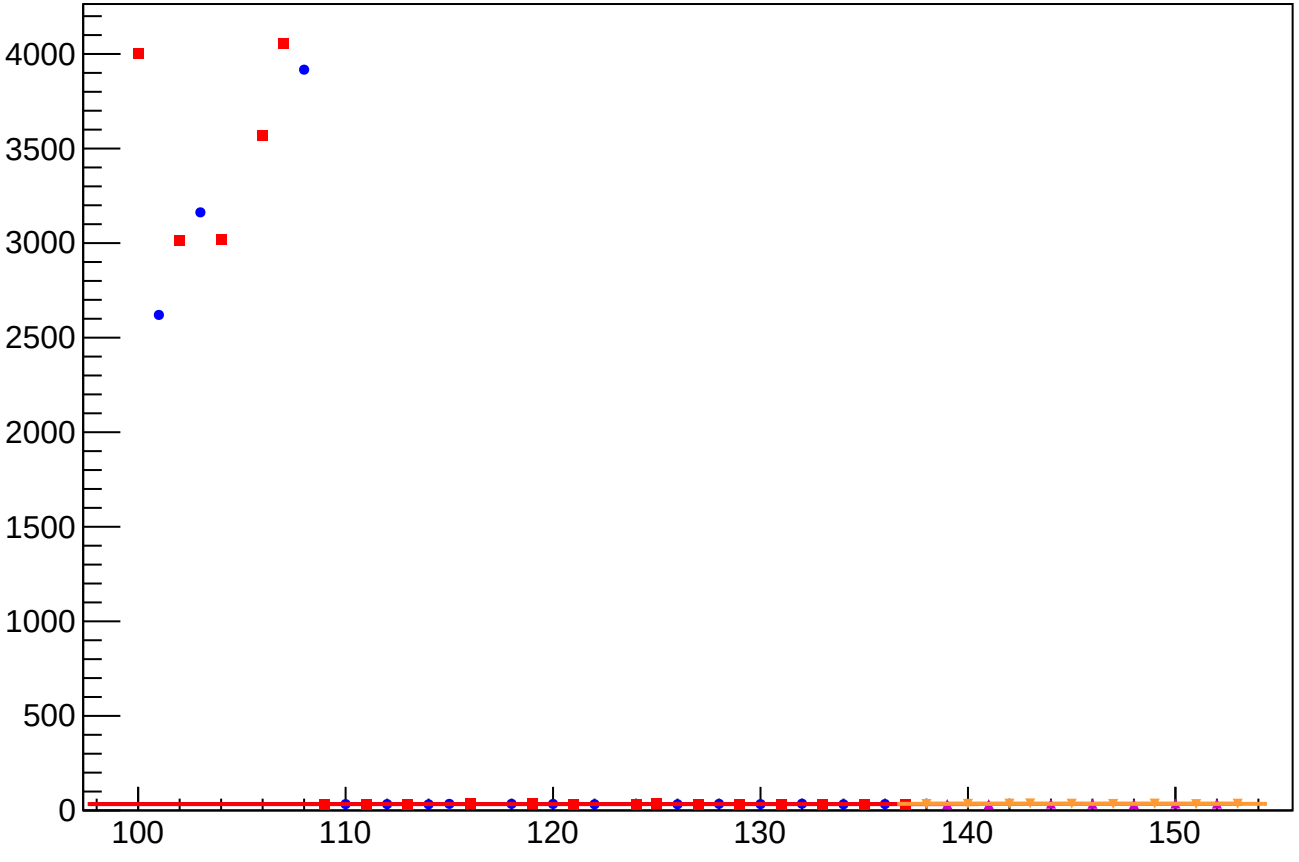
Left In: -3.772+/-14.200 χ^2/NDF:2.5/6

+ sign -12.414+/-9.705 χ^2/NDF: 30.5/24

All: -9.743+/-7.005 χ^2/NDF: 56.6/50

- sign -6.837+/-10.122 χ^2/NDF: 26.0/25

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.935+/-0.009 χ^2/NDF:13341.7/8

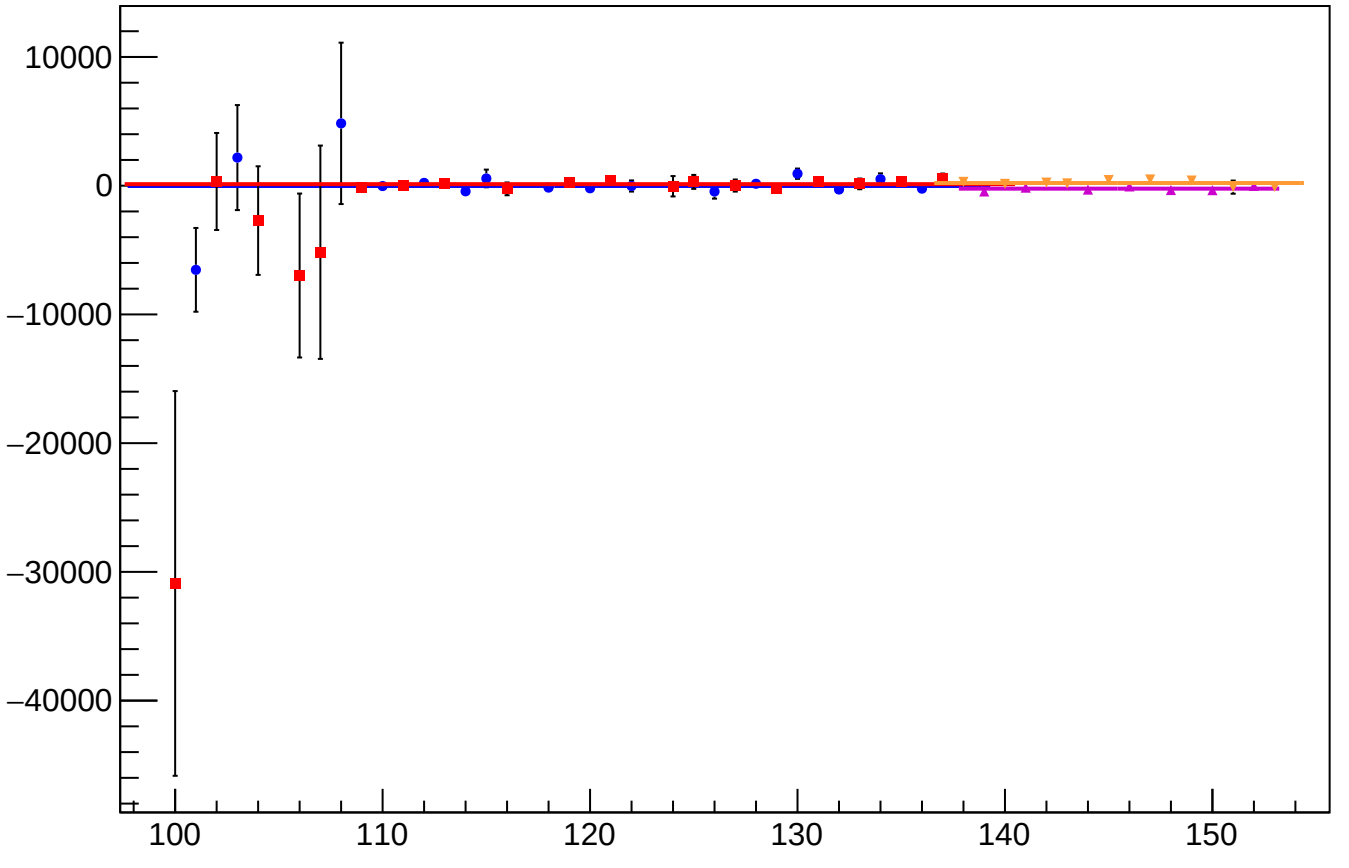
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 35.103+/-0.010 χ^2/NDF:14221.4/6

+ sign 34.459+/-0.007 χ^2/NDF: 3263382.9/24

All: 34.443+/-0.005 χ^2/NDF: 6813330.3/50

- sign 34.426+/-0.007 χ^2/NDF: 3549936.5/25



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 208.317+/-96.782 χ^2/NDF:4.0/8

Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

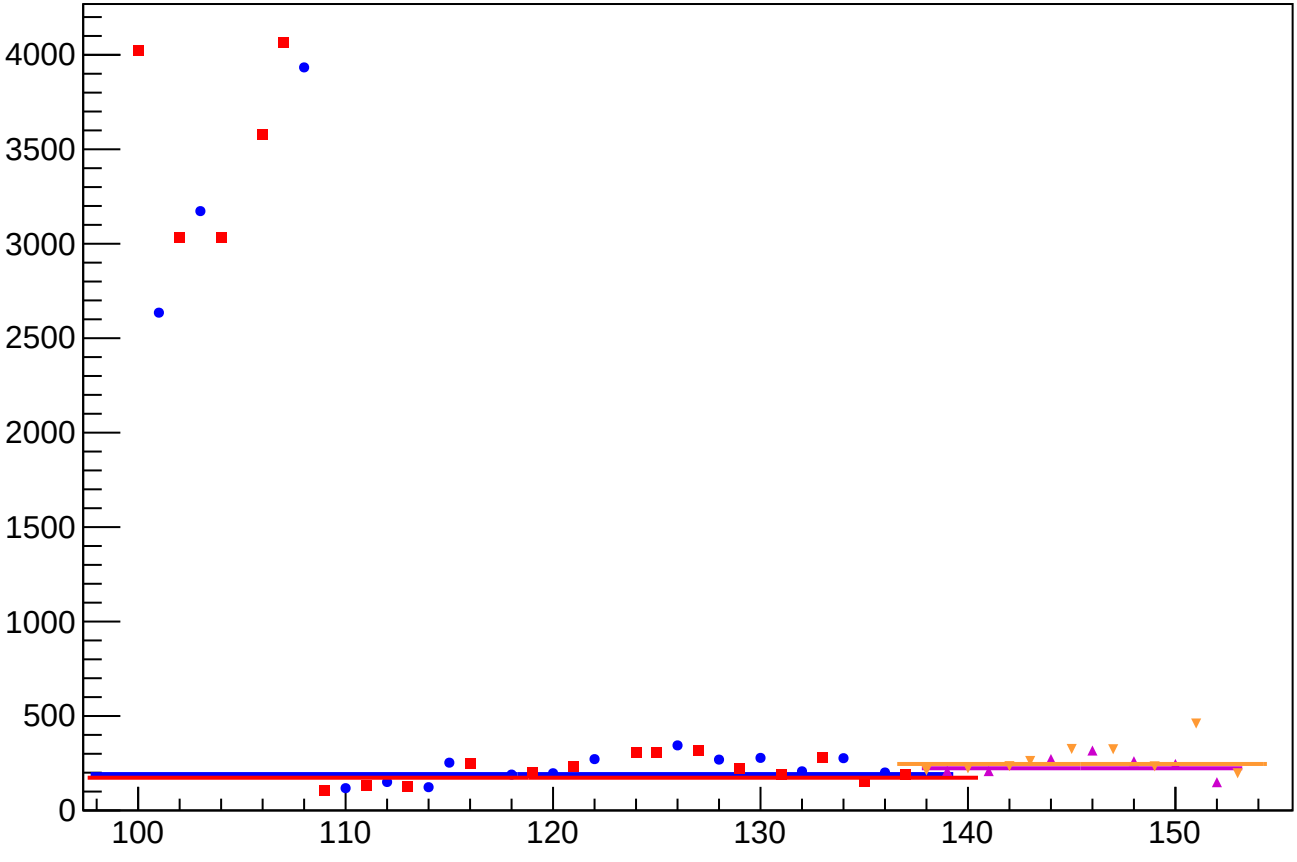
Left In: -229.828+/-96.071 χ^2/NDF:2.7/6

+ sign 79.775+/-63.892 χ^2/NDF: 25.3/24

All: 27.383+/-44.032 χ^2/NDF: 50.5/50

- sign -20.007+/-60.767 χ^2/NDF: 23.9/25

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 246.092+/-0.068 χ^2/NDF:706073.3/8

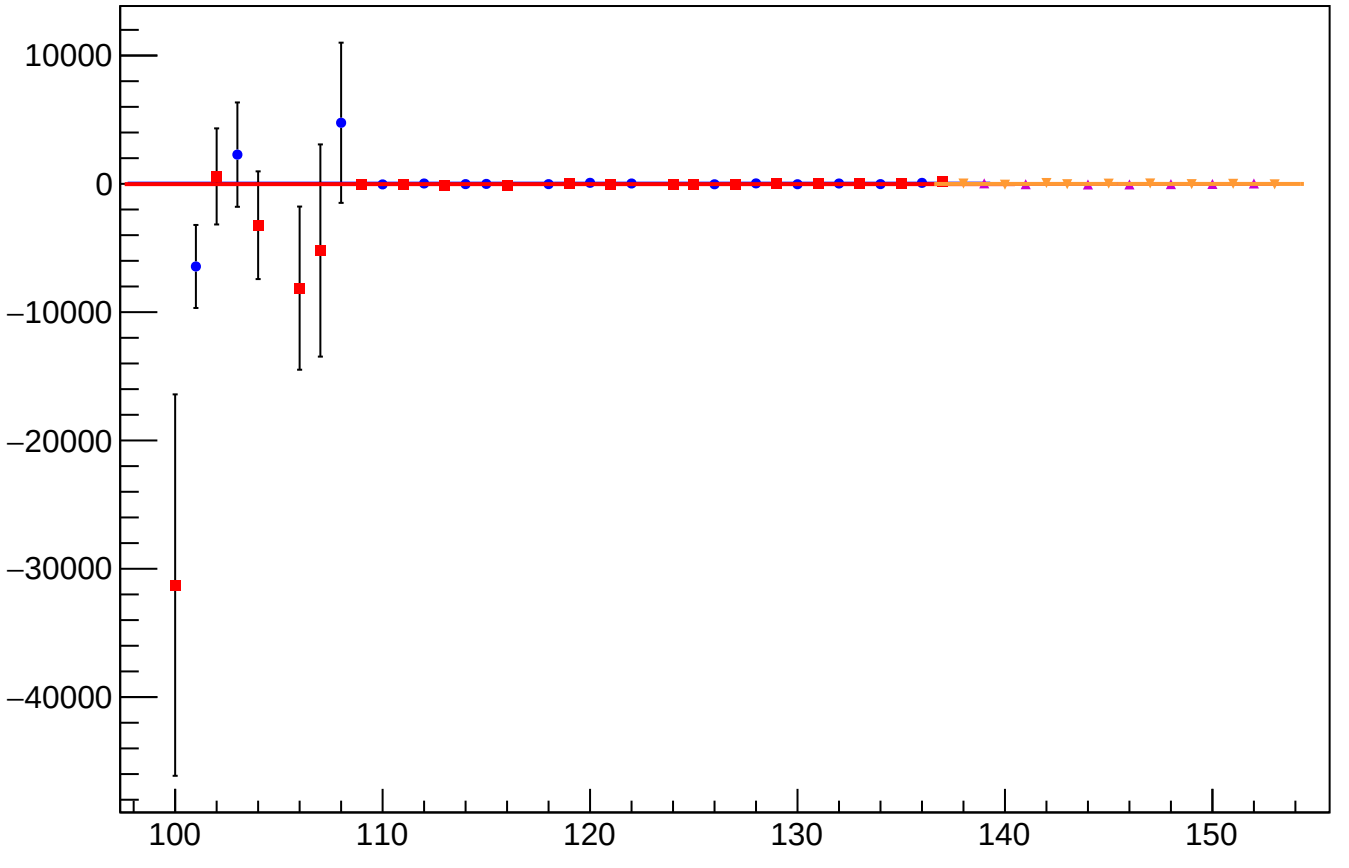
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 223.313+/-0.068 χ^2/NDF:518088.5/6

+ sign 215.891+/-0.045 χ^2/NDF: 4874078.4/24

All: 204.018+/-0.031 χ^2/NDF: 10156942.0/50

- sign 193.279+/-0.043 χ^2/NDF: 5151337.8/25



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -7.542+/-12.140 χ^2/NDF:8.8/8

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

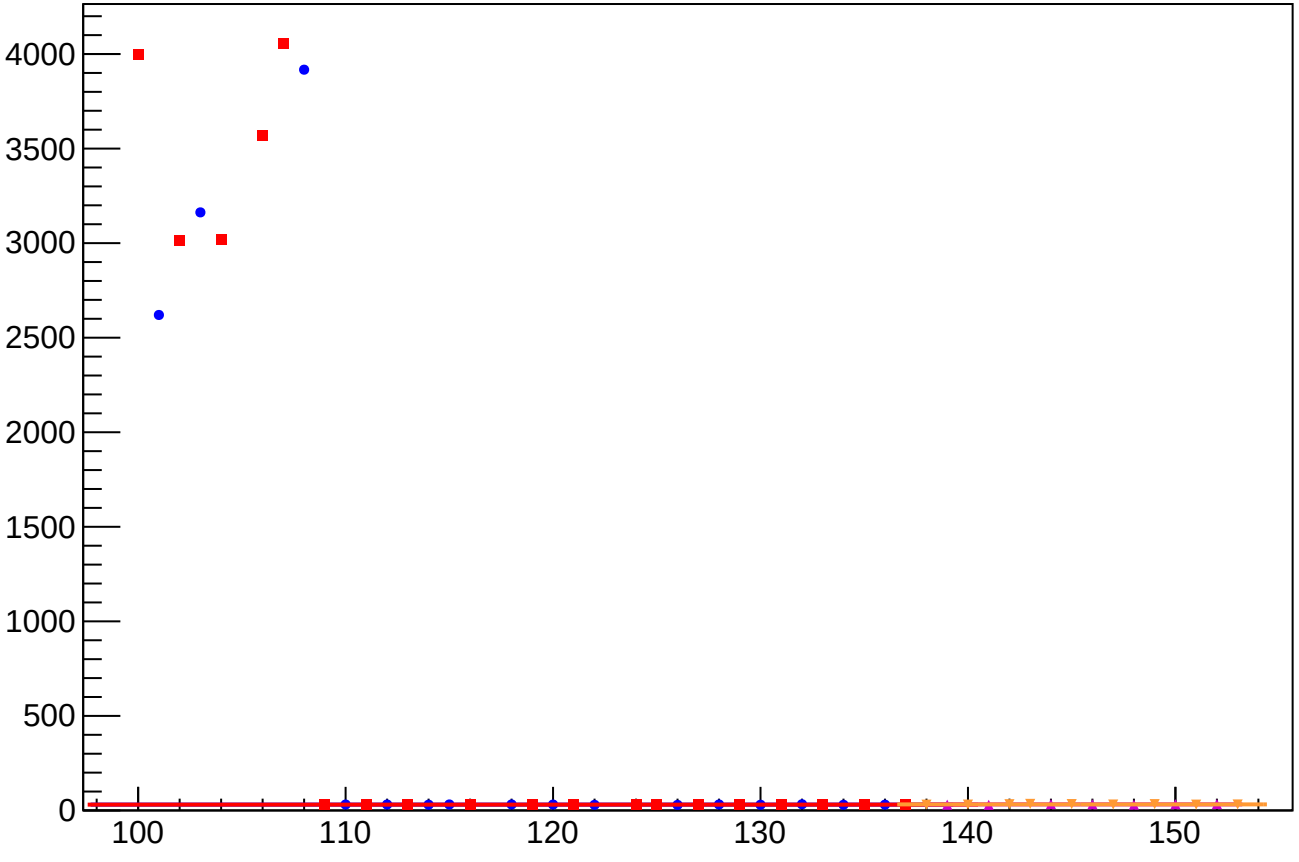
Left In: -11.151+/-13.035 χ^2/NDF:5.8/6

+ sign 2.309+/-8.892 χ^2/NDF: 25.7/24

All: -7.005+/-6.417 χ^2/NDF: 62.9/50

- sign -17.123+/-9.268 χ^2/NDF: 35.0/25

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 32.068+/-0.009 χ^2/NDF:25313.1/8

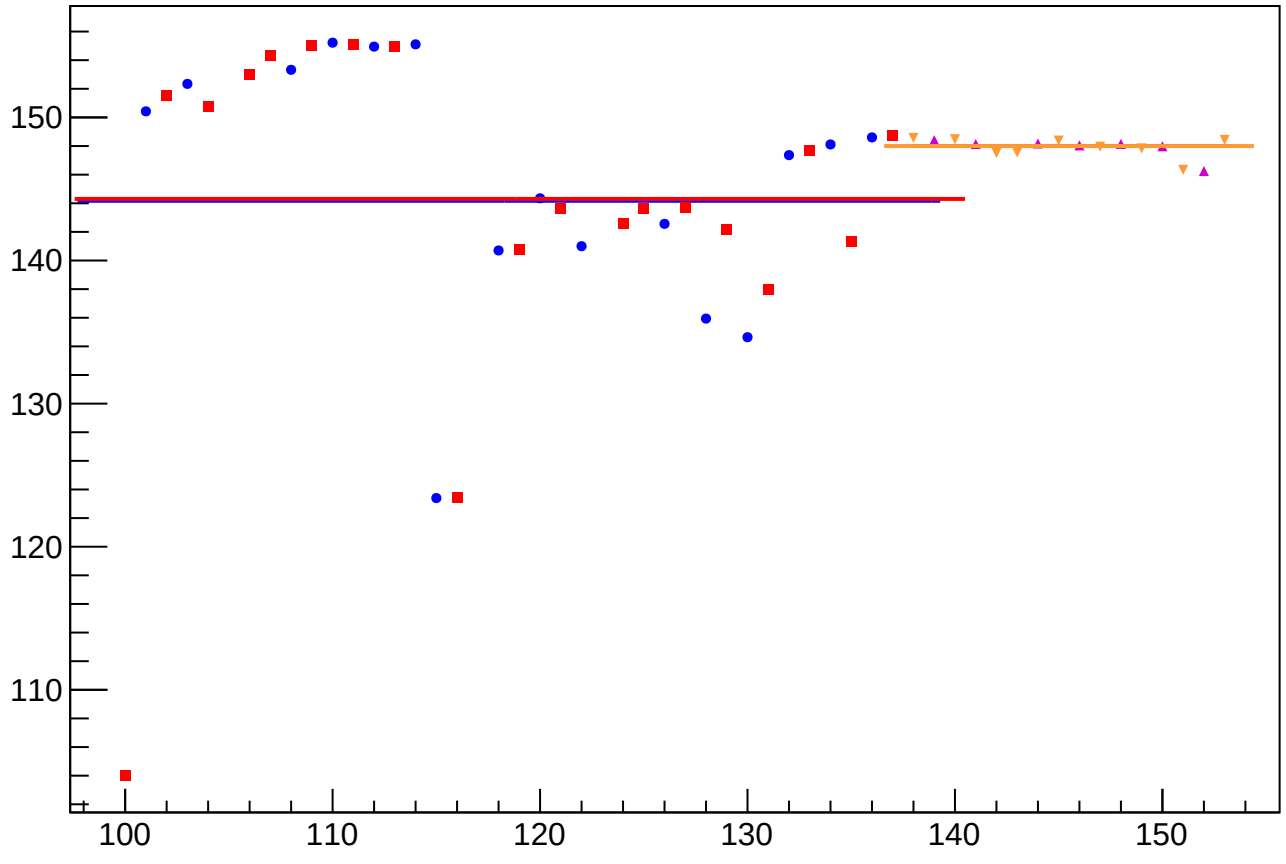
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 32.158+/-0.009 χ^2/NDF:28224.9/6

+ sign 31.540+/-0.006 χ^2/NDF: 3286093.4/24

All: 31.509+/-0.005 χ^2/NDF: 6861697.7/50

- sign 31.475+/-0.007 χ^2/NDF: 3575553.0/25



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.000+/-0.000 χ^2/NDF:19072466.7/8

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

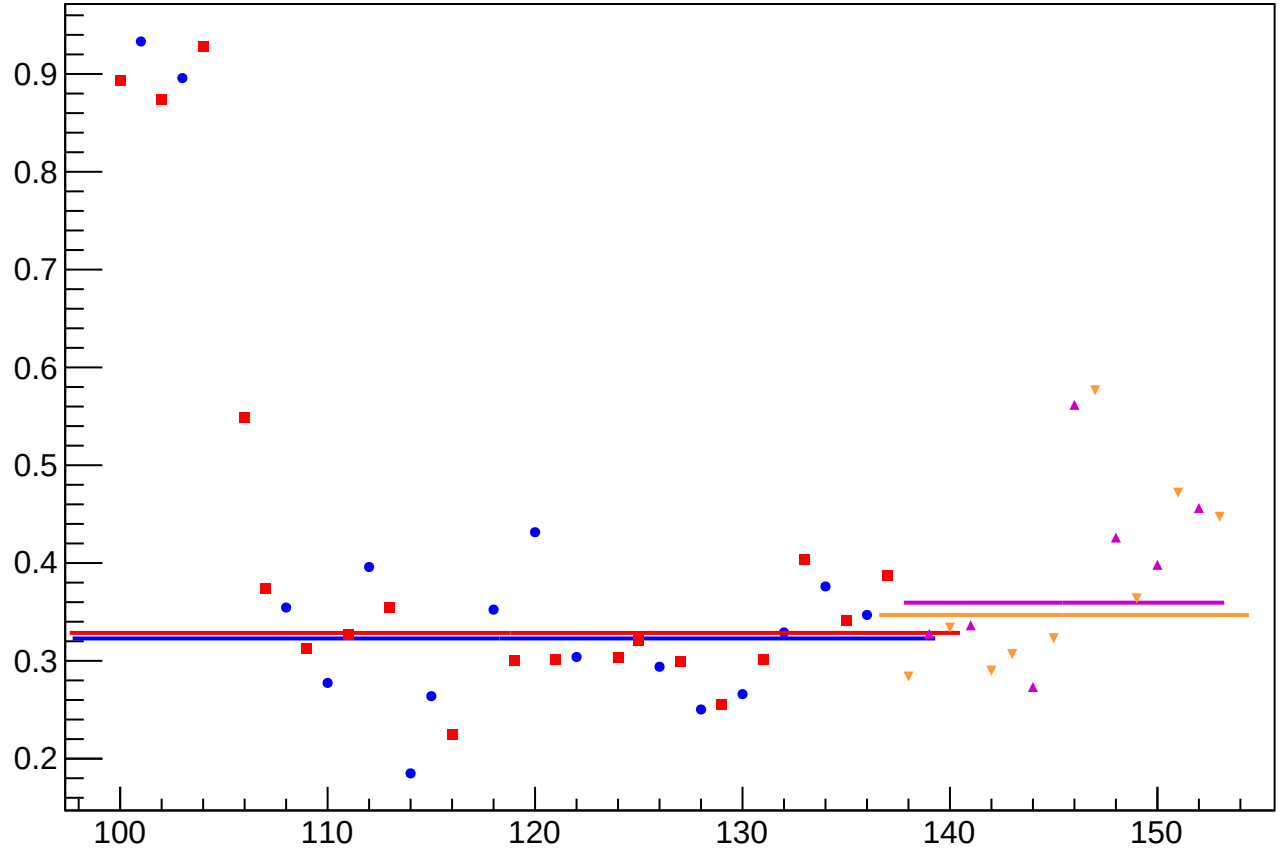
Left In: 148.004+/-0.000 χ^2/NDF:13738070.0/6

+ sign 146.017+/-0.000 χ^2/NDF: 4145550002.9/24

All: 145.964+/-0.000 χ^2/NDF: 8758745144.3

- sign 145.905+/-0.000 χ^2/NDF: 4612537918.2/25

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.347+/-0.000 χ^2/NDF:579351.6/8

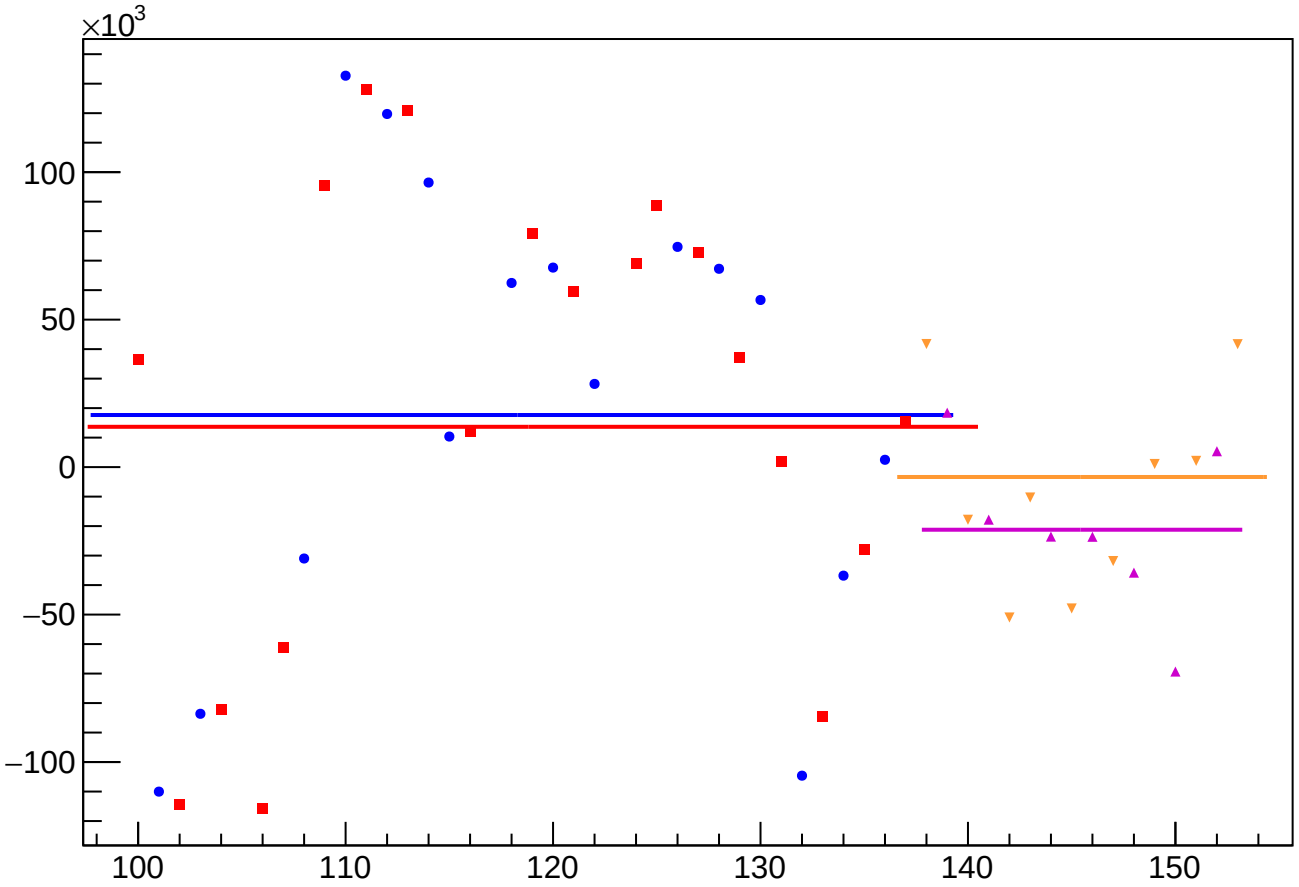
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.359+/-0.000 χ^2/NDF:540865.6/6

+ sign 0.334+/-0.000 χ^2/NDF: 2007196.7/24

All: 0.338+/-0.000 χ^2/NDF: 3904708.5/50

- sign 0.342+/-0.000 χ^2/NDF: 1891686.4/25



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -3349.877+/-1.903 χ^2/NDF:280295123.0/8

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

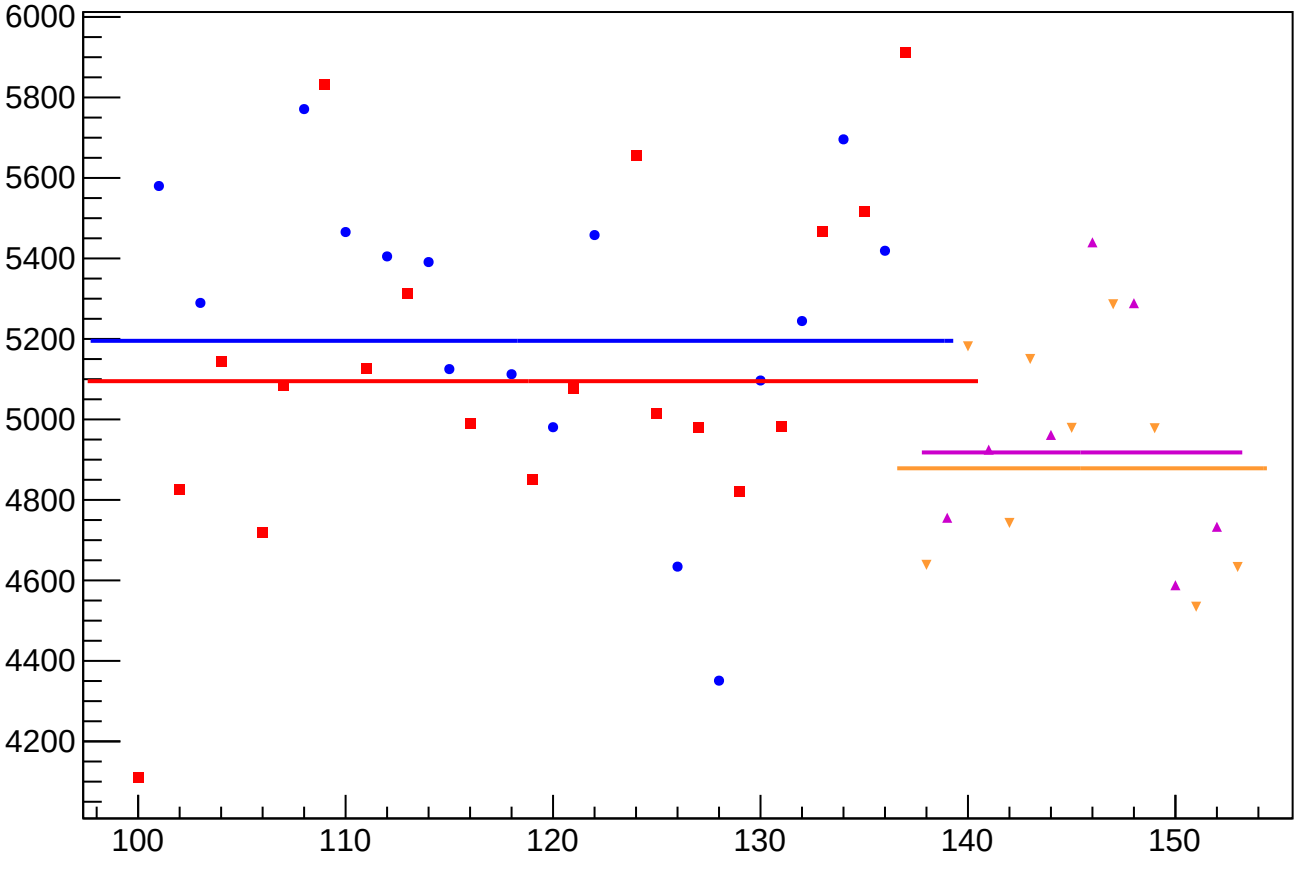
Left In: -21231.733+/-2.061 χ^2/NDF:183405452.7/6

+ sign 6603.846+/-1.380 χ^2/NDF: 1736816611.1/24

All: 2094.877+/-0.985 χ^2/NDF: 3952046914.

- sign -2589.552+/-1.407 χ^2/NDF: 2193472590.2/25

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4878.536+/-1.345 χ^2/NDF:38311.6/8

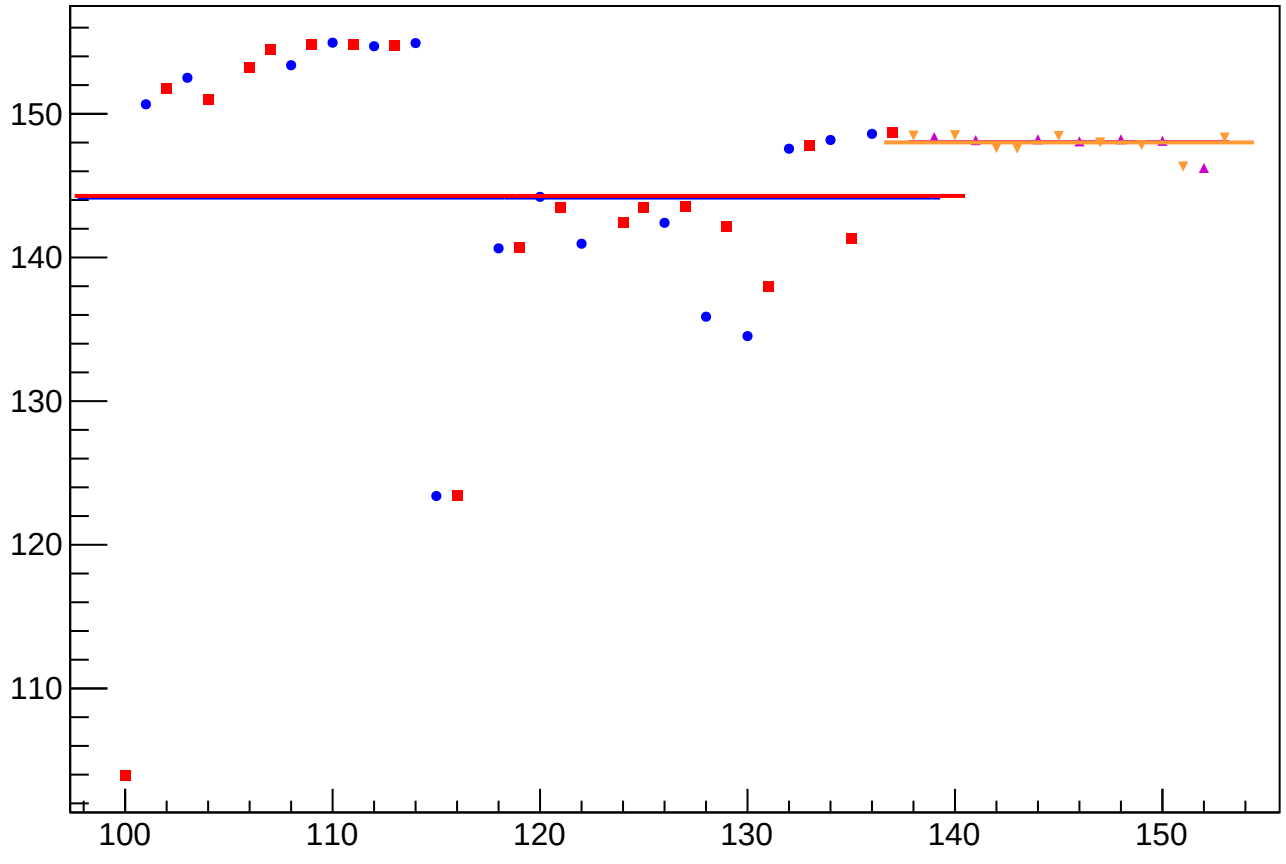
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4917.958+/-1.458 χ^2/NDF:35836.7/6

+ sign 5028.579+/-0.976 χ^2/NDF: 141737.5/24

All: 5020.721+/-0.697 χ^2/NDF: 244703.3/50

- sign 5012.558+/-0.995 χ^2/NDF: 102833.6/25



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.010+/-0.000 χ^2/NDF:18241868.2/8

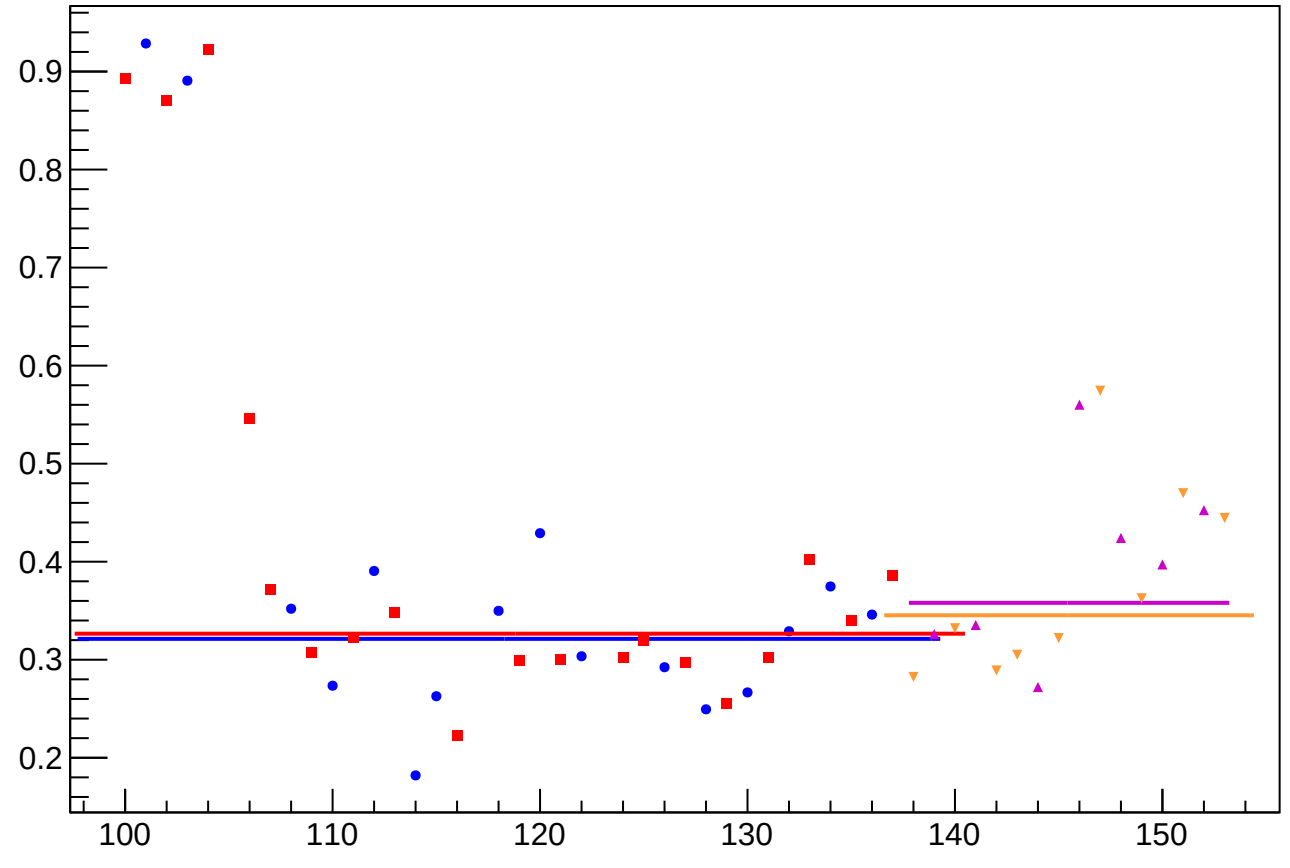
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 148.040+/-0.000 χ^2/NDF:14417647.1/6

+ sign 146.019+/-0.000 χ^2/NDF: 4191807453.6/24

All: 145.966+/-0.000 χ^2/NDF: 8844606610.0

- sign 145.907+/-0.000 χ^2/NDF: 4652132106.2/25



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.345+/-0.000 χ^2/NDF:580143.2/8

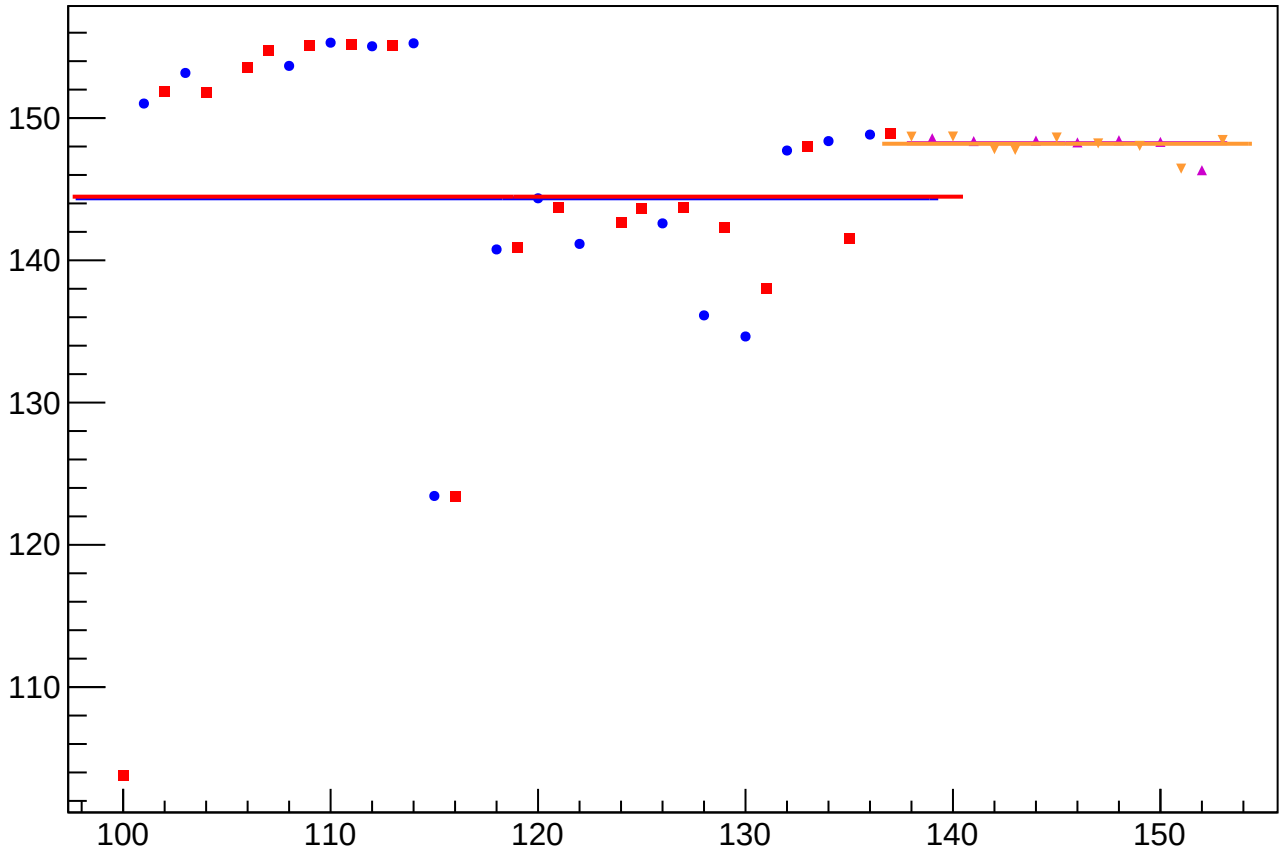
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.358+/-0.000 χ^2/NDF:539974.9/6

+ sign 0.333+/-0.000 χ^2/NDF: 2008447.6/24

All: 0.336+/-0.000 χ^2/NDF: 3905580.9/50

- sign 0.340+/-0.000 χ^2/NDF: 1891536.7/25



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.194+/-0.000 χ^2/NDF:18849583.4/8

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

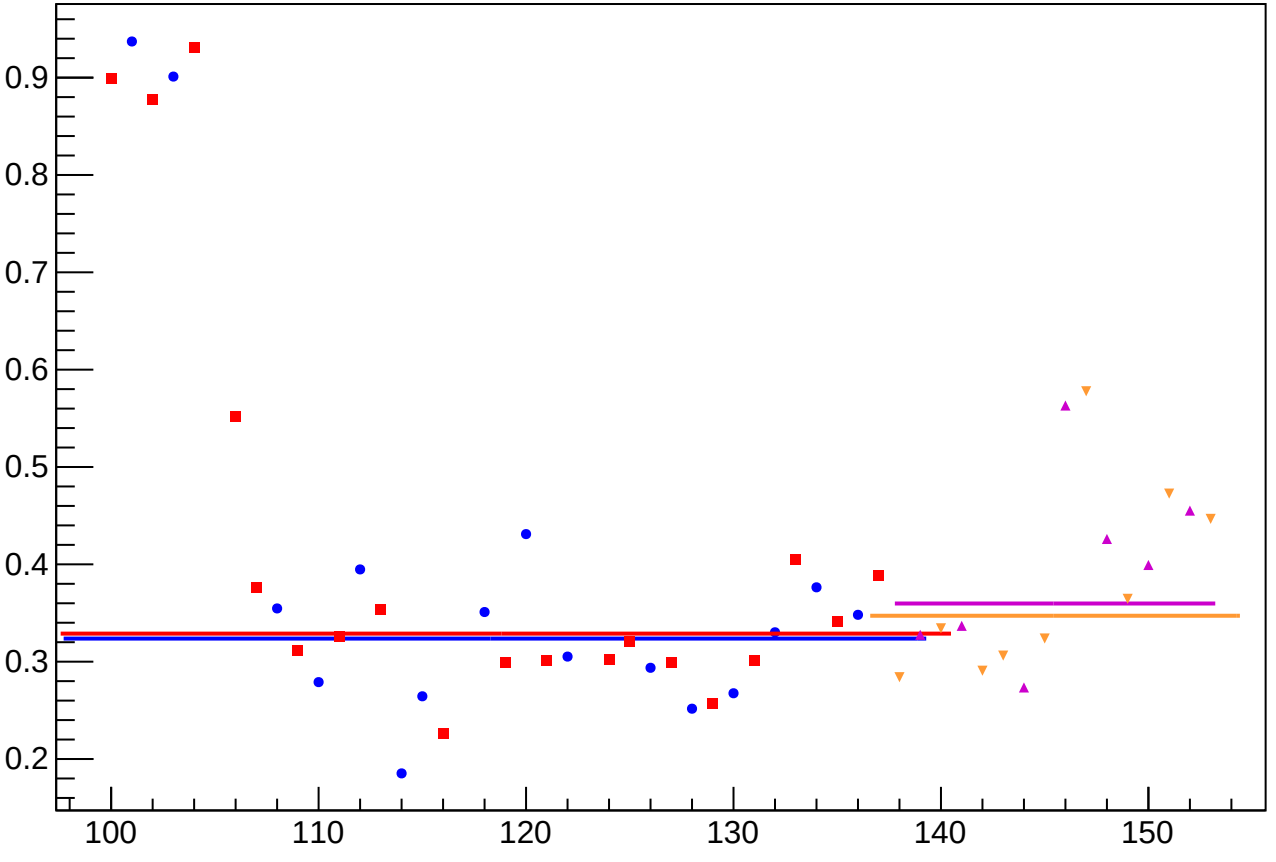
Left In: 148.236+/-0.000 χ^2/NDF:15738719.0/6

+ sign 146.210+/-0.000 χ^2/NDF: 4180134600.2/24

All: 146.158+/-0.000 χ^2/NDF: 8823369583.3

- sign 146.102+/-0.000 χ^2/NDF: 4642627212.0/25

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.347+/-0.000 χ^2/NDF:580400.9/8

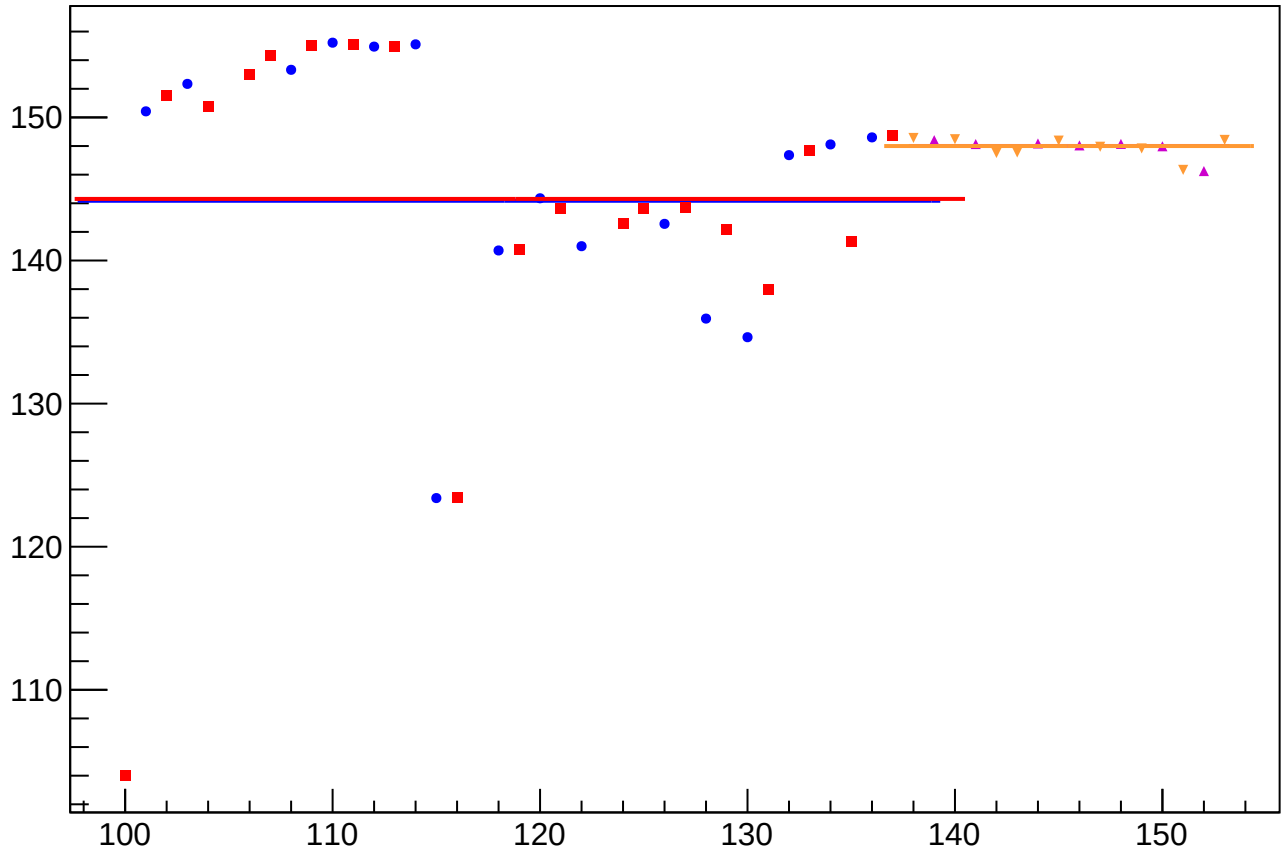
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.360+/-0.000 χ^2/NDF:540666.3/6

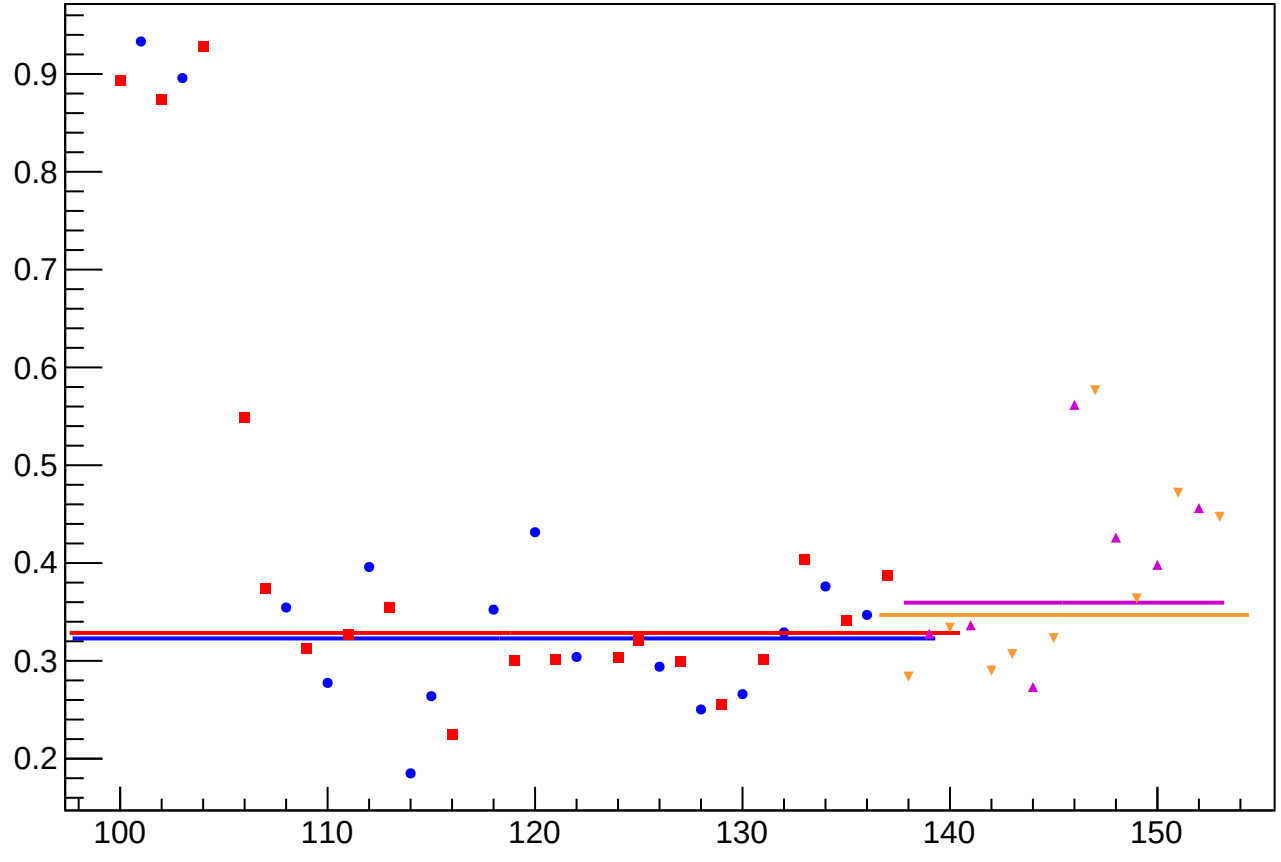
+ sign 0.335+/-0.000 χ^2/NDF: 2002960.1/24

All: 0.338+/-0.000 χ^2/NDF: 3898881.8/50

- sign 0.342+/-0.000 χ^2/NDF: 1890559.5/25


yield_bcm_an_us_mean vs Slug
150
140
130
120
110
100
110
120
130
140
150
Right In: 144.176+/-0.000 χ²/NDF: 3724747268.7/15
Left Out: 148.000+/-0.000 χ²/NDF:19072466.7/8
Right Out: 144.304+/-0.000 χ²/NDF: 4264494940.7/18
Left In: 148.004+/-0.000 χ²/NDF:13738070.0/6
+ sign 146.017+/-0.000 χ²/NDF: 4145550002.9/24
All: 145.964+/-0.000 χ²/NDF: 8758745144.3
- sign 145.905+/-0.000 χ²/NDF: 4612537918.2/25

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.347+/-0.000 χ^2/NDF:579351.6/8

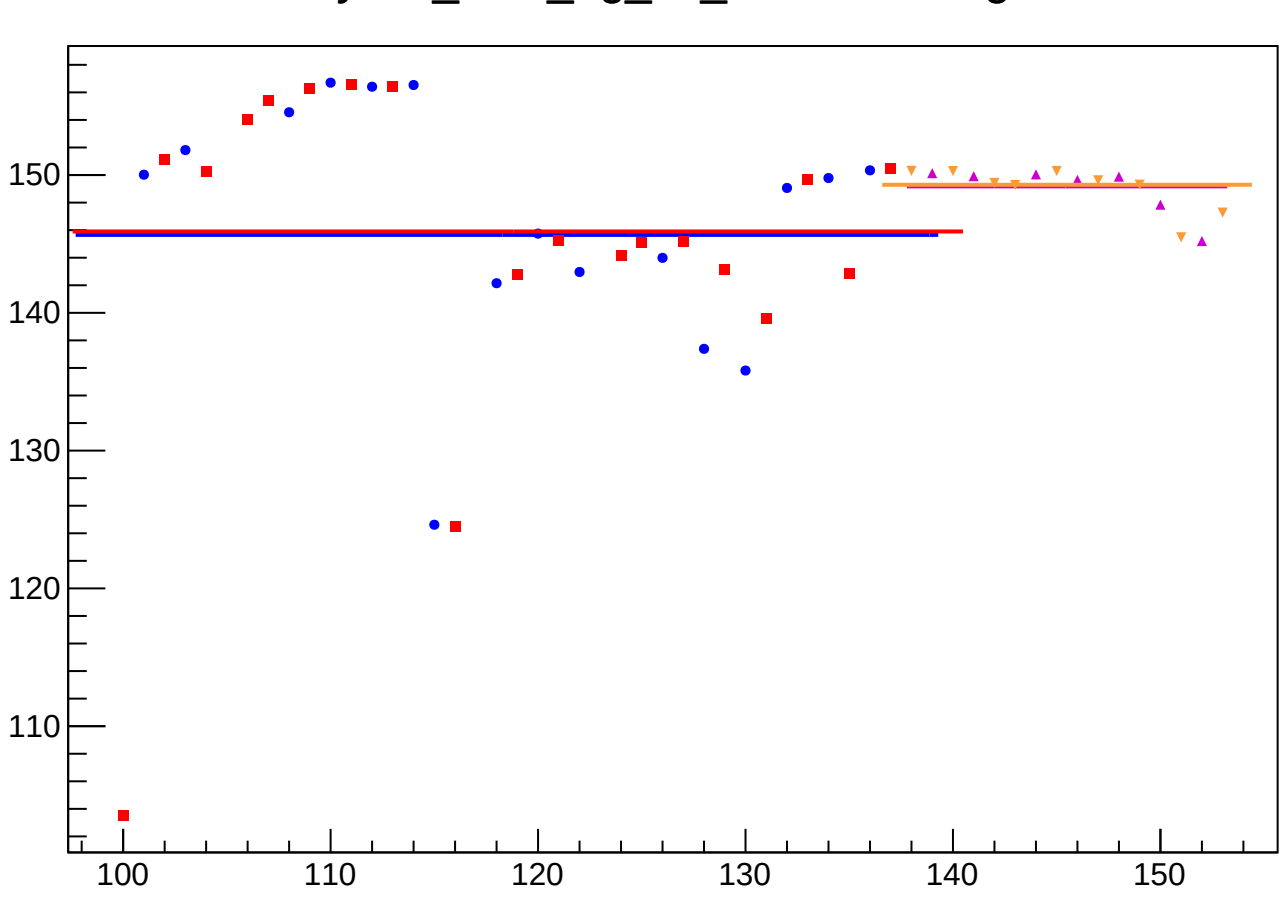
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.359+/-0.000 χ^2/NDF:540865.6/6

+ sign 0.334+/-0.000 χ^2/NDF: 2007196.7/24

All: 0.338+/-0.000 χ^2/NDF: 3904708.5/50

- sign 0.342+/-0.000 χ^2/NDF: 1891686.4/25



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.294+/-0.000 χ^2/NDF:87905836.9/8

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

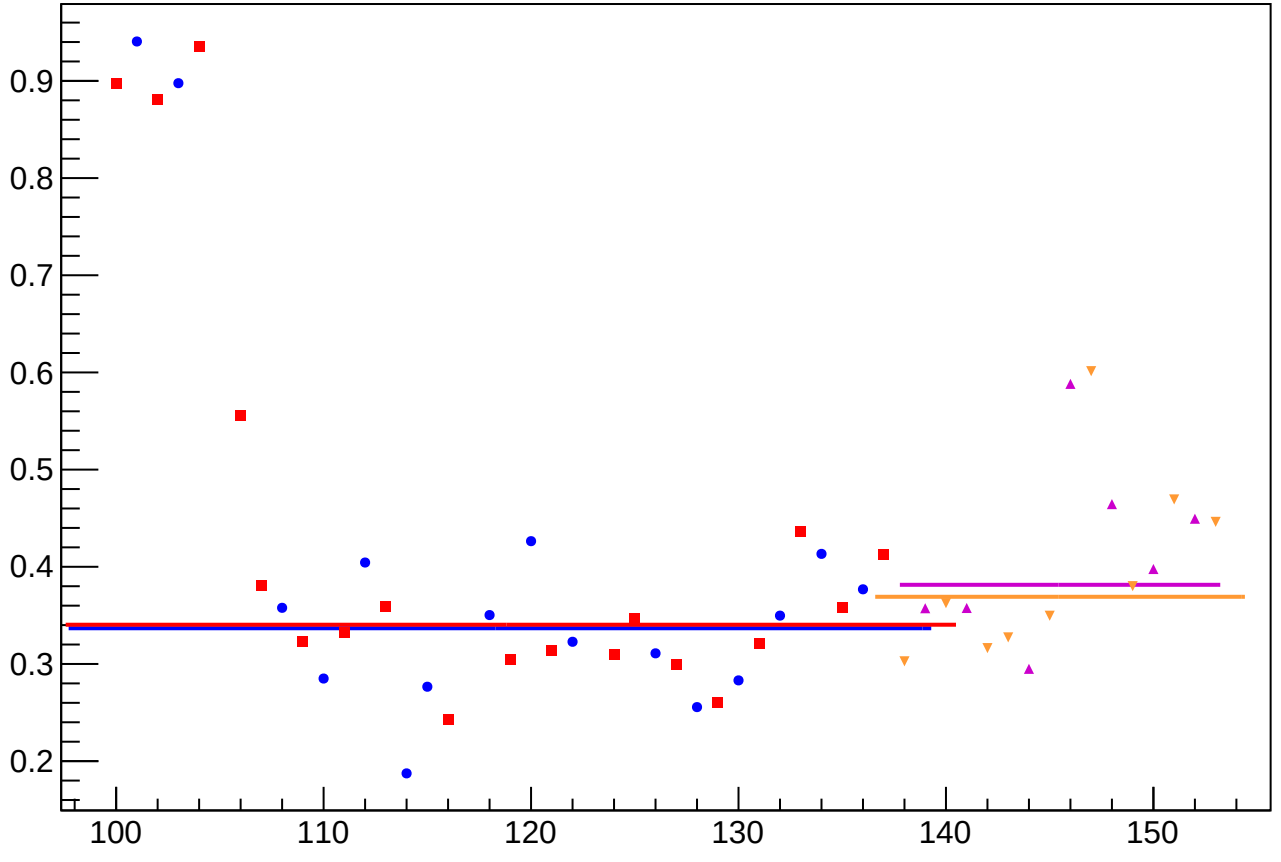
Left In: 149.178+/-0.000 χ^2/NDF:91928690.5/6

+ sign 147.374+/-0.000 χ^2/NDF: 3896944100.0/24

All: 147.333+/-0.000 χ^2/NDF: 8090287960.8

- sign 147.288+/-0.000 χ^2/NDF: 4192992346.4/25

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.369+/-0.000 χ^2/NDF:472329.7/8

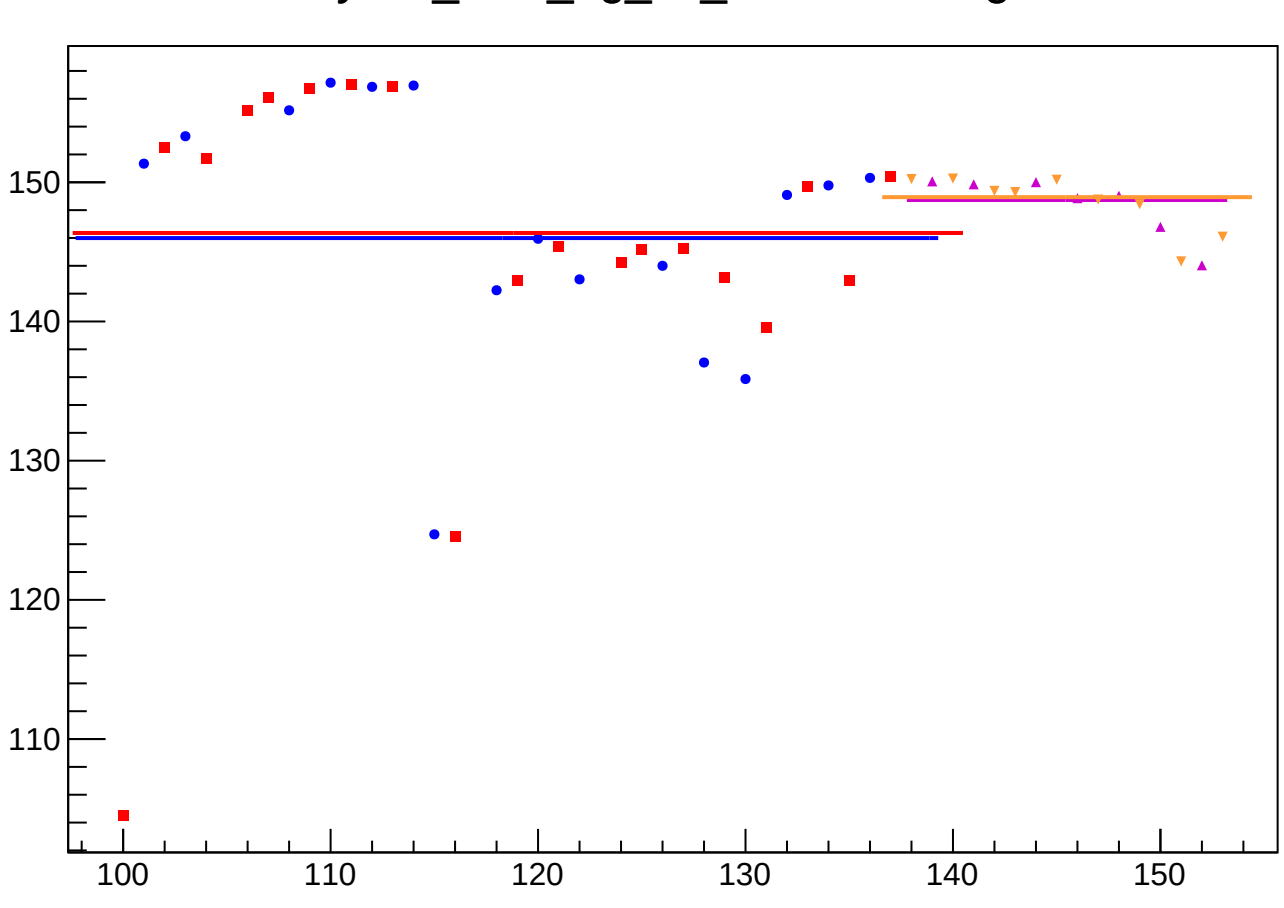
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.381+/-0.000 χ^2/NDF:459748.4/6

+ sign 0.352+/-0.000 χ^2/NDF: 1894782.9/24

All: 0.355+/-0.000 χ^2/NDF: 3707335.6/50

- sign 0.358+/-0.000 χ^2/NDF: 1809455.3/25



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 148.932+/-0.000 χ^2/NDF:144429184.0/8

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

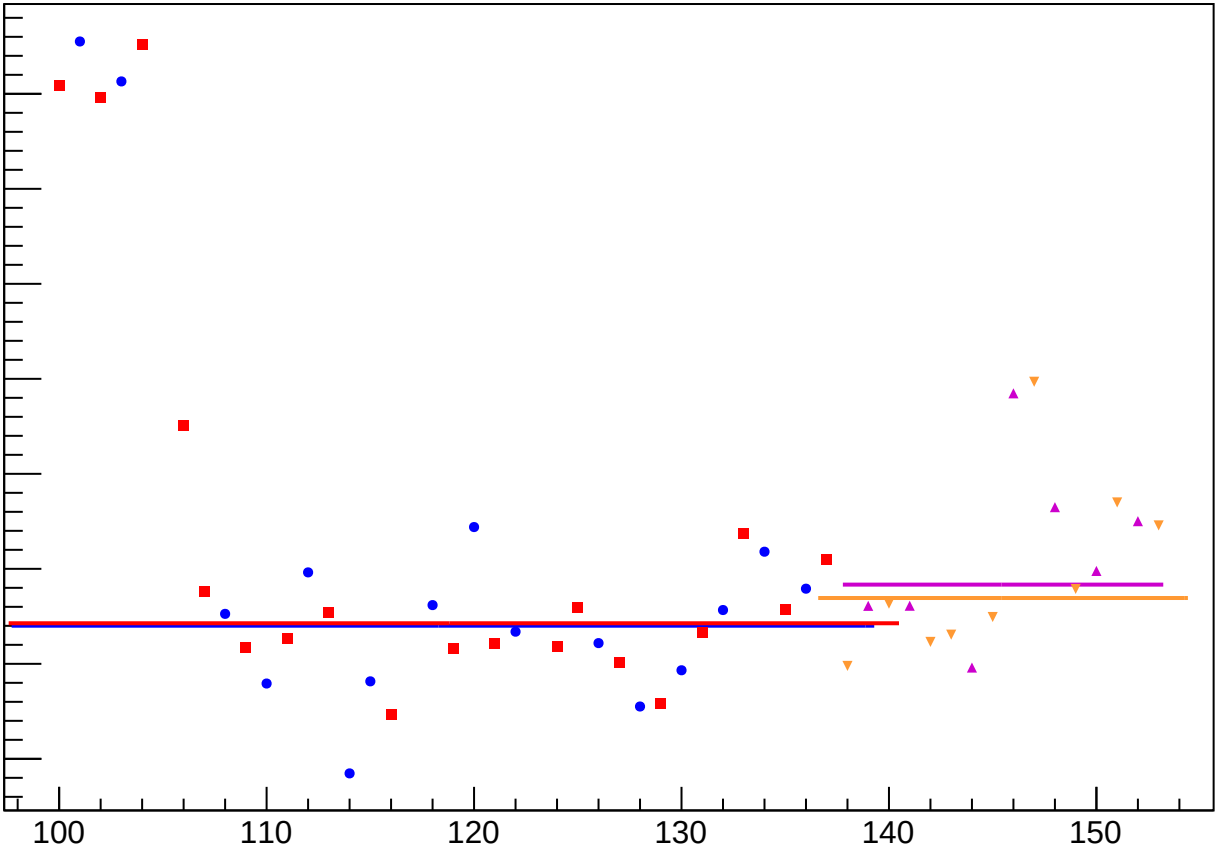
Left In: 148.729+/-0.000 χ^2/NDF:143916072.6/6

+ sign 147.395+/-0.000 χ^2/NDF: 3977232254.1/24

All: 147.379+/-0.000 χ^2/NDF: 8207473621.9

- sign 147.363+/-0.000 χ^2/NDF: 4230193341.5/25

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.369+/-0.000 χ^2/NDF:469011.2/8

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

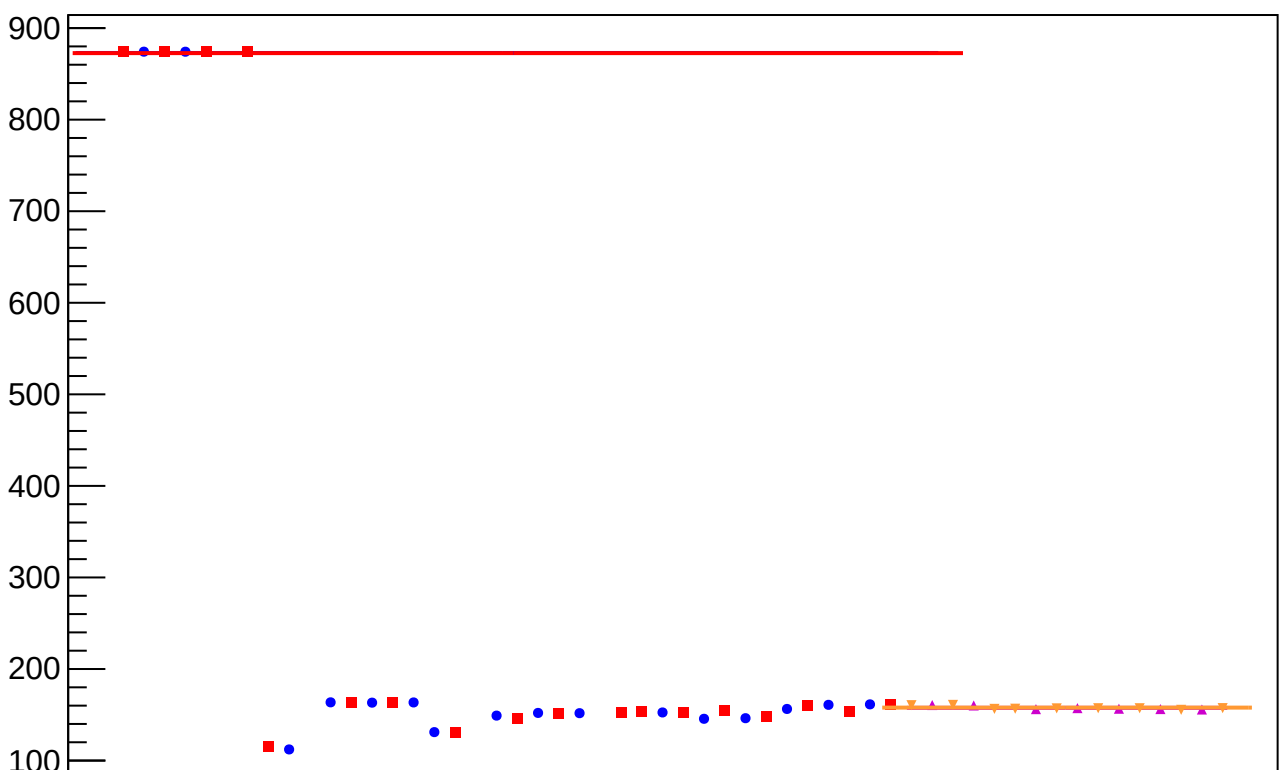
Left In: 0.383+/-0.000 χ^2/NDF:445410.7/6

+ sign 0.354+/-0.000 χ^2/NDF: 1903722.4/24

All: 0.357+/-0.000 χ^2/NDF: 3695667.9/50

- sign 0.360+/-0.000 χ^2/NDF: 1788686.6/25

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.841+/-0.000 χ^2/NDF:40756656.0/8

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

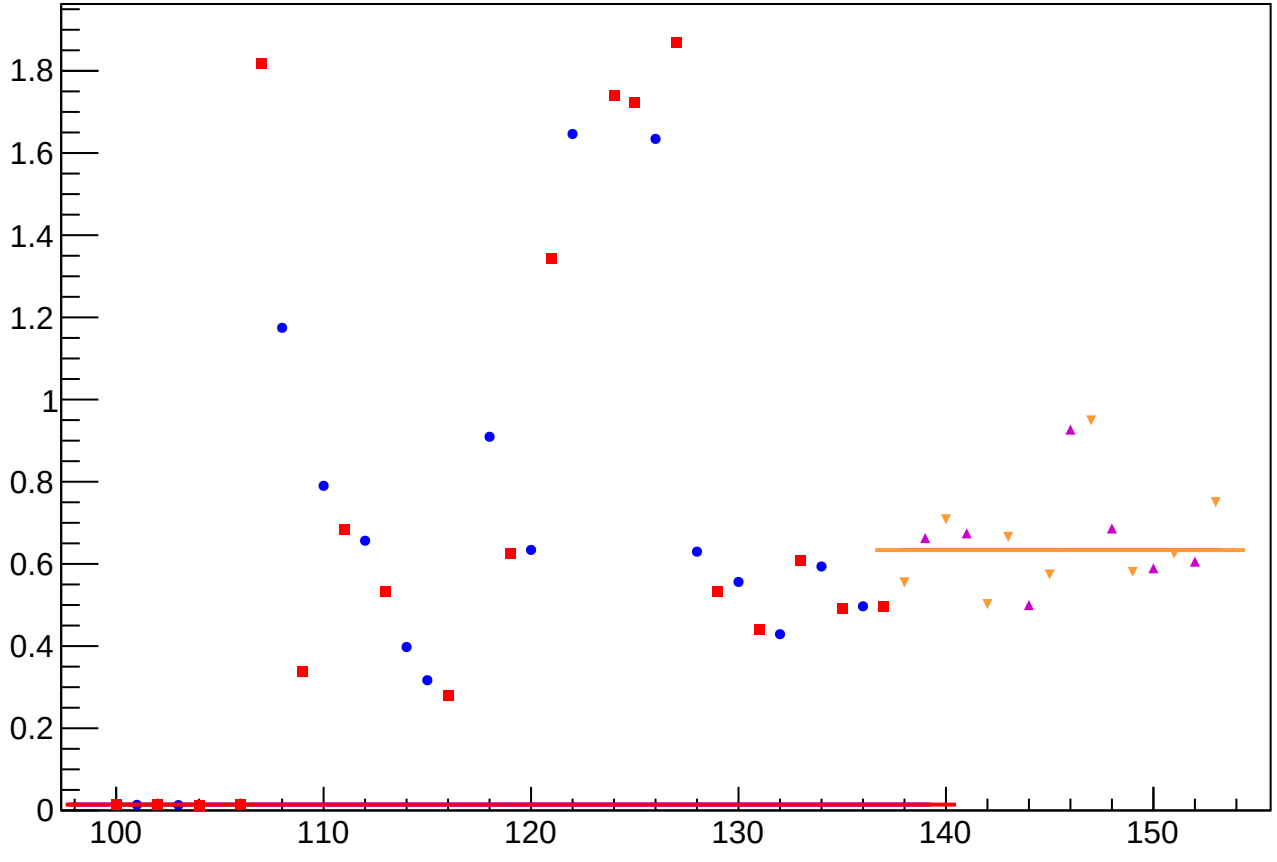
Left In: 157.559+/-0.000 χ^2/NDF:39079706.0/6

+ sign 871.686+/-0.000 χ^2/NDF: 12977495926567.

All: 871.745+/-0.000 χ^2/NDF: 27308690640

- sign 871.796+/-0.000 χ^2/NDF: 14331148437393.1

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.634+/-0.000 χ^2/NDF:240751.7/8

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

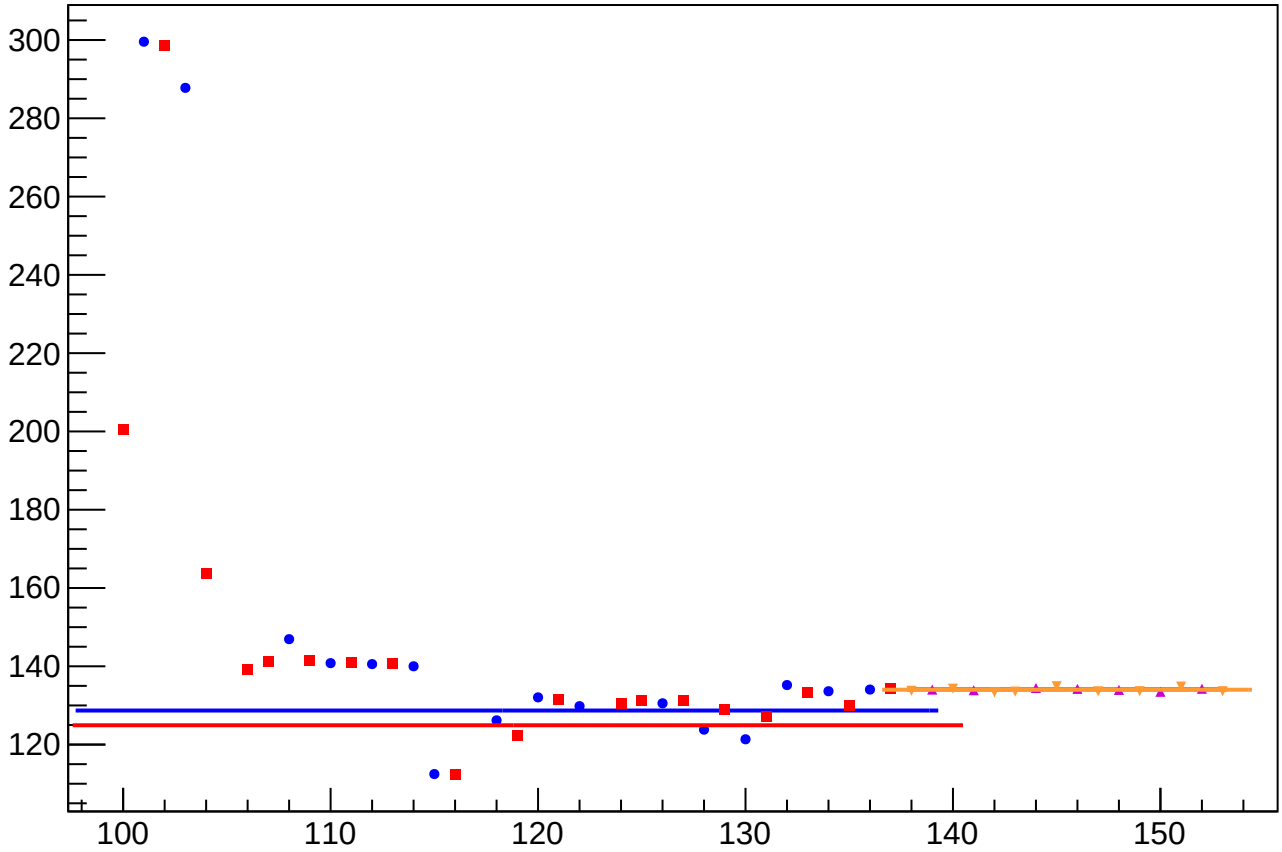
Left In: 0.634+/-0.000 χ^2/NDF:204203.2/6

+ sign 0.015+/-0.000 χ^2/NDF: 18542481.8/24

All: 0.015+/-0.000 χ^2/NDF: 35915350.1/50

- sign 0.015+/-0.000 χ^2/NDF: 17371865.6/25

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.012+/-0.000 χ^2/NDF:9404491.3/8

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

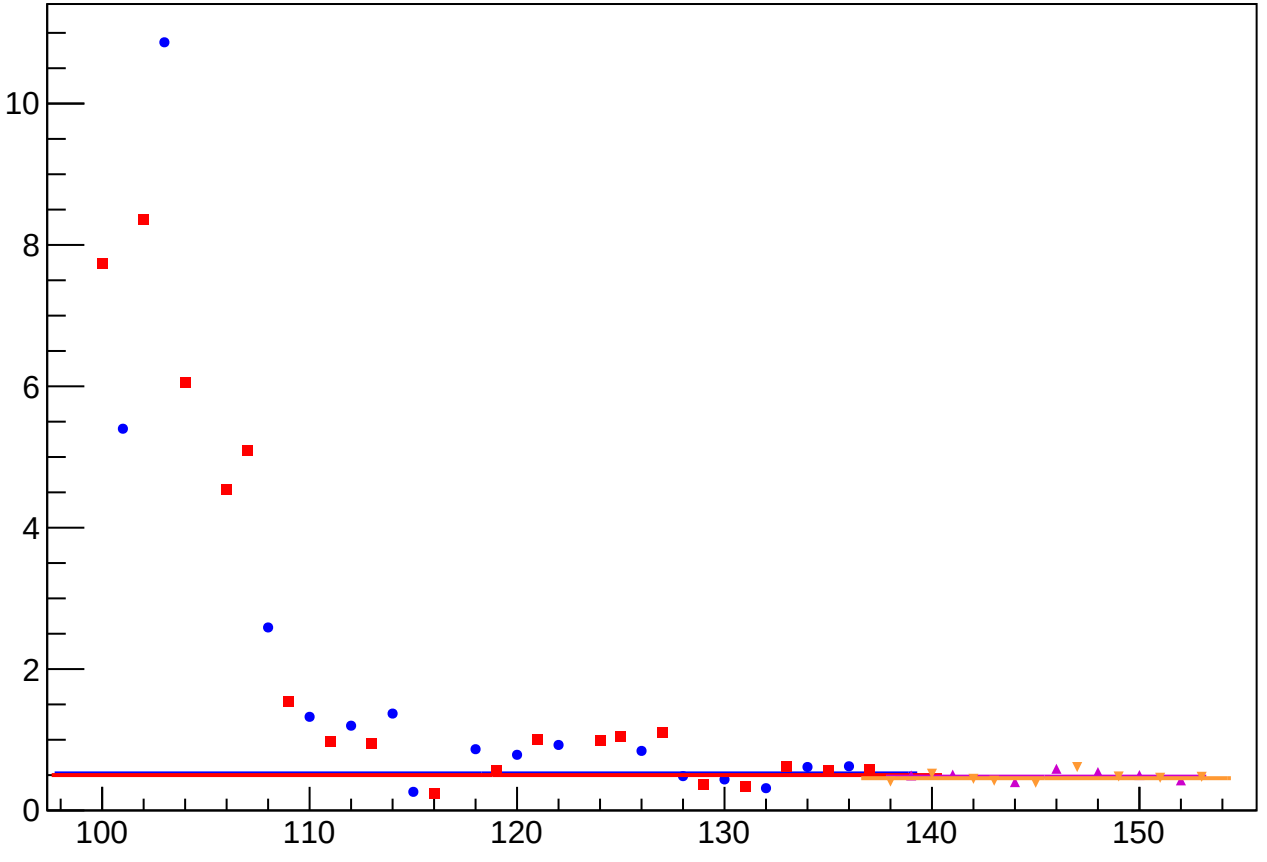
Left In: 134.094+/-0.000 χ^2/NDF:2191766.5/6

+ sign 132.282+/-0.000 χ^2/NDF: 1919817646.5/24

All: 131.458+/-0.000 χ^2/NDF: 4096760660.0

- sign 130.515+/-0.000 χ^2/NDF: 2117188253.3/25

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.456+/-0.000 χ^2/NDF:183907.3/8

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.478+/-0.000 χ^2/NDF:172763.5/6

+ sign 0.478+/-0.000 χ^2/NDF: 4405113.4/24

All: 0.482+/-0.000 χ^2/NDF: 9473287.7/50

- sign 0.487+/-0.000 χ^2/NDF: 5065280.6/25

yield_cav4dQ_mean vs Slug

Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.268+/-0.000 χ^2/NDF:16035287.6/8

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

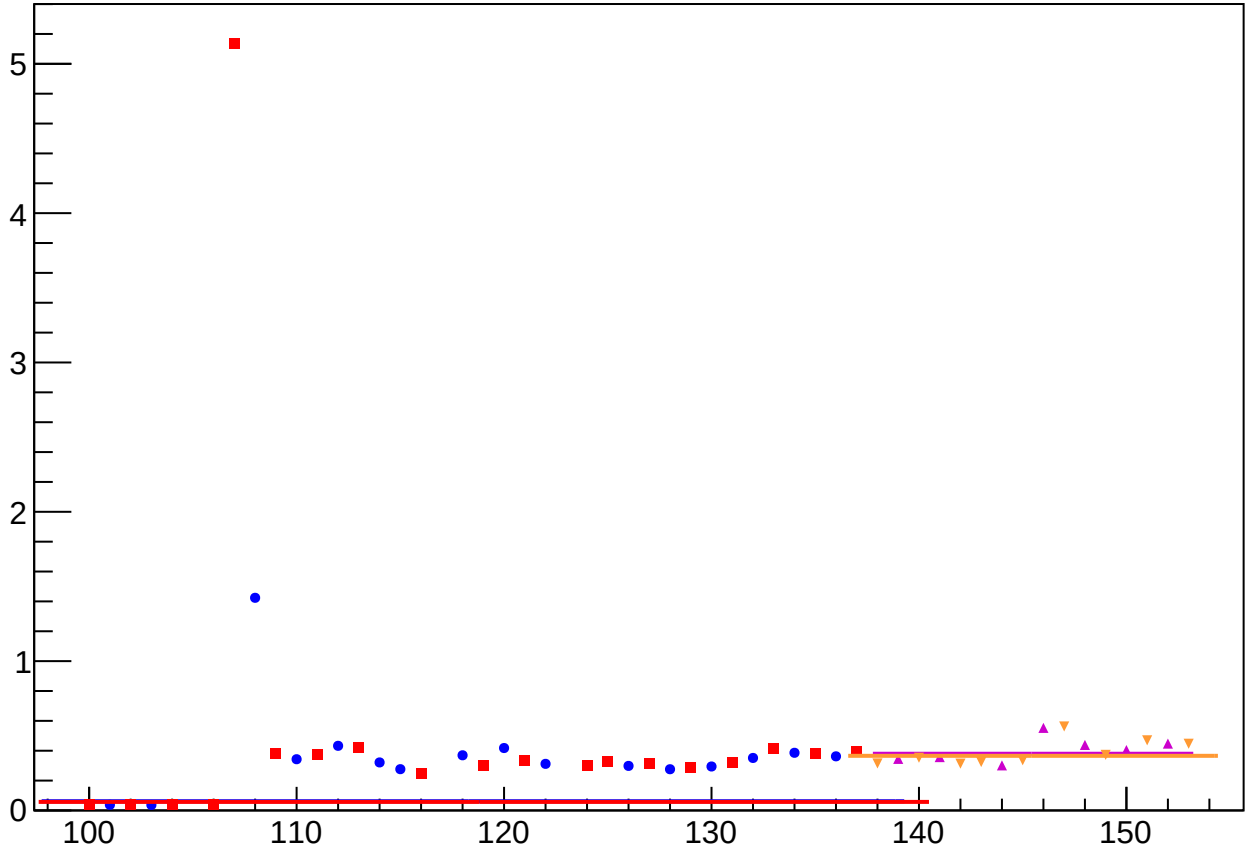
Left In: 137.282+/-0.000 χ^2/NDF:3874815.9/6

+ sign 1706.268+/-0.000 χ^2/NDF: 2755569697887

All: 1739.899+/-0.000 χ^2/NDF: 5307994061

- sign 1769.407+/-0.000 χ^2/NDF: 25392831494092

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.366+/-0.000 χ^2/NDF:420098.6/8

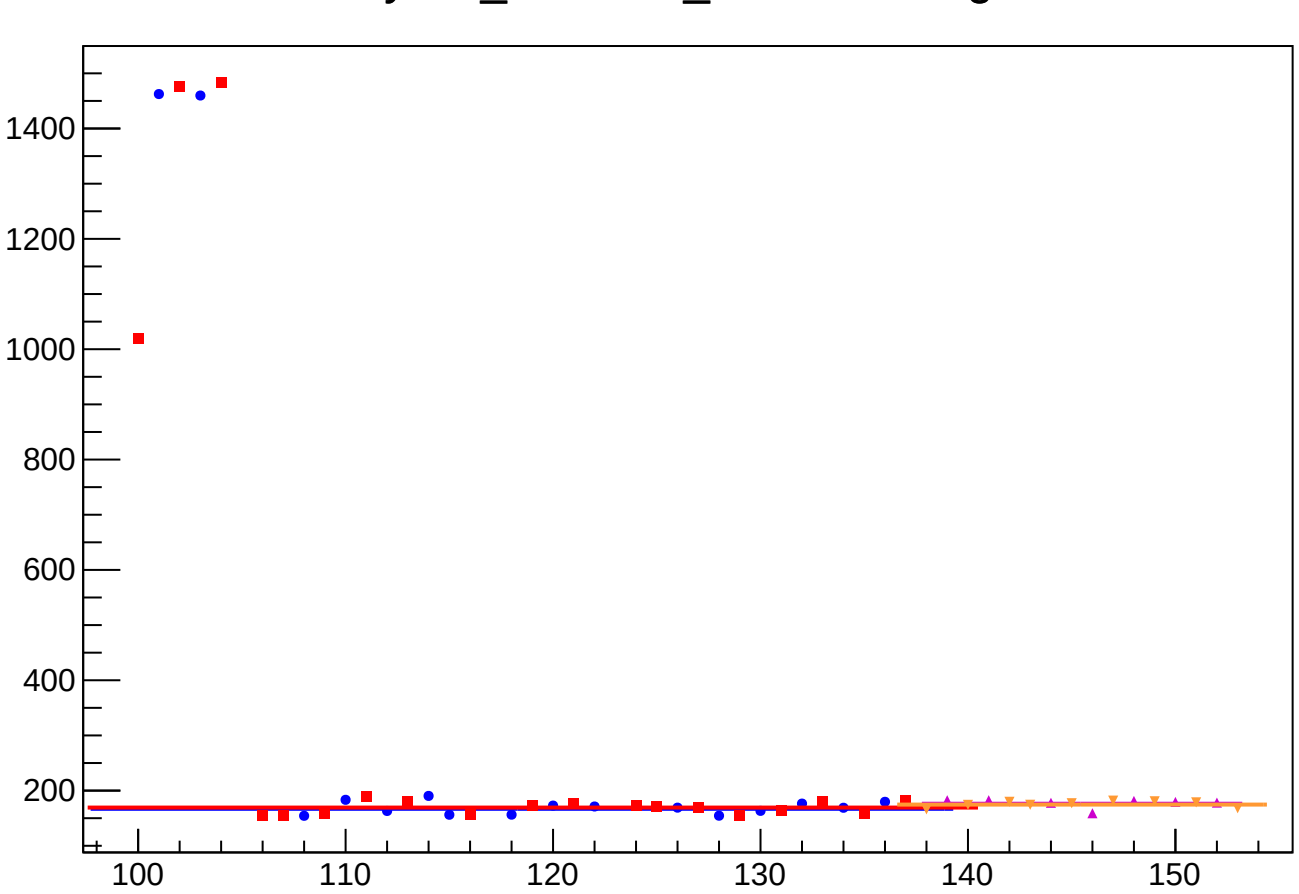
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.380+/-0.000 χ^2/NDF:377562.6/6

+ sign 0.086+/-0.000 χ^2/NDF: 16866503.7/24

All: 0.080+/-0.000 χ^2/NDF: 32792379.1/50

- sign 0.075+/-0.000 χ^2/NDF: 15855642.1/25



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.668+/-0.000 χ^2/NDF:196953840.9/8

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

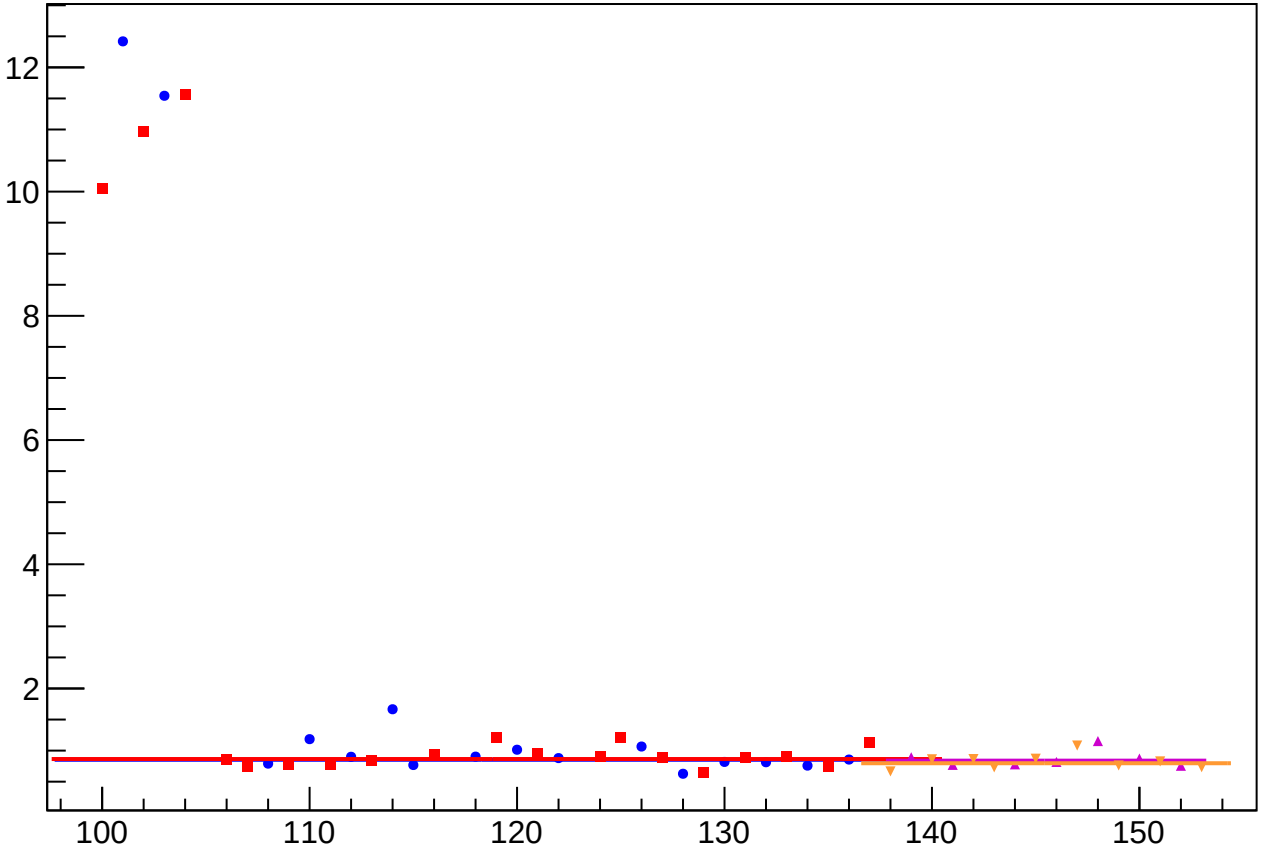
Left In: 176.217+/-0.000 χ^2/NDF:370264090.9/6

+ sign 171.211+/-0.000 χ^2/NDF: 14981882547.0/24

All: 171.924+/-0.000 χ^2/NDF: 31812614159.

- sign 172.698+/-0.000 χ^2/NDF: 16818310243.7/25

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.797+/-0.000 χ^2/NDF:145340.2/8

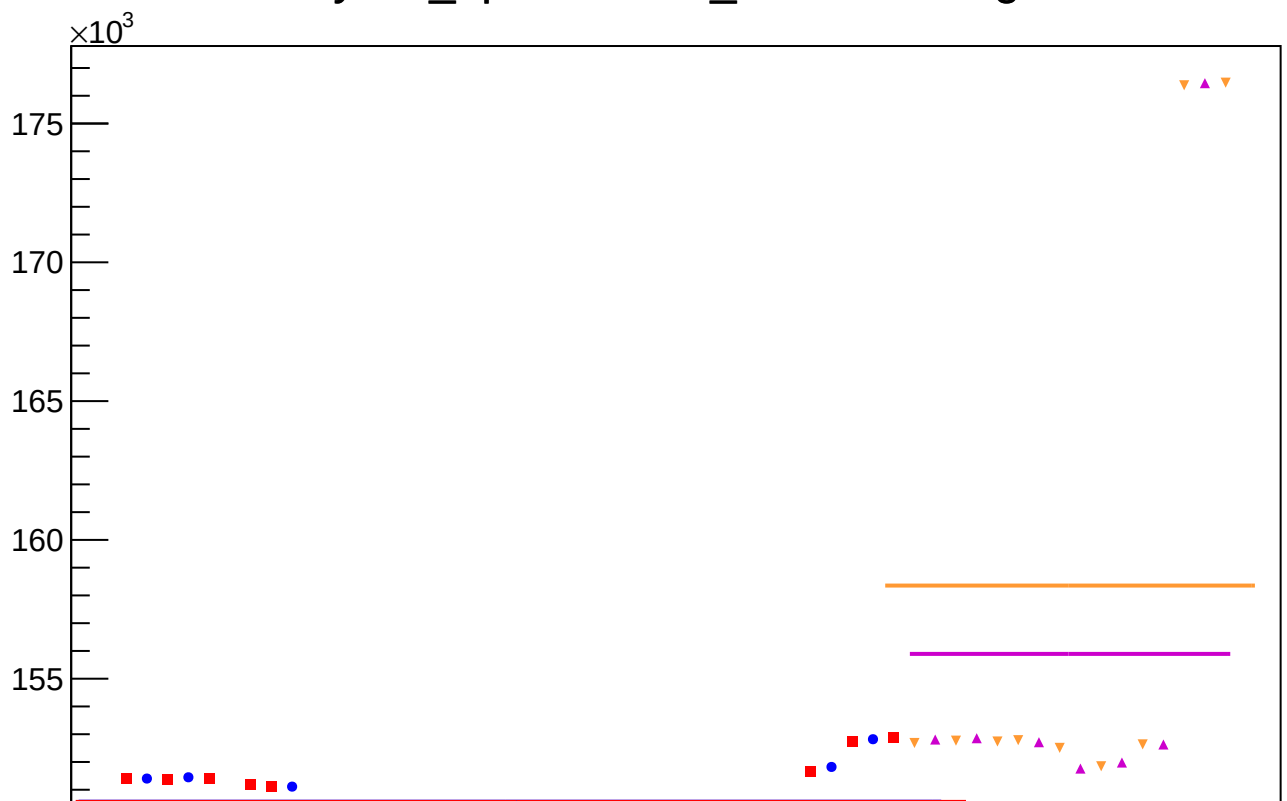
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.838+/-0.000 χ^2/NDF:122816.1/6

+ sign 0.822+/-0.000 χ^2/NDF: 2466035.8/24

All: 0.836+/-0.000 χ^2/NDF: 4811383.5/50

- sign 0.851+/-0.000 χ^2/NDF: 2335721.2/25



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 158355.261+/-0.067 χ^2/NDF:23538658740.078

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

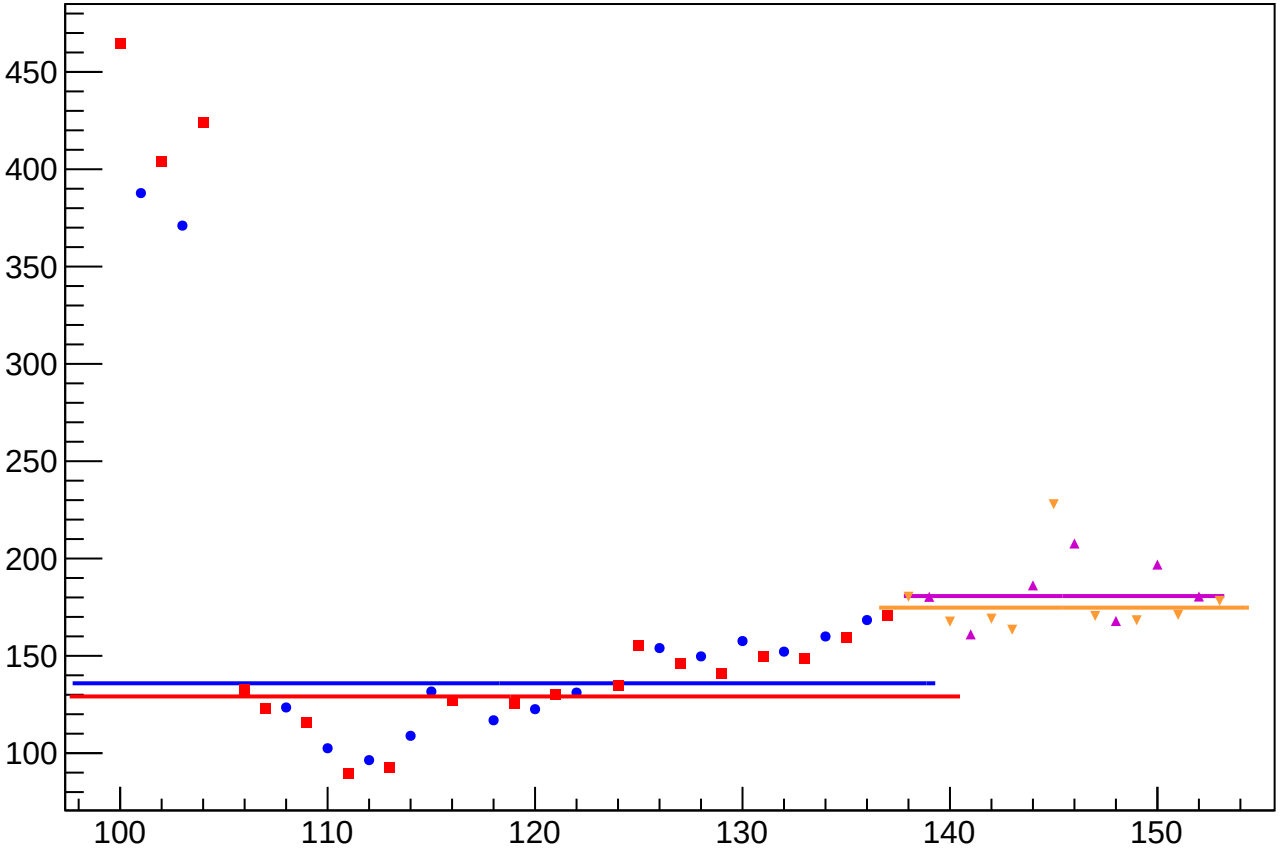
Left In: 155893.330+/-0.074 χ^2/NDF:12883391693.2/6

+ sign 153691.635+/-0.042 χ^2/NDF: 31929741334.

All: 152982.688+/-0.030 χ^2/NDF: 49103102

- sign 152284.409+/-0.042 χ^2/NDF: 16614828100.

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.765+/-0.047 χ^2/NDF:105641.3/8

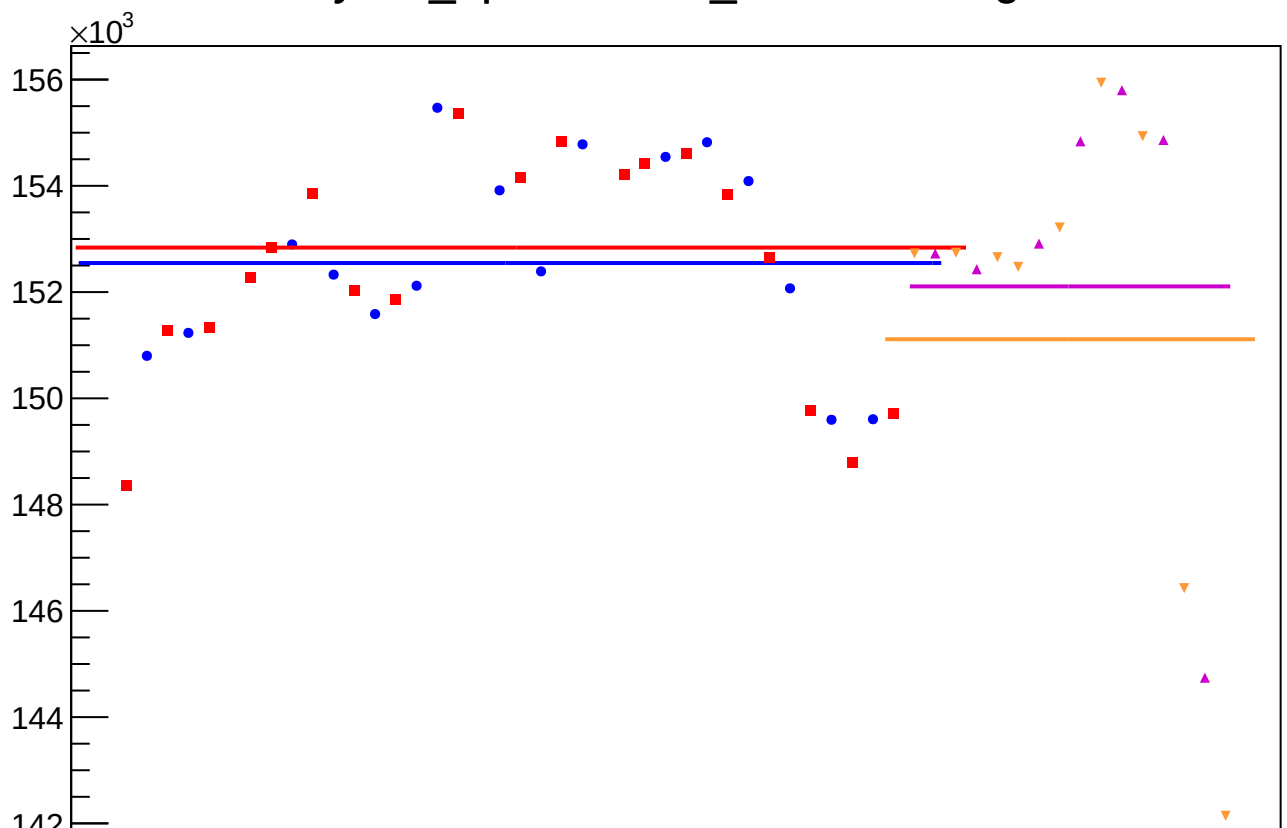
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.713+/-0.052 χ^2/NDF:78700.3/6

+ sign 151.485+/-0.030 χ^2/NDF: 1928333.9/24

All: 148.620+/-0.021 χ^2/NDF: 4301136.9/50

- sign 145.798+/-0.030 χ^2/NDF: 2354553.2/25



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 151112.450+/-0.075 χ^2/NDF:3013897691.2/8

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

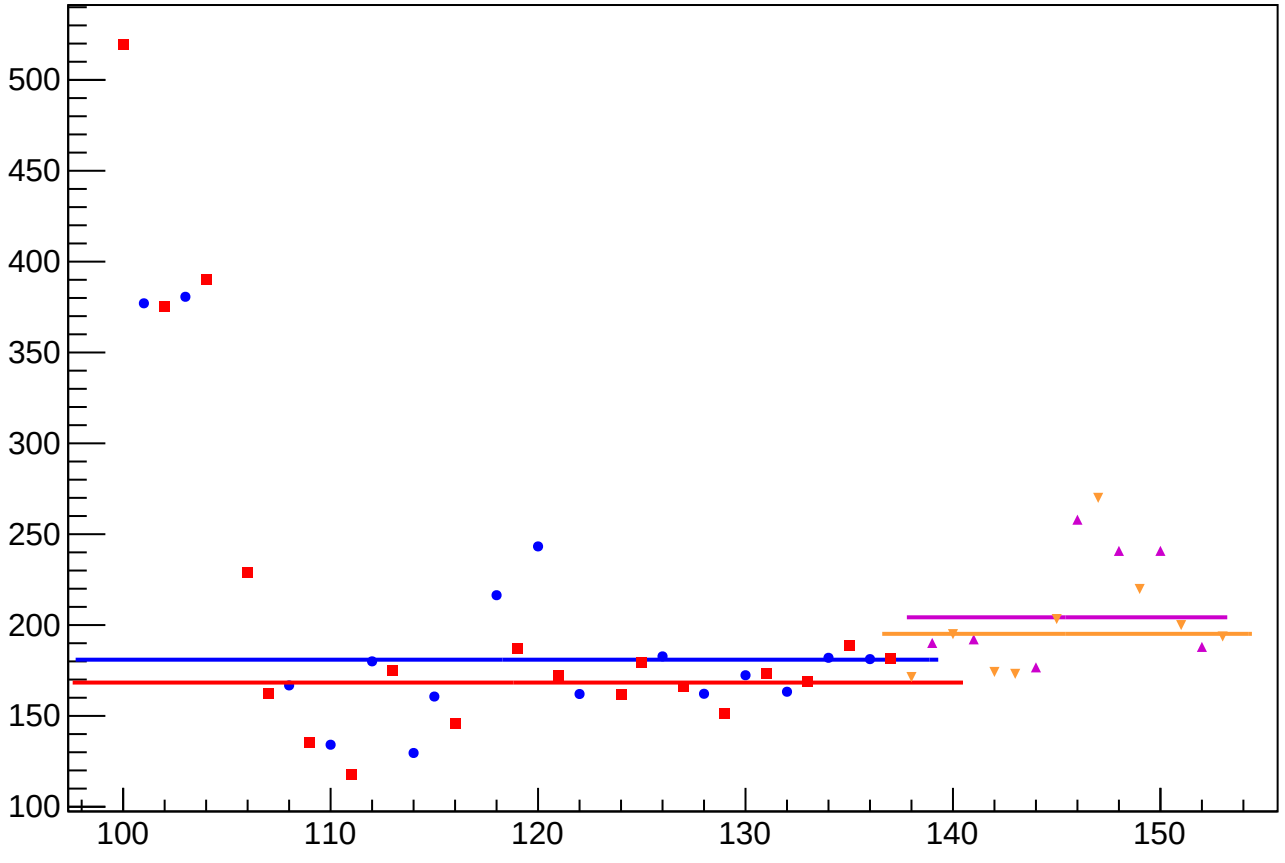
Left In: 152107.141+/-0.084 χ^2/NDF:1717968798.6/6

+ sign 151854.042+/-0.052 χ^2/NDF: 3856921511.4

All: 152204.842+/-0.037 χ^2/NDF: 64484721

- sign 152556.348+/-0.052 χ^2/NDF: 2501175515.7/

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.165+/-0.053 χ^2/NDF:217255.8/8

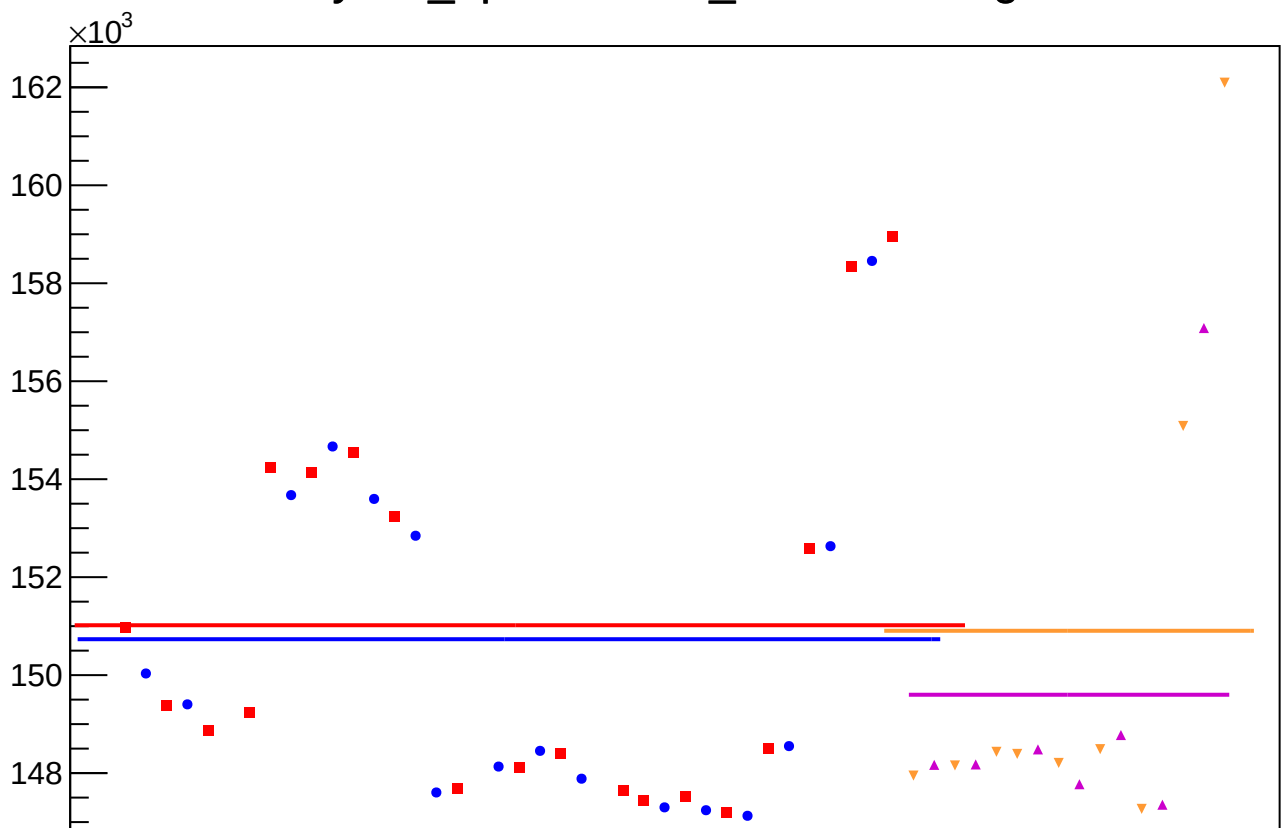
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 204.264+/-0.060 χ^2/NDF:225774.3/6

+ sign 187.810+/-0.037 χ^2/NDF: 1162094.0/24

All: 185.001+/-0.026 χ^2/NDF: 2712230.6/50

- sign 182.186+/-0.037 χ^2/NDF: 1538547.2/25



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 150905.464+/-0.073 χ^2/NDF:4724543445.9/8

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

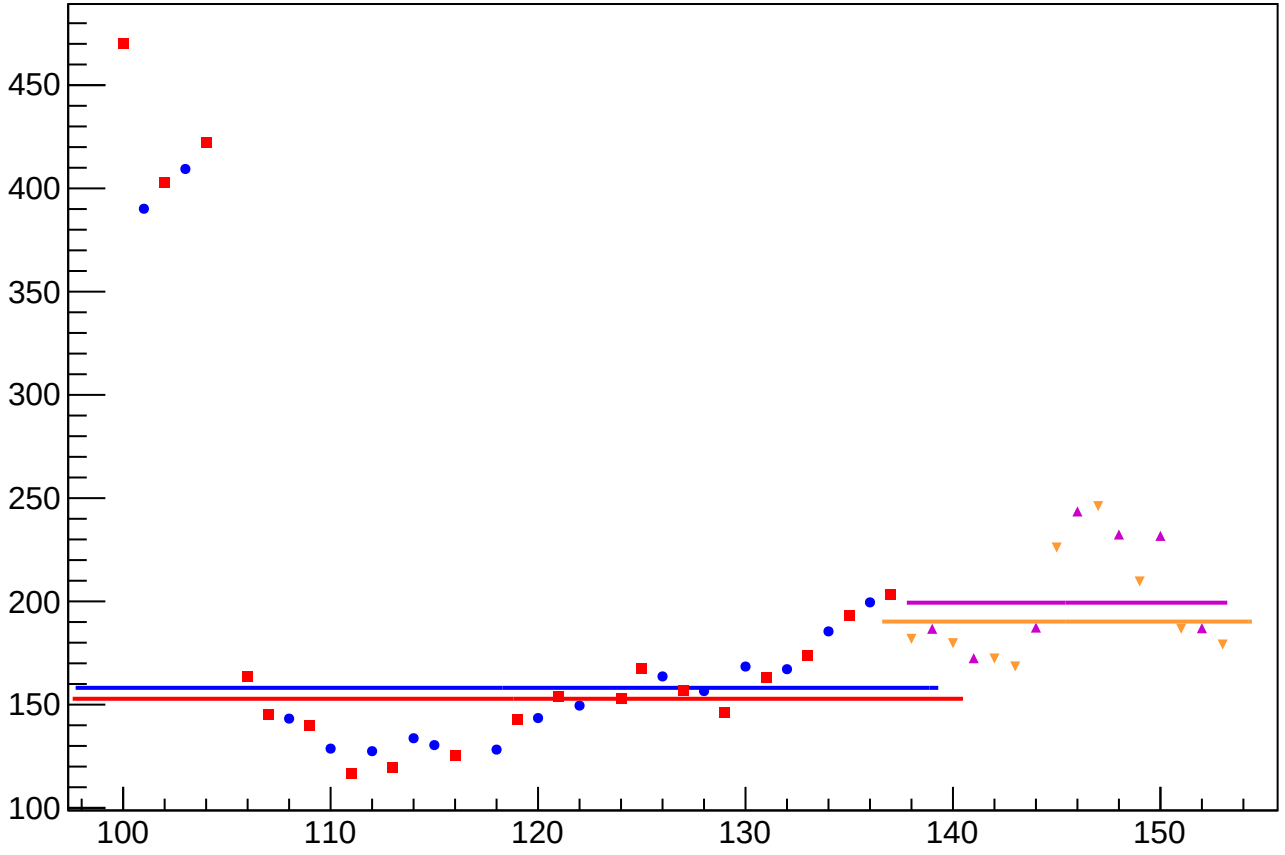
Left In: 149599.631+/-0.082 χ^2/NDF:1639865010.0/6

+ sign 150806.793+/-0.048 χ^2/NDF: 8011590288.6

All: 150666.387+/-0.034 χ^2/NDF: 13150858

- sign 150521.311+/-0.048 χ^2/NDF: 5121590750.0/

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 190.224+/-0.052 χ^2/NDF:190678.6/8

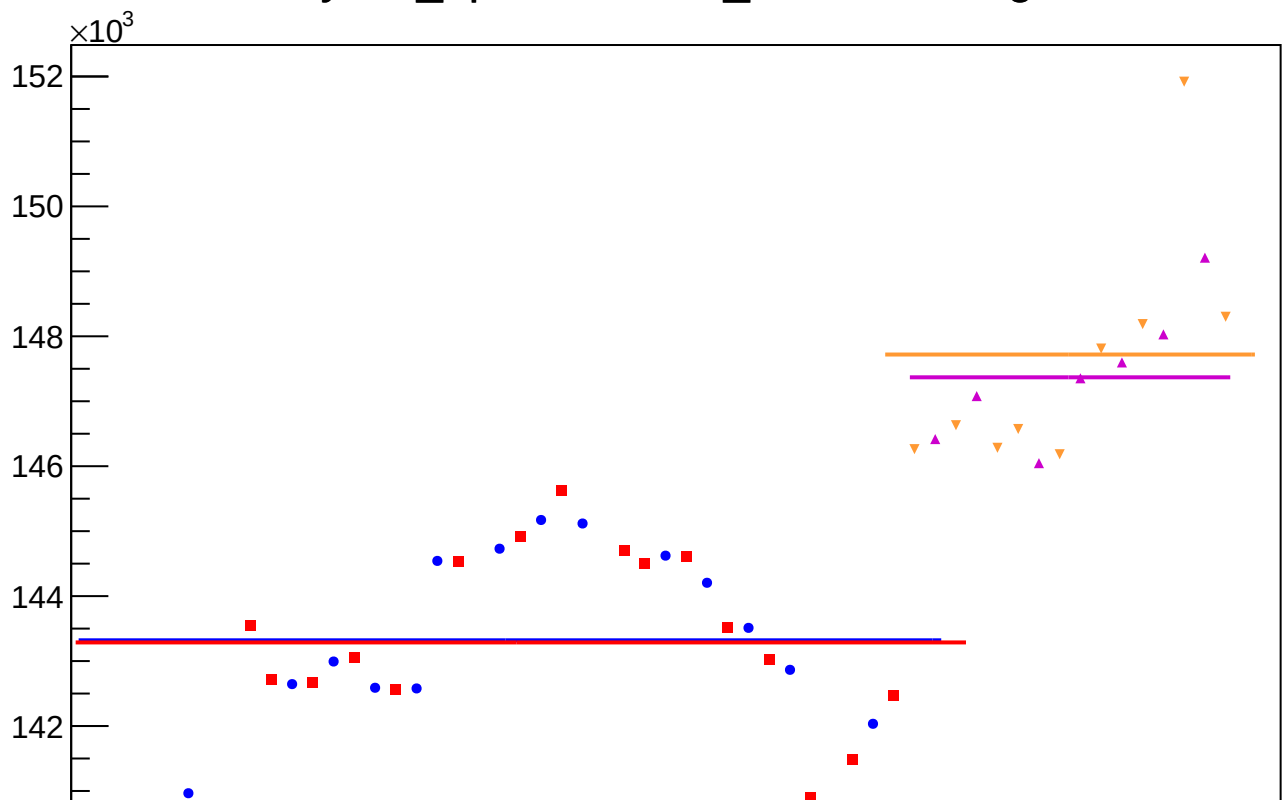
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 199.375+/-0.058 χ^2/NDF:190891.4/6

+ sign 171.834+/-0.034 χ^2/NDF: 1608543.0/24

All: 170.513+/-0.024 χ^2/NDF: 3487575.0/50

- sign 169.147+/-0.034 χ^2/NDF: 1875899.6/25



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147719.447+/-0.071 χ^2/NDF:668594786.3/8

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

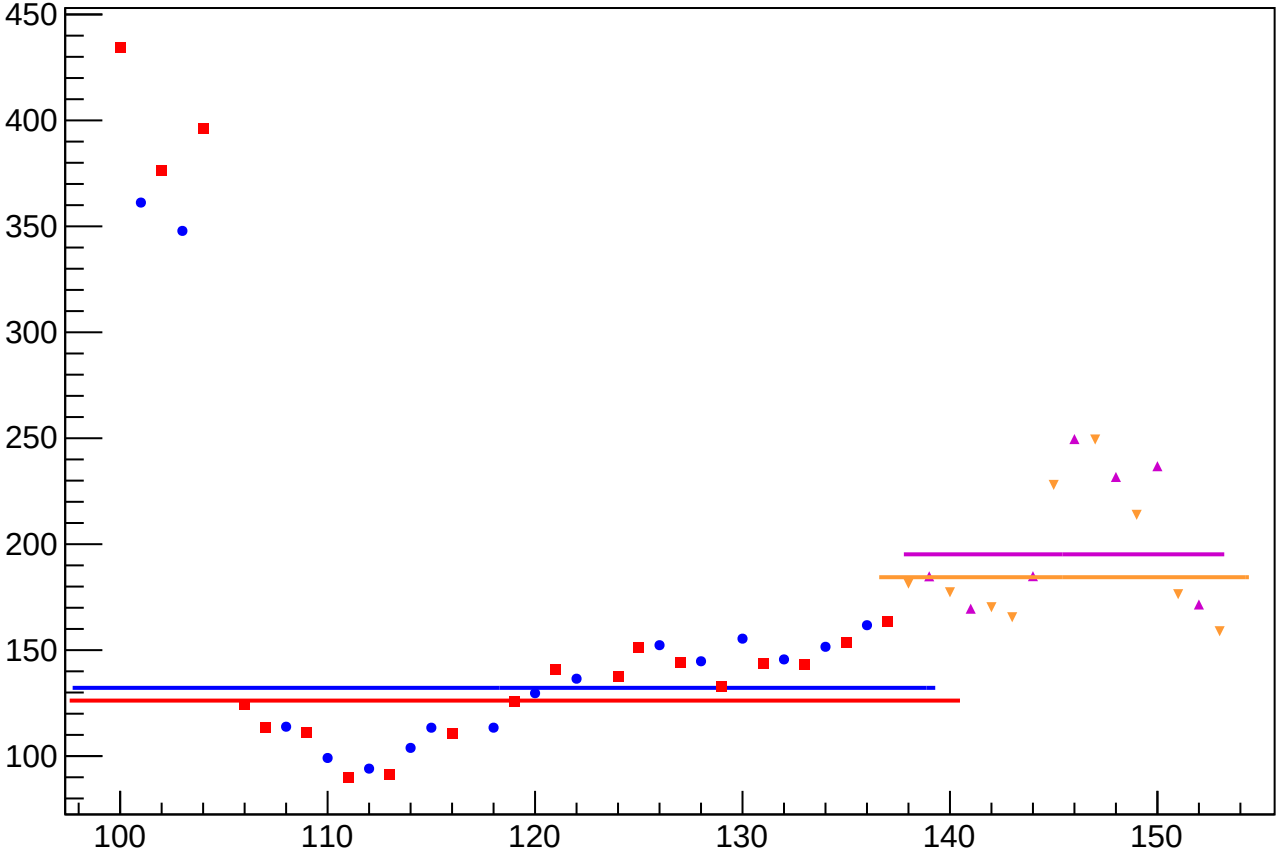
Left In: 147368.585+/-0.080 χ^2/NDF:174737291.9/6

+ sign 144899.723+/-0.043 χ^2/NDF: 3691229908.1

All: 144656.063+/-0.030 χ^2/NDF: 64155992

- sign 144415.215+/-0.042 χ^2/NDF: 2659097457.7/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 184.419+/-0.050 χ^2/NDF:276132.9/8

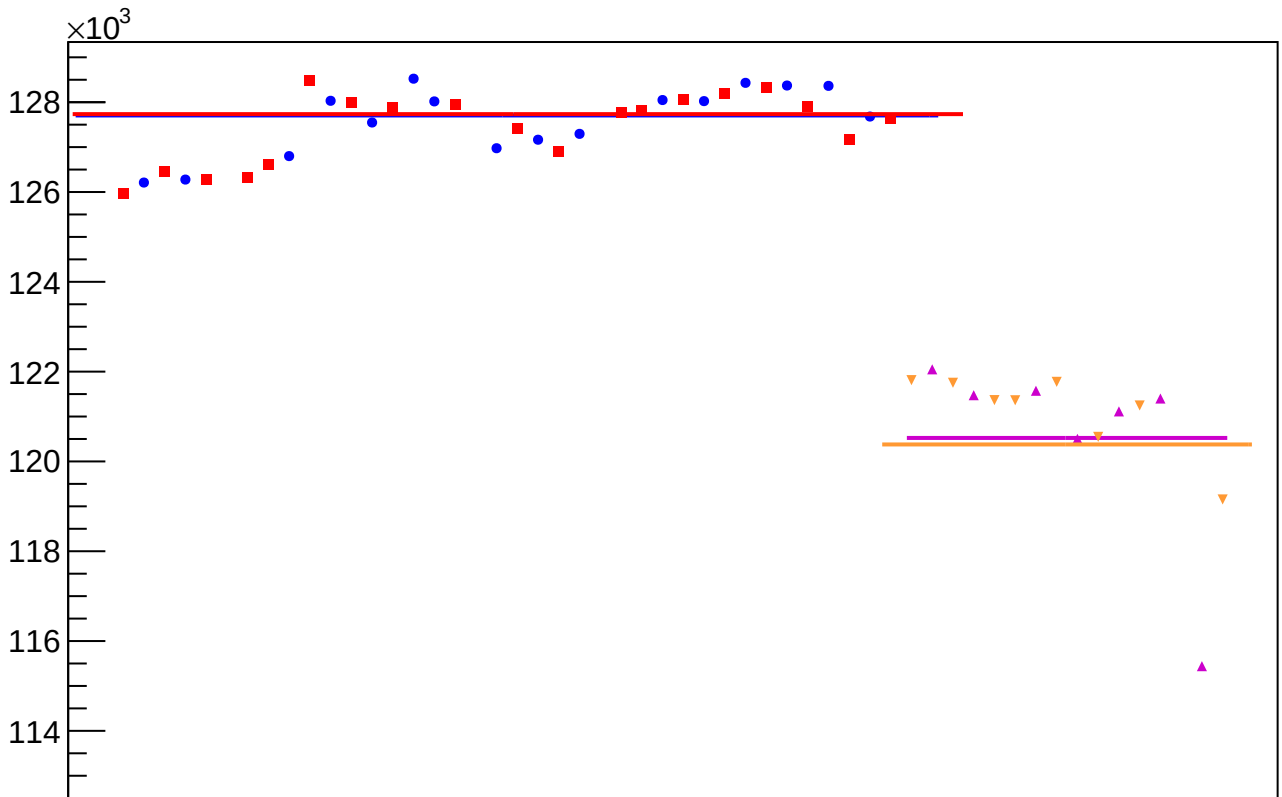
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 195.216+/-0.057 χ^2/NDF:261404.7/6

+ sign 150.956+/-0.030 χ^2/NDF: 2349162.4/24

All: 148.097+/-0.021 χ^2/NDF: 5239628.1/50

- sign 145.271+/-0.030 χ^2/NDF: 2872495.8/25



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120378.093+/-0.066 χ^2/NDF:1672029693.9/8

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

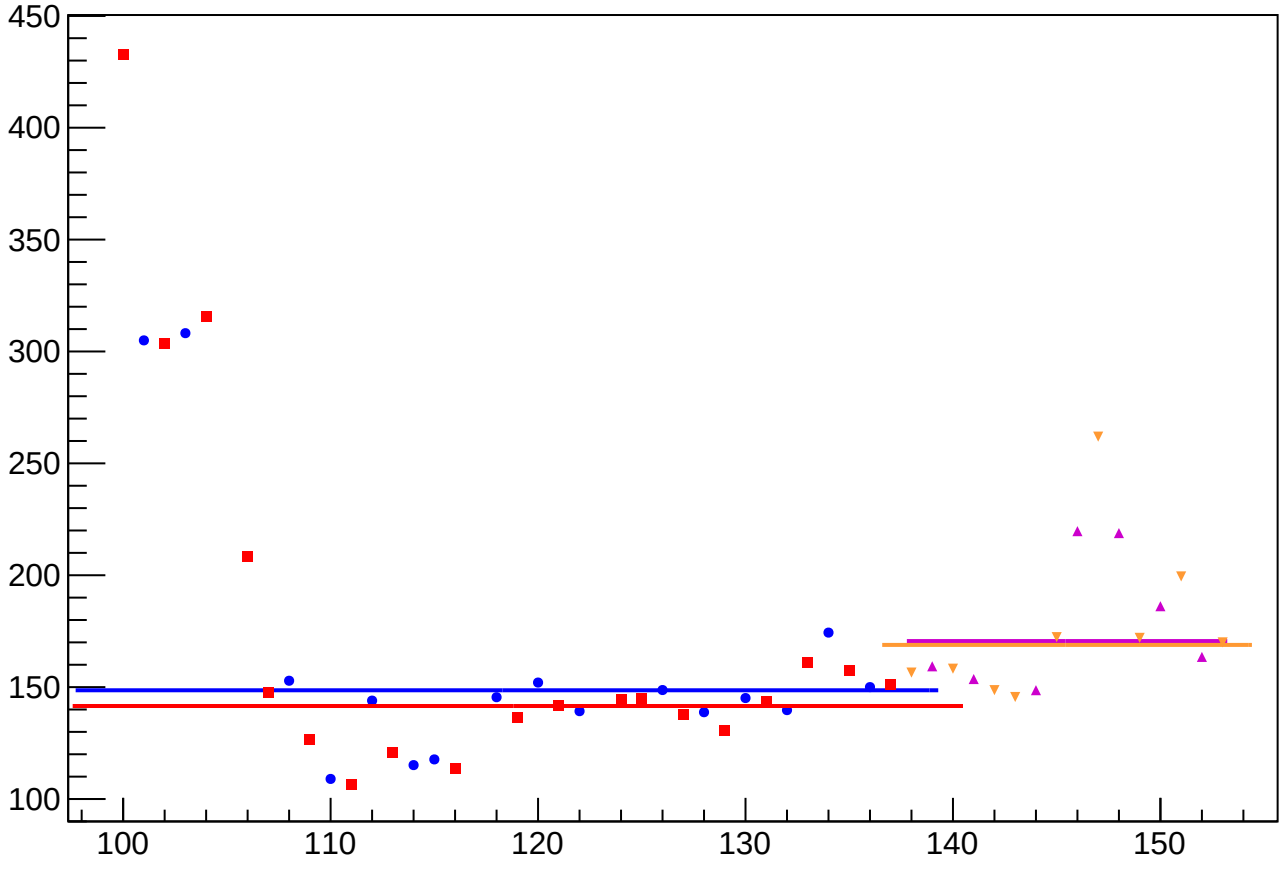
Left In: 120523.223+/-0.071 χ^2/NDF:980982027.7/6

+ sign 124471.865+/-0.044 χ^2/NDF: 8719077807.5

All: 124750.096+/-0.031 χ^2/NDF: 16370451

- sign 125024.791+/-0.043 χ^2/NDF: 7570684582.9/

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 168.868+/-0.046 χ^2/NDF:316722.7/8

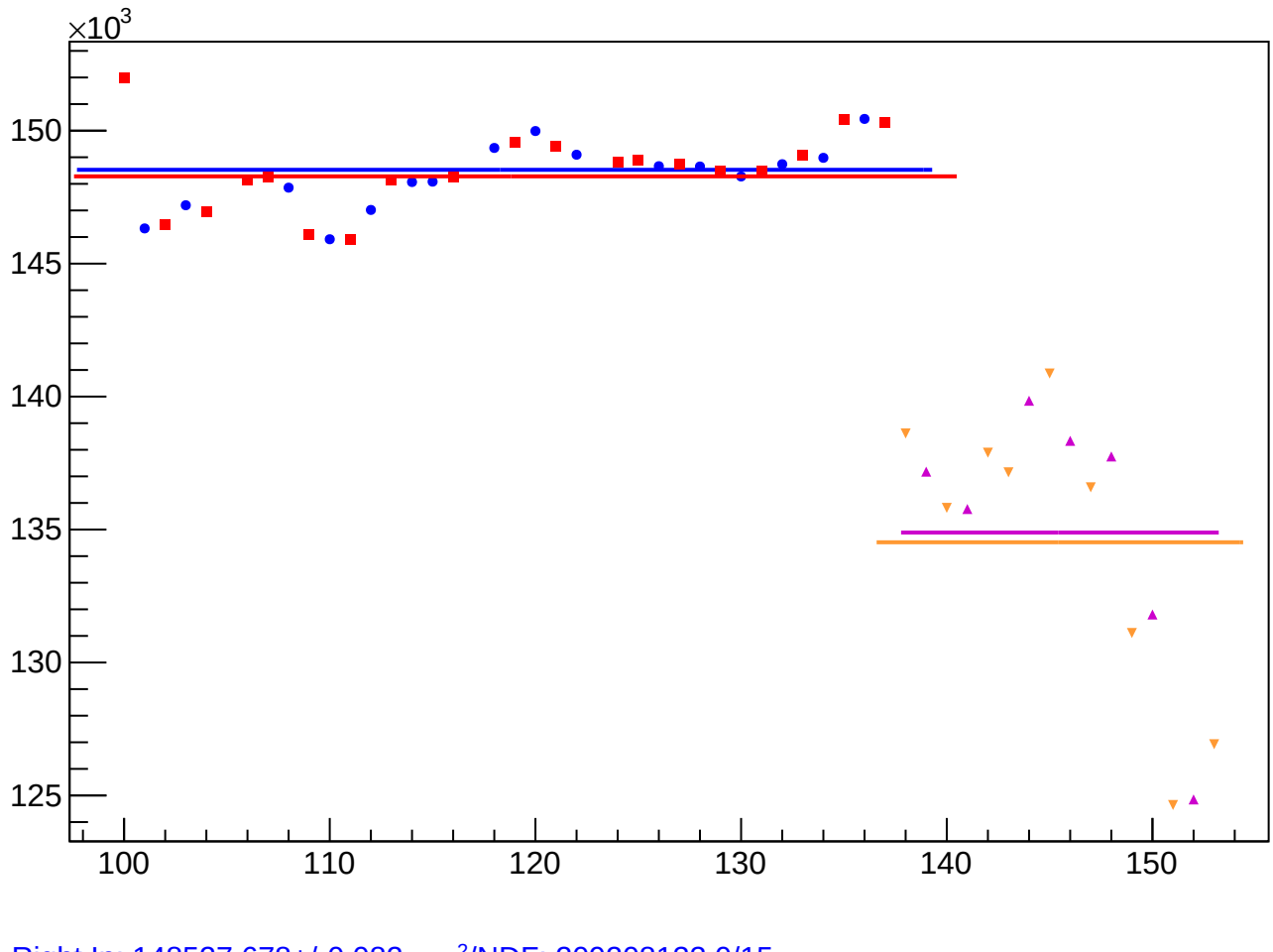
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 170.591+/-0.050 χ^2/NDF:246997.5/6

+ sign 157.540+/-0.031 χ^2/NDF: 1250746.2/24

All: 154.989+/-0.022 χ^2/NDF: 2722532.7/50

- sign 152.471+/-0.031 χ^2/NDF: 1458219.7/25



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 134521.322+/-0.098 χ^2/NDF:2535367440.5/8

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

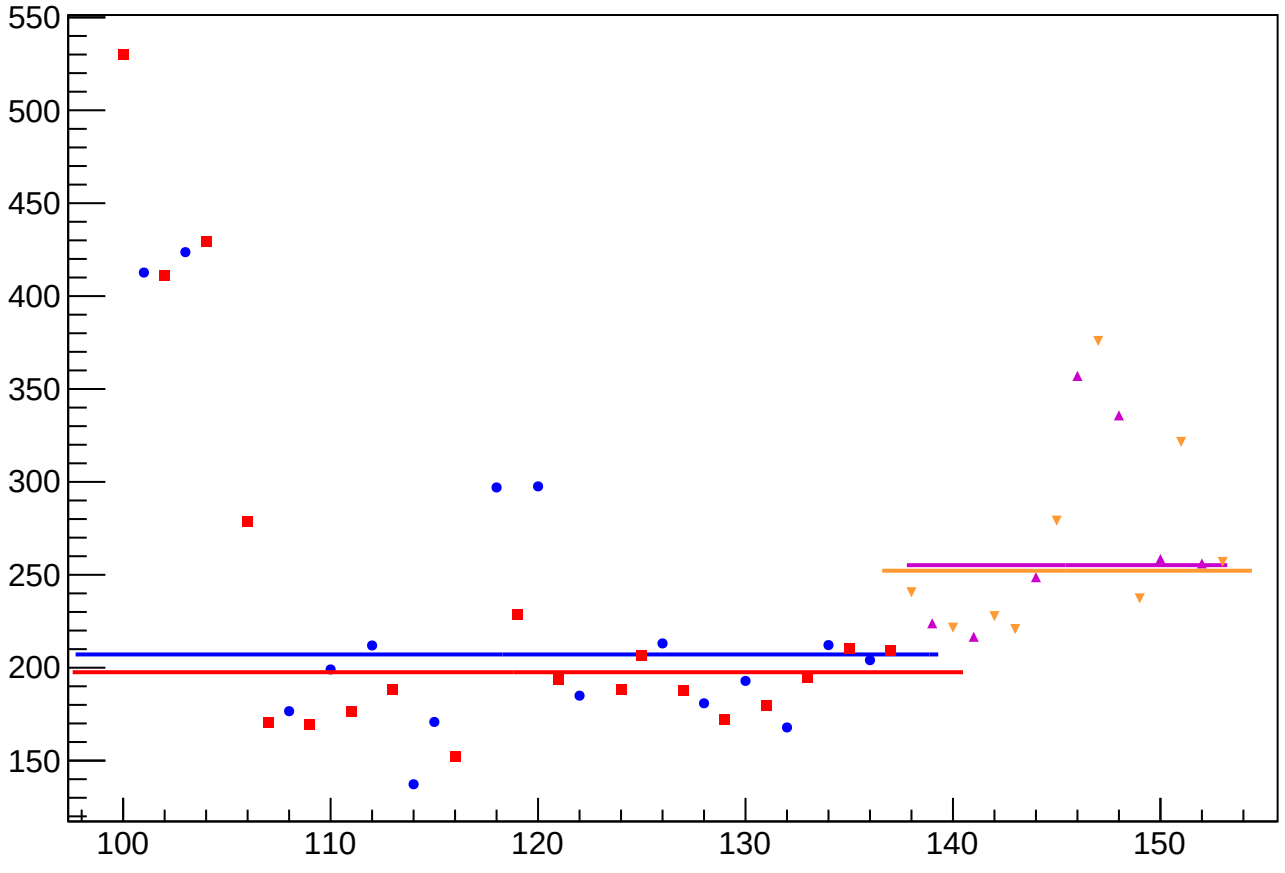
Left In: 134887.154+/-0.106 χ^2/NDF:2012941605.3/6

+ sign 142740.008+/-0.063 χ^2/NDF: 14818124538.

All: 143208.231+/-0.044 χ^2/NDF: 27773606

- sign 143665.281+/-0.062 χ^2/NDF: 12845517719.

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 252.198+/-0.069 χ^2/NDF:350195.3/8

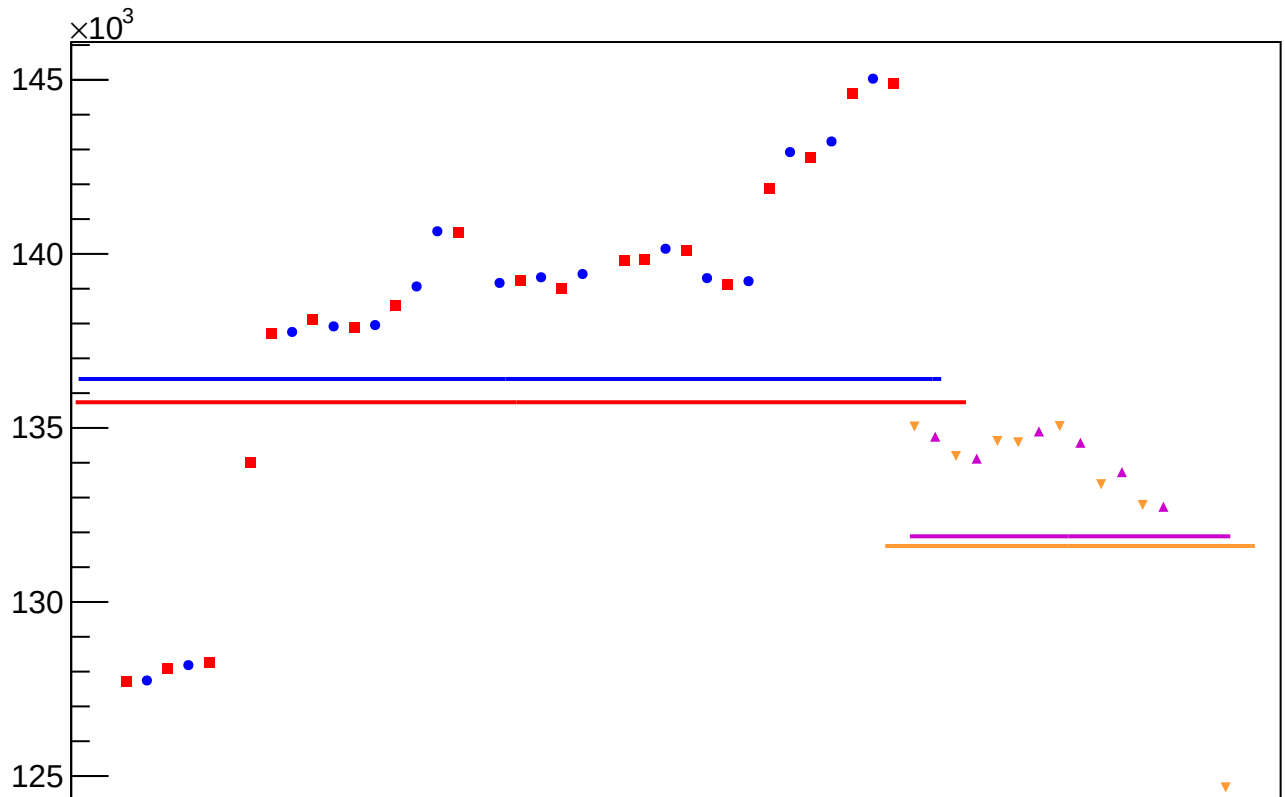
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 255.190+/-0.075 χ^2/NDF:324555.5/6

+ sign 225.756+/-0.044 χ^2/NDF: 1572363.1/24

All: 221.543+/-0.031 χ^2/NDF: 3208707.1/50

- sign 217.430+/-0.044 χ^2/NDF: 1618538.7/25



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 131609.496+/-0.207 χ^2/NDF:480202274.9/8

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

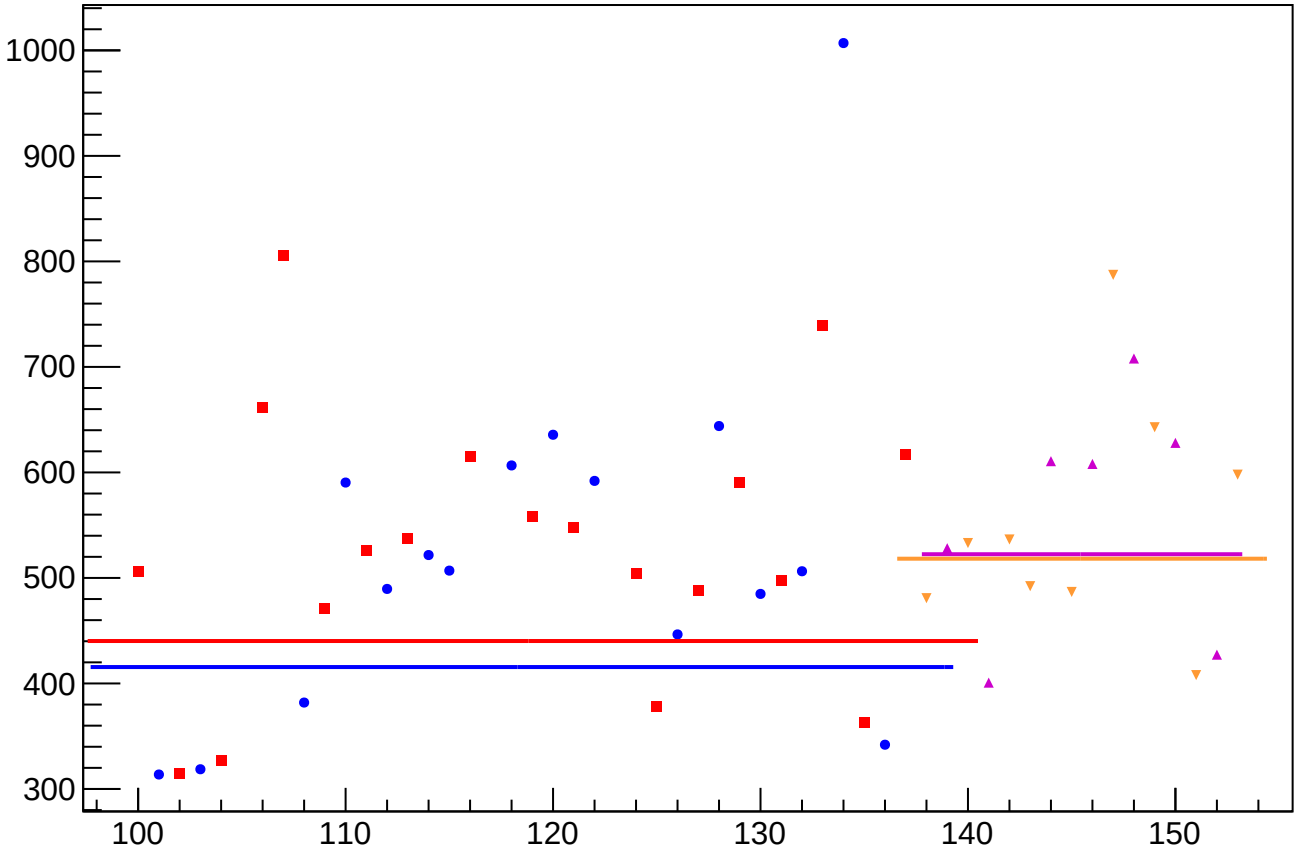
Left In: 131886.919+/-0.232 χ^2/NDF:345234362.5/6

+ sign 134498.819+/-0.131 χ^2/NDF: 2379394400.1/

All: 134417.475+/-0.096 χ^2/NDF: 40741626

- sign 134323.620+/-0.141 χ^2/NDF: 1693935588.0/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 518.233+/-0.147 χ^2/NDF:386158.4/8

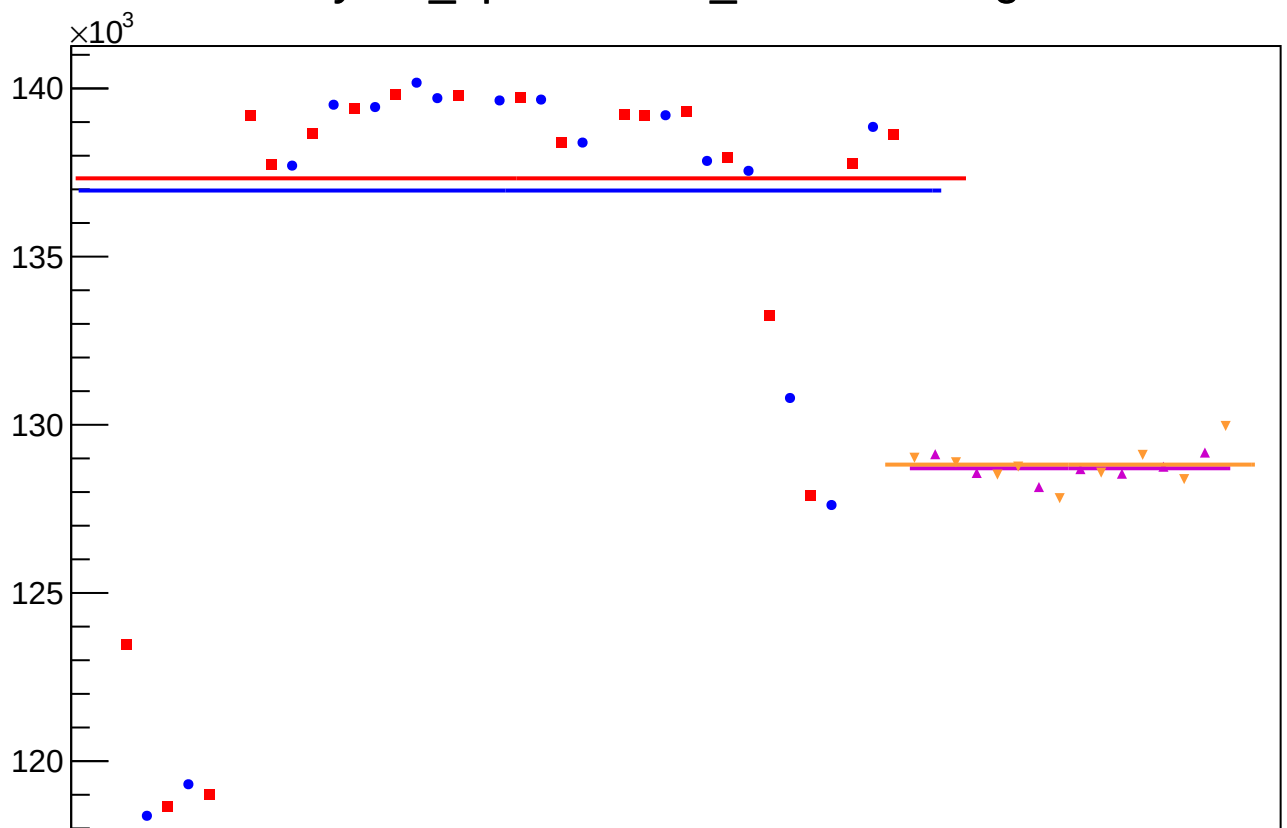
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 522.471+/-0.164 χ^2/NDF:411336.0/6

+ sign 456.389+/-0.093 χ^2/NDF: 1712915.2/24

All: 462.909+/-0.068 χ^2/NDF: 3204987.9/50

- sign 470.432+/-0.099 χ^2/NDF: 1481372.7/25



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128816.617+/-0.070 χ^2/NDF:62755983.9/8

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

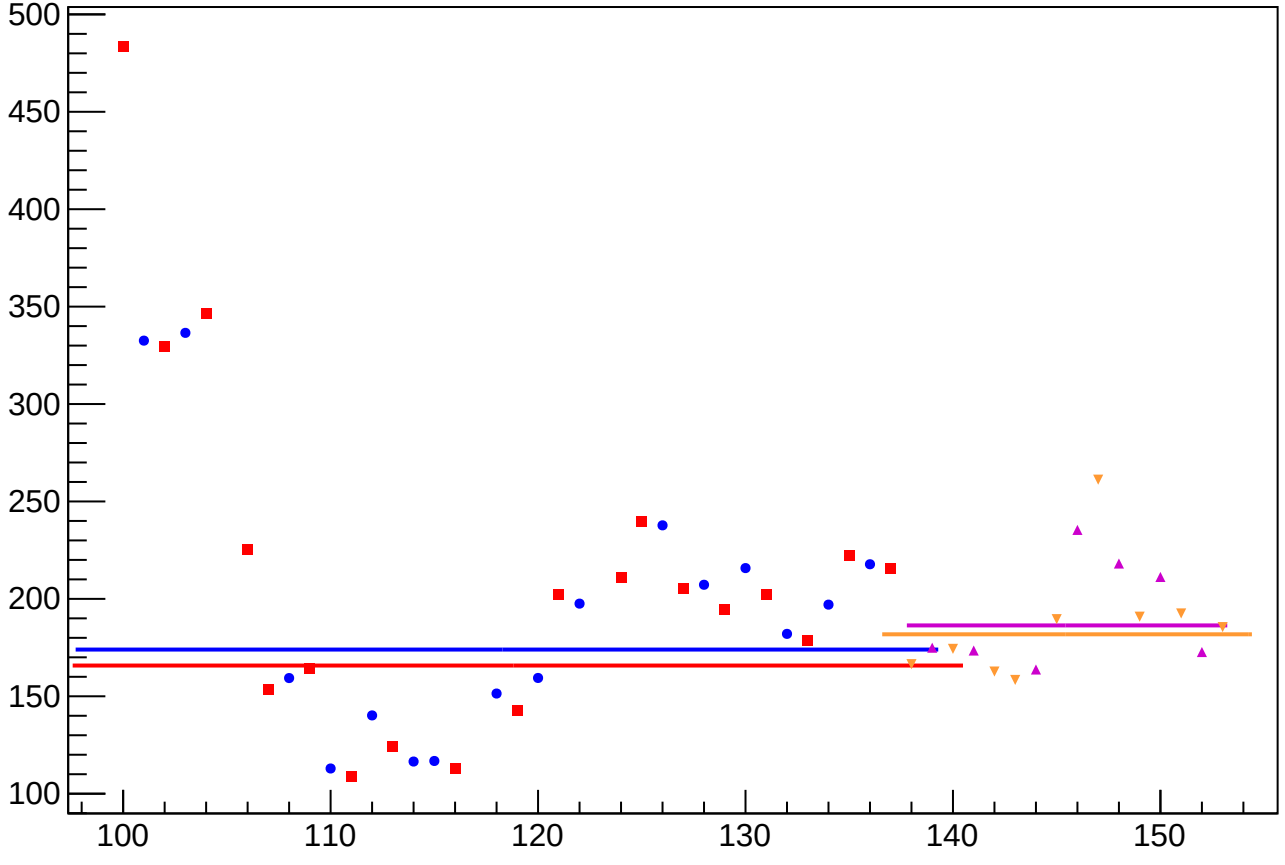
Left In: 128707.135+/-0.077 χ^2/NDF:22171590.0/6

+ sign 132909.170+/-0.049 χ^2/NDF: 12667857101.

All: 133293.165+/-0.035 χ^2/NDF: 25841399

- sign 133684.210+/-0.050 χ^2/NDF: 13051665828.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 181.812+/-0.050 χ^2/NDF:225461.7/8

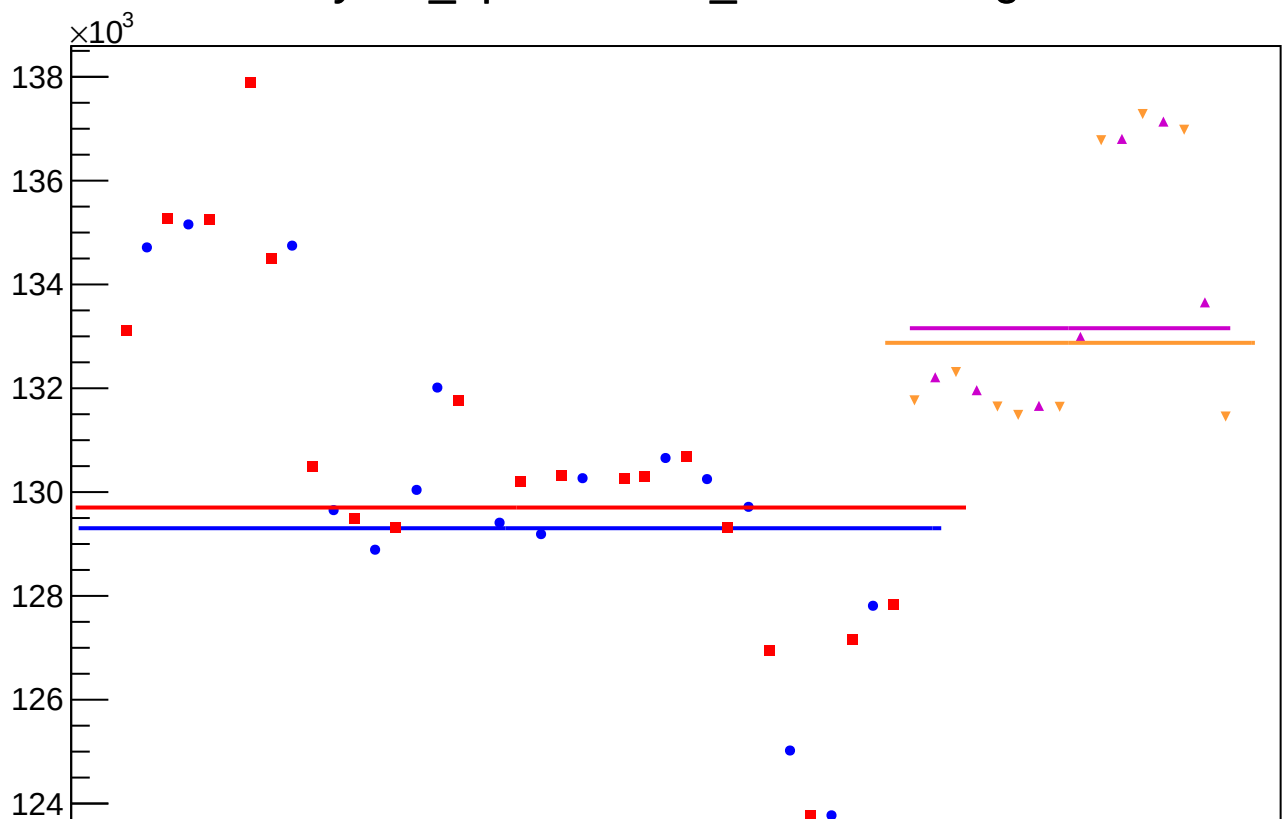
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 186.377+/-0.054 χ^2/NDF:196051.8/6

+ sign 177.879+/-0.035 χ^2/NDF: 1426509.7/24

All: 176.198+/-0.025 χ^2/NDF: 3143652.4/50

- sign 174.485+/-0.035 χ^2/NDF: 1712468.1/25



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132875.576+/-0.072 χ^2/NDF:951338705.3/8

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

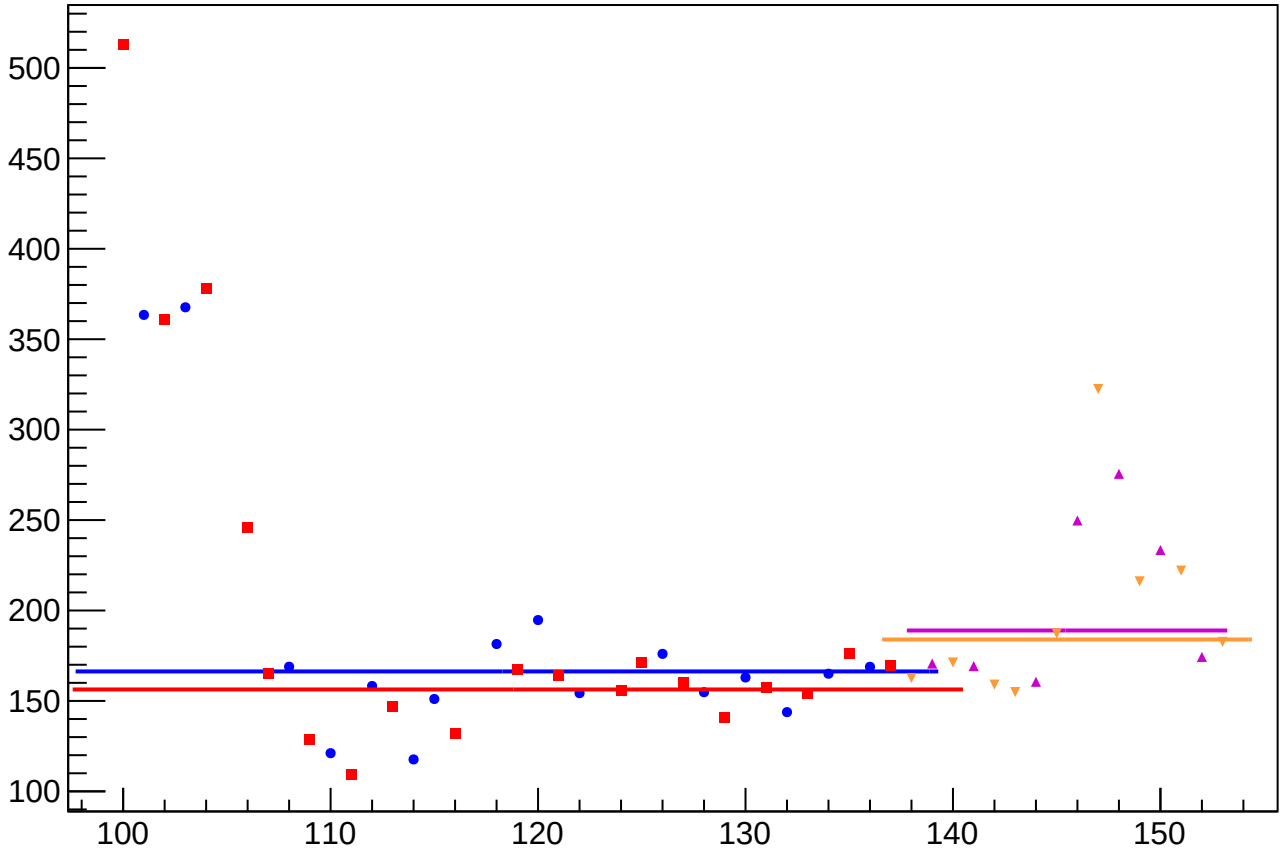
Left In: 133157.106+/-0.079 χ^2/NDF:550598729.1/6

+ sign 130943.811+/-0.049 χ^2/NDF: 3938064074.8

All: 130978.717+/-0.034 χ^2/NDF: 74629450

- sign 131013.330+/-0.048 χ^2/NDF: 3523857194.4/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 183.955+/-0.051 χ^2/NDF:496304.6/8

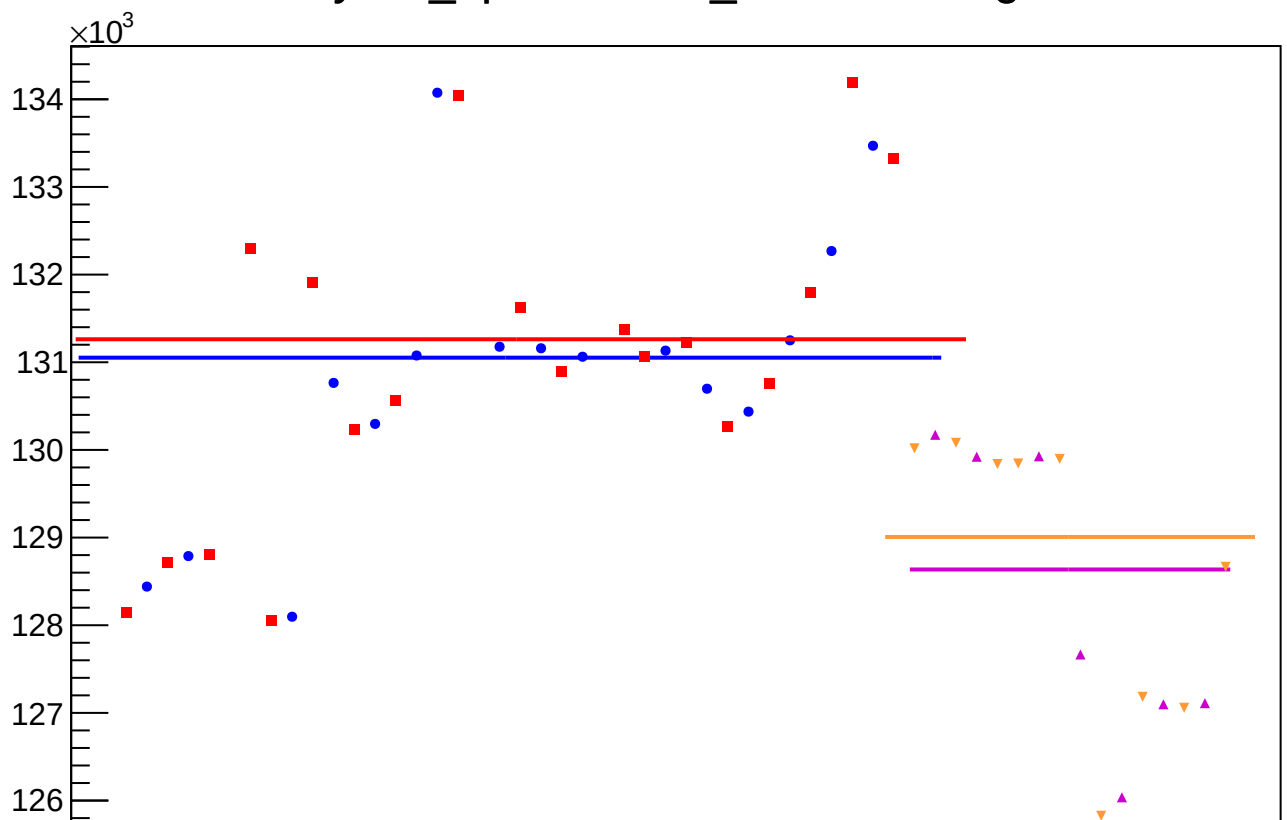
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 188.958+/-0.056 χ^2/NDF:436682.8/6

+ sign 174.407+/-0.034 χ^2/NDF: 1499544.7/24

All: 171.548+/-0.024 χ^2/NDF: 3336046.3/50

- sign 168.713+/-0.034 χ^2/NDF: 1822761.4/25



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129007.149+/-0.067 χ^2/NDF:401183141.0/8

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

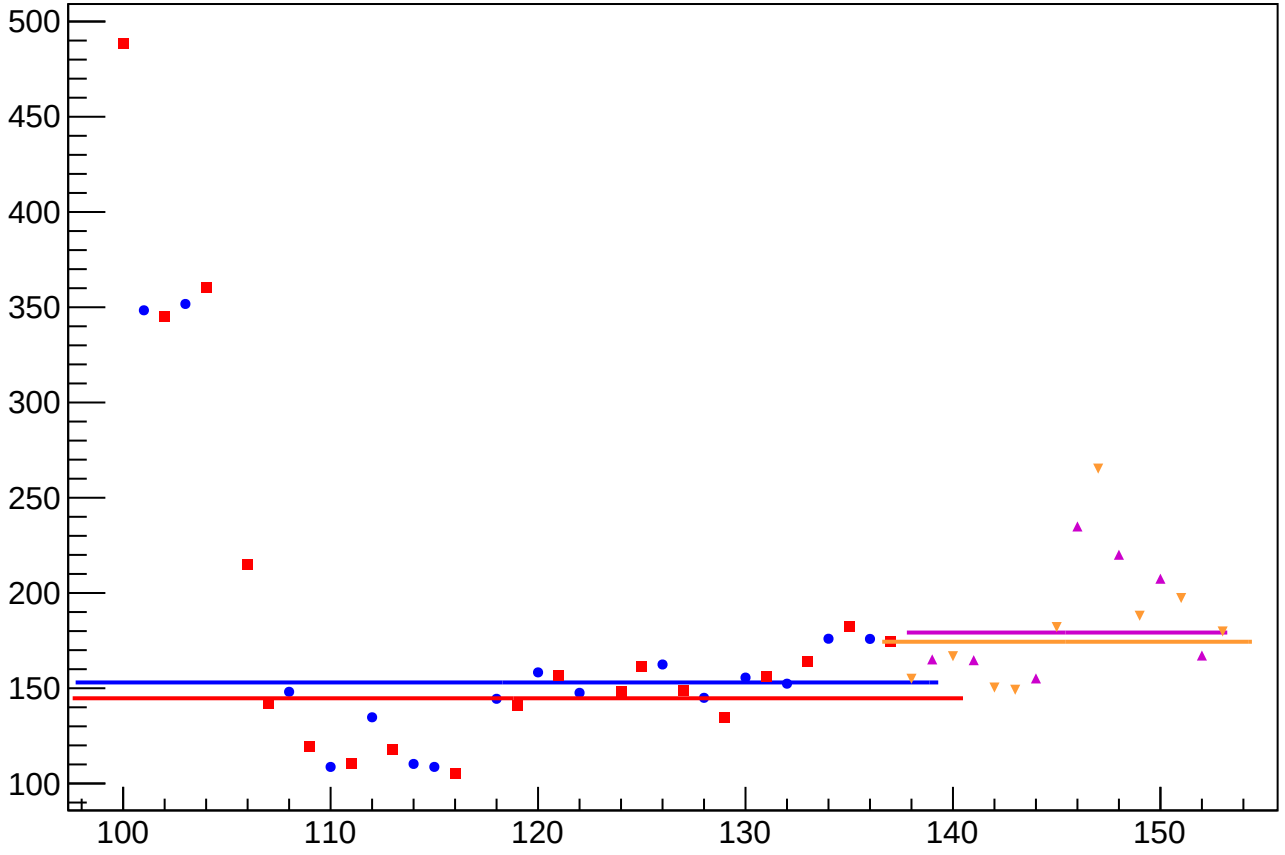
Left In: 128635.952+/-0.074 χ^2/NDF:432579536.8/6

+ sign 130137.759+/-0.045 χ^2/NDF: 1433627856.5

All: 130214.663+/-0.032 χ^2/NDF: 32705231

- sign 130291.224+/-0.045 χ^2/NDF: 1831089365.5/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 174.407+/-0.048 χ^2/NDF:321656.8/8

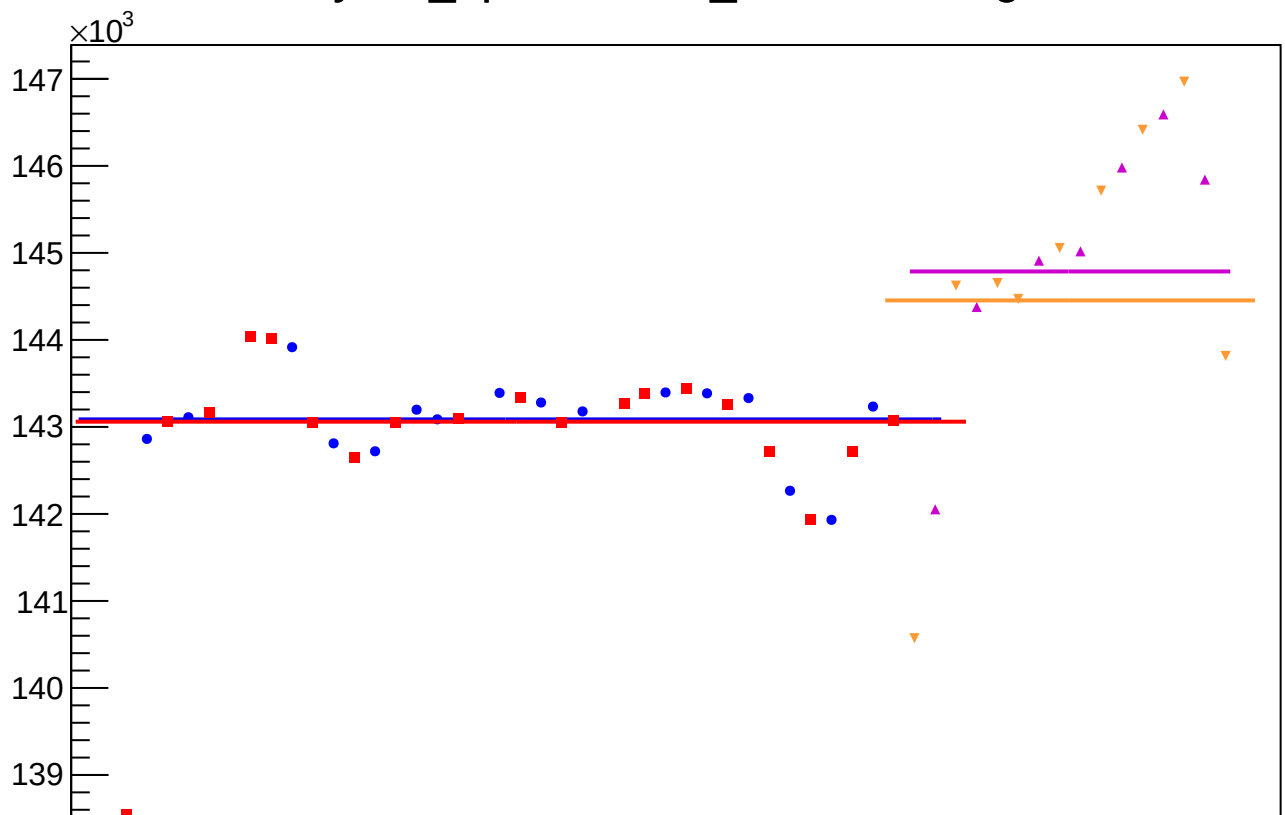
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 179.240+/-0.052 χ^2/NDF:263890.3/6

+ sign 162.597+/-0.032 χ^2/NDF: 1492147.1/24

All: 160.038+/-0.023 χ^2/NDF: 3306588.4/50

- sign 157.490+/-0.032 χ^2/NDF: 1801581.0/25



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144453.844+/-0.079 χ^2/NDF:548026232.2/8

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

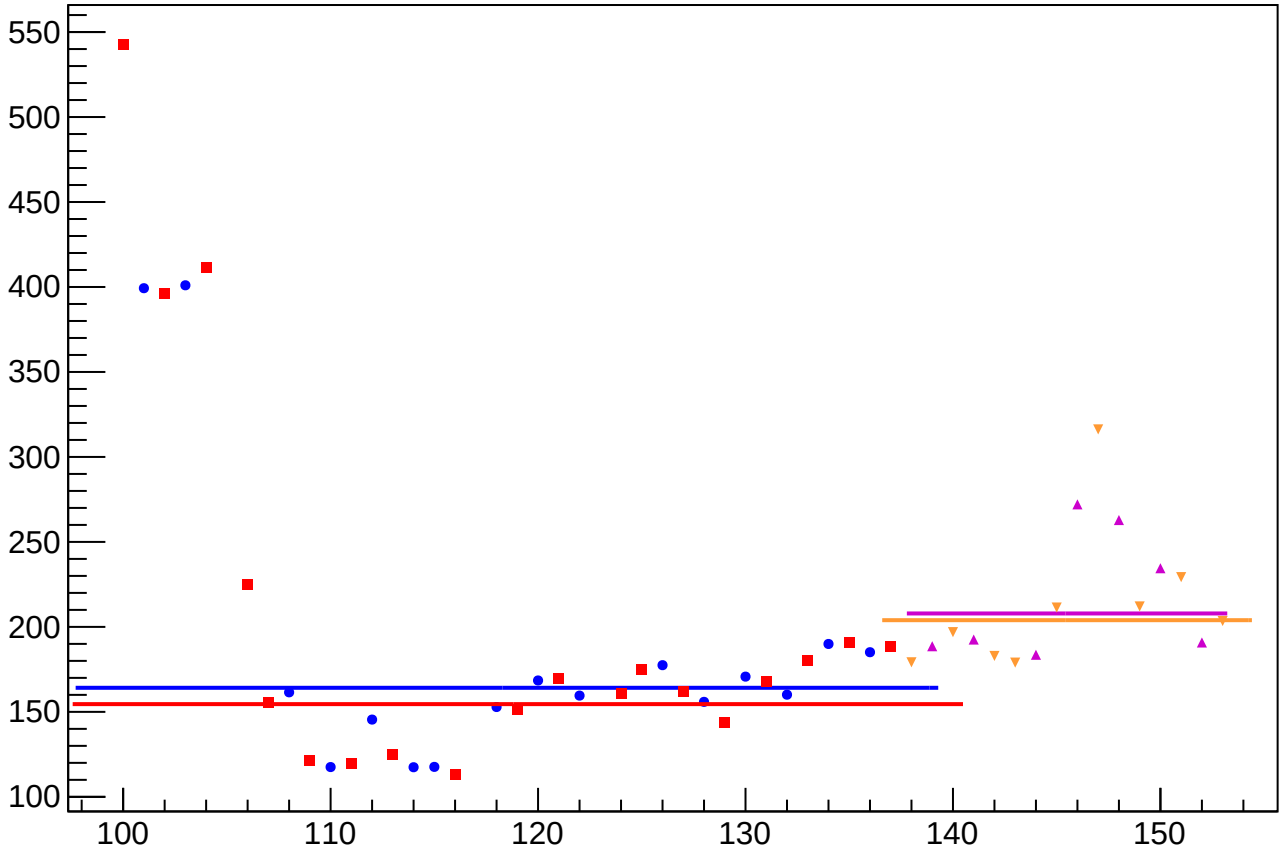
Left In: 144786.671+/-0.086 χ^2/NDF:274855316.6/6

+ sign 143638.776+/-0.050 χ^2/NDF: 773039729.0/2

All: 143636.331+/-0.035 χ^2/NDF: 13688162

- sign 143633.952+/-0.050 χ^2/NDF: 595771861.5/2

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 203.945+/-0.056 χ^2/NDF:303354.1/8

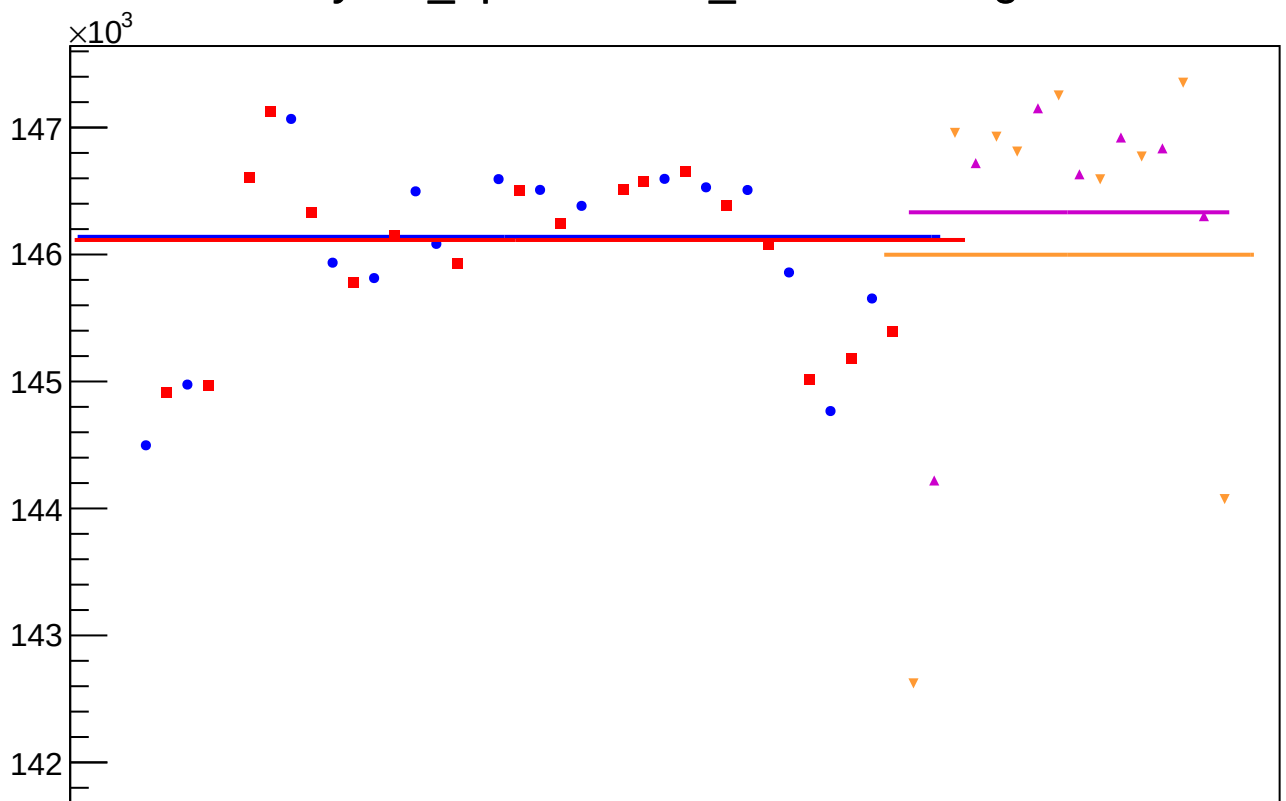
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 207.903+/-0.061 χ^2/NDF:263443.9/6

+ sign 180.234+/-0.036 χ^2/NDF: 1734893.5/24

All: 176.205+/-0.025 χ^2/NDF: 3904594.2/50

- sign 172.284+/-0.035 χ^2/NDF: 2144329.5/25



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145998.292+/-0.078 χ^2/NDF:459101186.9/8

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

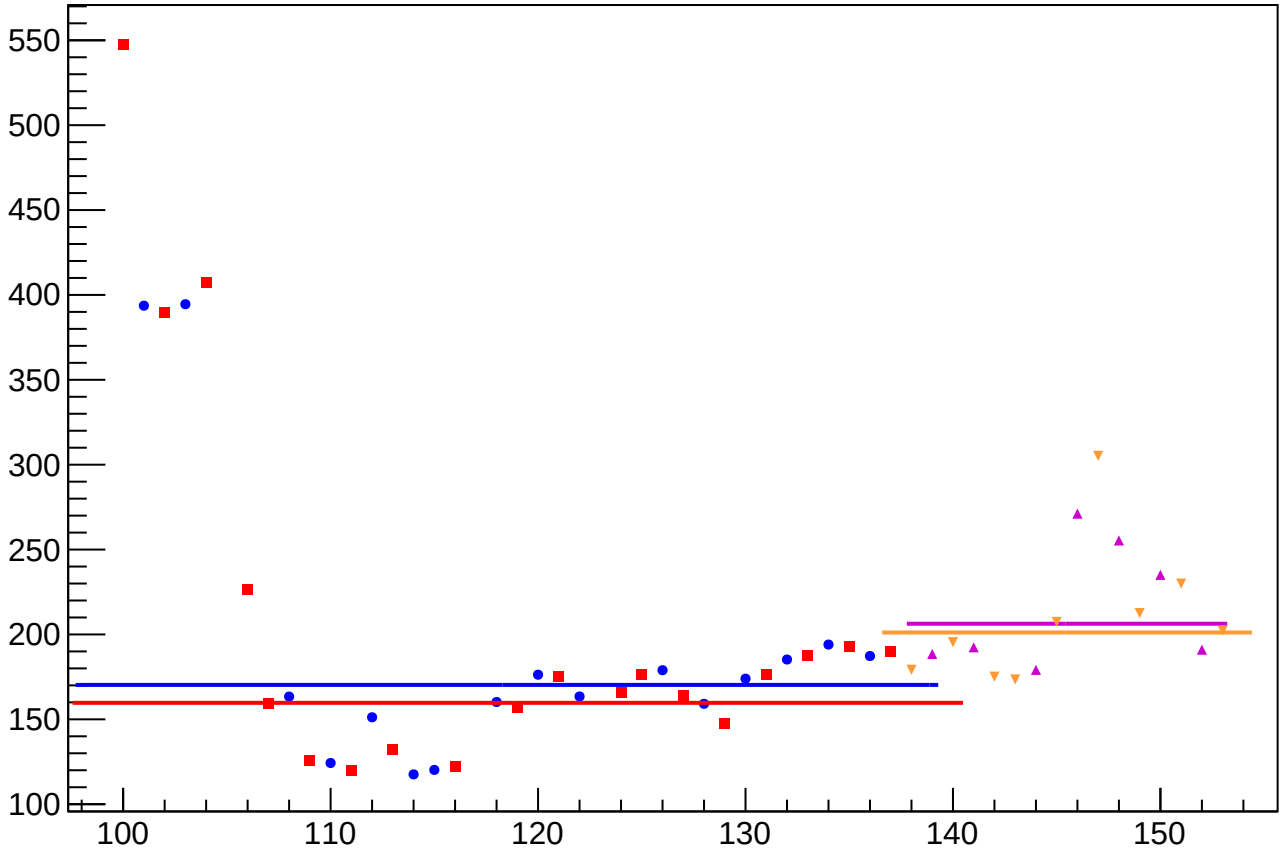
Left In: 146332.400+/-0.085 χ^2/NDF:136154042.9/6

+ sign 146078.901+/-0.051 χ^2/NDF: 532695500.6/2

All: 146135.302+/-0.036 χ^2/NDF: 74861970

- sign 146190.494+/-0.050 χ^2/NDF: 213501111.6/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 201.149+/-0.055 χ^2/NDF:305241.7/8

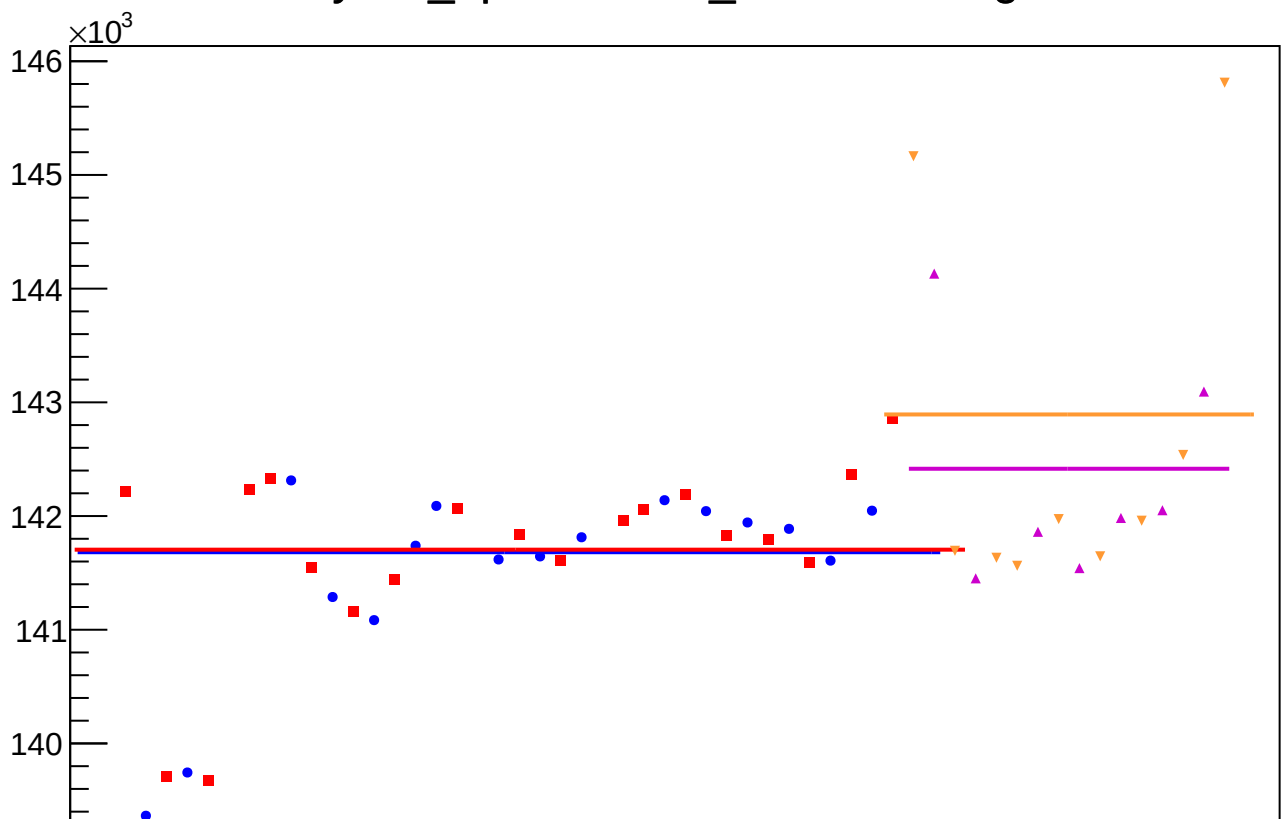
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 206.317+/-0.060 χ^2/NDF:260535.2/6

+ sign 183.493+/-0.036 χ^2/NDF: 1542516.5/24

All: 179.696+/-0.025 χ^2/NDF: 3504348.5/50

- sign 175.979+/-0.036 χ^2/NDF: 1939859.1/25



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142893.470+/-0.083 χ^2/NDF:385944219.3/8

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

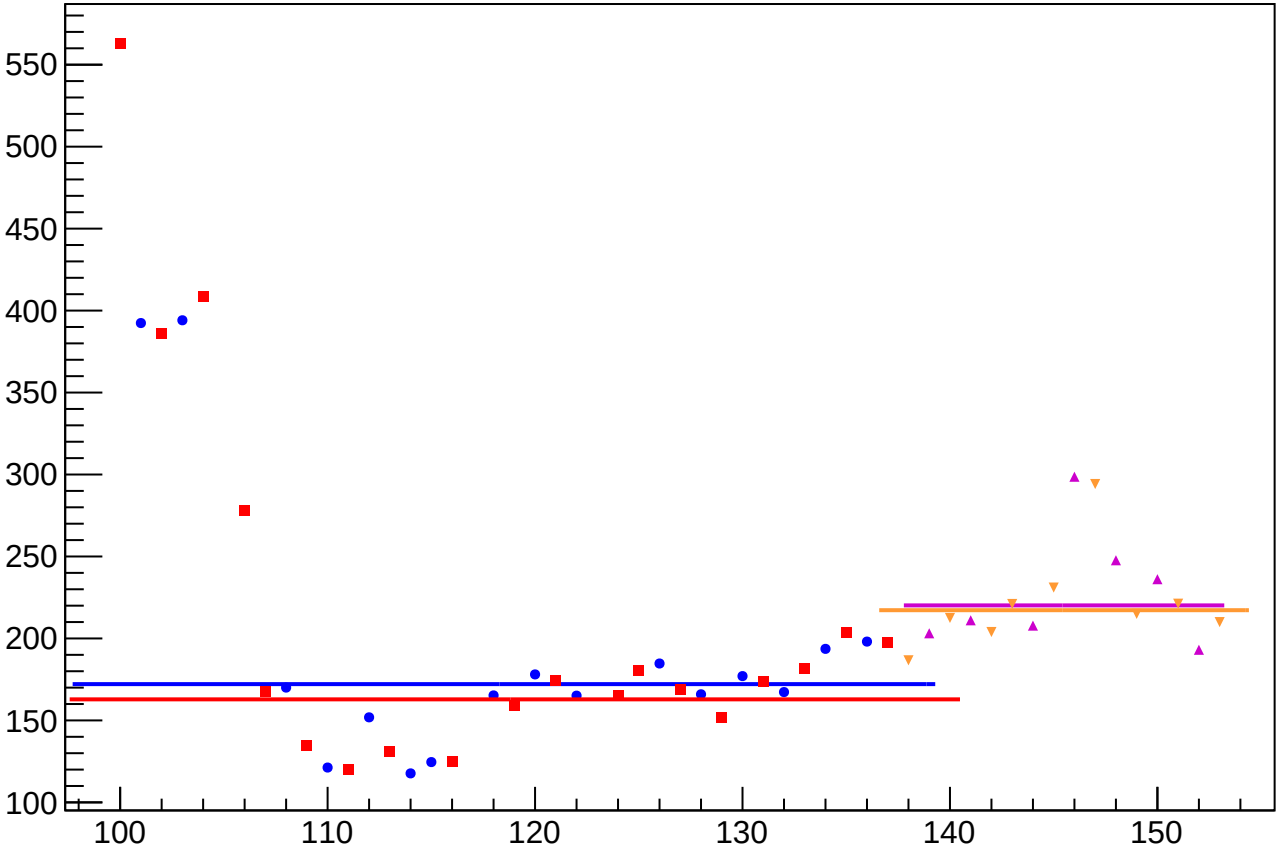
Left In: 142415.842+/-0.091 χ^2/NDF:106209713.7/6

+ sign 142167.527+/-0.053 χ^2/NDF: 576495855.2/2

All: 142051.980+/-0.037 χ^2/NDF: 79877697

- sign 141939.198+/-0.052 χ^2/NDF: 212833437.2/2

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 217.234+/-0.059 χ^2/NDF:166376.8/8

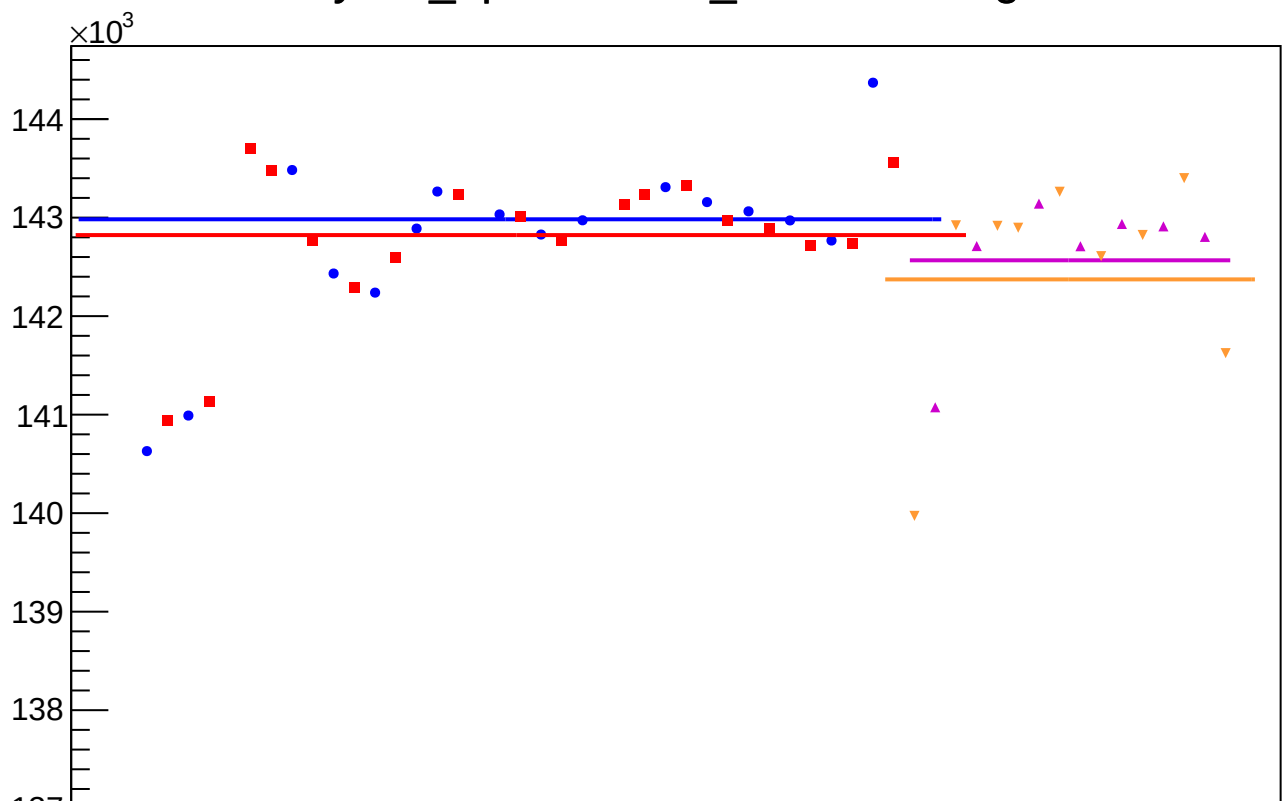
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 220.164+/-0.064 χ^2/NDF:201993.2/6

+ sign 190.215+/-0.037 χ^2/NDF: 1584762.1/24

All: 185.943+/-0.026 χ^2/NDF: 3651657.0/50

- sign 181.774+/-0.037 χ^2/NDF: 2041066.0/25



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142372.979+/-0.076 χ^2/NDF:212963215.5/8

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

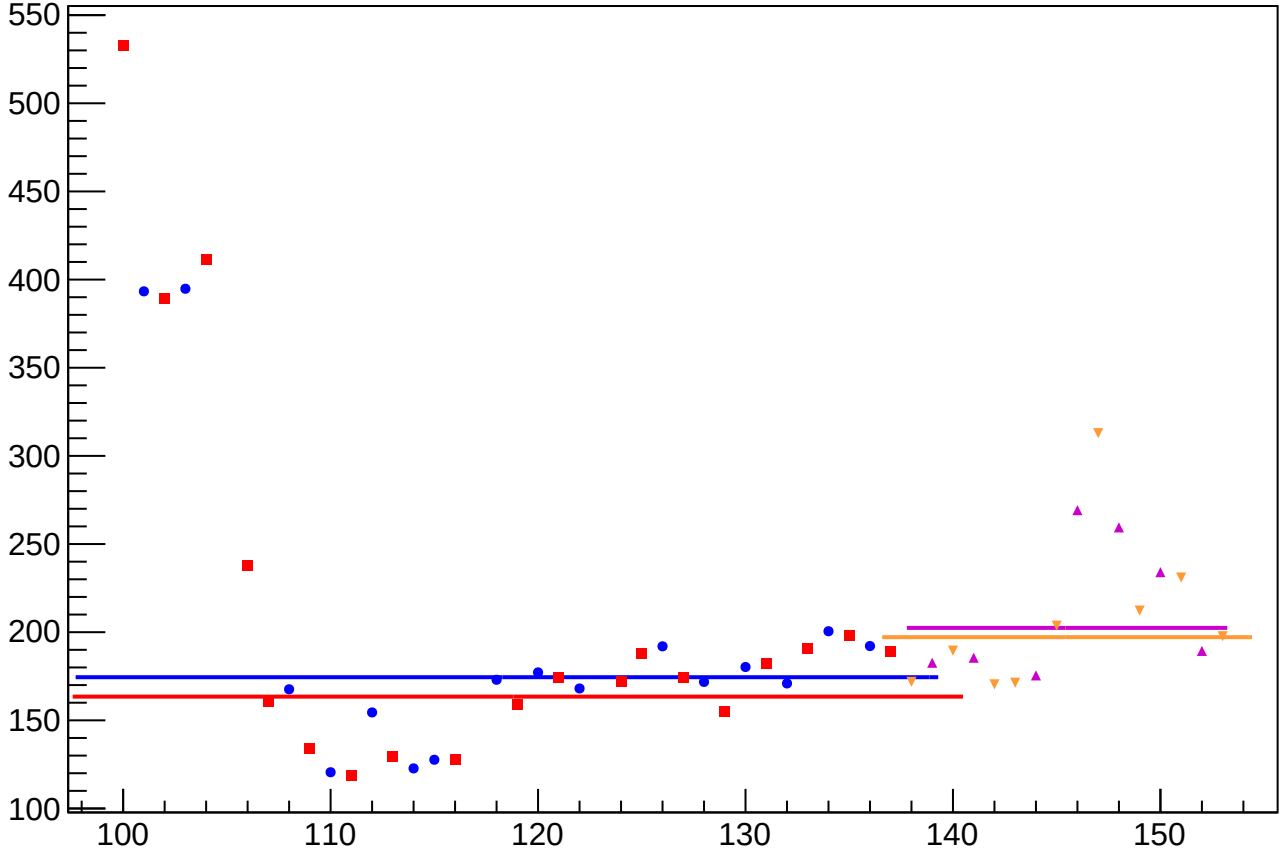
Left In: 142566.718+/-0.084 χ^2/NDF:70879138.6/6

+ sign 142708.555+/-0.051 χ^2/NDF: 355712487.6/2

All: 142718.522+/-0.036 χ^2/NDF: 49614137

- sign 142728.340+/-0.051 χ^2/NDF: 140353838.0/25

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 197.181+/-0.054 χ^2/NDF:361602.4/8

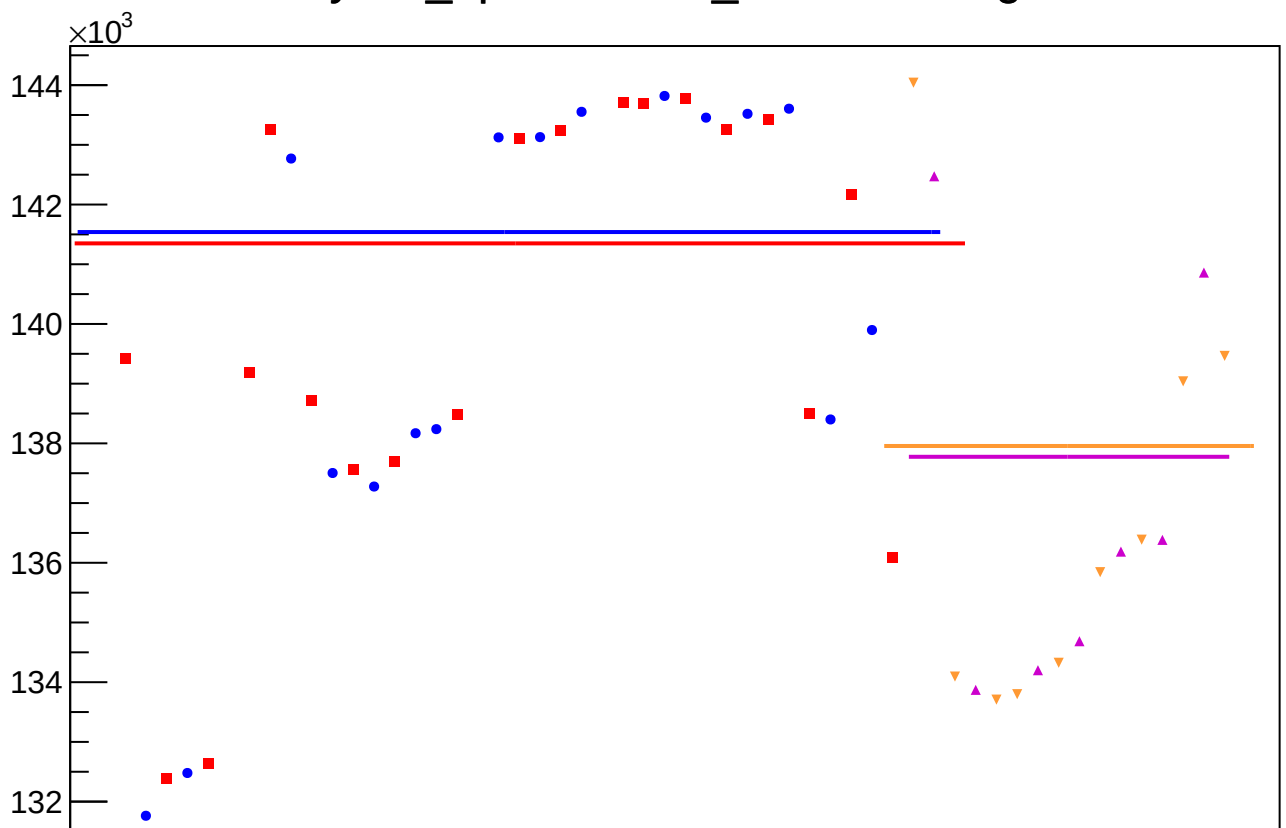
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 202.441+/-0.059 χ^2/NDF:301118.6/6

+ sign 184.686+/-0.036 χ^2/NDF: 1507921.7/24

All: 181.230+/-0.026 χ^2/NDF: 3383029.8/50

- sign 177.824+/-0.036 χ^2/NDF: 1857056.1/25



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 137956.118+/-0.121 χ^2/NDF:1096896259.0/8

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

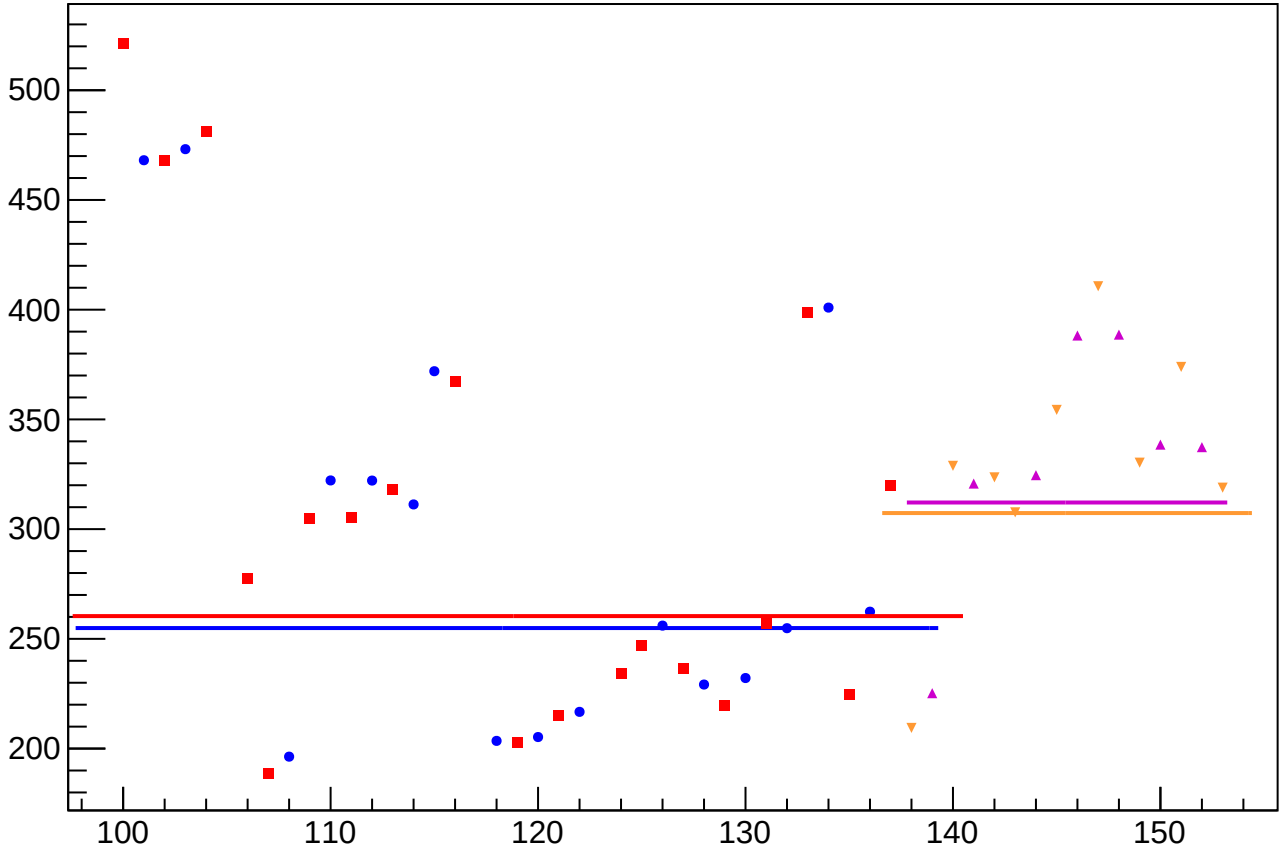
Left In: 137775.242+/-0.131 χ^2/NDF:731737247.8/6

+ sign 140064.935+/-0.077 χ^2/NDF: 2564553105.3

All: 140042.057+/-0.056 χ^2/NDF: 46893198

- sign 140017.549+/-0.080 χ^2/NDF: 2124585477.5/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 307.325+/-0.085 χ^2/NDF:529385.0/8

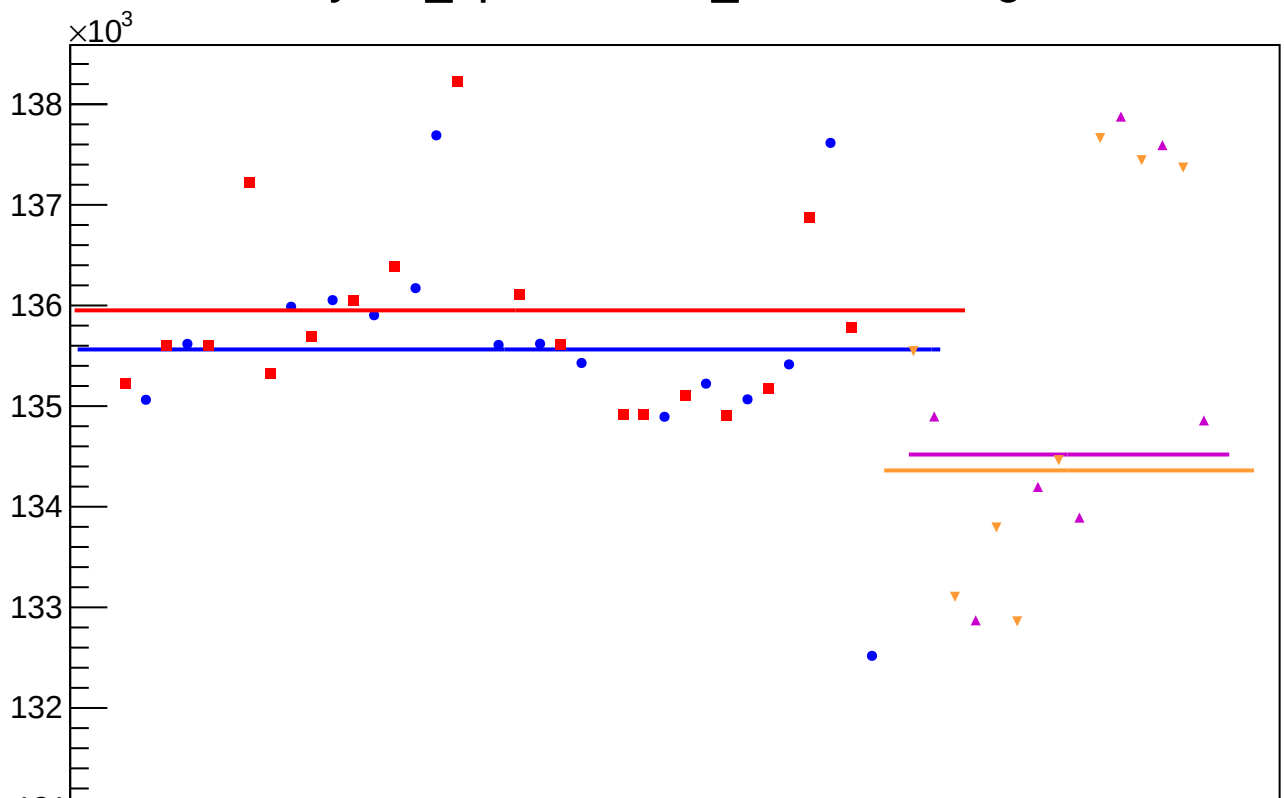
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 312.131+/-0.093 χ^2/NDF:390841.0/6

+ sign 276.484+/-0.055 χ^2/NDF: 1701743.3/24

All: 278.016+/-0.039 χ^2/NDF: 3283059.7/50

- sign 279.658+/-0.057 χ^2/NDF: 1579689.9/25



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134360.830+/-0.091 χ^2/NDF:395829970.9/8

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

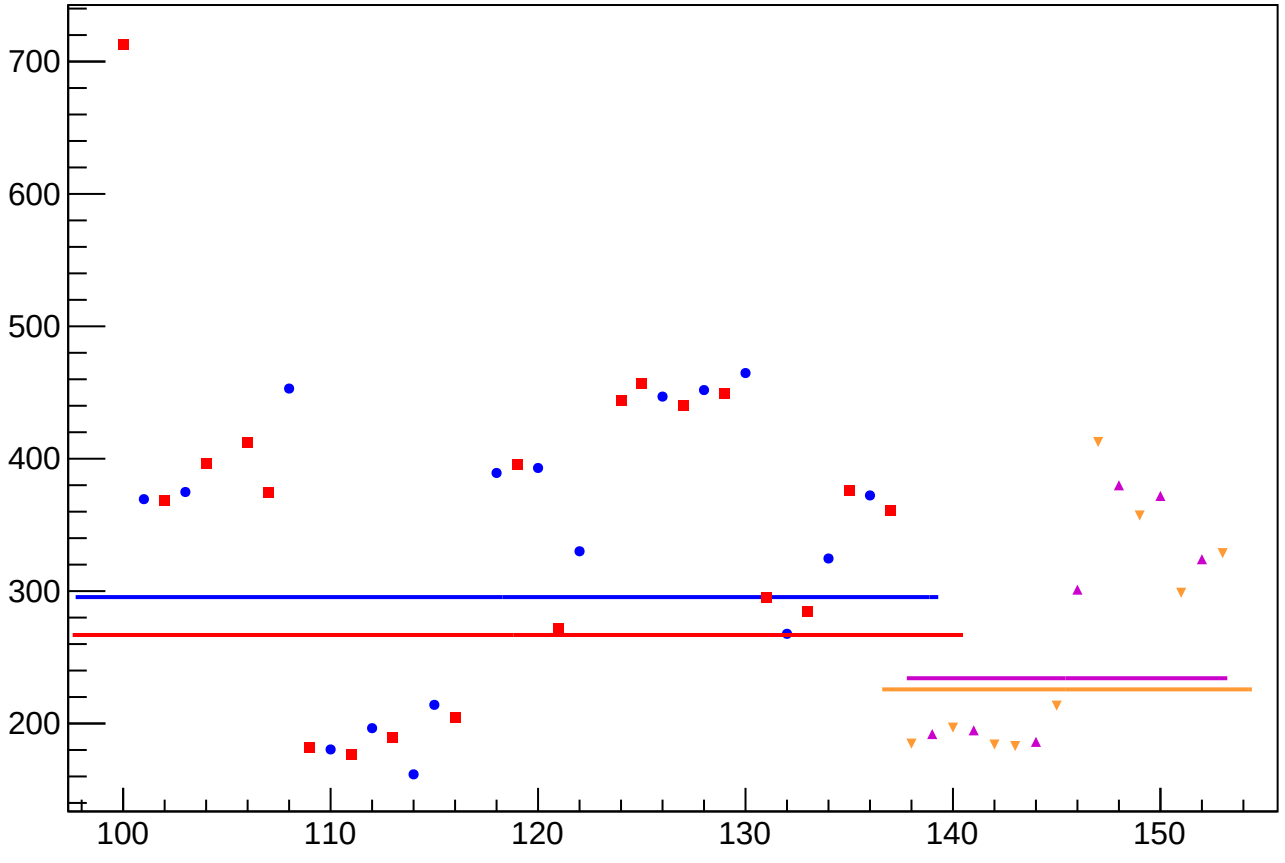
Left In: 134518.943+/-0.100 χ^2/NDF:196181703.0/6

+ sign 134804.570+/-0.072 χ^2/NDF: 555098221.3/2

All: 134996.141+/-0.051 χ^2/NDF: 95326147

- sign 135193.490+/-0.073 χ^2/NDF: 383758247.5/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 225.773+/-0.064 χ^2/NDF:1056831.0/8

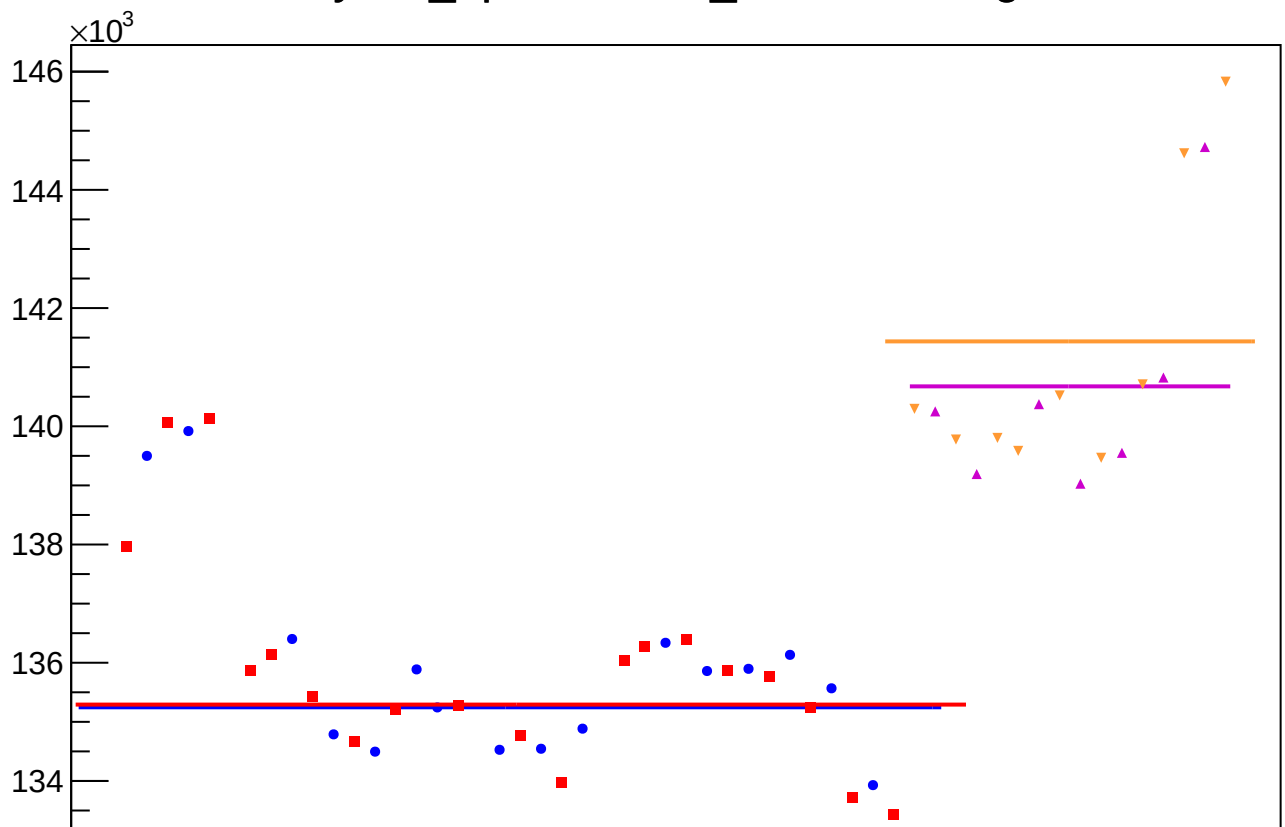
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 234.189+/-0.071 χ^2/NDF:963723.4/6

+ sign 251.502+/-0.051 χ^2/NDF: 2937089.3/24

All: 250.553+/-0.036 χ^2/NDF: 5679479.8/50

- sign 249.575+/-0.052 χ^2/NDF: 2741683.0/25



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 141436.319+/-0.073 χ^2/NDF:1066963788.5/8

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

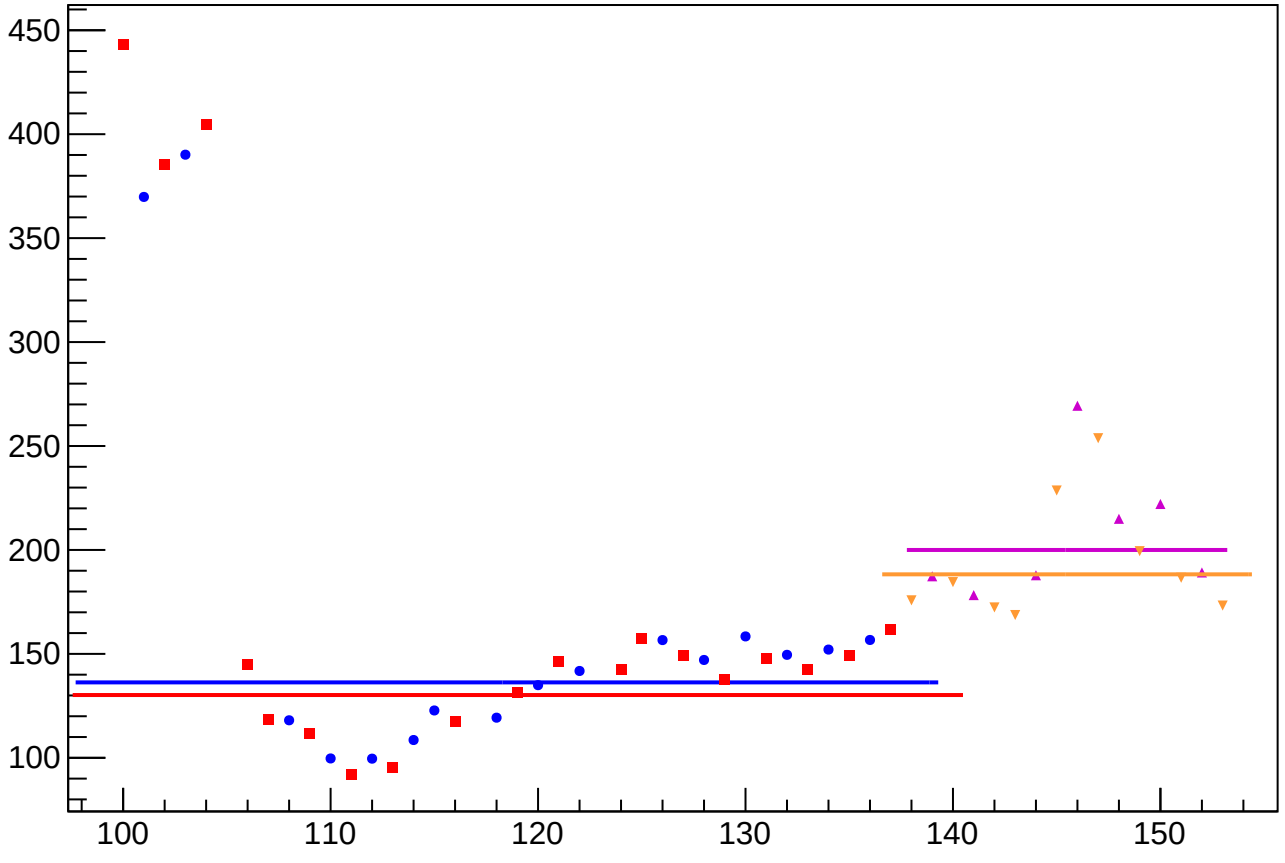
Left In: 140675.471+/-0.083 χ^2/NDF:502570083.4/6

+ sign 137481.126+/-0.044 χ^2/NDF: 6075147426.1

All: 137144.648+/-0.031 χ^2/NDF: 10122381

- sign 136806.163+/-0.044 χ^2/NDF: 3928536255.5/

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 188.266+/-0.051 χ^2/NDF:206878.7/8

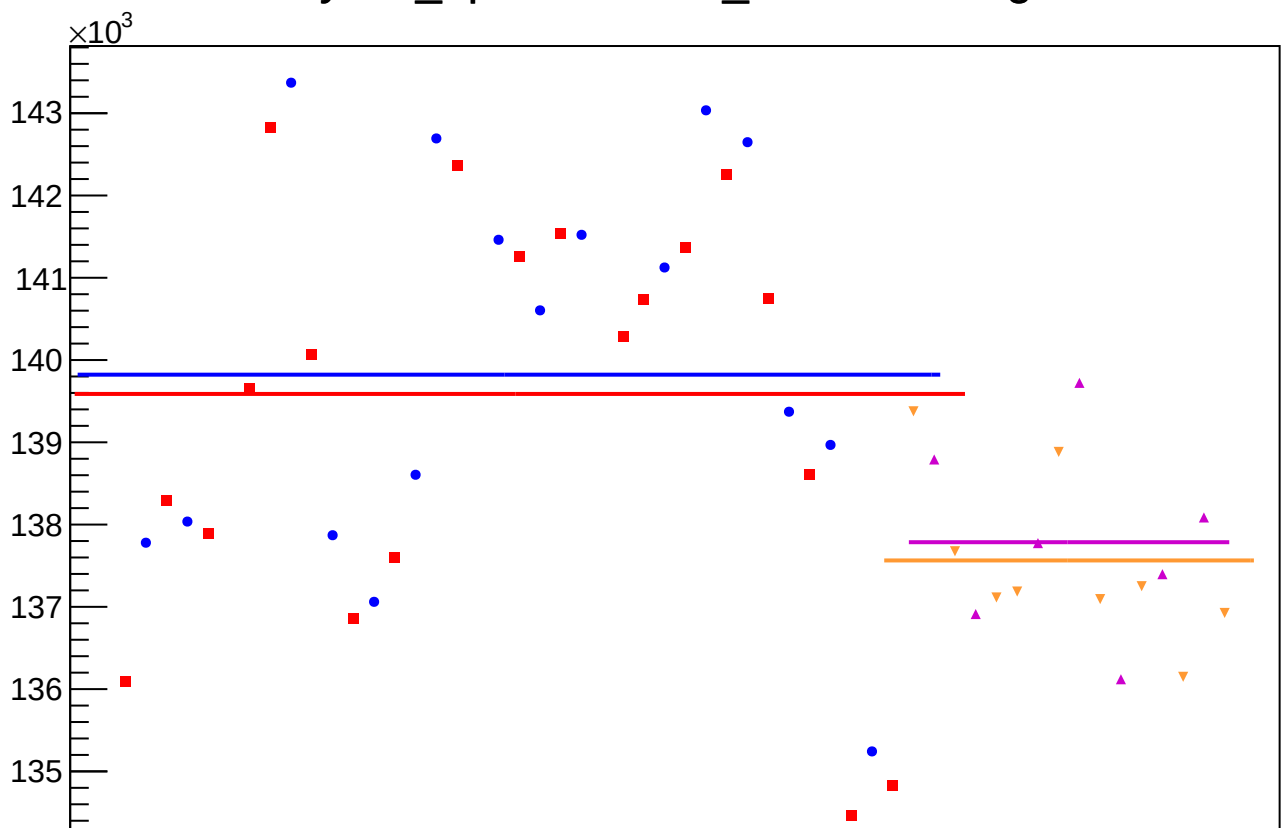
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 199.988+/-0.058 χ^2/NDF:182767.5/6

+ sign 155.052+/-0.031 χ^2/NDF: 2242496.7/24

All: 152.451+/-0.022 χ^2/NDF: 4983214.3/50

- sign 149.834+/-0.031 χ^2/NDF: 2726529.9/25



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137564.010+/-0.074 χ^2/NDF:175291420.8/8

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

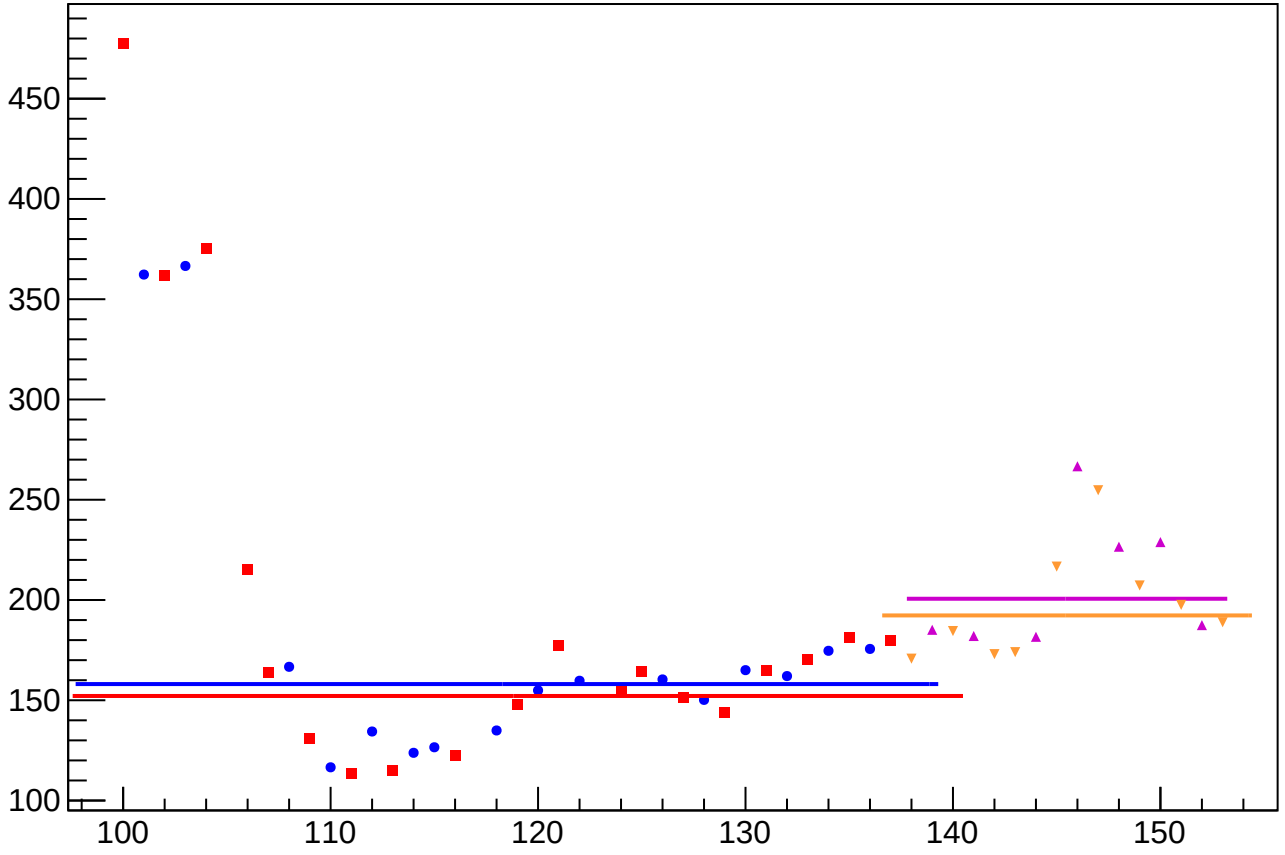
Left In: 137785.697+/-0.083 χ^2/NDF:137655907.8/6

+ sign 138886.467+/-0.048 χ^2/NDF: 2377968919.4

All: 138930.047+/-0.034 χ^2/NDF: 43099881

- sign 138974.752+/-0.049 χ^2/NDF: 1930342292.3/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 192.309+/-0.053 χ^2/NDF:181230.9/8

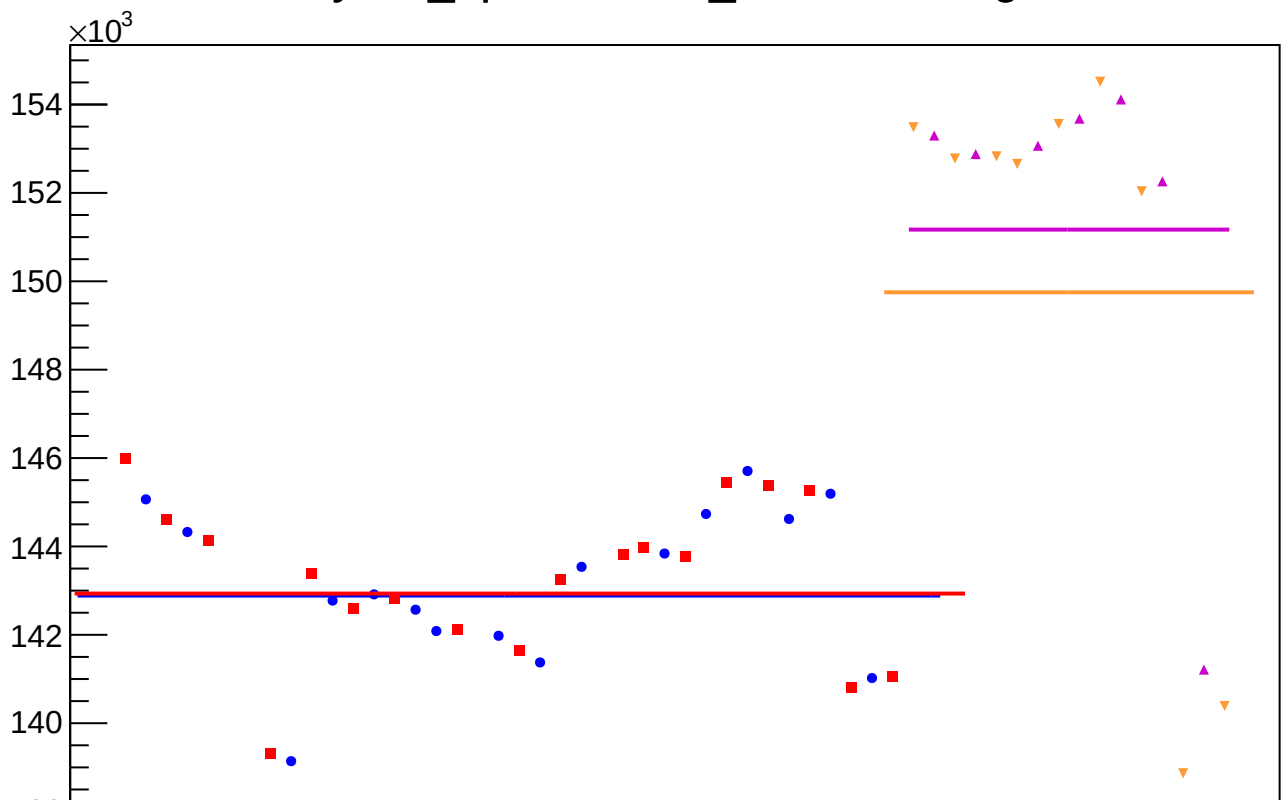
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 200.626+/-0.059 χ^2/NDF:210411.5/6

+ sign 172.262+/-0.034 χ^2/NDF: 1446995.2/24

All: 170.472+/-0.024 χ^2/NDF: 3340561.5/50

- sign 168.635+/-0.034 χ^2/NDF: 1887904.5/25



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 149751.461+/-0.075 χ^2/NDF:6000990414.8/8

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

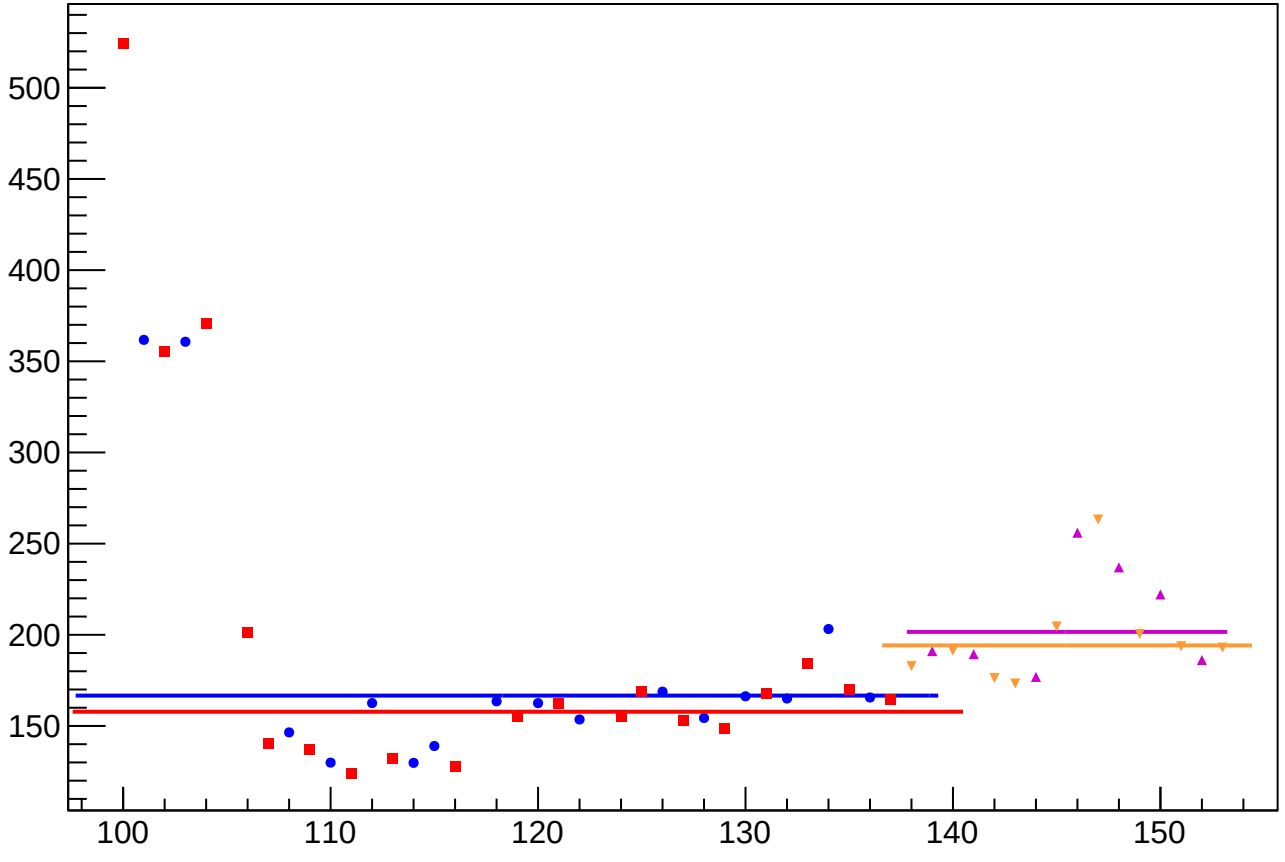
Left In: 151170.077+/-0.083 χ^2/NDF:2878942299.5/6

+ sign 145874.917+/-0.049 χ^2/NDF: 11512699223.

All: 145861.793+/-0.035 χ^2/NDF: 21518672

- sign 145848.619+/-0.049 χ^2/NDF: 10005831431.1

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 194.182+/-0.053 χ^2/NDF:155721.8/8

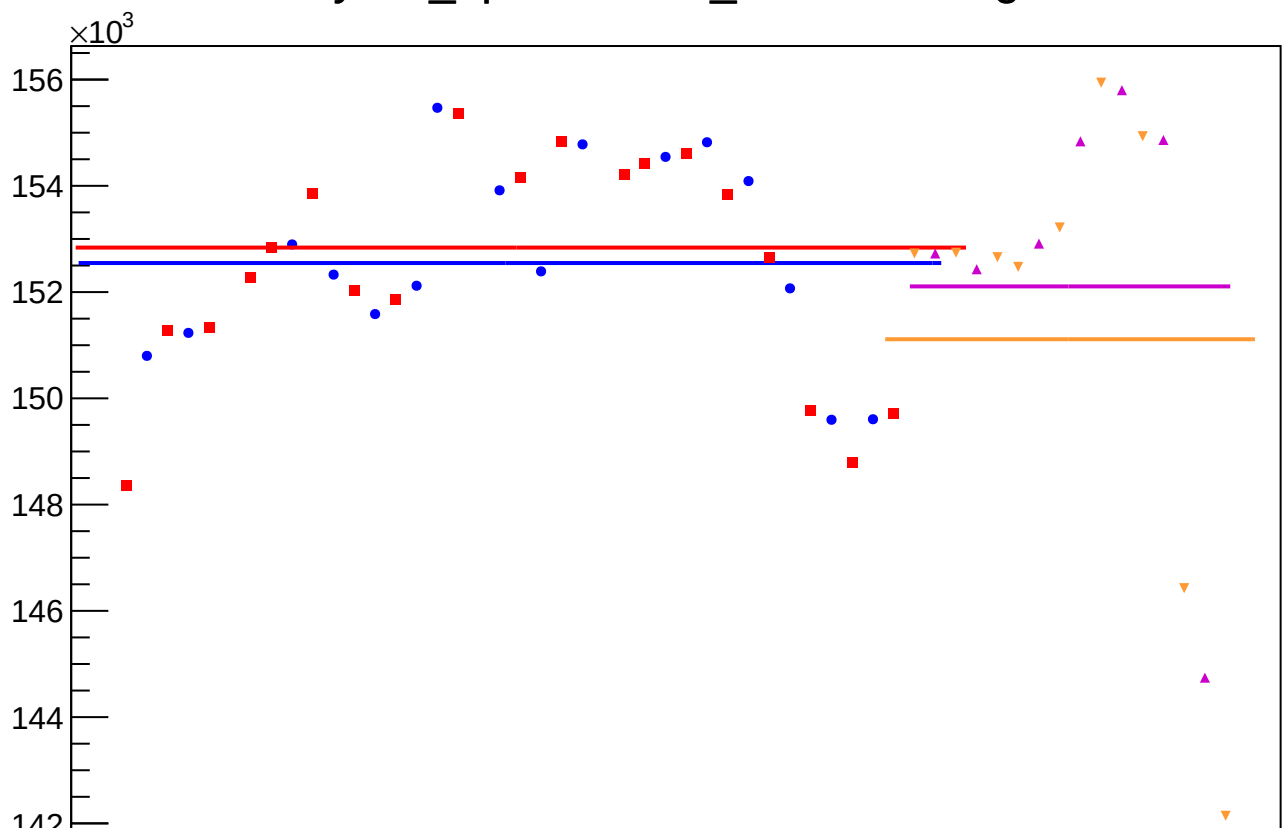
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 201.606+/-0.059 χ^2/NDF:187796.9/6

+ sign 178.632+/-0.035 χ^2/NDF: 1172105.0/24

All: 175.975+/-0.025 χ^2/NDF: 2752364.1/50

- sign 173.308+/-0.035 χ^2/NDF: 1568652.2/25



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 151112.450+/-0.075 χ^2/NDF:3013897691.2/8

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

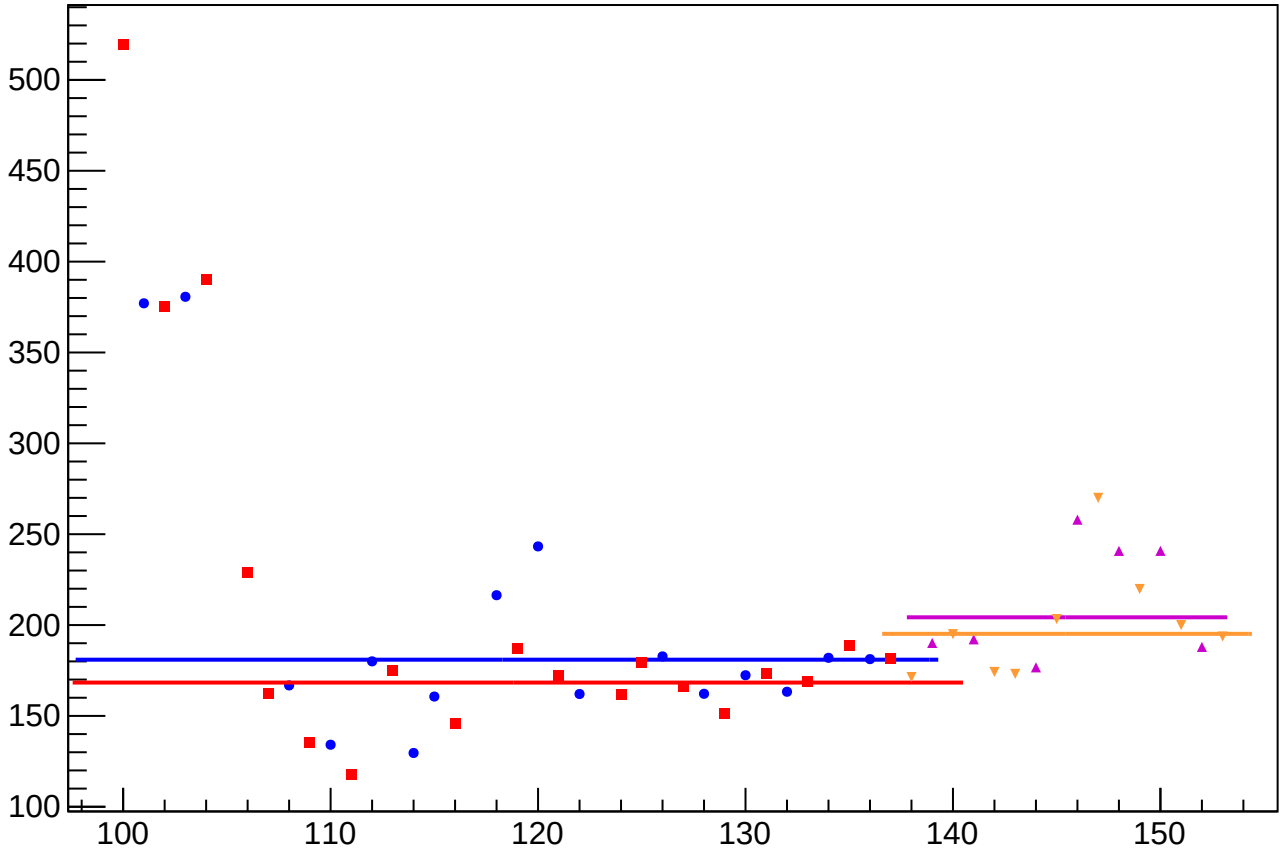
Left In: 152107.141+/-0.084 χ^2/NDF:1717968798.6/6

+ sign 151854.042+/-0.052 χ^2/NDF: 3856921511.4

All: 152204.842+/-0.037 χ^2/NDF: 64484721

- sign 152556.348+/-0.052 χ^2/NDF: 2501175515.7/

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.165+/-0.053 χ^2/NDF:217255.8/8

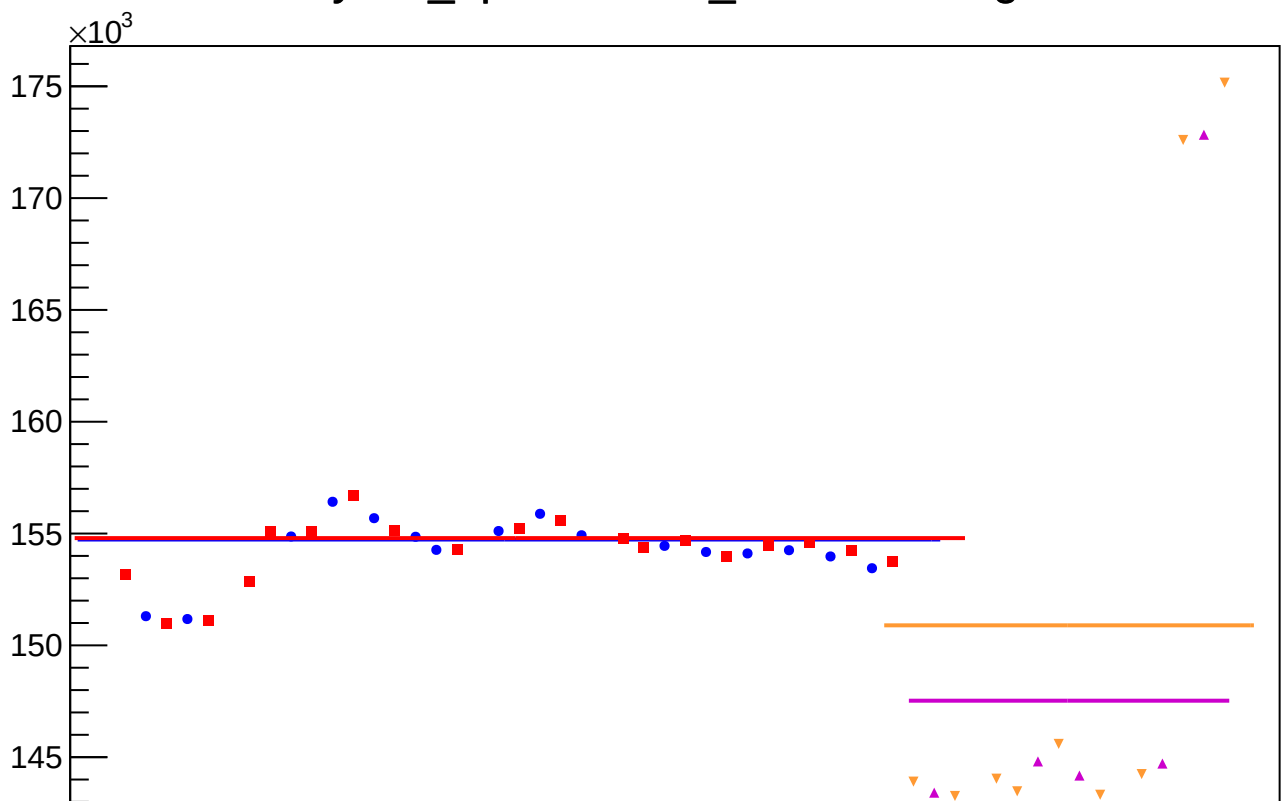
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 204.264+/-0.060 χ^2/NDF:225774.3/6

+ sign 187.810+/-0.037 χ^2/NDF: 1162094.0/24

All: 185.001+/-0.026 χ^2/NDF: 2712230.6/50

- sign 182.186+/-0.037 χ^2/NDF: 1538547.2/25



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 150895.487+/-0.068 χ^2/NDF:34597510715.9/8

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

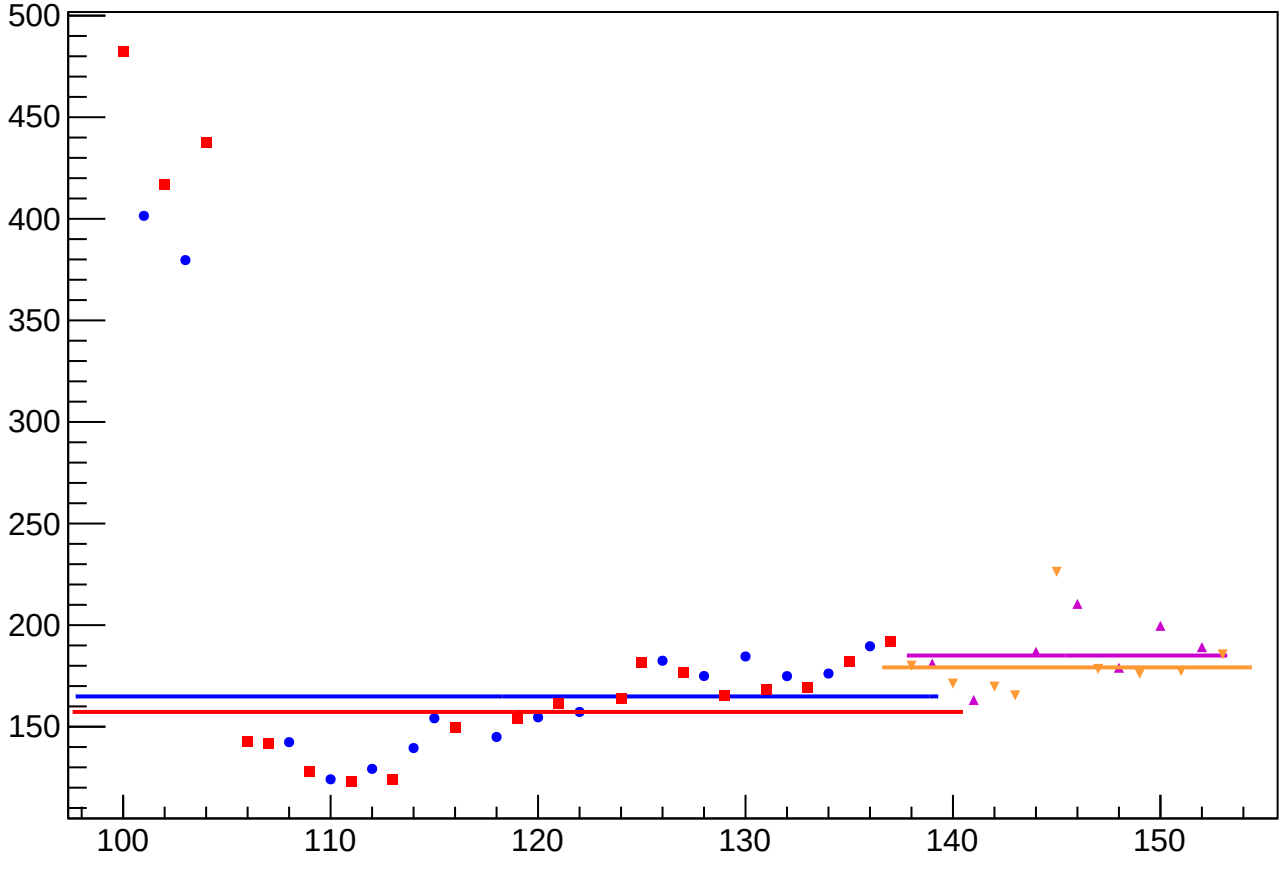
Left In: 147525.707+/-0.075 χ^2/NDF:17733481984.3/6

+ sign 152907.354+/-0.047 χ^2/NDF: 36520475989.

All: 152416.690+/-0.033 χ^2/NDF: 60381794

- sign 151920.346+/-0.047 χ^2/NDF: 23643977331.7

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 179.201+/-0.048 χ^2/NDF:89628.6/8

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

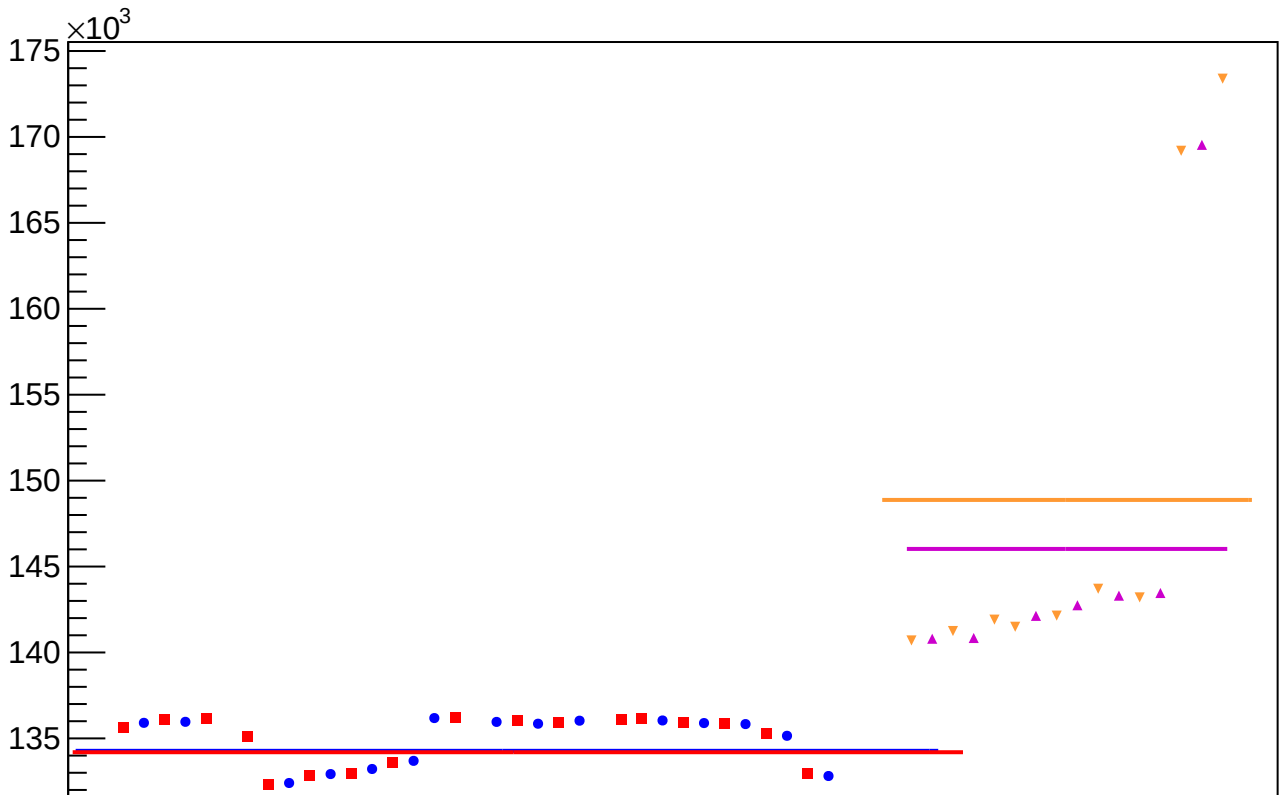
Left In: 185.041+/-0.053 χ^2/NDF:70046.5/6

+ sign 171.707+/-0.033 χ^2/NDF: 1208103.9/24

All: 169.994+/-0.024 χ^2/NDF: 2701727.9/50

- sign 168.262+/-0.034 χ^2/NDF: 1488327.1/25

yield_bpm1i04WS_mean vs Slug



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 148876.813+/-0.067 χ^2/NDF:33935033950.5/8

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

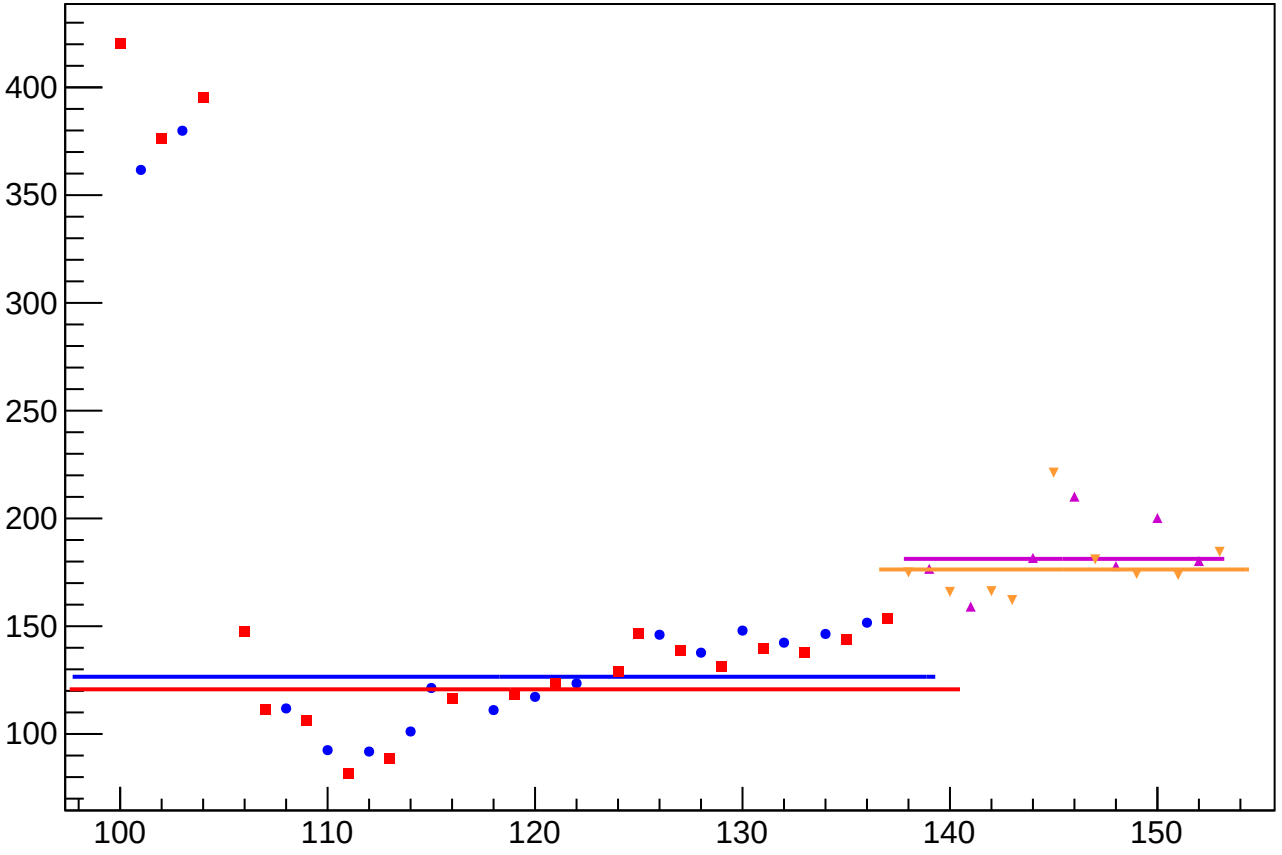
Left In: 146025.389+/-0.074 χ^2/NDF:17081370348.6/6

+ sign 139567.622+/-0.041 χ^2/NDF: 64986406706.8

All: 138621.069+/-0.029 χ^2/NDF: 10231119

- sign 137688.992+/-0.040 χ^2/NDF: 36245129000.5

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 176.319+/-0.048 χ^2/NDF:93019.2/8

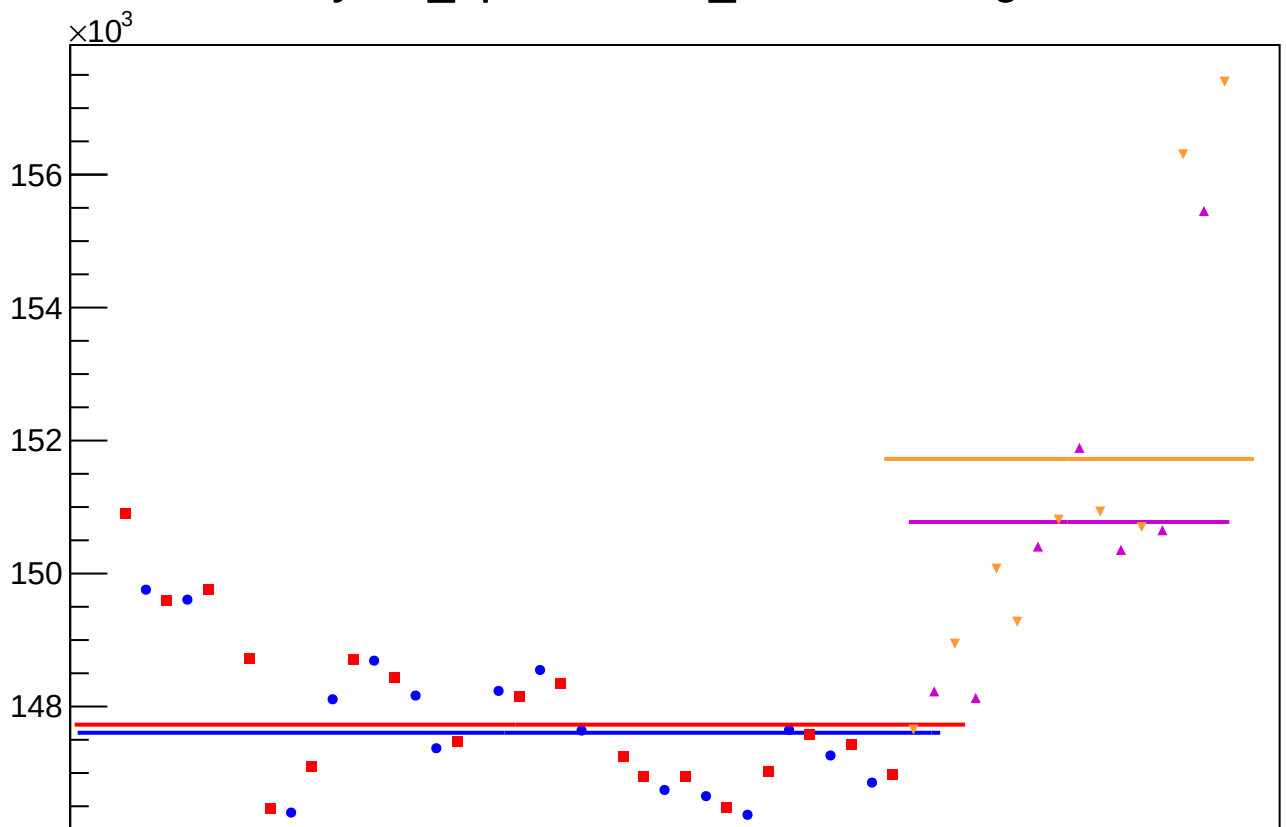
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 181.244+/-0.052 χ^2/NDF:84367.1/6

+ sign 144.588+/-0.029 χ^2/NDF: 2265444.6/24

All: 141.569+/-0.020 χ^2/NDF: 4944479.1/50

- sign 138.596+/-0.028 χ^2/NDF: 2657071.4/25



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 151724.177+/-0.079 χ^2/NDF:1885717584.7/8

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

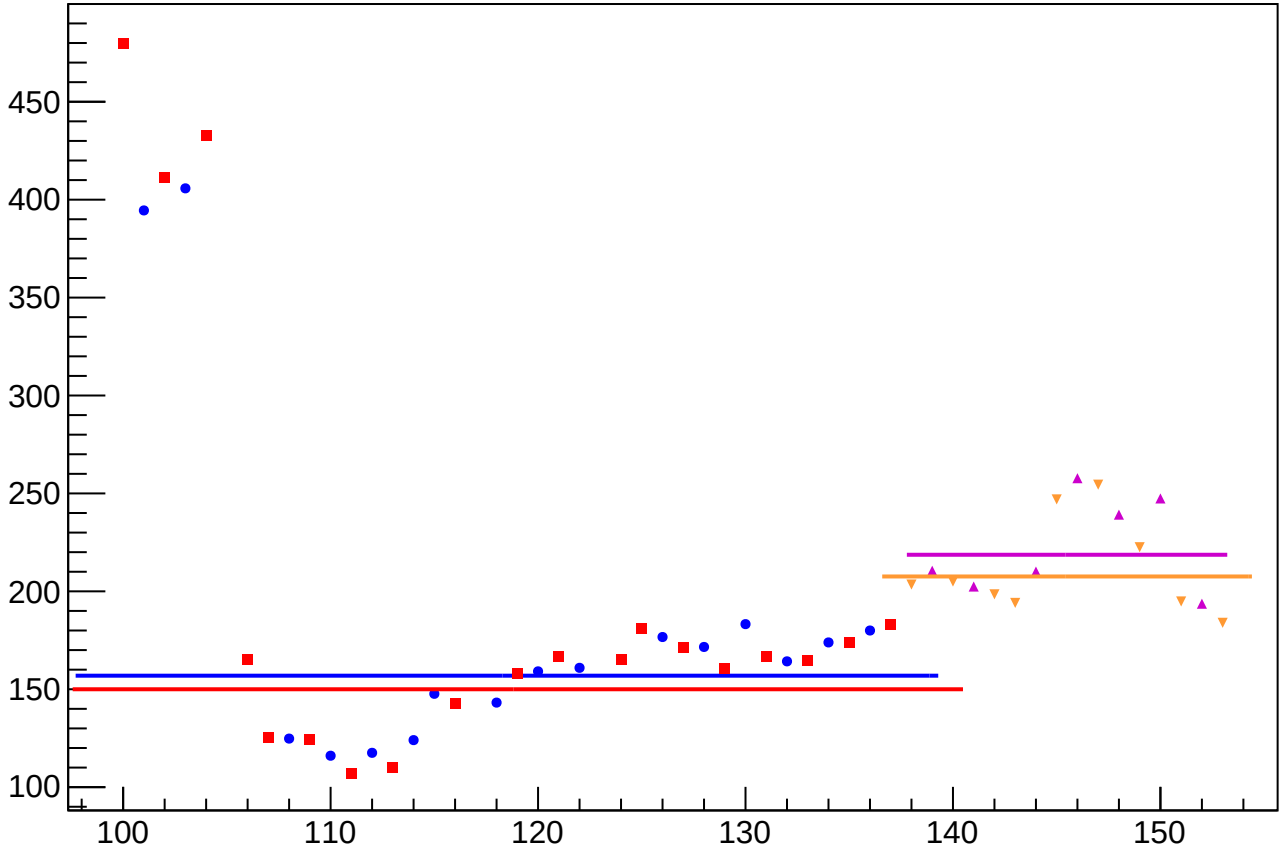
Left In: 150775.074+/-0.089 χ^2/NDF:785349167.7/6

+ sign 149178.858+/-0.049 χ^2/NDF: 3746374106.6

All: 148915.075+/-0.035 χ^2/NDF: 5593941

- sign 148650.263+/-0.049 χ^2/NDF: 1789761180.0

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 207.590+/-0.056 χ^2/NDF:148617.1/8

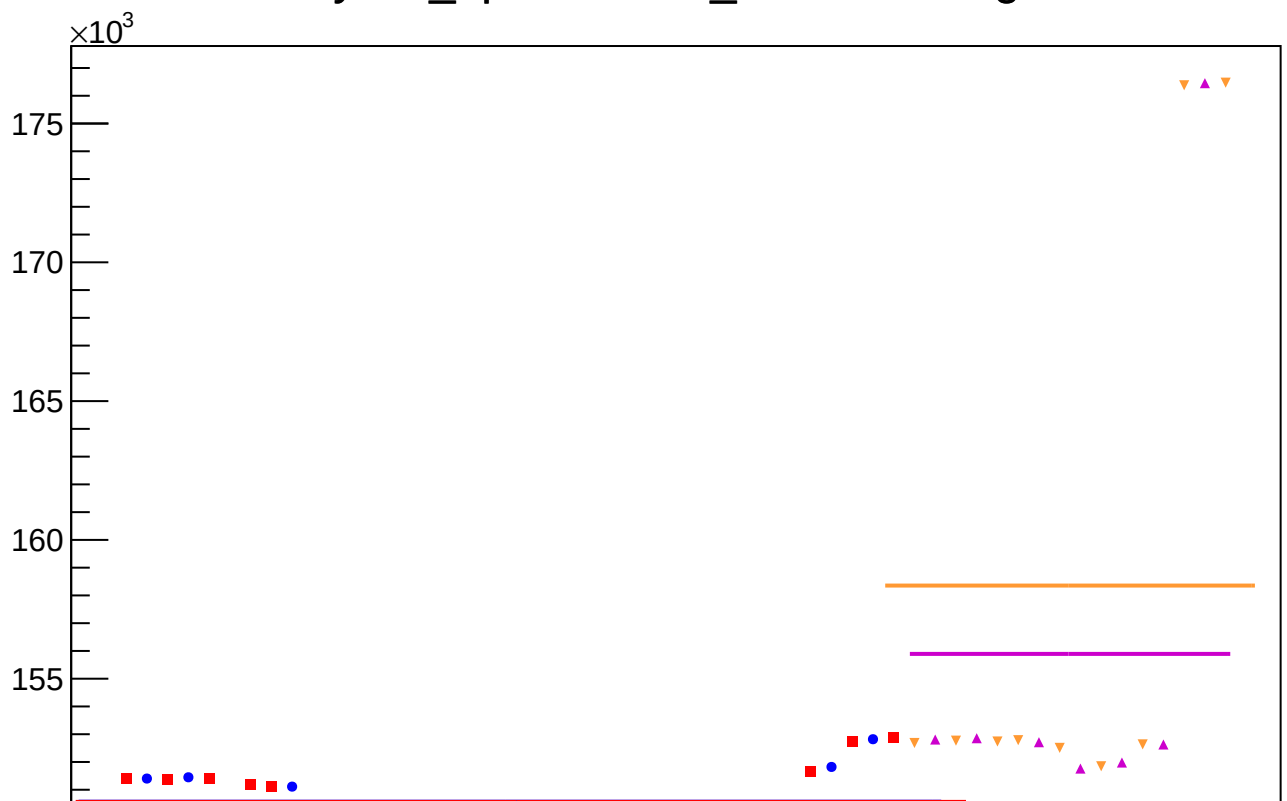
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 218.675+/-0.063 χ^2/NDF:121485.6/6

+ sign 176.280+/-0.035 χ^2/NDF: 1916793.2/24

All: 173.539+/-0.025 χ^2/NDF: 4327105.1/50

- sign 170.788+/-0.035 χ^2/NDF: 2397833.2/25



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 158355.261+/-0.067 χ^2/NDF:23538658740.078

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

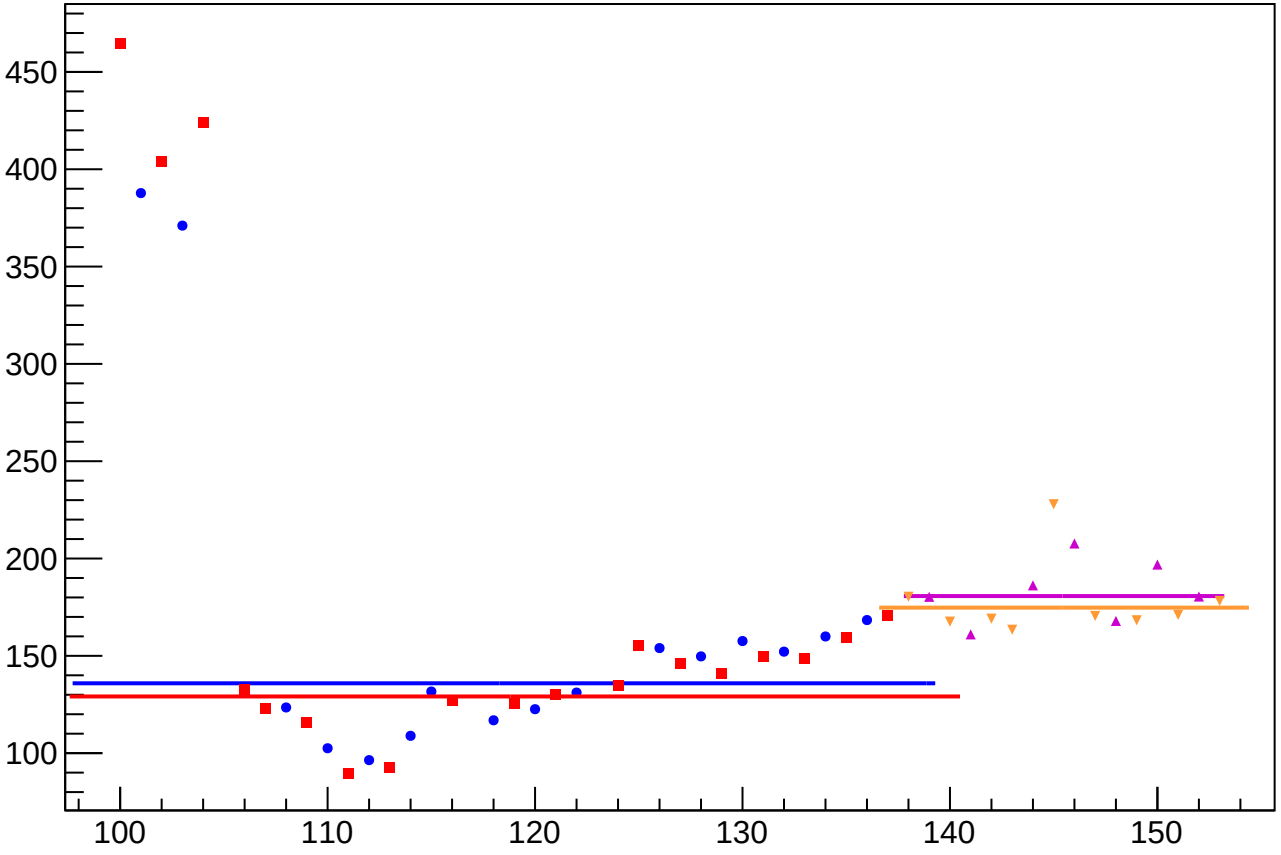
Left In: 155893.330+/-0.074 χ^2/NDF:12883391693.2/6

+ sign 153691.635+/-0.042 χ^2/NDF: 31929741334.

All: 152982.688+/-0.030 χ^2/NDF: 49103102

- sign 152284.409+/-0.042 χ^2/NDF: 16614828100.

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.765+/-0.047 χ^2/NDF:105641.3/8

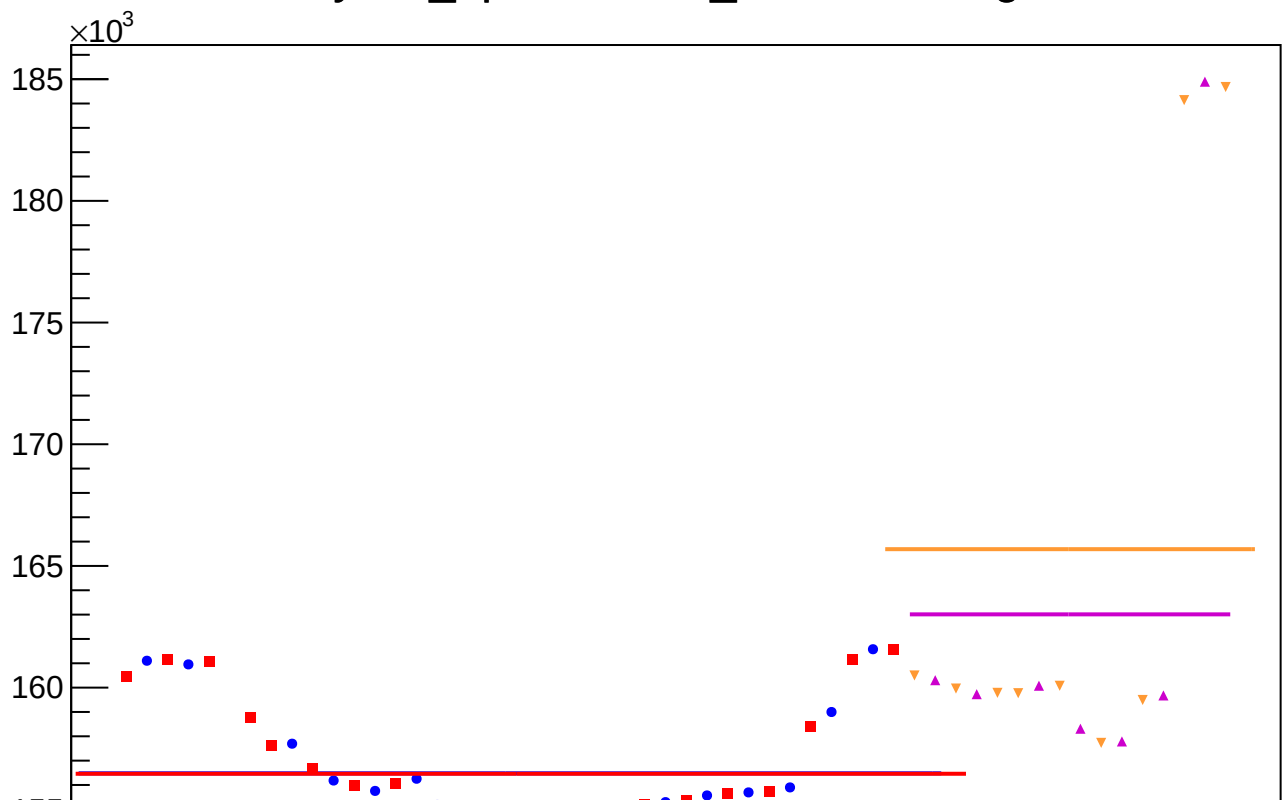
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.713+/-0.052 χ^2/NDF:78700.3/6

+ sign 151.485+/-0.030 χ^2/NDF: 1928333.9/24

All: 148.620+/-0.021 χ^2/NDF: 4301136.9/50

- sign 145.798+/-0.030 χ^2/NDF: 2354553.2/25



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 165688.754+/-0.069 χ^2/NDF:24025491030.5/8

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

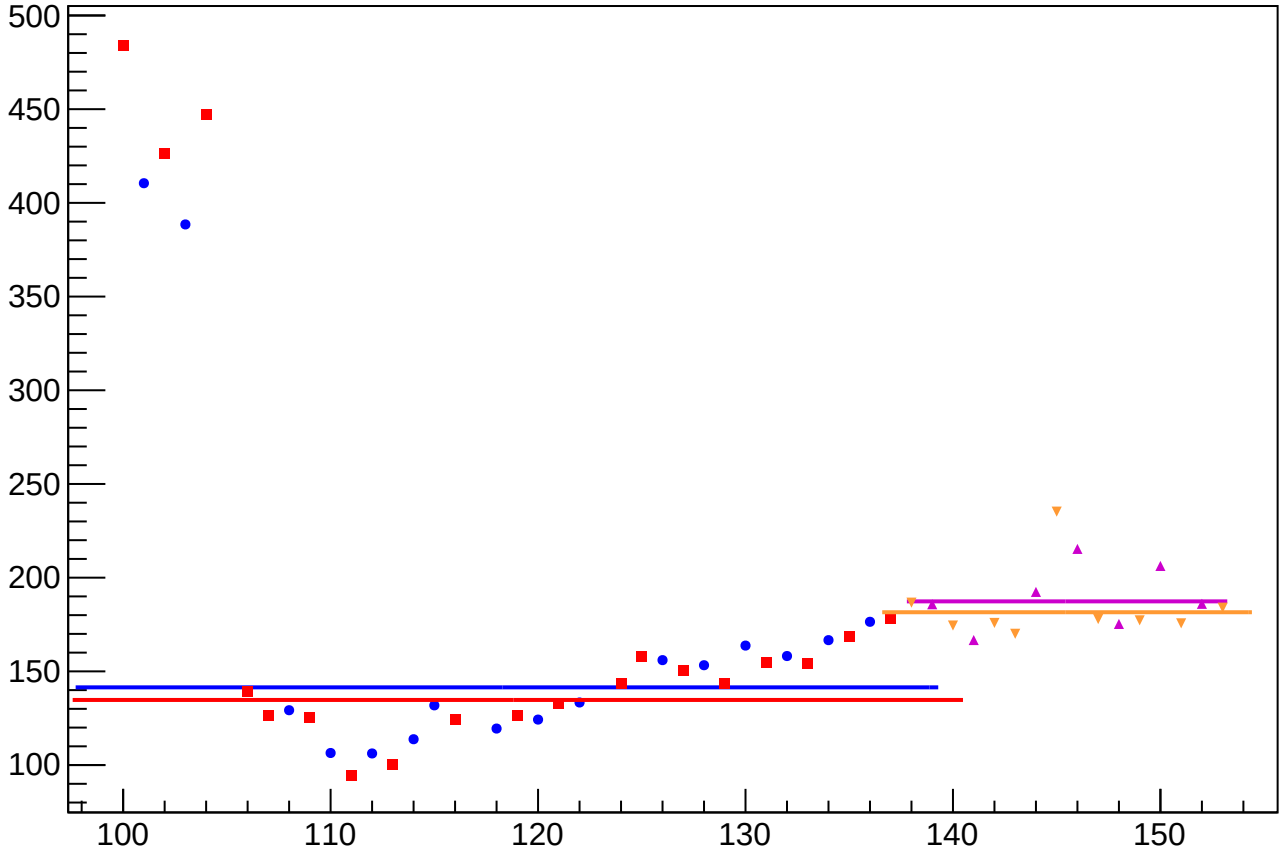
Left In: 163010.485+/-0.077 χ^2/NDF:13867052872.3/6

+ sign 160180.959+/-0.044 χ^2/NDF: 35880204991.

All: 159380.798+/-0.031 χ^2/NDF: 56451829

- sign 158591.428+/-0.044 χ^2/NDF: 19912697738.6

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 181.555+/-0.049 χ^2/NDF:99901.8/8

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

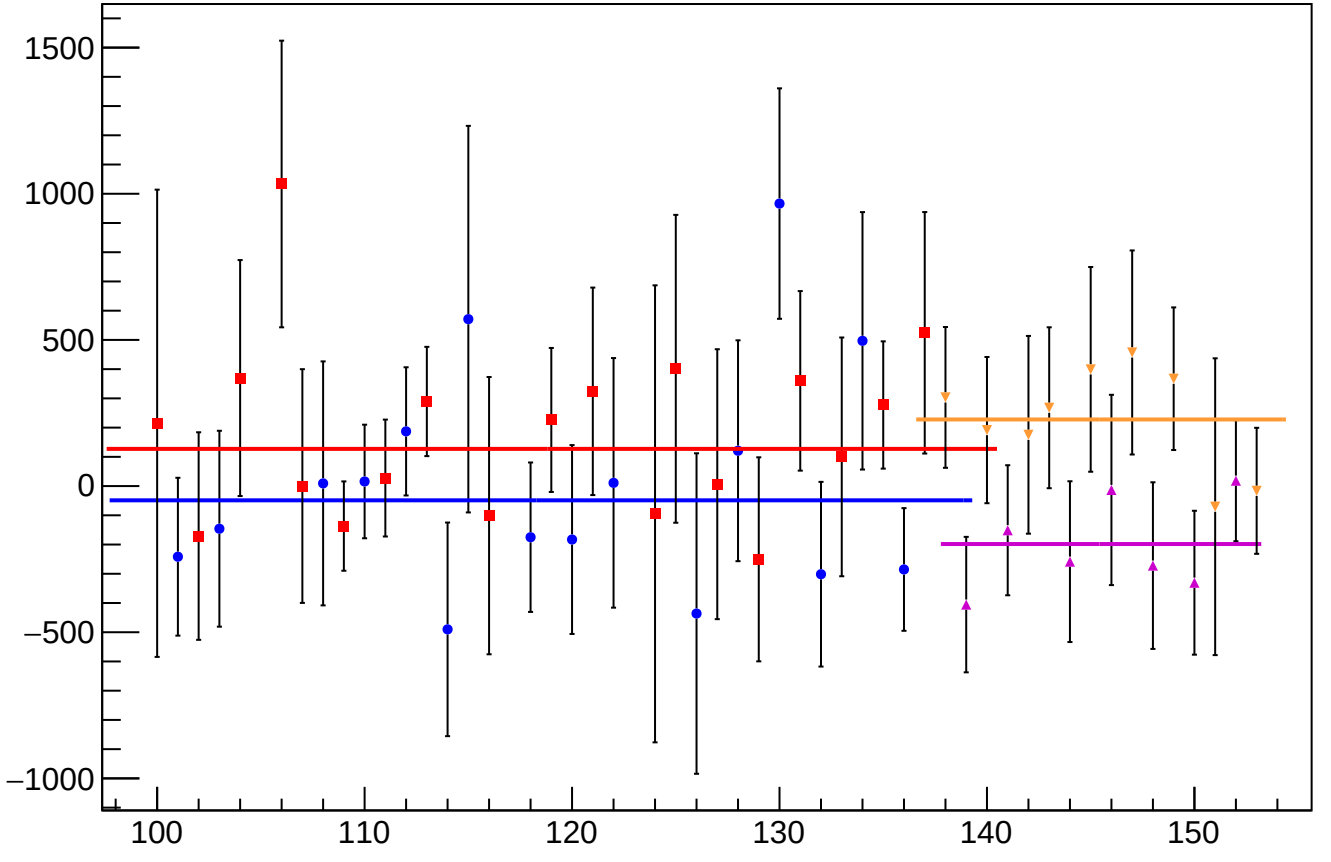
Left In: 187.351+/-0.054 χ^2/NDF:80398.9/6

+ sign 157.584+/-0.031 χ^2/NDF: 1892059.8/24

All: 154.703+/-0.022 χ^2/NDF: 4206544.1/50

- sign 151.860+/-0.031 χ^2/NDF: 2297391.4/25

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 227.857+/-93.768 χ^2/NDF:2.8/8

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

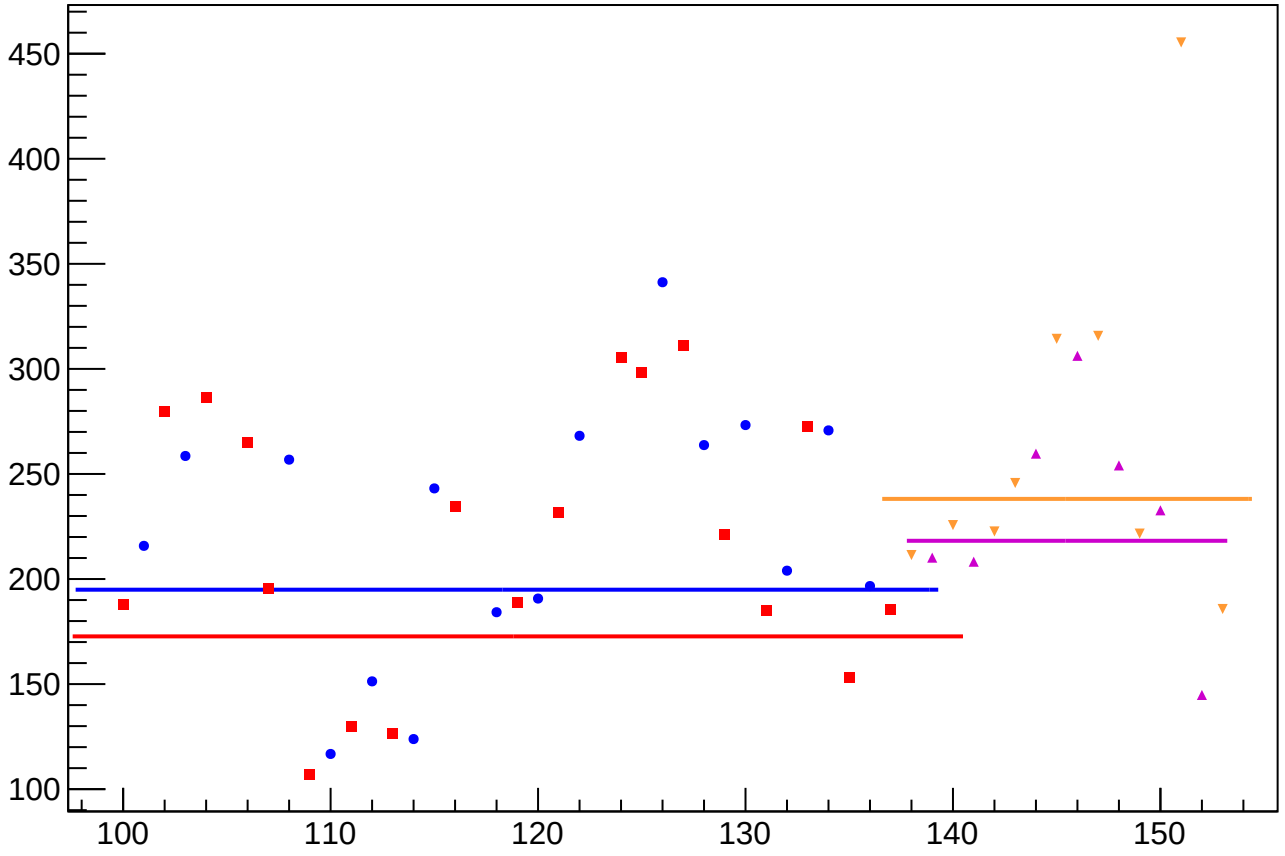
Left In: -198.279+/-93.818 χ^2/NDF:2.7/6

+ sign 61.947+/-59.318 χ^2/NDF: 23.4/24

All: 36.328+/-40.459 χ^2/NDF: 47.2/50

- sign 14.041+/-55.326 χ^2/NDF: 23.4/25

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 238.136+/-0.066 χ^2/NDF:722324.1/8

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

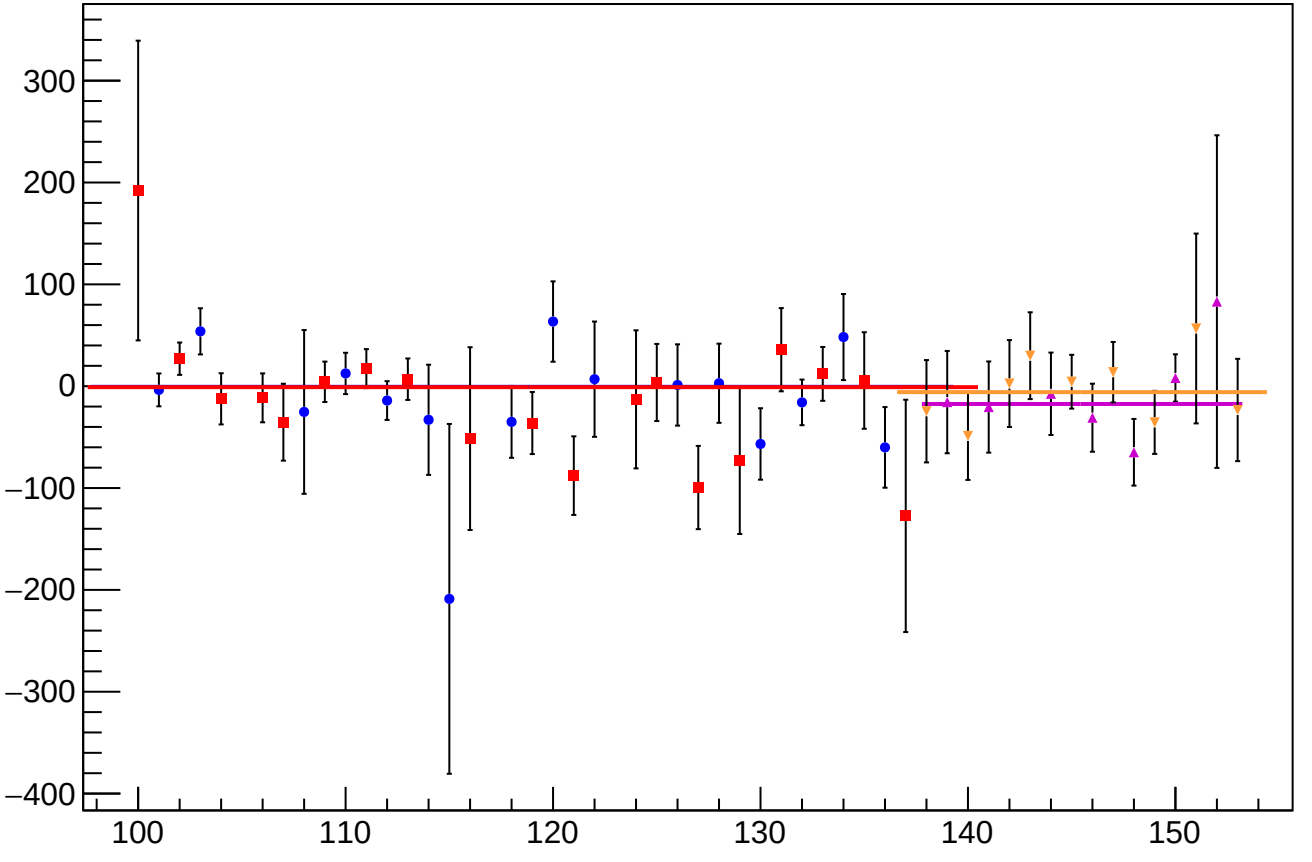
Left In: 218.198+/-0.066 χ^2/NDF:487622.9/6

+ sign 212.216+/-0.042 χ^2/NDF: 2006012.7/24

All: 199.547+/-0.029 χ^2/NDF: 4602334.2/50

- sign 188.525+/-0.039 χ^2/NDF: 2425709.3/25

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -5.827+/-12.743 χ^2/NDF:4.0/8

Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

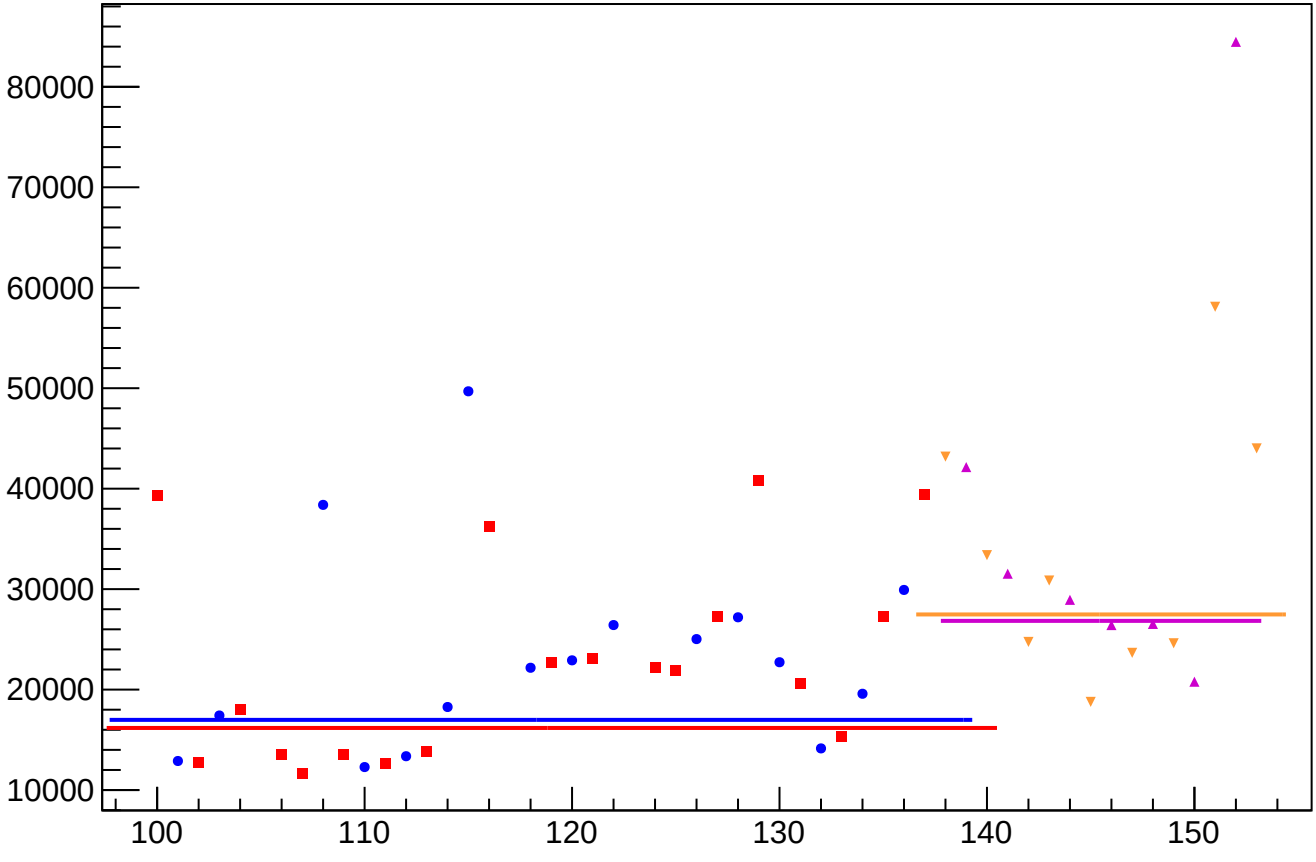
Left In: -17.459+/-13.837 χ^2/NDF:3.9/6

+ sign -1.920+/-6.361 χ^2/NDF: 23.0/24

All: -3.073+/-4.395 χ^2/NDF: 51.1/50

- sign -4.126+/-6.079 χ^2/NDF: 28.1/25

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 27480.579+/-9.011 χ^2/NDF:953866.5/8

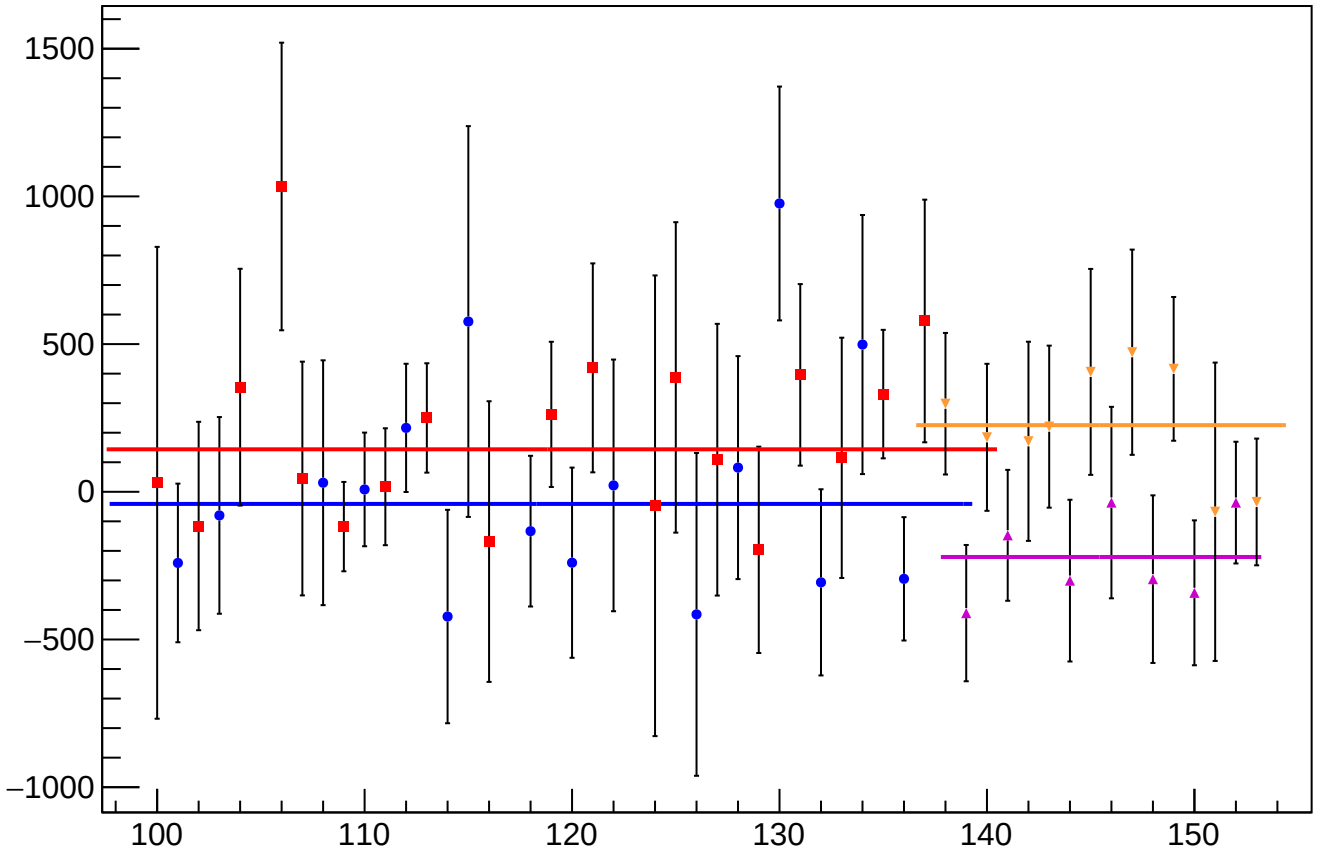
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 26840.302+/-9.784 χ^2/NDF:598381.0/6

+ sign 19600.892+/-4.498 χ^2/NDF: 3166413.1/24

All: 18889.169+/-3.107 χ^2/NDF: 6021810.7/5

- sign 18239.053+/-4.299 χ^2/NDF: 2807481.5/25



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 225.598+/-93.366 χ^2/NDF:3.3/8

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

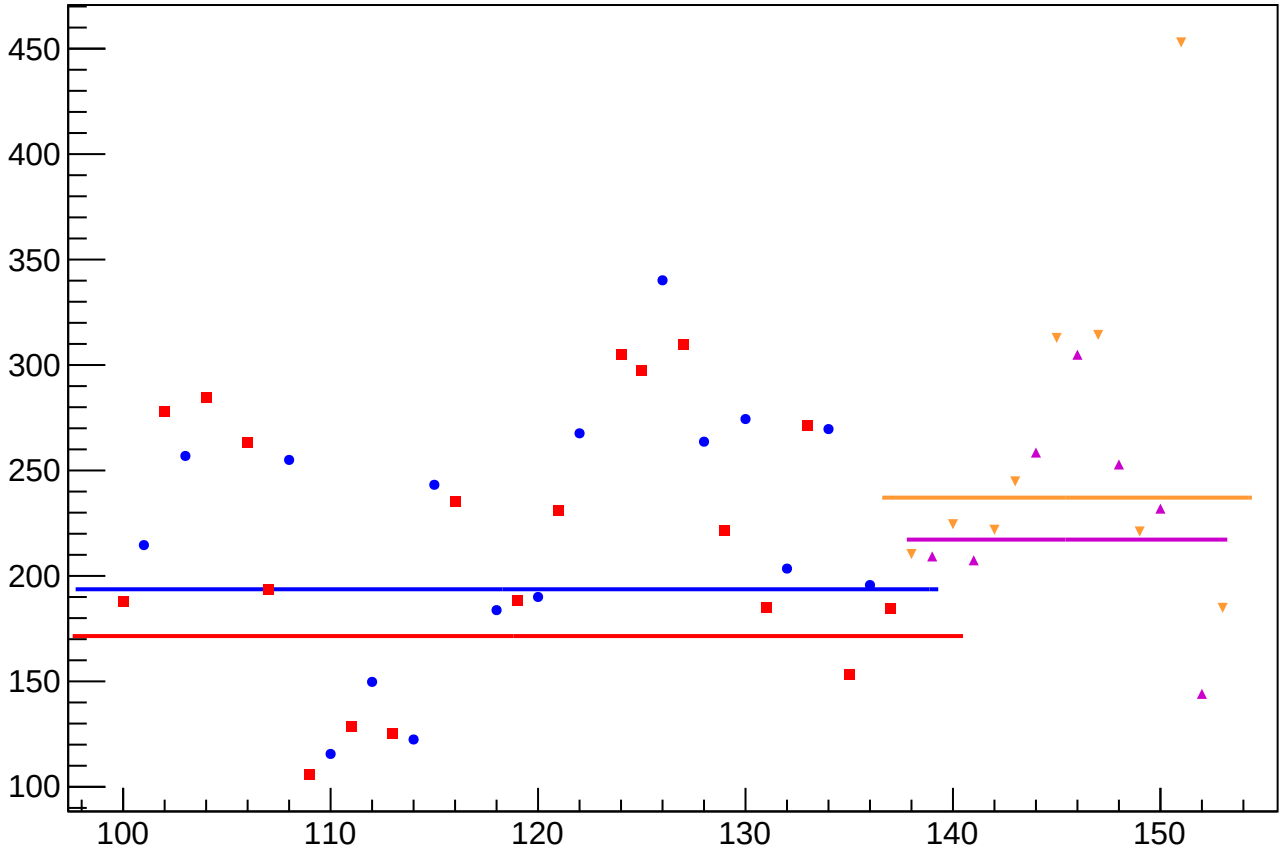
Left In: -220.702+/-93.403 χ^2/NDF:2.3/6

+ sign 65.482+/-59.014 χ^2/NDF: 23.7/24

All: 39.731+/-40.242 χ^2/NDF: 49.3/50

- sign 17.350+/-55.017 χ^2/NDF: 25.3/25

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 237.124+/-0.066 χ^2/NDF:721514.7/8

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

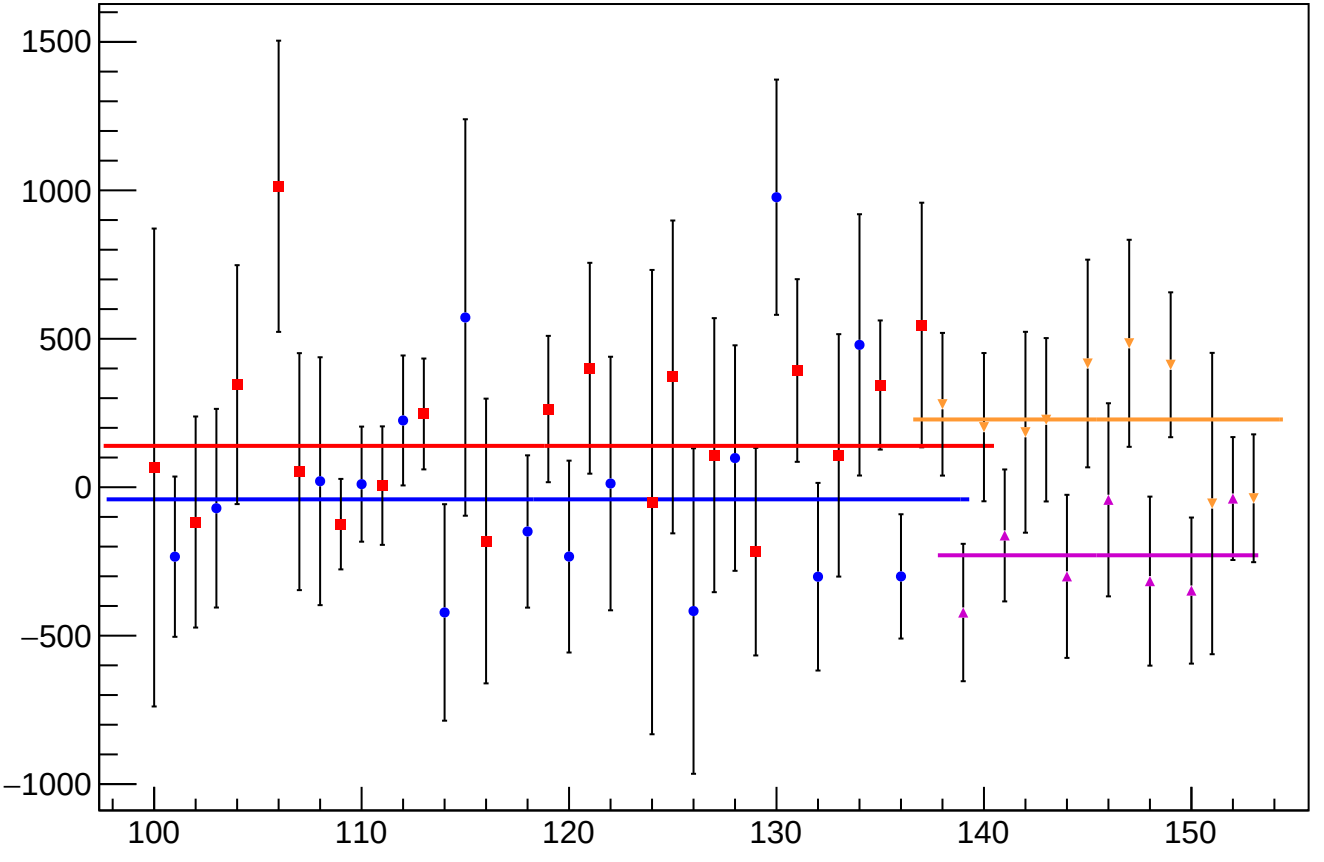
Left In: 217.220+/-0.066 χ^2/NDF:488873.9/6

+ sign 211.031+/-0.042 χ^2/NDF: 2031426.1/24

All: 198.362+/-0.028 χ^2/NDF: 4658722.7/50

- sign 187.352+/-0.039 χ^2/NDF: 2455025.0/25

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 228.258+/-93.679 χ^2/NDF:3.3/8

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

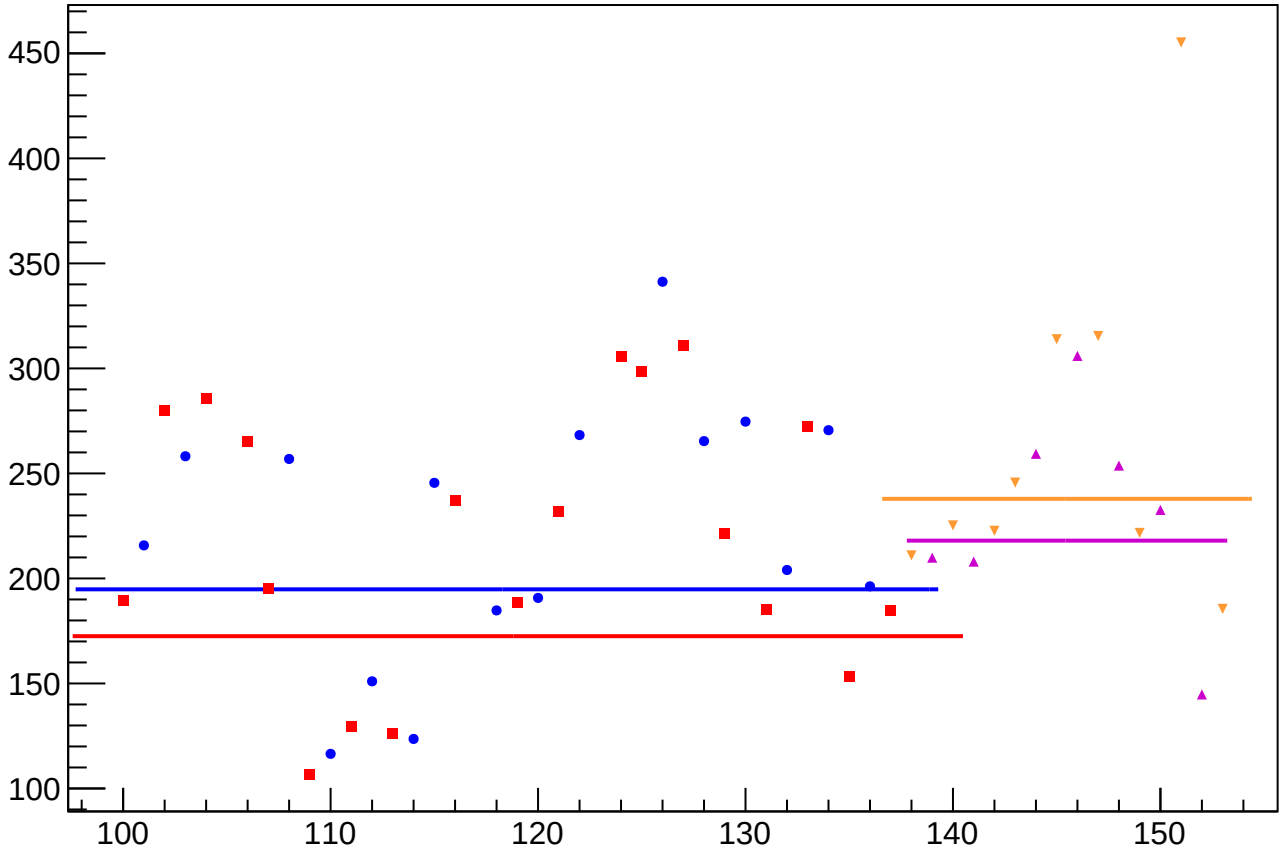
Left In: -229.250+/-93.733 χ^2/NDF:2.4/6

+ sign 66.977+/-59.290 χ^2/NDF: 23.6/24

All: 37.081+/-40.434 χ^2/NDF: 49.4/50

- sign 11.088+/-55.284 χ^2/NDF: 25.3/25

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 237.899+/-0.066 χ^2/NDF:723037.7/8

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

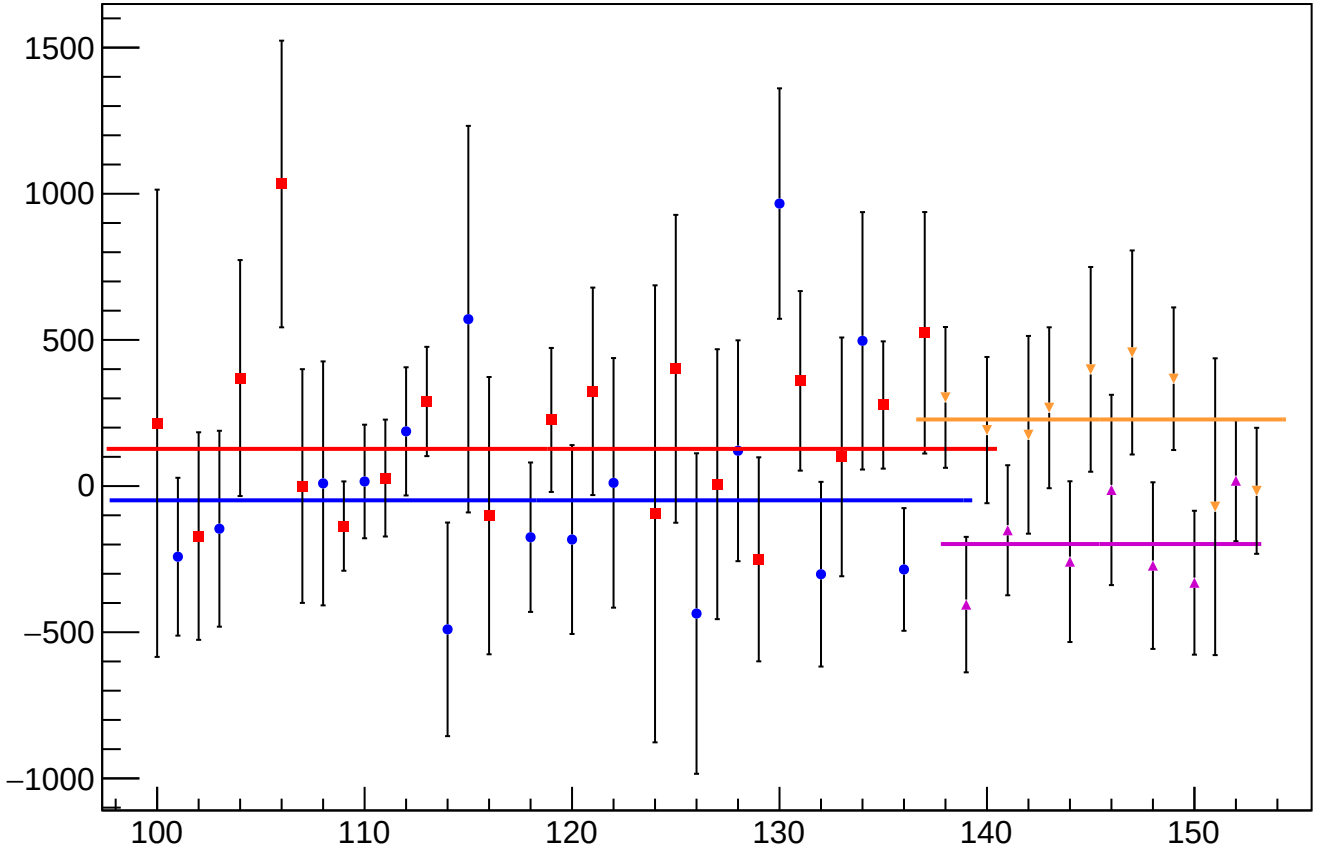
Left In: 218.000+/-0.066 χ^2/NDF:486892.0/6

+ sign 212.076+/-0.042 χ^2/NDF: 2015664.9/24

All: 199.375+/-0.029 χ^2/NDF: 4623426.8/50

- sign 188.333+/-0.039 χ^2/NDF: 2436192.9/25

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 227.857+/-93.768 χ^2/NDF:2.8/8

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

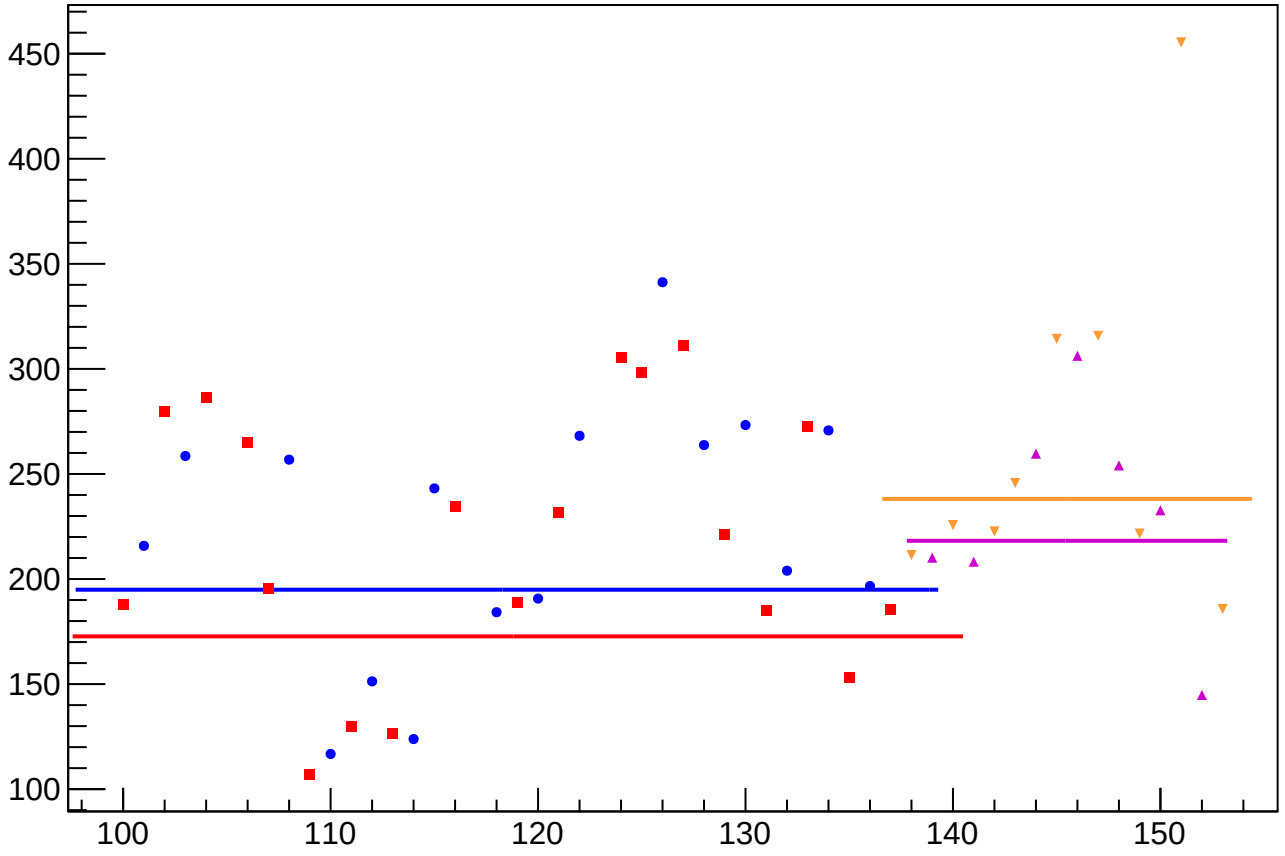
Left In: -198.279+/-93.818 χ^2/NDF:2.7/6

+ sign 61.947+/-59.318 χ^2/NDF: 23.4/24

All: 36.328+/-40.459 χ^2/NDF: 47.2/50

- sign 14.041+/-55.326 χ^2/NDF: 23.4/25

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 238.136+/-0.066 χ^2/NDF:722324.1/8

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

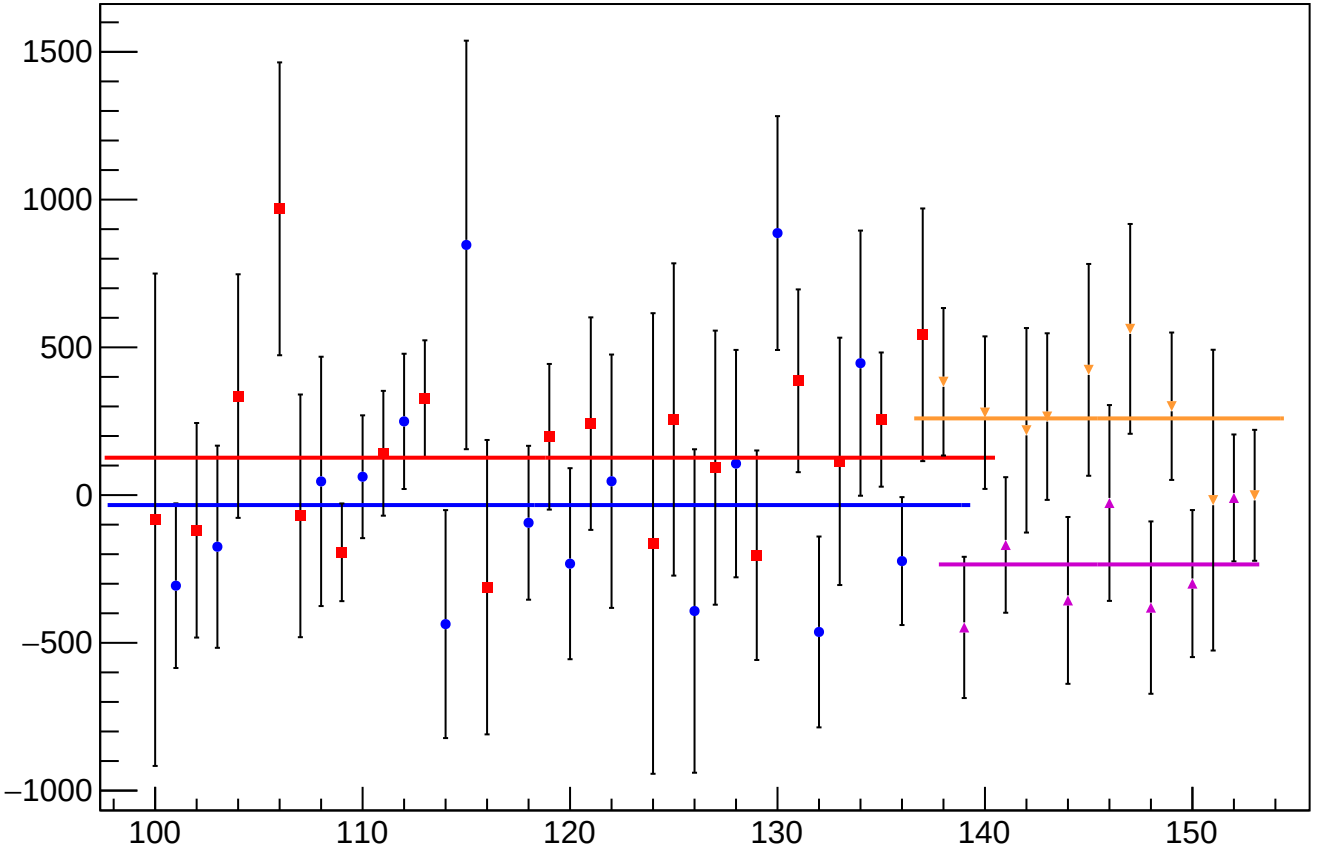
Left In: 218.198+/-0.066 χ^2/NDF:487622.9/6

\+ sign 212.216+/-0.042 χ^2/NDF: 2006012.7/24

All: 199.547+/-0.029 χ^2/NDF: 4602334.2/50

\- sign 188.525+/-0.039 χ^2/NDF: 2425709.3/25

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 259.537+/-96.218 χ^2/NDF:2.9/8

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

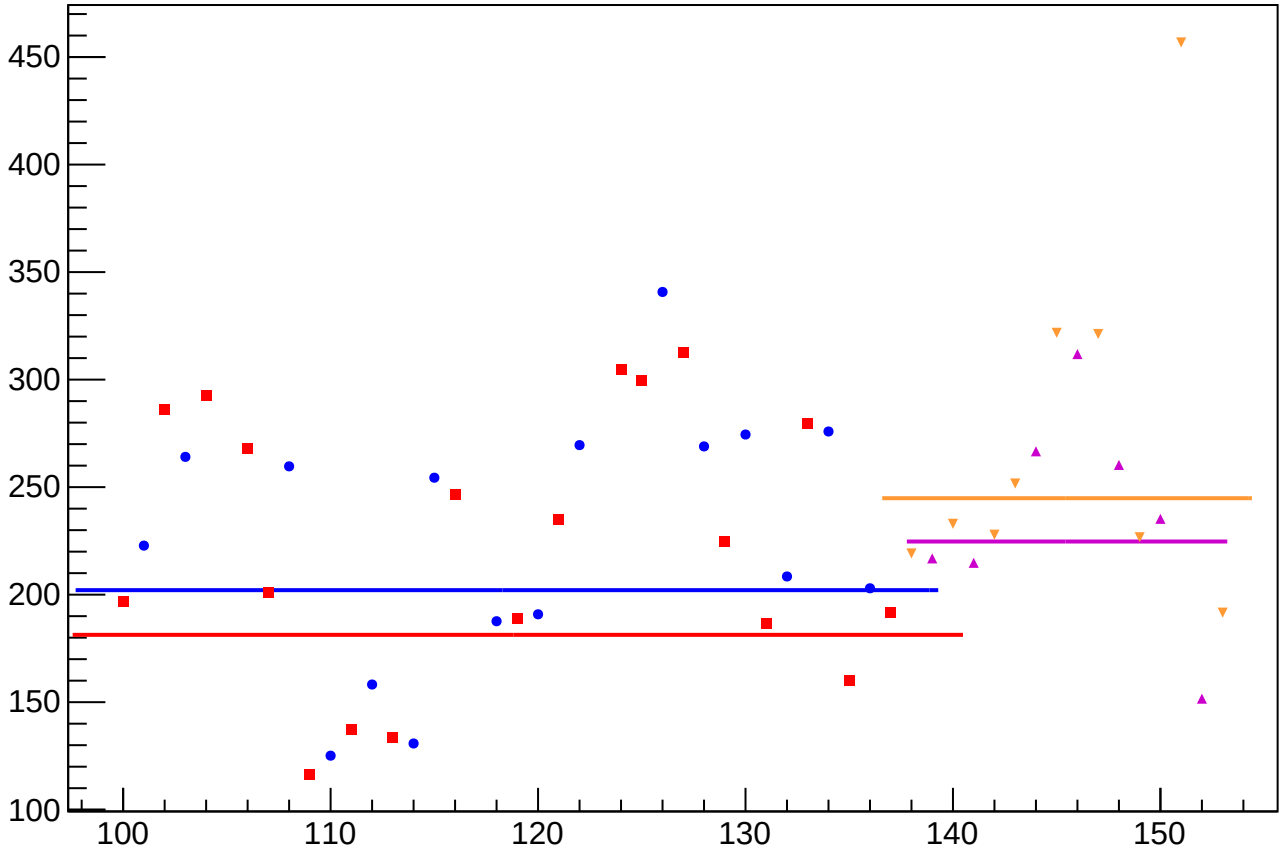
Left In: -234.624+/-96.337 χ^2/NDF:2.9/6

+ sign 84.352+/-61.055 χ^2/NDF: 24.2/24

All: 38.832+/-41.788 χ^2/NDF: 49.9/50

- sign -1.284+/-57.316 χ^2/NDF: 24.6/25

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 244.853+/-0.068 χ^2/NDF:688882.7/8

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

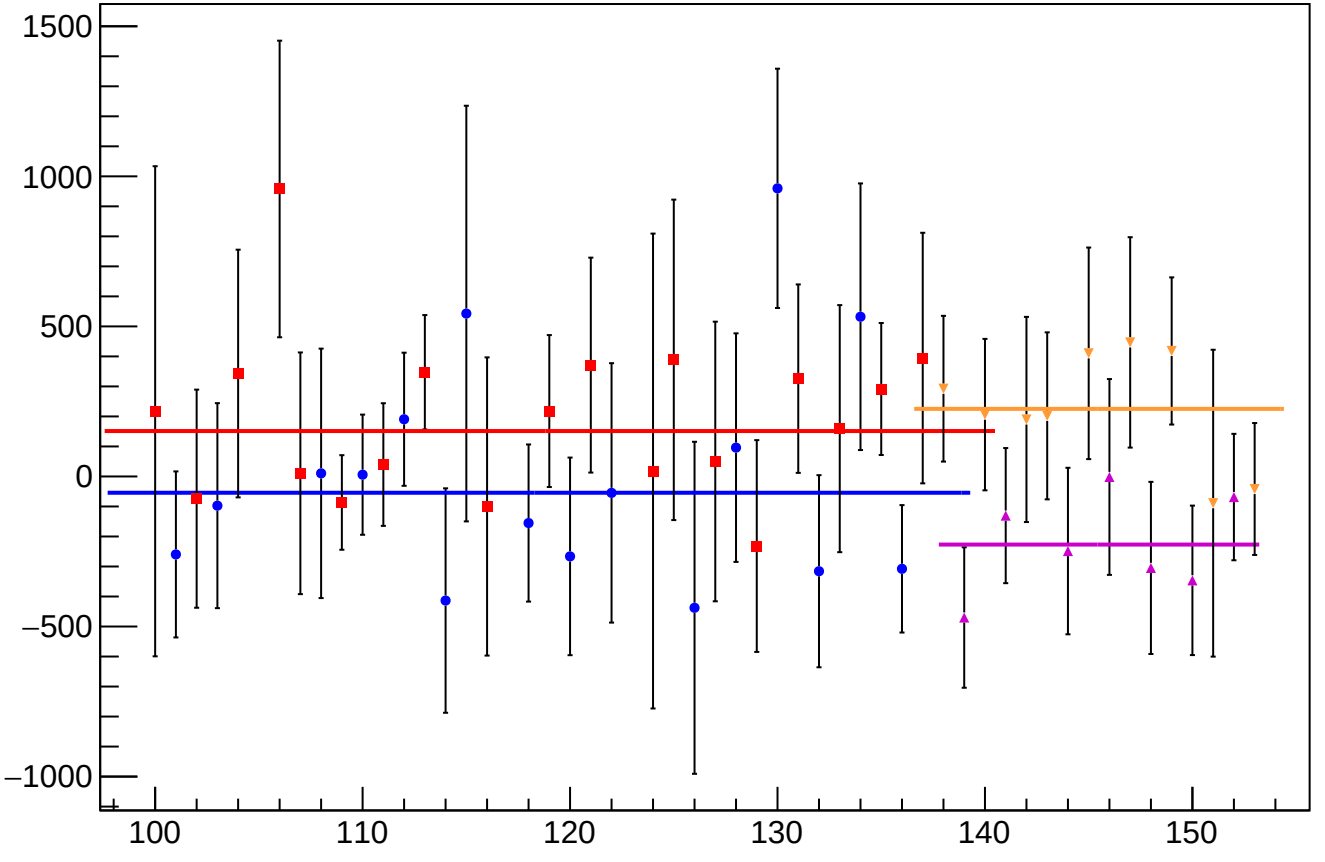
Left In: 224.712+/-0.068 χ^2/NDF:453430.9/6

+ sign 219.308+/-0.043 χ^2/NDF: 1835124.7/24

All: 207.277+/-0.030 χ^2/NDF: 4137877.9/50

- sign 196.674+/-0.041 χ^2/NDF: 2156644.6/25

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 225.286+/-94.702 χ^2/NDF:3.2/8

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

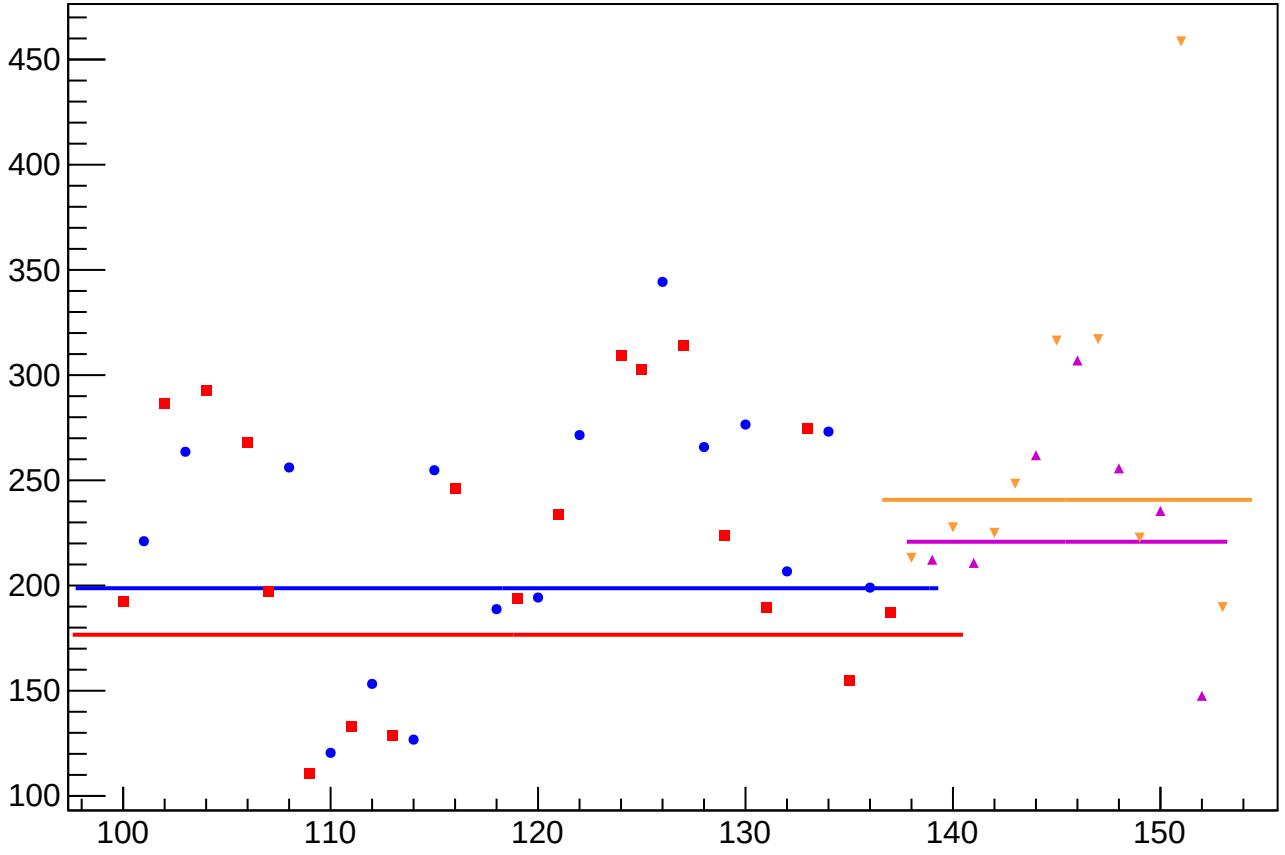
Left In: -226.906+/-94.825 χ^2/NDF:2.6/6

+ sign 58.638+/-60.183 χ^2/NDF: 23.5/24

All: 37.048+/-41.101 χ^2/NDF: 46.9/50

- sign 18.177+/-56.266 χ^2/NDF: 23.2/25

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 240.733+/-0.067 χ^2/NDF:705554.7/8

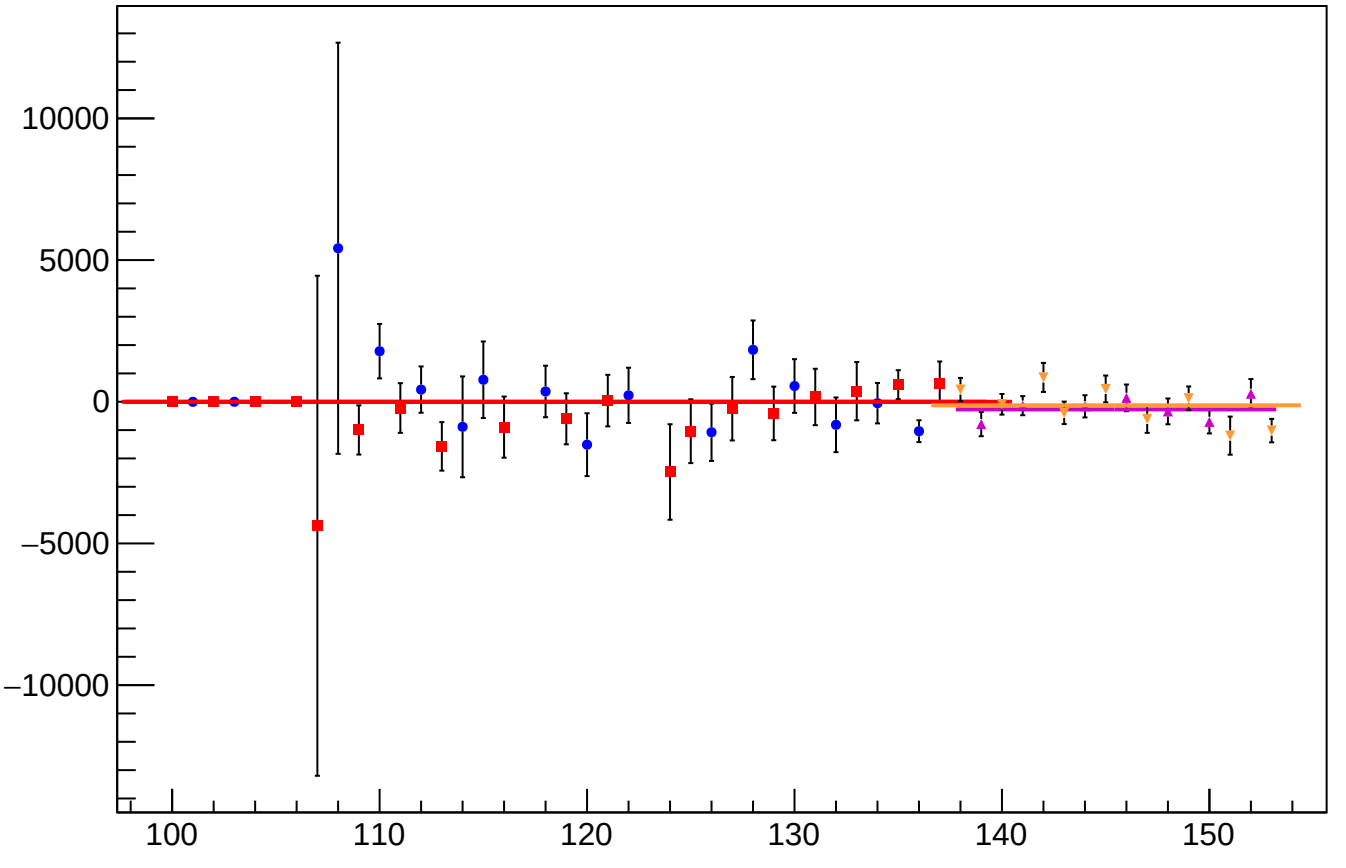
Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 220.809+/-0.067 χ^2/NDF:468300.1/6

+ sign 215.686+/-0.043 χ^2/NDF: 1934295.5/24

All: 203.143+/-0.029 χ^2/NDF: 4442506.3/50

- sign 192.179+/-0.040 χ^2/NDF: 2345401.5/25



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -125.298+/-147.302 χ^2/NDF:16.0/8

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

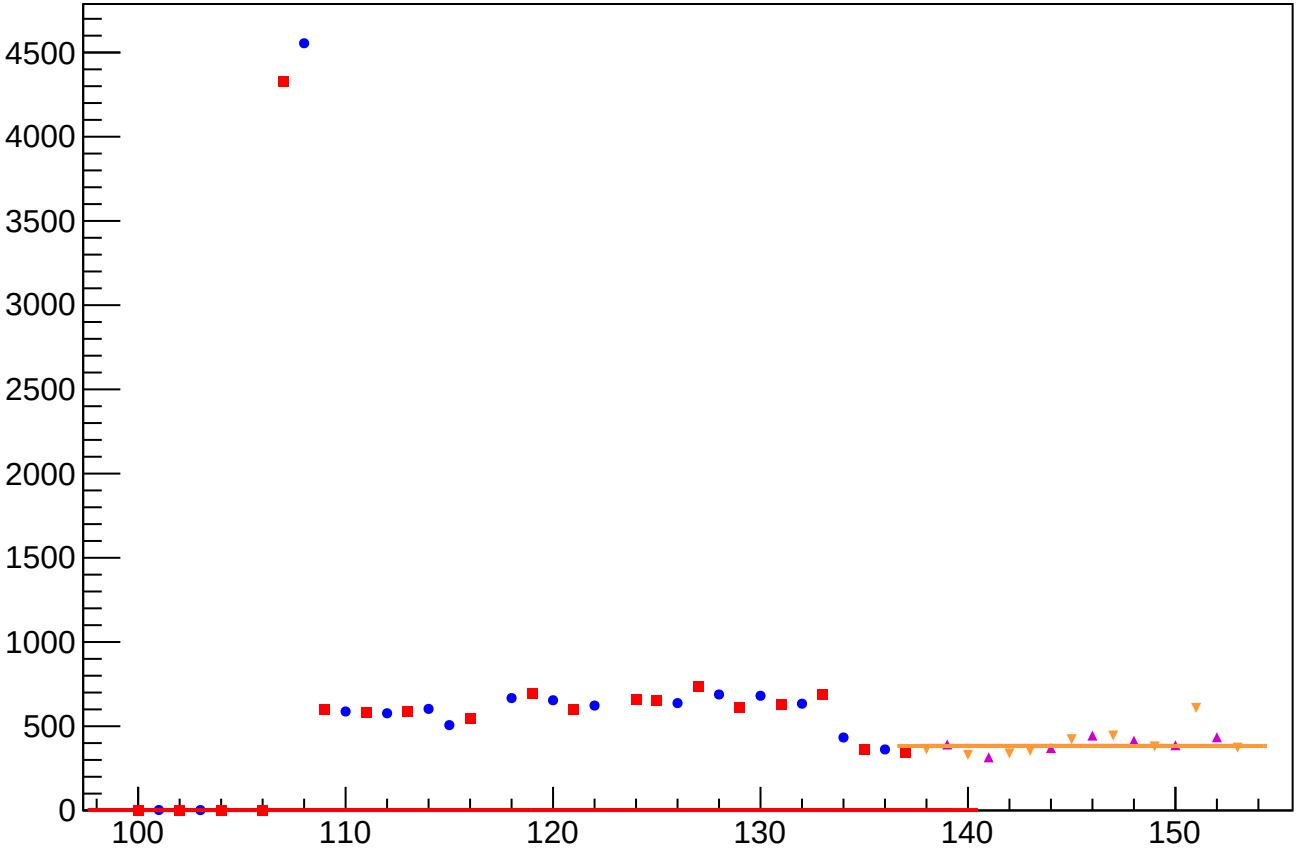
Left In: -270.092+/-158.459 χ^2/NDF:4.8/6

+ sign -1.266+/-2.171 χ^2/NDF: 36.6/24

All: -1.349+/-1.480 χ^2/NDF: 61.1/50

- sign -1.421+/-2.022 χ^2/NDF: 24.5/25

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 382.523+/-0.104 χ^2/NDF:346247.8/8

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

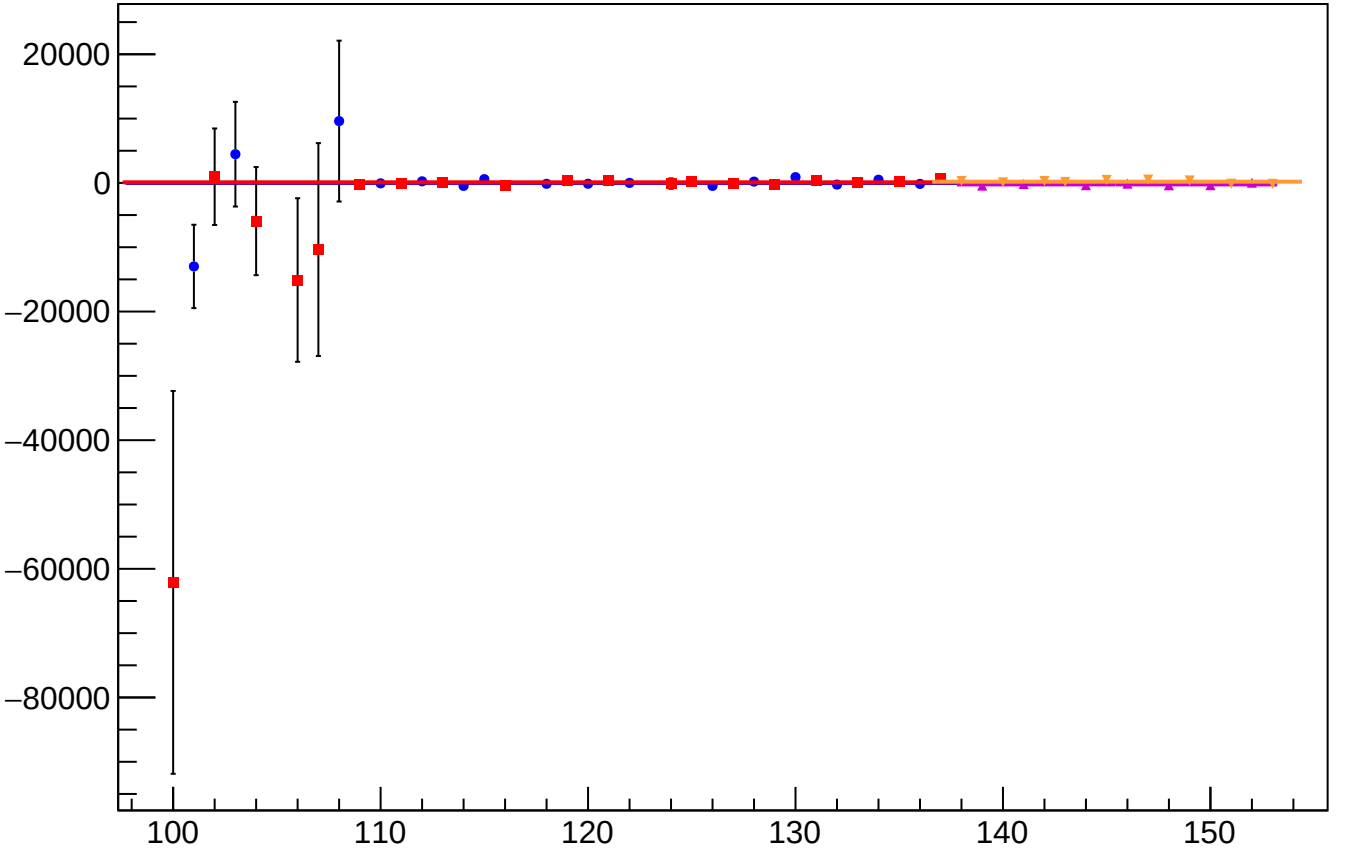
Left In: 383.373+/-0.112 χ^2/NDF:147248.8/6

+ sign 2.559+/-0.002 χ^2/NDF: 25282852.3/24

All: 2.540+/-0.001 χ^2/NDF: 48530818.9/50

- sign 2.524+/-0.001 χ^2/NDF: 23247687.9/25

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 191.020+/-100.289 χ^2/NDF:4.7/8

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

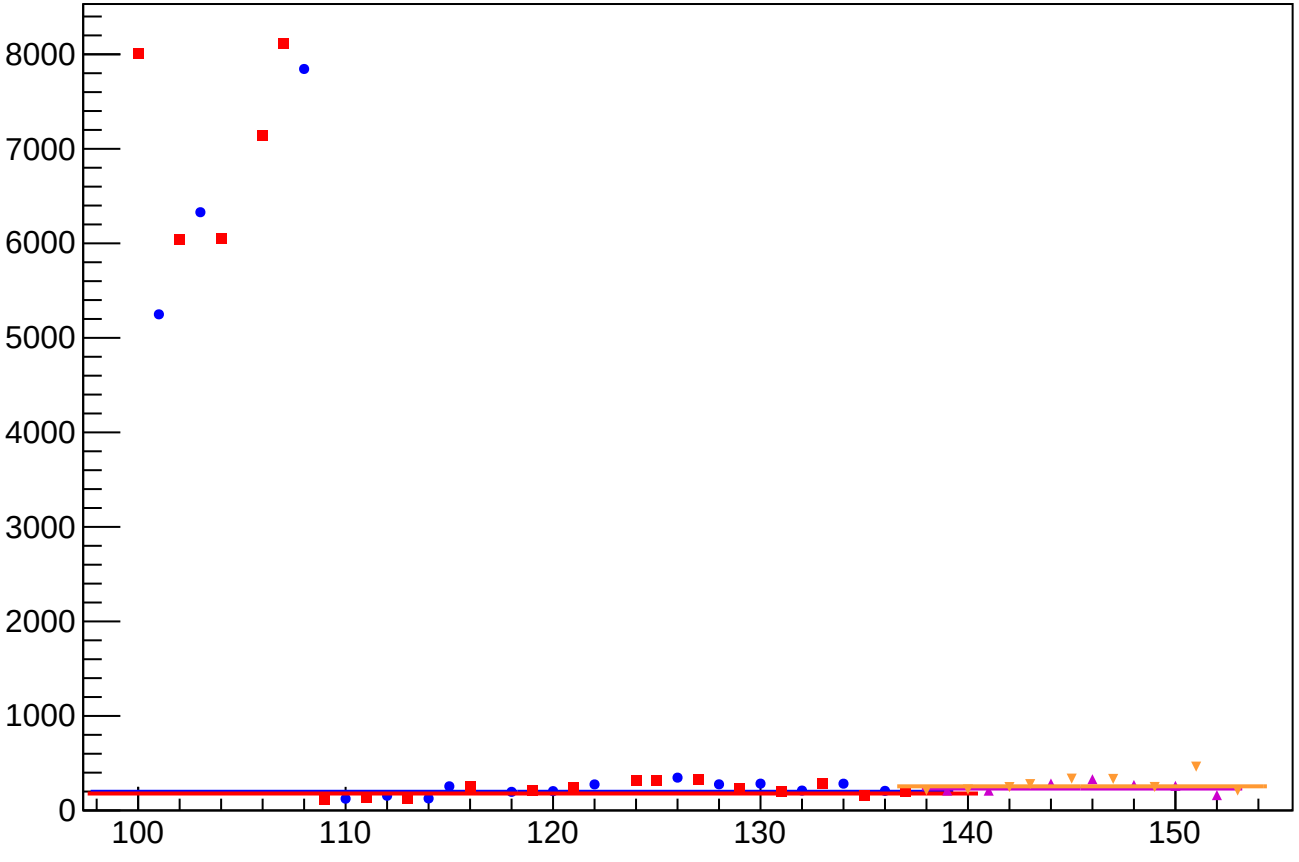
Left In: -234.552+/-99.435 χ^2/NDF:2.8/6

+ sign 83.232+/-66.071 χ^2/NDF: 23.6/24

All: 17.845+/-45.625 χ^2/NDF: 49.4/50

- sign -41.760+/-63.081 χ^2/NDF: 24.0/25

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 255.303+/-0.071 χ^2/NDF:691223.0/8

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

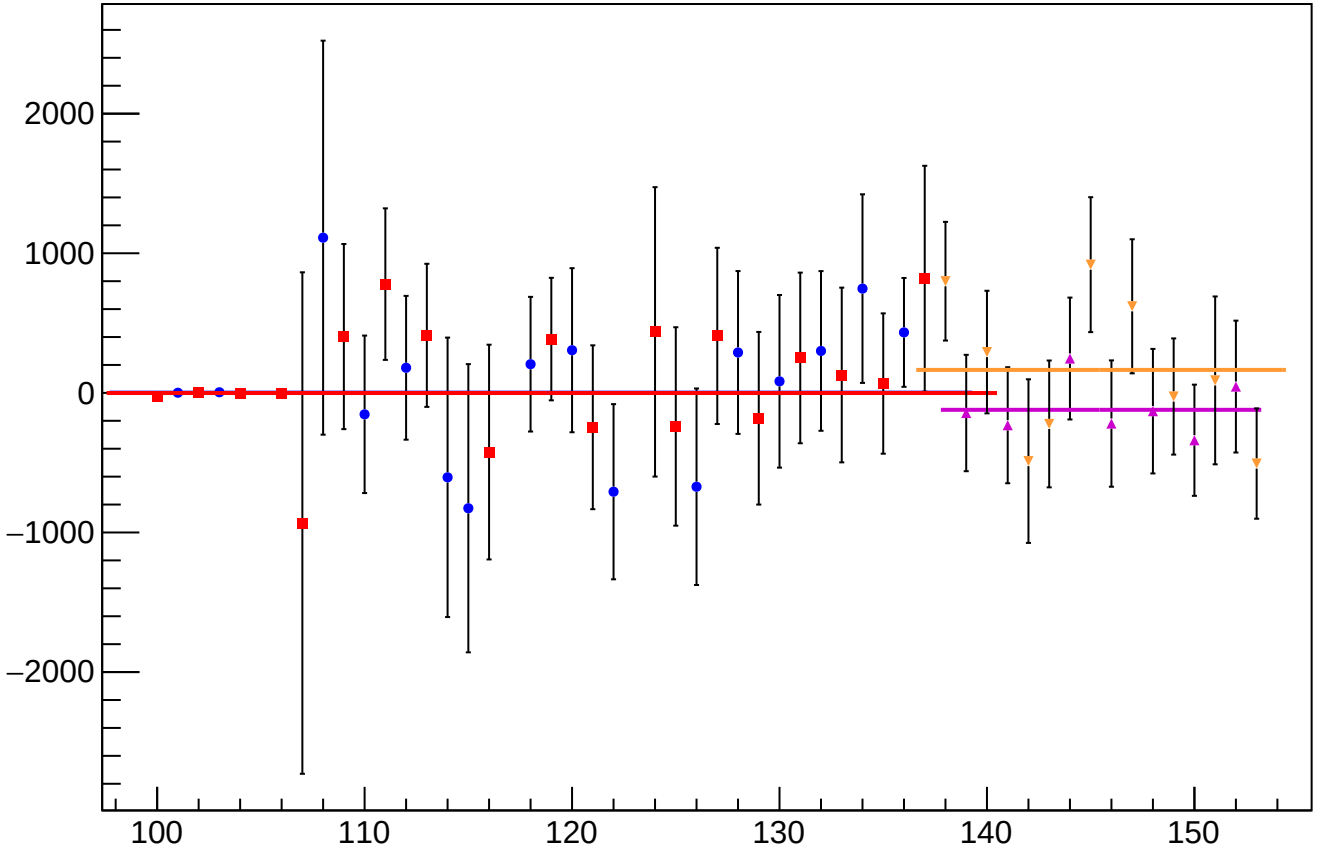
Left In: 231.702+/-0.070 χ^2/NDF:500196.1/6

+ sign 222.655+/-0.047 χ^2/NDF: 5022890.9/24

All: 210.992+/-0.032 χ^2/NDF: 10393194.7/50

- sign 200.360+/-0.045 χ^2/NDF: 5251161.8/25

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 164.554+/-154.223 χ^2/NDF:10.7/8

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

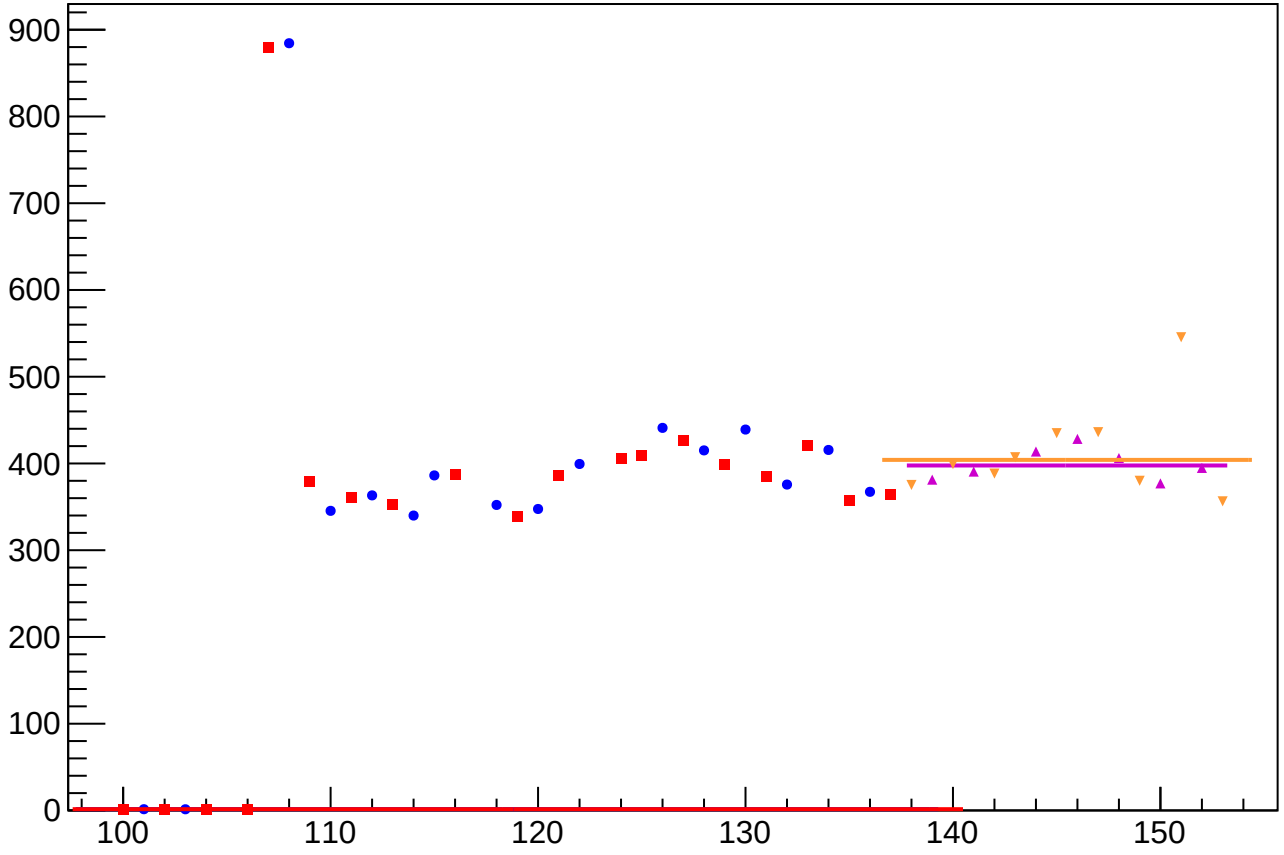
Left In: -121.395+/-163.318 χ^2/NDF:1.3/6

+ sign 1.475+/-1.660 χ^2/NDF: 19.7/24

All: 0.078+/-1.124 χ^2/NDF: 32.0/50

- sign -1.104+/-1.528 χ^2/NDF: 11.0/25

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 404.131+/-0.109 χ^2/NDF:174529.9/8

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

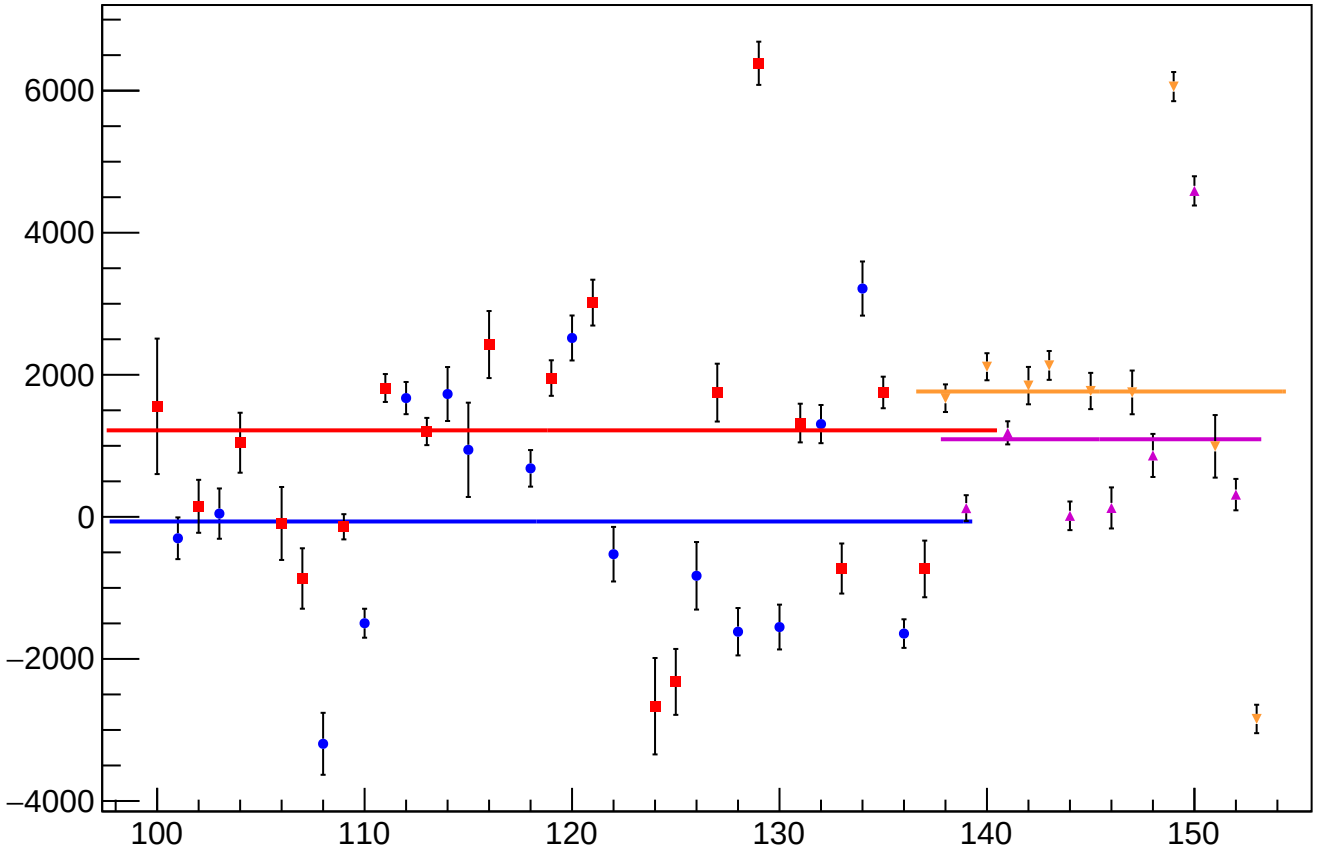
Left In: 397.678+/-0.115 χ^2/NDF:21726.7/6

\+ sign 1.517+/-0.001 χ^2/NDF: 25541933.8/24

All: 1.509+/-0.001 χ^2/NDF: 48604153.5/50

\- sign 1.502+/-0.001 χ^2/NDF: 23062131.1/25

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1765.006+/-76.151 χ^2/NDF:978.6/8

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

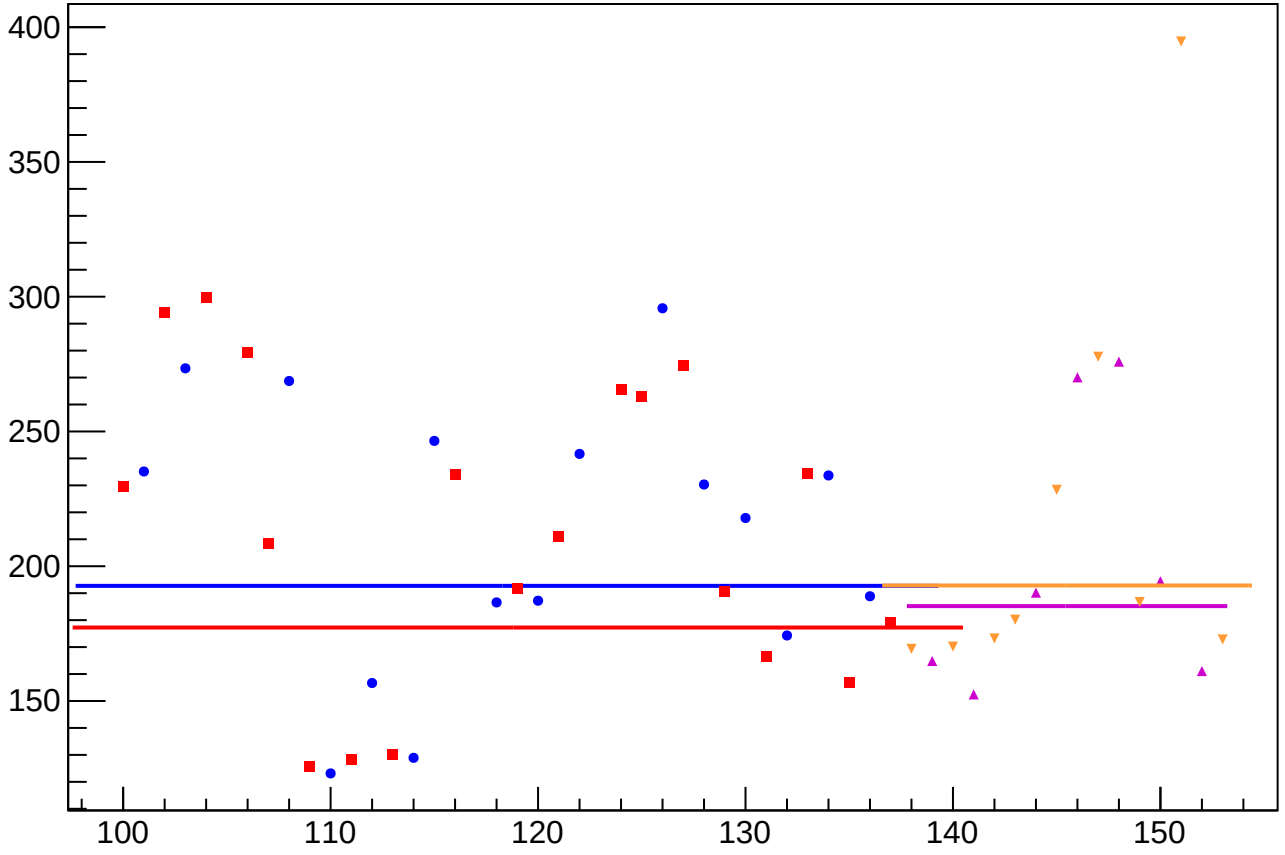
Left In: 1092.484+/-79.197 χ^2/NDF:369.6/6

\+ sign 834.791+/-53.397 χ^2/NDF: 1741.6/24

All: 1003.514+/-37.266 χ^2/NDF: 2726.7/50

\- sign 1163.730+/-52.034 χ^2/NDF: 965.7/25

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 192.856+/-0.054 χ^2/NDF:709019.7/8

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

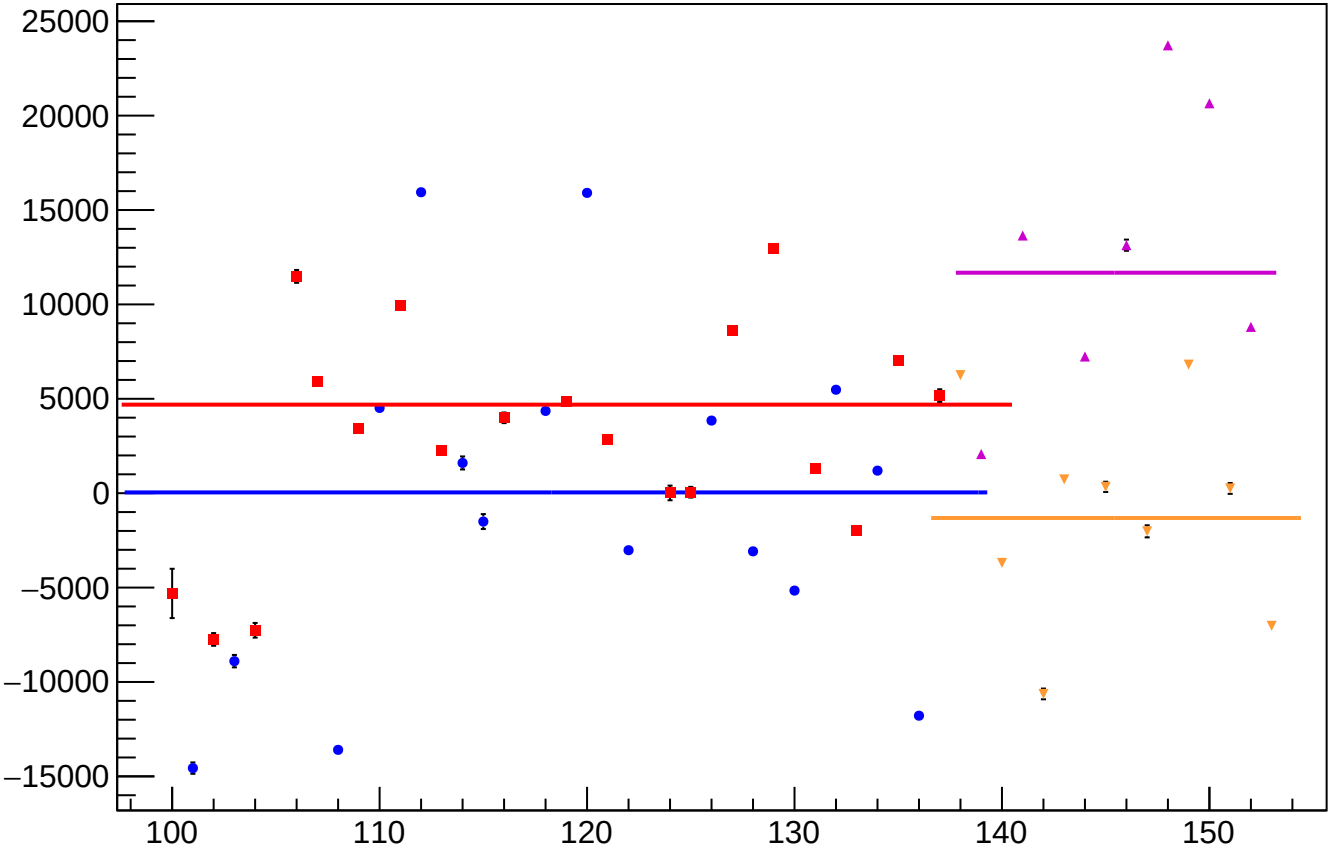
Left In: 185.196+/-0.056 χ^2/NDF:486373.3/6

+ sign 192.786+/-0.038 χ^2/NDF: 1468169.3/24

All: 186.577+/-0.026 χ^2/NDF: 3244885.0/50

- sign 180.681+/-0.037 χ^2/NDF: 1723993.1/25

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1313.495+/-73.649 χ^2/NDF:5788.9/8

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

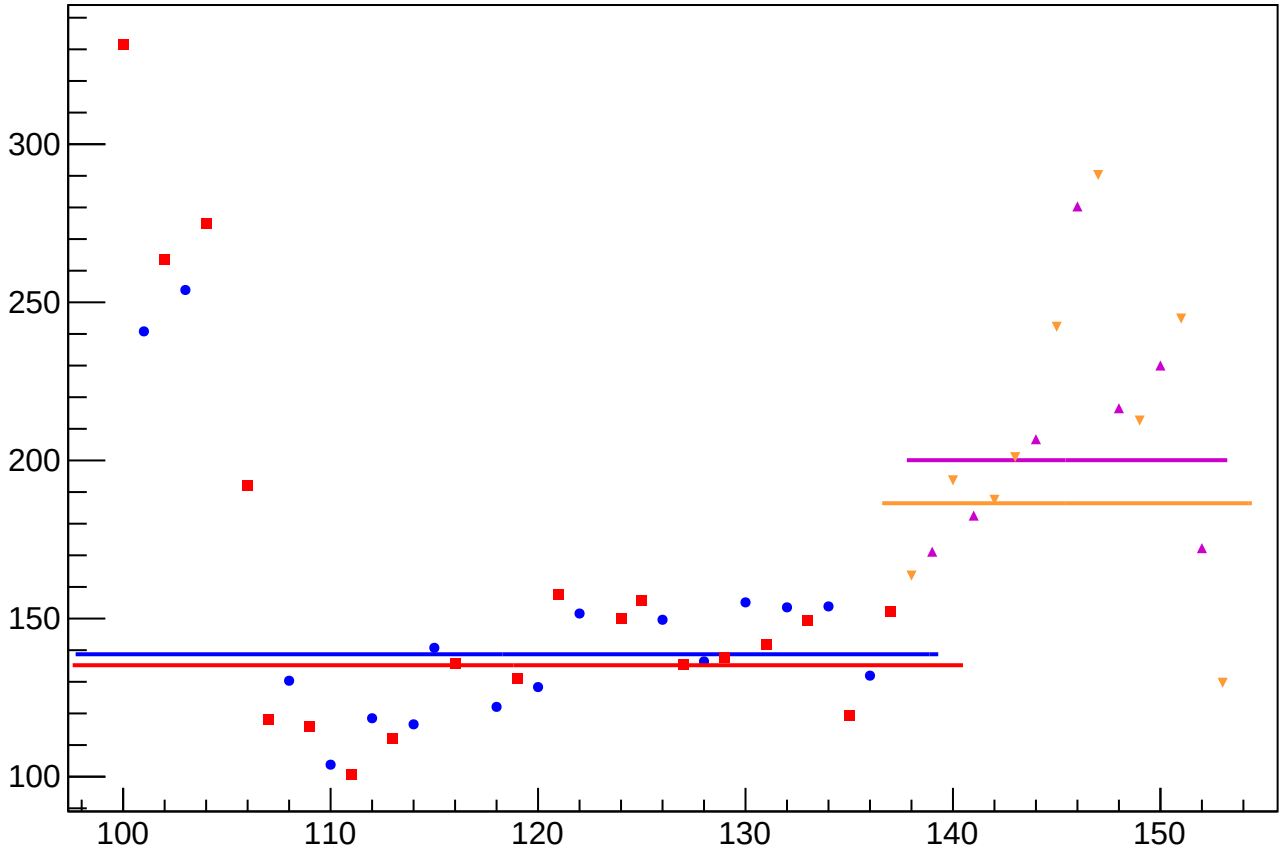
Left In: 11678.075+/-84.539 χ^2/NDF:7040.5/6

+ sign -434.900+/-43.652 χ^2/NDF: 36794.6/24

All: 3033.173+/-31.111 χ^2/NDF: 69410.7/50

- sign 6613.065+/-44.351 χ^2/NDF: 19788.8/25

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 186.465+/-0.052 χ^2/NDF:754538.6/8

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

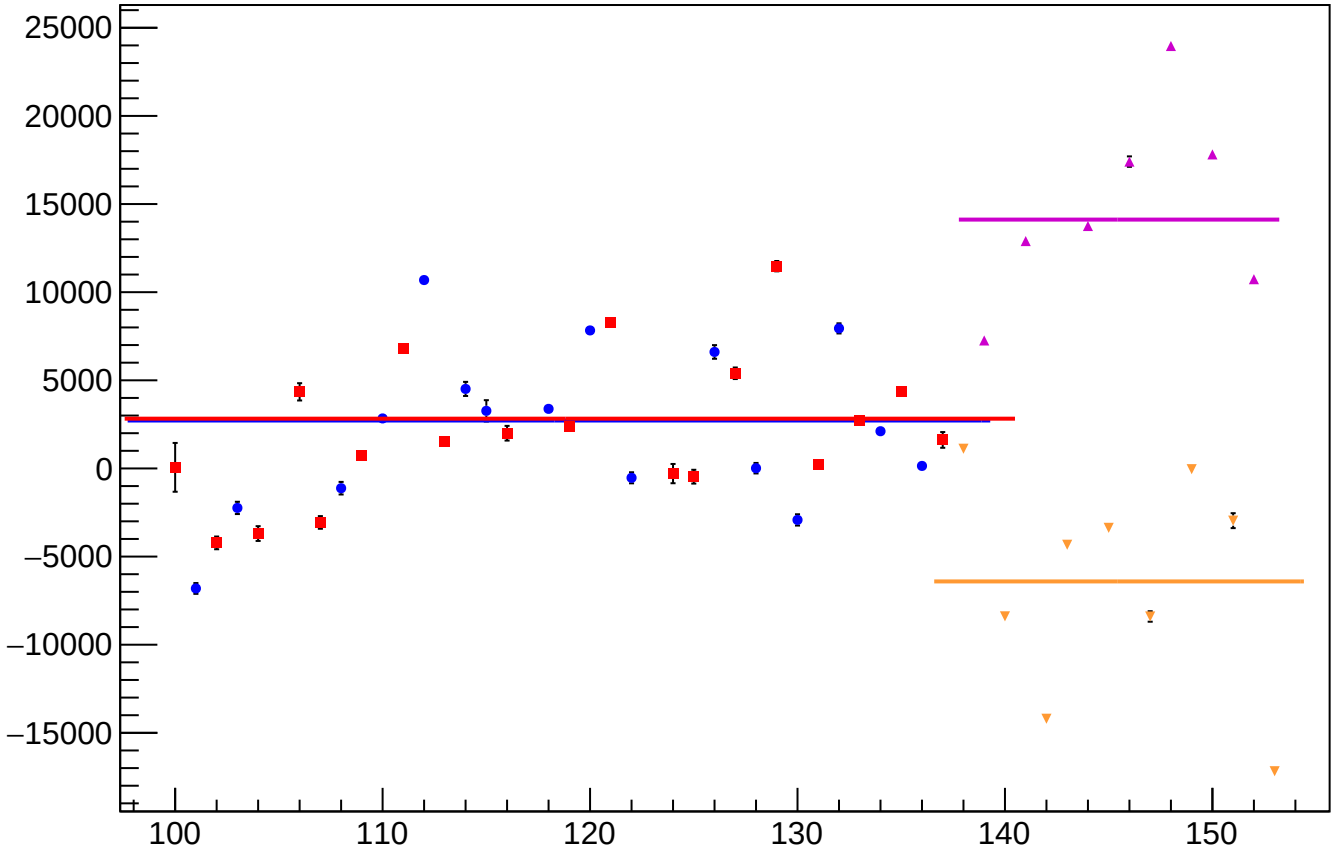
Left In: 200.081+/-0.060 χ^2/NDF:281794.4/6

+ sign 155.488+/-0.031 χ^2/NDF: 1957765.2/24

All: 154.308+/-0.022 χ^2/NDF: 3985158.7/50

- sign 153.089+/-0.031 χ^2/NDF: 2024422.1/25

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6409.805+/-80.726 χ^2/NDF:6268.0/8

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

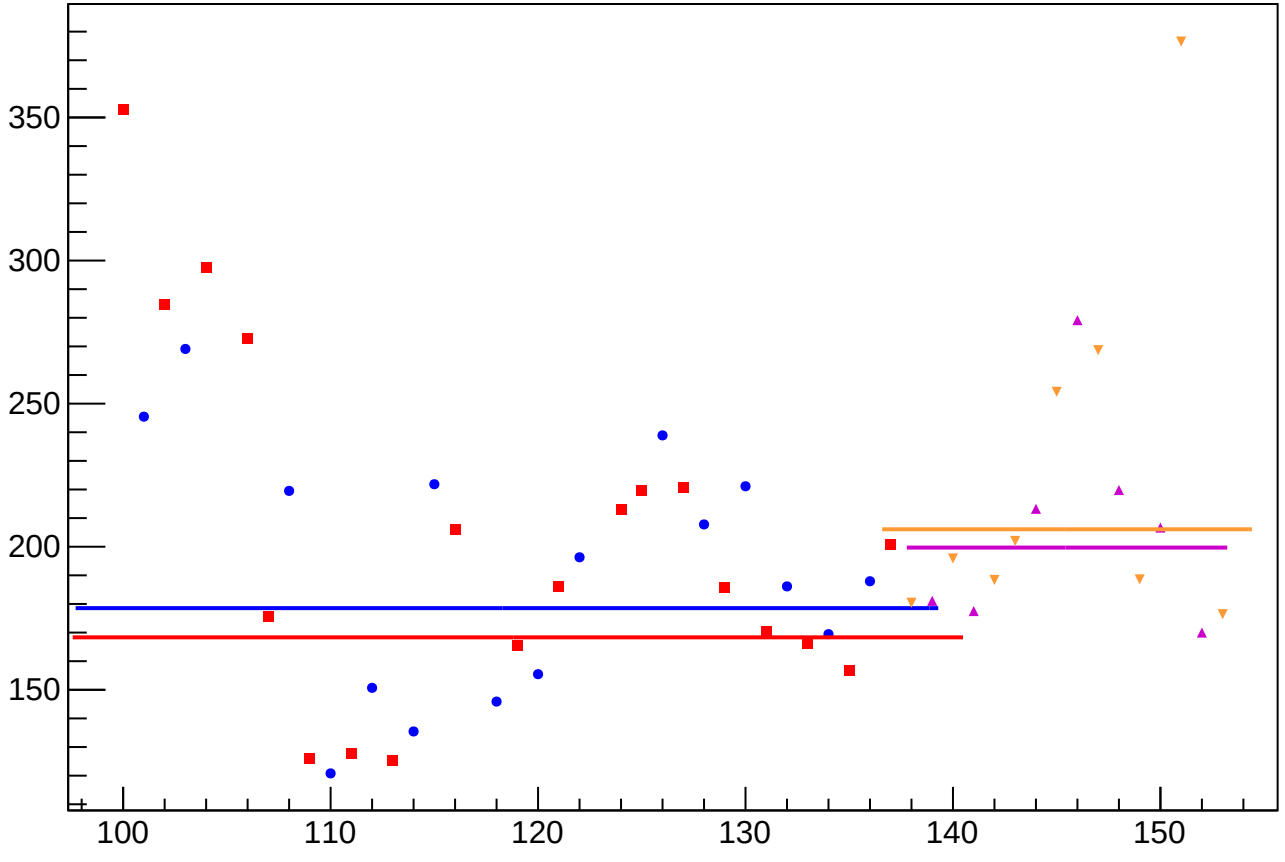
Left In: 14117.968+/-84.391 χ^2/NDF:3461.7/6

+ sign -1150.243+/-52.559 χ^2/NDF: 17765.8/24

All: 3022.676+/-36.756 χ^2/NDF: 47888.7/50

- sign 7016.901+/-51.421 χ^2/NDF: 17785.7/25

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 206.093+/-0.057 χ^2/NDF:570945.2/8

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

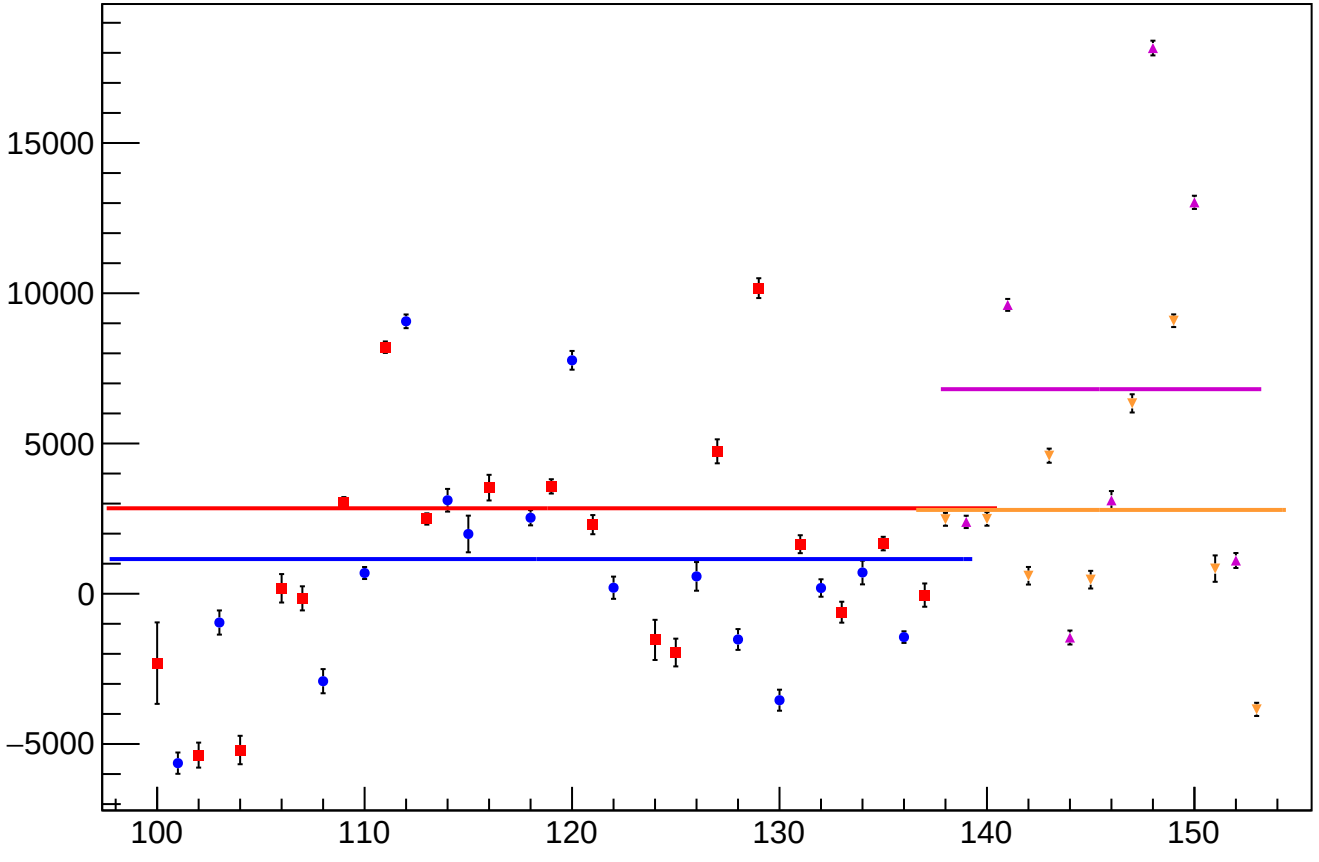
Left In: 199.700+/-0.060 χ^2/NDF:244889.7/6

+ sign 190.221+/-0.037 χ^2/NDF: 1379728.7/24

All: 184.988+/-0.026 χ^2/NDF: 2816600.2/50

- sign 179.980+/-0.036 χ^2/NDF: 1398076.7/25

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2789.374+/-84.016 χ^2/NDF:2139.1/8

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

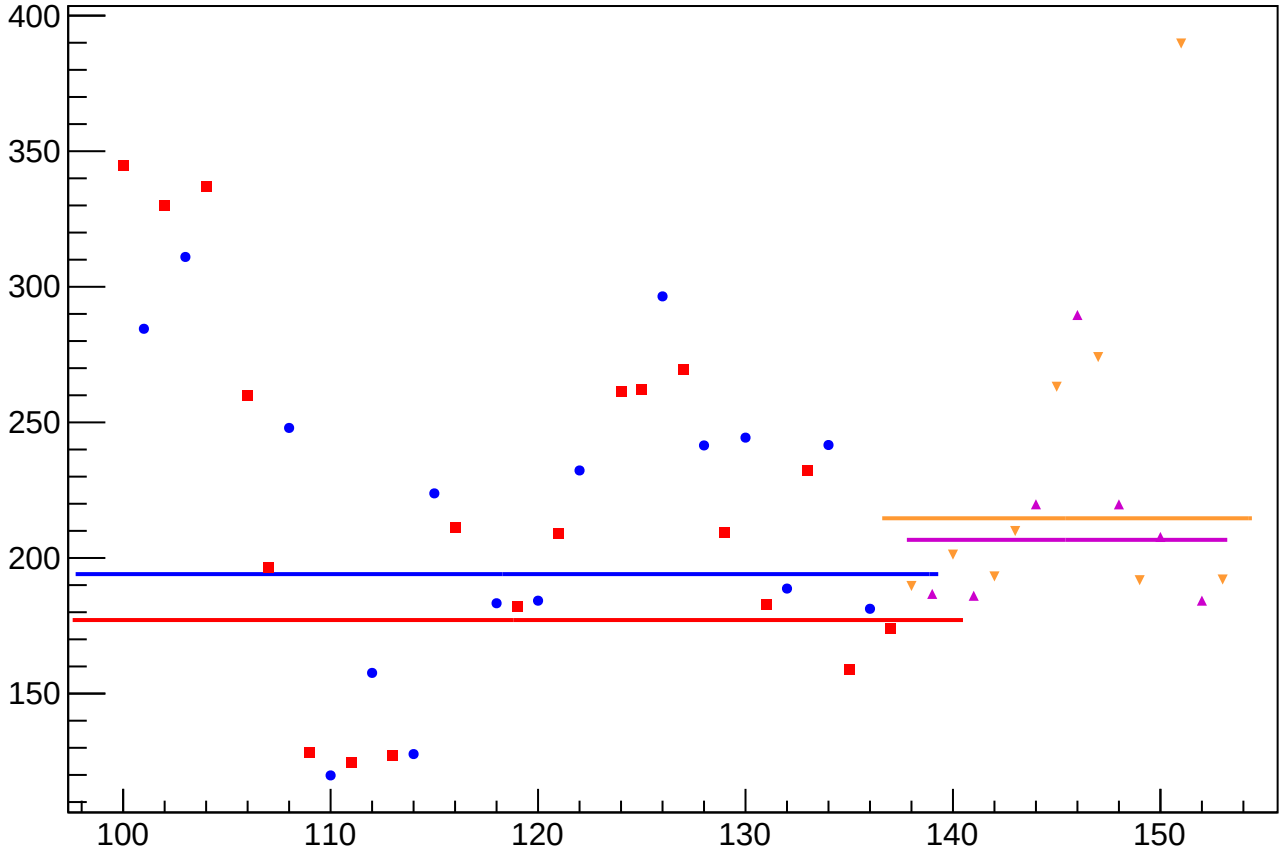
Left In: 6807.463+/-87.283 χ^2/NDF:5522.9/6

+ sign 1889.406+/-56.344 χ^2/NDF: 5003.0/24

All: 3178.947+/-39.060 χ^2/NDF: 15254.6/50

- sign 4372.037+/-54.196 χ^2/NDF: 9243.1/25

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.641+/-0.059 χ^2/NDF:538437.0/8

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

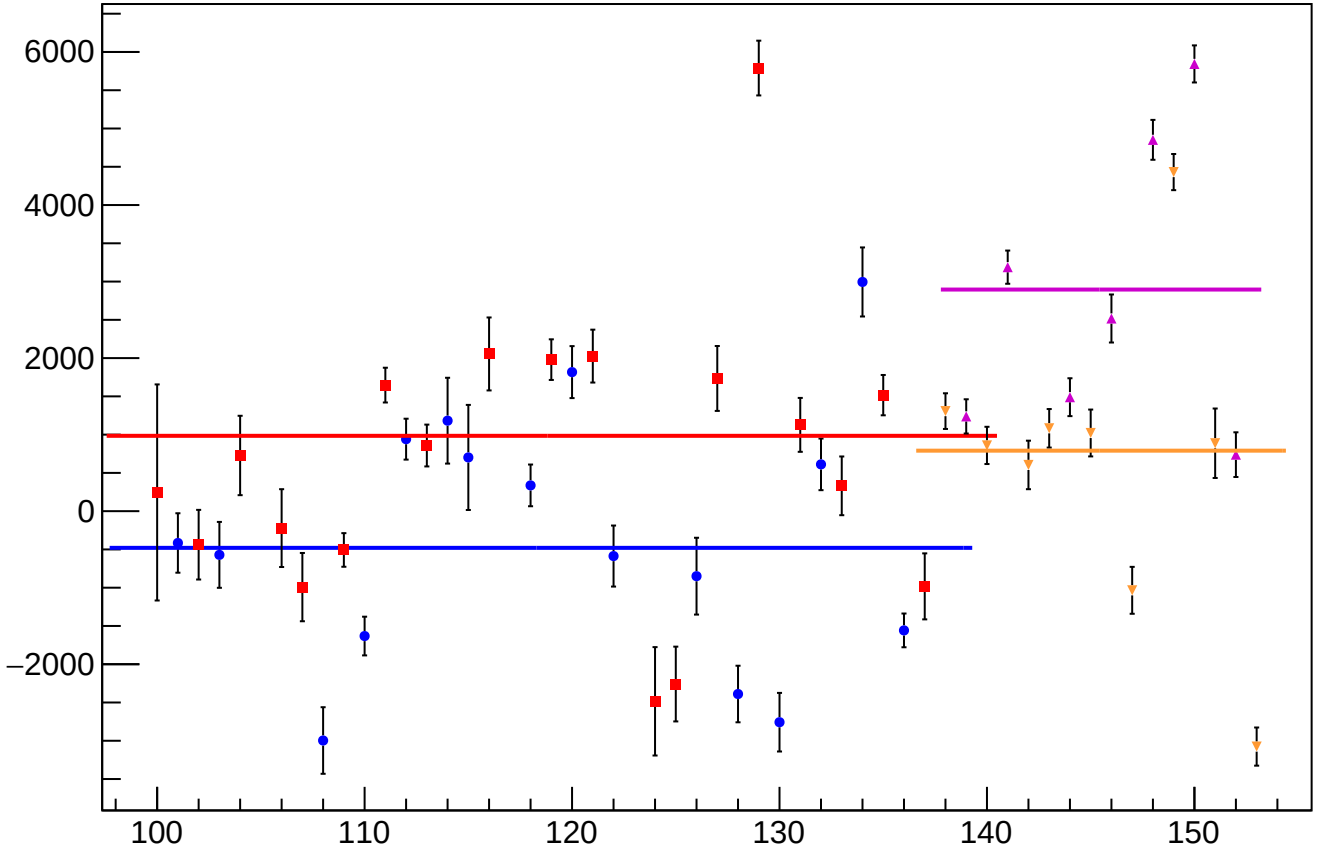
Left In: 206.690+/-0.062 χ^2/NDF:213463.8/6

+ sign 203.312+/-0.040 χ^2/NDF: 1570305.6/24

All: 195.628+/-0.028 χ^2/NDF: 3355837.1/50

- sign 188.518+/-0.038 χ^2/NDF: 1713907.6/25

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 790.518+/-90.824 χ^2/NDF:521.0/8

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

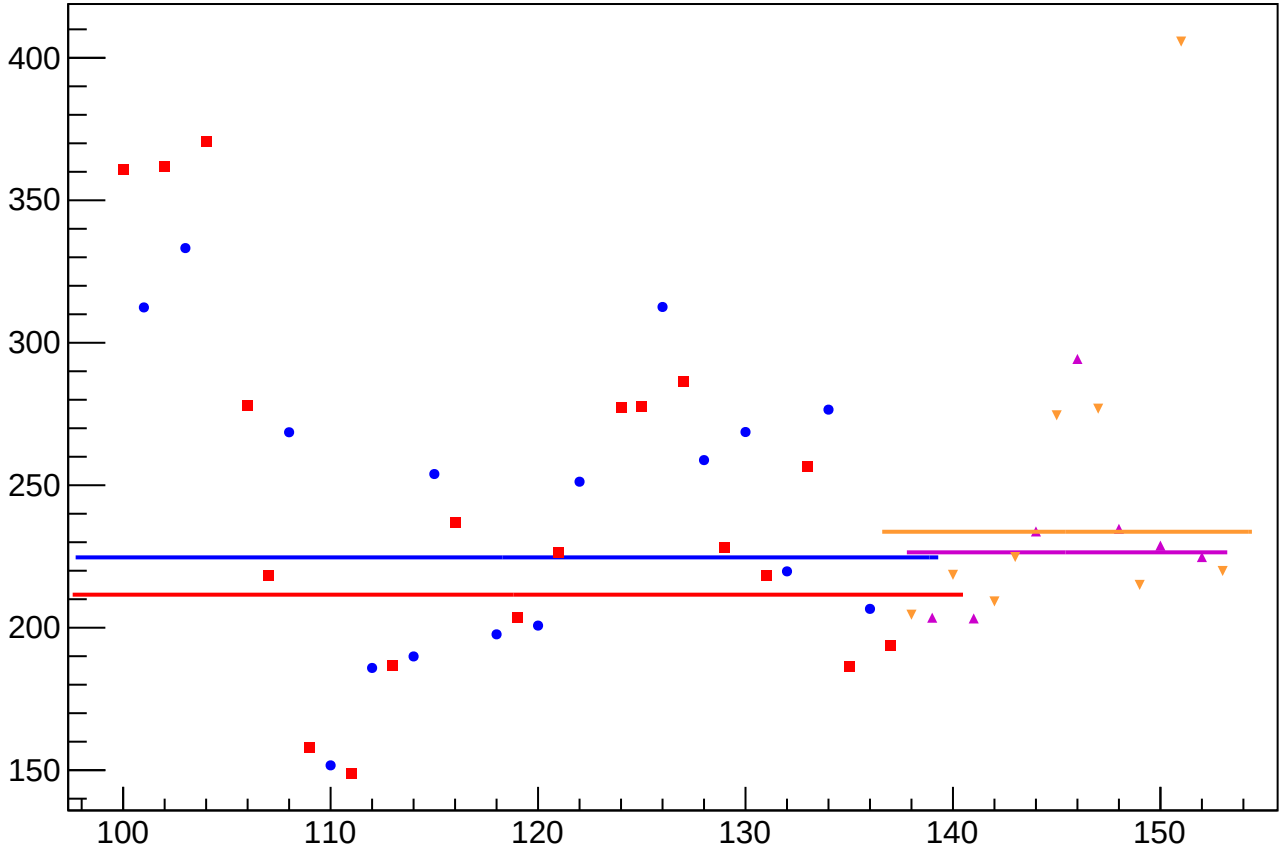
Left In: 2895.724+/-94.814 χ^2/NDF:349.5/6

+ sign 126.015+/-62.708 χ^2/NDF: 928.7/24

All: 973.467+/-43.930 χ^2/NDF: 2270.0/50

- sign 1790.236+/-61.562 χ^2/NDF: 982.7/25

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.680+/-0.064 χ^2/NDF:434672.8/8

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

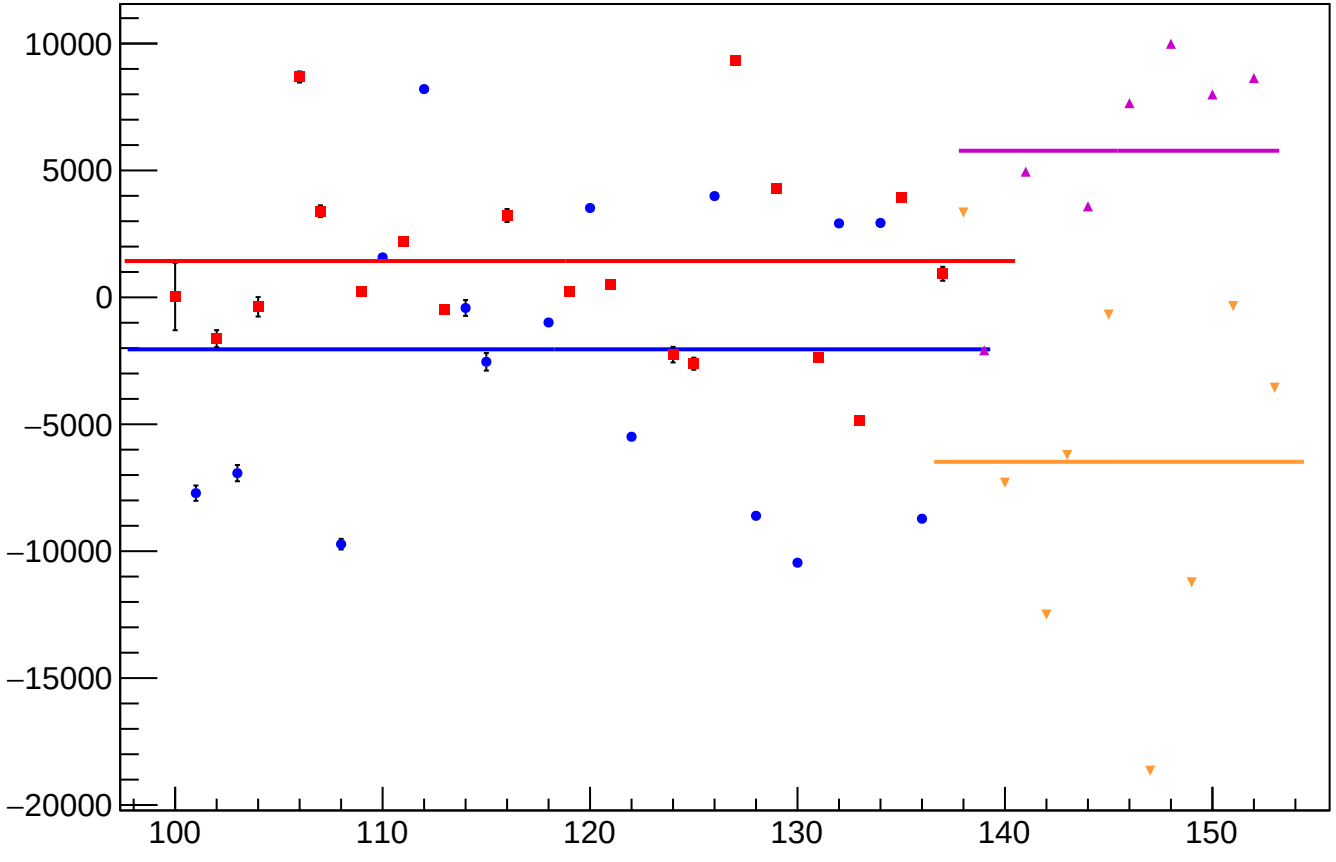
Left In: 226.452+/-0.067 χ^2/NDF:141511.9/6

+ sign 228.971+/-0.044 χ^2/NDF: 1098136.4/24

All: 223.313+/-0.031 χ^2/NDF: 2232942.5/50

- sign 217.859+/-0.044 χ^2/NDF: 1102821.0/25

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -6478.394+/-43.098 χ^2/NDF:23481.0/8

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

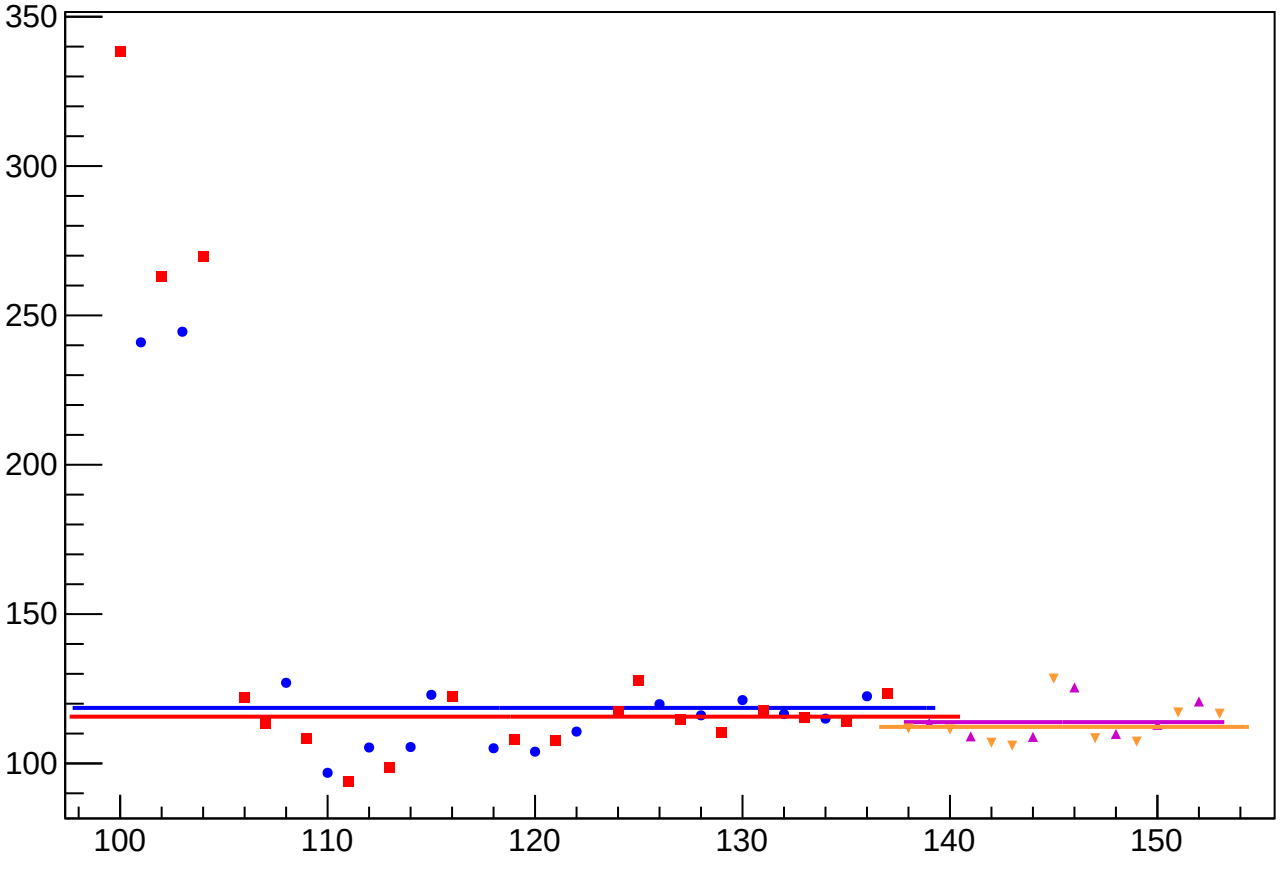
Left In: 5776.871+/-46.669 χ^2/NDF:6476.5/6

+ sign -4441.302+/-31.679 χ^2/NDF: 45049.8/24

All: -540.530+/-22.614 χ^2/NDF: 93347.2/50

- sign 3512.749+/-32.292 χ^2/NDF: 17380.1/25

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 112.229+/-0.030 χ^2/NDF:43184.1/8

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

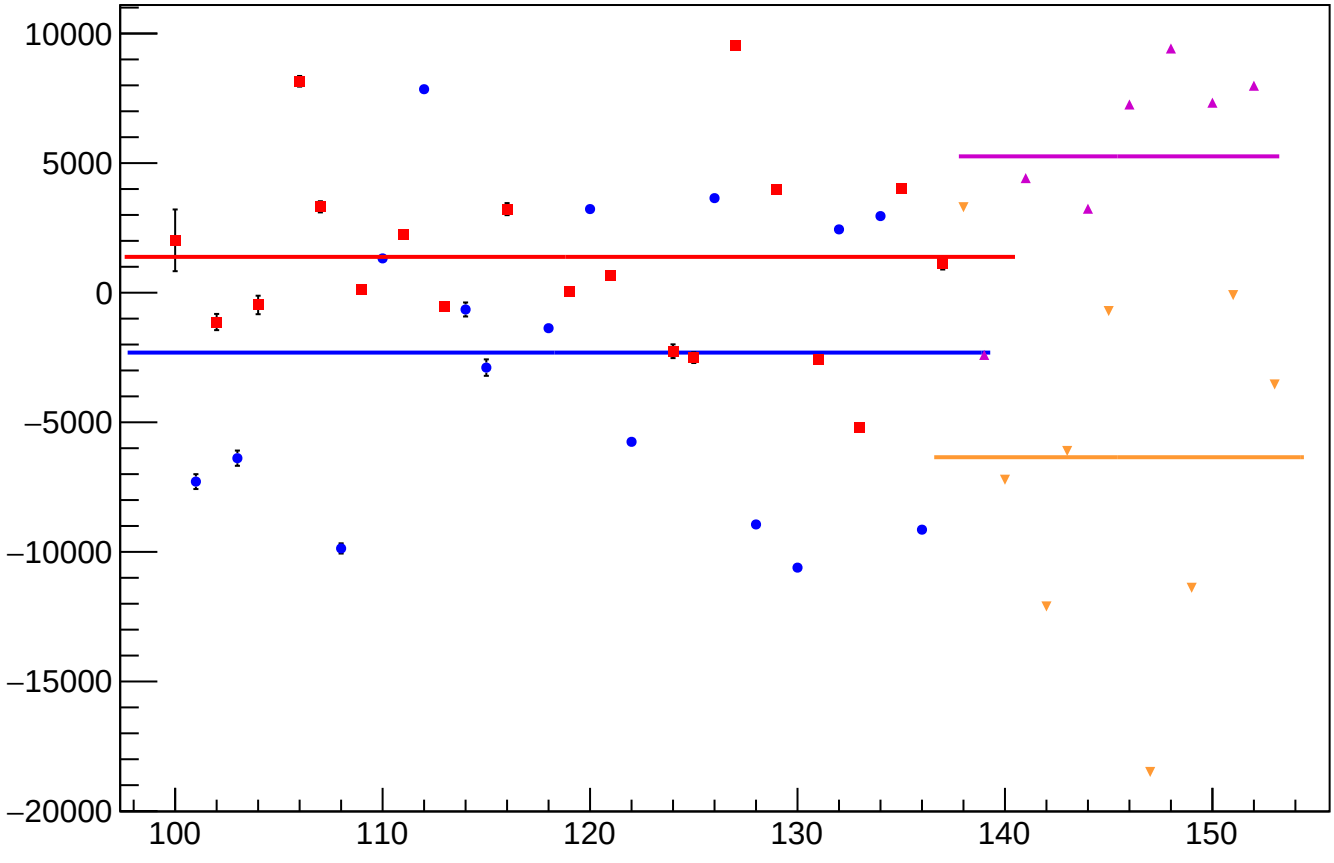
Left In: 113.836+/-0.033 χ^2/NDF:29788.9/6

+ sign 115.156+/-0.022 χ^2/NDF: 797408.5/24

All: 114.975+/-0.016 χ^2/NDF: 1693129.8/50

- sign 114.786+/-0.023 χ^2/NDF: 895587.7/25

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -6347.384+/-39.132 χ^2/NDF:28016.0/8

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

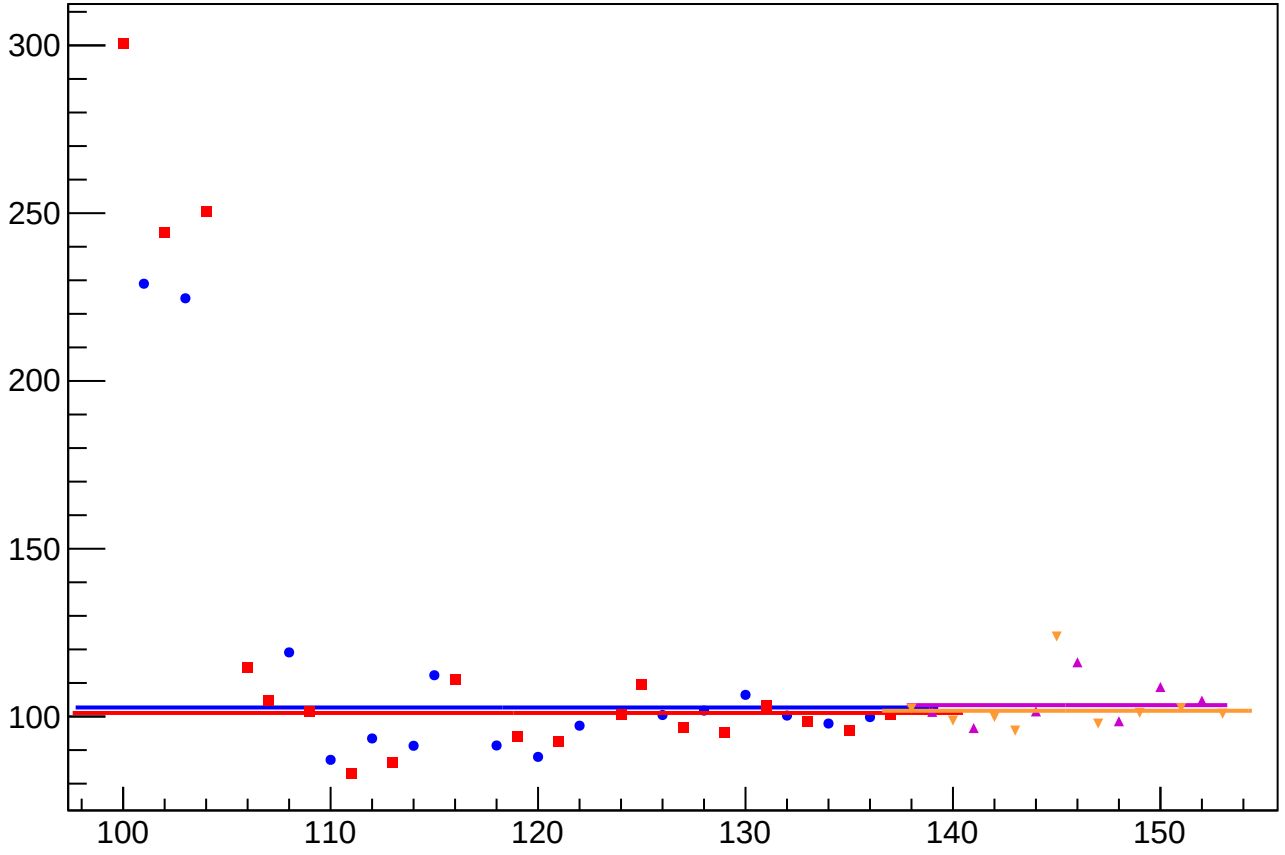
Left In: 5260.527+/-42.449 χ^2/NDF:7582.4/6

+ sign -4409.949+/-28.220 χ^2/NDF: 54803.0/24

All: -702.210+/-20.175 χ^2/NDF: 110765.4/50

- sign 3174.234+/-28.855 χ^2/NDF: 20651.7/25

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 101.714+/-0.028 χ^2/NDF:60502.6/8

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

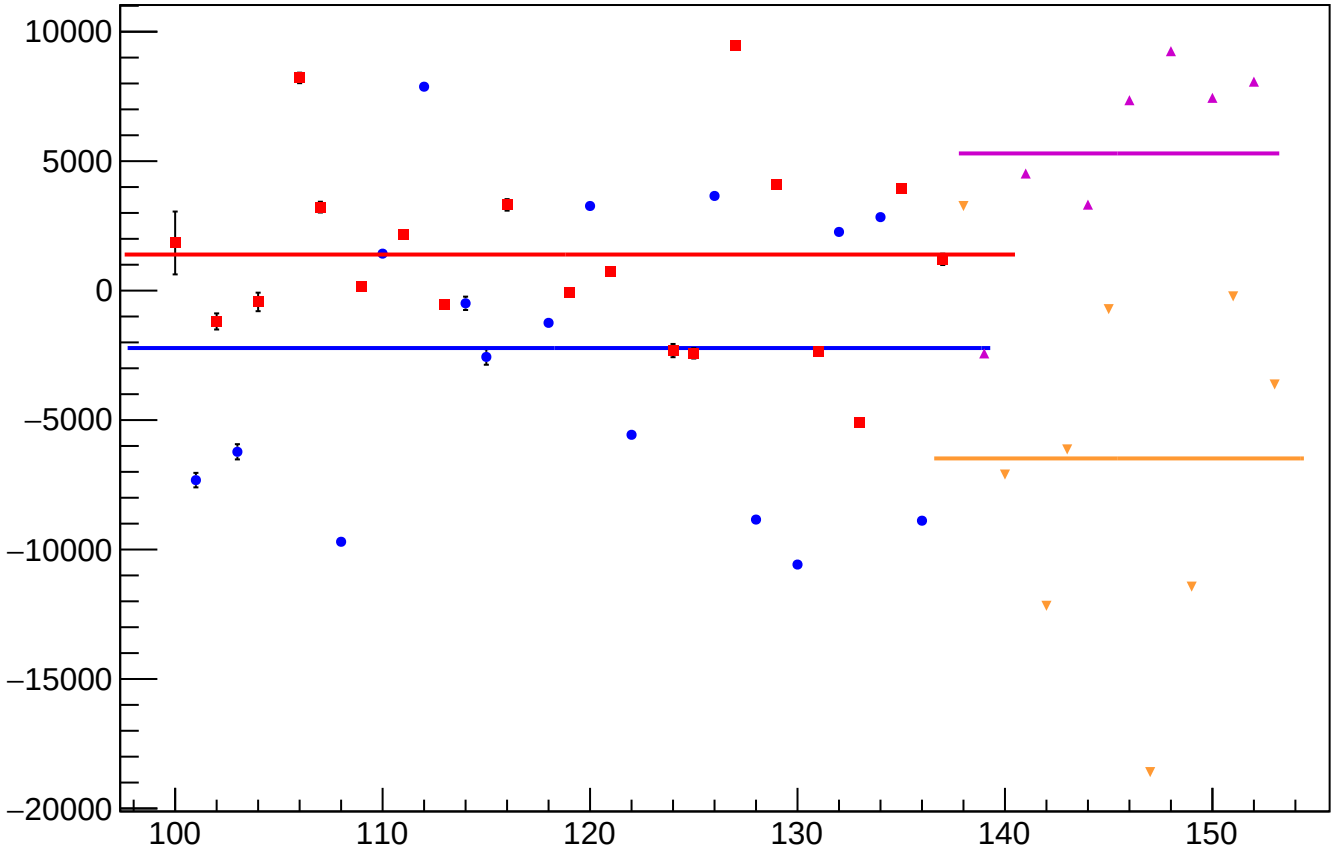
Left In: 103.397+/-0.030 χ^2/NDF:39439.3/6

\+ sign 102.184+/-0.020 χ^2/NDF: 886905.9/24

All: 102.163+/-0.014 χ^2/NDF: 1860056.9/50

\- sign 102.142+/-0.020 χ^2/NDF: 973148.8/25

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -6481.542+/-38.027 χ^2/NDF:30353.9/8

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

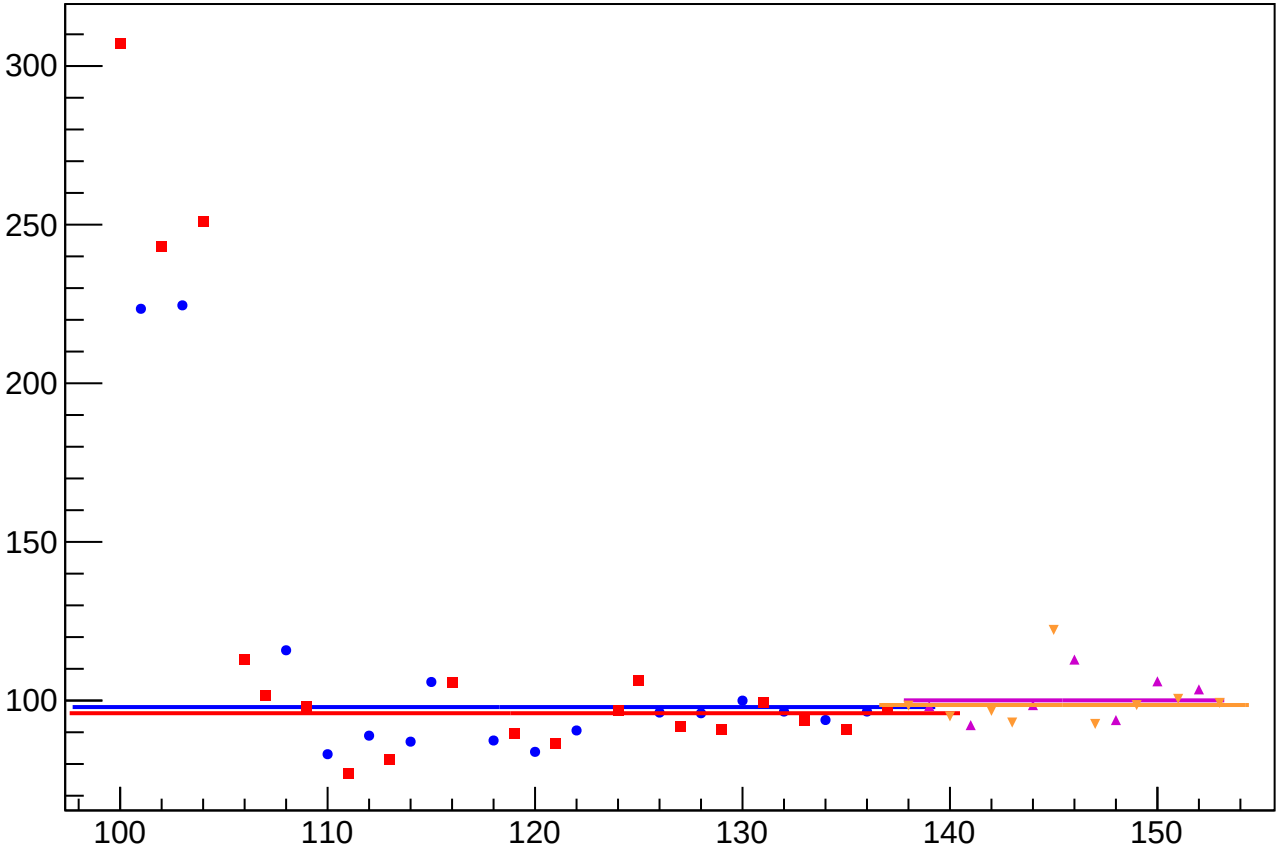
Left In: 5298.219+/-41.192 χ^2/NDF:8027.9/6

+ sign -4405.743+/-27.240 χ^2/NDF: 59514.7/24

All: -691.212+/-19.444 χ^2/NDF: 119508.8/50

- sign 3167.184+/-27.762 χ^2/NDF: 22083.8/25

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 98.591+/-0.027 χ^2/NDF:73848.9/8

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

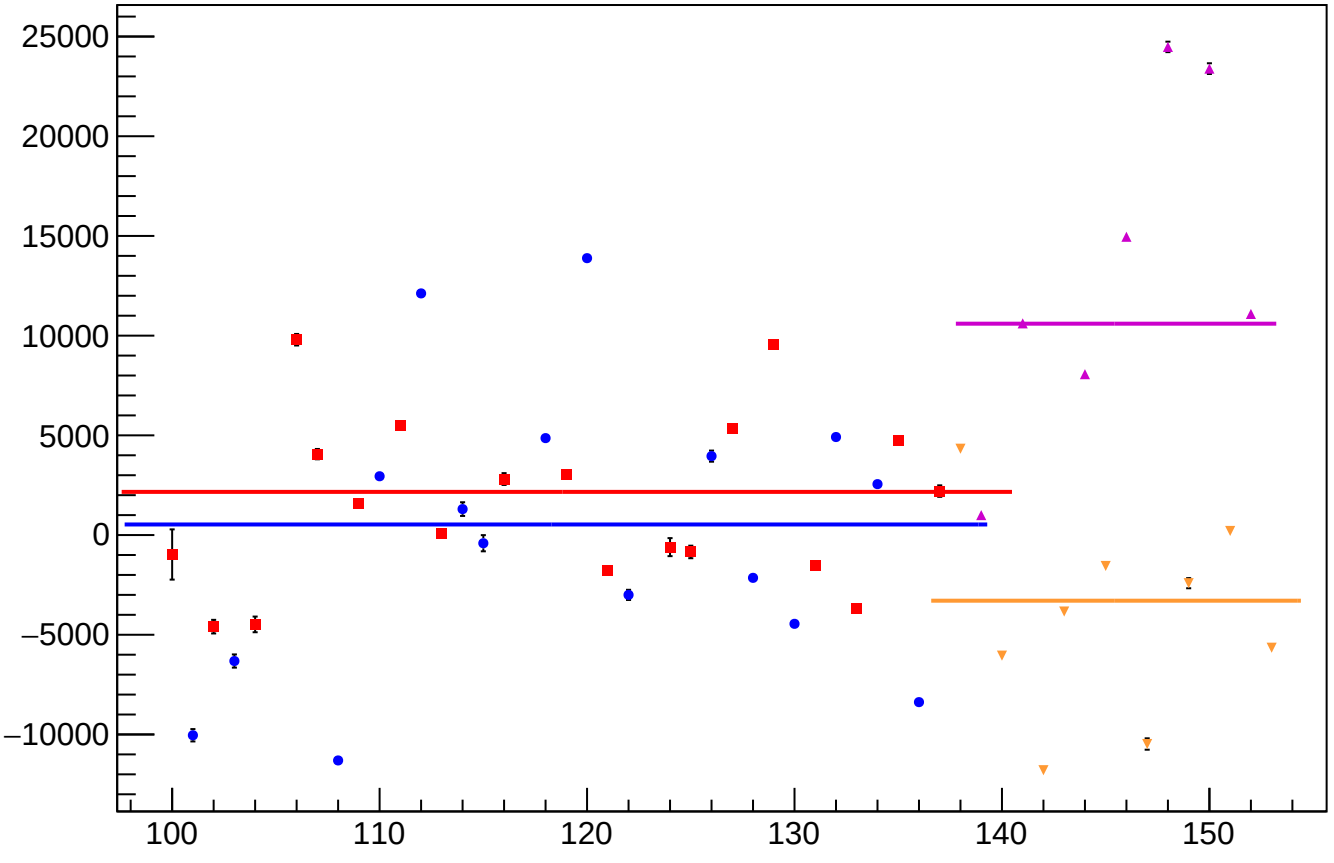
Left In: 100.059+/-0.029 χ^2/NDF:50311.7/6

+ sign 98.276+/-0.019 χ^2/NDF: 942279.2/24

All: 98.065+/-0.014 χ^2/NDF: 2015696.2/50

- sign 97.846+/-0.020 χ^2/NDF: 1073173.5/25

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -3291.768+/-61.698 χ^2/NDF:5402.8/8

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

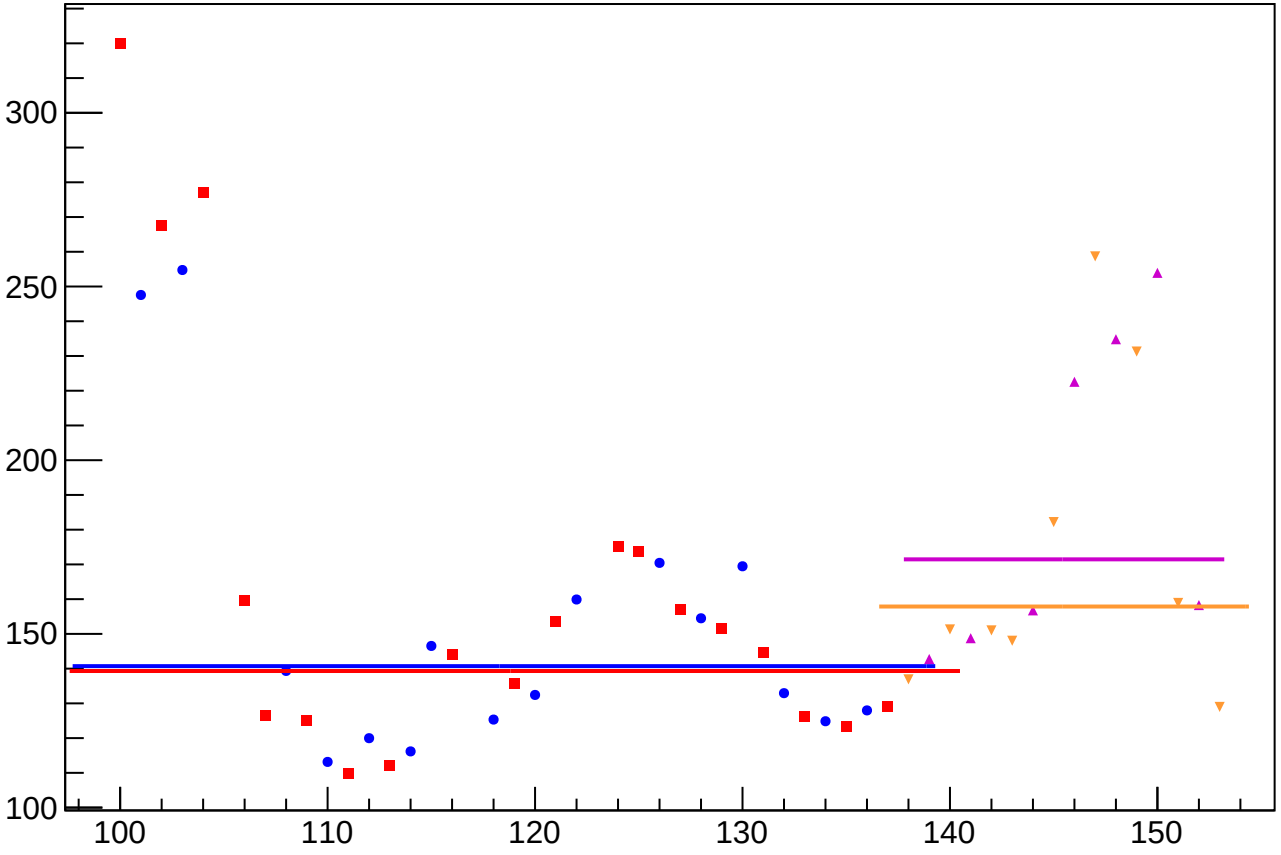
Left In: 10599.621+/-71.846 χ^2/NDF:9329.0/6

+ sign -1156.956+/-40.995 χ^2/NDF: 26134.0/24

All: 1864.071+/-29.635 χ^2/NDF: 60675.8/50

- sign 5170.630+/-42.888 χ^2/NDF: 23167.2/25

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 157.879+/-0.044 χ^2/NDF:574638.1/8

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

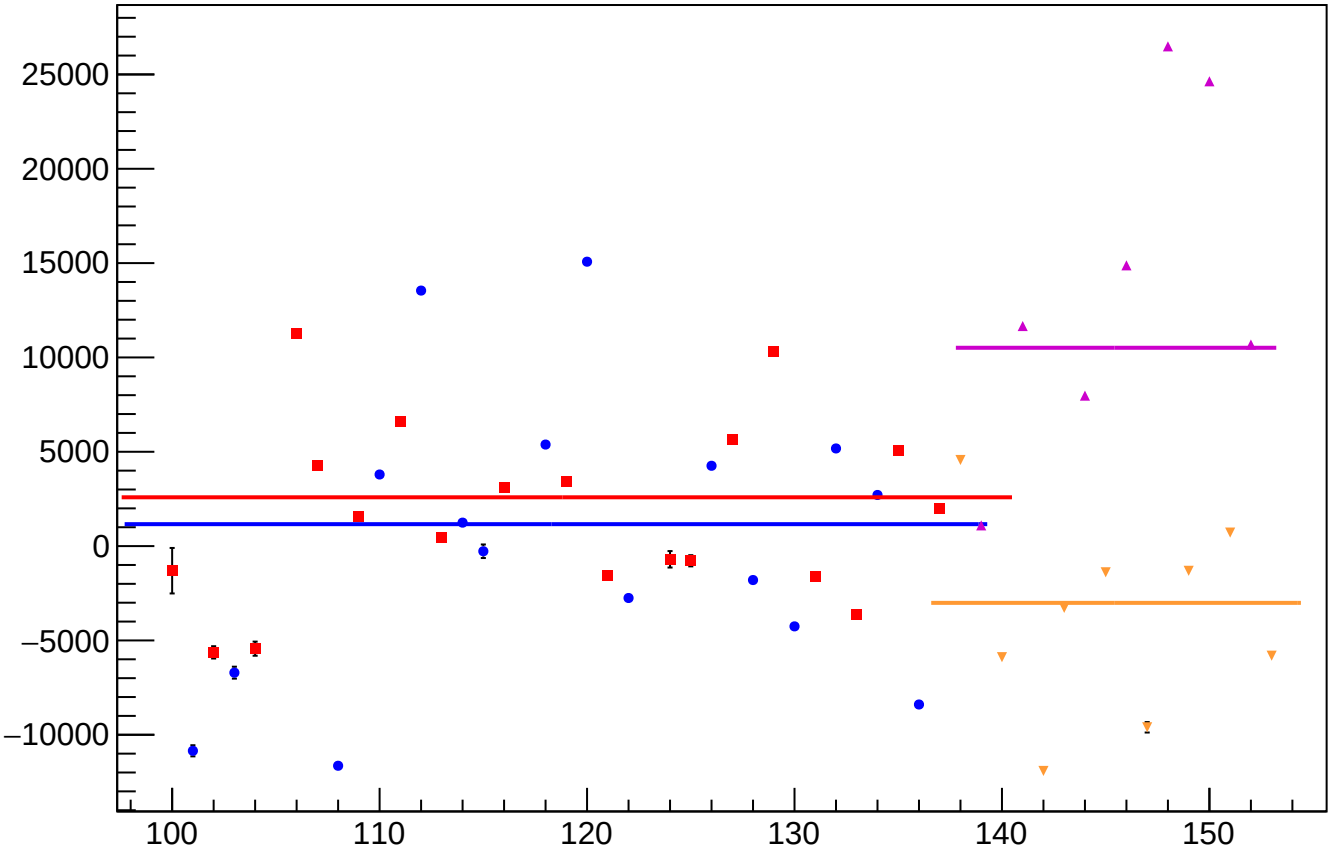
Left In: 171.459+/-0.051 χ^2/NDF:532540.9/6

+ sign 148.293+/-0.029 χ^2/NDF: 1336701.5/24

All: 149.476+/-0.021 χ^2/NDF: 2932683.4/50

- sign 150.770+/-0.030 χ^2/NDF: 1592493.8/25

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -3008.557+/-54.807 χ^2/NDF:7213.5/8

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

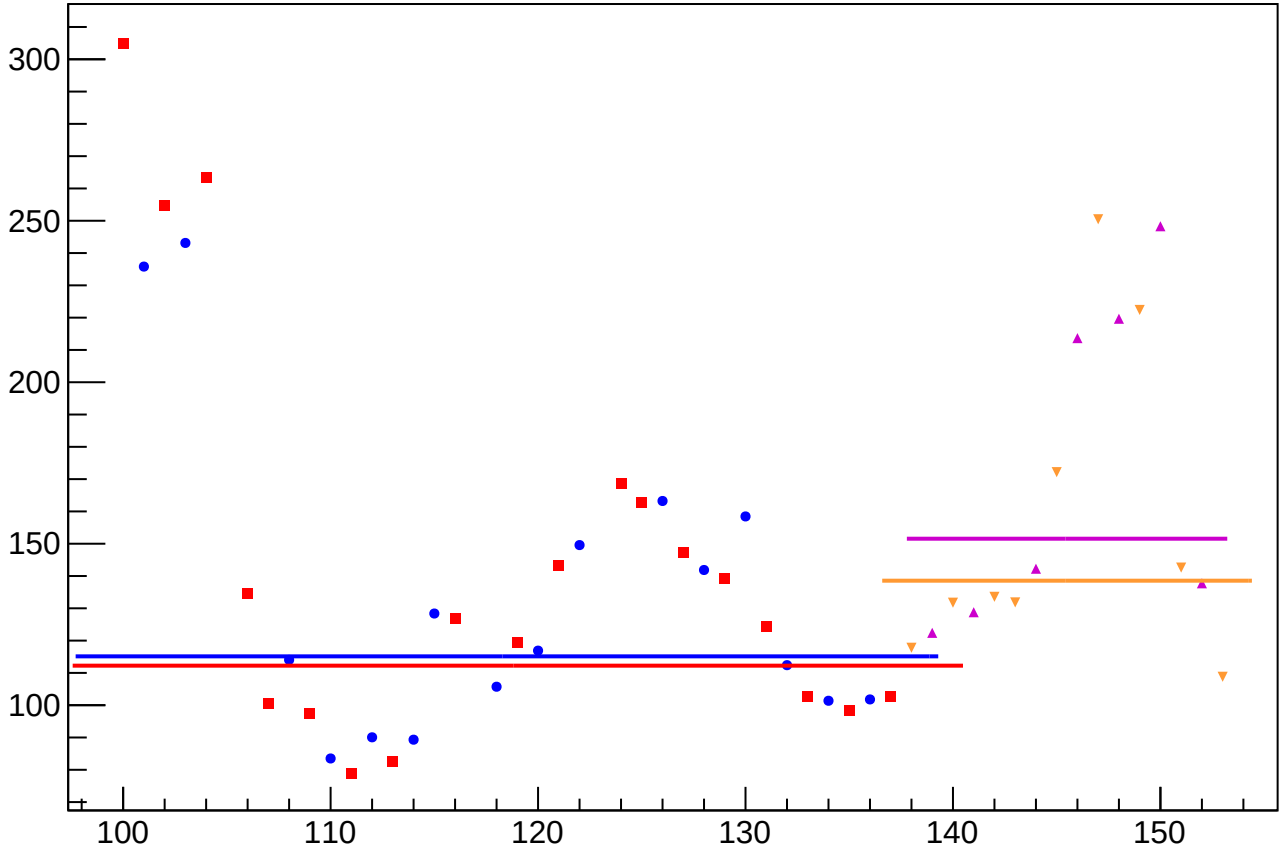
Left In: 10512.619+/-64.459 χ^2/NDF:12549.3/6

+ sign -558.033+/-35.203 χ^2/NDF: 41371.0/24

All: 2182.360+/-25.333 χ^2/NDF: 84864.5/50

- sign 5125.962+/-36.485 χ^2/NDF: 30924.2/25

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 138.553+/-0.039 χ^2/NDF:802974.8/8

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

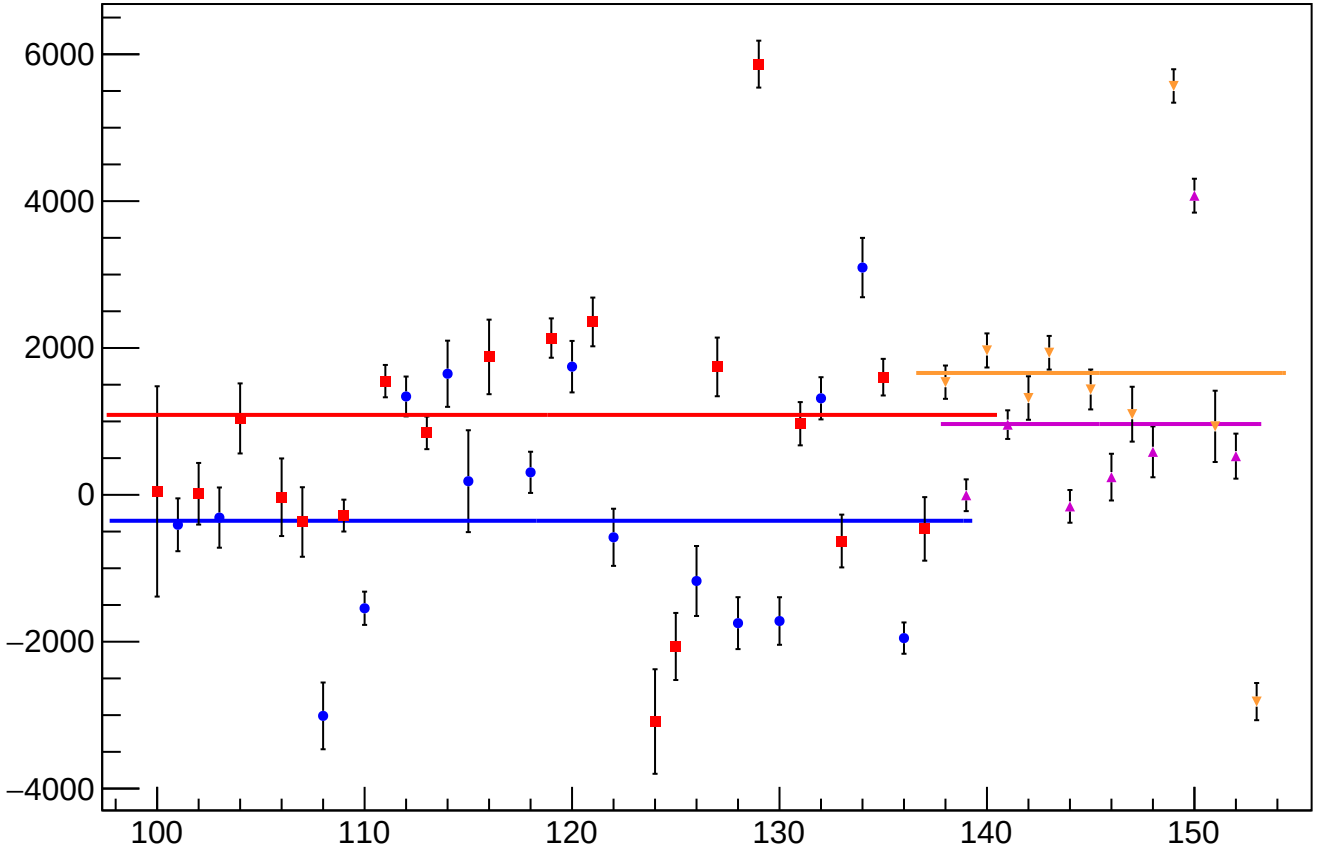
Left In: 151.552+/-0.046 χ^2/NDF:742139.9/6

+ sign 124.791+/-0.025 χ^2/NDF: 2130632.3/24

All: 124.812+/-0.018 χ^2/NDF: 4706468.3/50

- sign 124.835+/-0.026 χ^2/NDF: 2575834.4/25

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1659.759+/-88.292 χ^2/NDF:616.9/8

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

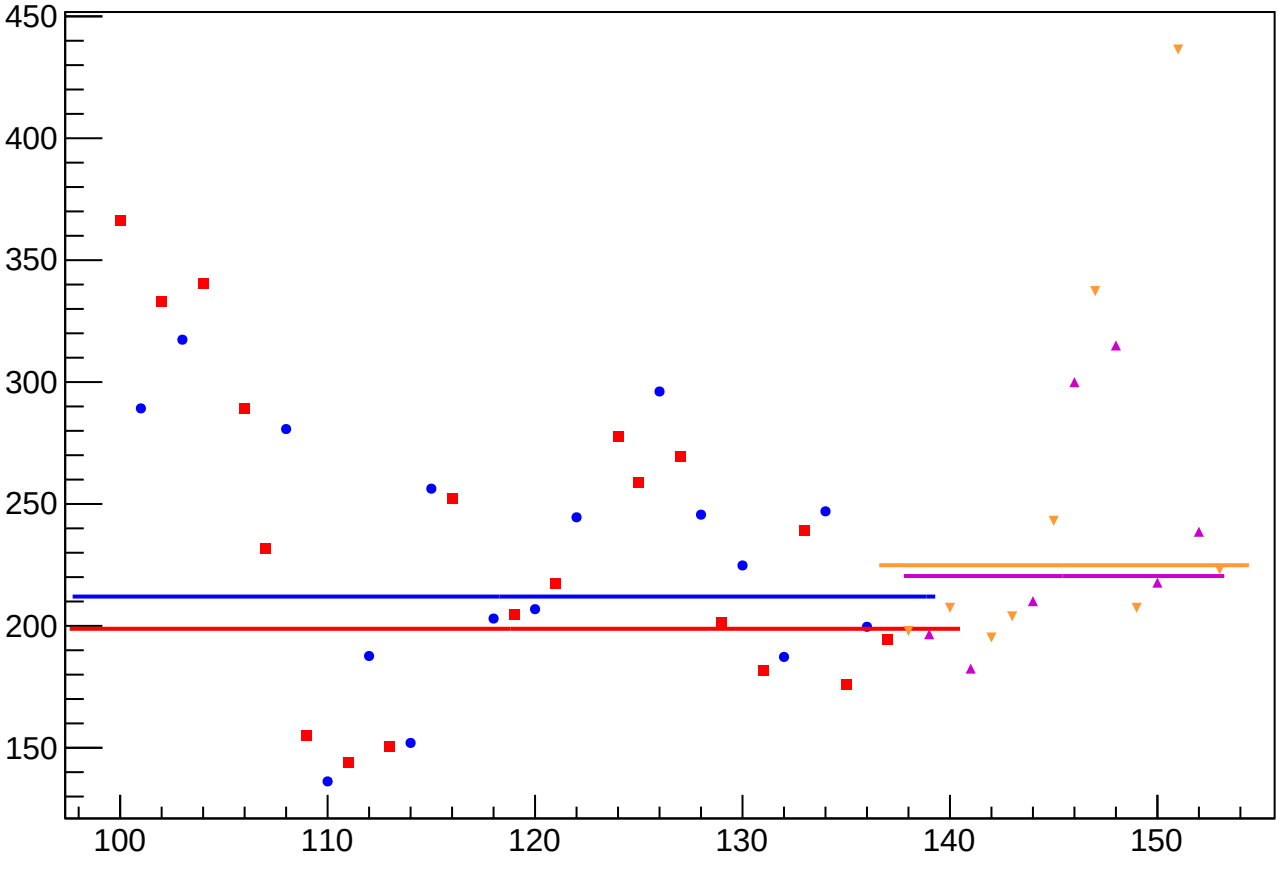
Left In: 964.450+/-93.069 χ^2/NDF:235.6/6

+ sign 580.695+/-60.138 χ^2/NDF: 1257.3/24

All: 813.779+/-42.142 χ^2/NDF: 1970.7/50

- sign 1038.676+/-59.072 χ^2/NDF: 683.9/25

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 224.873+/-0.062 χ^2/NDF:658042.4/8

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

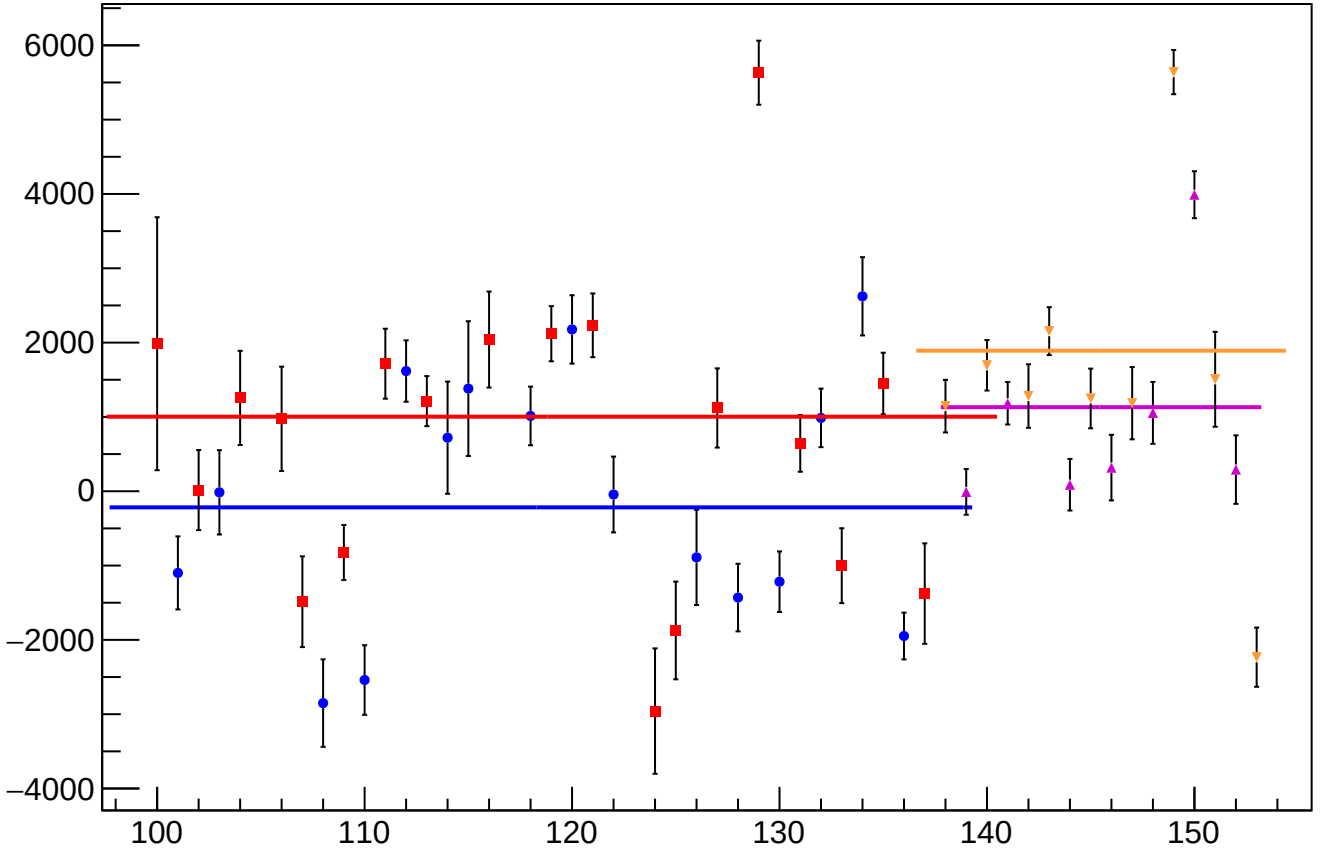
Left In: 220.442+/-0.066 χ^2/NDF:385543.5/6

+ sign 217.987+/-0.043 χ^2/NDF: 1371095.5/24

All: 212.662+/-0.030 χ^2/NDF: 2826899.4/50

- sign 207.524+/-0.042 χ^2/NDF: 1424993.6/25

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1891.391+/-126.747 χ^2/NDF:278.6/8

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

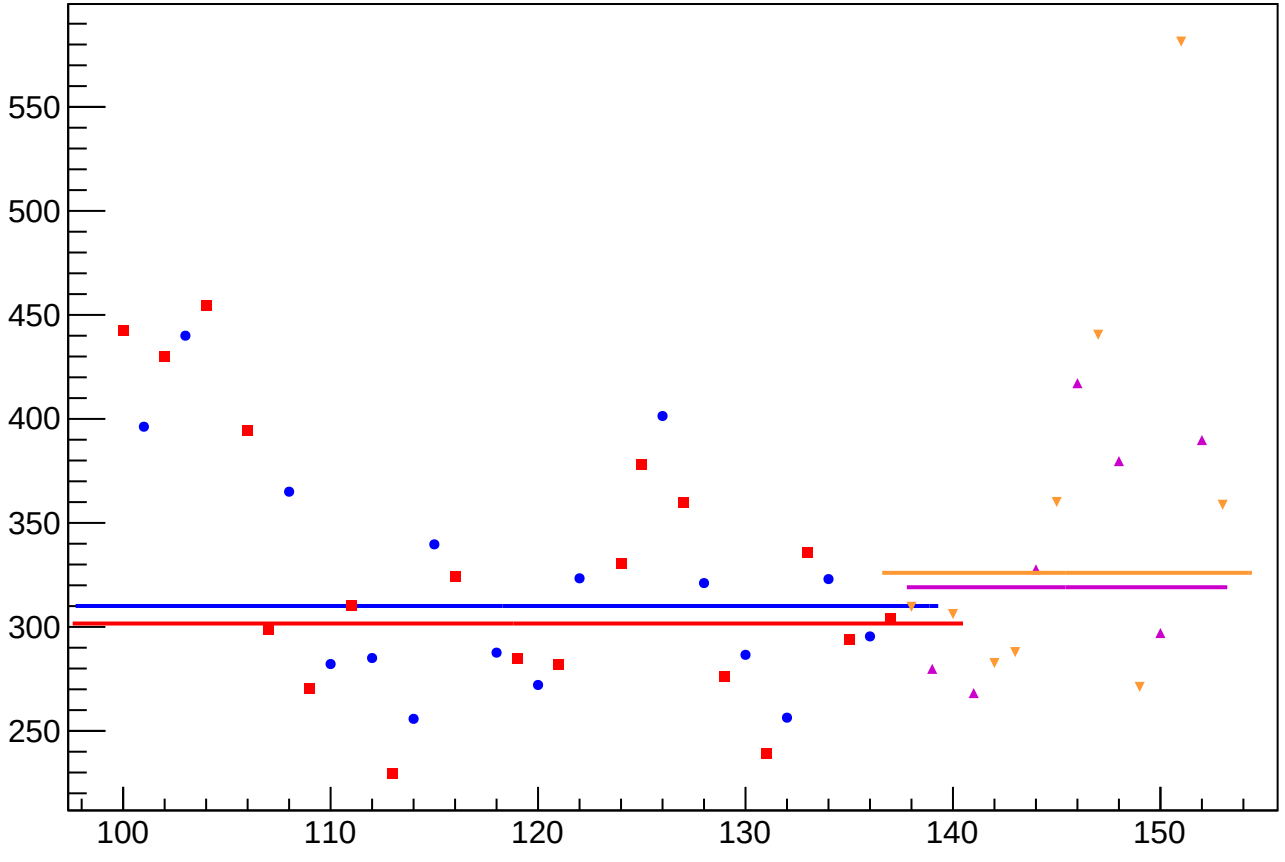
Left In: 1131.318+/-132.733 χ^2/NDF:111.5/6

+ sign 760.966+/-86.321 χ^2/NDF: 619.2/24

All: 909.383+/-60.957 χ^2/NDF: 991.5/50

- sign 1057.010+/-86.091 χ^2/NDF: 366.4/25

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 326.005+/-0.090 χ^2/NDF:586302.7/8

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

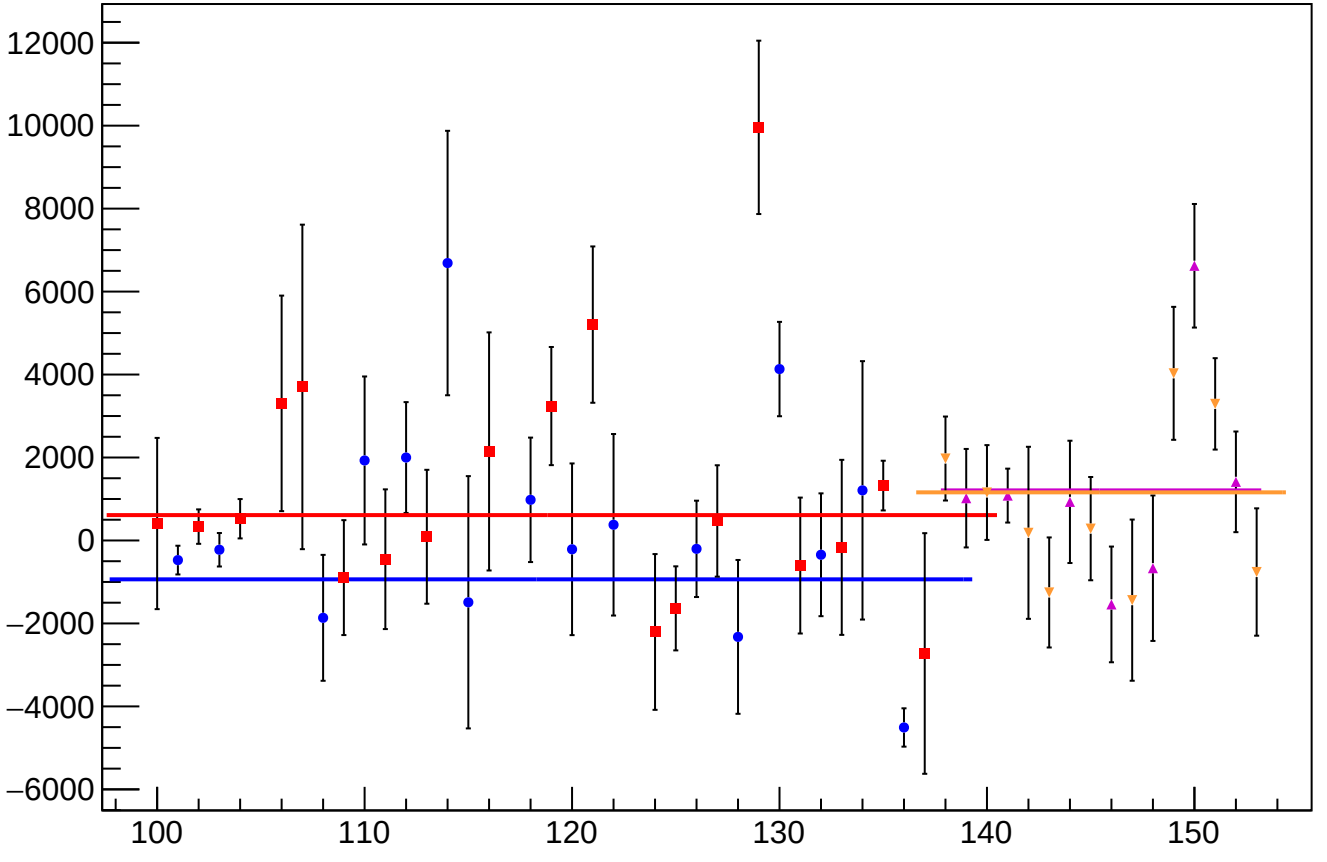
Left In: 319.079+/-0.094 χ^2/NDF:295334.1/6

+ sign 317.457+/-0.061 χ^2/NDF: 926552.6/24

All: 313.204+/-0.043 χ^2/NDF: 1771462.9/50

- sign 308.974+/-0.061 χ^2/NDF: 835228.7/25

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1160.086+/-443.222 χ^2/NDF:15.0/8

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

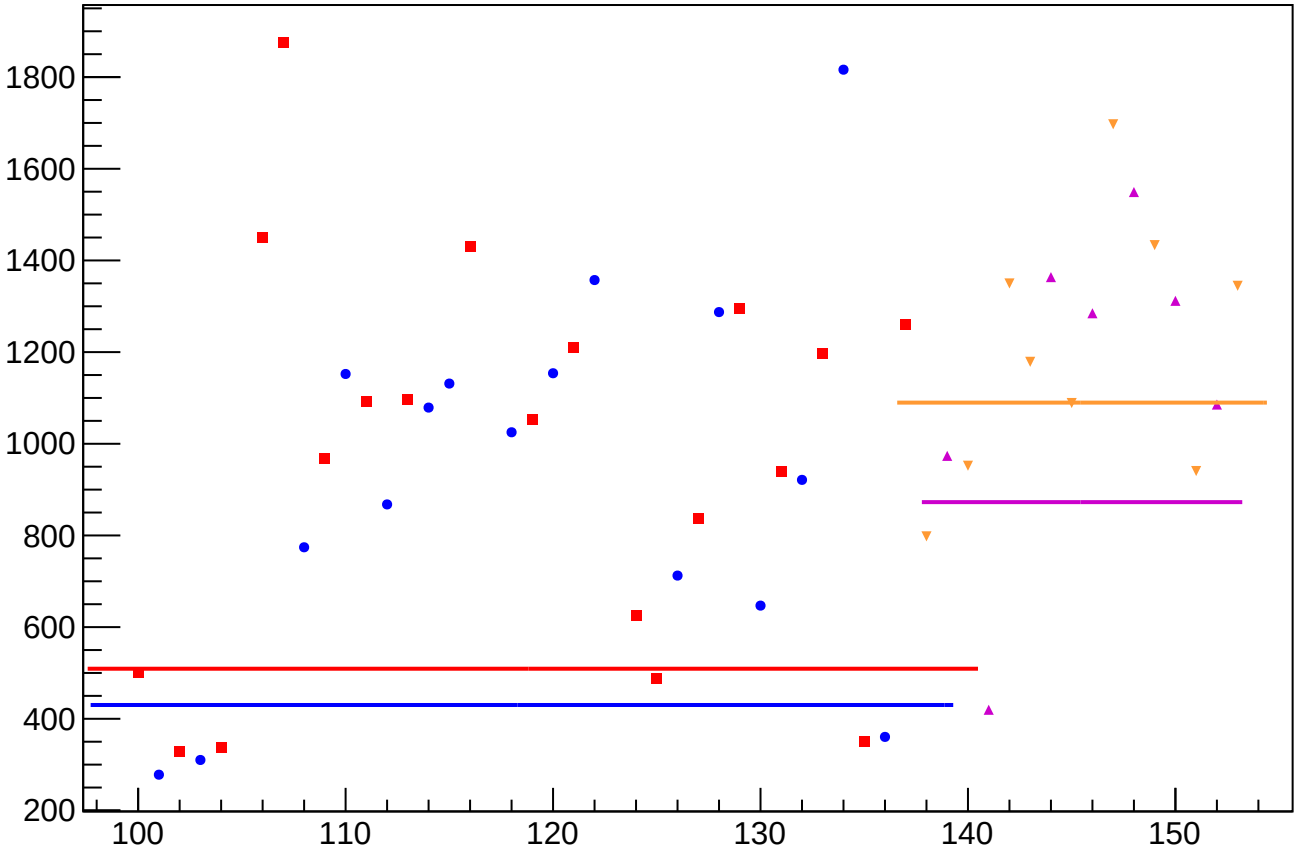
Left In: 1207.093+/-426.171 χ^2/NDF:18.4/6

+ sign -568.236+/-185.850 χ^2/NDF: 134.6/24

All: 27.391+/-137.549 χ^2/NDF: 221.3/50

- sign 748.821+/-204.538 χ^2/NDF: 64.0/25

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1089.835+/-0.313 χ^2/NDF:614844.3/8

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

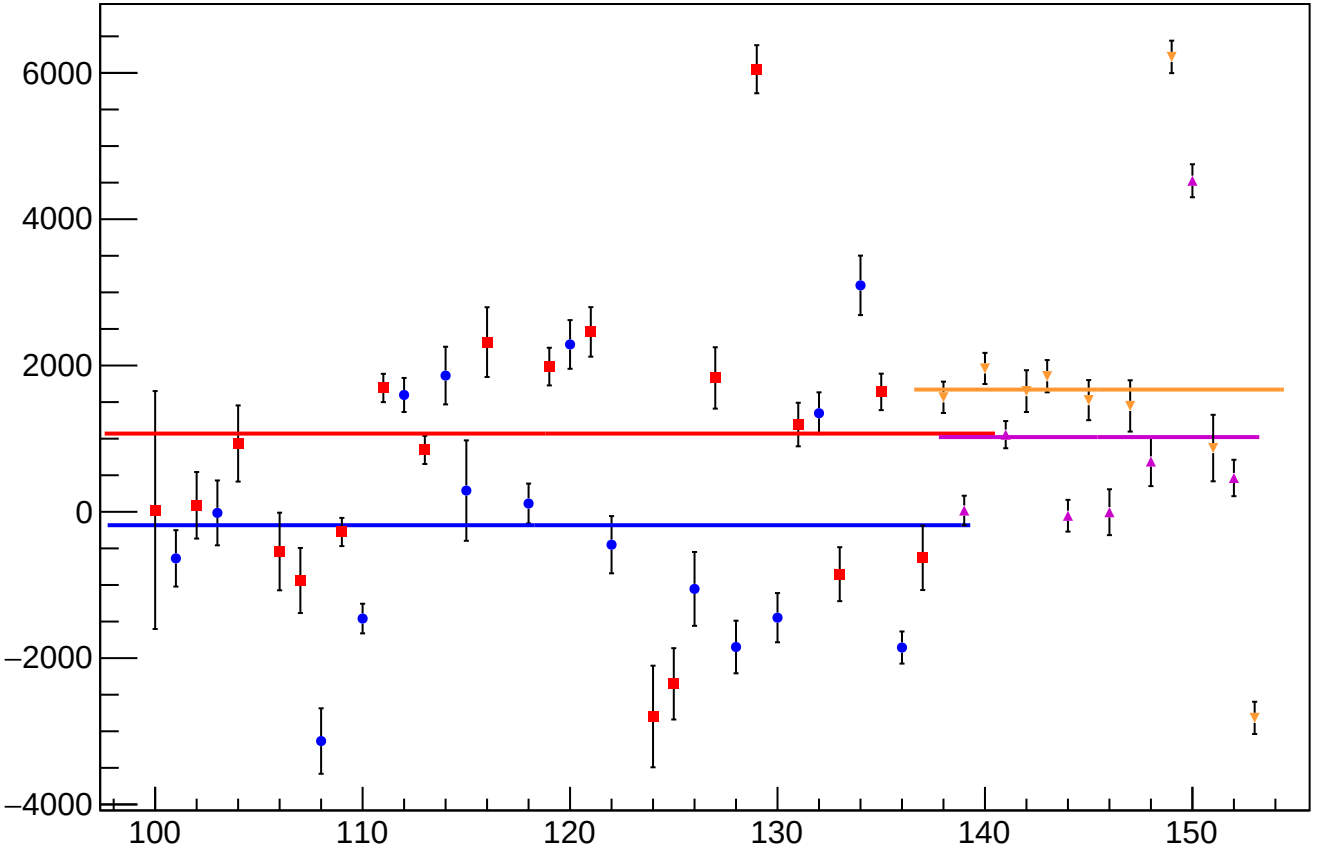
Left In: 872.701+/-0.301 χ^2/NDF:1915411.5/6

+ sign 546.107+/-0.131 χ^2/NDF: 7788713.9/24

All: 567.295+/-0.097 χ^2/NDF: 14554687.8/50

- sign 592.958+/-0.145 χ^2/NDF: 6708494.2/25

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1671.151+/-83.374 χ^2/NDF:840.5/8

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

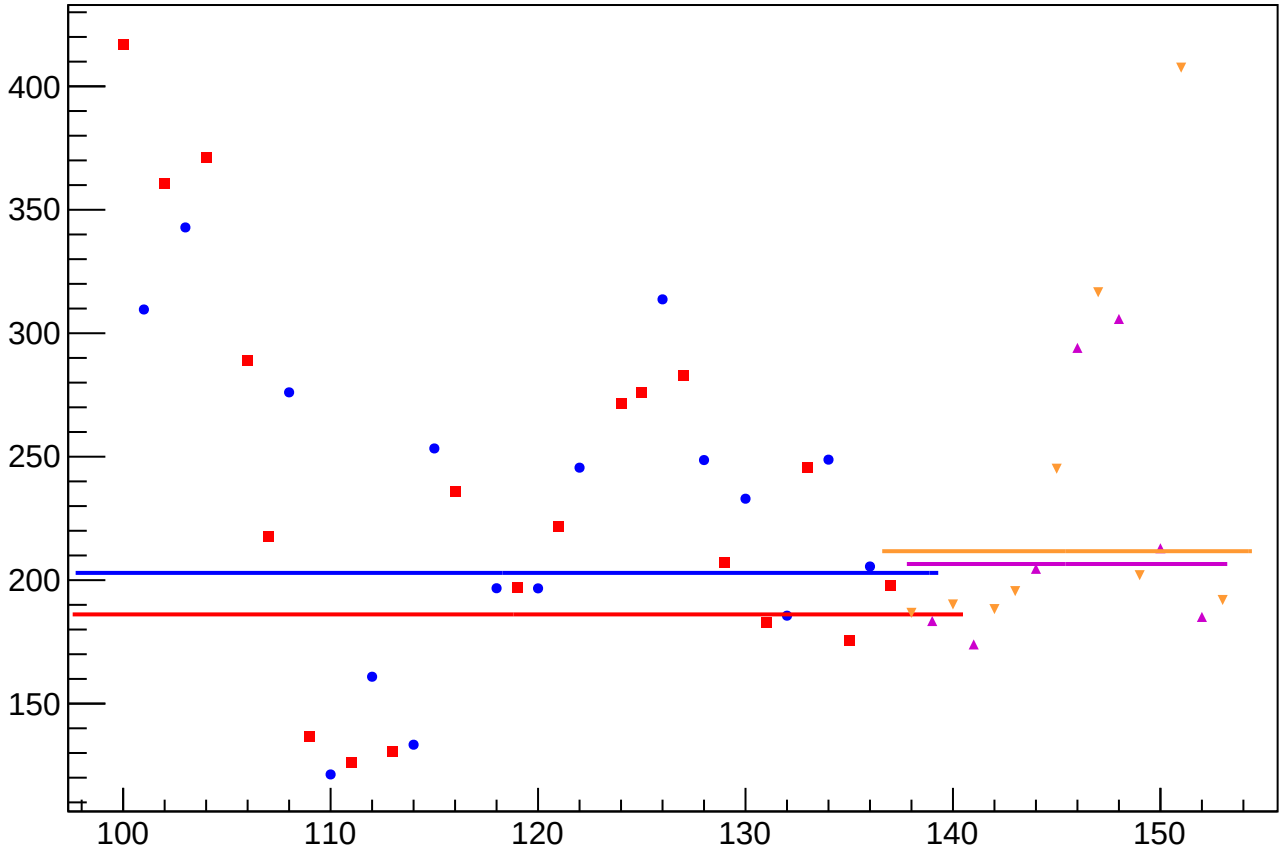
Left In: 1021.742+/-87.904 χ^2/NDF:307.2/6

+ sign 704.210+/-57.673 χ^2/NDF: 1516.2/24

All: 881.679+/-40.245 χ^2/NDF: 2334.2/50

- sign 1050.123+/-56.187 χ^2/NDF: 799.6/25

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 211.726+/-0.059 χ^2/NDF:671678.1/8

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

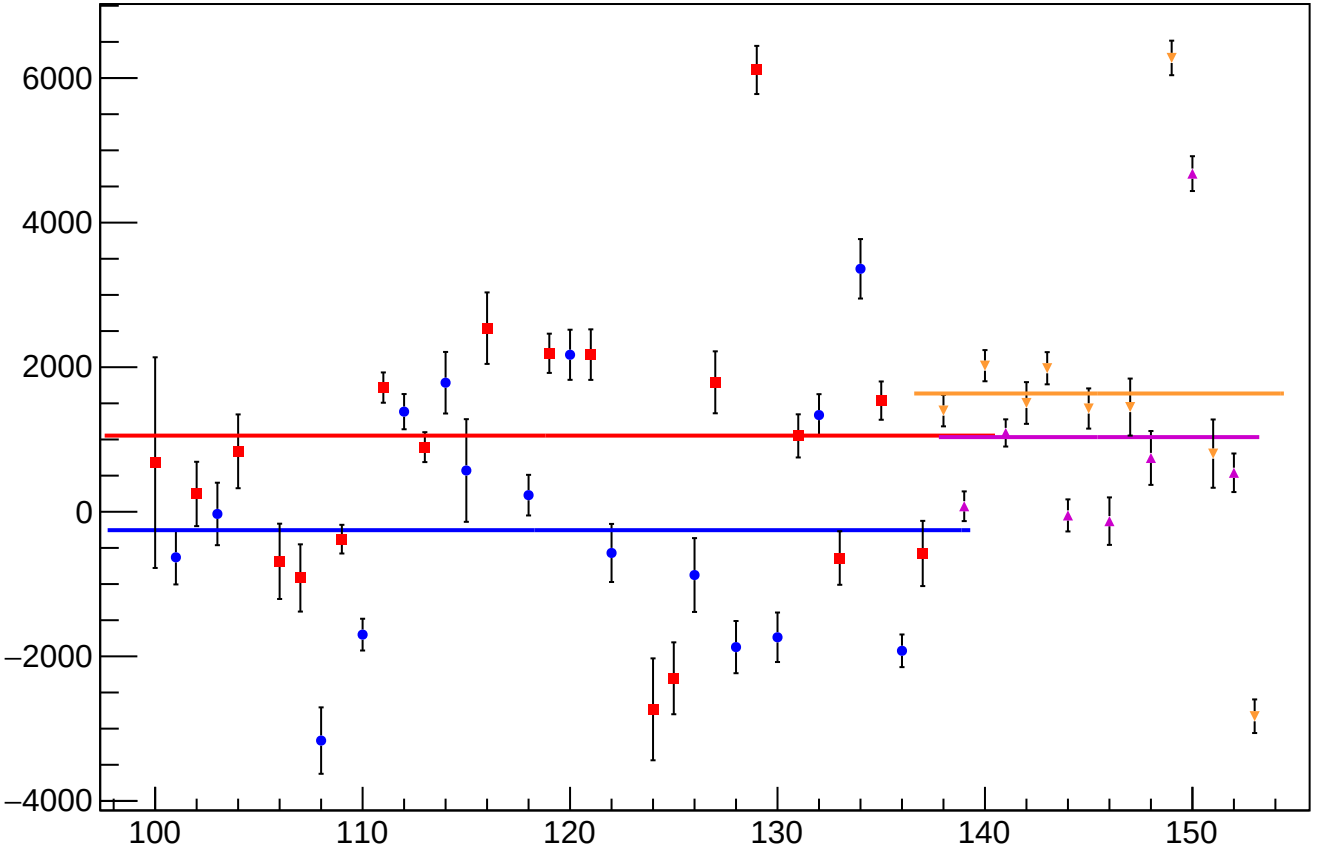
Left In: 206.541+/-0.062 χ^2/NDF:434165.3/6

+ sign 207.145+/-0.041 χ^2/NDF: 1755116.6/24

All: 200.641+/-0.028 χ^2/NDF: 3784299.1/50

- sign 194.469+/-0.040 χ^2/NDF: 1979611.2/25

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1636.168+/-86.195 χ^2/NDF:757.3/8

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

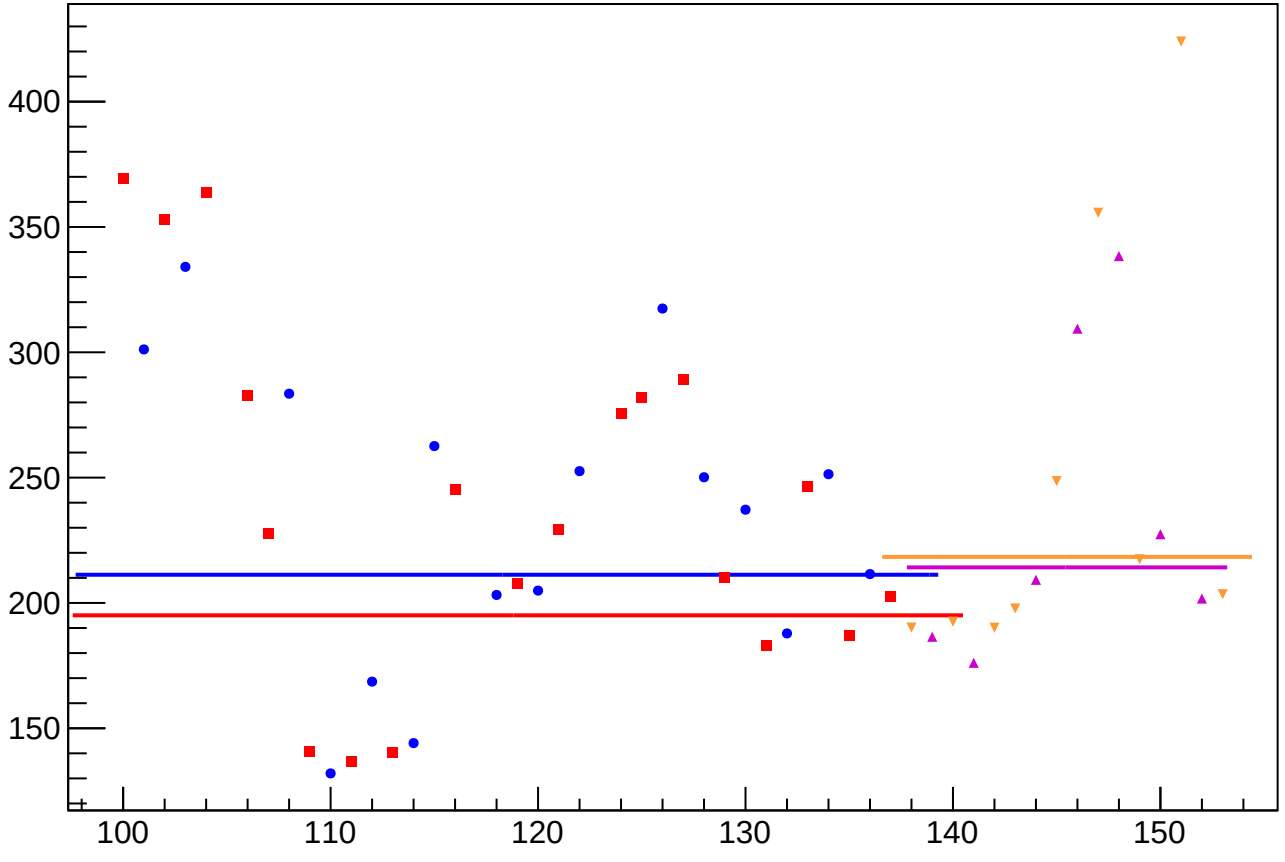
Left In: 1033.021+/-91.303 χ^2/NDF:291.0/6

+ sign 649.339+/-59.596 χ^2/NDF: 1417.7/24

All: 851.318+/-41.711 χ^2/NDF: 2208.9/50

- sign 1045.258+/-58.398 χ^2/NDF: 768.7/25

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 218.371+/-0.061 χ^2/NDF:751832.2/8

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

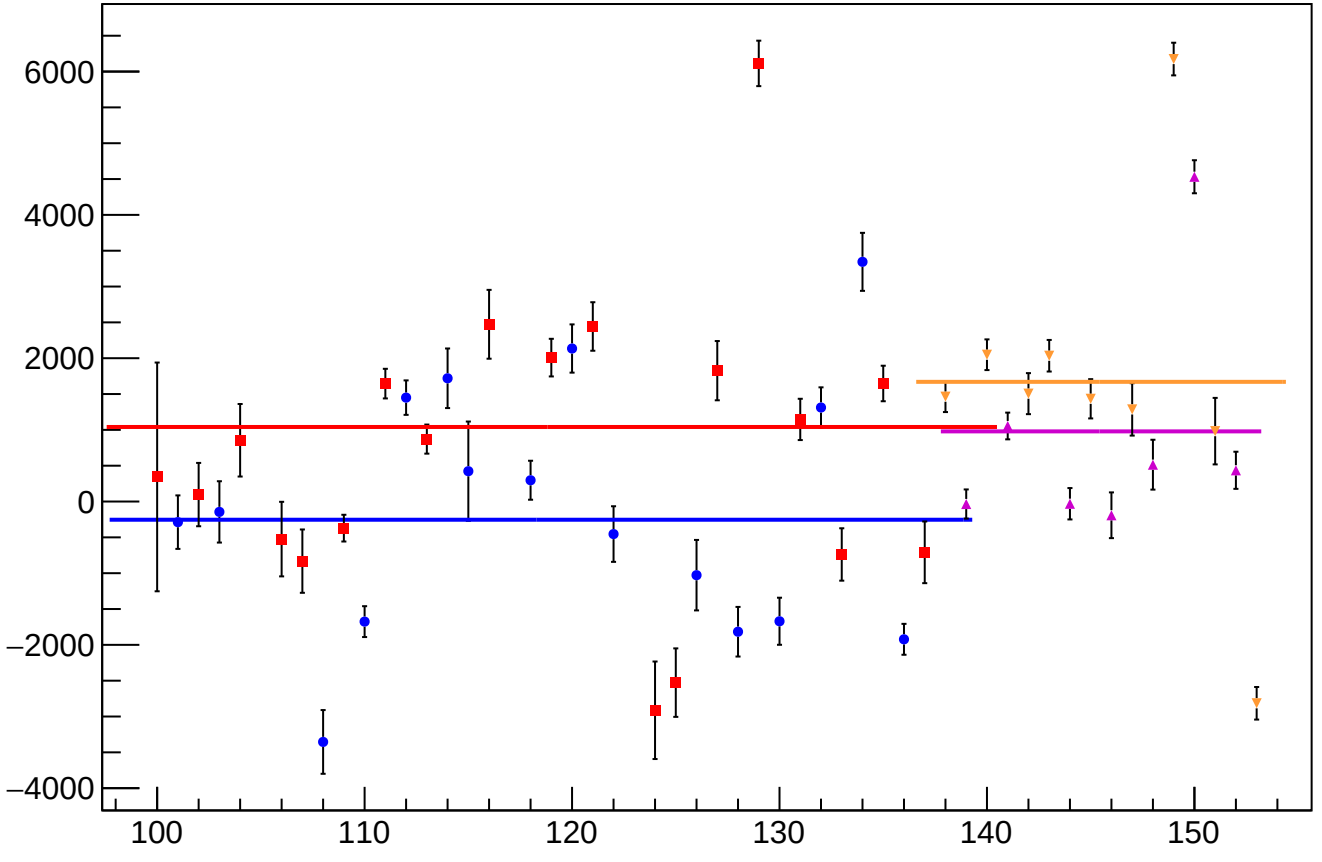
Left In: 214.187+/-0.065 χ^2/NDF:519762.5/6

+ sign 214.656+/-0.042 χ^2/NDF: 1643314.0/24

All: 208.651+/-0.029 χ^2/NDF: 3539616.7/50

- sign 202.885+/-0.041 χ^2/NDF: 1856501.9/25

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1670.204+/-84.425 χ^2/NDF:791.2/8

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

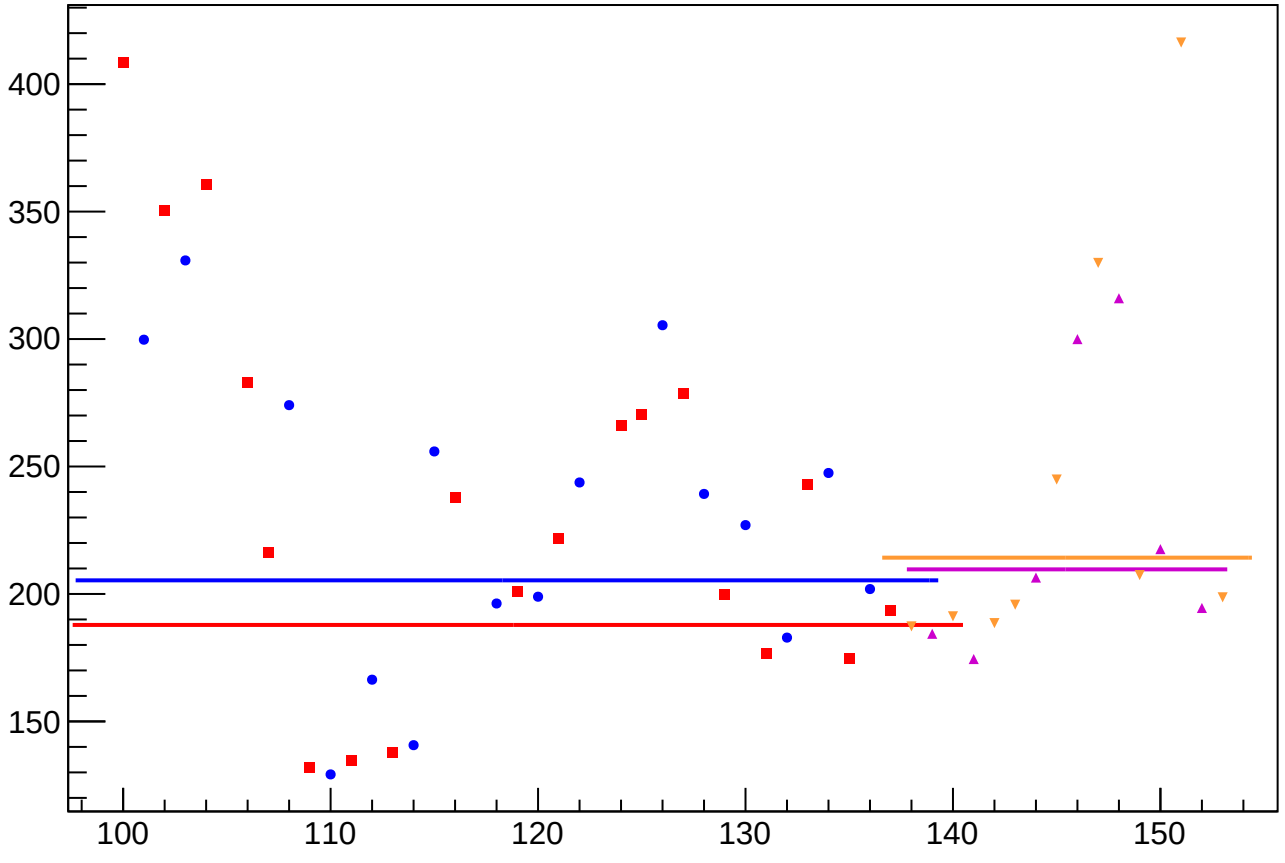
Left In: 978.878+/-89.225 χ^2/NDF:303.4/6

+ sign 658.999+/-58.155 χ^2/NDF: 1496.3/24

All: 841.898+/-40.586 χ^2/NDF: 2352.6/50

- sign 1015.561+/-56.667 χ^2/NDF: 837.1/25

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 214.242+/-0.060 χ^2/NDF:700294.3/8

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

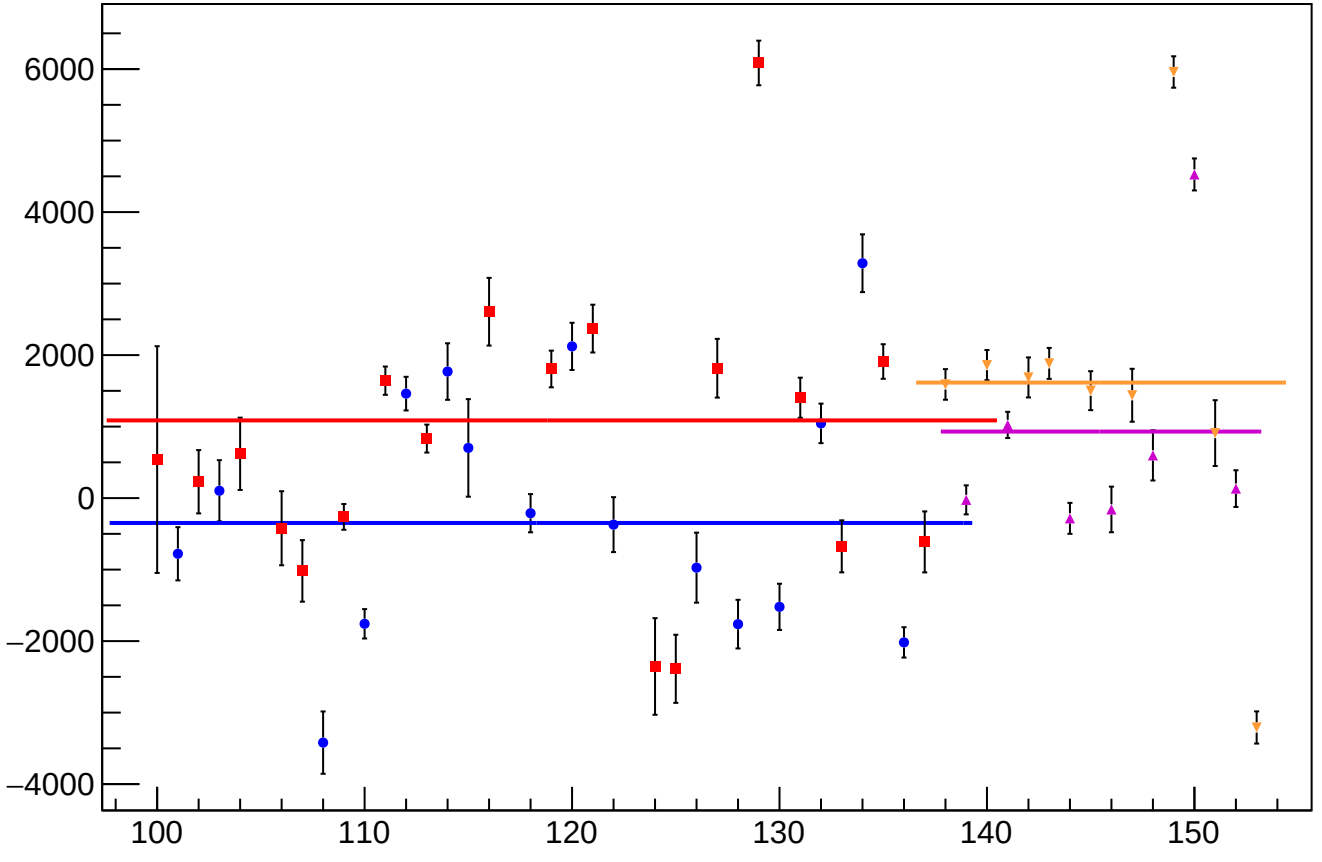
Left In: 209.648+/-0.063 χ^2/NDF:458864.4/6

+ sign 209.565+/-0.041 χ^2/NDF: 1589375.9/24

All: 202.936+/-0.029 χ^2/NDF: 3507181.9/50

- sign 196.641+/-0.040 χ^2/NDF: 1867142.1/25

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1615.637+/-83.239 χ^2/NDF:855.2/8

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

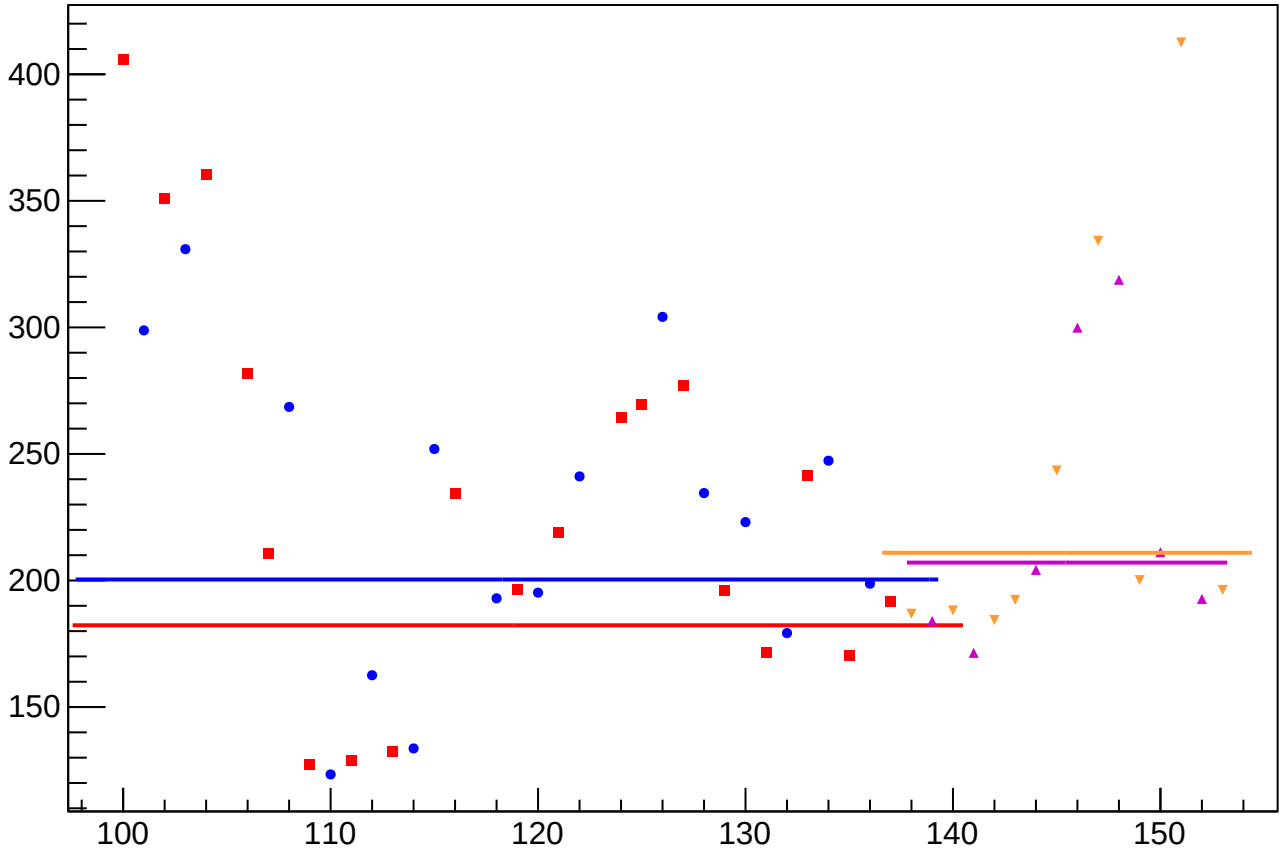
Left In: 930.348+/-88.221 χ^2/NDF:334.2/6

+ sign 577.344+/-57.136 χ^2/NDF: 1595.2/24

All: 807.220+/-39.834 χ^2/NDF: 2490.0/50

- sign 1024.637+/-55.566 χ^2/NDF: 863.3/25

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 210.954+/-0.059 χ^2/NDF:728568.1/8

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

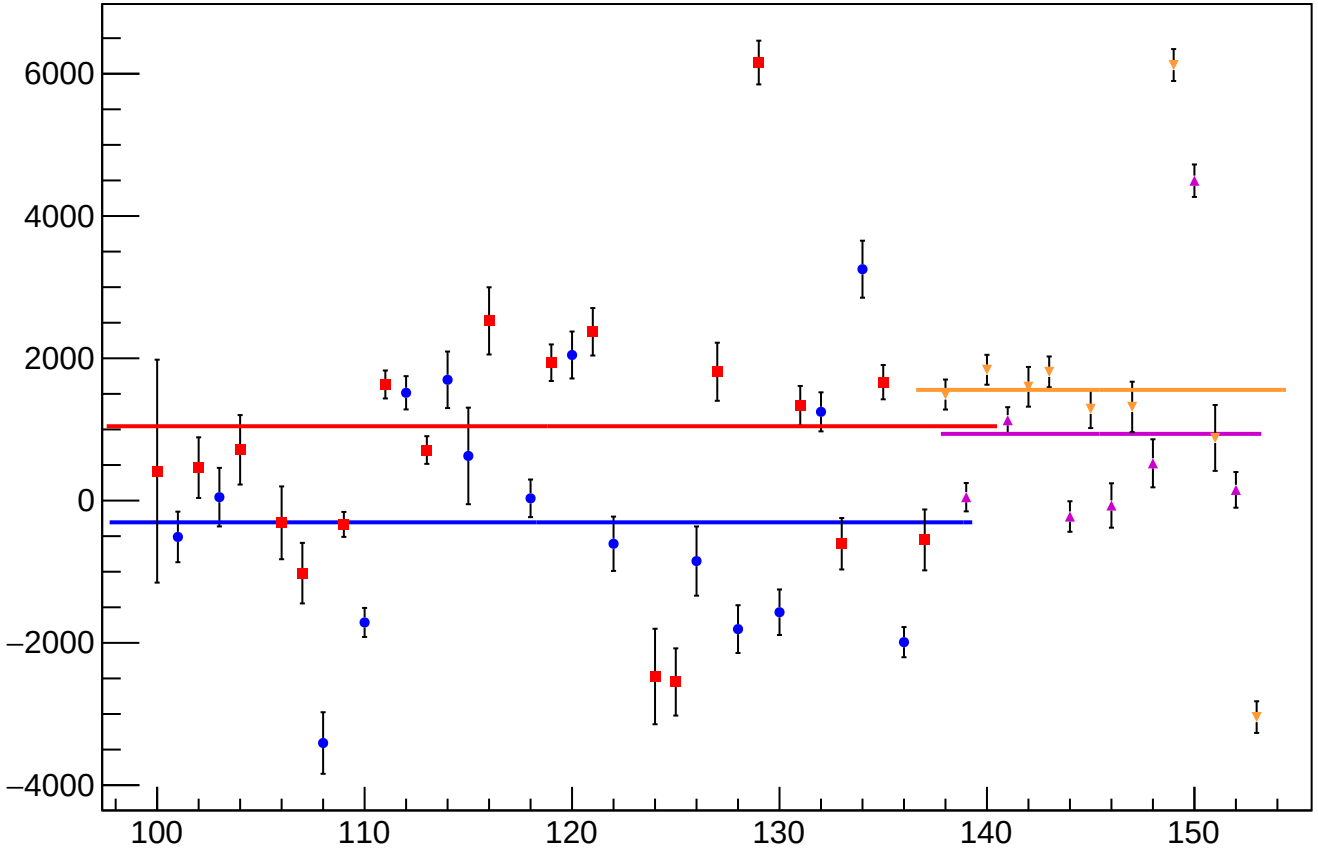
Left In: 207.072+/-0.062 χ^2/NDF:480969.7/6

+ sign 205.372+/-0.040 χ^2/NDF: 1704576.8/24

All: 198.566+/-0.028 χ^2/NDF: 3783089.5/50

- sign 192.128+/-0.039 χ^2/NDF: 2023286.1/25

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1556.344+/-82.857 χ^2/NDF:848.5/8

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

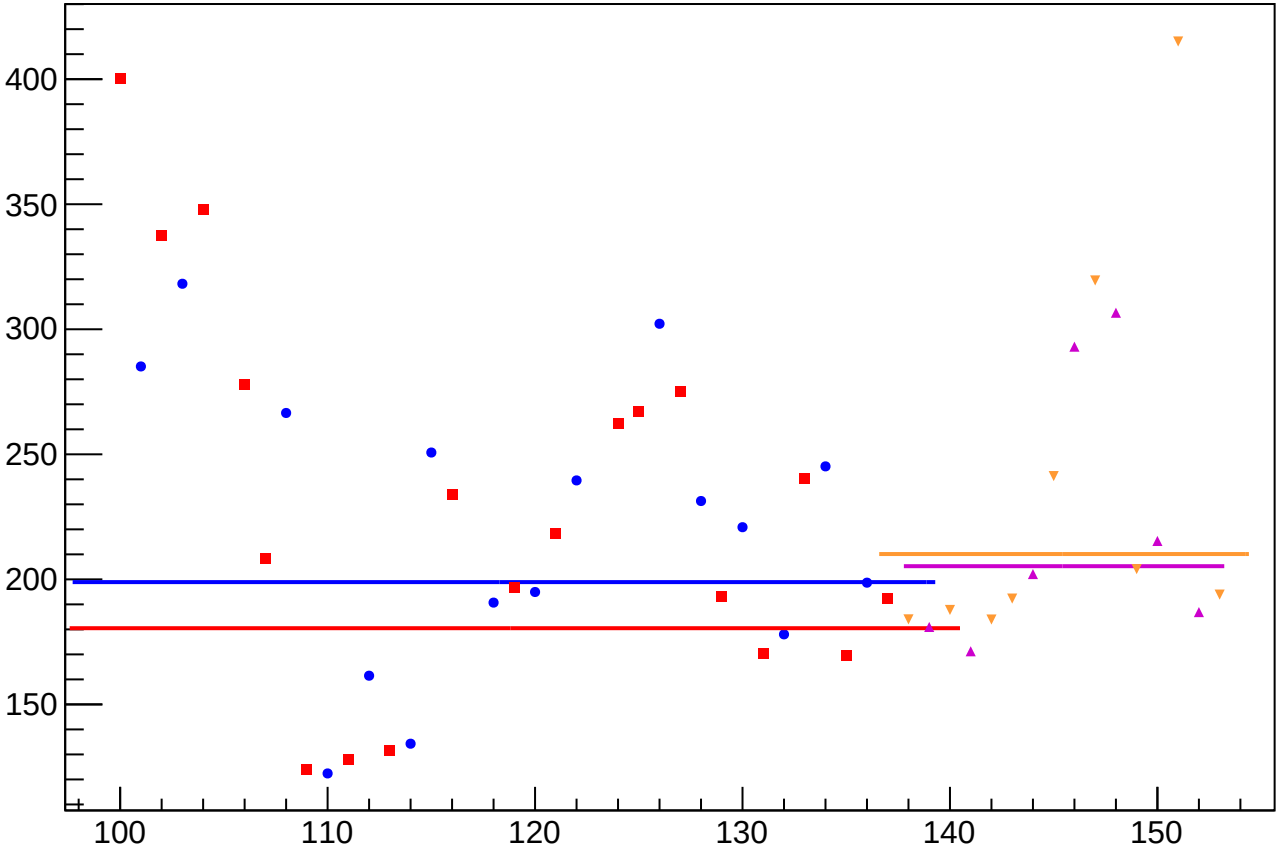
Left In: 937.737+/-87.430 χ^2/NDF:315.3/6

+ sign 567.608+/-56.743 χ^2/NDF: 1568.5/24

All: 791.752+/-39.505 χ^2/NDF: 2467.1/50

- sign 1002.588+/-55.033 χ^2/NDF: 868.4/25

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 210.129+/-0.059 χ^2/NDF:705895.0/8

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

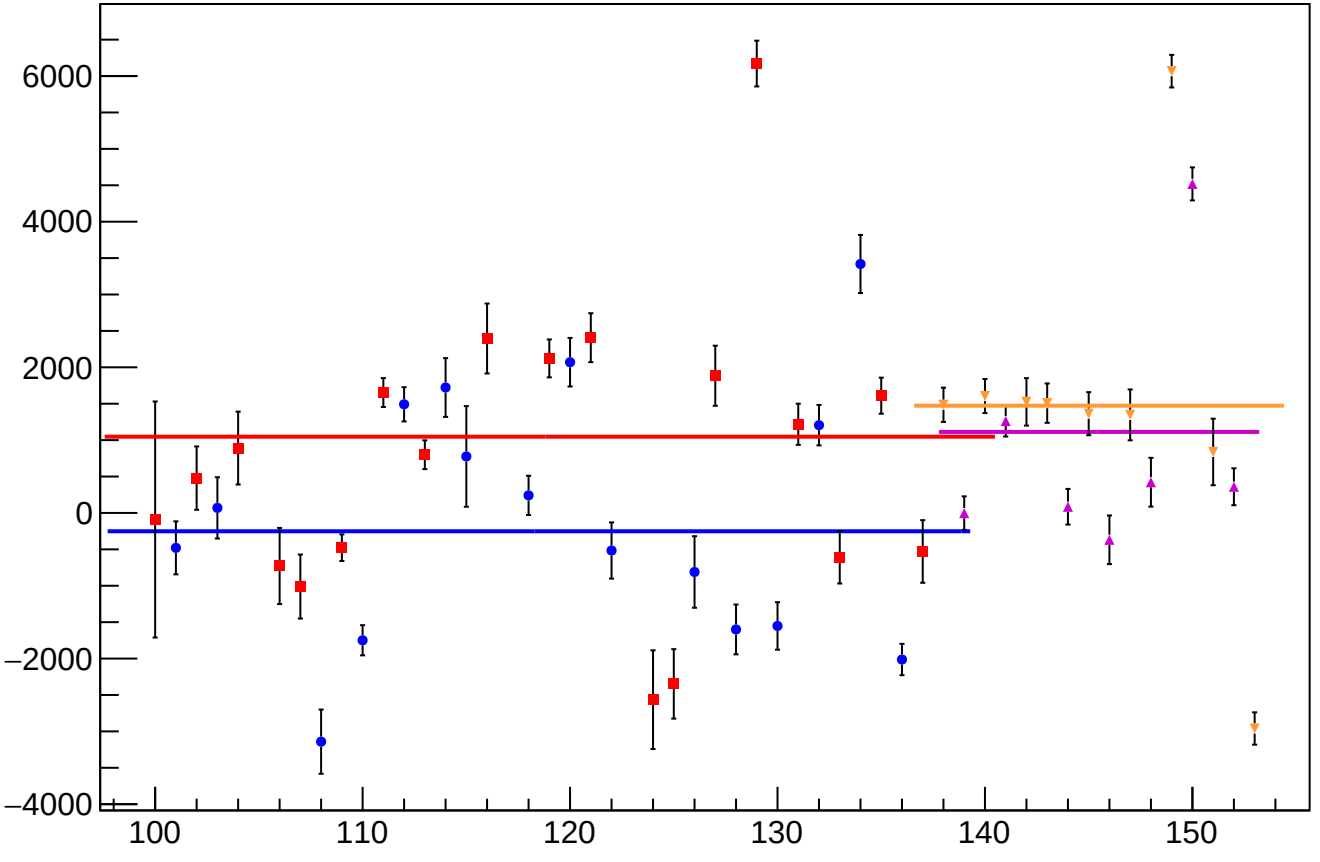
Left In: 205.270+/-0.062 χ^2/NDF:452286.2/6

+ sign 204.168+/-0.040 χ^2/NDF: 1638156.9/24

All: 197.020+/-0.028 χ^2/NDF: 3683598.9/50

- sign 190.298+/-0.039 χ^2/NDF: 1983864.3/25

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1473.079+/-89.790 χ^2/NDF:822.4/8

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

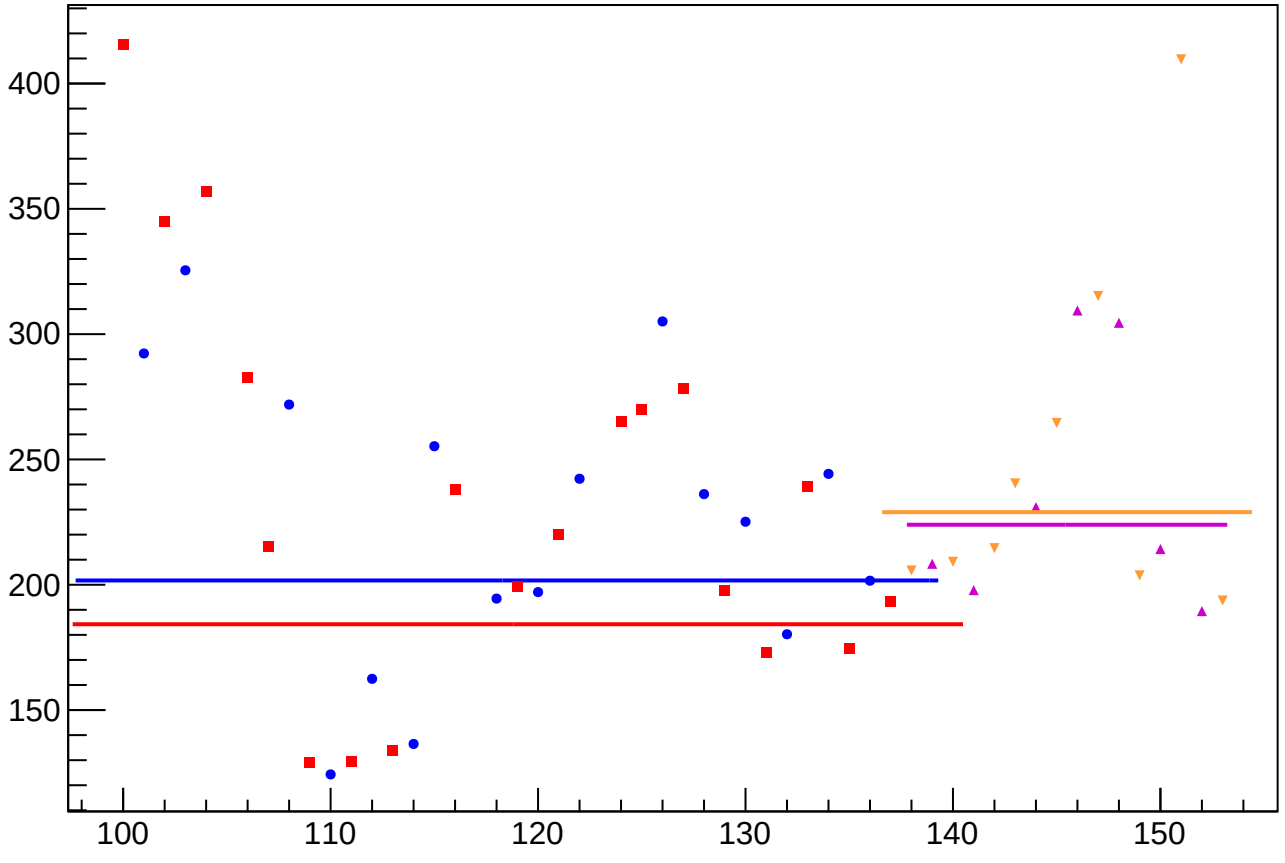
Left In: 1112.684+/-95.024 χ^2/NDF:299.4/6

+ sign 500.552+/-59.300 χ^2/NDF: 1471.7/24

All: 794.712+/-41.274 χ^2/NDF: 2365.9/50

- sign 1071.121+/-57.483 χ^2/NDF: 846.5/25

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 228.976+/-0.063 χ^2/NDF:581105.2/8

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

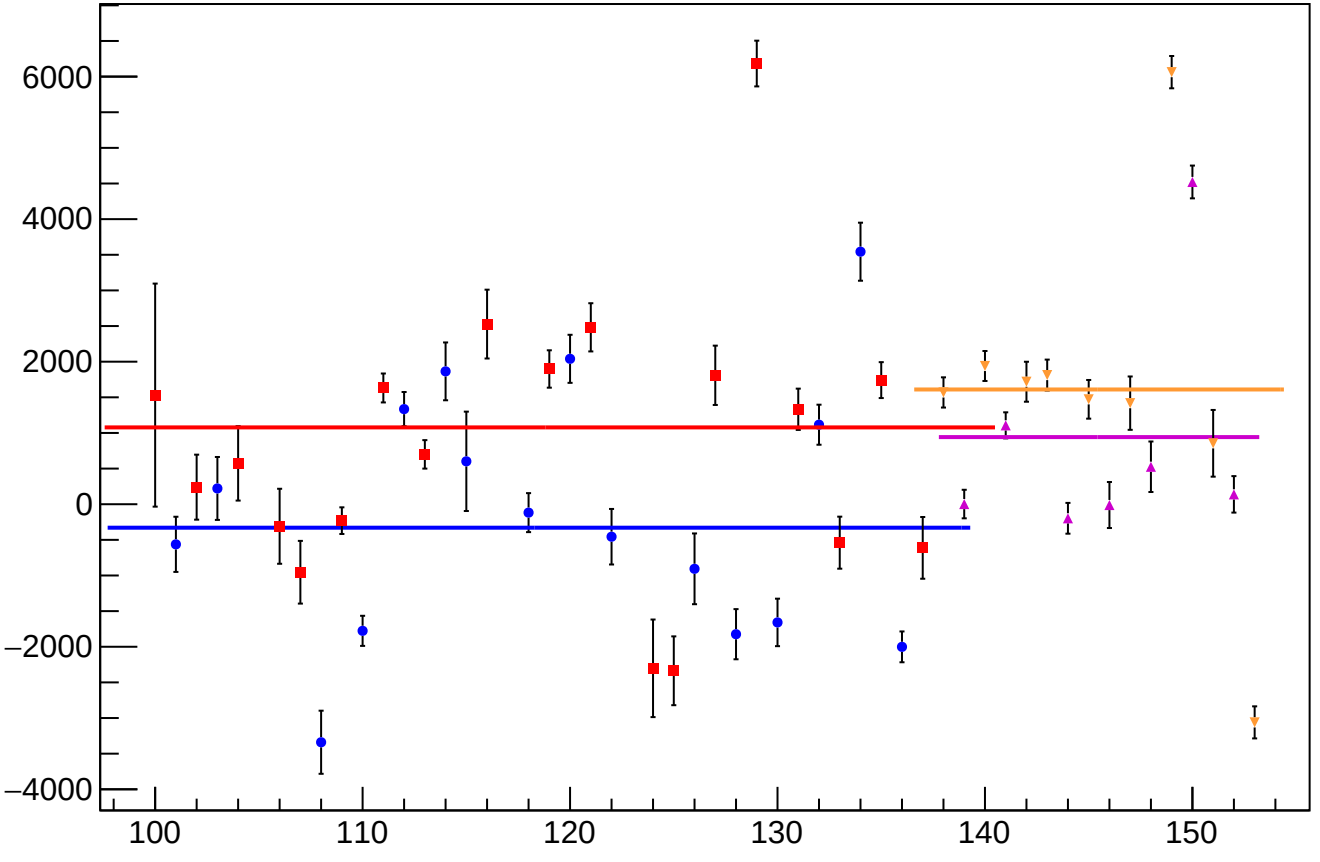
Left In: 223.947+/-0.067 χ^2/NDF:328503.6/6

+ sign 213.605+/-0.042 χ^2/NDF: 1609273.4/24

All: 205.958+/-0.029 χ^2/NDF: 3627426.1/50

- sign 198.773+/-0.041 χ^2/NDF: 1953650.3/25

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1609.969+/-83.530 χ^2/NDF:823.5/8

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

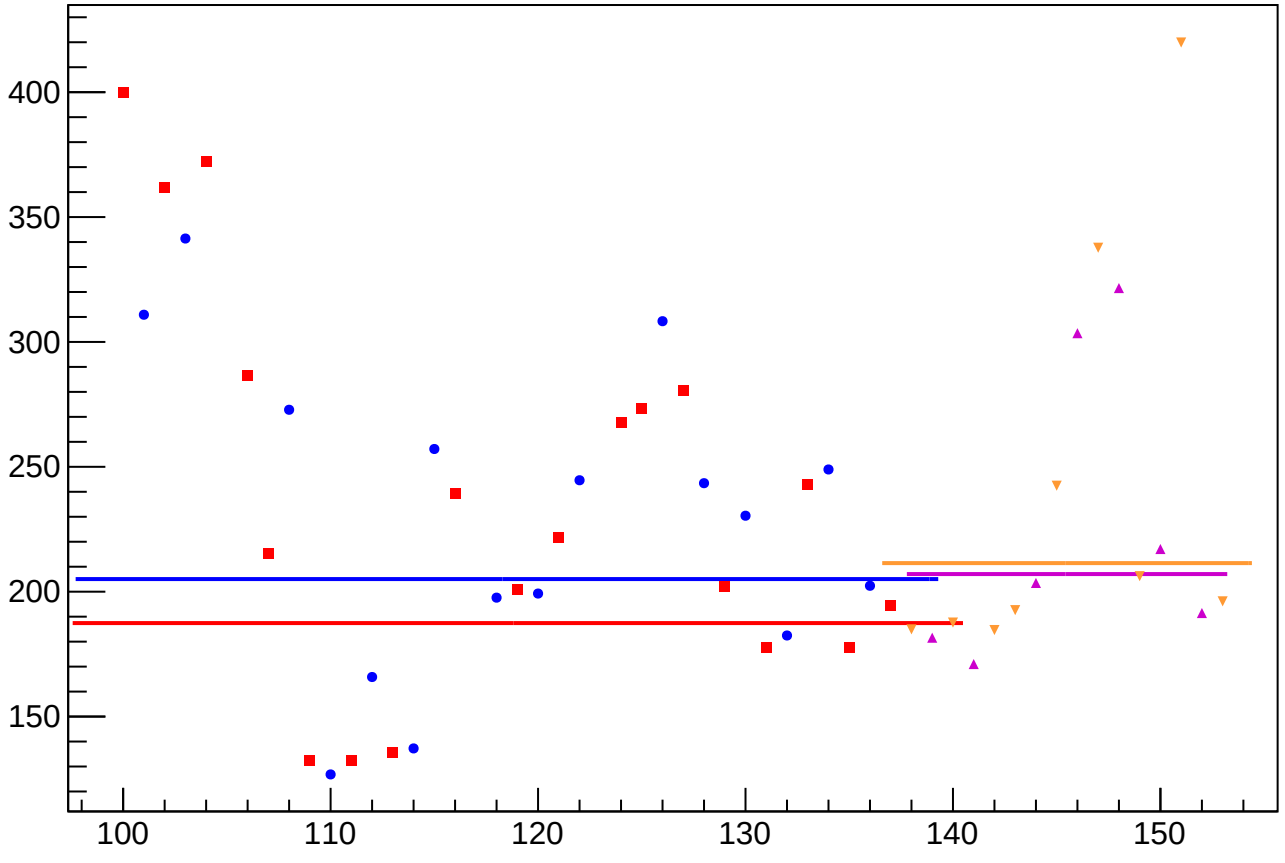
Left In: 941.897+/-88.382 χ^2/NDF:312.8/6

\+ sign 602.889+/-57.914 χ^2/NDF: 1539.8/24

All: 817.929+/-40.431 χ^2/NDF: 2382.9/50

\- sign 1022.368+/-56.468 χ^2/NDF: 816.2/25

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 211.444+/-0.059 χ^2/NDF:751019.9/8

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

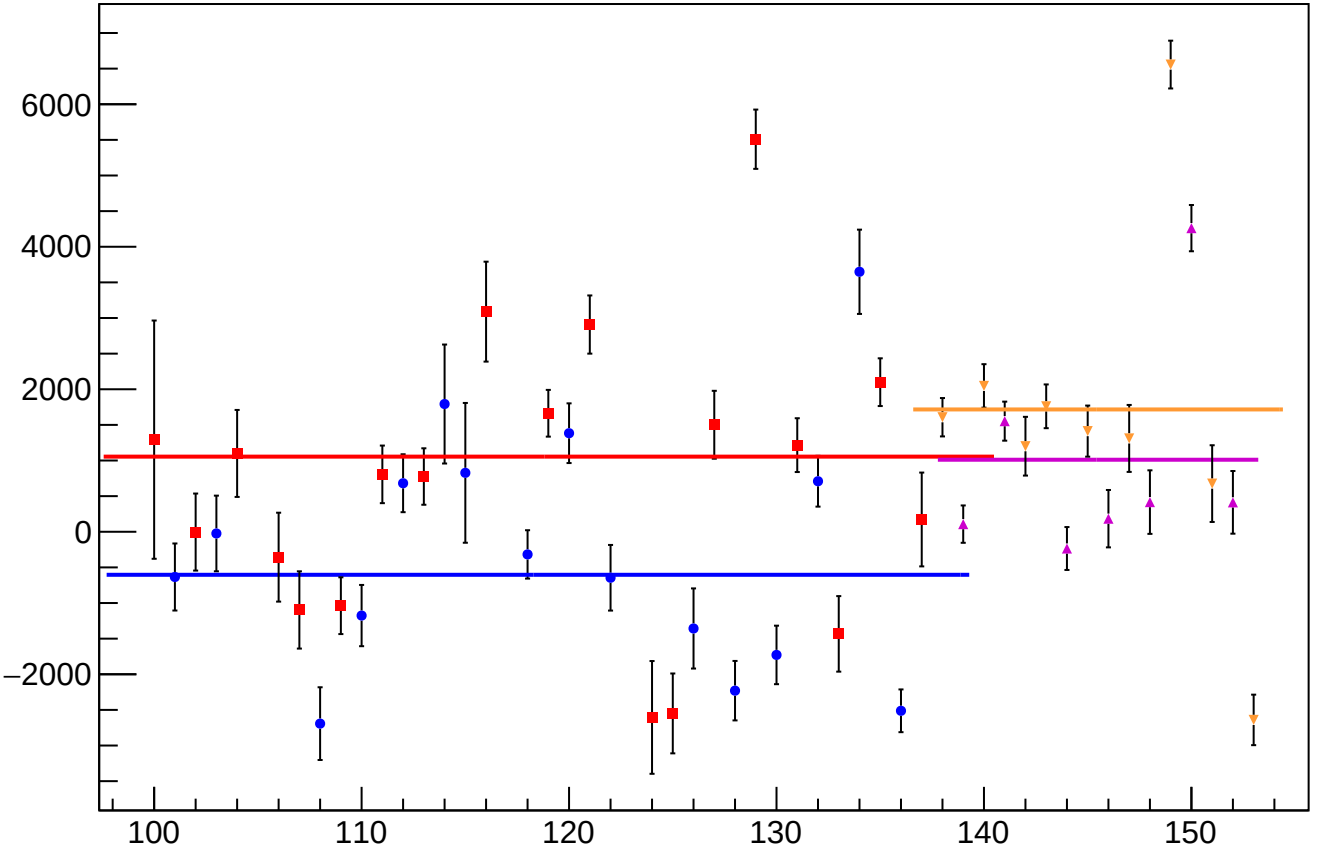
Left In: 207.057+/-0.062 χ^2/NDF:509254.3/6

+ sign 208.125+/-0.041 χ^2/NDF: 1720151.5/24

All: 201.624+/-0.029 χ^2/NDF: 3747737.0/50

- sign 195.443+/-0.040 χ^2/NDF: 1978419.7/25

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1716.774+/-116.524 χ^2/NDF:367.5/8

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

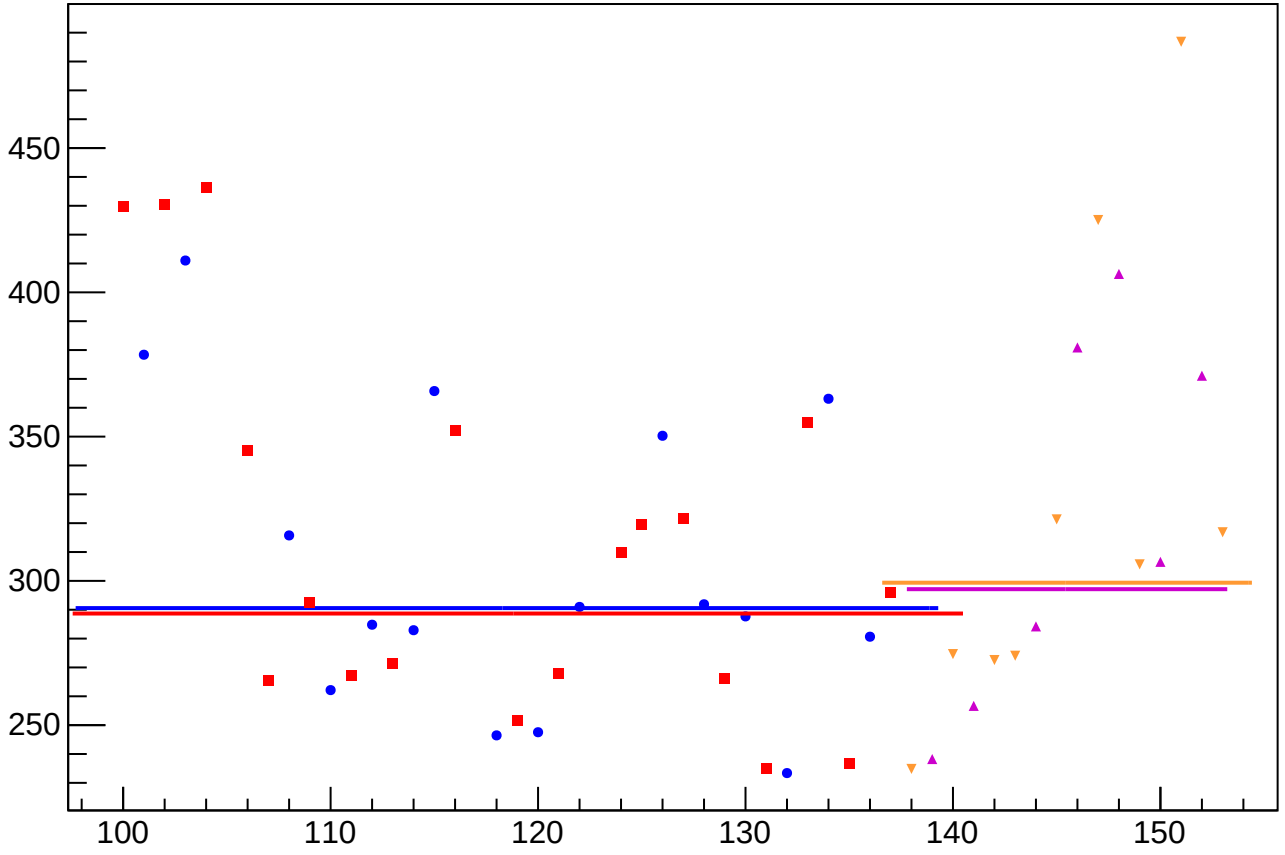
Left In: 1010.944+/-124.252 χ^2/NDF:141.1/6

+ sign 496.942+/-80.254 χ^2/NDF: 769.6/24

All: 761.775+/-57.227 χ^2/NDF: 1230.5/50

- sign 1035.735+/-81.625 χ^2/NDF: 438.8/25

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 299.369+/-0.082 χ^2/NDF:548844.4/8

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

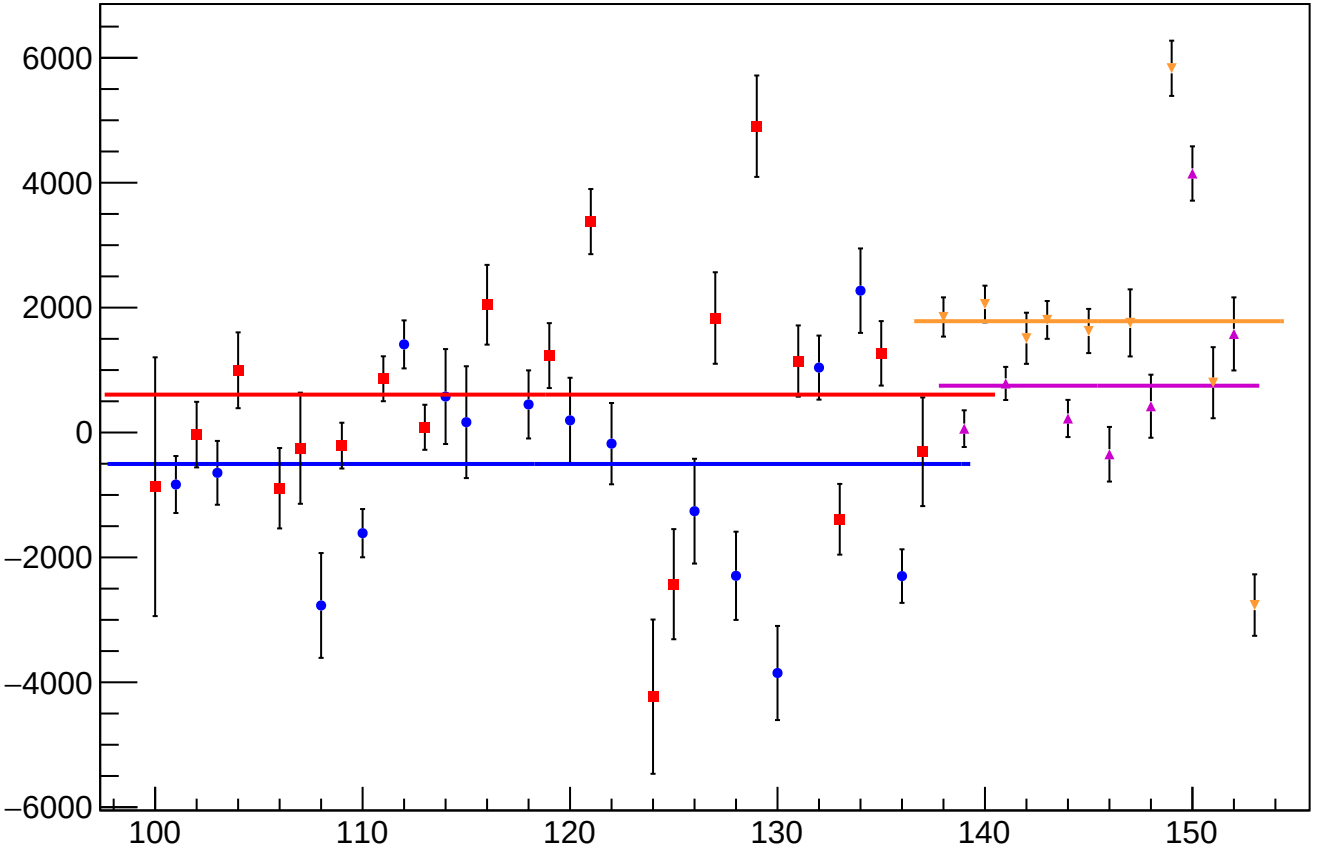
Left In: 297.125+/-0.088 χ^2/NDF:413062.4/6

+ sign 294.742+/-0.057 χ^2/NDF: 914651.9/24

All: 293.555+/-0.040 χ^2/NDF: 1822943.1/50

- sign 292.328+/-0.058 χ^2/NDF: 907401.8/25

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1782.576+/-126.653 χ^2/NDF:173.7/8

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

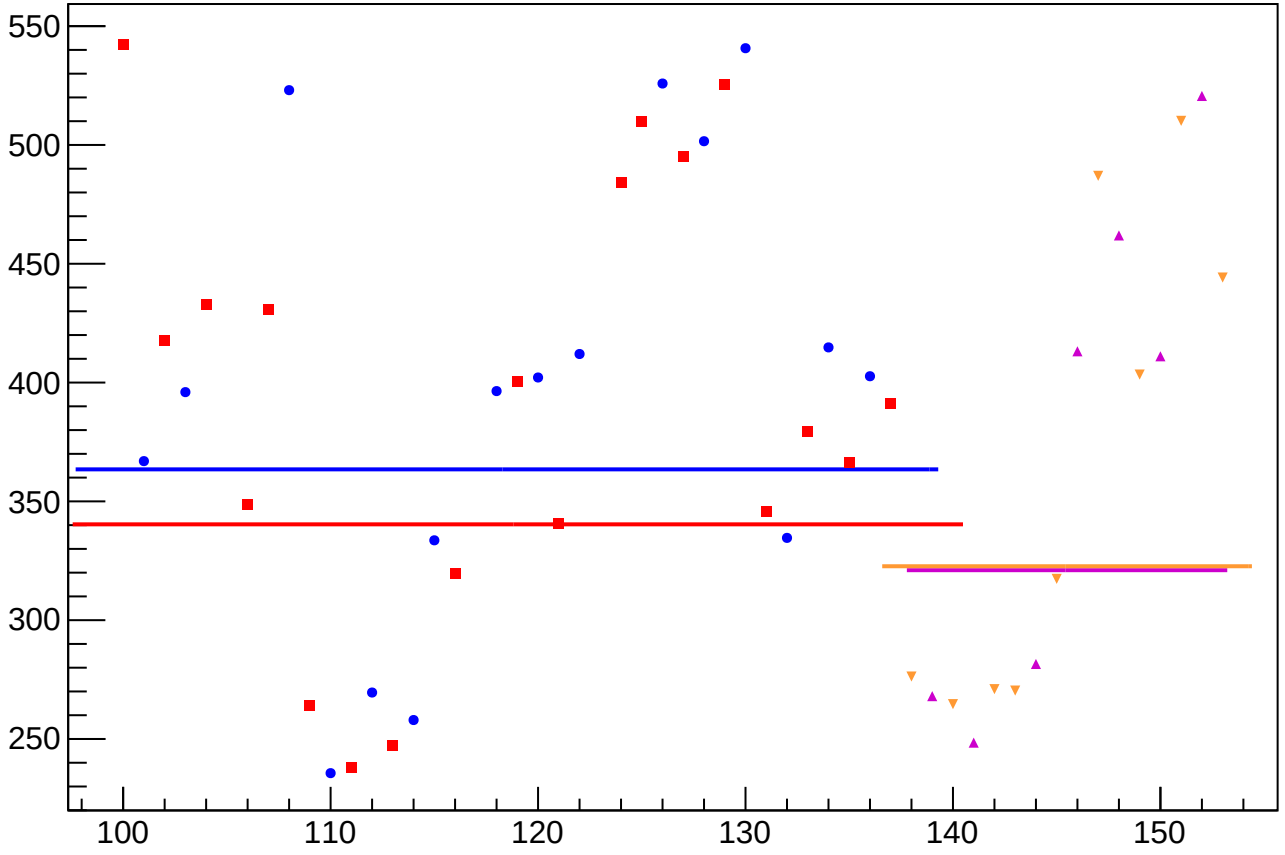
Left In: 749.470+/-135.522 χ^2/NDF:78.4/6

+ sign 754.072+/-93.940 χ^2/NDF: 438.5/24

All: 714.420+/-66.329 χ^2/NDF: 643.0/50

- sign 674.996+/-93.668 χ^2/NDF: 204.1/25

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 322.693+/-0.090 χ^2/NDF:806203.9/8

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

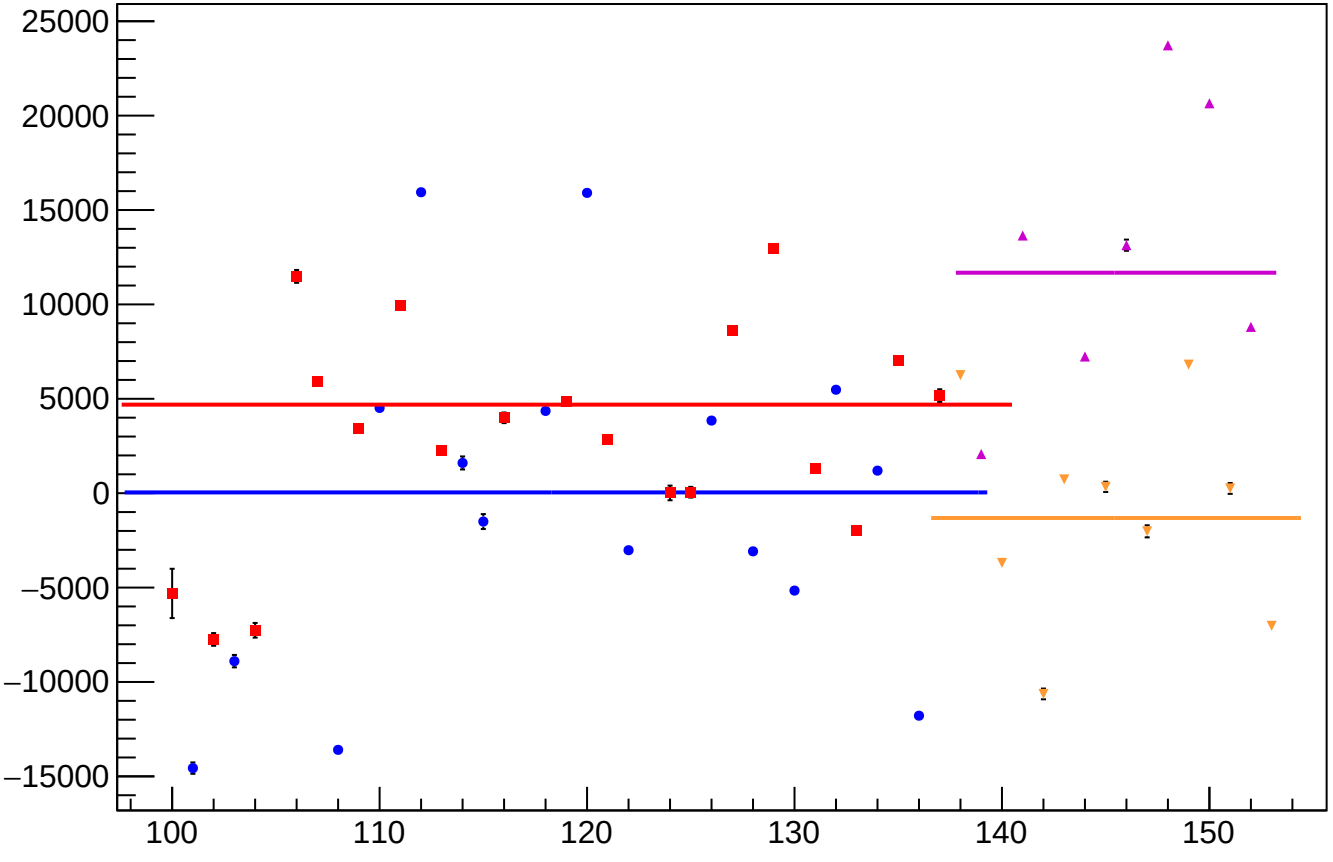
Left In: 321.038+/-0.096 χ^2/NDF:812926.4/6

+ sign 341.038+/-0.066 χ^2/NDF: 1680367.1/24

All: 336.062+/-0.047 χ^2/NDF: 3381884.8/50

- sign 331.115+/-0.066 χ^2/NDF: 1690329.0/25

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1313.495+/-73.649 χ^2/NDF:5788.9/8

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

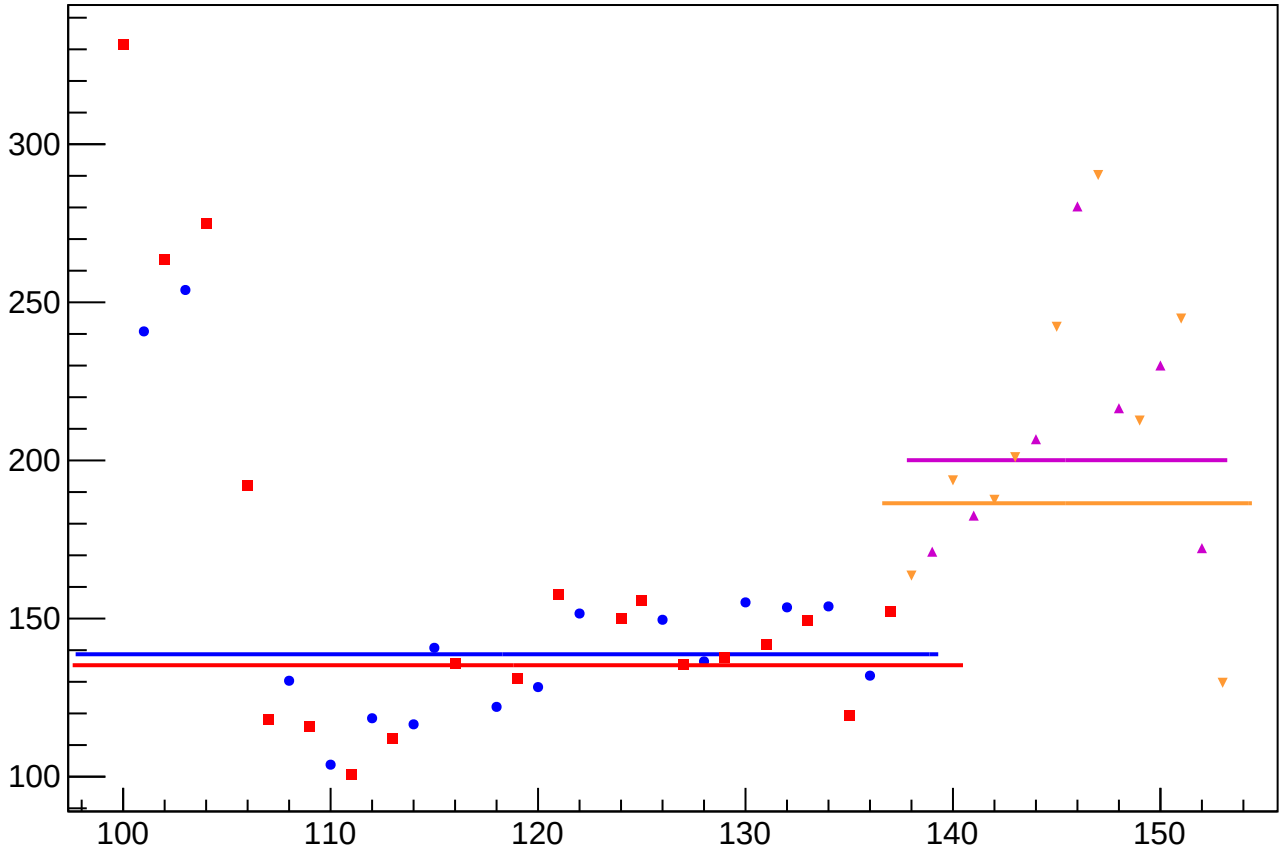
Left In: 11678.075+/-84.539 χ^2/NDF:7040.5/6

+ sign -434.900+/-43.652 χ^2/NDF: 36794.6/24

All: 3033.173+/-31.111 χ^2/NDF: 69410.7/50

- sign 6613.065+/-44.351 χ^2/NDF: 19788.8/25

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 186.465+/-0.052 χ^2/NDF:754538.6/8

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

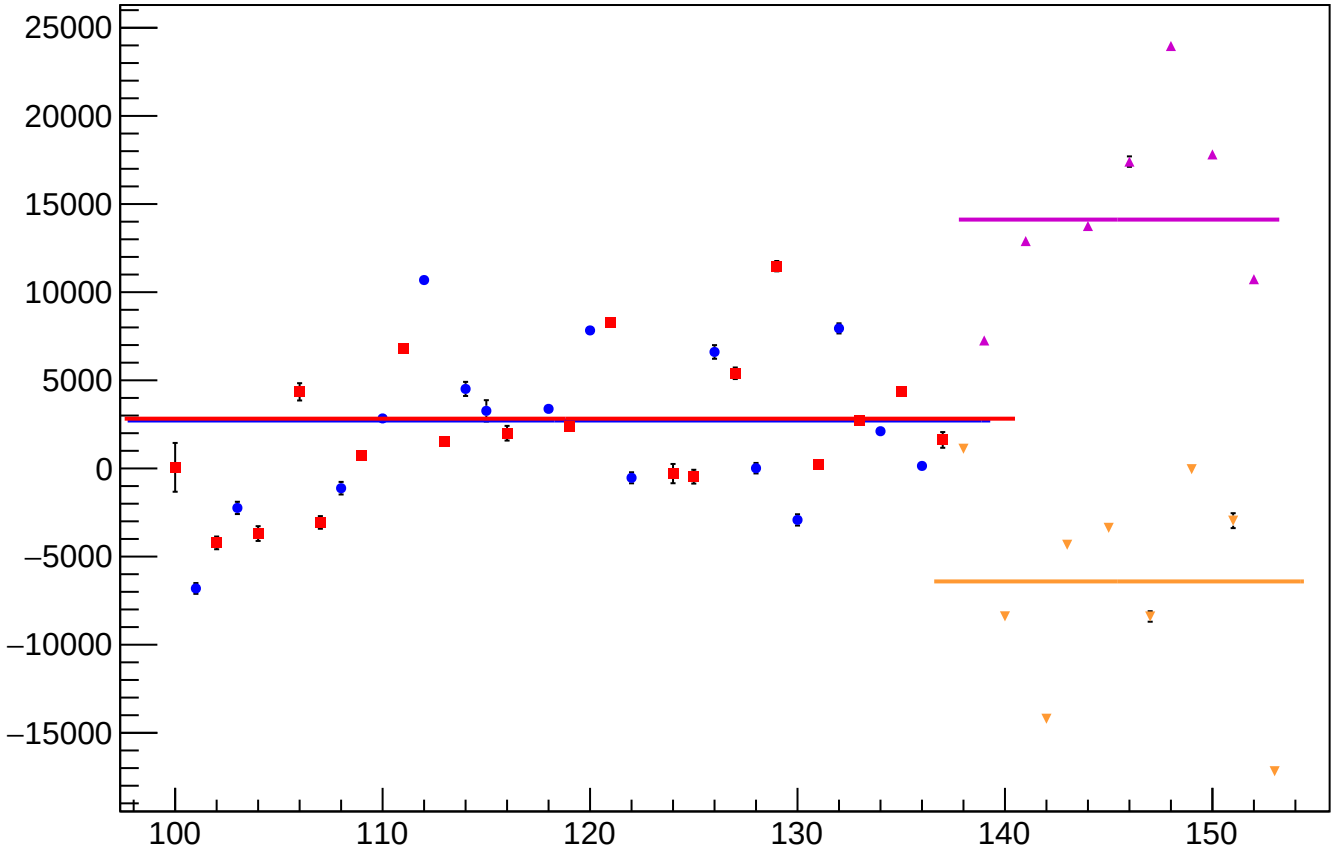
Left In: 200.081+/-0.060 χ^2/NDF:281794.4/6

+ sign 155.488+/-0.031 χ^2/NDF: 1957765.2/24

All: 154.308+/-0.022 χ^2/NDF: 3985158.7/50

- sign 153.089+/-0.031 χ^2/NDF: 2024422.1/25

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6409.805+/-80.726 χ^2/NDF:6268.0/8

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

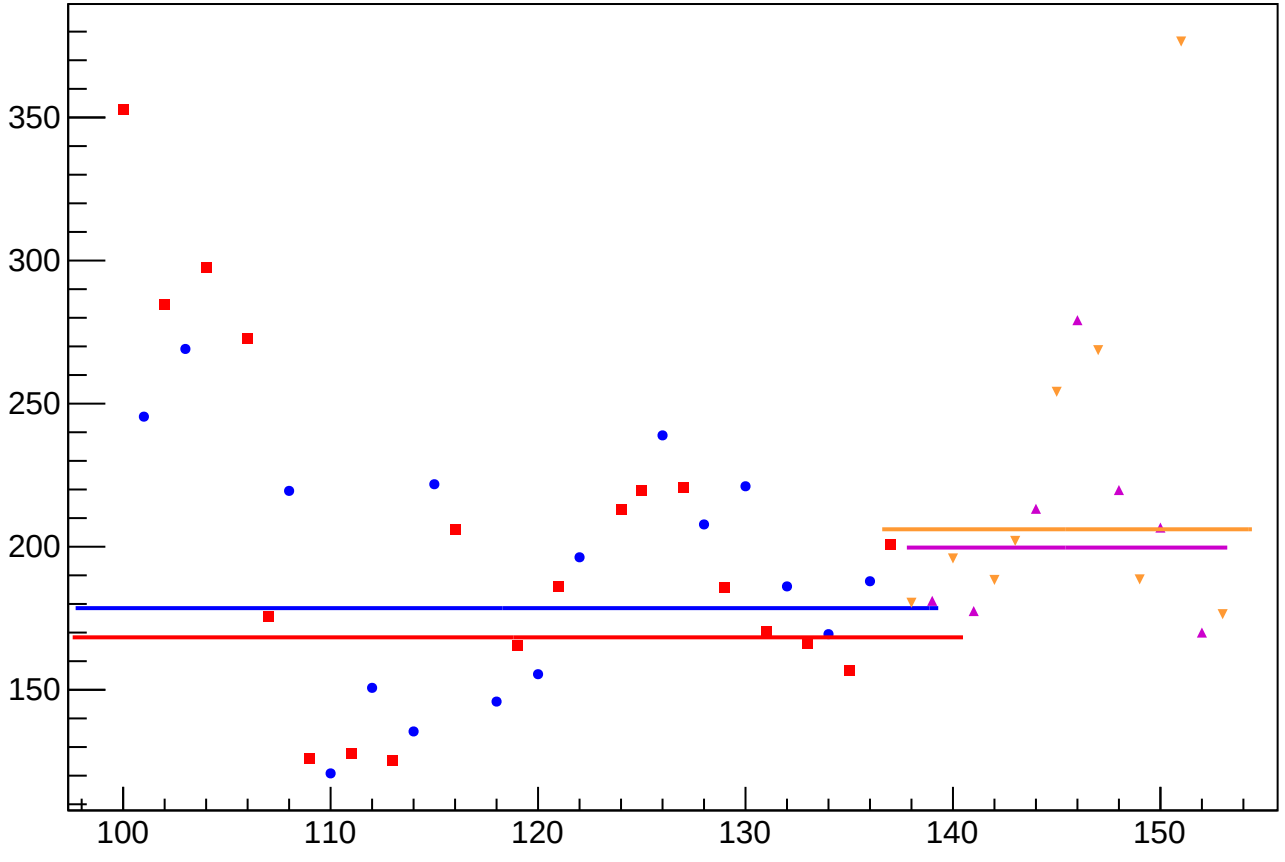
Left In: 14117.968+/-84.391 χ^2/NDF:3461.7/6

+ sign -1150.243+/-52.559 χ^2/NDF: 17765.8/24

All: 3022.676+/-36.756 χ^2/NDF: 47888.7/50

- sign 7016.901+/-51.421 χ^2/NDF: 17785.7/25

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 206.093+/-0.057 χ^2/NDF:570945.2/8

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

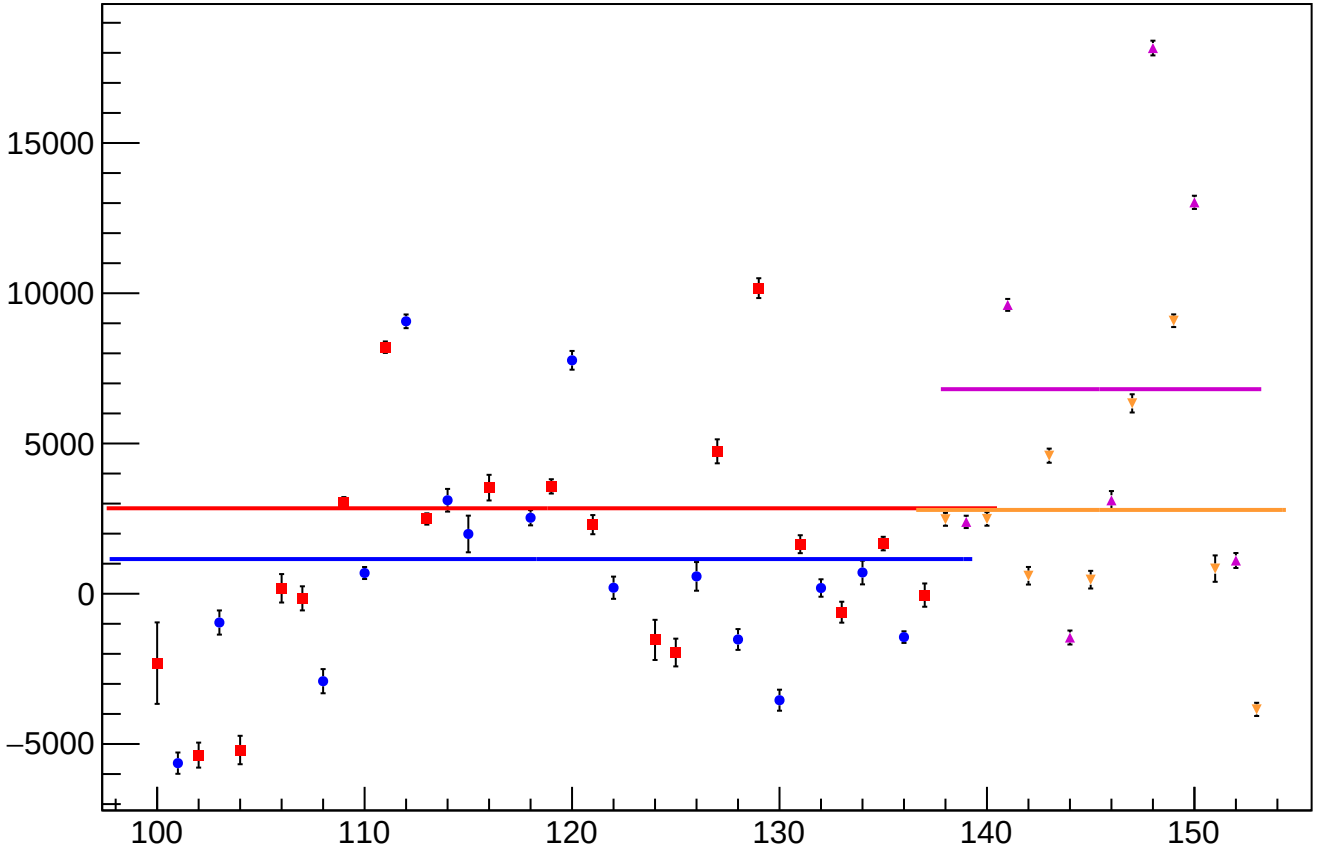
Left In: 199.700+/-0.060 χ^2/NDF:244889.7/6

+ sign 190.221+/-0.037 χ^2/NDF: 1379728.7/24

All: 184.988+/-0.026 χ^2/NDF: 2816600.2/50

- sign 179.980+/-0.036 χ^2/NDF: 1398076.7/25

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2789.374+/-84.016 χ^2/NDF:2139.1/8

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

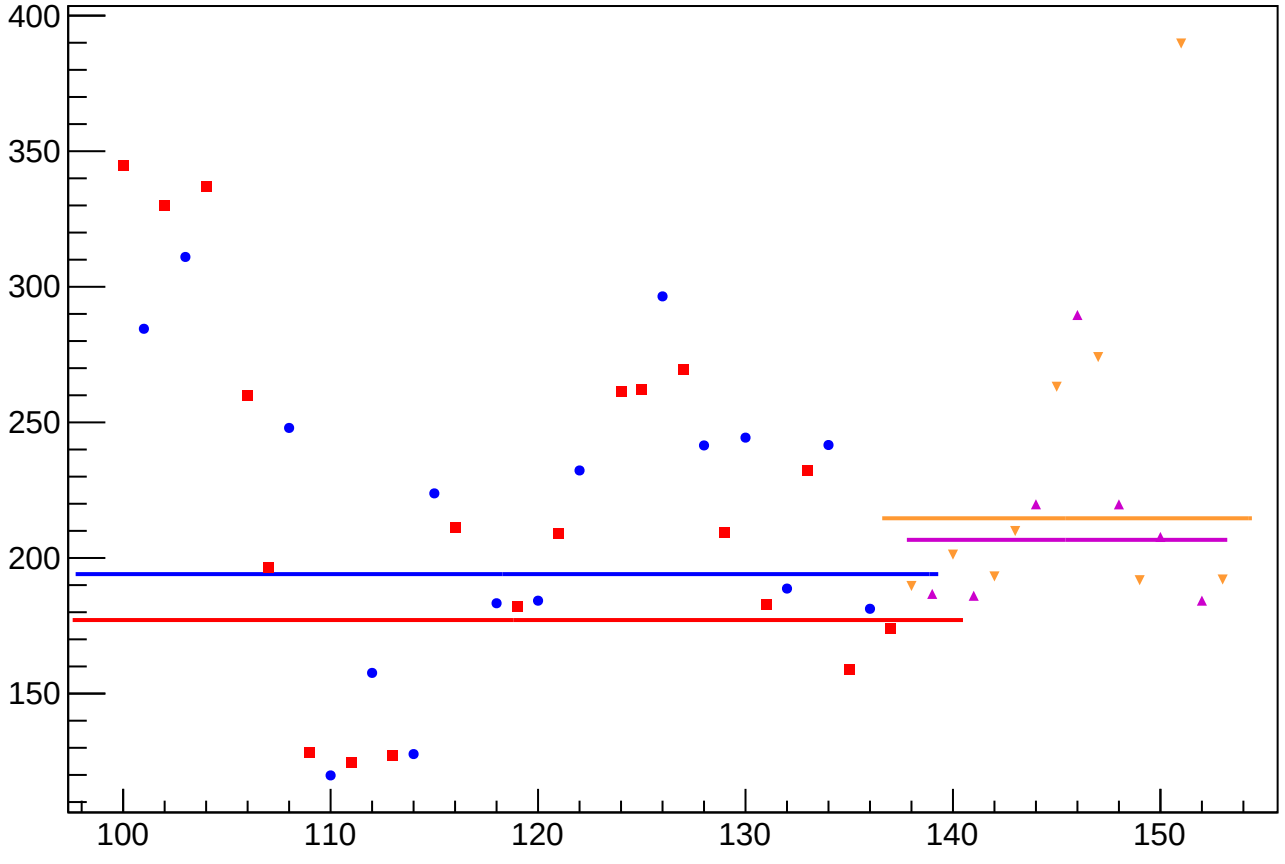
Left In: 6807.463+/-87.283 χ^2/NDF:5522.9/6

+ sign 1889.406+/-56.344 χ^2/NDF: 5003.0/24

All: 3178.947+/-39.060 χ^2/NDF: 15254.6/50

- sign 4372.037+/-54.196 χ^2/NDF: 9243.1/25

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.641+/-0.059 χ^2/NDF:538437.0/8

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

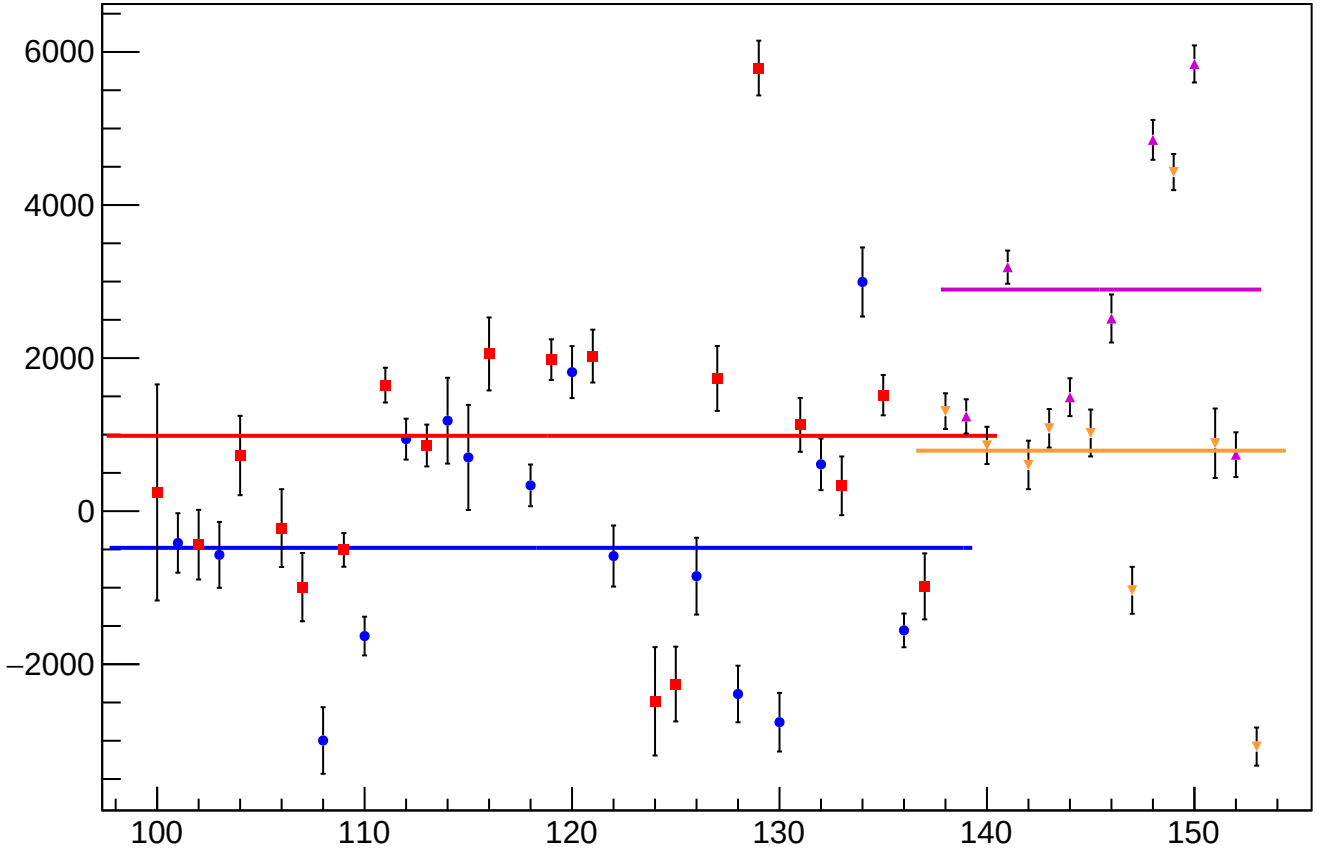
Left In: 206.690+/-0.062 χ^2/NDF:213463.8/6

+ sign 203.312+/-0.040 χ^2/NDF: 1570305.6/24

All: 195.628+/-0.028 χ^2/NDF: 3355837.1/50

- sign 188.518+/-0.038 χ^2/NDF: 1713907.6/25

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 790.518+/-90.824 χ^2/NDF:521.0/8

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

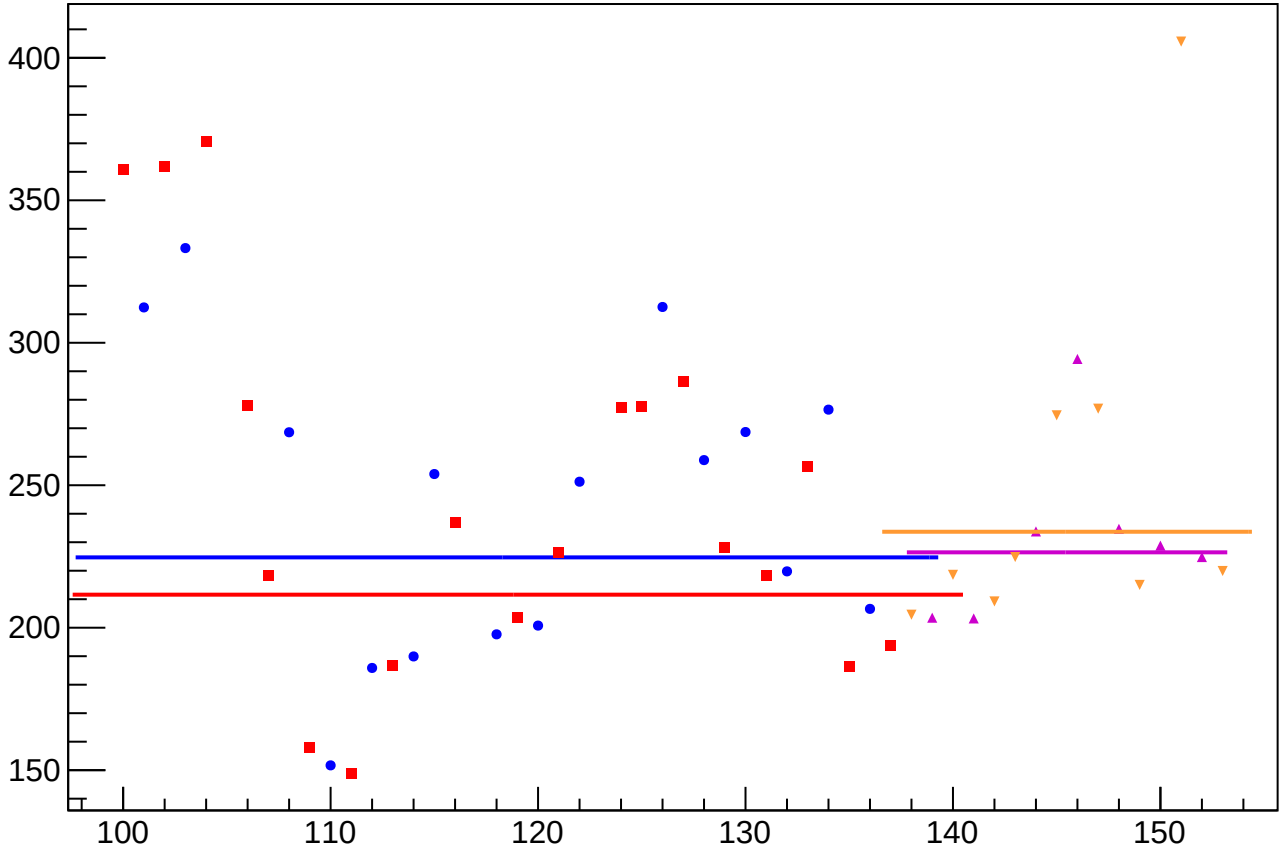
Left In: 2895.724+/-94.814 χ^2/NDF:349.5/6

+ sign 126.015+/-62.708 χ^2/NDF: 928.7/24

All: 973.467+/-43.930 χ^2/NDF: 2270.0/50

- sign 1790.236+/-61.562 χ^2/NDF: 982.7/25

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.680+/-0.064 χ^2/NDF:434672.8/8

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

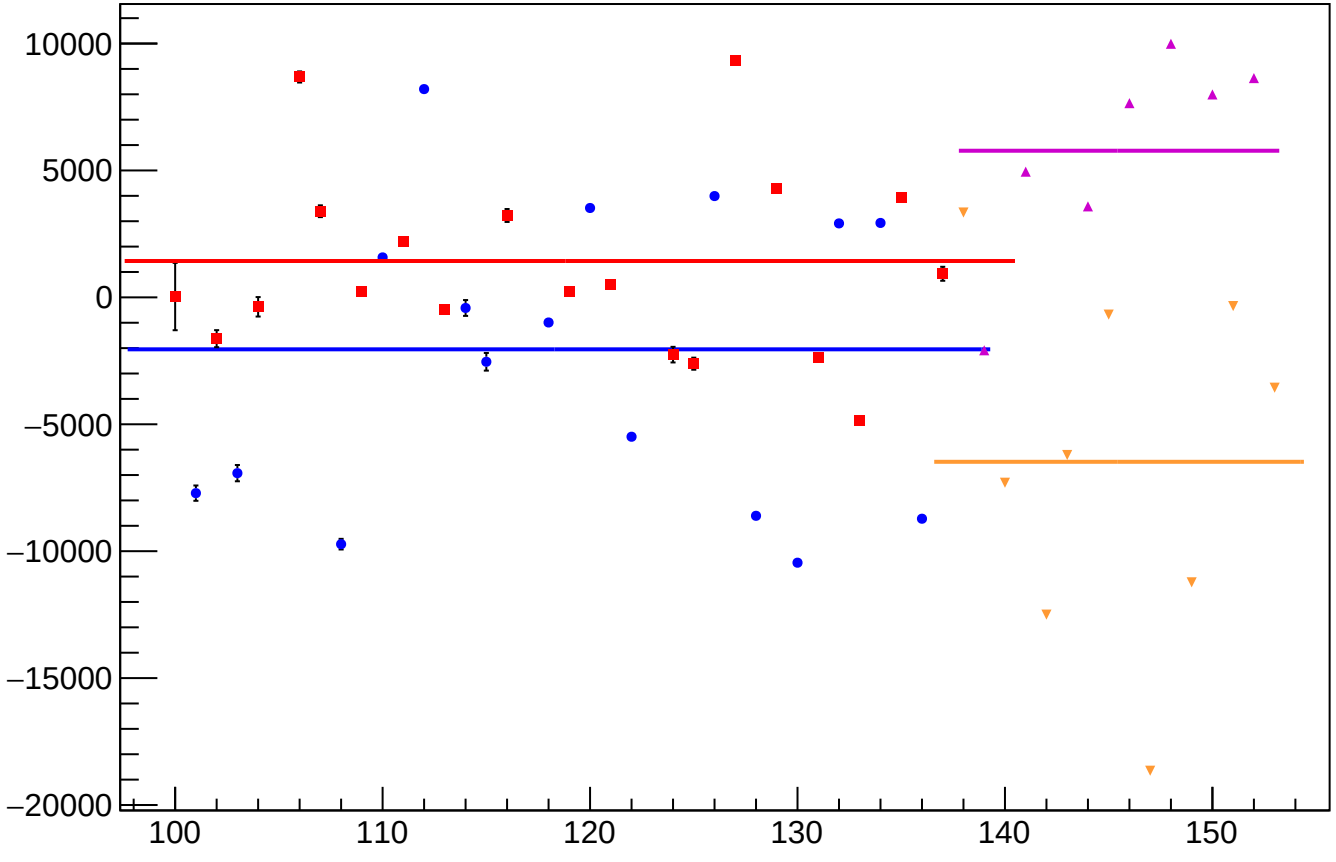
Left In: 226.452+/-0.067 χ^2/NDF:141511.9/6

+ sign 228.971+/-0.044 χ^2/NDF: 1098136.4/24

All: 223.313+/-0.031 χ^2/NDF: 2232942.5/50

- sign 217.859+/-0.044 χ^2/NDF: 1102821.0/25

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -6478.394+/-43.098 χ^2/NDF:23481.0/8

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

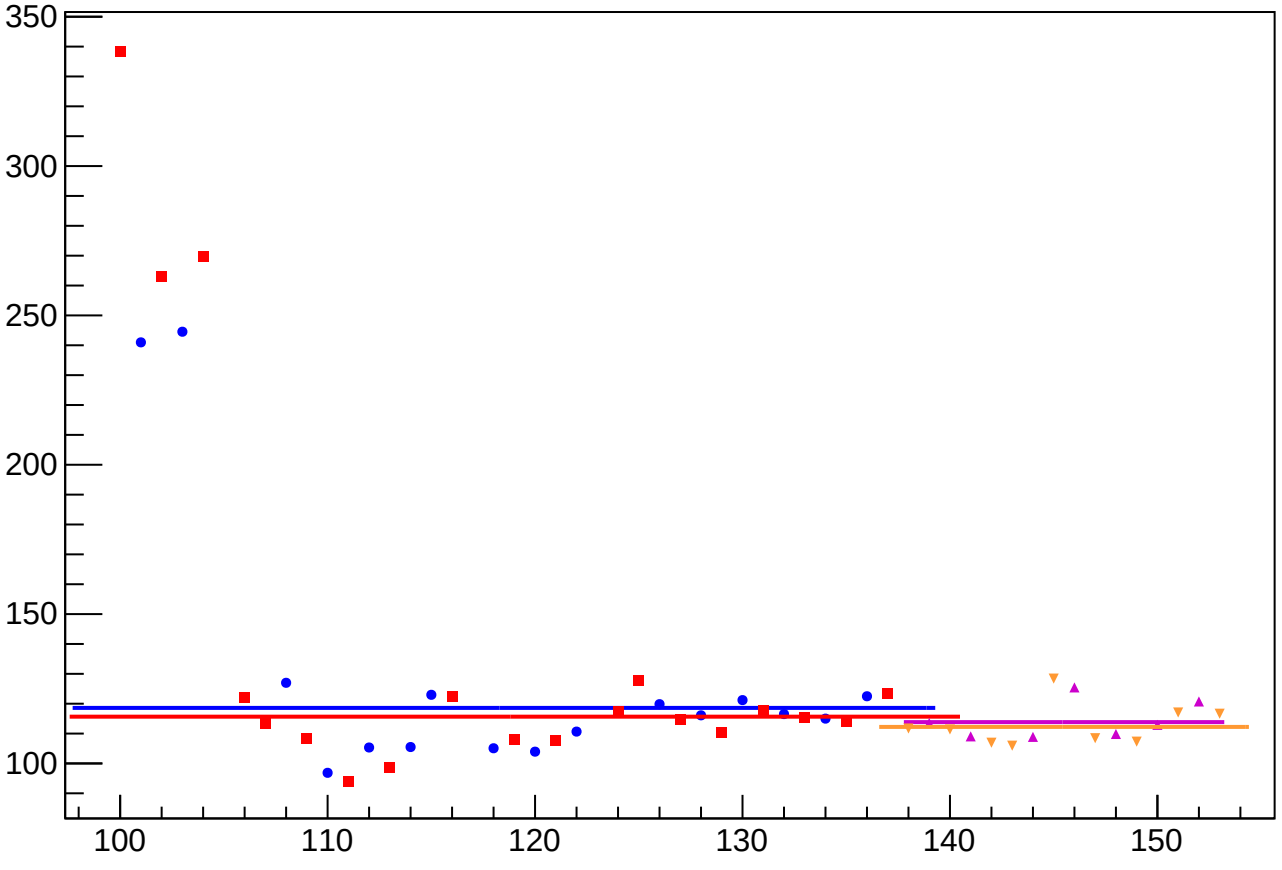
Left In: 5776.871+/-46.669 χ^2/NDF:6476.5/6

+ sign -4441.302+/-31.679 χ^2/NDF: 45049.8/24

All: -540.530+/-22.614 χ^2/NDF: 93347.2/50

- sign 3512.749+/-32.292 χ^2/NDF: 17380.1/25

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 112.229+/-0.030 χ^2/NDF:43184.1/8

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

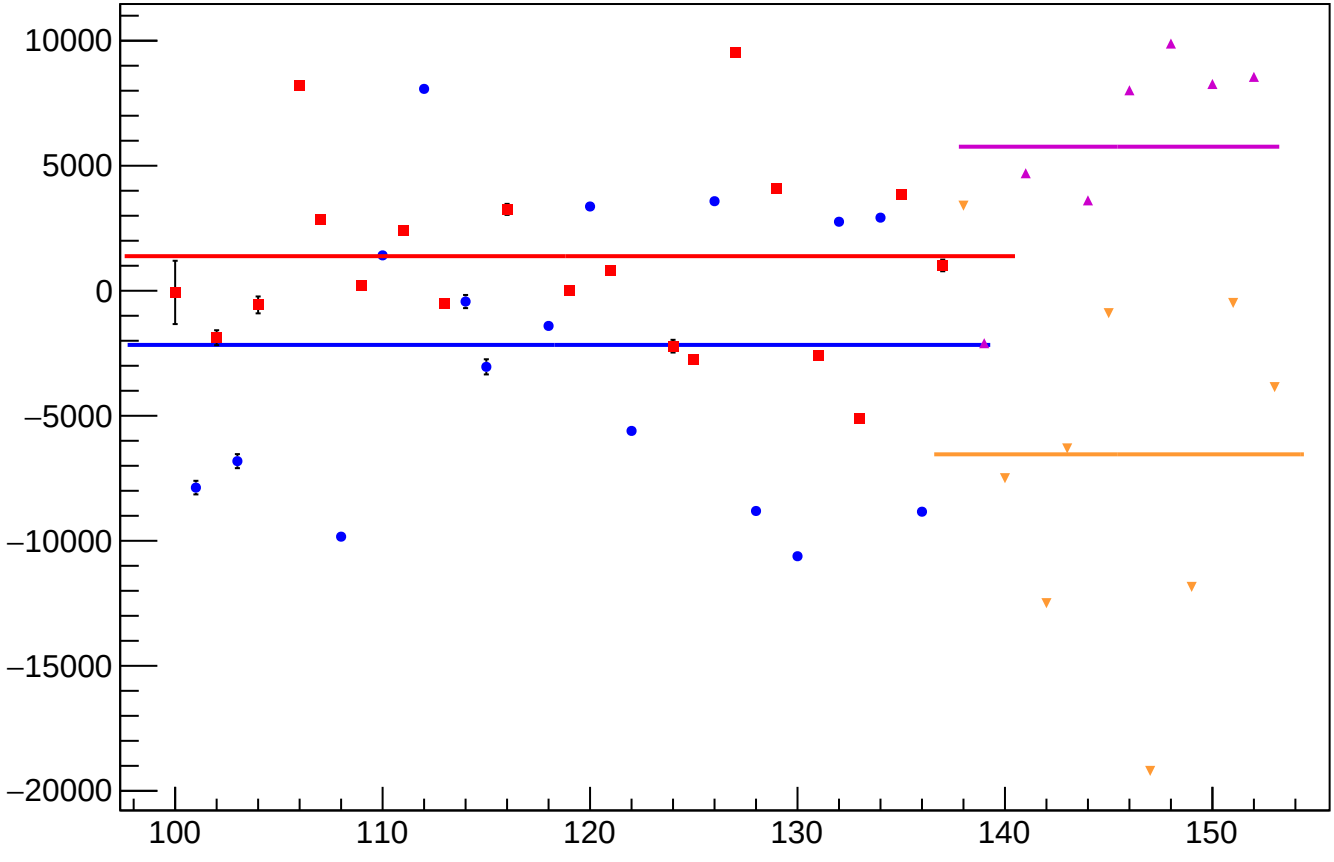
Left In: 113.836+/-0.033 χ^2/NDF:29788.9/6

+ sign 115.156+/-0.022 χ^2/NDF: 797408.5/24

All: 114.975+/-0.016 χ^2/NDF: 1693129.8/50

- sign 114.786+/-0.023 χ^2/NDF: 895587.7/25

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -6541.709+/-39.230 χ^2/NDF:28447.0/8

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

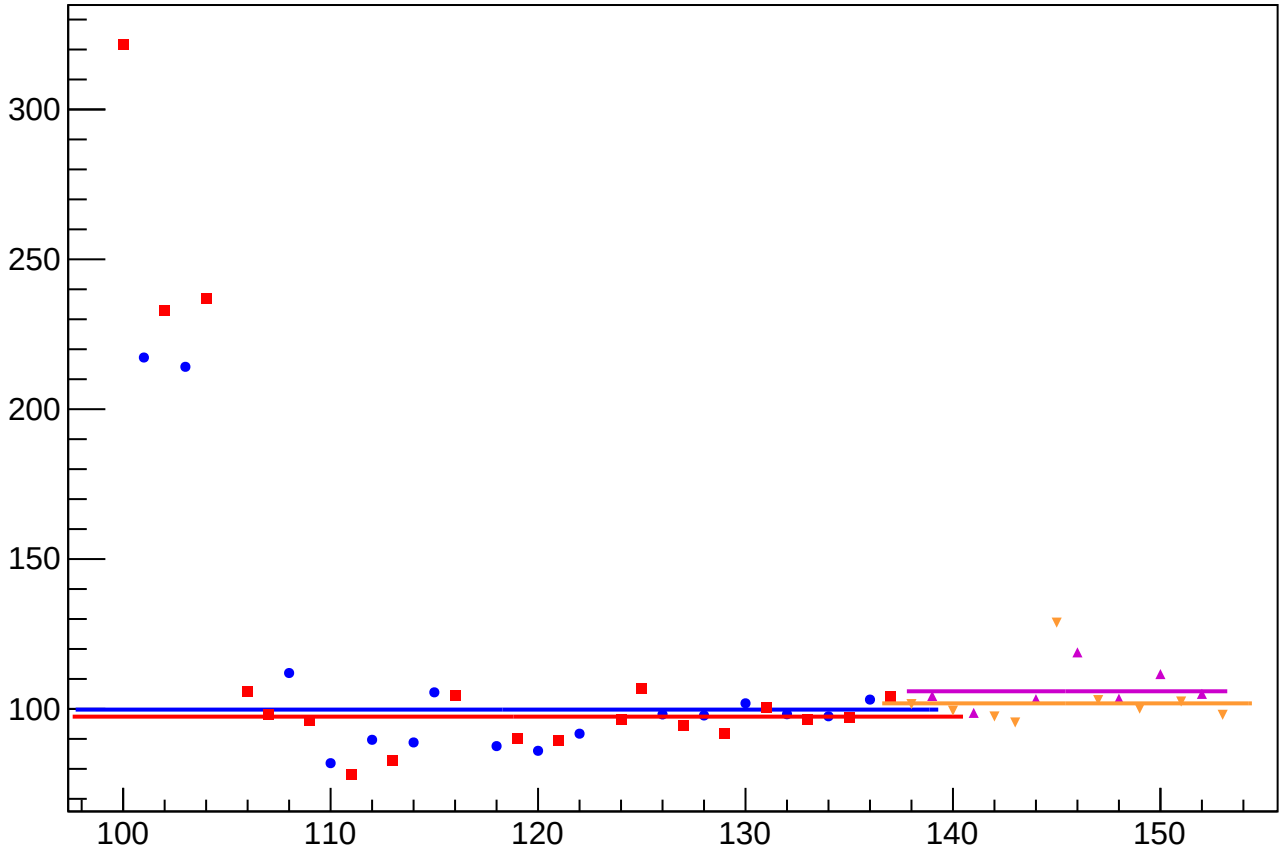
Left In: 5761.235+/-43.472 χ^2/NDF:7684.3/6

+ sign -4376.090+/-27.881 χ^2/NDF: 57479.3/24

All: -646.479+/-19.964 χ^2/NDF: 116788.7/50

- sign 3278.039+/-28.600 χ^2/NDF: 22585.6/25

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 101.853+/-0.028 χ^2/NDF:81497.7/8

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

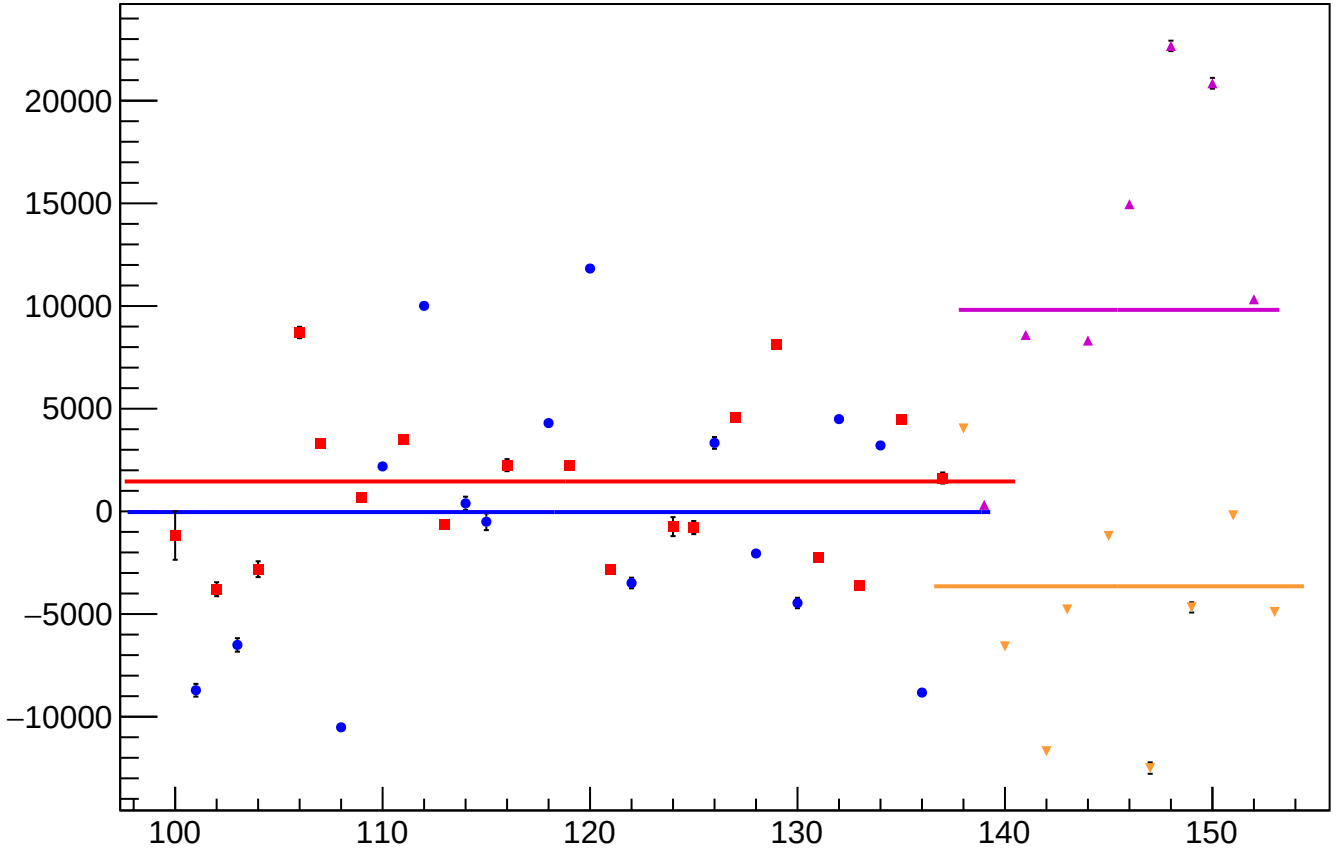
Left In: 105.885+/-0.031 χ^2/NDF:37308.4/6

+ sign 100.824+/-0.020 χ^2/NDF: 893429.6/24

All: 100.953+/-0.014 χ^2/NDF: 1899802.9/50

- sign 101.088+/-0.020 χ^2/NDF: 1006286.3/25

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3648.833+/-62.038 χ^2/NDF:5580.8/8

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

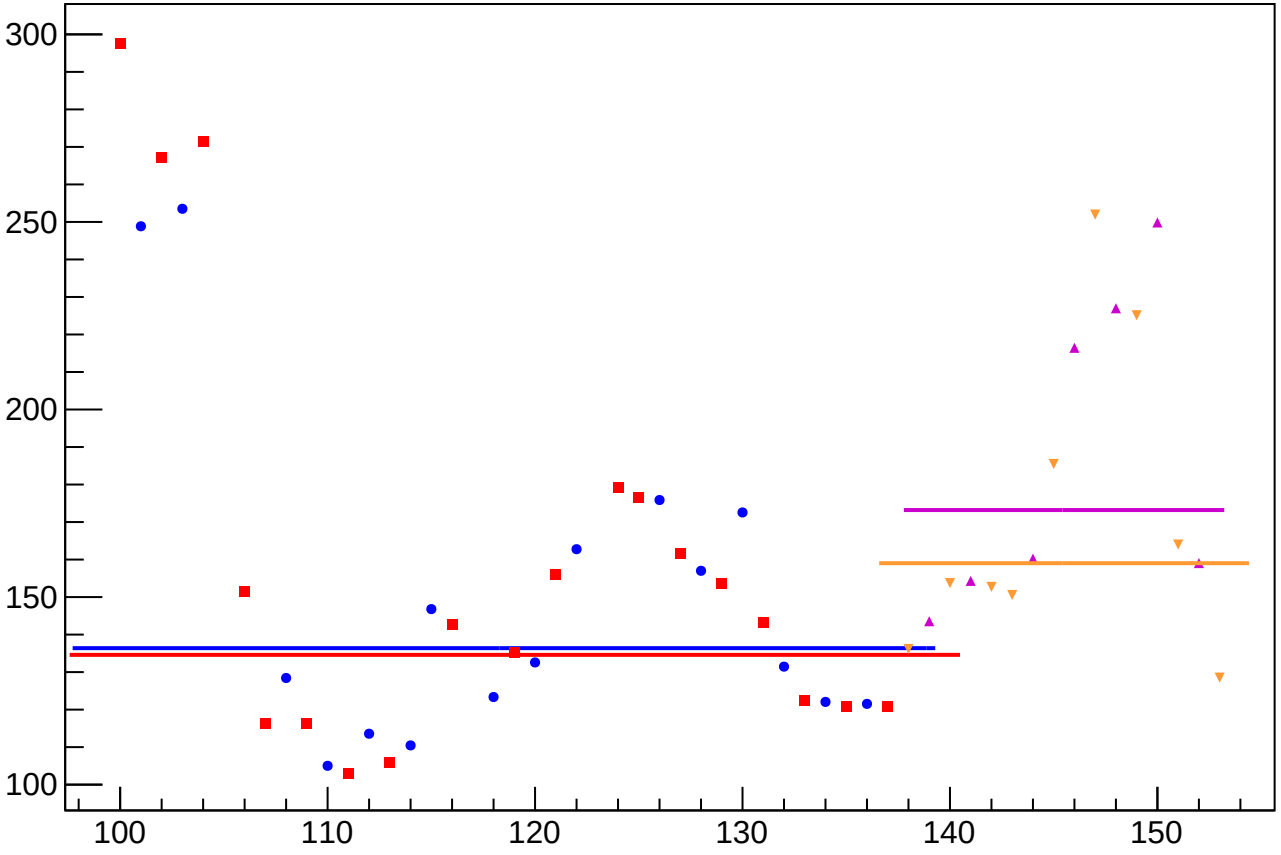
Left In: 9813.512+/-72.363 χ^2/NDF:8501.7/6

+ sign -1574.990+/-40.500 χ^2/NDF: 24331.1/24

All: 1241.204+/-29.220 χ^2/NDF: 55835.7/50

- sign 4298.581+/-42.199 χ^2/NDF: 21420.1/25

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 159.033+/-0.044 χ^2/NDF:544100.9/8

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

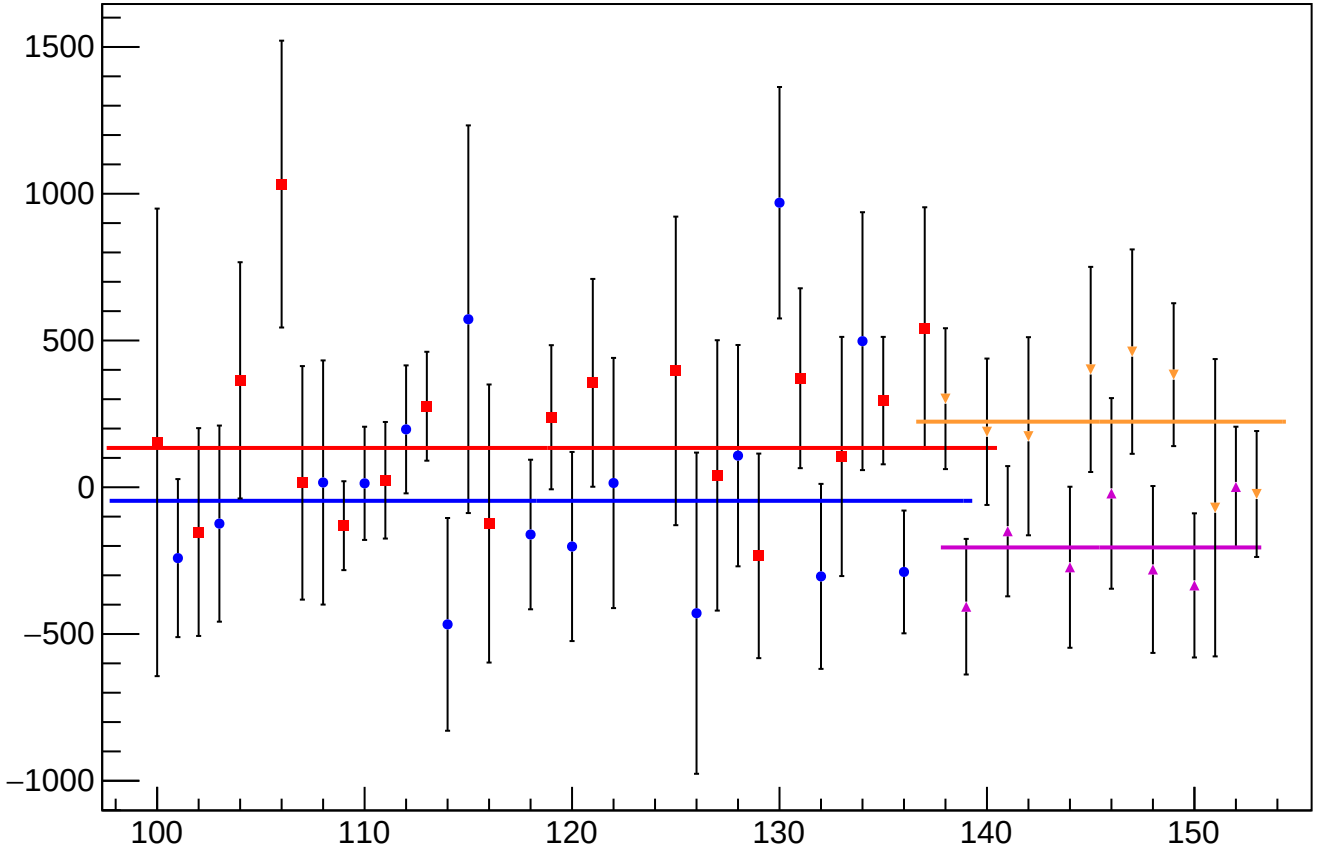
Left In: 173.197+/-0.051 χ^2/NDF:448778.0/6

+ sign 146.037+/-0.029 χ^2/NDF: 1493931.7/24

All: 146.846+/-0.021 χ^2/NDF: 3239515.0/50

- sign 147.725+/-0.030 χ^2/NDF: 1743916.9/25

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 223.500+/-99.424 χ^2/NDF:3.0/7

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

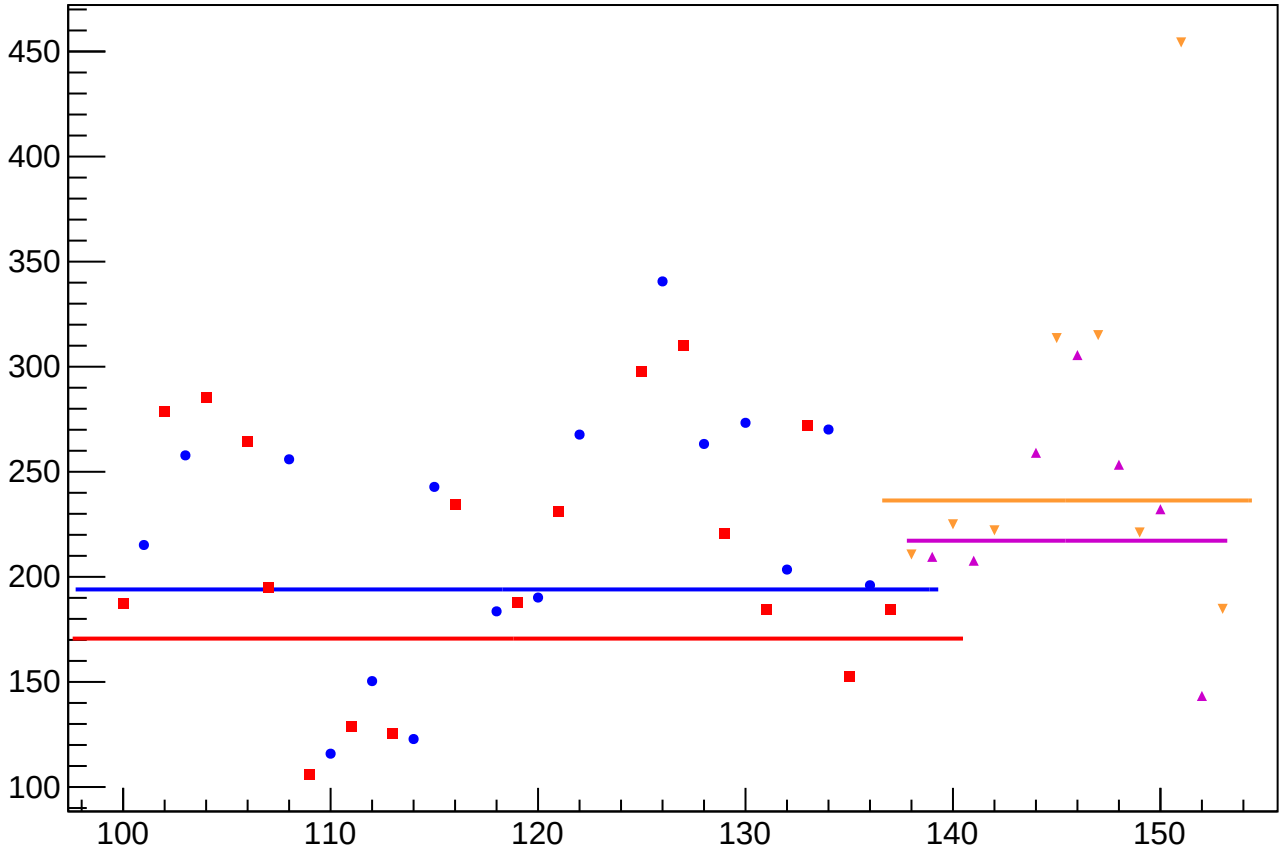
Left In: -205.015+/-93.456 χ^2/NDF:2.6/6

+ sign 53.737+/-60.521 χ^2/NDF: 23.1/23

All: 32.951+/-40.785 χ^2/NDF: 47.2/48

- sign 15.657+/-55.203 χ^2/NDF: 24.0/24

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 236.348+/-0.070 χ^2/NDF:724267.4/7

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

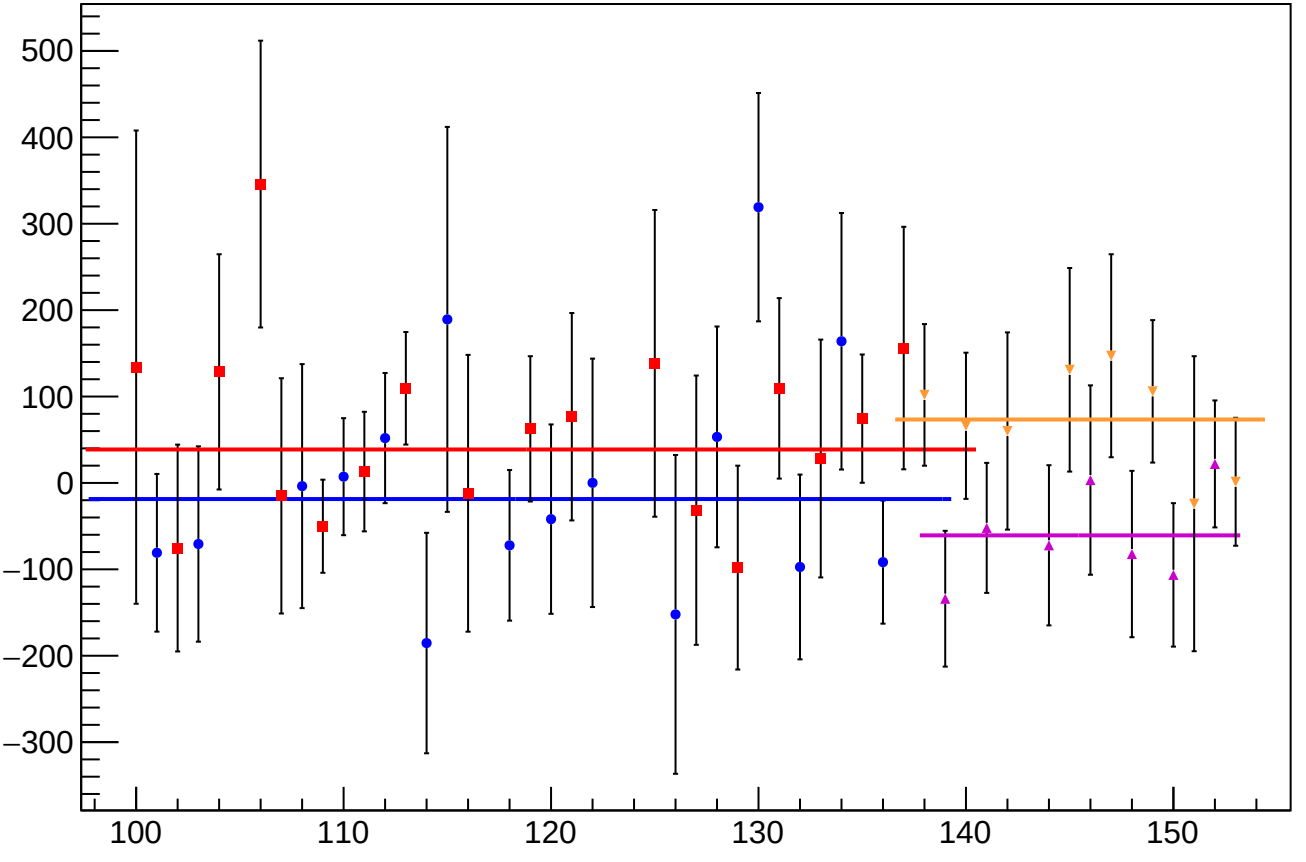
Left In: 217.202+/-0.066 χ^2/NDF:499089.7/6

+ sign 209.702+/-0.043 χ^2/NDF: 1996065.7/23

All: 197.242+/-0.029 χ^2/NDF: 4567665.3/48

- sign 186.875+/-0.039 χ^2/NDF: 2416290.8/24

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 73.421+/-33.833 χ^2/NDF:2.2/7

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

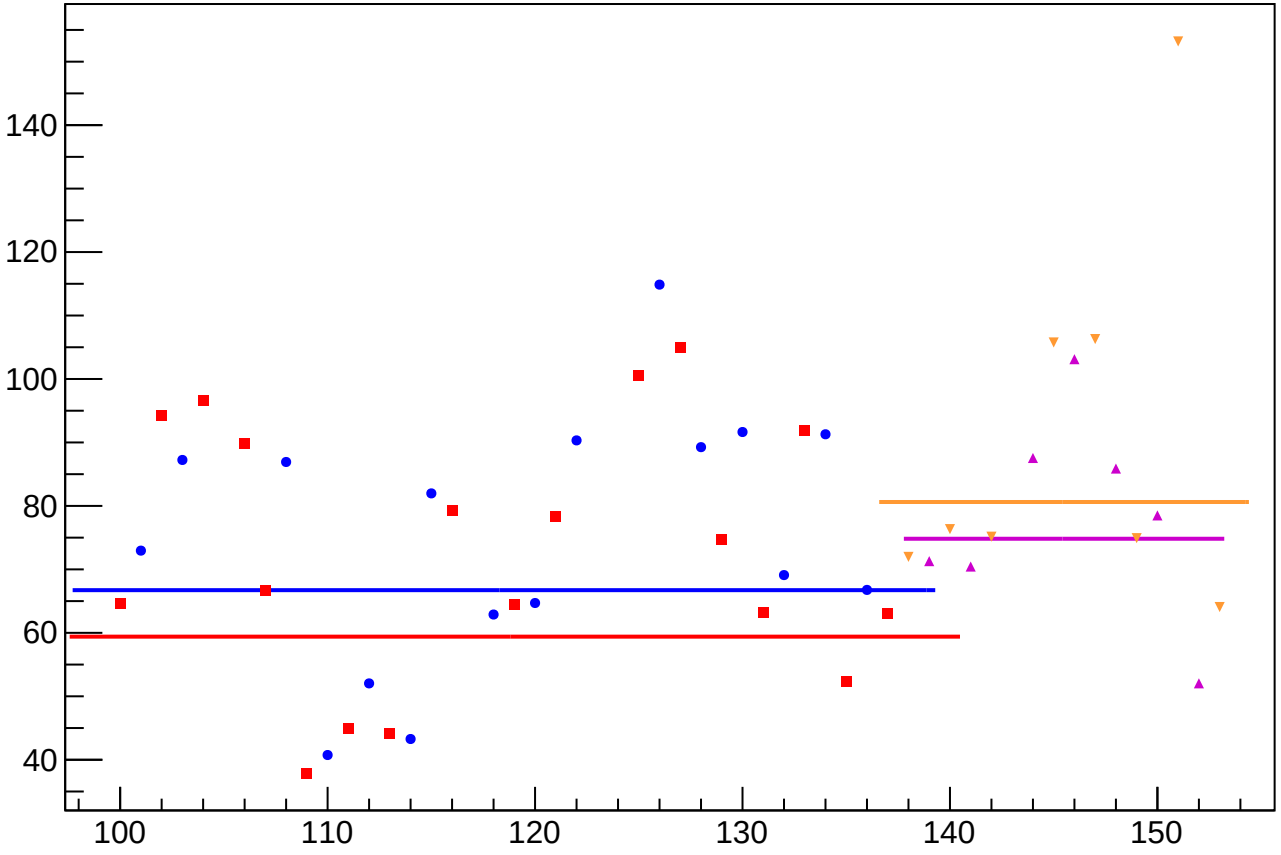
Left In: -60.691+/-32.005 χ^2/NDF:2.9/6

+ sign 15.741+/-20.677 χ^2/NDF: 22.1/23

All: 9.167+/-13.999 χ^2/NDF: 44.0/48

- sign 3.603+/-19.021 χ^2/NDF: 21.7/24

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 80.617+/-0.024 χ^2/NDF:689310.4/7

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

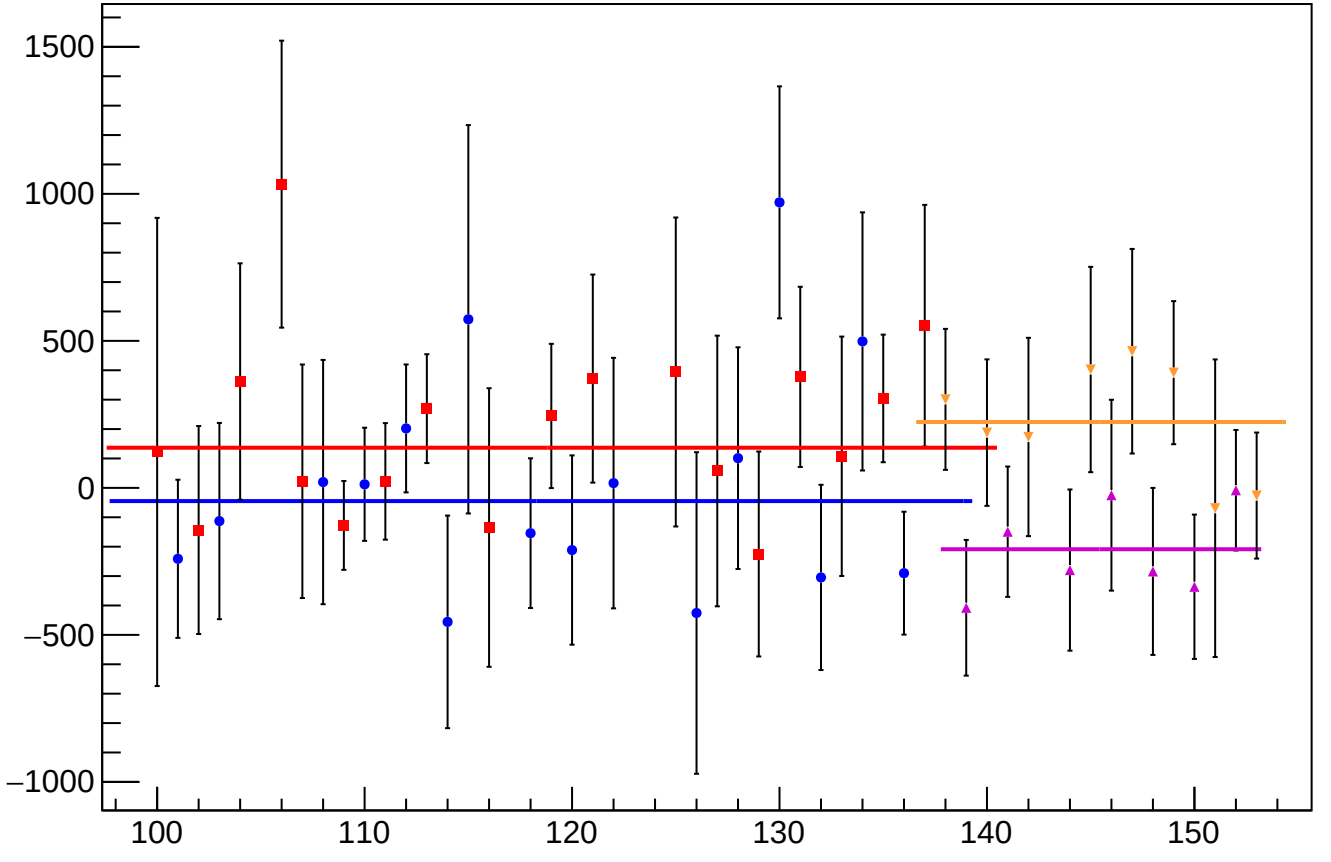
Left In: 74.826+/-0.023 χ^2/NDF:404308.7/6

+ sign 71.913+/-0.015 χ^2/NDF: 1847629.6/23

All: 68.087+/-0.010 χ^2/NDF: 4124225.7/48

- sign 64.849+/-0.013 χ^2/NDF: 2150158.4/24

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 224.078+/-99.341 χ^2/NDF:3.1/7

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

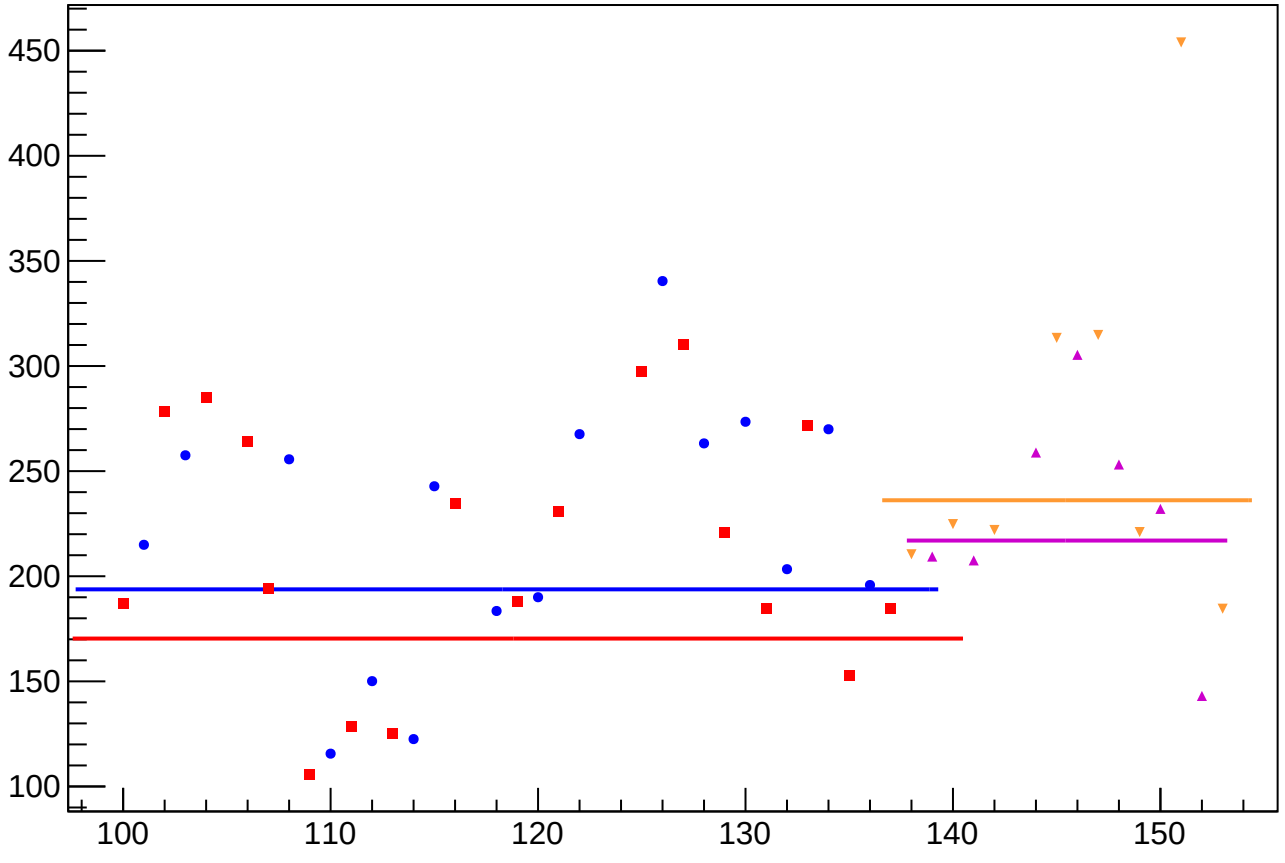
Left In: -208.694+/-93.368 χ^2/NDF:2.5/6

\+ sign 54.722+/-60.461 χ^2/NDF: 23.1/23

All: 33.676+/-40.740 χ^2/NDF: 47.6/48

\- sign 16.173+/-55.137 χ^2/NDF: 24.3/24

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 236.146+/-0.070 χ^2/NDF:724627.5/7

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

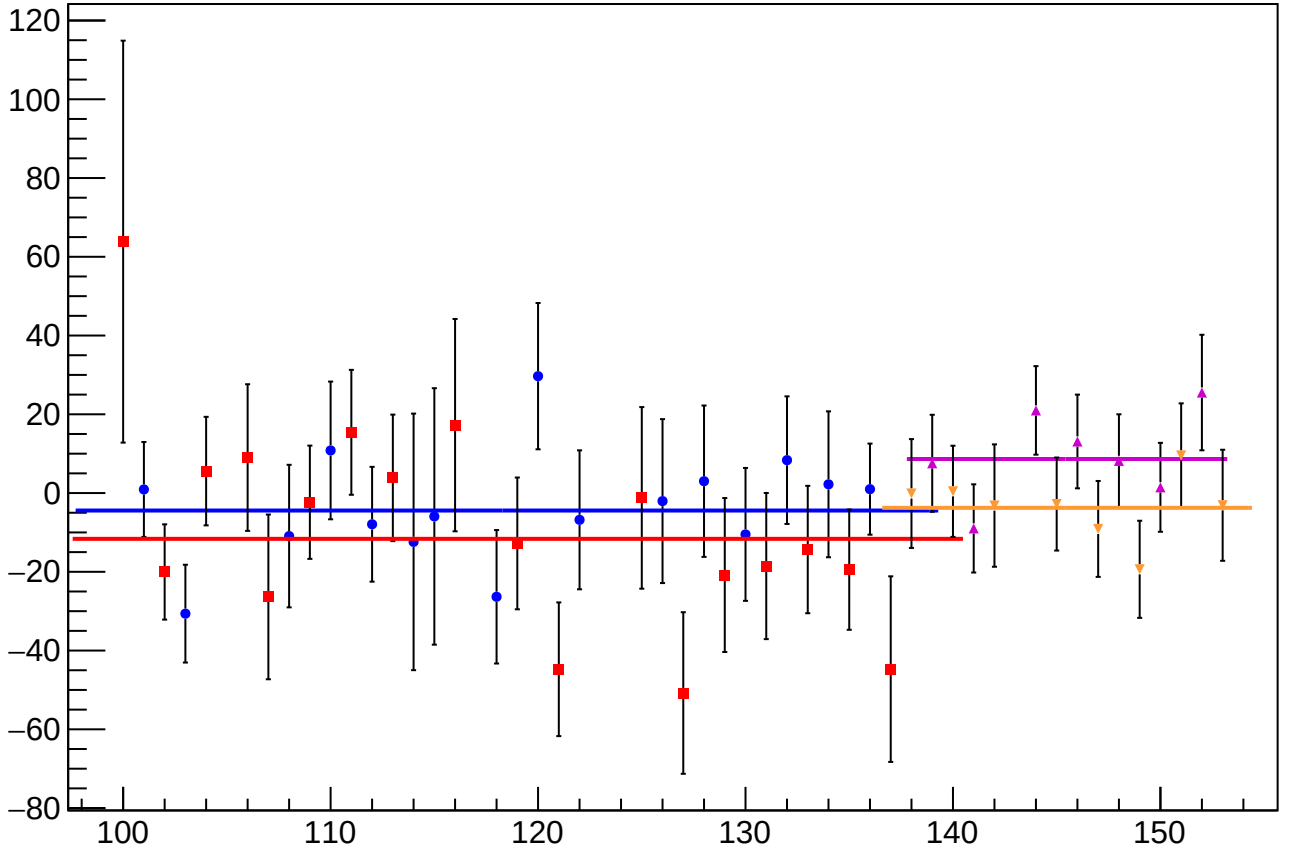
Left In: 216.978+/-0.066 χ^2/NDF:500730.3/6

+ sign 209.465+/-0.043 χ^2/NDF: 2001871.5/23

All: 196.990+/-0.029 χ^2/NDF: 4582331.9/48

- sign 186.616+/-0.039 χ^2/NDF: 2424505.2/24

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -3.754+/-4.561 χ^2/NDF:3.0/7

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

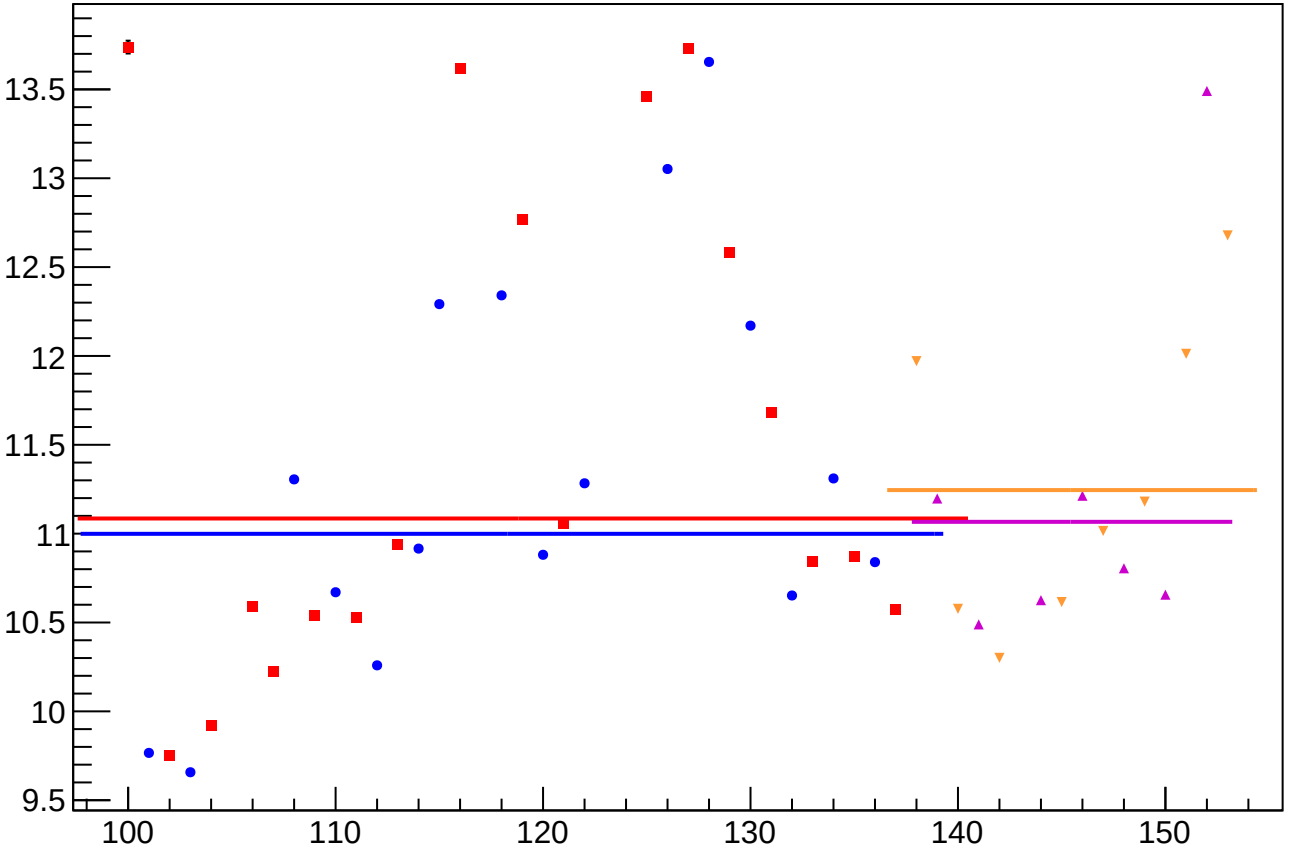
Left In: 8.647+/-4.510 χ^2/NDF:5.6/6

+ sign -4.131+/-3.062 χ^2/NDF: 15.0/23

All: -3.243+/-2.160 χ^2/NDF: 53.4/48

- sign -2.363+/-3.048 χ^2/NDF: 38.2/24

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.245+/-0.003 χ^2/NDF:53395.5/7

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

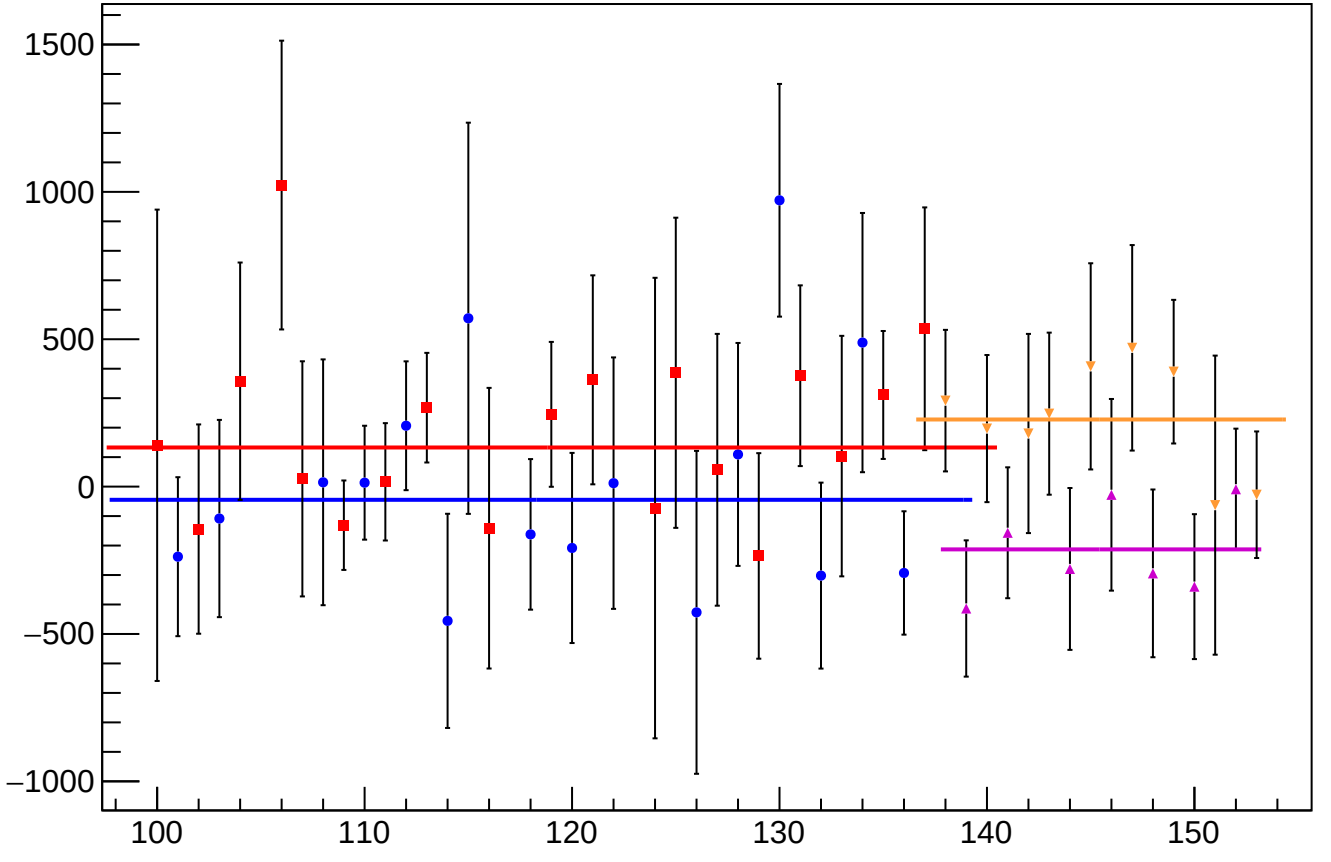
Left In: 11.067+/-0.003 χ^2/NDF:67185.5/6

+ sign 11.110+/-0.002 χ^2/NDF: 192753.4/23

All: 11.093+/-0.002 χ^2/NDF: 422280.3/48

- sign 11.077+/-0.002 χ^2/NDF: 229408.7/24

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 227.720+/-93.579 χ^2/NDF:3.0/8

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

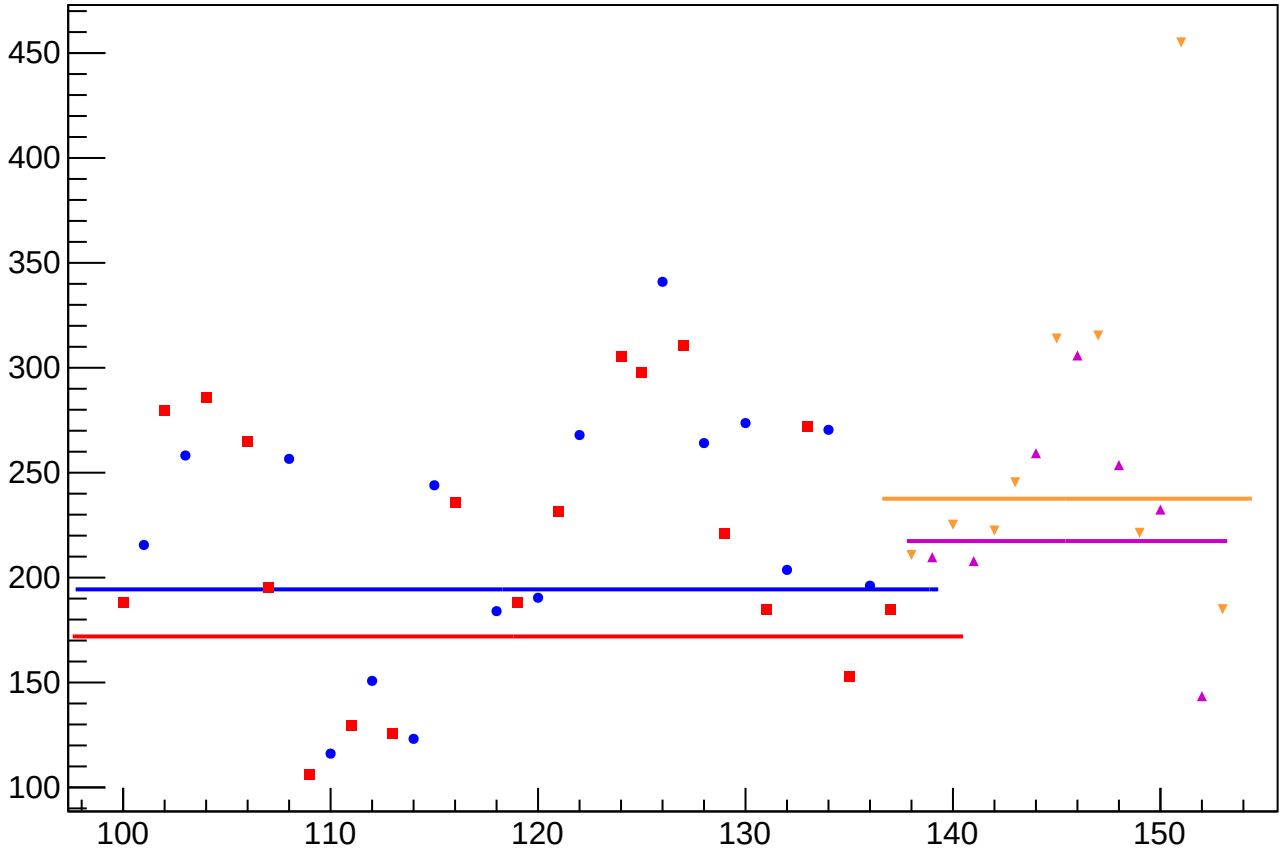
Left In: -213.014+/-93.549 χ^2/NDF:2.5/6

+ sign 64.239+/-59.192 χ^2/NDF: 23.6/24

All: 36.586+/-40.349 χ^2/NDF: 48.3/50

- sign 12.583+/-55.146 χ^2/NDF: 24.3/25

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 237.591+/-0.066 χ^2/NDF:726978.0/8

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

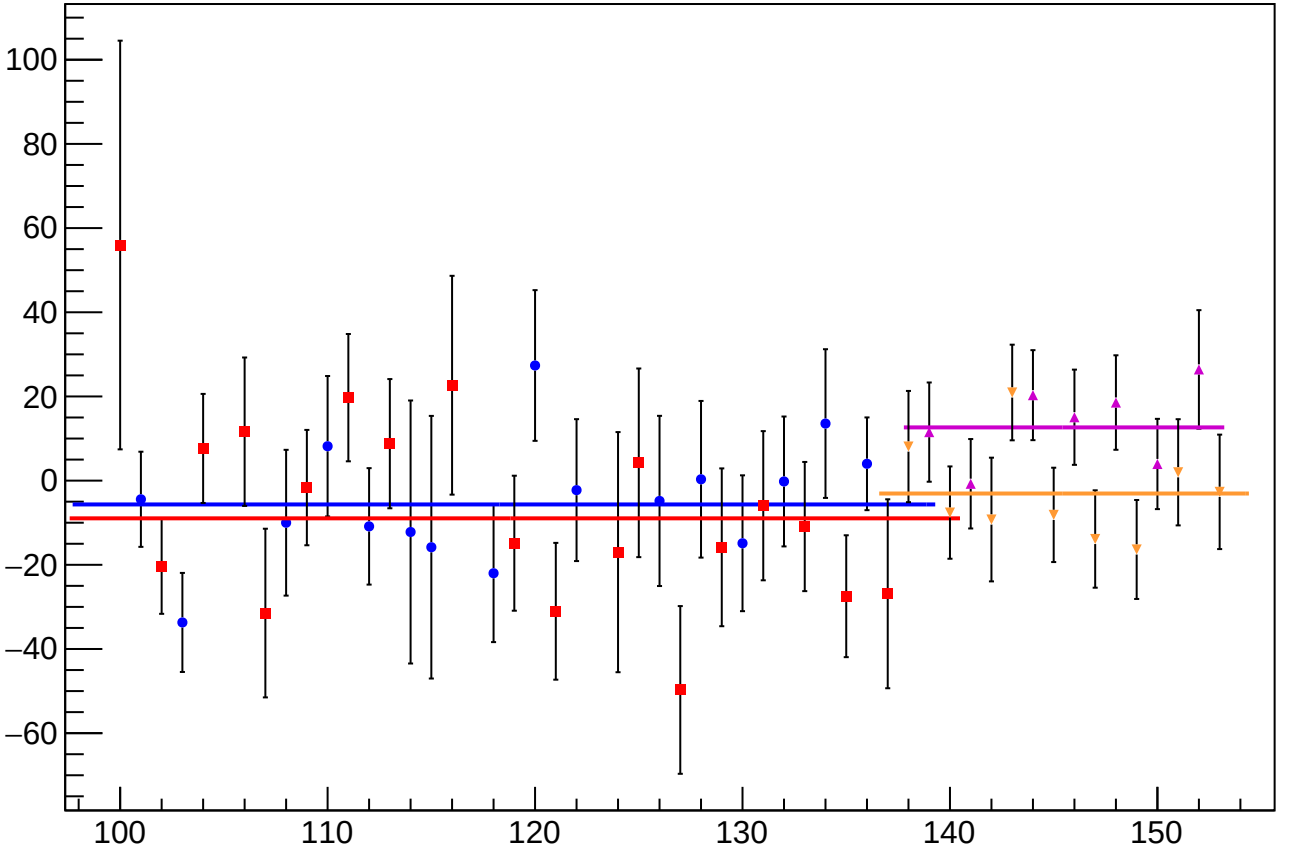
Left In: 217.413+/-0.066 χ^2/NDF:499111.3/6

+ sign 211.672+/-0.042 χ^2/NDF: 2024759.9/24

All: 198.864+/-0.029 χ^2/NDF: 4658349.0/50

- sign 187.748+/-0.039 χ^2/NDF: 2458683.7/25

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -3.062+/-4.056 χ^2/NDF:8.0/8

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

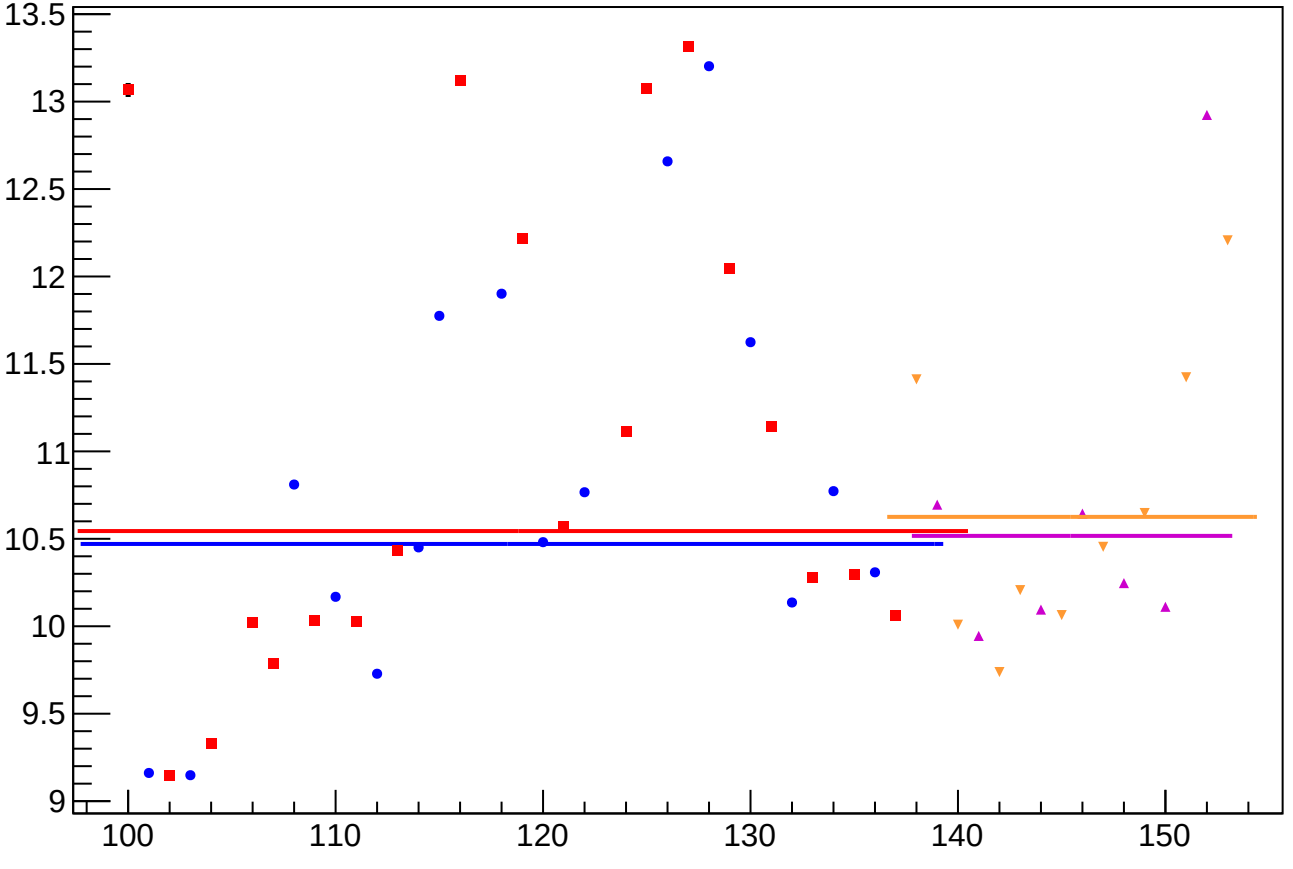
Left In: 12.647+/-4.292 χ^2/NDF:4.0/6

+ sign -4.398+/-2.826 χ^2/NDF: 21.9/24

All: -1.846+/-2.019 χ^2/NDF: 64.3/50

- sign 0.815+/-2.887 χ^2/NDF: 40.7/25

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.625+/-0.003 χ^2/NDF:63939.2/8

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

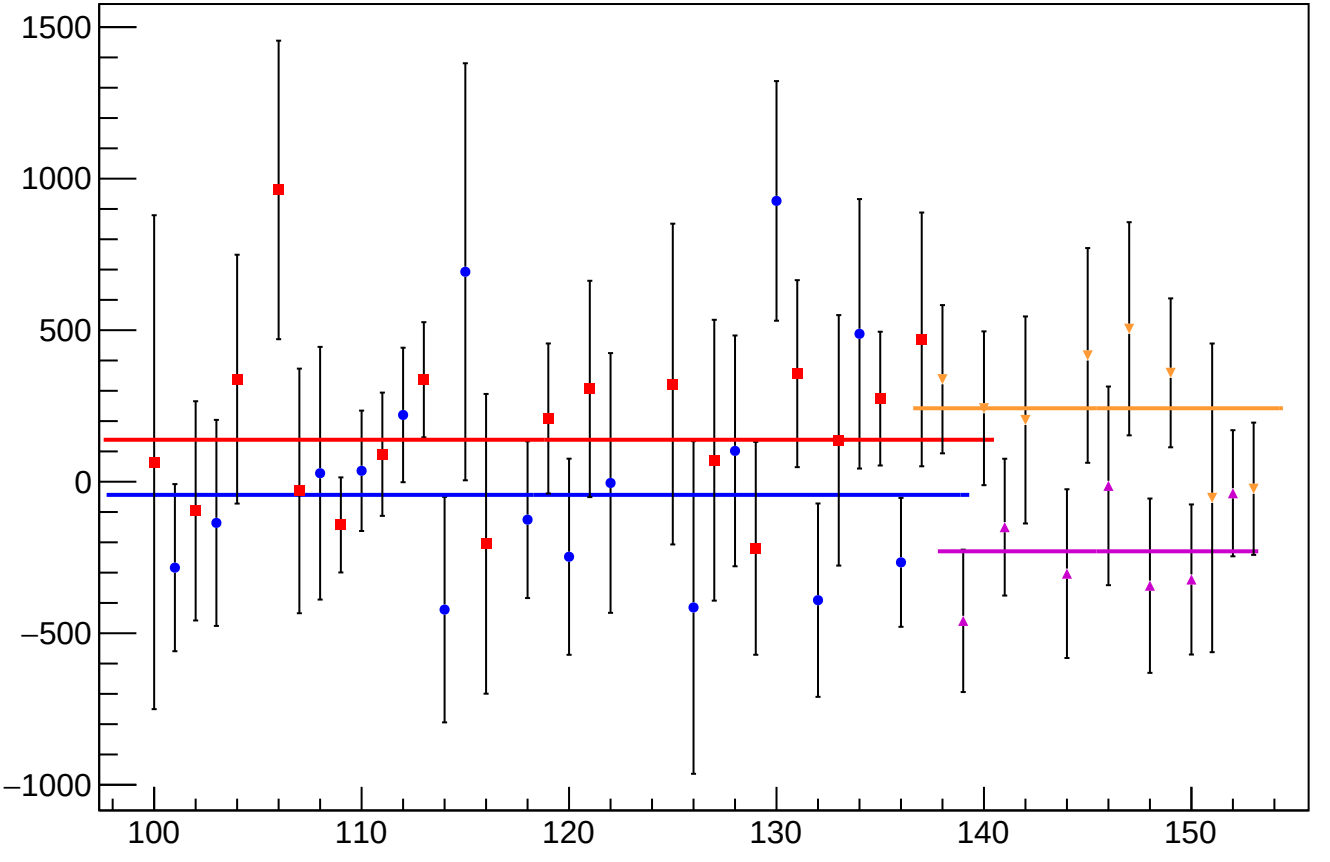
Left In: 10.517+/-0.003 χ^2/NDF:72084.0/6

+ sign 10.546+/-0.002 χ^2/NDF: 222805.0/24

All: 10.539+/-0.001 χ^2/NDF: 481738.1/50

- sign 10.532+/-0.002 χ^2/NDF: 258909.6/25

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 242.359+/-100.862 χ^2/NDF:3.0/7

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

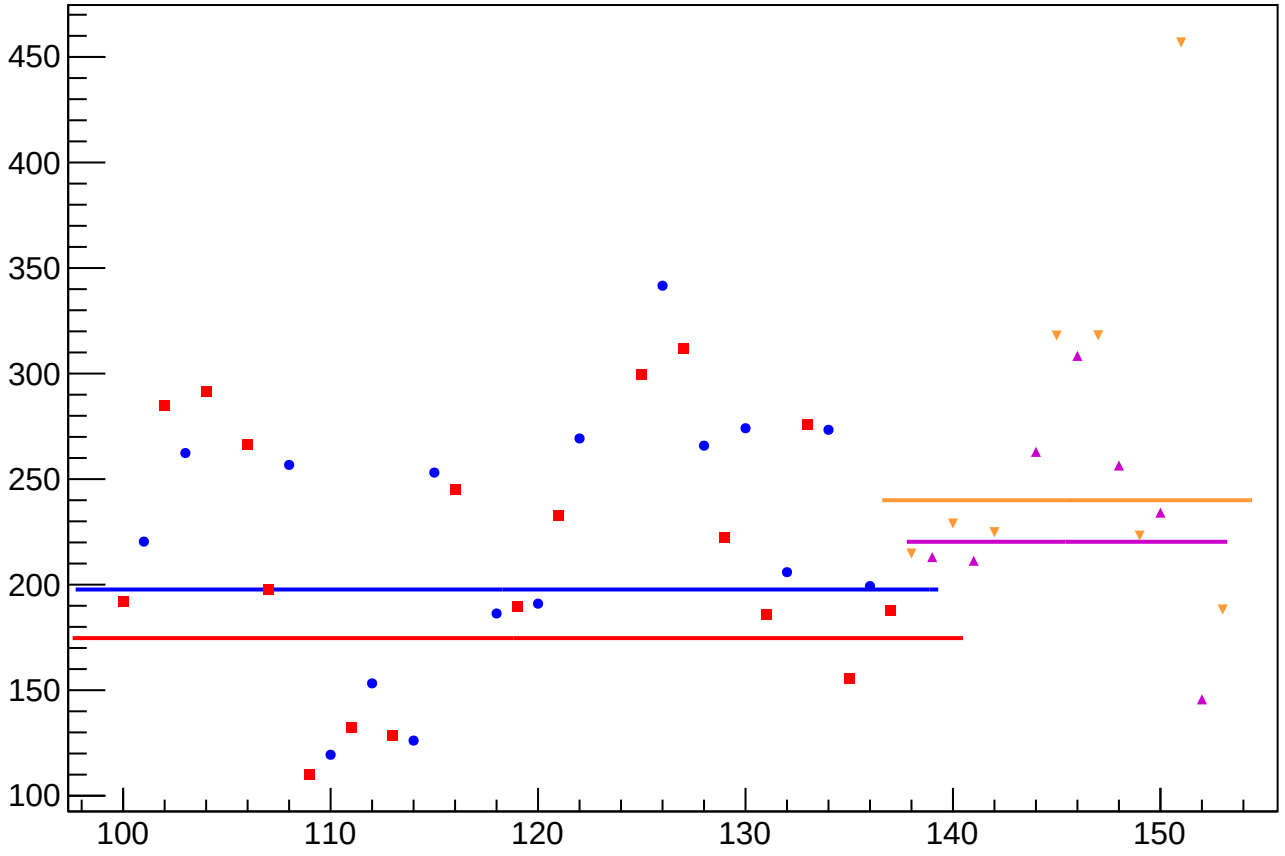
Left In: -229.605+/-94.721 χ^2/NDF:2.7/6

+ sign 62.837+/-61.495 χ^2/NDF: 23.5/23

All: 33.422+/-41.489 χ^2/NDF: 47.9/48

- sign 8.847+/-56.209 χ^2/NDF: 24.0/24

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 240.003+/-0.071 χ^2/NDF:709405.3/7

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

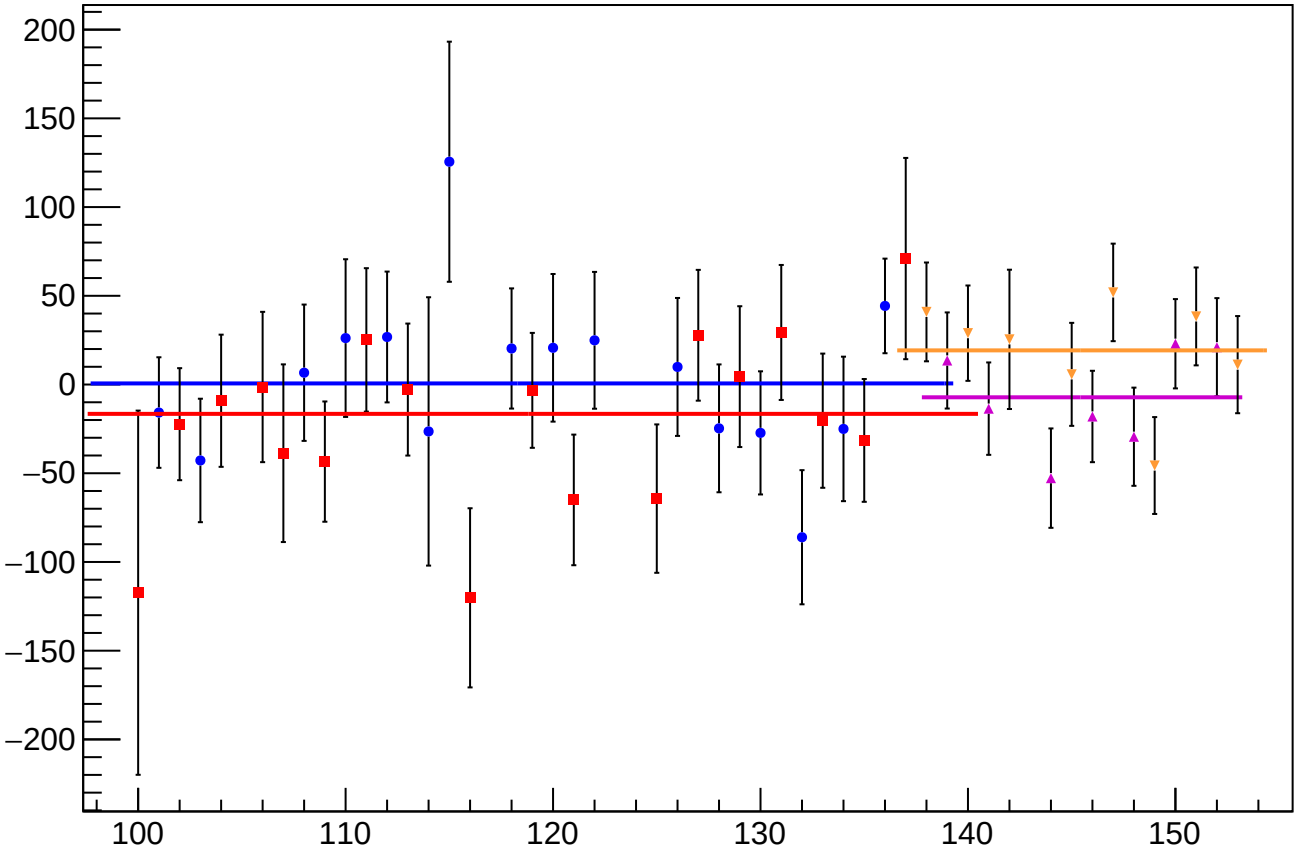
Left In: 220.316+/-0.067 χ^2/NDF:491501.9/6

+ sign 213.430+/-0.043 χ^2/NDF: 1930691.6/23

All: 201.073+/-0.029 χ^2/NDF: 4405951.3/48

- sign 190.749+/-0.040 χ^2/NDF: 2327035.9/24

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 19.243+/-10.088 χ^2/NDF:8.6/7

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

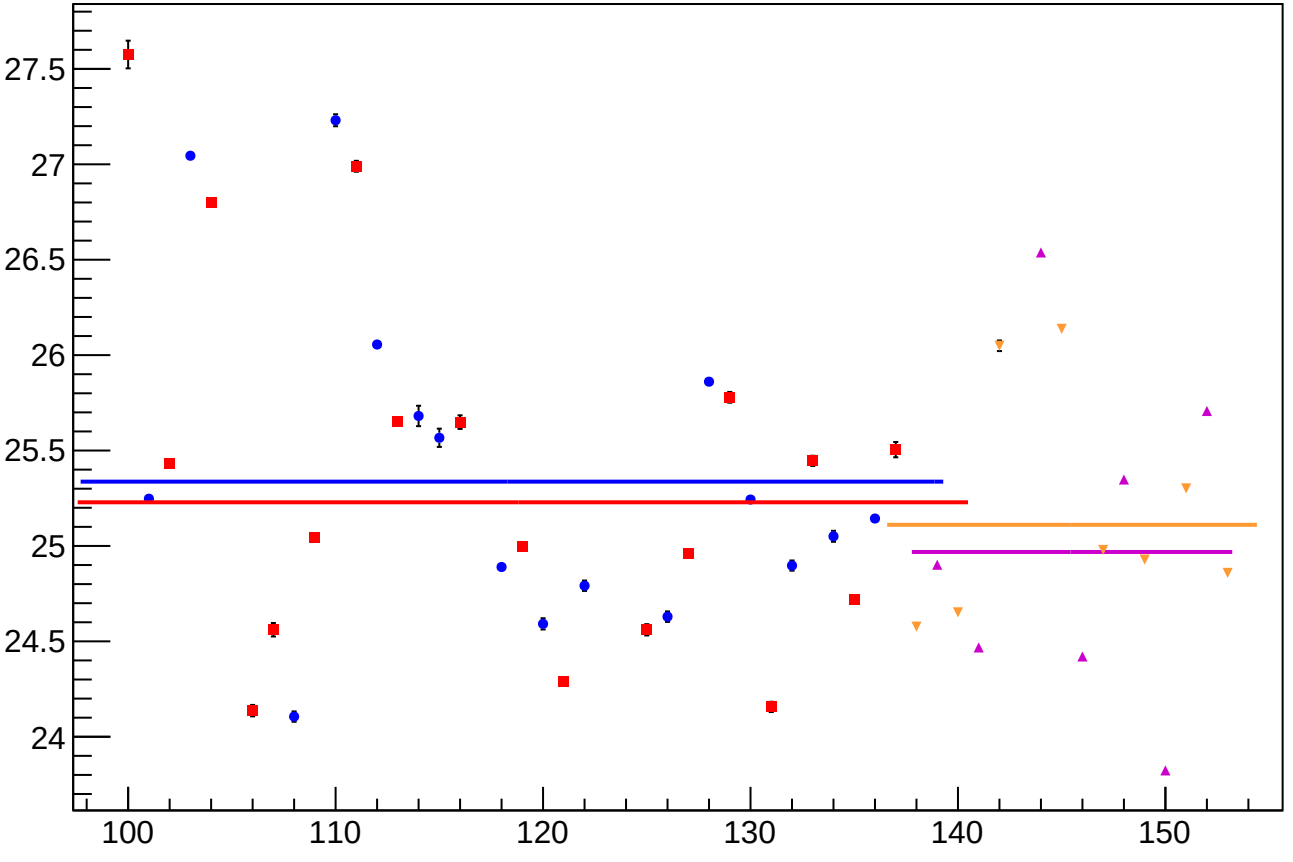
Left In: -7.199+/-10.094 χ^2/NDF:6.6/6

+ sign 9.296+/-6.886 χ^2/NDF: 27.2/23

All: -1.542+/-4.854 χ^2/NDF: 55.5/48

- sign -12.245+/-6.842 χ^2/NDF: 23.4/24

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.111+/-0.007 χ^2/NDF:5365.9/7

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

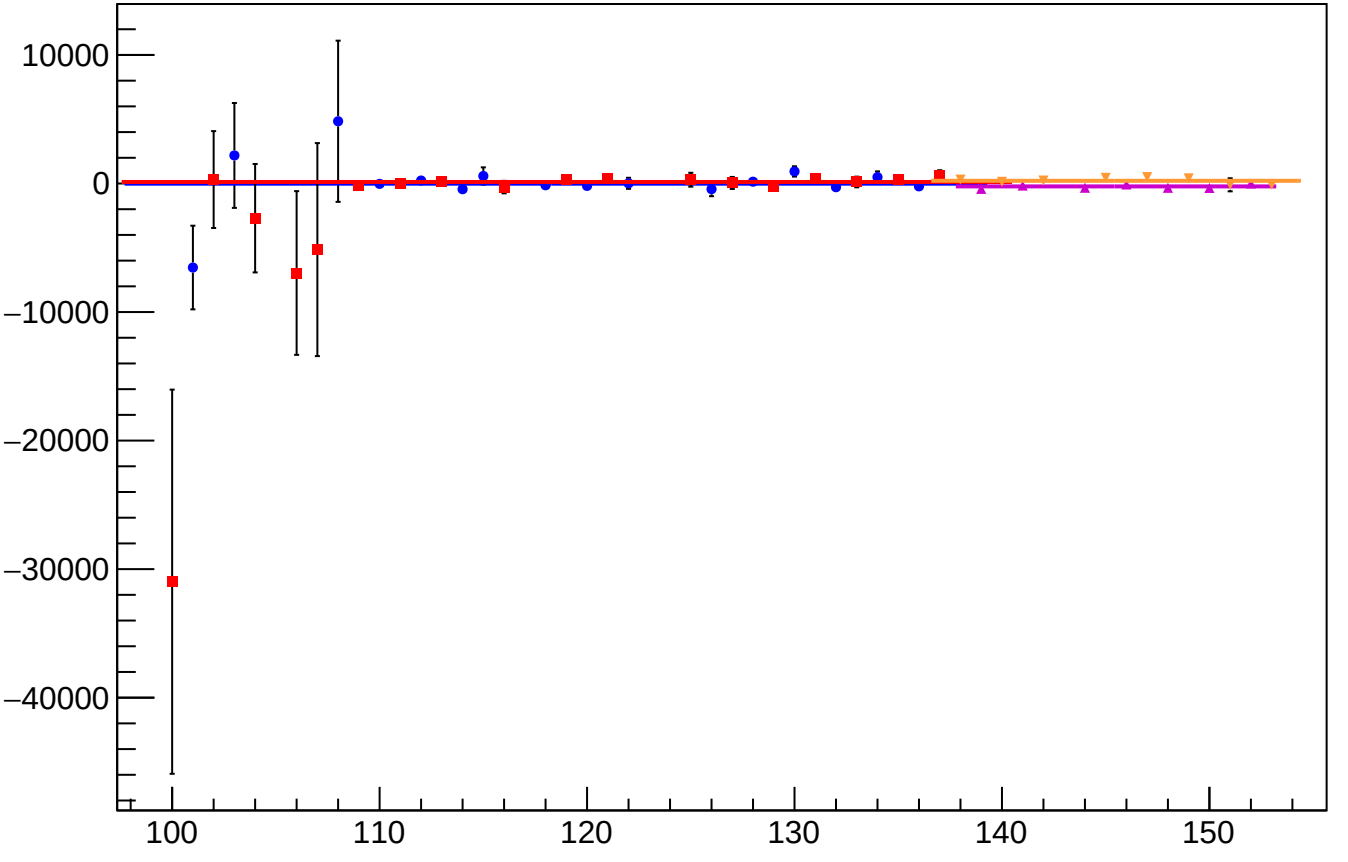
Left In: 24.968+/-0.007 χ^2/NDF:13879.3/6

\+ sign 25.232+/-0.005 χ^2/NDF: 20218.3/23

All: 25.170+/-0.003 χ^2/NDF: 50311.2/48

\- sign 25.109+/-0.005 χ^2/NDF: 29774.6/24

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 210.996+/-101.972 χ^2/NDF:4.0/7

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

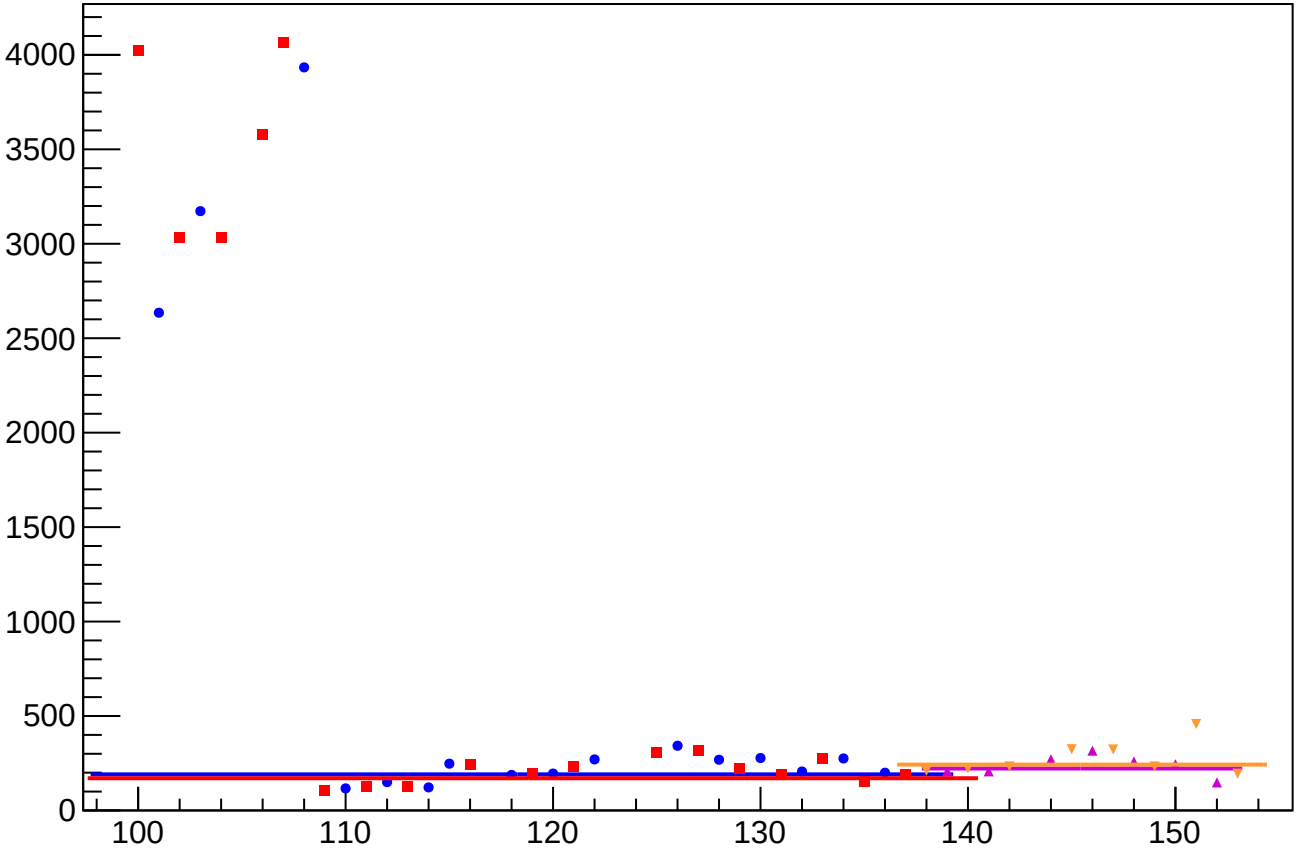
Left In: -226.123+/-95.530 χ^2/NDF:2.6/6

+ sign 78.039+/-65.043 χ^2/NDF: 25.2/23

All: 26.047+/-44.312 χ^2/NDF: 51.3/48

- sign -18.985+/-60.533 χ^2/NDF: 24.9/24

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 242.777+/-0.072 χ^2/NDF:704654.7/7

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

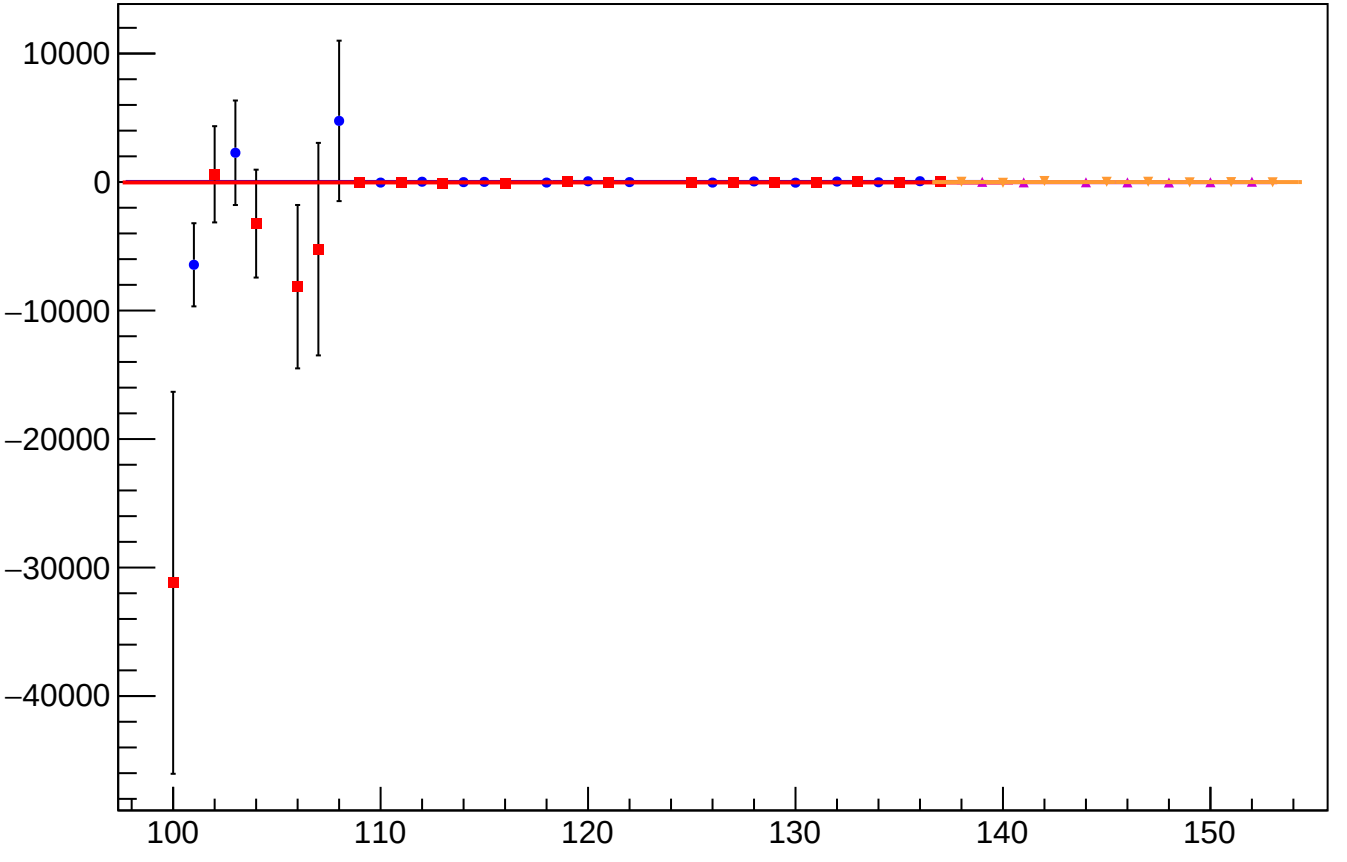
Left In: 221.971+/-0.068 χ^2/NDF:524890.2/6

+ sign 212.107+/-0.046 χ^2/NDF: 4843632.0/23

All: 200.884+/-0.031 χ^2/NDF: 10082030.5/48

- sign 191.163+/-0.043 χ^2/NDF: 5127269.7/24

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -2.210+/-11.822 χ^2/NDF:8.6/7

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

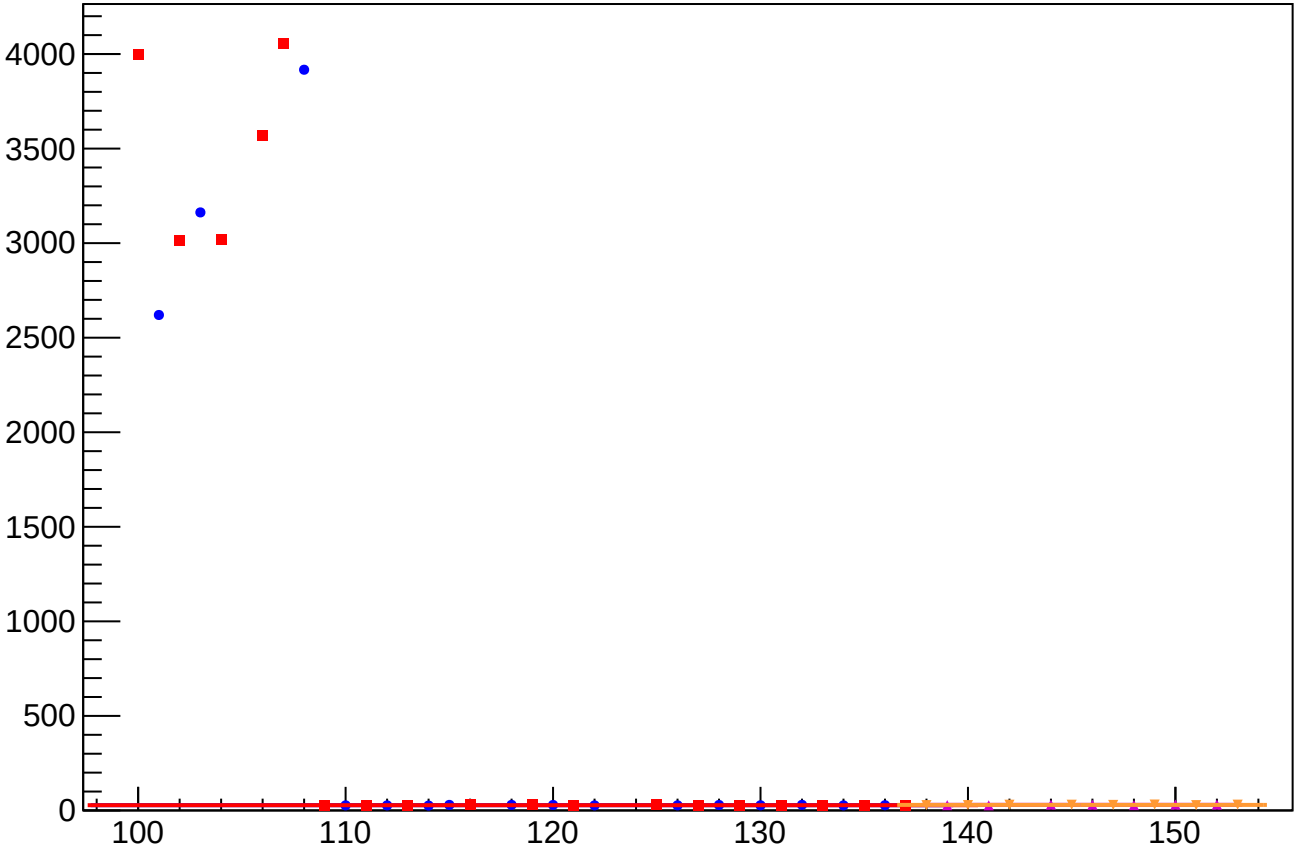
Left In: -10.524+/-12.034 χ^2/NDF:2.7/6

+ sign 2.161+/-8.339 χ^2/NDF: 27.2/23

All: -8.961+/-5.962 χ^2/NDF: 54.8/48

- sign -20.590+/-8.527 χ^2/NDF: 24.0/24

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.368+/-0.008 χ^2/NDF:19368.8/7

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

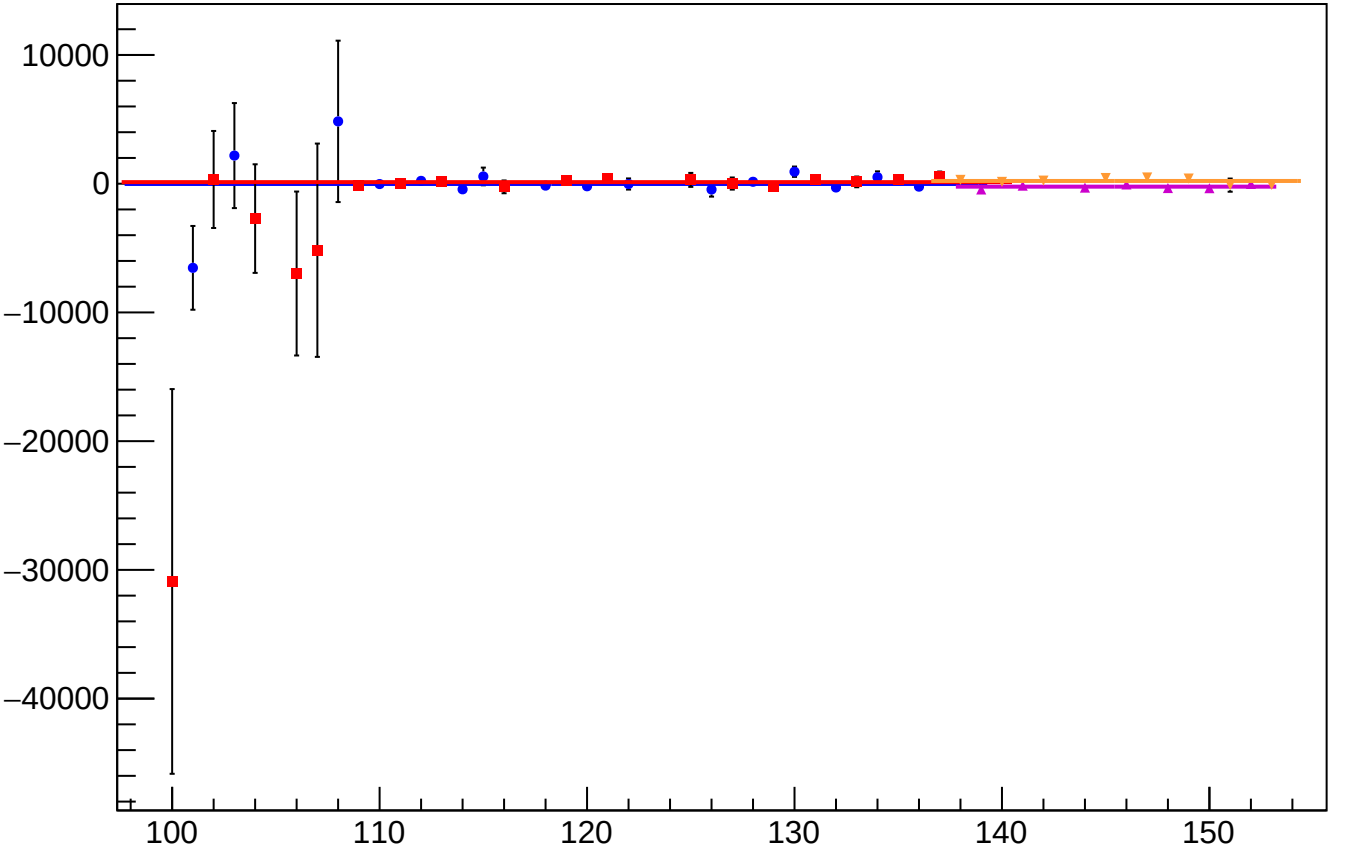
Left In: 29.679+/-0.009 χ^2/NDF:40158.3/6

+ sign 28.593+/-0.006 χ^2/NDF: 3302386.7/23

All: 28.661+/-0.004 χ^2/NDF: 6926054.3/48

- sign 28.732+/-0.006 χ^2/NDF: 3623393.1/24

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 212.133+/-102.526 χ^2/NDF:3.9/7

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

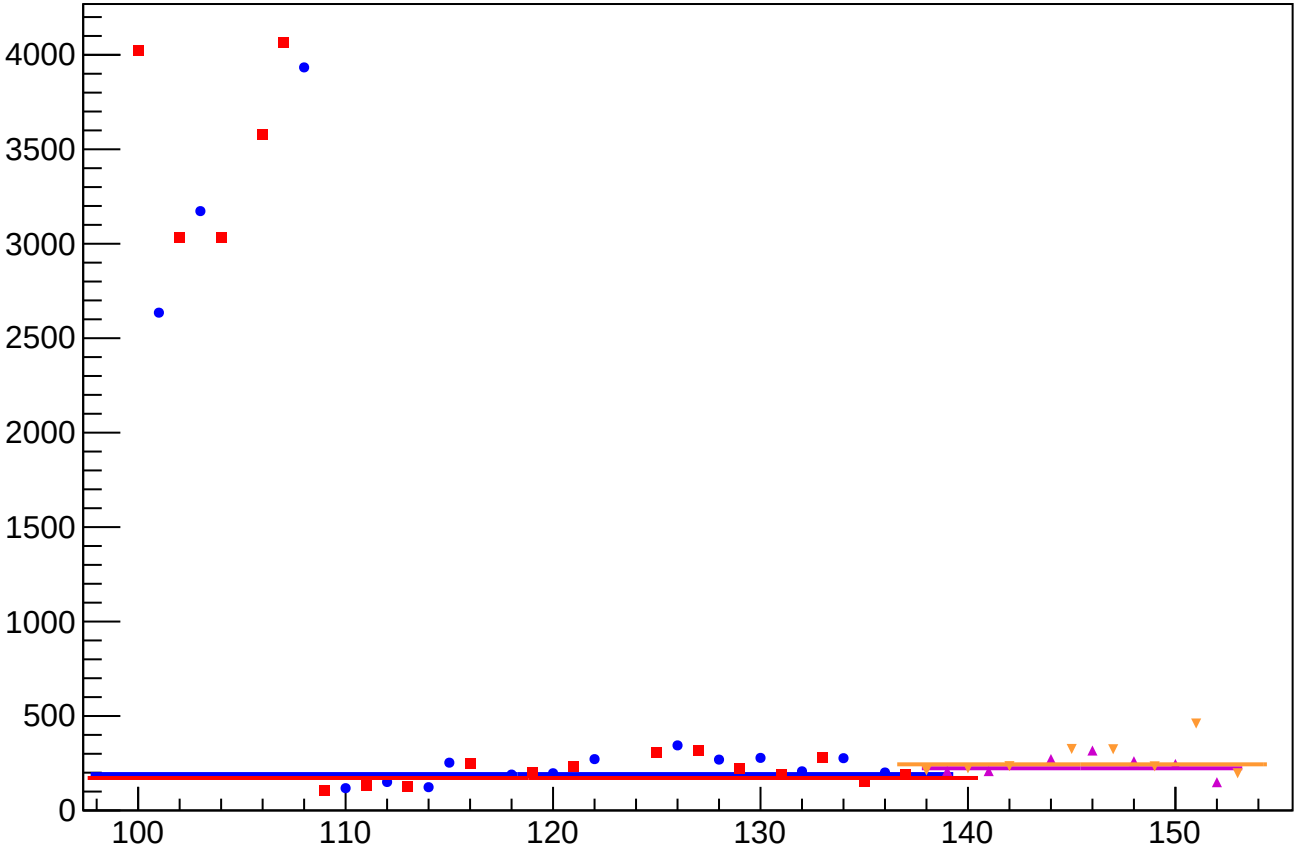
Left In: -229.828+/-96.071 χ^2/NDF:2.7/6

+ sign 74.925+/-65.465 χ^2/NDF: 25.1/23

All: 24.145+/-44.608 χ^2/NDF: 50.2/48

- sign -19.869+/-60.947 χ^2/NDF: 23.9/24

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 244.171+/-0.072 χ^2/NDF:699622.4/7

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

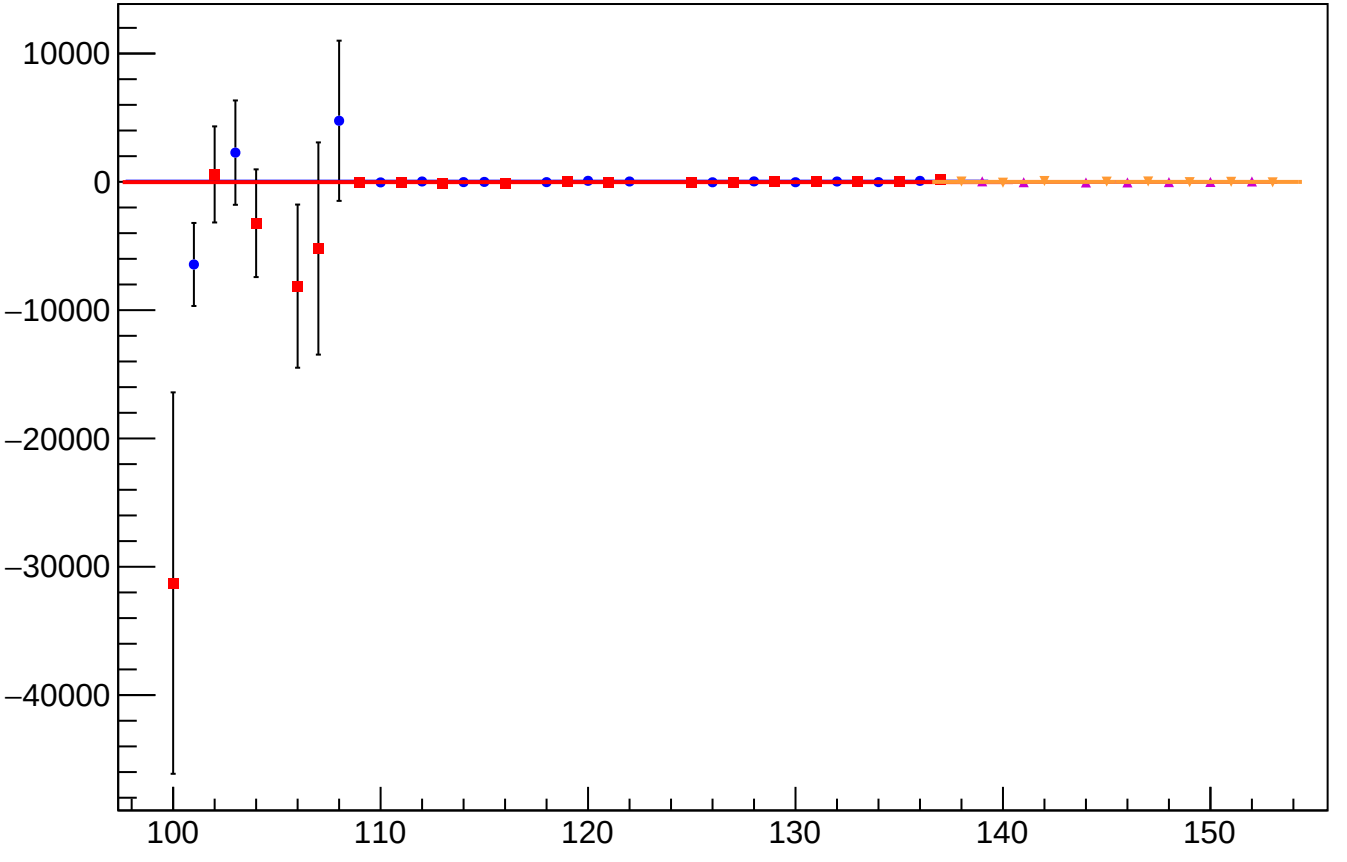
Left In: 223.313+/-0.068 χ^2/NDF:518088.5/6

+ sign 213.602+/-0.046 χ^2/NDF: 4822590.5/23

All: 202.346+/-0.032 χ^2/NDF: 10041126.7/48

- sign 192.591+/-0.043 χ^2/NDF: 5108169.4/24

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -5.112+/-12.787 χ^2/NDF:8.4/7

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

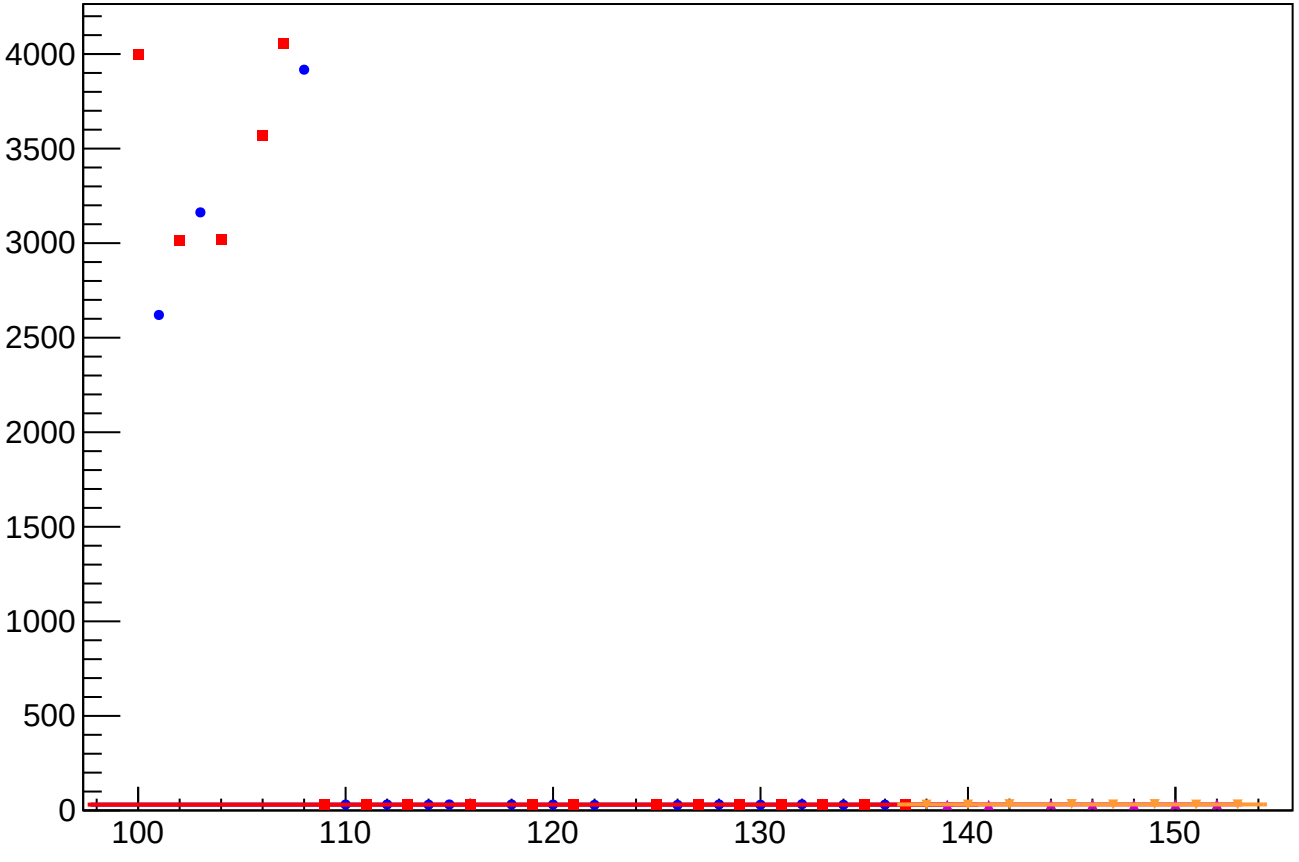
Left In: -11.151+/-13.035 χ^2/NDF:5.8/6

+ sign 4.100+/-9.138 χ^2/NDF: 24.9/23

All: -5.922+/-6.531 χ^2/NDF: 61.9/48

- sign -16.387+/-9.337 χ^2/NDF: 34.5/24

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.781+/-0.009 χ^2/NDF:15072.2/7

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

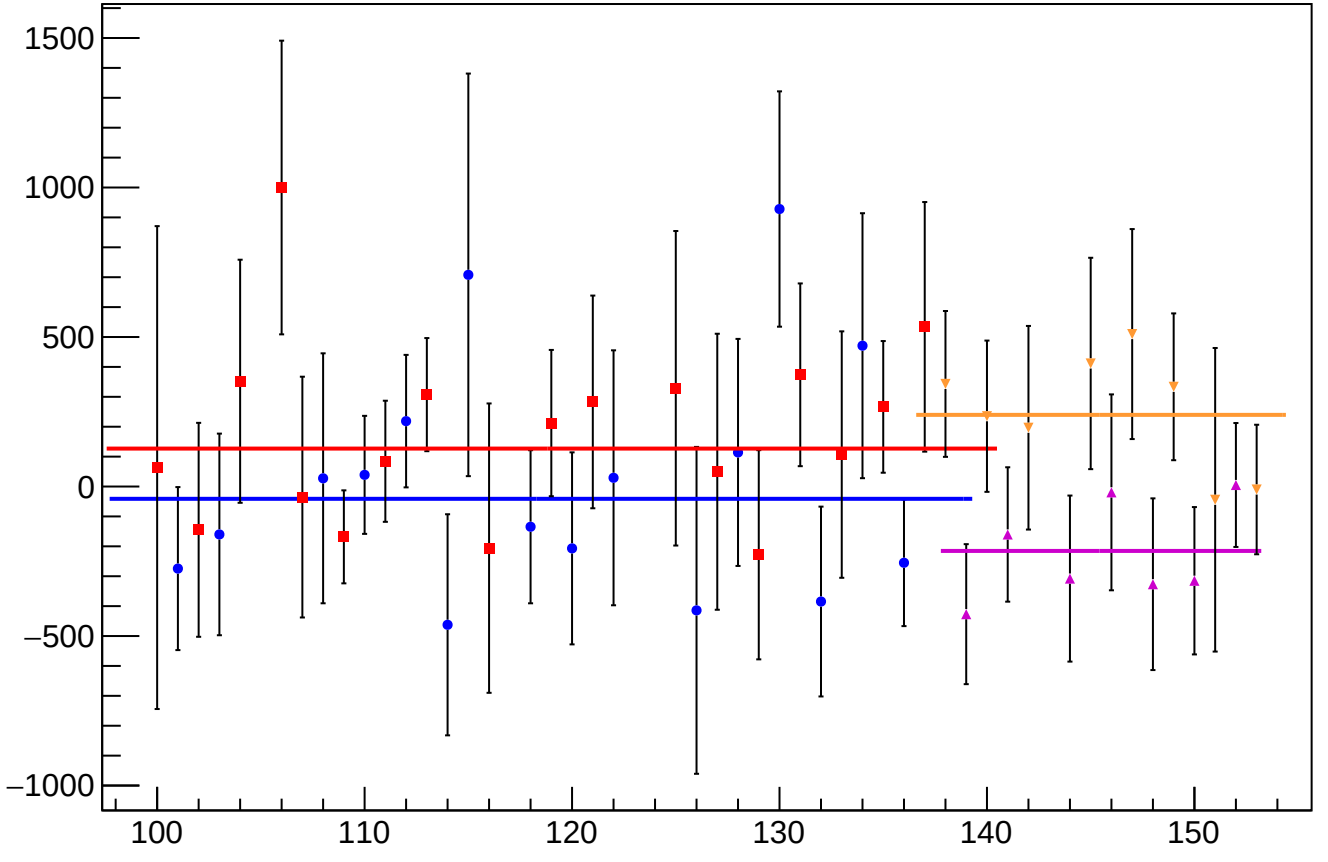
Left In: 32.158+/-0.009 χ^2/NDF:28224.9/6

+ sign 31.364+/-0.006 χ^2/NDF: 3272029.8/23

All: 31.430+/-0.005 χ^2/NDF: 6846926.2/48

- sign 31.499+/-0.007 χ^2/NDF: 3574682.9/24

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 239.646+/-100.520 χ^2/NDF:2.8/7

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

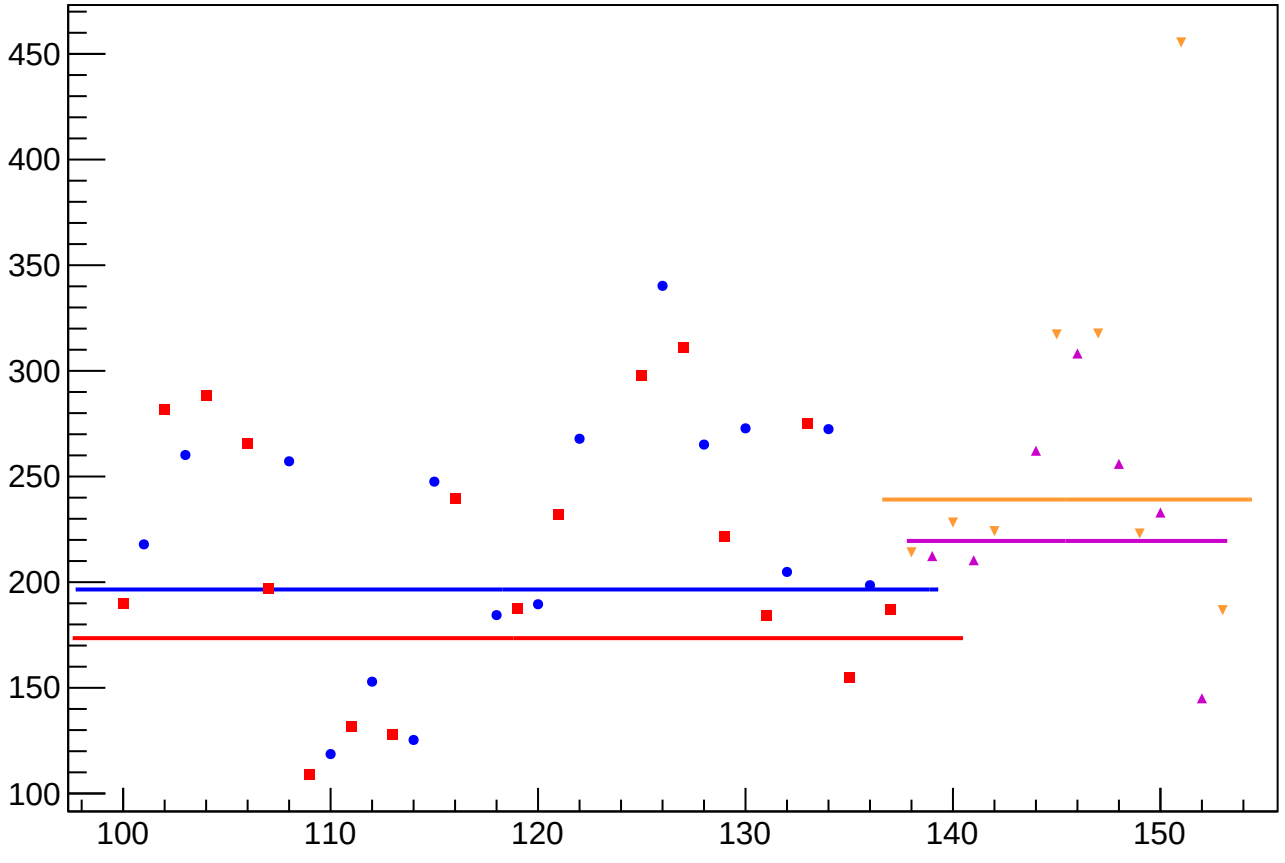
Left In: -215.395+/-94.396 χ^2/NDF:2.8/6

+ sign 62.945+/-61.196 χ^2/NDF: 23.3/23

All: 32.361+/-41.275 χ^2/NDF: 47.9/48

- sign 6.837+/-55.906 χ^2/NDF: 24.1/24

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 239.110+/-0.071 χ^2/NDF:715058.8/7

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

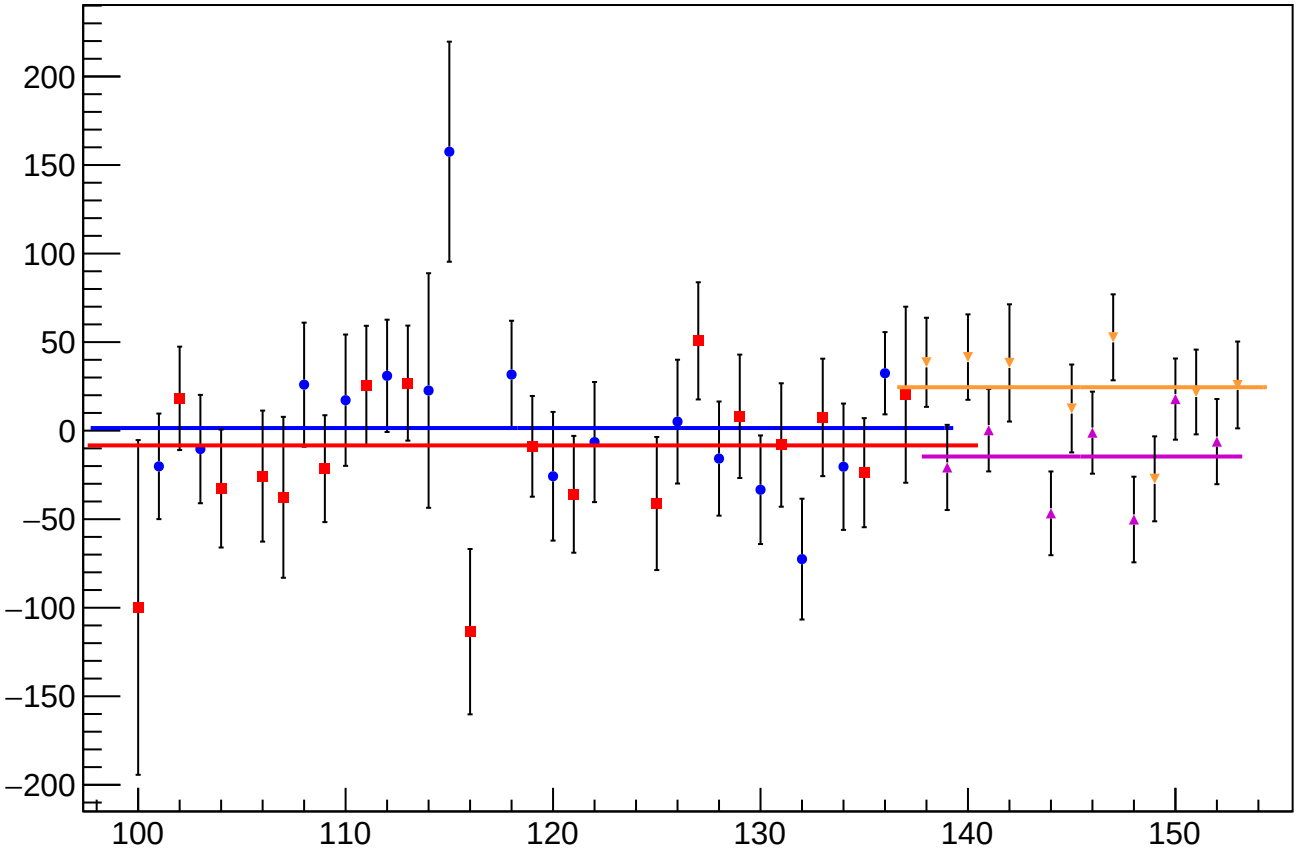
Left In: 219.507+/-0.067 χ^2/NDF:495561.7/6

+ sign 212.319+/-0.043 χ^2/NDF: 1941557.1/23

All: 199.959+/-0.029 χ^2/NDF: 4427849.9/48

- sign 189.643+/-0.040 χ^2/NDF: 2336606.4/24

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 24.519+/-8.881 χ^2/NDF:7.2/7

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

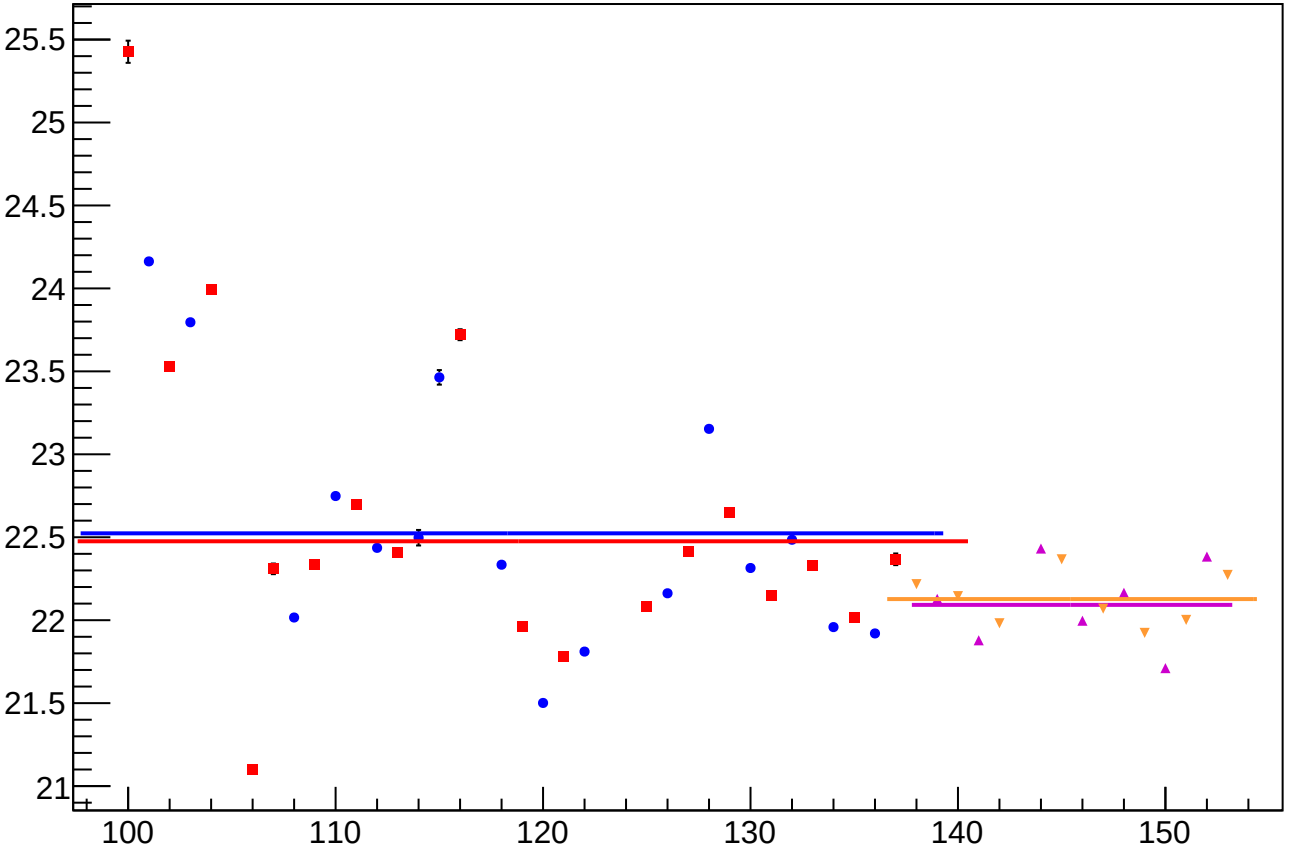
Left In: -14.607+/-8.919 χ^2/NDF:6.9/6

+ sign 12.316+/-6.091 χ^2/NDF: 29.5/23

All: 0.499+/-4.300 χ^2/NDF: 60.2/48

- sign -11.237+/-6.070 χ^2/NDF: 23.2/24

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.127+/-0.006 χ^2/NDF:533.3/7

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

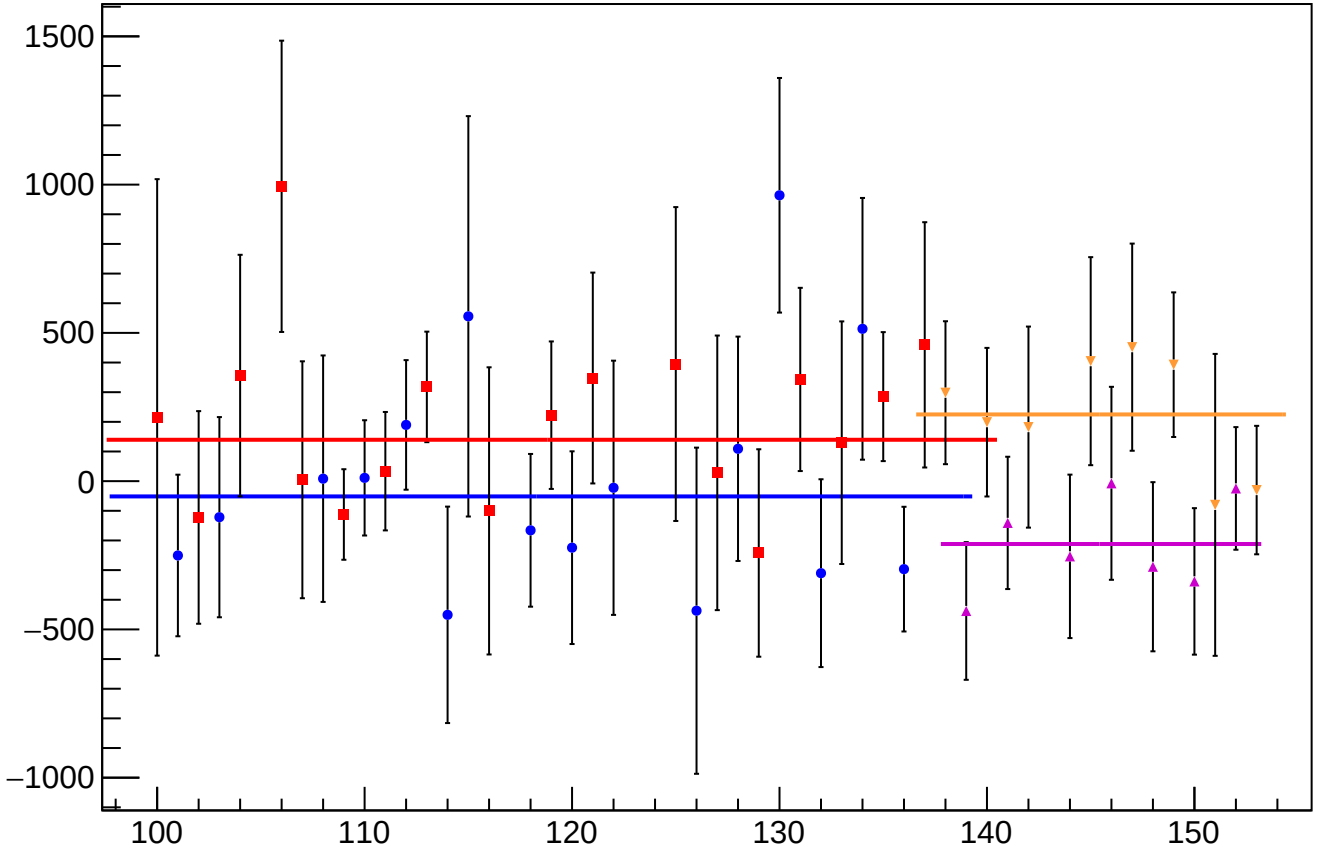
Left In: 22.092+/-0.006 χ^2/NDF:1483.9/6

+ sign 22.337+/-0.004 χ^2/NDF: 18589.9/23

All: 22.318+/-0.003 χ^2/NDF: 37634.4/48

- sign 22.298+/-0.004 χ^2/NDF: 19003.3/24

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 224.986+/-99.925 χ^2/NDF:3.0/7

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

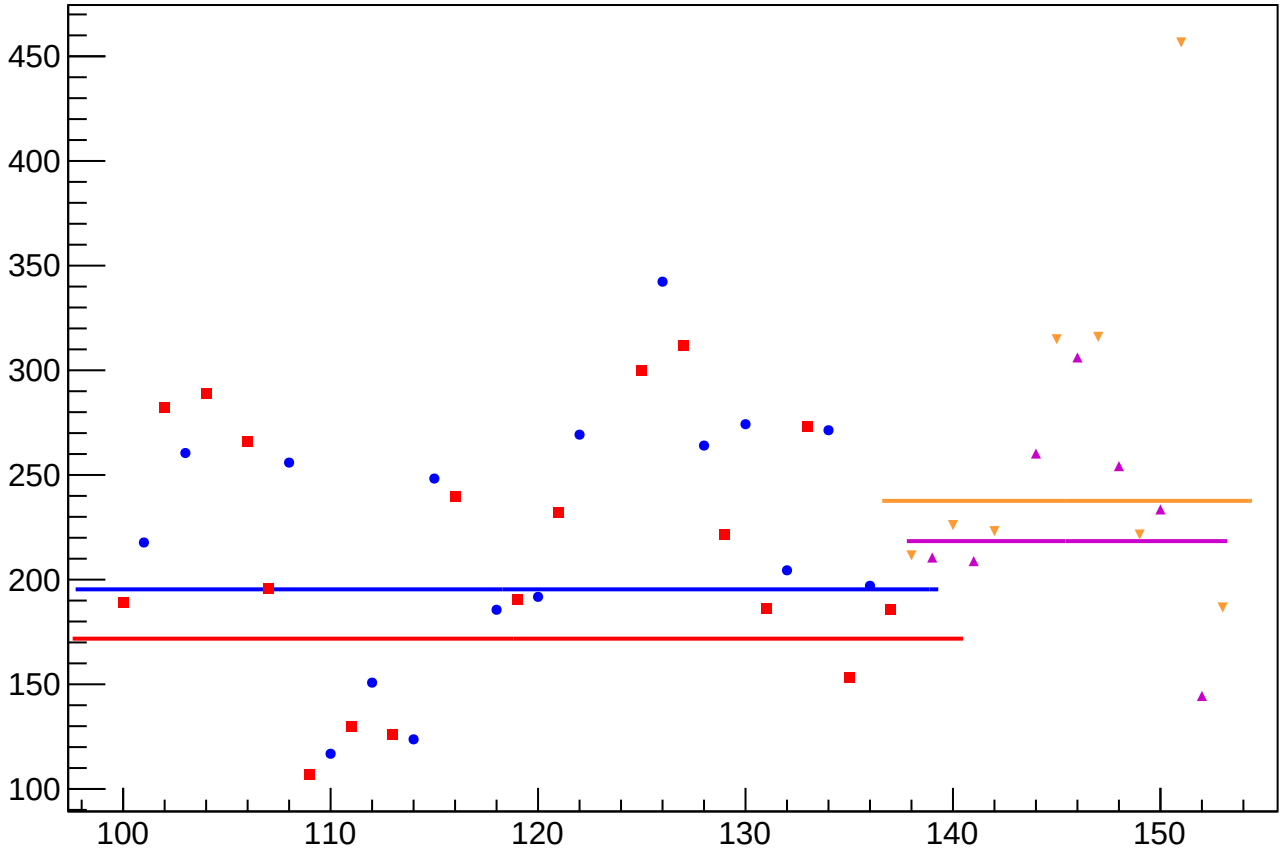
Left In: -211.977+/-93.936 χ^2/NDF:2.6/6

+ sign 51.174+/-60.892 χ^2/NDF: 23.2/23

All: 32.310+/-41.039 χ^2/NDF: 46.6/48

- sign 16.610+/-55.551 χ^2/NDF: 23.3/24

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 237.631+/-0.071 χ^2/NDF:718106.0/7

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

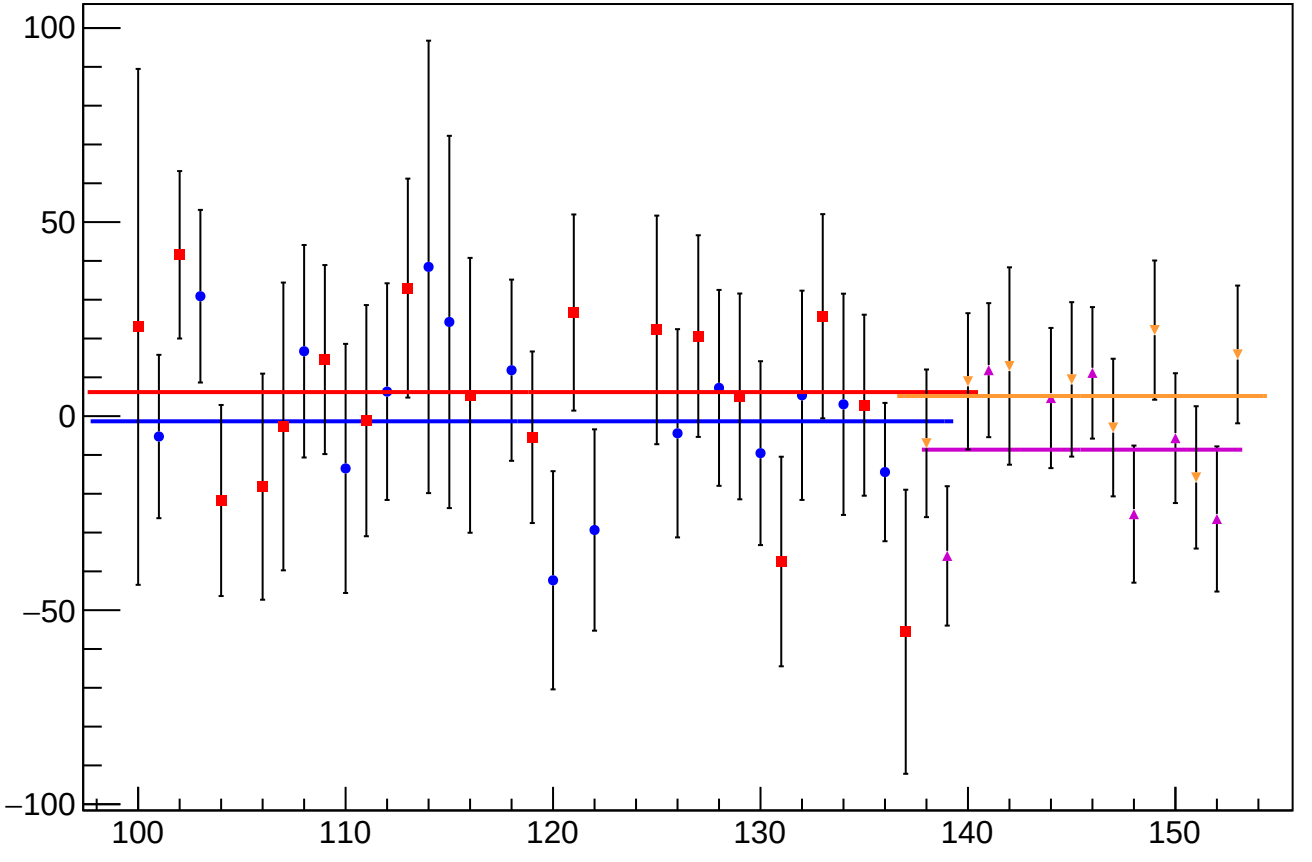
Left In: 218.402+/-0.066 χ^2/NDF:492463.7/6

+ sign 211.057+/-0.043 χ^2/NDF: 1984523.2/23

All: 198.528+/-0.029 χ^2/NDF: 4552809.1/48

- sign 188.101+/-0.039 χ^2/NDF: 2413148.4/24

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 5.185+/-6.663 χ^2/NDF:3.4/7

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

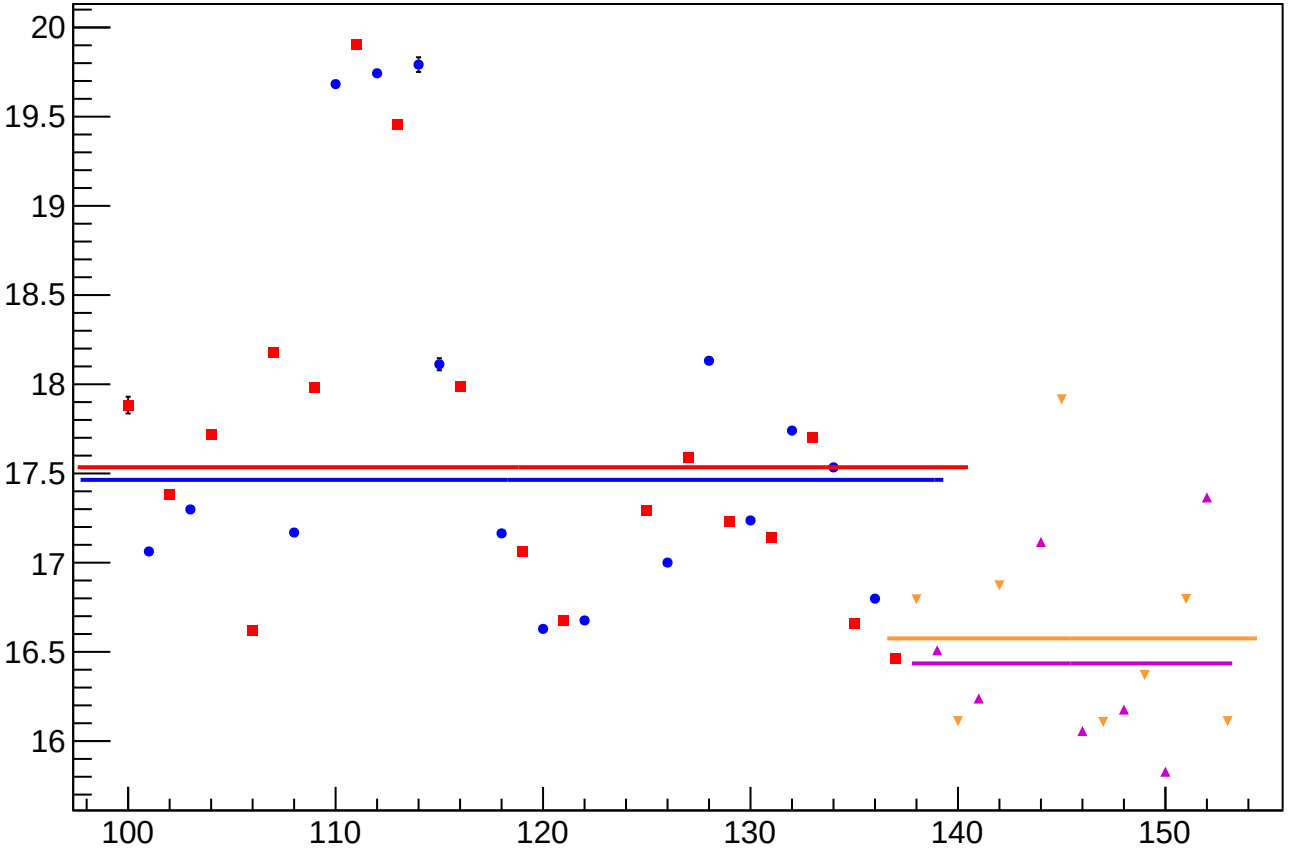
Left In: -8.643+/-6.646 χ^2/NDF:7.5/6

\+ sign 1.846+/-4.652 χ^2/NDF: 11.9/23

All: 0.404+/-3.284 χ^2/NDF: 35.6/48

\- sign -1.028+/-4.637 χ^2/NDF: 23.5/24

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.575+/-0.005 χ^2/NDF:14325.4/7

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

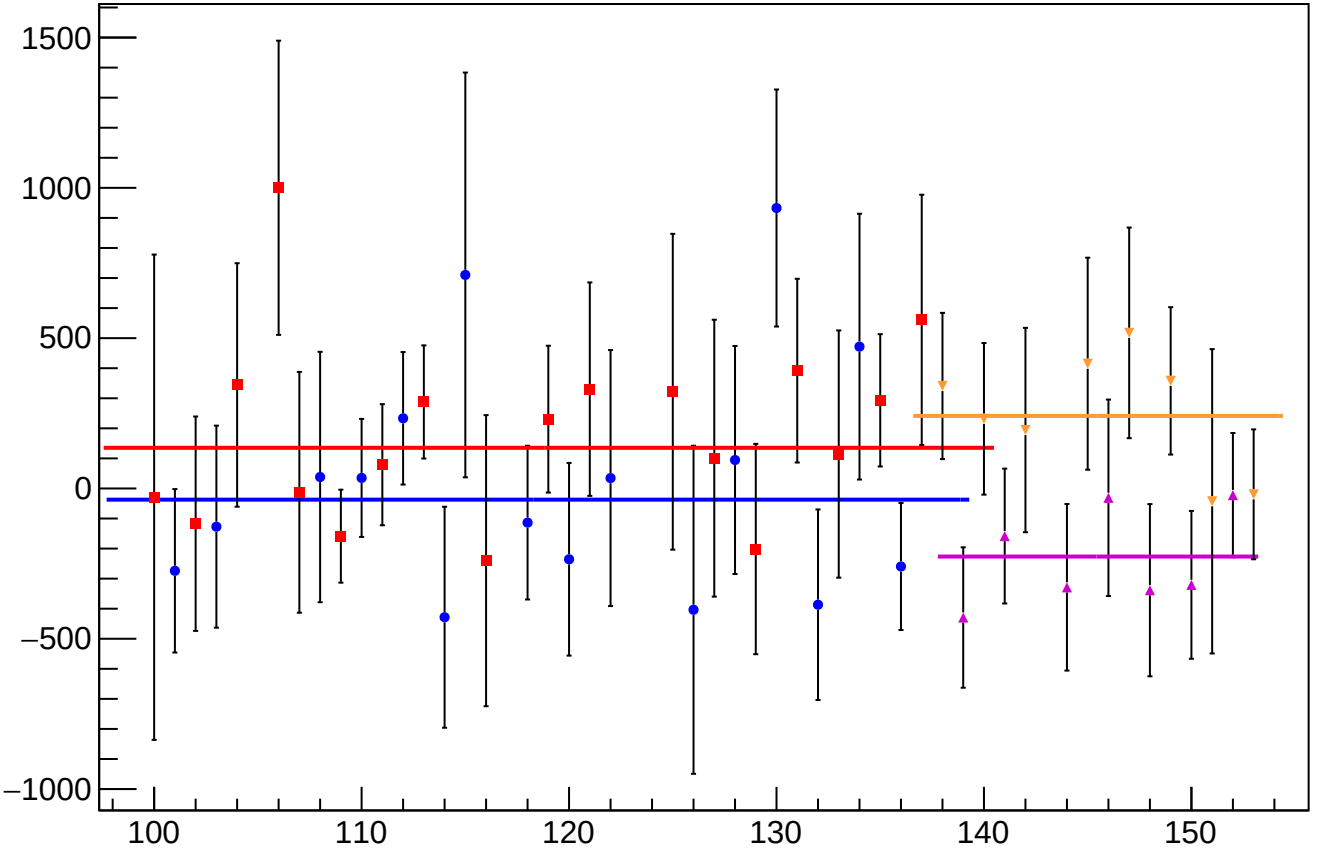
Left In: 16.435+/-0.005 χ^2/NDF:12147.0/6

+ sign 17.031+/-0.003 χ^2/NDF: 69211.9/23

All: 17.015+/-0.002 χ^2/NDF: 143986.4/48

- sign 17.000+/-0.003 χ^2/NDF: 74729.2/24

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 241.481+/-100.290 χ^2/NDF:3.1/7

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

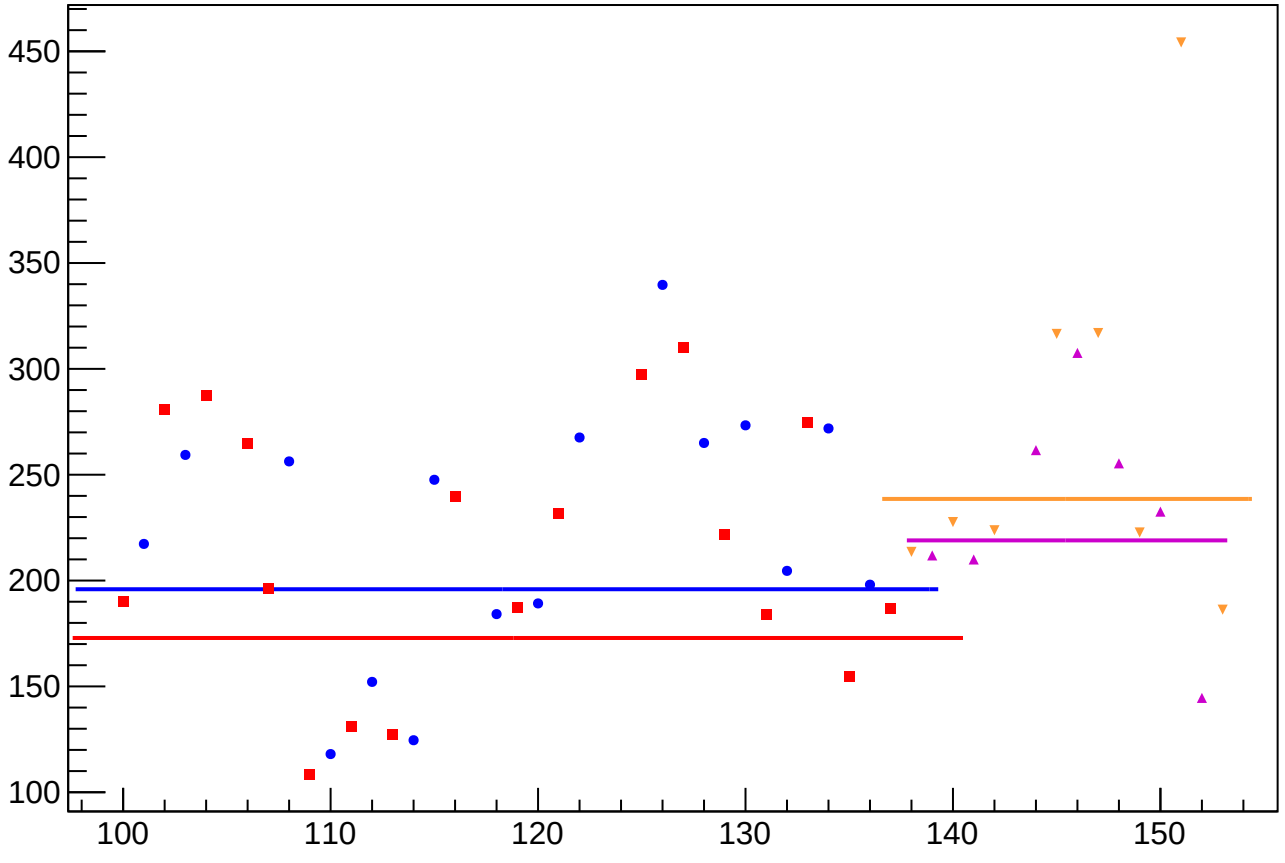
Left In: -226.522+/-94.175 χ^2/NDF:2.6/6

+ sign 65.982+/-61.033 χ^2/NDF: 23.6/23

All: 34.656+/-41.159 χ^2/NDF: 49.1/48

- sign 8.525+/-55.742 χ^2/NDF: 25.0/24

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 238.563+/-0.071 χ^2/NDF:714947.8/7

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

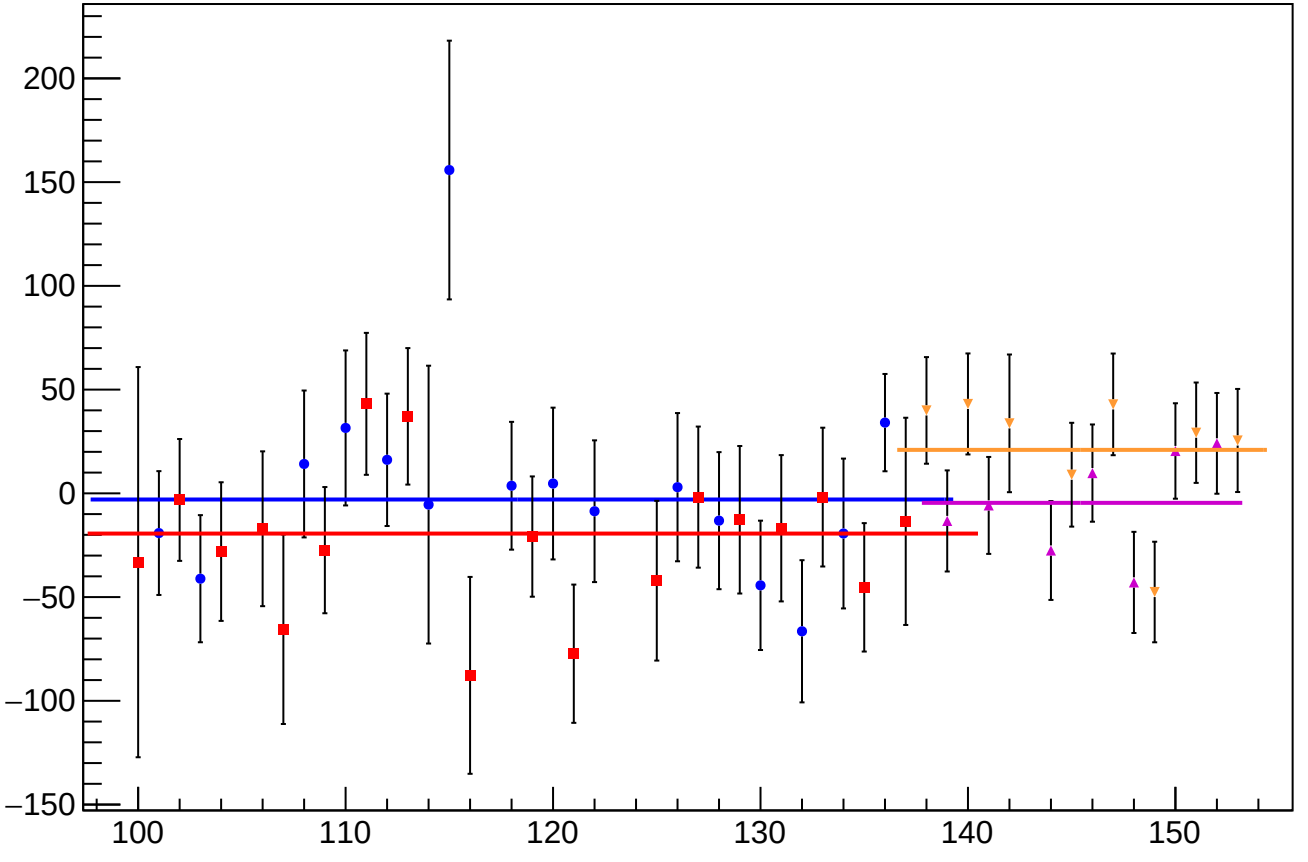
Left In: 218.974+/-0.067 χ^2/NDF:497111.3/6

+ sign 211.700+/-0.043 χ^2/NDF: 1953845.2/23

All: 199.337+/-0.029 χ^2/NDF: 4456097.1/48

- sign 189.024+/-0.039 χ^2/NDF: 2351732.2/24

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 20.953+/-8.978 χ^2/NDF:10.7/7

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

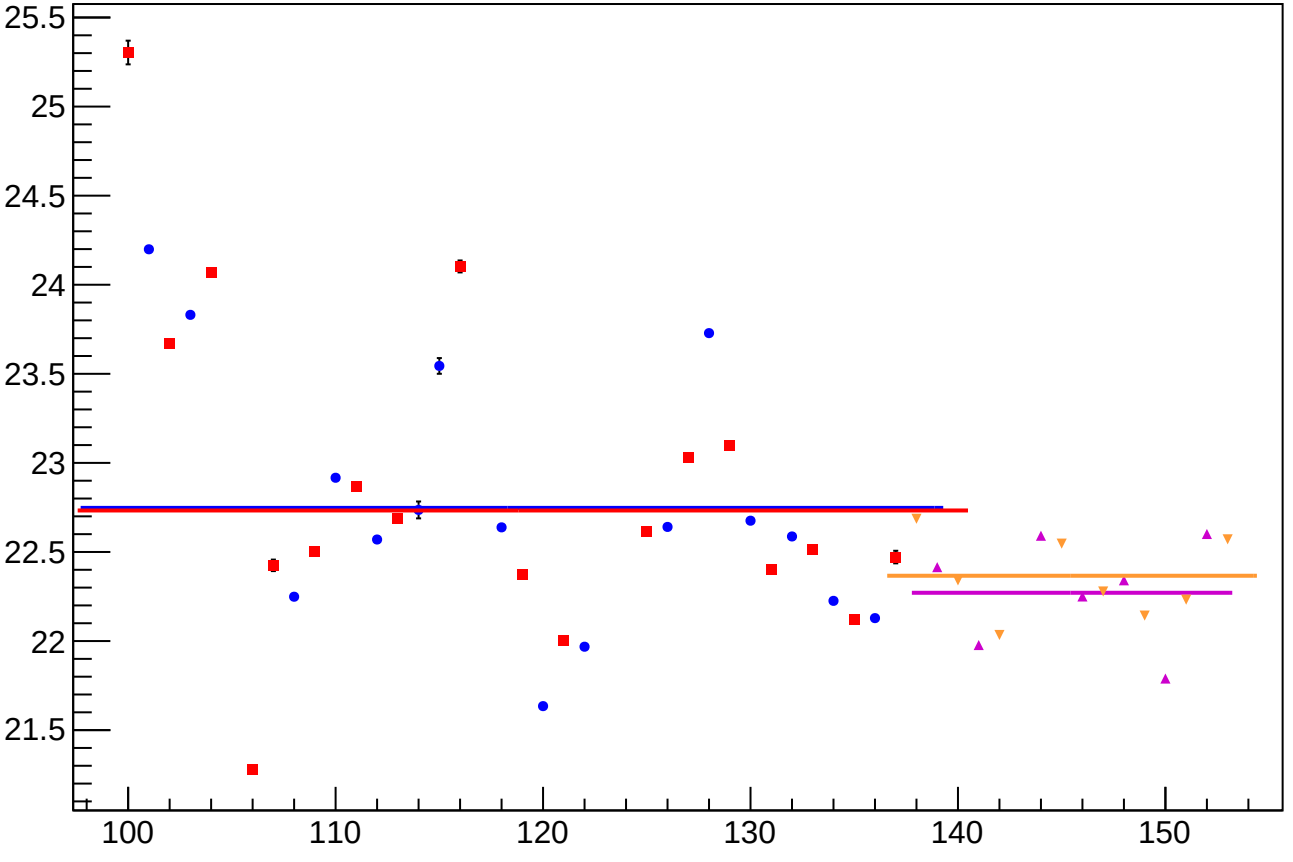
Left In: -4.582+/-8.992 χ^2/NDF:6.5/6

+ sign 8.274+/-6.155 χ^2/NDF: 32.4/23

All: -2.156+/-4.344 χ^2/NDF: 60.6/48

- sign -12.504+/-6.131 χ^2/NDF: 22.5/24

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.367+/-0.006 χ^2/NDF:1010.0/7

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

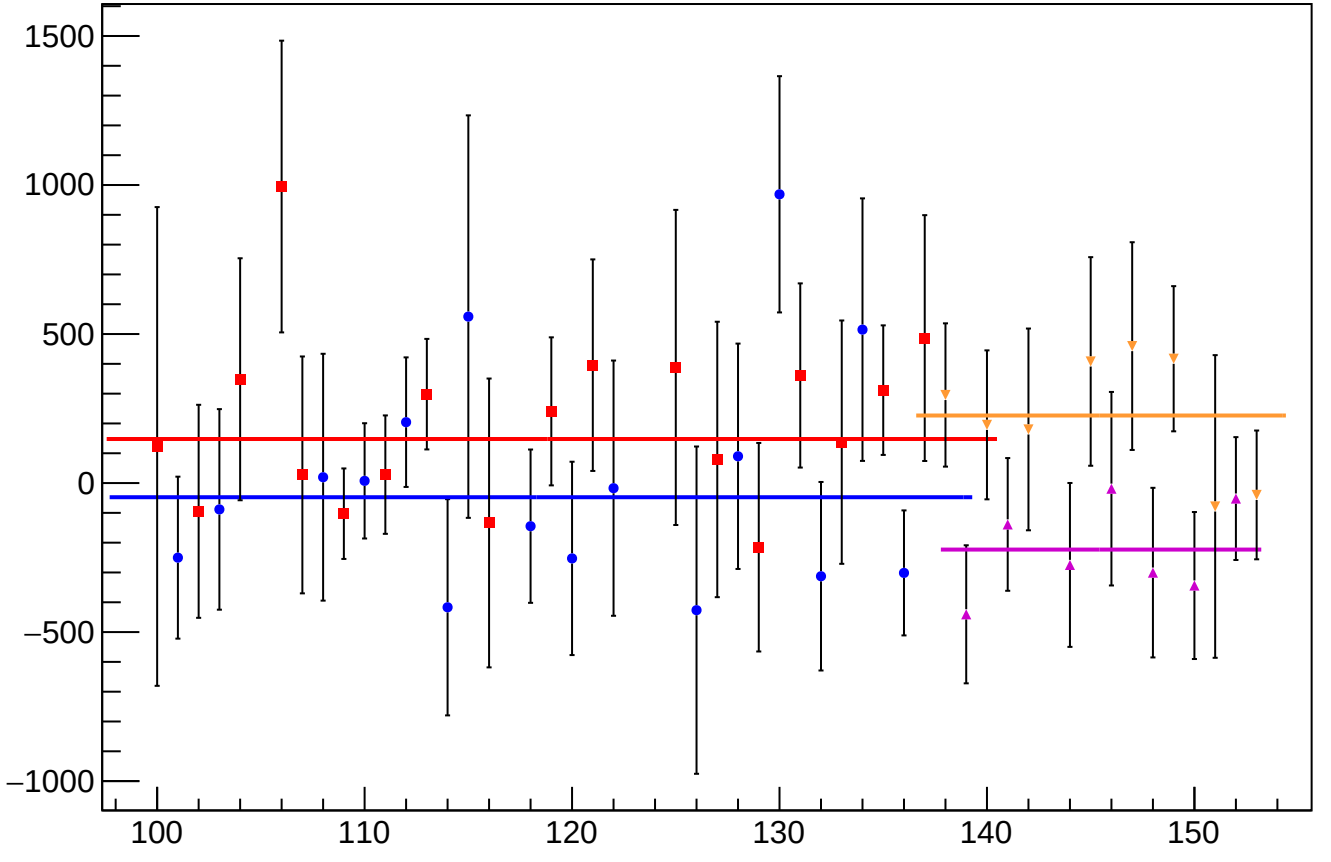
Left In: 22.271+/-0.006 χ^2/NDF:2009.6/6

+ sign 22.568+/-0.004 χ^2/NDF: 17540.9/23

All: 22.543+/-0.003 χ^2/NDF: 36831.9/48

- sign 22.518+/-0.004 χ^2/NDF: 19223.9/24

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 226.660+/-99.696 χ^2/NDF:3.3/7

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

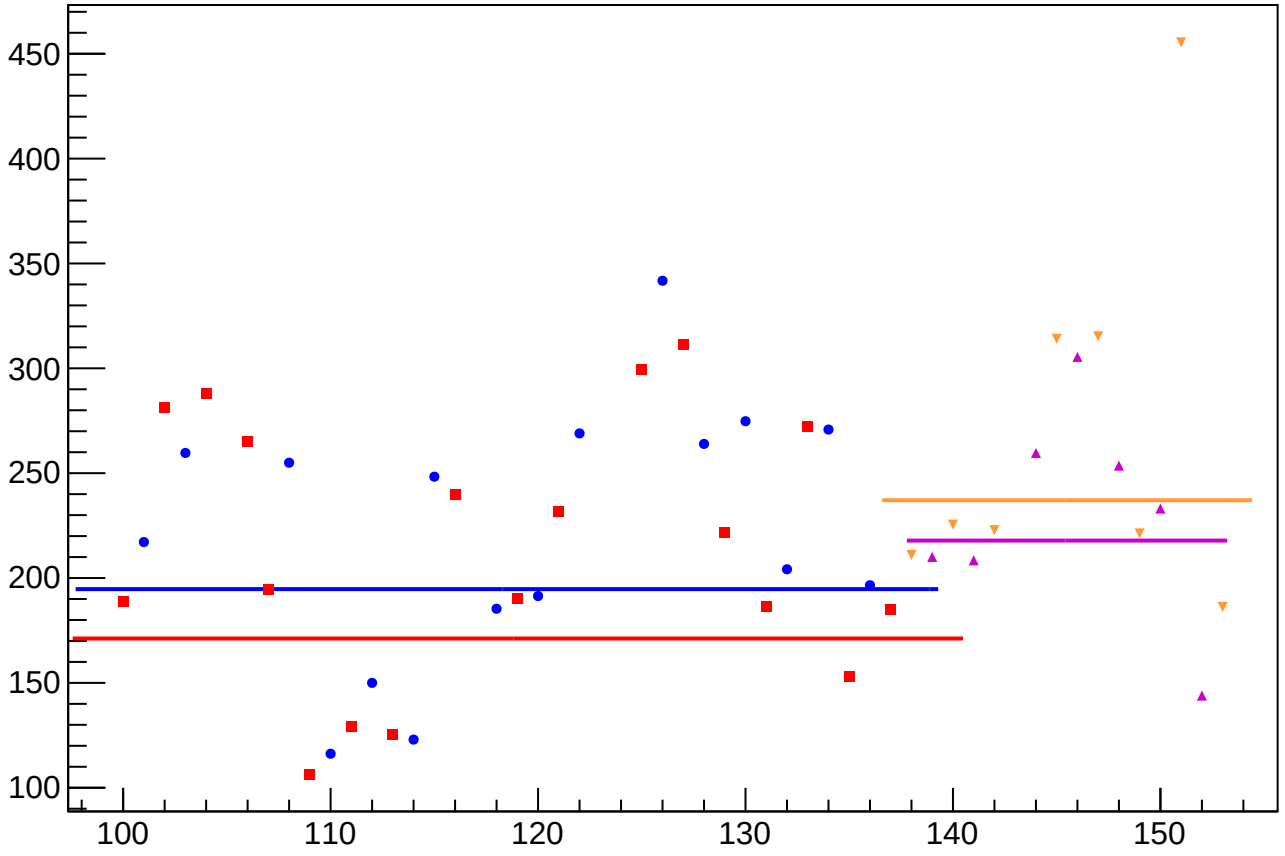
Left In: -223.164+/-93.713 χ^2/NDF:2.5/6

+ sign 54.206+/-60.727 χ^2/NDF: 23.5/23

All: 34.568+/-40.922 χ^2/NDF: 47.9/48

- sign 18.232+/-55.385 χ^2/NDF: 24.2/24

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 237.085+/-0.070 χ^2/NDF:717970.2/7

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

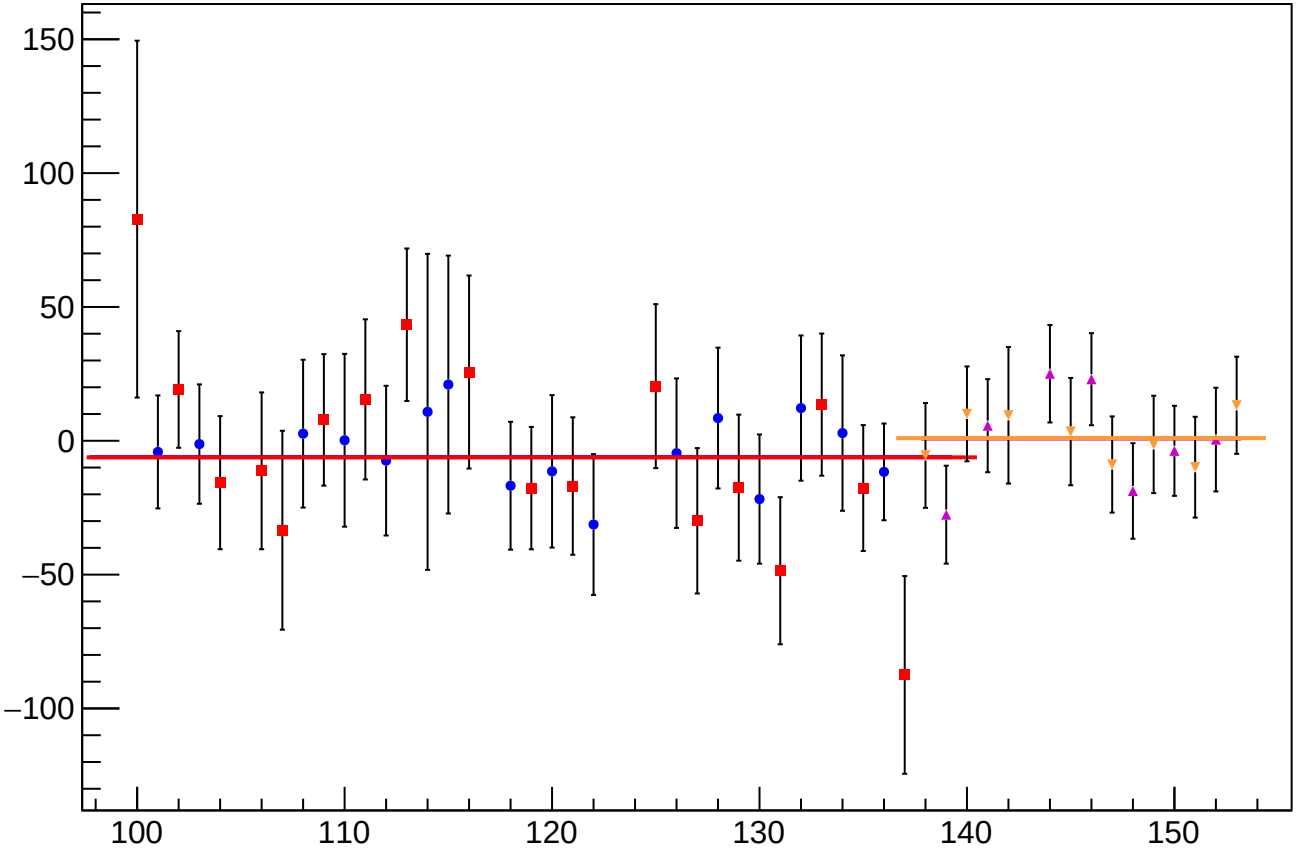
Left In: 217.863+/-0.066 χ^2/NDF:494113.5/6

+ sign 210.431+/-0.043 χ^2/NDF: 1997546.0/23

All: 197.897+/-0.029 χ^2/NDF: 4582950.7/48

- sign 187.471+/-0.039 χ^2/NDF: 2429324.3/24

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 1.009+/-6.774 χ^2/NDF:1.6/7

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

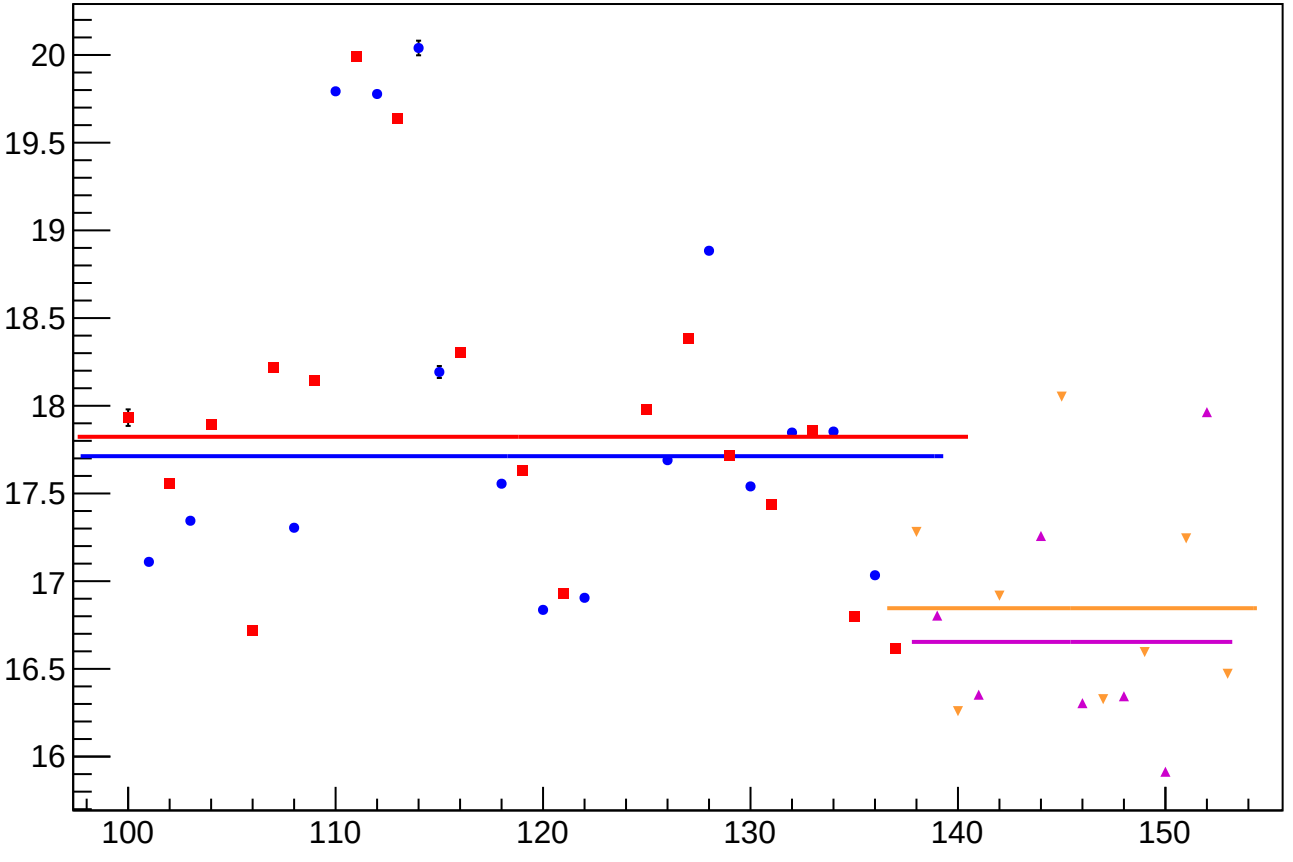
Left In: 0.839+/-6.738 χ^2/NDF:7.2/6

+ sign -2.652+/-4.725 χ^2/NDF: 5.3/23

All: -2.707+/-3.335 χ^2/NDF: 31.7/48

- sign -2.761+/-4.708 χ^2/NDF: 26.4/24

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.846+/-0.005 χ^2/NDF:14224.6/7

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

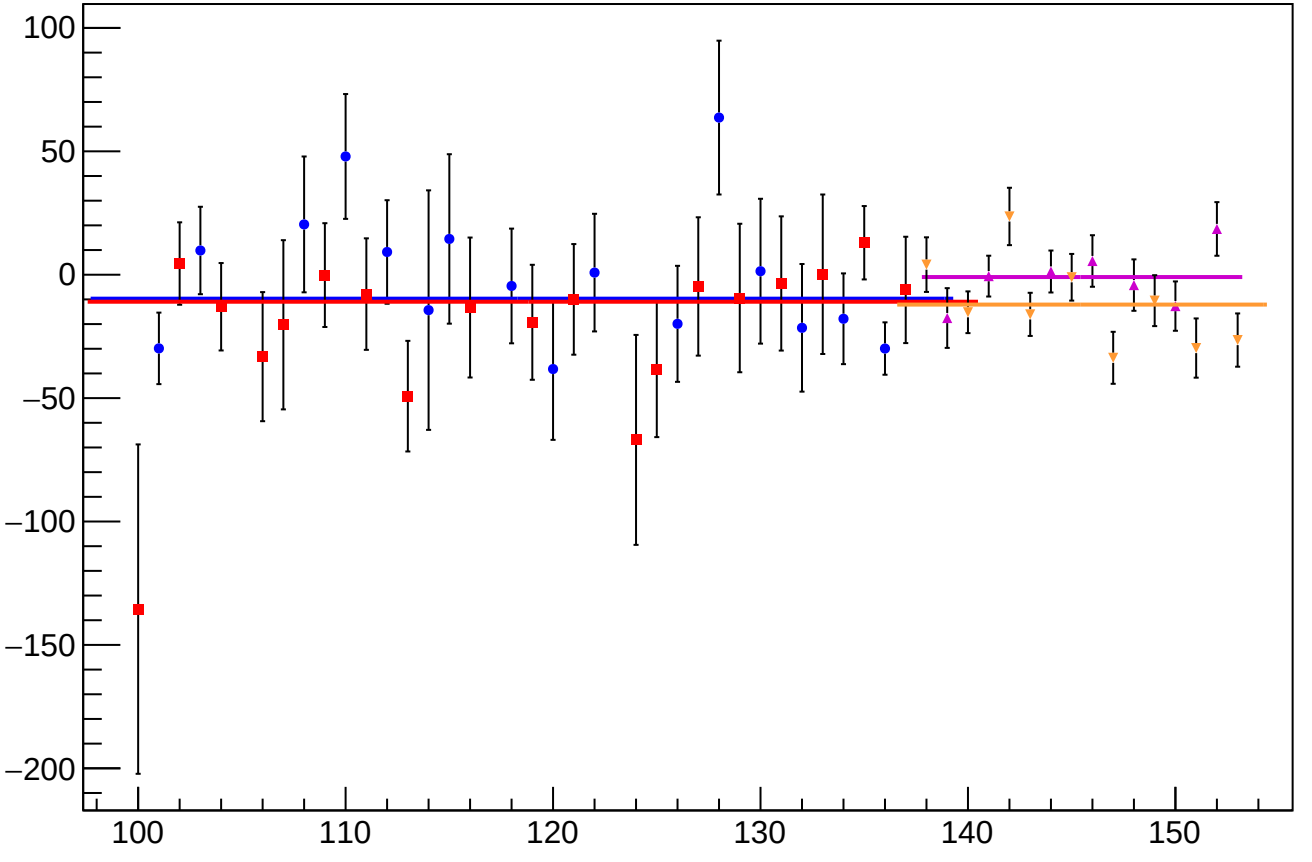
Left In: 16.654+/-0.005 χ^2/NDF:17382.0/6

\+ sign 17.291+/-0.003 χ^2/NDF: 67025.0/23

All: 17.272+/-0.002 χ^2/NDF: 147812.9/48

\- sign 17.252+/-0.003 χ^2/NDF: 80720.4/24

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -12.102+/-3.376 χ^2/NDF:21.4/8

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

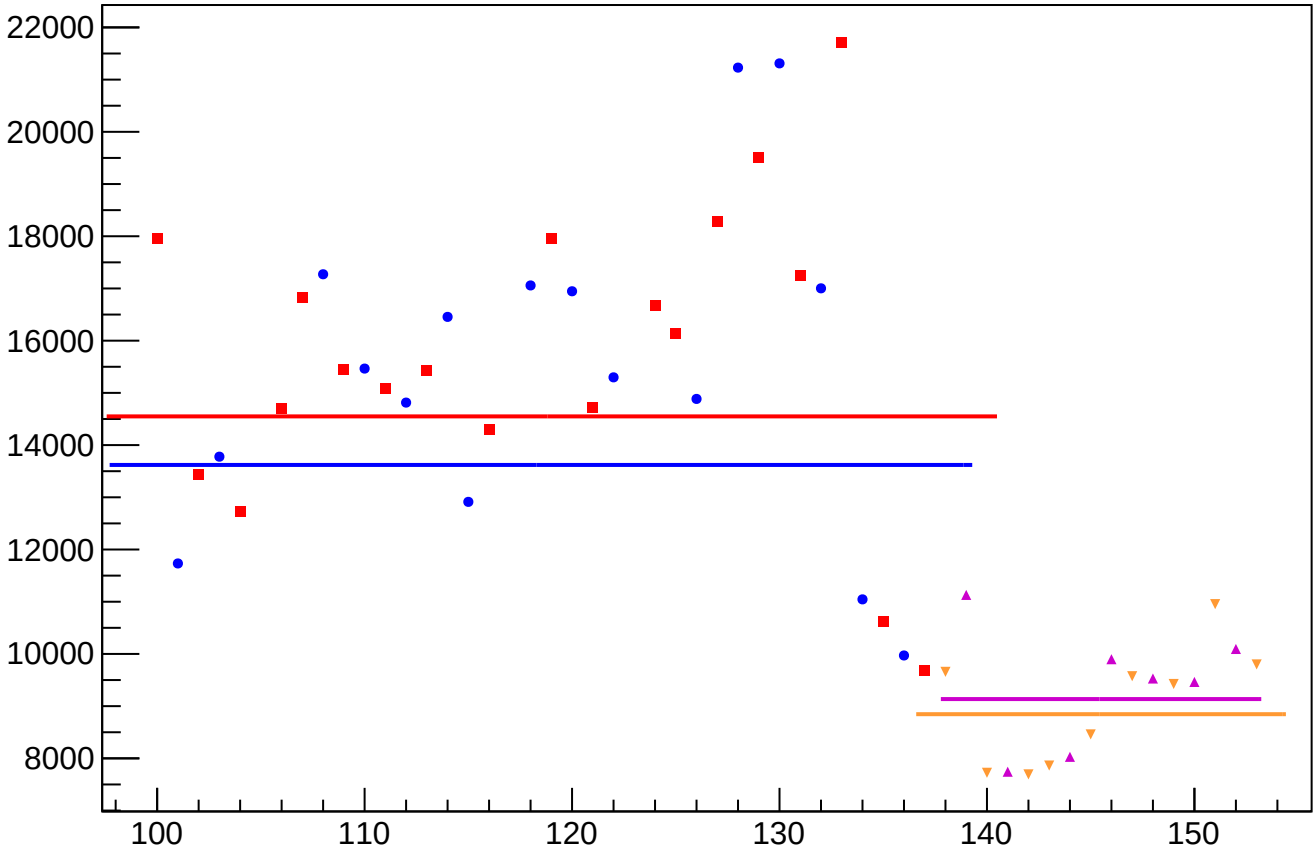
Left In: -0.940+/-3.723 χ^2/NDF:7.0/6

+ sign -11.396+/-2.836 χ^2/NDF: 43.6/24

All: -8.053+/-2.084 χ^2/NDF: 70.0/50

- sign -4.132+/-3.072 χ^2/NDF: 23.4/25

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8845.982+/-2.387 χ^2/NDF:187417.7/8

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

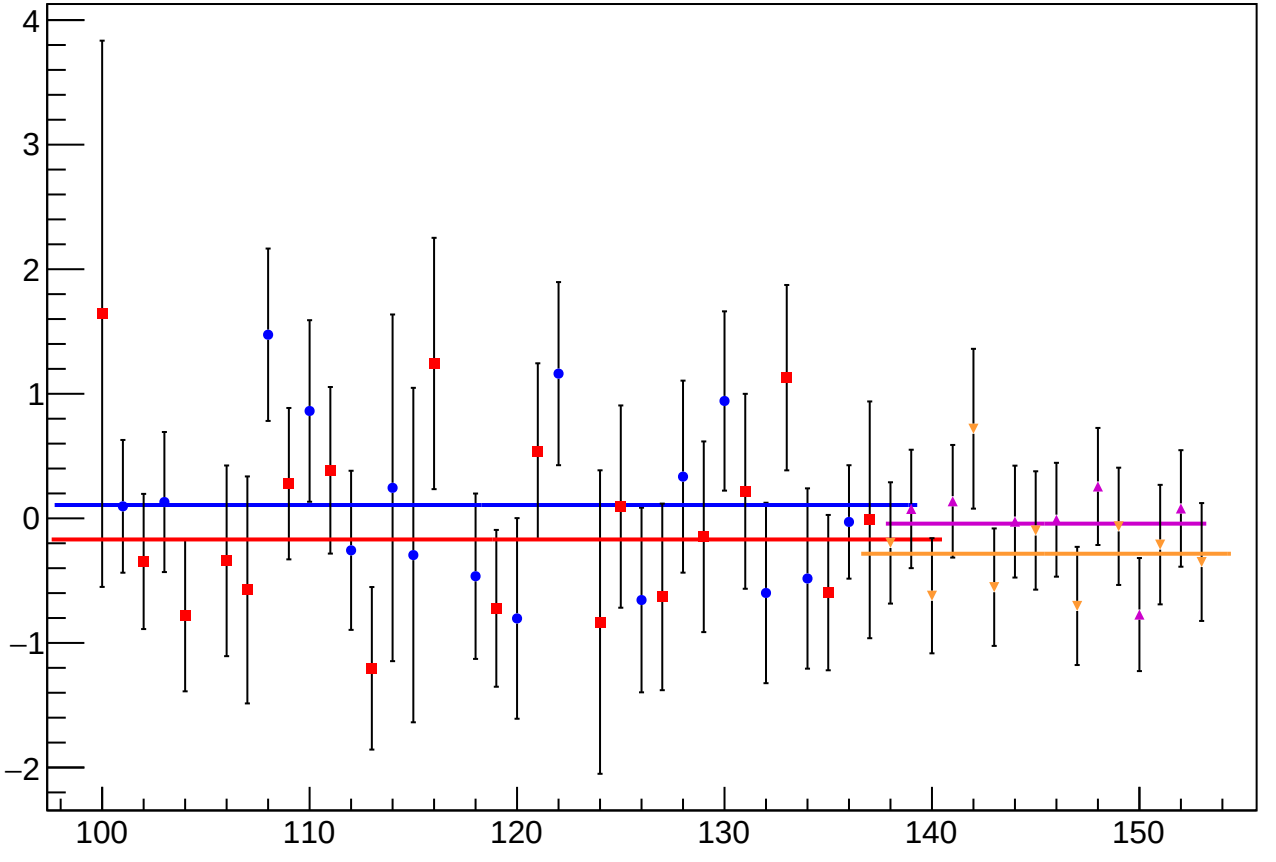
Left In: 9135.581+/-2.633 χ^2/NDF:176151.5/6

+ sign 10249.332+/-2.006 χ^2/NDF: 2110277.3/24

All: 10532.284+/-1.474 χ^2/NDF: 4235983.3/5

- sign 10864.123+/-2.172 χ^2/NDF: 2082460.8/25

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.284+/-0.162 χ^2/NDF:4.5/8

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

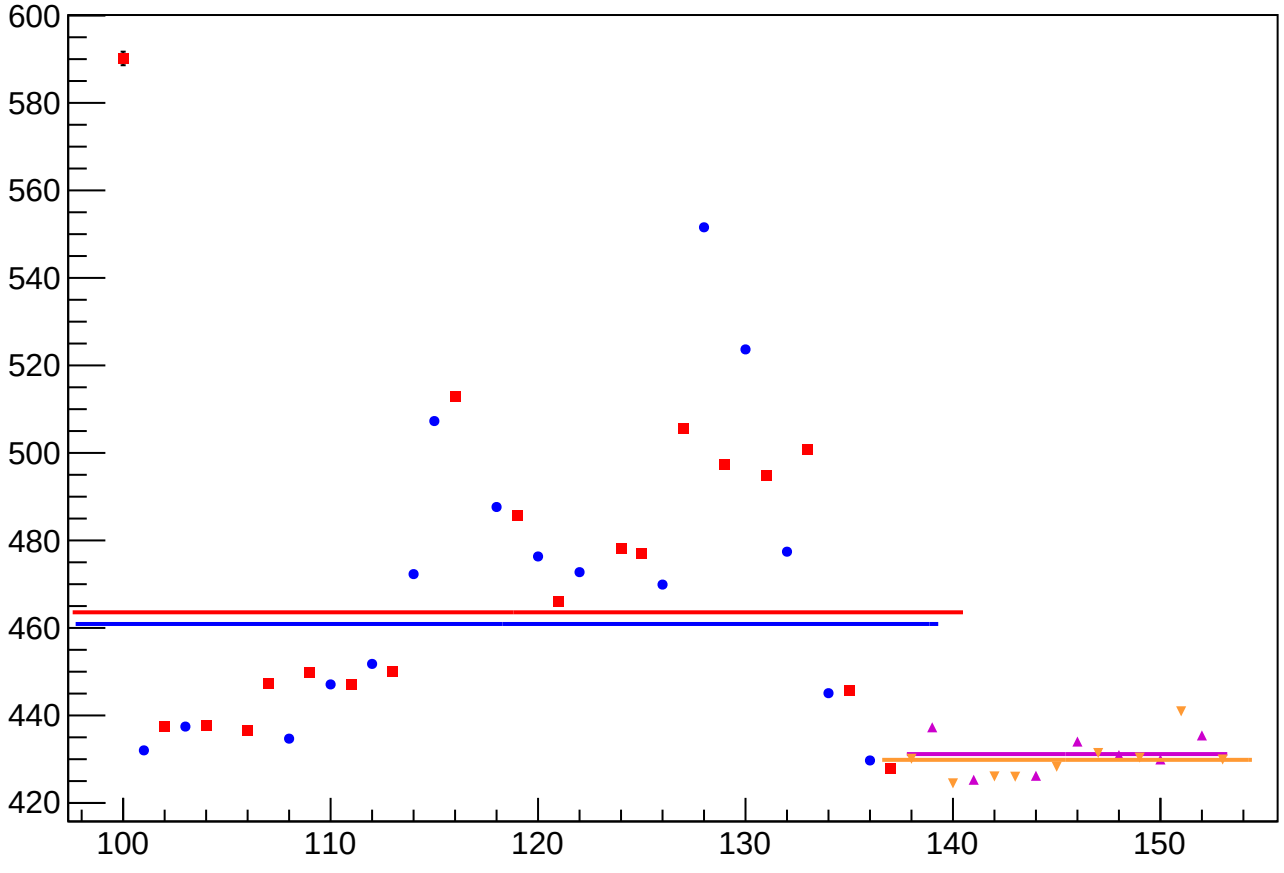
Left In: -0.042+/-0.174 χ^2/NDF:3.3/6

+ sign -0.100+/-0.118 χ^2/NDF: 21.0/24

All: -0.103+/-0.085 χ^2/NDF: 38.6/50

- sign -0.108+/-0.121 χ^2/NDF: 17.7/25

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.855+/-0.115 χ^2/NDF:1589.2/8

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

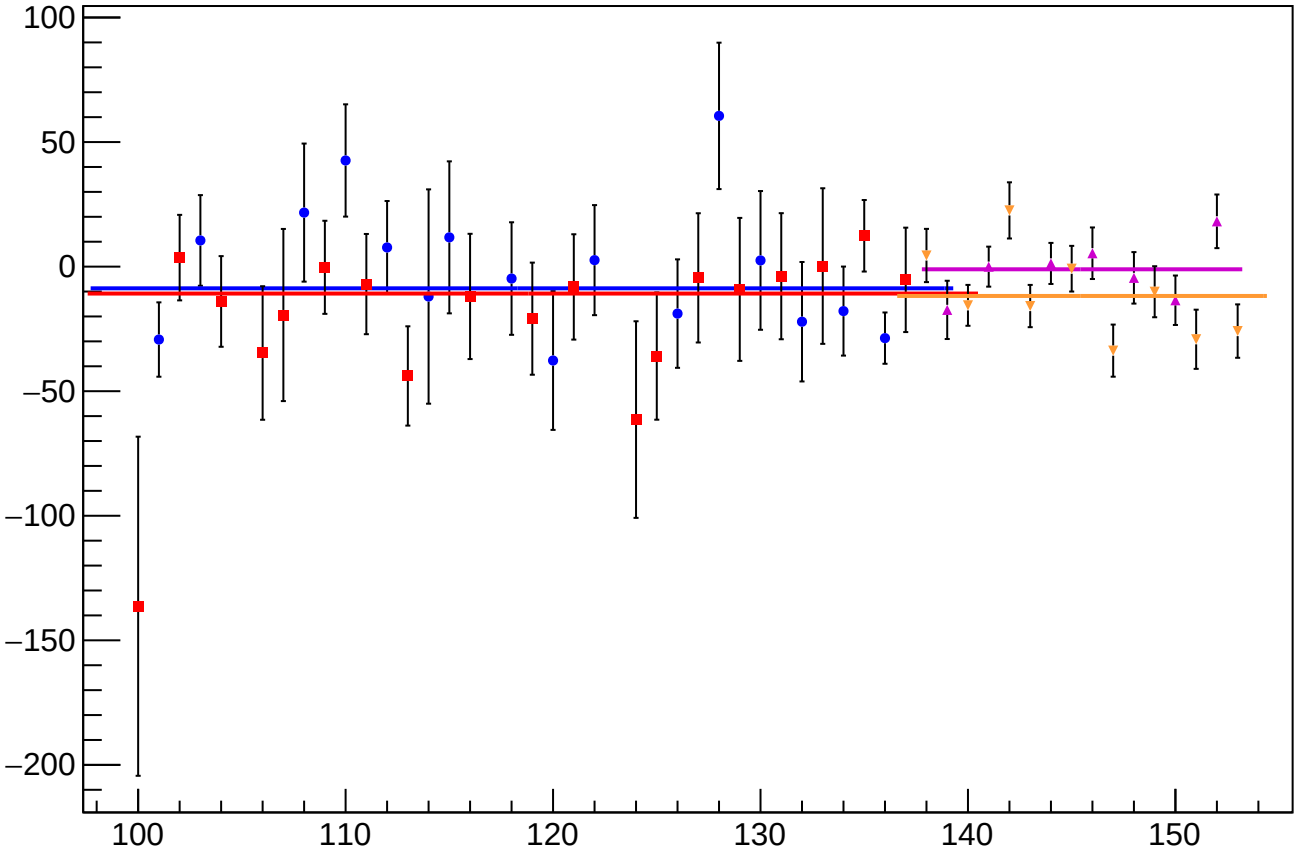
Left In: 431.175+/-0.123 χ^2/NDF:1172.0/6

+ sign 444.494+/-0.083 χ^2/NDF: 111089.3/24

All: 446.102+/-0.060 χ^2/NDF: 200789.0/50

- sign 447.807+/-0.086 χ^2/NDF: 88933.3/25

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -11.772+/-3.302 χ^2/NDF:21.8/8

Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

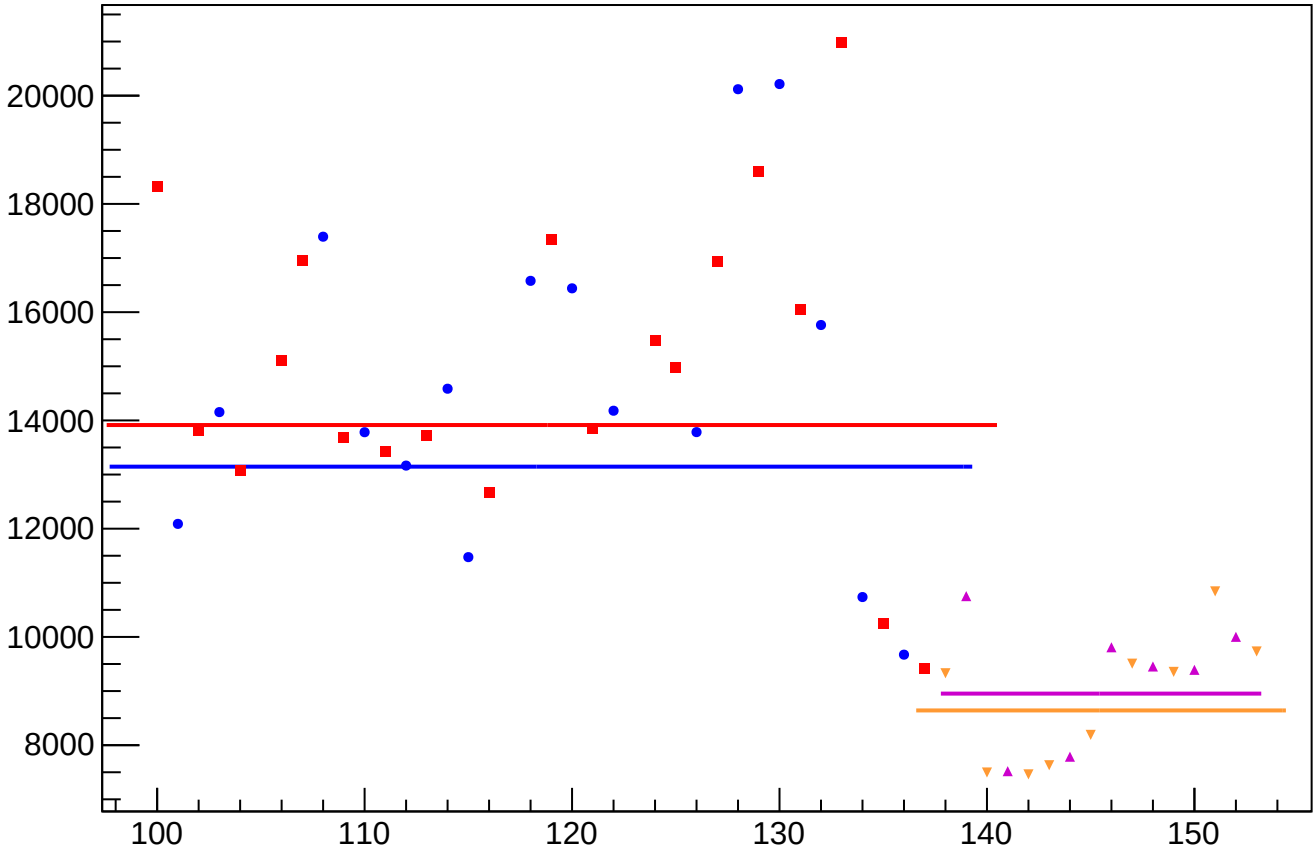
Left In: -1.070+/-3.651 χ^2/NDF:7.3/6

+ sign -10.851+/-2.761 χ^2/NDF: 44.3/24

All: -7.828+/-2.027 χ^2/NDF: 70.4/50

- sign -4.292+/-2.986 χ^2/NDF: 23.5/25

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8642.056+/-2.335 χ^2/NDF:215186.7/8

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

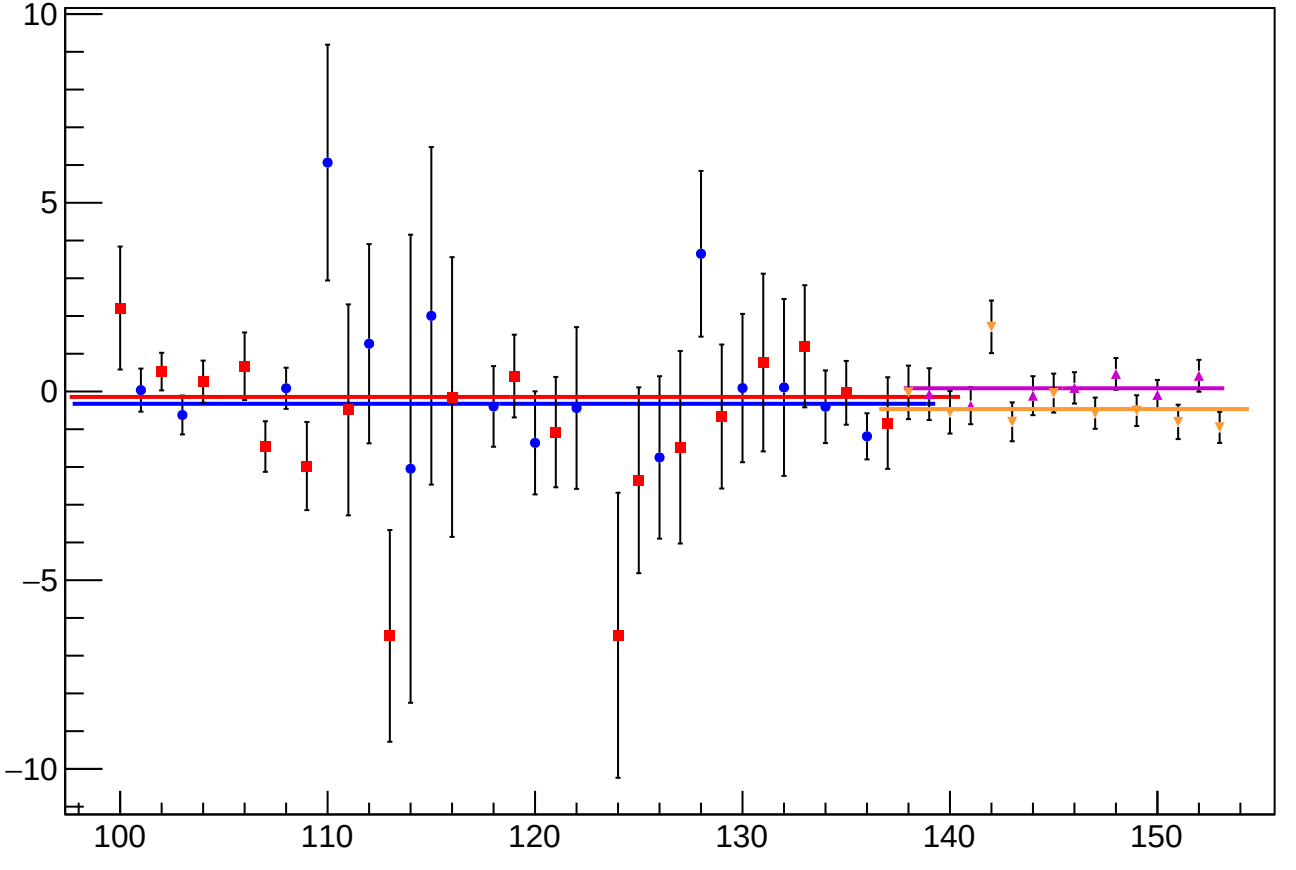
Left In: 8952.968+/-2.582 χ^2/NDF:192419.8/6

+ sign 9995.985+/-1.952 χ^2/NDF: 2016660.7/24

All: 10271.959+/-1.434 χ^2/NDF: 3985819.3/5

- sign 10594.818+/-2.112 χ^2/NDF: 1925801.7/25

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.465+/-0.164 χ^2/NDF:13.3/8

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

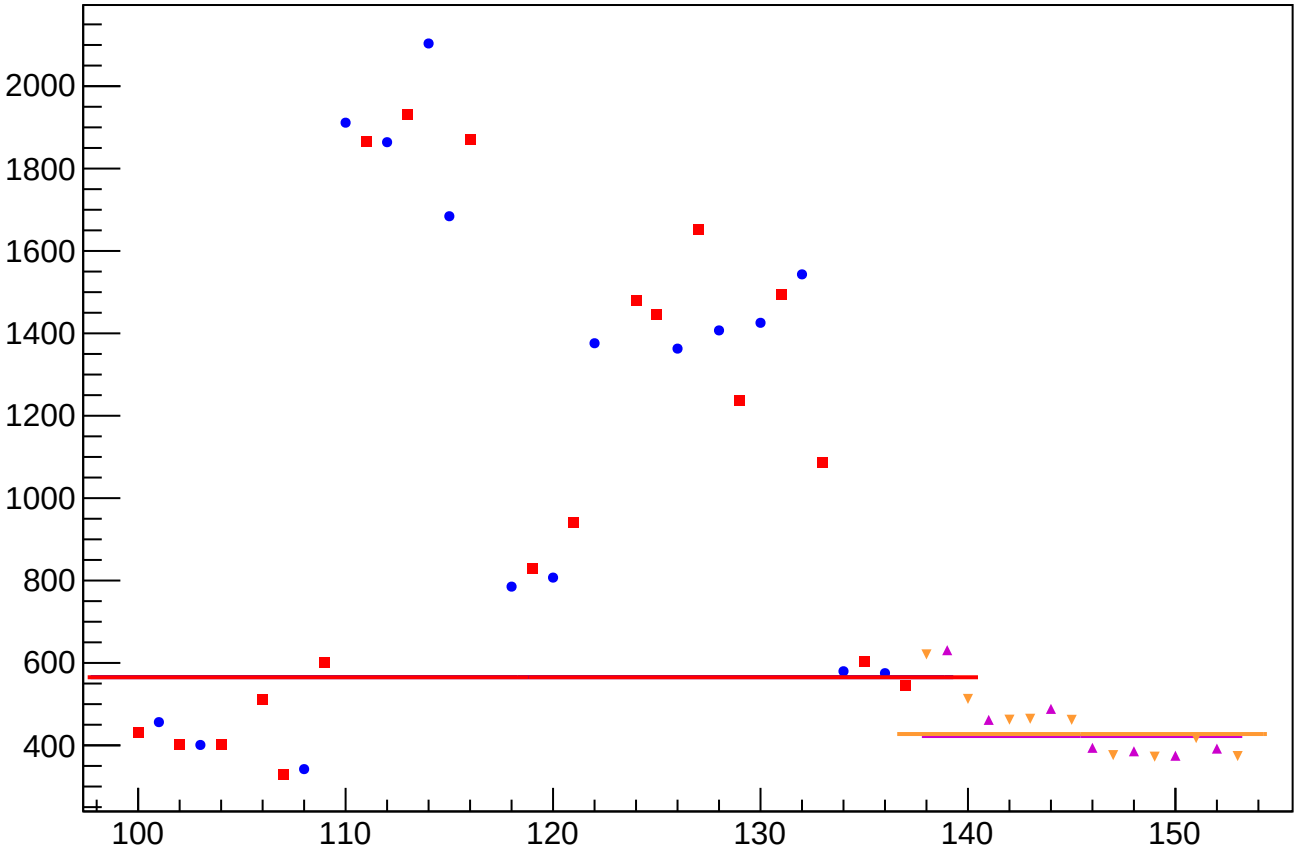
Left In: 0.085+/-0.173 χ^2/NDF:2.7/6

+ sign -0.422+/-0.136 χ^2/NDF: 26.1/24

All: -0.215+/-0.098 χ^2/NDF: 56.7/50

- sign 0.009+/-0.141 χ^2/NDF: 25.7/25

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 427.445+/-0.116 χ^2/NDF:320717.2/8

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

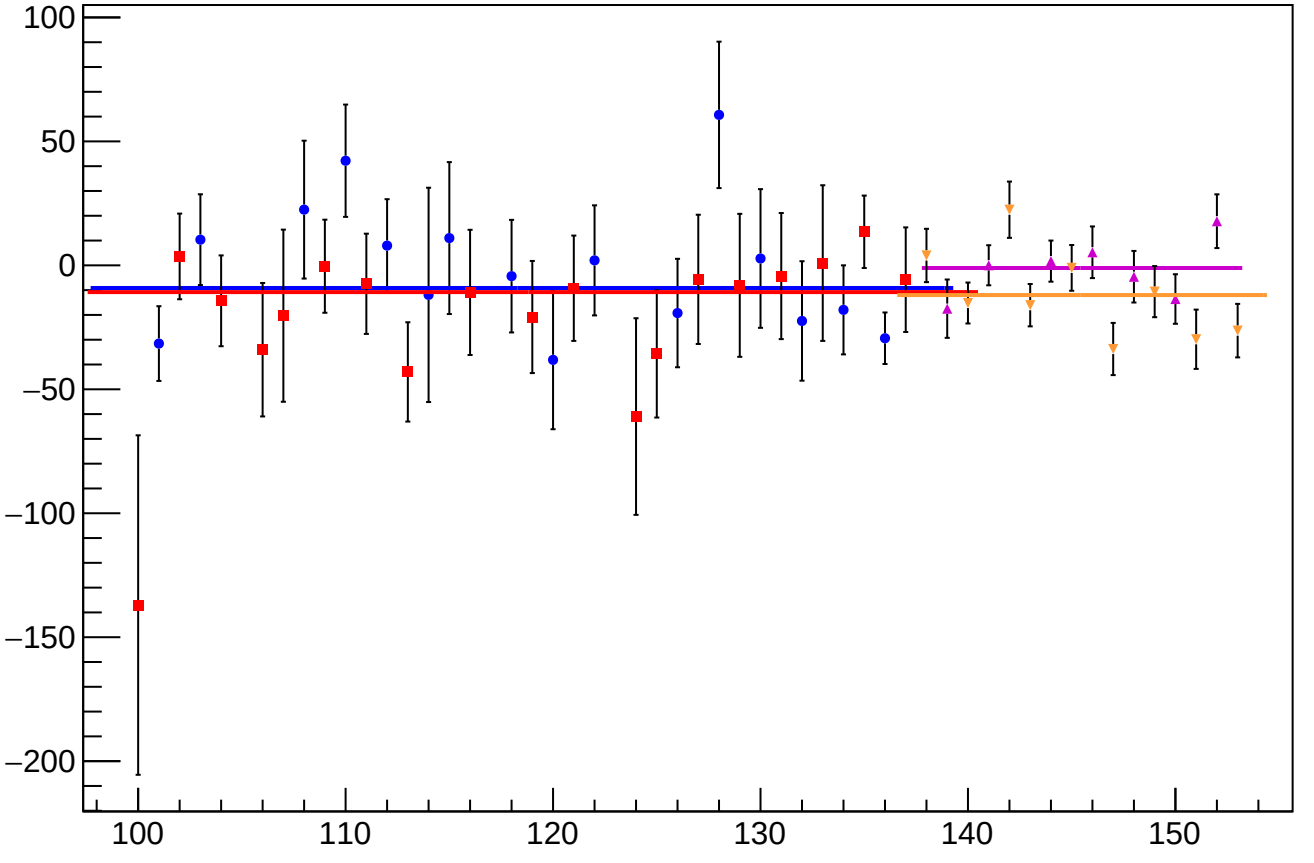
Left In: 422.576+/-0.122 χ^2/NDF:294030.6/6

\+ sign 470.281+/-0.096 χ^2/NDF: 4212634.7/24

All: 470.230+/-0.069 χ^2/NDF: 8532384.7/50

\- sign 470.175+/-0.100 χ^2/NDF: 4319749.4/25

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -11.986+/-3.323 χ^2/NDF:21.5/8

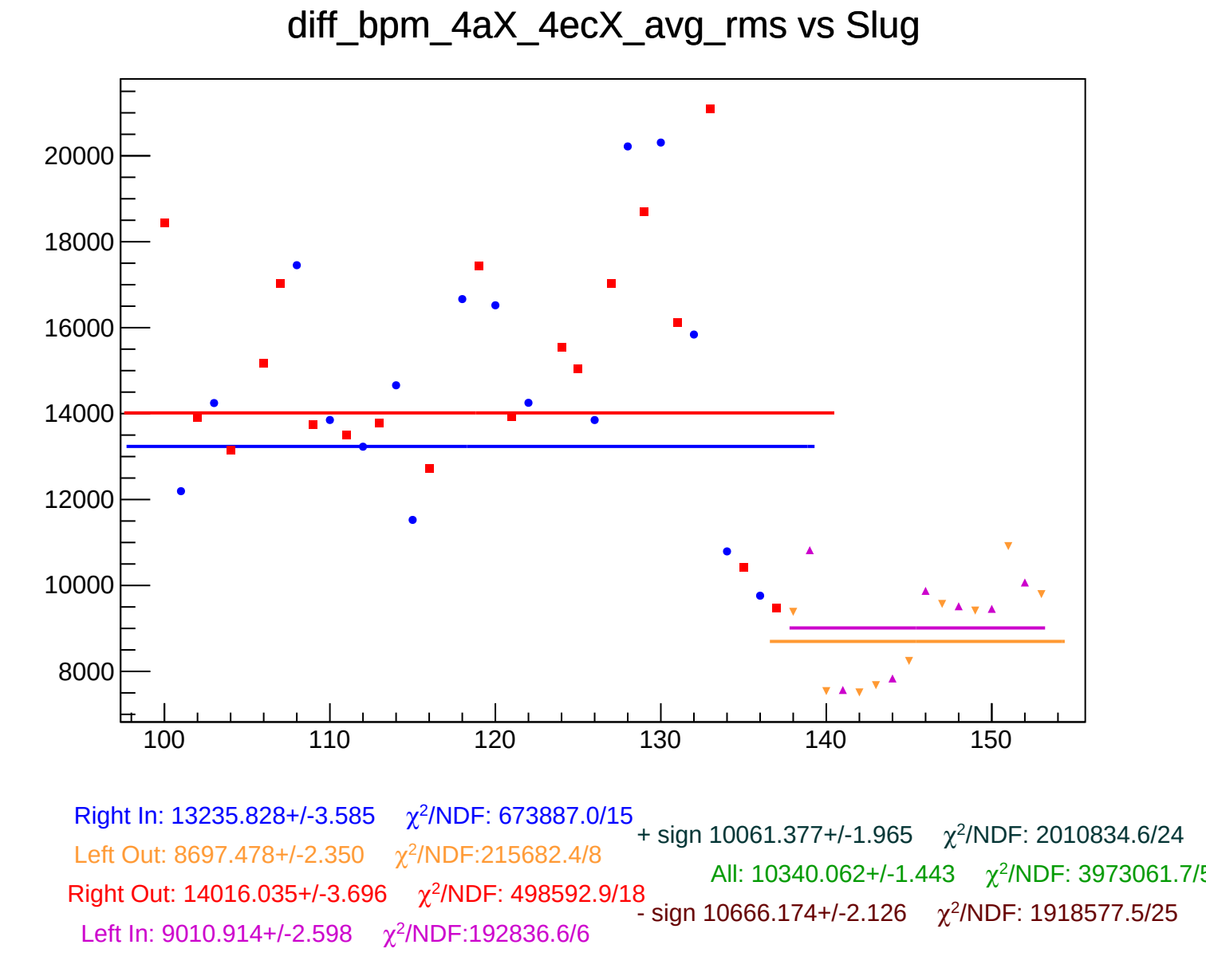
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -1.069+/-3.675 χ^2/NDF:7.2/6

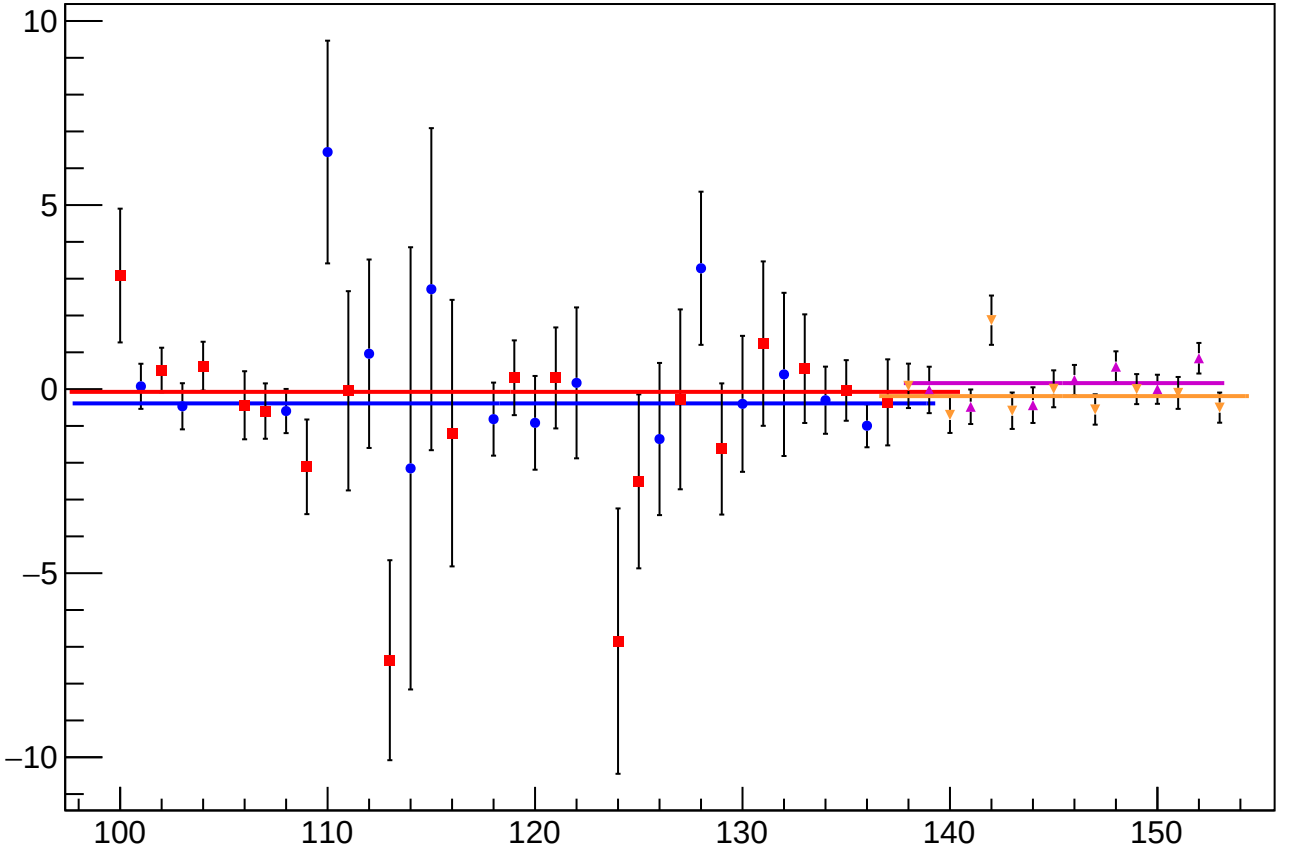
+ sign -11.128+/-2.779 χ^2/NDF: 44.4/24

All: -7.974+/-2.041 χ^2/NDF: 70.4/50

- sign -4.283+/-3.006 χ^2/NDF: 23.2/25


diff_bpm_4aX_4ecX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8697.478+/-2.350 χ²/NDF:215682.4/8
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 9010.914+/-2.598 χ²/NDF:192836.6/6
+ sign 10061.377+/-1.965 χ²/NDF: 2010834.6/24
All: 10340.062+/-1.443 χ²/NDF: 3973061.7/5
- sign 10666.174+/-2.126 χ²/NDF: 1918577.5/25

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.190+/-0.157 χ^2/NDF:13.2/8

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

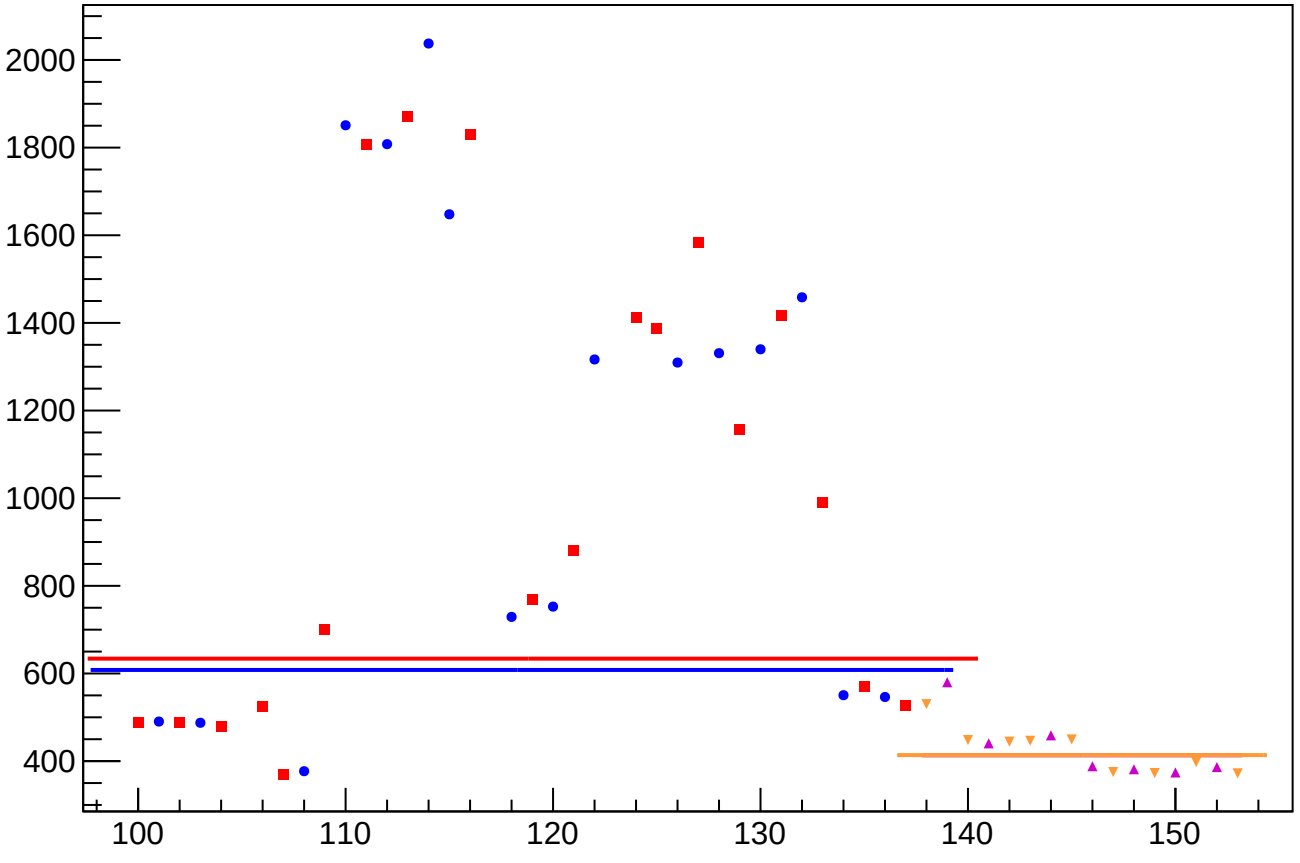
Left In: 0.163+/-0.168 χ^2/NDF:7.5/6

+ sign -0.244+/-0.134 χ^2/NDF: 25.3/24

All: -0.085+/-0.097 χ^2/NDF: 58.1/50

- sign 0.095+/-0.142 χ^2/NDF: 29.8/25

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 413.770+/-0.111 χ^2/NDF:168483.5/8

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

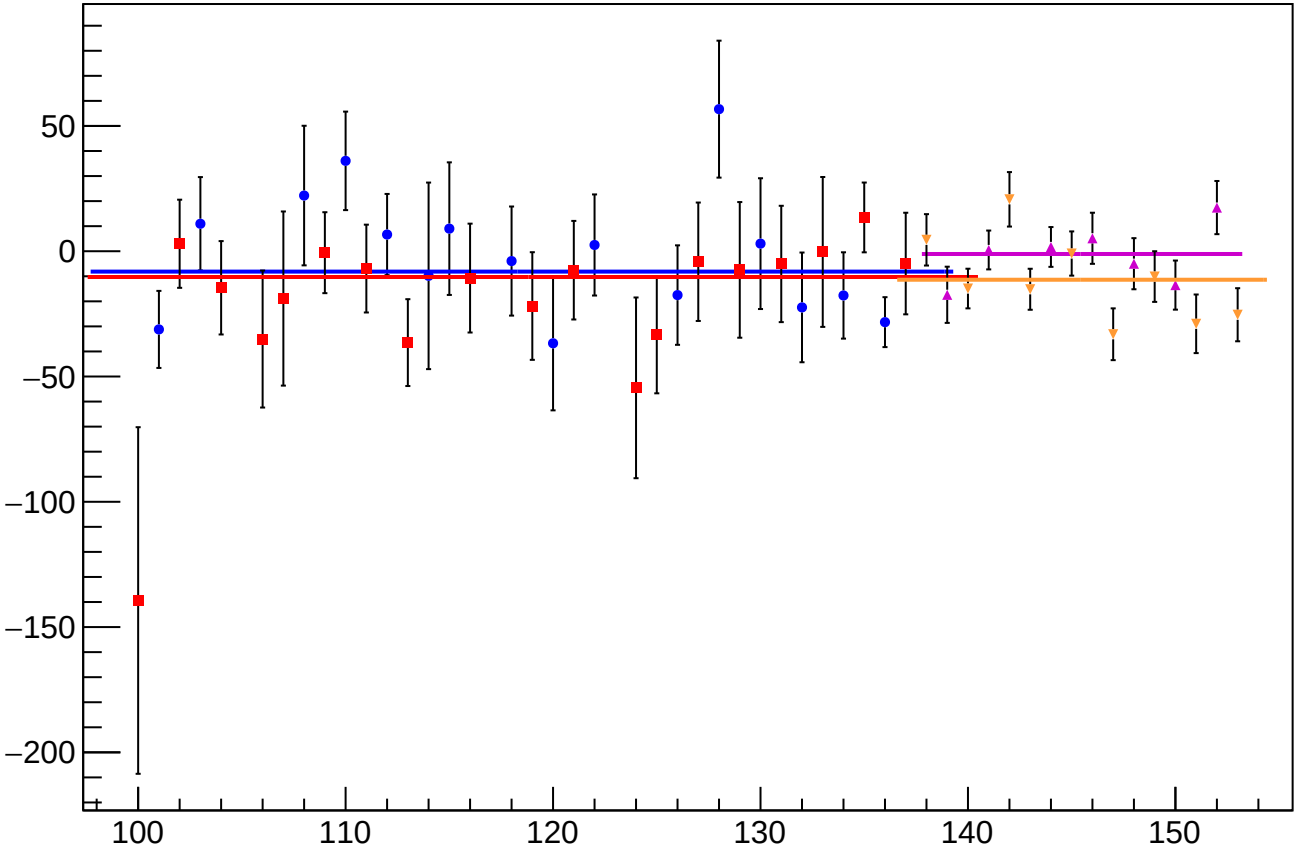
Left In: 413.299+/-0.119 χ^2/NDF:211371.7/6

+ sign 467.141+/-0.095 χ^2/NDF: 3858729.0/24

All: 471.742+/-0.069 χ^2/NDF: 7853257.5/50

- sign 476.912+/-0.100 χ^2/NDF: 3989521.5/25

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -11.379+/-3.209 χ^2/NDF:21.4/8

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

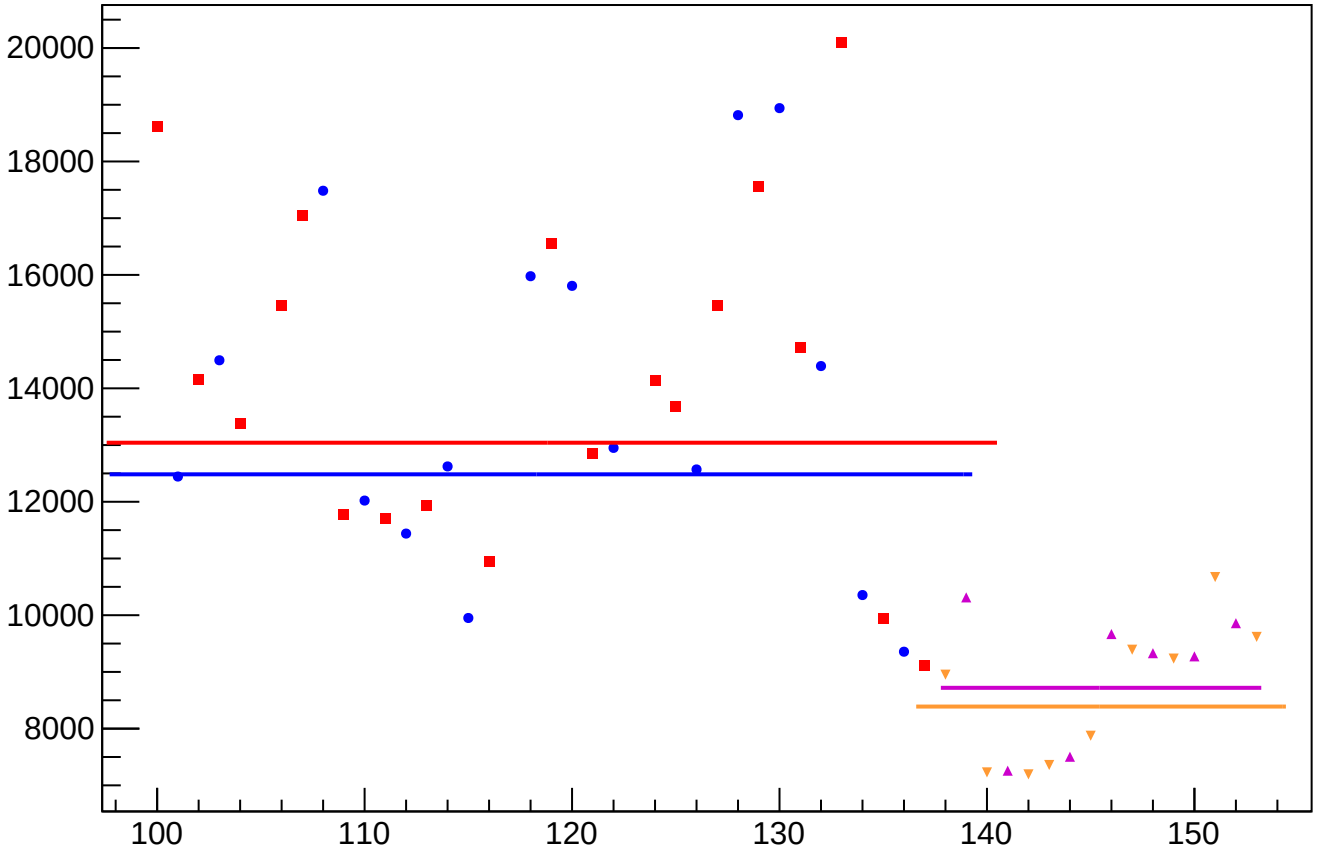
Left In: -1.104+/-3.559 χ^2/NDF:7.5/6

+ sign -10.370+/-2.664 χ^2/NDF: 44.8/24

All: -7.563+/-1.954 χ^2/NDF: 70.7/50

- sign -4.298+/-2.874 χ^2/NDF: 23.5/25

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8389.223+/-2.269 χ^2/NDF:247734.4/8

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

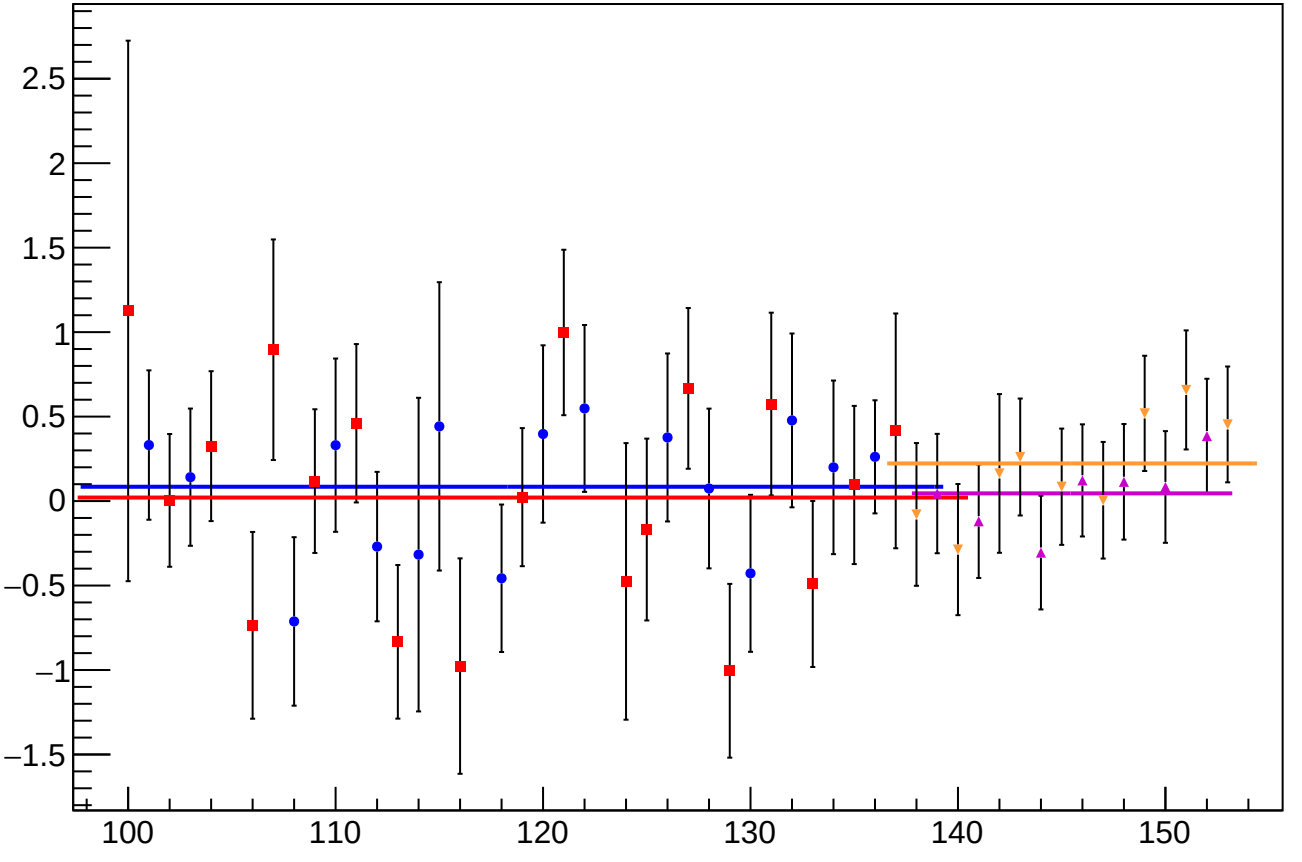
Left In: 8719.605+/-2.516 χ^2/NDF:212205.8/6

+ sign 9661.761+/-1.884 χ^2/NDF: 1931228.8/24

All: 9920.930+/-1.382 χ^2/NDF: 3754686.7/50

- sign 10222.505+/-2.032 χ^2/NDF: 1782508.9/25

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.223+/-0.122 χ^2/NDF:5.6/8

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

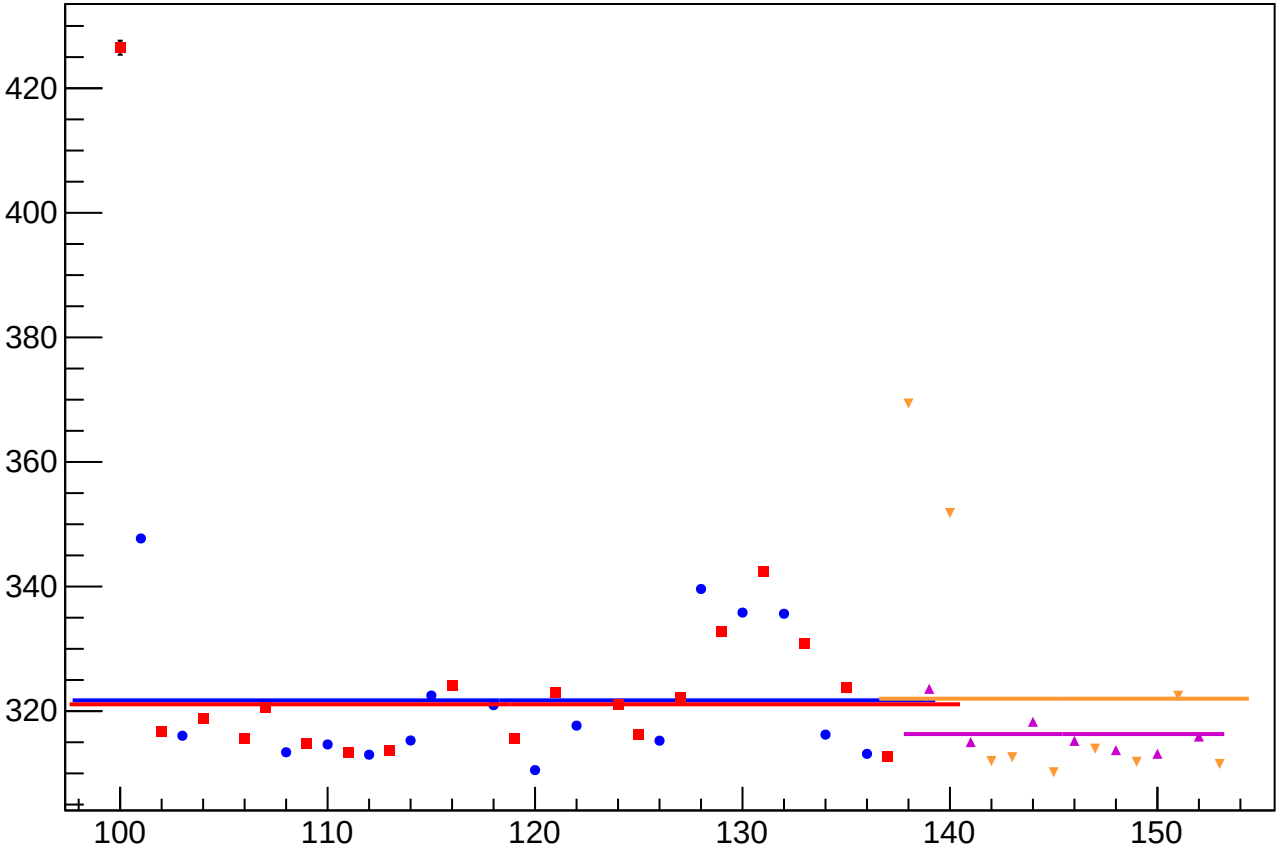
Left In: 0.046+/-0.128 χ^2/NDF:2.4/6

+ sign 0.153+/-0.086 χ^2/NDF: 15.6/24

All: 0.093+/-0.061 χ^2/NDF: 43.3/50

- sign 0.032+/-0.087 χ^2/NDF: 26.7/25

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 321.996+/-0.086 χ^2/NDF:46425.4/8

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

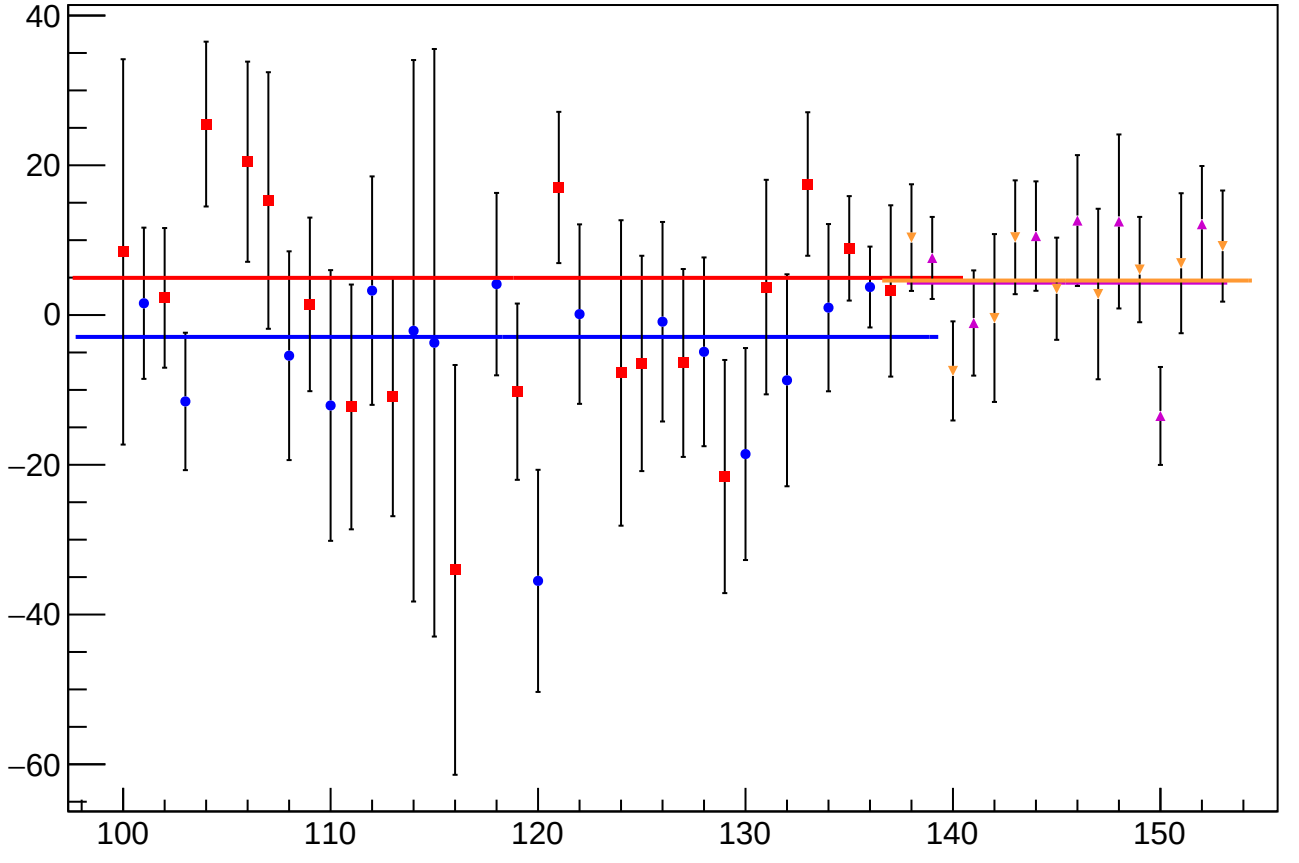
Left In: 316.317+/-0.090 χ^2/NDF:1264.8/6

+ sign 321.860+/-0.061 χ^2/NDF: 64644.9/24

All: 320.398+/-0.043 χ^2/NDF: 85179.0/50

- sign 318.906+/-0.061 χ^2/NDF: 19356.7/25

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.608+/-2.610 χ^2/NDF:5.3/8

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

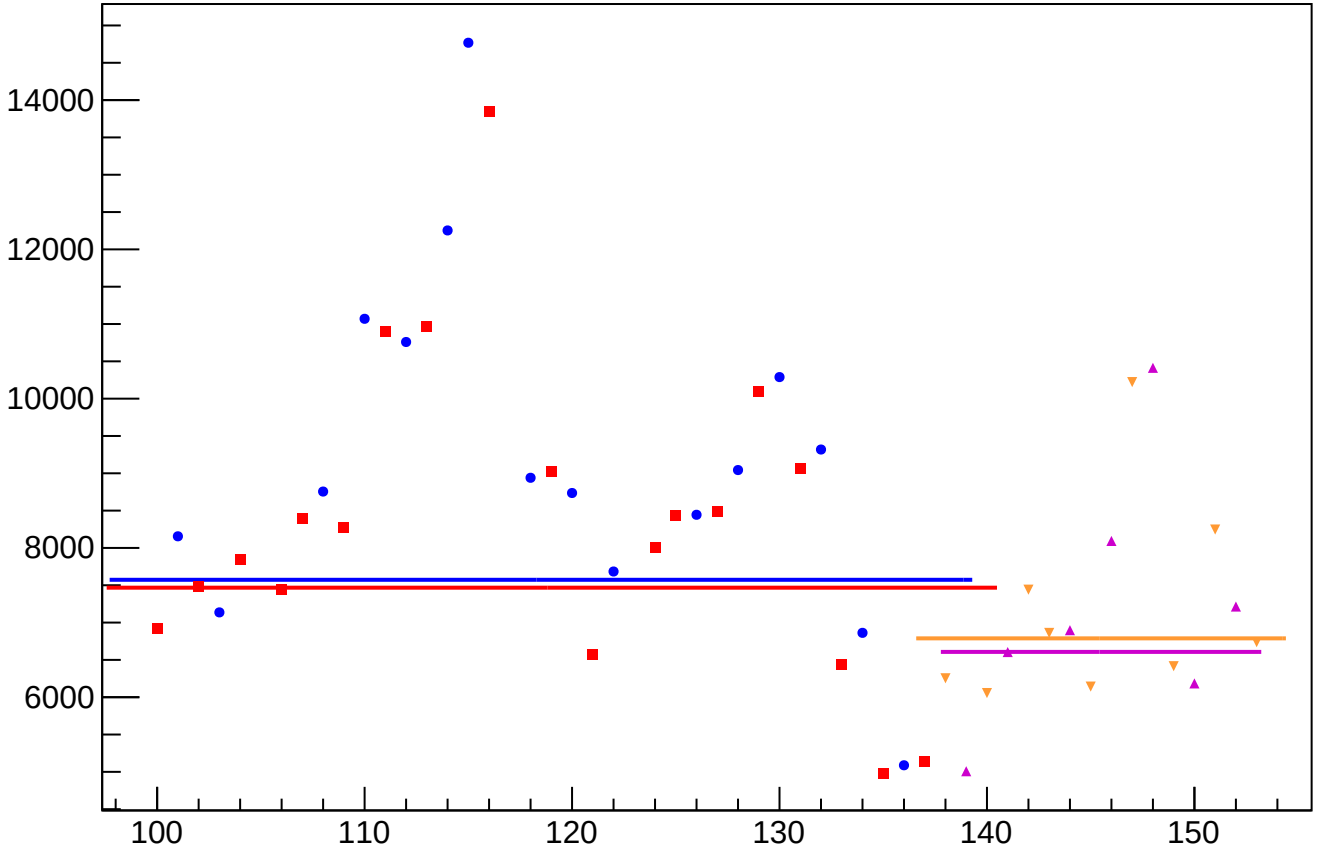
Left In: 4.323+/-2.745 χ^2/NDF:11.5/6

+ sign 1.251+/-1.943 χ^2/NDF: 18.8/24

All: 2.921+/-1.383 χ^2/NDF: 51.3/50

- sign 4.635+/-1.968 χ^2/NDF: 30.9/25

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6788.486+/-1.845 χ^2/NDF:296883.1/8

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

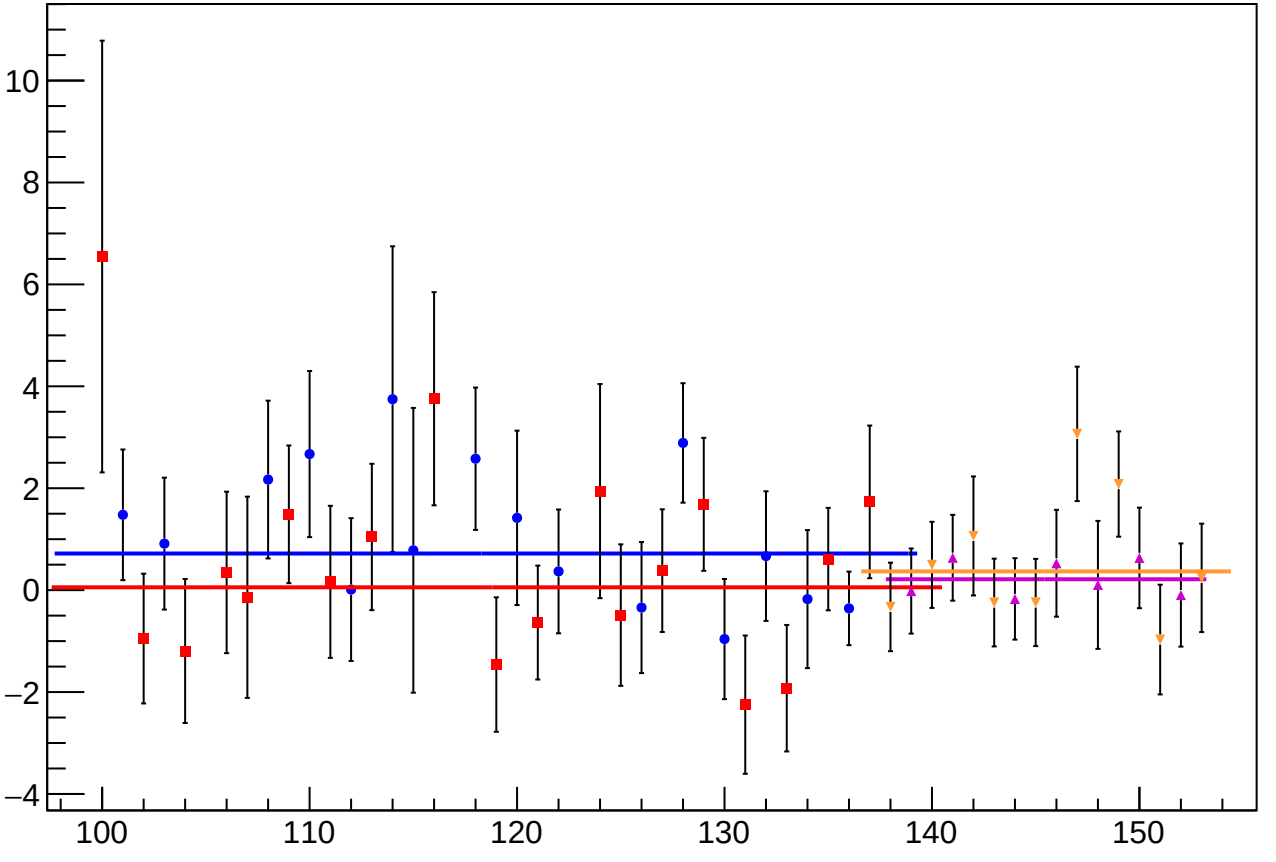
Left In: 6607.111+/-1.941 χ^2/NDF:466459.4/6

+ sign 7138.245+/-1.374 χ^2/NDF: 1275055.1/24

All: 7082.400+/-0.978 χ^2/NDF: 2668669.2/50

- sign 7025.091+/-1.392 χ^2/NDF: 1390266.6/25

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.368+/-0.326 χ^2/NDF:10.5/8

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

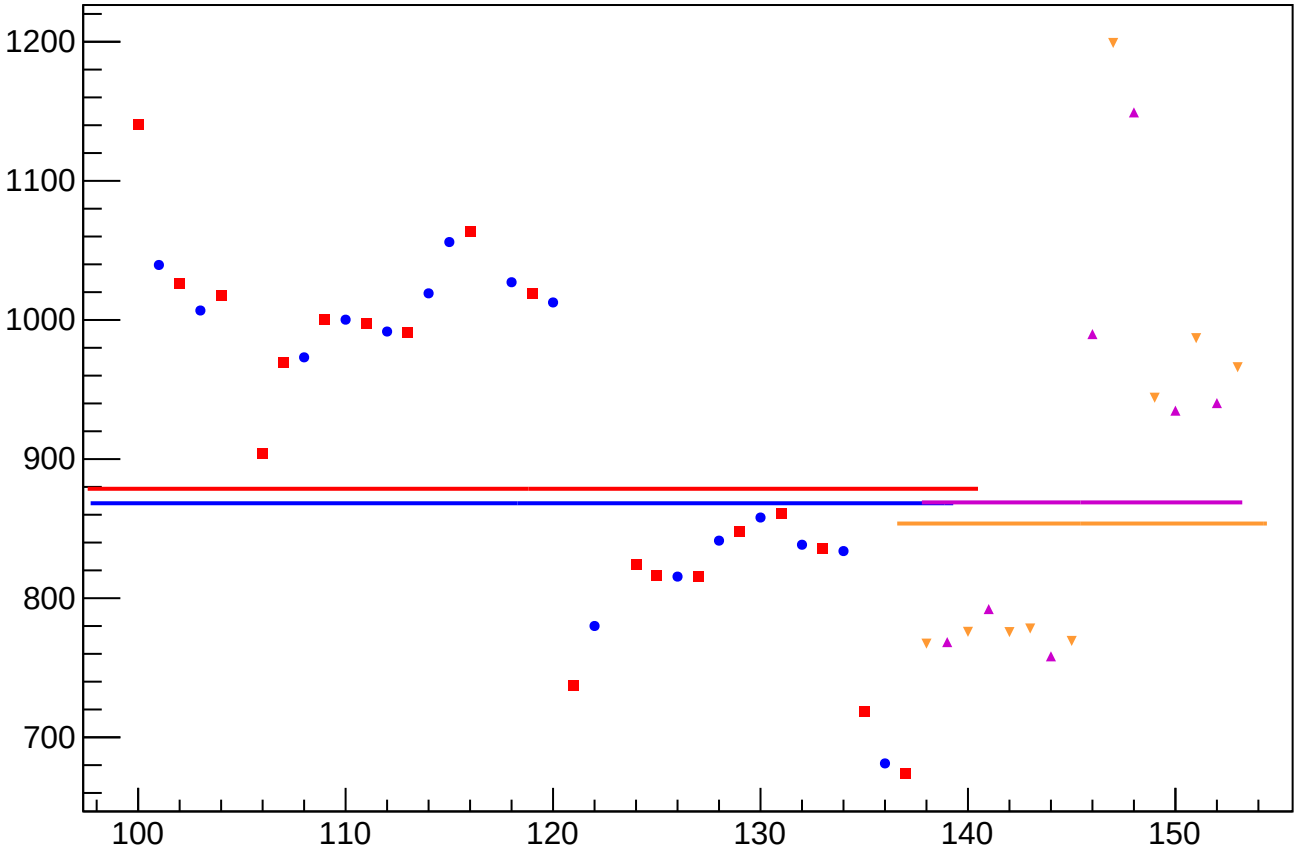
Left In: 0.214+/-0.355 χ^2/NDF:0.9/6

+ sign 0.543+/-0.230 χ^2/NDF: 25.9/24

All: 0.343+/-0.166 χ^2/NDF: 48.3/50

- sign 0.128+/-0.239 χ^2/NDF: 20.9/25

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 853.674+/-0.230 χ^2/NDF:285958.7/8

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

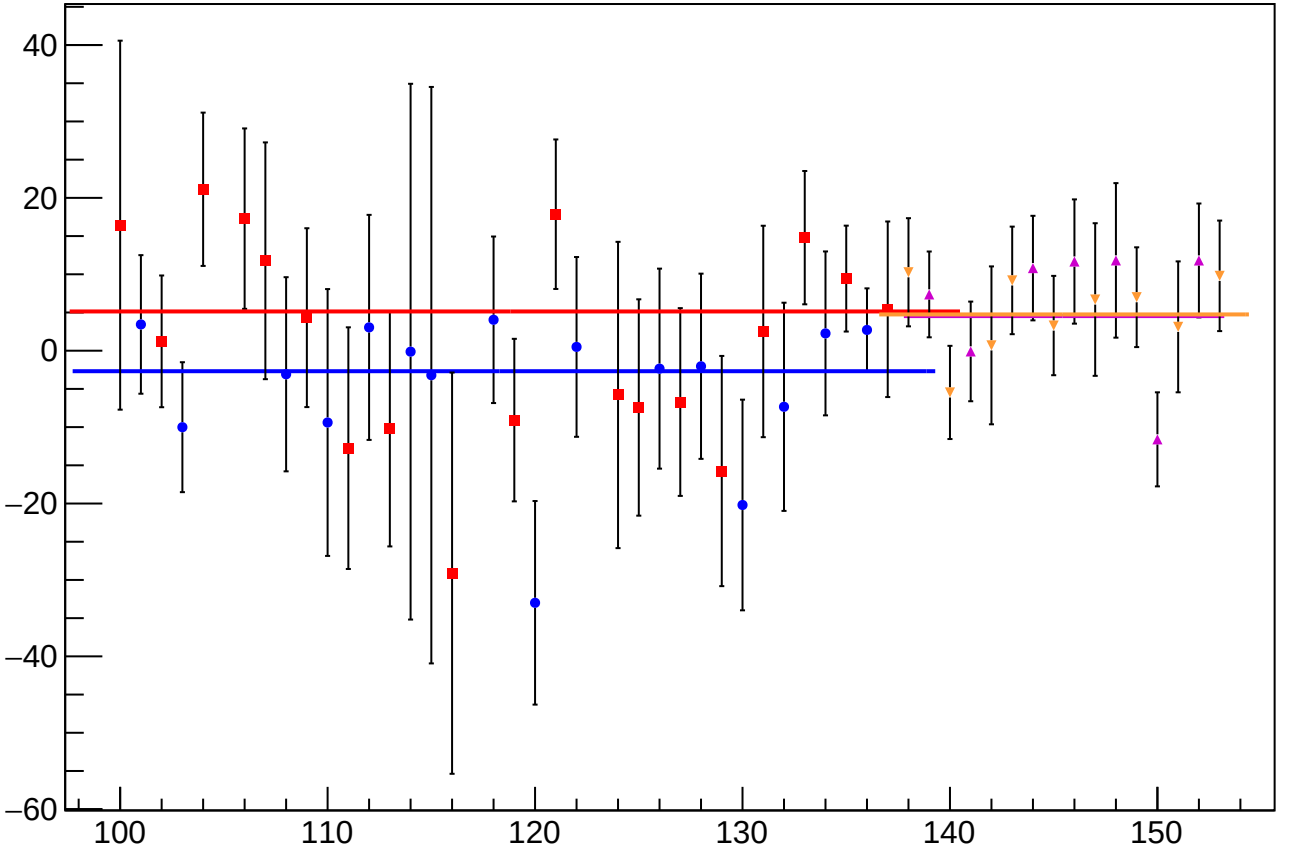
Left In: 868.860+/-0.251 χ^2/NDF:229075.8/6

+ sign 860.957+/-0.163 χ^2/NDF: 590370.8/24

All: 867.341+/-0.117 χ^2/NDF: 1095999.7/50

- sign 874.208+/-0.169 χ^2/NDF: 502440.4/25

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.747+/-2.452 χ^2/NDF:4.7/8

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

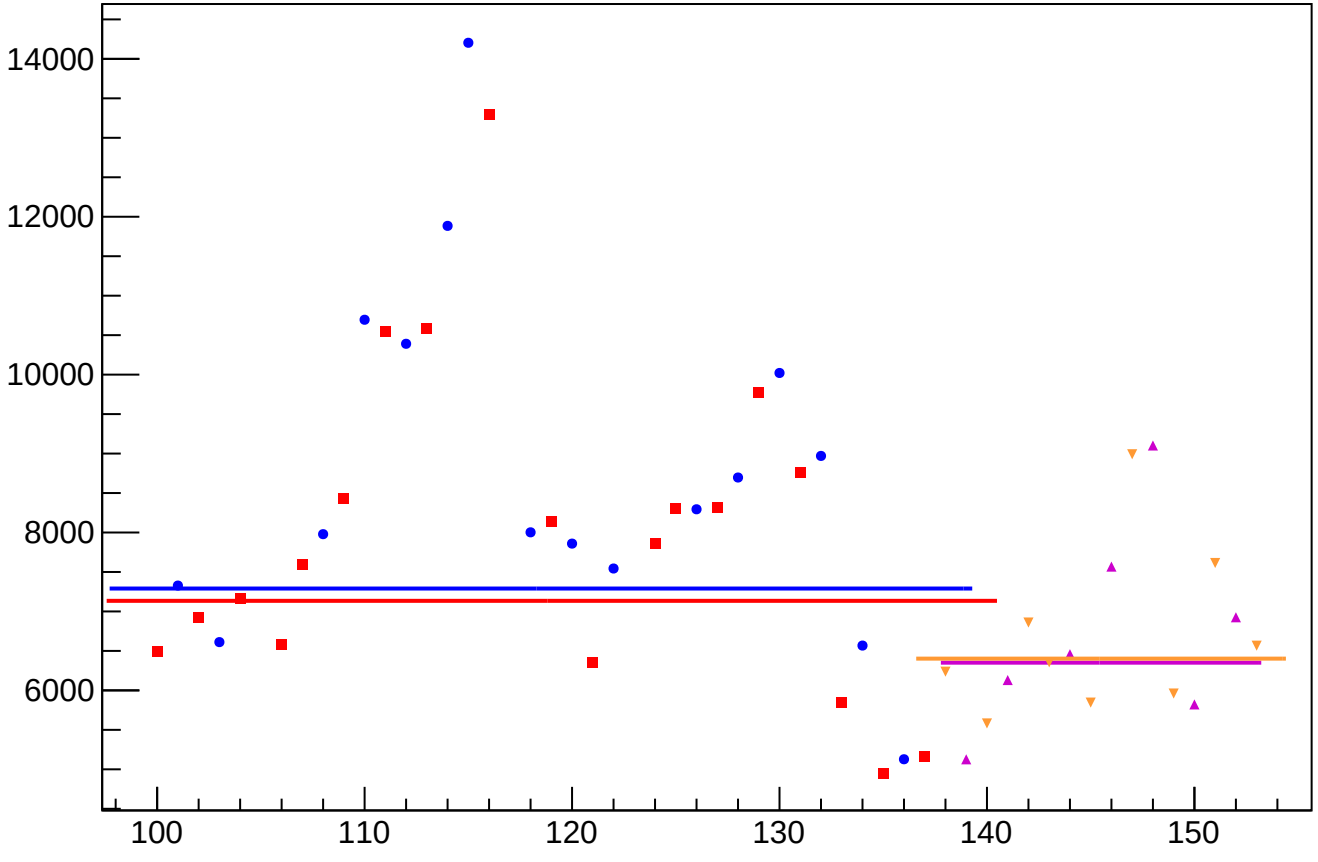
Left In: 4.530+/-2.618 χ^2/NDF:10.7/6

+ sign 1.506+/-1.841 χ^2/NDF: 18.8/24

All: 3.134+/-1.314 χ^2/NDF: 48.4/50

- sign 4.825+/-1.877 χ^2/NDF: 28.0/25

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6402.295+/-1.734 χ^2/NDF:240642.4/8

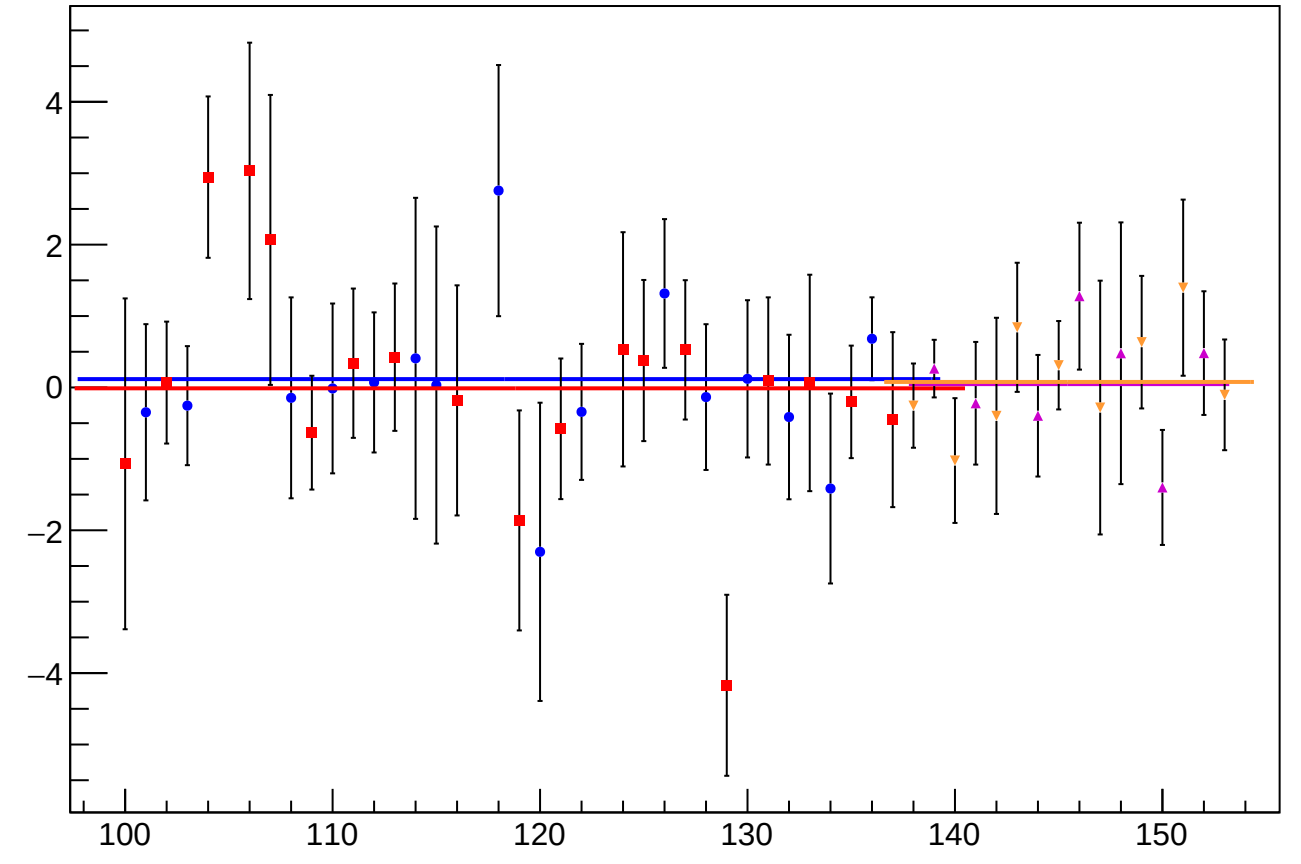
Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6351.080+/-1.851 χ^2/NDF:317431.3/6

+ sign 6789.560+/-1.302 χ^2/NDF: 1125538.3/24

All: 6761.232+/-0.929 χ^2/NDF: 2323765.3/50

- sign 6731.805+/-1.327 χ^2/NDF: 1197261.9/25



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: 0.077+/-0.285 χ^2/NDF:4.5/8

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

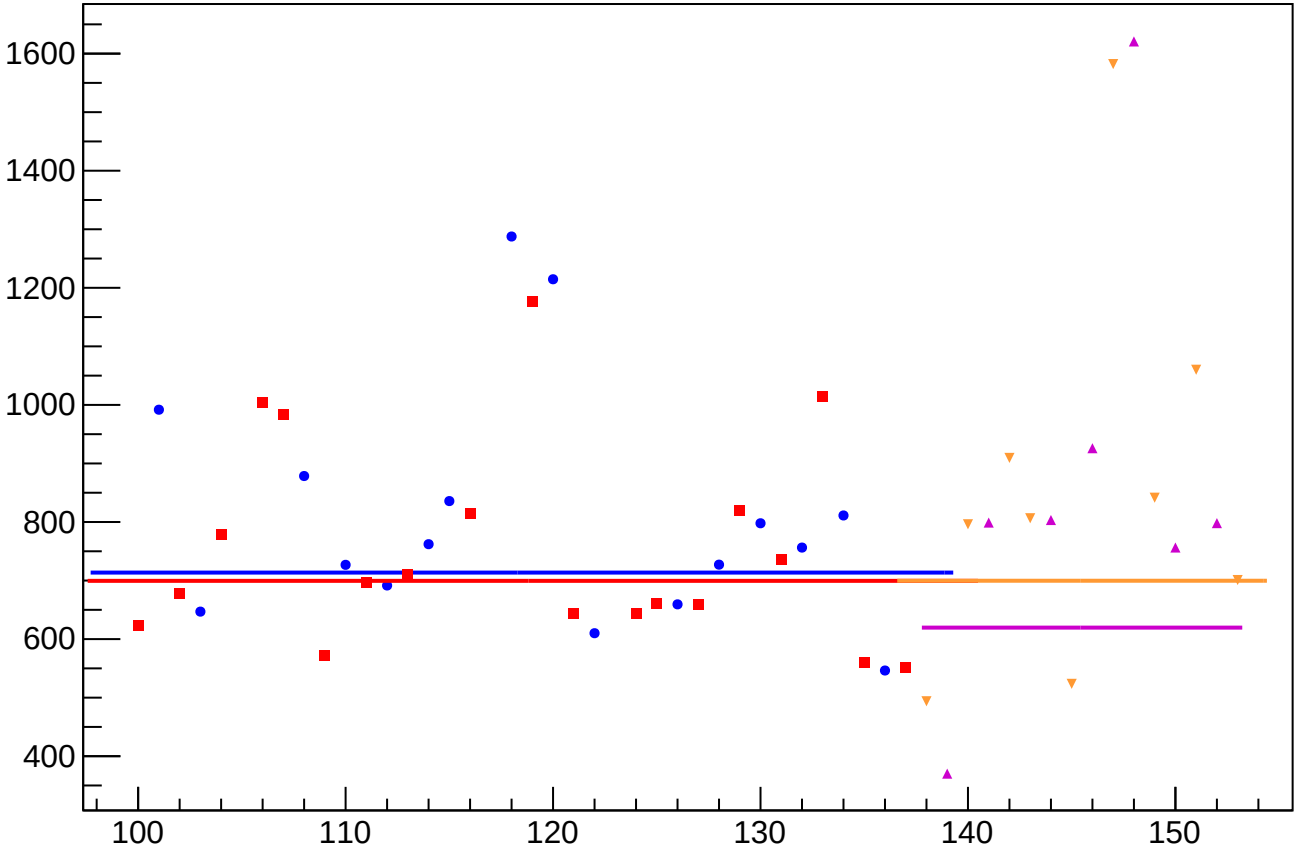
Left In: 0.047+/-0.277 χ^2/NDF:5.6/6

+ sign 0.098+/-0.197 χ^2/NDF: 12.6/24

All: 0.056+/-0.137 χ^2/NDF: 43.5/50

- sign 0.016+/-0.191 χ^2/NDF: 30.8/25

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 699.688+/-0.201 χ^2/NDF:1215049.4/8

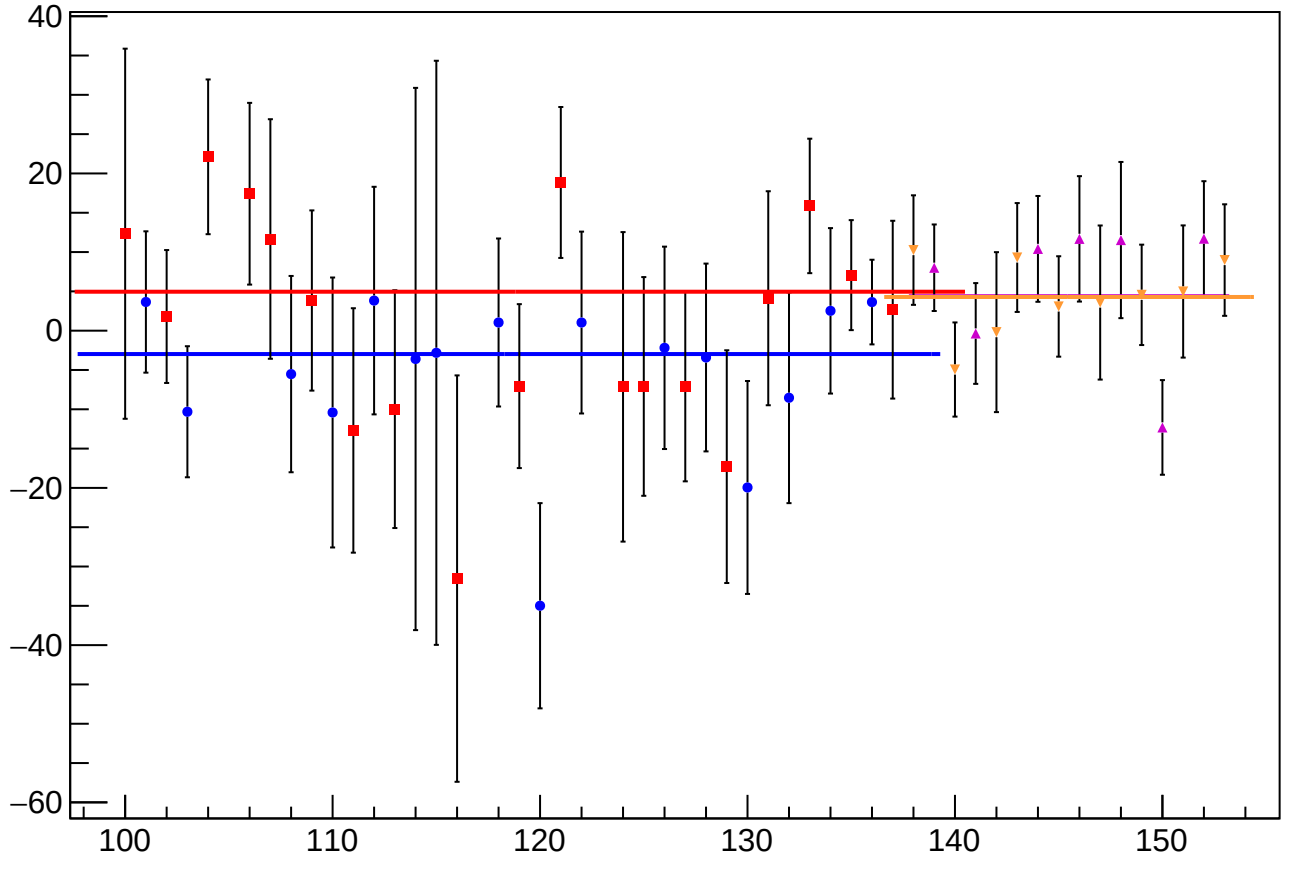
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 619.615+/-0.196 χ^2/NDF:1862573.2/6

+ sign 706.943+/-0.139 χ^2/NDF: 1916850.7/24

All: 683.574+/-0.097 χ^2/NDF: 4497016.7/50

- sign 661.643+/-0.135 χ^2/NDF: 2525649.4/25



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.286+/-2.408 χ^2/NDF:4.3/8

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

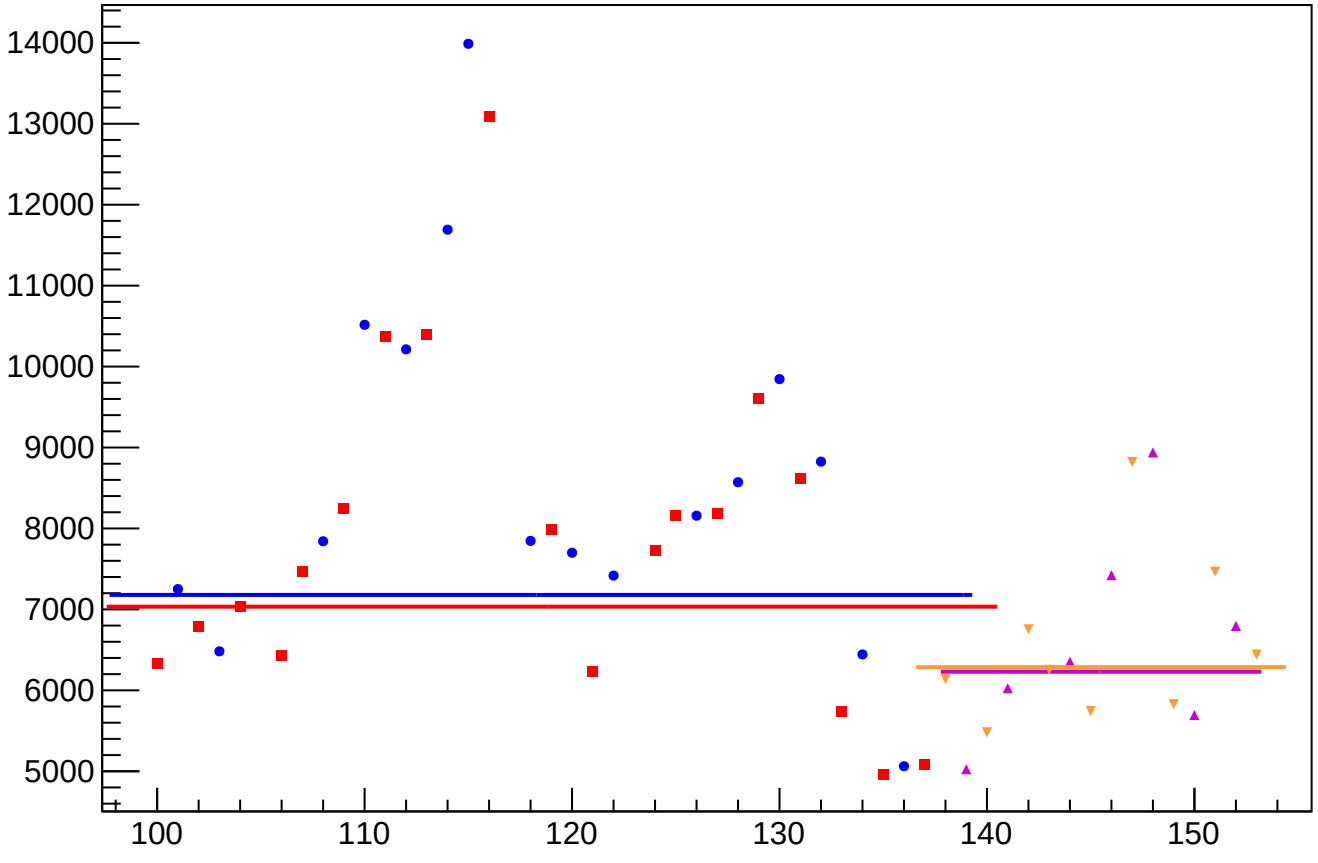
Left In: 4.386+/-2.569 χ^2/NDF:11.8/6

+ sign 1.131+/-1.811 χ^2/NDF: 19.8/24

All: 2.862+/-1.292 χ^2/NDF: 52.0/50

- sign 4.661+/-1.845 χ^2/NDF: 30.3/25

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6286.219+/-1.703 χ^2/NDF:240008.4/8

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

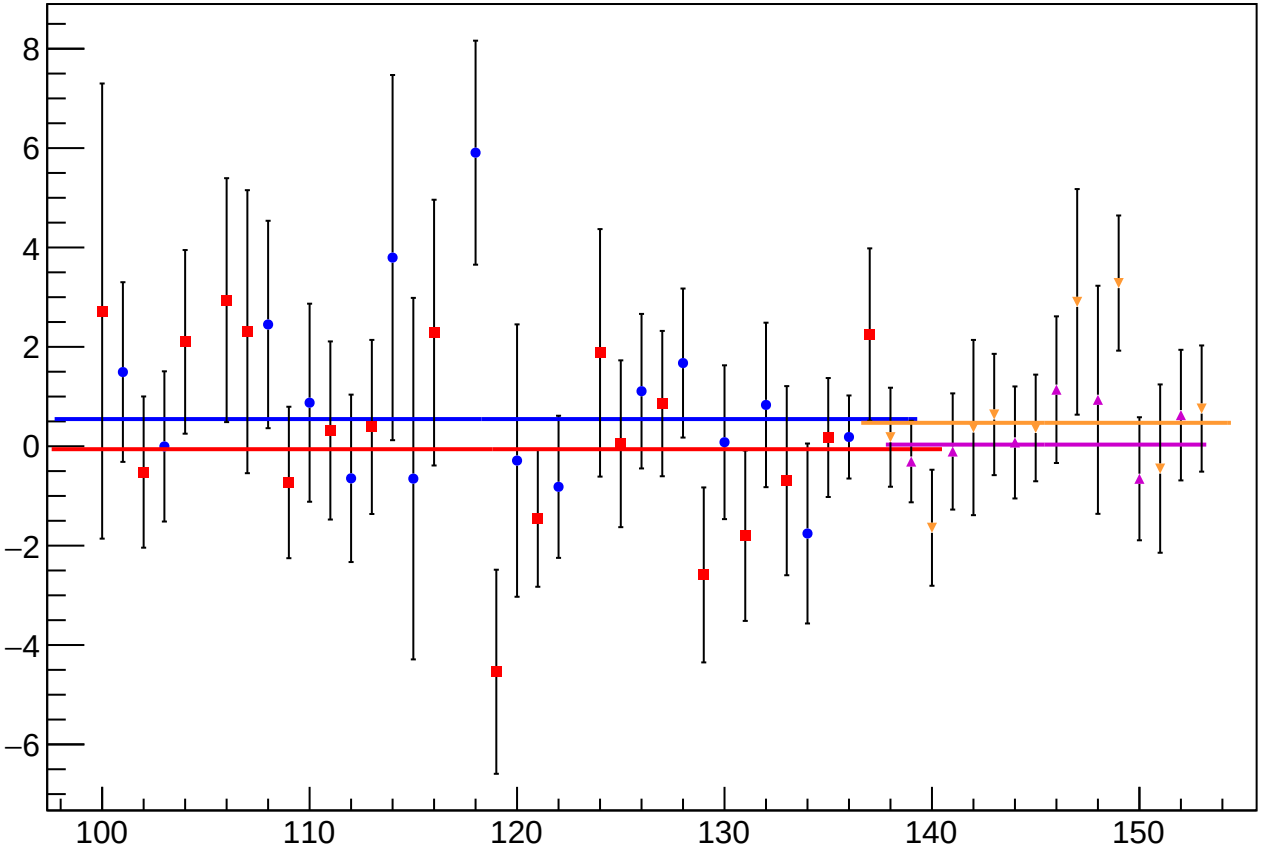
Left In: 6229.900+/-1.816 χ^2/NDF:319806.1/6

+ sign 6674.276+/-1.280 χ^2/NDF: 1121429.0/24

All: 6647.019+/-0.914 χ^2/NDF: 2303266.0/50

- sign 6618.700+/-1.305 χ^2/NDF: 1180912.8/25

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.472+/-0.434 χ^2/NDF:9.2/8

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

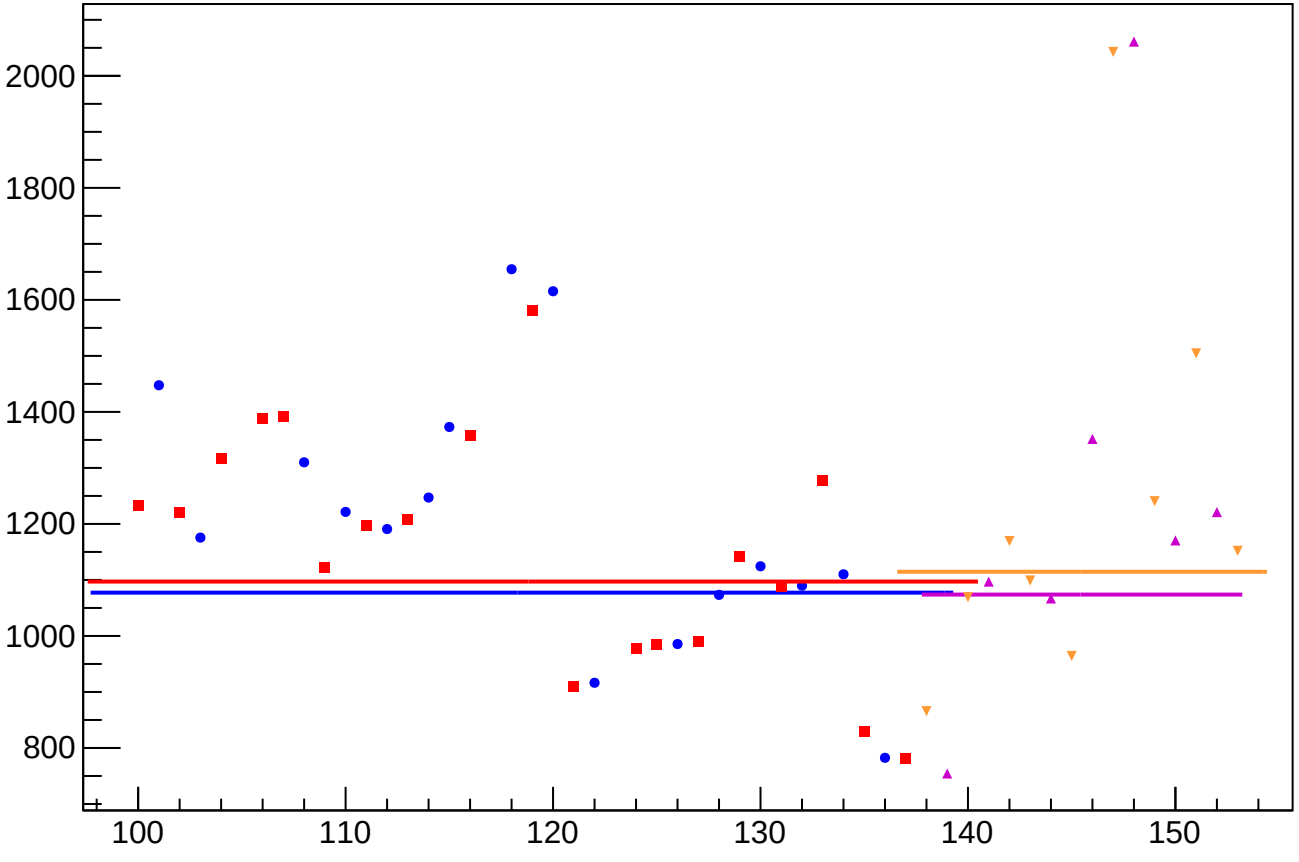
Left In: 0.033+/-0.452 χ^2/NDF:1.4/6

+ sign 0.511+/-0.298 χ^2/NDF: 21.1/24

All: 0.251+/-0.213 χ^2/NDF: 41.0/50

- sign -0.018+/-0.303 χ^2/NDF: 18.3/25

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1114.616+/-0.307 χ^2/NDF:628498.1/8

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

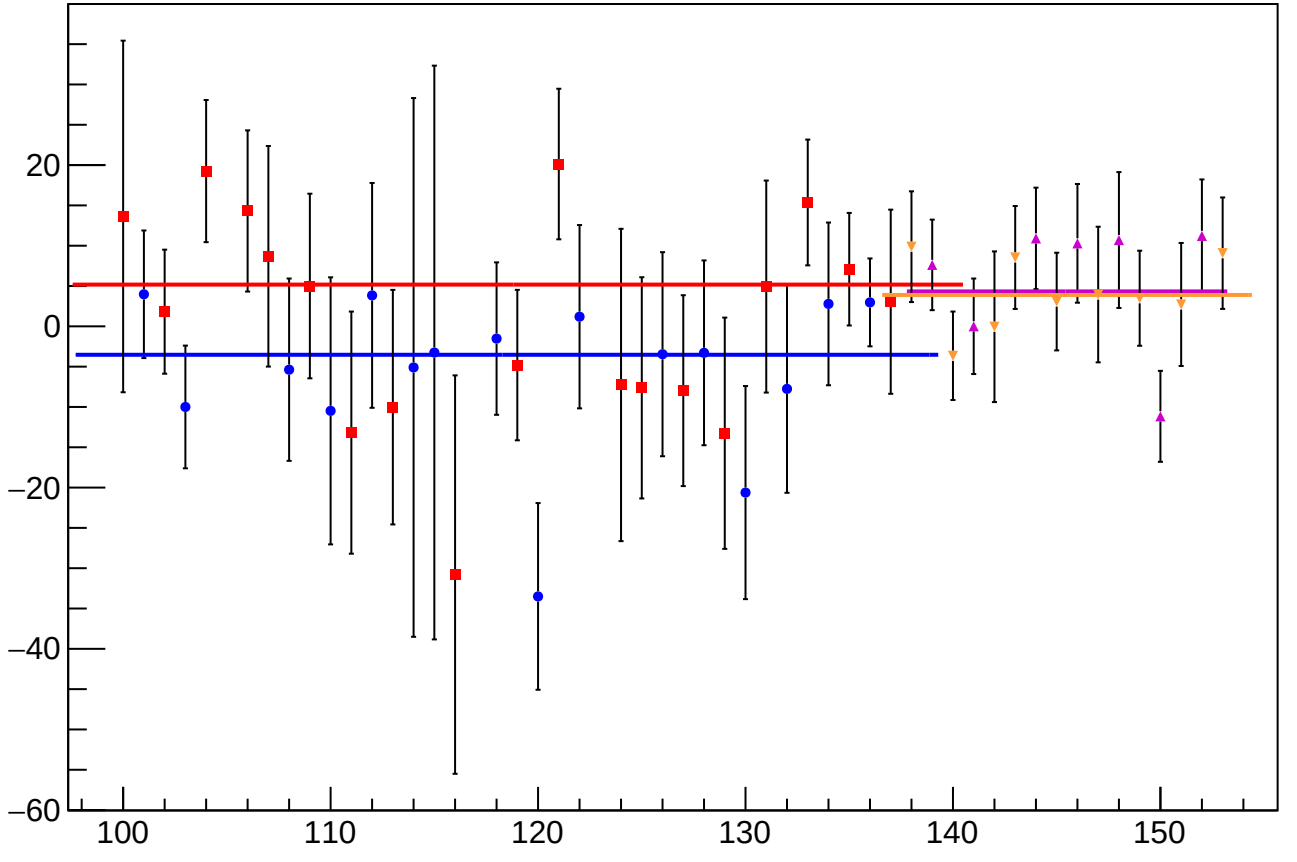
Left In: 1073.863+/-0.320 χ^2/NDF:782603.0/6

+ sign 1094.936+/-0.211 χ^2/NDF: 1282812.6/24

All: 1090.864+/-0.150 χ^2/NDF: 2553449.7/50

- sign 1086.658+/-0.214 χ^2/NDF: 1269880.1/25

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.892+/-2.244 χ^2/NDF:4.0/8

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

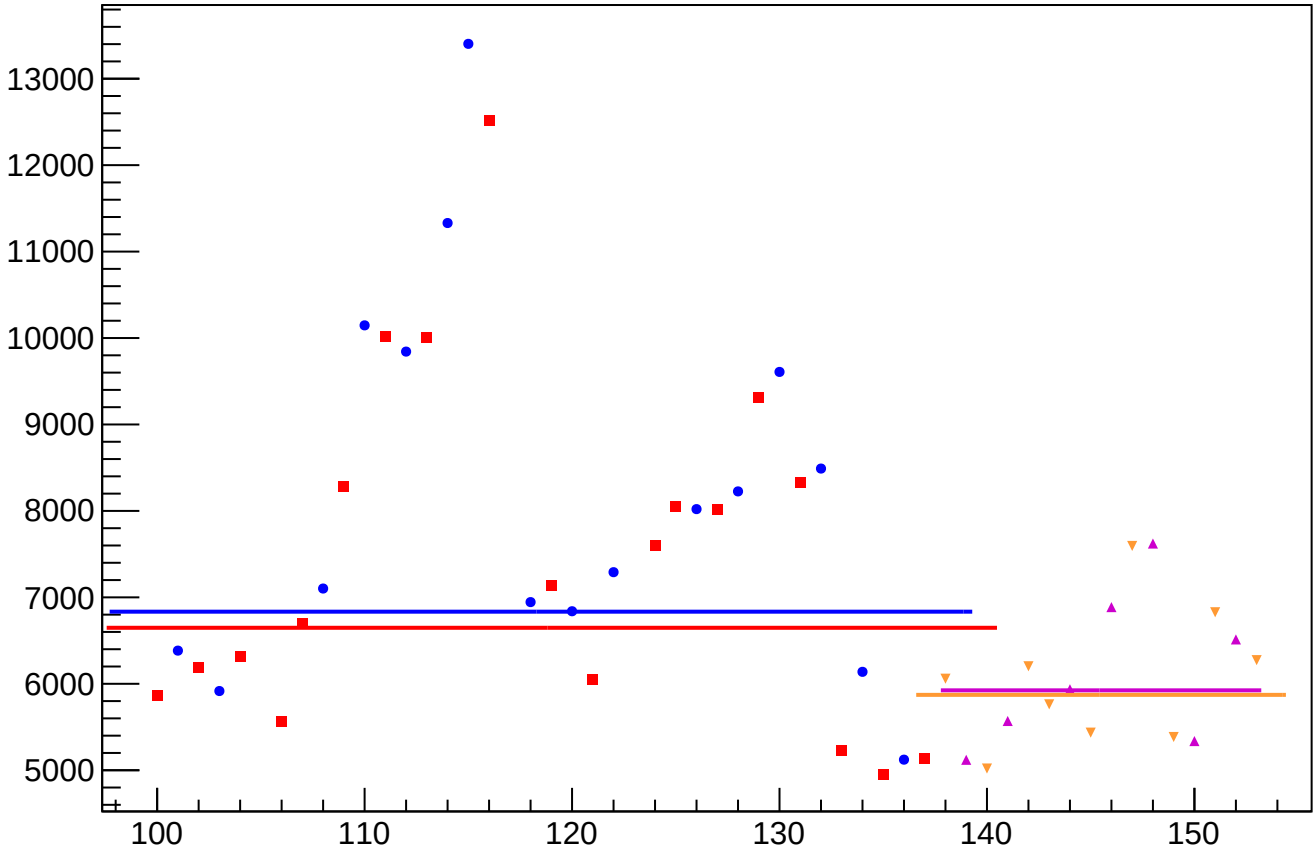
Left In: 4.334+/-2.427 χ^2/NDF:11.7/6

+ sign 0.737+/-1.701 χ^2/NDF: 21.2/24

All: 2.689+/-1.218 χ^2/NDF: 53.9/50

- sign 4.741+/-1.744 χ^2/NDF: 30.0/25

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5872.004+/-1.586 χ^2/NDF:198926.6/8

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

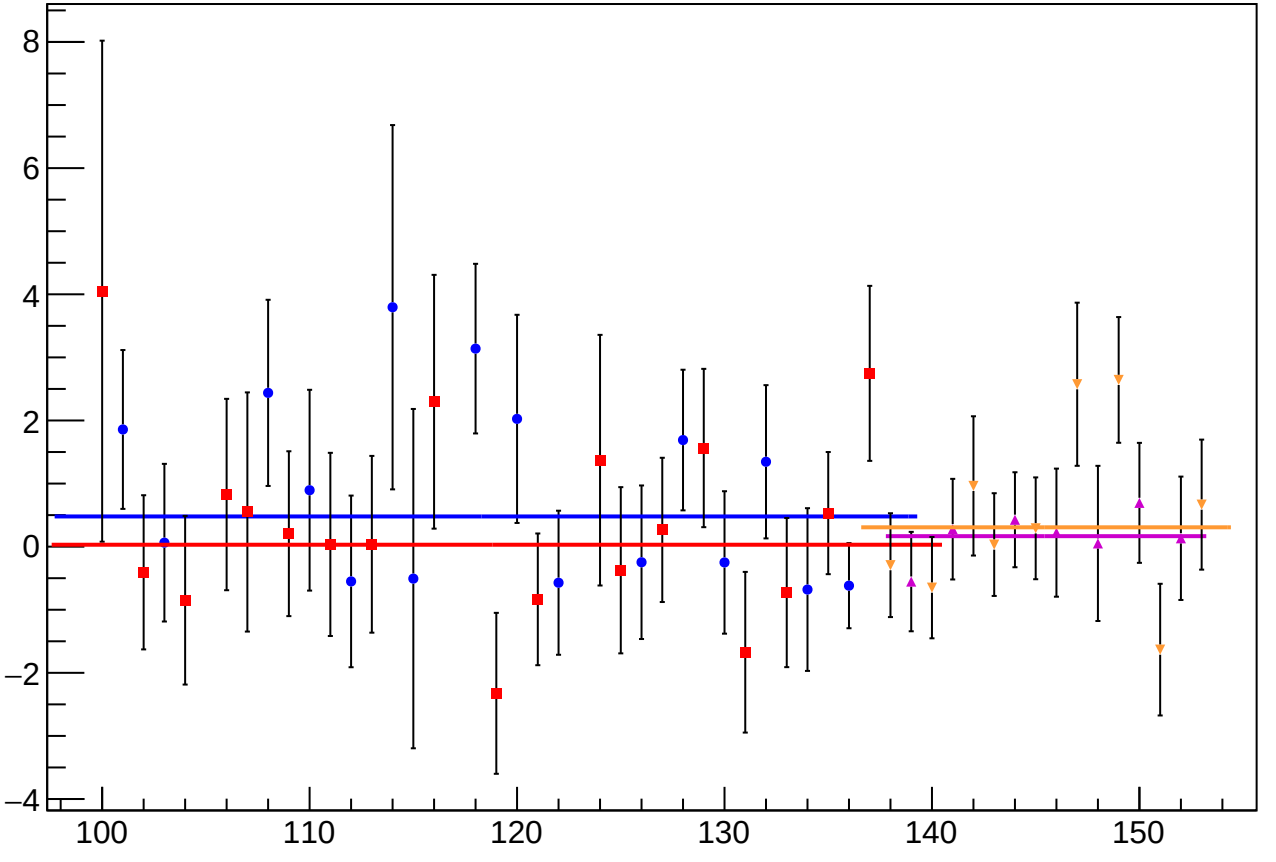
Left In: 5924.359+/-1.716 χ^2/NDF:199369.3/6

+ sign 6281.256+/-1.203 χ^2/NDF: 1048140.3/24

All: 6277.853+/-0.861 χ^2/NDF: 2118620.8/50

- sign 6274.274+/-1.233 χ^2/NDF: 1070464.1/25

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.307+/-0.311 χ^2/NDF:14.6/8

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

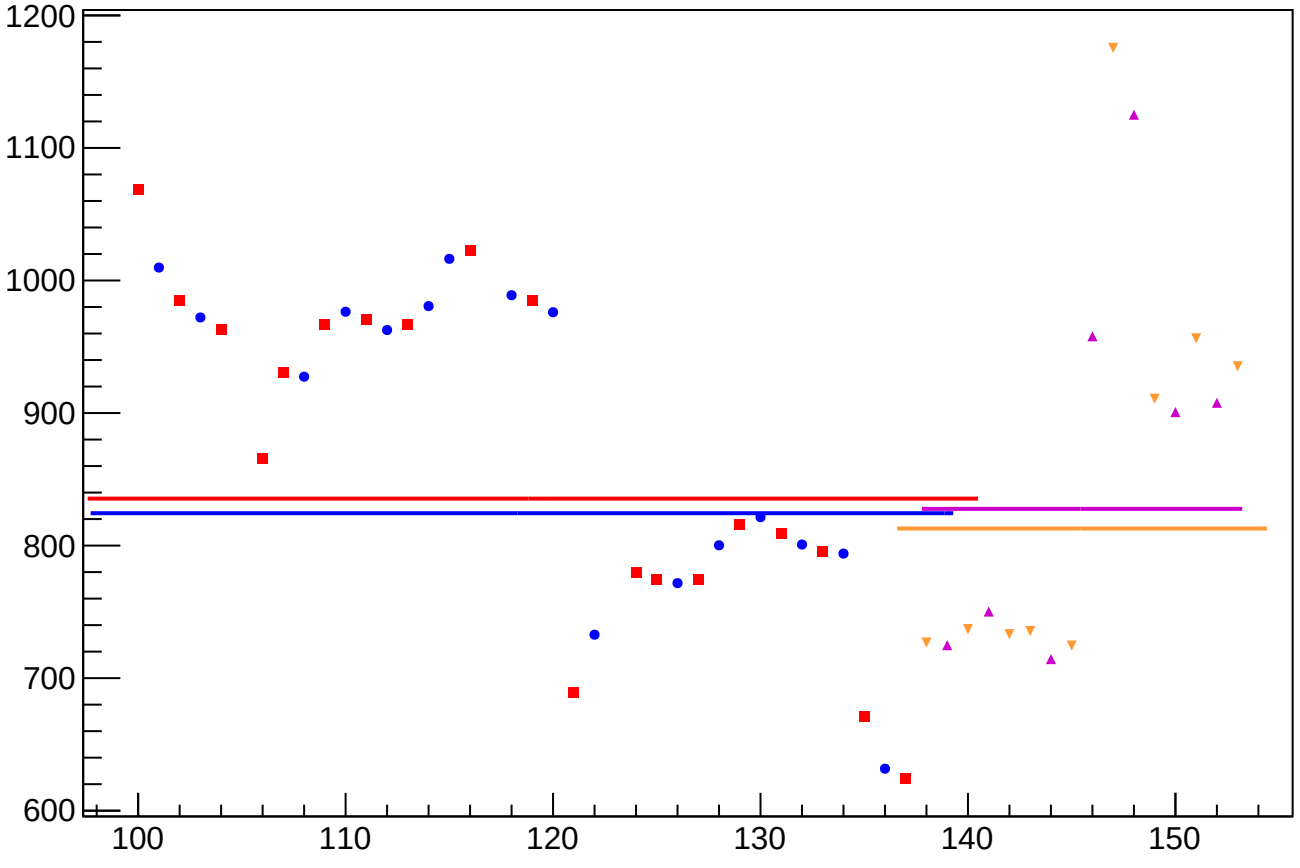
Left In: 0.166+/-0.338 χ^2/NDF:1.3/6

+ sign 0.393+/-0.220 χ^2/NDF: 31.4/24

All: 0.248+/-0.158 χ^2/NDF: 49.4/50

- sign 0.092+/-0.228 χ^2/NDF: 17.1/25

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 812.879+/-0.220 χ^2/NDF:334798.7/8

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

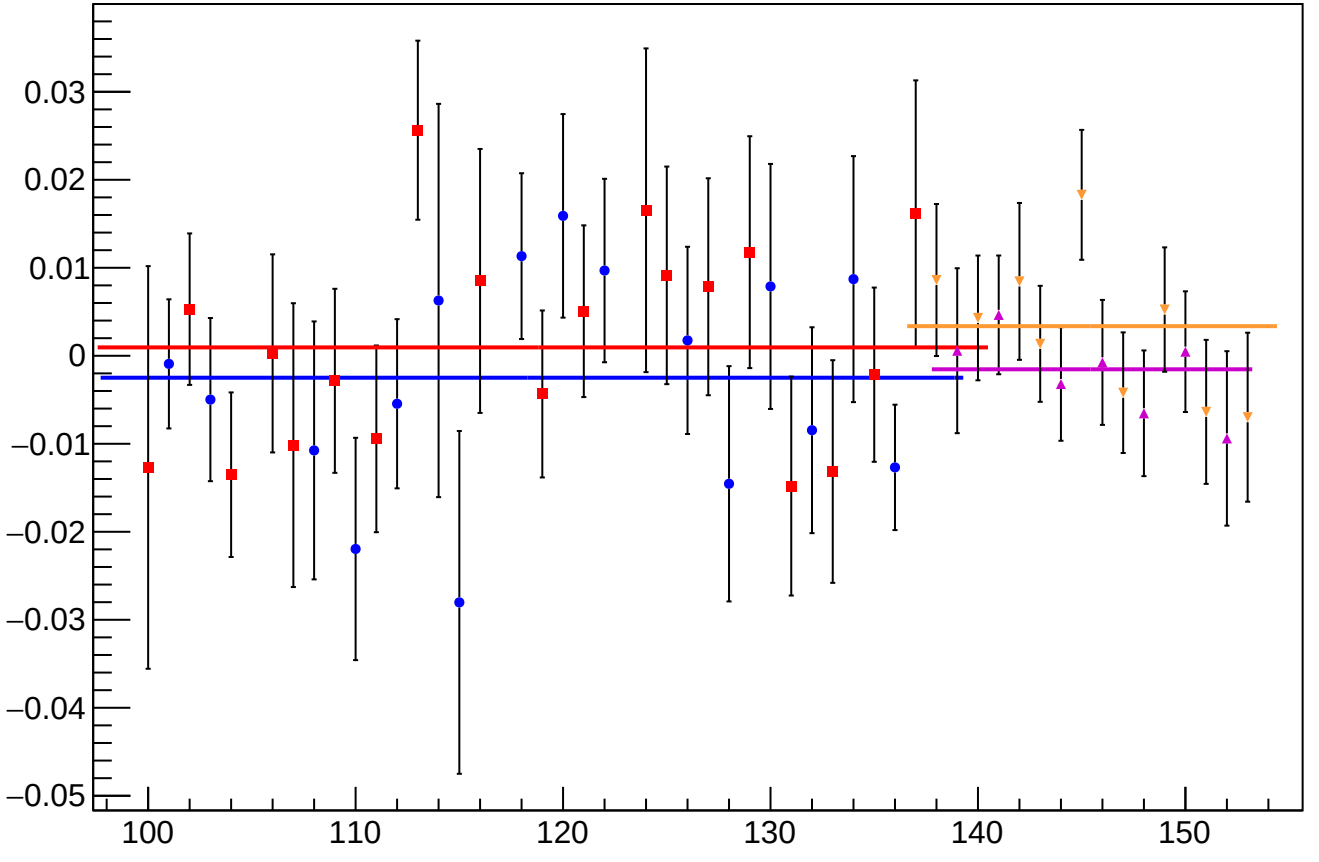
Left In: 827.713+/-0.239 χ^2/NDF:273332.1/6

+ sign 818.654+/-0.155 χ^2/NDF: 701642.3/24

All: 825.047+/-0.112 χ^2/NDF: 1298361.6/50

- sign 831.931+/-0.161 χ^2/NDF: 593203.0/25

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.003+/-0.003 χ^2/NDF:8.8/8

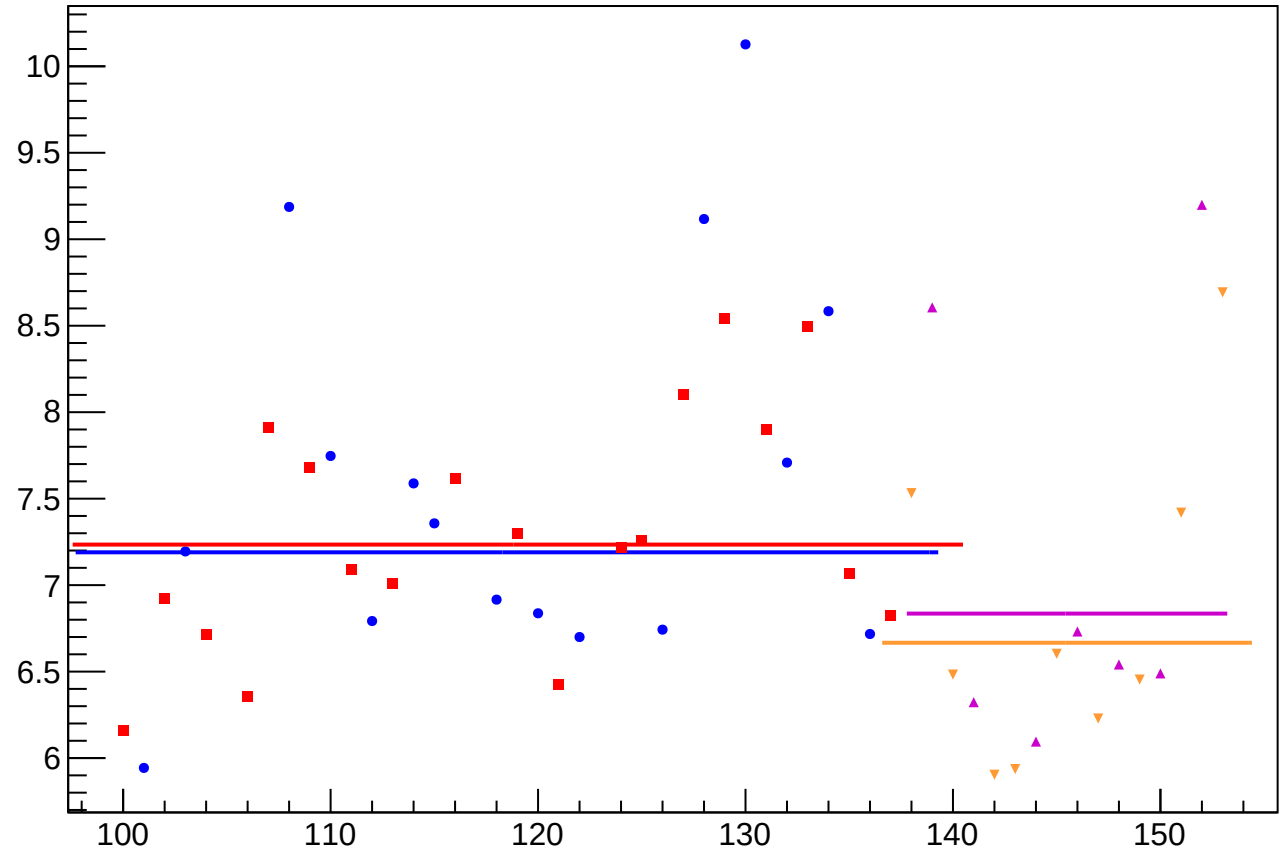
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.002+/-0.003 χ^2/NDF:2.2/6

+ sign 0.001+/-0.002 χ^2/NDF: 26.5/24

All: 0.000+/-0.001 χ^2/NDF: 46.5/50

- sign -0.000+/-0.002 χ^2/NDF: 19.9/25



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.667+/-0.002 χ^2/NDF:176717.7/8

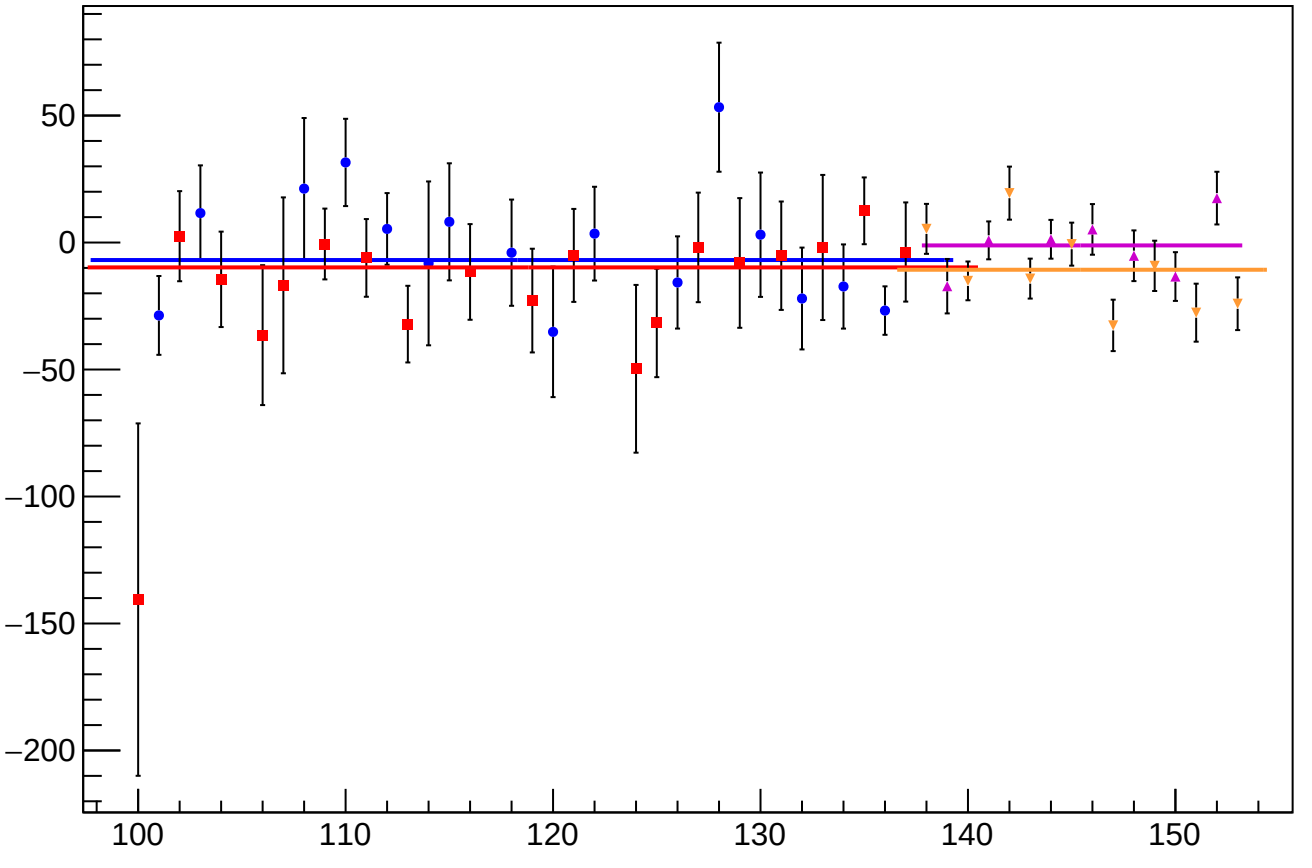
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.836+/-0.002 χ^2/NDF:231846.7/6

+ sign 6.912+/-0.001 χ^2/NDF: 493955.5/24

All: 6.976+/-0.001 χ^2/NDF: 858402.2/50

- sign 7.045+/-0.001 χ^2/NDF: 359517.1/25



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -10.715+/-3.106 χ^2/NDF:21.5/8

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

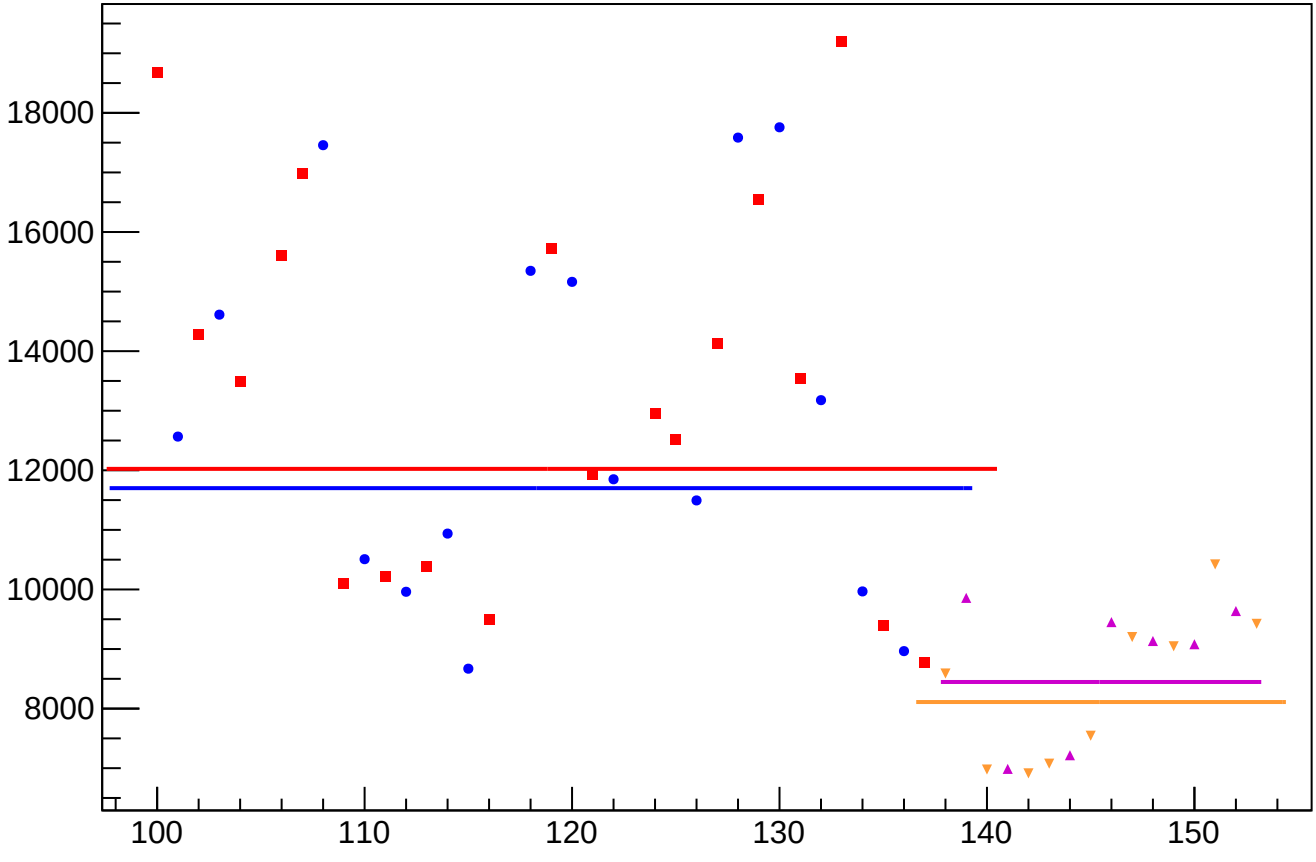
Left In: -1.135+/-3.449 χ^2/NDF:7.8/6

+ sign -9.477+/-2.554 χ^2/NDF: 45.0/24

All: -7.082+/-1.869 χ^2/NDF: 71.1/50

- sign -4.322+/-2.741 χ^2/NDF: 24.1/25

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8110.472+/-2.196 χ^2/NDF:273529.4/8

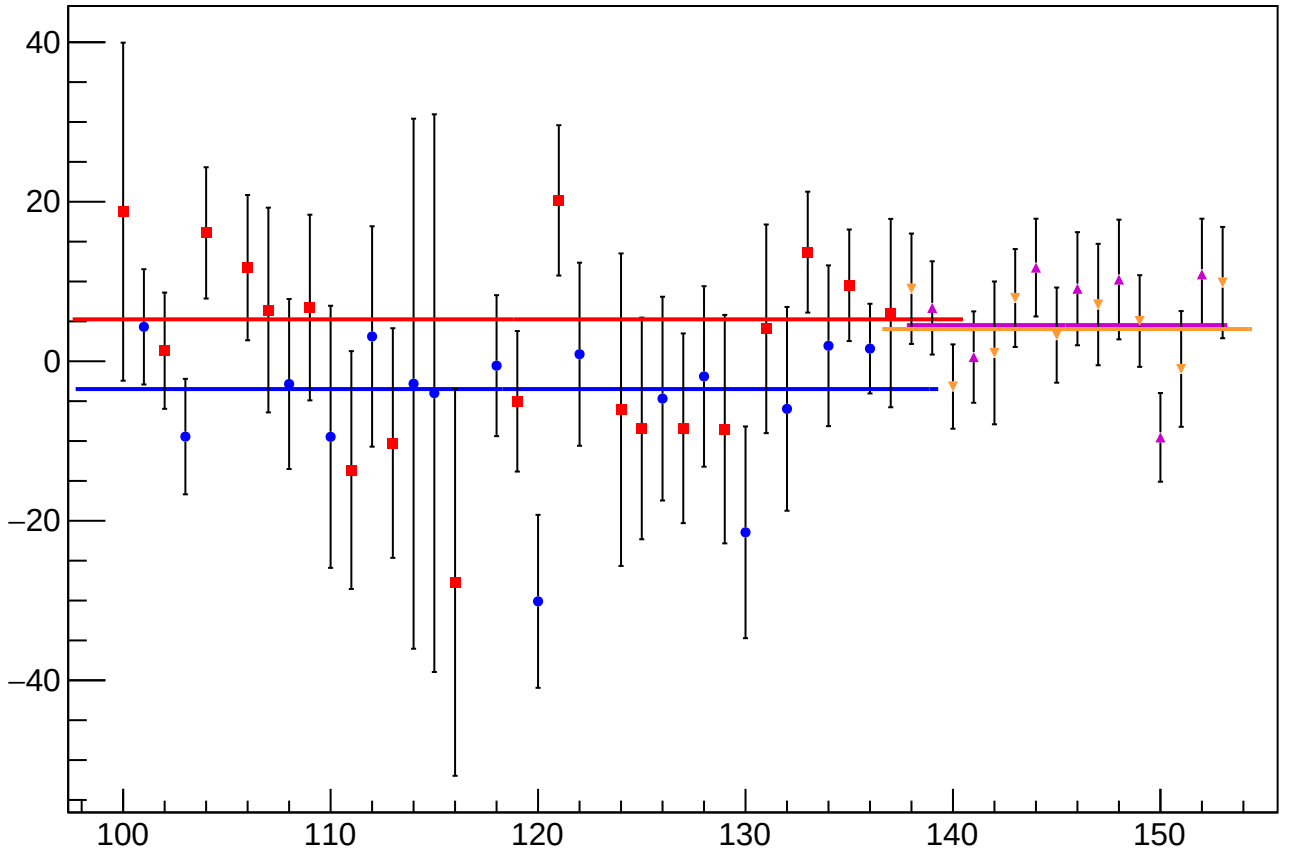
Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8446.860+/-2.439 χ^2/NDF:227838.2/6

+ sign 9272.802+/-1.806 χ^2/NDF: 1879055.3/24

All: 9501.209+/-1.321 χ^2/NDF: 3618447.5/50

- sign 9764.413+/-1.939 χ^2/NDF: 1704959.3/25



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.042+/-2.178 χ^2/NDF:4.3/8

Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

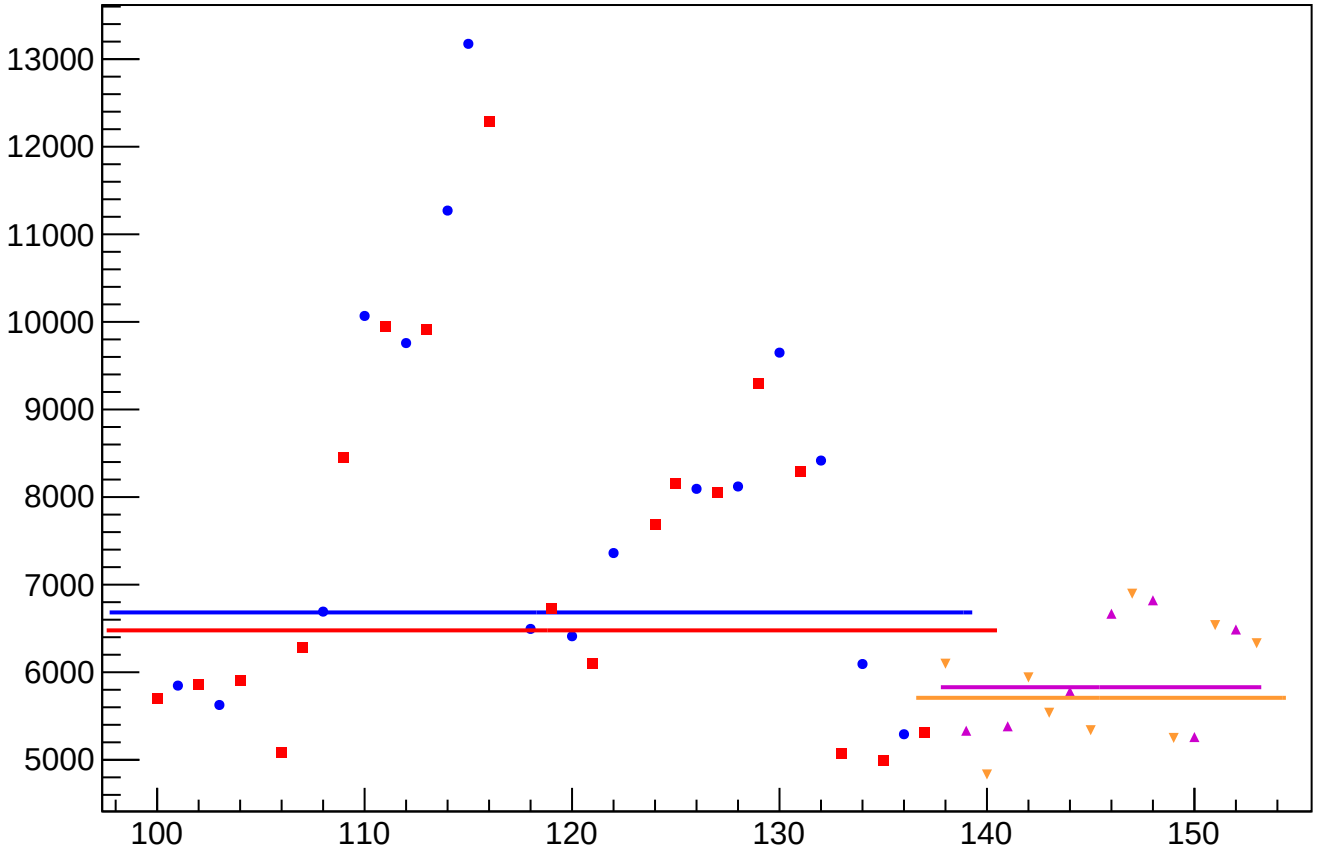
Left In: 4.537+/-2.378 χ^2/NDF:10.2/6

+ sign 0.867+/-1.656 χ^2/NDF: 20.8/24

All: 2.819+/-1.188 χ^2/NDF: 50.6/50

- sign 4.888+/-1.705 χ^2/NDF: 26.9/25

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5708.092+/-1.540 χ^2/NDF:175299.4/8

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

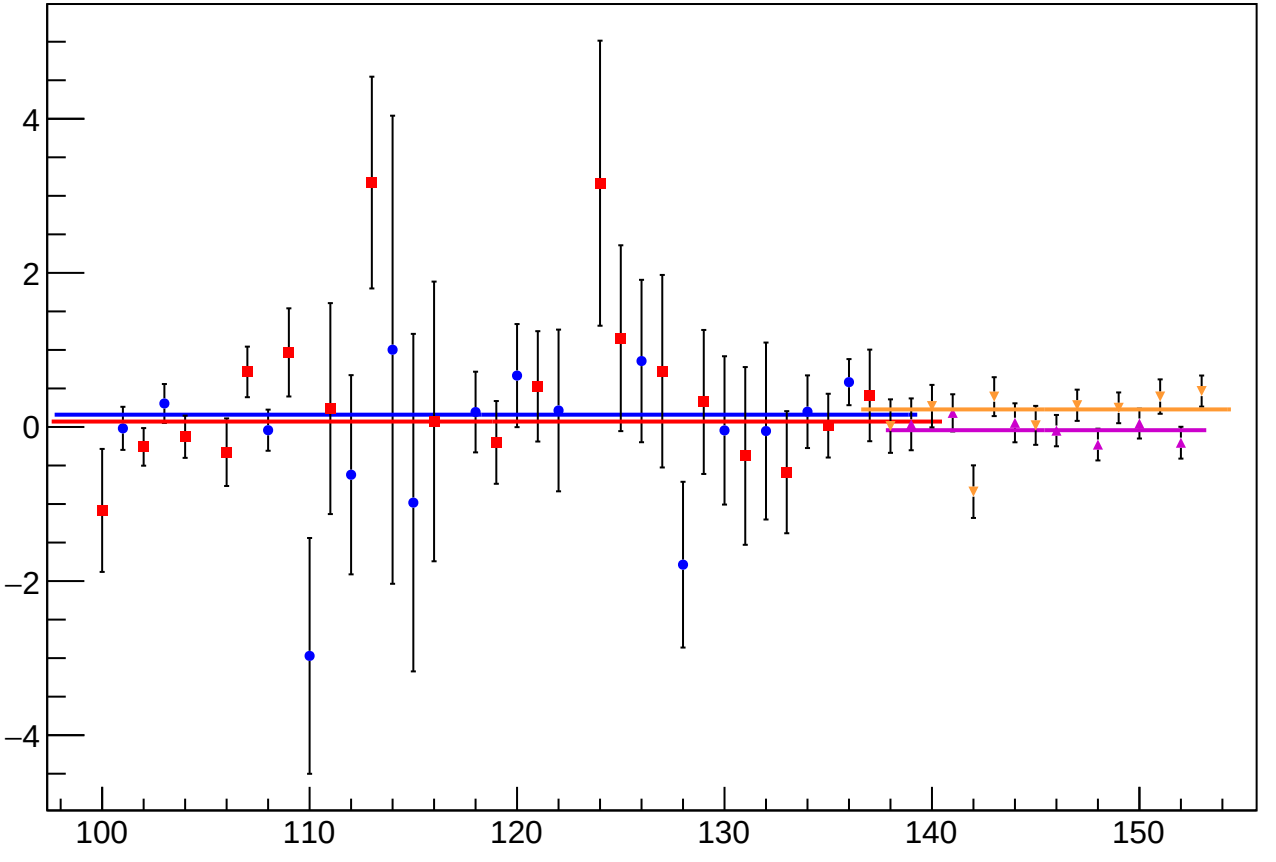
Left In: 5829.179+/-1.681 χ^2/NDF:128466.4/6

+ sign 6119.318+/-1.171 χ^2/NDF: 1036565.6/24

All: 6131.504+/-0.840 χ^2/NDF: 2076853.8/5

- sign 6144.423+/-1.206 χ^2/NDF: 1040065.1/25

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.228+/-0.080 χ^2/NDF:13.3/8

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

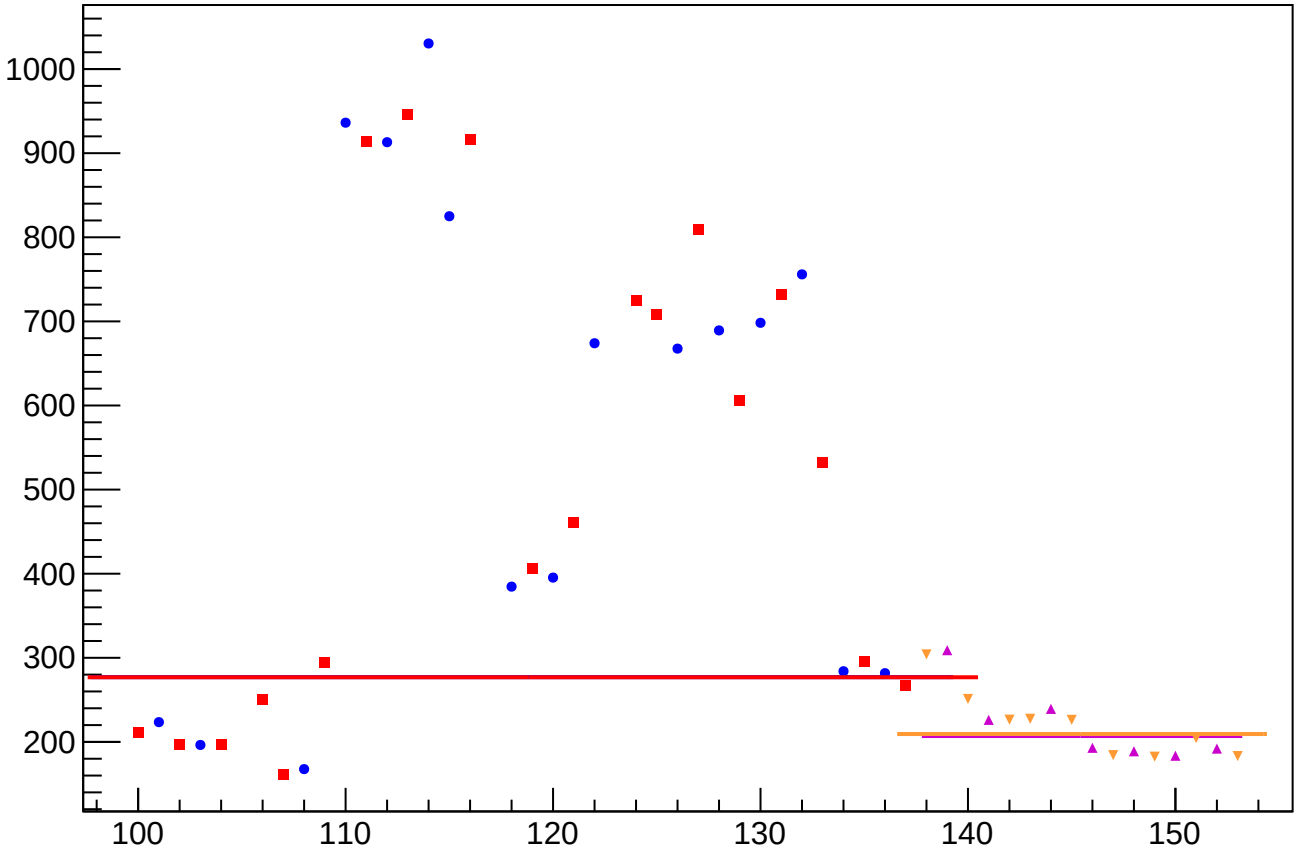
Left In: -0.042+/-0.085 χ^2/NDF:2.7/6

+ sign 0.207+/-0.067 χ^2/NDF: 26.1/24

All: 0.105+/-0.048 χ^2/NDF: 56.7/50

- sign -0.004+/-0.069 χ^2/NDF: 25.7/25

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 209.378+/-0.057 χ^2/NDF:320717.2/8

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

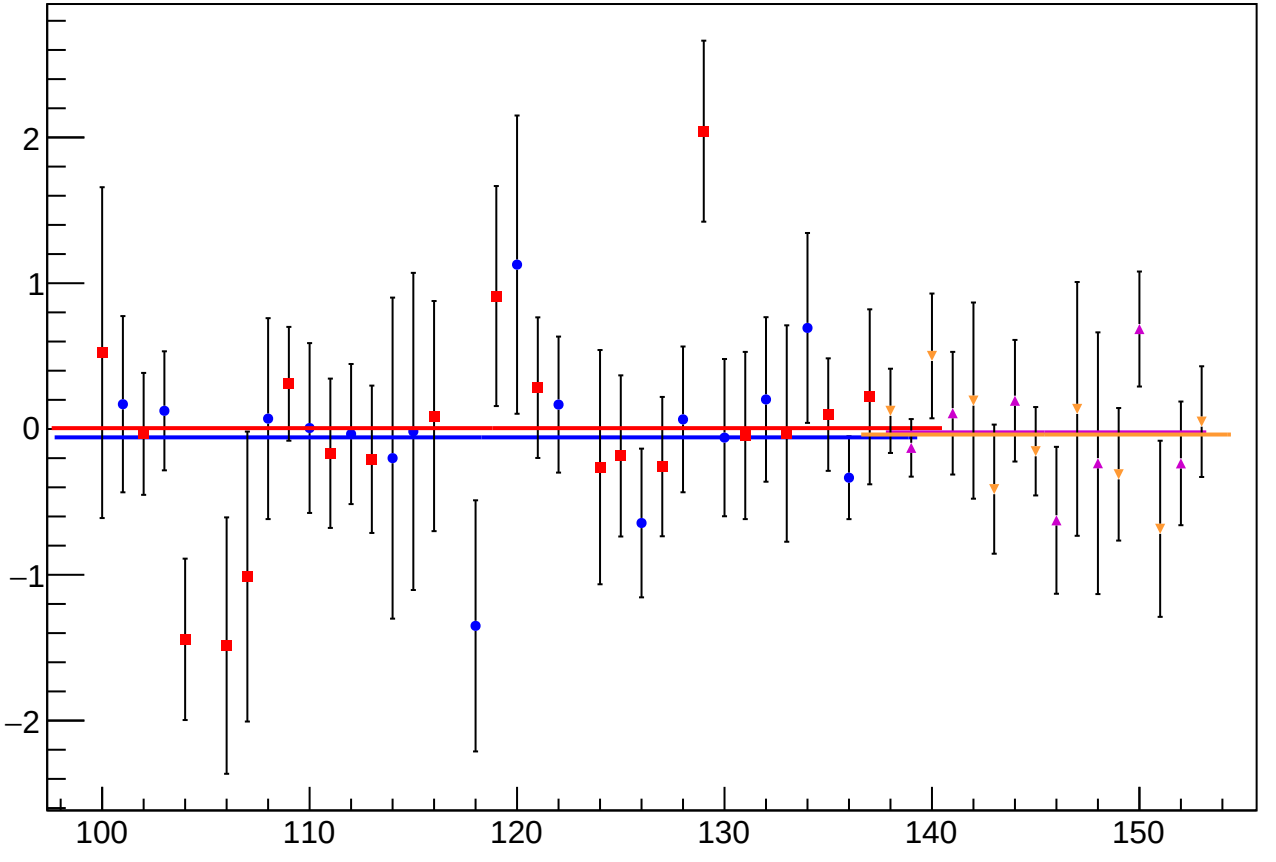
Left In: 206.993+/-0.060 χ^2/NDF:294030.6/6

+ sign 230.360+/-0.047 χ^2/NDF: 4212634.7/24

All: 230.335+/-0.034 χ^2/NDF: 8532384.7/50

- sign 230.308+/-0.049 χ^2/NDF: 4319749.4/25

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: -0.038+/-0.139 χ^2/NDF:4.5/8

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

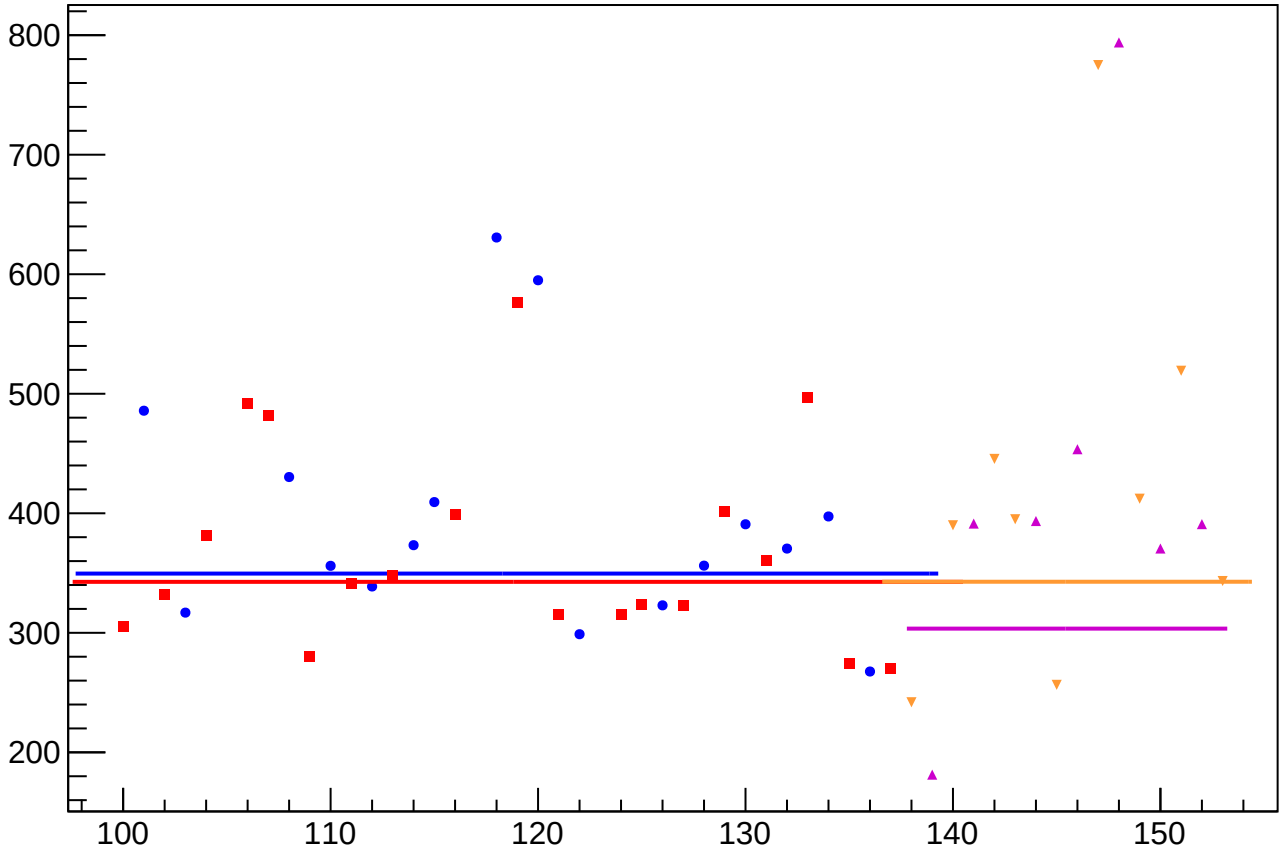
Left In: -0.023+/-0.136 χ^2/NDF:5.6/6

+ sign -0.048+/-0.097 χ^2/NDF: 12.6/24

All: -0.027+/-0.067 χ^2/NDF: 43.5/50

- sign -0.008+/-0.094 χ^2/NDF: 30.8/25

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 342.732+/-0.099 χ^2/NDF:1215049.4/8

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

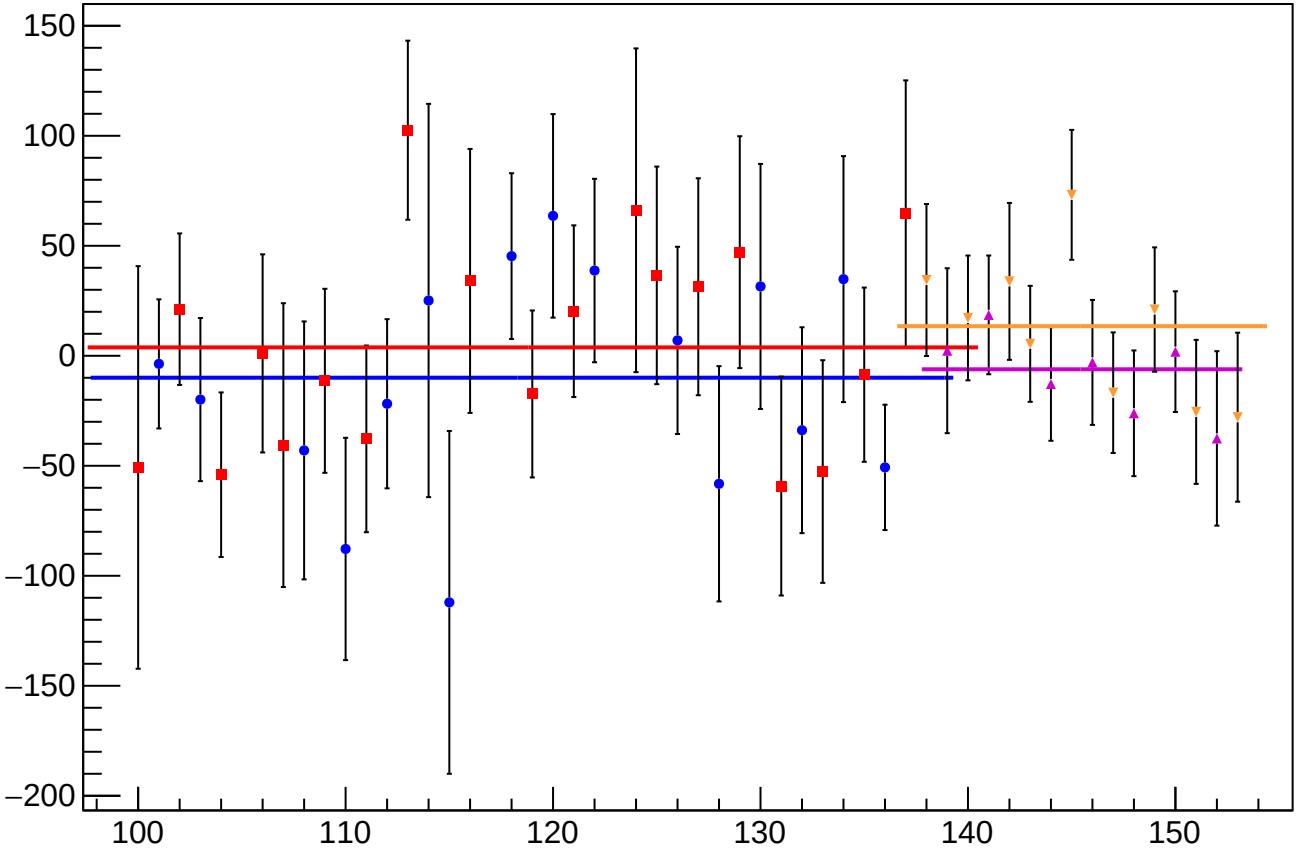
Left In: 303.509+/-0.096 χ^2/NDF:1862573.2/6

+ sign 346.286+/-0.068 χ^2/NDF: 1916850.7/24

All: 334.839+/-0.047 χ^2/NDF: 4497016.7/50

- sign 324.096+/-0.066 χ^2/NDF: 2525649.4/25

diff_bpmE_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 13.458+/-10.181 χ^2/NDF:8.8/8

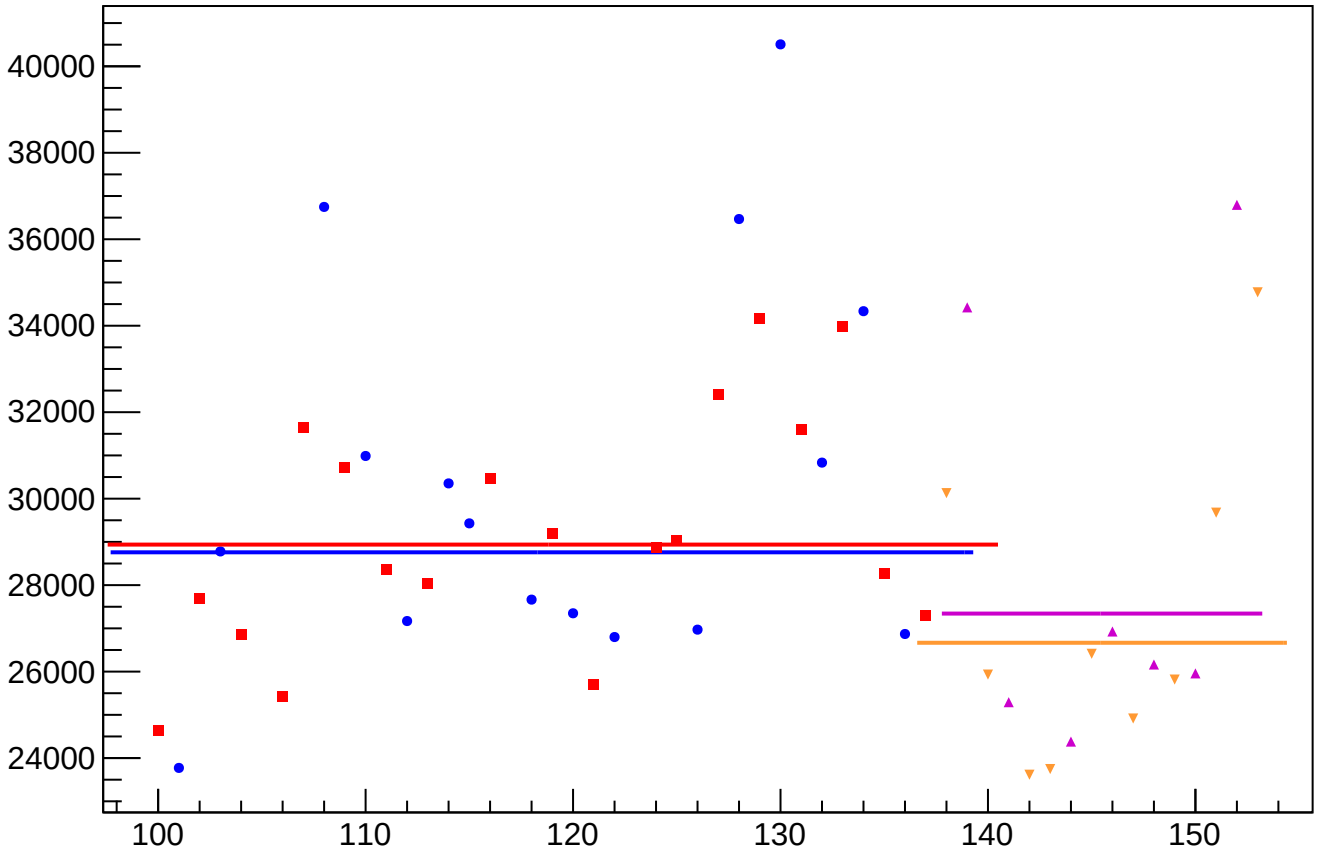
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -6.144+/-11.170 χ^2/NDF:2.2/6

+ sign 2.474+/-7.420 χ^2/NDF: 26.5/24

All: 0.840+/-5.344 χ^2/NDF: 46.5/50

- sign -0.922+/-7.703 χ^2/NDF: 19.9/25



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26666.901+/-7.199 χ^2/NDF:176717.7/8

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

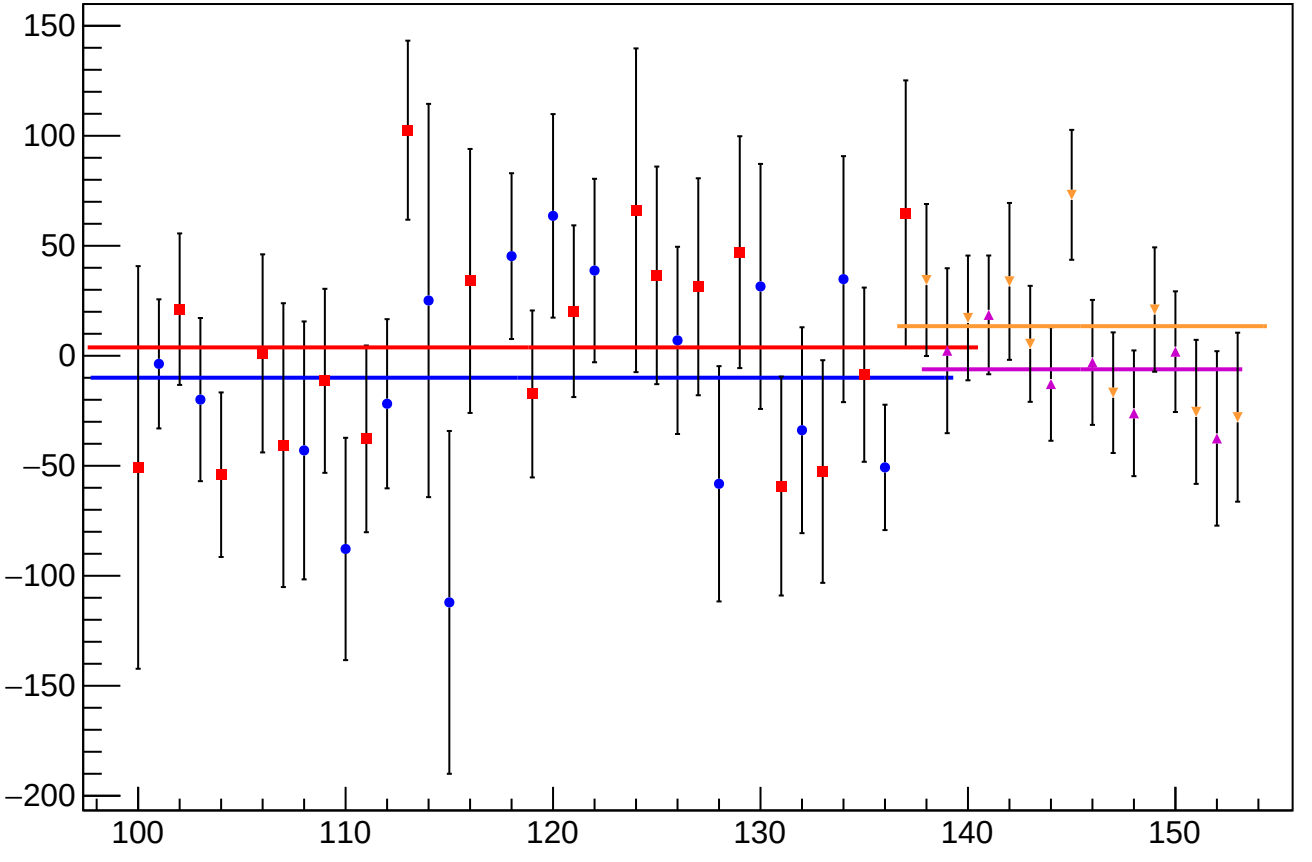
Left In: 27342.019+/-7.898 χ^2/NDF:231846.7/6

+ sign 27647.865+/-5.247 χ^2/NDF: 493955.5/24

All: 27903.435+/-3.779 χ^2/NDF: 858402.2/50

- sign 28178.846+/-5.447 χ^2/NDF: 359517.1/25

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 13.458+/-10.181 χ^2/NDF:8.8/8

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

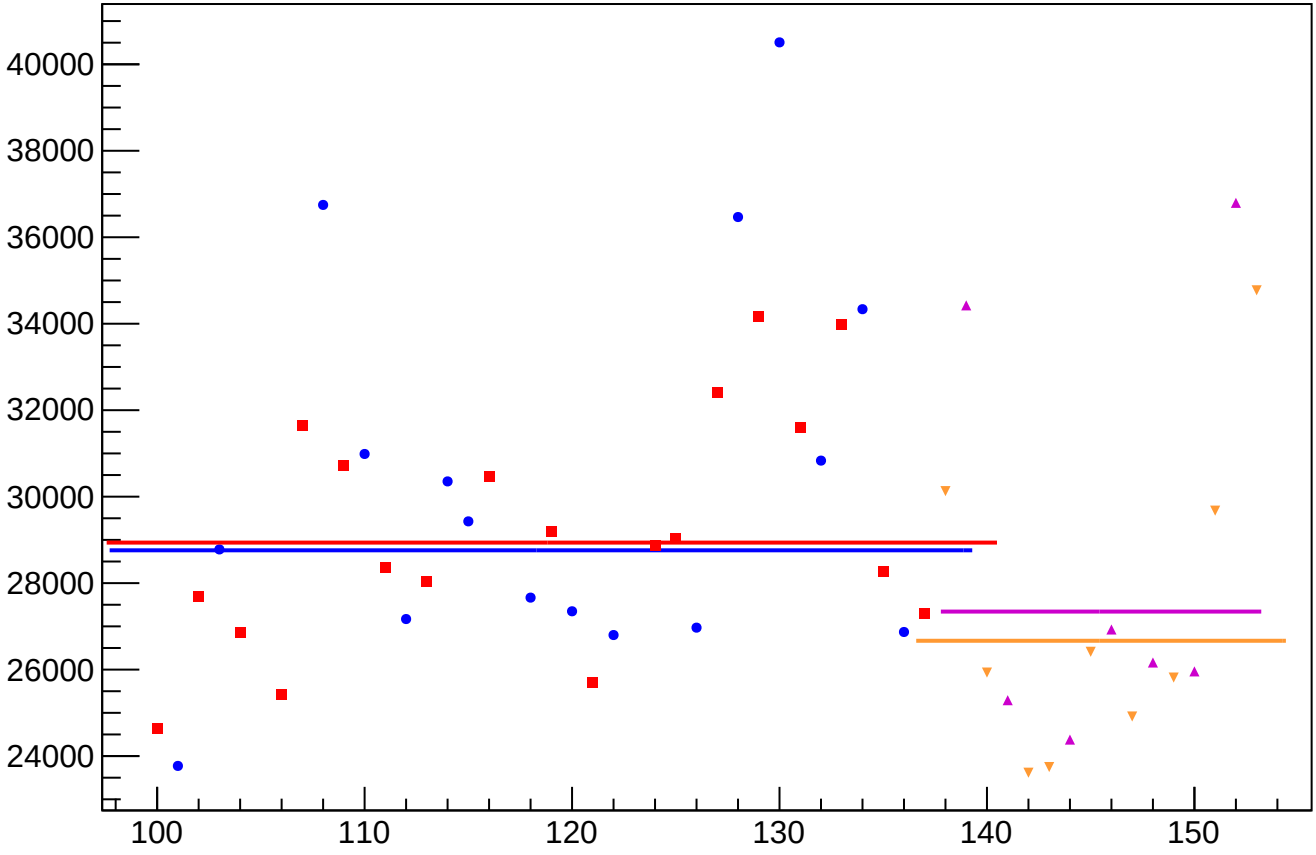
Left In: -6.144+/-11.170 χ^2/NDF:2.2/6

\+ sign 2.474+/-7.420 χ^2/NDF: 26.5/24

All: 0.840+/-5.344 χ^2/NDF: 46.5/50

\- sign -0.922+/-7.703 χ^2/NDF: 19.9/25

diff_bpmEX_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26666.901+/-7.199 χ^2/NDF:176717.7/8

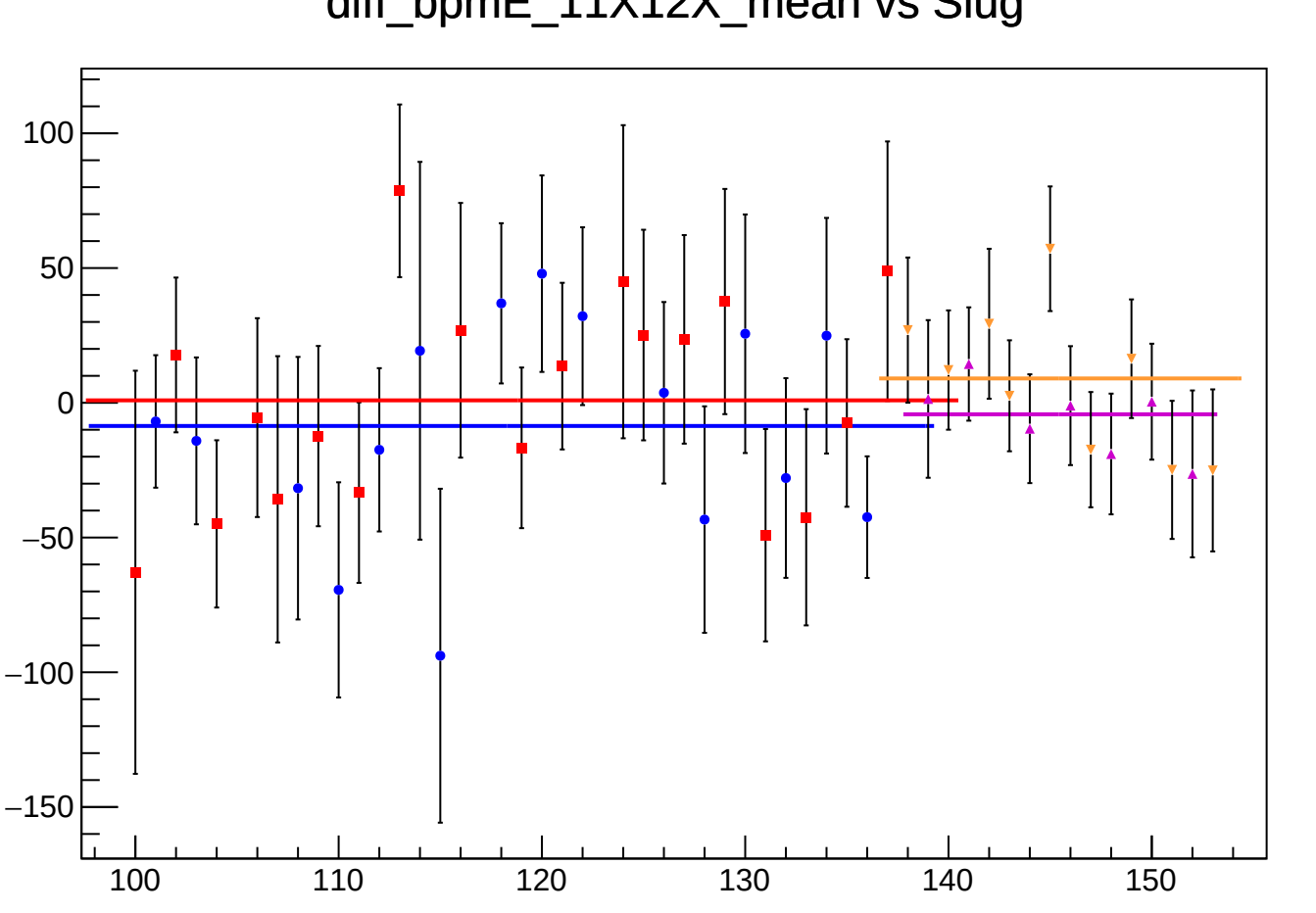
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 27342.019+/-7.898 χ^2/NDF:231846.7/6

+ sign 27647.865+/-5.247 χ^2/NDF: 493955.5/24

All: 27903.435+/-3.779 χ^2/NDF: 858402.2/50

- sign 28178.846+/-5.447 χ^2/NDF: 359517.1/25



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 9.034+/-7.951 χ^2/NDF:10.1/8

Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

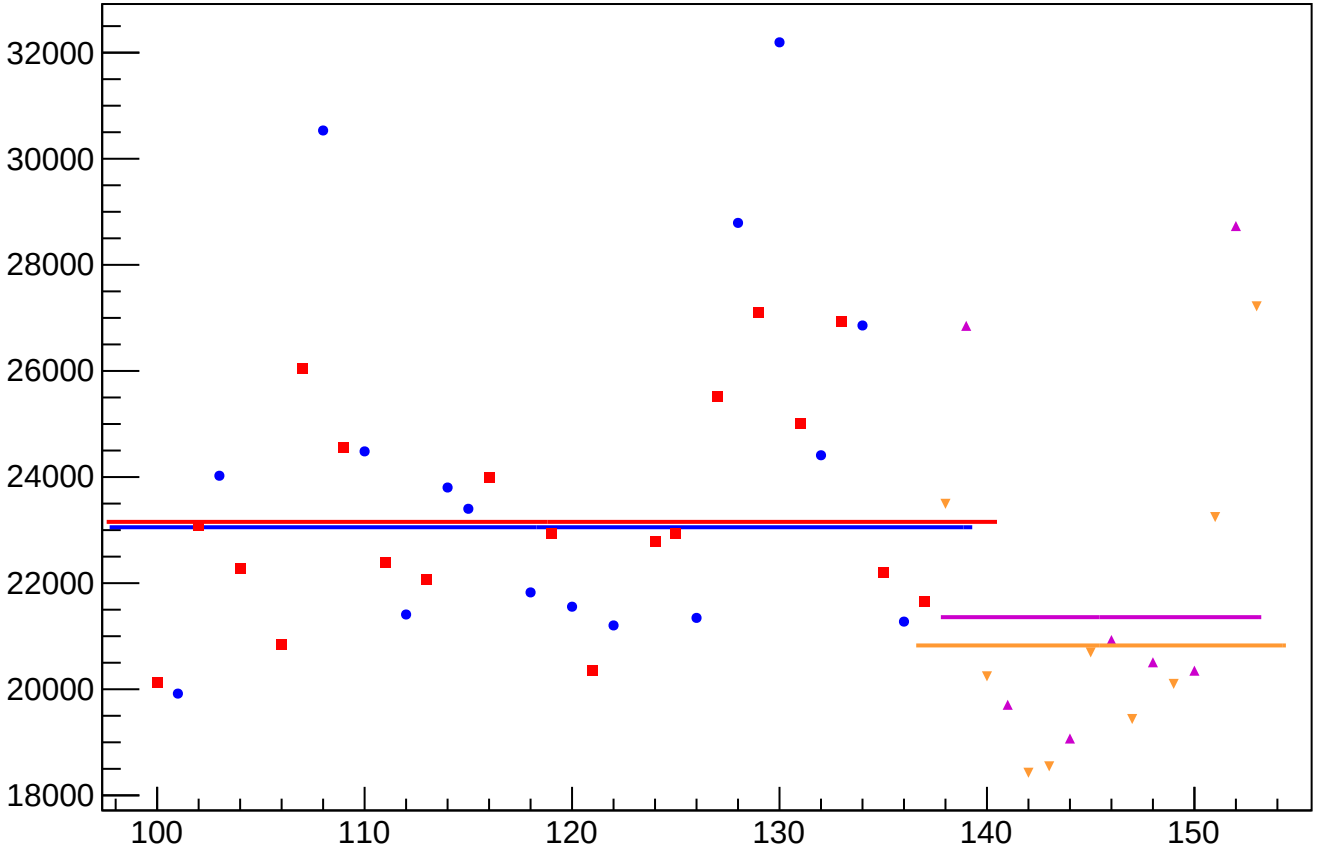
Left In: -4.268+/-8.725 χ^2/NDF:1.9/6

+ sign 0.987+/-5.862 χ^2/NDF: 27.9/24

All: -0.265+/-4.224 χ^2/NDF: 47.6/50

- sign -1.616+/-6.091 χ^2/NDF: 19.7/25

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 20825.869+/-5.622 χ^2/NDF:179303.2/8

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

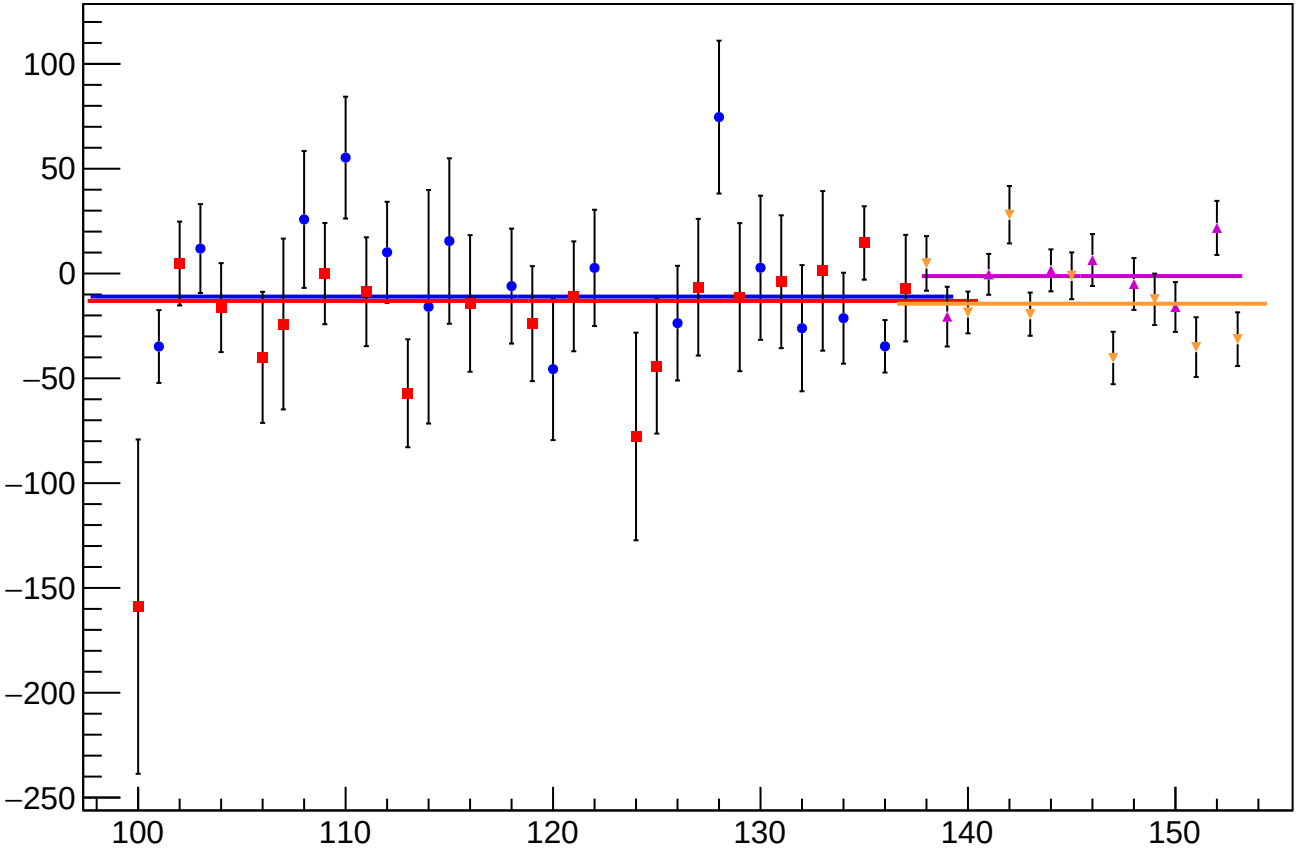
Left In: 21359.142+/-6.170 χ^2/NDF:229938.3/6

+ sign 21842.589+/-4.145 χ^2/NDF: 512416.9/24

All: 22052.974+/-2.987 χ^2/NDF: 885059.4/50

- sign 22280.053+/-4.307 χ^2/NDF: 367286.7/25

diff_bpm4aesumX_mean vs Slug



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -14.389+/-3.990 χ^2/NDF:21.8/8

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

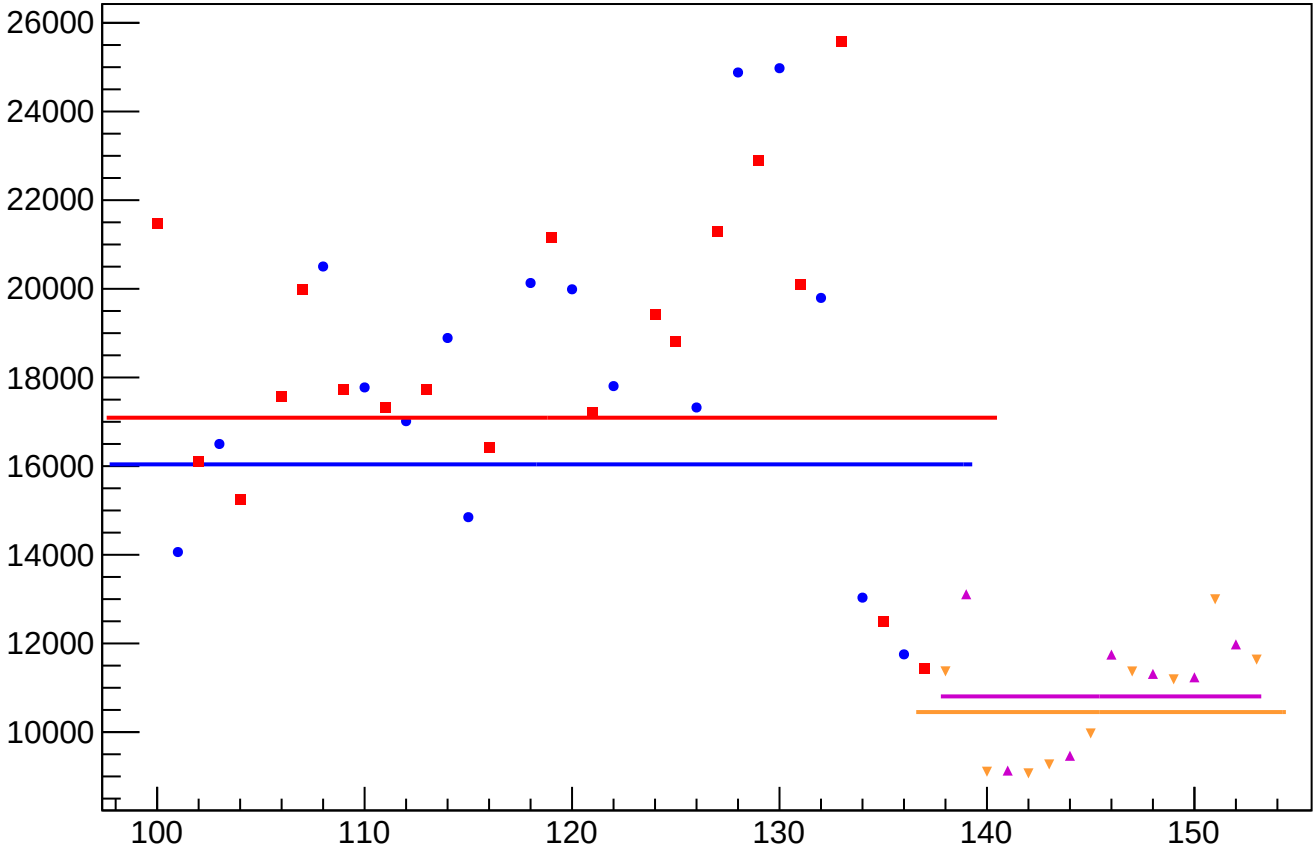
Left In: -1.229+/-4.404 χ^2/NDF:7.1/6

+ sign -13.387+/-3.348 χ^2/NDF: 44.0/24

All: -9.549+/-2.459 χ^2/NDF: 70.2/50

- sign -5.049+/-3.625 χ^2/NDF: 23.3/25

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10452.346+/-2.821 χ^2/NDF:195630.0/8

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

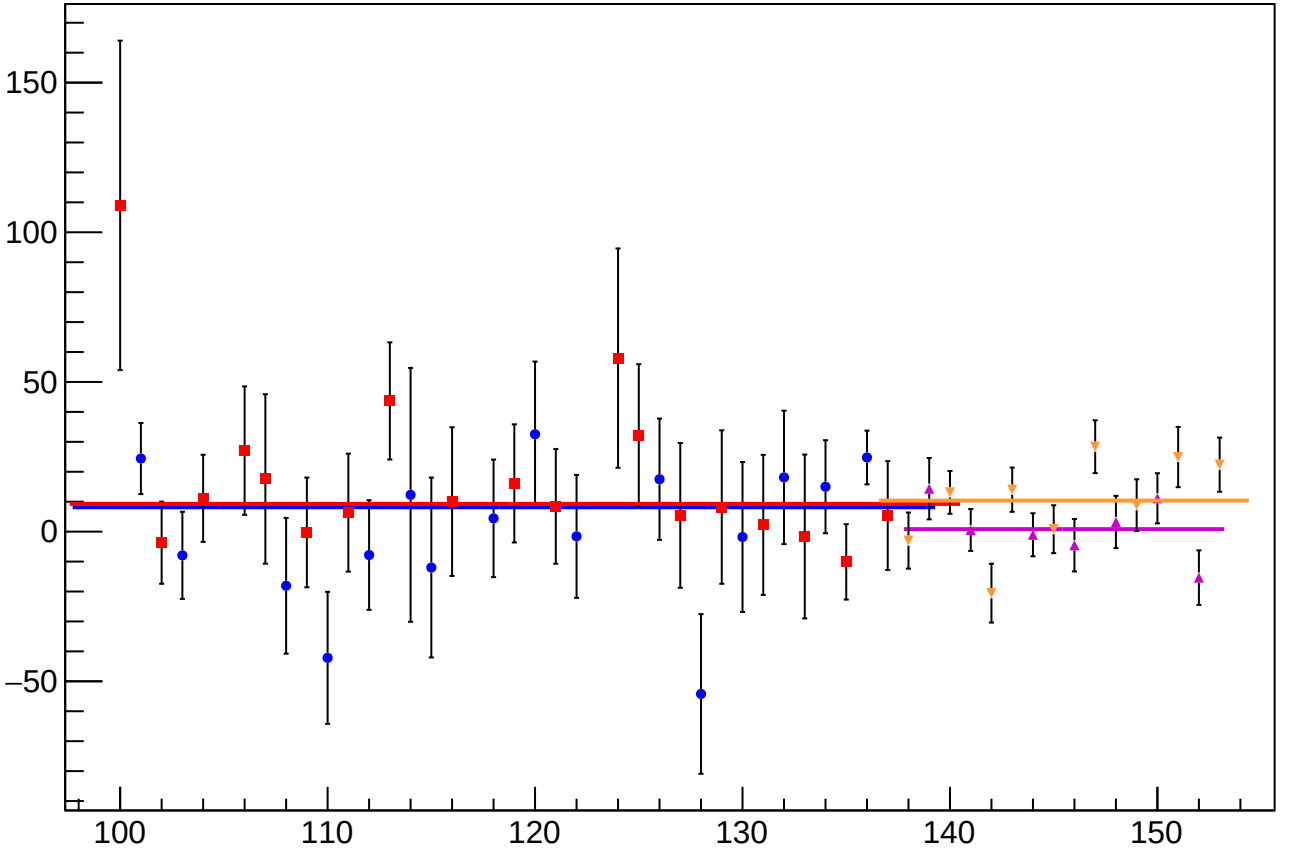
Left In: 10805.481+/-3.114 χ^2/NDF:181021.2/6

+ sign 12105.718+/-2.367 χ^2/NDF: 2078937.2/24

All: 12440.918+/-1.739 χ^2/NDF: 4153812.1/5

- sign 12833.849+/-2.563 χ^2/NDF: 2031327.3/25

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 10.374+/-2.845 χ^2/NDF:21.8/8

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

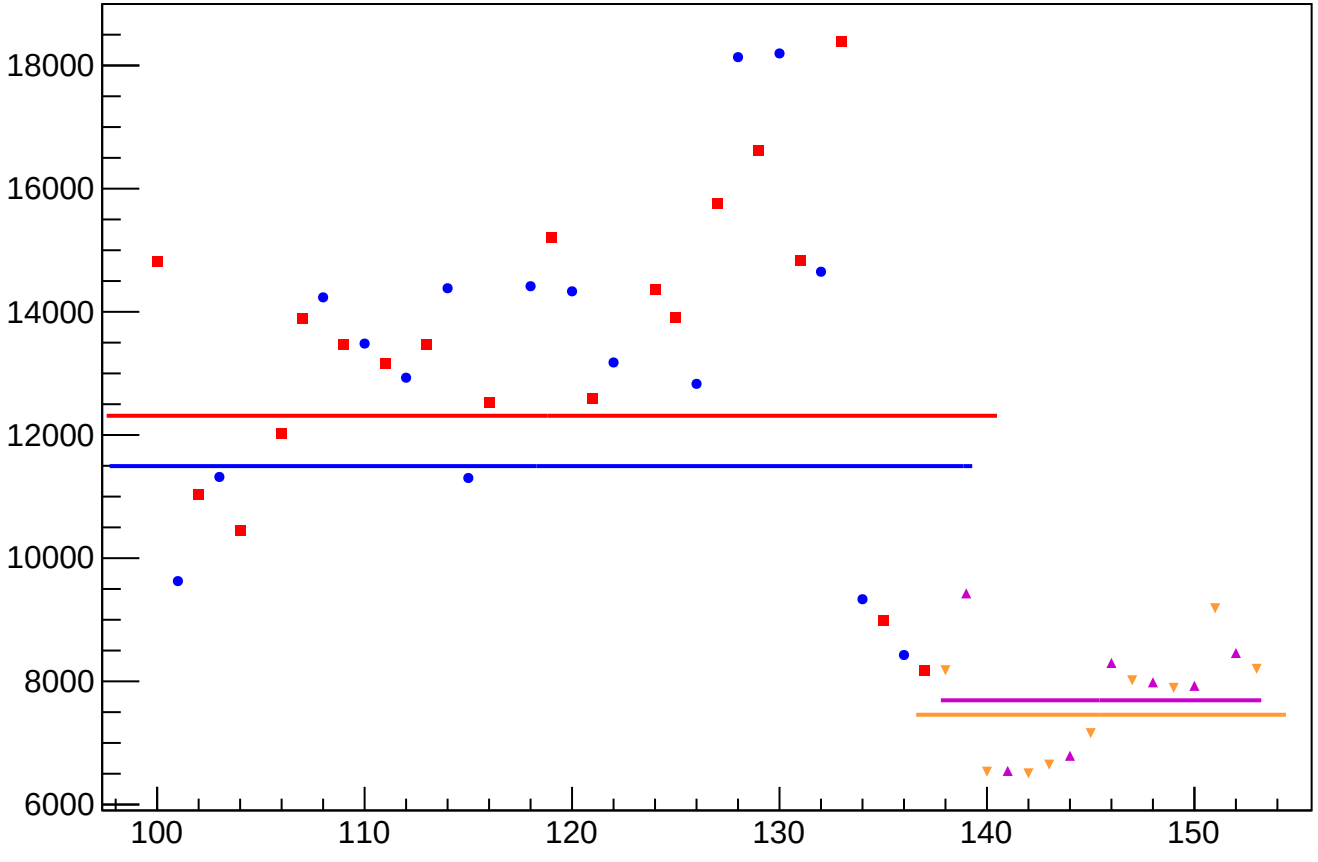
Left In: 0.827+/-3.134 χ^2/NDF:6.9/6

+ sign 9.723+/-2.392 χ^2/NDF: 43.8/24

All: 6.859+/-1.758 χ^2/NDF: 70.0/50

- sign 3.498+/-2.591 χ^2/NDF: 23.1/25

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7457.667+/-2.011 χ^2/NDF:176659.7/8

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

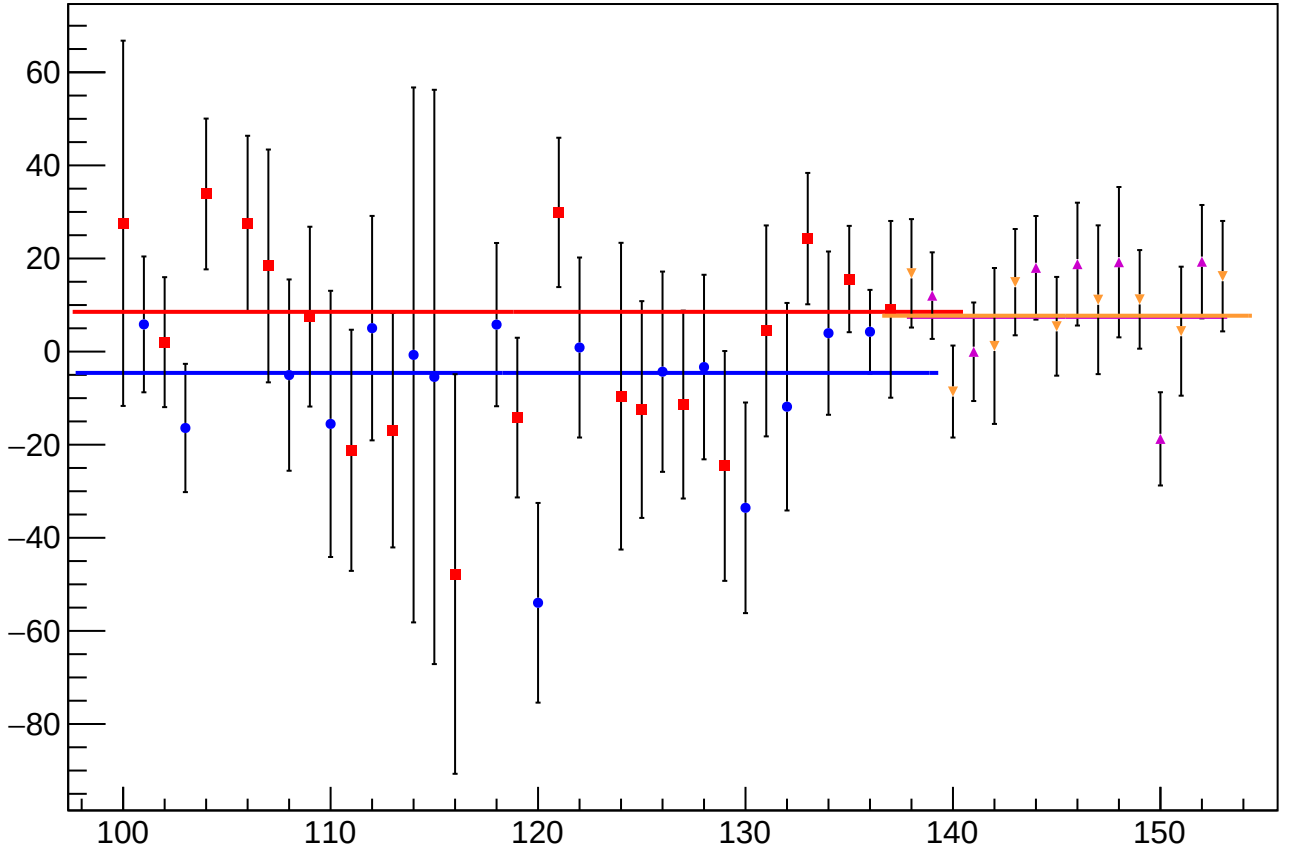
Left In: 7692.208+/-2.216 χ^2/NDF:170257.0/6

+ sign 8639.055+/-1.692 χ^2/NDF: 2145519.9/24

All: 8875.947+/-1.243 χ^2/NDF: 4332267.1/50

- sign 9153.844+/-1.832 χ^2/NDF: 2144137.5/25

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 7.707+/-3.988 χ^2/NDF:4.7/8

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

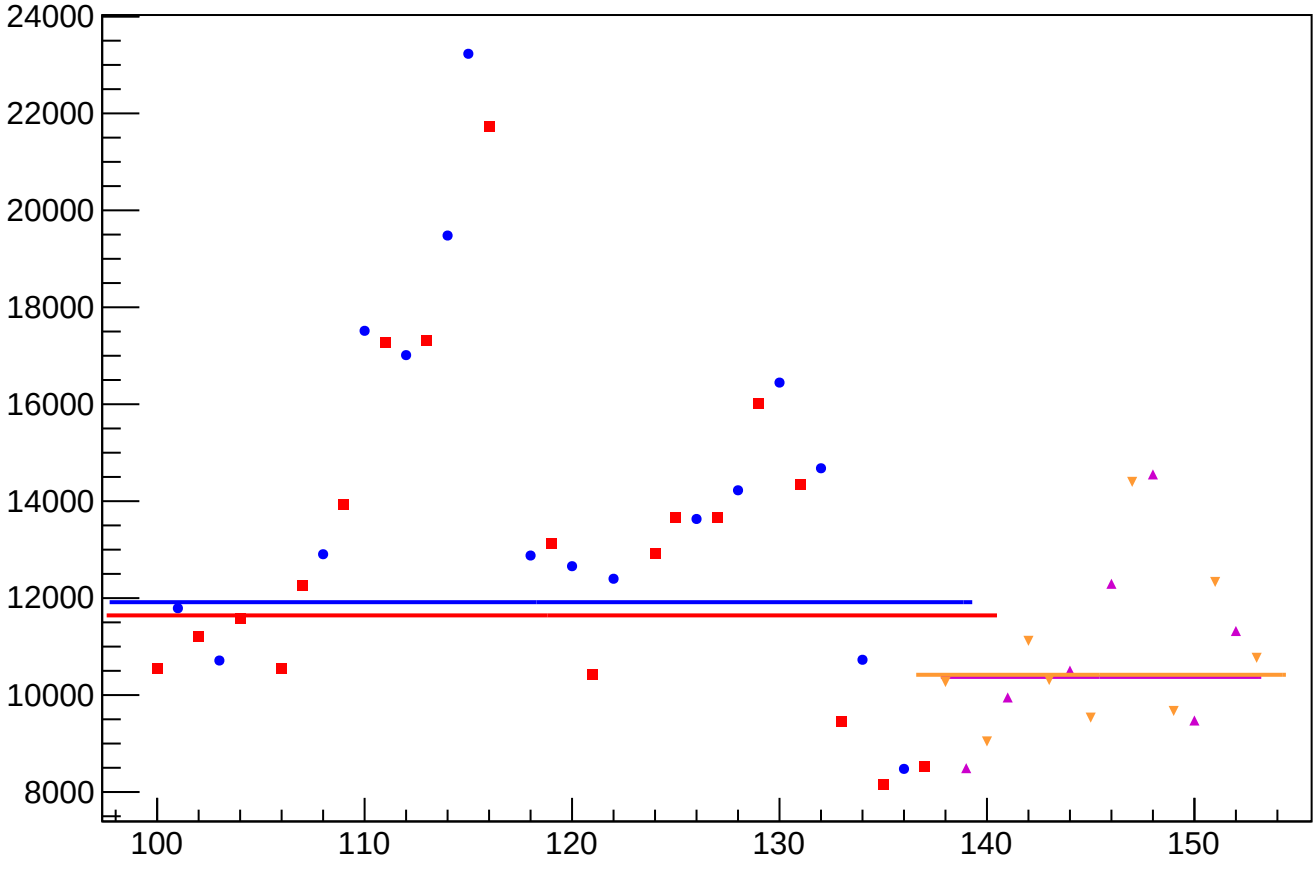
Left In: 7.455+/-4.270 χ^2/NDF:10.7/6

+ sign 2.375+/-3.000 χ^2/NDF: 19.0/24

All: 5.121+/-2.143 χ^2/NDF: 48.6/50

- sign 7.981+/-3.062 χ^2/NDF: 27.9/25

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10418.590+/-2.820 χ^2/NDF:230548.1/8

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

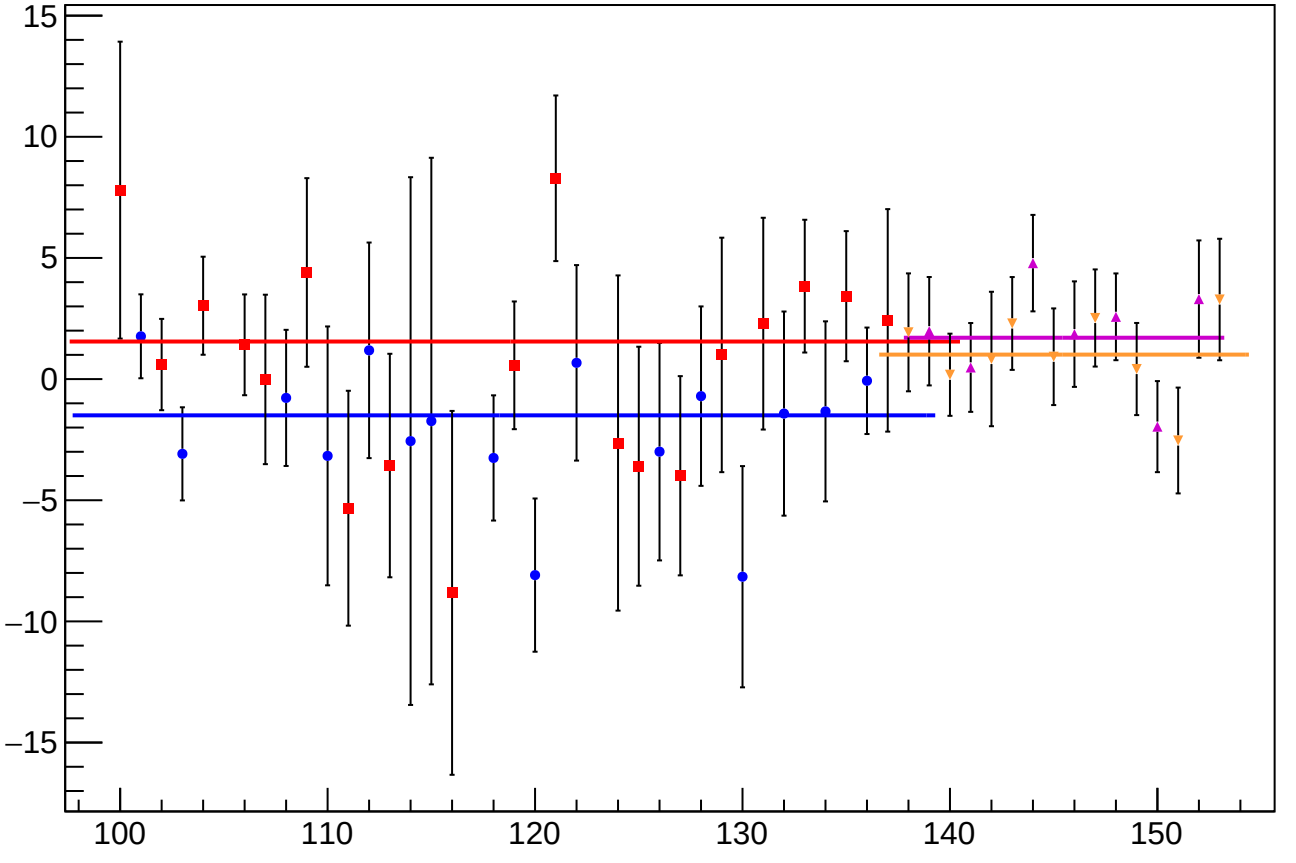
Left In: 10374.625+/-3.019 χ^2/NDF:289867.7/6

+ sign 11068.620+/-2.121 χ^2/NDF: 1102767.3/24

All: 11030.690+/-1.515 χ^2/NDF: 2269478.1/5

- sign 10991.189+/-2.165 χ^2/NDF: 1166058.2/25

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.011+/-0.696 χ^2/NDF:5.0/8

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

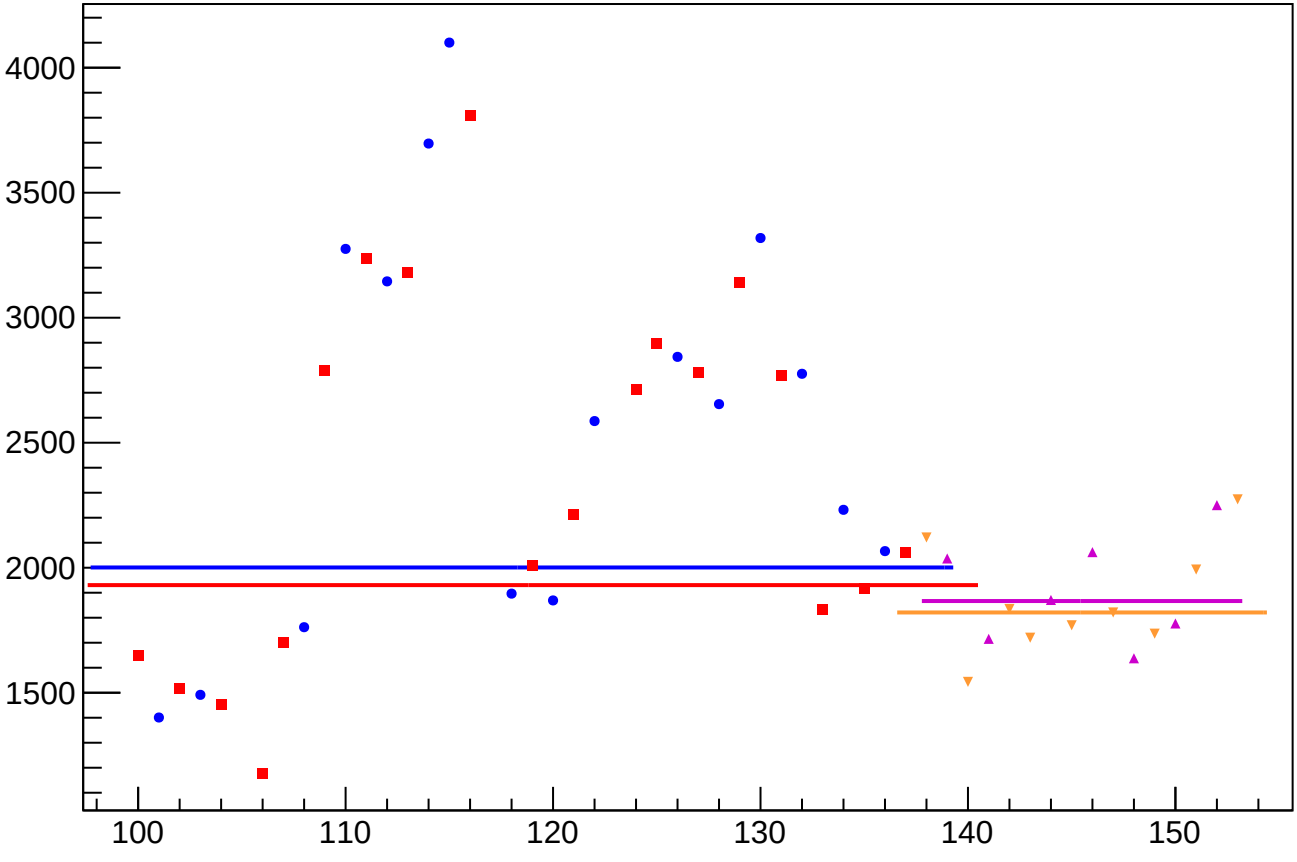
Left In: 1.707+/-0.761 χ^2/NDF:7.3/6

+ sign -0.103+/-0.519 χ^2/NDF: 23.3/24

All: 0.740+/-0.371 χ^2/NDF: 52.4/50

- sign 1.627+/-0.532 χ^2/NDF: 23.6/25

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1821.041+/-0.492 χ^2/NDF:172432.7/8

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

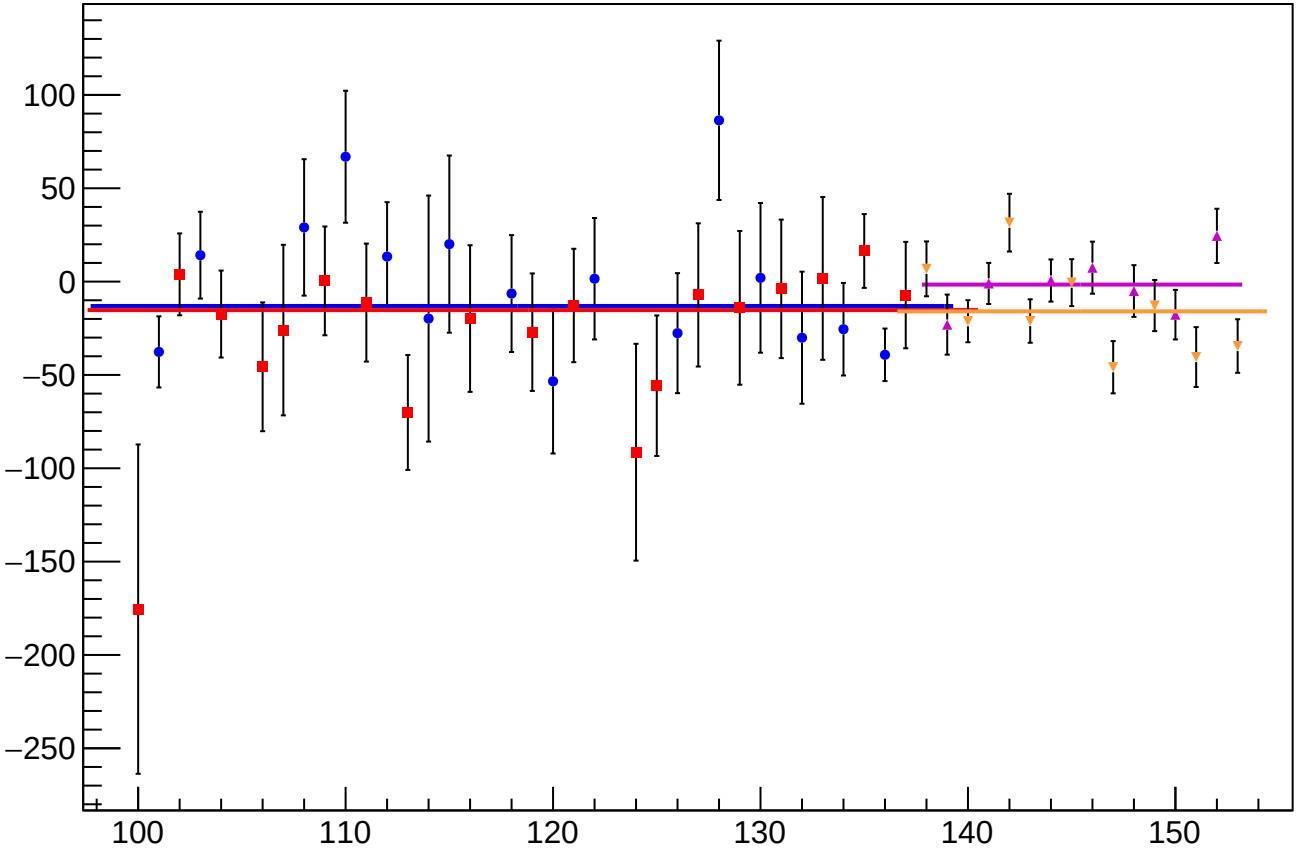
Left In: 1866.743+/-0.538 χ^2/NDF:128813.8/6

+ sign 1901.005+/-0.367 χ^2/NDF: 1421639.2/24

All: 1900.169+/-0.263 χ^2/NDF: 2961173.4/50

- sign 1899.289+/-0.376 χ^2/NDF: 1539523.6/25

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -15.940+/-4.491 χ^2/NDF:22.4/8

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

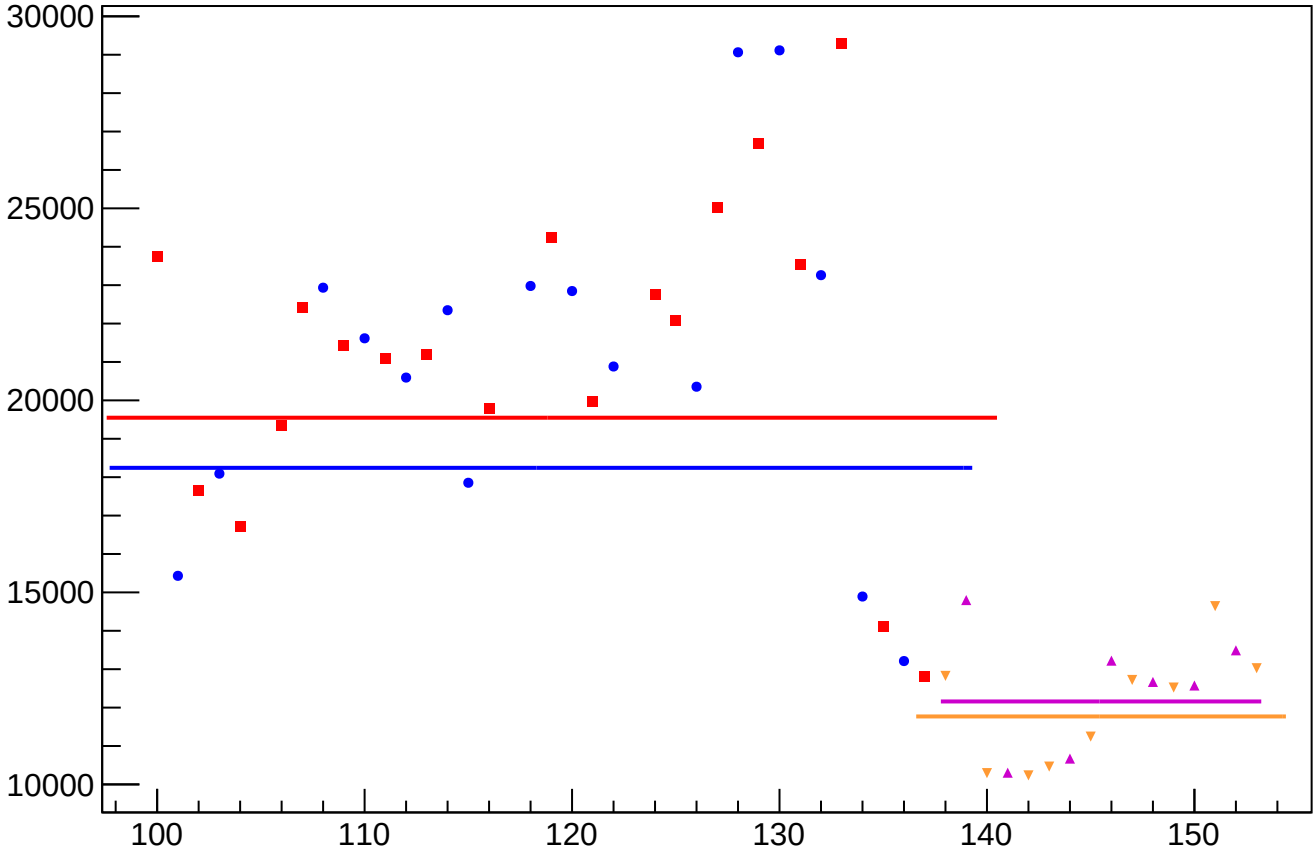
Left In: -1.590+/-4.956 χ^2/NDF:7.0/6

+ sign -15.107+/-3.784 χ^2/NDF: 44.4/24

All: -10.869+/-2.782 χ^2/NDF: 70.8/50

- sign -5.884+/-4.104 χ^2/NDF: 23.7/25

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11769.555+/-3.176 χ^2/NDF:187692.2/8

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

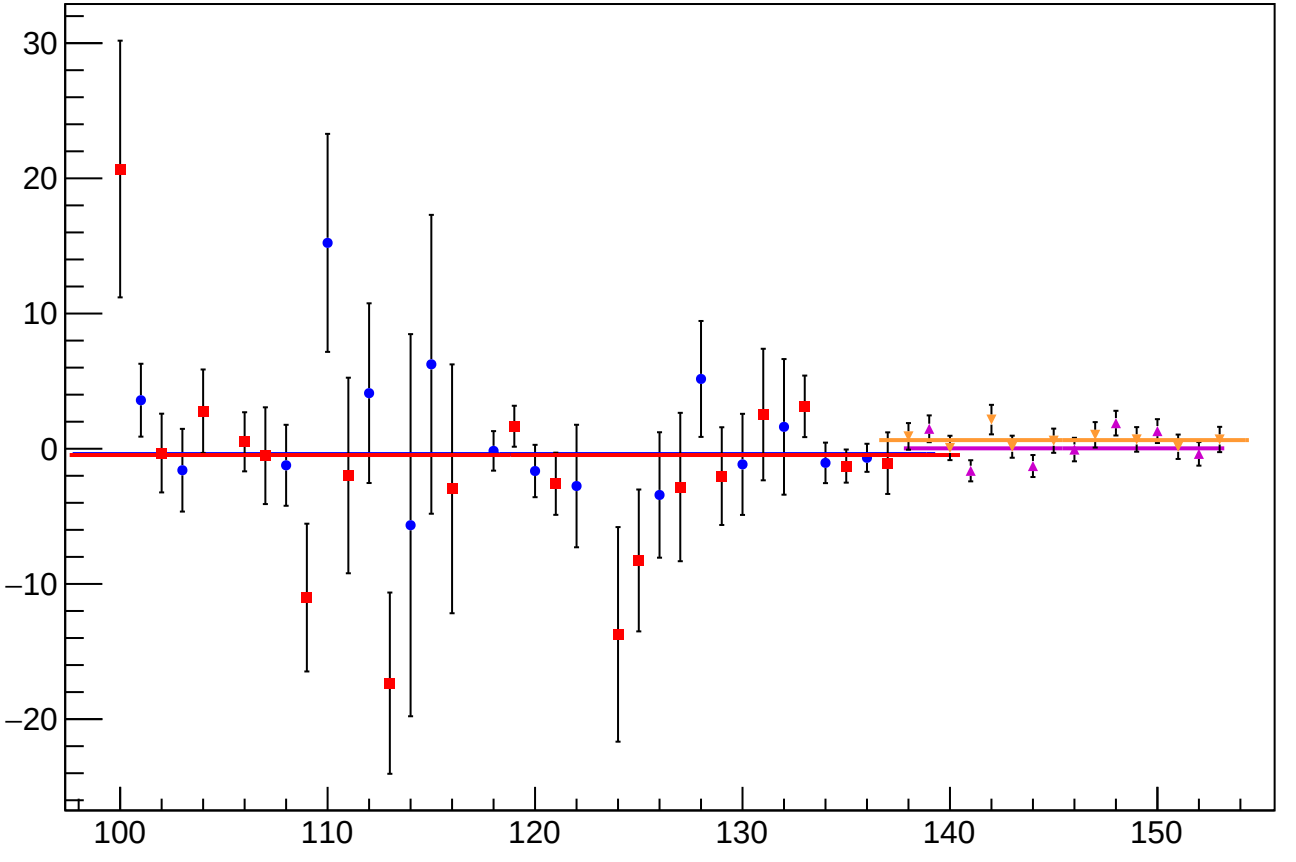
Left In: 12160.003+/-3.505 χ^2/NDF:178403.0/6

+ sign 13647.419+/-2.676 χ^2/NDF: 2212827.3/24

All: 14030.983+/-1.967 χ^2/NDF: 4454577.8/5

- sign 14482.114+/-2.902 χ^2/NDF: 2197038.3/25

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.639+/-0.308 χ^2/NDF:3.3/8

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

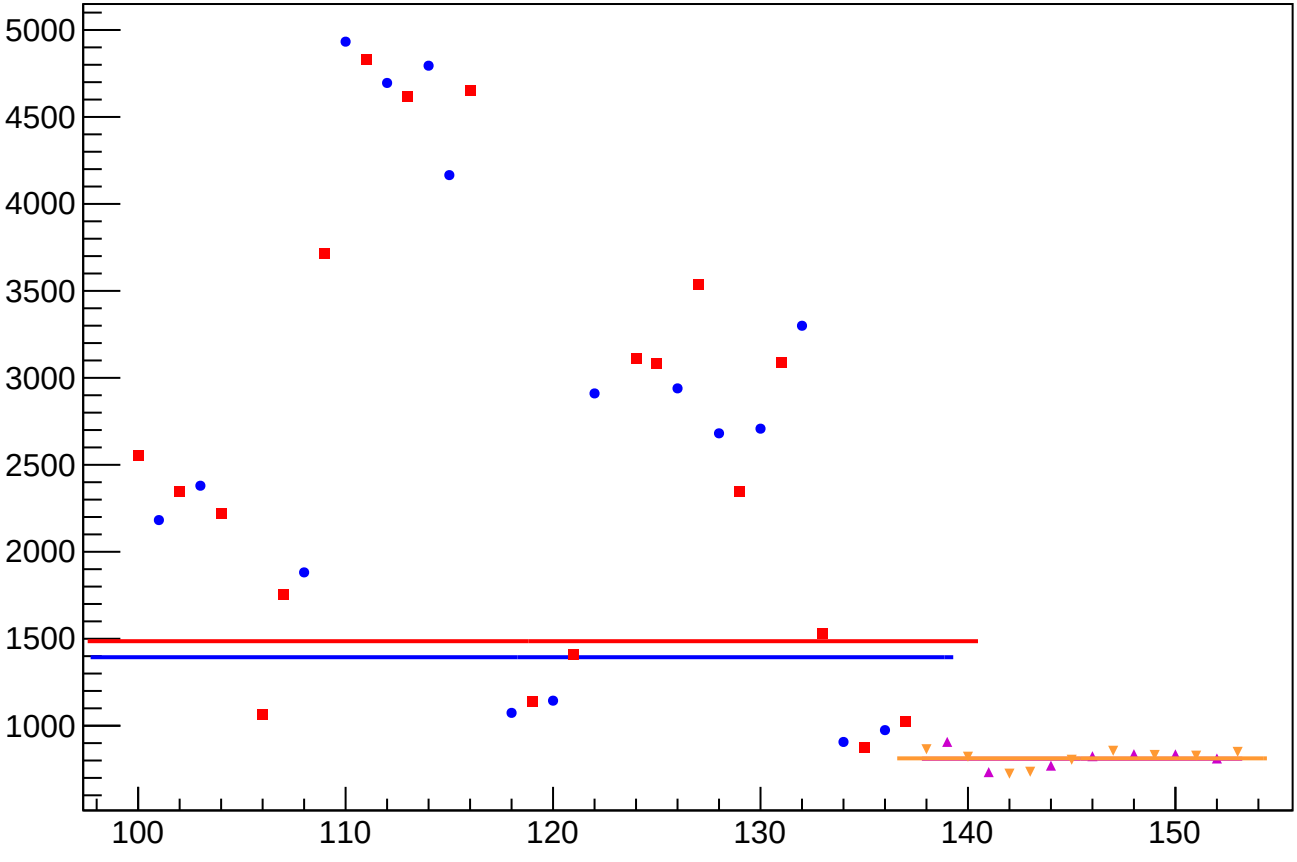
Left In: 0.029+/-0.328 χ^2/NDF:15.7/6

+ sign 0.424+/-0.274 χ^2/NDF: 16.0/24

All: 0.190+/-0.200 χ^2/NDF: 61.8/50

- sign -0.075+/-0.291 χ^2/NDF: 44.3/25

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 812.397+/-0.218 χ^2/NDF:45757.1/8

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

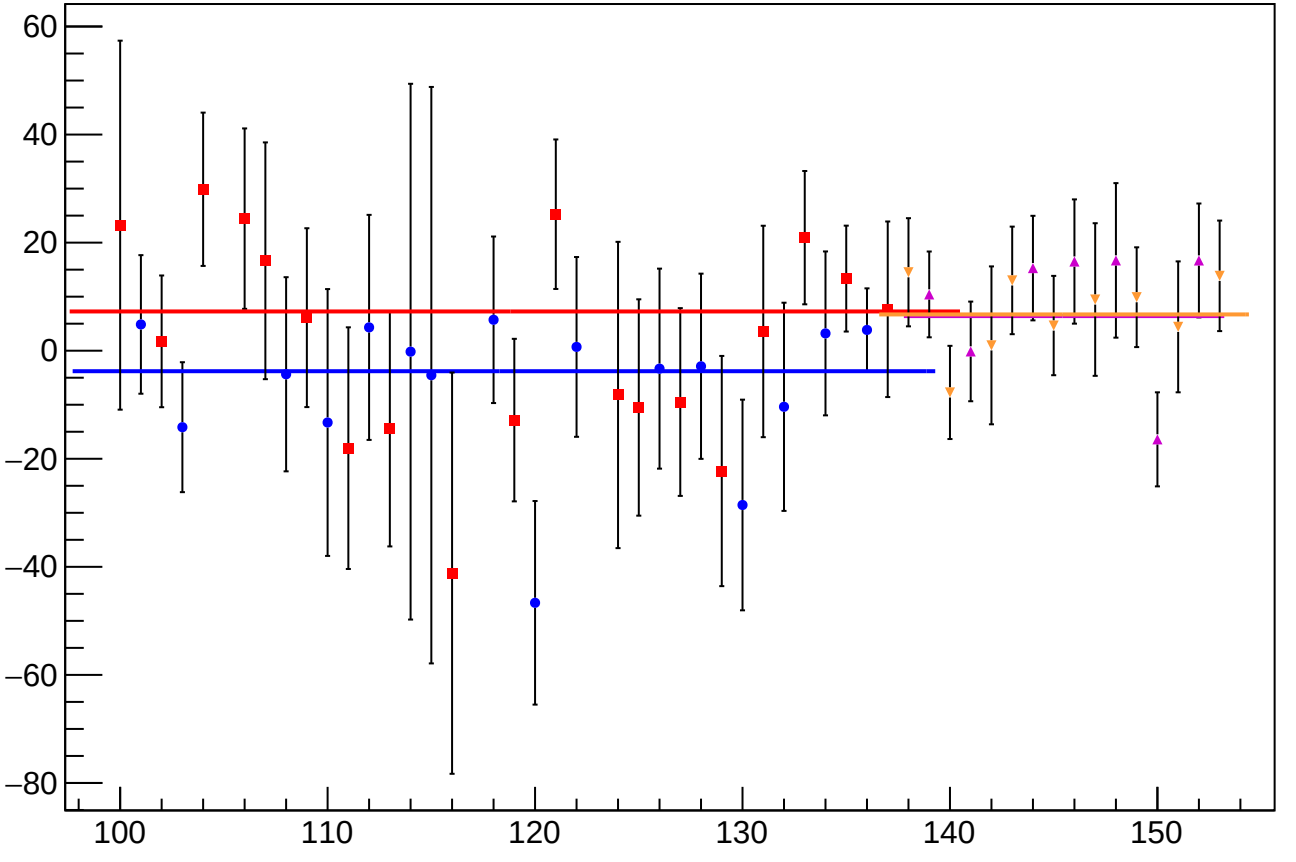
Left In: 810.074+/-0.232 χ^2/NDF:47201.3/6

+ sign 933.461+/-0.194 χ^2/NDF: 4913654.9/24

All: 942.574+/-0.141 χ^2/NDF: 10157871.8/50

- sign 952.892+/-0.206 χ^2/NDF: 5239494.1/25

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.713+/-3.468 χ^2/NDF:4.7/8

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

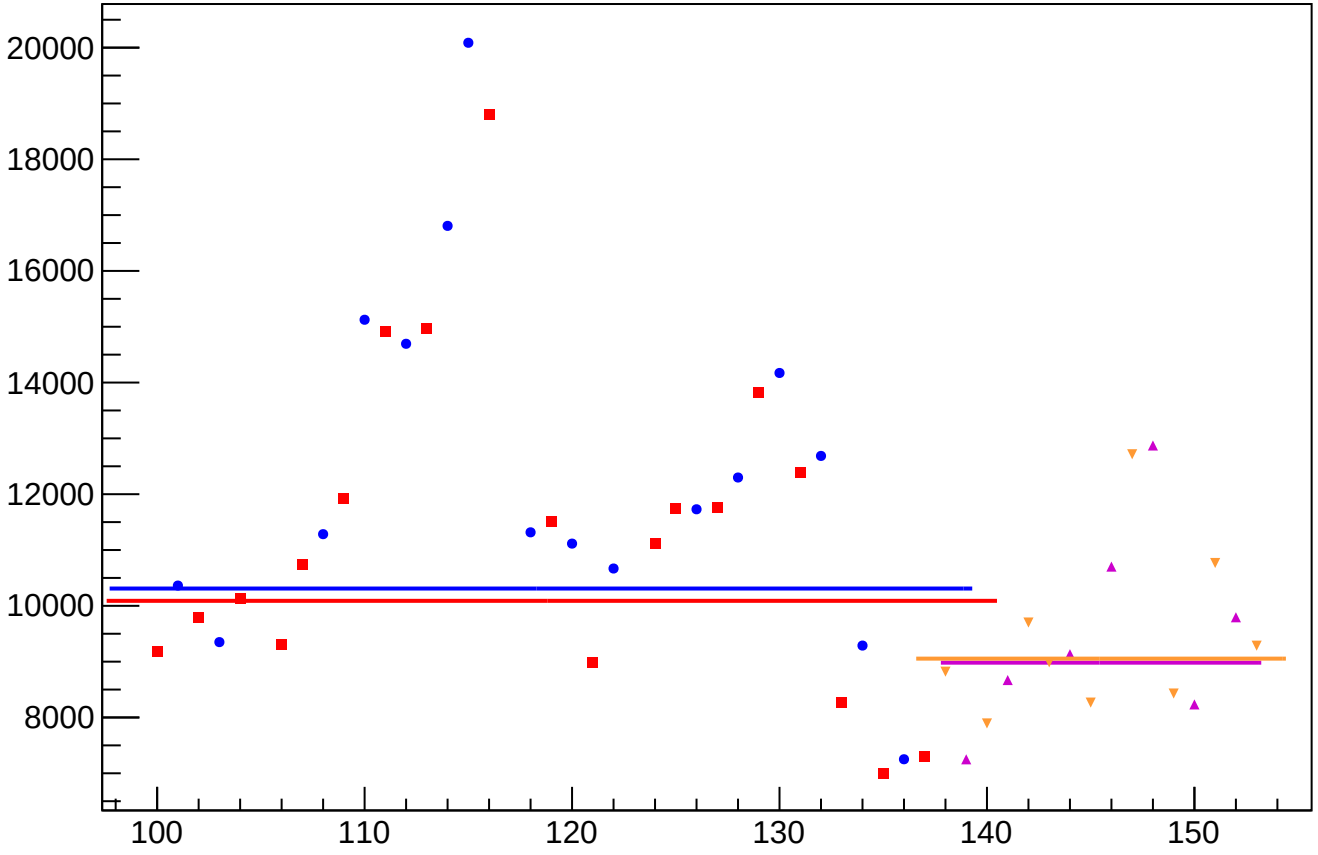
Left In: 6.406+/-3.702 χ^2/NDF:10.7/6

+ sign 2.130+/-2.604 χ^2/NDF: 18.8/24

All: 4.432+/-1.859 χ^2/NDF: 48.4/50

- sign 6.823+/-2.654 χ^2/NDF: 28.0/25

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9054.216+/-2.452 χ^2/NDF:240642.4/8

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

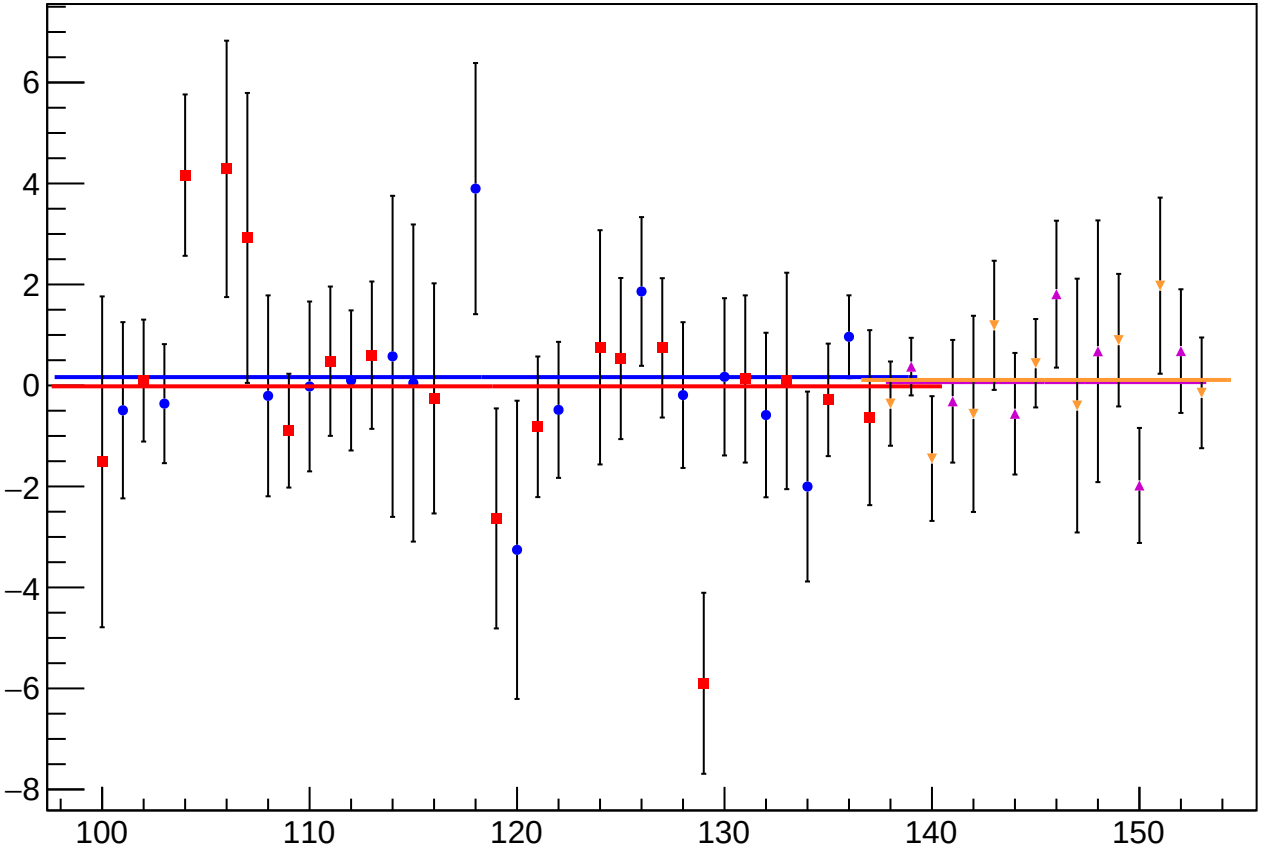
Left In: 8981.787+/-2.618 χ^2/NDF:317431.3/6

+ sign 9601.891+/-1.841 χ^2/NDF: 1125538.3/24

All: 9561.829+/-1.314 χ^2/NDF: 2323765.3/50

- sign 9520.214+/-1.877 χ^2/NDF: 1197261.9/25

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: 0.109+/-0.402 χ^2/NDF:4.5/8

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

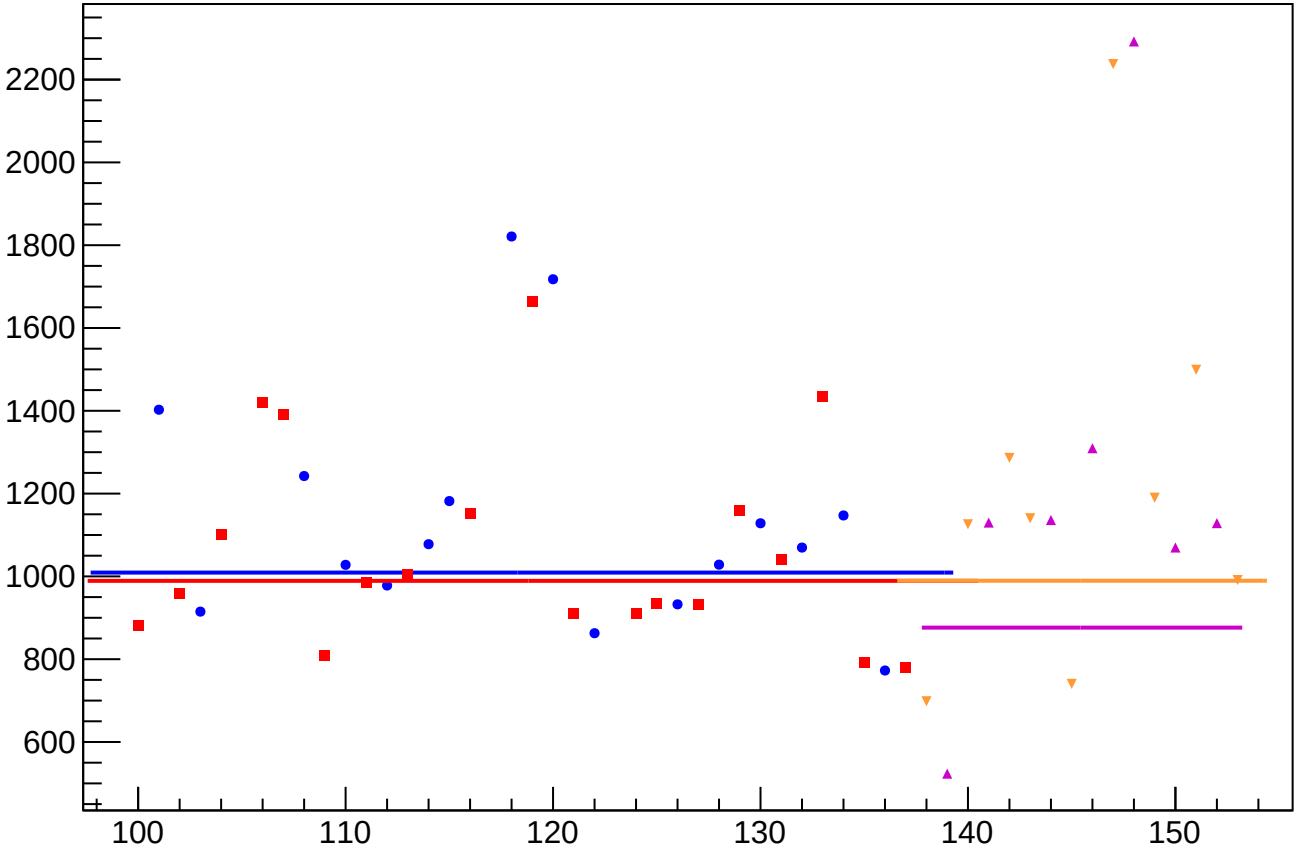
Left In: 0.066+/-0.392 χ^2/NDF:5.6/6

+ sign 0.139+/-0.279 χ^2/NDF: 12.6/24

All: 0.079+/-0.194 χ^2/NDF: 43.5/50

- sign 0.022+/-0.270 χ^2/NDF: 30.8/25

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 989.508+/-0.285 χ^2/NDF:1215049.4/8

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

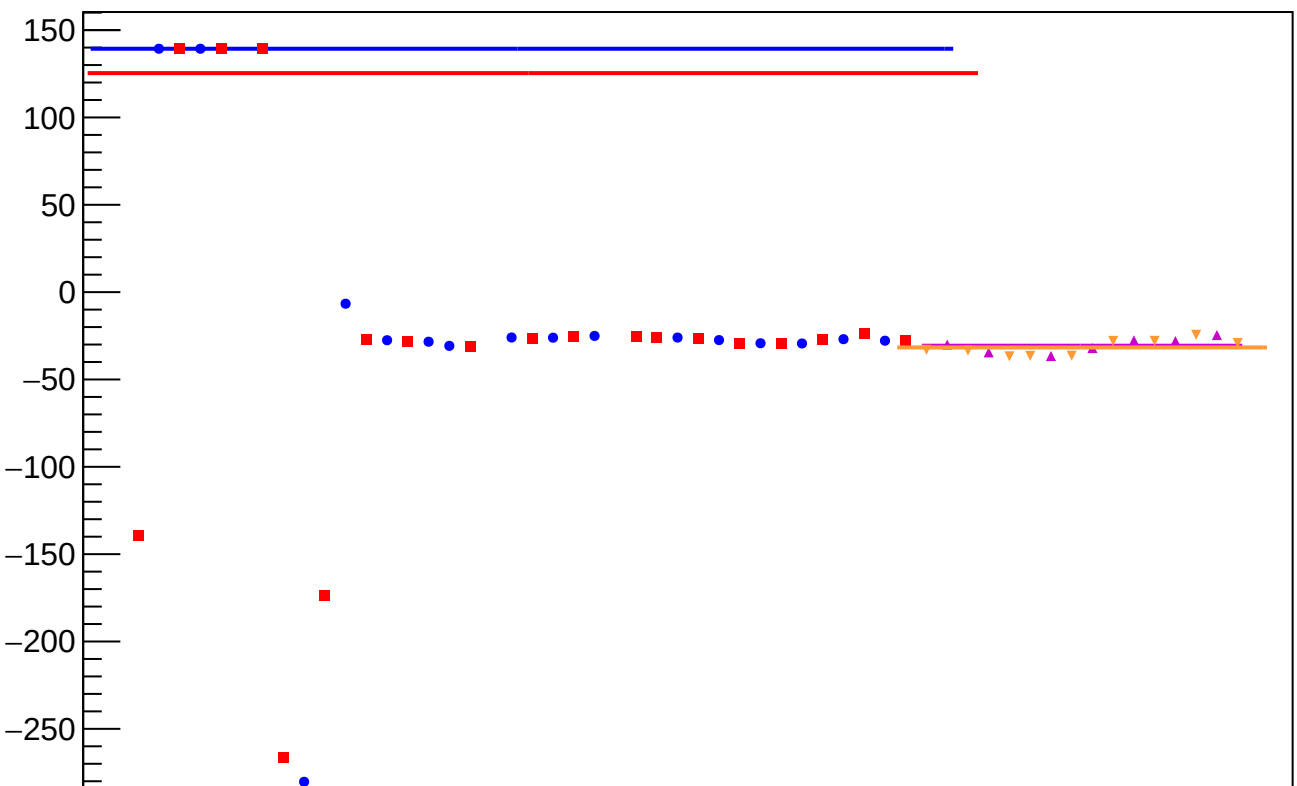
Left In: 876.268+/-0.277 χ^2/NDF:1862573.2/6

+ sign 999.769+/-0.197 χ^2/NDF: 1916850.7/24

All: 966.719+/-0.137 χ^2/NDF: 4497016.7/50

- sign 935.705+/-0.191 χ^2/NDF: 2525649.4/25

yield_cav4bX_mean vs Slug



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -31.680+/-0.001 χ^2/NDF:71579459.5/8

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

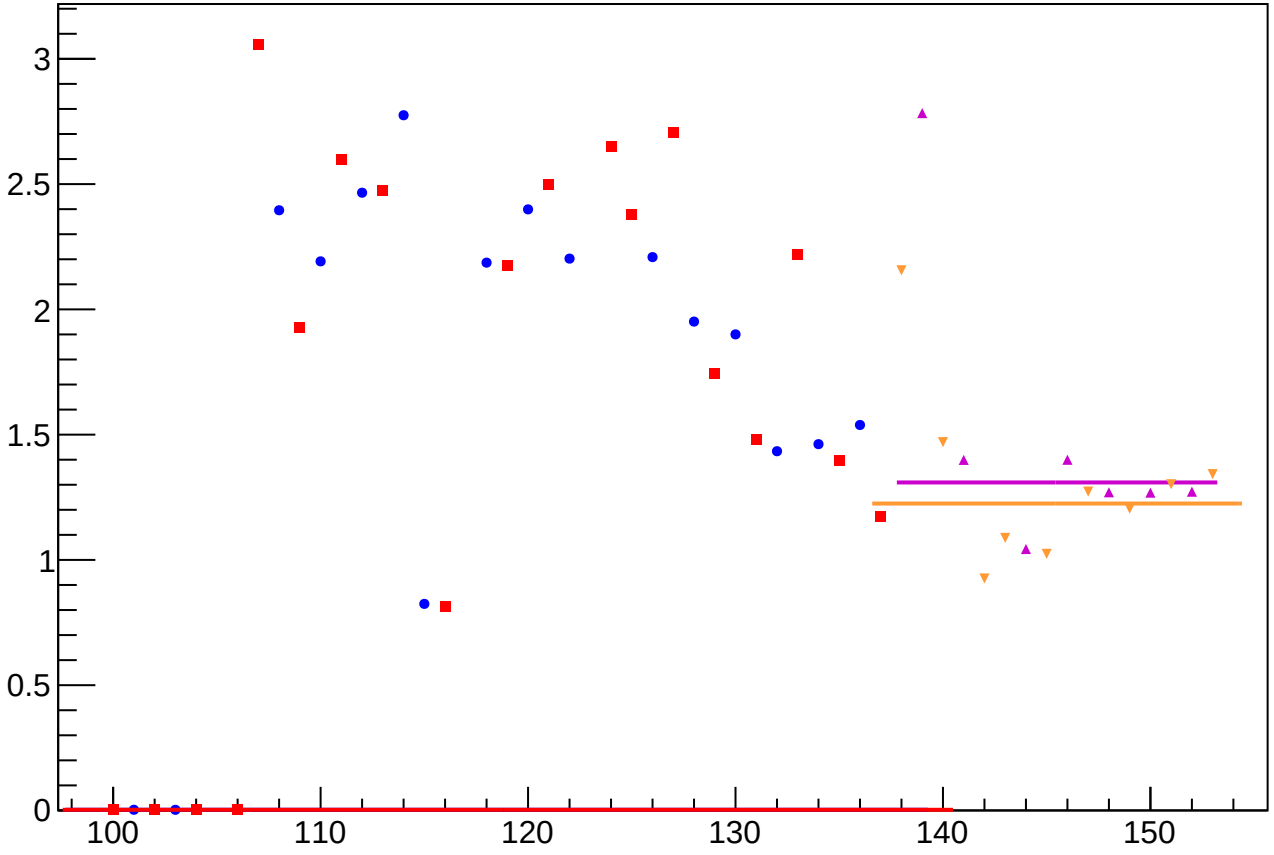
Left In: -30.672+/-0.001 χ^2/NDF:50005444.6/6

+ sign 139.333+/-0.000 χ^2/NDF: 150317030918.6/2

All: 131.816+/-0.000 χ^2/NDF: 79317133276

- sign 125.390+/-0.000 χ^2/NDF: 774239518297328

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.225+/-0.000 χ^2/NDF:419538.9/8

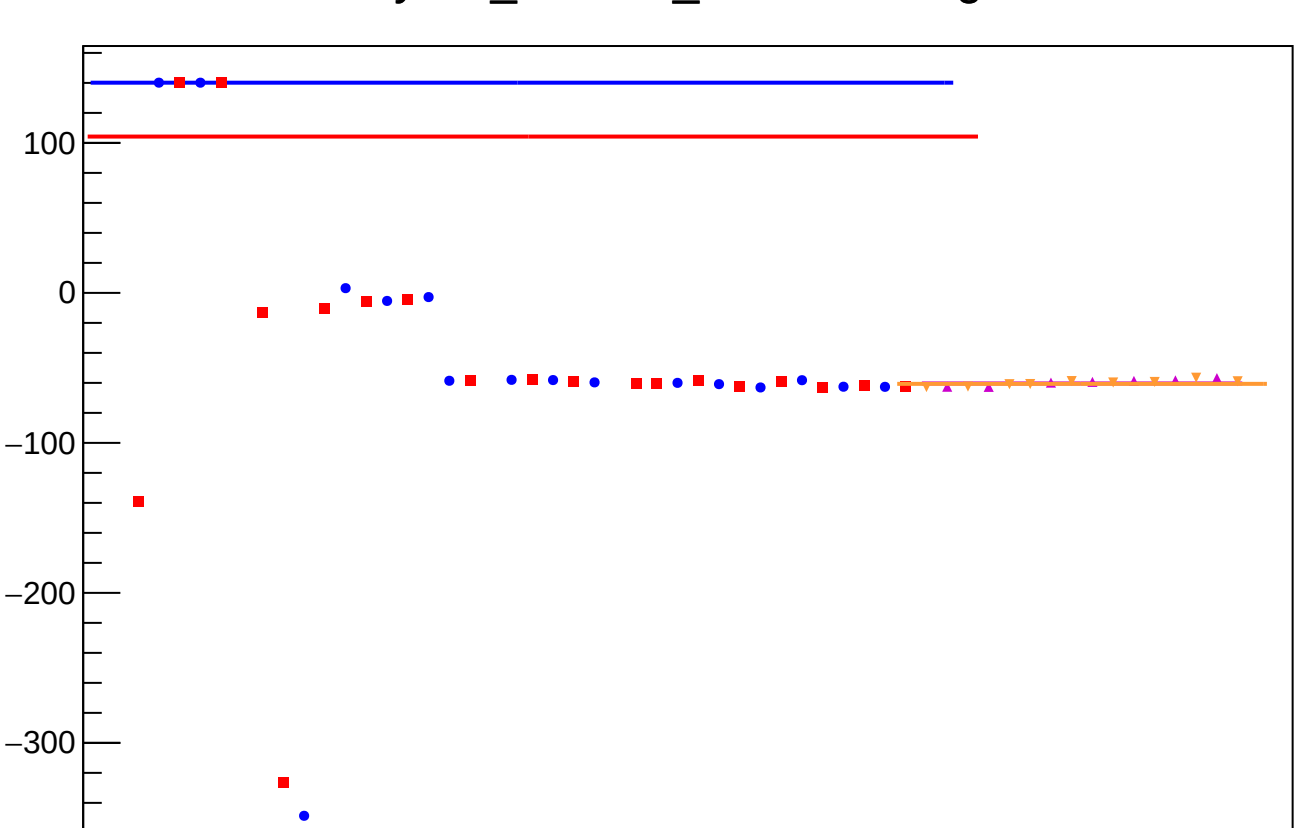
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.309+/-0.000 χ^2/NDF:562668.8/6

+ sign 0.003+/-0.000 χ^2/NDF: 20526047.8/24

All: 0.003+/-0.000 χ^2/NDF: 40123413.1/50

- sign 0.003+/-0.000 χ^2/NDF: 19597087.8/25



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -60.647+/-0.000 χ^2/NDF:34641759.1/8

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

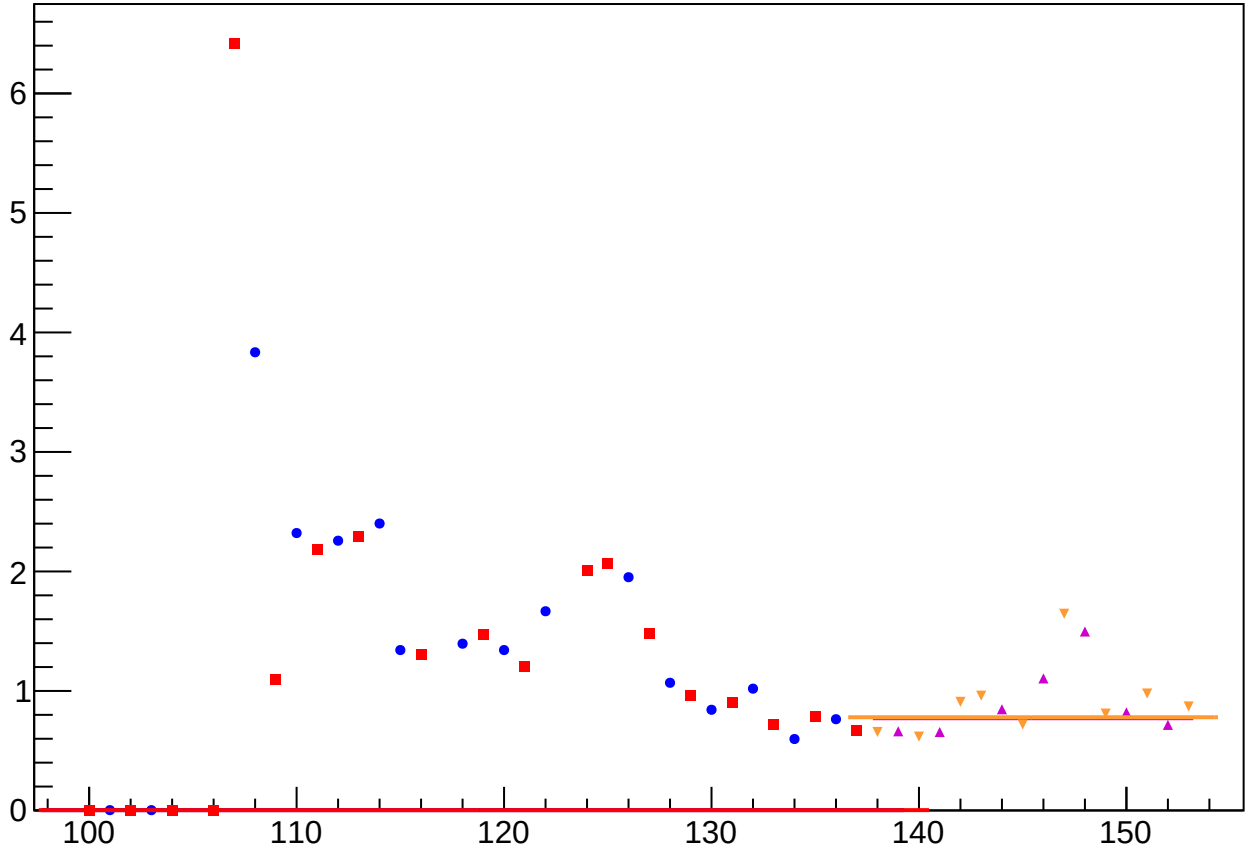
Left In: -60.366+/-0.000 χ^2/NDF:43129194.2/6

+ sign 140.134+/-0.000 χ^2/NDF: 533034032328.2/2

All: 120.824+/-0.000 χ^2/NDF: 13814362842

- sign 104.218+/-0.000 χ^2/NDF: 125761499255585

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.780+/-0.000 χ^2/NDF:689954.9/8

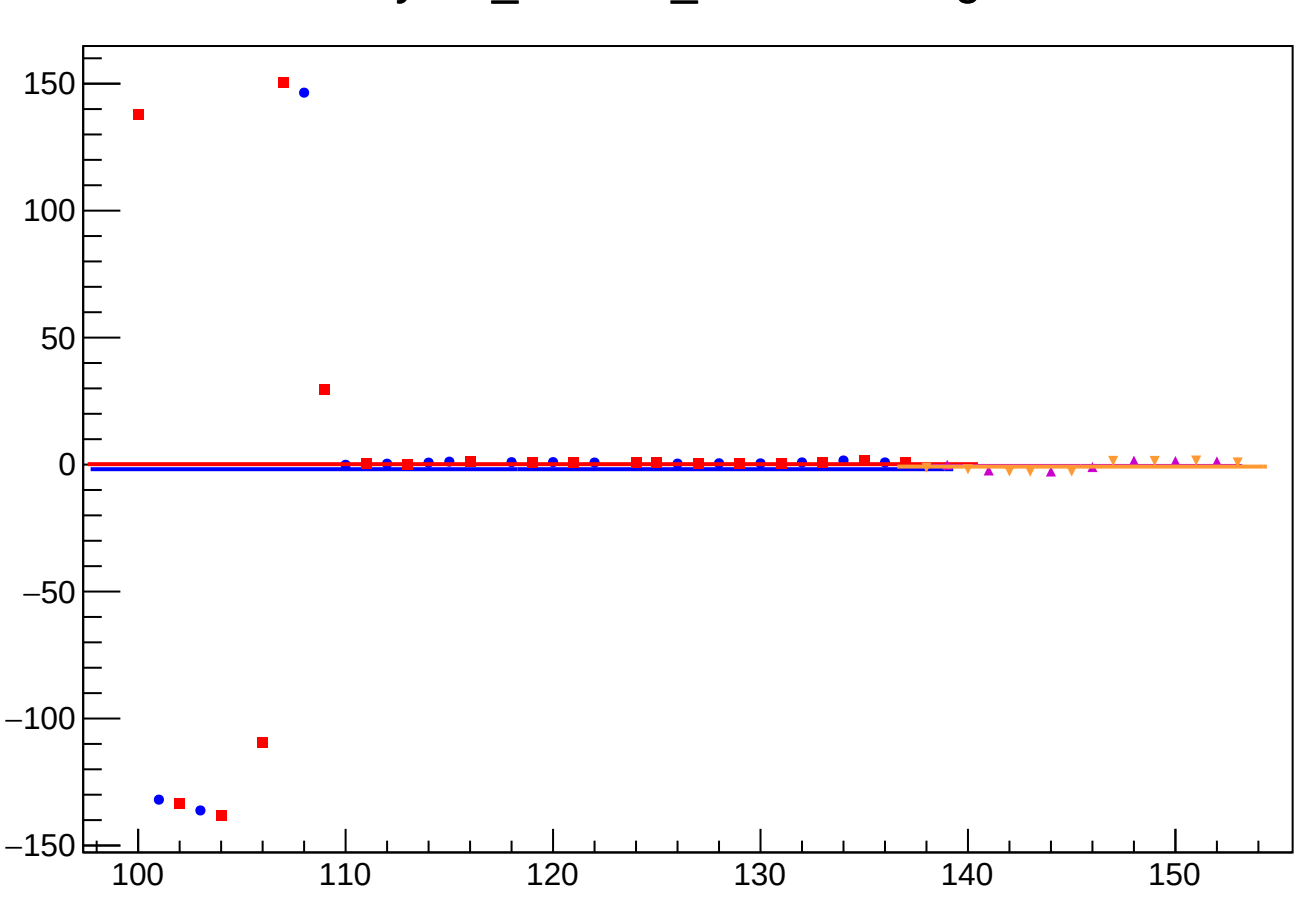
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.772+/-0.000 χ^2/NDF:565222.4/6

+ sign 0.003+/-0.000 χ^2/NDF: 21620272.7/24

All: 0.003+/-0.000 χ^2/NDF: 41761375.3/50

- sign 0.003+/-0.000 χ^2/NDF: 20140779.9/25



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.790+/-0.000 χ^2/NDF:70922210.2/8

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

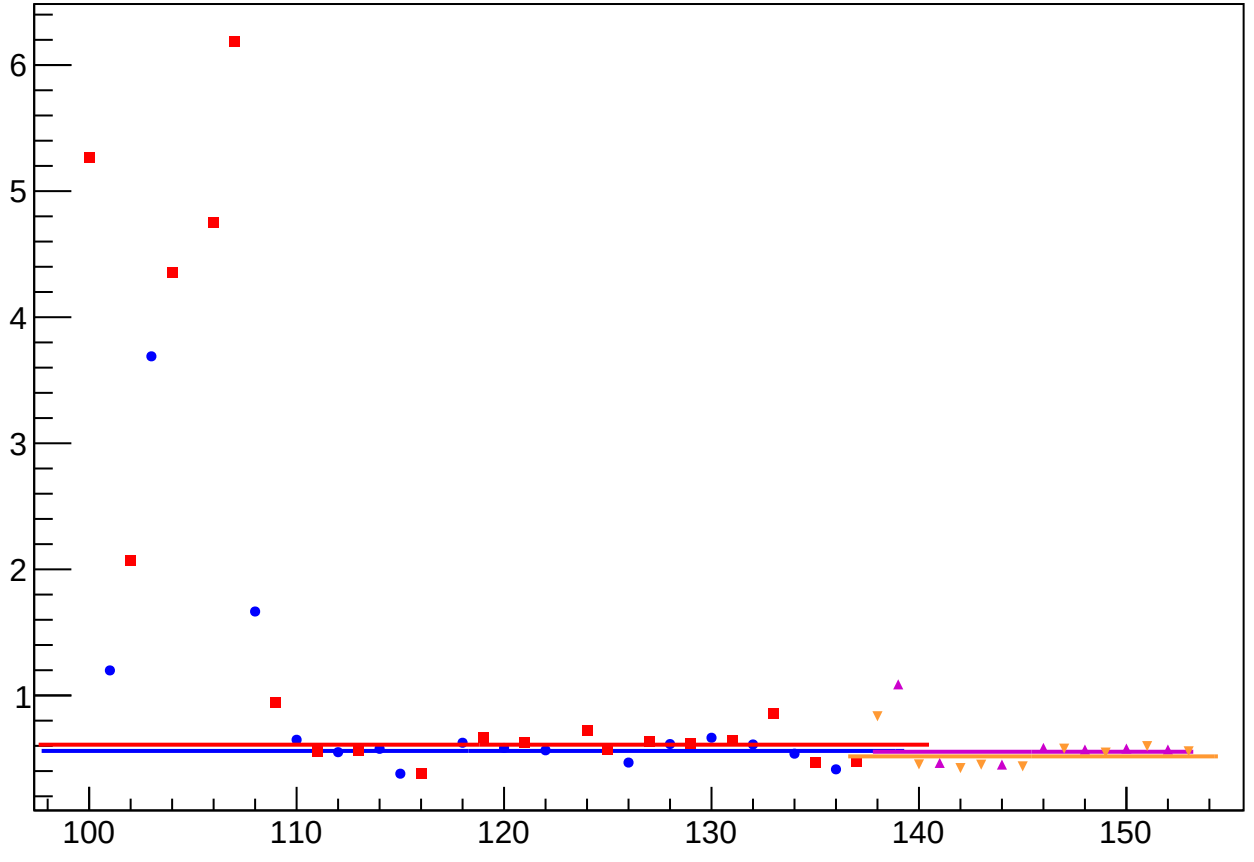
Left In: -0.535+/-0.000 χ^2/NDF:49156139.9/6

+ sign -1.252+/-0.000 χ^2/NDF: 9967485228.0/24

All: -0.788+/-0.000 χ^2/NDF: 13648738191.0/

- sign -0.209+/-0.000 χ^2/NDF: 3663901670.2/25

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.517+/-0.000 χ^2/NDF:359328.6/8

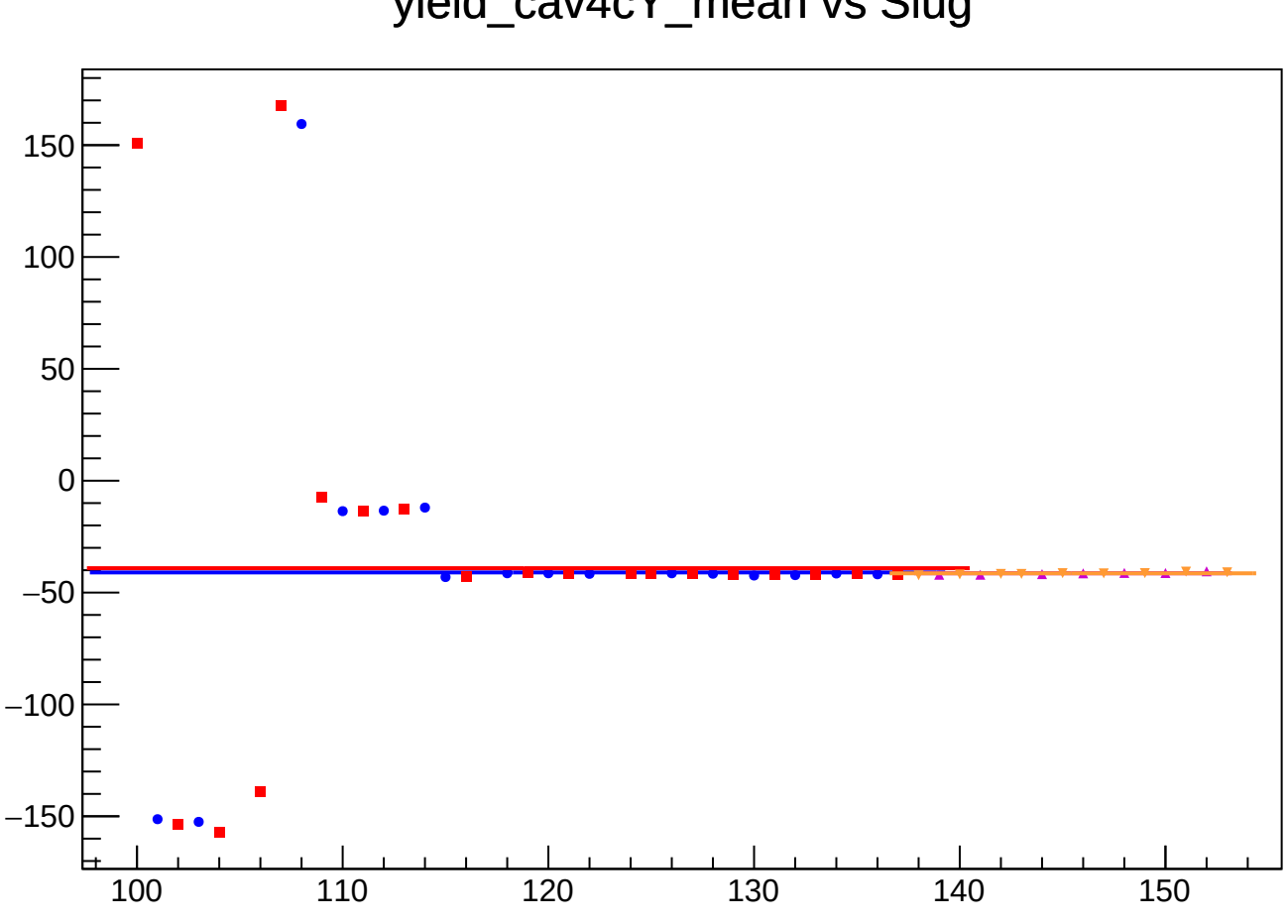
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.553+/-0.000 χ^2/NDF:526425.6/6

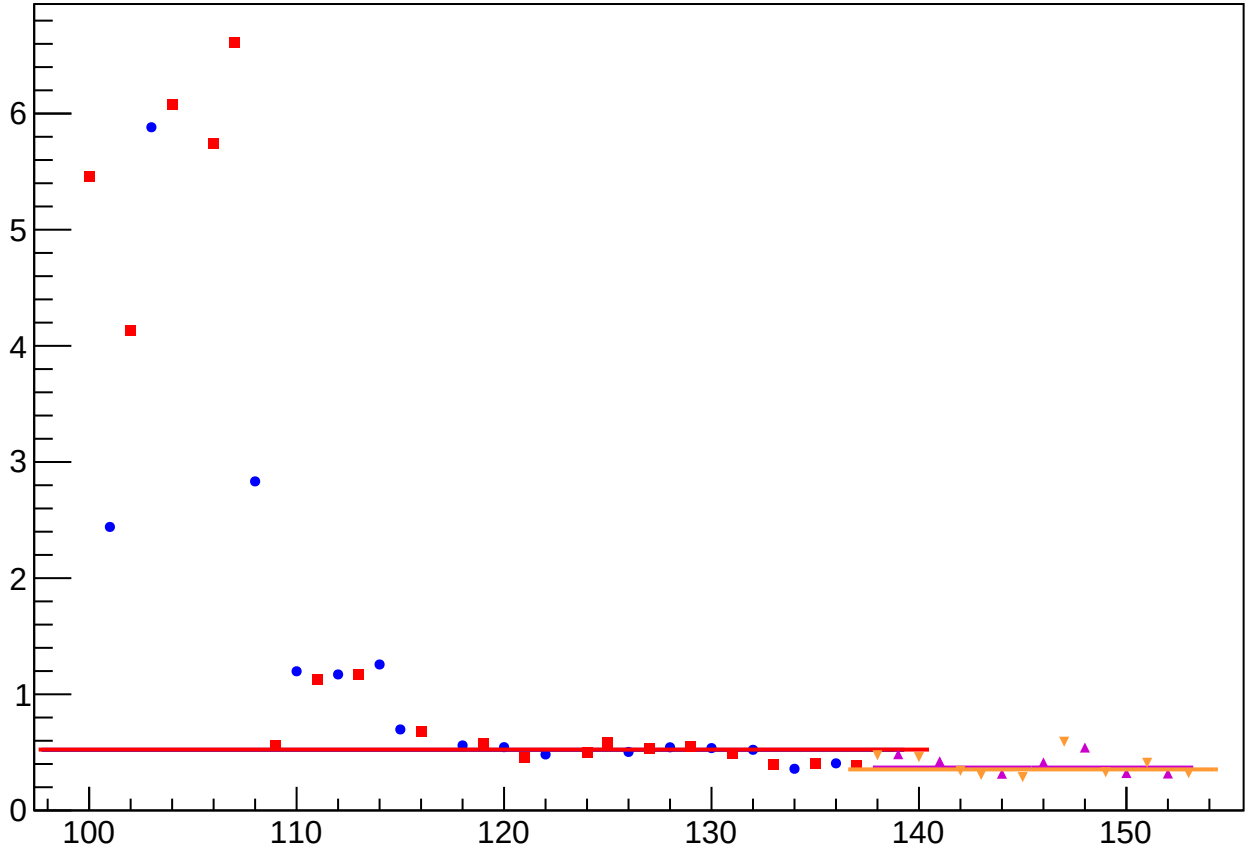
+ sign 0.536+/-0.000 χ^2/NDF: 1991017.2/24

All: 0.555+/-0.000 χ^2/NDF: 5098486.1/50

- sign 0.579+/-0.000 χ^2/NDF: 3047287.5/25


yield_cav4cY_mean vs Slug
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
Right In: -40.987+/-0.000 χ²/NDF: 3449622021.8/15
Left Out: -41.389+/-0.000 χ²/NDF:8226819.0/8
Right Out: -39.101+/-0.000 χ²/NDF: 2480133442.0/18
Left In: -41.351+/-0.000 χ²/NDF:10984992.8/6
+ sign -41.281+/-0.000 χ²/NDF: 3460032536.0/24
All: -40.996+/-0.000 χ²/NDF: 6026125941.3/
- sign -40.658+/-0.000 χ²/NDF: 2553864679.2/25

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.353+/-0.000 χ^2/NDF:606021.1/8

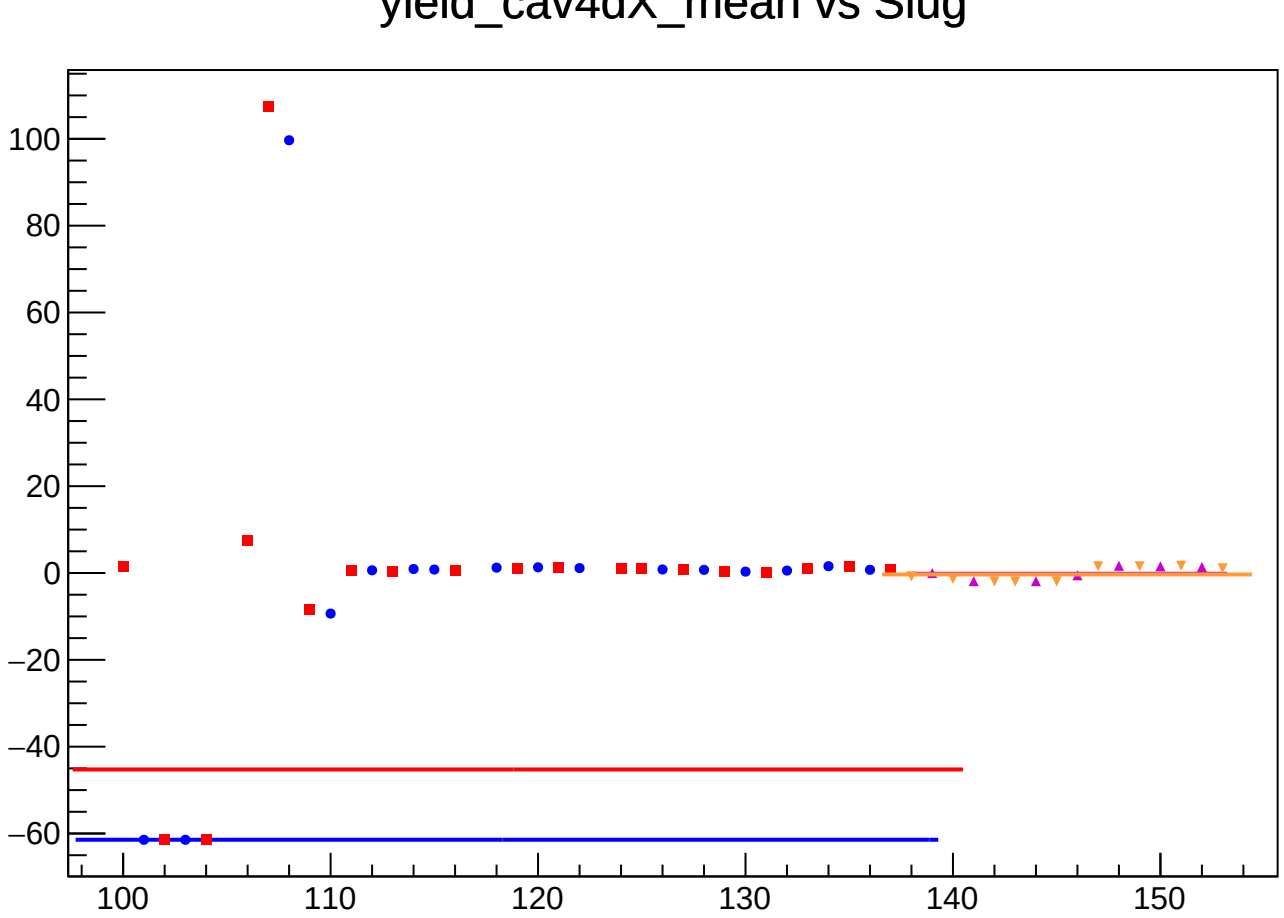
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.369+/-0.000 χ^2/NDF:416853.1/6

+ sign 0.399+/-0.000 χ^2/NDF: 4322725.8/24

All: 0.407+/-0.000 χ^2/NDF: 8618328.9/50

- sign 0.417+/-0.000 χ^2/NDF: 4274653.9/25



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.334+/-0.000 χ^2/NDF:71093945.5/8

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

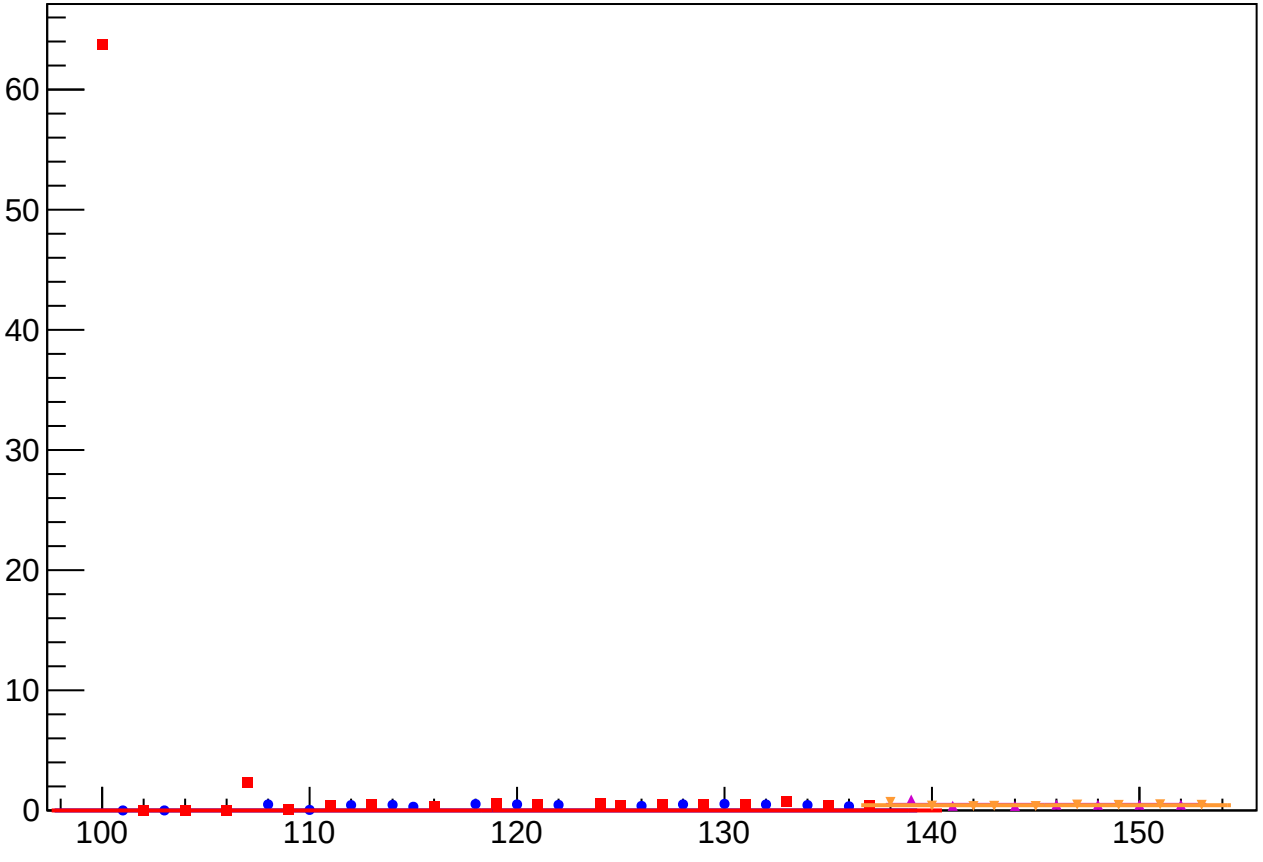
Left In: -0.176+/-0.000 χ^2/NDF:52358497.9/6

+ sign -61.431+/-0.000 χ^2/NDF: 377117582728.6/2

All: -52.746+/-0.000 χ^2/NDF: 409258280455

- sign -45.243+/-0.000 χ^2/NDF: 357914503414329.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.437+/-0.000 χ^2/NDF:357847.2/8

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

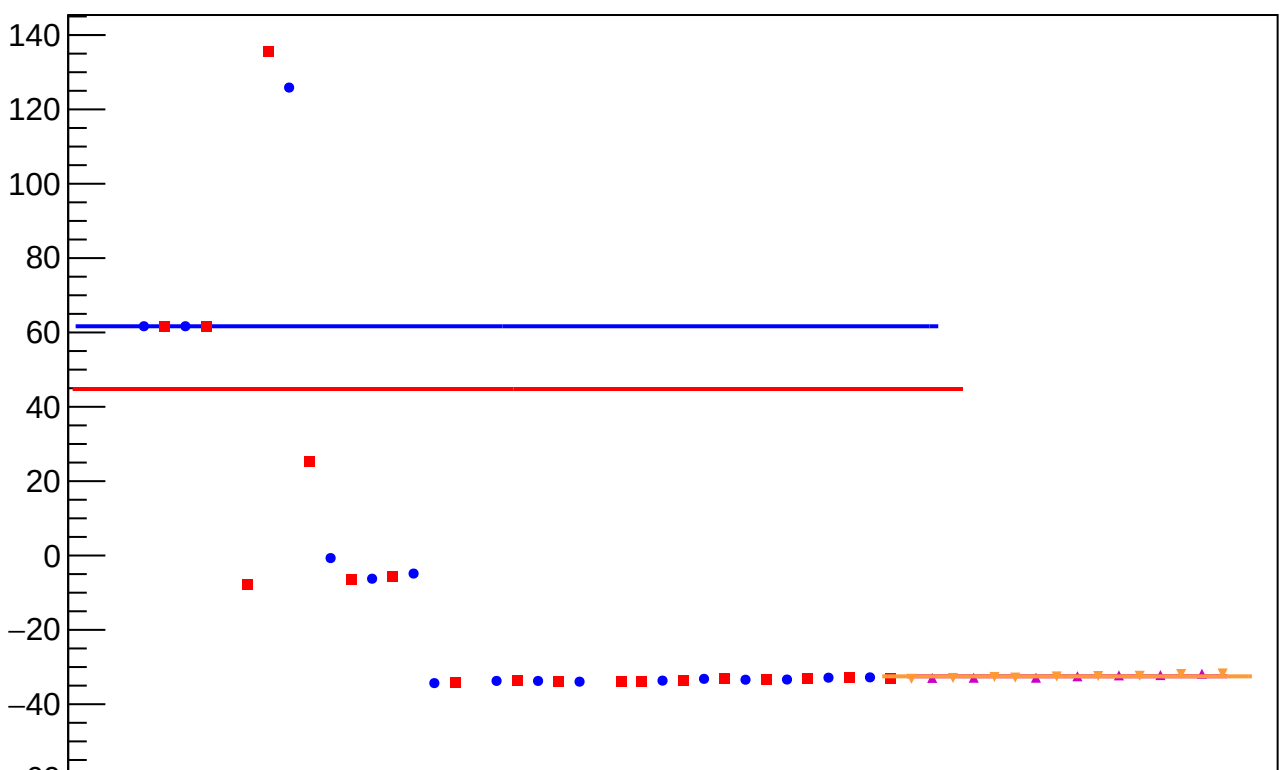
Left In: 0.465+/-0.000 χ^2/NDF:521578.1/6

+ sign 0.001+/-0.000 χ^2/NDF: 20045798.0/24

All: 0.001+/-0.000 χ^2/NDF: 39262886.9/50

- sign 0.001+/-0.000 χ^2/NDF: 19217035.5/25

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.502+/-0.000 χ^2/NDF:14465969.8/8

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

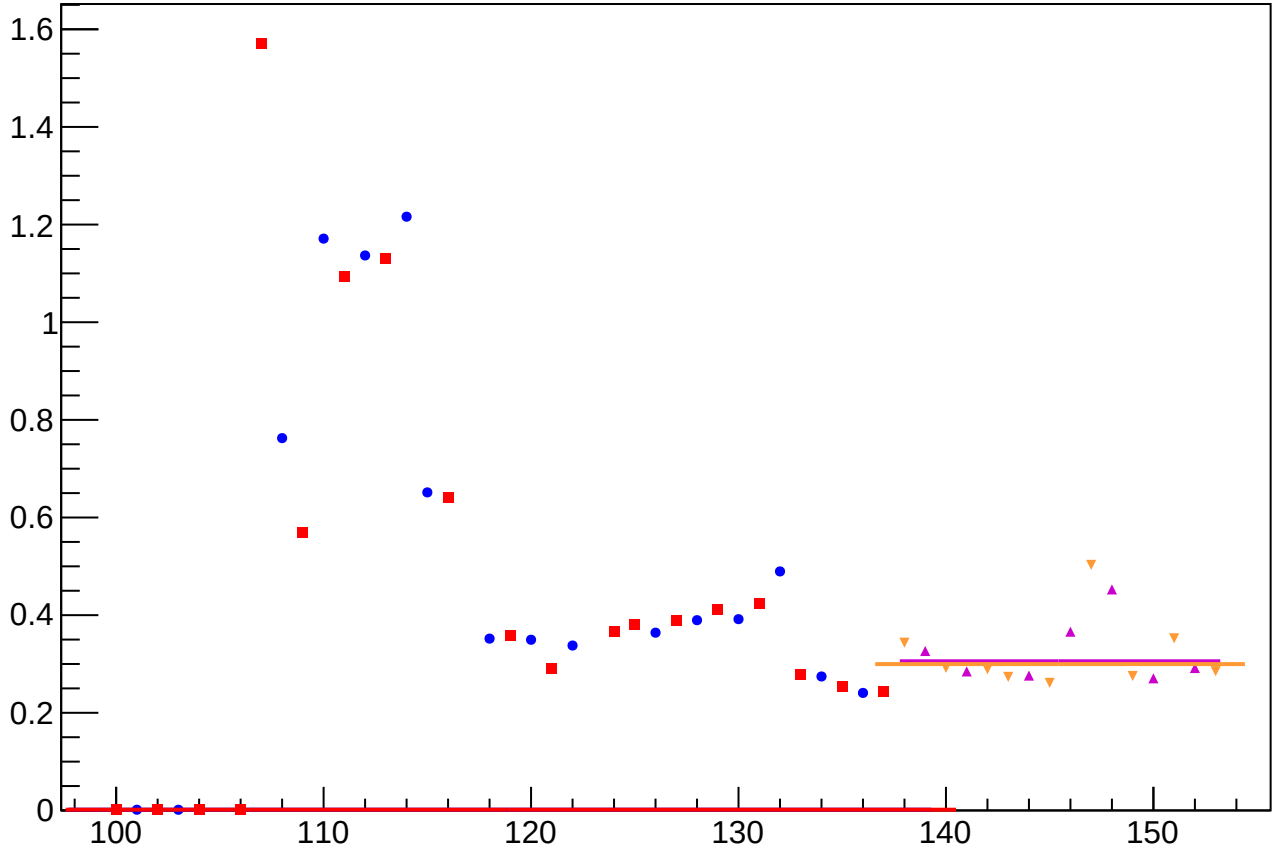
Left In: -32.482+/-0.000 χ^2/NDF:10885148.9/6

+ sign 61.642+/-0.000 χ^2/NDF: 1013267566728.2/2

All: 52.673+/-0.000 χ^2/NDF: 4185393130549

- sign 44.773+/-0.000 χ^2/NDF: 366460432732614.6

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.300+/-0.000 χ^2/NDF:387721.1/8

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

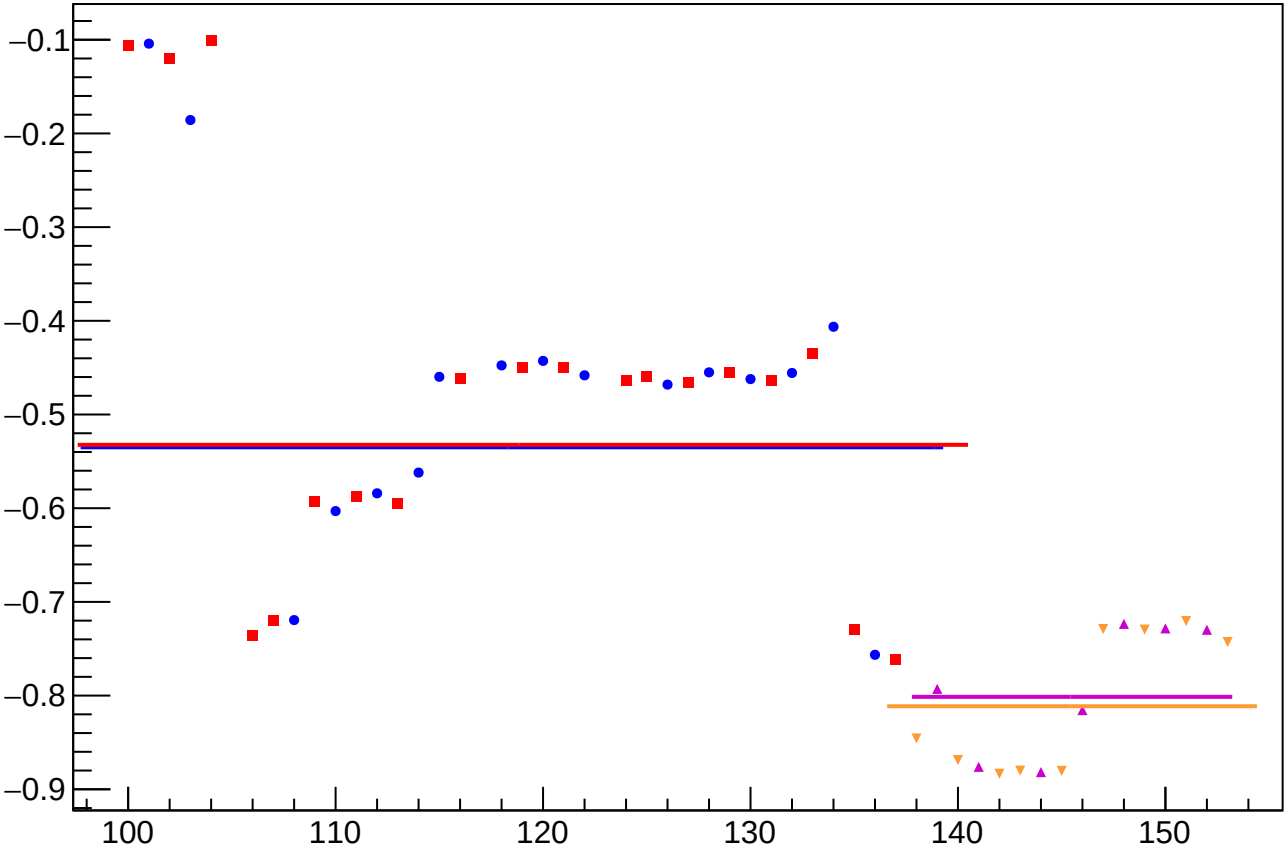
Left In: 0.306+/-0.000 χ^2/NDF:280022.7/6

+ sign 0.002+/-0.000 χ^2/NDF: 24330029.9/24

All: 0.002+/-0.000 χ^2/NDF: 46488055.4/50

- sign 0.002+/-0.000 χ^2/NDF: 22158021.6/25

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.811+/-0.000 χ^2/NDF:77403490.2/8

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

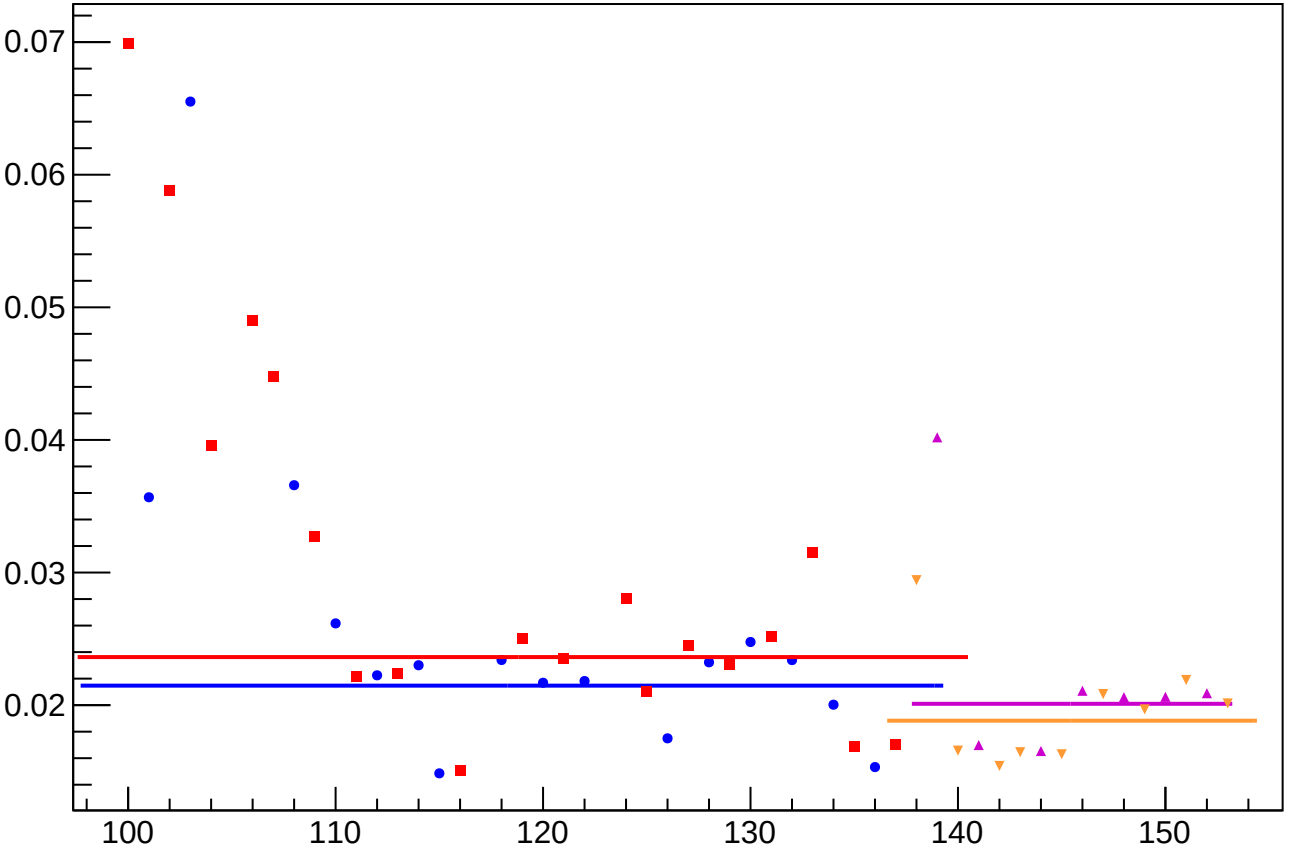
Left In: -0.801+/-0.000 χ^2/NDF:54844258.5/6

+ sign -0.690+/-0.000 χ^2/NDF: 876737248.1/24

All: -0.684+/-0.000 χ^2/NDF: 1536255686.0/5

- sign -0.677+/-0.000 χ^2/NDF: 657417391.0/25

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:318580.9/8

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

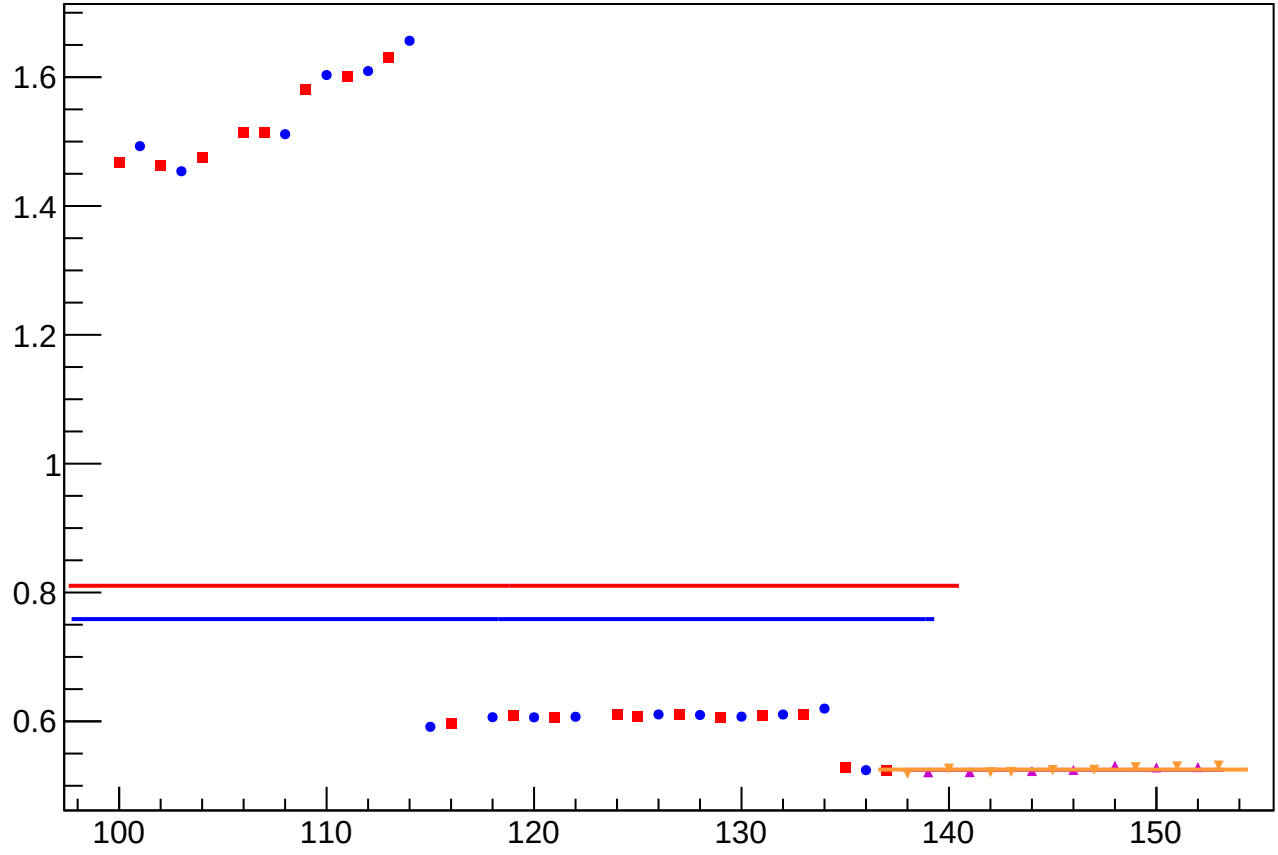
Left In: 0.020+/-0.000 χ^2/NDF:528899.6/6

+ sign 0.020+/-0.000 χ^2/NDF: 1563773.2/24

All: 0.021+/-0.000 χ^2/NDF: 3575682.6/50

- sign 0.022+/-0.000 χ^2/NDF: 1939472.9/25

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.525+/-0.000 χ^2/NDF:731321.9/8

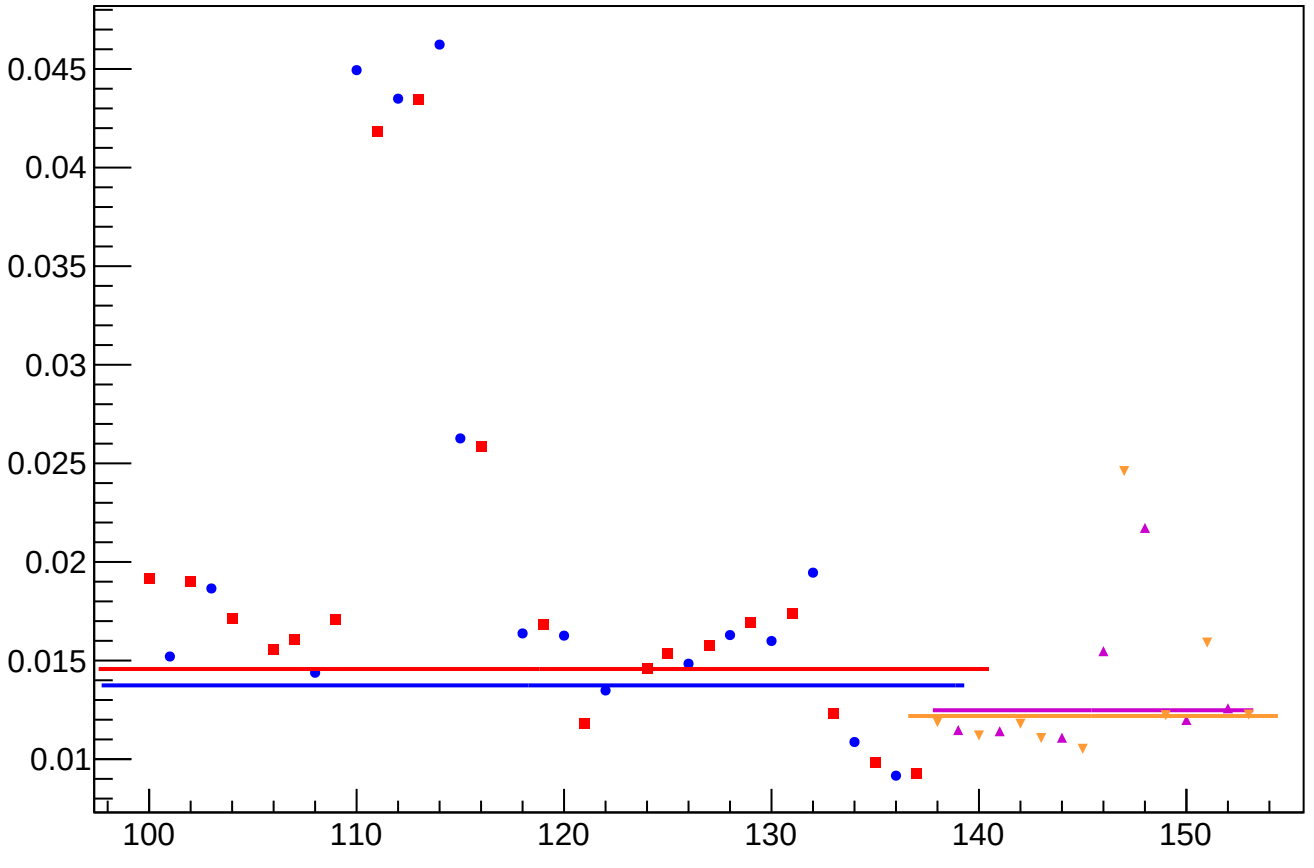
Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.525+/-0.000 χ^2/NDF:443842.4/6

+ sign 0.623+/-0.000 χ^2/NDF: 5302090541.0/24

All: 0.637+/-0.000 χ^2/NDF: 11428295315.4/5

- sign 0.652+/-0.000 χ^2/NDF: 6096440546.1/25



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:559017.5/8

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

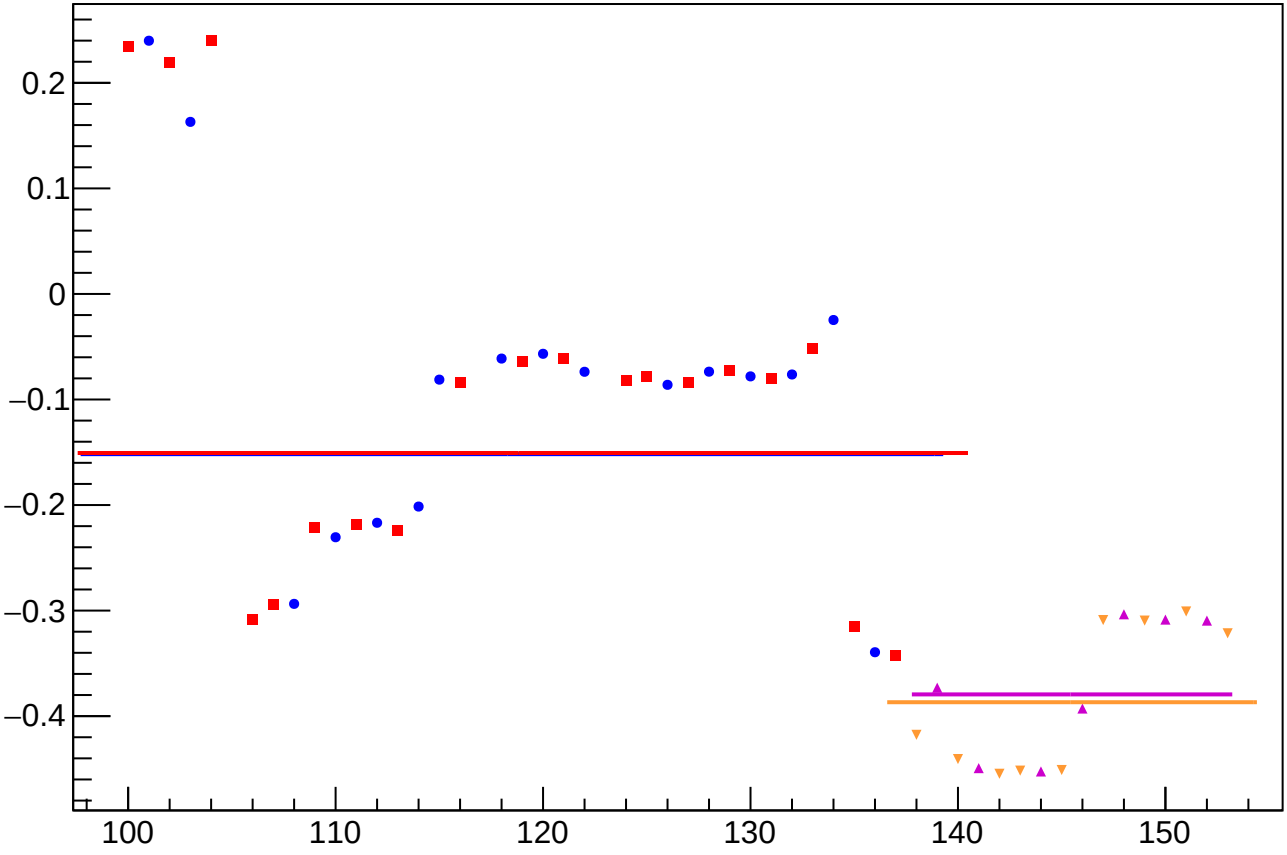
Left In: 0.012+/-0.000 χ^2/NDF:402365.7/6

+ sign 0.013+/-0.000 χ^2/NDF: 2297026.3/24

All: 0.013+/-0.000 χ^2/NDF: 4319684.5/50

- sign 0.013+/-0.000 χ^2/NDF: 1999470.0/25

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.387+/-0.000 χ^2/NDF:75999939.1/8

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

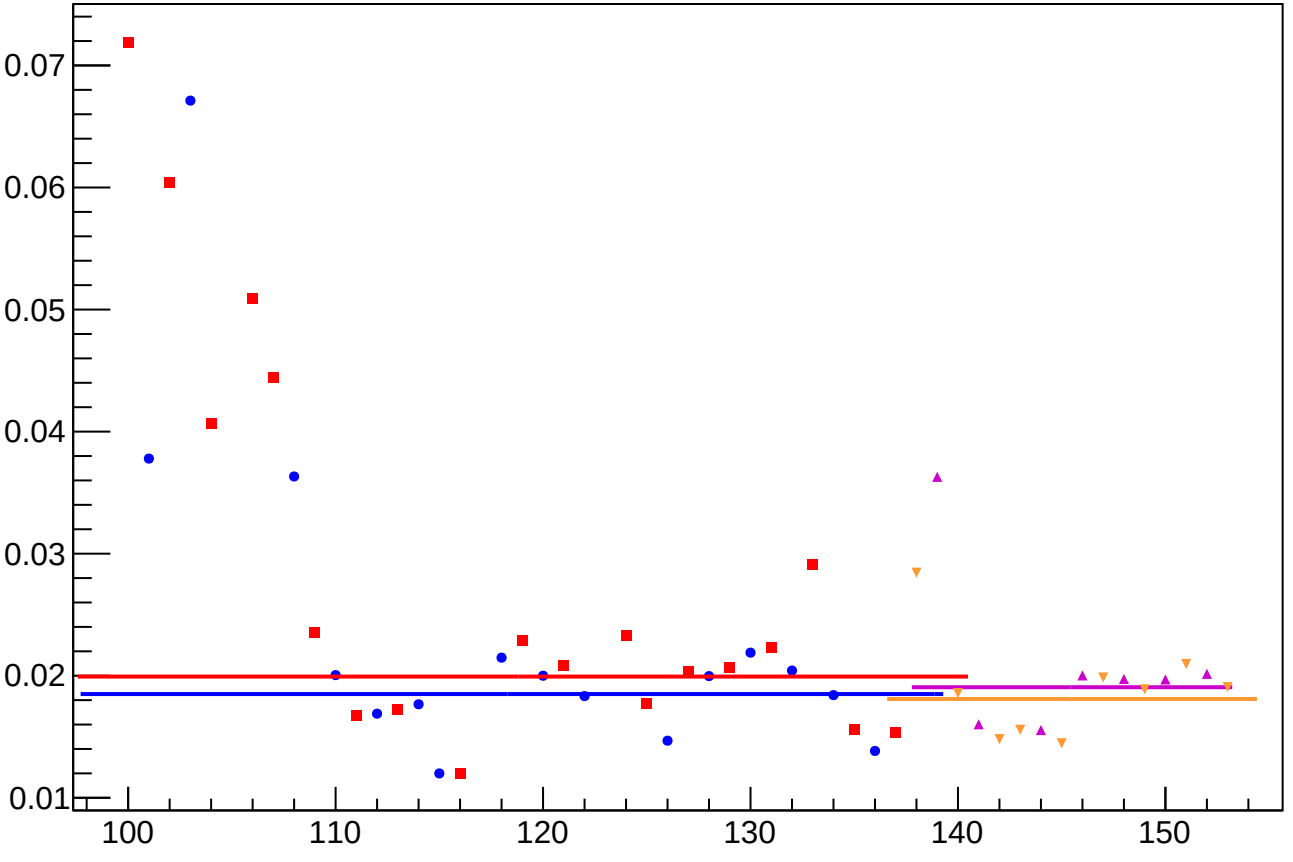
Left In: -0.379+/-0.000 χ^2/NDF:55133308.7/6

+ sign -0.273+/-0.000 χ^2/NDF: 790931995.0/24

All: -0.268+/-0.000 χ^2/NDF: 1396564601.9/5

- sign -0.262+/-0.000 χ^2/NDF: 604002688.5/25

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:353718.7/8

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

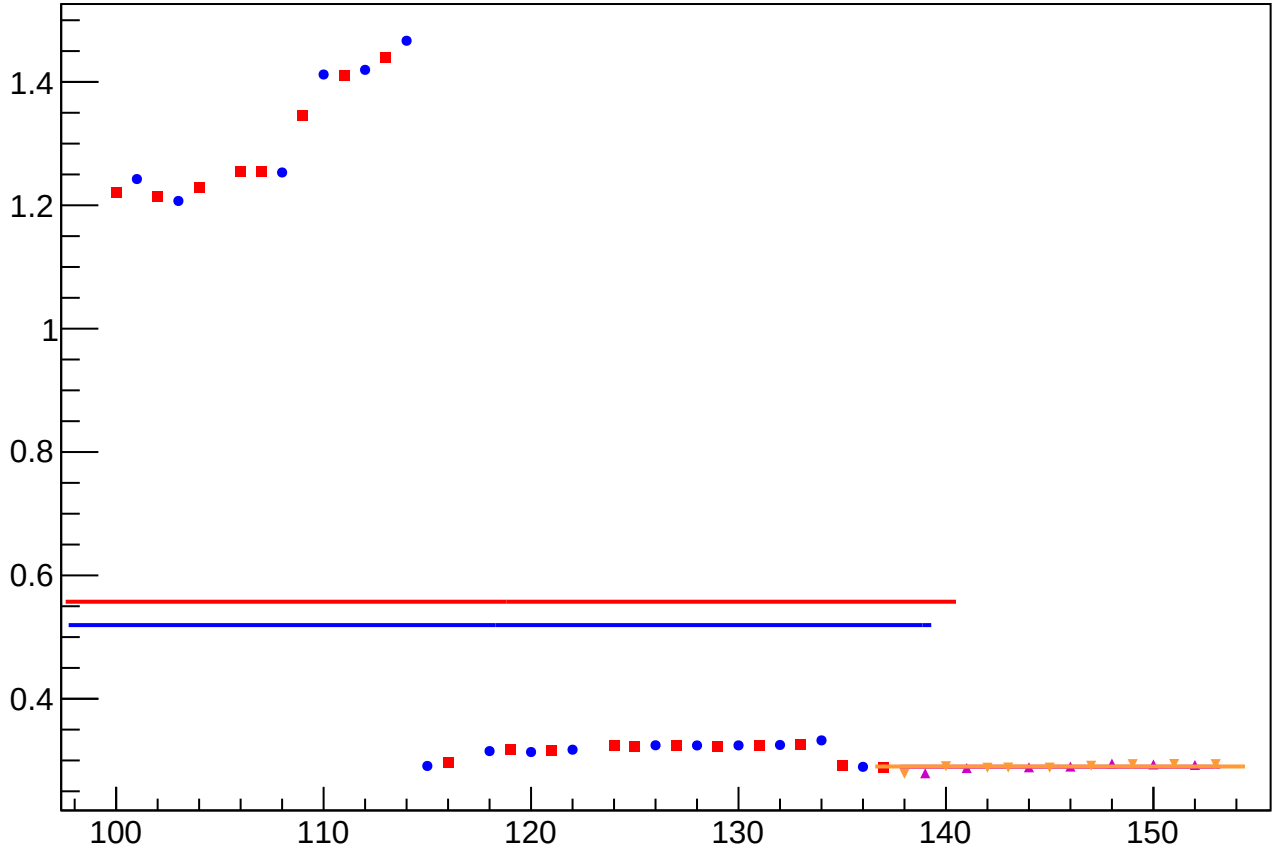
Left In: 0.019+/-0.000 χ^2/NDF:502315.7/6

+ sign 0.018+/-0.000 χ^2/NDF: 1728652.5/24

All: 0.019+/-0.000 χ^2/NDF: 3831564.5/50

- sign 0.020+/-0.000 χ^2/NDF: 2060057.5/25

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.290+/-0.000 χ^2/NDF:950355.0/8

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

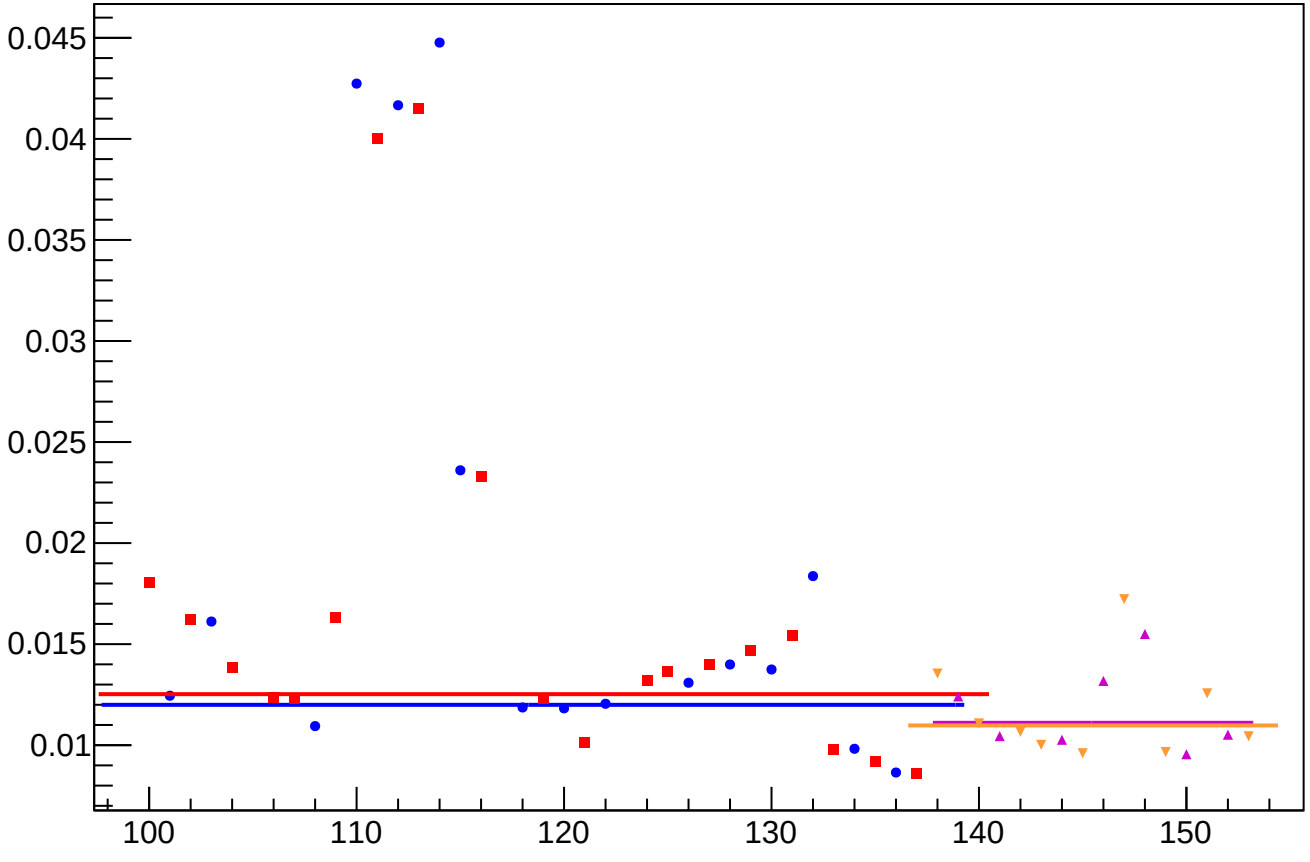
Left In: 0.290+/-0.000 χ^2/NDF:913290.7/6

+ sign 0.389+/-0.000 χ^2/NDF: 7553746481.1/24

All: 0.400+/-0.000 χ^2/NDF: 15841790957.3/5

- sign 0.412+/-0.000 χ^2/NDF: 8265185057.2/25

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:371270.6/8

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

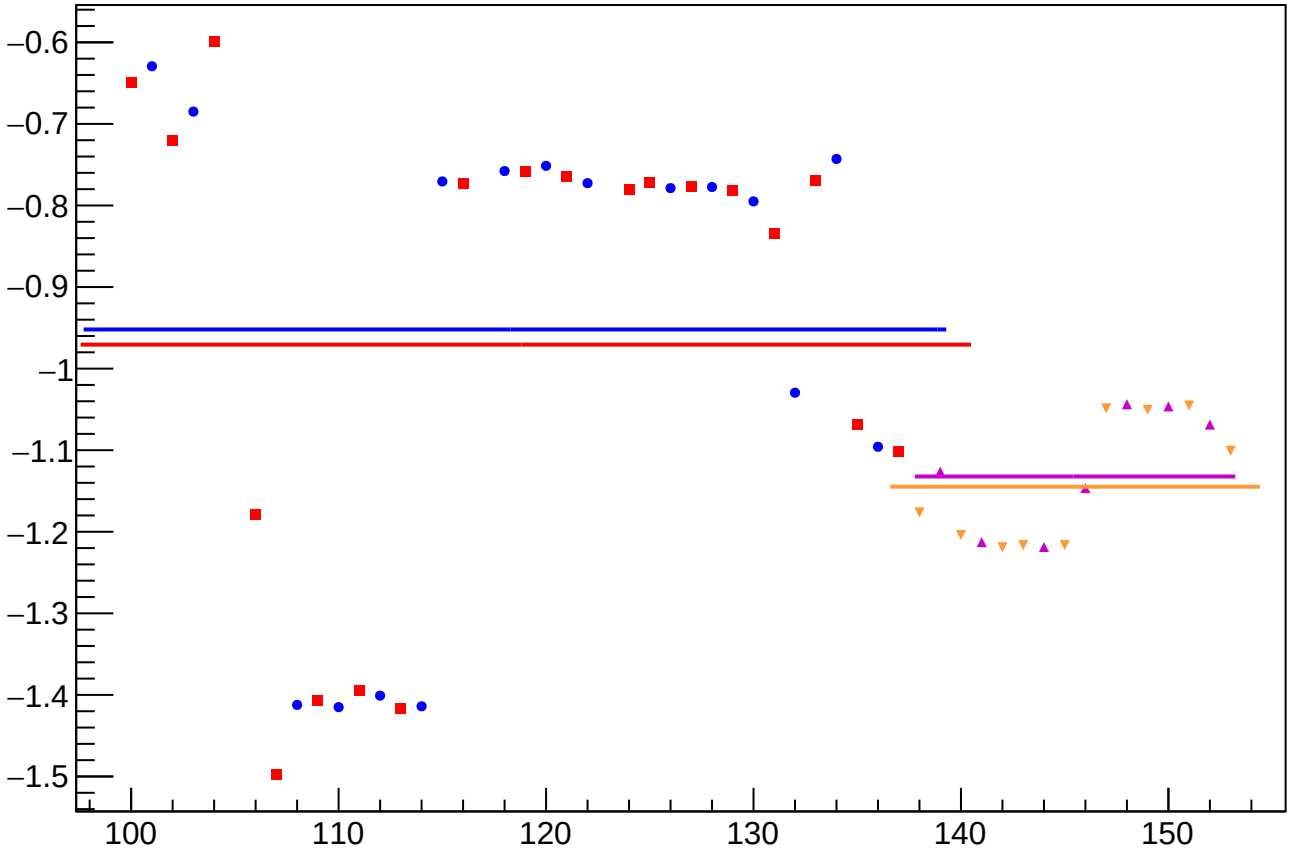
Left In: 0.011+/-0.000 χ^2/NDF:256599.2/6

+ sign 0.011+/-0.000 χ^2/NDF: 1911826.0/24

All: 0.012+/-0.000 χ^2/NDF: 3698135.1/50

- sign 0.012+/-0.000 χ^2/NDF: 1776079.4/25

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.145+/-0.000 χ^2/NDF:89430132.9/8

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

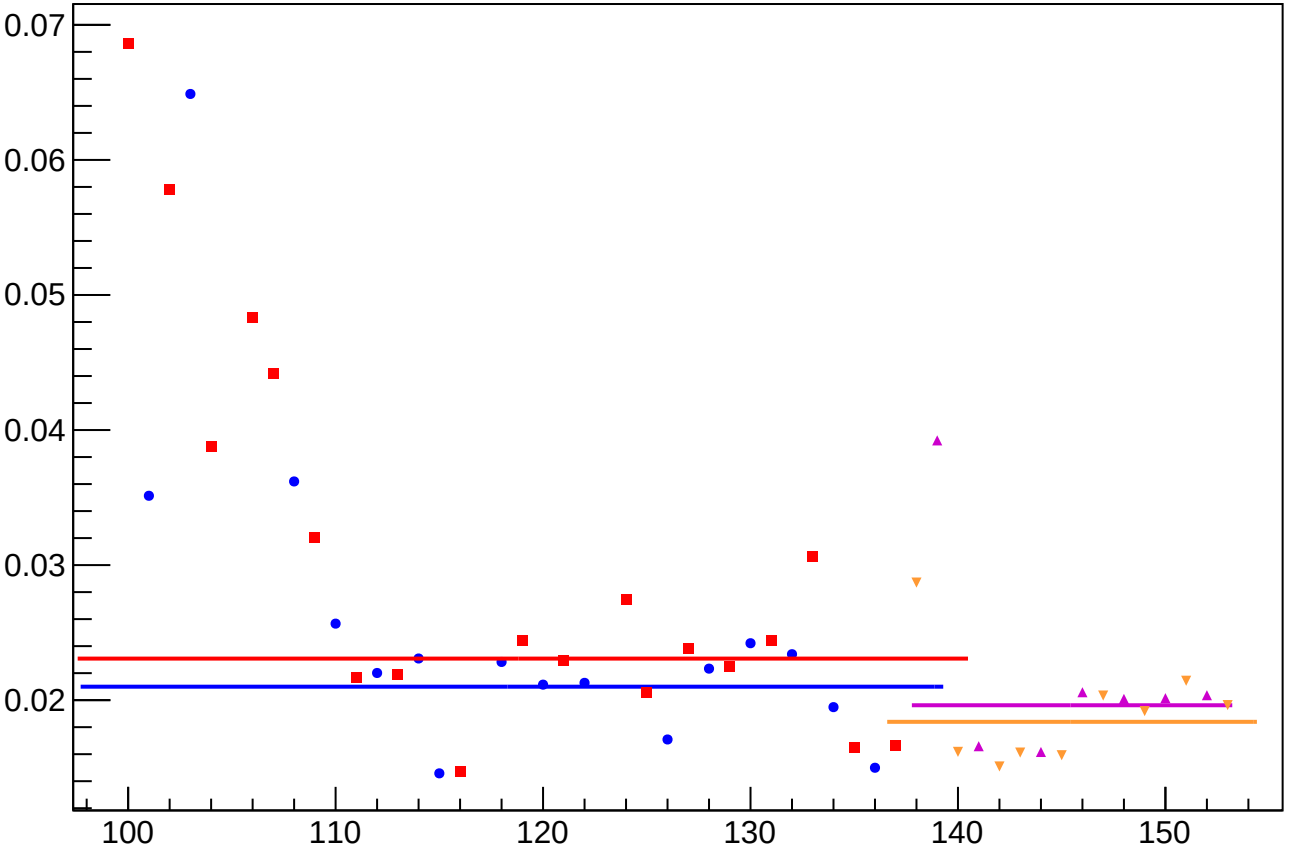
Left In: -1.132+/-0.000 χ^2/NDF:67076162.7/6

+ sign -1.060+/-0.000 χ^2/NDF: 1042589442.4/24

All: -1.059+/-0.000 χ^2/NDF: 1971168860.2/5

- sign -1.058+/-0.000 χ^2/NDF: 928484249.6/25

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:316587.9/8

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

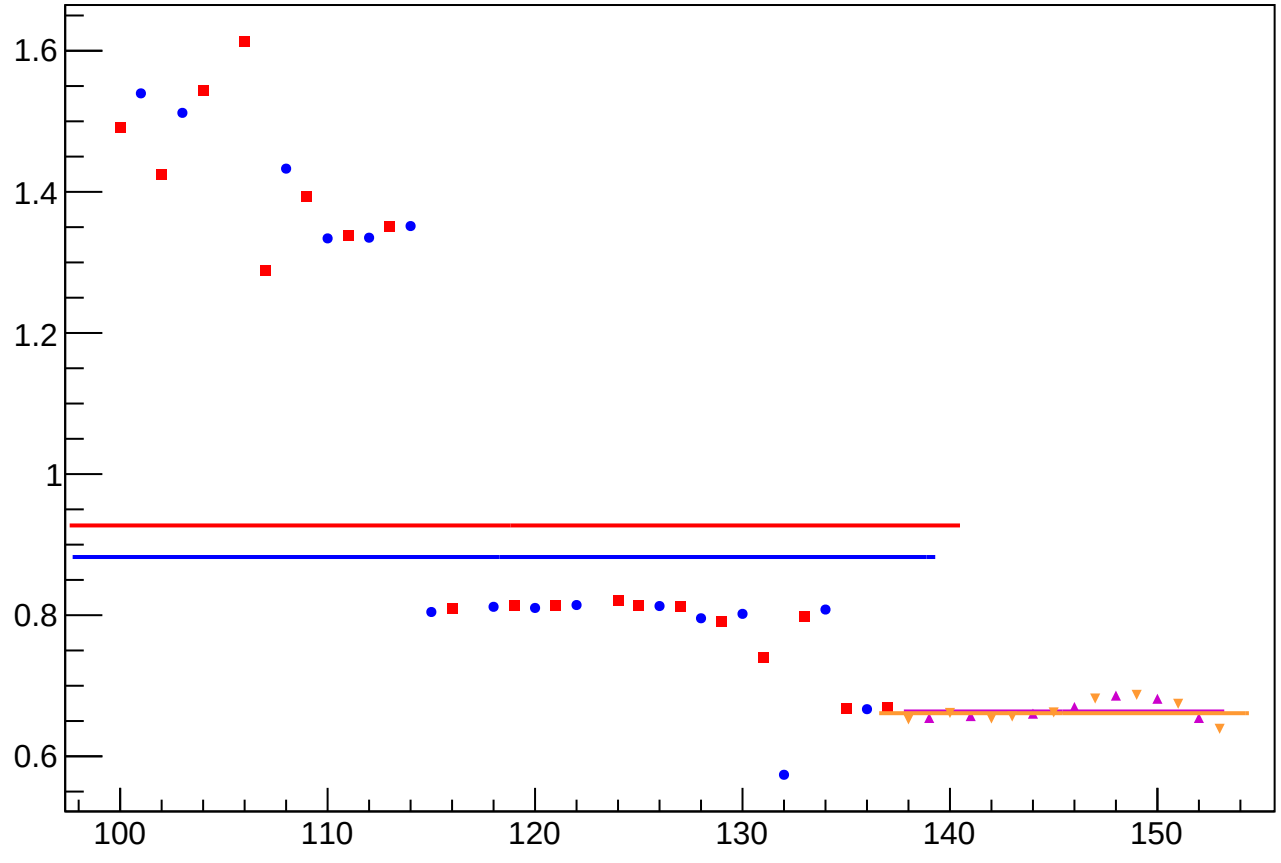
Left In: 0.020+/-0.000 χ^2/NDF:527838.9/6

+ sign 0.020+/-0.000 χ^2/NDF: 1575999.1/24

All: 0.020+/-0.000 χ^2/NDF: 3589871.6/50

- sign 0.021+/-0.000 χ^2/NDF: 1943345.9/25

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.661+/-0.000 χ^2/NDF:8193021.3/8

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

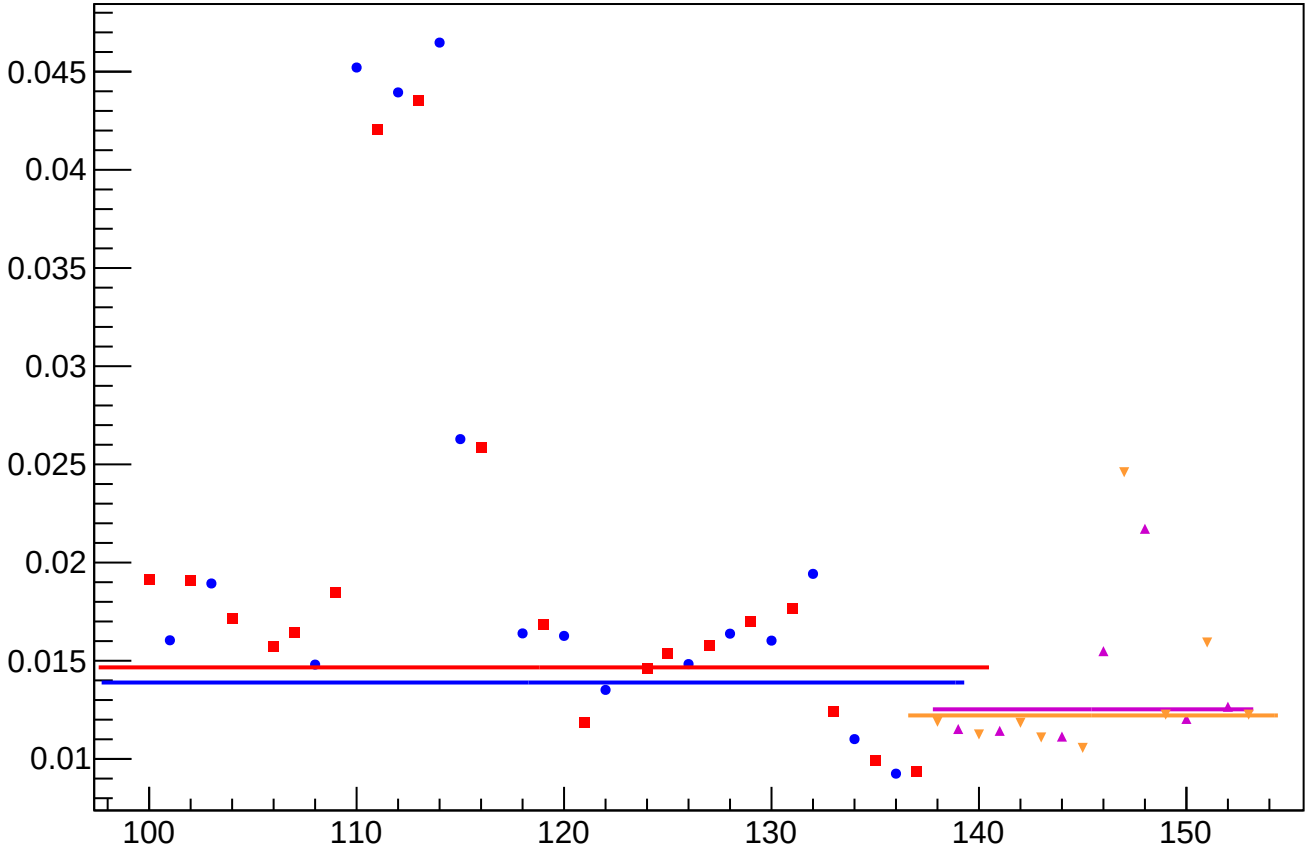
Left In: 0.664+/-0.000 χ^2/NDF:4267337.3/6

+ sign 0.753+/-0.000 χ^2/NDF: 3672828125.4/24

All: 0.766+/-0.000 χ^2/NDF: 7580985283.7/50

- sign 0.781+/-0.000 χ^2/NDF: 3881430289.0/25

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:554585.5/8

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

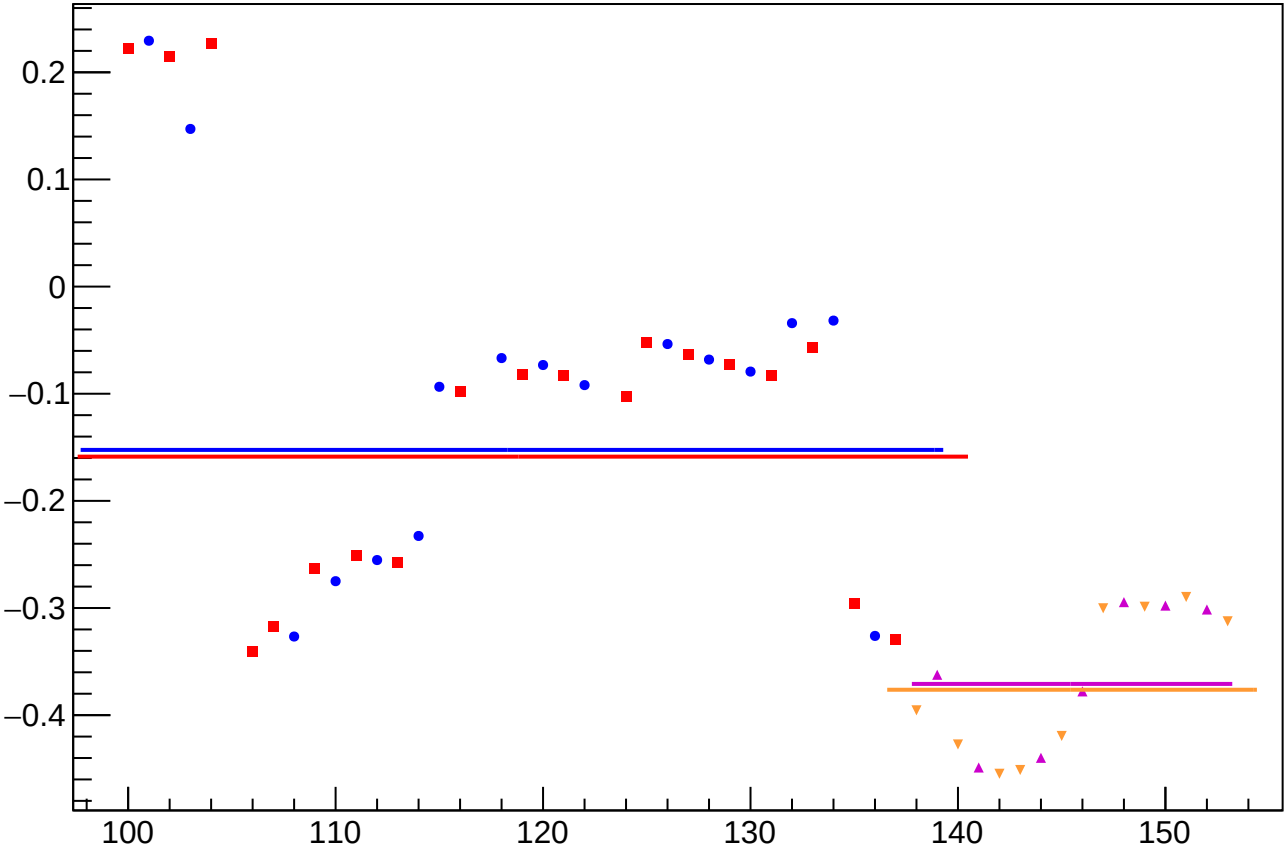
Left In: 0.013+/-0.000 χ^2/NDF:398066.3/6

+ sign 0.013+/-0.000 χ^2/NDF: 2302214.9/24

All: 0.013+/-0.000 χ^2/NDF: 4335656.6/50

- sign 0.013+/-0.000 χ^2/NDF: 2011341.4/25

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.376+/-0.000 χ^2/NDF:72993632.5/8

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

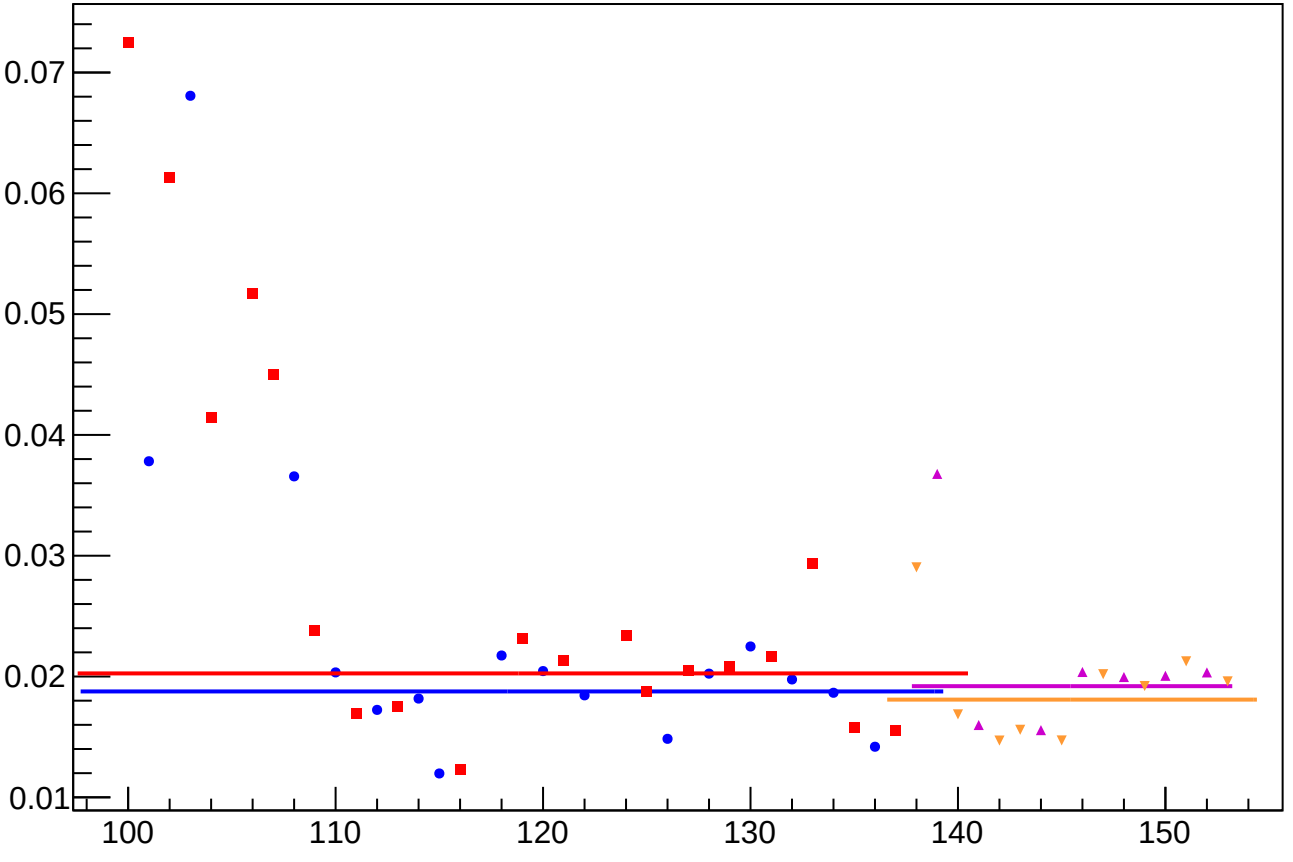
Left In: -0.371+/-0.000 χ^2/NDF:56070939.5/6

+ sign -0.269+/-0.000 χ^2/NDF: 737890114.0/24

All: -0.266+/-0.000 χ^2/NDF: 1283350475.7/5

- sign -0.263+/-0.000 χ^2/NDF: 544969180.4/25

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:380369.9/8

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

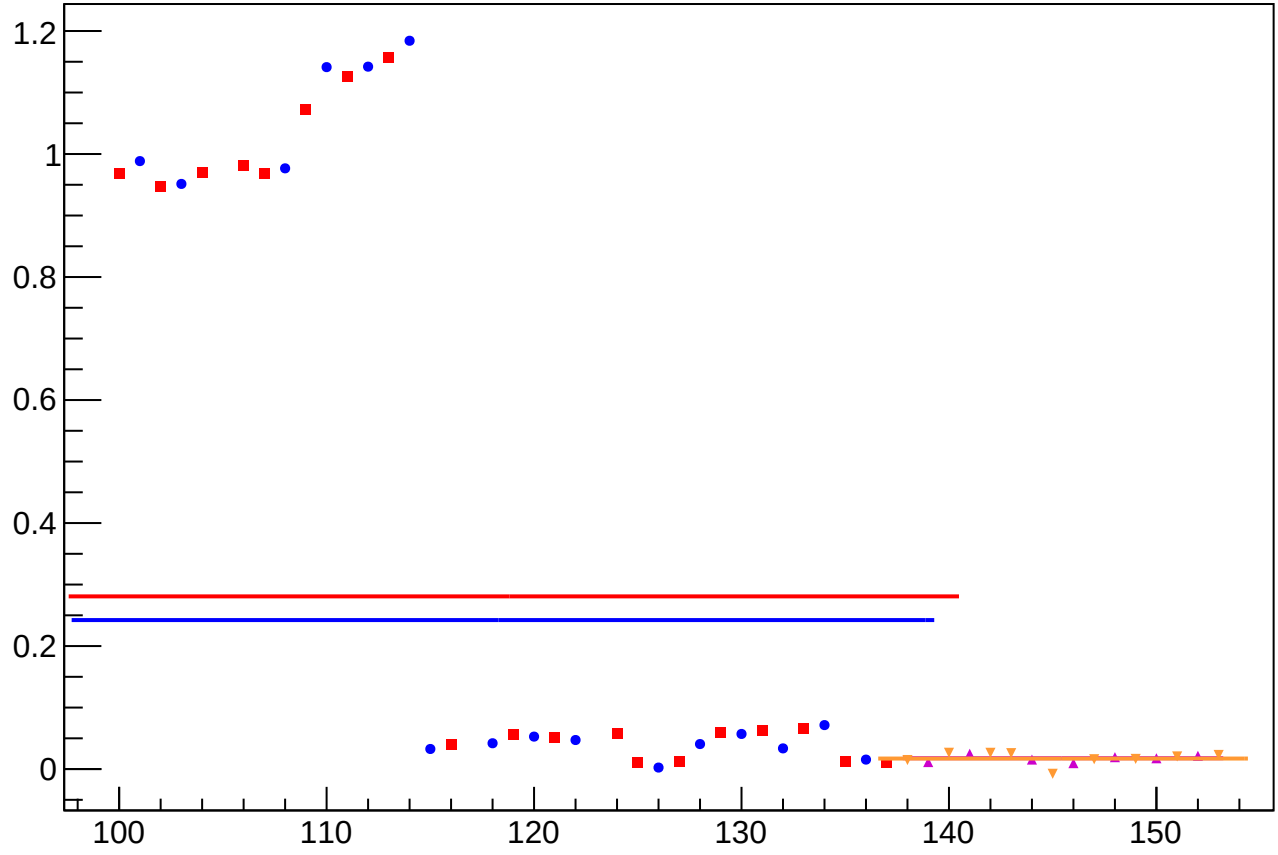
Left In: 0.019+/-0.000 χ^2/NDF:520029.5/6

+ sign 0.018+/-0.000 χ^2/NDF: 1736914.6/24

All: 0.019+/-0.000 χ^2/NDF: 3851007.7/50

- sign 0.020+/-0.000 χ^2/NDF: 2064183.1/25

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.017+/-0.000 χ^2/NDF:7177320.4/8

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

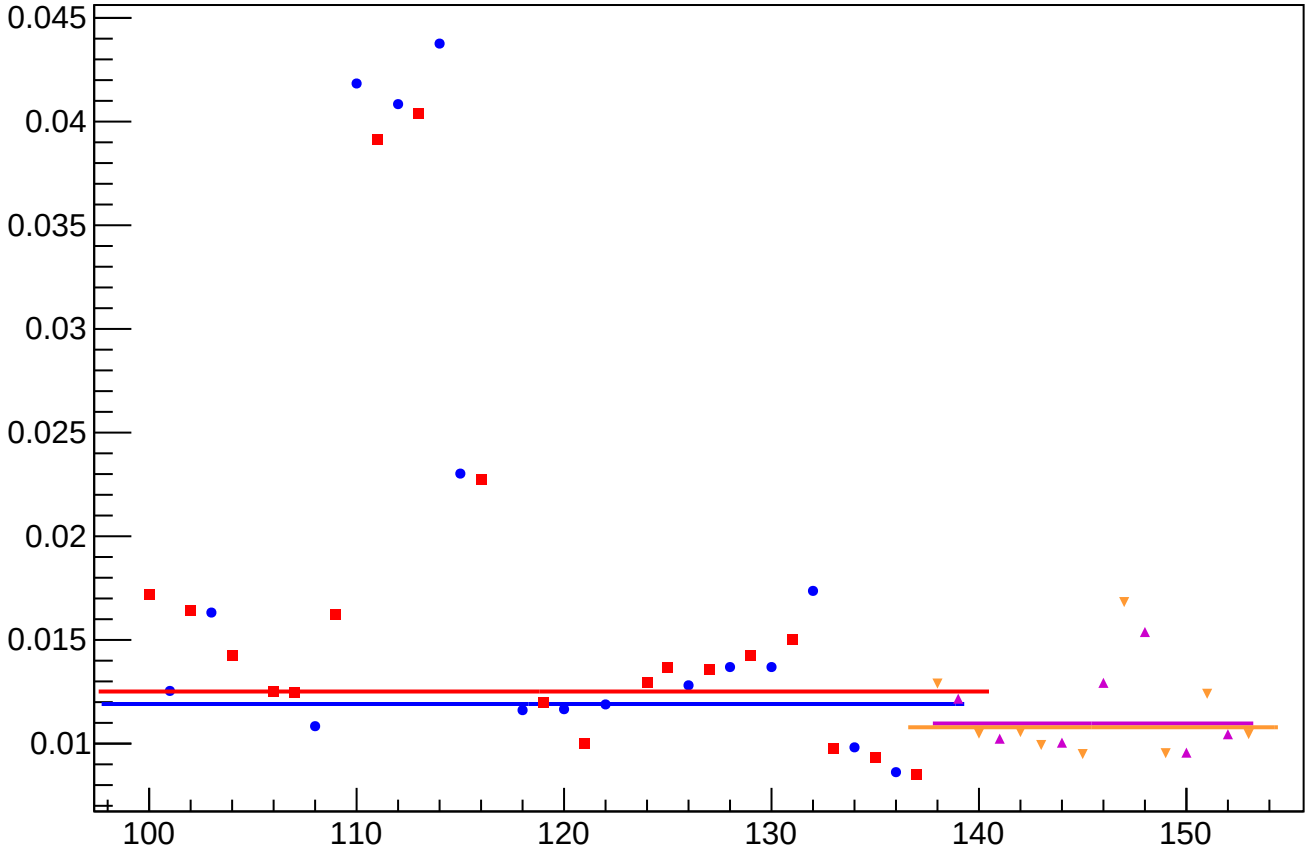
Left In: 0.018+/-0.000 χ^2/NDF:1119287.6/6

+ sign 0.114+/-0.000 χ^2/NDF: 7734834908.7/24

All: 0.124+/-0.000 χ^2/NDF: 16005717776.0/5

- sign 0.136+/-0.000 χ^2/NDF: 8246769345.9/25

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:344671.7/8

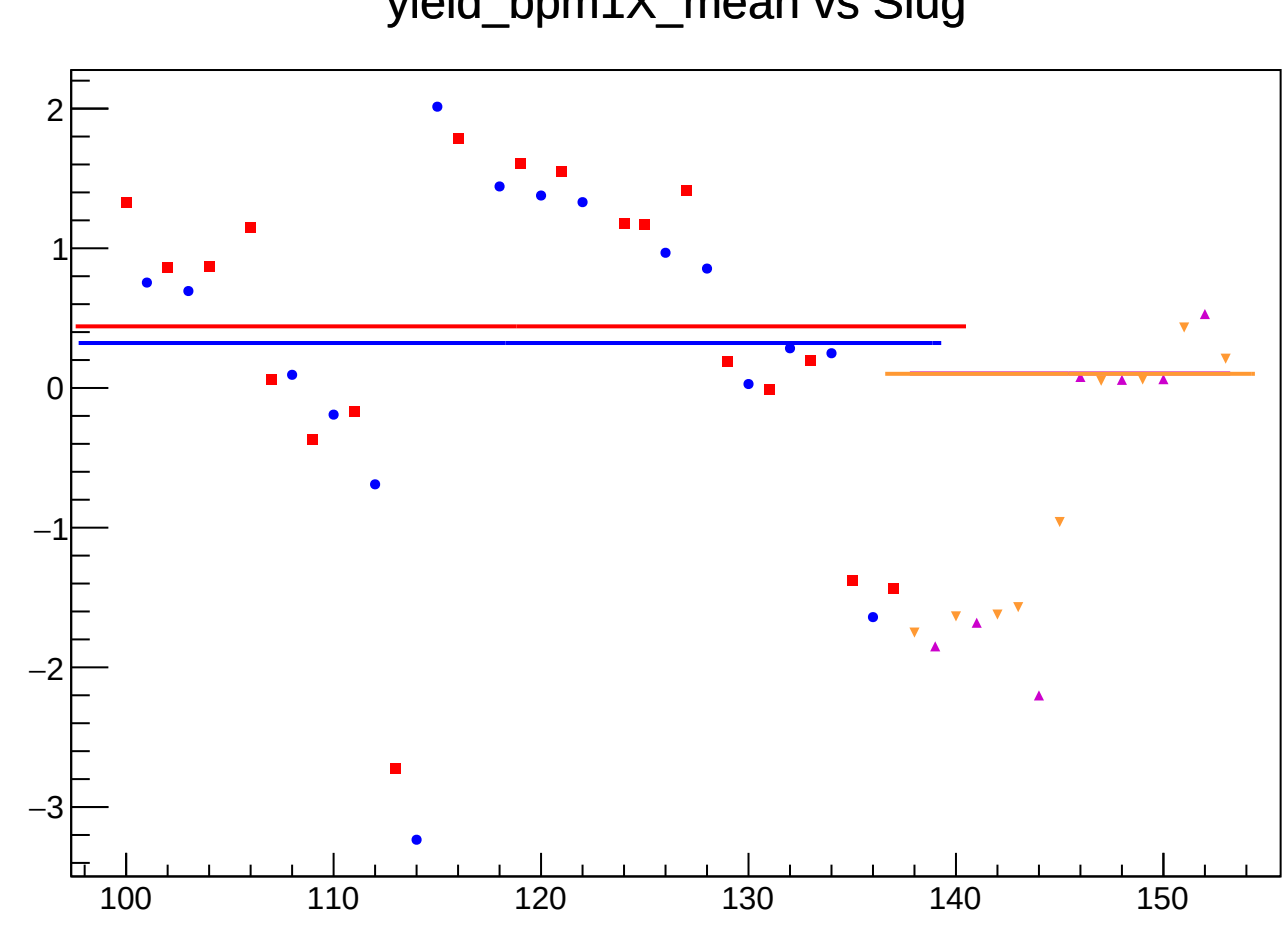
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:250190.8/6

+ sign 0.011+/-0.000 χ^2/NDF: 1864732.3/24

All: 0.011+/-0.000 χ^2/NDF: 3624273.0/50

- sign 0.012+/-0.000 χ^2/NDF: 1744978.6/25



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.101+/-0.000 χ^2/NDF:1566525790.9/8

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

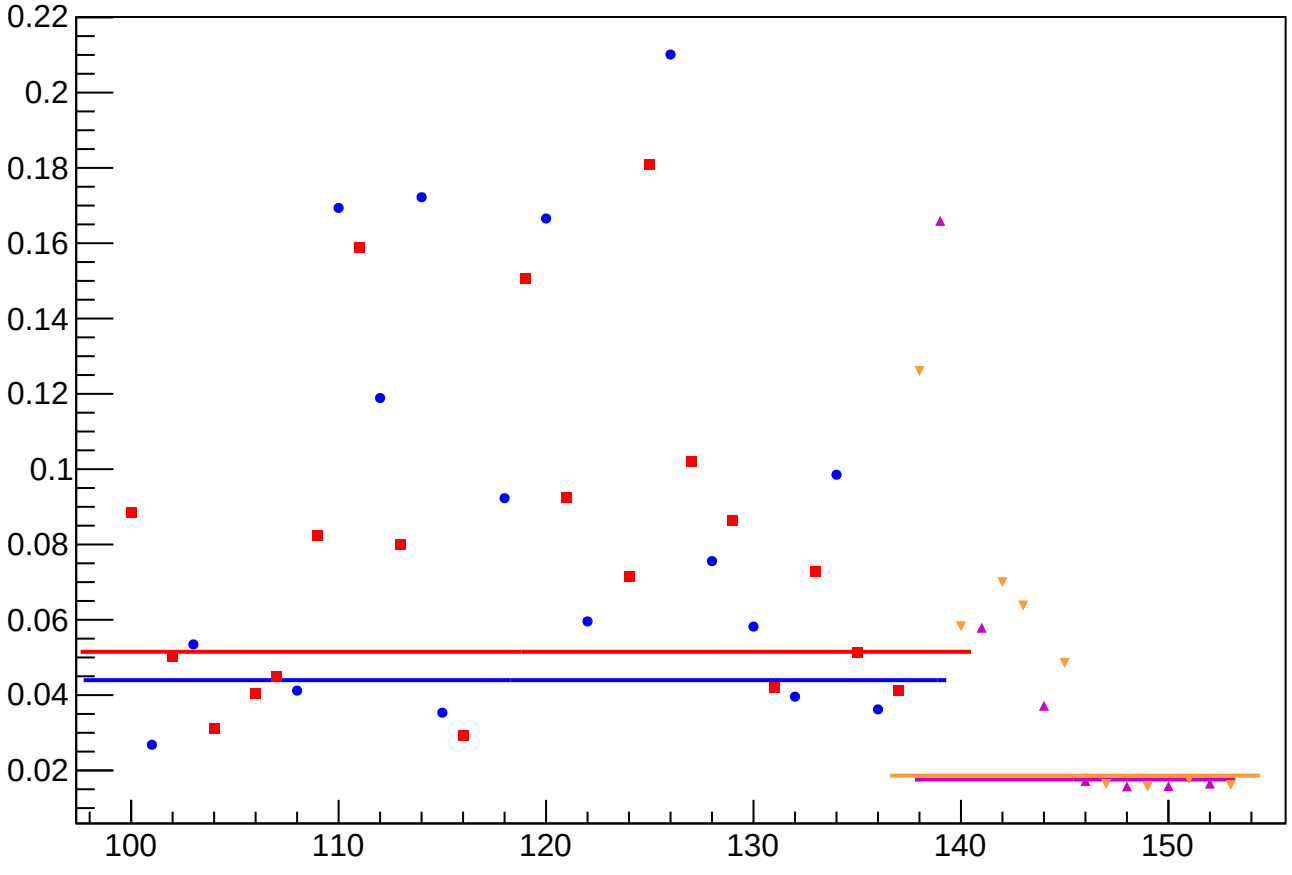
Left In: 0.104+/-0.000 χ^2/NDF:2278225445.0/6

+ sign 0.134+/-0.000 χ^2/NDF: 3313698688.4/24

All: 0.140+/-0.000 χ^2/NDF: 7553076635.7/50

- sign 0.147+/-0.000 χ^2/NDF: 4238348274.8/25

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:2630028.9/8

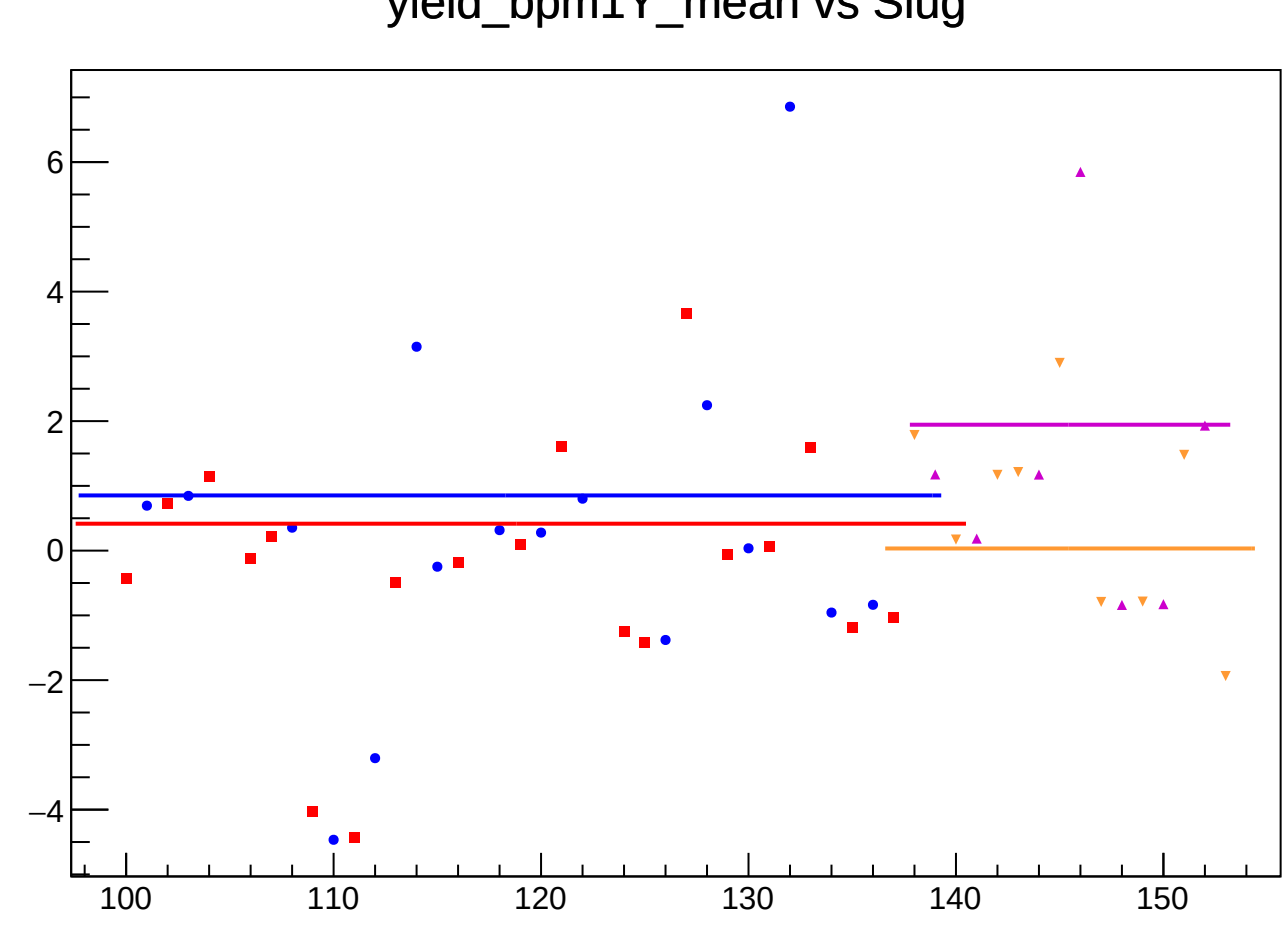
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.018+/-0.000 χ^2/NDF:1925412.7/6

+ sign 0.022+/-0.000 χ^2/NDF: 7591729.1/24

All: 0.022+/-0.000 χ^2/NDF: 15199604.9/50

- sign 0.022+/-0.000 χ^2/NDF: 7604334.6/25



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.033+/-0.000 χ^2/NDF:55363213865.5/8

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

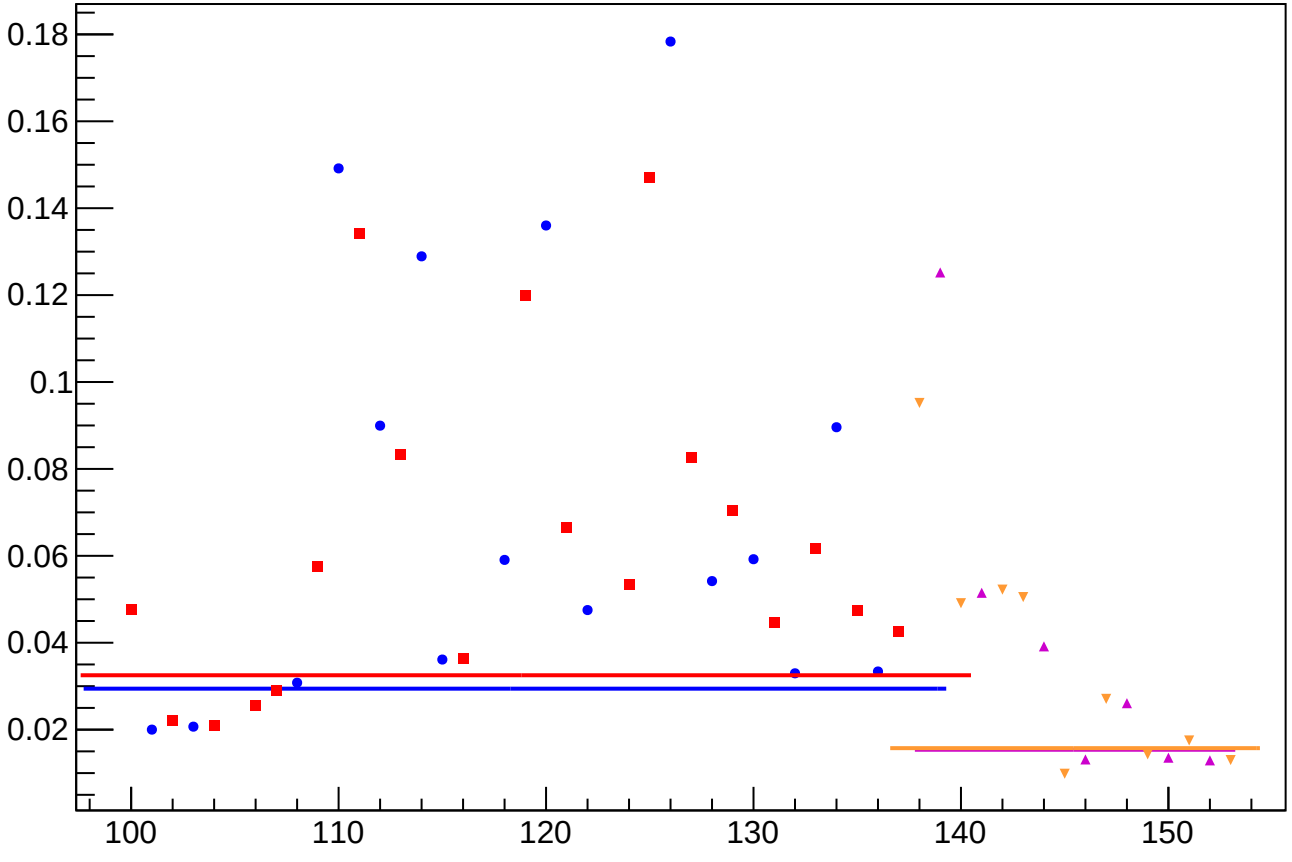
Left In: 1.944+/-0.000 χ^2/NDF:113072916764.2/6

+ sign 0.203+/-0.000 χ^2/NDF: 69204432316.0/24

All: 0.908+/-0.000 χ^2/NDF: 215507100231.1

- sign 1.642+/-0.000 χ^2/NDF: 125505867805.4/25

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2643511.1/8

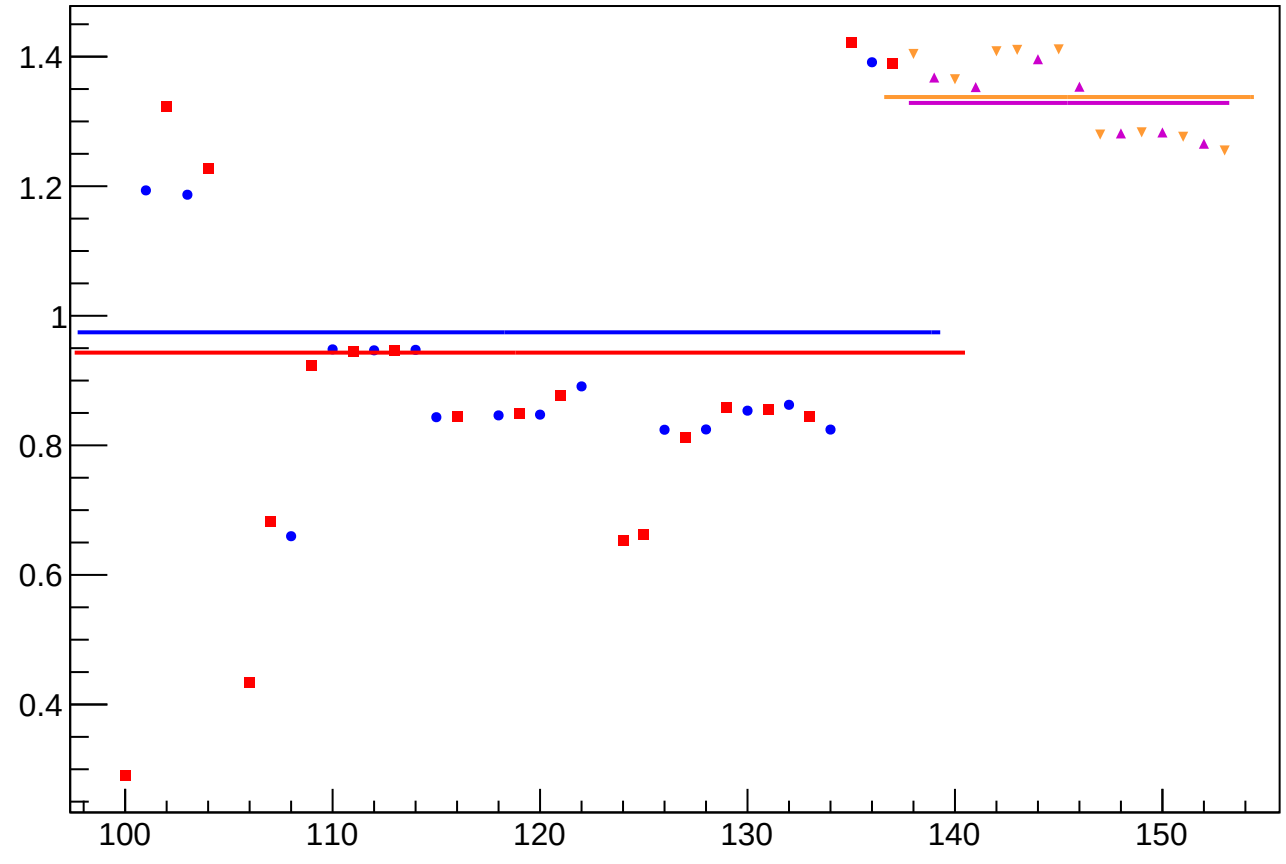
Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.015+/-0.000 χ^2/NDF:2374335.4/6

+ sign 0.019+/-0.000 χ^2/NDF: 7100989.1/24

All: 0.019+/-0.000 χ^2/NDF: 14630376.5/50

- sign 0.019+/-0.000 χ^2/NDF: 7528665.6/25



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.338+/-0.000 χ^2/NDF:153983122.6/8

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

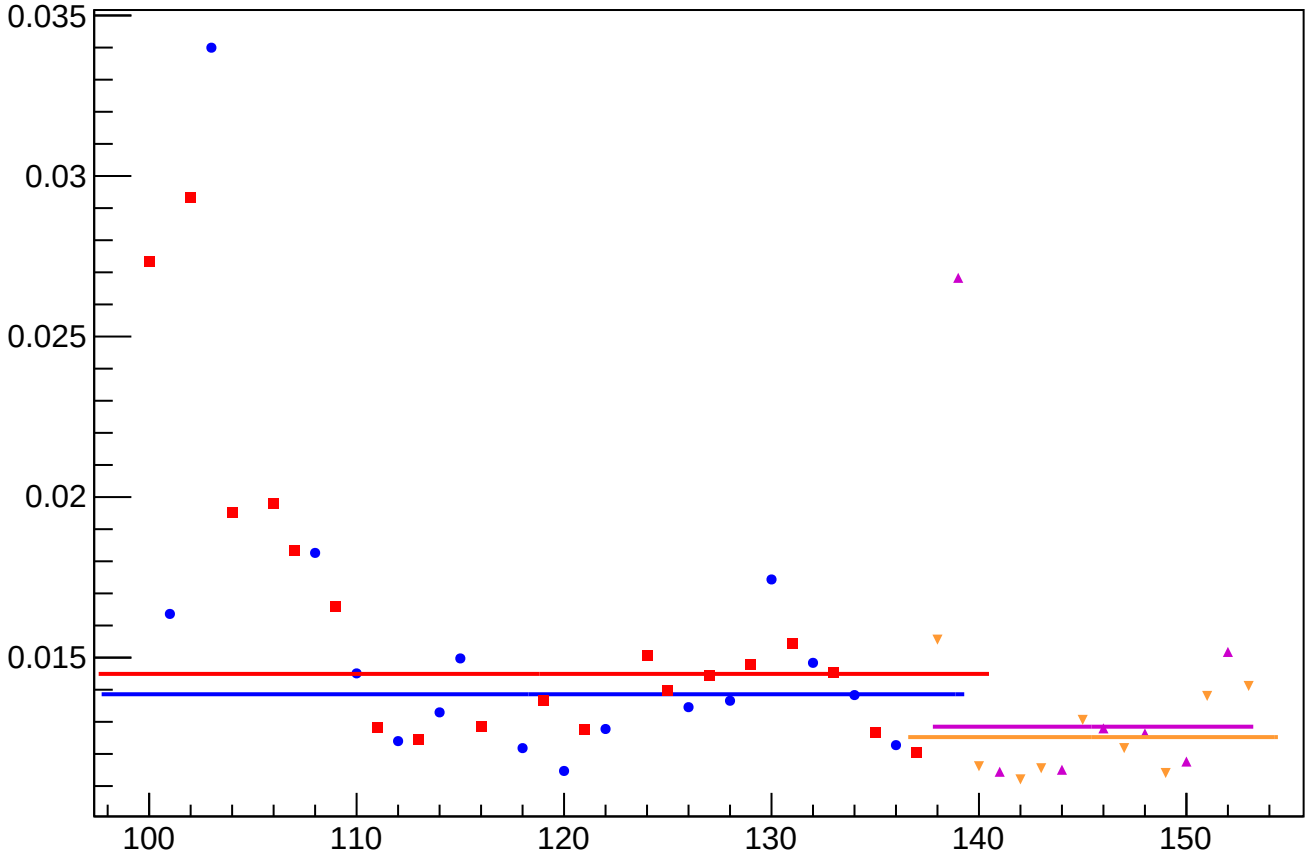
Left In: 1.329+/-0.000 χ^2/NDF:72207236.9/6

+ sign 1.171+/-0.000 χ^2/NDF: 3924622055.0/24

All: 1.156+/-0.000 χ^2/NDF: 8014176971.9/50

- sign 1.140+/-0.000 χ^2/NDF: 4057040098.6/25

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:126795.2/8

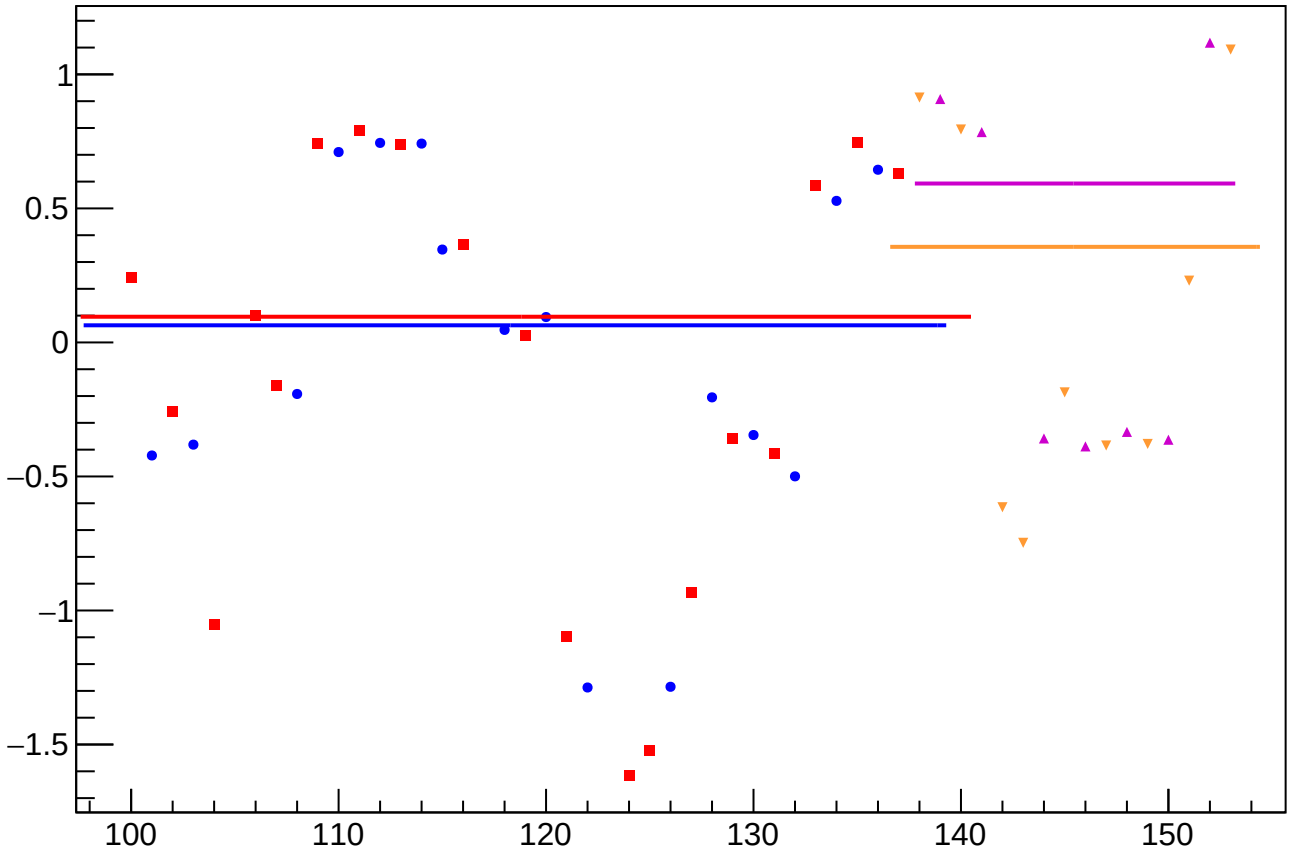
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:535527.6/6

+ sign 0.013+/-0.000 χ^2/NDF: 789199.1/24

All: 0.013+/-0.000 χ^2/NDF: 1971027.3/50

- sign 0.014+/-0.000 χ^2/NDF: 1164101.3/25



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.357+/-0.000 χ^2/NDF:21731181667.0/8

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

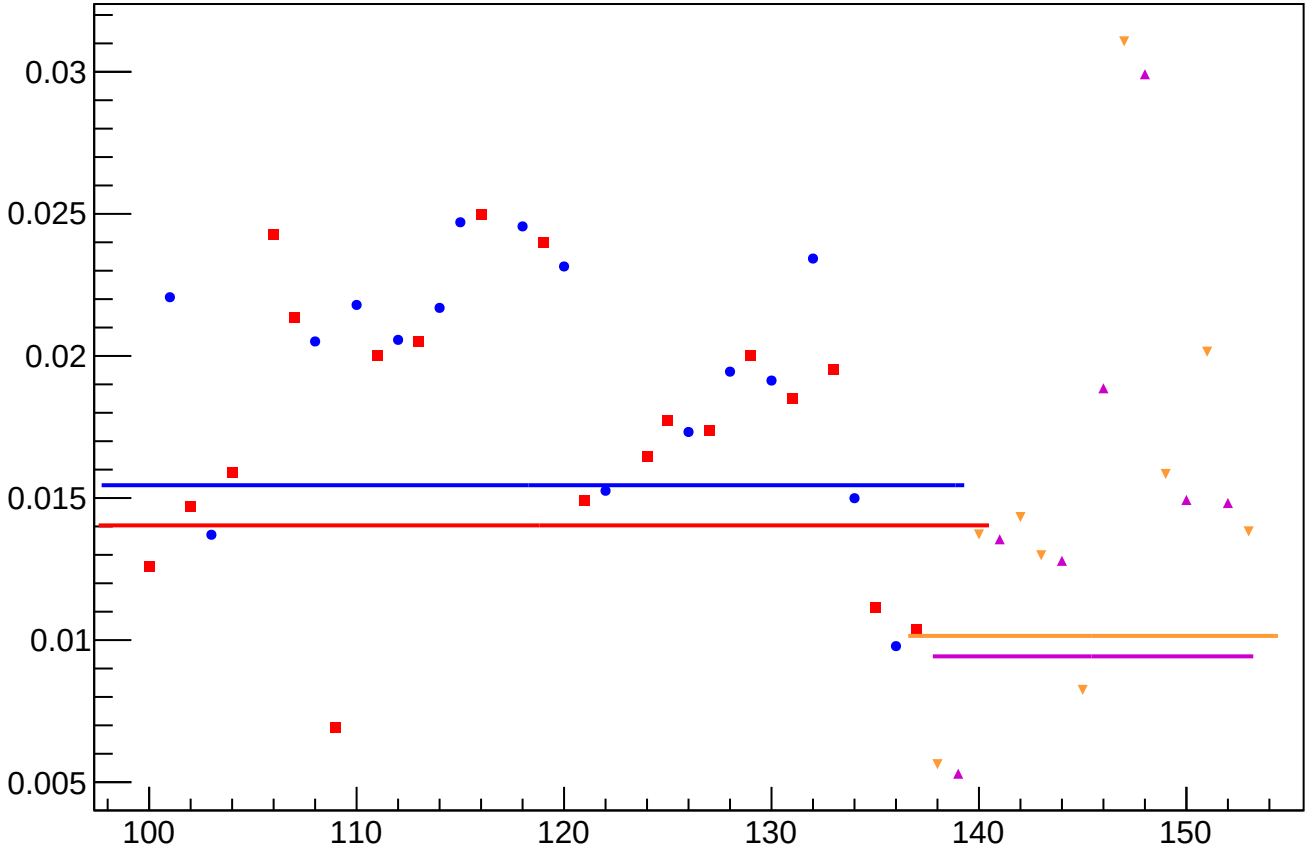
Left In: 0.593+/-0.000 χ^2/NDF:15295934225.9/6

+ sign 0.259+/-0.000 χ^2/NDF: 34202718946.3/24

All: 0.333+/-0.000 χ^2/NDF: 72679451407.0/5

- sign 0.405+/-0.000 χ^2/NDF: 37658530588.7/25

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:2527605.7/8

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

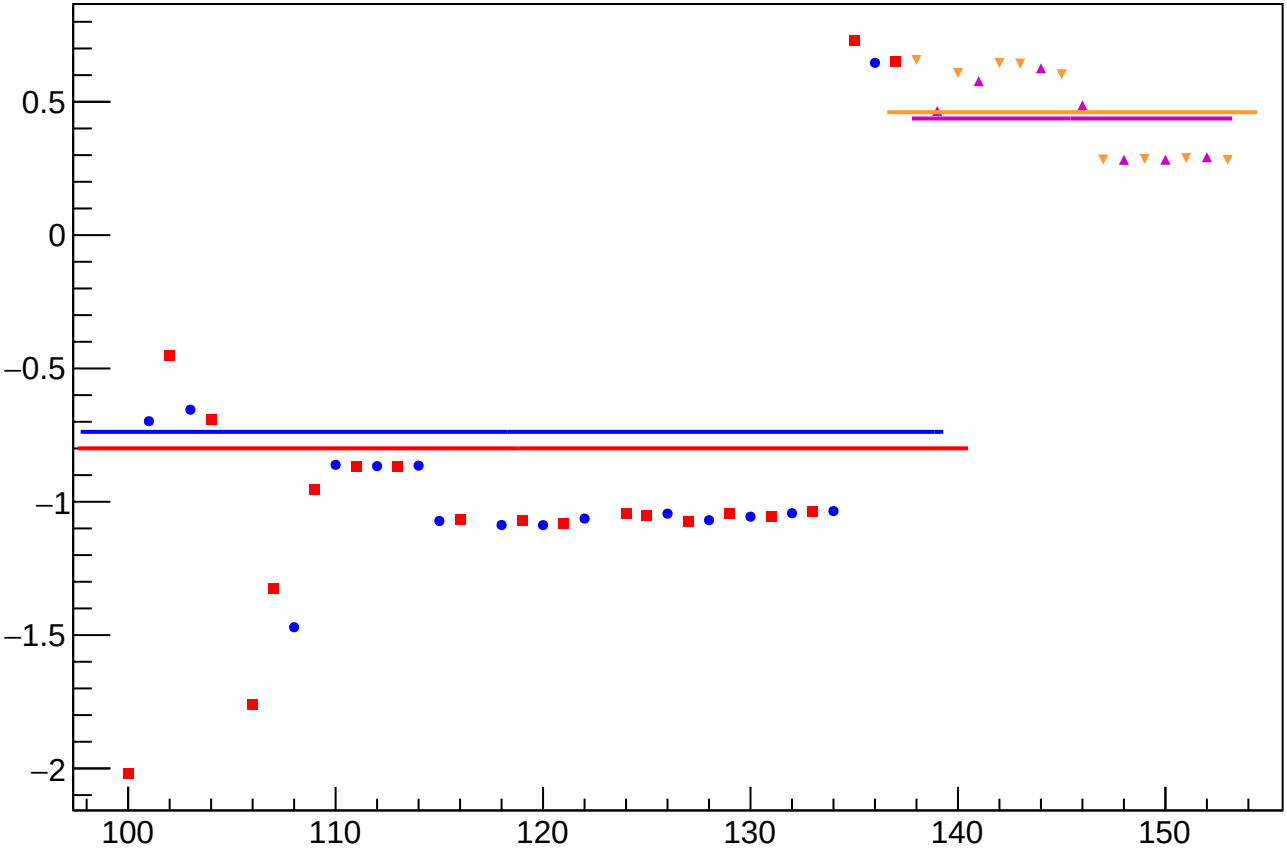
Left In: 0.009+/-0.000 χ^2/NDF:2825180.2/6

+ sign 0.012+/-0.000 χ^2/NDF: 4763863.3/24

All: 0.012+/-0.000 χ^2/NDF: 10105909.0/50

- sign 0.011+/-0.000 χ^2/NDF: 5299281.3/25

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.461+/-0.000 χ^2/NDF:173059513.9/8

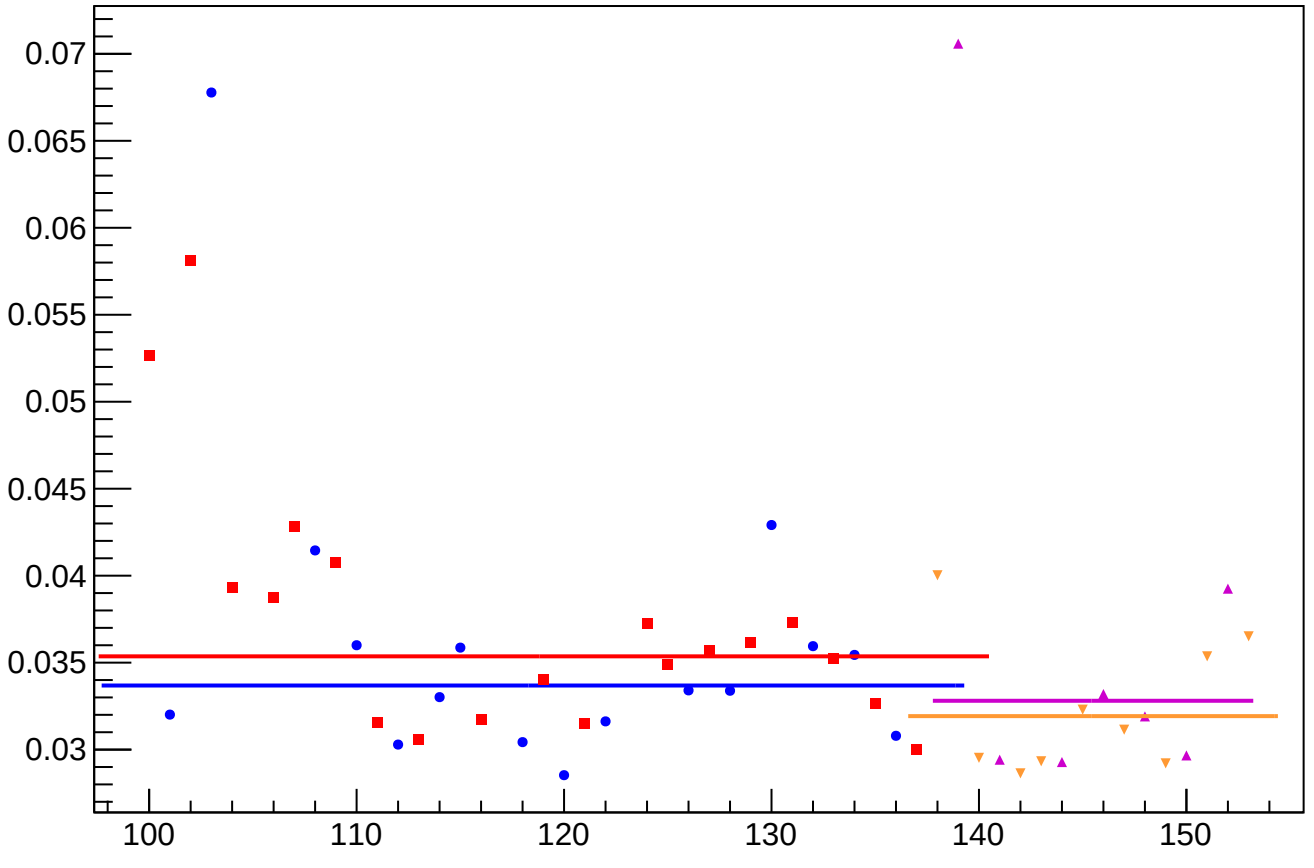
Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.437+/-0.000 χ^2/NDF:102334366.6/6

+ sign -0.123+/-0.000 χ^2/NDF: 6337226683.2/24

All: -0.160+/-0.000 χ^2/NDF: 12185107328.7/

- sign -0.201+/-0.000 χ^2/NDF: 5815696943.2/25



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.032+/-0.000 χ^2/NDF:133711.0/8

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

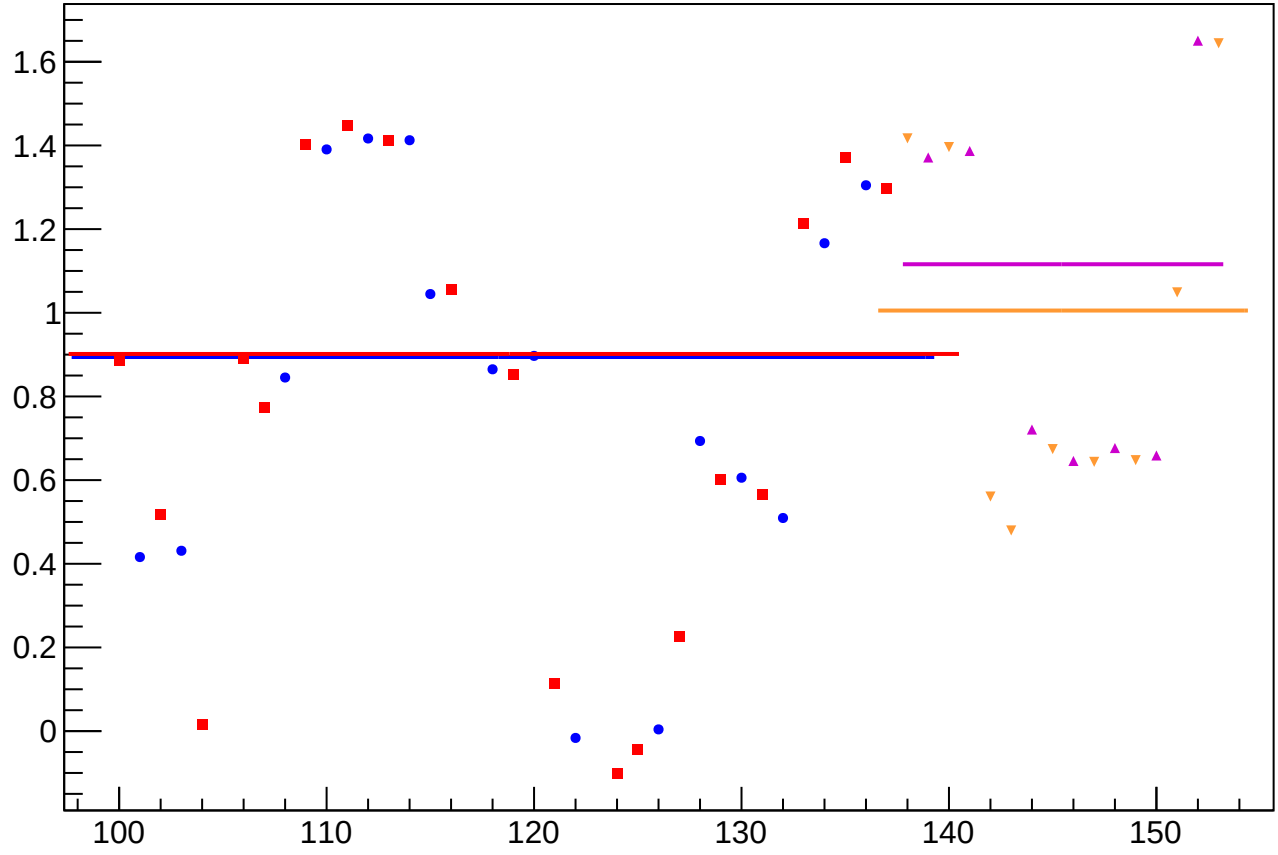
Left In: 0.033+/-0.000 χ^2/NDF:568072.6/6

+ sign 0.033+/-0.000 χ^2/NDF: 571576.9/24

All: 0.033+/-0.000 χ^2/NDF: 1487893.4/50

- sign 0.034+/-0.000 χ^2/NDF: 897082.6/25

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.005+/-0.000 χ^2/NDF:14350410064.7/8

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

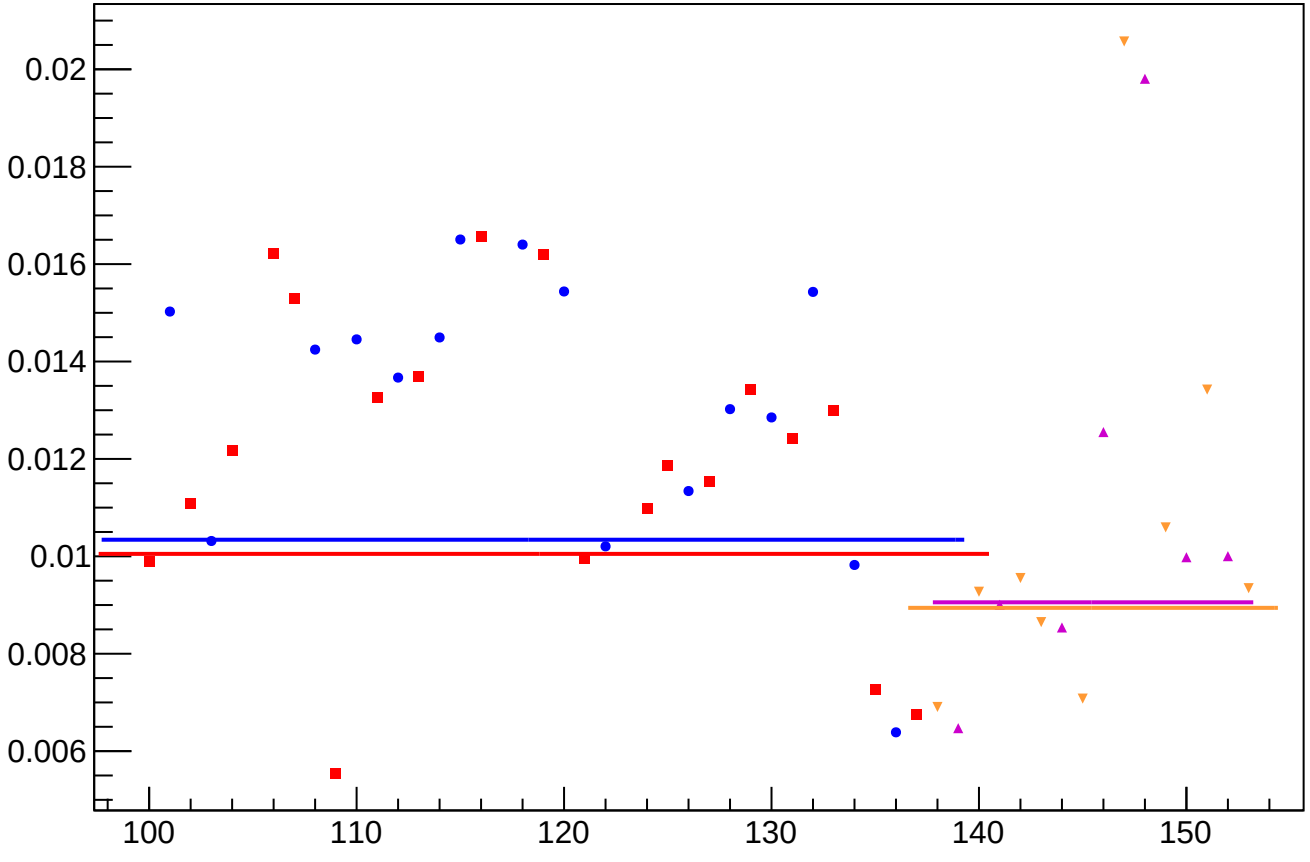
Left In: 1.116+/-0.000 χ^2/NDF:9543676619.4/6

+ sign 0.959+/-0.000 χ^2/NDF: 27499189578.9/24

All: 0.985+/-0.000 χ^2/NDF: 56562871762.7/5

- sign 1.013+/-0.000 χ^2/NDF: 28875130166.0/25

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:958924.8/8

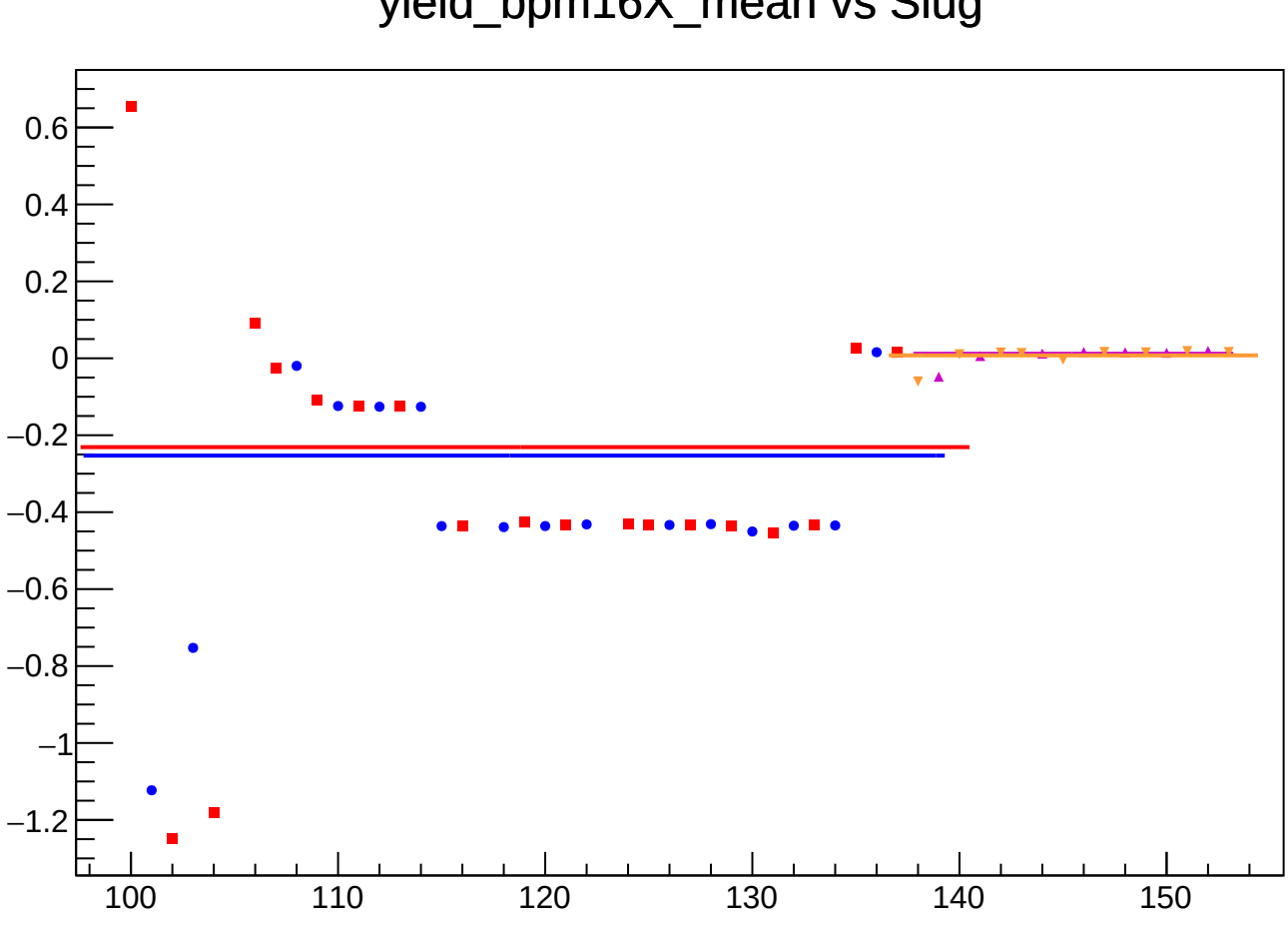
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:870410.2/6

+ sign 0.010+/-0.000 χ^2/NDF: 2435978.0/24

All: 0.010+/-0.000 χ^2/NDF: 4705094.3/50

- sign 0.010+/-0.000 χ^2/NDF: 2269113.2/25



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:20569459.7/8

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

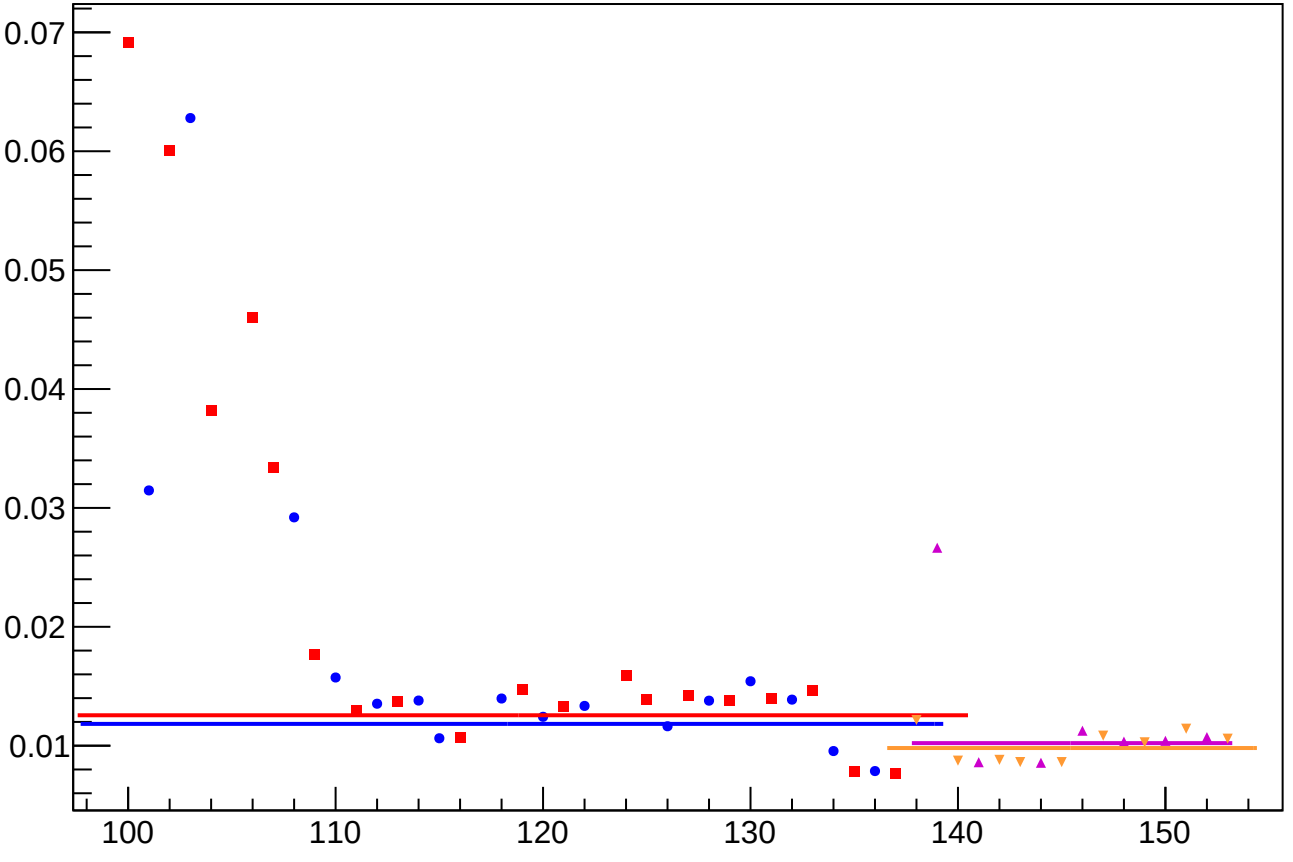
Left In: 0.012+/-0.000 χ^2/NDF:5136810.2/6

+ sign -0.091+/-0.000 χ^2/NDF: 3540210790.9/24

All: -0.090+/-0.000 χ^2/NDF: 6458255353.8/5

- sign -0.088+/-0.000 χ^2/NDF: 2917485658.6/25

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:168076.7/8

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

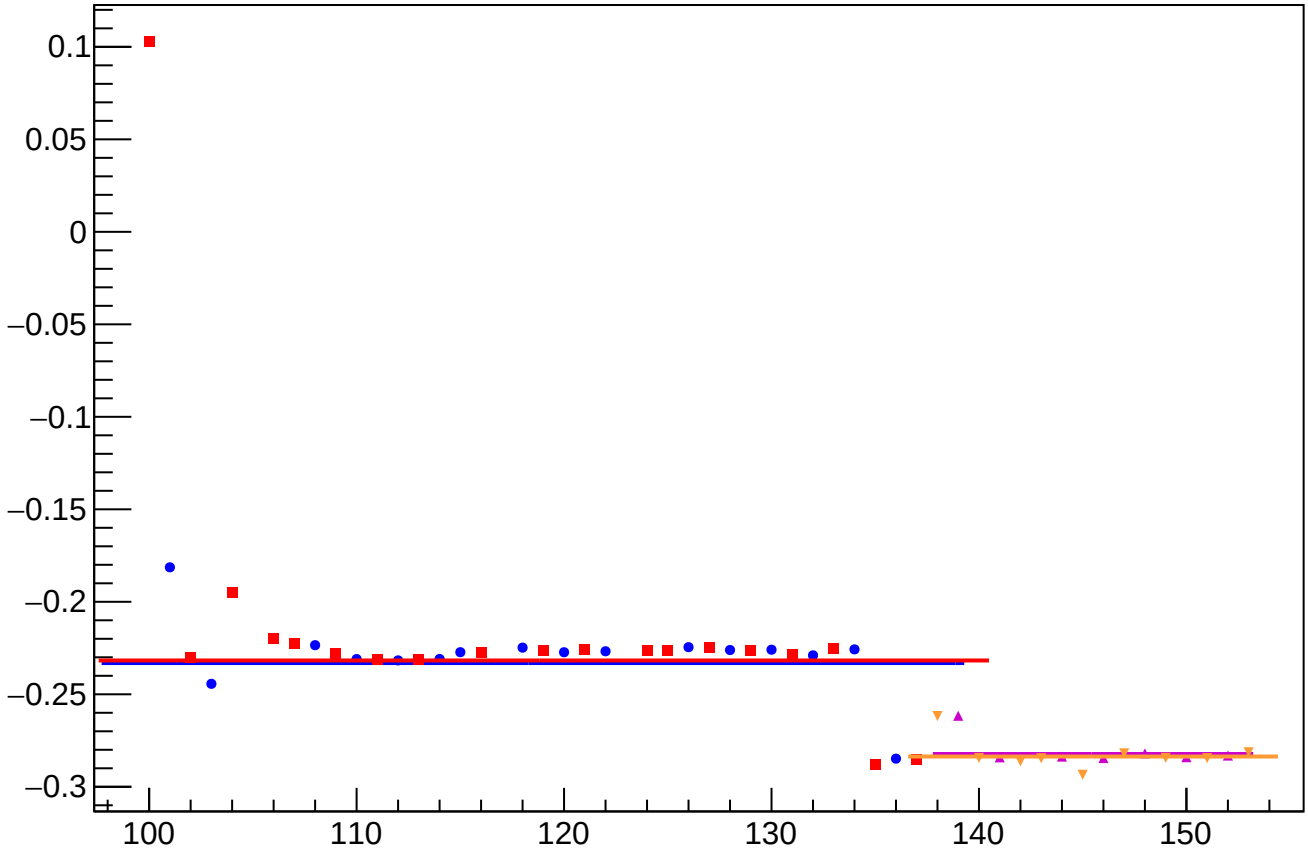
Left In: 0.010+/-0.000 χ^2/NDF:748720.7/6

+ sign 0.011+/-0.000 χ^2/NDF: 2292113.3/24

All: 0.011+/-0.000 χ^2/NDF: 5494616.6/50

- sign 0.011+/-0.000 χ^2/NDF: 3171759.0/25

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:14639358.1/8

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

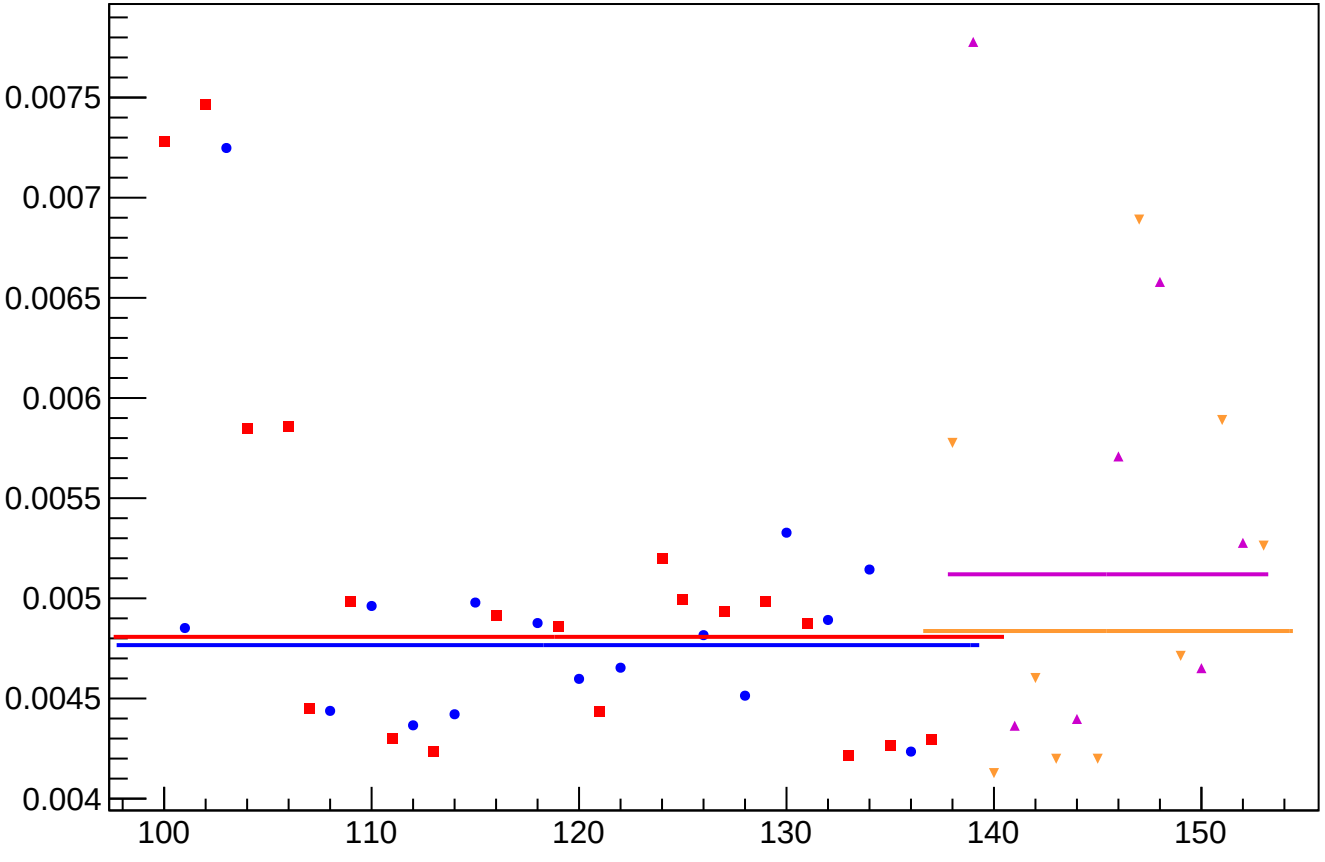
Left In: -0.282+/-0.000 χ^2/NDF:6136487.7/6

+ sign -0.258+/-0.000 χ^2/NDF: 567874810.0/24

All: -0.256+/-0.000 χ^2/NDF: 1179870486.2/5

- sign -0.253+/-0.000 χ^2/NDF: 605873697.0/25

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:357868.0/8

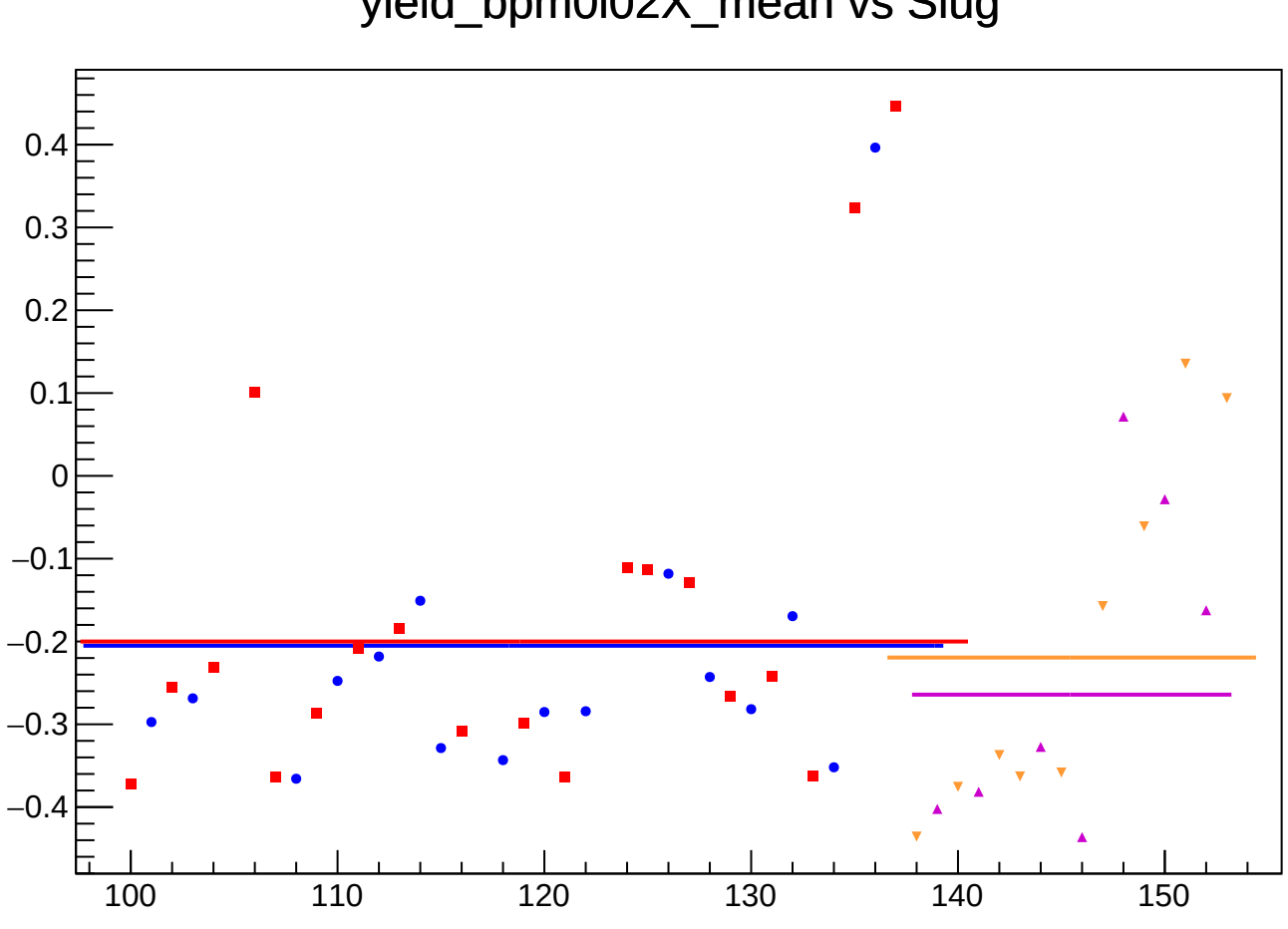
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:394382.0/6

+ sign 0.005+/-0.000 χ^2/NDF: 551004.1/24

All: 0.005+/-0.000 χ^2/NDF: 1273036.5/50

- sign 0.005+/-0.000 χ^2/NDF: 711952.7/25



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.219+/-0.000 χ^2/NDF:9559133873.4/8

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

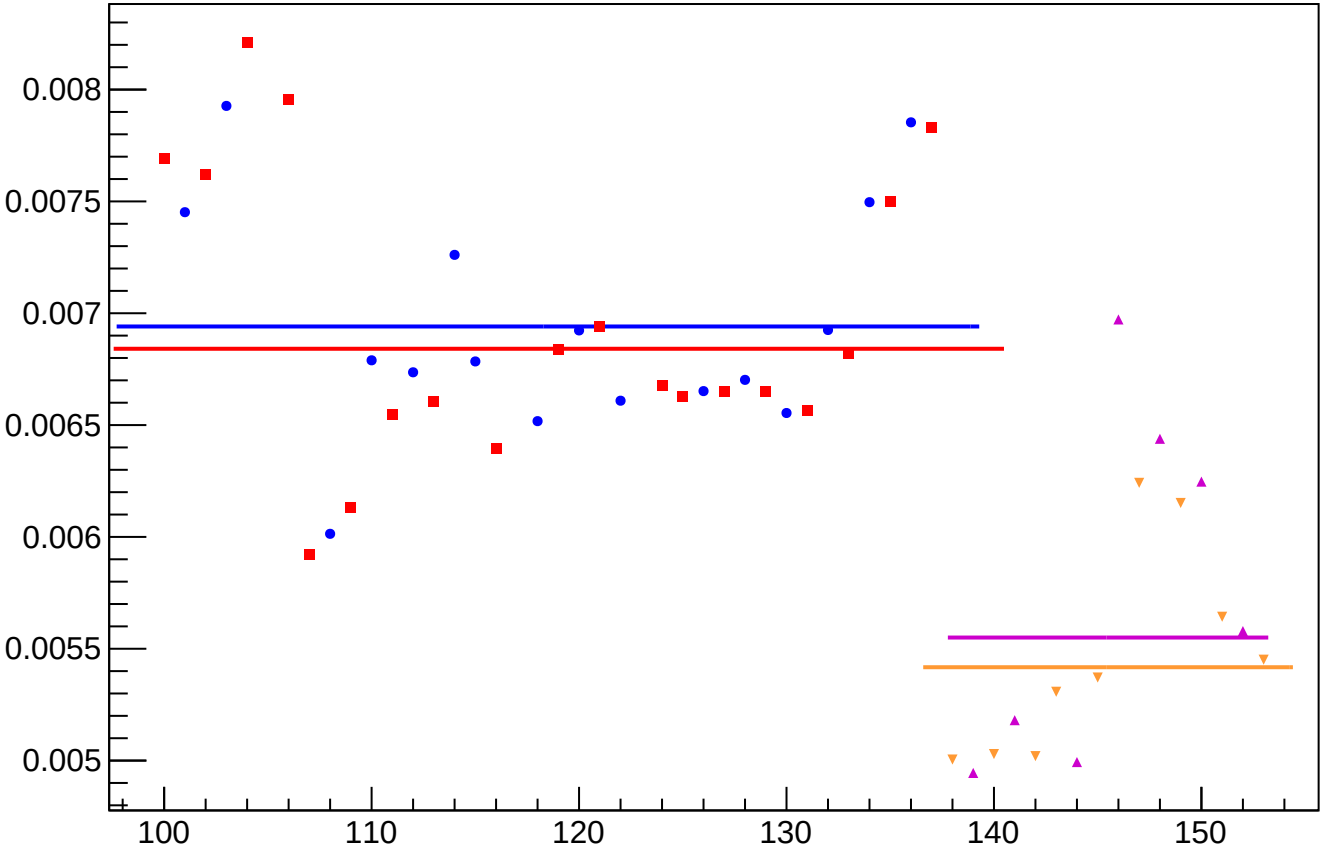
Left In: -0.264+/-0.000 χ^2/NDF:4951472705.1/6

+ sign -0.214+/-0.000 χ^2/NDF: 15766268795.4/24

All: -0.224+/-0.000 χ^2/NDF: 26380966840.7/

- sign -0.234+/-0.000 χ^2/NDF: 10540580637.7/25

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:74533.1/8

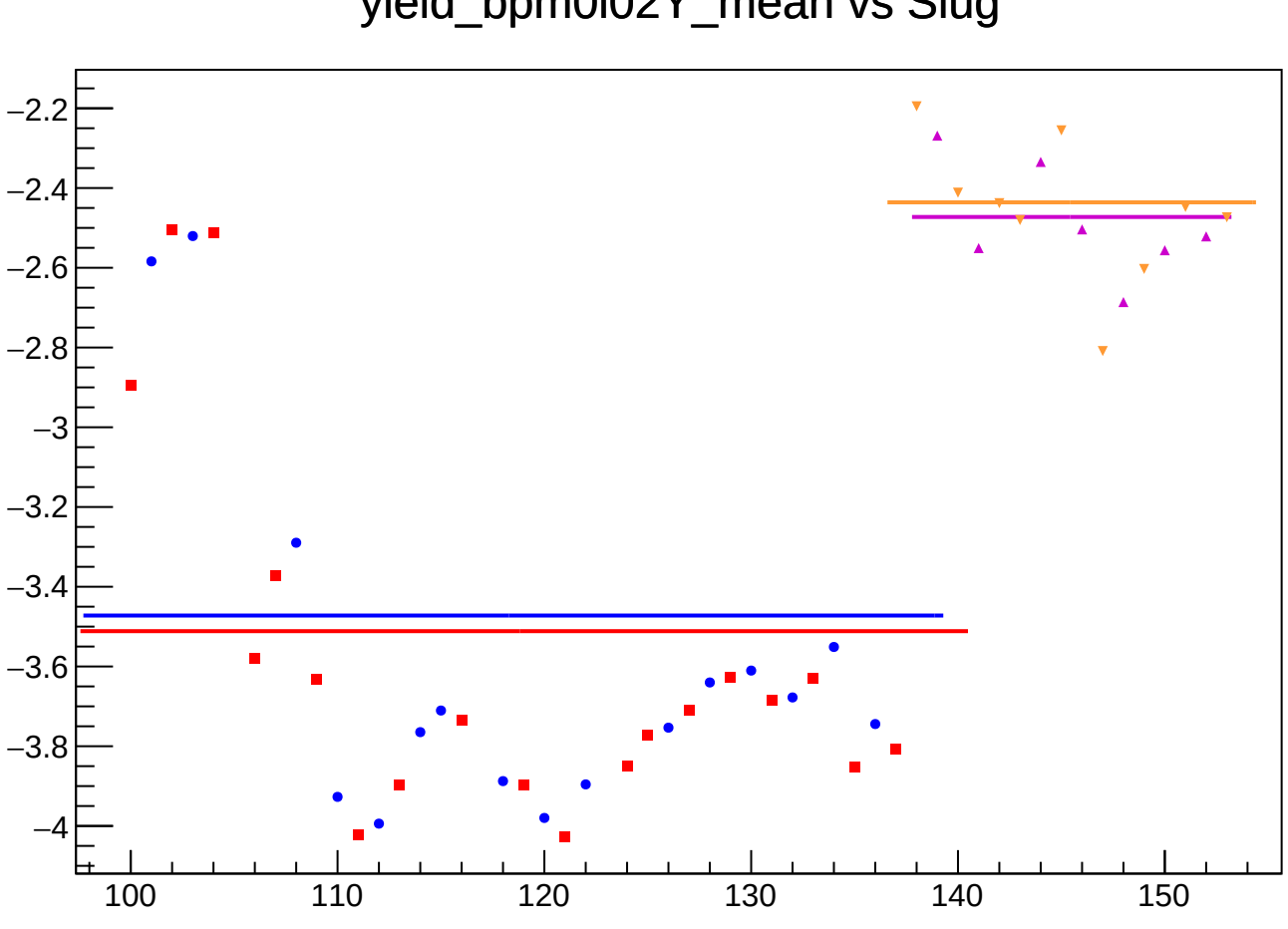
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:160953.5/6

+ sign 0.006+/-0.000 χ^2/NDF: 566333.3/24

All: 0.006+/-0.000 χ^2/NDF: 1107190.1/50

- sign 0.006+/-0.000 χ^2/NDF: 535509.5/25



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.436+/-0.000 χ^2/NDF:1392680639.5/8

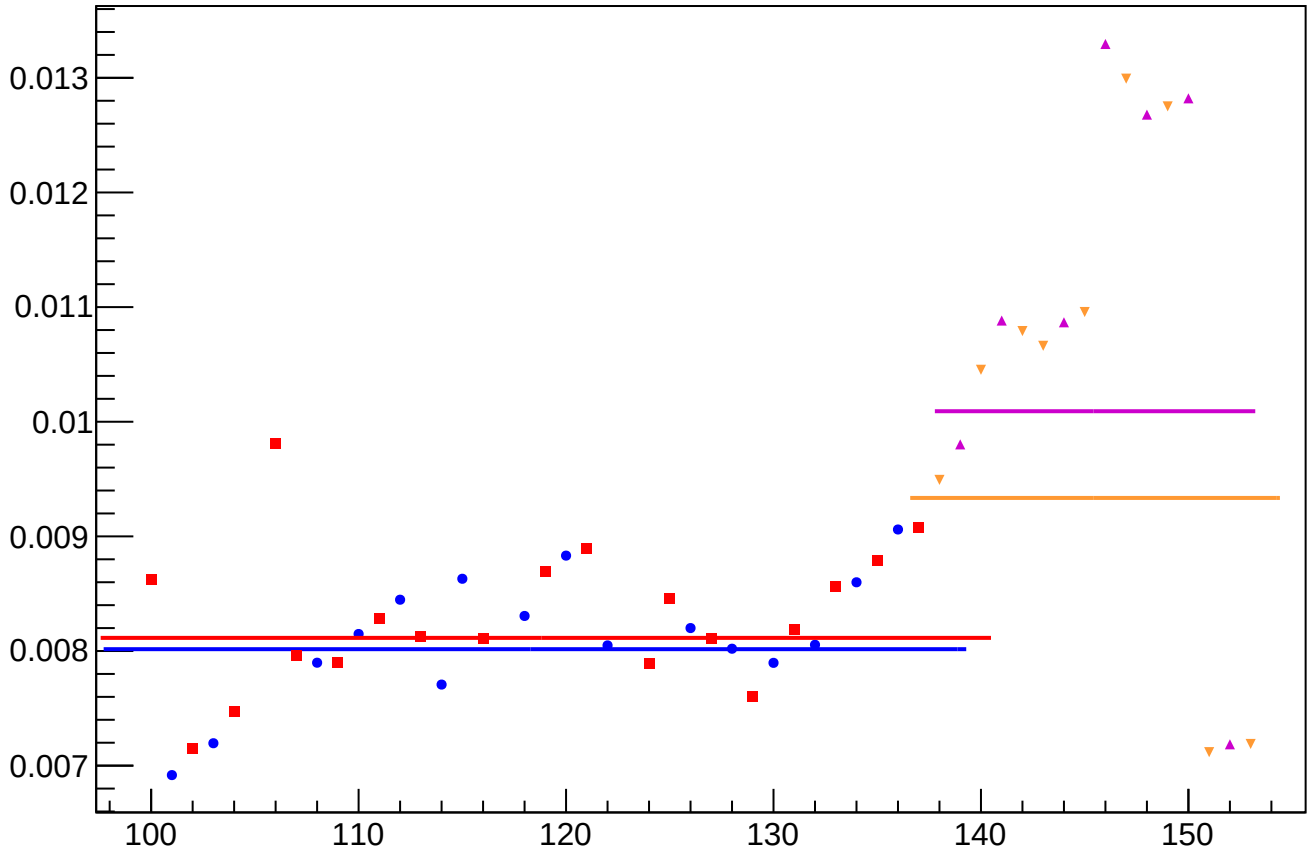
Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.473+/-0.000 χ^2/NDF:821096362.2/6

+ sign -3.066+/-0.000 χ^2/NDF: 76751721394.9/24

All: -3.117+/-0.000 χ^2/NDF: 146193345793.2

- sign -3.173+/-0.000 χ^2/NDF: 68467461320.4/25



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:574714.7/8

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

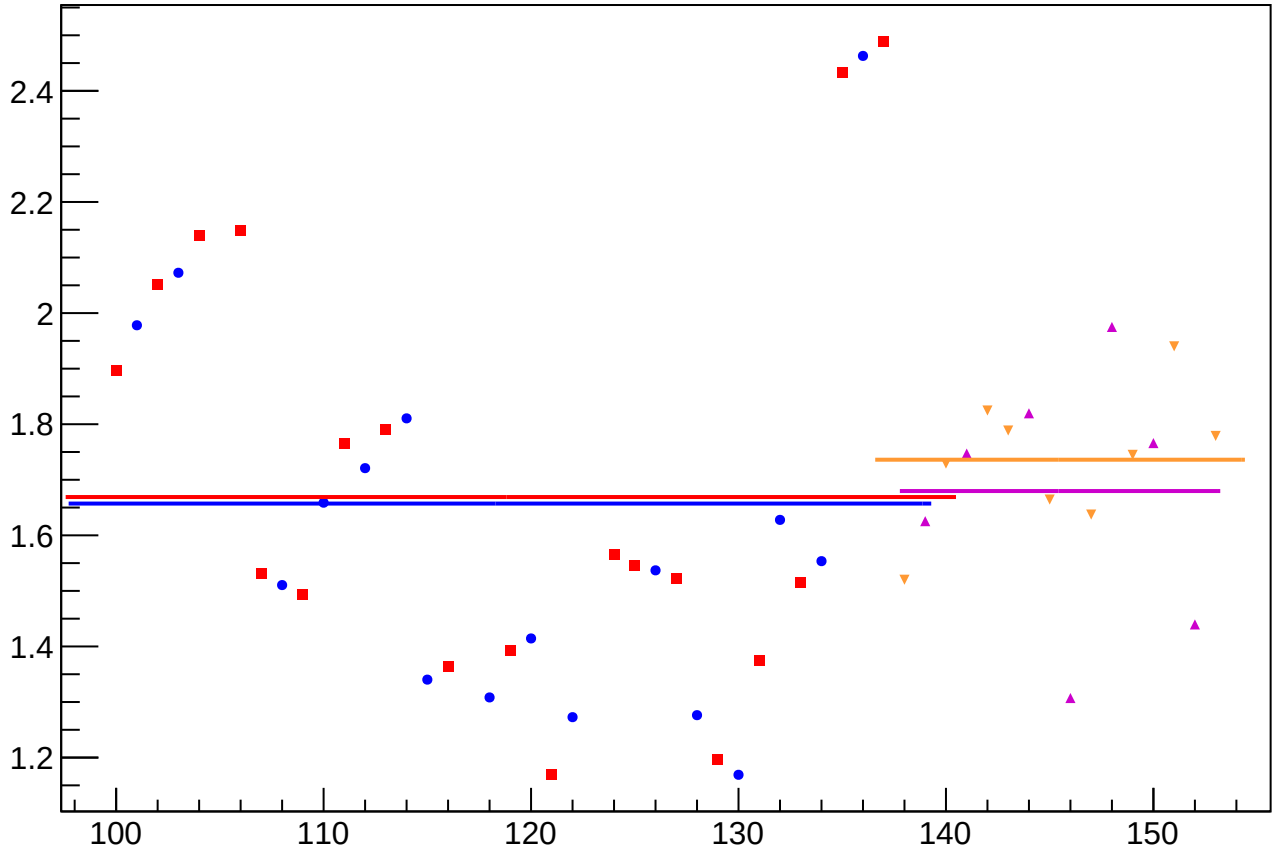
Left In: 0.010+/-0.000 χ^2/NDF:493078.4/6

+ sign 0.009+/-0.000 χ^2/NDF: 809293.1/24

All: 0.009+/-0.000 χ^2/NDF: 1656761.6/50

- sign 0.009+/-0.000 χ^2/NDF: 838936.1/25

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.736+/-0.000 χ^2/NDF:707045781.6/8

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

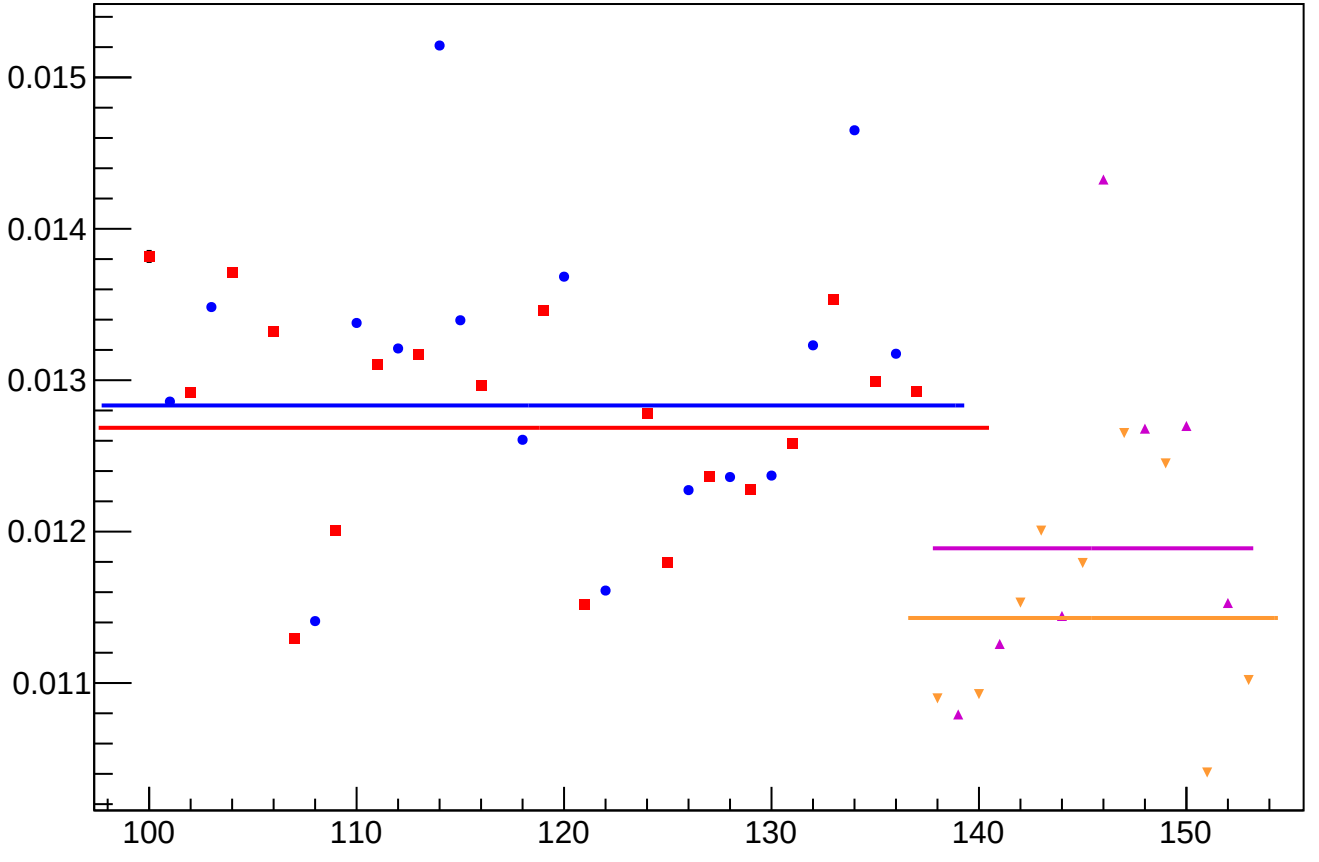
Left In: 1.680+/-0.000 χ^2/NDF:1481224113.4/6

+ sign 1.700+/-0.000 χ^2/NDF: 7517122684.4/24

All: 1.688+/-0.000 χ^2/NDF: 15388241418.8/5

- sign 1.674+/-0.000 χ^2/NDF: 7841270066.9/25

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:53325.0/8

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

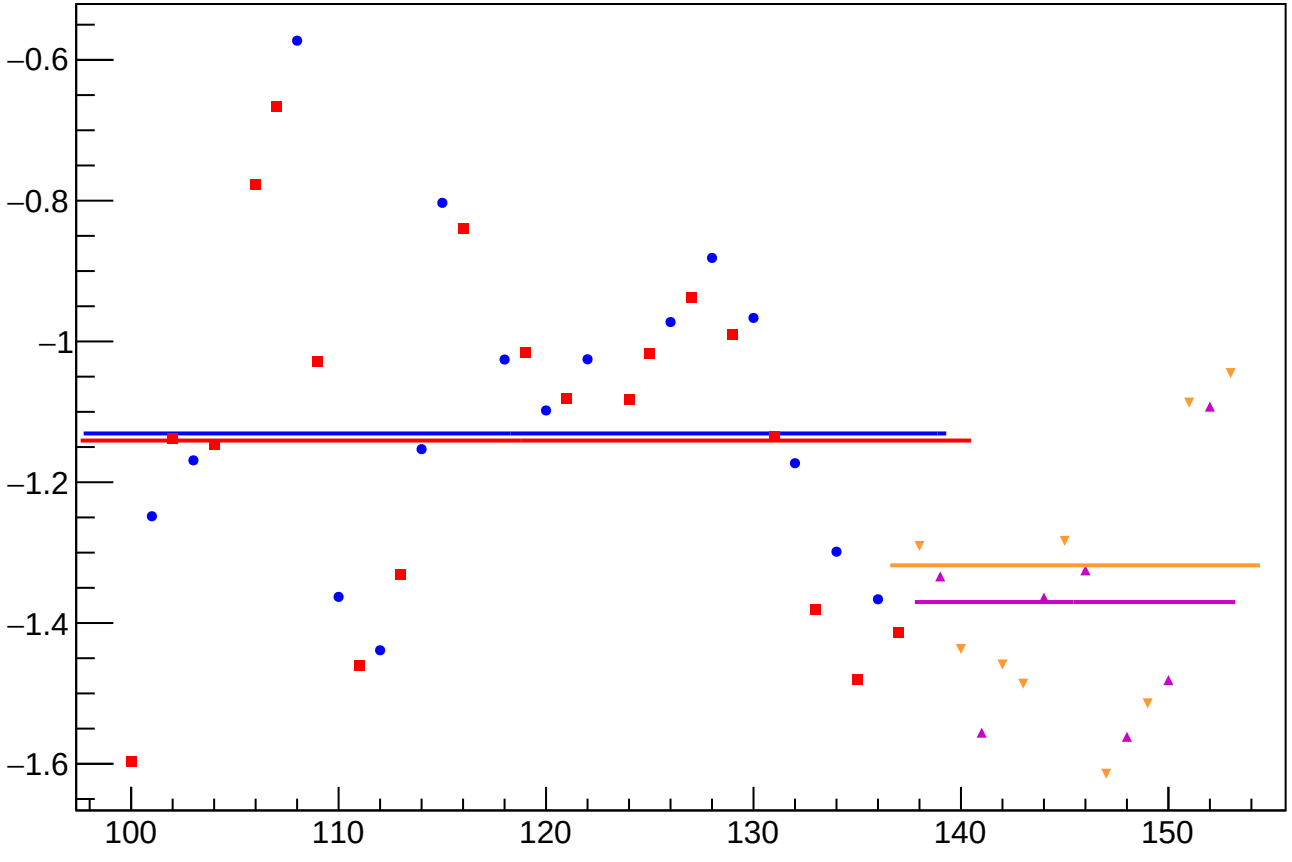
Left In: 0.012+/-0.000 χ^2/NDF:84447.0/6

+ sign 0.012+/-0.000 χ^2/NDF: 196851.2/24

All: 0.012+/-0.000 χ^2/NDF: 356356.0/50

- sign 0.012+/-0.000 χ^2/NDF: 154459.2/25

yield_bpm0i02aY_mean vs Slug



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.318+/-0.000 χ^2/NDF:2981159261.9/8

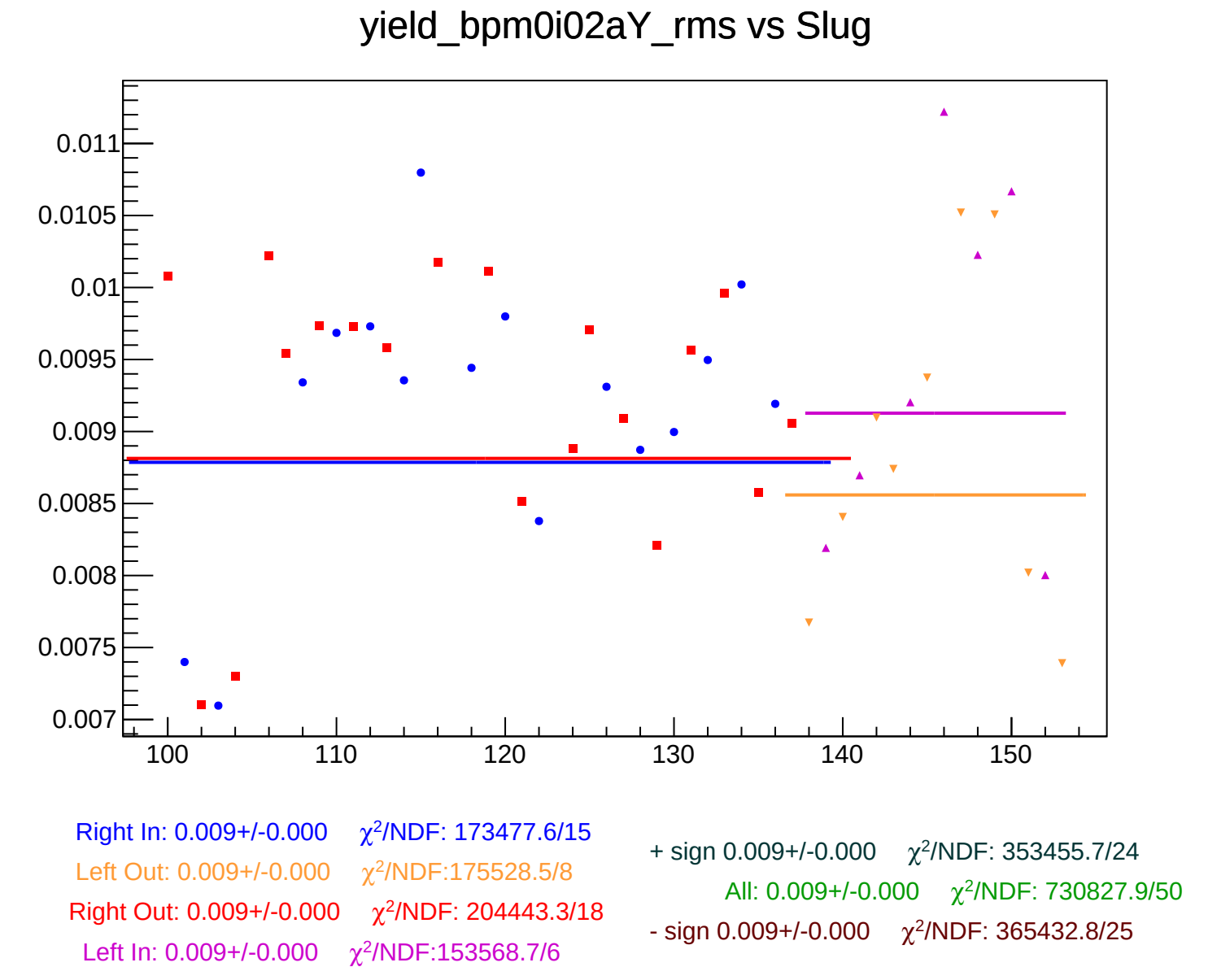
Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

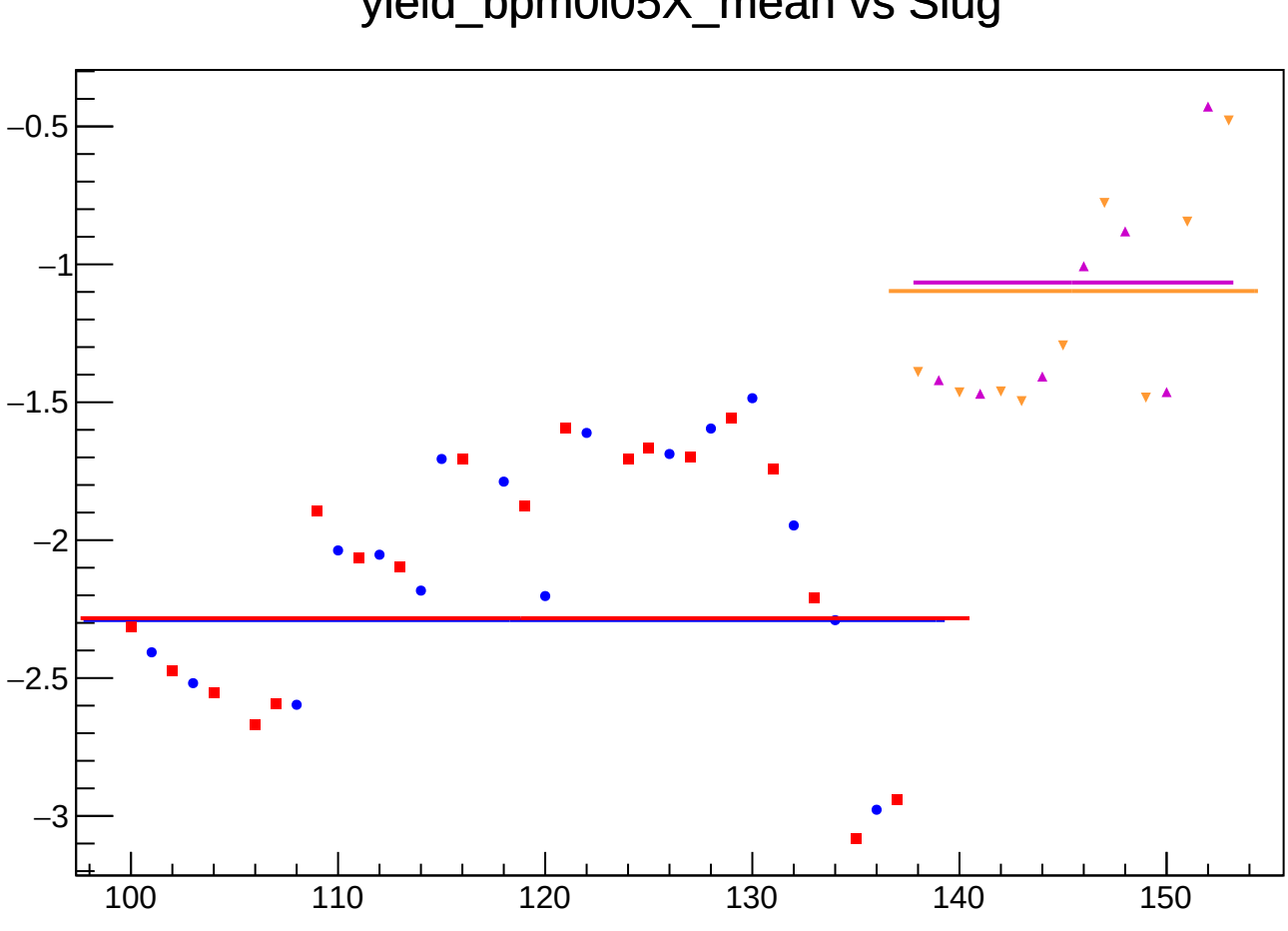
Left In: -1.370+/-0.000 χ^2/NDF:1691307567.1/6

+ sign -1.222+/-0.000 χ^2/NDF: 8293934873.5/24

All: -1.229+/-0.000 χ^2/NDF: 15528909436.4/

- sign -1.237+/-0.000 χ^2/NDF: 7216388831.5/25


yield_bpm0i02aY_rms vs Slug
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
100
110
120
130
140
150
Right In: 0.009+/-0.000 χ²/NDF: 173477.6/15
Left Out: 0.009+/-0.000 χ²/NDF:175528.5/8
Right Out: 0.009+/-0.000 χ²/NDF: 204443.3/18
Left In: 0.009+/-0.000 χ²/NDF:153568.7/6
+ sign 0.009+/-0.000 χ²/NDF: 353455.7/24
All: 0.009+/-0.000 χ²/NDF: 730827.9/50
- sign 0.009+/-0.000 χ²/NDF: 365432.8/25



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.097+/-0.000 χ^2/NDF:14348380274.5/8

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

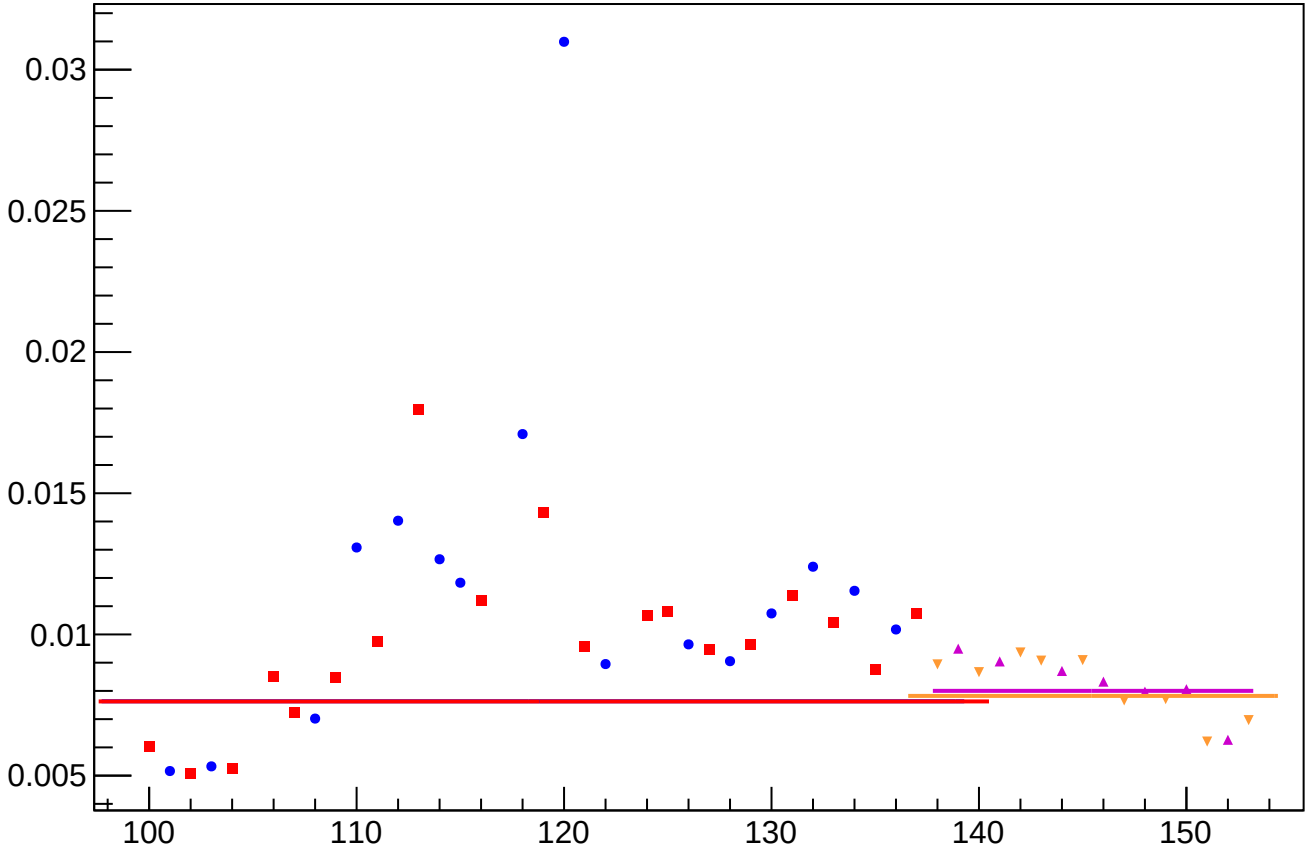
Left In: -1.066+/-0.000 χ^2/NDF:14447371483.1/6

+ sign -1.656+/-0.000 χ^2/NDF: 95496121512.5/24

All: -1.683+/-0.000 χ^2/NDF: 193703096366.4

- sign -1.710+/-0.000 χ^2/NDF: 97944864102.9/25

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:230883.7/8

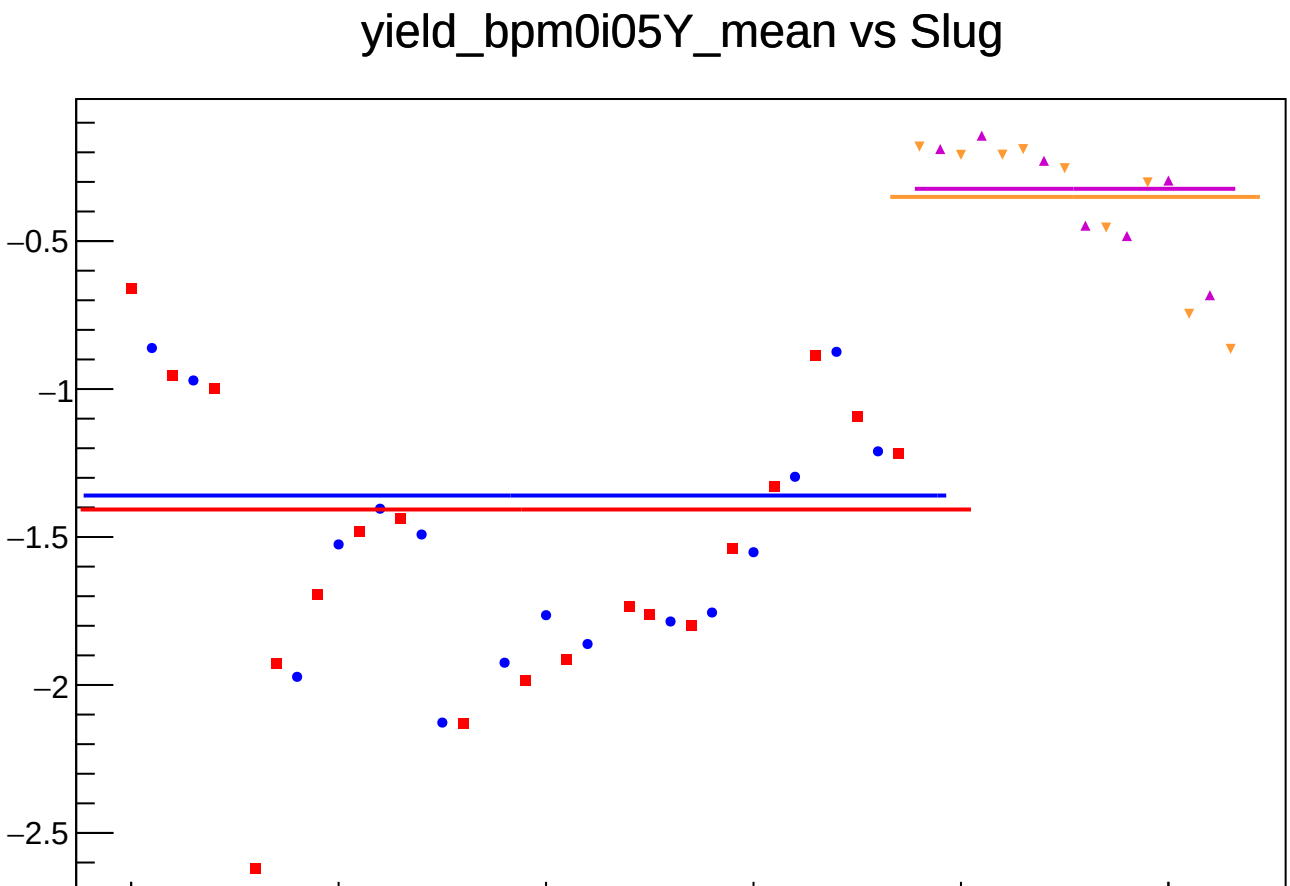
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:191521.3/6

+ sign 0.008+/-0.000 χ^2/NDF: 1945039.8/24

All: 0.008+/-0.000 χ^2/NDF: 3467780.5/50

- sign 0.008+/-0.000 χ^2/NDF: 1521844.4/25



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.351+/-0.000 χ^2/NDF:16303220937.9/8

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

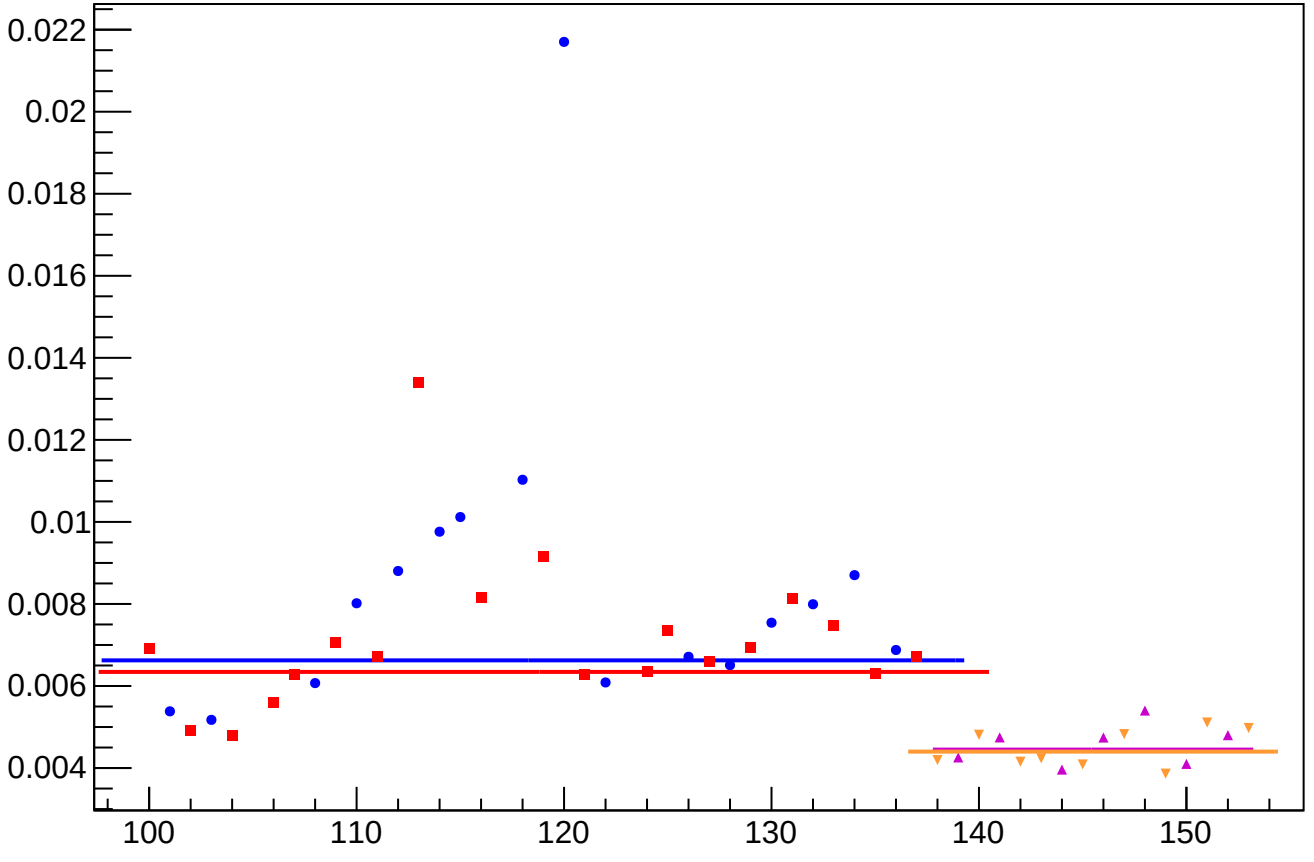
Left In: -0.323+/-0.000 χ^2/NDF:7621535821.4/6

+ sign -0.649+/-0.000 χ^2/NDF: 132370423848.2/24

All: -0.683+/-0.000 χ^2/NDF: 284333486381.

- sign -0.718+/-0.000 χ^2/NDF: 150932602990.0/25

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:111247.4/8

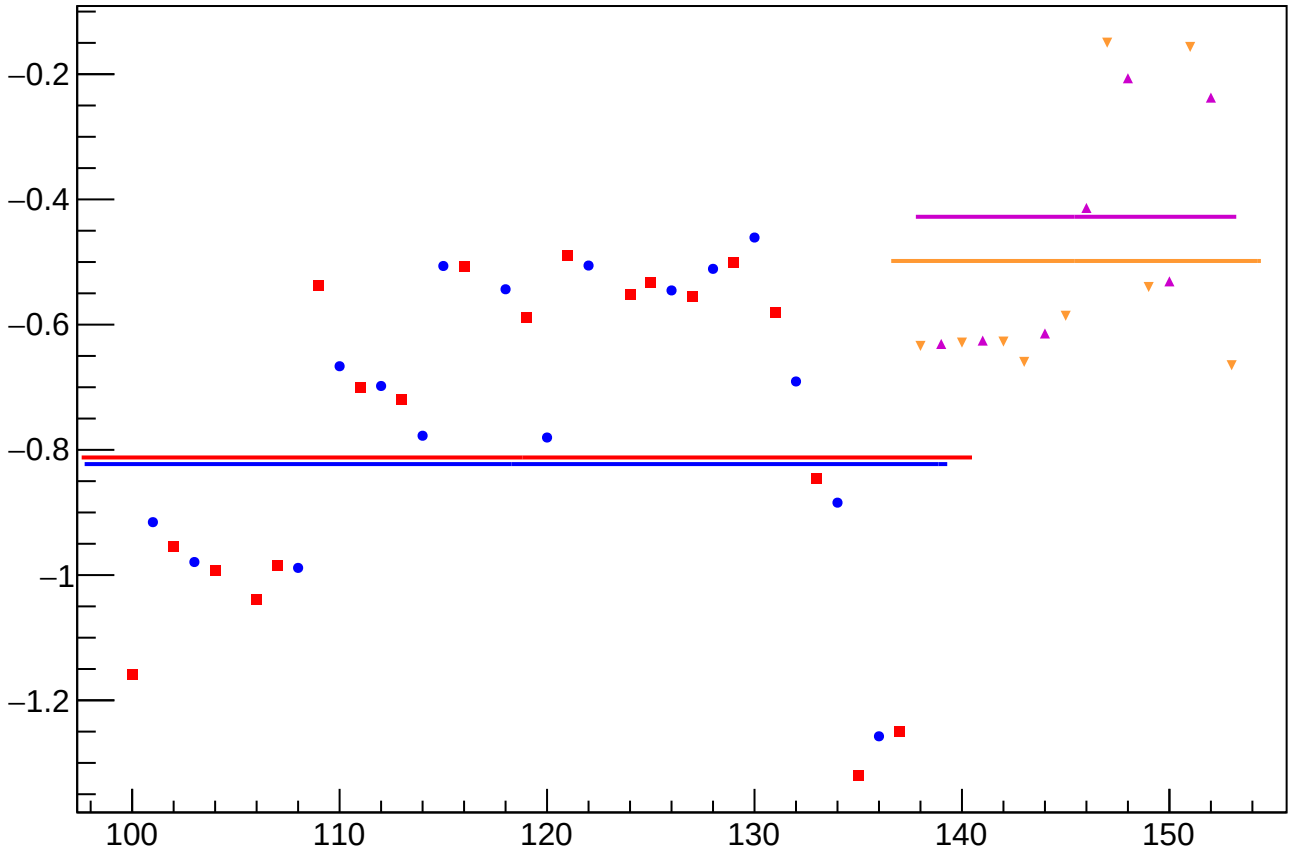
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:97308.1/6

+ sign 0.005+/-0.000 χ^2/NDF: 1724198.2/24

All: 0.005+/-0.000 χ^2/NDF: 3046571.8/50

- sign 0.005+/-0.000 χ^2/NDF: 1319497.3/25



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.498+/-0.000 χ^2/NDF:9623914032.4/8

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

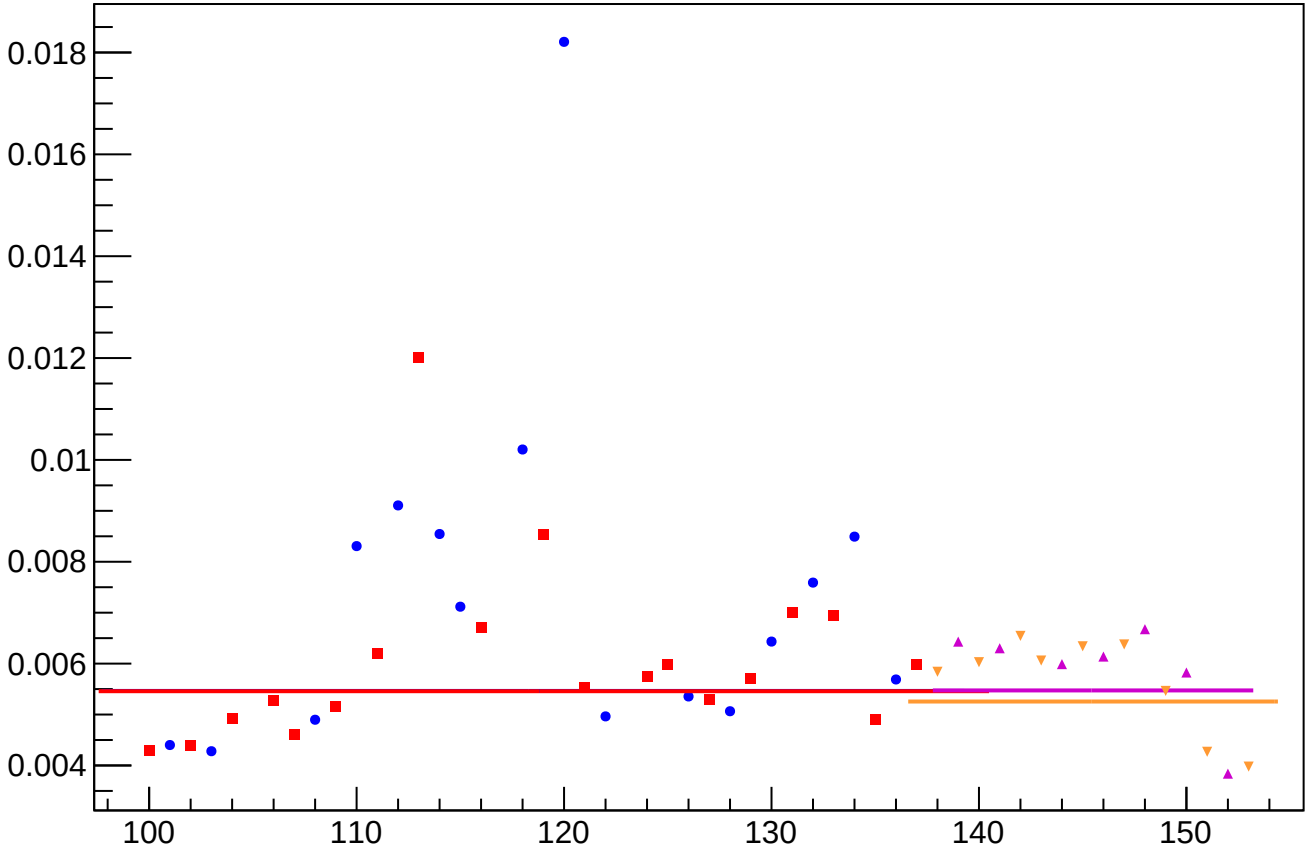
Left In: -0.428+/-0.000 χ^2/NDF:5349220690.8/6

+ sign -0.648+/-0.000 χ^2/NDF: 32289651775.2/24

All: -0.641+/-0.000 χ^2/NDF: 66396832790.1/

- sign -0.633+/-0.000 χ^2/NDF: 34061037053.6/25

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:410959.9/8

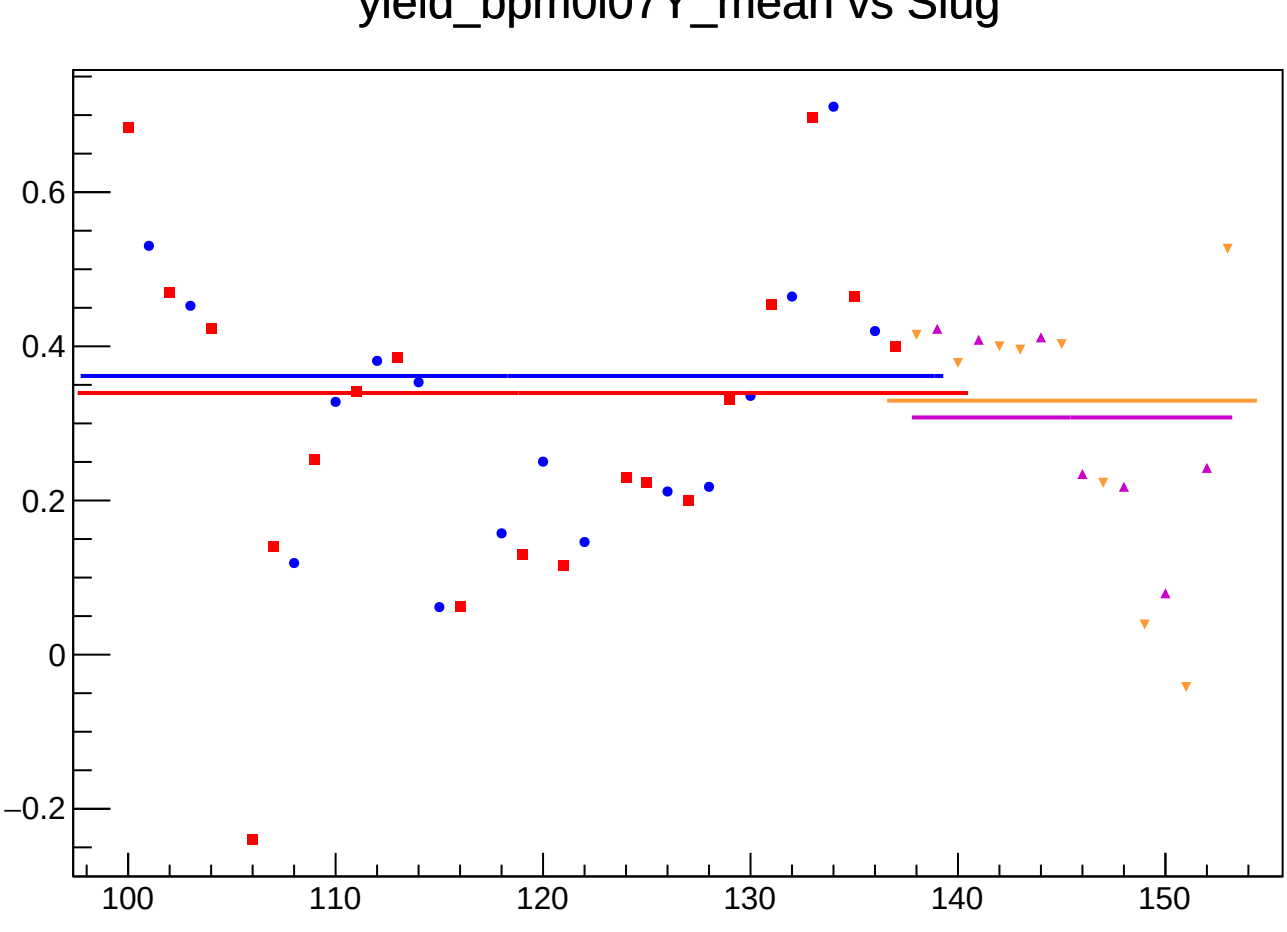
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:433122.5/6

+ sign 0.005+/-0.000 χ^2/NDF: 1380990.1/24

All: 0.005+/-0.000 χ^2/NDF: 2326958.9/50

- sign 0.005+/-0.000 χ^2/NDF: 940958.7/25



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.330+/-0.000 χ^2/NDF:9763057286.9/8

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

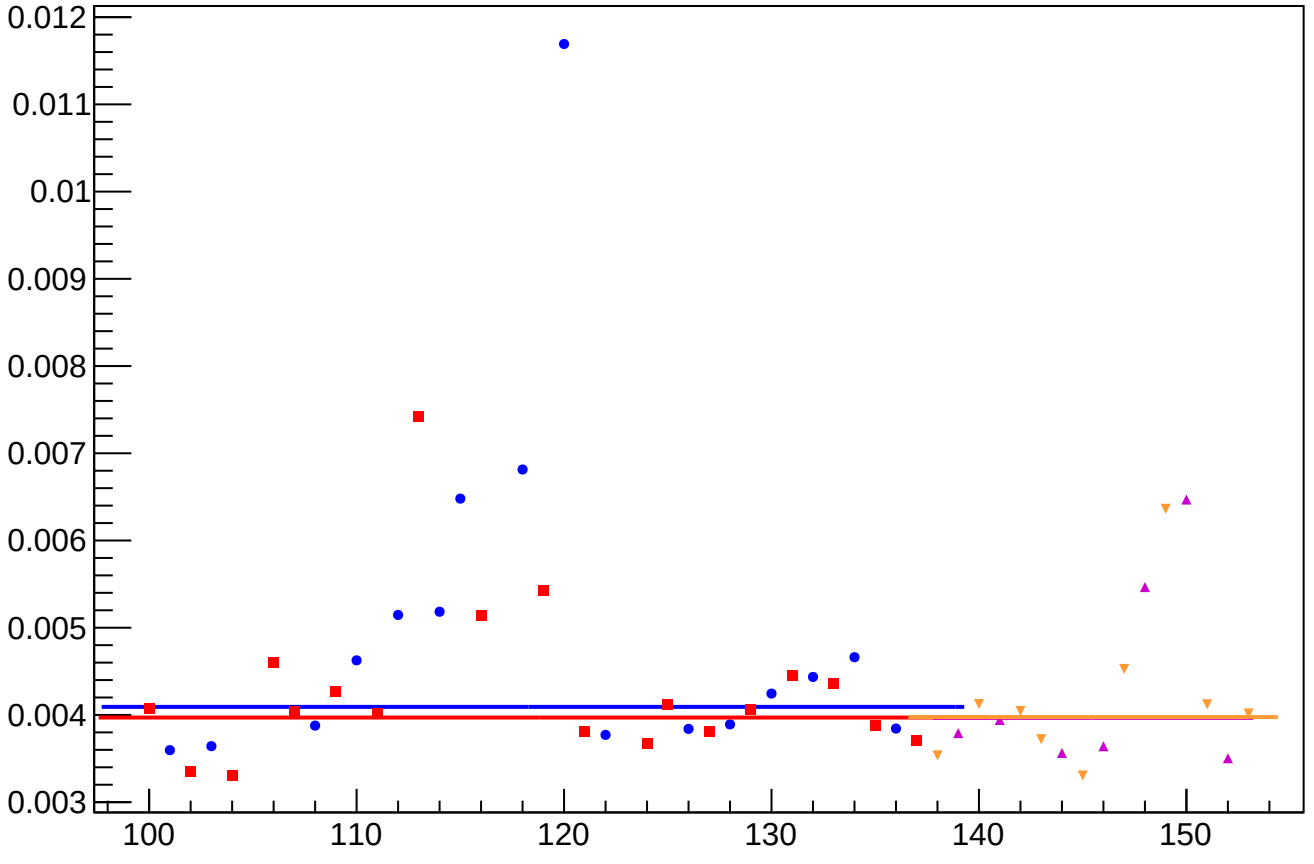
Left In: 0.308+/-0.000 χ^2/NDF:2993419916.6/6

+ sign 0.347+/-0.000 χ^2/NDF: 18712627764.1/24

All: 0.337+/-0.000 χ^2/NDF: 34078278417.7/5

- sign 0.327+/-0.000 χ^2/NDF: 15229658213.6/25

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:273808.8/8

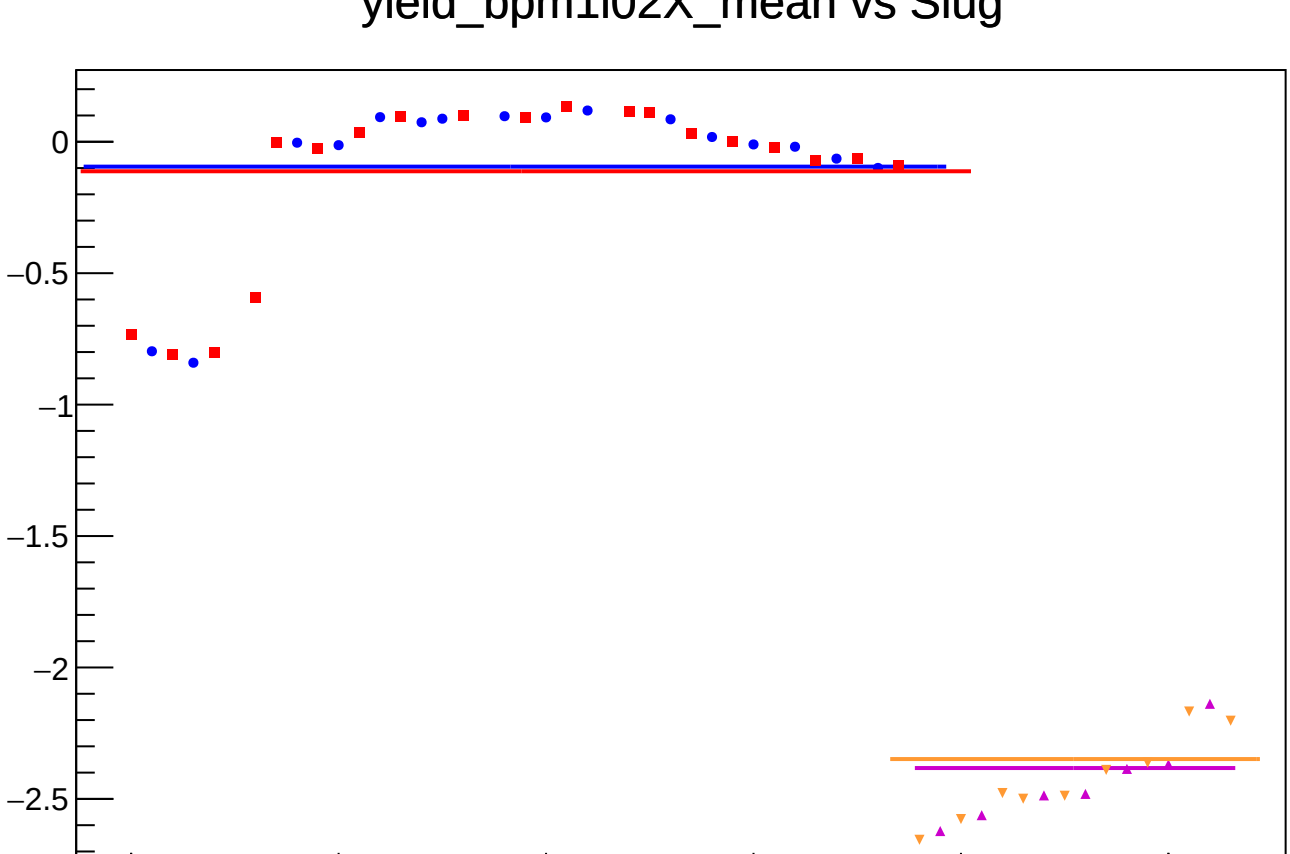
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:357168.4/6

+ sign 0.004+/-0.000 χ^2/NDF: 770175.8/24

All: 0.004+/-0.000 χ^2/NDF: 1444356.4/50

- sign 0.004+/-0.000 χ^2/NDF: 670875.0/25



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.348+/-0.000 χ^2/NDF:1498120034.8/8

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

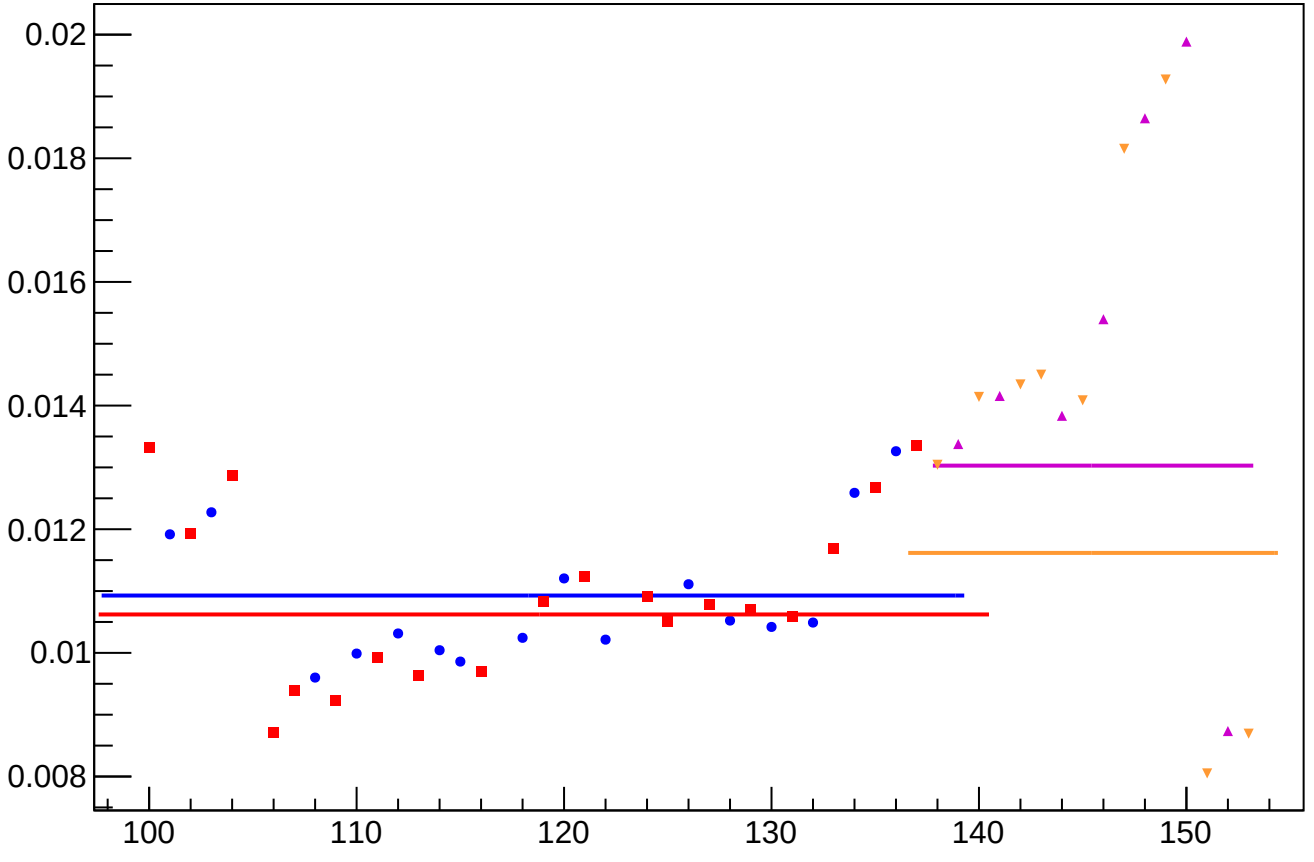
Left In: -2.383+/-0.000 χ^2/NDF:1170631336.8/6

+ sign -1.088+/-0.000 χ^2/NDF: 140579294345.2/24

All: -0.988+/-0.000 χ^2/NDF: 264126737182.1

- sign -0.881+/-0.000 χ^2/NDF: 121331169609.1/25

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:1202398.7/8

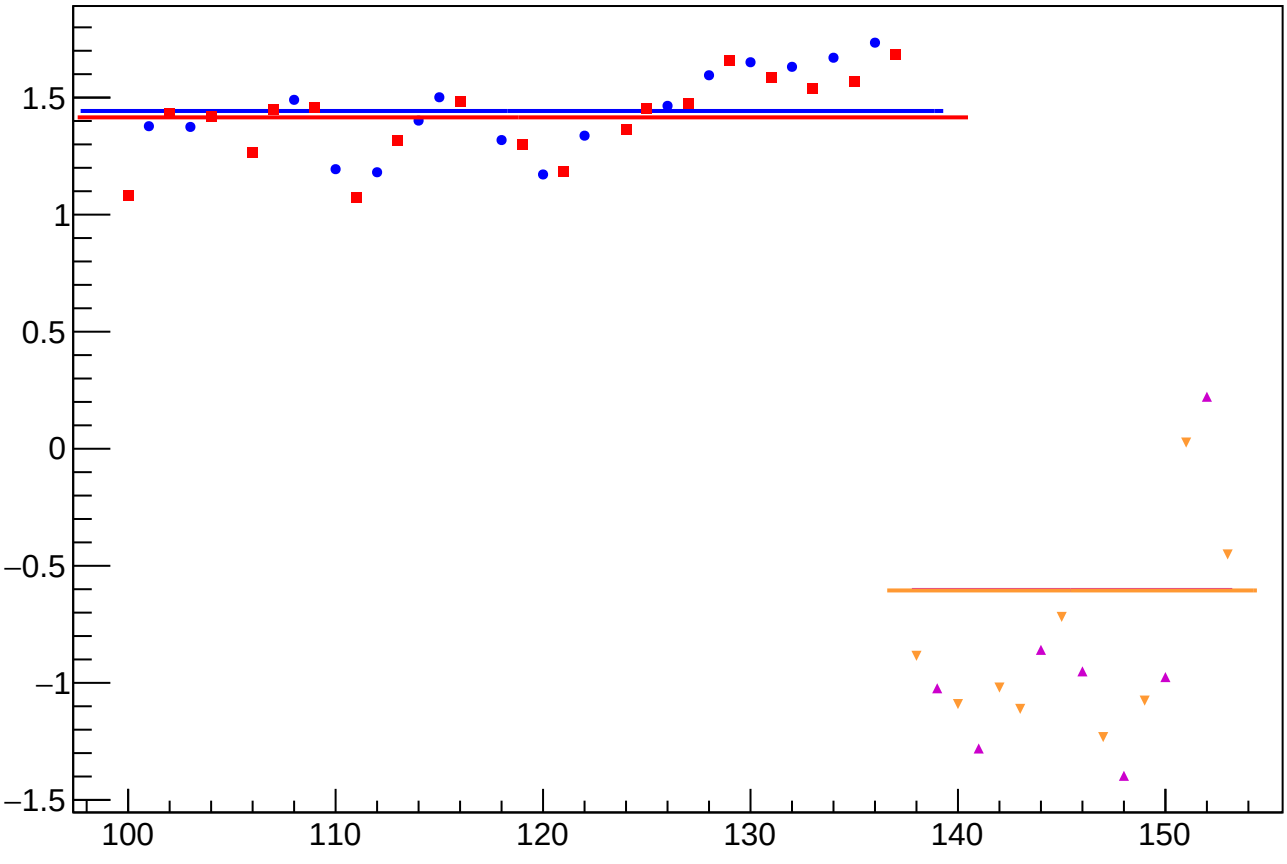
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.013+/-0.000 χ^2/NDF:838855.4/6

+ sign 0.011+/-0.000 χ^2/NDF: 1363869.2/24

All: 0.011+/-0.000 χ^2/NDF: 2653830.0/50

- sign 0.011+/-0.000 χ^2/NDF: 1285666.9/25



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.605+/-0.000 χ^2/NDF:18276982688.6/8

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

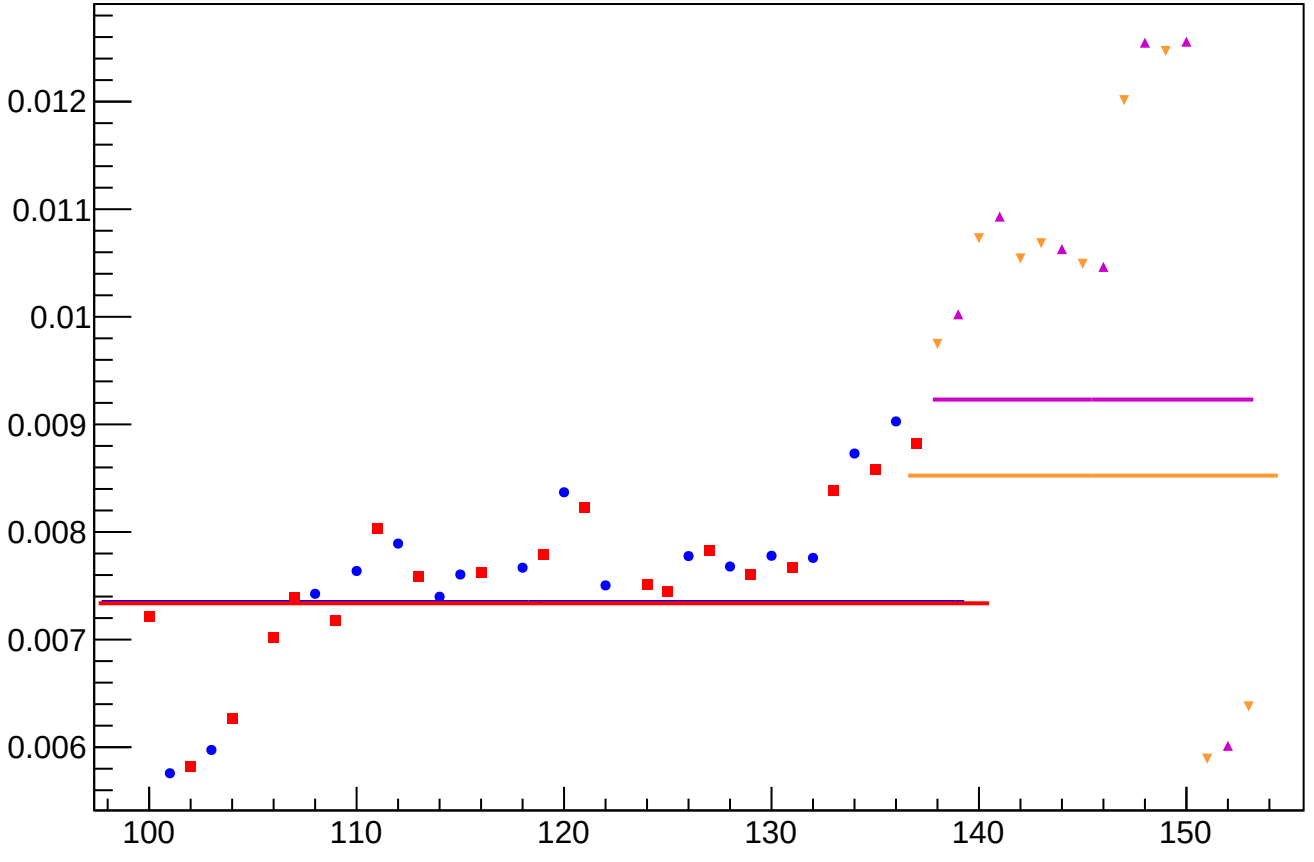
Left In: -0.603+/-0.000 χ^2/NDF:26743617401.7/6

+ sign 0.616+/-0.000 χ^2/NDF: 243487879049.4/24

All: 0.683+/-0.000 χ^2/NDF: 457835134489.5

- sign 0.754+/-0.000 χ^2/NDF: 212335574072.6/25

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:1067888.7/8

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

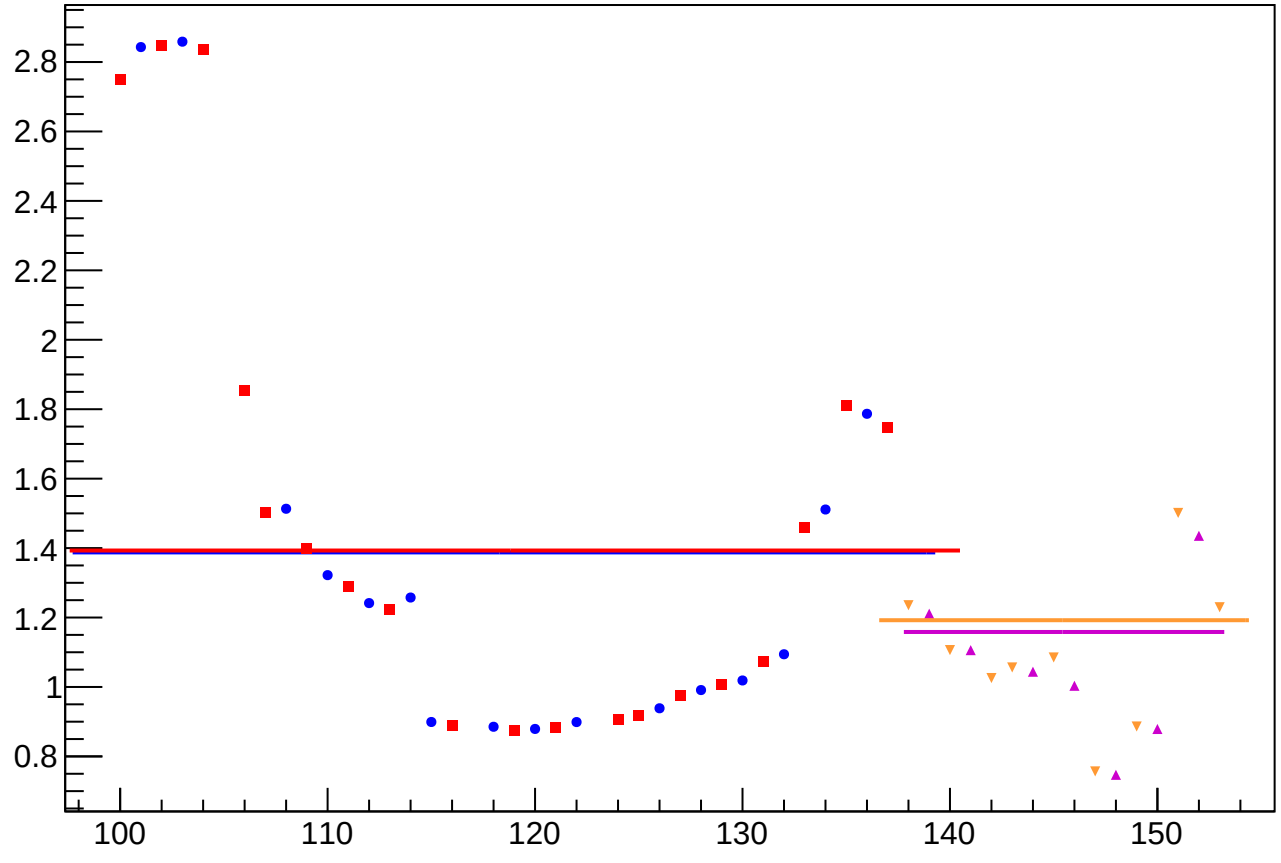
Left In: 0.009+/-0.000 χ^2/NDF:845446.6/6

+ sign 0.008+/-0.000 χ^2/NDF: 1484527.3/24

All: 0.008+/-0.000 χ^2/NDF: 2850756.7/50

- sign 0.008+/-0.000 χ^2/NDF: 1362425.0/25

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.192+/-0.000 χ^2/NDF:4298690116.0/8

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

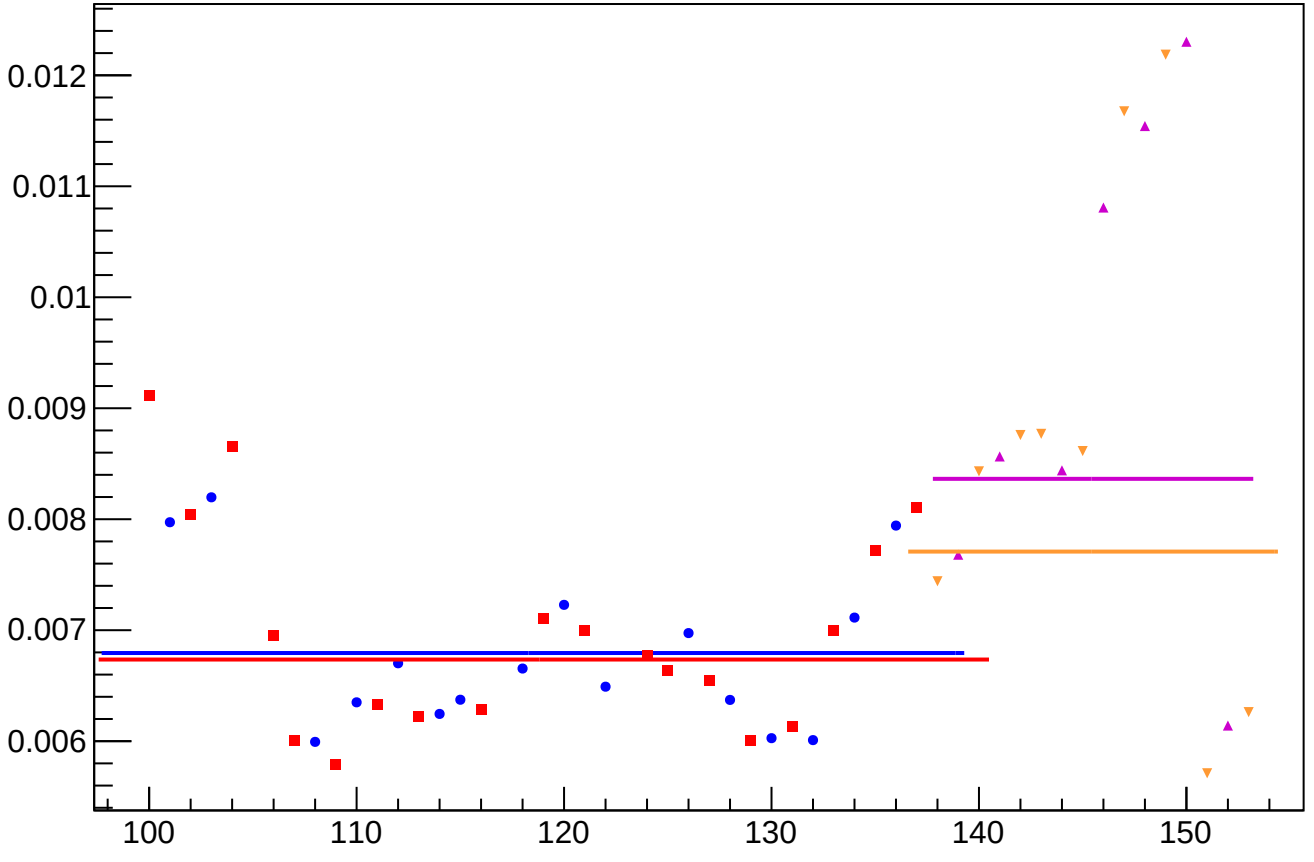
Left In: 1.158+/-0.000 χ^2/NDF:3569032821.7/6

+ sign 1.308+/-0.000 χ^2/NDF: 65305585083.2/24

All: 1.312+/-0.000 χ^2/NDF: 127179850830.8

- sign 1.316+/-0.000 χ^2/NDF: 61866138573.3/25

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:714983.9/8

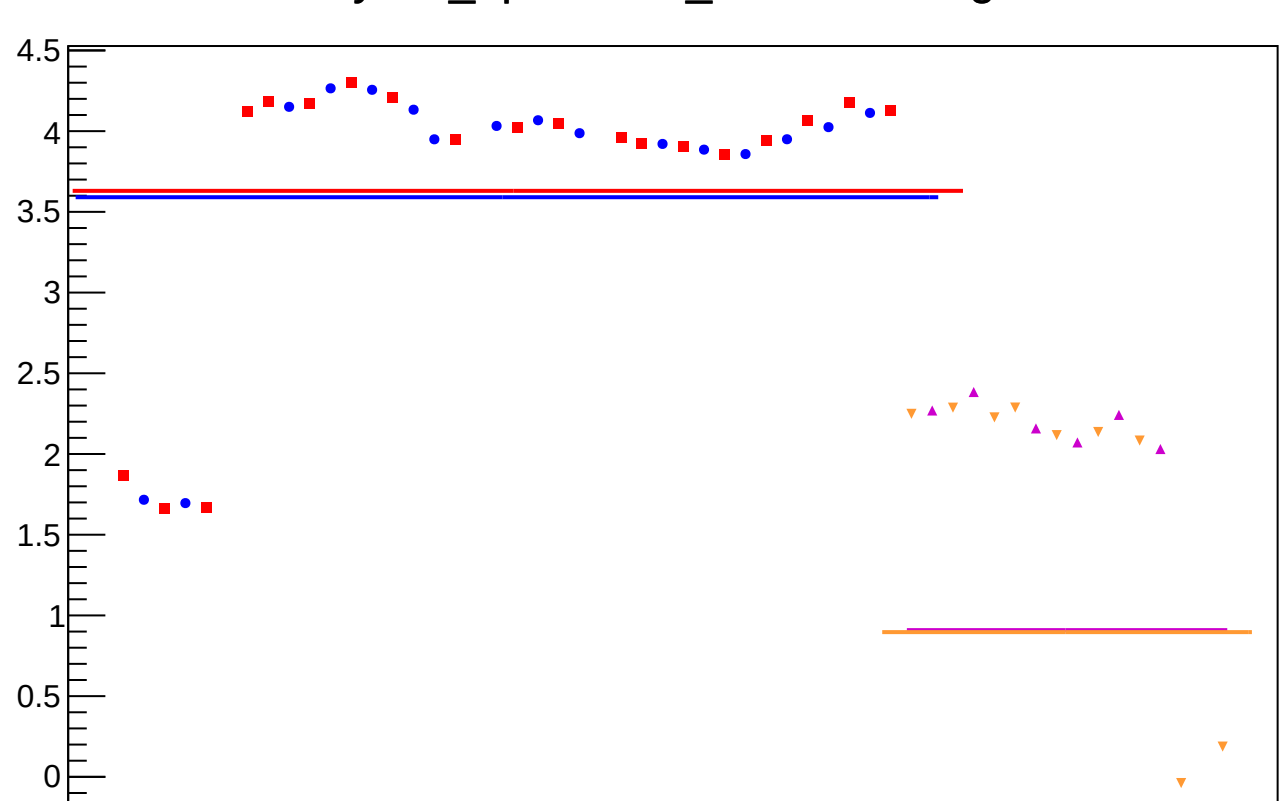
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:609414.0/6

+ sign 0.007+/-0.000 χ^2/NDF: 984297.8/24

All: 0.007+/-0.000 χ^2/NDF: 2077173.6/50

- sign 0.007+/-0.000 χ^2/NDF: 1090213.2/25



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.897+/-0.000 χ^2/NDF:226143162258.4/8

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

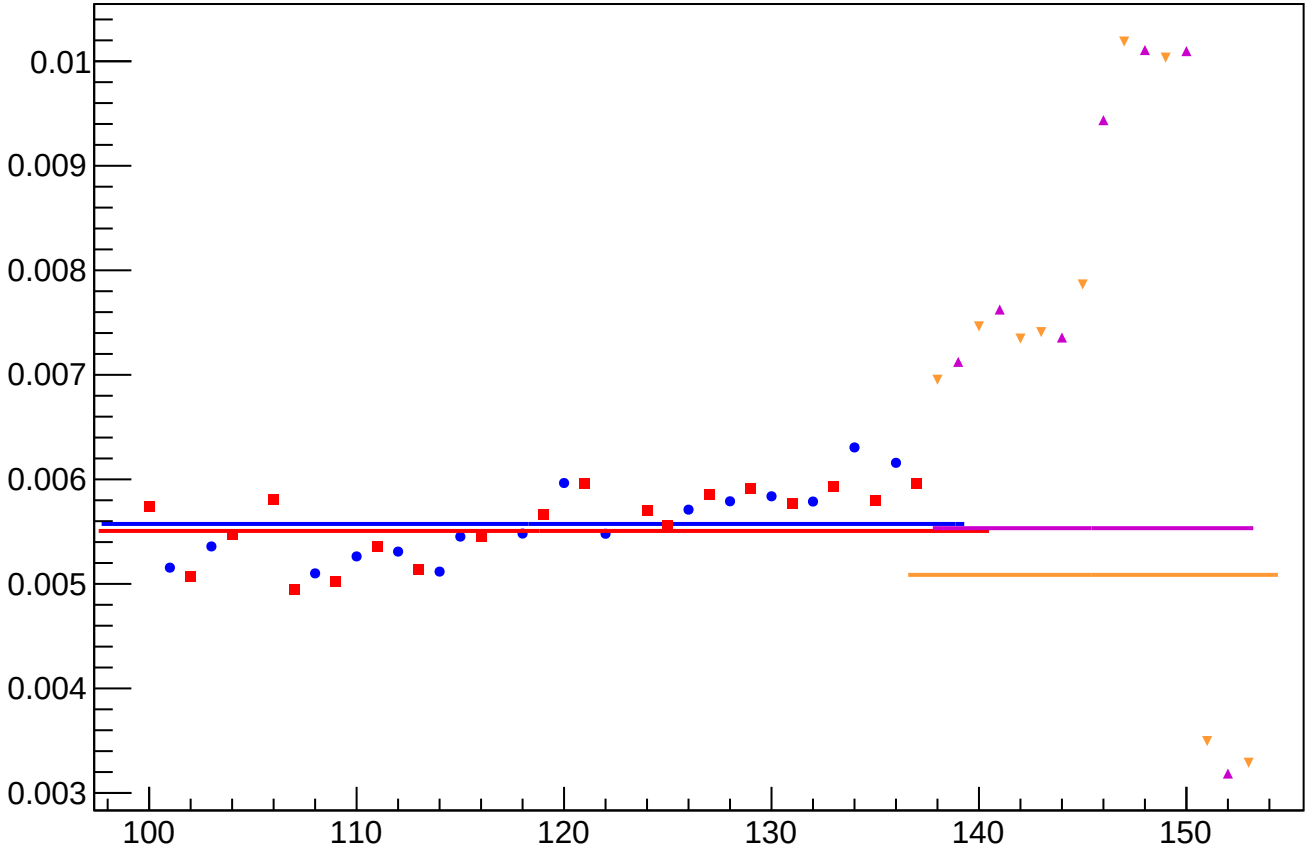
Left In: 0.909+/-0.000 χ^2/NDF:232117801605.0/6

+ sign 2.305+/-0.000 χ^2/NDF: 1227284284840.2/24

All: 2.430+/-0.000 χ^2/NDF: 2381486496815.

- sign 2.570+/-0.000 χ^2/NDF: 1139655815832.2/25

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:2199785.9/8

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

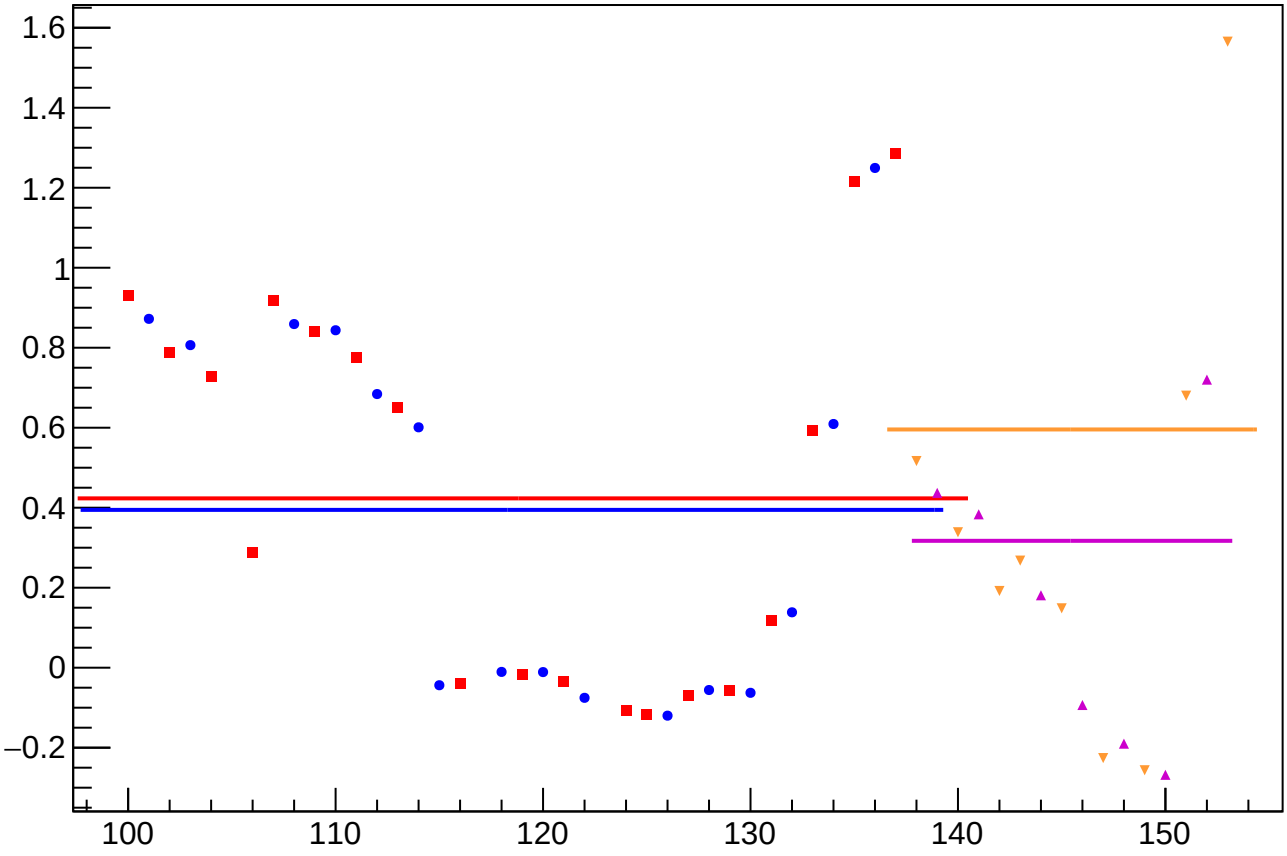
Left In: 0.006+/-0.000 χ^2/NDF:2135024.8/6

+ sign 0.005+/-0.000 χ^2/NDF: 2311154.2/24

All: 0.005+/-0.000 χ^2/NDF: 4516615.4/50

- sign 0.006+/-0.000 χ^2/NDF: 2192583.7/25

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.596+/-0.000 χ^2/NDF:13116895989.5/8

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

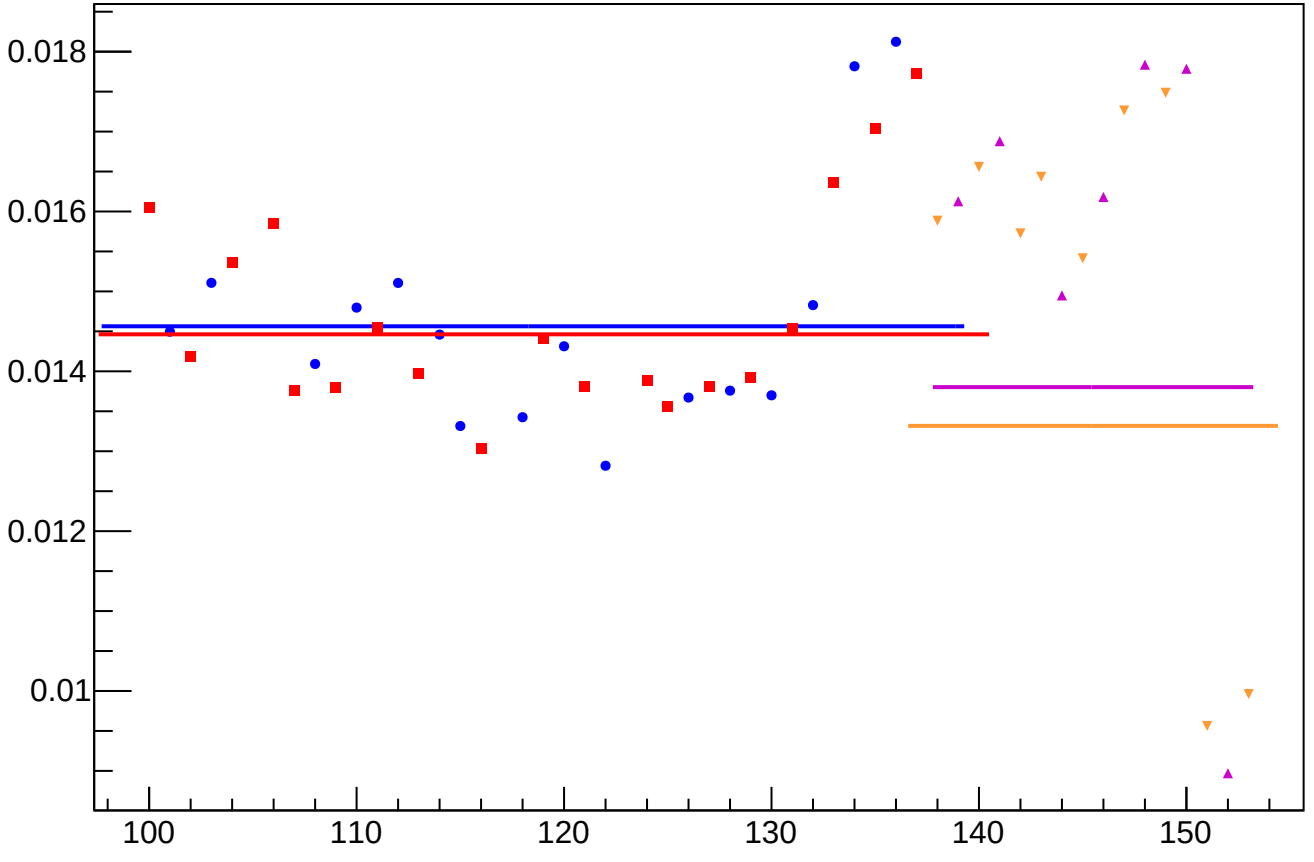
Left In: 0.317+/-0.000 χ^2/NDF:4032434081.0/6

+ sign 0.499+/-0.000 χ^2/NDF: 21234851987.4/24

All: 0.440+/-0.000 χ^2/NDF: 32873837414.0/5

- sign 0.375+/-0.000 χ^2/NDF: 11116610814.9/25

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:819548.9/8

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

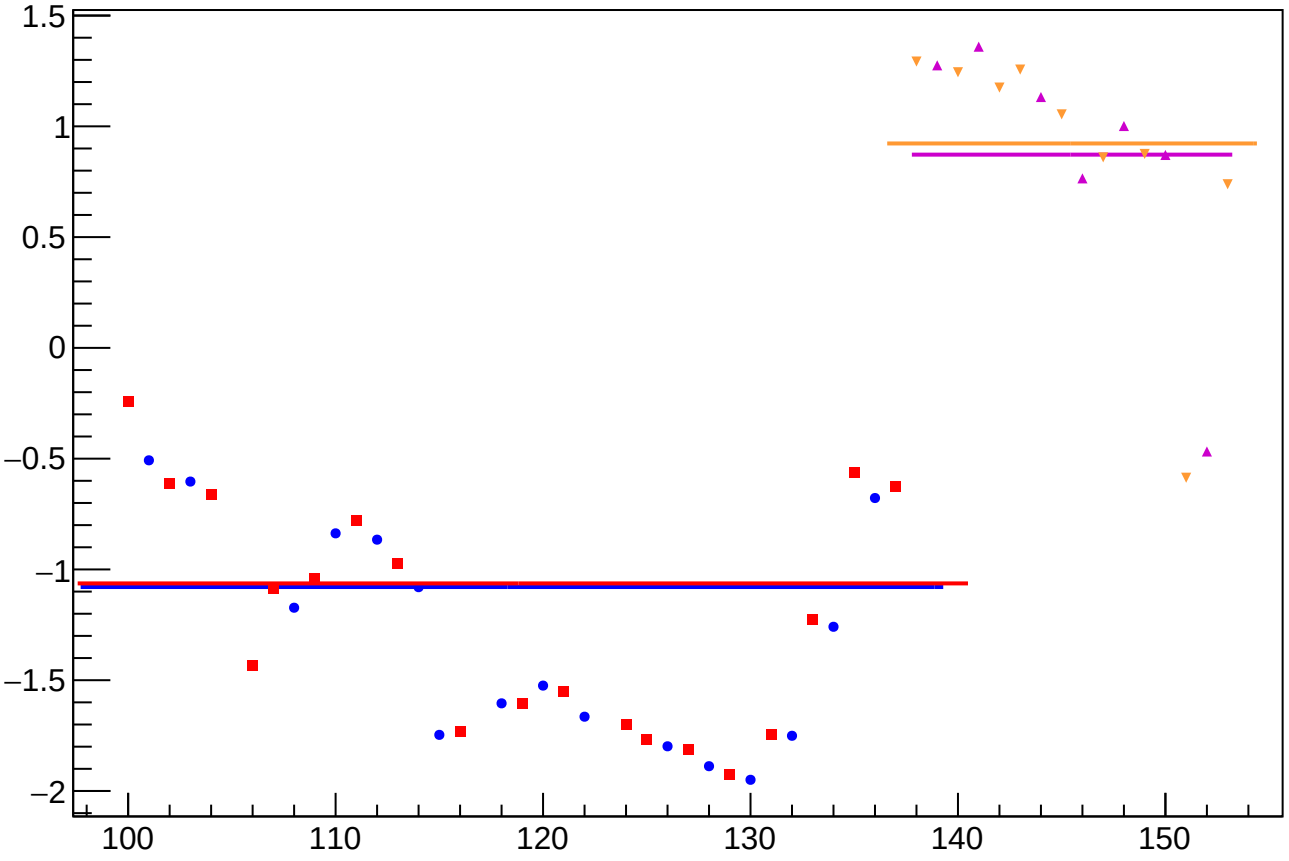
Left In: 0.014+/-0.000 χ^2/NDF:808206.0/6

+ sign 0.014+/-0.000 χ^2/NDF: 1006907.2/24

All: 0.014+/-0.000 χ^2/NDF: 1910523.4/50

- sign 0.014+/-0.000 χ^2/NDF: 899558.0/25

yield_bpm1i06Y_mean vs Slug



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.923+/-0.000 χ^2/NDF:98056644299.2/8

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

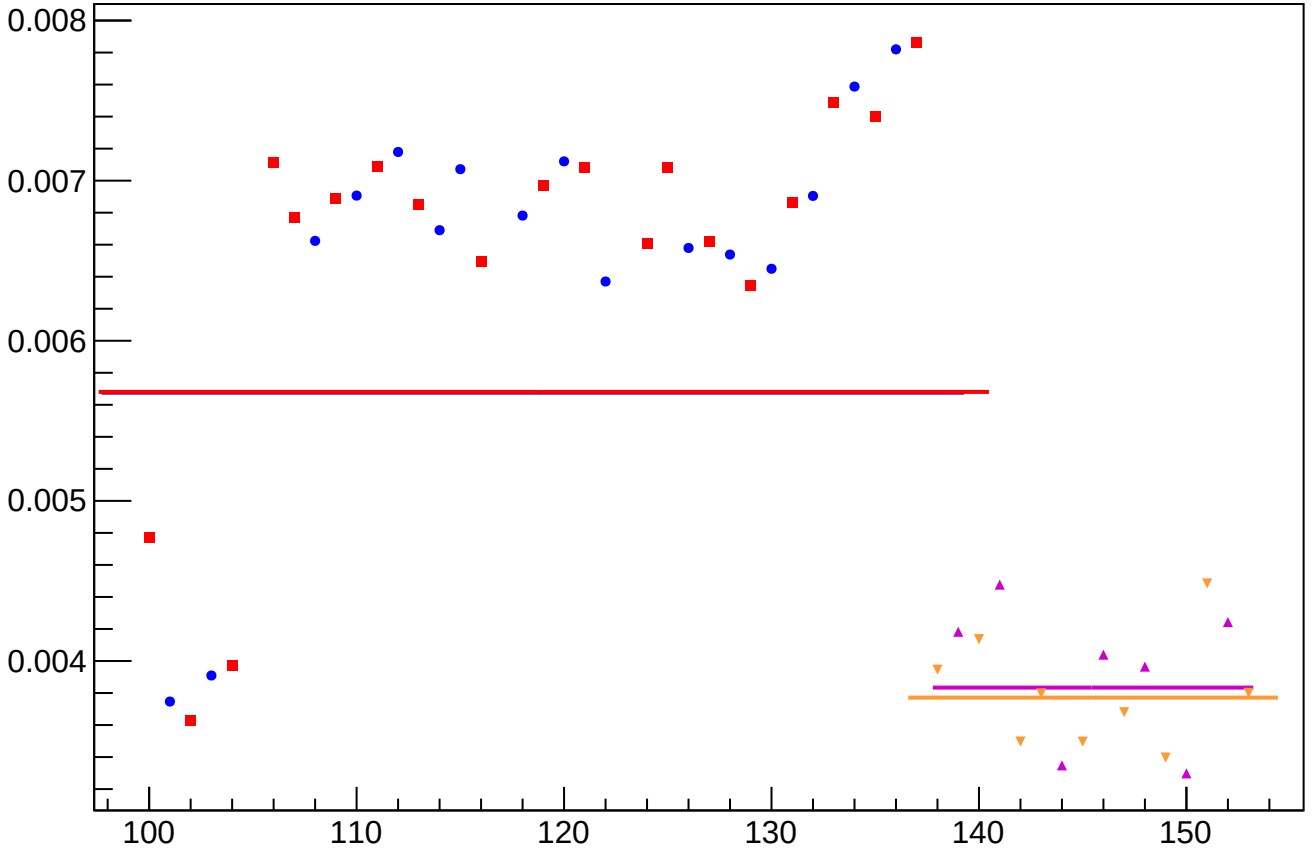
Left In: 0.872+/-0.000 χ^2/NDF:103407152515.6/6

+ sign 0.296+/-0.000 χ^2/NDF: 702163850756.4/24

All: 0.242+/-0.000 χ^2/NDF: 1340736281154.

- sign 0.182+/-0.000 χ^2/NDF: 634658004493.9/25

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:81021.3/8

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

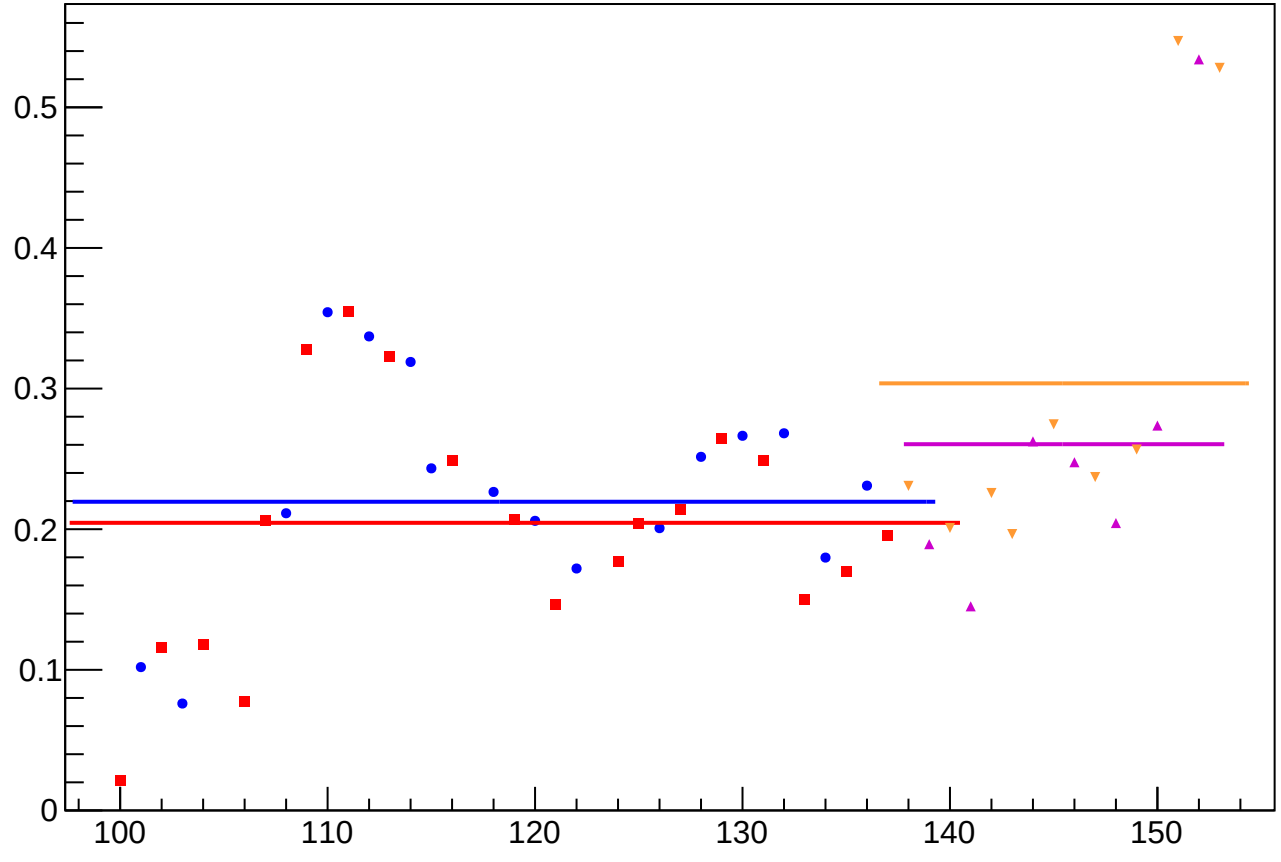
Left In: 0.004+/-0.000 χ^2/NDF:141360.3/6

+ sign 0.004+/-0.000 χ^2/NDF: 2011282.6/24

All: 0.004+/-0.000 χ^2/NDF: 4019197.6/50

- sign 0.004+/-0.000 χ^2/NDF: 1998520.0/25

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.304+/-0.000 χ^2/NDF:61321047143.1/8

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

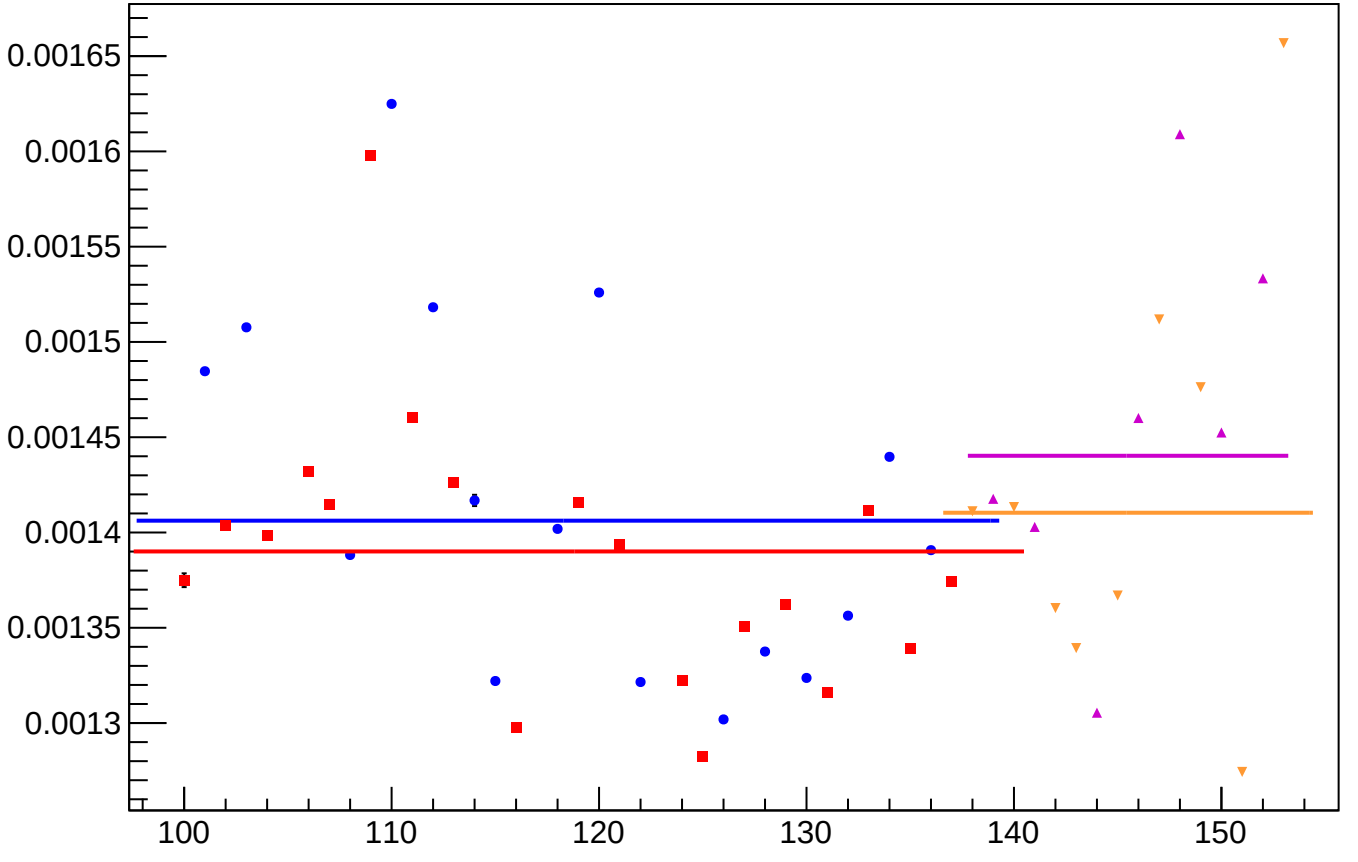
Left In: 0.260+/-0.000 χ^2/NDF:35683707981.6/6

+ sign 0.261+/-0.000 χ^2/NDF: 90404701996.4/24

All: 0.245+/-0.000 χ^2/NDF: 157158037125.6

- sign 0.229+/-0.000 χ^2/NDF: 63109853726.4/25

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:72394.1/8

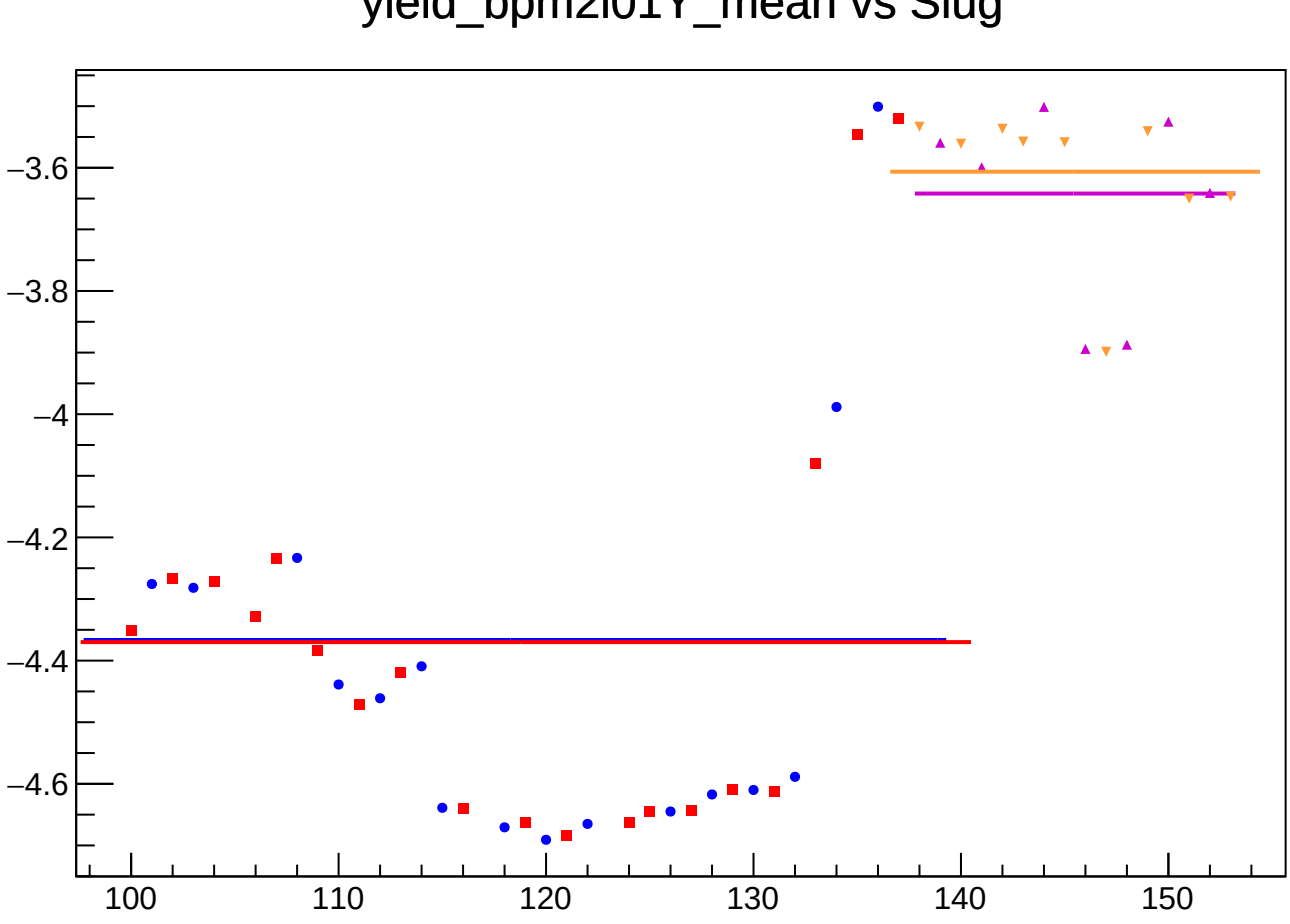
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:44608.2/6

+ sign 0.001+/-0.000 χ^2/NDF: 120655.6/24

All: 0.001+/-0.000 χ^2/NDF: 208377.1/50

- sign 0.001+/-0.000 χ^2/NDF: 87641.6/25



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.606+/-0.000 χ^2/NDF:19085126953.8/8

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

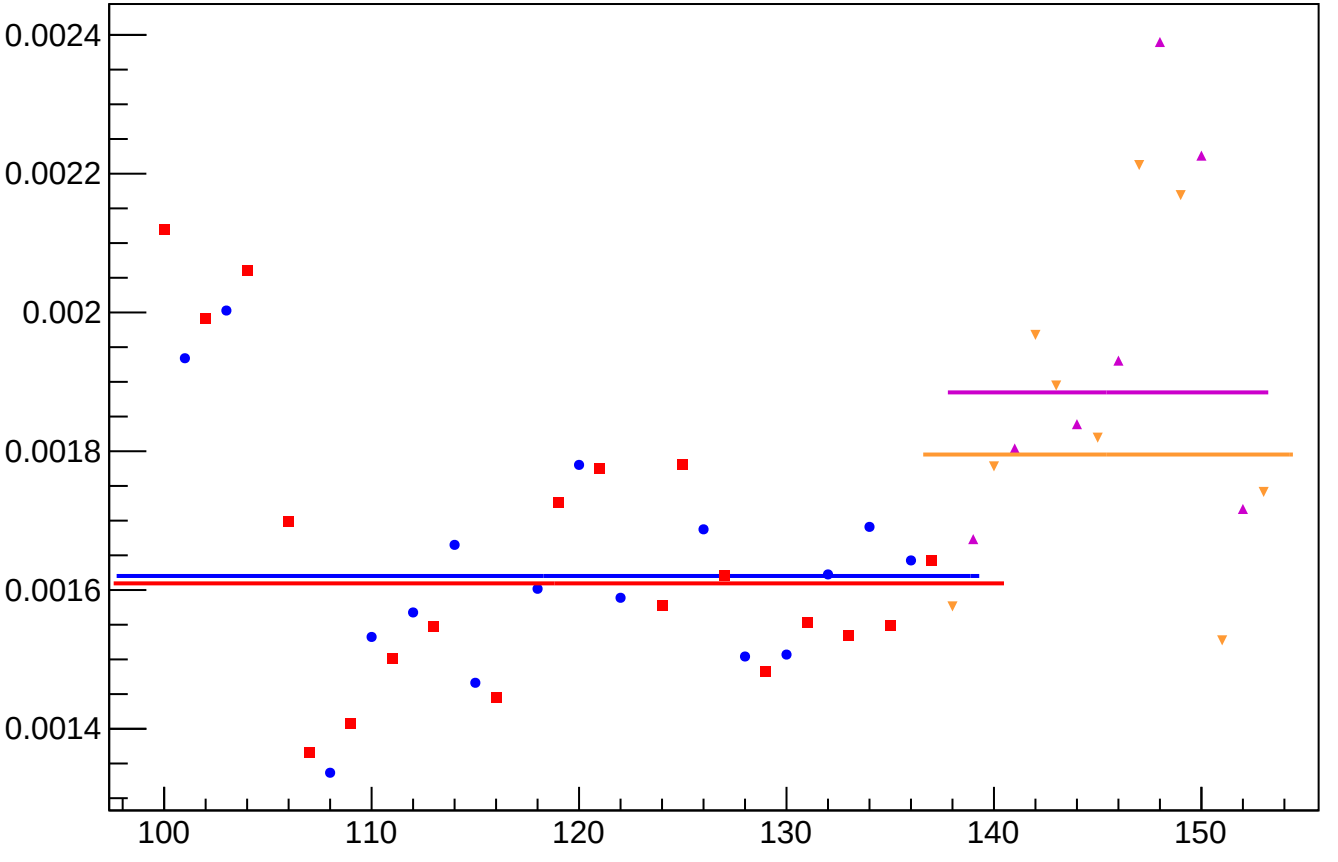
Left In: -3.642+/-0.000 χ^2/NDF:32344589642.8/6

+ sign -4.034+/-0.000 χ^2/NDF: 1034023780229.3/2

All: -4.066+/-0.000 χ^2/NDF: 1911916546709

- sign -4.100+/-0.000 χ^2/NDF: 867986611506.3/25

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:194483.8/8

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

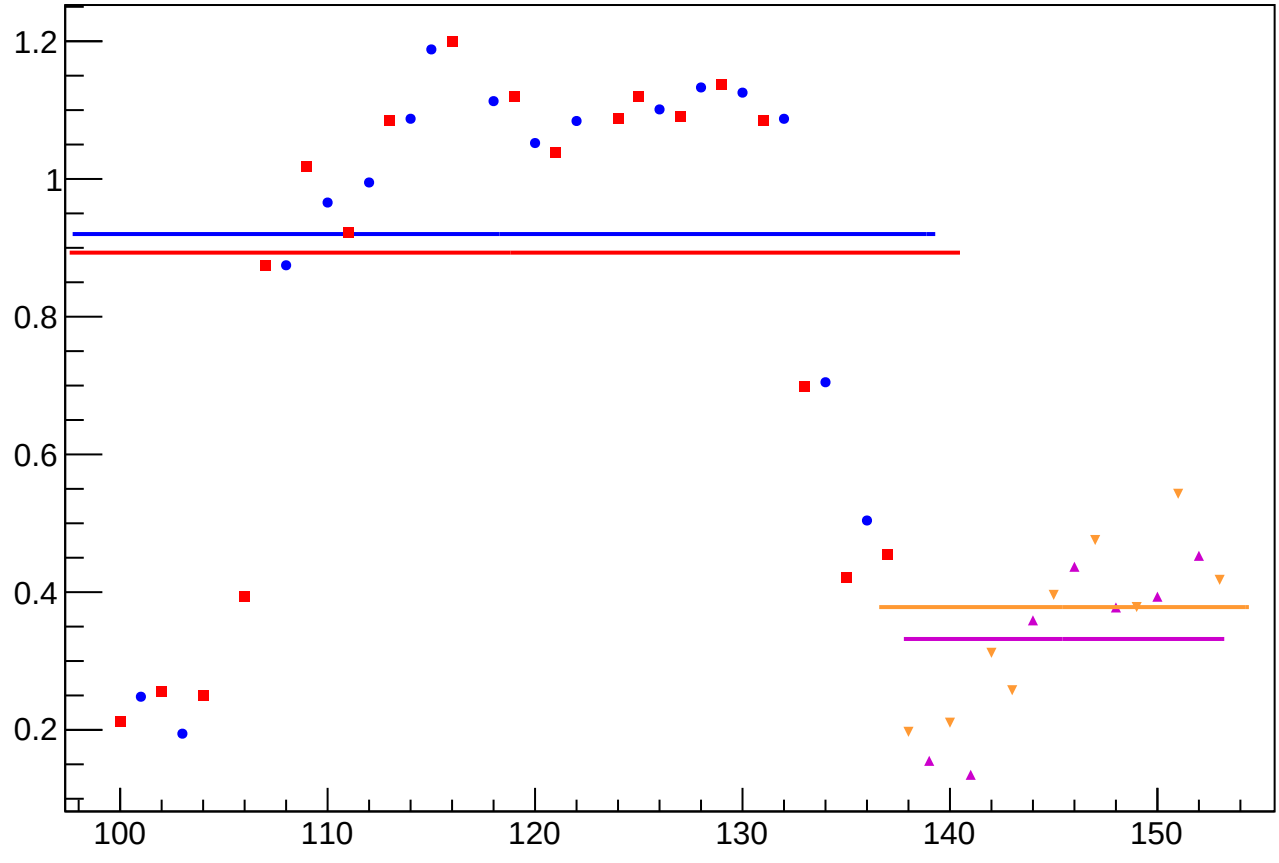
Left In: 0.002+/-0.000 χ^2/NDF:159301.1/6

+ sign 0.002+/-0.000 χ^2/NDF: 404883.4/24

All: 0.002+/-0.000 χ^2/NDF: 904304.7/50

- sign 0.002+/-0.000 χ^2/NDF: 498447.1/25

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.378+/-0.000 χ^2/NDF:1614458796.5/8

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

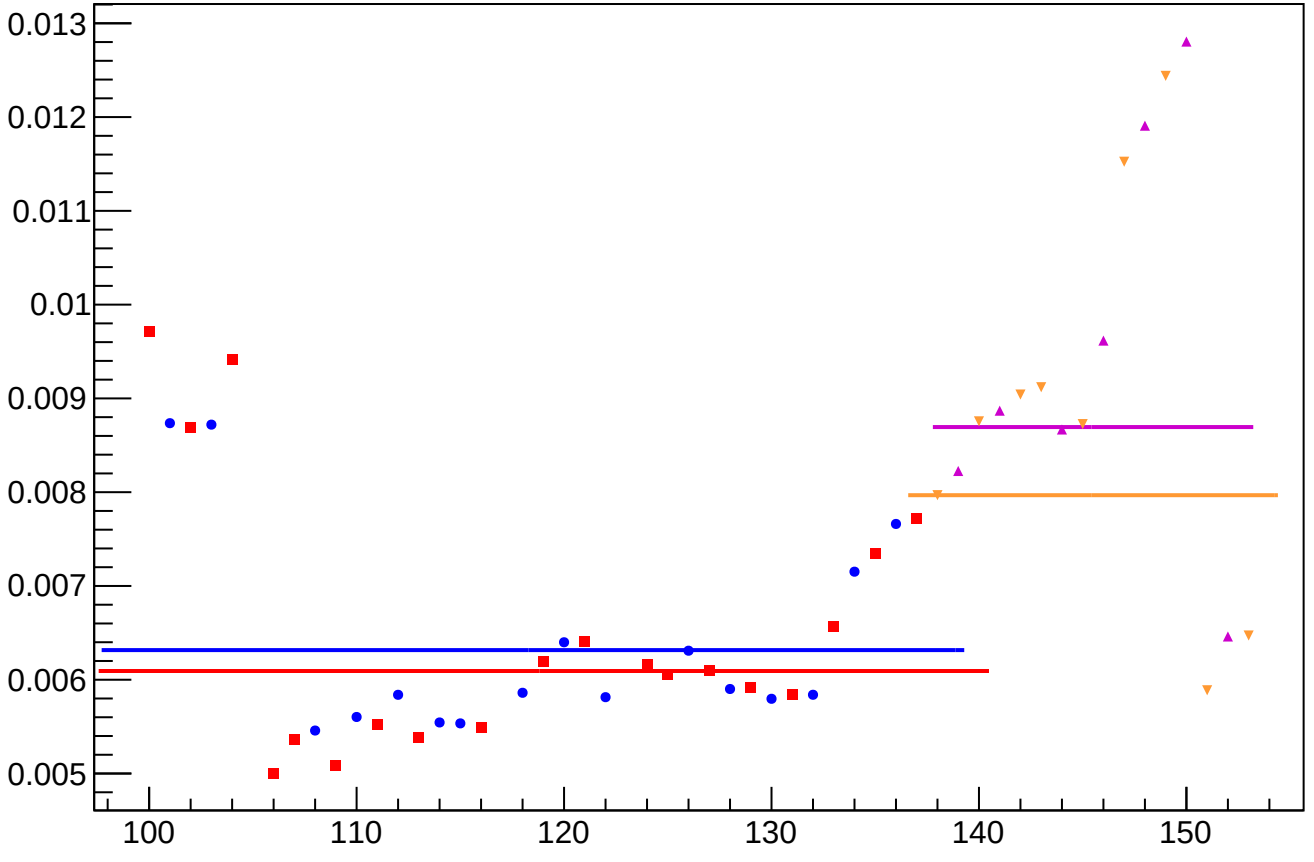
Left In: 0.332+/-0.000 χ^2/NDF:1272409124.5/6

+ sign 0.719+/-0.000 χ^2/NDF: 35333282264.4/24

All: 0.727+/-0.000 χ^2/NDF: 71660140994.3/5

- sign 0.734+/-0.000 χ^2/NDF: 36293285012.7/25

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:731544.0/8

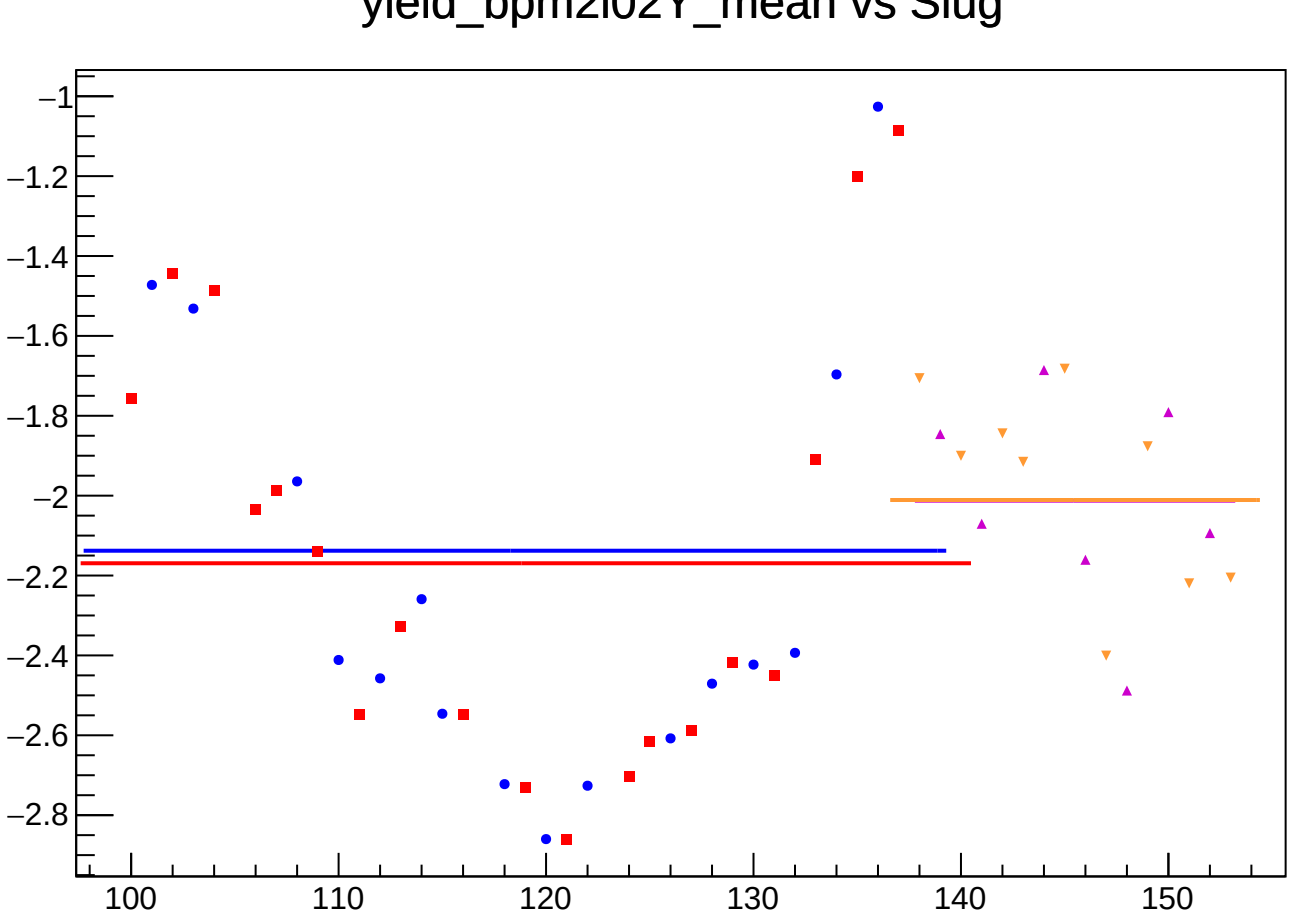
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:532475.0/6

+ sign 0.007+/-0.000 χ^2/NDF: 1423415.3/24

All: 0.007+/-0.000 χ^2/NDF: 3141962.9/50

- sign 0.007+/-0.000 χ^2/NDF: 1715729.1/25



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.011+/-0.000 χ^2/NDF:7432806949.6/8

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

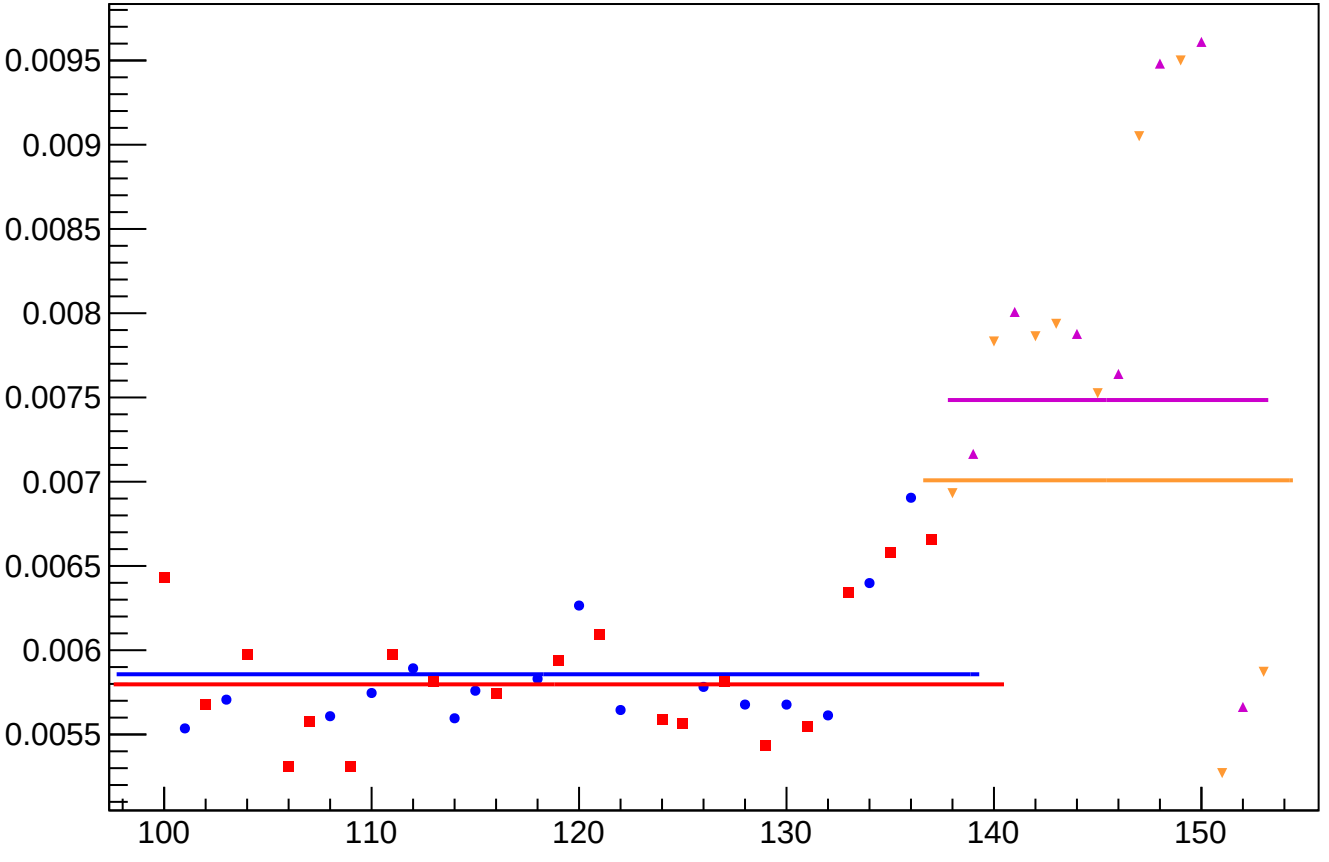
Left In: -2.013+/-0.000 χ^2/NDF:5130859894.4/6

+ sign -2.088+/-0.000 χ^2/NDF: 74436716857.3/24

All: -2.103+/-0.000 χ^2/NDF: 138898270612.9

- sign -2.119+/-0.000 χ^2/NDF: 64299553985.7/25

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:500300.6/8

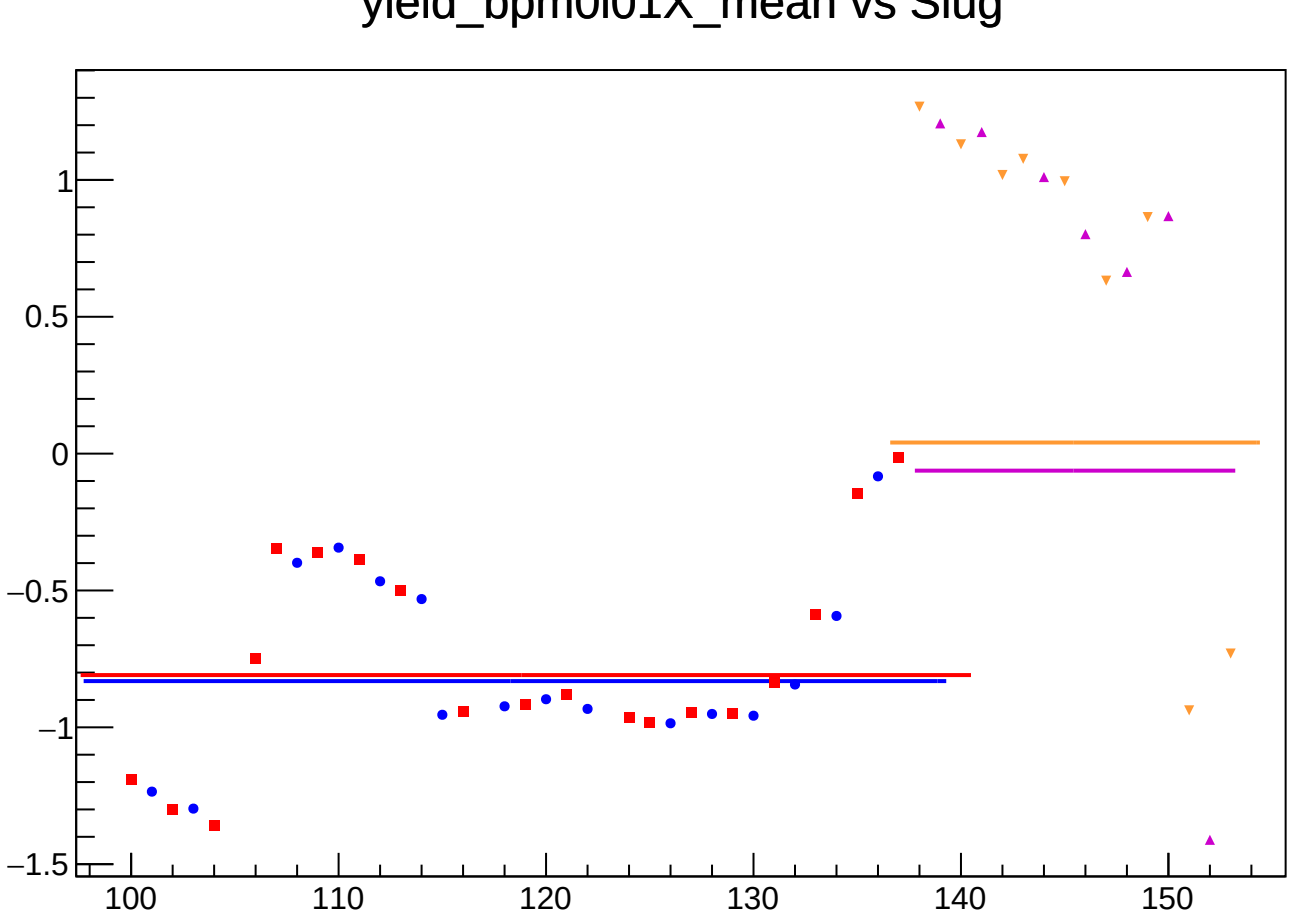
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:356102.4/6

+ sign 0.006+/-0.000 χ^2/NDF: 782022.5/24

All: 0.006+/-0.000 χ^2/NDF: 1602997.8/50

- sign 0.006+/-0.000 χ^2/NDF: 820673.8/25



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 0.041+/-0.000 χ^2/NDF:58838859410.7/8

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

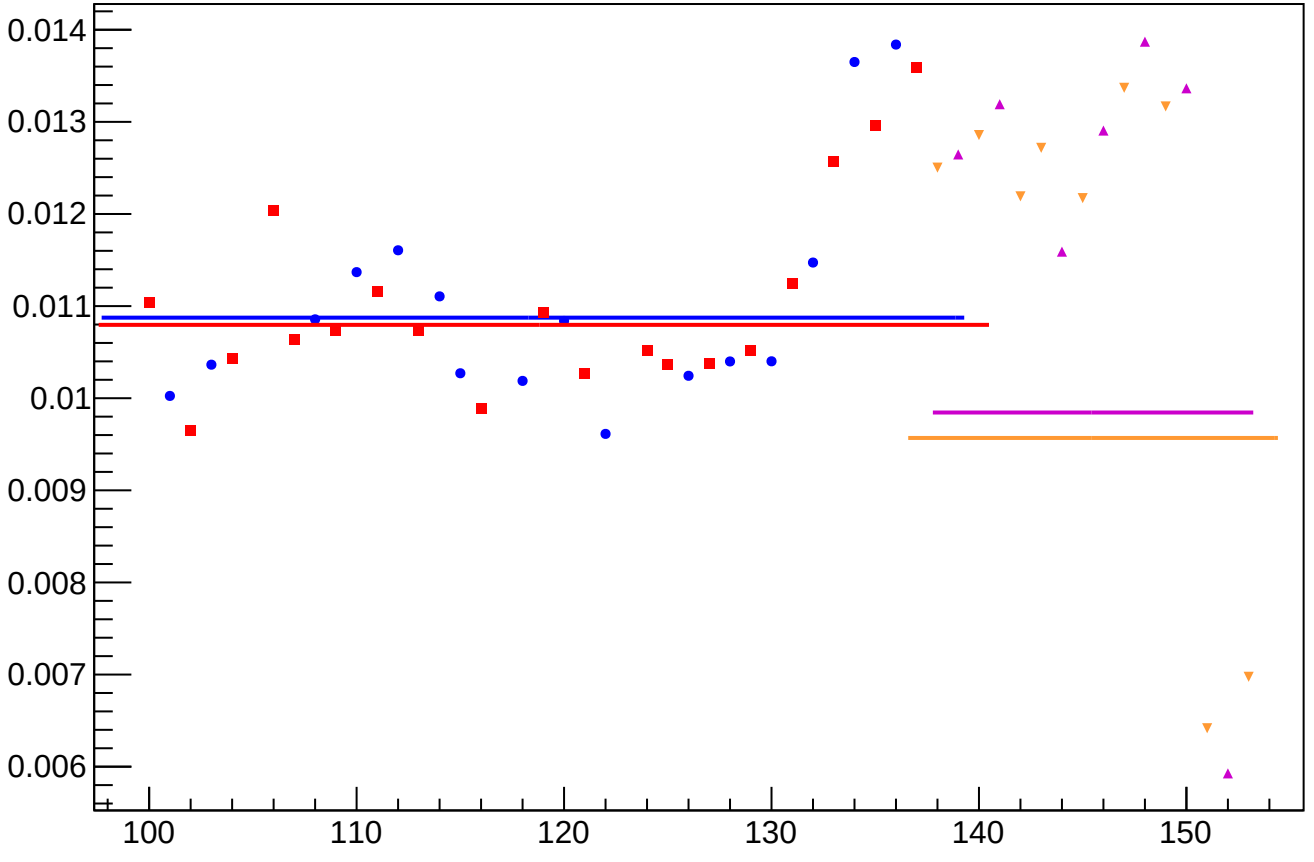
Left In: -0.062+/-0.000 χ^2/NDF:77235806698.3/6

+ sign -0.367+/-0.000 χ^2/NDF: 90002545333.5/24

All: -0.411+/-0.000 χ^2/NDF: 192129493154.9

- sign -0.458+/-0.000 χ^2/NDF: 101621320820.8/25

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:1249201.9/8

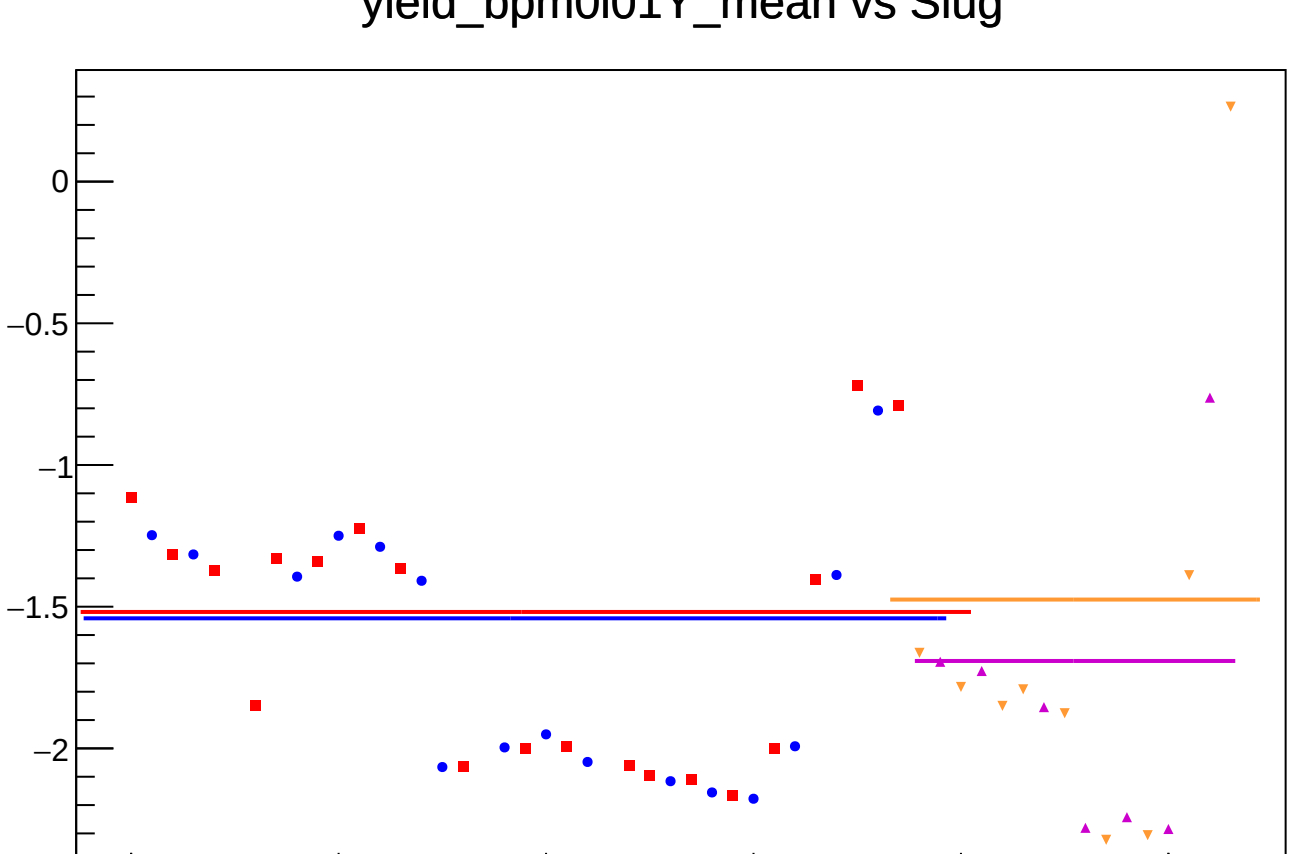
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1318446.4/6

+ sign 0.010+/-0.000 χ^2/NDF: 1514804.4/24

All: 0.010+/-0.000 χ^2/NDF: 2988600.5/50

- sign 0.010+/-0.000 χ^2/NDF: 1470282.7/25



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.475+/-0.000 χ^2/NDF:388588280822.2/8

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

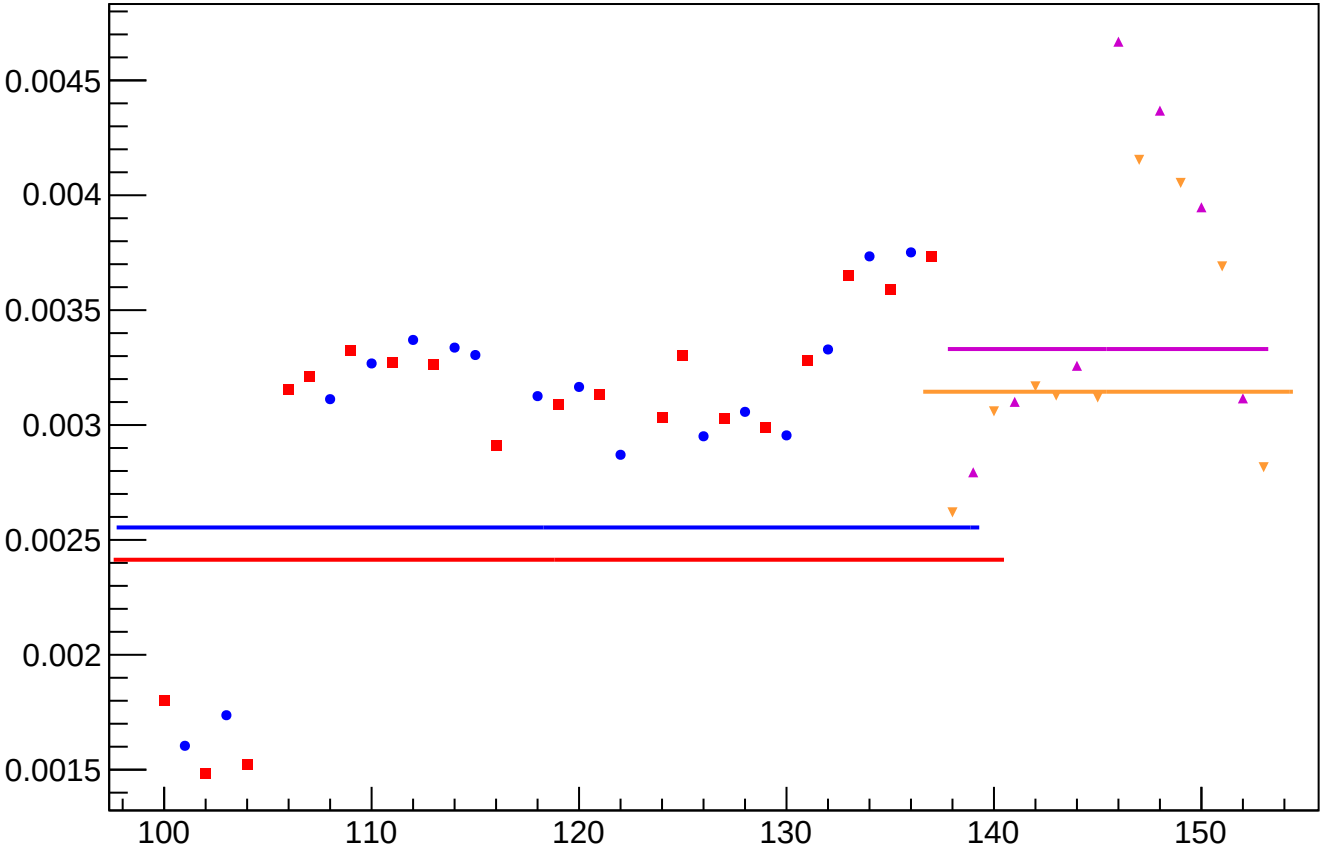
Left In: -1.692+/-0.000 χ^2/NDF:110053982716.0/6

+ sign -1.515+/-0.000 χ^2/NDF: 552593920545.7/24

All: -1.543+/-0.000 χ^2/NDF: 819609485062.6

- sign -1.572+/-0.000 χ^2/NDF: 264567717815.8/25

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:249933.3/8

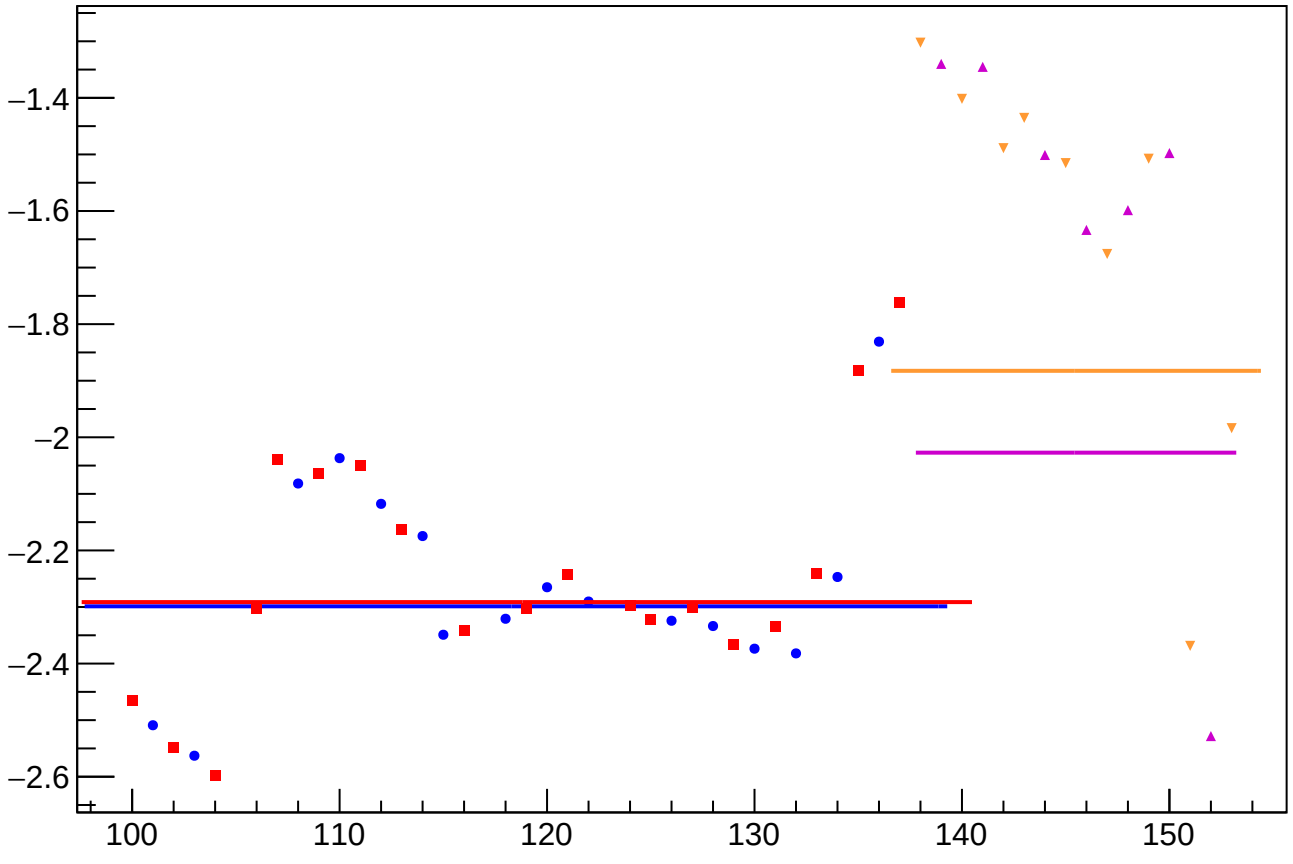
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:278712.2/6

+ sign 0.003+/-0.000 χ^2/NDF: 1676495.9/24

All: 0.003+/-0.000 χ^2/NDF: 4044097.2/50

- sign 0.003+/-0.000 χ^2/NDF: 2356062.5/25



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.883+/-0.000 χ^2/NDF:23869325442.7/8

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

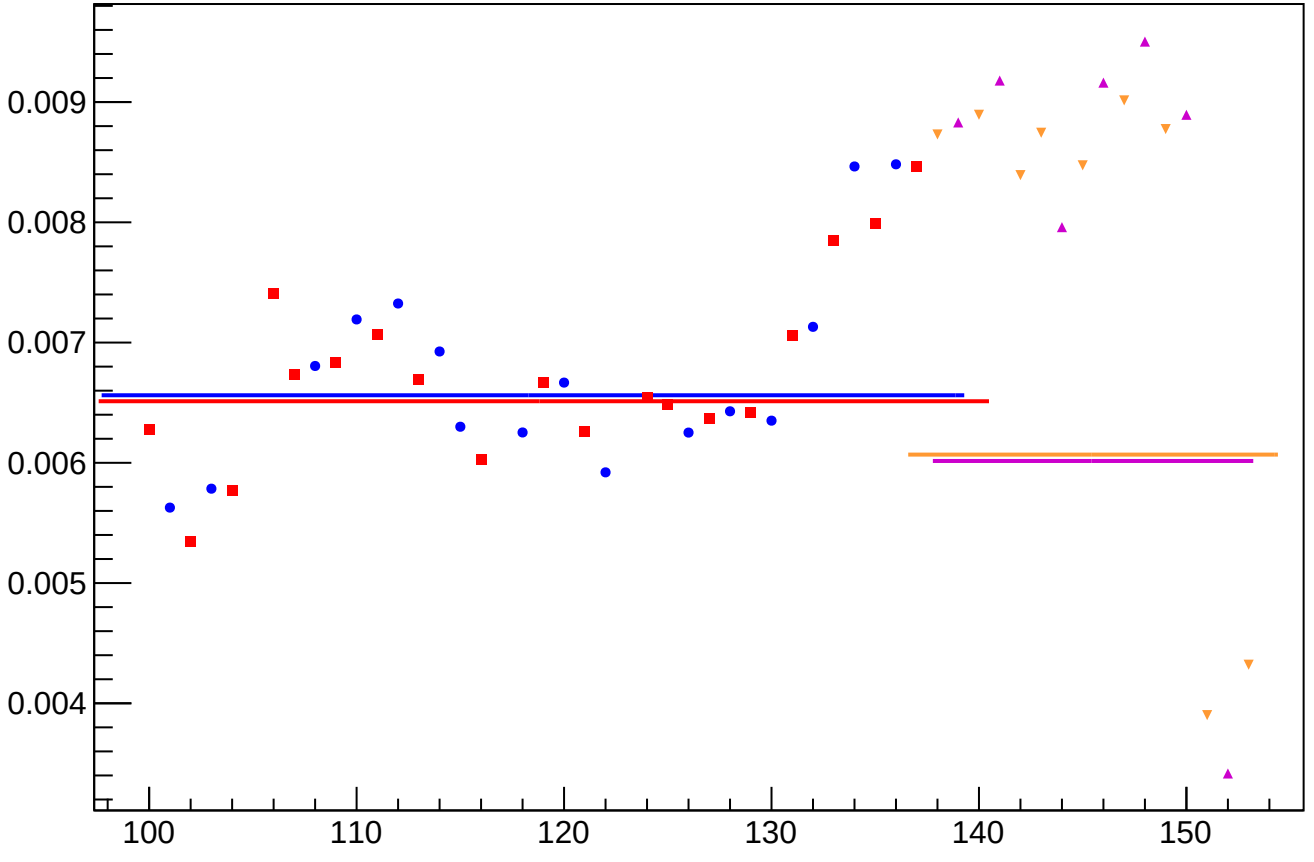
Left In: -2.027+/-0.000 χ^2/NDF:37287775235.2/6

+ sign -2.092+/-0.000 χ^2/NDF: 43832744325.5/24

All: -2.132+/-0.000 χ^2/NDF: 94178442097.1/

- sign -2.174+/-0.000 χ^2/NDF: 49301085472.4/25

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:1675972.3/8

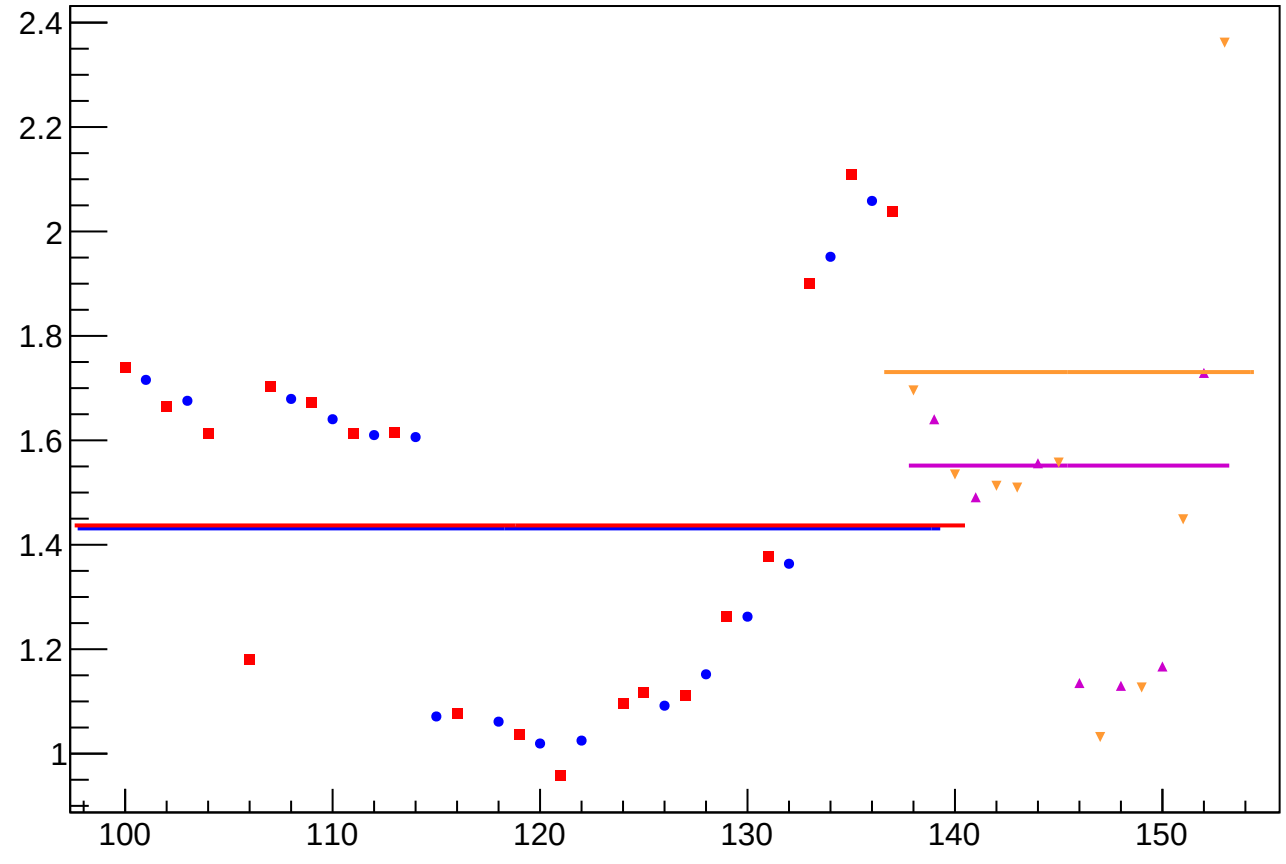
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.006+/-0.000 χ^2/NDF:1999632.9/6

+ sign 0.006+/-0.000 χ^2/NDF: 1936752.9/24

All: 0.006+/-0.000 χ^2/NDF: 4158209.5/50

- sign 0.006+/-0.000 χ^2/NDF: 2221262.3/25



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.731+/-0.000 χ^2/NDF:54478615117.0/8

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

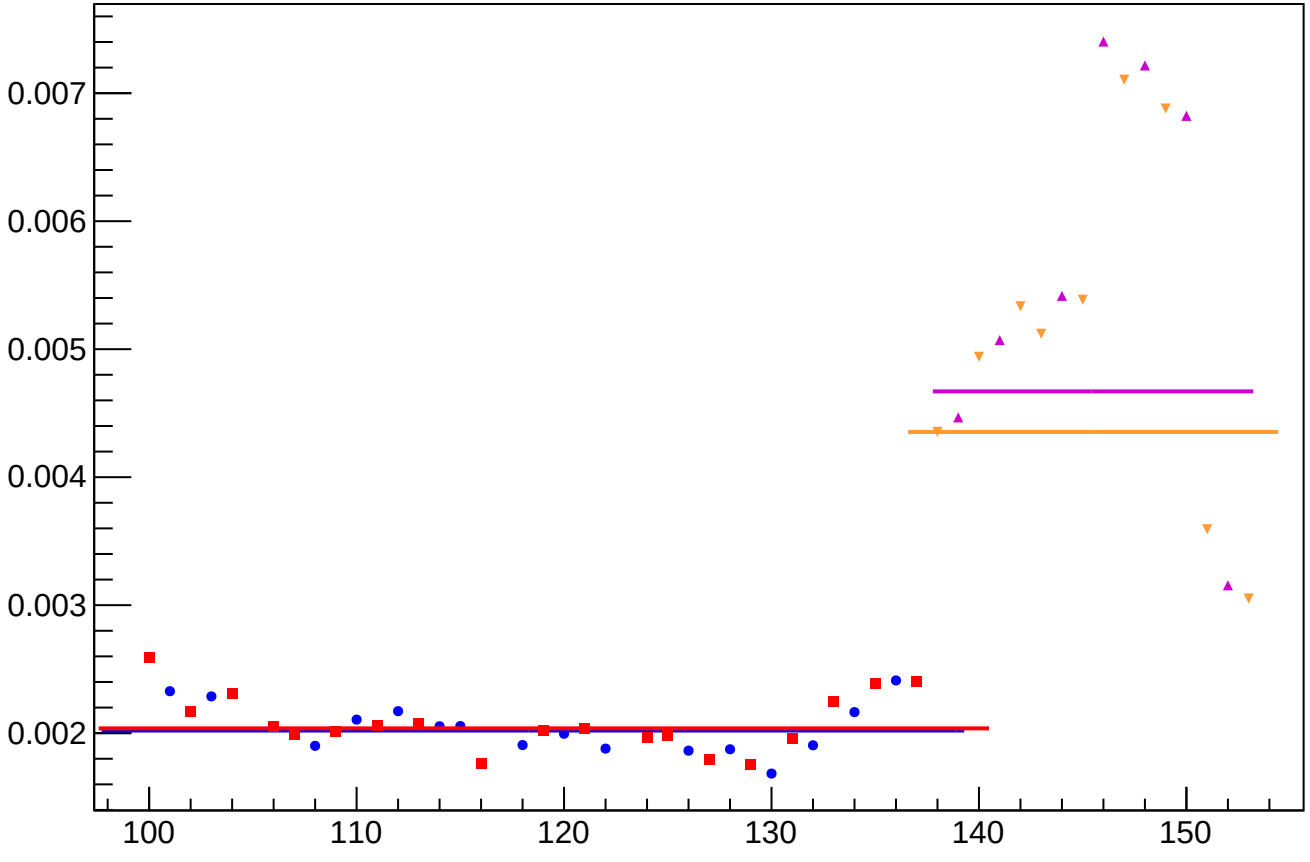
Left In: 1.552+/-0.000 χ^2/NDF:9833522764.1/6

+ sign 1.479+/-0.000 χ^2/NDF: 266966356236.0/24

All: 1.465+/-0.000 χ^2/NDF: 462205598077.9

- sign 1.451+/-0.000 χ^2/NDF: 194490070601.6/25

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:869388.2/8

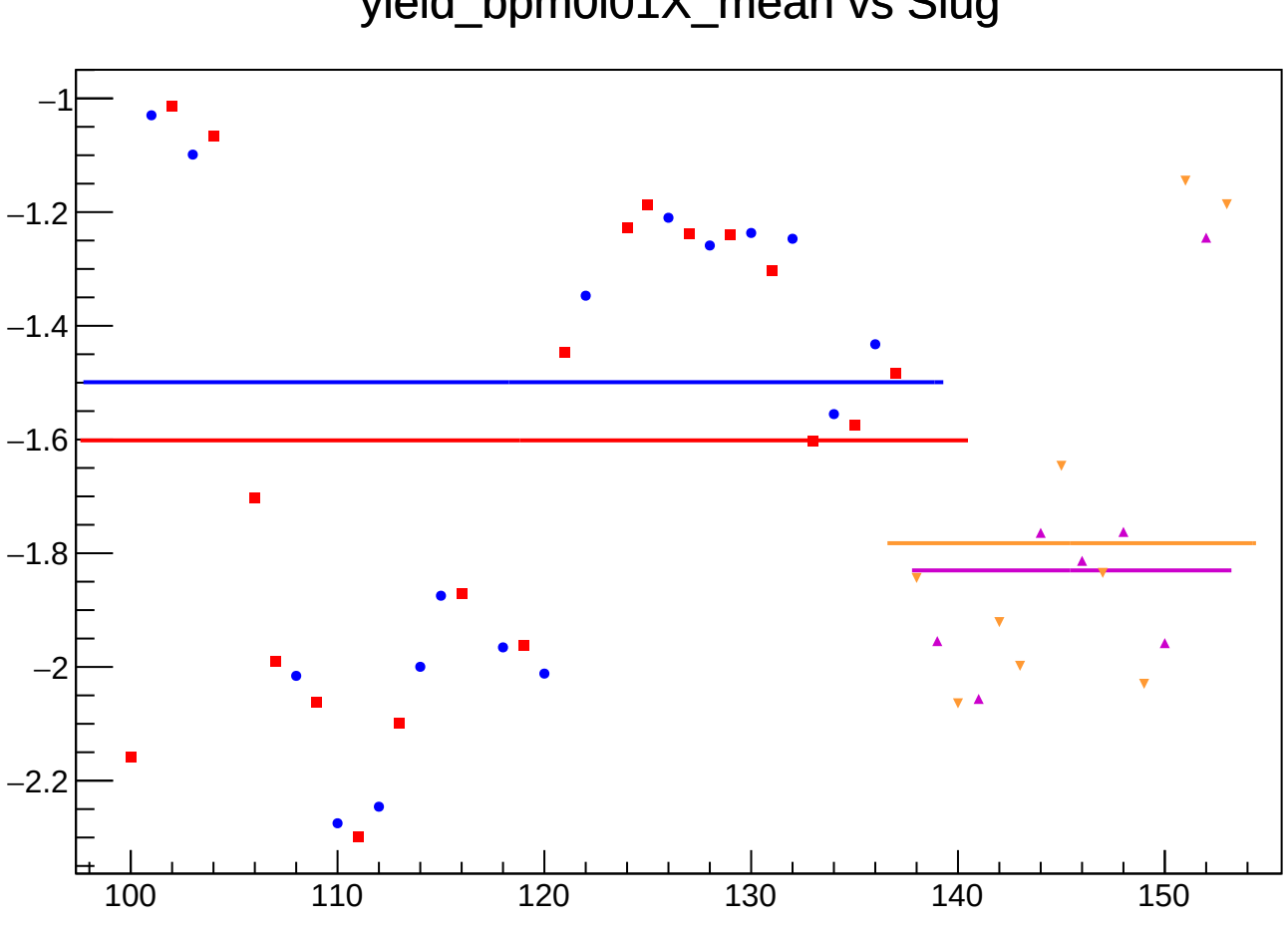
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:923947.9/6

+ sign 0.002+/-0.000 χ^2/NDF: 3853539.2/24

All: 0.002+/-0.000 χ^2/NDF: 7674919.8/50

- sign 0.002+/-0.000 χ^2/NDF: 3819397.6/25



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.782+/-0.000 χ^2/NDF:17177207599.9/8

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

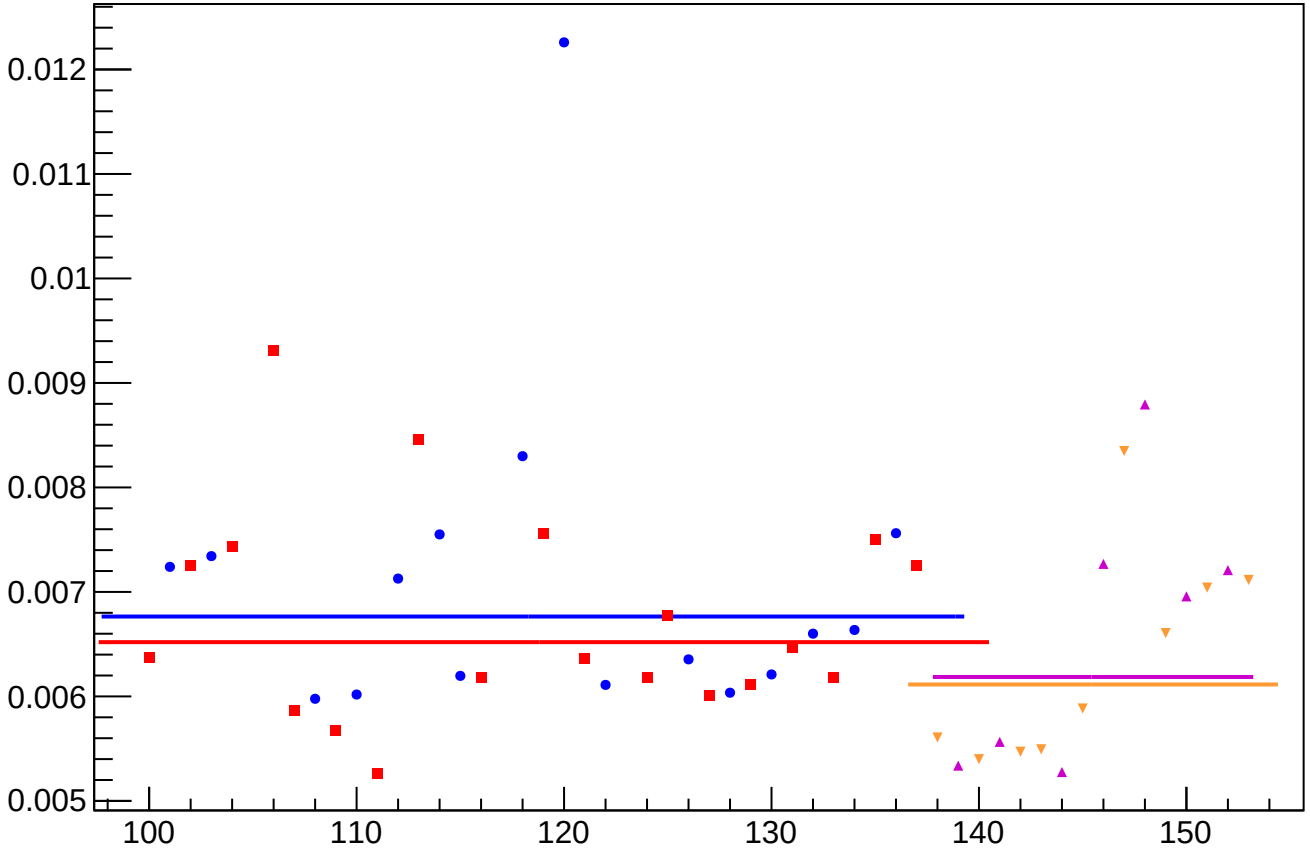
Left In: -1.830+/-0.000 χ^2/NDF:7659255610.8/6

+ sign -1.655+/-0.000 χ^2/NDF: 46376320119.0/24

All: -1.682+/-0.000 χ^2/NDF: 86818135864.9/

- sign -1.709+/-0.000 χ^2/NDF: 39987577501.9/25

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:248934.6/8

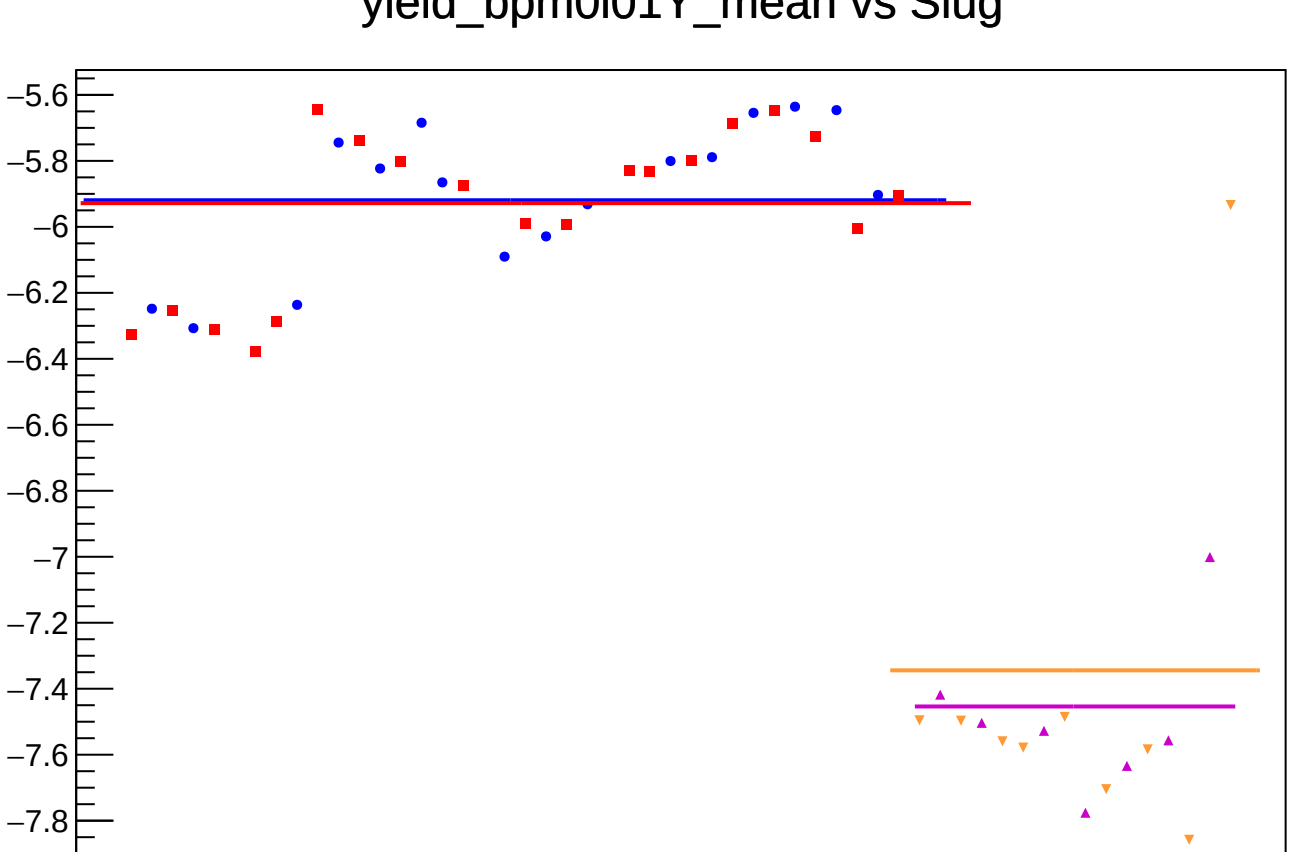
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:332158.3/6

+ sign 0.006+/-0.000 χ^2/NDF: 553628.0/24

All: 0.006+/-0.000 χ^2/NDF: 1148810.9/50

- sign 0.006+/-0.000 χ^2/NDF: 594586.9/25



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.344+/-0.000 χ^2/NDF:22126242238.0/8

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

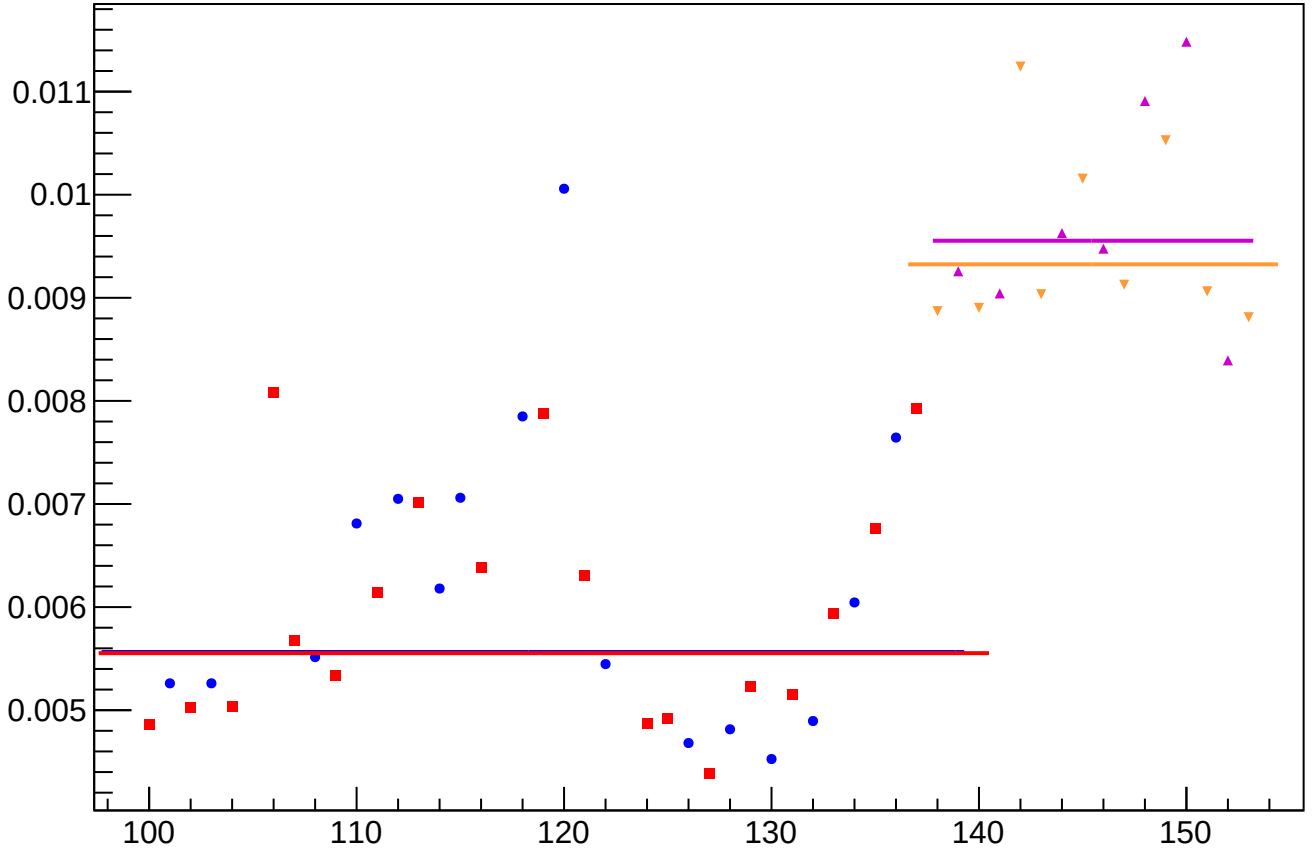
Left In: -7.454+/-0.000 χ^2/NDF:3053897269.1/6

+ sign -6.241+/-0.000 χ^2/NDF: 124756359150.2/24

All: -6.228+/-0.000 χ^2/NDF: 232720921130.3

- sign -6.215+/-0.000 χ^2/NDF: 107874867995.9/25

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:54662.2/8

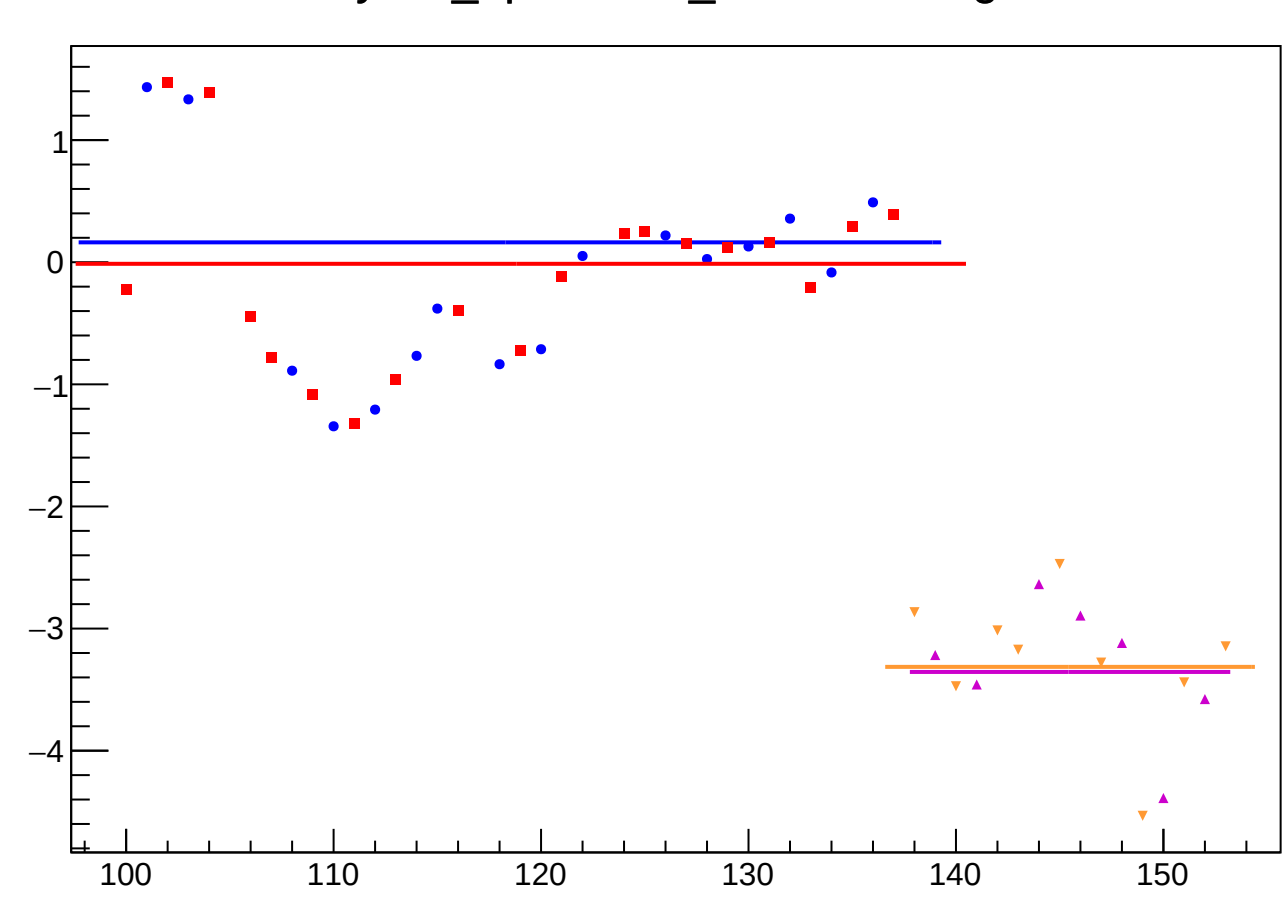
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:89503.9/6

+ sign 0.006+/-0.000 χ^2/NDF: 1815884.6/24

All: 0.006+/-0.000 χ^2/NDF: 3540277.9/50

- sign 0.006+/-0.000 χ^2/NDF: 1721354.0/25



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.314+/-0.000 χ^2/NDF:6277559816.7/8

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

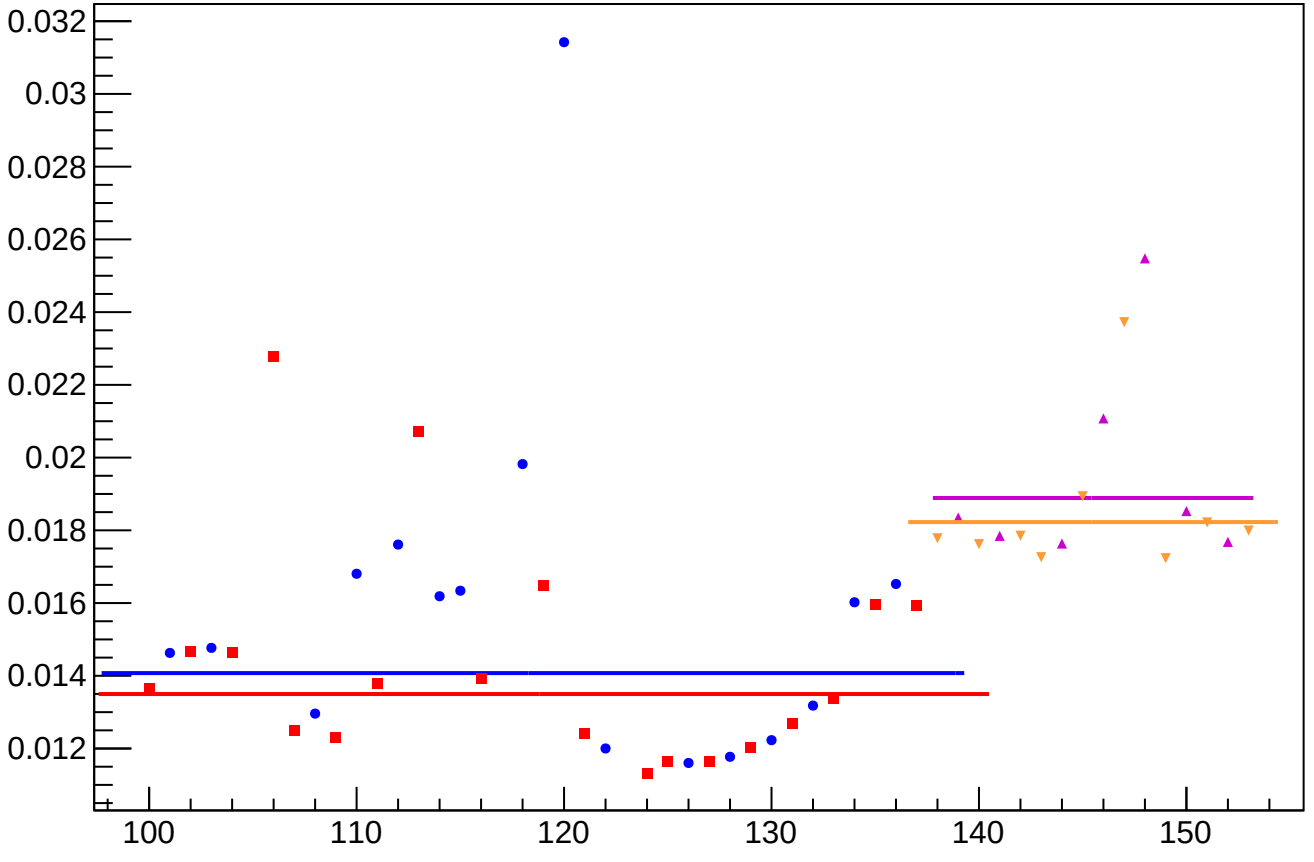
Left In: -3.355+/-0.000 χ^2/NDF:4673989020.9/6

+ sign -1.164+/-0.000 χ^2/NDF: 171082595366.6/24

All: -1.085+/-0.000 χ^2/NDF: 322592467066.4

- sign -1.009+/-0.000 χ^2/NDF: 150875779976.9/25

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:95990.6/8

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

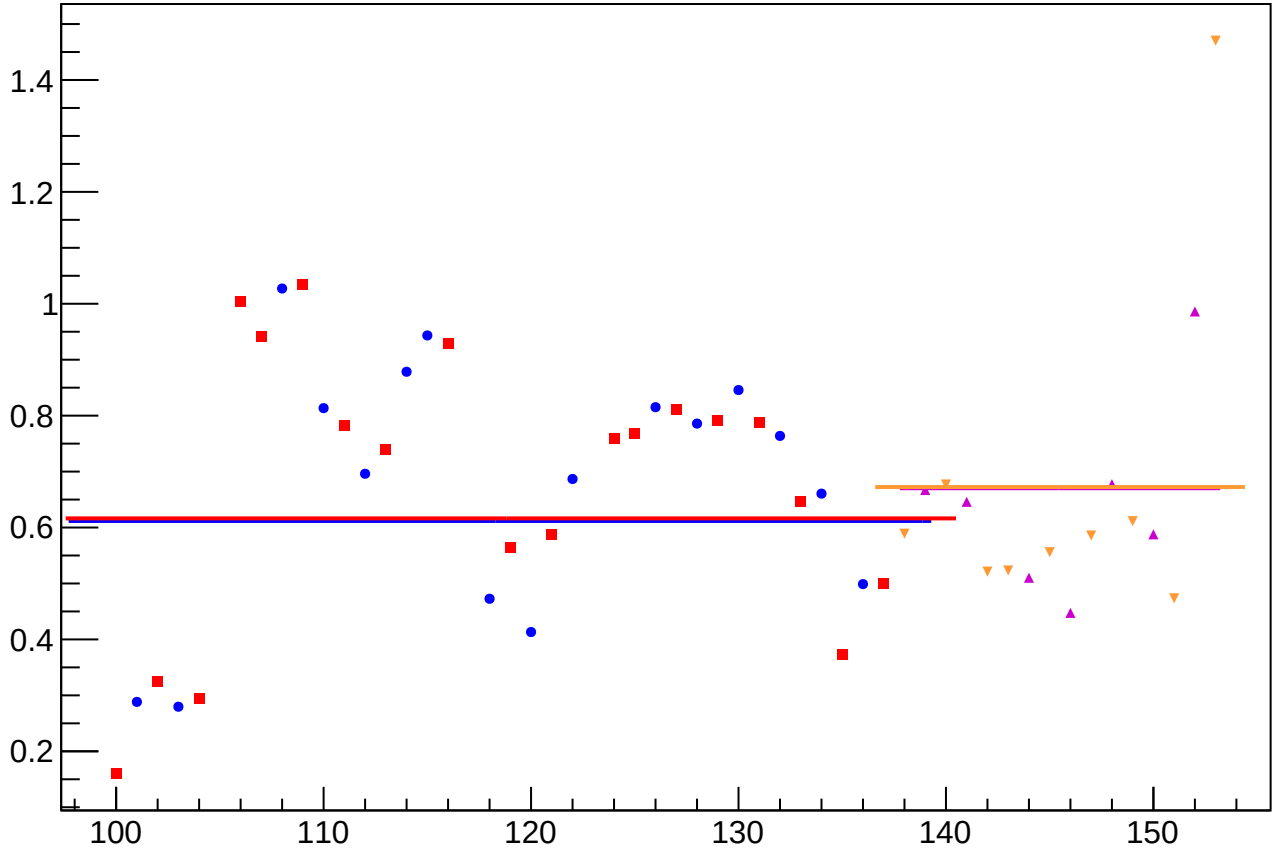
Left In: 0.019+/-0.000 χ^2/NDF:141467.1/6

+ sign 0.016+/-0.000 χ^2/NDF: 980560.2/24

All: 0.015+/-0.000 χ^2/NDF: 2096671.9/50

- sign 0.015+/-0.000 χ^2/NDF: 1100013.5/25

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.672+/-0.000 χ^2/NDF:6590691051.9/8

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

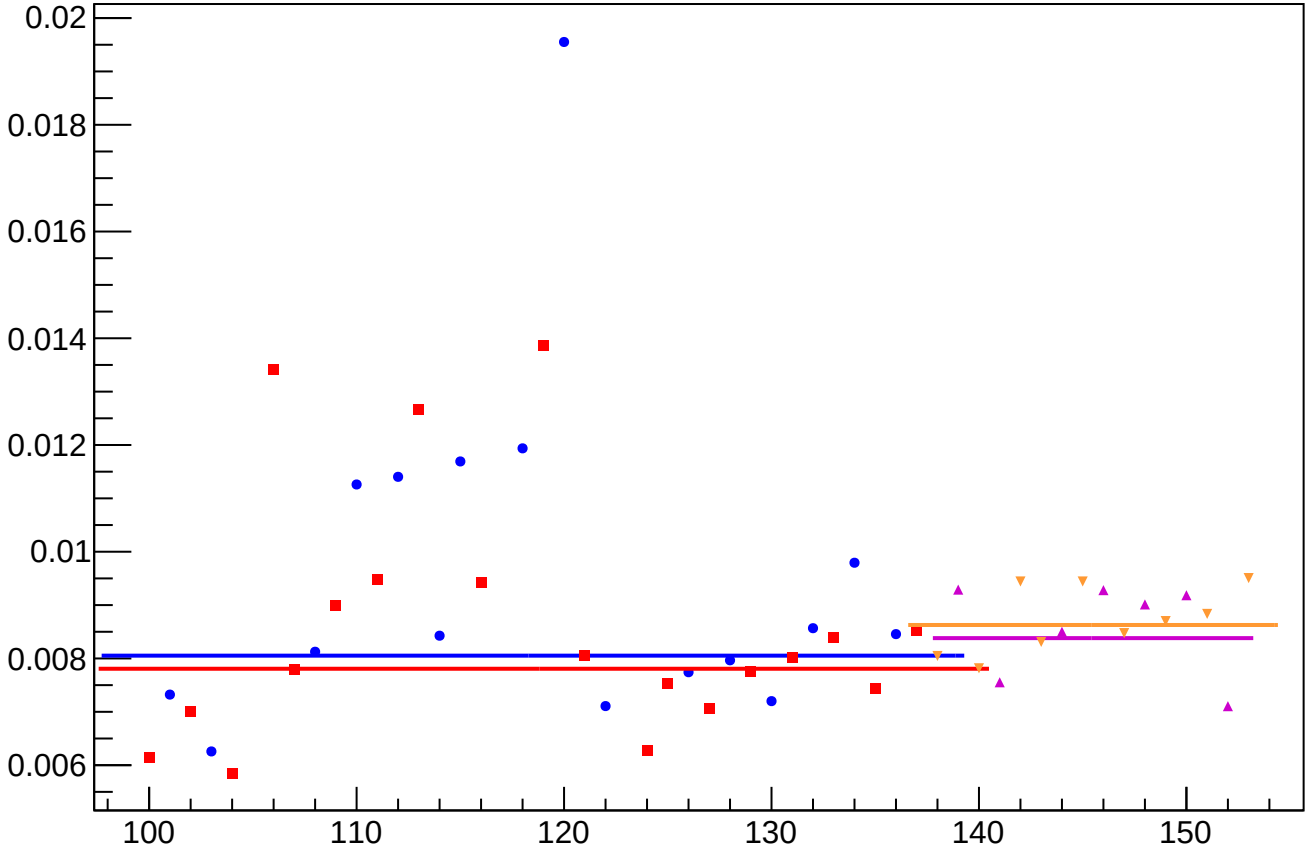
Left In: 0.670+/-0.000 χ^2/NDF:2261558204.6/6

+ sign 0.640+/-0.000 χ^2/NDF: 12389913320.8/24

All: 0.639+/-0.000 χ^2/NDF: 21198679630.5/5

- sign 0.639+/-0.000 χ^2/NDF: 8808685898.6/25

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:54890.0/8

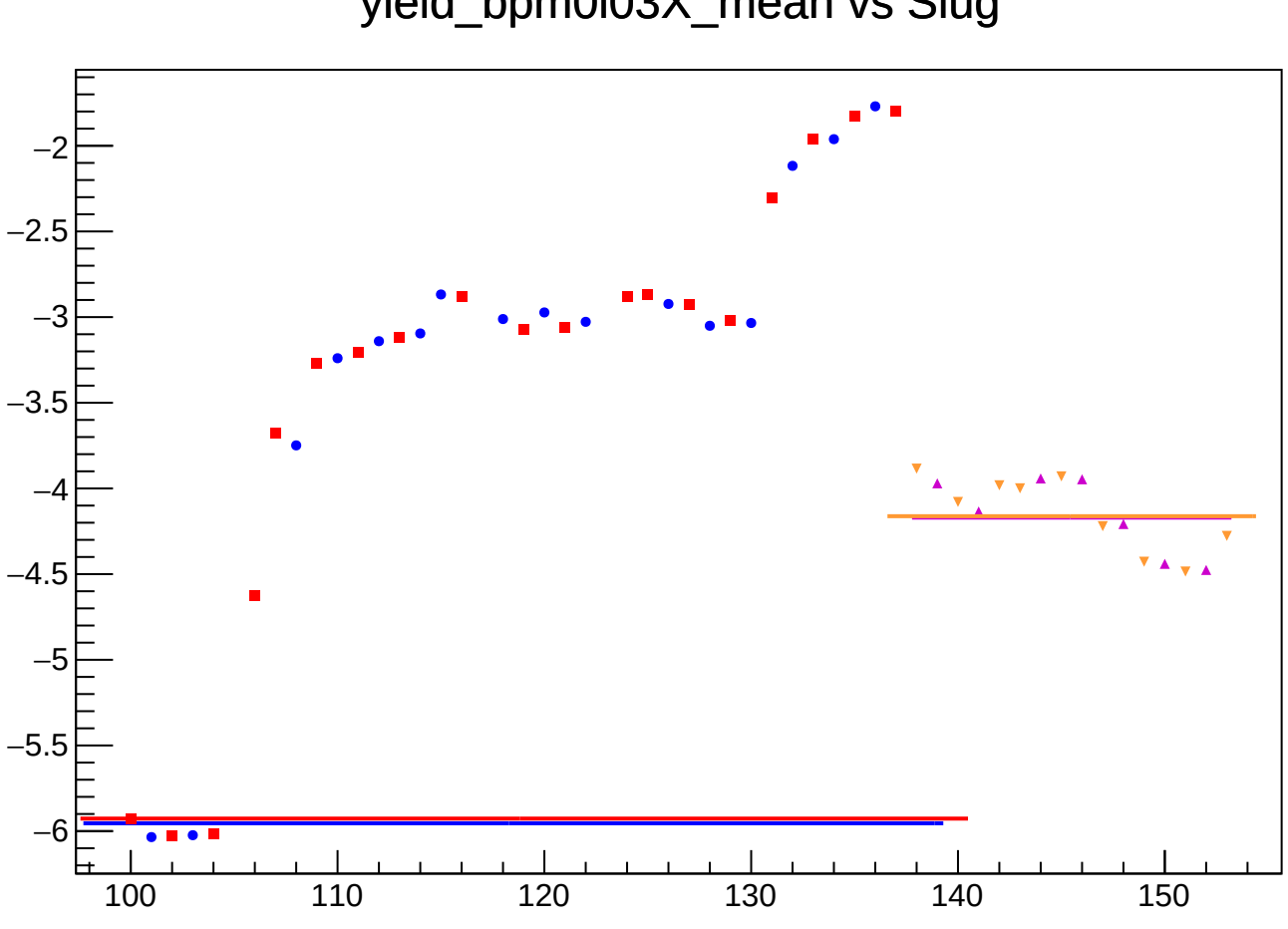
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:115003.4/6

+ sign 0.008+/-0.000 χ^2/NDF: 682020.0/24

All: 0.008+/-0.000 χ^2/NDF: 1426206.2/50

- sign 0.008+/-0.000 χ^2/NDF: 731020.1/25



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.162+/-0.000 χ^2/NDF:50253227.4/8

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

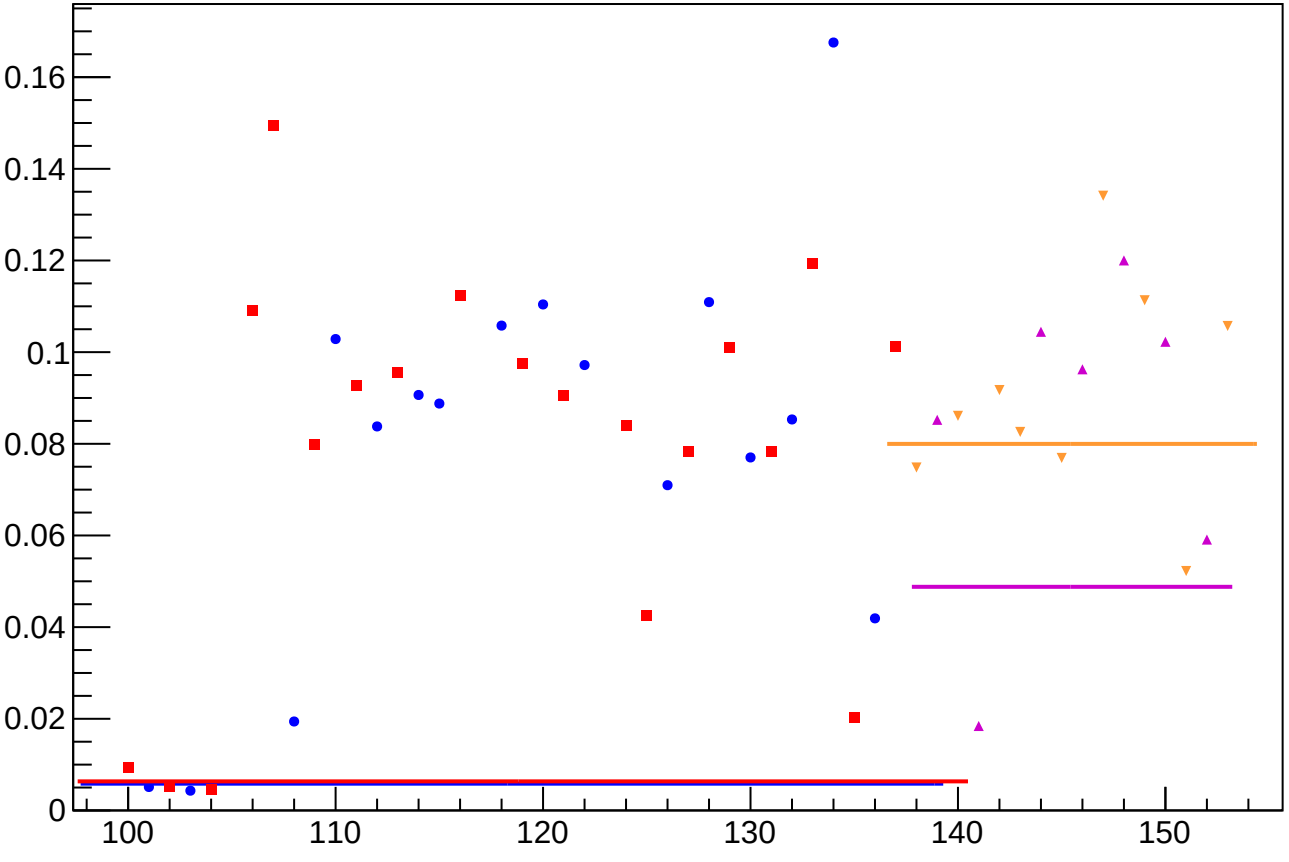
Left In: -4.170+/-0.000 χ^2/NDF:35361879.8/6

+ sign -5.923+/-0.000 χ^2/NDF: 15986320034.2/24

All: -5.902+/-0.000 χ^2/NDF: 33708468034.7/

- sign -5.877+/-0.000 χ^2/NDF: 17670889198.5/25

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.080+/-0.000 χ^2/NDF:813577.3/8

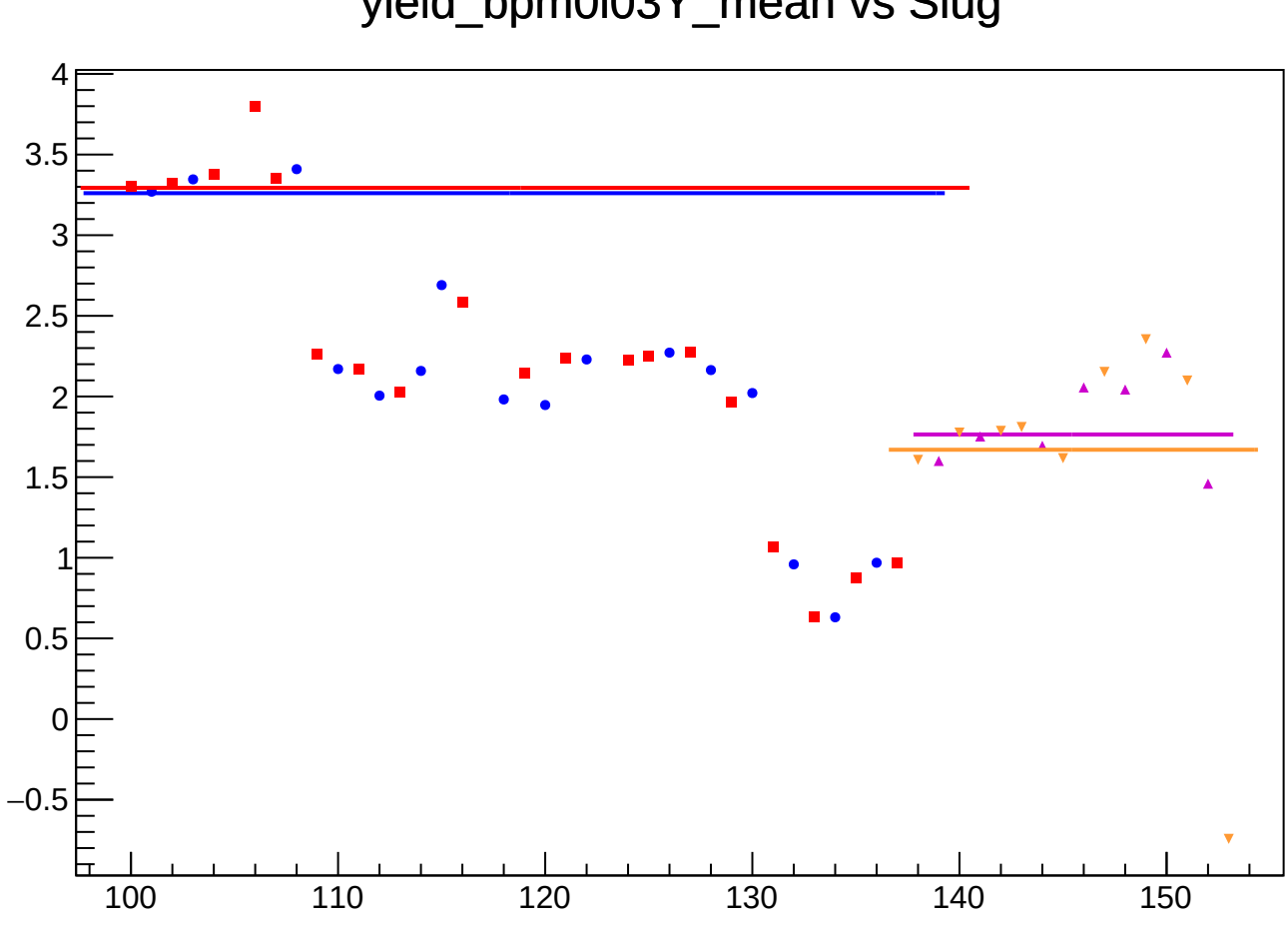
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.049+/-0.000 χ^2/NDF:3287260.4/6

+ sign 0.007+/-0.000 χ^2/NDF: 19222067.8/24

All: 0.007+/-0.000 χ^2/NDF: 35606353.0/50

- sign 0.008+/-0.000 χ^2/NDF: 16375162.4/25



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.670+/-0.000 χ^2/NDF:437992523.2/8

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

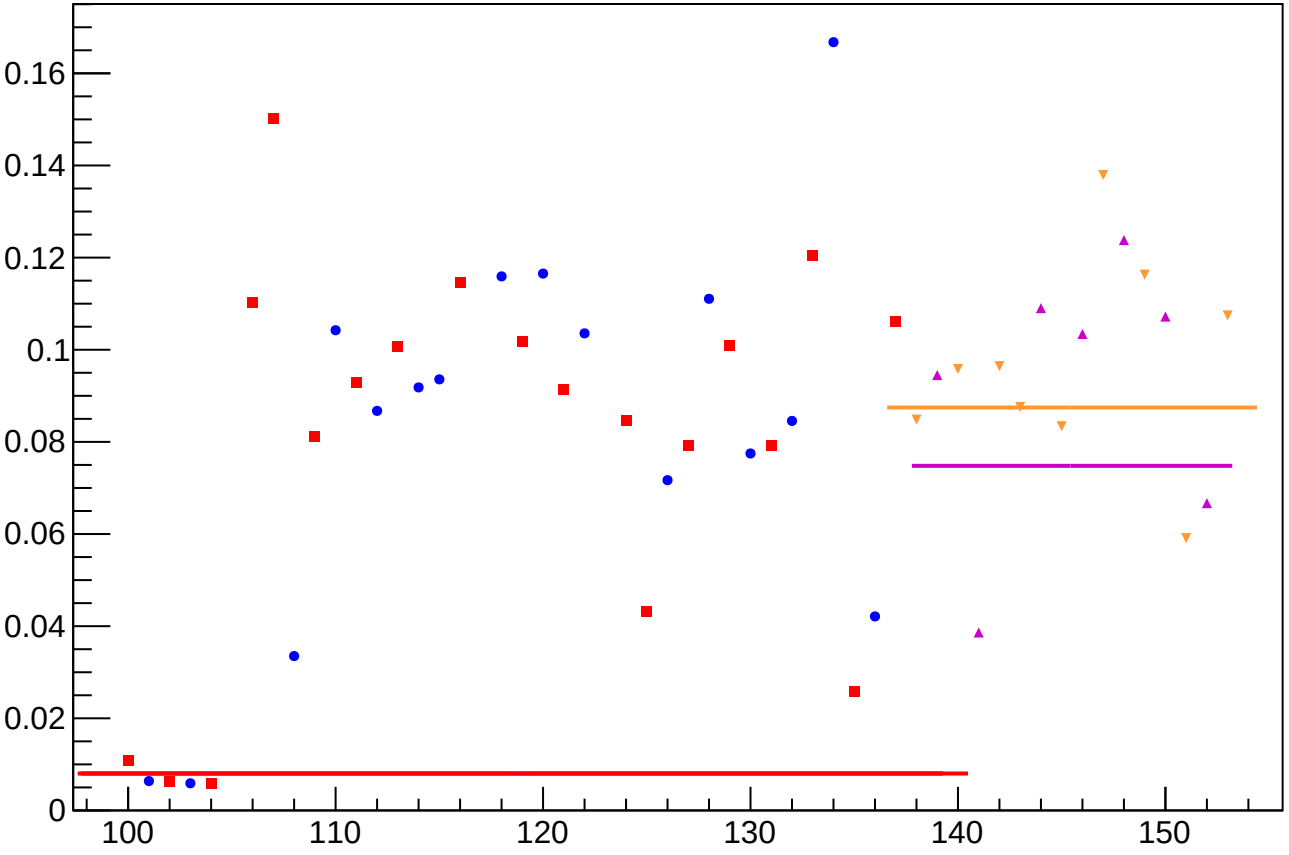
Left In: 1.764+/-0.000 χ^2/NDF:43395060.9/6

+ sign 3.222+/-0.000 χ^2/NDF: 5349523060.6/24

All: 3.239+/-0.000 χ^2/NDF: 10333157210.1/5

- sign 3.256+/-0.000 χ^2/NDF: 4965598315.4/25

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.087+/-0.000 χ^2/NDF:649062.6/8

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

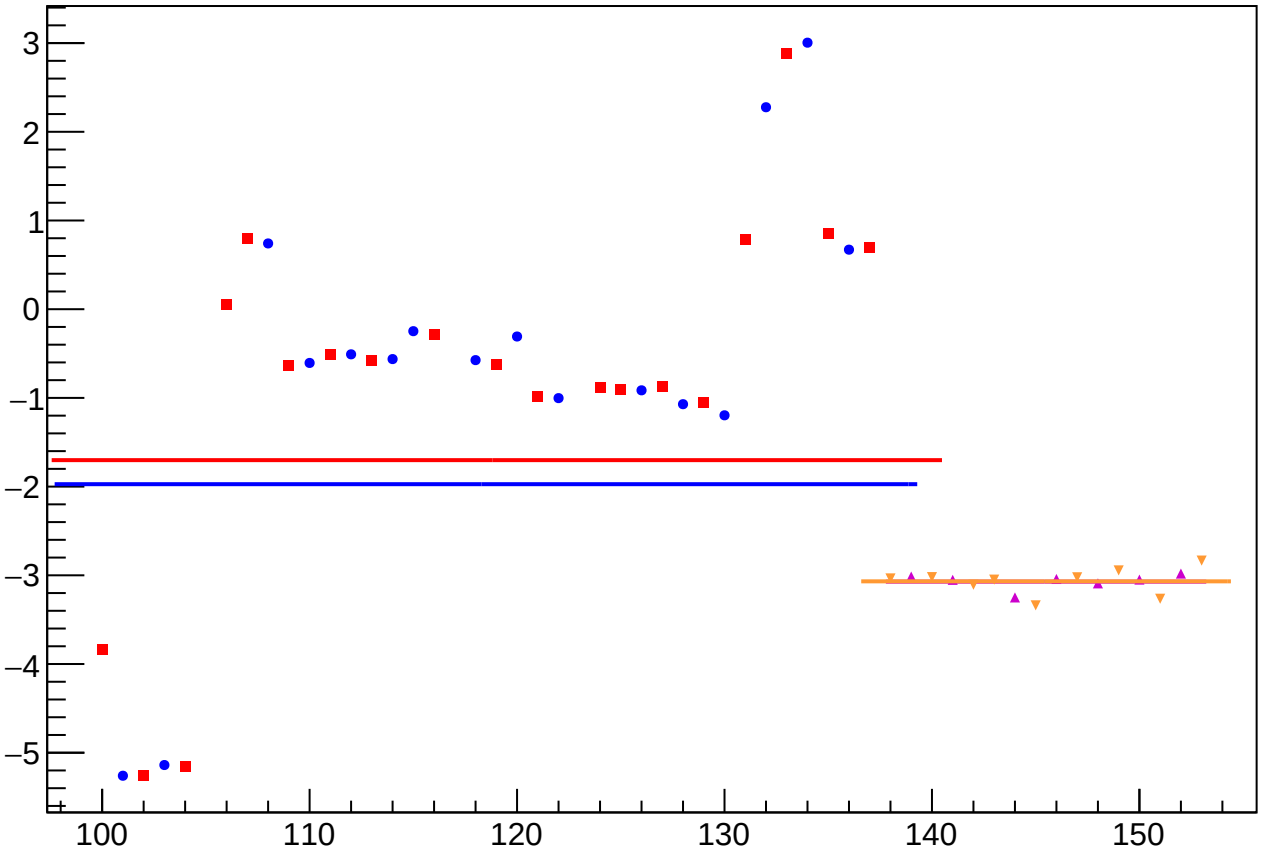
Left In: 0.075+/-0.000 χ^2/NDF:1379055.7/6

+ sign 0.010+/-0.000 χ^2/NDF: 18551446.9/24

All: 0.010+/-0.000 χ^2/NDF: 34878037.0/50

- sign 0.010+/-0.000 χ^2/NDF: 16323999.7/25

yield_bpm0l04X_mean vs Slug



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.068+/-0.000 χ^2/NDF:2272516323.6/8

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

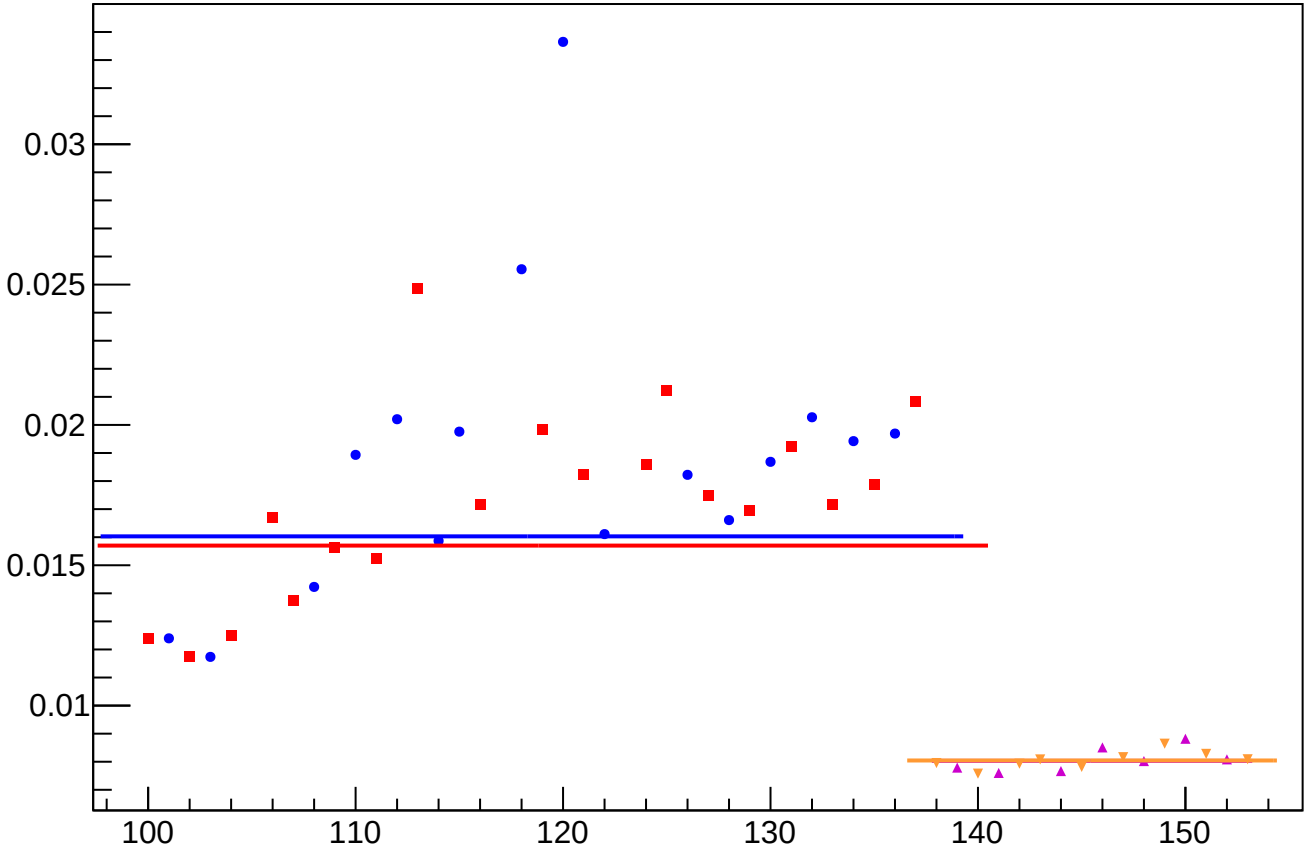
Left In: -3.072+/-0.000 χ^2/NDF:643434726.4/6

+ sign -2.871+/-0.000 χ^2/NDF: 186542664288.9/24

All: -2.822+/-0.000 χ^2/NDF: 393733847725.4

- sign -2.768+/-0.000 χ^2/NDF: 206549295606.0/25

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:17342.0/8

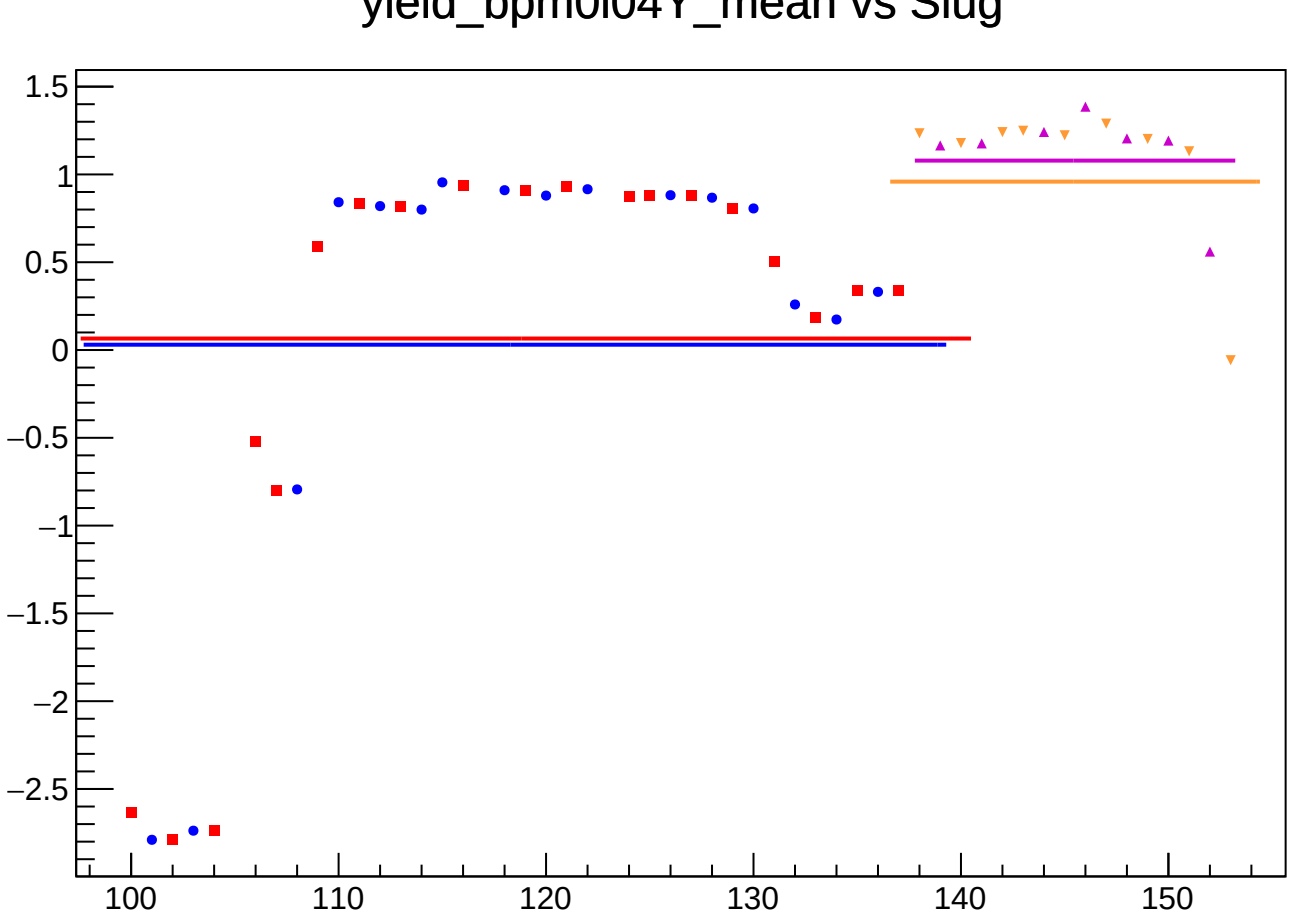
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:30212.2/6

+ sign 0.009+/-0.000 χ^2/NDF: 3123181.3/24

All: 0.010+/-0.000 χ^2/NDF: 6032758.6/50

- sign 0.010+/-0.000 χ^2/NDF: 2902063.5/25



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.959+/-0.000 χ^2/NDF:26369299758.6/8

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

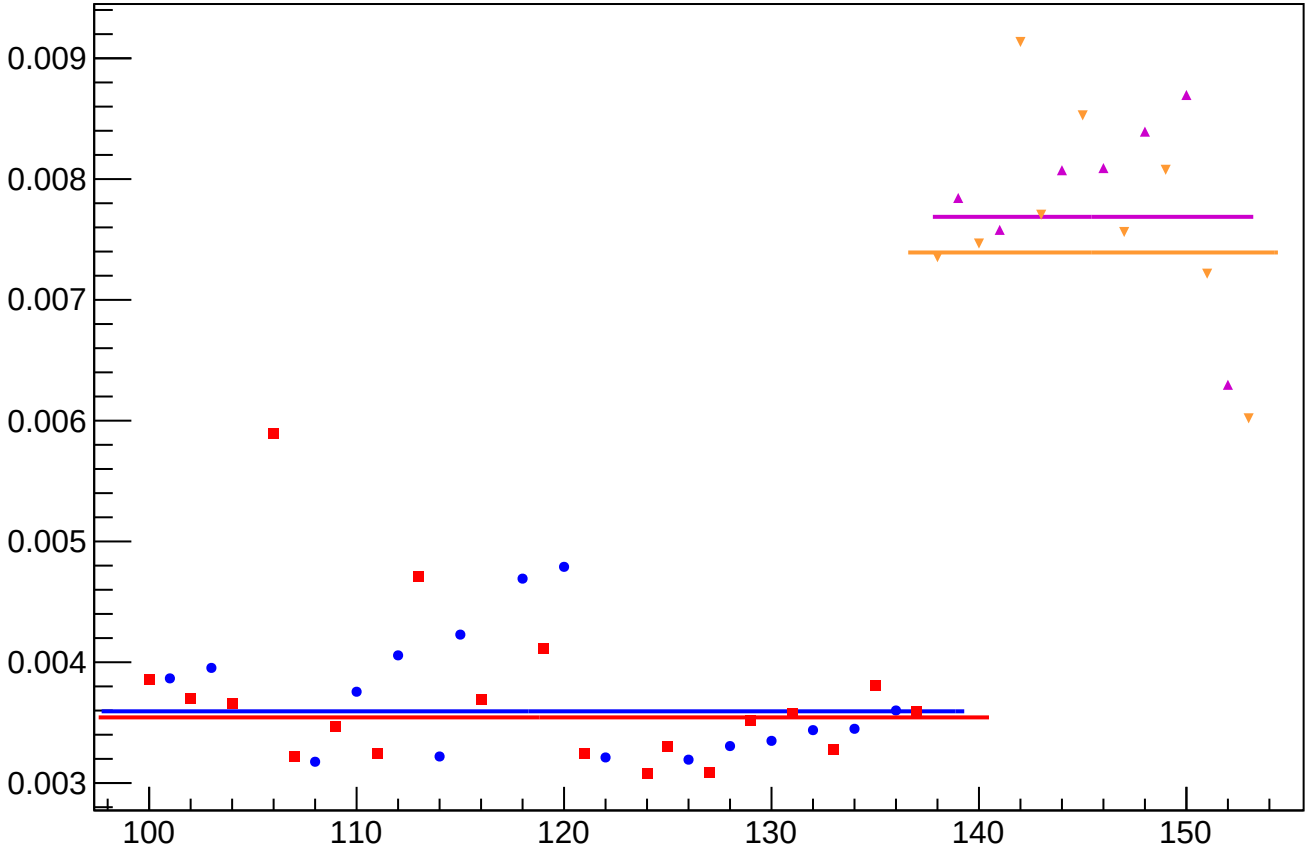
Left In: 1.079+/-0.000 χ^2/NDF:6727340053.7/6

+ sign 0.181+/-0.000 χ^2/NDF: 950834633880.5/24

All: 0.188+/-0.000 χ^2/NDF: 1967175914531.

- sign 0.196+/-0.000 χ^2/NDF: 1016267869865.1/25

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:138270.9/8

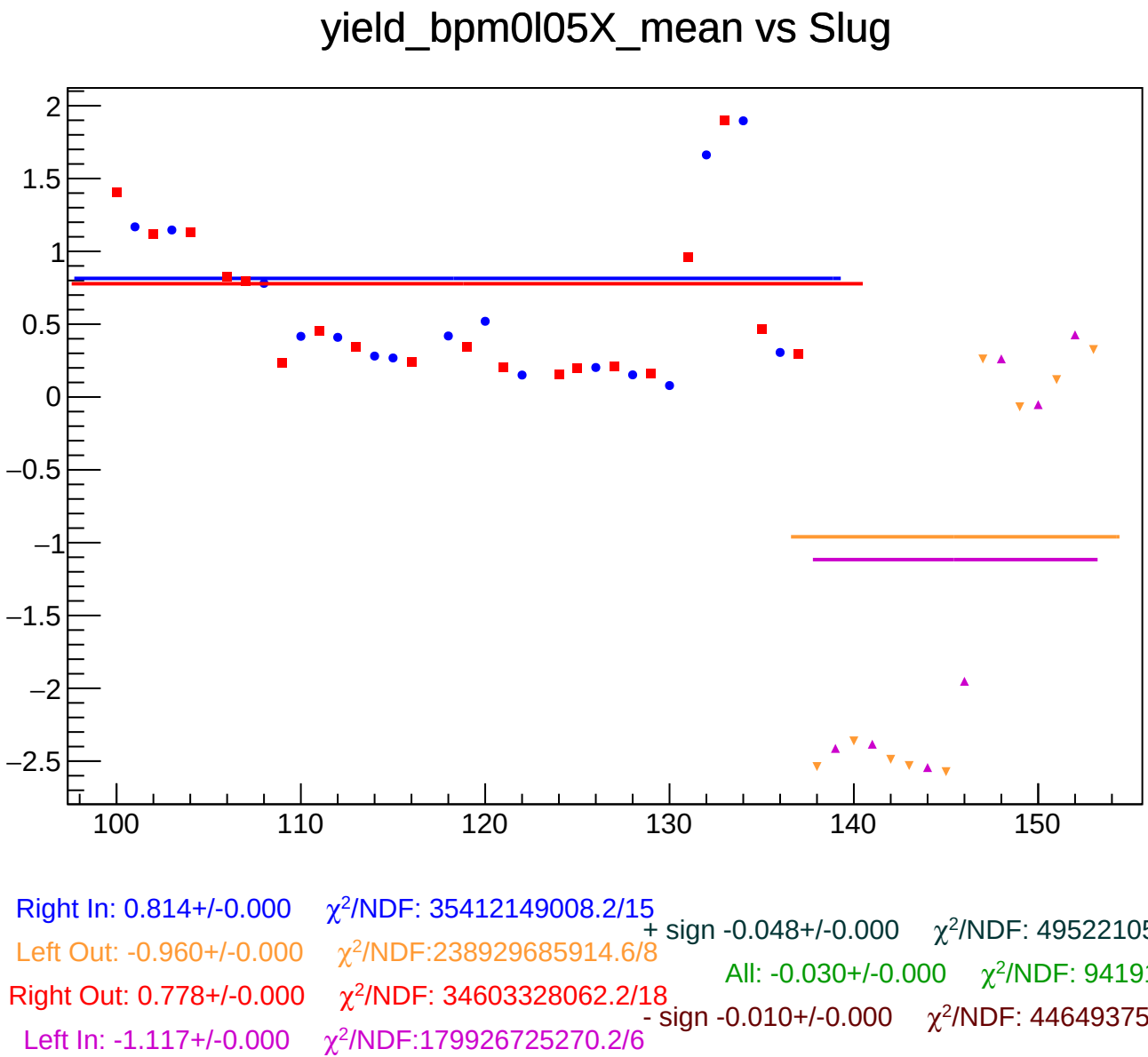
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:108293.6/6

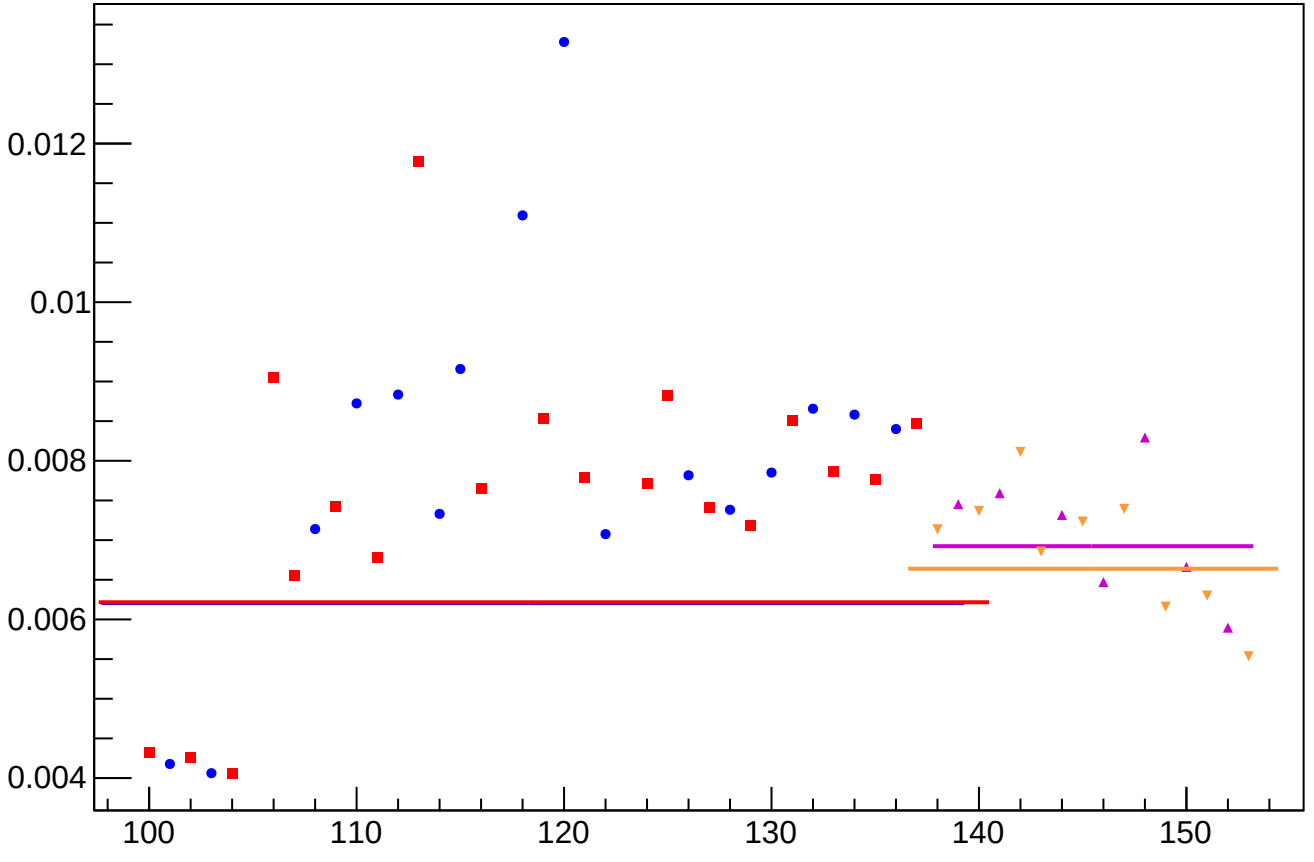
+ sign 0.004+/-0.000 χ^2/NDF: 2753886.0/24

All: 0.004+/-0.000 χ^2/NDF: 5574594.3/50

- sign 0.004+/-0.000 χ^2/NDF: 2809772.0/25


yield_bpm0l05X_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
Right In: 0.814+/-0.000 χ²/NDF: 35412149008.2/15
Left Out: -0.960+/-0.000 χ²/NDF:238929685914.6/8
Right Out: 0.778+/-0.000 χ²/NDF: 34603328062.2/18
Left In: -1.117+/-0.000 χ²/NDF:179926725270.2/6
+ sign -0.048+/-0.000 χ²/NDF: 495221059132.9/24
All: -0.030+/-0.000 χ²/NDF: 941918695621.1
- sign -0.010+/-0.000 χ²/NDF: 446493754635.1/25

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:146500.7/8

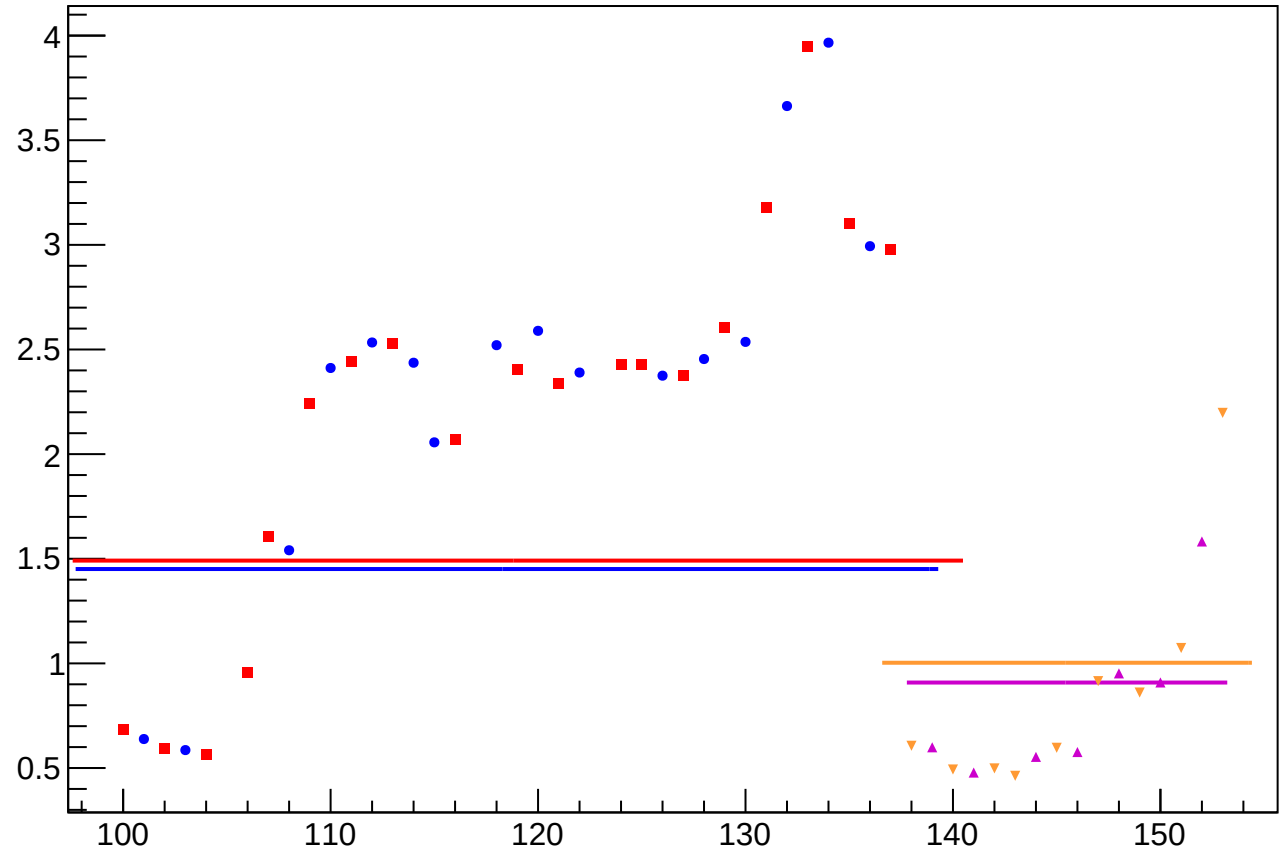
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:122730.8/6

+ sign 0.006+/-0.000 χ^2/NDF: 1596778.2/24

All: 0.006+/-0.000 χ^2/NDF: 2947646.5/50

- sign 0.007+/-0.000 χ^2/NDF: 1348481.6/25



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.003+/-0.000 χ^2/NDF:47400856332.7/8

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

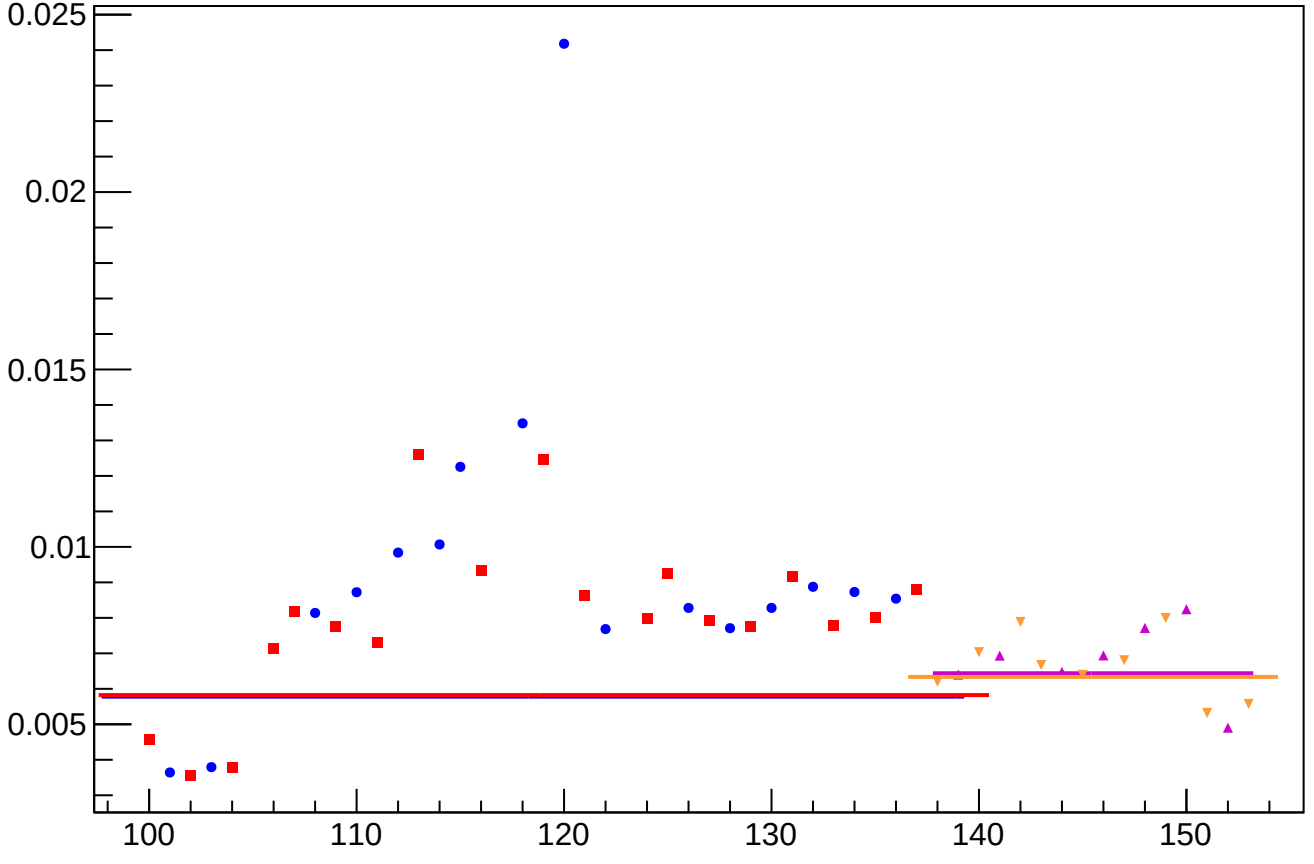
Left In: 0.908+/-0.000 χ^2/NDF:21018876072.7/6

+ sign 1.243+/-0.000 χ^2/NDF: 230969170171.1/24

All: 1.250+/-0.000 χ^2/NDF: 461055682814.1

- sign 1.256+/-0.000 χ^2/NDF: 230063280853.9/25

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:174377.5/8

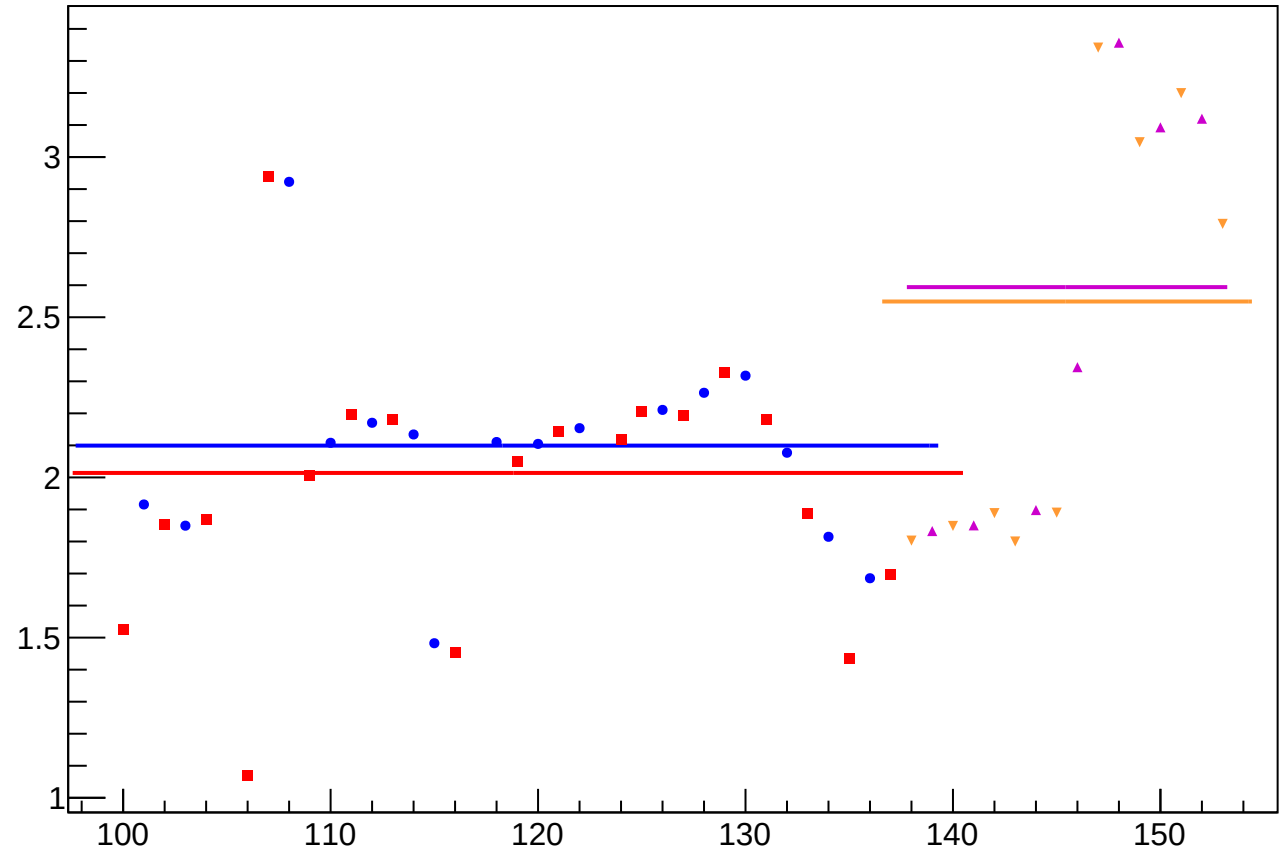
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:255436.5/6

+ sign 0.006+/-0.000 χ^2/NDF: 2431127.3/24

All: 0.006+/-0.000 χ^2/NDF: 4691843.7/50

- sign 0.006+/-0.000 χ^2/NDF: 2260404.1/25



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.549+/-0.000 χ^2/NDF:39211000473.4/8

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

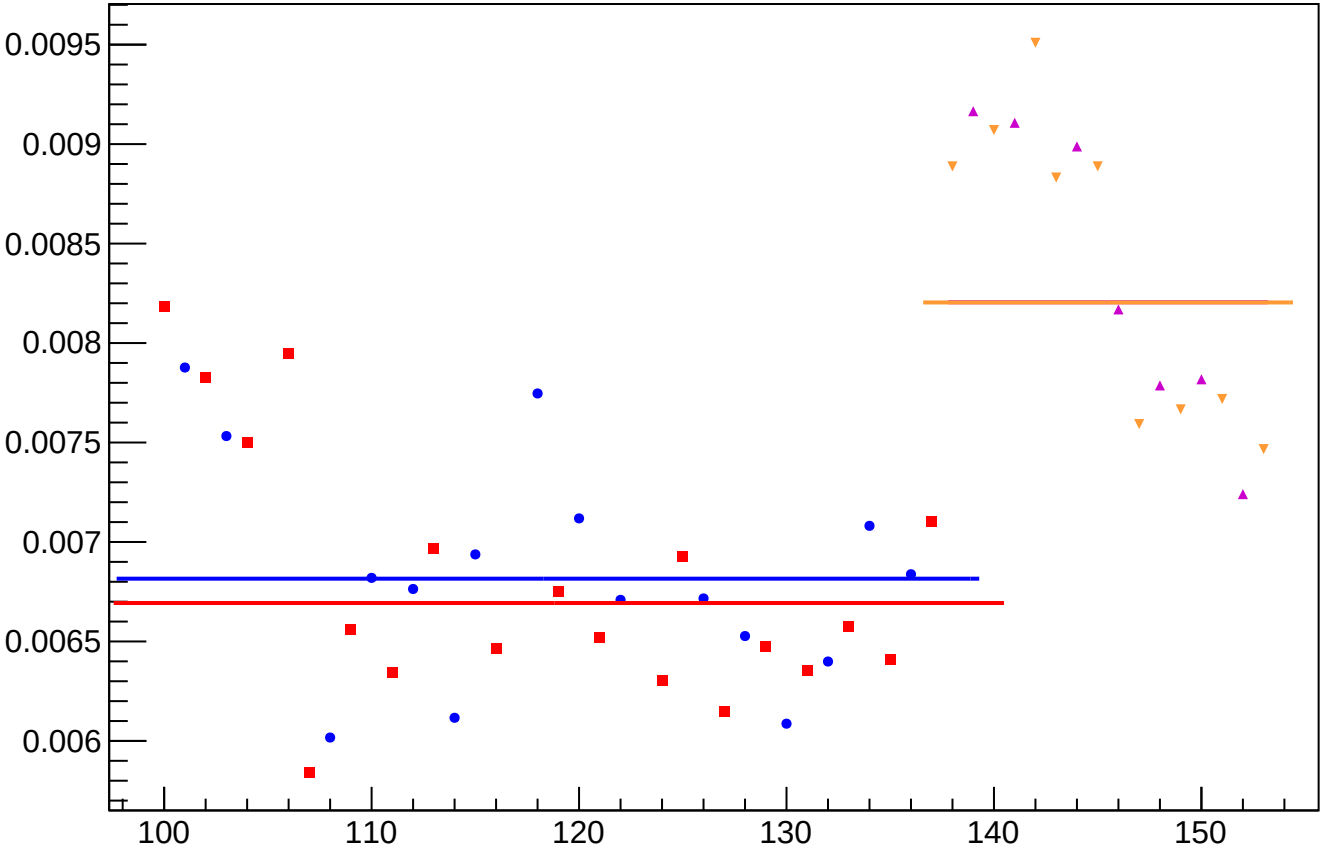
Left In: 2.594+/-0.000 χ^2/NDF:32251731077.8/6

+ sign 2.277+/-0.000 χ^2/NDF: 64904282064.2/24

All: 2.246+/-0.000 χ^2/NDF: 135887741364.6

- sign 2.216+/-0.000 χ^2/NDF: 70521833922.6/25

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:93530.0/8

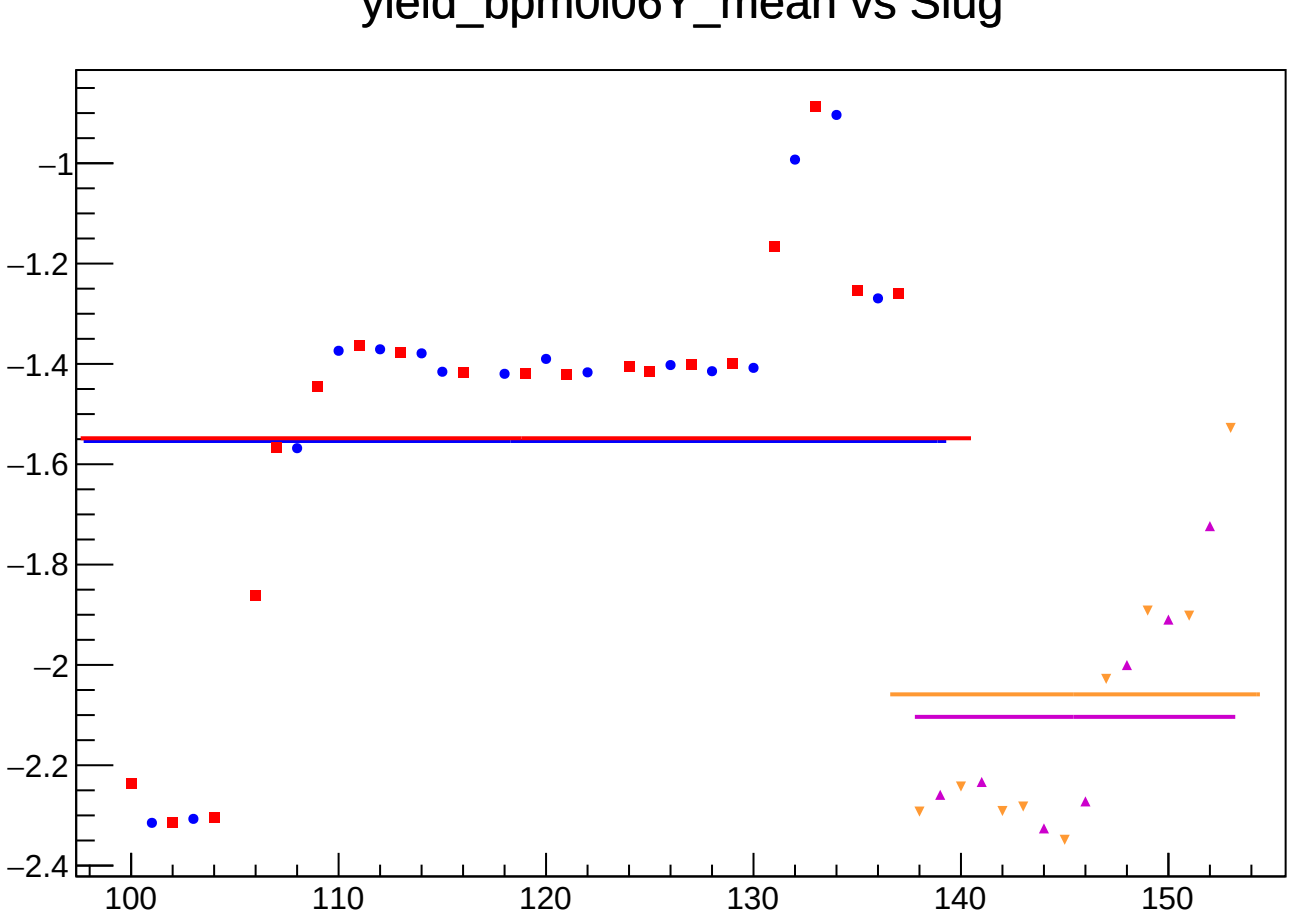
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:84277.7/6

+ sign 0.007+/-0.000 χ^2/NDF: 404518.9/24

All: 0.007+/-0.000 χ^2/NDF: 835331.2/50

- sign 0.007+/-0.000 χ^2/NDF: 425629.4/25



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.059+/-0.000 χ^2/NDF:45794181001.8/8

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

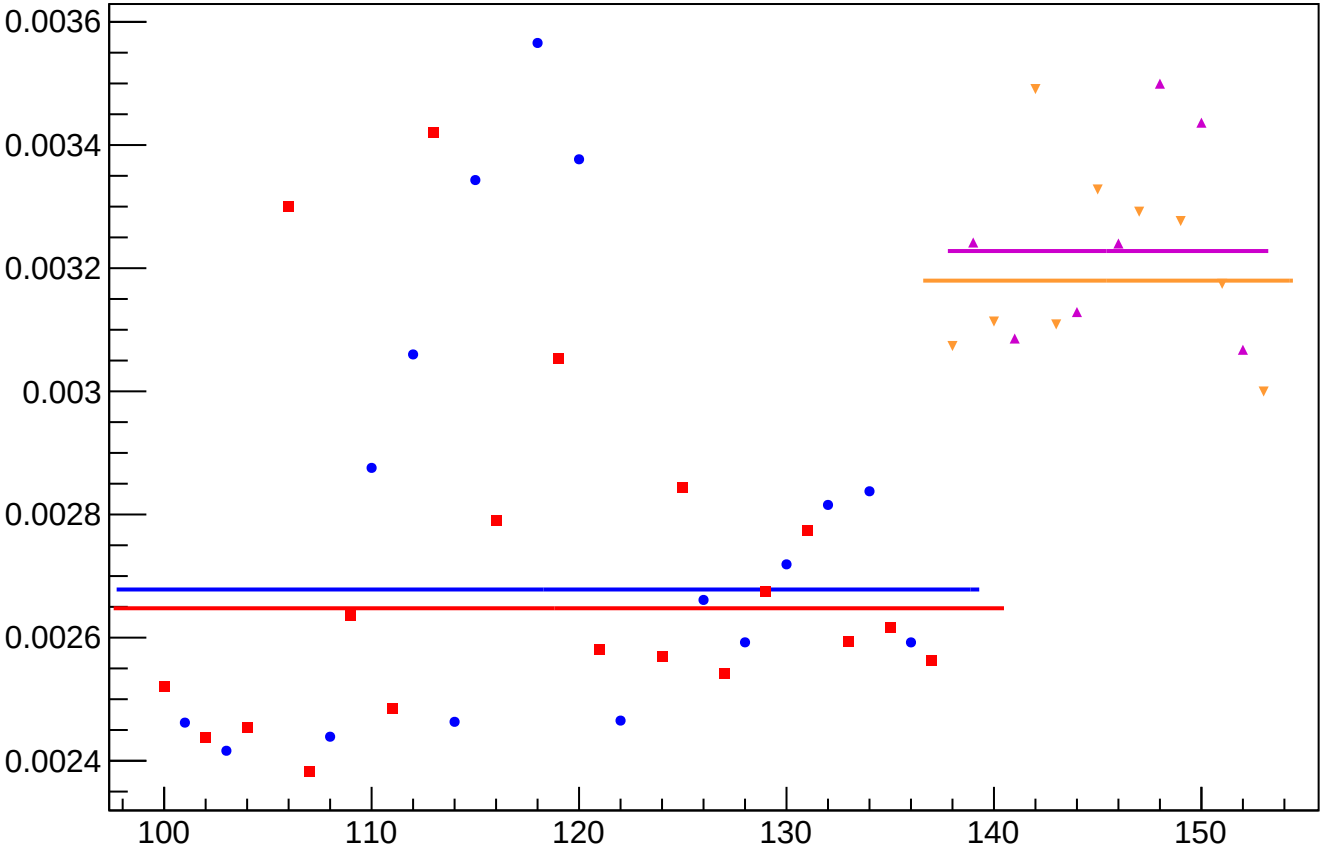
Left In: -2.104+/-0.000 χ^2/NDF:24675305072.8/6

+ sign -1.753+/-0.000 χ^2/NDF: 315454299788.3/24

All: -1.746+/-0.000 χ^2/NDF: 621028042843.8

- sign -1.739+/-0.000 χ^2/NDF: 305410144264.5/25

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:20760.4/8

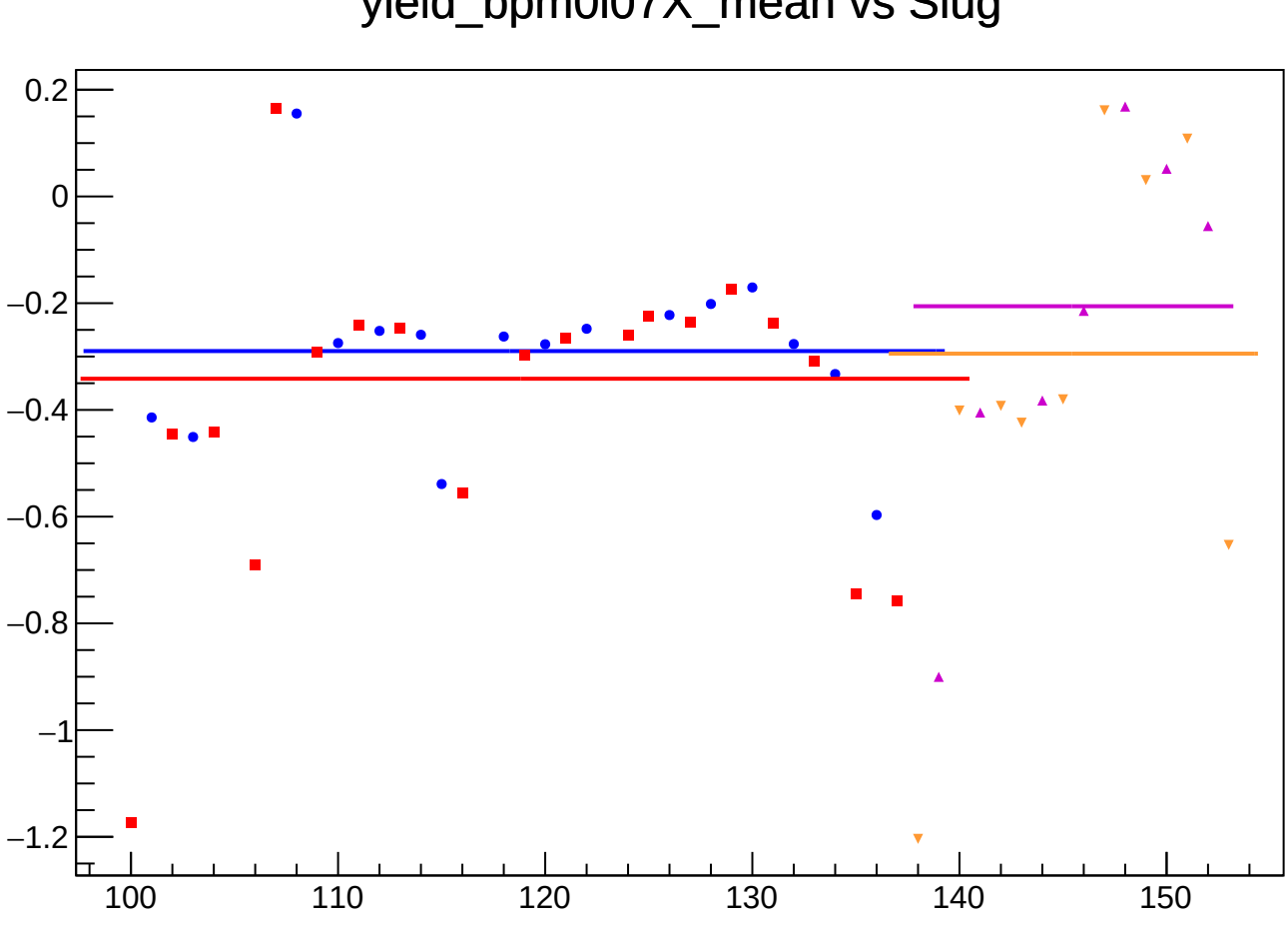
Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:24611.9/6

+ sign 0.003+/-0.000 χ^2/NDF: 365054.0/24

All: 0.003+/-0.000 χ^2/NDF: 738529.6/50

- sign 0.003+/-0.000 χ^2/NDF: 372113.9/25



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.295+/-0.000 χ^2/NDF:5777767576.6/8

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

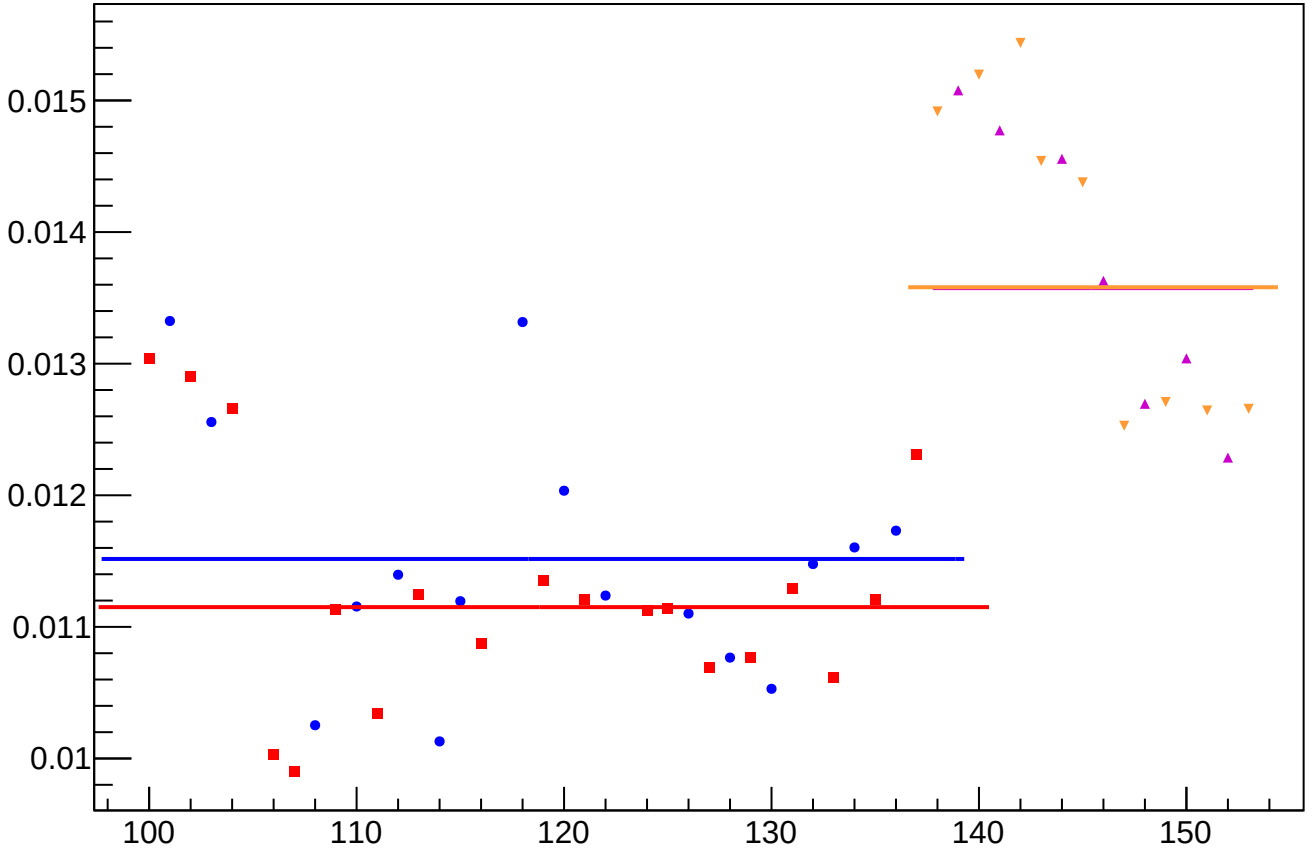
Left In: -0.206+/-0.000 χ^2/NDF:3099989735.0/6

+ sign -0.292+/-0.000 χ^2/NDF: 7423437334.6/24

All: -0.293+/-0.000 χ^2/NDF: 13505644013.5/

- sign -0.295+/-0.000 χ^2/NDF: 6081842589.9/25

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.014+/-0.000 χ^2/NDF:87218.8/8

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

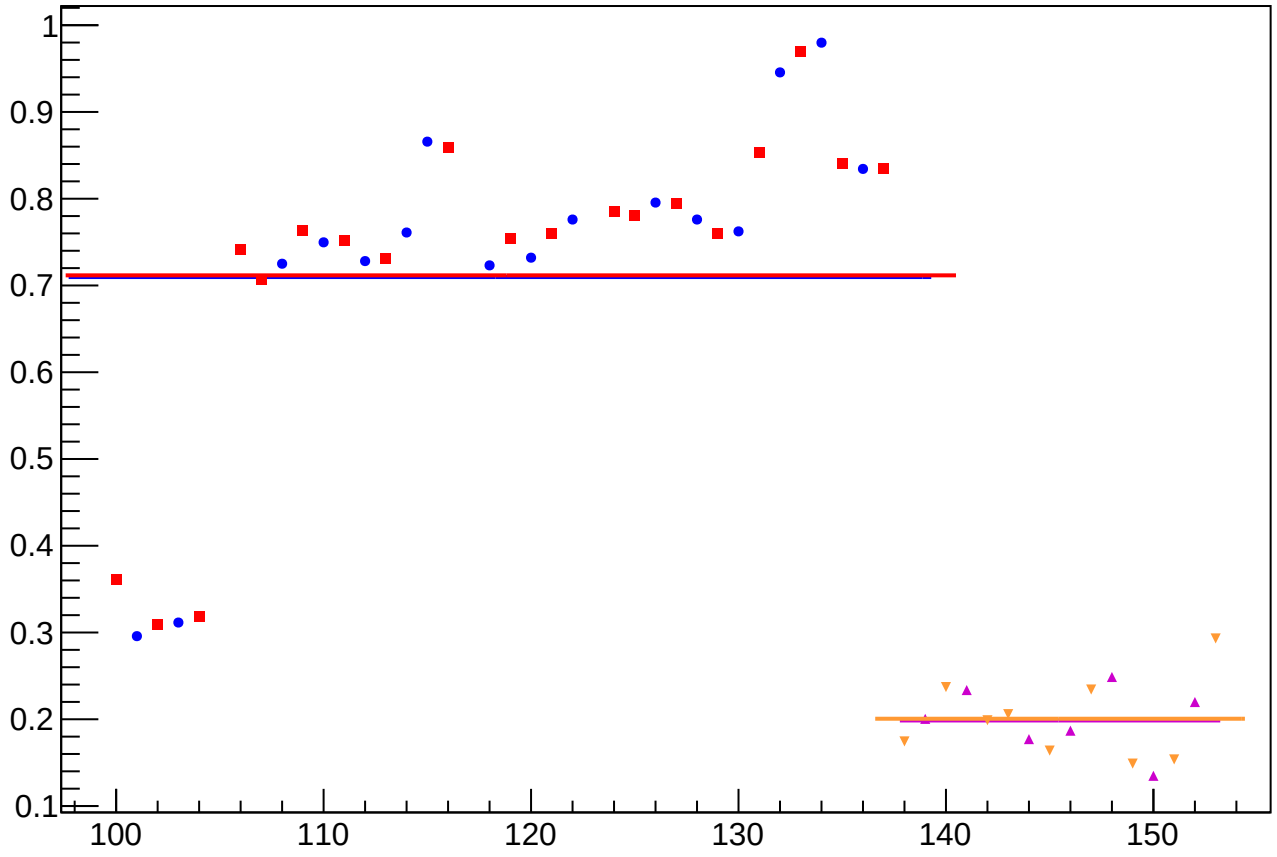
Left In: 0.014+/-0.000 χ^2/NDF:62582.6/6

+ sign 0.012+/-0.000 χ^2/NDF: 350882.4/24

All: 0.012+/-0.000 χ^2/NDF: 732806.6/50

- sign 0.012+/-0.000 χ^2/NDF: 370442.9/25

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.201+/-0.000 χ^2/NDF:2916225698.2/8

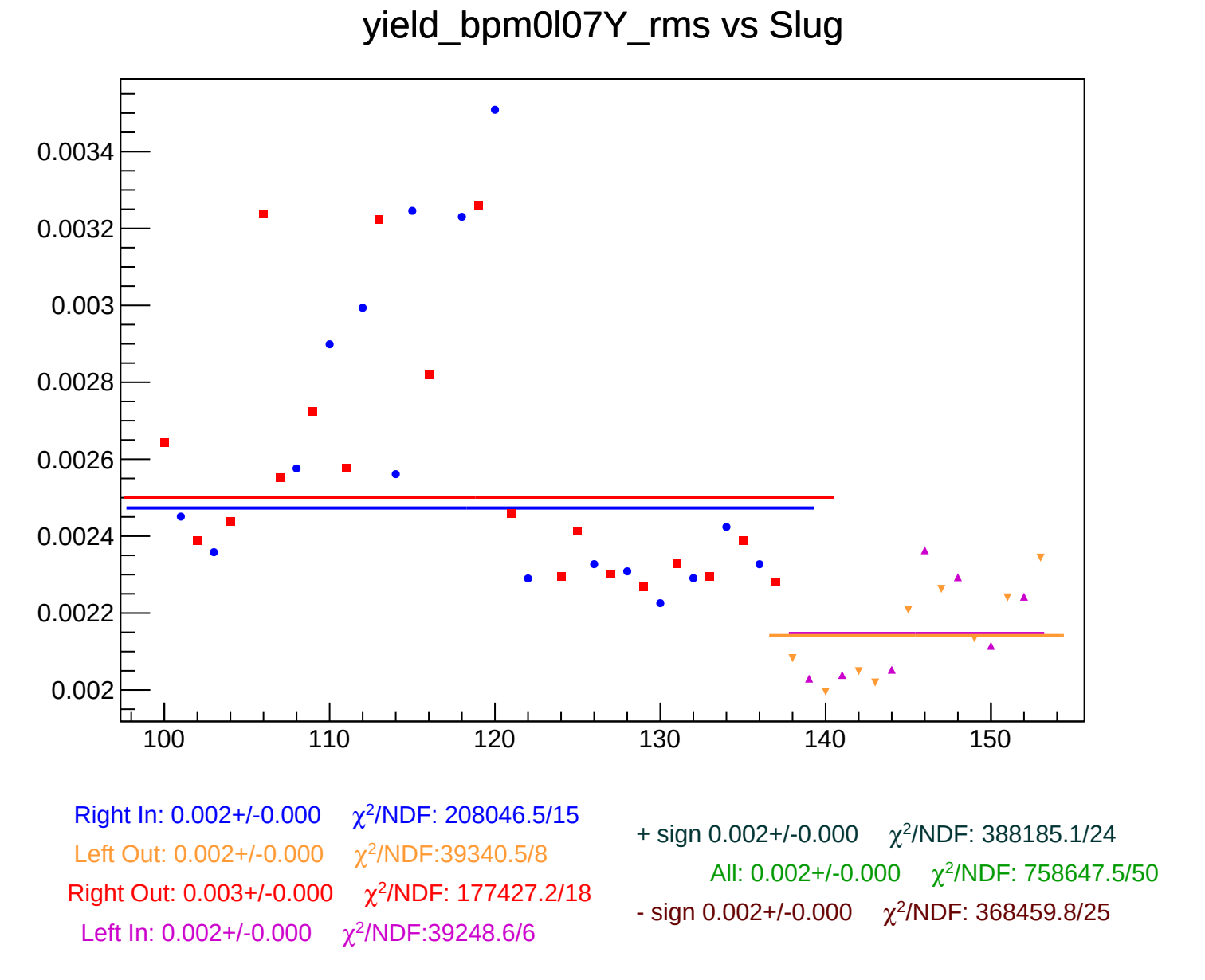
Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

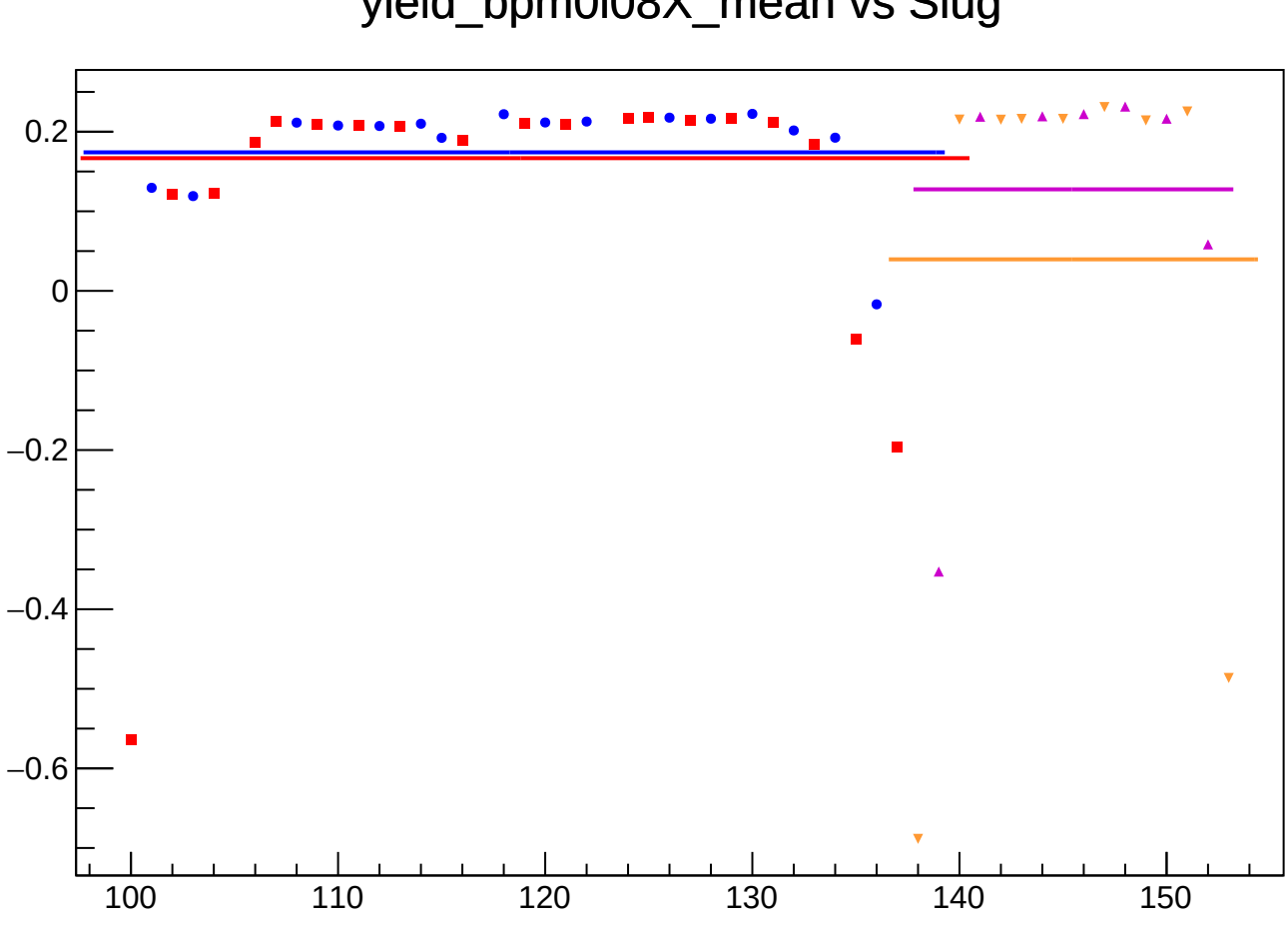
Left In: 0.199+/-0.000 χ^2/NDF:1657936458.8/6

+ sign 0.417+/-0.000 χ^2/NDF: 217840704722.1/24

All: 0.426+/-0.000 χ^2/NDF: 423216880264.2

- sign 0.436+/-0.000 χ^2/NDF: 204940554310.7/25


yield_bpm0l07Y_rms vs Slug
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 208046.5/15
Left Out: 0.002+/-0.000 χ²/NDF:39340.5/8
Right Out: 0.003+/-0.000 χ²/NDF: 177427.2/18
Left In: 0.002+/-0.000 χ²/NDF:39248.6/6
+ sign 0.002+/-0.000 χ²/NDF: 388185.1/24
All: 0.002+/-0.000 χ²/NDF: 758647.5/50
- sign 0.002+/-0.000 χ²/NDF: 368459.8/25



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.040+/-0.000 χ^2/NDF:4823412856.0/8

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

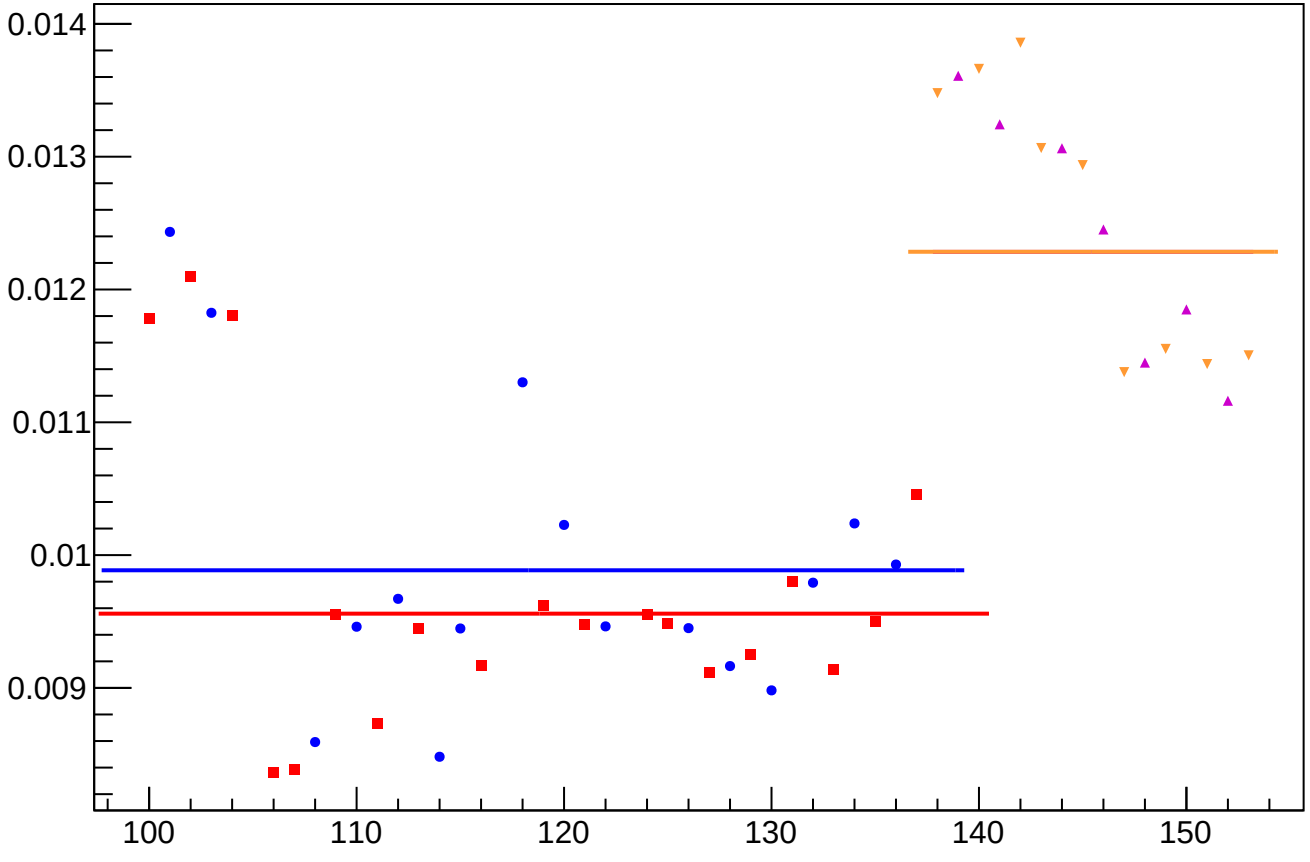
Left In: 0.128+/-0.000 χ^2/NDF:1271111638.3/6

+ sign 0.123+/-0.000 χ^2/NDF: 5709219824.4/24

All: 0.139+/-0.000 χ^2/NDF: 7969850962.4/50

- sign 0.154+/-0.000 χ^2/NDF: 2204409814.8/25

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:78799.1/8

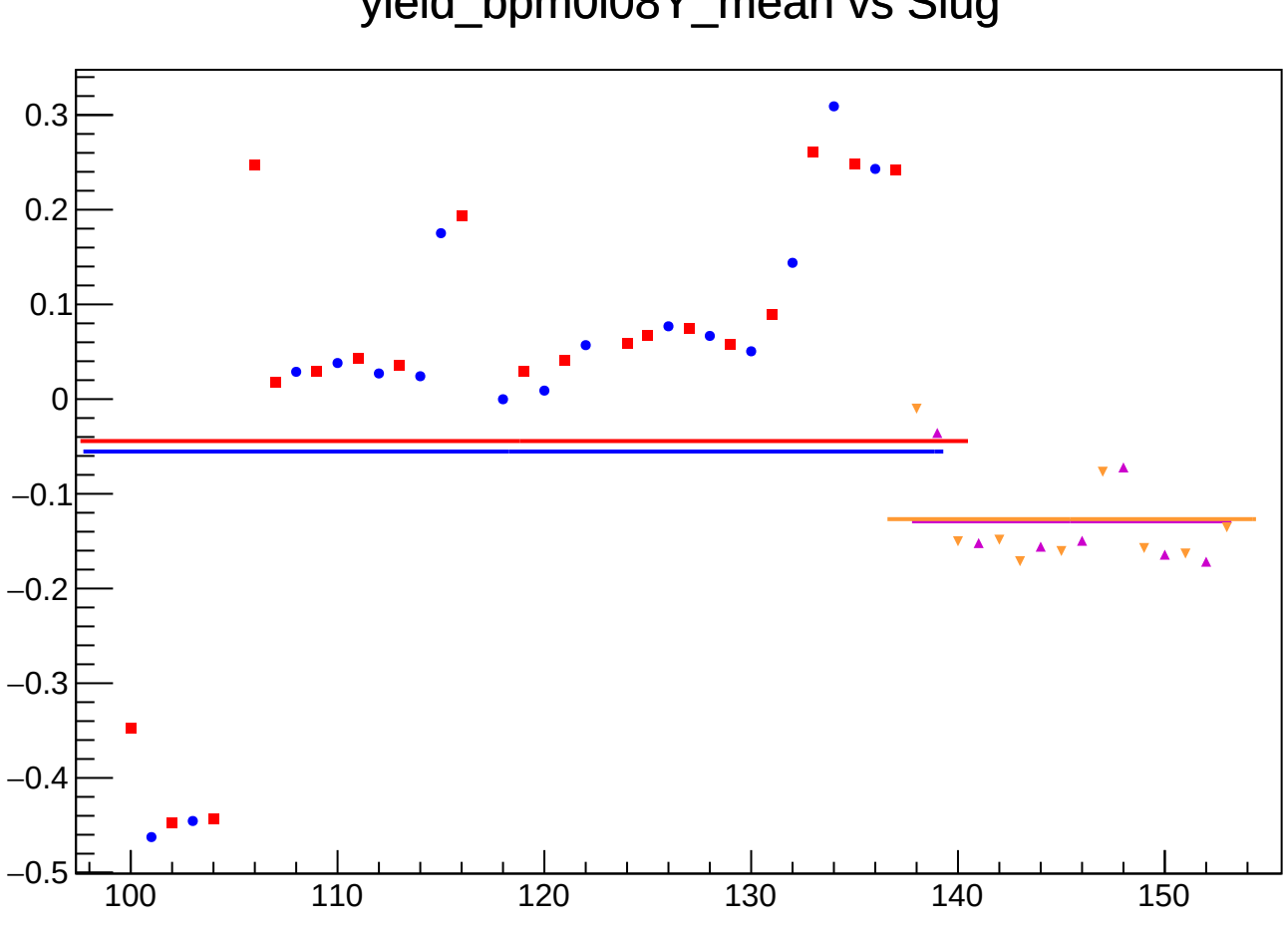
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:57223.0/6

+ sign 0.011+/-0.000 χ^2/NDF: 535342.3/24

All: 0.011+/-0.000 χ^2/NDF: 1122473.1/50

- sign 0.010+/-0.000 χ^2/NDF: 572326.9/25



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.127+/-0.000 χ^2/NDF:1986173573.1/8

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

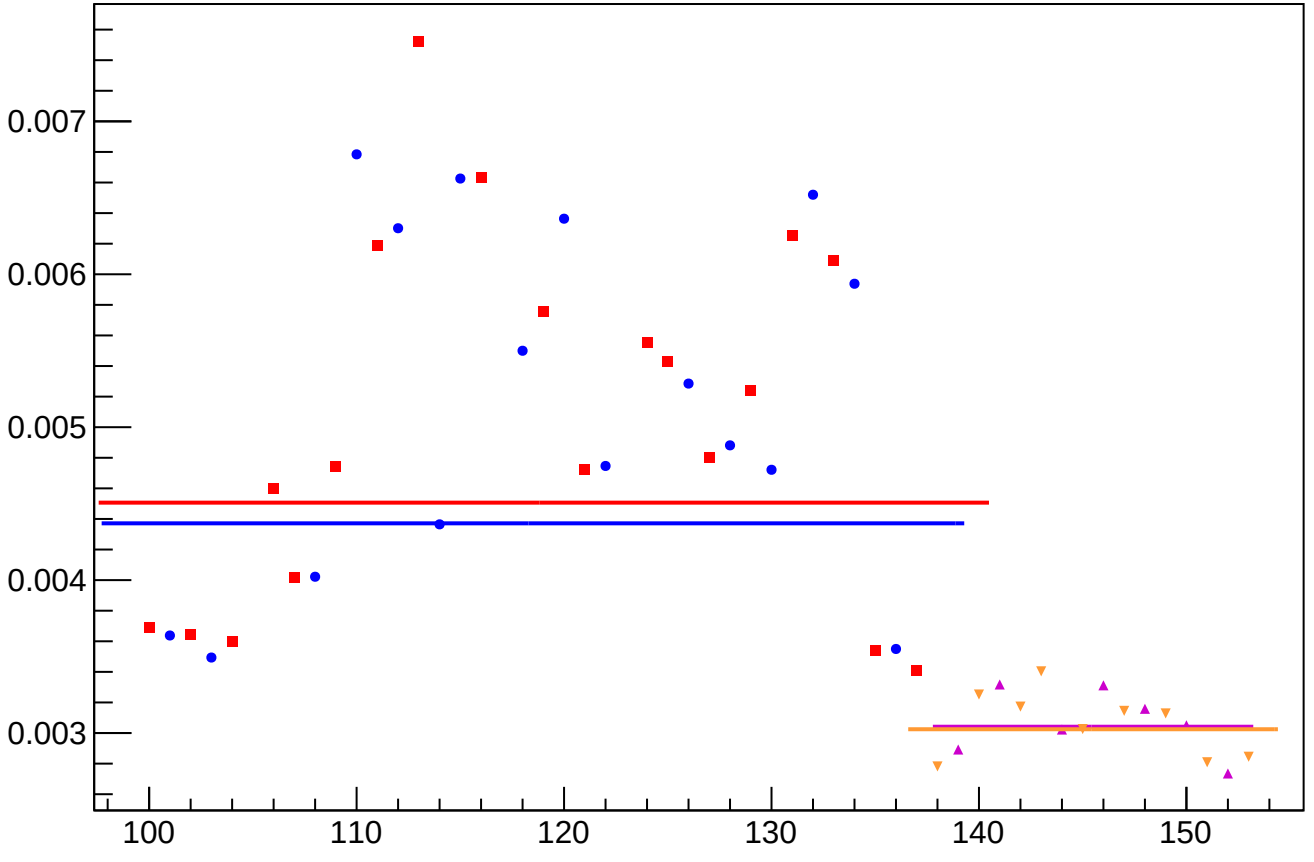
Left In: -0.129+/-0.000 χ^2/NDF:1544950867.5/6

+ sign -0.105+/-0.000 χ^2/NDF: 27191755697.4/24

All: -0.103+/-0.000 χ^2/NDF: 52376714326.4/

- sign -0.100+/-0.000 χ^2/NDF: 25175864335.4/25

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:58031.0/8

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

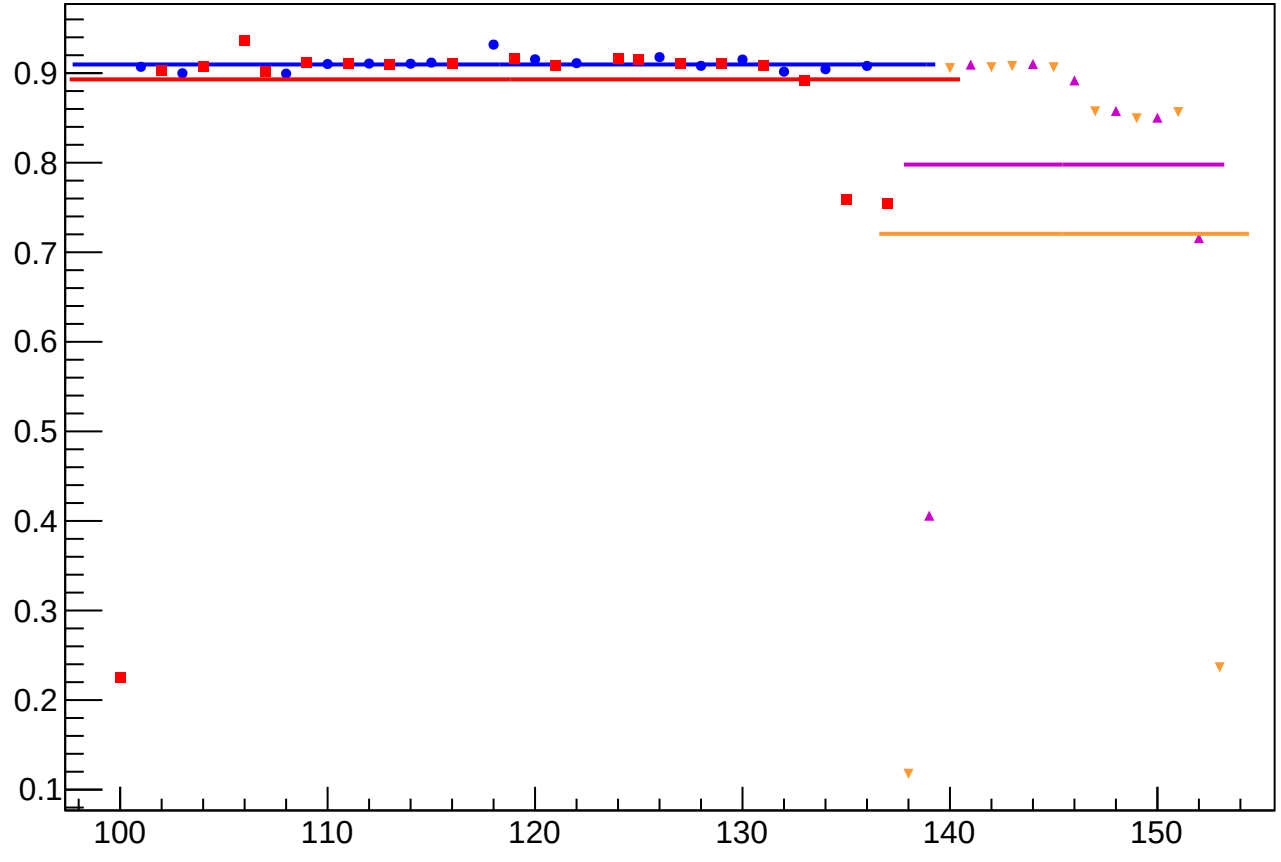
Left In: 0.003+/-0.000 χ^2/NDF:48499.9/6

+ sign 0.003+/-0.000 χ^2/NDF: 1518026.3/24

All: 0.003+/-0.000 χ^2/NDF: 3173230.0/50

- sign 0.004+/-0.000 χ^2/NDF: 1646043.7/25

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.721+/-0.000 χ^2/NDF:3933387813.1/8

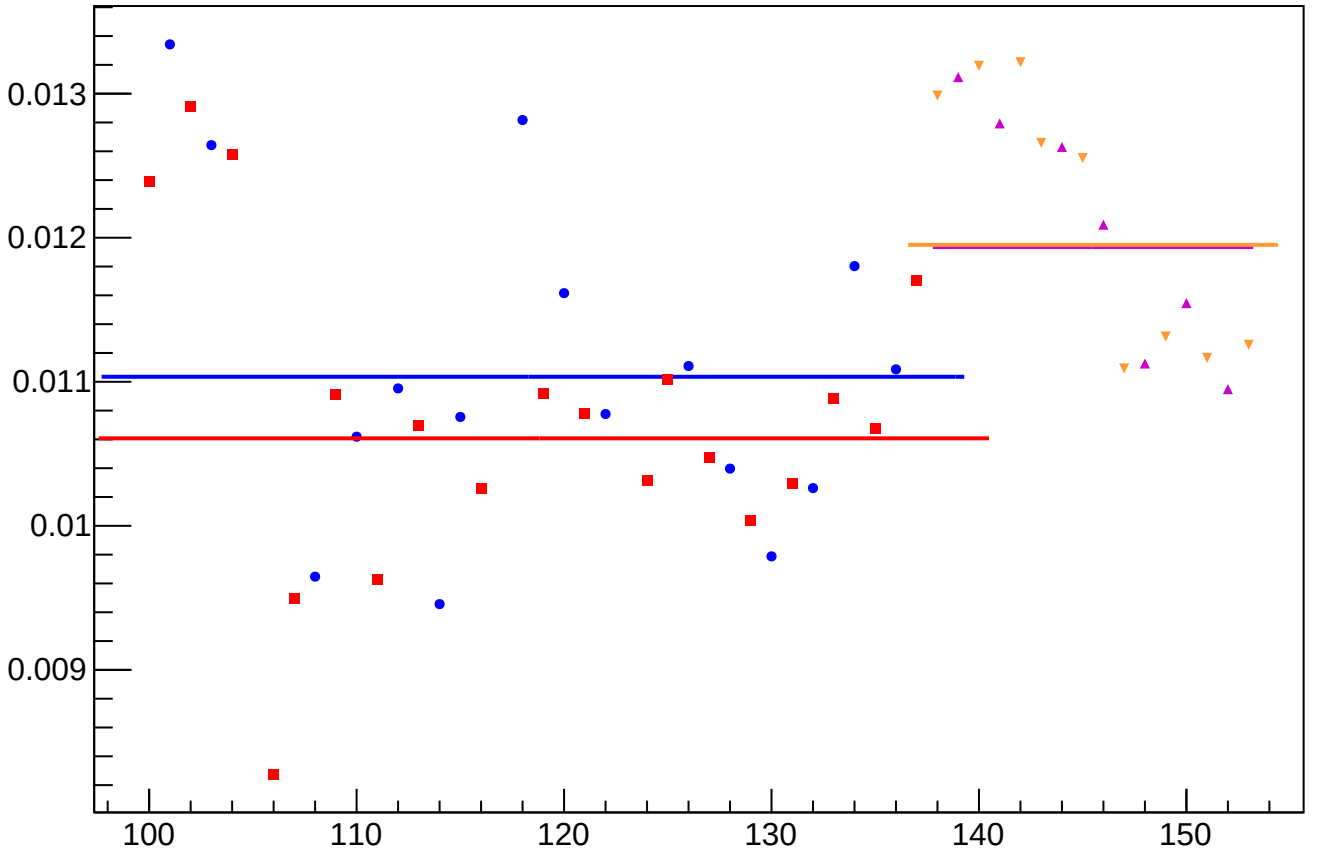
Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.798+/-0.000 χ^2/NDF:990103467.8/6

+ sign 0.825+/-0.000 χ^2/NDF: 4844180240.0/24

All: 0.841+/-0.000 χ^2/NDF: 6438573090.1/50

- sign 0.856+/-0.000 χ^2/NDF: 1542430238.3/25



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:67245.0/8

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

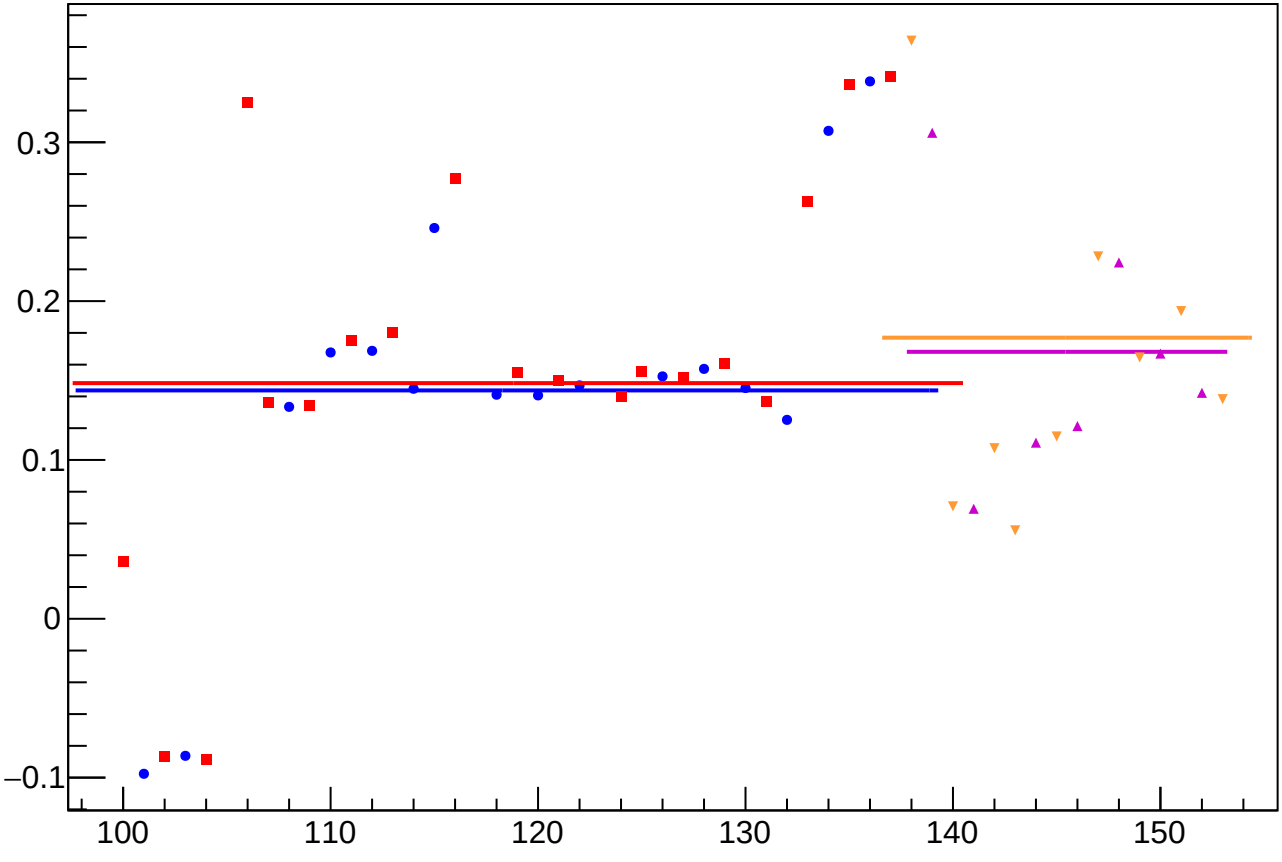
Left In: 0.012+/-0.000 χ^2/NDF:49663.5/6

+ sign 0.011+/-0.000 χ^2/NDF: 240186.5/24

All: 0.011+/-0.000 χ^2/NDF: 532176.7/50

- sign 0.011+/-0.000 χ^2/NDF: 281010.6/25

yield_bpm0l09Y_mean vs Slug



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.177+/-0.000 χ^2/NDF:4262416243.9/8

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

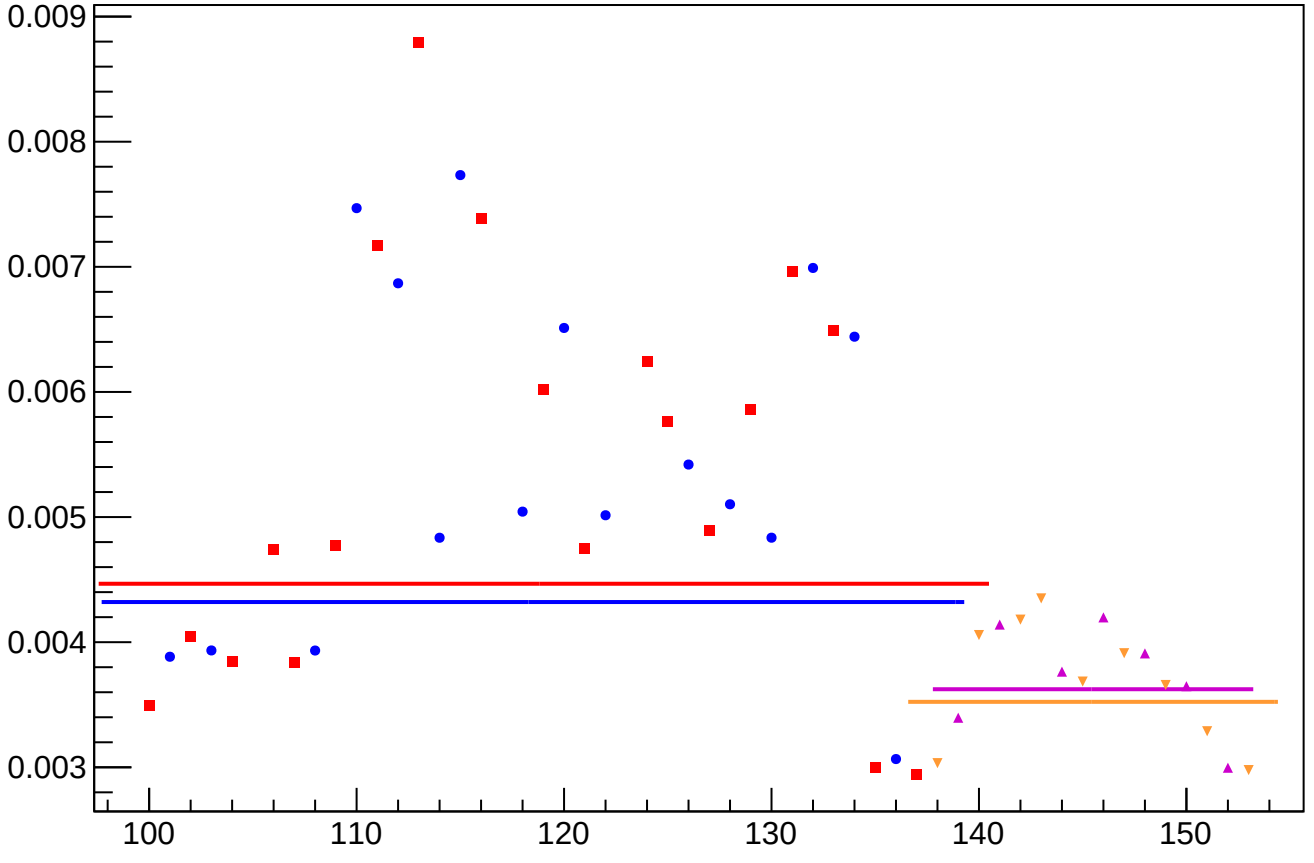
Left In: 0.168+/-0.000 χ^2/NDF:2196816284.0/6

+ sign 0.164+/-0.000 χ^2/NDF: 12339282565.0/24

All: 0.162+/-0.000 χ^2/NDF: 21739482001.7/5

- sign 0.160+/-0.000 χ^2/NDF: 9392407300.1/25

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:211124.7/8

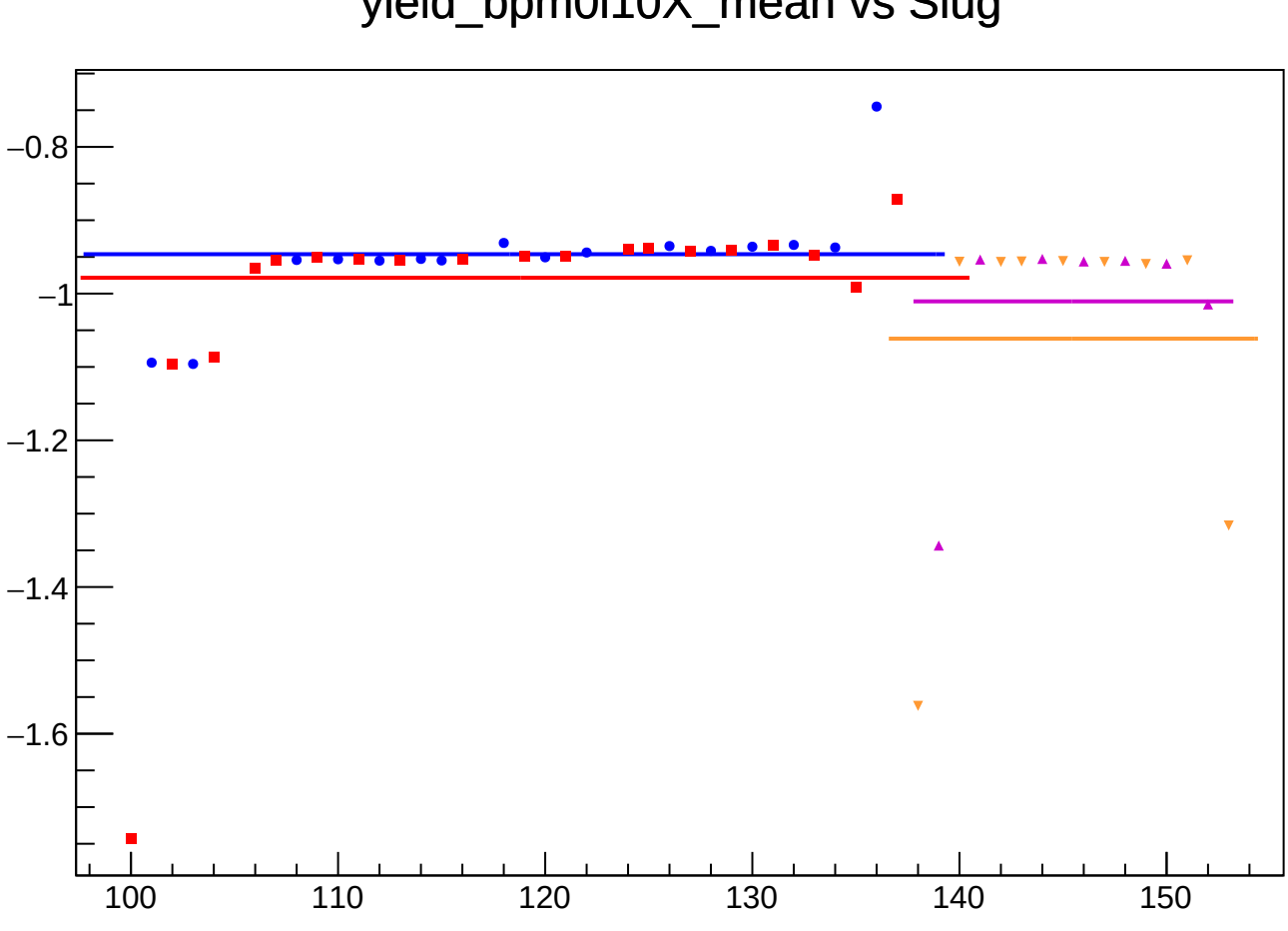
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:138967.3/6

+ sign 0.004+/-0.000 χ^2/NDF: 1331338.1/24

All: 0.004+/-0.000 χ^2/NDF: 2818744.9/50

- sign 0.004+/-0.000 χ^2/NDF: 1470166.2/25



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.061+/-0.000 χ^2/NDF:2381957382.8/8

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

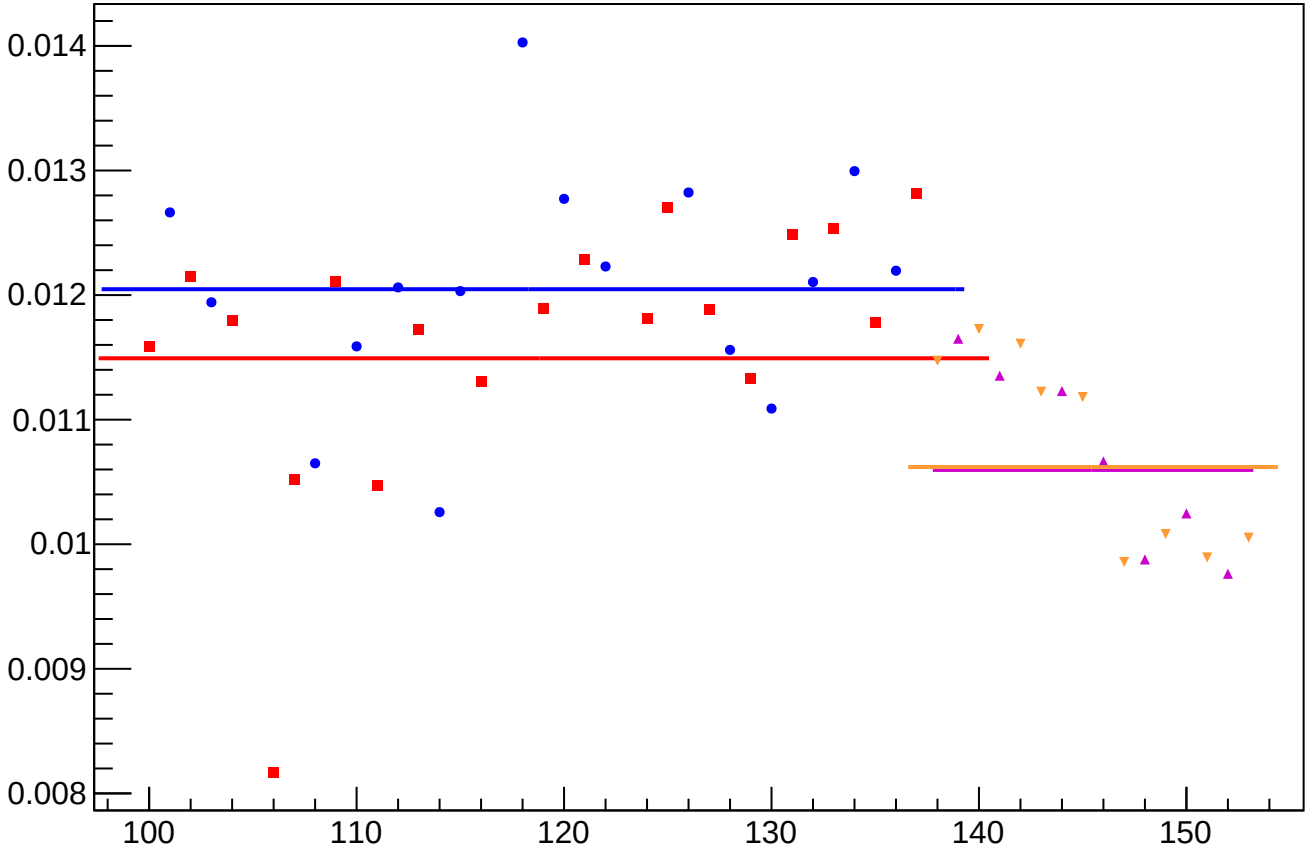
Left In: -1.011+/-0.000 χ^2/NDF:777465978.5/6

+ sign -1.010+/-0.000 χ^2/NDF: 3134060387.4/24

All: -1.002+/-0.000 χ^2/NDF: 4413444471.1/5

- sign -0.994+/-0.000 χ^2/NDF: 1265897268.0/25

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:64167.8/8

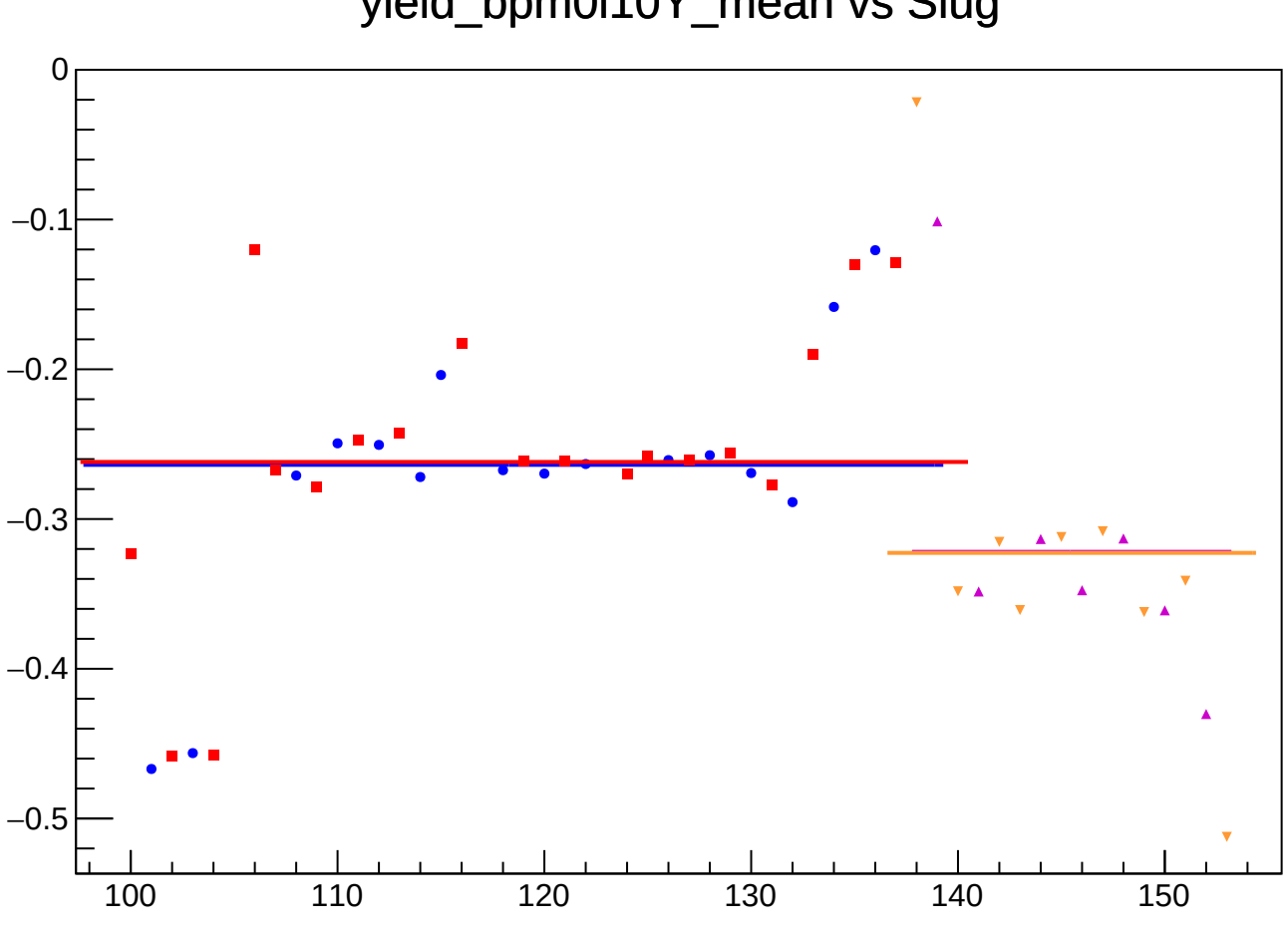
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:48862.9/6

+ sign 0.011+/-0.000 χ^2/NDF: 233517.4/24

All: 0.011+/-0.000 χ^2/NDF: 480484.7/50

- sign 0.011+/-0.000 χ^2/NDF: 242676.7/25



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.323+/-0.000 χ^2/NDF:7552026171.3/8

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

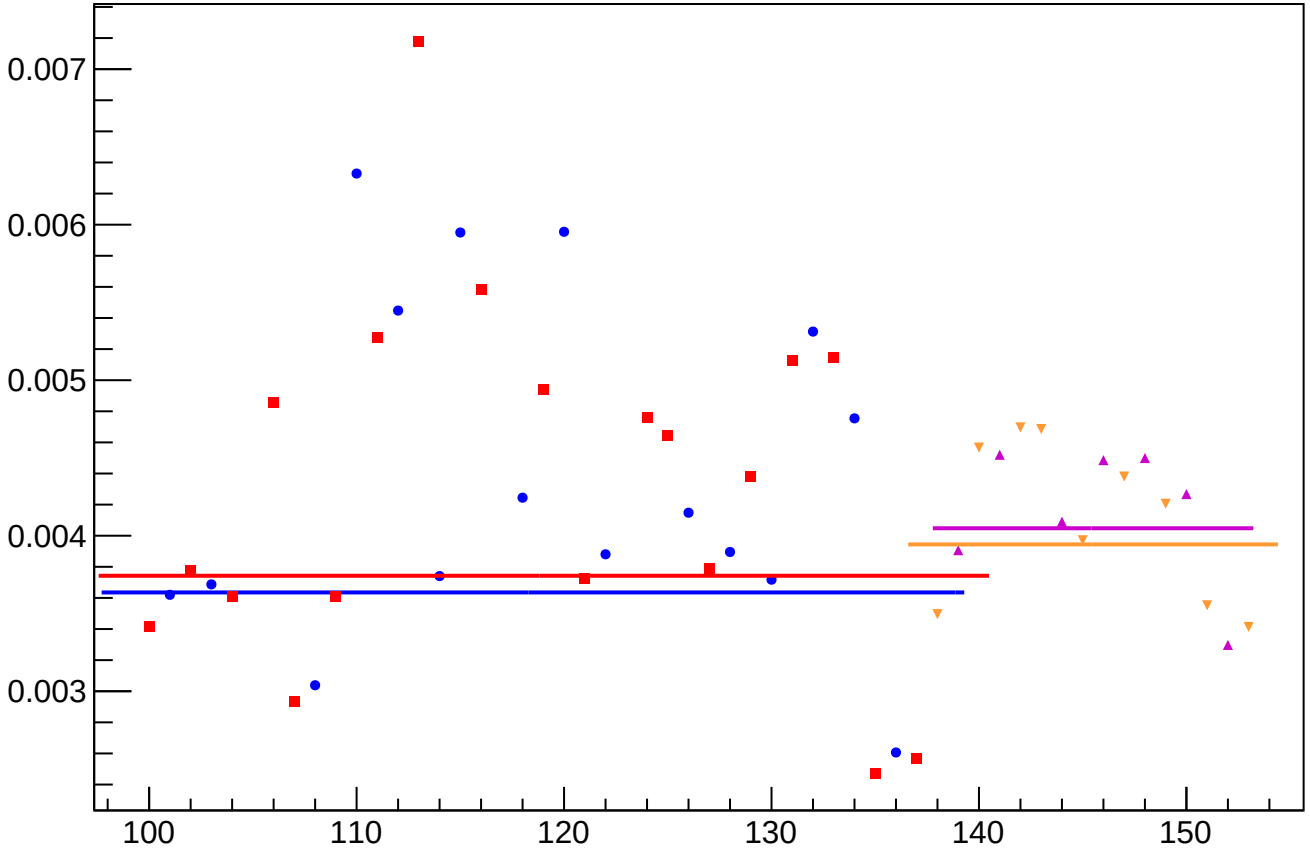
Left In: -0.322+/-0.000 χ^2/NDF:3332704925.5/6

+ sign -0.292+/-0.000 χ^2/NDF: 14370844396.1/24

All: -0.290+/-0.000 χ^2/NDF: 23622578572.9/

- sign -0.288+/-0.000 χ^2/NDF: 9245434911.7/25

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:178115.1/8

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

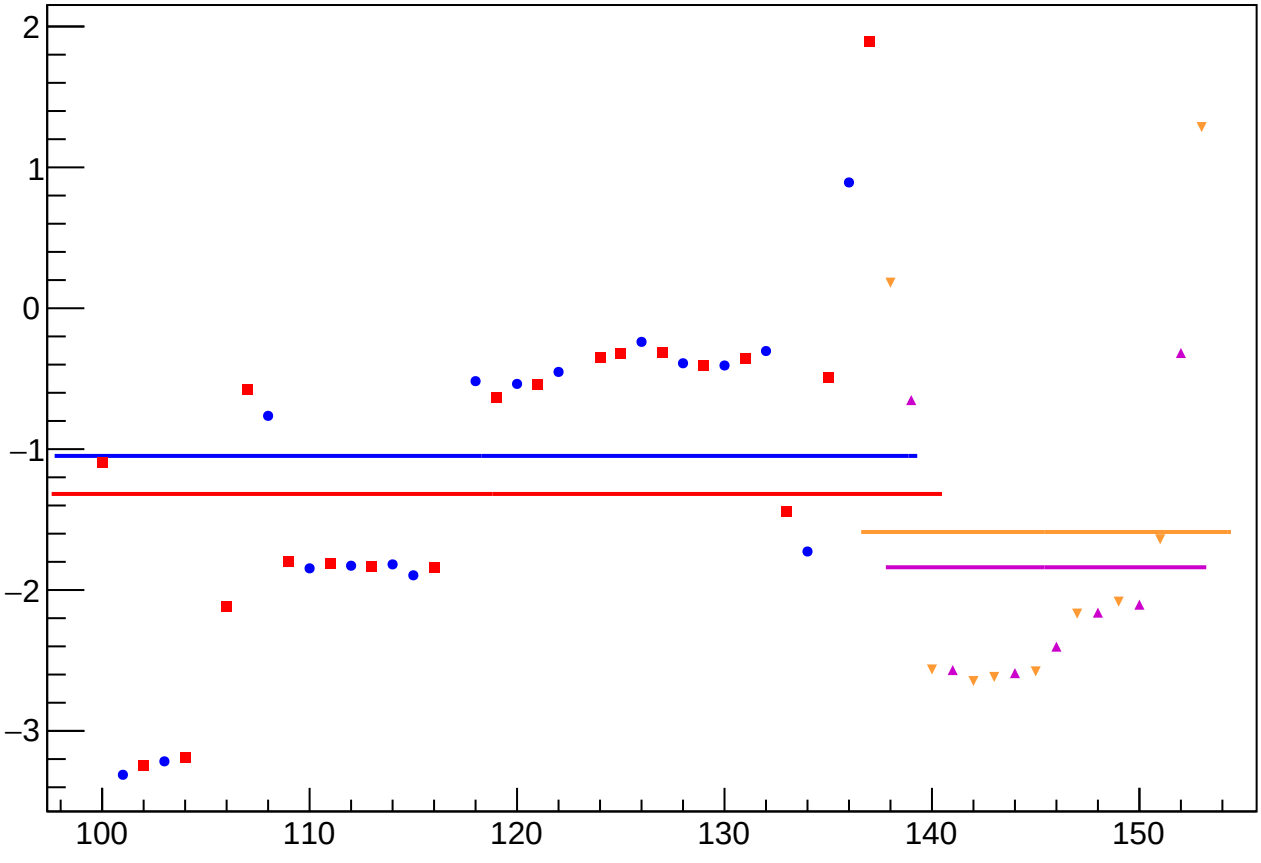
Left In: 0.004+/-0.000 χ^2/NDF:132738.0/6

+ sign 0.004+/-0.000 χ^2/NDF: 946062.9/24

All: 0.004+/-0.000 χ^2/NDF: 2013995.4/50

- sign 0.004+/-0.000 χ^2/NDF: 1061257.3/25

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.588+/-0.000 χ^2/NDF:2201791377.0/8

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

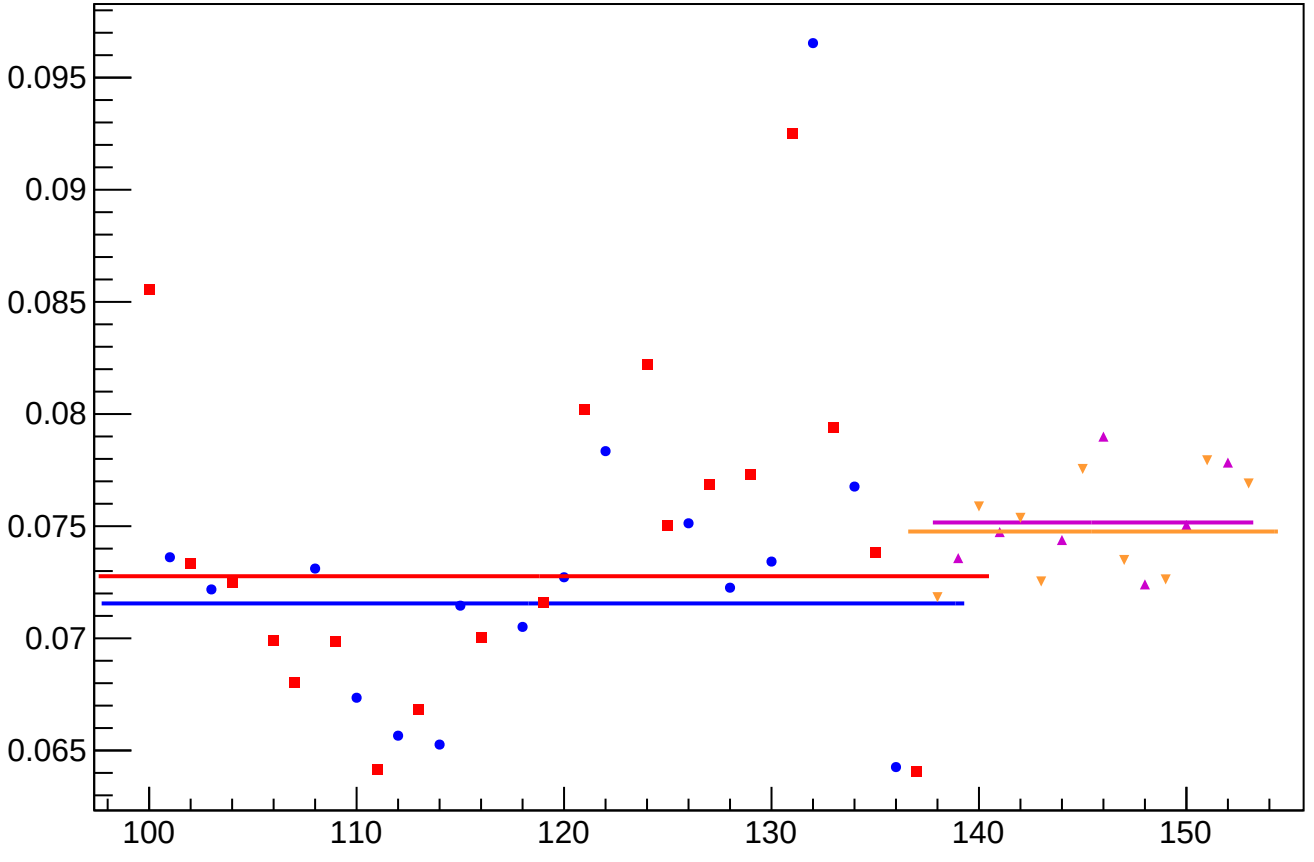
Left In: -1.838+/-0.000 χ^2/NDF:779828899.6/6

+ sign -1.303+/-0.000 χ^2/NDF: 4737135022.2/24

All: -1.419+/-0.000 χ^2/NDF: 7598535422.7/5

- sign -1.544+/-0.000 χ^2/NDF: 2788819634.7/25

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:12418.4/8

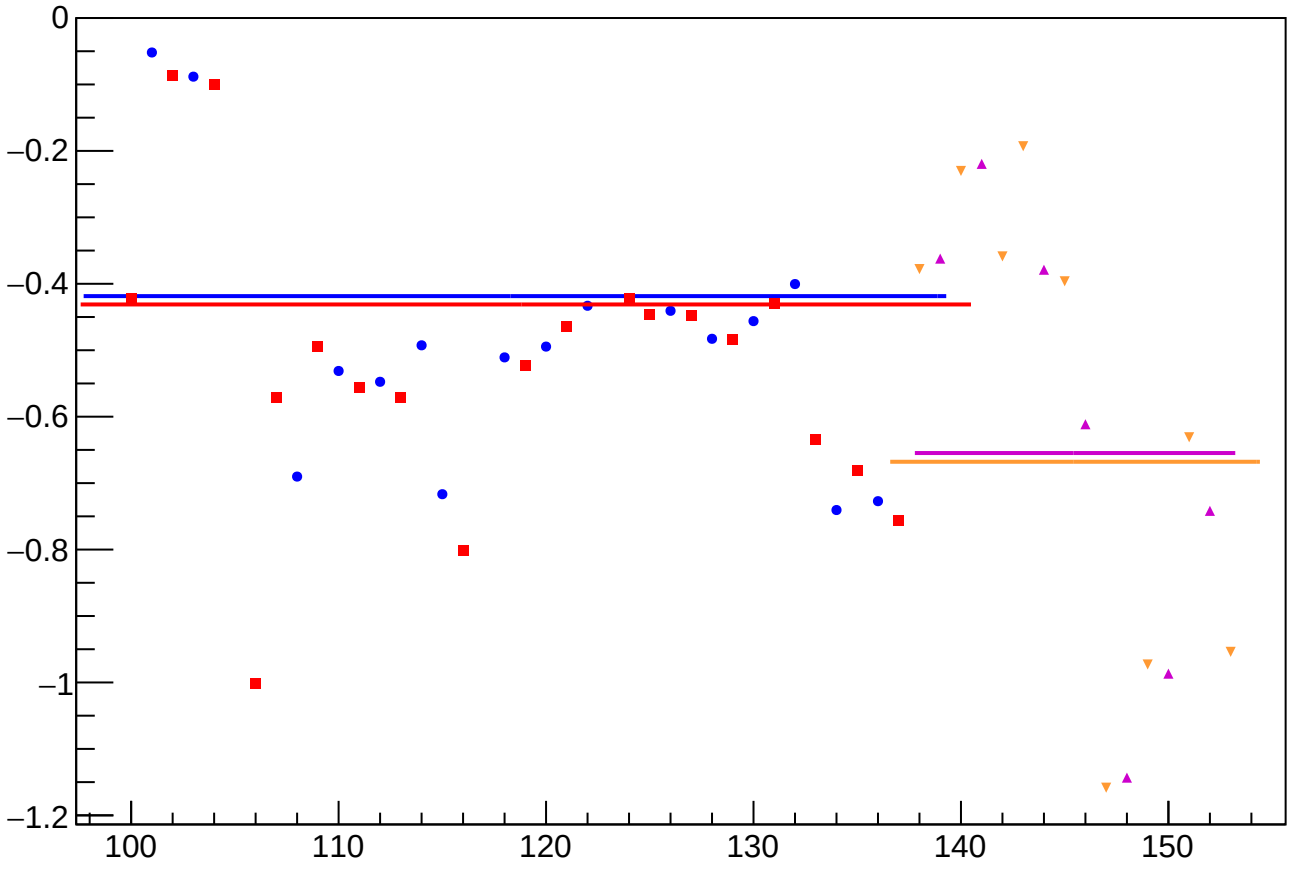
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:9278.3/6

+ sign 0.073+/-0.000 χ^2/NDF: 126936.2/24

All: 0.073+/-0.000 χ^2/NDF: 241281.5/50

- sign 0.074+/-0.000 χ^2/NDF: 112977.6/25



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.668+/-0.000 χ^2/NDF:10939491295.4/8

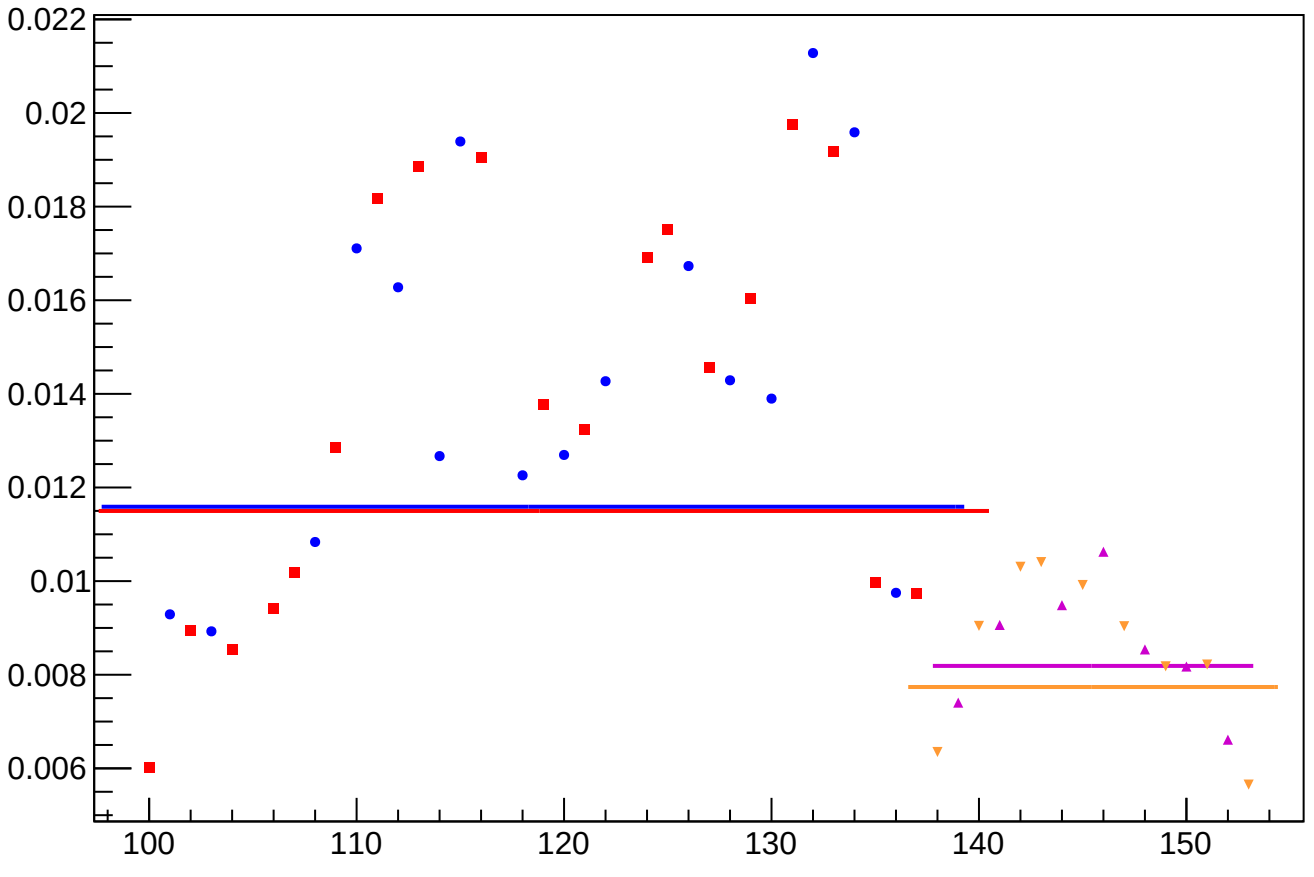
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.655+/-0.000 χ^2/NDF:7784531450.7/6

+ sign -0.592+/-0.000 χ^2/NDF: 15932361991.3/24

All: -0.584+/-0.000 χ^2/NDF: 28388669993.7/

- sign -0.574+/-0.000 χ^2/NDF: 12434402135.3/25



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:571456.5/8

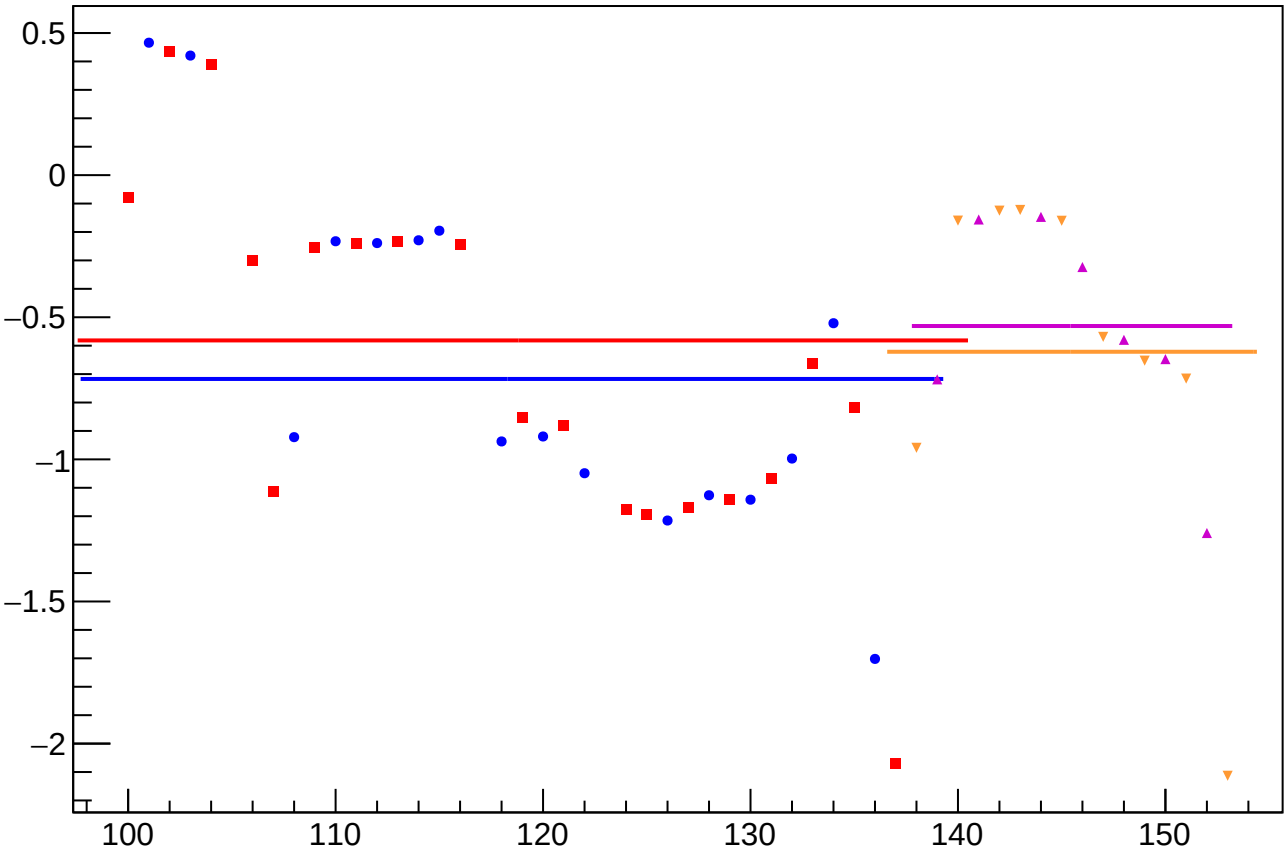
Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.008+/-0.000 χ^2/NDF:232141.7/6

+ sign 0.009+/-0.000 χ^2/NDF: 2274267.6/24

All: 0.009+/-0.000 χ^2/NDF: 4338255.5/50

- sign 0.009+/-0.000 χ^2/NDF: 2033603.1/25



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.621+/-0.000 χ^2/NDF:335929413.4/8

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

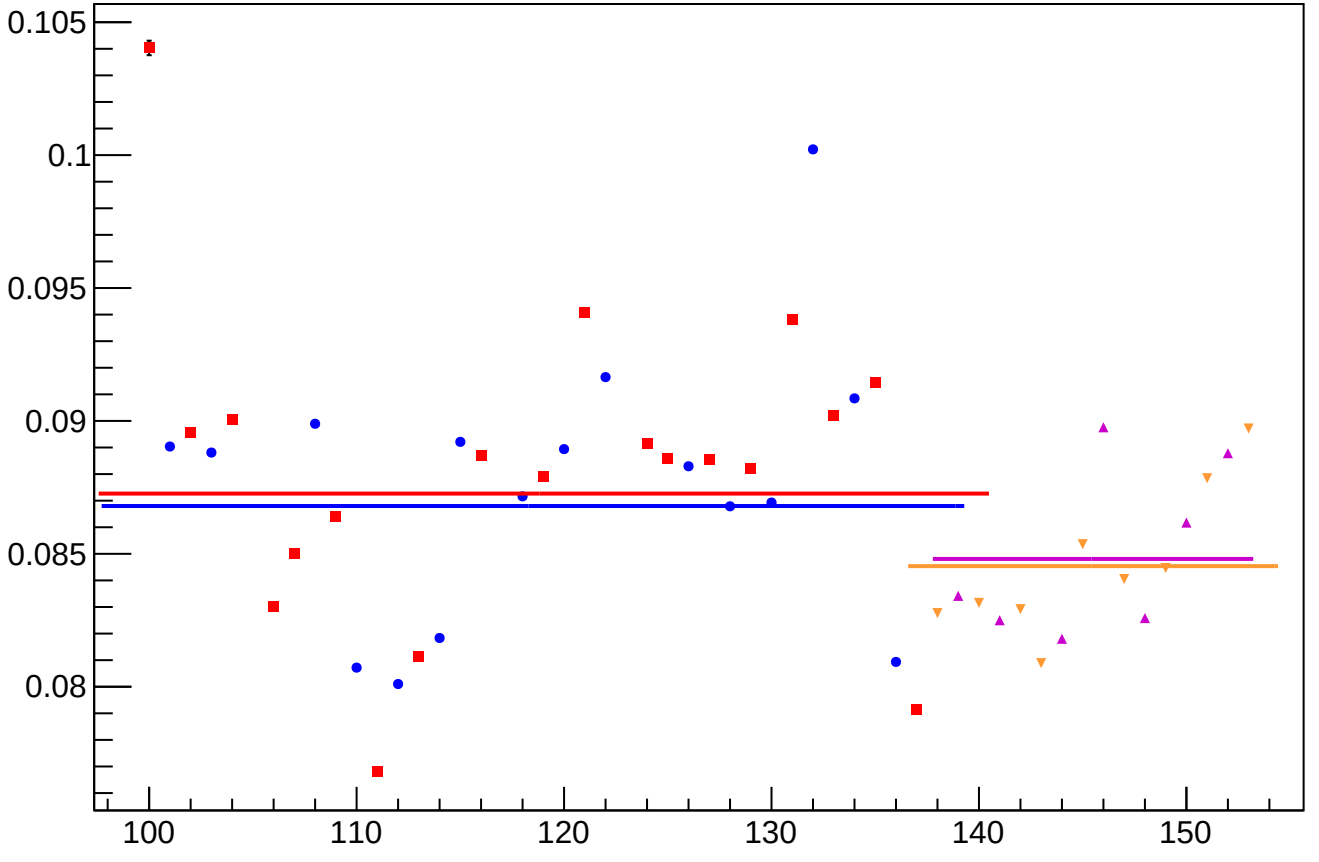
Left In: -0.531+/-0.000 χ^2/NDF:106079213.7/6

+ sign -0.669+/-0.000 χ^2/NDF: 777759621.8/24

All: -0.615+/-0.000 χ^2/NDF: 1238518676.8/5

- sign -0.558+/-0.000 χ^2/NDF: 449304493.1/25

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.085+/-0.000 χ^2/NDF:12813.7/8

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

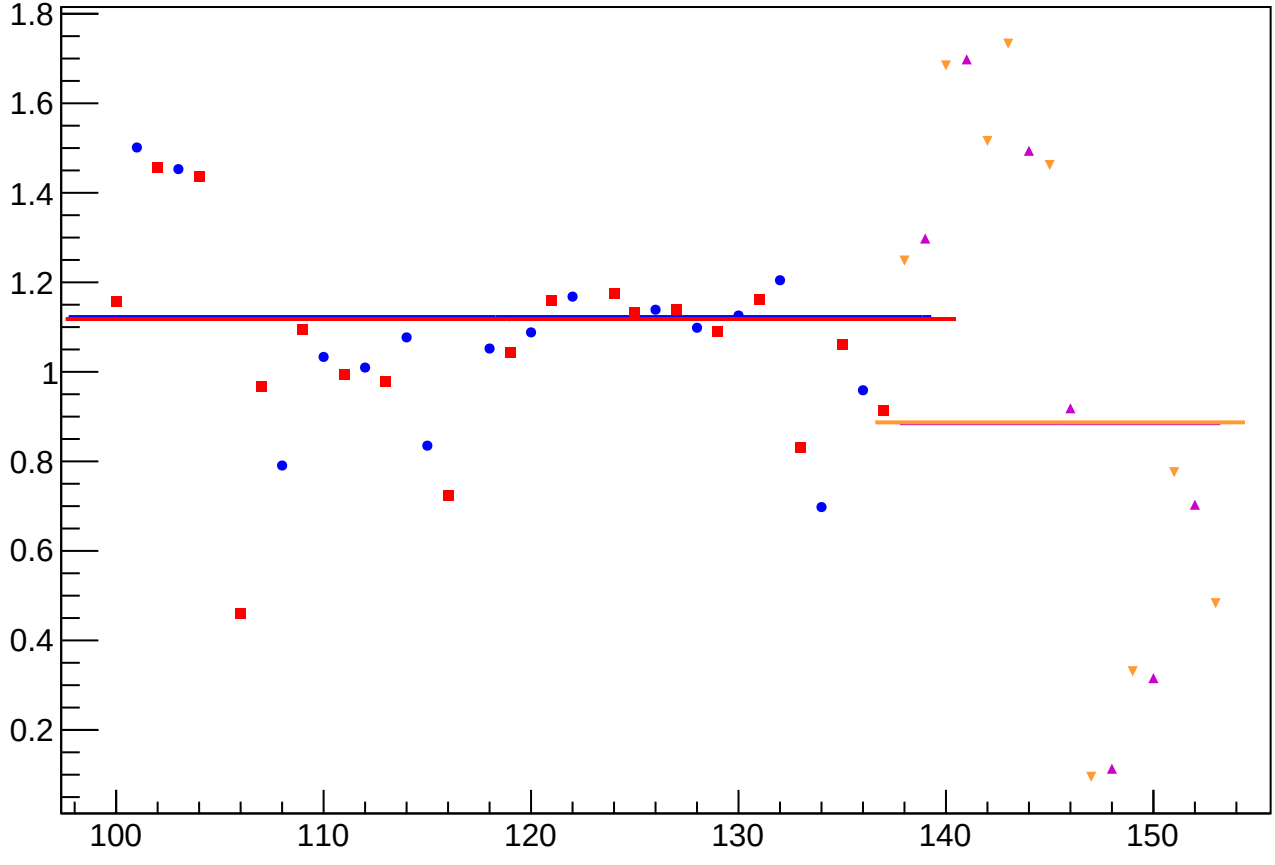
Left In: 0.085+/-0.000 χ^2/NDF:14669.9/6

+ sign 0.086+/-0.000 χ^2/NDF: 61312.0/24

All: 0.086+/-0.000 χ^2/NDF: 128032.7/50

- sign 0.086+/-0.000 χ^2/NDF: 66301.9/25

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.887+/-0.000 χ^2/NDF:21327786538.9/8

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

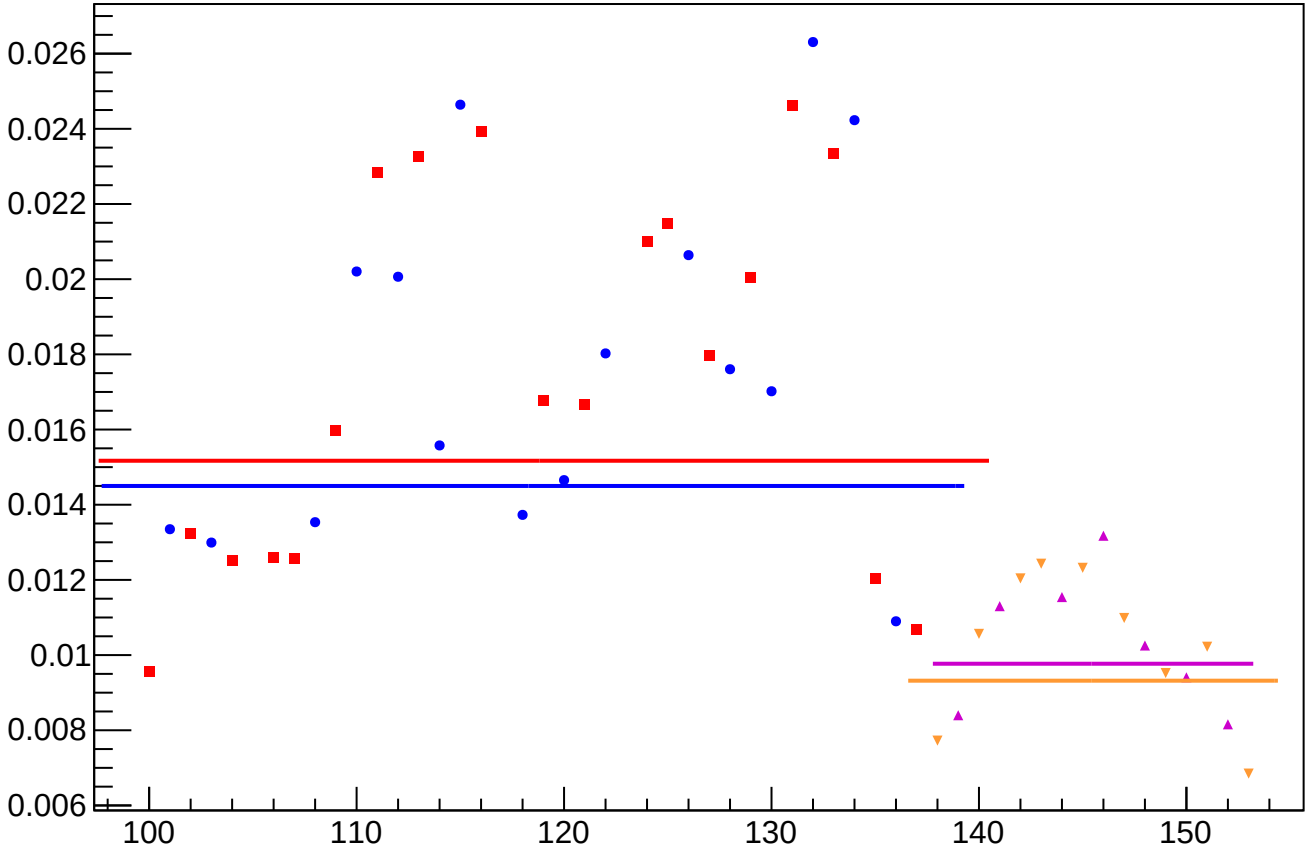
Left In: 0.885+/-0.000 χ^2/NDF:16211244319.9/6

+ sign 0.954+/-0.000 χ^2/NDF: 23906299830.4/24

All: 0.957+/-0.000 χ^2/NDF: 42672463855.3/5

- sign 0.959+/-0.000 χ^2/NDF: 18764853472.0/25

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:561117.0/8

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

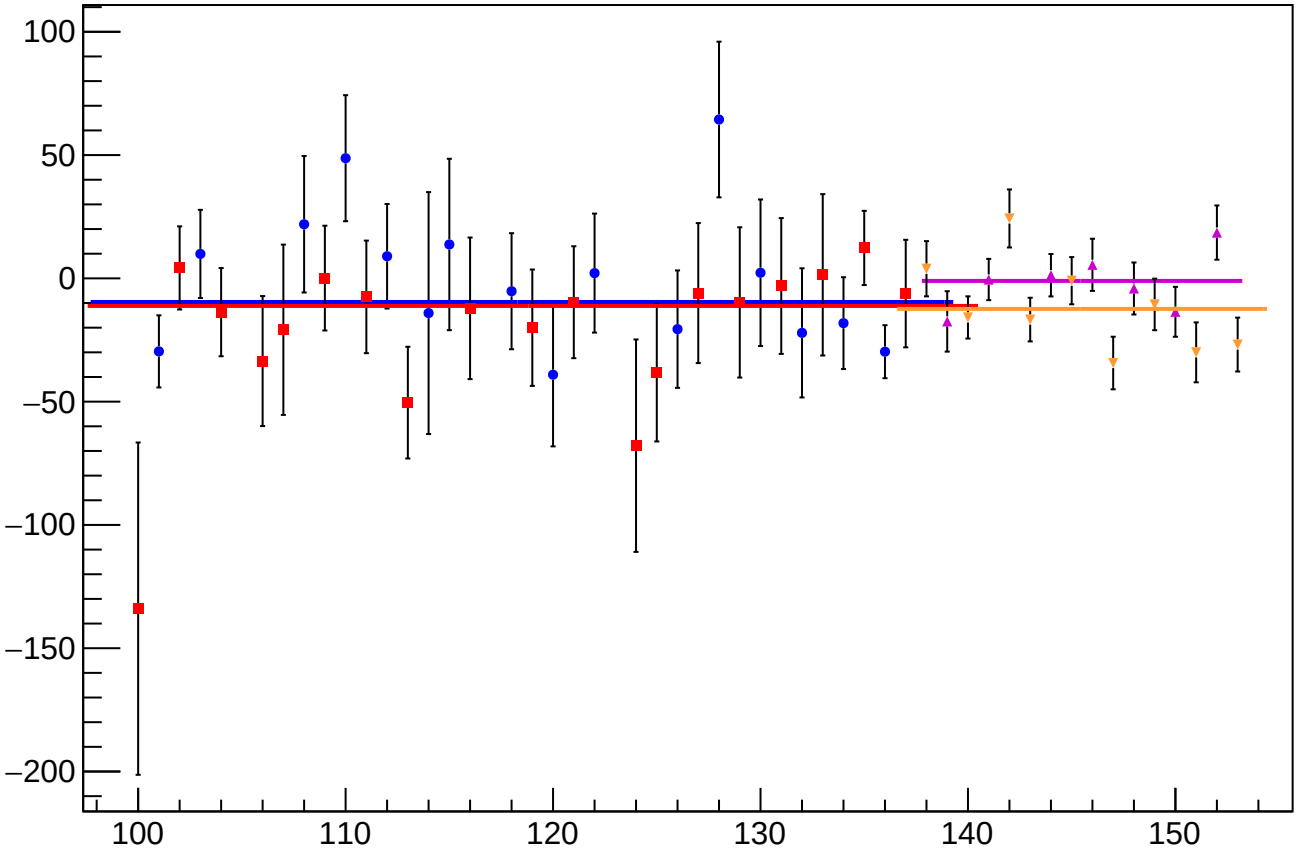
Left In: 0.010+/-0.000 χ^2/NDF:276838.9/6

+ sign 0.011+/-0.000 χ^2/NDF: 2361690.6/24

All: 0.011+/-0.000 χ^2/NDF: 4606671.8/50

- sign 0.011+/-0.000 χ^2/NDF: 2200927.0/25

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -12.381+/-3.417 χ^2/NDF:21.8/8

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

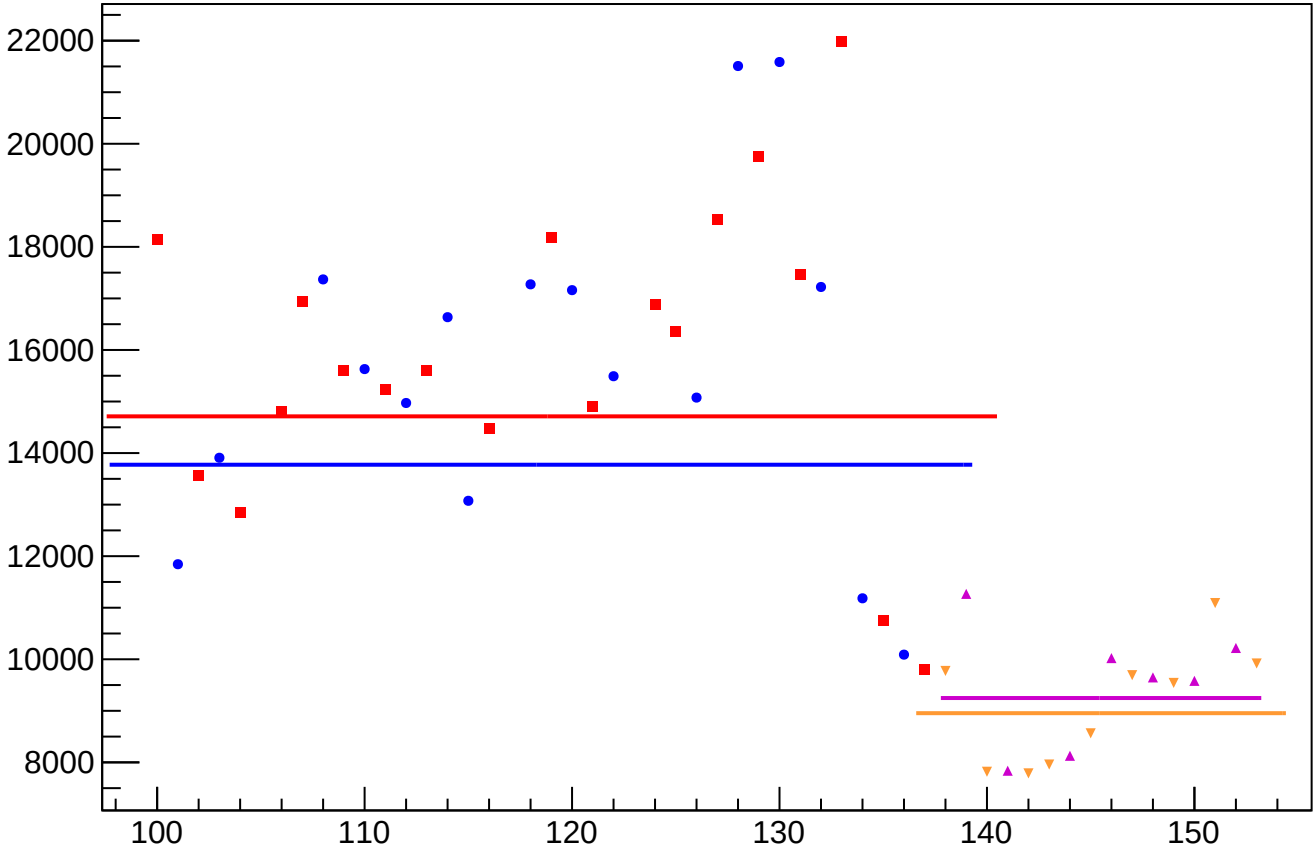
Left In: -1.029+/-3.769 χ^2/NDF:7.0/6

+ sign -11.557+/-2.870 χ^2/NDF: 43.9/24

All: -8.205+/-2.109 χ^2/NDF: 70.1/50

- sign -4.274+/-3.108 χ^2/NDF: 23.2/25

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8954.342+/-2.416 χ^2/NDF:187602.4/8

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

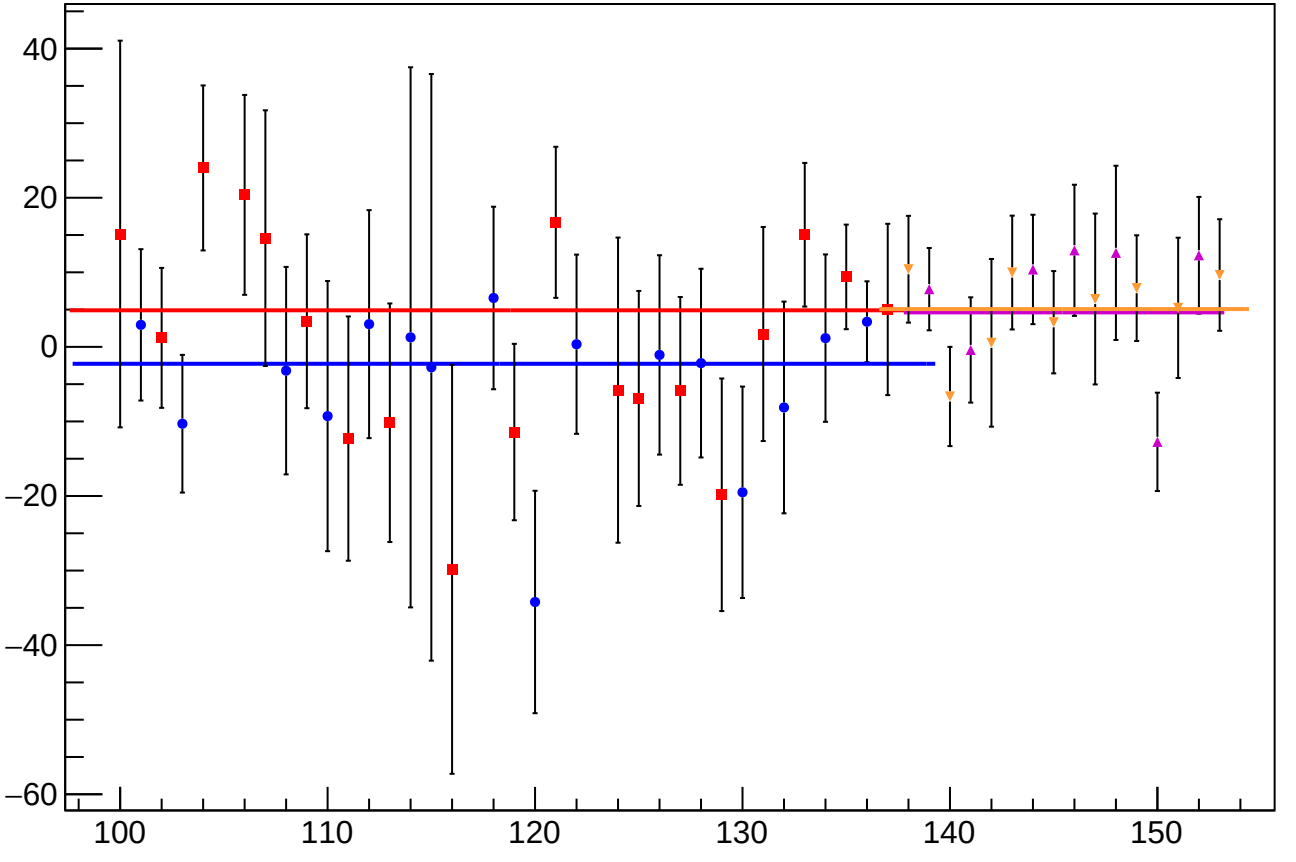
Left In: 9248.263+/-2.665 χ^2/NDF:176427.8/6

+ sign 10372.974+/-2.030 χ^2/NDF: 2106325.0/24

All: 10659.438+/-1.491 χ^2/NDF: 4227428.6/5

- sign 10995.393+/-2.198 χ^2/NDF: 2077822.6/25

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 5.069+/-2.625 χ^2/NDF:4.8/8

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

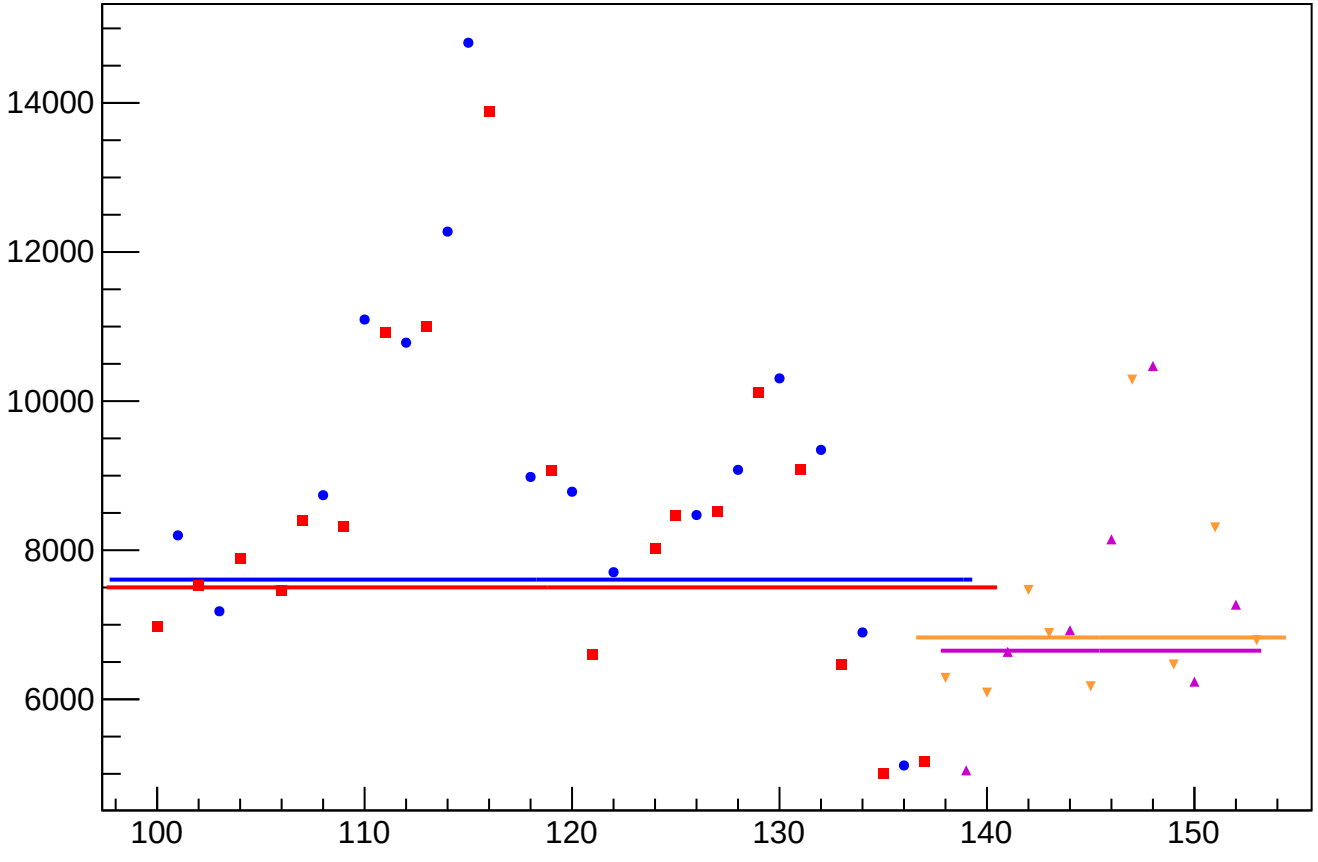
Left In: 4.626+/-2.763 χ^2/NDF:10.7/6

+ sign 1.792+/-1.953 χ^2/NDF: 17.6/24

All: 3.257+/-1.390 χ^2/NDF: 47.0/50

- sign 4.761+/-1.979 χ^2/NDF: 28.3/25

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6829.391+/-1.856 χ^2/NDF:297732.3/8

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

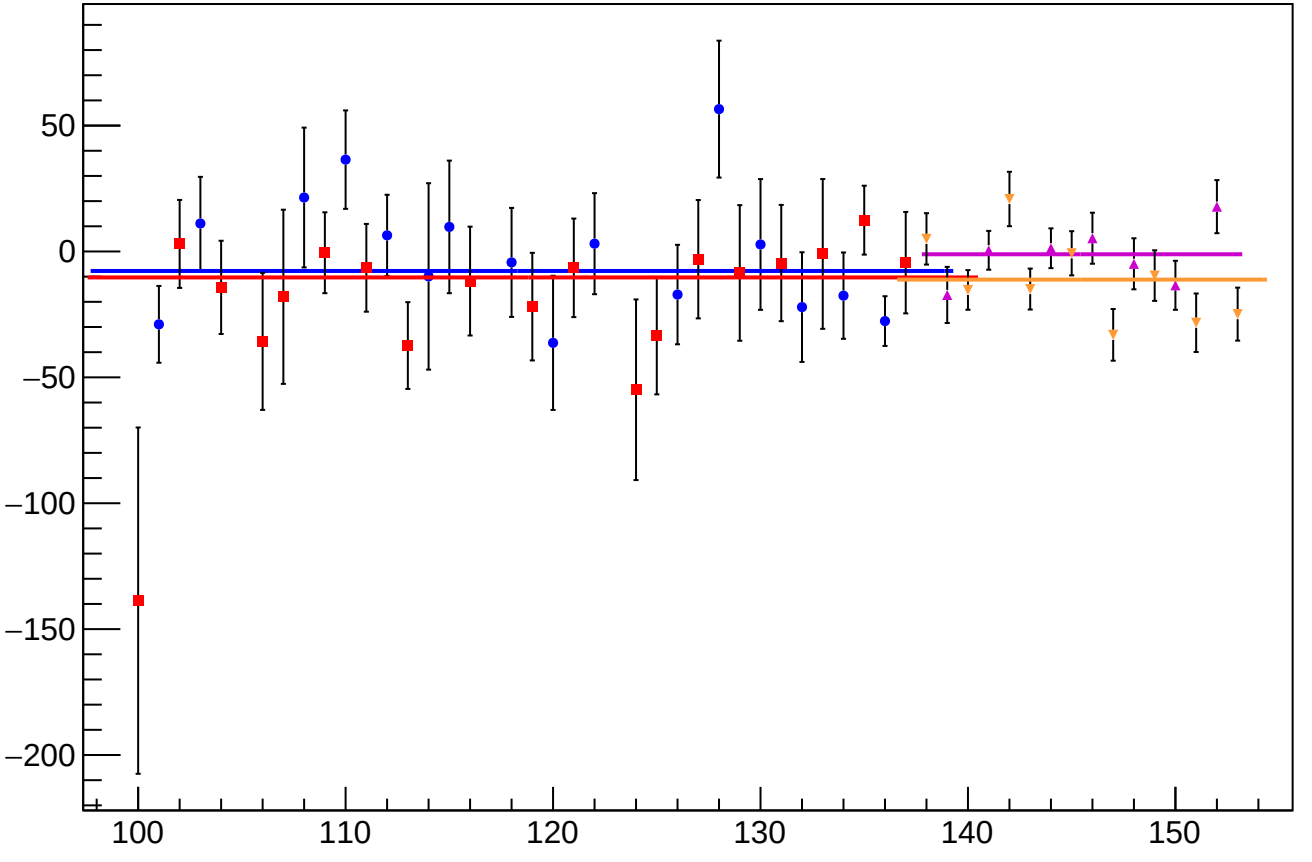
Left In: 6652.013+/-1.954 χ^2/NDF:463623.9/6

+ sign 7176.143+/-1.381 χ^2/NDF: 1267337.6/24

All: 7121.648+/-0.983 χ^2/NDF: 2649747.7/5

- sign 7065.687+/-1.399 χ^2/NDF: 1379253.5/25

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -11.177+/-3.191 χ^2/NDF:21.7/8

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

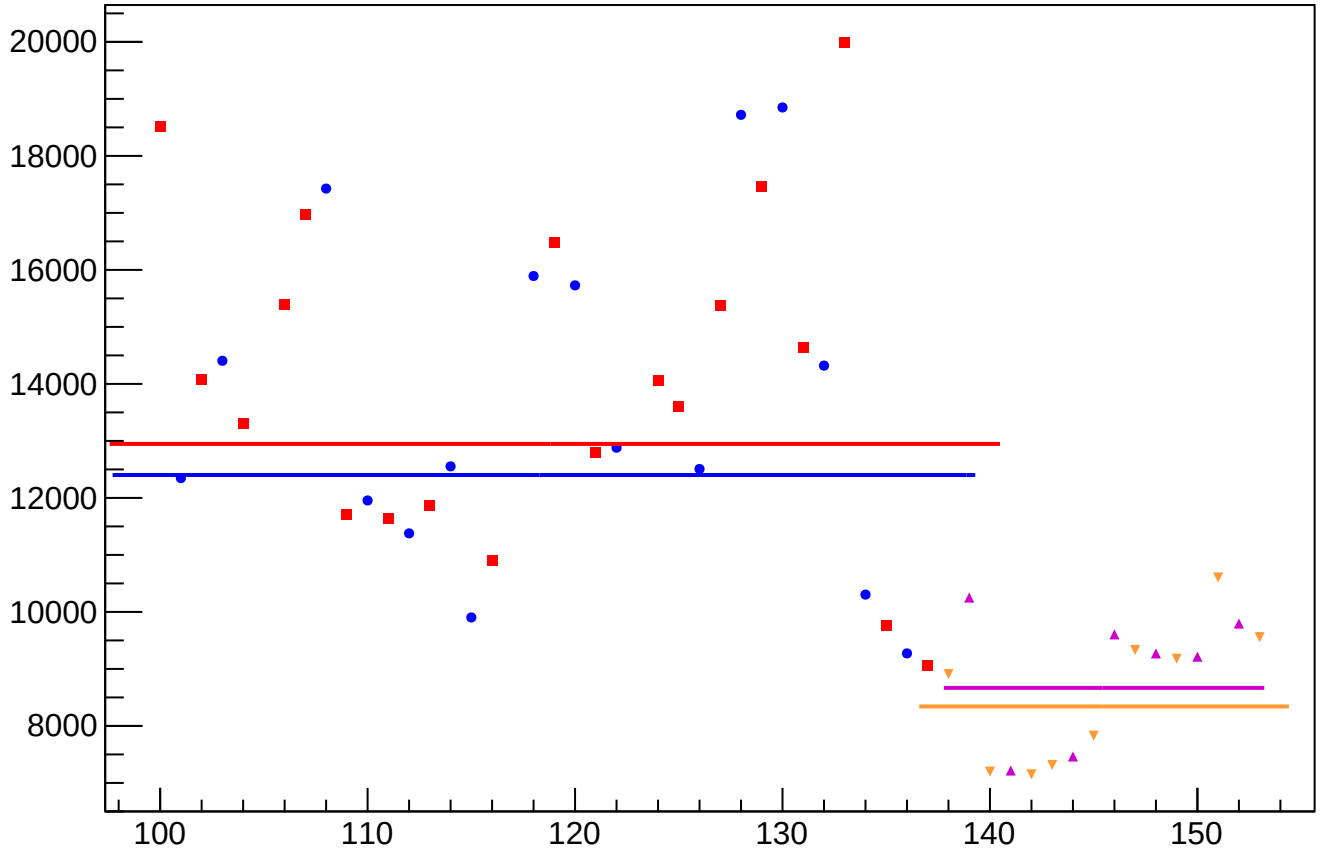
Left In: -1.107+/-3.537 χ^2/NDF:7.6/6

+ sign -10.108+/-2.648 χ^2/NDF: 44.7/24

All: -7.428+/-1.942 χ^2/NDF: 70.8/50

- sign -4.311+/-2.856 χ^2/NDF: 23.9/25

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8341.769+/-2.256 χ^2/NDF:246273.8/8

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

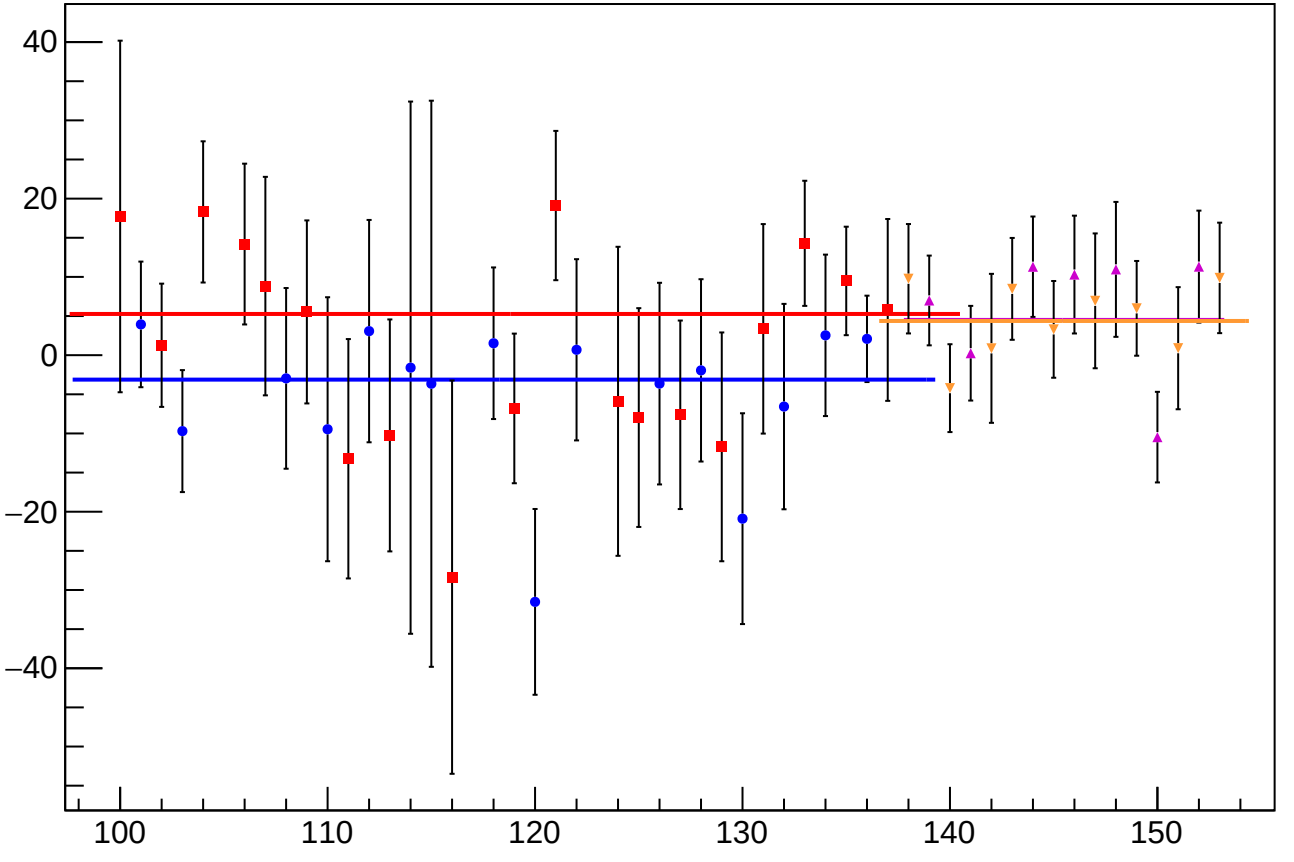
Left In: 8667.795+/-2.501 χ^2/NDF:211058.1/6

+ sign 9604.813+/-1.873 χ^2/NDF: 1931958.4/24

All: 9860.503+/-1.373 χ^2/NDF: 3757822.6/5

- sign 10157.817+/-2.019 χ^2/NDF: 1785543.4/25

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.370+/-2.292 χ^2/NDF:4.5/8

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

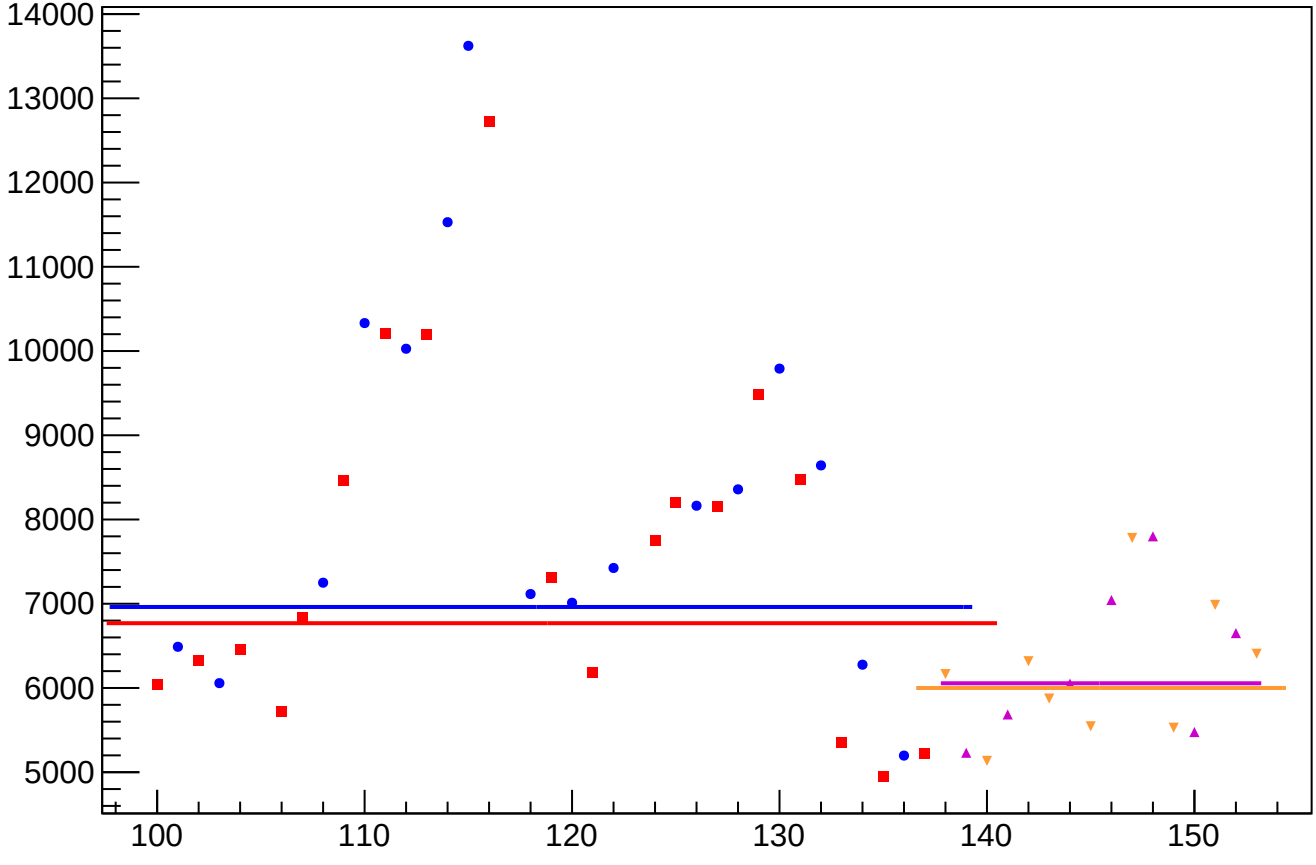
Left In: 4.503+/-2.480 χ^2/NDF:10.6/6

+ sign 1.171+/-1.735 χ^2/NDF: 19.9/24

All: 2.976+/-1.242 χ^2/NDF: 49.7/50

- sign 4.873+/-1.779 χ^2/NDF: 27.5/25

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6000.032+/-1.621 χ^2/NDF:198739.3/8

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

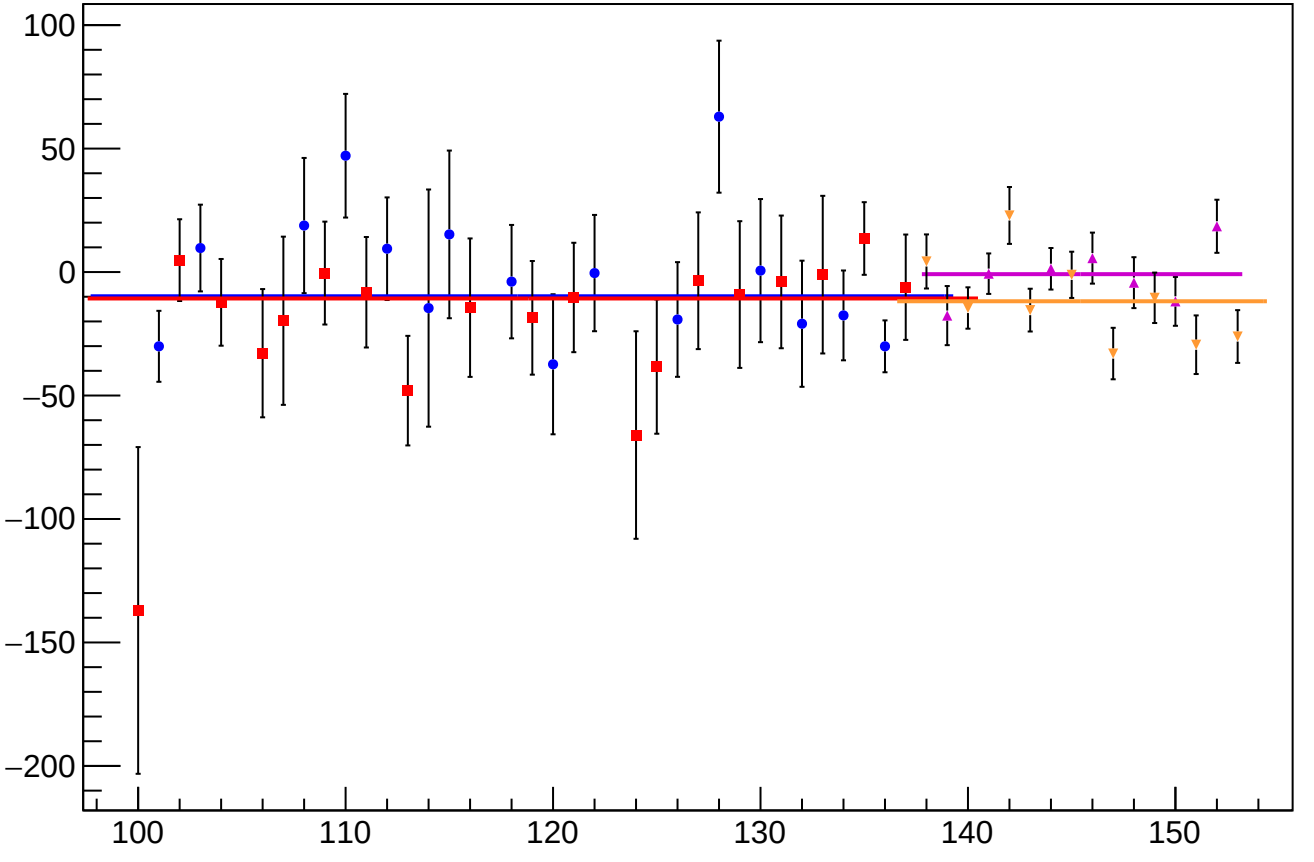
Left In: 6055.808+/-1.754 χ^2/NDF:199174.3/6

+ sign 6410.528+/-1.227 χ^2/NDF: 1045421.8/24

All: 6406.401+/-0.878 χ^2/NDF: 2123020.9/50

- sign 6402.063+/-1.258 χ^2/NDF: 1077575.9/25

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -11.828+/-3.342 χ^2/NDF:21.0/8

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

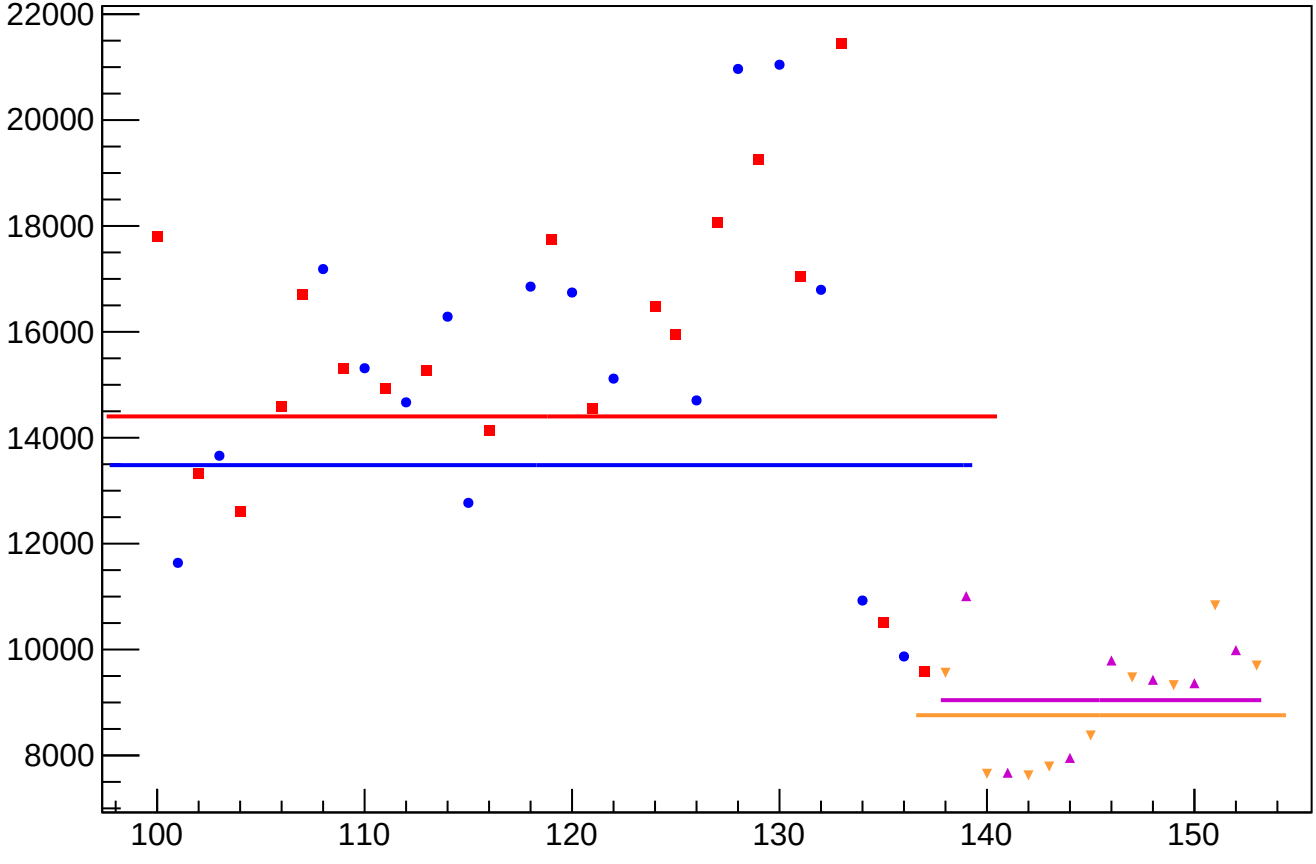
Left In: -0.852+/-3.685 χ^2/NDF:7.0/6

+ sign -11.234+/-2.808 χ^2/NDF: 43.1/24

All: -7.903+/-2.063 χ^2/NDF: 69.8/50

- sign -3.997+/-3.040 χ^2/NDF: 23.6/25

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8759.497+/-2.363 χ^2/NDF:185532.4/8

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

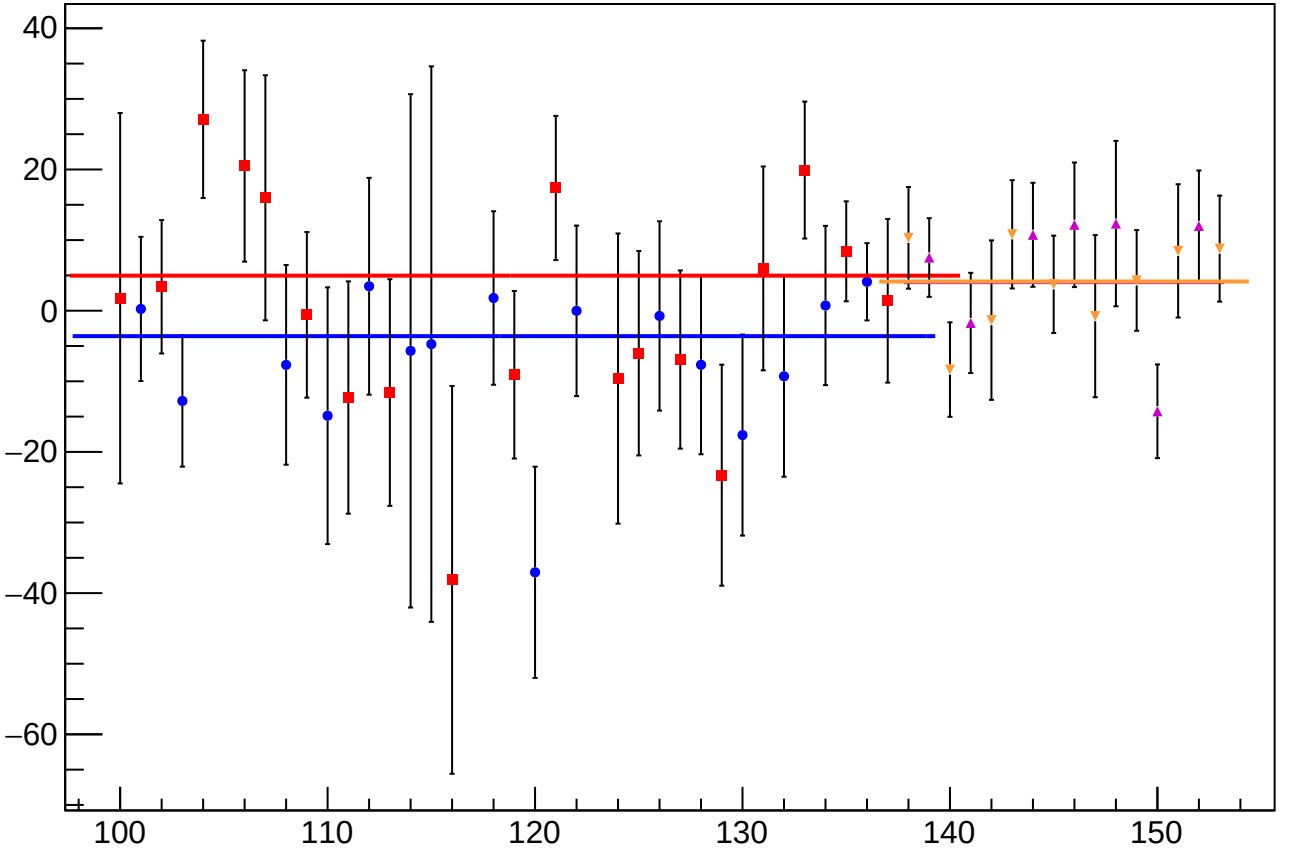
Left In: 9043.956+/-2.606 χ^2/NDF:174231.9/6

+ sign 10148.594+/-1.986 χ^2/NDF: 2104003.5/24

All: 10427.760+/-1.459 χ^2/NDF: 4223944.4/5

- sign 10755.040+/-2.150 χ^2/NDF: 2077000.0/25

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.137+/-2.638 χ^2/NDF:6.0/8

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

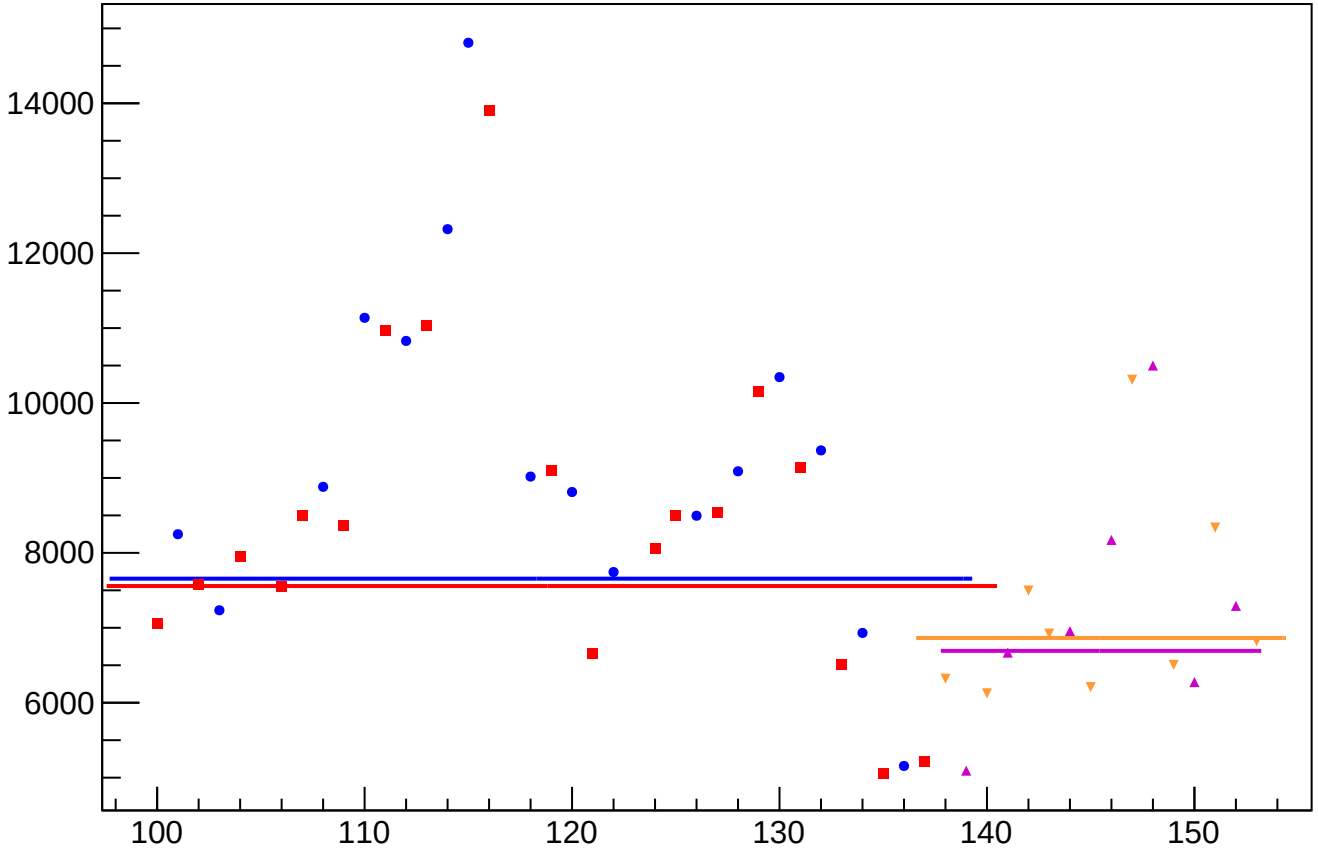
Left In: 4.045+/-2.778 χ^2/NDF:11.9/6

+ sign 0.684+/-1.963 χ^2/NDF: 20.3/24

All: 2.561+/-1.398 χ^2/NDF: 55.4/50

- sign 4.493+/-1.991 χ^2/NDF: 33.3/25

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6864.147+/-1.865 χ^2/NDF:294376.6/8

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

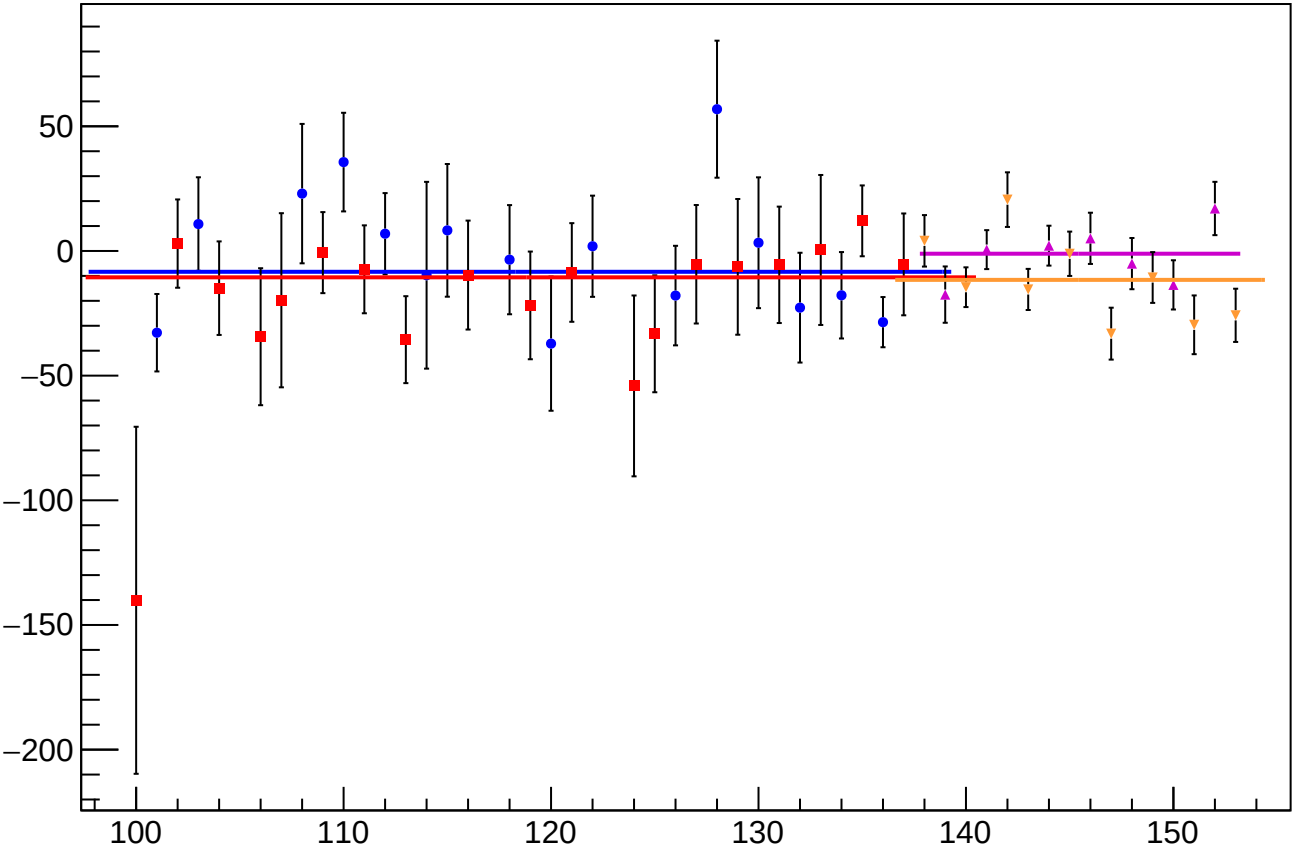
Left In: 6692.051+/-1.964 χ^2/NDF:454709.0/6

+ sign 7217.273+/-1.388 χ^2/NDF: 1254491.8/24

All: 7165.816+/-0.989 χ^2/NDF: 2616231.5/50

- sign 7112.896+/-1.408 χ^2/NDF: 1358953.4/25

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -11.591+/-3.233 χ^2/NDF:21.1/8

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

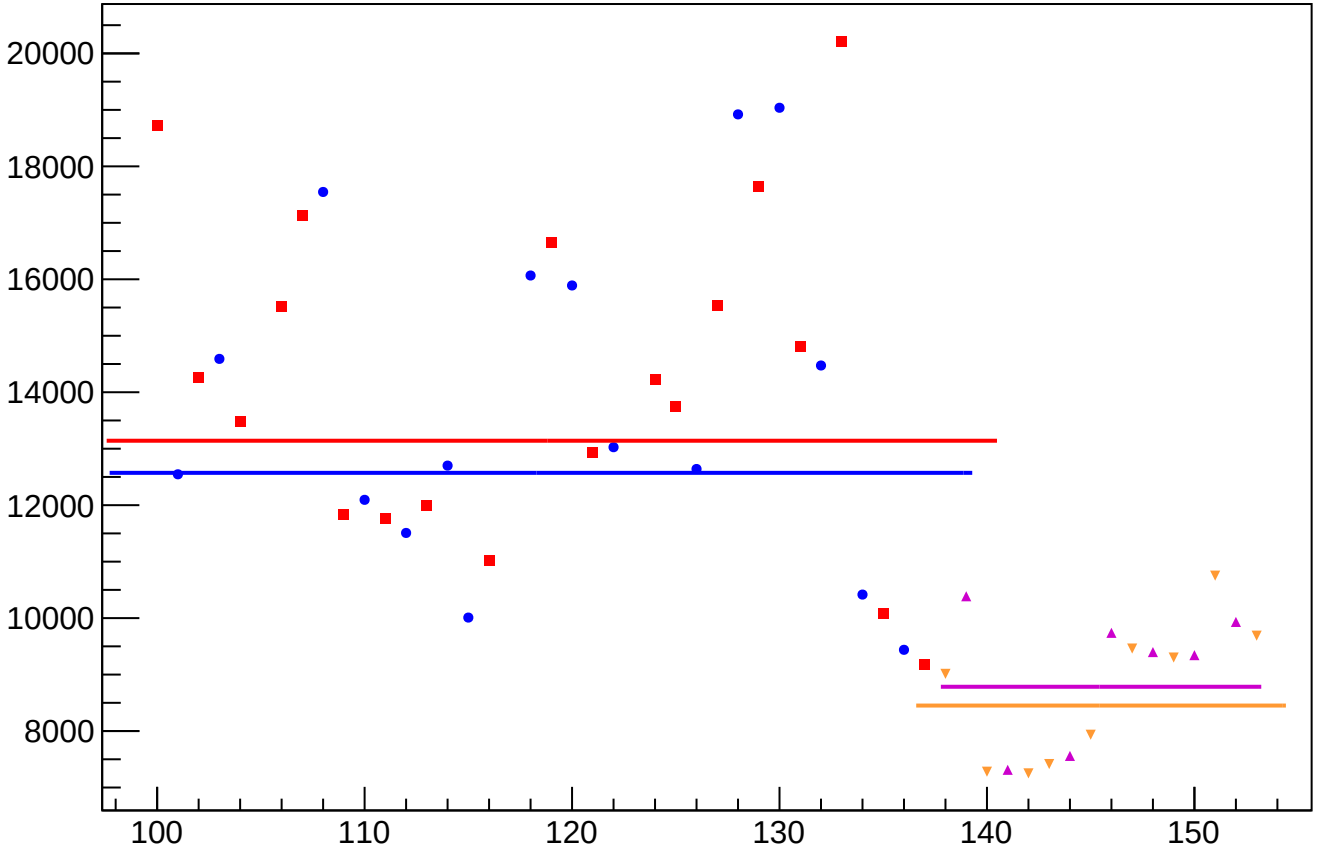
Left In: -1.099+/-3.585 χ^2/NDF:7.3/6

+ sign -10.584+/-2.684 χ^2/NDF: 44.6/24

All: -7.723+/-1.968 χ^2/NDF: 69.7/50

- sign -4.393+/-2.895 χ^2/NDF: 22.6/25

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8451.586+/-2.286 χ^2/NDF:247399.9/8

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

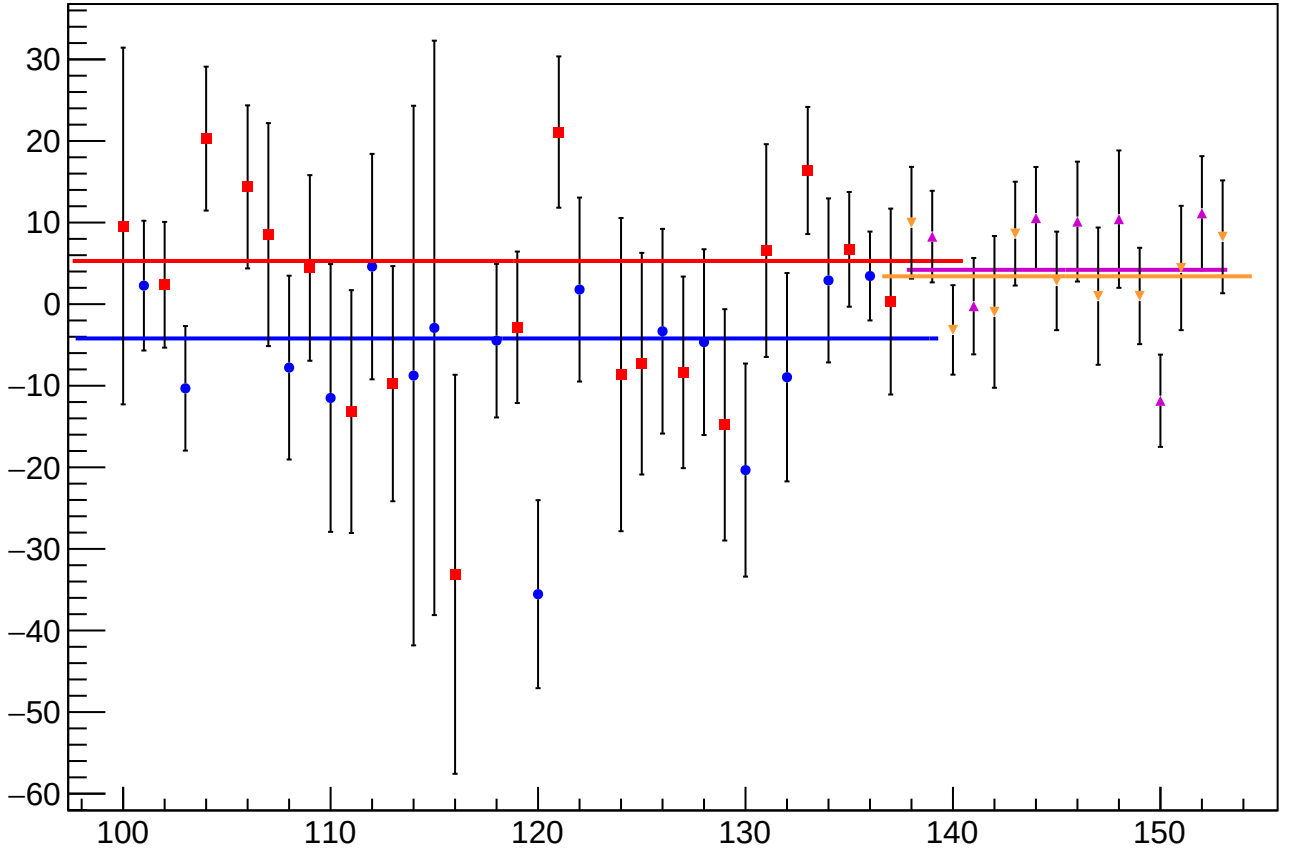
Left In: 8784.304+/-2.535 χ^2/NDF:211951.8/6

+ sign 9732.566+/-1.898 χ^2/NDF: 1922581.1/24

All: 9994.279+/-1.392 χ^2/NDF: 3737394.2/50

- sign 10298.899+/-2.047 χ^2/NDF: 1773658.1/25

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.413+/-2.241 χ^2/NDF:4.0/8

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

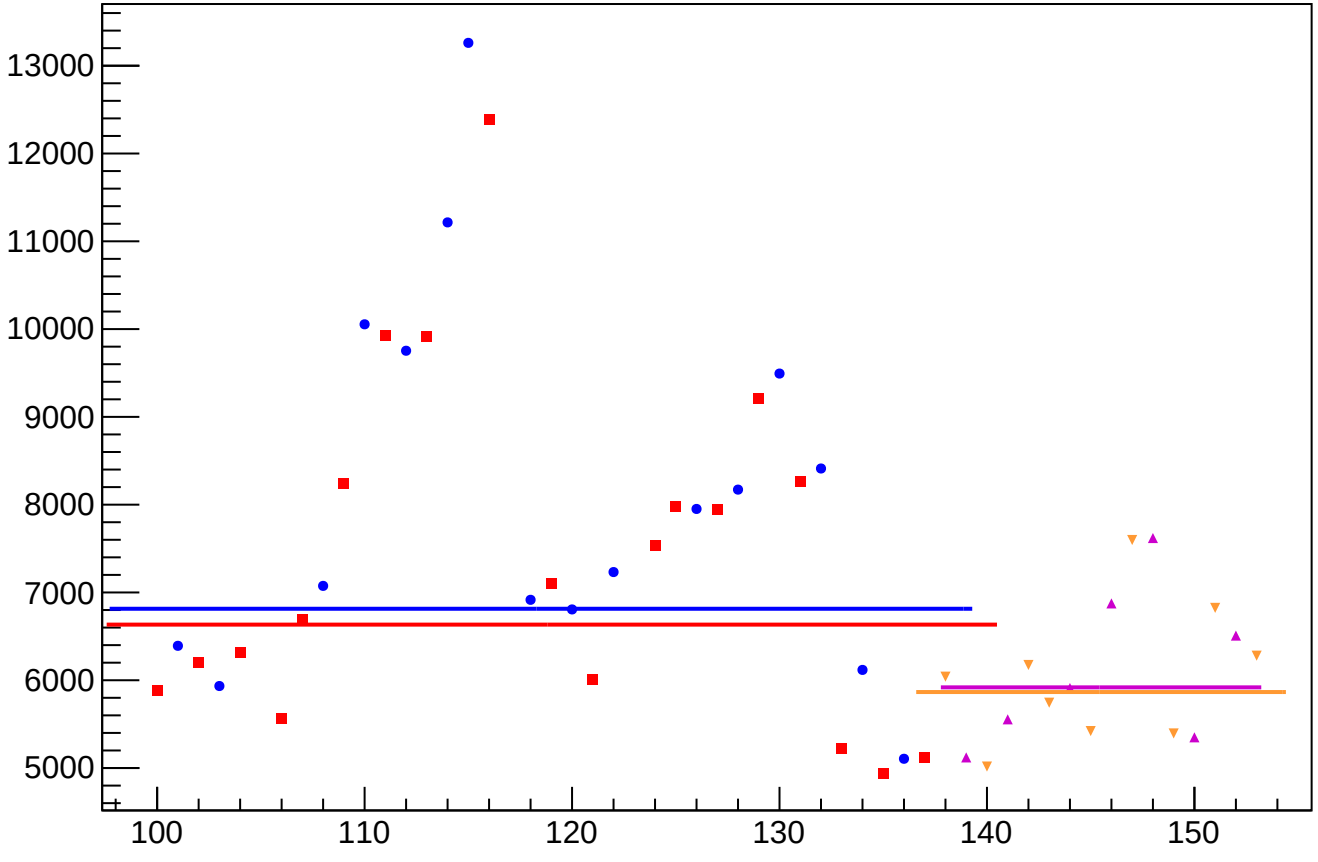
Left In: 4.207+/-2.424 χ^2/NDF:12.3/6

+ sign 0.167+/-1.697 χ^2/NDF: 22.8/24

All: 2.391+/-1.215 χ^2/NDF: 58.5/50

- sign 4.730+/-1.741 χ^2/NDF: 32.2/25

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5865.717+/-1.584 χ^2/NDF:199358.3/8

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

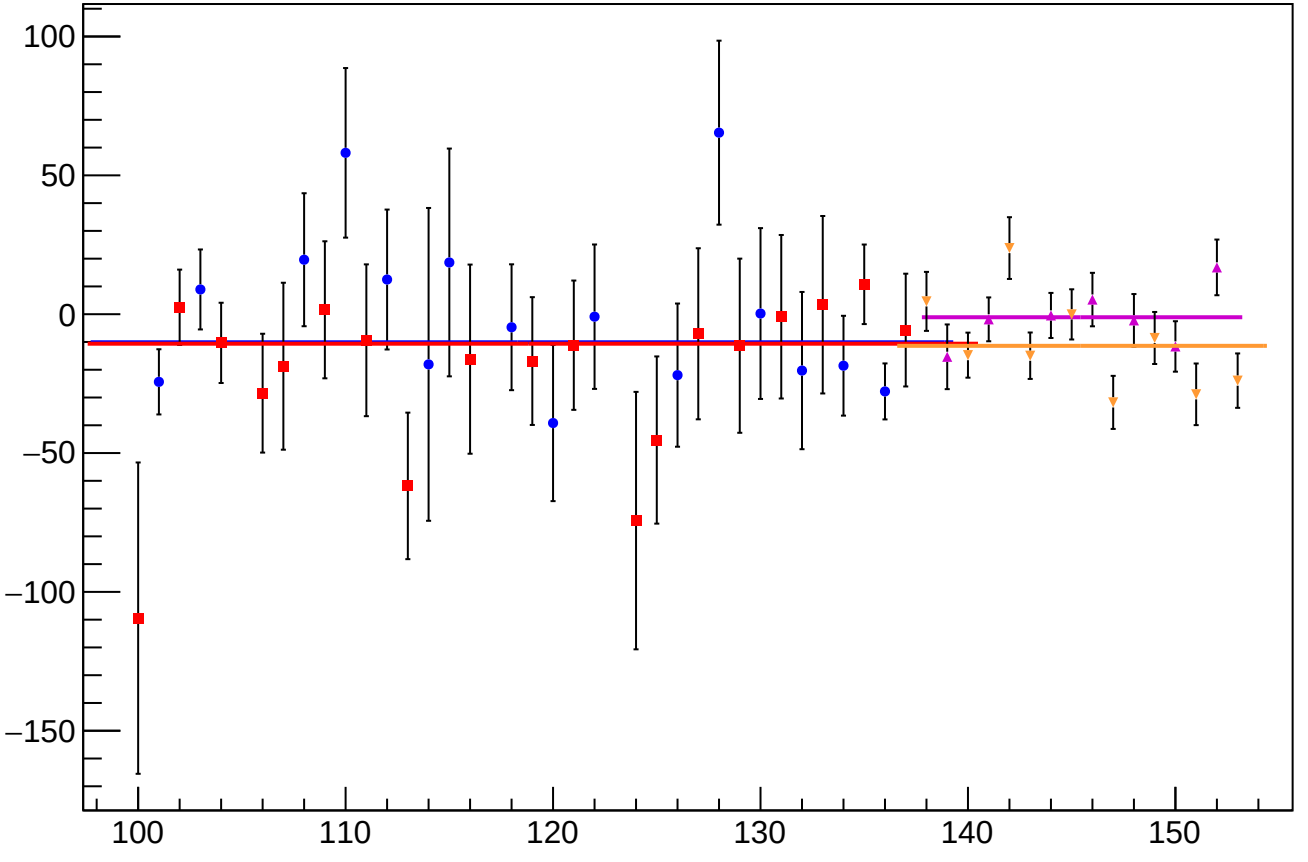
Left In: 5919.028+/-1.714 χ^2/NDF:197983.9/6

+ sign 6269.932+/-1.200 χ^2/NDF: 1026177.1/24

All: 6267.550+/-0.859 χ^2/NDF: 2071689.1/50

- sign 6265.045+/-1.231 χ^2/NDF: 1045503.9/25

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -11.390+/-3.169 χ^2/NDF:23.0/8

Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

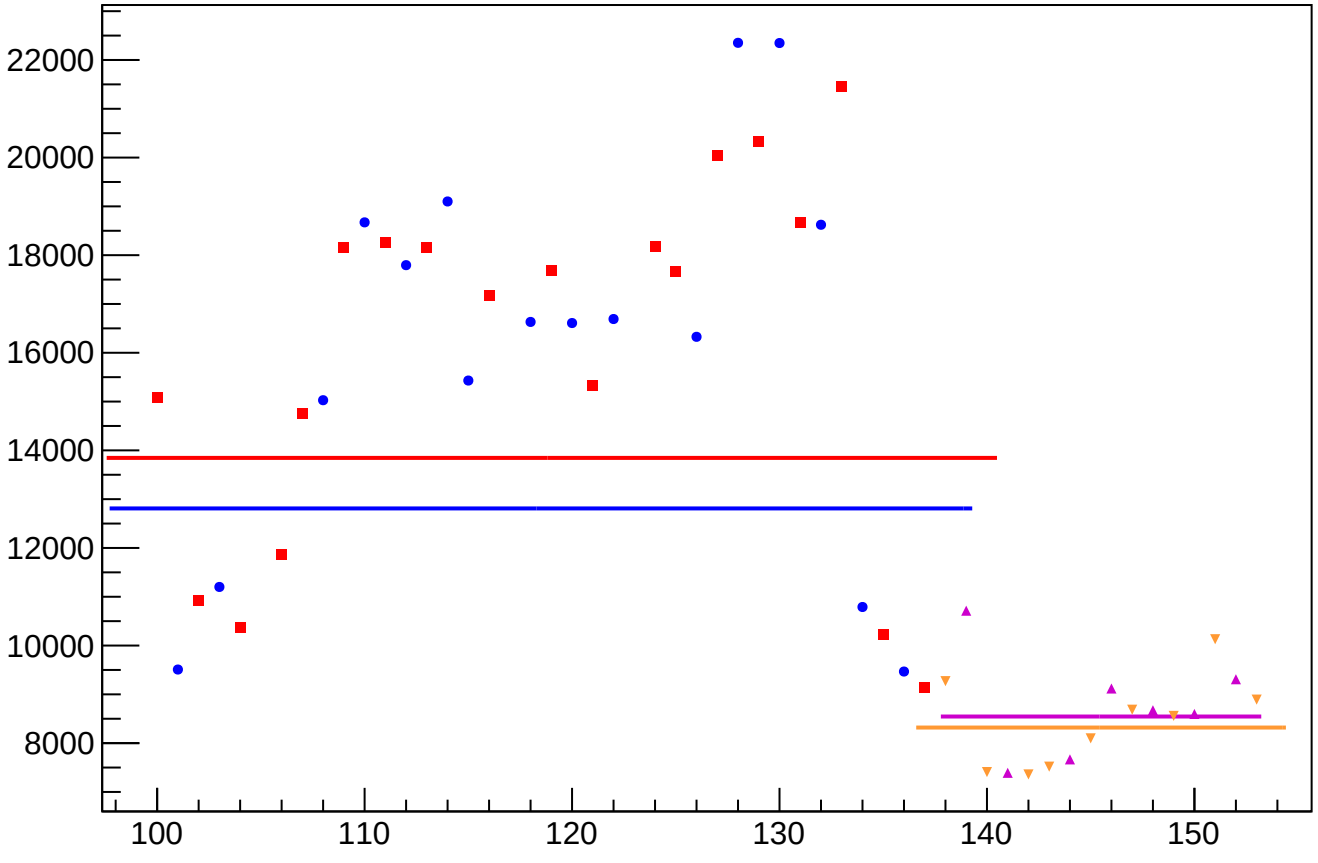
Left In: -1.096+/-3.480 χ^2/NDF:6.5/6

+ sign -11.026+/-2.679 χ^2/NDF: 44.3/24

All: -7.789+/-1.969 χ^2/NDF: 71.0/50

- sign -3.984+/-2.905 χ^2/NDF: 23.5/25

diff_bpm1X_rms vs Slug



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8319.671+/-2.241 χ^2/NDF:140097.9/8

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

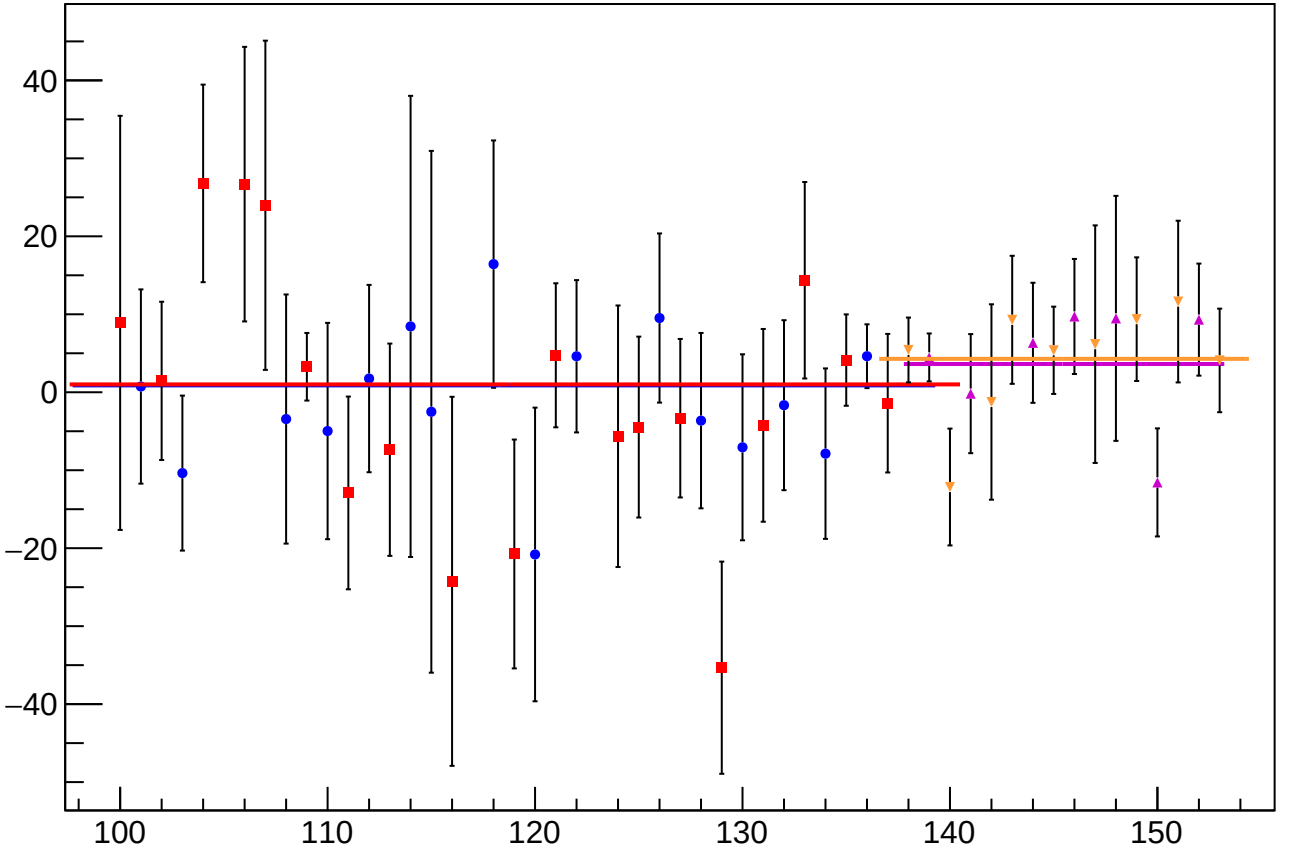
Left In: 8545.649+/-2.461 χ^2/NDF:154590.1/6

+ sign 9600.037+/-1.894 χ^2/NDF: 2533526.0/24

All: 9853.797+/-1.393 χ^2/NDF: 5229805.4/50

- sign 10152.180+/-2.054 χ^2/NDF: 2657238.5/25

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 4.284+/-2.350 χ^2/NDF:6.4/8

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

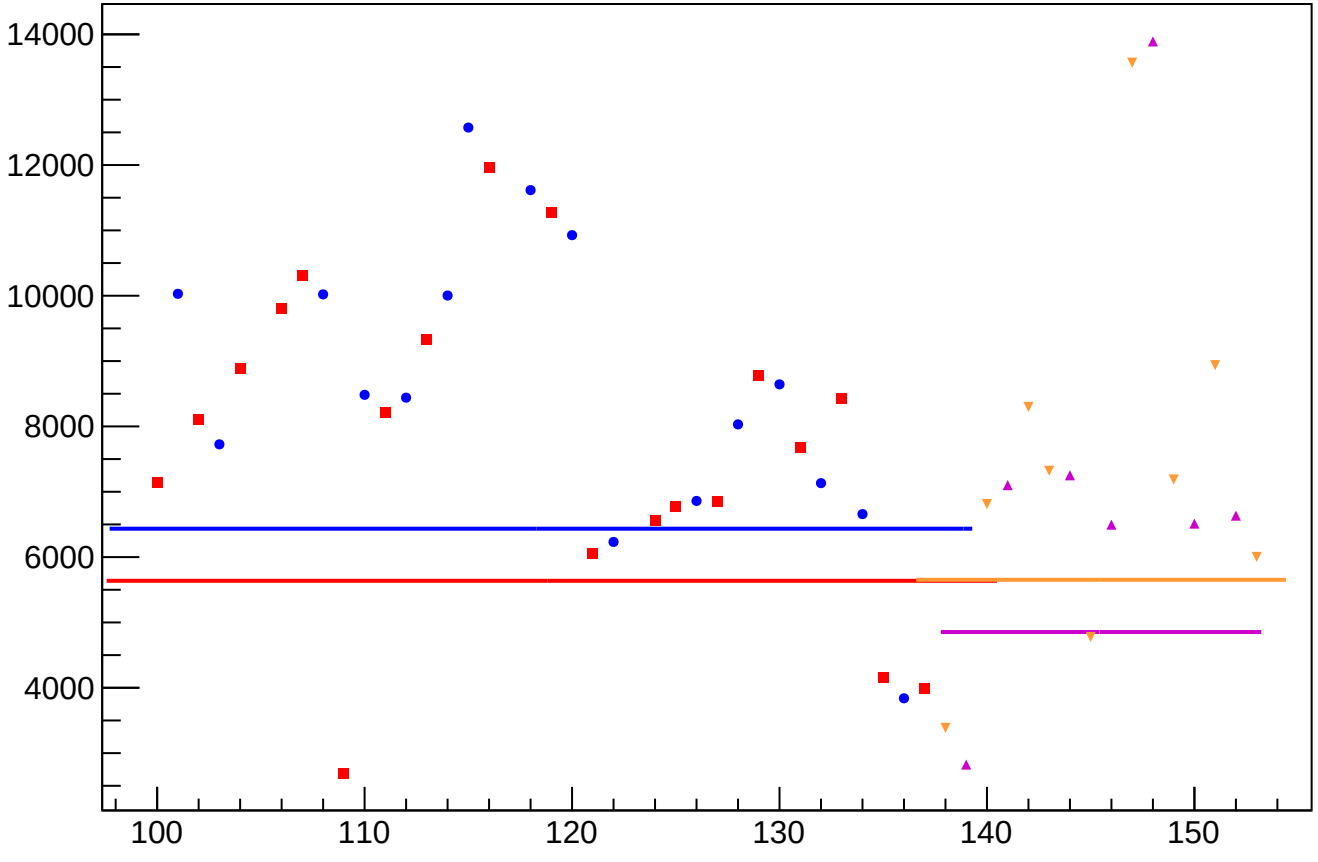
Left In: 3.622+/-2.222 χ^2/NDF:6.7/6

+ sign 2.732+/-1.733 χ^2/NDF: 14.2/24

All: 2.535+/-1.177 χ^2/NDF: 43.9/50

- sign 2.367+/-1.603 χ^2/NDF: 29.7/25

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5652.629+/-1.662 χ^2/NDF:1684471.6/8

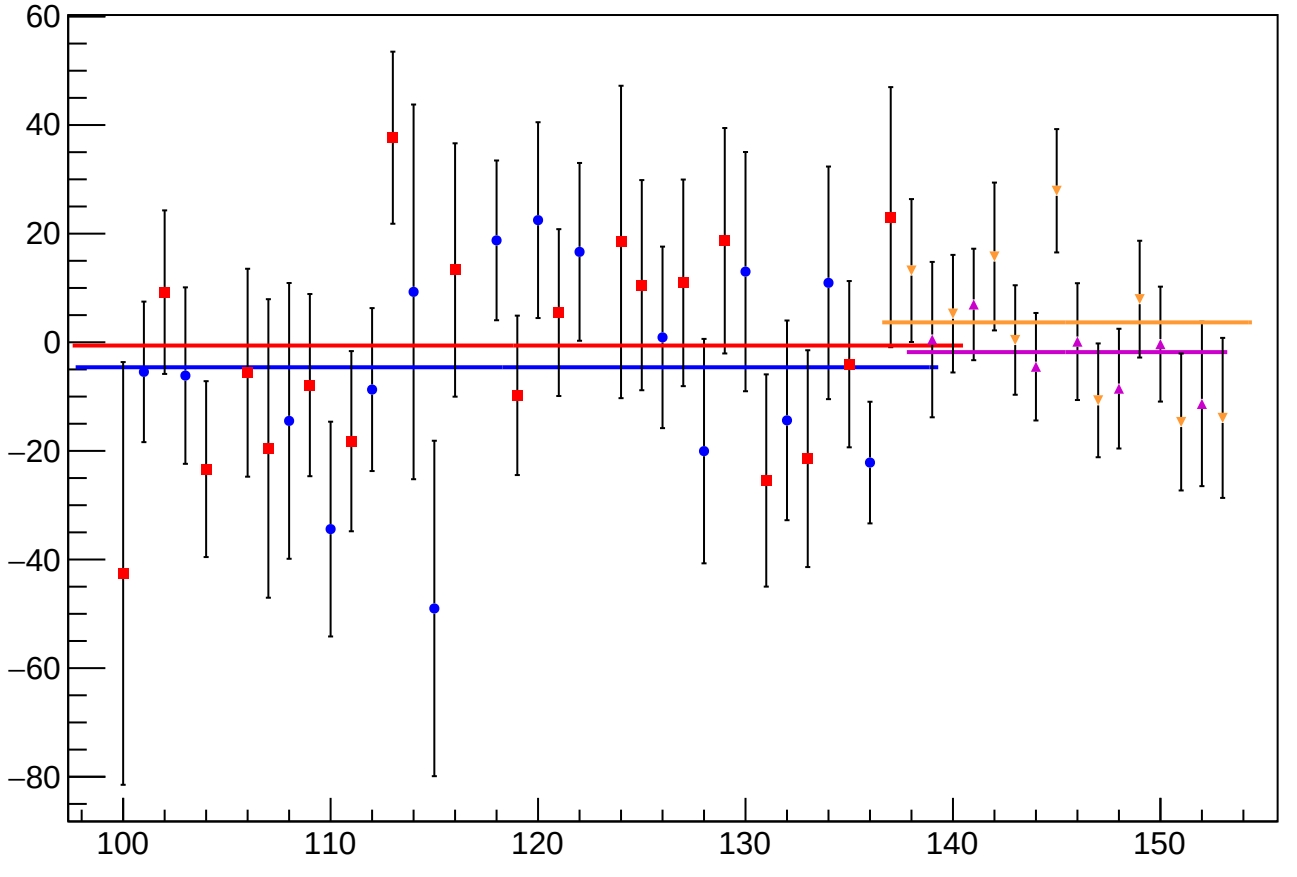
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4853.456+/-1.571 χ^2/NDF:2237462.6/6

\+ sign 6009.311+/-1.225 χ^2/NDF: 3536076.7/24

All: 5588.980+/-0.832 χ^2/NDF: 8691214.4/50

\- sign 5229.528+/-1.133 χ^2/NDF: 4936892.7/25



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 3.664+/-3.893 χ^2/NDF:11.6/8

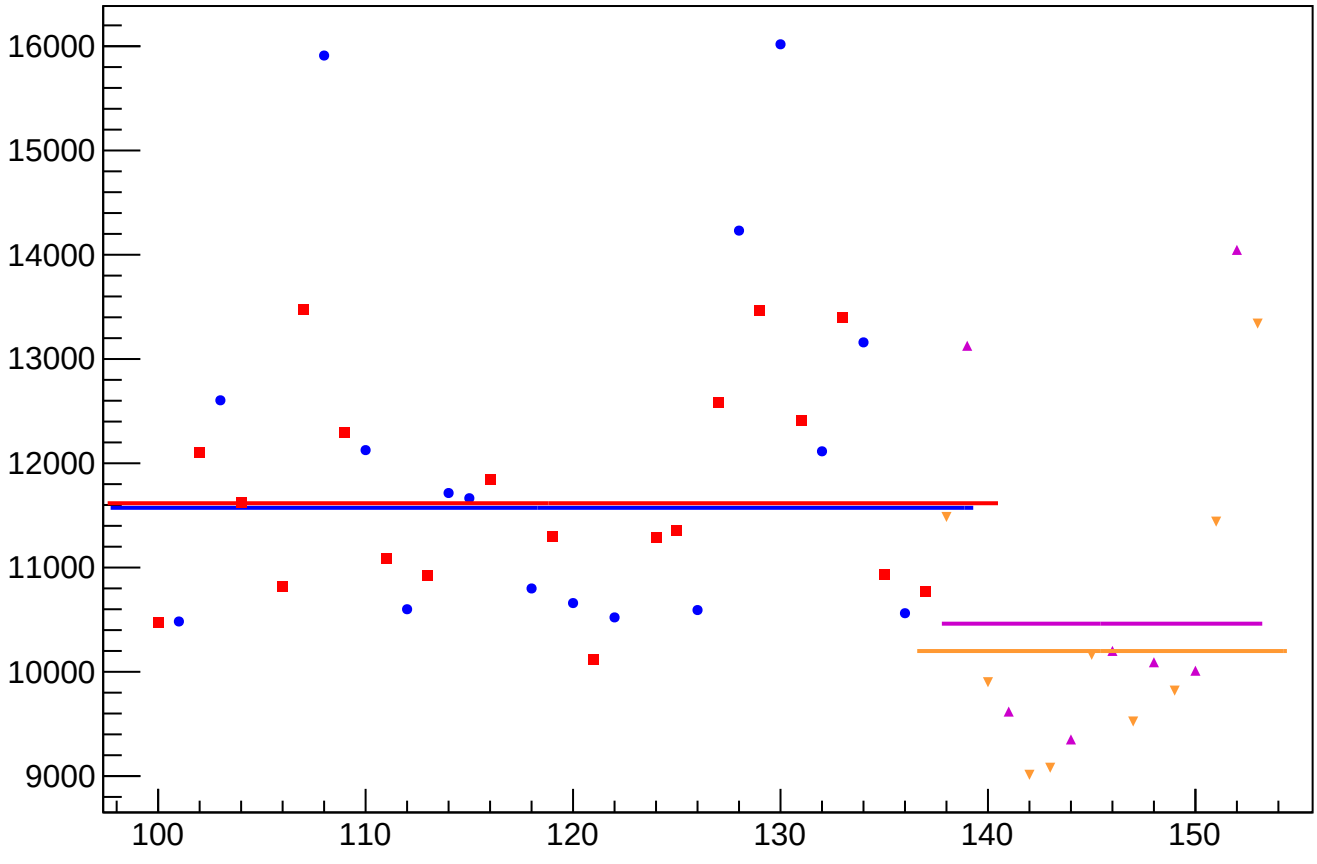
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -1.812+/-4.273 χ^2/NDF:1.7/6

+ sign -0.008+/-2.903 χ^2/NDF: 29.4/24

All: -0.583+/-2.092 χ^2/NDF: 49.0/50

- sign -1.205+/-3.019 χ^2/NDF: 19.6/25



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10199.265+/-2.753 χ^2/NDF:181588.5/8

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

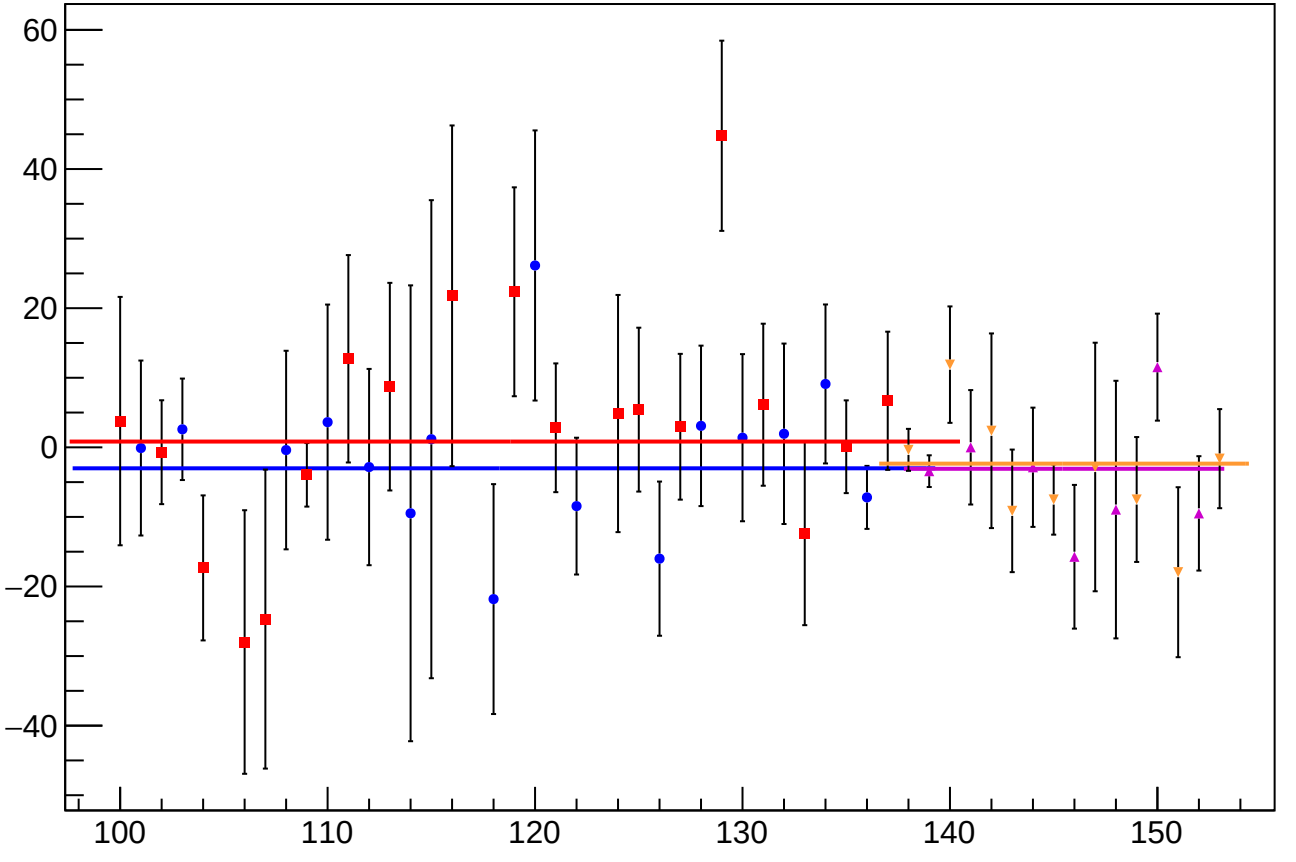
Left In: 10461.642+/-3.022 χ^2/NDF:227320.5/6

+ sign 10809.579+/-2.052 χ^2/NDF: 552277.9/24

All: 10920.304+/-1.480 χ^2/NDF: 952011.4/50

- sign 11040.114+/-2.135 χ^2/NDF: 393673.6/25

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -2.344+/-2.117 χ^2/NDF:7.0/8

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

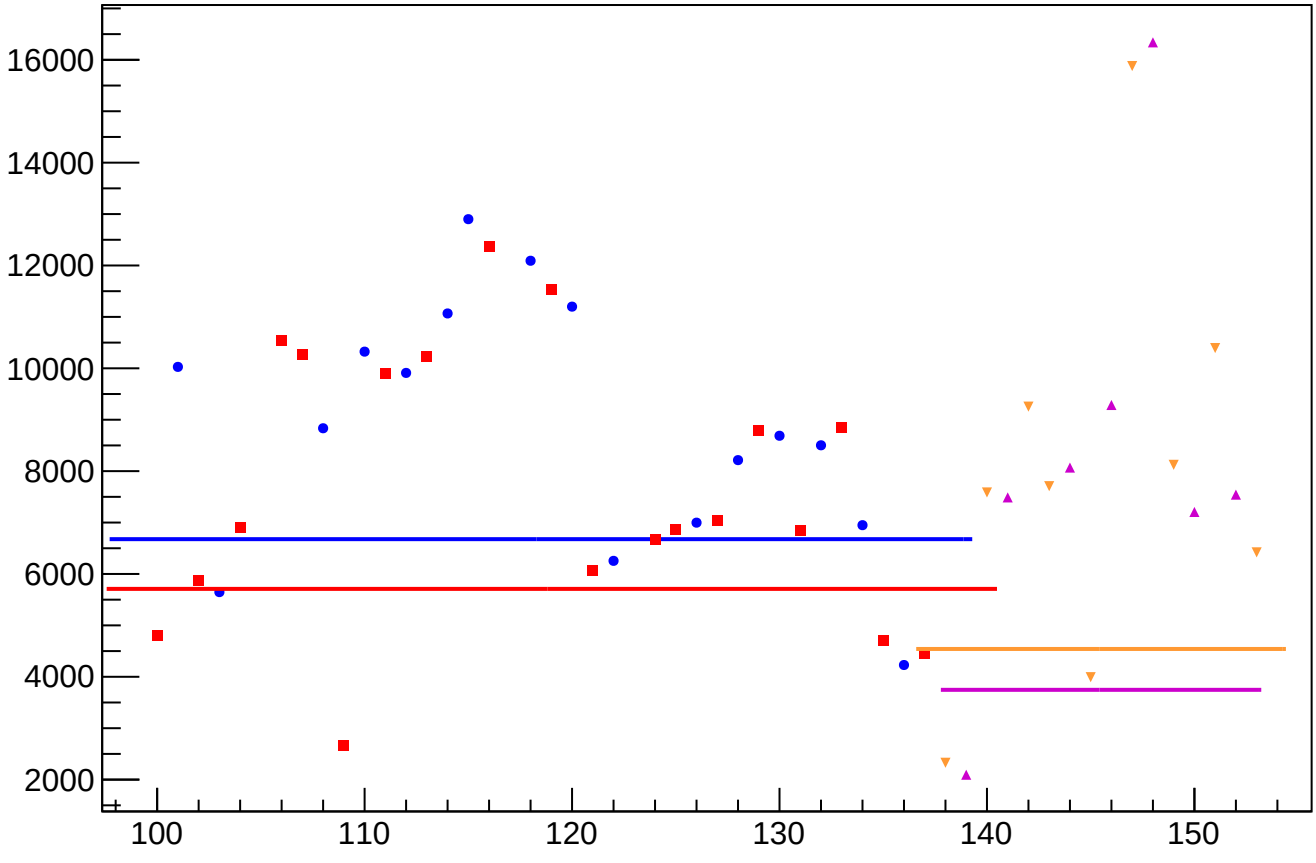
Left In: -3.083+/-1.943 χ^2/NDF:6.0/6

+ sign -2.604+/-1.655 χ^2/NDF: 15.7/24

All: -1.995+/-1.111 χ^2/NDF: 47.4/50

- sign -1.495+/-1.498 χ^2/NDF: 31.5/25

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 4541.301+/-1.497 χ^2/NDF:3572352.6/8

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

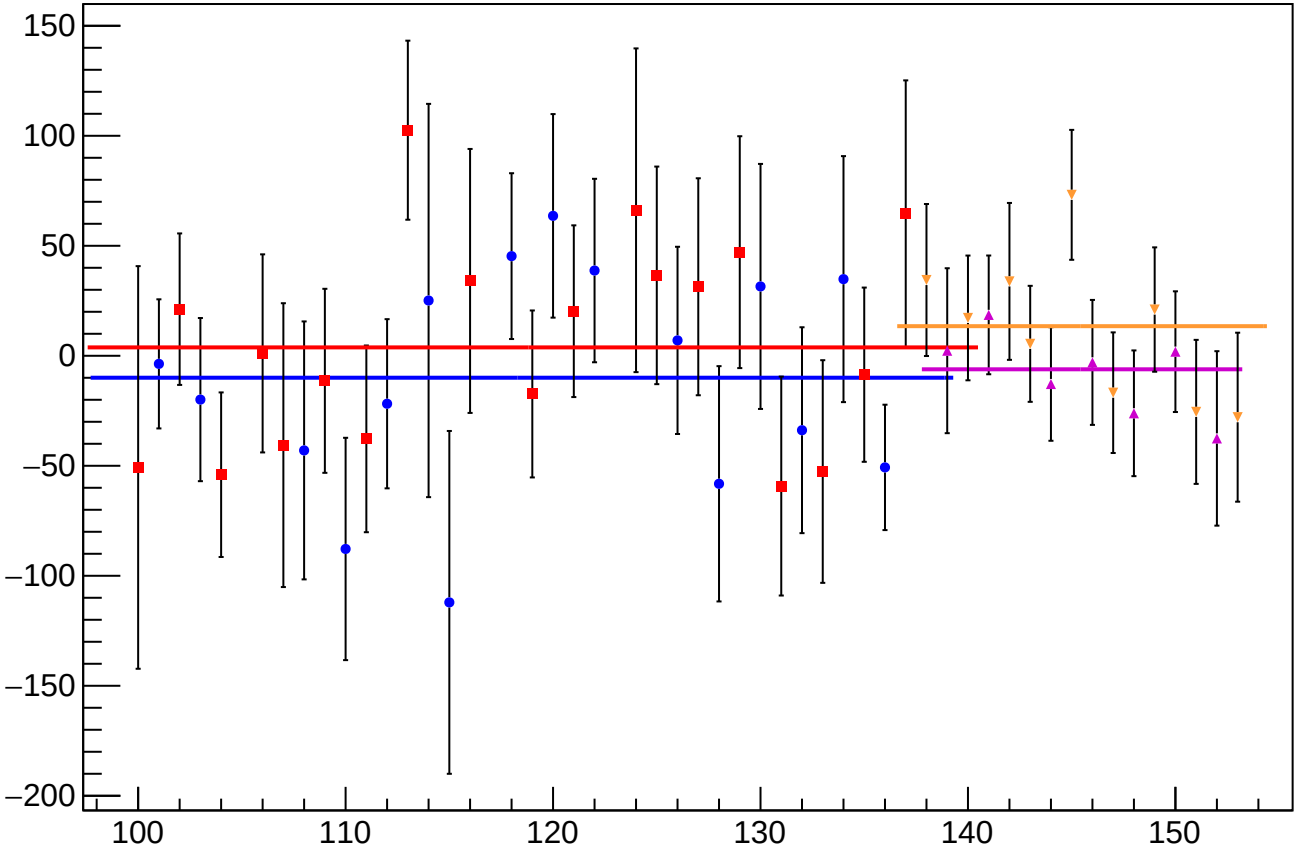
Left In: 3746.348+/-1.374 χ^2/NDF:4304508.0/6

+ sign 5371.525+/-1.170 χ^2/NDF: 5936815.3/24

All: 4916.290+/-0.785 χ^2/NDF: 13646241.2/5

- sign 4543.174+/-1.059 χ^2/NDF: 7433991.8/25

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 13.458+/-10.181 χ^2/NDF:8.8/8

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

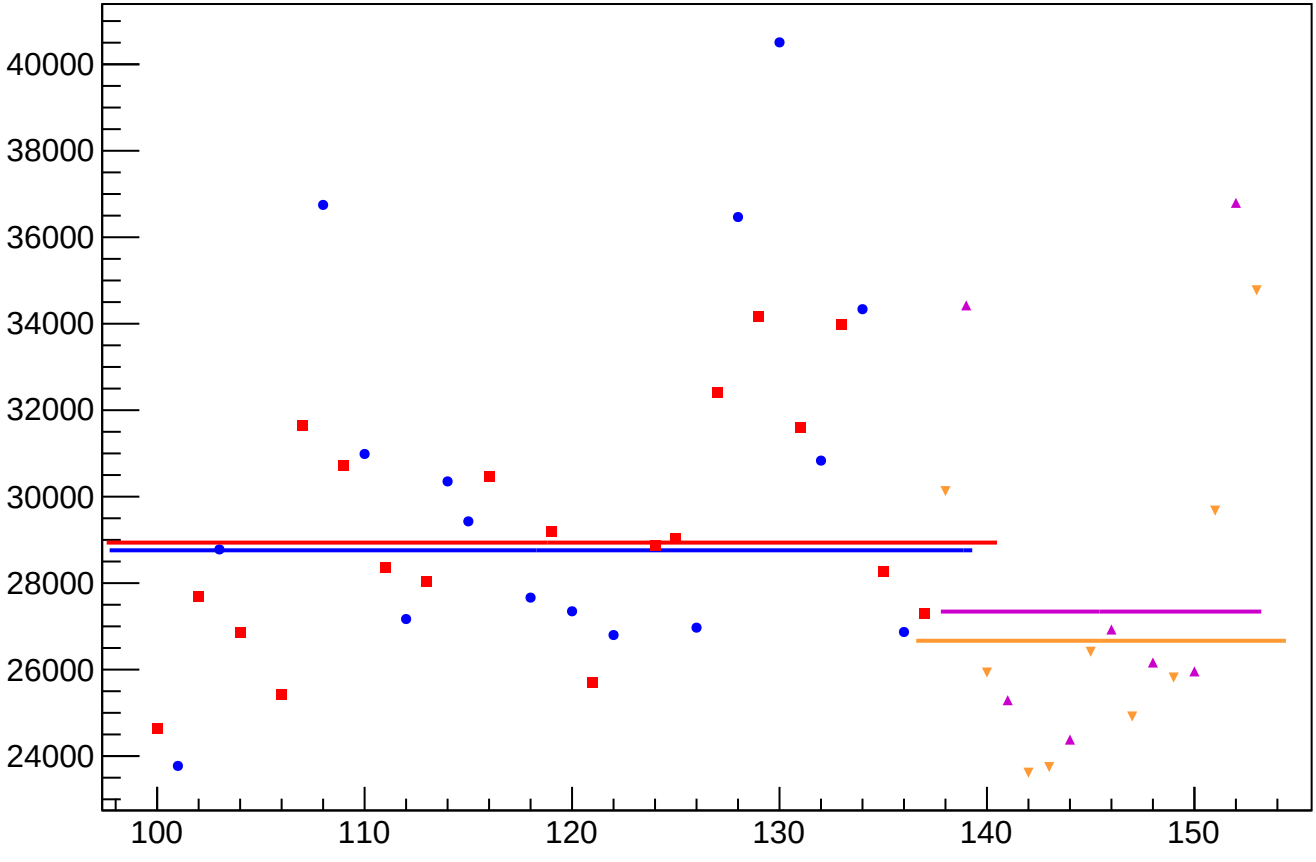
Left In: -6.144+/-11.170 χ^2/NDF:2.2/6

+ sign 2.474+/-7.420 χ^2/NDF: 26.5/24

All: 0.840+/-5.344 χ^2/NDF: 46.5/50

- sign -0.922+/-7.703 χ^2/NDF: 19.9/25

diff_bpm12X_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26666.901+/-7.199 χ^2/NDF:176717.7/8

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

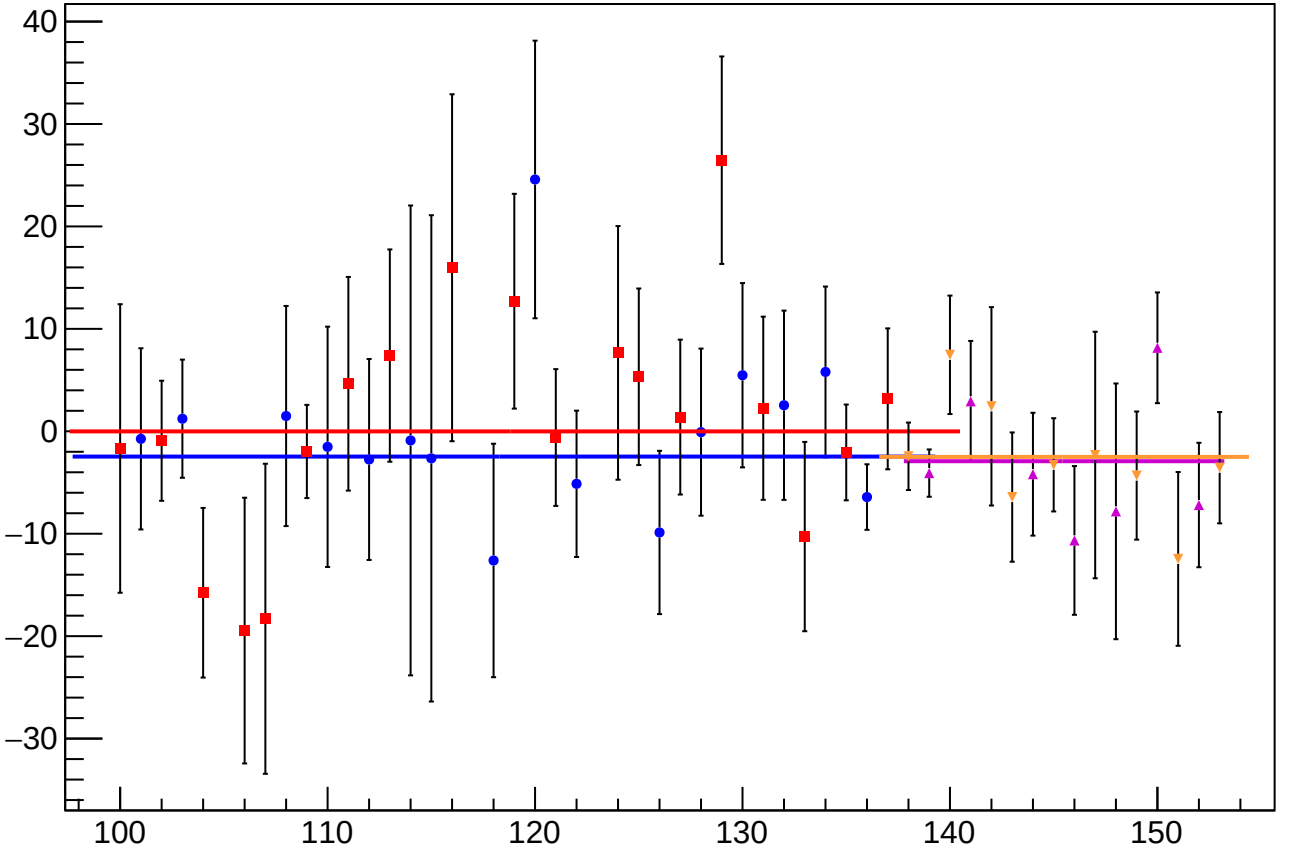
Left In: 27342.019+/-7.898 χ^2/NDF:231846.7/6

+ sign 27647.865+/-5.247 χ^2/NDF: 493955.5/24

All: 27903.435+/-3.779 χ^2/NDF: 858402.2/50

- sign 28178.846+/-5.447 χ^2/NDF: 359517.1/25

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -2.497+/-1.868 χ^2/NDF:5.1/8

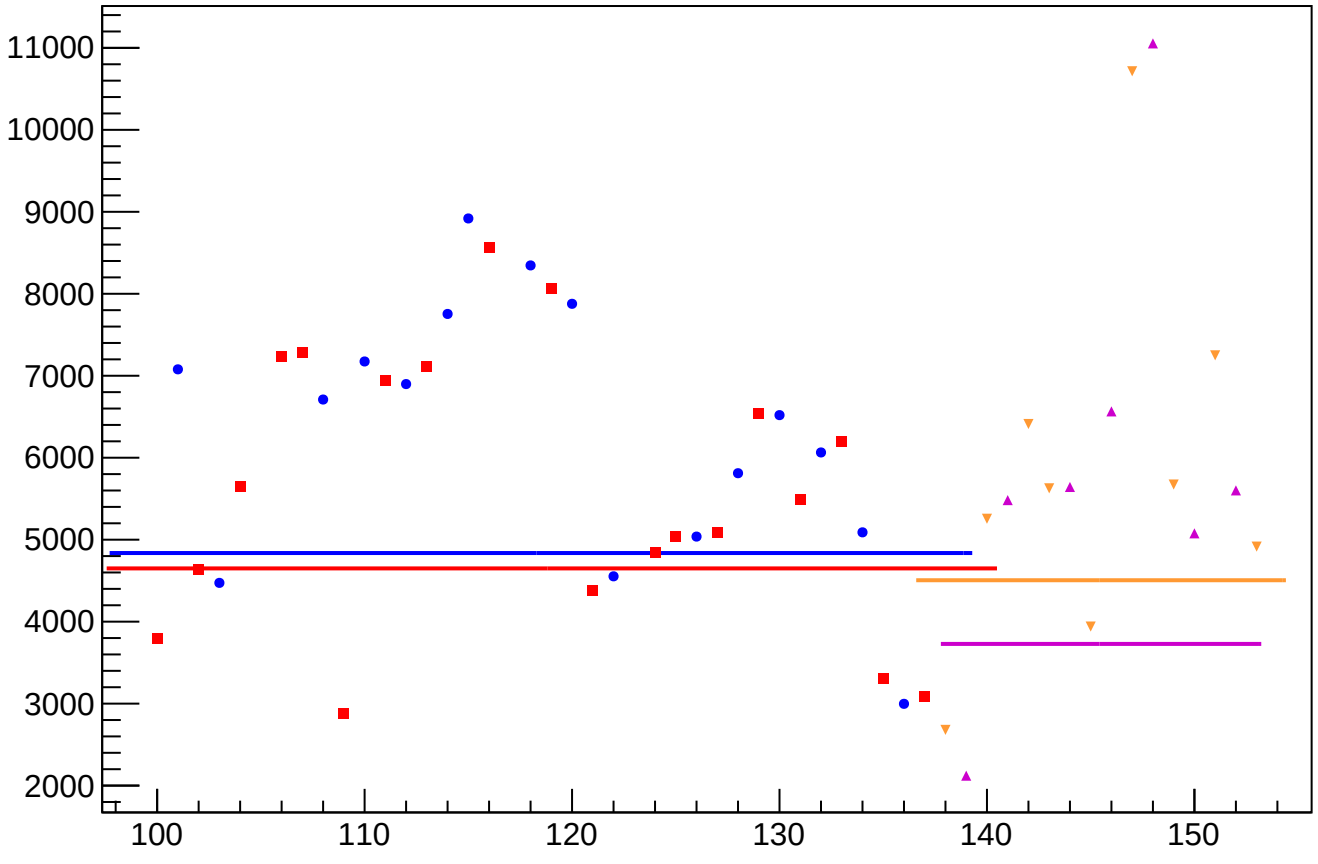
Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: -2.921+/-1.738 χ^2/NDF:7.3/6

+ sign -2.483+/-1.338 χ^2/NDF: 15.2/24

All: -1.982+/-0.917 χ^2/NDF: 44.0/50

- sign -1.538+/-1.260 χ^2/NDF: 28.6/25



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4505.240+/-1.321 χ^2/NDF:1642831.2/8

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

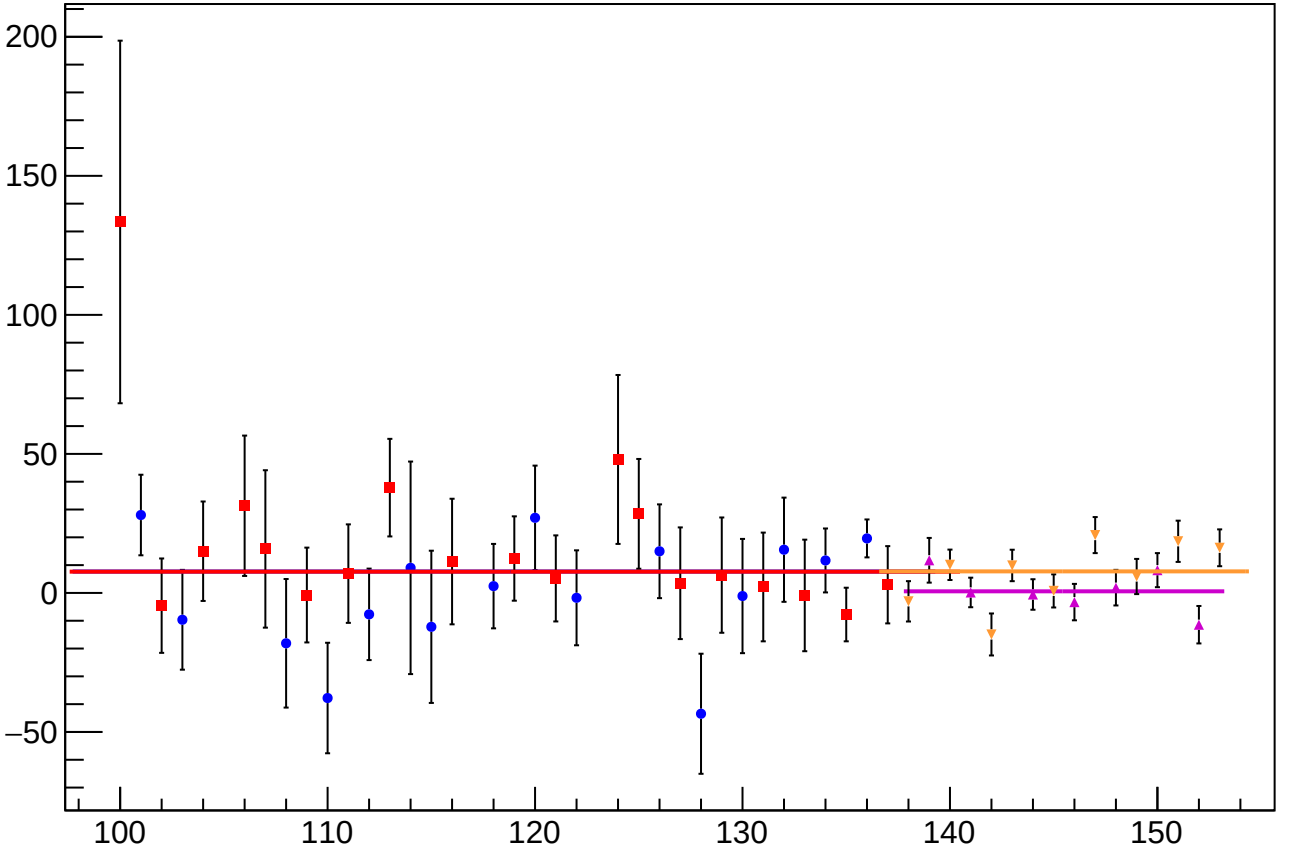
Left In: 3728.397+/-1.229 χ^2/NDF:2659448.7/6

+ sign 4667.071+/-0.946 χ^2/NDF: 3221371.3/24

All: 4401.457+/-0.648 χ^2/NDF: 7730887.7/50

- sign 4165.845+/-0.891 χ^2/NDF: 4360690.2/25

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 7.752+/-2.136 χ^2/NDF:20.9/8

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

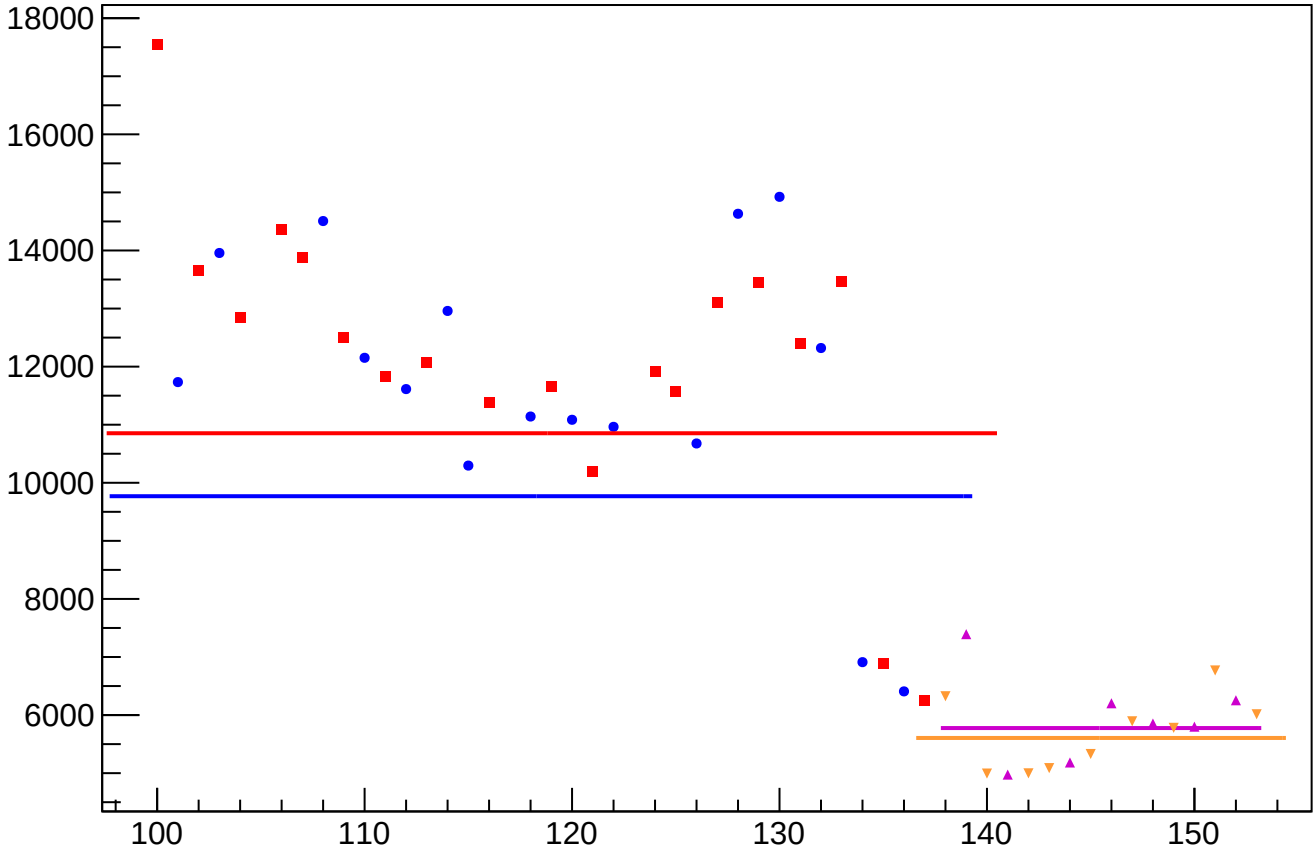
Left In: 0.581+/-2.354 χ^2/NDF:7.1/6

+ sign 7.739+/-1.864 χ^2/NDF: 42.5/24

All: 5.281+/-1.377 χ^2/NDF: 70.2/50

- sign 2.334+/-2.041 χ^2/NDF: 23.9/25

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5606.109+/-1.510 χ^2/NDF:141058.1/8

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

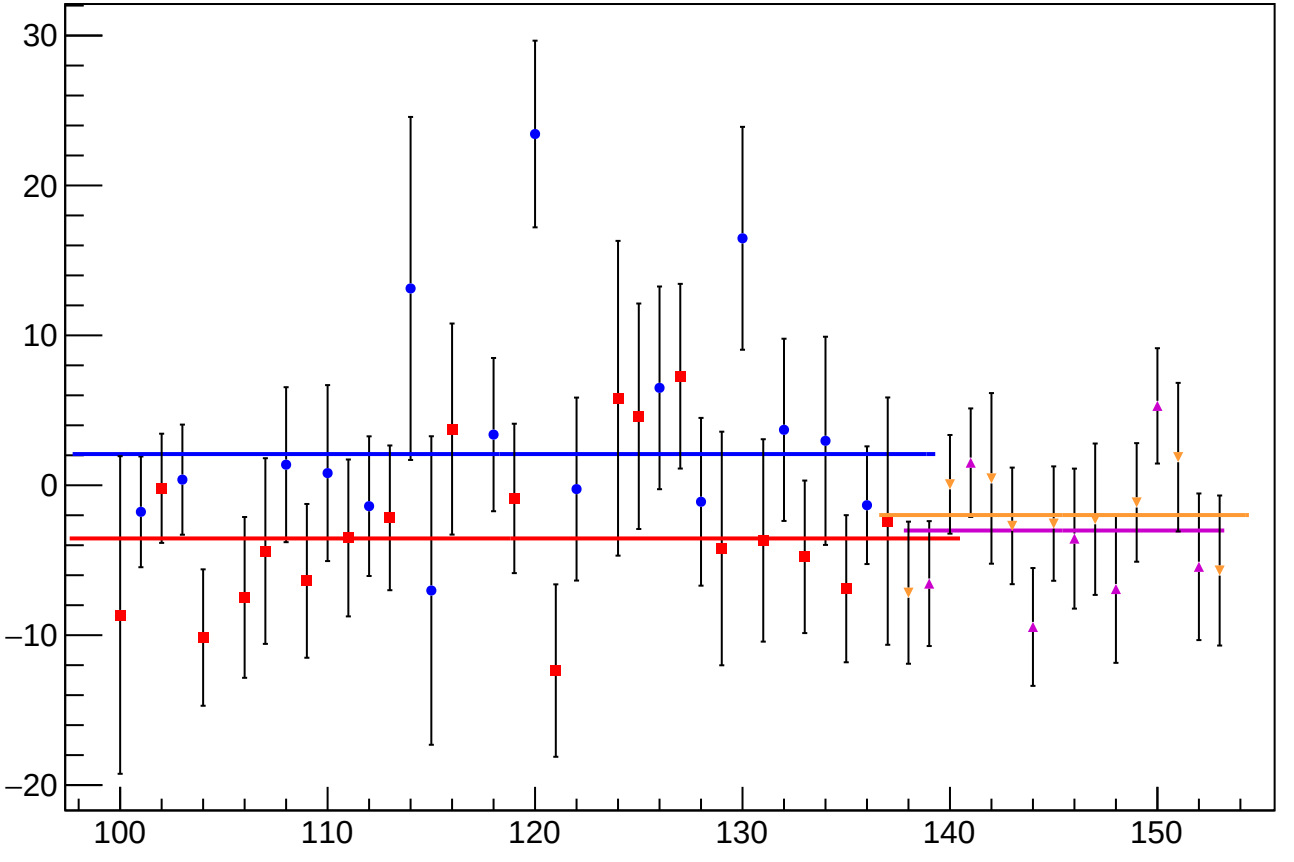
Left In: 5776.698+/-1.664 χ^2/NDF:168642.2/6

+ sign 6597.787+/-1.318 χ^2/NDF: 3164096.1/24

All: 6796.786+/-0.973 χ^2/NDF: 6563942.0/50

- sign 7035.305+/-1.443 χ^2/NDF: 3349749.9/25

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -1.987+/-1.434 χ^2/NDF:3.0/8

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

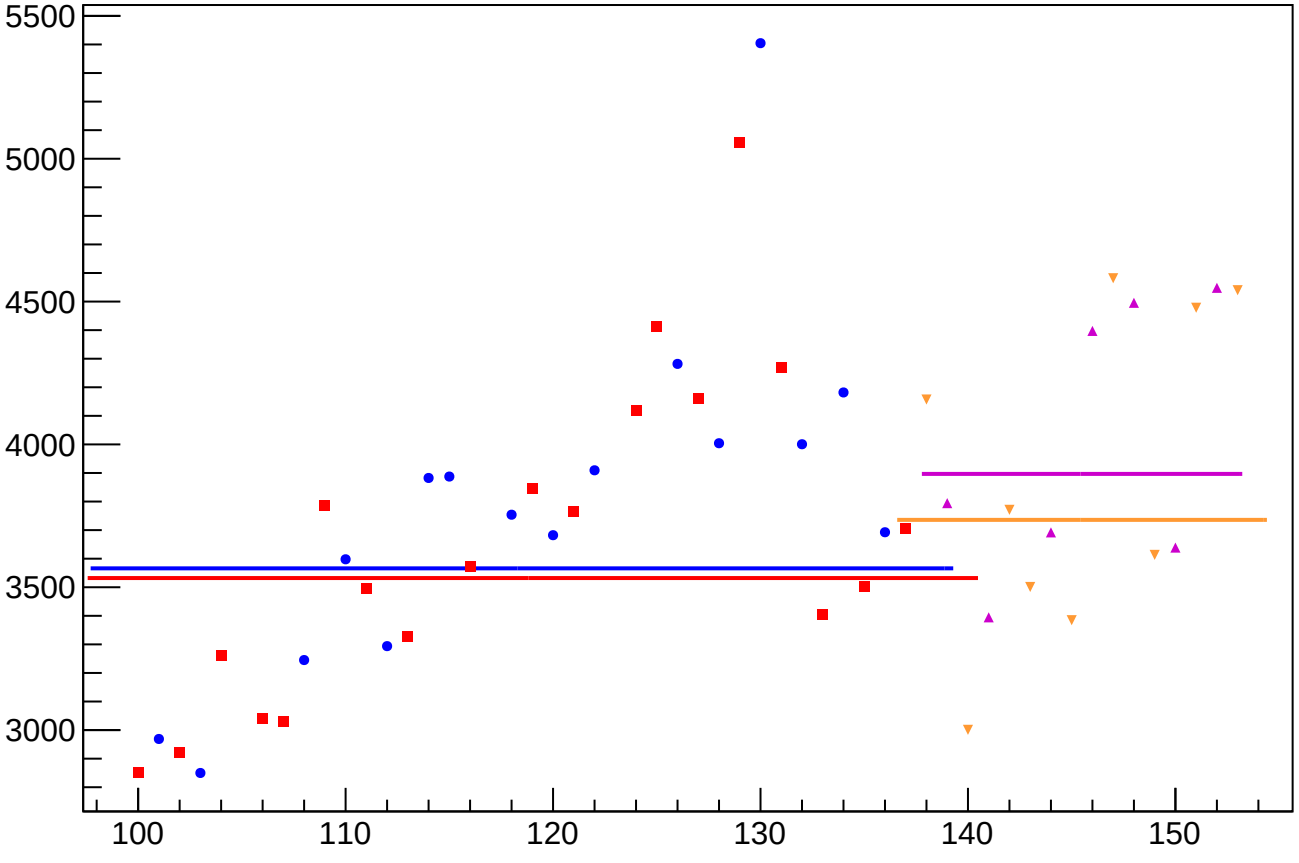
Left In: -3.018+/-1.591 χ^2/NDF:10.5/6

+ sign 0.177+/-0.981 χ^2/NDF: 28.3/24

All: -1.530+/-0.703 χ^2/NDF: 58.5/50

- sign -3.334+/-1.009 χ^2/NDF: 24.0/25

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3735.864+/-1.014 χ^2/NDF:294430.1/8

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

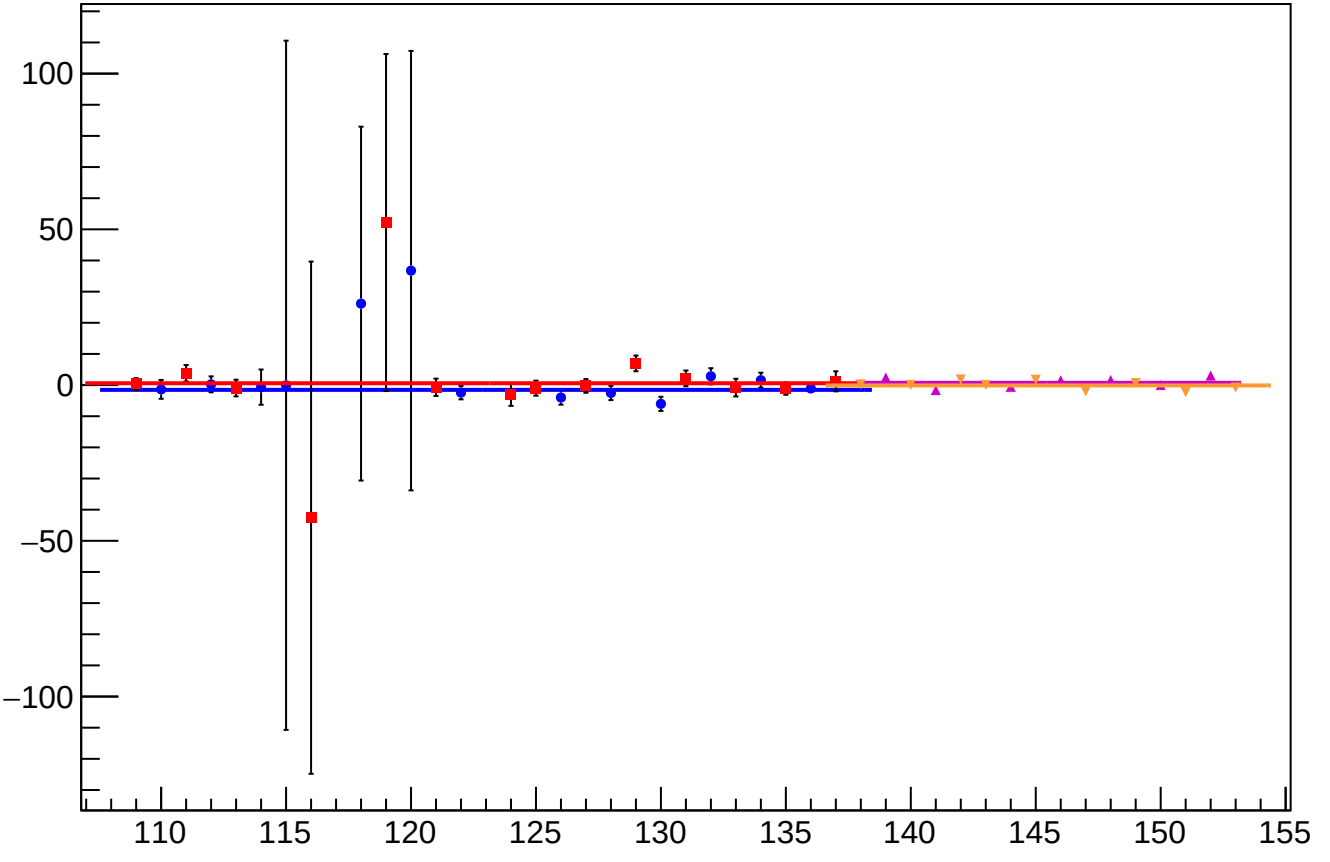
Left In: 3896.753+/-1.125 χ^2/NDF:142145.3/6

+ sign 3645.601+/-0.694 χ^2/NDF: 650436.1/24

All: 3661.707+/-0.497 χ^2/NDF: 1135200.9/50

- sign 3678.728+/-0.713 χ^2/NDF: 483656.2/25

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.111+/-0.382 χ^2/NDF:11.6/8

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

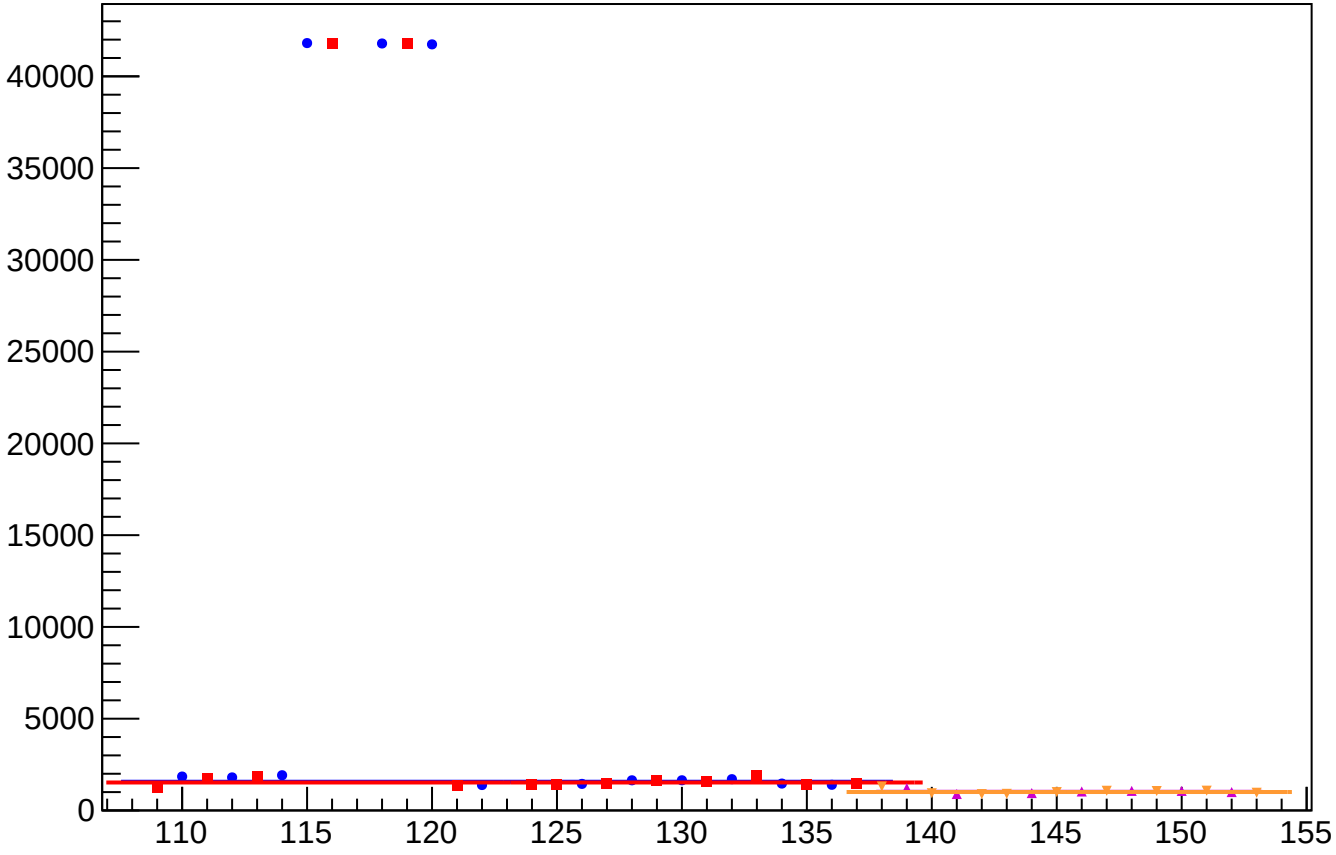
Left In: 0.727+/-0.413 χ^2/NDF:15.5/6

+ sign -0.416+/-0.339 χ^2/NDF: 25.6/21

All: 0.108+/-0.246 χ^2/NDF: 58.9/42

- sign 0.692+/-0.358 χ^2/NDF: 28.2/20

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1005.015+/-0.270 χ^2/NDF:144246.7/8

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

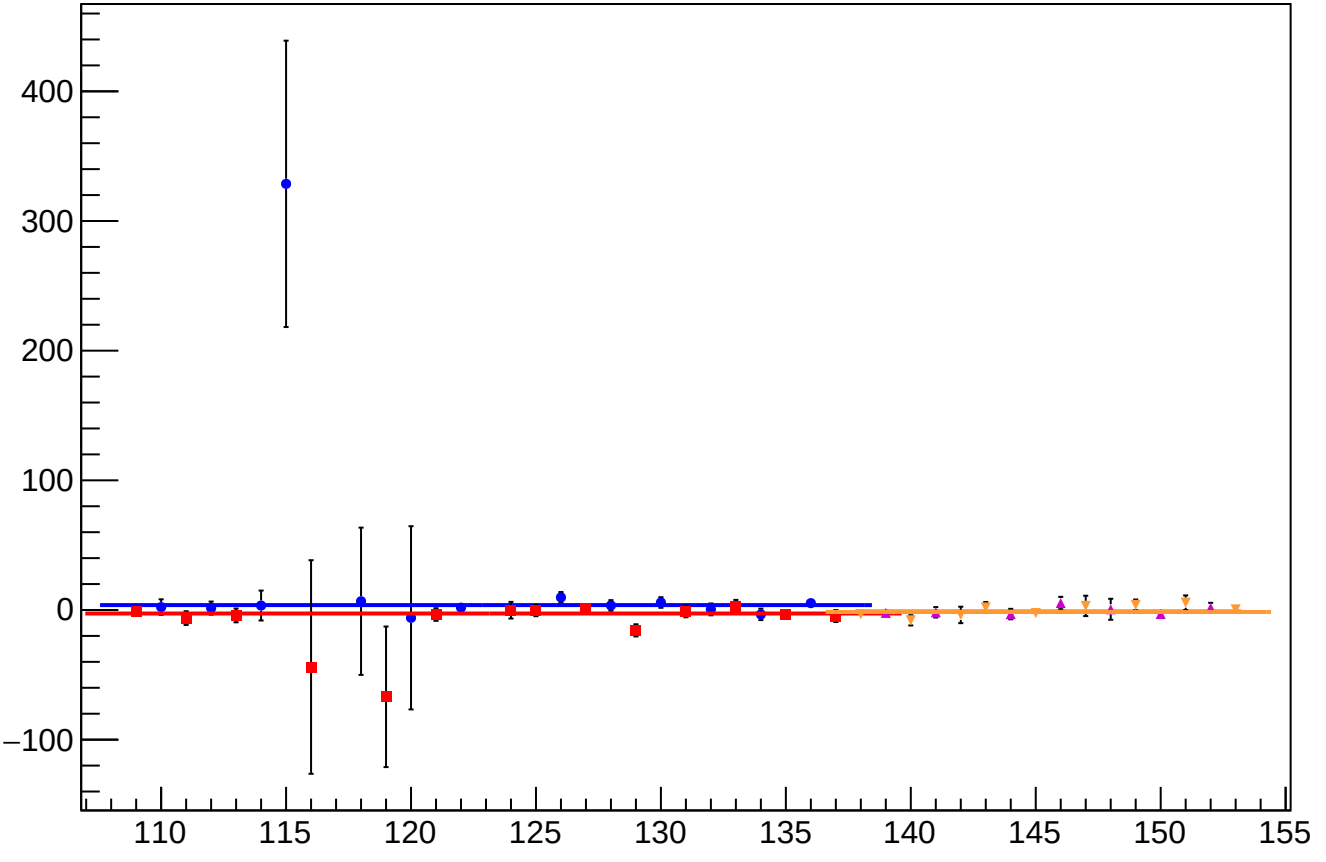
Left In: 1016.338+/-0.292 χ^2/NDF:93491.0/6

+ sign 1124.714+/-0.240 χ^2/NDF: 3077142.2/21

All: 1133.272+/-0.174 χ^2/NDF: 5664499.6/42

- sign 1142.821+/-0.253 χ^2/NDF: 2584659.9/20

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.523+/-1.249 χ^2/NDF:8.2/8

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

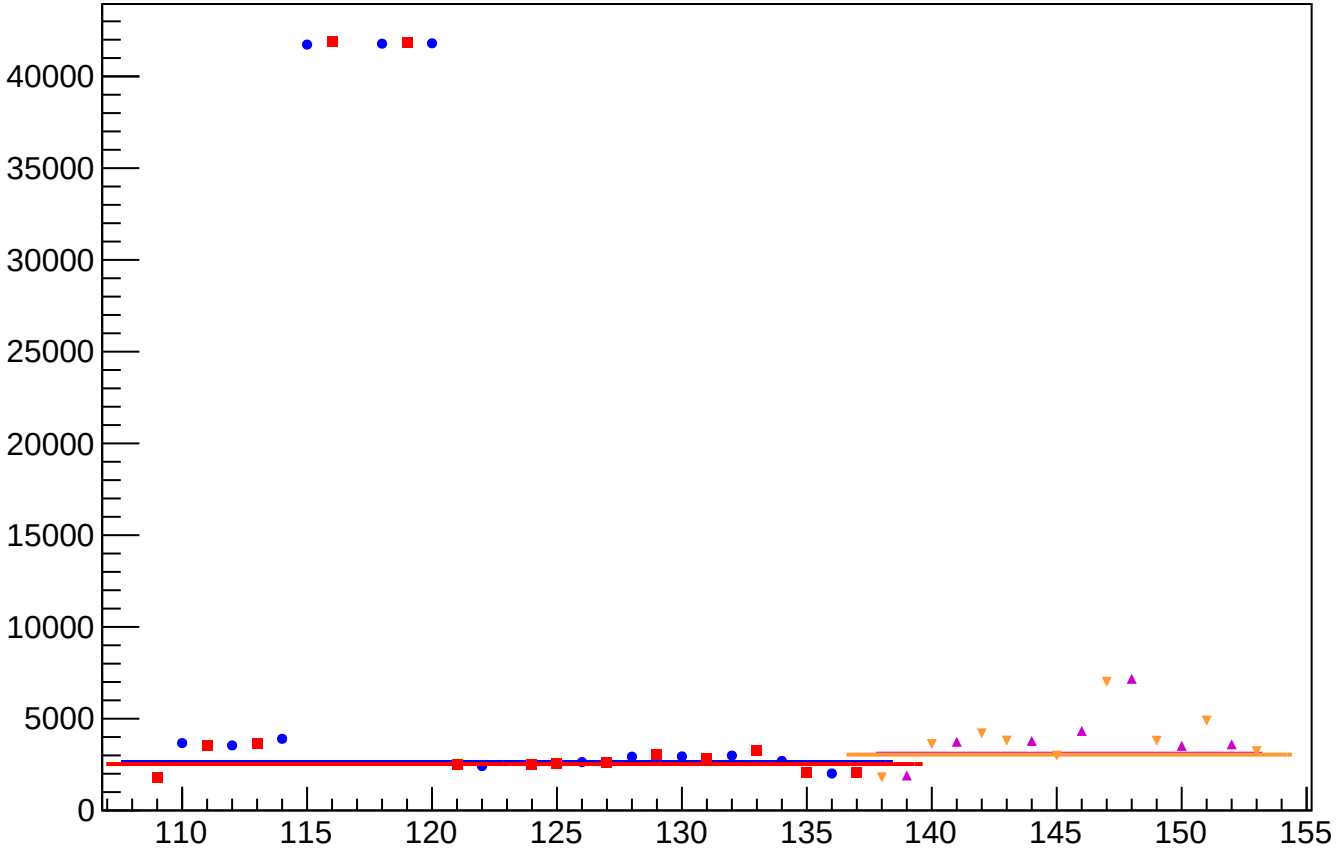
Left In: -1.238+/-1.356 χ^2/NDF:3.2/6

+ sign 1.128+/-0.883 χ^2/NDF: 32.4/21

All: -0.428+/-0.631 χ^2/NDF: 56.2/42

- sign -2.057+/-0.903 χ^2/NDF: 17.5/20

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3042.107+/-0.883 χ^2/NDF:1669862.0/8

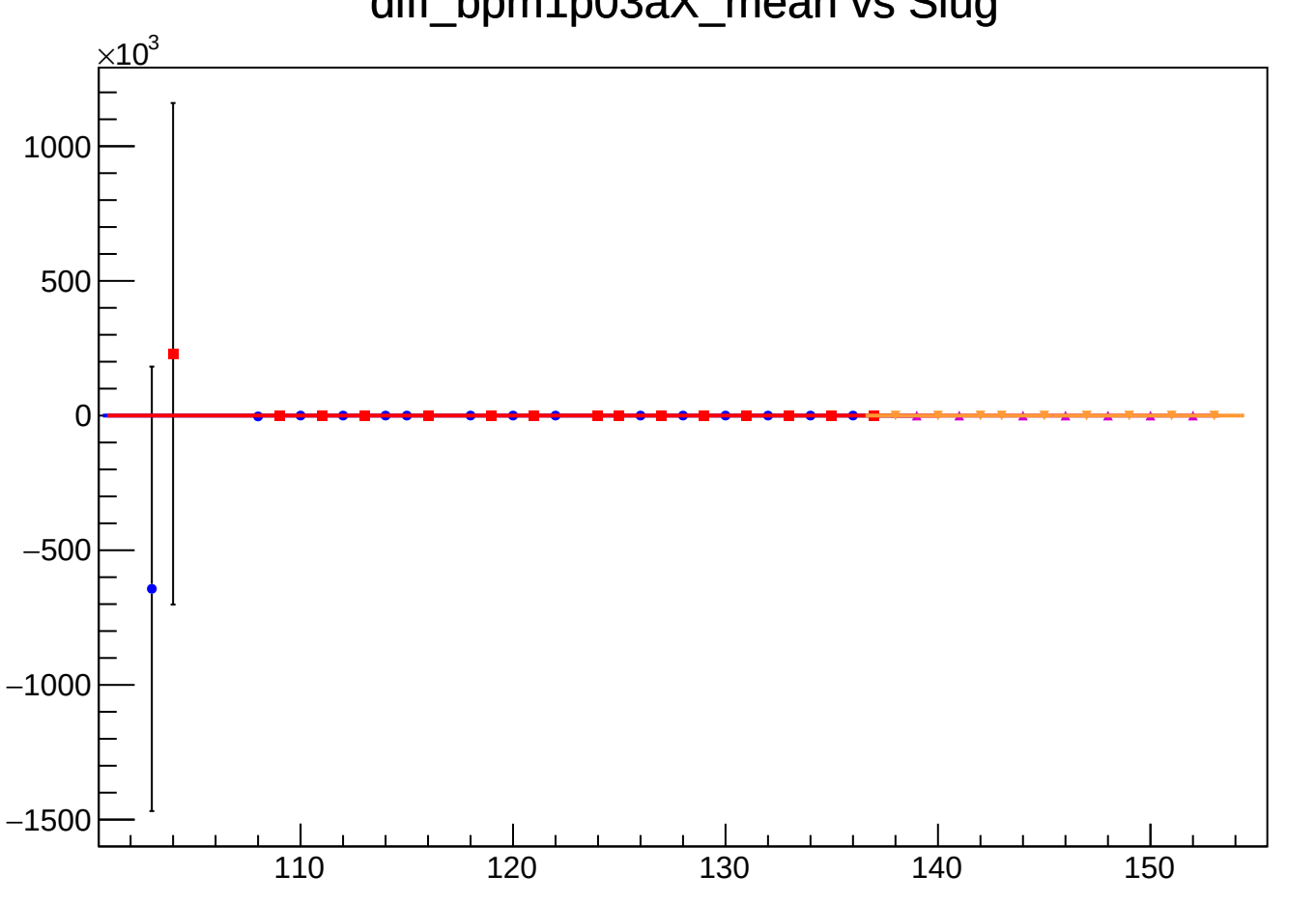
Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3091.595+/-0.959 χ^2/NDF:1445021.5/6

+ sign 2840.913+/-0.624 χ^2/NDF: 3946987.2/21

All: 2810.428+/-0.446 χ^2/NDF: 7538262.9/42

- sign 2778.518+/-0.639 χ^2/NDF: 3586395.9/20



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.743+/-0.590 χ^2/NDF:19.8/8

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

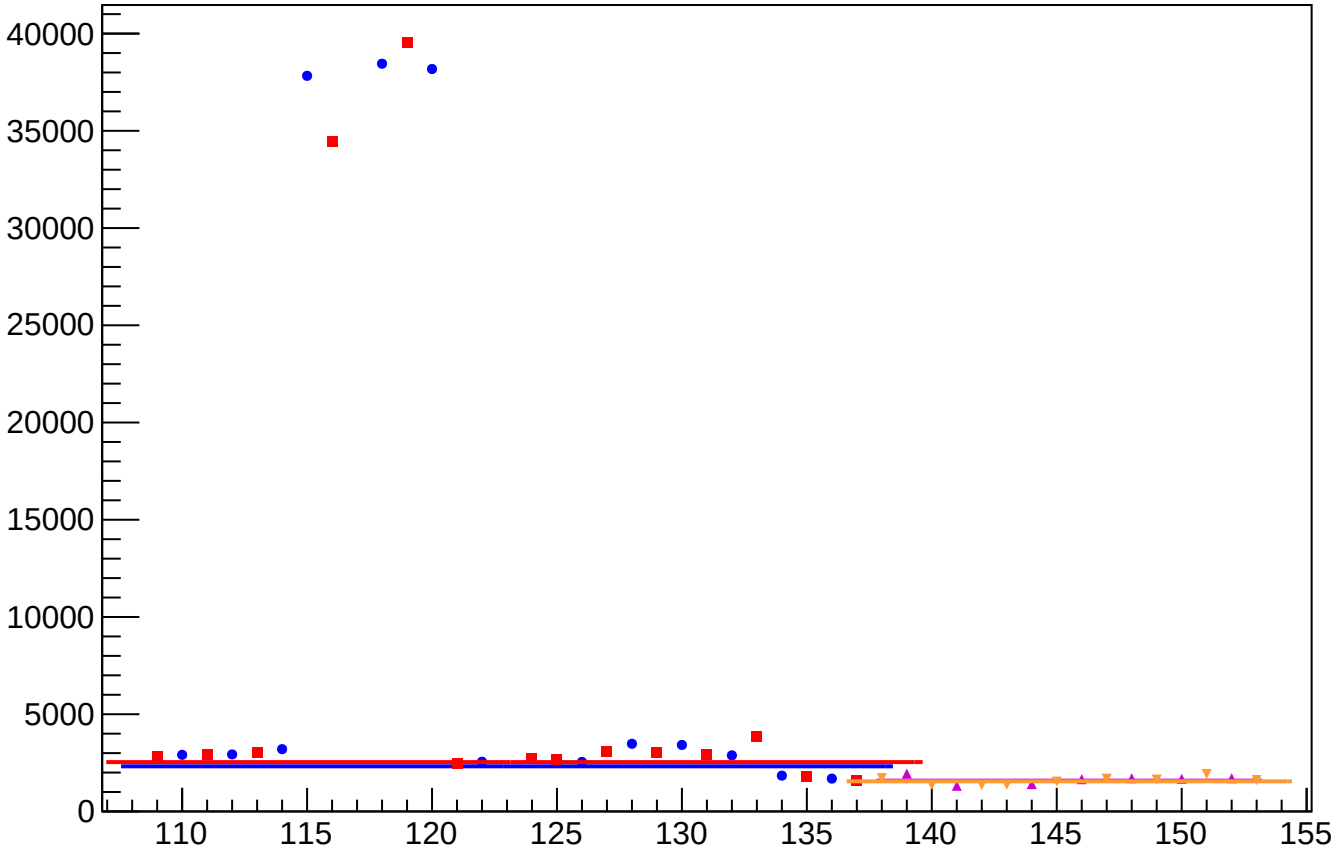
Left In: -0.091+/-0.646 χ^2/NDF:10.6/6

+ sign -1.629+/-0.523 χ^2/NDF: 38.7/23

All: -1.188+/-0.385 χ^2/NDF: 68.8/45

- sign -0.663+/-0.570 χ^2/NDF: 28.6/21

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1548.882+/-0.417 χ^2/NDF:172870.6/8

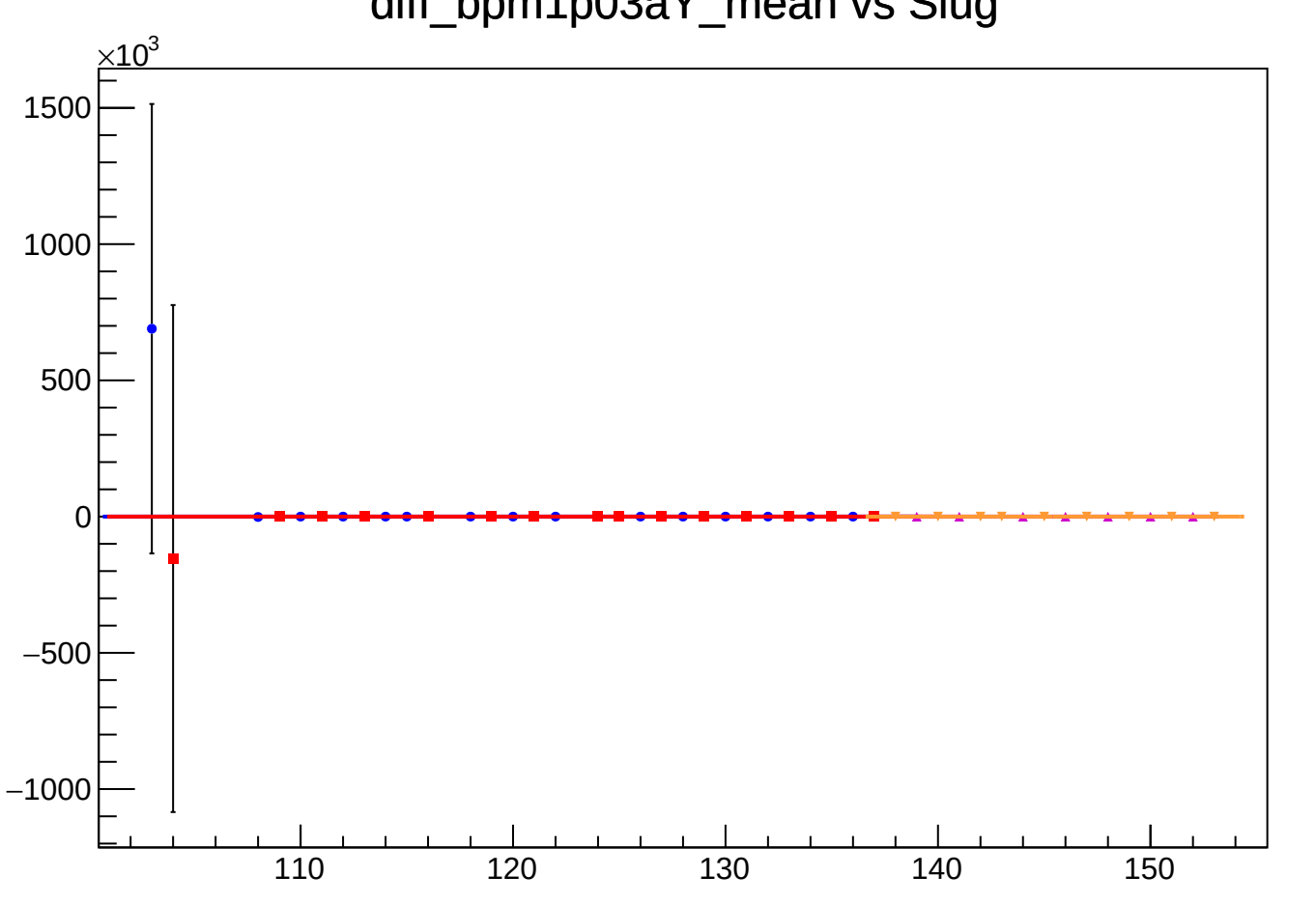
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1583.771+/-0.457 χ^2/NDF:183139.2/6

+ sign 1715.304+/-0.370 χ^2/NDF: 3371783.2/21

All: 1751.765+/-0.272 χ^2/NDF: 6579991.2/42

- sign 1795.161+/-0.403 χ^2/NDF: 3186886.9/20



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.482+/-0.833 χ^2/NDF:10.6/8

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

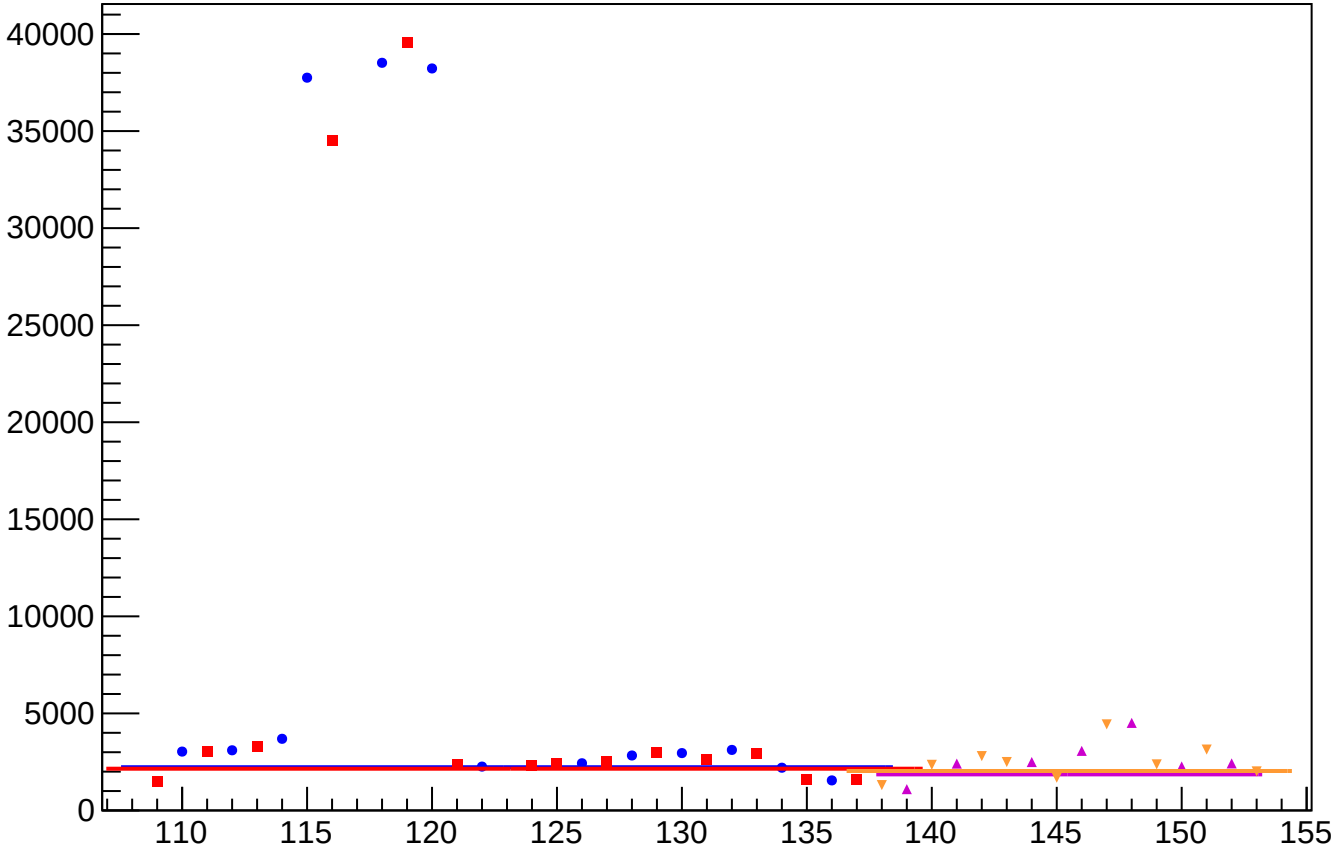
Left In: 0.410+/-0.836 χ^2/NDF:3.0/6

+ sign 0.339+/-0.659 χ^2/NDF: 18.2/23

All: -0.074+/-0.464 χ^2/NDF: 40.2/45

- sign -0.482+/-0.655 χ^2/NDF: 21.3/21

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2033.018+/-0.589 χ^2/NDF:1308212.8/8

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

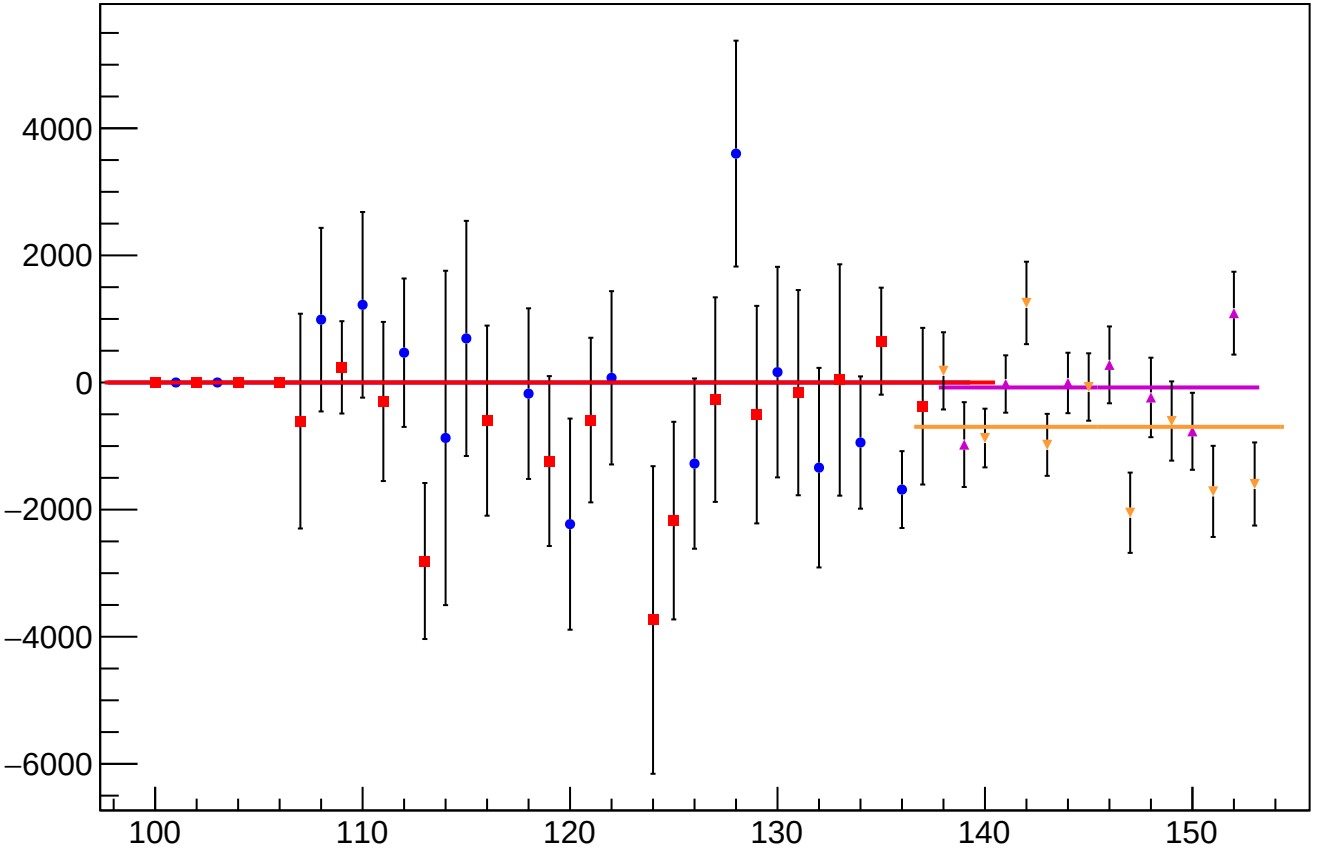
Left In: 1858.410+/-0.591 χ^2/NDF:1966790.9/6

+ sign 2105.687+/-0.466 χ^2/NDF: 3871091.1/21

All: 2038.230+/-0.328 χ^2/NDF: 8205587.7/42

- sign 1971.667+/-0.463 χ^2/NDF: 4292849.8/20

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -697.340+/-192.783 χ^2/NDF:21.5/8

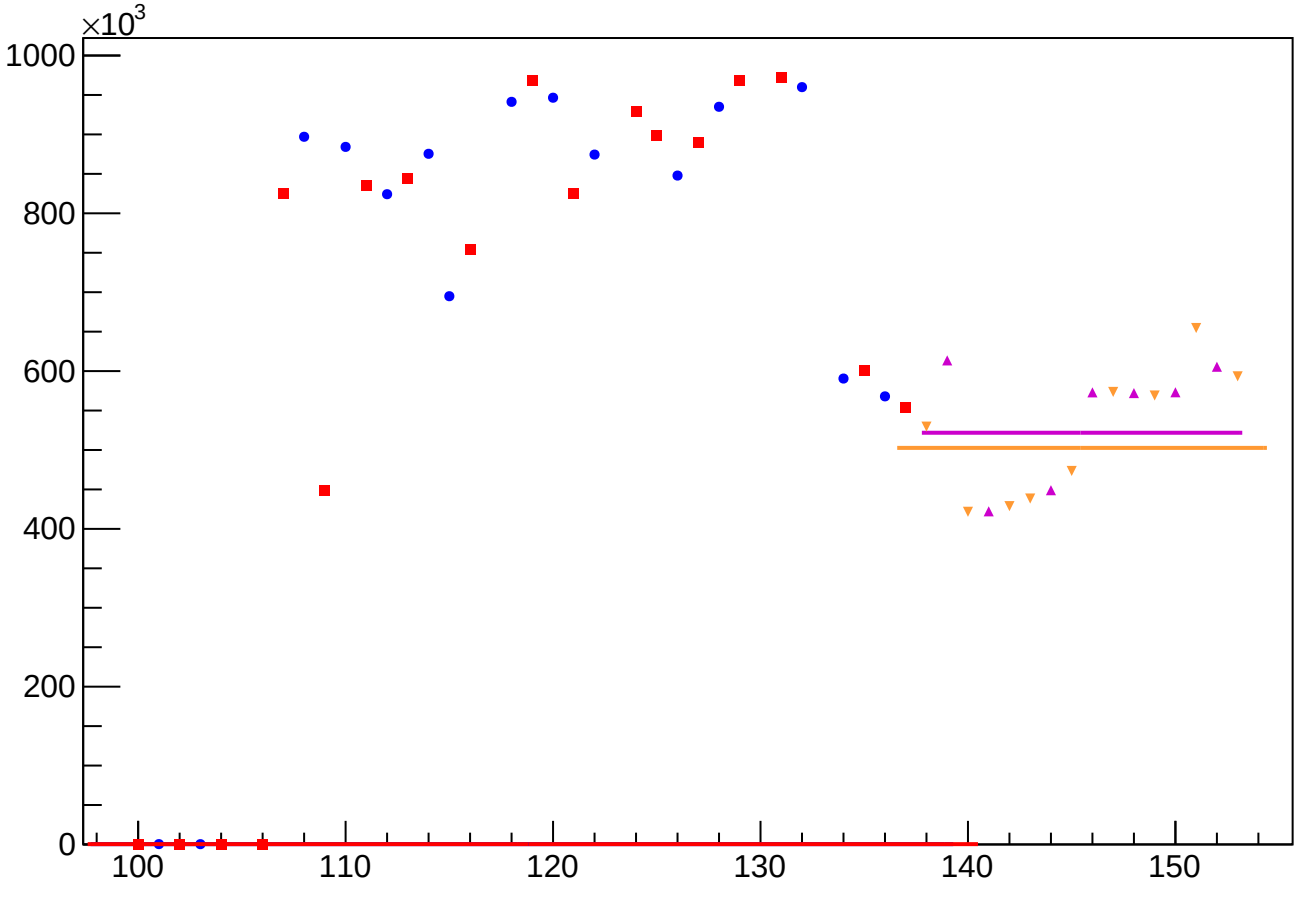
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -77.796+/-213.443 χ^2/NDF:6.8/6

+ sign 0.253+/-0.356 χ^2/NDF: 52.4/24

All: 0.168+/-0.241 χ^2/NDF: 74.8/50

- sign 0.096+/-0.328 χ^2/NDF: 22.3/25



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 502670.391+/-136.318 χ^2/NDF:308374.3/8

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

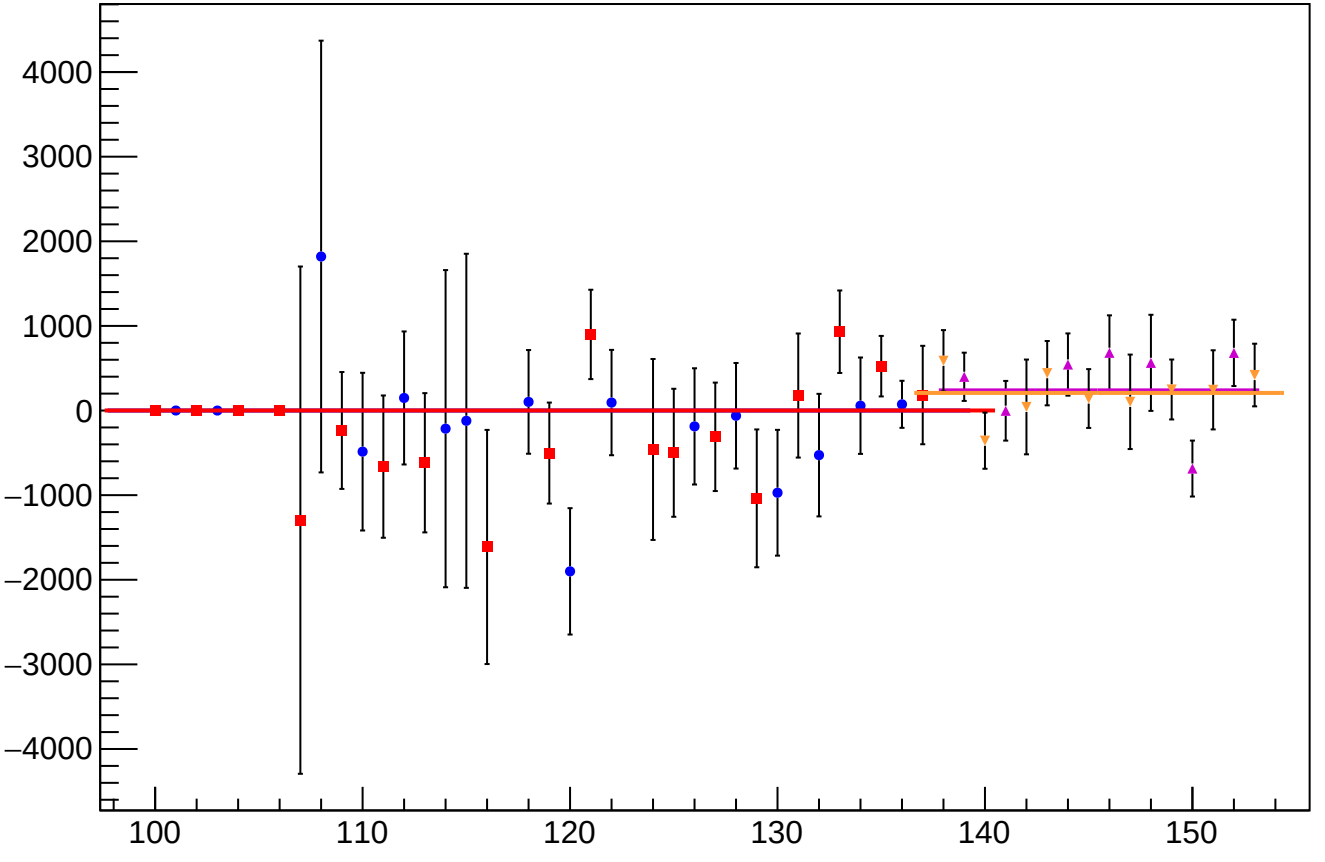
Left In: 521853.385+/-150.927 χ^2/NDF:256737.2/6

+ sign 400.590+/-0.251 χ^2/NDF: 22376068.9/23

All: 397.281+/-0.170 χ^2/NDF: 42218996.3/48

- sign 394.470+/-0.232 χ^2/NDF: 19842607.1/24

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 207.999+/-131.137 χ^2/NDF:4.9/8

Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

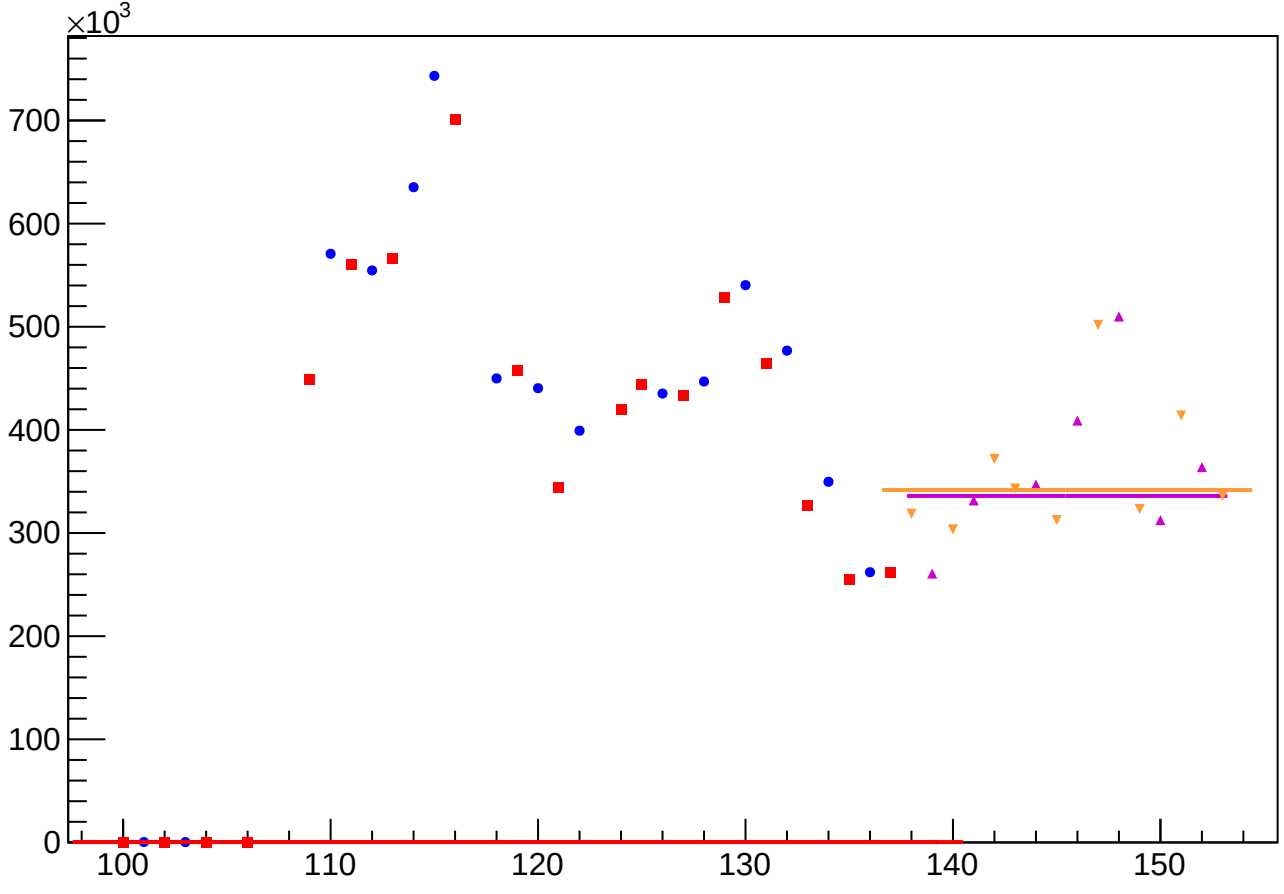
Left In: 238.137+/-139.184 χ^2/NDF:11.9/6

+ sign -0.019+/-0.347 χ^2/NDF: 17.9/24

All: 0.312+/-0.237 χ^2/NDF: 49.4/50

- sign 0.600+/-0.324 χ^2/NDF: 29.8/25

diff_cav4bY_rms vs Slug



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341680.572+/-92.728 χ^2/NDF:272697.2/8

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

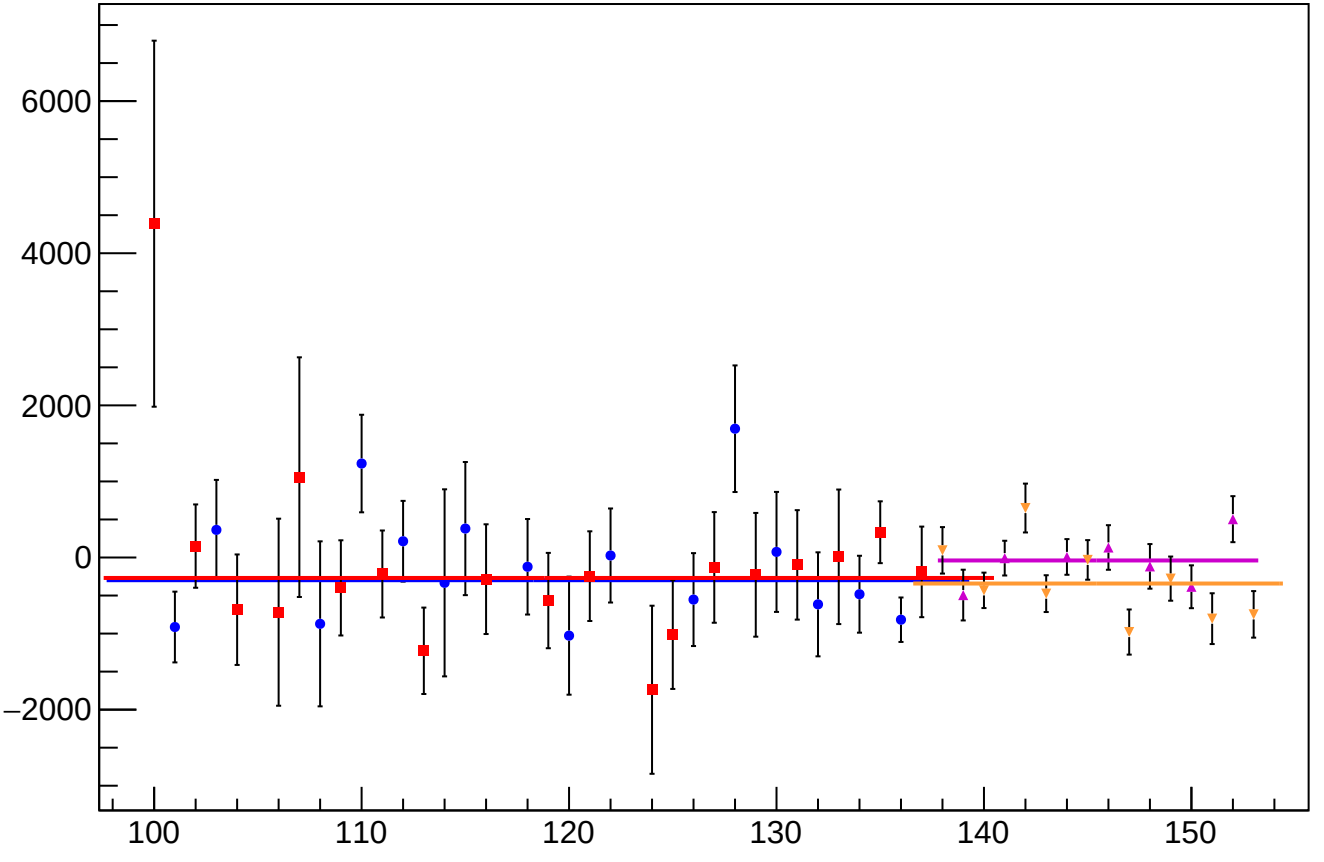
Left In: 335952.559+/-98.433 χ^2/NDF:403921.0/6

+ sign 392.667+/-0.245 χ^2/NDF: 24951359.1/23

All: 391.134+/-0.167 χ^2/NDF: 48051422.3/48

- sign 389.800+/-0.229 χ^2/NDF: 23099990.3/24

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -342.089+/-93.825 χ^2/NDF:21.8/8

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

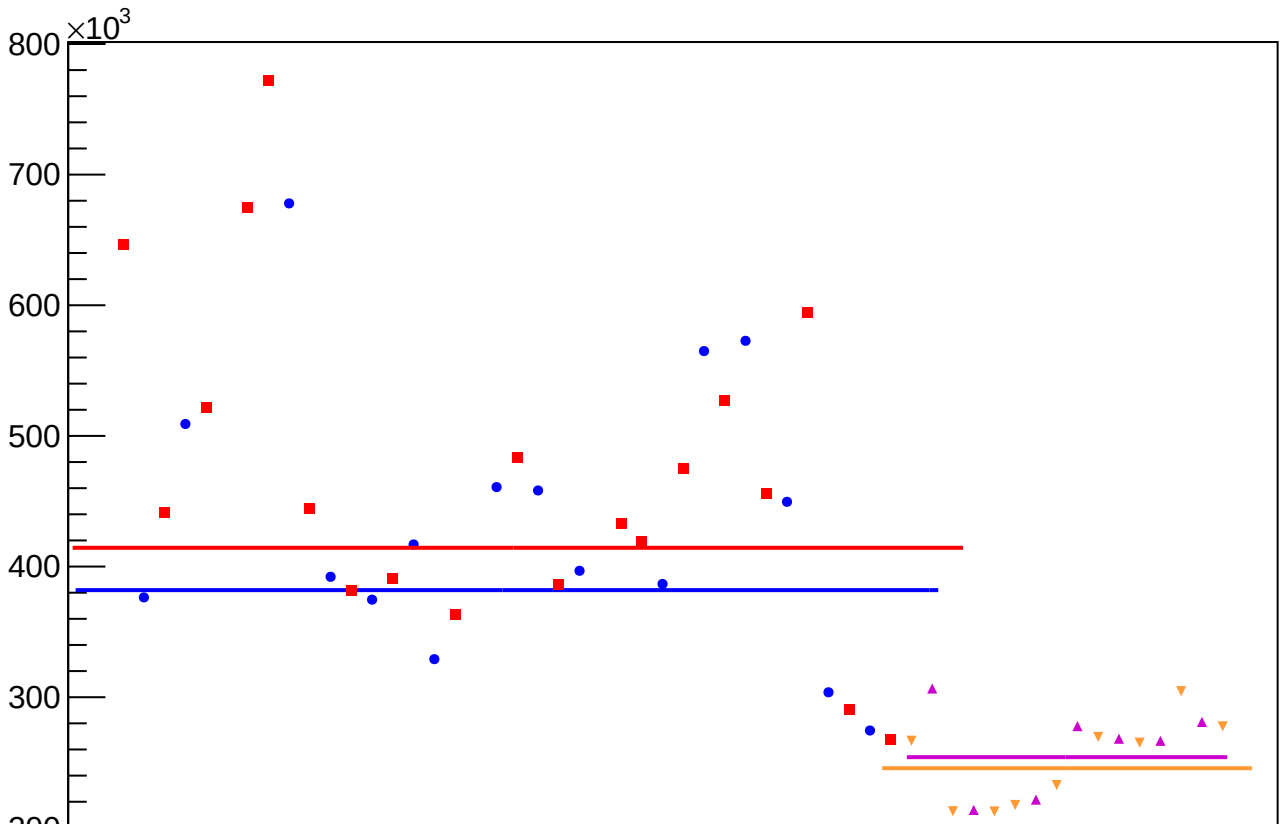
Left In: -38.857+/-103.604 χ^2/NDF:7.1/6

+ sign -329.448+/-79.146 χ^2/NDF: 43.0/24

All: -228.824+/-58.362 χ^2/NDF: 69.0/50

- sign -108.900+/-86.403 χ^2/NDF: 22.4/25

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 245674.376+/-66.345 χ^2/NDF:209117.5/8

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

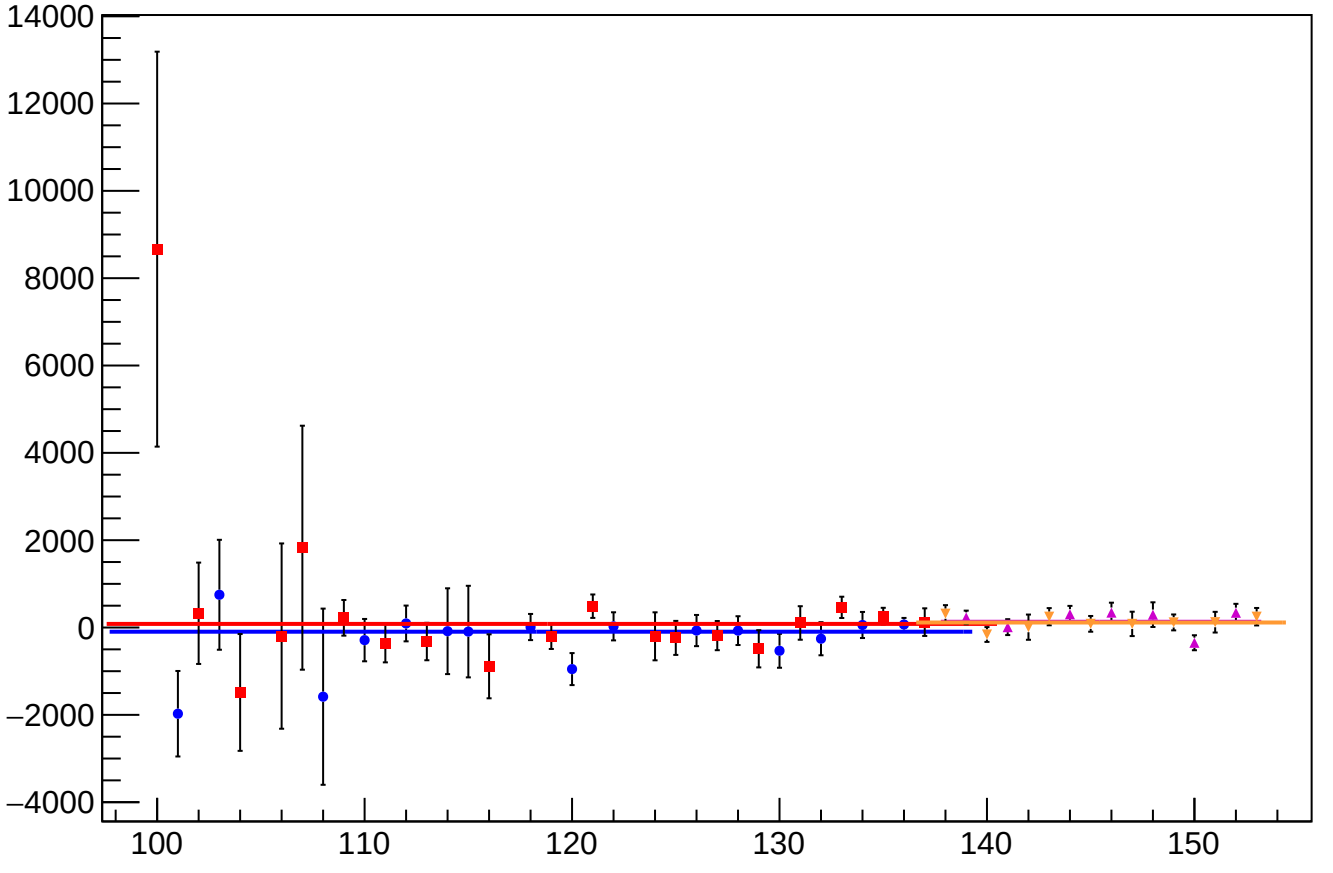
Left In: 254119.511+/-73.259 χ^2/NDF:188323.0/6

+ sign 284974.365+/-55.967 χ^2/NDF: 2262397.6/24

All: 293152.405+/-41.271 χ^2/NDF: 4714195.

- sign 302899.498+/-61.101 χ^2/NDF: 2404998.0/25

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 115.042+/-68.172 χ^2/NDF:4.8/8

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

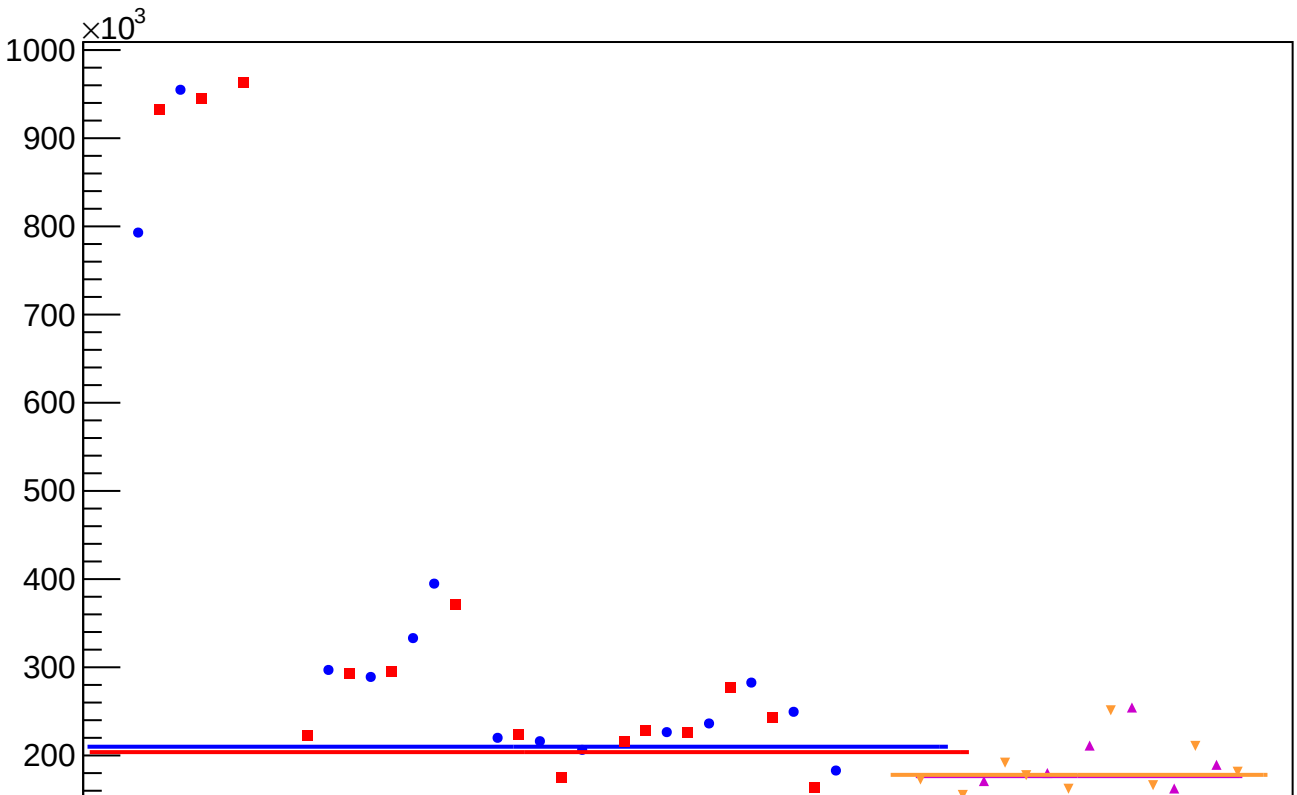
Left In: 131.655+/-72.772 χ^2/NDF:11.7/6

+ sign 36.246+/-53.953 χ^2/NDF: 22.0/24

All: 72.591+/-38.822 χ^2/NDF: 54.0/50

- sign 111.609+/-55.902 χ^2/NDF: 31.0/25

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 178013.409+/-48.205 χ^2/NDF:242316.8/8

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

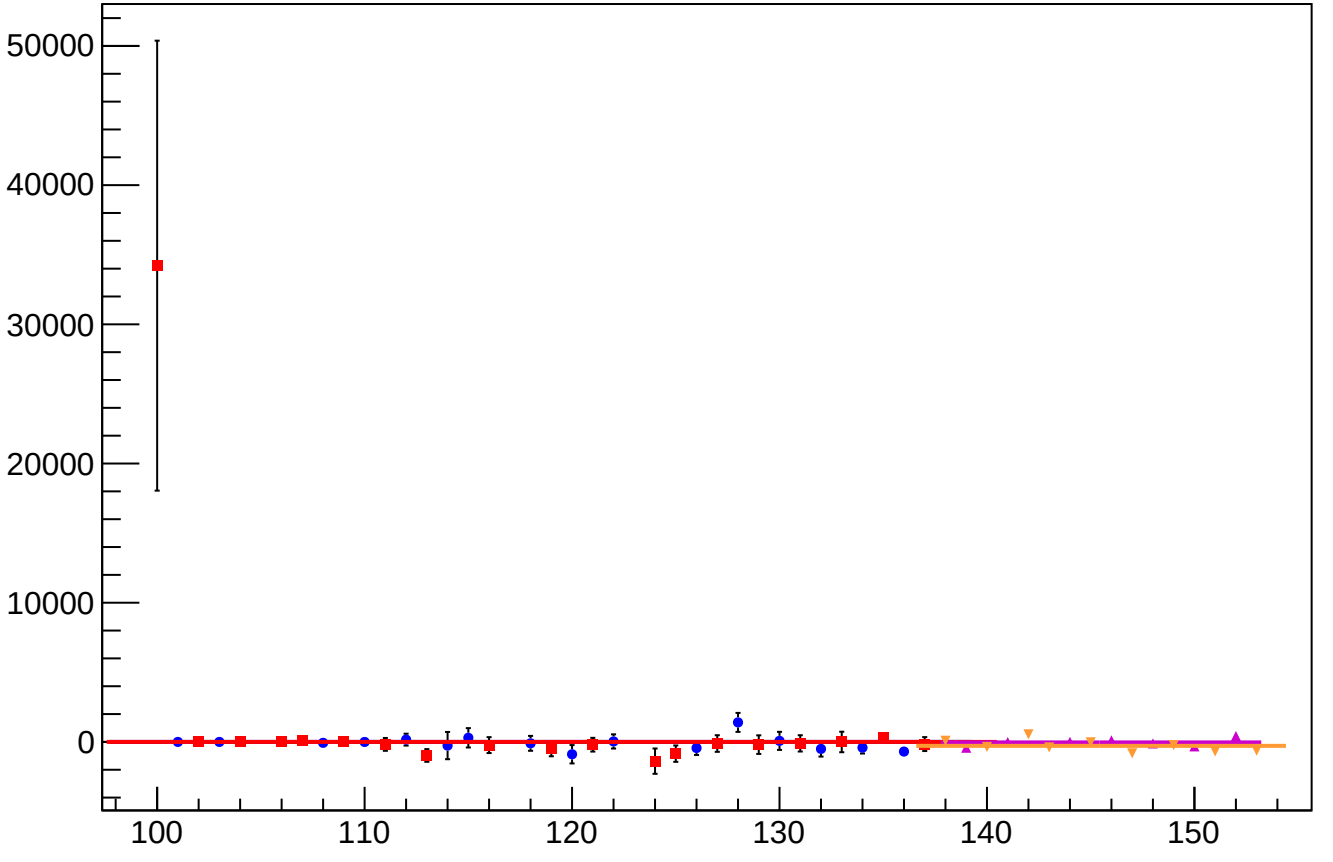
Left In: 176554.522+/-51.458 χ^2/NDF:319051.6/6

+ sign 189912.213+/-38.176 χ^2/NDF: 2365642.7/23

All: 188839.454+/-27.474 χ^2/NDF: 4871330.

- sign 187686.966+/-39.569 χ^2/NDF: 2504049.8/23

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -282.742+/-78.391 χ^2/NDF:21.9/8

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

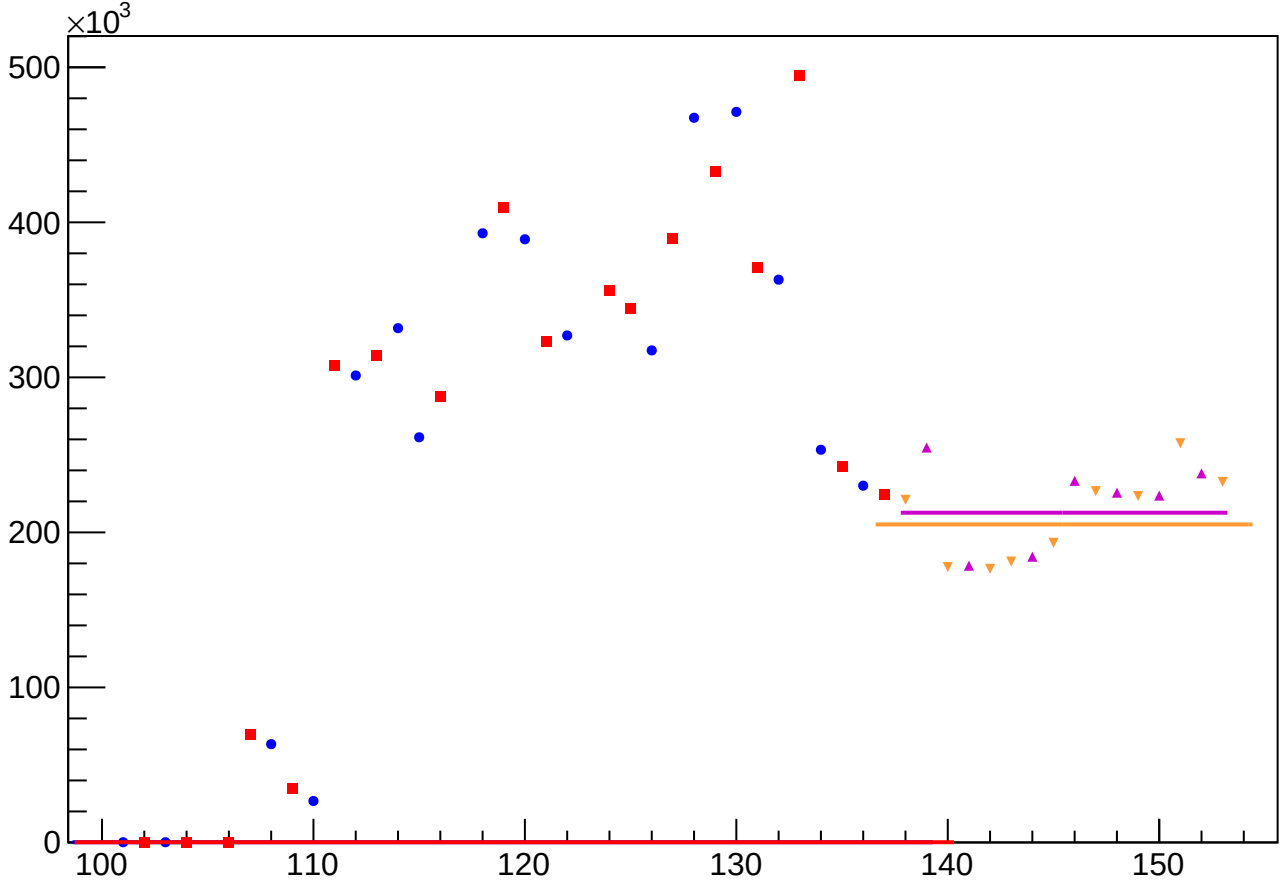
Left In: -35.426+/-86.743 χ^2/NDF:7.1/6

+ sign -0.036+/-0.172 χ^2/NDF: 53.1/24

All: -0.207+/-0.117 χ^2/NDF: 78.6/50

- sign -0.355+/-0.160 χ^2/NDF: 23.7/25

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 205124.898+/-55.431 χ^2/NDF:223198.2/8

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

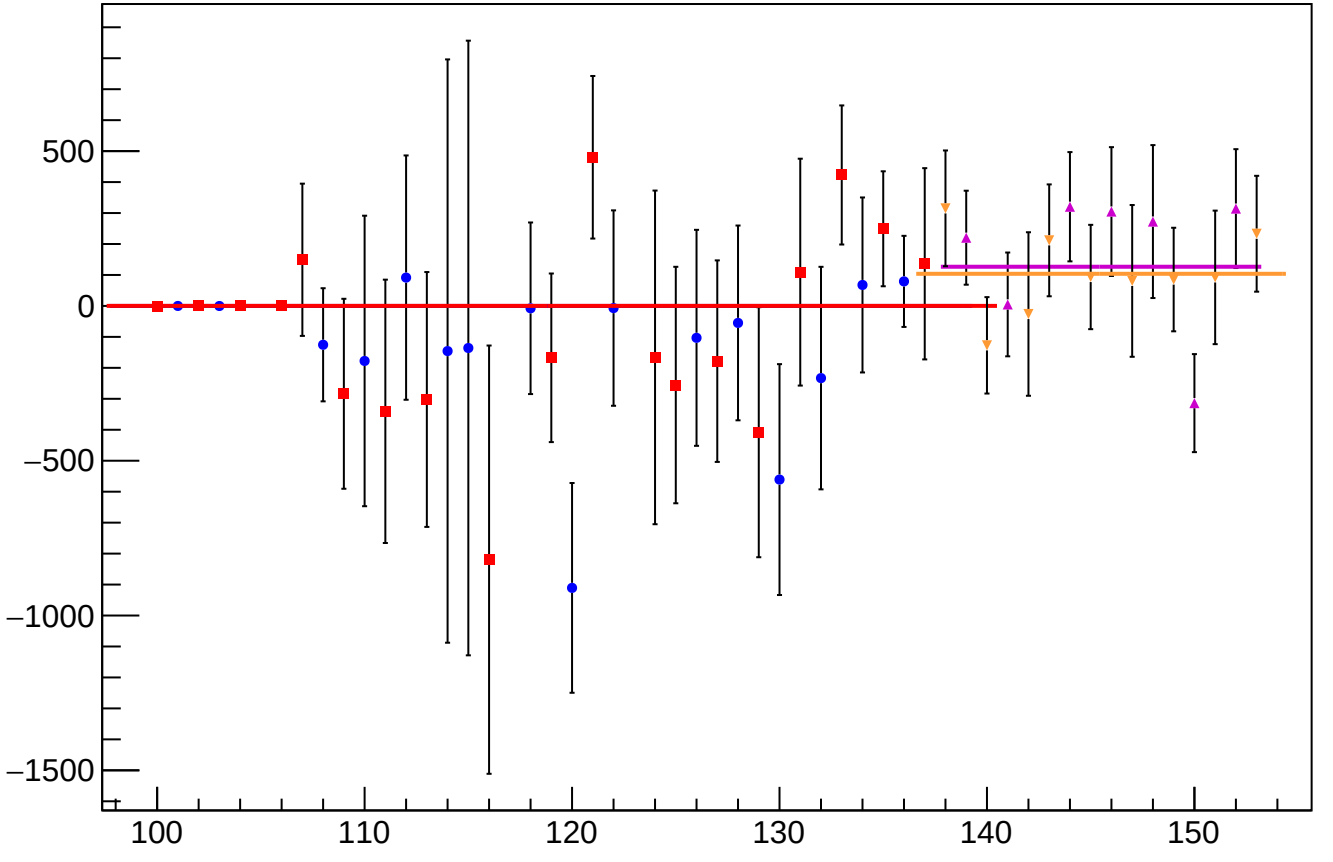
Left In: 212686.975+/-61.337 χ^2/NDF:196137.8/6

+ sign 150.082+/-0.122 χ^2/NDF: 25199345.2/24

All: 150.093+/-0.083 χ^2/NDF: 48690998.7/49

- sign 150.103+/-0.113 χ^2/NDF: 23491653.5/24

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 103.763+/-62.928 χ^2/NDF:4.6/8

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

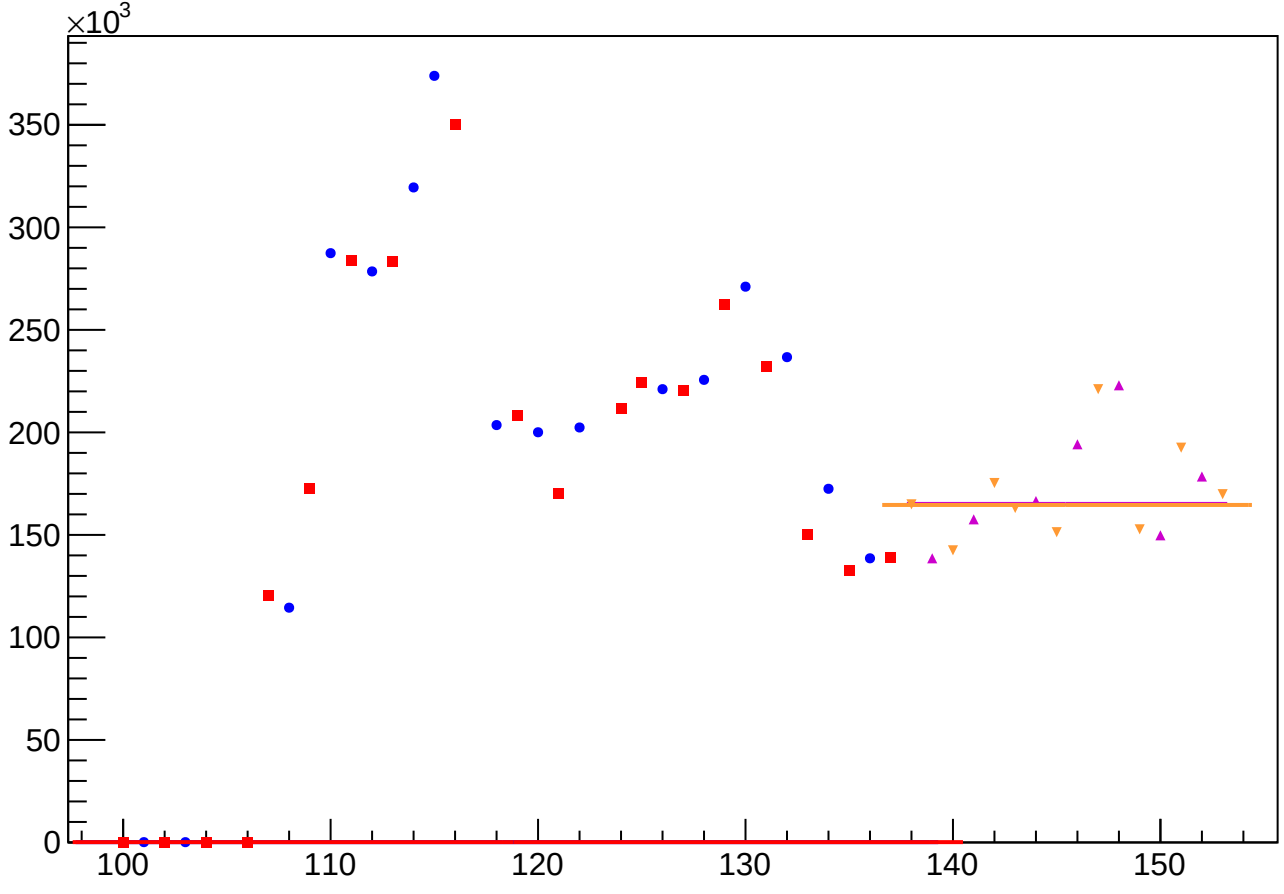
Left In: 126.550+/-67.784 χ^2/NDF:11.9/6

+ sign -0.067+/-0.177 χ^2/NDF: 18.5/24

All: 0.036+/-0.121 χ^2/NDF: 49.8/50

- sign 0.127+/-0.166 χ^2/NDF: 30.6/25

diff_cav4dY_rms vs Slug



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 164609.465+/-44.497 χ^2/NDF:207648.5/8

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

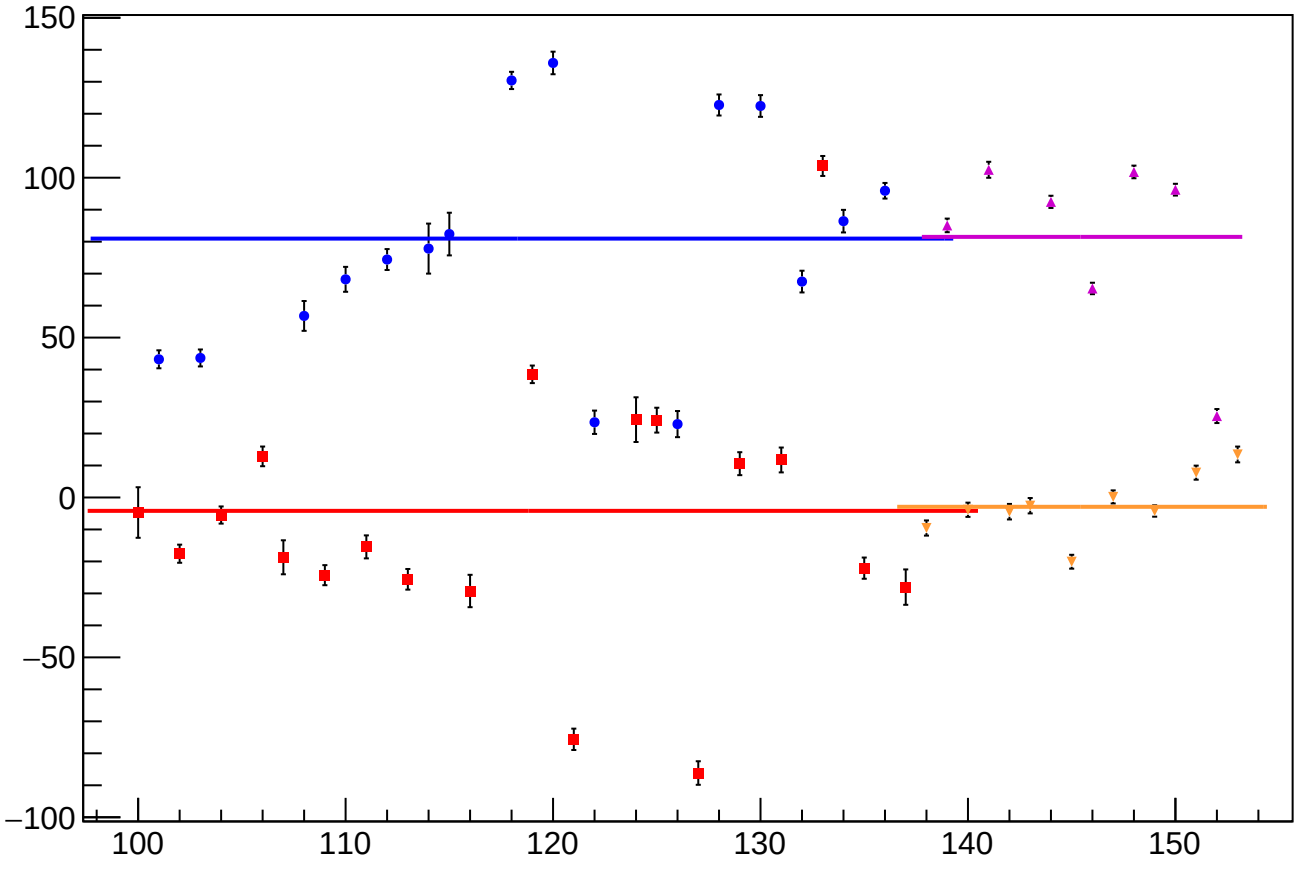
Left In: 165108.705+/-47.930 χ^2/NDF:242478.6/6

+ sign 154.765+/-0.125 χ^2/NDF: 25772359.6/24

All: 156.033+/-0.086 χ^2/NDF: 49189843.1/50

- sign 157.153+/-0.118 χ^2/NDF: 23417290.5/25

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -2.915+/-0.734 χ^2/NDF:141.4/8

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

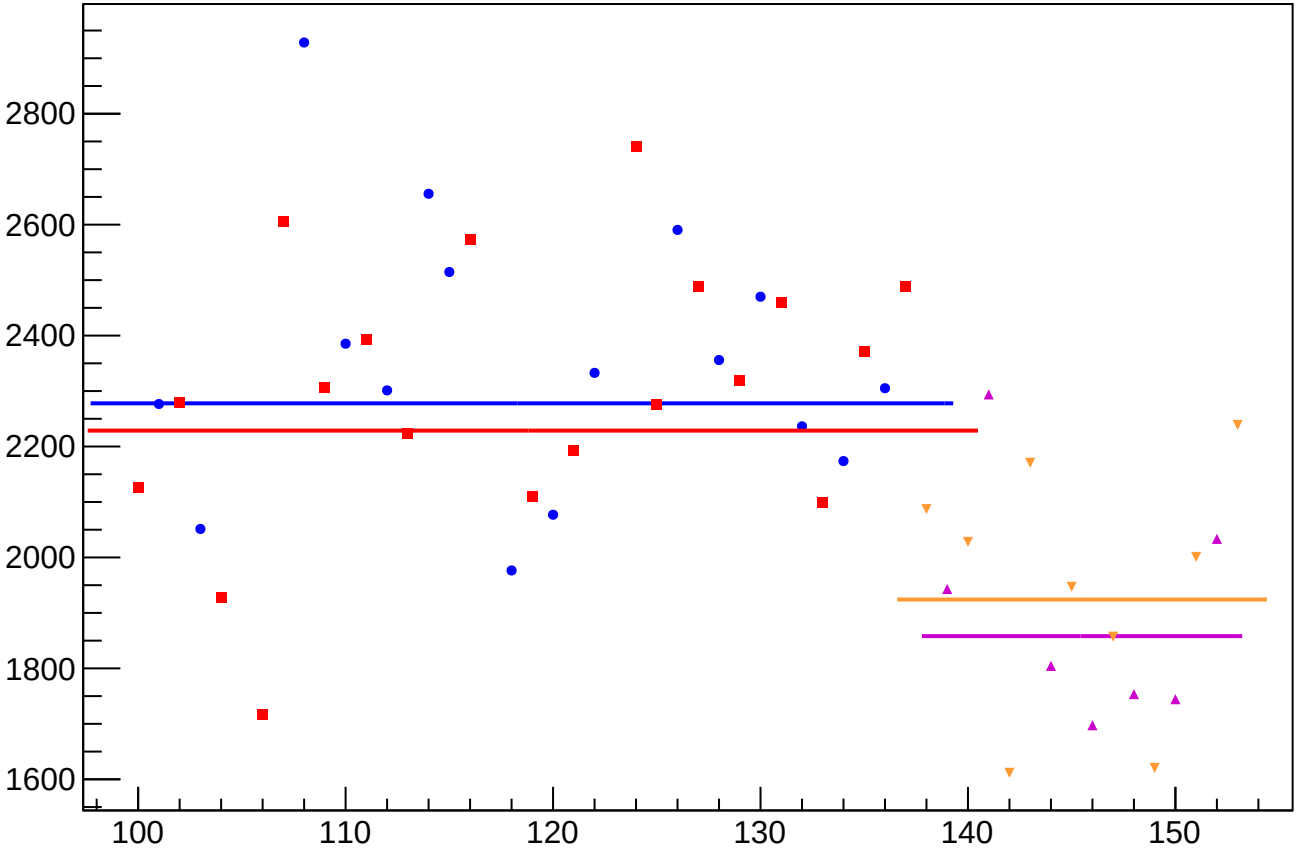
Left In: 81.492+/-0.762 χ^2/NDF:1009.1/6

+ sign 32.813+/-0.556 χ^2/NDF: 7524.7/24

All: 37.291+/-0.394 χ^2/NDF: 17242.4/50

- sign 41.808+/-0.558 χ^2/NDF: 9587.3/25

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1924.146+/-0.519 χ^2/NDF:163440.0/8

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

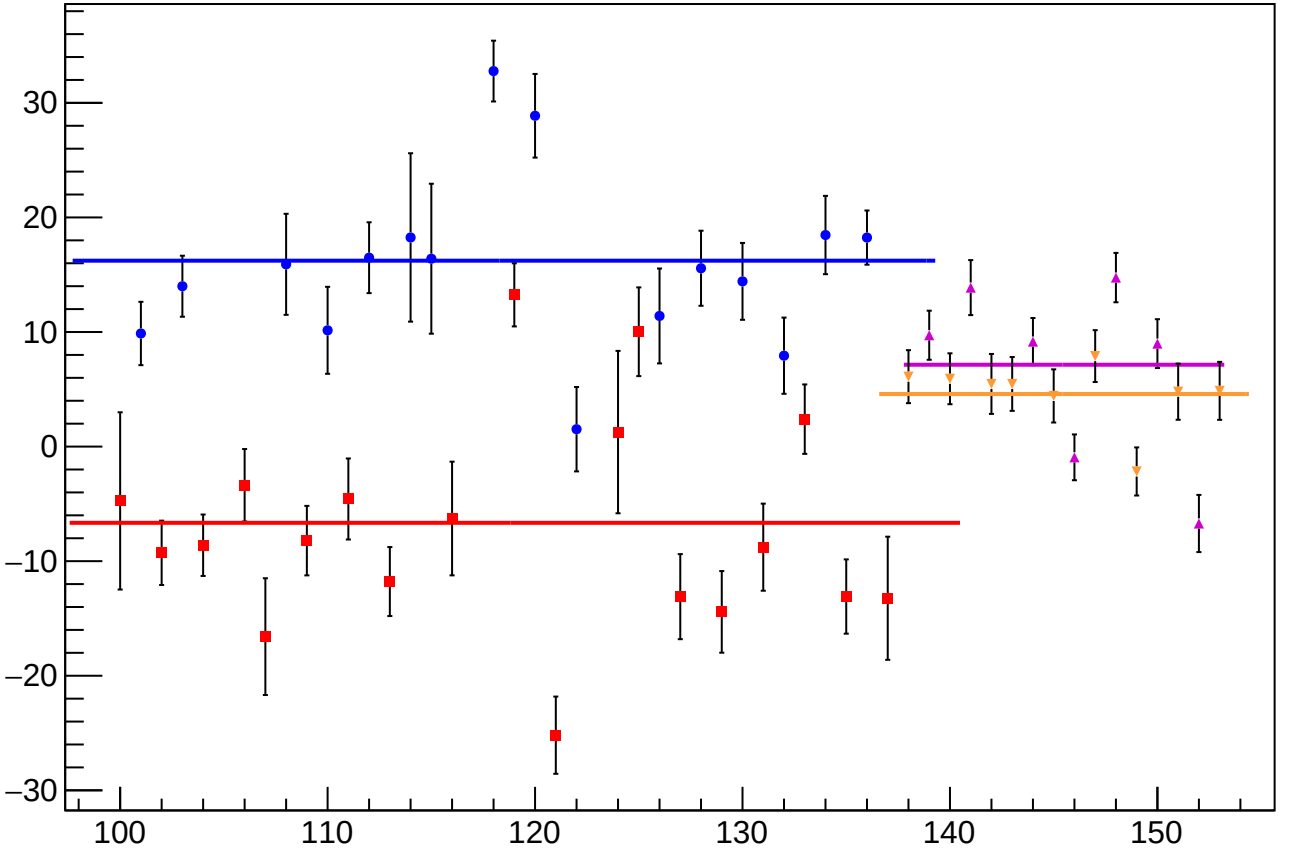
Left In: 1858.154+/-0.539 χ^2/NDF:107557.7/6

+ sign 2074.830+/-0.393 χ^2/NDF: 477339.2/24

All: 2052.405+/-0.278 χ^2/NDF: 961736.9/50

- sign 2029.784+/-0.395 χ^2/NDF: 477856.0/25

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.588+/-0.779 χ^2/NDF:13.6/8

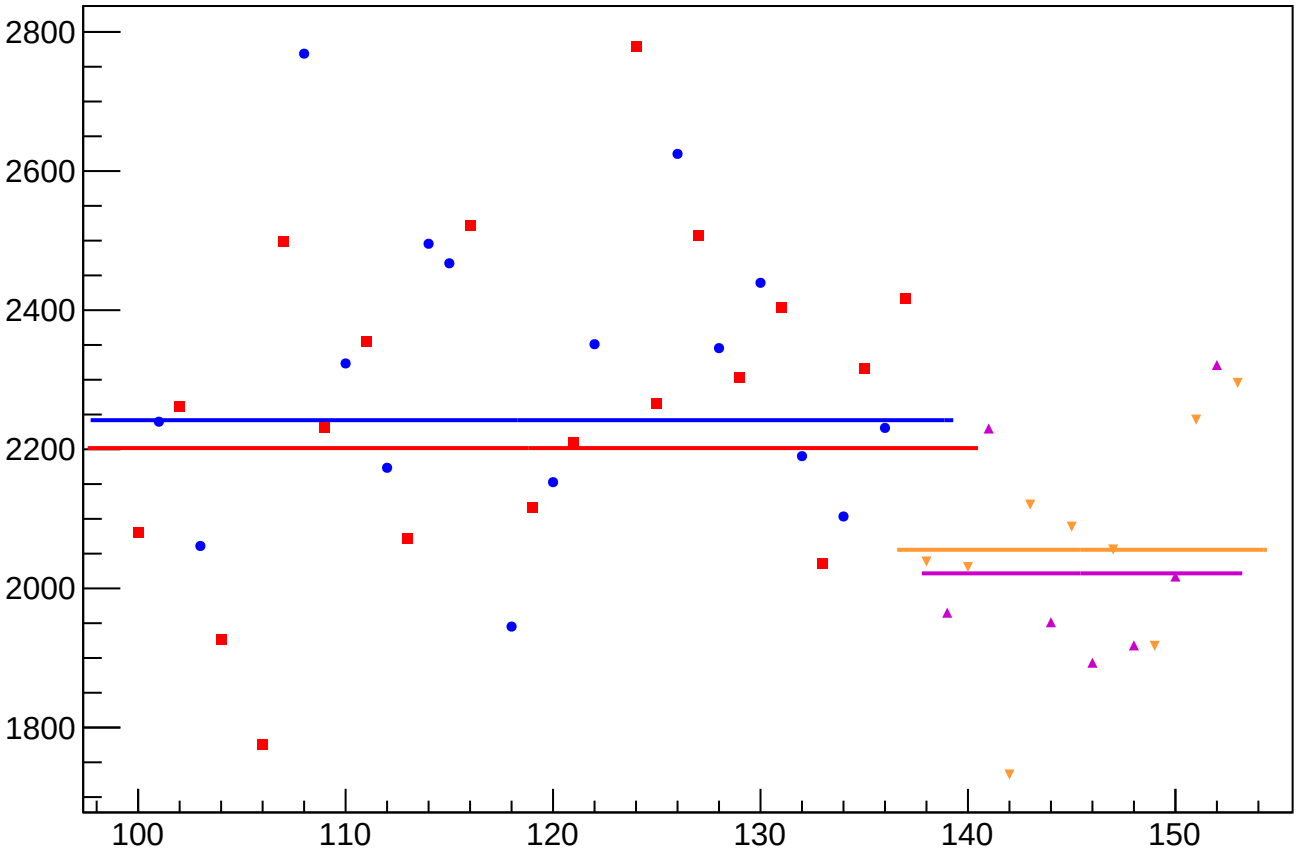
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 7.145+/-0.824 χ^2/NDF:70.7/6

+ sign 9.986+/-0.570 χ^2/NDF: 201.6/24

All: 5.114+/-0.406 χ^2/NDF: 697.2/50

- sign 0.124+/-0.577 χ^2/NDF: 348.0/25



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2055.546+/-0.551 χ^2/NDF:71098.5/8

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

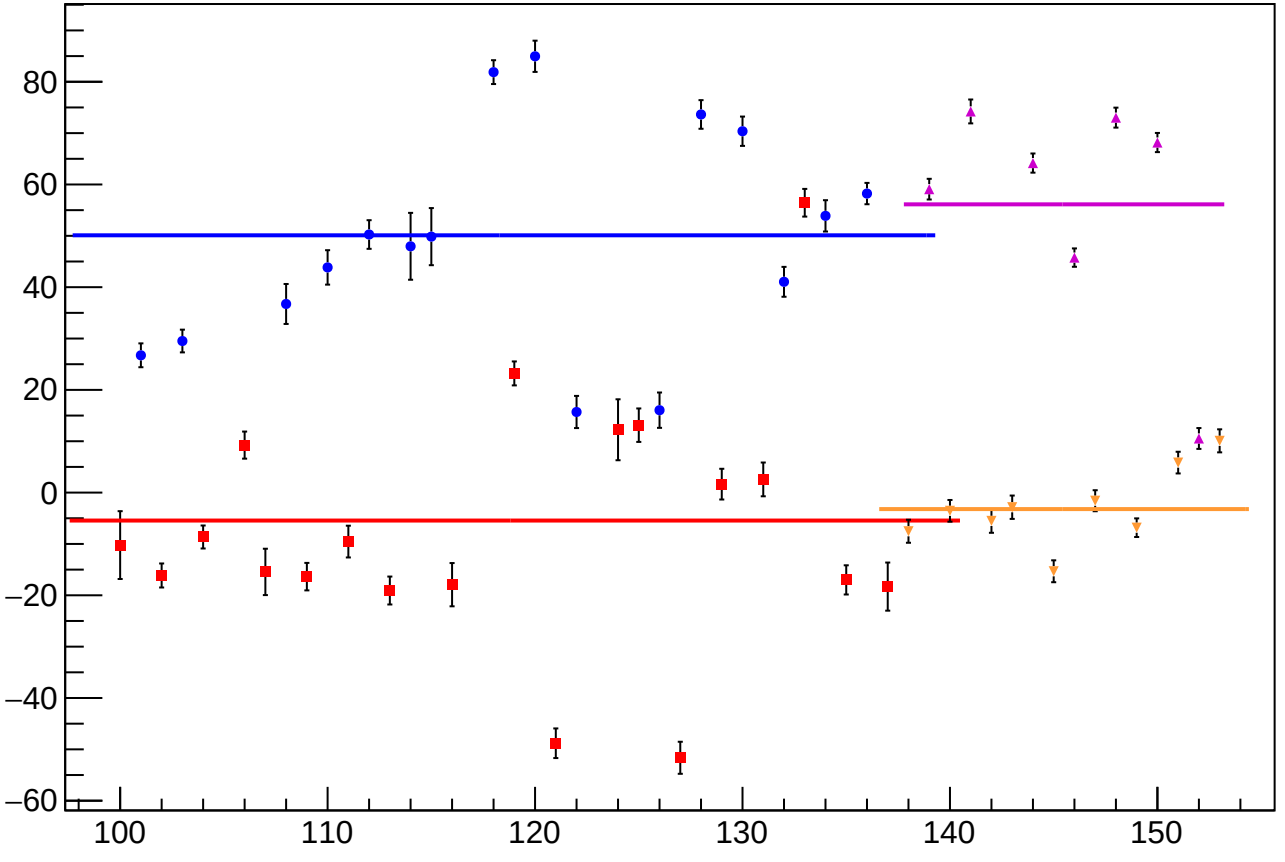
Left In: 2021.640+/-0.582 χ^2/NDF:60490.8/6

+ sign 2141.967+/-0.403 χ^2/NDF: 226409.6/24

All: 2127.795+/-0.287 χ^2/NDF: 467928.1/50

- sign 2113.282+/-0.408 χ^2/NDF: 239020.2/25

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -3.212+/-0.709 χ^2/NDF:95.1/8

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

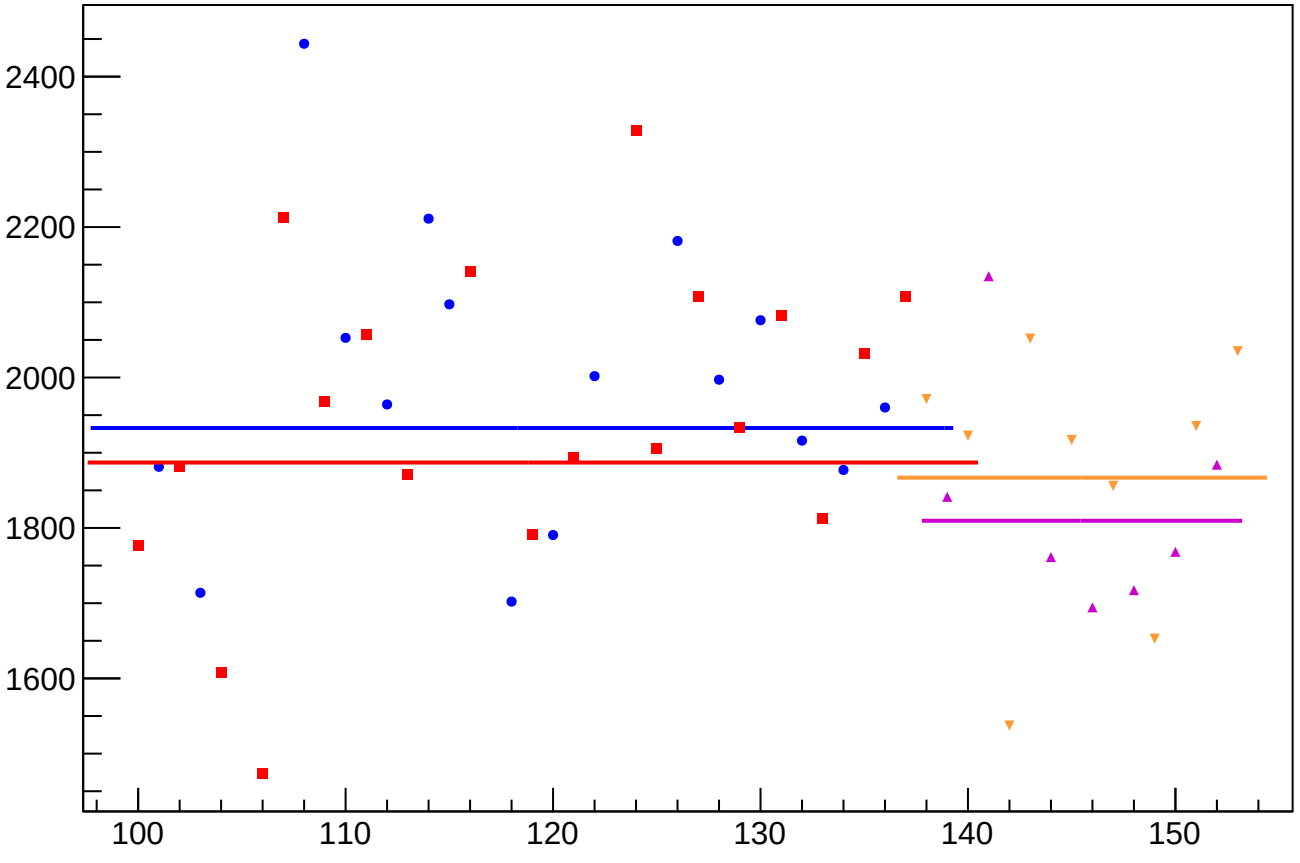
Left In: 56.132+/-0.740 χ^2/NDF:736.4/6

+ sign 22.960+/-0.506 χ^2/NDF: 3758.6/24

All: 23.169+/-0.358 χ^2/NDF: 9488.9/50

- sign 23.378+/-0.506 χ^2/NDF: 5729.9/25

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1866.864+/-0.501 χ^2/NDF:101768.9/8

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

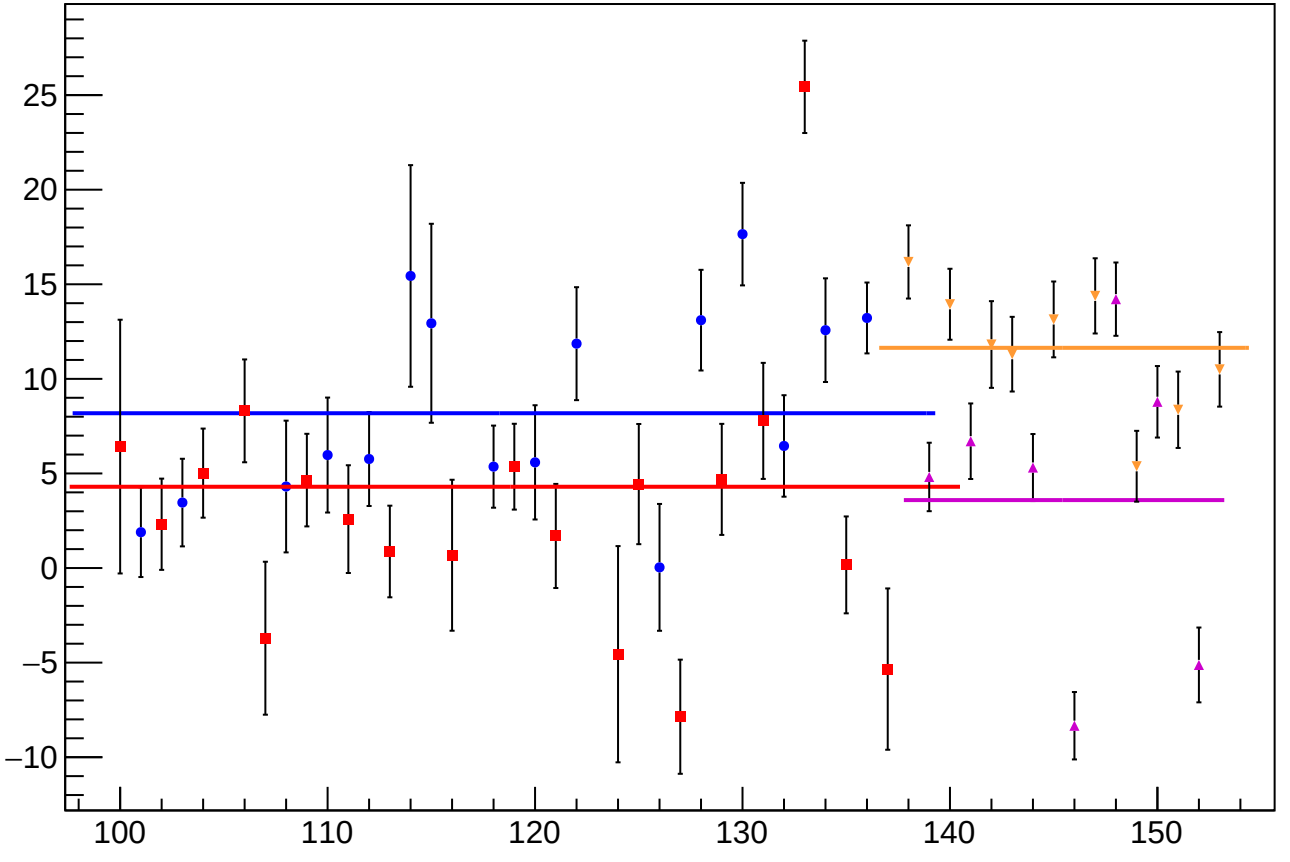
Left In: 1809.582+/-0.523 χ^2/NDF:57398.3/6

+ sign 1899.283+/-0.358 χ^2/NDF: 216252.1/24

All: 1875.044+/-0.253 χ^2/NDF: 444227.0/50

- sign 1850.766+/-0.358 χ^2/NDF: 218786.9/25

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.641+/-0.661 χ^2/NDF:23.7/8

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

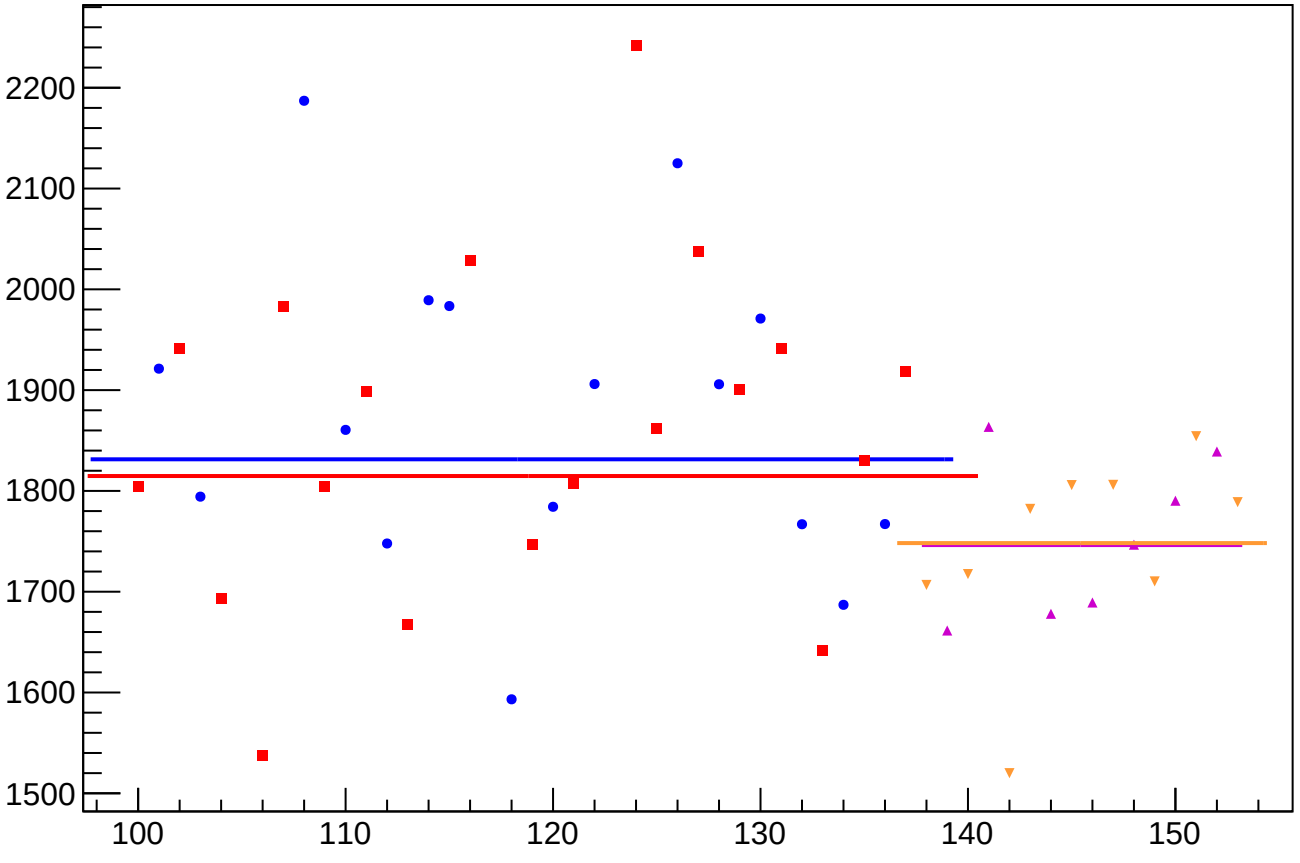
Left In: 3.592+/-0.709 χ^2/NDF:105.7/6

+ sign 9.970+/-0.475 χ^2/NDF: 88.8/24

All: 7.030+/-0.339 χ^2/NDF: 387.2/50

- sign 3.966+/-0.485 χ^2/NDF: 220.2/25

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1748.243+/-0.467 χ^2/NDF:32421.3/8

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

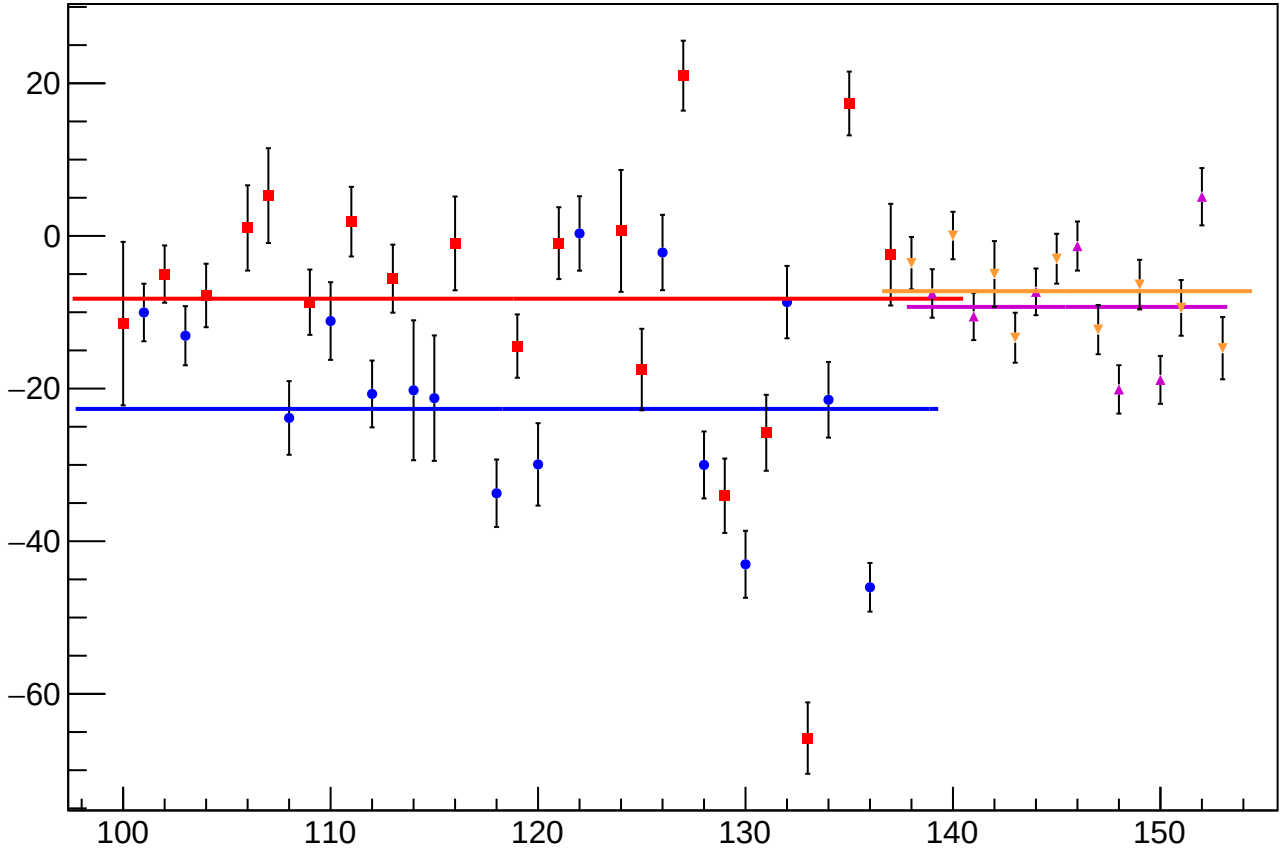
Left In: 1746.279+/-0.501 χ^2/NDF:21784.6/6

+ sign 1788.408+/-0.336 χ^2/NDF: 134621.0/24

All: 1785.599+/-0.240 χ^2/NDF: 257217.8/50

- sign 1782.671+/-0.343 χ^2/NDF: 122454.1/25

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -7.235+/-1.150 χ^2/NDF:18.3/8

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

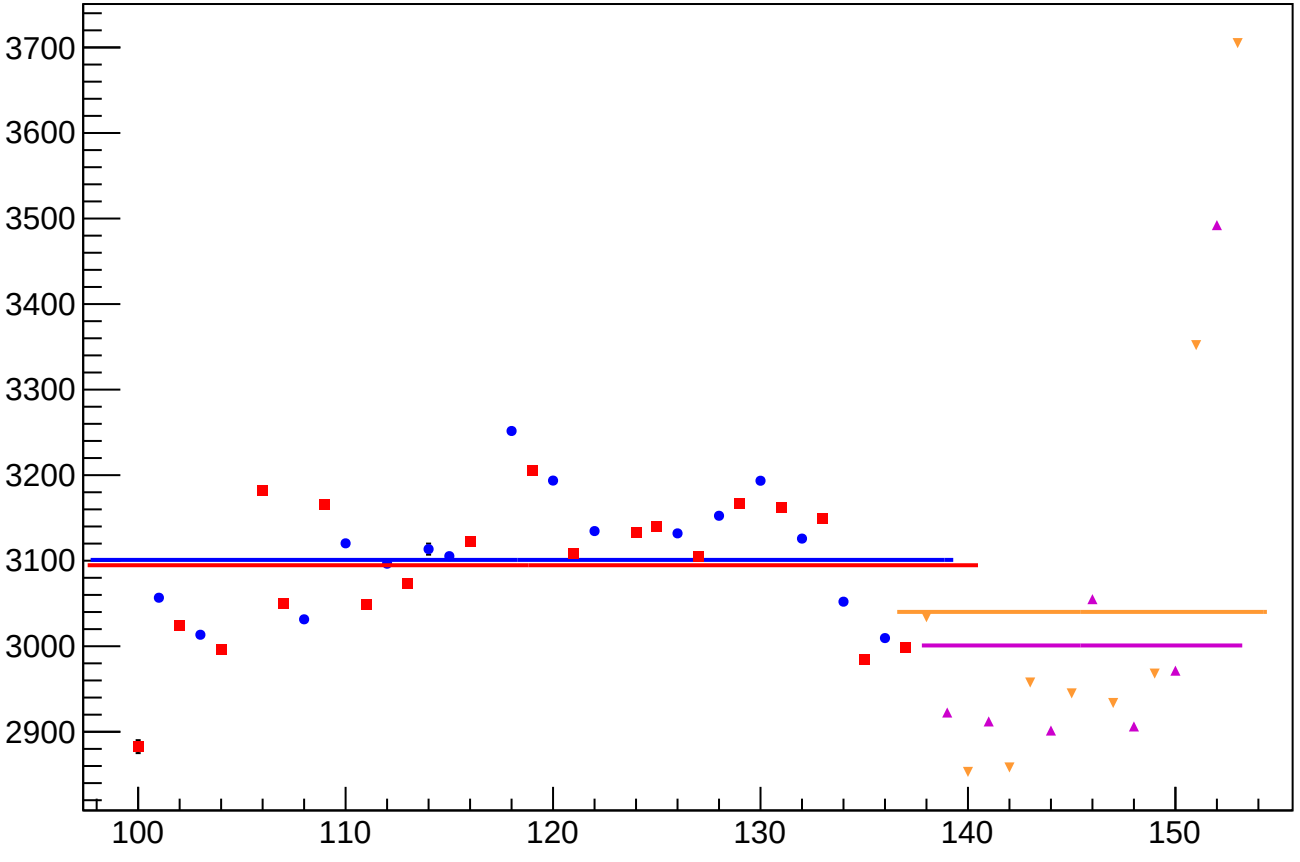
Left In: -9.298+/-1.214 χ^2/NDF:42.7/6

+ sign -14.939+/-0.814 χ^2/NDF: 265.3/24

All: -11.878+/-0.580 χ^2/NDF: 632.0/50

- sign -8.722+/-0.827 χ^2/NDF: 338.0/25

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3040.141+/-0.814 χ^2/NDF:84757.2/8

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

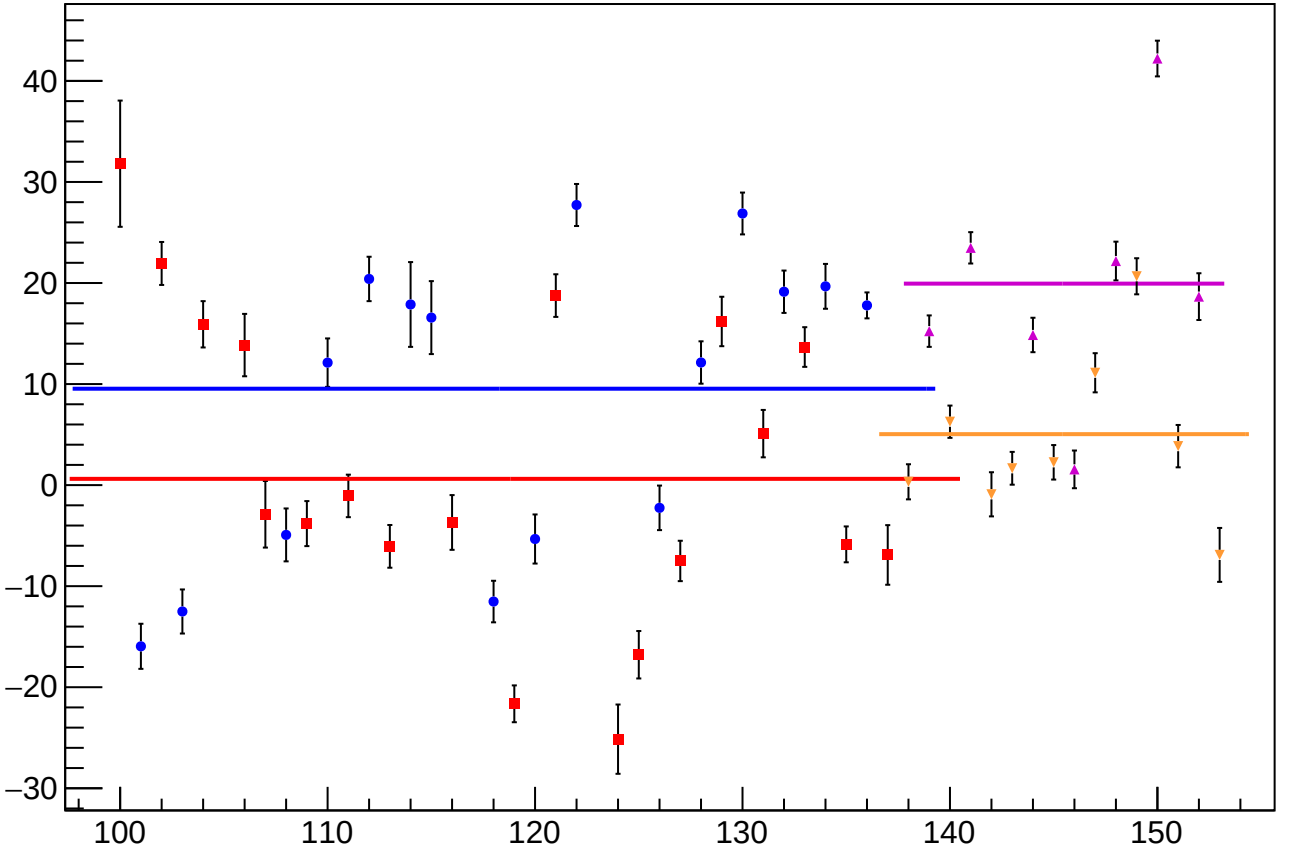
Left In: 3000.906+/-0.858 χ^2/NDF:41750.9/6

+ sign 3070.503+/-0.576 χ^2/NDF: 95440.2/24

All: 3060.991+/-0.410 χ^2/NDF: 152734.0/50

- sign 3051.185+/-0.584 χ^2/NDF: 56739.1/25

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.044+/-0.620 χ^2/NDF:129.1/8

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

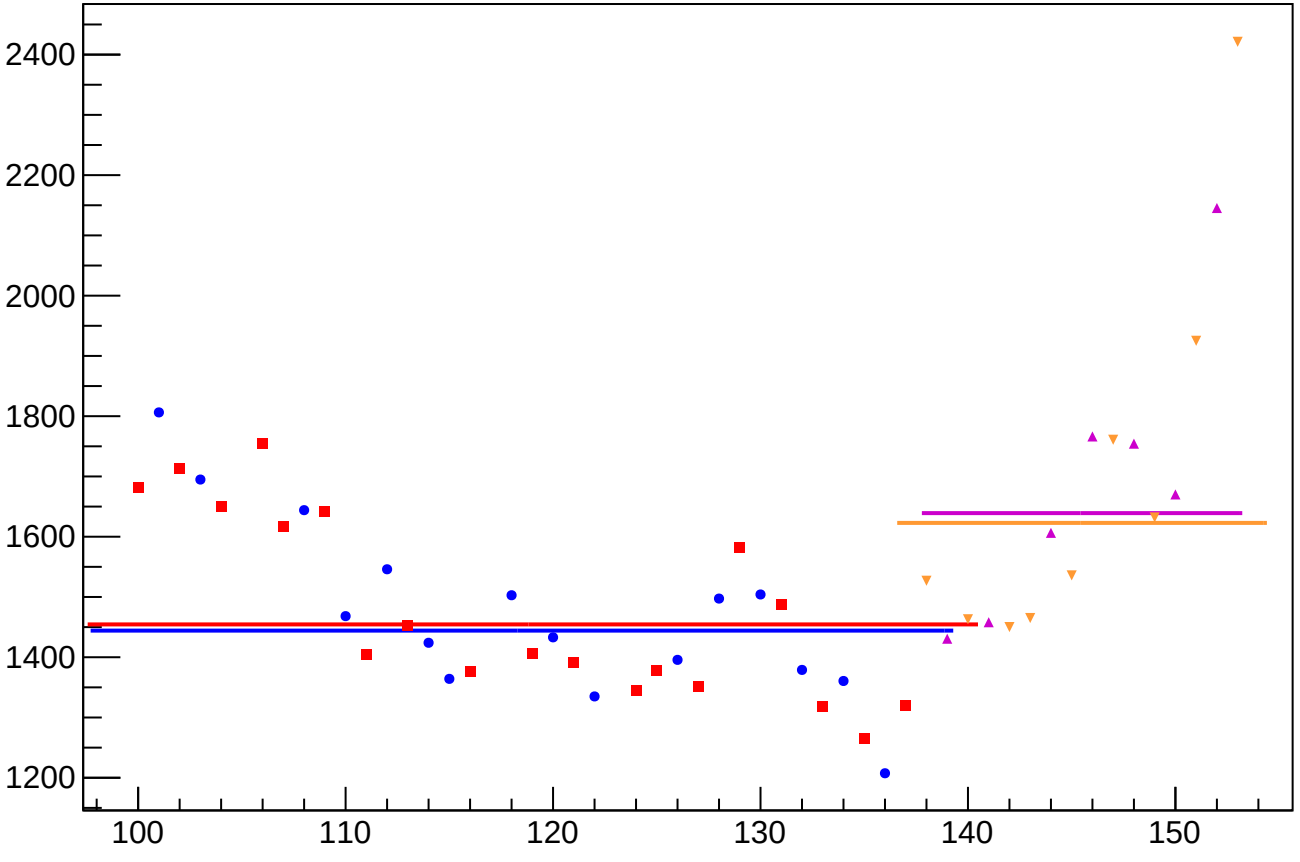
Left In: 19.939+/-0.668 χ^2/NDF:280.8/6

+ sign 7.595+/-0.408 χ^2/NDF: 857.7/24

All: 7.866+/-0.292 χ^2/NDF: 2315.2/50

- sign 8.150+/-0.417 χ^2/NDF: 1456.6/25

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1622.922+/-0.438 χ^2/NDF:293541.5/8

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

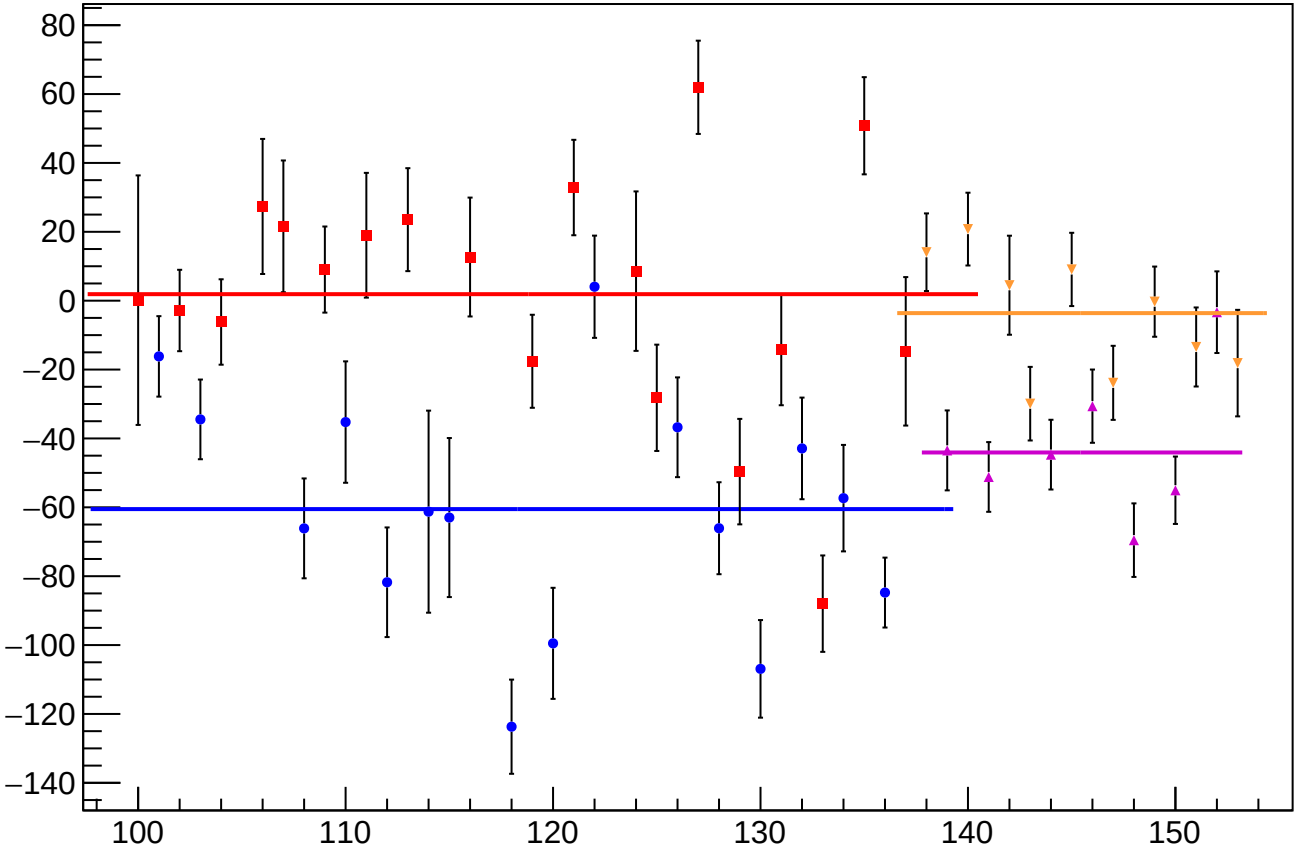
Left In: 1639.157+/-0.473 χ^2/NDF:176791.8/6

+ sign 1521.522+/-0.288 χ^2/NDF: 568037.5/24

All: 1523.934+/-0.206 χ^2/NDF: 980957.6/50

- sign 1526.459+/-0.295 χ^2/NDF: 412776.8/25

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -3.609+/-3.799 χ^2/NDF:20.9/8

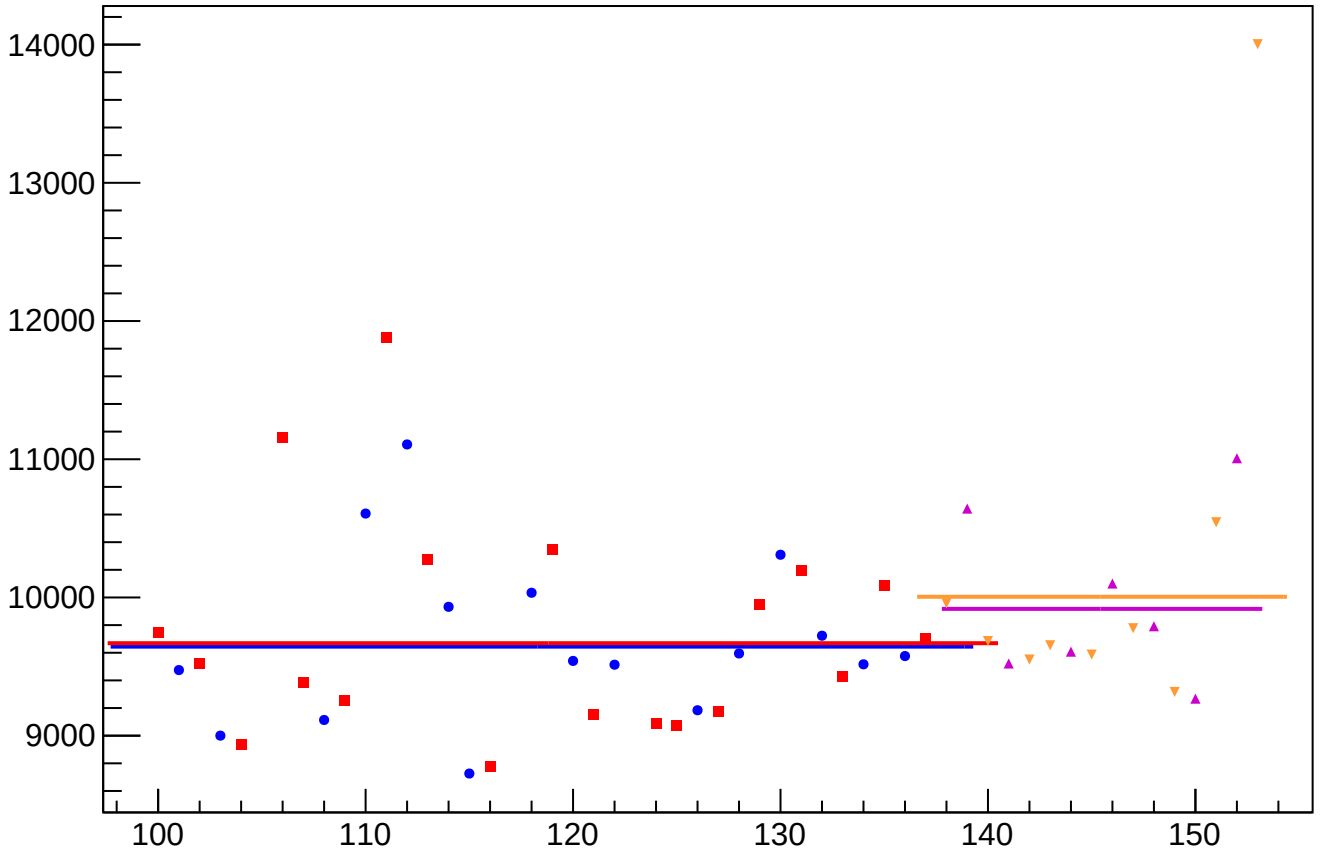
Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: -44.078+/-4.013 χ^2/NDF:20.8/6

+ sign -33.618+/-2.612 χ^2/NDF: 229.5/24

All: -26.061+/-1.862 χ^2/NDF: 445.0/50

- sign -18.245+/-2.656 χ^2/NDF: 198.4/25



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10005.102+/-2.686 χ^2/NDF:157209.1/8

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

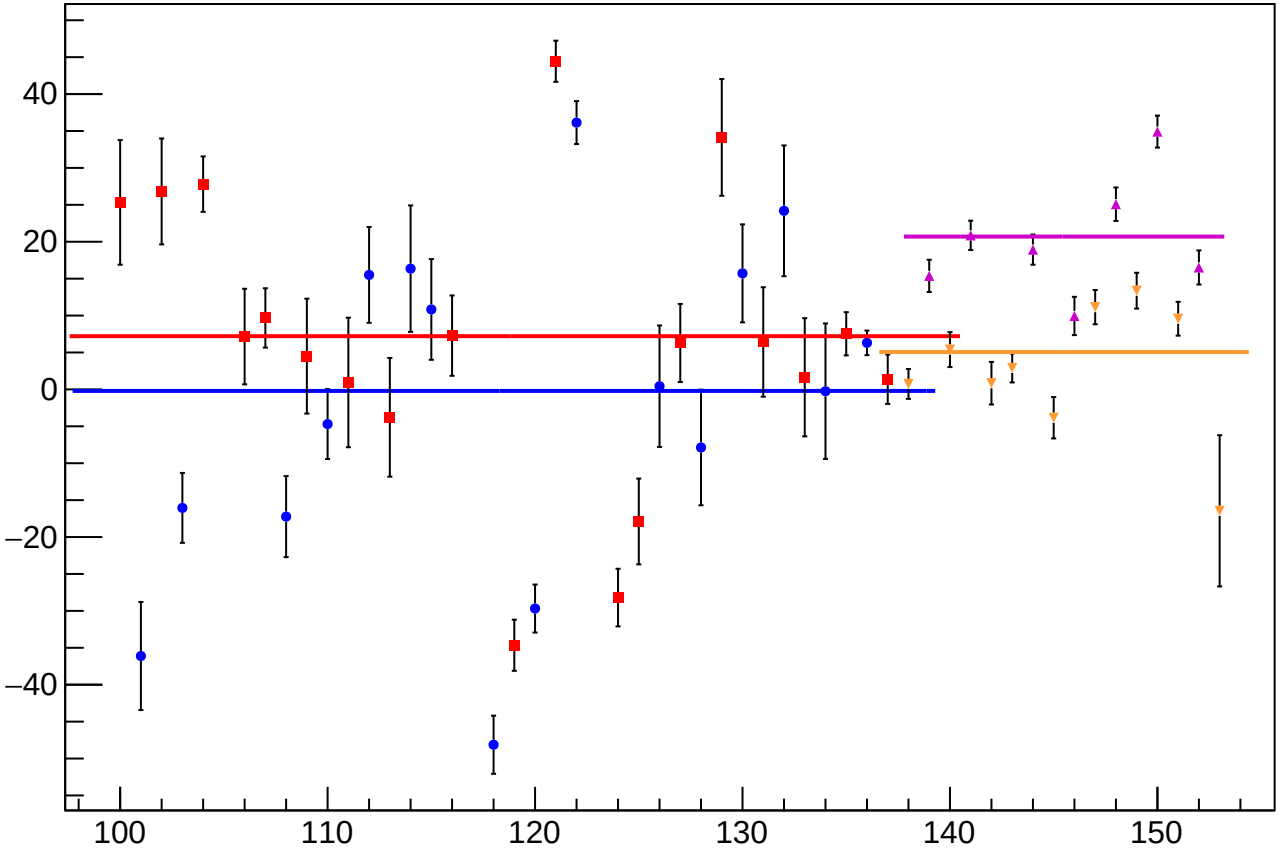
Left In: 9917.448+/-2.837 χ^2/NDF:39324.0/6

+ sign 9814.891+/-1.847 χ^2/NDF: 210820.9/24

All: 9796.712+/-1.317 χ^2/NDF: 334524.0/50

- sign 9777.911+/-1.878 χ^2/NDF: 123505.9/25

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 5.061+/-0.820 χ^2/NDF:44.9/8

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

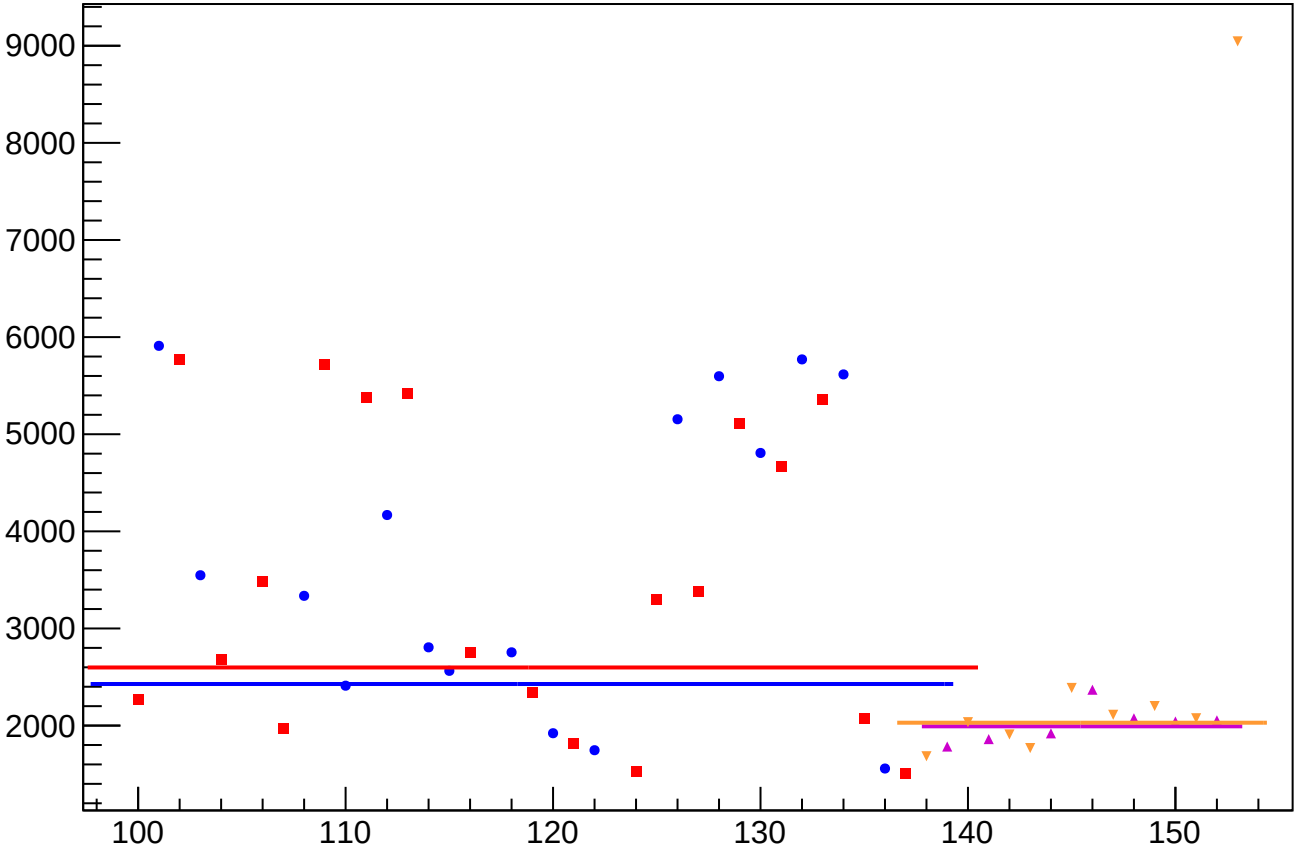
Left In: 20.702+/-0.831 χ^2/NDF:74.1/6

+ sign 3.054+/-0.645 χ^2/NDF: 534.3/24

All: 9.239+/-0.460 χ^2/NDF: 1379.9/50

- sign 15.648+/-0.657 χ^2/NDF: 658.6/25

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2029.574+/-0.580 χ^2/NDF:1081593.8/8

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

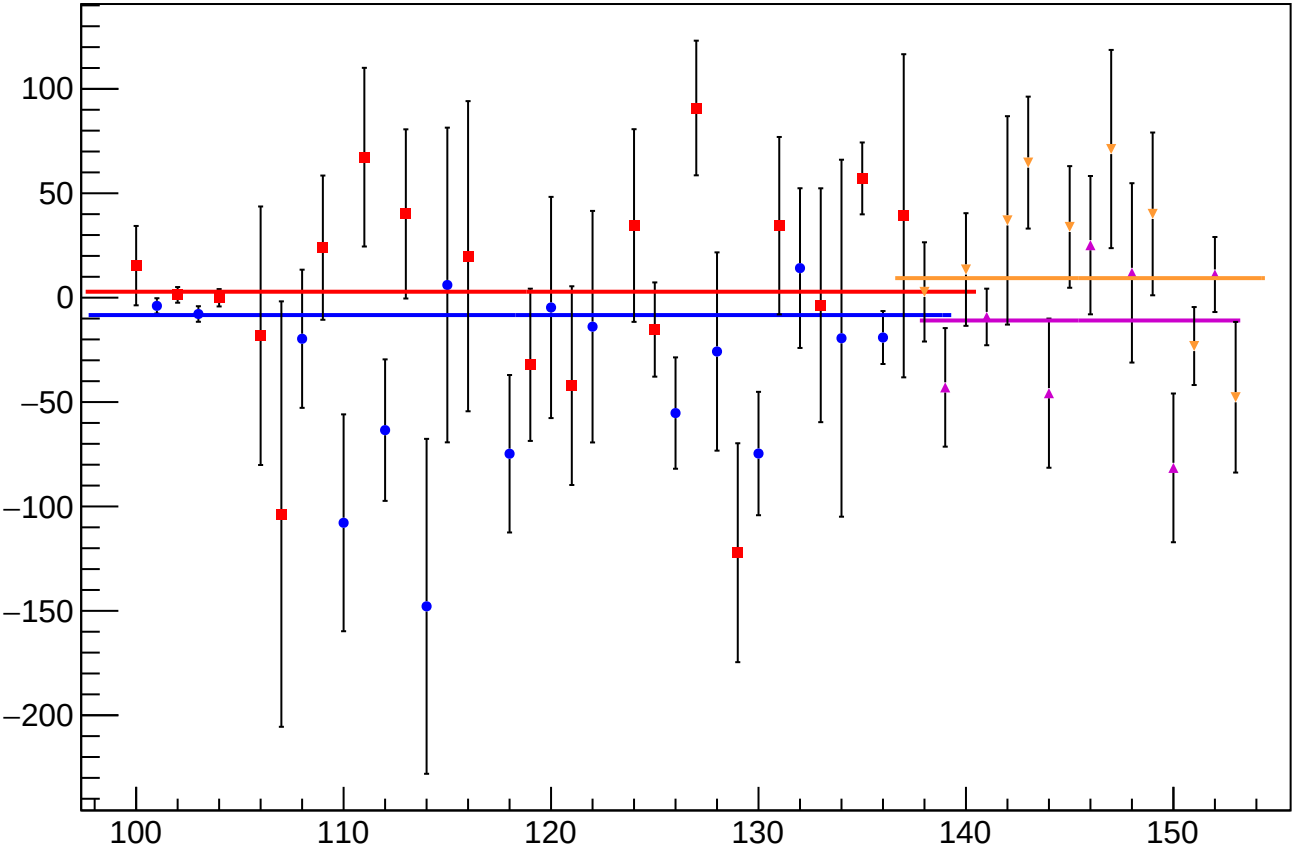
Left In: 1992.379+/-0.587 χ^2/NDF:76928.3/6

+ sign 2181.458+/-0.456 χ^2/NDF: 4076804.3/24

All: 2200.030+/-0.326 χ^2/NDF: 7070553.4/50

- sign 2219.278+/-0.465 χ^2/NDF: 2990376.1/25

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 9.358+/-9.776 χ^2/NDF:12.0/8

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

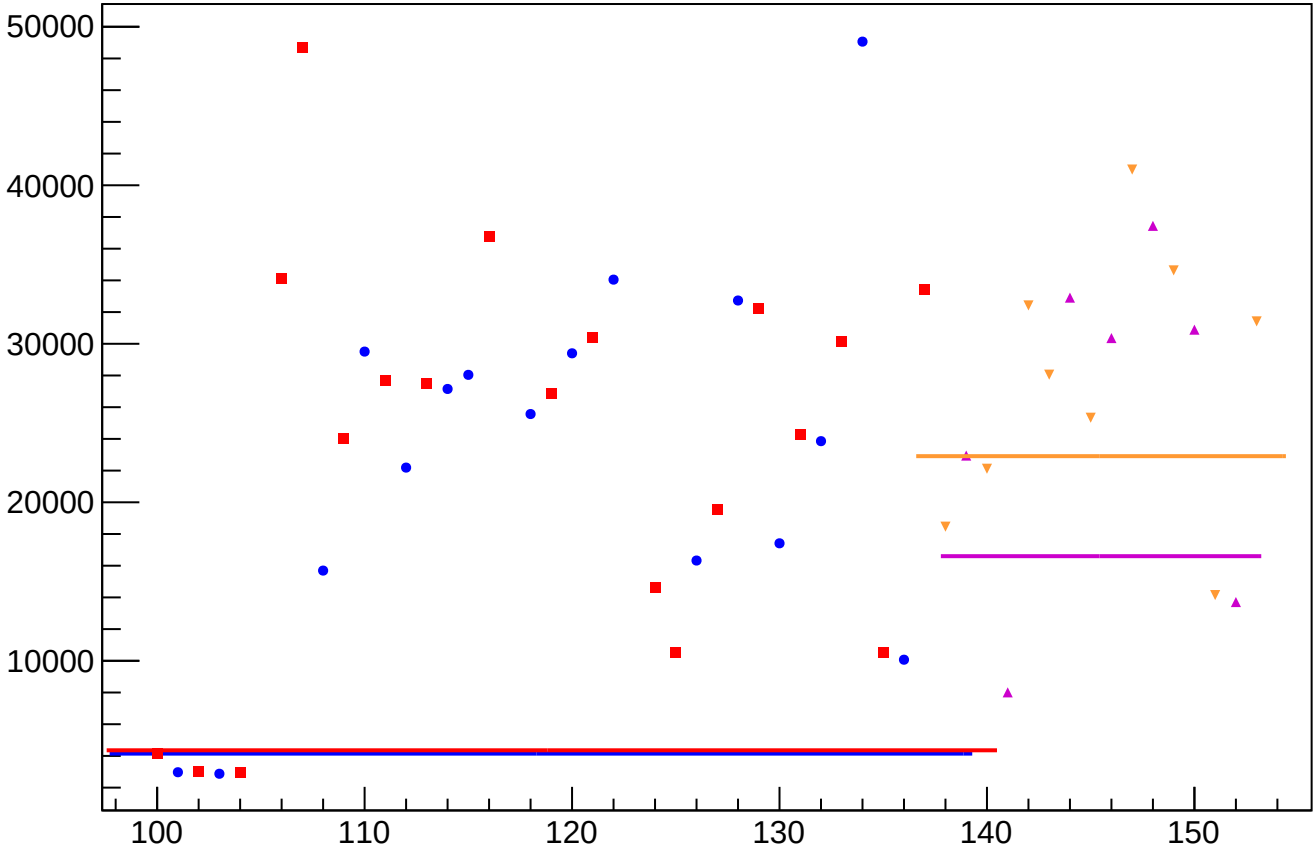
Left In: -10.926+/-8.836 χ^2/NDF:9.1/6

\+ sign -7.247+/-2.421 χ^2/NDF: 38.5/24

All: -2.959+/-1.749 χ^2/NDF: 89.1/50

\- sign 1.720+/-2.529 χ^2/NDF: 44.0/25

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 22910.381+/-6.912 χ^2/NDF:1233780.9/8

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

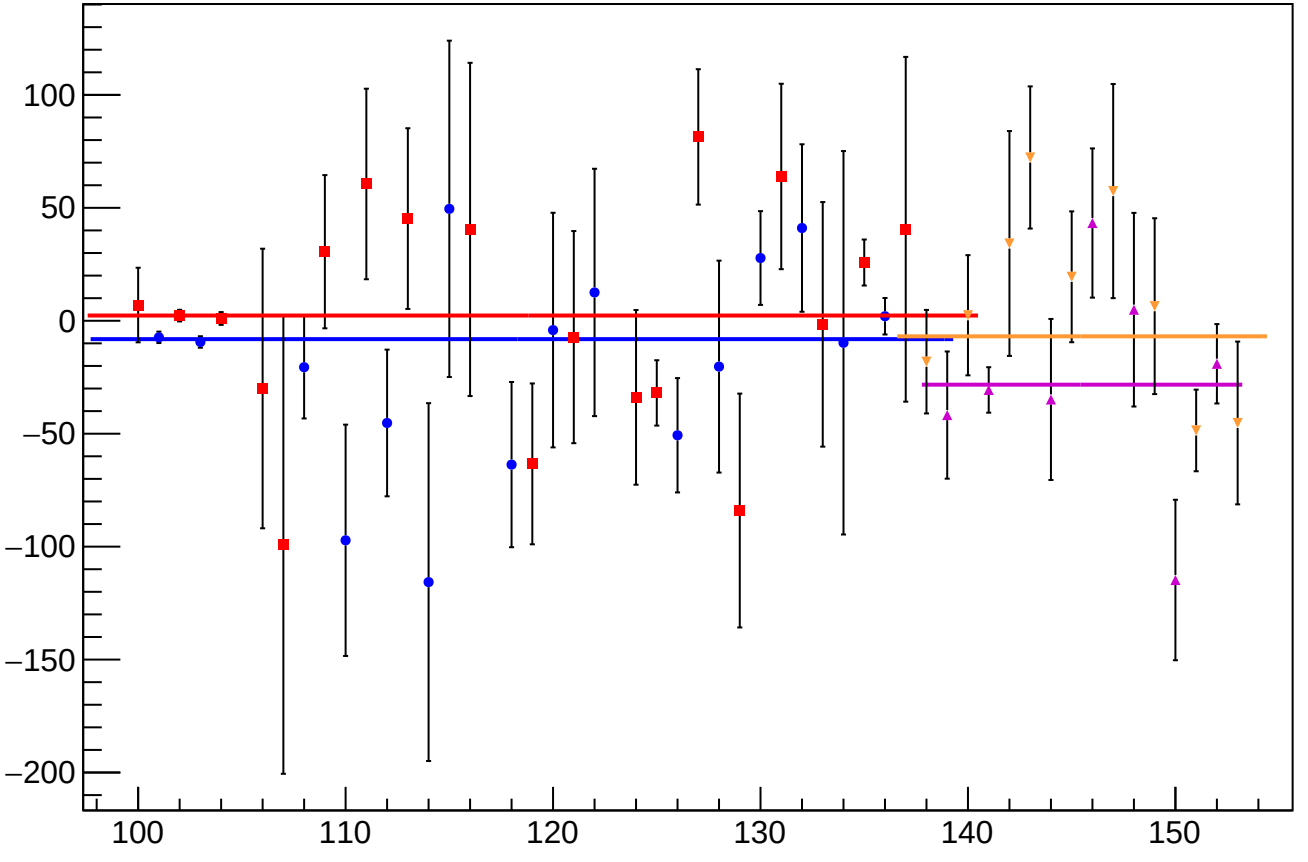
Left In: 16600.966+/-6.248 χ^2/NDF:2510408.3/6

+ sign 5297.132+/-1.712 χ^2/NDF: 14987597.2/24

All: 5326.135+/-1.237 χ^2/NDF: 28650529.5/5

- sign 5357.774+/-1.788 χ^2/NDF: 13662332.4/25

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -6.886+/-9.596 χ^2/NDF:16.6/8

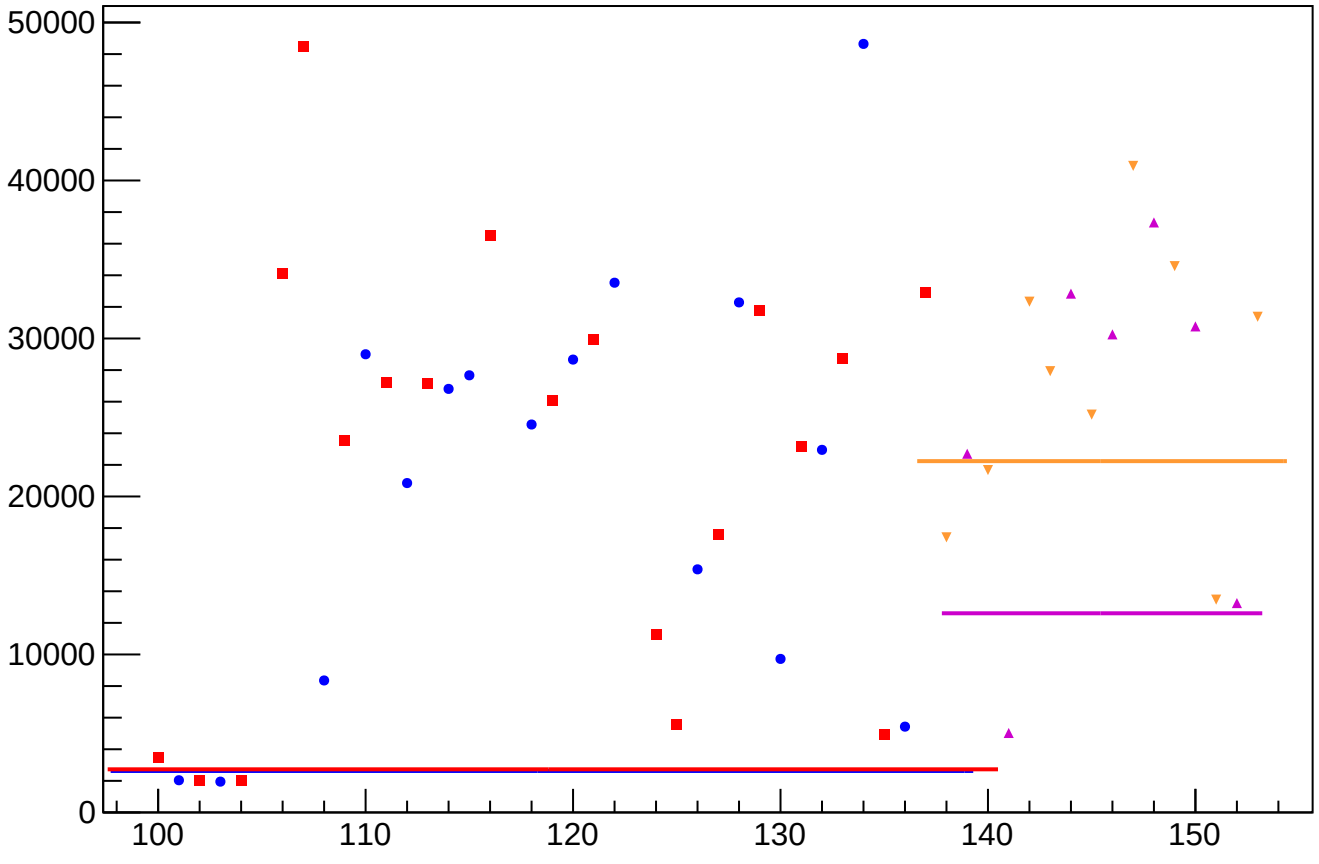
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -28.295+/-7.578 χ^2/NDF:11.8/6

+ sign -8.094+/-1.693 χ^2/NDF: 35.7/24

All: -3.917+/-1.224 χ^2/NDF: 108.8/50

- sign 0.652+/-1.771 χ^2/NDF: 60.3/25



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22236.436+/-6.785 χ^2/NDF:1369128.0/8

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

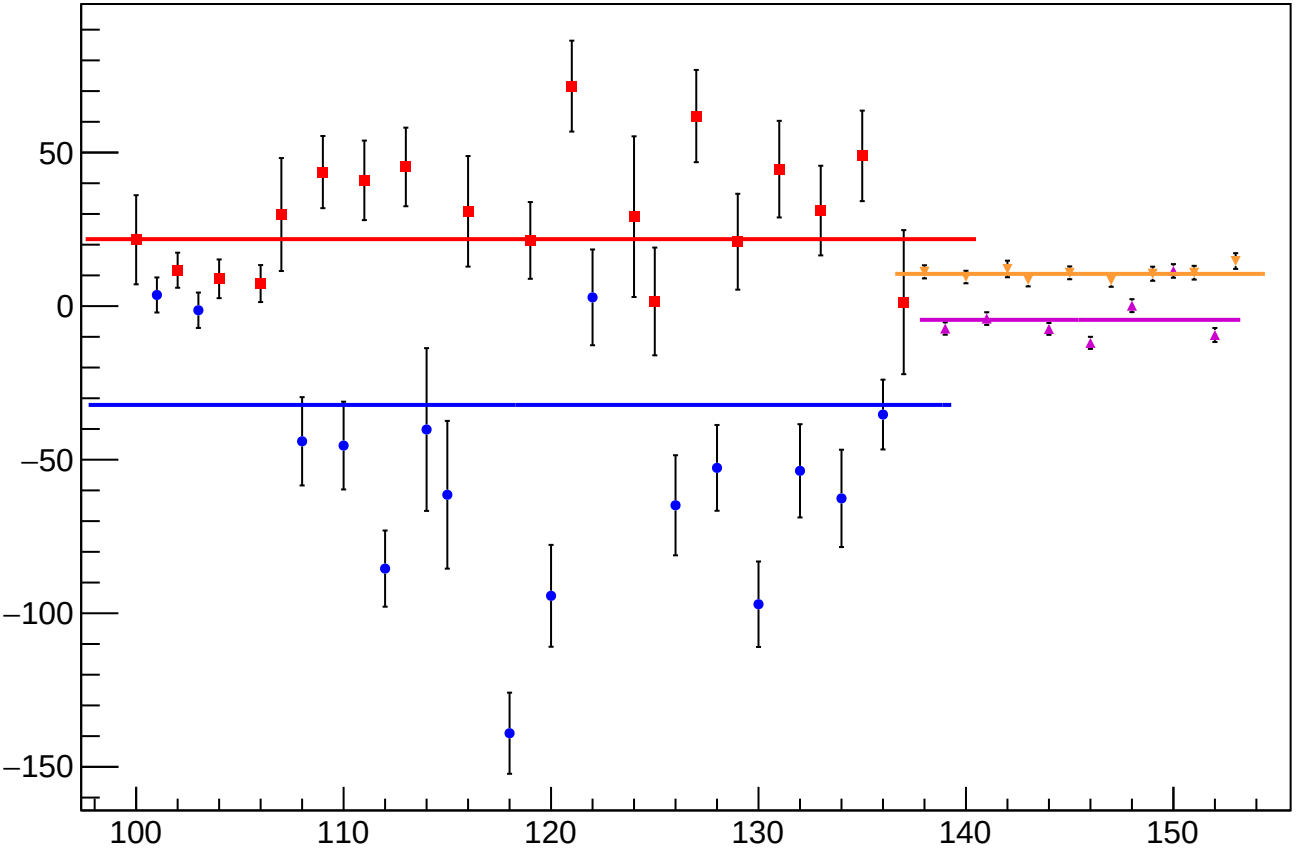
Left In: 12606.397+/-5.359 χ^2/NDF:3797420.9/6

+ sign 3237.138+/-1.197 χ^2/NDF: 16242594.3/24

All: 3252.702+/-0.865 χ^2/NDF: 31237575.5/5

- sign 3269.729+/-1.252 χ^2/NDF: 14994627.5/25

diff_bpm0l04X_mean vs Slug



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.498+/-0.744 χ^2/NDF:5.3/8

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

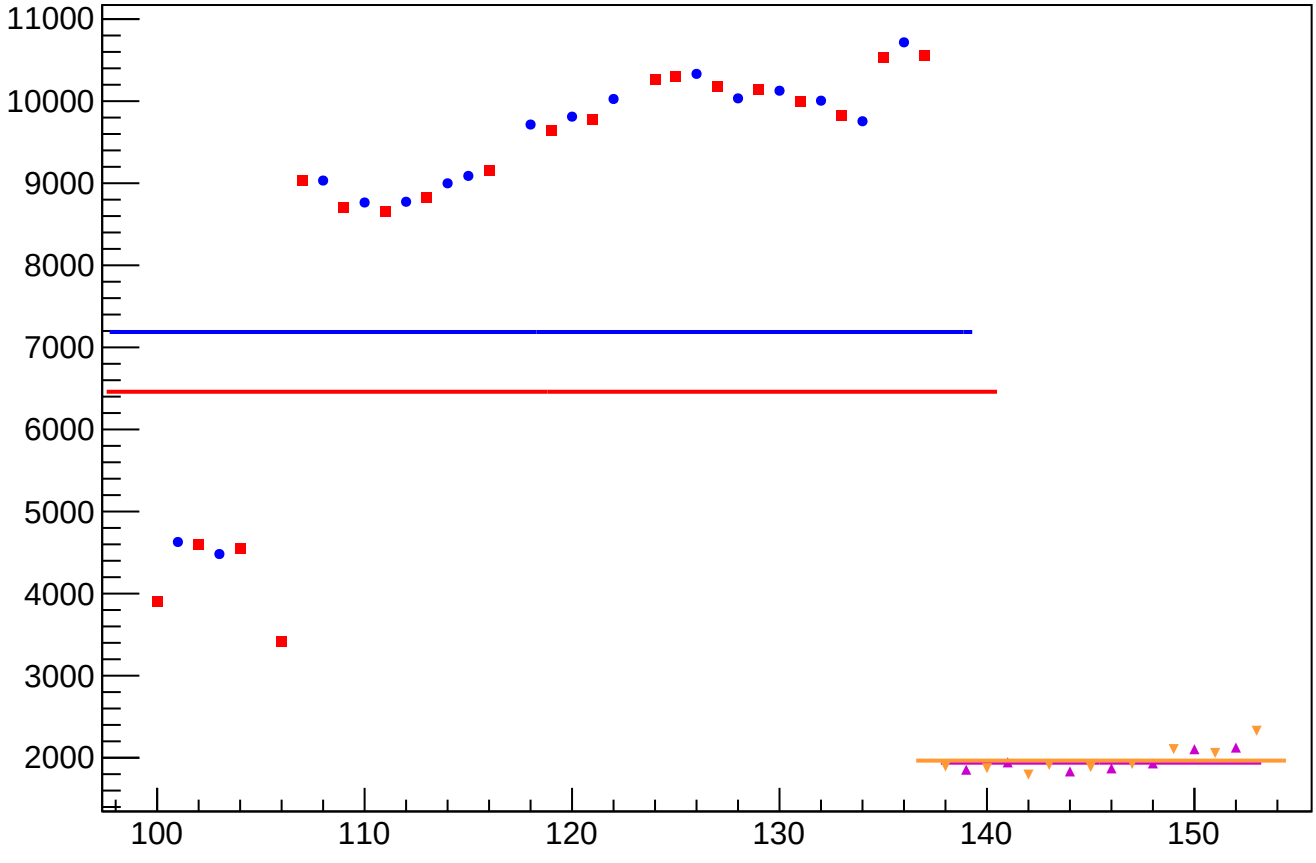
Left In: -4.470+/-0.785 χ^2/NDF:79.6/6

+ sign 7.763+/-0.719 χ^2/NDF: 424.0/24

All: 2.987+/-0.519 χ^2/NDF: 741.2/50

- sign -2.208+/-0.750 χ^2/NDF: 225.2/25

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1965.191+/-0.526 χ^2/NDF:70166.9/8

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

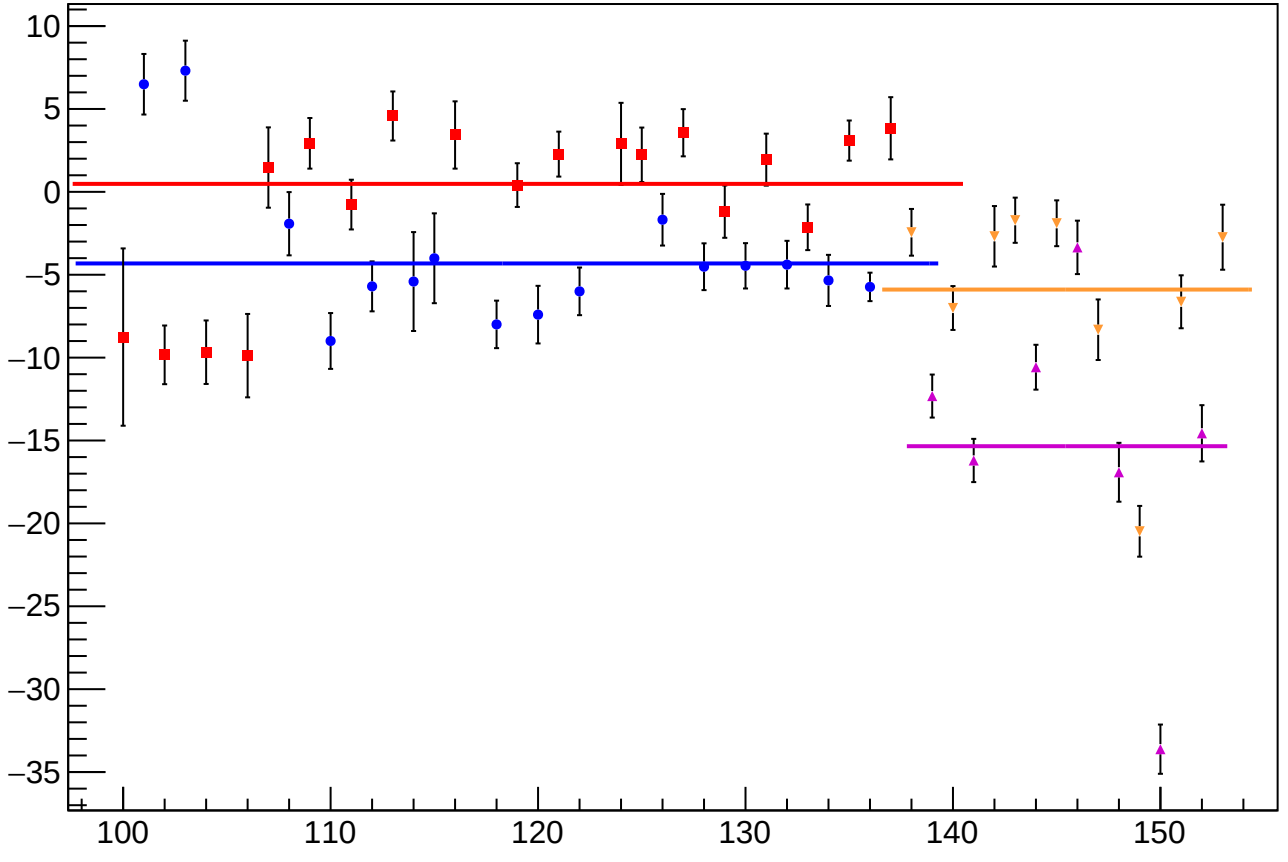
Left In: 1939.984+/-0.555 χ^2/NDF:36076.8/6

+ sign 2299.889+/-0.509 χ^2/NDF: 8097315.8/24

All: 2313.839+/-0.367 χ^2/NDF: 16119706.4/5

- sign 2329.013+/-0.531 χ^2/NDF: 8020820.7/25

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -5.894+/-0.512 χ^2/NDF:122.9/8

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

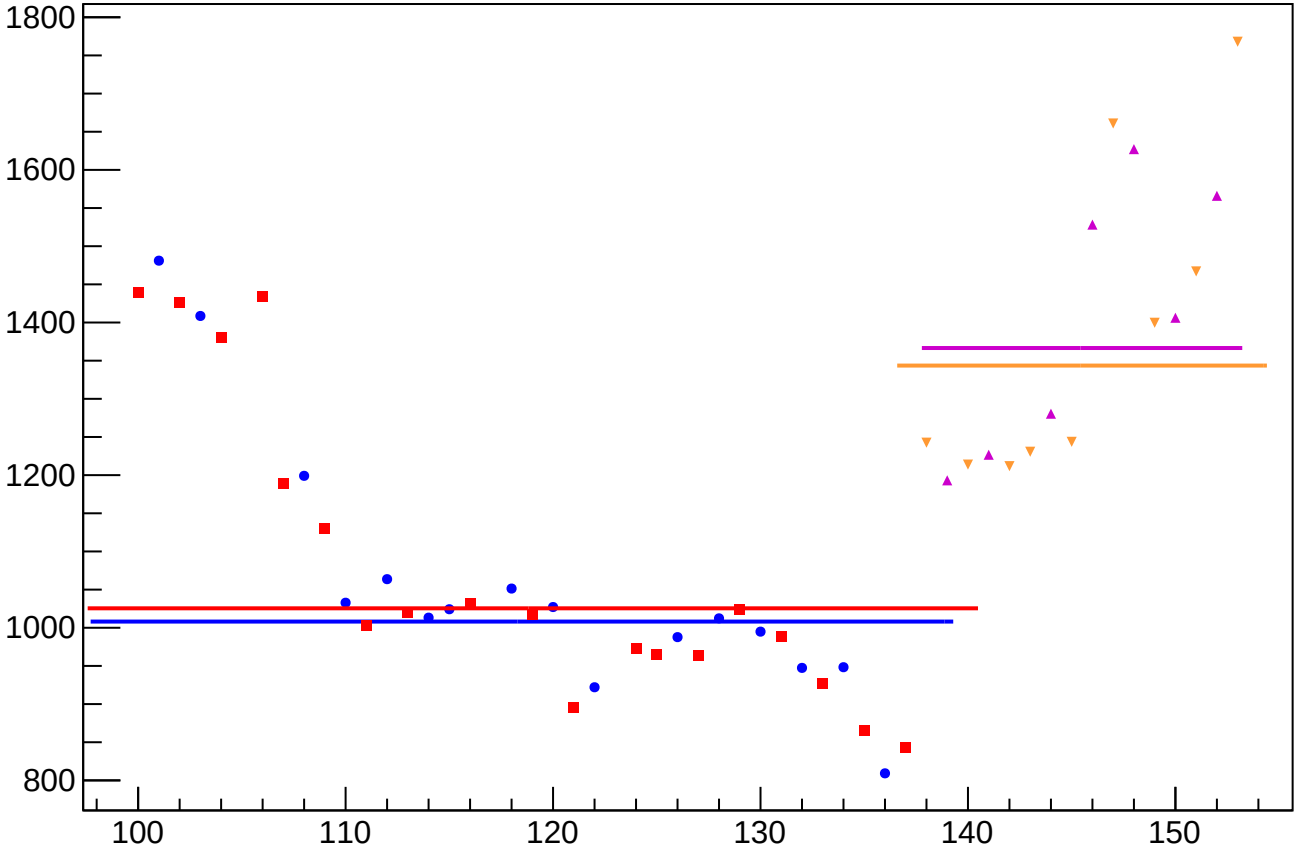
Left In: -15.344+/-0.556 χ^2/NDF:226.0/6

+ sign -4.878+/-0.305 χ^2/NDF: 232.7/24

All: -4.708+/-0.218 χ^2/NDF: 1129.4/50

- sign -4.528+/-0.313 χ^2/NDF: 896.1/25

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1343.583+/-0.362 χ^2/NDF:232688.7/8

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

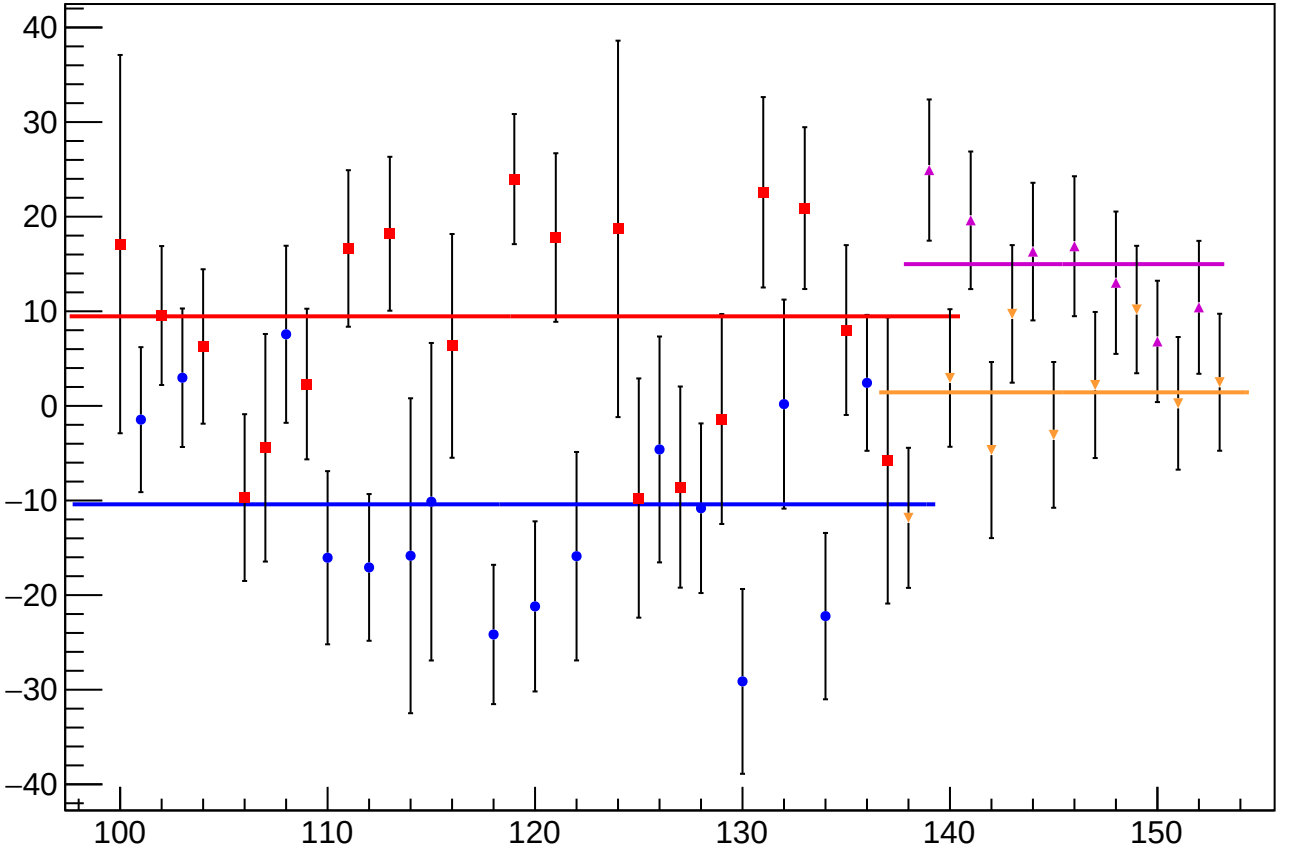
Left In: 1366.582+/-0.393 χ^2/NDF:159043.3/6

+ sign 1127.172+/-0.216 χ^2/NDF: 1165453.2/24

All: 1130.235+/-0.154 χ^2/NDF: 2184636.5/50

- sign 1133.461+/-0.221 χ^2/NDF: 1018769.1/25

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: 1.432+/-2.479 χ^2/NDF:7.1/8

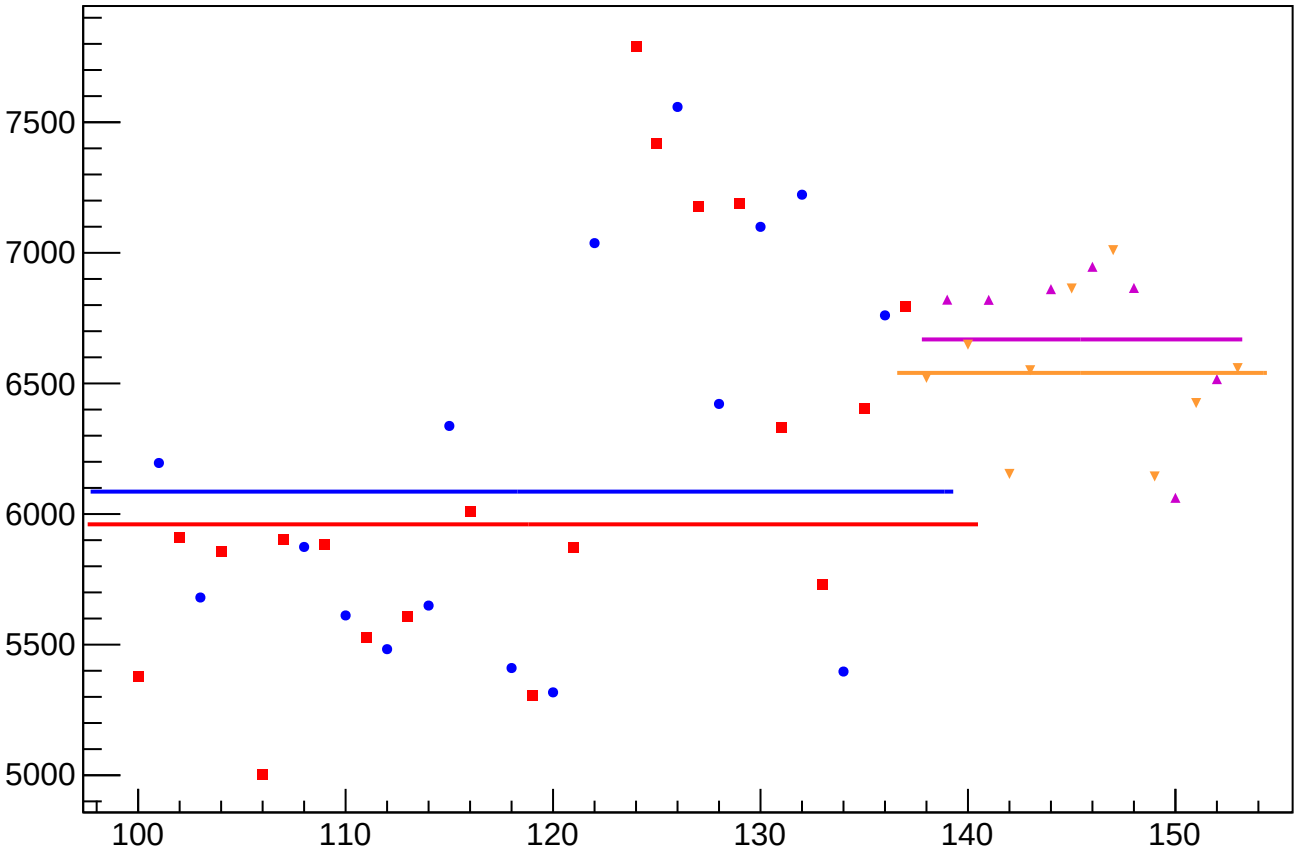
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 14.984+/-2.709 χ^2/NDF:4.4/6

\+ sign -4.980+/-1.678 χ^2/NDF: 44.1/24

All: 3.210+/-1.195 χ^2/NDF: 124.7/50

\- sign 11.649+/-1.703 χ^2/NDF: 32.3/25



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6540.389+/-1.753 χ^2/NDF:22324.6/8

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

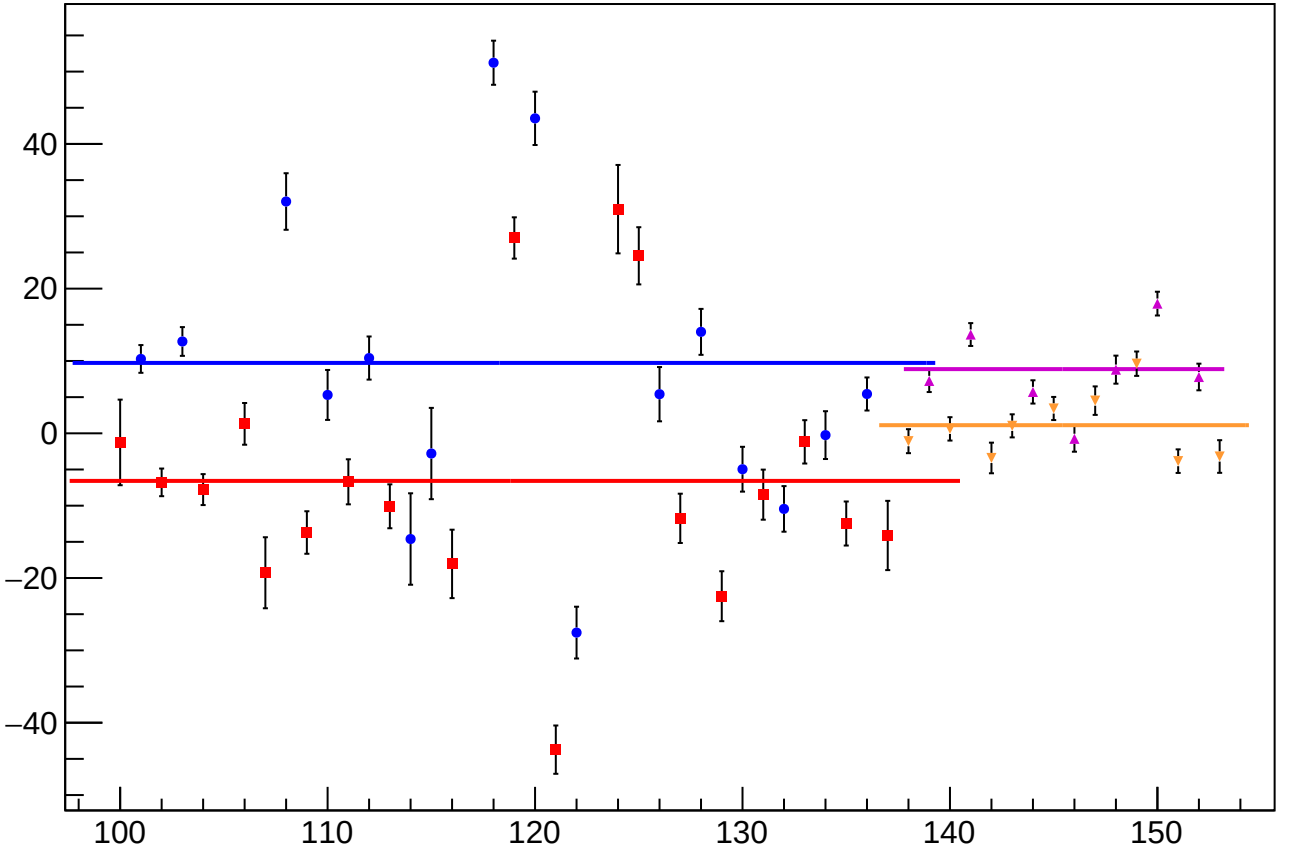
Left In: 6668.492+/-1.915 χ^2/NDF:26113.0/6

+ sign 6294.162+/-1.187 χ^2/NDF: 237866.0/24

All: 6267.762+/-0.845 χ^2/NDF: 510325.7/50

- sign 6240.559+/-1.205 χ^2/NDF: 271454.8/25

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.125+/-0.583 χ^2/NDF:49.9/8

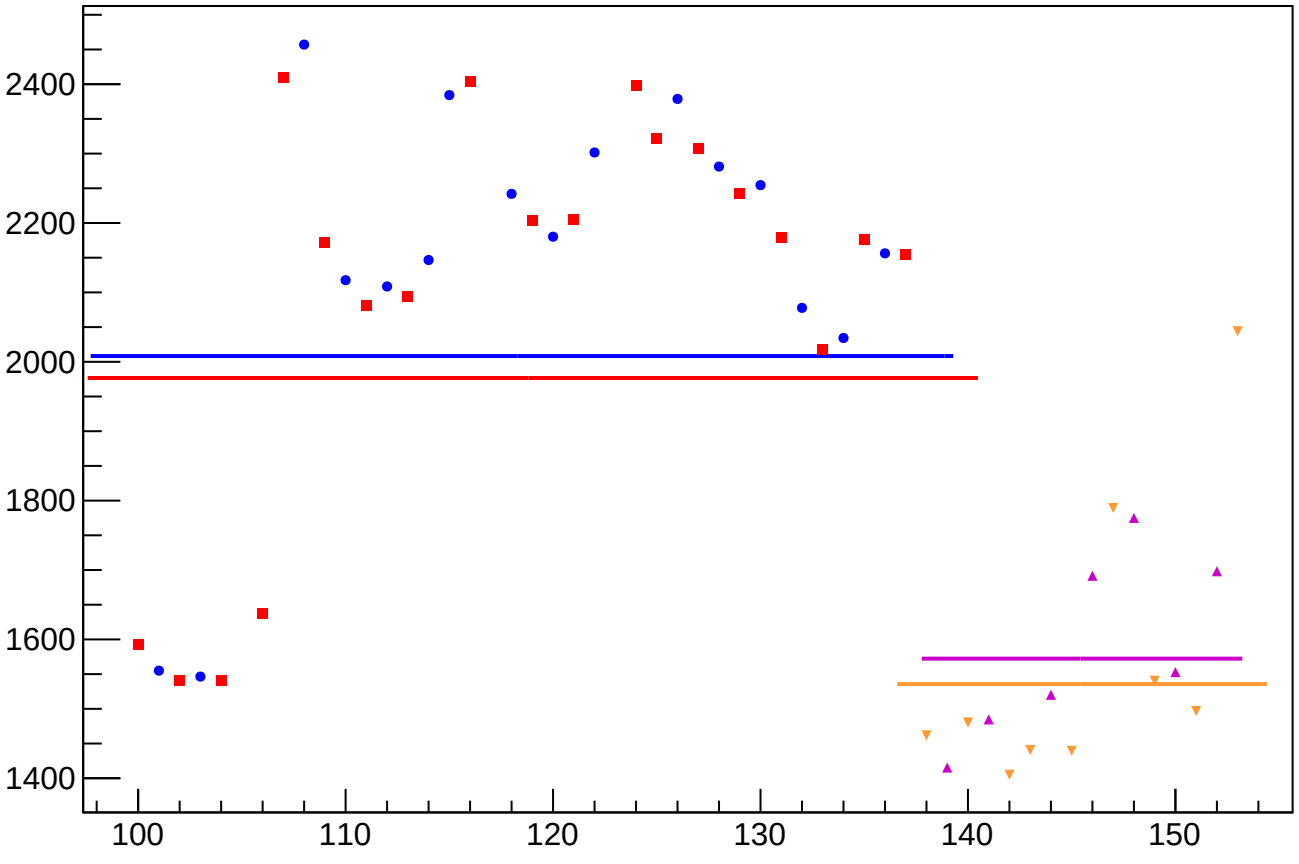
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 8.875+/-0.638 χ^2/NDF:74.0/6

+ sign 4.344+/-0.462 χ^2/NDF: 643.7/24

All: 3.308+/-0.333 χ^2/NDF: 1405.7/50

- sign 2.185+/-0.481 χ^2/NDF: 751.5/25



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1535.664+/-0.413 χ^2/NDF:164147.8/8

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

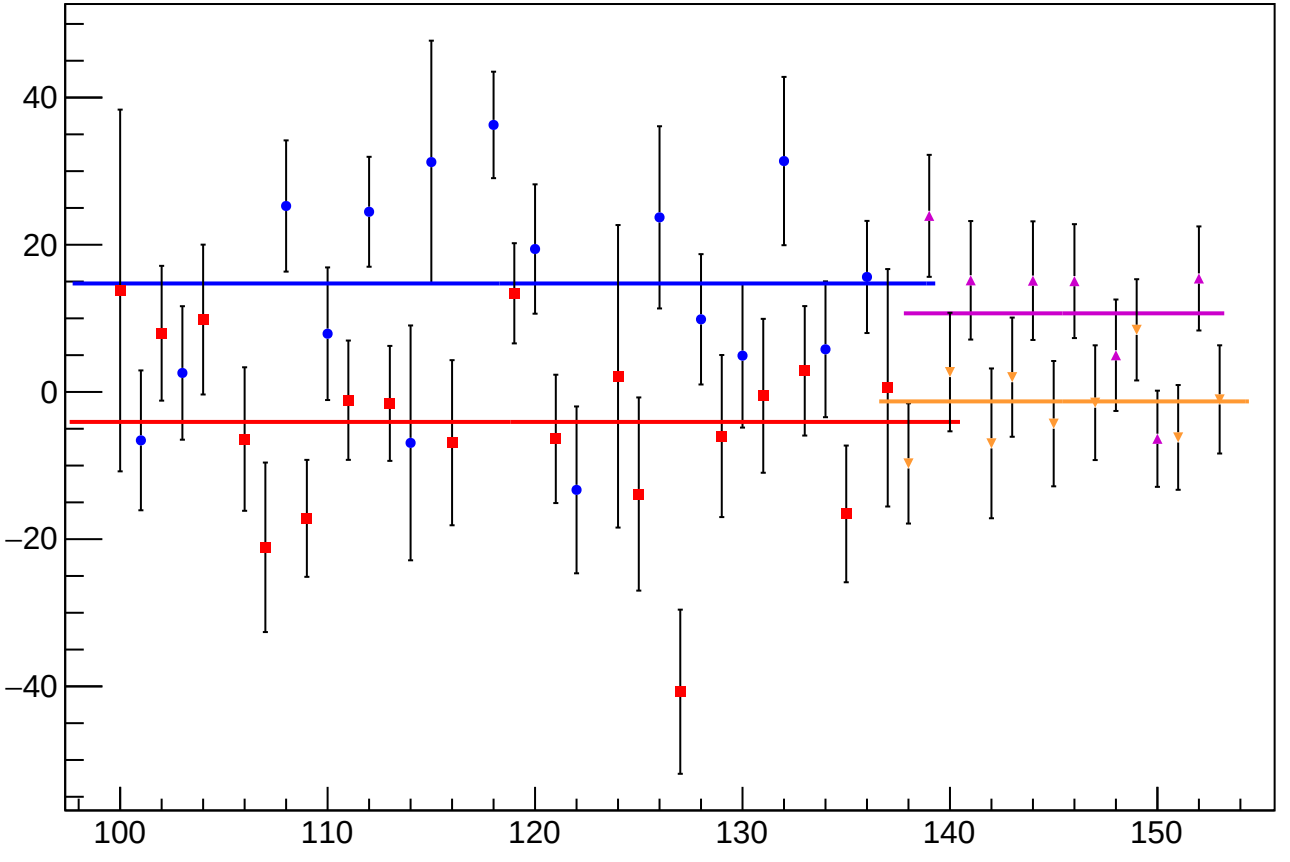
Left In: 1572.311+/-0.451 χ^2/NDF:69498.6/6

+ sign 1712.413+/-0.326 χ^2/NDF: 999290.4/24

All: 1729.207+/-0.235 χ^2/NDF: 1787309.7/50

- sign 1747.405+/-0.340 χ^2/NDF: 782505.0/25

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -1.284+/-2.626 χ^2/NDF:4.4/8

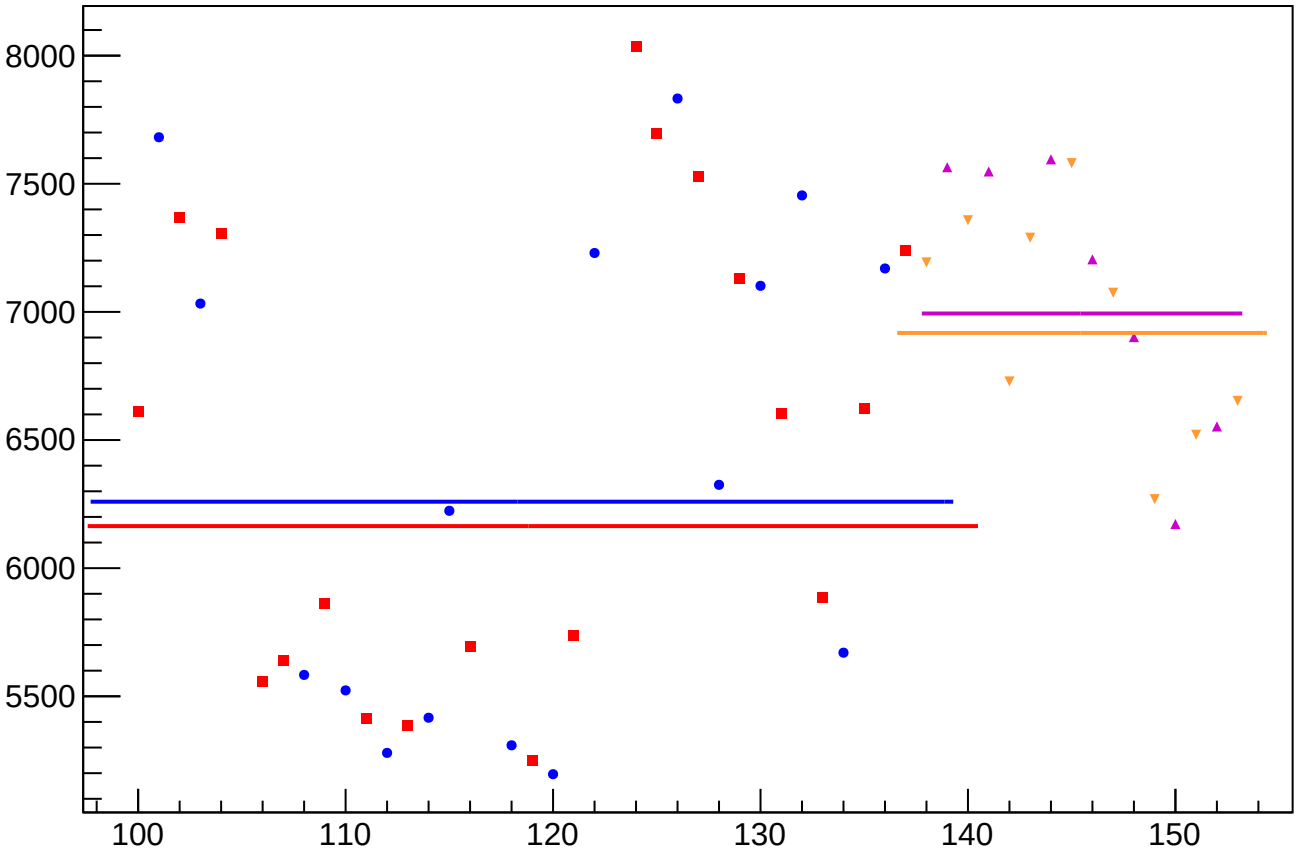
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 10.681+/-2.852 χ^2/NDF:11.3/6

+ sign 7.589+/-1.754 χ^2/NDF: 58.5/24

All: 4.665+/-1.249 χ^2/NDF: 122.0/50

- sign 1.662+/-1.778 χ^2/NDF: 57.8/25



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6917.922+/-1.857 χ^2/NDF:52685.6/8

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

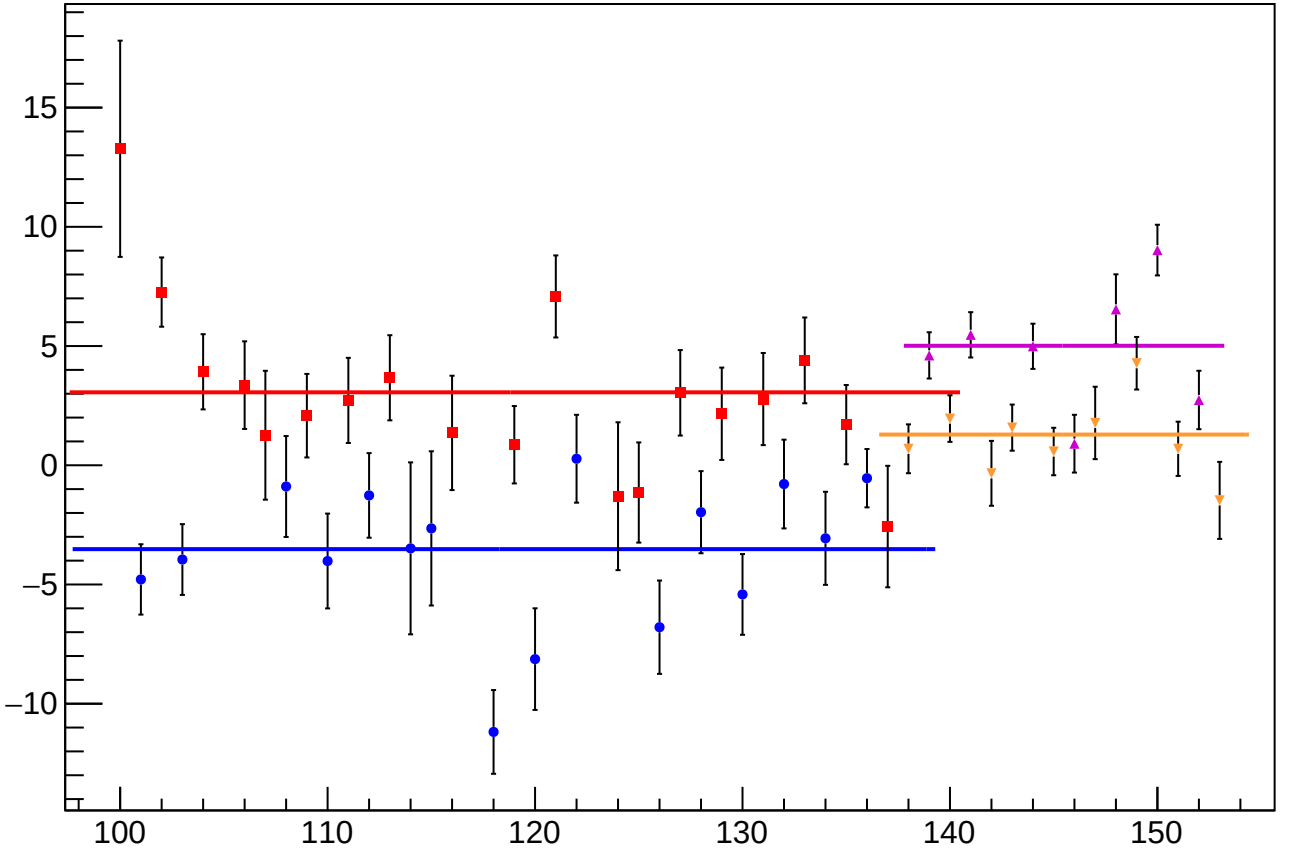
Left In: 6993.770+/-2.017 χ^2/NDF:71292.1/6

+ sign 6553.259+/-1.241 χ^2/NDF: 430915.6/24

All: 6520.352+/-0.883 χ^2/NDF: 872171.3/50

- sign 6486.561+/-1.257 χ^2/NDF: 439829.7/25

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.288+/-0.377 χ^2/NDF:13.5/8

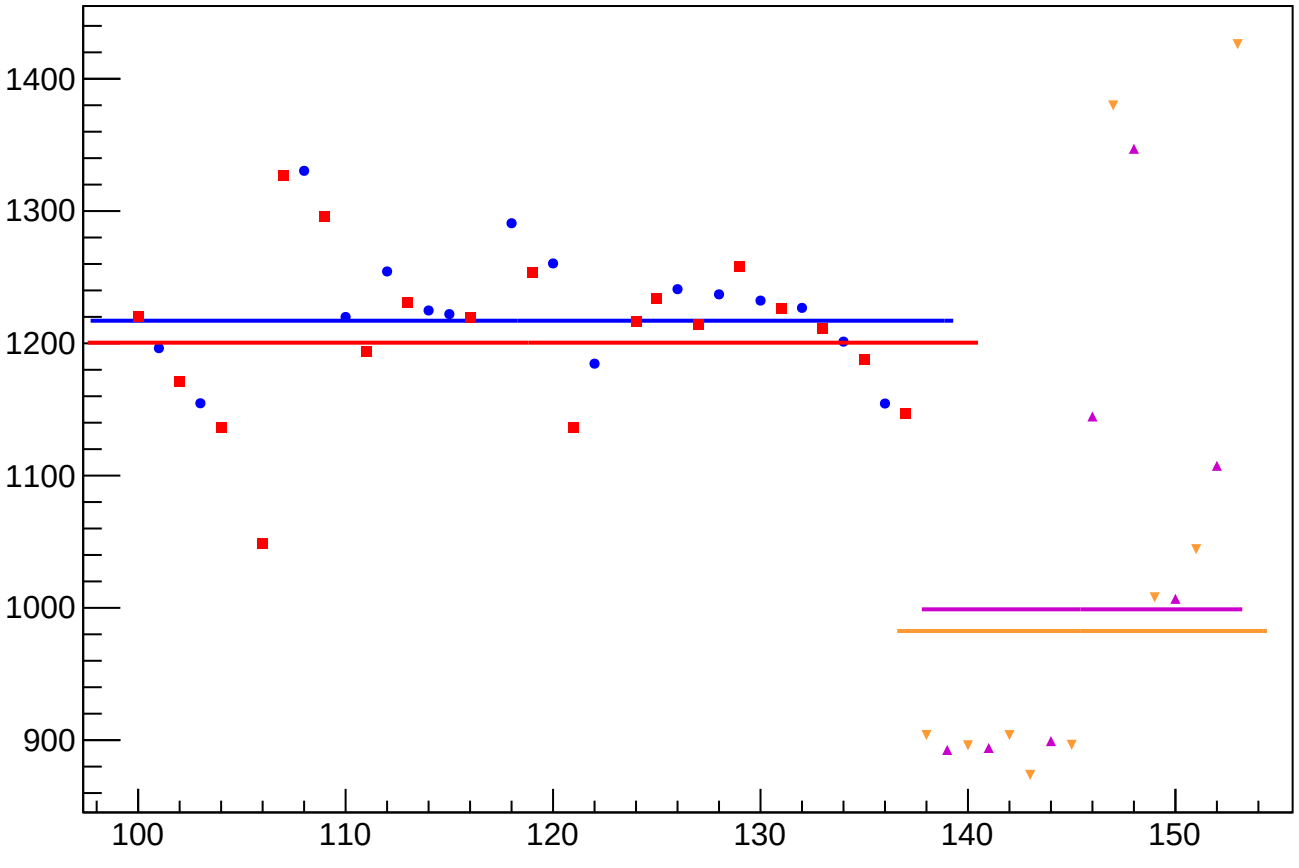
Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: 5.011+/-0.409 χ^2/NDF:30.7/6

+ sign -0.682+/-0.290 χ^2/NDF: 125.2/24

All: 1.634+/-0.208 χ^2/NDF: 333.3/50

- sign 4.103+/-0.299 χ^2/NDF: 76.1/25



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 982.506+/-0.267 χ^2/NDF:369331.4/8

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

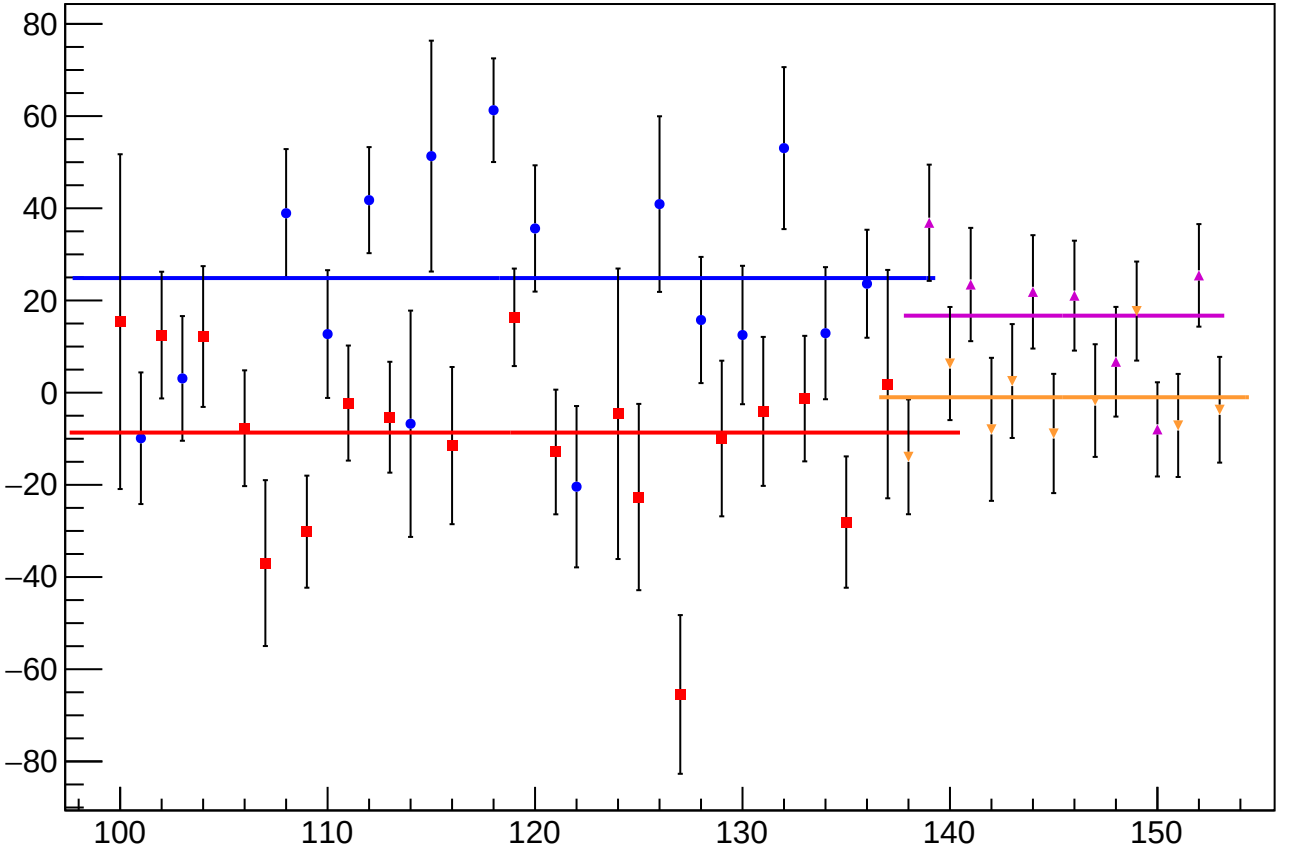
Left In: 998.898+/-0.289 χ^2/NDF:227367.4/6

+ sign 1078.672+/-0.205 χ^2/NDF: 708321.8/24

All: 1085.476+/-0.147 χ^2/NDF: 1201768.4/50

- sign 1092.727+/-0.211 χ^2/NDF: 491167.4/25

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -0.994+/-4.058 χ^2/NDF:5.5/8

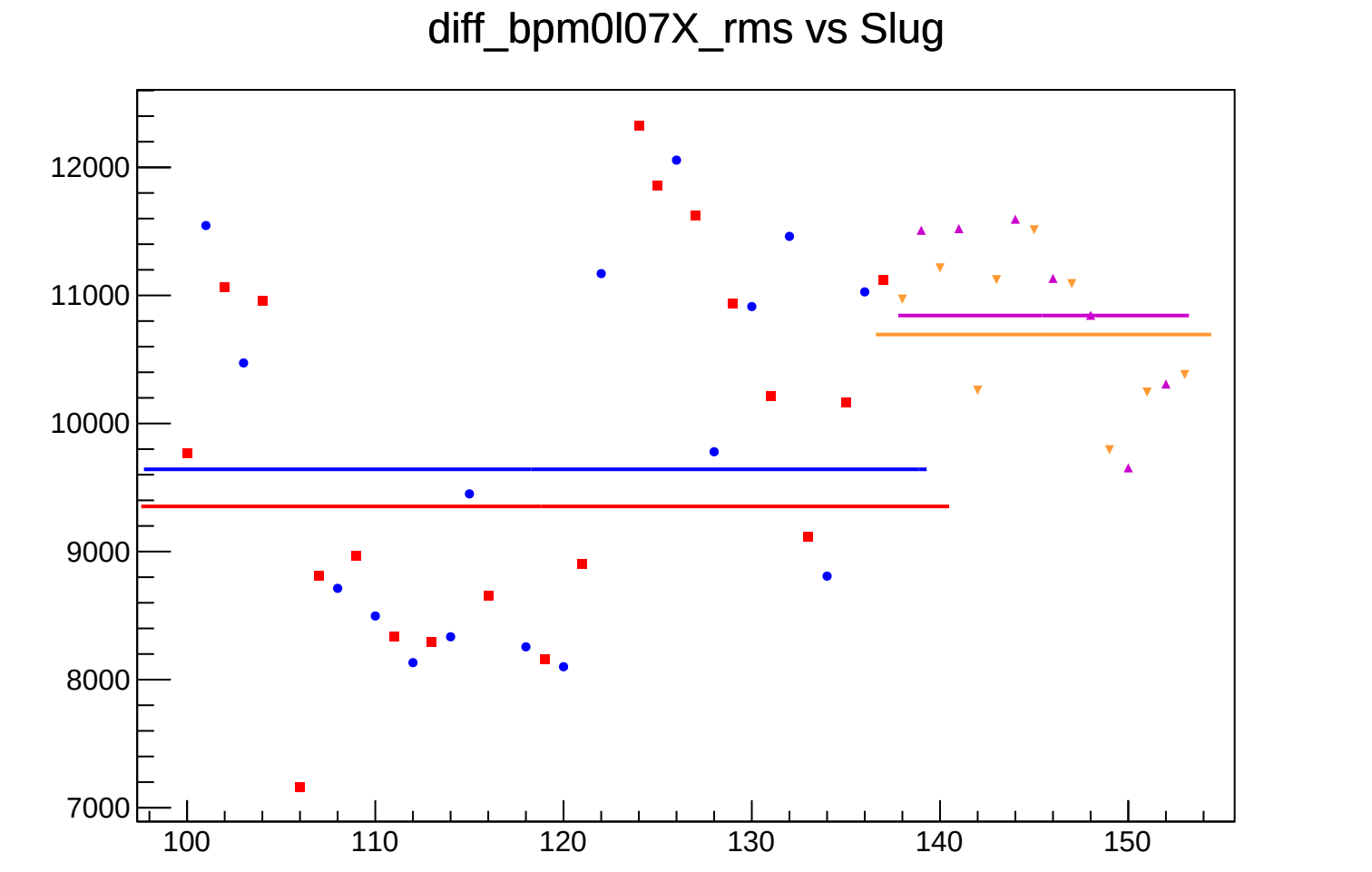
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 16.704+/-4.416 χ^2/NDF:10.3/6

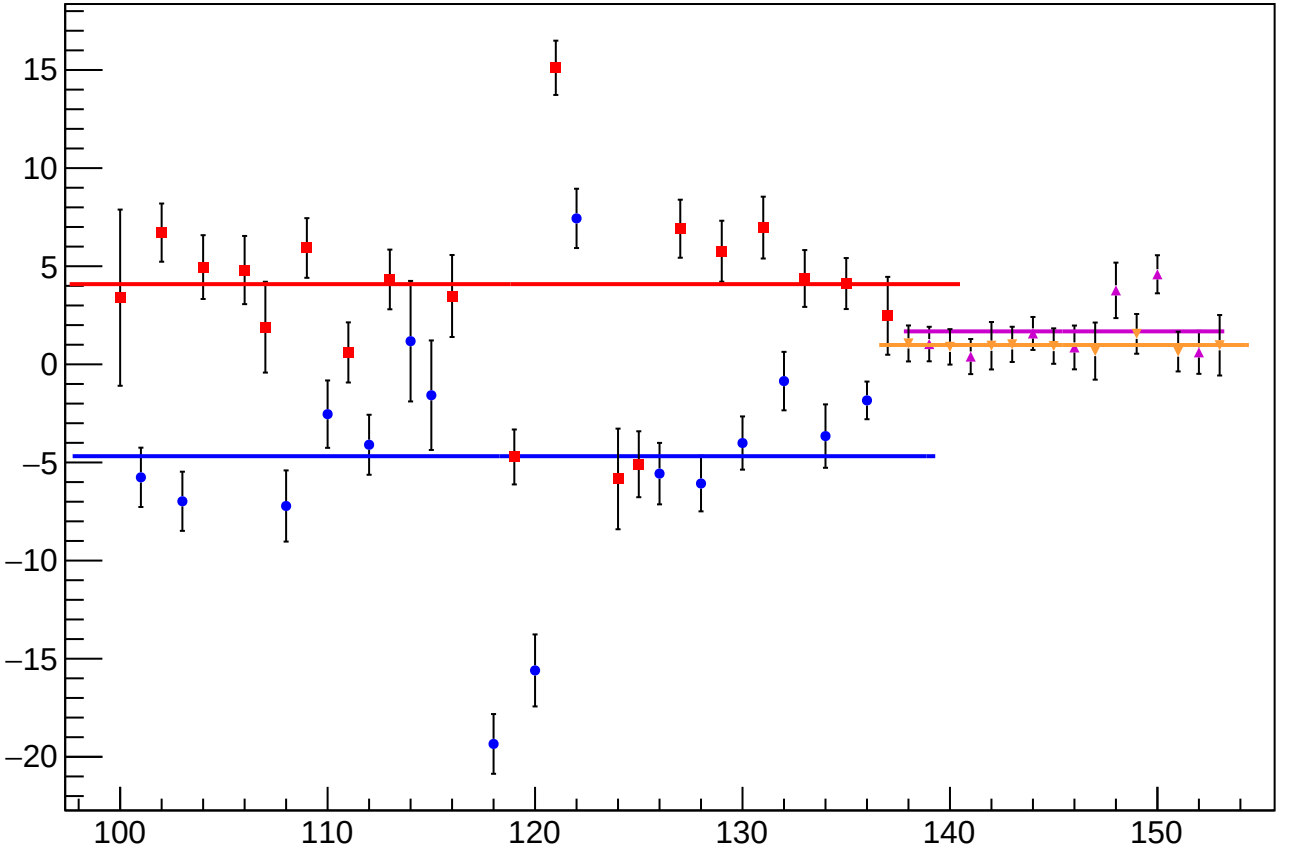
+ sign 13.376+/-2.705 χ^2/NDF: 66.2/24

All: 7.207+/-1.918 χ^2/NDF: 137.6/50

- sign 0.966+/-2.721 χ^2/NDF: 60.9/25


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 10694.875+/-2.870 χ²/NDF:37411.2/8
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 10843.061+/-3.123 χ²/NDF:52044.1/6
+ sign 10109.733+/-1.913 χ²/NDF: 391882.0/24
All: 10014.505+/-1.356 χ²/NDF: 892064.3/50
- sign 9918.157+/-1.924 χ²/NDF: 495194.6/25

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.986+/-0.345 χ^2/NDF:0.5/8

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

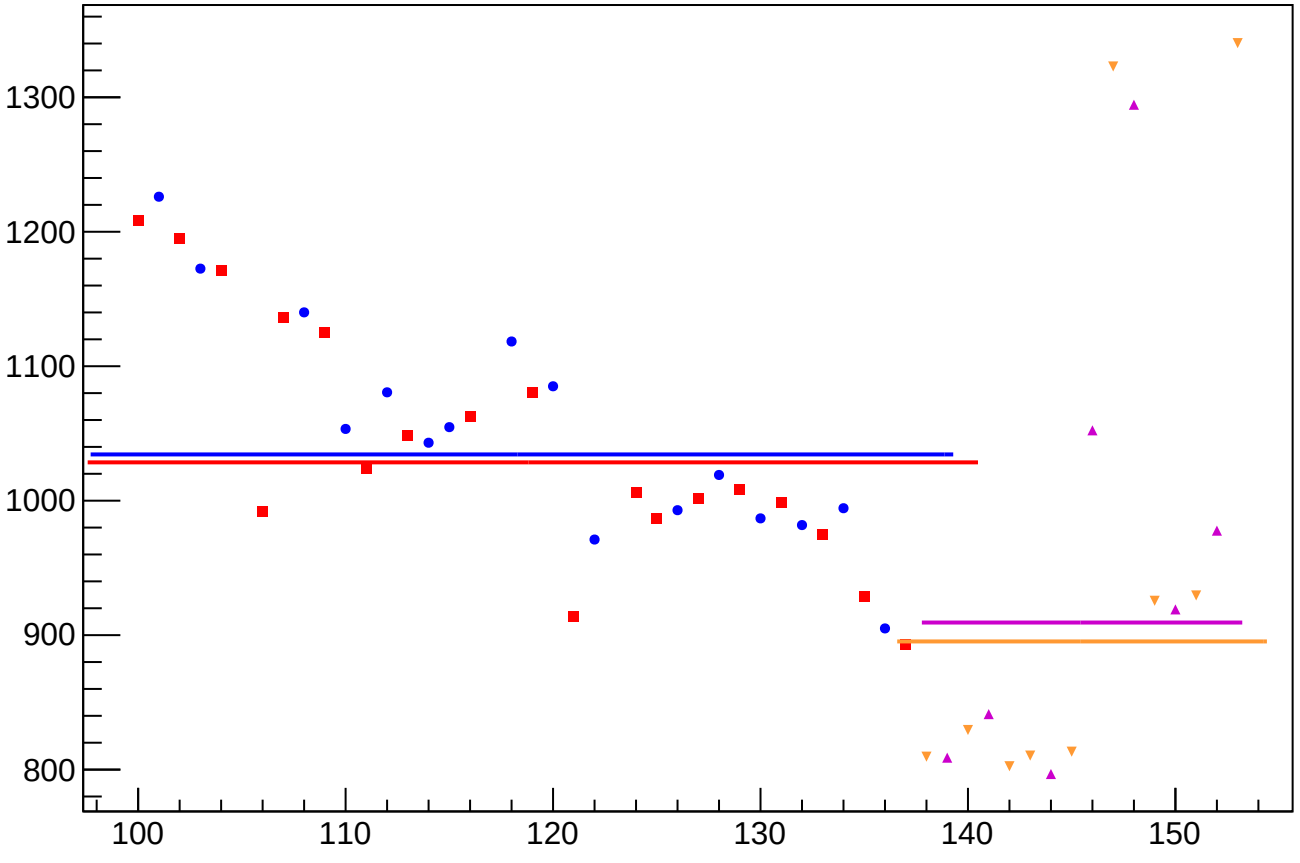
Left In: 1.680+/-0.374 χ^2/NDF:15.3/6

\+ sign -1.530+/-0.257 χ^2/NDF: 341.6/24

All: 0.604+/-0.185 χ^2/NDF: 687.8/50

\- sign 2.875+/-0.265 χ^2/NDF: 203.9/25

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 895.320+/-0.244 χ^2/NDF:417917.3/8

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

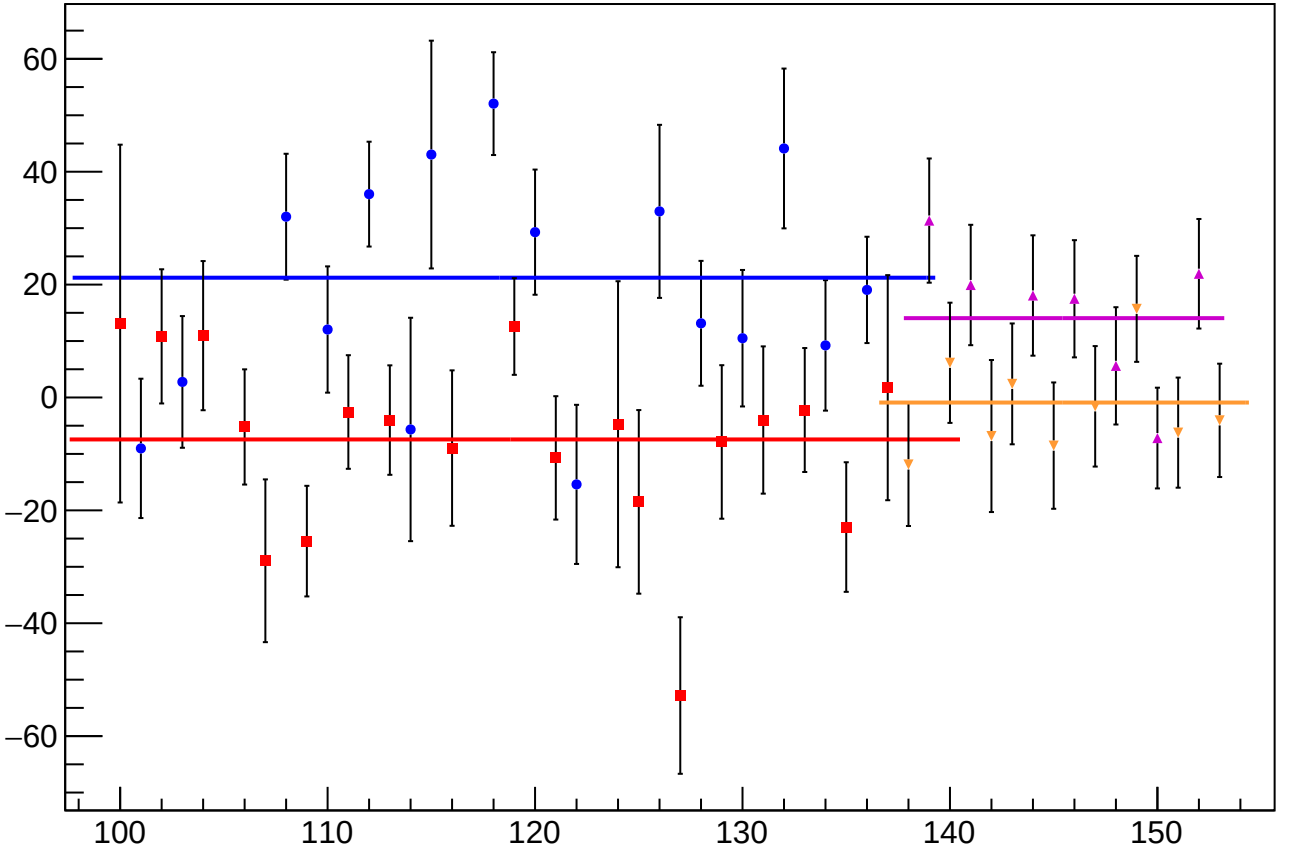
Left In: 909.381+/-0.264 χ^2/NDF:263022.0/6

+ sign 957.076+/-0.182 χ^2/NDF: 675722.1/24

All: 962.619+/-0.131 χ^2/NDF: 1143160.0/50

- sign 968.518+/-0.188 χ^2/NDF: 465518.5/25

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -0.897+/-3.536 χ^2/NDF:5.7/8

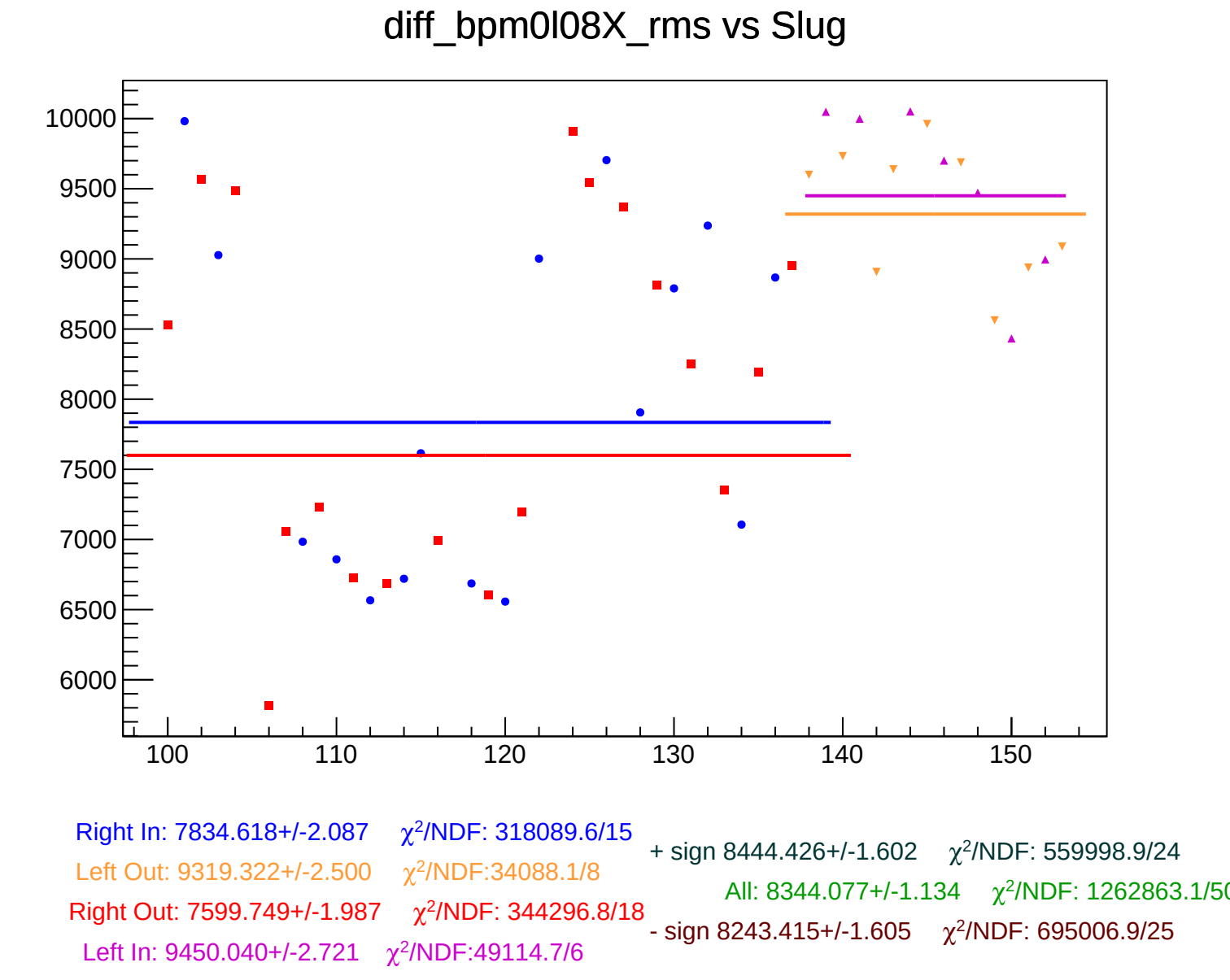
Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: 14.057+/-3.848 χ^2/NDF:10.0/6

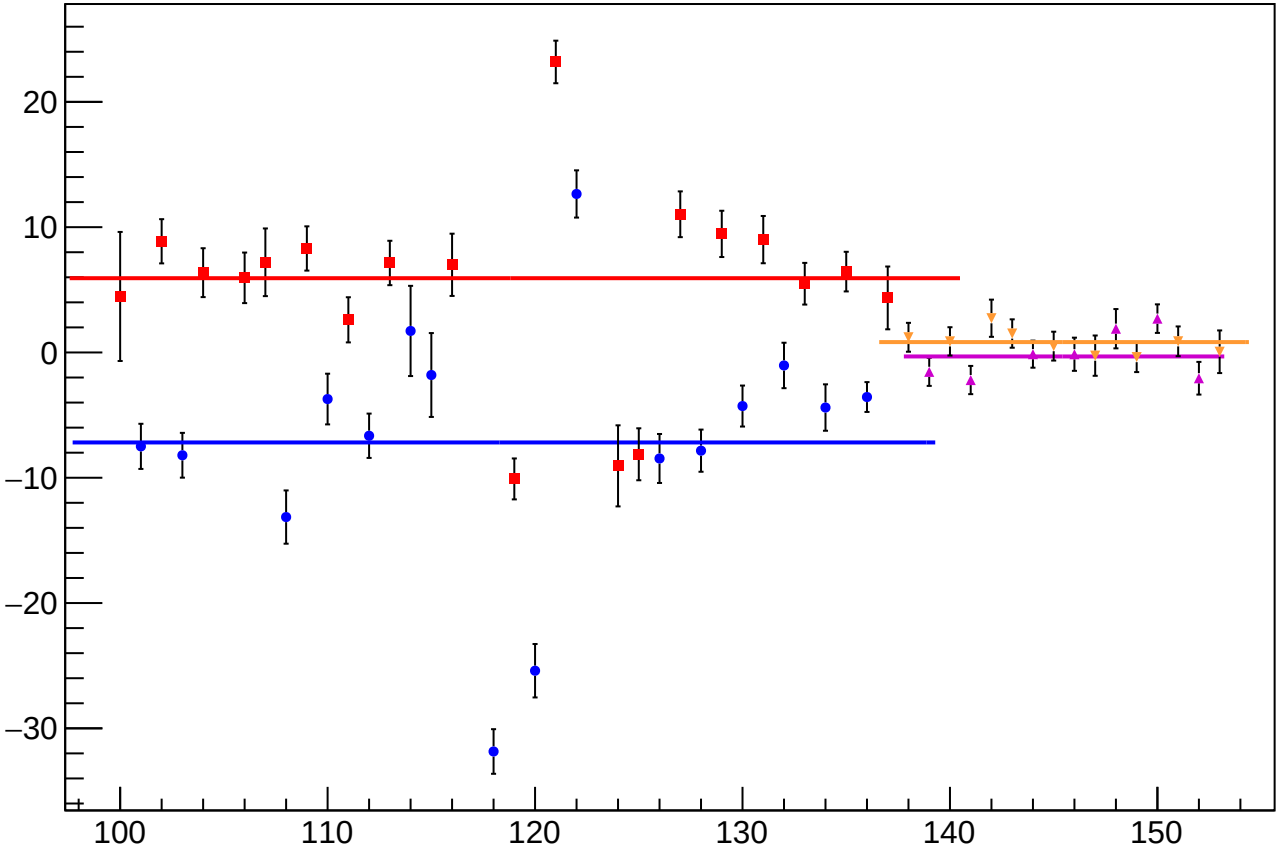
+ sign 12.137+/-2.266 χ^2/NDF: 68.9/24

All: 6.099+/-1.603 χ^2/NDF: 143.2/50

- sign 0.041+/-2.269 χ^2/NDF: 60.2/25


diff_bpm0l08X_rms vs Slug
10000
9500
9000
8500
8000
7500
7000
6500
6000
100
110
120
130
140
150
Right In: 7834.618+/-2.087 χ²/NDF: 318089.6/15
Left Out: 9319.322+/-2.500 χ²/NDF:34088.1/8
Right Out: 7599.749+/-1.987 χ²/NDF: 344296.8/18
Left In: 9450.040+/-2.721 χ²/NDF:49114.7/6
+ sign 8444.426+/-1.602 χ²/NDF: 559998.9/24
All: 8344.077+/-1.134 χ²/NDF: 1262863.1/50
- sign 8243.415+/-1.605 χ²/NDF: 695006.9/25

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.828+/-0.420 χ^2/NDF:3.9/8

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

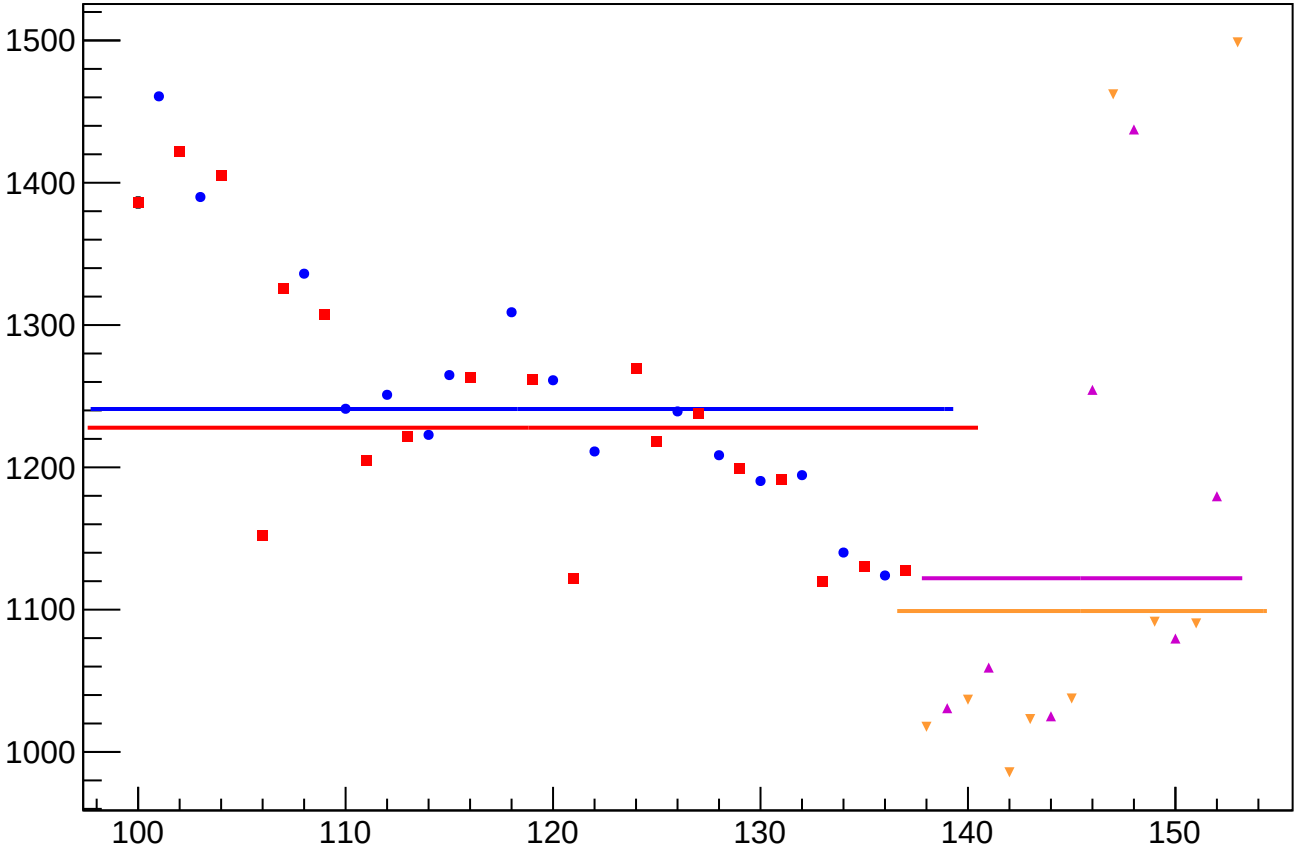
Left In: -0.319+/-0.458 χ^2/NDF:14.8/6

\+ sign -2.795+/-0.311 χ^2/NDF: 590.6/24

All: -0.052+/-0.223 χ^2/NDF: 1151.1/50

\- sign 2.864+/-0.321 χ^2/NDF: 400.0/25

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1099.034+/-0.297 χ^2/NDF:254764.7/8

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

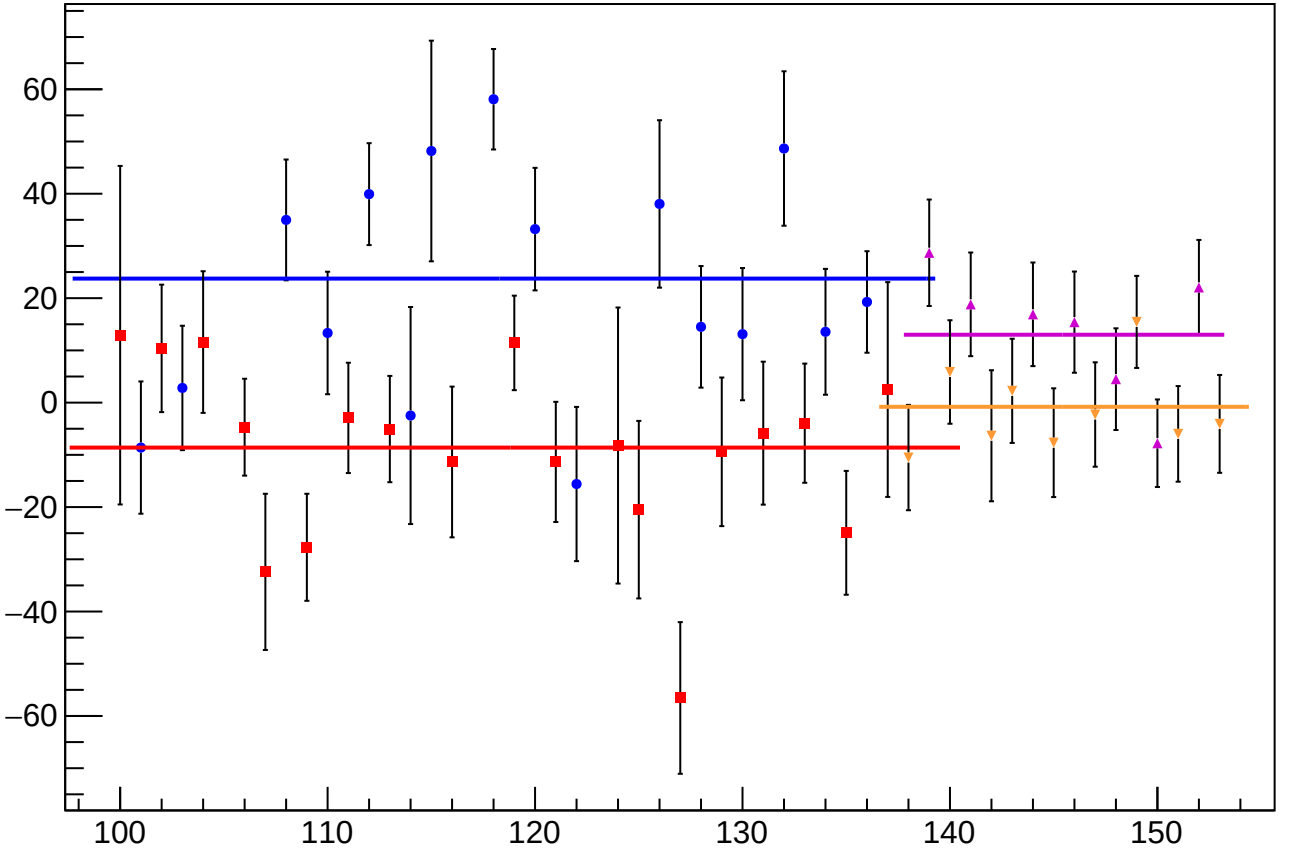
Left In: 1122.072+/-0.324 χ^2/NDF:143059.2/6

+ sign 1163.250+/-0.220 χ^2/NDF: 438710.4/24

All: 1169.417+/-0.158 χ^2/NDF: 720153.8/50

- sign 1175.973+/-0.227 χ^2/NDF: 279820.3/25

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -0.803+/-3.300 χ^2/NDF:6.0/8

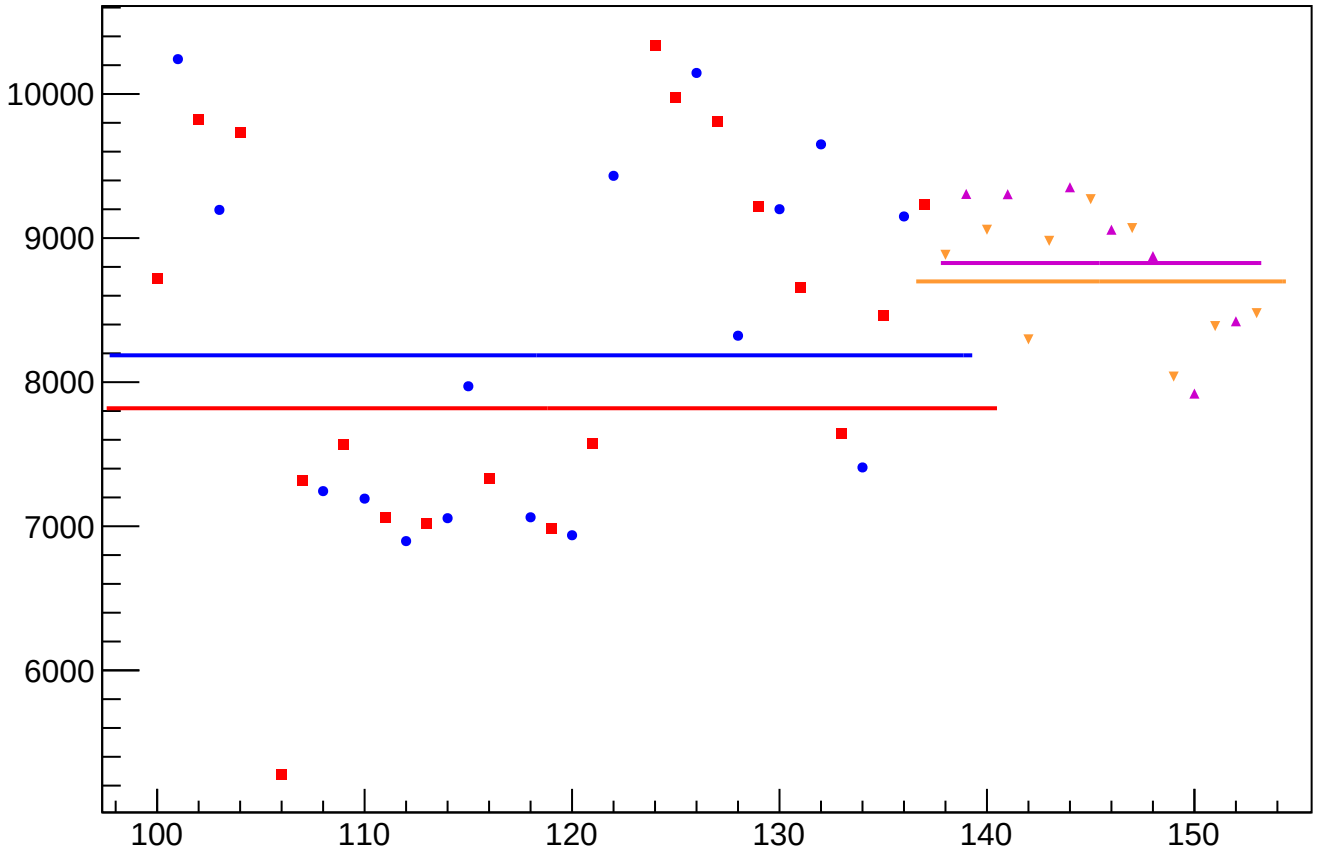
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 12.999+/-3.593 χ^2/NDF:10.8/6

+ sign 12.312+/-2.252 χ^2/NDF: 79.0/24

All: 6.123+/-1.594 χ^2/NDF: 157.3/50

- sign -0.088+/-2.256 χ^2/NDF: 63.2/25



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8699.257+/-2.333 χ^2/NDF:30321.9/8

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

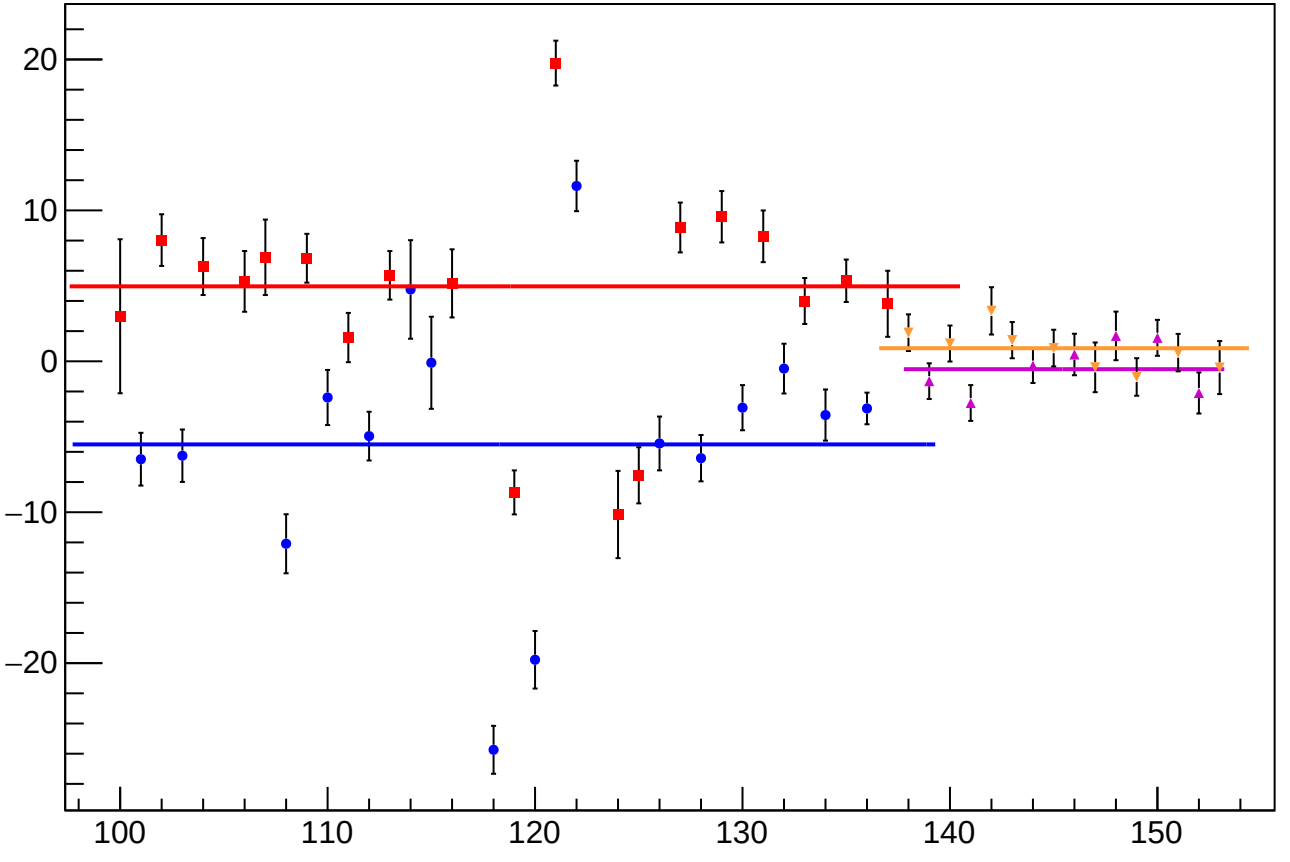
Left In: 8826.953+/-2.540 χ^2/NDF:43193.3/6

+ sign 8425.285+/-1.592 χ^2/NDF: 346762.7/24

All: 8321.060+/-1.127 χ^2/NDF: 916886.7/50

- sign 8216.463+/-1.595 χ^2/NDF: 561541.7/25

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.867+/-0.441 χ^2/NDF:7.0/8

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

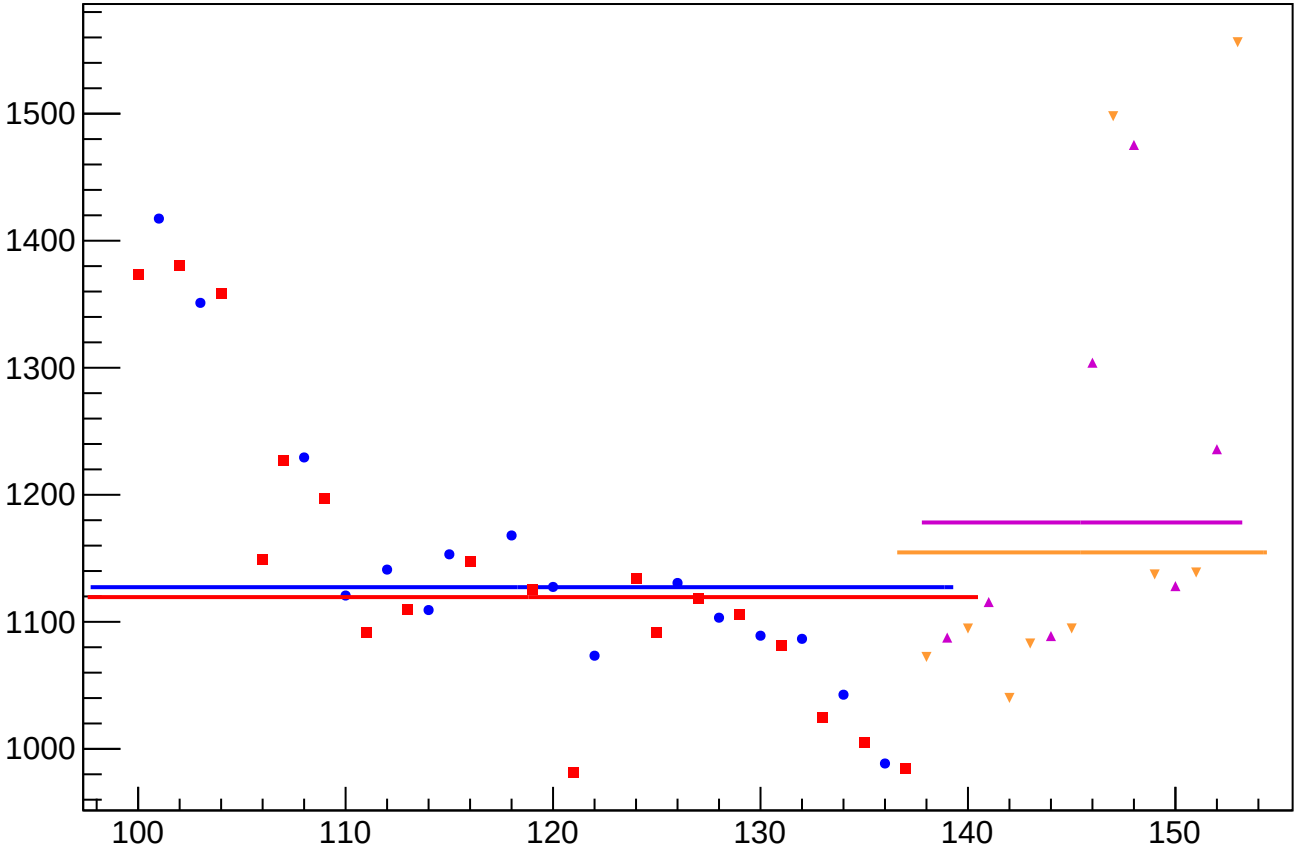
Left In: -0.522+/-0.480 χ^2/NDF:10.8/6

+ sign -2.466+/-0.304 χ^2/NDF: 486.2/24

All: 0.029+/-0.218 χ^2/NDF: 997.7/50

- sign 2.649+/-0.312 χ^2/NDF: 373.7/25

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1154.653+/-0.312 χ^2/NDF:228832.8/8

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

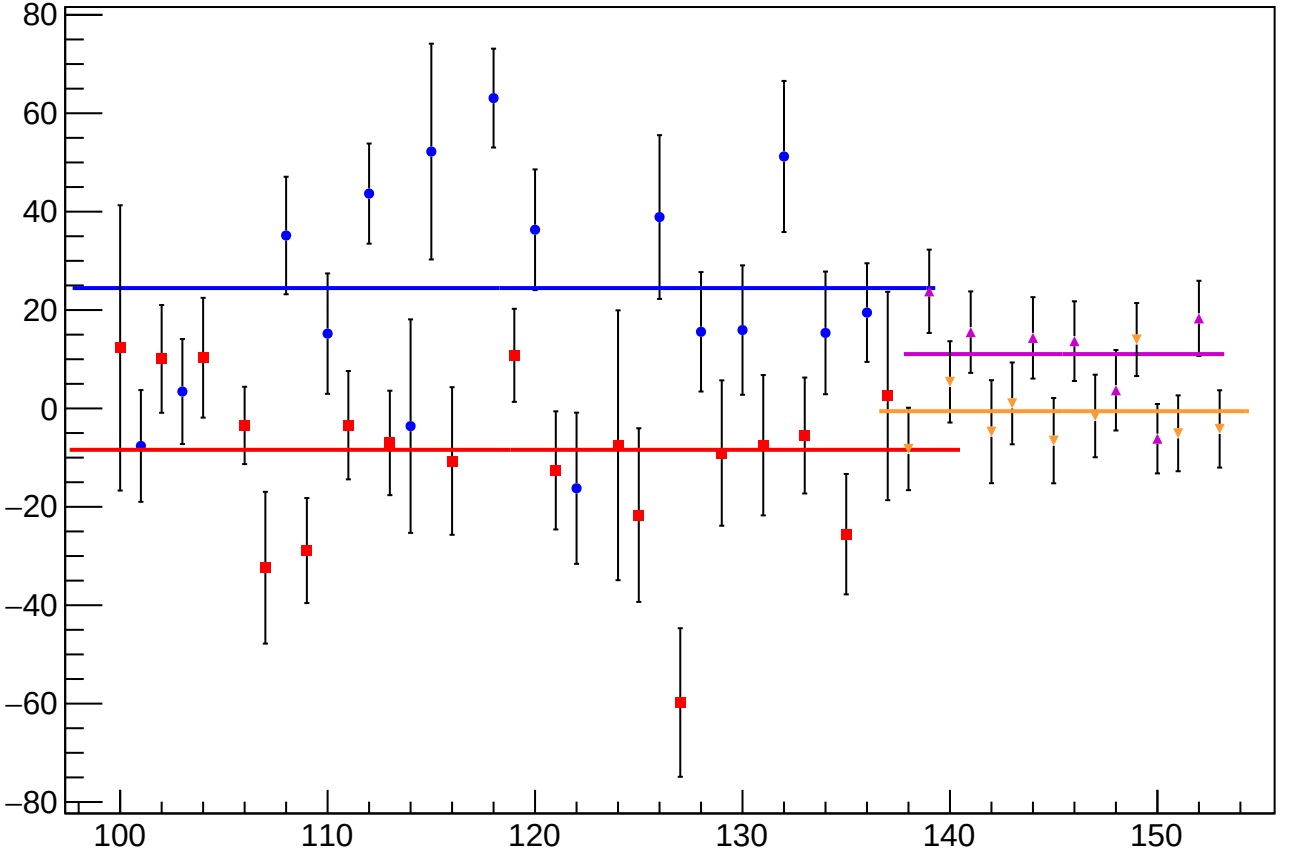
Left In: 1178.214+/-0.339 χ^2/NDF:121404.0/6

+ sign 1140.342+/-0.215 χ^2/NDF: 373481.0/24

All: 1142.261+/-0.154 χ^2/NDF: 653090.0/50

- sign 1144.276+/-0.221 χ^2/NDF: 279445.9/25

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -0.561+/-2.761 χ^2/NDF:6.4/8

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

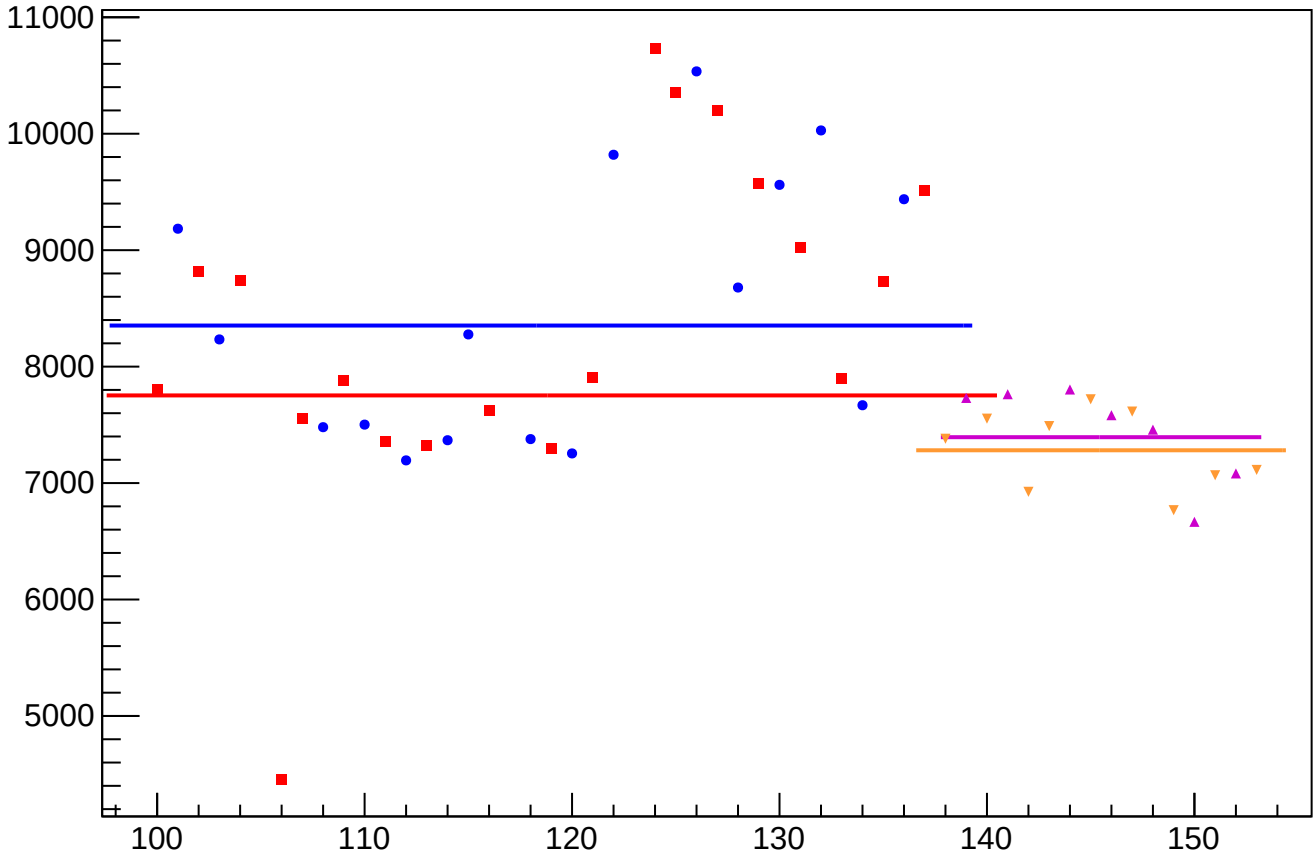
Left In: 11.050+/-3.008 χ^2/NDF:10.5/6

+ sign 10.367+/-2.072 χ^2/NDF: 90.6/24

All: 5.676+/-1.470 χ^2/NDF: 164.3/50

- sign 0.932+/-2.084 χ^2/NDF: 63.4/25

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7281.574+/-1.953 χ^2/NDF:26336.2/8

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

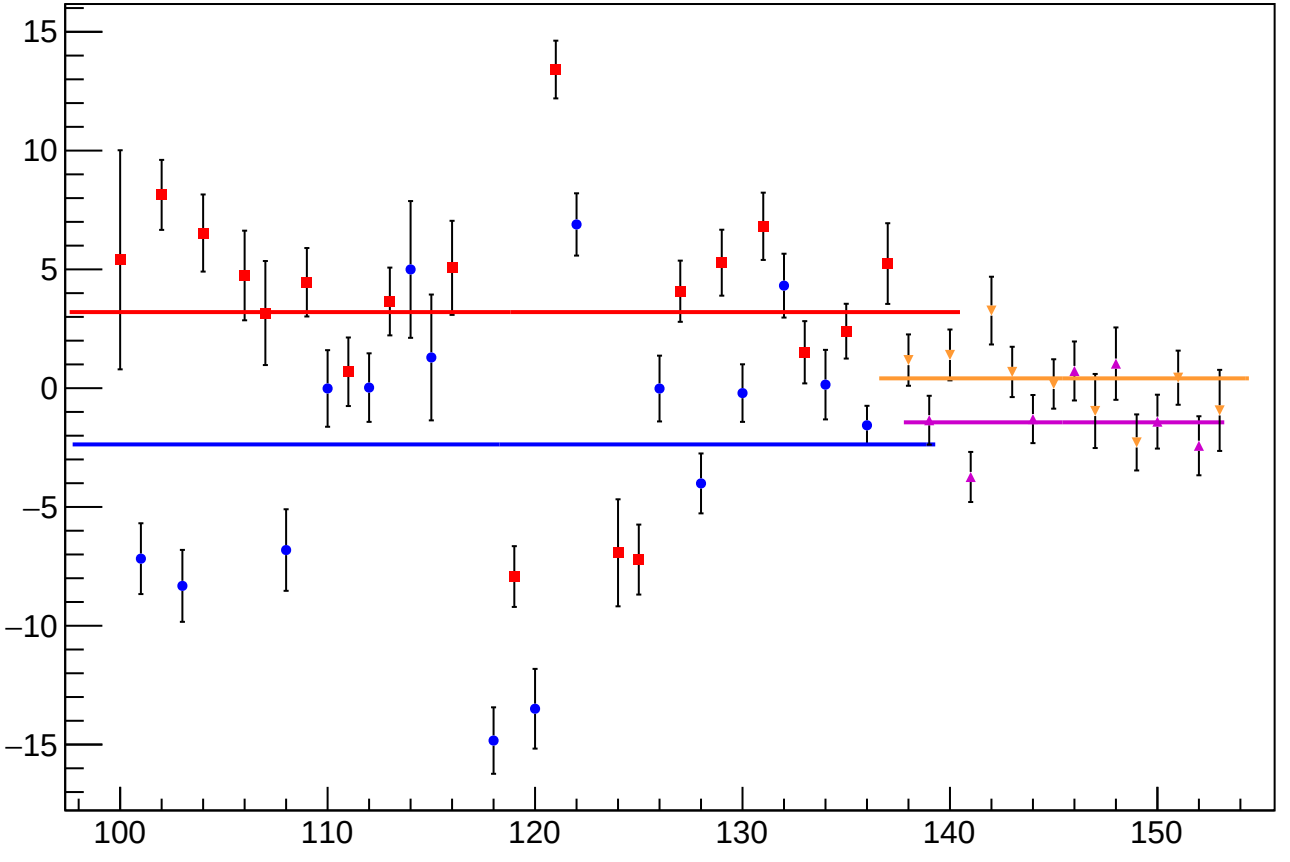
Left In: 7394.015+/-2.127 χ^2/NDF:37783.2/6

+ sign 7749.364+/-1.465 χ^2/NDF: 378181.3/24

All: 7665.411+/-1.039 χ^2/NDF: 1025417.6/5

- sign 7580.481+/-1.474 χ^2/NDF: 640634.3/25

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.413+/-0.399 χ^2/NDF:12.1/8

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

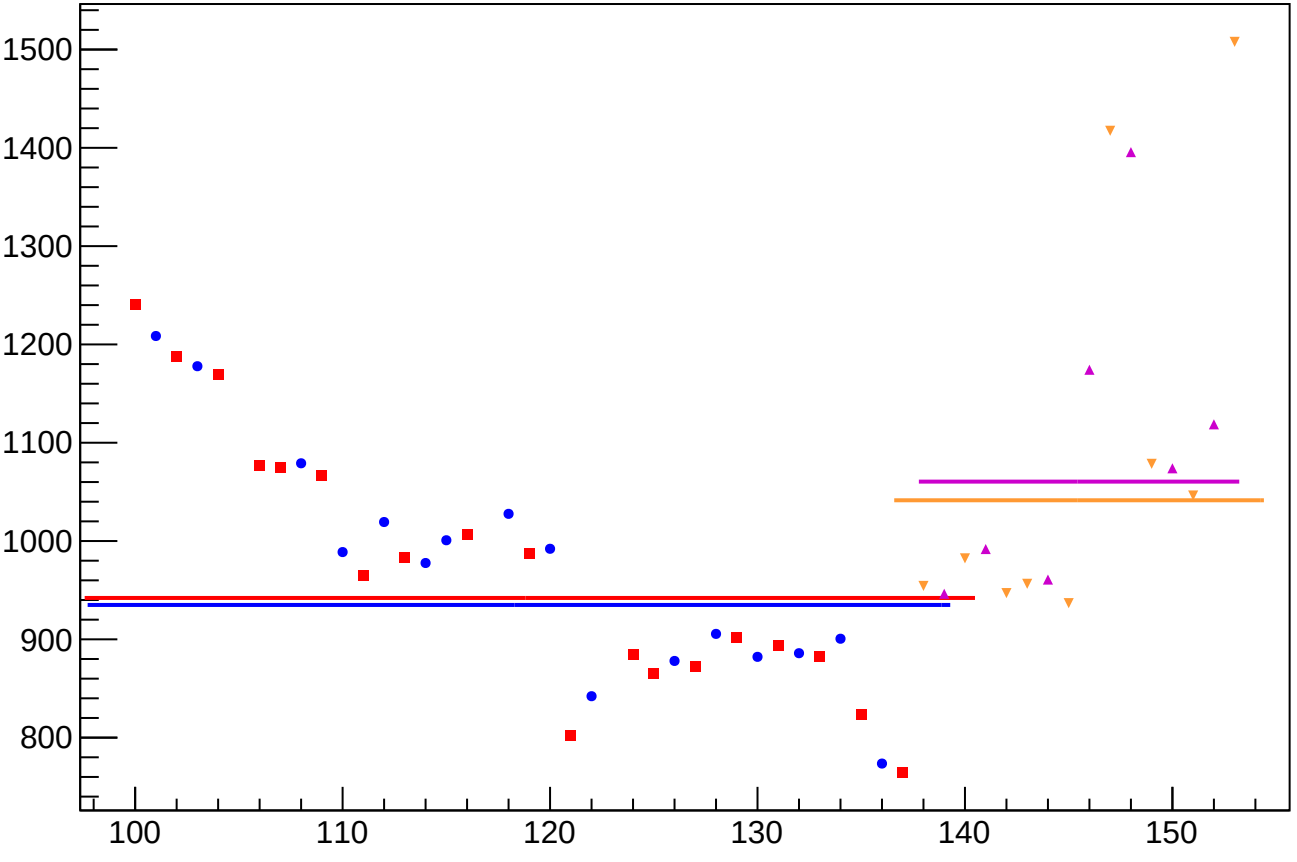
Left In: -1.438+/-0.433 χ^2/NDF:11.1/6

+ sign -1.157+/-0.263 χ^2/NDF: 295.1/24

All: 0.084+/-0.189 χ^2/NDF: 672.3/50

- sign 1.394+/-0.271 χ^2/NDF: 331.5/25

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1041.456+/-0.282 χ^2/NDF:328669.2/8

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

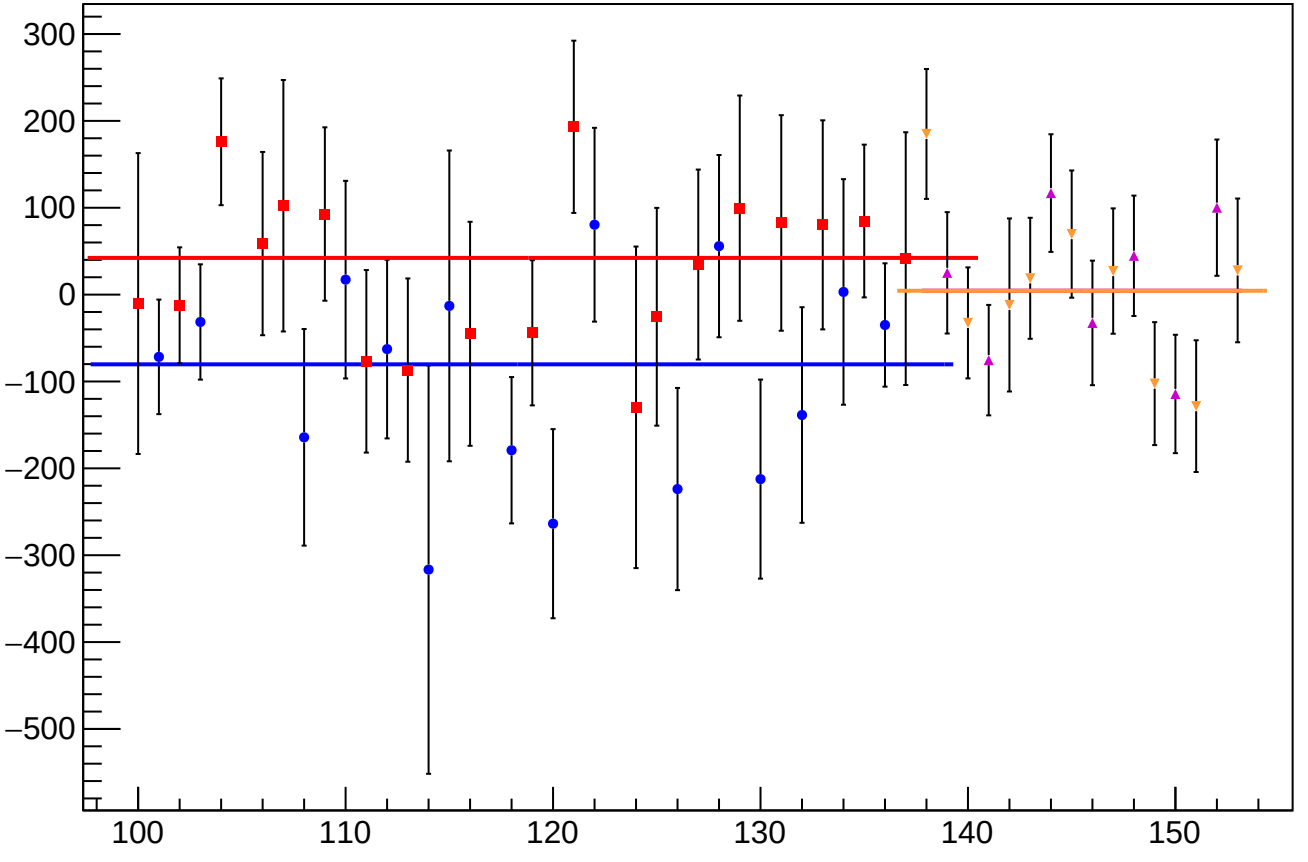
Left In: 1060.443+/-0.306 χ^2/NDF:170725.4/6

+ sign 981.349+/-0.186 χ^2/NDF: 663444.8/24

All: 984.690+/-0.133 χ^2/NDF: 1158284.6/50

- sign 988.219+/-0.191 χ^2/NDF: 494177.5/25

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 4.457+/-24.778 χ^2/NDF:12.6/8

Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

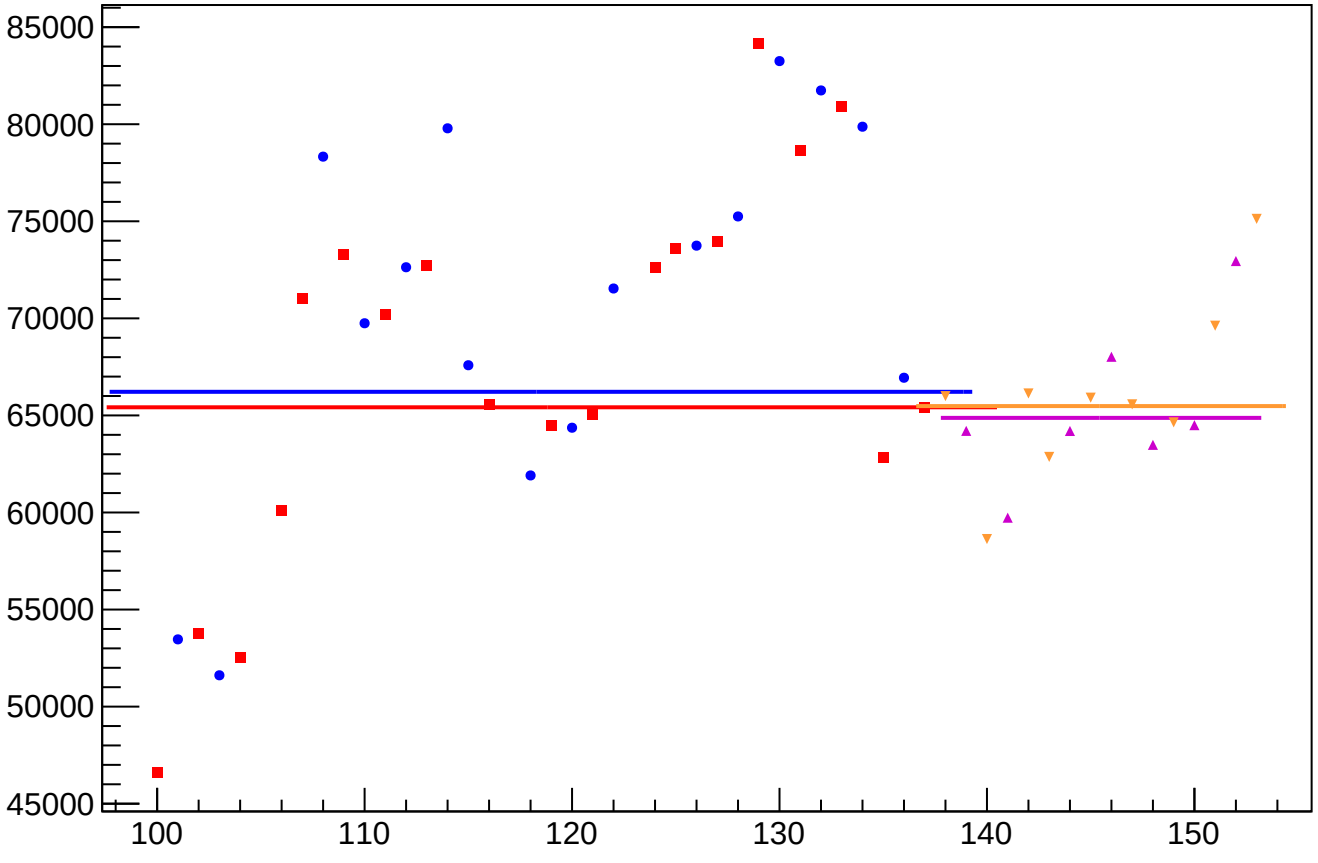
Left In: 4.531+/-26.252 χ^2/NDF:9.6/6

\+ sign -37.674+/-17.567 χ^2/NDF: 33.2/24

All: -6.713+/-12.493 χ^2/NDF: 63.1/50

\- sign 24.973+/-17.771 χ^2/NDF: 23.7/25

diff_bpm0r03X_rms vs Slug



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 65481.091+/-17.521 χ^2/NDF:59463.0/8

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

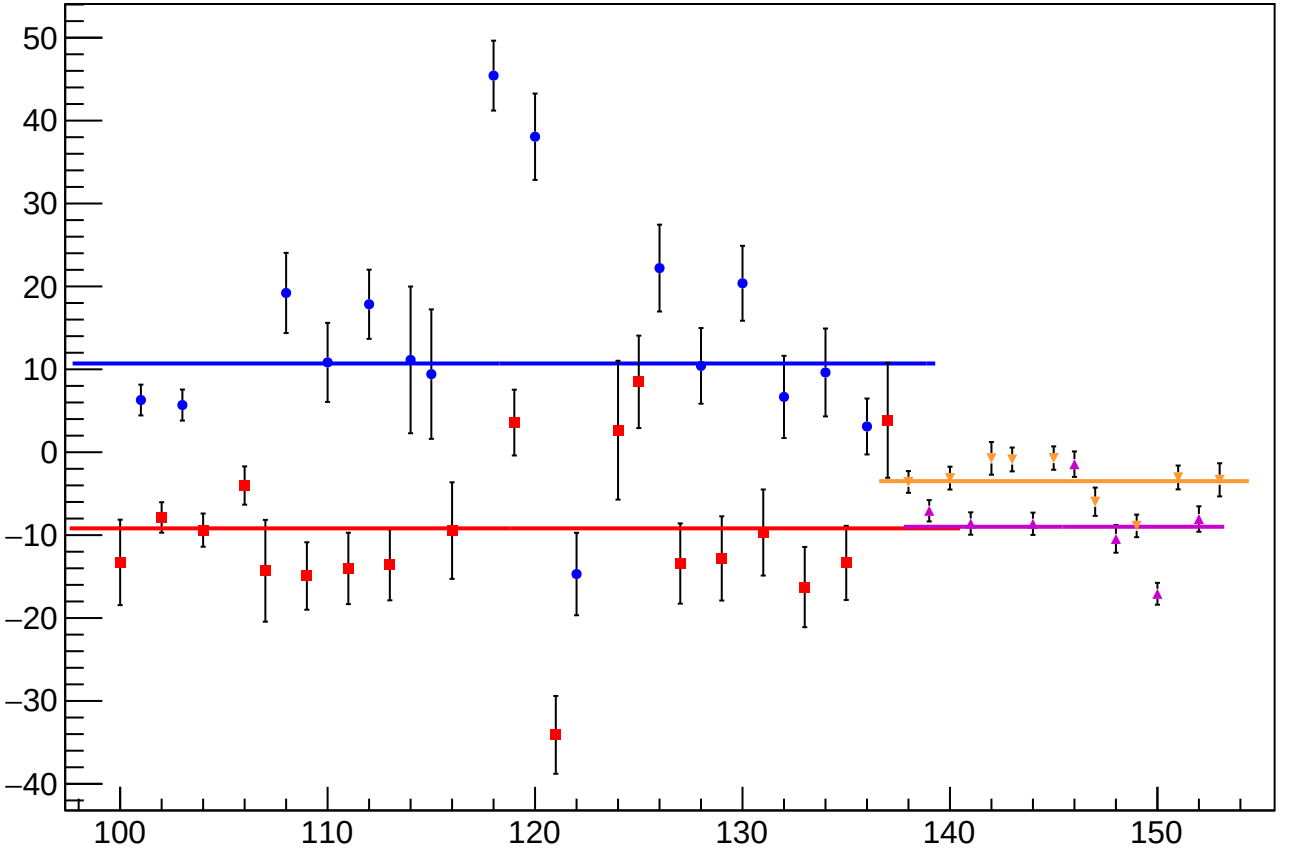
Left In: 64873.556+/-18.563 χ^2/NDF:39394.7/6

+ sign 65846.670+/-12.422 χ^2/NDF: 398715.9/24

All: 65511.653+/-8.834 χ^2/NDF: 744605.2/50

- sign 65168.797+/-12.566 χ^2/NDF: 344417.5/25

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.487+/-0.502 χ^2/NDF:27.2/8

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

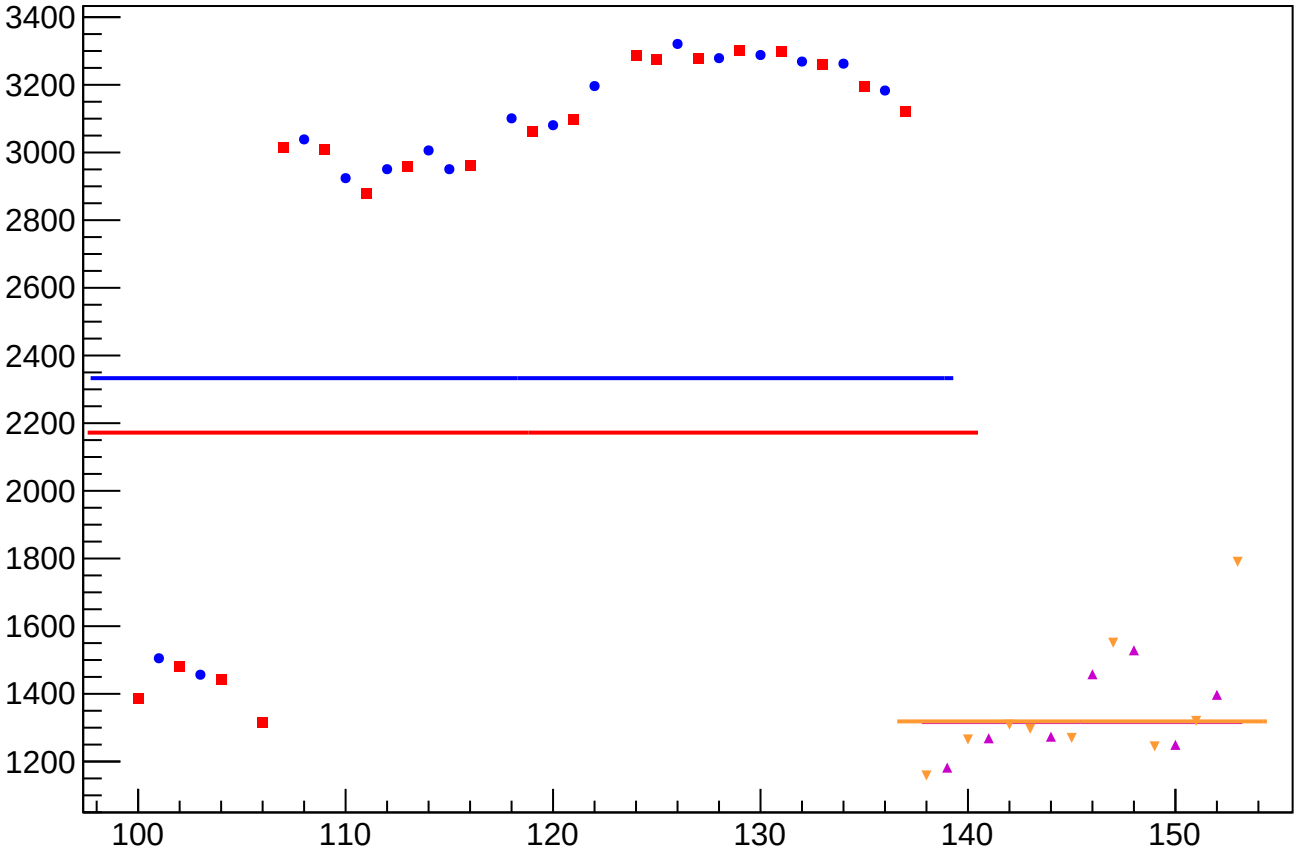
Left In: -8.991+/-0.535 χ^2/NDF:65.2/6

+ sign -0.235+/-0.441 χ^2/NDF: 365.9/24

All: -4.518+/-0.316 χ^2/NDF: 695.1/50

- sign -9.045+/-0.453 χ^2/NDF: 134.8/25

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1318.565+/-0.355 χ^2/NDF:189988.9/8

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

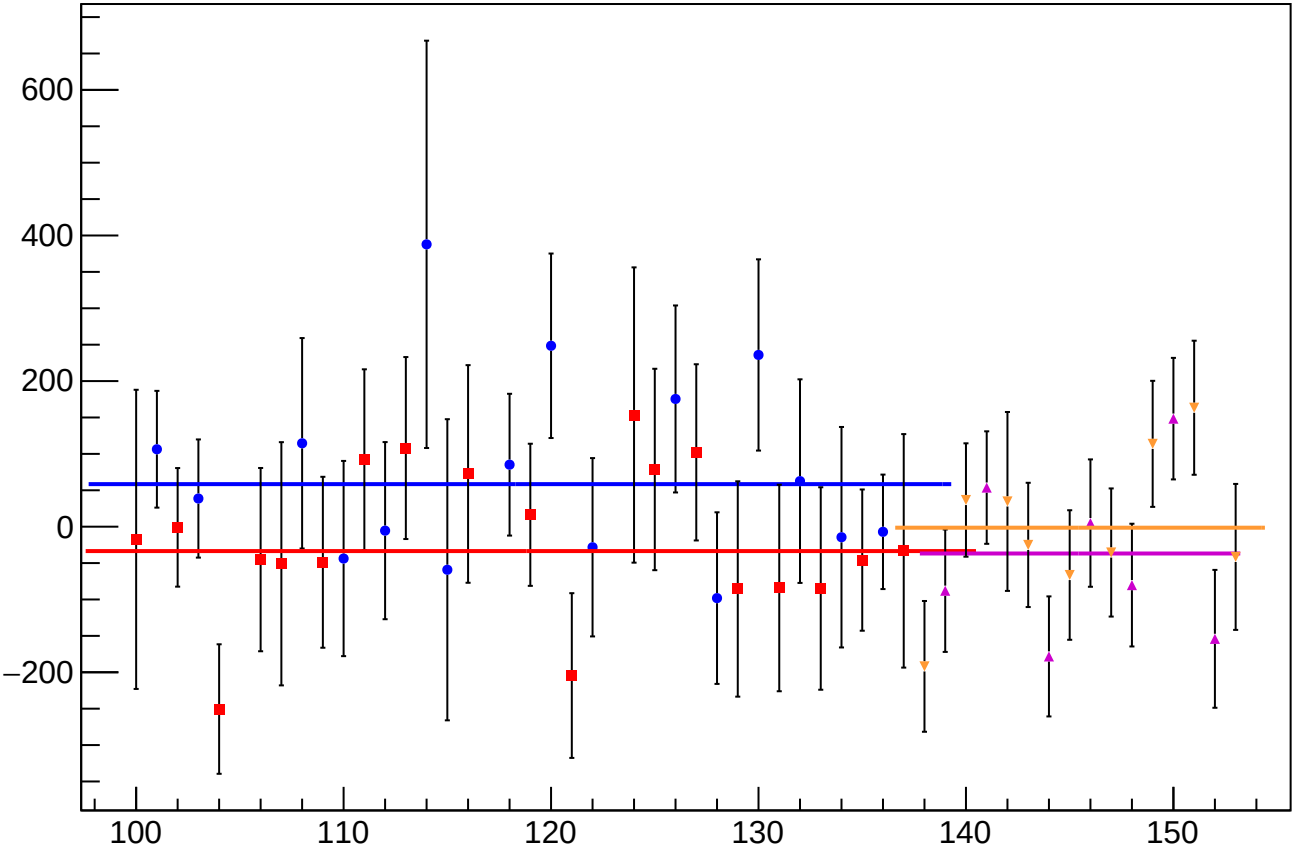
Left In: 1316.597+/-0.379 χ^2/NDF:86444.5/6

+ sign 1551.039+/-0.312 χ^2/NDF: 3713653.6/24

All: 1555.170+/-0.223 χ^2/NDF: 7234617.1/50

- sign 1559.536+/-0.320 χ^2/NDF: 3520602.0/25

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -1.399+/-30.171 χ^2/NDF:10.7/8

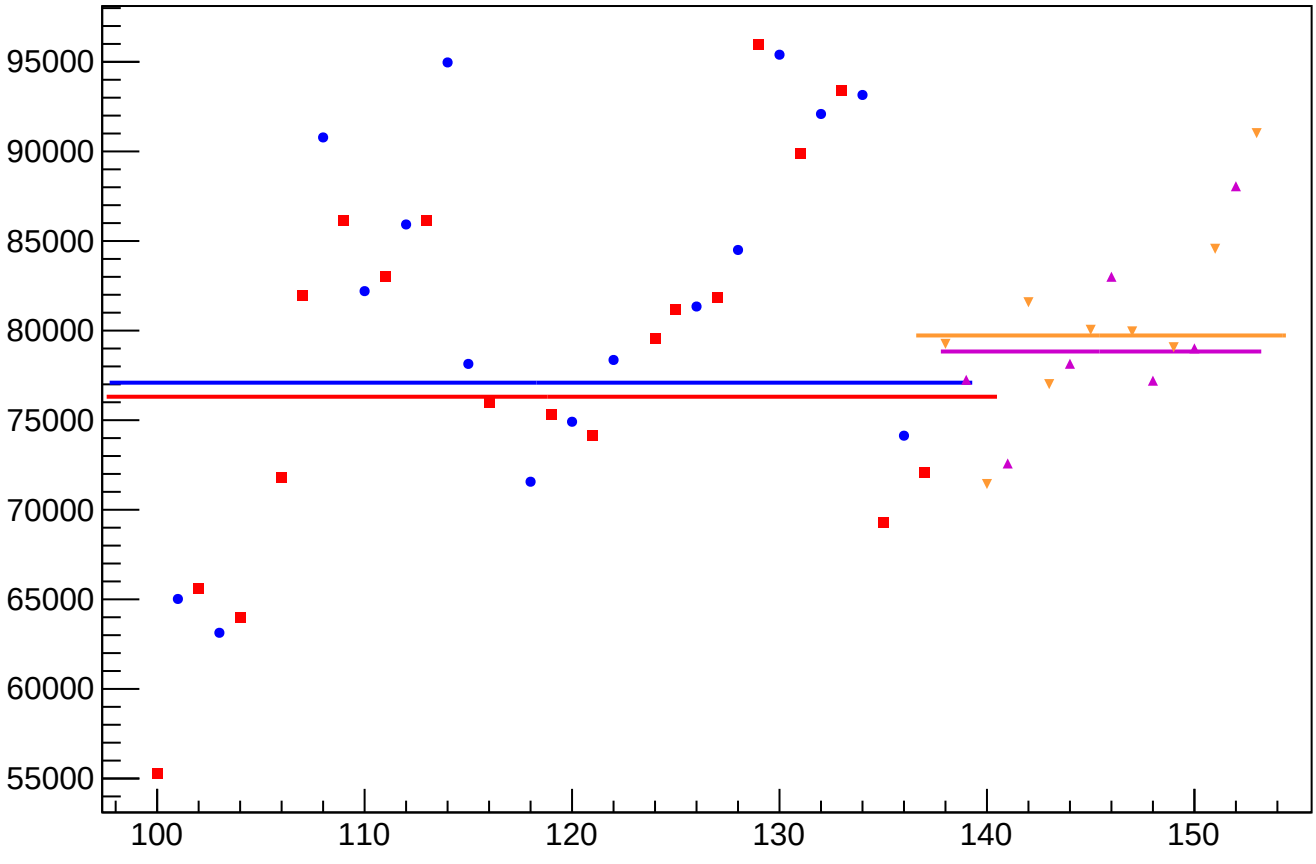
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -36.839+/-31.904 χ^2/NDF:11.6/6

+ sign 29.792+/-20.877 χ^2/NDF: 24.1/24

All: -2.261+/-14.837 χ^2/NDF: 55.1/50

- sign -34.970+/-21.090 χ^2/NDF: 26.3/25



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 79728.067+/-21.334 χ^2/NDF:56251.9/8

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

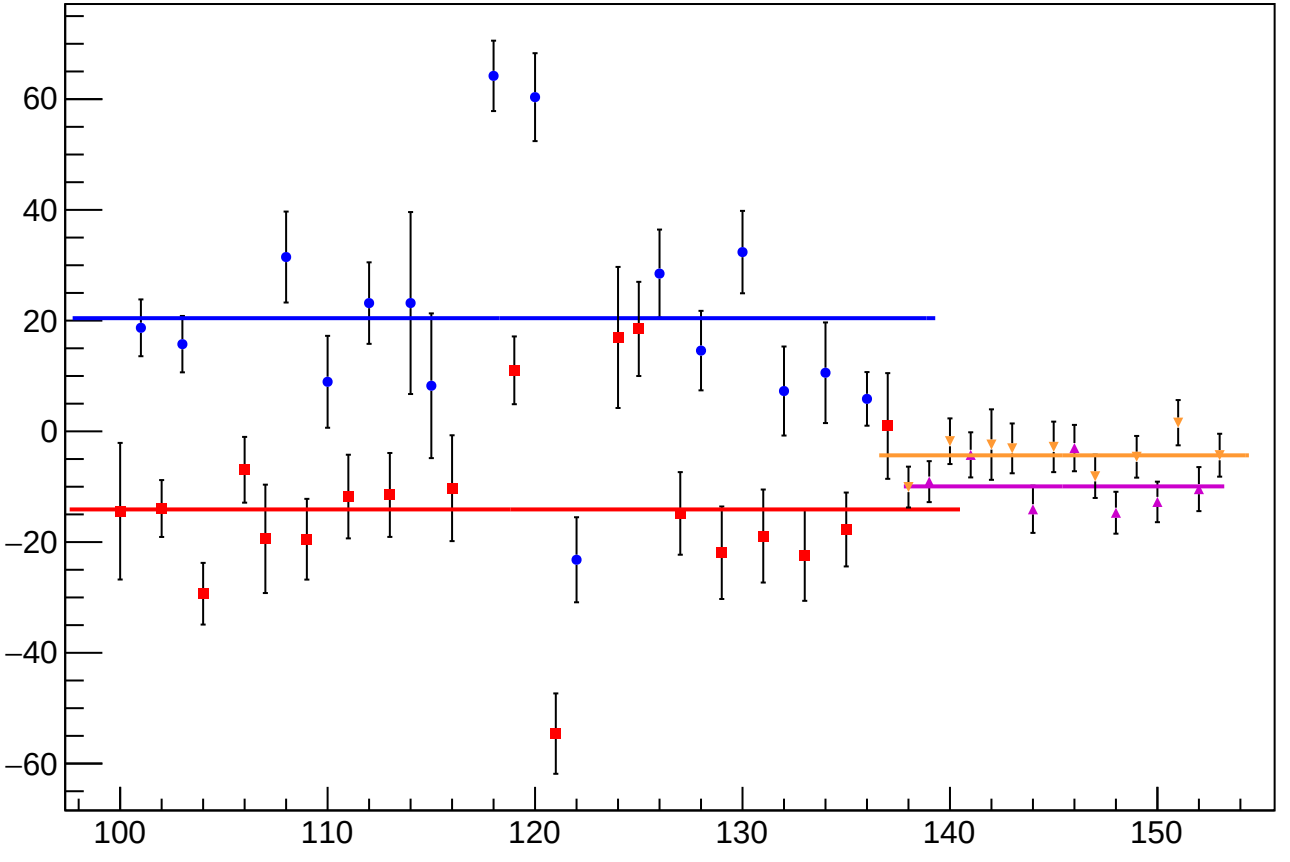
Left In: 78832.882+/-22.560 χ^2/NDF:38200.8/6

+ sign 78354.742+/-14.762 χ^2/NDF: 312745.3/24

All: 77887.973+/-10.491 χ^2/NDF: 594448.1/5

- sign 77411.642+/-14.913 χ^2/NDF: 279682.8/25

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -4.332+/-1.391 χ^2/NDF:6.1/8

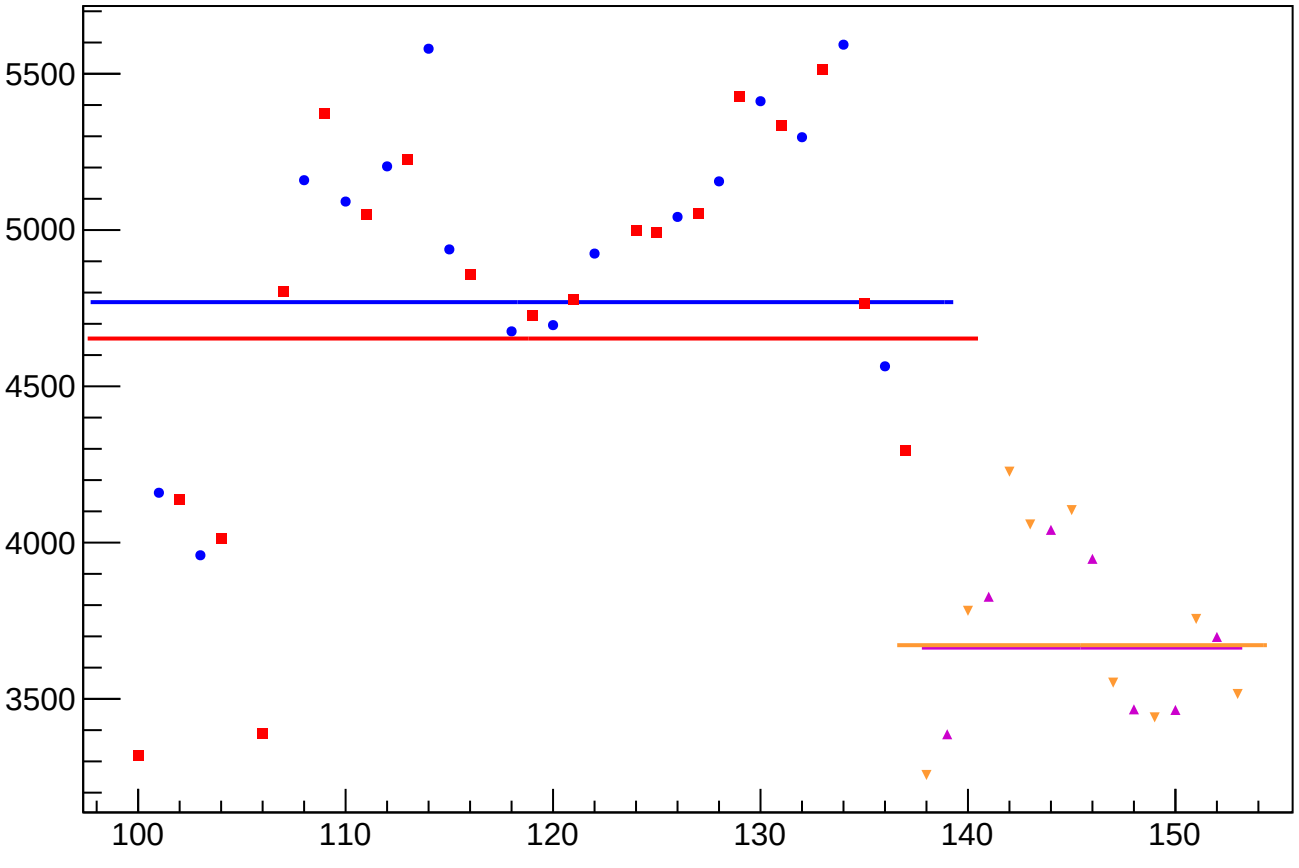
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -9.940+/-1.485 χ^2/NDF:7.9/6

+ sign 5.048+/-1.096 χ^2/NDF: 254.0/24

All: -3.143+/-0.784 χ^2/NDF: 463.3/50

- sign -11.726+/-1.122 χ^2/NDF: 95.0/25



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3671.828+/-0.984 χ^2/NDF:88147.6/8

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

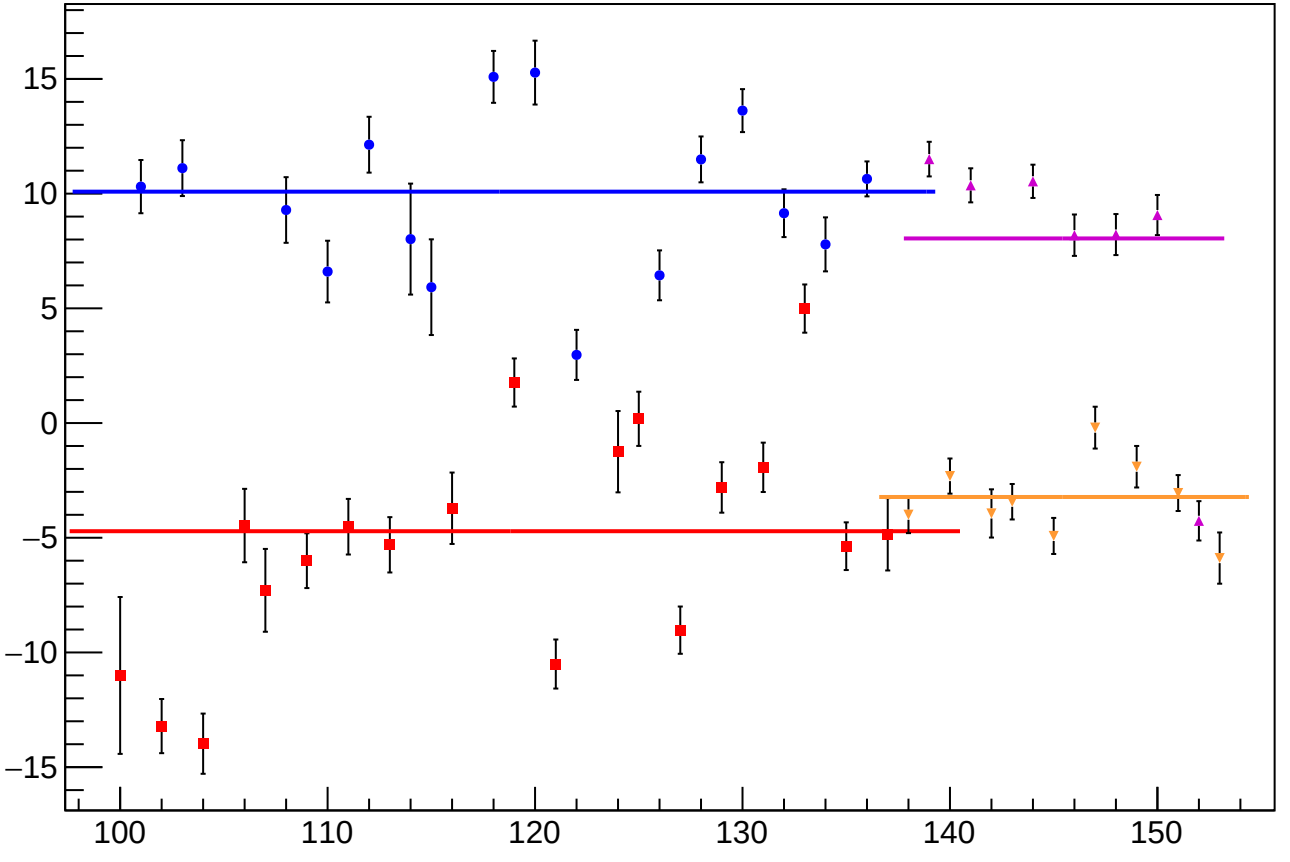
Left In: 3664.026+/-1.050 χ^2/NDF:50795.0/6

+ sign 4087.390+/-0.775 χ^2/NDF: 711271.6/24

All: 4087.839+/-0.555 χ^2/NDF: 1407482.2/50

- sign 4088.311+/-0.794 χ^2/NDF: 696210.0/25

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.223+/-0.285 χ^2/NDF:26.4/8

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

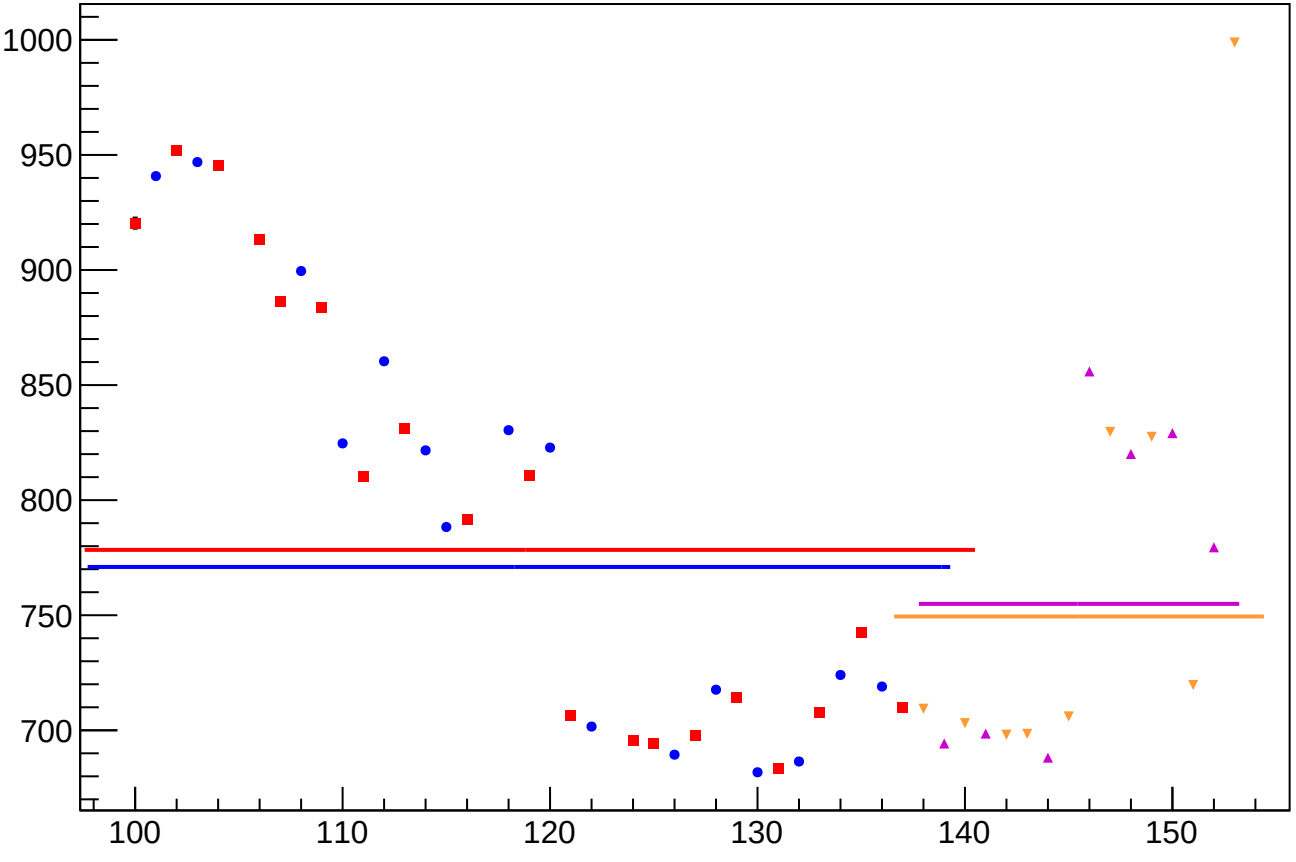
Left In: 8.047+/-0.307 χ^2/NDF:249.8/6

+ sign 3.355+/-0.203 χ^2/NDF: 1227.6/24

All: 2.316+/-0.146 χ^2/NDF: 2767.9/50

- sign 1.210+/-0.209 χ^2/NDF: 1486.1/25

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 749.449+/-0.202 χ^2/NDF:164924.7/8

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

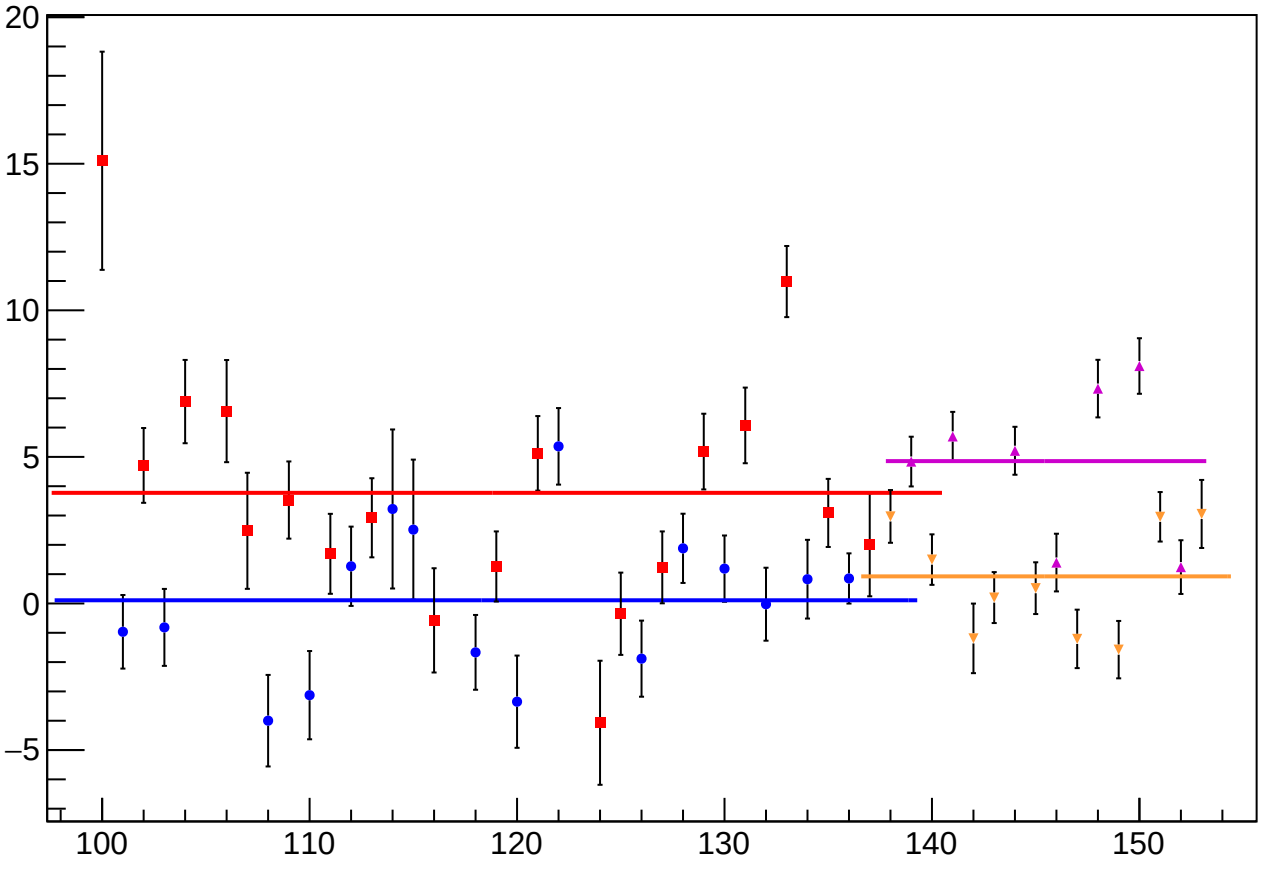
Left In: 754.937+/-0.217 χ^2/NDF:93097.6/6

+ sign 760.087+/-0.143 χ^2/NDF: 363472.0/24

All: 763.680+/-0.103 χ^2/NDF: 660667.0/50

- sign 767.503+/-0.148 χ^2/NDF: 295898.7/25

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 0.924+/-0.315 χ^2/NDF:29.9/8

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

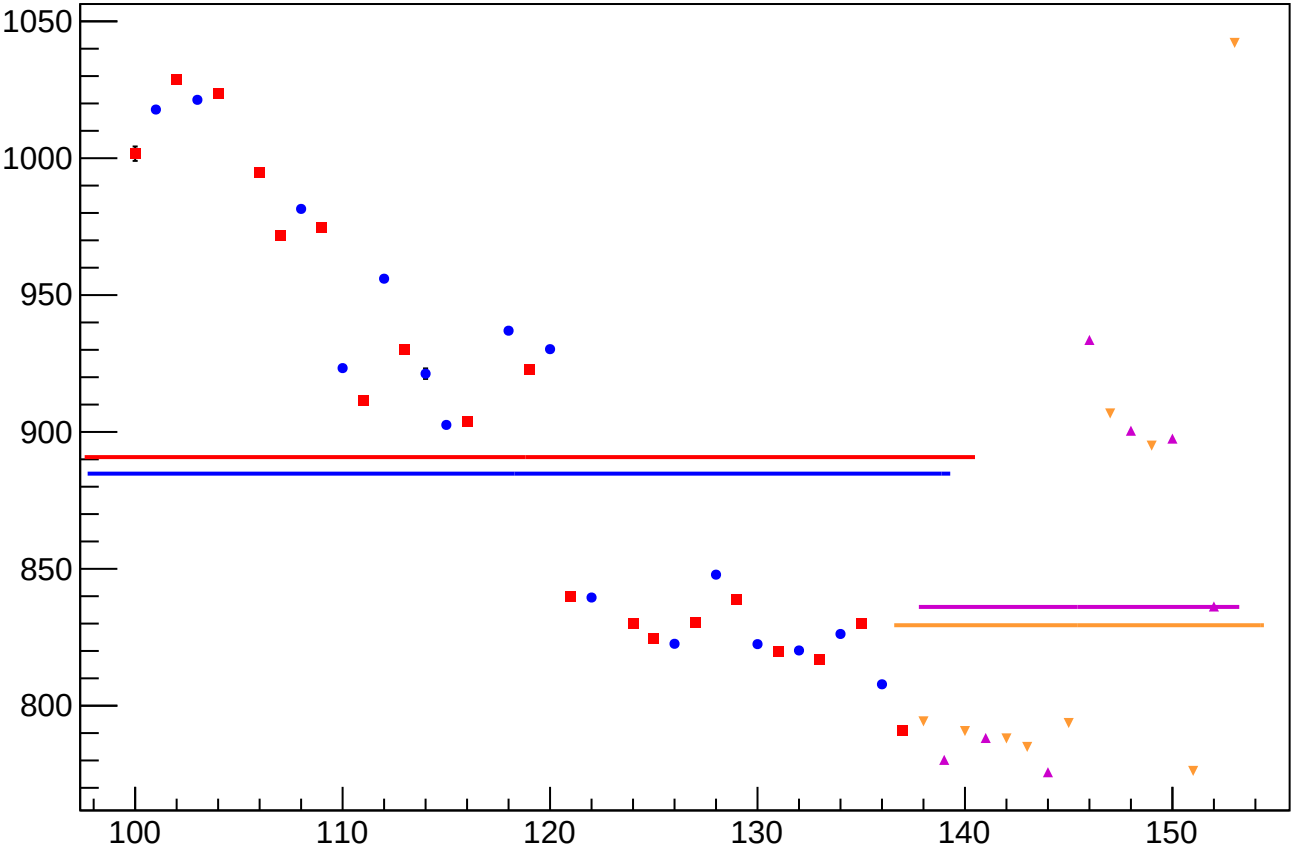
Left In: 4.856+/-0.339 χ^2/NDF:47.2/6

+ sign 0.536+/-0.228 χ^2/NDF: 78.5/24

All: 2.355+/-0.164 χ^2/NDF: 362.4/50

- sign 4.293+/-0.235 χ^2/NDF: 152.1/25

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 829.398+/-0.223 χ^2/NDF:114168.0/8

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

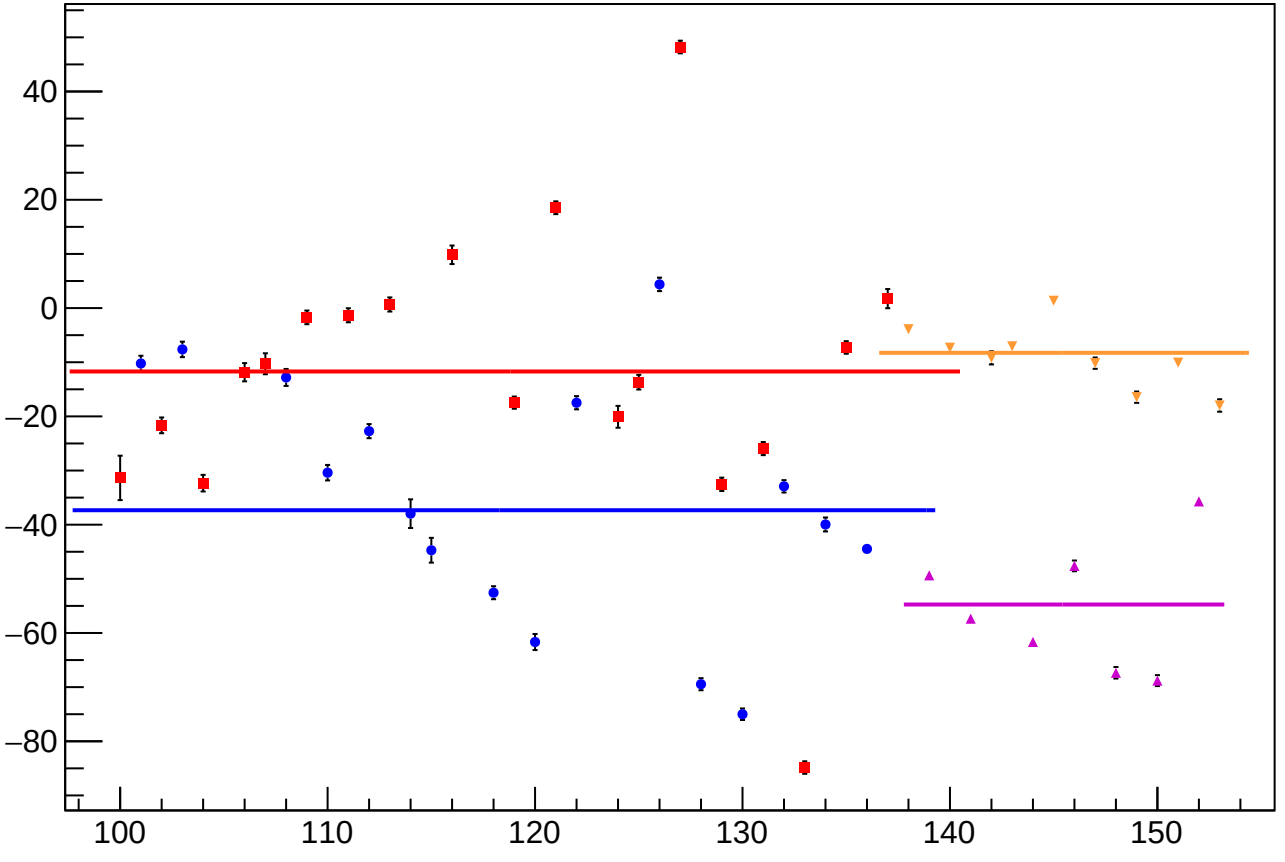
Left In: 836.084+/-0.240 χ^2/NDF:62777.2/6

+ sign 855.783+/-0.161 χ^2/NDF: 248162.2/24

All: 860.022+/-0.116 χ^2/NDF: 447188.4/50

- sign 864.539+/-0.166 χ^2/NDF: 197595.0/25

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.260+/-0.321 χ^2/NDF:279.6/8

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

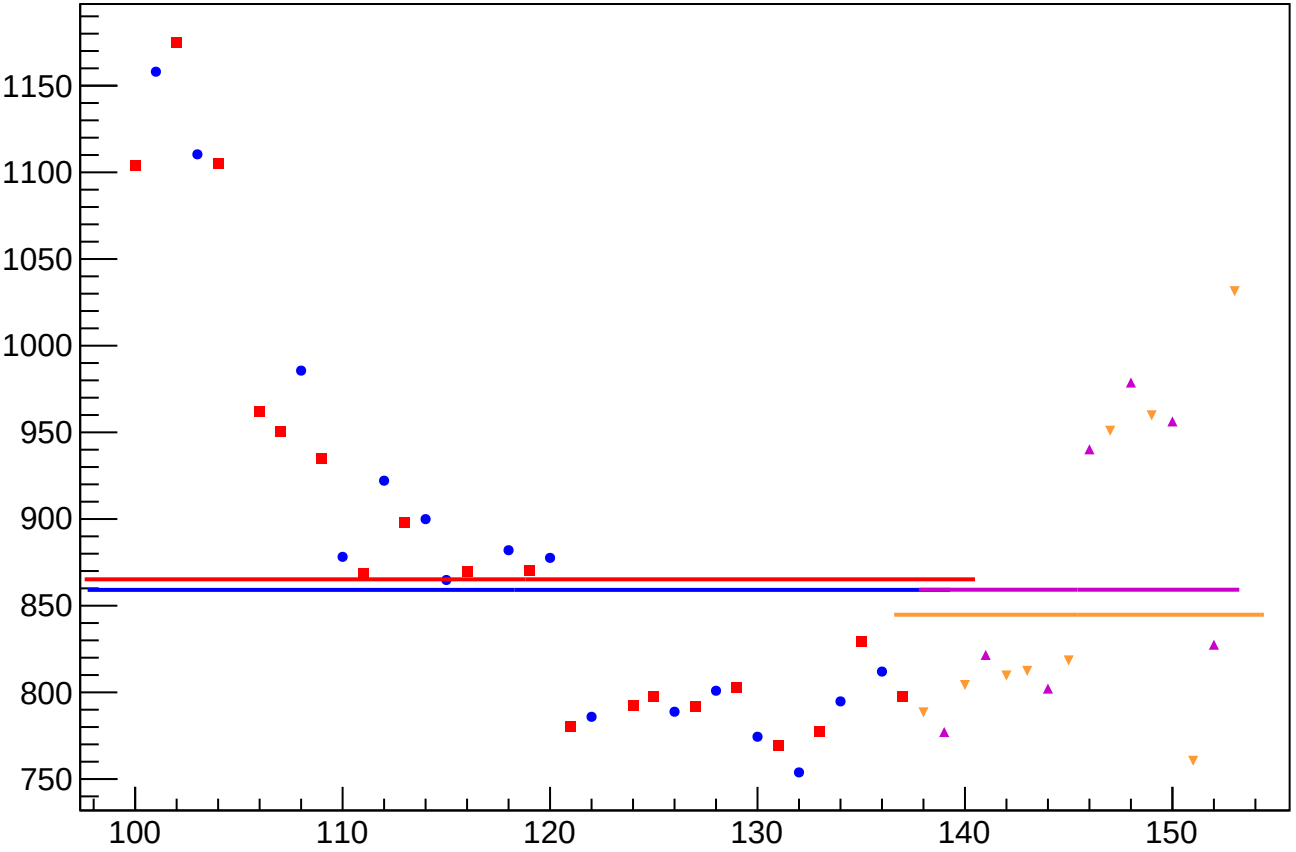
Left In: -54.744+/-0.349 χ^2/NDF:941.9/6

+ sign -22.754+/-0.227 χ^2/NDF: 9557.8/24

All: -26.841+/-0.163 χ^2/NDF: 27940.8/50

- sign -31.216+/-0.235 χ^2/NDF: 17713.0/25

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 844.802+/-0.227 χ^2/NDF:136157.5/8

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

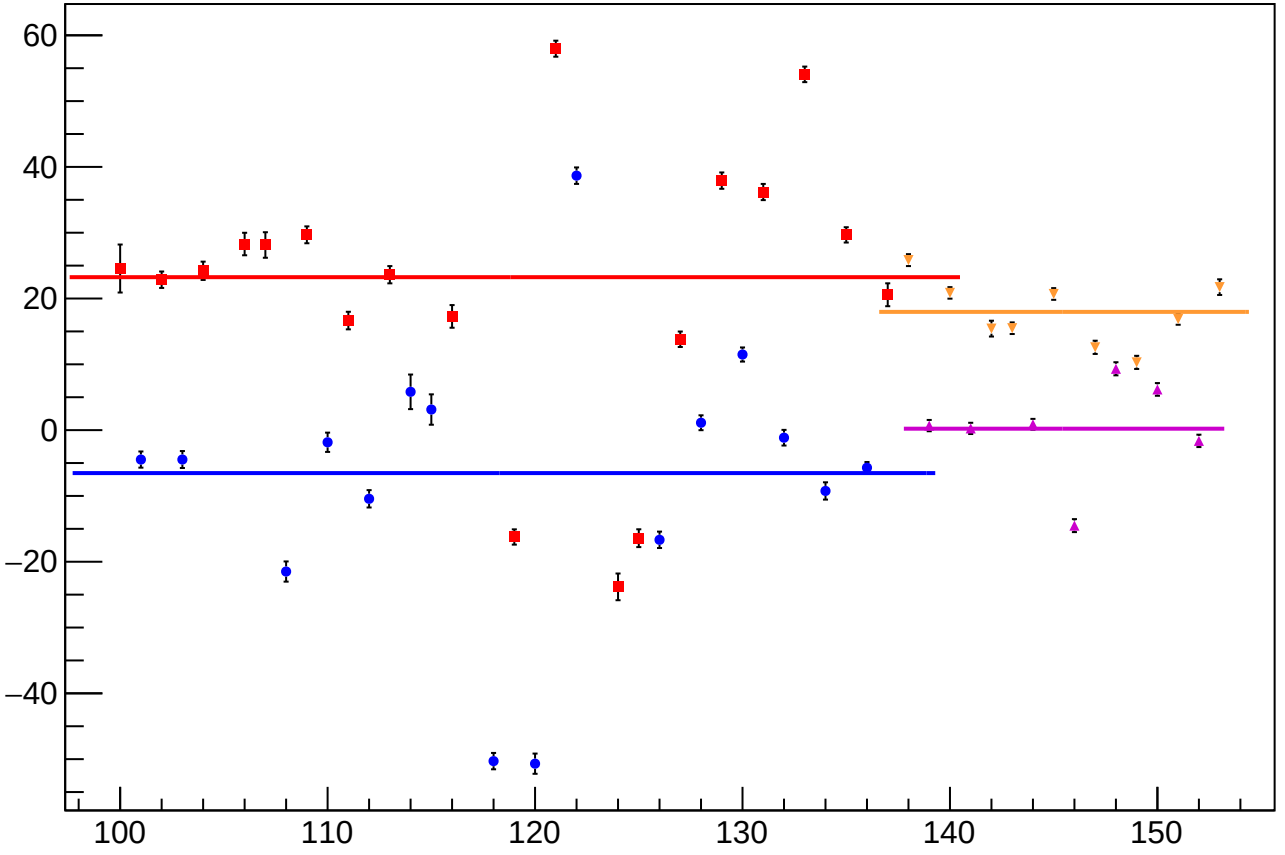
Left In: 859.223+/-0.247 χ^2/NDF:91085.6/6

+ sign 851.944+/-0.161 χ^2/NDF: 366855.1/24

All: 857.041+/-0.116 χ^2/NDF: 684016.3/50

- sign 862.498+/-0.166 χ^2/NDF: 315076.6/25

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 17.971+/-0.320 χ^2/NDF:207.1/8

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

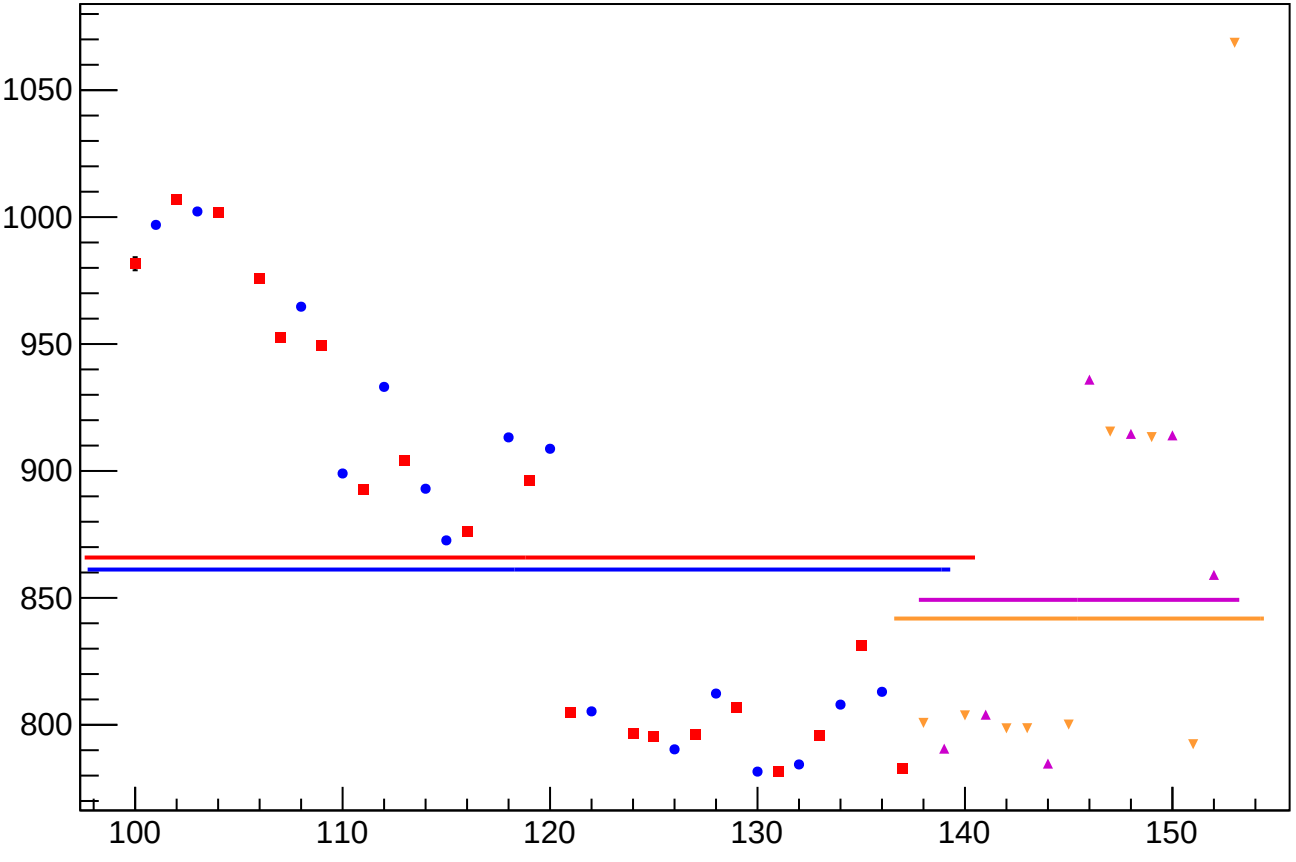
Left In: 0.218+/-0.345 χ^2/NDF:349.4/6

+ sign 5.786+/-0.227 χ^2/NDF: 7077.6/24

All: 9.135+/-0.163 χ^2/NDF: 14765.7/50

- sign 12.688+/-0.233 χ^2/NDF: 7237.5/25

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 841.868+/-0.226 χ^2/NDF:119846.5/8

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

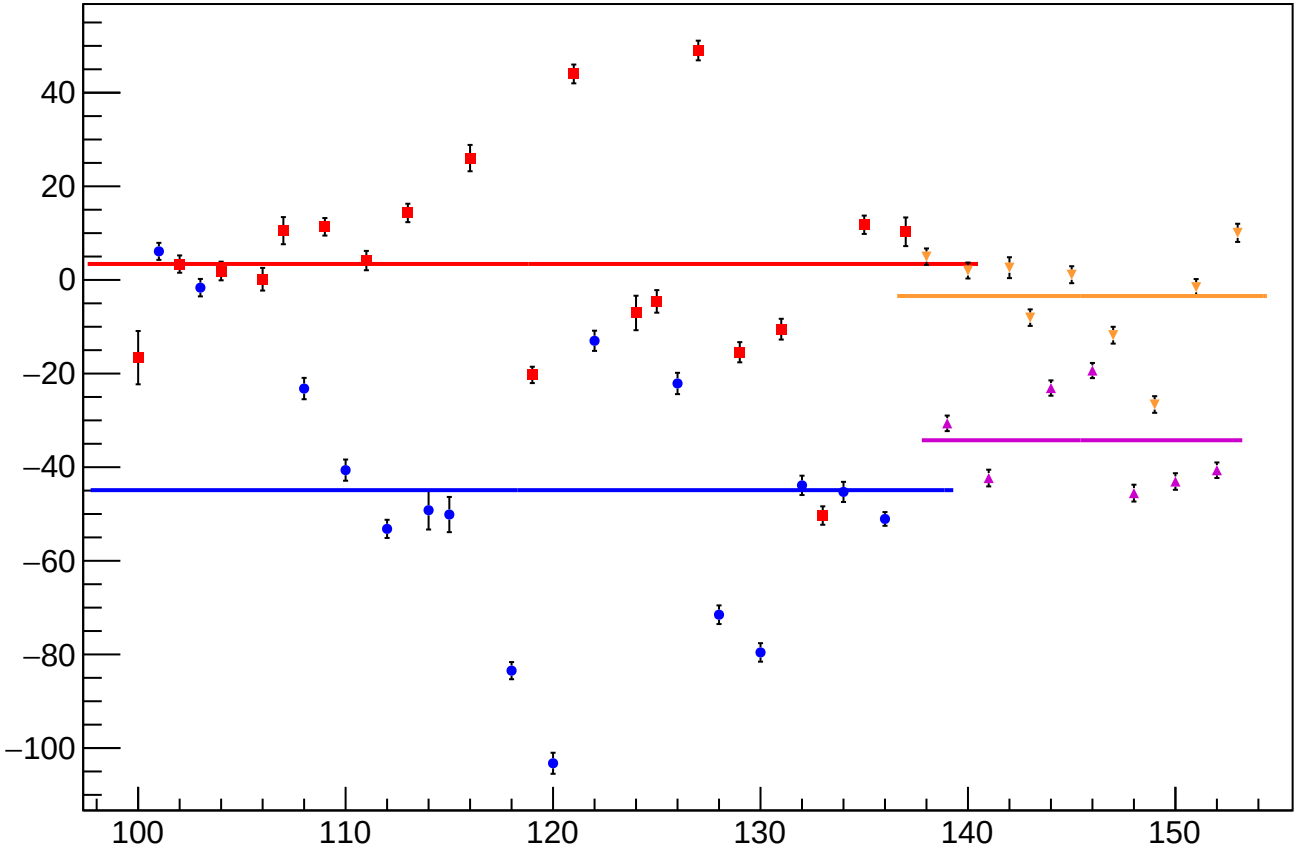
Left In: 849.234+/-0.244 χ^2/NDF:60369.0/6

+ sign 851.468+/-0.160 χ^2/NDF: 237006.7/24

All: 854.765+/-0.115 χ^2/NDF: 419203.2/50

- sign 858.264+/-0.165 χ^2/NDF: 181323.0/25

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -3.435+/-0.607 χ^2/NDF:294.8/8

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

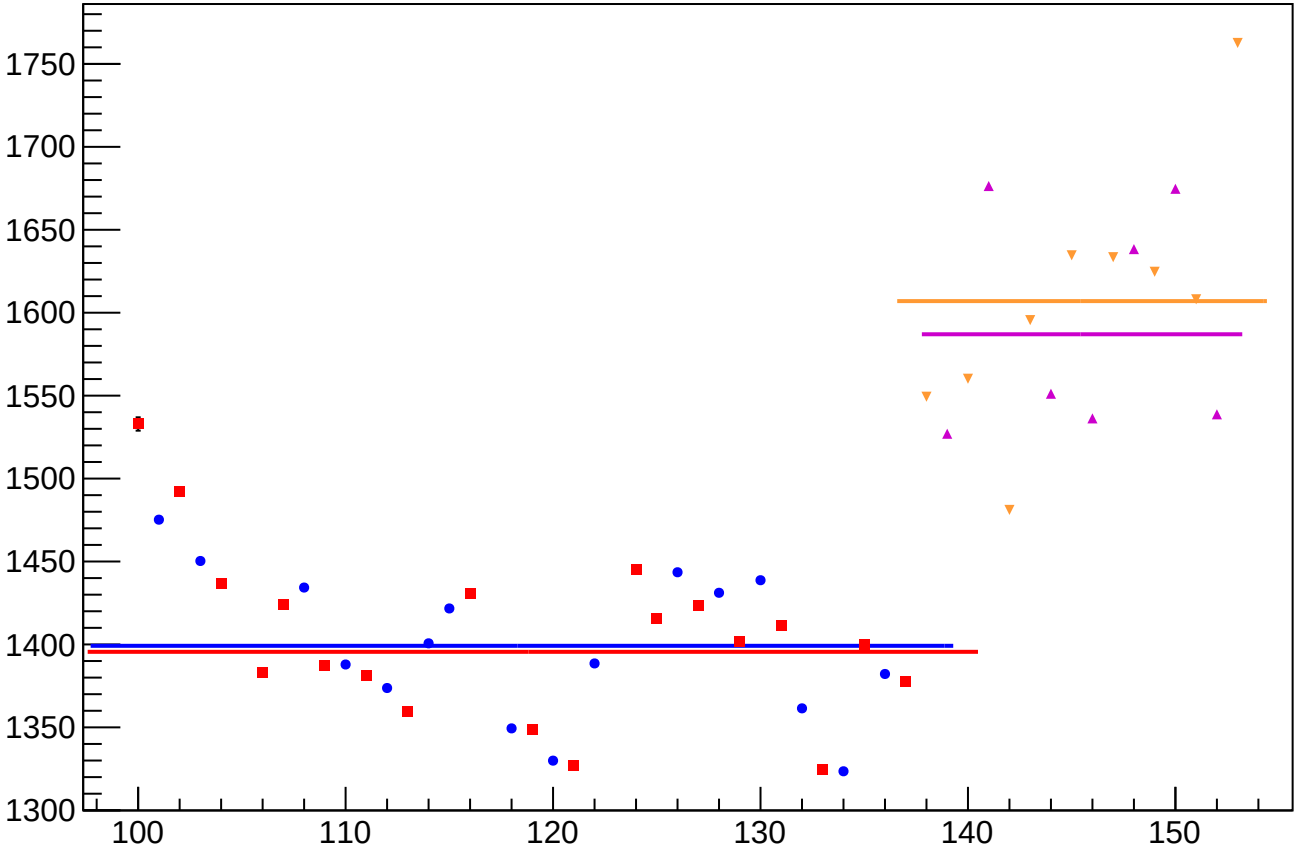
Left In: -34.247+/-0.643 χ^2/NDF:235.1/6

+ sign -27.361+/-0.395 χ^2/NDF: 6364.2/24

All: -19.319+/-0.281 χ^2/NDF: 11649.4/50

- sign -11.105+/-0.399 χ^2/NDF: 4447.0/25

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1607.001+/-0.429 χ^2/NDF:24083.8/8

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

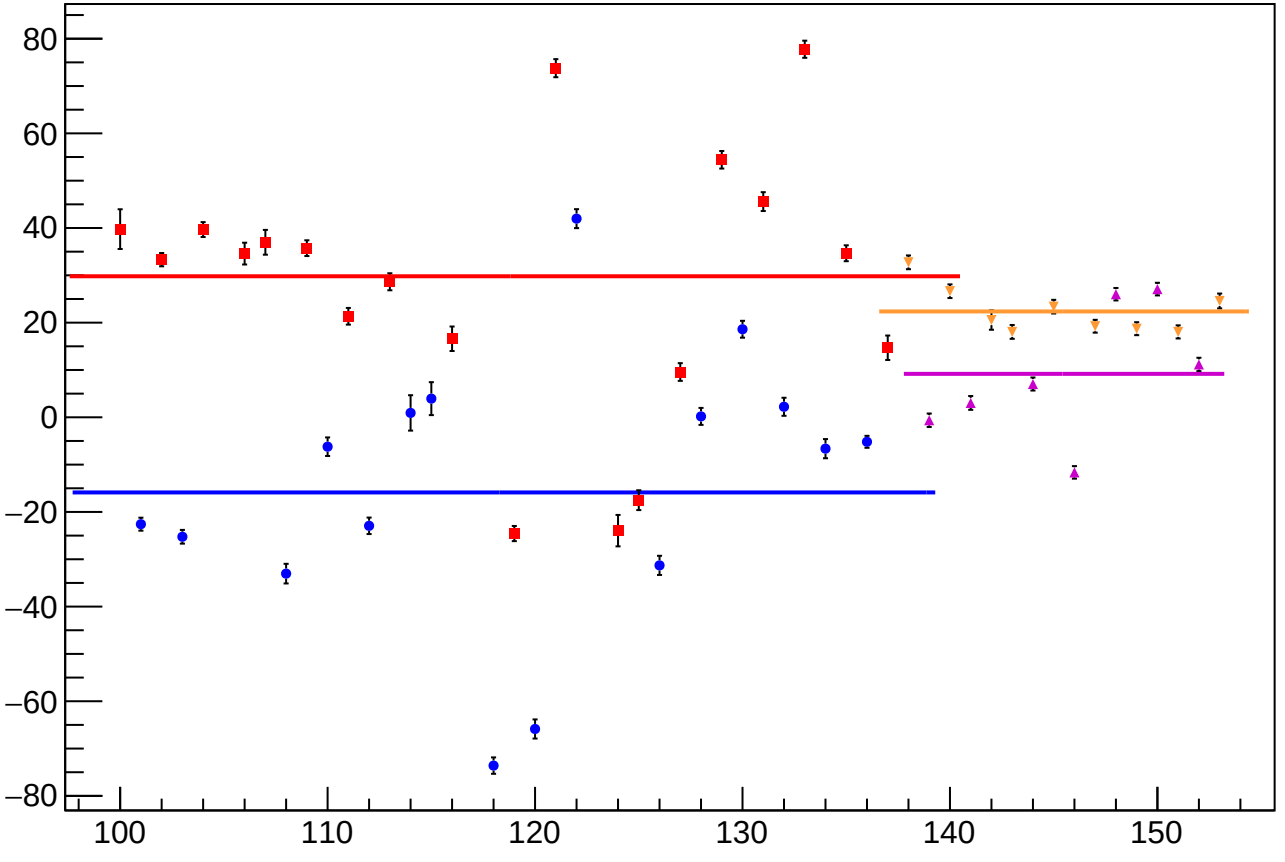
Left In: 1587.006+/-0.454 χ^2/NDF:18767.2/6

+ sign 1487.095+/-0.279 χ^2/NDF: 174136.9/24

All: 1478.325+/-0.198 χ^2/NDF: 320178.6/50

- sign 1469.366+/-0.282 χ^2/NDF: 144047.6/25

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 22.366+/-0.492 χ^2/NDF:93.8/8

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

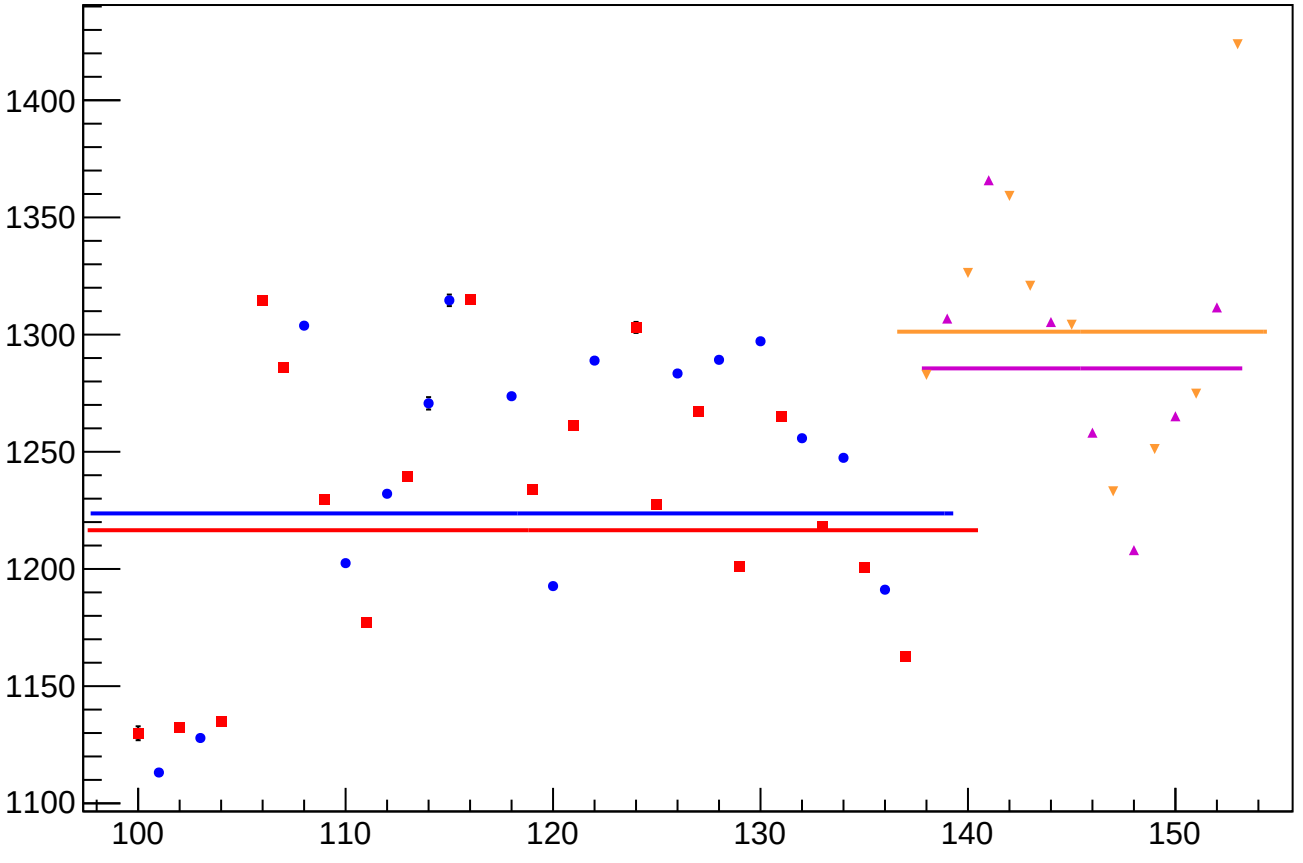
Left In: 9.180+/-0.520 χ^2/NDF:659.7/6

+ sign 1.779+/-0.334 χ^2/NDF: 6830.0/24

All: 11.329+/-0.238 χ^2/NDF: 13733.4/50

- sign 21.096+/-0.338 χ^2/NDF: 5249.9/25

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1301.248+/-0.348 χ^2/NDF:23579.1/8

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

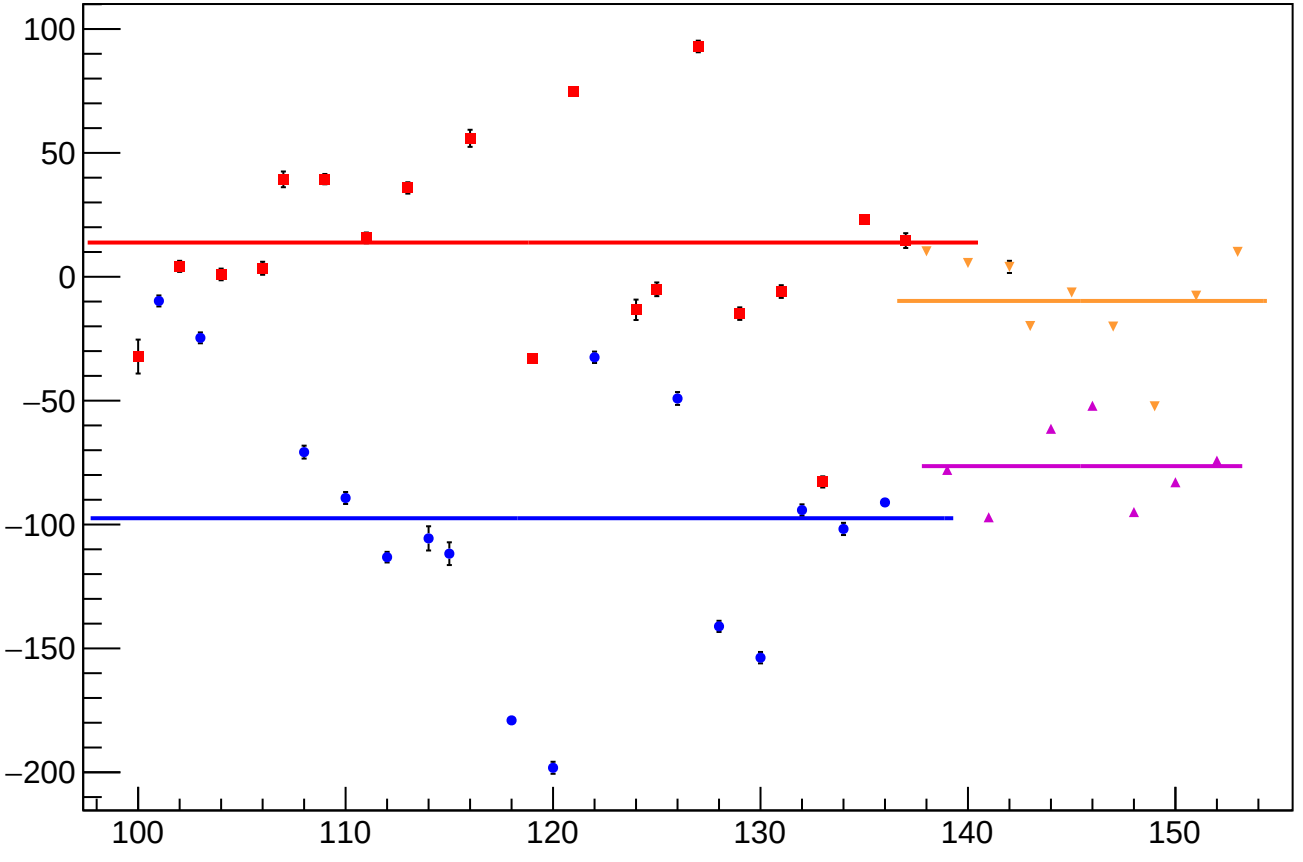
Left In: 1285.582+/-0.368 χ^2/NDF:15853.9/6

+ sign 1259.505+/-0.236 χ^2/NDF: 91255.9/24

All: 1252.670+/-0.168 χ^2/NDF: 158569.4/50

- sign 1245.679+/-0.239 χ^2/NDF: 65619.5/25

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -9.750+/-0.622 χ^2/NDF:957.9/8

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

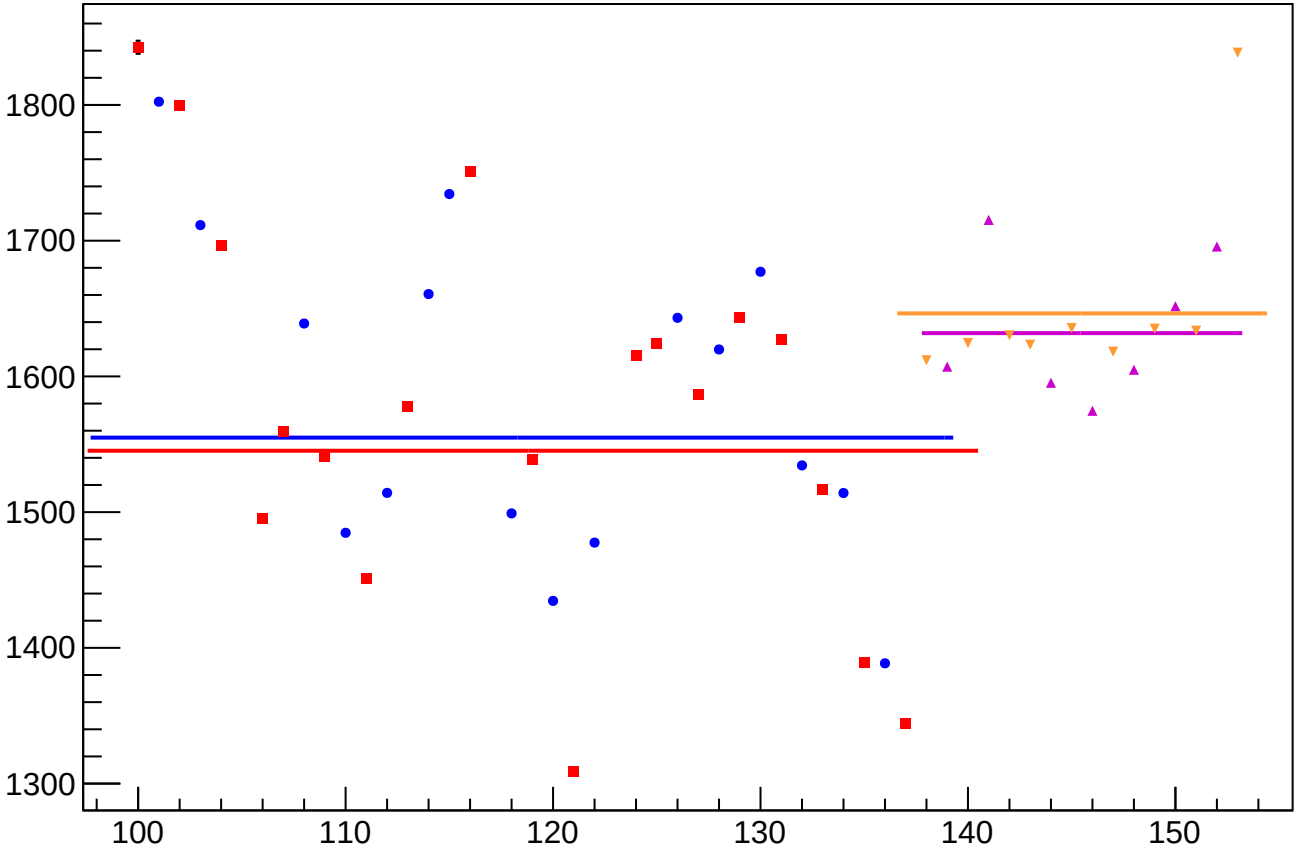
Left In: -76.426+/-0.660 χ^2/NDF:550.8/6

+ sign -56.722+/-0.424 χ^2/NDF: 19899.1/24

All: -40.766+/-0.302 χ^2/NDF: 39446.9/50

- sign -24.393+/-0.430 χ^2/NDF: 16678.9/25

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1646.416+/-0.440 χ^2/NDF:20162.7/8

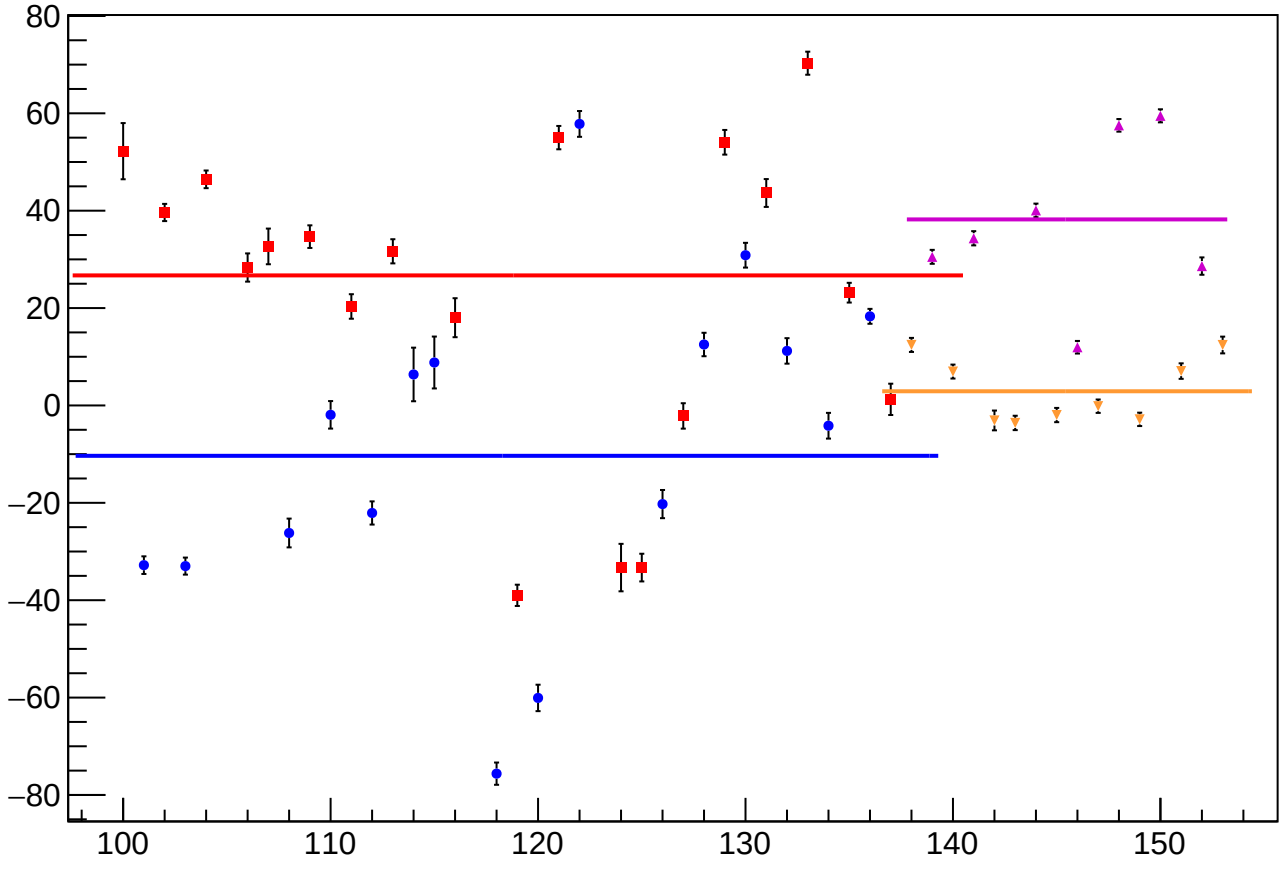
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1631.890+/-0.467 χ^2/NDF:11046.1/6

+ sign 1597.408+/-0.300 χ^2/NDF: 131250.1/24

All: 1589.767+/-0.213 χ^2/NDF: 272271.9/50

- sign 1581.928+/-0.304 χ^2/NDF: 139706.2/25



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 2.912+/-0.505 χ^2/NDF:150.5/8

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

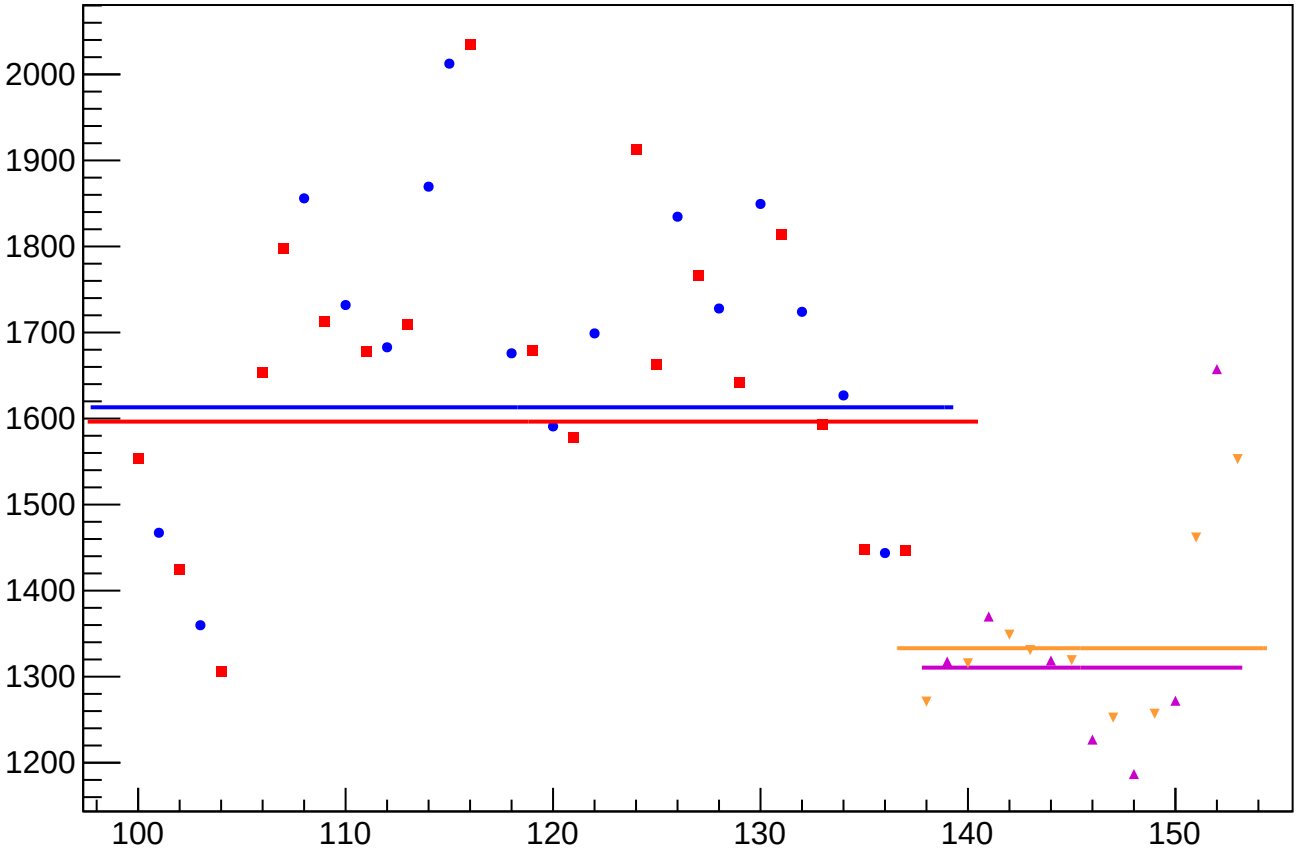
Left In: 38.208+/-0.532 χ^2/NDF:951.0/6

+ sign -2.550+/-0.387 χ^2/NDF: 3441.6/24

All: 14.920+/-0.276 χ^2/NDF: 11289.5/50

- sign 33.015+/-0.394 χ^2/NDF: 3702.7/25

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1333.084+/-0.357 χ^2/NDF:62976.7/8

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

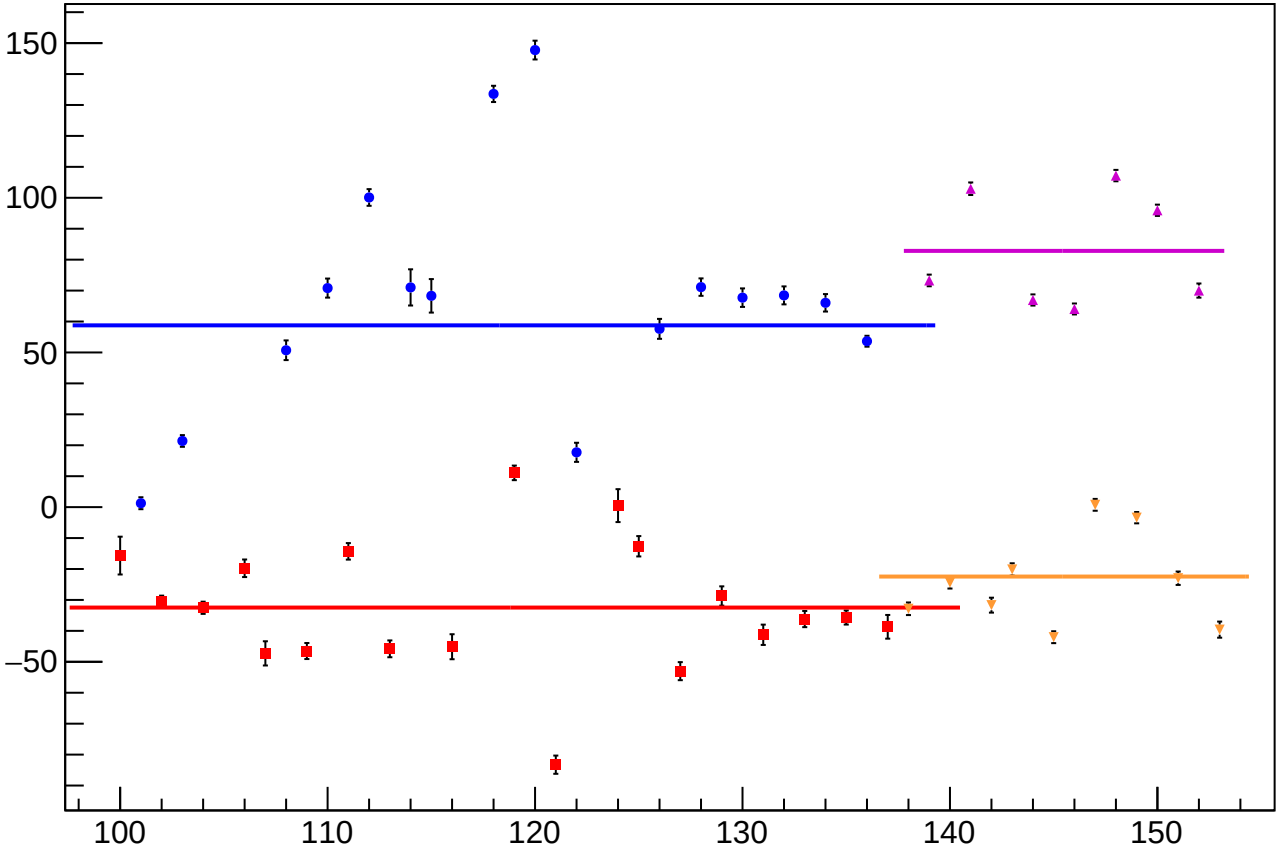
Left In: 1310.501+/-0.376 χ^2/NDF:107353.8/6

+ sign 1448.458+/-0.274 χ^2/NDF: 471141.4/24

All: 1444.119+/-0.195 χ^2/NDF: 1000562.3/50

- sign 1439.625+/-0.279 χ^2/NDF: 528909.5/25

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -22.443+/-0.684 χ^2/NDF:445.5/8

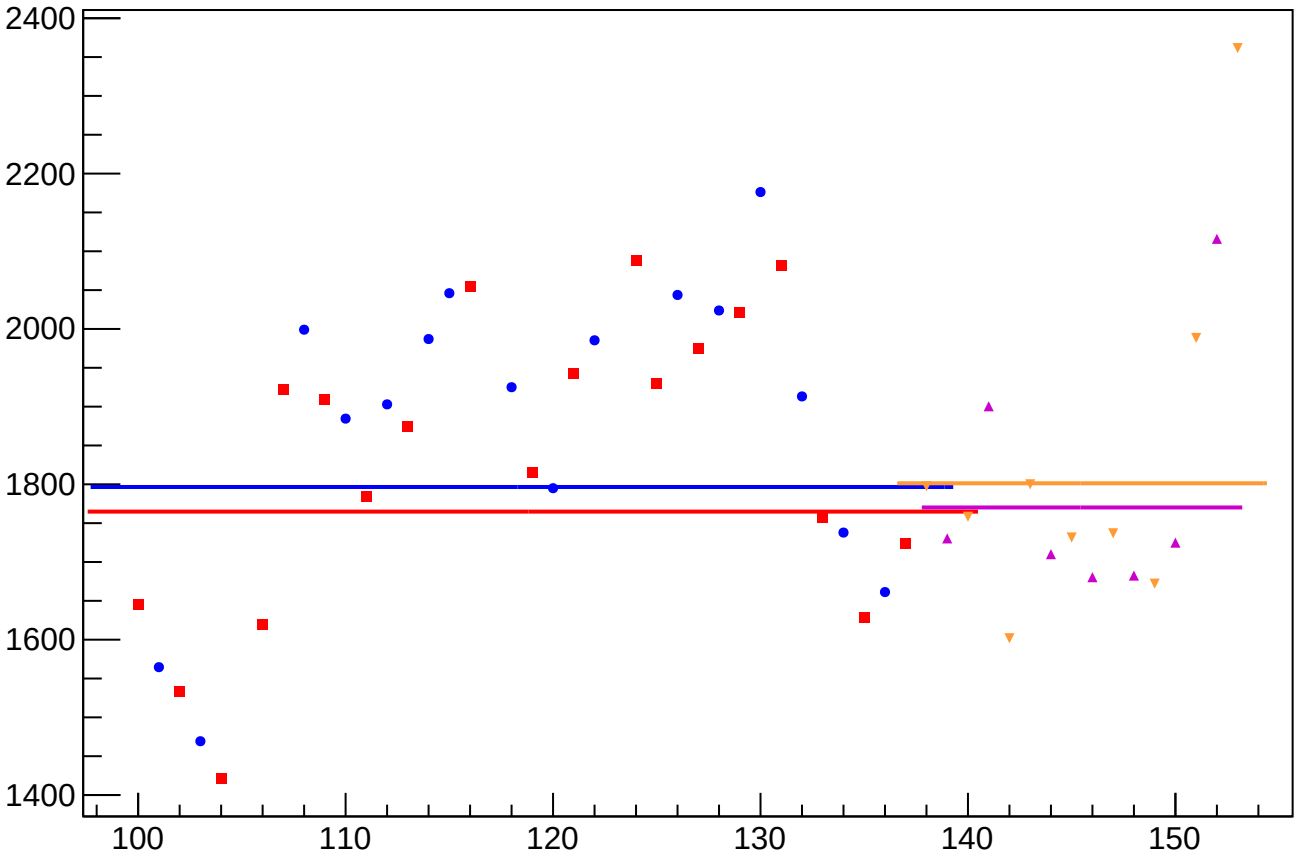
Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: 82.835+/-0.718 χ^2/NDF:571.4/6

+ sign 18.865+/-0.480 χ^2/NDF: 11053.3/24

All: 19.078+/-0.340 χ^2/NDF: 26749.5/50

- sign 19.294+/-0.481 χ^2/NDF: 15695.8/25



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1801.337+/-0.484 χ^2/NDF:136883.8/8

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

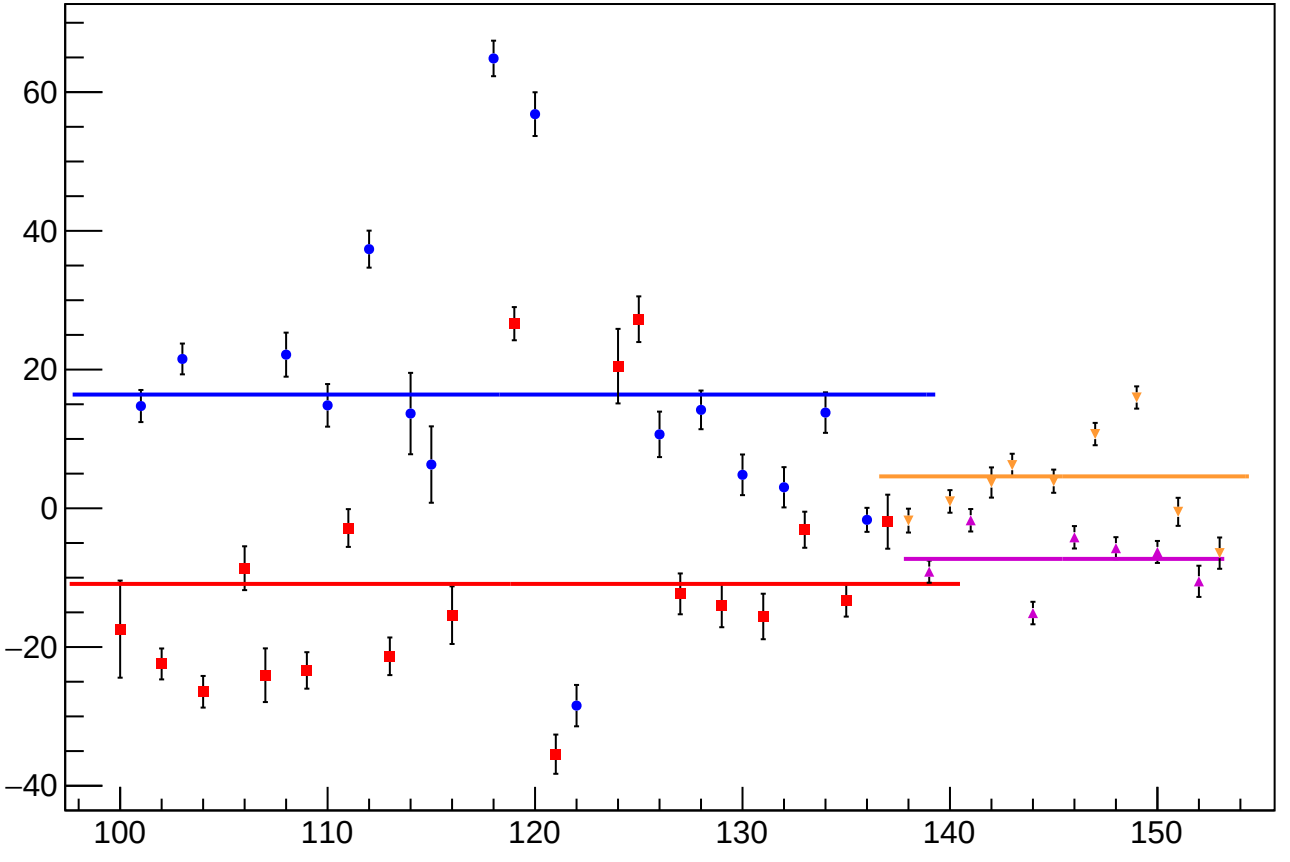
Left In: 1770.191+/-0.508 χ^2/NDF:67996.5/6

+ sign 1798.904+/-0.339 χ^2/NDF: 330105.3/24

All: 1783.137+/-0.240 χ^2/NDF: 592489.7/50

- sign 1767.253+/-0.340 χ^2/NDF: 258045.1/25

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 4.602+/-0.590 χ^2/NDF:115.0/8

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

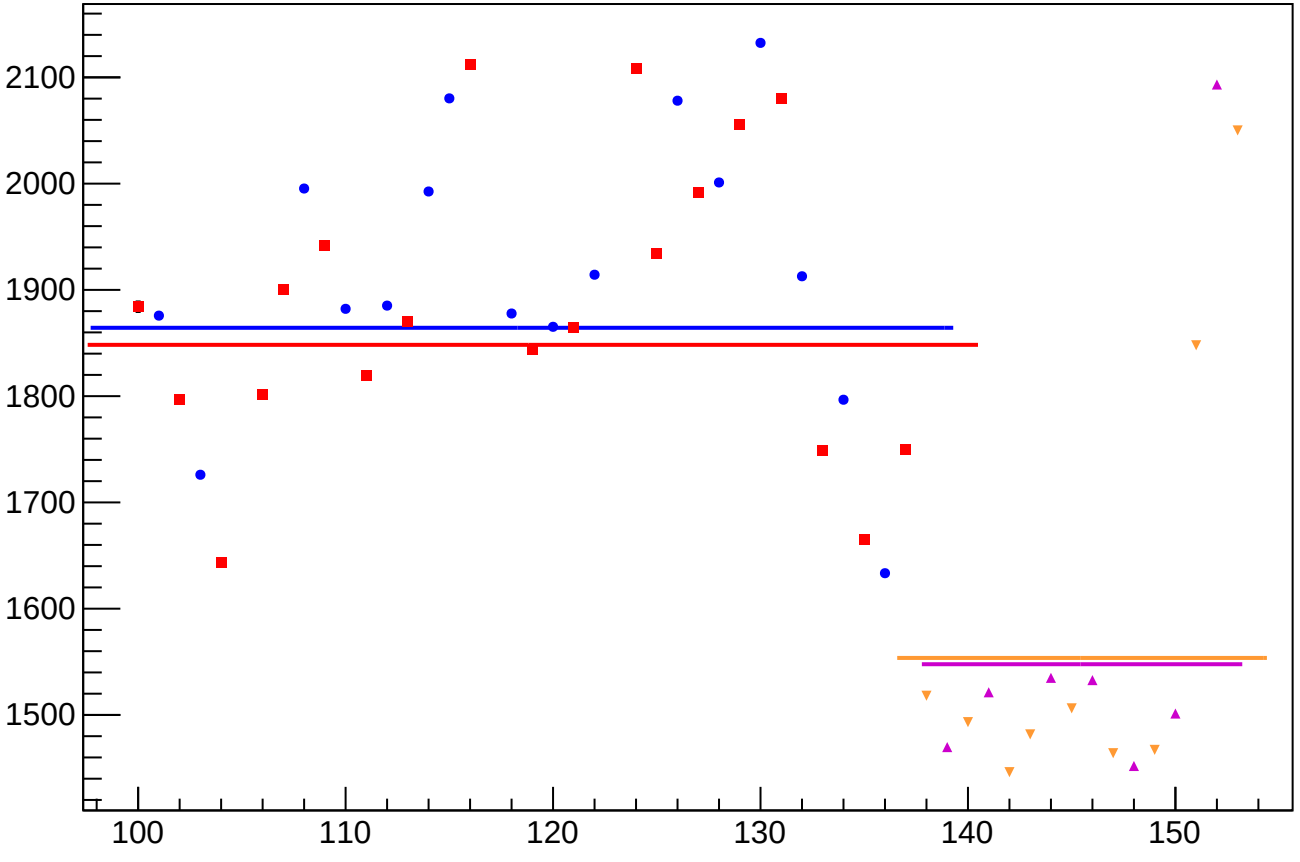
Left In: -7.293+/-0.629 χ^2/NDF:43.5/6

+ sign 9.546+/-0.450 χ^2/NDF: 1255.3/24

All: 0.506+/-0.322 χ^2/NDF: 2782.6/50

- sign -8.965+/-0.460 χ^2/NDF: 700.5/25

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1553.649+/-0.417 χ^2/NDF:165026.0/8

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

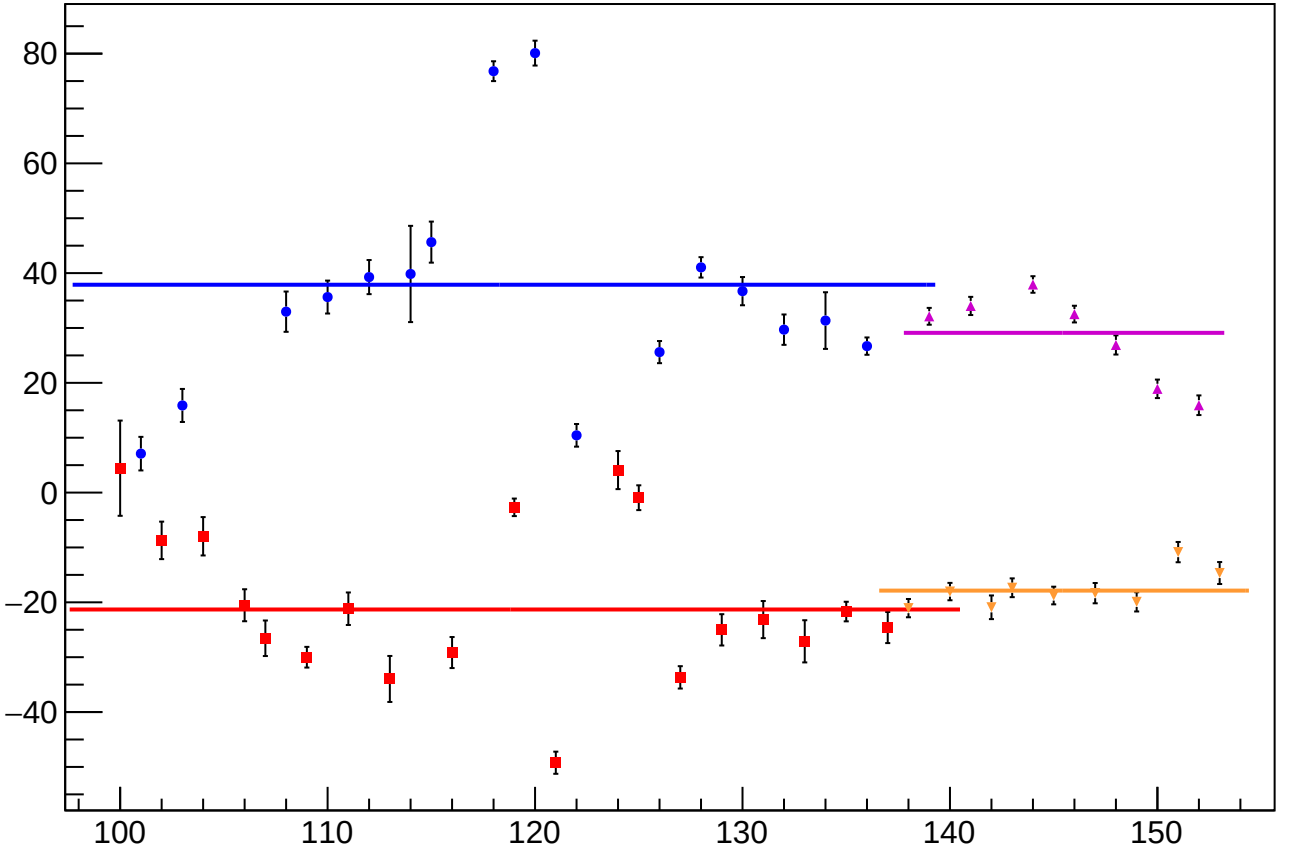
Left In: 1547.728+/-0.445 χ^2/NDF:132189.8/6

+ sign 1683.843+/-0.318 χ^2/NDF: 480544.2/24

All: 1685.425+/-0.228 χ^2/NDF: 899628.5/50

- sign 1687.081+/-0.326 χ^2/NDF: 419033.7/25

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.864+/-0.591 χ^2/NDF:24.5/8

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

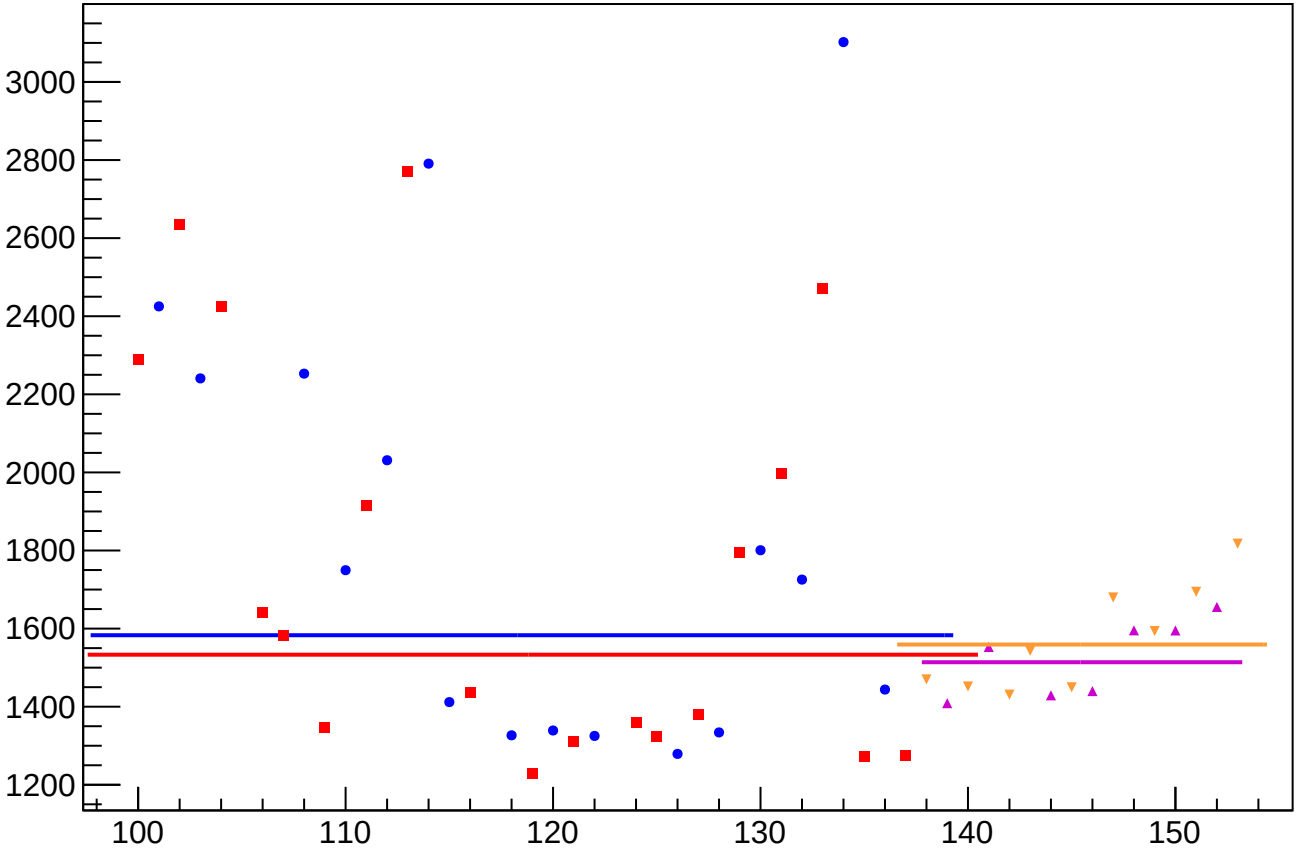
Left In: 29.113+/-0.614 χ^2/NDF:144.3/6

\+ sign 8.580+/-0.429 χ^2/NDF: 5491.1/24

All: 5.787+/-0.302 χ^2/NDF: 9791.4/50

\- sign 3.022+/-0.427 χ^2/NDF: 4215.9/25

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1559.215+/-0.418 χ^2/NDF:84714.7/8

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

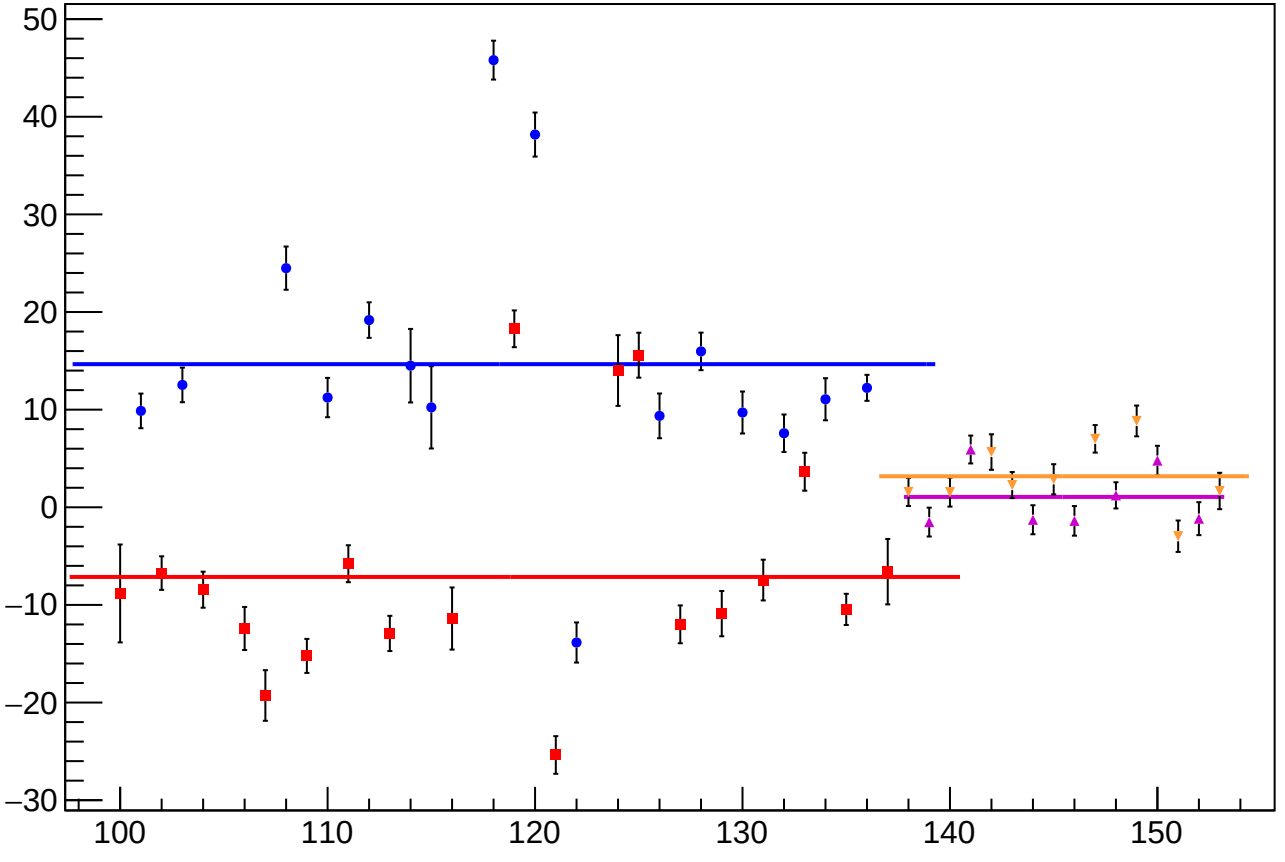
Left In: 1513.860+/-0.434 χ^2/NDF:43018.0/6

+ sign 1570.522+/-0.303 χ^2/NDF: 873928.9/24

All: 1547.076+/-0.214 χ^2/NDF: 1880657.1/50

- sign 1523.863+/-0.302 χ^2/NDF: 994821.0/25

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 3.177+/-0.513 χ^2/NDF:40.3/8

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

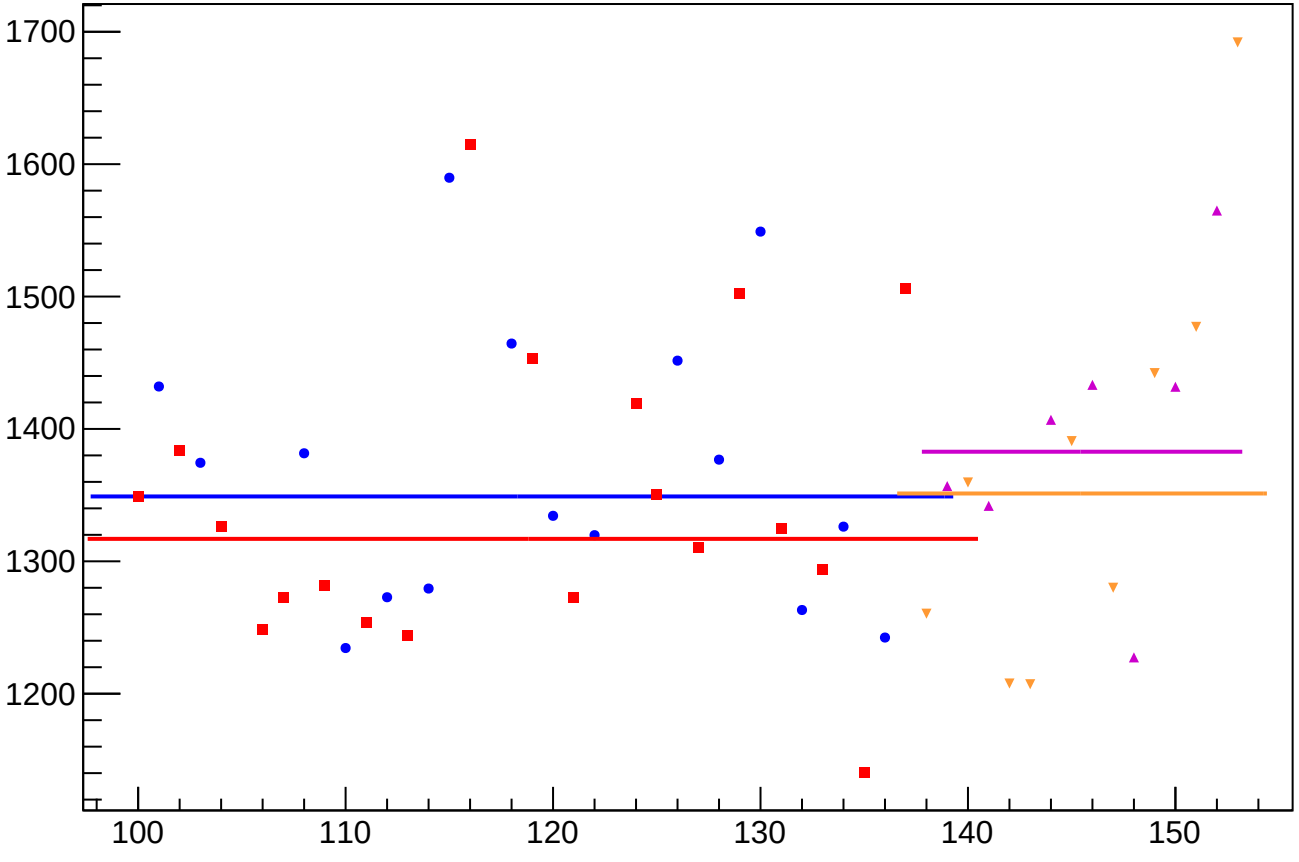
Left In: 1.061+/-0.561 χ^2/NDF:27.5/6

+ sign 9.015+/-0.360 χ^2/NDF: 909.6/24

All: 2.796+/-0.257 χ^2/NDF: 2177.4/50

- sign -3.641+/-0.366 χ^2/NDF: 659.6/25

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1351.235+/-0.363 χ^2/NDF:135886.4/8

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

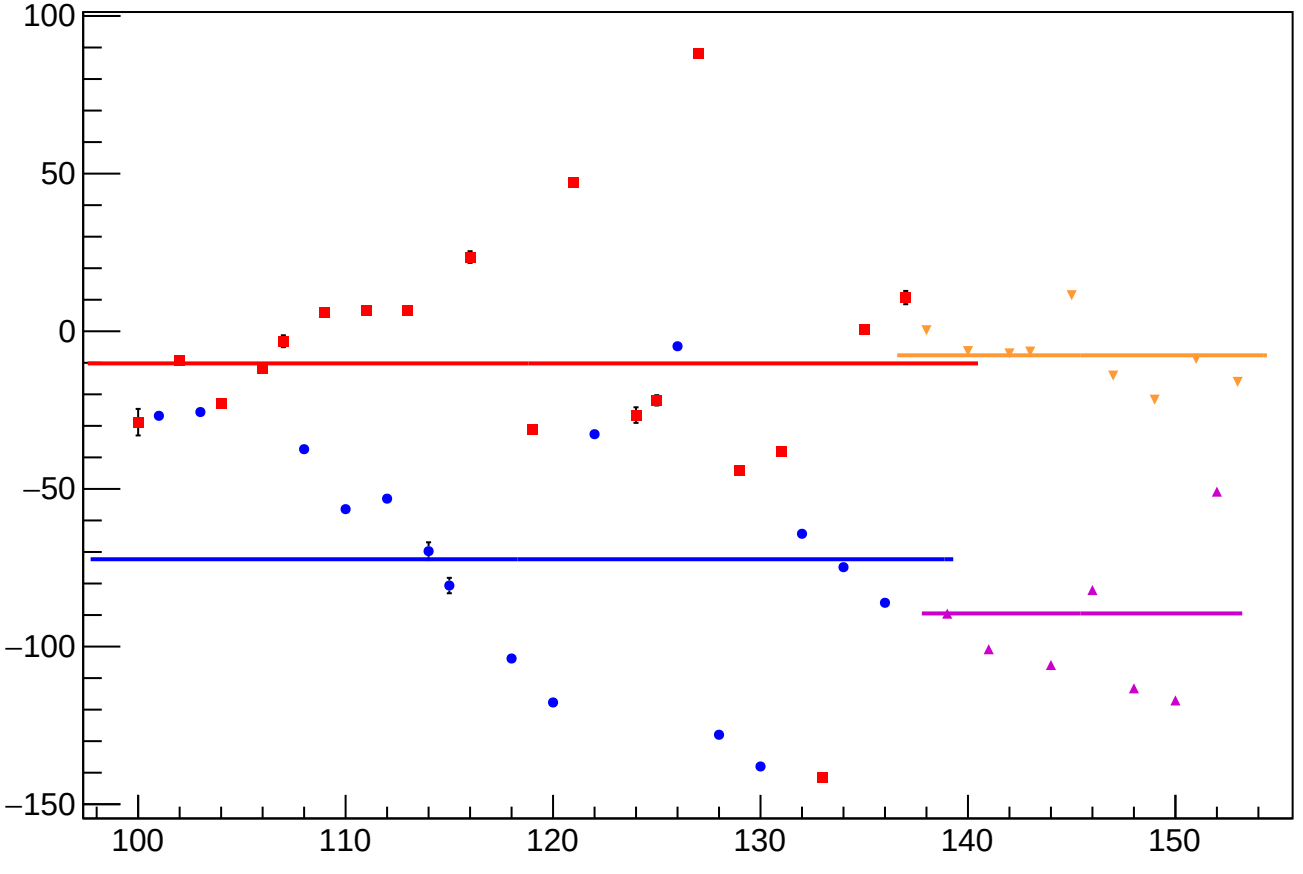
Left In: 1382.782+/-0.396 χ^2/NDF:57291.4/6

+ sign 1350.099+/-0.254 χ^2/NDF: 204289.4/24

All: 1347.602+/-0.181 χ^2/NDF: 364470.8/50

- sign 1345.017+/-0.259 χ^2/NDF: 159985.2/25

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -7.623+/-0.339 χ^2/NDF:673.6/8

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

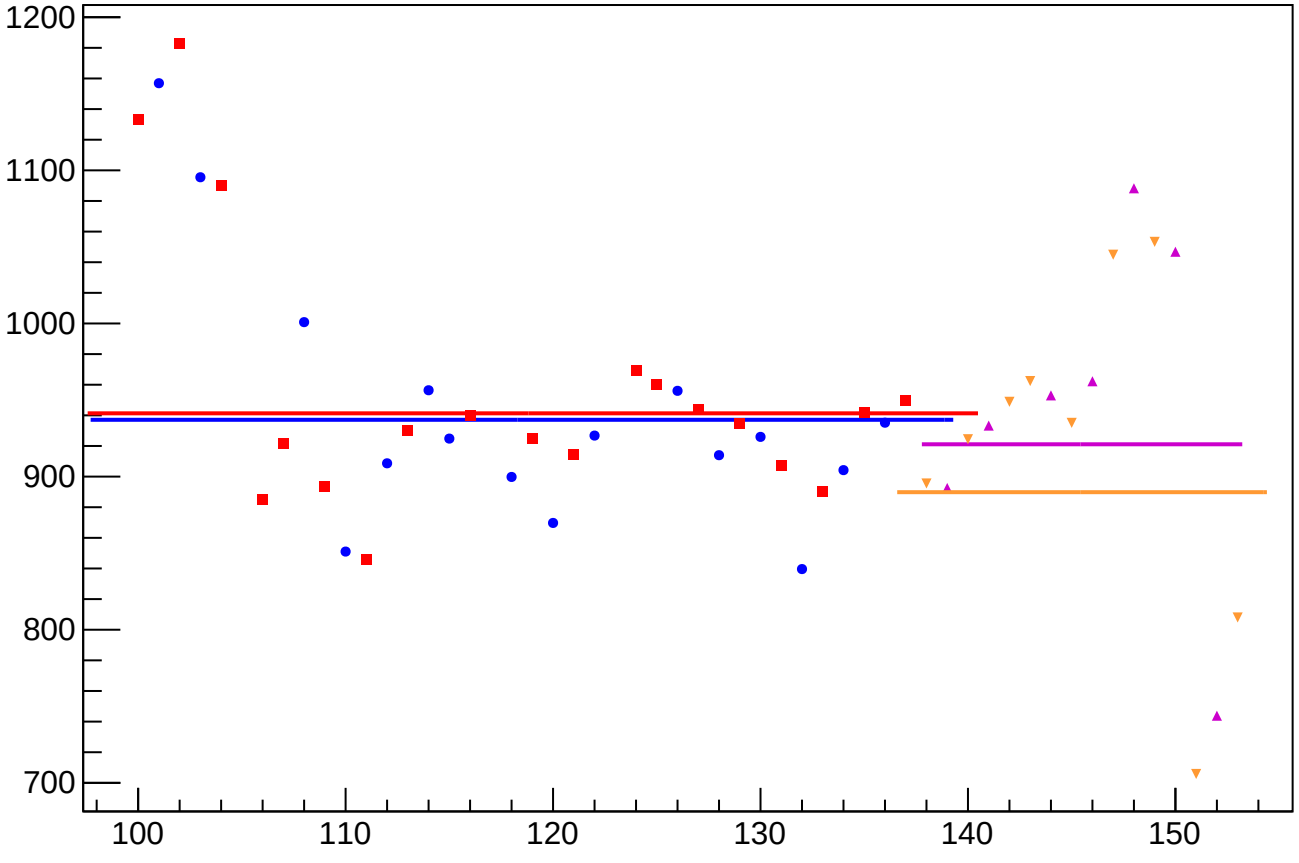
Left In: -89.490+/-0.375 χ^2/NDF:3790.6/6

+ sign -38.944+/-0.243 χ^2/NDF: 30496.5/24

All: -42.572+/-0.176 χ^2/NDF: 78067.4/50

- sign -46.518+/-0.254 χ^2/NDF: 47106.3/25

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 889.825+/-0.239 χ^2/NDF:227303.0/8

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

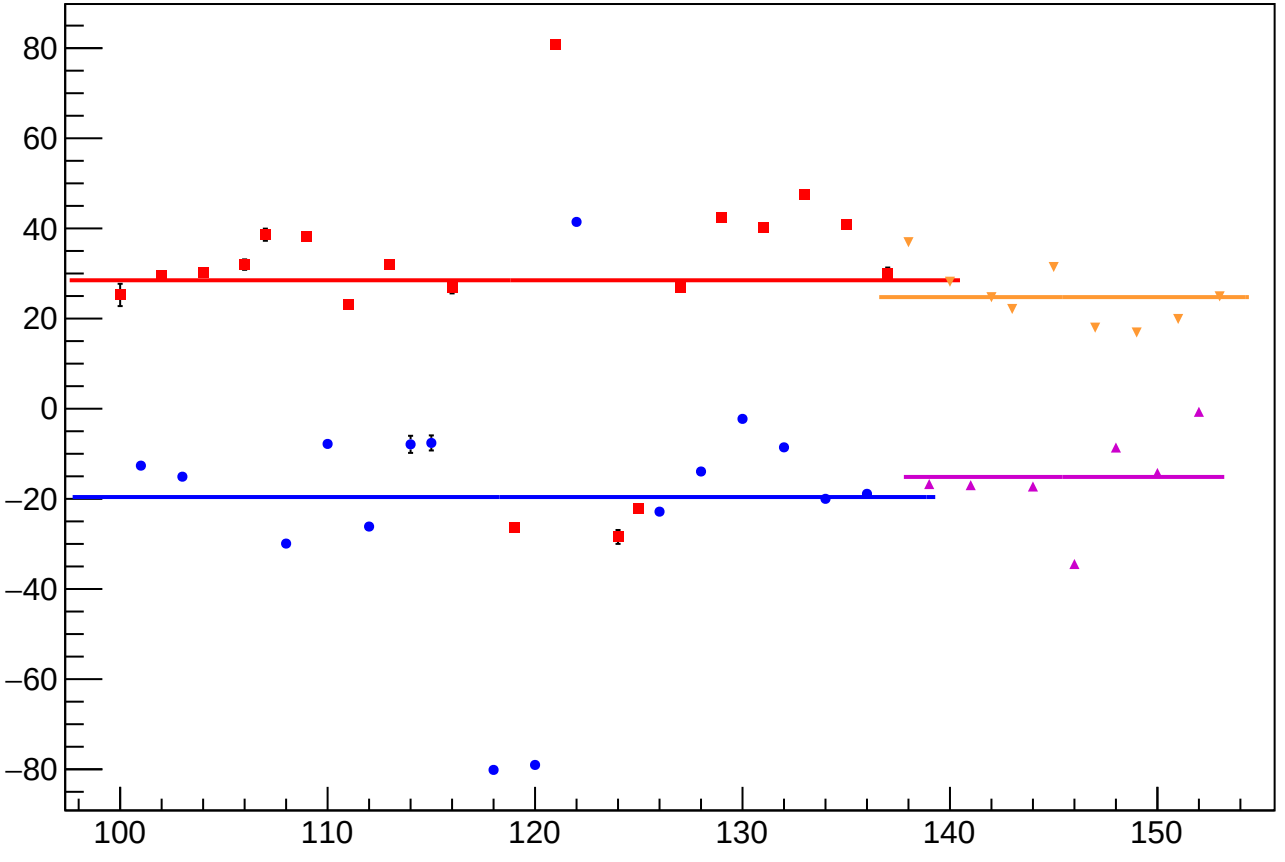
Left In: 921.102+/-0.265 χ^2/NDF:170454.5/6

\+ sign 912.716+/-0.172 χ^2/NDF: 350839.0/24

All: 921.981+/-0.124 χ^2/NDF: 631541.9/50

\- sign 932.059+/-0.179 χ^2/NDF: 274641.8/25

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.761+/-0.243 χ^2/NDF:661.2/8

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

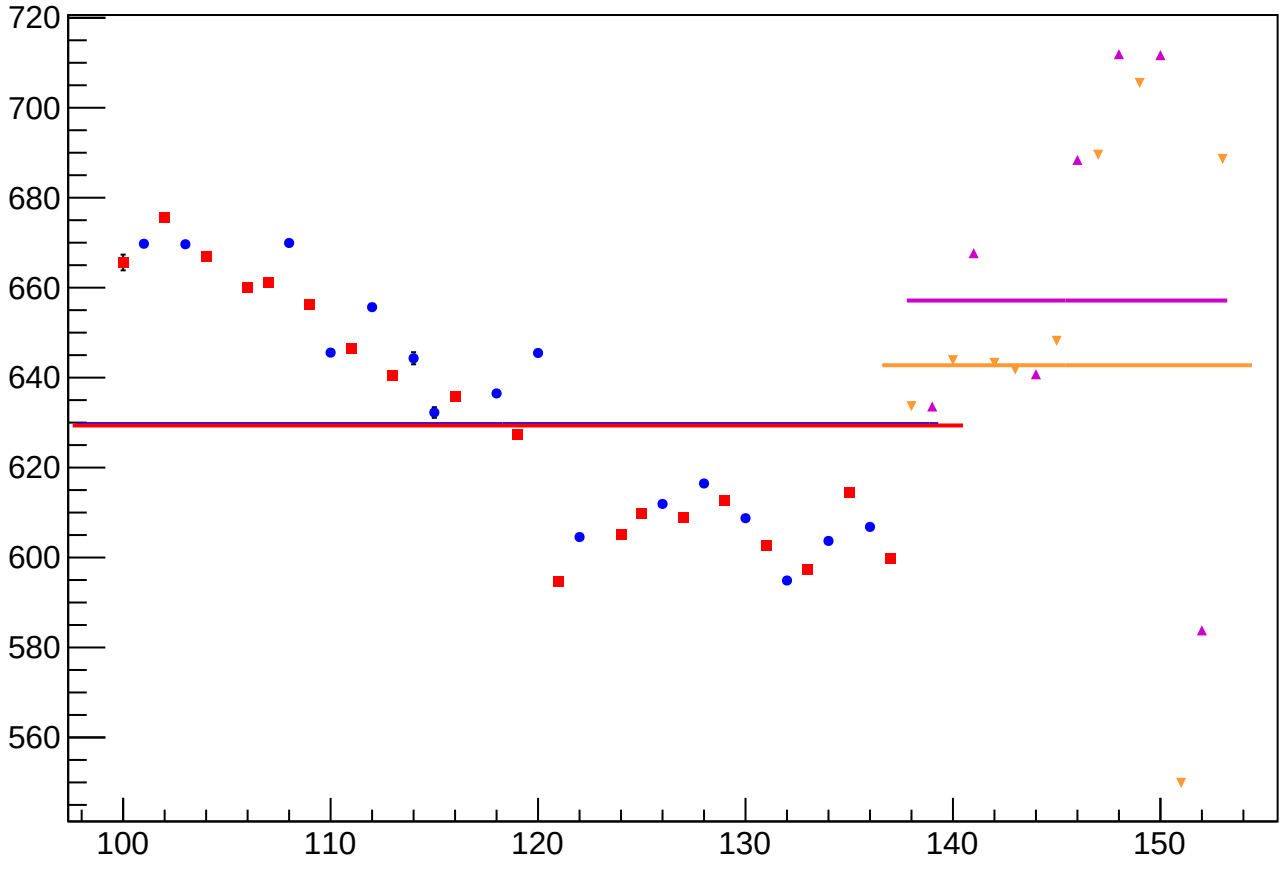
Left In: -15.138+/-0.266 χ^2/NDF:1323.5/6

+ sign 1.722+/-0.169 χ^2/NDF: 31093.7/24

All: 5.676+/-0.121 χ^2/NDF: 61921.2/50

- sign 9.879+/-0.174 χ^2/NDF: 29694.0/25

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 642.756+/-0.172 χ^2/NDF:76724.3/8

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

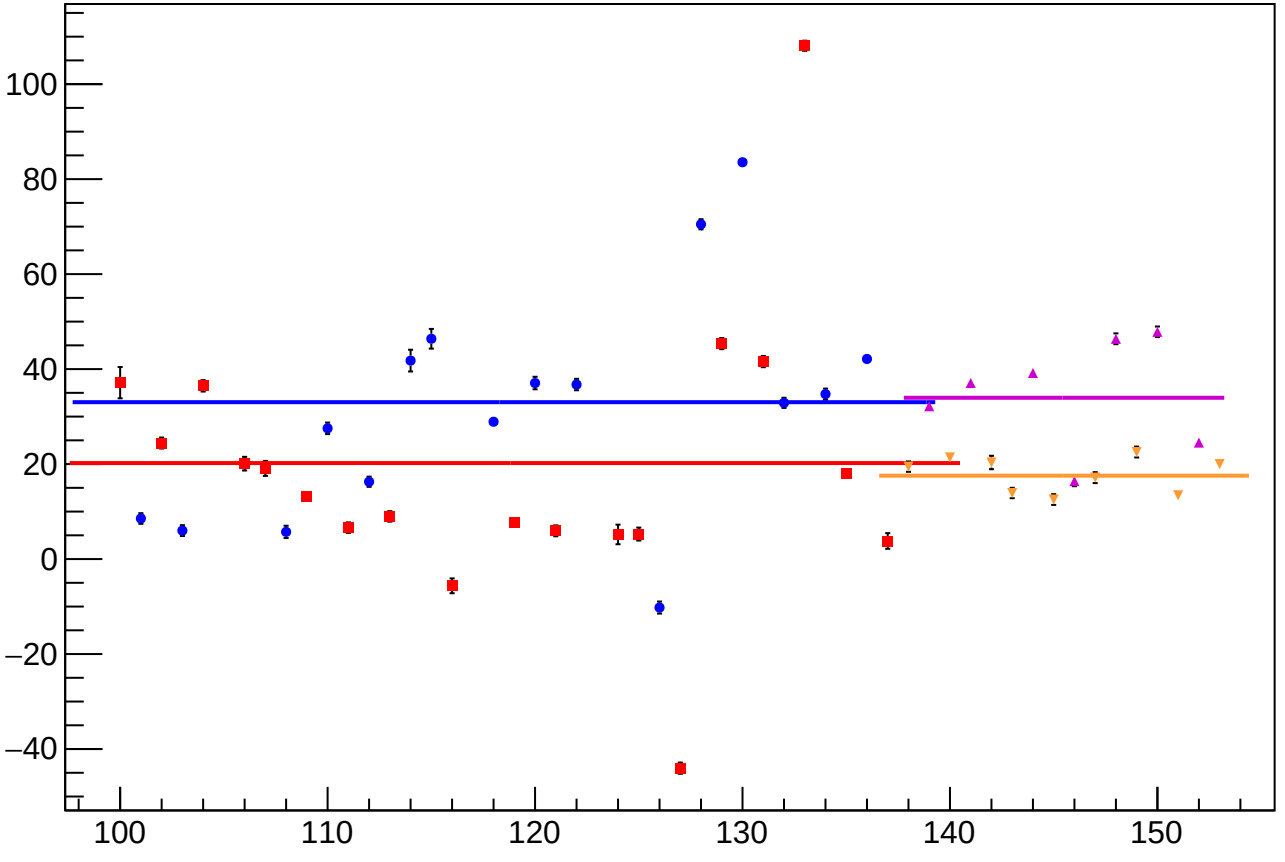
Left In: 657.140+/-0.188 χ^2/NDF:54930.8/6

+ sign 635.954+/-0.119 χ^2/NDF: 105049.2/24

All: 638.504+/-0.086 χ^2/NDF: 200196.8/50

- sign 641.214+/-0.123 χ^2/NDF: 94205.1/25

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.556+/-0.361 χ^2/NDF:98.2/8

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

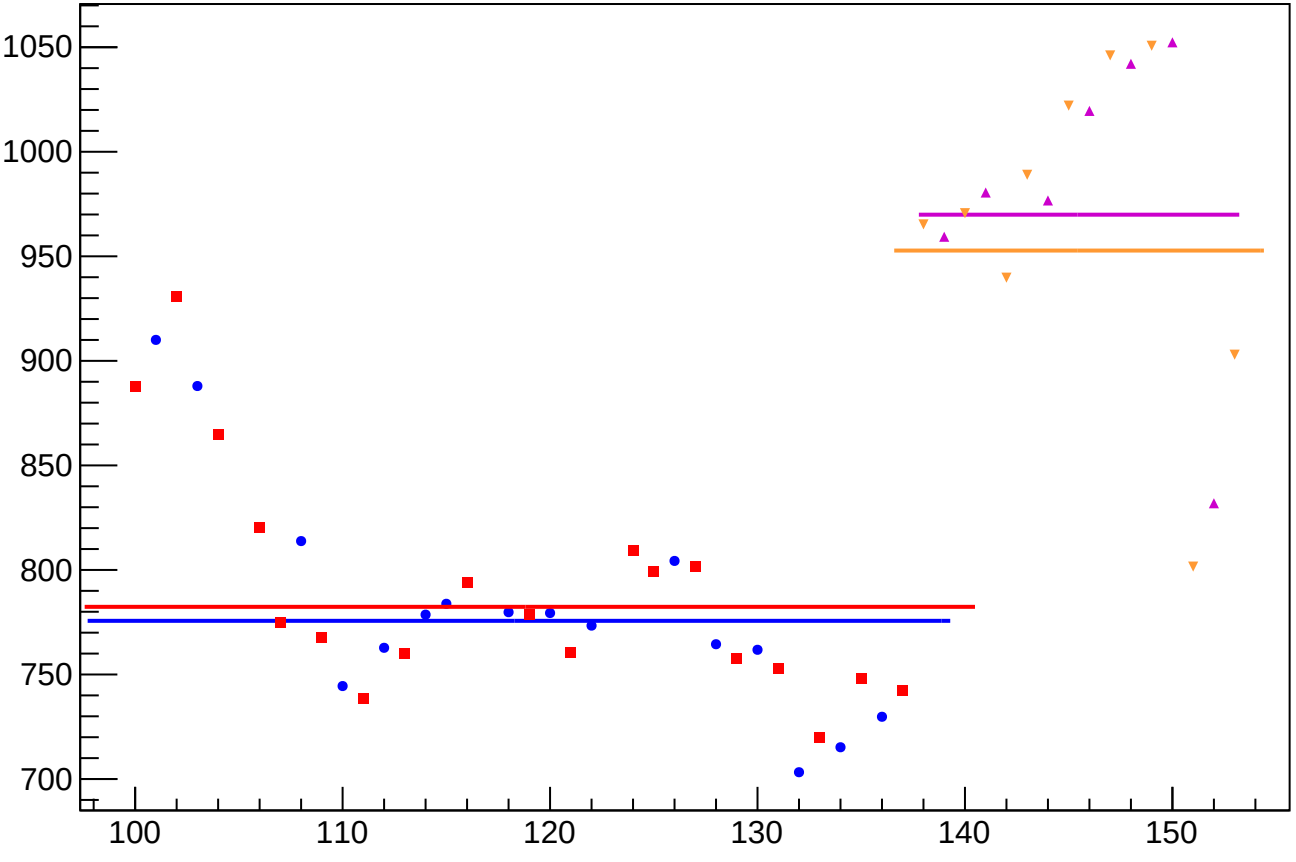
Left In: 33.964+/-0.393 χ^2/NDF:690.1/6

\+ sign 26.989+/-0.226 χ^2/NDF: 7919.1/24

All: 26.007+/-0.161 χ^2/NDF: 21317.8/50

\- sign 24.974+/-0.231 χ^2/NDF: 13359.8/25

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 952.758+/-0.255 χ^2/NDF:103359.2/8

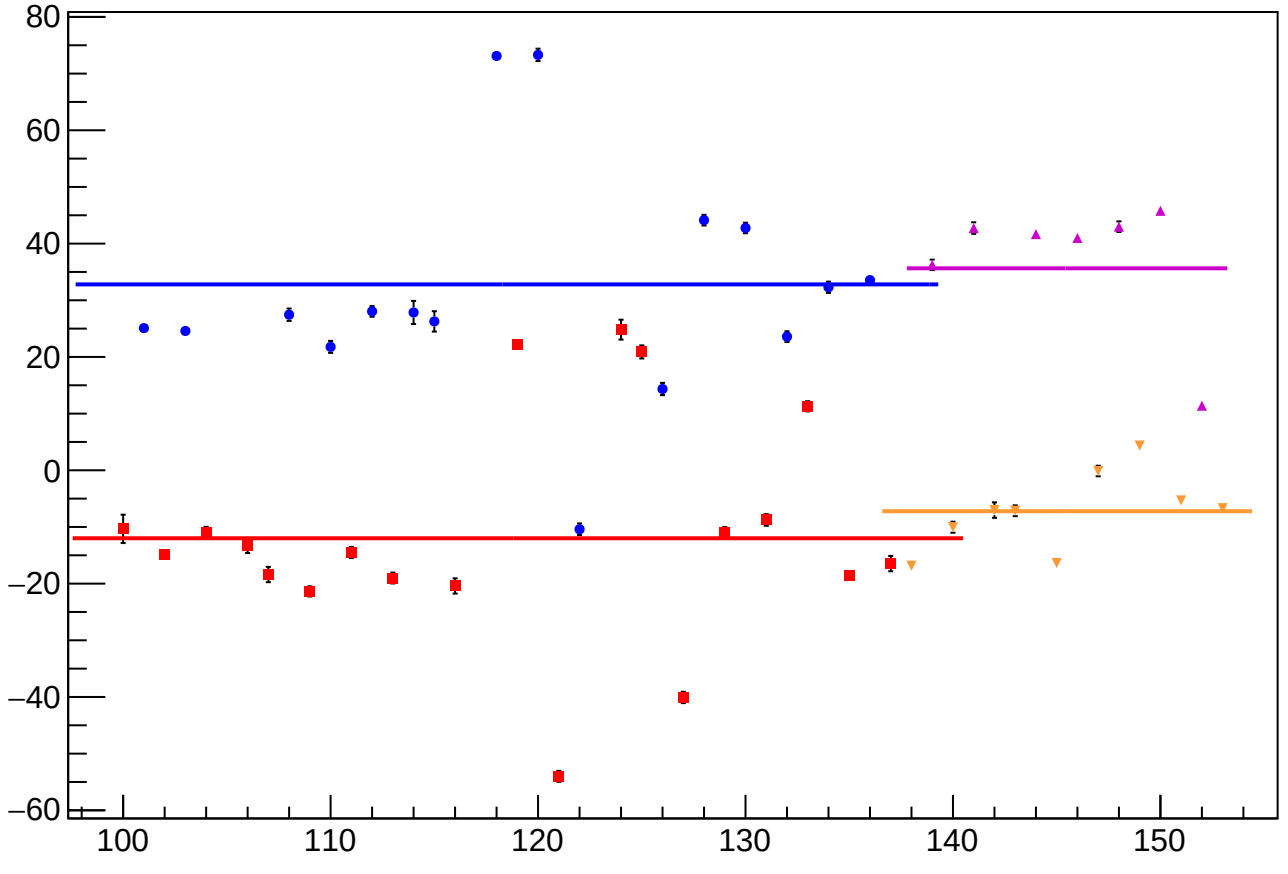
Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 969.912+/-0.278 χ^2/NDF:71219.1/6

+ sign 844.820+/-0.159 χ^2/NDF: 471476.0/24

All: 846.014+/-0.114 χ^2/NDF: 905139.3/50

- sign 847.269+/-0.164 χ^2/NDF: 433548.3/25



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.221+/-0.299 χ^2/NDF:473.6/8

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

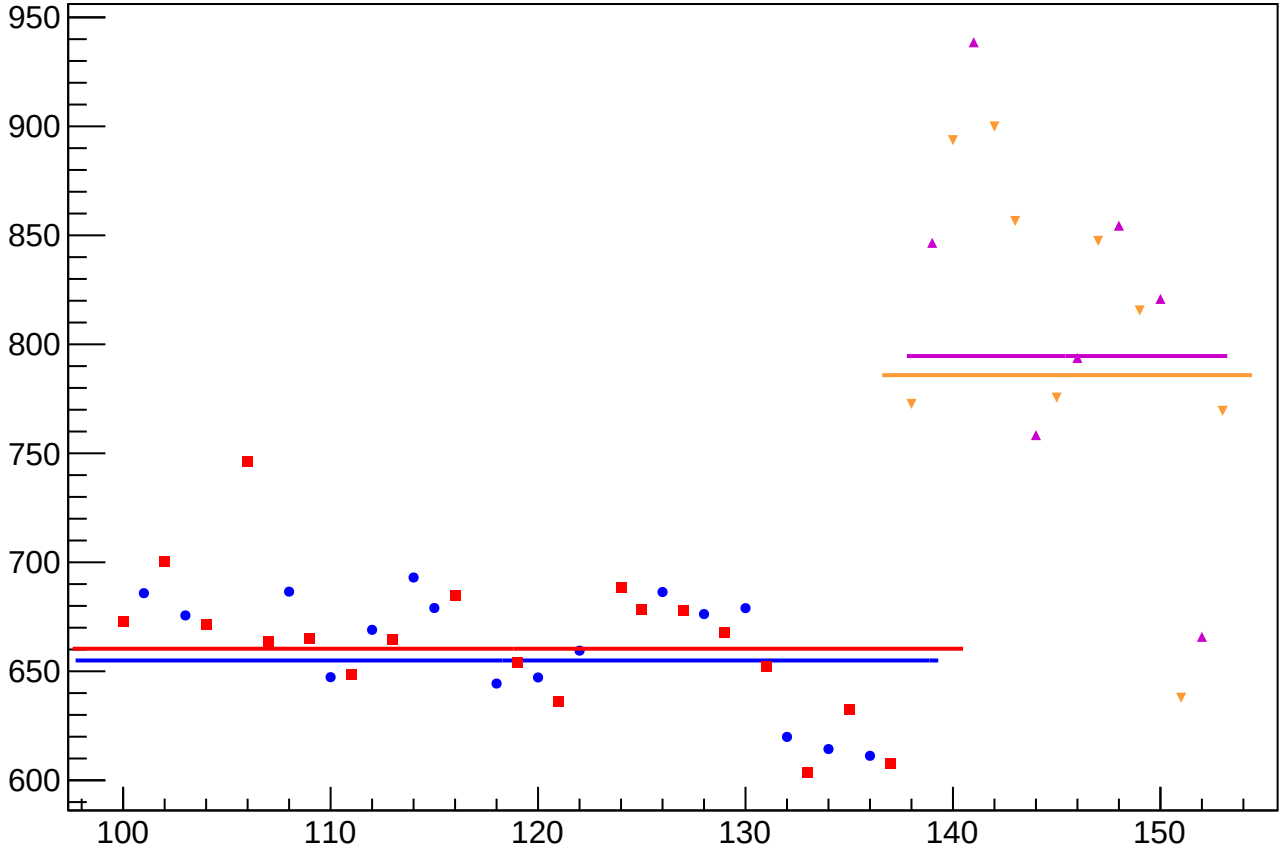
Left In: 35.639+/-0.324 χ^2/NDF:1471.6/6

+ sign 16.848+/-0.189 χ^2/NDF: 17502.1/24

All: 11.046+/-0.135 χ^2/NDF: 41351.2/50

- sign 4.951+/-0.194 χ^2/NDF: 21913.5/25

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 785.860+/-0.211 χ^2/NDF:152774.6/8

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

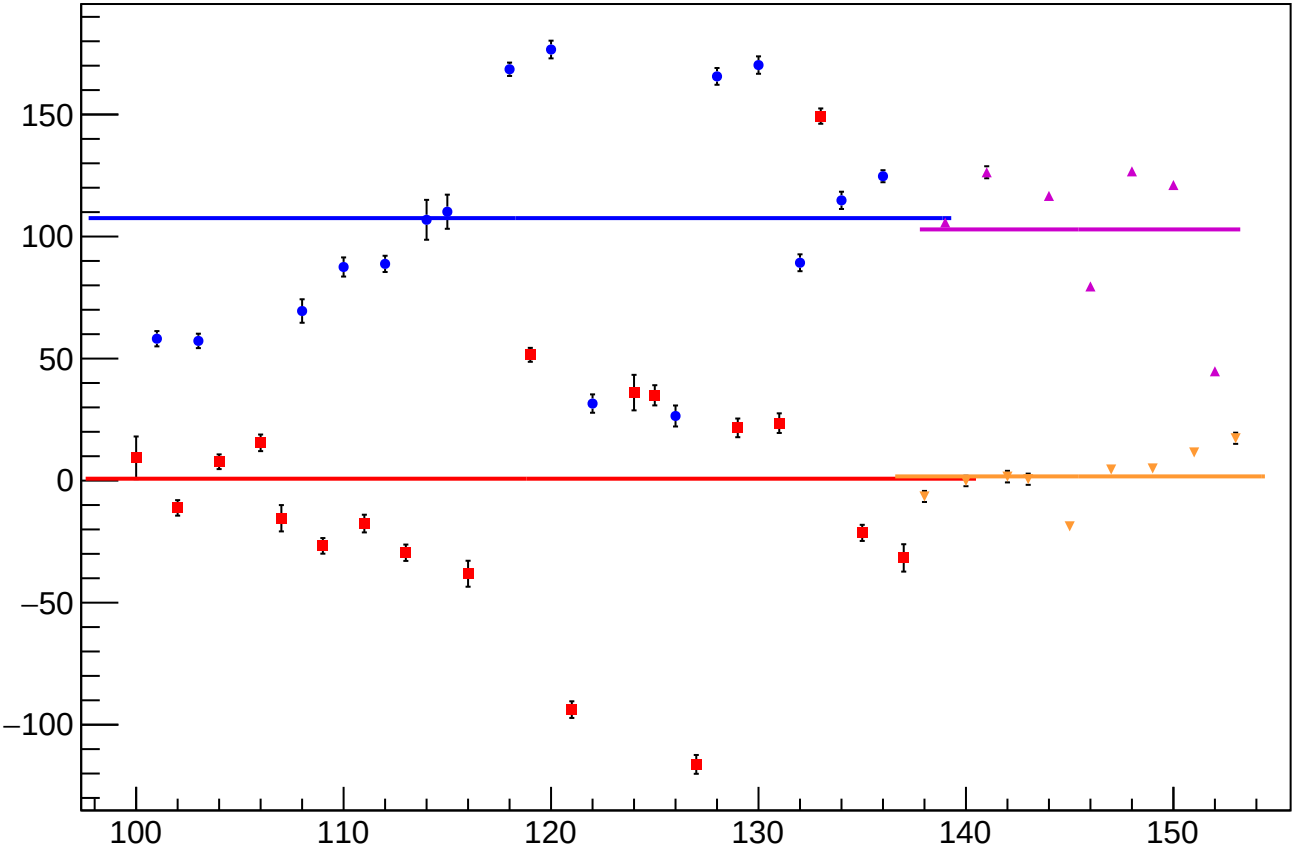
Left In: 794.625+/-0.229 χ^2/NDF:123996.6/6

+ sign 707.148+/-0.134 χ^2/NDF: 409857.7/24

All: 707.623+/-0.096 χ^2/NDF: 784915.1/50

- sign 708.121+/-0.137 χ^2/NDF: 375031.5/25

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 1.731+/-0.680 χ^2/NDF:200.2/8

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

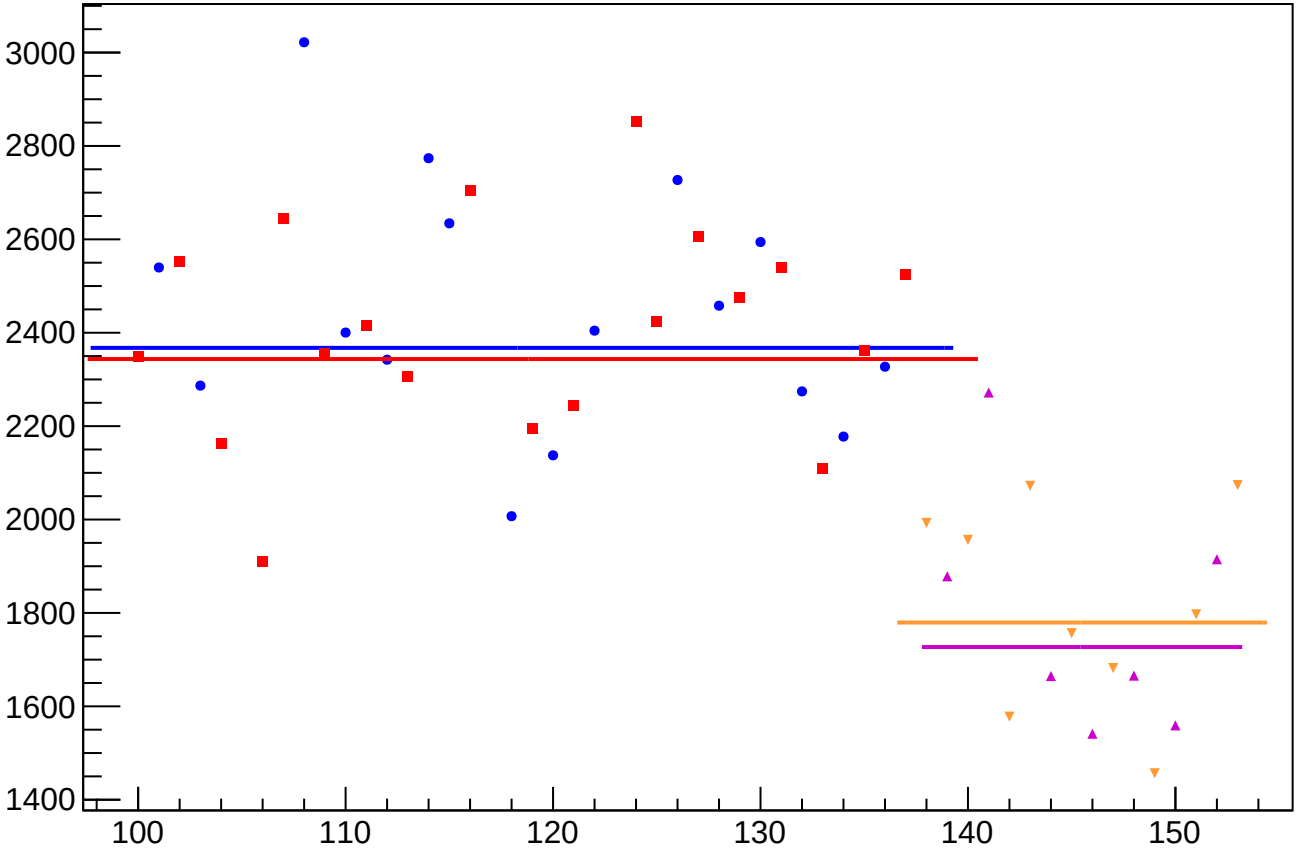
Left In: 102.915+/-0.709 χ^2/NDF:1437.4/6

+ sign 41.008+/-0.539 χ^2/NDF: 12139.1/24

All: 51.180+/-0.384 χ^2/NDF: 27450.0/50

- sign 61.648+/-0.547 χ^2/NDF: 14589.2/25

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1779.462+/-0.481 χ^2/NDF:198690.6/8

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

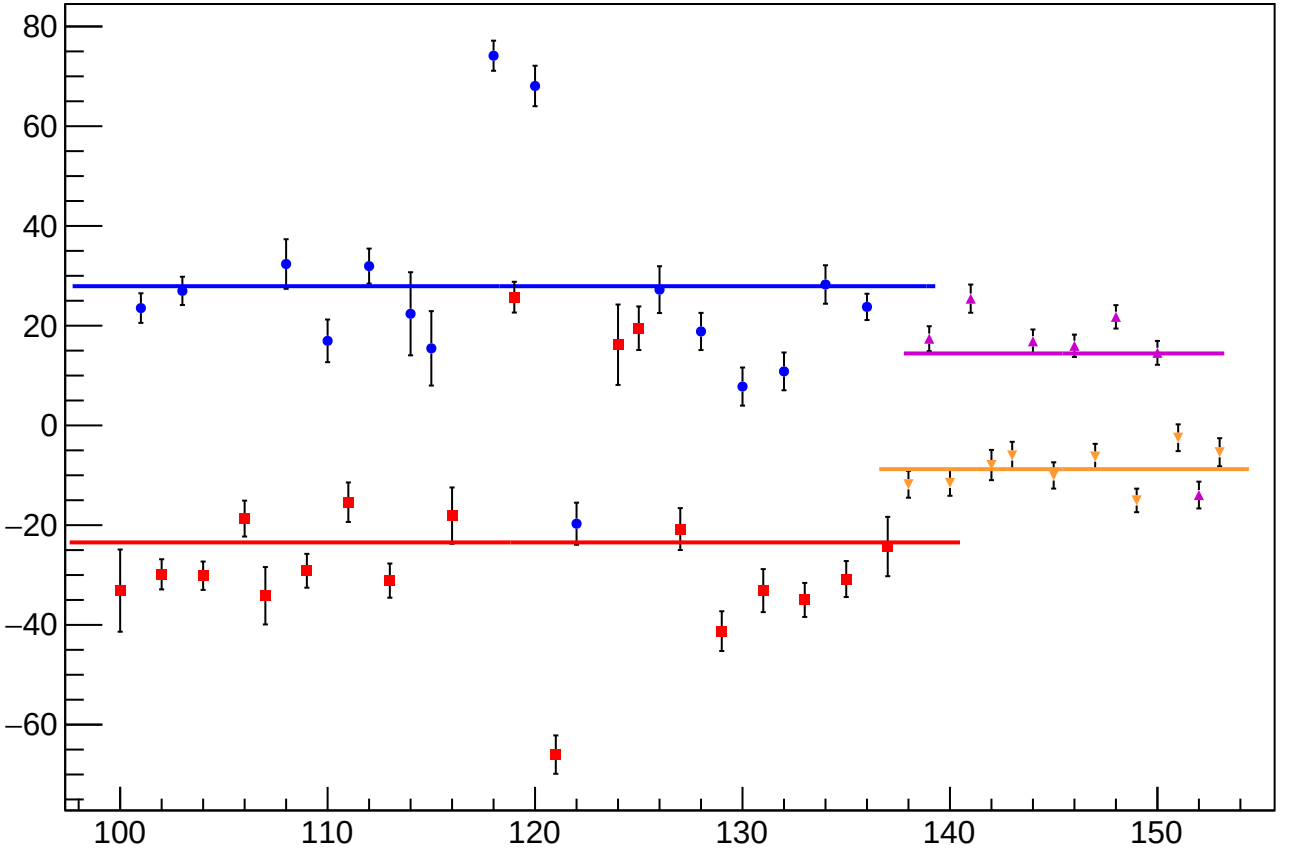
Left In: 1726.962+/-0.501 χ^2/NDF:176530.2/6

+ sign 1997.775+/-0.381 χ^2/NDF: 880528.3/24

All: 1987.128+/-0.272 χ^2/NDF: 1782709.1/50

- sign 1976.170+/-0.387 χ^2/NDF: 900599.4/25

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.766+/-0.887 χ^2/NDF:18.7/8

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

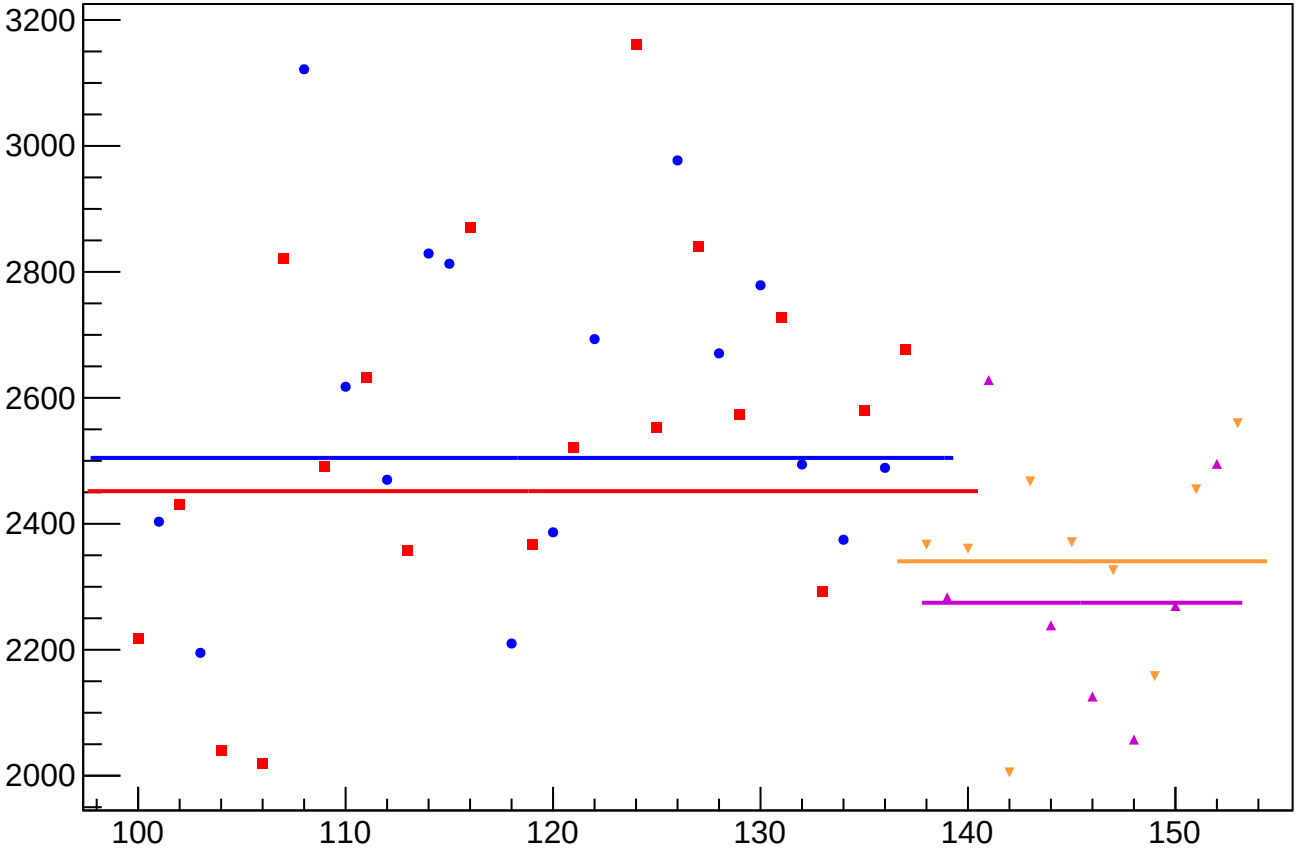
Left In: 14.431+/-0.929 χ^2/NDF:139.9/6

+ sign 8.573+/-0.644 χ^2/NDF: 1358.0/24

All: 1.790+/-0.457 χ^2/NDF: 3144.0/50

- sign -5.065+/-0.647 χ^2/NDF: 1563.0/25

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2340.509+/-0.627 χ^2/NDF:57026.1/8

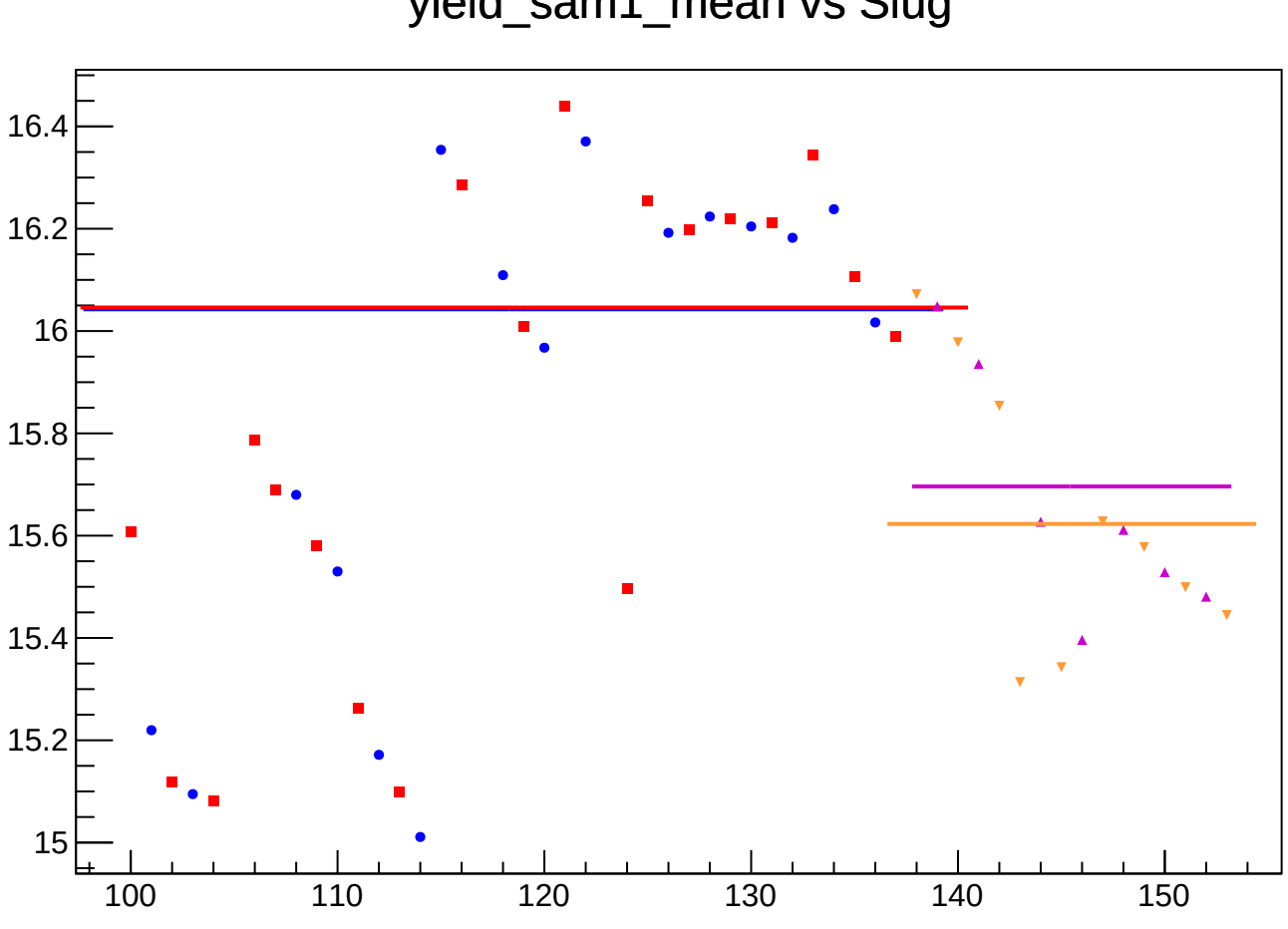
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2274.657+/-0.657 χ^2/NDF:71181.4/6

+ sign 2418.100+/-0.455 χ^2/NDF: 216005.9/24

All: 2392.114+/-0.323 χ^2/NDF: 484398.2/50

- sign 2365.850+/-0.458 χ^2/NDF: 261845.7/25



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.623+/-0.000 χ^2/NDF:4628330641.3/8

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

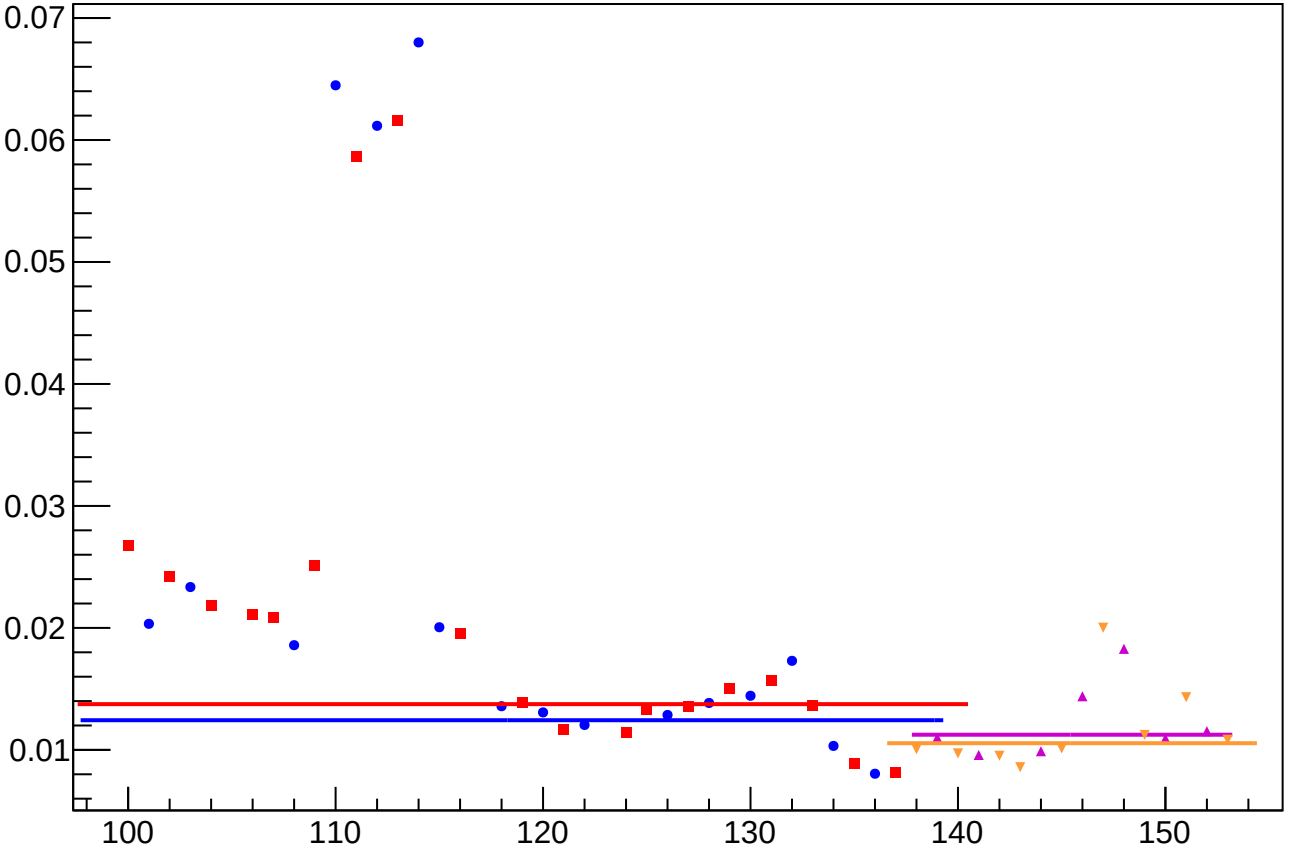
Left In: 15.696+/-0.000 χ^2/NDF:2244539241.3/6

+ sign 15.784+/-0.000 χ^2/NDF: 11333554489.6/24

All: 15.808+/-0.000 χ^2/NDF: 19438982611.6

- sign 15.838+/-0.000 χ^2/NDF: 7985119777.3/25

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:580280.3/8

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

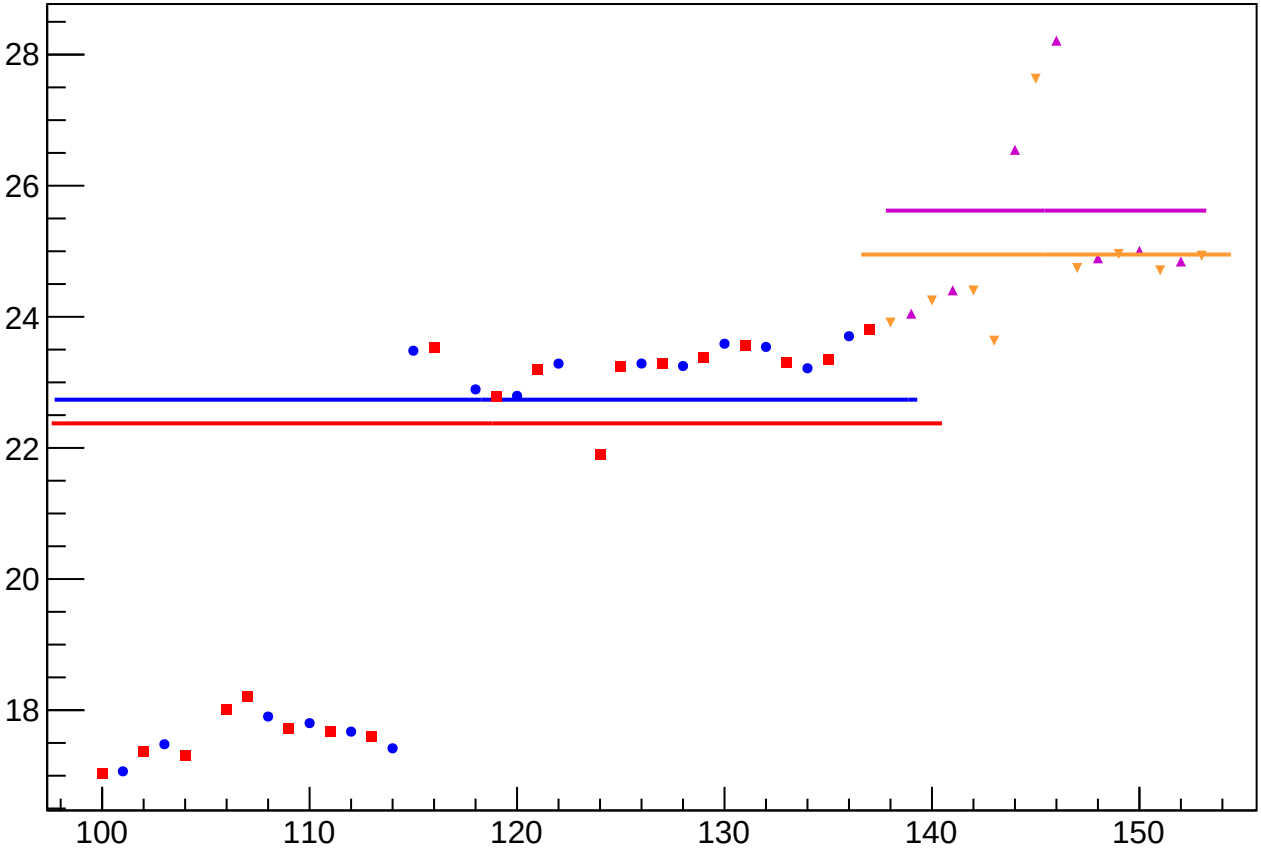
Left In: 0.011+/-0.000 χ^2/NDF:396487.1/6

+ sign 0.011+/-0.000 χ^2/NDF: 3052986.5/24

All: 0.012+/-0.000 χ^2/NDF: 5985487.0/50

- sign 0.012+/-0.000 χ^2/NDF: 2851874.9/25

yield_sam2_mean vs Slug



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.950+/-0.000 χ^2/NDF:762664384.2/8

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

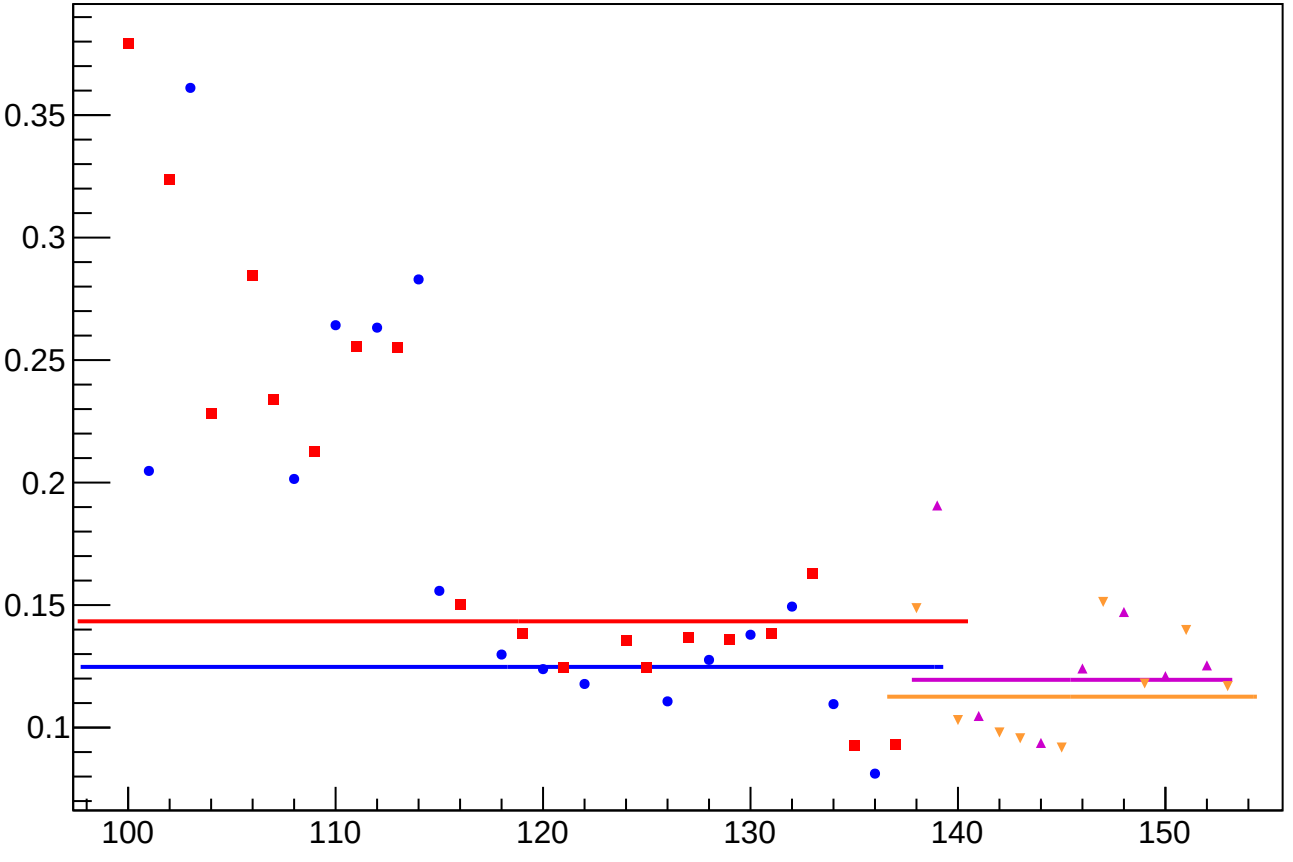
Left In: 25.620+/-0.000 χ^2/NDF:633041631.3/6

+ sign 24.001+/-0.000 χ^2/NDF: 2945723635.7/24

All: 24.090+/-0.000 χ^2/NDF: 6466543890.8/5

- sign 24.202+/-0.000 χ^2/NDF: 3506451987.7/25

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.113+/-0.000 χ^2/NDF:378981.0/8

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

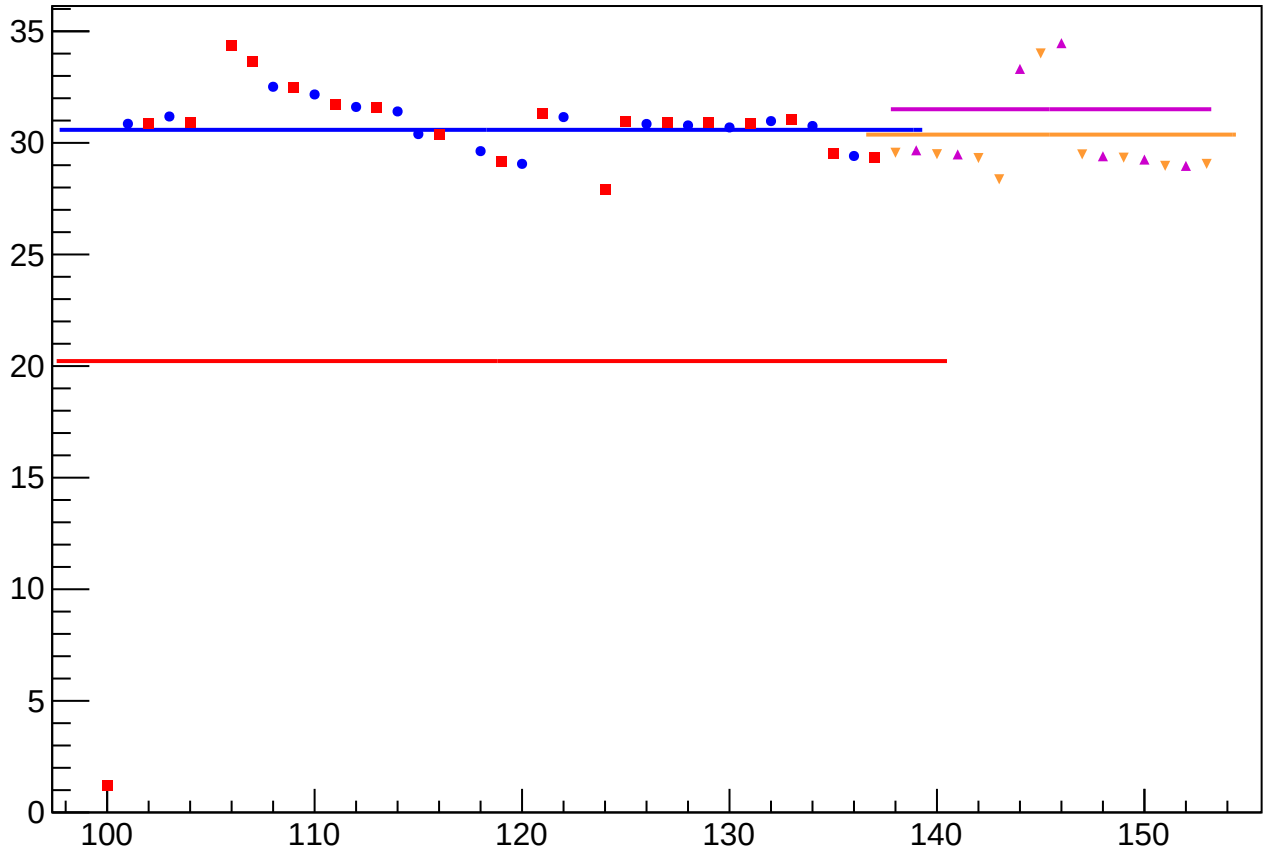
Left In: 0.119+/-0.000 χ^2/NDF:434466.4/6

+ sign 0.118+/-0.000 χ^2/NDF: 2186795.2/24

All: 0.123+/-0.000 χ^2/NDF: 4475100.8/50

- sign 0.130+/-0.000 χ^2/NDF: 2184026.4/25

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.371+/-0.000 χ^2/NDF:5067619674.9/8

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

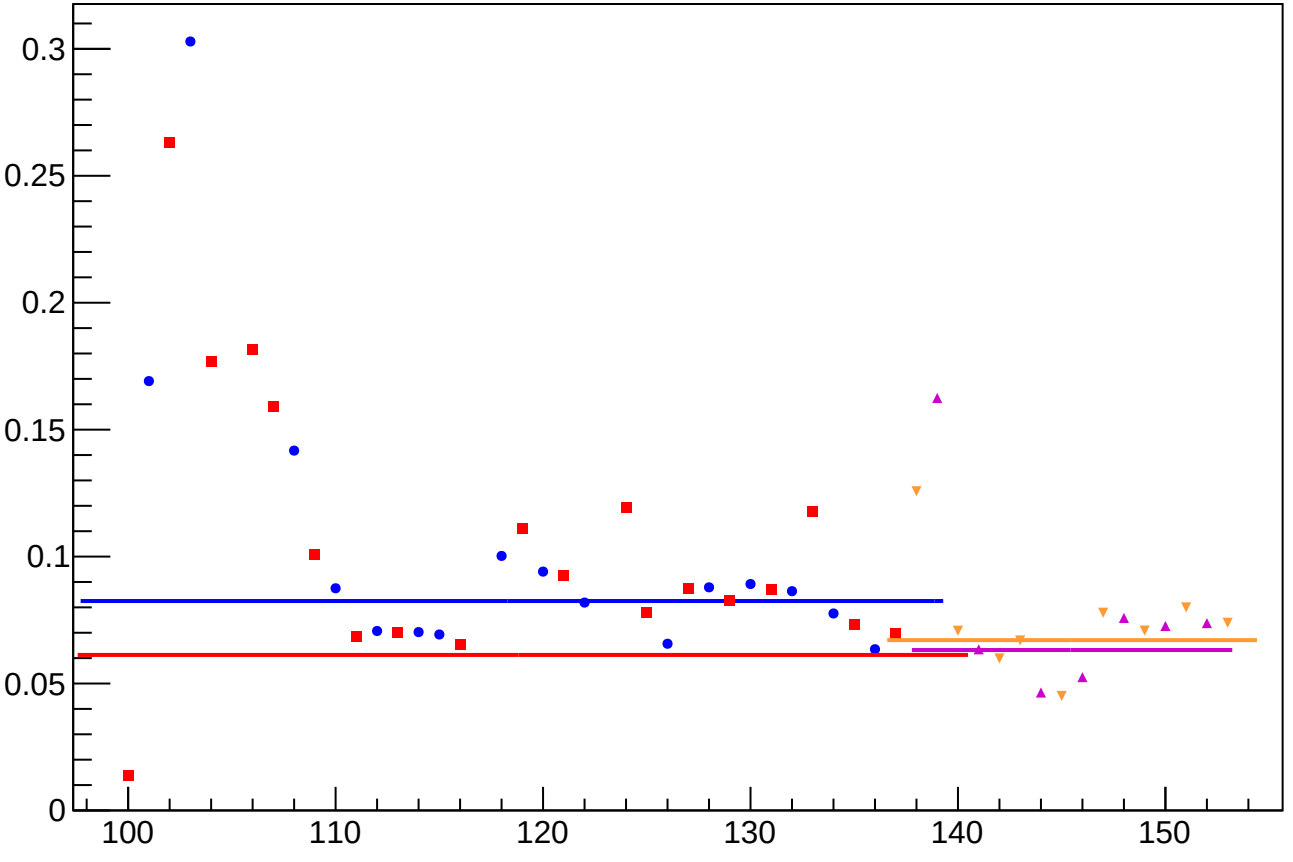
Left In: 31.507+/-0.000 χ^2/NDF:5748692137.0/6

+ sign 30.458+/-0.000 χ^2/NDF: 5740744637.9/24

All: 27.990+/-0.000 χ^2/NDF: 323208683002.

- sign 25.832+/-0.000 χ^2/NDF: 295866566975.5/25

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.067+/-0.000 χ^2/NDF:642495.0/8

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

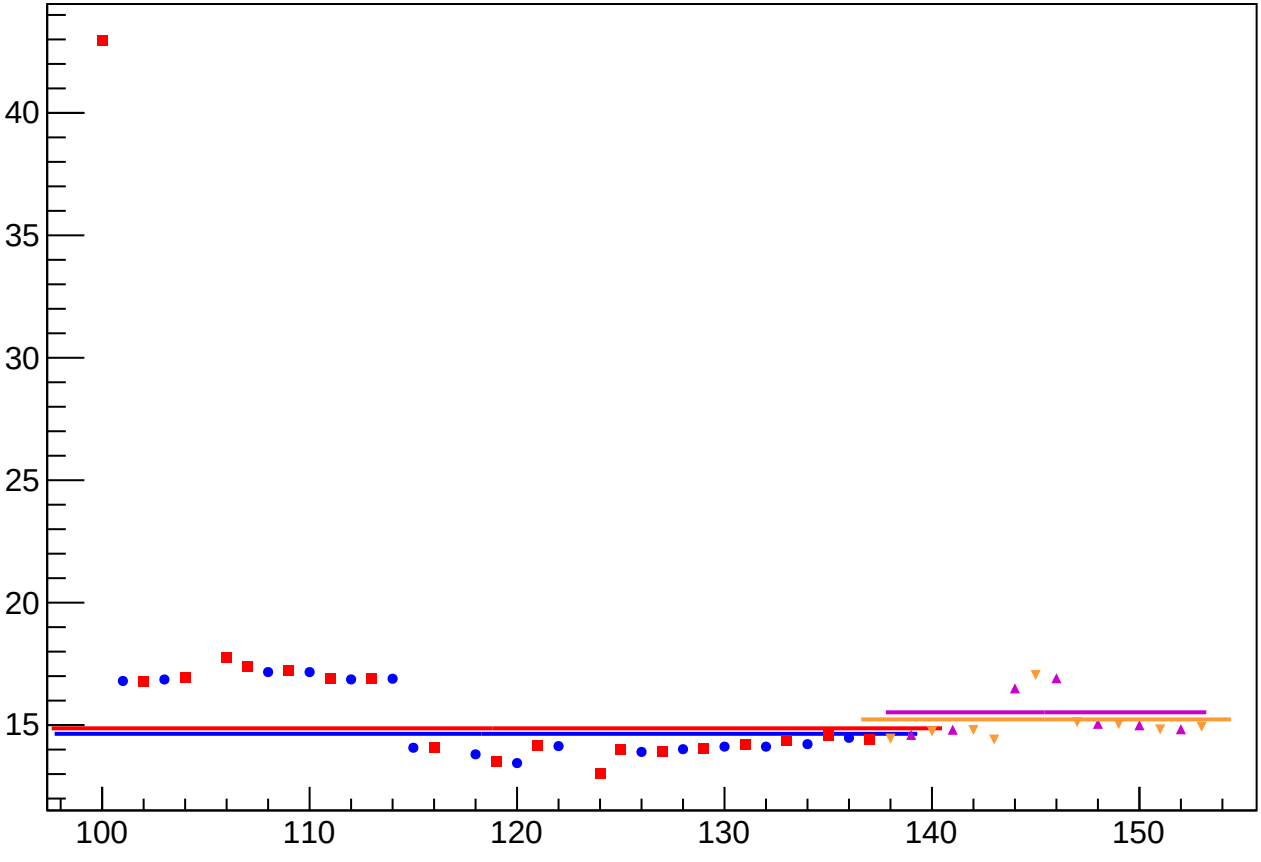
Left In: 0.063+/-0.000 χ^2/NDF:921522.9/6

+ sign 0.073+/-0.000 χ^2/NDF: 2121024.6/24

All: 0.067+/-0.000 χ^2/NDF: 7312820.4/50

- sign 0.062+/-0.000 χ^2/NDF: 4939857.2/25

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.232+/-0.000 χ^2/NDF:959303216.6/8

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

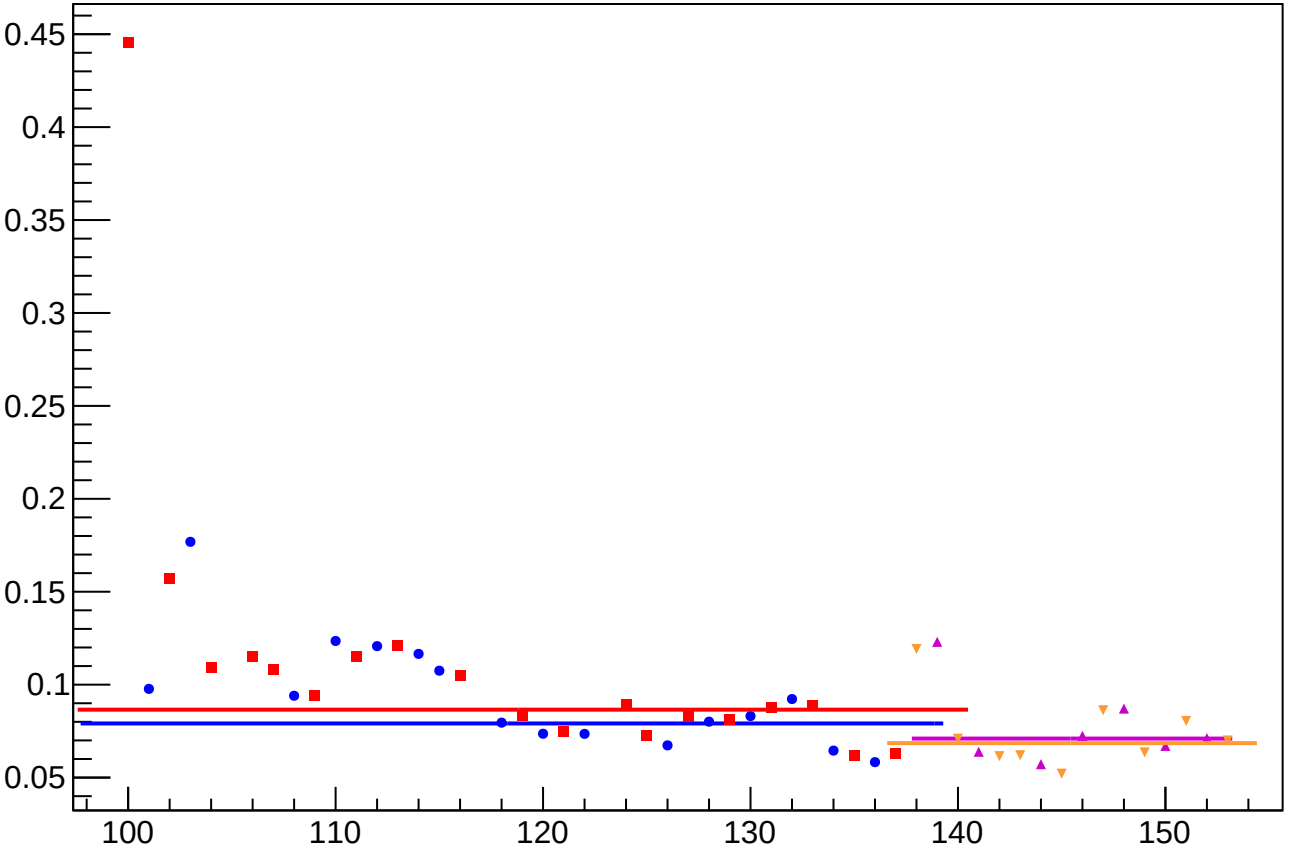
Left In: 15.522+/-0.000 χ^2/NDF:747752695.6/6

+ sign 14.973+/-0.000 χ^2/NDF: 2334471737.7/24

All: 15.089+/-0.000 χ^2/NDF: 5066849767.3/5

- sign 15.226+/-0.000 χ^2/NDF: 2669715032.5/25

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:509207.9/8

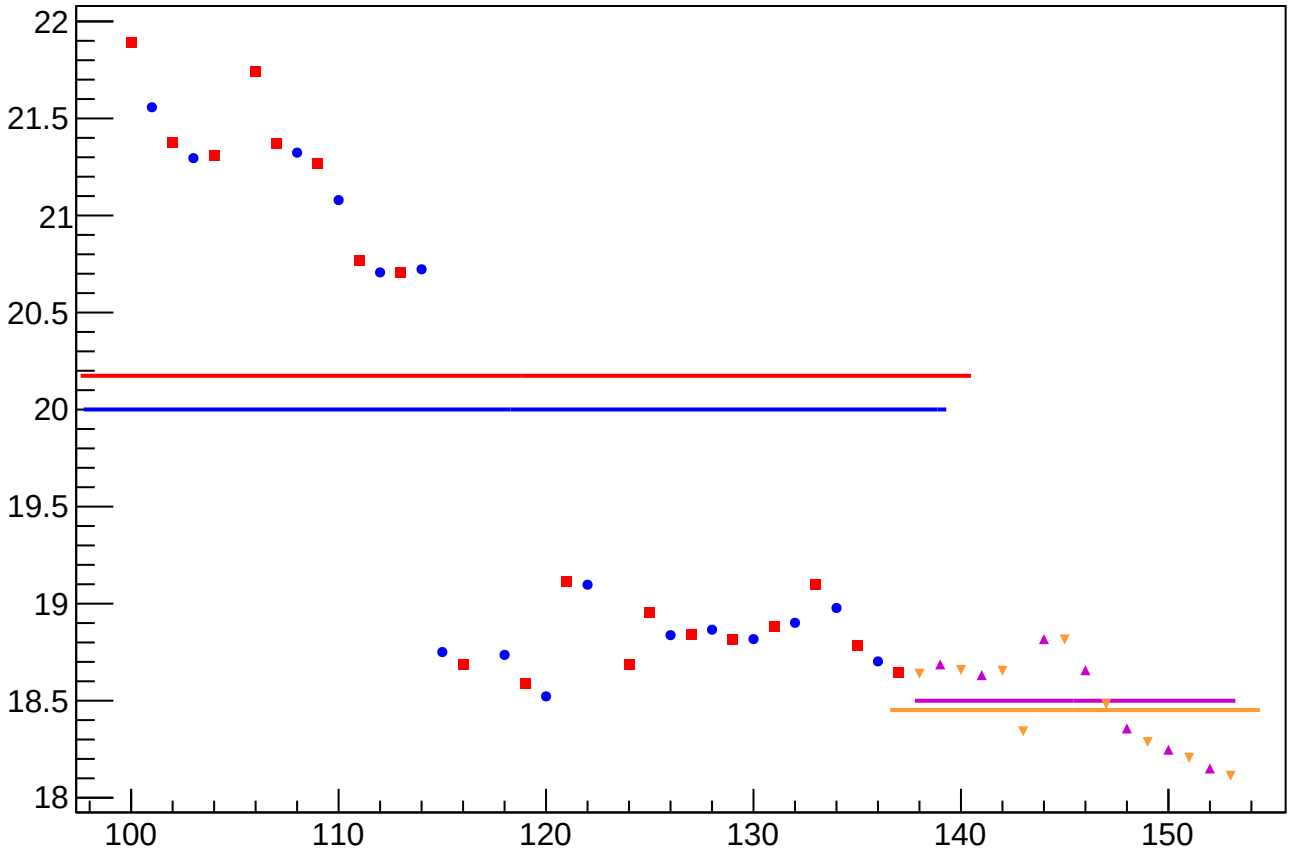
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.071+/-0.000 χ^2/NDF:446493.6/6

+ sign 0.073+/-0.000 χ^2/NDF: 1544801.3/24

All: 0.075+/-0.000 χ^2/NDF: 3047344.9/50

- sign 0.078+/-0.000 χ^2/NDF: 1457112.4/25



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.452+/-0.000 χ^2/NDF:362177984.7/8

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

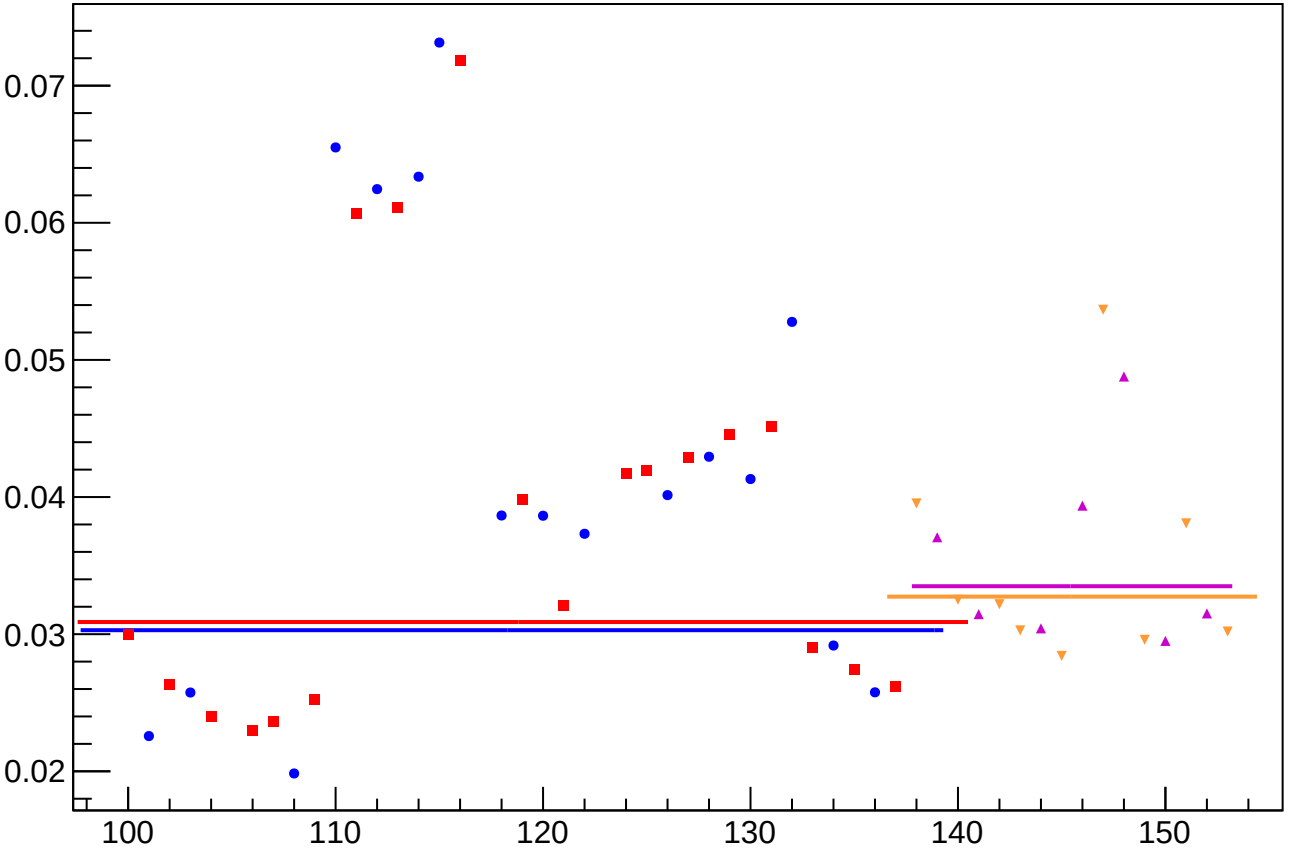
Left In: 18.500+/-0.000 χ^2/NDF:315311333.9/6

+ sign 19.252+/-0.000 χ^2/NDF: 18770905103.6/24

All: 19.343+/-0.000 χ^2/NDF: 37727567243.5

- sign 19.441+/-0.000 χ^2/NDF: 18741590373.2/25

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.033+/-0.000 χ^2/NDF:394584.0/8

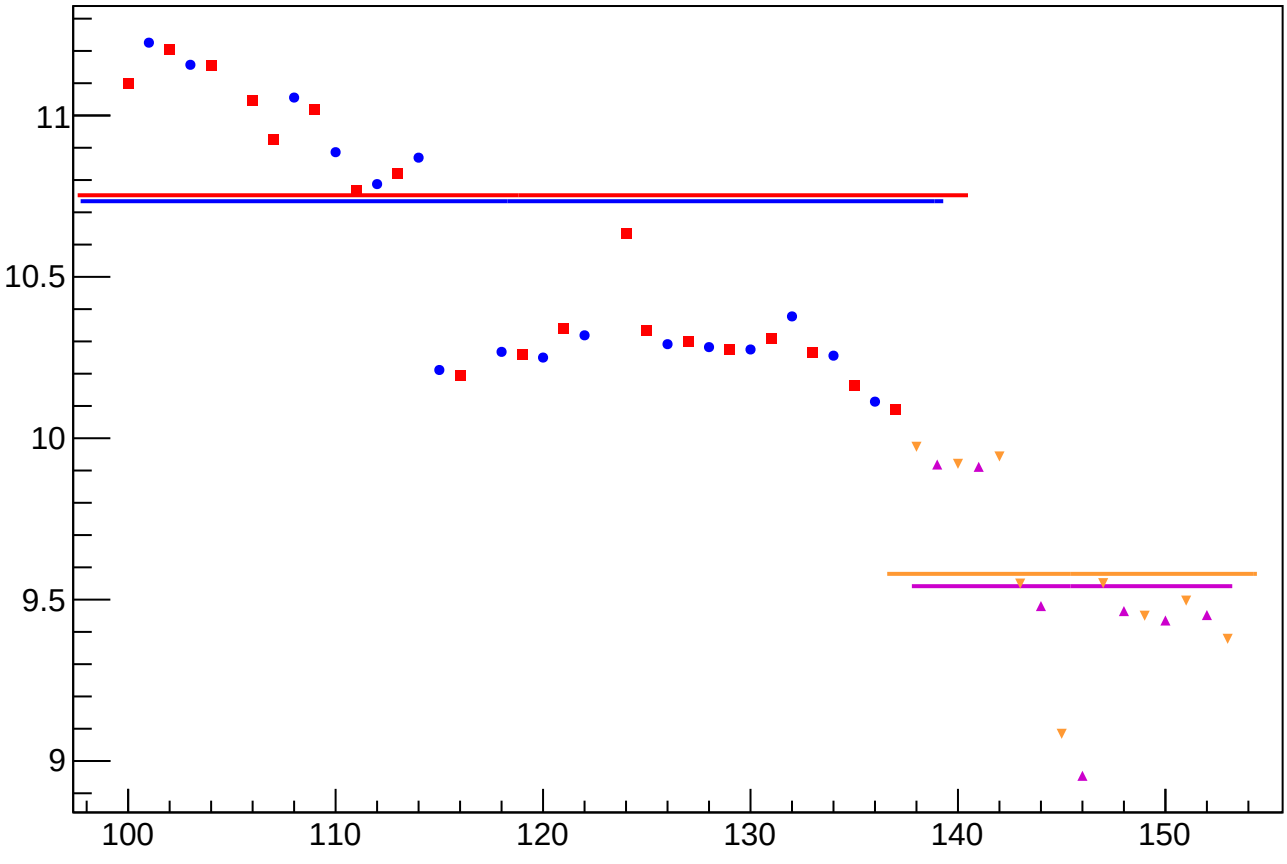
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.033+/-0.000 χ^2/NDF:269551.2/6

+ sign 0.031+/-0.000 χ^2/NDF: 1879555.5/24

All: 0.032+/-0.000 χ^2/NDF: 3396454.6/50

- sign 0.032+/-0.000 χ^2/NDF: 1513159.0/25



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.580+/-0.000 χ^2/NDF:1256919763.5/8

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

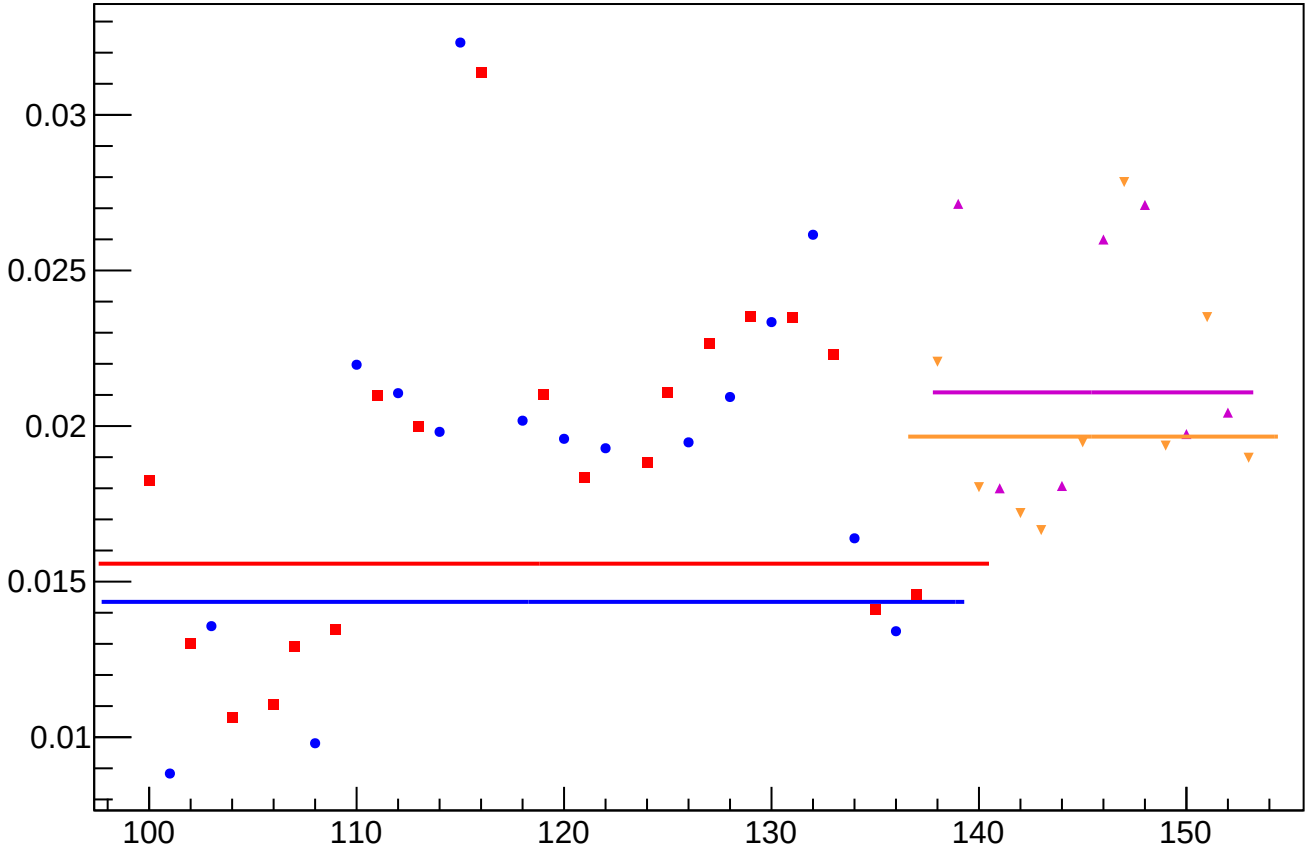
Left In: 9.542+/-0.000 χ^2/NDF:966277770.3/6

+ sign 10.307+/-0.000 χ^2/NDF: 20749248250.9/24

All: 10.331+/-0.000 χ^2/NDF: 38319473204.9

- sign 10.358+/-0.000 χ^2/NDF: 17518928725.4/25

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:273844.8/8

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

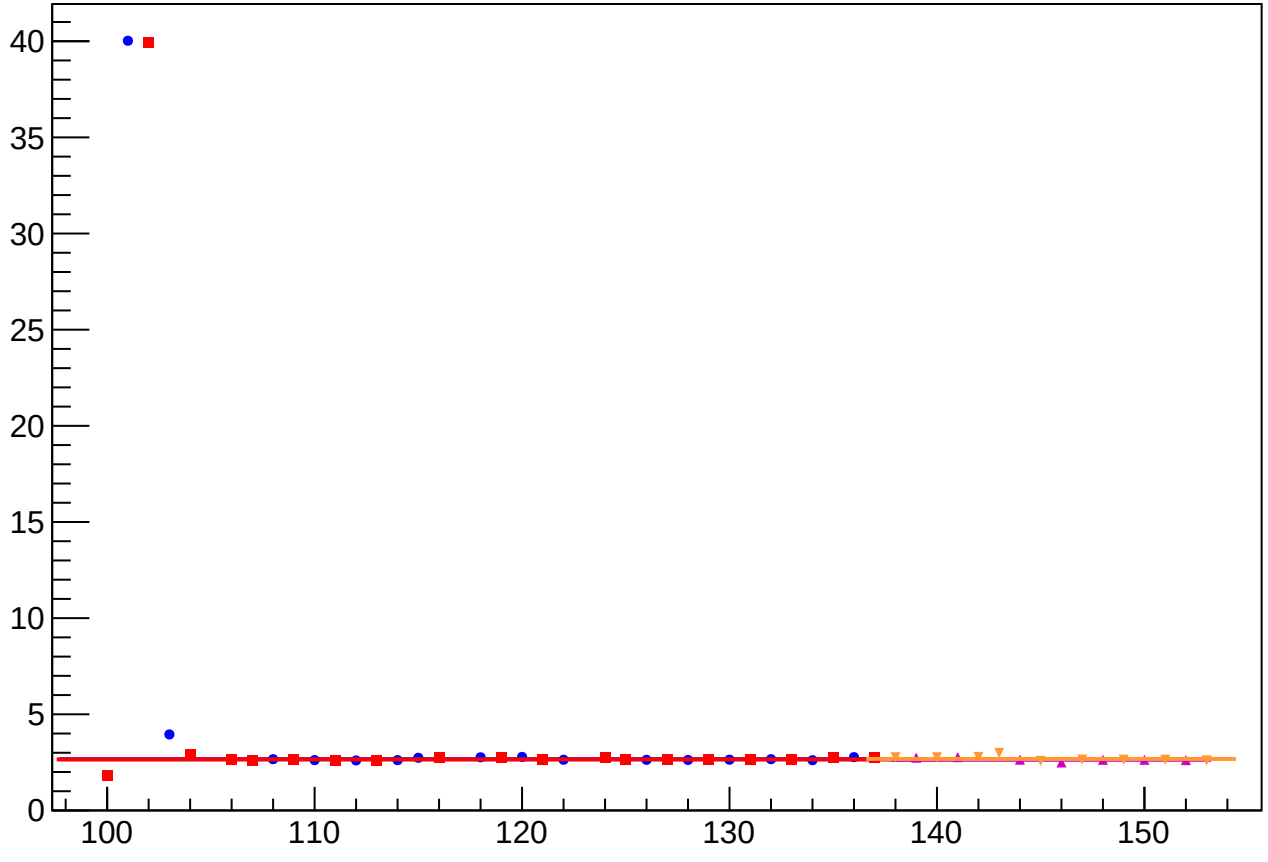
Left In: 0.021+/-0.000 χ^2/NDF:319159.6/6

+ sign 0.016+/-0.000 χ^2/NDF: 2331809.0/24

All: 0.017+/-0.000 χ^2/NDF: 4272996.3/50

- sign 0.017+/-0.000 χ^2/NDF: 1895612.9/25

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.679+/-0.000 χ^2/NDF:15949482880.1/8

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

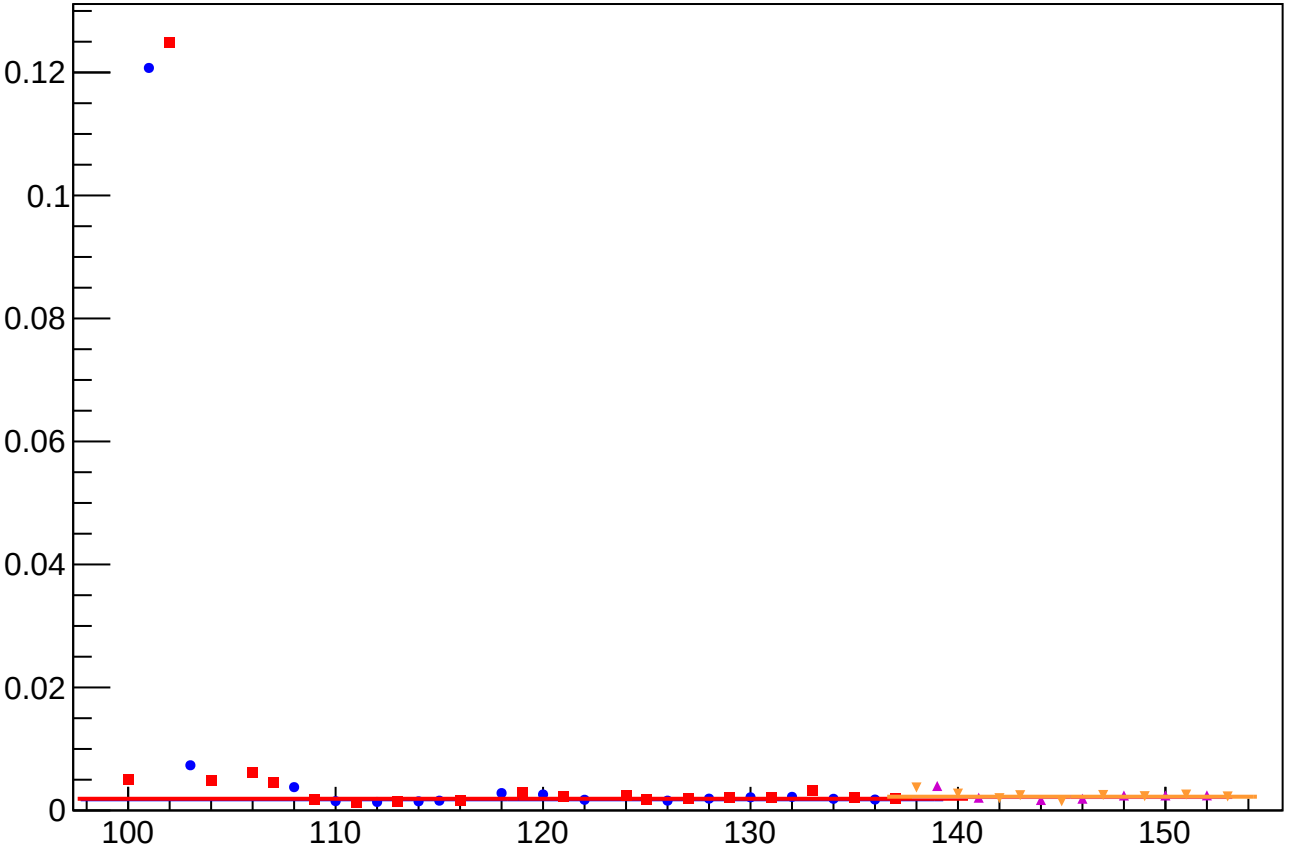
Left In: 2.635+/-0.000 χ^2/NDF:7349275156.1/6

+ sign 2.670+/-0.000 χ^2/NDF: 83940285753.0/24

All: 2.659+/-0.000 χ^2/NDF: 157265327139.6

- sign 2.648+/-0.000 χ^2/NDF: 72674994657.2/25

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:648007.4/8

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

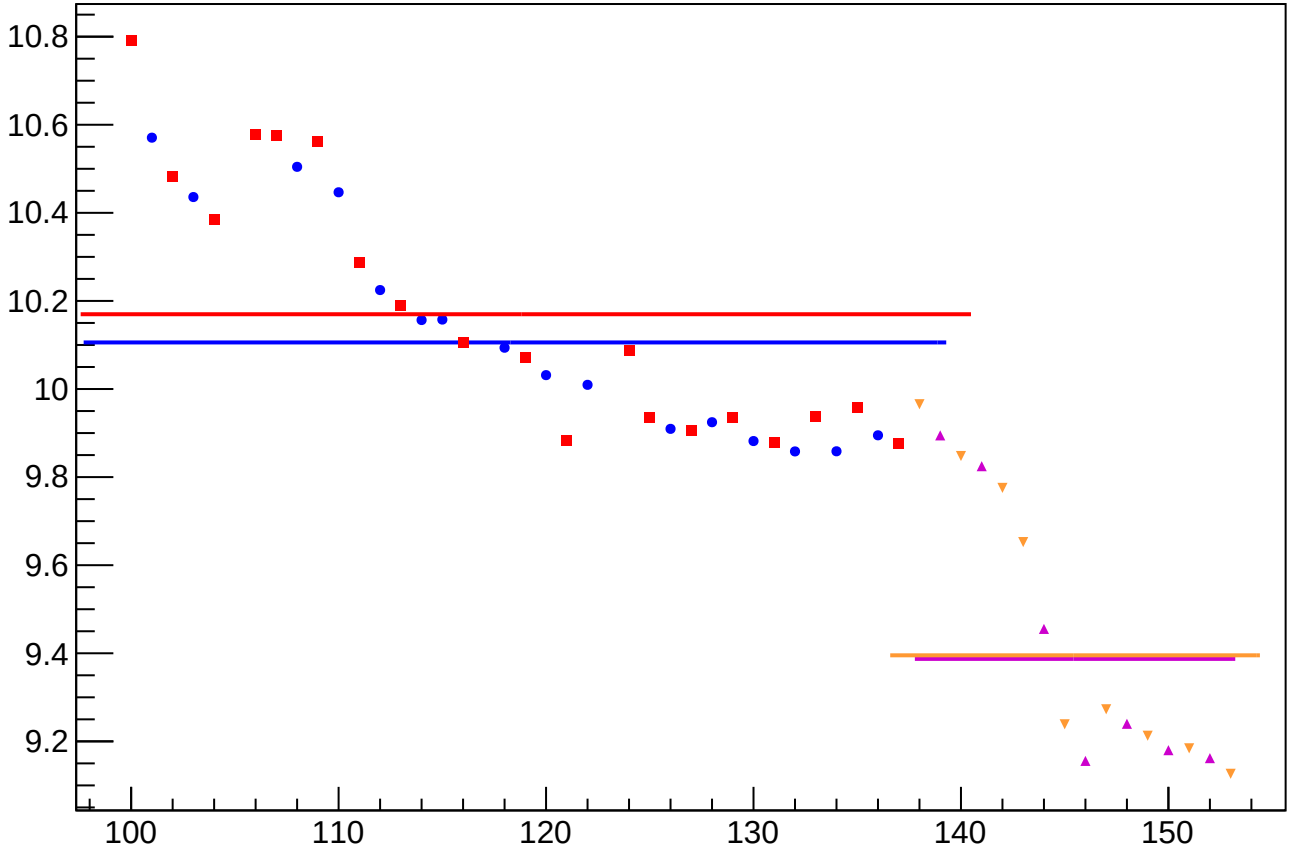
Left In: 0.002+/-0.000 χ^2/NDF:517823.0/6

+ sign 0.002+/-0.000 χ^2/NDF: 2690251.1/24

All: 0.002+/-0.000 χ^2/NDF: 5829186.8/50

- sign 0.002+/-0.000 χ^2/NDF: 3137684.3/25

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.395+/-0.000 χ^2/NDF:9791915694.2/8

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

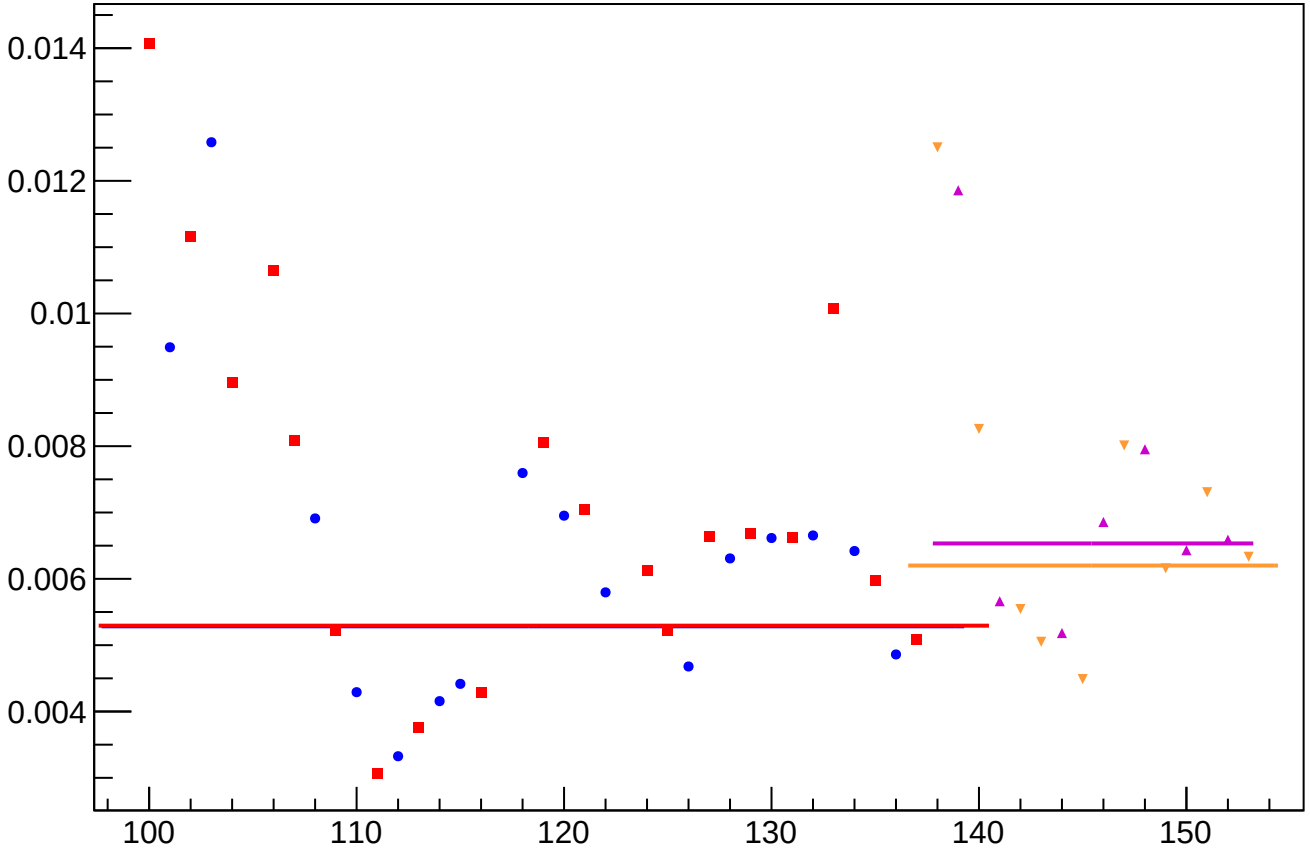
Left In: 9.387+/-0.000 χ^2/NDF:7992151814.0/6

+ sign 9.810+/-0.000 χ^2/NDF: 59590532074.3/24

All: 9.846+/-0.000 χ^2/NDF: 121401134477.8

- sign 9.886+/-0.000 χ^2/NDF: 60886495110.2/25

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:780687.9/8

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

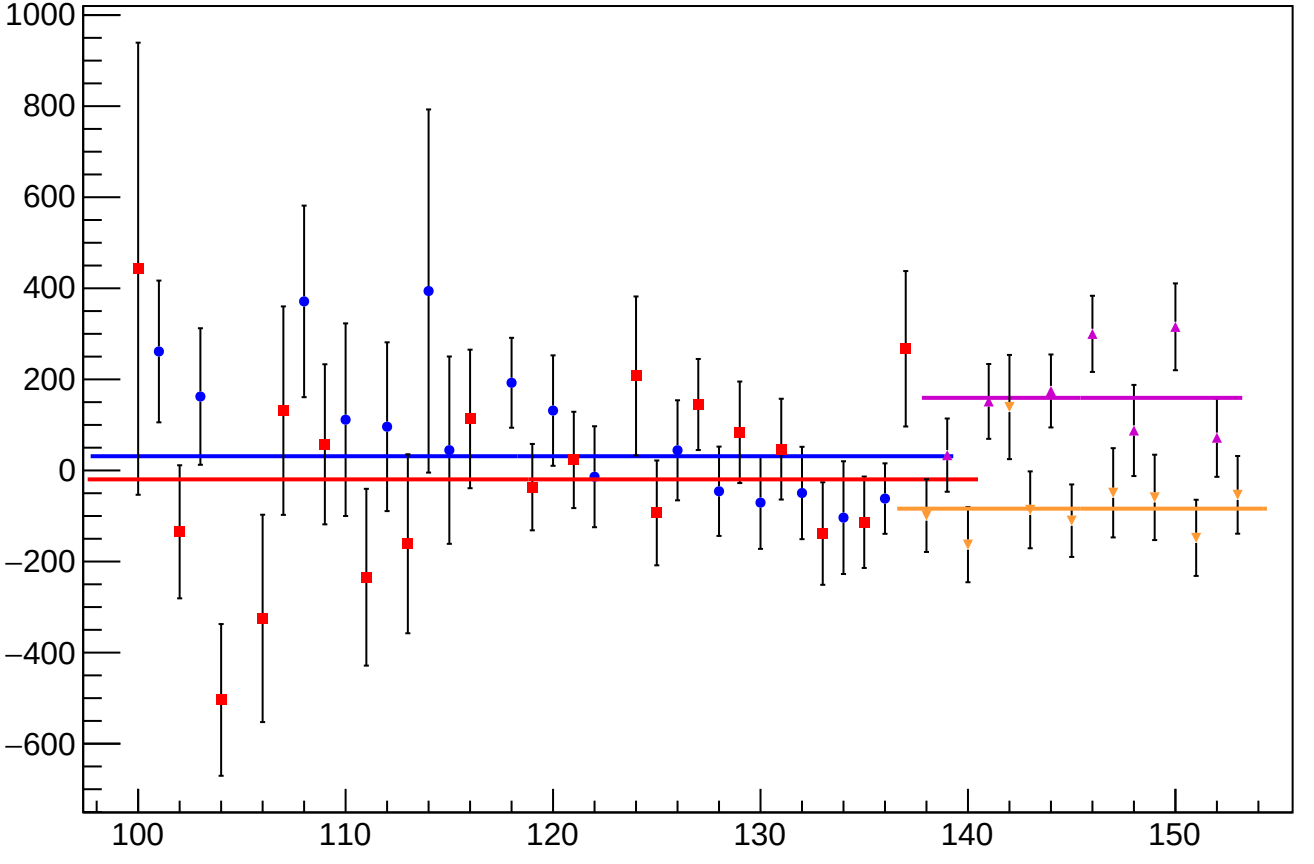
Left In: 0.007+/-0.000 χ^2/NDF:486010.0/6

+ sign 0.006+/-0.000 χ^2/NDF: 2190098.6/24

All: 0.006+/-0.000 χ^2/NDF: 4689887.5/50

- sign 0.006+/-0.000 χ^2/NDF: 2497856.6/25

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -83.908+/-29.158 χ^2/NDF:5.8/8

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

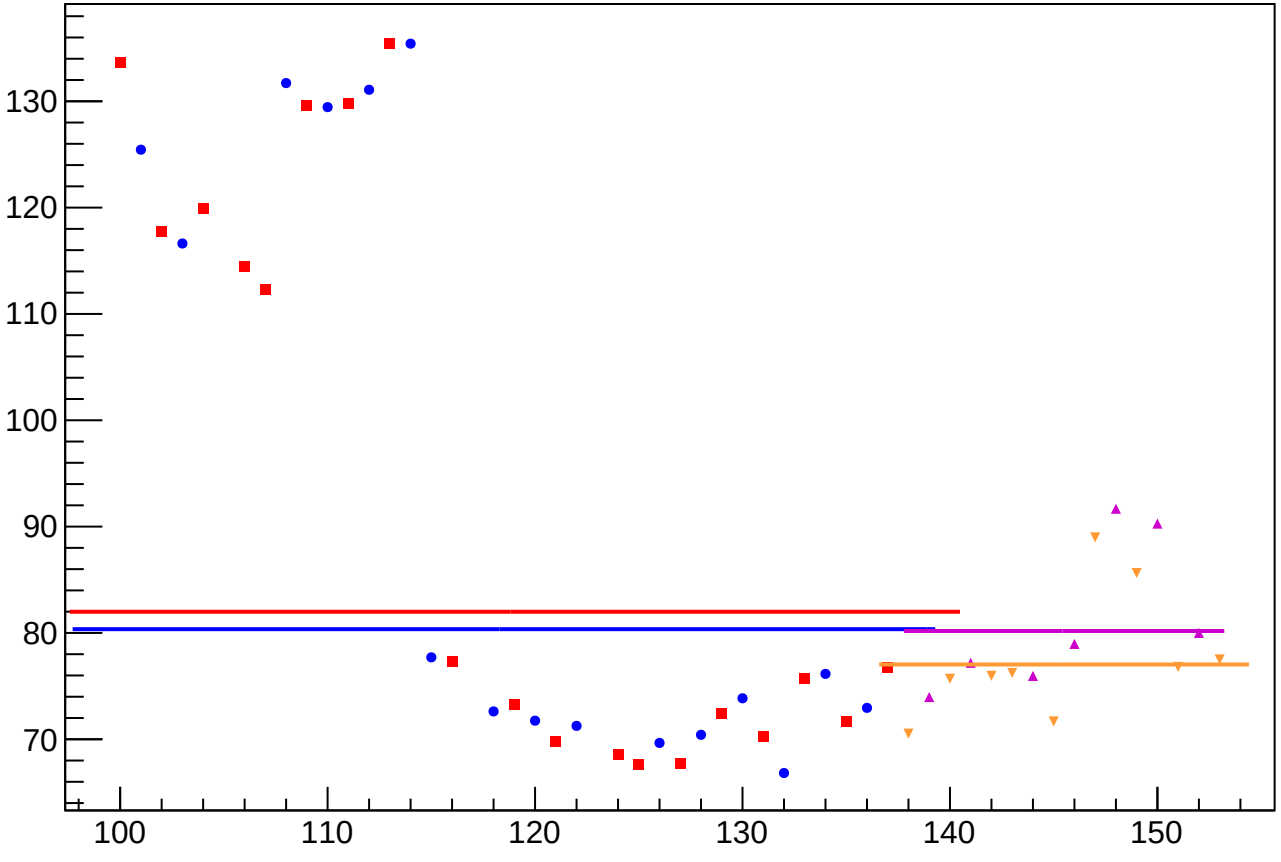
Left In: 159.449+/-32.505 χ^2/NDF:9.5/6

+ sign -29.455+/-21.170 χ^2/NDF: 28.2/24

All: 15.398+/-15.404 χ^2/NDF: 89.1/50

- sign 65.866+/-22.456 χ^2/NDF: 51.3/25

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.033+/-0.021 χ^2/NDF:69836.4/8

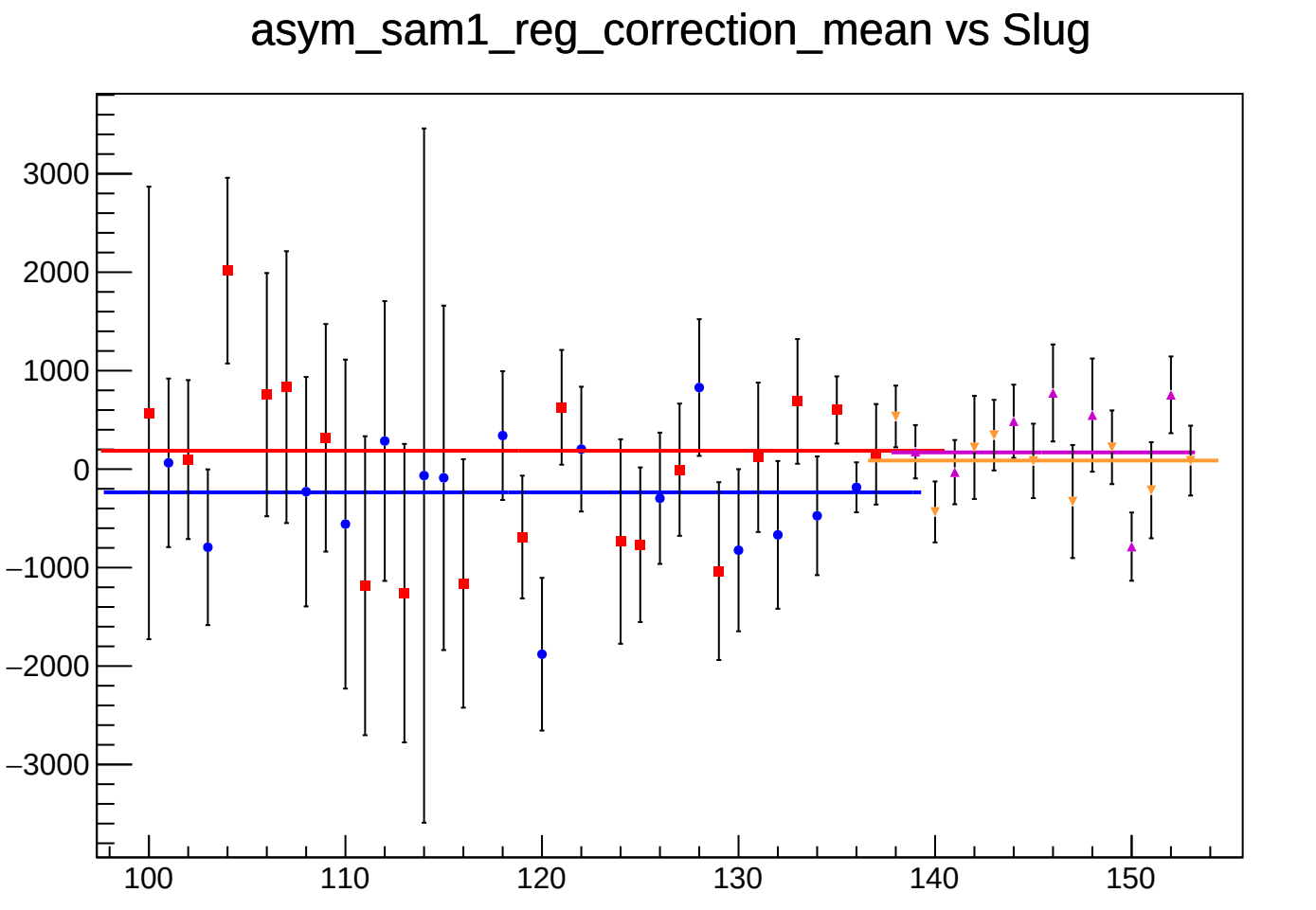
Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 80.183+/-0.023 χ^2/NDF:69435.9/6

+ sign 78.603+/-0.015 χ^2/NDF: 922145.3/24

All: 79.792+/-0.011 χ^2/NDF: 1940558.0/50

- sign 81.129+/-0.016 χ^2/NDF: 1005015.3/25



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.416+/-127.646 χ^2/NDF:6.5/8

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

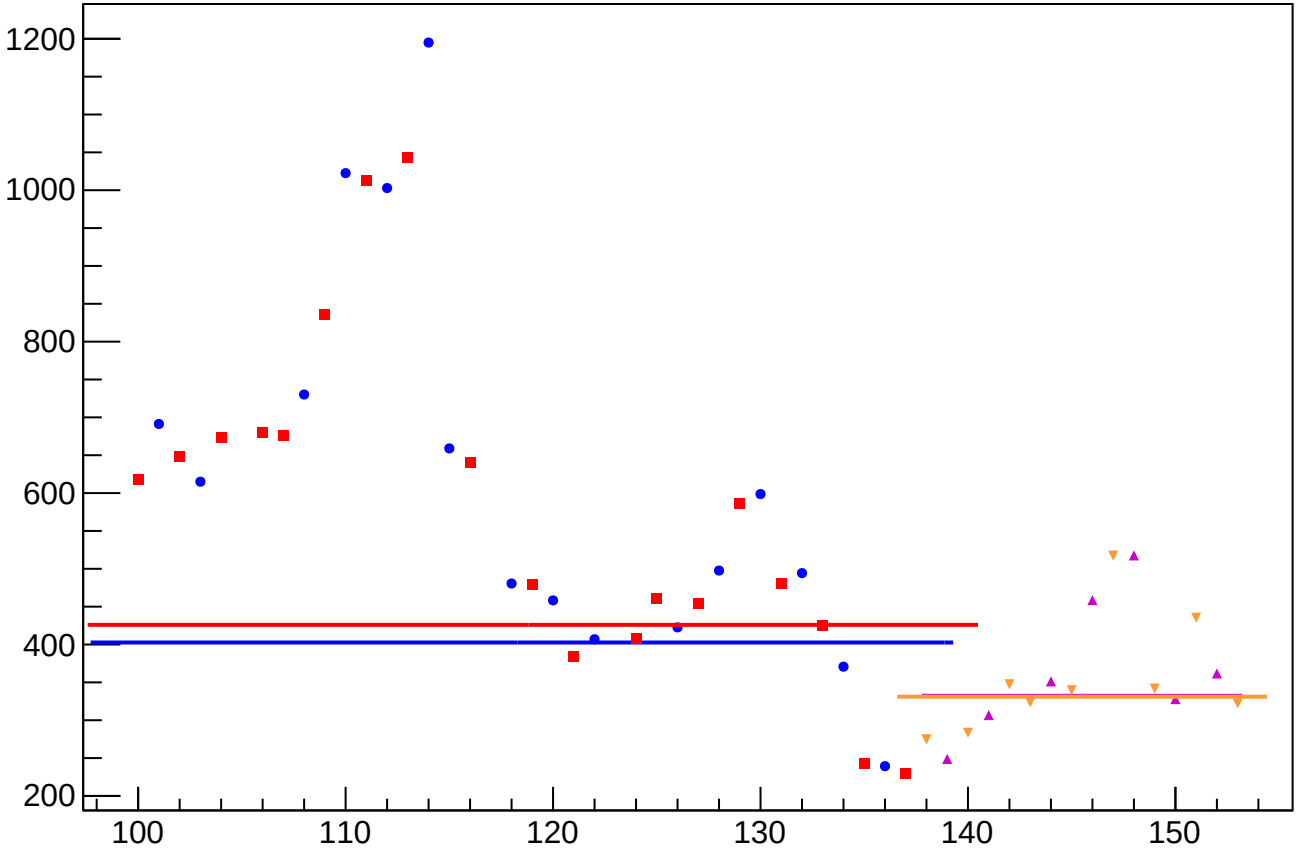
Left In: 170.090+/-138.238 χ^2/NDF:12.9/6

+ sign -34.632+/-100.676 χ^2/NDF: 18.9/24

All: 64.236+/-73.436 χ^2/NDF: 49.8/50

- sign 176.651+/-107.352 χ^2/NDF: 28.9/25

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 331.079+/-0.090 χ^2/NDF:420929.3/8

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

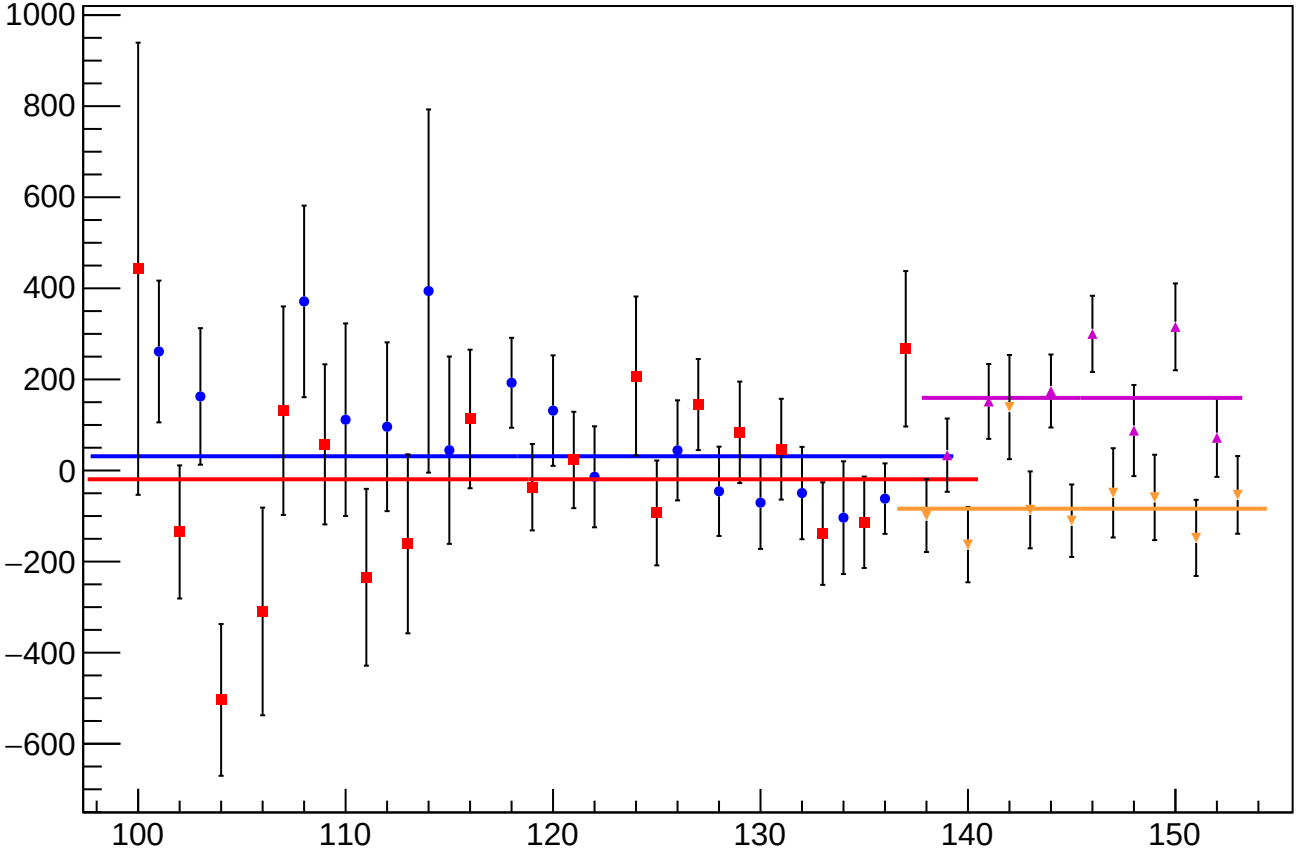
Left In: 332.285+/-0.098 χ^2/NDF:558197.5/6

+ sign 358.131+/-0.071 χ^2/NDF: 3018700.7/24

All: 363.439+/-0.052 χ^2/NDF: 6322262.4/50

- sign 369.475+/-0.076 χ^2/NDF: 3291679.3/25

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -83.908+/-29.158 χ^2/NDF:5.8/8

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

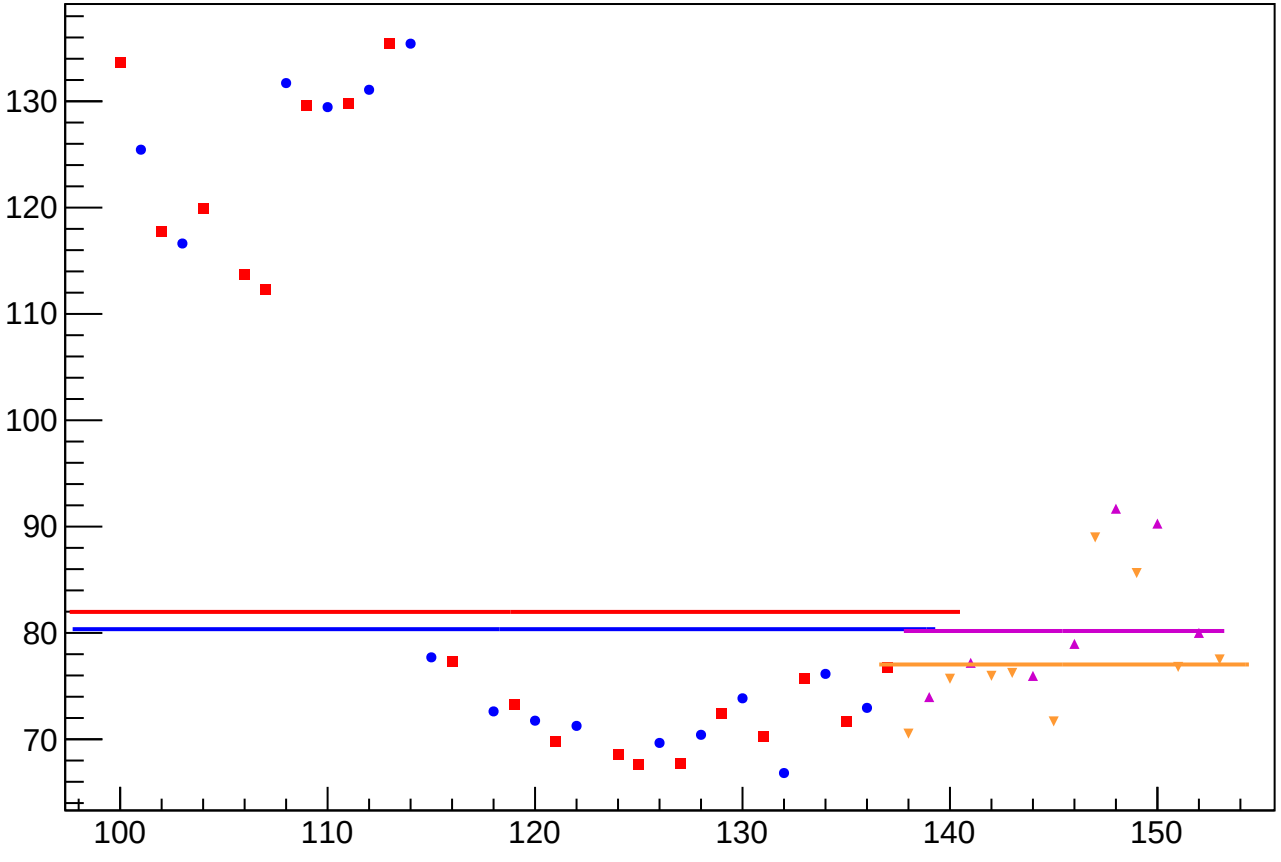
Left In: 159.450+/-32.505 χ^2/NDF:9.5/6

+ sign -29.451+/-21.170 χ^2/NDF: 28.2/24

All: 15.473+/-15.404 χ^2/NDF: 88.9/50

- sign 66.021+/-22.456 χ^2/NDF: 51.1/25

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.033+/-0.021 χ^2/NDF:69836.4/8

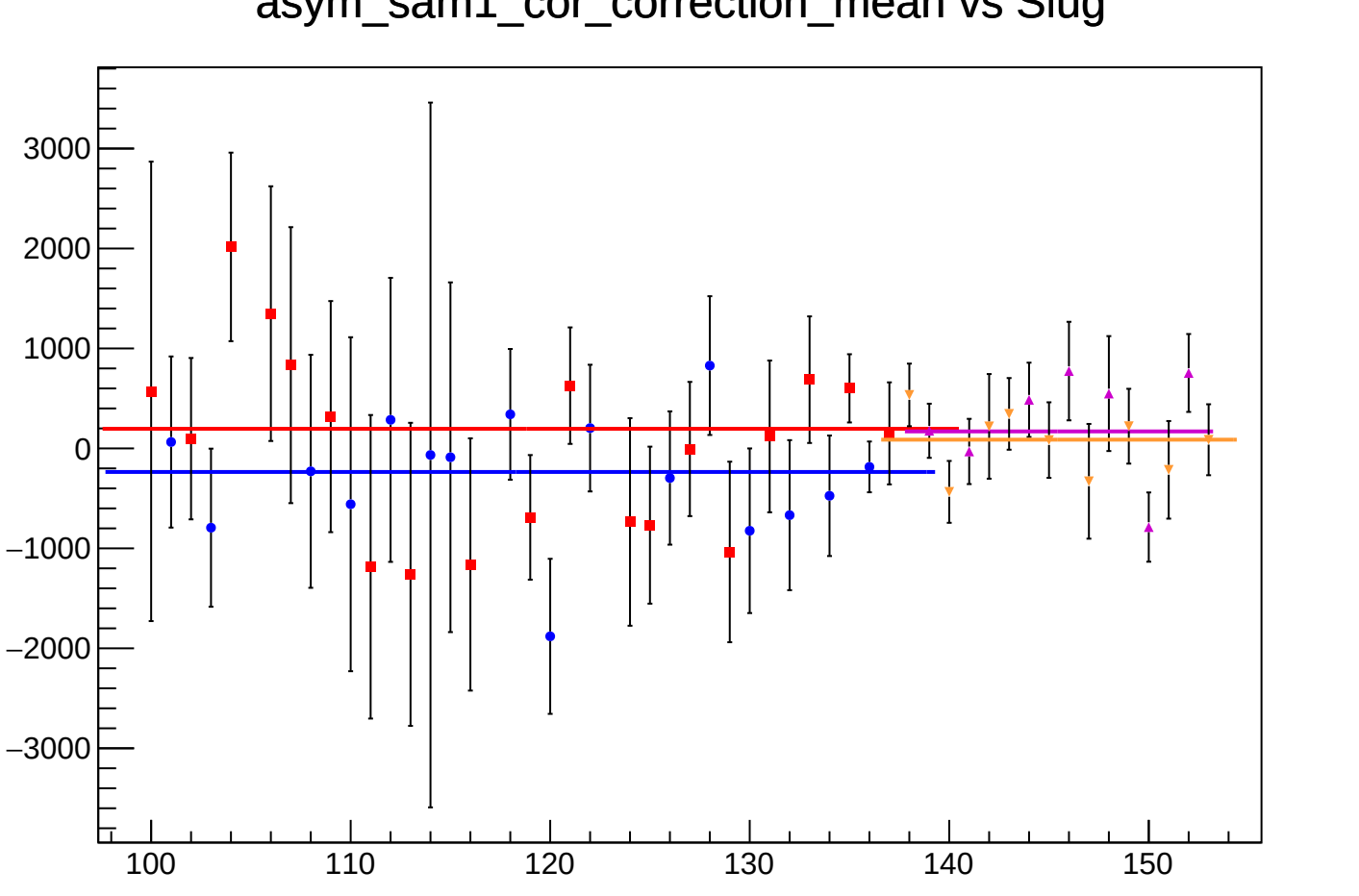
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.183+/-0.023 χ^2/NDF:69435.9/6

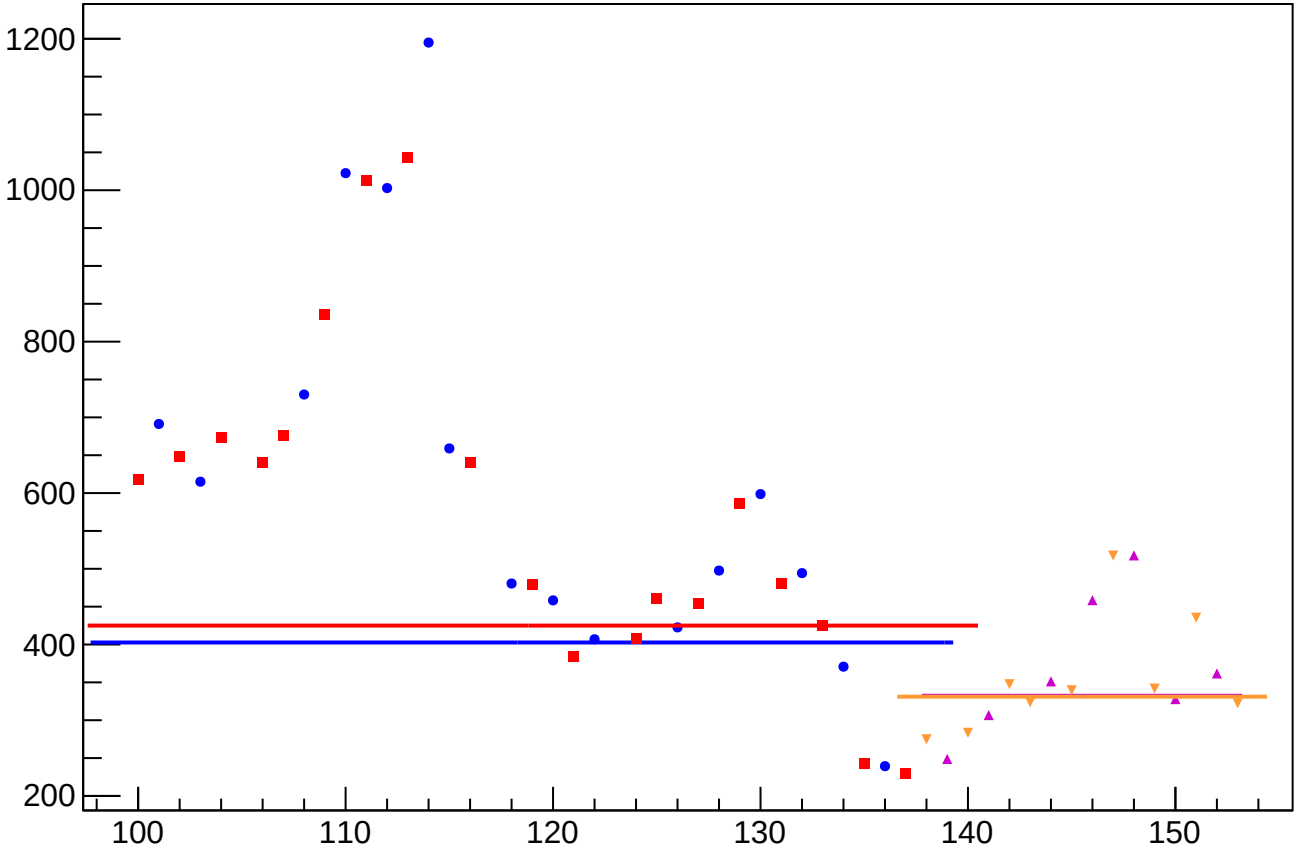
+ sign 78.603+/-0.015 χ^2/NDF: 922145.5/24

All: 79.788+/-0.011 χ^2/NDF: 1938549.4/50

- sign 81.121+/-0.016 χ^2/NDF: 1003090.4/25


asym_sam1_cor_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
Right In: -235.519+/-163.765 χ²/NDF: 9.9/15
Left Out: 87.416+/-127.646 χ²/NDF:6.5/8
Right Out: 196.579+/-170.492 χ²/NDF: 16.6/18
Left In: 170.090+/-138.238 χ²/NDF:12.9/6
+ sign -34.631+/-100.676 χ²/NDF: 18.9/24
All: 66.059+/-73.443 χ²/NDF: 50.5/50
- sign 180.597+/-107.377 χ²/NDF: 29.5/25

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.079+/-0.090 χ^2/NDF:420934.7/8

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

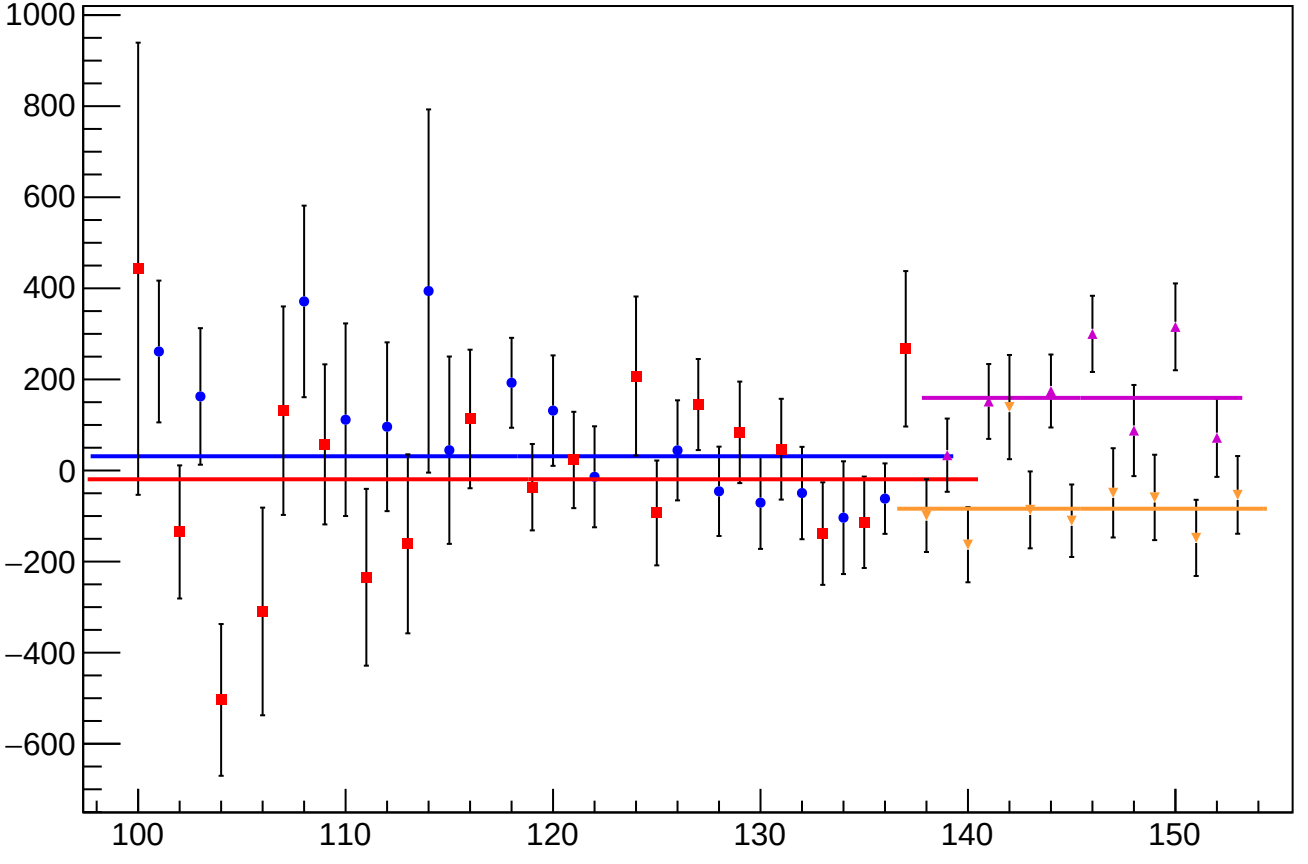
Left In: 332.285+/-0.098 χ^2/NDF:558198.8/6

+ sign 358.131+/-0.071 χ^2/NDF: 3018704.3/24

All: 363.242+/-0.052 χ^2/NDF: 6285707.2/50

- sign 369.056+/-0.076 χ^2/NDF: 3255984.8/25

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -83.908+/-29.158 χ^2/NDF:5.8/8

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

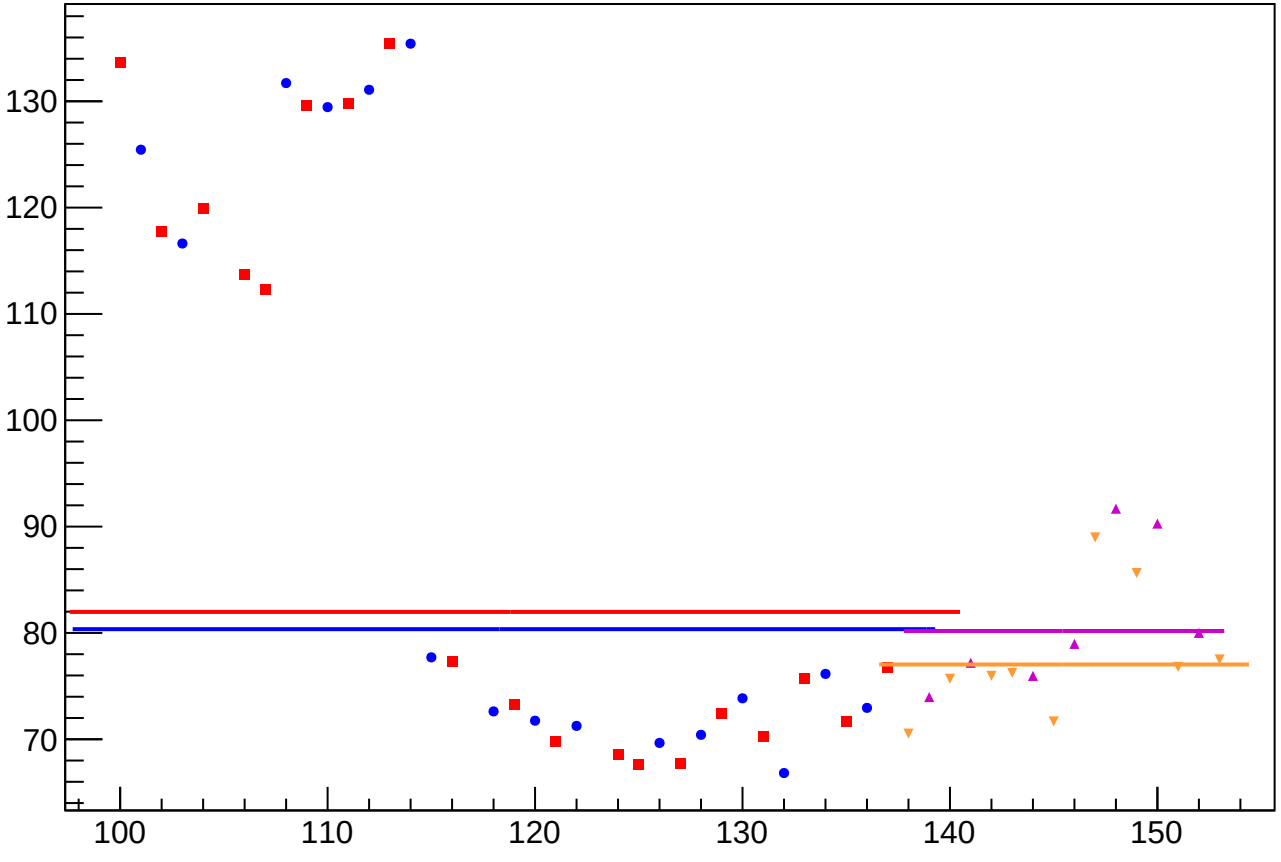
Left In: 159.450+/-32.505 χ^2/NDF:9.5/6

+ sign -29.451+/-21.170 χ^2/NDF: 28.2/24

All: 15.473+/-15.404 χ^2/NDF: 88.9/50

- sign 66.021+/-22.456 χ^2/NDF: 51.1/25

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.033+/-0.021 χ^2/NDF:69836.4/8

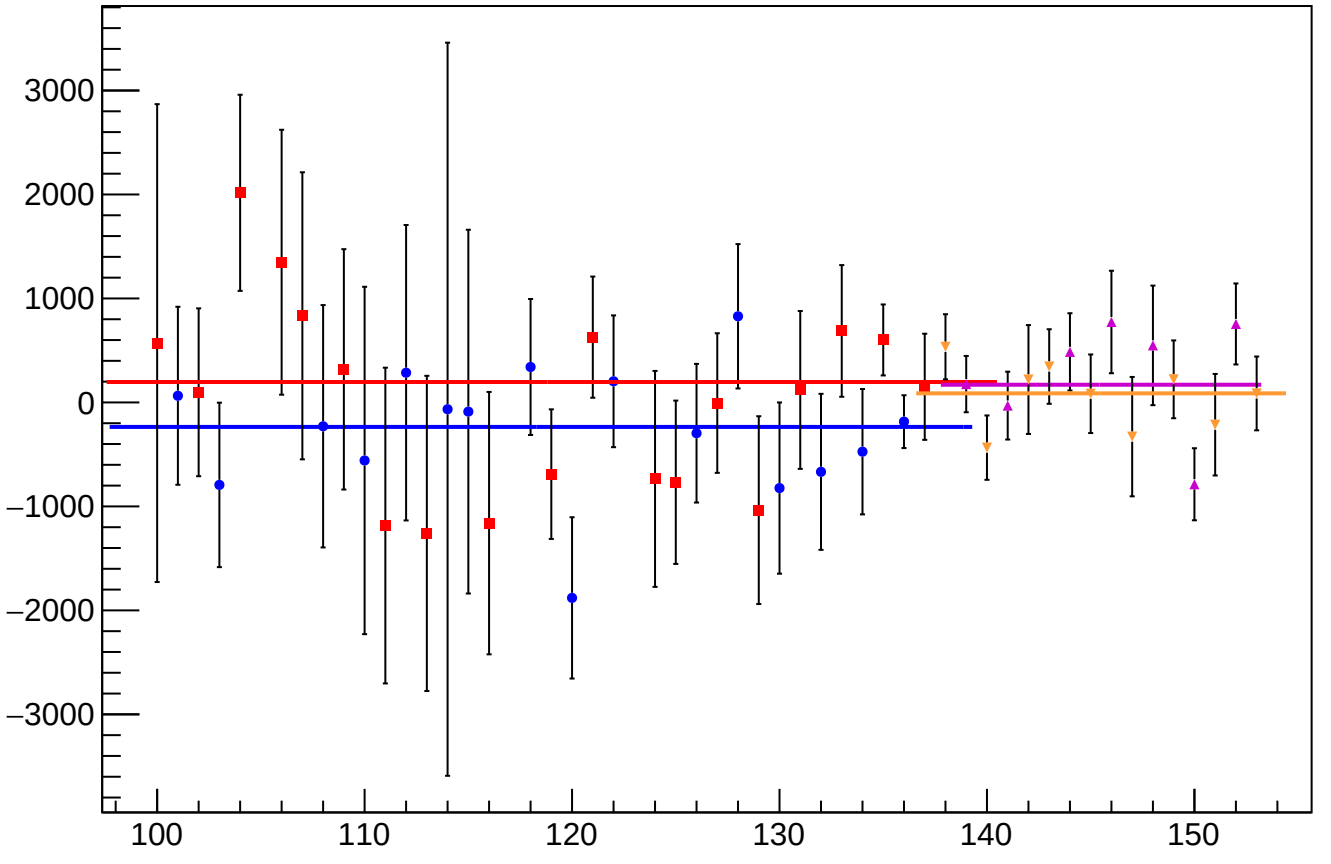
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.183+/-0.023 χ^2/NDF:69435.9/6

+ sign 78.603+/-0.015 χ^2/NDF: 922145.5/24

All: 79.788+/-0.011 χ^2/NDF: 1938549.4/50

- sign 81.121+/-0.016 χ^2/NDF: 1003090.4/25



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.416+/-127.646 χ^2/NDF:6.5/8

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

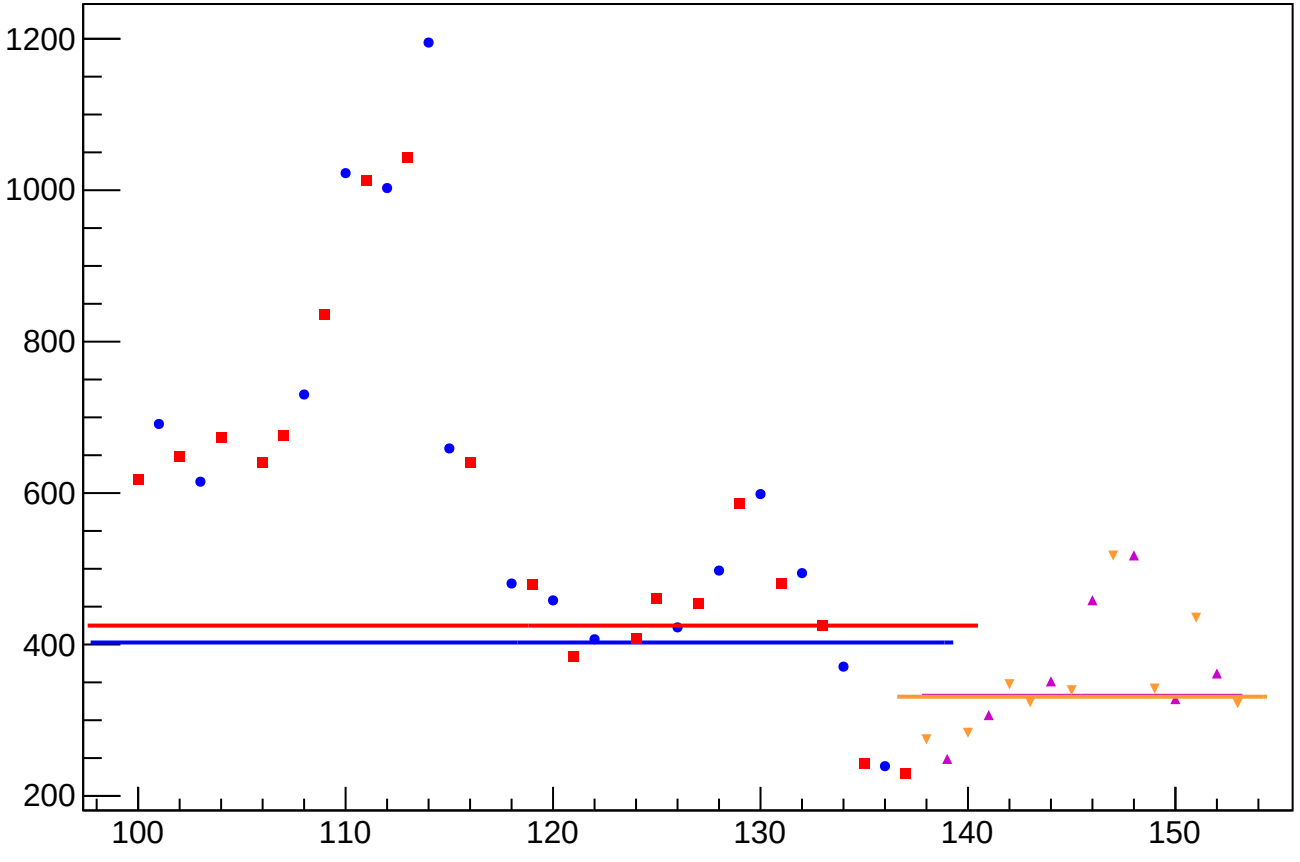
Left In: 170.090+/-138.238 χ^2/NDF:12.9/6

\+ sign -34.631+/-100.676 χ^2/NDF: 18.9/24

All: 66.059+/-73.443 χ^2/NDF: 50.5/50

\- sign 180.597+/-107.377 χ^2/NDF: 29.5/25

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.079+/-0.090 χ^2/NDF:420934.7/8

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

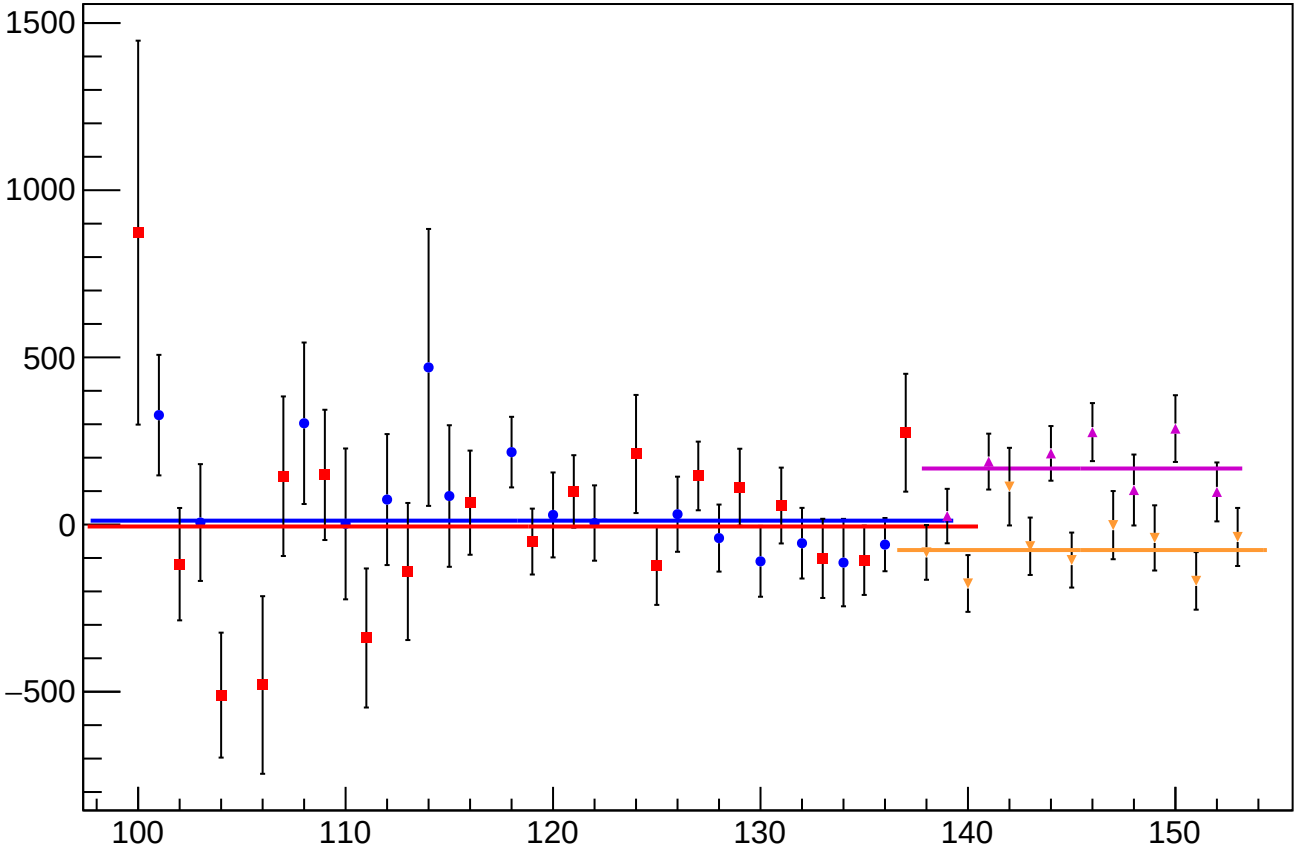
Left In: 332.285+/-0.098 χ^2/NDF:558198.8/6

+ sign 358.131+/-0.071 χ^2/NDF: 3018704.3/24

All: 363.242+/-0.052 χ^2/NDF: 6285707.2/50

- sign 369.056+/-0.076 χ^2/NDF: 3255984.8/25

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -76.284+/-29.954 χ^2/NDF:6.2/8

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

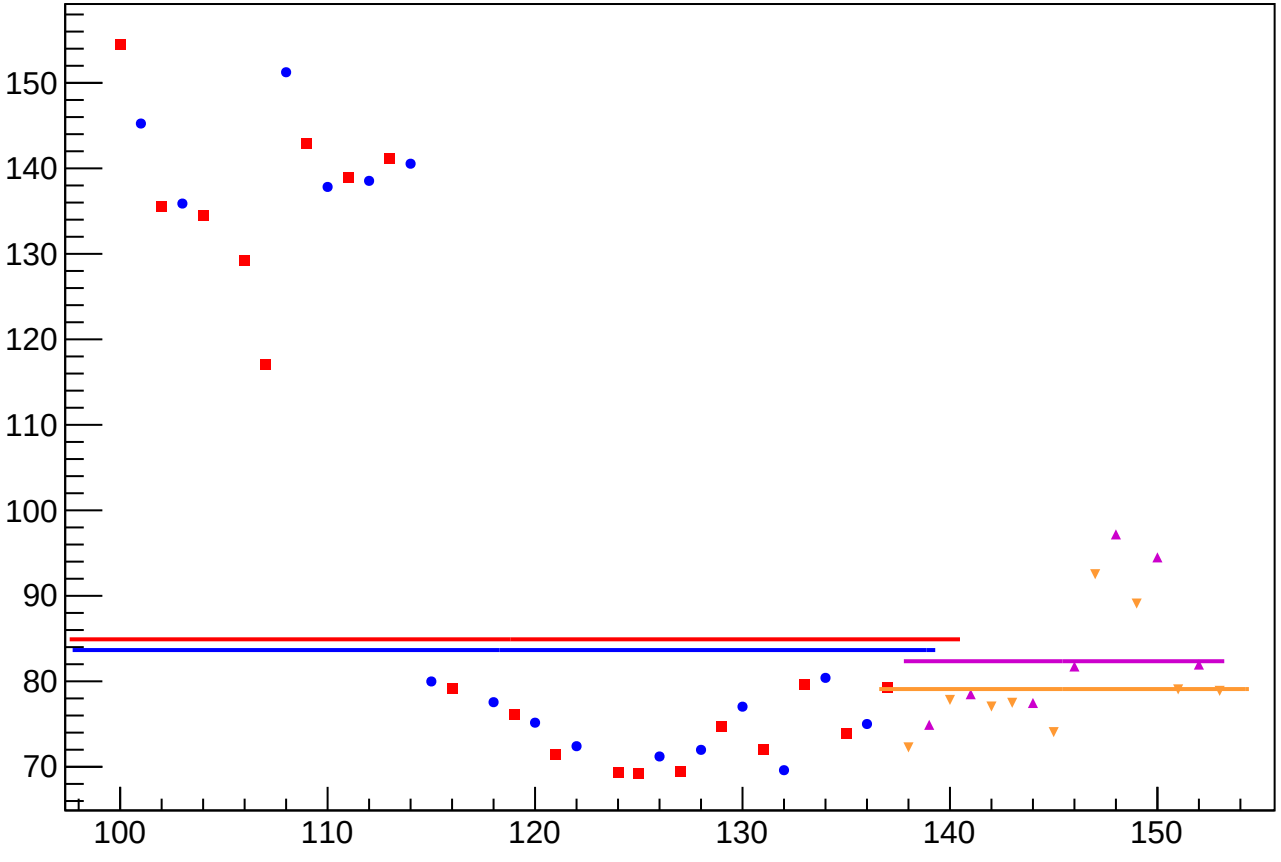
Left In: 167.616+/-33.439 χ^2/NDF:7.4/6

+ sign -35.621+/-21.963 χ^2/NDF: 23.7/24

All: 18.003+/-15.977 χ^2/NDF: 86.5/50

- sign 78.280+/-23.285 χ^2/NDF: 50.1/25

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.096+/-0.021 χ^2/NDF:78925.3/8

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

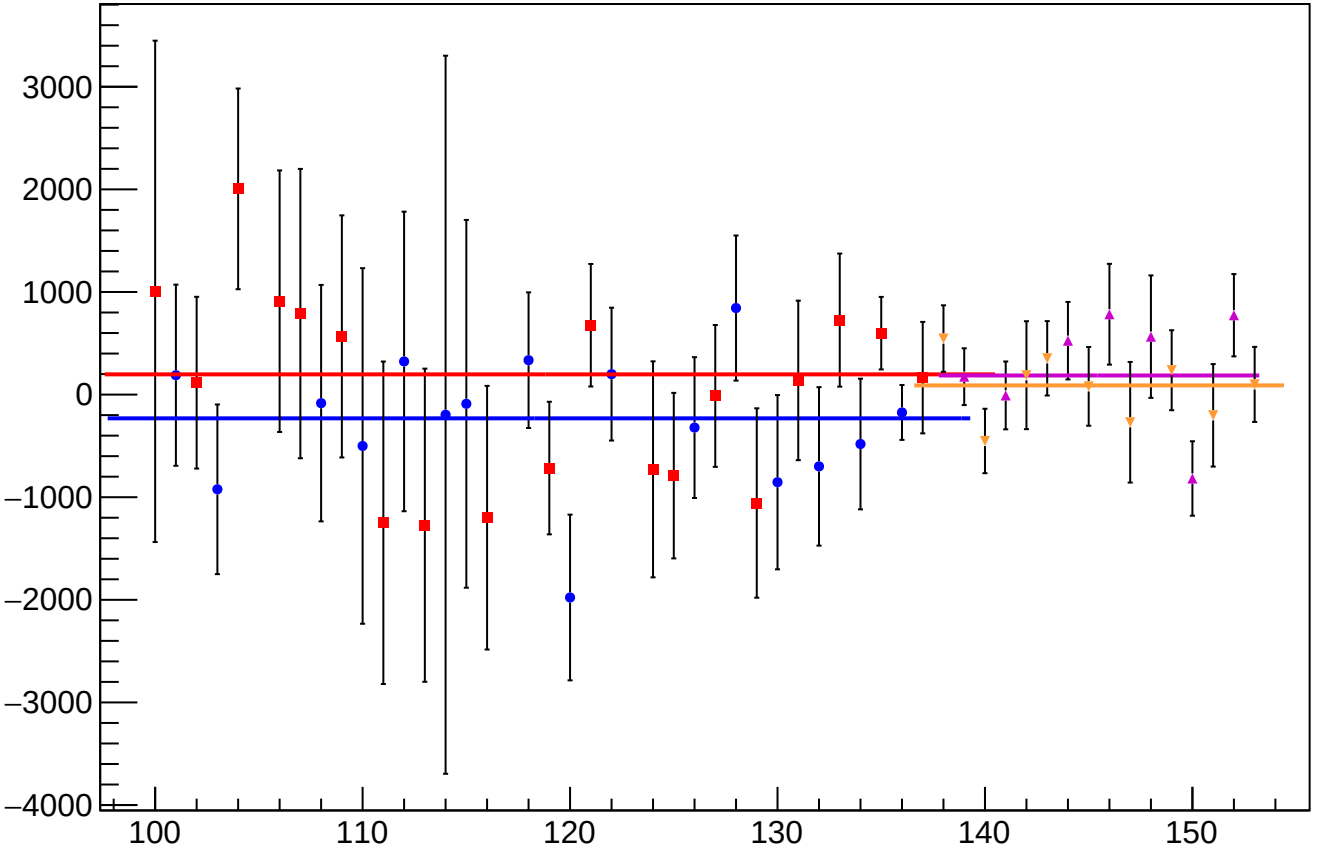
Left In: 82.351+/-0.024 χ^2/NDF:96957.6/6

+ sign 81.205+/-0.016 χ^2/NDF: 1135165.2/24

All: 82.366+/-0.011 χ^2/NDF: 2371708.0/50

- sign 83.671+/-0.016 χ^2/NDF: 1224672.2/25

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 89.485+/-130.574 χ^2/NDF:6.4/8

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

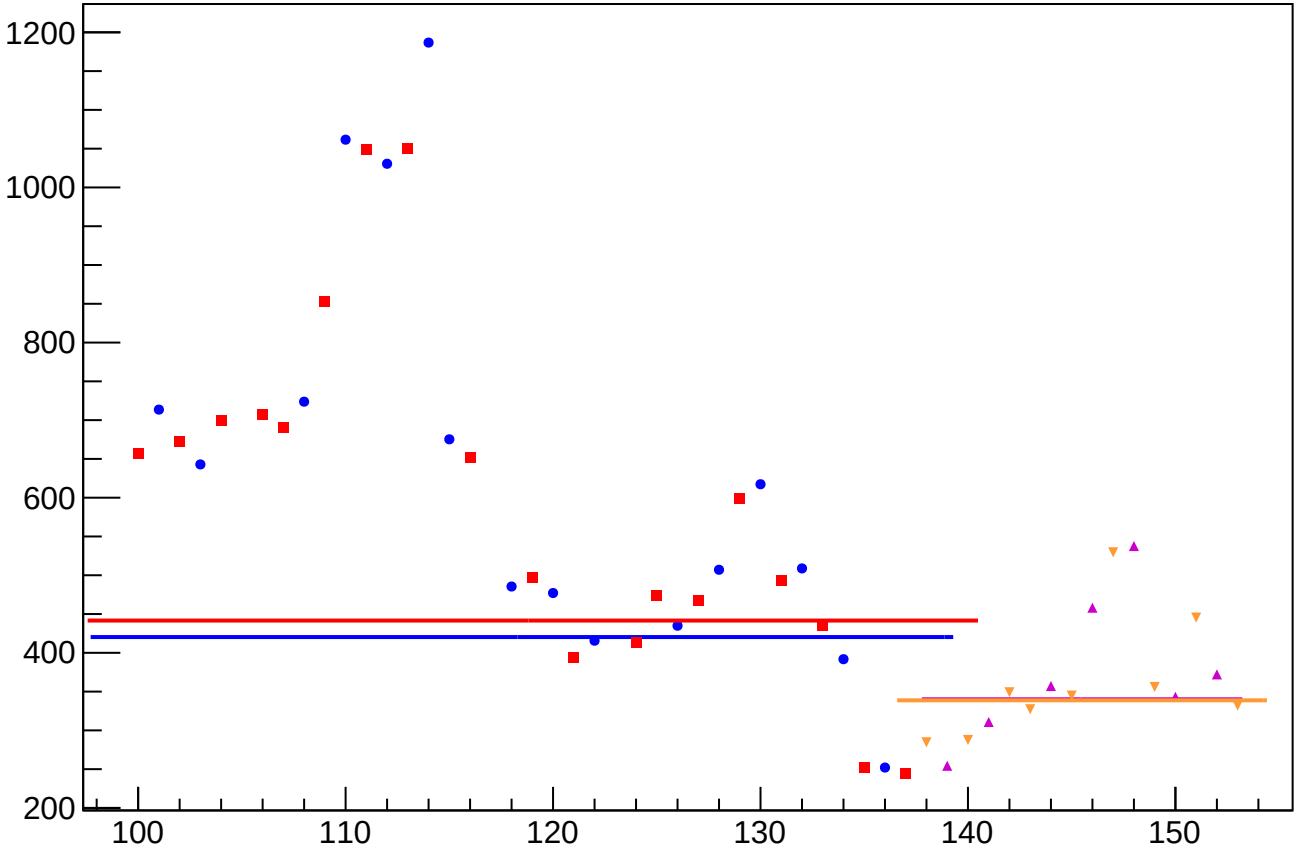
Left In: 186.370+/-141.431 χ^2/NDF:12.8/6

\+ sign -29.464+/-103.583 χ^2/NDF: 19.0/24

All: 73.704+/-75.497 χ^2/NDF: 49.9/50

\- sign 190.619+/-110.269 χ^2/NDF: 28.7/25

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 338.751+/-0.092 χ^2/NDF:418796.4/8

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

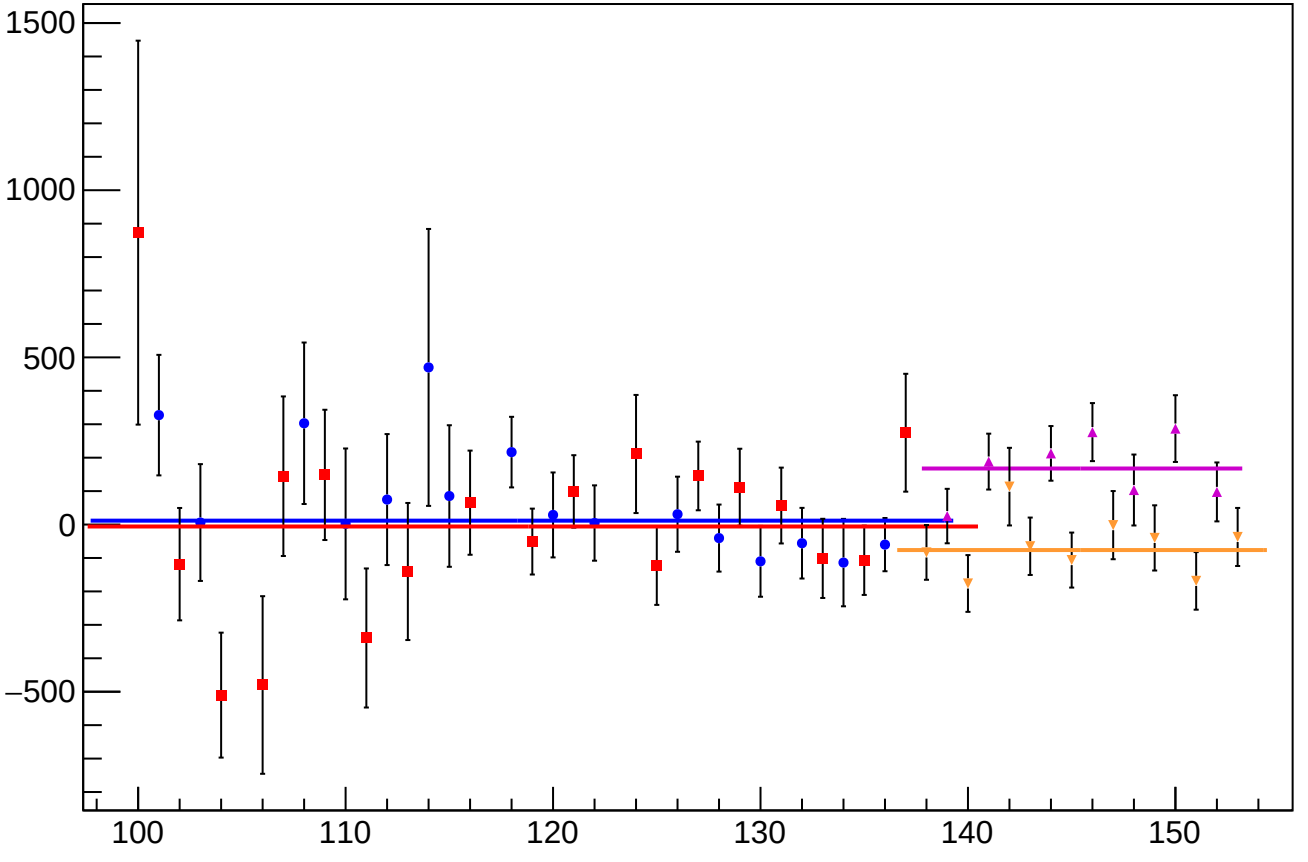
Left In: 340.105+/-0.100 χ^2/NDF:559545.6/6

+ sign 368.991+/-0.073 χ^2/NDF: 2962787.8/24

All: 374.106+/-0.053 χ^2/NDF: 6244189.1/50

- sign 379.903+/-0.078 χ^2/NDF: 3270995.8/25

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -76.285+/-29.954 χ^2/NDF:6.2/8

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

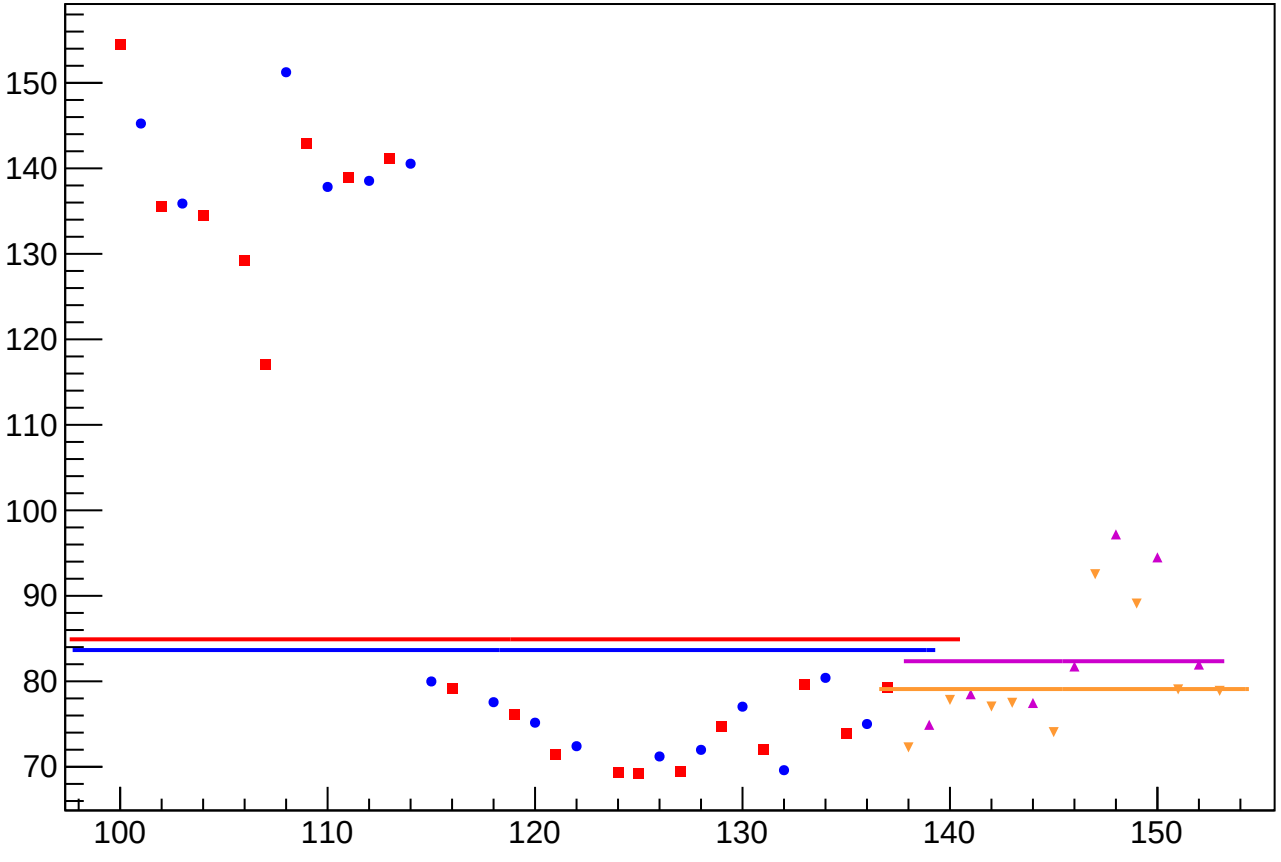
Left In: 167.616+/-33.439 χ^2/NDF:7.4/6

+ sign -35.621+/-21.963 χ^2/NDF: 23.7/24

All: 18.003+/-15.977 χ^2/NDF: 86.5/50

- sign 78.280+/-23.285 χ^2/NDF: 50.1/25

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.096+/-0.021 χ^2/NDF:78924.8/8

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

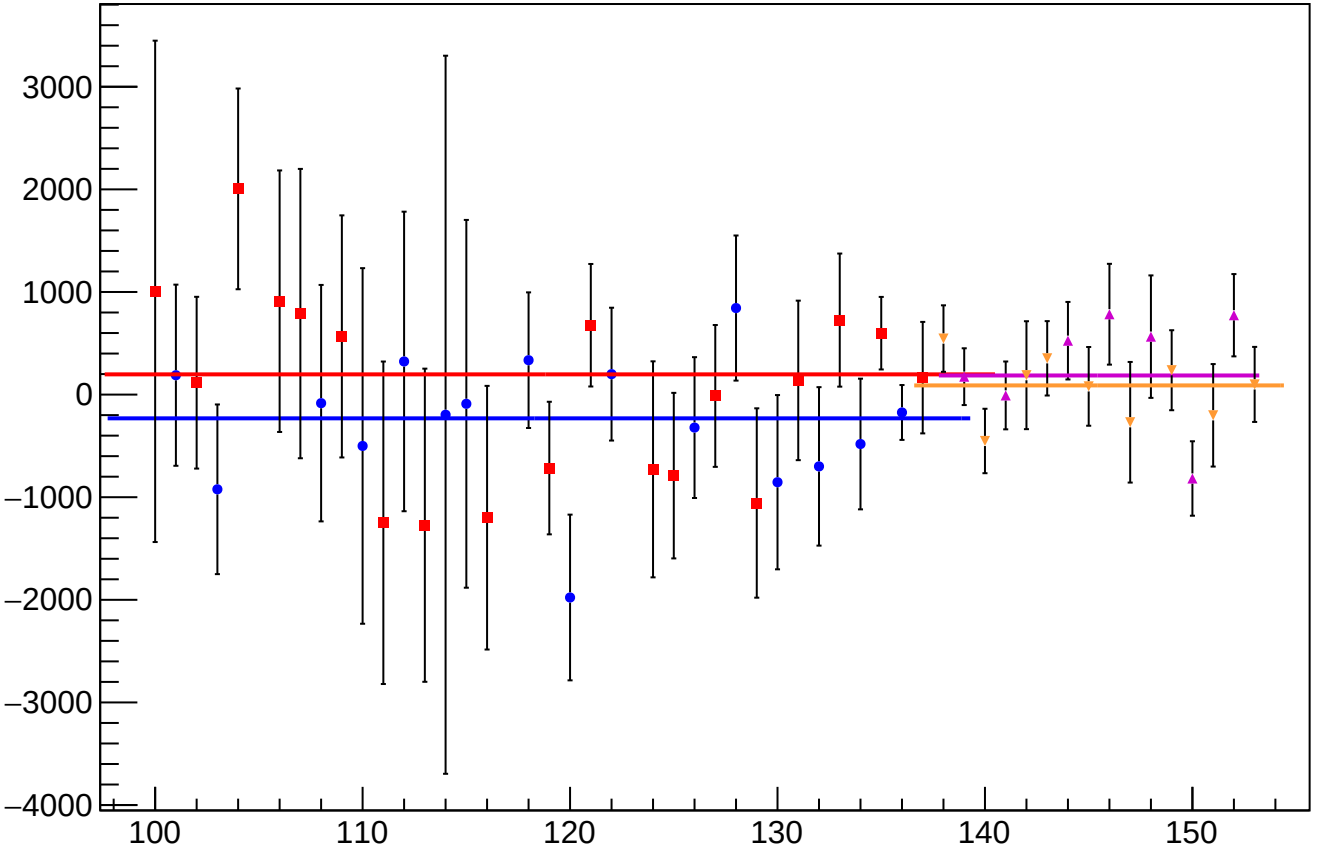
Left In: 82.351+/-0.024 χ^2/NDF:96956.8/6

+ sign 81.205+/-0.016 χ^2/NDF: 1135163.8/24

All: 82.366+/-0.011 χ^2/NDF: 2371704.4/50

- sign 83.671+/-0.016 χ^2/NDF: 1224670.1/25

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 89.485+/-130.573 χ^2/NDF:6.4/8

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

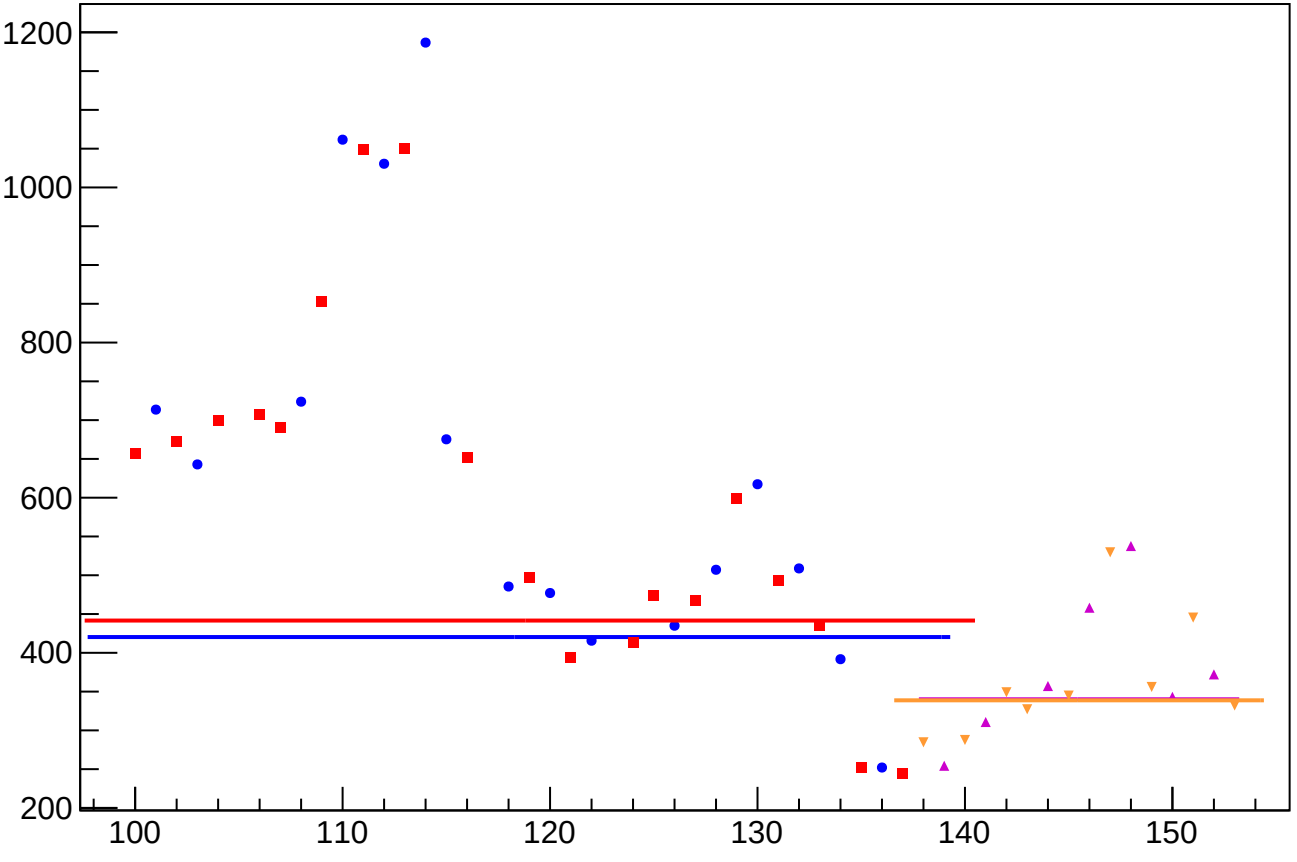
Left In: 186.369+/-141.431 χ^2/NDF:12.8/6

+ sign -29.464+/-103.583 χ^2/NDF: 19.0/24

All: 73.704+/-75.497 χ^2/NDF: 49.9/50

- sign 190.619+/-110.268 χ^2/NDF: 28.7/25

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 338.751+/-0.092 χ^2/NDF:418796.0/8

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

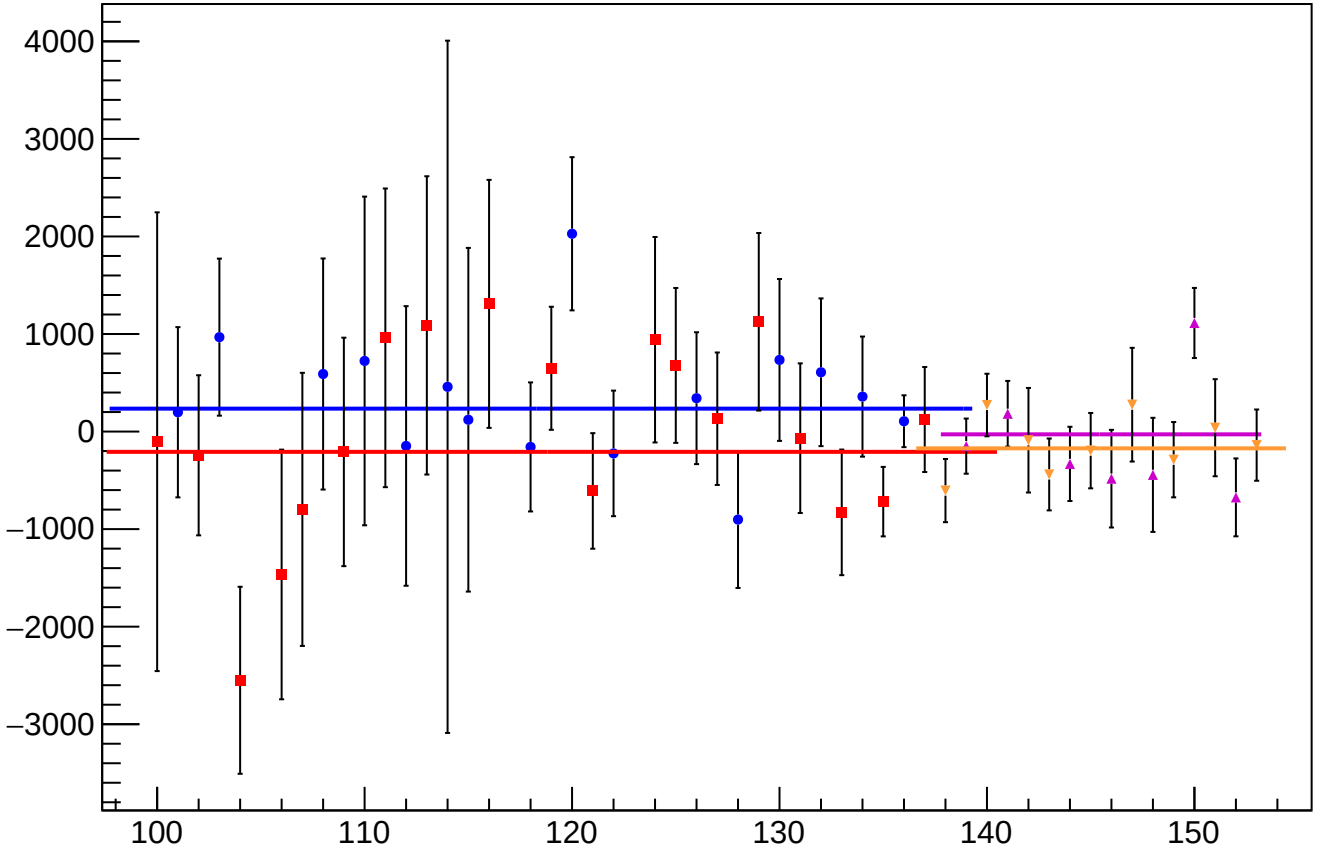
Left In: 340.105+/-0.100 χ^2/NDF:559546.5/6

\+ sign 368.990+/-0.073 χ^2/NDF: 2962790.0/24

All: 374.106+/-0.053 χ^2/NDF: 6244195.1/50

\- sign 379.903+/-0.078 χ^2/NDF: 3270999.8/25

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -172.093+/-131.302 χ^2/NDF:5.1/8

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

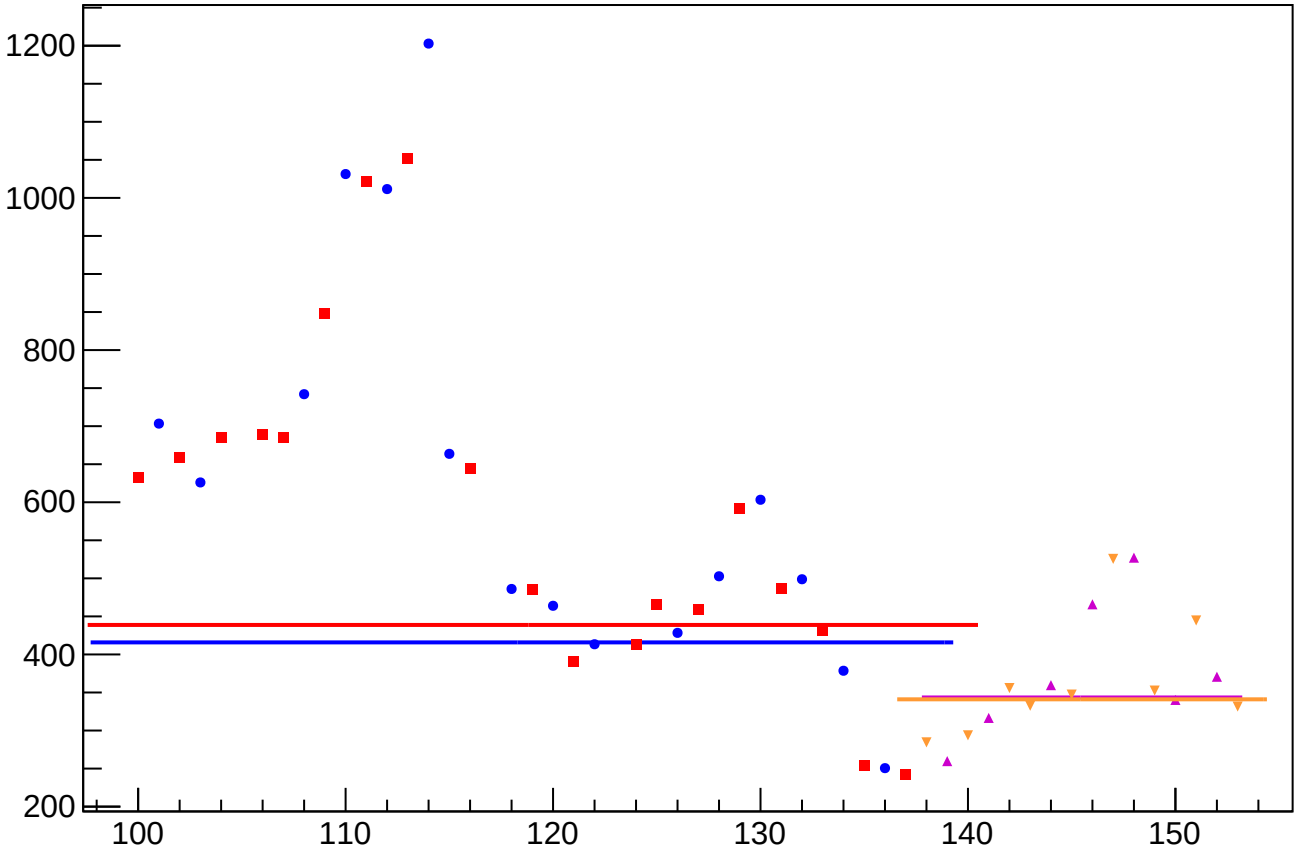
Left In: -28.454+/-142.590 χ^2/NDF:15.2/6

\+ sign -17.928+/-103.500 χ^2/NDF: 19.5/24

All: -56.391+/-75.529 χ^2/NDF: 56.0/50

\- sign -100.207+/-110.470 χ^2/NDF: 36.2/25

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 341.018+/-0.093 χ^2/NDF:398134.7/8

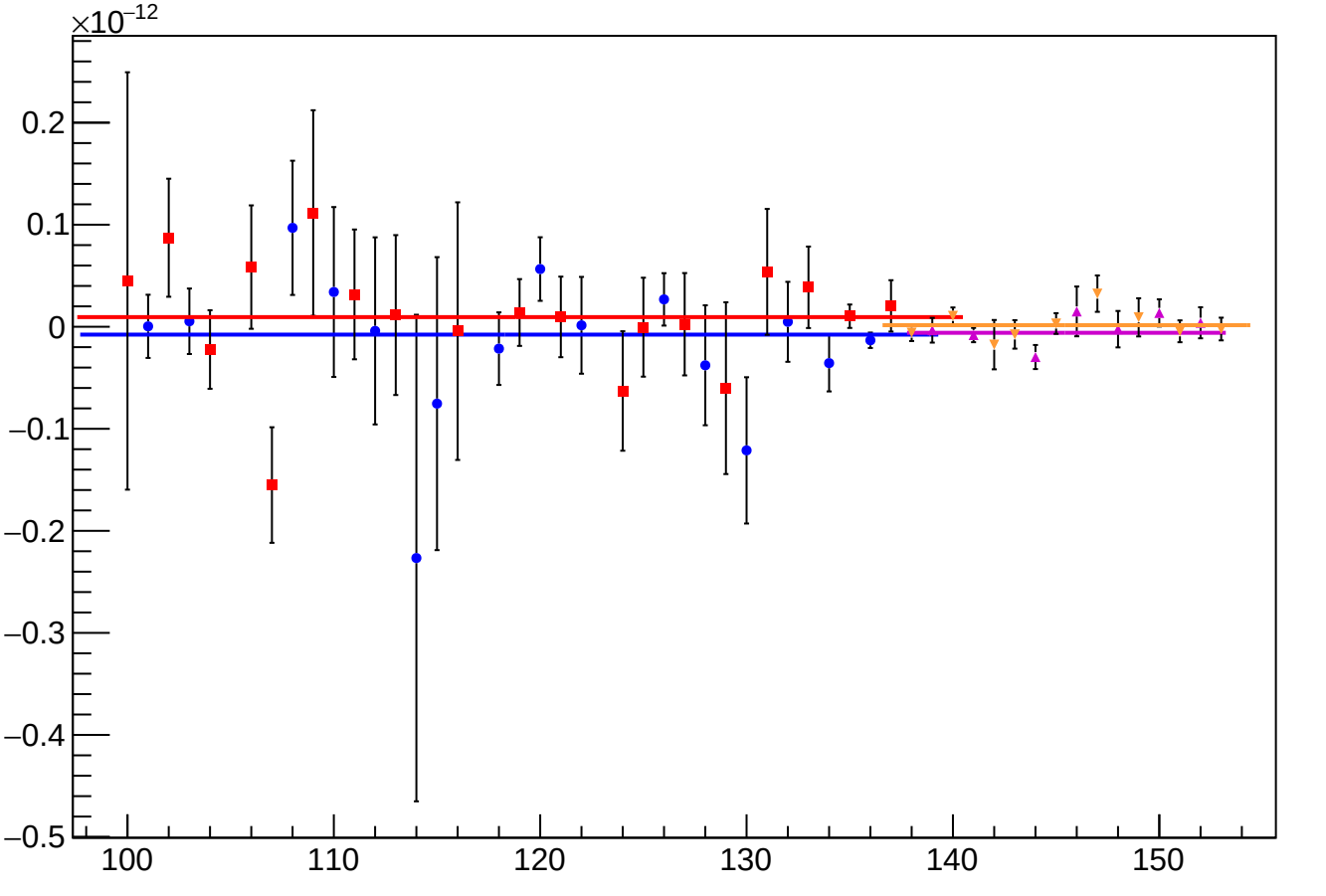
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 343.458+/-0.101 χ^2/NDF:518197.7/6

+ sign 369.349+/-0.073 χ^2/NDF: 2867995.4/24

All: 375.059+/-0.053 χ^2/NDF: 5991261.0/50

- sign 381.563+/-0.078 χ^2/NDF: 3110244.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/8

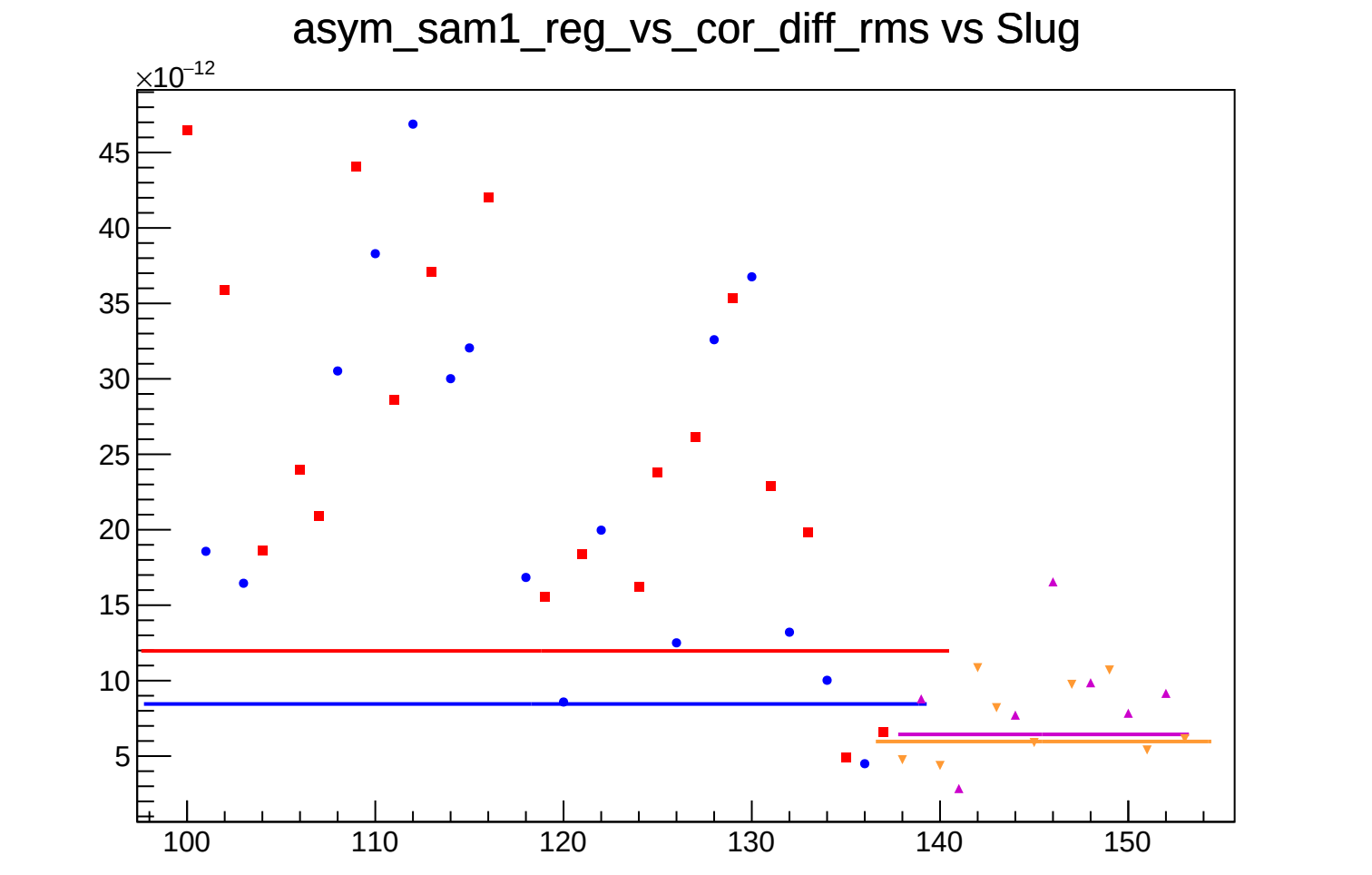
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/24

All: -0.000+/-0.000 χ^2/NDF: 49.7/50

- sign -0.000+/-0.000 χ^2/NDF: 26.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:475572.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

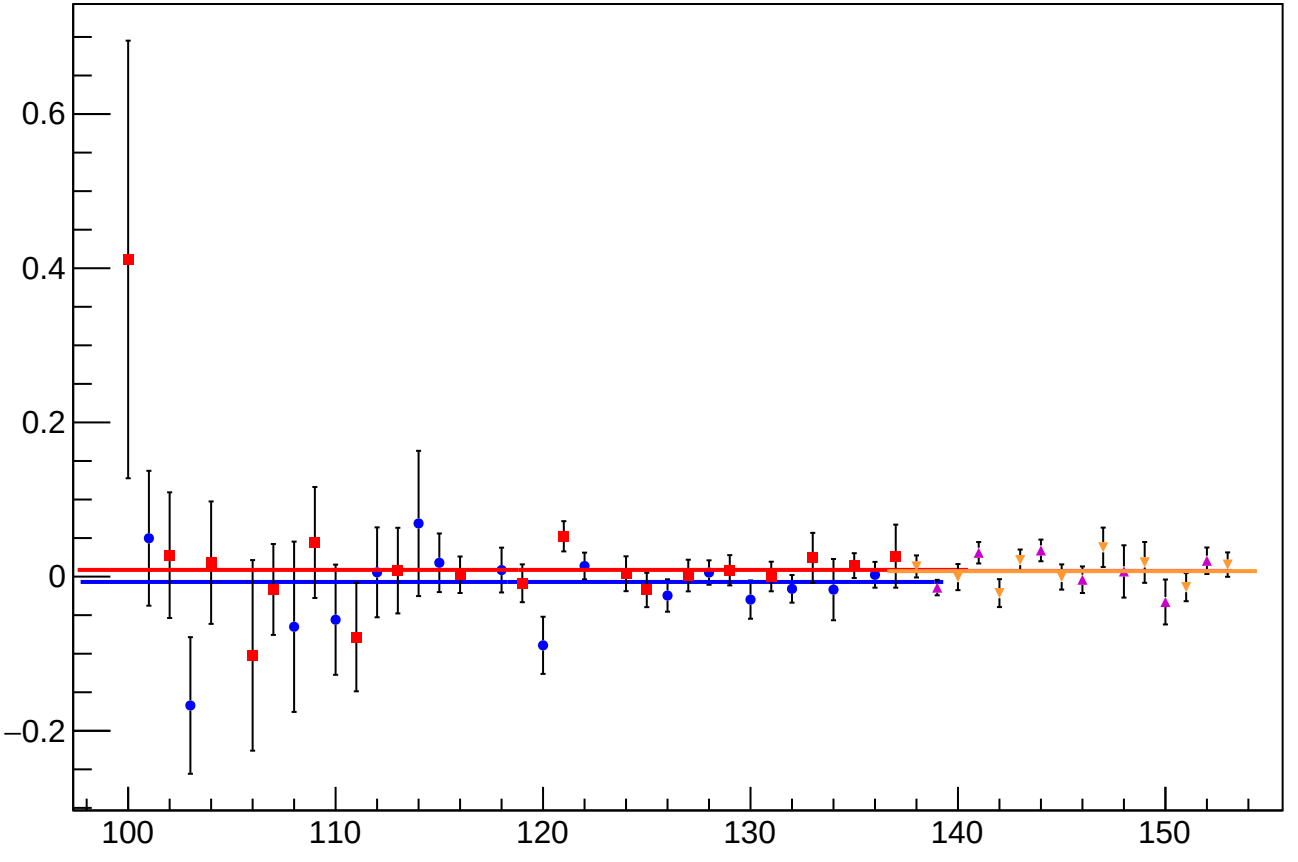
Left In: 0.000+/-0.000 χ^2/NDF:1123988.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 3467109.0/24

All: 0.000+/-0.000 χ^2/NDF: 8145613.5/50

- sign 0.000+/-0.000 χ^2/NDF: 4589209.3/25

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.006 χ^2/NDF:7.4/8

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

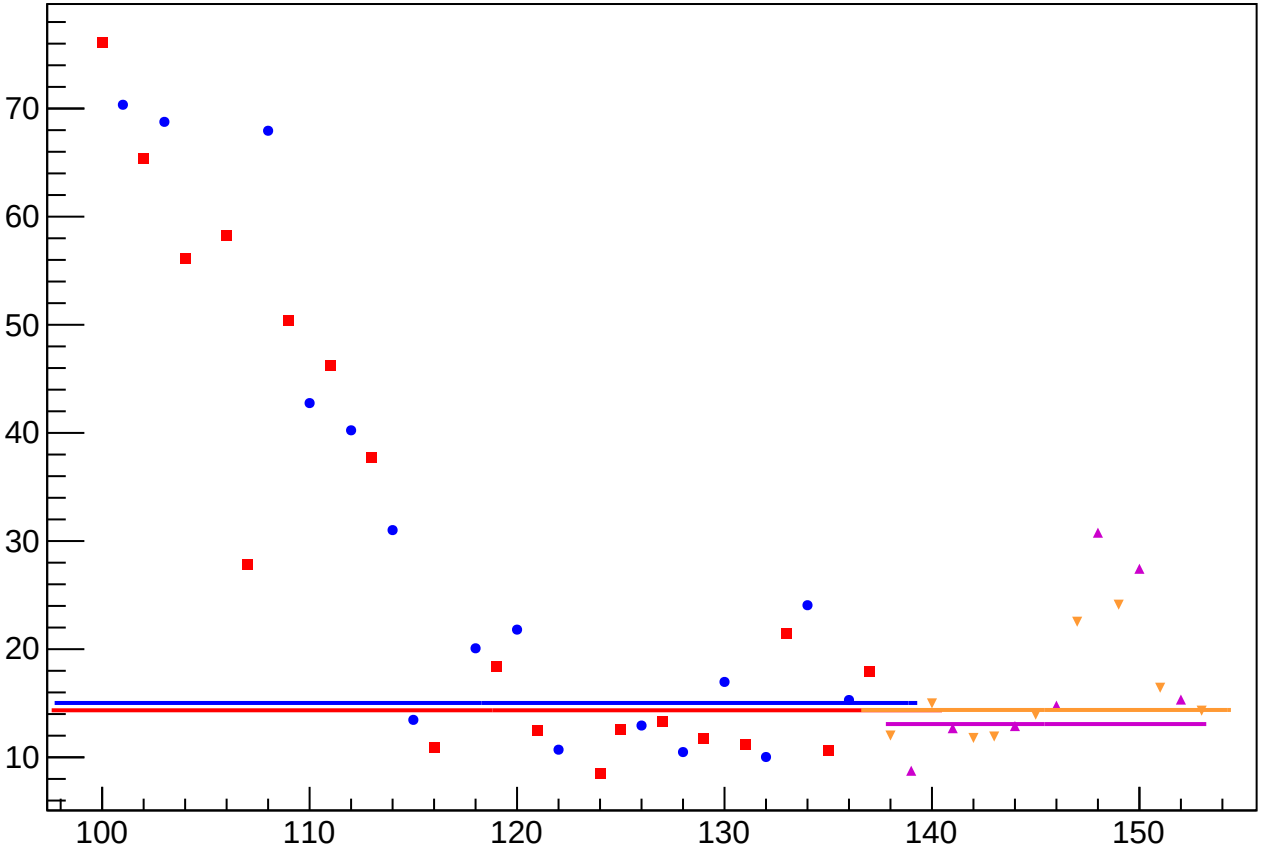
Left In: 0.007+/-0.006 χ^2/NDF:14.0/6

+ sign 0.001+/-0.004 χ^2/NDF: 24.9/24

All: 0.005+/-0.003 χ^2/NDF: 52.8/50

- sign 0.008+/-0.004 χ^2/NDF: 26.7/25

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.378+/-0.004 χ^2/NDF:663725.5/8

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

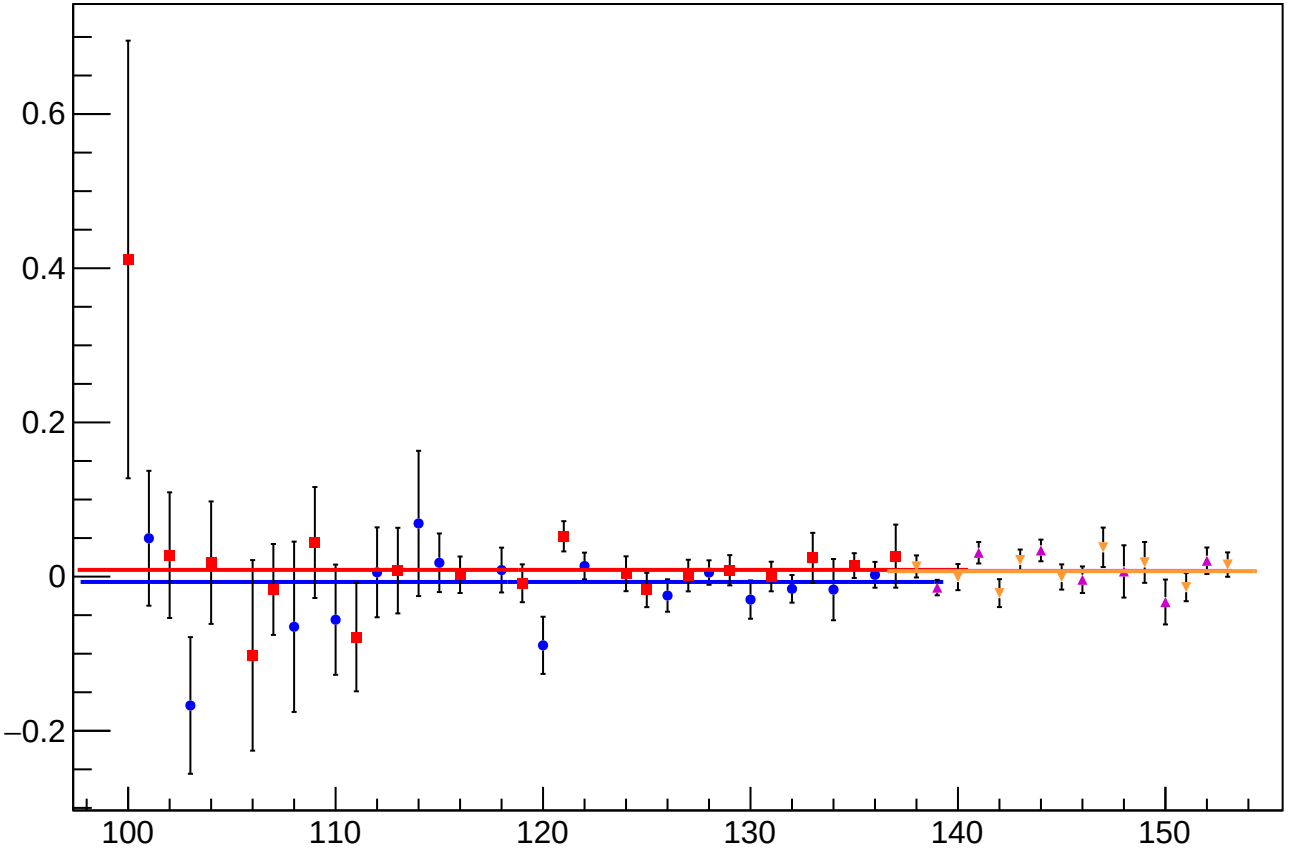
Left In: 13.075+/-0.004 χ^2/NDF:1456410.8/6

+ sign 14.650+/-0.003 χ^2/NDF: 4112708.6/24

All: 14.150+/-0.002 χ^2/NDF: 9293363.8/50

- sign 13.658+/-0.003 χ^2/NDF: 5128513.7/25

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.006 χ^2/NDF:7.4/8

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

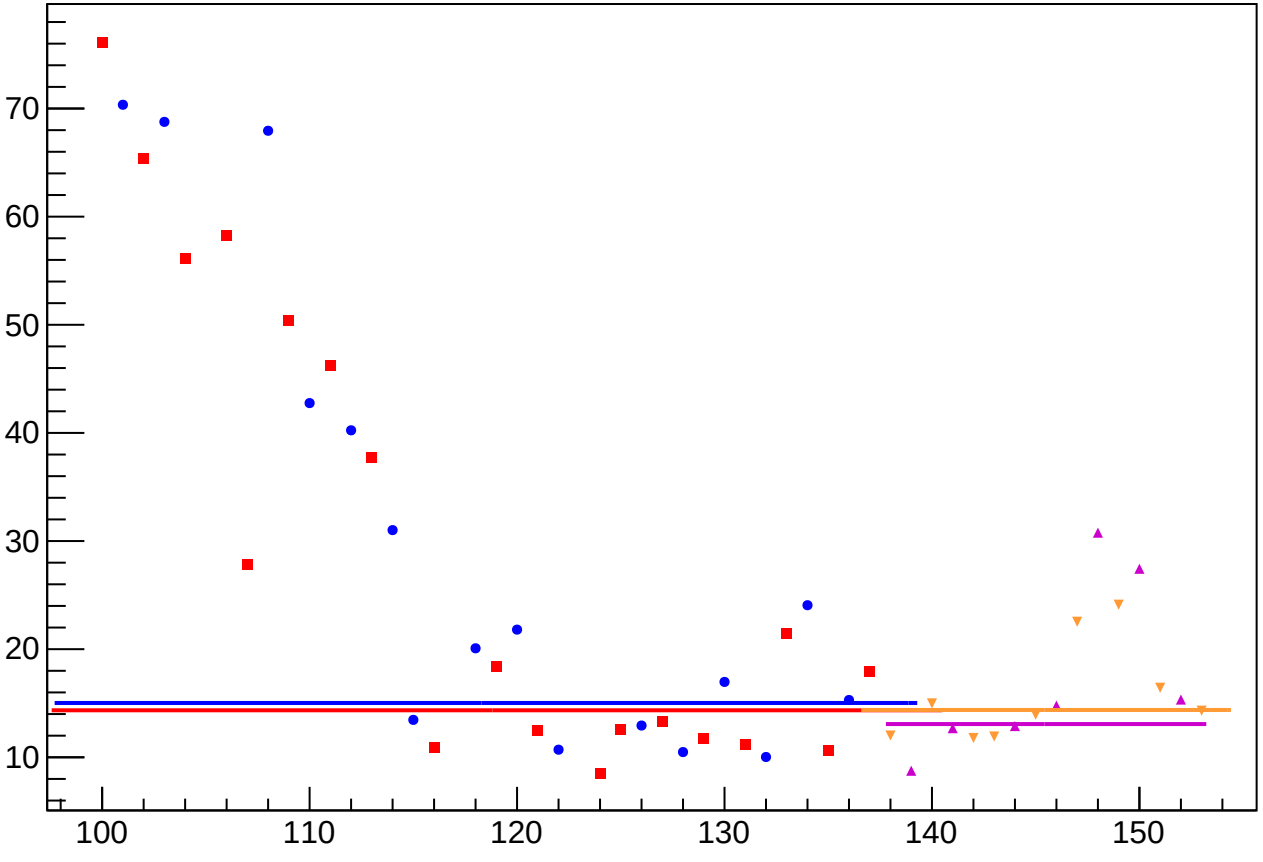
Left In: 0.007+/-0.006 χ^2/NDF:14.0/6

+ sign 0.001+/-0.004 χ^2/NDF: 24.9/24

All: 0.005+/-0.003 χ^2/NDF: 52.8/50

- sign 0.008+/-0.004 χ^2/NDF: 26.7/25

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.378+/-0.004 χ^2/NDF:663725.5/8

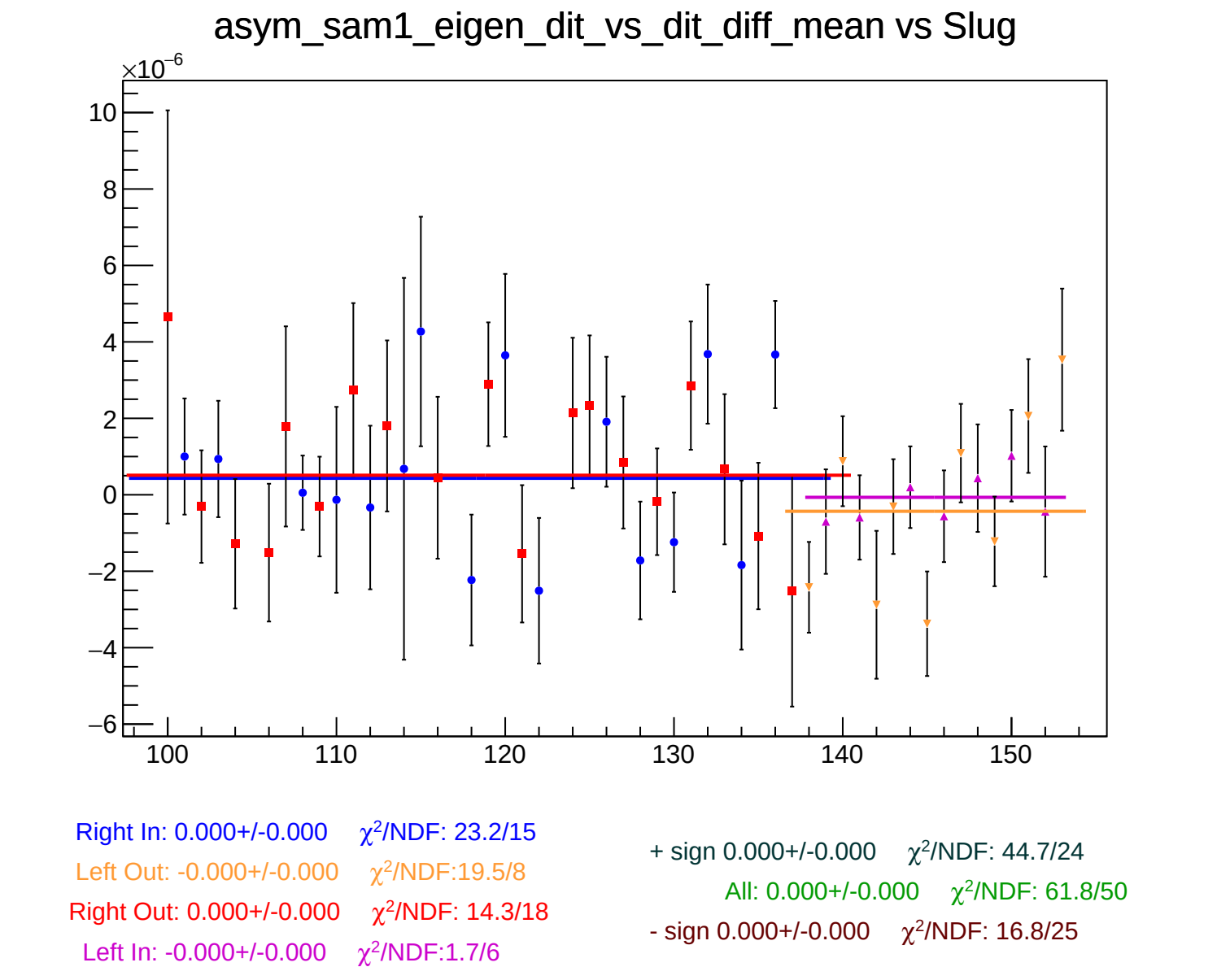
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

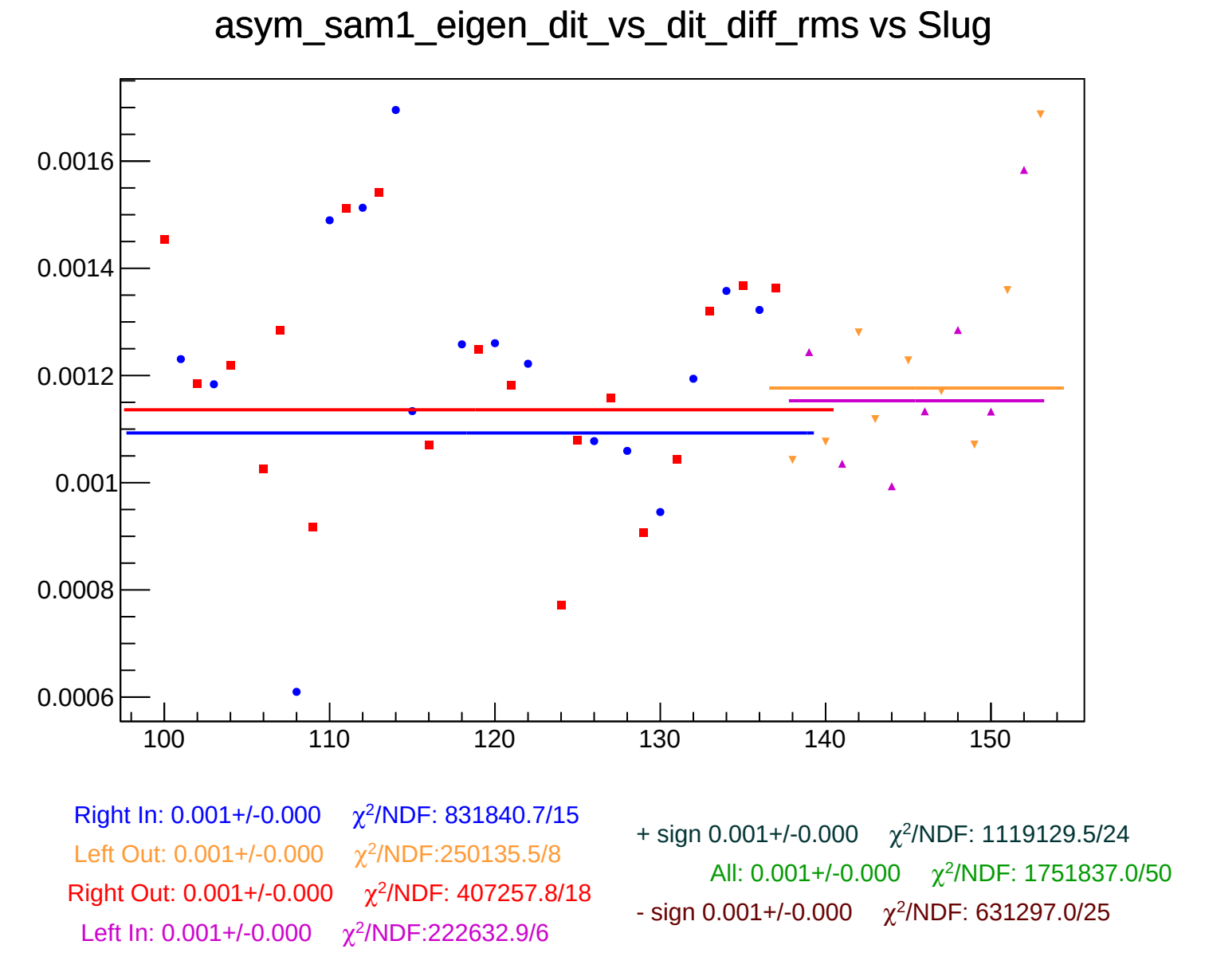
Left In: 13.075+/-0.004 χ^2/NDF:1456410.8/6

+ sign 14.650+/-0.003 χ^2/NDF: 4112708.6/24

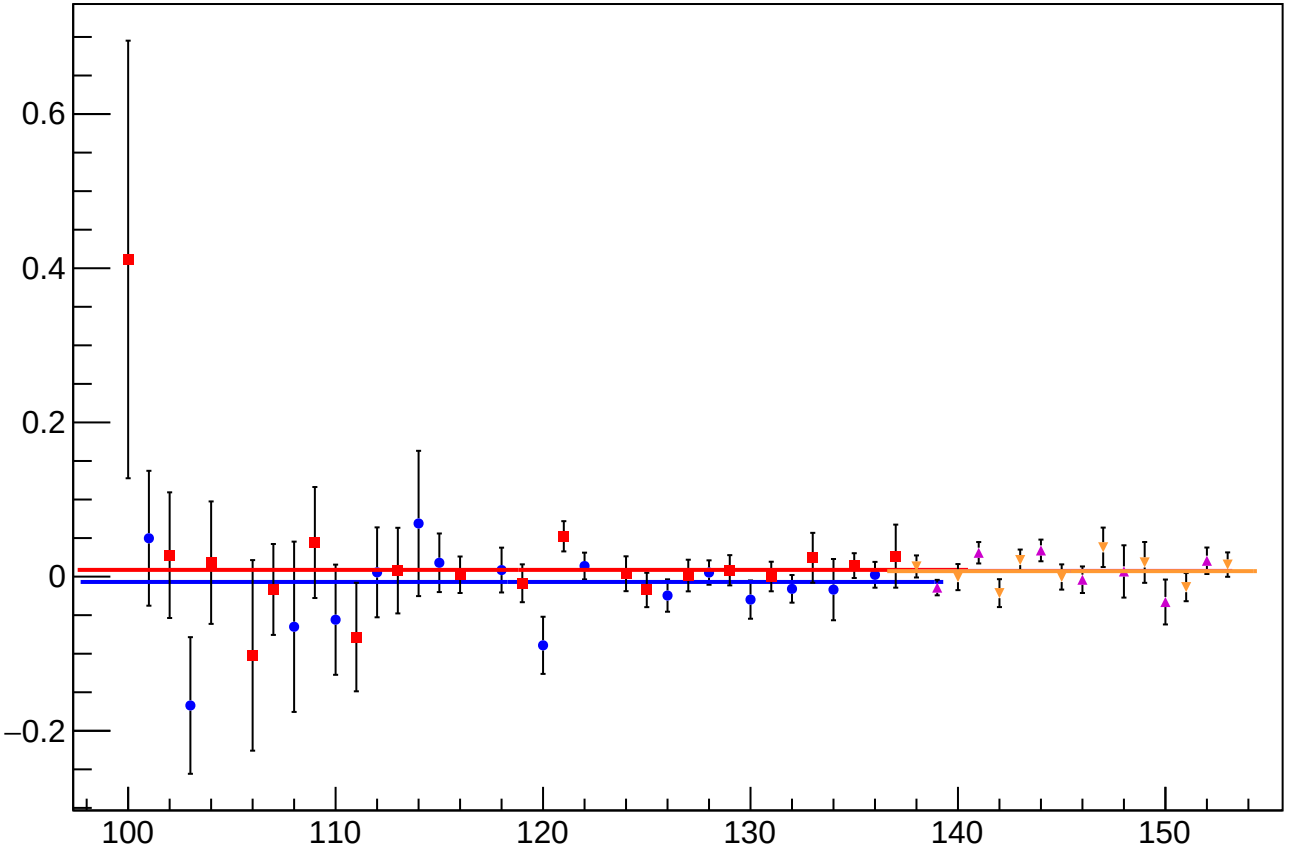
All: 14.150+/-0.002 χ^2/NDF: 9293363.8/50

- sign 13.658+/-0.003 χ^2/NDF: 5128513.7/25


asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.2/15
Left Out: -0.000+/-0.000 χ²/NDF:19.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:1.7/6
+ sign 0.000+/-0.000 χ²/NDF: 44.7/24
All: 0.000+/-0.000 χ²/NDF: 61.8/50
- sign 0.000+/-0.000 χ²/NDF: 16.8/25


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:250135.5/8
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:222632.9/6
+ sign 0.001+/-0.000 χ²/NDF: 1119129.5/24
All: 0.001+/-0.000 χ²/NDF: 1751837.0/50
- sign 0.001+/-0.000 χ²/NDF: 631297.0/25

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.006 χ^2/NDF:7.4/8

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

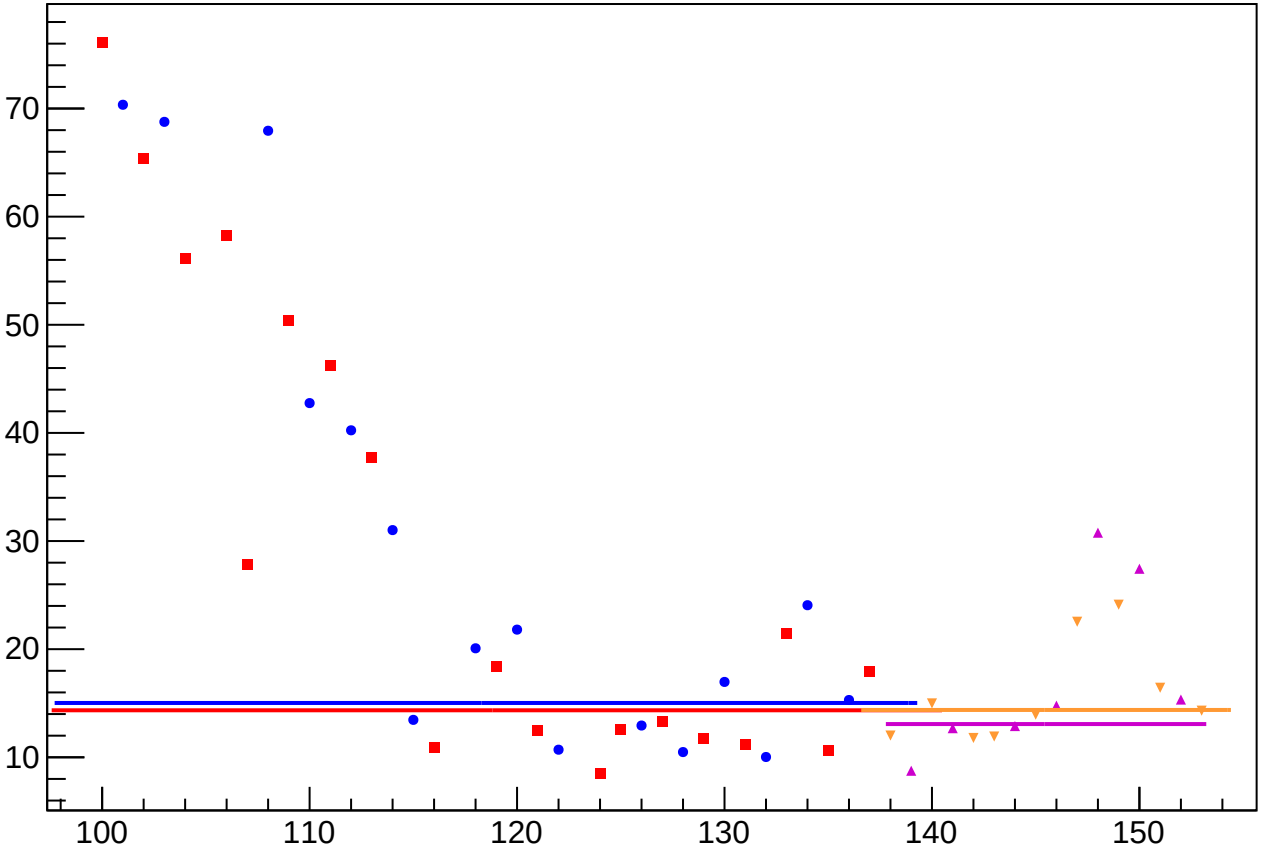
Left In: 0.007+/-0.006 χ^2/NDF:14.0/6

+ sign 0.001+/-0.004 χ^2/NDF: 24.9/24

All: 0.005+/-0.003 χ^2/NDF: 52.8/50

- sign 0.008+/-0.004 χ^2/NDF: 26.7/25

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.378+/-0.004 χ^2/NDF:663713.1/8

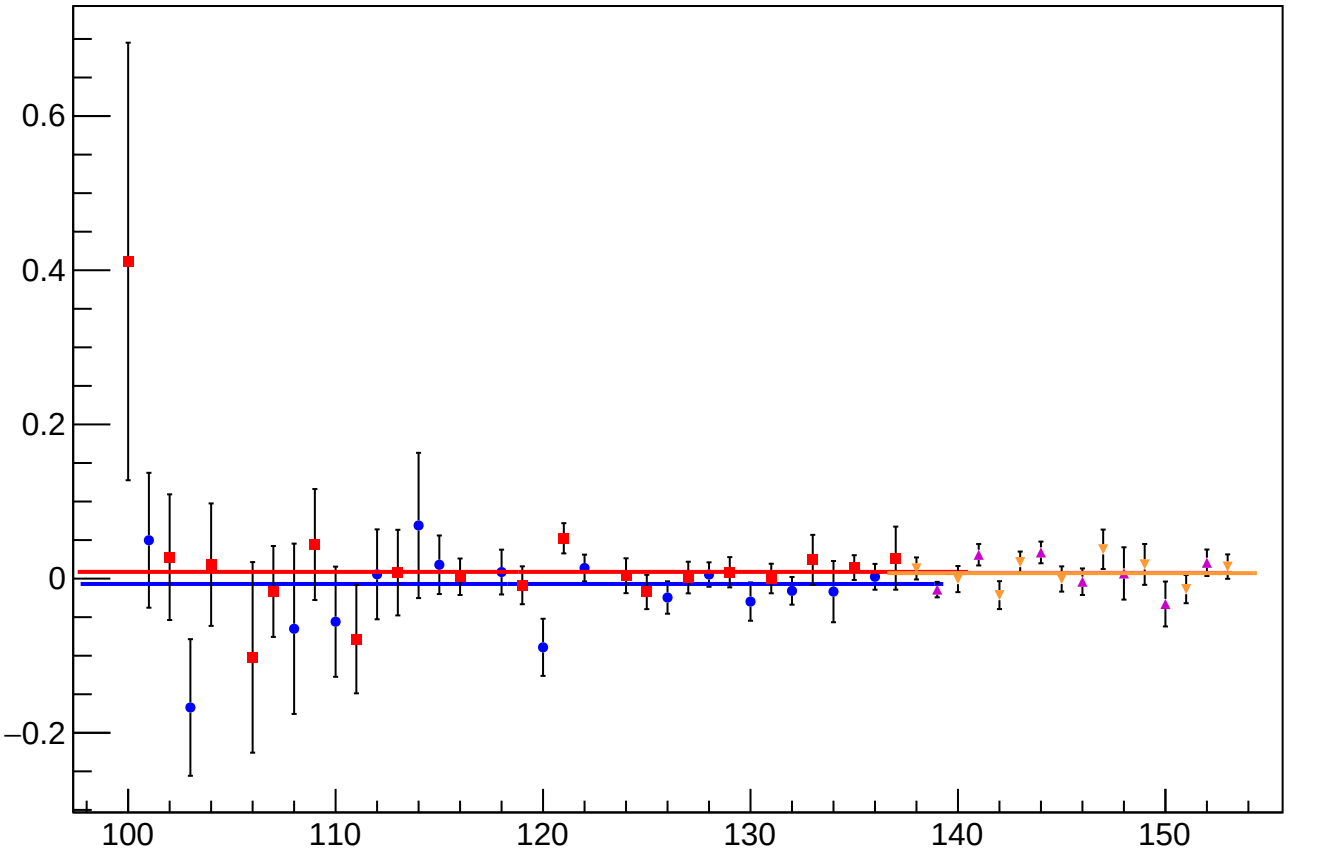
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.075+/-0.004 χ^2/NDF:1456428.4/6

+ sign 14.650+/-0.003 χ^2/NDF: 4112706.5/24

All: 14.150+/-0.002 χ^2/NDF: 9293365.0/50

- sign 13.658+/-0.003 χ^2/NDF: 5128516.0/25



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.006 χ^2/NDF:7.4/8

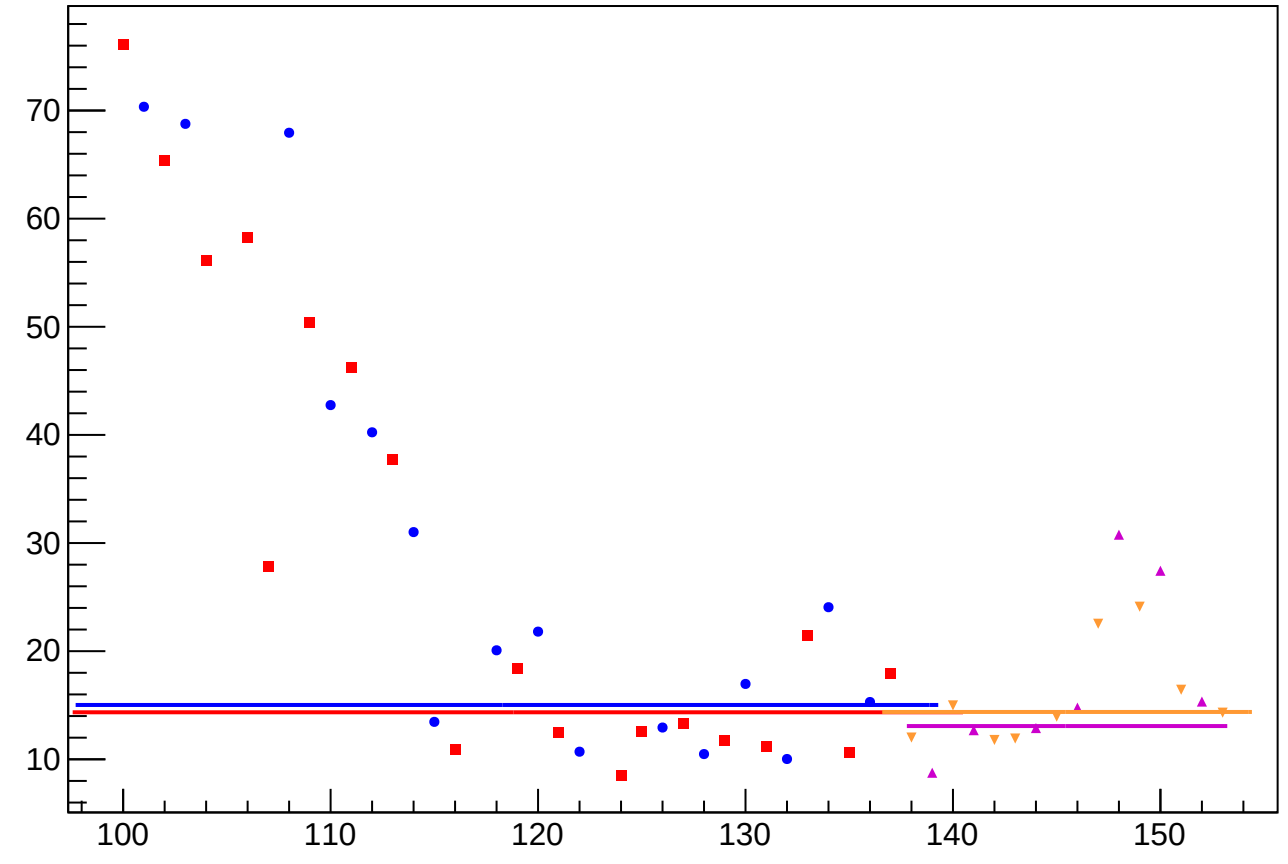
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.007+/-0.006 χ^2/NDF:14.0/6

+ sign 0.001+/-0.004 χ^2/NDF: 24.9/24

All: 0.005+/-0.003 χ^2/NDF: 52.8/50

- sign 0.008+/-0.004 χ^2/NDF: 26.7/25



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.378+/-0.004 χ^2/NDF:663713.1/8

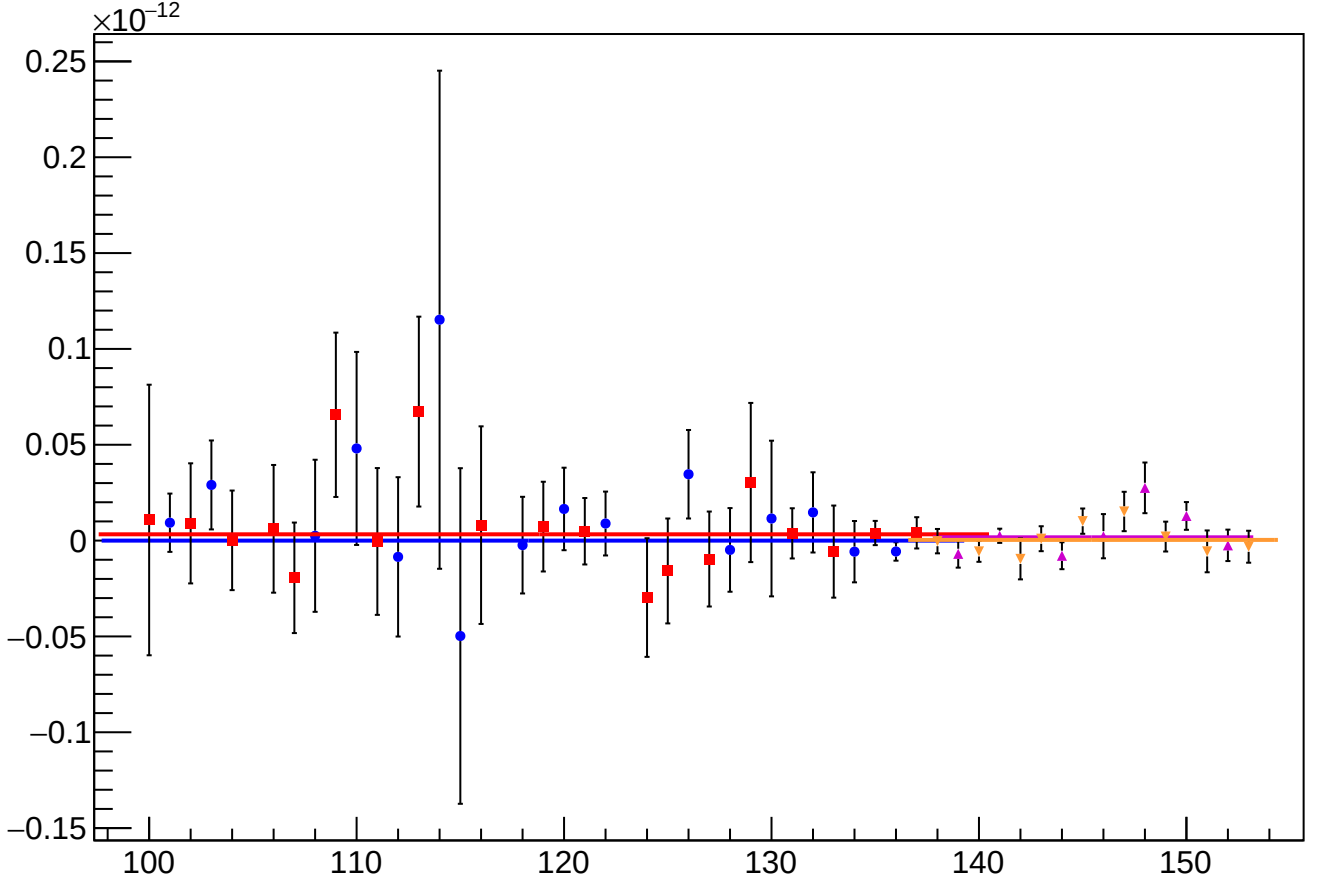
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.075+/-0.004 χ^2/NDF:1456428.4/6

+ sign 14.650+/-0.003 χ^2/NDF: 4112706.5/24

All: 14.150+/-0.002 χ^2/NDF: 9293365.0/50

- sign 13.658+/-0.003 χ^2/NDF: 5128516.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

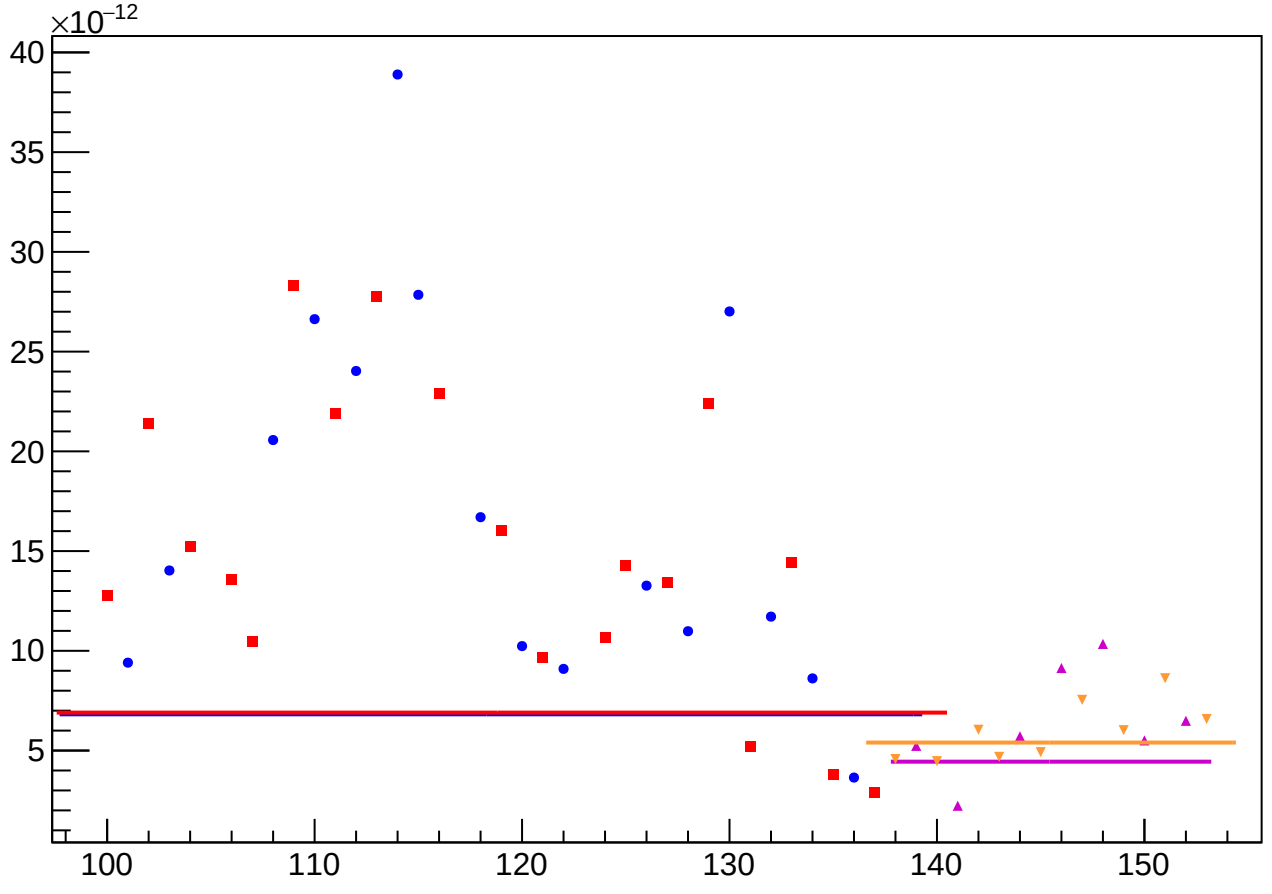
Left In: 0.000+/-0.000 χ^2/NDF:9.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 16.2/24

All: 0.000+/-0.000 χ^2/NDF: 33.6/50

- sign 0.000+/-0.000 χ^2/NDF: 16.9/25

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:449600.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

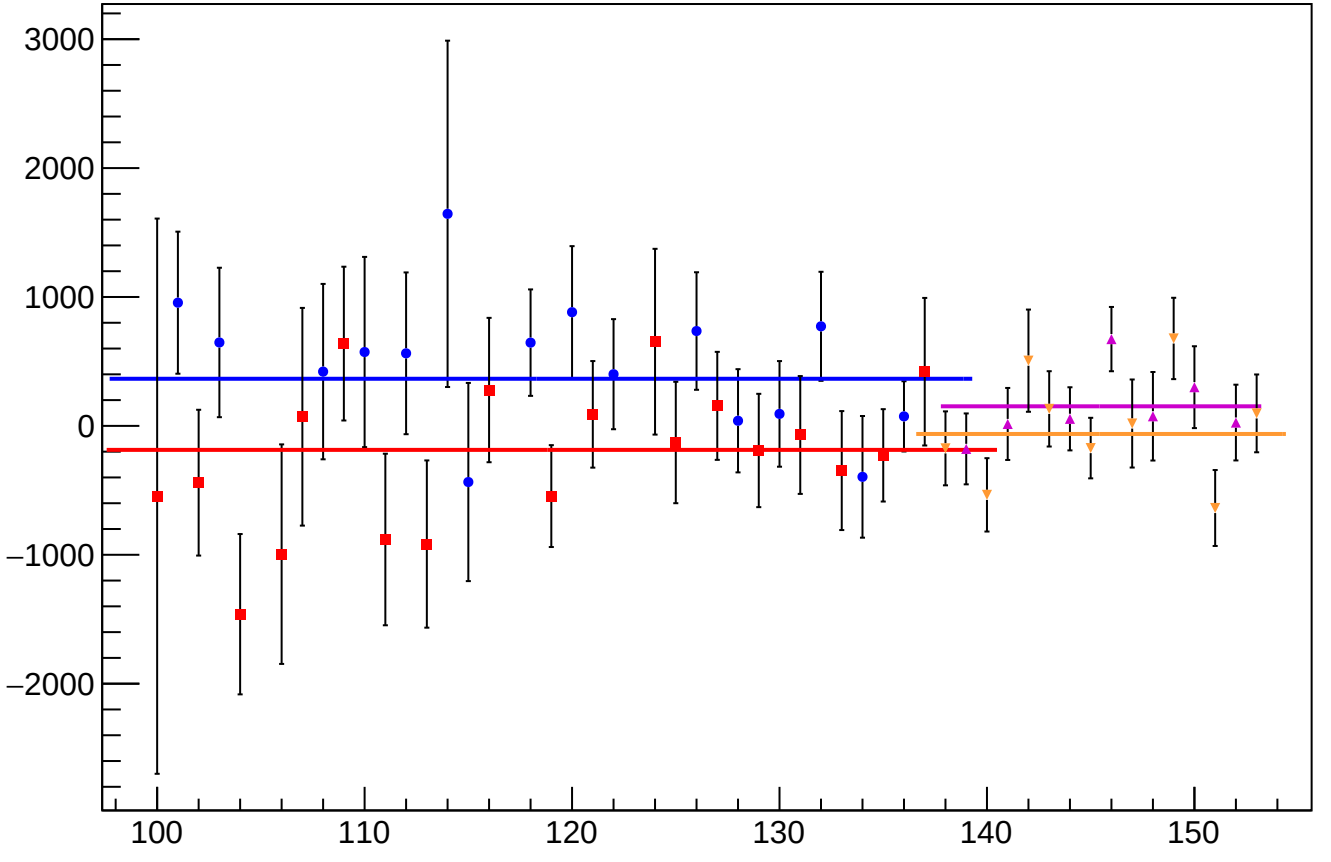
Left In: 0.000+/-0.000 χ^2/NDF:1700452.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 4156527.0/24

All: 0.000+/-0.000 χ^2/NDF: 10756967.0/50

- sign 0.000+/-0.000 χ^2/NDF: 6495765.0/25

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -62.718+/-99.103 χ^2/NDF:15.3/8

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

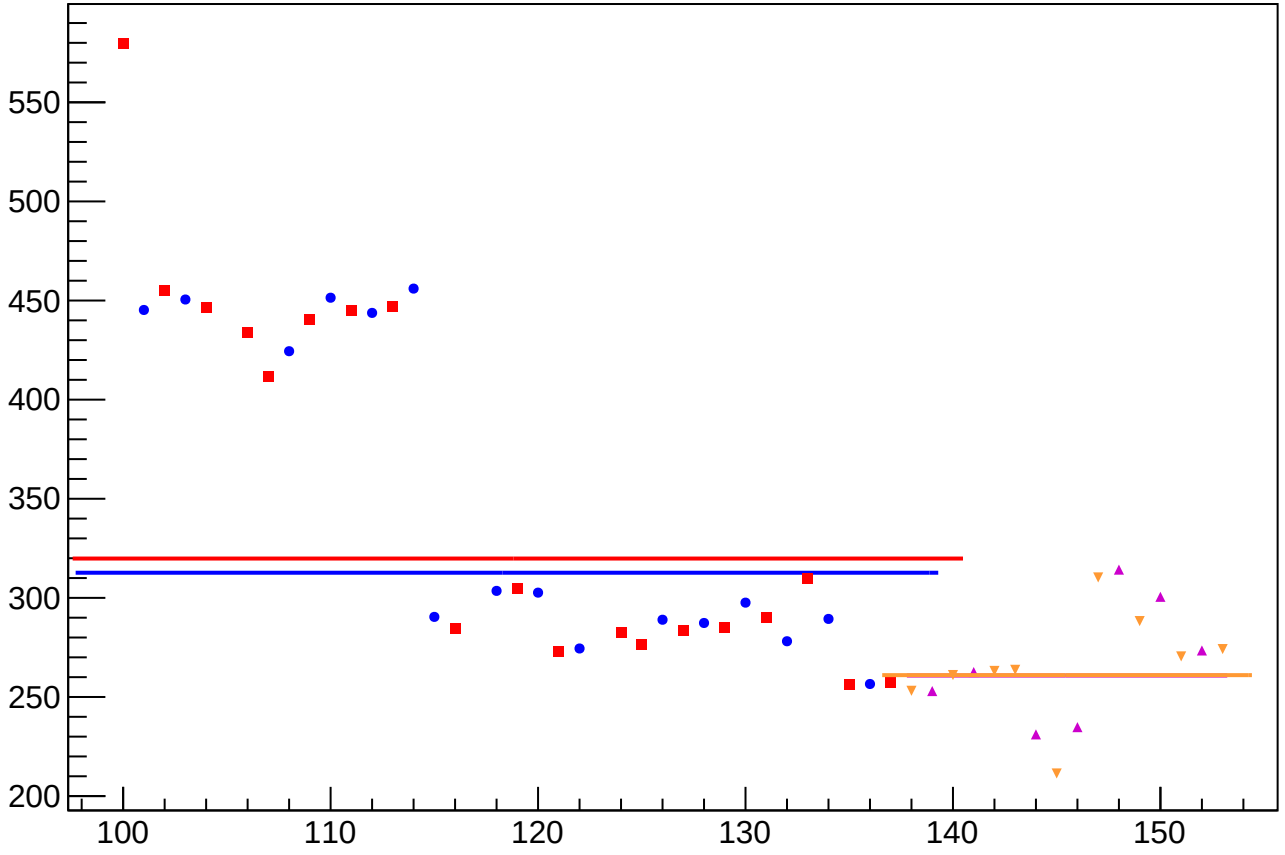
Left In: 151.870+/-106.134 χ^2/NDF:6.7/6

+ sign 112.885+/-76.120 χ^2/NDF: 34.4/24

All: 60.736+/-54.999 χ^2/NDF: 61.5/50

- sign 3.773+/-79.555 χ^2/NDF: 26.1/25

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 261.021+/-0.070 χ^2/NDF:153382.8/8

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

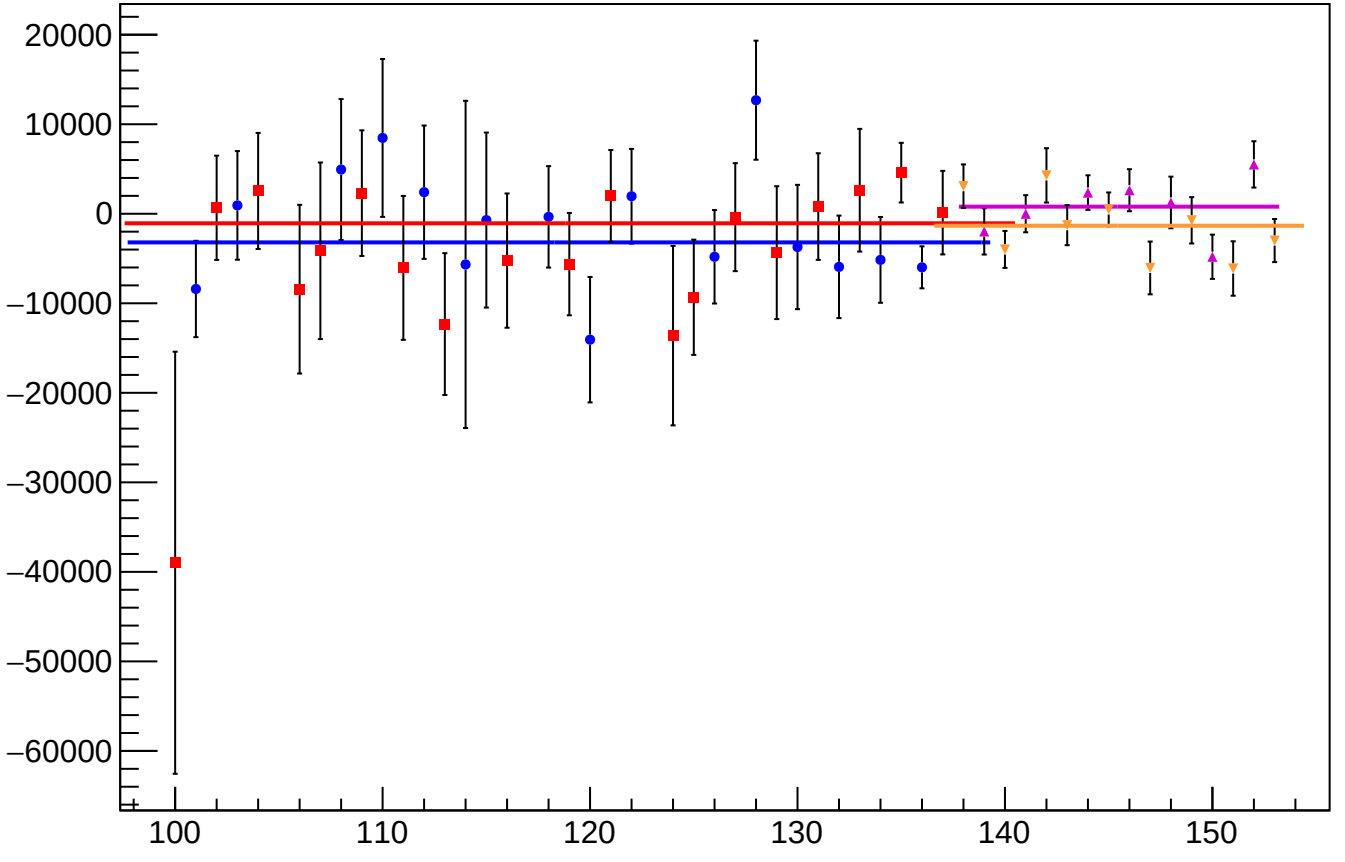
Left In: 260.808+/-0.075 χ^2/NDF:136299.3/6

+ sign 282.205+/-0.054 χ^2/NDF: 978444.0/24

All: 284.340+/-0.039 χ^2/NDF: 2087009.7/50

- sign 286.673+/-0.056 χ^2/NDF: 1105272.1/25

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1333.963+/-806.927 χ^2/NDF:14.9/8

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

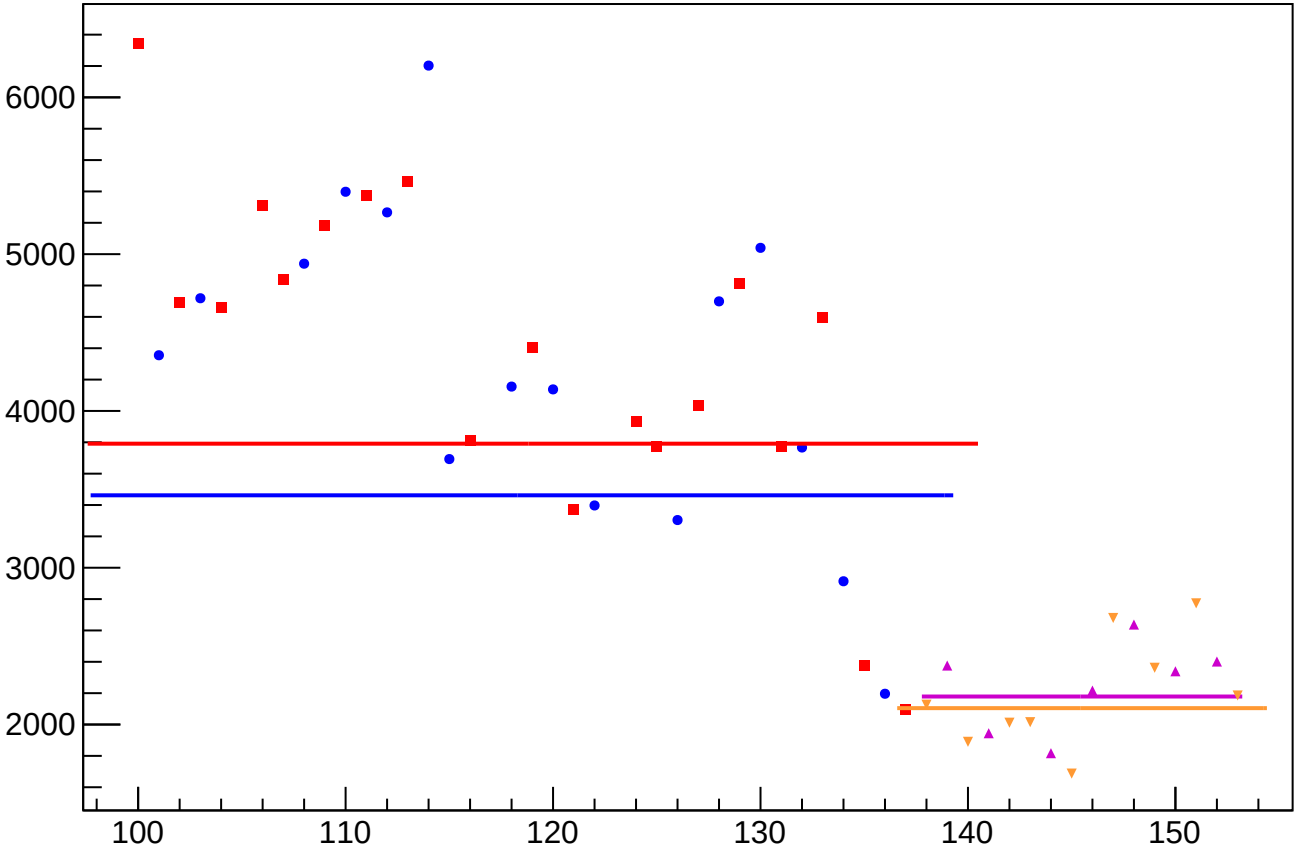
Left In: 795.065+/-888.999 χ^2/NDF:11.0/6

+ sign -1822.789+/-693.142 χ^2/NDF: 32.4/24

All: -862.256+/-511.194 χ^2/NDF: 63.2/50

- sign 283.221+/-756.936 χ^2/NDF: 26.6/25

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2104.471+/-0.571 χ^2/NDF:318849.4/8

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

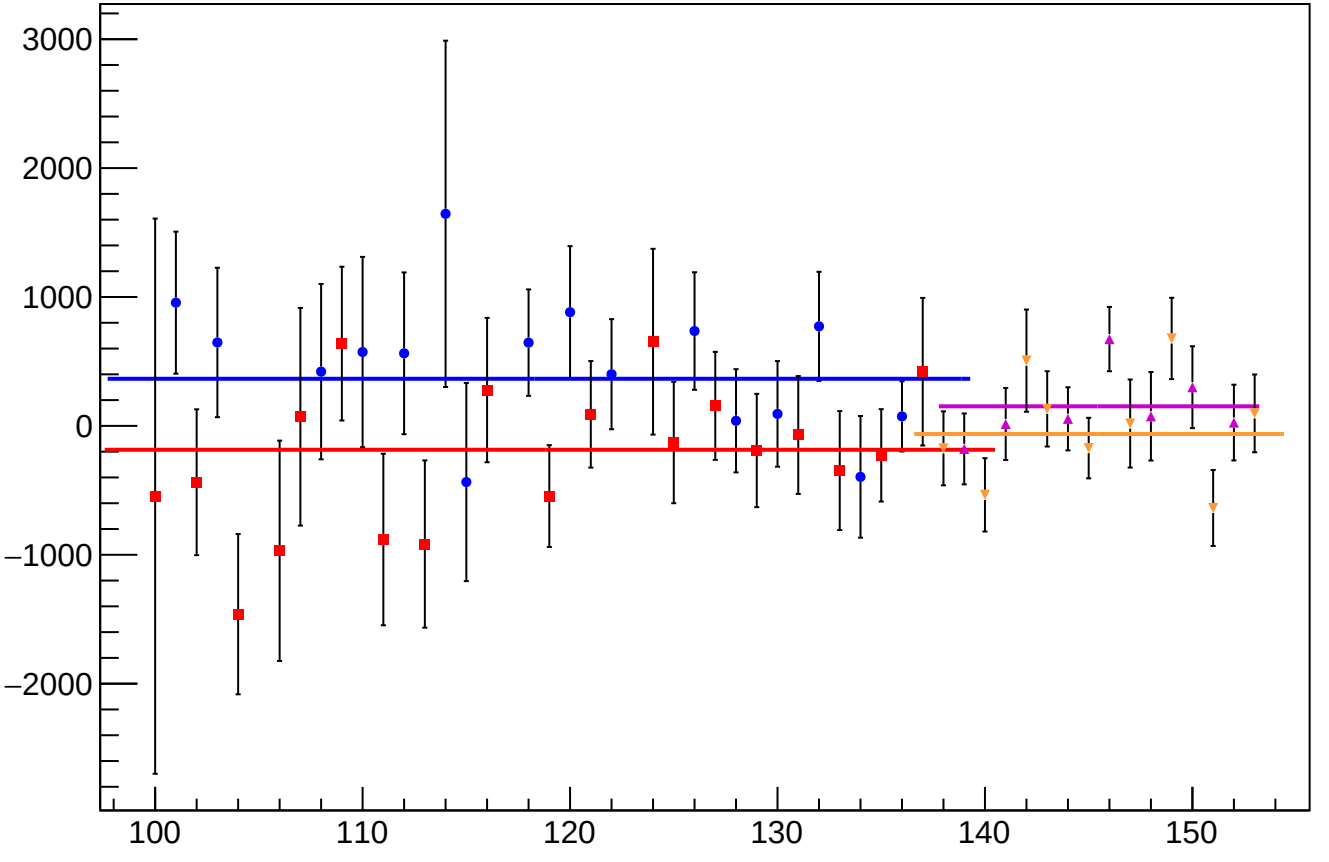
Left In: 2178.642+/-0.629 χ^2/NDF:181866.7/6

+ sign 2460.310+/-0.490 χ^2/NDF: 3112108.7/24

All: 2534.126+/-0.361 χ^2/NDF: 6309352.7/50

- sign 2622.156+/-0.535 χ^2/NDF: 3147511.3/25

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -62.714+/-99.103 χ^2/NDF:15.3/8

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

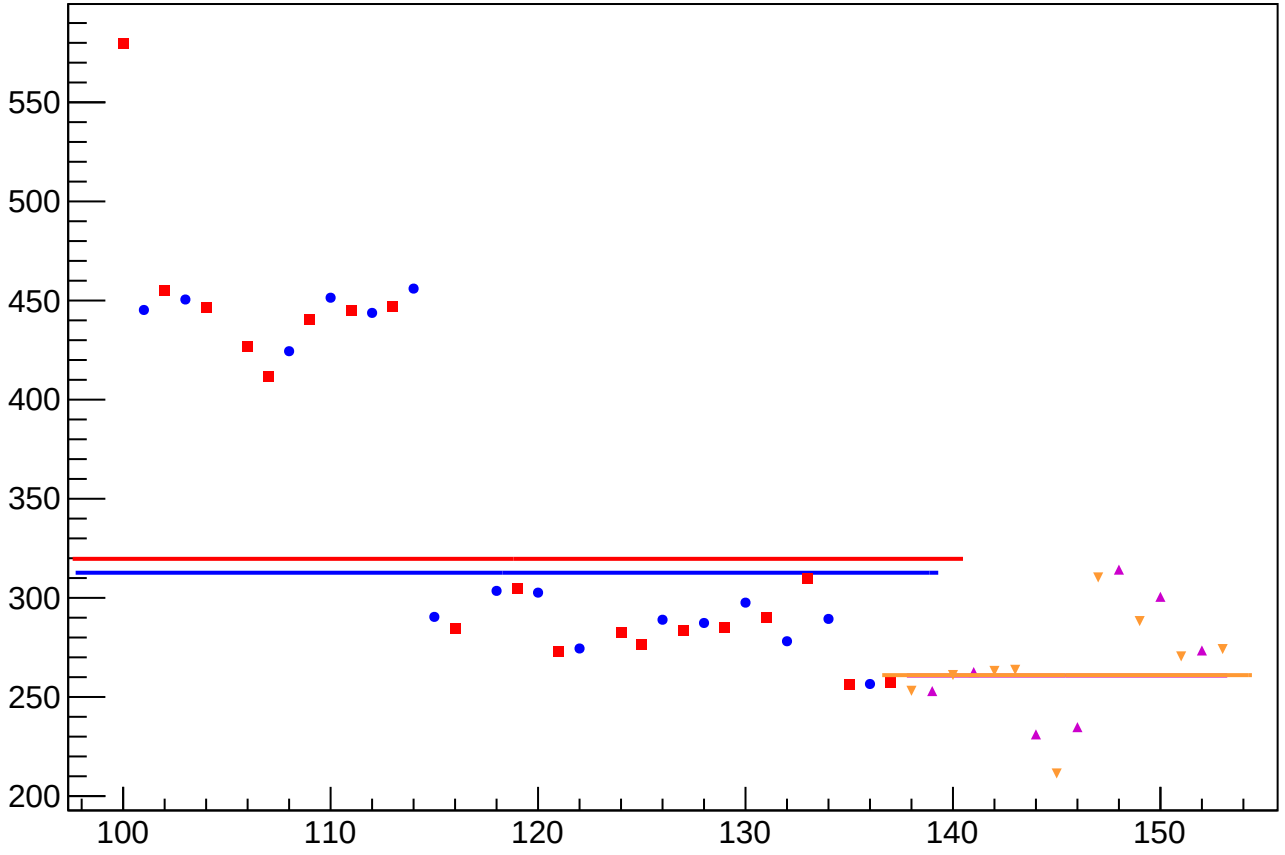
Left In: 151.864+/-106.134 χ^2/NDF:6.7/6

+ sign 112.881+/-76.120 χ^2/NDF: 34.4/24

All: 60.911+/-55.000 χ^2/NDF: 61.4/50

- sign 4.140+/-79.558 χ^2/NDF: 26.0/25

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 261.021+/-0.070 χ^2/NDF:153382.8/8

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

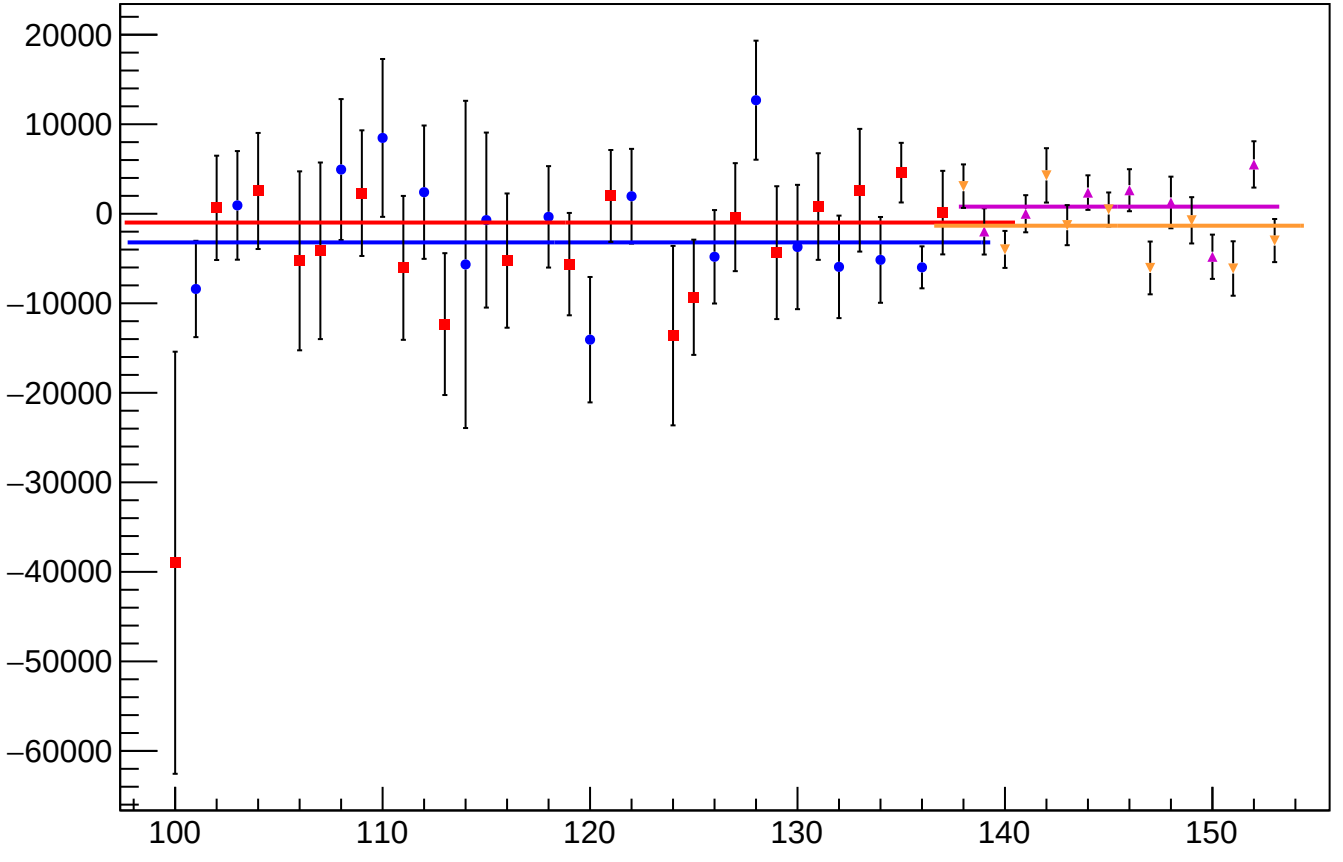
Left In: 260.808+/-0.075 χ^2/NDF:136299.3/6

+ sign 282.205+/-0.054 χ^2/NDF: 978445.6/24

All: 284.308+/-0.039 χ^2/NDF: 2081361.4/50

- sign 286.605+/-0.056 χ^2/NDF: 1099721.3/25

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1333.956+/-806.927 χ^2/NDF:14.9/8

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

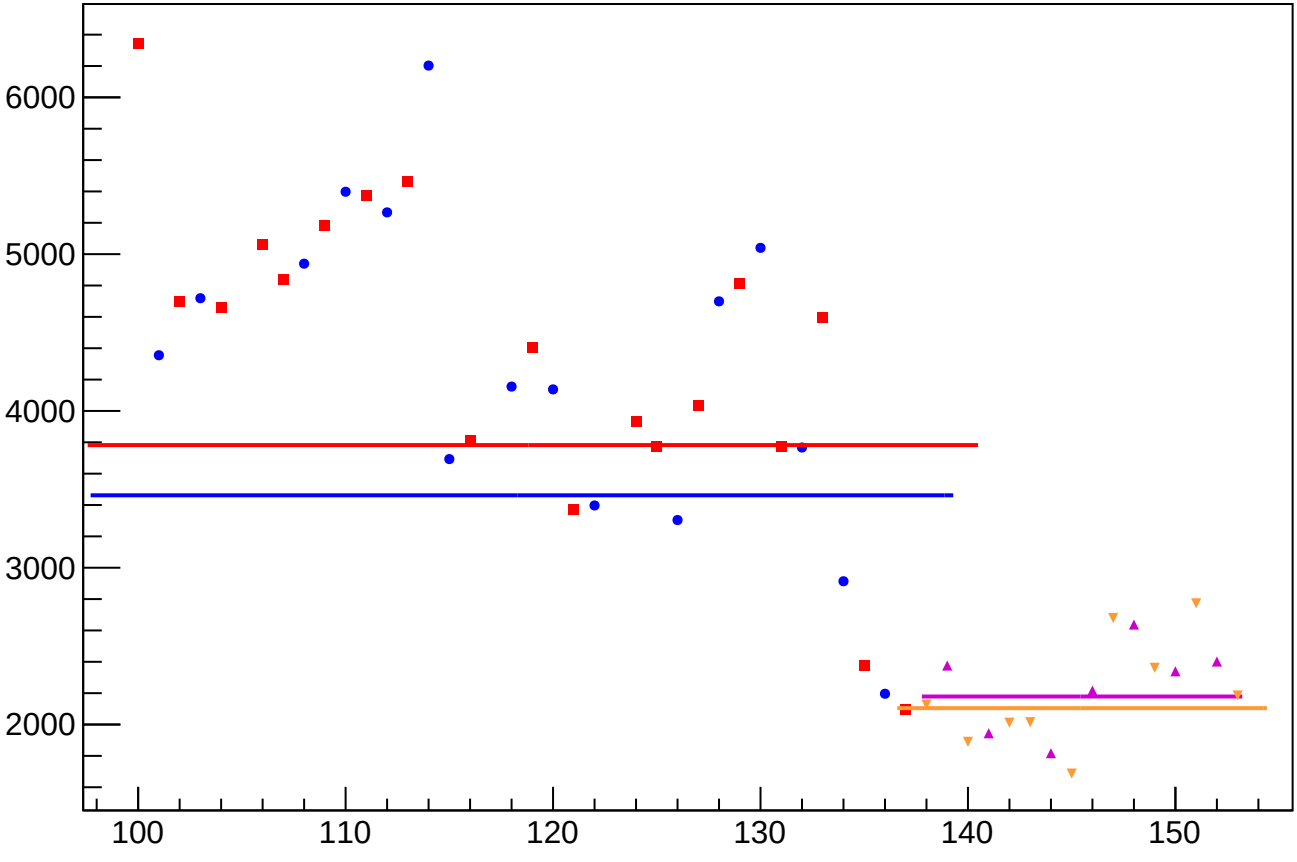
Left In: 795.049+/-888.999 χ^2/NDF:11.0/6

+ sign -1822.764+/-693.143 χ^2/NDF: 32.4/24

All: -851.541+/-511.280 χ^2/NDF: 62.7/50

- sign 307.538+/-757.216 χ^2/NDF: 26.1/25

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2104.471+/-0.571 χ^2/NDF:318850.2/8

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

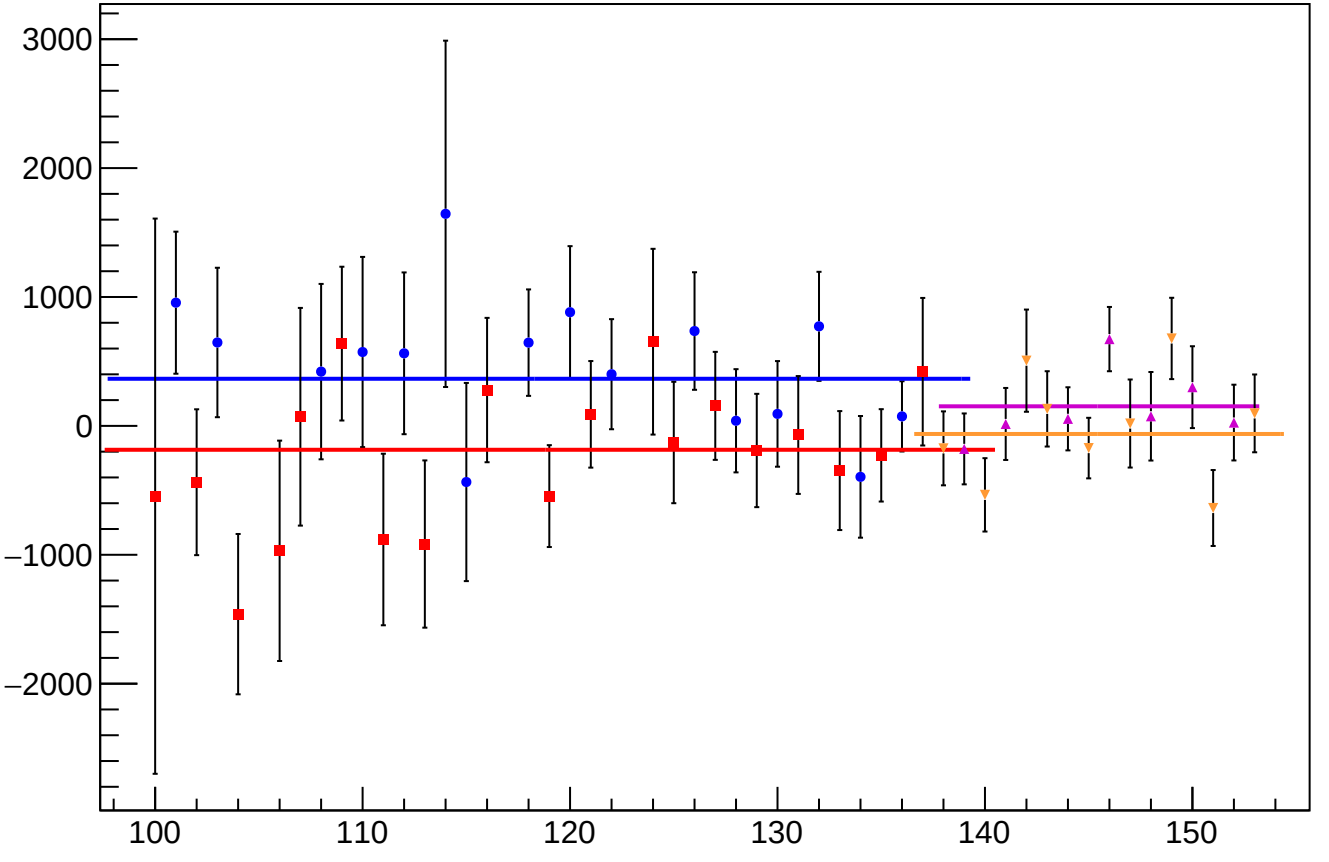
Left In: 2178.643+/-0.629 χ^2/NDF:181867.4/6

+ sign 2460.309+/-0.490 χ^2/NDF: 3112132.1/24

All: 2532.573+/-0.362 χ^2/NDF: 6264214.2/50

- sign 2618.815+/-0.535 χ^2/NDF: 3104400.2/25

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -62.714+/-99.103 χ^2/NDF:15.3/8

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

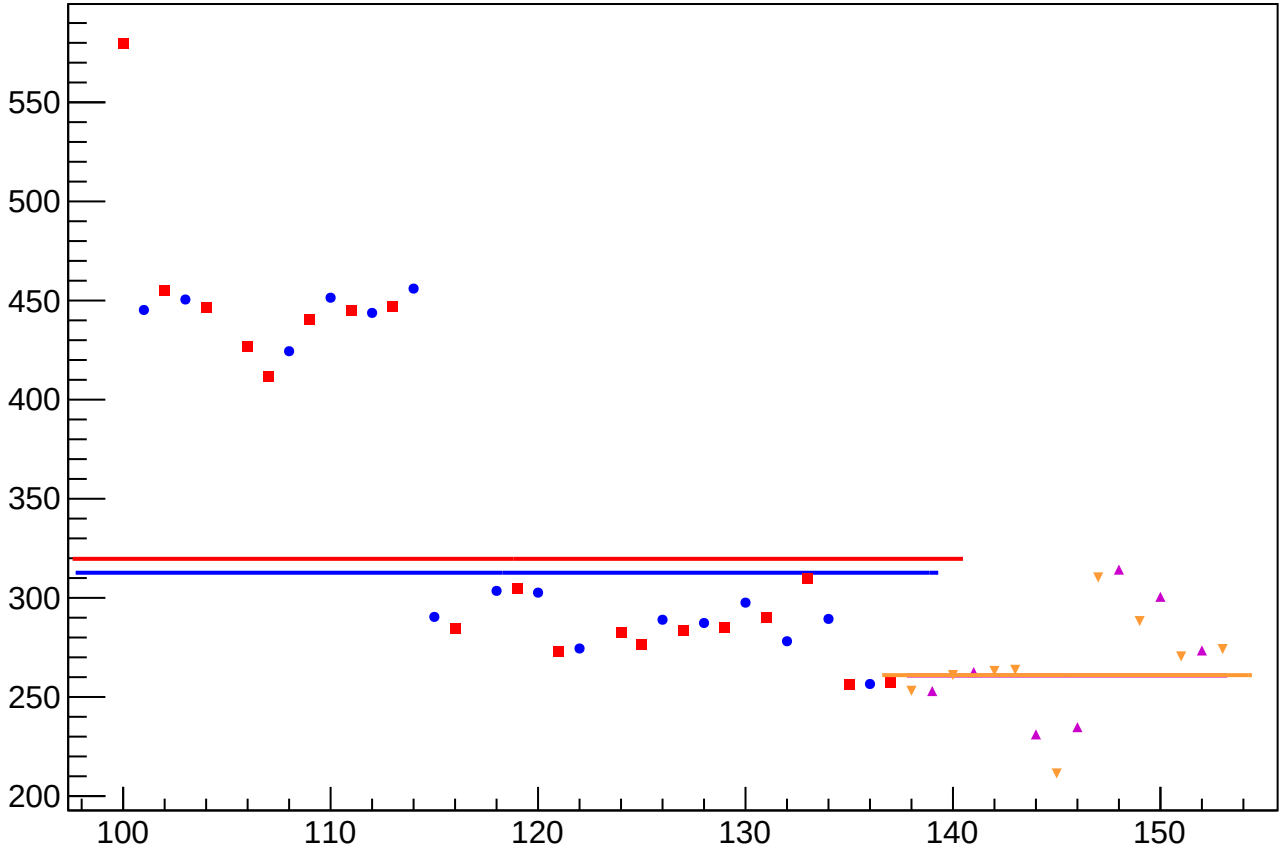
Left In: 151.864+/-106.134 χ^2/NDF:6.7/6

+ sign 112.881+/-76.120 χ^2/NDF: 34.4/24

All: 60.911+/-55.000 χ^2/NDF: 61.4/50

- sign 4.140+/-79.558 χ^2/NDF: 26.0/25

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 261.021+/-0.070 χ^2/NDF:153382.8/8

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

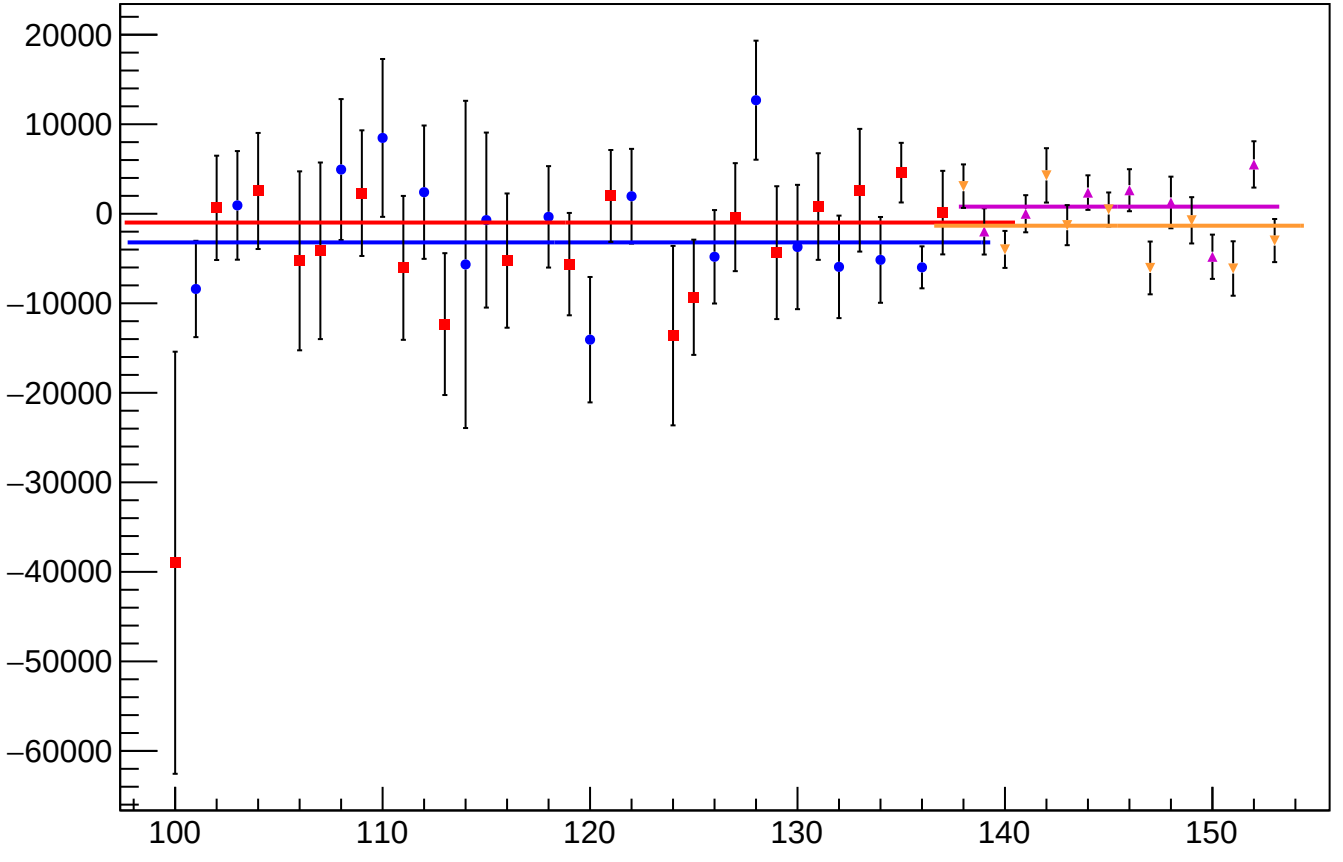
Left In: 260.808+/-0.075 χ^2/NDF:136299.3/6

+ sign 282.205+/-0.054 χ^2/NDF: 978445.6/24

All: 284.308+/-0.039 χ^2/NDF: 2081361.4/50

- sign 286.605+/-0.056 χ^2/NDF: 1099721.3/25

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1333.956+/-806.927 χ^2/NDF:14.9/8

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

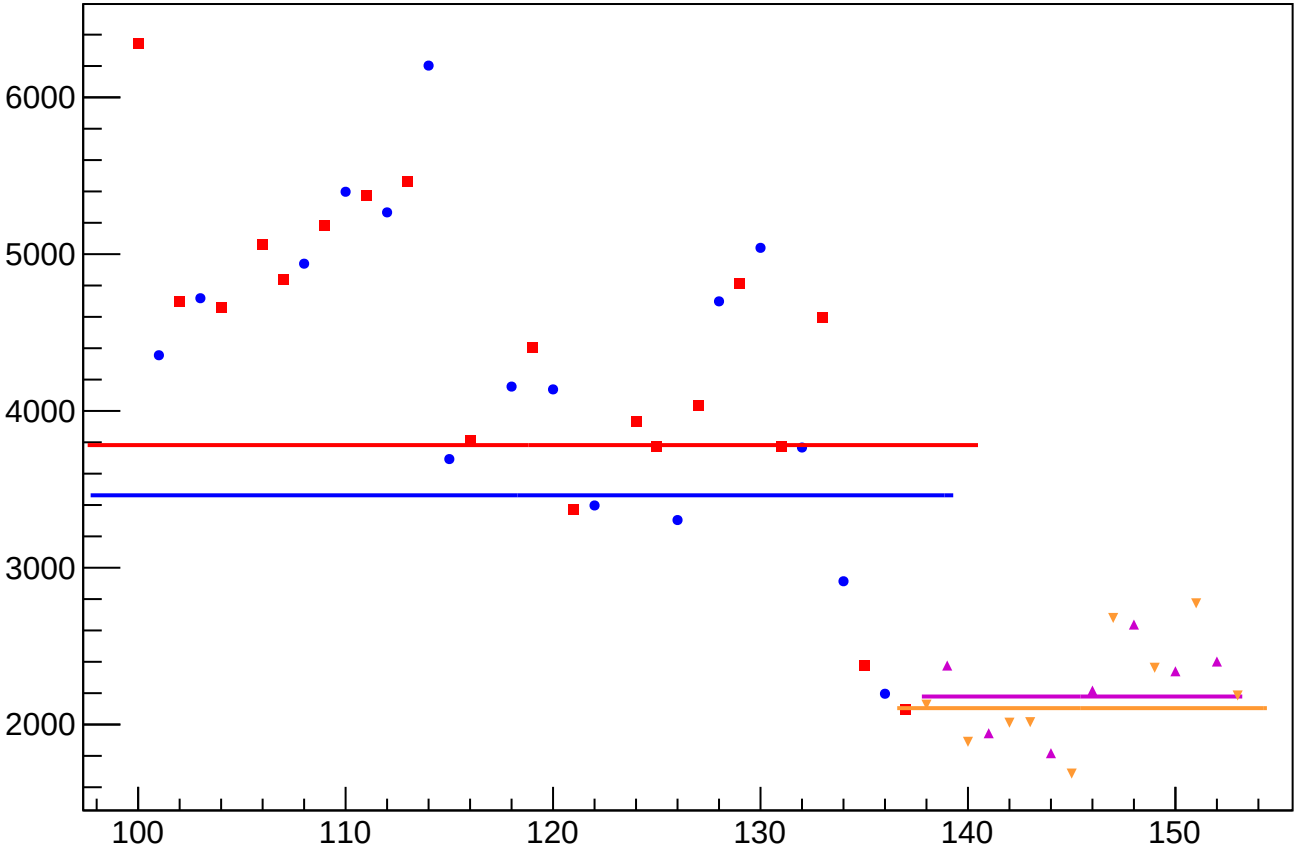
Left In: 795.049+/-888.999 χ^2/NDF:11.0/6

+ sign -1822.764+/-693.143 χ^2/NDF: 32.4/24

All: -851.541+/-511.280 χ^2/NDF: 62.7/50

- sign 307.538+/-757.216 χ^2/NDF: 26.1/25

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2104.471+/-0.571 χ^2/NDF:318850.2/8

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

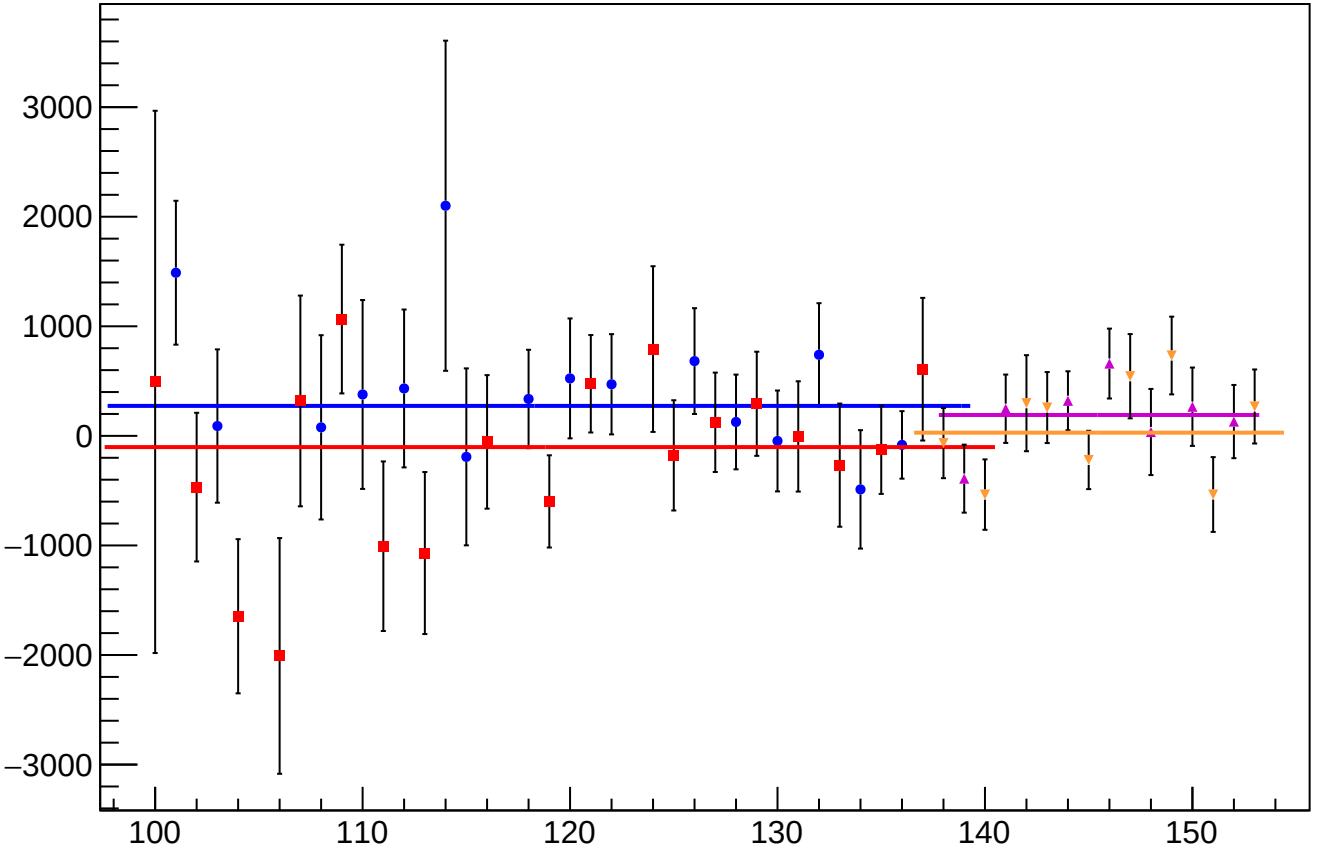
Left In: 2178.643+/-0.629 χ^2/NDF:181867.4/6

+ sign 2460.309+/-0.490 χ^2/NDF: 3112132.1/24

All: 2532.573+/-0.362 χ^2/NDF: 6264214.2/50

- sign 2618.815+/-0.535 χ^2/NDF: 3104400.2/25

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: 29.126+/-111.573 χ^2/NDF:13.9/8

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

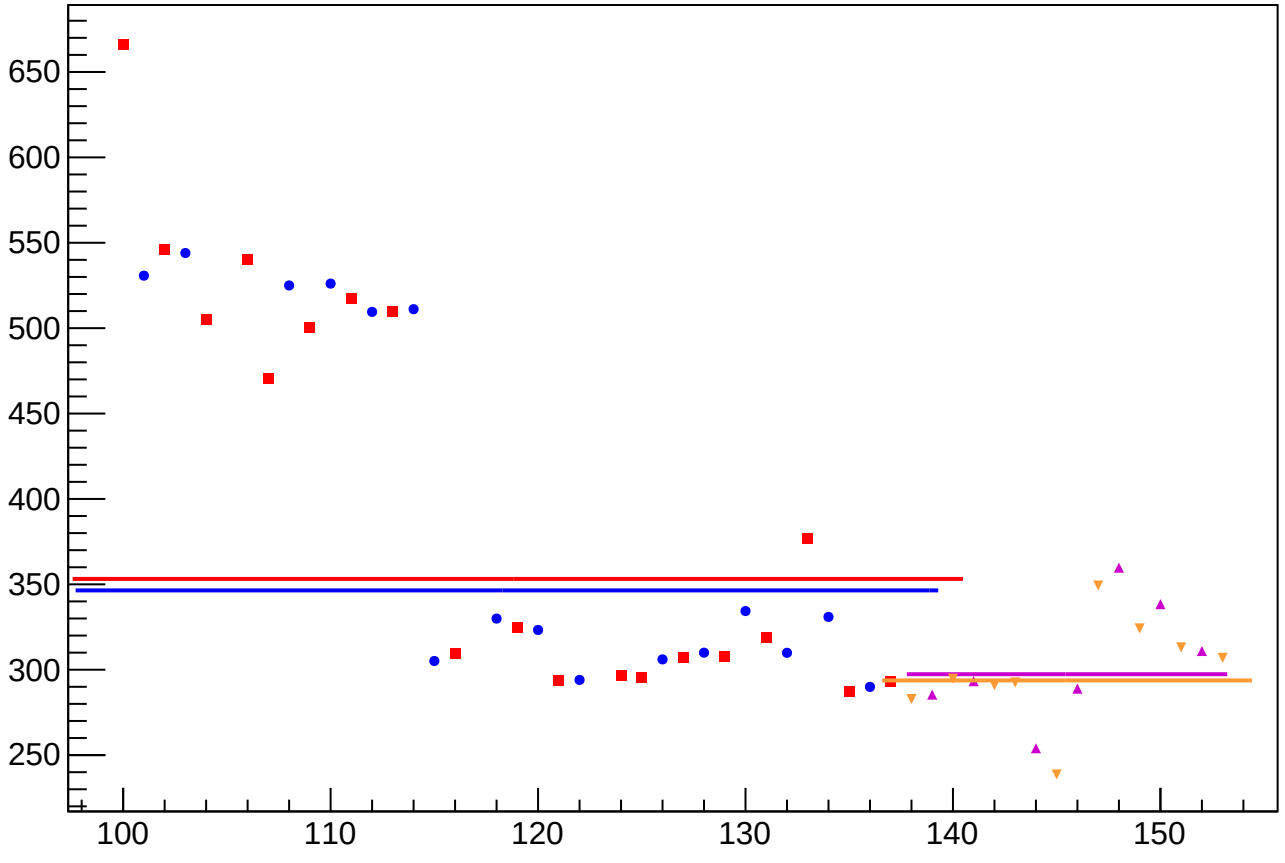
Left In: 190.656+/-121.681 χ^2/NDF:6.2/6

\+ sign 130.513+/-85.355 χ^2/NDF: 27.3/24

All: 96.066+/-61.920 χ^2/NDF: 57.8/50

\- sign 57.801+/-89.963 χ^2/NDF: 30.1/25

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 293.739+/-0.079 χ^2/NDF:154035.3/8

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

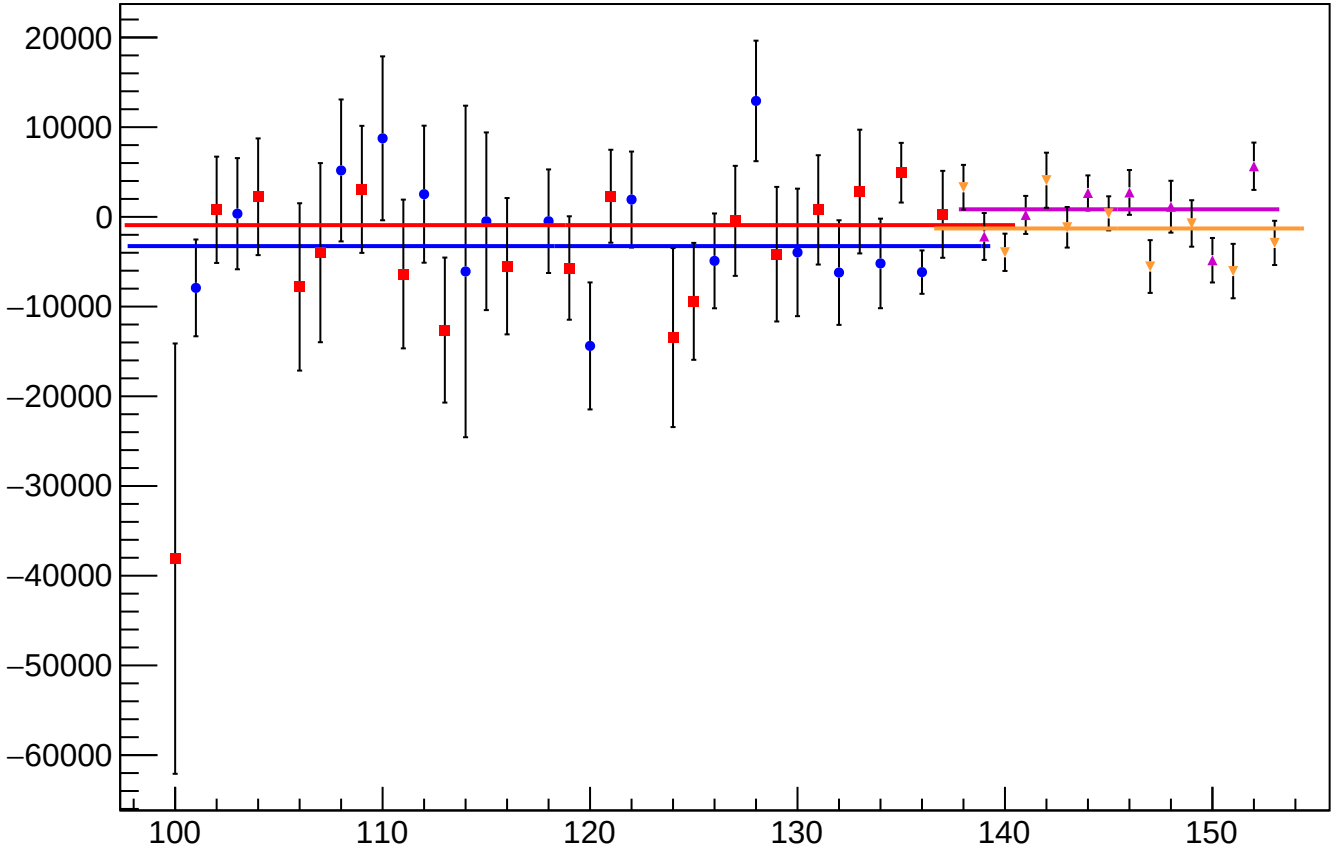
Left In: 297.374+/-0.086 χ^2/NDF:136519.6/6

+ sign 315.603+/-0.060 χ^2/NDF: 1107972.6/24

All: 318.953+/-0.044 χ^2/NDF: 2308073.9/50

- sign 322.675+/-0.064 χ^2/NDF: 1193597.2/25

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1292.992+/-814.118 χ^2/NDF:13.9/8

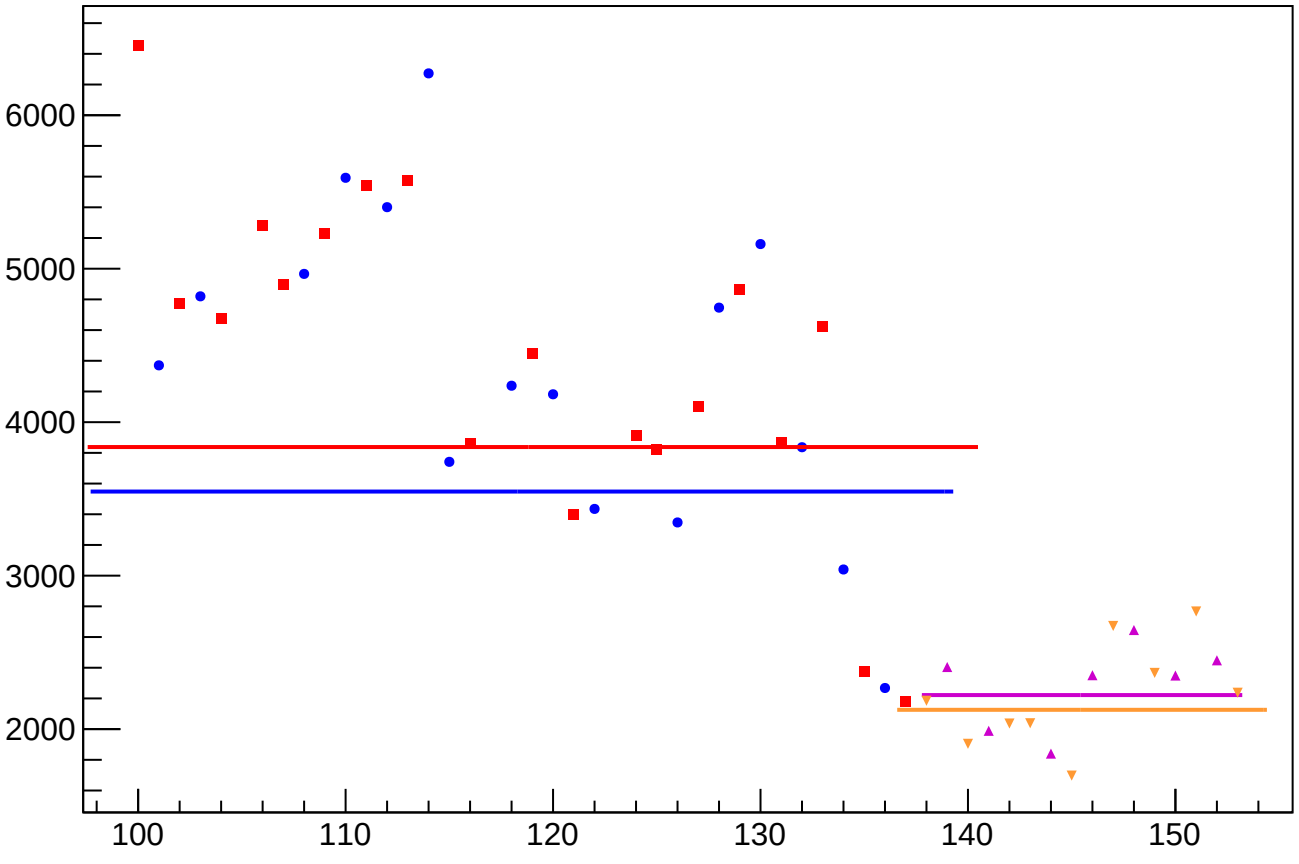
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 843.649+/-906.723 χ^2/NDF:11.4/6

+ sign -1798.275+/-701.734 χ^2/NDF: 31.4/24

All: -822.828+/-518.773 χ^2/NDF: 62.8/50

- sign 352.774+/-770.373 χ^2/NDF: 27.1/25



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2125.833+/-0.576 χ^2/NDF:310076.9/8

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

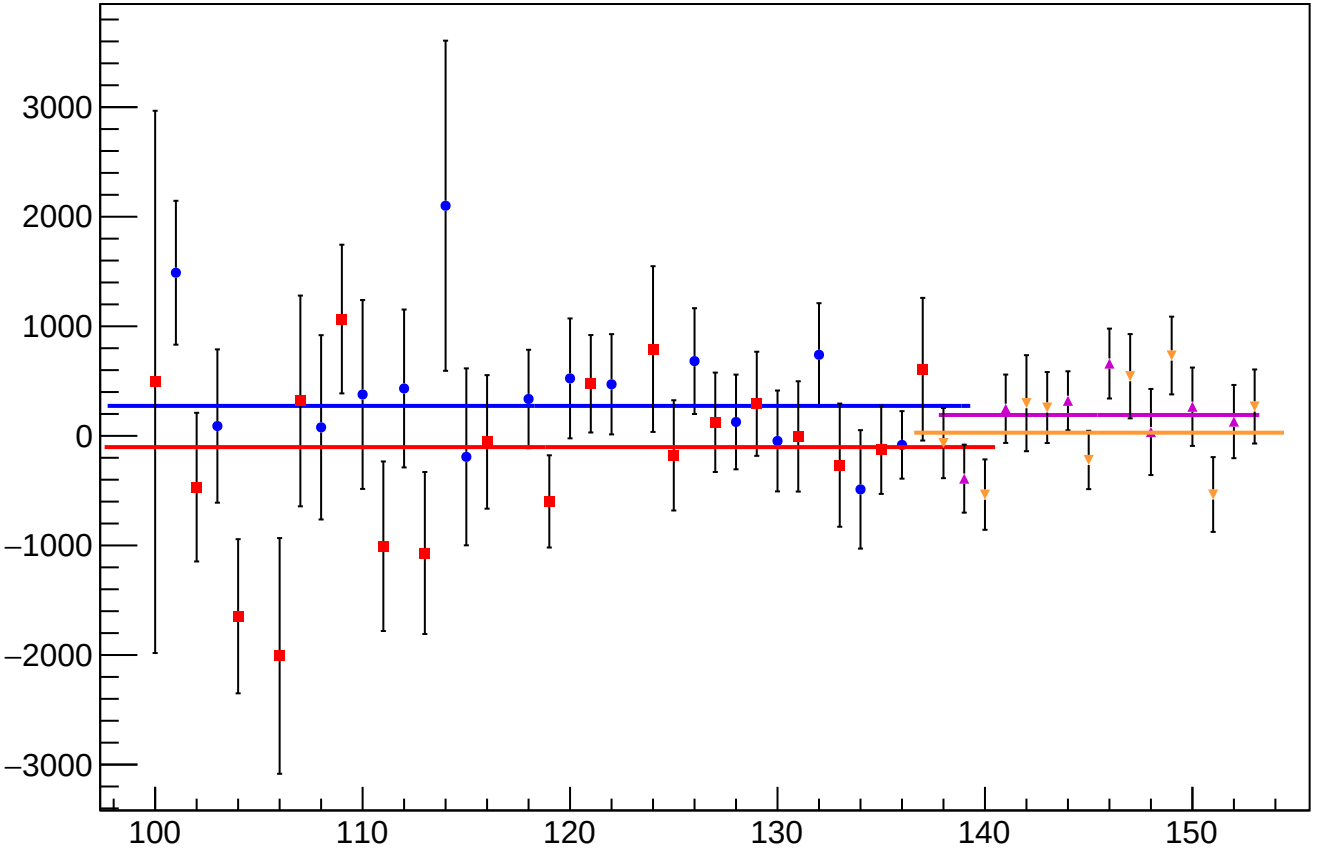
Left In: 2221.876+/-0.641 χ^2/NDF:178348.3/6

+ sign 2491.366+/-0.496 χ^2/NDF: 3137205.1/24

All: 2572.996+/-0.367 χ^2/NDF: 6298233.0/50

- sign 2671.377+/-0.545 χ^2/NDF: 3101347.0/25

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: 29.121+/-111.573 χ^2/NDF:13.9/8

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

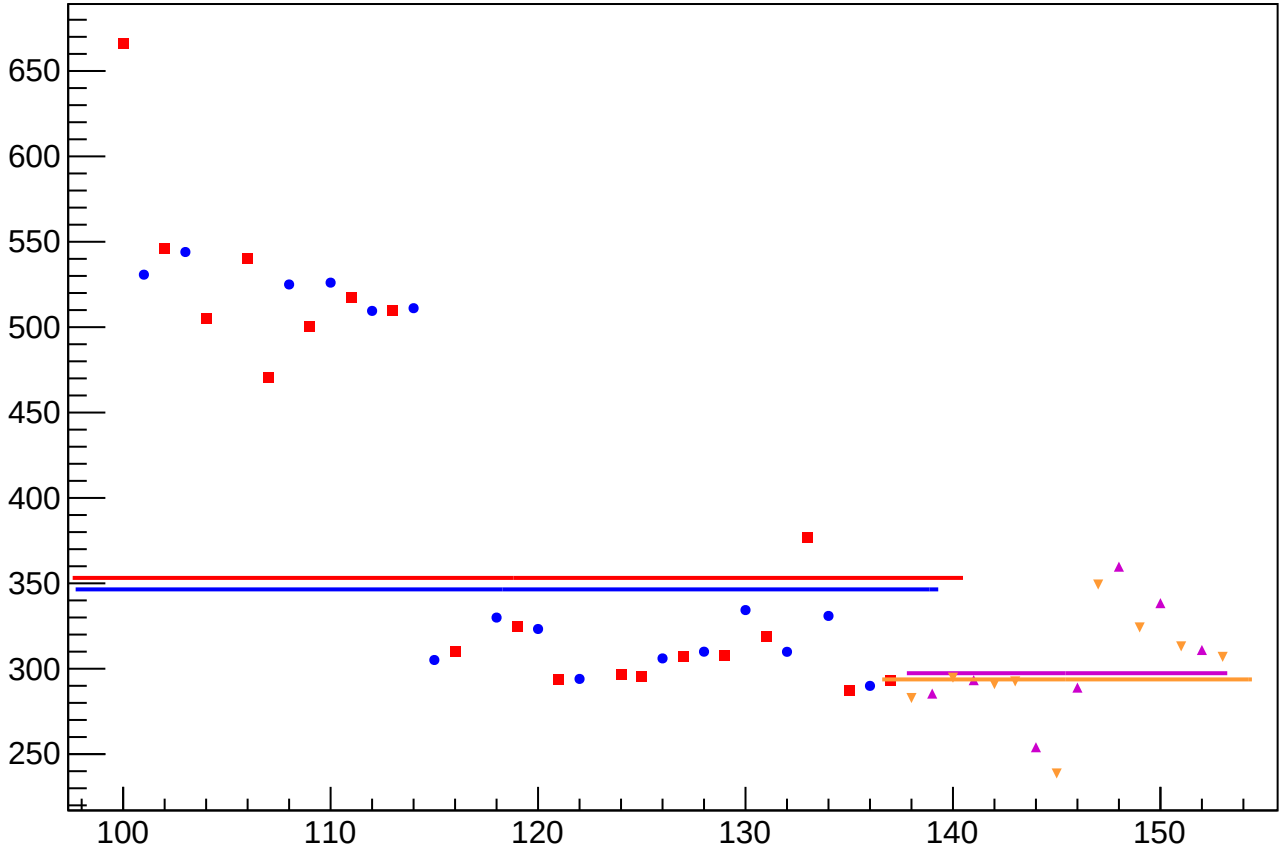
Left In: 190.659+/-121.682 χ^2/NDF:6.2/6

+ sign 130.512+/-85.355 χ^2/NDF: 27.3/24

All: 96.067+/-61.920 χ^2/NDF: 57.8/50

- sign 57.803+/-89.963 χ^2/NDF: 30.1/25

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 293.739+/-0.079 χ^2/NDF:154038.3/8

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

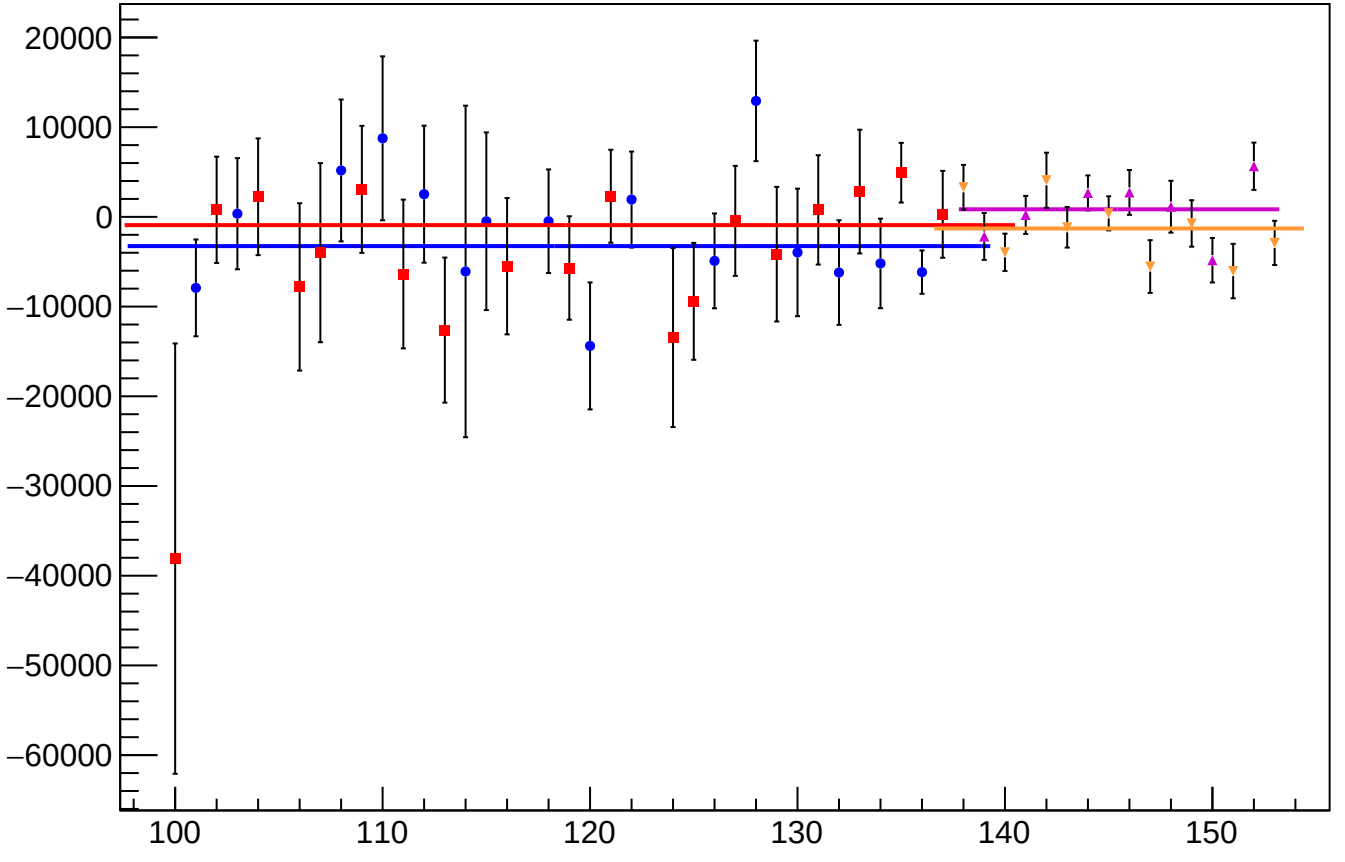
Left In: 297.374+/-0.086 χ^2/NDF:136521.3/6

+ sign 315.602+/-0.060 χ^2/NDF: 1107953.2/24

All: 318.953+/-0.044 χ^2/NDF: 2308037.6/50

- sign 322.674+/-0.064 χ^2/NDF: 1193579.9/25

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1292.992+/-814.117 χ^2/NDF:13.9/8

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

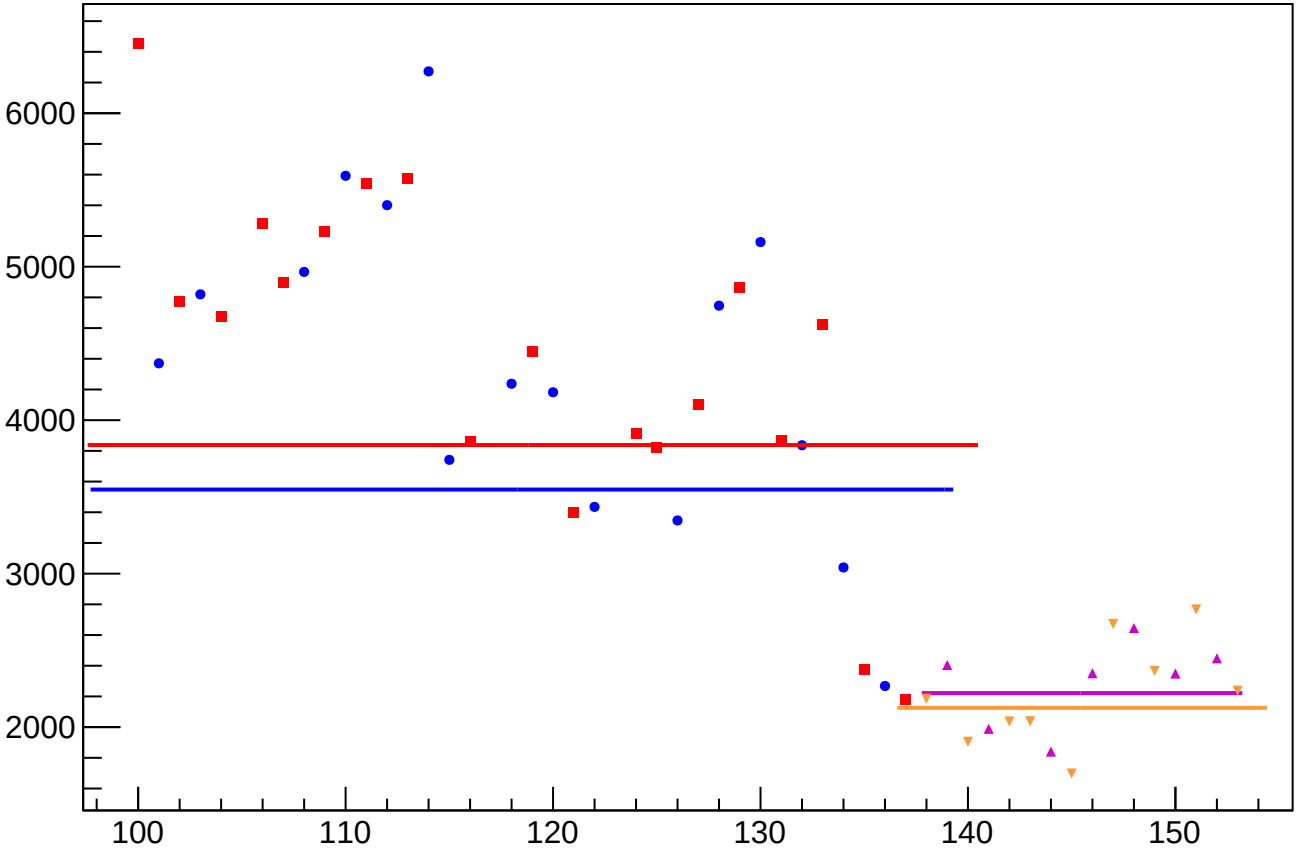
Left In: 843.646+/-906.722 χ^2/NDF:11.4/6

+ sign -1798.274+/-701.734 χ^2/NDF: 31.4/24

All: -822.829+/-518.773 χ^2/NDF: 62.8/50

- sign 352.771+/-770.372 χ^2/NDF: 27.1/25

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2125.831+/-0.576 χ^2/NDF:310081.0/8

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

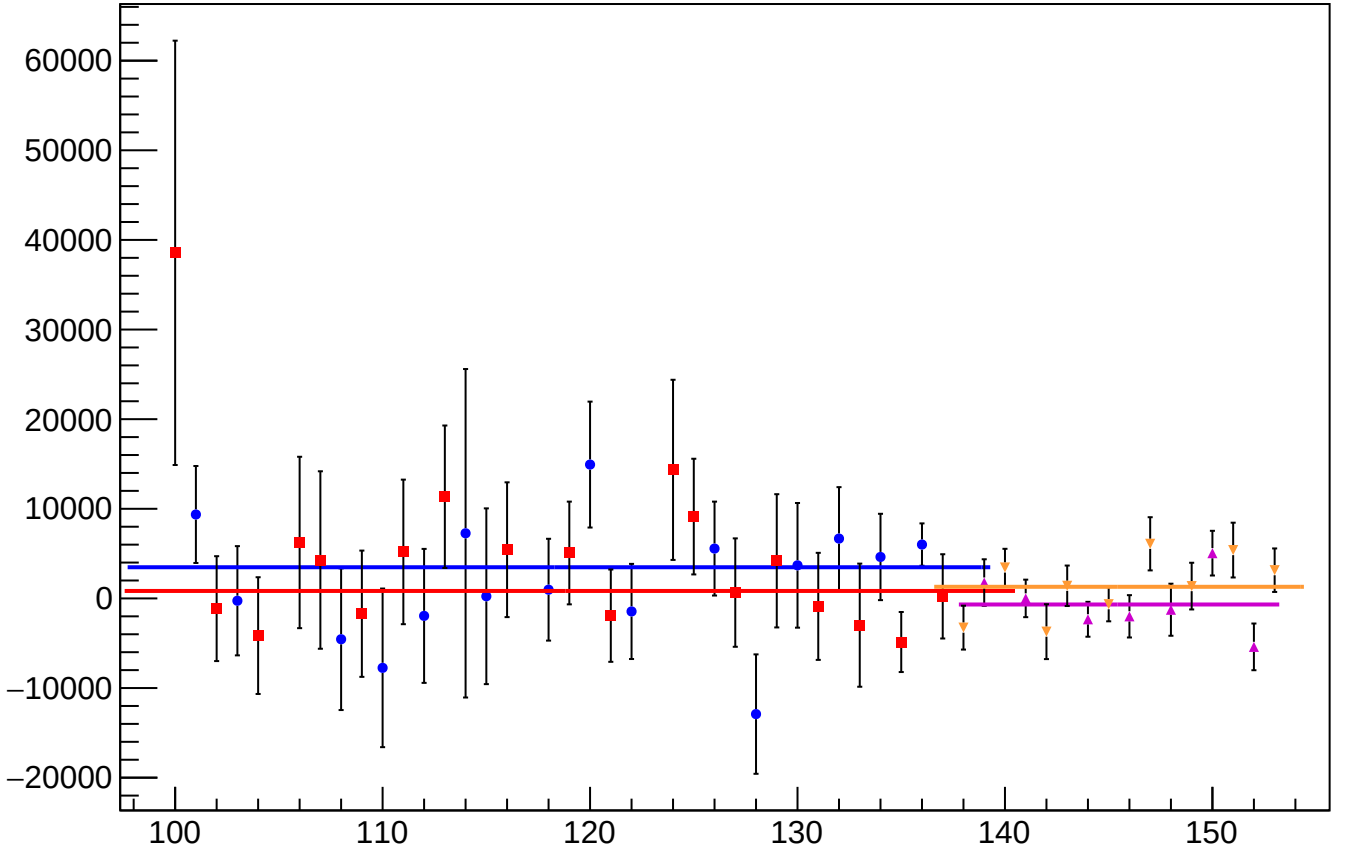
Left In: 2221.875+/-0.641 χ^2/NDF:178348.0/6

+ sign 2491.364+/-0.496 χ^2/NDF: 3137196.3/24

All: 2572.995+/-0.367 χ^2/NDF: 6298211.3/50

- sign 2671.375+/-0.545 χ^2/NDF: 3101333.8/25

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1296.362+/-813.316 χ^2/NDF:13.2/8

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

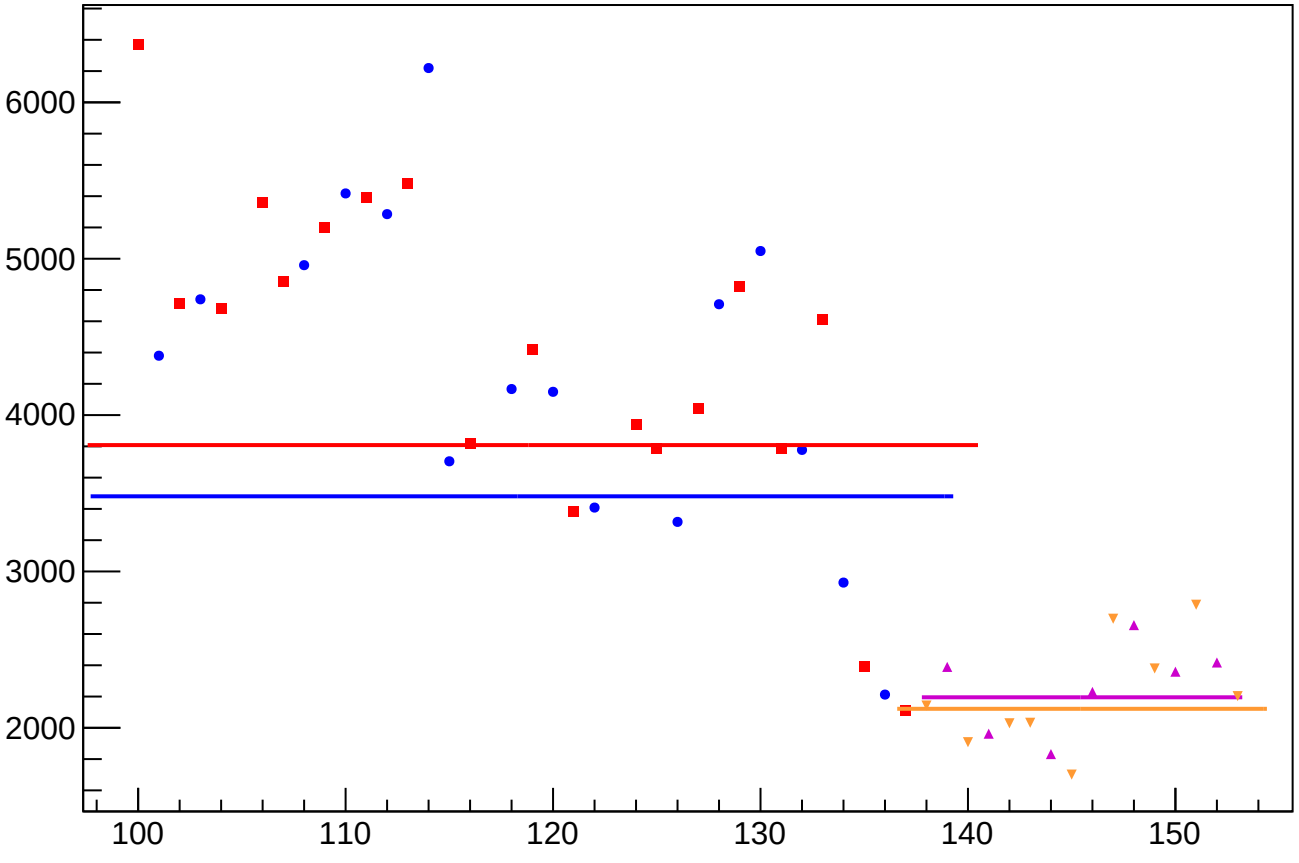
Left In: -677.224+/-895.638 χ^2/NDF:10.6/6

+ sign 1870.937+/-698.068 χ^2/NDF: 31.4/24

All: 898.465+/-514.712 χ^2/NDF: 61.1/50

- sign -260.122+/-761.944 χ^2/NDF: 25.4/25

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2121.618+/-0.575 χ^2/NDF:315291.9/8

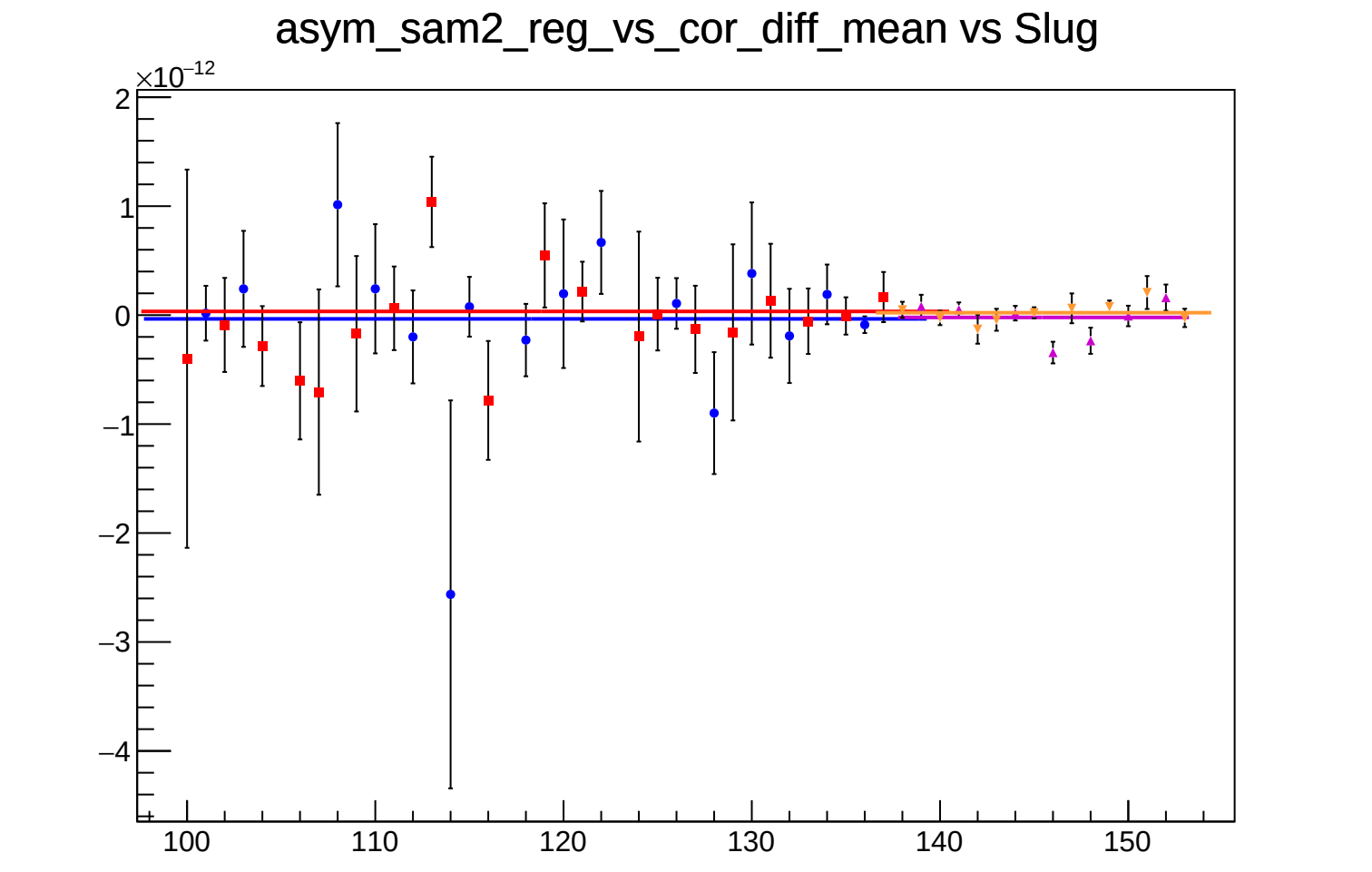
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

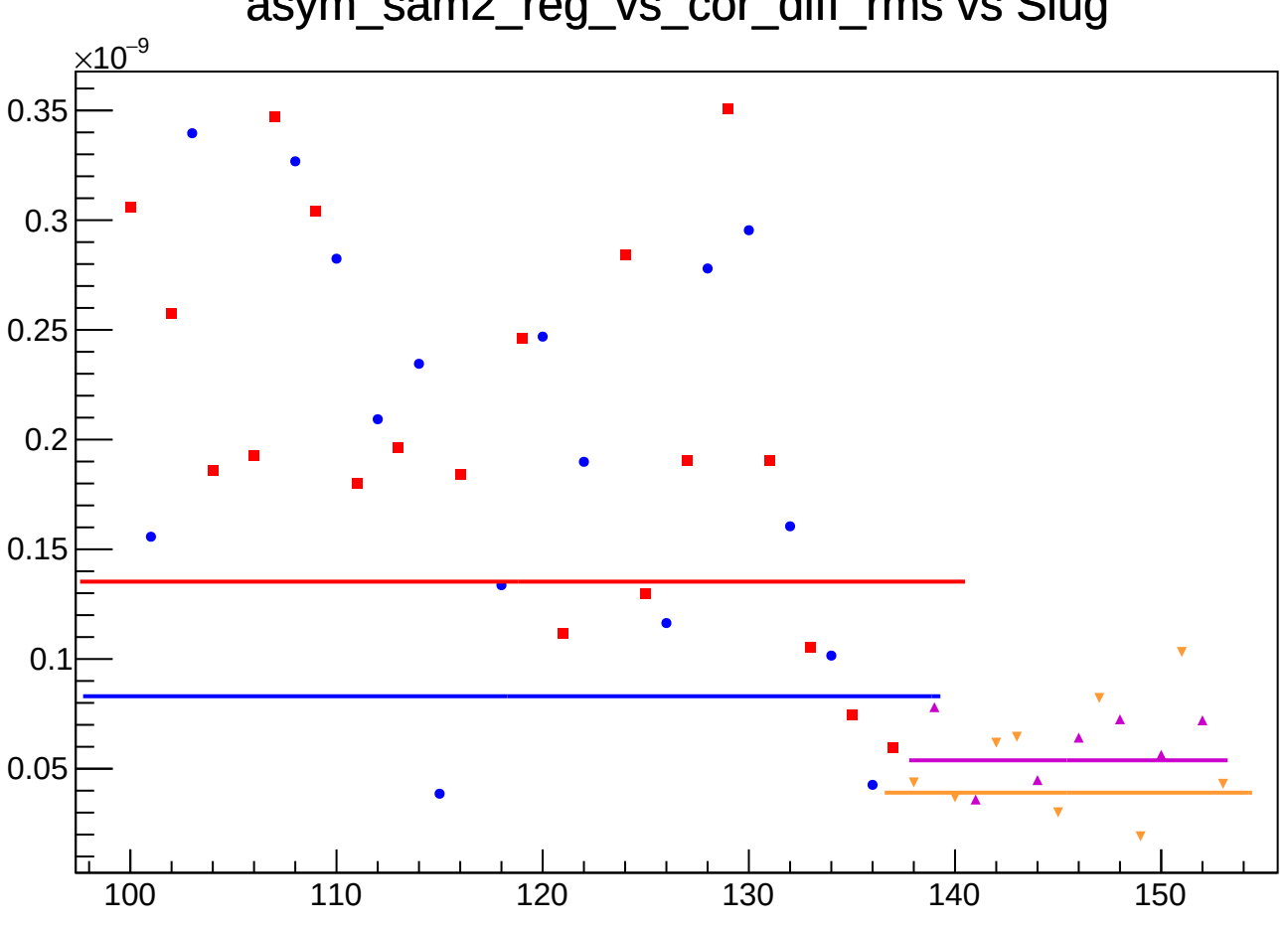
Left In: 2195.210+/-0.633 χ^2/NDF:179767.3/6

+ sign 2479.460+/-0.494 χ^2/NDF: 3082222.5/24

All: 2553.087+/-0.364 χ^2/NDF: 6250247.6/50

- sign 2640.804+/-0.539 χ^2/NDF: 3119269.7/25


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:5.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:18.4/6
+ sign 0.000+/-0.000 χ²/NDF: 18.0/24
All: 0.000+/-0.000 χ²/NDF: 50.8/50
- sign -0.000+/-0.000 χ²/NDF: 32.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1075846.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

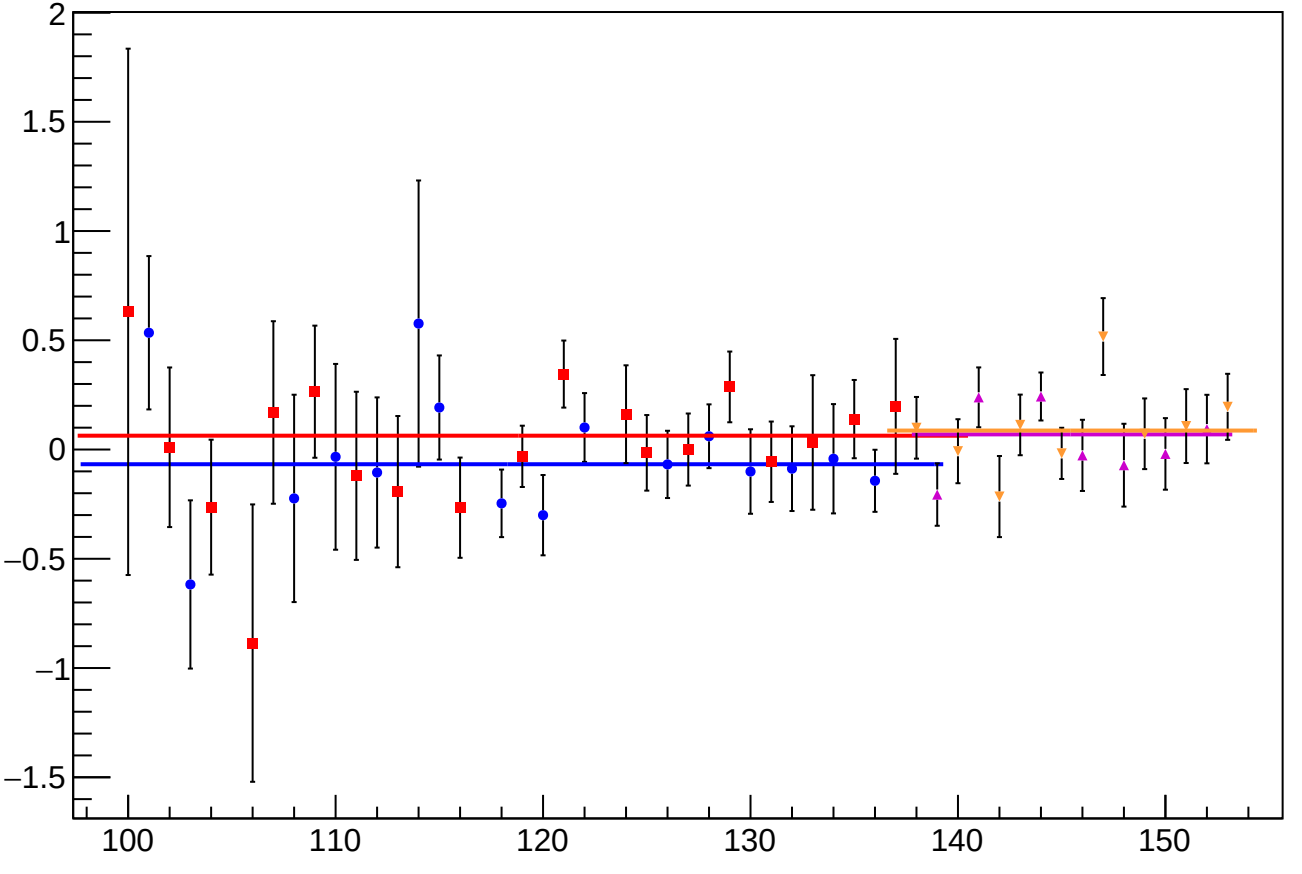
Left In: 0.000+/-0.000 χ^2/NDF:400012.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 4669260.4/24

All: 0.000+/-0.000 χ^2/NDF: 8537184.3/50

- sign 0.000+/-0.000 χ^2/NDF: 3394725.1/25

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.087+/-0.050 χ^2/NDF:10.4/8

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

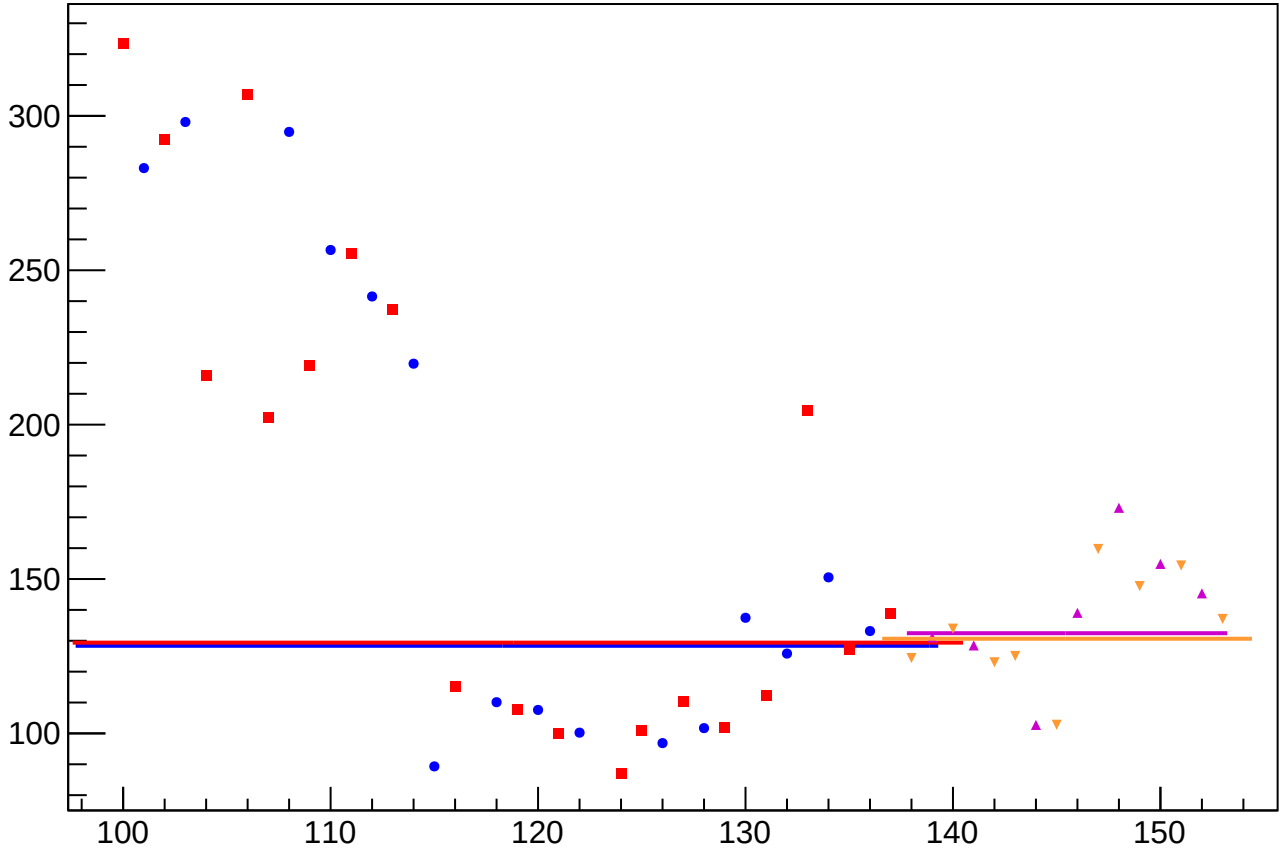
Left In: 0.069+/-0.055 χ^2/NDF:9.0/6

+ sign 0.012+/-0.036 χ^2/NDF: 27.5/24

All: 0.038+/-0.026 χ^2/NDF: 51.5/50

- sign 0.066+/-0.038 χ^2/NDF: 23.0/25

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 130.660+/-0.035 χ^2/NDF:244478.7/8

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

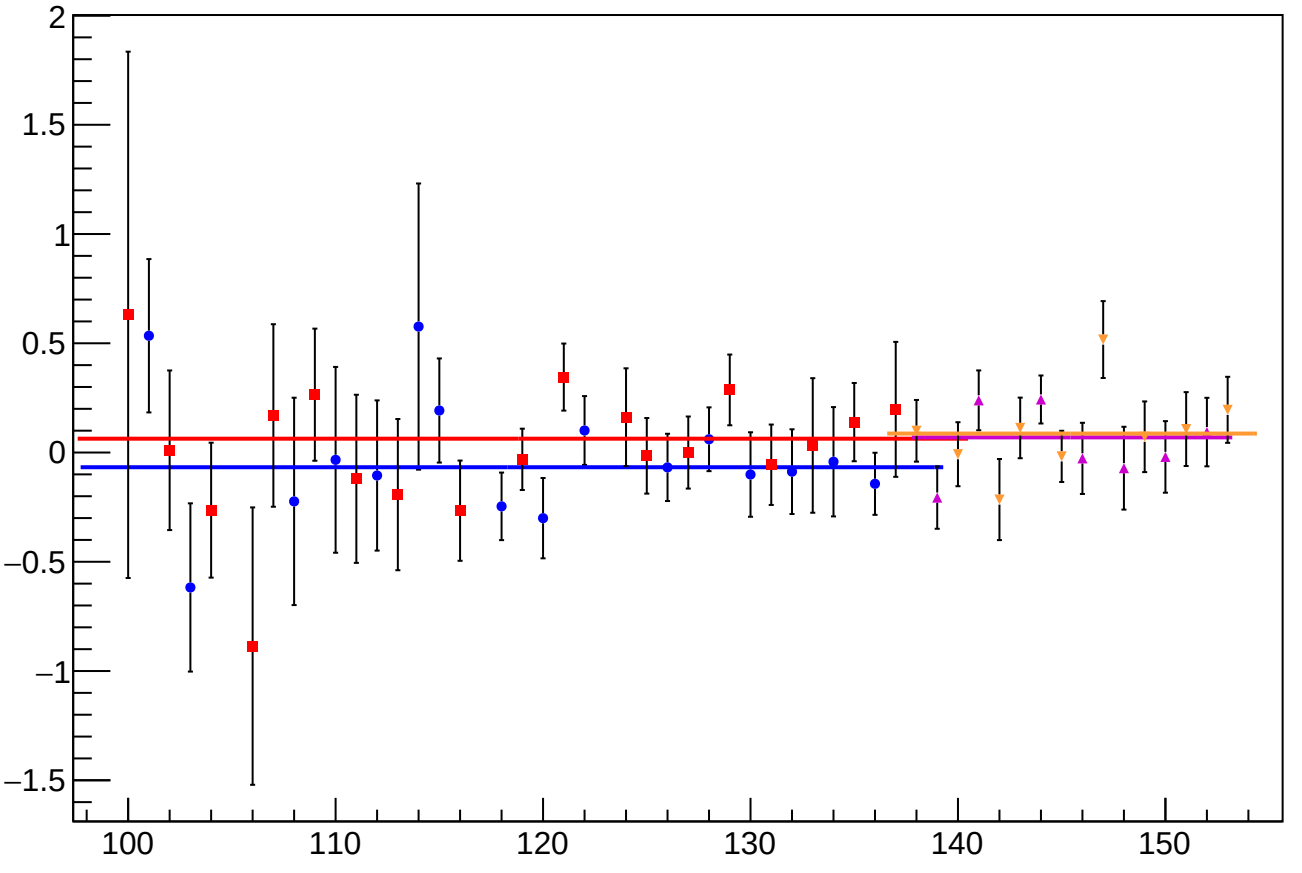
Left In: 132.453+/-0.039 χ^2/NDF:294489.3/6

+ sign 129.559+/-0.025 χ^2/NDF: 2051564.6/24

All: 130.163+/-0.018 χ^2/NDF: 4238775.9/50

- sign 130.825+/-0.027 χ^2/NDF: 2186030.4/25

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.087+/-0.050 χ^2/NDF:10.4/8

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

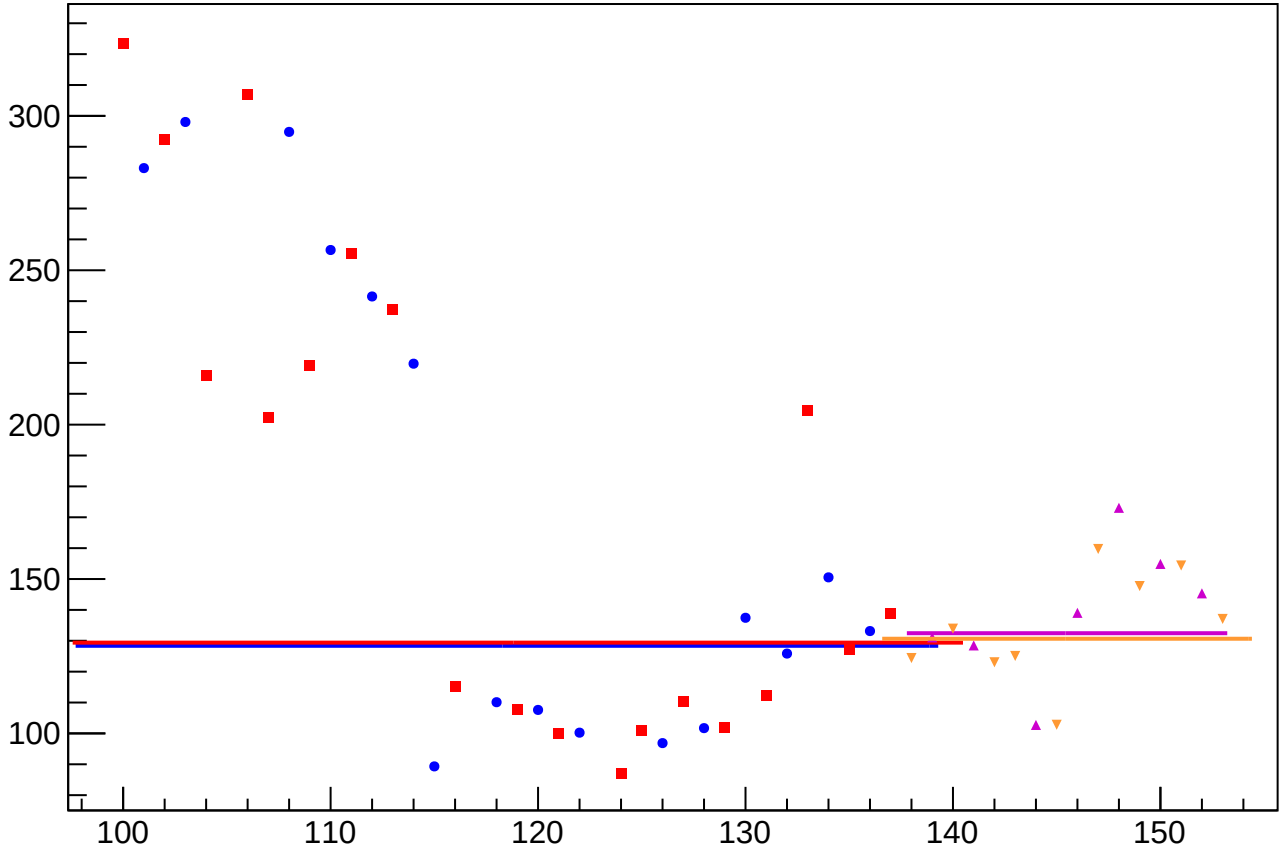
Left In: 0.069+/-0.055 χ^2/NDF:9.0/6

+ sign 0.012+/-0.036 χ^2/NDF: 27.5/24

All: 0.038+/-0.026 χ^2/NDF: 51.5/50

- sign 0.066+/-0.038 χ^2/NDF: 23.0/25

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 130.660+/-0.035 χ^2/NDF:244478.7/8

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

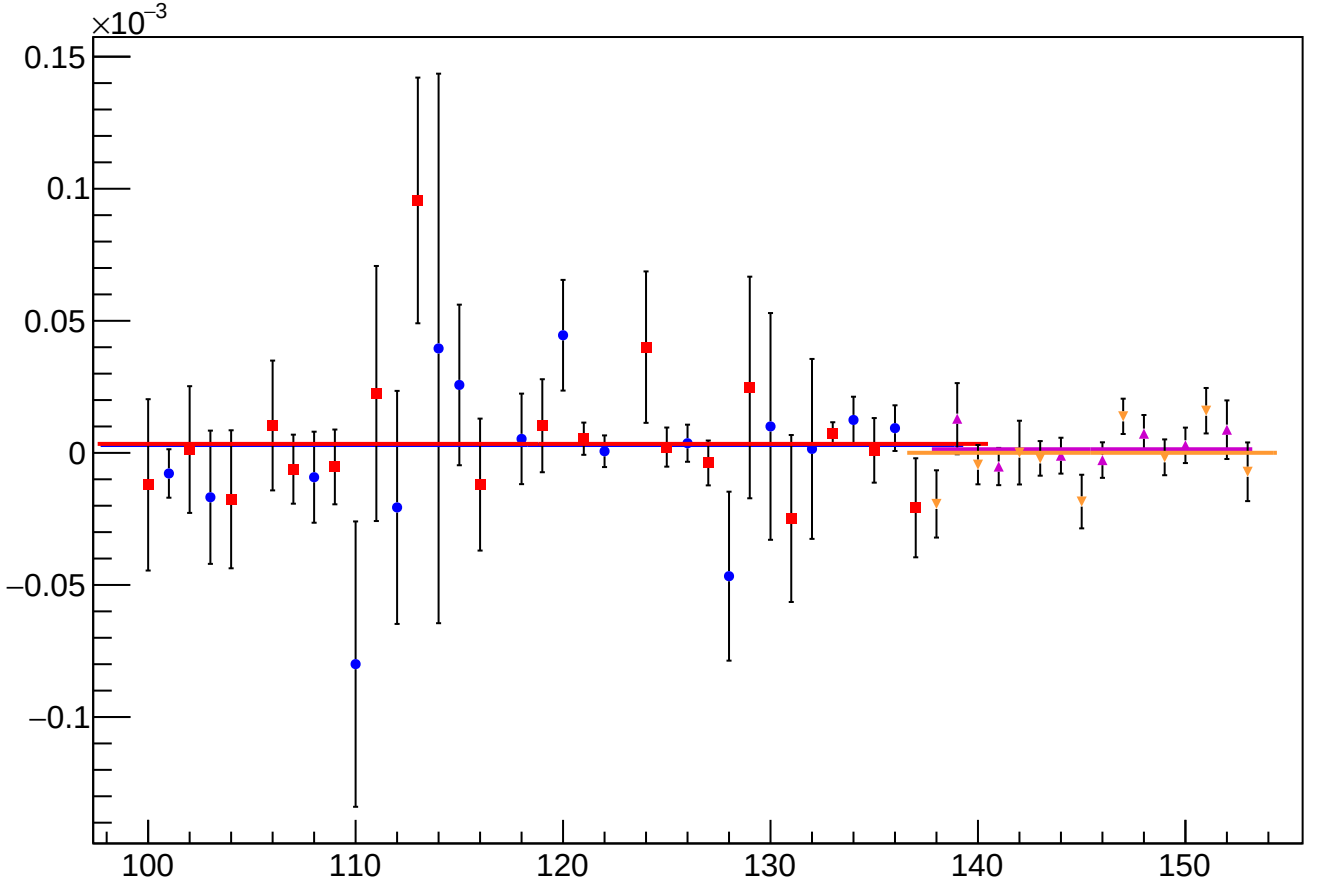
Left In: 132.453+/-0.039 χ^2/NDF:294489.3/6

+ sign 129.559+/-0.025 χ^2/NDF: 2051564.6/24

All: 130.163+/-0.018 χ^2/NDF: 4238775.9/50

- sign 130.825+/-0.027 χ^2/NDF: 2186030.4/25

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

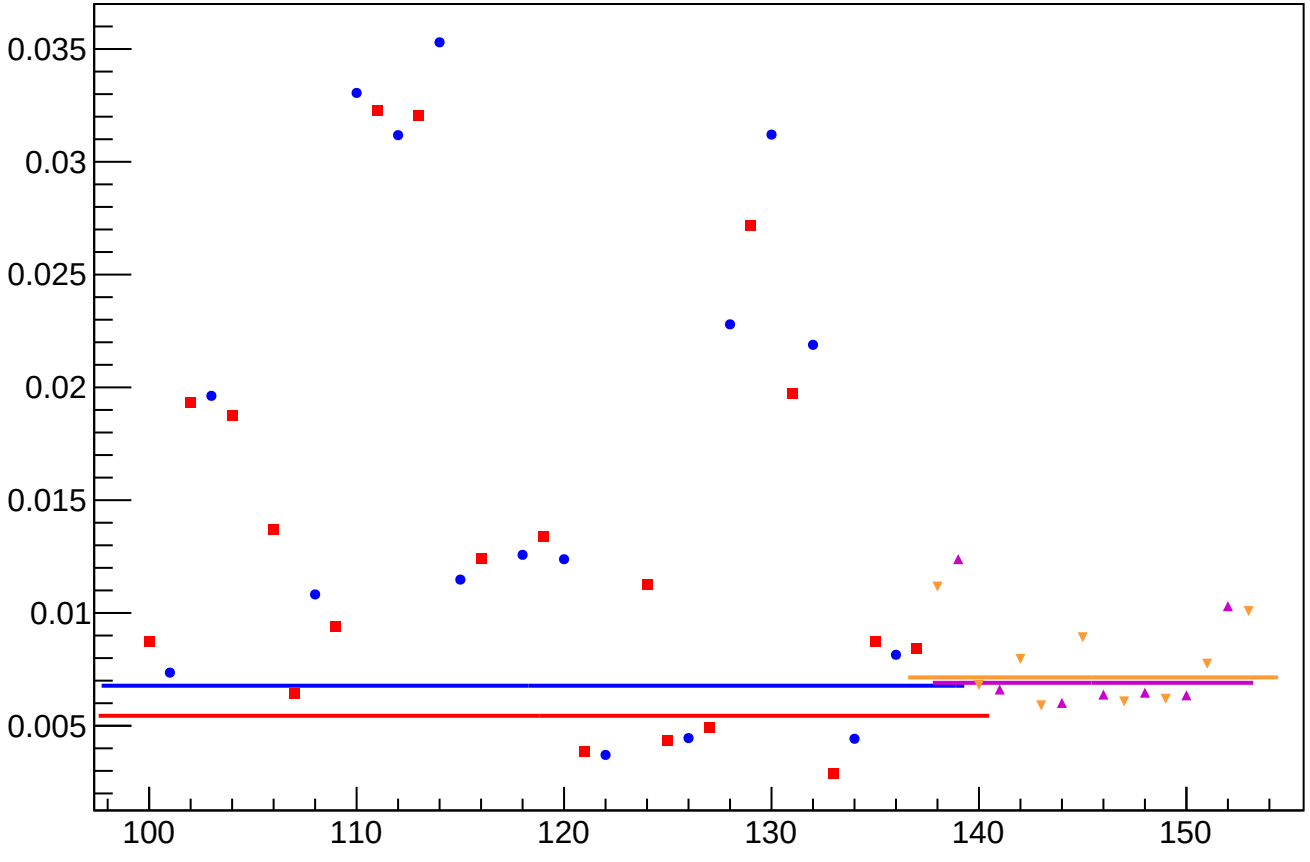
Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/24

All: 0.000+/-0.000 χ^2/NDF: 45.2/50

- sign 0.000+/-0.000 χ^2/NDF: 16.2/25

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:586261.8/8

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

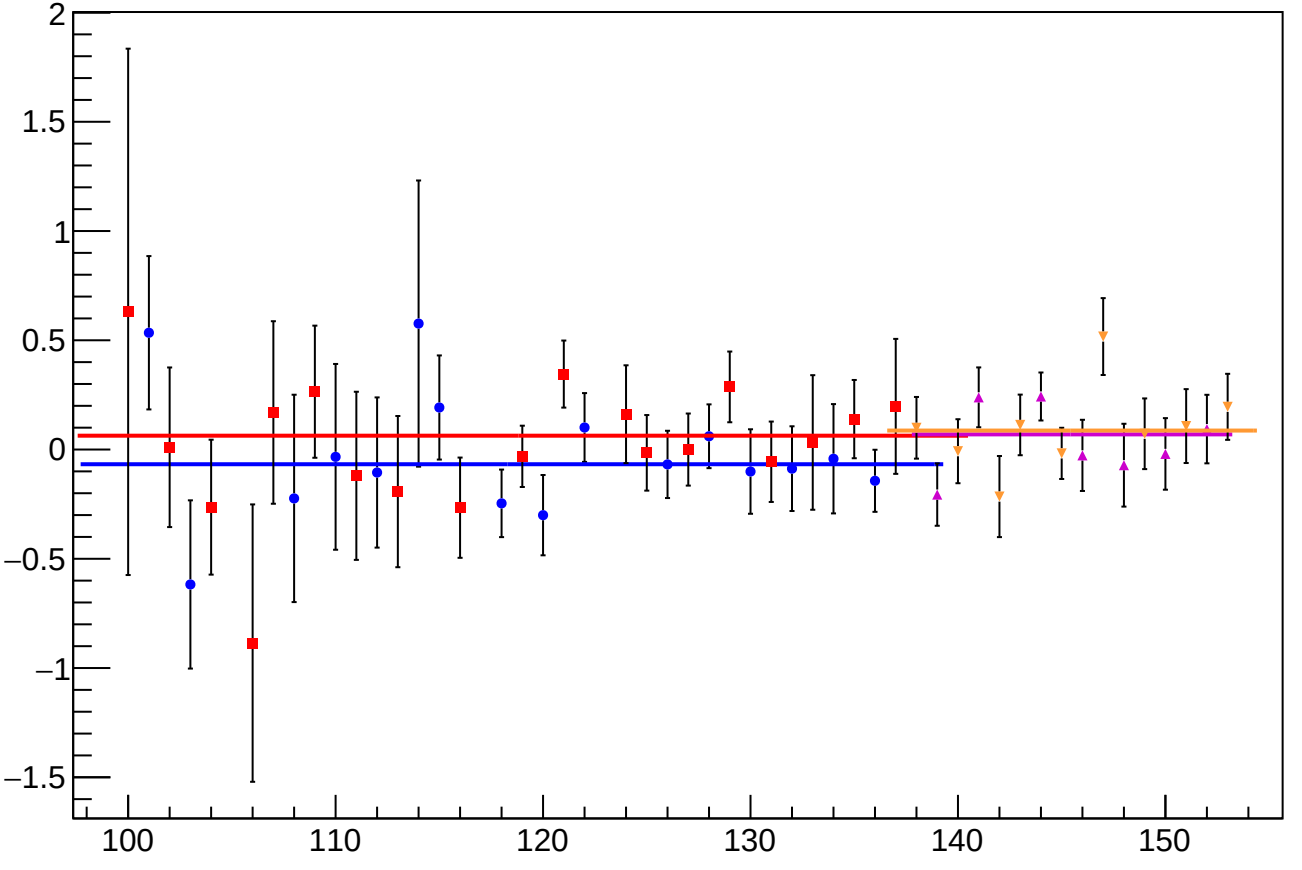
Left In: 0.007+/-0.000 χ^2/NDF:590232.9/6

+ sign 0.007+/-0.000 χ^2/NDF: 5374034.6/24

All: 0.007+/-0.000 χ^2/NDF: 12015399.1/50

- sign 0.006+/-0.000 χ^2/NDF: 6445785.4/25

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.087+/-0.050 χ^2/NDF:10.4/8

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

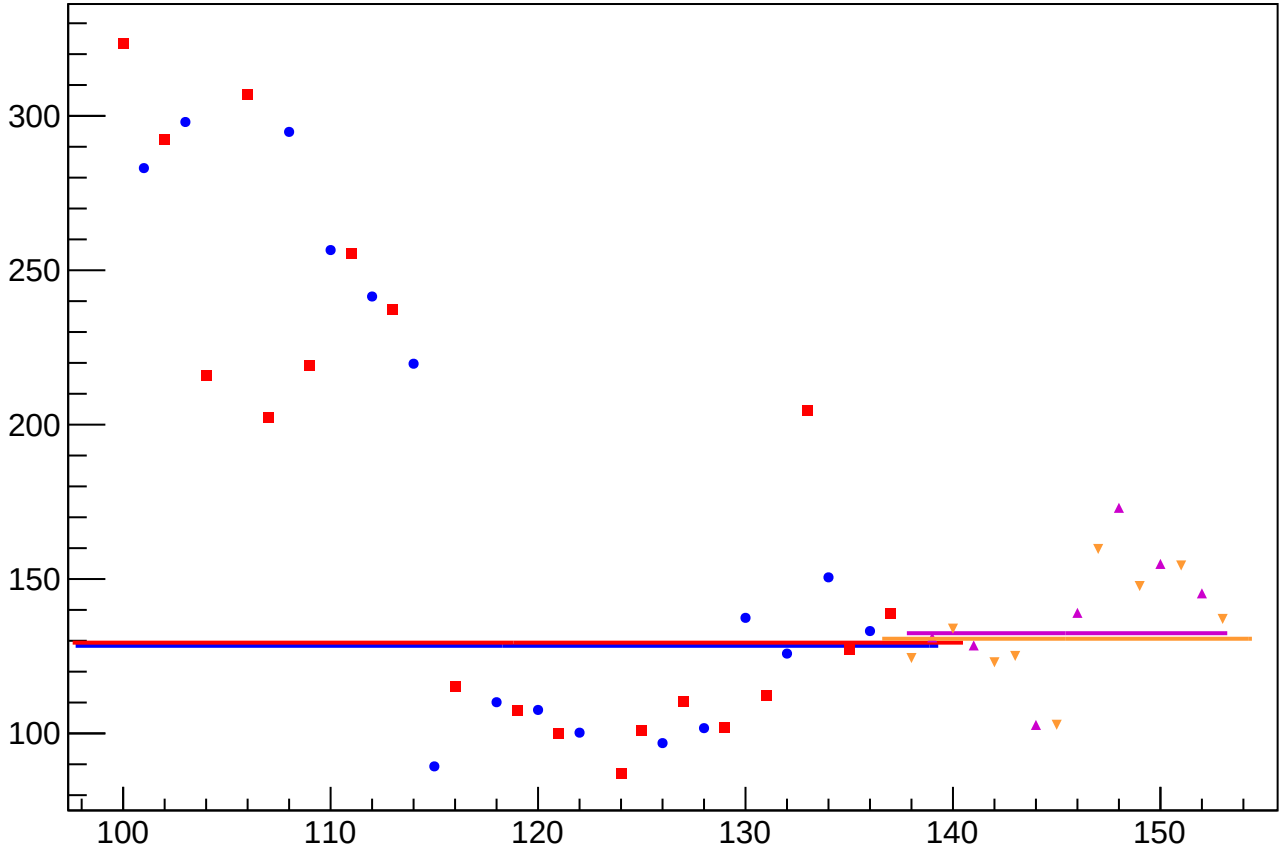
Left In: 0.069+/-0.055 χ^2/NDF:9.0/6

+ sign 0.012+/-0.036 χ^2/NDF: 27.5/24

All: 0.038+/-0.026 χ^2/NDF: 51.5/50

- sign 0.066+/-0.038 χ^2/NDF: 23.0/25

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.660+/-0.035 χ^2/NDF:244497.6/8

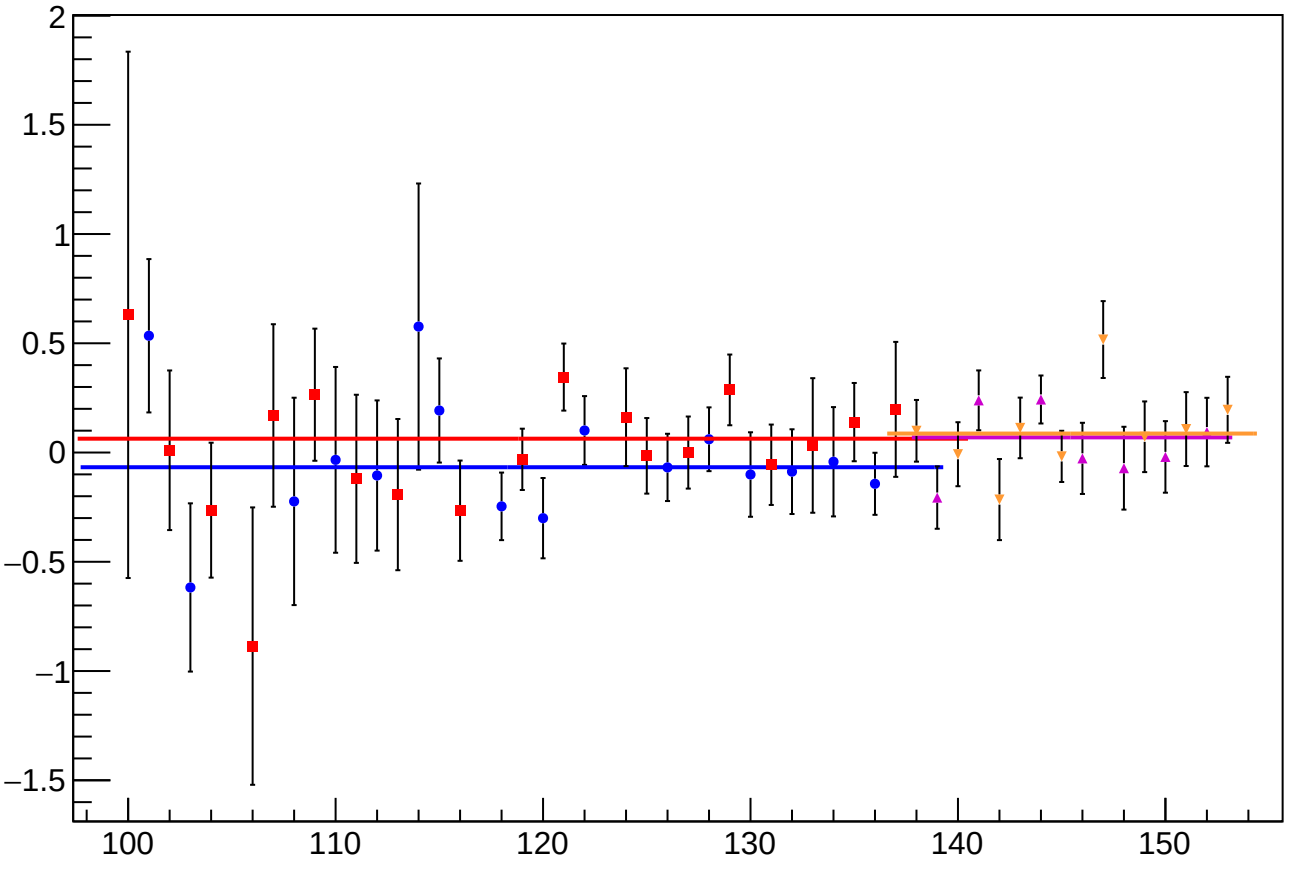
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 132.453+/-0.039 χ^2/NDF:294491.8/6

+ sign 129.558+/-0.025 χ^2/NDF: 2051537.1/24

All: 130.161+/-0.018 χ^2/NDF: 4238758.8/50

- sign 130.824+/-0.027 χ^2/NDF: 2186041.3/25



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.087+/-0.050 χ^2/NDF:10.4/8

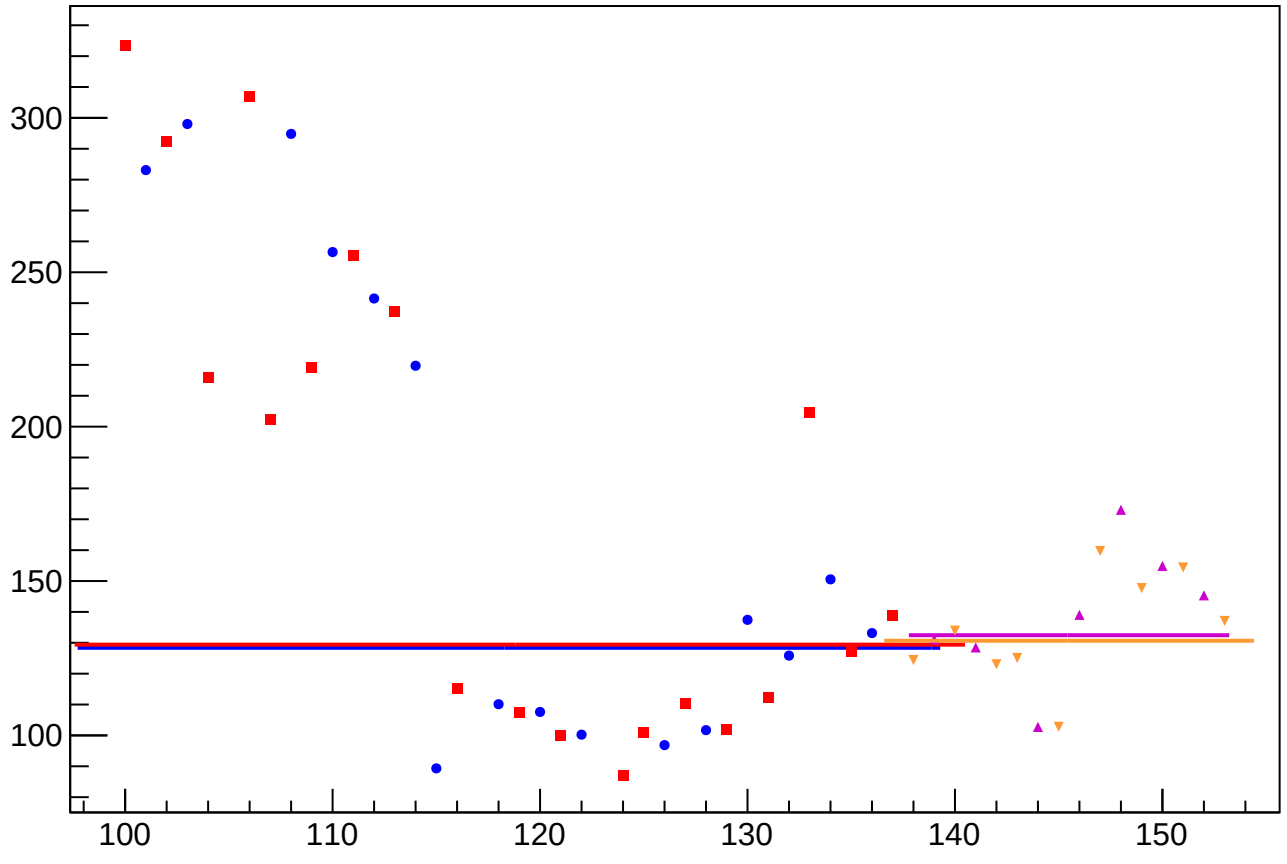
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.069+/-0.055 χ^2/NDF:9.0/6

+ sign 0.012+/-0.036 χ^2/NDF: 27.5/24

All: 0.038+/-0.026 χ^2/NDF: 51.5/50

- sign 0.066+/-0.038 χ^2/NDF: 23.0/25



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.660+/-0.035 χ^2/NDF:244497.6/8

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

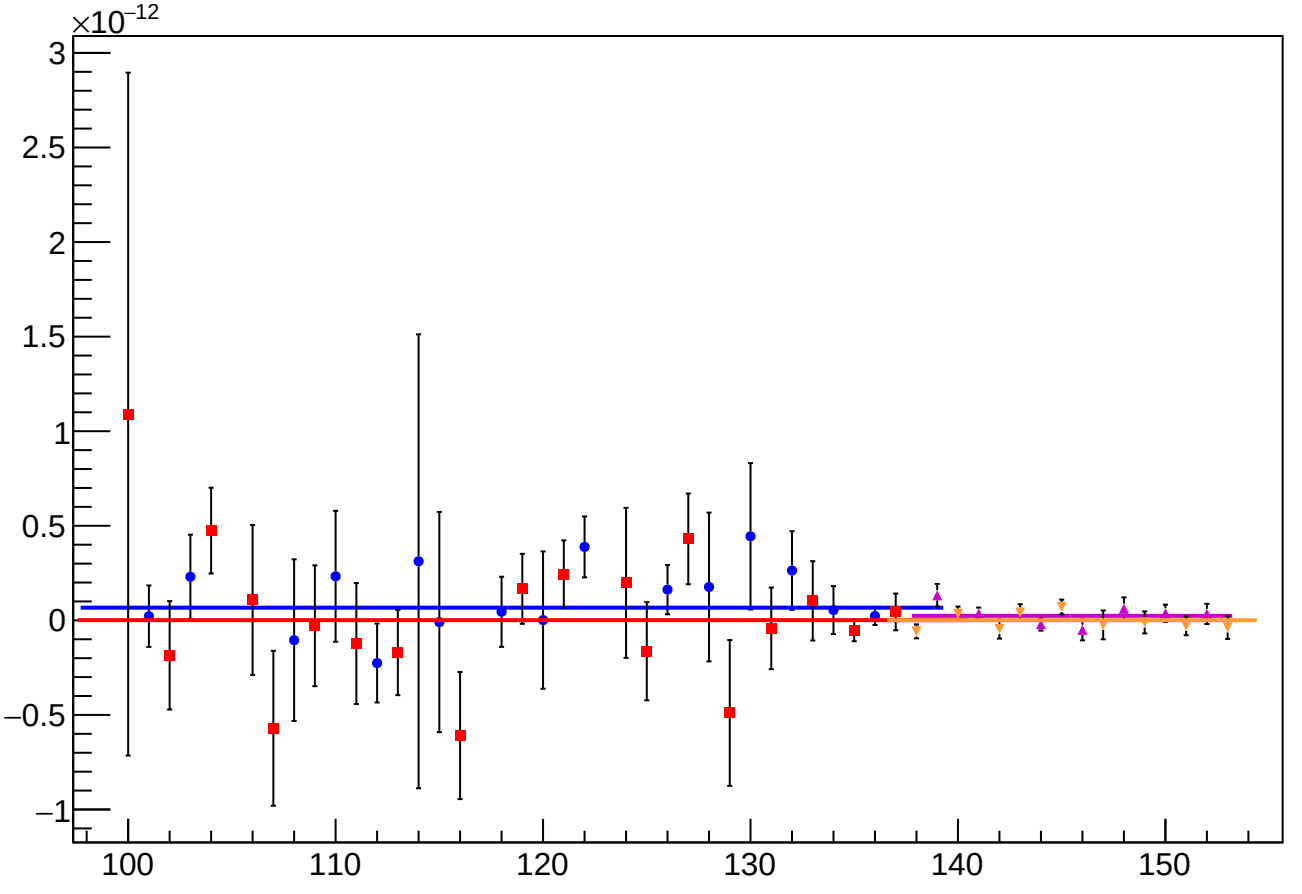
Left In: 132.453+/-0.039 χ^2/NDF:294491.8/6

+ sign 129.558+/-0.025 χ^2/NDF: 2051537.1/24

All: 130.161+/-0.018 χ^2/NDF: 4238758.8/50

- sign 130.824+/-0.027 χ^2/NDF: 2186041.3/25

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/8

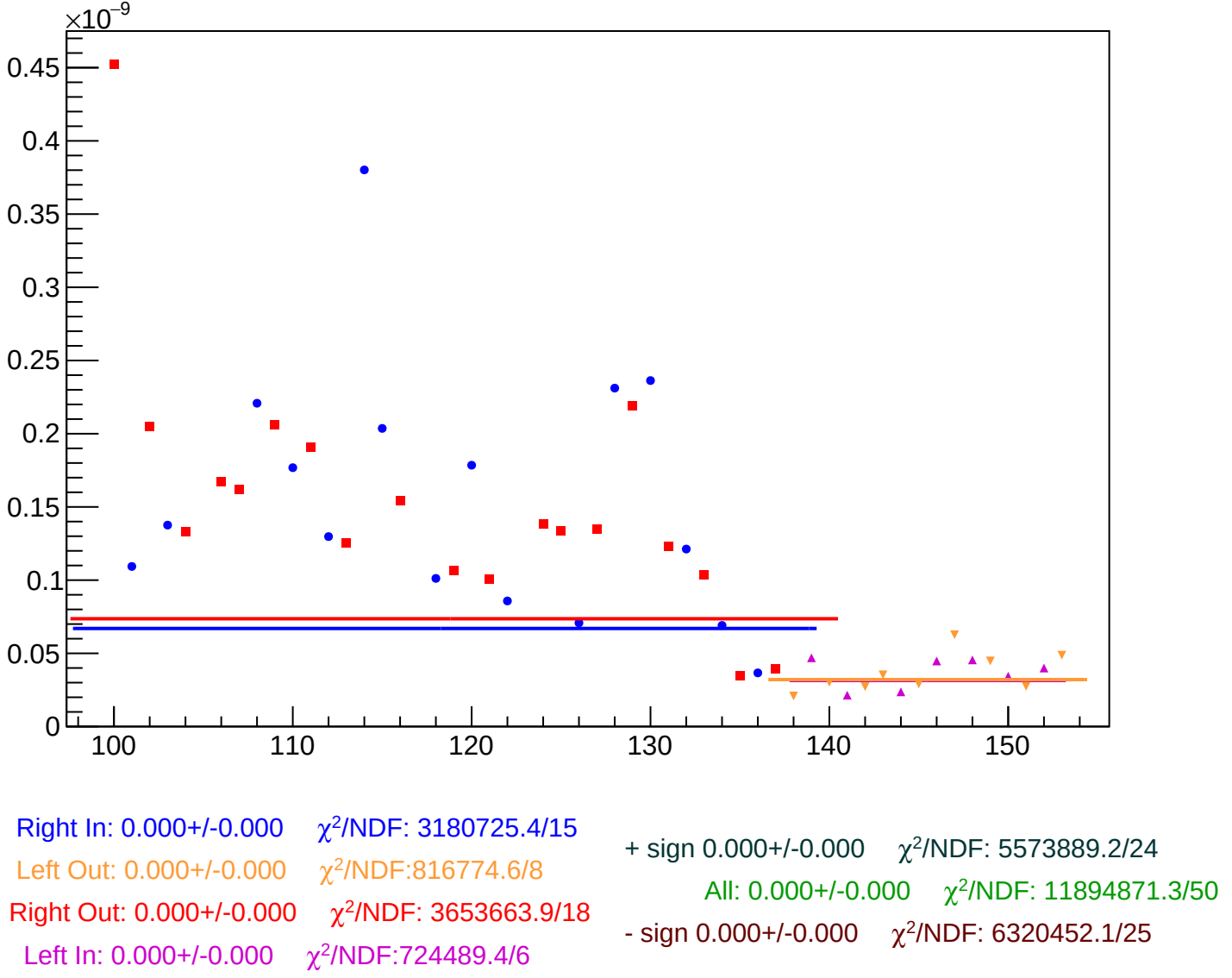
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/6

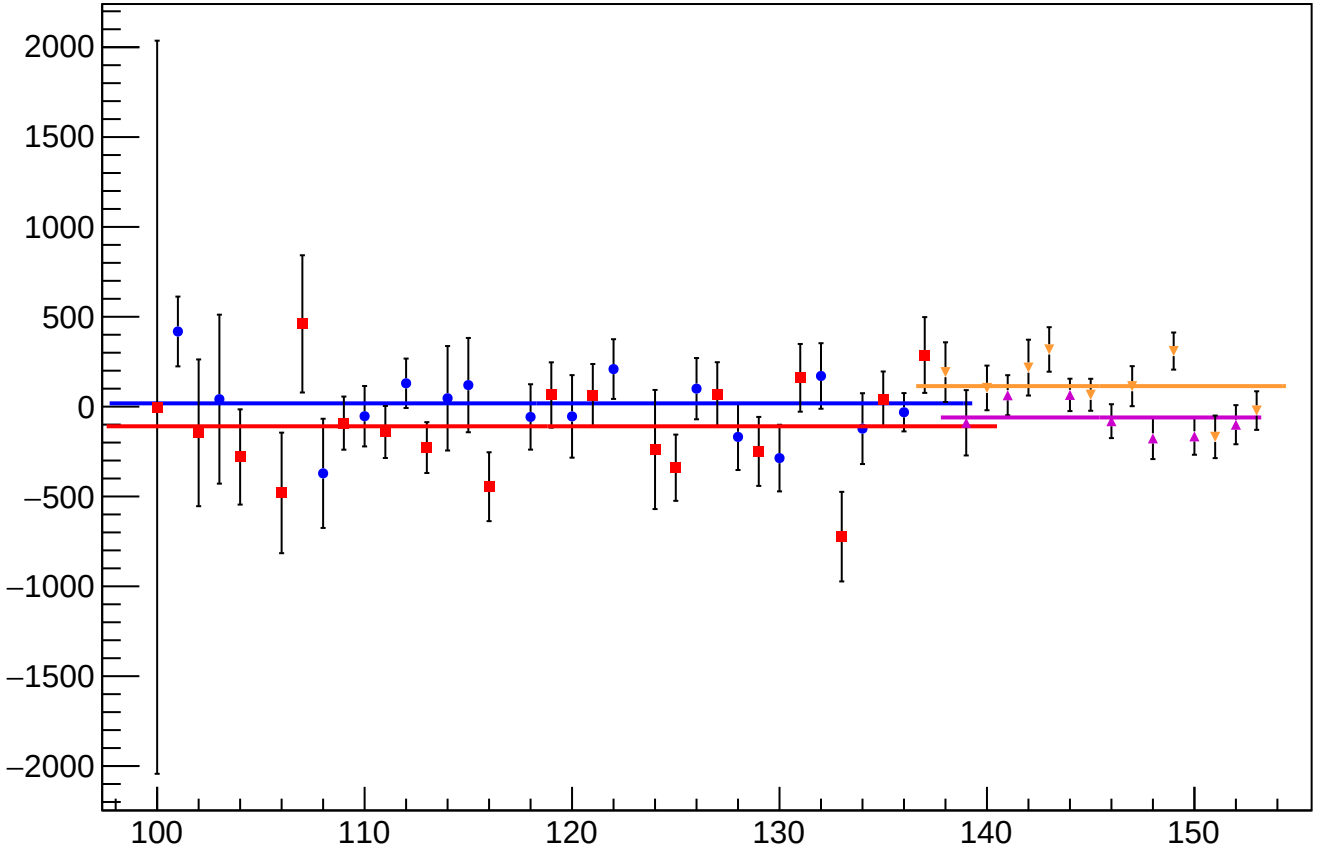
+ sign 0.000+/-0.000 χ^2/NDF: 22.4/24

All: 0.000+/-0.000 χ^2/NDF: 51.0/50

- sign 0.000+/-0.000 χ^2/NDF: 28.4/25


asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3180725.4/15
Left Out: 0.000+/-0.000 χ²/NDF:816774.6/8
Right Out: 0.000+/-0.000 χ²/NDF: 3653663.9/18
Left In: 0.000+/-0.000 χ²/NDF:724489.4/6
+ sign 0.000+/-0.000 χ²/NDF: 5573889.2/24
All: 0.000+/-0.000 χ²/NDF: 11894871.3/50
- sign 0.000+/-0.000 χ²/NDF: 6320452.1/25

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 114.116+/-38.735 χ^2/NDF:14.5/8

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

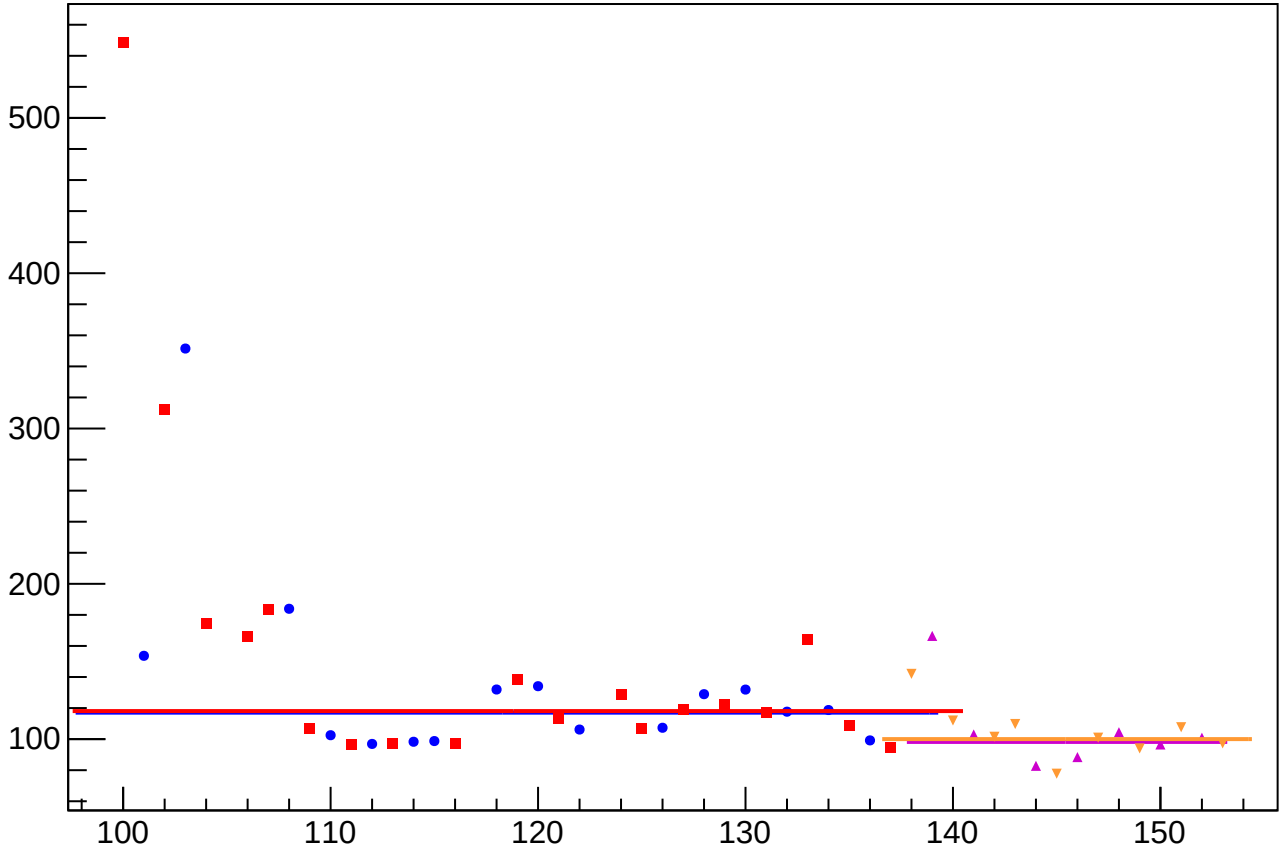
Left In: -60.284+/-40.764 χ^2/NDF:5.5/6

+ sign 74.022+/-29.550 χ^2/NDF: 31.0/24

All: -1.629+/-21.208 χ^2/NDF: 76.1/50

- sign -81.996+/-30.457 χ^2/NDF: 31.6/25

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.017+/-0.027 χ^2/NDF:300927.1/8

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

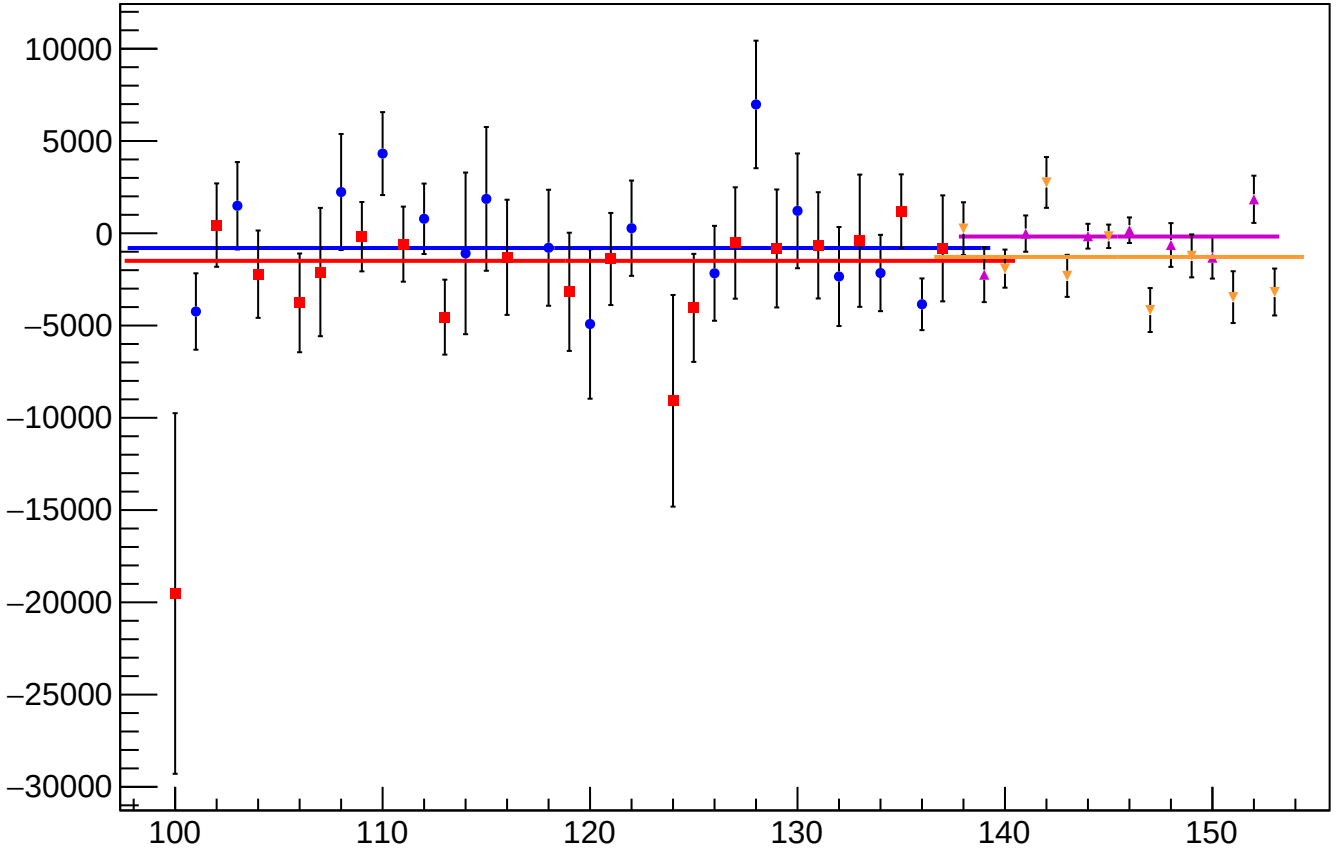
Left In: 98.202+/-0.029 χ^2/NDF:373292.9/6

+ sign 107.142+/-0.021 χ^2/NDF: 1321233.5/24

All: 107.060+/-0.015 χ^2/NDF: 2894913.5/50

- sign 106.973+/-0.022 χ^2/NDF: 1573648.3/25

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1282.356+/-358.639 χ^2/NDF:24.5/8

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

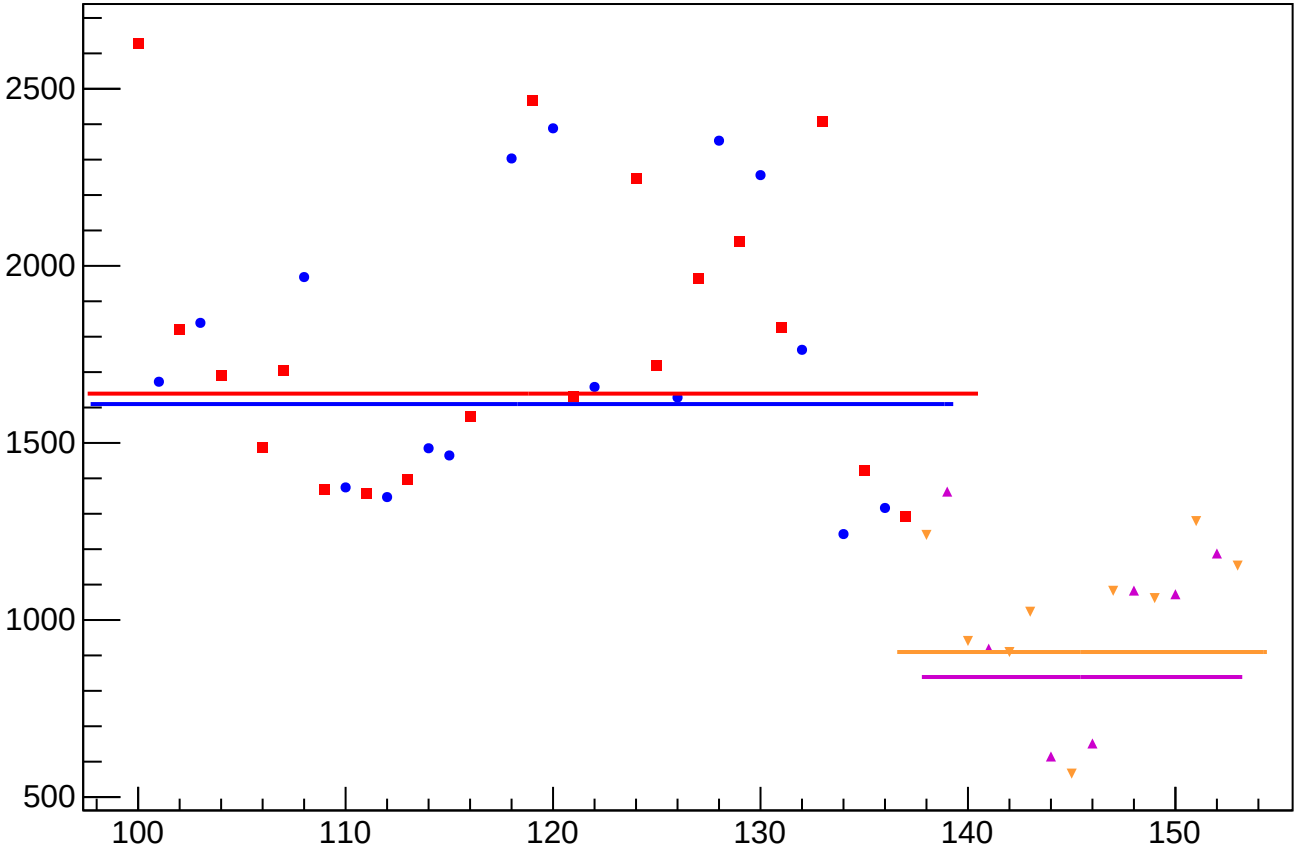
Left In: -177.085+/-356.136 χ^2/NDF:5.9/6

+ sign -1160.029+/-309.938 χ^2/NDF: 48.4/24

All: -832.575+/-218.453 χ^2/NDF: 72.8/50

- sign -509.307+/-307.951 χ^2/NDF: 22.2/25

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 909.660+/-0.254 χ^2/NDF:1002113.7/8

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

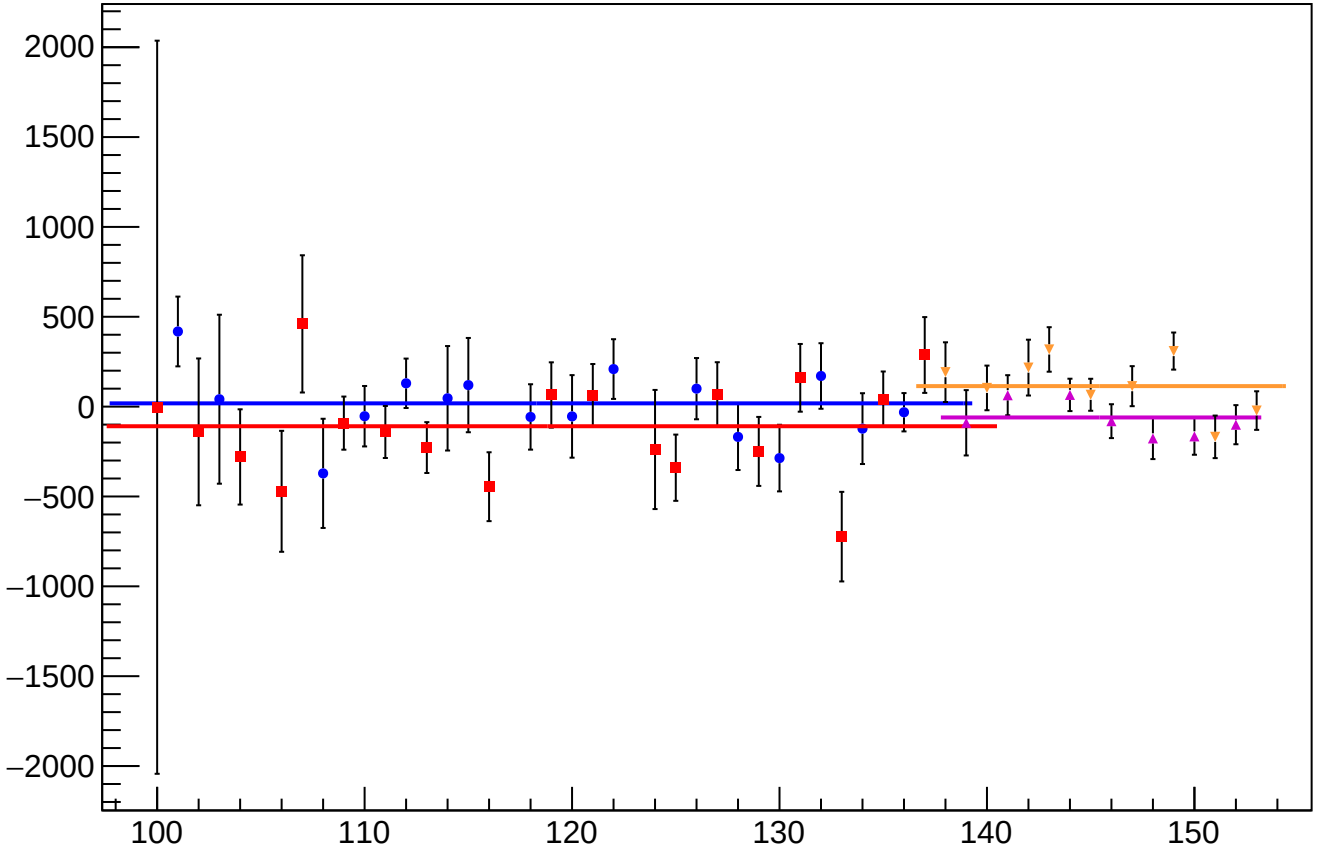
Left In: 839.061+/-0.252 χ^2/NDF:949603.1/6

+ sign 1086.895+/-0.219 χ^2/NDF: 3550708.7/24

All: 1063.770+/-0.154 χ^2/NDF: 7589911.5/50

- sign 1040.941+/-0.218 χ^2/NDF: 4017077.8/25

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 114.125+/-38.735 χ^2/NDF:14.5/8

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

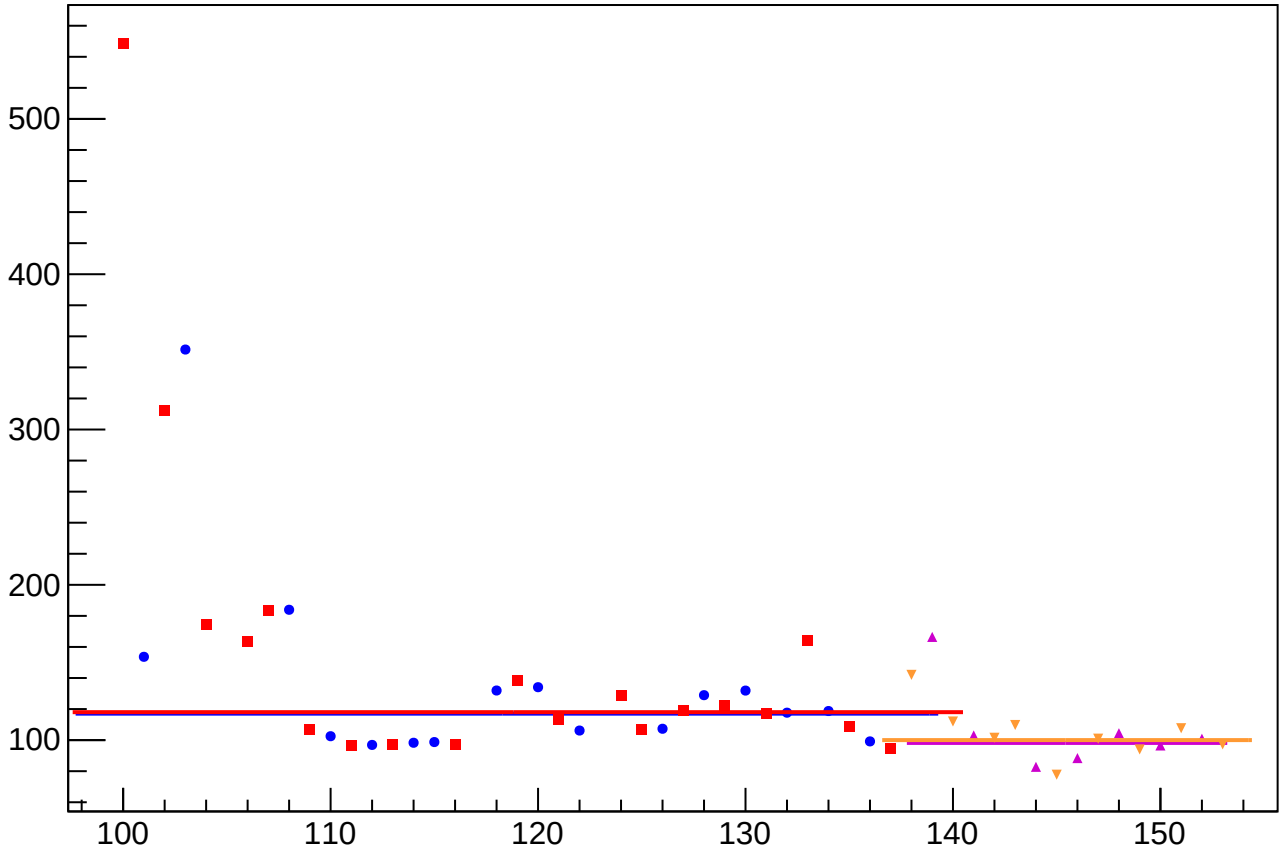
Left In: -60.289+/-40.764 χ^2/NDF:5.5/6

+ sign 74.022+/-29.550 χ^2/NDF: 31.0/24

All: -1.567+/-21.209 χ^2/NDF: 76.0/50

- sign -81.872+/-30.458 χ^2/NDF: 31.5/25

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.017+/-0.027 χ^2/NDF:300927.1/8

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

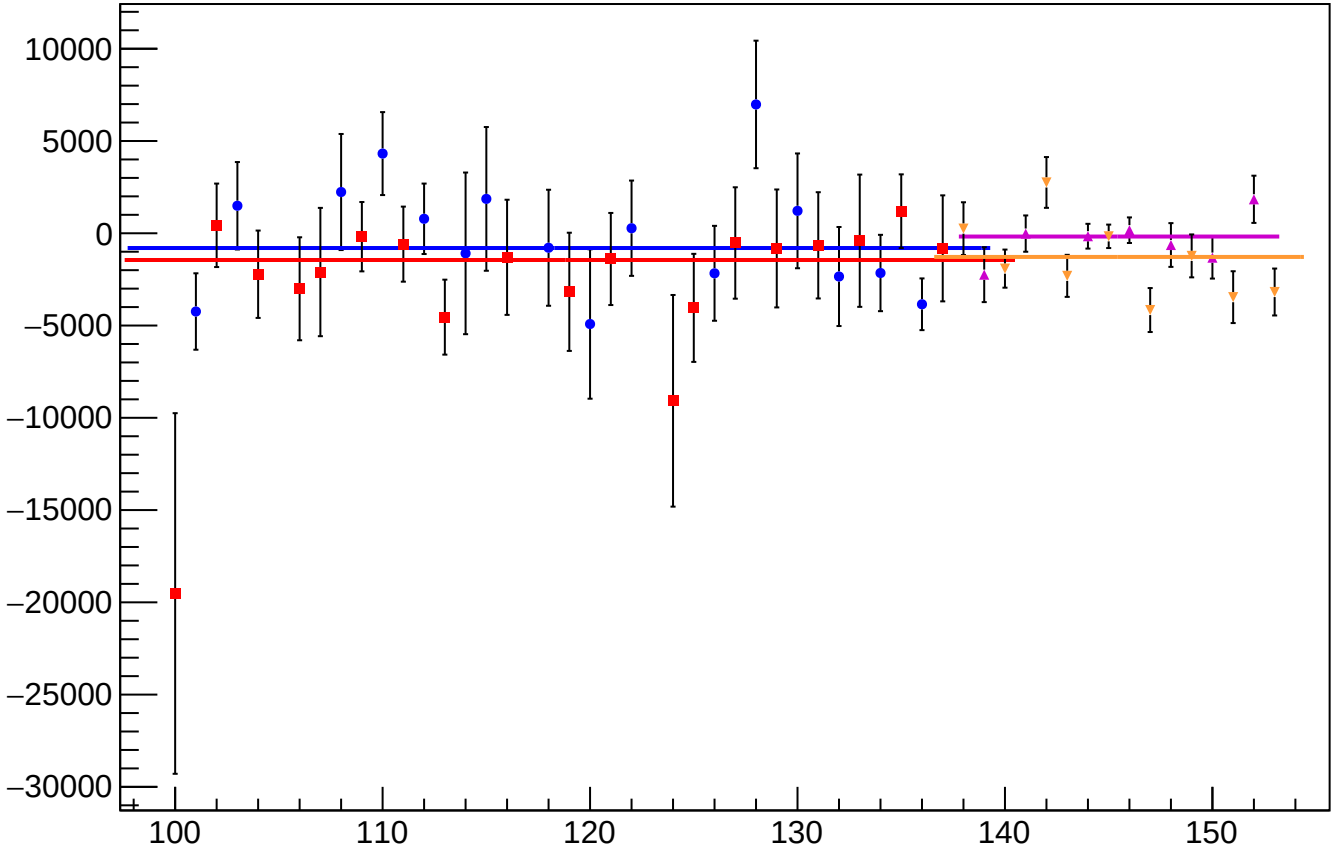
Left In: 98.202+/-0.029 χ^2/NDF:373292.9/6

+ sign 107.142+/-0.021 χ^2/NDF: 1321235.4/24

All: 107.049+/-0.015 χ^2/NDF: 2889623.4/50

- sign 106.950+/-0.022 χ^2/NDF: 1568346.9/25

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1282.349+/-358.639 χ^2/NDF:24.5/8

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

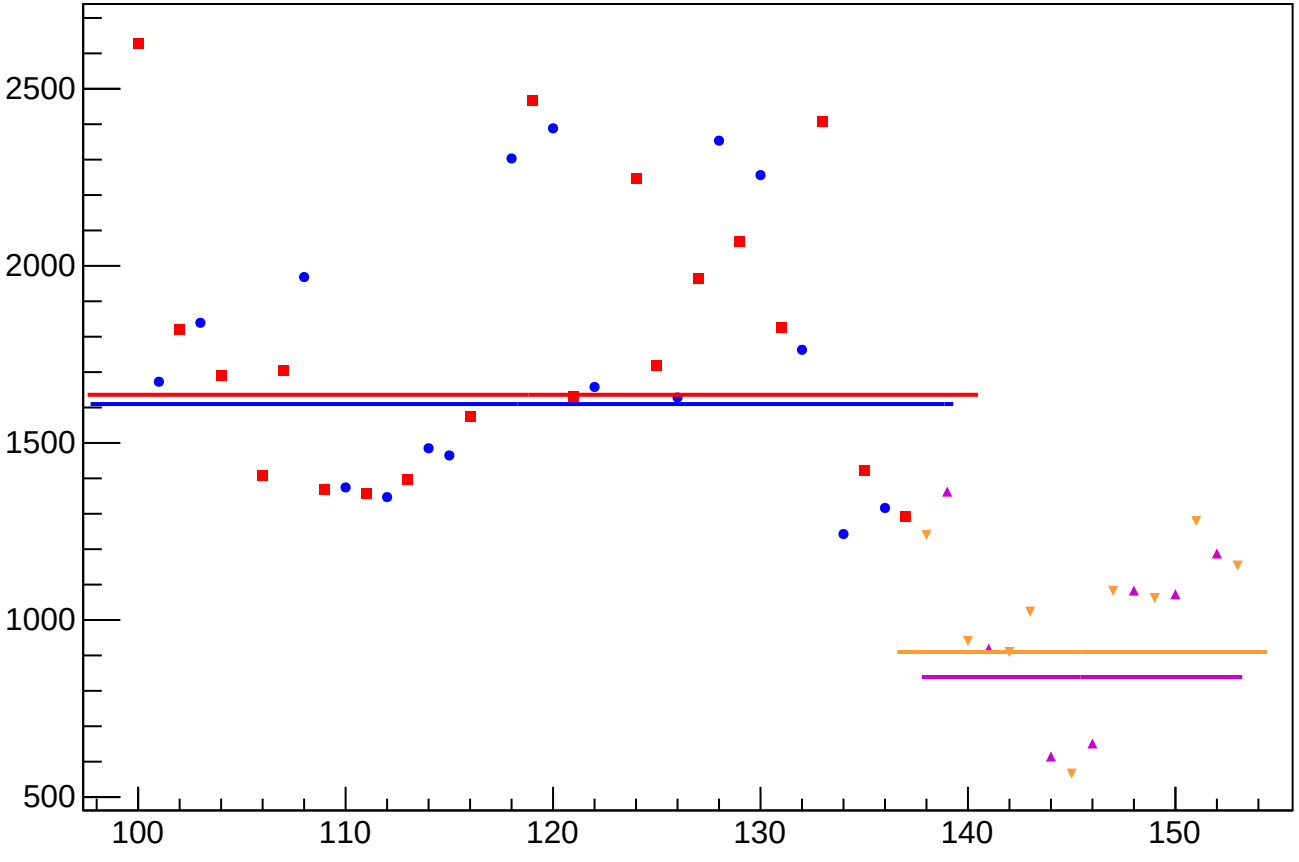
Left In: -177.094+/-356.136 χ^2/NDF:5.9/6

+ sign -1160.021+/-309.939 χ^2/NDF: 48.4/24

All: -826.457+/-218.514 χ^2/NDF: 72.2/50

- sign -496.793+/-308.121 χ^2/NDF: 21.5/25

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 909.659+/-0.254 χ^2/NDF:1002114.8/8

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

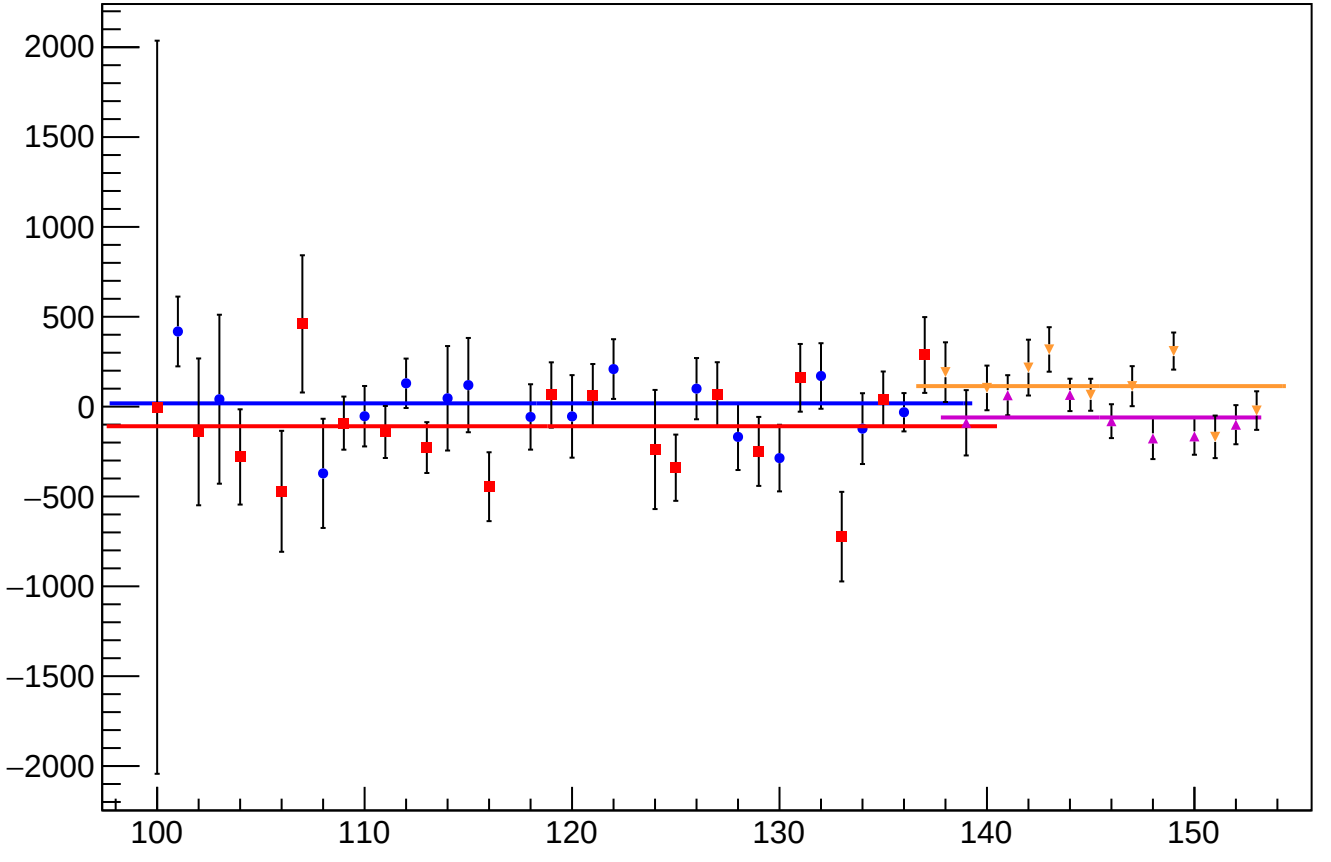
Left In: 839.060+/-0.252 χ^2/NDF:949606.1/6

+ sign 1086.895+/-0.219 χ^2/NDF: 3550771.3/24

All: 1063.046+/-0.155 χ^2/NDF: 7570446.6/50

- sign 1039.475+/-0.218 χ^2/NDF: 3996129.9/25

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 114.125+/-38.735 χ^2/NDF:14.5/8

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

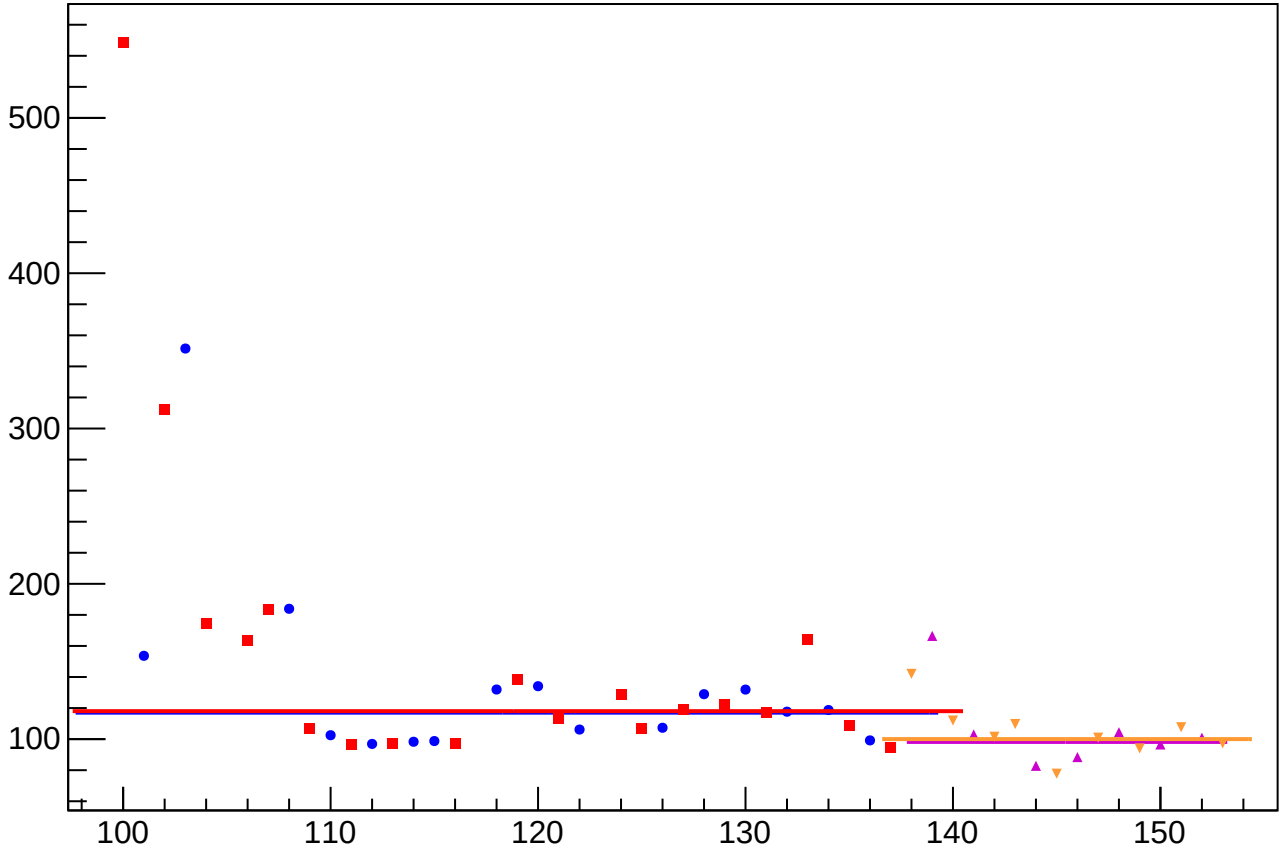
Left In: -60.289+/-40.764 χ^2/NDF:5.5/6

+ sign 74.022+/-29.550 χ^2/NDF: 31.0/24

All: -1.567+/-21.209 χ^2/NDF: 76.0/50

- sign -81.872+/-30.458 χ^2/NDF: 31.5/25

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.017+/-0.027 χ^2/NDF:300927.1/8

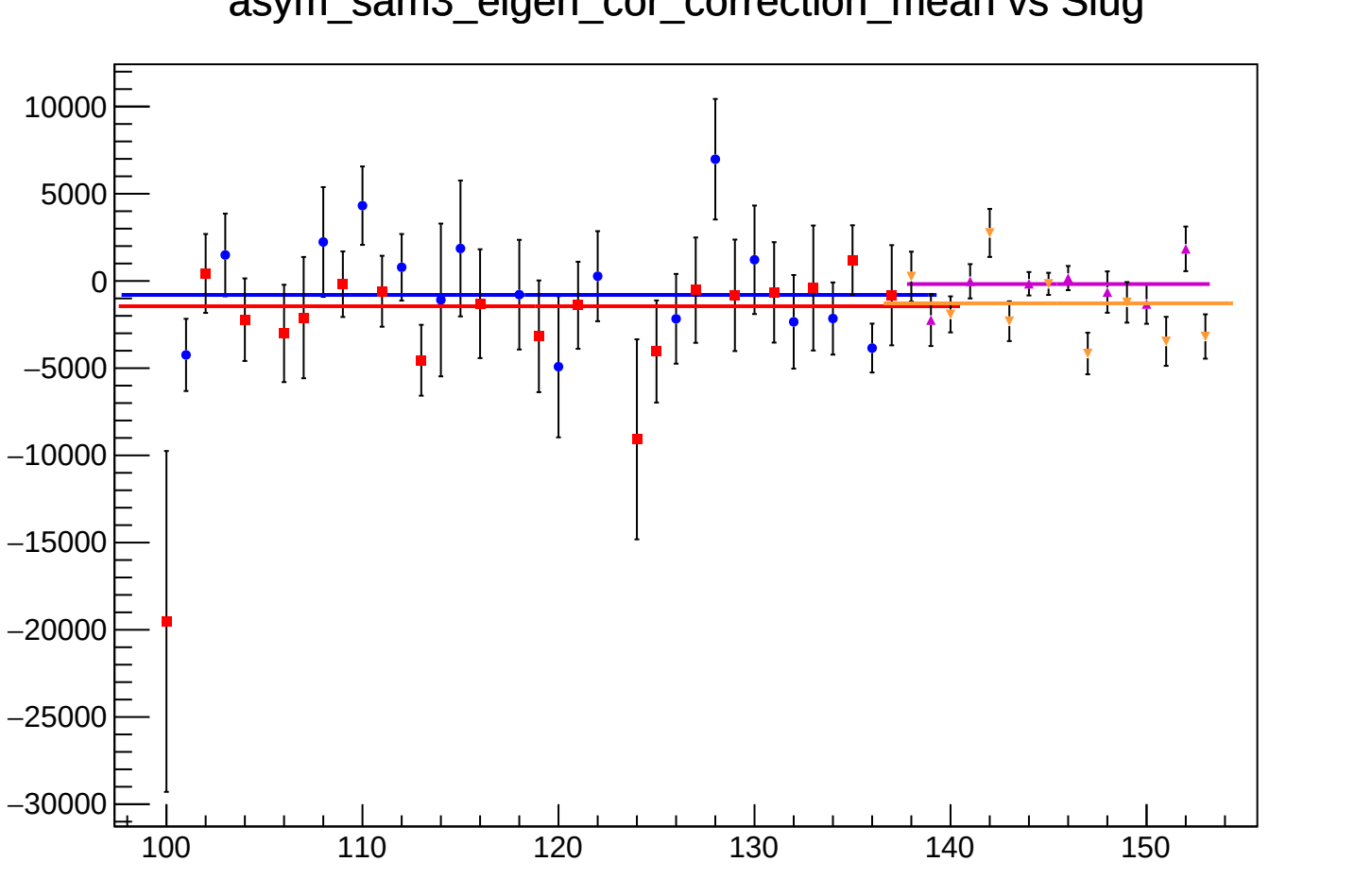
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.202+/-0.029 χ^2/NDF:373292.9/6

+ sign 107.142+/-0.021 χ^2/NDF: 1321235.4/24

All: 107.049+/-0.015 χ^2/NDF: 2889623.4/50

- sign 106.950+/-0.022 χ^2/NDF: 1568346.9/25



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1282.349+/-358.639 χ^2/NDF:24.5/8

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

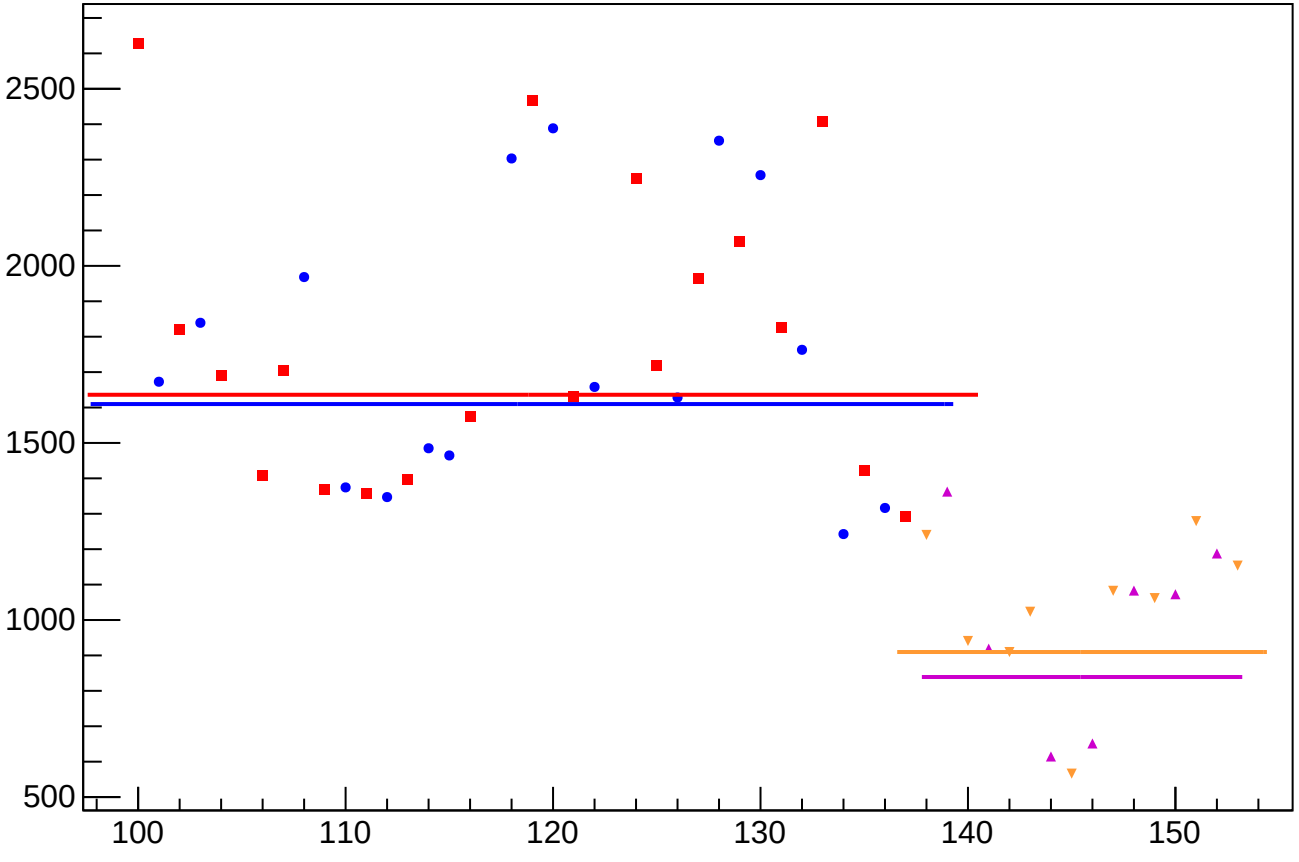
Left In: -177.094+/-356.136 χ^2/NDF:5.9/6

+ sign -1160.021+/-309.939 χ^2/NDF: 48.4/24

All: -826.457+/-218.514 χ^2/NDF: 72.2/50

- sign -496.793+/-308.121 χ^2/NDF: 21.5/25

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 909.659+/-0.254 χ^2/NDF:1002114.8/8

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

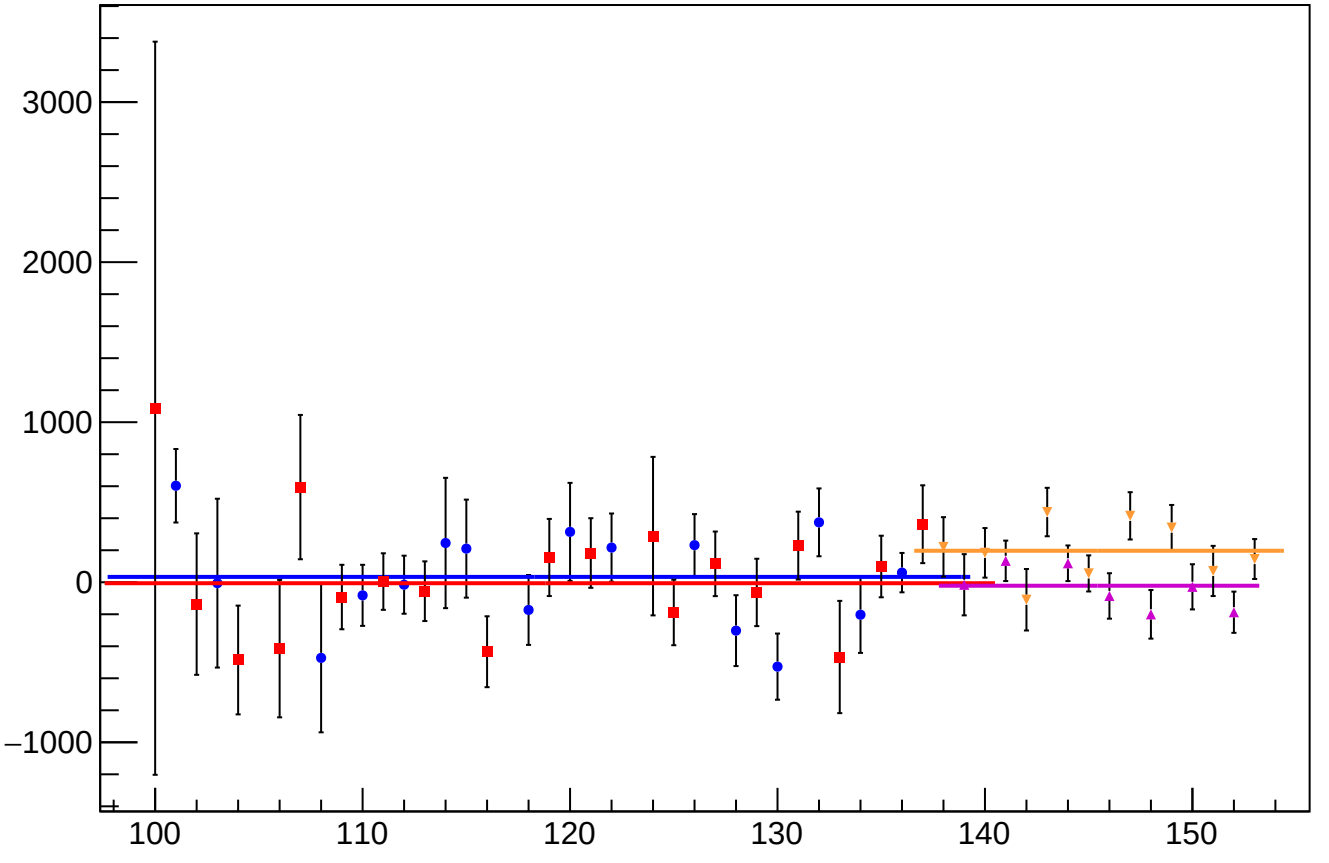
Left In: 839.060+/-0.252 χ^2/NDF:949606.1/6

+ sign 1086.895+/-0.219 χ^2/NDF: 3550771.3/24

All: 1063.046+/-0.155 χ^2/NDF: 7570446.6/50

- sign 1039.475+/-0.218 χ^2/NDF: 3996129.9/25

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 196.786+/-48.761 χ^2/NDF:10.7/8

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

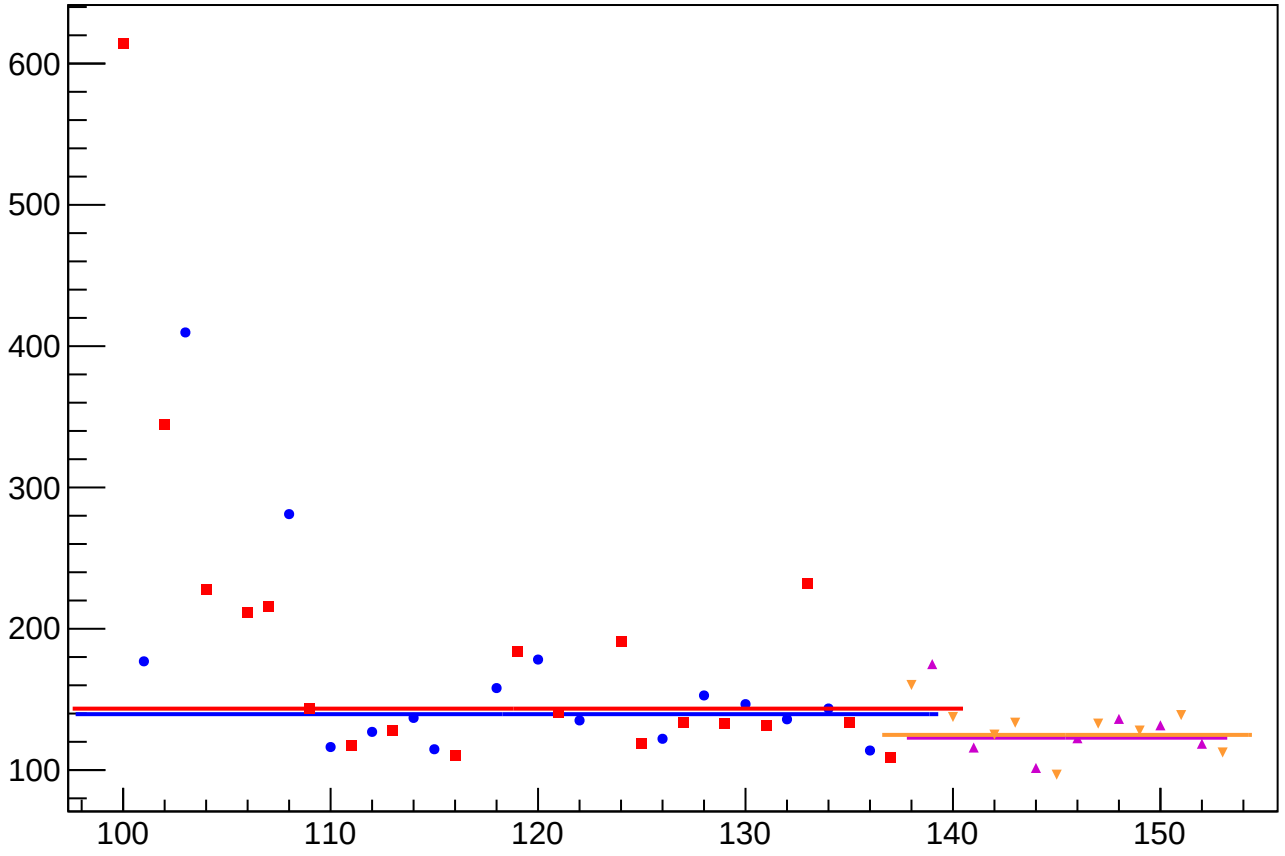
Left In: -21.766+/-51.693 χ^2/NDF:6.4/6

+ sign 124.778+/-36.460 χ^2/NDF: 40.9/24

All: 58.005+/-26.312 χ^2/NDF: 71.6/50

- sign -14.574+/-38.012 χ^2/NDF: 23.7/25

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 124.906+/-0.034 χ^2/NDF:259376.7/8

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

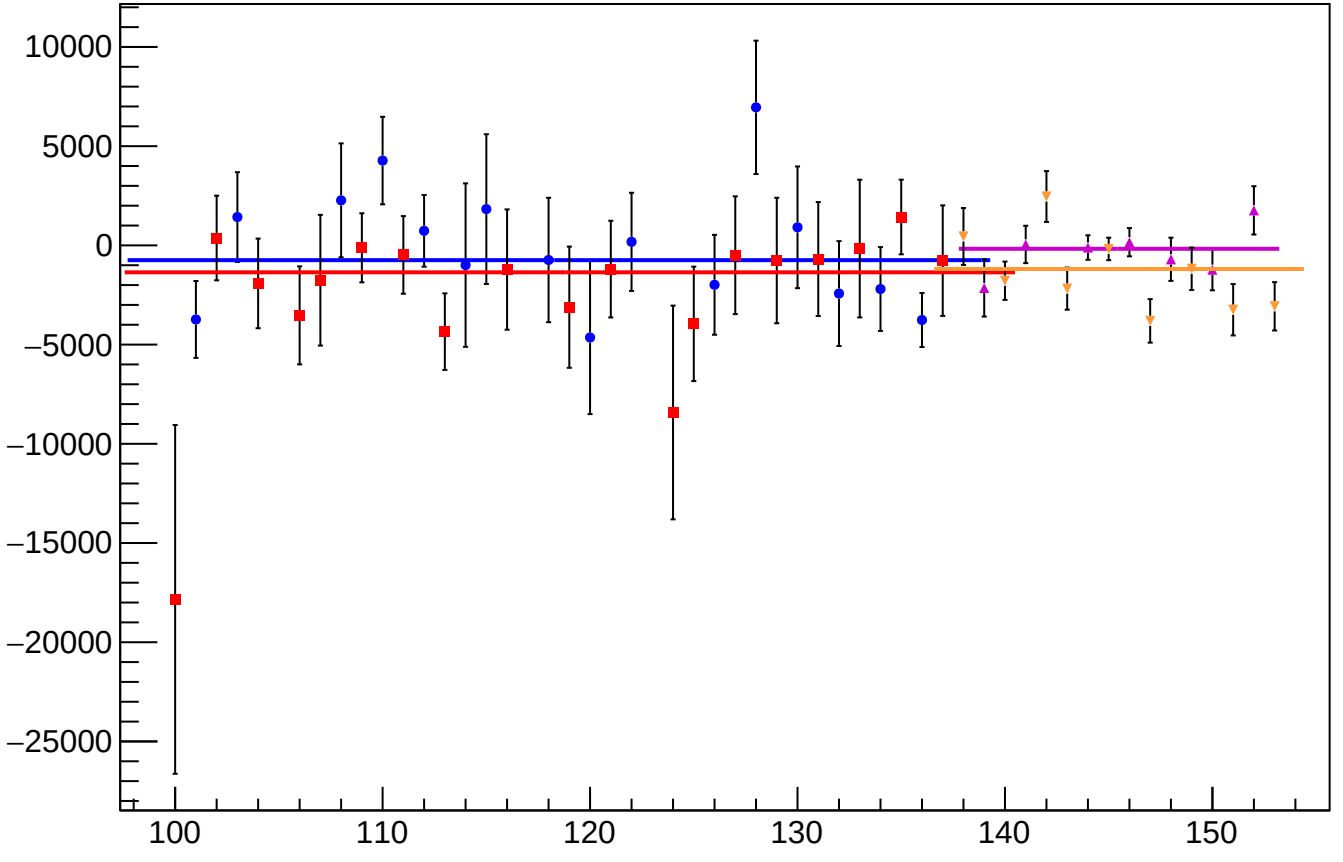
Left In: 122.923+/-0.037 χ^2/NDF:253872.0/6

\+ sign 131.370+/-0.026 χ^2/NDF: 1315821.6/24

All: 131.846+/-0.019 χ^2/NDF: 2832328.8/50

\- sign 132.364+/-0.027 χ^2/NDF: 1515795.3/25

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1189.768+/-330.533 χ^2/NDF:24.5/8

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

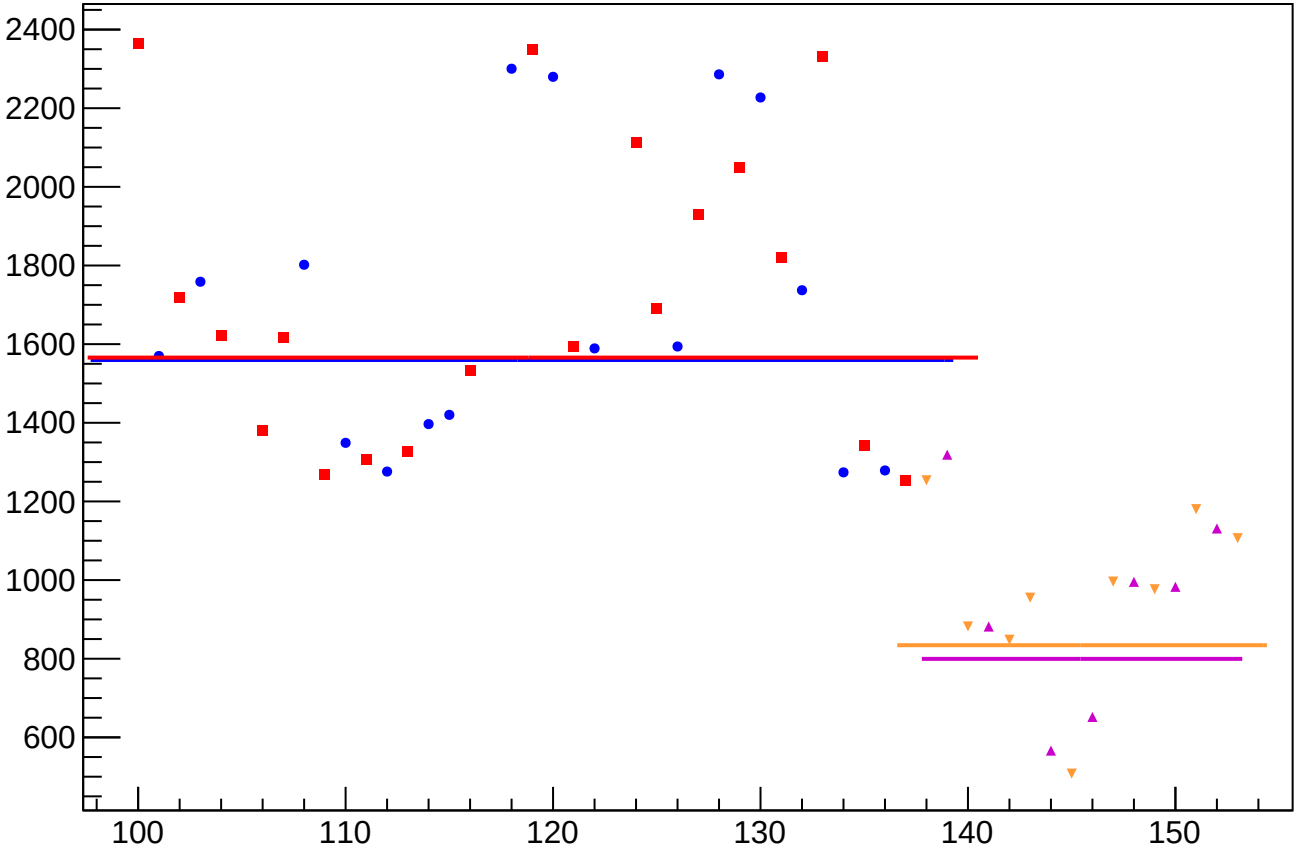
Left In: -171.604+/-340.099 χ^2/NDF:6.0/6

+ sign -1085.024+/-289.035 χ^2/NDF: 48.3/24

All: -783.197+/-206.154 χ^2/NDF: 73.1/50

- sign -470.648+/-294.124 χ^2/NDF: 22.6/25

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 834.386+/-0.234 χ^2/NDF:1189450.4/8

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

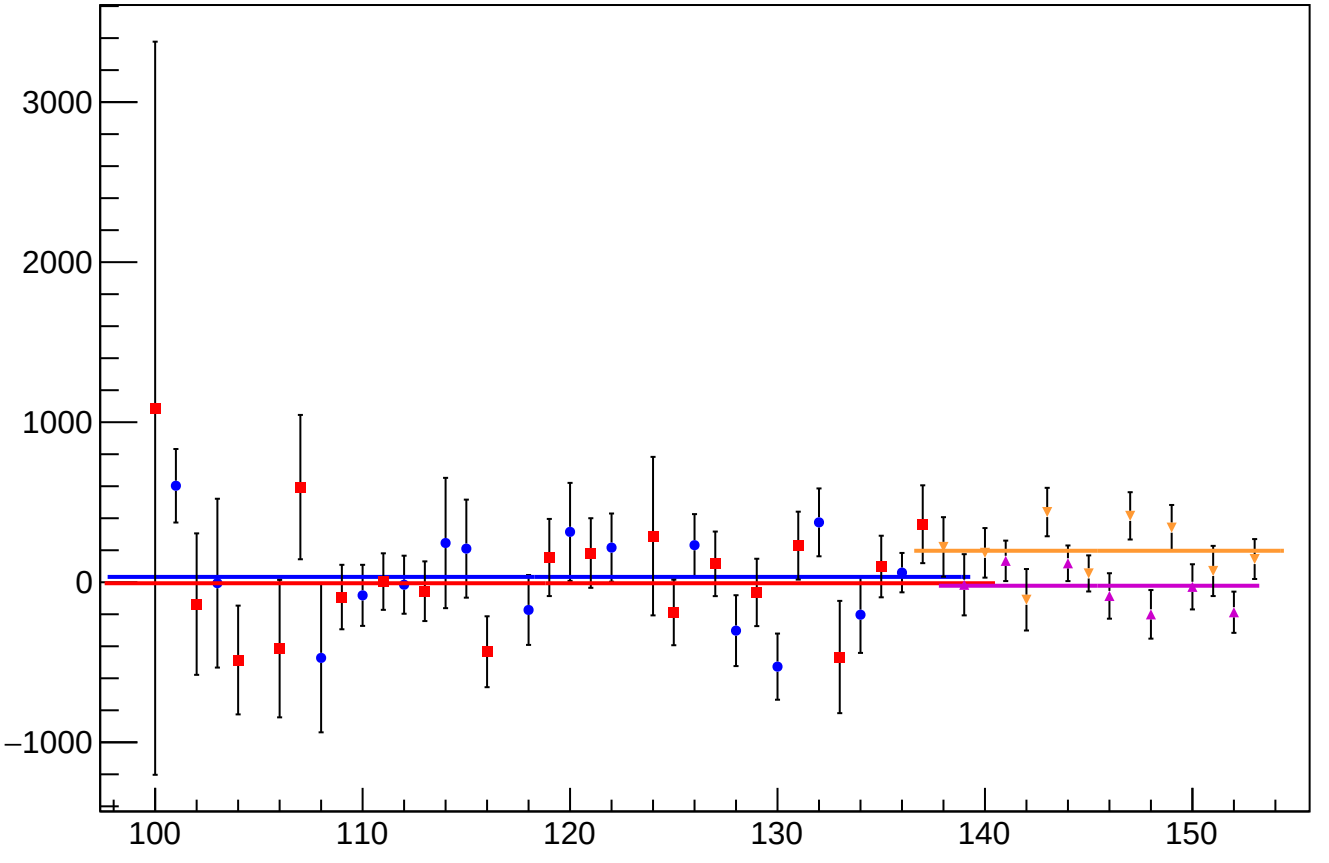
Left In: 799.623+/-0.240 χ^2/NDF:920933.2/6

+ sign 1005.086+/-0.204 χ^2/NDF: 4060288.6/24

All: 999.035+/-0.146 χ^2/NDF: 8105662.6/50

- sign 992.768+/-0.208 χ^2/NDF: 4043589.5/25

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 196.788+/-48.761 χ^2/NDF:10.7/8

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

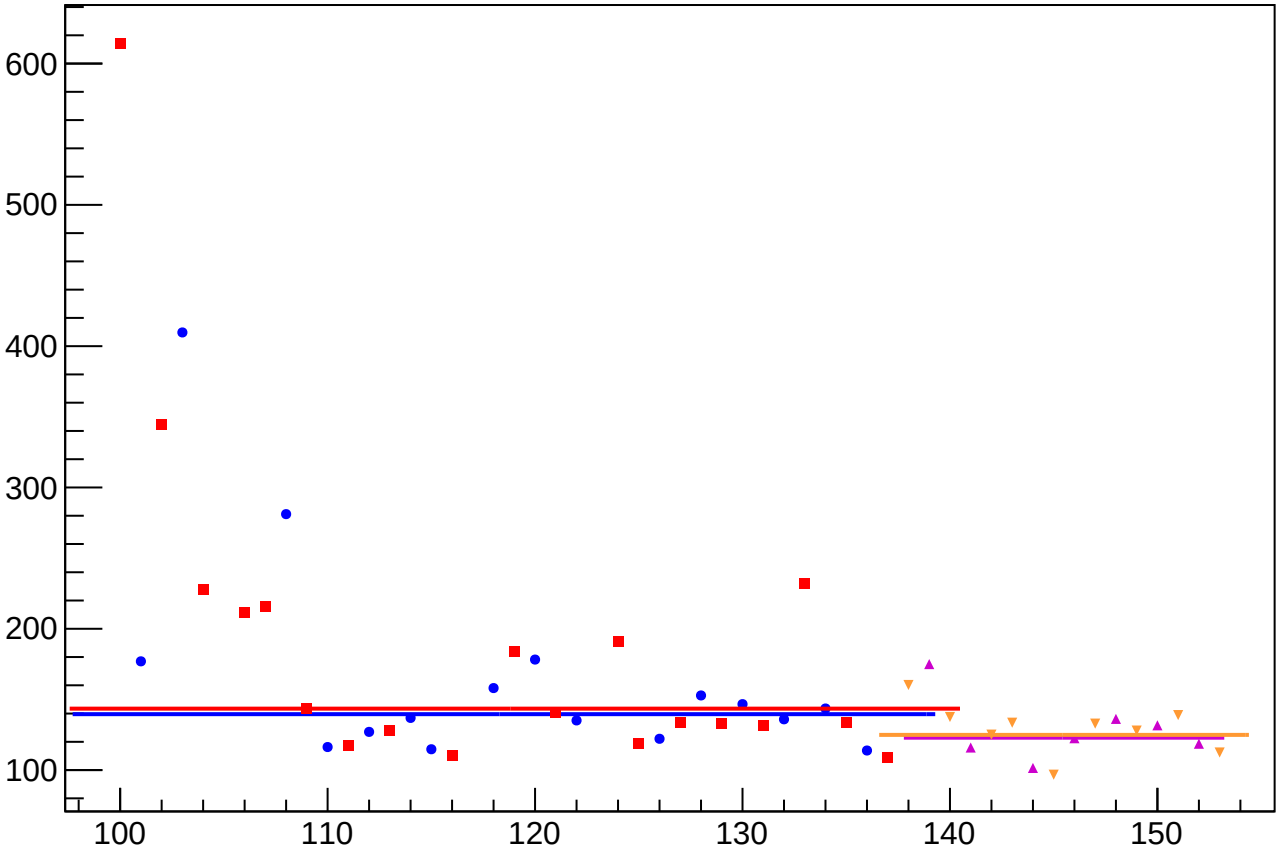
Left In: -21.766+/-51.693 χ^2/NDF:6.4/6

+ sign 124.778+/-36.460 χ^2/NDF: 40.9/24

All: 58.006+/-26.313 χ^2/NDF: 71.6/50

- sign -14.572+/-38.012 χ^2/NDF: 23.7/25

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 124.907+/-0.034 χ^2/NDF:259381.3/8

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

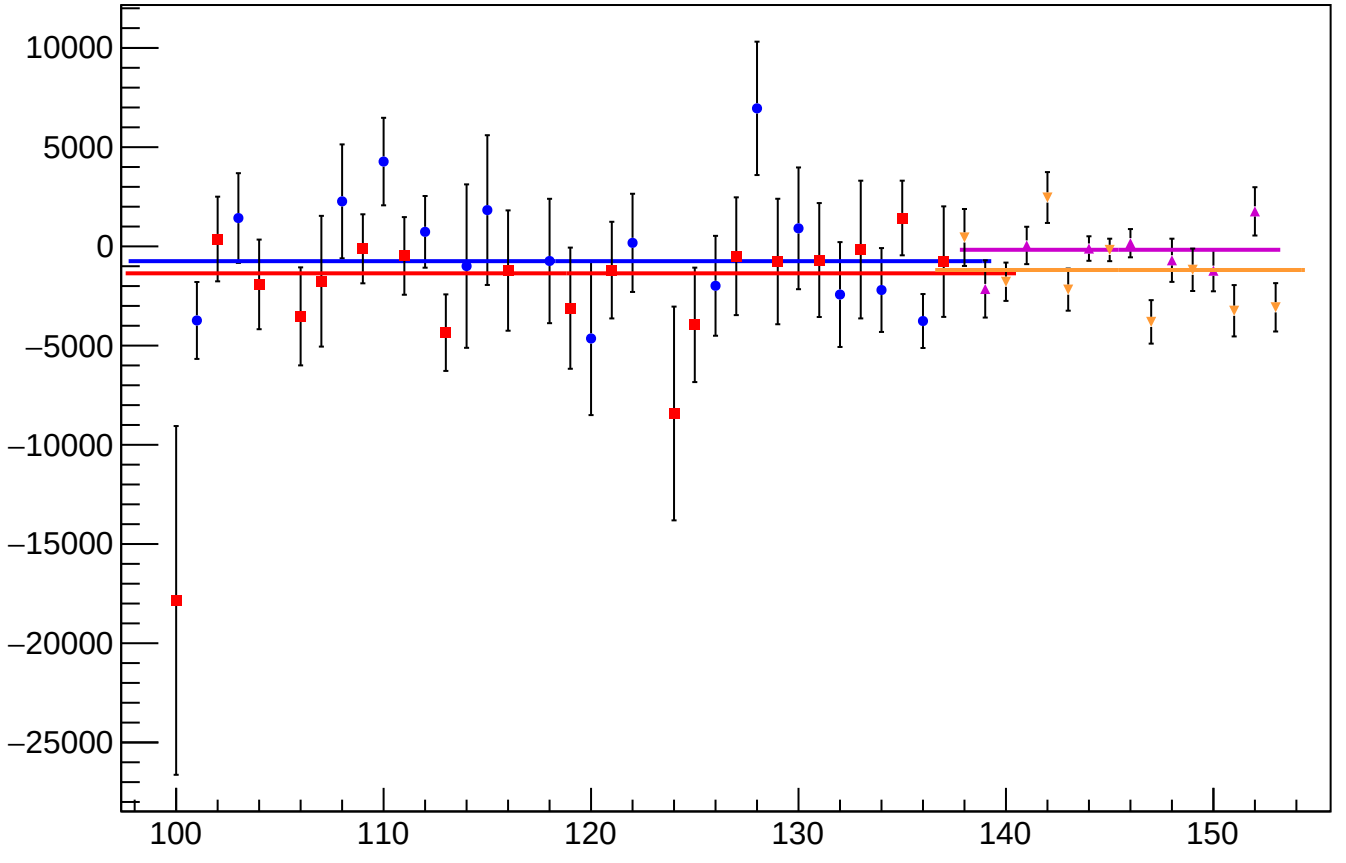
Left In: 122.924+/-0.037 χ^2/NDF:253869.7/6

+ sign 131.371+/-0.026 χ^2/NDF: 1315823.1/24

All: 131.847+/-0.019 χ^2/NDF: 2832331.4/50

- sign 132.365+/-0.027 χ^2/NDF: 1515796.4/25

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1189.770+/-330.532 χ^2/NDF:24.5/8

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

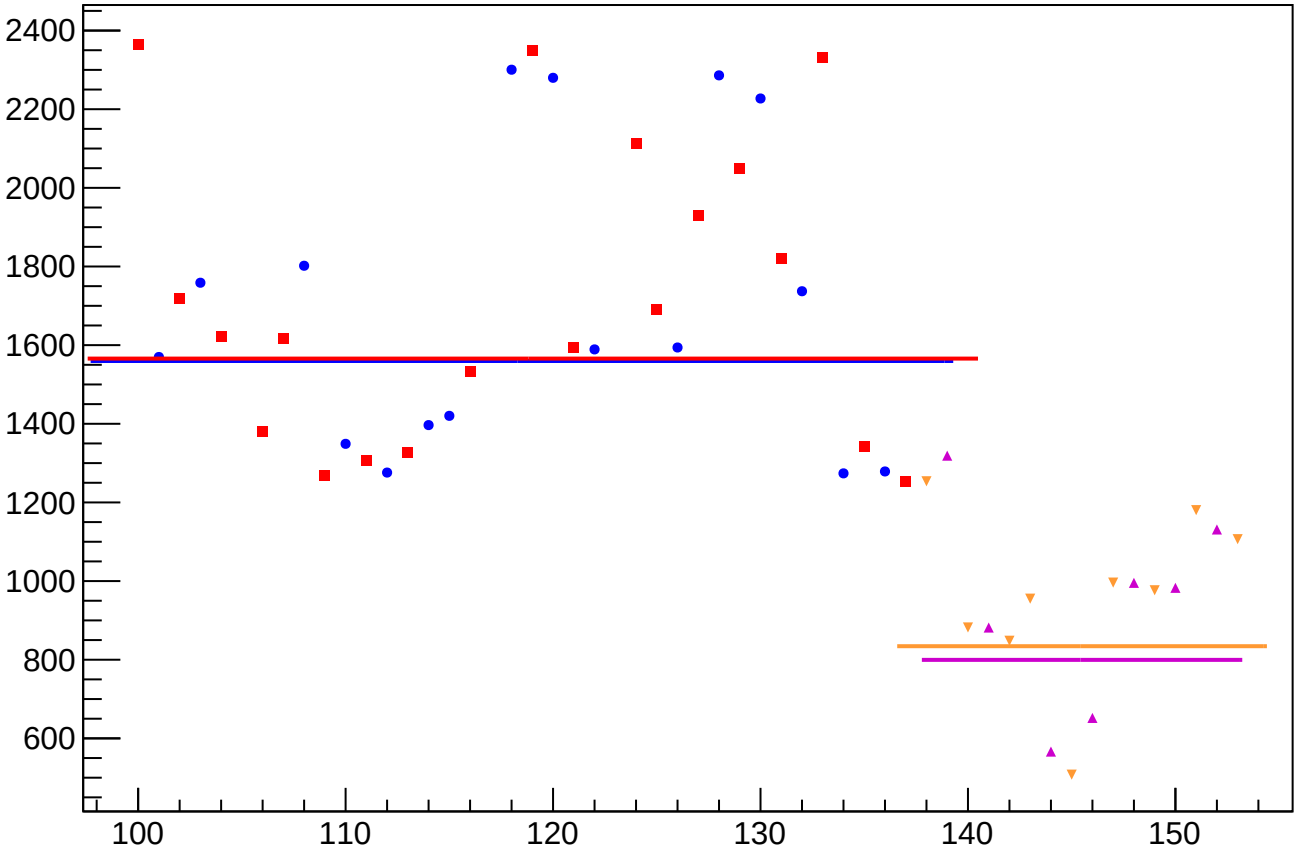
Left In: -171.603+/-340.099 χ^2/NDF:6.0/6

+ sign -1085.025+/-289.035 χ^2/NDF: 48.3/24

All: -783.197+/-206.154 χ^2/NDF: 73.1/50

- sign -470.647+/-294.124 χ^2/NDF: 22.6/25

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 834.385+/-0.234 χ^2/NDF:1189448.9/8

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

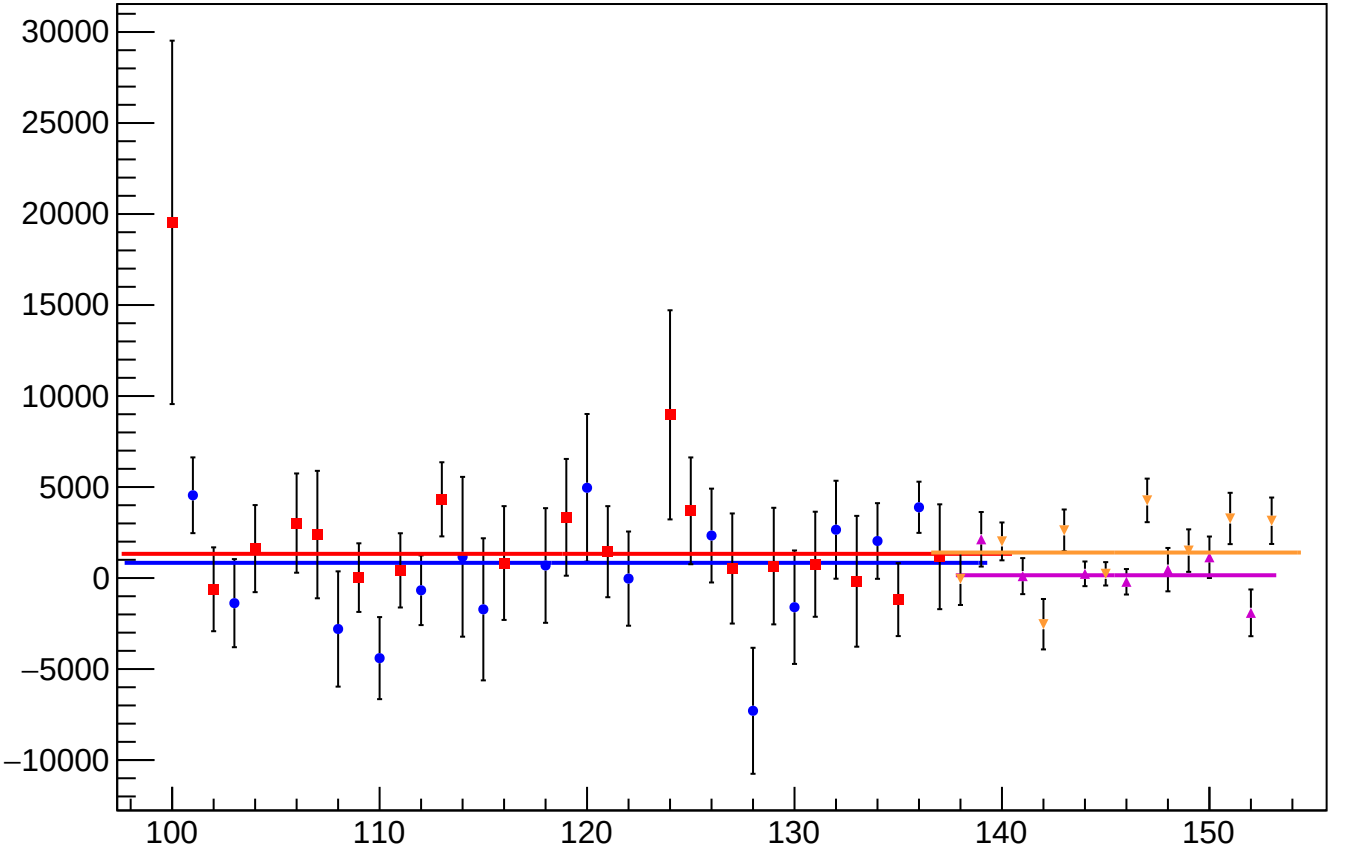
Left In: 799.622+/-0.240 χ^2/NDF:920932.3/6

+ sign 1005.085+/-0.204 χ^2/NDF: 4060288.0/24

All: 999.034+/-0.146 χ^2/NDF: 8105656.9/50

- sign 992.767+/-0.208 χ^2/NDF: 4043584.4/25

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1401.100+/-361.169 χ^2/NDF:23.3/8

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

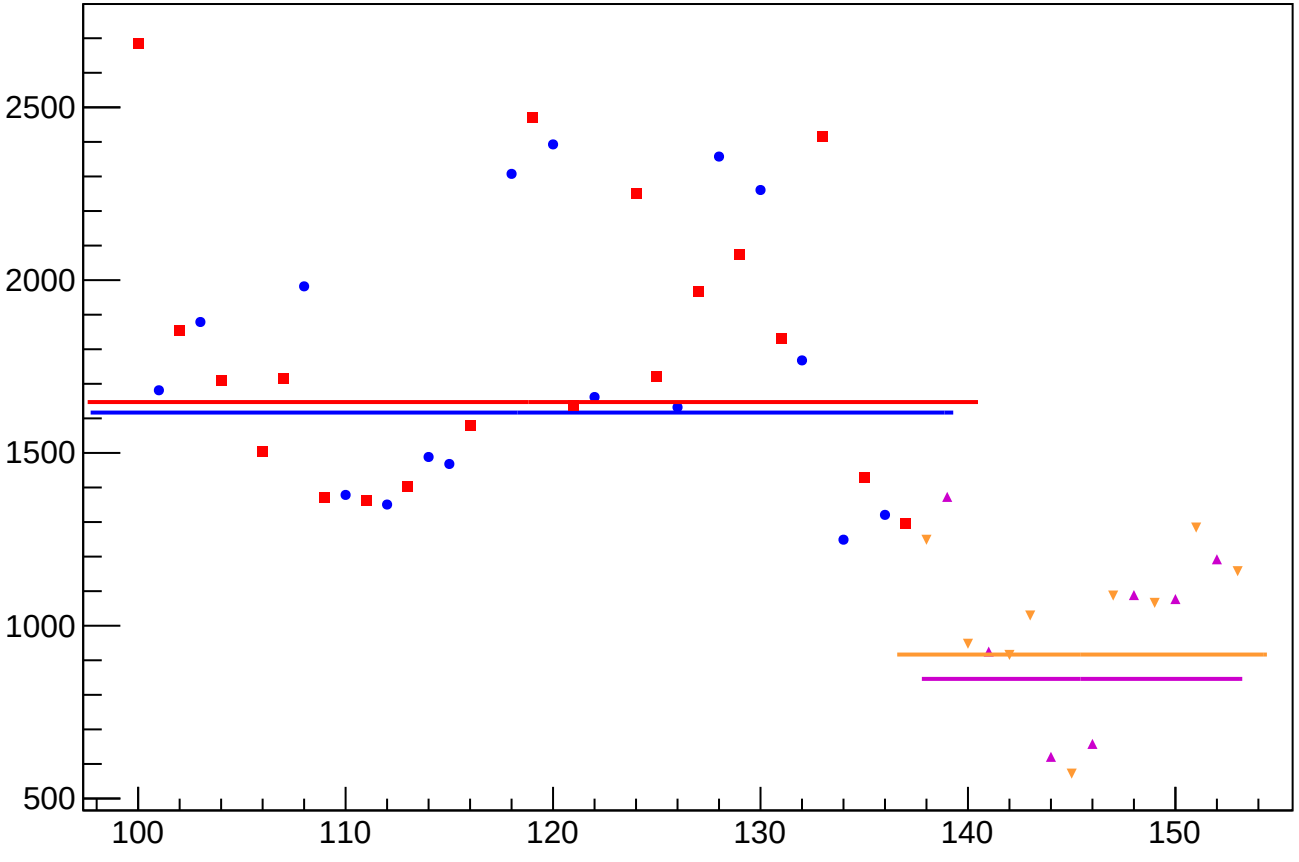
Left In: 153.170+/-358.920 χ^2/NDF:5.4/6

\+ sign 1257.374+/-311.923 χ^2/NDF: 48.8/24

All: 851.924+/-219.941 χ^2/NDF: 72.4/50

\- sign 451.011+/-310.172 χ^2/NDF: 20.3/25

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 916.593+/-0.255 χ^2/NDF:985155.7/8

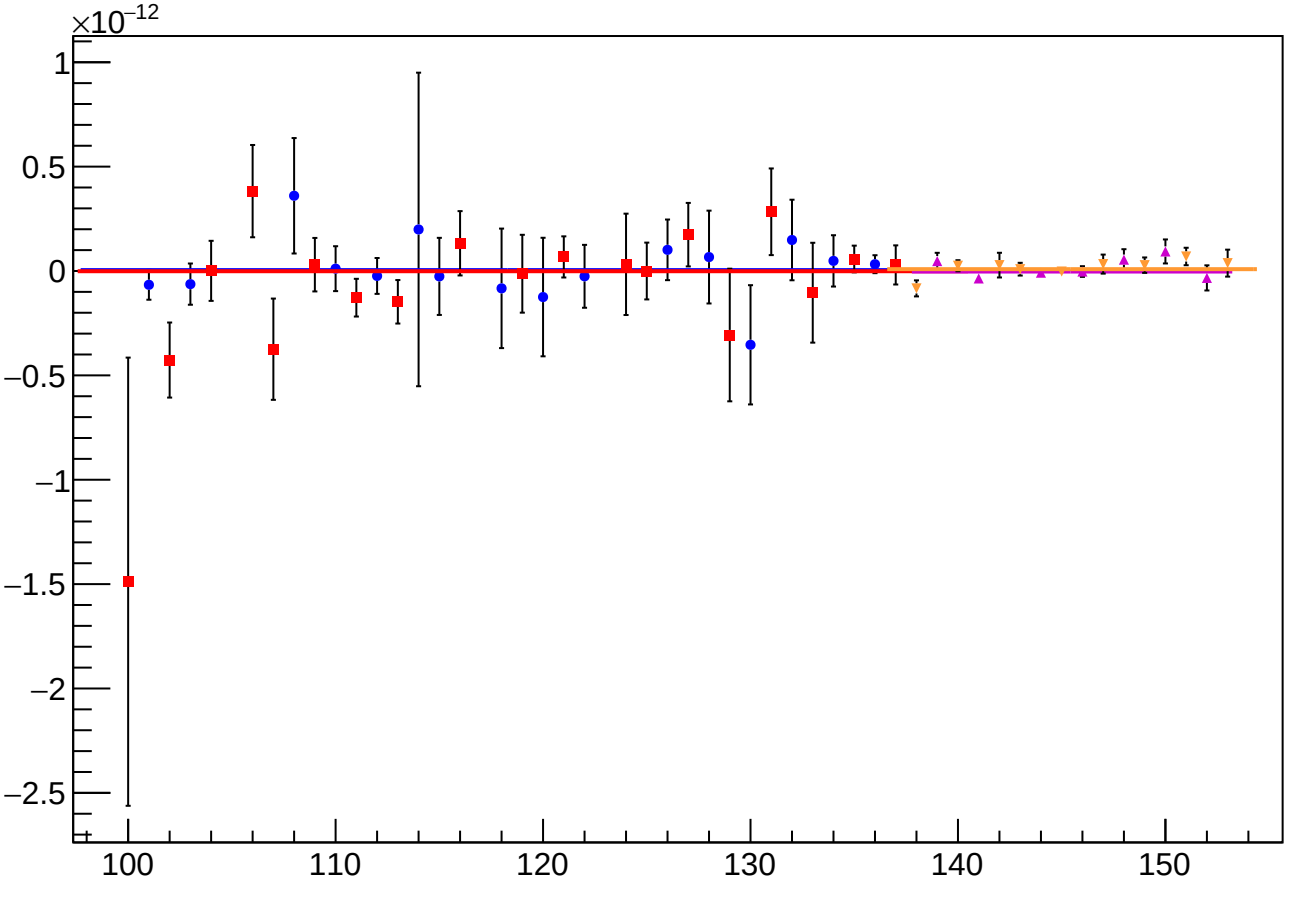
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 846.146+/-0.254 χ^2/NDF:936118.6/6

+ sign 1094.524+/-0.221 χ^2/NDF: 3517673.4/24

All: 1071.619+/-0.156 χ^2/NDF: 7521595.3/50

- sign 1048.970+/-0.219 χ^2/NDF: 3982473.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

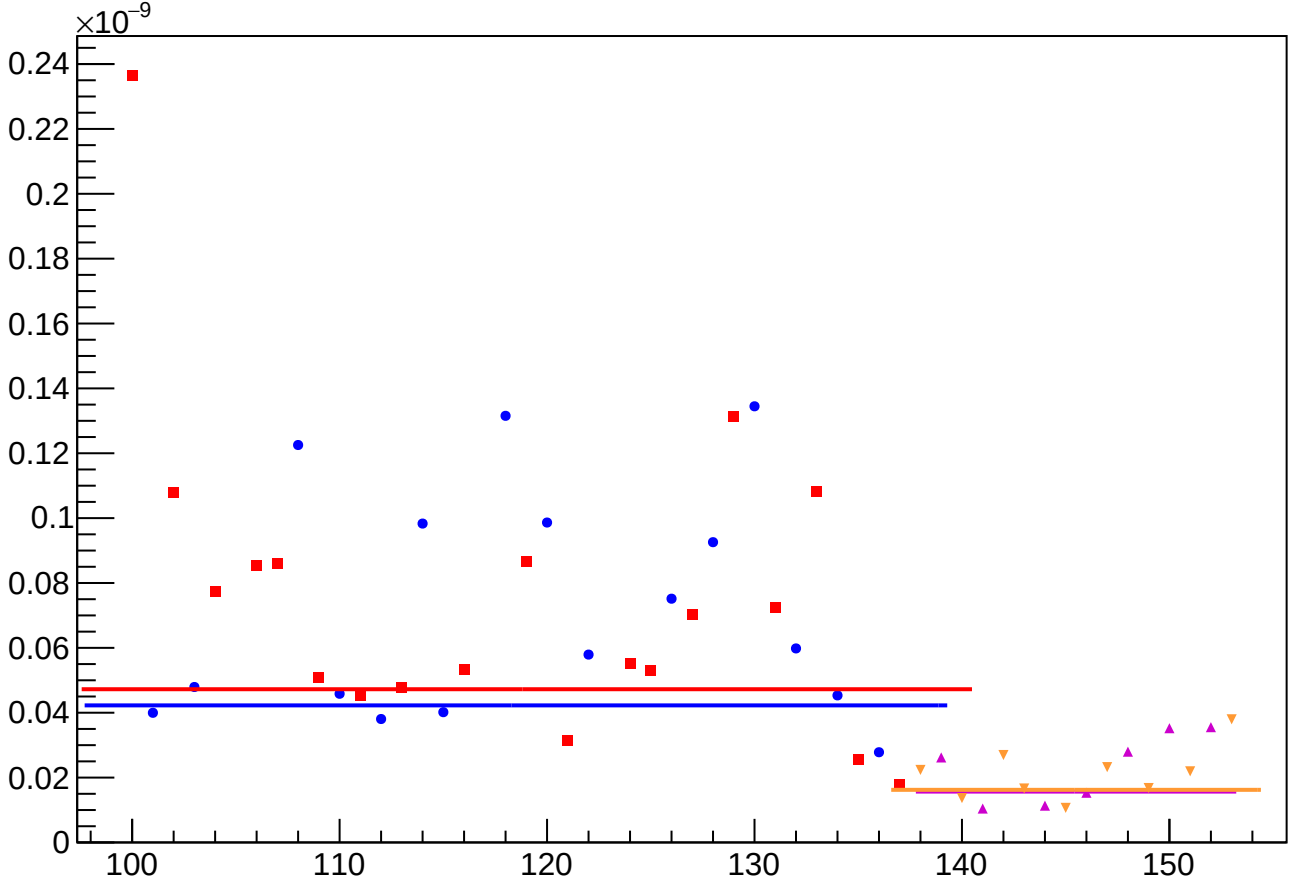
Left In: -0.000+/-0.000 χ^2/NDF:8.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 16.3/24

All: 0.000+/-0.000 χ^2/NDF: 48.3/50

- sign -0.000+/-0.000 χ^2/NDF: 31.4/25

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:628630.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

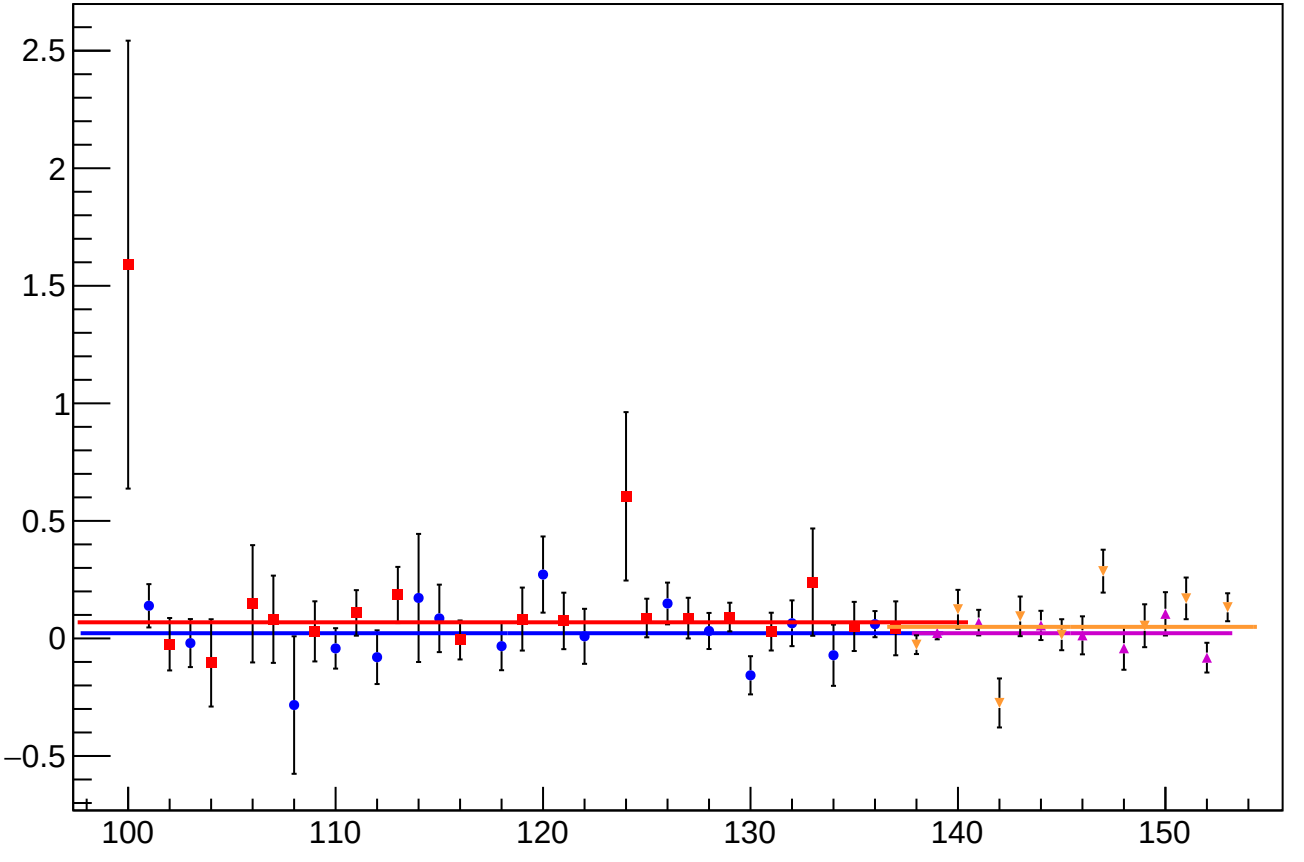
Left In: 0.000+/-0.000 χ^2/NDF:922872.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 3351795.3/24

All: 0.000+/-0.000 χ^2/NDF: 7595924.7/50

- sign 0.000+/-0.000 χ^2/NDF: 4243047.0/25

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.049+/-0.023 χ^2/NDF:25.2/8

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

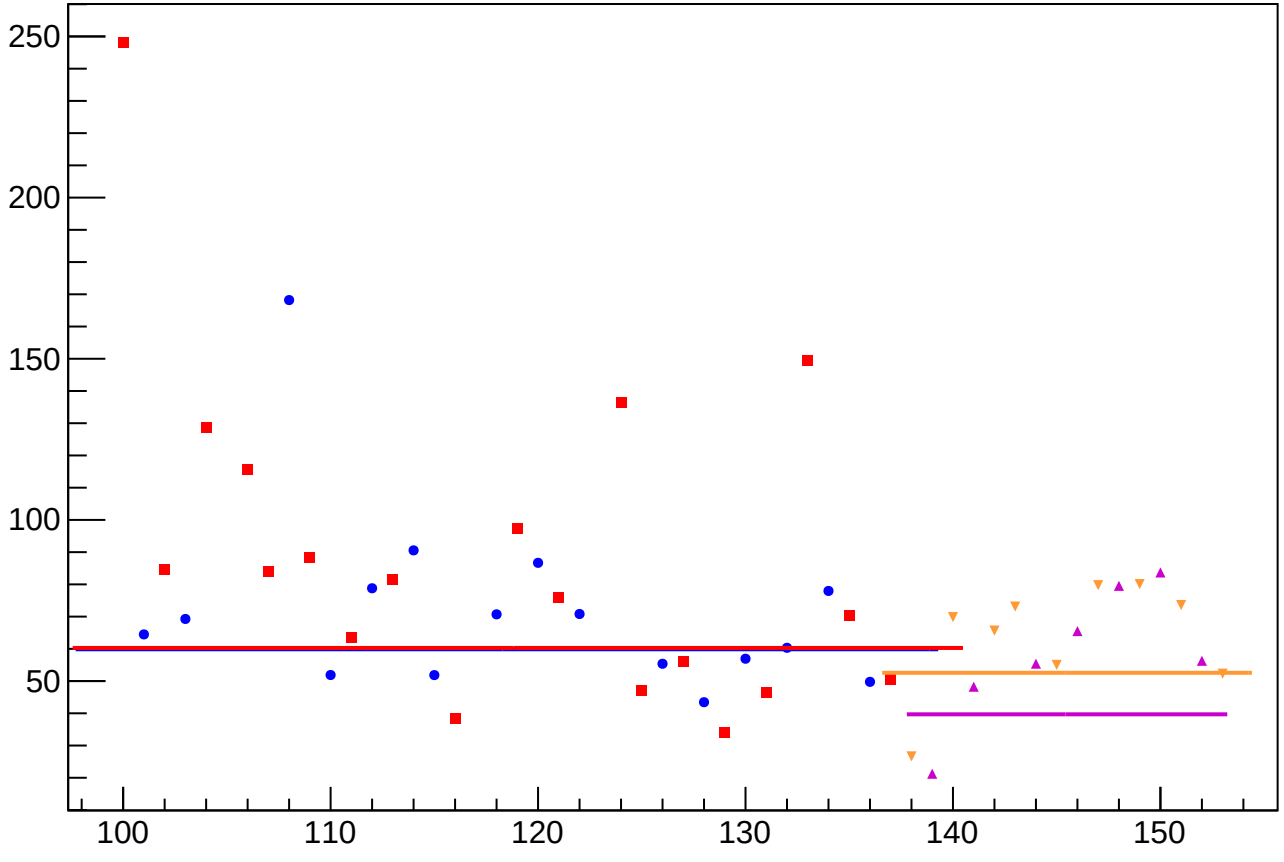
Left In: 0.022+/-0.020 χ^2/NDF:5.0/6

+ sign 0.037+/-0.017 χ^2/NDF: 41.3/24

All: 0.038+/-0.011 χ^2/NDF: 58.0/50

- sign 0.040+/-0.016 χ^2/NDF: 16.7/25

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 52.574+/-0.016 χ^2/NDF:1560280.6/8

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

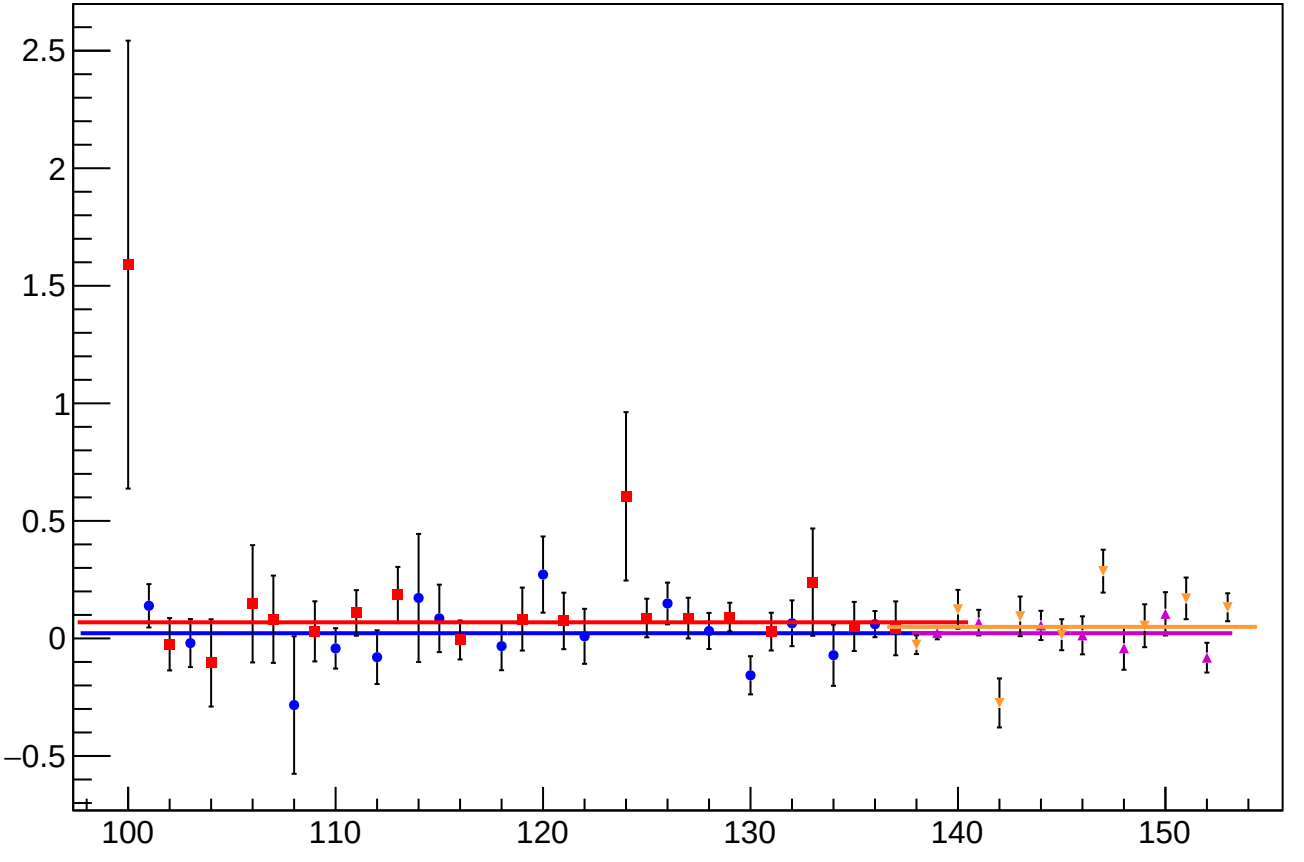
Left In: 39.686+/-0.014 χ^2/NDF:2278039.6/6

+ sign 55.966+/-0.012 χ^2/NDF: 2352719.7/24

All: 51.353+/-0.008 χ^2/NDF: 7713694.3/50

- sign 47.435+/-0.011 χ^2/NDF: 5083032.2/25

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.049+/-0.023 χ^2/NDF:25.2/8

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

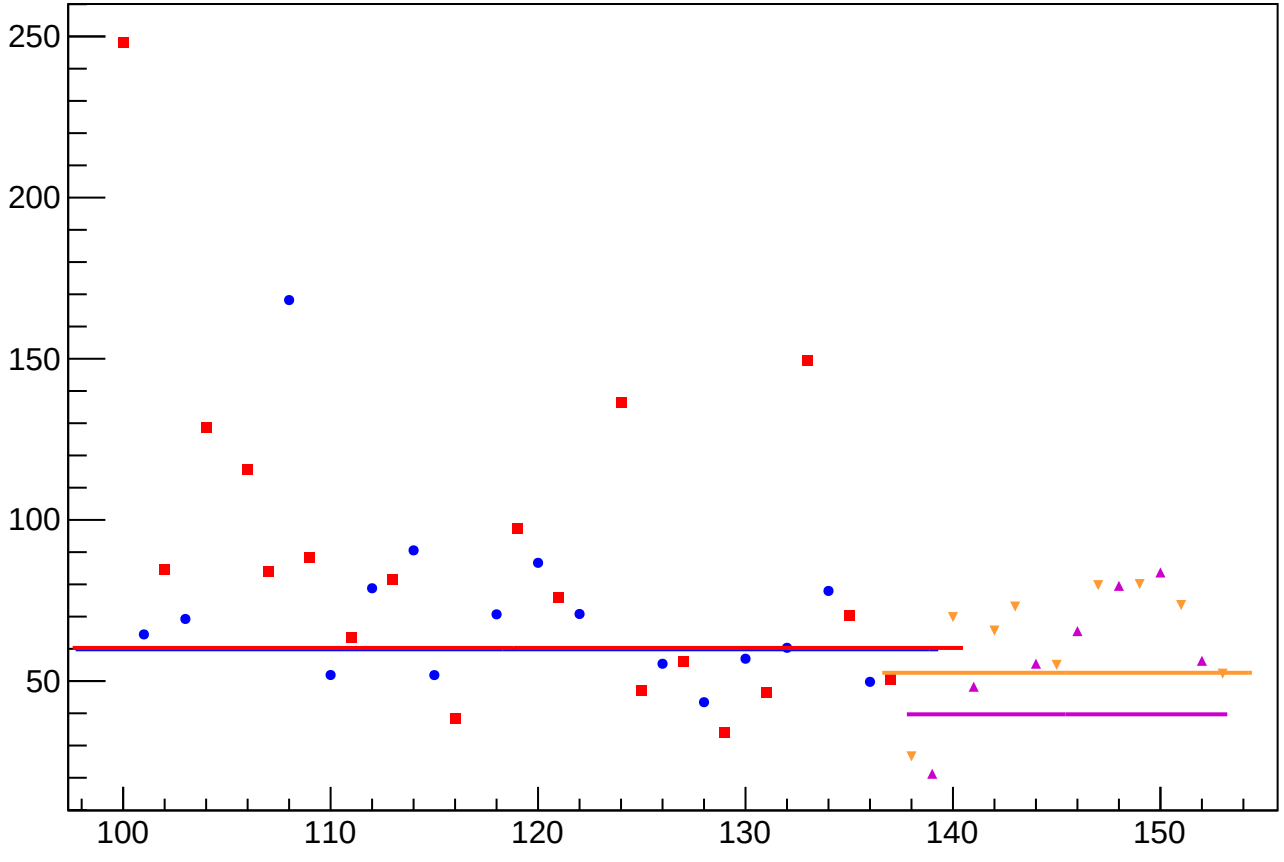
Left In: 0.022+/-0.020 χ^2/NDF:5.0/6

+ sign 0.037+/-0.017 χ^2/NDF: 41.3/24

All: 0.038+/-0.011 χ^2/NDF: 58.0/50

- sign 0.040+/-0.016 χ^2/NDF: 16.7/25

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 52.574+/-0.016 χ^2/NDF:1560280.6/8

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

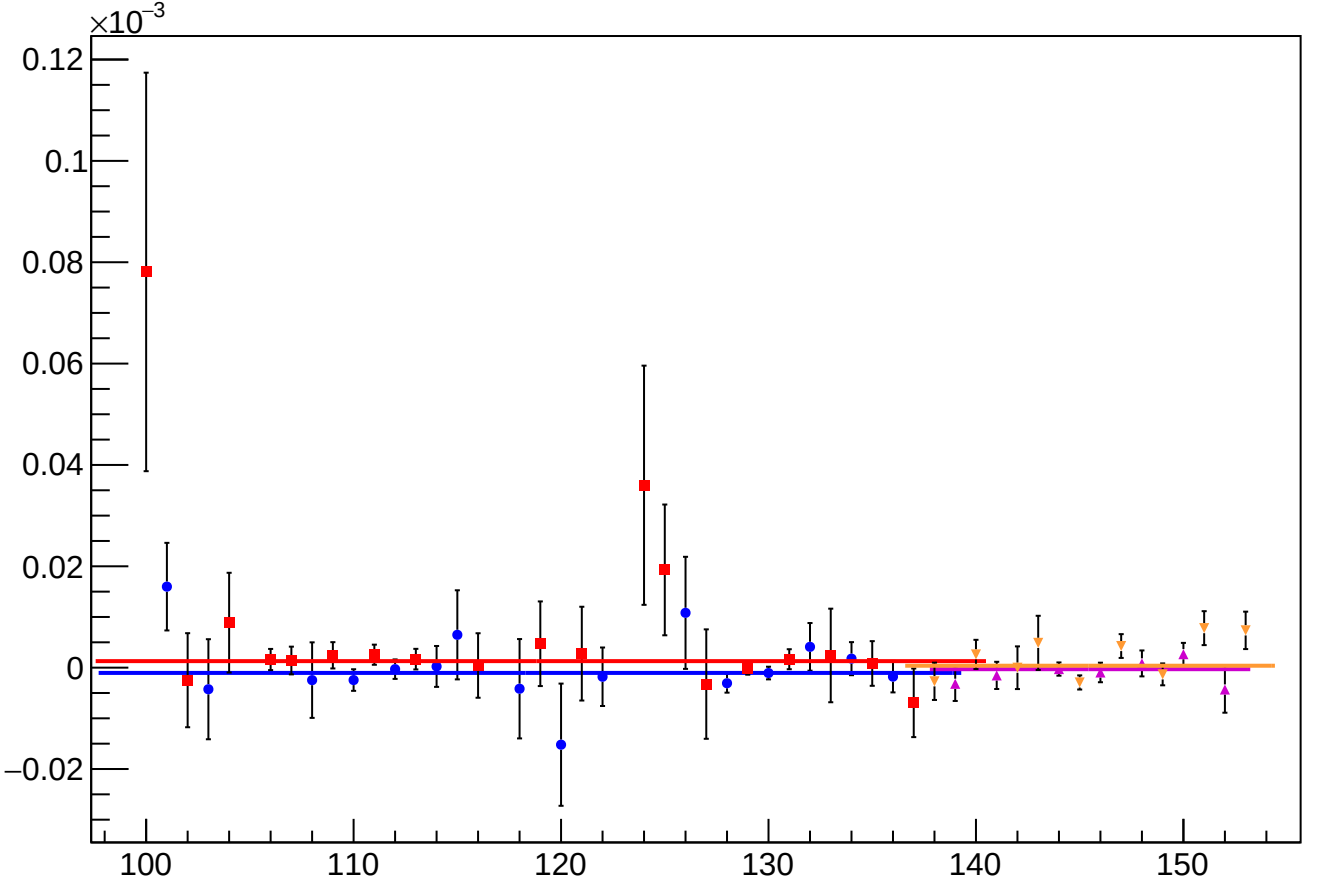
Left In: 39.686+/-0.014 χ^2/NDF:2278039.6/6

+ sign 55.966+/-0.012 χ^2/NDF: 2352719.7/24

All: 51.353+/-0.008 χ^2/NDF: 7713694.3/50

- sign 47.435+/-0.011 χ^2/NDF: 5083032.2/25

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

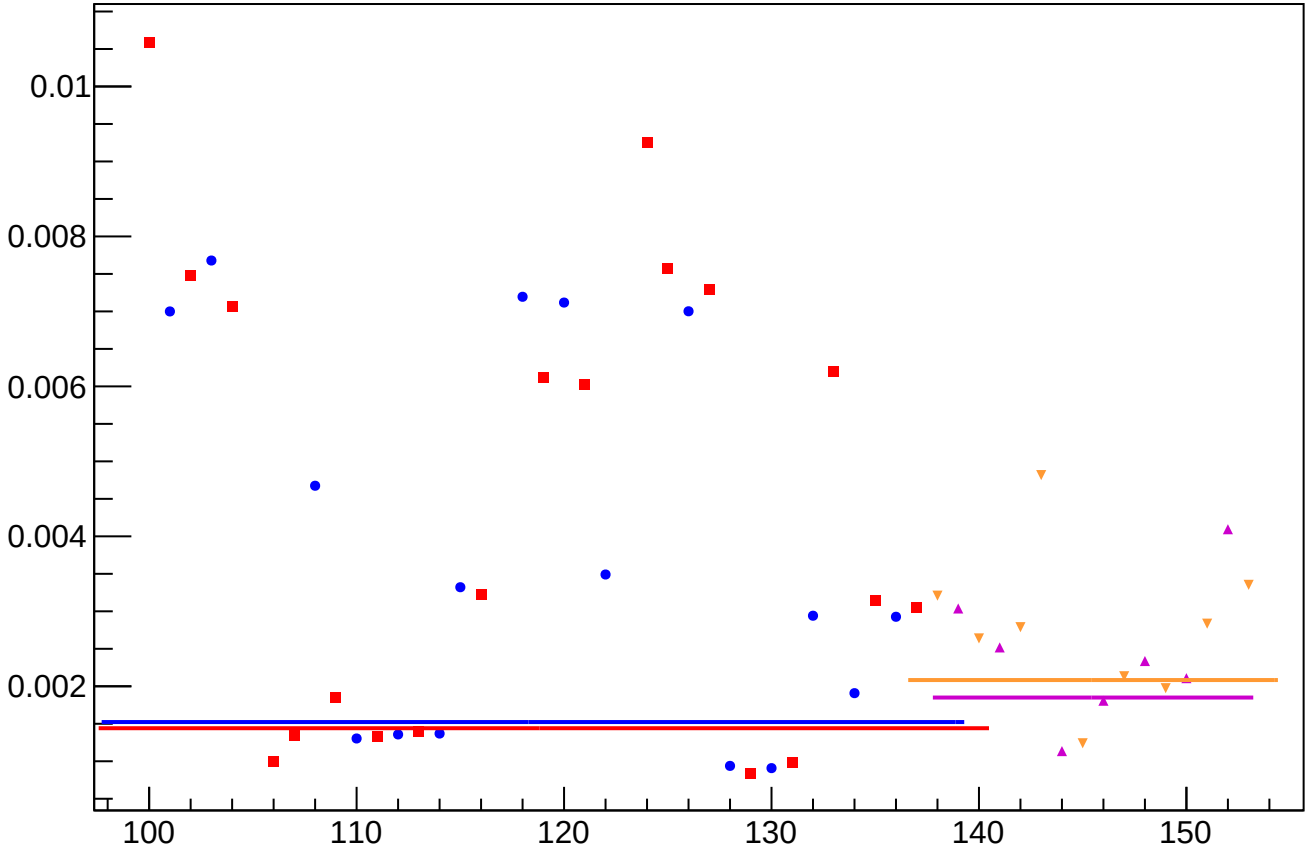
Left In: -0.000+/-0.000 χ^2/NDF:3.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/24

All: 0.000+/-0.000 χ^2/NDF: 52.5/50

- sign 0.000+/-0.000 χ^2/NDF: 18.4/25

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1911840.8/8

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

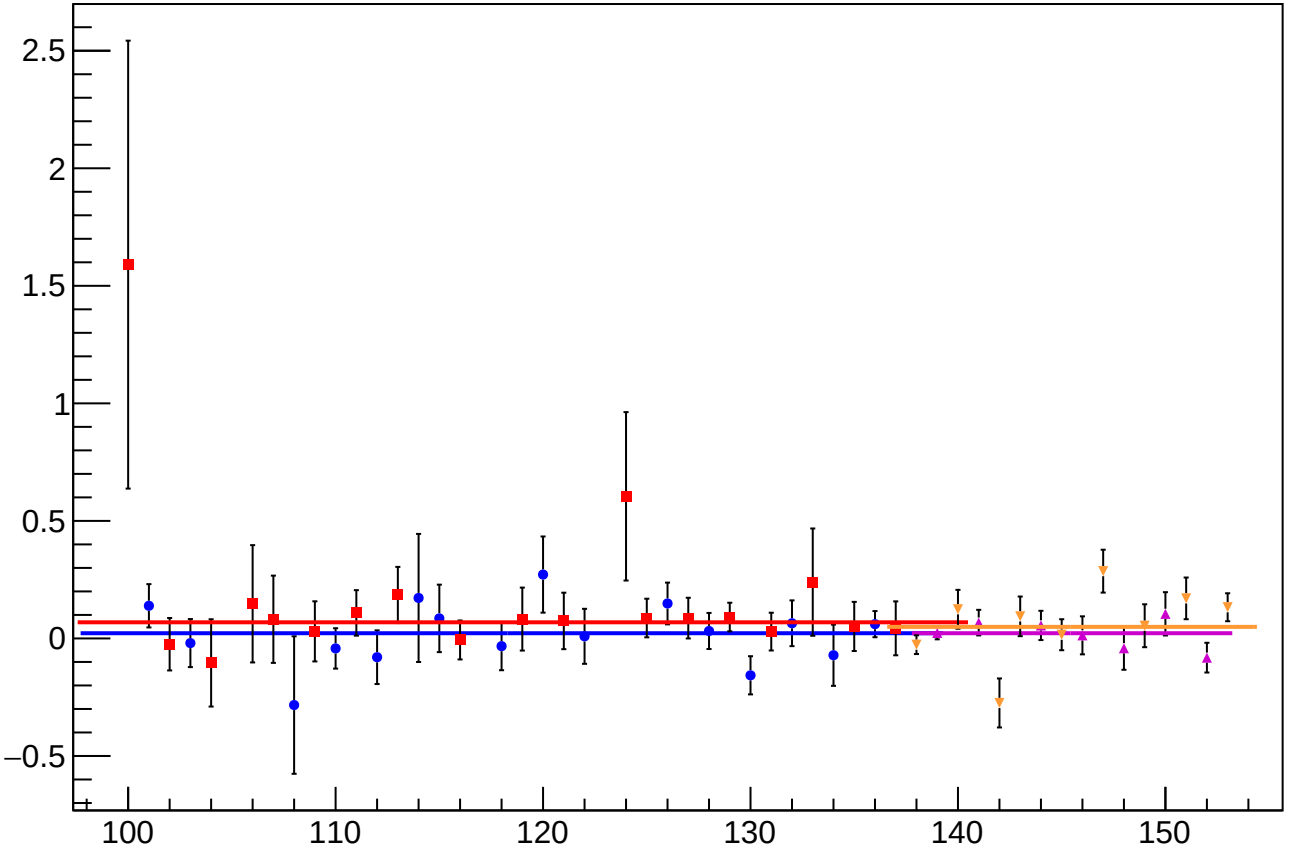
Left In: 0.002+/-0.000 χ^2/NDF:1548513.2/6

+ sign 0.002+/-0.000 χ^2/NDF: 7583754.7/24

All: 0.002+/-0.000 χ^2/NDF: 15283415.2/50

- sign 0.002+/-0.000 χ^2/NDF: 7625701.9/25

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.049+/-0.023 χ^2/NDF:25.2/8

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

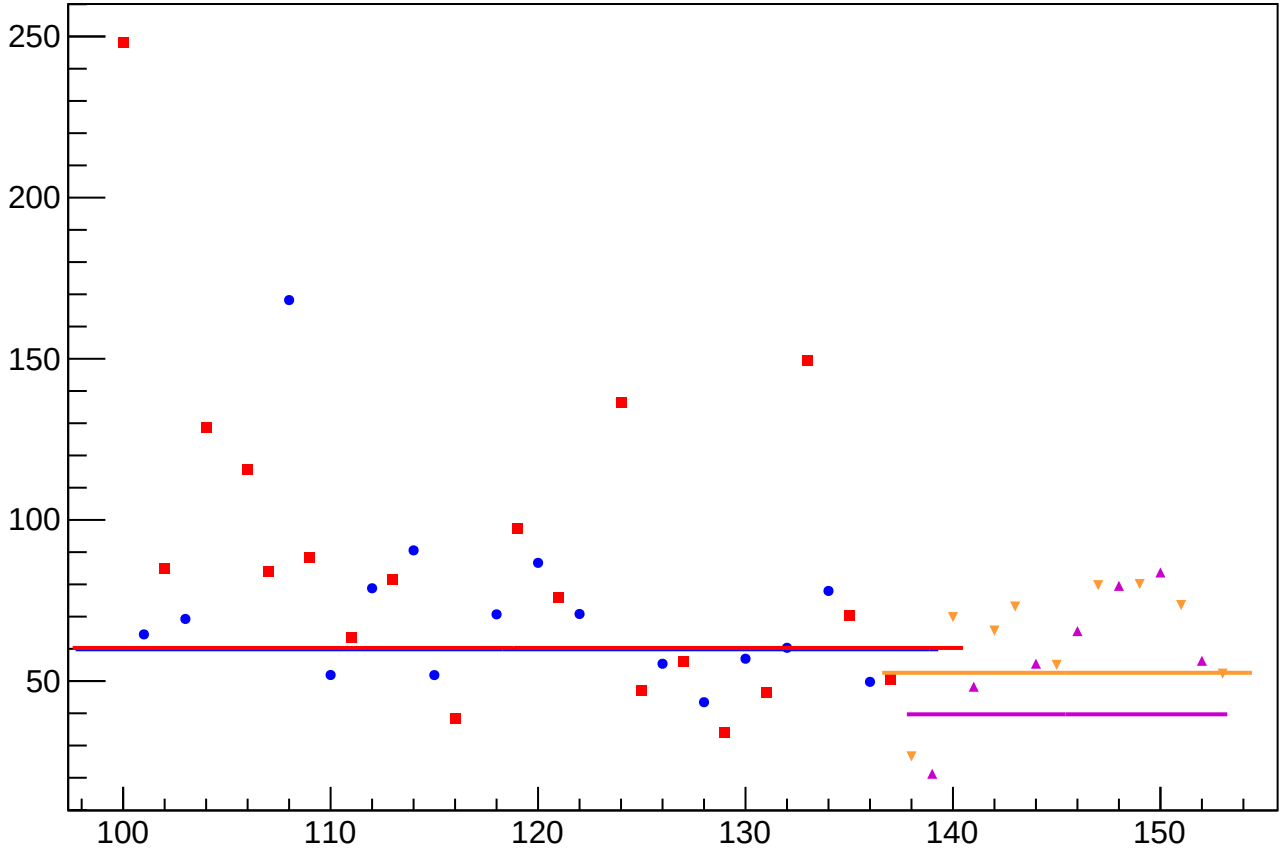
Left In: 0.022+/-0.020 χ^2/NDF:5.0/6

+ sign 0.037+/-0.017 χ^2/NDF: 41.3/24

All: 0.038+/-0.011 χ^2/NDF: 58.0/50

- sign 0.040+/-0.016 χ^2/NDF: 16.7/25

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 52.573+/-0.016 χ^2/NDF:1560606.6/8

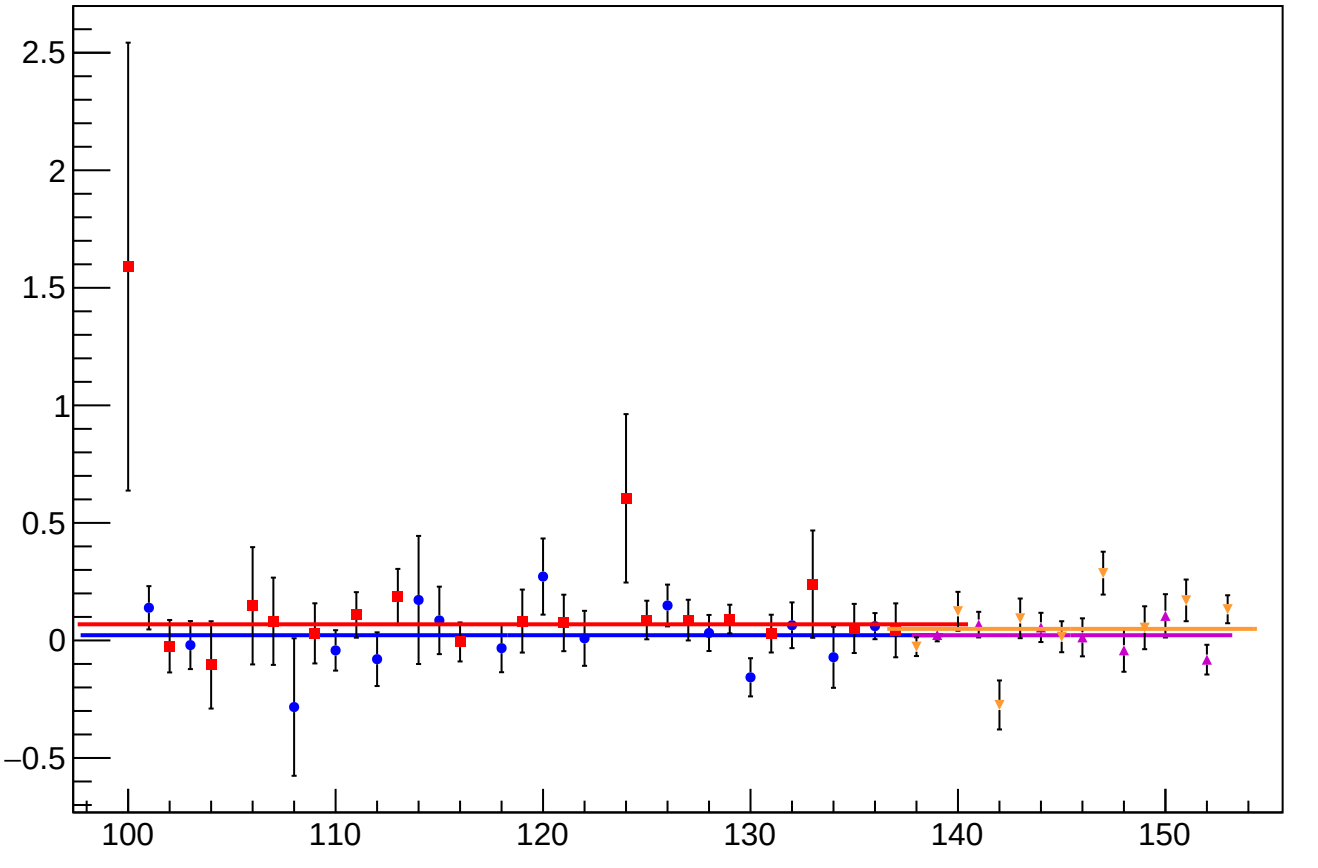
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 39.684+/-0.014 χ^2/NDF:2278341.4/6

+ sign 55.965+/-0.012 χ^2/NDF: 2353138.3/24

All: 51.353+/-0.008 χ^2/NDF: 7714670.8/50

- sign 47.435+/-0.011 χ^2/NDF: 5083544.3/25



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.049+/-0.023 χ^2/NDF:25.2/8

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

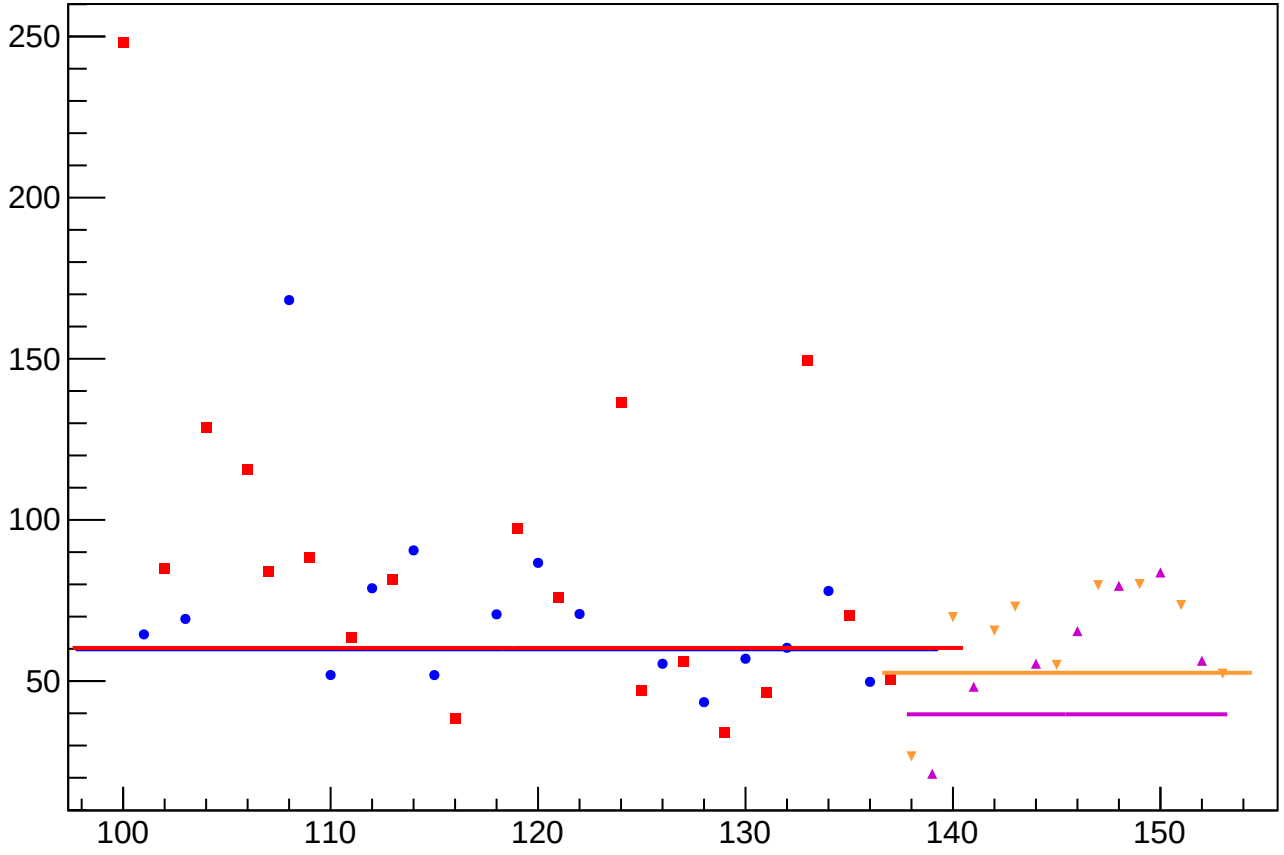
Left In: 0.022+/-0.020 χ^2/NDF:5.0/6

+ sign 0.037+/-0.017 χ^2/NDF: 41.3/24

All: 0.038+/-0.011 χ^2/NDF: 58.0/50

- sign 0.040+/-0.016 χ^2/NDF: 16.7/25

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 52.573+/-0.016 χ^2/NDF:1560606.6/8

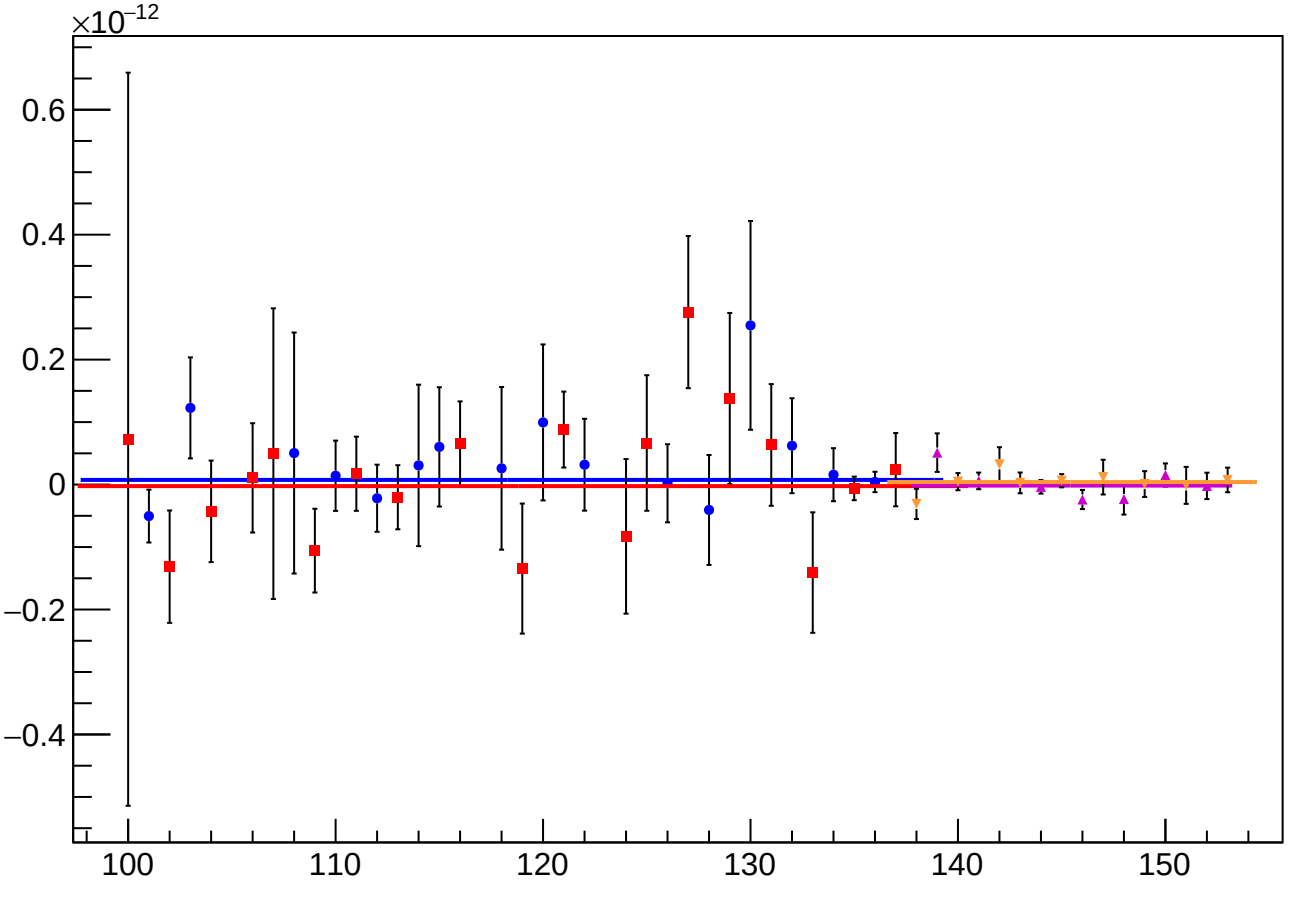
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 39.684+/-0.014 χ^2/NDF:2278341.4/6

+ sign 55.965+/-0.012 χ^2/NDF: 2353138.3/24

All: 51.353+/-0.008 χ^2/NDF: 7714670.8/50

- sign 47.435+/-0.011 χ^2/NDF: 5083544.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/8

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

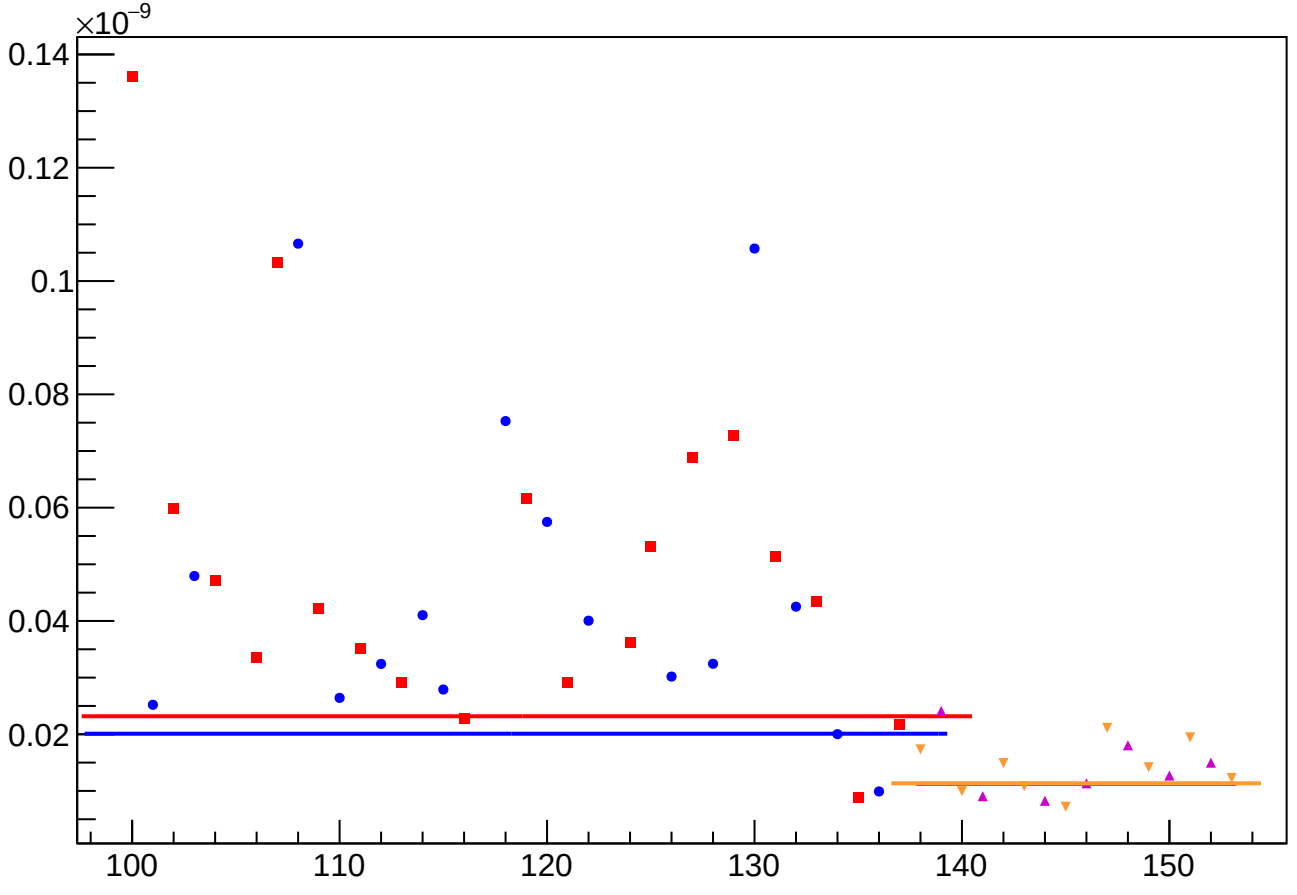
Left In: -0.000+/-0.000 χ^2/NDF:7.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 11.8/24

All: 0.000+/-0.000 χ^2/NDF: 39.1/50

- sign -0.000+/-0.000 χ^2/NDF: 26.6/25

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:922650.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

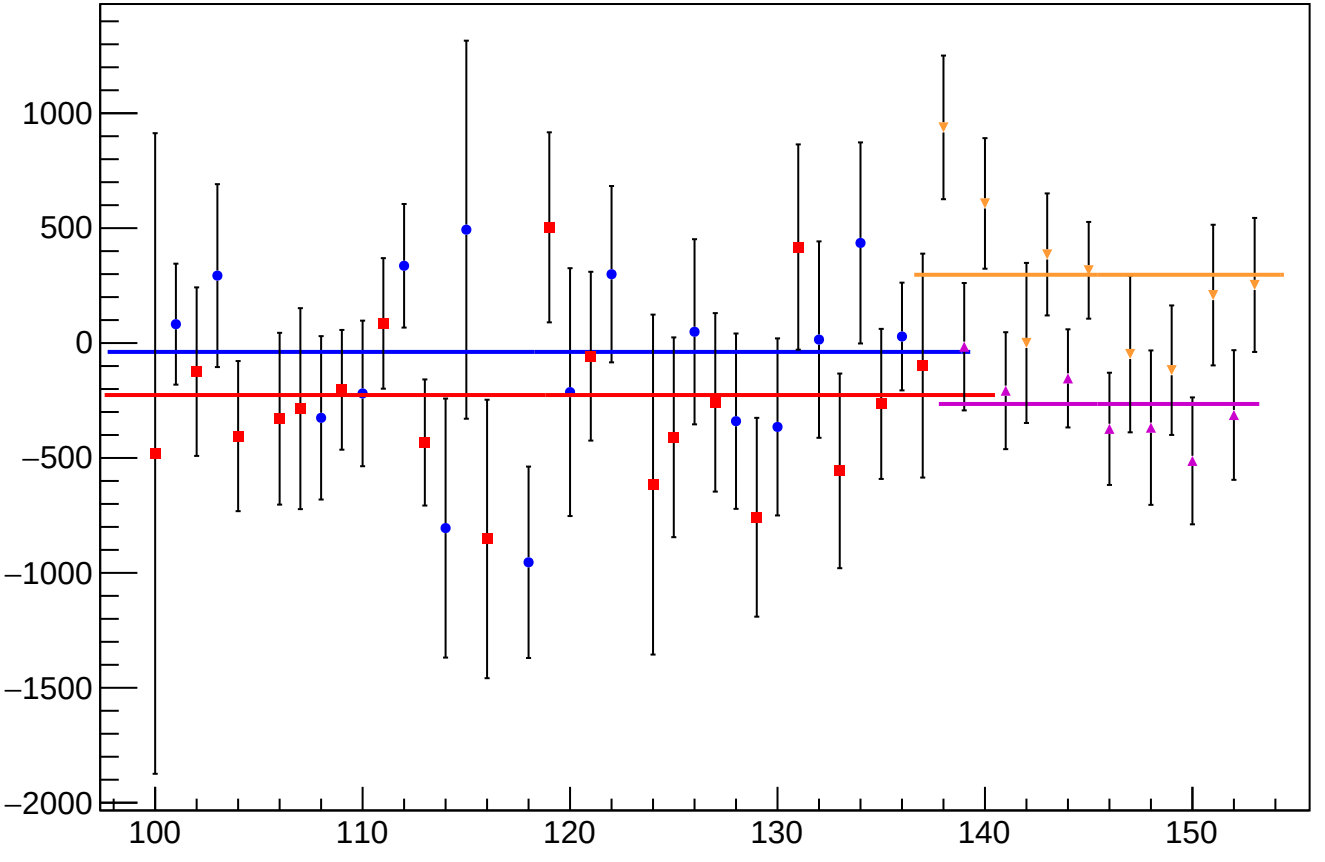
Left In: 0.000+/-0.000 χ^2/NDF:777458.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 4881913.3/24

All: 0.000+/-0.000 χ^2/NDF: 10481972.5/50

- sign 0.000+/-0.000 χ^2/NDF: 5597836.5/25

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 297.145+/-94.796 χ^2/NDF:9.6/8

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

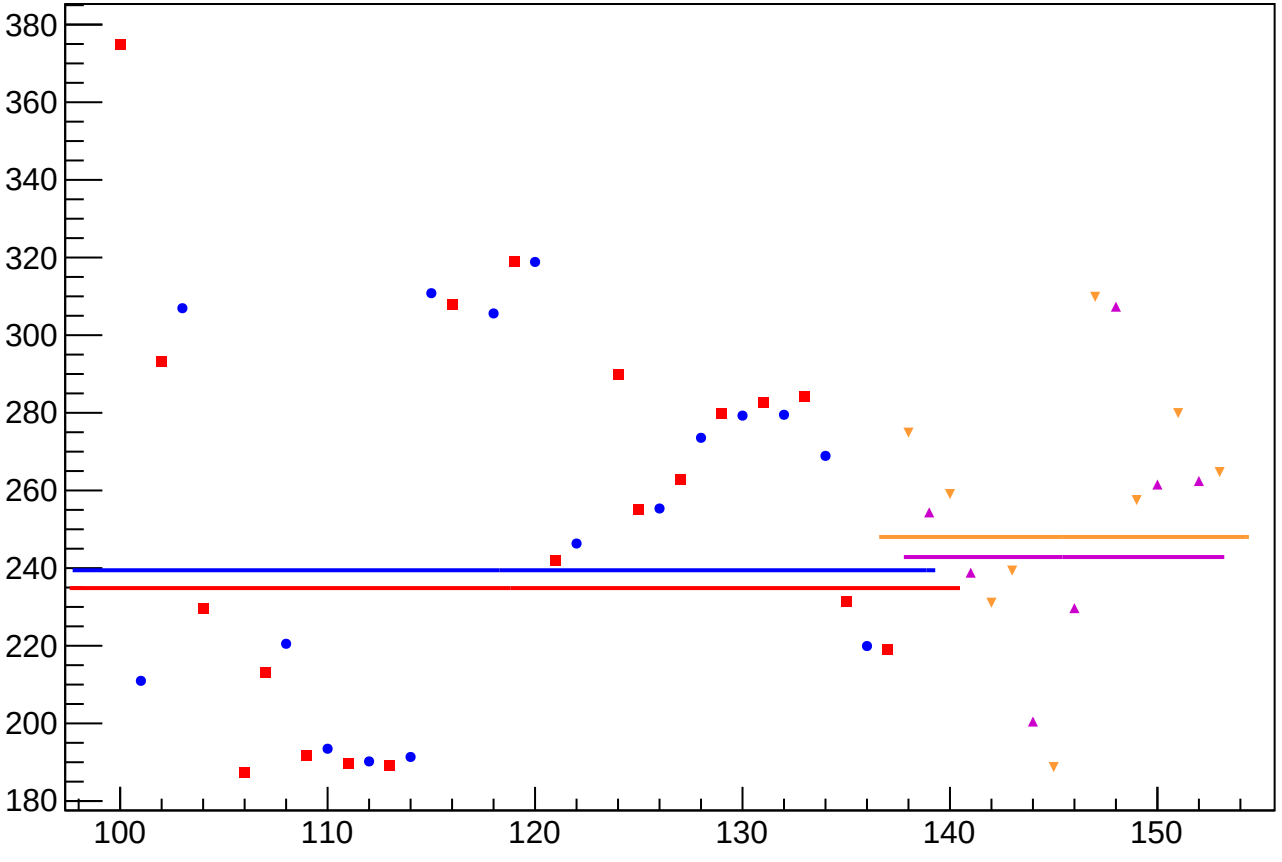
Left In: -265.003+/-99.145 χ^2/NDF:2.3/6

+ sign 121.766+/-65.504 χ^2/NDF: 30.6/24

All: -59.991+/-46.414 χ^2/NDF: 59.8/50

- sign -243.261+/-65.776 χ^2/NDF: 13.8/25

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 248.029+/-0.067 χ^2/NDF:279734.1/8

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

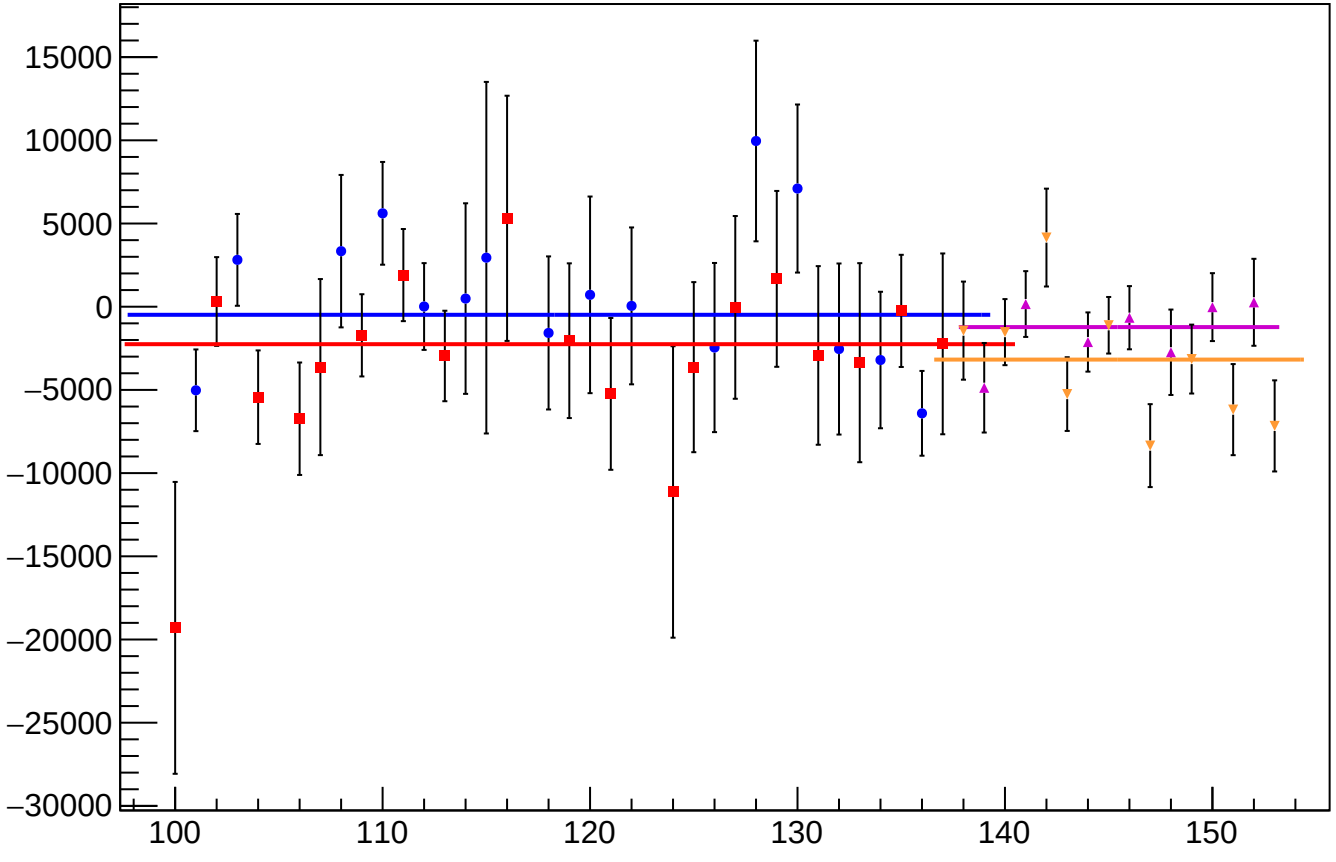
Left In: 242.856+/-0.070 χ^2/NDF:181035.6/6

+ sign 243.546+/-0.046 χ^2/NDF: 689250.4/24

All: 240.972+/-0.033 χ^2/NDF: 1365496.1/50

- sign 238.376+/-0.047 χ^2/NDF: 670043.5/25

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3177.587+/-767.996 χ^2/NDF:17.2/8

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

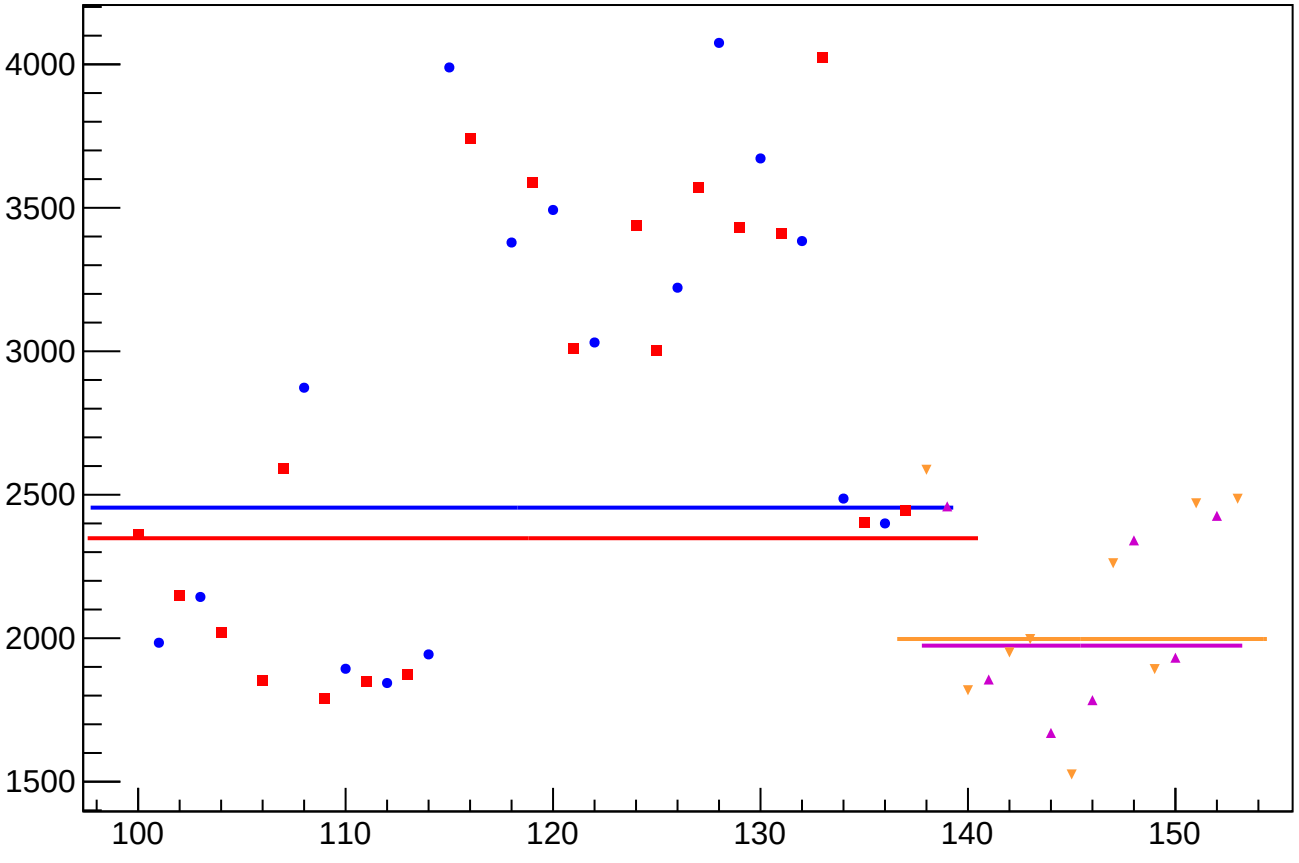
Left In: -1224.319+/-809.697 χ^2/NDF:3.7/6

+ sign -2110.299+/-596.611 χ^2/NDF: 43.2/24

All: -1900.059+/-423.128 χ^2/NDF: 61.8/50

- sign -1687.288+/-600.190 χ^2/NDF: 18.3/25

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1997.270+/-0.543 χ^2/NDF:402021.7/8

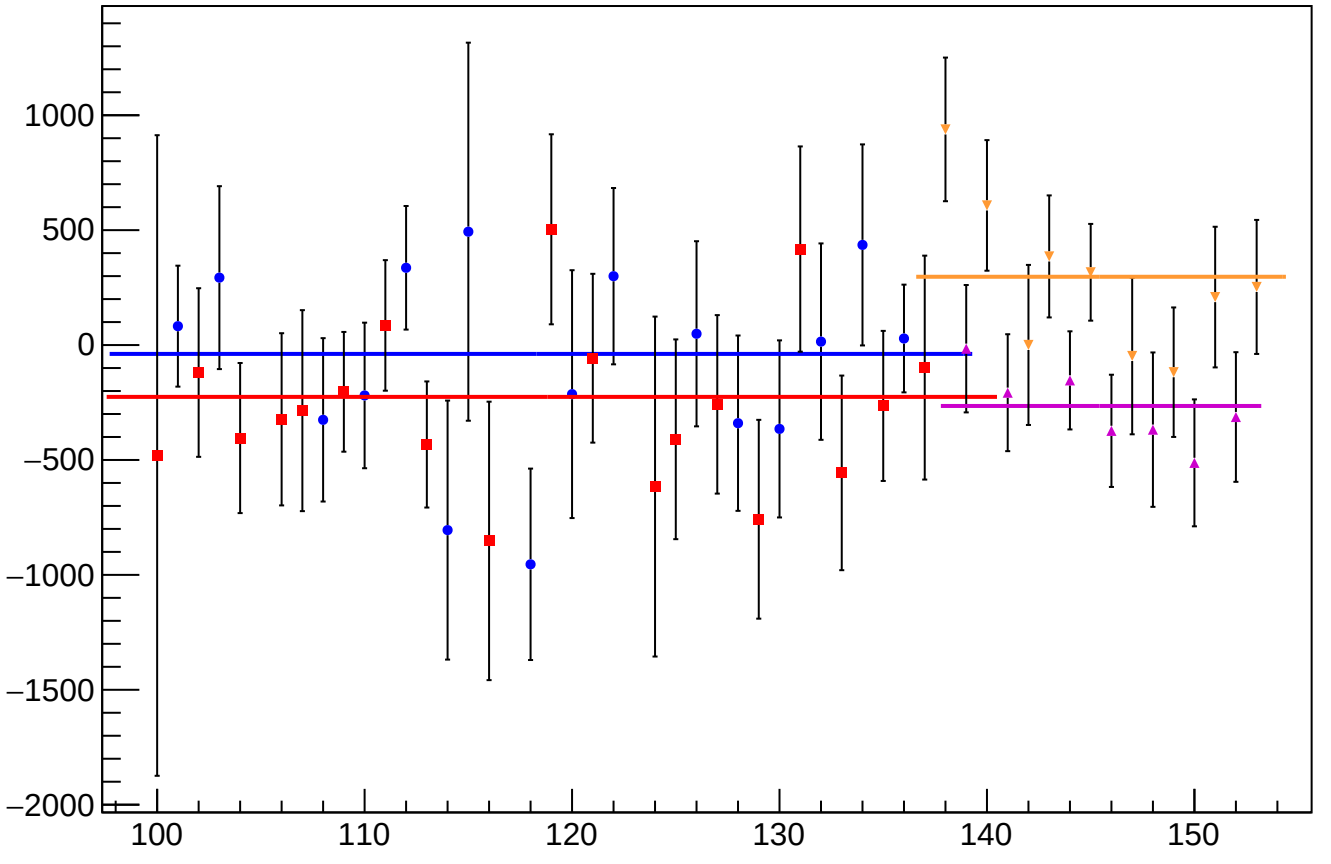
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1974.135+/-0.573 χ^2/NDF:252331.0/6

+ sign 2178.809+/-0.422 χ^2/NDF: 1578241.6/24

All: 2160.901+/-0.299 χ^2/NDF: 3079188.8/50

- sign 2142.779+/-0.424 χ^2/NDF: 1497321.9/25



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 297.170+/-94.796 χ^2/NDF:9.6/8

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

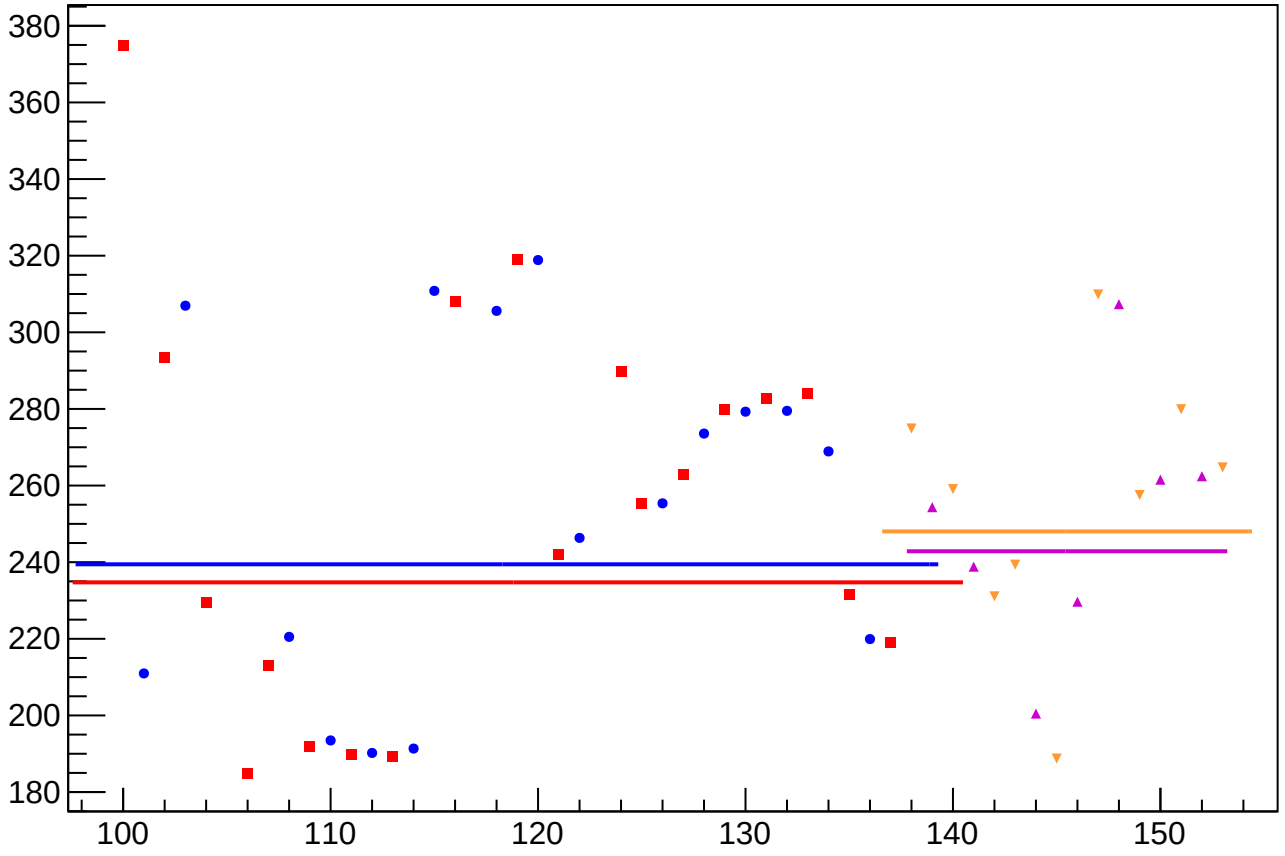
Left In: -265.013+/-99.145 χ^2/NDF:2.3/6

+ sign 121.767+/-65.504 χ^2/NDF: 30.6/24

All: -59.796+/-46.416 χ^2/NDF: 59.8/50

- sign -242.903+/-65.782 χ^2/NDF: 13.8/25

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 248.029+/-0.067 χ^2/NDF:279734.1/8

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

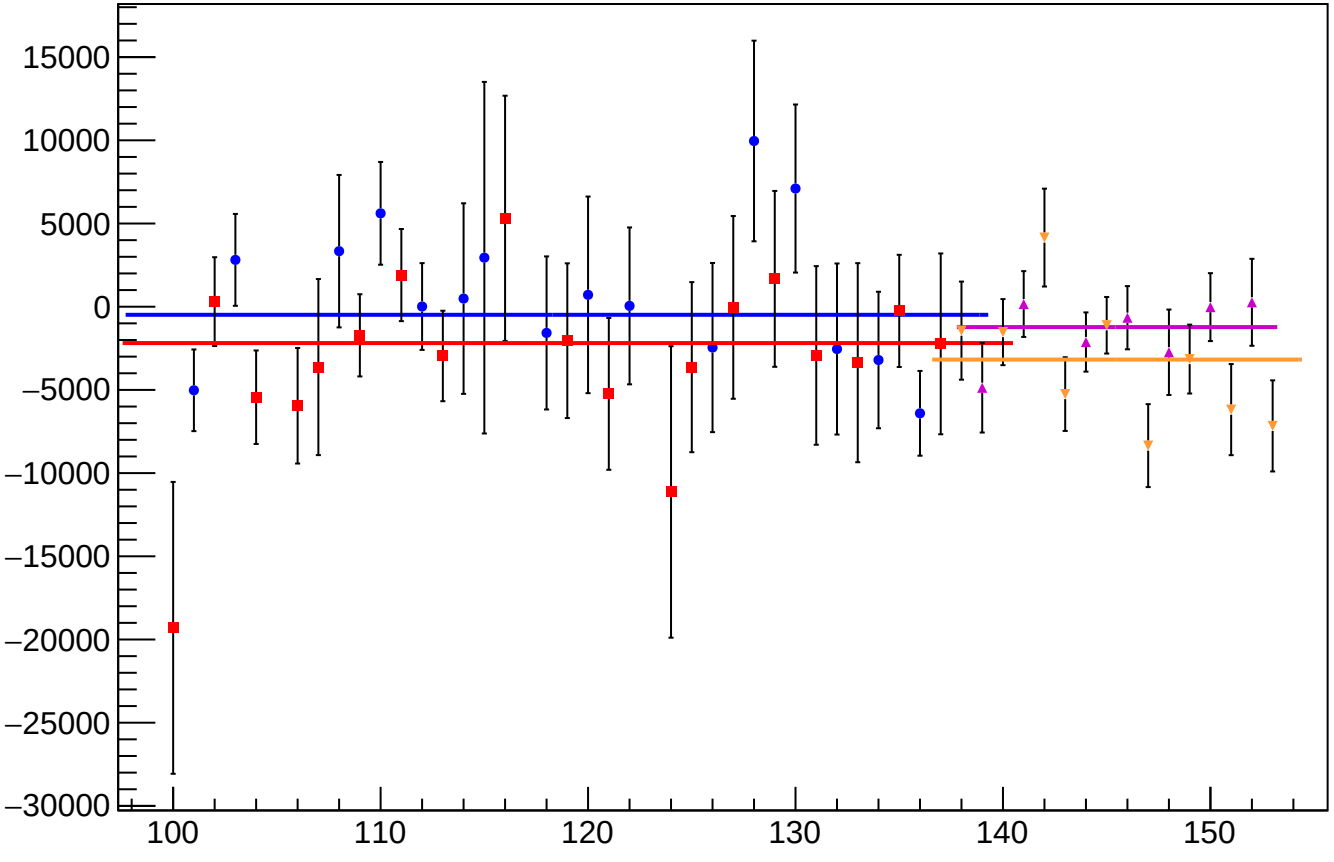
Left In: 242.856+/-0.070 χ^2/NDF:181035.7/6

+ sign 243.546+/-0.046 χ^2/NDF: 689252.6/24

All: 240.938+/-0.033 χ^2/NDF: 1369406.6/50

- sign 238.309+/-0.047 χ^2/NDF: 673789.1/25

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3177.569+/-767.996 χ^2/NDF:17.2/8

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

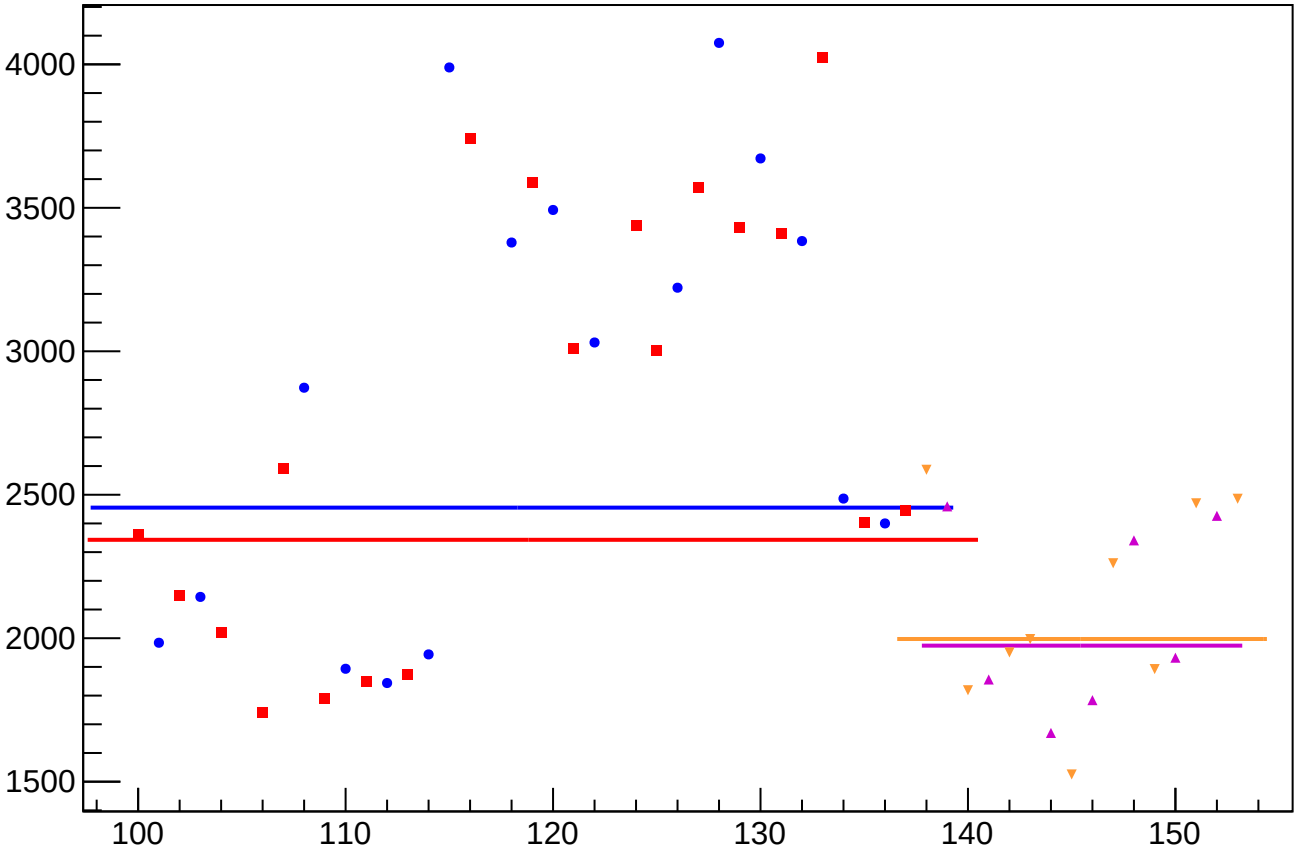
Left In: -1224.339+/-809.697 χ^2/NDF:3.7/6

+ sign -2110.368+/-596.613 χ^2/NDF: 43.2/24

All: -1884.827+/-423.307 χ^2/NDF: 61.1/50

- sign -1656.185+/-600.701 χ^2/NDF: 17.6/25

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1997.270+/-0.543 χ^2/NDF:402024.5/8

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

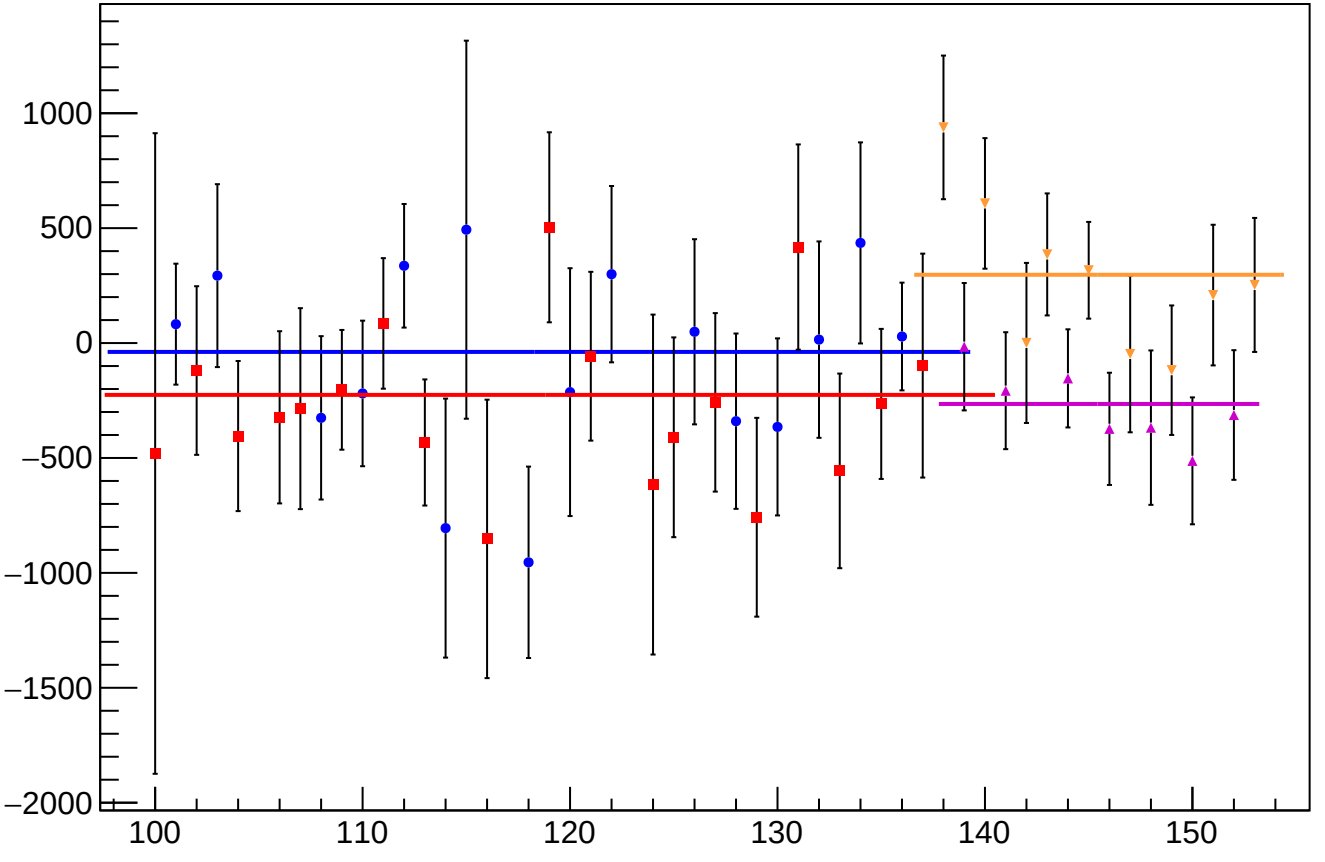
Left In: 1974.136+/-0.573 χ^2/NDF:252329.4/6

+ sign 2178.816+/-0.422 χ^2/NDF: 1578240.7/24

All: 2159.521+/-0.299 χ^2/NDF: 3091742.2/50

- sign 2139.960+/-0.425 χ^2/NDF: 1509288.8/25

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 297.170+/-94.796 χ^2/NDF:9.6/8

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

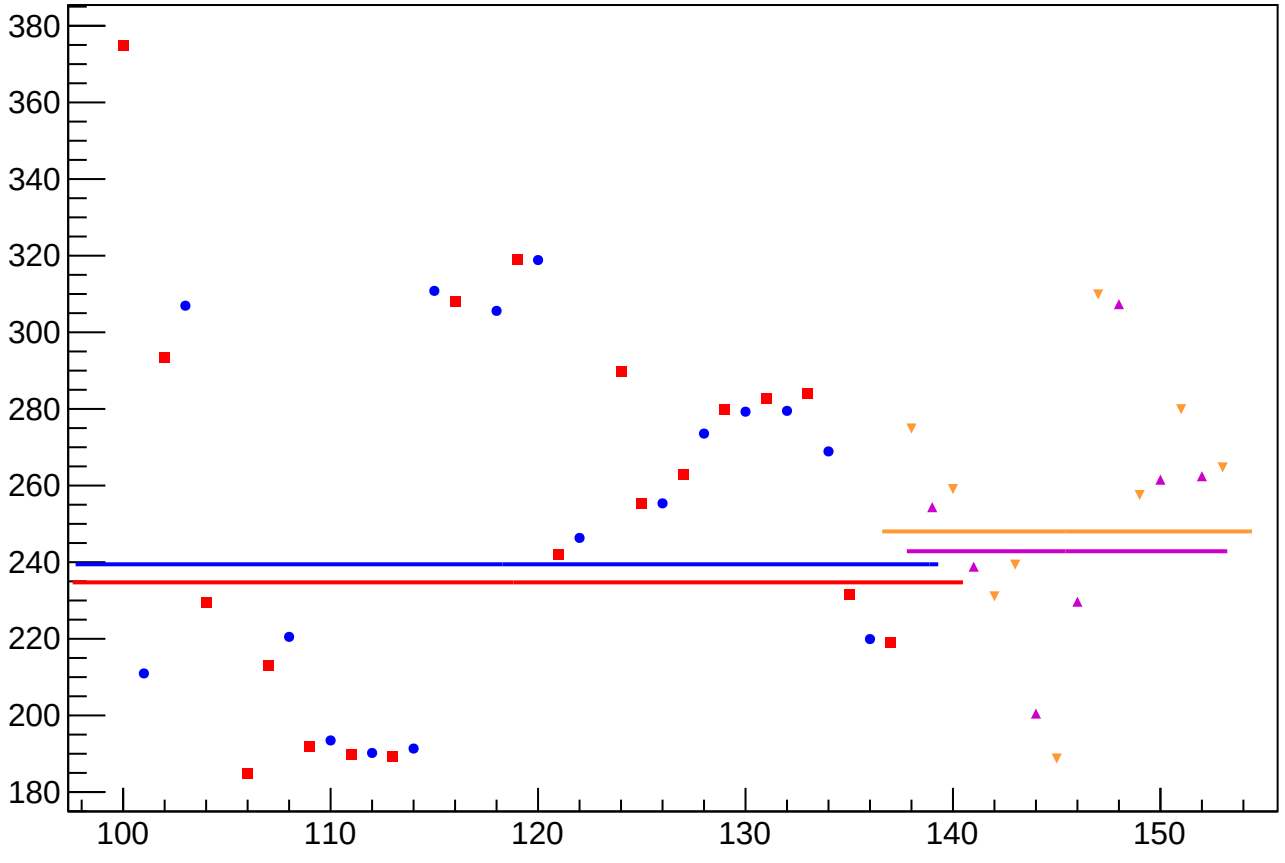
Left In: -265.013+/-99.145 χ^2/NDF:2.3/6

+ sign 121.767+/-65.504 χ^2/NDF: 30.6/24

All: -59.796+/-46.416 χ^2/NDF: 59.8/50

- sign -242.903+/-65.782 χ^2/NDF: 13.8/25

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 248.029+/-0.067 χ^2/NDF:279734.1/8

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

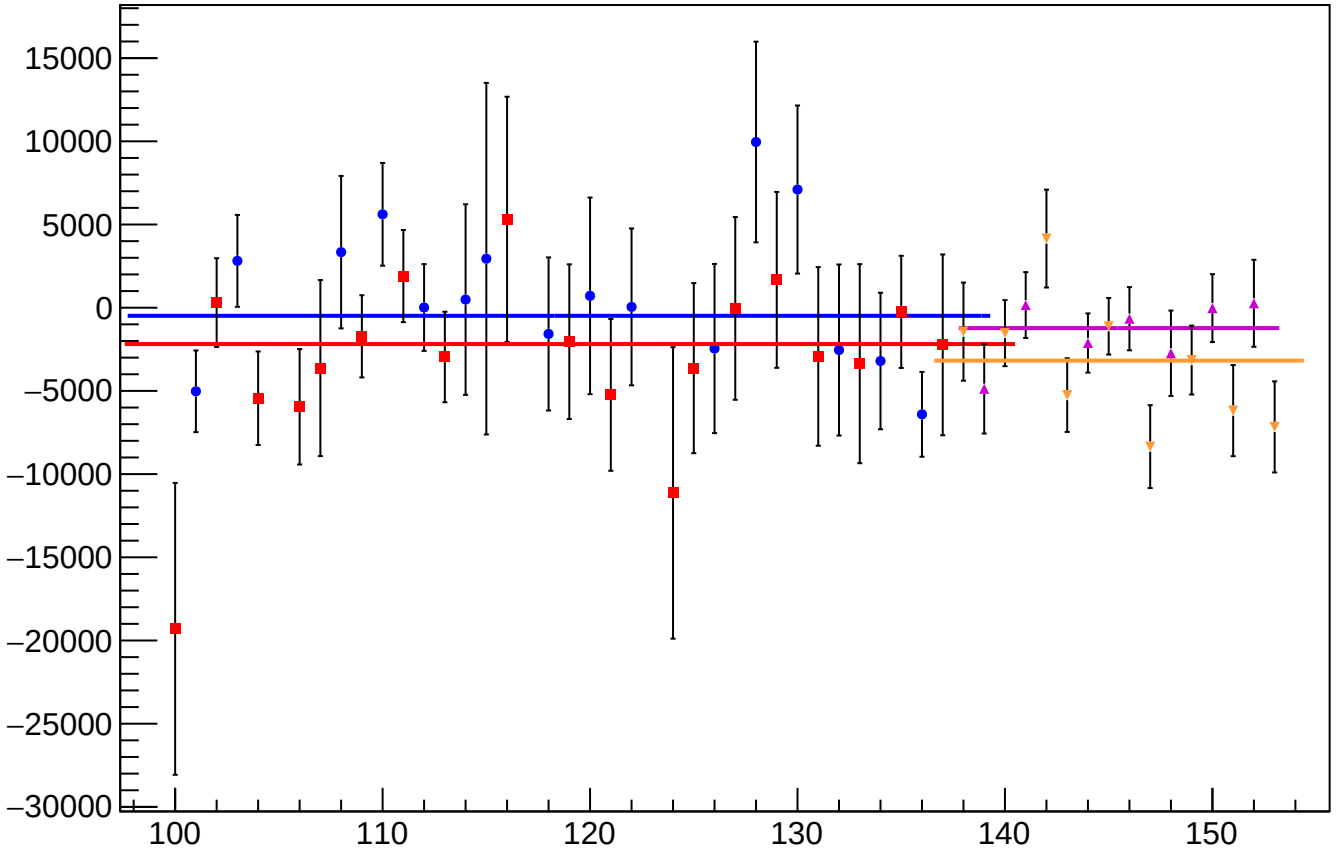
Left In: 242.856+/-0.070 χ^2/NDF:181035.7/6

+ sign 243.546+/-0.046 χ^2/NDF: 689252.6/24

All: 240.938+/-0.033 χ^2/NDF: 1369406.6/50

- sign 238.309+/-0.047 χ^2/NDF: 673789.1/25

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3177.569+/-767.996 χ^2/NDF:17.2/8

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

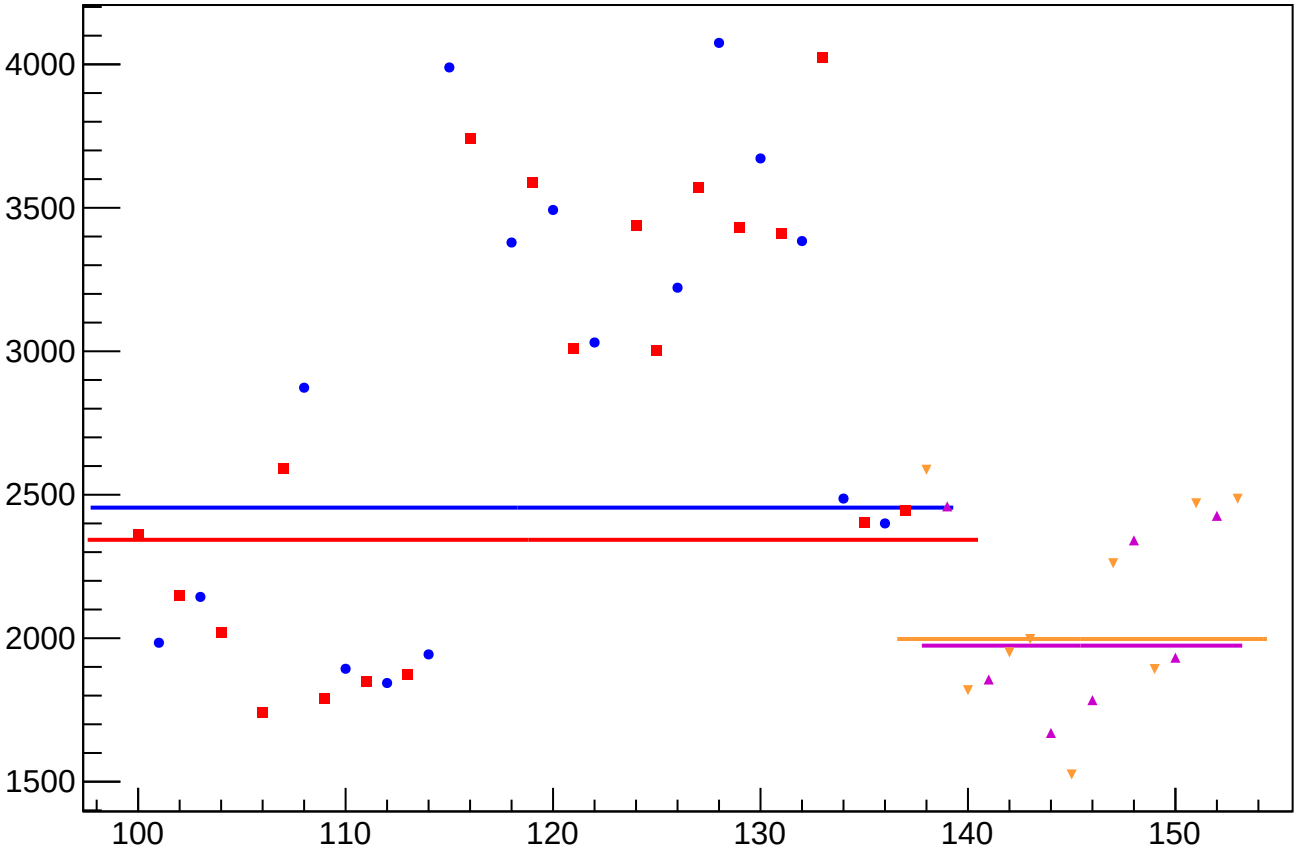
Left In: -1224.339+/-809.697 χ^2/NDF:3.7/6

+ sign -2110.368+/-596.613 χ^2/NDF: 43.2/24

All: -1884.827+/-423.307 χ^2/NDF: 61.1/50

- sign -1656.185+/-600.701 χ^2/NDF: 17.6/25

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1997.270+/-0.543 χ^2/NDF:402024.5/8

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

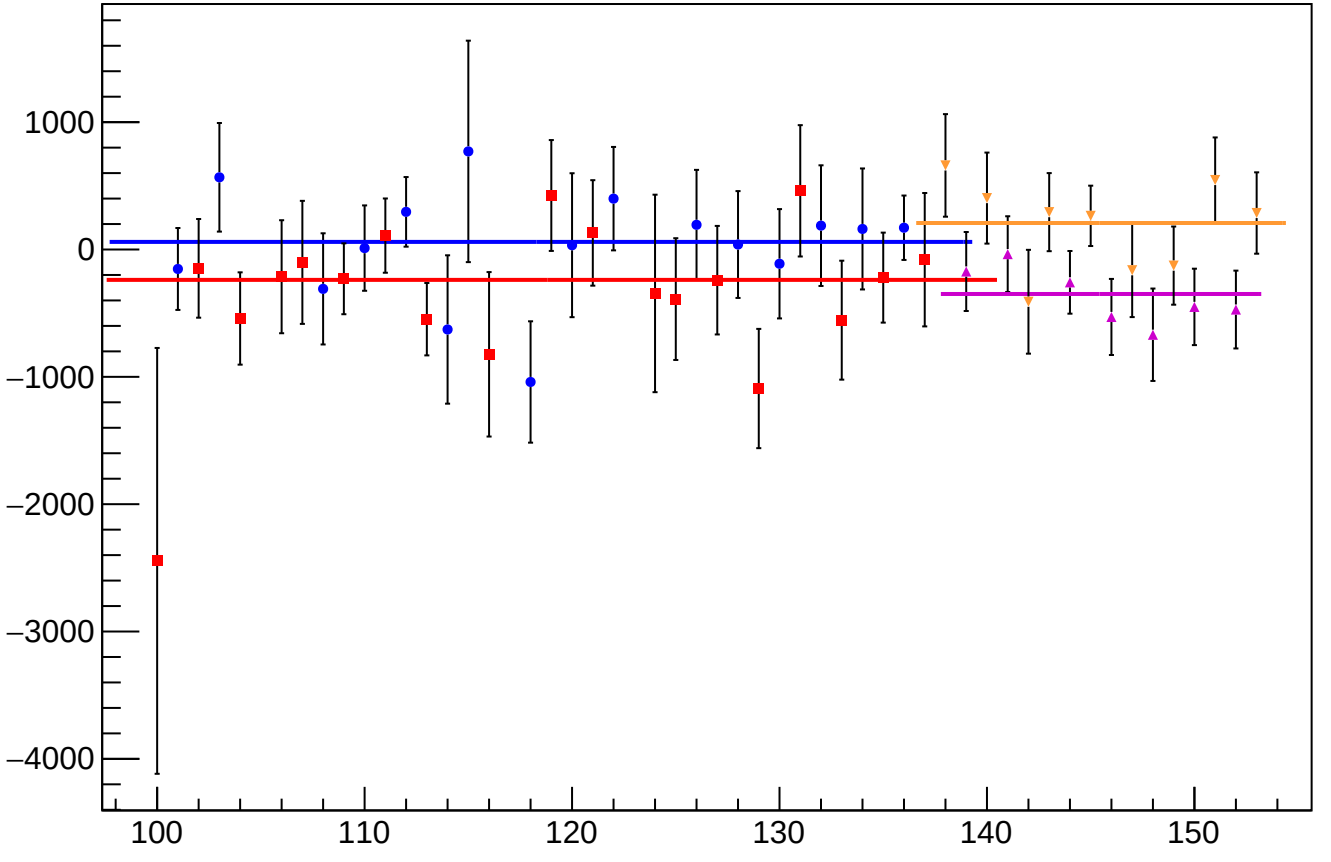
Left In: 1974.136+/-0.573 χ^2/NDF:252329.4/6

+ sign 2178.816+/-0.422 χ^2/NDF: 1578240.7/24

All: 2159.521+/-0.299 χ^2/NDF: 3091742.2/50

- sign 2139.960+/-0.425 χ^2/NDF: 1509288.8/25

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 208.175+/-108.345 χ^2/NDF:7.3/8

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

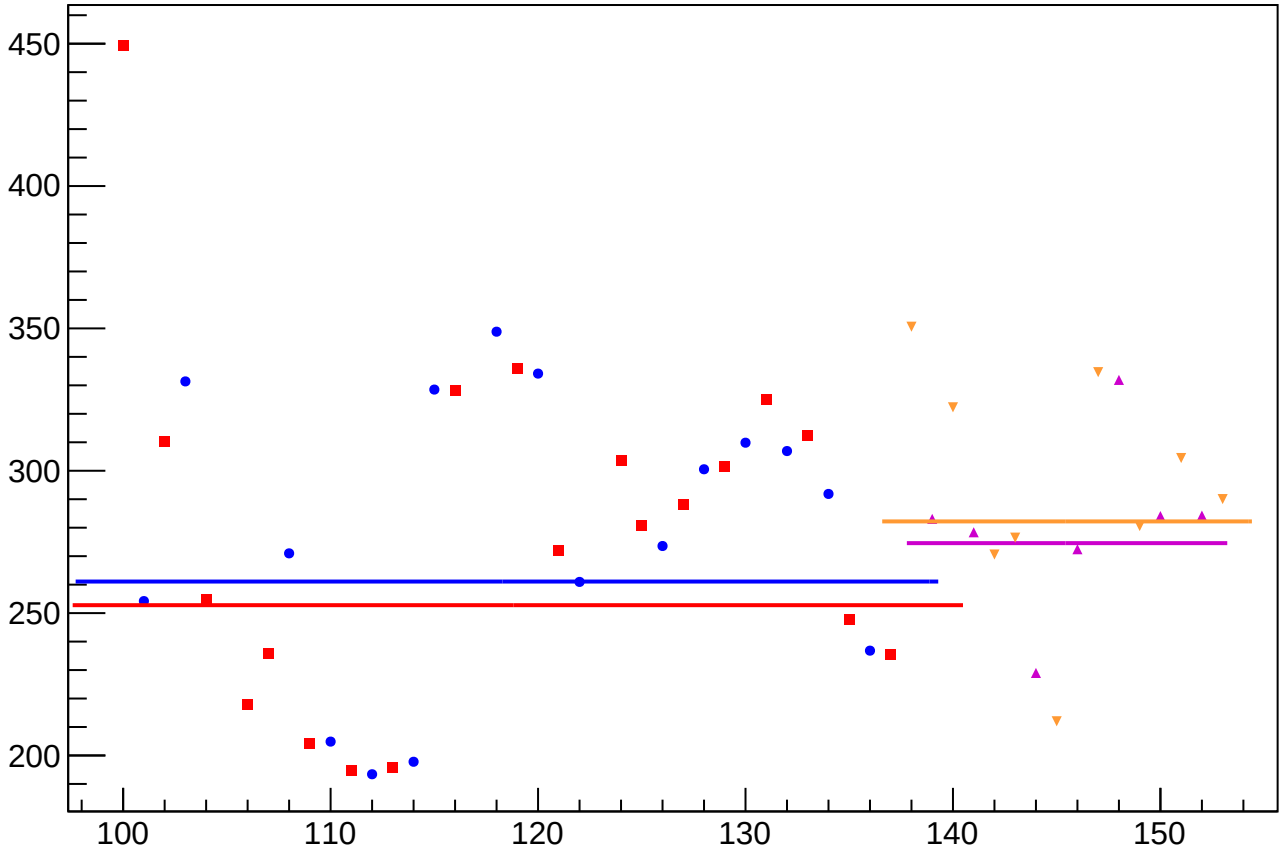
Left In: -349.298+/-112.624 χ^2/NDF:3.0/6

+ sign 127.445+/-73.177 χ^2/NDF: 20.3/24

All: -80.086+/-51.554 χ^2/NDF: 54.8/50

- sign -284.606+/-72.644 χ^2/NDF: 18.5/25

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 282.208+/-0.077 χ^2/NDF:311359.9/8

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

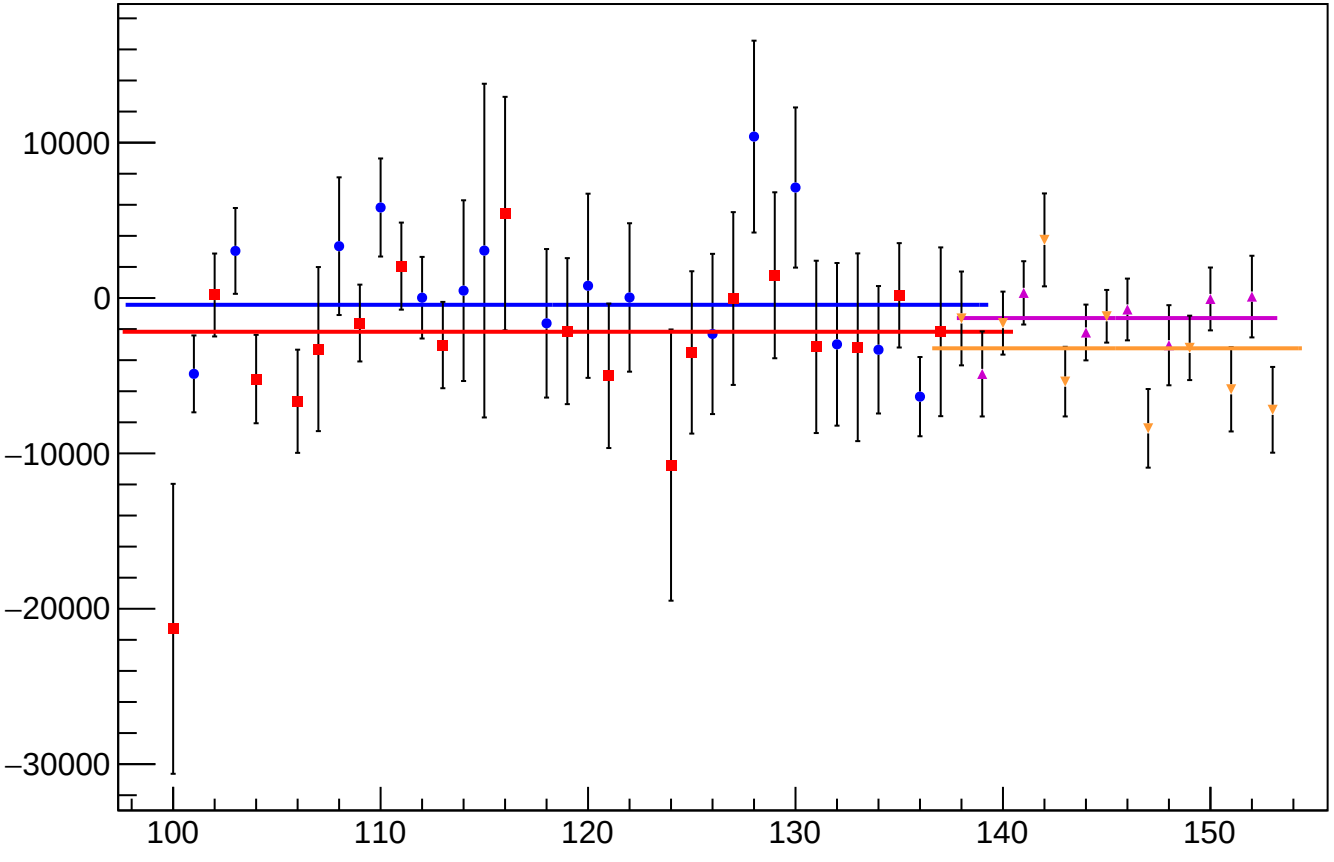
Left In: 274.578+/-0.080 χ^2/NDF:124527.3/6

+ sign 270.723+/-0.052 χ^2/NDF: 815350.0/24

All: 266.256+/-0.036 χ^2/NDF: 1535690.0/50

- sign 261.853+/-0.051 χ^2/NDF: 705540.1/25

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3236.550+/-774.308 χ^2/NDF:16.0/8

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

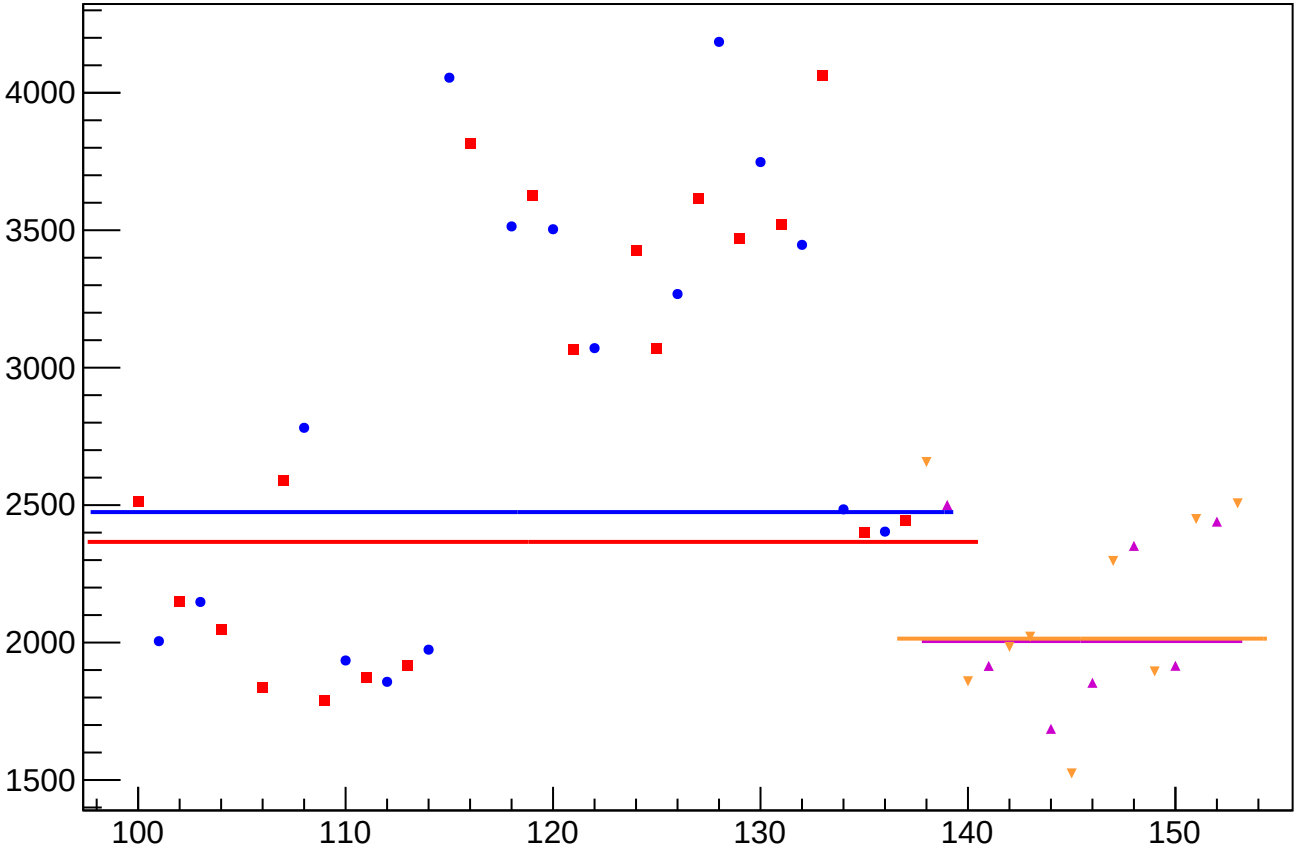
Left In: -1290.318+/-822.737 χ^2/NDF:3.8/6

+ sign -2126.217+/-601.486 χ^2/NDF: 42.4/24

All: -1910.903+/-427.454 χ^2/NDF: 61.0/50

- sign -1691.202+/-607.582 χ^2/NDF: 18.3/25

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2014.295+/-0.548 χ^2/NDF:416484.4/8

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

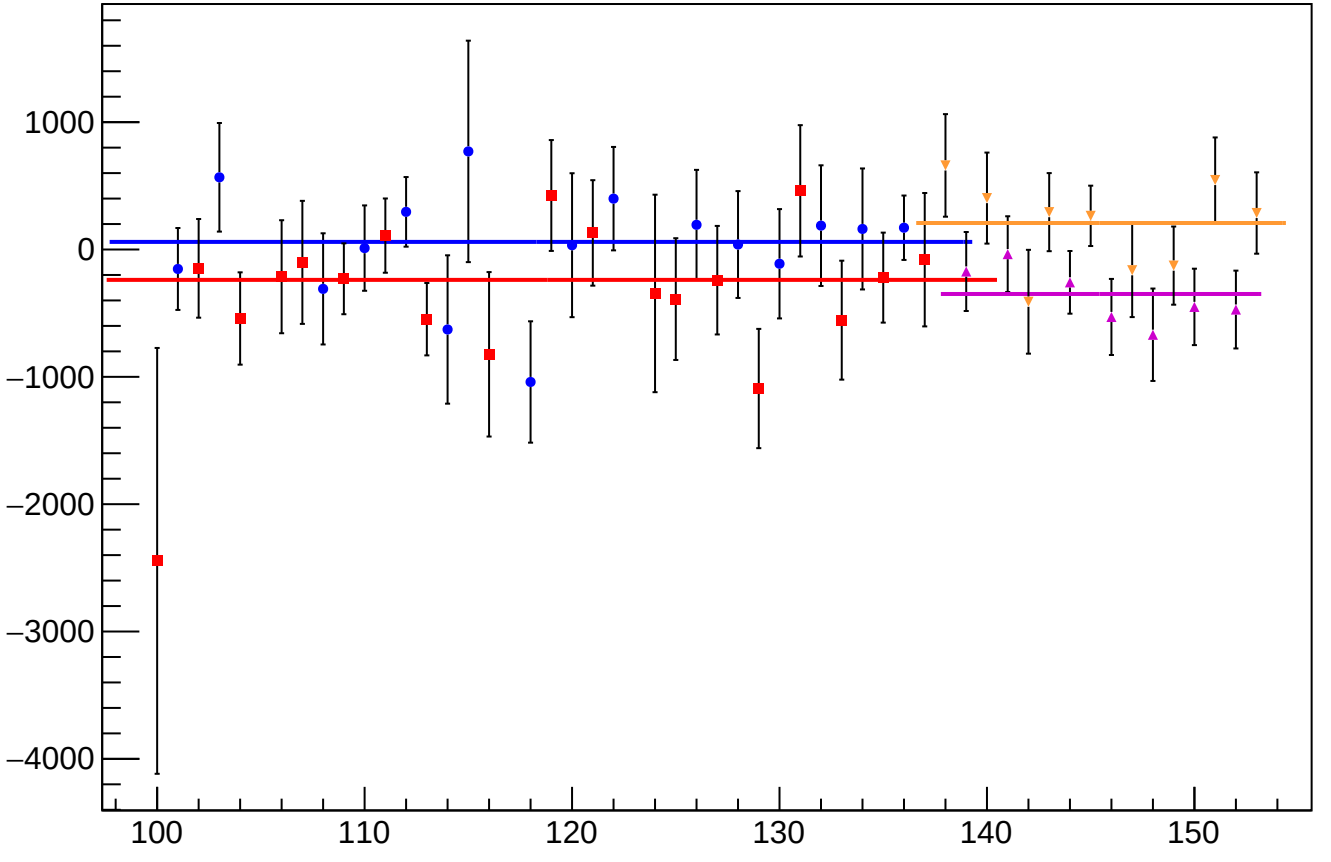
Left In: 2005.472+/-0.582 χ^2/NDF:239073.5/6

+ sign 2196.848+/-0.425 χ^2/NDF: 1613058.7/24

All: 2183.303+/-0.302 χ^2/NDF: 3106172.5/50

- sign 2169.481+/-0.430 χ^2/NDF: 1491064.6/25

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 208.176+/-108.345 χ^2/NDF:7.3/8

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

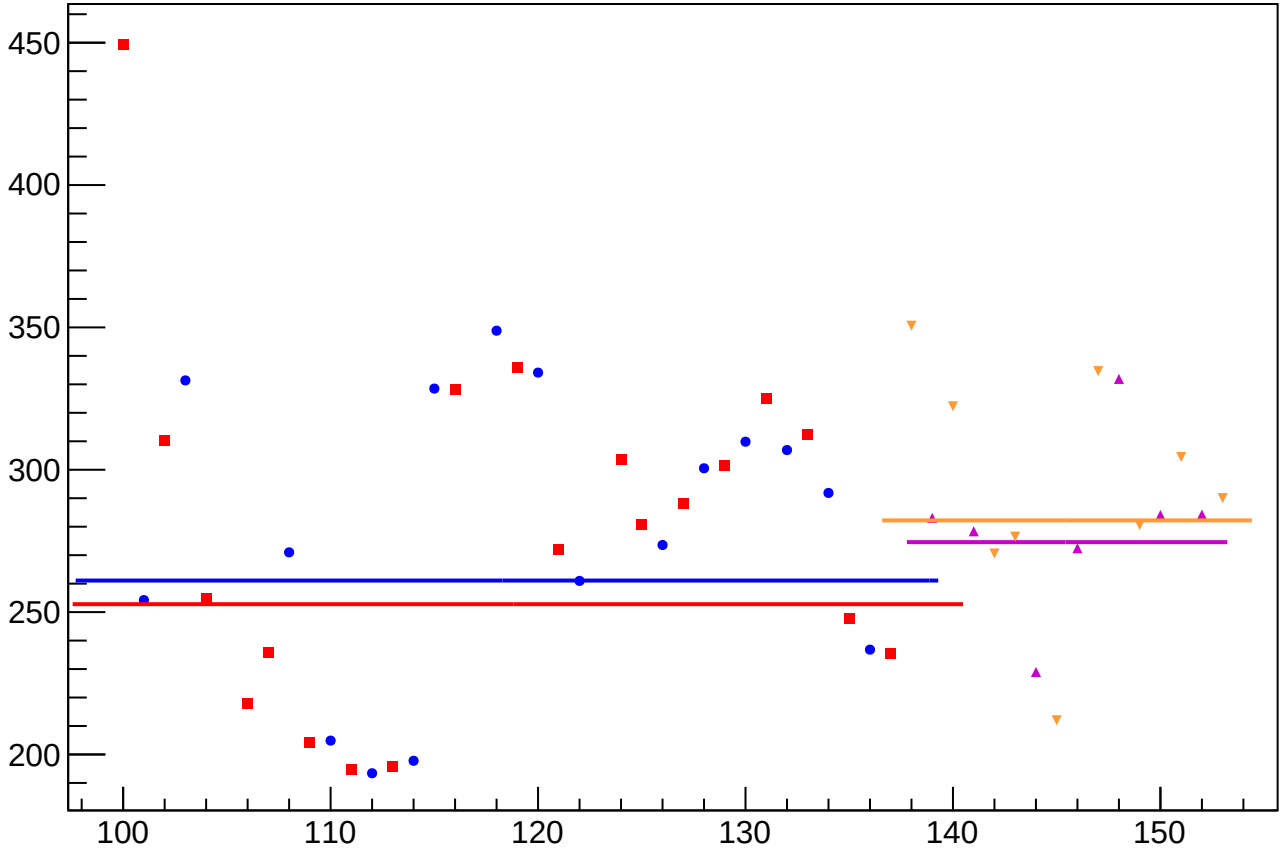
Left In: -349.301+/-112.624 χ^2/NDF:3.0/6

\+ sign 127.448+/-73.177 χ^2/NDF: 20.3/24

All: -80.085+/-51.554 χ^2/NDF: 54.8/50

\- sign -284.607+/-72.644 χ^2/NDF: 18.5/25

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 282.209+/-0.077 χ^2/NDF:311355.0/8

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

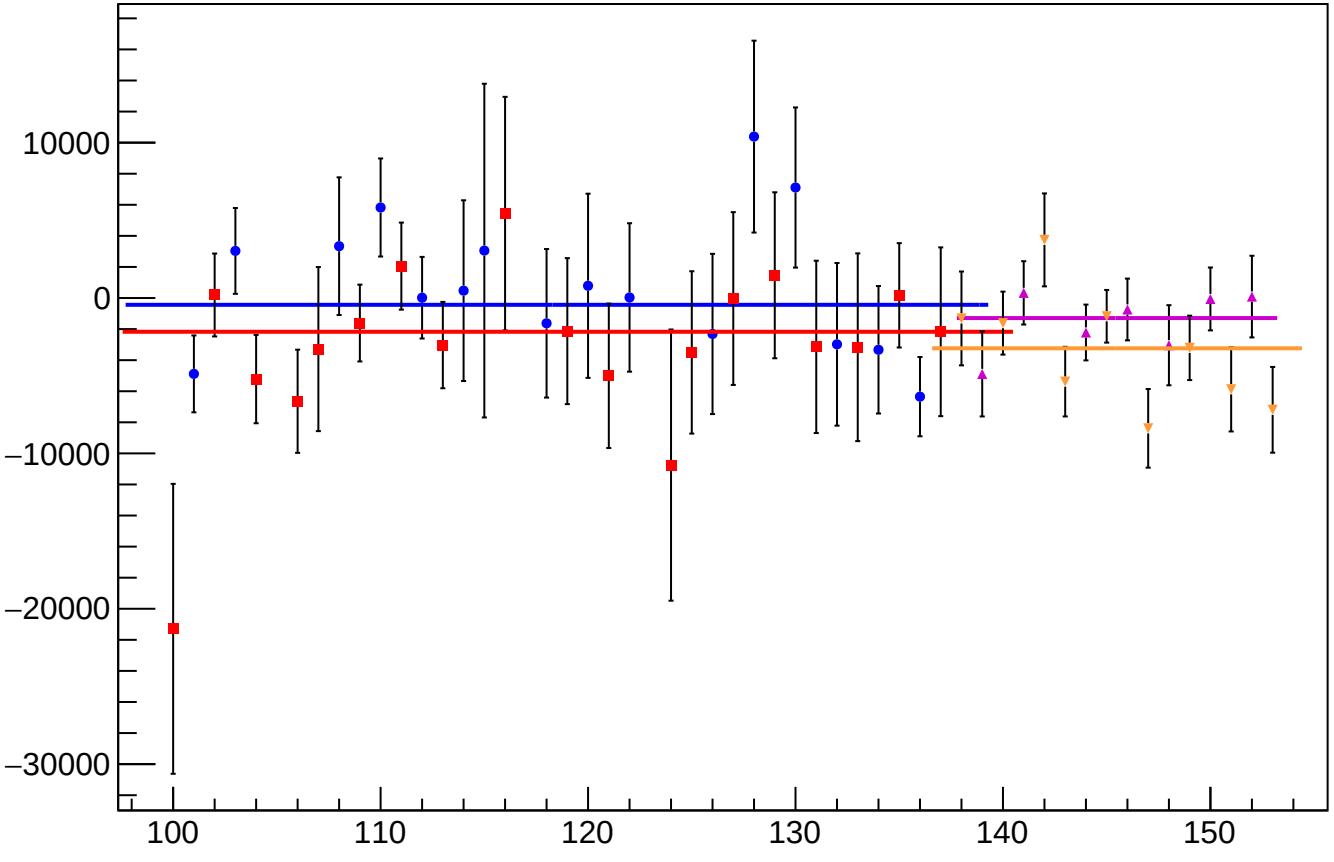
Left In: 274.578+/-0.080 χ^2/NDF:124525.3/6

+ sign 270.723+/-0.052 χ^2/NDF: 815349.6/24

All: 266.256+/-0.036 χ^2/NDF: 1535692.9/50

- sign 261.853+/-0.051 χ^2/NDF: 705543.2/25

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3236.546+/-774.307 χ^2/NDF:16.0/8

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

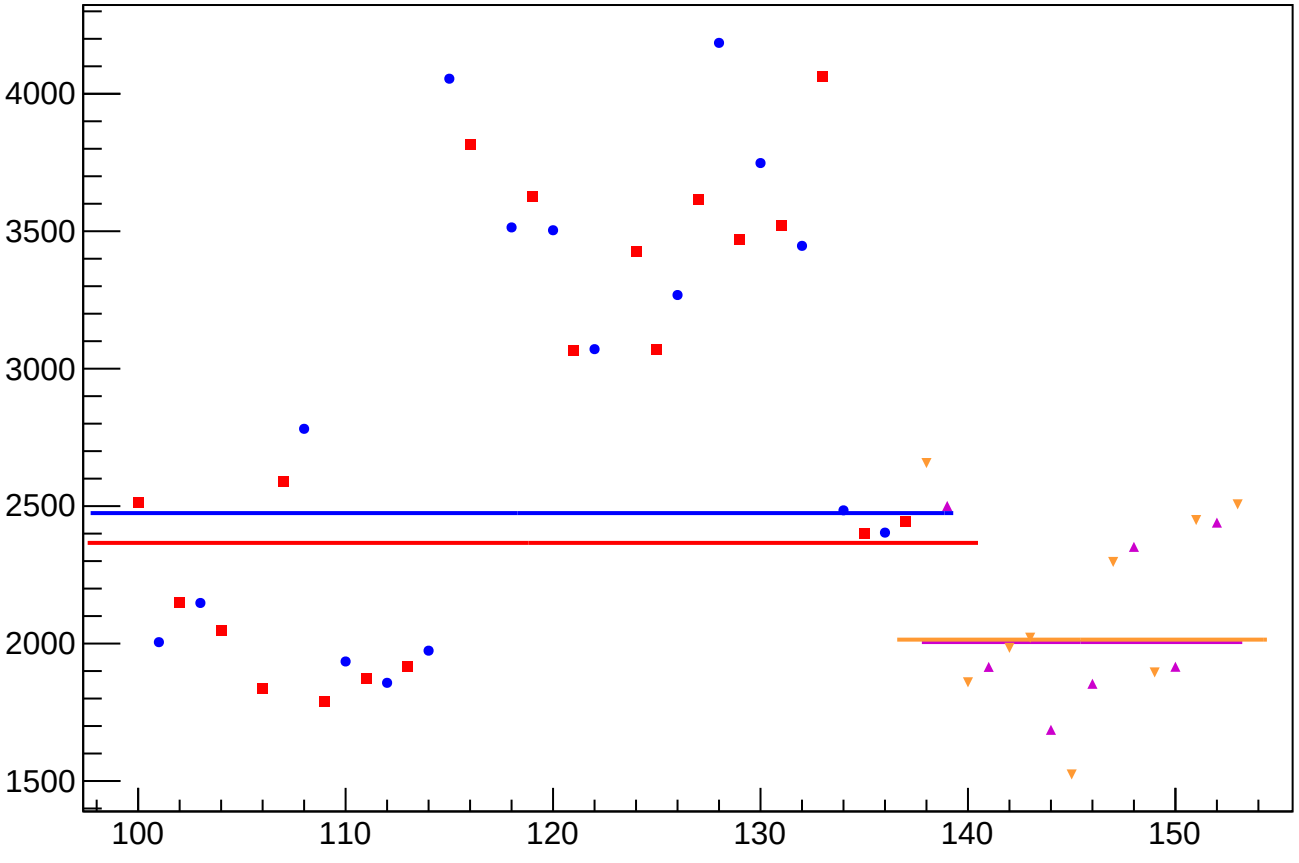
Left In: -1290.318+/-822.737 χ^2/NDF:3.8/6

+ sign -2126.215+/-601.486 χ^2/NDF: 42.4/24

All: -1910.901+/-427.454 χ^2/NDF: 61.0/50

- sign -1691.202+/-607.582 χ^2/NDF: 18.3/25

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2014.293+/-0.548 χ^2/NDF:416487.5/8

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

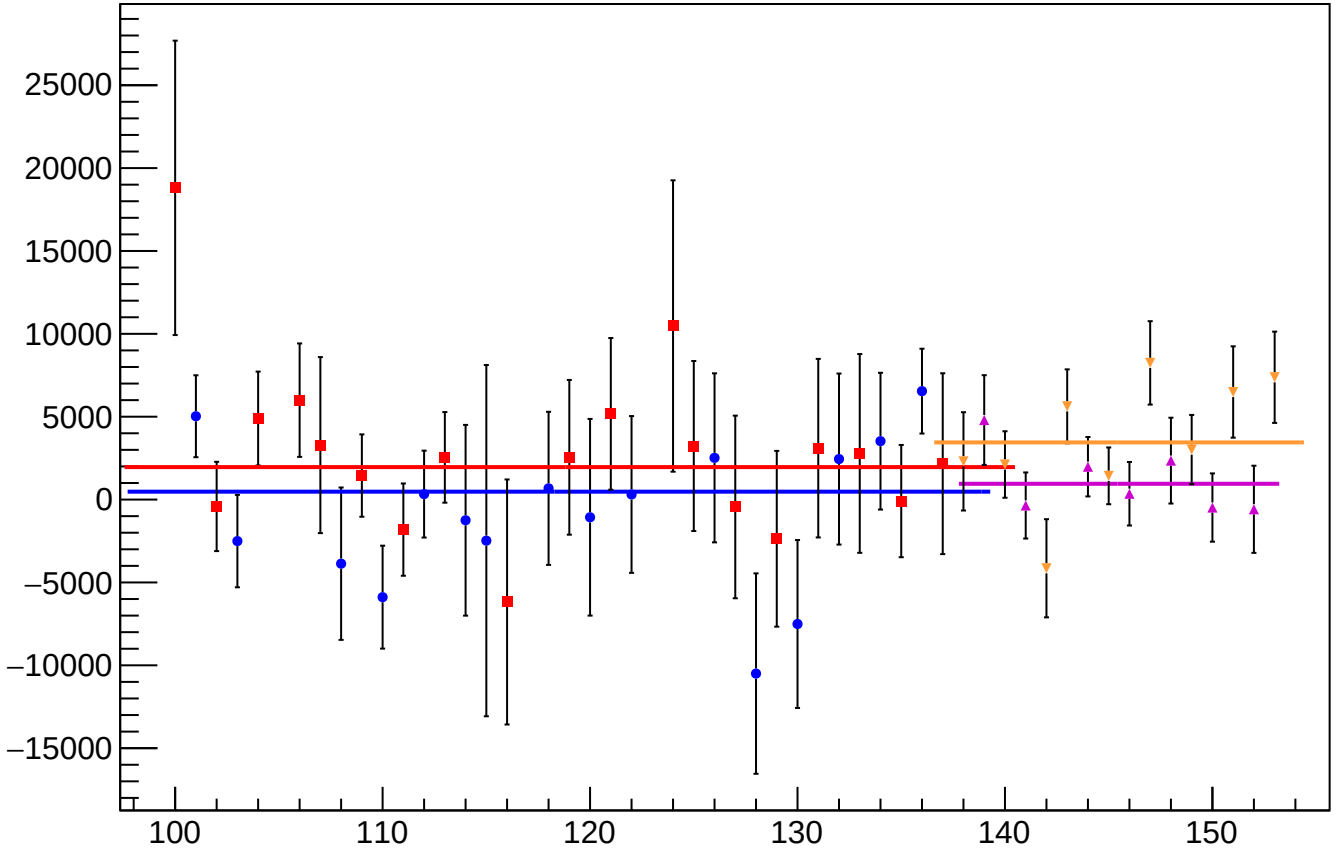
Left In: 2005.471+/-0.582 χ^2/NDF:239072.6/6

+ sign 2196.846+/-0.425 χ^2/NDF: 1613066.1/24

All: 2183.301+/-0.302 χ^2/NDF: 3106180.5/50

- sign 2169.480+/-0.430 χ^2/NDF: 1491065.3/25

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3449.406+/-774.168 χ^2/NDF:16.4/8

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

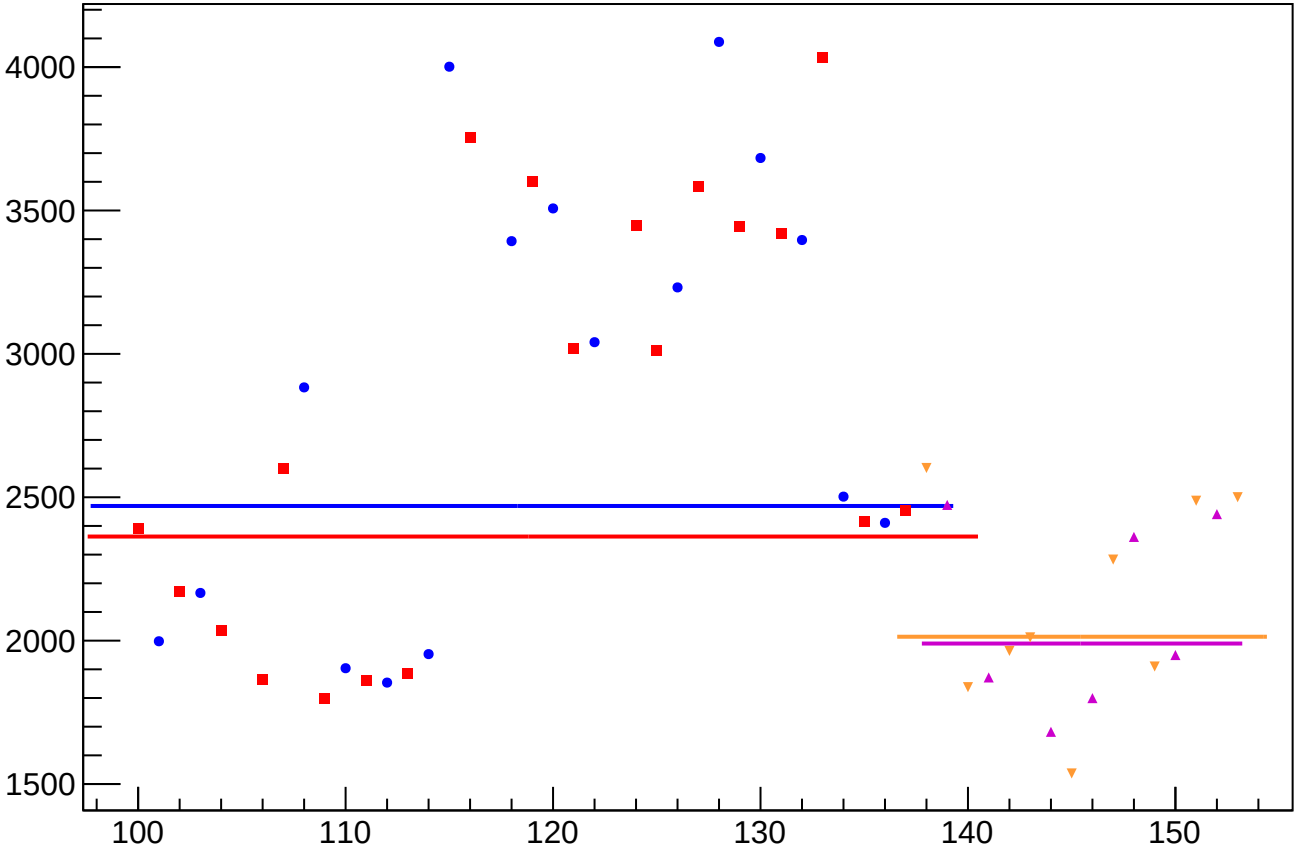
Left In: 953.201+/-816.056 χ^2/NDF:4.0/6

+ sign 2267.447+/-600.825 χ^2/NDF: 44.4/24

All: 1840.014+/-426.124 χ^2/NDF: 63.0/50

- sign 1407.404+/-604.452 χ^2/NDF: 17.5/25

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2013.660+/-0.547 χ^2/NDF:399145.8/8

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

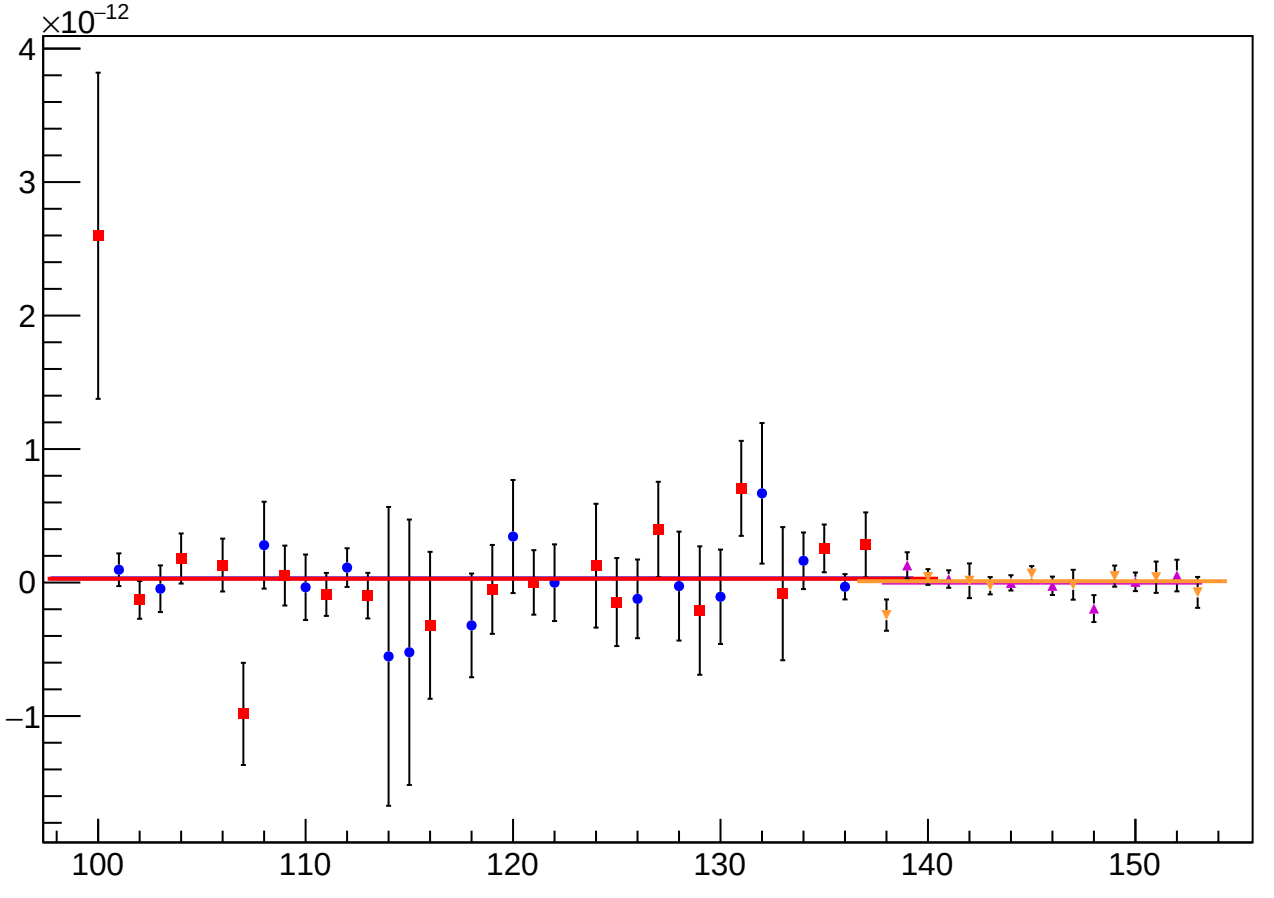
Left In: 1989.913+/-0.577 χ^2/NDF:250548.9/6

+ sign 2194.994+/-0.425 χ^2/NDF: 1561246.6/24

All: 2176.775+/-0.301 χ^2/NDF: 3047578.3/50

- sign 2158.335+/-0.427 χ^2/NDF: 1482631.2/25

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/8

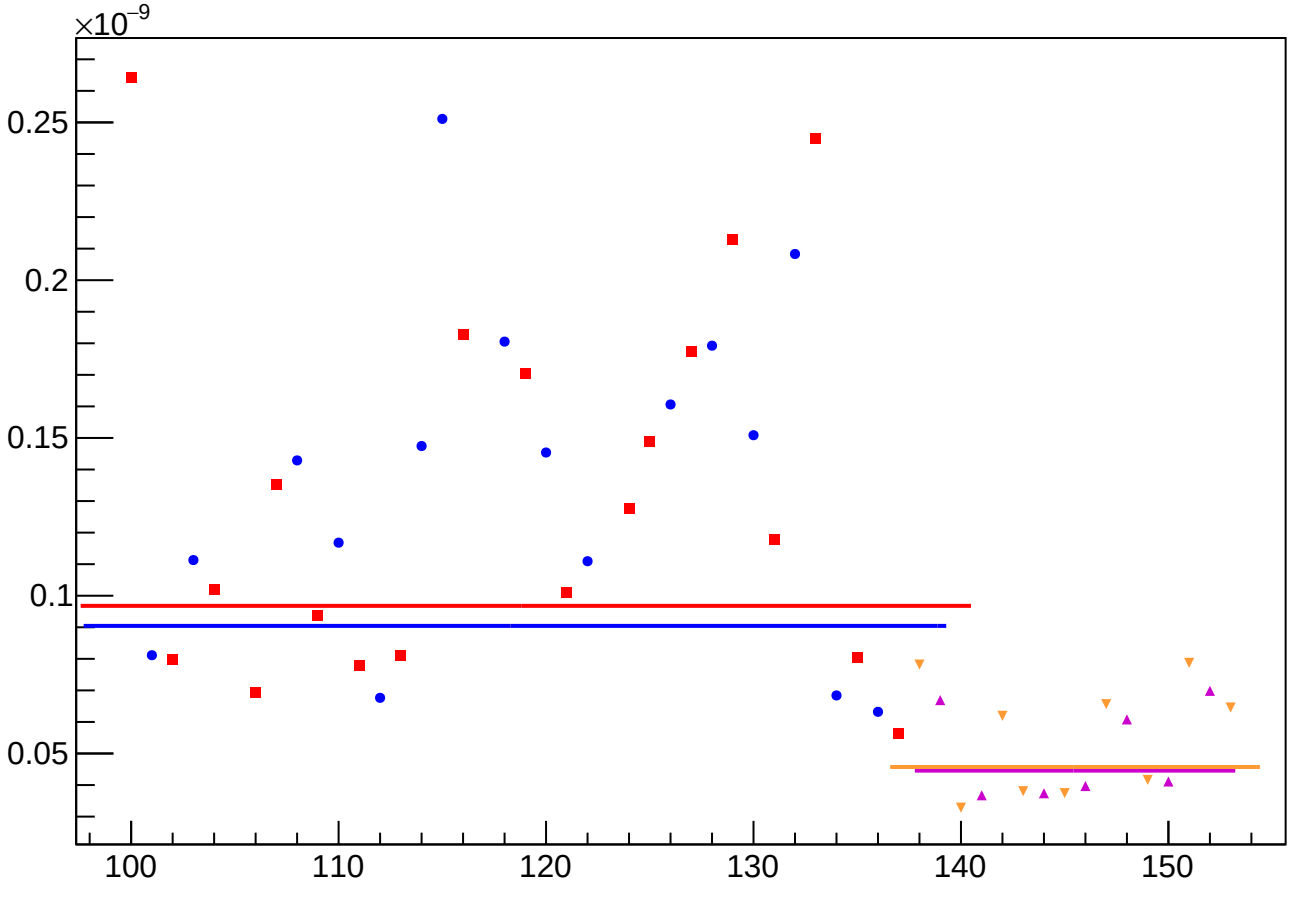
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 13.4/24

All: 0.000+/-0.000 χ^2/NDF: 42.8/50

- sign 0.000+/-0.000 χ^2/NDF: 29.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:630113.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

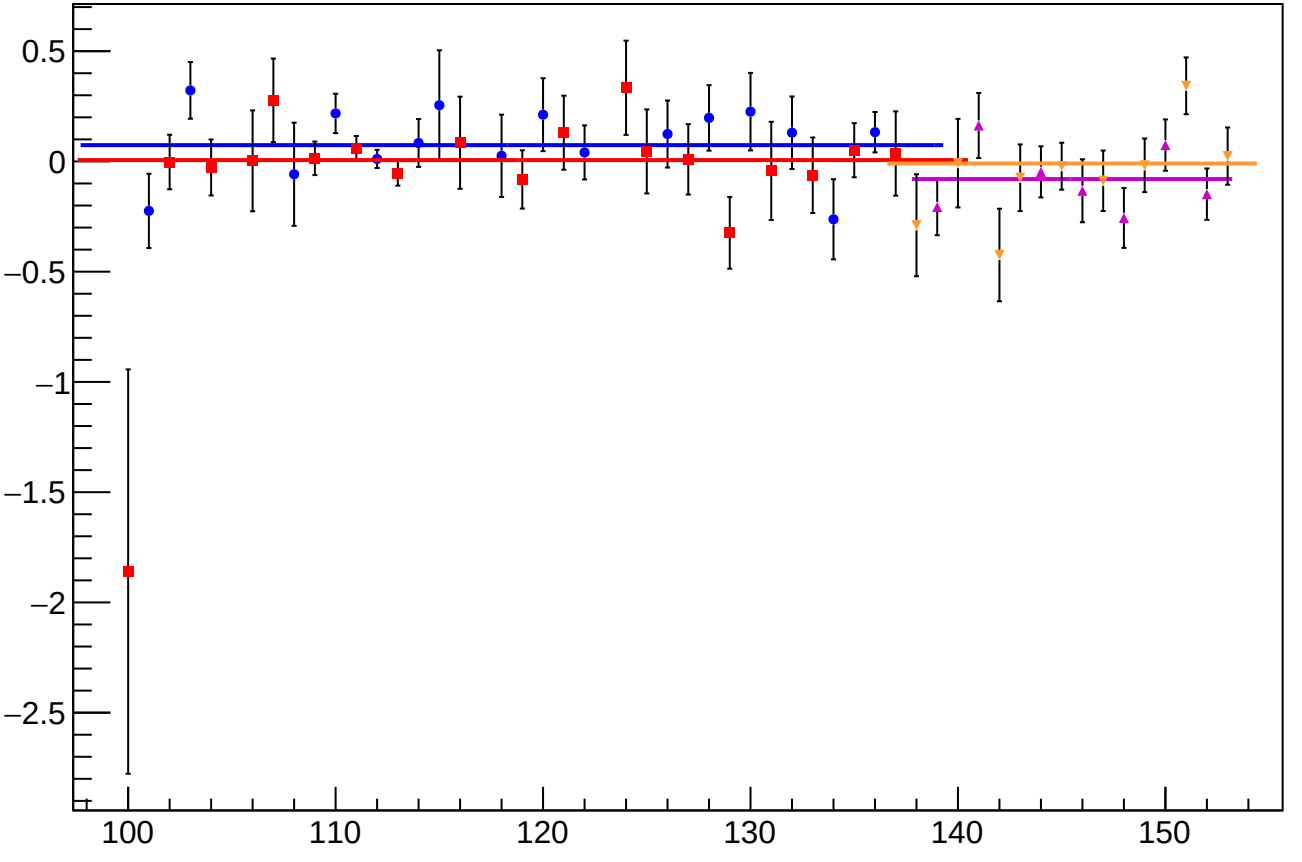
Left In: 0.000+/-0.000 χ^2/NDF:321455.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2698229.2/24

All: 0.000+/-0.000 χ^2/NDF: 5254080.9/50

- sign 0.000+/-0.000 χ^2/NDF: 2555792.0/25

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.009+/-0.048 χ^2/NDF:13.5/8

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

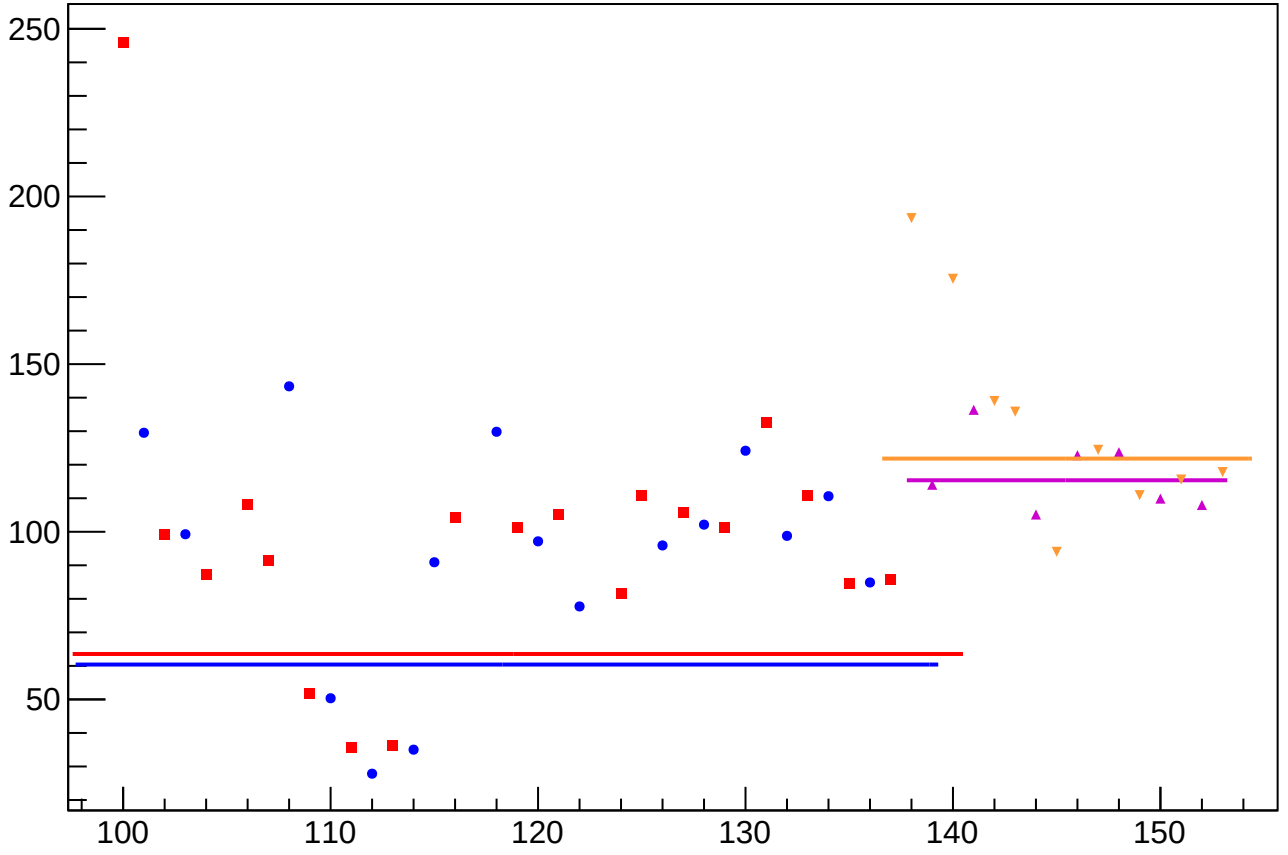
Left In: -0.080+/-0.048 χ^2/NDF:7.7/6

+ sign 0.054+/-0.024 χ^2/NDF: 34.7/24

All: 0.020+/-0.017 χ^2/NDF: 65.5/50

- sign -0.014+/-0.023 χ^2/NDF: 26.5/25

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 121.826+/-0.034 χ^2/NDF:525984.6/8

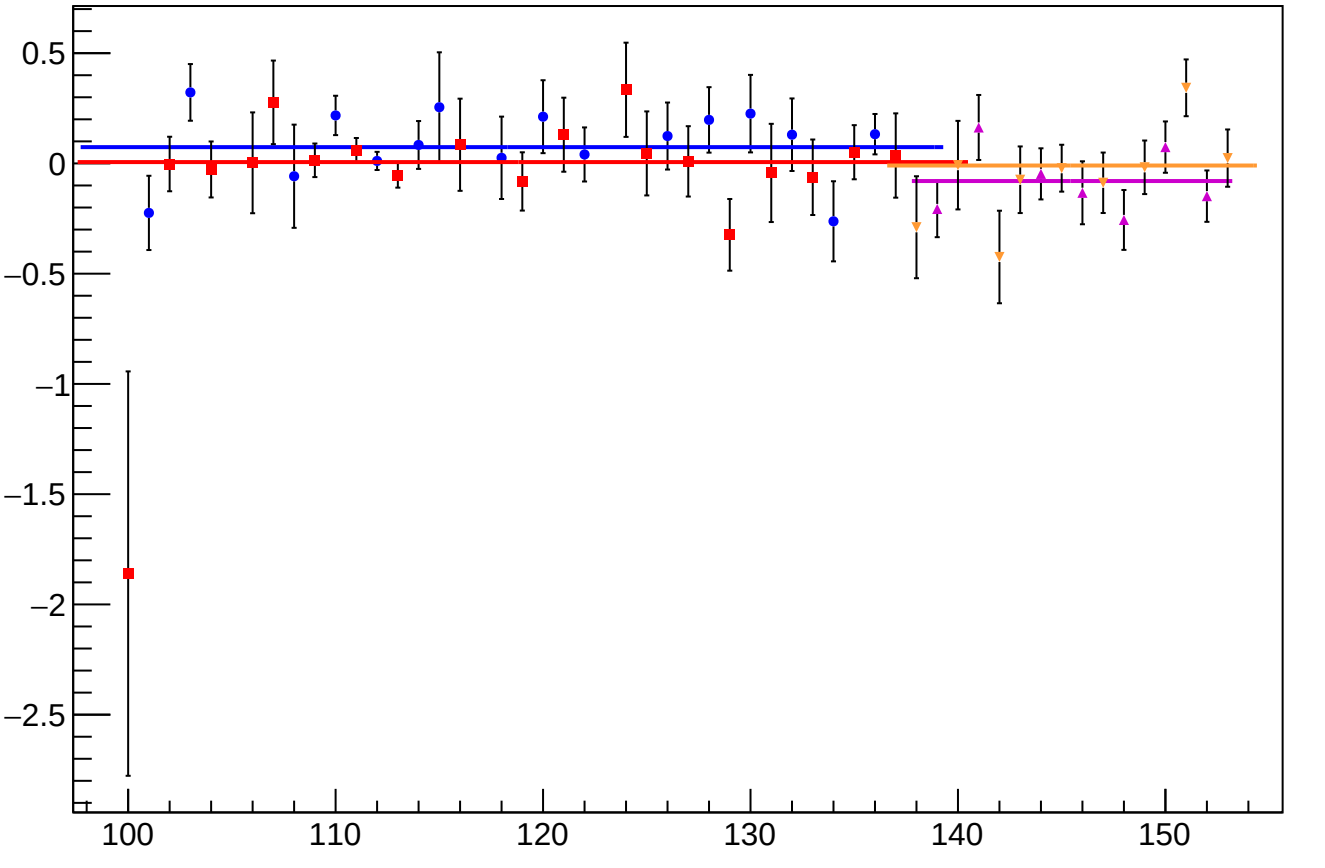
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.366+/-0.034 χ^2/NDF:81873.4/6

\+ sign 75.305+/-0.017 χ^2/NDF: 6573406.9/24

All: 75.578+/-0.012 χ^2/NDF: 11080557.1/50

\- sign 75.850+/-0.017 χ^2/NDF: 4506609.9/25



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.009+/-0.048 χ^2/NDF:13.5/8

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

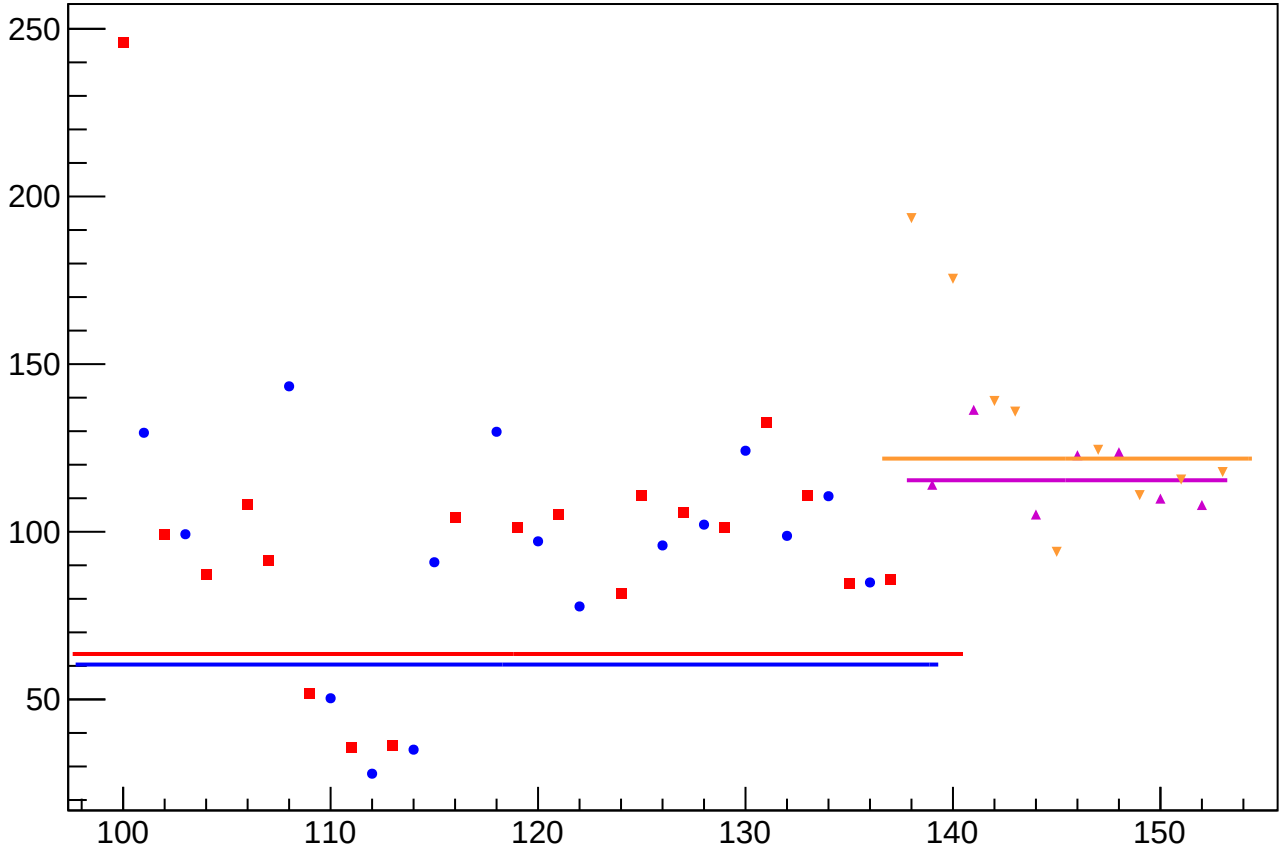
Left In: -0.080+/-0.048 χ^2/NDF:7.7/6

+ sign 0.054+/-0.024 χ^2/NDF: 34.7/24

All: 0.020+/-0.017 χ^2/NDF: 65.5/50

- sign -0.014+/-0.023 χ^2/NDF: 26.5/25

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 121.826+/-0.034 χ^2/NDF:525984.6/8

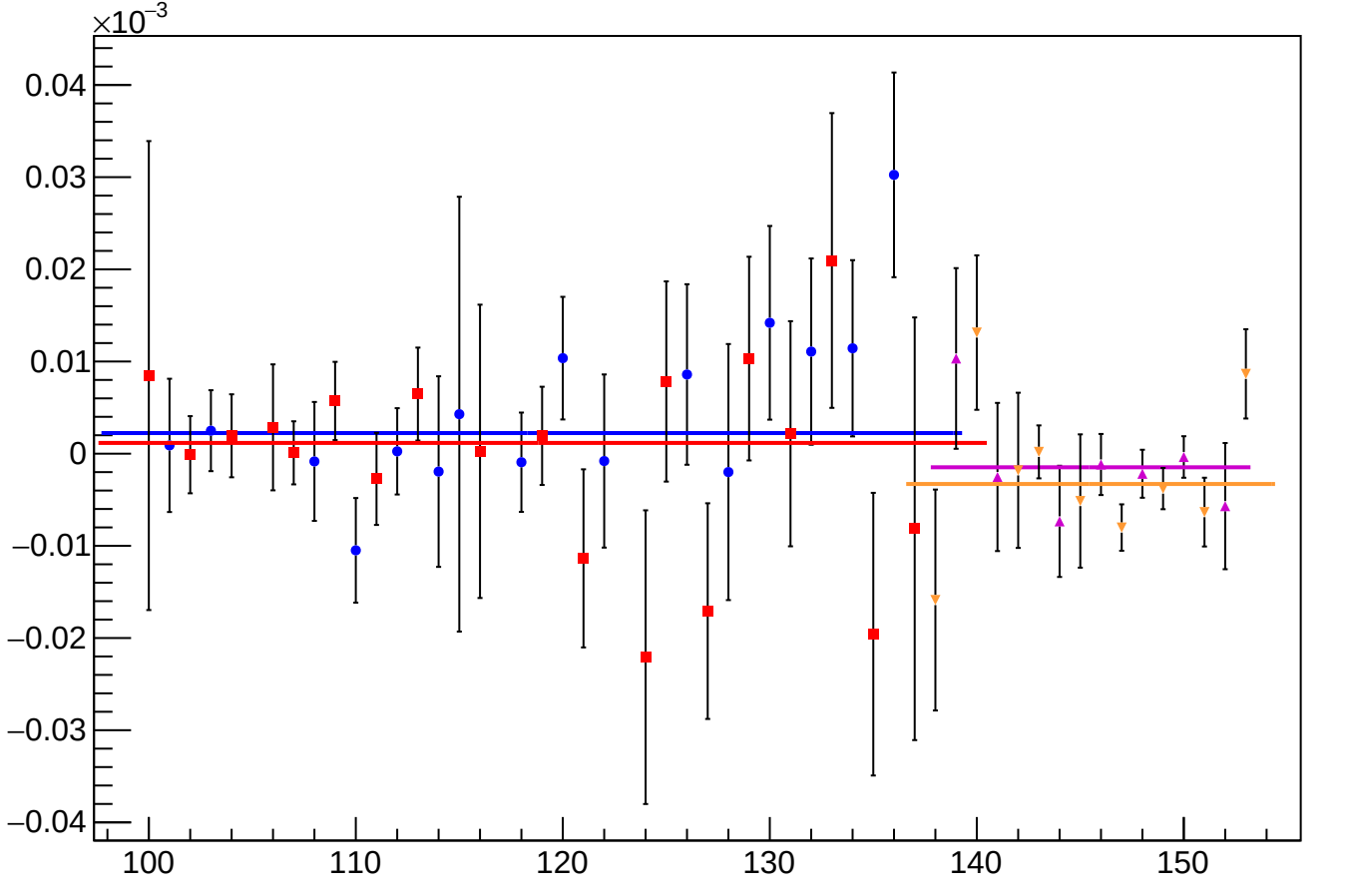
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.366+/-0.034 χ^2/NDF:81873.4/6

\+ sign 75.305+/-0.017 χ^2/NDF: 6573406.9/24

All: 75.578+/-0.012 χ^2/NDF: 11080557.1/50

\- sign 75.850+/-0.017 χ^2/NDF: 4506609.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/8

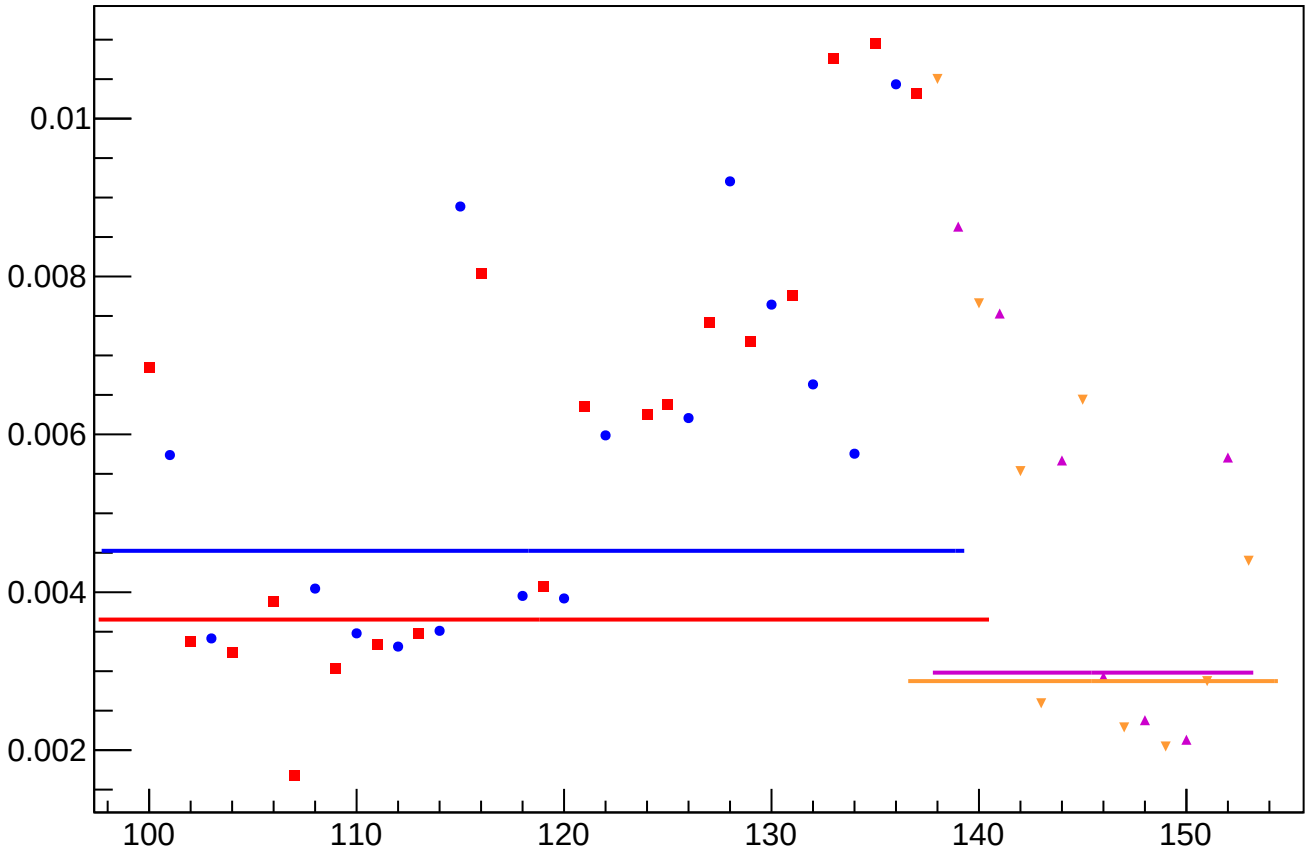
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/24

All: -0.000+/-0.000 χ^2/NDF: 60.3/50

- sign -0.000+/-0.000 χ^2/NDF: 18.9/25



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:2748107.7/8

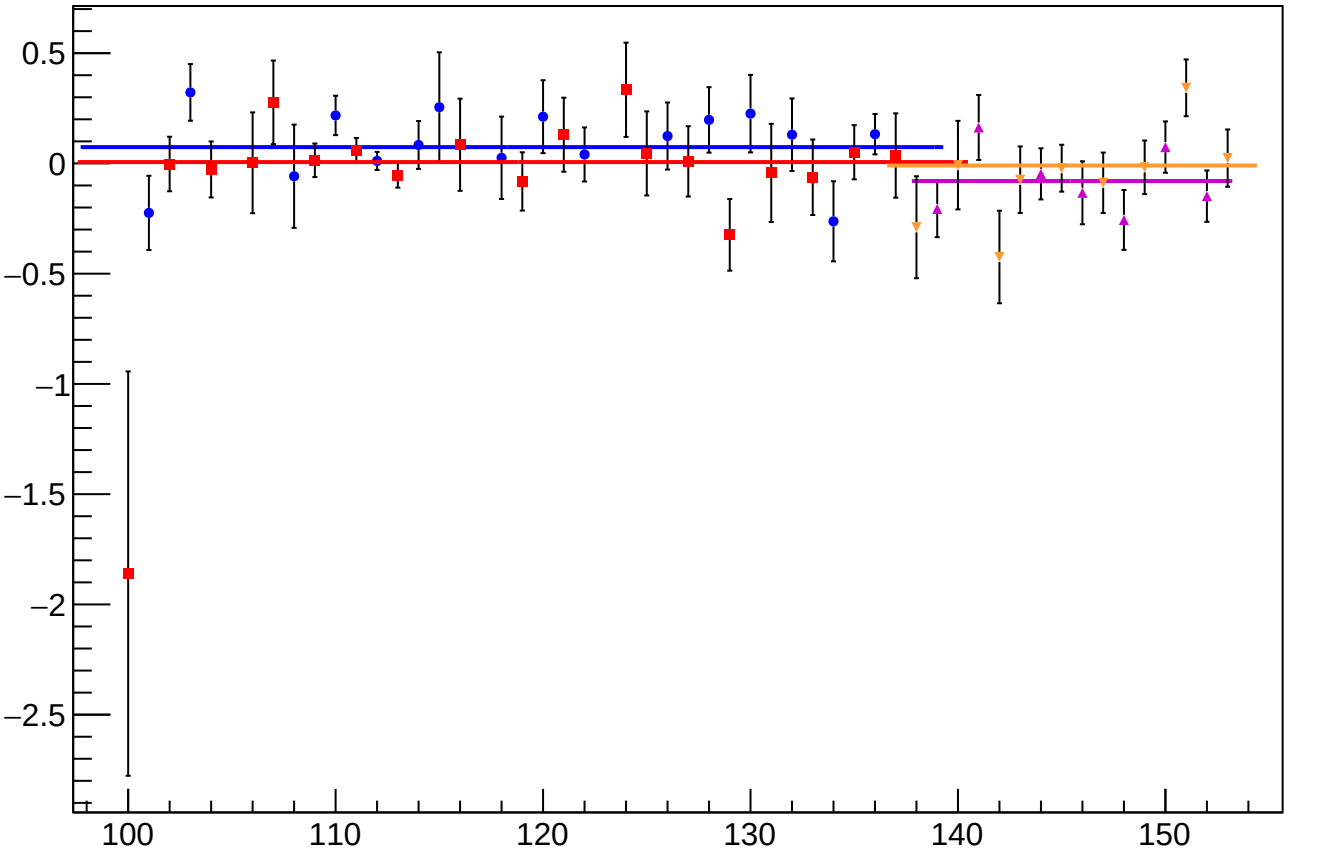
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:2412427.0/6

+ sign 0.003+/-0.000 χ^2/NDF: 5598526.6/24

All: 0.003+/-0.000 χ^2/NDF: 11170158.9/50

- sign 0.003+/-0.000 χ^2/NDF: 5560477.1/25



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.009+/-0.048 χ^2/NDF:13.5/8

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

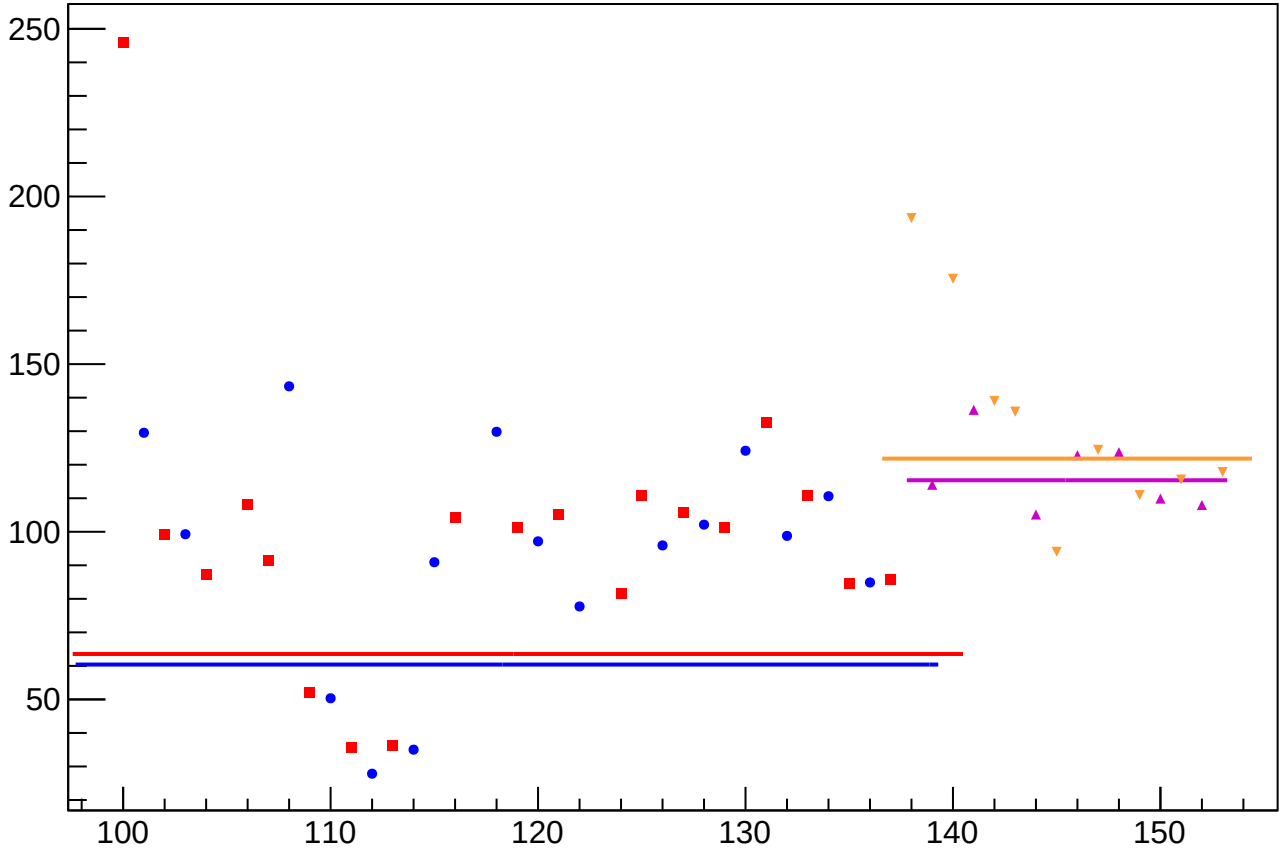
Left In: -0.080+/-0.048 χ^2/NDF:7.7/6

+ sign 0.054+/-0.024 χ^2/NDF: 34.7/24

All: 0.020+/-0.017 χ^2/NDF: 65.5/50

- sign -0.014+/-0.023 χ^2/NDF: 26.5/25

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.827+/-0.034 χ^2/NDF:525958.9/8

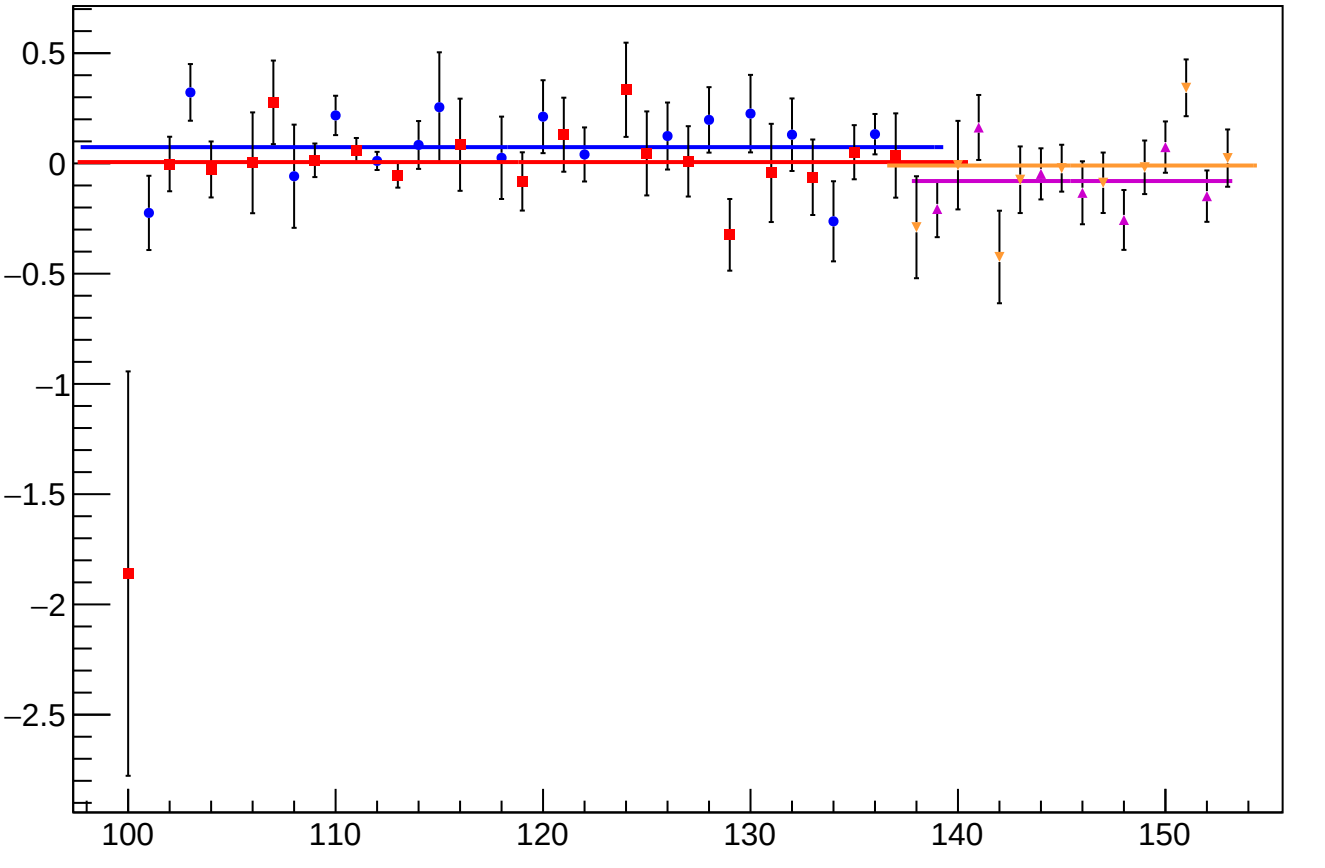
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 115.367+/-0.034 χ^2/NDF:81872.4/6

+ sign 75.303+/-0.017 χ^2/NDF: 6573902.3/24

All: 75.577+/-0.012 χ^2/NDF: 11081508.8/50

- sign 75.849+/-0.017 χ^2/NDF: 4507065.4/25



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.009+/-0.048 χ^2/NDF:13.5/8

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

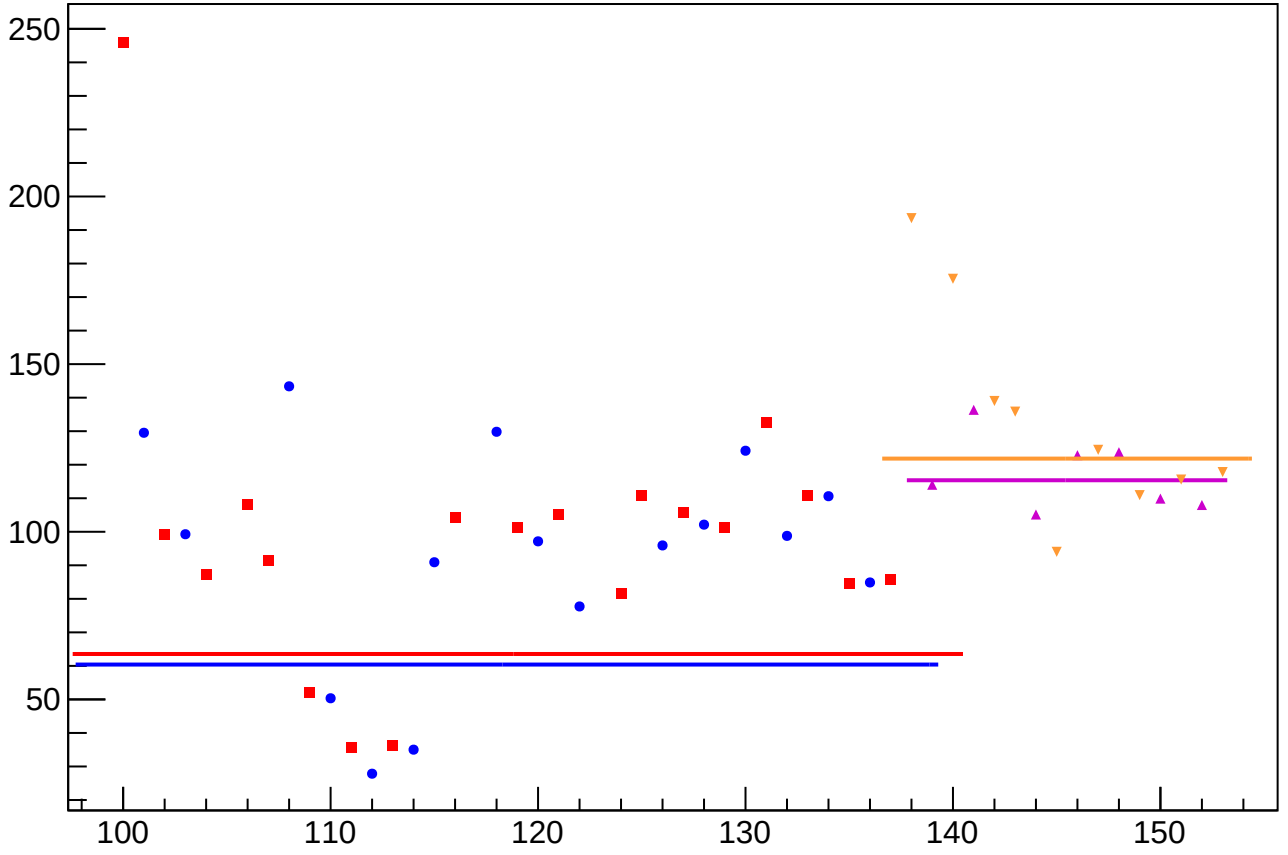
Left In: -0.080+/-0.048 χ^2/NDF:7.7/6

+ sign 0.054+/-0.024 χ^2/NDF: 34.7/24

All: 0.020+/-0.017 χ^2/NDF: 65.5/50

- sign -0.014+/-0.023 χ^2/NDF: 26.5/25

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.827+/-0.034 χ^2/NDF:525958.9/8

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

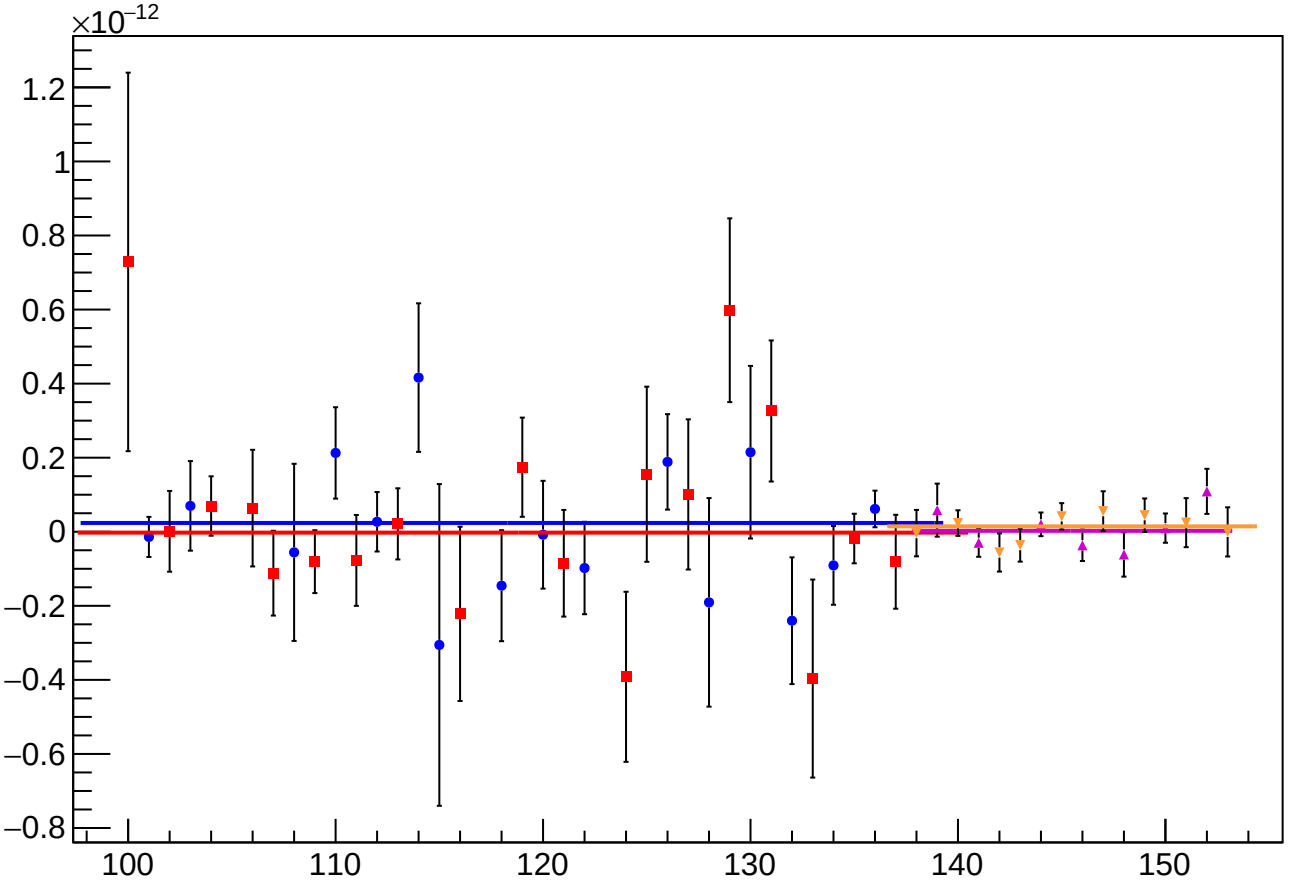
Left In: 115.367+/-0.034 χ^2/NDF:81872.4/6

+ sign 75.303+/-0.017 χ^2/NDF: 6573902.3/24

All: 75.577+/-0.012 χ^2/NDF: 11081508.8/50

- sign 75.849+/-0.017 χ^2/NDF: 4507065.4/25

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/8

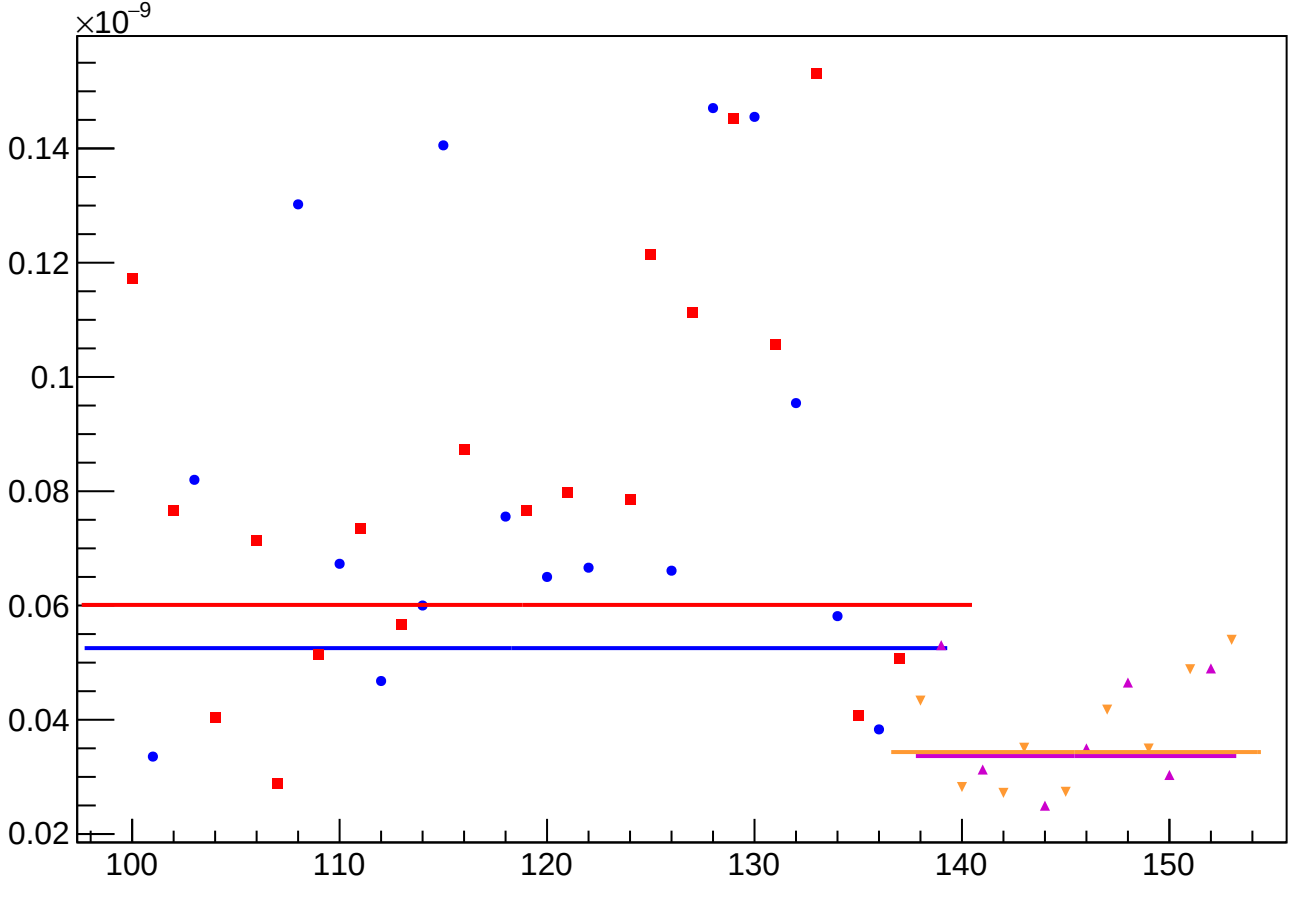
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 21.9/24

All: 0.000+/-0.000 χ^2/NDF: 52.4/50

- sign 0.000+/-0.000 χ^2/NDF: 29.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:528877.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

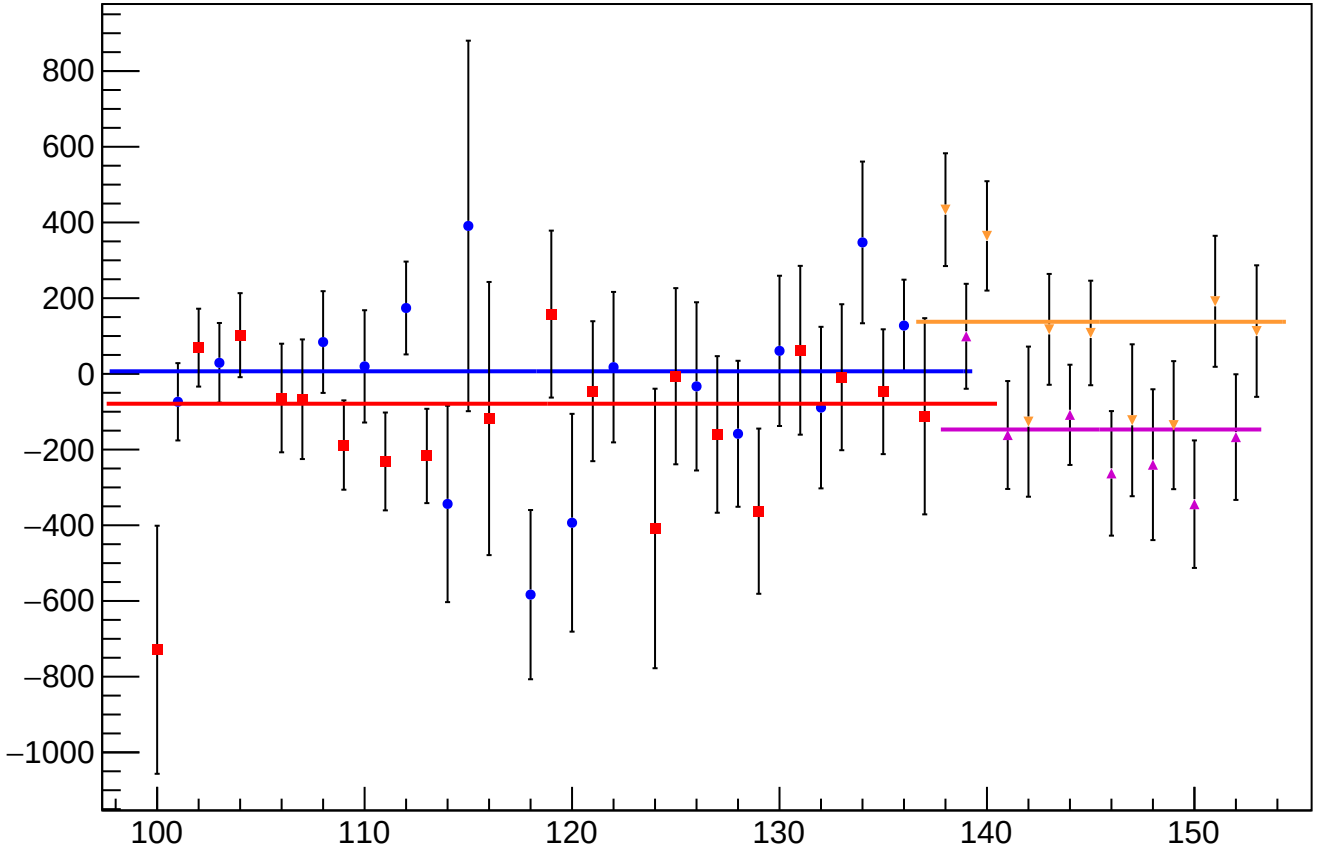
Left In: 0.000+/-0.000 χ^2/NDF:538096.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 2887334.5/24

All: 0.000+/-0.000 χ^2/NDF: 6230889.7/50

- sign 0.000+/-0.000 χ^2/NDF: 3337483.3/25

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 137.650+/-53.938 χ^2/NDF:12.7/8

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

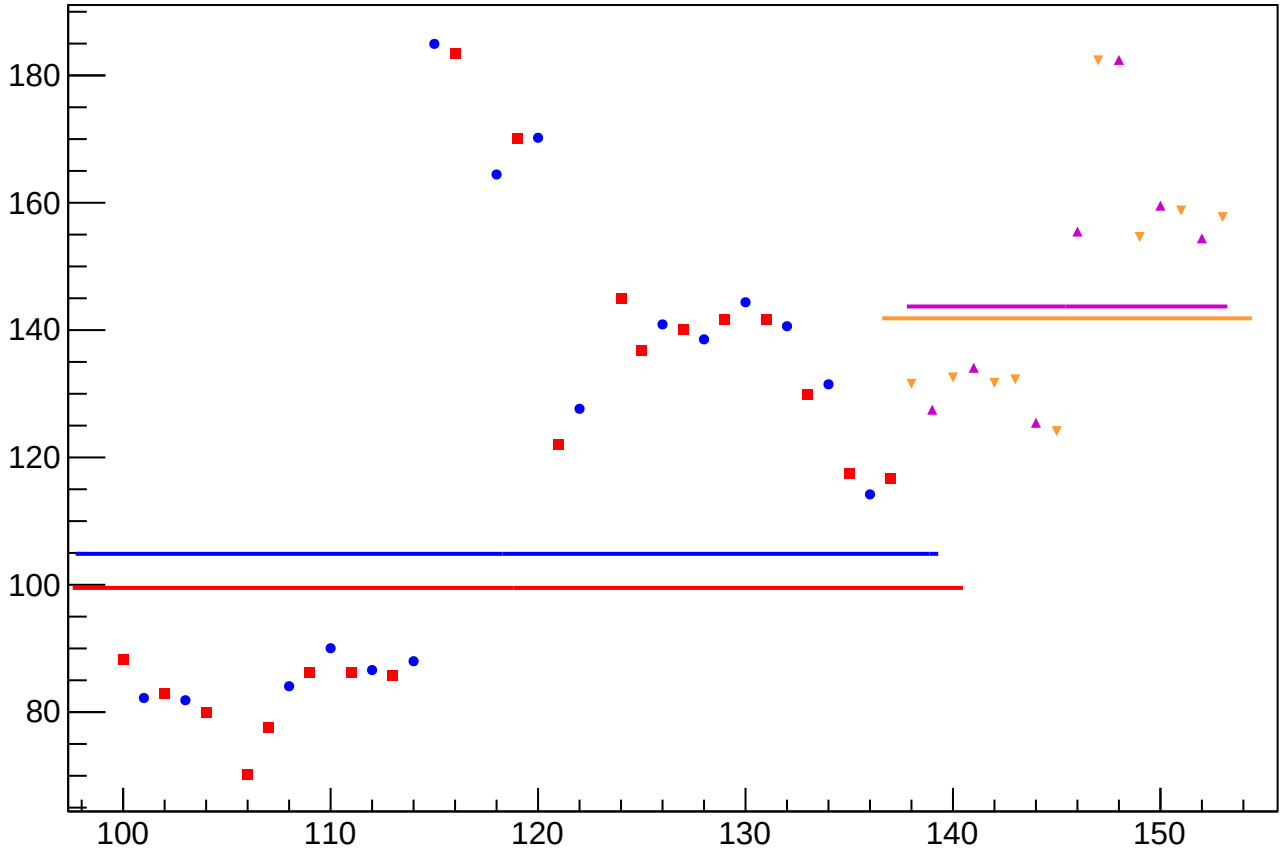
Left In: -146.956+/-58.528 χ^2/NDF:5.4/6

+ sign 53.763+/-32.311 χ^2/NDF: 35.2/24

All: -23.798+/-22.670 χ^2/NDF: 69.6/50

- sign -98.999+/-31.816 χ^2/NDF: 23.0/25

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 141.847+/-0.038 χ^2/NDF:193252.4/8

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

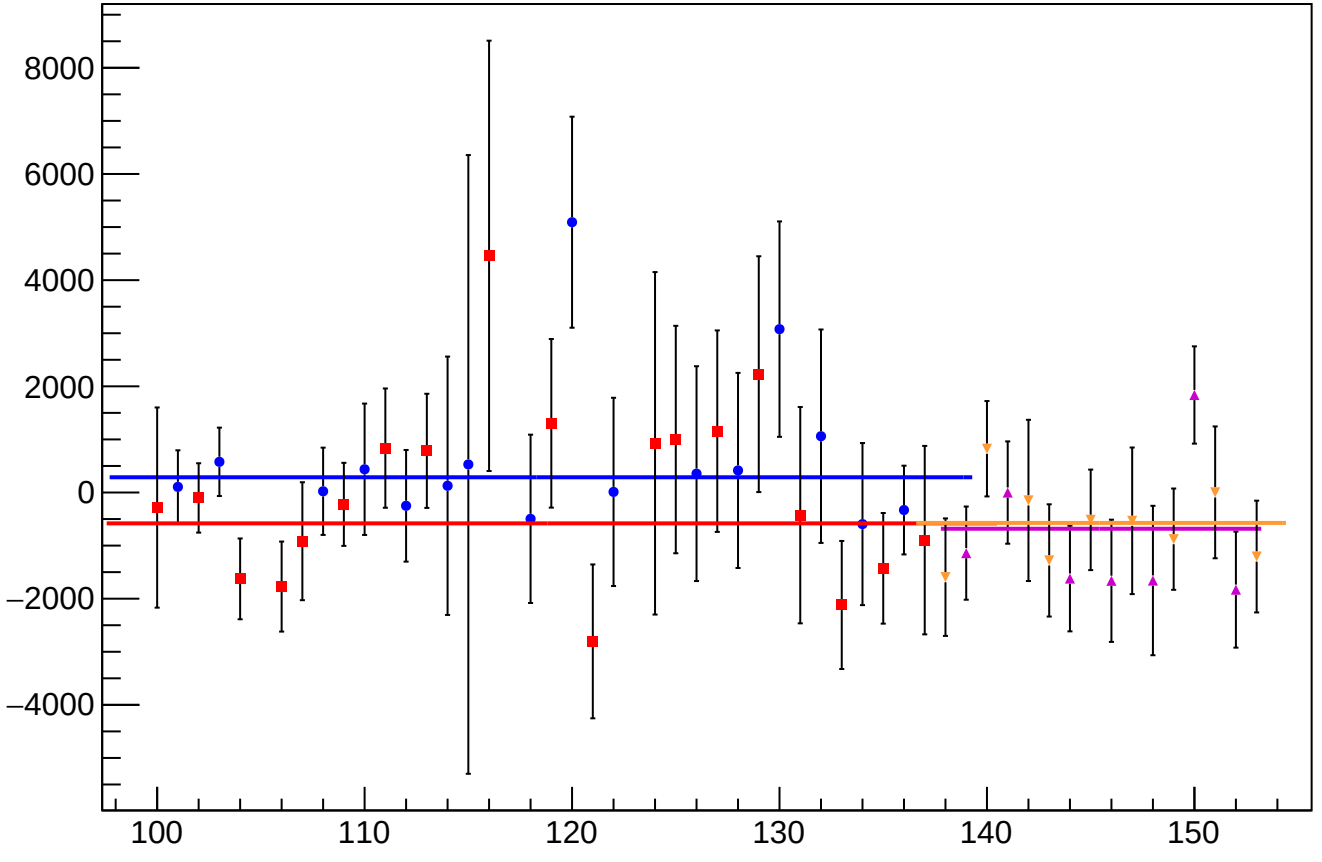
Left In: 143.707+/-0.041 χ^2/NDF:186314.2/6

+ sign 118.133+/-0.023 χ^2/NDF: 1727449.3/24

All: 115.308+/-0.016 χ^2/NDF: 3786463.4/50

- sign 112.569+/-0.022 χ^2/NDF: 2028905.8/25

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -572.830+/-360.979 χ^2/NDF:4.5/8

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

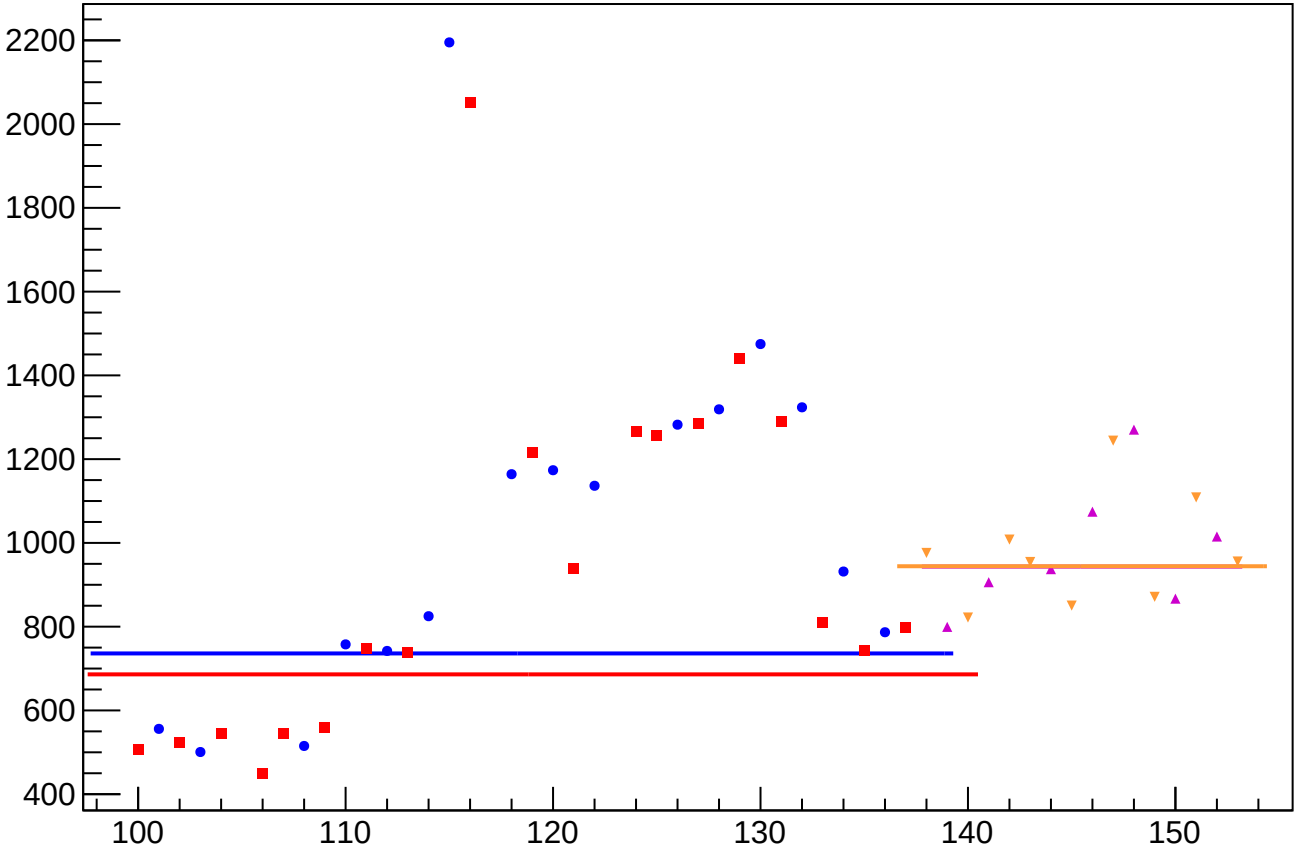
Left In: -682.827+/-387.096 χ^2/NDF:11.5/6

+ sign -55.210+/-227.714 χ^2/NDF: 17.6/24

All: -342.774+/-158.712 χ^2/NDF: 51.0/50

- sign -614.435+/-221.328 χ^2/NDF: 30.3/25

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 944.284+/-0.255 χ^2/NDF:203543.1/8

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

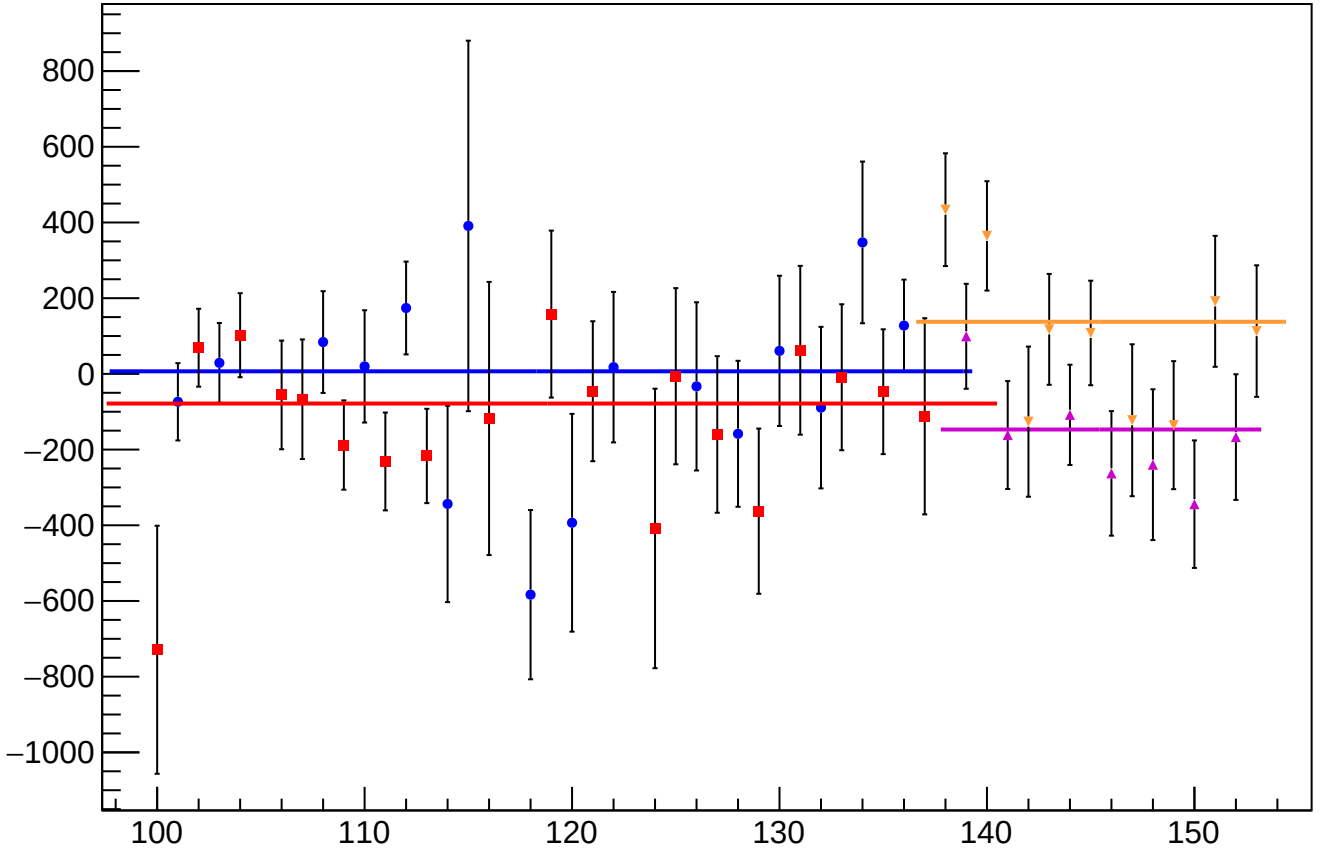
Left In: 943.431+/-0.274 χ^2/NDF:213395.9/6

+ sign 818.935+/-0.161 χ^2/NDF: 2448601.9/24

All: 793.890+/-0.112 χ^2/NDF: 5123083.1/50

- sign 770.231+/-0.157 χ^2/NDF: 2627434.8/25

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 137.655+/-53.938 χ^2/NDF:12.7/8

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

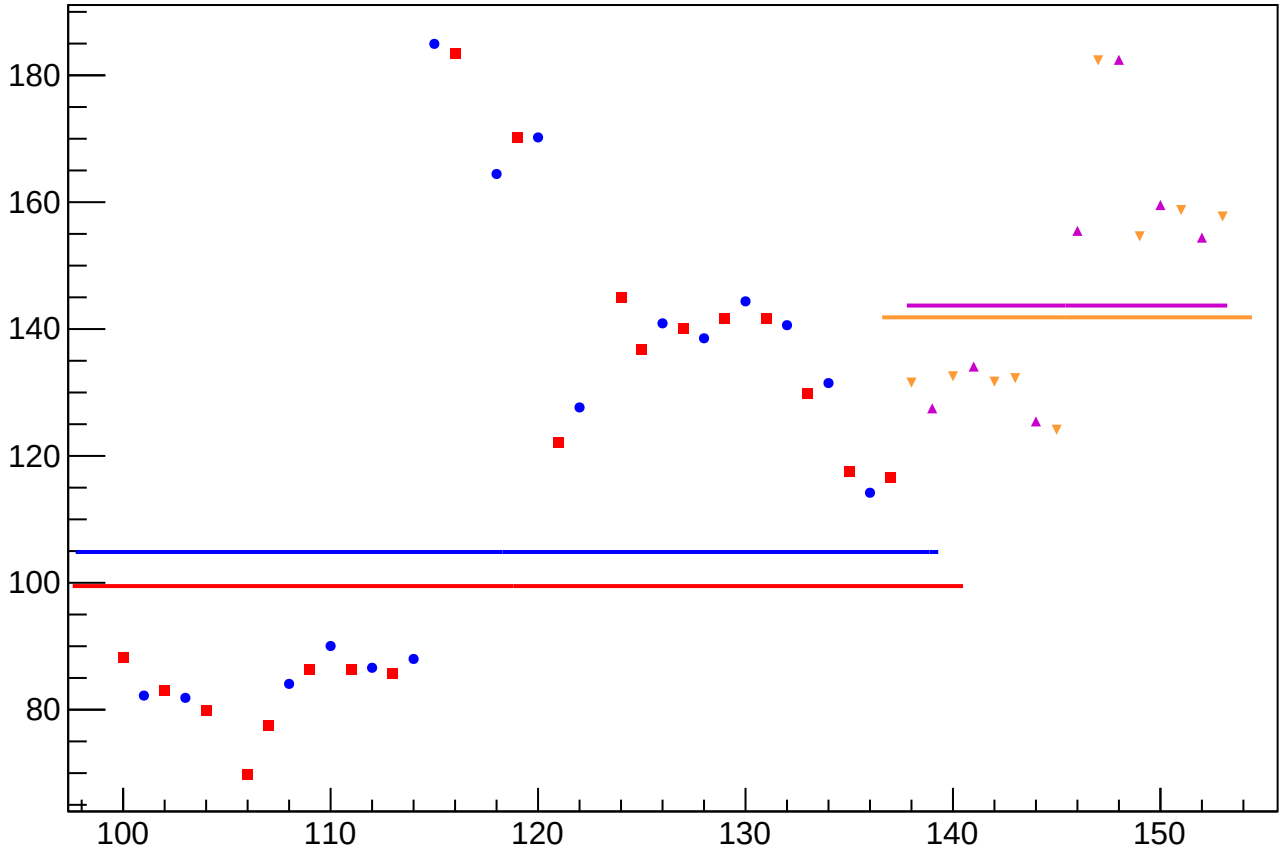
Left In: -146.955+/-58.528 χ^2/NDF:5.4/6

+ sign 53.757+/-32.311 χ^2/NDF: 35.2/24

All: -23.606+/-22.671 χ^2/NDF: 69.5/50

- sign -98.623+/-31.818 χ^2/NDF: 23.0/25

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 141.847+/-0.038 χ^2/NDF:193252.4/8

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

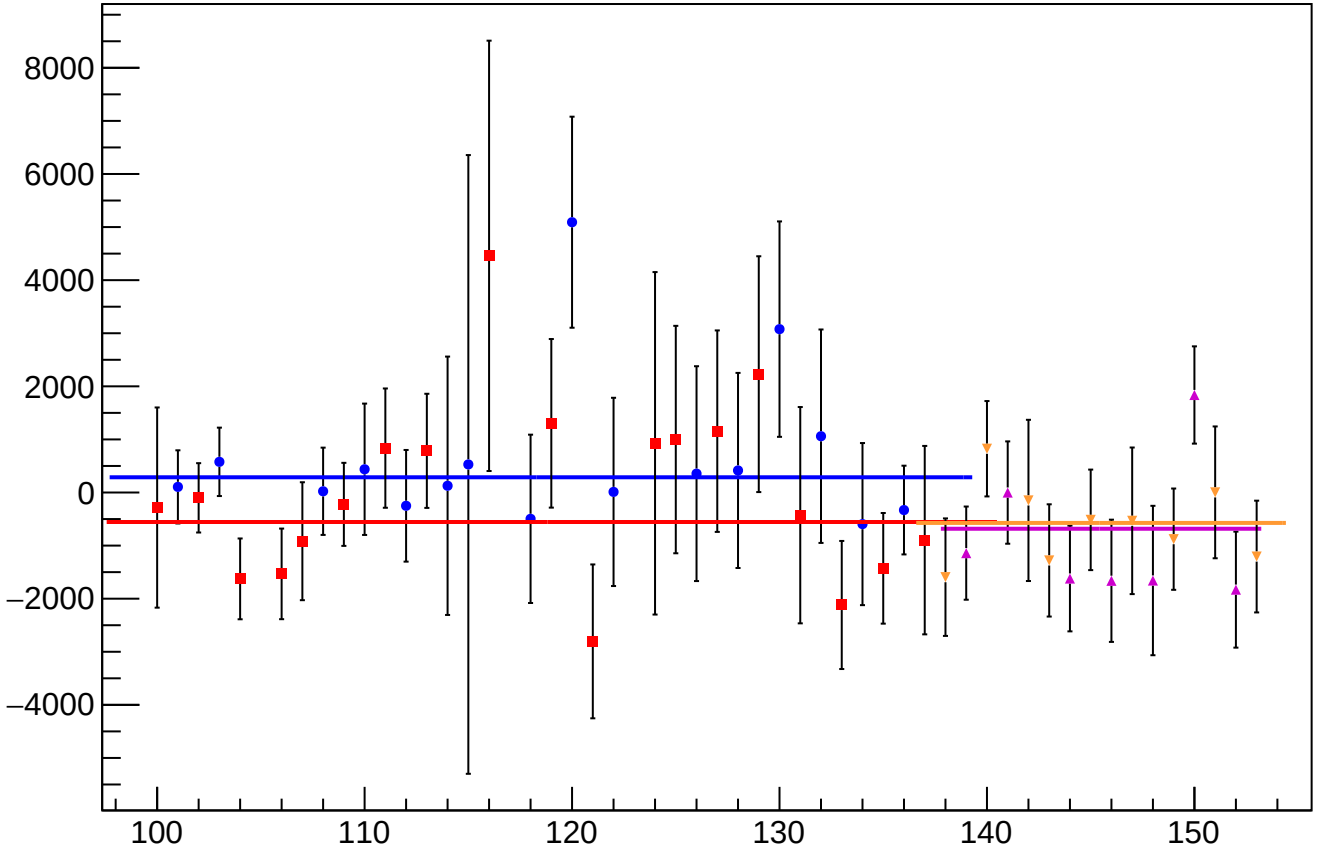
Left In: 143.707+/-0.041 χ^2/NDF:186314.2/6

+ sign 118.133+/-0.023 χ^2/NDF: 1727448.0/24

All: 115.300+/-0.016 χ^2/NDF: 3789651.0/50

- sign 112.553+/-0.022 χ^2/NDF: 2031927.8/25

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -572.825+/-360.979 χ^2/NDF:4.5/8

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

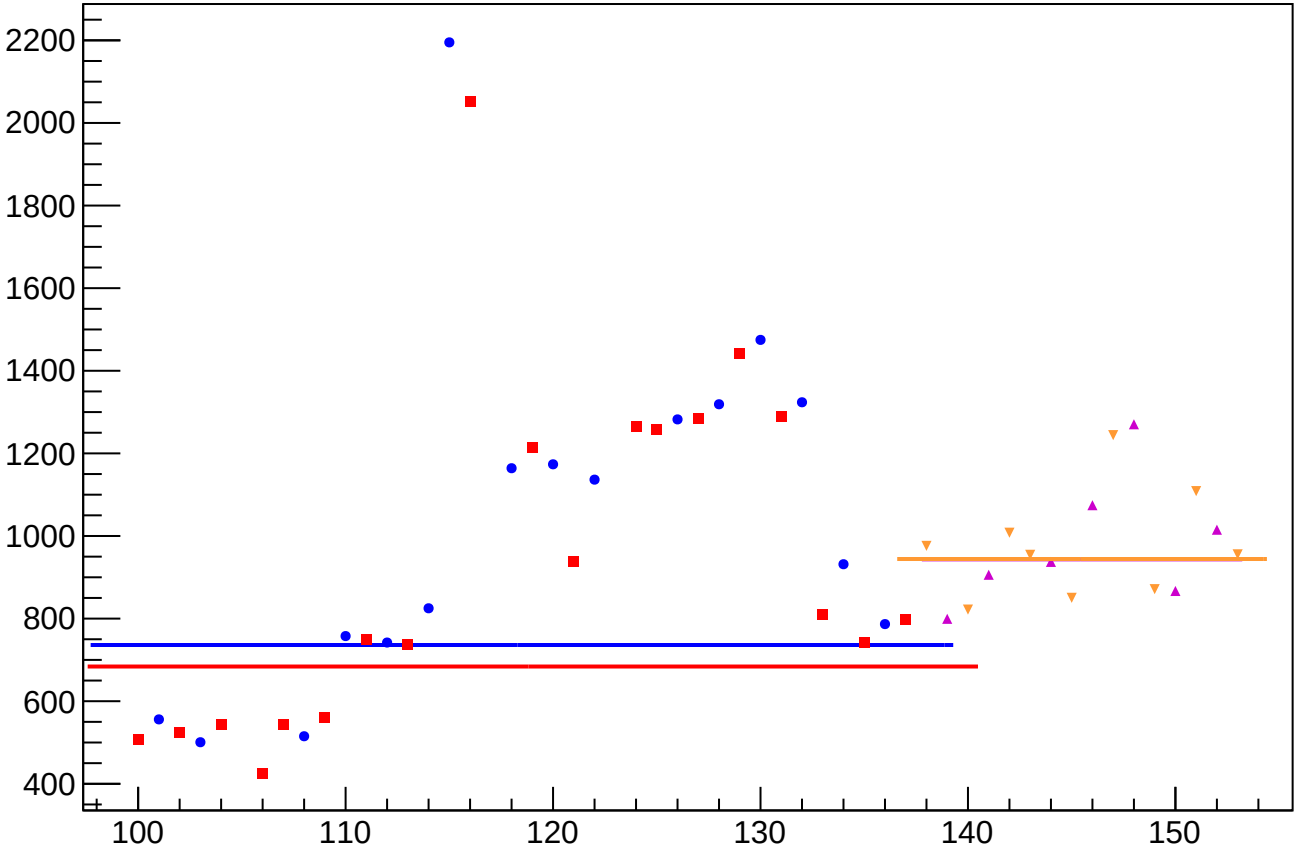
Left In: -682.820+/-387.096 χ^2/NDF:11.5/6

+ sign -55.206+/-227.714 χ^2/NDF: 17.6/24

All: -333.746+/-158.748 χ^2/NDF: 50.1/50

- sign -597.117+/-221.427 χ^2/NDF: 29.6/25

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 944.285+/-0.255 χ^2/NDF:203542.6/8

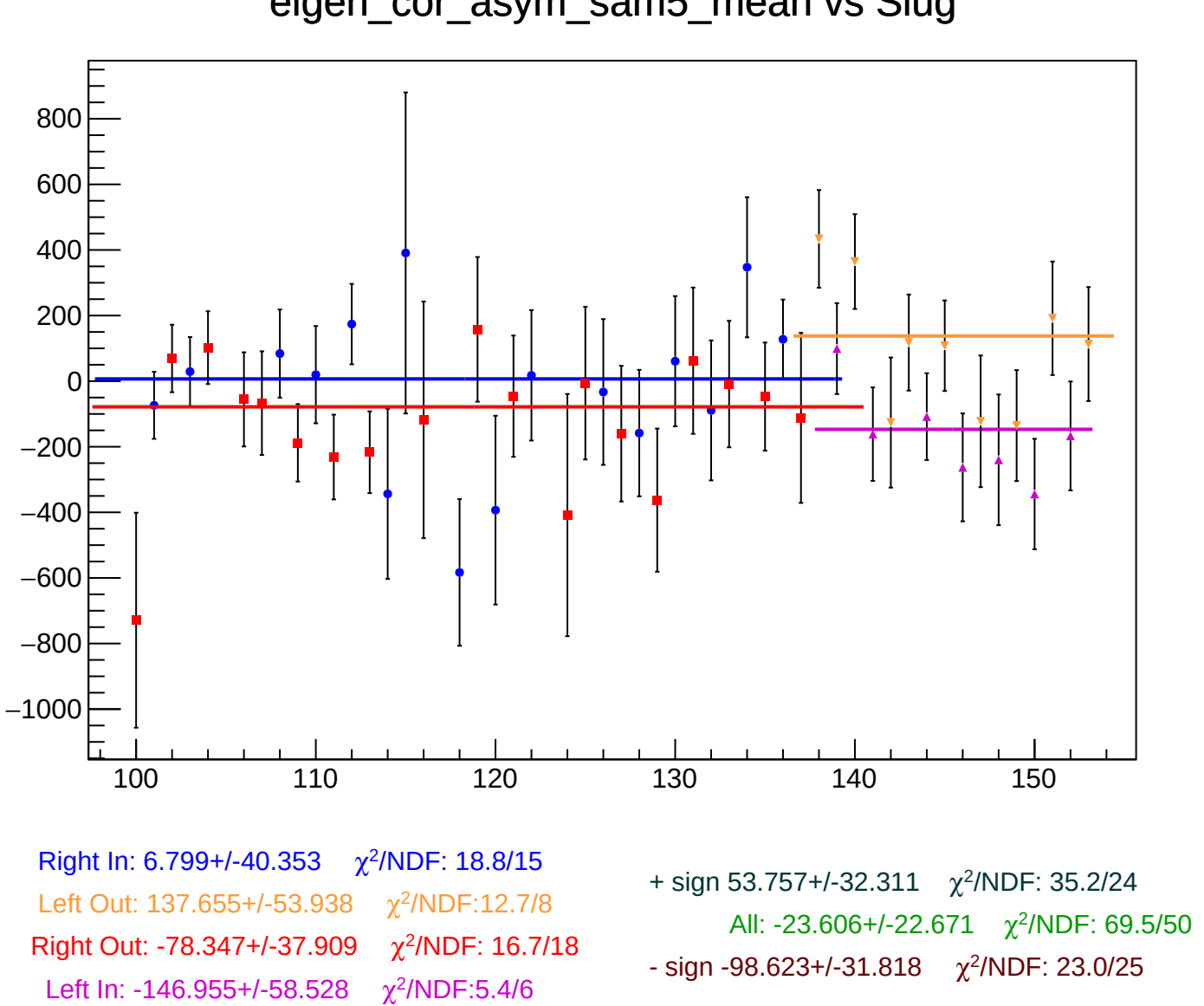
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 943.431+/-0.274 χ^2/NDF:213396.1/6

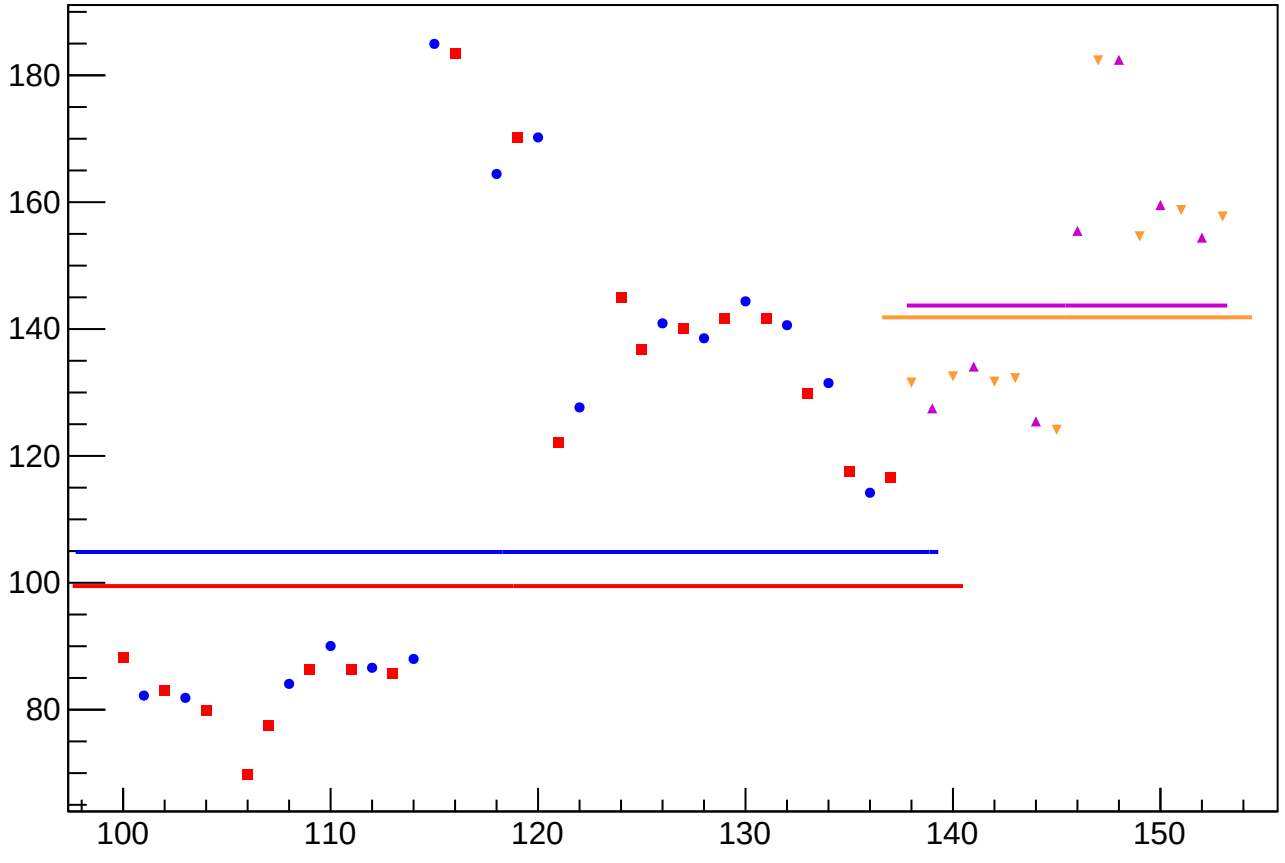
+ sign 818.934+/-0.161 χ^2/NDF: 2448606.5/24

All: 793.204+/-0.112 χ^2/NDF: 5166566.2/50

- sign 768.874+/-0.157 χ^2/NDF: 2668278.1/25


eigen_cor_asym_sam5_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 137.655+/-53.938 χ²/NDF:12.7/8
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -146.955+/-58.528 χ²/NDF:5.4/6
+ sign 53.757+/-32.311 χ²/NDF: 35.2/24
All: -23.606+/-22.671 χ²/NDF: 69.5/50
- sign -98.623+/-31.818 χ²/NDF: 23.0/25

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 141.847+/-0.038 χ^2/NDF:193252.4/8

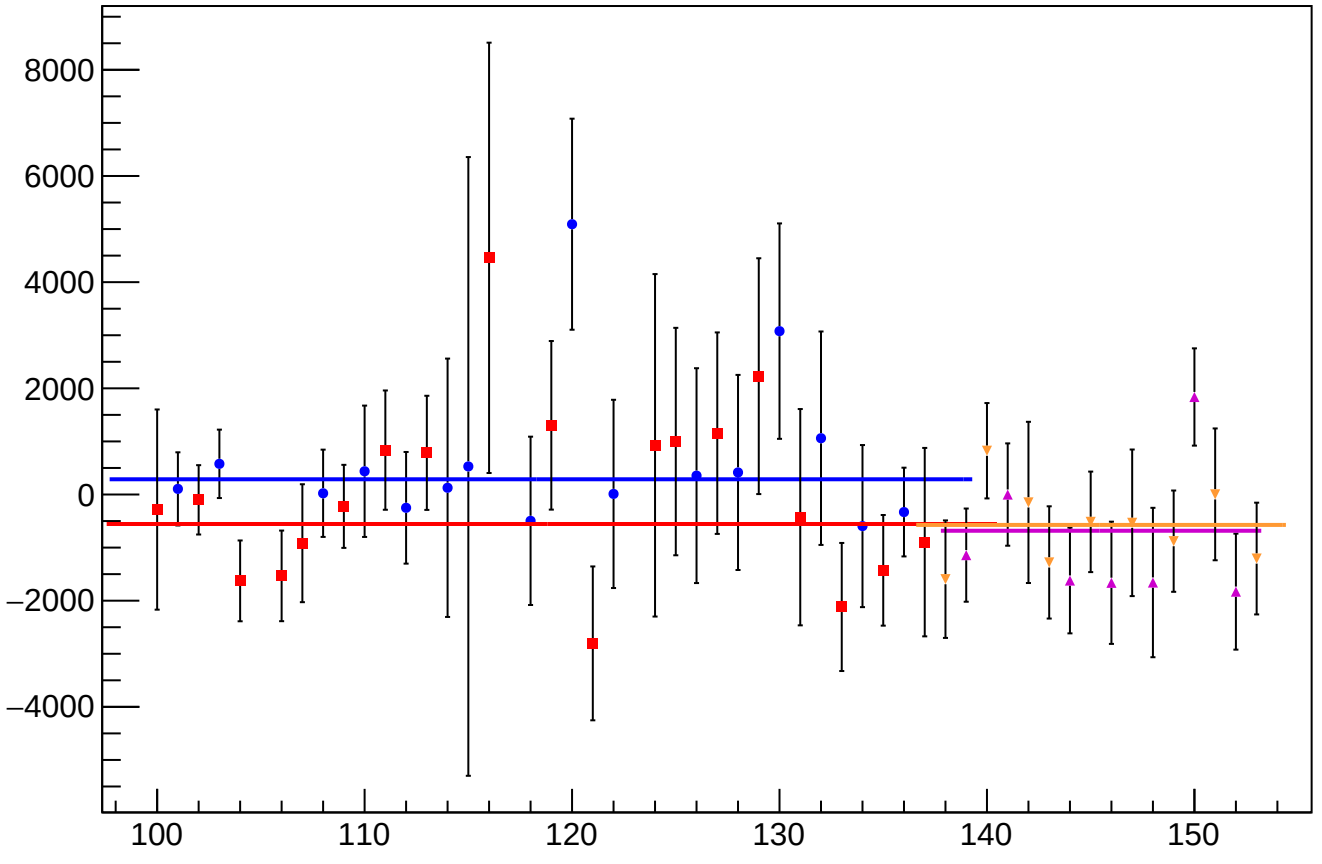
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 143.707+/-0.041 χ^2/NDF:186314.2/6

+ sign 118.133+/-0.023 χ^2/NDF: 1727448.0/24

All: 115.300+/-0.016 χ^2/NDF: 3789651.0/50

- sign 112.553+/-0.022 χ^2/NDF: 2031927.8/25



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -572.825+/-360.979 χ^2/NDF:4.5/8

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

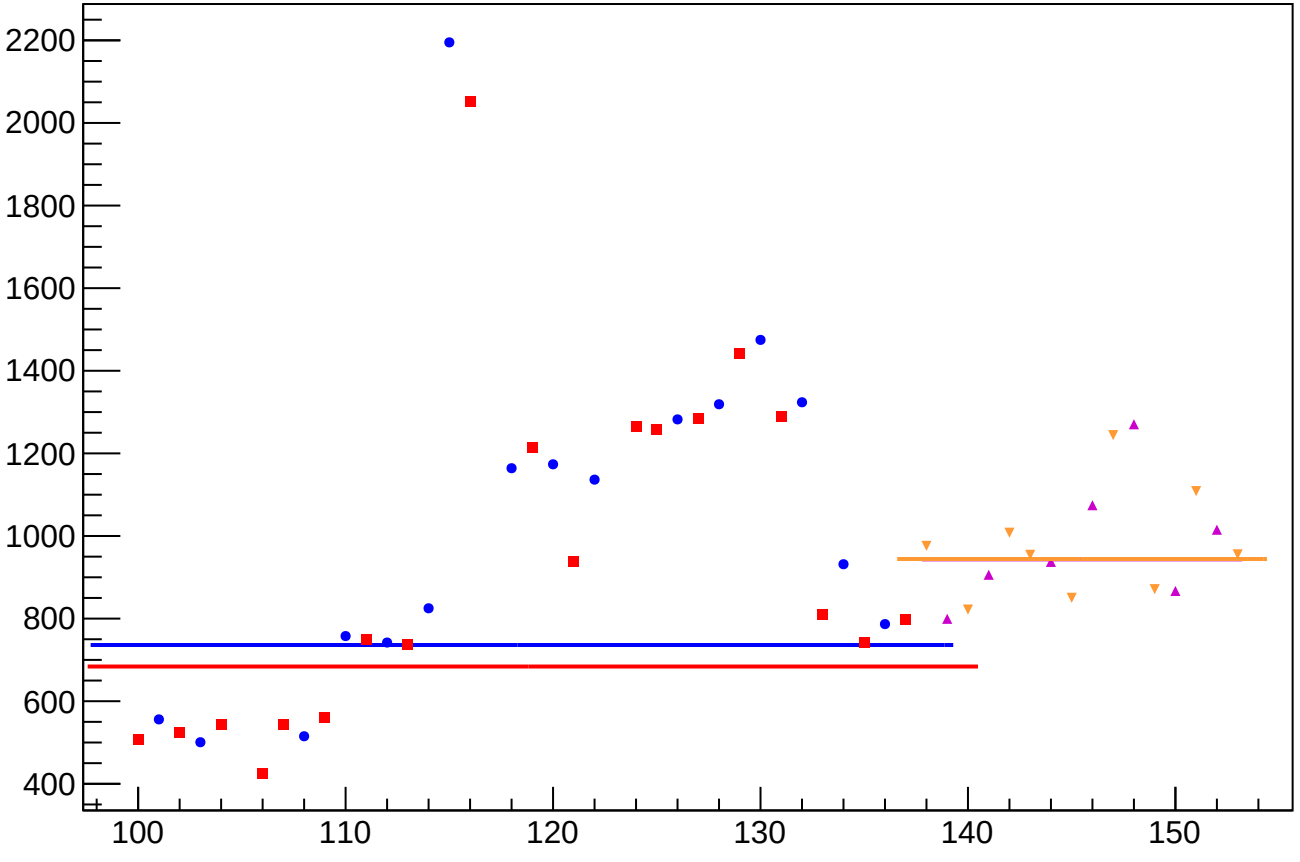
Left In: -682.820+/-387.096 χ^2/NDF:11.5/6

+ sign -55.206+/-227.714 χ^2/NDF: 17.6/24

All: -333.746+/-158.748 χ^2/NDF: 50.1/50

- sign -597.117+/-221.427 χ^2/NDF: 29.6/25

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 944.285+/-0.255 χ^2/NDF:203542.6/8

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

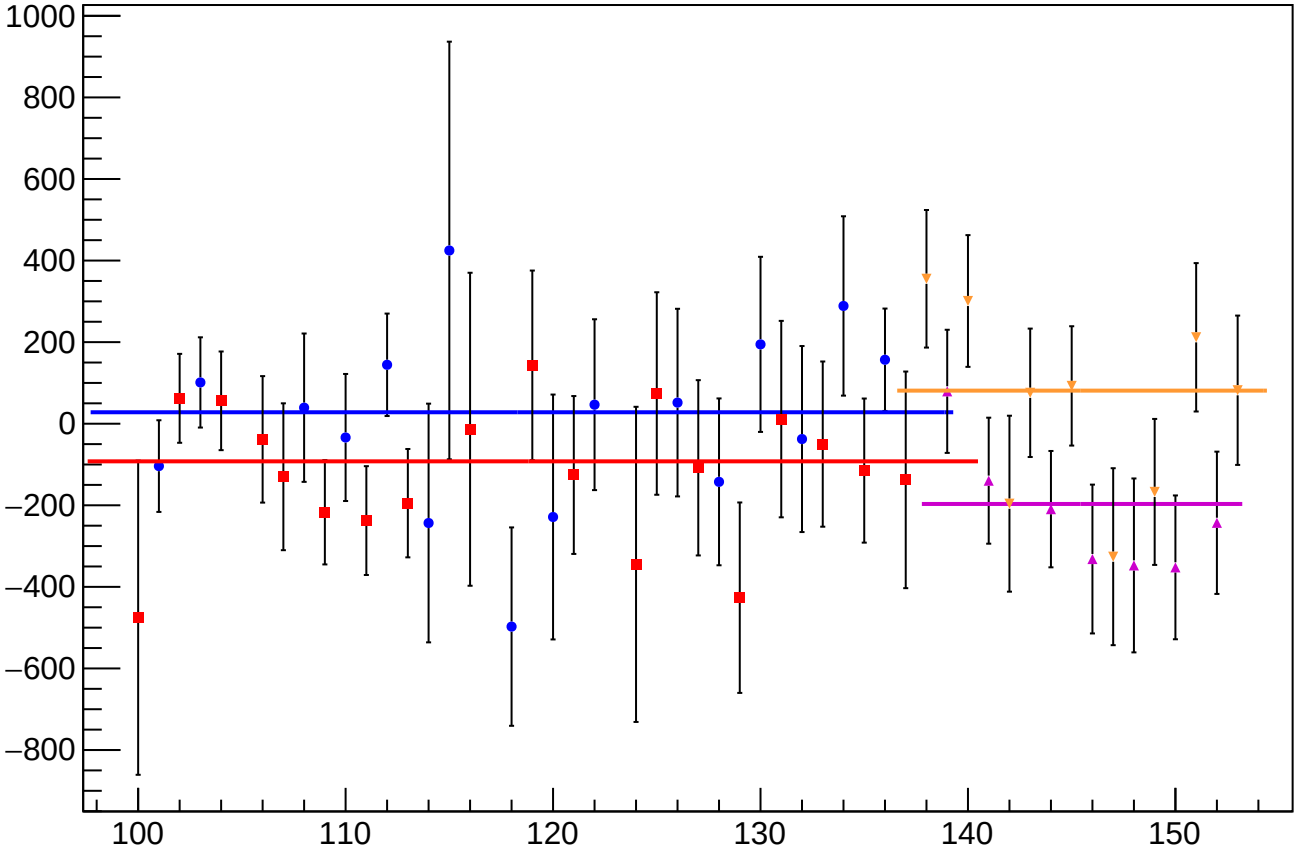
Left In: 943.431+/-0.274 χ^2/NDF:213396.1/6

\+ sign 818.934+/-0.161 χ^2/NDF: 2448606.5/24

All: 793.204+/-0.112 χ^2/NDF: 5166566.2/50

\- sign 768.874+/-0.157 χ^2/NDF: 2668278.1/25

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 81.140+/-58.261 χ^2/NDF:12.1/8

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

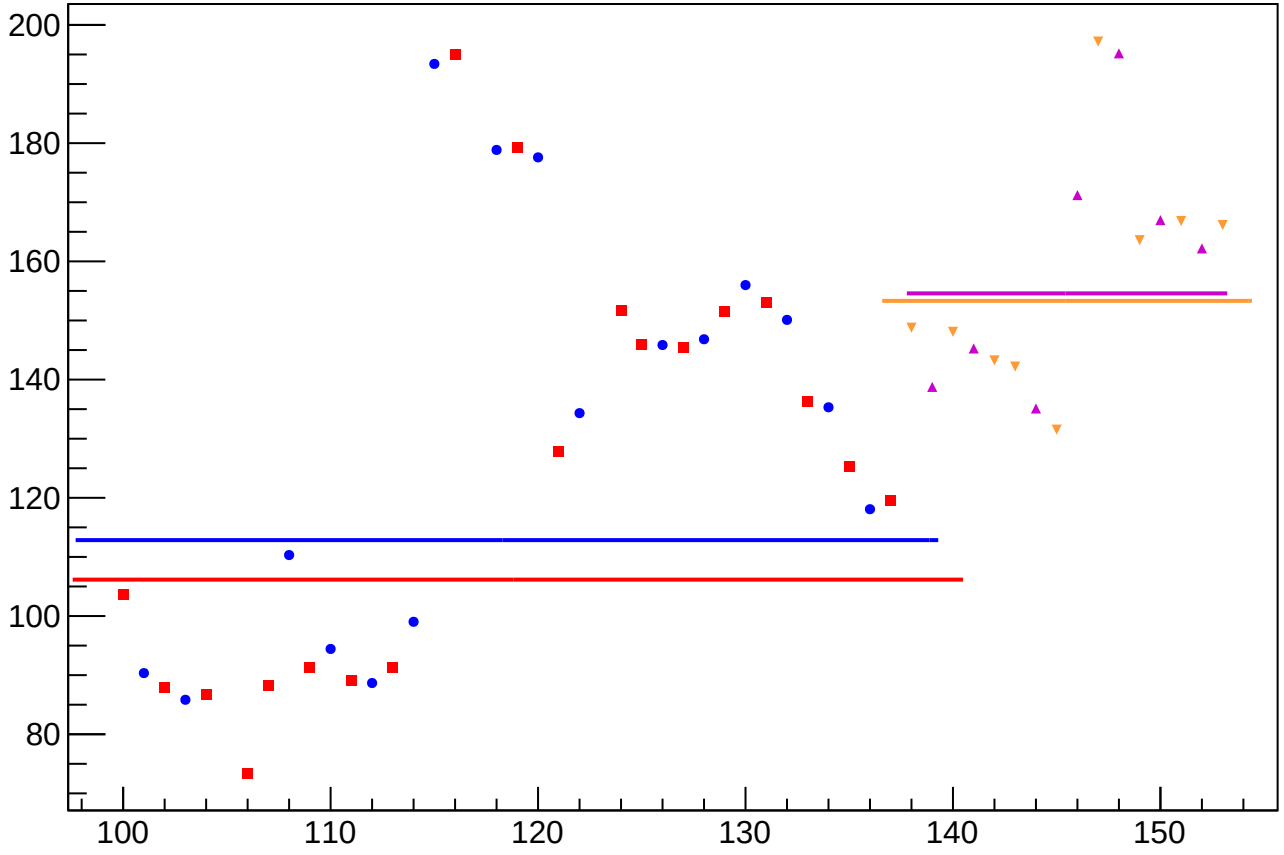
Left In: -196.752+/-62.989 χ^2/NDF:5.4/6

+ sign 47.047+/-34.825 χ^2/NDF: 26.2/24

All: -39.718+/-24.361 χ^2/NDF: 57.4/50

- sign -122.855+/-34.089 χ^2/NDF: 19.0/25

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 153.321+/-0.041 χ^2/NDF:171455.2/8

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

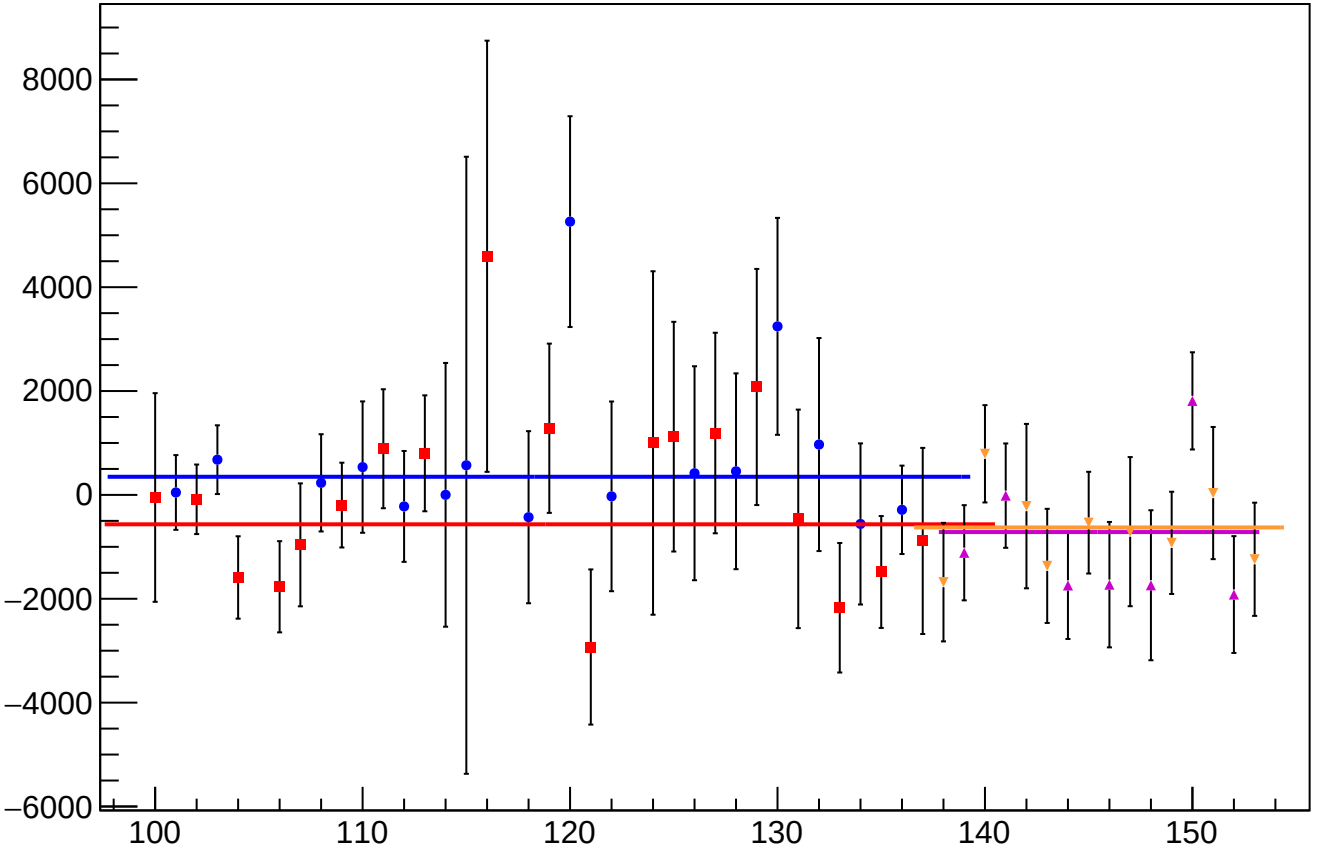
Left In: 154.586+/-0.045 χ^2/NDF:169394.8/6

+ sign 127.305+/-0.025 χ^2/NDF: 1664159.2/24

All: 123.749+/-0.017 χ^2/NDF: 3712451.5/50

- sign 120.342+/-0.024 χ^2/NDF: 2007467.4/25

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -626.430+/-373.895 χ^2/NDF:4.4/8

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

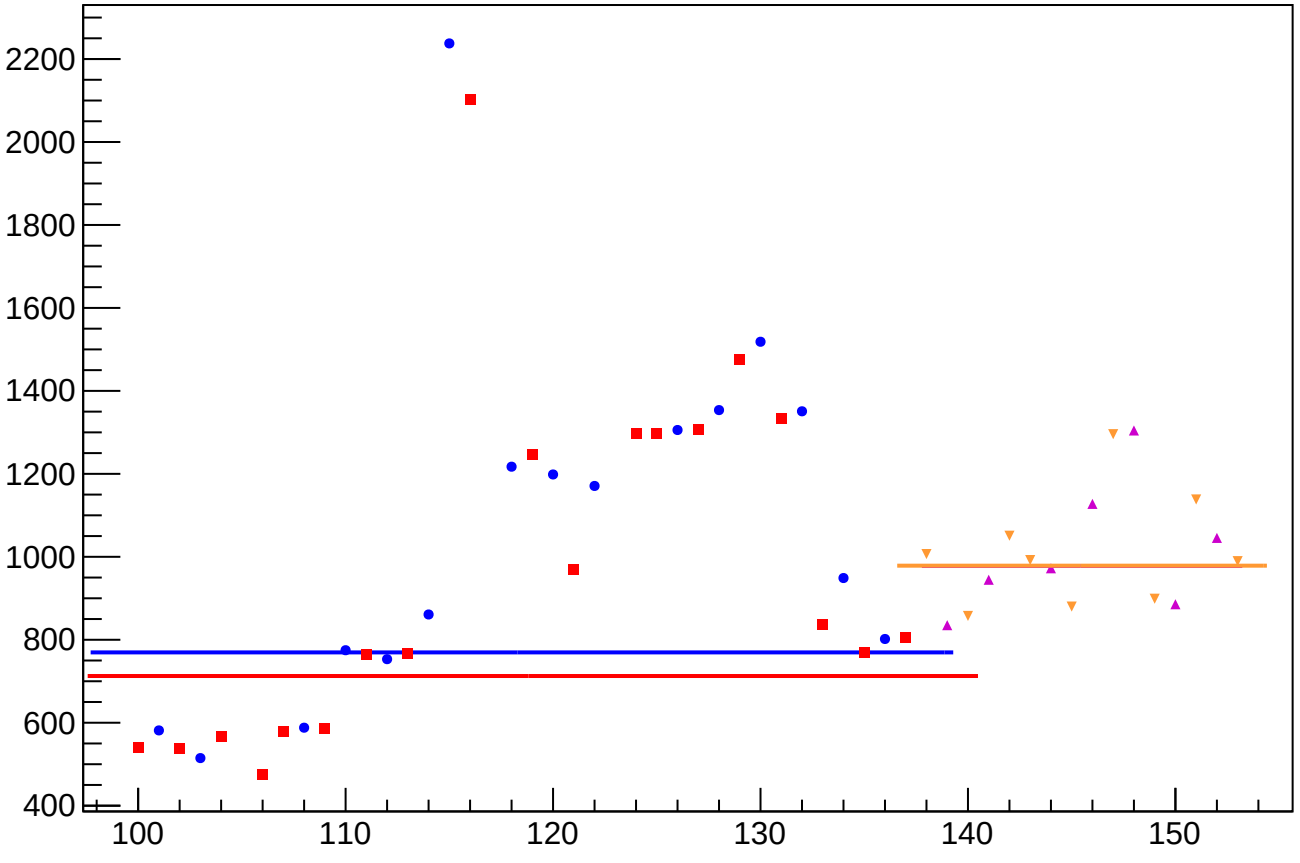
Left In: -715.451+/-400.953 χ^2/NDF:11.3/6

+ sign -41.172+/-236.492 χ^2/NDF: 18.2/24

All: -337.063+/-164.562 χ^2/NDF: 51.0/50

- sign -614.825+/-229.133 χ^2/NDF: 29.7/25

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 978.622+/-0.264 χ^2/NDF:201648.1/8

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

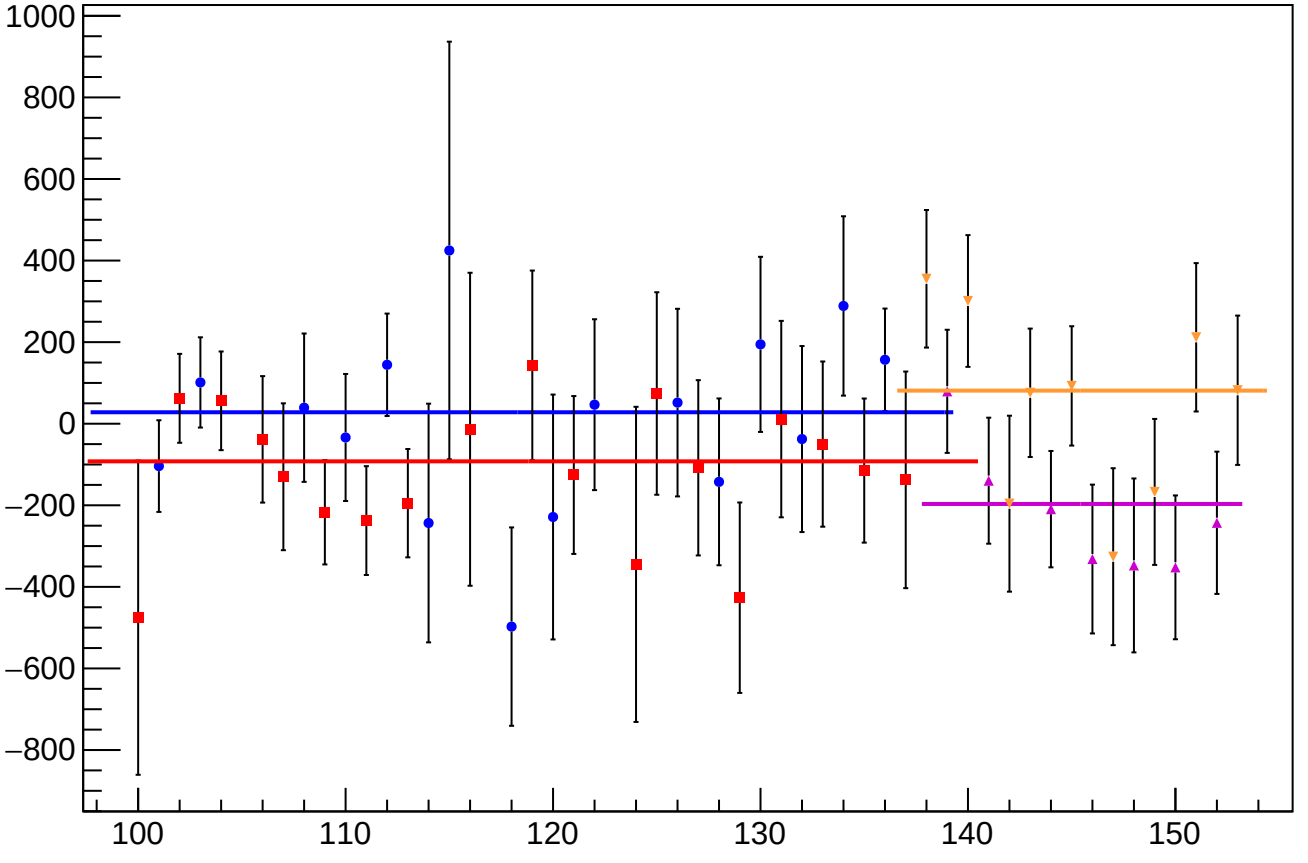
Left In: 977.823+/-0.284 χ^2/NDF:210522.8/6

+ sign 853.198+/-0.167 χ^2/NDF: 2316725.9/24

All: 825.364+/-0.116 χ^2/NDF: 4937380.2/50

- sign 799.235+/-0.162 χ^2/NDF: 2566943.6/25

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 81.141+/-58.261 χ^2/NDF:12.1/8

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

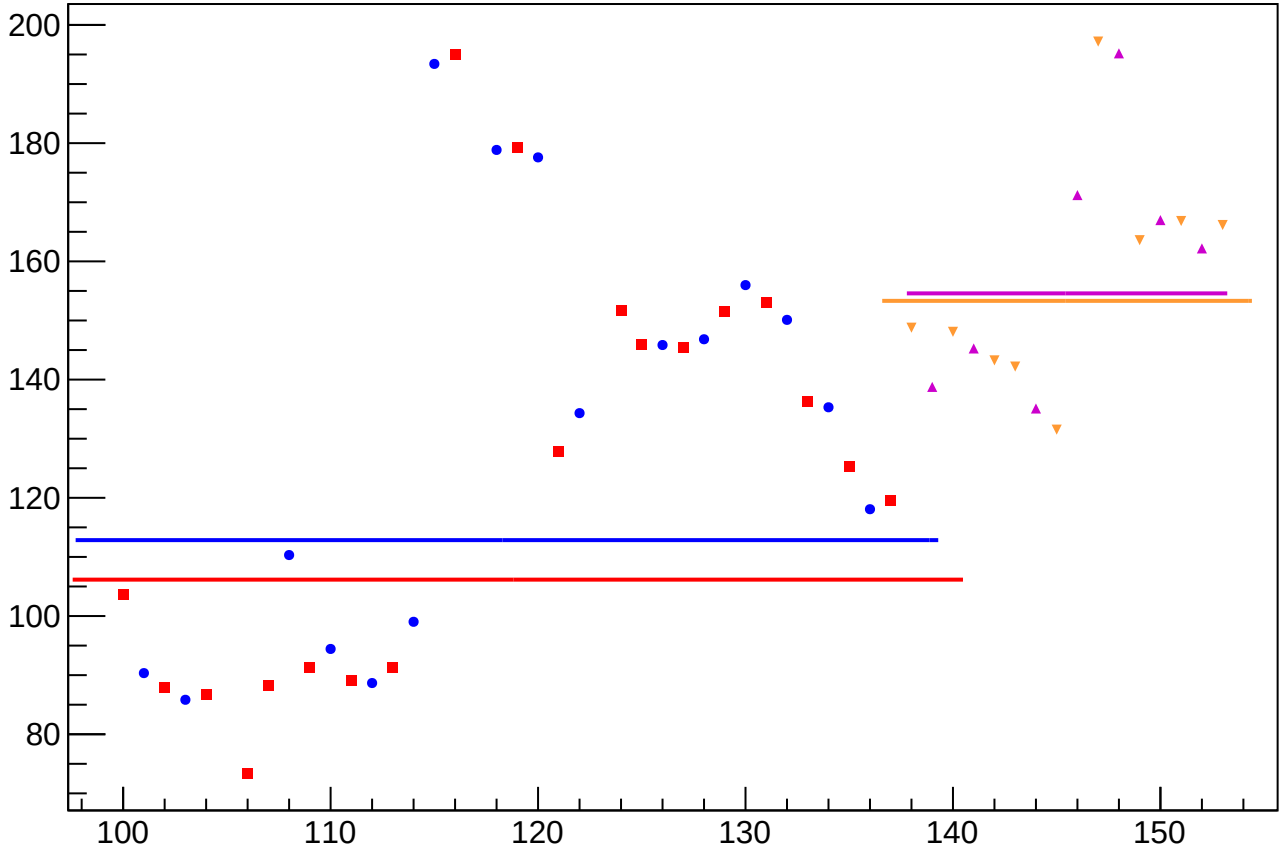
Left In: -196.753+/-62.989 χ^2/NDF:5.4/6

+ sign 47.046+/-34.825 χ^2/NDF: 26.2/24

All: -39.718+/-24.361 χ^2/NDF: 57.4/50

- sign -122.855+/-34.089 χ^2/NDF: 19.0/25

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 153.321+/-0.041 χ^2/NDF:171457.8/8

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

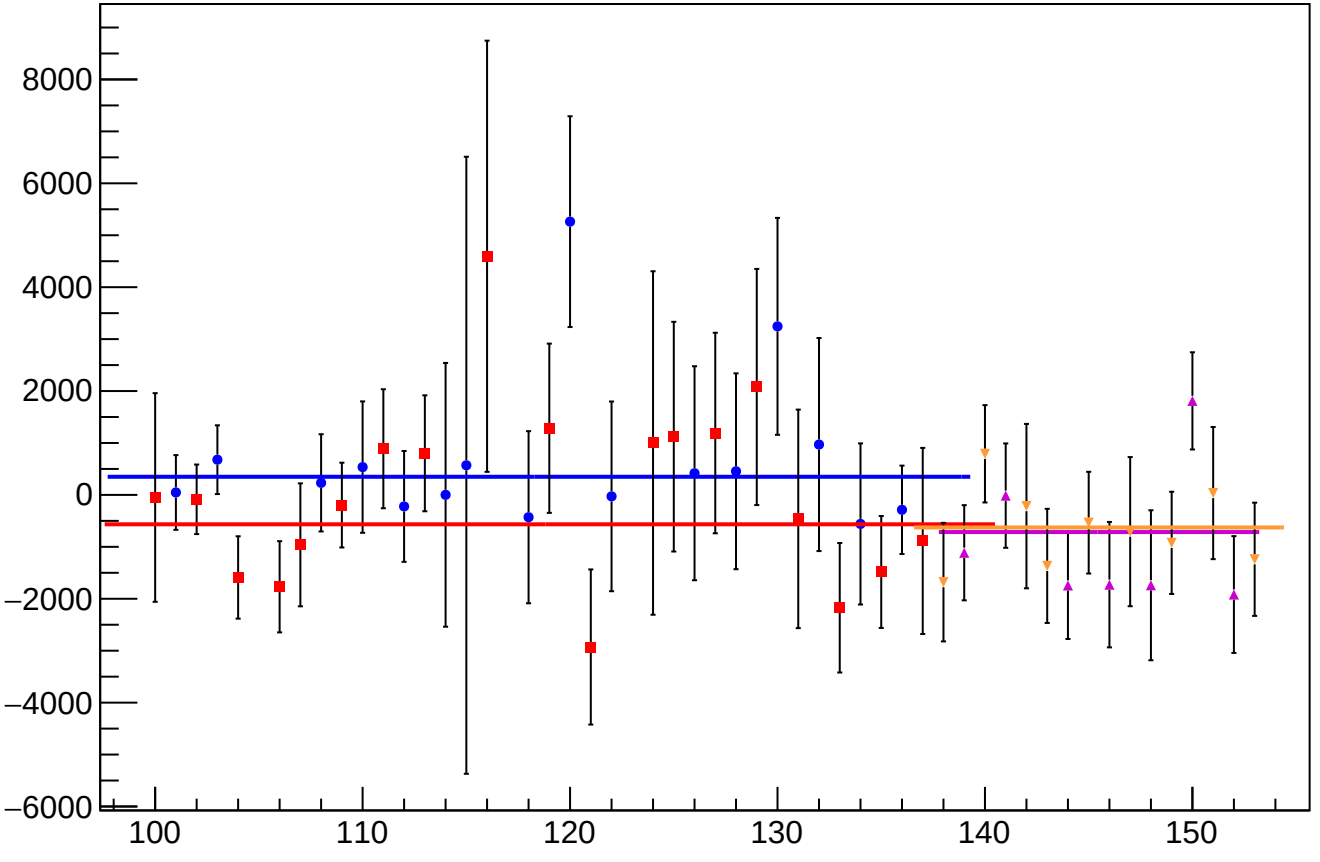
Left In: 154.586+/-0.045 χ^2/NDF:169394.1/6

+ sign 127.305+/-0.025 χ^2/NDF: 1664173.7/24

All: 123.749+/-0.017 χ^2/NDF: 3712474.5/50

- sign 120.342+/-0.024 χ^2/NDF: 2007476.5/25

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -626.430+/-373.896 χ^2/NDF:4.4/8

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

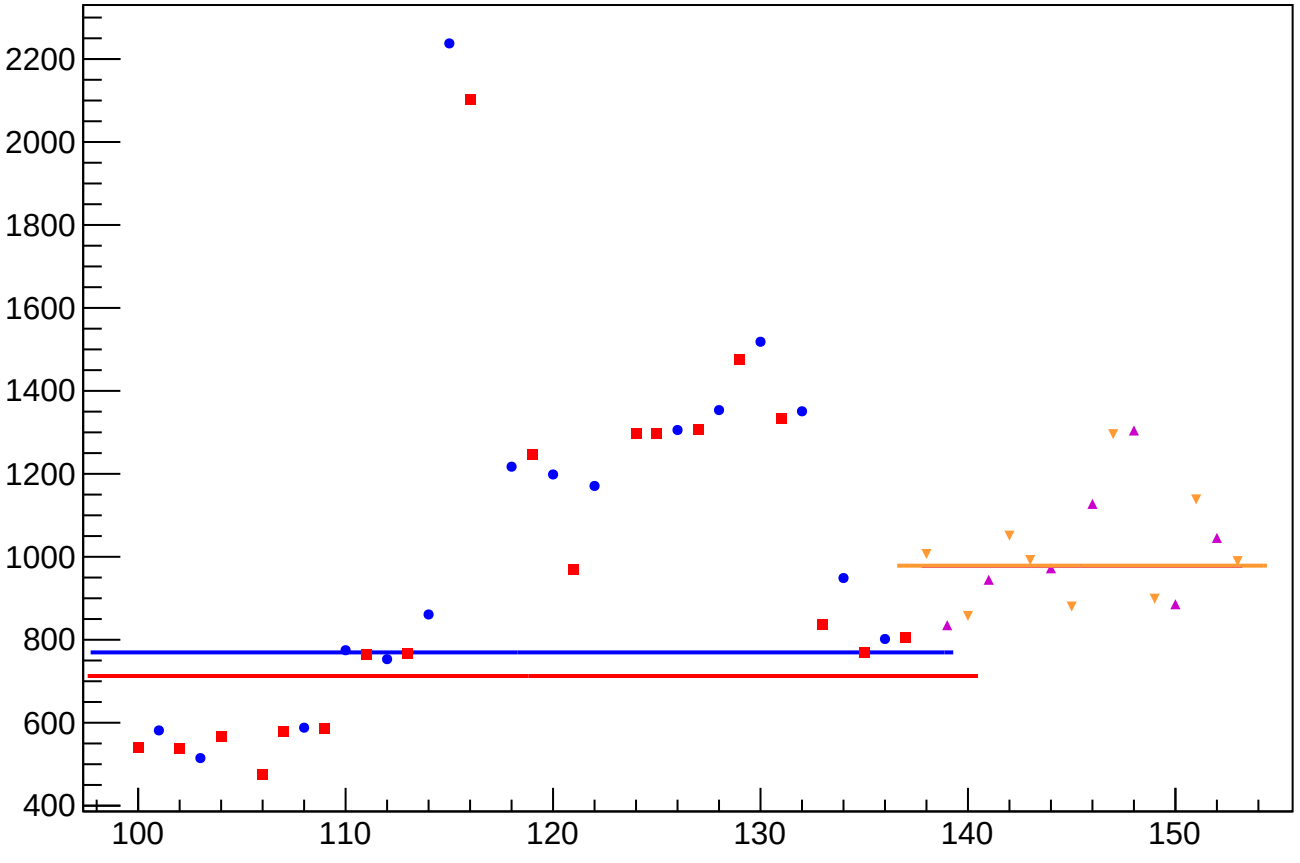
Left In: -715.453+/-400.954 χ^2/NDF:11.3/6

+ sign -41.171+/-236.492 χ^2/NDF: 18.2/24

All: -337.063+/-164.562 χ^2/NDF: 51.0/50

- sign -614.826+/-229.133 χ^2/NDF: 29.7/25

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 978.624+/-0.264 χ^2/NDF:201647.8/8

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

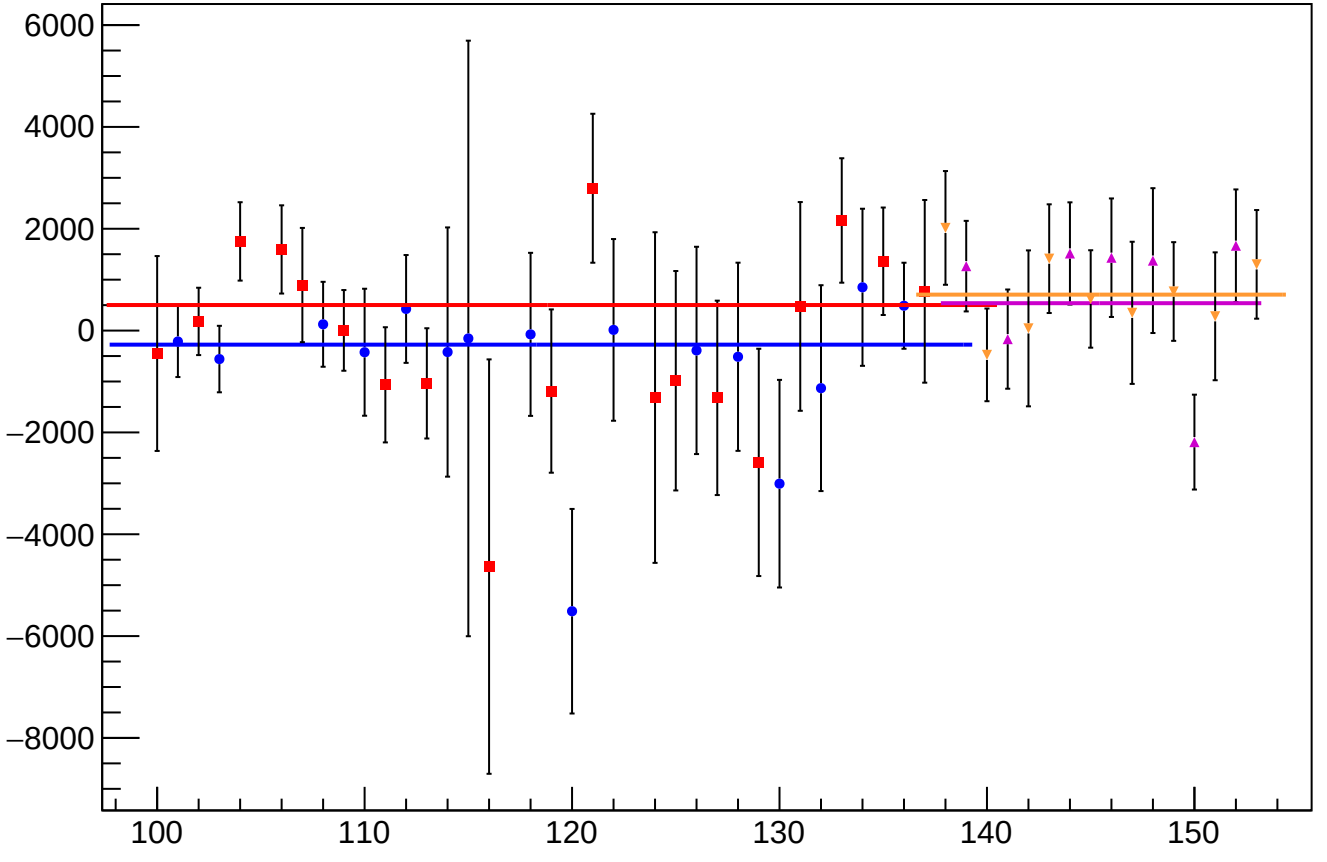
Left In: 977.825+/-0.284 χ^2/NDF:210522.5/6

+ sign 853.198+/-0.167 χ^2/NDF: 2316733.2/24

All: 825.364+/-0.116 χ^2/NDF: 4937393.8/50

- sign 799.235+/-0.162 χ^2/NDF: 2566949.5/25

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 706.289+/-365.245 χ^2/NDF:4.2/8

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

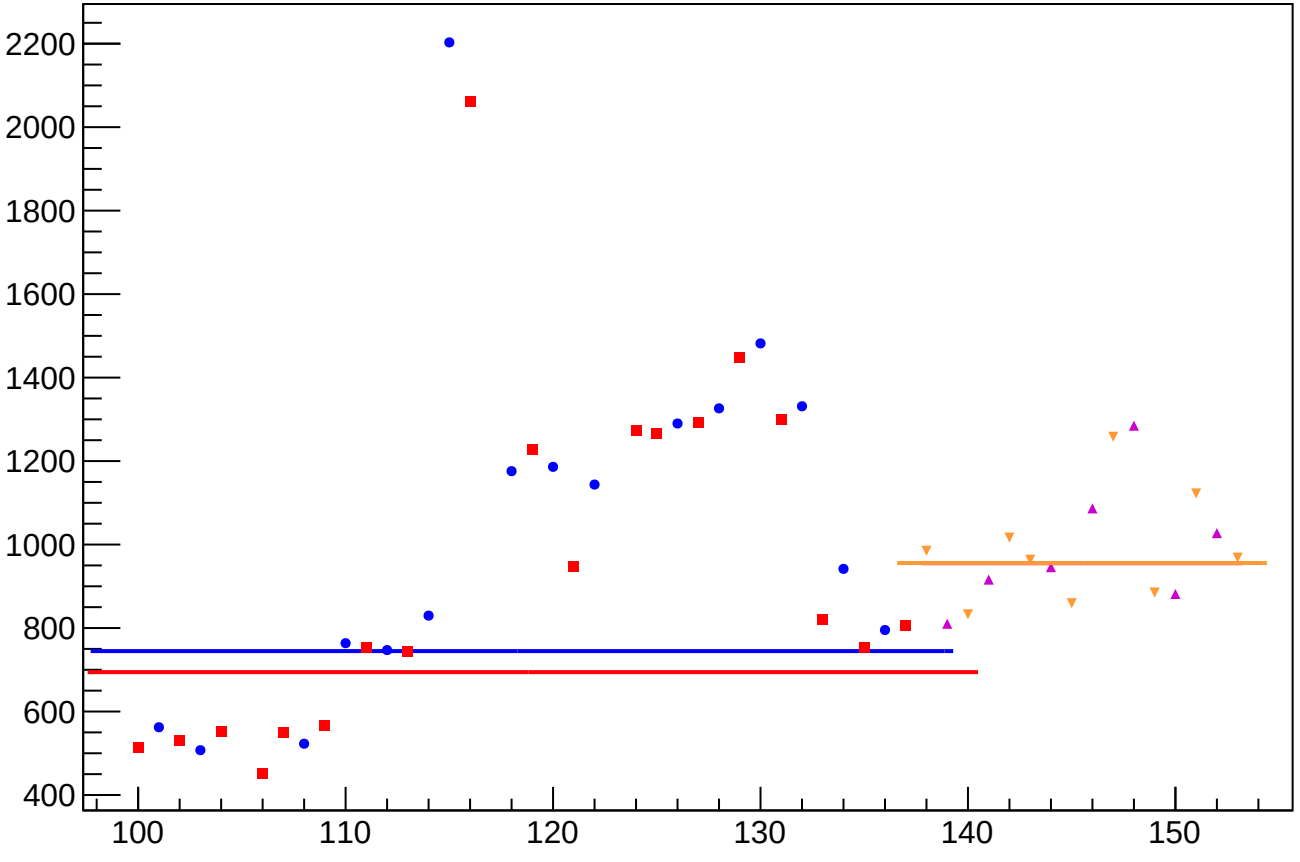
Left In: 538.090+/-391.836 χ^2/NDF:12.7/6

+ sign 114.400+/-230.296 χ^2/NDF: 19.6/24

All: 319.635+/-160.568 χ^2/NDF: 54.3/50

- sign 513.783+/-223.990 χ^2/NDF: 33.2/25

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 955.703+/-0.258 χ^2/NDF:201514.3/8

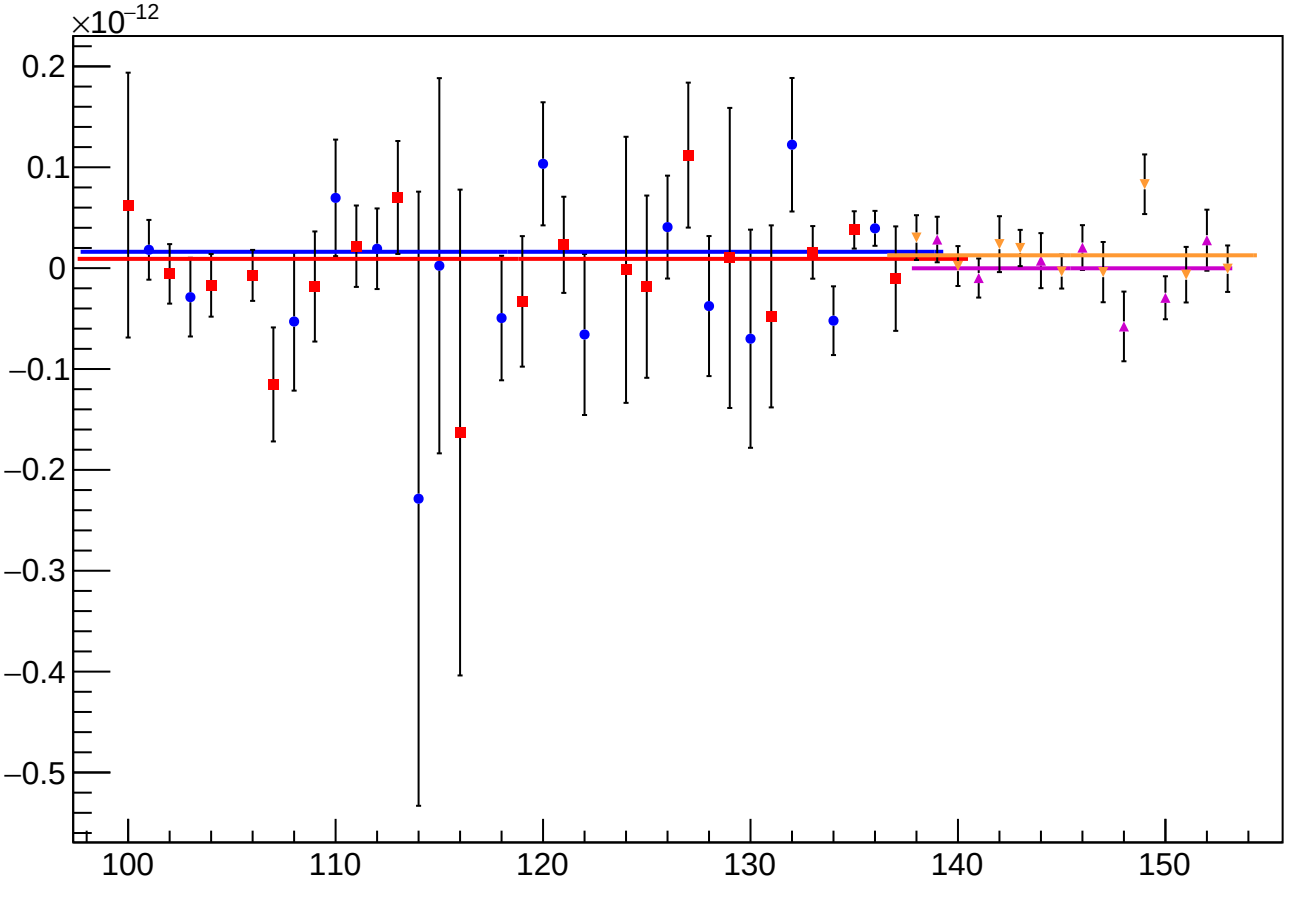
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 955.327+/-0.277 χ^2/NDF:210336.2/6

+ sign 828.636+/-0.163 χ^2/NDF: 2425867.0/24

All: 803.453+/-0.114 χ^2/NDF: 5083786.3/50

- sign 779.629+/-0.158 χ^2/NDF: 2611378.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/8

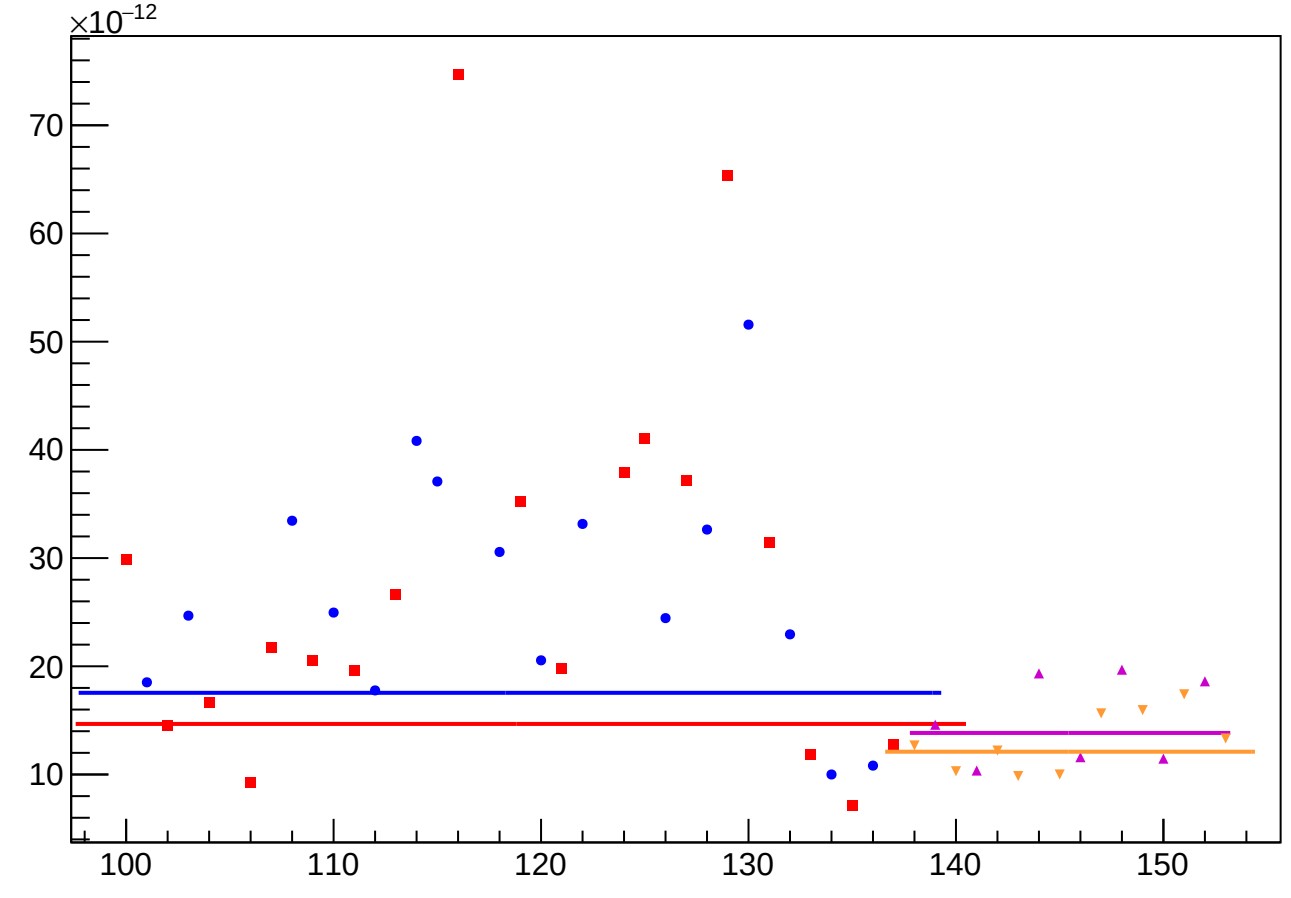
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 27.0/24

All: 0.000+/-0.000 χ^2/NDF: 51.0/50

- sign 0.000+/-0.000 χ^2/NDF: 22.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:222214.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

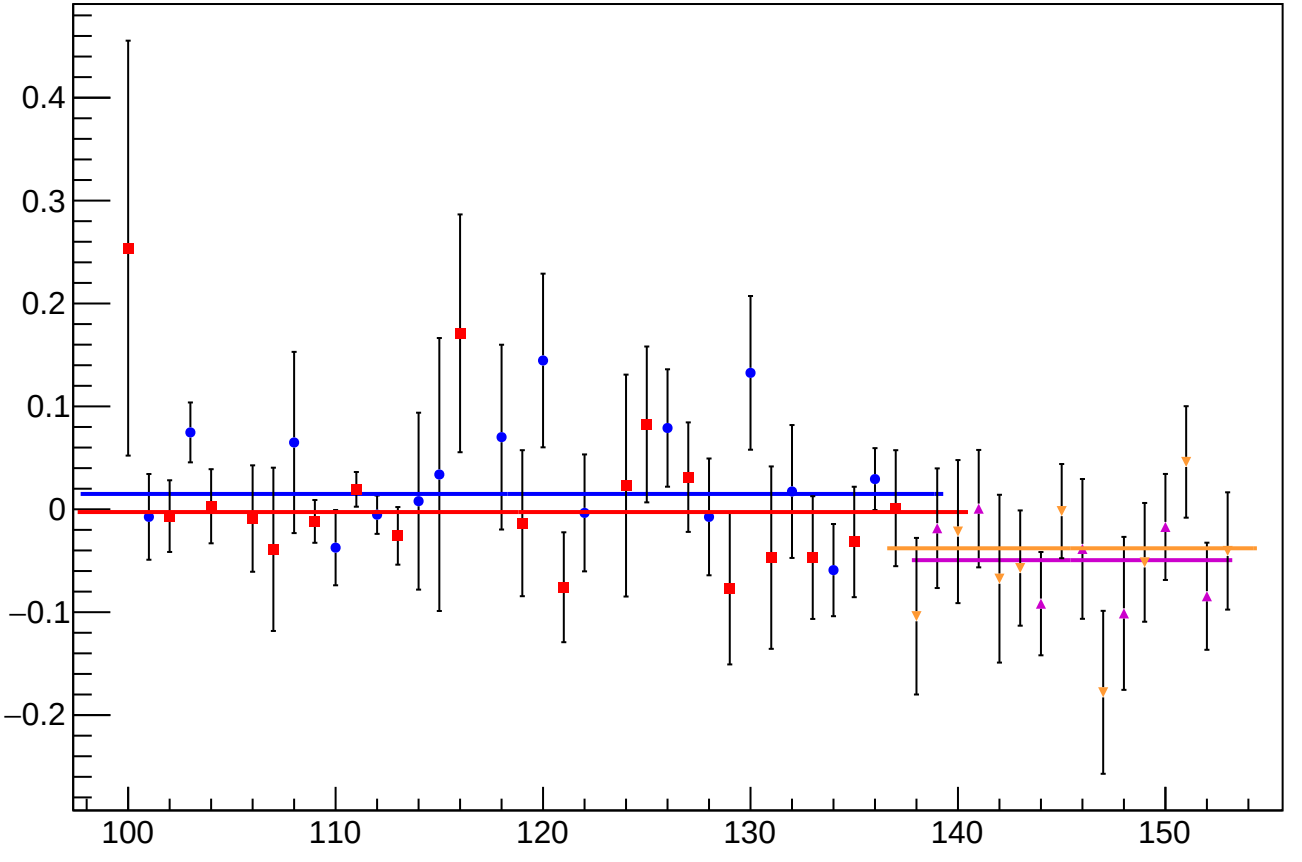
Left In: 0.000+/-0.000 χ^2/NDF:300030.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 1728071.6/24

All: 0.000+/-0.000 χ^2/NDF: 3780991.4/50

- sign 0.000+/-0.000 χ^2/NDF: 2049785.7/25

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.020 χ^2/NDF:7.3/8

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

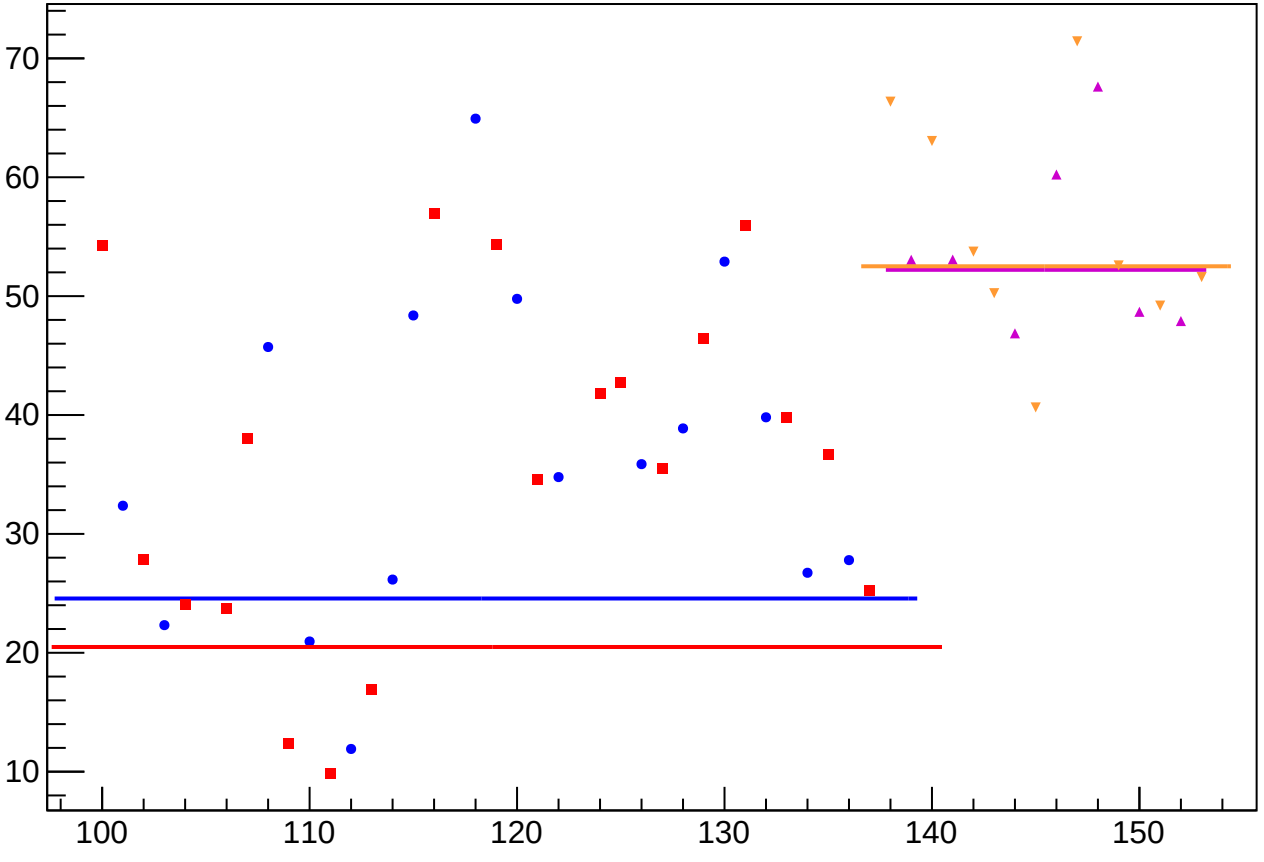
Left In: -0.049+/-0.022 χ^2/NDF:3.1/6

+ sign 0.004+/-0.009 χ^2/NDF: 30.4/24

All: -0.004+/-0.006 χ^2/NDF: 51.0/50

- sign -0.010+/-0.008 χ^2/NDF: 19.5/25

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.511+/-0.014 χ^2/NDF:372689.4/8

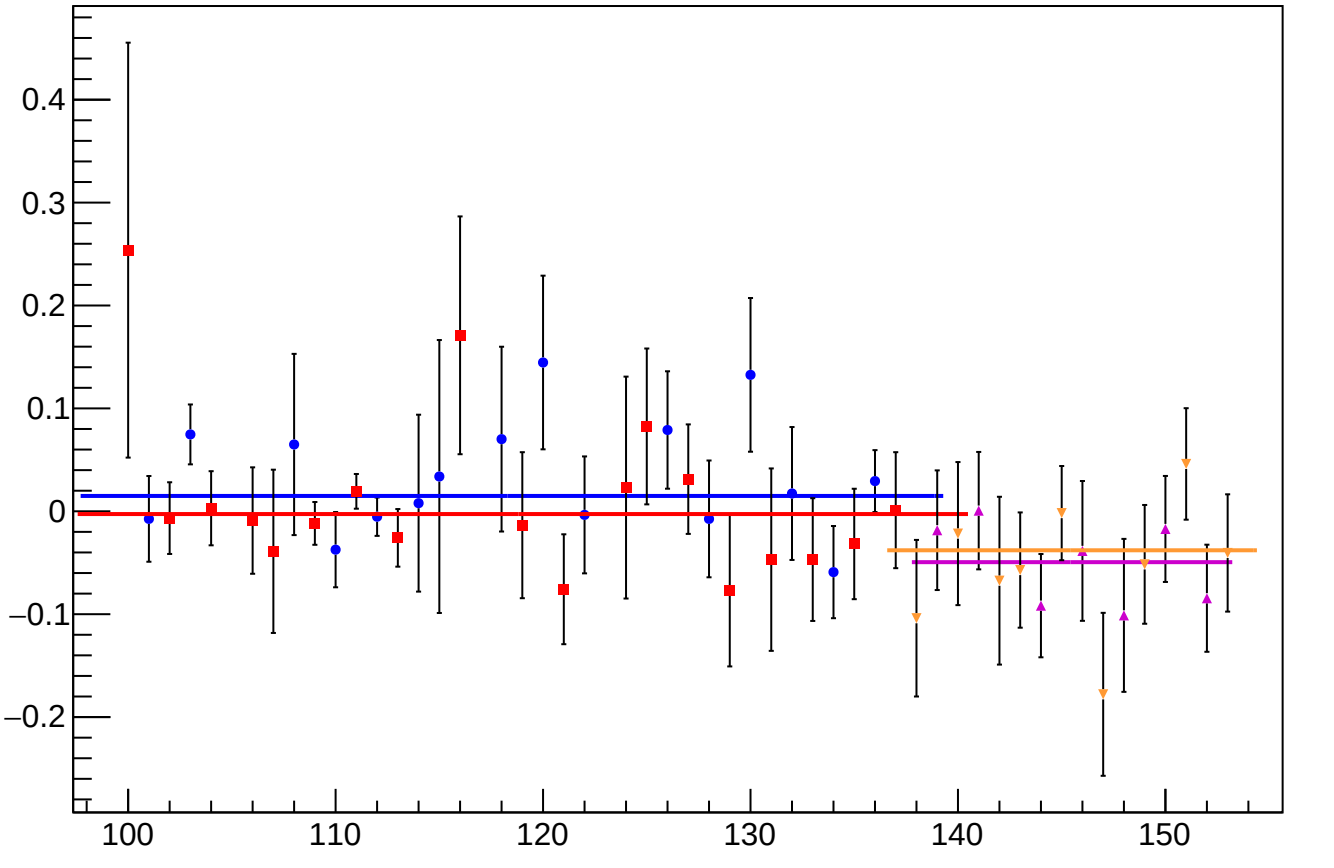
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.214+/-0.015 χ^2/NDF:160489.4/6

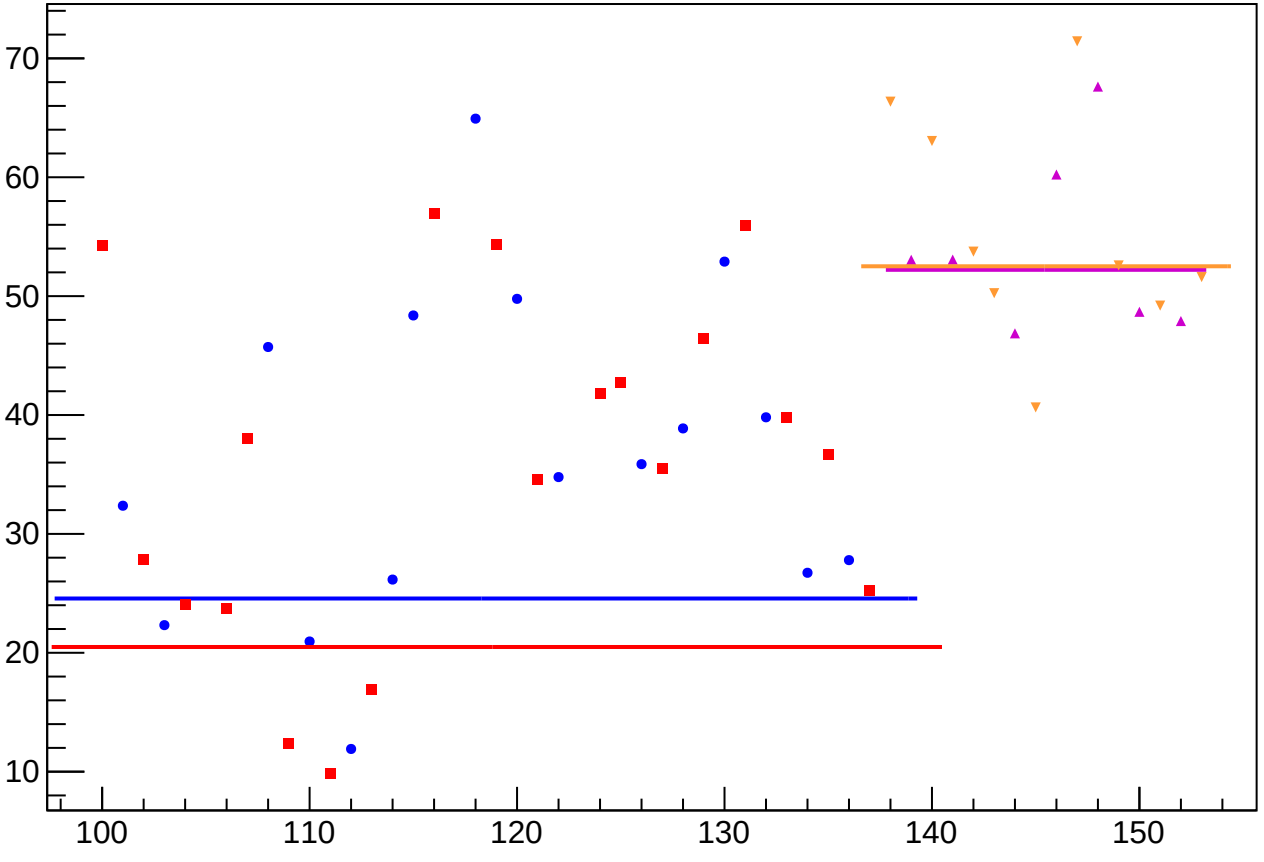
+ sign 30.557+/-0.007 χ^2/NDF: 5844329.9/24

All: 27.710+/-0.004 χ^2/NDF: 13572694.7/50

- sign 25.384+/-0.006 χ^2/NDF: 7393927.9/25


asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.038+/-0.020 χ²/NDF:7.3/8
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.049+/-0.022 χ²/NDF:3.1/6
+ sign 0.004+/-0.009 χ²/NDF: 30.4/24
All: -0.004+/-0.006 χ²/NDF: 51.0/50
- sign -0.010+/-0.008 χ²/NDF: 19.5/25

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.511+/-0.014 χ^2/NDF:372689.4/8

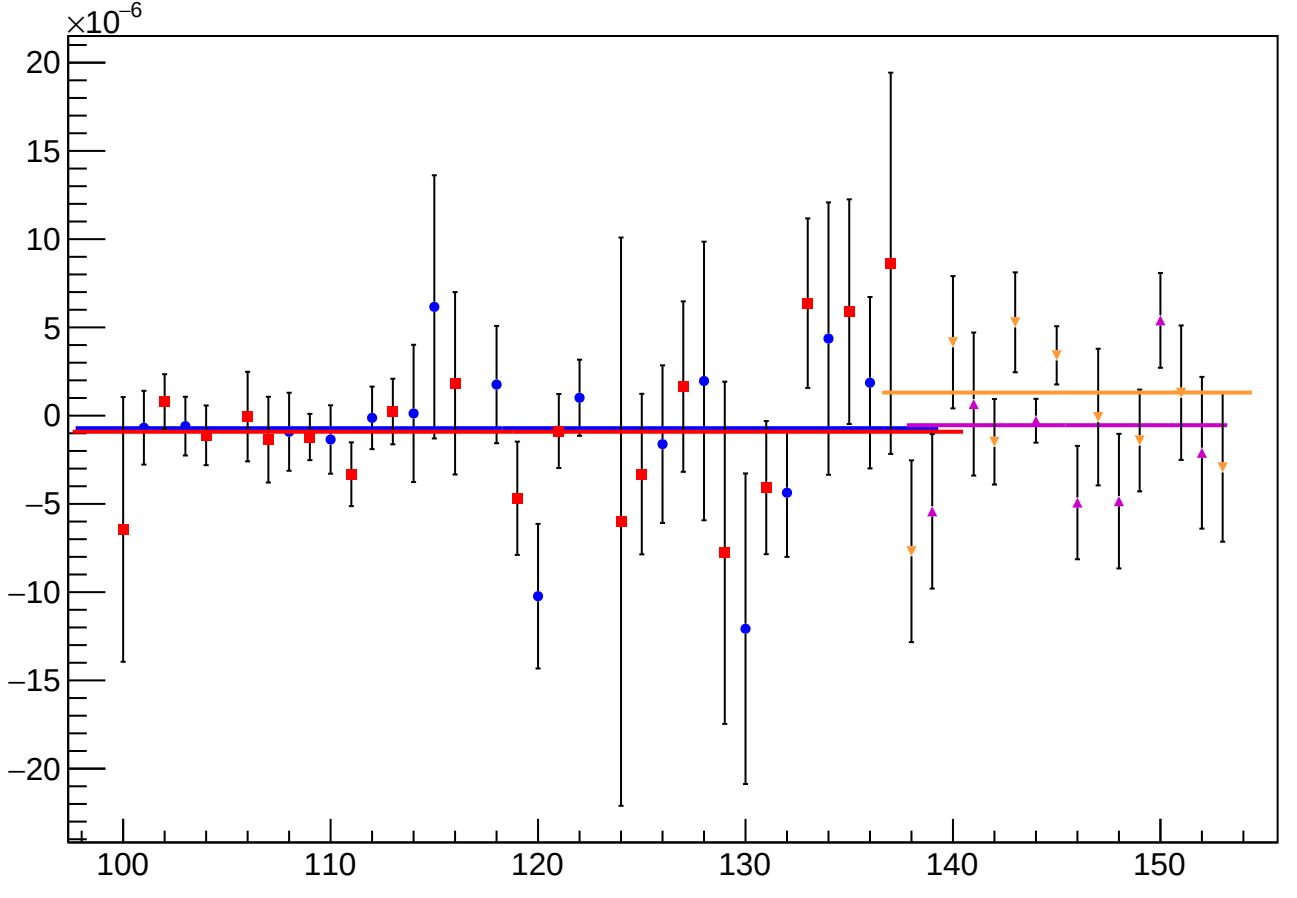
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.214+/-0.015 χ^2/NDF:160489.4/6

+ sign 30.557+/-0.007 χ^2/NDF: 5844329.9/24

All: 27.710+/-0.004 χ^2/NDF: 13572694.7/50

- sign 25.384+/-0.006 χ^2/NDF: 7393927.9/25



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/8

Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

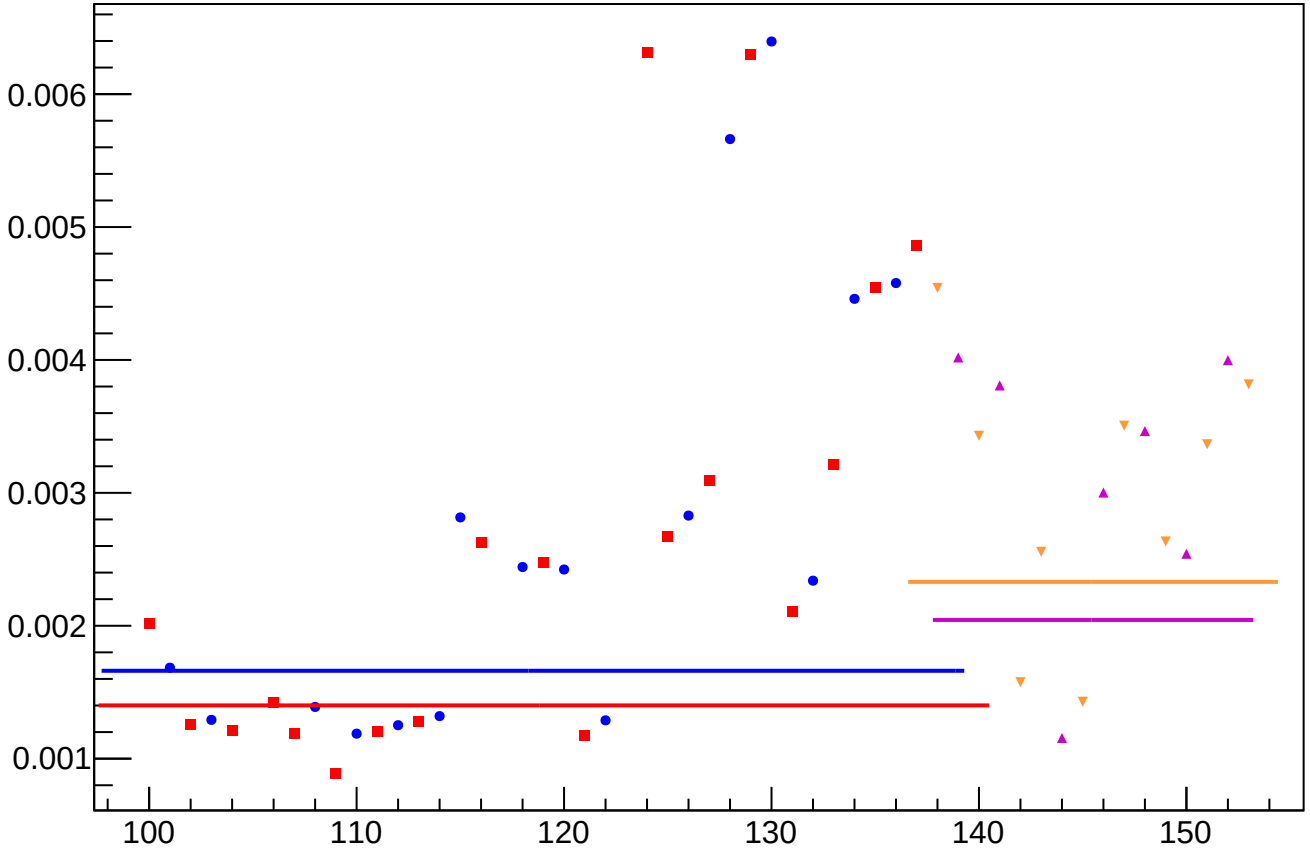
Left In: -0.000+/-0.000 χ^2/NDF:9.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/24

All: -0.000+/-0.000 χ^2/NDF: 47.4/50

- sign -0.000+/-0.000 χ^2/NDF: 21.5/25

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1947919.0/8

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

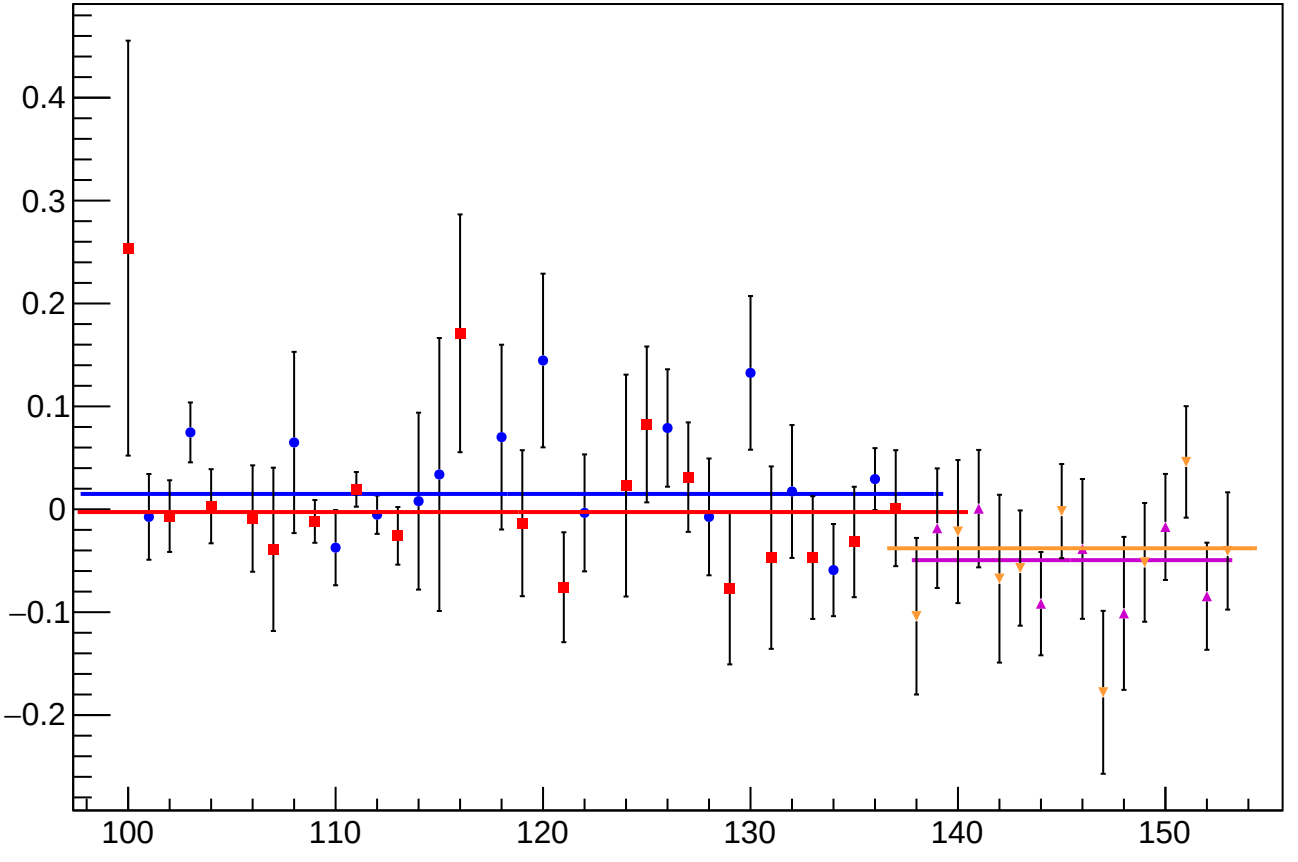
Left In: 0.002+/-0.000 χ^2/NDF:2748269.3/6

+ sign 0.002+/-0.000 χ^2/NDF: 5523689.1/24

All: 0.002+/-0.000 χ^2/NDF: 12200398.0/50

- sign 0.002+/-0.000 χ^2/NDF: 6331976.1/25

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.020 χ^2/NDF:7.3/8

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

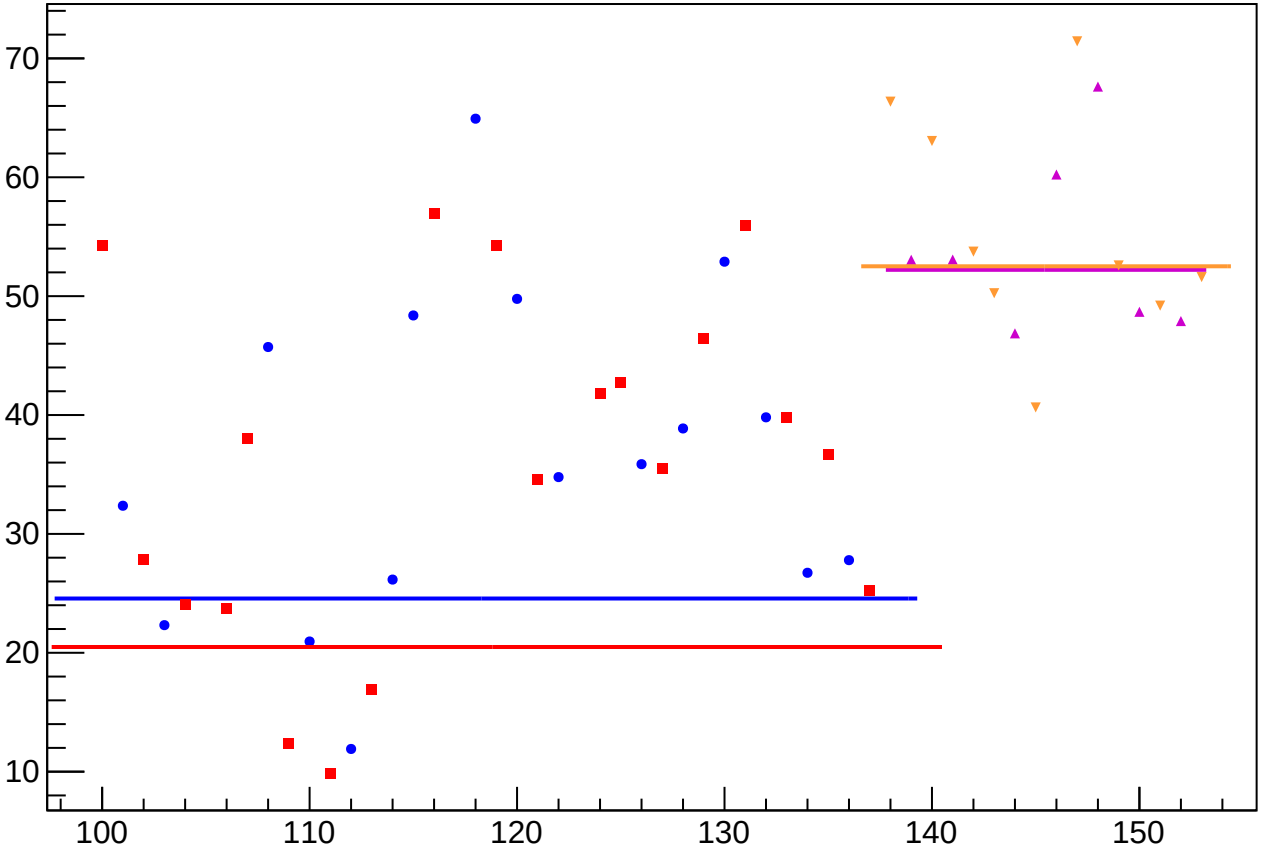
Left In: -0.049+/-0.022 χ^2/NDF:3.1/6

+ sign 0.004+/-0.009 χ^2/NDF: 30.4/24

All: -0.004+/-0.006 χ^2/NDF: 51.0/50

- sign -0.010+/-0.008 χ^2/NDF: 19.5/25

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.512+/-0.014 χ^2/NDF:372745.8/8

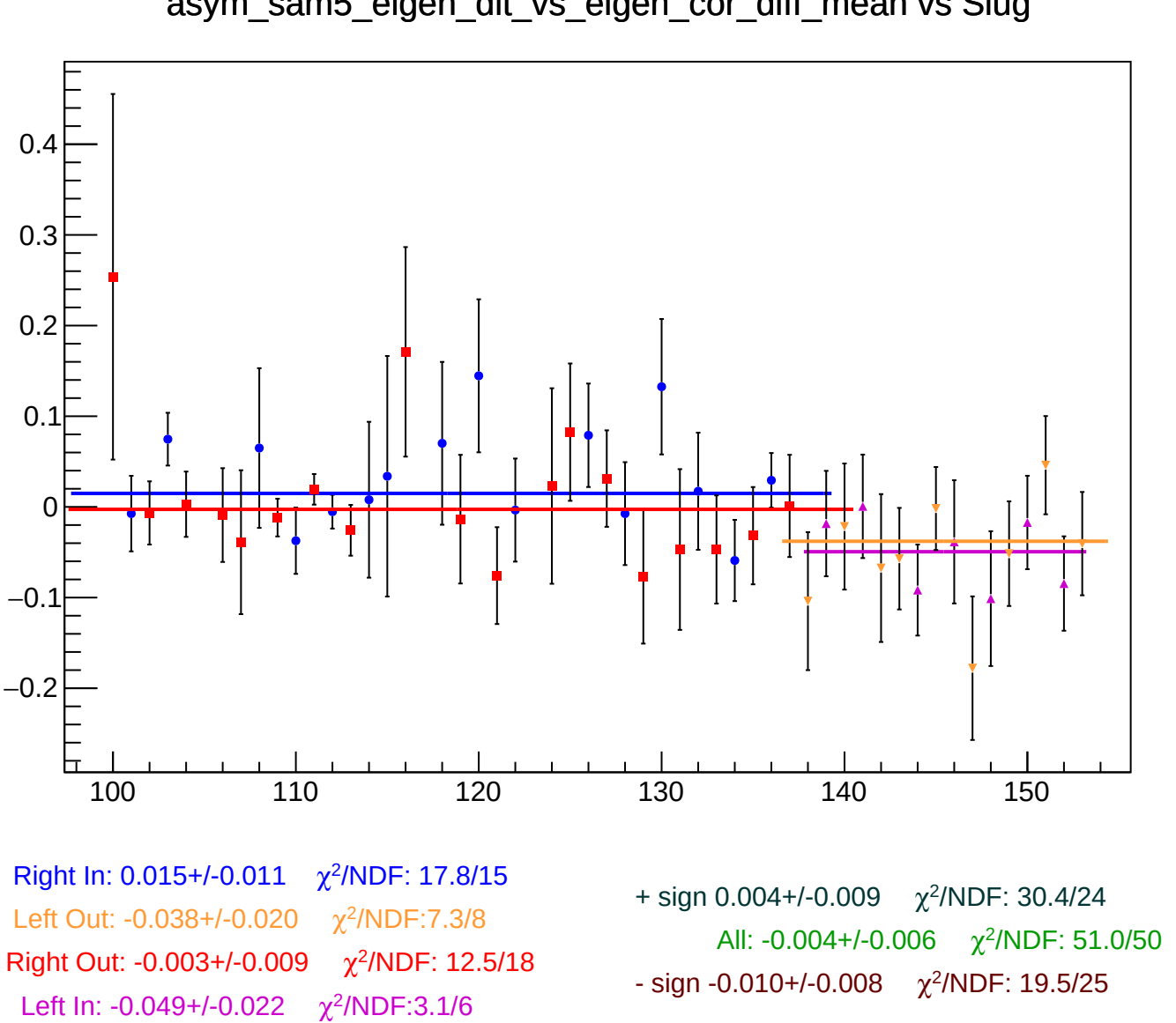
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.215+/-0.015 χ^2/NDF:160520.5/6

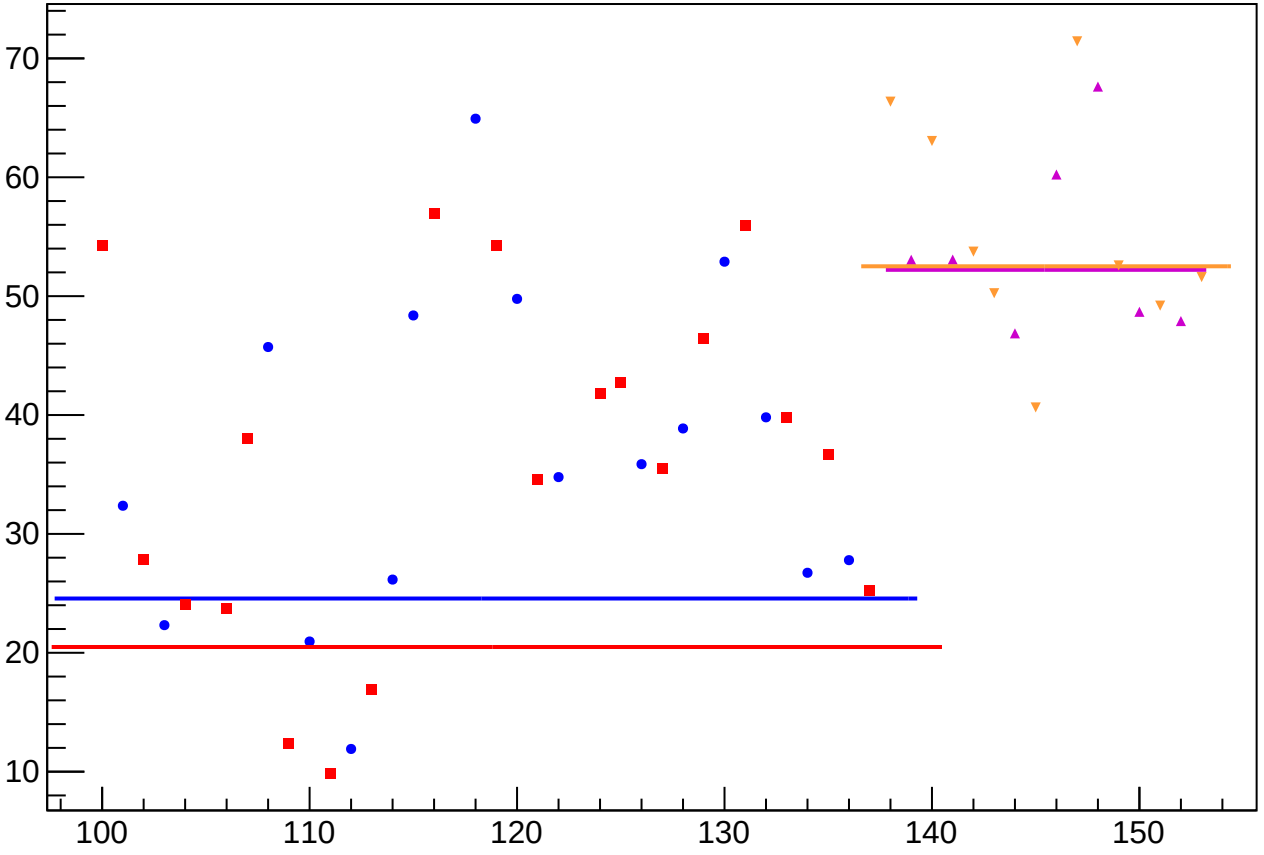
+ sign 30.556+/-0.007 χ^2/NDF: 5844481.6/24

All: 27.710+/-0.004 χ^2/NDF: 13573082.6/50

- sign 25.383+/-0.006 χ^2/NDF: 7394146.9/25


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.038+/-0.020 χ²/NDF:7.3/8
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.049+/-0.022 χ²/NDF:3.1/6
+ sign 0.004+/-0.009 χ²/NDF: 30.4/24
All: -0.004+/-0.006 χ²/NDF: 51.0/50
- sign -0.010+/-0.008 χ²/NDF: 19.5/25

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.512+/-0.014 χ^2/NDF:372745.8/8

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

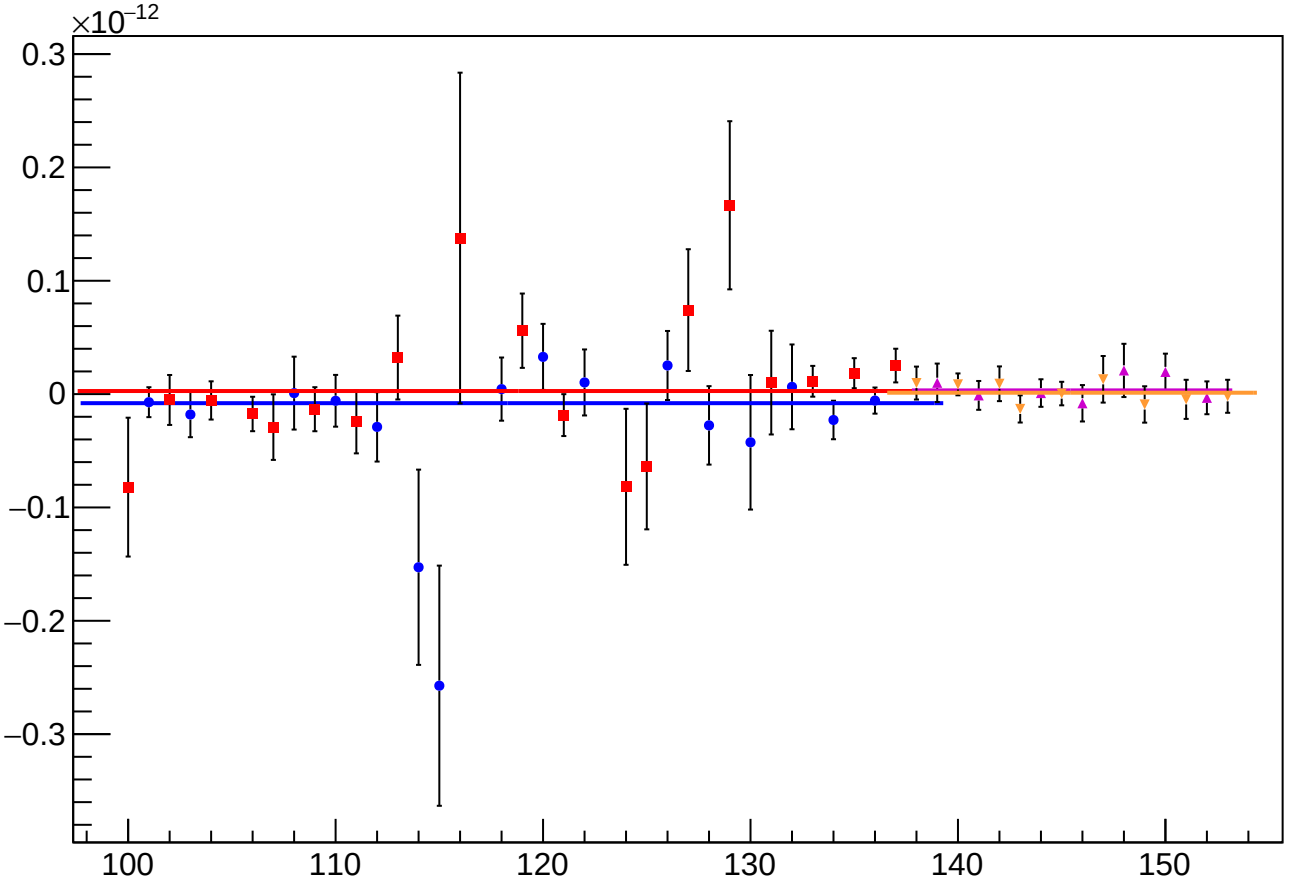
Left In: 52.215+/-0.015 χ^2/NDF:160520.5/6

+ sign 30.556+/-0.007 χ^2/NDF: 5844481.6/24

All: 27.710+/-0.004 χ^2/NDF: 13573082.6/50

- sign 25.383+/-0.006 χ^2/NDF: 7394146.9/25

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

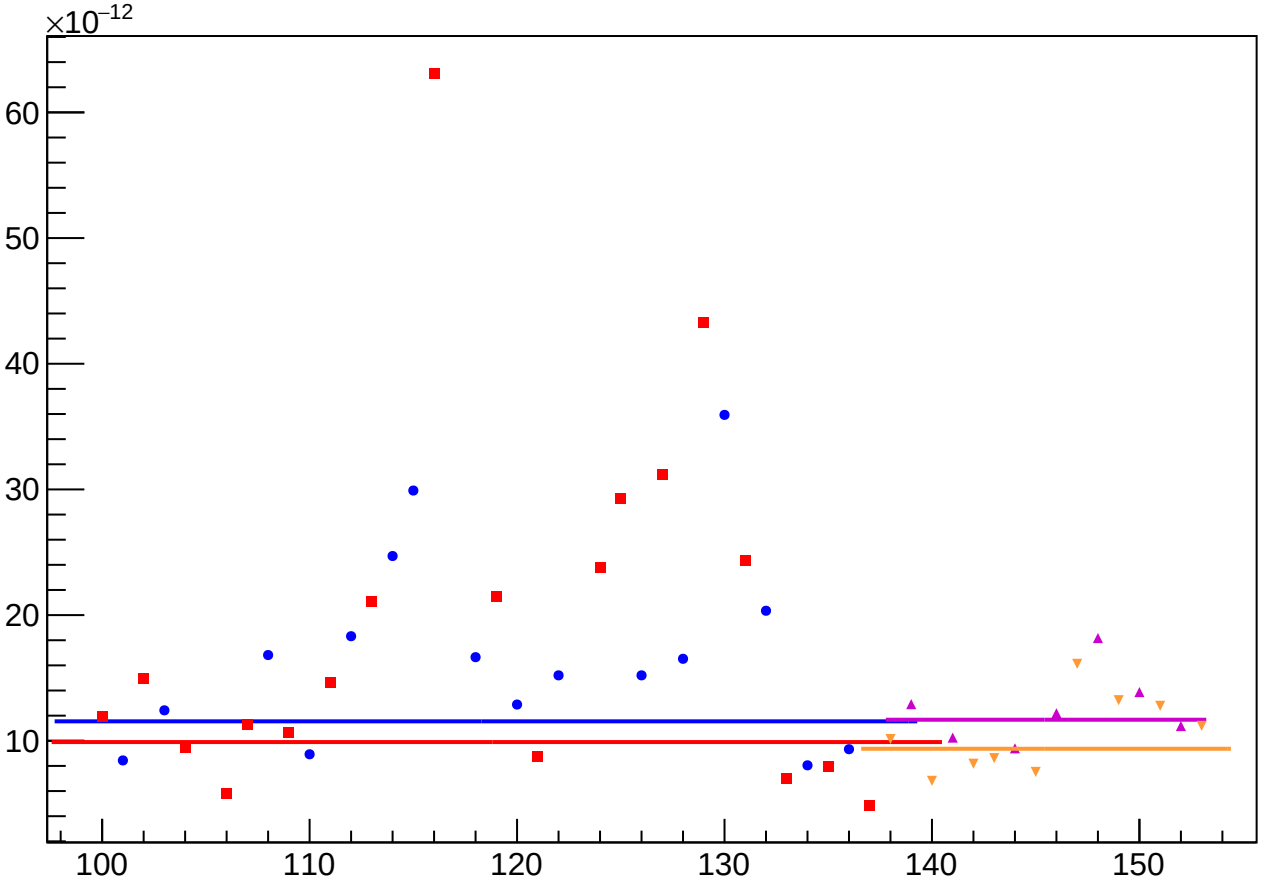
Left In: 0.000+/-0.000 χ^2/NDF:2.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.6/24

All: 0.000+/-0.000 χ^2/NDF: 49.3/50

- sign 0.000+/-0.000 χ^2/NDF: 28.7/25

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:670115.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

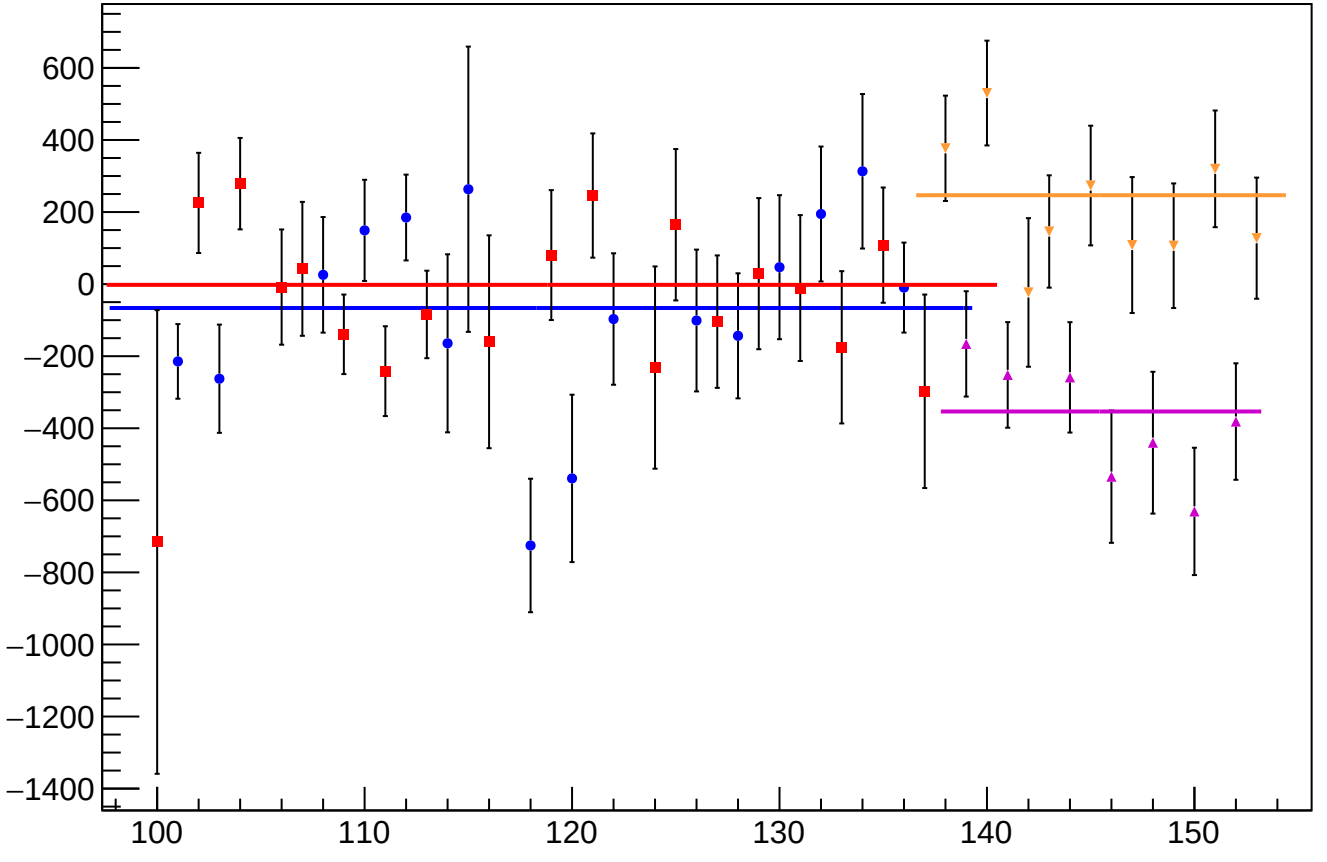
Left In: 0.000+/-0.000 χ^2/NDF:300883.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 2028792.2/24

All: 0.000+/-0.000 χ^2/NDF: 5091682.0/50

- sign 0.000+/-0.000 χ^2/NDF: 3042814.2/25

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 246.728+/-55.035 χ^2/NDF:8.7/8

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

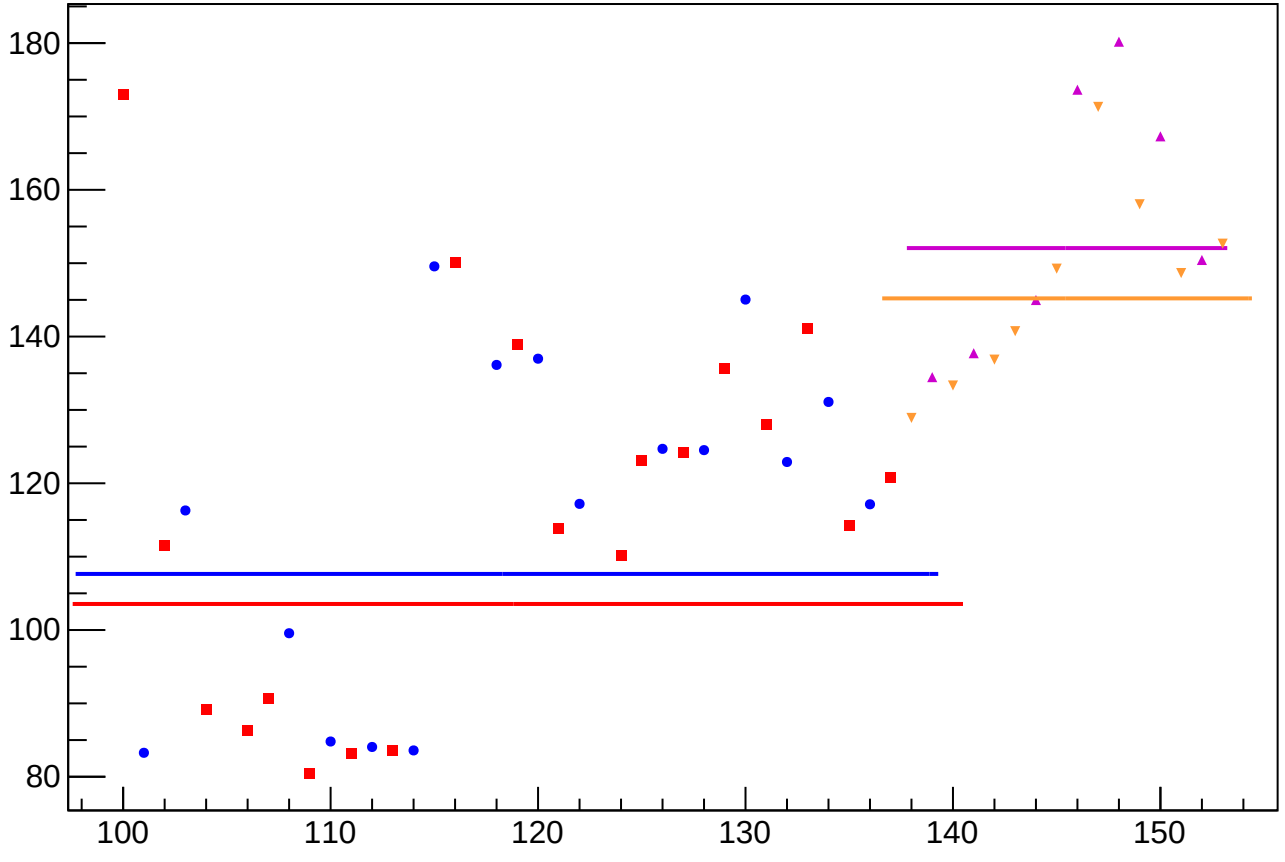
Left In: -353.489+/-61.806 χ^2/NDF:6.2/6

+ sign 45.248+/-32.847 χ^2/NDF: 63.9/24

All: -28.062+/-23.245 χ^2/NDF: 124.3/50

- sign -101.618+/-32.902 χ^2/NDF: 50.5/25

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 145.203+/-0.039 χ^2/NDF:98470.9/8

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

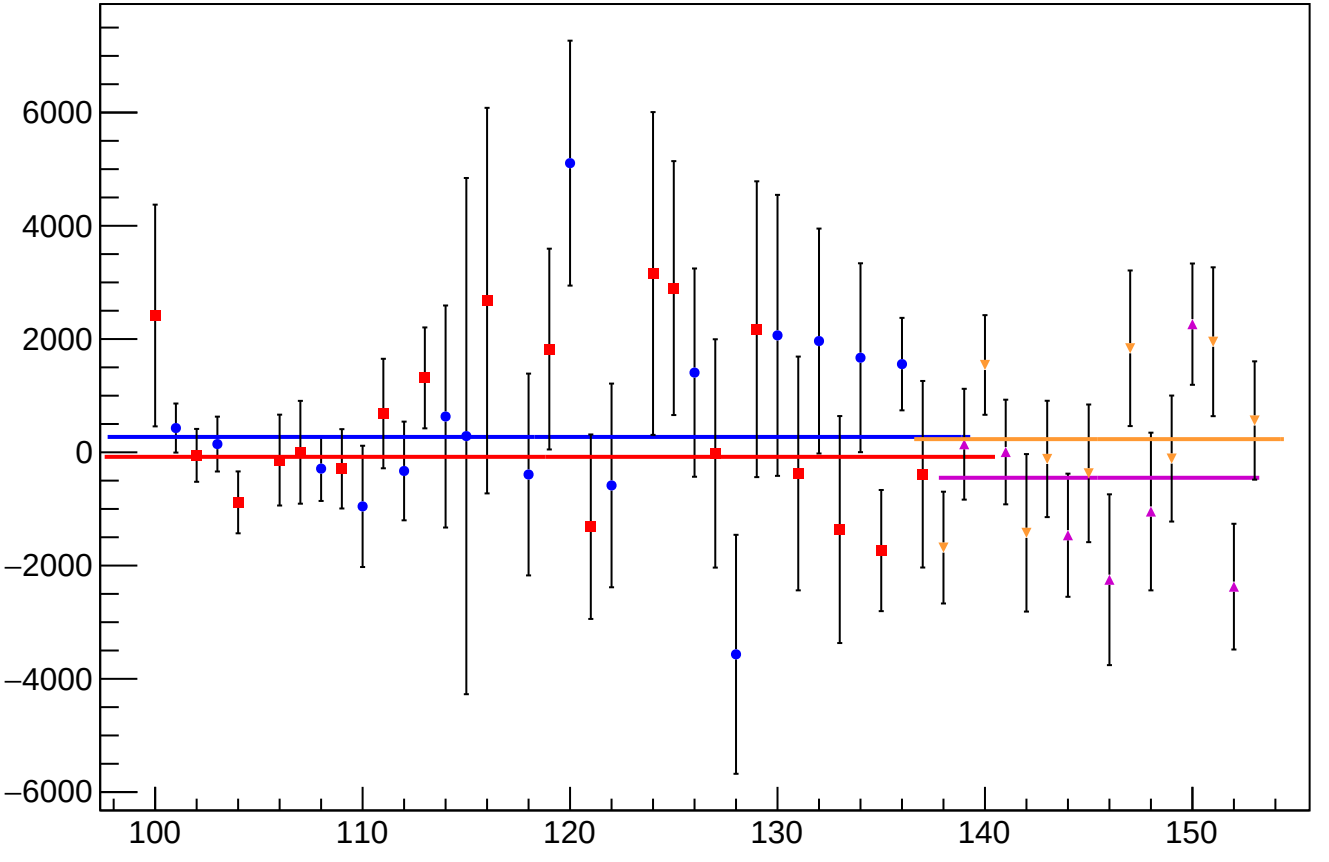
Left In: 152.060+/-0.044 χ^2/NDF:135931.6/6

+ sign 121.023+/-0.023 χ^2/NDF: 1230971.6/24

All: 119.163+/-0.016 χ^2/NDF: 2880015.4/50

- sign 117.297+/-0.023 χ^2/NDF: 1636197.0/25

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 232.664+/-370.293 χ^2/NDF:11.0/8

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

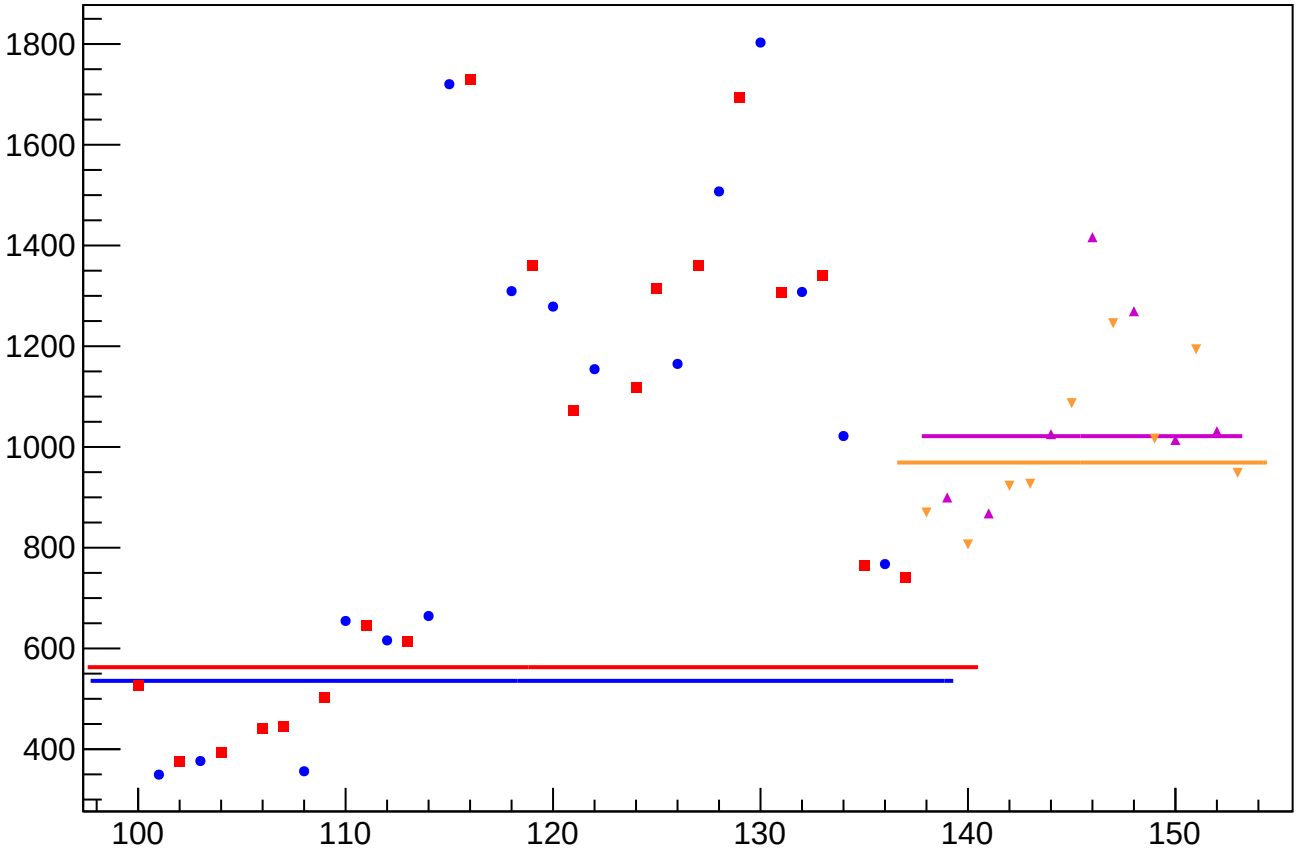
Left In: -449.753+/-418.832 χ^2/NDF:12.5/6

+ sign 260.647+/-195.784 χ^2/NDF: 27.5/24

All: 54.622+/-140.939 χ^2/NDF: 58.9/50

- sign -166.974+/-203.048 χ^2/NDF: 29.1/25

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 969.103+/-0.262 χ^2/NDF:256818.4/8

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

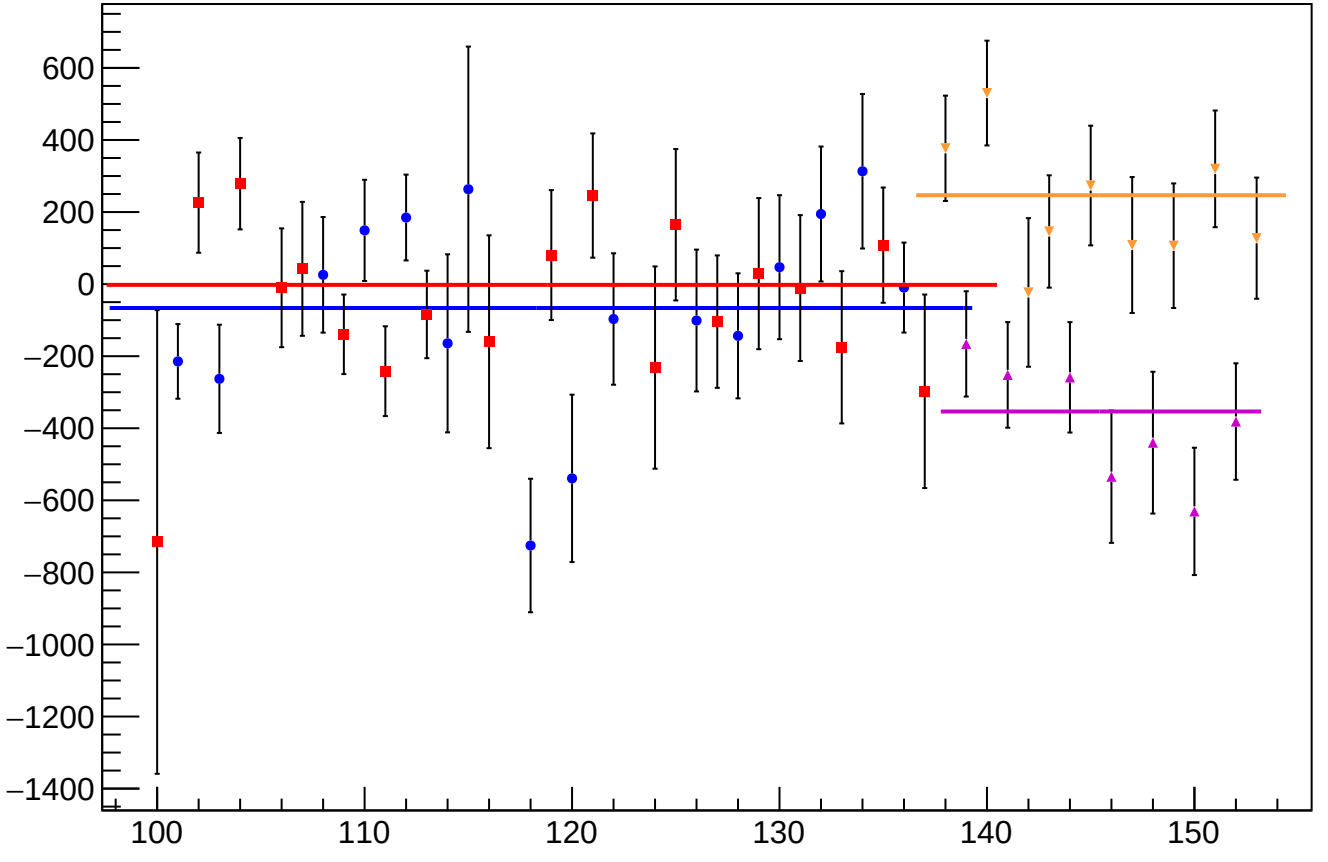
Left In: 1021.451+/-0.296 χ^2/NDF:286988.2/6

+ sign 656.847+/-0.138 χ^2/NDF: 5863257.9/24

All: 663.488+/-0.100 χ^2/NDF: 11100374.8/50

- sign 670.630+/-0.144 χ^2/NDF: 5232341.4/25

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 246.733+/-55.035 χ^2/NDF:8.7/8

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

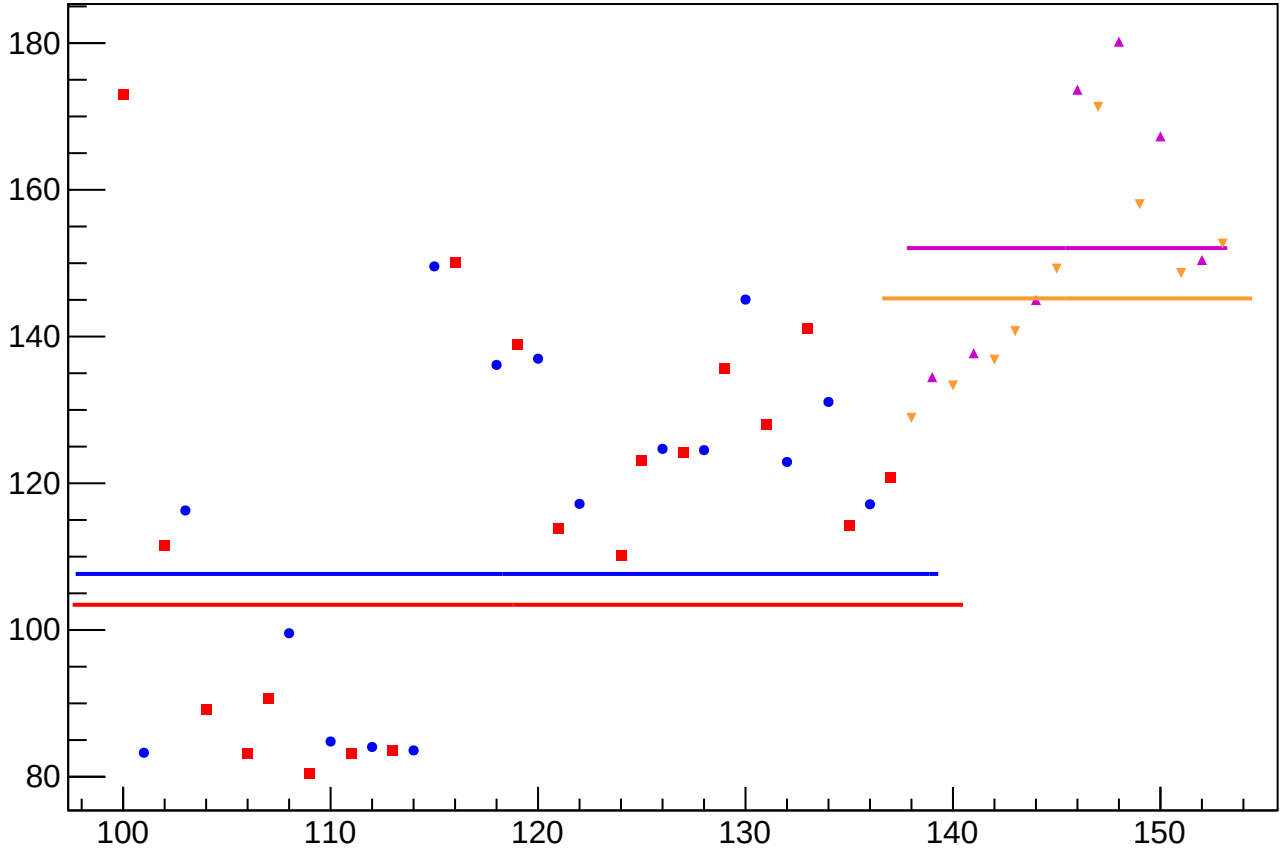
Left In: -353.487+/-61.806 χ^2/NDF:6.2/6

+ sign 45.233+/-32.847 χ^2/NDF: 63.9/24

All: -28.119+/-23.260 χ^2/NDF: 124.3/50

- sign -101.907+/-32.944 χ^2/NDF: 50.4/25

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 145.203+/-0.039 χ^2/NDF:98470.9/8

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

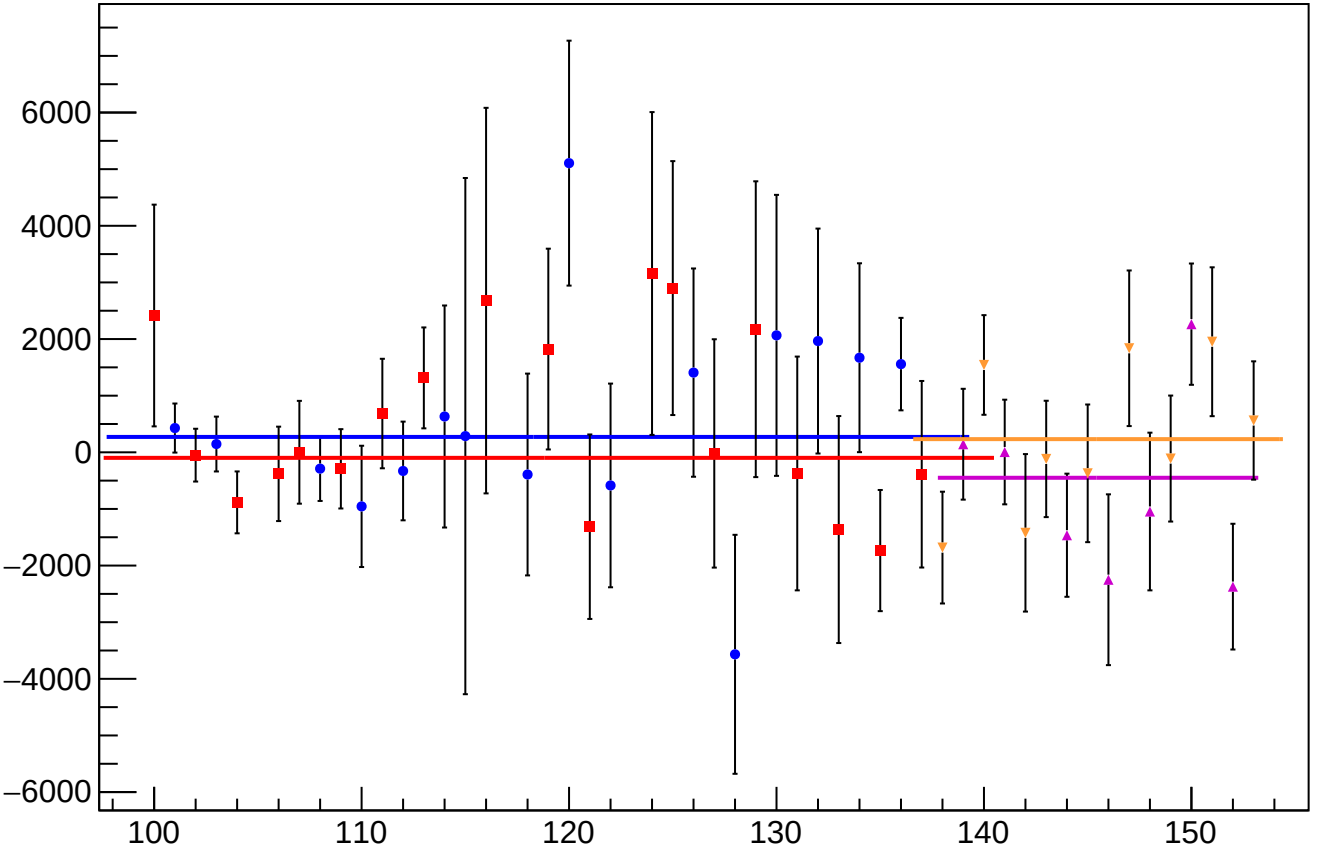
Left In: 152.060+/-0.044 χ^2/NDF:135931.6/6

+ sign 121.023+/-0.023 χ^2/NDF: 1230971.0/24

All: 119.143+/-0.016 χ^2/NDF: 2890889.4/50

- sign 117.252+/-0.023 χ^2/NDF: 1646778.5/25

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 232.672+/-370.293 χ^2/NDF:11.0/8

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

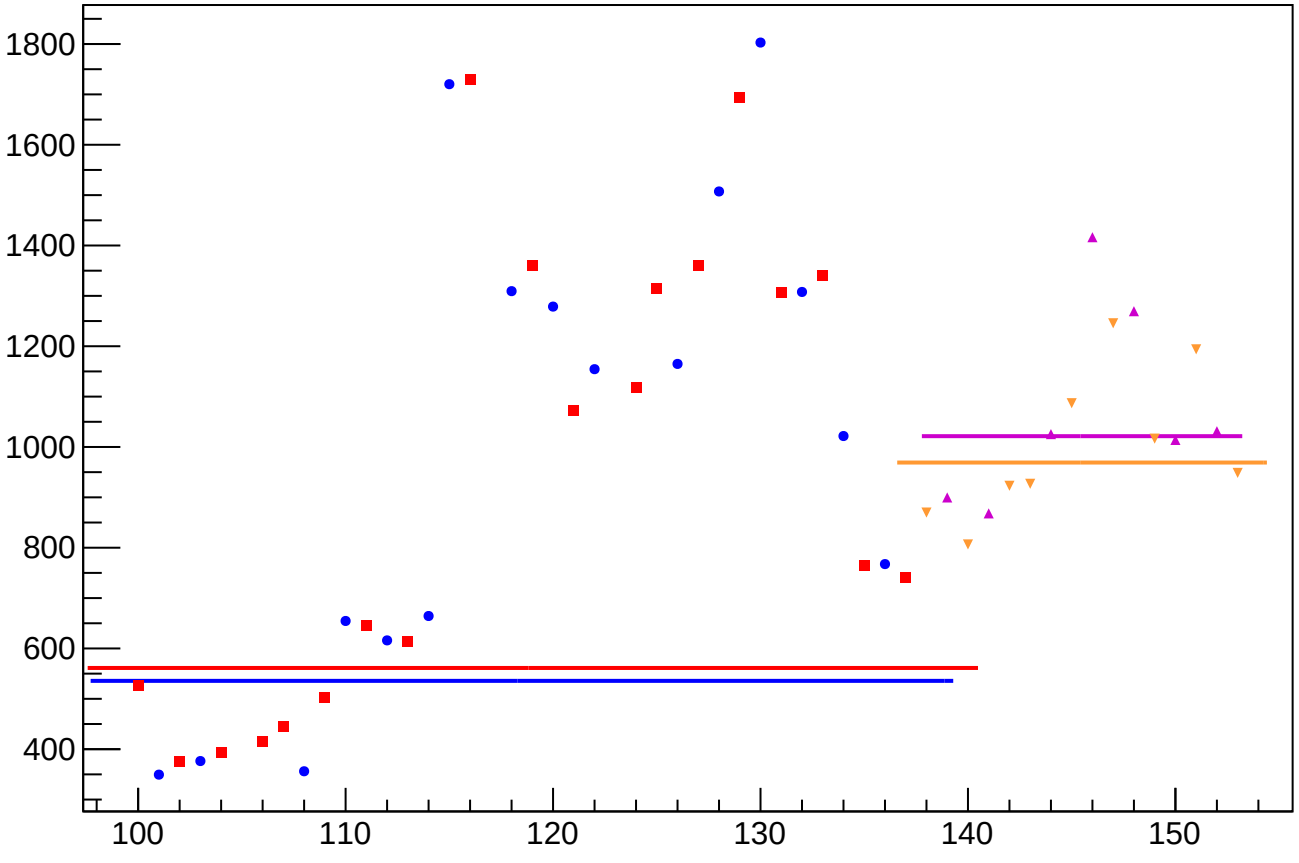
Left In: -449.738+/-418.832 χ^2/NDF:12.5/6

+ sign 260.751+/-195.780 χ^2/NDF: 27.5/24

All: 48.430+/-141.077 χ^2/NDF: 59.1/50

- sign -180.893+/-203.467 χ^2/NDF: 29.2/25

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 969.103+/-0.262 χ^2/NDF:256818.3/8

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

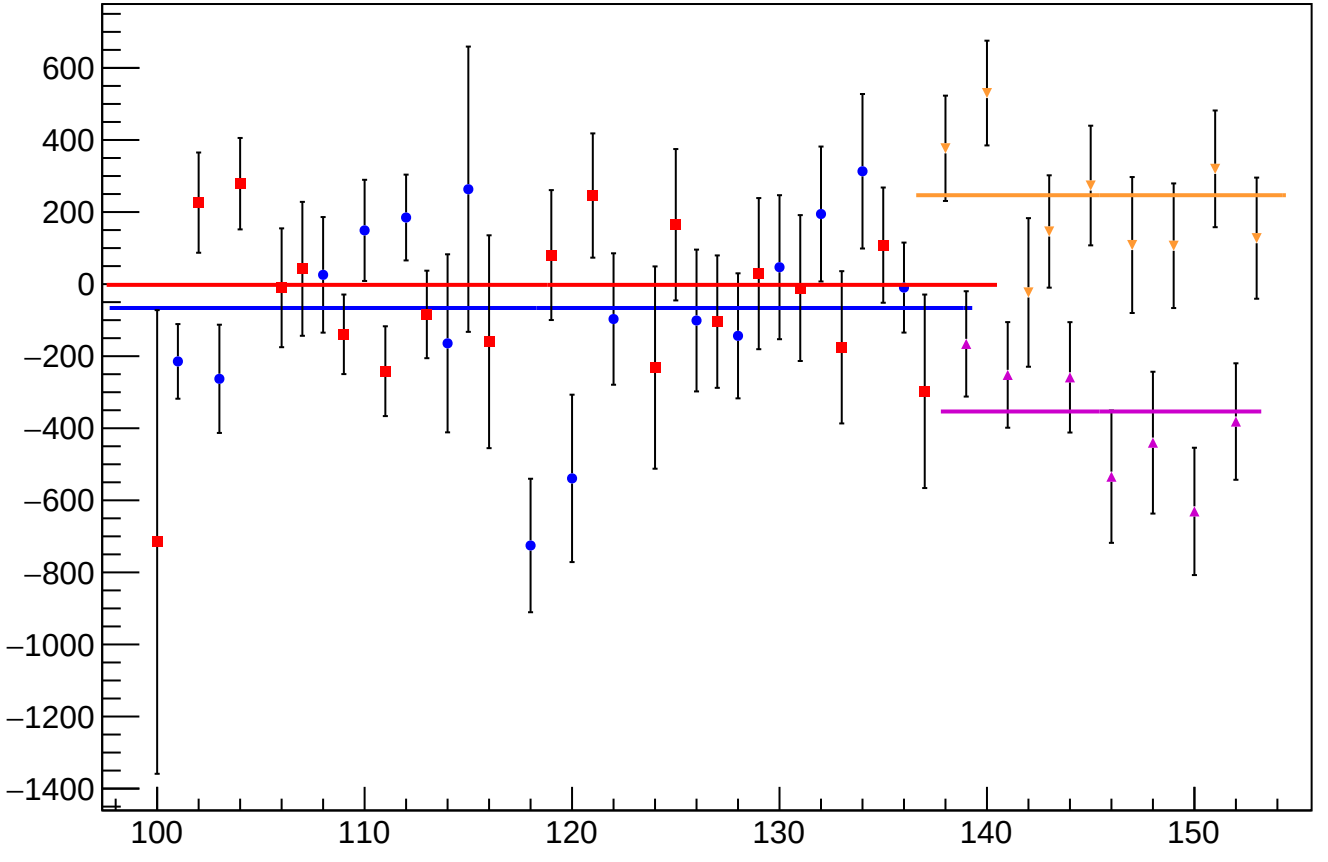
Left In: 1021.451+/-0.296 χ^2/NDF:286988.5/6

+ sign 656.826+/-0.138 χ^2/NDF: 5863689.6/24

All: 663.098+/-0.100 χ^2/NDF: 11130310.5/50

- sign 669.872+/-0.144 χ^2/NDF: 5262351.7/25

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 246.733+/-55.035 χ^2/NDF:8.7/8

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

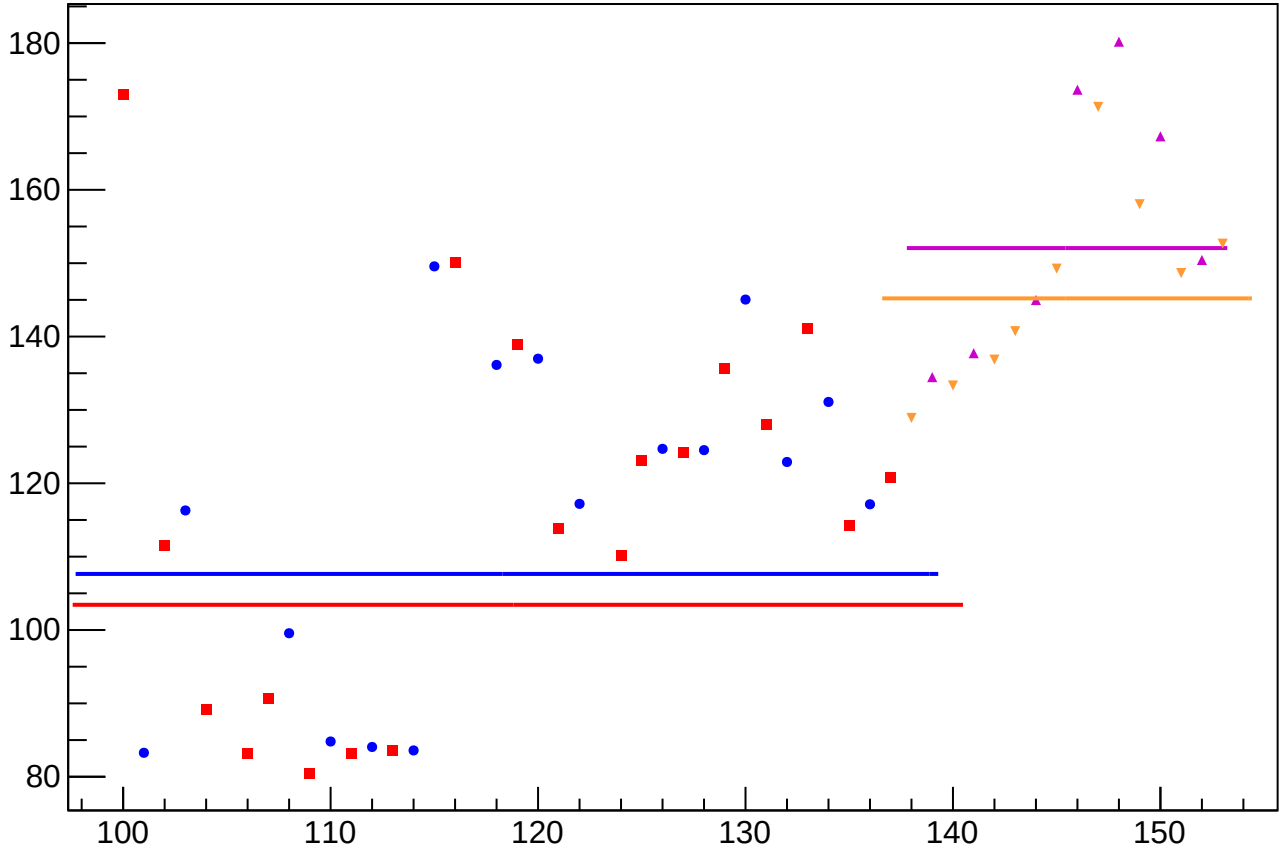
Left In: -353.487+/-61.806 χ^2/NDF:6.2/6

+ sign 45.233+/-32.847 χ^2/NDF: 63.9/24

All: -28.119+/-23.260 χ^2/NDF: 124.3/50

- sign -101.907+/-32.944 χ^2/NDF: 50.4/25

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 145.203+/-0.039 χ^2/NDF:98470.9/8

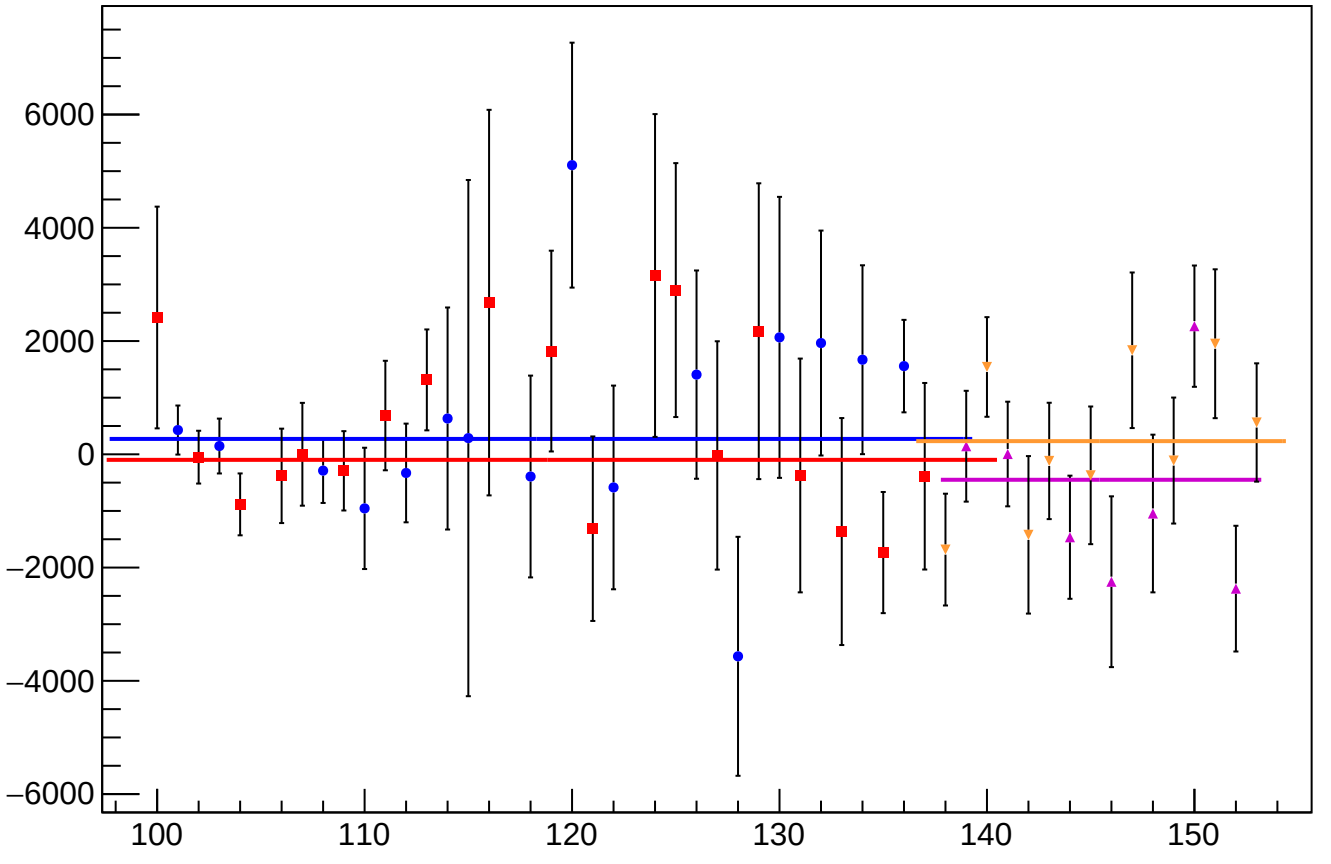
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 152.060+/-0.044 χ^2/NDF:135931.6/6

+ sign 121.023+/-0.023 χ^2/NDF: 1230971.0/24

All: 119.143+/-0.016 χ^2/NDF: 2890889.4/50

- sign 117.252+/-0.023 χ^2/NDF: 1646778.5/25



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 232.672+/-370.293 χ^2/NDF:11.0/8

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

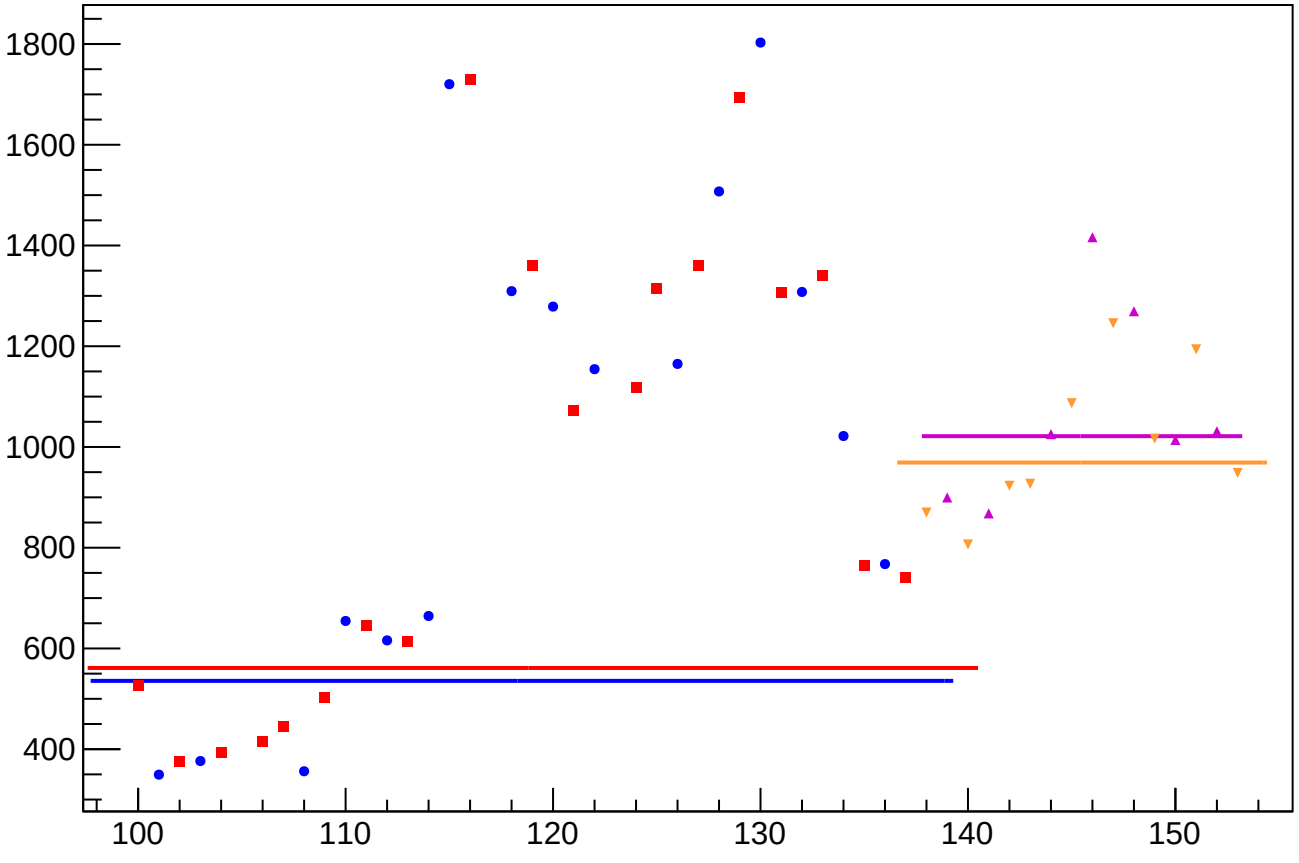
Left In: -449.738+/-418.832 χ^2/NDF:12.5/6

+ sign 260.751+/-195.780 χ^2/NDF: 27.5/24

All: 48.430+/-141.077 χ^2/NDF: 59.1/50

- sign -180.893+/-203.467 χ^2/NDF: 29.2/25

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 969.103+/-0.262 χ^2/NDF:256818.3/8

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

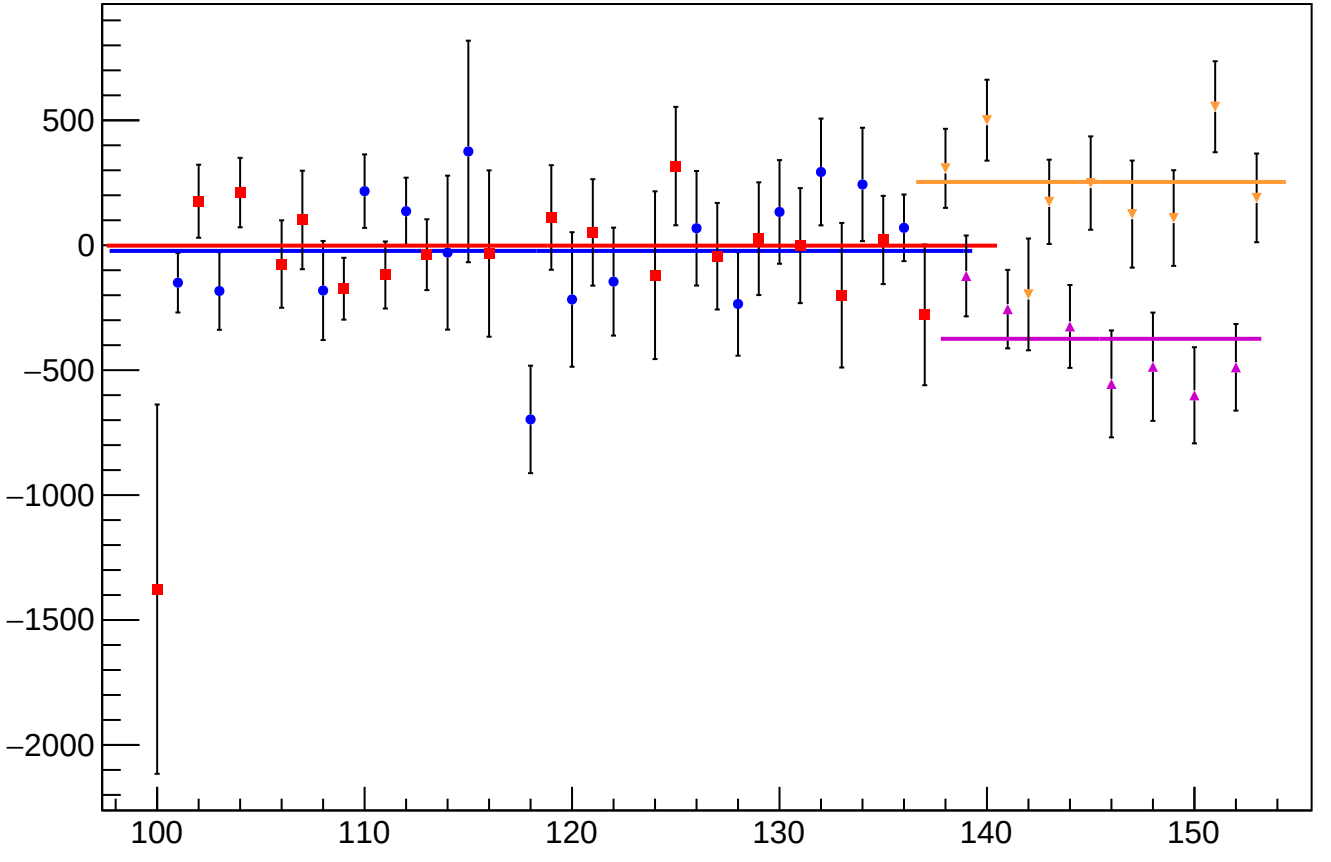
Left In: 1021.451+/-0.296 χ^2/NDF:286988.5/6

+ sign 656.826+/-0.138 χ^2/NDF: 5863689.6/24

All: 663.098+/-0.100 χ^2/NDF: 11130310.5/50

- sign 669.872+/-0.144 χ^2/NDF: 5262351.7/25

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 253.289+/-60.547 χ^2/NDF:10.5/8

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

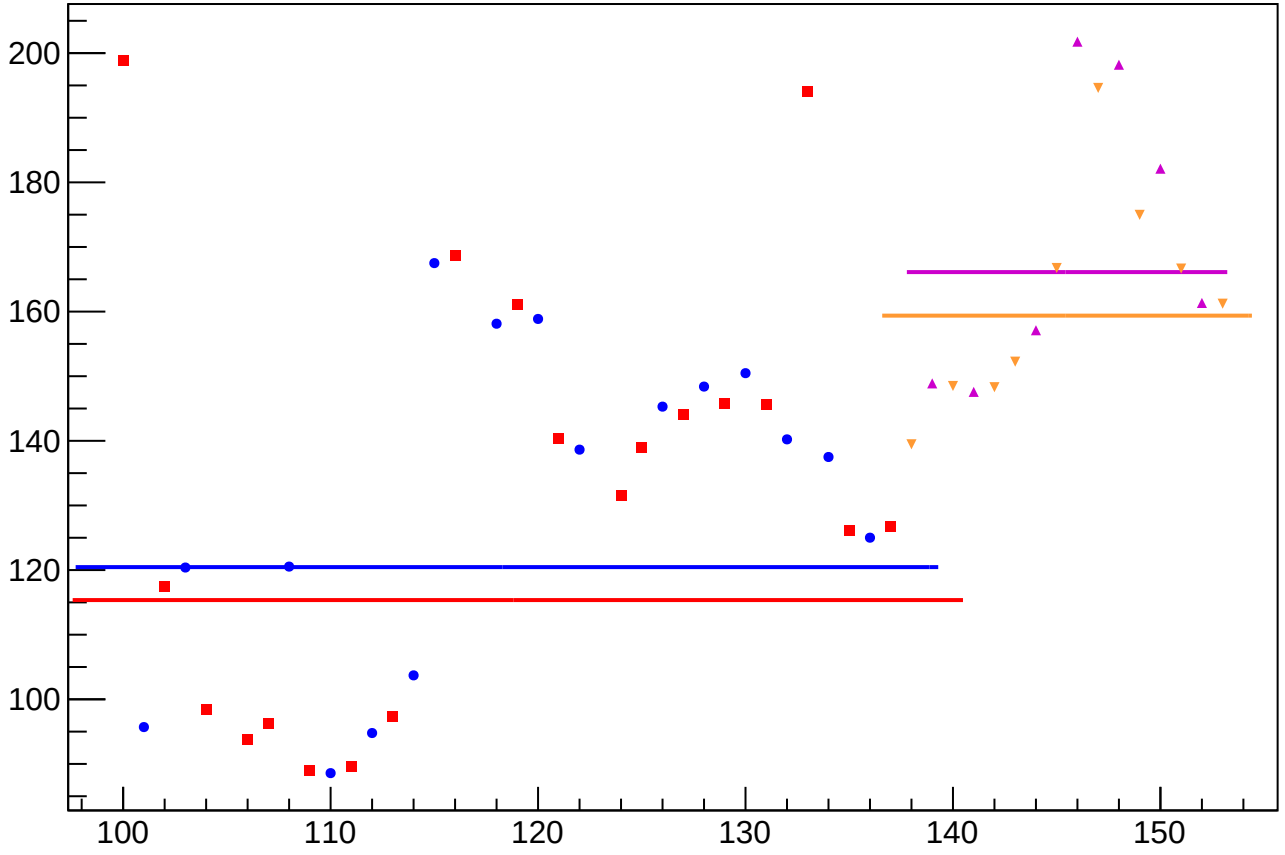
Left In: -374.523+/-67.661 χ^2/NDF:5.9/6

+ sign 78.061+/-36.582 χ^2/NDF: 47.9/24

All: -16.294+/-25.883 χ^2/NDF: 102.8/50

- sign -110.887+/-36.628 χ^2/NDF: 41.6/25

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 159.375+/-0.043 χ^2/NDF:123082.6/8

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

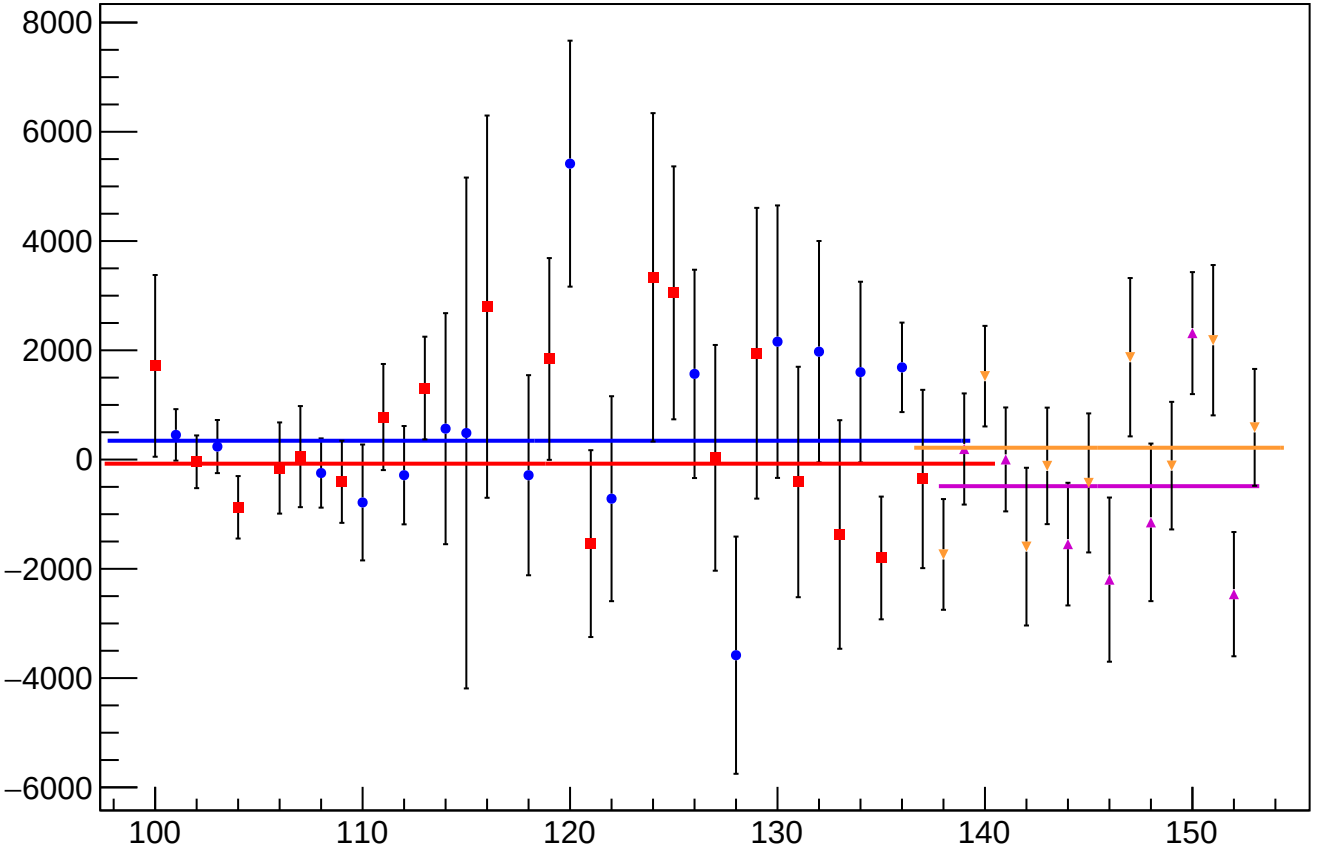
Left In: 166.113+/-0.048 χ^2/NDF:171127.9/6

+ sign 134.665+/-0.026 χ^2/NDF: 1178058.7/24

All: 132.451+/-0.018 χ^2/NDF: 2926727.5/50

- sign 130.231+/-0.026 χ^2/NDF: 1734000.9/25

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 216.512+/-385.126 χ^2/NDF:11.2/8

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

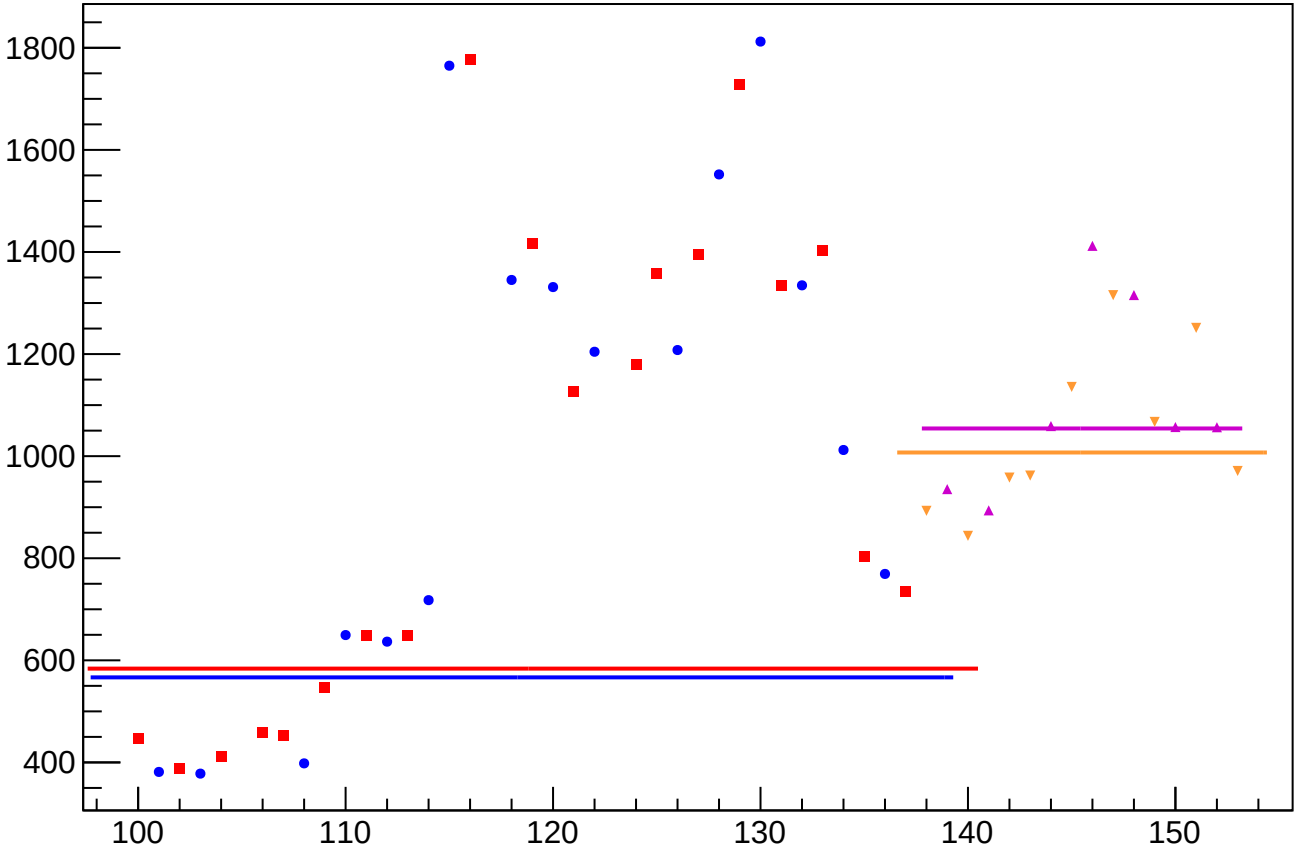
Left In: -487.063+/-431.800 χ^2/NDF:12.4/6

+ sign 308.325+/-204.621 χ^2/NDF: 27.5/24

All: 74.073+/-146.586 χ^2/NDF: 58.6/50

- sign -172.881+/-210.095 χ^2/NDF: 28.4/25

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1007.188+/-0.272 χ^2/NDF:275605.2/8

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

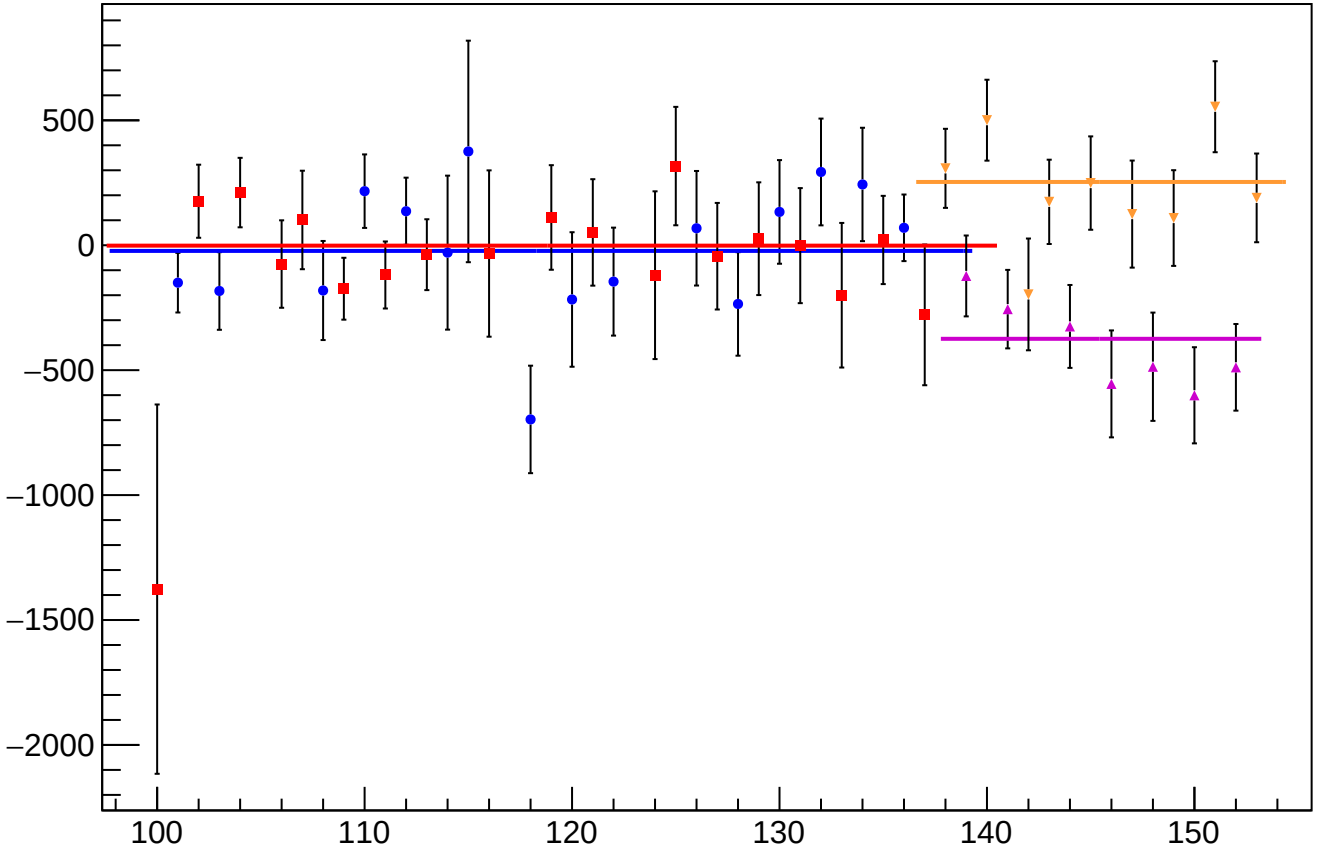
Left In: 1054.240+/-0.305 χ^2/NDF:263269.6/6

+ sign 690.975+/-0.145 χ^2/NDF: 5586638.1/24

All: 693.015+/-0.104 χ^2/NDF: 10769832.4/50

- sign 695.166+/-0.149 χ^2/NDF: 5182785.9/25

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 253.291+/-60.547 χ^2/NDF:10.5/8

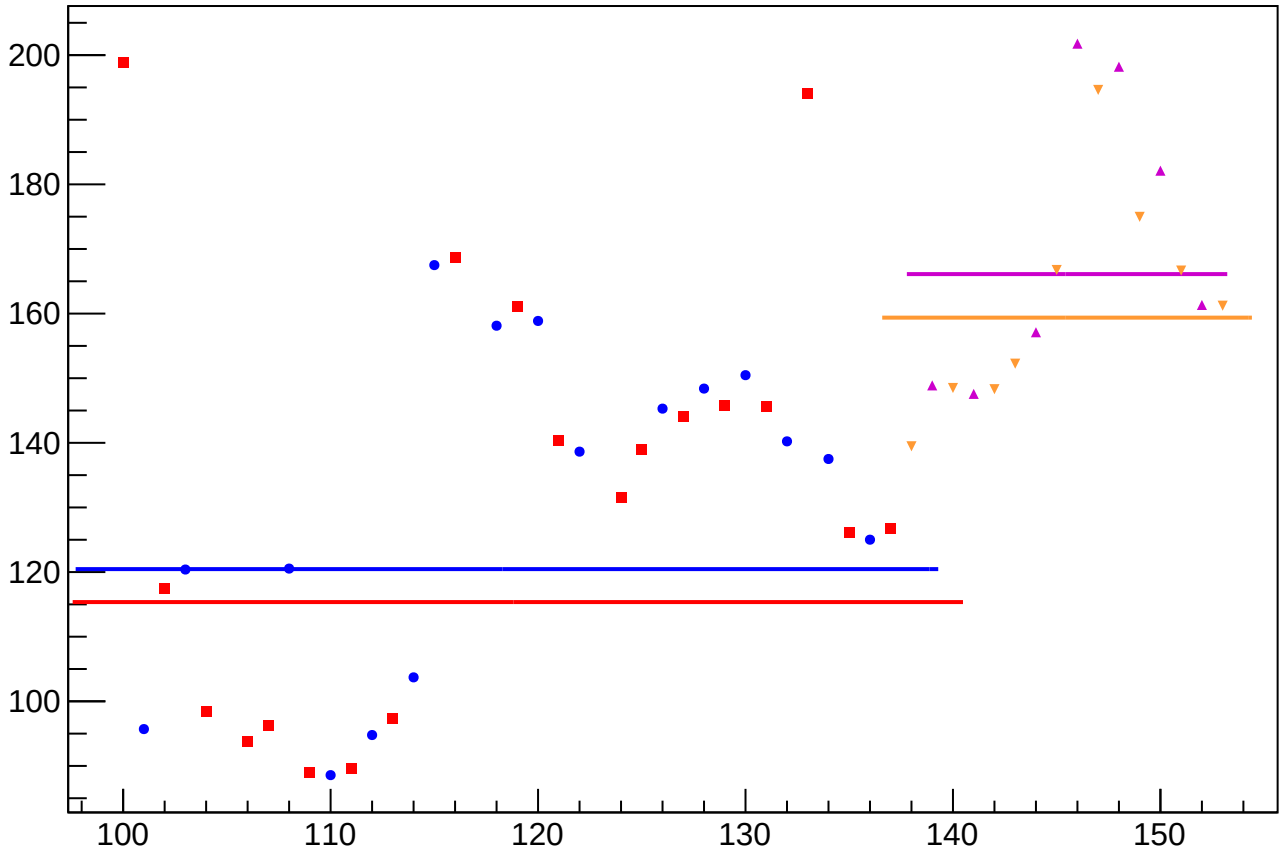
Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: -374.523+/-67.660 χ^2/NDF:5.9/6

+ sign 78.060+/-36.582 χ^2/NDF: 47.9/24

All: -16.295+/-25.883 χ^2/NDF: 102.8/50

- sign -110.888+/-36.628 χ^2/NDF: 41.6/25



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 159.375+/-0.043 χ^2/NDF:123081.4/8

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

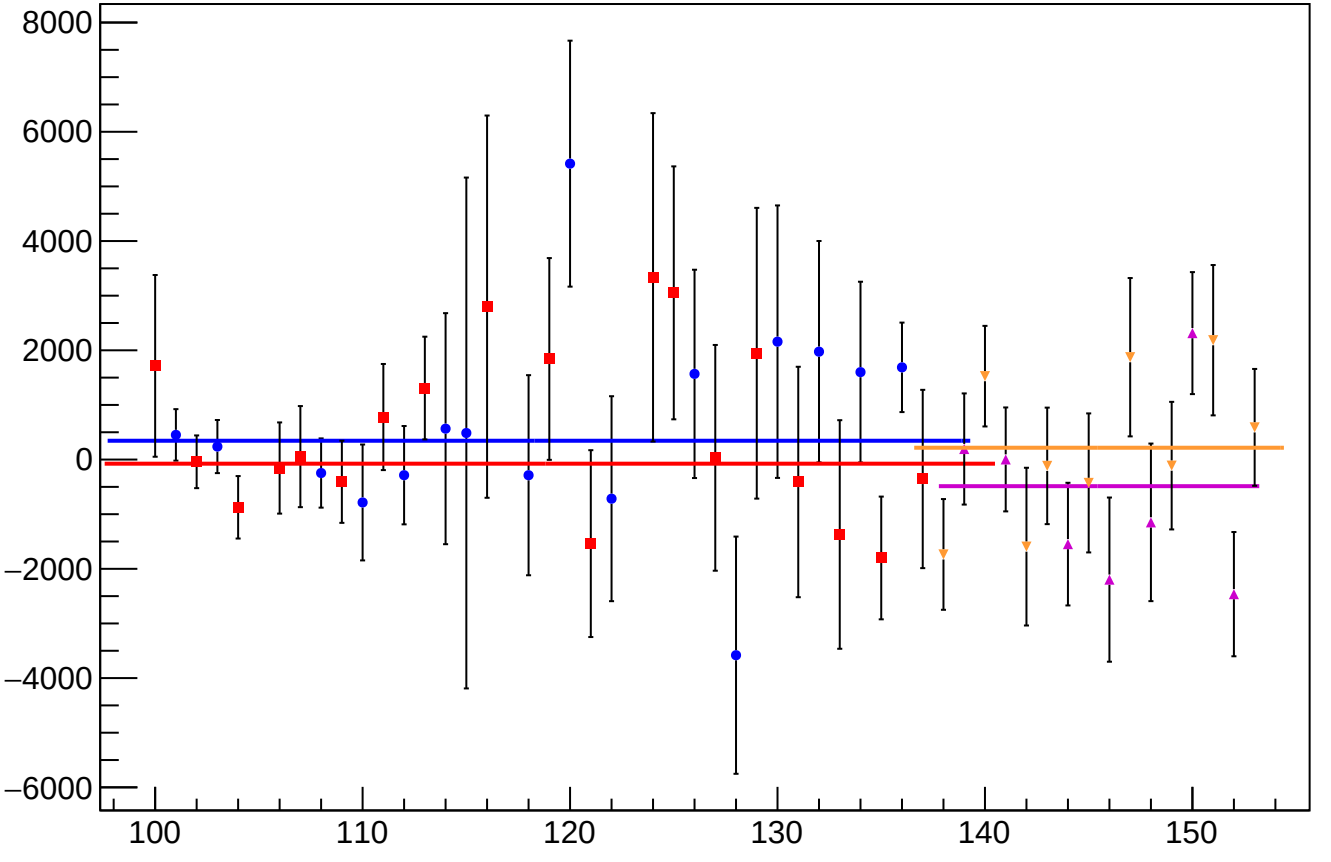
Left In: 166.112+/-0.048 χ^2/NDF:171128.0/6

+ sign 134.664+/-0.026 χ^2/NDF: 1178063.5/24

All: 132.450+/-0.018 χ^2/NDF: 2926733.3/50

- sign 130.231+/-0.026 χ^2/NDF: 1734002.1/25

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 216.515+/-385.126 χ^2/NDF:11.2/8

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

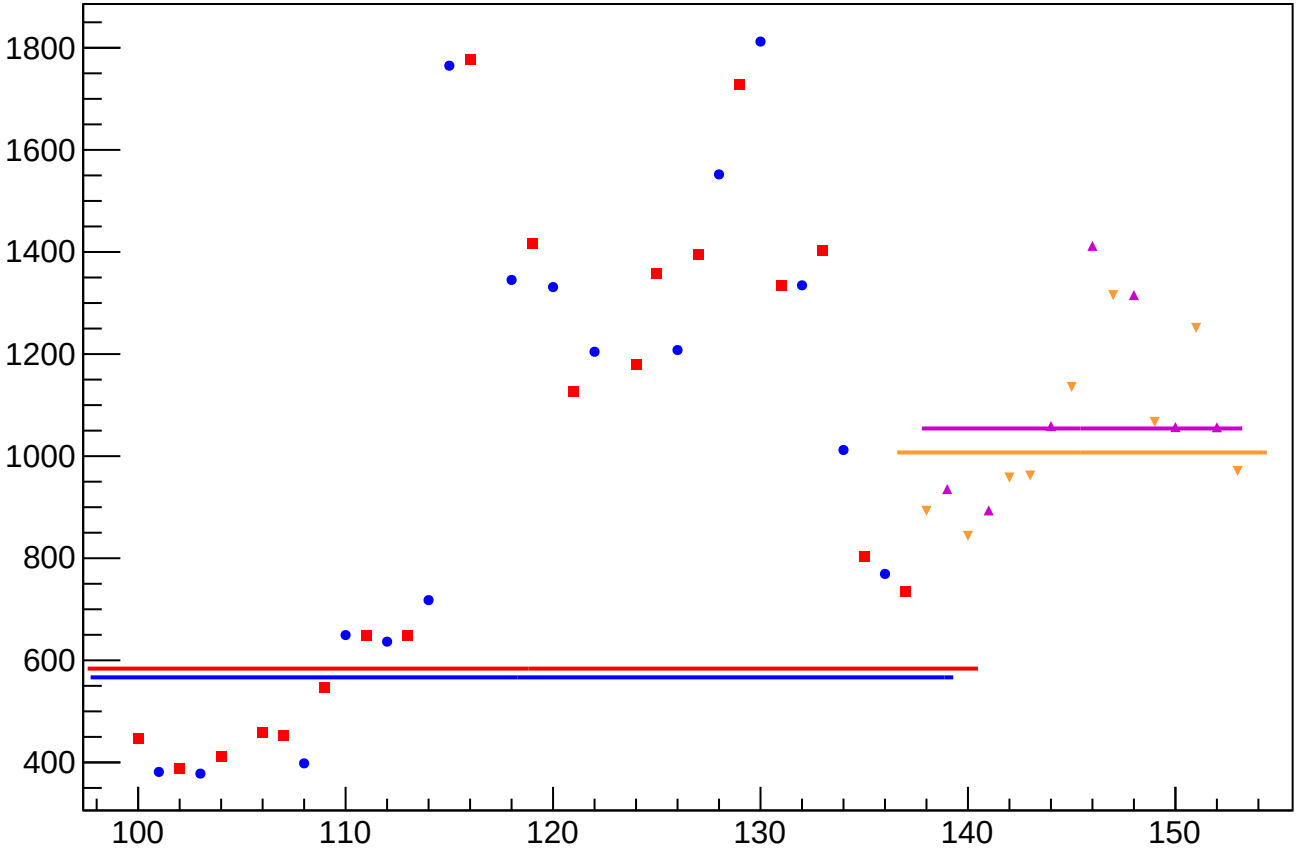
Left In: -487.061+/-431.800 χ^2/NDF:12.4/6

\+ sign 308.326+/-204.620 χ^2/NDF: 27.5/24

All: 74.072+/-146.585 χ^2/NDF: 58.6/50

\- sign -172.882+/-210.094 χ^2/NDF: 28.4/25

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1007.187+/-0.272 χ^2/NDF:275605.2/8

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

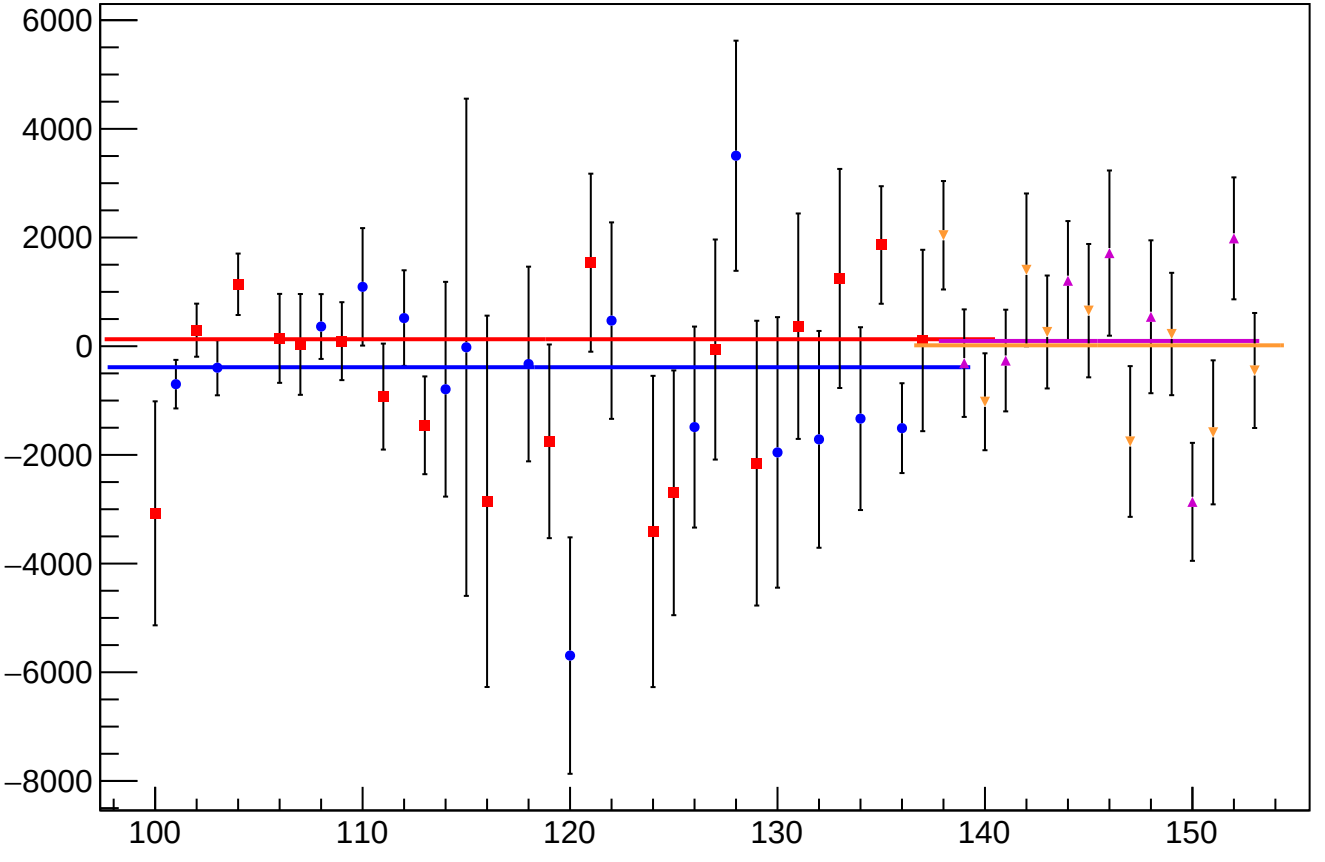
Left In: 1054.239+/-0.305 χ^2/NDF:263270.2/6

+ sign 690.974+/-0.145 χ^2/NDF: 5586646.5/24

All: 693.014+/-0.104 χ^2/NDF: 10769843.0/50

- sign 695.165+/-0.149 χ^2/NDF: 5182788.1/25

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 16.621+/-374.532 χ^2/NDF:10.1/8

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

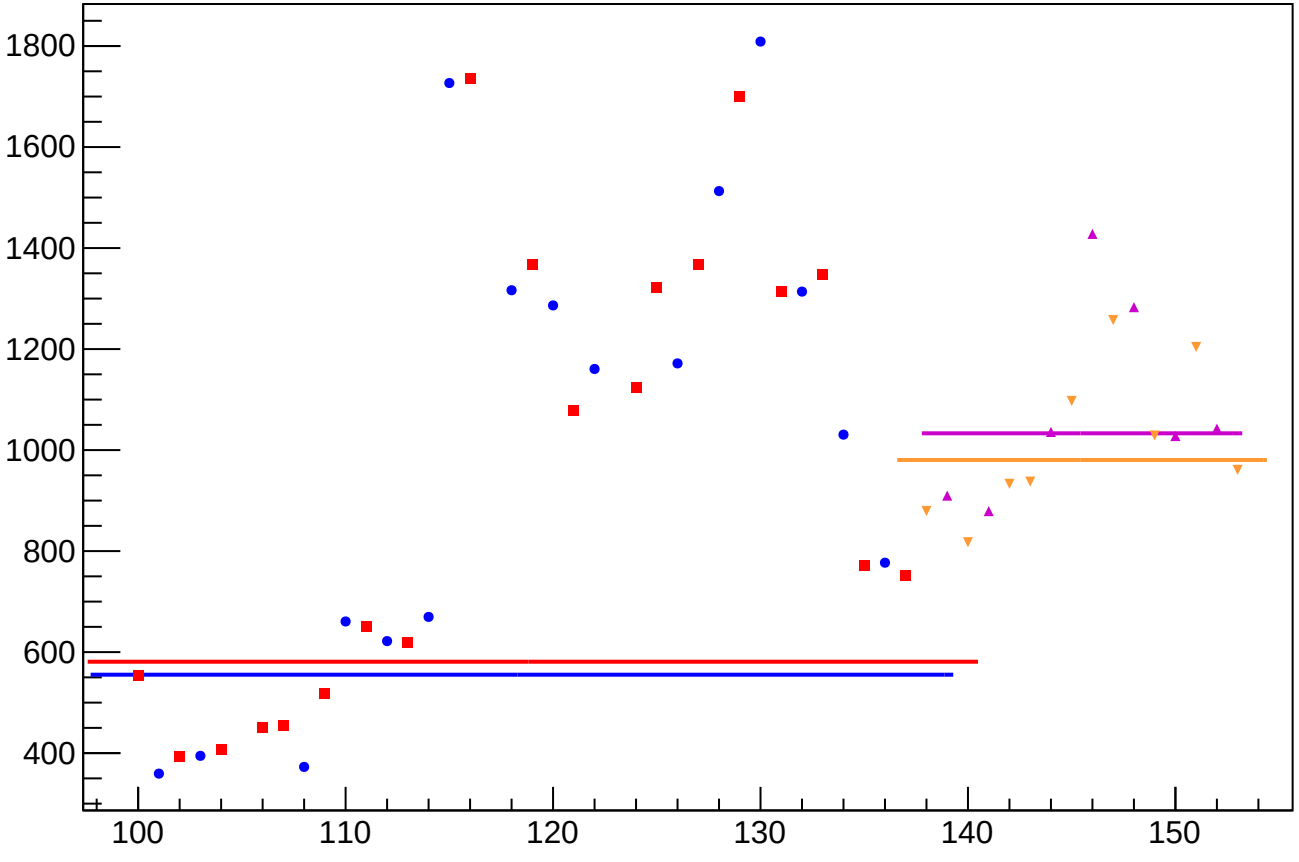
Left In: 97.116+/-423.564 χ^2/NDF:12.8/6

+ sign -270.887+/-200.588 χ^2/NDF: 28.9/24

All: -81.709+/-144.268 χ^2/NDF: 62.9/50

- sign 121.020+/-207.648 χ^2/NDF: 32.2/25

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 980.449+/-0.265 χ^2/NDF:252231.2/8

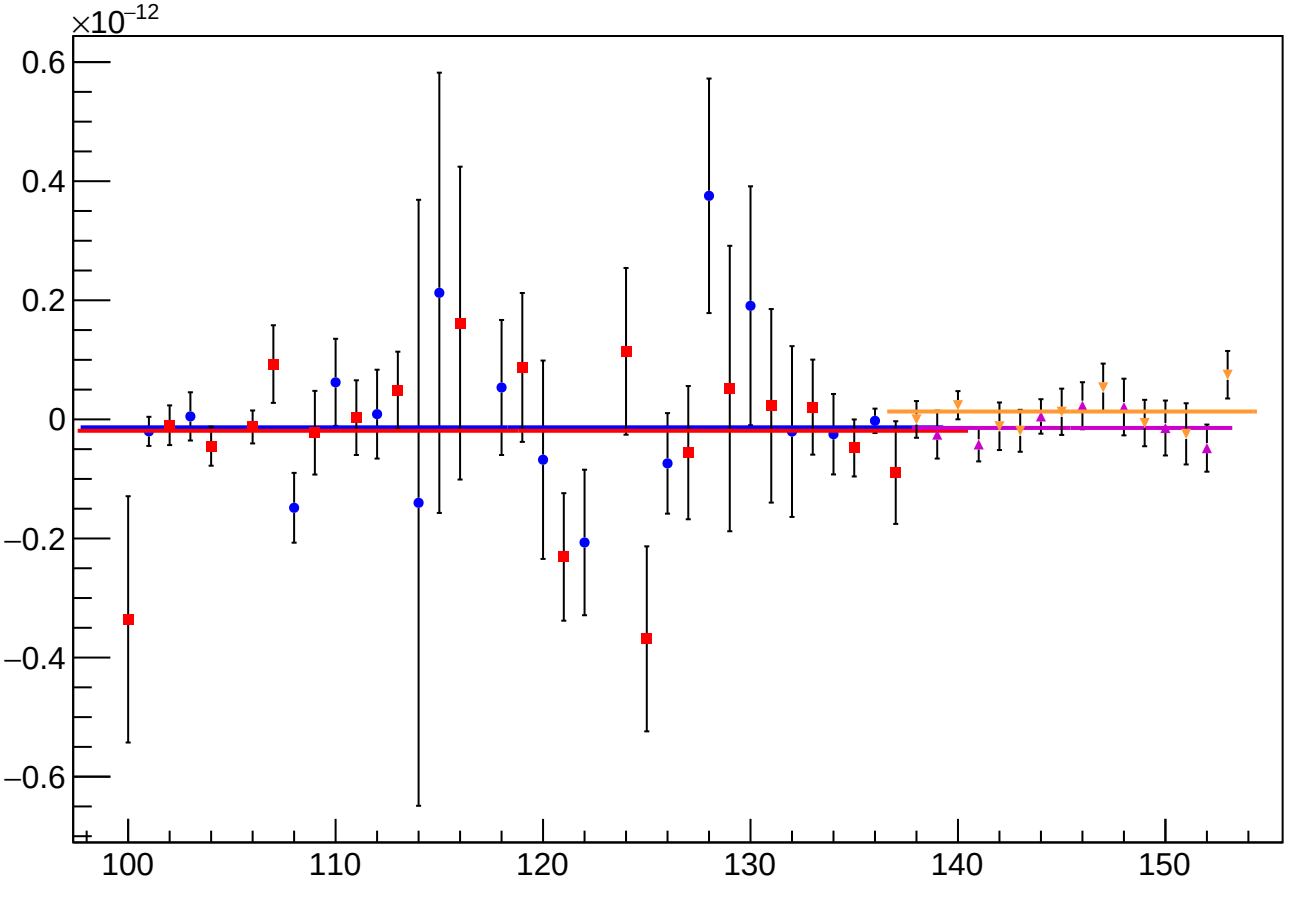
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1033.249+/-0.300 χ^2/NDF:283522.1/6

+ sign 677.241+/-0.142 χ^2/NDF: 5572745.3/24

All: 683.249+/-0.102 χ^2/NDF: 10575665.4/50

- sign 689.688+/-0.147 χ^2/NDF: 4999203.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/8

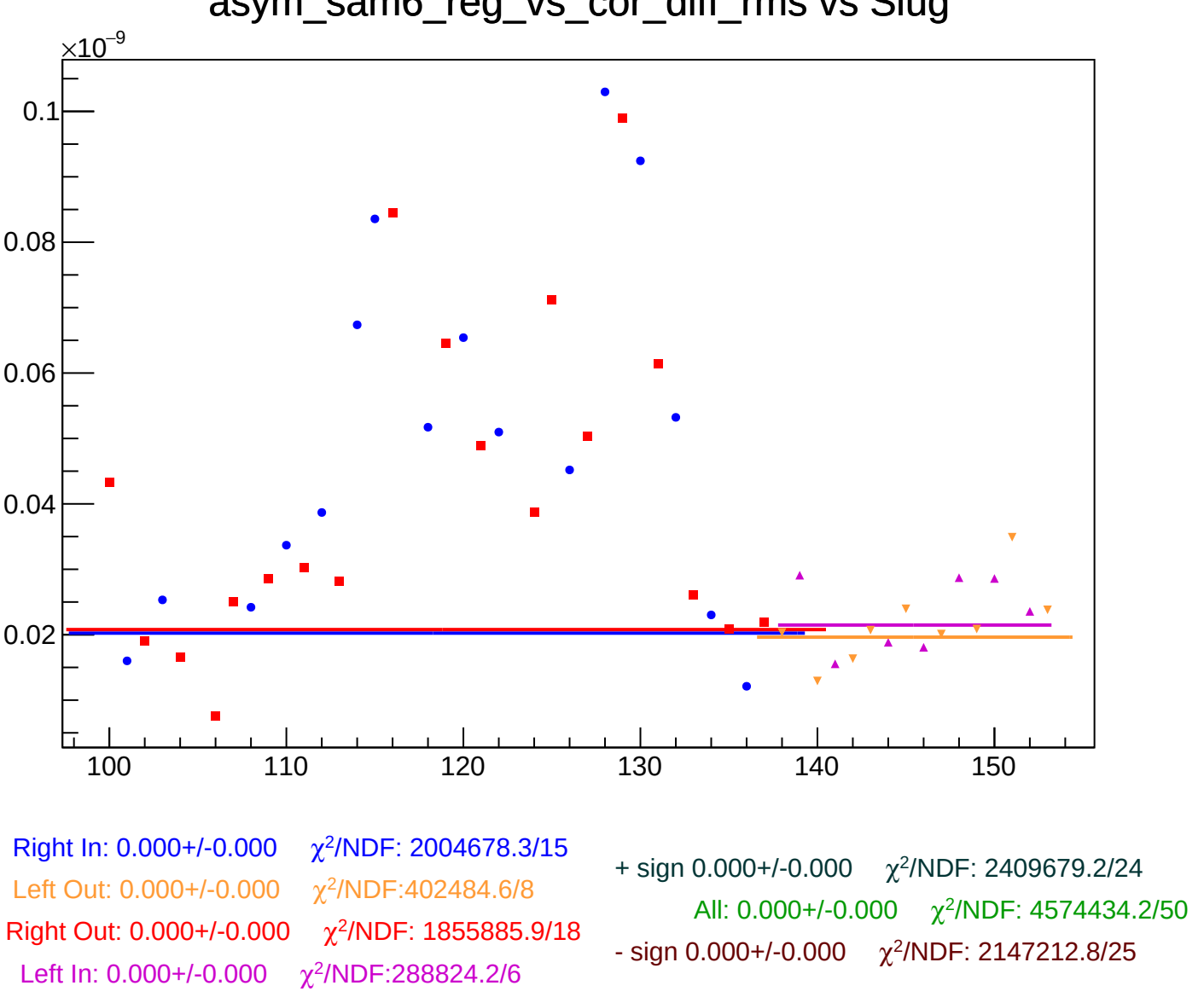
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/6

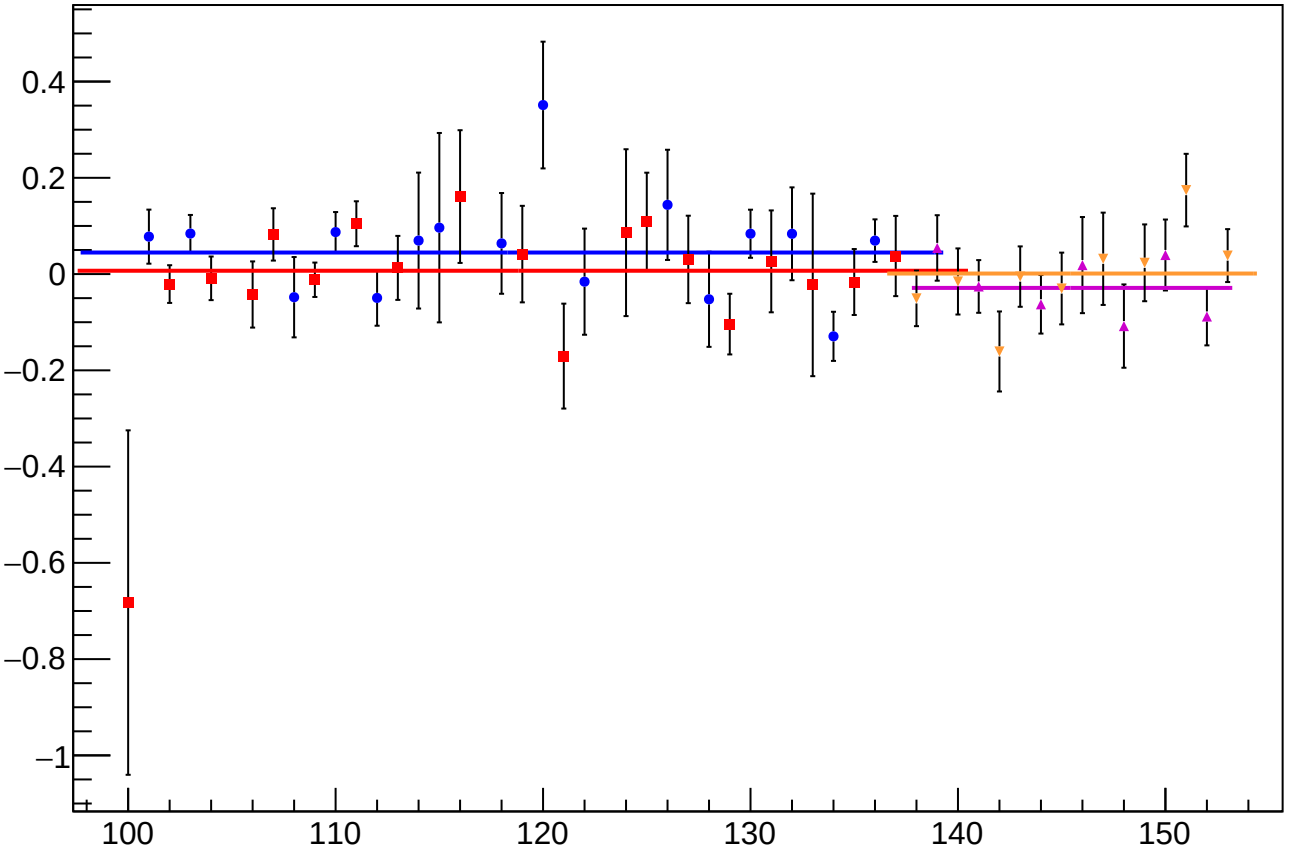
+ sign 0.000+/-0.000 χ^2/NDF: 24.0/24

All: -0.000+/-0.000 χ^2/NDF: 49.5/50

- sign -0.000+/-0.000 χ^2/NDF: 23.6/25


asym_sam6_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2004678.3/15
Left Out: 0.000+/-0.000 χ²/NDF:402484.6/8
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:288824.2/6
+ sign 0.000+/-0.000 χ²/NDF: 2409679.2/24
All: 0.000+/-0.000 χ²/NDF: 4574434.2/50
- sign 0.000+/-0.000 χ²/NDF: 2147212.8/25

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.8/8

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

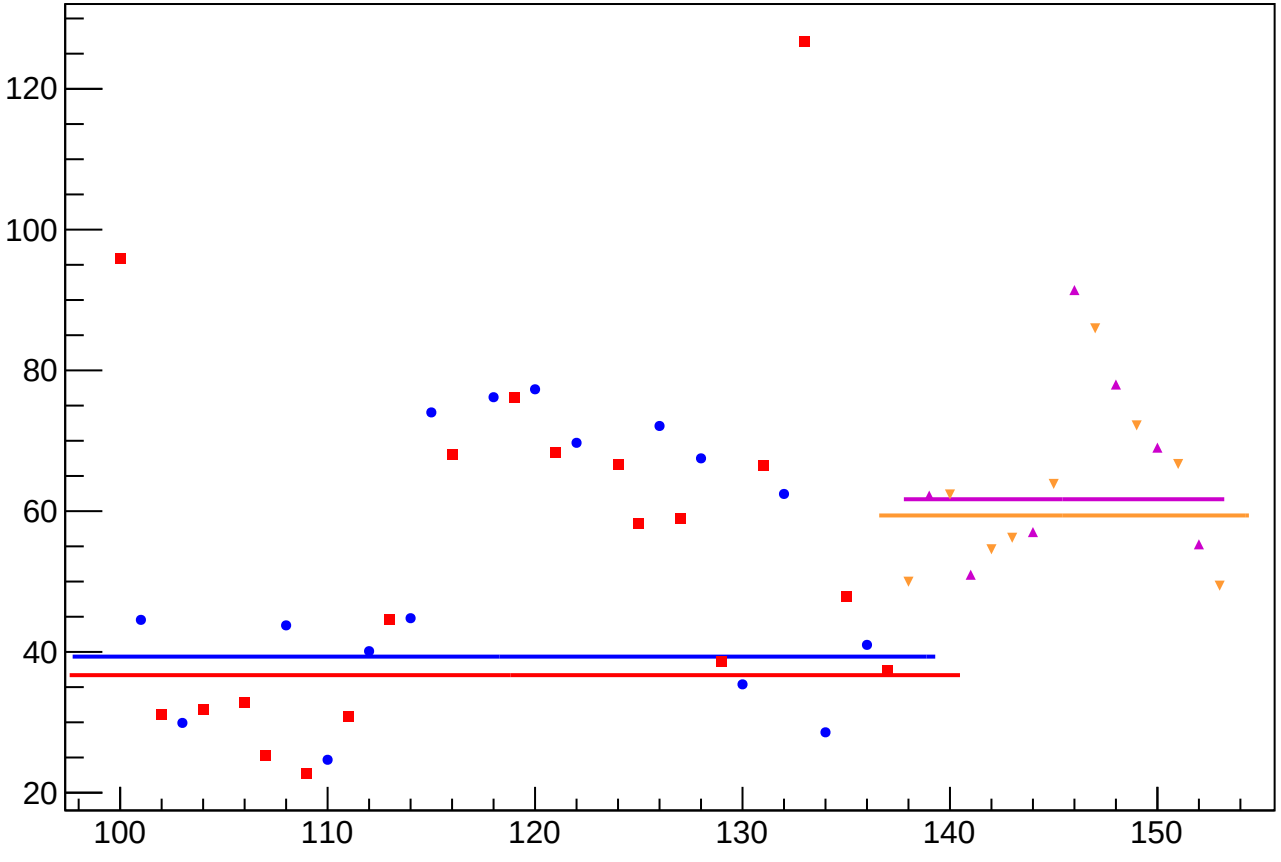
Left In: -0.029+/-0.026 χ^2/NDF:4.7/6

+ sign 0.031+/-0.013 χ^2/NDF: 39.8/24

All: 0.014+/-0.009 χ^2/NDF: 69.2/50

- sign -0.002+/-0.013 χ^2/NDF: 26.3/25

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.388+/-0.016 χ^2/NDF:365814.8/8

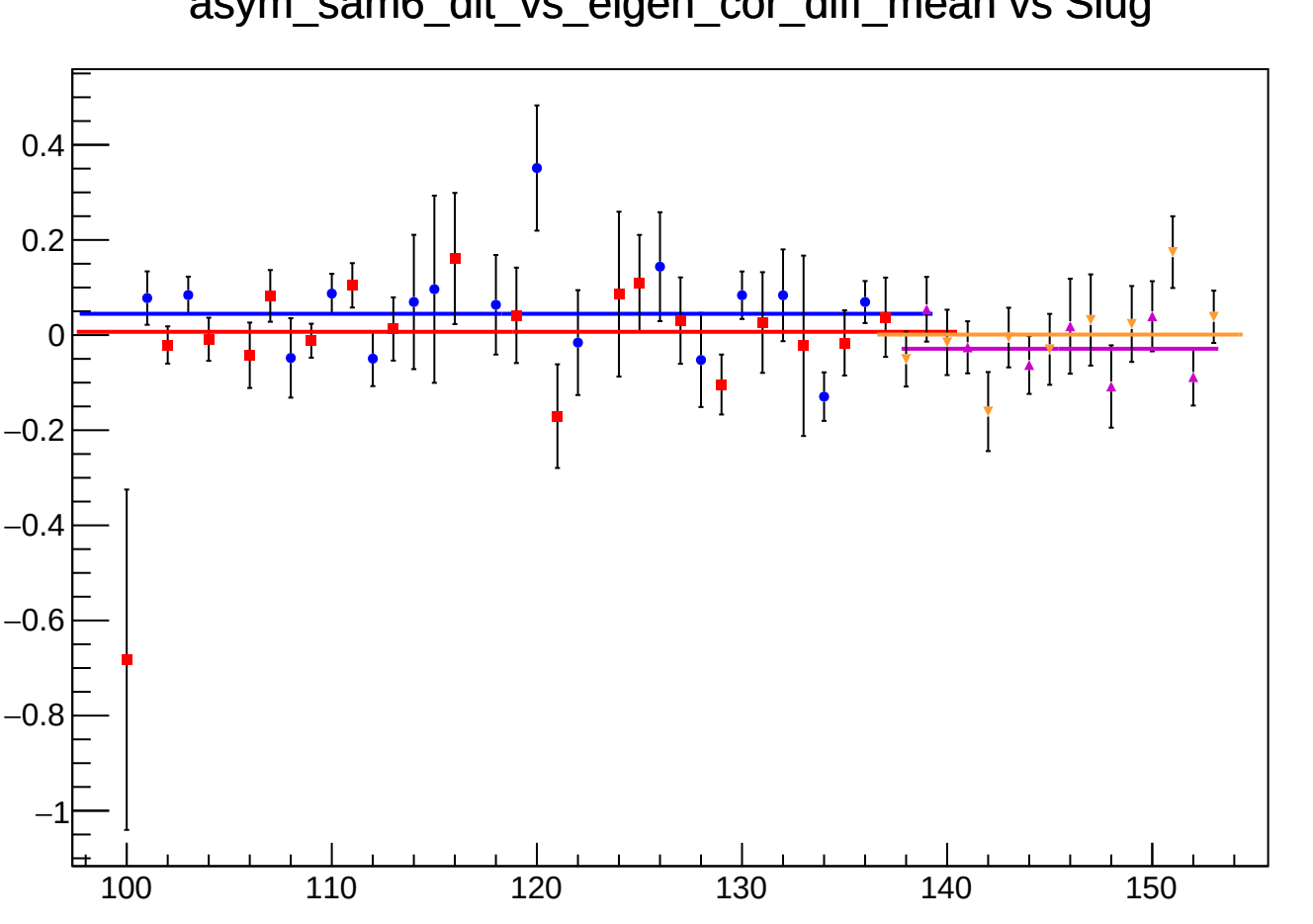
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 61.693+/-0.018 χ^2/NDF:379293.7/6

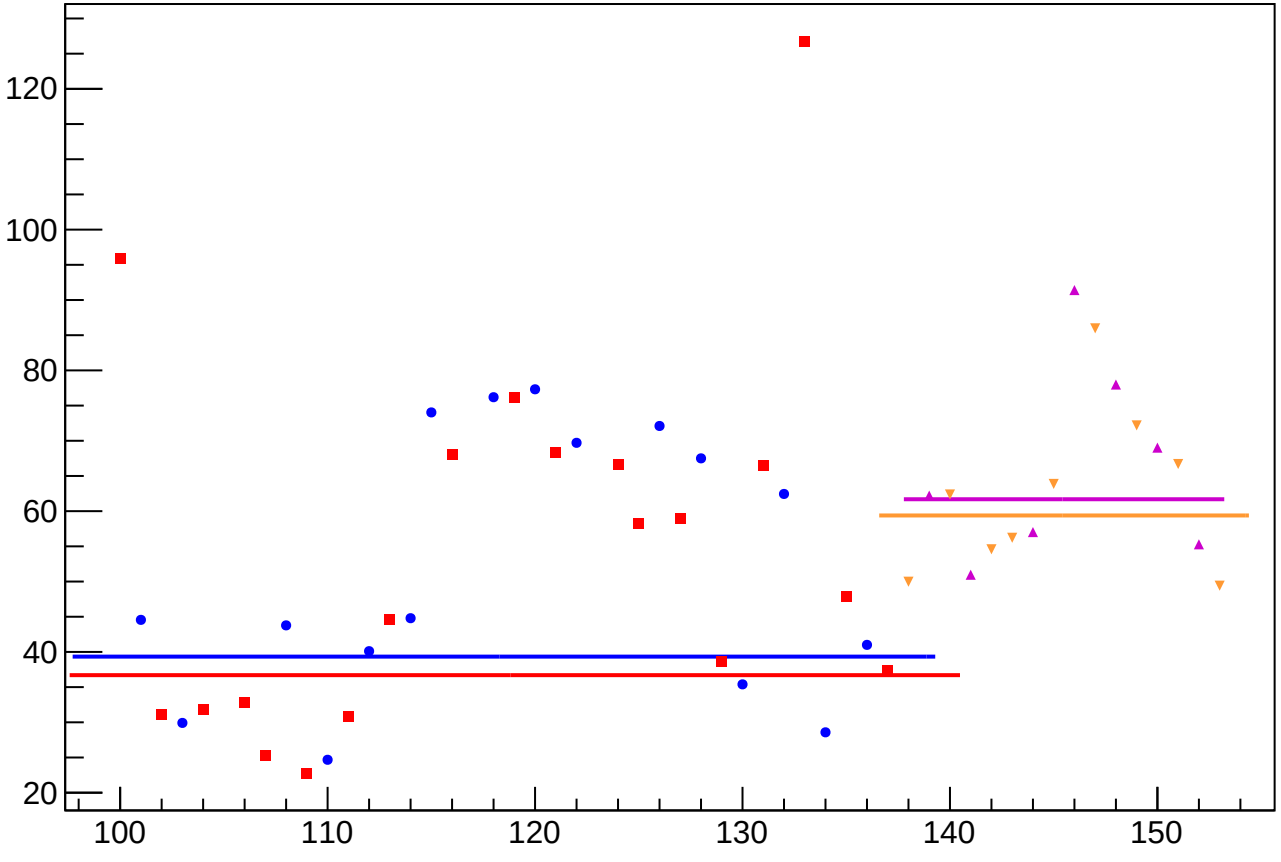
+ sign 45.823+/-0.009 χ^2/NDF: 2946151.4/24

All: 44.459+/-0.007 χ^2/NDF: 6871368.6/50

- sign 43.126+/-0.009 χ^2/NDF: 3882825.1/25


asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.001+/-0.023 χ²/NDF:10.8/8
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.029+/-0.026 χ²/NDF:4.7/6
+ sign 0.031+/-0.013 χ²/NDF: 39.8/24
All: 0.014+/-0.009 χ²/NDF: 69.2/50
- sign -0.002+/-0.013 χ²/NDF: 26.3/25

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.388+/-0.016 χ^2/NDF:365814.8/8

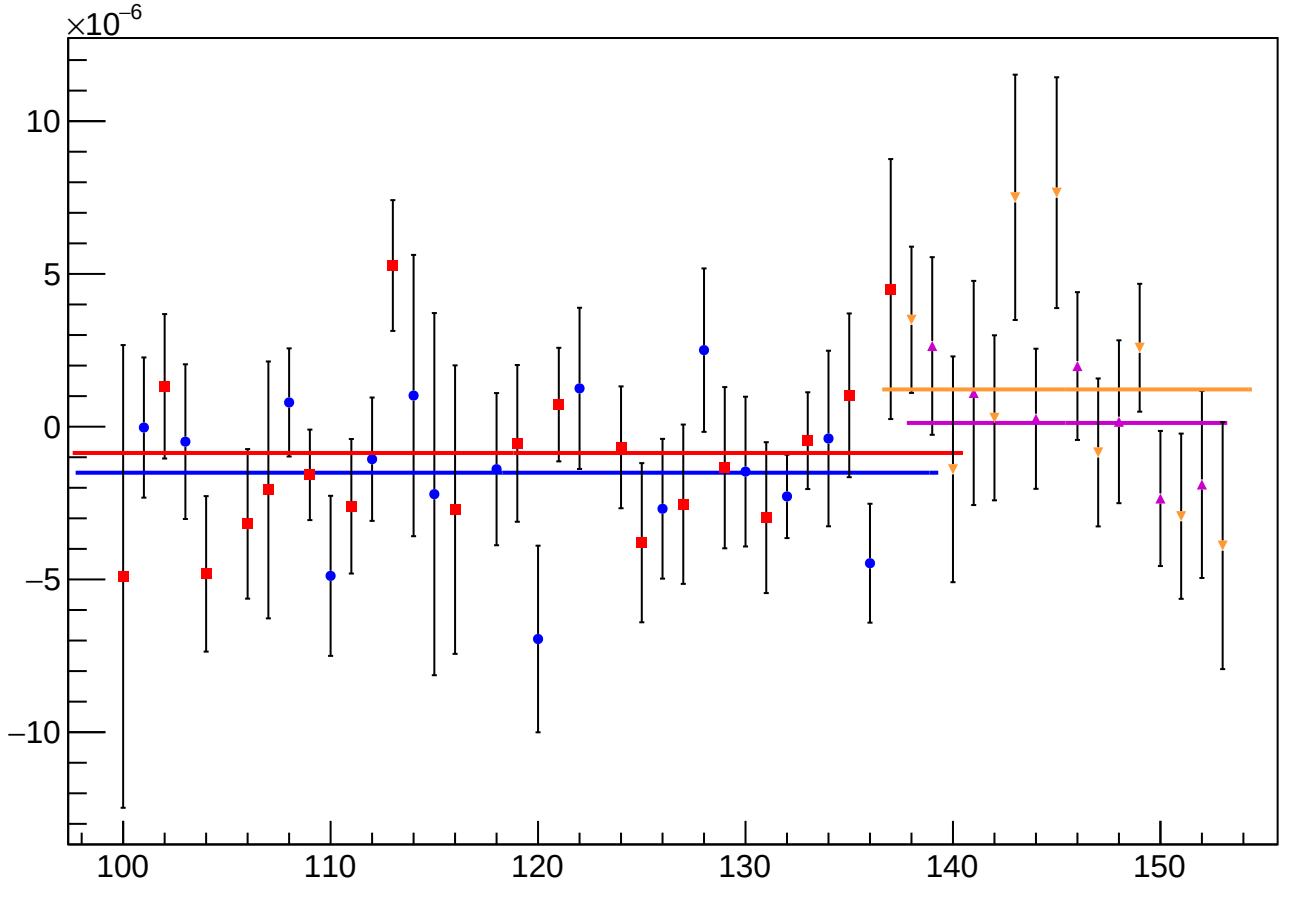
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 61.693+/-0.018 χ^2/NDF:379293.7/6

+ sign 45.823+/-0.009 χ^2/NDF: 2946151.4/24

All: 44.459+/-0.007 χ^2/NDF: 6871368.6/50

- sign 43.126+/-0.009 χ^2/NDF: 3882825.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/8

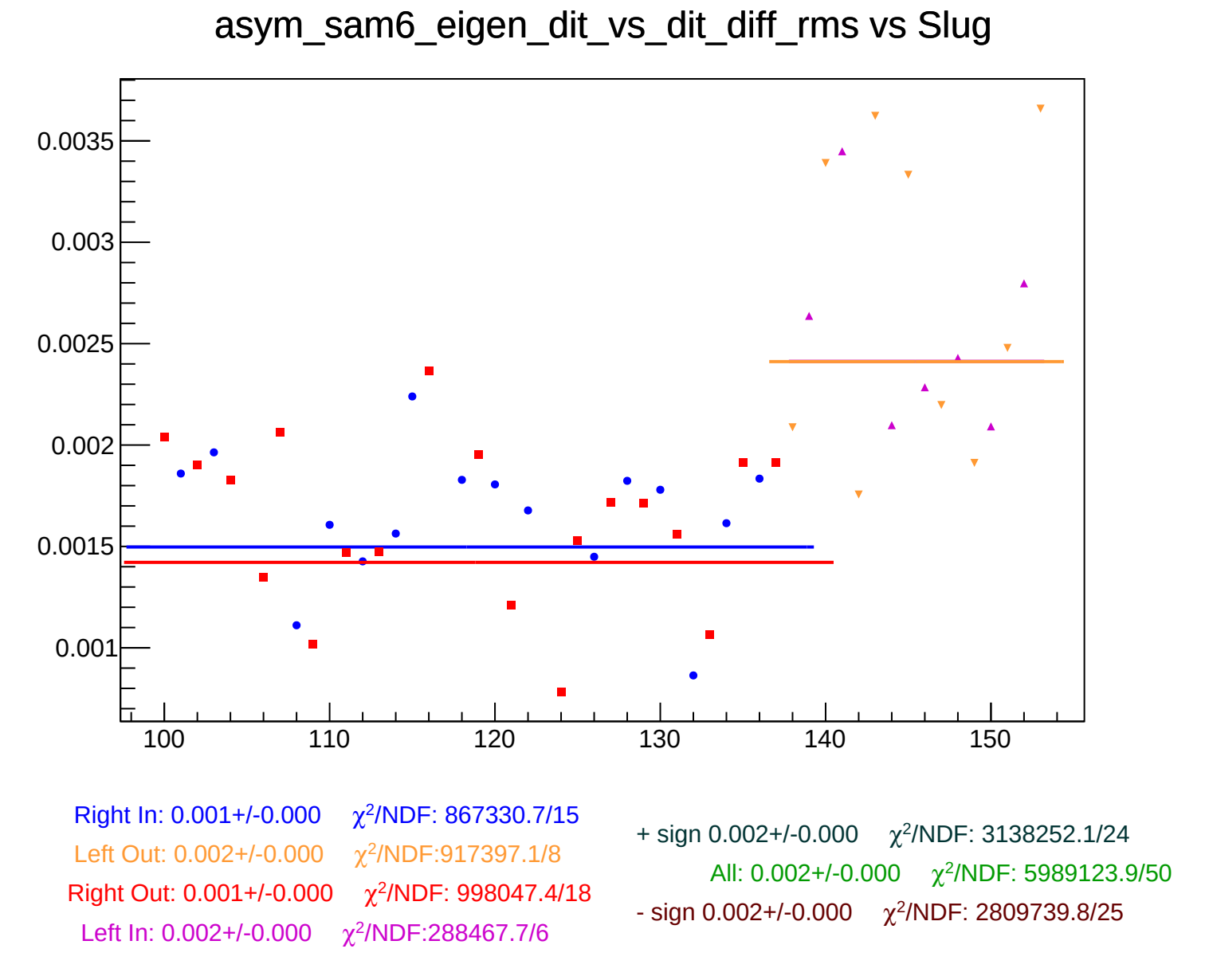
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/6

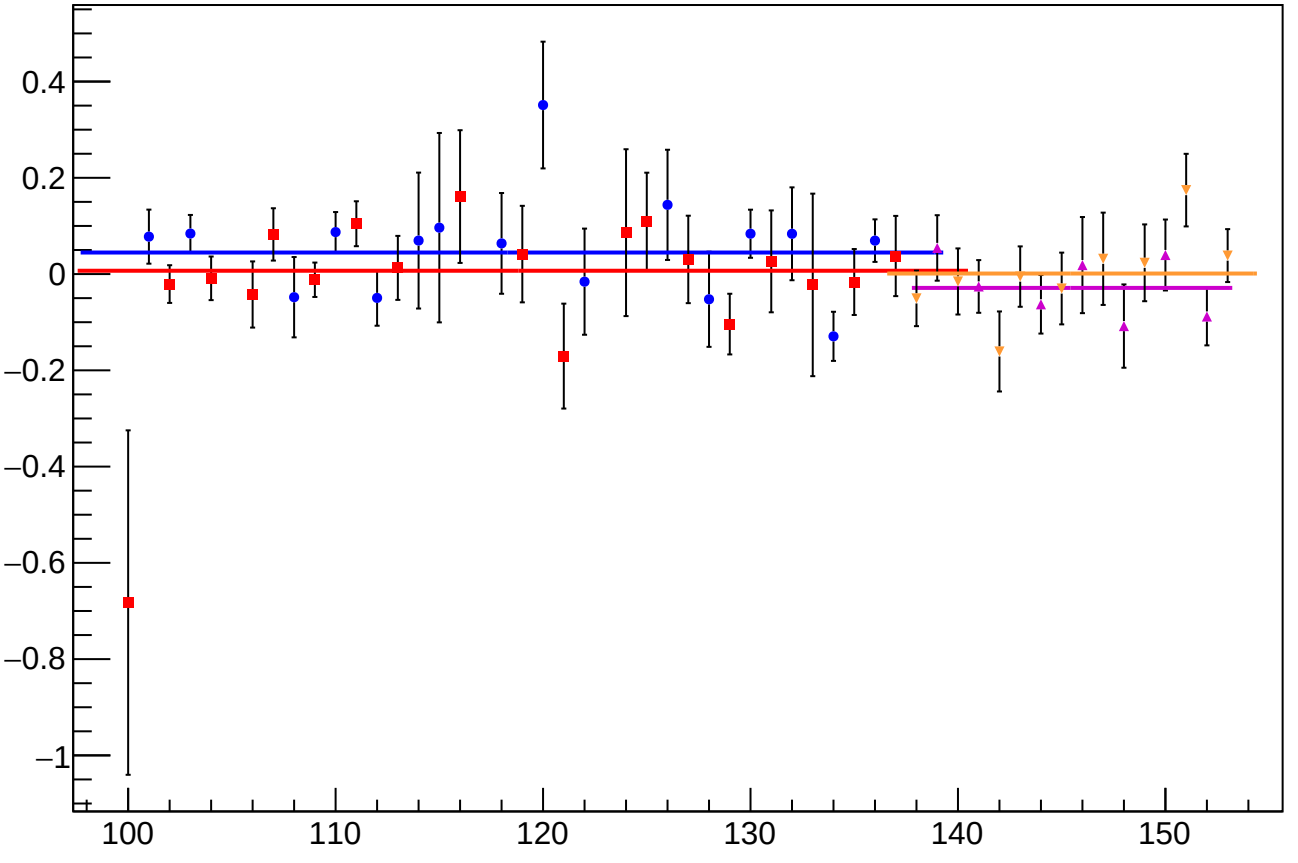
+ sign -0.000+/-0.000 χ^2/NDF: 31.9/24

All: -0.000+/-0.000 χ^2/NDF: 54.9/50

- sign -0.000+/-0.000 χ^2/NDF: 23.0/25


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.002+/-0.000 χ²/NDF:917397.1/8
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.002+/-0.000 χ²/NDF:288467.7/6
+ sign 0.002+/-0.000 χ²/NDF: 3138252.1/24
All: 0.002+/-0.000 χ²/NDF: 5989123.9/50
- sign 0.002+/-0.000 χ²/NDF: 2809739.8/25

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.8/8

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

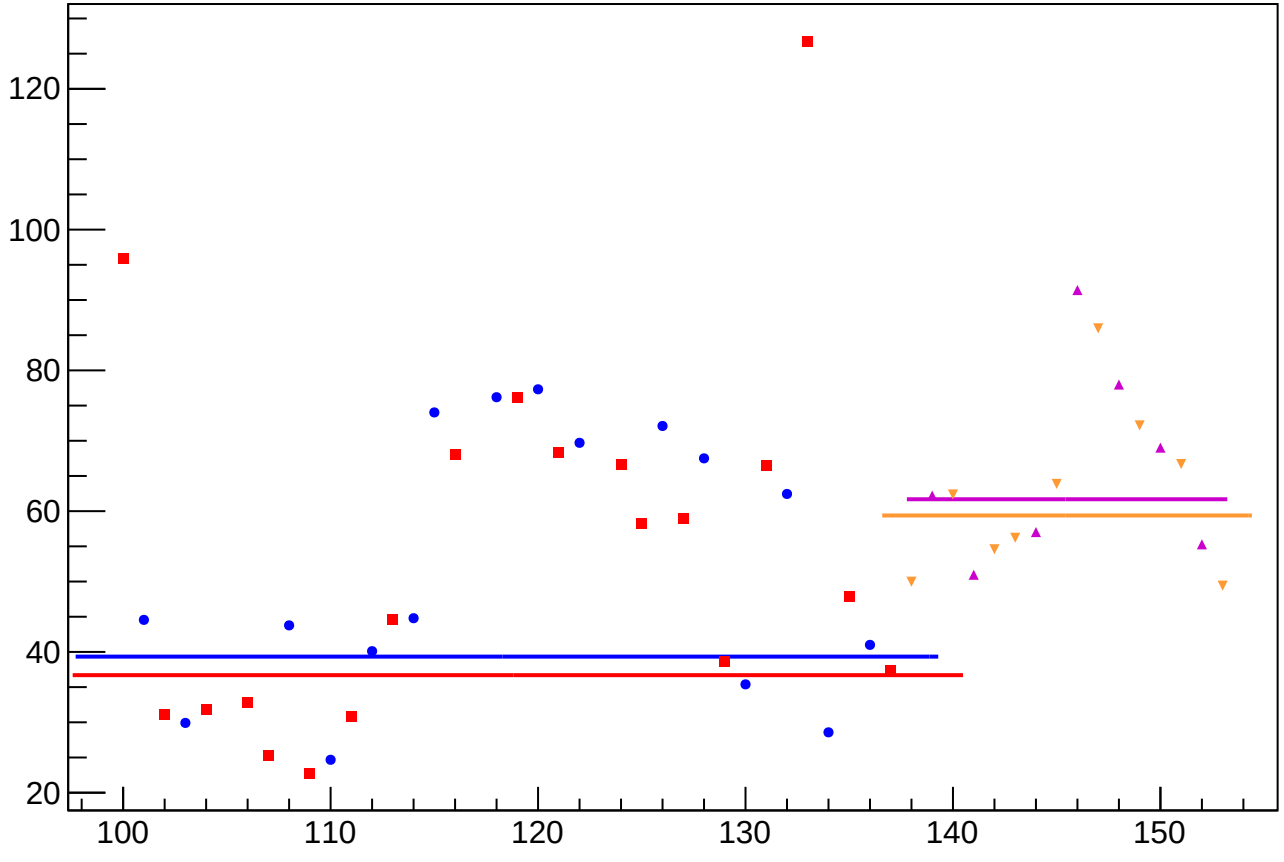
Left In: -0.029+/-0.026 χ^2/NDF:4.7/6

+ sign 0.031+/-0.013 χ^2/NDF: 39.8/24

All: 0.014+/-0.009 χ^2/NDF: 69.2/50

- sign -0.002+/-0.013 χ^2/NDF: 26.3/25

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.388+/-0.016 χ^2/NDF:365799.6/8

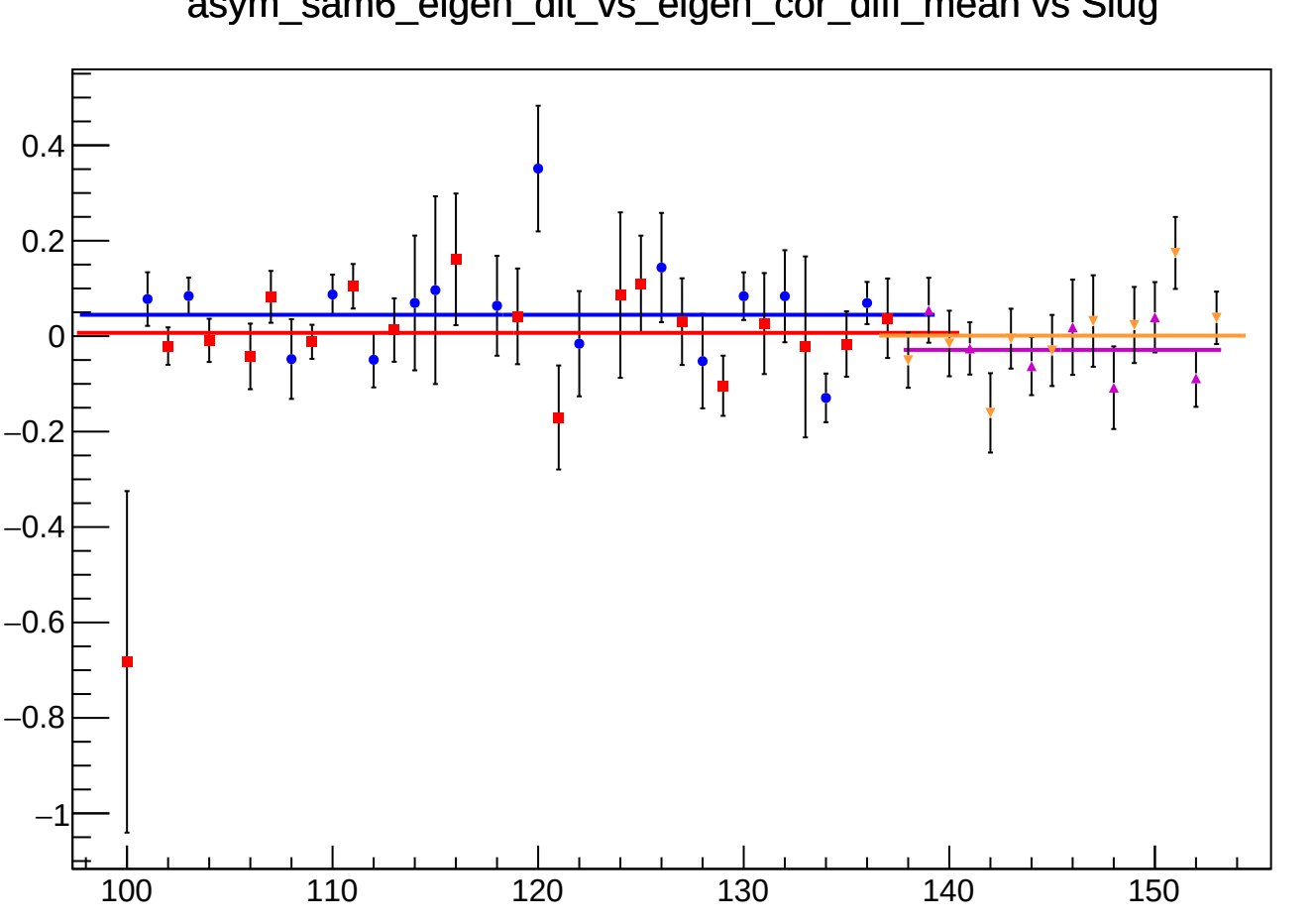
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 61.692+/-0.018 χ^2/NDF:379302.7/6

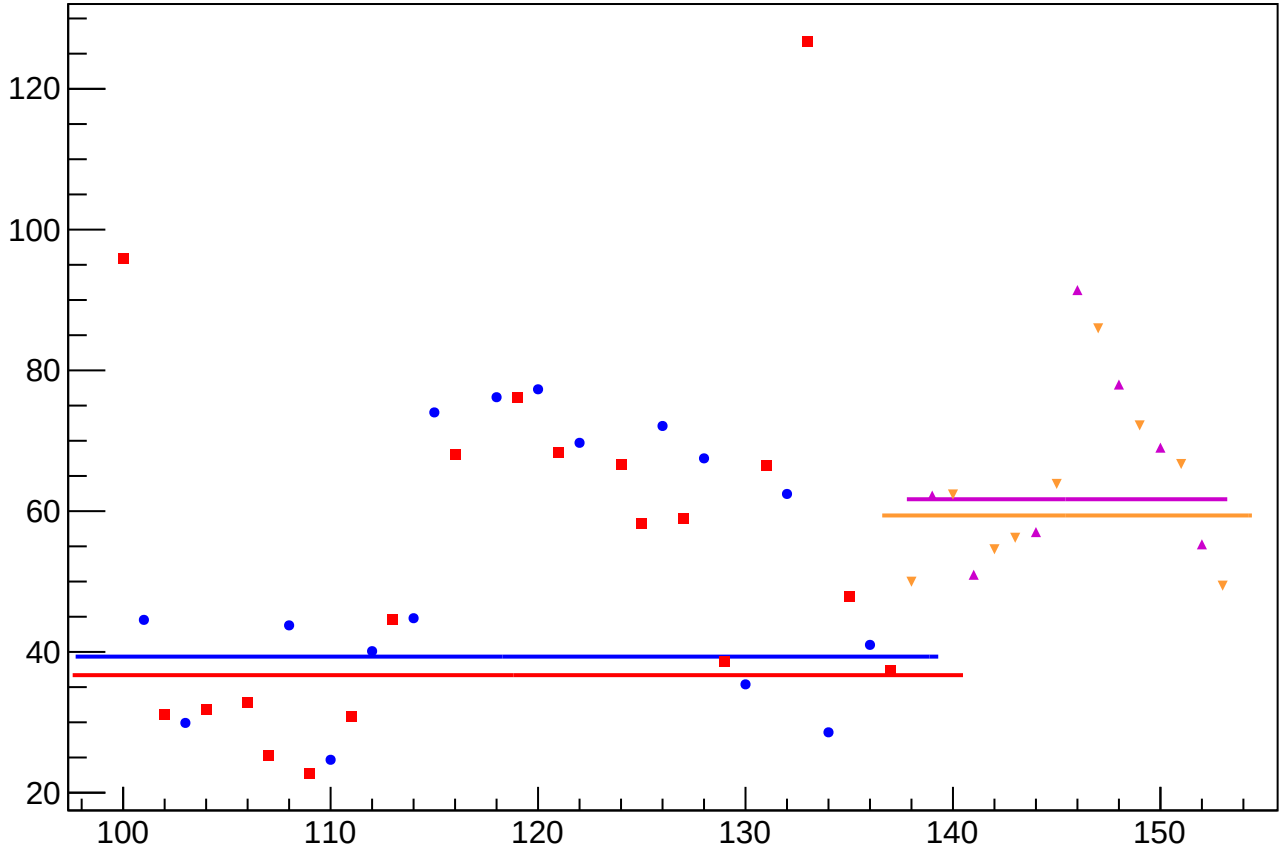
+ sign 45.823+/-0.009 χ^2/NDF: 2946175.3/24

All: 44.458+/-0.007 χ^2/NDF: 6871369.5/50

- sign 43.125+/-0.009 χ^2/NDF: 3882808.6/25


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.001+/-0.023 χ²/NDF:10.8/8
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.029+/-0.026 χ²/NDF:4.7/6
+ sign 0.031+/-0.013 χ²/NDF: 39.8/24
All: 0.014+/-0.009 χ²/NDF: 69.2/50
- sign -0.002+/-0.013 χ²/NDF: 26.3/25

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.388+/-0.016 χ^2/NDF:365799.6/8

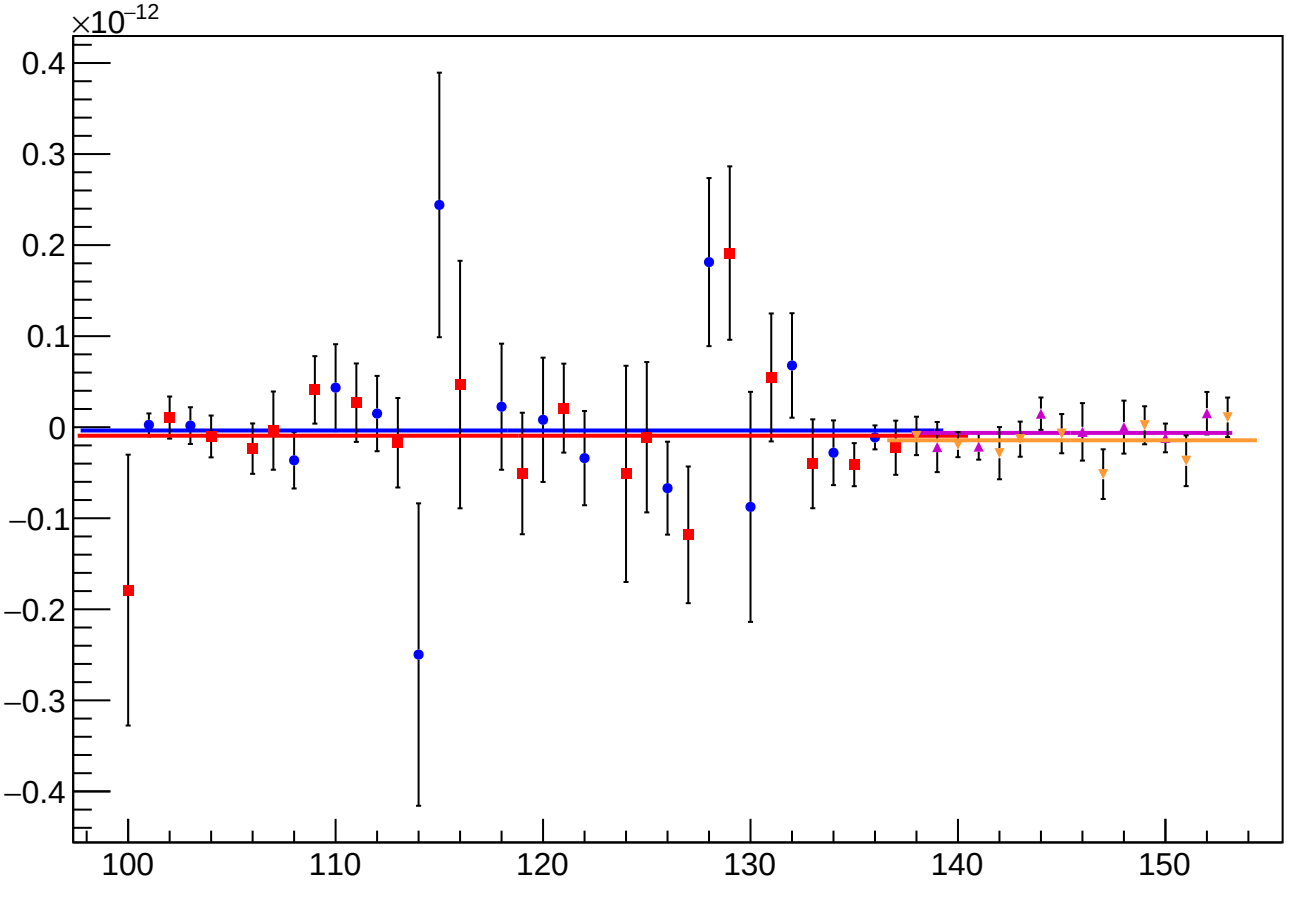
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 61.692+/-0.018 χ^2/NDF:379302.7/6

+ sign 45.823+/-0.009 χ^2/NDF: 2946175.3/24

All: 44.458+/-0.007 χ^2/NDF: 6871369.5/50

- sign 43.125+/-0.009 χ^2/NDF: 3882808.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/8

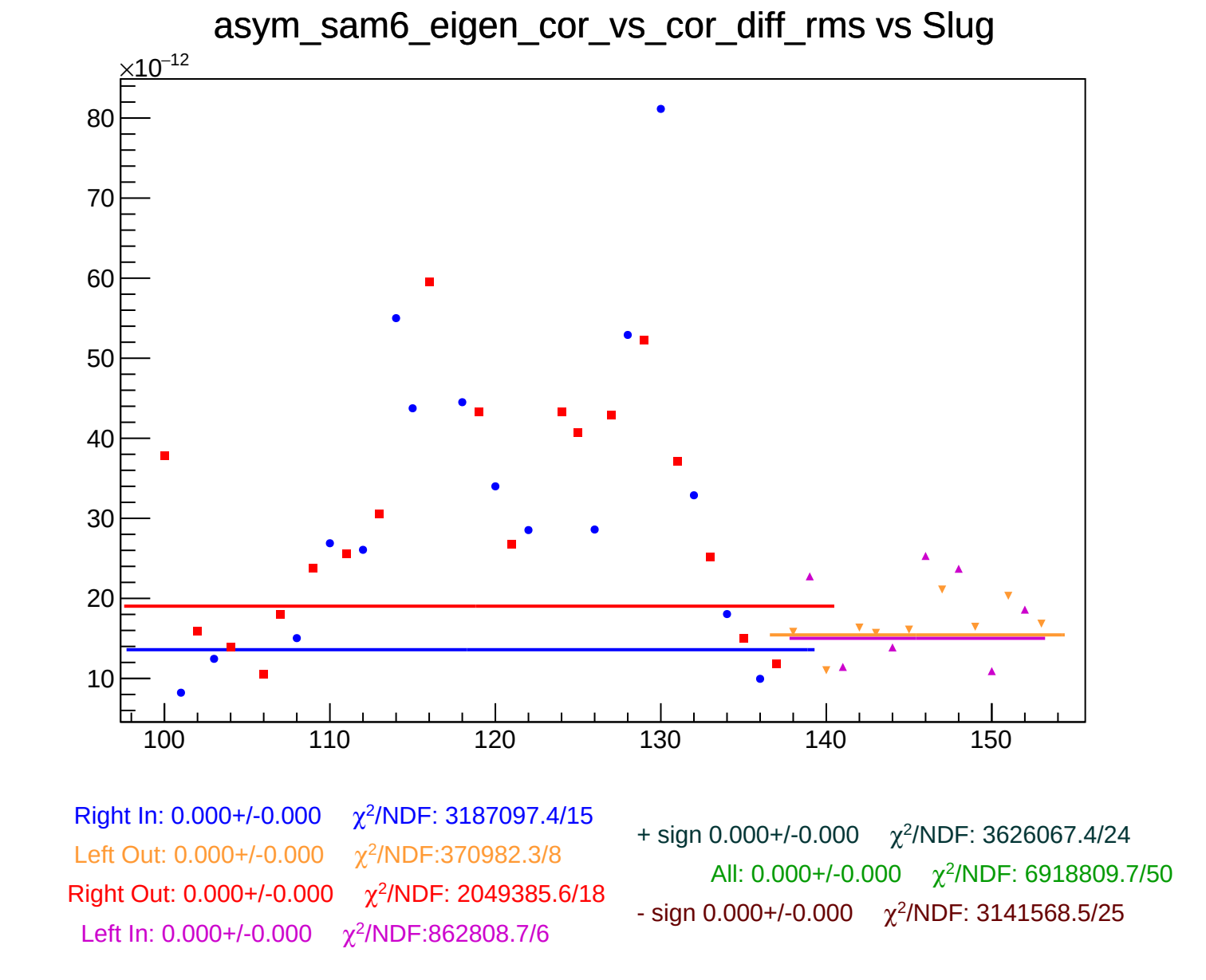
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/6

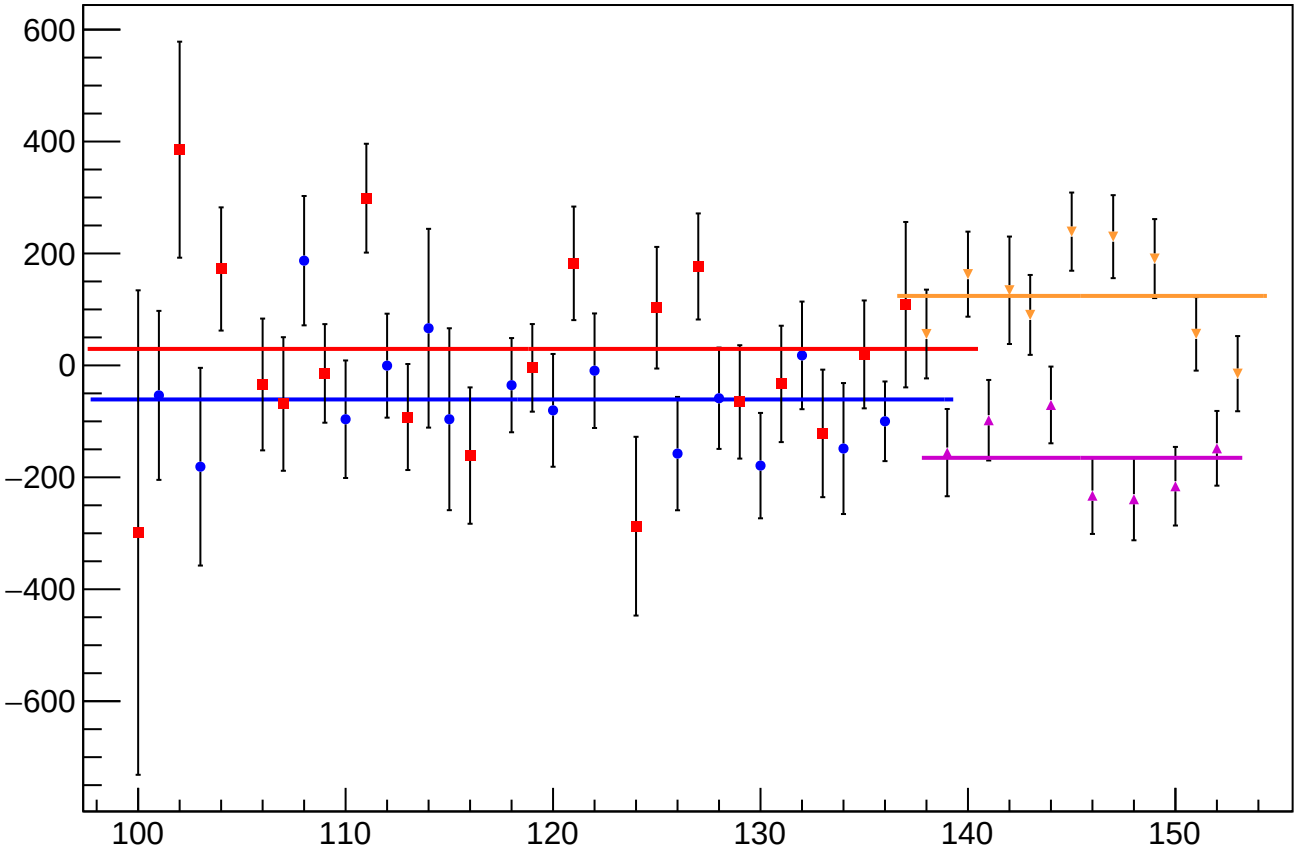
+ sign -0.000+/-0.000 χ^2/NDF: 22.7/24

All: -0.000+/-0.000 χ^2/NDF: 42.5/50

- sign -0.000+/-0.000 χ^2/NDF: 19.7/25


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:370982.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:862808.7/6
+ sign 0.000+/-0.000 χ²/NDF: 3626067.4/24
All: 0.000+/-0.000 χ²/NDF: 6918809.7/50
- sign 0.000+/-0.000 χ²/NDF: 3141568.5/25

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 124.154+/-24.411 χ^2/NDF:12.2/8

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

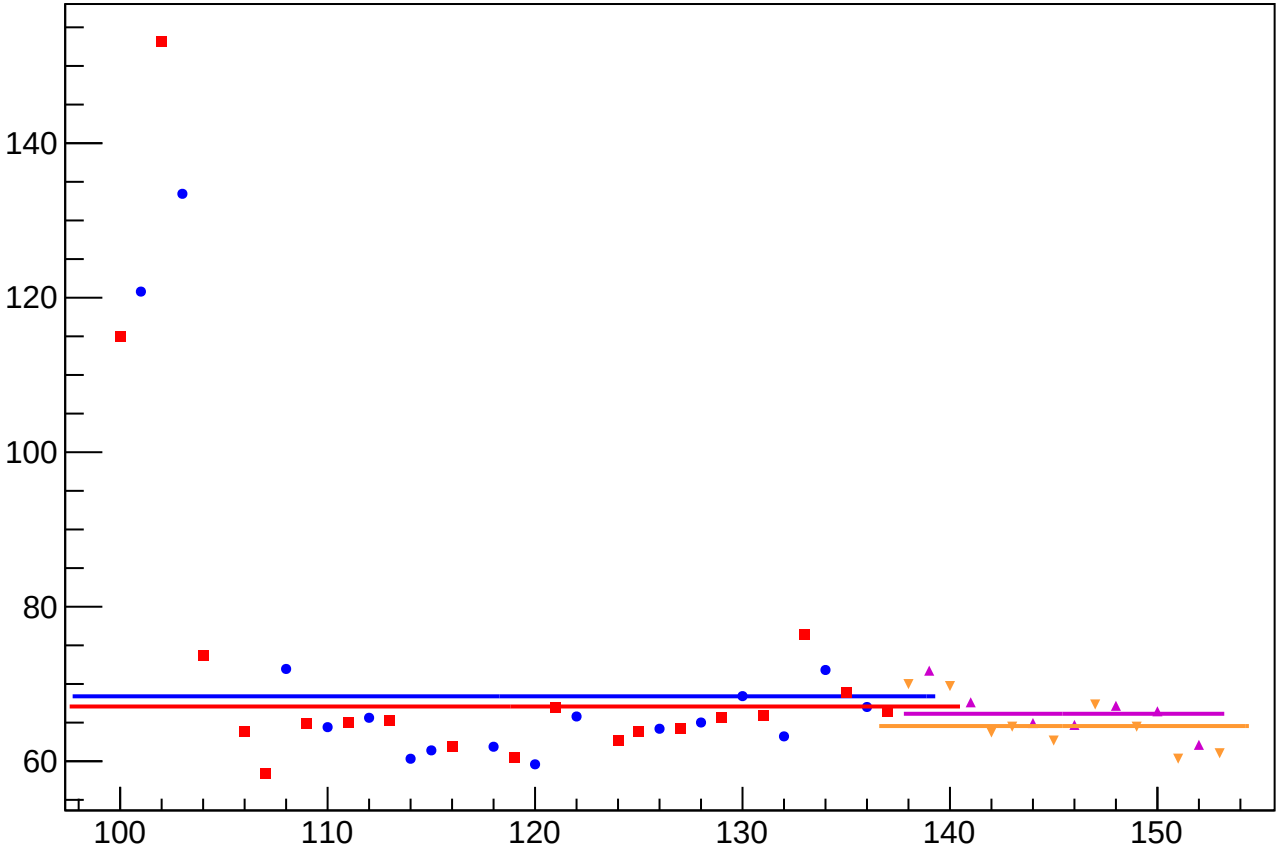
Left In: -165.154+/-26.755 χ^2/NDF:5.4/6

+ sign 37.668+/-17.814 χ^2/NDF: 49.6/24

All: -10.642+/-12.767 χ^2/NDF: 129.5/50

- sign -61.667+/-18.308 χ^2/NDF: 64.7/25

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.554+/-0.017 χ^2/NDF:36860.8/8

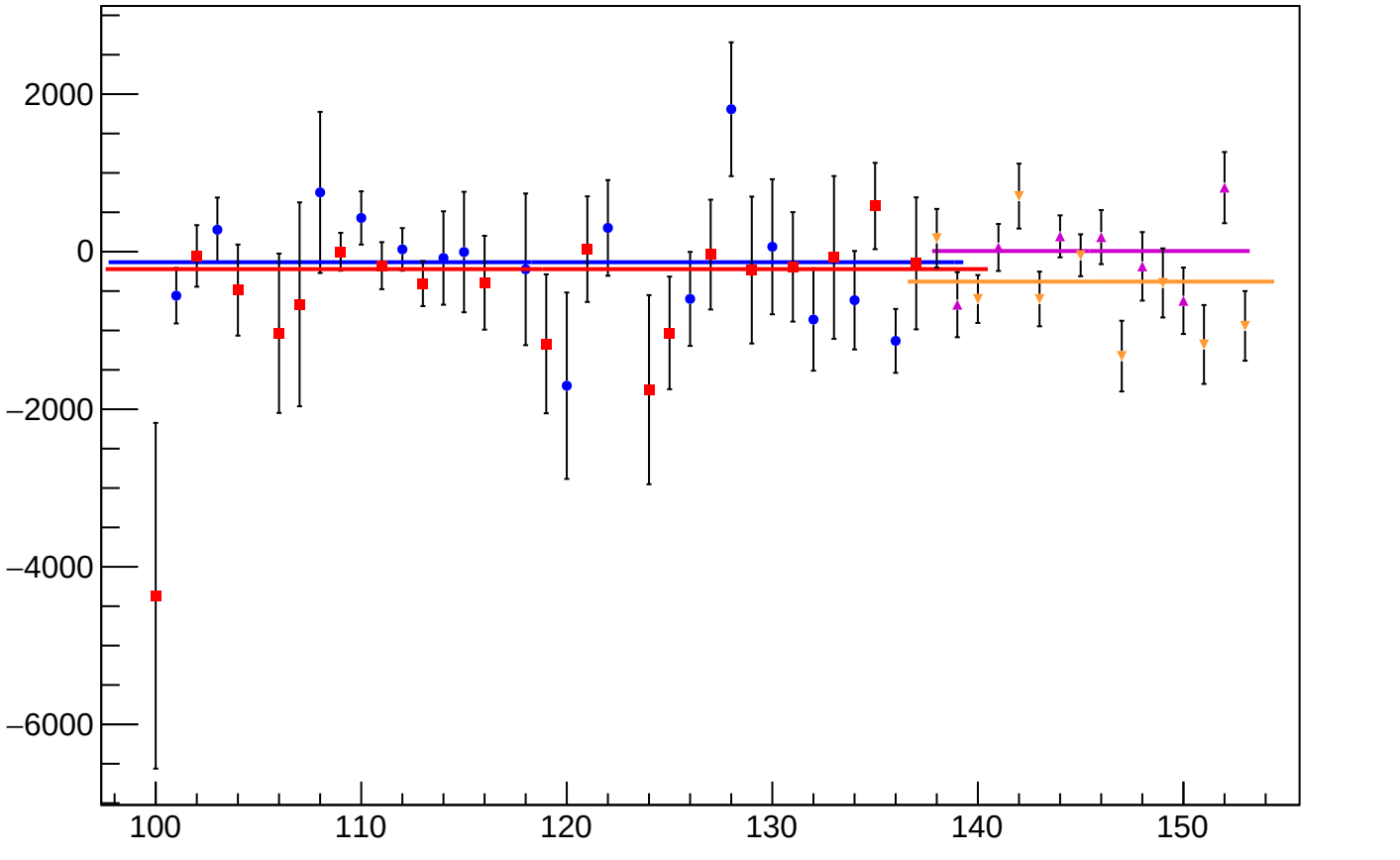
Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 66.143+/-0.019 χ^2/NDF:20287.3/6

+ sign 66.354+/-0.013 χ^2/NDF: 629666.0/24

All: 66.495+/-0.009 χ^2/NDF: 1133348.8/50

- sign 66.644+/-0.013 χ^2/NDF: 503423.9/25



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -379.689+/-123.473 χ^2/NDF:20.2/8

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

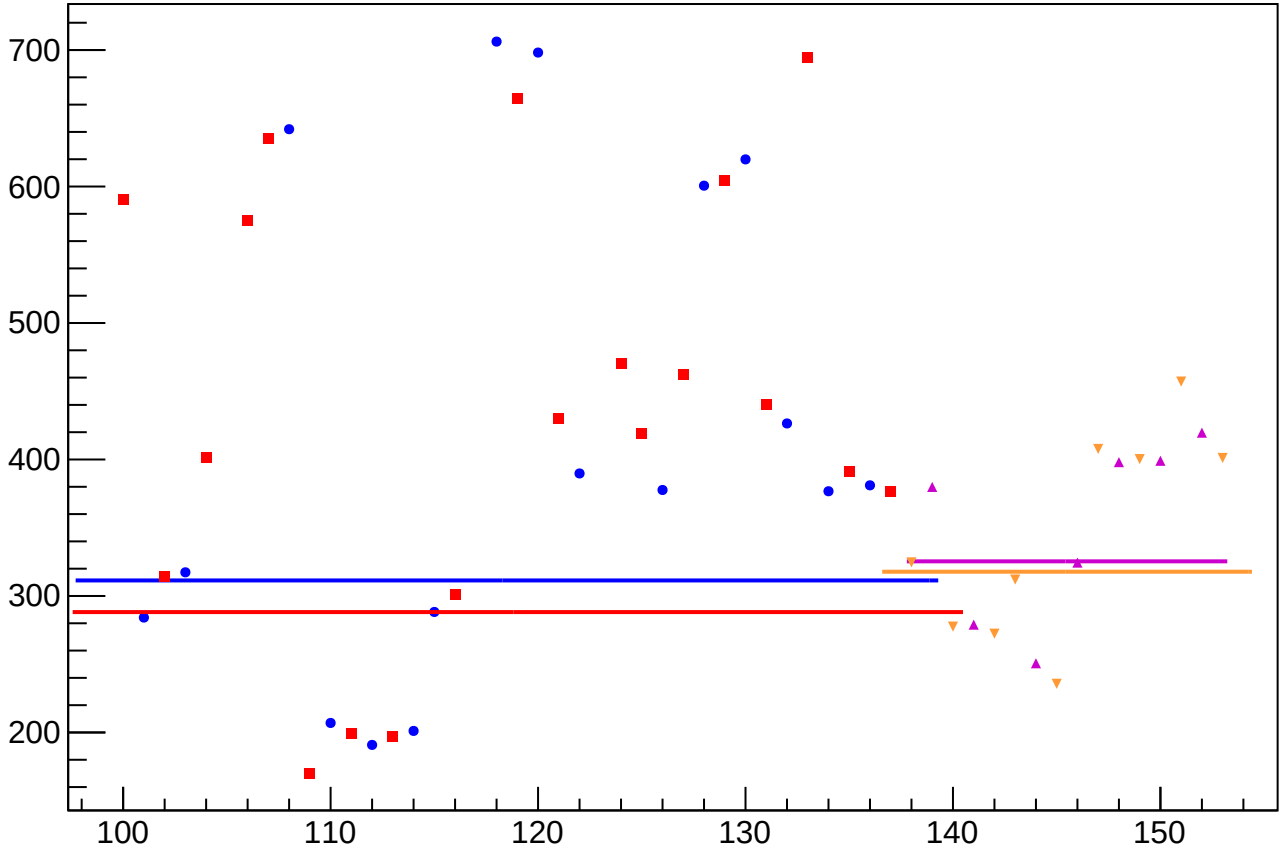
Left In: 8.357+/-134.283 χ^2/NDF:9.1/6

+ sign -259.038+/-88.155 χ^2/NDF: 44.6/24

All: -190.551+/-62.473 χ^2/NDF: 69.2/50

- sign -121.454+/-88.547 χ^2/NDF: 23.3/25

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 317.778+/-0.087 χ^2/NDF:628154.5/8

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

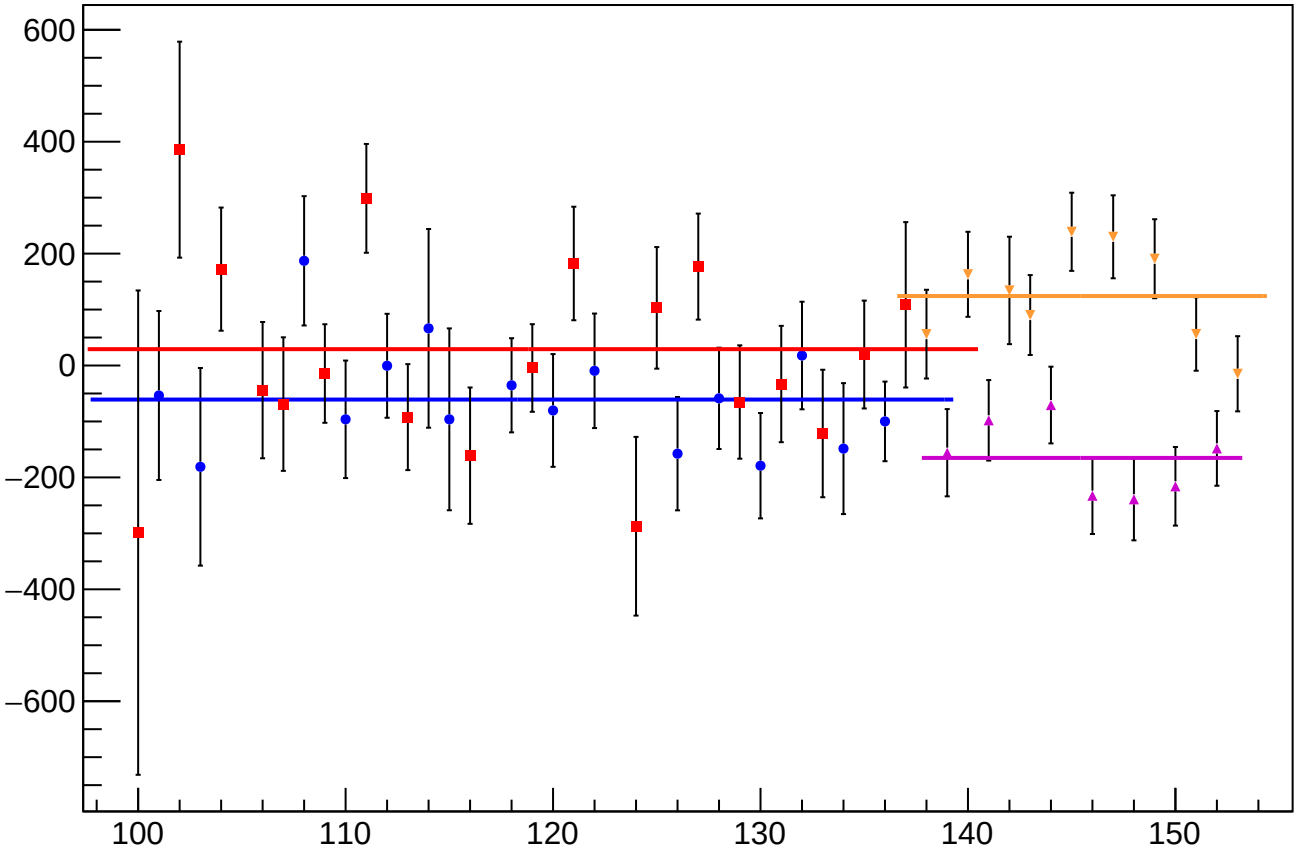
Left In: 325.381+/-0.095 χ^2/NDF:443975.5/6

+ sign 314.644+/-0.062 χ^2/NDF: 2754579.4/24

All: 309.530+/-0.044 χ^2/NDF: 6014097.4/50

- sign 304.370+/-0.063 χ^2/NDF: 3245994.9/25

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 124.155+/-24.411 χ^2/NDF:12.2/8

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

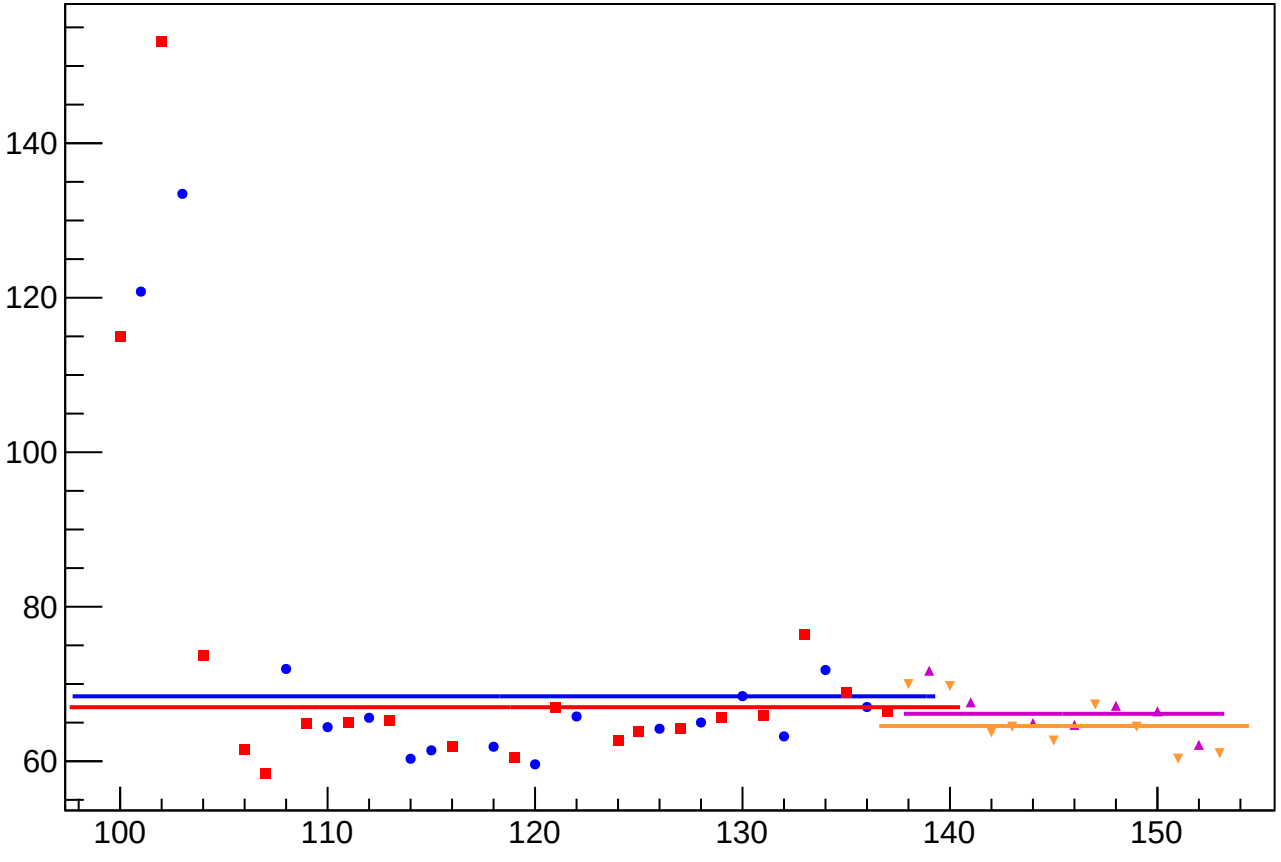
Left In: -165.154+/-26.755 χ^2/NDF:5.4/6

+ sign 37.667+/-17.814 χ^2/NDF: 49.6/24

All: -10.733+/-12.772 χ^2/NDF: 129.5/50

- sign -61.936+/-18.322 χ^2/NDF: 64.7/25

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.554+/-0.017 χ^2/NDF:36860.8/8

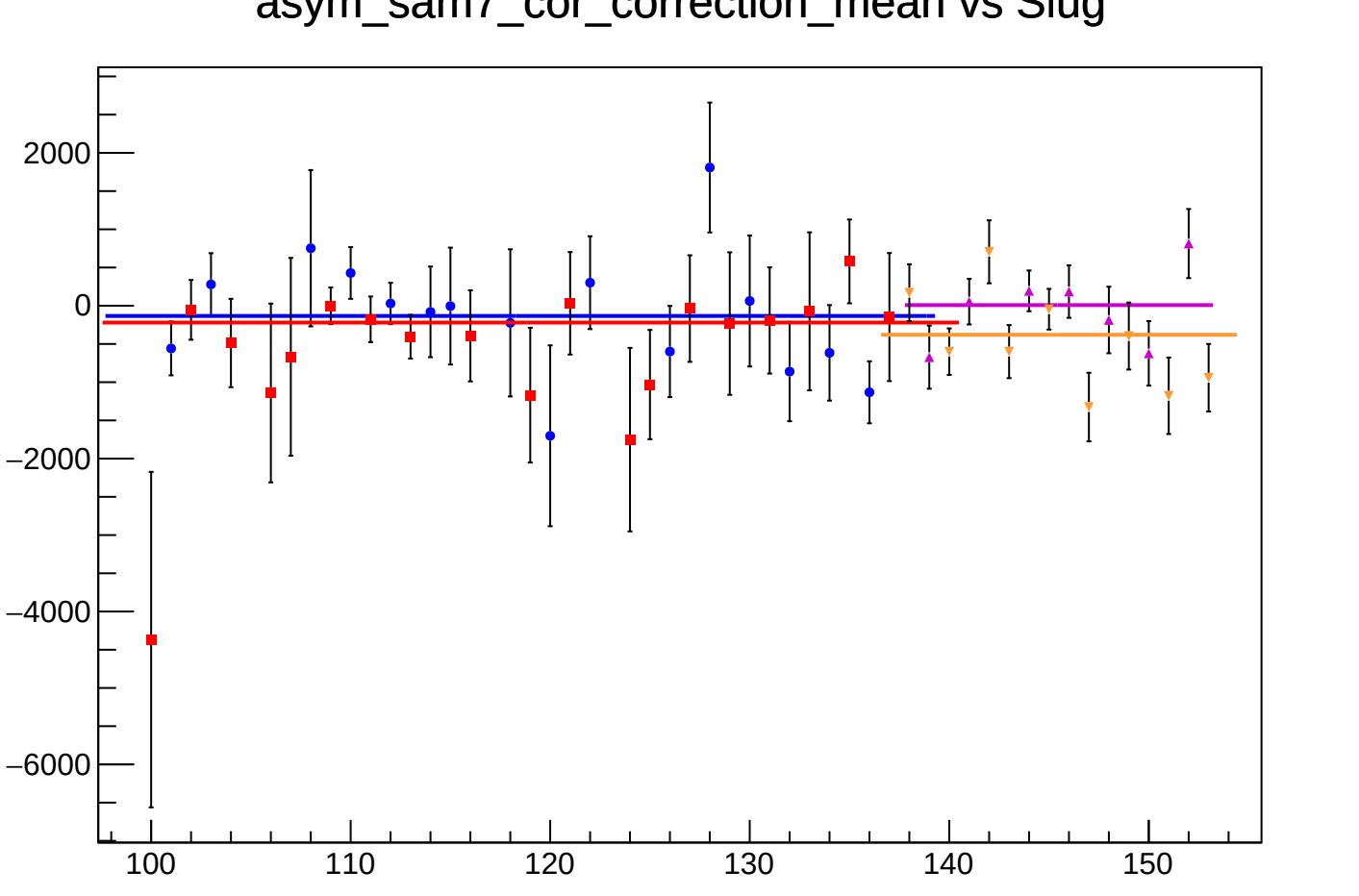
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.143+/-0.019 χ^2/NDF:20287.3/6

+ sign 66.354+/-0.013 χ^2/NDF: 629666.3/24

All: 66.471+/-0.009 χ^2/NDF: 1135697.0/50

- sign 66.595+/-0.013 χ^2/NDF: 505852.0/25



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -379.687+/-123.473 χ^2/NDF:20.2/8

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

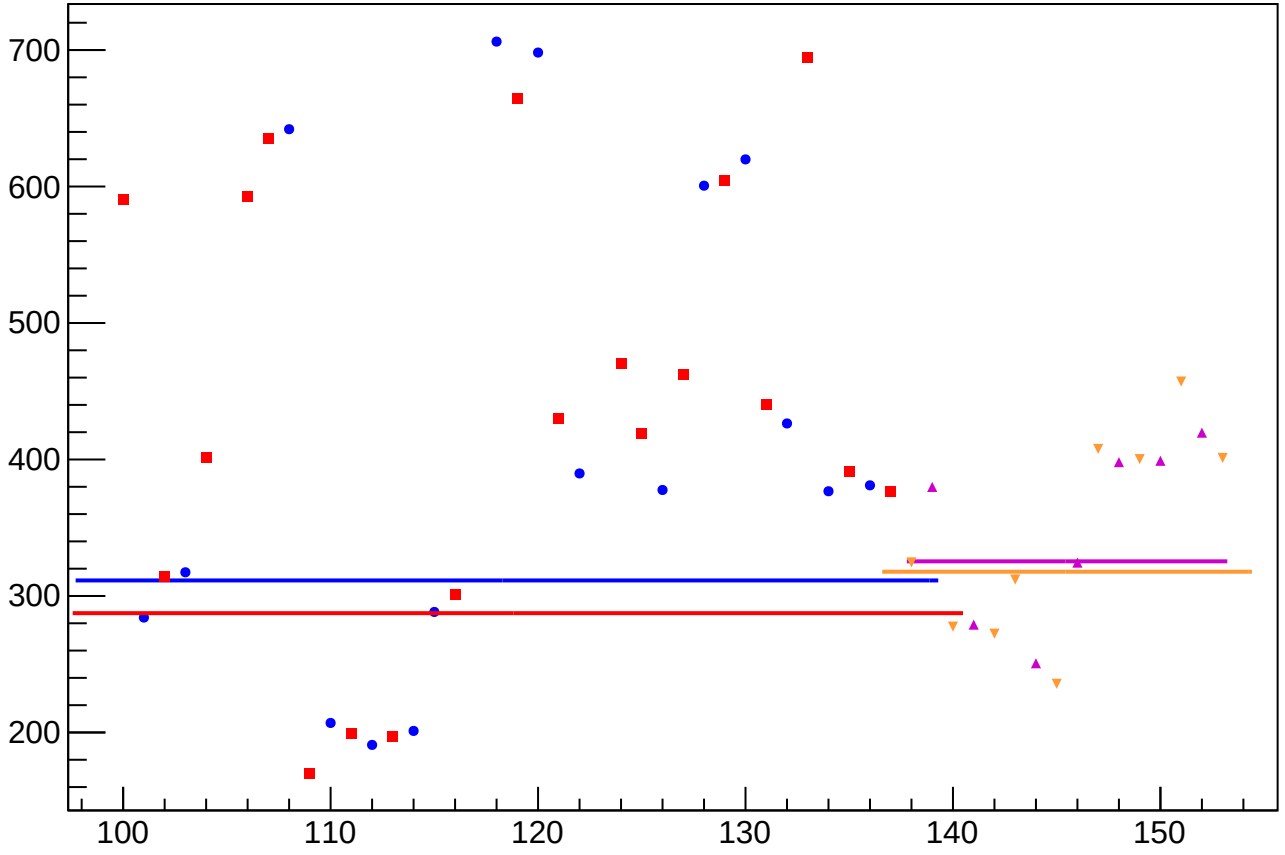
Left In: 8.360+/-134.283 χ^2/NDF:9.1/6

+ sign -259.036+/-88.156 χ^2/NDF: 44.6/24

All: -190.039+/-62.504 χ^2/NDF: 69.1/50

- sign -120.291+/-88.635 χ^2/NDF: 23.3/25

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.777+/-0.087 χ^2/NDF:628158.1/8

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

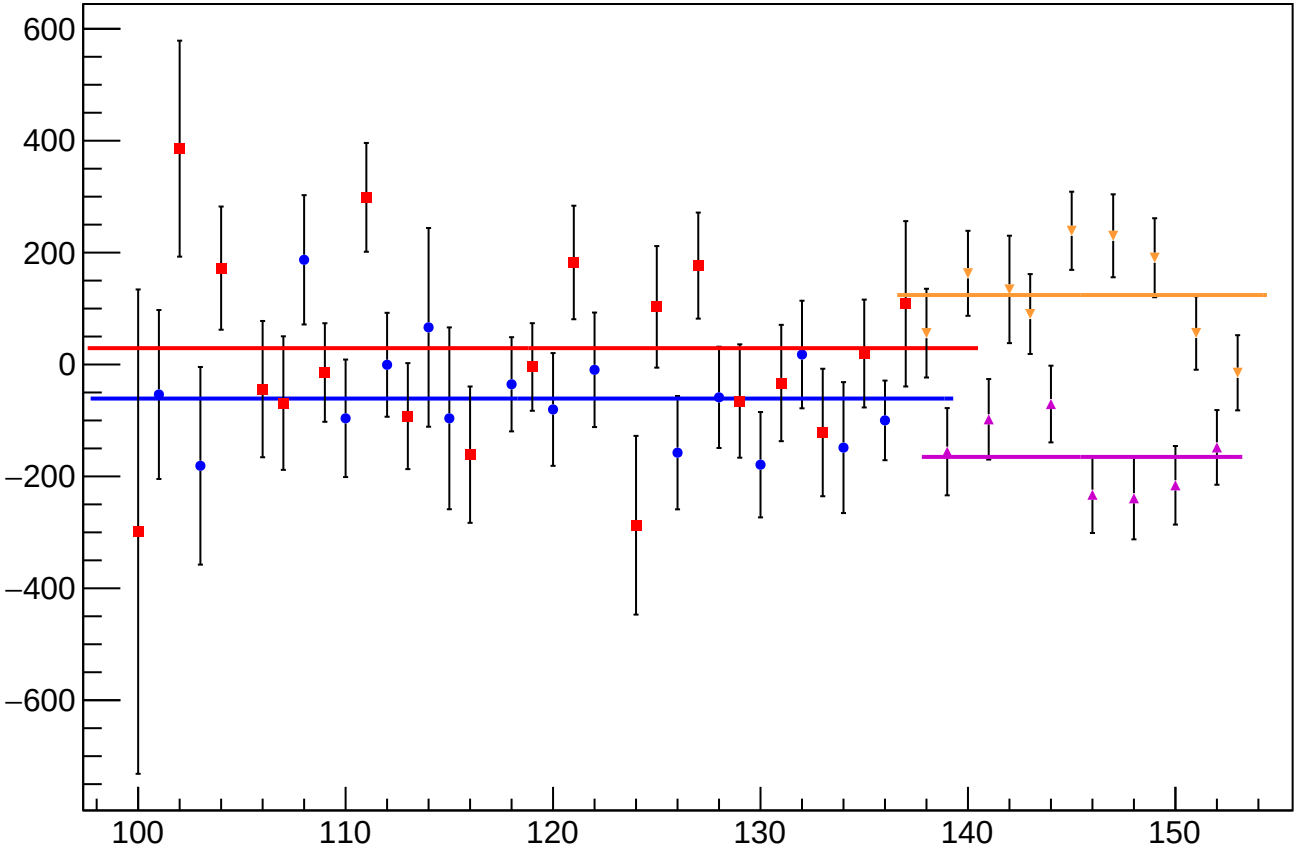
Left In: 325.382+/-0.095 χ^2/NDF:443975.4/6

+ sign 314.645+/-0.062 χ^2/NDF: 2754582.7/24

All: 309.329+/-0.044 χ^2/NDF: 5993672.3/50

- sign 303.955+/-0.063 χ^2/NDF: 3224465.3/25

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 124.155+/-24.411 χ^2/NDF:12.2/8

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

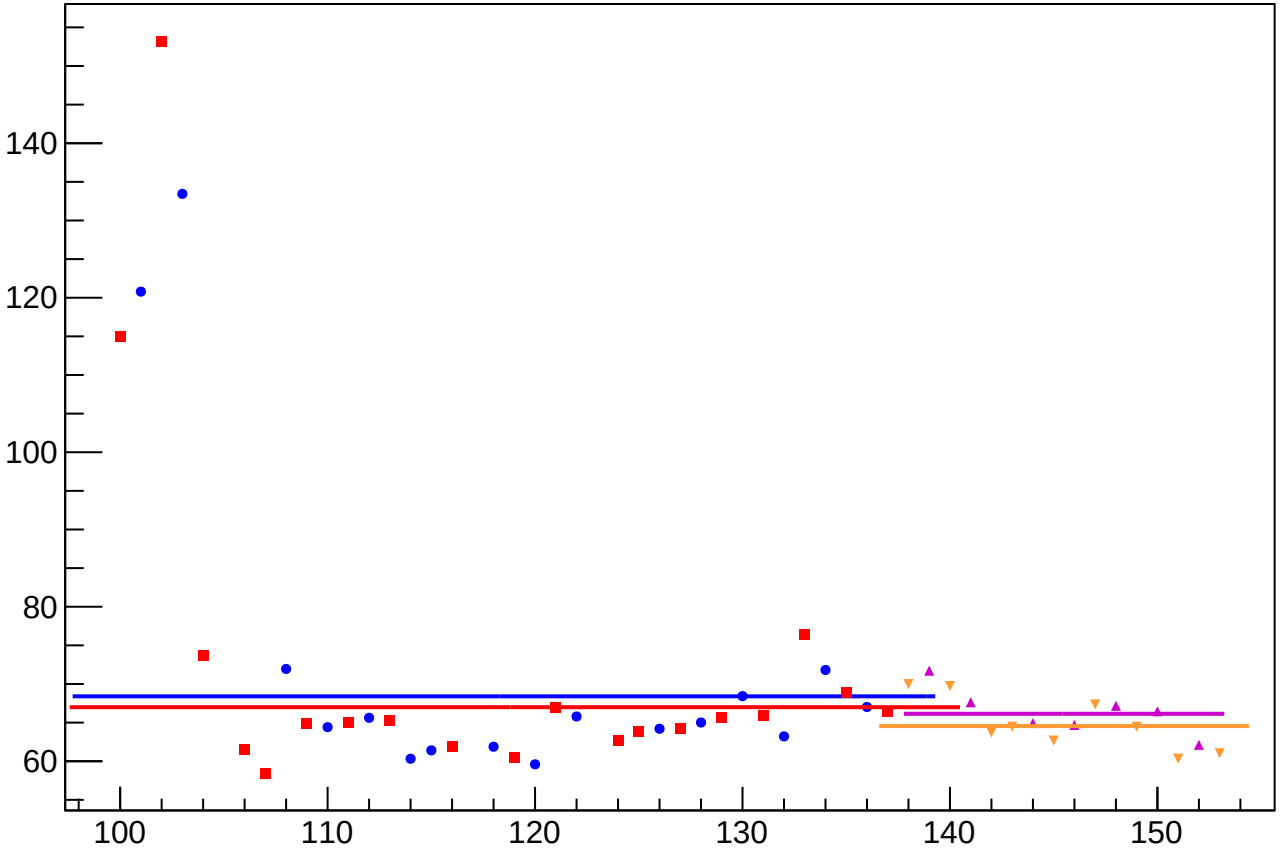
Left In: -165.154+/-26.755 χ^2/NDF:5.4/6

+ sign 37.667+/-17.814 χ^2/NDF: 49.6/24

All: -10.733+/-12.772 χ^2/NDF: 129.5/50

- sign -61.936+/-18.322 χ^2/NDF: 64.7/25

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.554+/-0.017 χ^2/NDF:36860.8/8

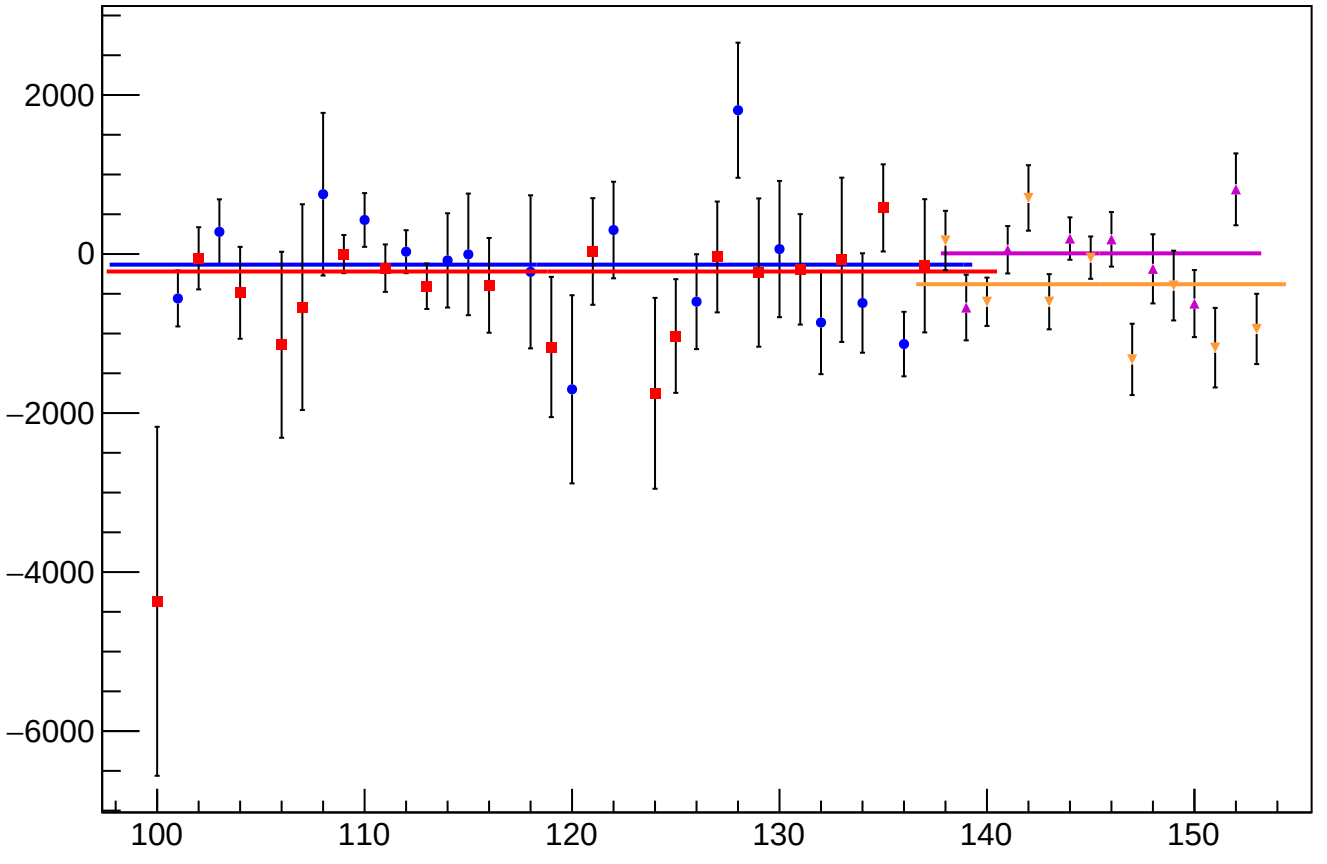
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.143+/-0.019 χ^2/NDF:20287.3/6

+ sign 66.354+/-0.013 χ^2/NDF: 629666.3/24

All: 66.471+/-0.009 χ^2/NDF: 1135697.0/50

- sign 66.595+/-0.013 χ^2/NDF: 505852.0/25



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -379.687+/-123.473 χ^2/NDF:20.2/8

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

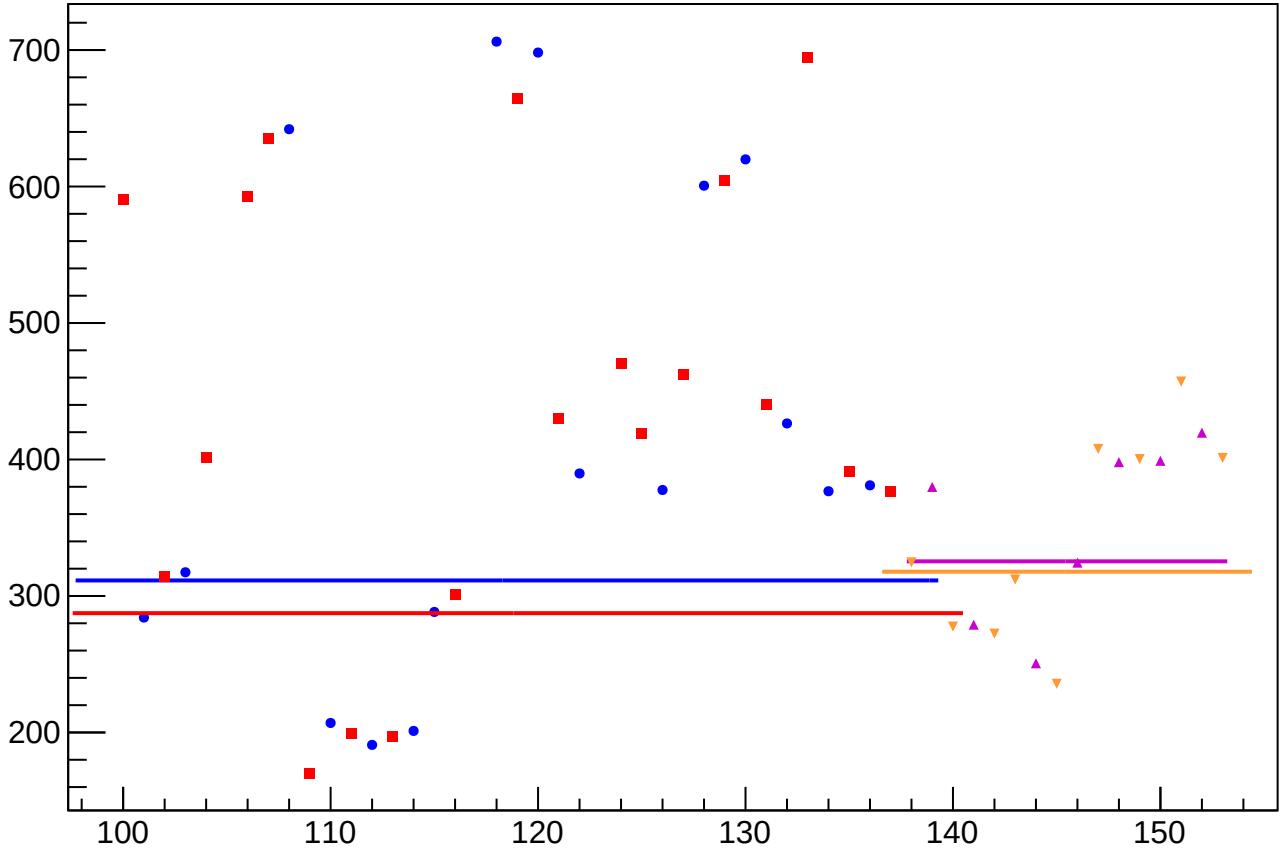
Left In: 8.360+/-134.283 χ^2/NDF:9.1/6

+ sign -259.036+/-88.156 χ^2/NDF: 44.6/24

All: -190.039+/-62.504 χ^2/NDF: 69.1/50

- sign -120.291+/-88.635 χ^2/NDF: 23.3/25

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.777+/-0.087 χ^2/NDF:628158.1/8

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

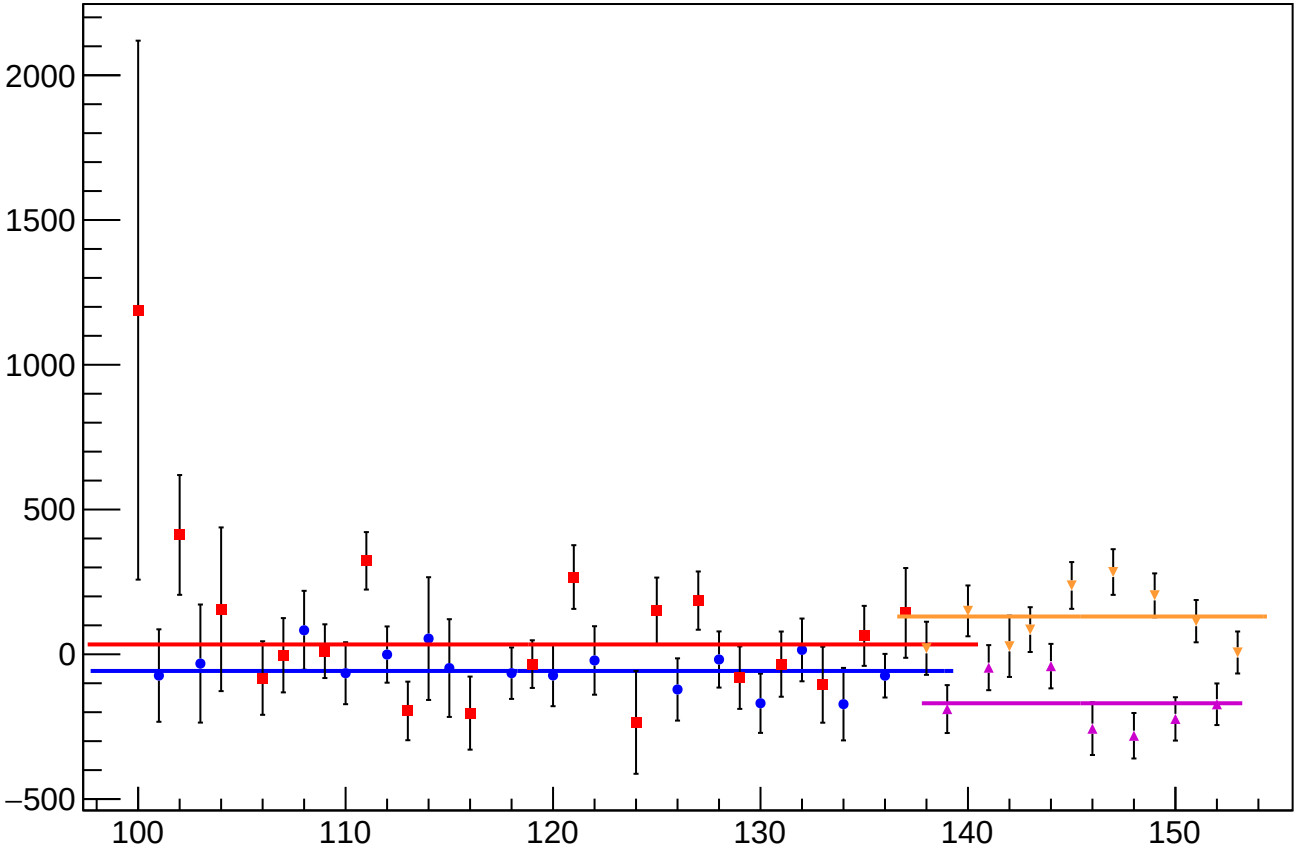
Left In: 325.382+/-0.095 χ^2/NDF:443975.4/6

+ sign 314.645+/-0.062 χ^2/NDF: 2754582.7/24

All: 309.329+/-0.044 χ^2/NDF: 5993672.3/50

- sign 303.955+/-0.063 χ^2/NDF: 3224465.3/25

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 130.535+/-27.010 χ^2/NDF:12.2/8

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

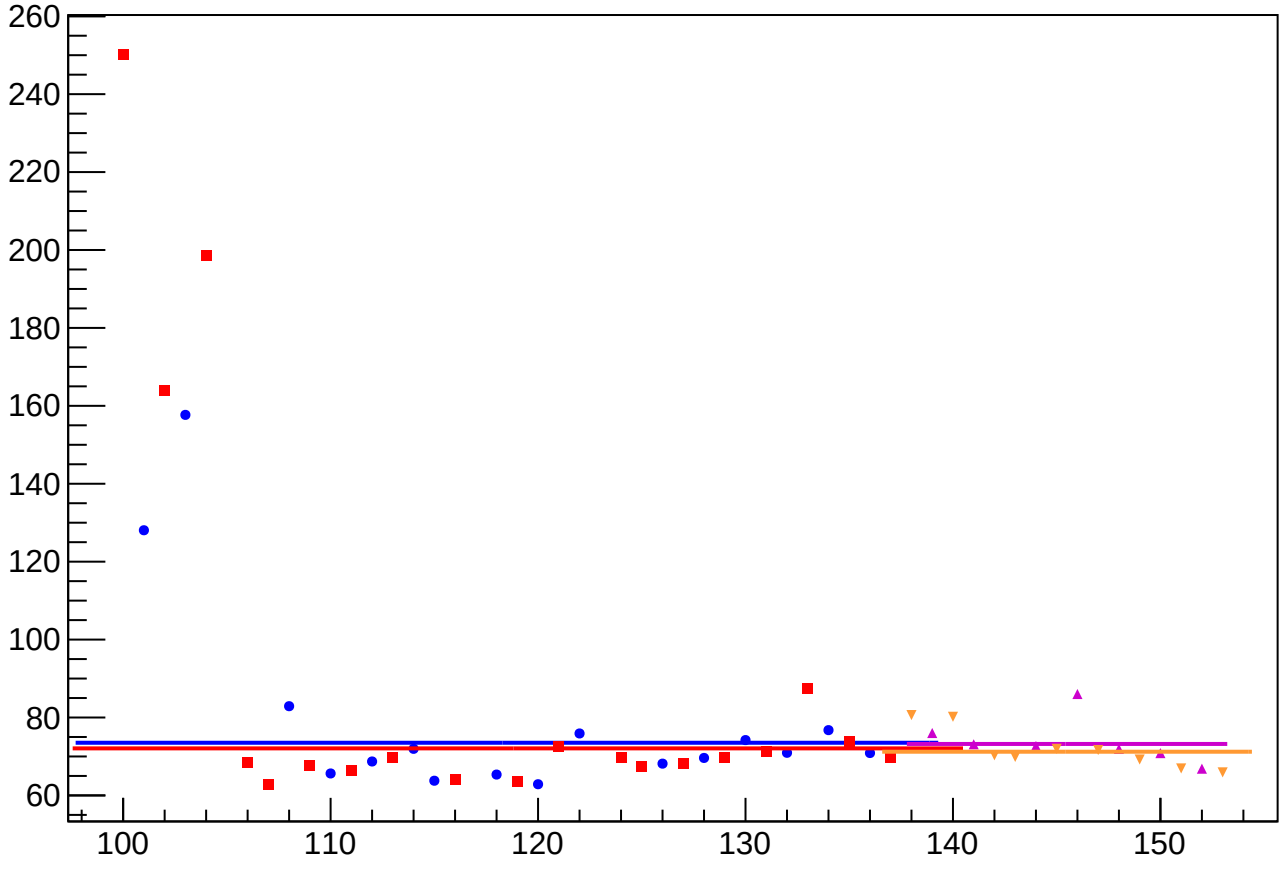
Left In: -169.123+/-29.677 χ^2/NDF:8.8/6

+ sign 40.174+/-19.469 χ^2/NDF: 40.4/24

All: -7.970+/-13.995 χ^2/NDF: 124.3/50

- sign -59.445+/-20.131 χ^2/NDF: 71.3/25

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 71.218+/-0.019 χ^2/NDF:61852.7/8

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

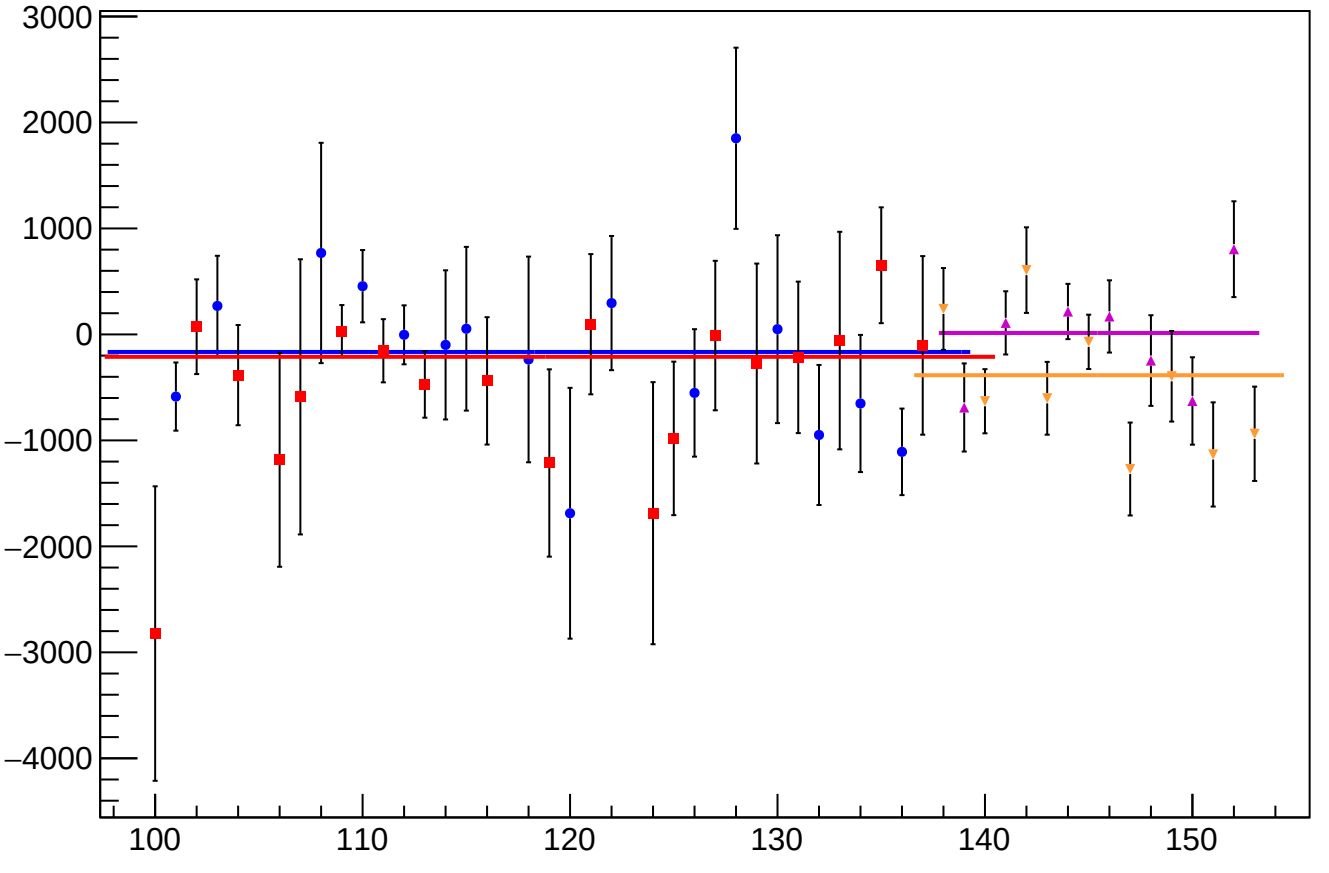
Left In: 73.212+/-0.021 χ^2/NDF:60223.0/6

+ sign 72.324+/-0.014 χ^2/NDF: 725674.3/24

All: 72.456+/-0.010 χ^2/NDF: 1746170.4/50

- sign 72.597+/-0.014 χ^2/NDF: 1020304.8/25

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -384.973+/-121.883 χ^2/NDF:19.2/8

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

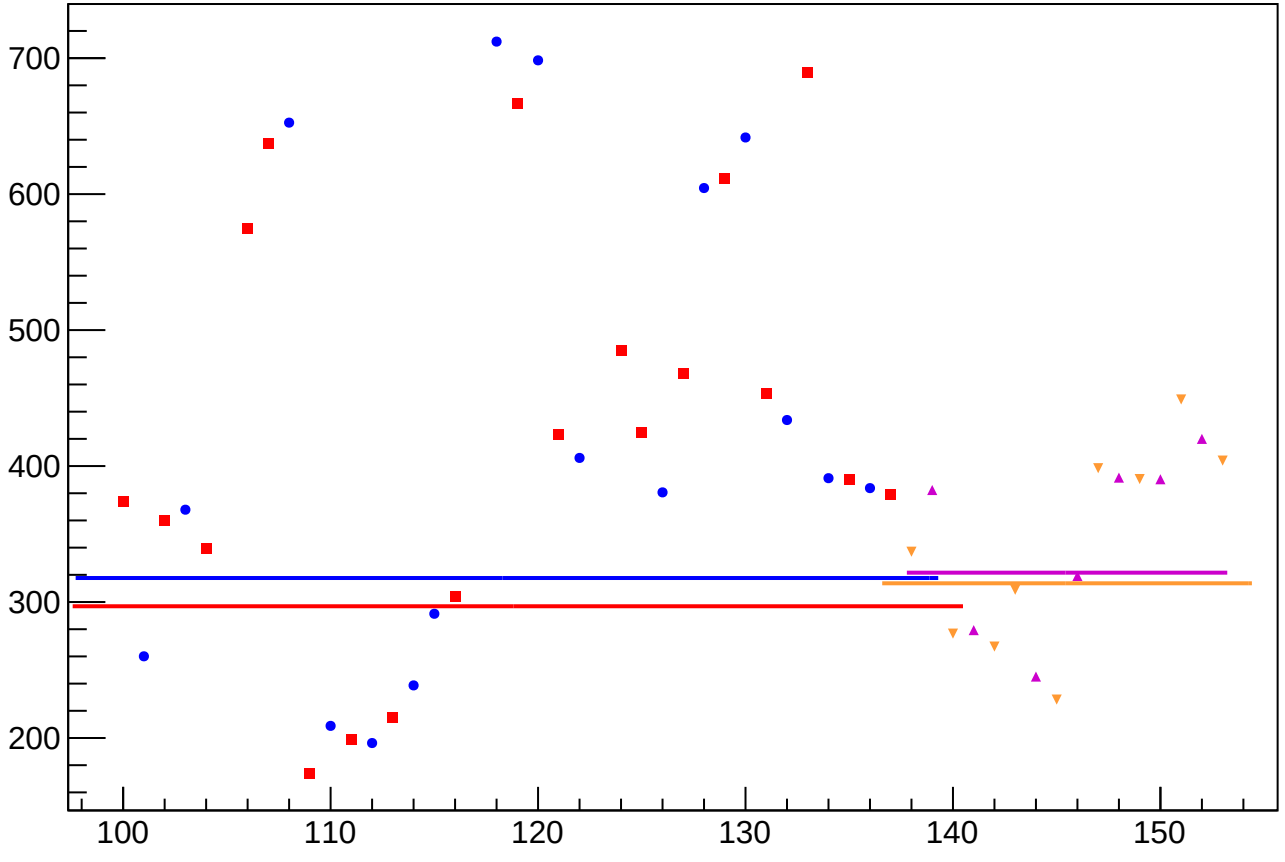
Left In: 13.580+/-132.940 χ^2/NDF:9.6/6

+ sign -280.979+/-88.411 χ^2/NDF: 43.3/24

All: -196.303+/-62.768 χ^2/NDF: 70.0/50

- sign -110.248+/-89.127 χ^2/NDF: 24.8/25

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 313.778+/-0.086 χ^2/NDF:659132.2/8

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

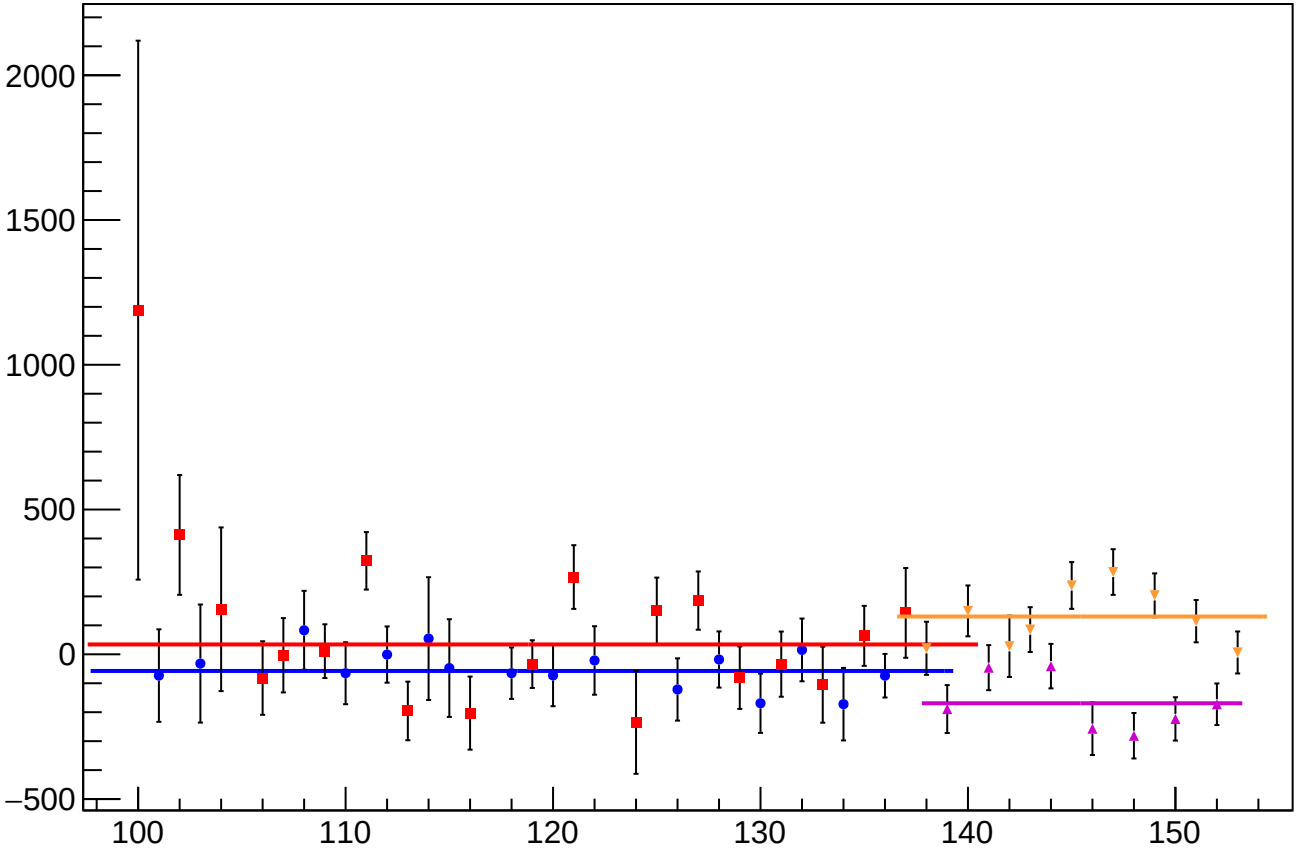
Left In: 321.591+/-0.094 χ^2/NDF:458422.2/6

+ sign 315.619+/-0.063 χ^2/NDF: 2796288.5/24

All: 311.836+/-0.044 χ^2/NDF: 5841151.9/50

- sign 307.991+/-0.063 χ^2/NDF: 3037479.9/25

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 130.534+/-27.010 χ^2/NDF:12.2/8

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

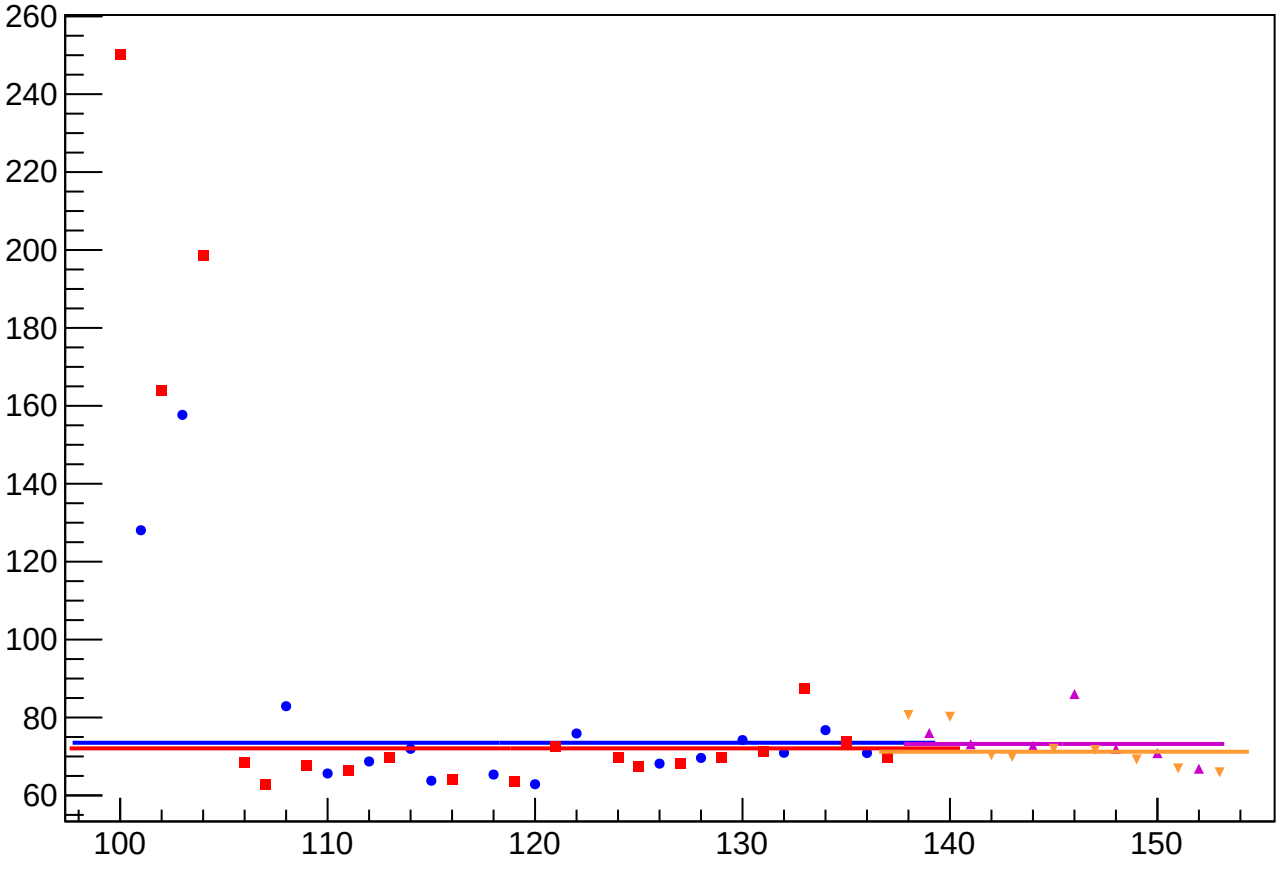
Left In: -169.123+/-29.677 χ^2/NDF:8.8/6

+ sign 40.174+/-19.469 χ^2/NDF: 40.4/24

All: -7.970+/-13.995 χ^2/NDF: 124.3/50

- sign -59.444+/-20.131 χ^2/NDF: 71.3/25

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 71.218+/-0.019 χ^2/NDF:61852.6/8

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

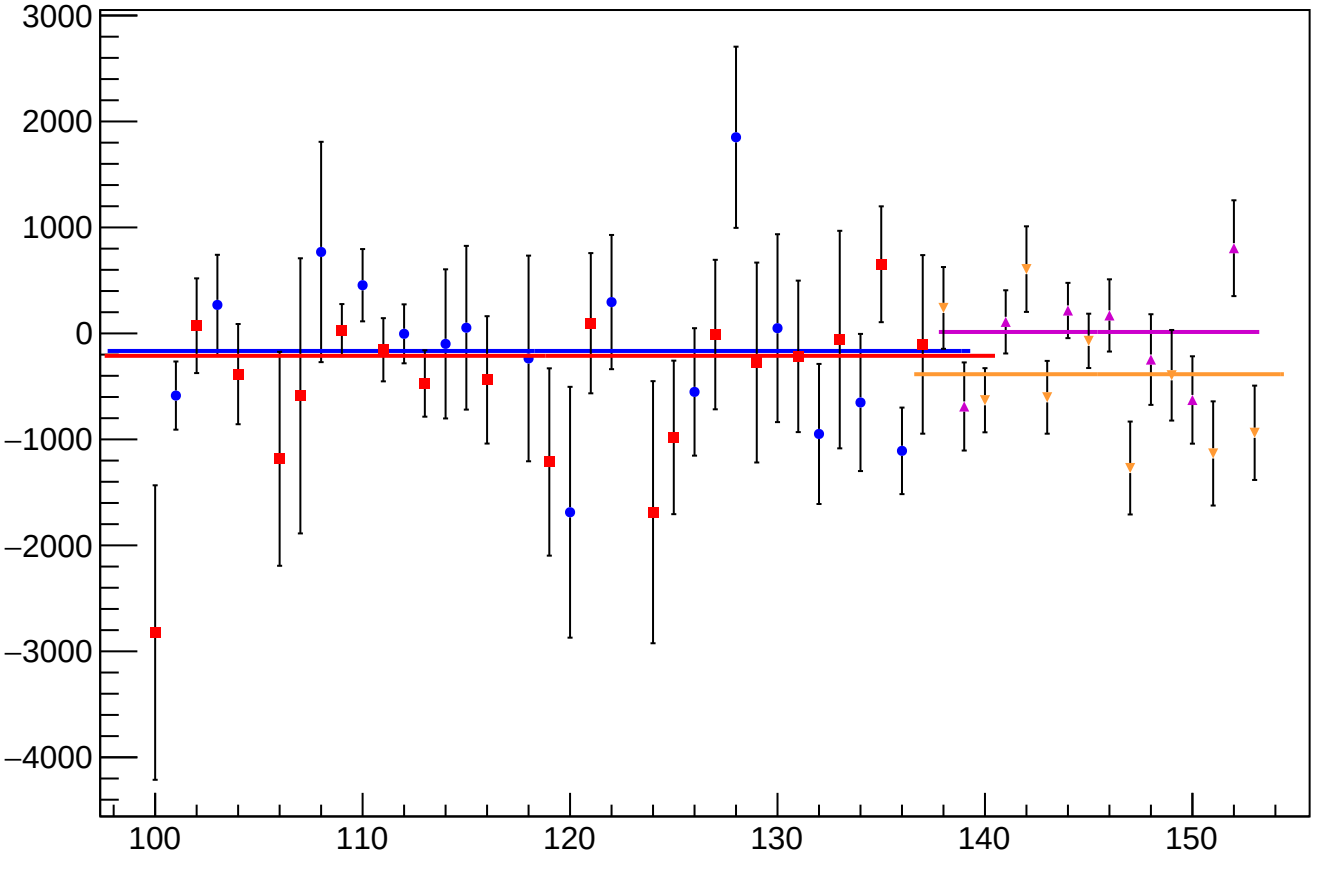
Left In: 73.212+/-0.021 χ^2/NDF:60223.6/6

+ sign 72.324+/-0.014 χ^2/NDF: 725675.1/24

All: 72.456+/-0.010 χ^2/NDF: 1746173.5/50

- sign 72.597+/-0.014 χ^2/NDF: 1020307.1/25

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -384.974+/-121.883 χ^2/NDF:19.2/8

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

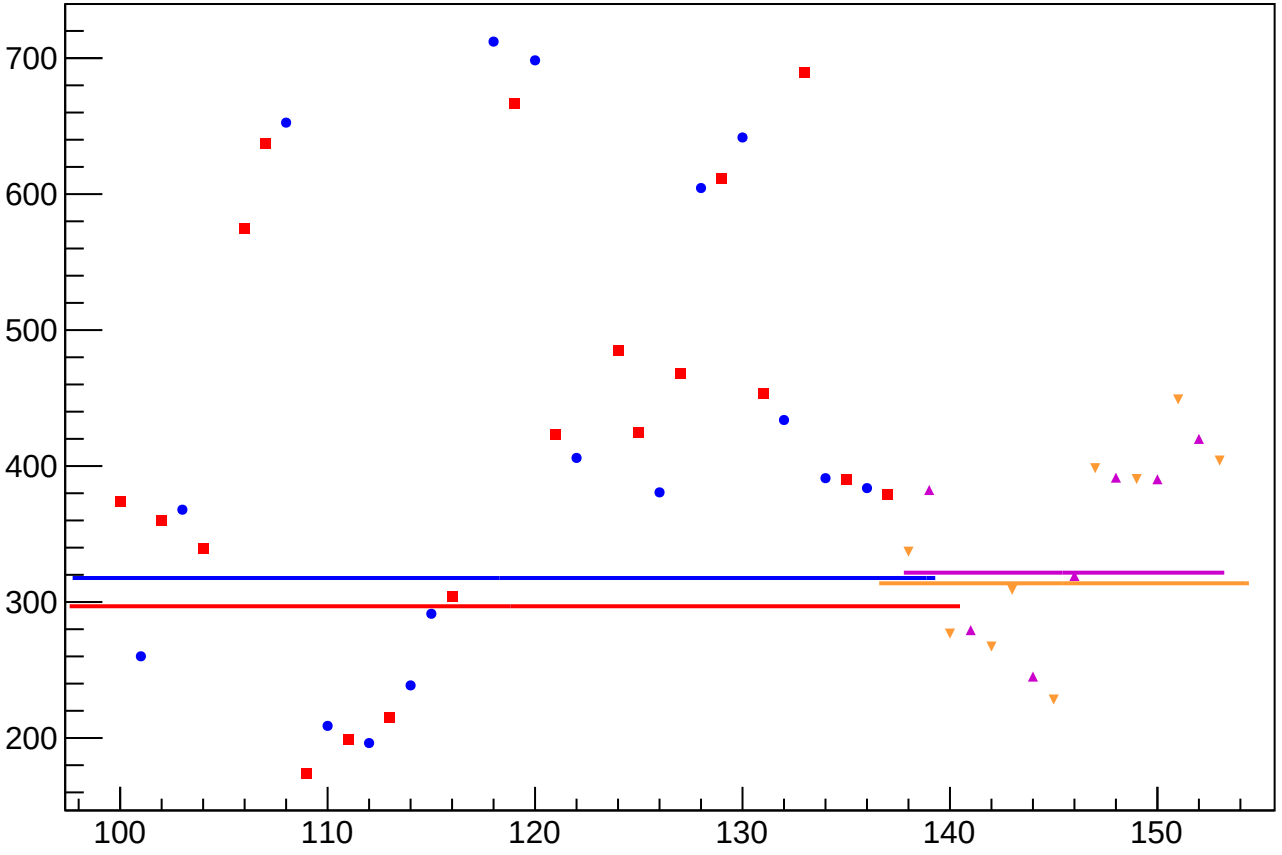
Left In: 13.580+/-132.940 χ^2/NDF:9.6/6

+ sign -280.978+/-88.410 χ^2/NDF: 43.3/24

All: -196.302+/-62.767 χ^2/NDF: 70.0/50

- sign -110.248+/-89.127 χ^2/NDF: 24.8/25

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 313.777+/-0.086 χ^2/NDF:659141.6/8

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

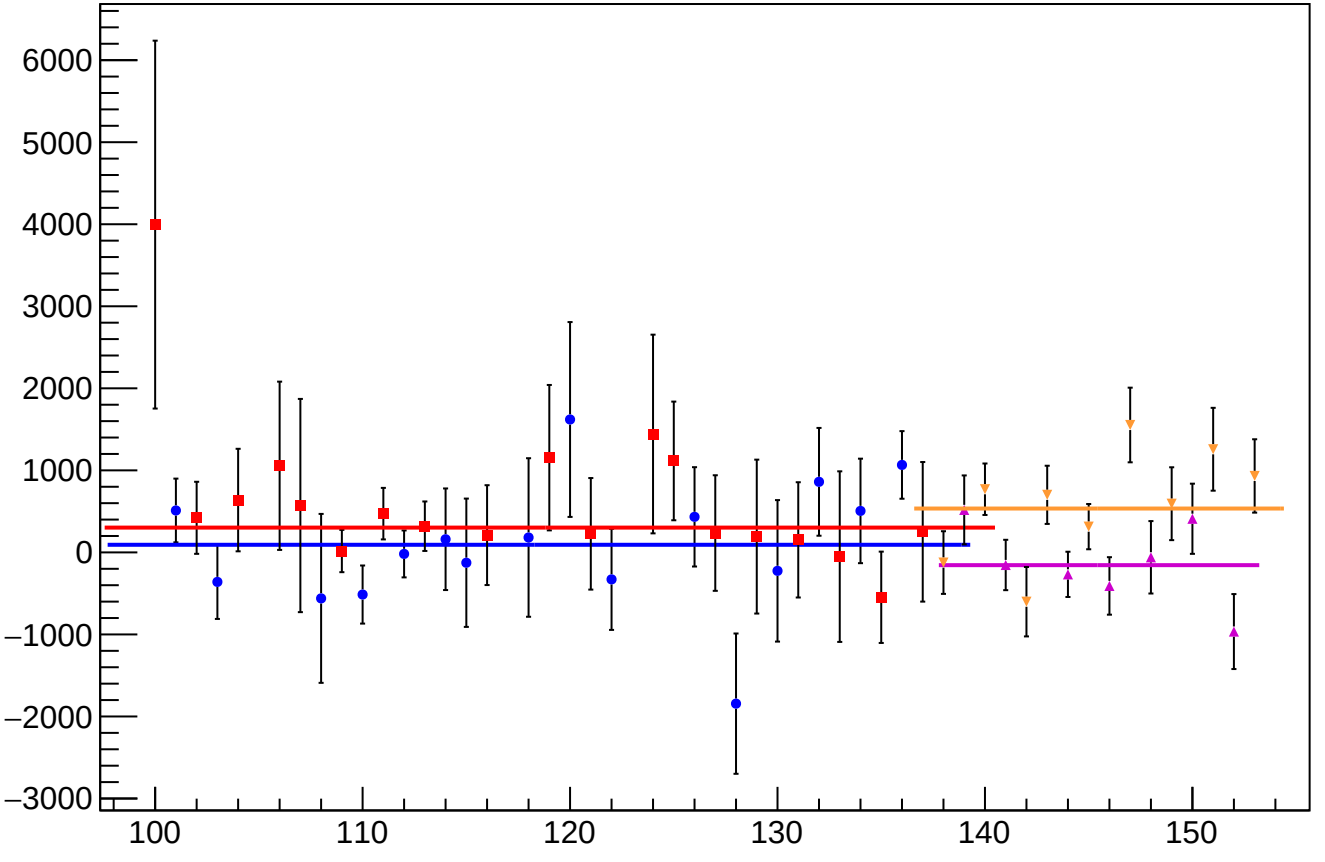
Left In: 321.591+/-0.094 χ^2/NDF:458428.1/6

+ sign 315.618+/-0.063 χ^2/NDF: 2796328.5/24

All: 311.835+/-0.044 χ^2/NDF: 5841212.1/50

- sign 307.990+/-0.063 χ^2/NDF: 3037501.0/25

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 534.621+/-126.463 χ^2/NDF:19.5/8

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

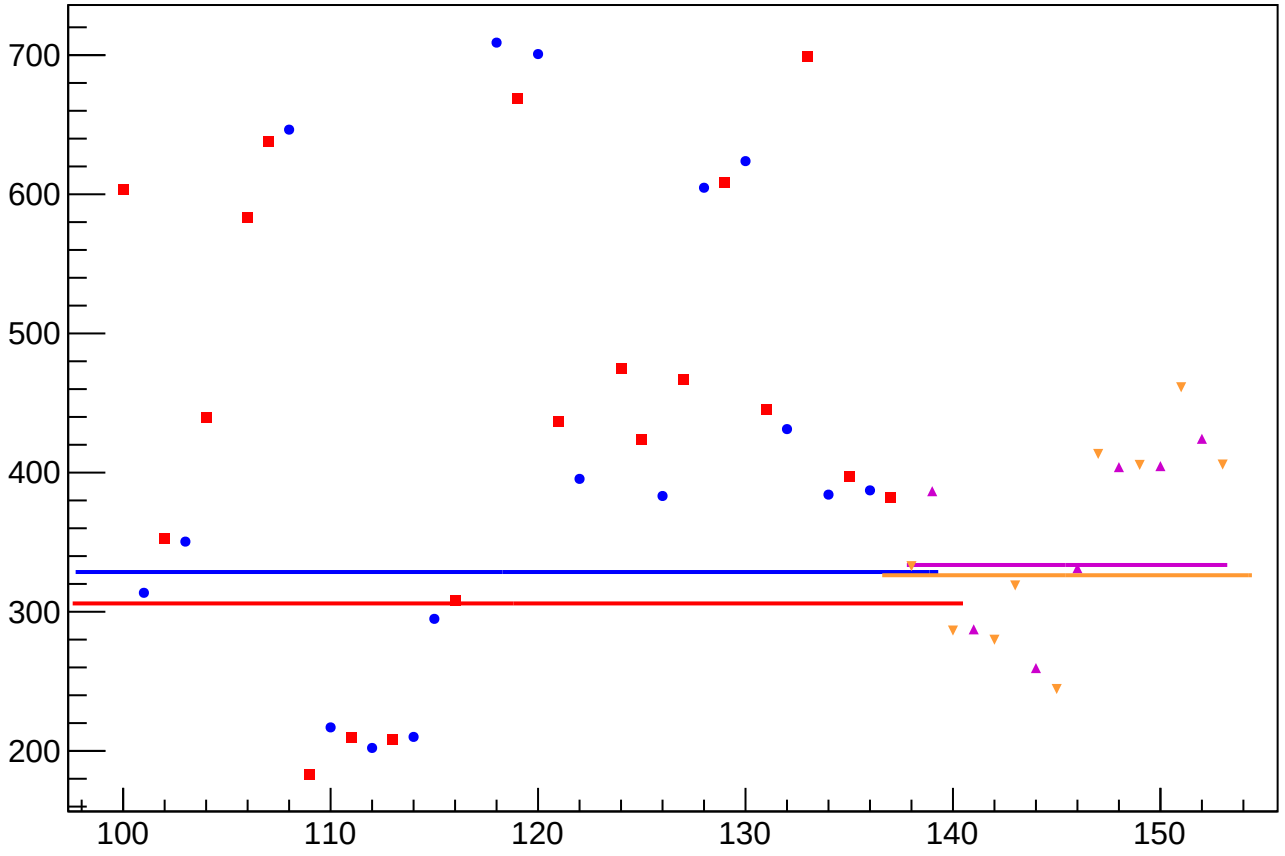
Left In: -155.523+/-137.425 χ^2/NDF:8.2/6

+ sign 323.052+/-91.293 χ^2/NDF: 46.1/24

All: 210.920+/-64.813 χ^2/NDF: 74.3/50

- sign 96.976+/-92.029 χ^2/NDF: 25.1/25

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 326.245+/-0.089 χ^2/NDF:576795.2/8

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

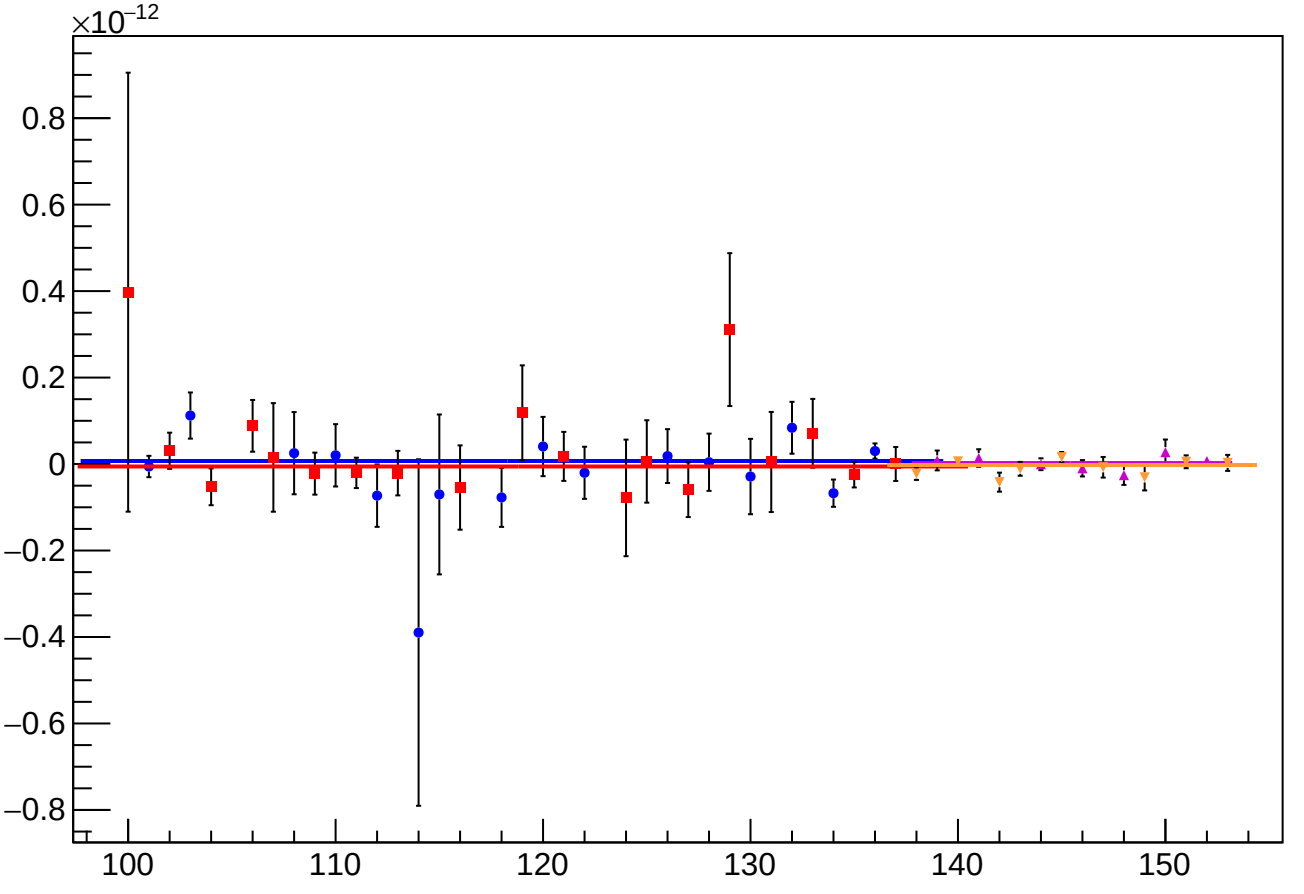
Left In: 333.622+/-0.097 χ^2/NDF:406324.4/6

+ sign 327.357+/-0.065 χ^2/NDF: 2535991.3/24

All: 322.905+/-0.046 χ^2/NDF: 5523971.1/50

- sign 318.380+/-0.065 χ^2/NDF: 2978389.5/25

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/8

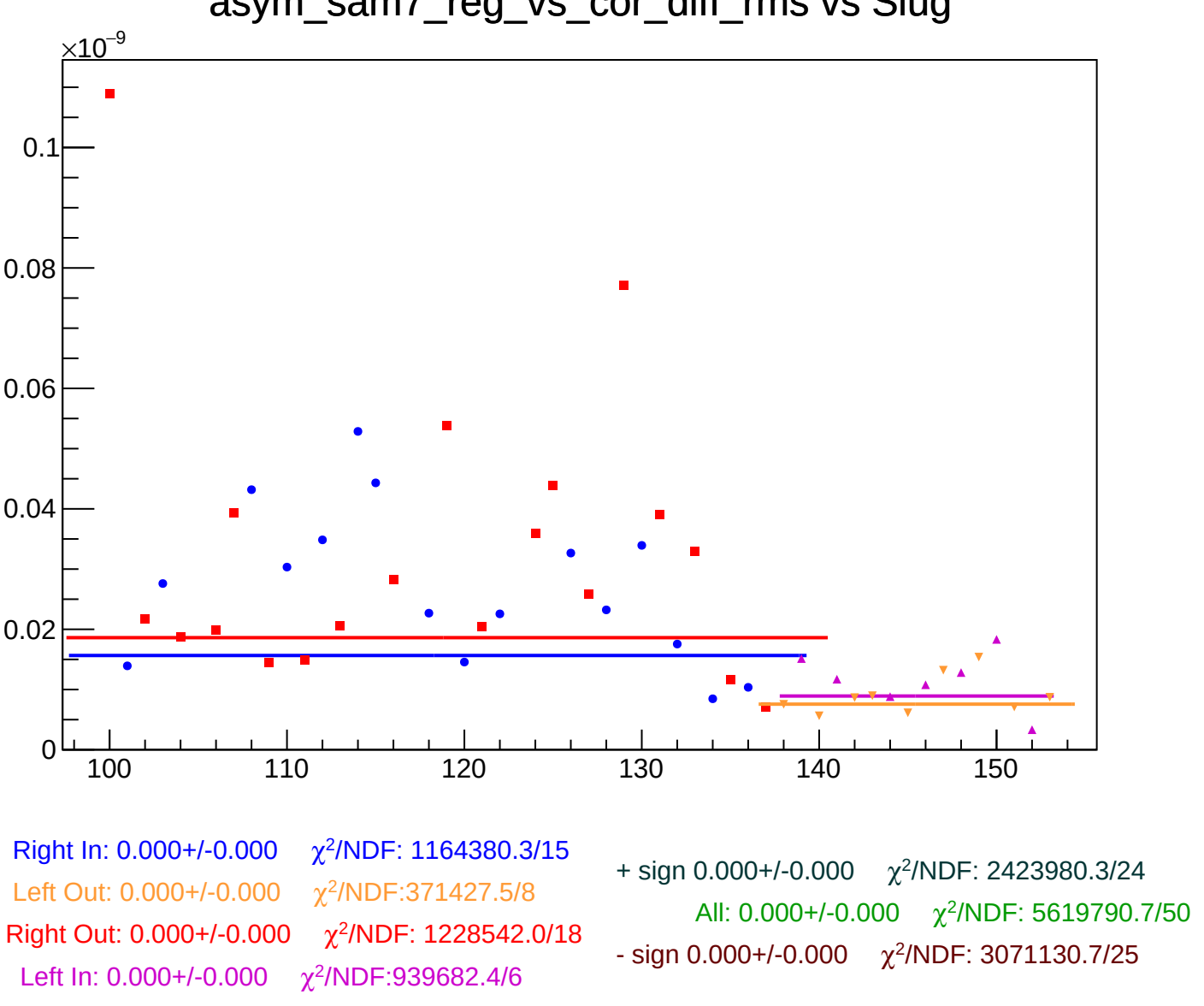
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

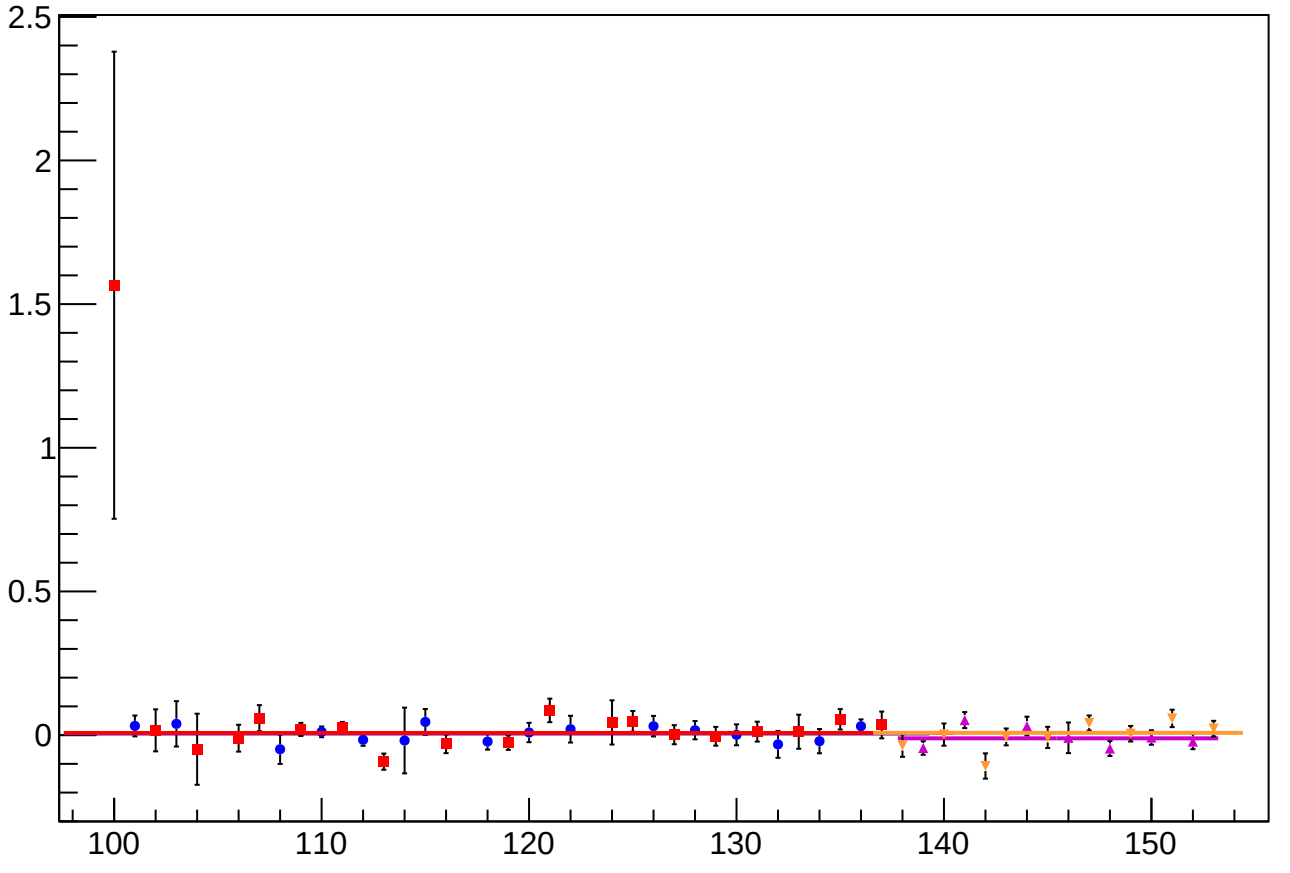
+ sign -0.000+/-0.000 χ^2/NDF: 27.9/24

All: -0.000+/-0.000 χ^2/NDF: 44.3/50

- sign 0.000+/-0.000 χ^2/NDF: 16.4/25


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1164380.3/15
Left Out: 0.000+/-0.000 χ²/NDF:371427.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 1228542.0/18
Left In: 0.000+/-0.000 χ²/NDF:939682.4/6
+ sign 0.000+/-0.000 χ²/NDF: 2423980.3/24
All: 0.000+/-0.000 χ²/NDF: 5619790.7/50
- sign 0.000+/-0.000 χ²/NDF: 3071130.7/25

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.008+/-0.011 χ^2/NDF:13.3/8

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

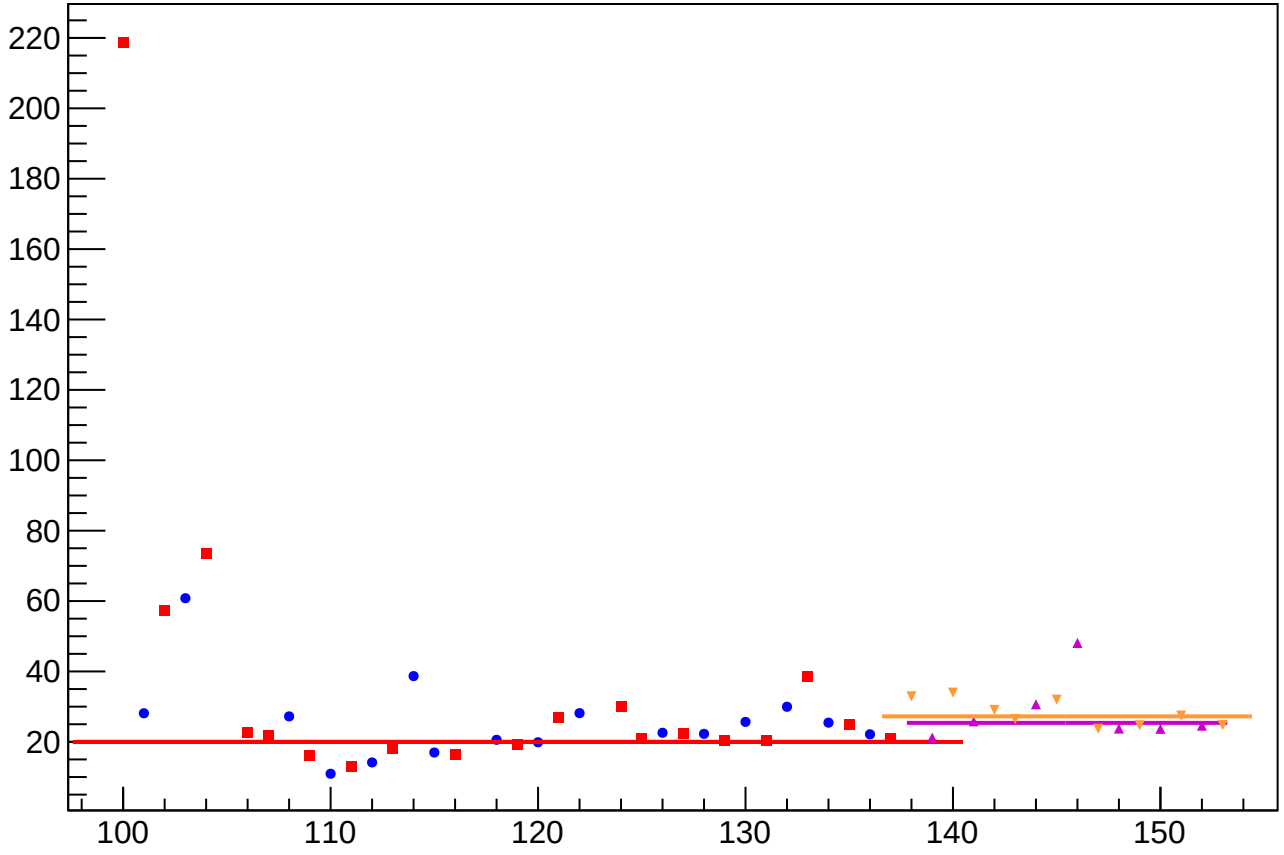
Left In: -0.011+/-0.011 χ^2/NDF:10.9/6

+ sign 0.007+/-0.006 χ^2/NDF: 21.2/24

All: 0.004+/-0.005 χ^2/NDF: 64.2/50

- sign 0.001+/-0.006 χ^2/NDF: 42.6/25

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.236+/-0.007 χ^2/NDF:210763.8/8

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

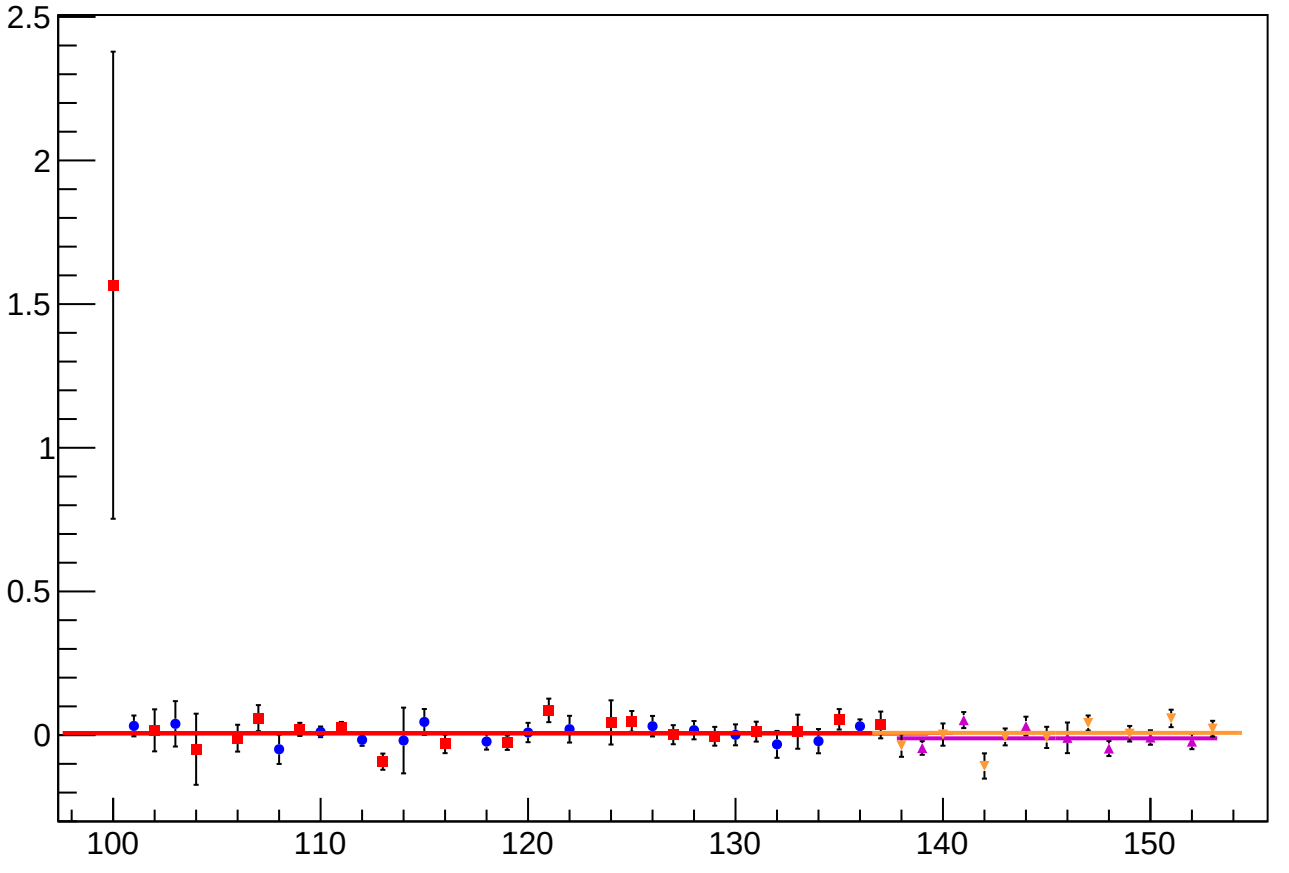
Left In: 25.389+/-0.008 χ^2/NDF:495195.5/6

+ sign 22.709+/-0.005 χ^2/NDF: 2439670.1/24

All: 22.326+/-0.003 χ^2/NDF: 4994036.8/50

- sign 21.945+/-0.005 χ^2/NDF: 2540369.7/25

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.008+/-0.011 χ^2/NDF:13.3/8

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

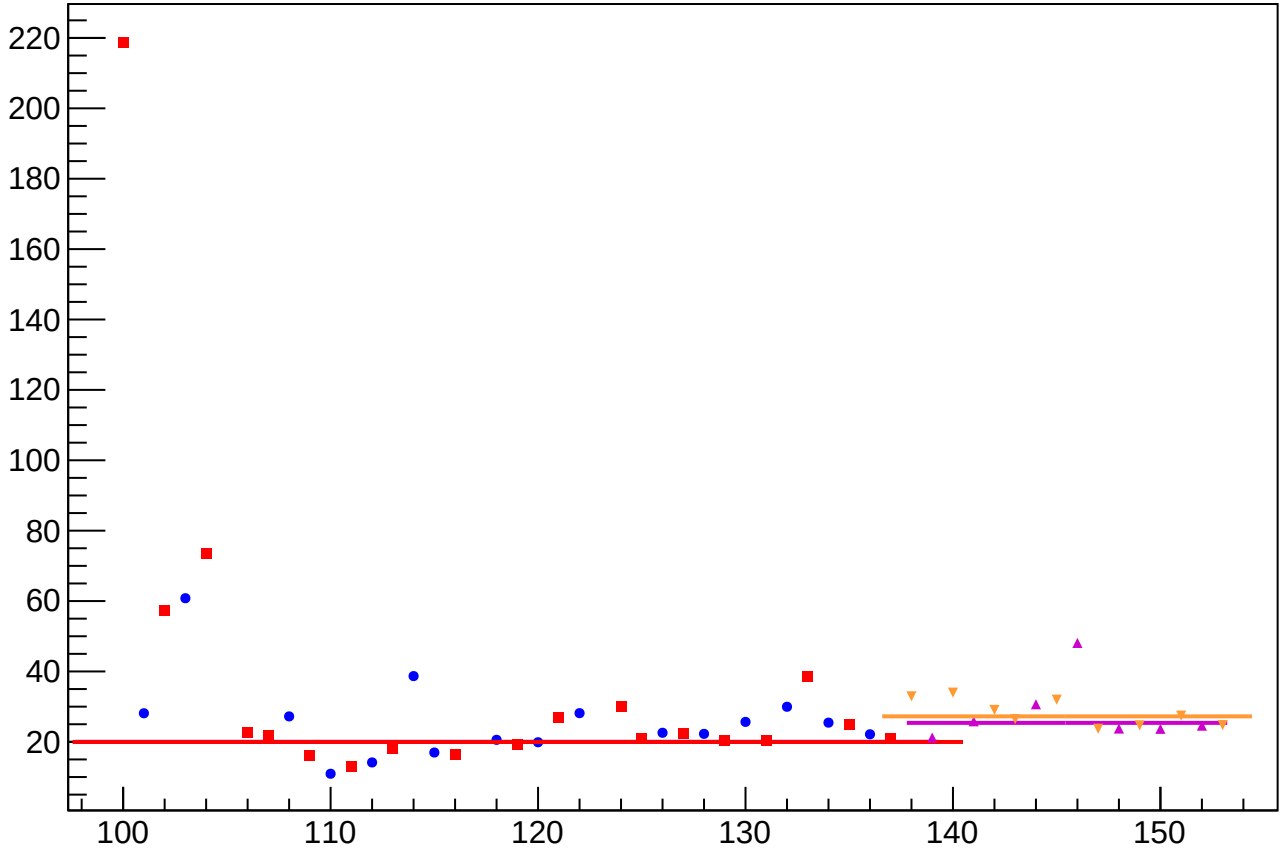
Left In: -0.011+/-0.011 χ^2/NDF:10.9/6

+ sign 0.007+/-0.006 χ^2/NDF: 21.2/24

All: 0.004+/-0.005 χ^2/NDF: 64.2/50

- sign 0.001+/-0.006 χ^2/NDF: 42.6/25

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.236+/-0.007 χ^2/NDF:210763.8/8

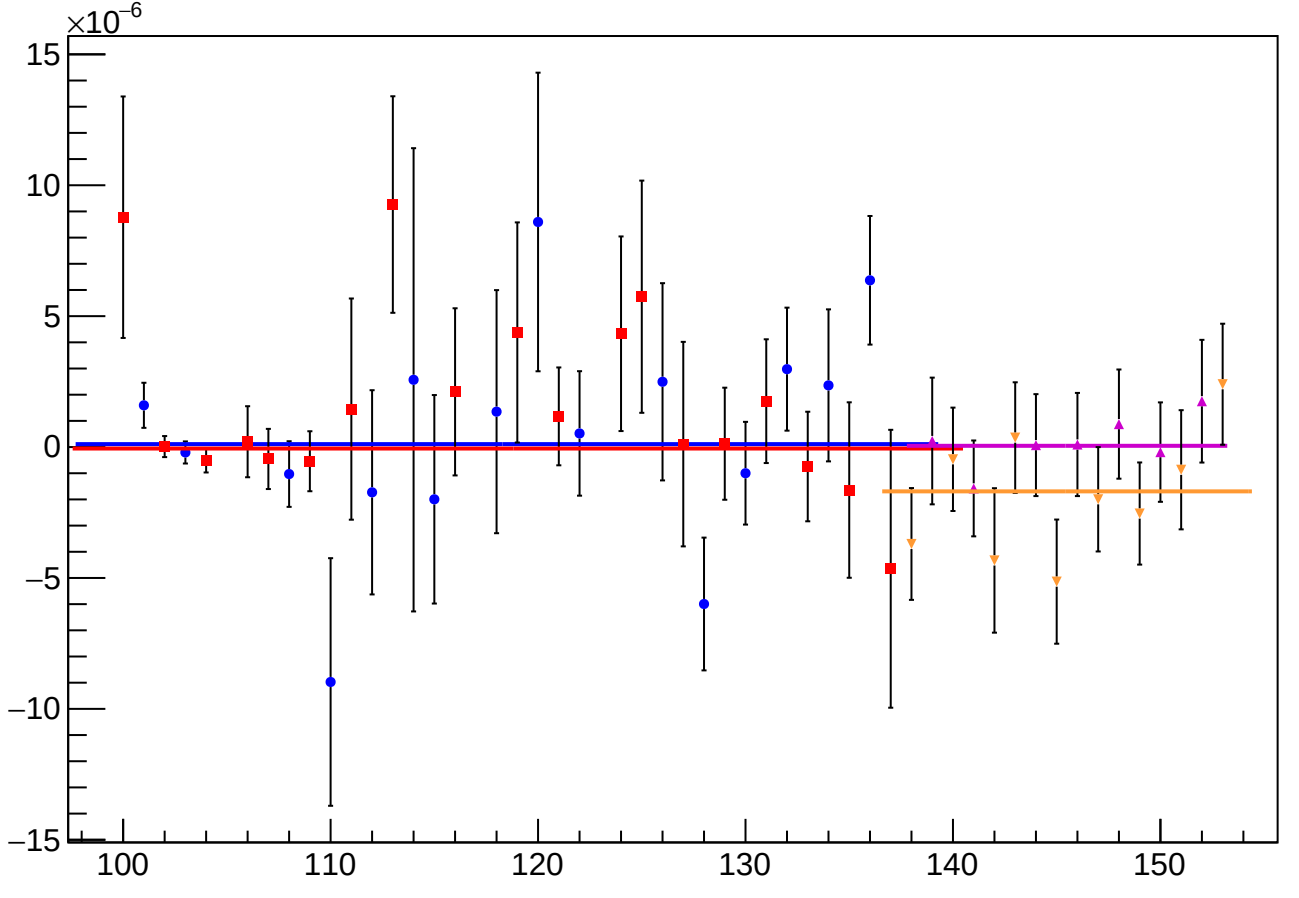
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.389+/-0.008 χ^2/NDF:495195.5/6

\+ sign 22.709+/-0.005 χ^2/NDF: 2439670.1/24

All: 22.326+/-0.003 χ^2/NDF: 4994036.8/50

\- sign 21.945+/-0.005 χ^2/NDF: 2540369.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

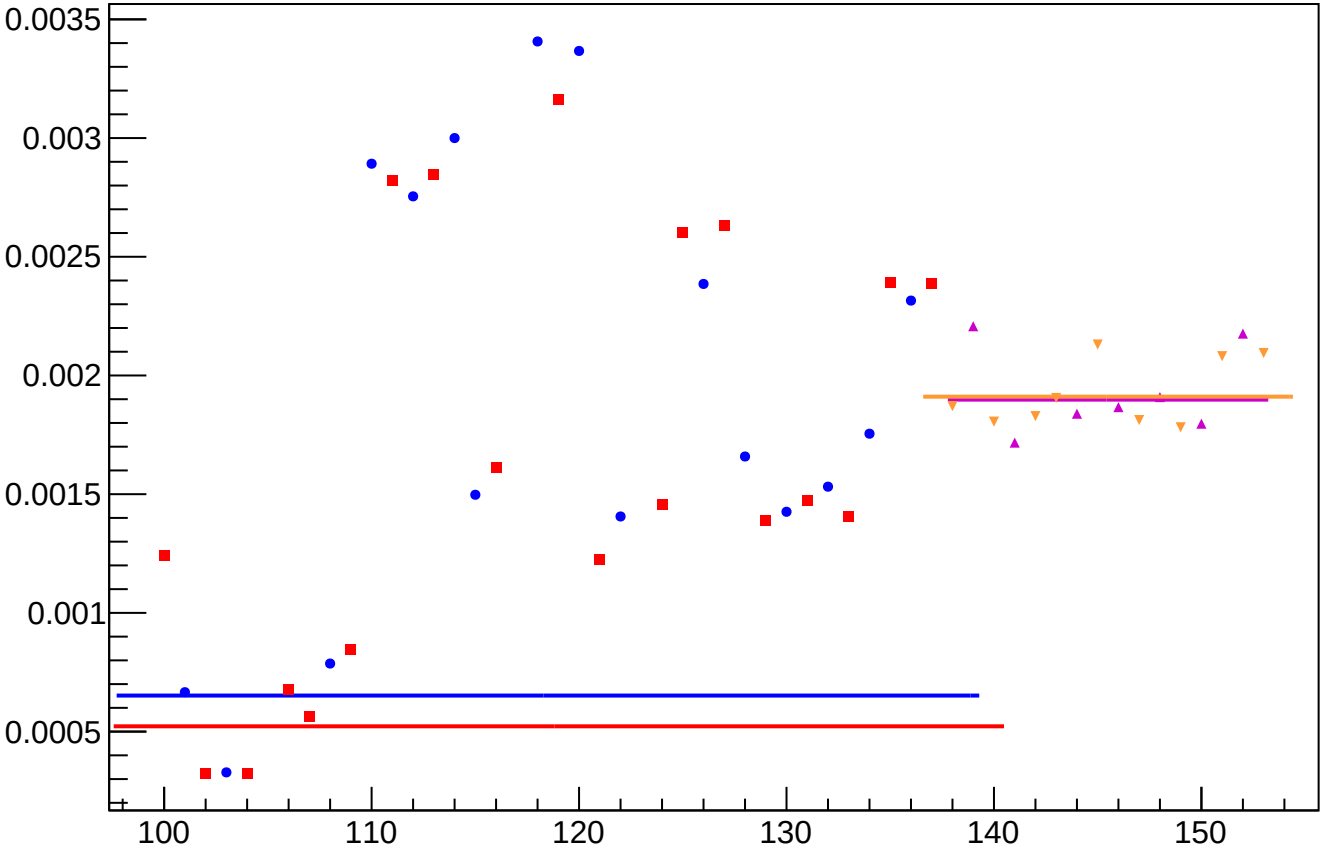
Left In: 0.000+/-0.000 χ^2/NDF:1.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 39.9/24

All: -0.000+/-0.000 χ^2/NDF: 58.7/50

- sign -0.000+/-0.000 χ^2/NDF: 18.6/25

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:62850.9/8

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

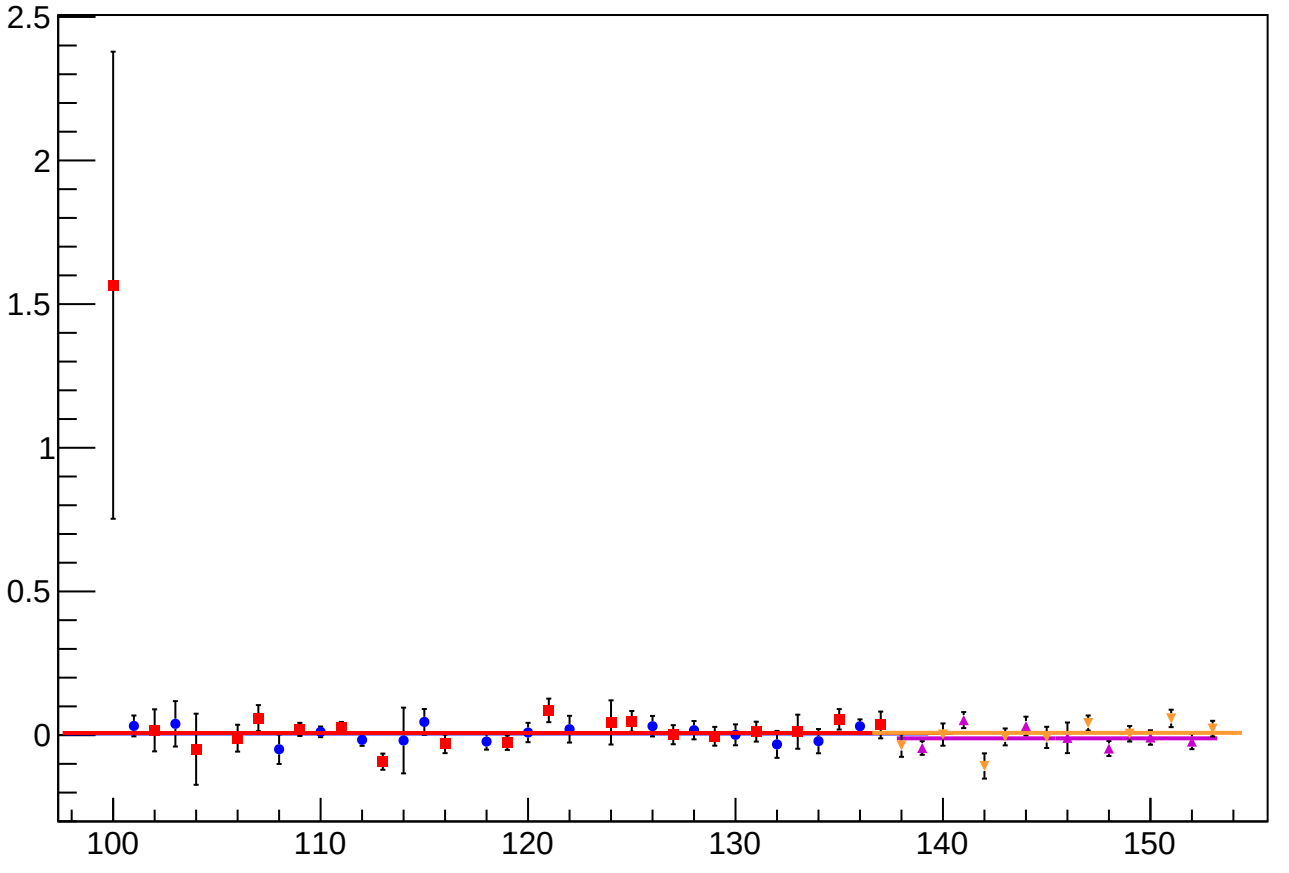
Left In: 0.002+/-0.000 χ^2/NDF:88451.3/6

+ sign 0.001+/-0.000 χ^2/NDF: 11400761.2/24

All: 0.001+/-0.000 χ^2/NDF: 24449817.3/50

- sign 0.001+/-0.000 χ^2/NDF: 12477411.1/25

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.008+/-0.011 χ^2/NDF:13.3/8

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

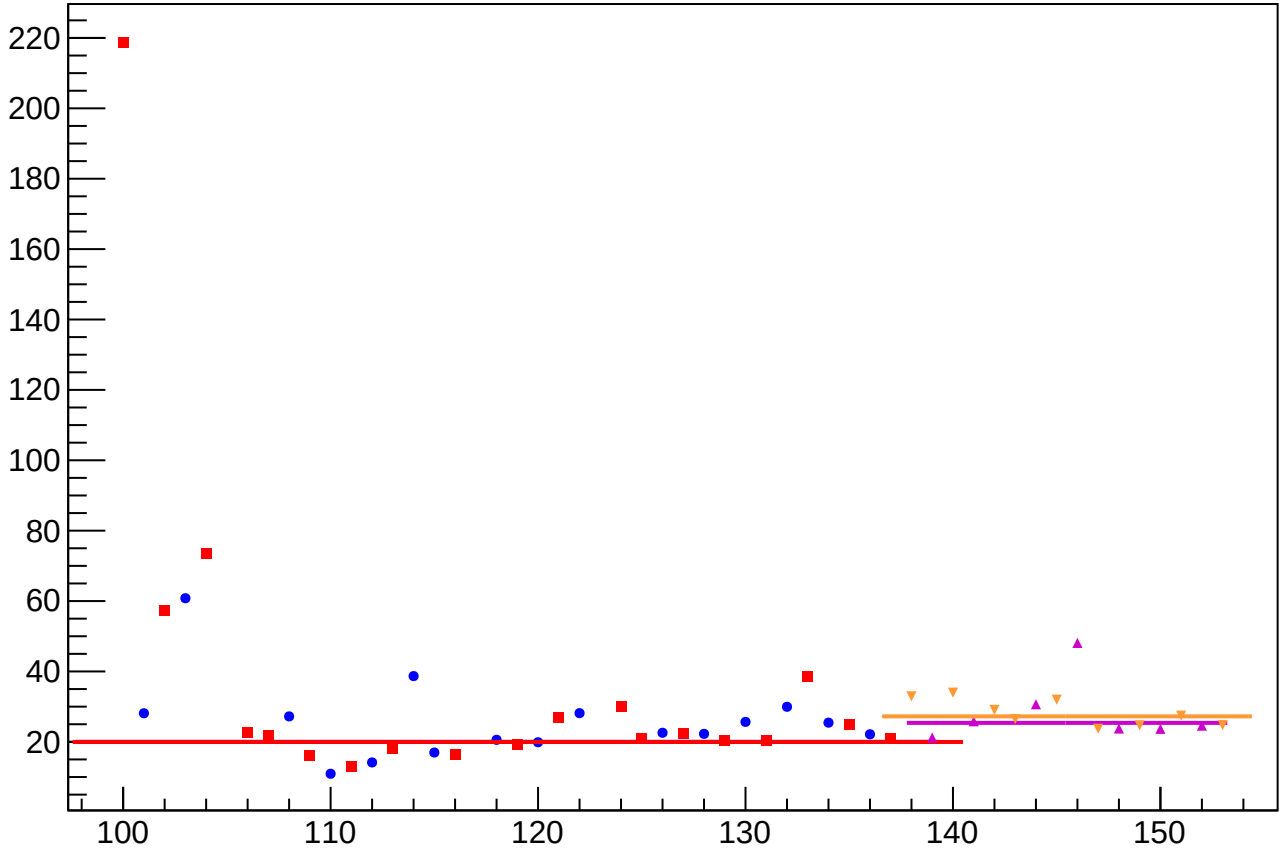
Left In: -0.011+/-0.011 χ^2/NDF:10.9/6

+ sign 0.007+/-0.006 χ^2/NDF: 21.2/24

All: 0.004+/-0.005 χ^2/NDF: 64.2/50

- sign 0.001+/-0.006 χ^2/NDF: 42.6/25

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 27.236+/-0.007 χ^2/NDF:210782.0/8

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

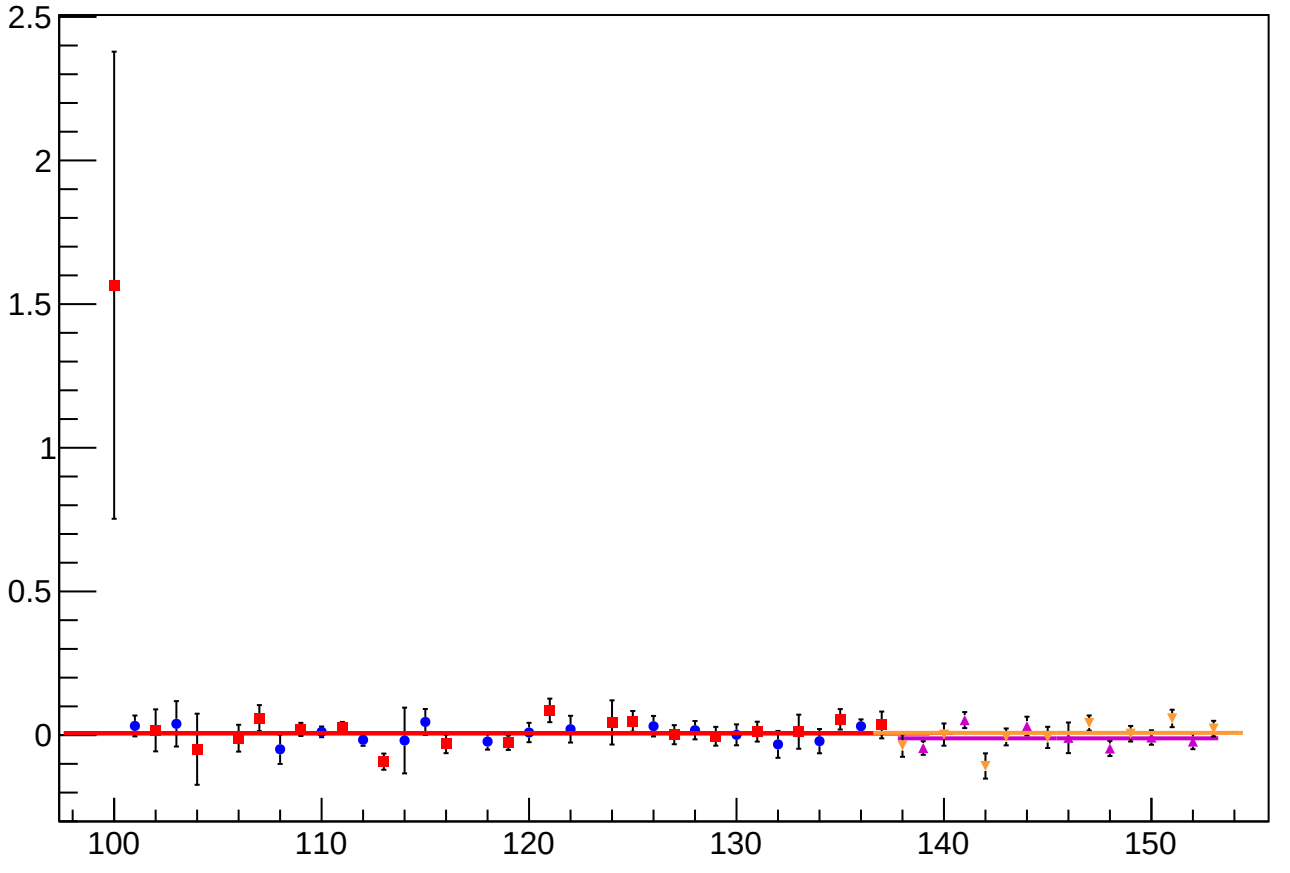
Left In: 25.389+/-0.008 χ^2/NDF:495205.7/6

\+ sign 22.709+/-0.005 χ^2/NDF: 2439432.8/24

All: 22.326+/-0.003 χ^2/NDF: 4993734.1/50

\- sign 21.945+/-0.005 χ^2/NDF: 2540294.6/25

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.008+/-0.011 χ^2/NDF:13.3/8

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

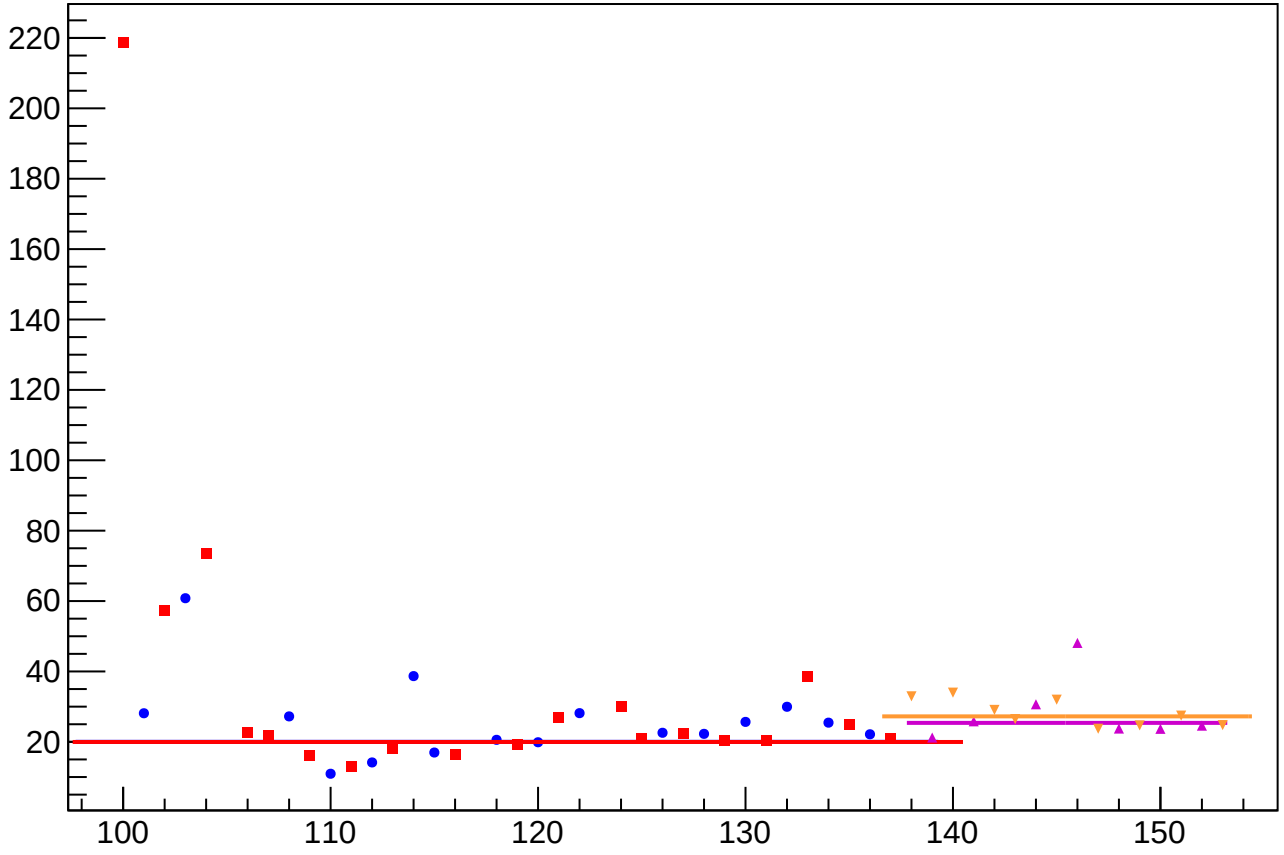
Left In: -0.011+/-0.011 χ^2/NDF:10.9/6

+ sign 0.007+/-0.006 χ^2/NDF: 21.2/24

All: 0.004+/-0.005 χ^2/NDF: 64.2/50

- sign 0.001+/-0.006 χ^2/NDF: 42.6/25

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 27.236+/-0.007 χ^2/NDF:210782.0/8

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

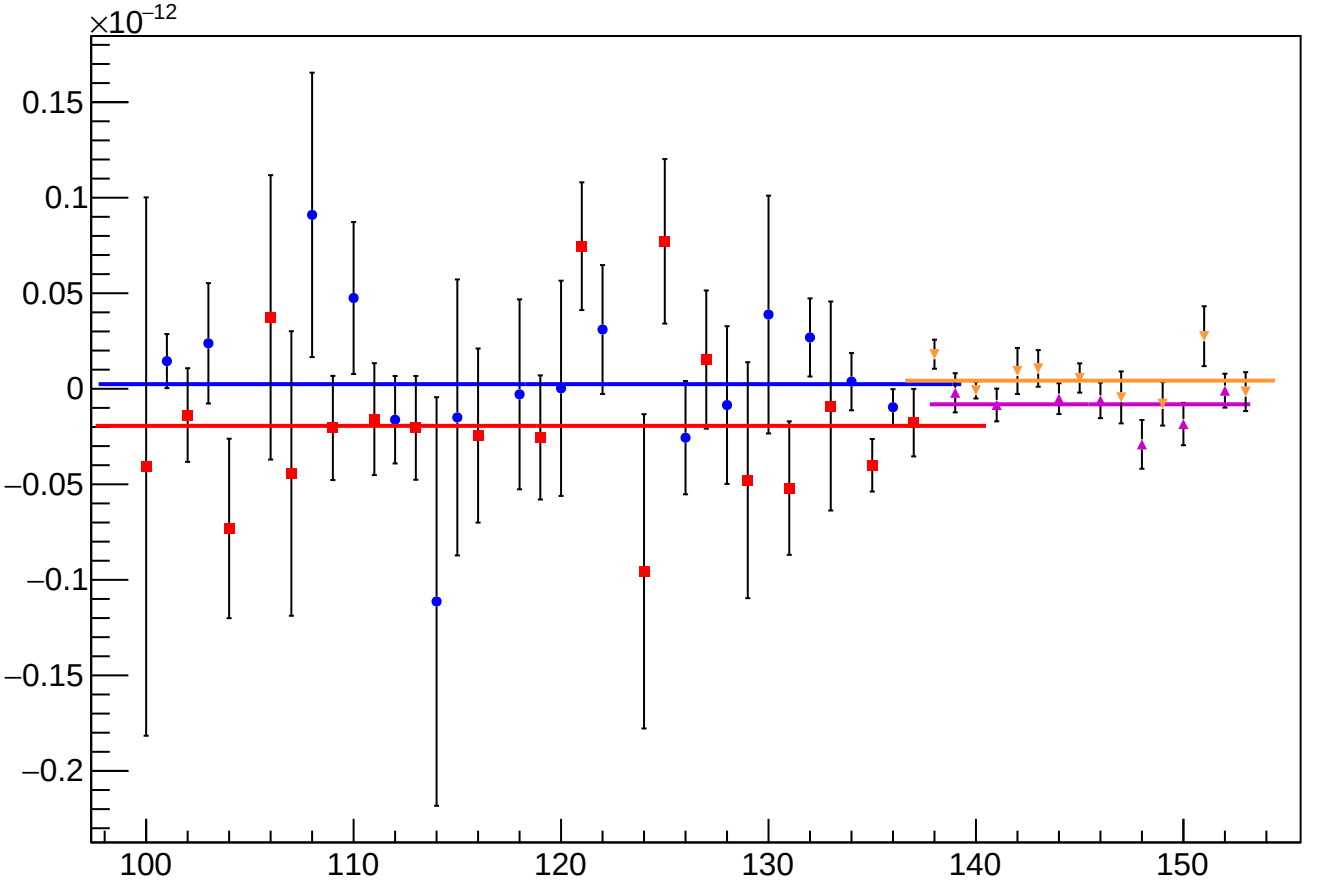
Left In: 25.389+/-0.008 χ^2/NDF:495205.7/6

+ sign 22.709+/-0.005 χ^2/NDF: 2439432.8/24

All: 22.326+/-0.003 χ^2/NDF: 4993734.1/50

- sign 21.945+/-0.005 χ^2/NDF: 2540294.6/25

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/8

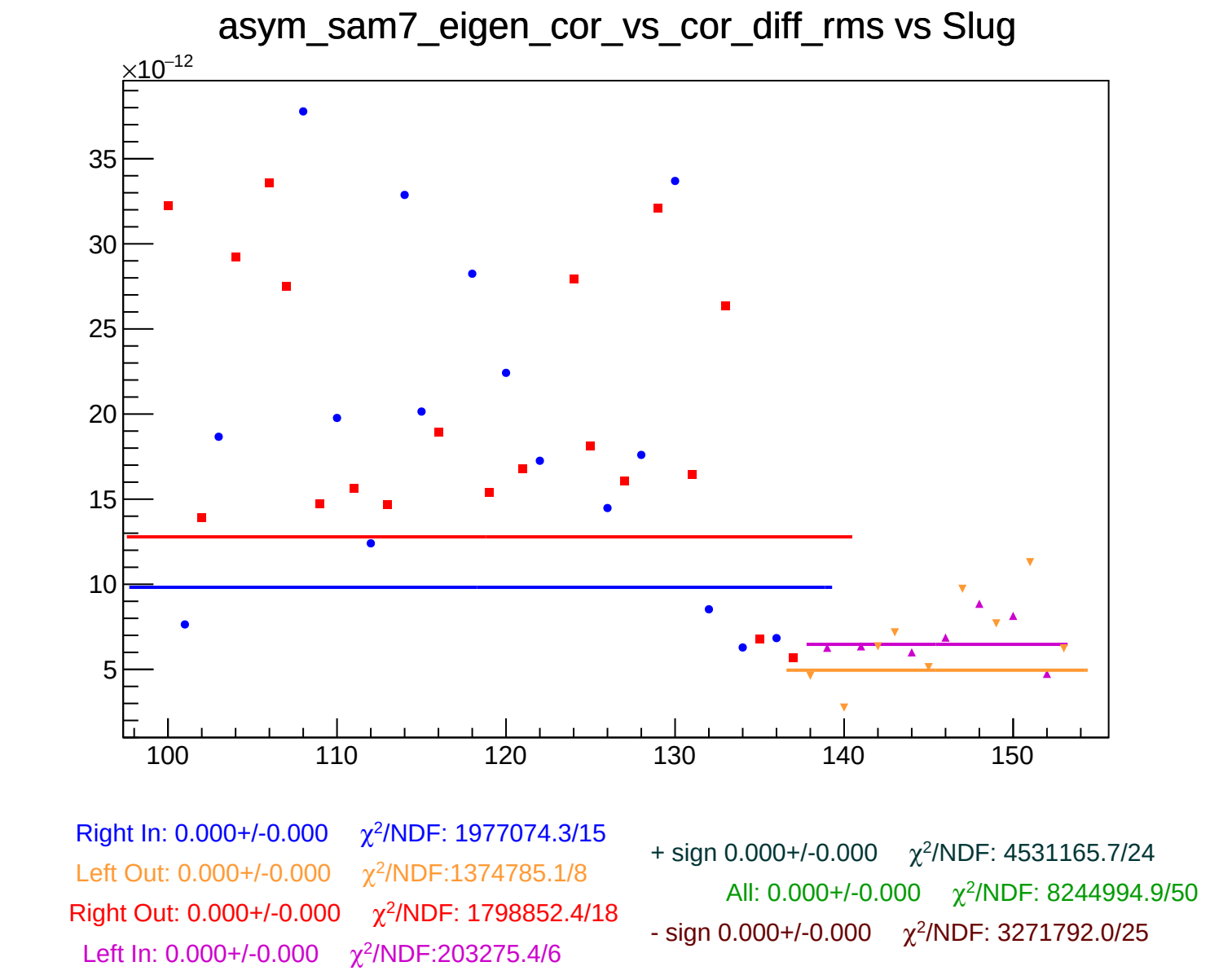
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/6

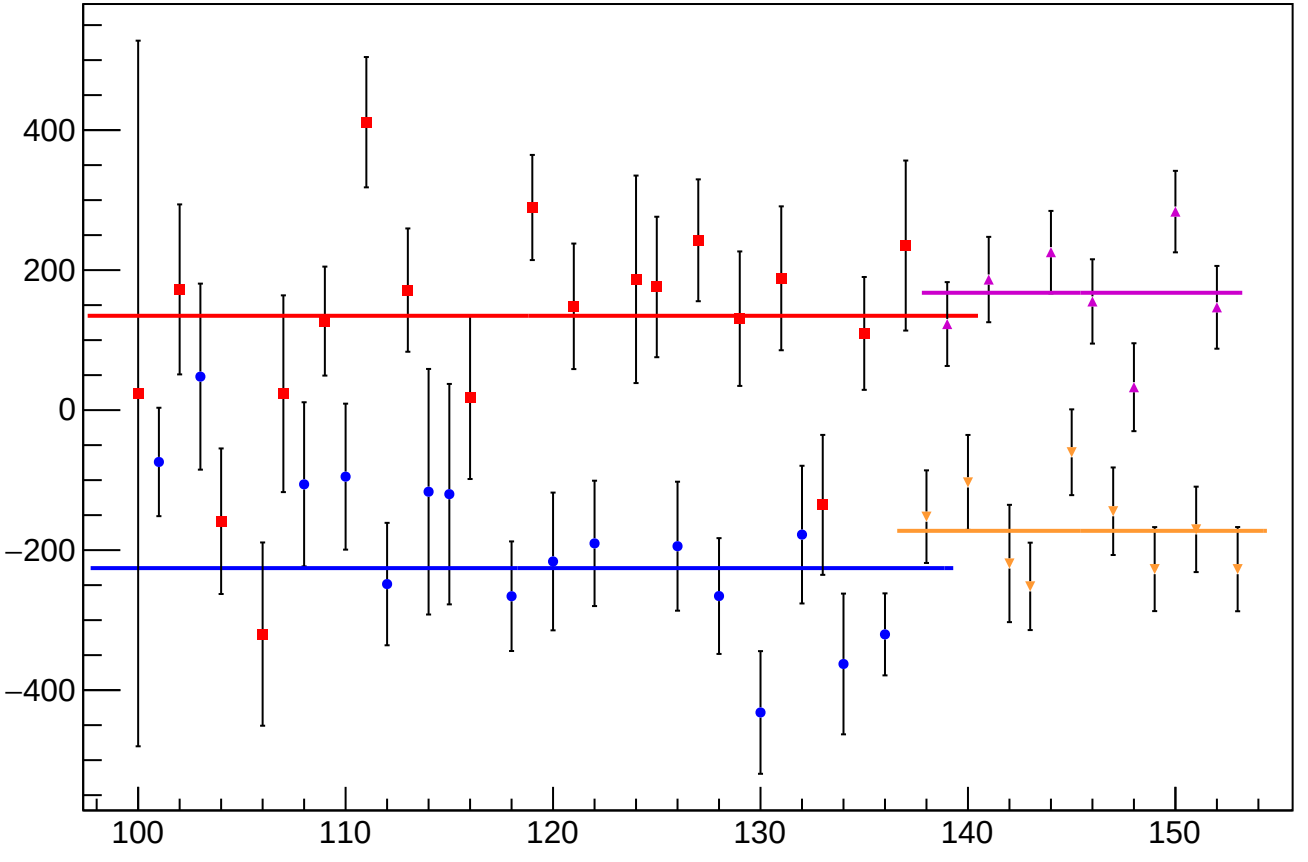
+ sign 0.000+/-0.000 χ^2/NDF: 20.3/24

All: -0.000+/-0.000 χ^2/NDF: 59.9/50

- sign -0.000+/-0.000 χ^2/NDF: 27.0/25


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻¹²
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1374785.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:203275.4/6
+ sign 0.000+/-0.000 χ²/NDF: 4531165.7/24
All: 0.000+/-0.000 χ²/NDF: 8244994.9/50
- sign 0.000+/-0.000 χ²/NDF: 3271792.0/25

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -172.438+/-21.369 χ^2/NDF:8.3/8

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

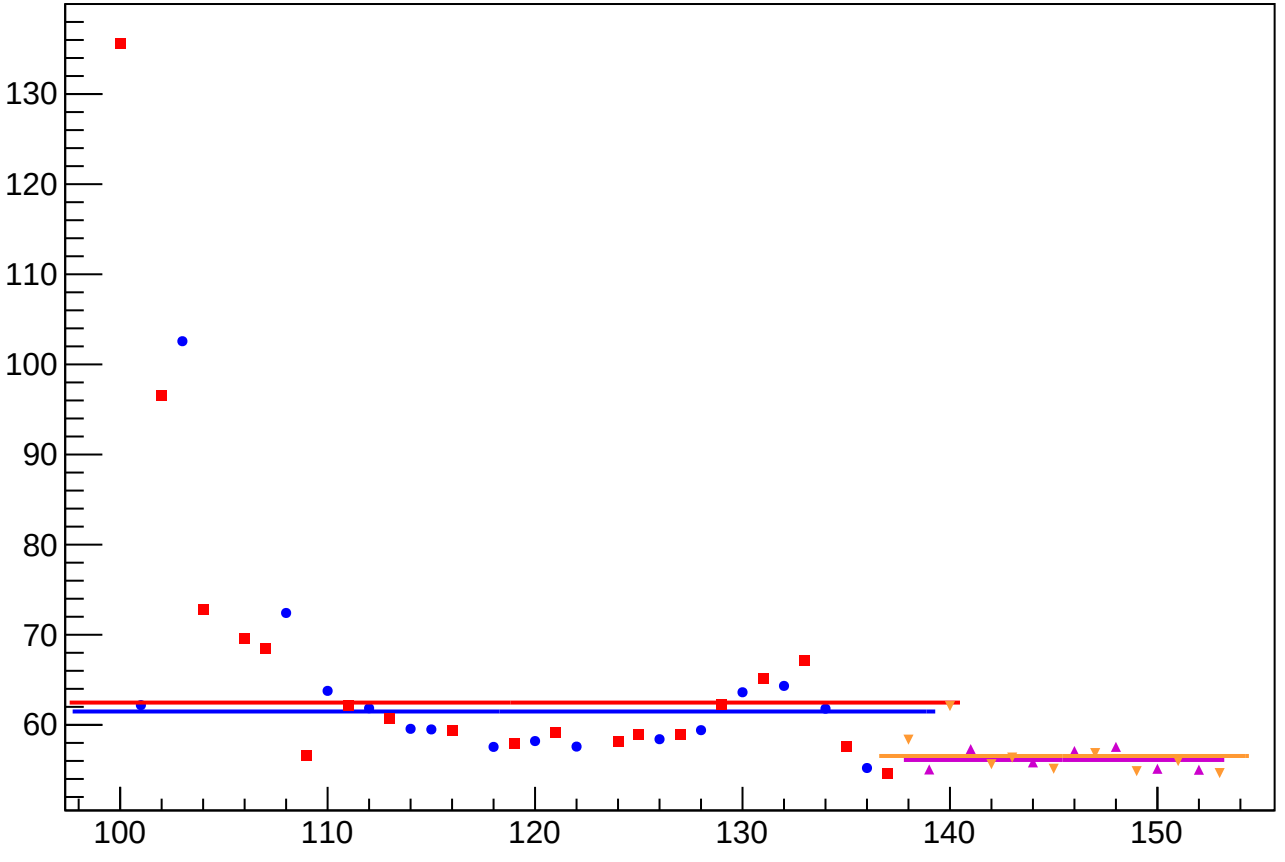
Left In: 167.633+/-22.668 χ^2/NDF:10.4/6

+ sign -196.974+/-15.692 χ^2/NDF: 33.7/24

All: -28.361+/-11.275 χ^2/NDF: 329.1/50

- sign 151.573+/-16.211 χ^2/NDF: 56.7/25

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.550+/-0.015 χ^2/NDF:19943.3/8

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

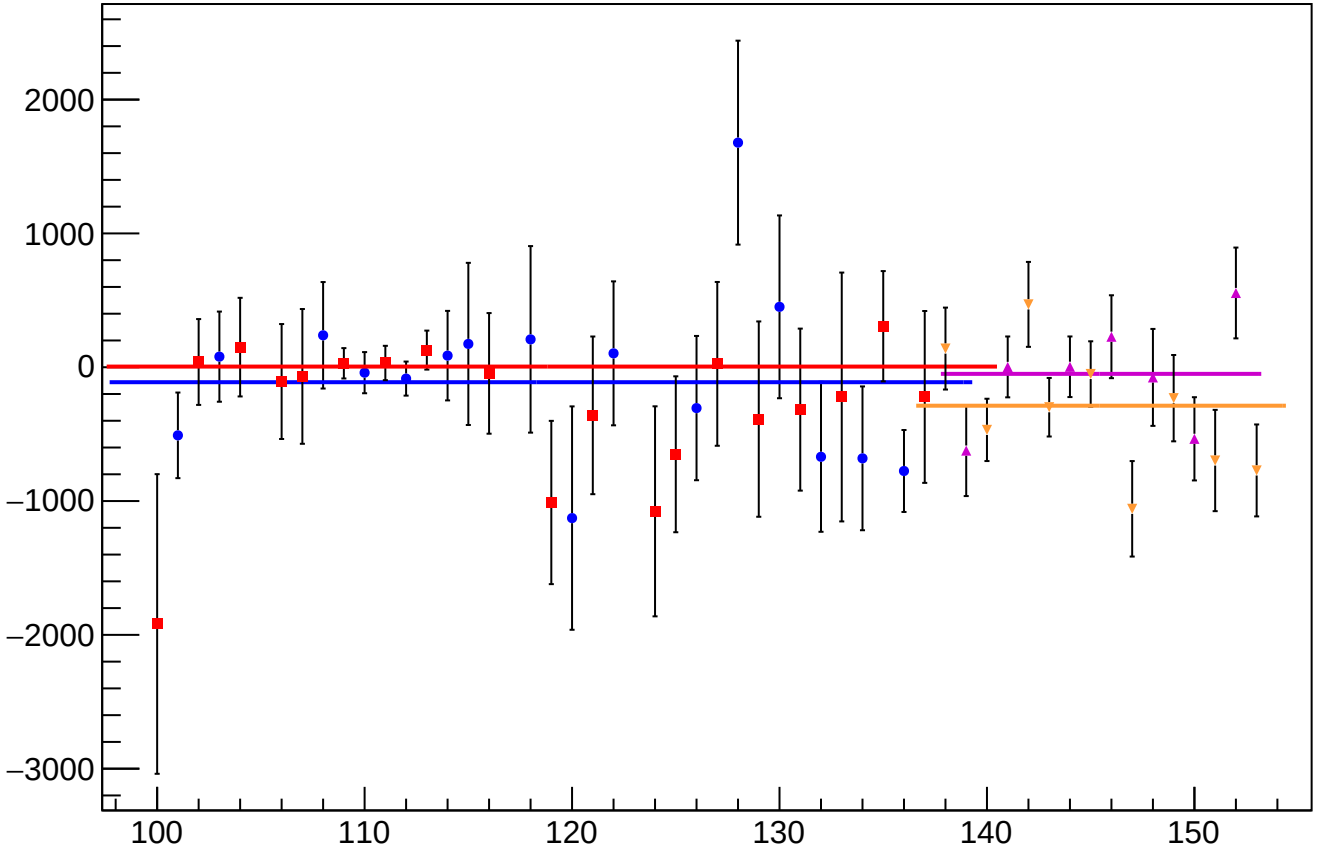
Left In: 56.108+/-0.016 χ^2/NDF:4297.2/6

+ sign 58.824+/-0.011 χ^2/NDF: 319782.9/24

All: 59.015+/-0.008 χ^2/NDF: 682961.3/50

- sign 59.219+/-0.011 χ^2/NDF: 362565.5/25

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -287.483+/-95.515 χ^2/NDF:17.0/8

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

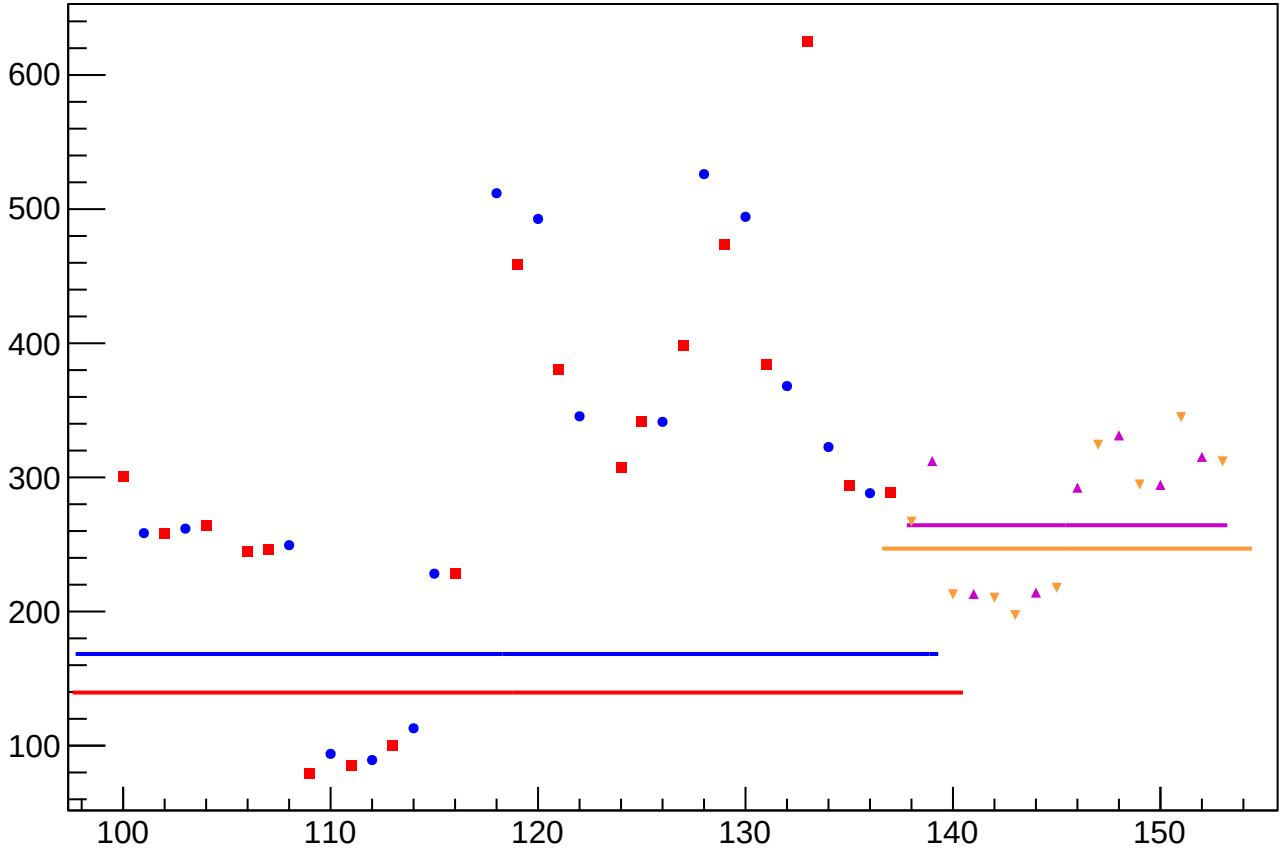
Left In: -49.568+/-108.741 χ^2/NDF:9.4/6

+ sign -180.192+/-59.573 χ^2/NDF: 37.6/24

All: -88.001+/-40.456 χ^2/NDF: 63.2/50

- sign -9.097+/-55.113 χ^2/NDF: 21.2/25

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 246.896+/-0.068 χ^2/NDF:553298.5/8

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

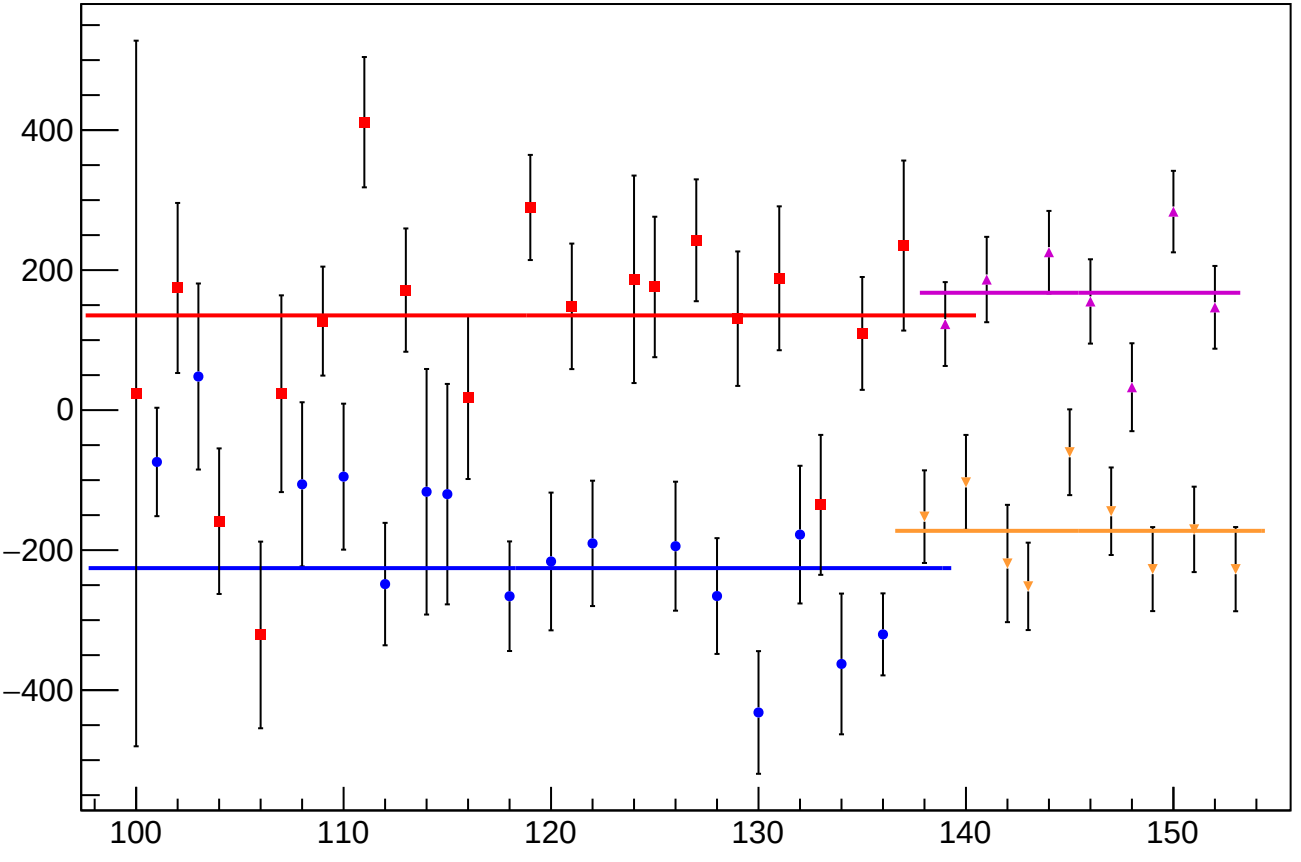
Left In: 264.337+/-0.077 χ^2/NDF:388140.9/6

+ sign 198.892+/-0.042 χ^2/NDF: 5924142.1/24

All: 184.206+/-0.029 χ^2/NDF: 13647876.3/50

- sign 171.637+/-0.039 χ^2/NDF: 7498166.2/25

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -172.436+/-21.369 χ^2/NDF:8.3/8

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

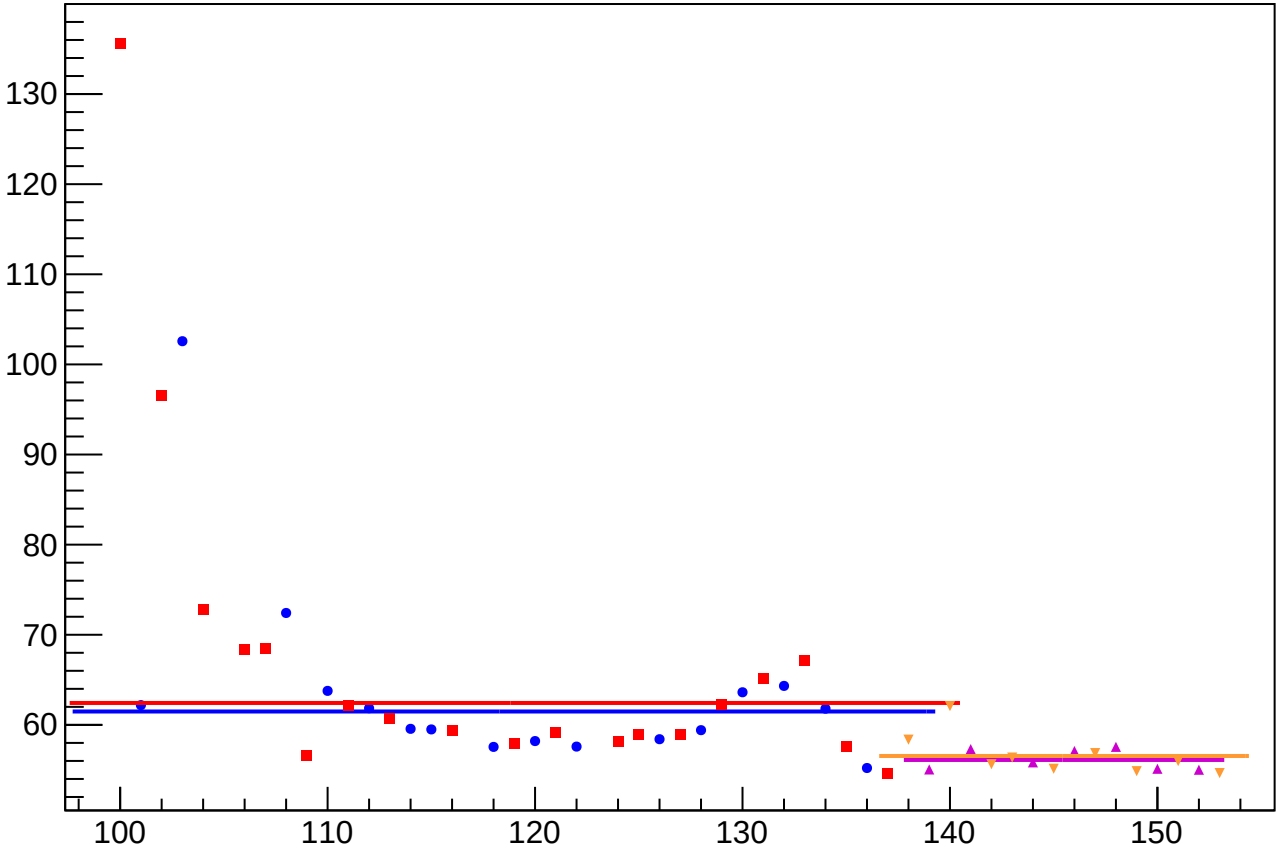
Left In: 167.628+/-22.668 χ^2/NDF:10.4/6

+ sign -196.973+/-15.692 χ^2/NDF: 33.8/24

All: -28.277+/-11.276 χ^2/NDF: 329.0/50

- sign 151.848+/-16.215 χ^2/NDF: 56.3/25

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.550+/-0.015 χ^2/NDF:19943.3/8

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

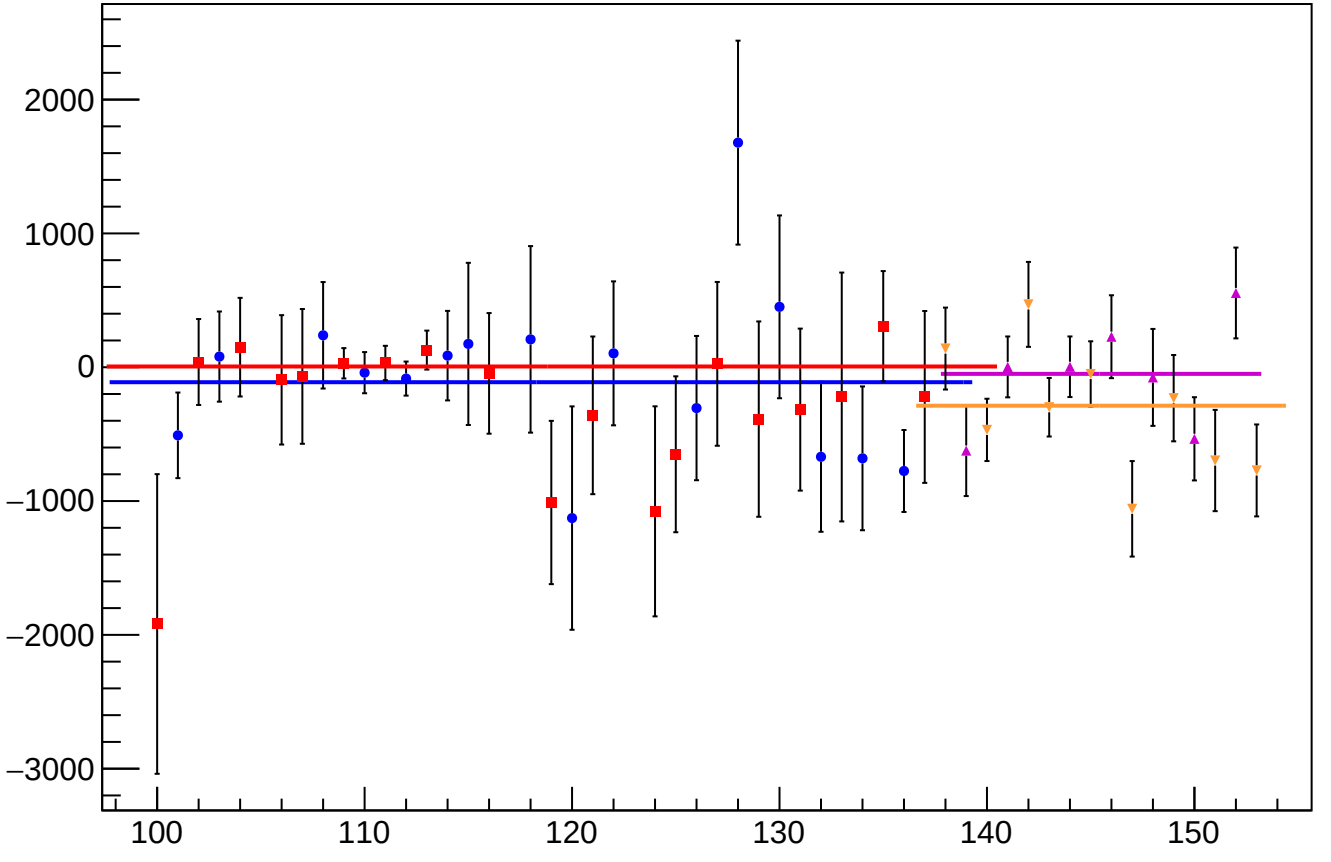
Left In: 56.108+/-0.016 χ^2/NDF:4297.2/6

+ sign 58.824+/-0.011 χ^2/NDF: 319785.5/24

All: 59.004+/-0.008 χ^2/NDF: 680070.5/50

- sign 59.196+/-0.011 χ^2/NDF: 359741.1/25

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -287.479+/-95.515 χ^2/NDF:17.0/8

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

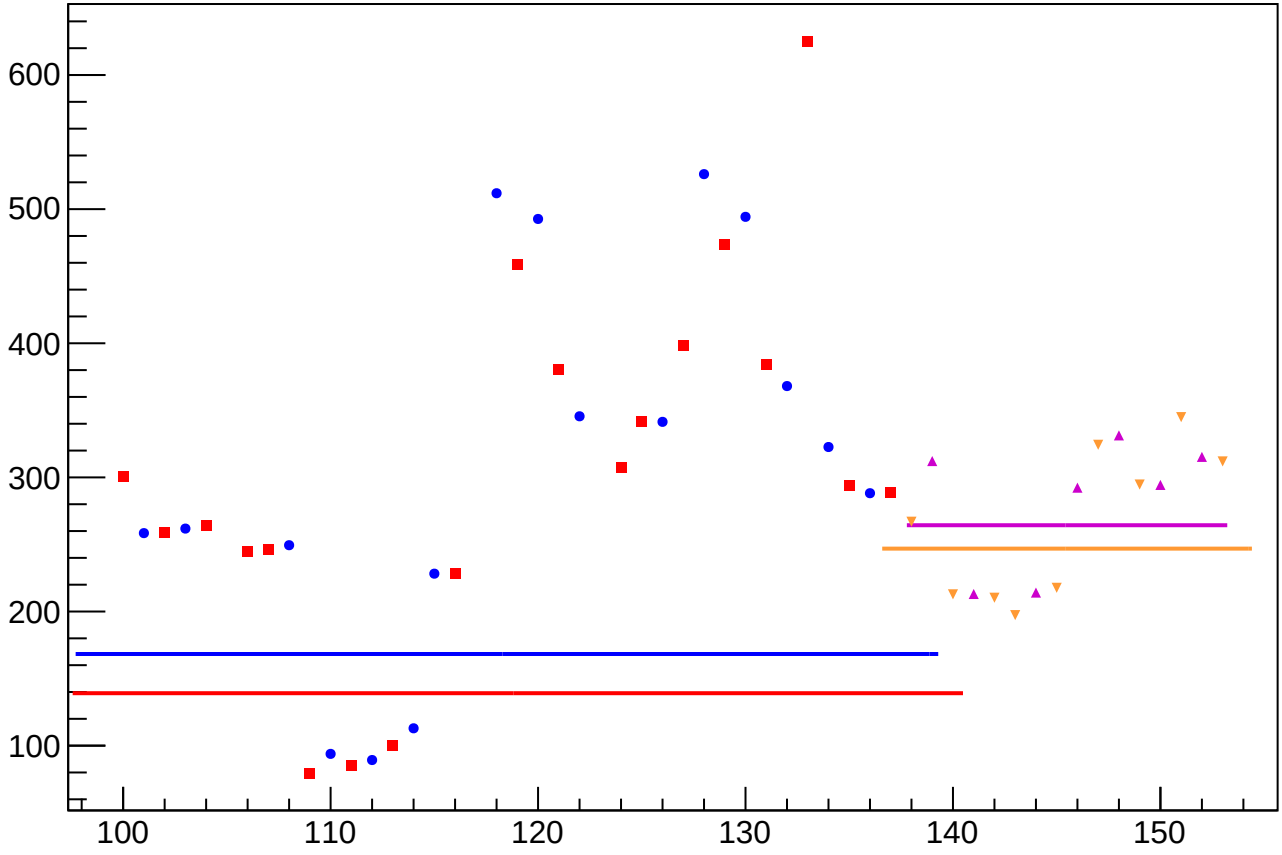
Left In: -49.568+/-108.742 χ^2/NDF:9.4/6

+ sign -180.180+/-59.573 χ^2/NDF: 37.6/24

All: -87.883+/-40.494 χ^2/NDF: 63.2/50

- sign -8.609+/-55.210 χ^2/NDF: 21.2/25

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 246.896+/-0.068 χ^2/NDF:553302.5/8

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

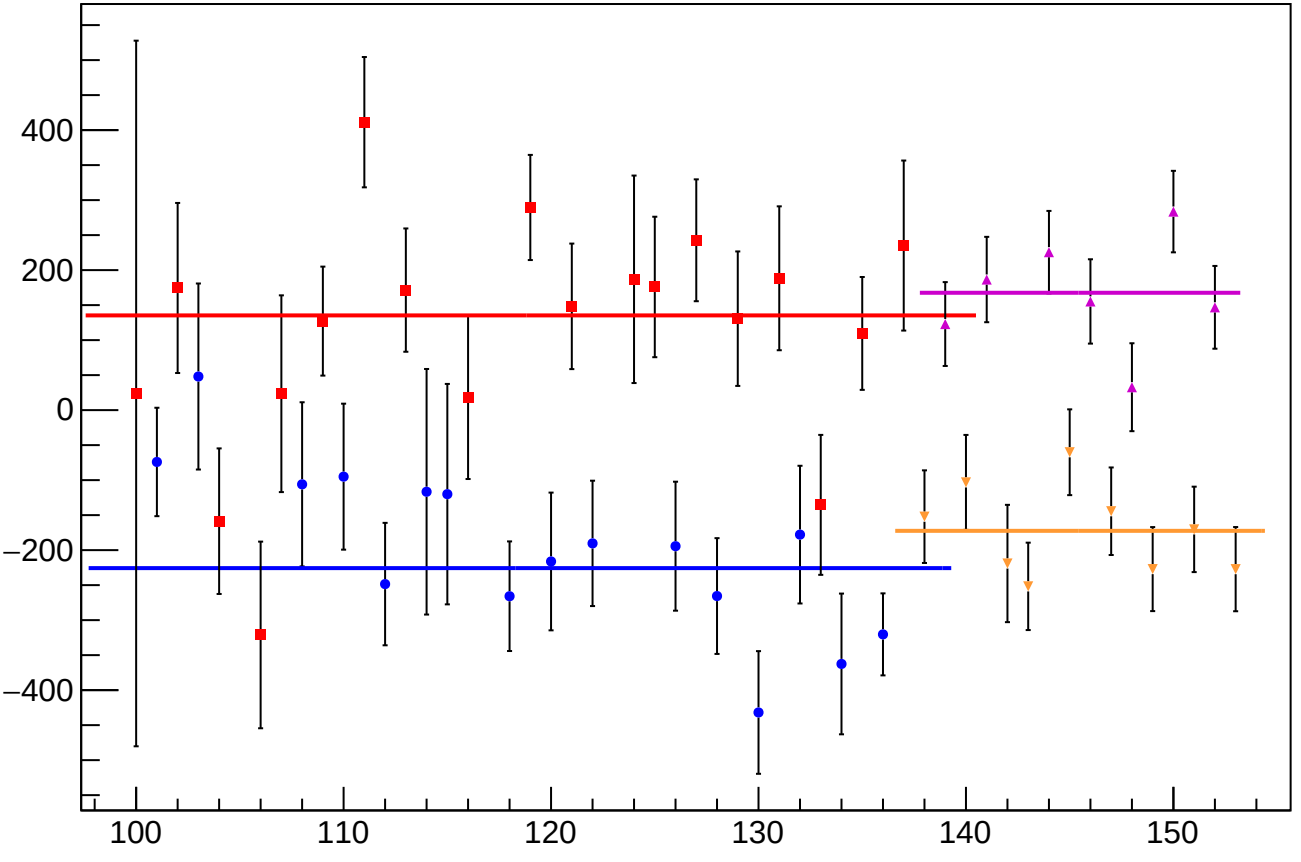
Left In: 264.337+/-0.077 χ^2/NDF:388141.3/6

+ sign 198.892+/-0.042 χ^2/NDF: 5924188.0/24

All: 184.096+/-0.029 χ^2/NDF: 13640510.1/50

- sign 171.387+/-0.039 χ^2/NDF: 7486975.9/25

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -172.436+/-21.369 χ^2/NDF:8.3/8

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

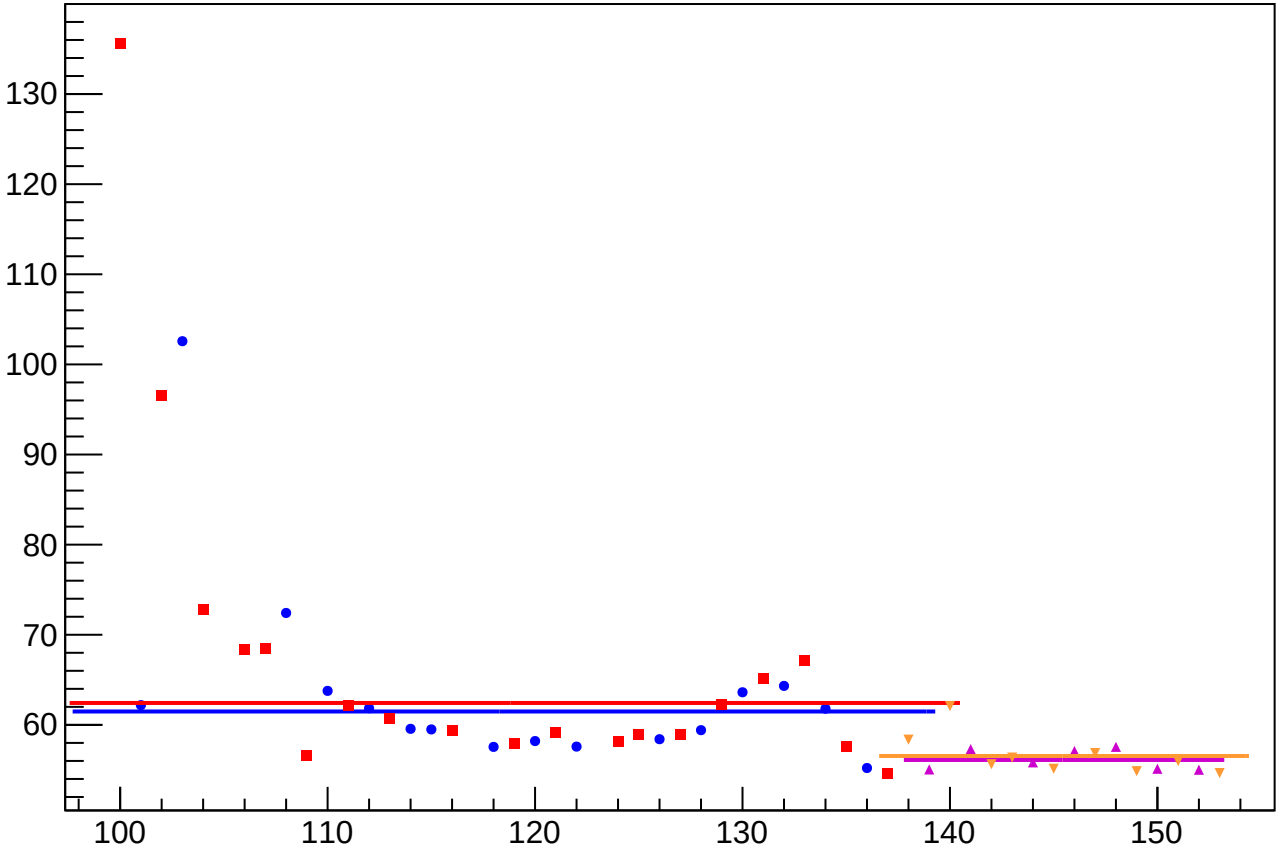
Left In: 167.628+/-22.668 χ^2/NDF:10.4/6

+ sign -196.973+/-15.692 χ^2/NDF: 33.8/24

All: -28.277+/-11.276 χ^2/NDF: 329.0/50

- sign 151.848+/-16.215 χ^2/NDF: 56.3/25

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.550+/-0.015 χ^2/NDF:19943.3/8

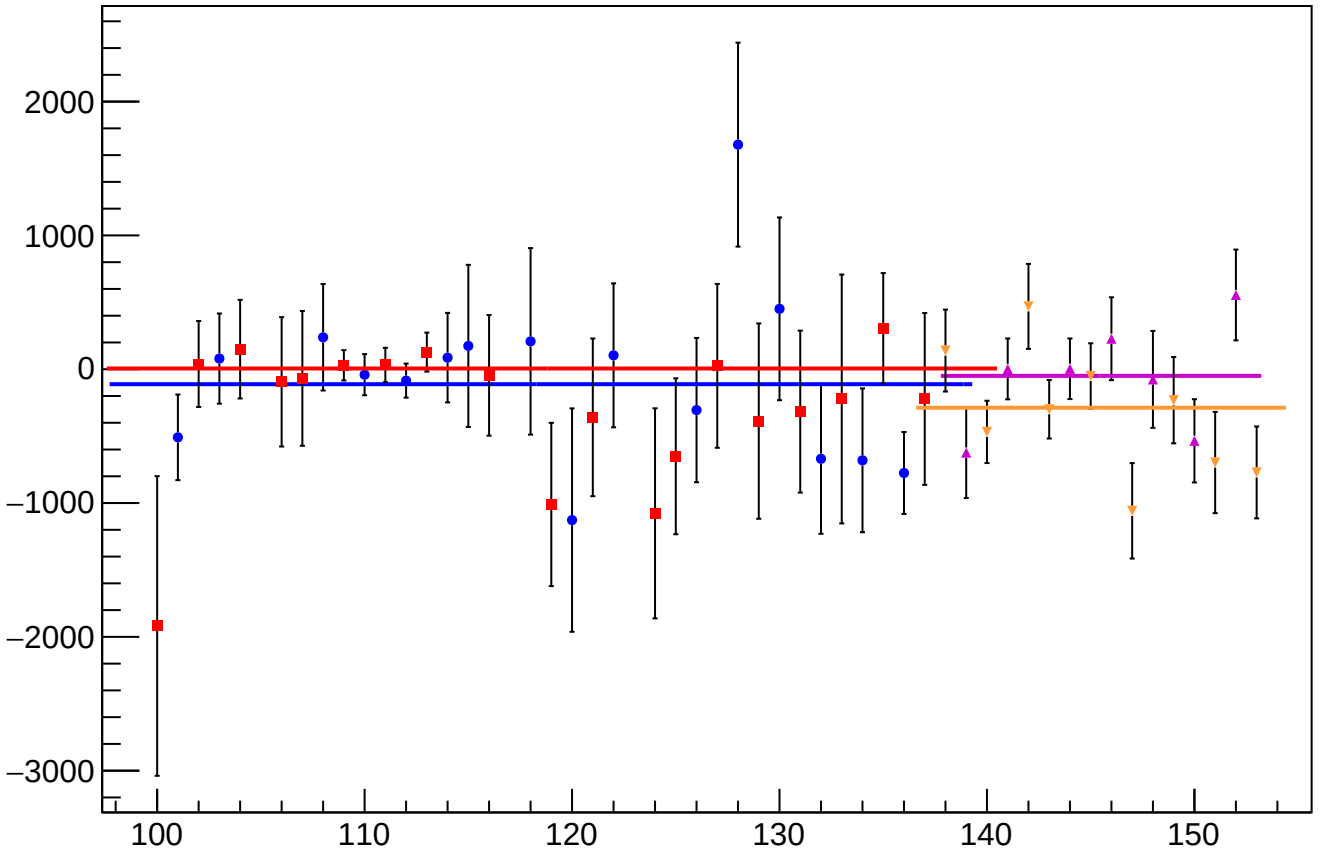
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.108+/-0.016 χ^2/NDF:4297.2/6

+ sign 58.824+/-0.011 χ^2/NDF: 319785.5/24

All: 59.004+/-0.008 χ^2/NDF: 680070.5/50

- sign 59.196+/-0.011 χ^2/NDF: 359741.1/25



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -287.479+/-95.515 χ^2/NDF:17.0/8

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

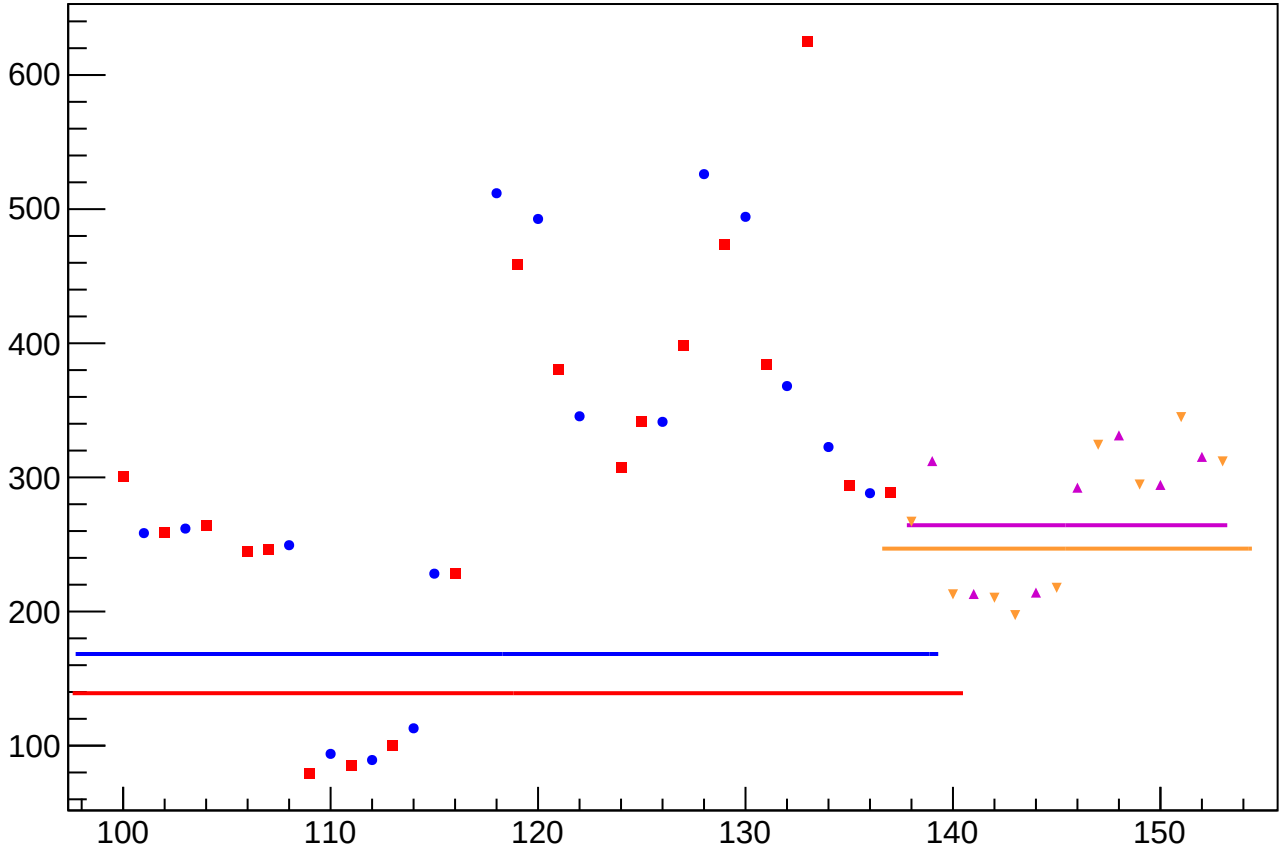
Left In: -49.568+/-108.742 χ^2/NDF:9.4/6

+ sign -180.180+/-59.573 χ^2/NDF: 37.6/24

All: -87.883+/-40.494 χ^2/NDF: 63.2/50

- sign -8.609+/-55.210 χ^2/NDF: 21.2/25

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 246.896+/-0.068 χ^2/NDF:553302.5/8

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

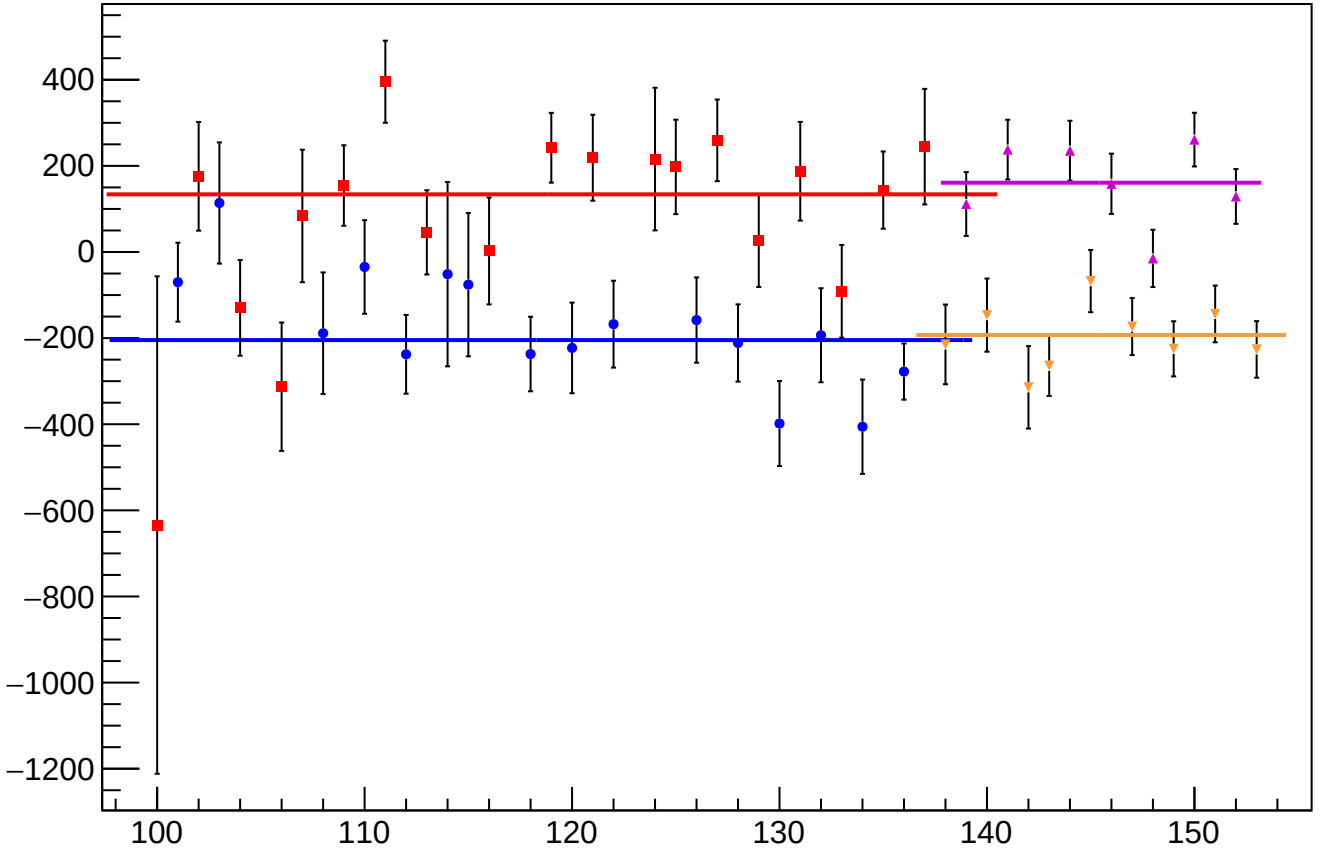
Left In: 264.337+/-0.077 χ^2/NDF:388141.3/6

+ sign 198.892+/-0.042 χ^2/NDF: 5924188.0/24

All: 184.096+/-0.029 χ^2/NDF: 13640510.1/50

- sign 171.387+/-0.039 χ^2/NDF: 7486975.9/25

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -192.718+/-24.297 χ^2/NDF:7.2/8

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

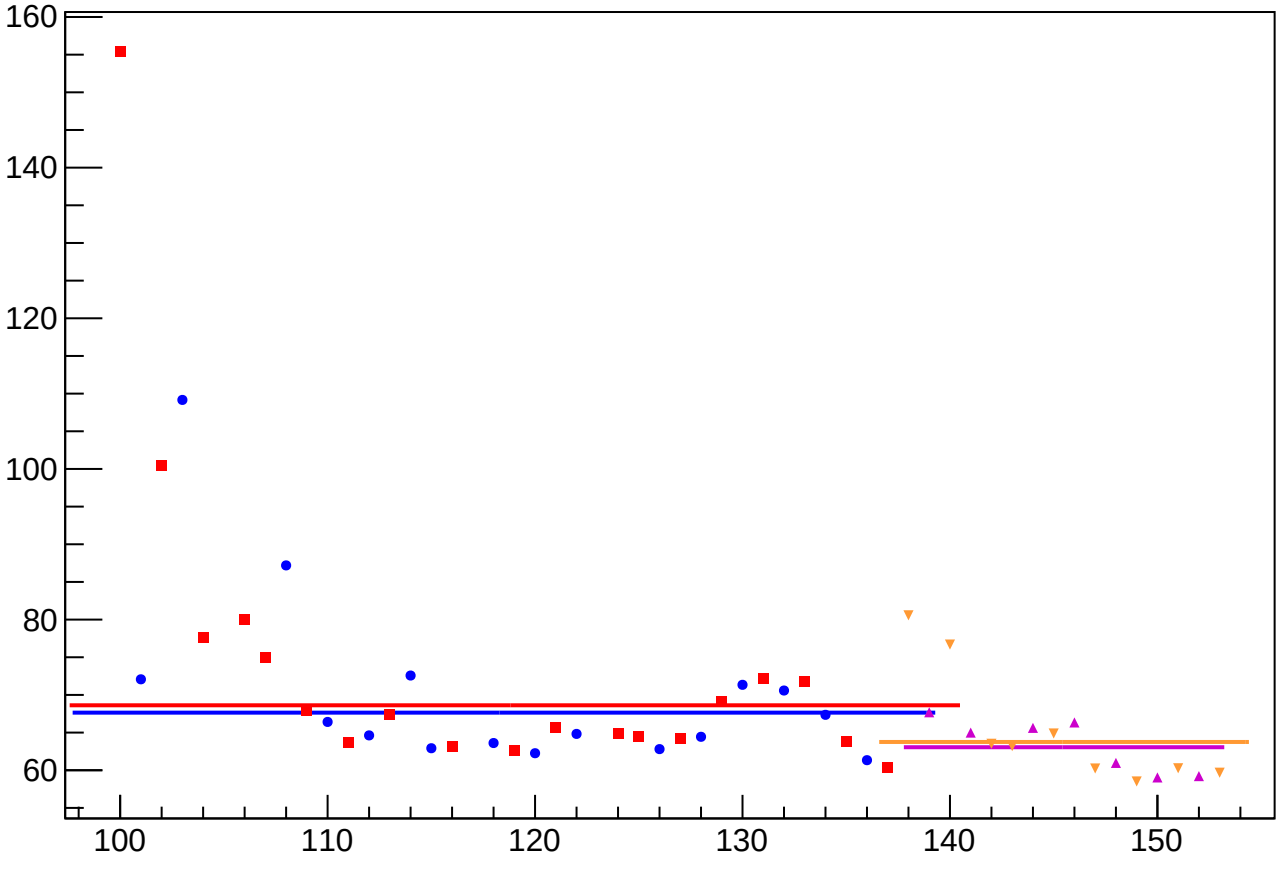
Left In: 160.868+/-25.565 χ^2/NDF:12.6/6

+ sign -198.356+/-17.598 χ^2/NDF: 27.3/24

All: -29.866+/-12.600 χ^2/NDF: 265.8/50

- sign 147.353+/-18.048 χ^2/NDF: 50.4/25

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.755+/-0.017 χ^2/NDF:145460.4/8

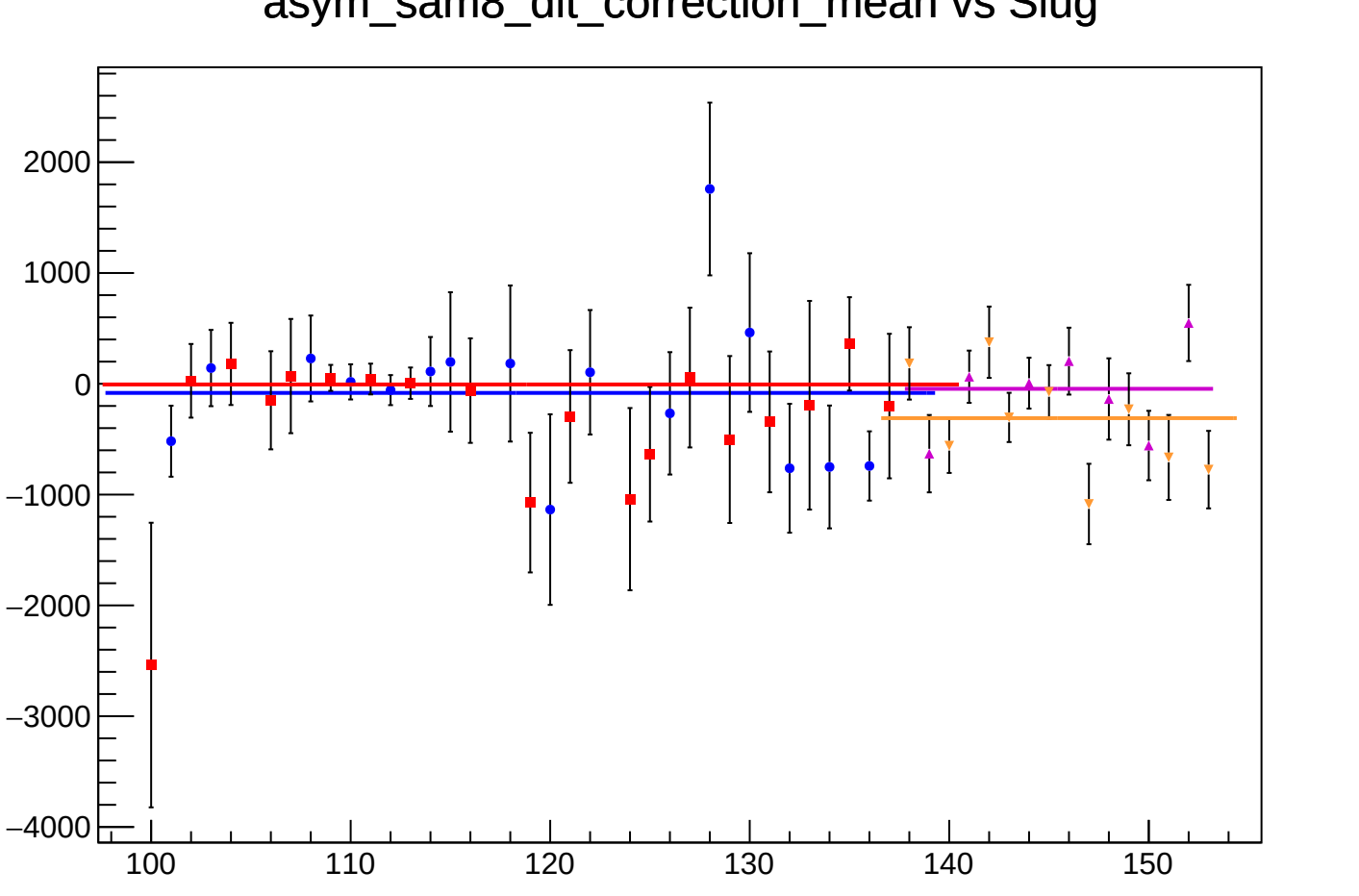
Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.056+/-0.018 χ^2/NDF:34034.6/6

+ sign 65.605+/-0.012 χ^2/NDF: 433532.3/24

All: 65.724+/-0.009 χ^2/NDF: 763509.4/50

- sign 65.849+/-0.013 χ^2/NDF: 329790.9/25



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -309.895+/-97.537 χ^2/NDF:16.1/8

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

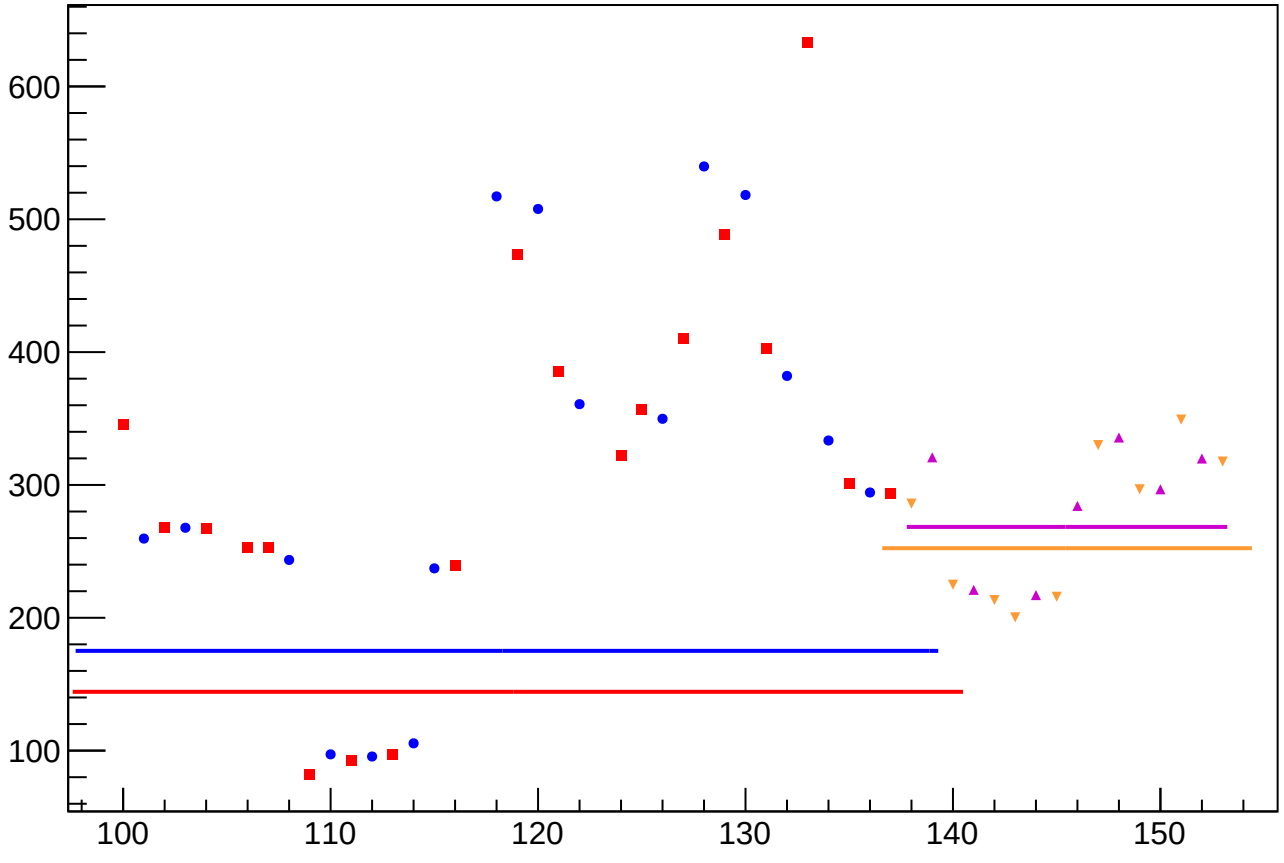
Left In: -45.302+/-110.286 χ^2/NDF:9.5/6

+ sign -171.968+/-61.237 χ^2/NDF: 38.6/24

All: -88.034+/-41.556 χ^2/NDF: 63.7/50

- sign -16.390+/-56.577 χ^2/NDF: 21.6/25

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 252.389+/-0.069 χ^2/NDF:557226.4/8

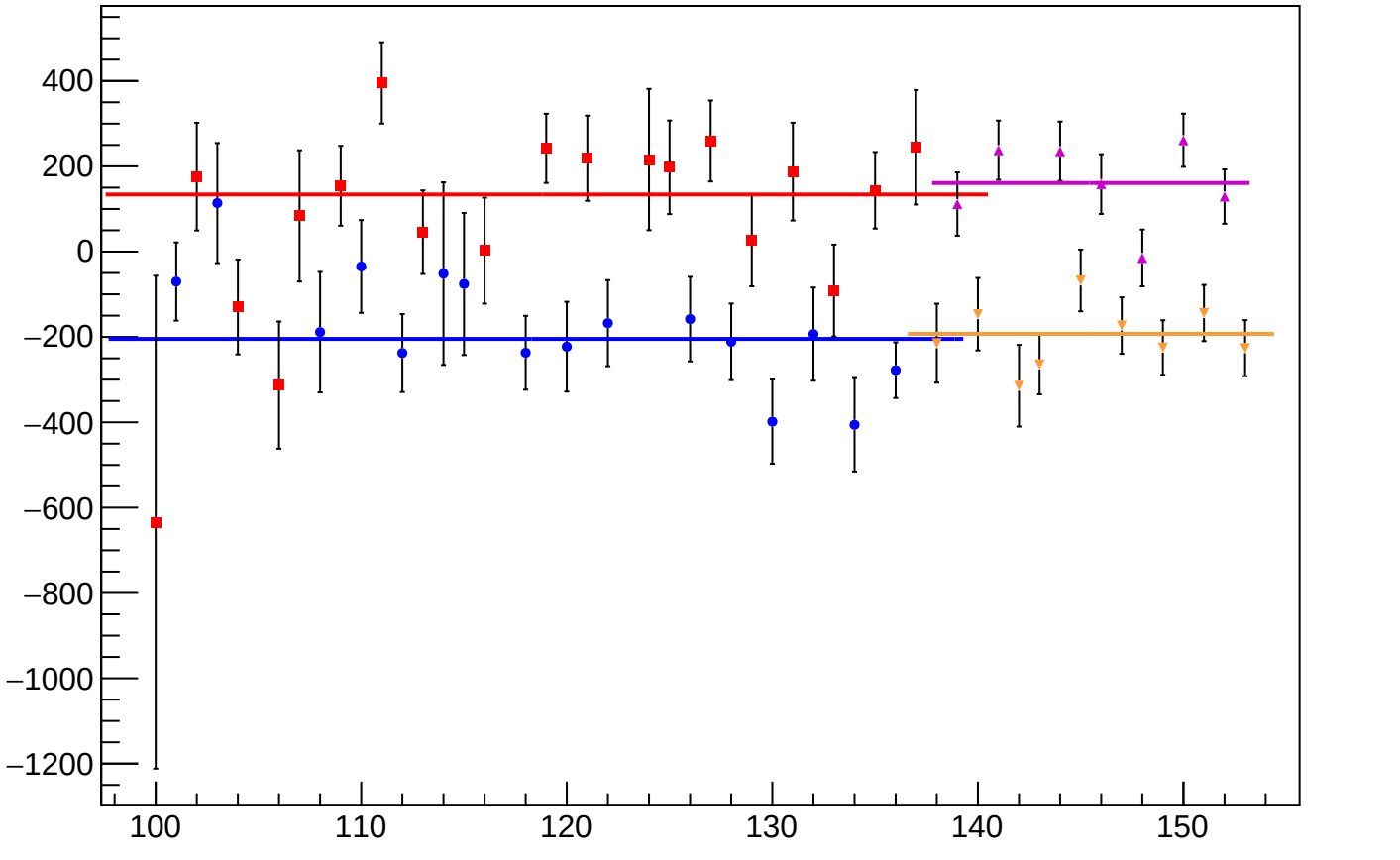
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 268.405+/-0.078 χ^2/NDF:359739.2/6

+ sign 205.565+/-0.043 χ^2/NDF: 5747121.8/24

All: 190.123+/-0.029 χ^2/NDF: 13341829.9/50

- sign 176.943+/-0.040 χ^2/NDF: 7358986.2/25



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -192.718+/-24.297 χ^2/NDF:7.2/8

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

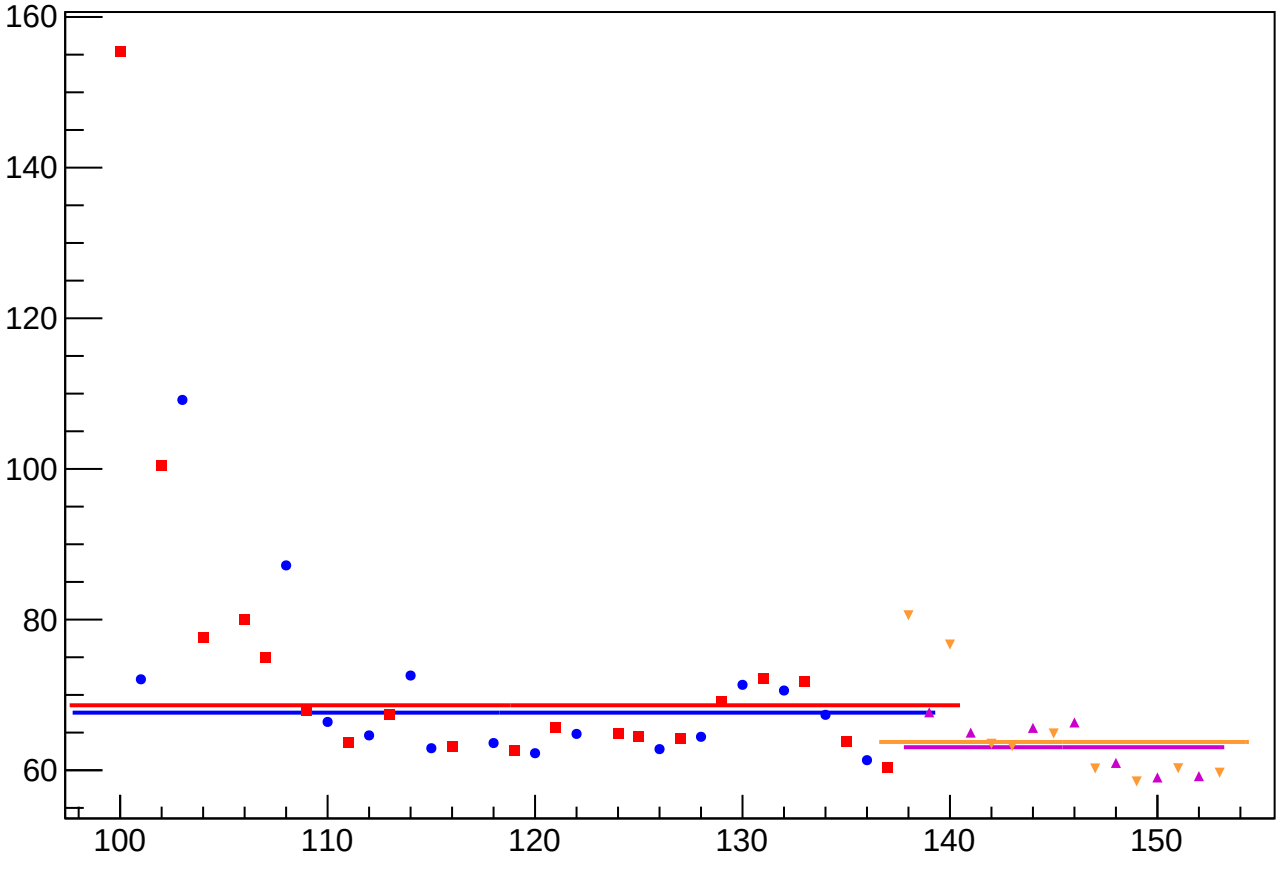
Left In: 160.868+/-25.565 χ^2/NDF:12.6/6

+ sign -198.356+/-17.598 χ^2/NDF: 27.3/24

All: -29.865+/-12.600 χ^2/NDF: 265.8/50

- sign 147.354+/-18.048 χ^2/NDF: 50.4/25

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.755+/-0.017 χ^2/NDF:145459.3/8

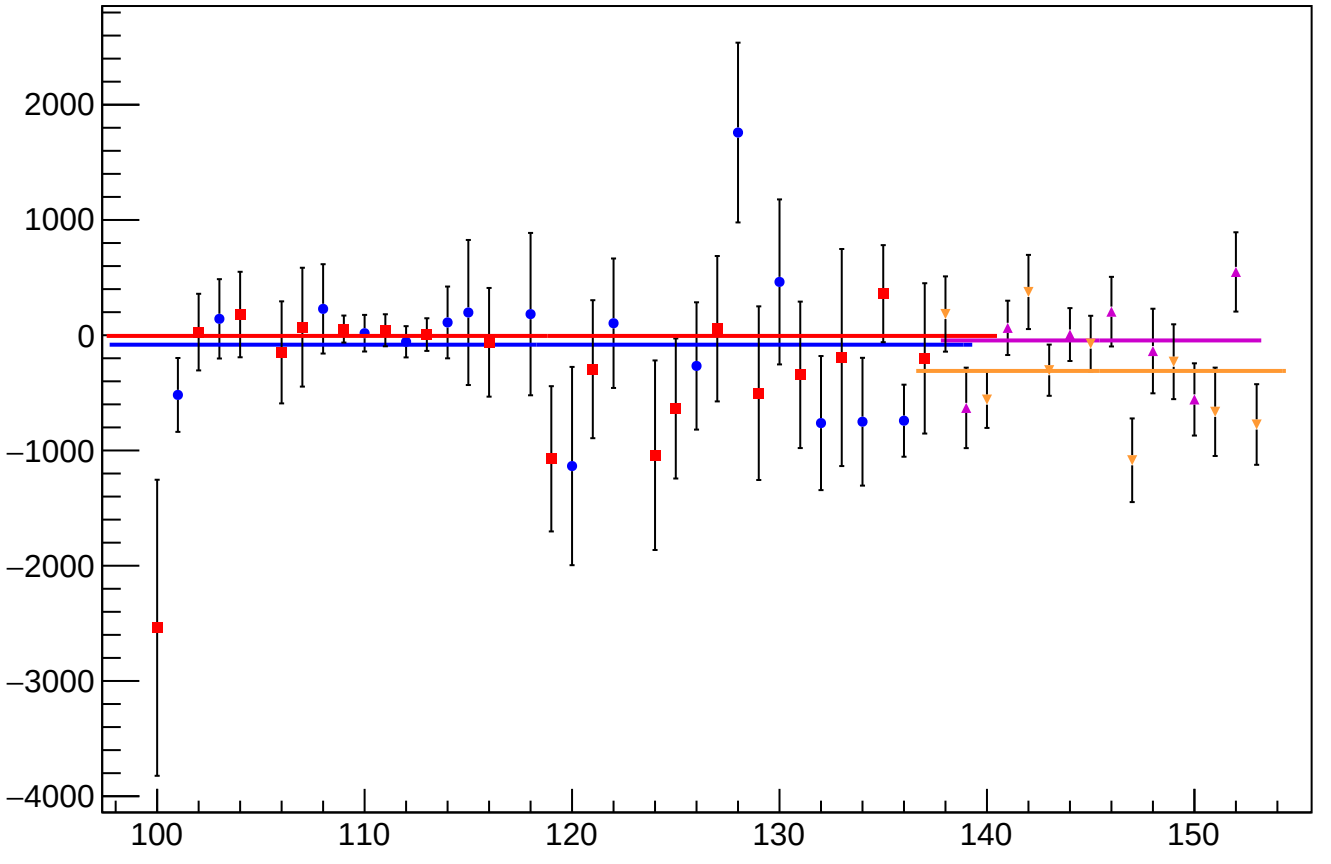
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.056+/-0.018 χ^2/NDF:34035.0/6

+ sign 65.605+/-0.012 χ^2/NDF: 433527.1/24

All: 65.724+/-0.009 χ^2/NDF: 763501.1/50

- sign 65.849+/-0.013 χ^2/NDF: 329787.8/25



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -309.895+/-97.537 χ^2/NDF:16.1/8

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

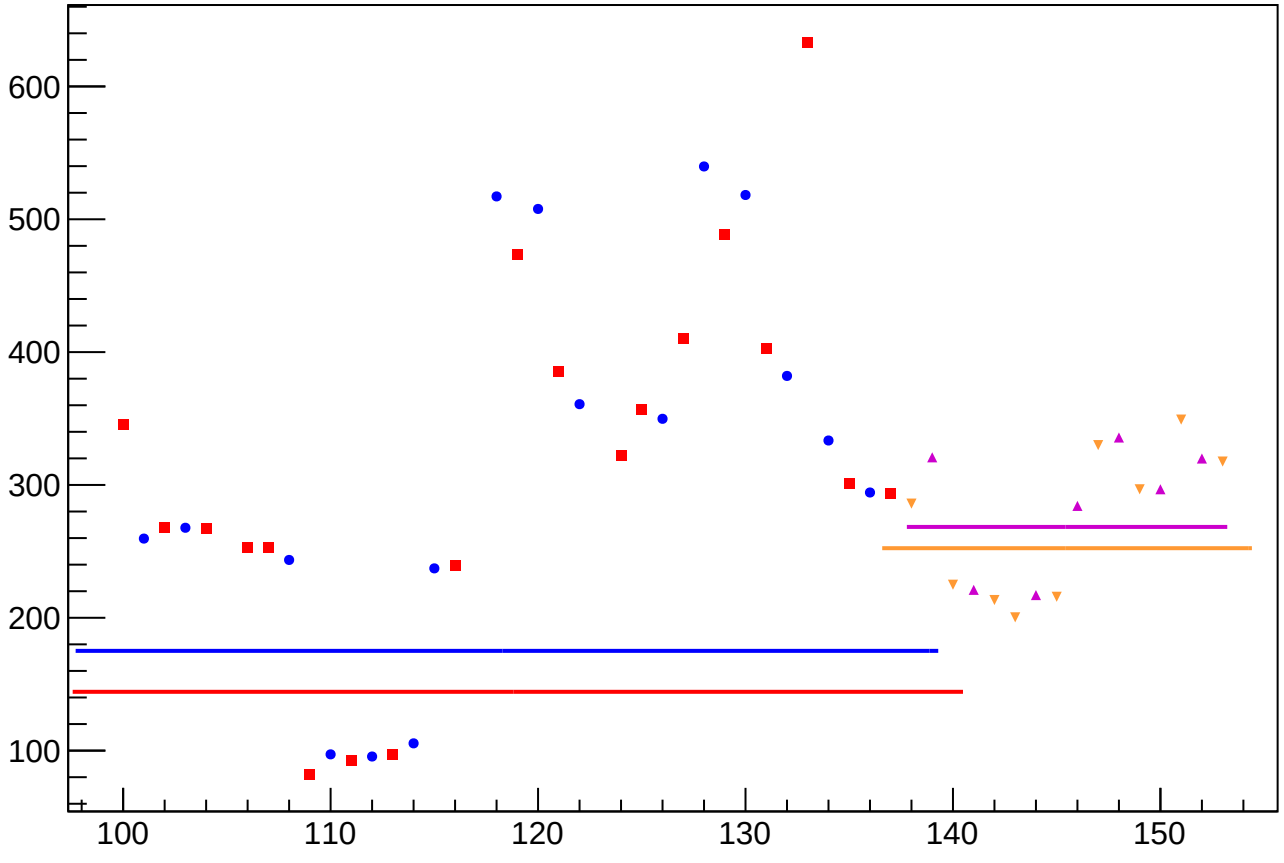
Left In: -45.302+/-110.286 χ^2/NDF:9.5/6

+ sign -171.967+/-61.237 χ^2/NDF: 38.6/24

All: -88.033+/-41.556 χ^2/NDF: 63.7/50

- sign -16.389+/-56.576 χ^2/NDF: 21.6/25

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 252.388+/-0.069 χ^2/NDF:557230.0/8

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

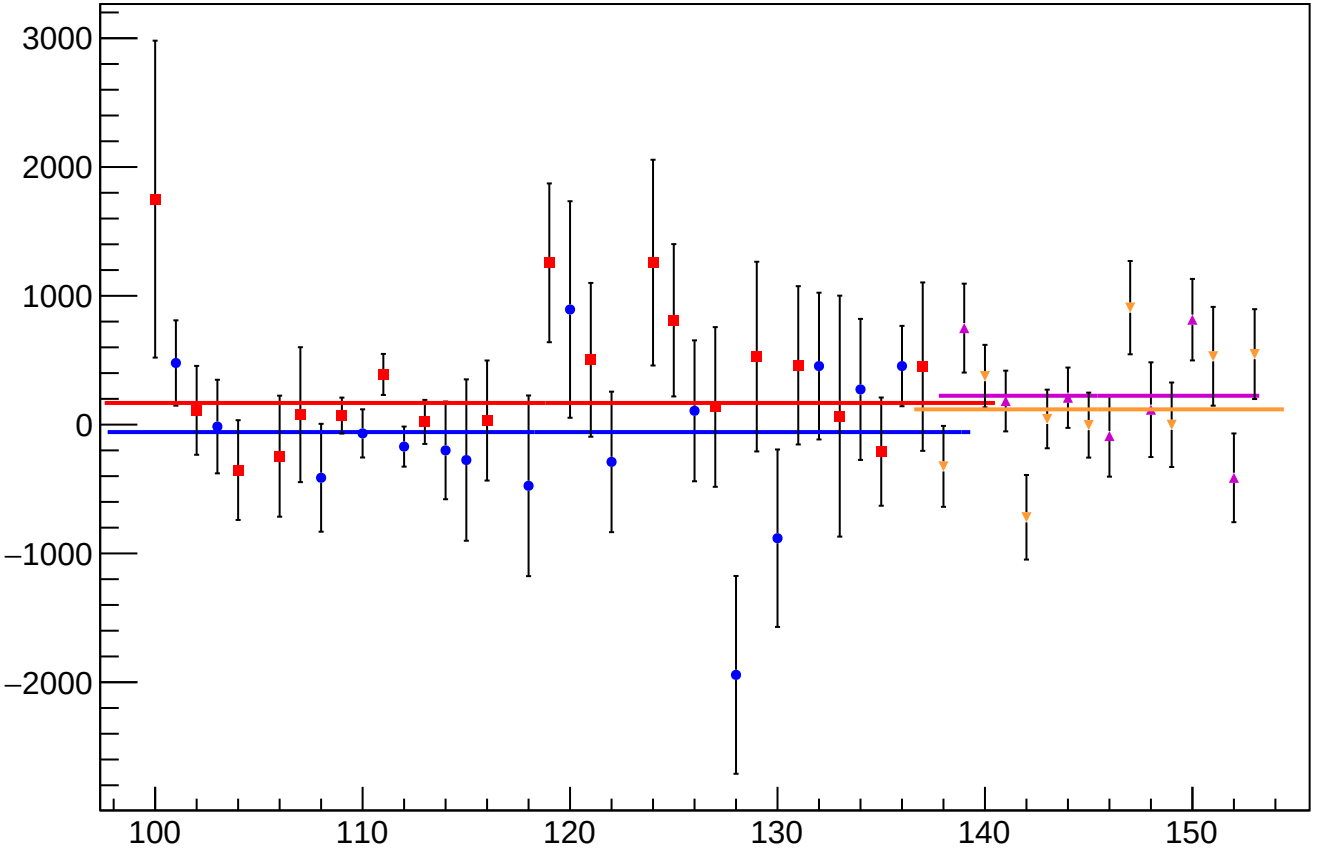
Left In: 268.404+/-0.078 χ^2/NDF:359737.6/6

+ sign 205.564+/-0.043 χ^2/NDF: 5747159.8/24

All: 190.123+/-0.029 χ^2/NDF: 13341824.8/50

- sign 176.942+/-0.040 χ^2/NDF: 7358956.3/25

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 118.487+/-98.384 χ^2/NDF:17.5/8

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

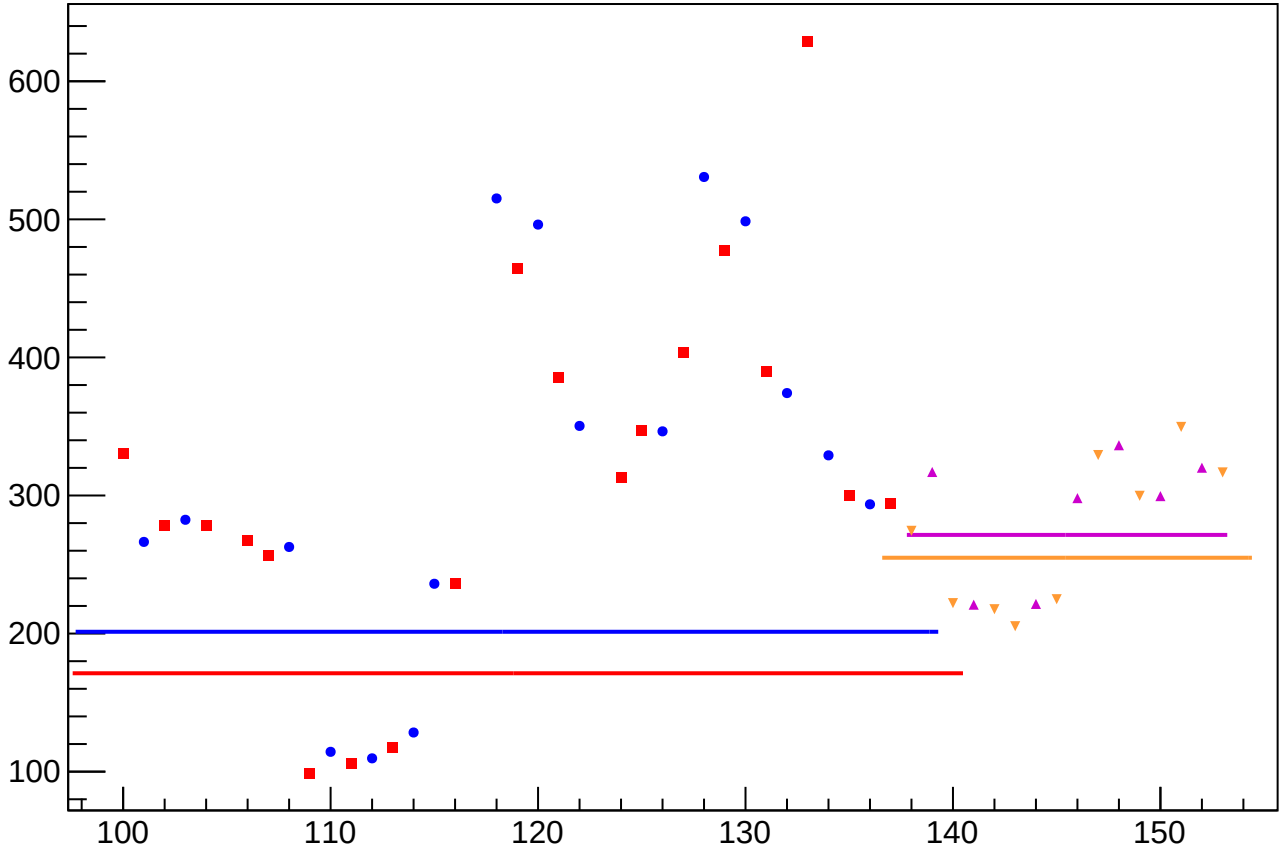
Left In: 224.054+/-111.470 χ^2/NDF:10.3/6

+ sign 19.353+/-65.127 χ^2/NDF: 36.7/24

All: 106.549+/-44.904 χ^2/NDF: 66.1/50

- sign 185.561+/-61.996 χ^2/NDF: 26.0/25

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 254.923+/-0.070 χ^2/NDF:500011.2/8

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

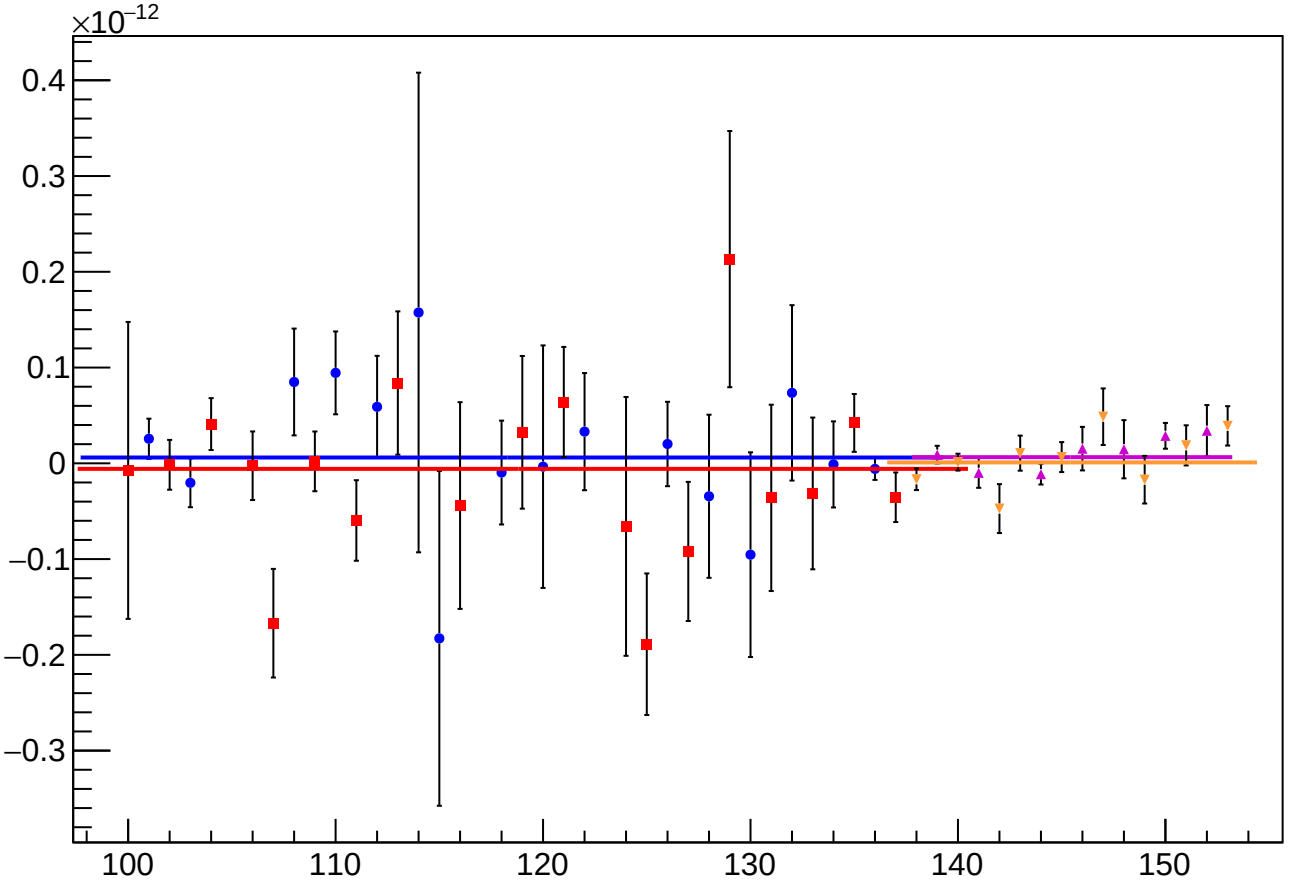
Left In: 271.457+/-0.079 χ^2/NDF:350245.8/6

+ sign 224.798+/-0.046 χ^2/NDF: 4405973.4/24

All: 212.968+/-0.032 χ^2/NDF: 10190852.2/50

- sign 202.247+/-0.044 χ^2/NDF: 5659080.8/25

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/8

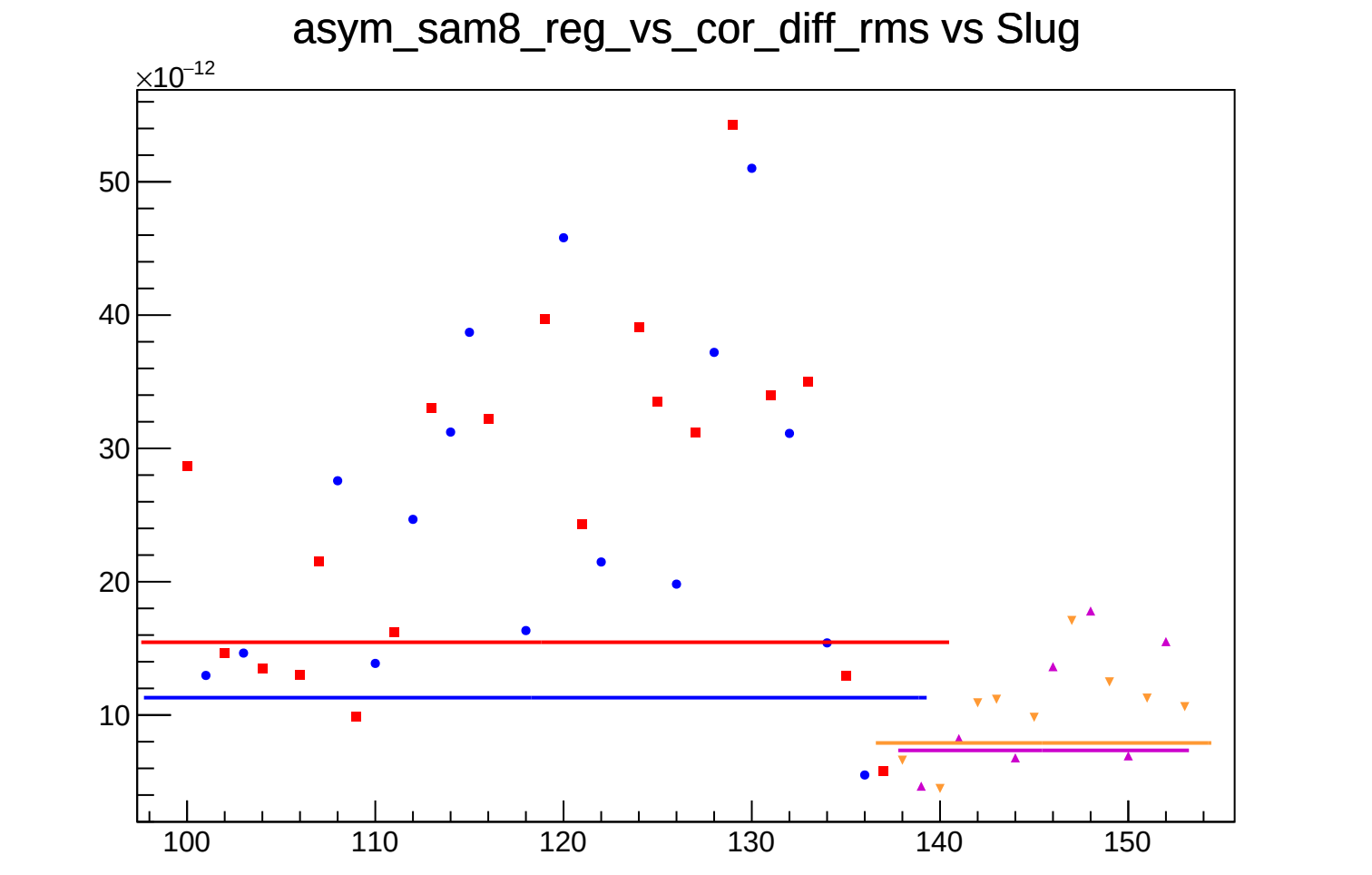
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/6

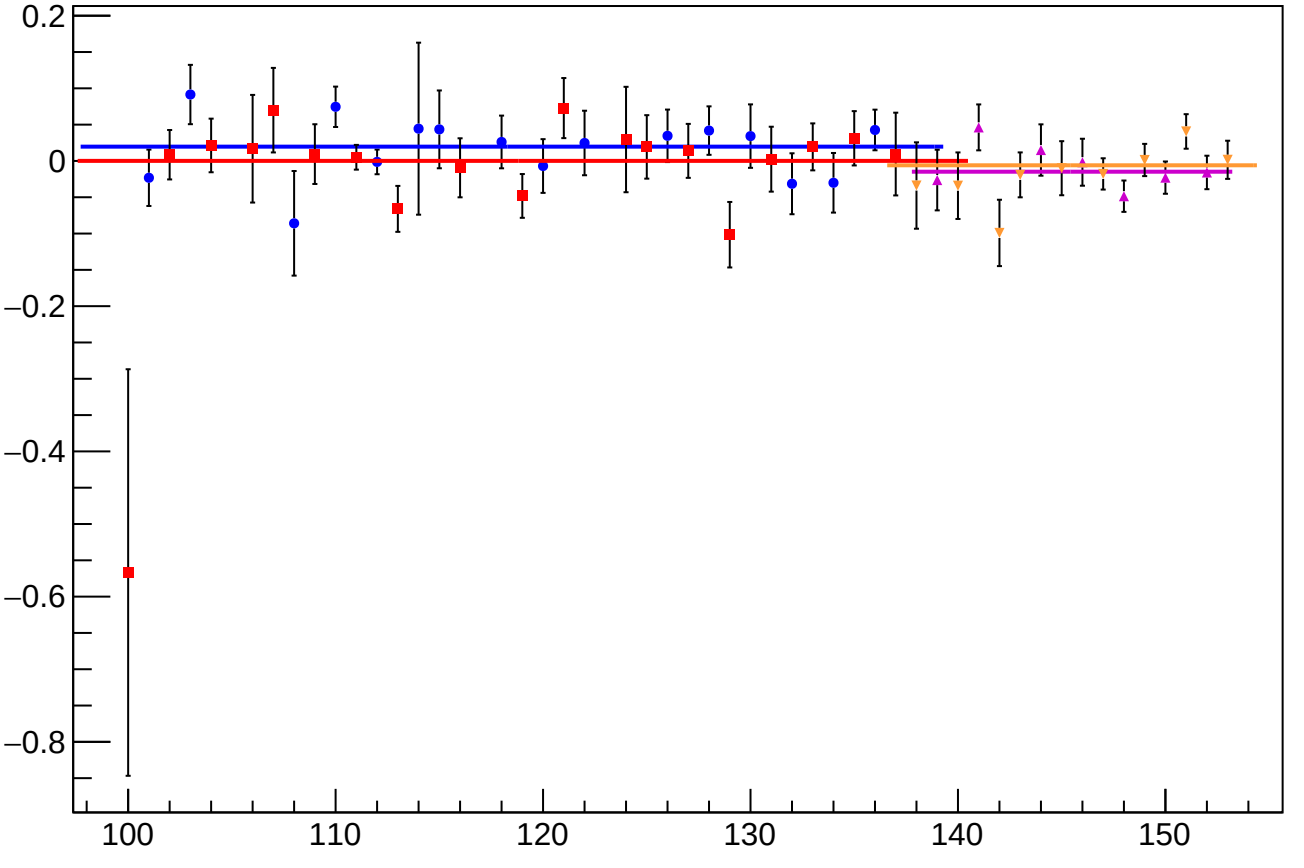
+ sign 0.000+/-0.000 χ^2/NDF: 27.8/24

All: 0.000+/-0.000 χ^2/NDF: 67.3/50

- sign 0.000+/-0.000 χ^2/NDF: 39.5/25


asym_sam8_reg_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:797629.6/8
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:757105.4/6
+ sign 0.000+/-0.000 χ²/NDF: 2828429.5/24
All: 0.000+/-0.000 χ²/NDF: 6019774.6/50
- sign 0.000+/-0.000 χ²/NDF: 3188304.5/25

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.010 χ^2/NDF:9.3/8

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

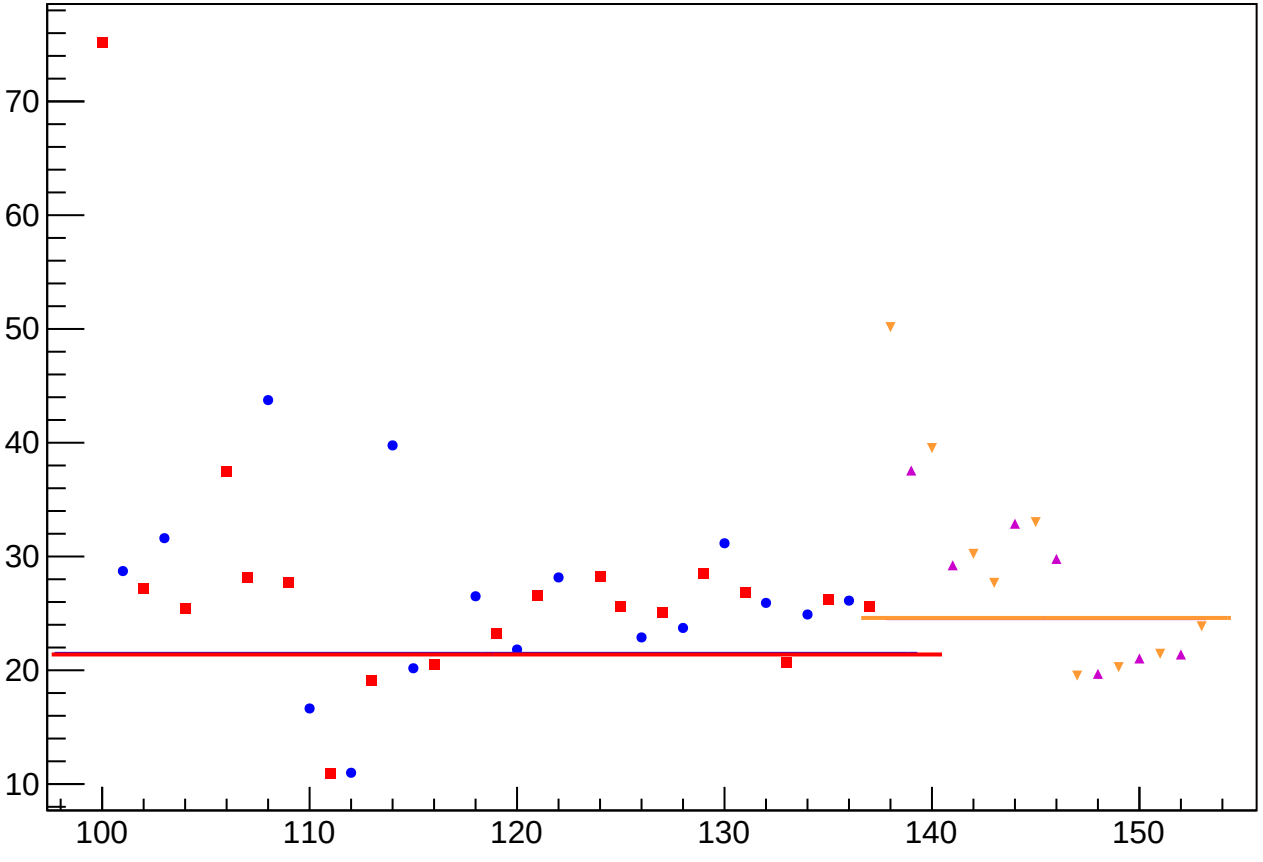
Left In: -0.015+/-0.010 χ^2/NDF:7.3/6

+ sign 0.008+/-0.007 χ^2/NDF: 30.2/24

All: 0.001+/-0.005 χ^2/NDF: 63.9/50

- sign -0.006+/-0.007 χ^2/NDF: 31.3/25

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.600+/-0.007 χ^2/NDF:957633.3/8

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

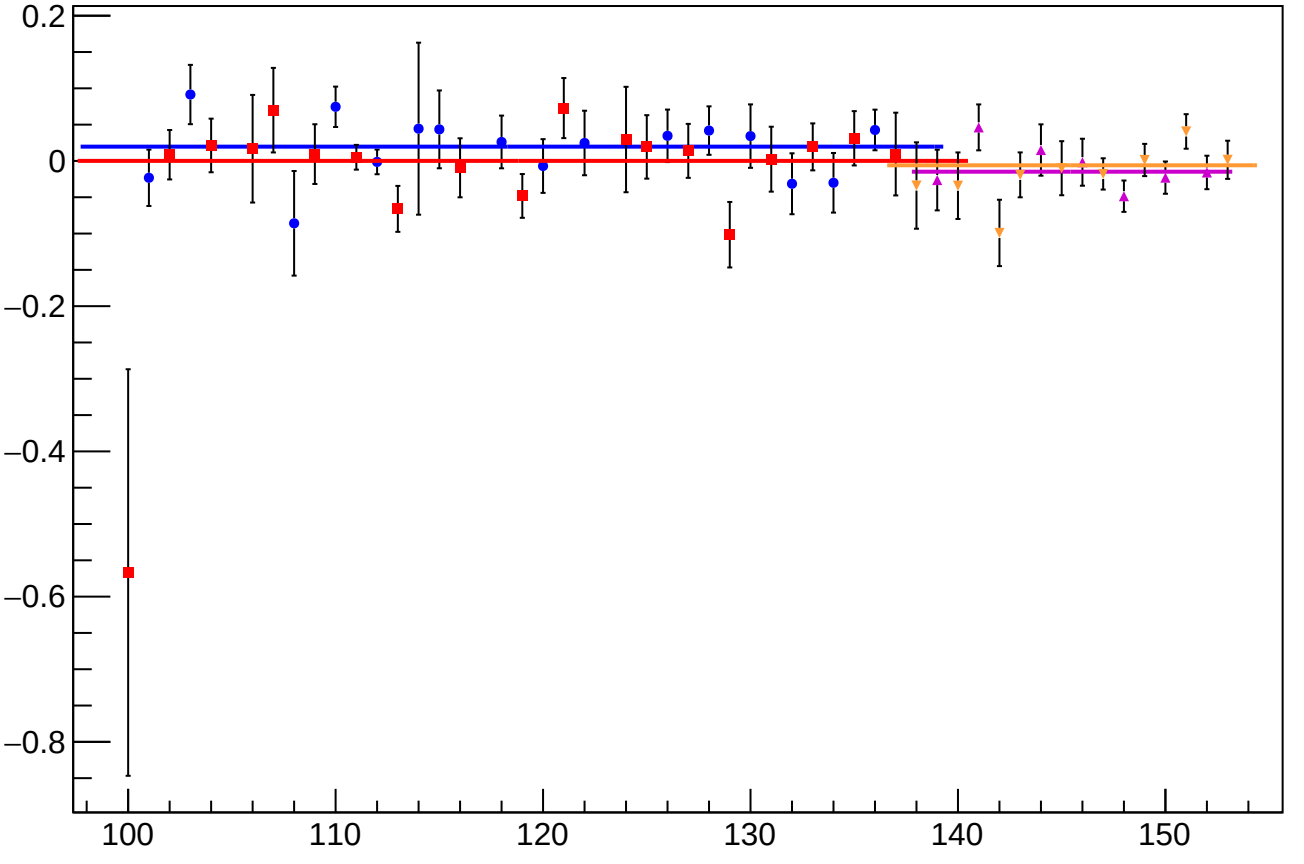
Left In: 24.585+/-0.007 χ^2/NDF:590445.4/6

+ sign 22.832+/-0.005 χ^2/NDF: 2614540.5/24

All: 22.757+/-0.003 χ^2/NDF: 4631551.6/50

- sign 22.682+/-0.005 χ^2/NDF: 2016481.2/25

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.010 χ^2/NDF:9.3/8

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

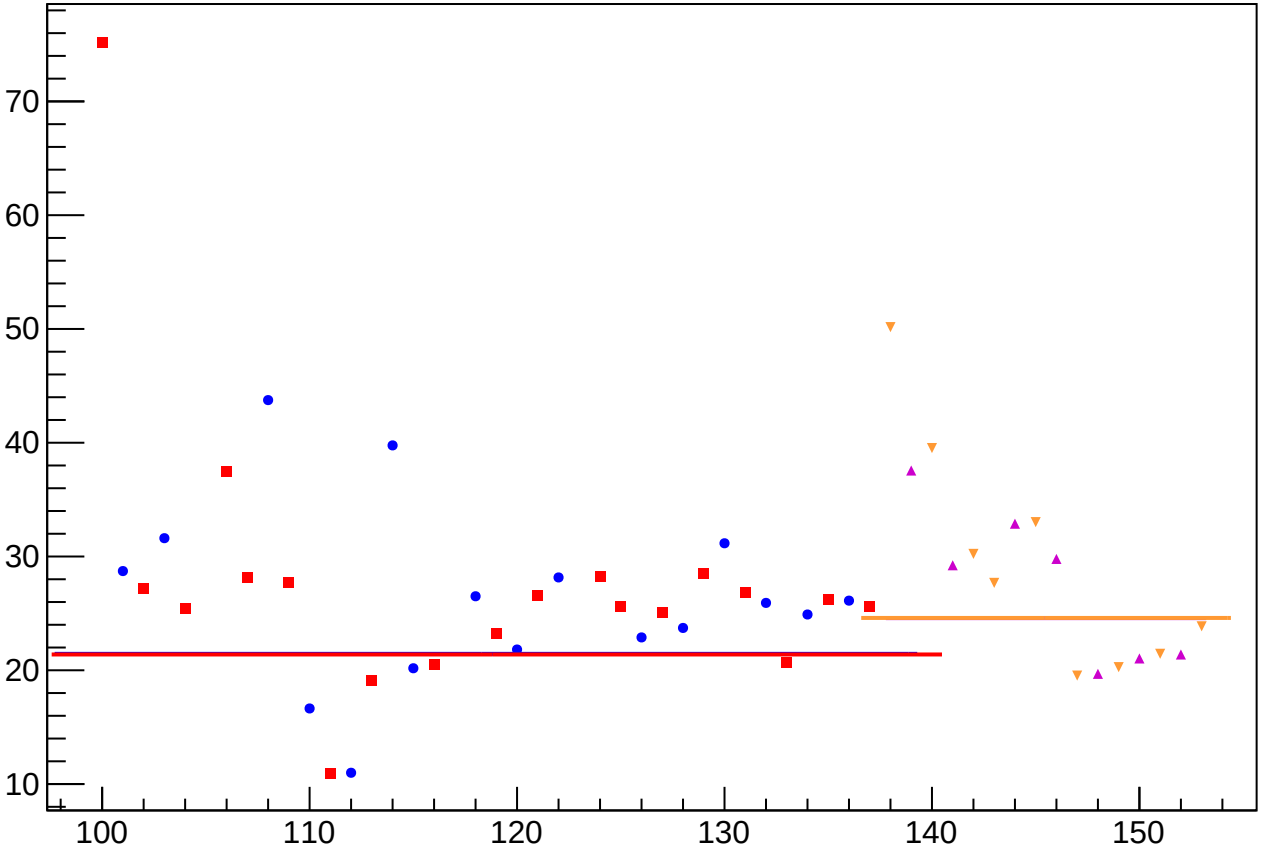
Left In: -0.015+/-0.010 χ^2/NDF:7.3/6

+ sign 0.008+/-0.007 χ^2/NDF: 30.2/24

All: 0.001+/-0.005 χ^2/NDF: 63.9/50

- sign -0.006+/-0.007 χ^2/NDF: 31.3/25

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.600+/-0.007 χ^2/NDF:957633.3/8

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

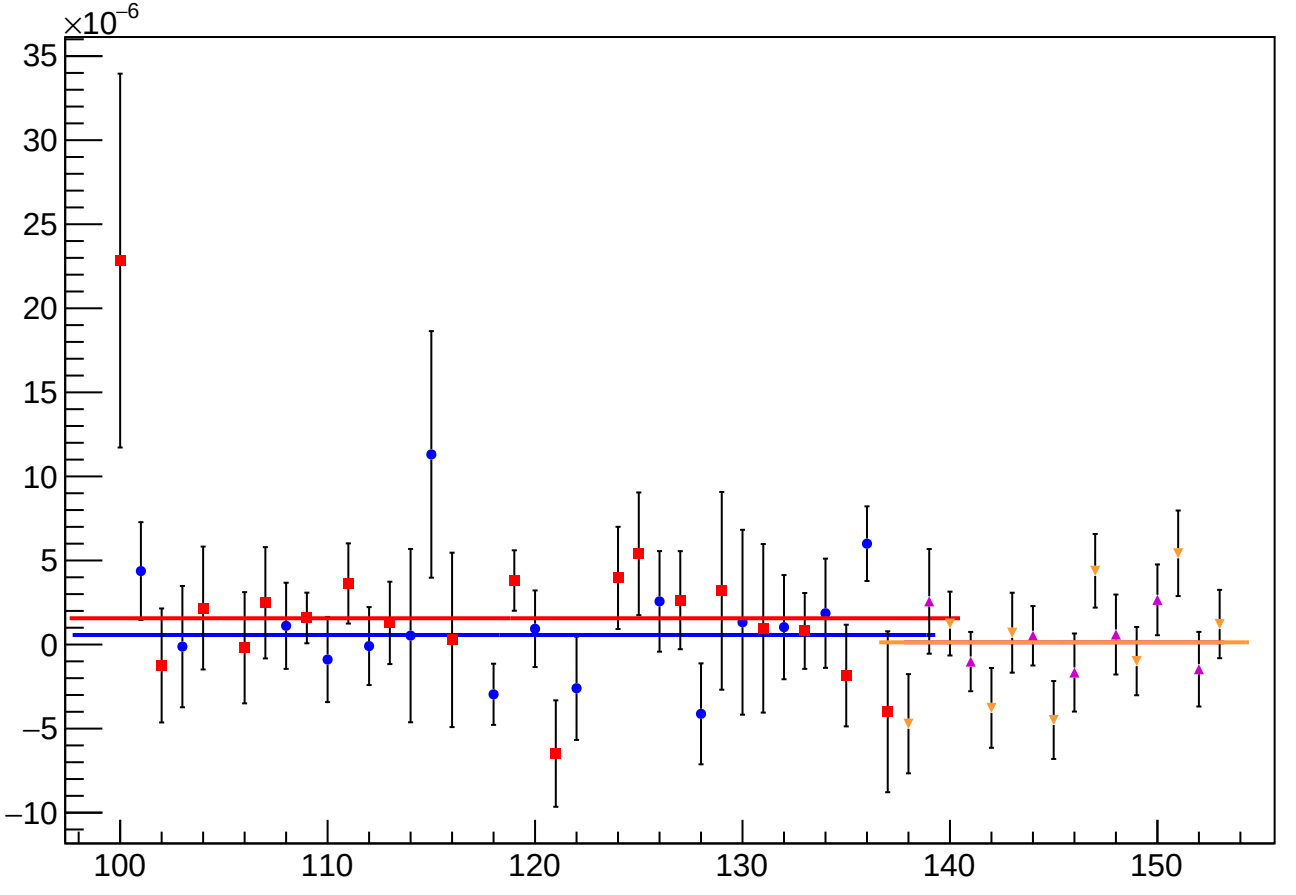
Left In: 24.585+/-0.007 χ^2/NDF:590445.4/6

+ sign 22.832+/-0.005 χ^2/NDF: 2614540.5/24

All: 22.757+/-0.003 χ^2/NDF: 4631551.6/50

- sign 22.682+/-0.005 χ^2/NDF: 2016481.2/25

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

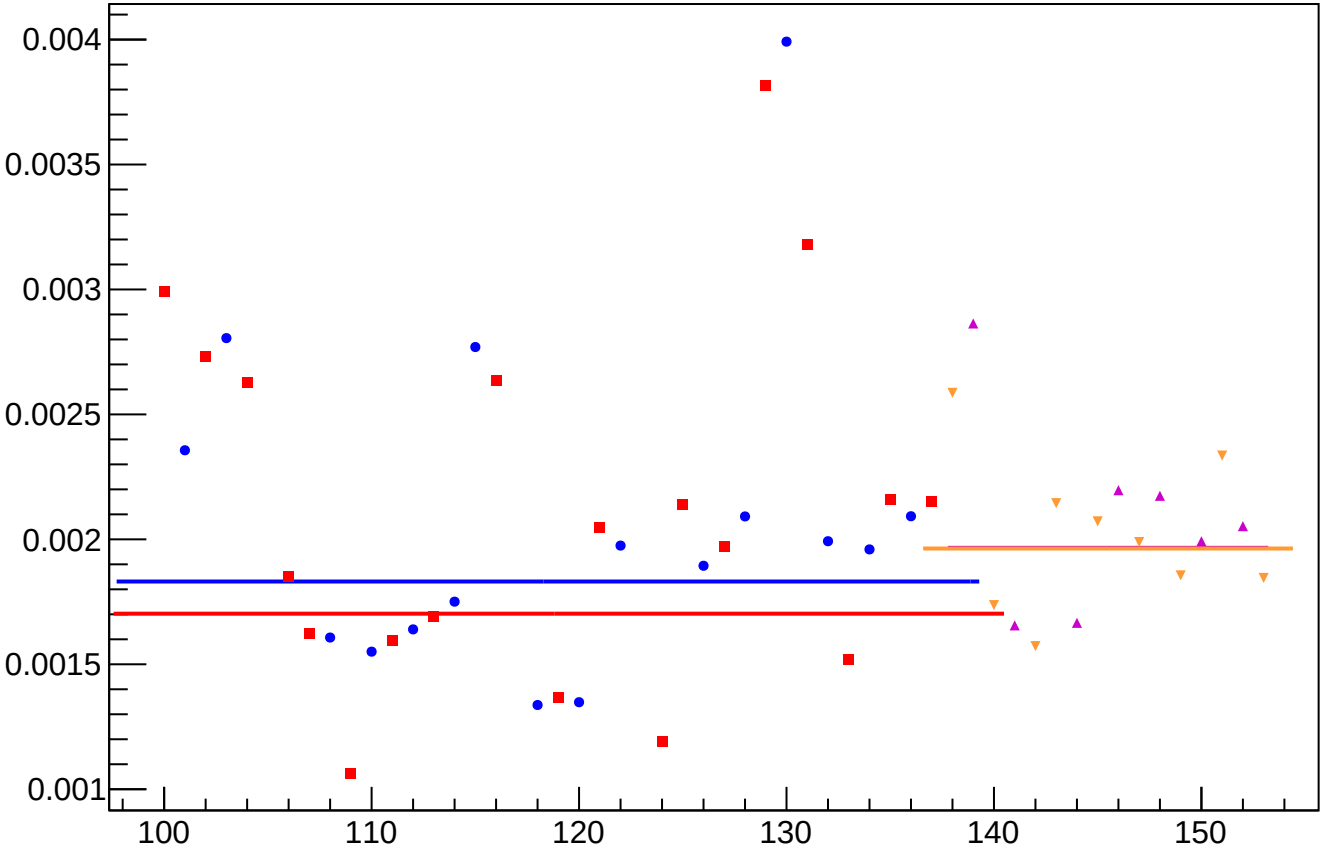
Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 36.9/24

All: 0.000+/-0.000 χ^2/NDF: 61.5/50

- sign 0.000+/-0.000 χ^2/NDF: 23.8/25

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:243248.5/8

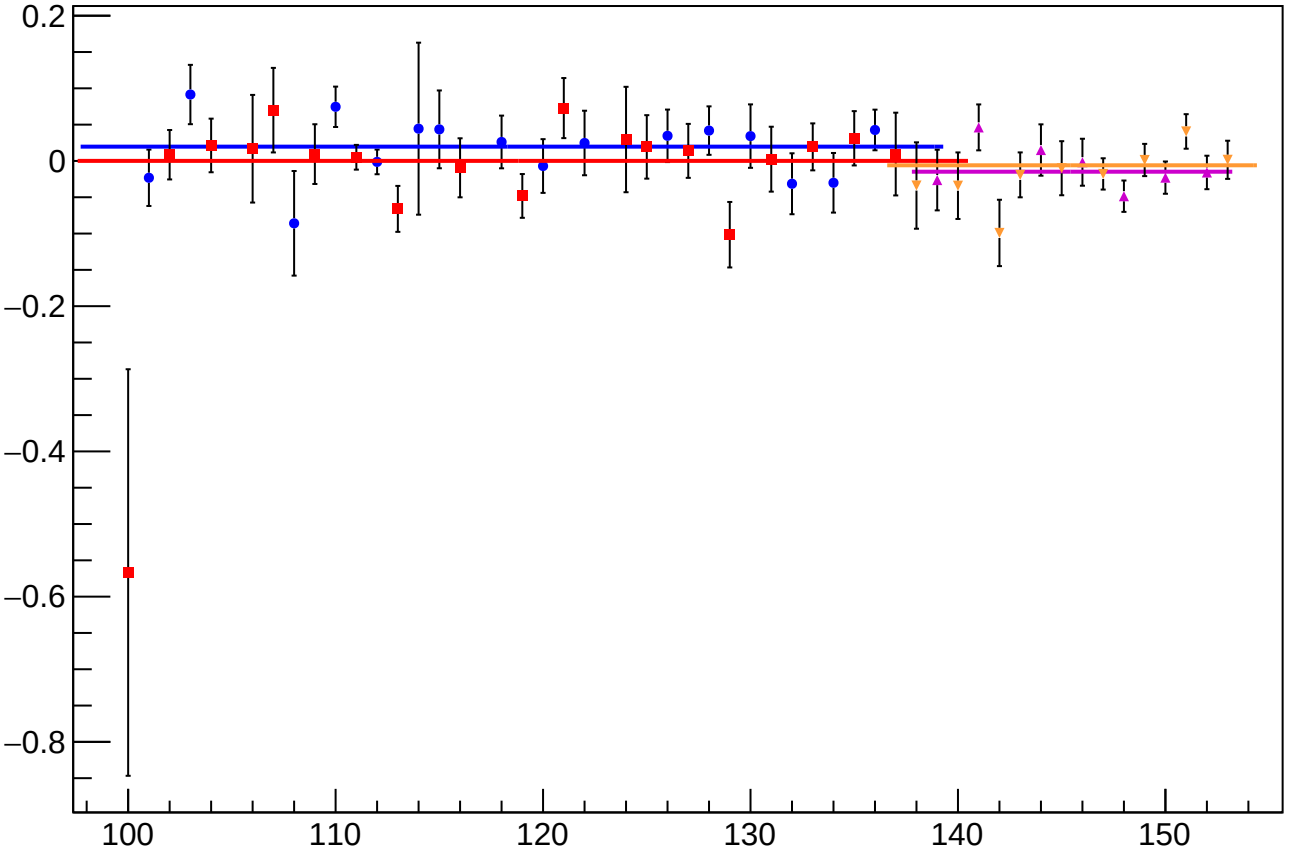
Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:324199.2/6

+ sign 0.002+/-0.000 χ^2/NDF: 1176538.0/24

All: 0.002+/-0.000 χ^2/NDF: 3134503.8/50

- sign 0.002+/-0.000 χ^2/NDF: 1930130.7/25



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.010 χ^2/NDF:9.3/8

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

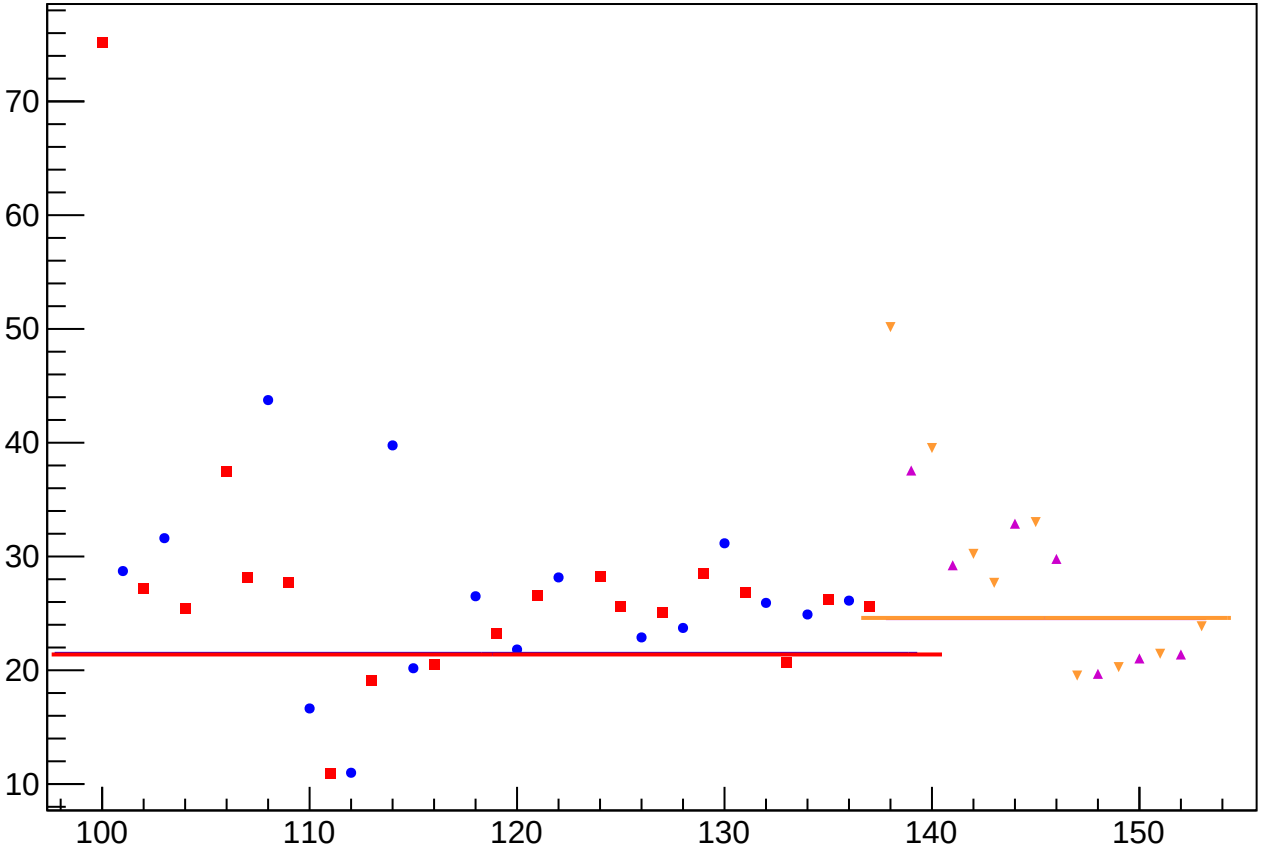
Left In: -0.015+/-0.010 χ^2/NDF:7.3/6

+ sign 0.008+/-0.007 χ^2/NDF: 30.2/24

All: 0.001+/-0.005 χ^2/NDF: 63.9/50

- sign -0.006+/-0.007 χ^2/NDF: 31.3/25

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.601+/-0.007 χ^2/NDF:957626.2/8

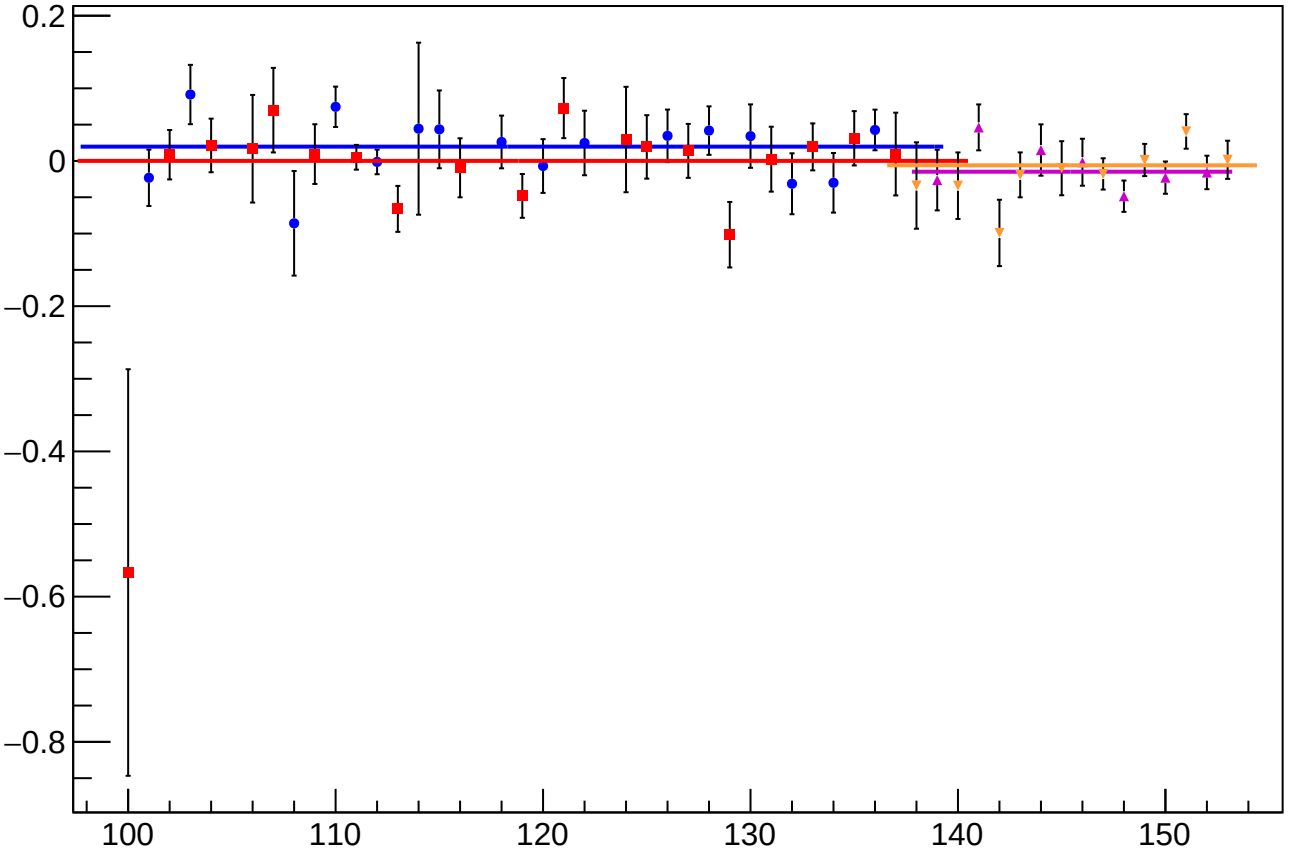
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.585+/-0.007 χ^2/NDF:590437.9/6

+ sign 22.832+/-0.005 χ^2/NDF: 2614747.4/24

All: 22.757+/-0.003 χ^2/NDF: 4631937.7/50

- sign 22.681+/-0.005 χ^2/NDF: 2016660.2/25



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.010 χ^2/NDF:9.3/8

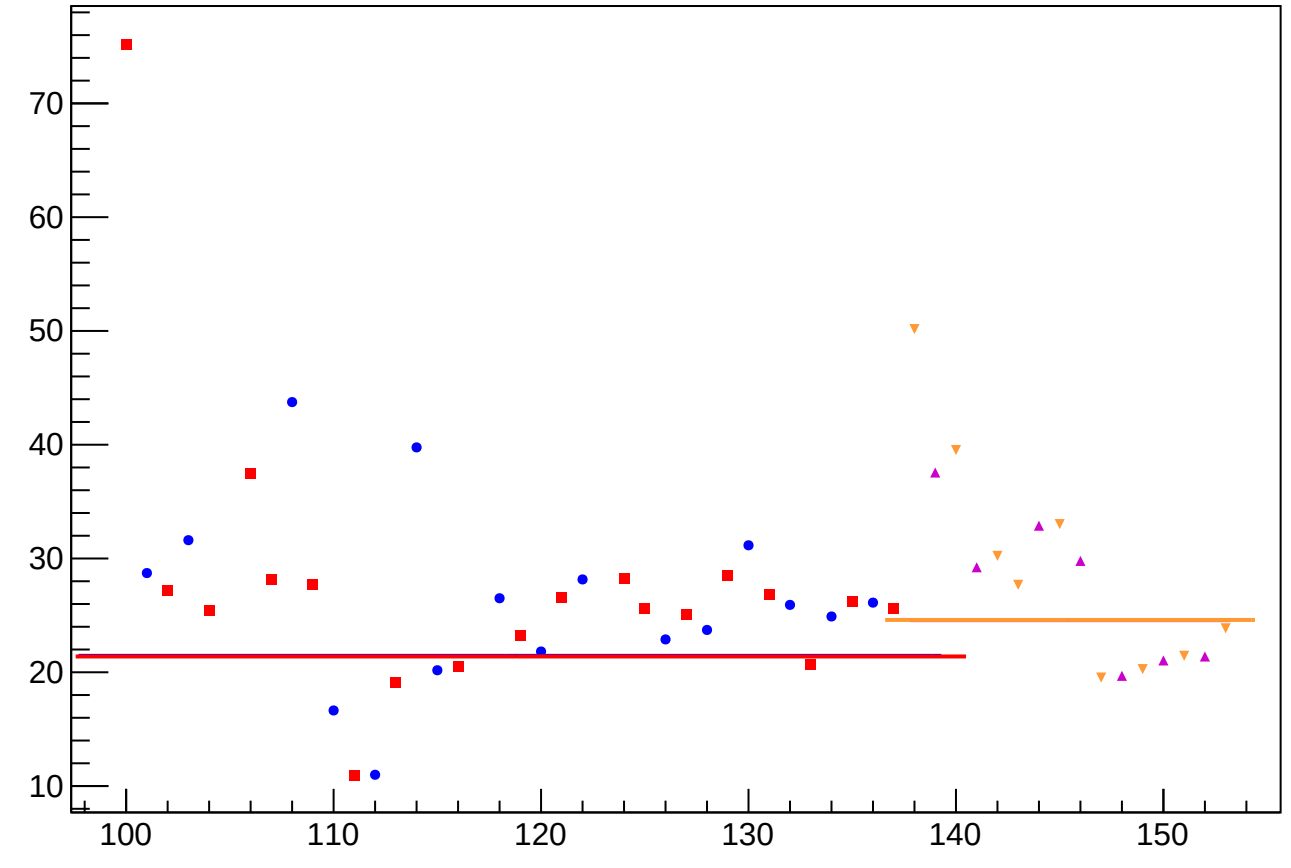
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.015+/-0.010 χ^2/NDF:7.3/6

+ sign 0.008+/-0.007 χ^2/NDF: 30.2/24

All: 0.001+/-0.005 χ^2/NDF: 63.9/50

- sign -0.006+/-0.007 χ^2/NDF: 31.3/25



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.601+/-0.007 χ^2/NDF:957626.2/8

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

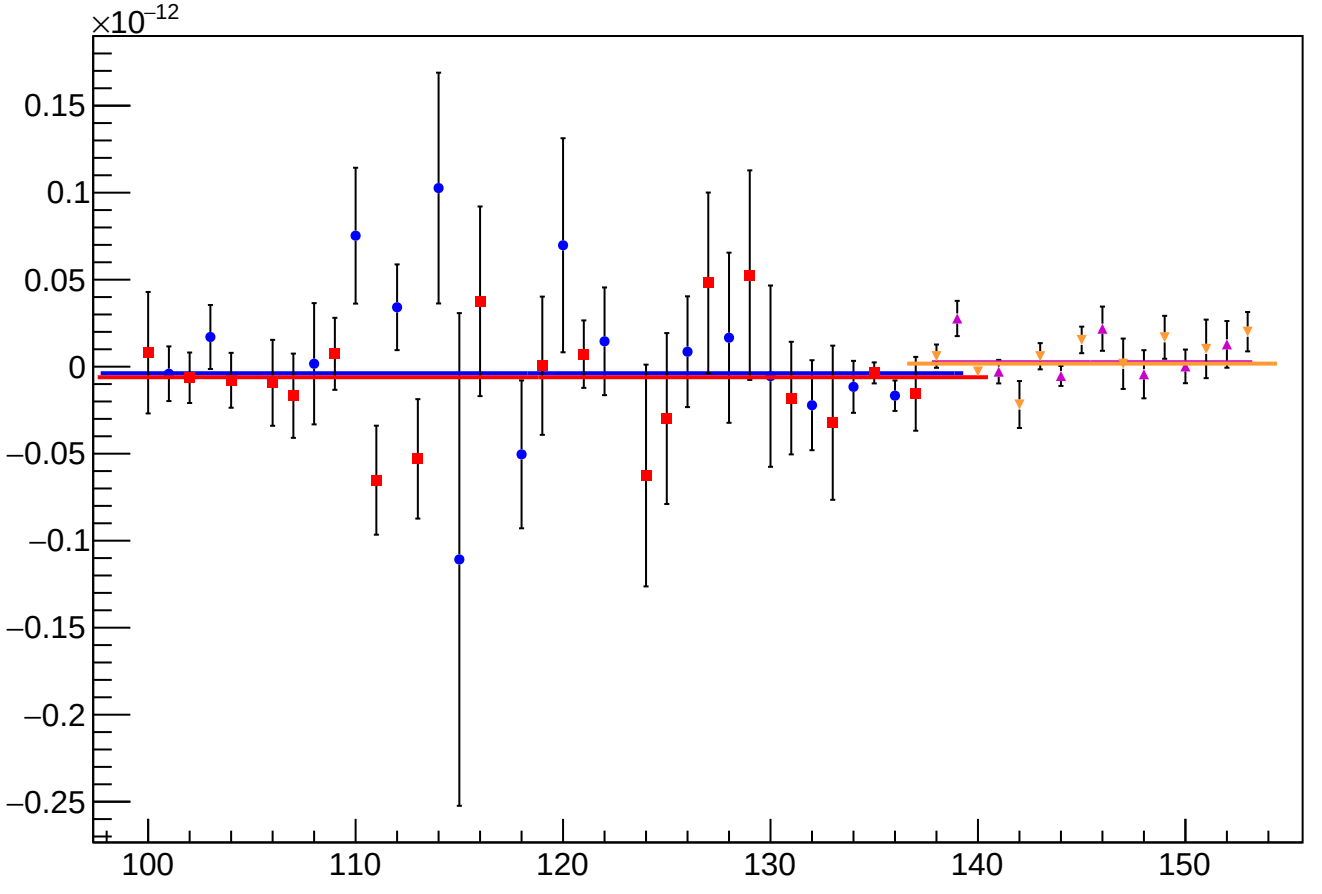
Left In: 24.585+/-0.007 χ^2/NDF:590437.9/6

+ sign 22.832+/-0.005 χ^2/NDF: 2614747.4/24

All: 22.757+/-0.003 χ^2/NDF: 4631937.7/50

- sign 22.681+/-0.005 χ^2/NDF: 2016660.2/25

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/8

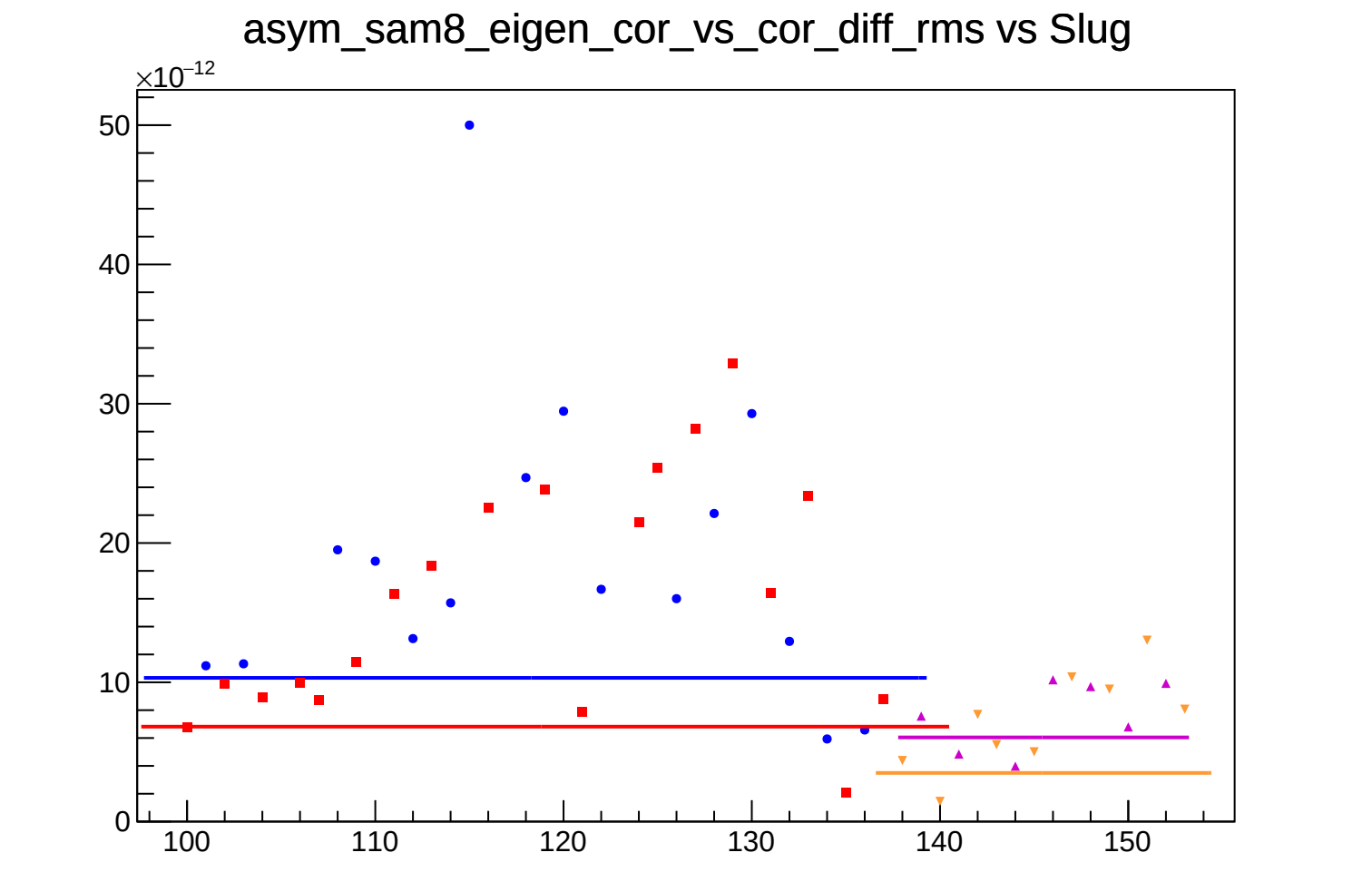
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/6

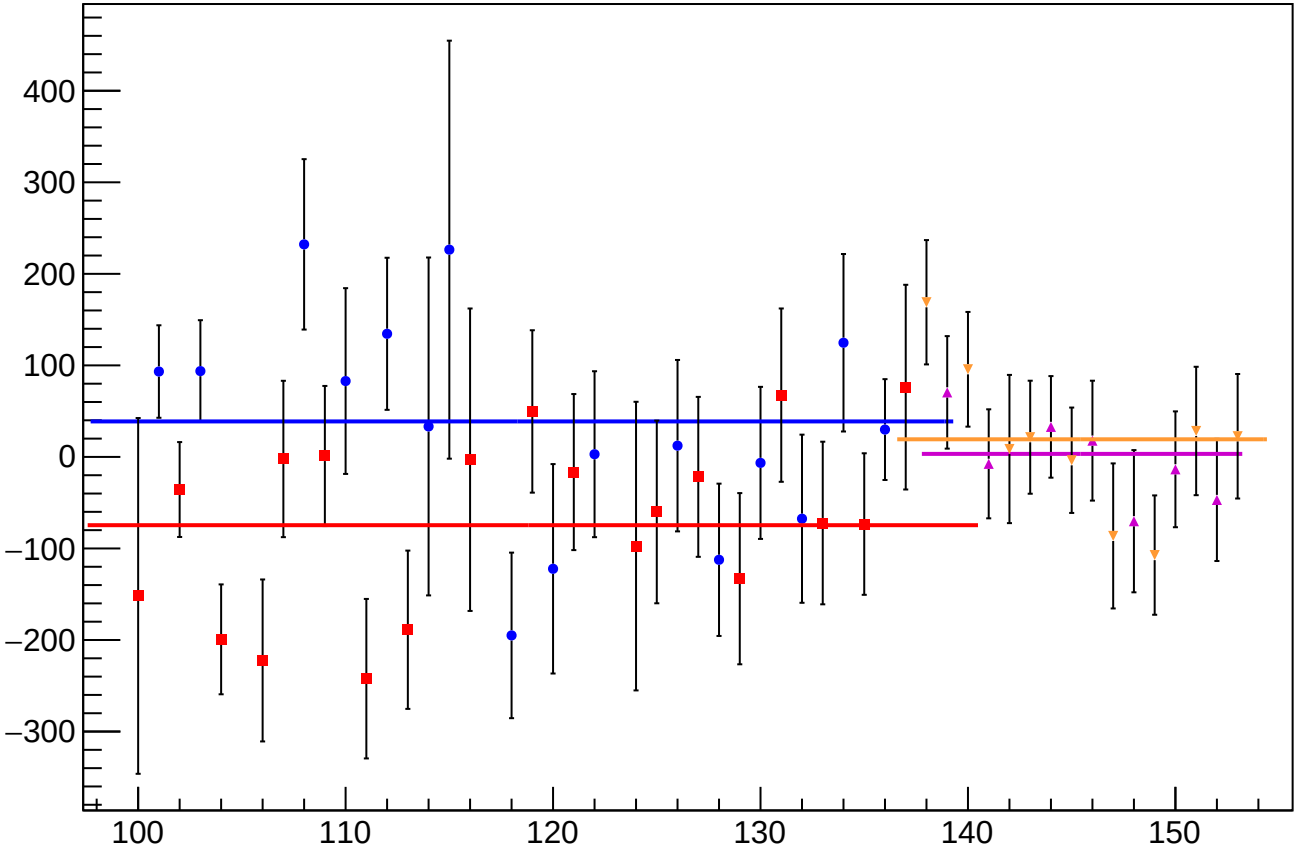
+ sign 0.000+/-0.000 χ^2/NDF: 31.9/24

All: 0.000+/-0.000 χ^2/NDF: 57.8/50

- sign -0.000+/-0.000 χ^2/NDF: 25.7/25


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3356207.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:899825.8/6
+ sign 0.000+/-0.000 χ²/NDF: 7962826.0/24
All: 0.000+/-0.000 χ²/NDF: 13564989.7/50
- sign 0.000+/-0.000 χ²/NDF: 4961593.8/25

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.253+/-22.347 χ^2/NDF:12.1/8

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

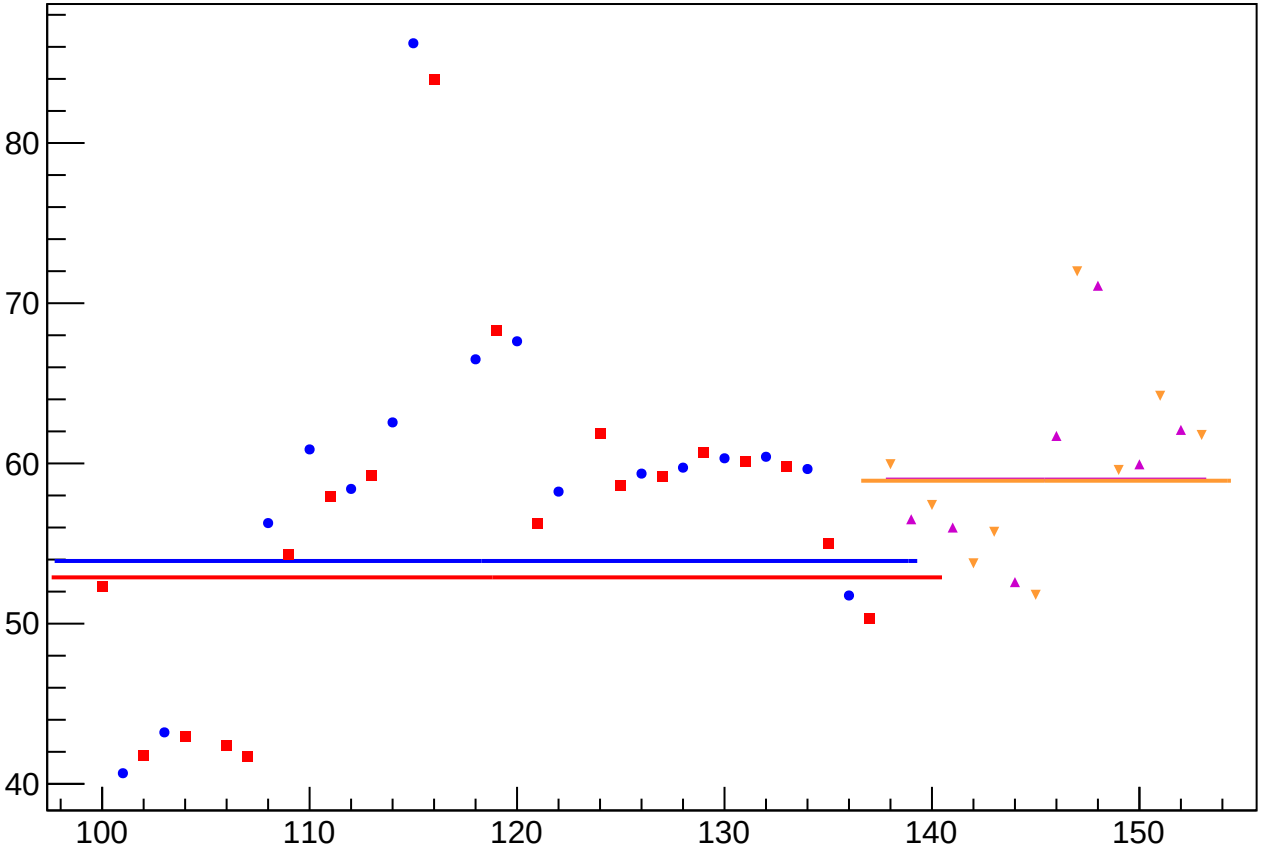
Left In: 3.311+/-23.941 χ^2/NDF:3.1/6

+ sign 29.899+/-15.072 χ^2/NDF: 35.8/24

All: -6.071+/-10.723 χ^2/NDF: 79.2/50

- sign -42.938+/-15.259 χ^2/NDF: 31.8/25

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 58.921+/-0.016 χ^2/NDF:115260.7/8

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

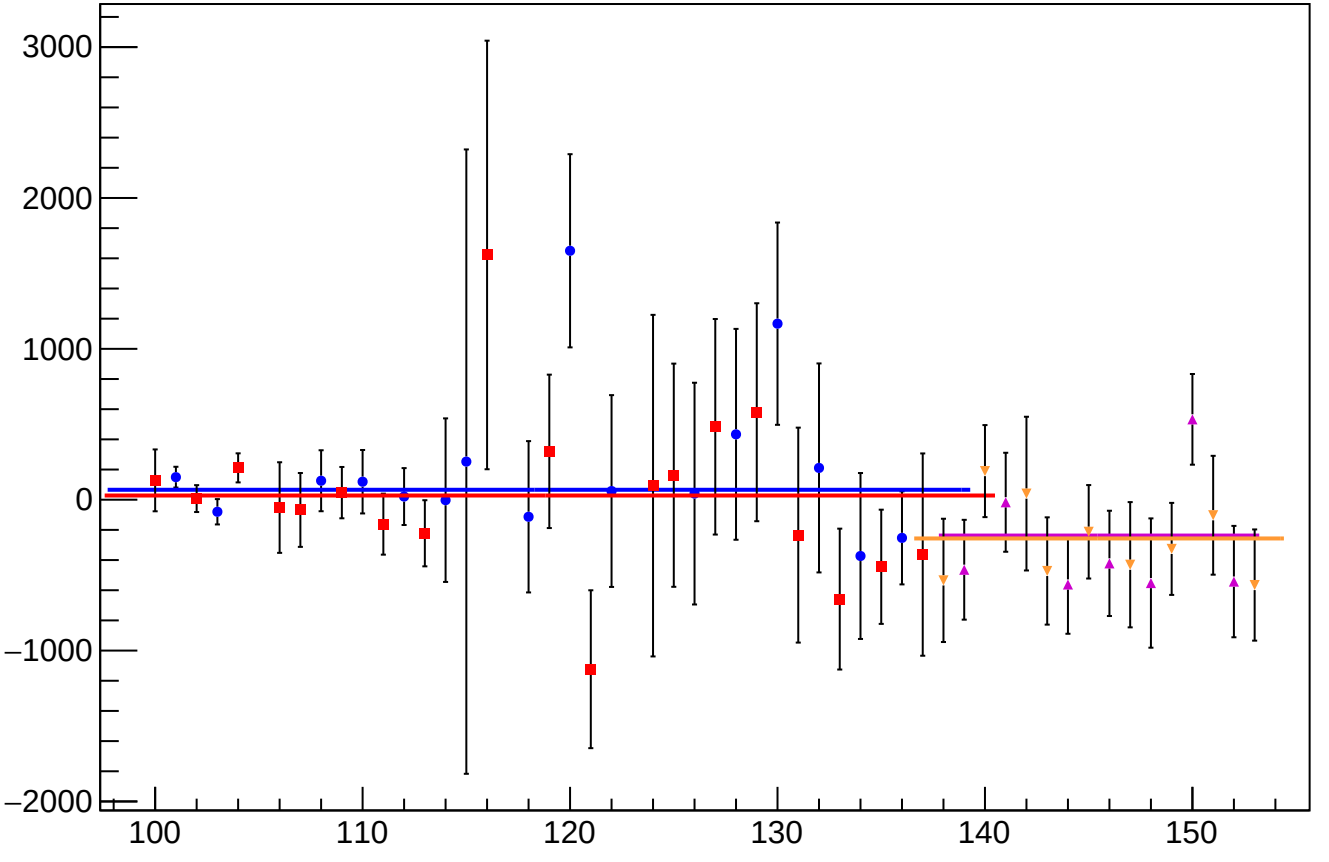
Left In: 58.991+/-0.017 χ^2/NDF:91645.4/6

+ sign 56.191+/-0.011 χ^2/NDF: 563294.2/24

All: 55.784+/-0.008 χ^2/NDF: 1160250.2/50

- sign 55.368+/-0.011 χ^2/NDF: 594011.0/25

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -256.837+/-120.138 χ^2/NDF:4.4/8

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

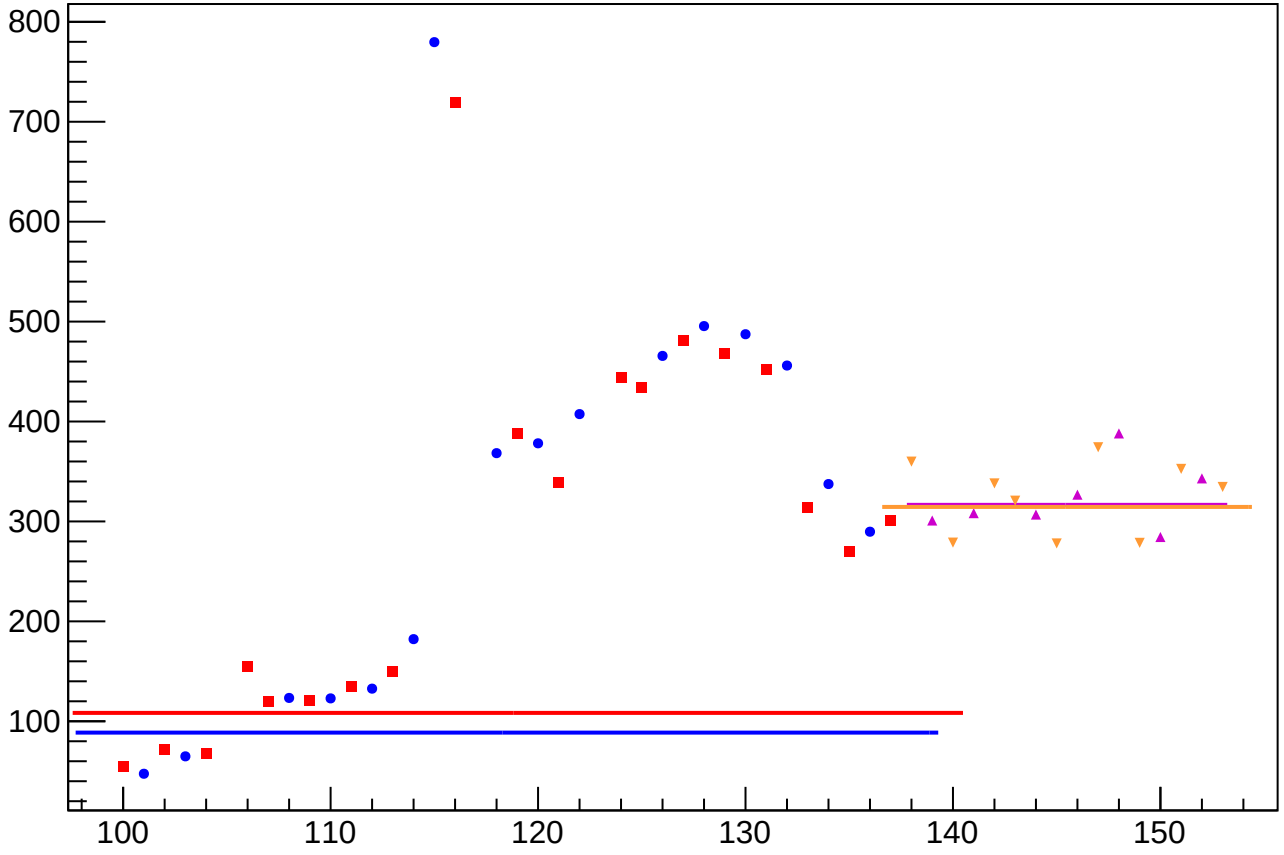
Left In: -237.601+/-129.250 χ^2/NDF:10.0/6

+ sign 23.843+/-43.348 χ^2/NDF: 26.4/24

All: 9.598+/-31.823 χ^2/NDF: 58.3/50

- sign -7.055+/-46.868 χ^2/NDF: 31.6/25

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 314.514+/-0.085 χ^2/NDF:178504.3/8

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

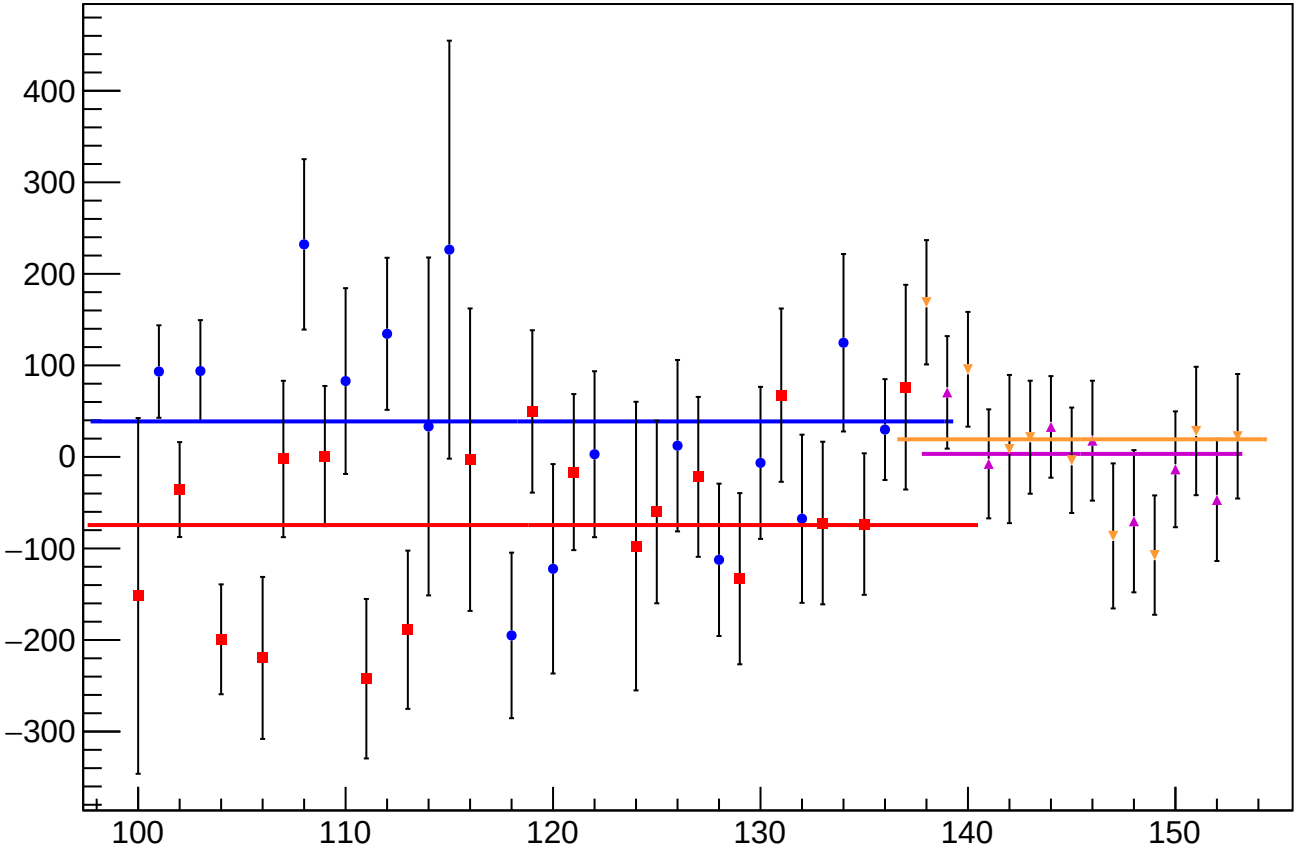
Left In: 316.595+/-0.091 χ^2/NDF:98102.3/6

+ sign 118.061+/-0.031 χ^2/NDF: 12974926.1/24

All: 126.222+/-0.023 χ^2/NDF: 23097248.5/50

- sign 135.763+/-0.033 χ^2/NDF: 9968554.9/25

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.256+/-22.347 χ^2/NDF:12.1/8

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

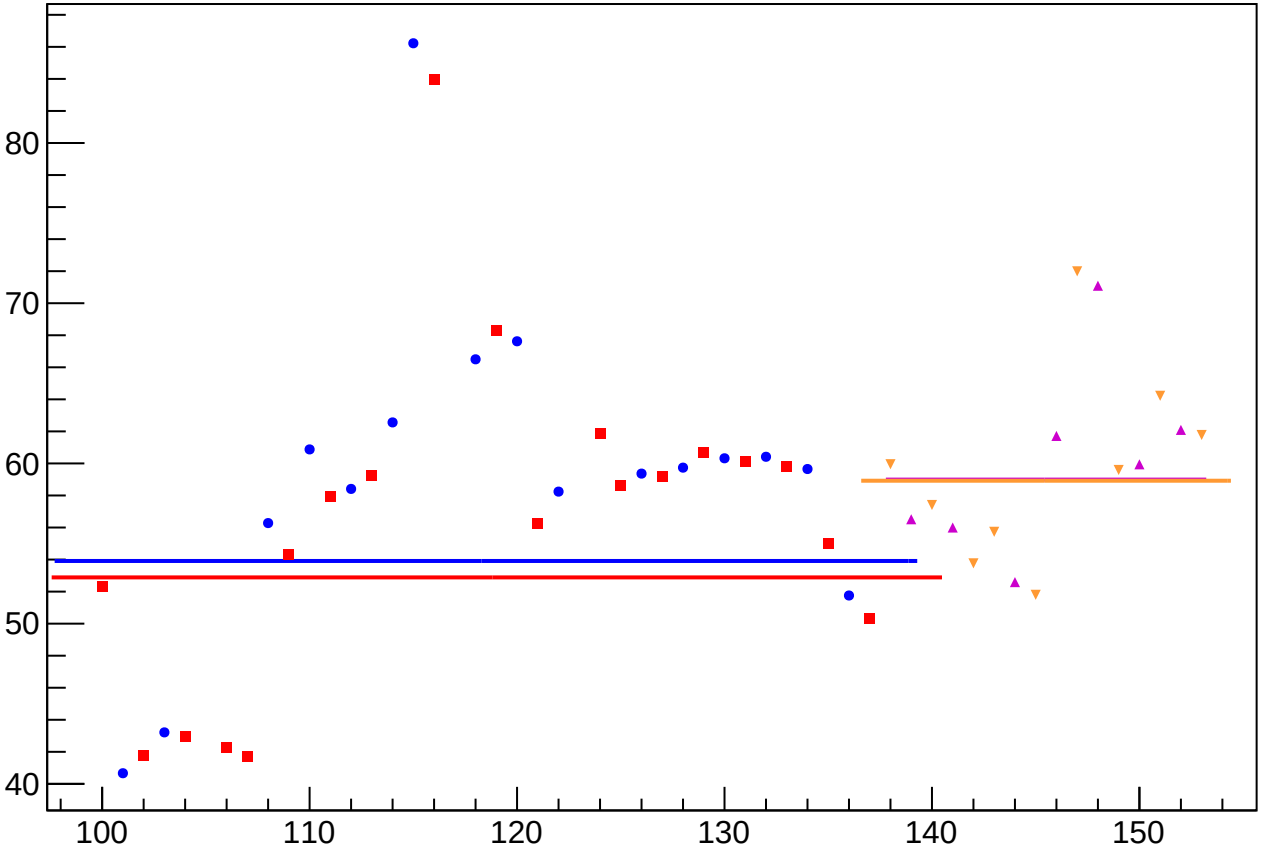
Left In: 3.312+/-23.941 χ^2/NDF:3.1/6

+ sign 29.907+/-15.072 χ^2/NDF: 35.8/24

All: -6.024+/-10.723 χ^2/NDF: 79.0/50

- sign -42.854+/-15.259 χ^2/NDF: 31.7/25

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.921+/-0.016 χ^2/NDF:115260.7/8

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

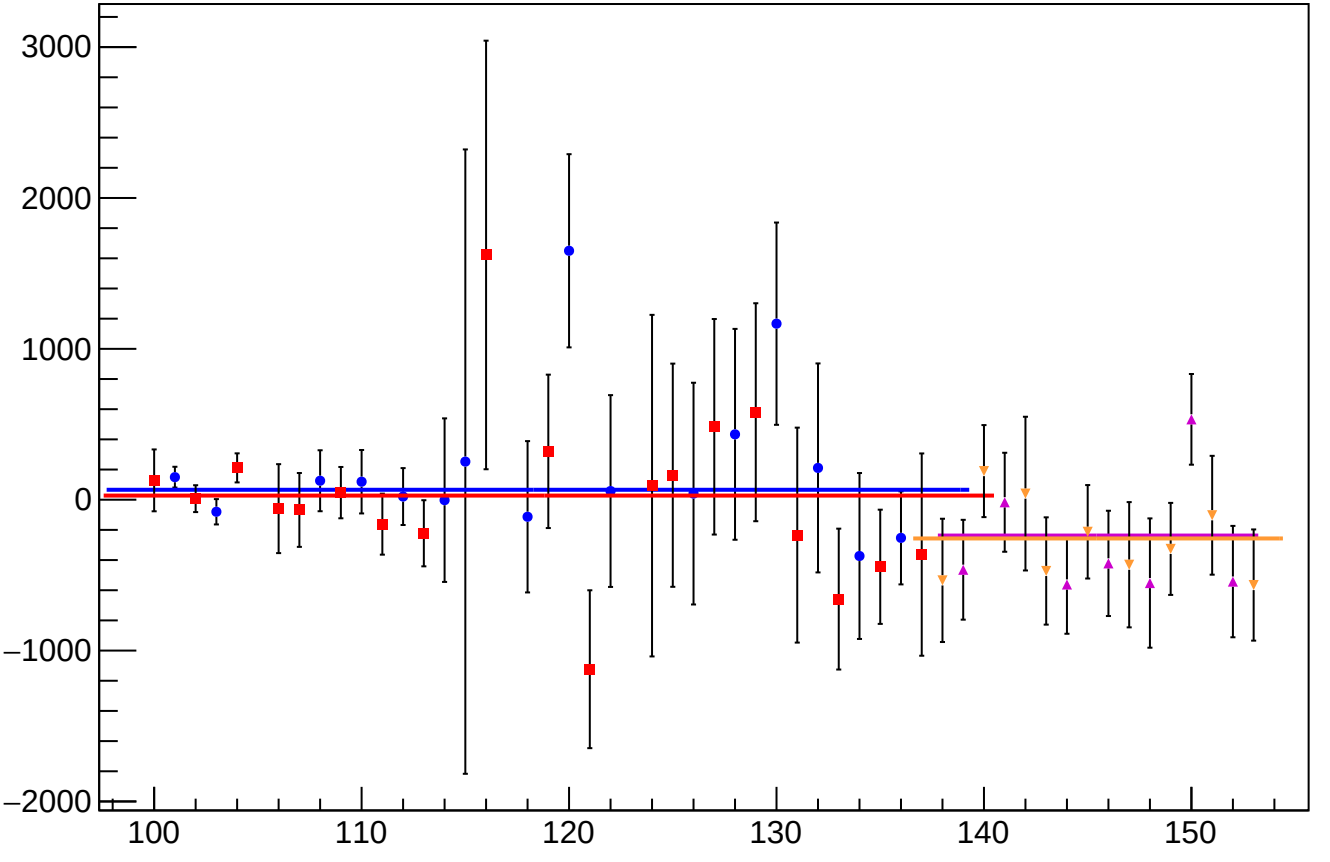
Left In: 58.991+/-0.017 χ^2/NDF:91645.4/6

+ sign 56.191+/-0.011 χ^2/NDF: 563293.4/24

All: 55.784+/-0.008 χ^2/NDF: 1160617.2/50

- sign 55.366+/-0.011 χ^2/NDF: 594370.8/25

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -256.836+/-120.138 χ^2/NDF:4.4/8

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

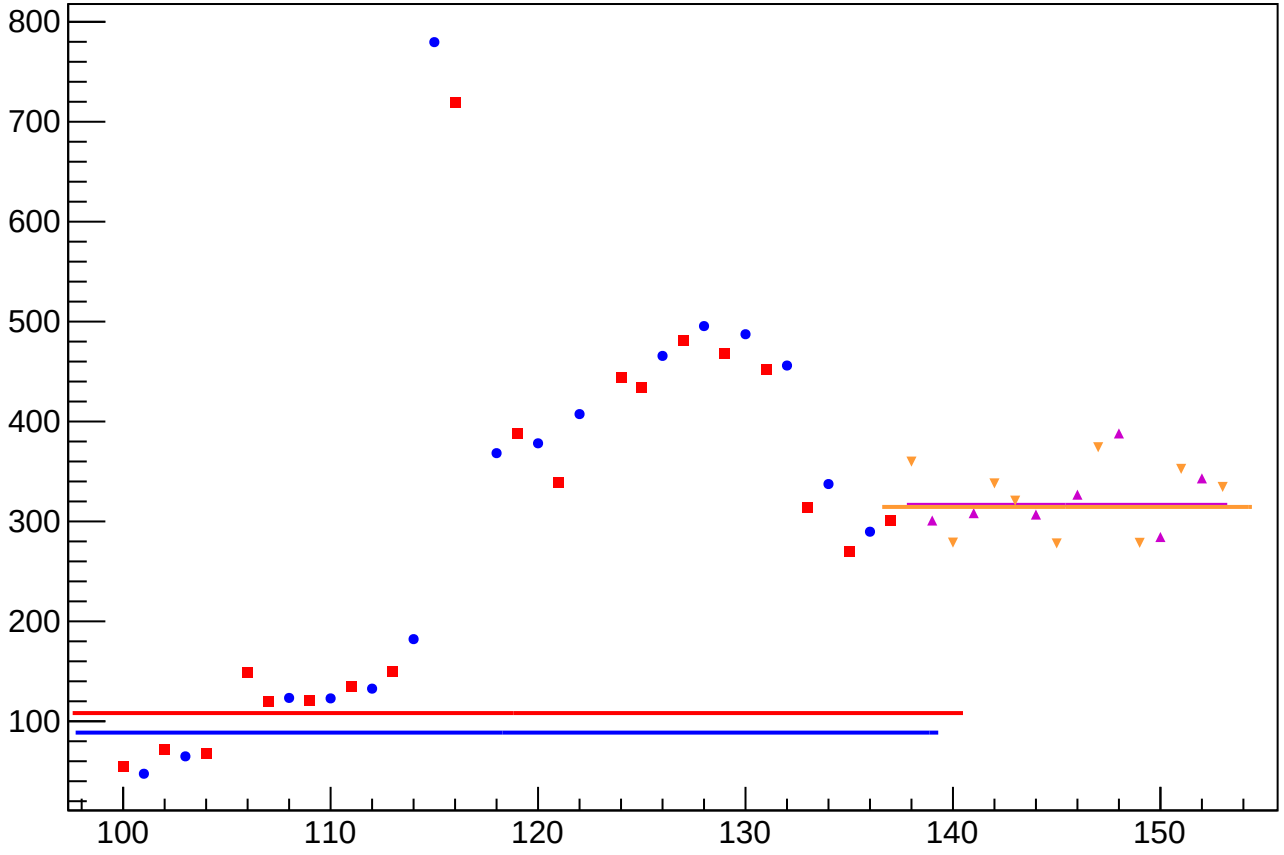
Left In: -237.599+/-129.250 χ^2/NDF:10.0/6

+ sign 23.848+/-43.347 χ^2/NDF: 26.4/24

All: 9.436+/-31.812 χ^2/NDF: 58.3/50

- sign -7.389+/-46.834 χ^2/NDF: 31.6/25

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 314.514+/-0.085 χ^2/NDF:178504.0/8

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

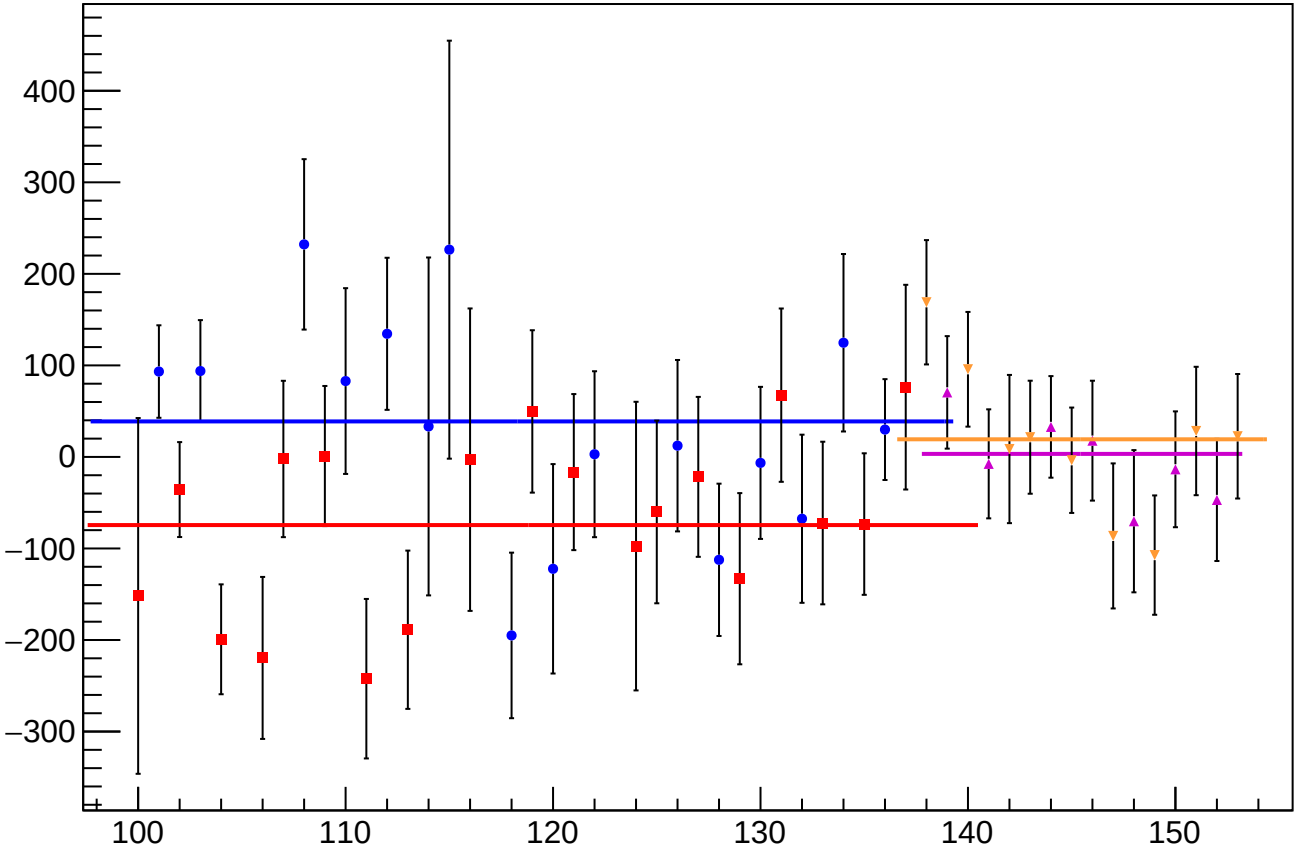
Left In: 316.595+/-0.091 χ^2/NDF:98103.7/6

+ sign 118.058+/-0.031 χ^2/NDF: 12975178.8/24

All: 126.137+/-0.022 χ^2/NDF: 23095066.1/50

- sign 135.568+/-0.033 χ^2/NDF: 9969318.9/25

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.256+/-22.347 χ^2/NDF:12.1/8

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

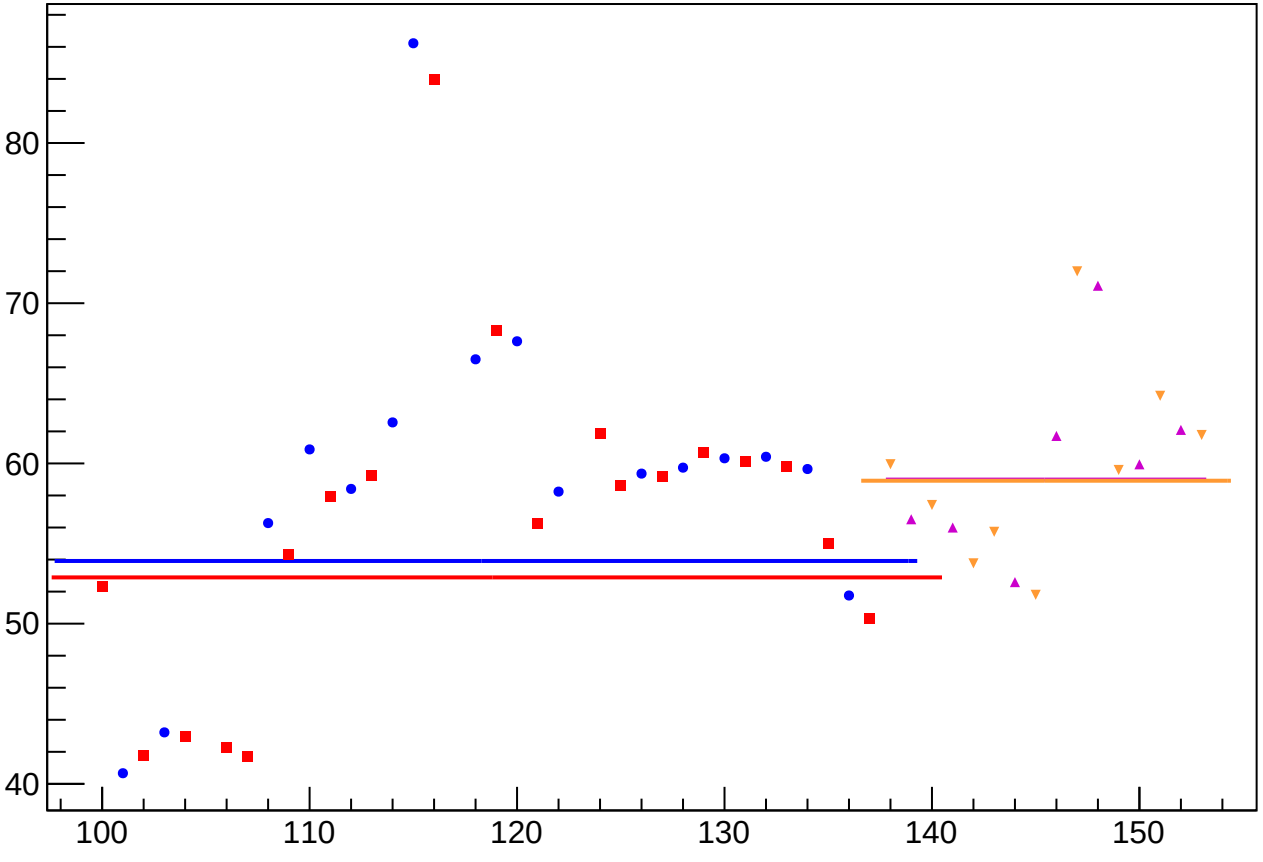
Left In: 3.312+/-23.941 χ^2/NDF:3.1/6

+ sign 29.907+/-15.072 χ^2/NDF: 35.8/24

All: -6.024+/-10.723 χ^2/NDF: 79.0/50

- sign -42.854+/-15.259 χ^2/NDF: 31.7/25

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.921+/-0.016 χ^2/NDF:115260.7/8

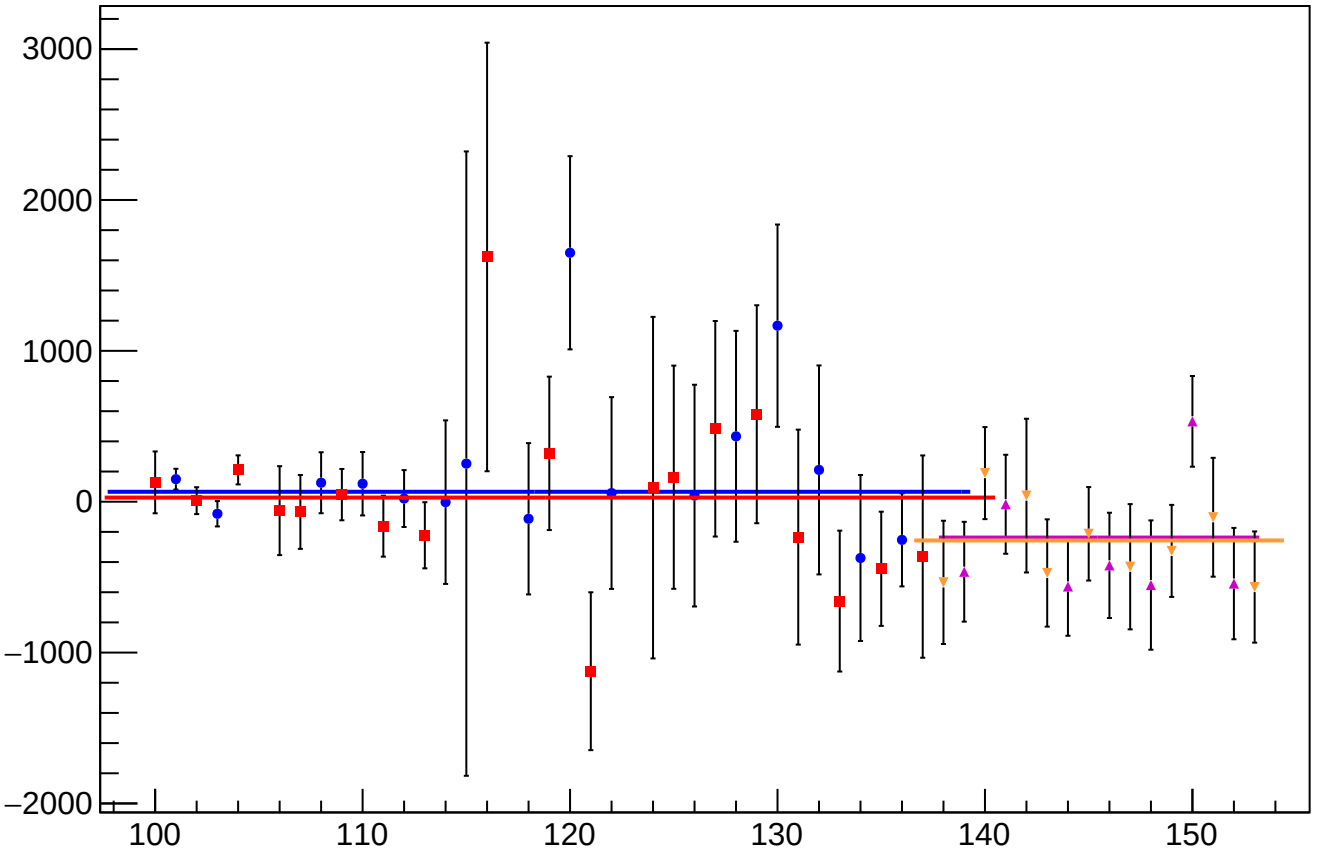
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 58.991+/-0.017 χ^2/NDF:91645.4/6

+ sign 56.191+/-0.011 χ^2/NDF: 563293.4/24

All: 55.784+/-0.008 χ^2/NDF: 1160617.2/50

- sign 55.366+/-0.011 χ^2/NDF: 594370.8/25



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -256.836+/-120.138 χ^2/NDF:4.4/8

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

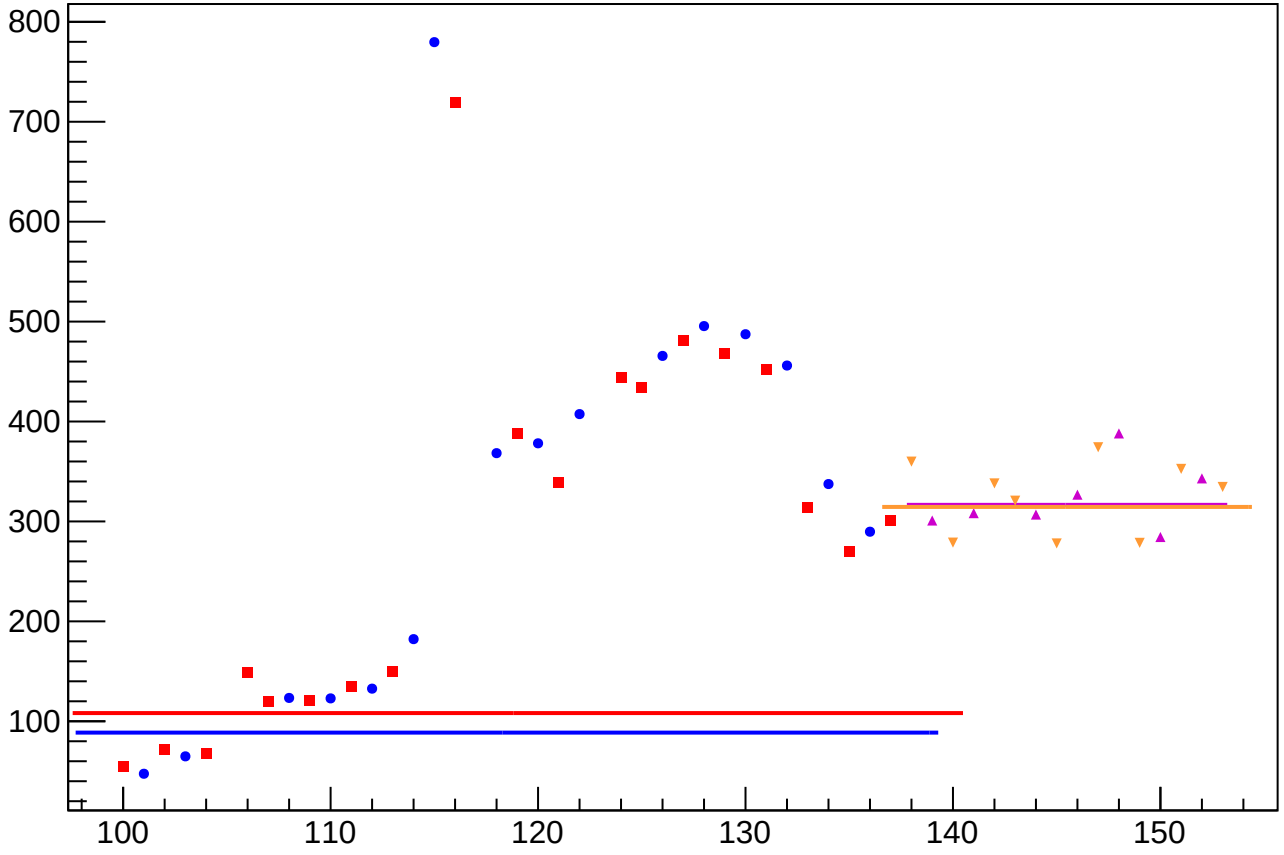
Left In: -237.599+/-129.250 χ^2/NDF:10.0/6

+ sign 23.848+/-43.347 χ^2/NDF: 26.4/24

All: 9.436+/-31.812 χ^2/NDF: 58.3/50

- sign -7.389+/-46.834 χ^2/NDF: 31.6/25

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 314.514+/-0.085 χ^2/NDF:178504.0/8

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

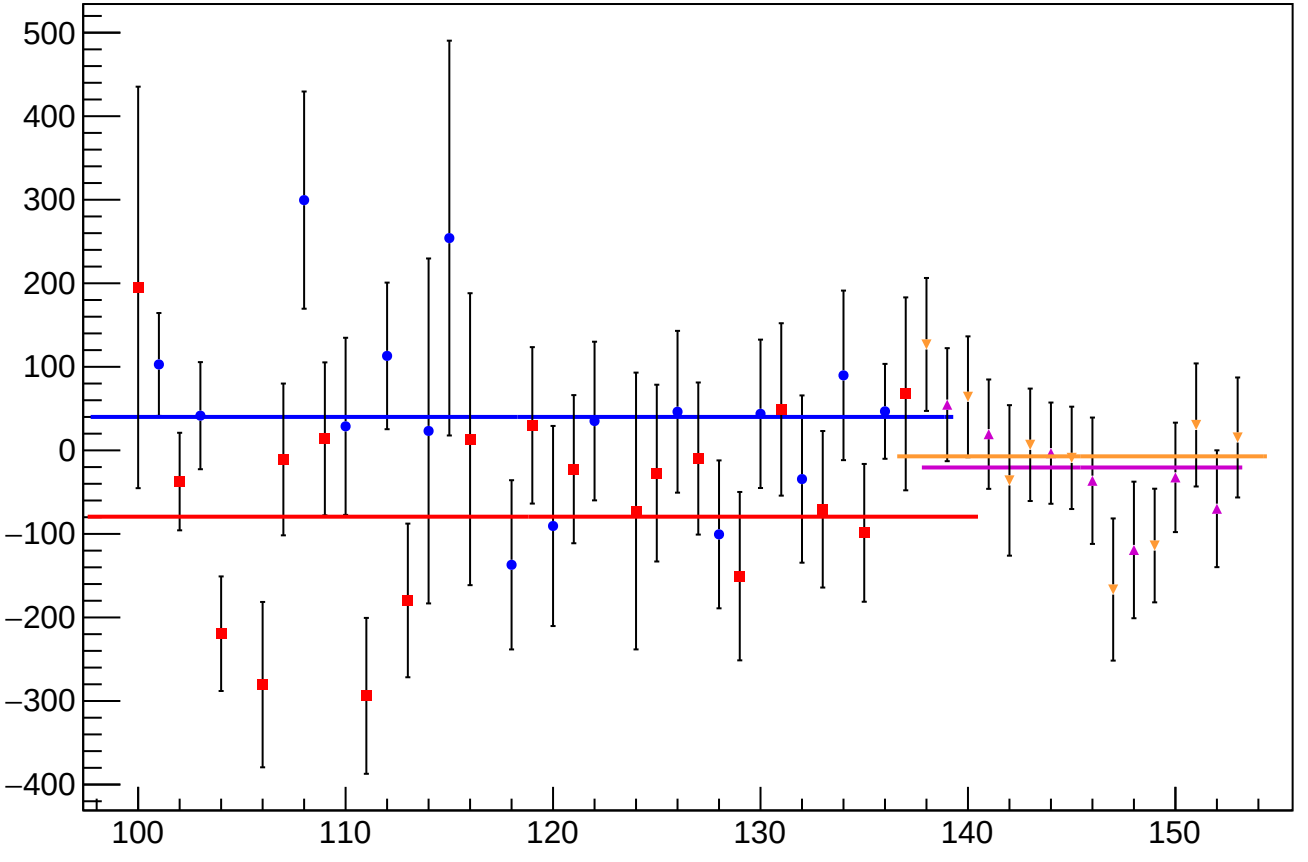
Left In: 316.595+/-0.091 χ^2/NDF:98103.7/6

+ sign 118.058+/-0.031 χ^2/NDF: 12975178.8/24

All: 126.137+/-0.022 χ^2/NDF: 23095066.1/50

- sign 135.568+/-0.033 χ^2/NDF: 9969318.9/25

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -7.141+/-24.310 χ^2/NDF:10.3/8

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

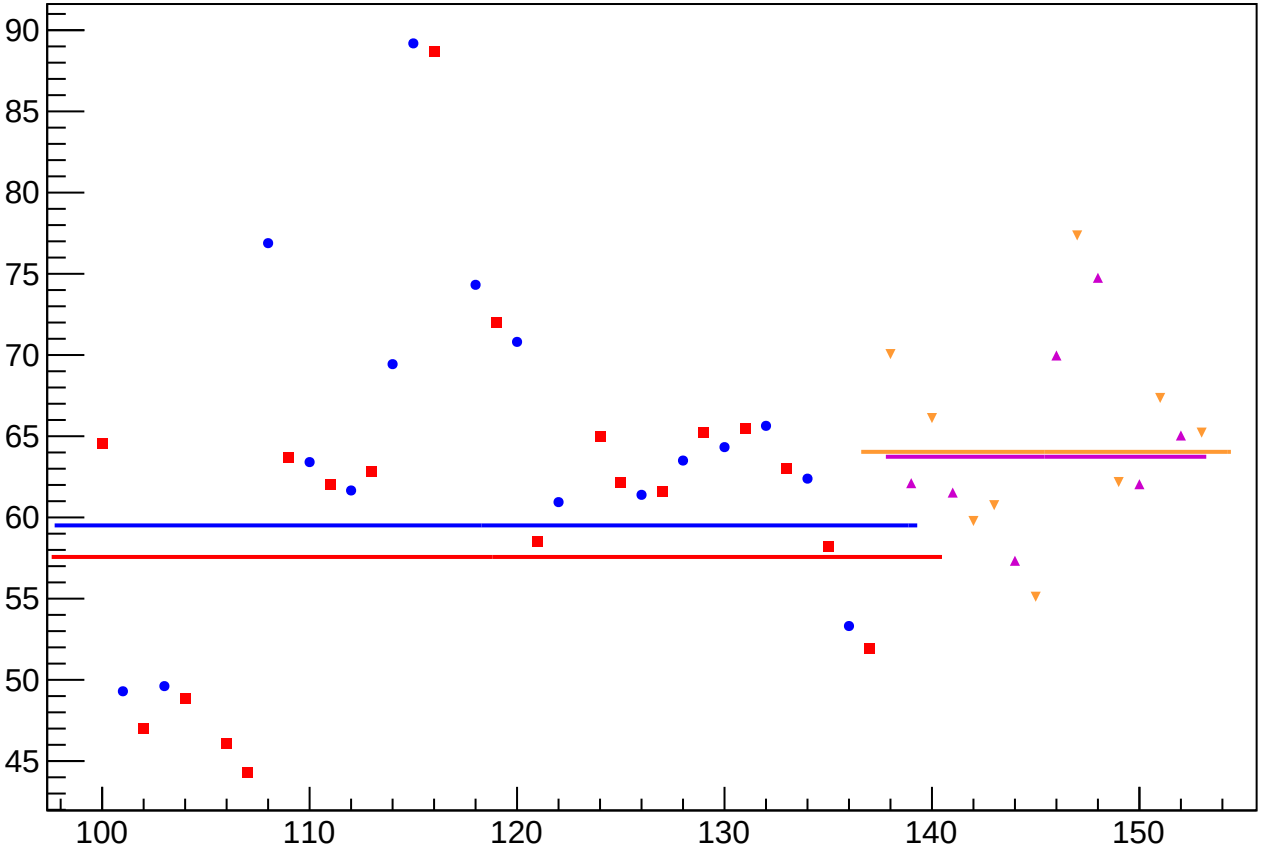
Left In: -20.480+/-25.937 χ^2/NDF:3.7/6

+ sign 18.250+/-16.518 χ^2/NDF: 26.4/24

All: -18.366+/-11.705 χ^2/NDF: 67.9/50

- sign -55.288+/-16.588 χ^2/NDF: 31.6/25

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.039+/-0.017 χ^2/NDF:119877.6/8

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

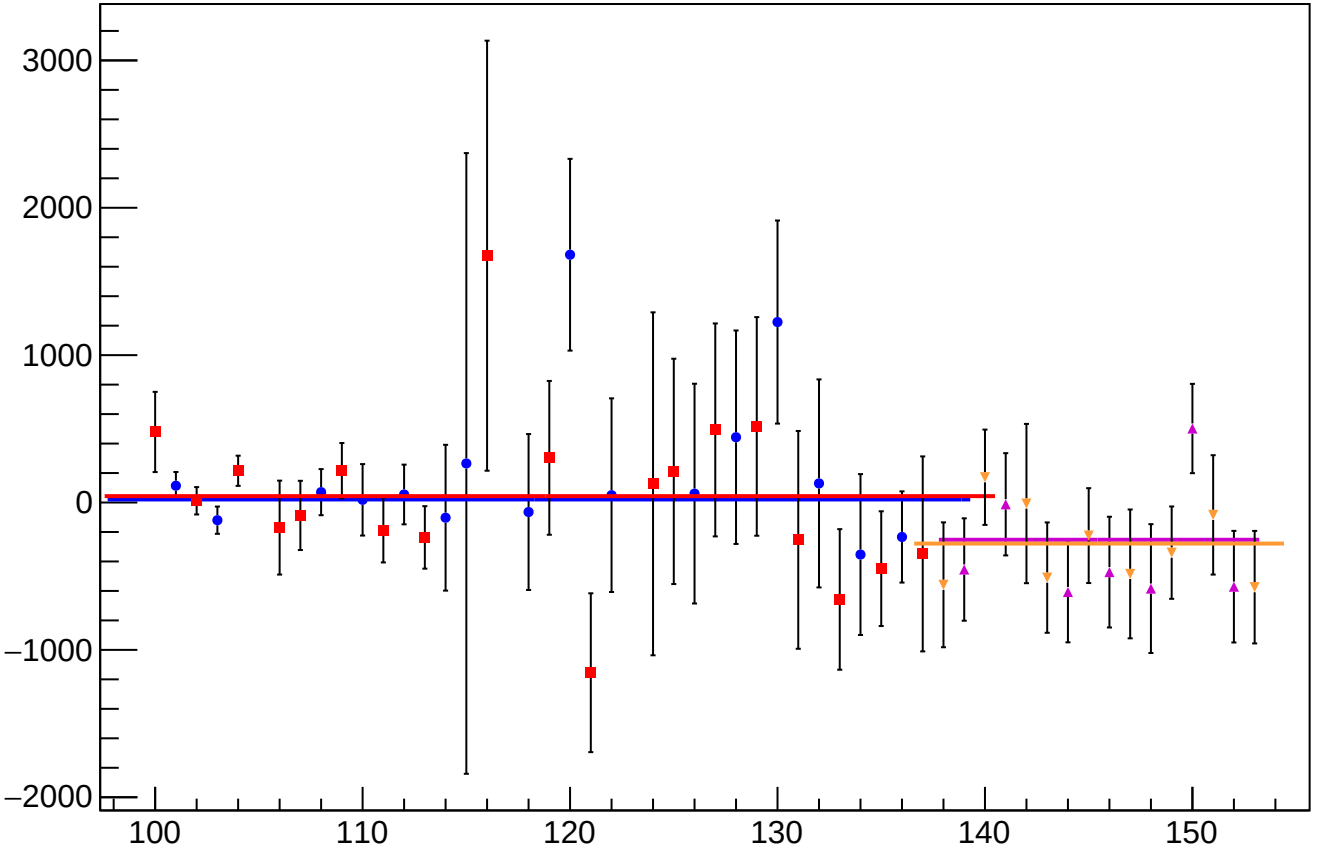
Left In: 63.736+/-0.018 χ^2/NDF:77755.3/6

+ sign 61.600+/-0.012 χ^2/NDF: 440450.6/24

All: 60.848+/-0.008 χ^2/NDF: 940773.1/50

- sign 60.090+/-0.012 χ^2/NDF: 491998.2/25

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -278.573+/-125.267 χ^2/NDF:4.1/8

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

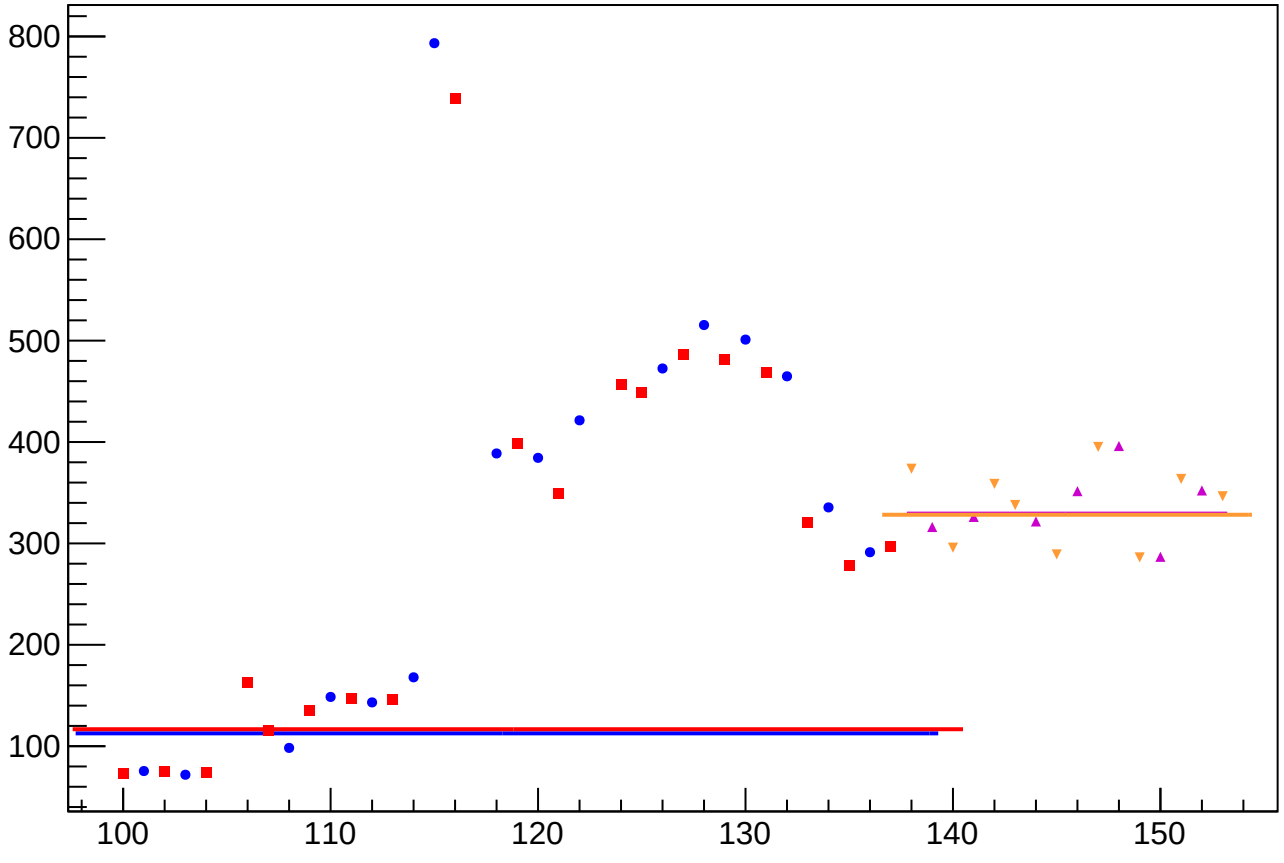
Left In: -252.778+/-134.425 χ^2/NDF:9.7/6

+ sign -25.474+/-49.267 χ^2/NDF: 23.6/24

All: -11.217+/-34.910 χ^2/NDF: 59.2/50

- sign 3.160+/-49.475 χ^2/NDF: 35.4/25

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 328.268+/-0.089 χ^2/NDF:183009.6/8

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

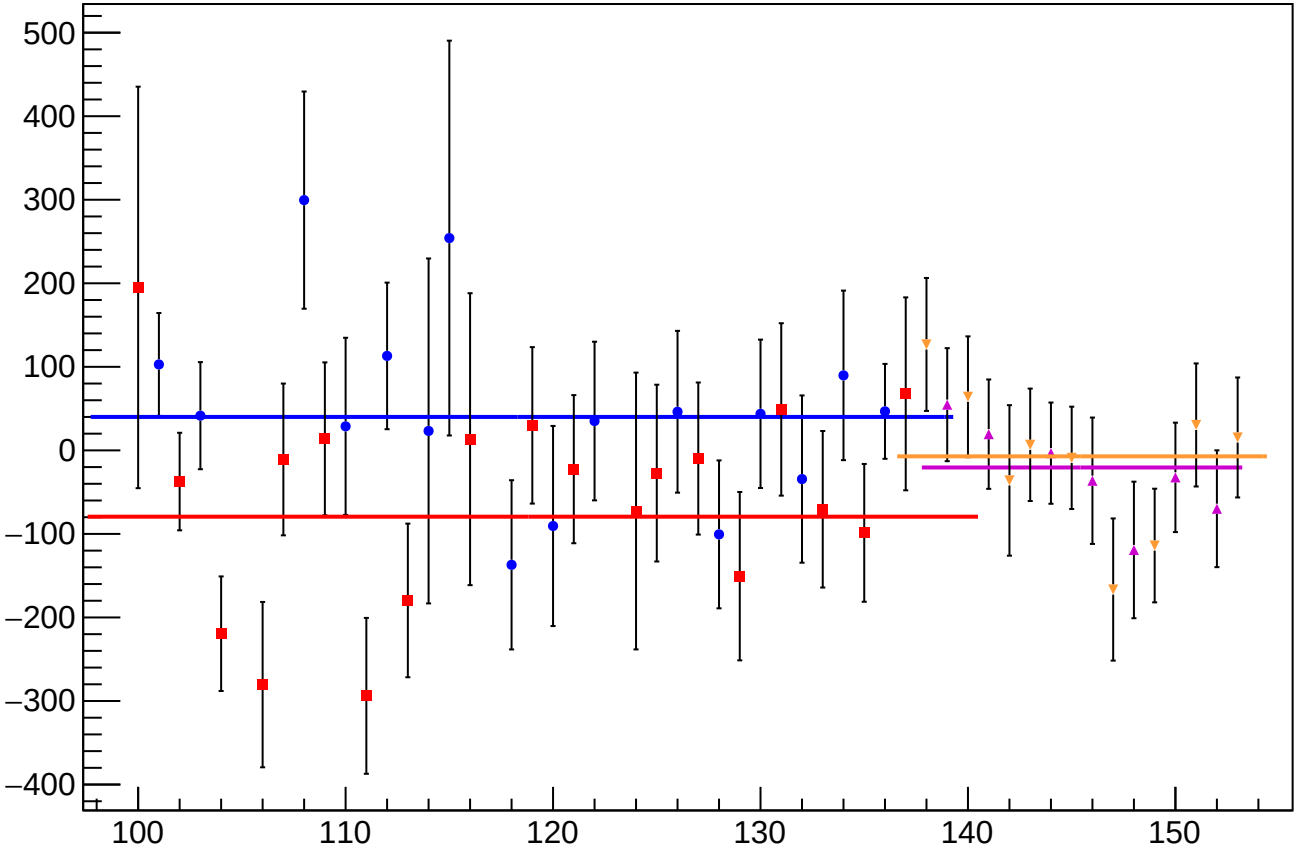
Left In: 329.373+/-0.095 χ^2/NDF:104348.7/6

+ sign 146.017+/-0.035 χ^2/NDF: 10790784.8/24

All: 145.778+/-0.025 χ^2/NDF: 20363202.4/50

- sign 145.537+/-0.035 χ^2/NDF: 9572323.0/25

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -7.141+/-24.310 χ^2/NDF:10.3/8

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

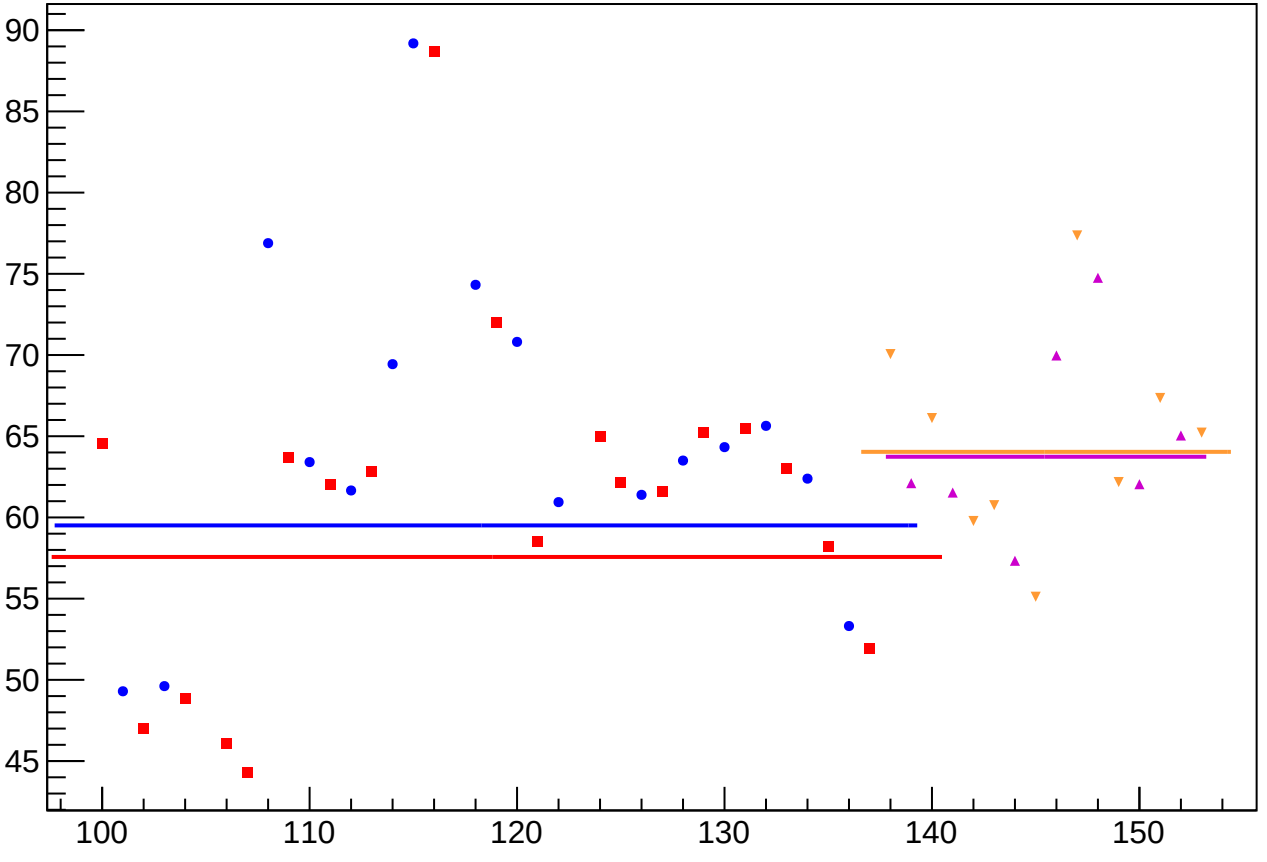
Left In: -20.481+/-25.937 χ^2/NDF:3.7/6

+ sign 18.250+/-16.518 χ^2/NDF: 26.4/24

All: -18.366+/-11.705 χ^2/NDF: 67.9/50

- sign -55.289+/-16.588 χ^2/NDF: 31.6/25

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.039+/-0.017 χ^2/NDF:119881.1/8

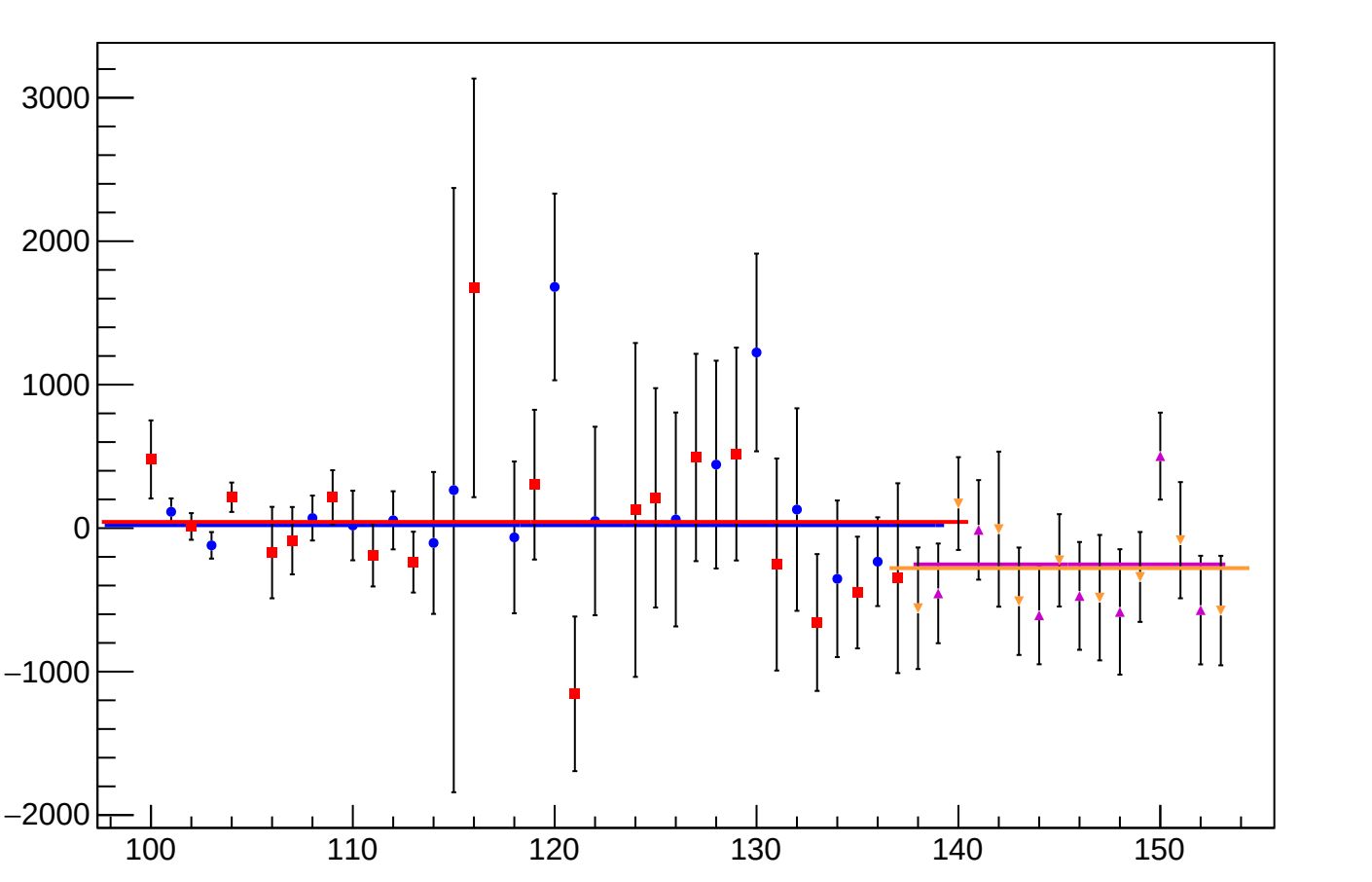
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 63.736+/-0.018 χ^2/NDF:77755.4/6

+ sign 61.600+/-0.012 χ^2/NDF: 440456.2/24

All: 60.848+/-0.008 χ^2/NDF: 940781.5/50

- sign 60.090+/-0.012 χ^2/NDF: 492001.2/25



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -278.573+/-125.267 χ^2/NDF:4.1/8

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

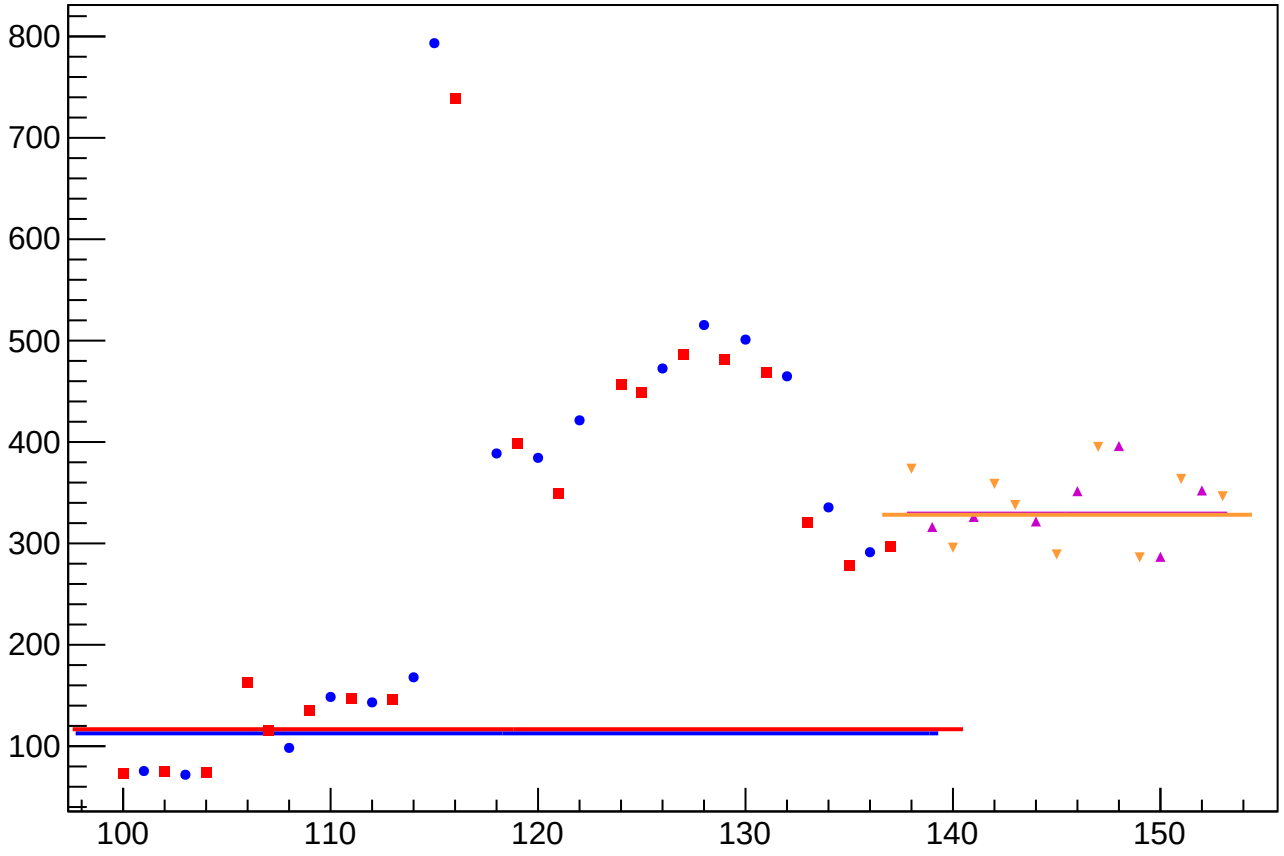
Left In: -252.779+/-134.426 χ^2/NDF:9.7/6

+ sign -25.474+/-49.267 χ^2/NDF: 23.6/24

All: -11.217+/-34.910 χ^2/NDF: 59.2/50

- sign 3.160+/-49.475 χ^2/NDF: 35.4/25

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 328.269+/-0.089 χ^2/NDF:183010.0/8

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

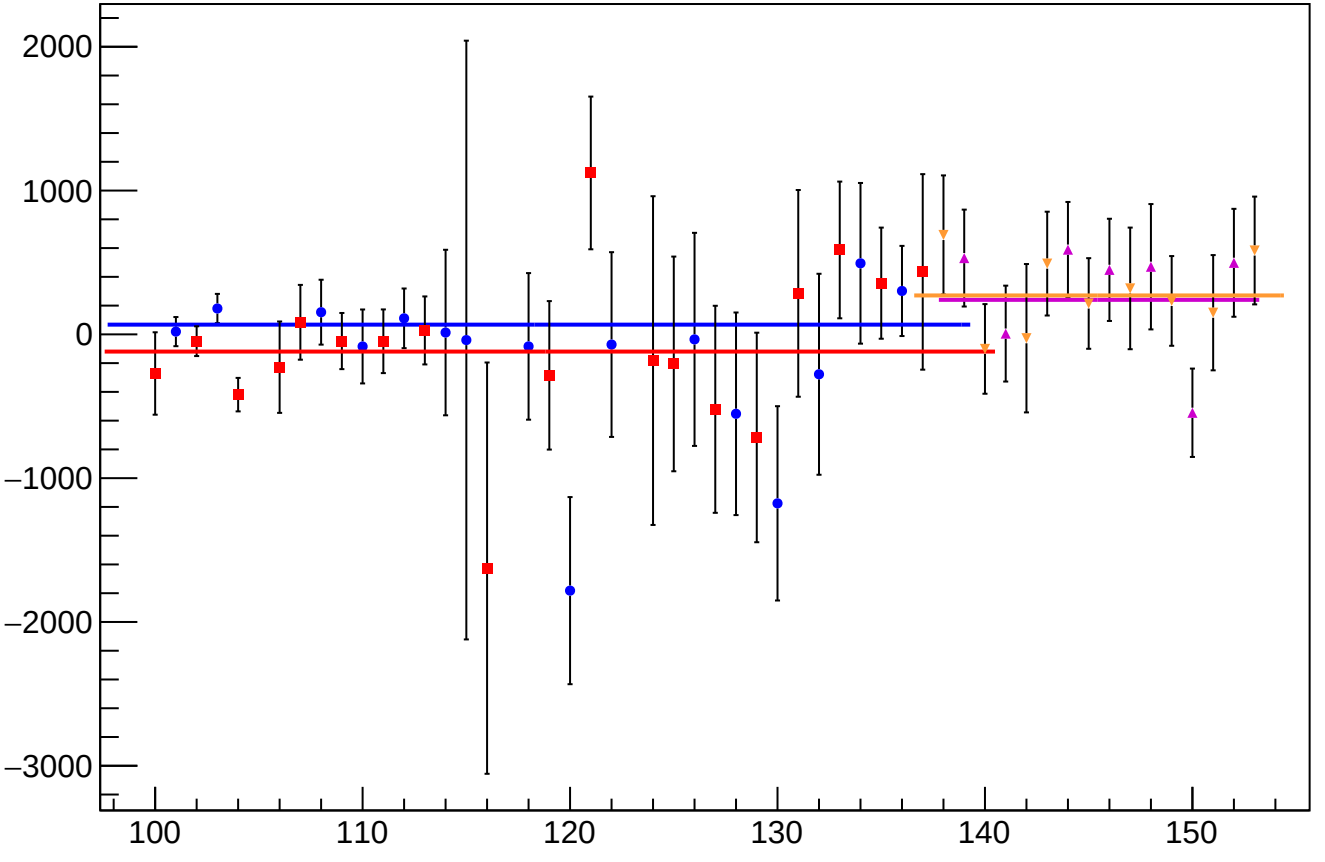
Left In: 329.374+/-0.095 χ^2/NDF:104348.2/6

+ sign 146.017+/-0.035 χ^2/NDF: 10790816.9/24

All: 145.778+/-0.025 χ^2/NDF: 20363272.4/50

- sign 145.537+/-0.035 χ^2/NDF: 9572360.9/25

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 270.673+/-122.315 χ^2/NDF:4.0/8

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

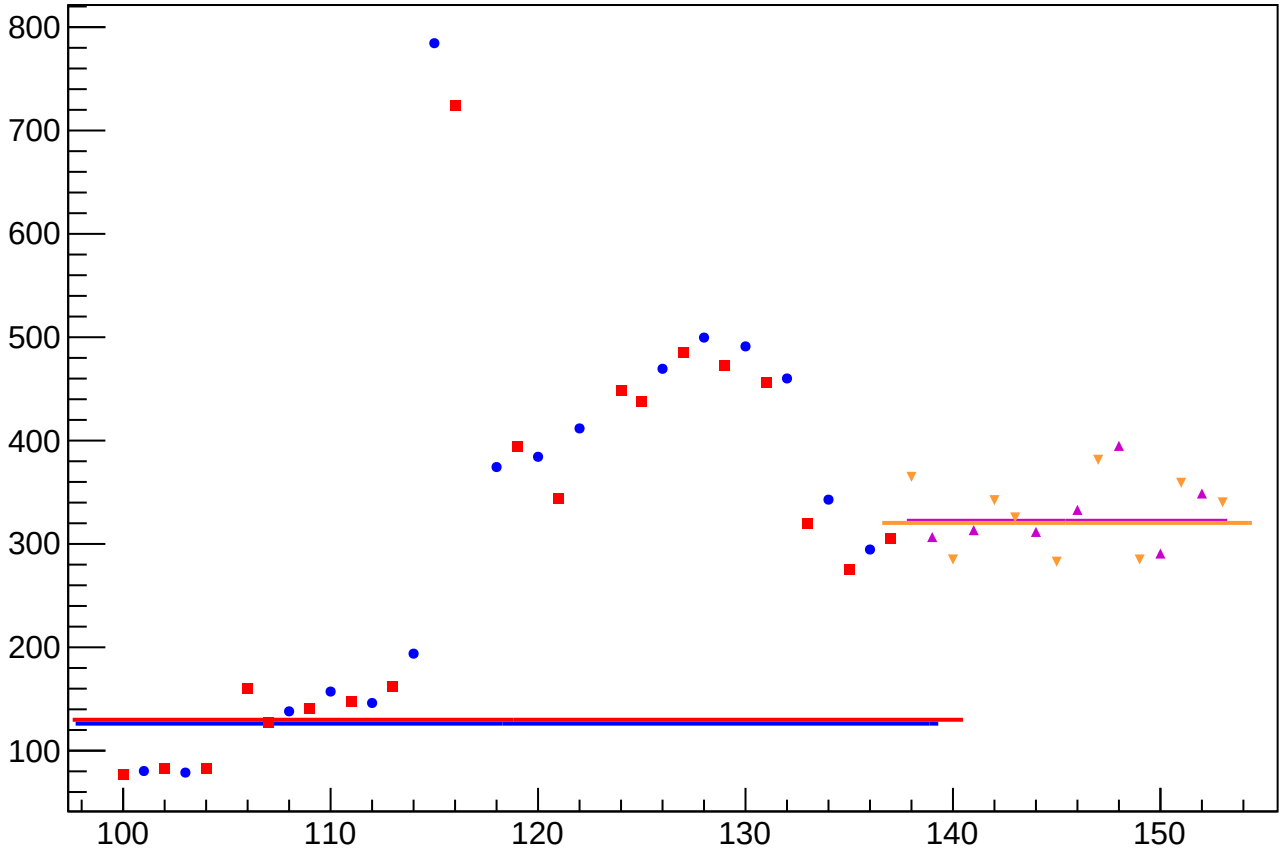
Left In: 240.000+/-131.567 χ^2/NDF:10.0/6

+ sign 106.126+/-53.264 χ^2/NDF: 22.0/24

All: 22.082+/-37.579 χ^2/NDF: 64.3/50

- sign -61.216+/-53.027 χ^2/NDF: 37.4/25

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 320.366+/-0.086 χ^2/NDF:173243.8/8

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

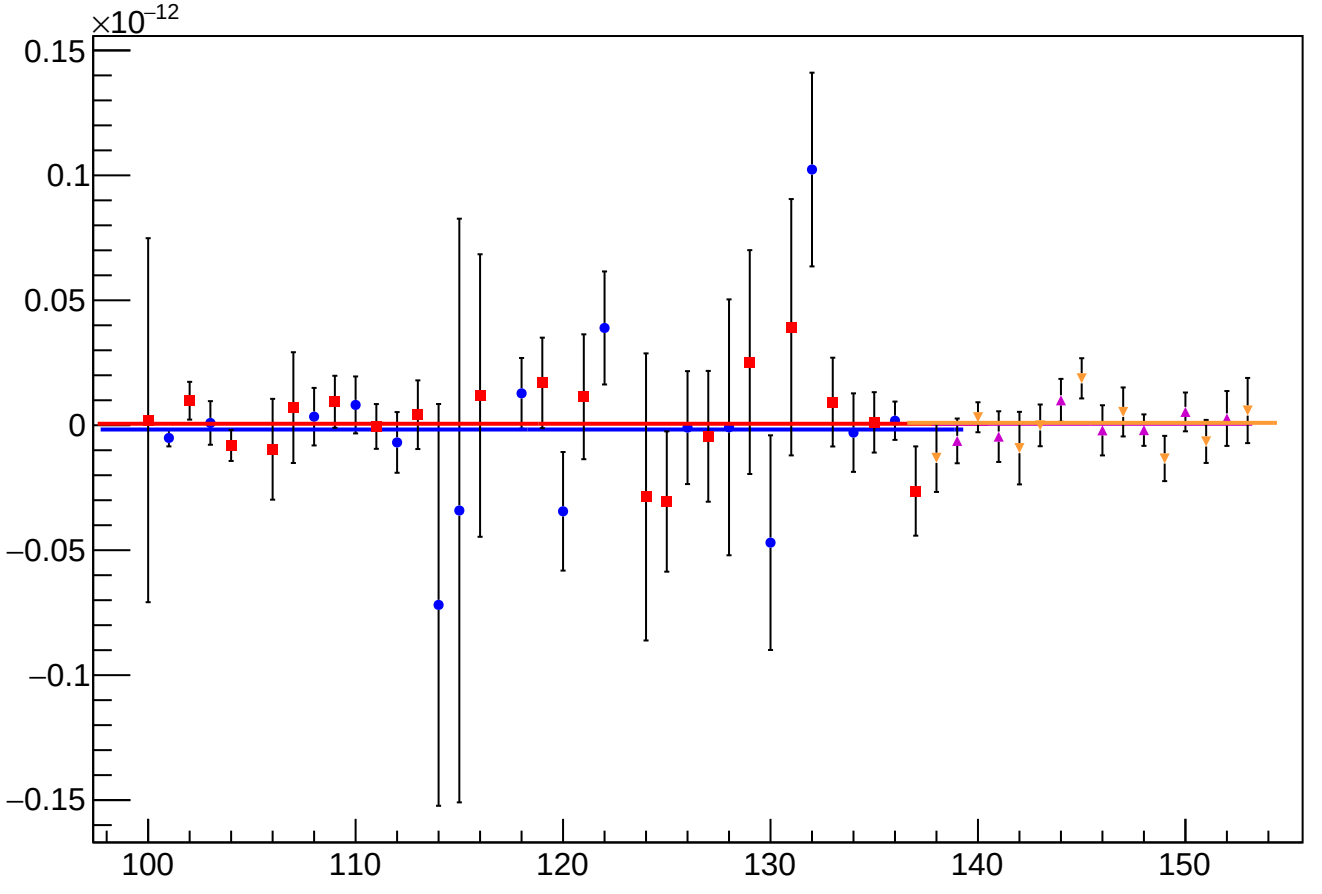
Left In: 322.408+/-0.093 χ^2/NDF:96164.3/6

+ sign 162.982+/-0.038 χ^2/NDF: 9479424.9/24

All: 162.079+/-0.027 χ^2/NDF: 17810173.3/50

- sign 161.183+/-0.037 χ^2/NDF: 8329602.4/25

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/8

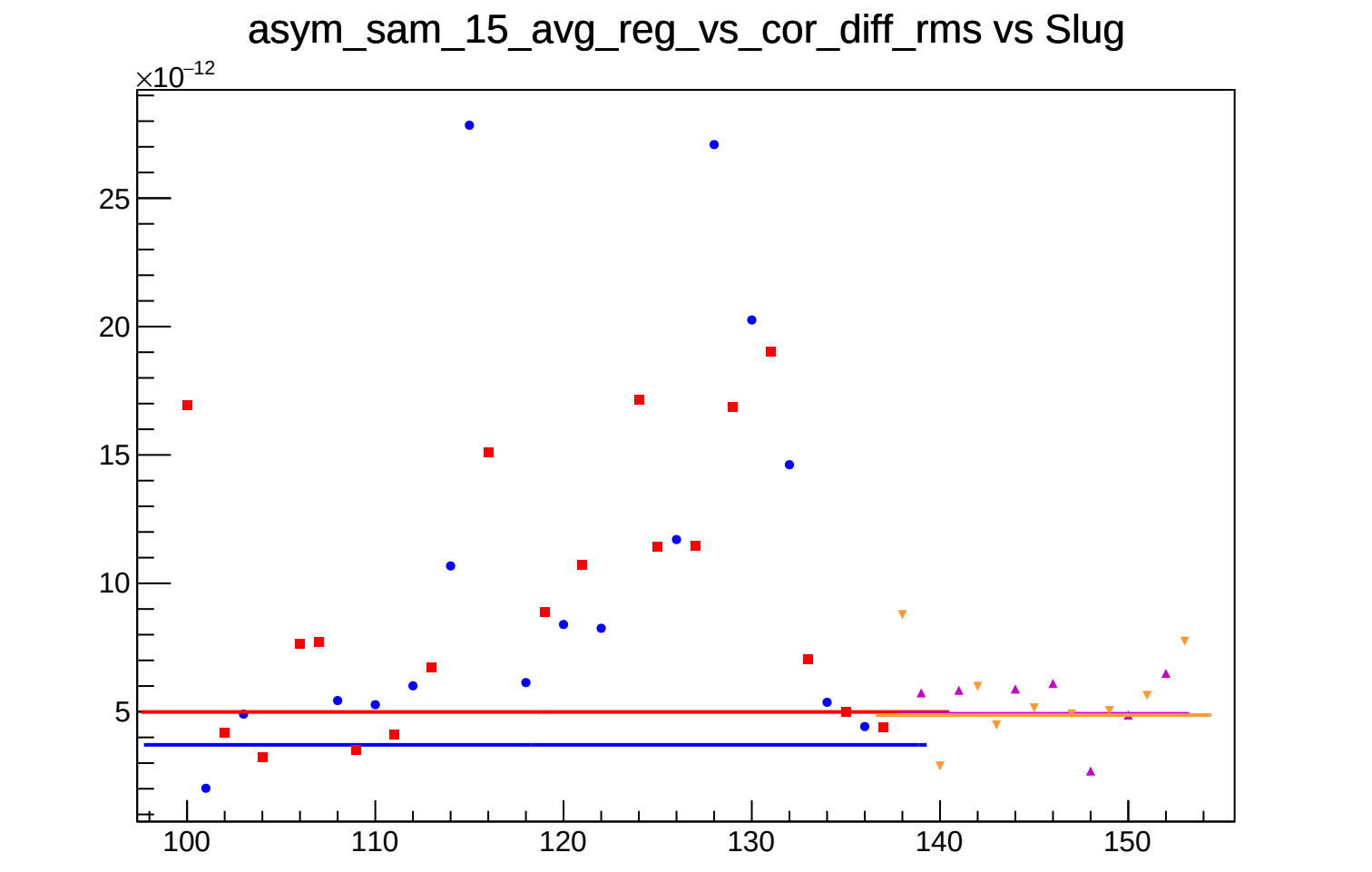
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/6

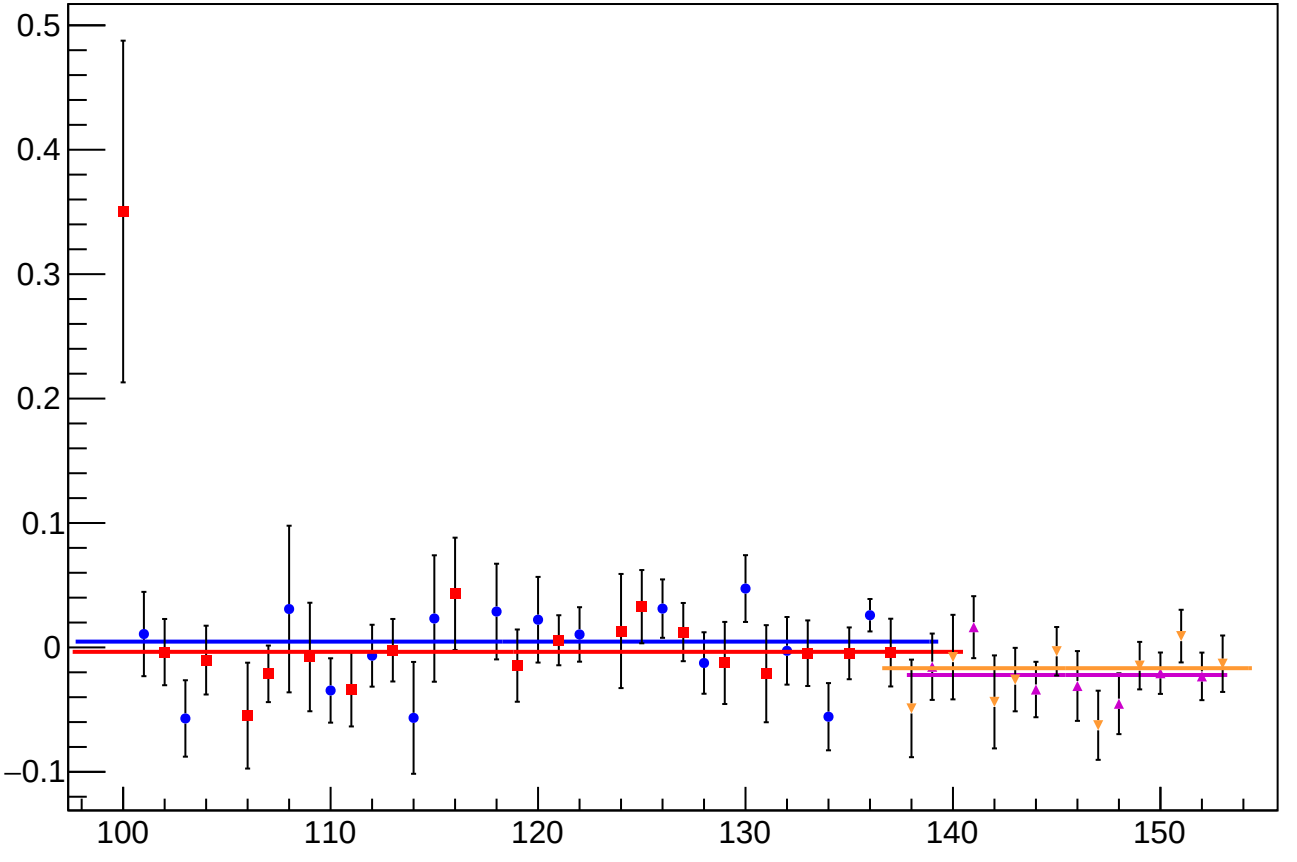
+ sign -0.000+/-0.000 χ^2/NDF: 28.4/24

All: -0.000+/-0.000 χ^2/NDF: 41.8/50

- sign 0.000+/-0.000 χ^2/NDF: 13.2/25


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:514289.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:378304.8/6
+ sign 0.000+/-0.000 χ²/NDF: 2859289.2/24
All: 0.000+/-0.000 χ²/NDF: 4665505.7/50
- sign 0.000+/-0.000 χ²/NDF: 1674157.5/25

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.008 χ^2/NDF:6.1/8

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

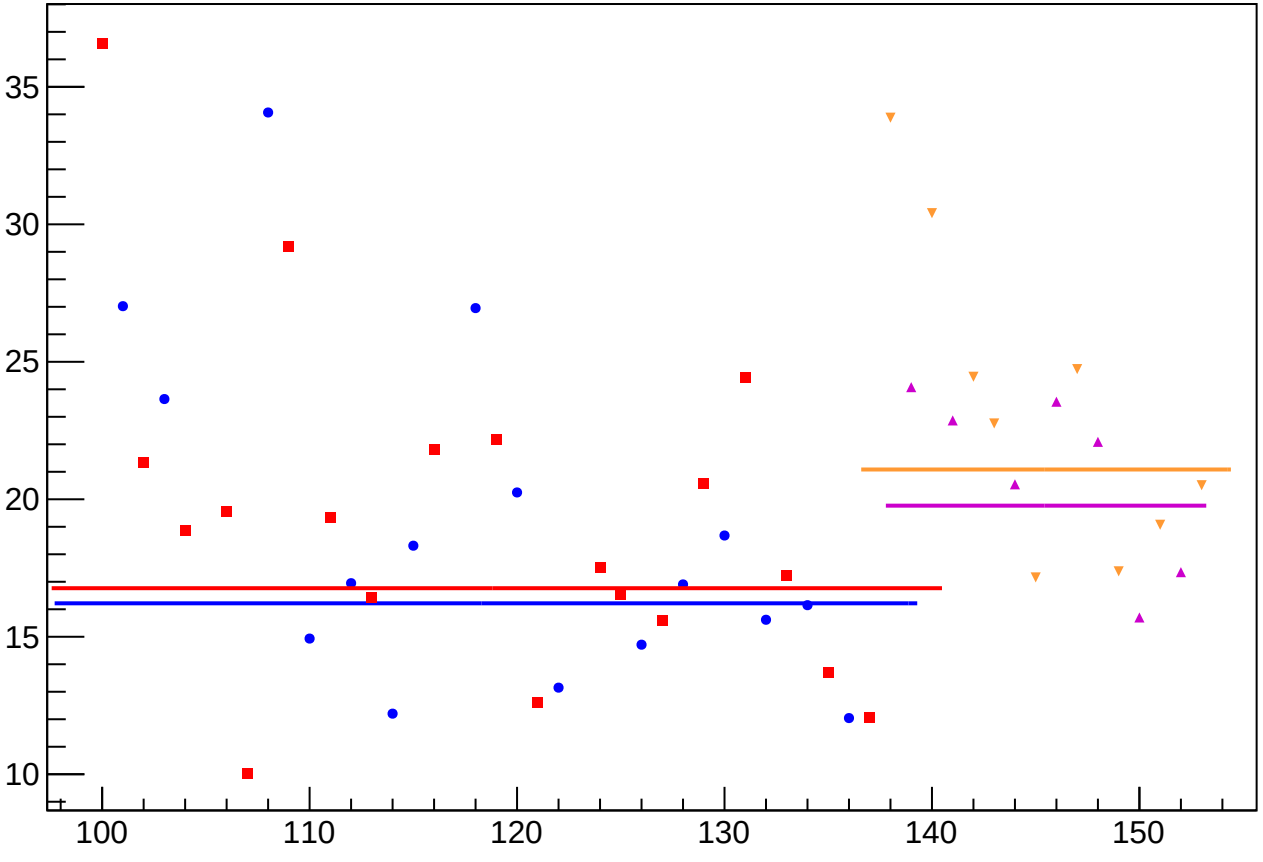
Left In: -0.022+/-0.008 χ^2/NDF:3.7/6

+ sign -0.004+/-0.005 χ^2/NDF: 31.7/24

All: -0.007+/-0.004 χ^2/NDF: 53.0/50

- sign -0.011+/-0.005 χ^2/NDF: 20.4/25

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 21.083+/-0.006 χ^2/NDF:598845.4/8

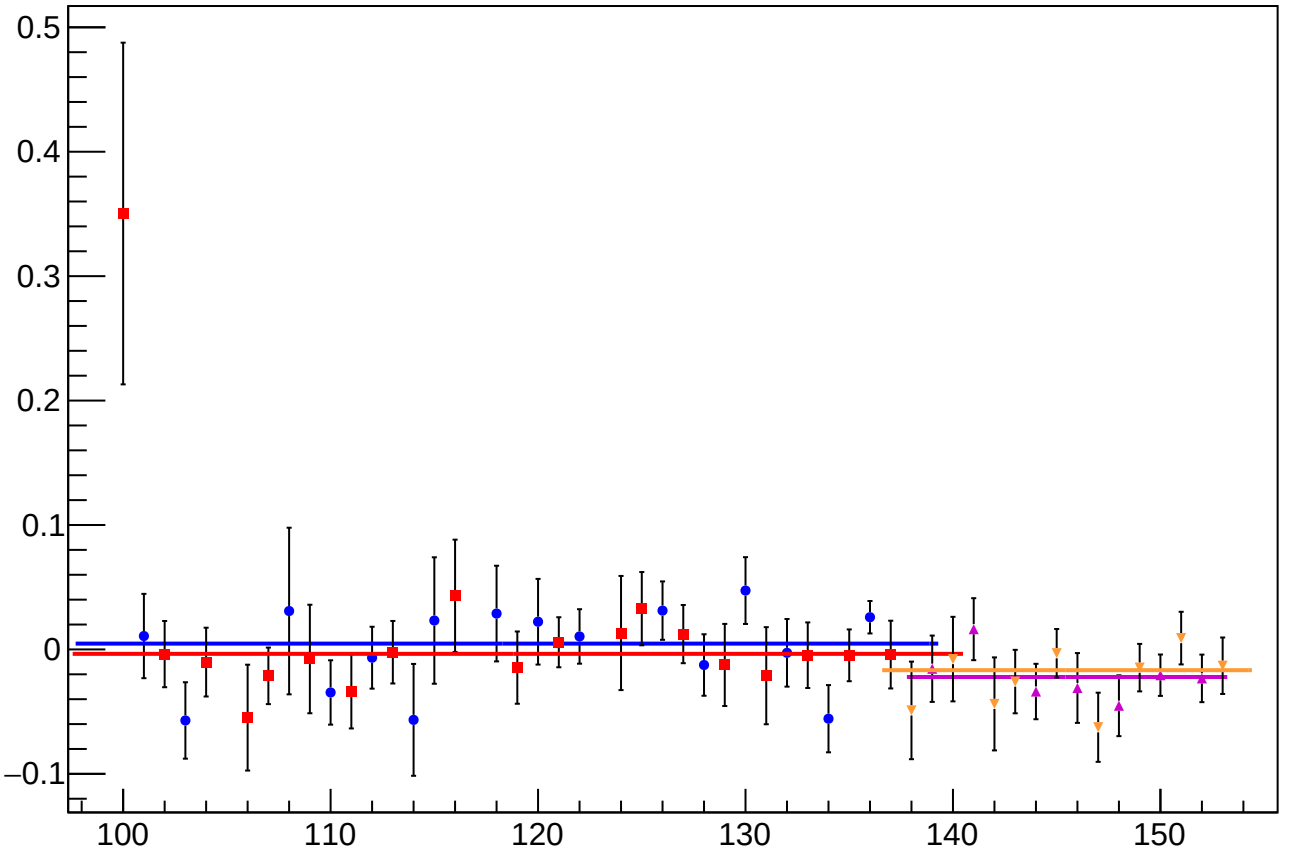
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.768+/-0.006 χ^2/NDF:291596.5/6

+ sign 18.098+/-0.004 χ^2/NDF: 1967667.6/24

All: 18.013+/-0.003 χ^2/NDF: 3285658.2/50

- sign 17.926+/-0.004 χ^2/NDF: 1316875.9/25



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.008 χ^2/NDF:6.1/8

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

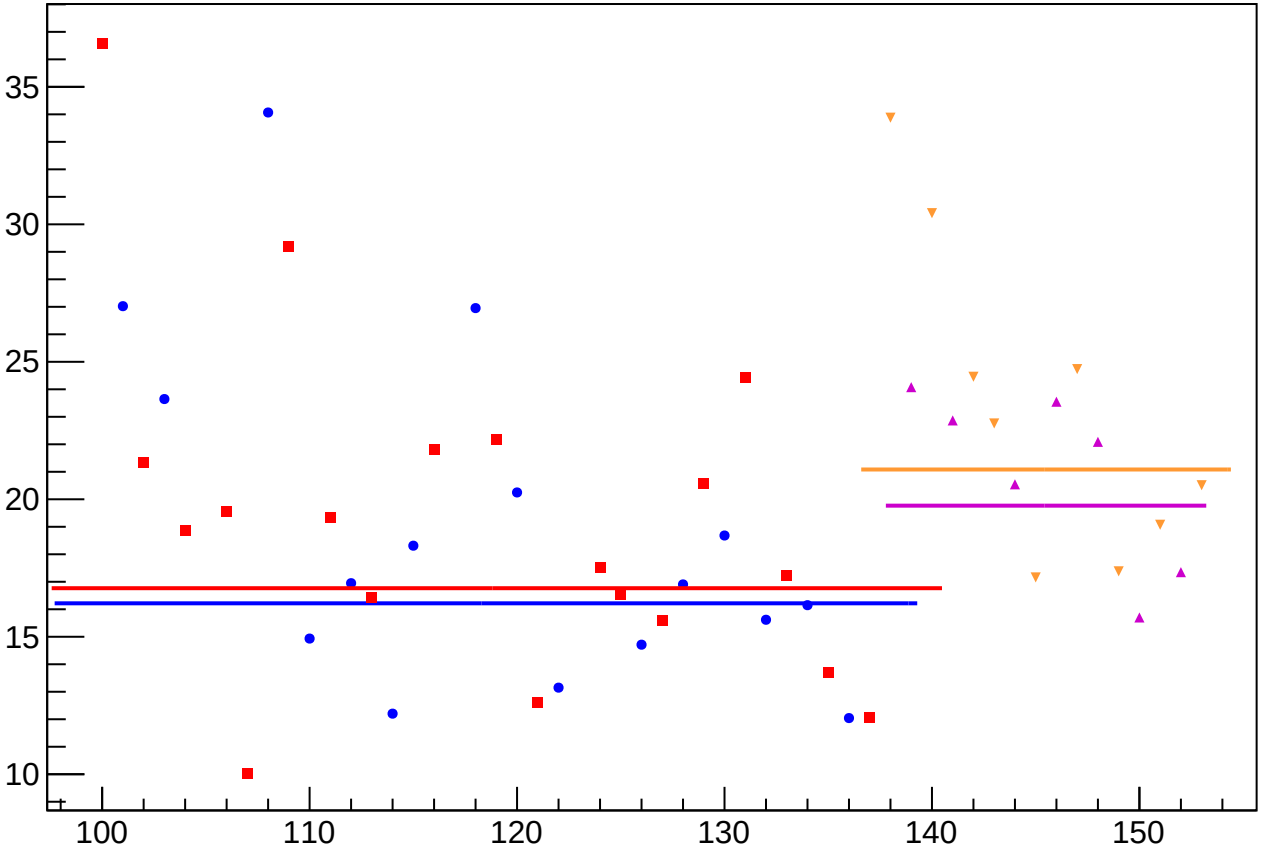
Left In: -0.022+/-0.008 χ^2/NDF:3.7/6

+ sign -0.004+/-0.005 χ^2/NDF: 31.7/24

All: -0.007+/-0.004 χ^2/NDF: 53.0/50

- sign -0.011+/-0.005 χ^2/NDF: 20.4/25

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 21.083+/-0.006 χ^2/NDF:598845.4/8

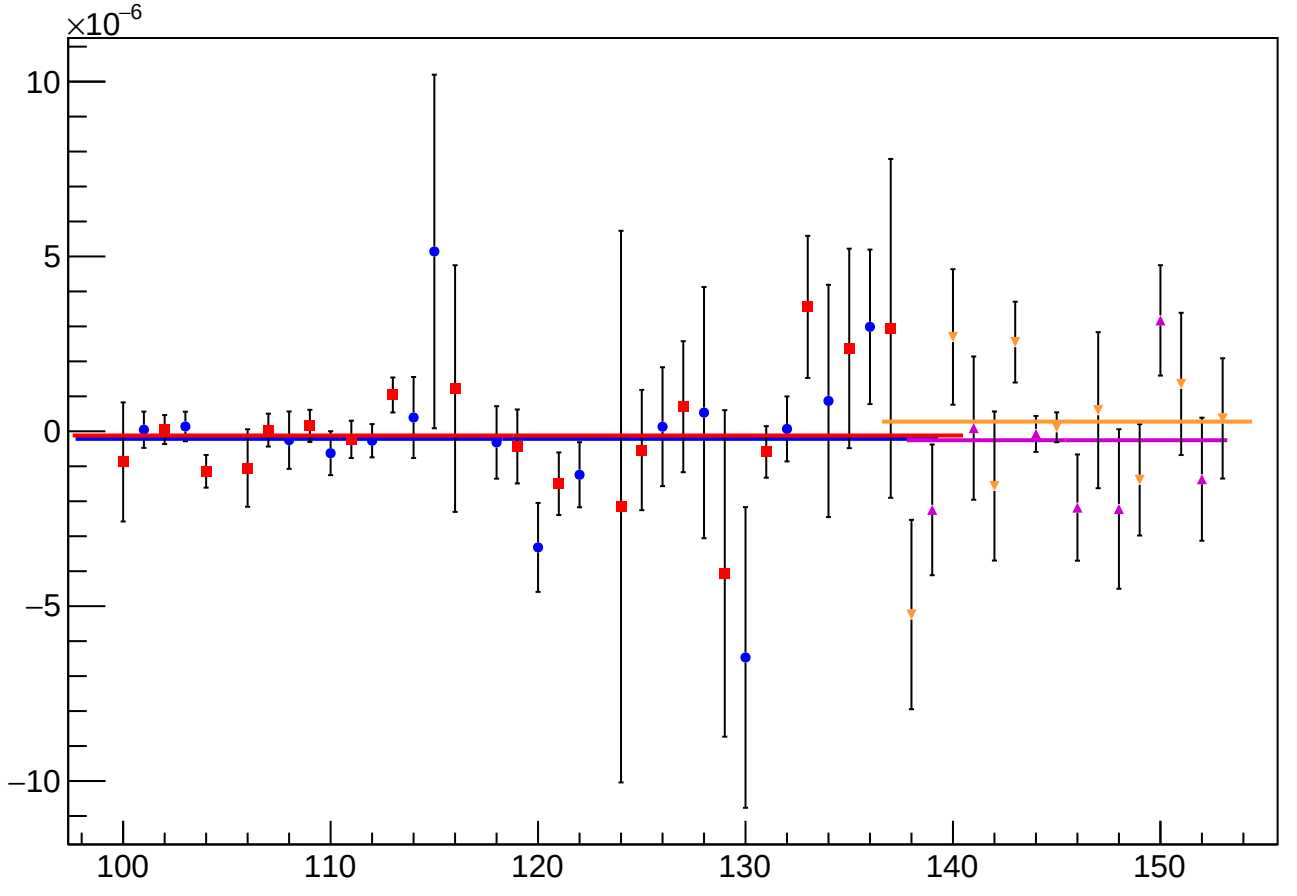
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.768+/-0.006 χ^2/NDF:291596.5/6

+ sign 18.098+/-0.004 χ^2/NDF: 1967667.6/24

All: 18.013+/-0.003 χ^2/NDF: 3285658.2/50

- sign 17.926+/-0.004 χ^2/NDF: 1316875.9/25



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/8

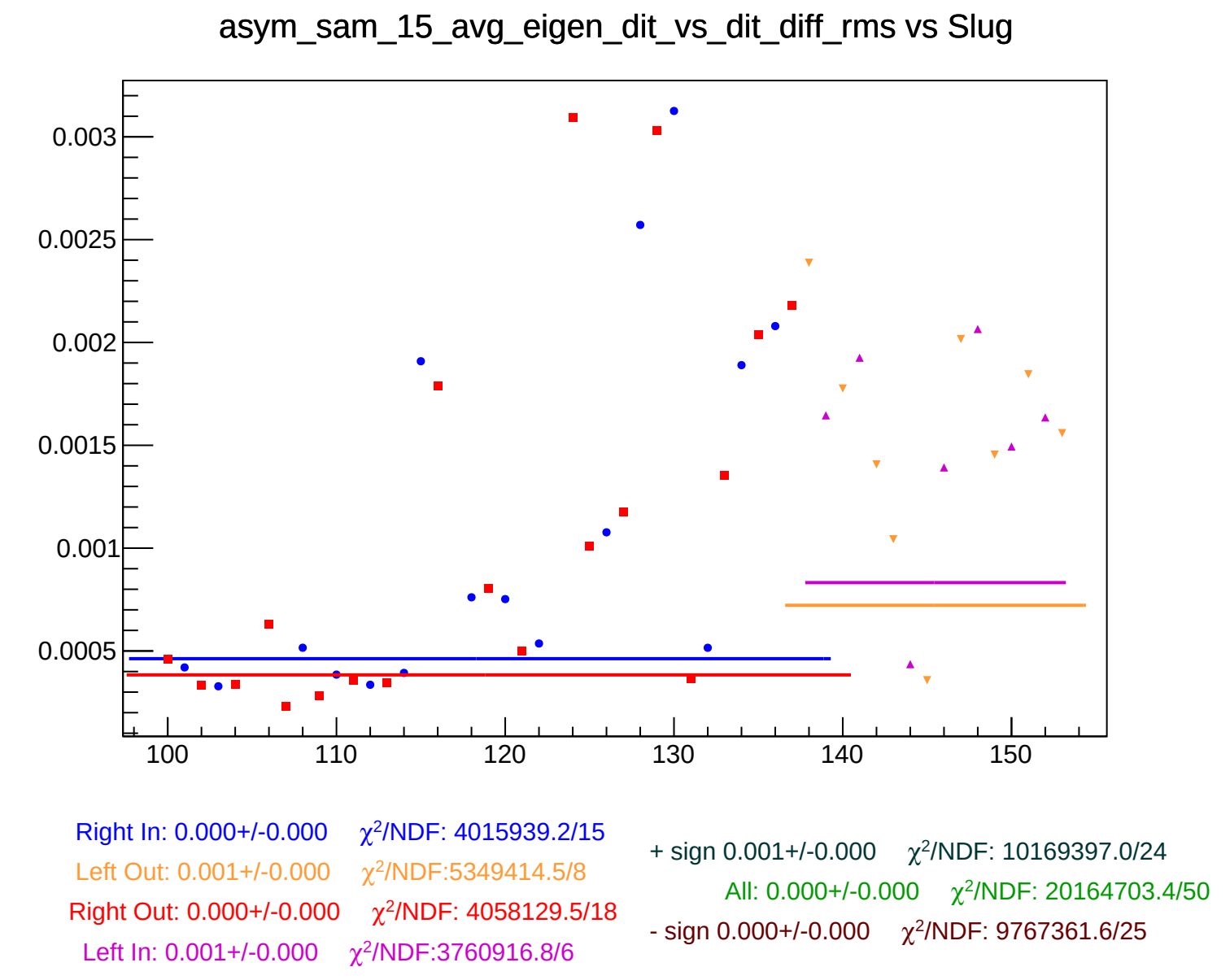
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/6

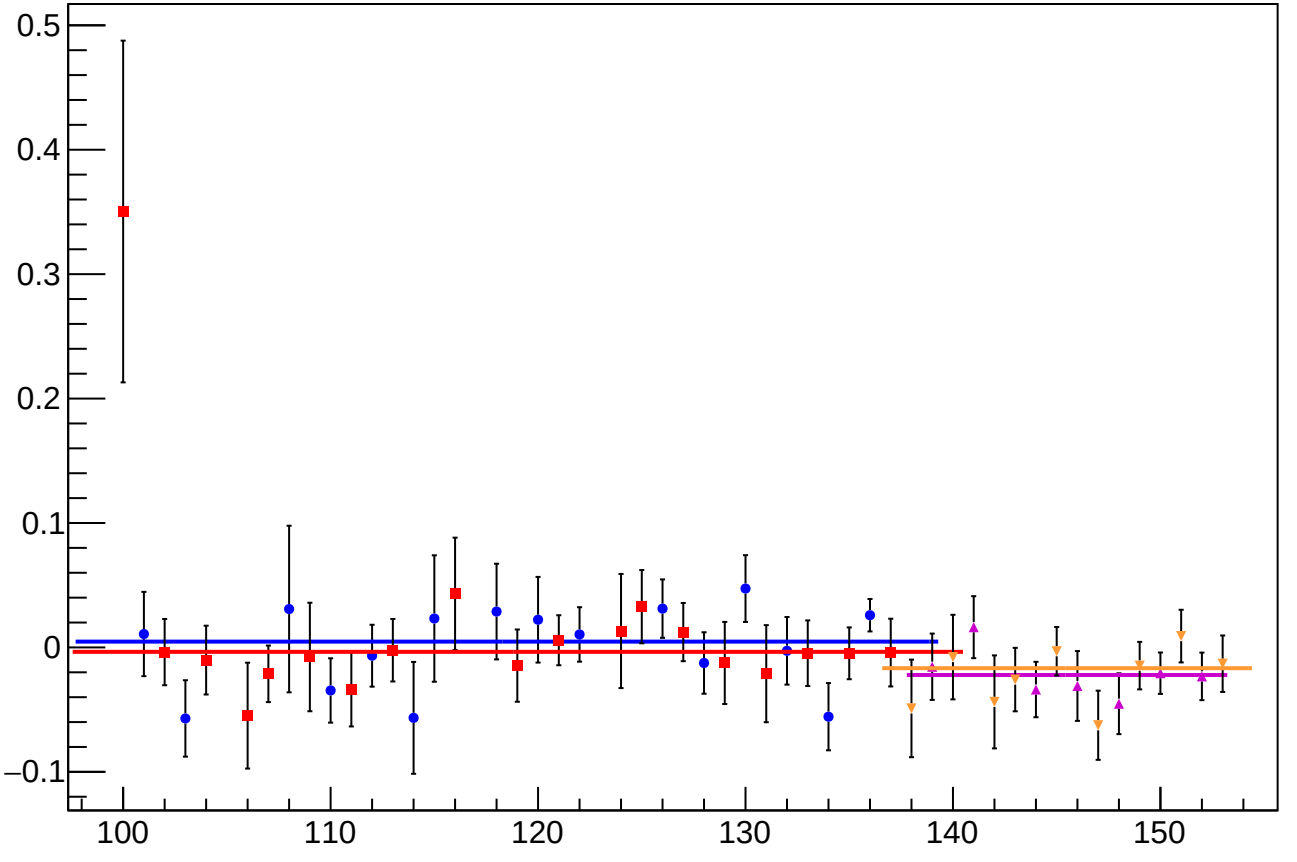
+ sign -0.000+/-0.000 χ^2/NDF: 27.8/24

All: -0.000+/-0.000 χ^2/NDF: 56.9/50

- sign -0.000+/-0.000 χ^2/NDF: 29.1/25


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:5349414.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:3760916.8/6
+ sign 0.001+/-0.000 χ²/NDF: 10169397.0/24
All: 0.000+/-0.000 χ²/NDF: 20164703.4/50
- sign 0.000+/-0.000 χ²/NDF: 9767361.6/25

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.008 χ^2/NDF:6.1/8

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

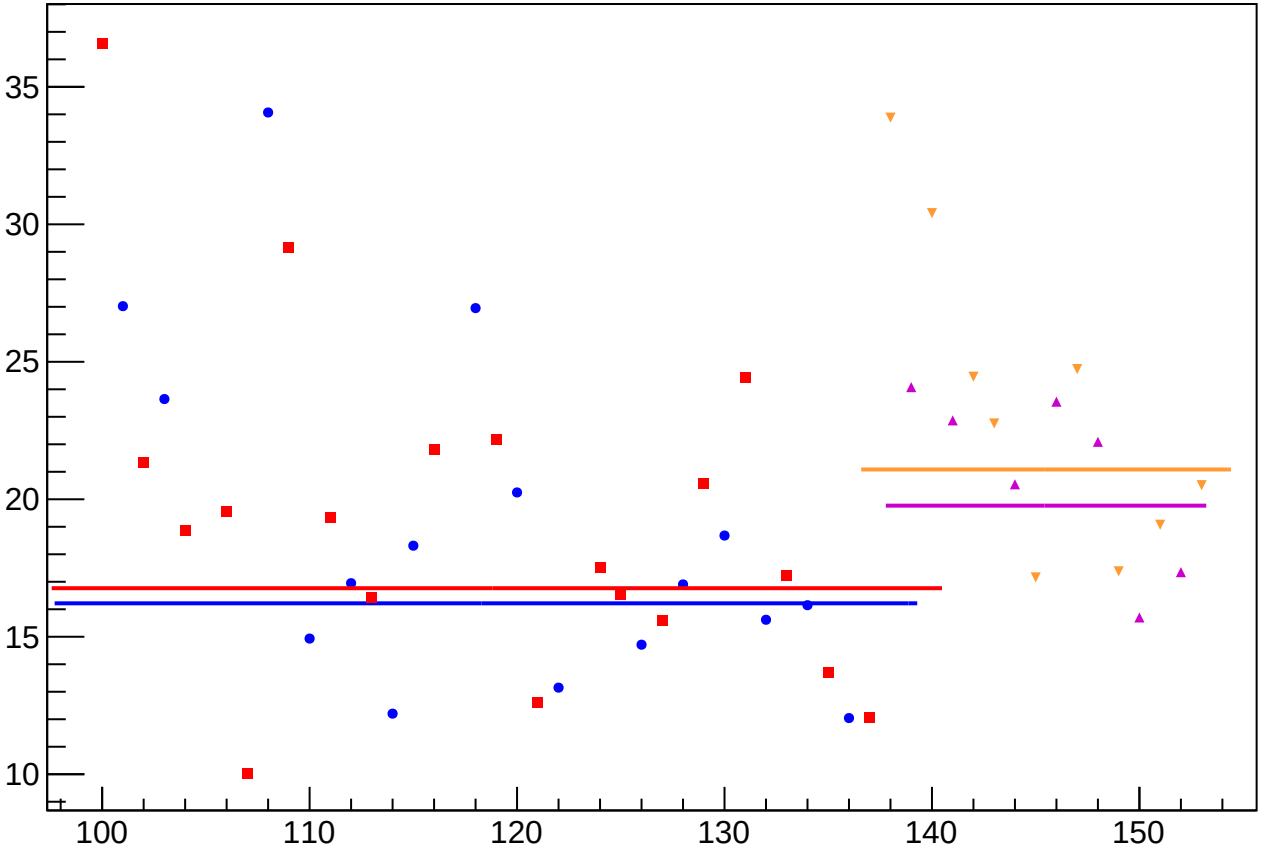
Left In: -0.022+/-0.008 χ^2/NDF:3.7/6

+ sign -0.004+/-0.005 χ^2/NDF: 31.7/24

All: -0.007+/-0.004 χ^2/NDF: 53.0/50

- sign -0.011+/-0.005 χ^2/NDF: 20.4/25

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 21.084+/-0.006 χ^2/NDF:598887.8/8

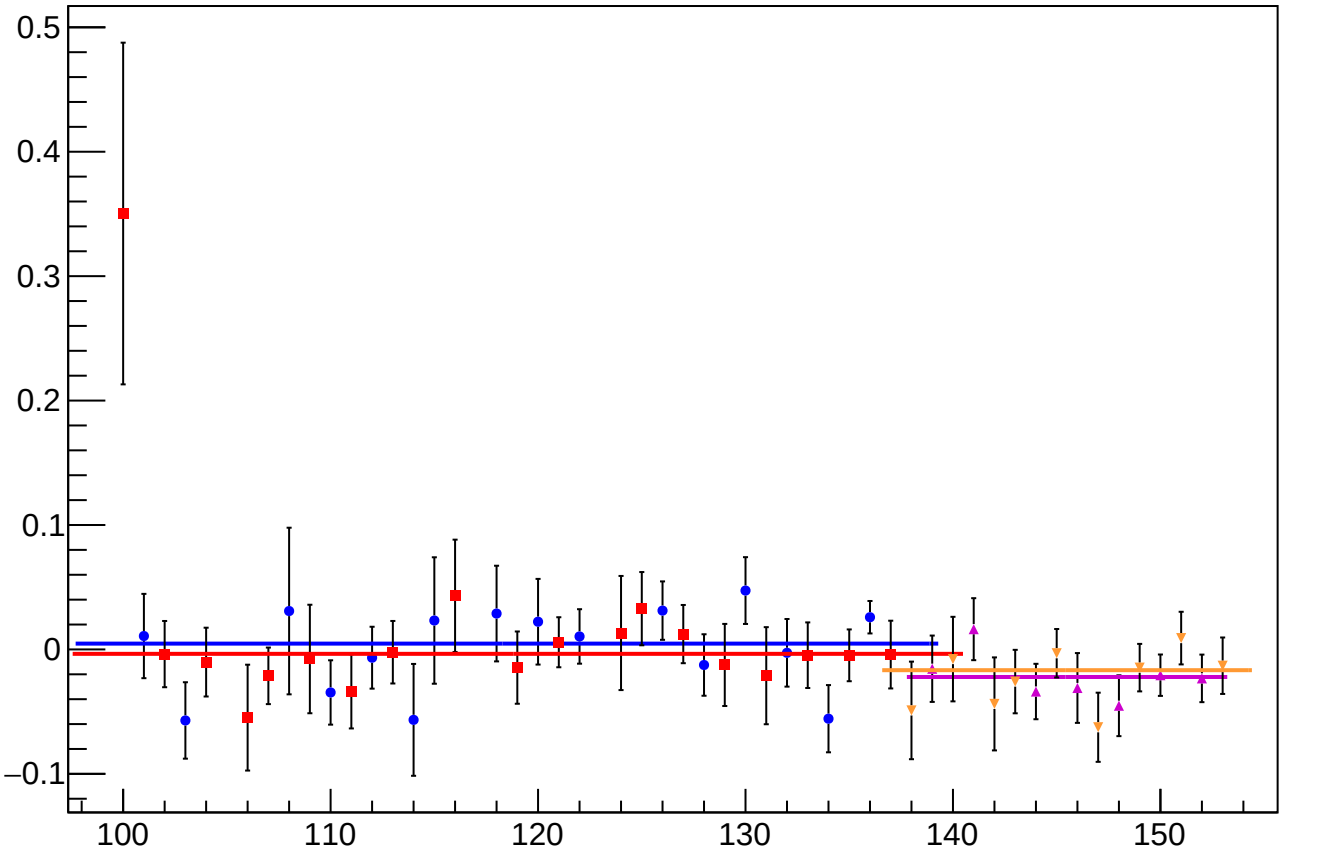
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.768+/-0.006 χ^2/NDF:291677.4/6

+ sign 18.098+/-0.004 χ^2/NDF: 1967743.5/24

All: 18.013+/-0.003 χ^2/NDF: 3285838.7/50

- sign 17.926+/-0.004 χ^2/NDF: 1316979.9/25



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.008 χ^2/NDF:6.1/8

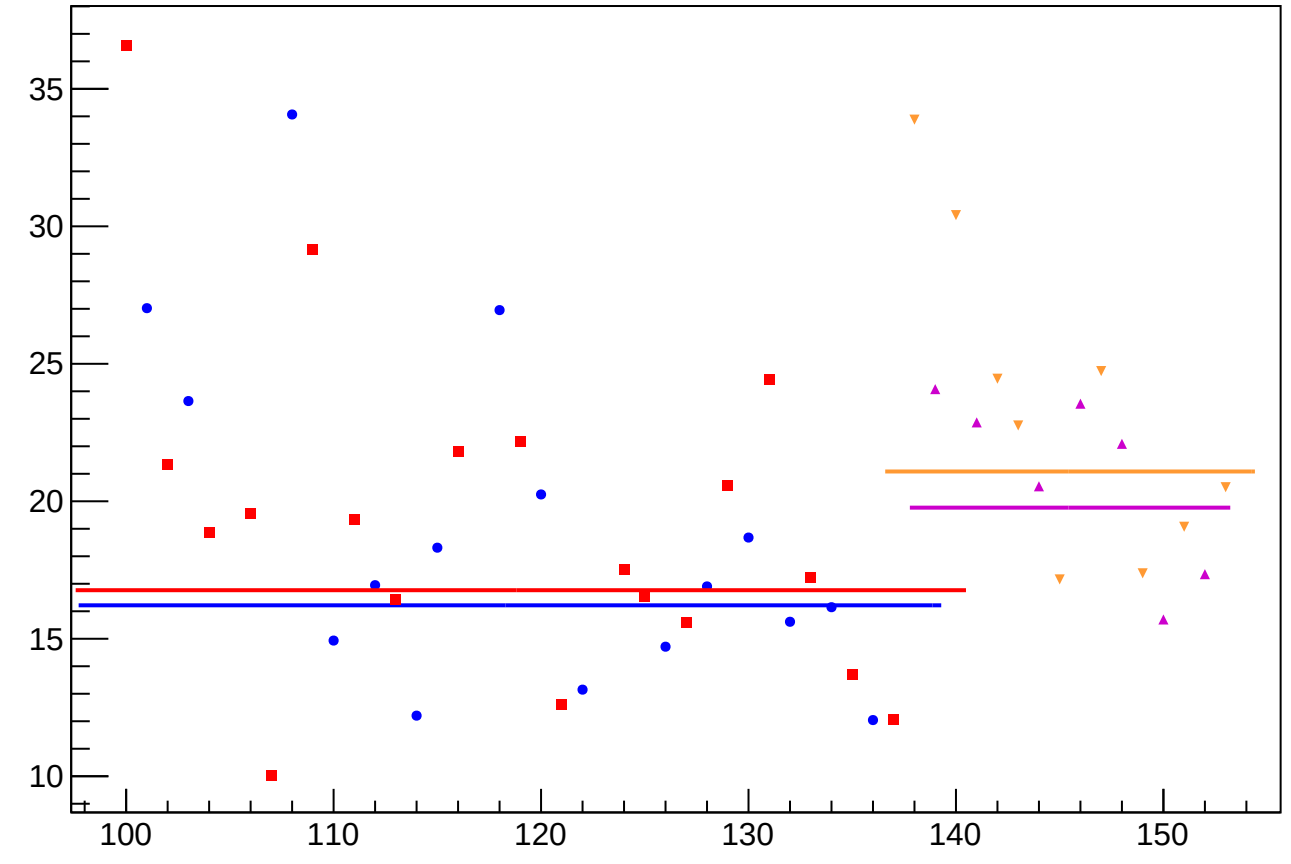
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.022+/-0.008 χ^2/NDF:3.7/6

+ sign -0.004+/-0.005 χ^2/NDF: 31.7/24

All: -0.007+/-0.004 χ^2/NDF: 53.0/50

- sign -0.011+/-0.005 χ^2/NDF: 20.4/25



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 21.084+/-0.006 χ^2/NDF:598887.8/8

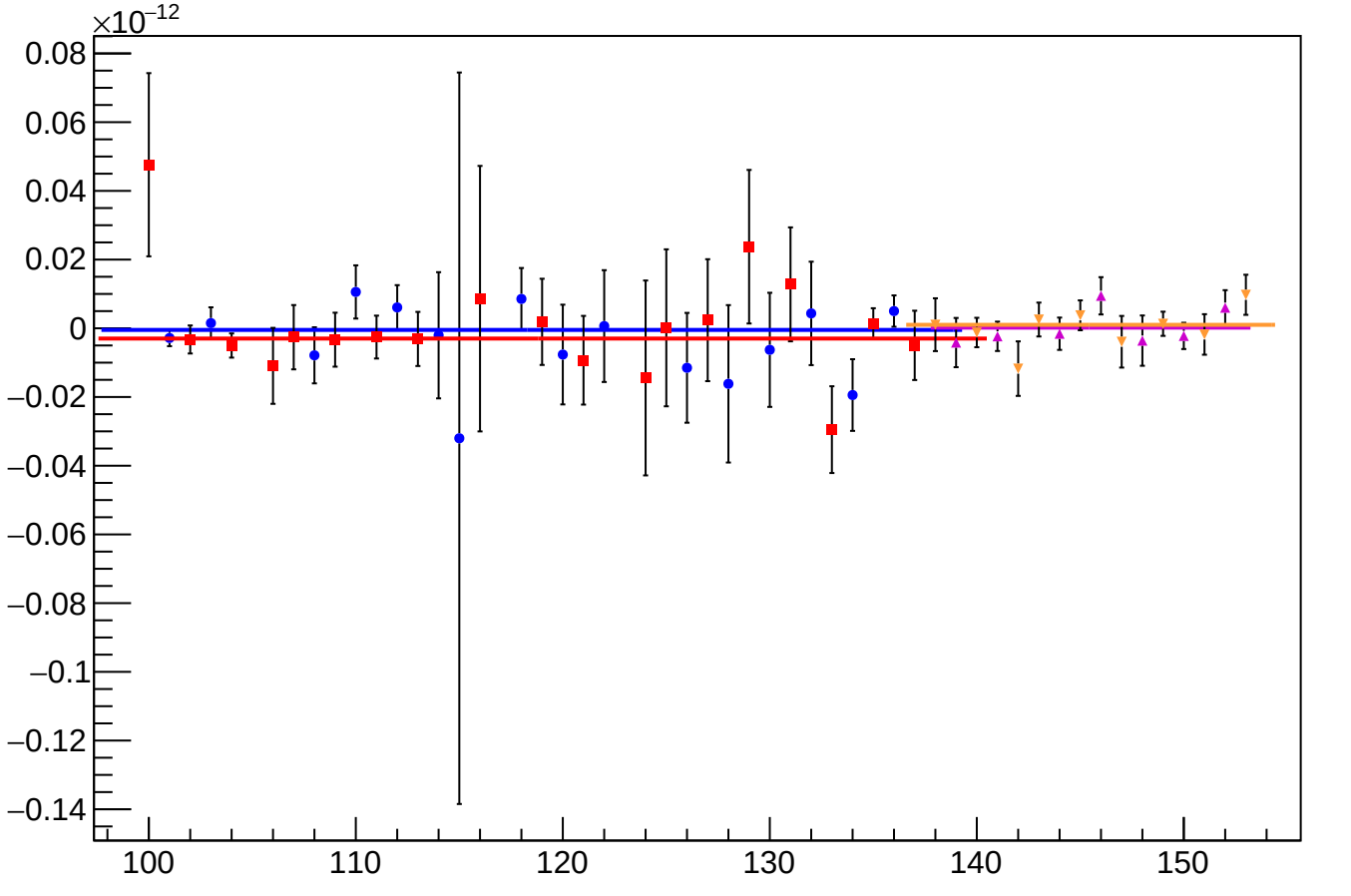
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.768+/-0.006 χ^2/NDF:291677.4/6

+ sign 18.098+/-0.004 χ^2/NDF: 1967743.5/24

All: 18.013+/-0.003 χ^2/NDF: 3285838.7/50

- sign 17.926+/-0.004 χ^2/NDF: 1316979.9/25



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/8

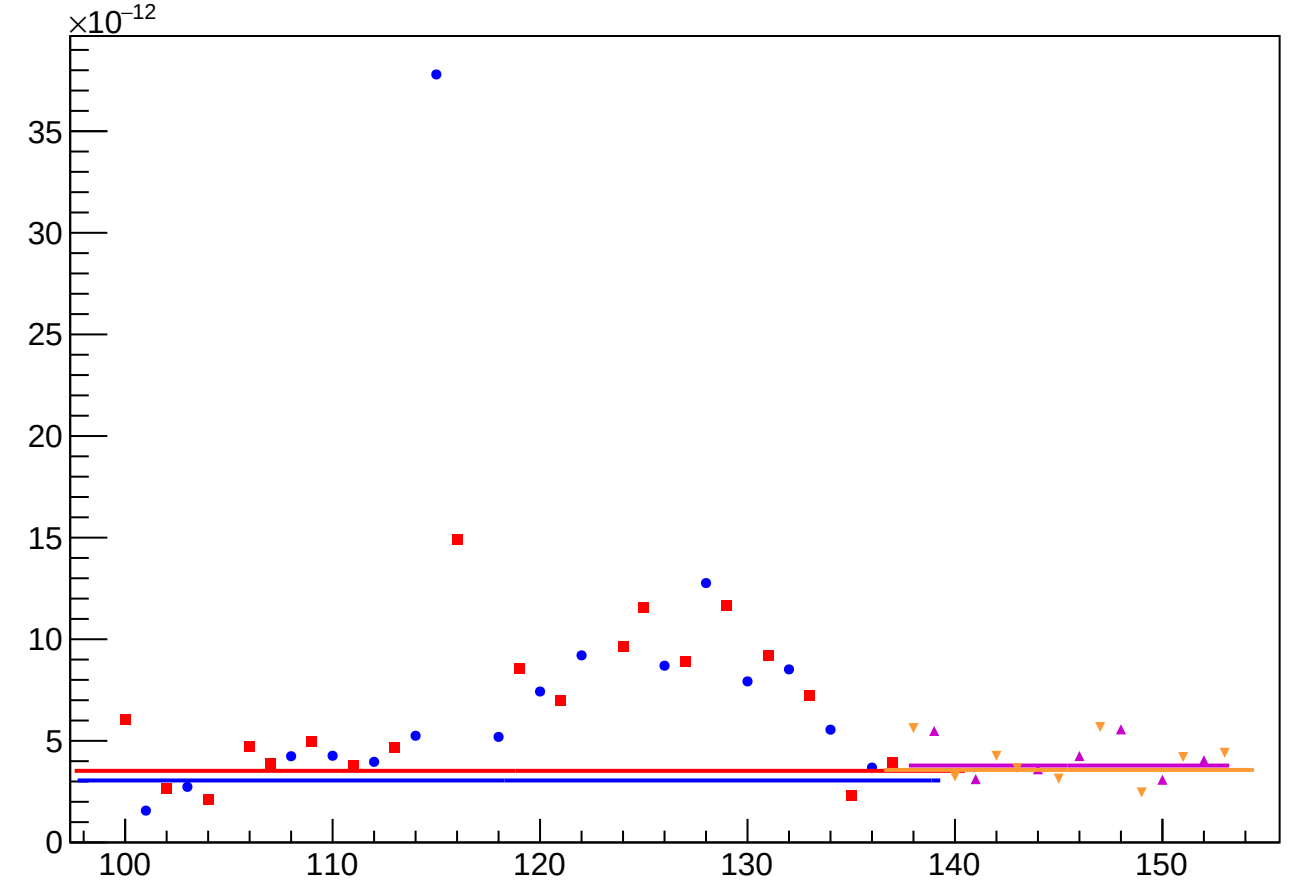
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 18.9/24

All: -0.000+/-0.000 χ^2/NDF: 40.2/50

- sign -0.000+/-0.000 χ^2/NDF: 20.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:610315.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

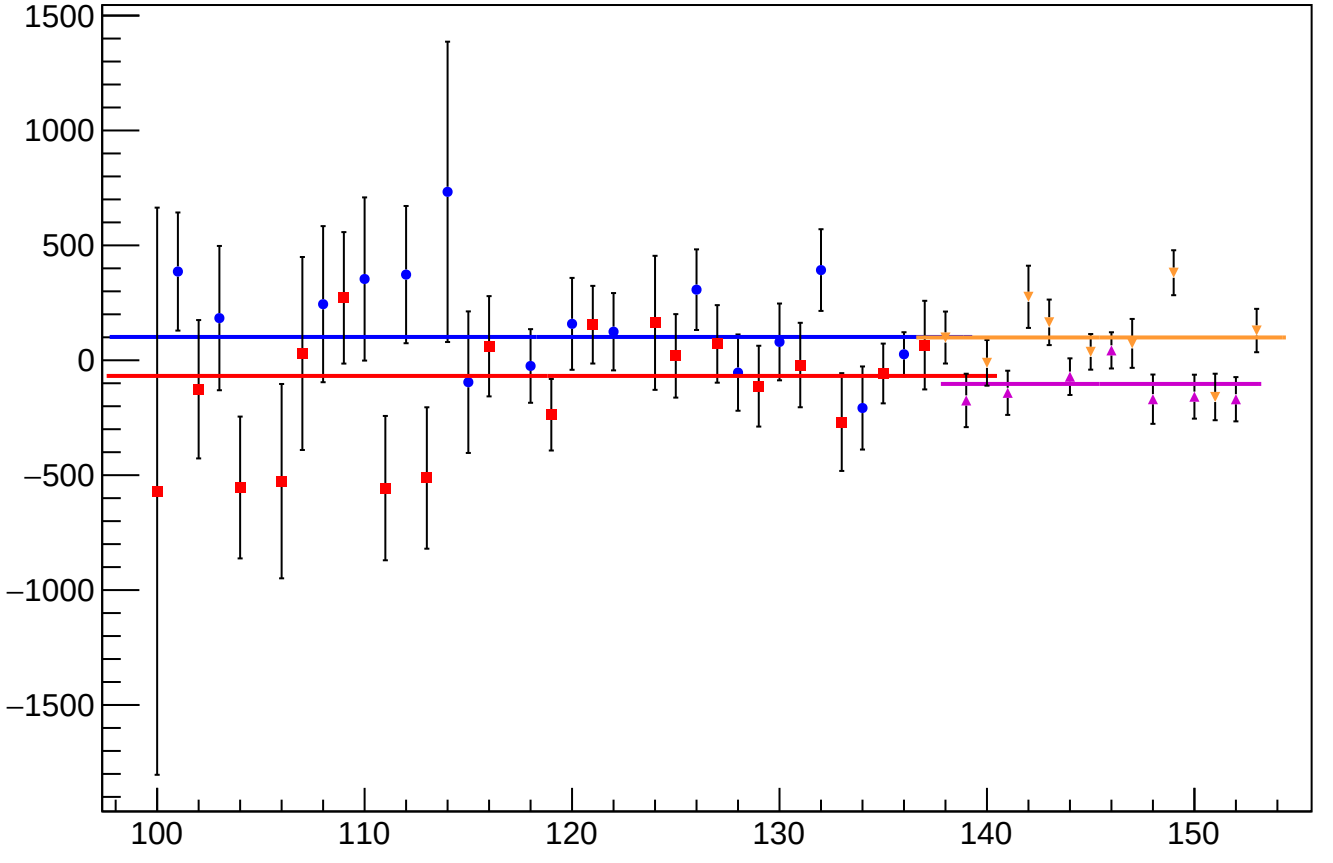
Left In: 0.000+/-0.000 χ^2/NDF:369368.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3642964.8/24

All: 0.000+/-0.000 χ^2/NDF: 6670617.2/50

- sign 0.000+/-0.000 χ^2/NDF: 2948465.3/25

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 99.260+/-33.238 χ^2/NDF:19.0/8

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

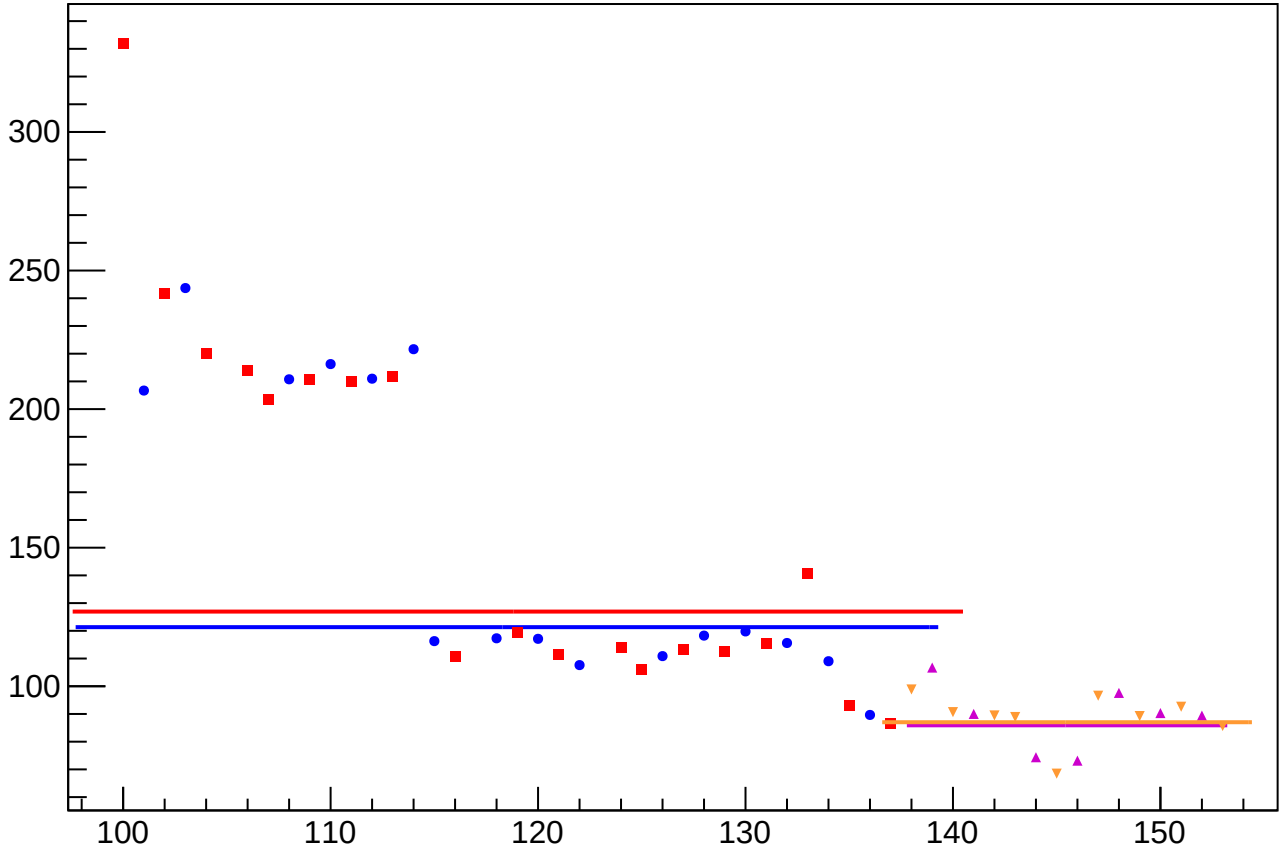
Left In: -102.962+/-35.247 χ^2/NDF:5.3/6

+ sign 99.980+/-27.257 χ^2/NDF: 32.4/24

All: 9.253+/-19.757 χ^2/NDF: 77.5/50

- sign -91.181+/-28.678 χ^2/NDF: 21.8/25

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.022+/-0.024 χ^2/NDF:164190.8/8

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

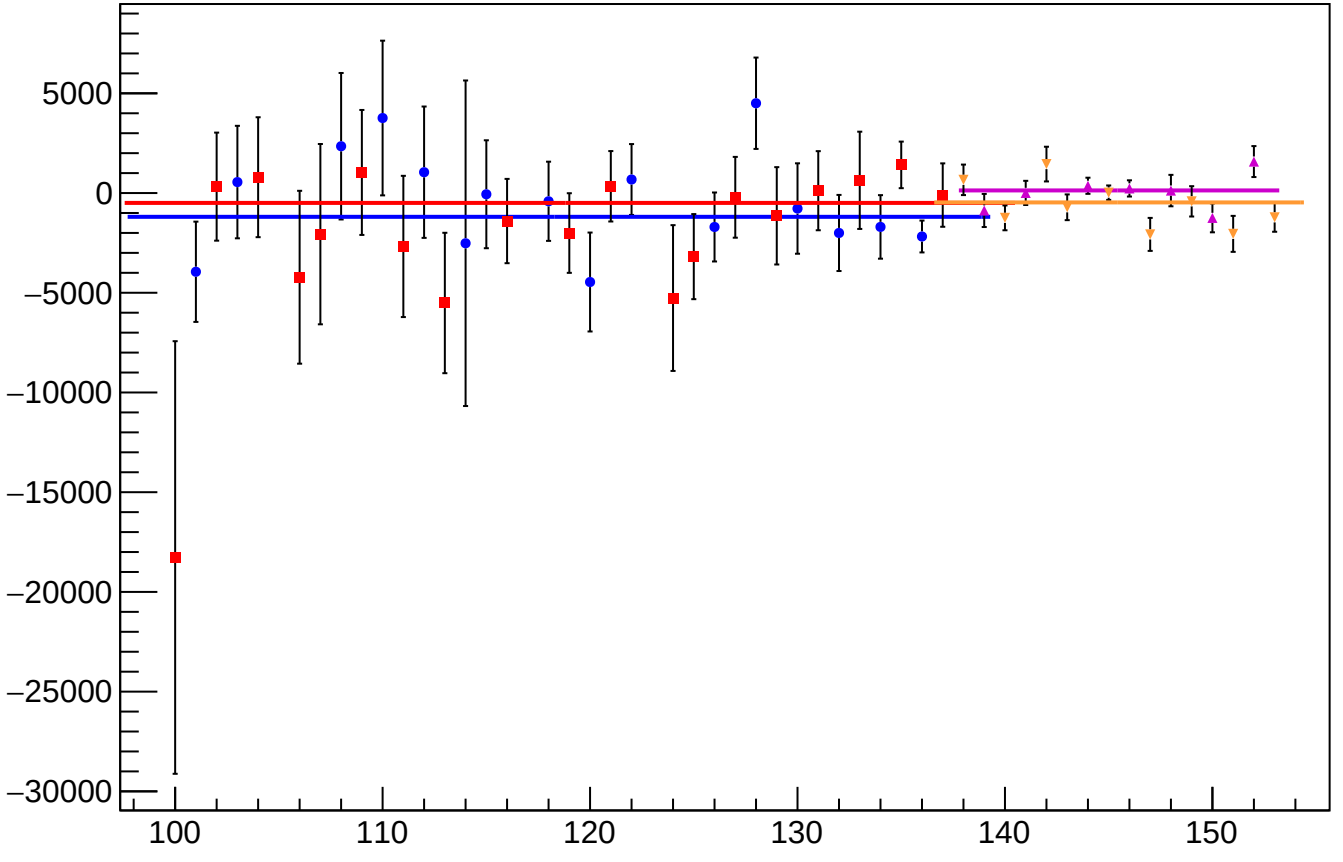
Left In: 85.906+/-0.025 χ^2/NDF:192843.1/6

+ sign 98.256+/-0.019 χ^2/NDF: 2148487.5/24

All: 98.978+/-0.014 χ^2/NDF: 4732288.1/50

- sign 99.778+/-0.020 χ^2/NDF: 2580841.5/25

asym_sam_26_avg_reg_correction_mean vs Slug



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -470.298+/-213.344 χ^2/NDF:18.5/8

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

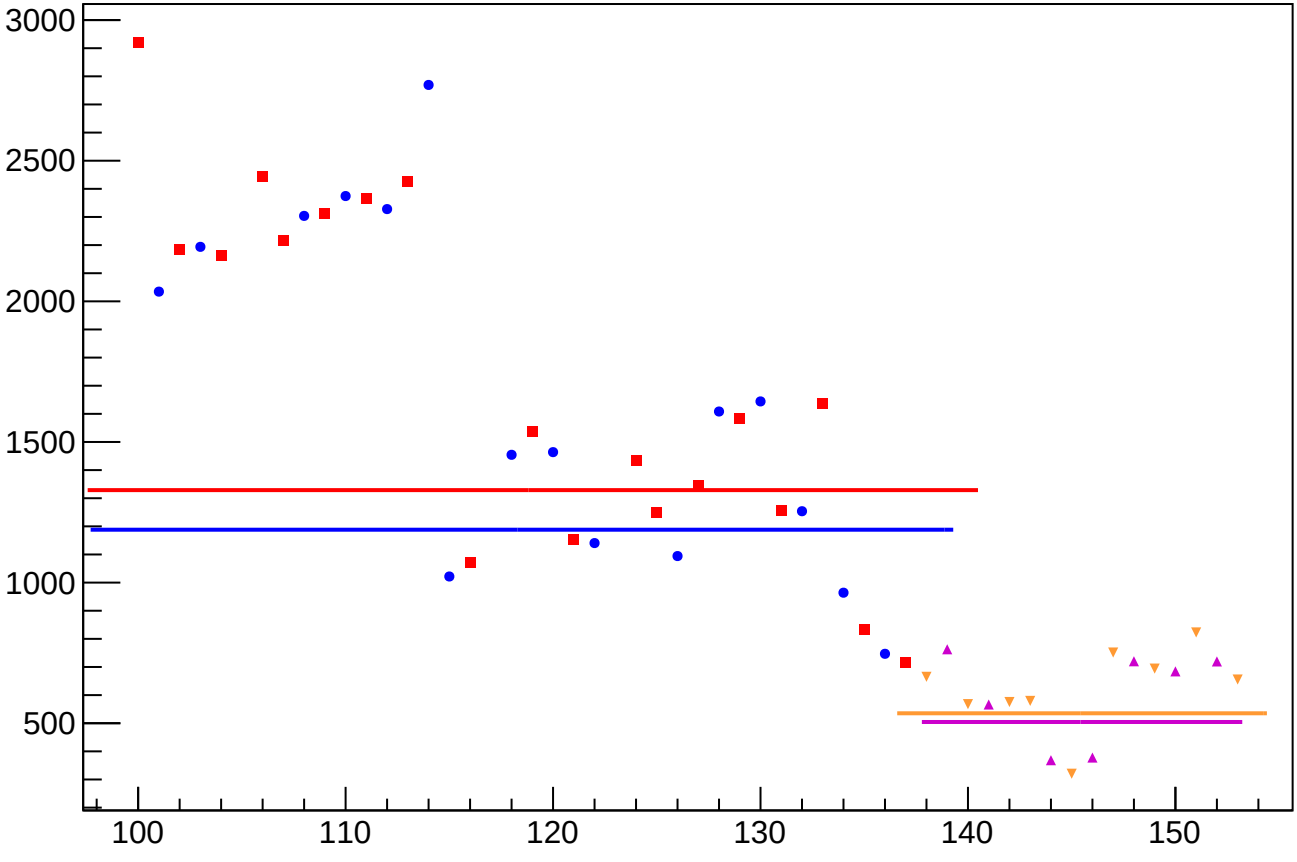
Left In: 131.311+/-215.662 χ^2/NDF:9.0/6

+ sign -589.833+/-194.881 χ^2/NDF: 36.3/24

All: -282.001+/-139.340 χ^2/NDF: 65.5/50

- sign 39.974+/-199.308 χ^2/NDF: 24.1/25

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 535.344+/-0.151 χ^2/NDF:1262508.9/8

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

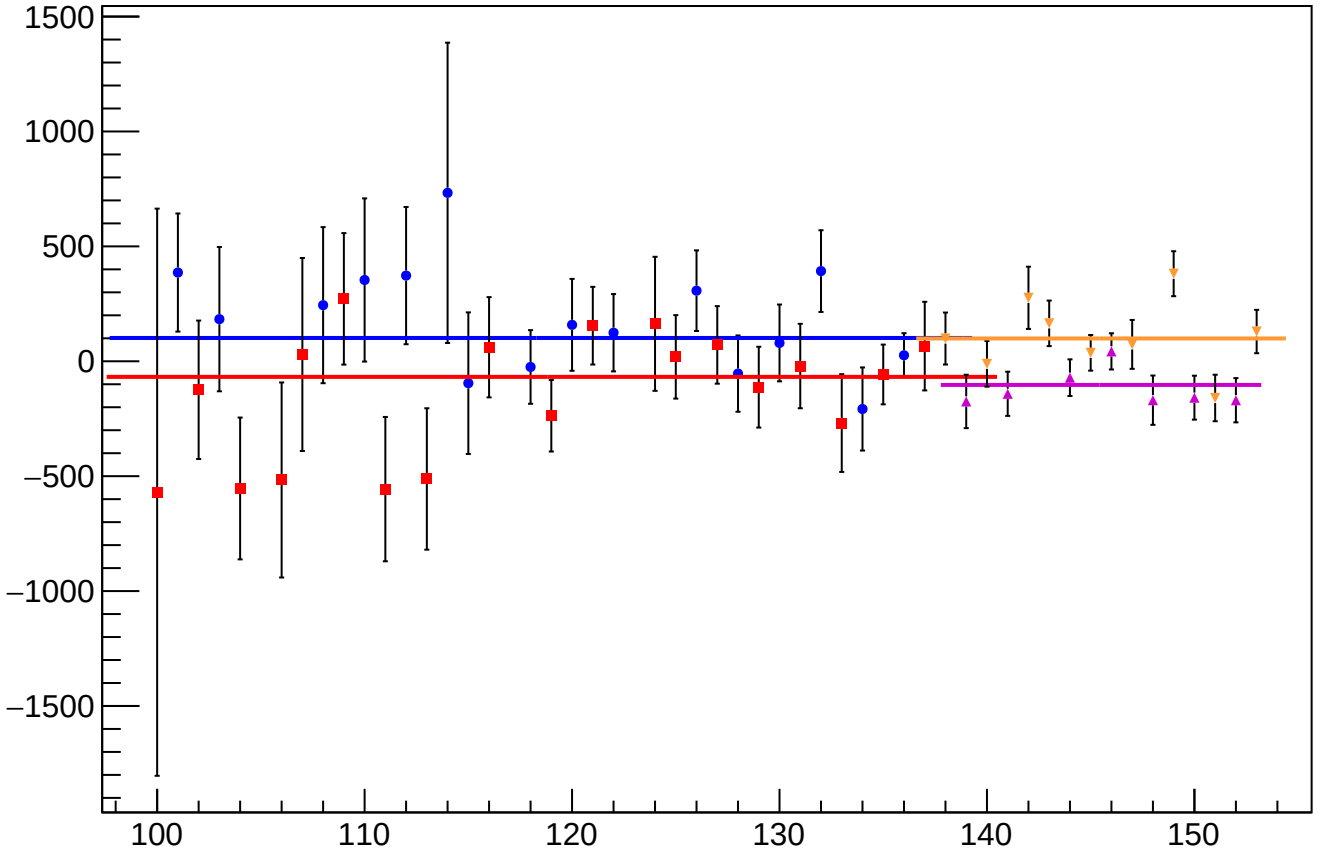
Left In: 504.433+/-0.152 χ^2/NDF:1061360.7/6

+ sign 643.429+/-0.138 χ^2/NDF: 6407176.4/24

All: 634.288+/-0.099 χ^2/NDF: 13699650.1/50

- sign 624.727+/-0.141 χ^2/NDF: 7283470.5/25

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 99.266+/-33.238 χ^2/NDF:19.0/8

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

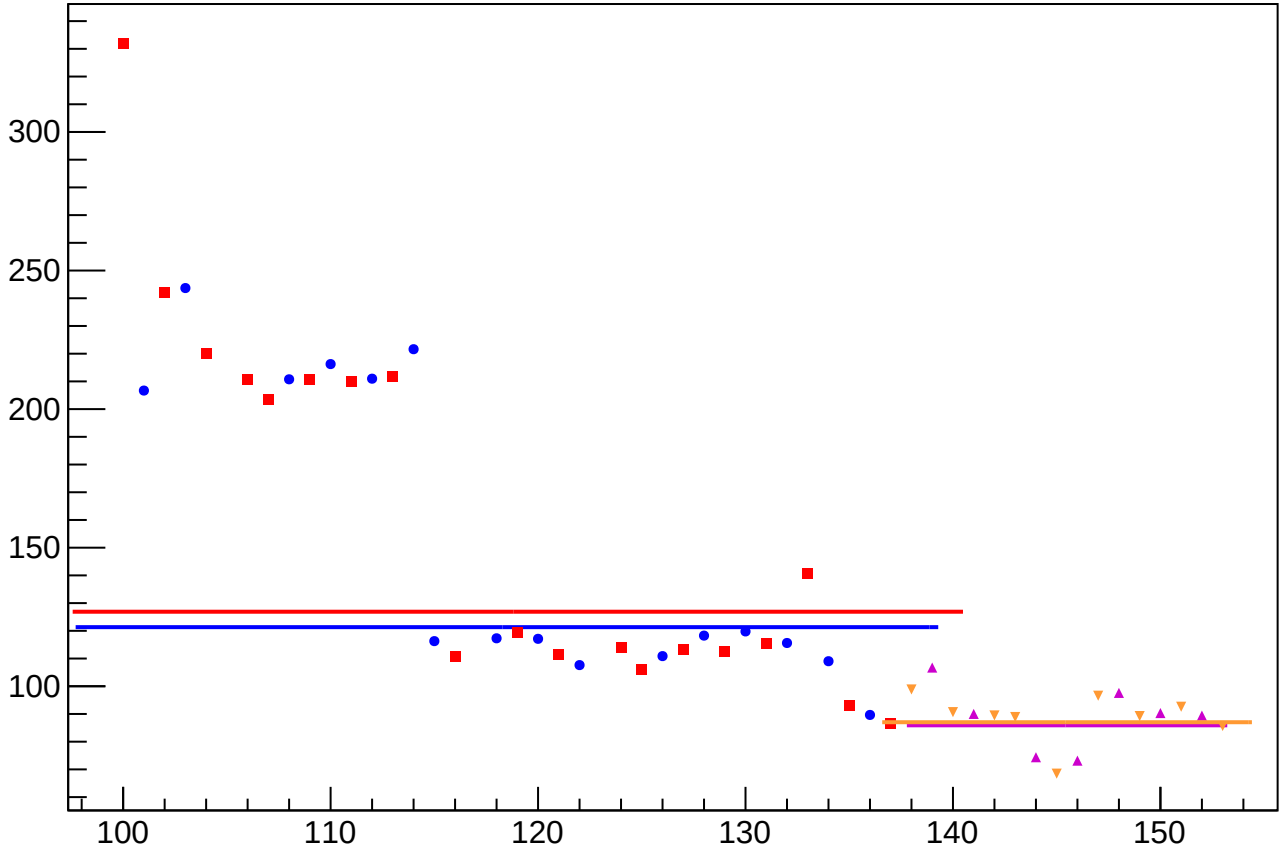
Left In: -102.962+/-35.247 χ^2/NDF:5.3/6

+ sign 99.980+/-27.257 χ^2/NDF: 32.4/24

All: 9.291+/-19.757 χ^2/NDF: 77.5/50

- sign -91.105+/-28.679 χ^2/NDF: 21.7/25

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.022+/-0.024 χ^2/NDF:164190.8/8

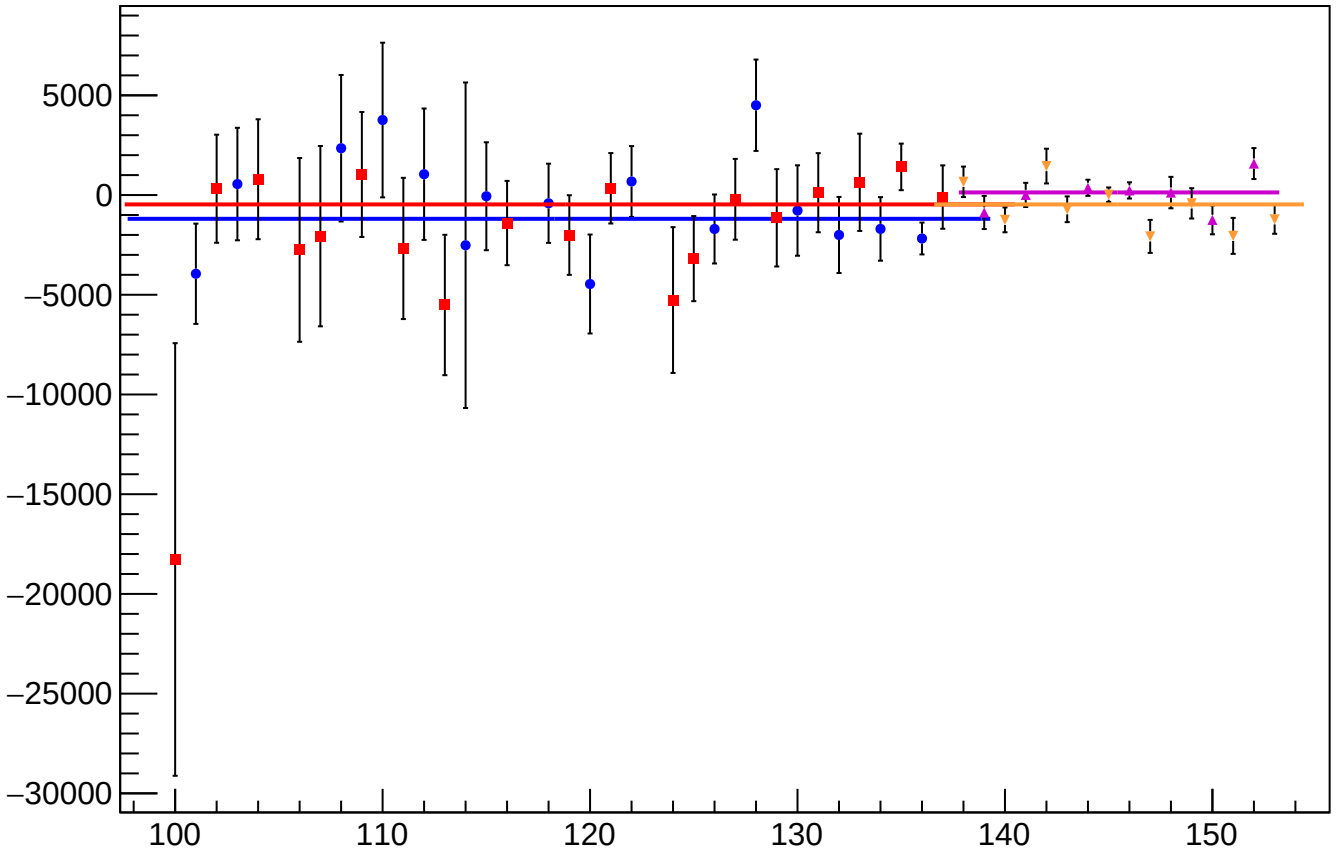
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.906+/-0.025 χ^2/NDF:192843.1/6

+ sign 98.256+/-0.019 χ^2/NDF: 2148489.8/24

All: 98.969+/-0.014 χ^2/NDF: 4723799.3/50

- sign 99.760+/-0.020 χ^2/NDF: 2572420.1/25



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -470.290+/-213.343 χ^2/NDF:18.5/8

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

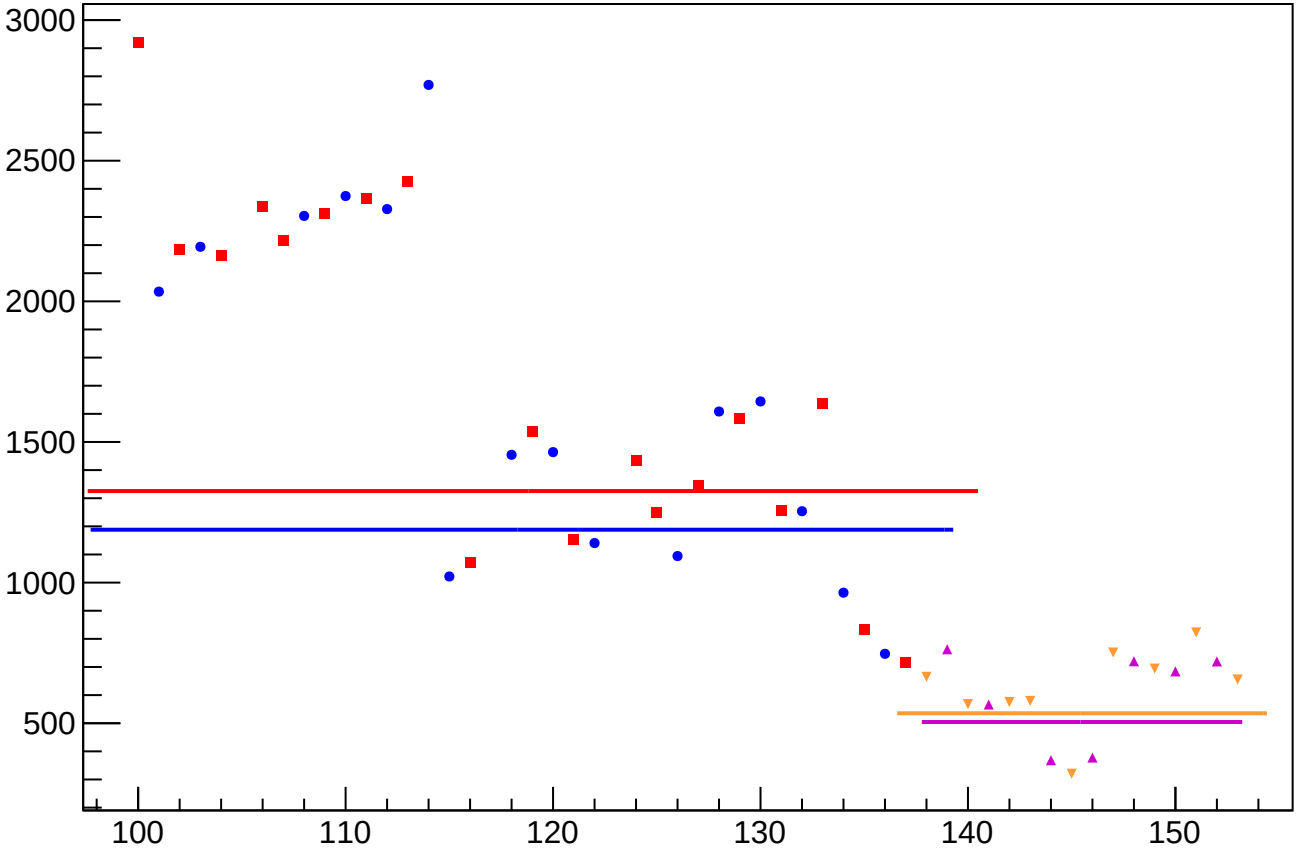
Left In: 131.307+/-215.662 χ^2/NDF:9.0/6

+ sign -589.822+/-194.881 χ^2/NDF: 36.3/24

All: -280.199+/-139.349 χ^2/NDF: 64.9/50

- sign 43.731+/-199.333 χ^2/NDF: 23.5/25

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 535.343+/-0.151 χ^2/NDF:1262516.3/8

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

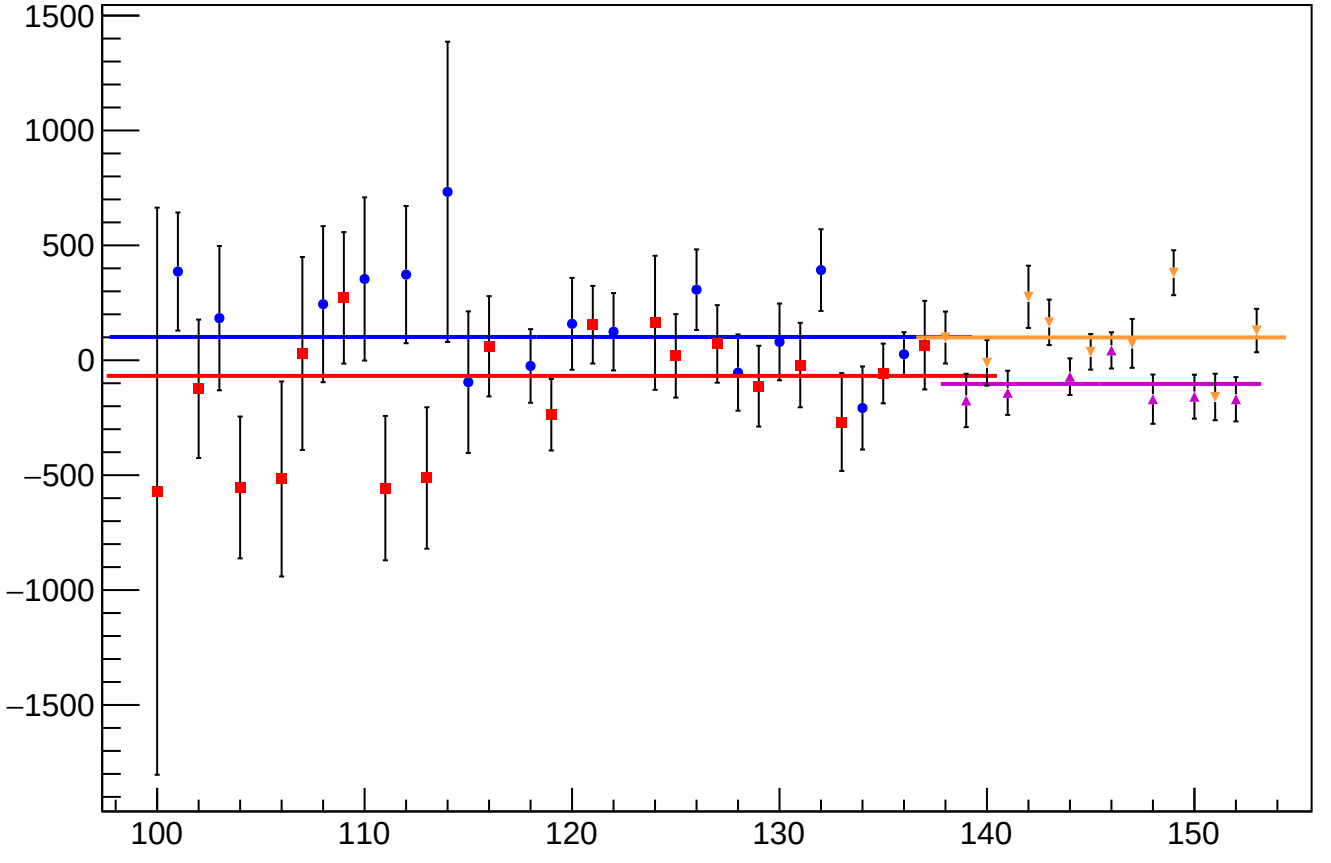
Left In: 504.433+/-0.152 χ^2/NDF:1061363.1/6

+ sign 643.428+/-0.138 χ^2/NDF: 6407212.9/24

All: 633.971+/-0.099 χ^2/NDF: 13623780.4/50

- sign 624.077+/-0.141 χ^2/NDF: 7206929.9/25

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 99.266+/-33.238 χ^2/NDF:19.0/8

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

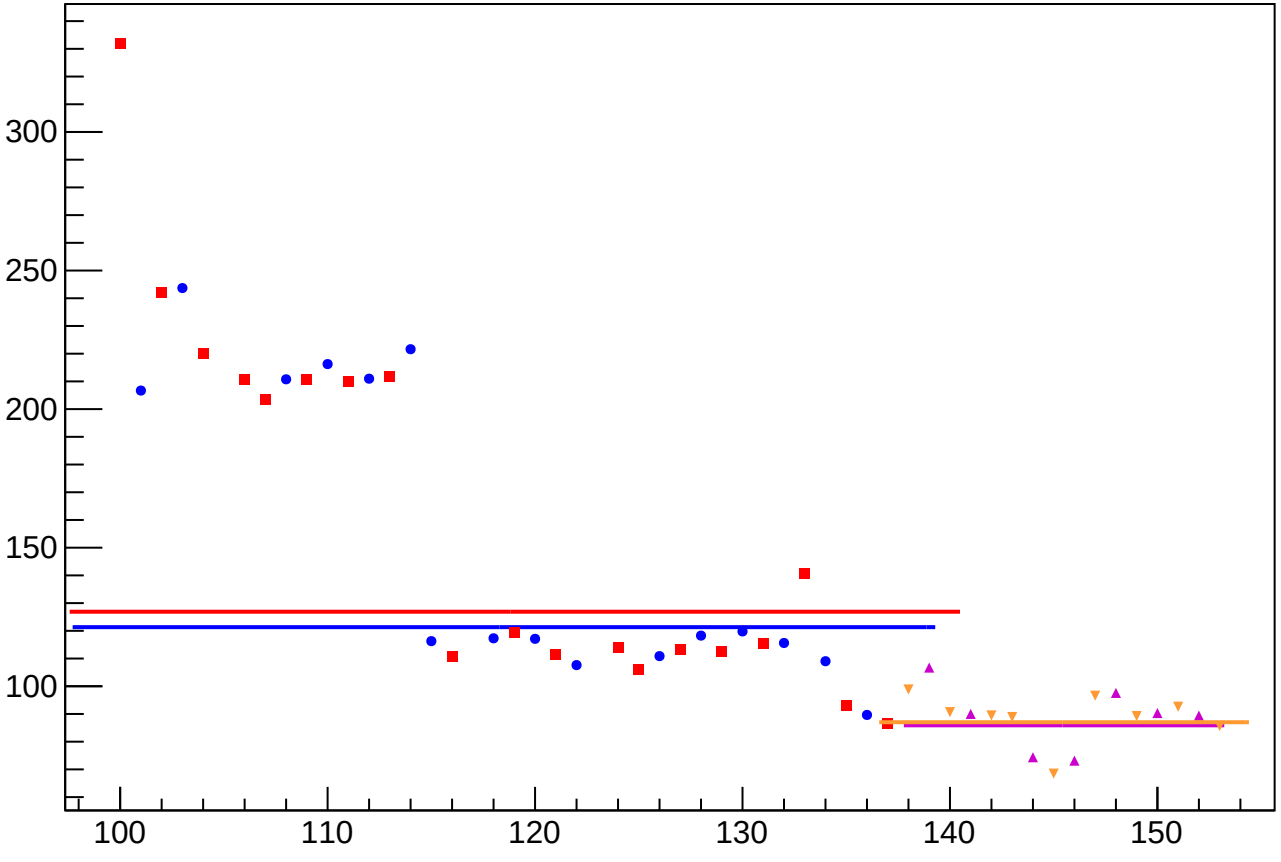
Left In: -102.962+/-35.247 χ^2/NDF:5.3/6

+ sign 99.980+/-27.257 χ^2/NDF: 32.4/24

All: 9.291+/-19.757 χ^2/NDF: 77.5/50

- sign -91.105+/-28.679 χ^2/NDF: 21.7/25

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.022+/-0.024 χ^2/NDF:164190.8/8

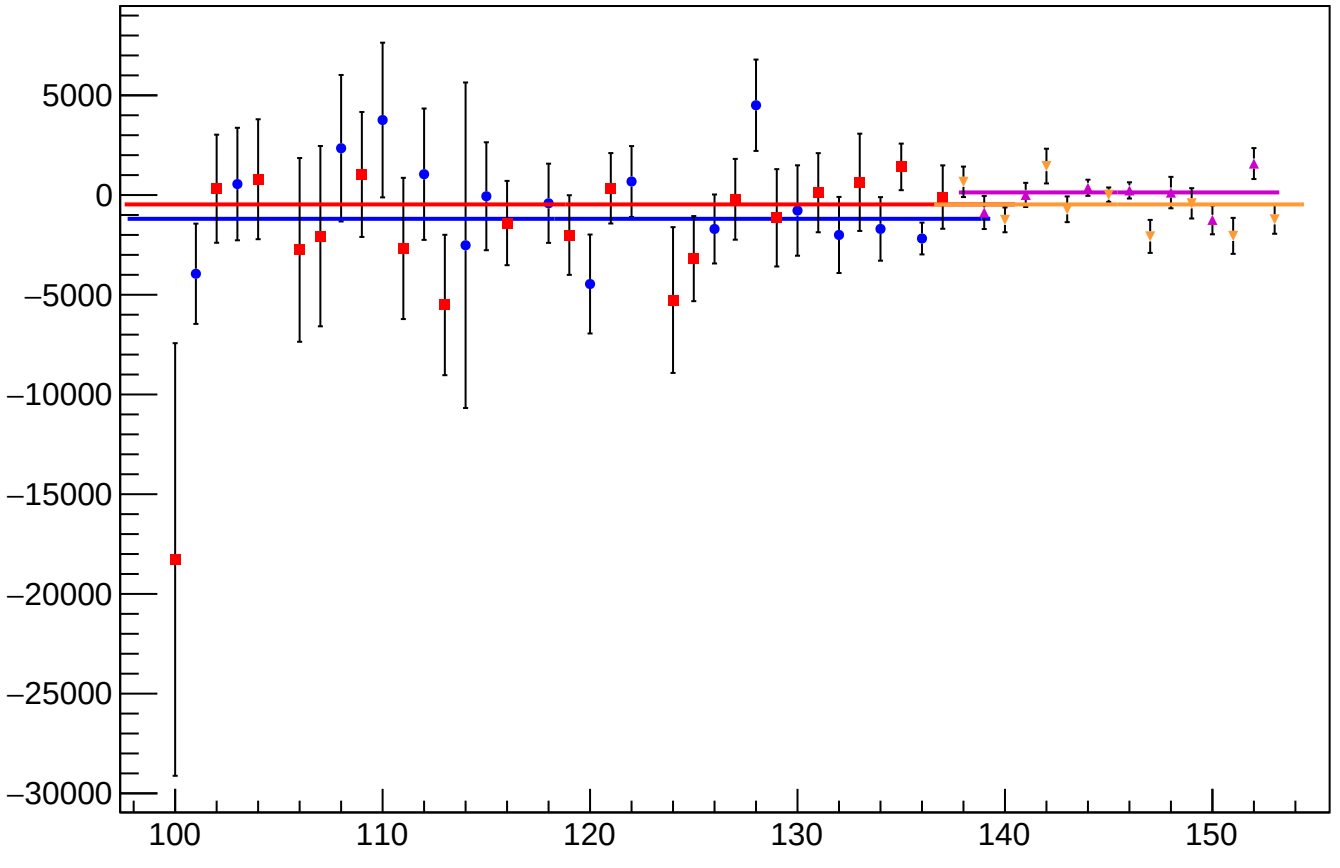
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.906+/-0.025 χ^2/NDF:192843.1/6

+ sign 98.256+/-0.019 χ^2/NDF: 2148489.8/24

All: 98.969+/-0.014 χ^2/NDF: 4723799.3/50

- sign 99.760+/-0.020 χ^2/NDF: 2572420.1/25



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -470.290+/-213.343 χ^2/NDF:18.5/8

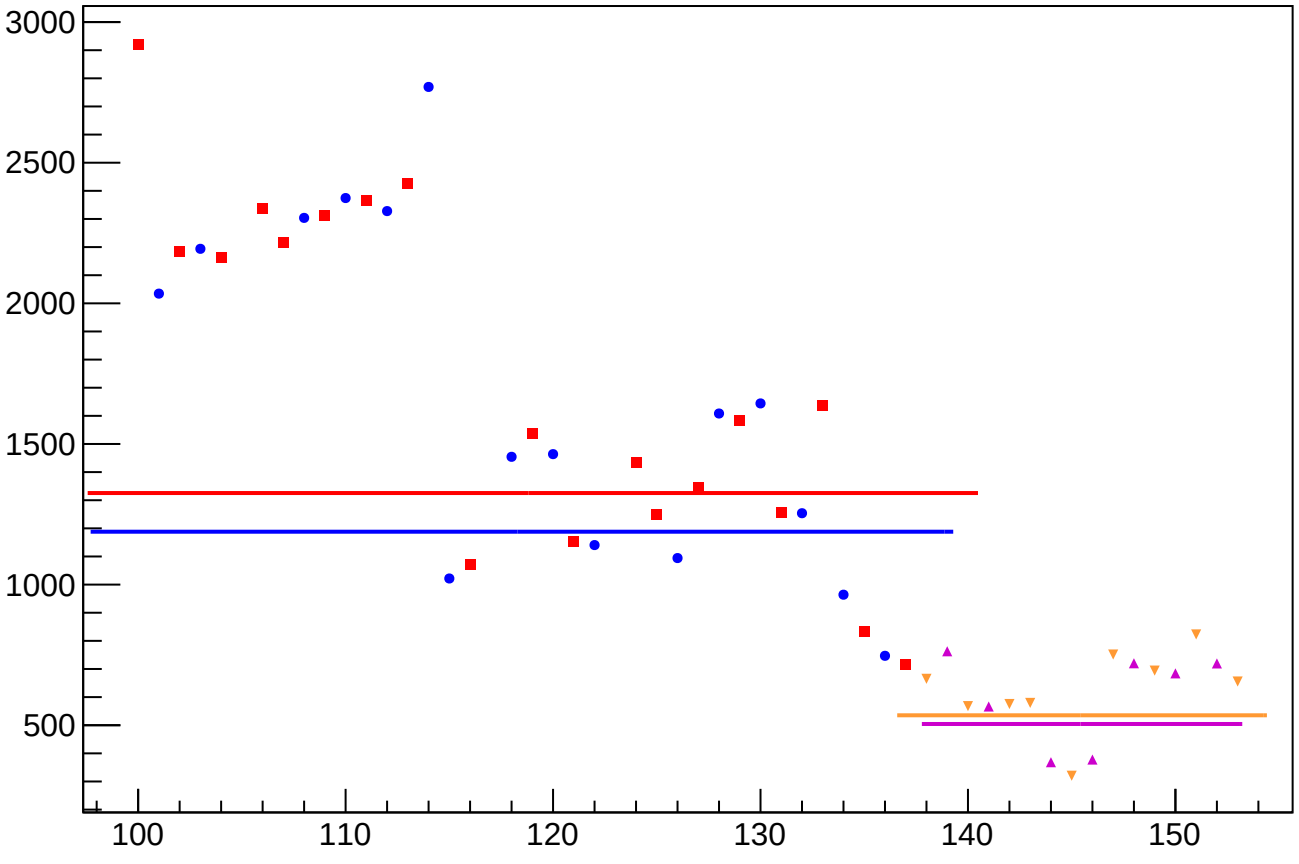
Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 131.307+/-215.662 χ^2/NDF:9.0/6

+ sign -589.822+/-194.881 χ^2/NDF: 36.3/24

All: -280.199+/-139.349 χ^2/NDF: 64.9/50

- sign 43.731+/-199.333 χ^2/NDF: 23.5/25



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 535.343+/-0.151 χ^2/NDF:1262516.3/8

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

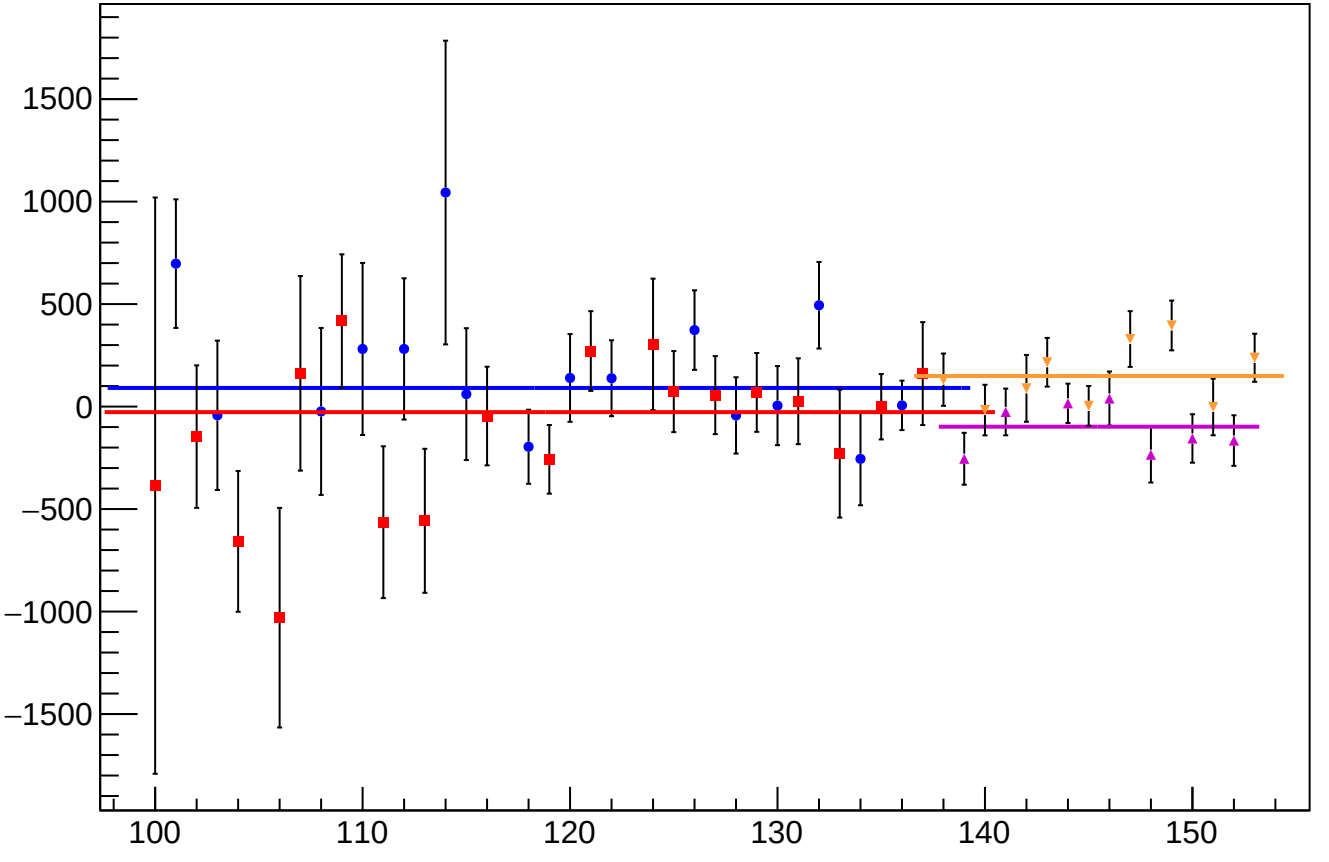
Left In: 504.433+/-0.152 χ^2/NDF:1061363.1/6

+ sign 643.428+/-0.138 χ^2/NDF: 6407212.9/24

All: 633.971+/-0.099 χ^2/NDF: 13623780.4/50

- sign 624.077+/-0.141 χ^2/NDF: 7206929.9/25

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 149.077+/-41.206 χ^2/NDF:12.2/8

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

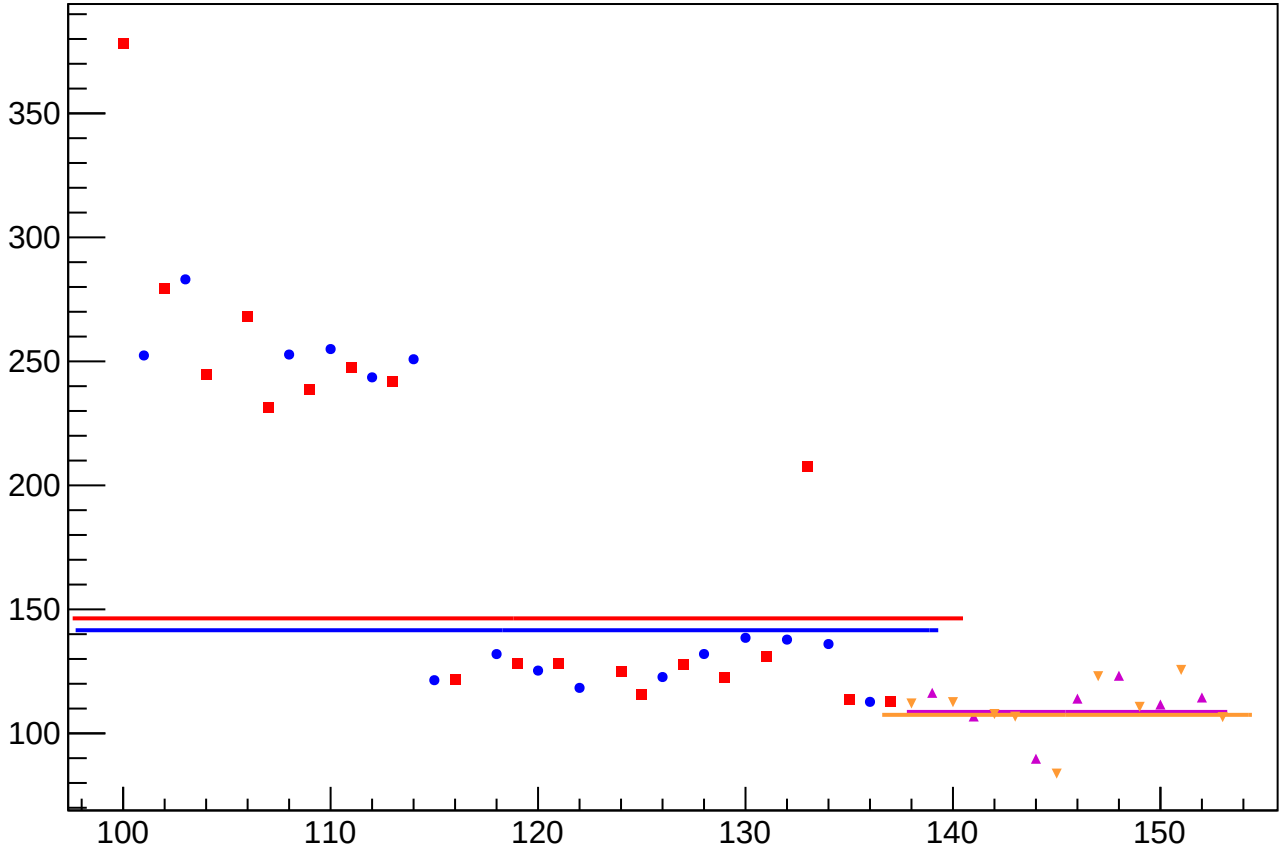
Left In: -98.188+/-44.875 χ^2/NDF:6.0/6

+ sign 128.438+/-33.098 χ^2/NDF: 31.0/24

All: 35.018+/-24.133 χ^2/NDF: 75.5/50

- sign -71.022+/-35.263 χ^2/NDF: 27.5/25

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.472+/-0.029 χ^2/NDF:187807.6/8

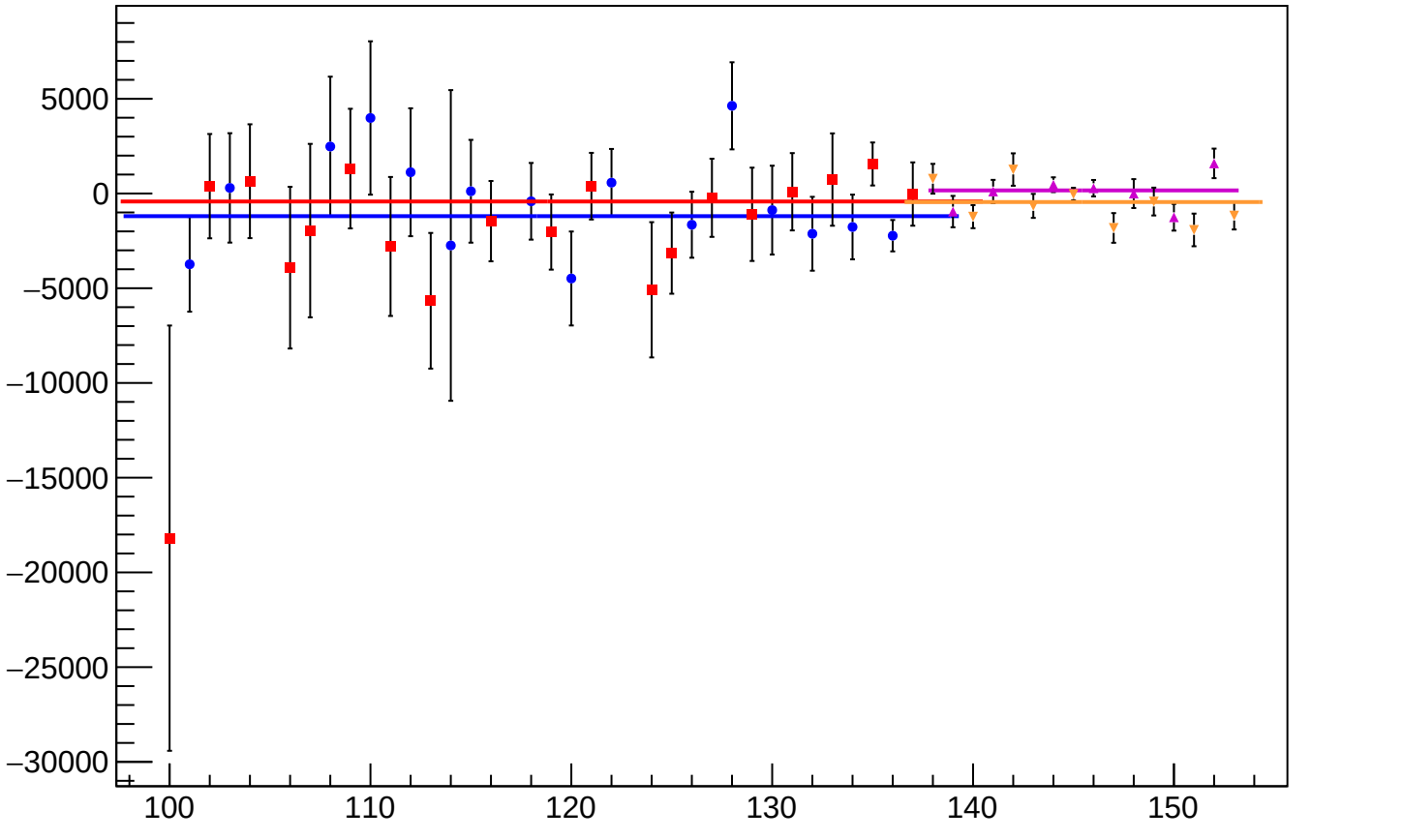
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 108.647+/-0.032 χ^2/NDF:117045.1/6

+ sign 119.576+/-0.023 χ^2/NDF: 1936565.7/24

All: 121.216+/-0.017 χ^2/NDF: 4118300.5/50

- sign 123.076+/-0.025 χ^2/NDF: 2171260.3/25



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -450.228+/-204.850 χ^2/NDF:16.7/8

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

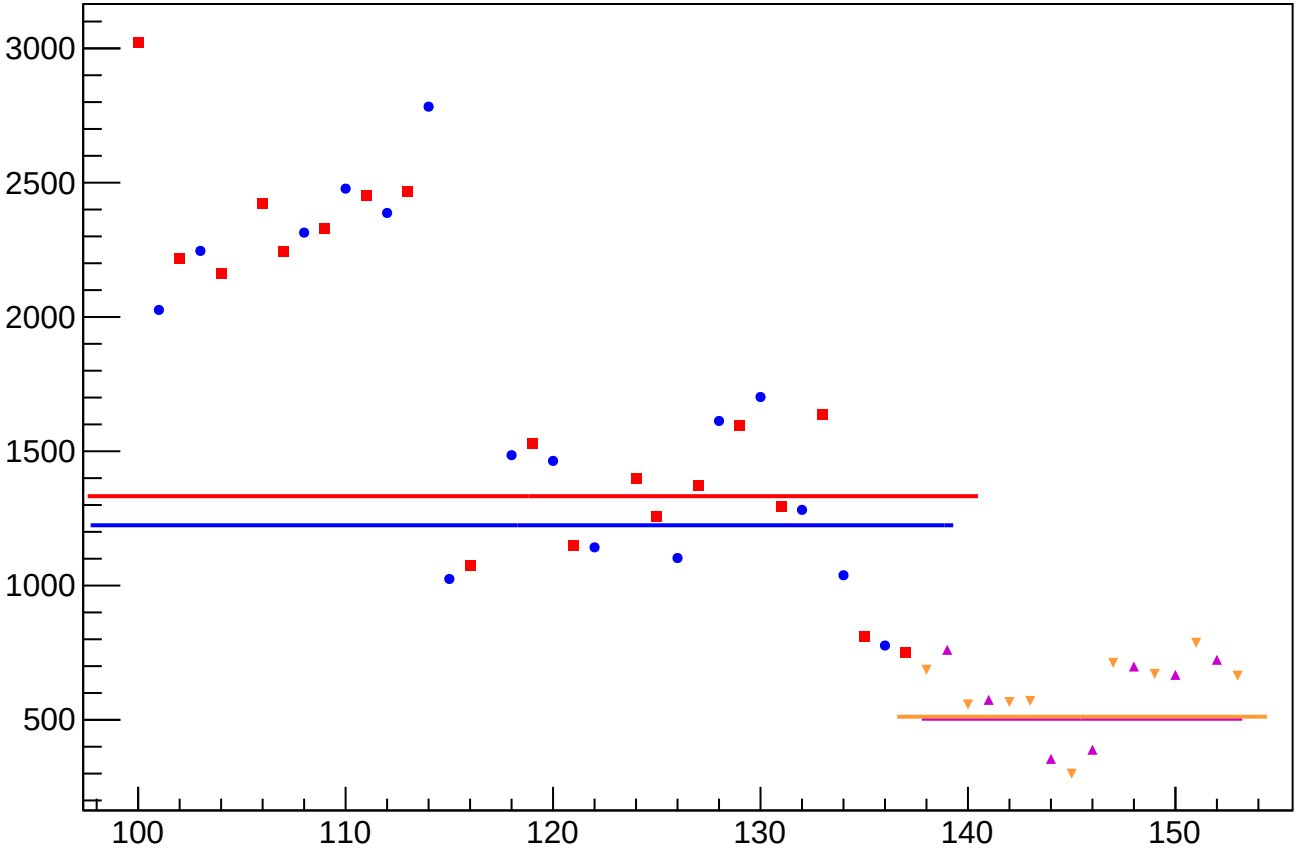
Left In: 163.238+/-216.607 χ^2/NDF:9.9/6

+ sign -560.745+/-189.078 χ^2/NDF: 34.6/24

All: -259.672+/-137.452 χ^2/NDF: 65.3/50

- sign 77.759+/-200.169 χ^2/NDF: 25.3/25

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 511.749+/-0.145 χ^2/NDF:1459289.2/8

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

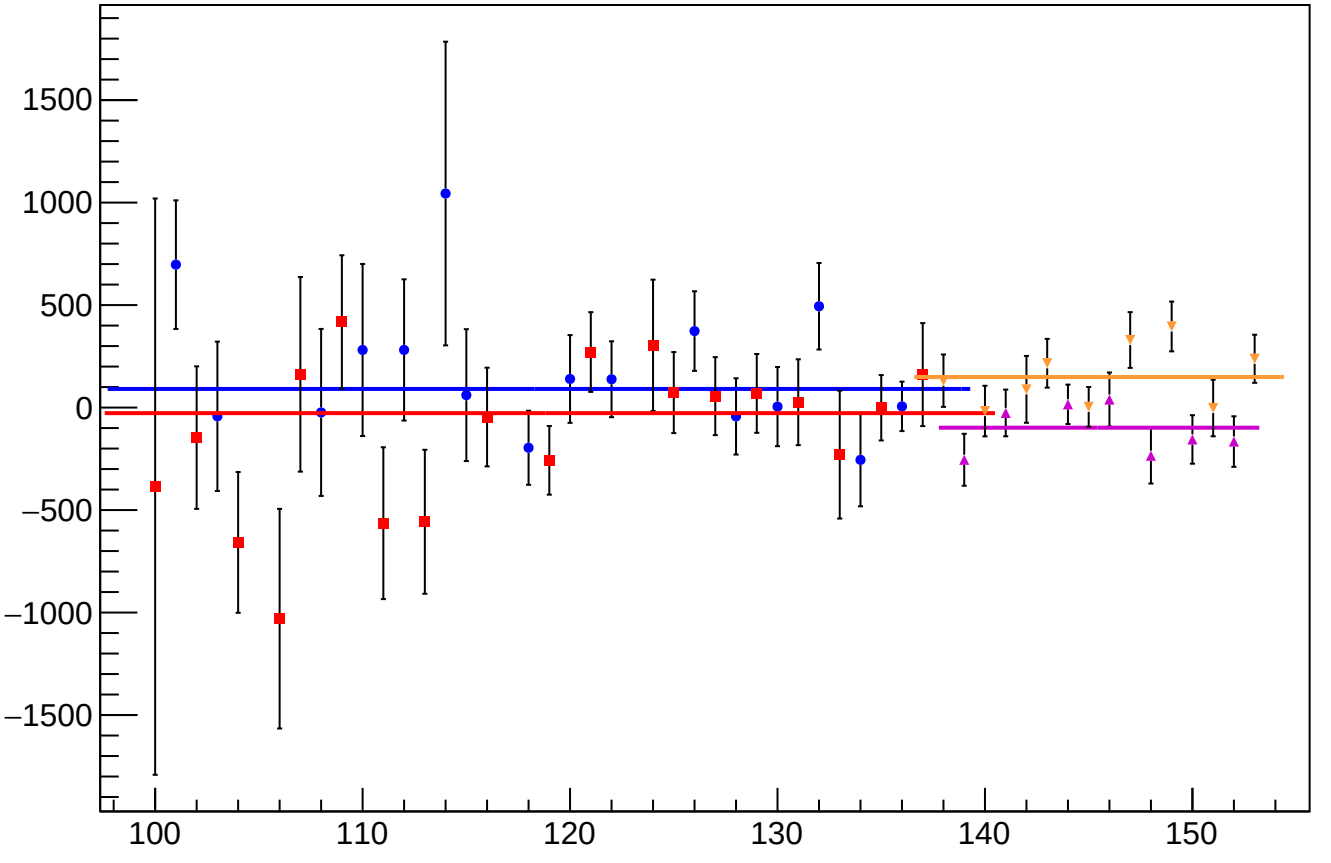
Left In: 504.199+/-0.153 χ^2/NDF:1046550.6/6

+ sign 617.274+/-0.134 χ^2/NDF: 7003217.3/24

All: 621.006+/-0.097 χ^2/NDF: 14319561.0/50

- sign 625.187+/-0.142 χ^2/NDF: 7314692.0/25

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 149.076+/-41.206 χ^2/NDF:12.2/8

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

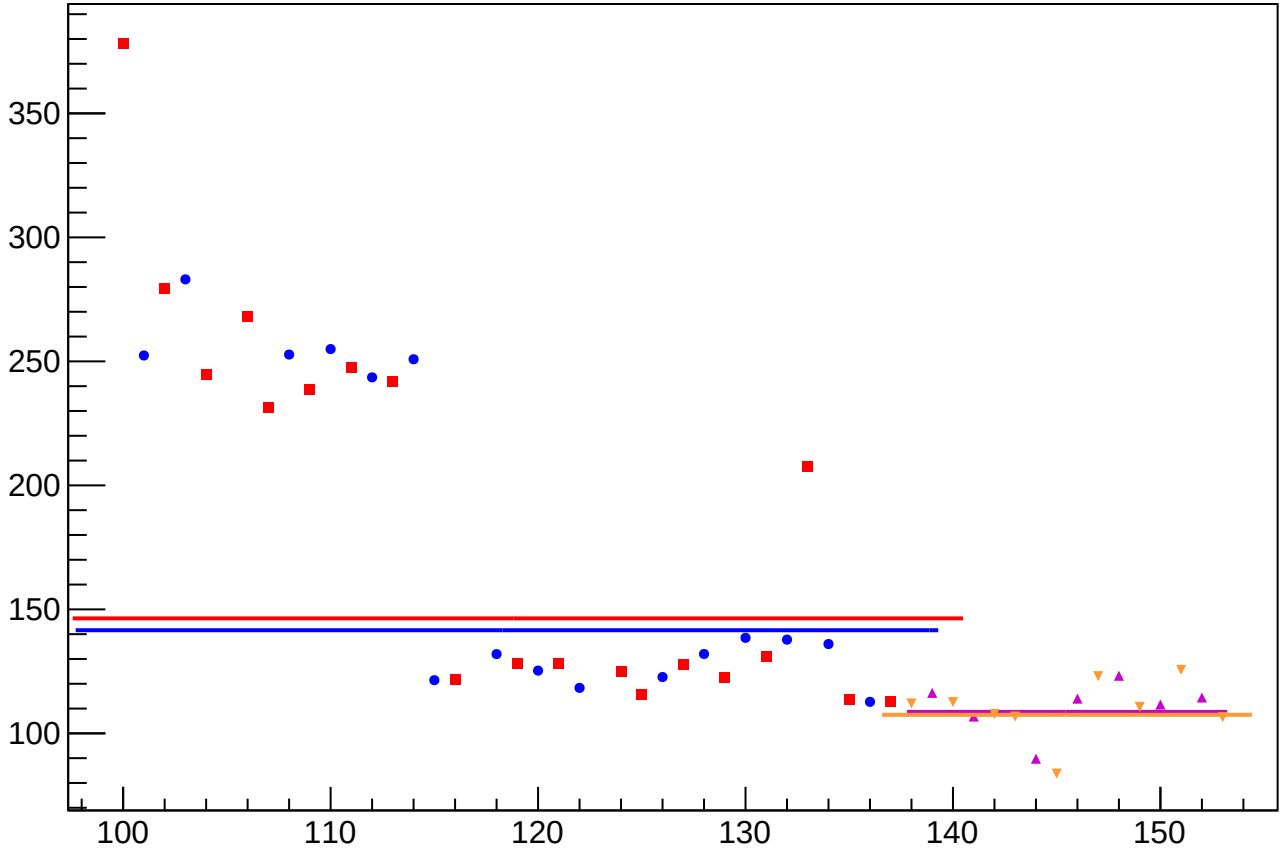
Left In: -98.187+/-44.875 χ^2/NDF:6.0/6

+ sign 128.438+/-33.098 χ^2/NDF: 31.0/24

All: 35.019+/-24.133 χ^2/NDF: 75.5/50

- sign -71.021+/-35.263 χ^2/NDF: 27.5/25

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.473+/-0.029 χ^2/NDF:187799.9/8

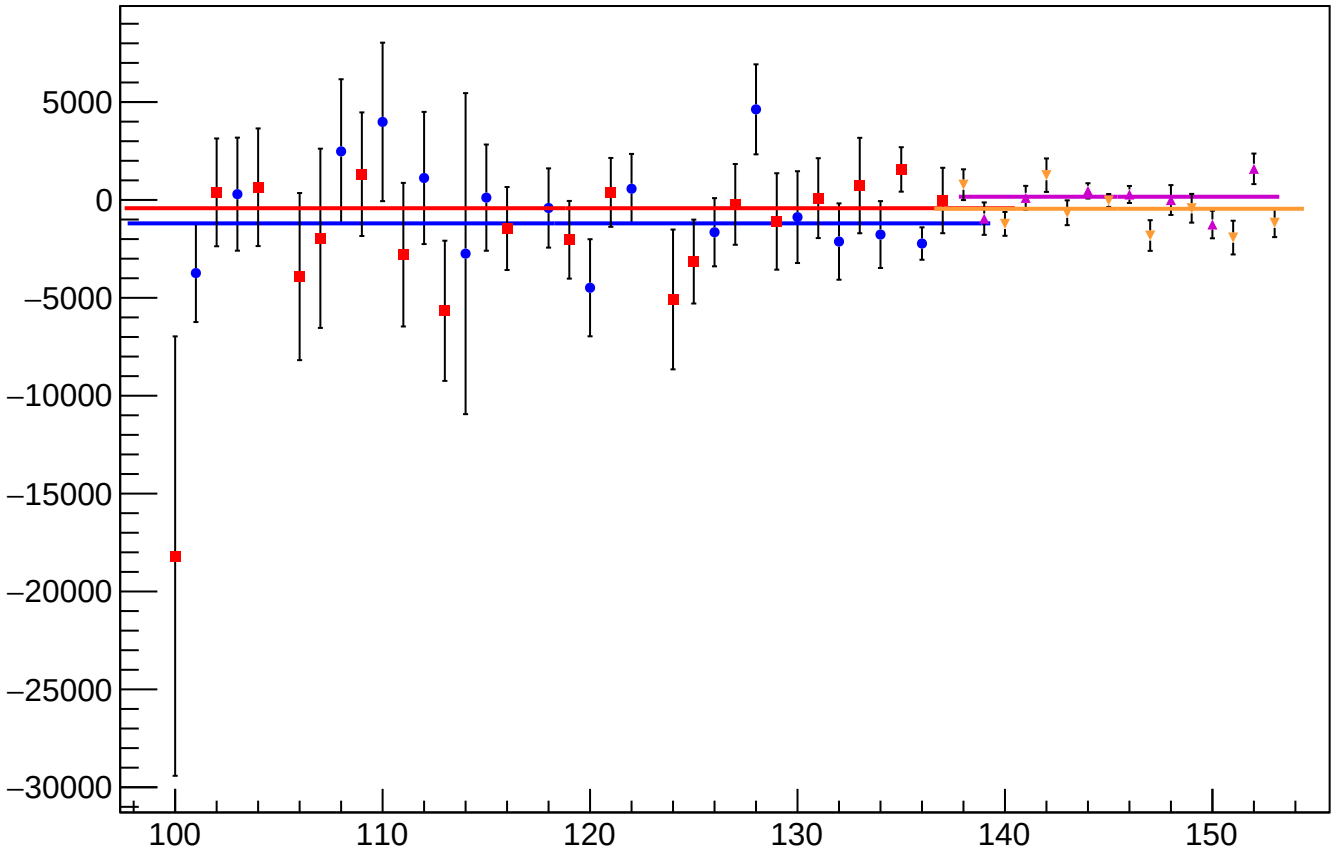
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 108.648+/-0.032 χ^2/NDF:117042.1/6

+ sign 119.577+/-0.023 χ^2/NDF: 1936510.6/24

All: 121.216+/-0.017 χ^2/NDF: 4118202.9/50

- sign 123.077+/-0.025 χ^2/NDF: 2171217.1/25



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -450.226+/-204.849 χ^2/NDF:16.7/8

Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

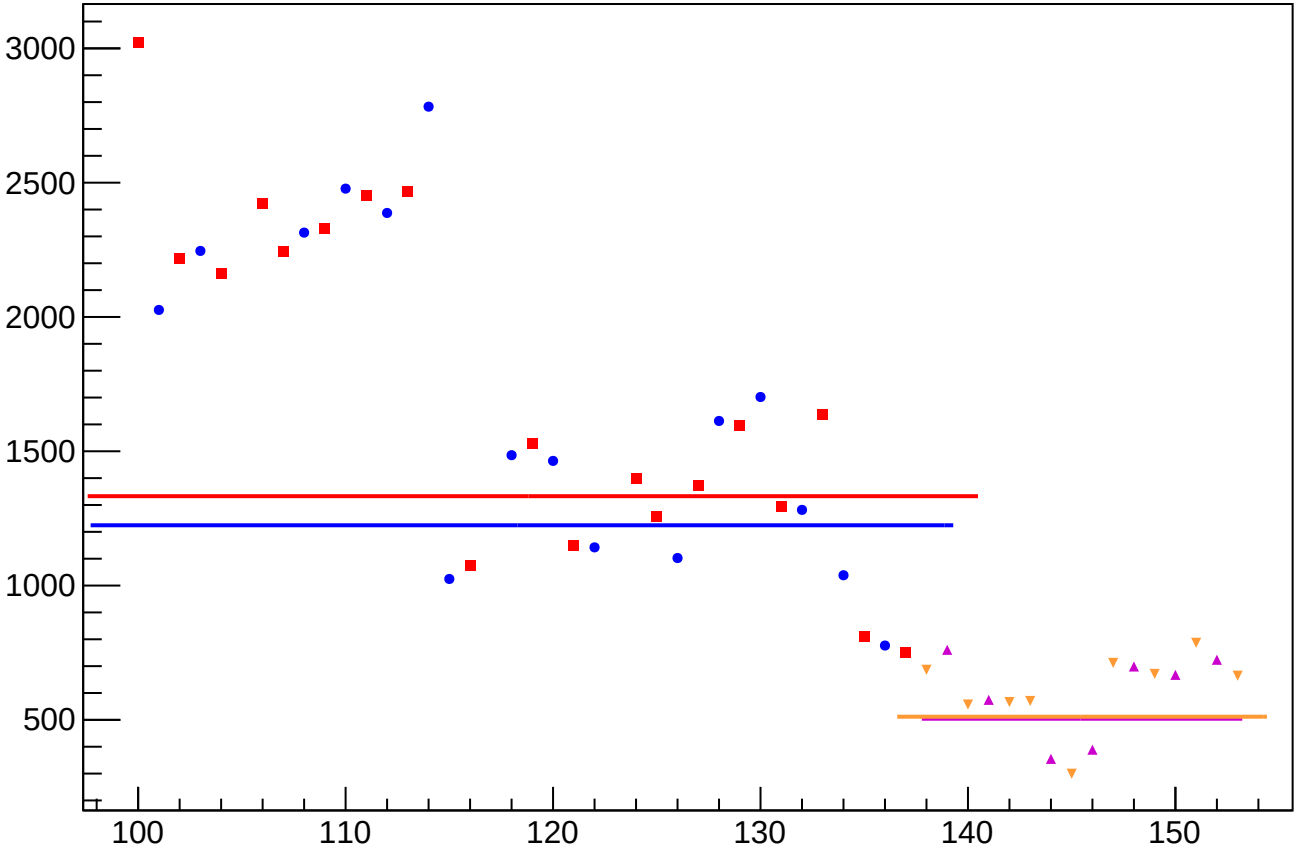
Left In: 163.238+/-216.607 χ^2/NDF:9.9/6

+ sign -560.743+/-189.077 χ^2/NDF: 34.6/24

All: -259.671+/-137.452 χ^2/NDF: 65.3/50

- sign 77.759+/-200.169 χ^2/NDF: 25.3/25

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 511.746+/-0.145 χ^2/NDF:1459324.8/8

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

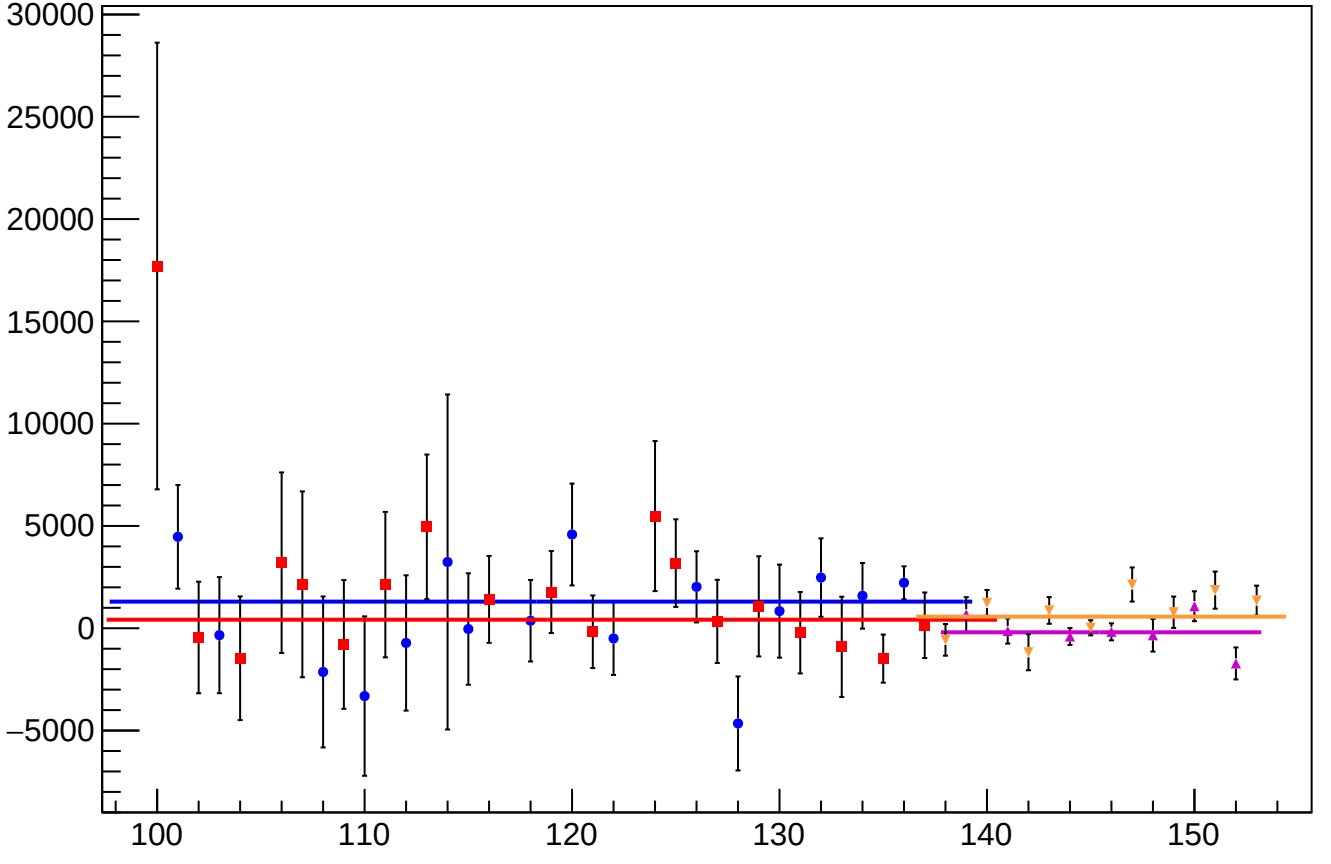
Left In: 504.197+/-0.153 χ^2/NDF:1046560.9/6

+ sign 617.272+/-0.134 χ^2/NDF: 7003261.6/24

All: 621.004+/-0.097 χ^2/NDF: 14319616.4/50

- sign 625.186+/-0.142 χ^2/NDF: 7314702.6/25

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 566.703+/-216.568 χ^2/NDF:16.4/8

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

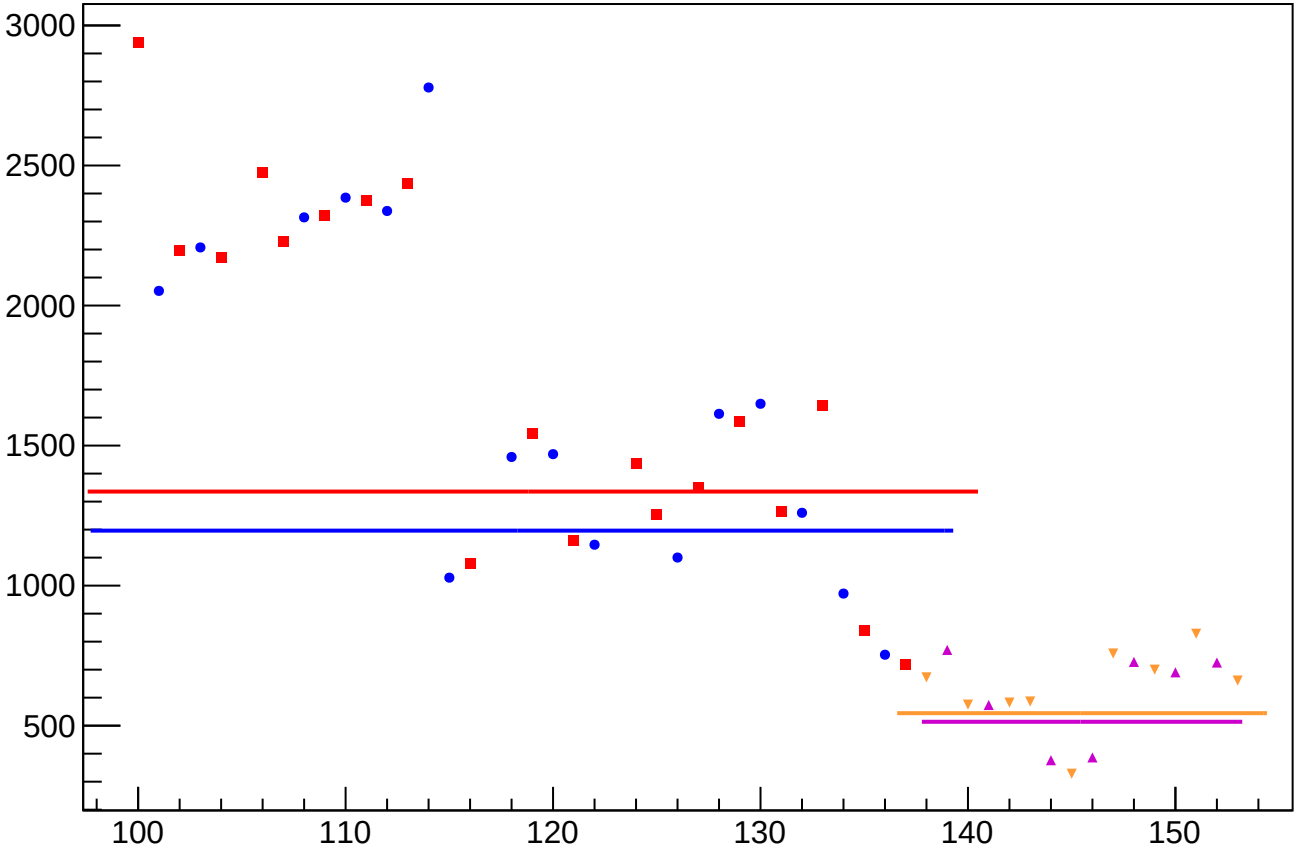
Left In: -197.242+/-219.251 χ^2/NDF:8.2/6

+ sign 690.165+/-197.541 χ^2/NDF: 34.8/24

All: 301.689+/-141.331 χ^2/NDF: 65.1/50

- sign -105.688+/-202.289 χ^2/NDF: 22.4/25

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 544.624+/-0.153 χ^2/NDF:1209247.3/8

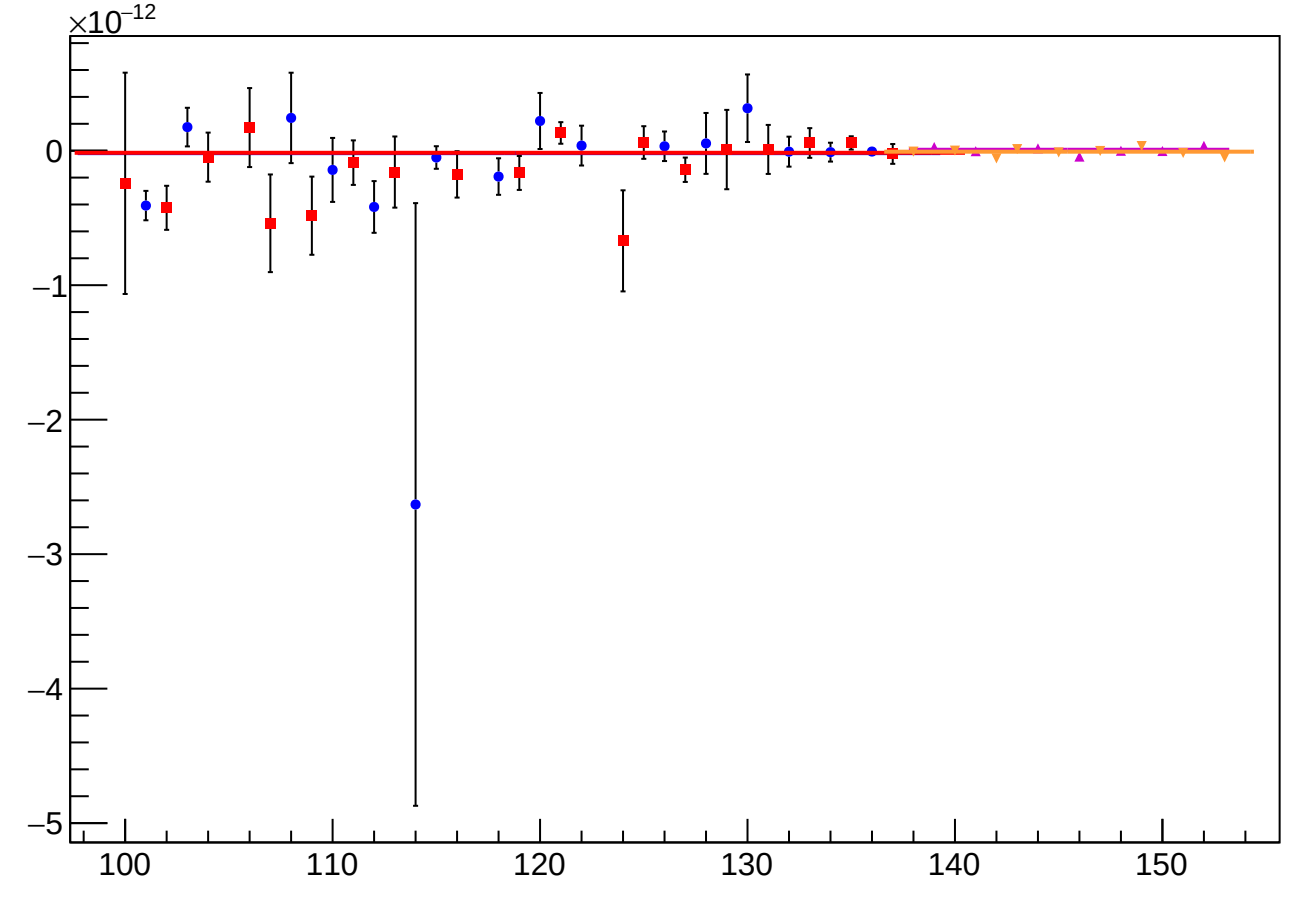
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 513.858+/-0.155 χ^2/NDF:1021513.1/6

+ sign 654.111+/-0.140 χ^2/NDF: 6283734.7/24

All: 645.327+/-0.100 χ^2/NDF: 13445705.1/50

- sign 636.115+/-0.143 χ^2/NDF: 7153868.4/25



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/8

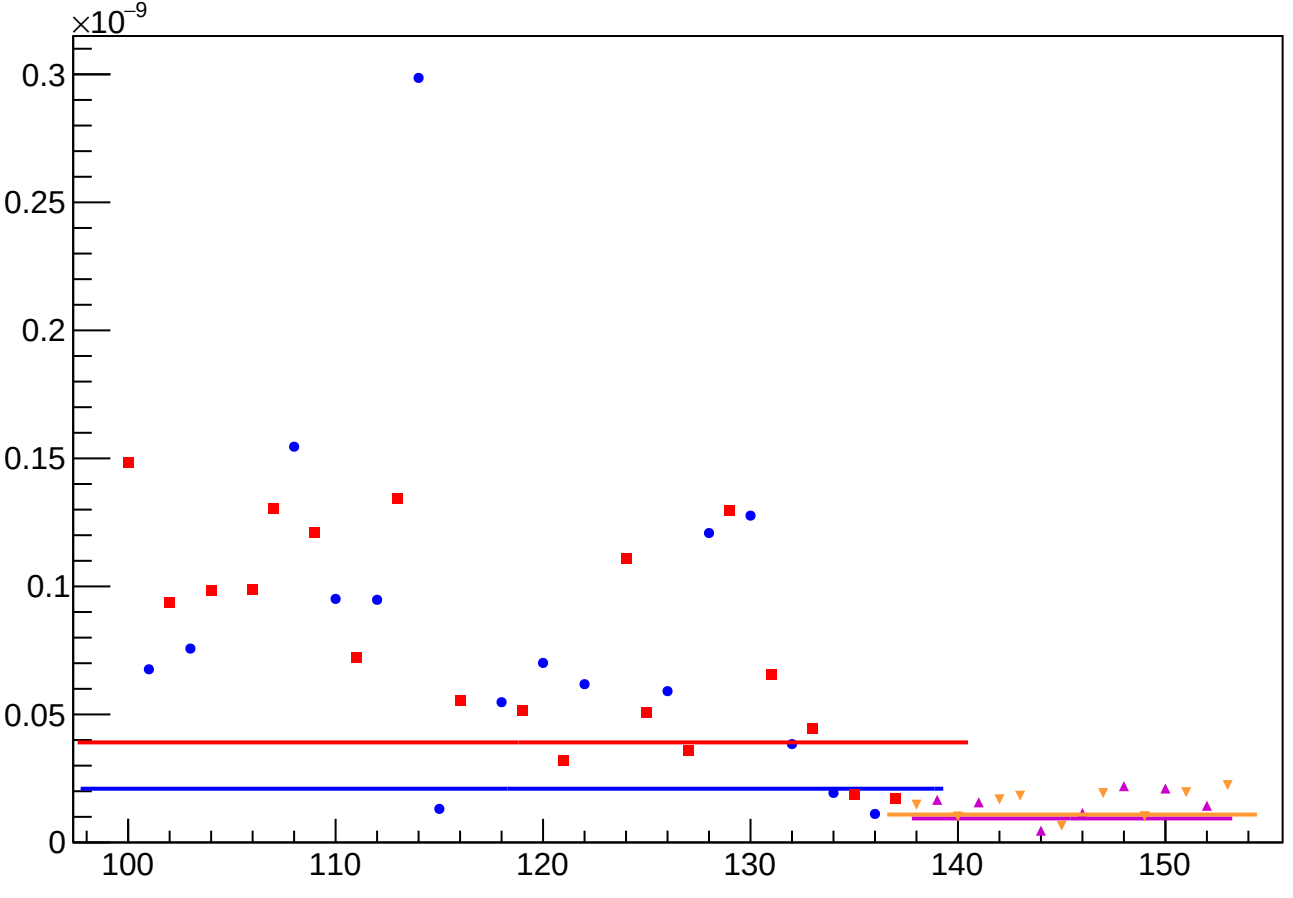
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 34.7/24

All: -0.000+/-0.000 χ^2/NDF: 74.0/50

- sign 0.000+/-0.000 χ^2/NDF: 37.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1022642.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

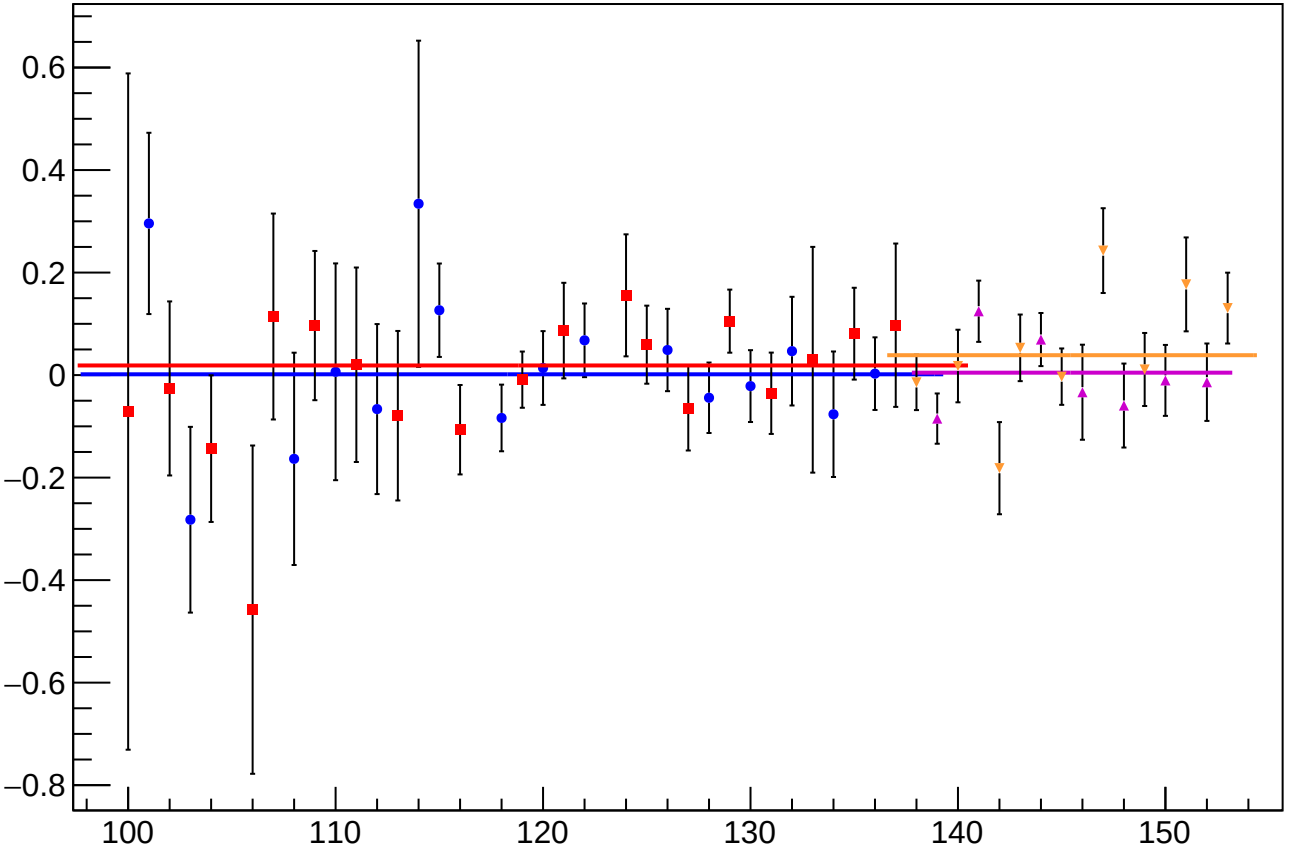
Left In: 0.000+/-0.000 χ^2/NDF:1343966.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 4956919.6/24

All: 0.000+/-0.000 χ^2/NDF: 10574199.7/50

- sign 0.000+/-0.000 χ^2/NDF: 5592957.4/25

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.023 χ^2/NDF:18.0/8

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

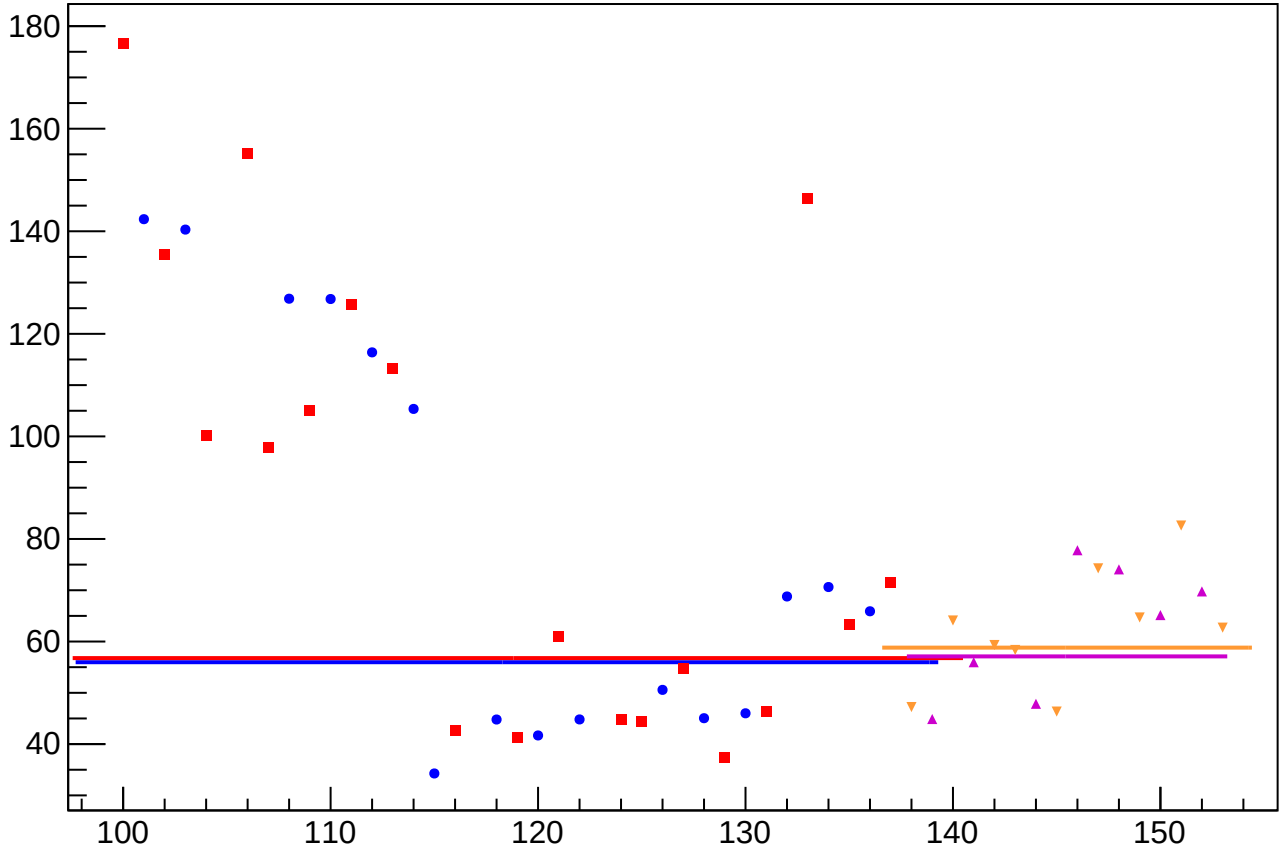
Left In: 0.005+/-0.024 χ^2/NDF:9.8/6

+ sign 0.021+/-0.016 χ^2/NDF: 32.3/24

All: 0.016+/-0.012 χ^2/NDF: 55.6/50

- sign 0.012+/-0.017 χ^2/NDF: 23.1/25

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.812+/-0.016 χ^2/NDF:430937.4/8

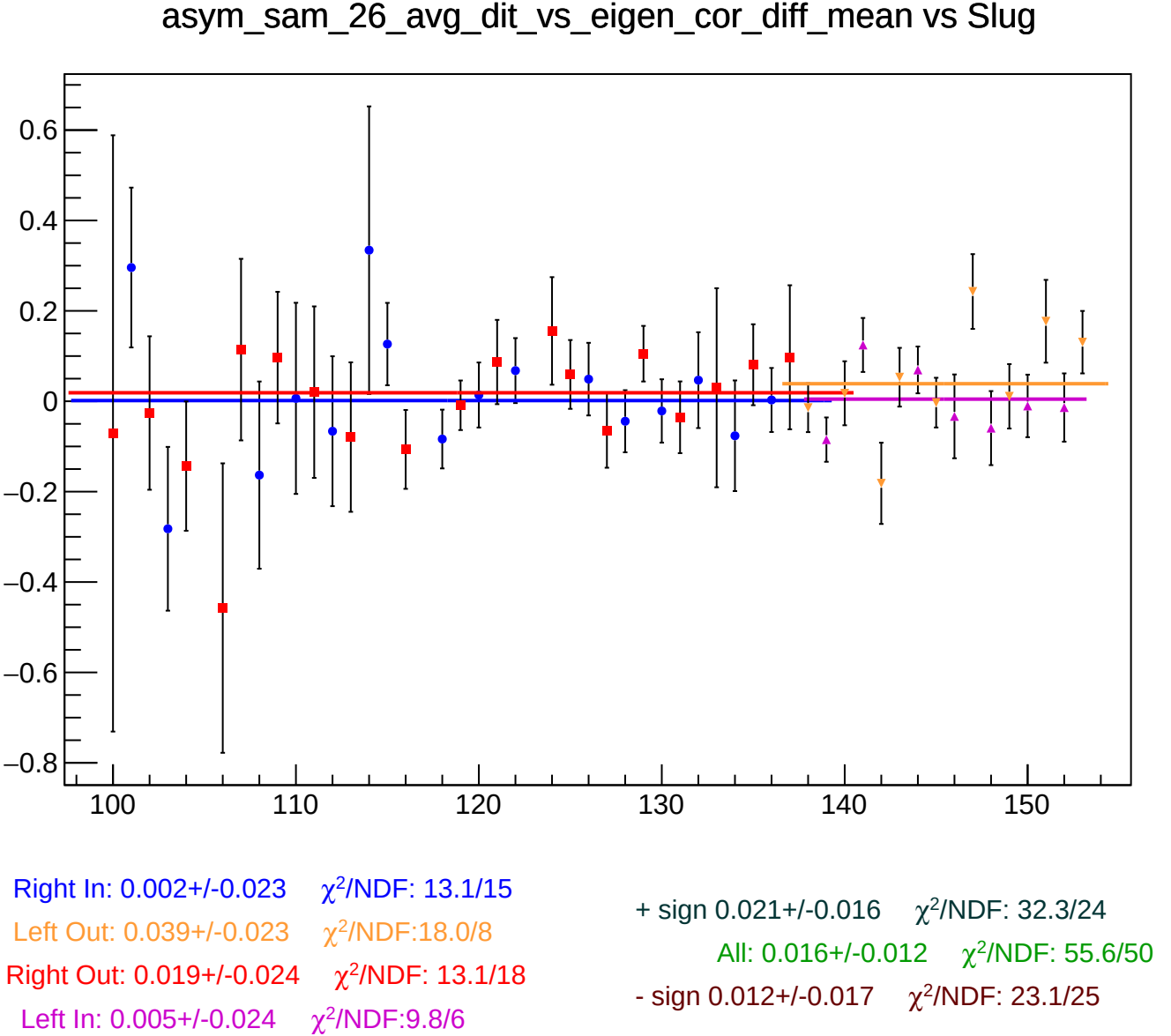
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

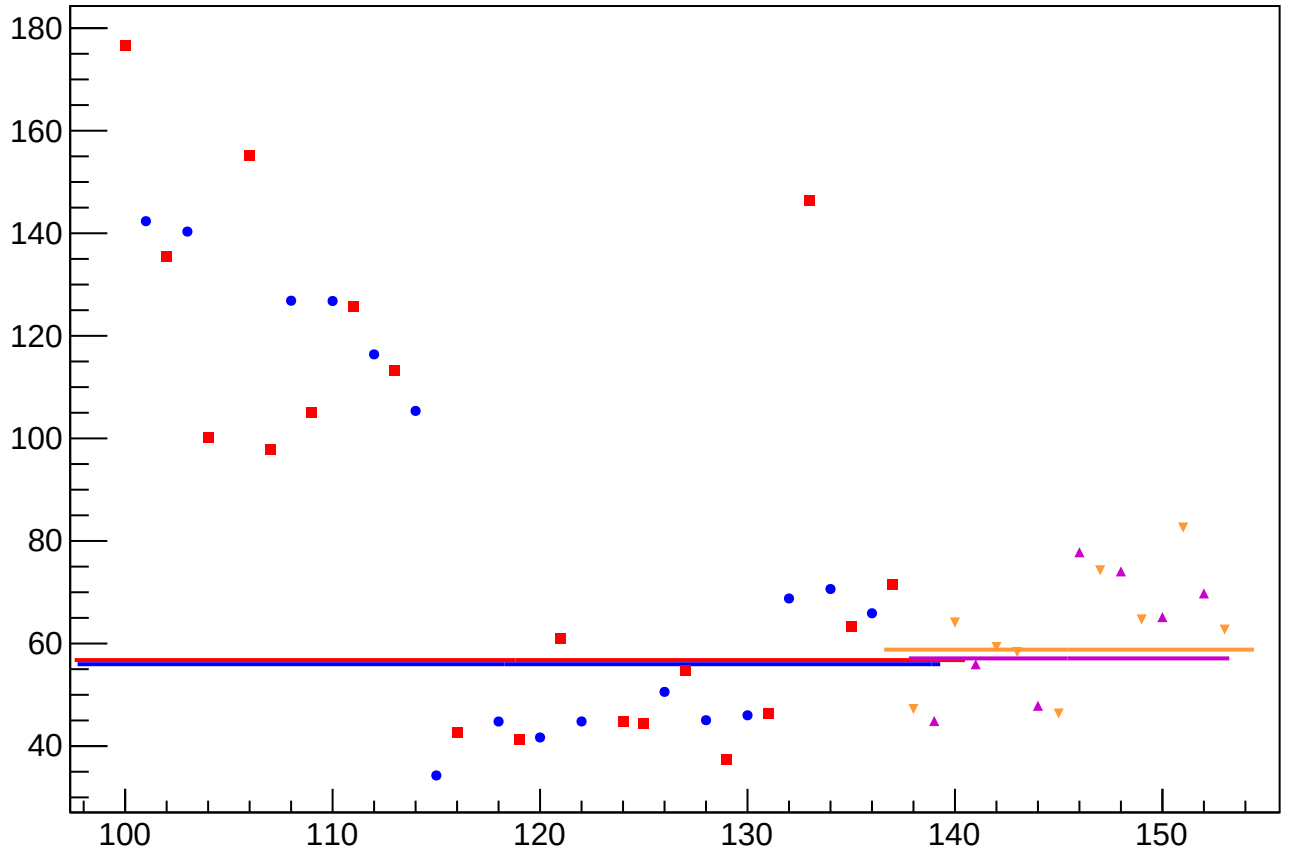
Left In: 57.102+/-0.017 χ^2/NDF:457393.6/6

+ sign 57.421+/-0.012 χ^2/NDF: 2625836.7/24

All: 57.183+/-0.008 χ^2/NDF: 5637514.9/50

- sign 56.932+/-0.012 χ^2/NDF: 3010811.0/25


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.039+/-0.023 χ²/NDF:18.0/8
Right Out: 0.019+/-0.024 χ²/NDF: 13.1/18
Left In: 0.005+/-0.024 χ²/NDF:9.8/6
+ sign 0.021+/-0.016 χ²/NDF: 32.3/24
All: 0.016+/-0.012 χ²/NDF: 55.6/50
- sign 0.012+/-0.017 χ²/NDF: 23.1/25



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.812+/-0.016 χ^2/NDF:430937.4/8

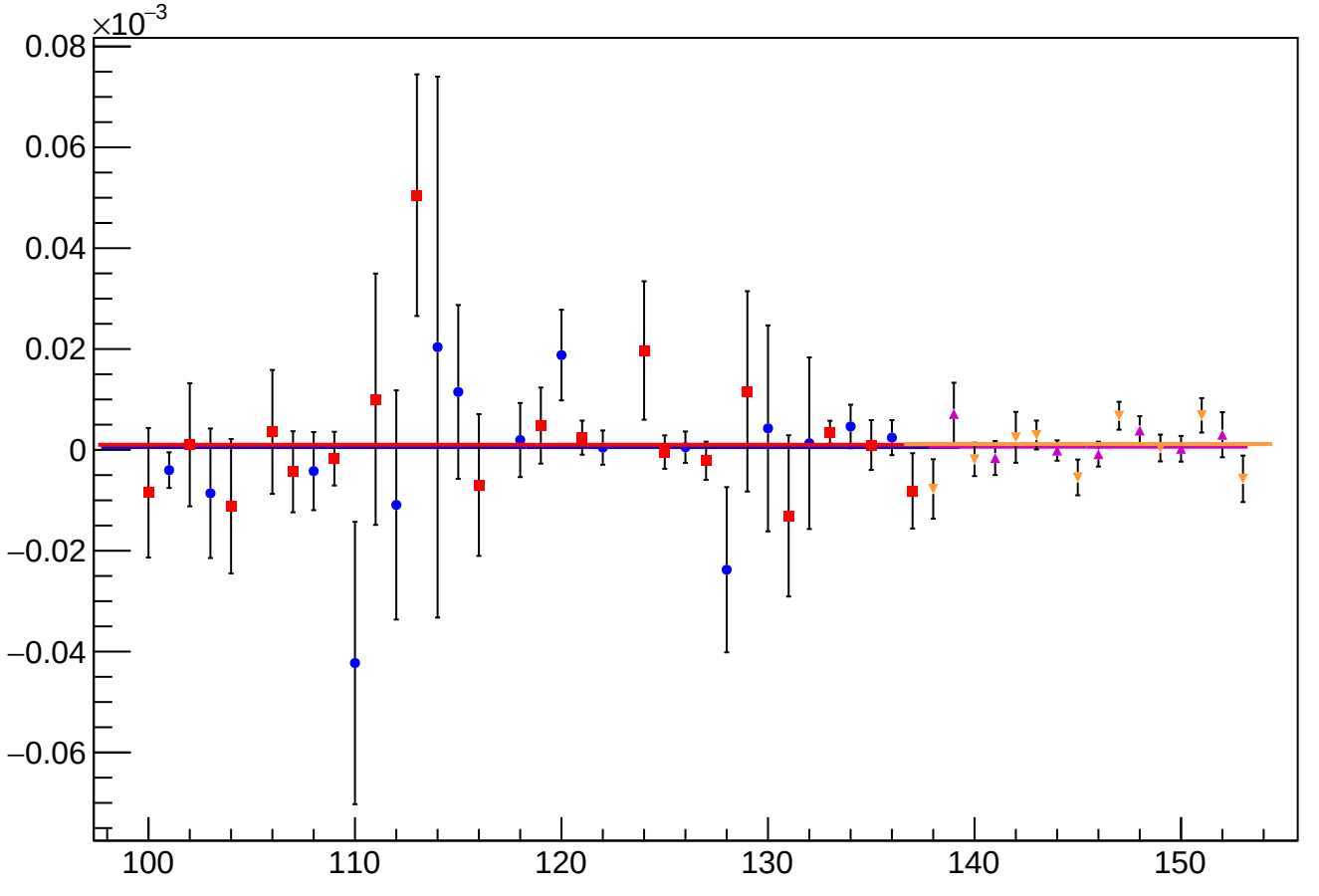
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.102+/-0.017 χ^2/NDF:457393.6/6

+ sign 57.421+/-0.012 χ^2/NDF: 2625836.7/24

All: 57.183+/-0.008 χ^2/NDF: 5637514.9/50

- sign 56.932+/-0.012 χ^2/NDF: 3010811.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/8

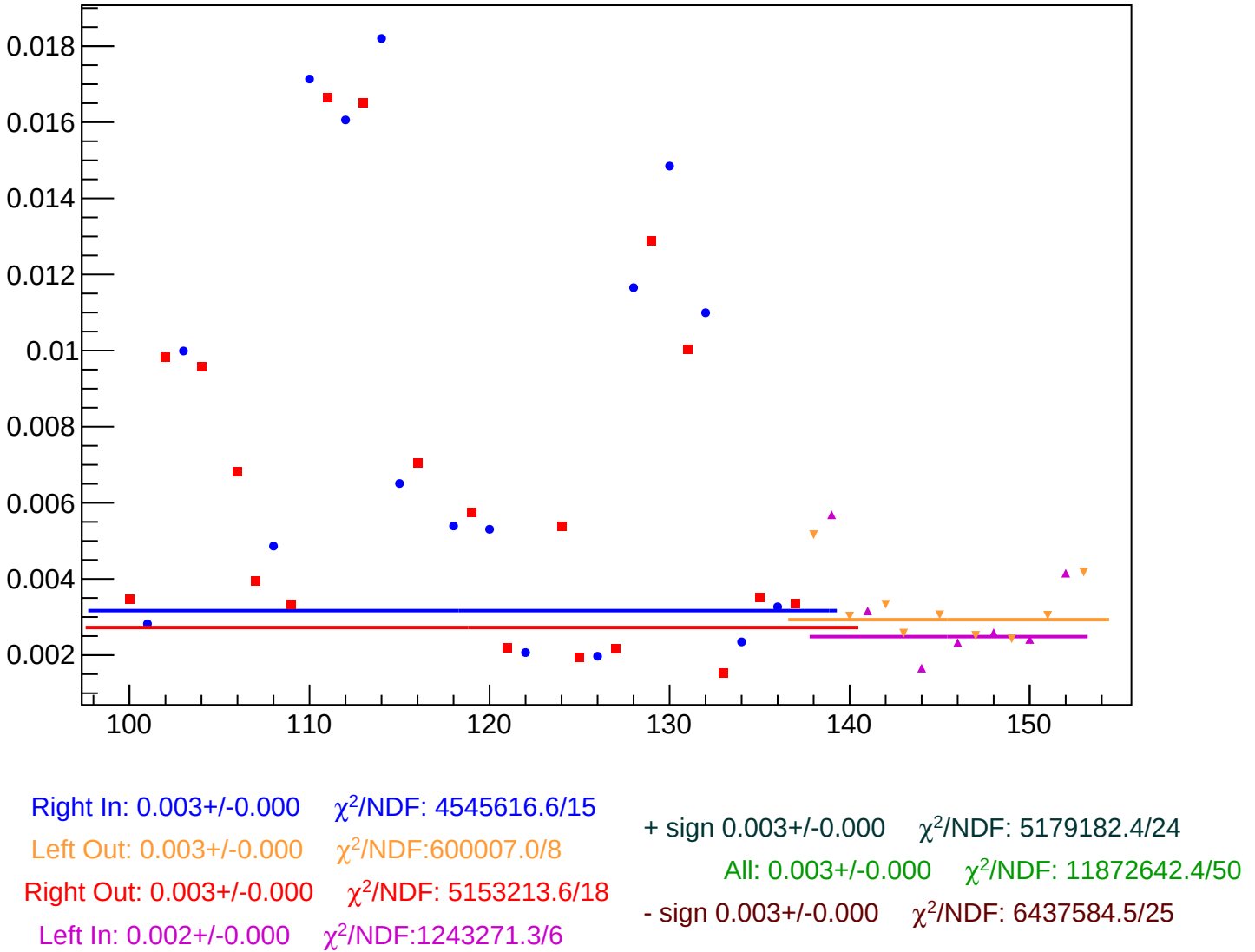
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

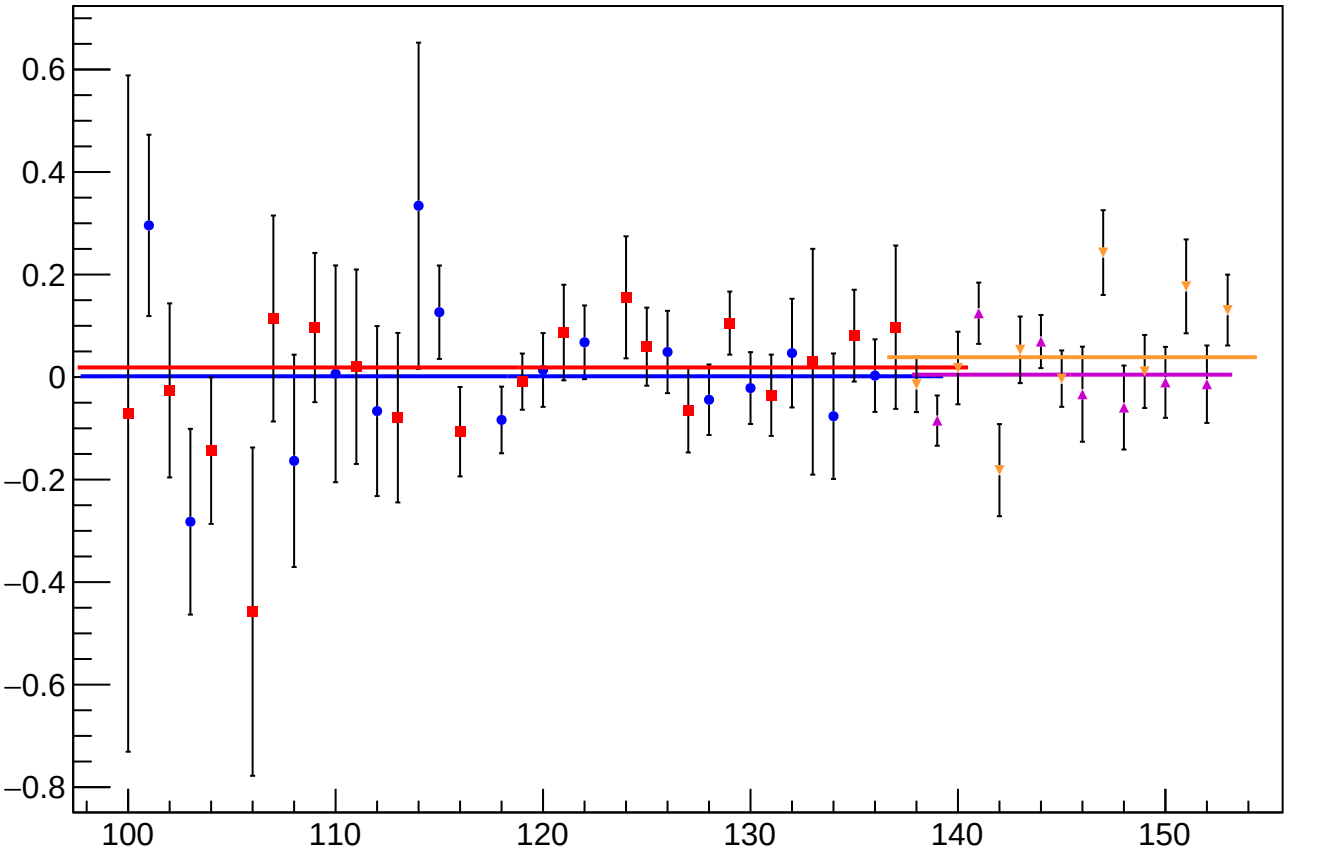
Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 29.7/24

All: 0.000+/-0.000 χ^2/NDF: 47.2/50

- sign 0.000+/-0.000 χ^2/NDF: 17.5/25


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:600007.0/8
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.002+/-0.000 χ²/NDF:1243271.3/6
+ sign 0.003+/-0.000 χ²/NDF: 5179182.4/24
All: 0.003+/-0.000 χ²/NDF: 11872642.4/50
- sign 0.003+/-0.000 χ²/NDF: 6437584.5/25



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.023 χ^2/NDF:18.0/8

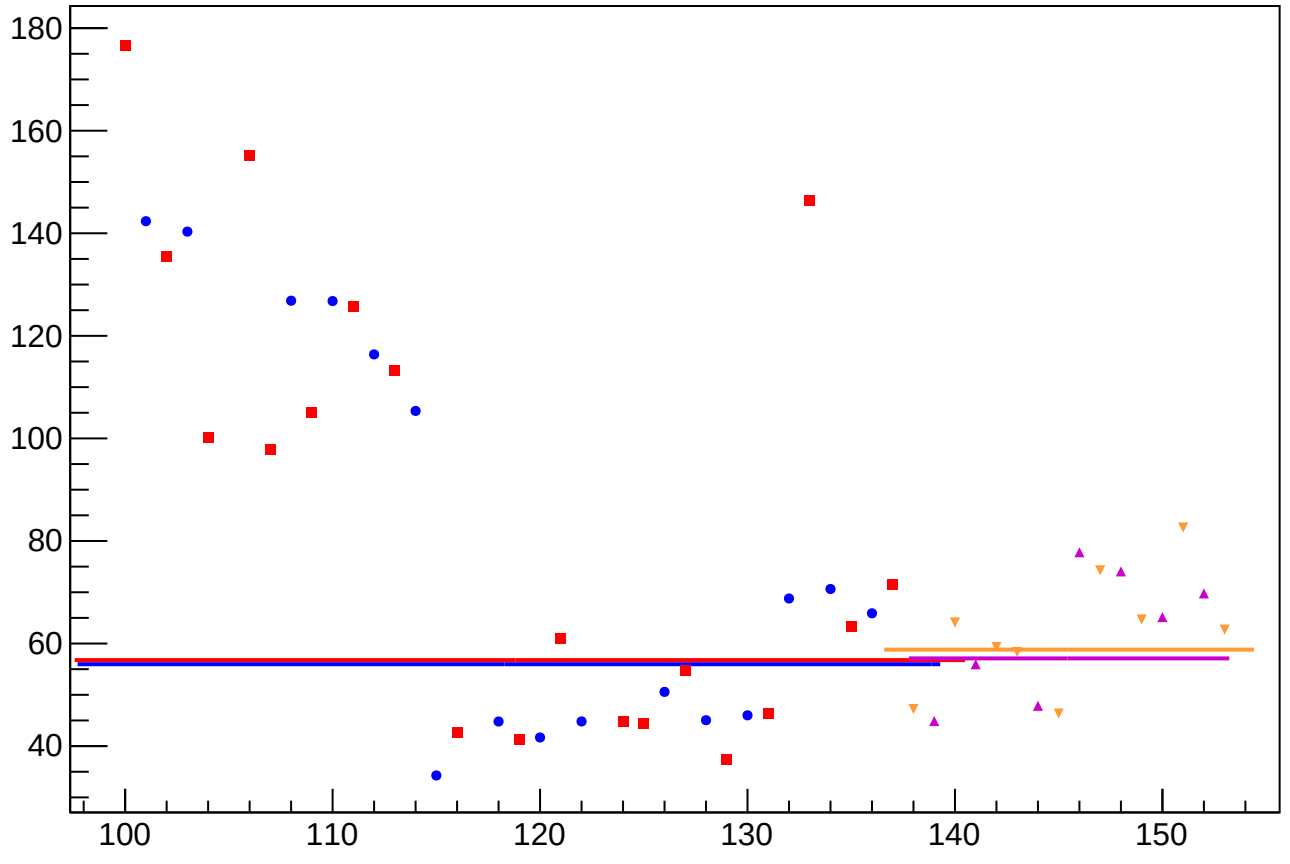
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.005+/-0.024 χ^2/NDF:9.8/6

+ sign 0.021+/-0.016 χ^2/NDF: 32.4/24

All: 0.016+/-0.012 χ^2/NDF: 55.6/50

- sign 0.012+/-0.017 χ^2/NDF: 23.1/25



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.813+/-0.016 χ^2/NDF:430932.0/8

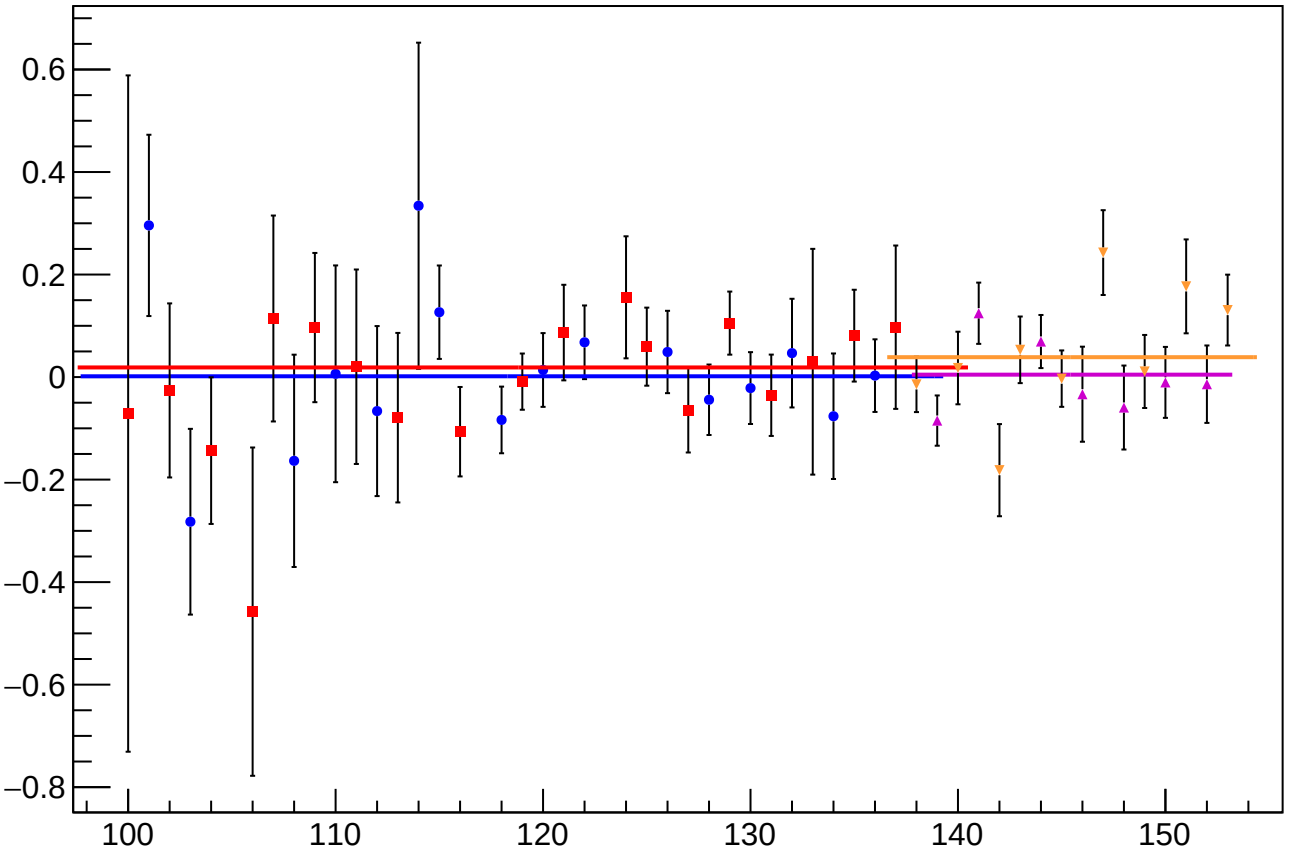
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.103+/-0.017 χ^2/NDF:457387.0/6

+ sign 57.421+/-0.012 χ^2/NDF: 2625770.0/24

All: 57.183+/-0.008 χ^2/NDF: 5637388.1/50

- sign 56.932+/-0.012 χ^2/NDF: 3010750.7/25



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.023 χ^2/NDF:18.0/8

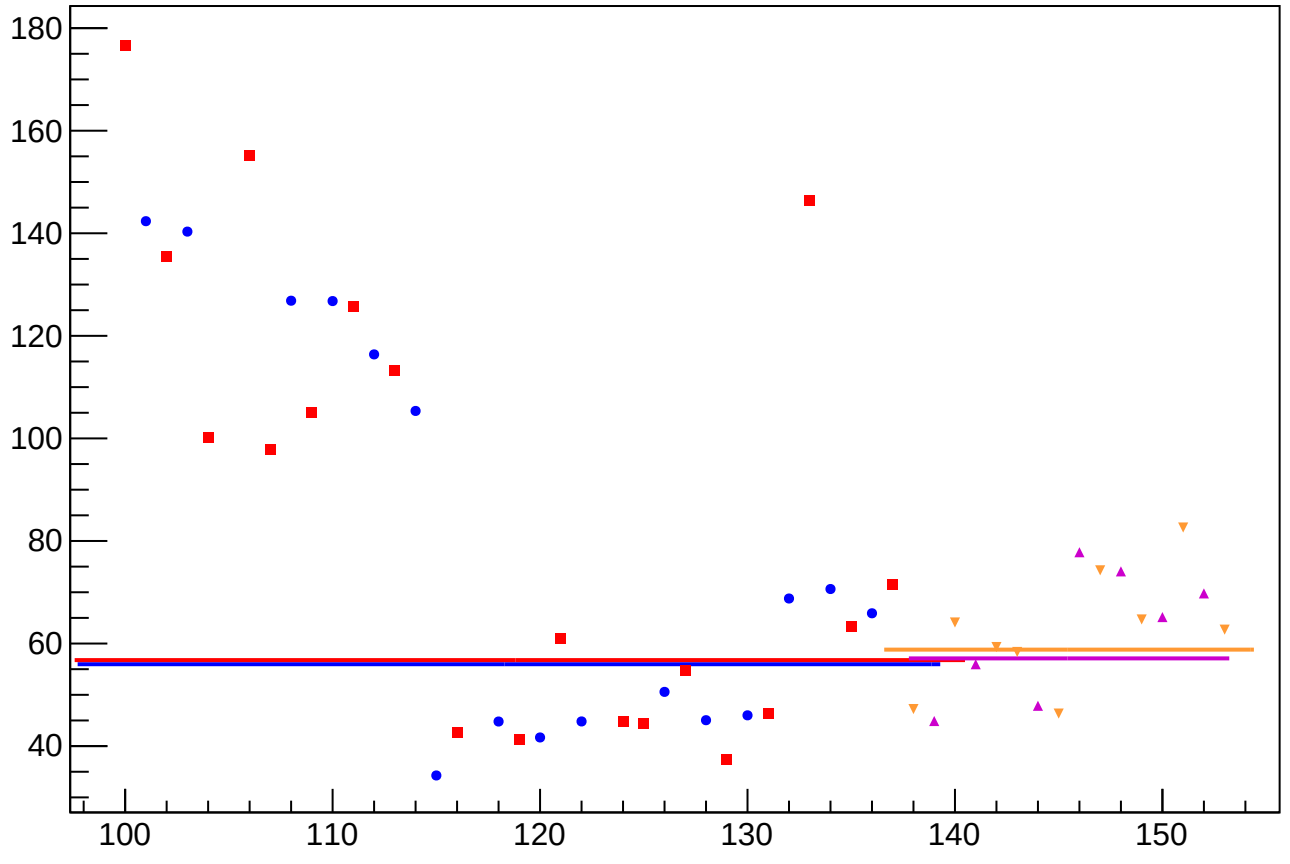
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.005+/-0.024 χ^2/NDF:9.8/6

+ sign 0.021+/-0.016 χ^2/NDF: 32.4/24

All: 0.016+/-0.012 χ^2/NDF: 55.6/50

- sign 0.012+/-0.017 χ^2/NDF: 23.1/25



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.813+/-0.016 χ^2/NDF:430932.0/8

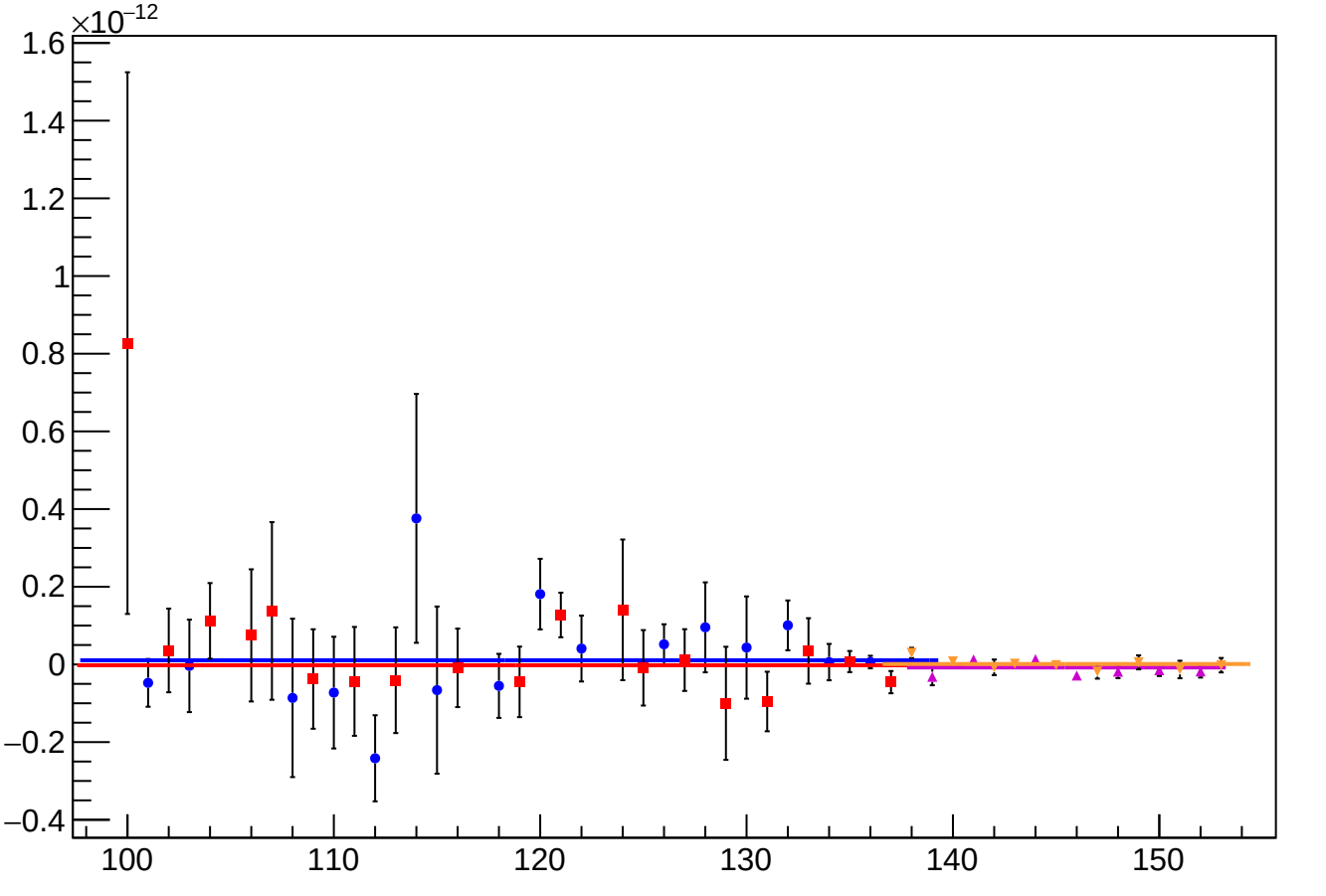
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.103+/-0.017 χ^2/NDF:457387.0/6

+ sign 57.421+/-0.012 χ^2/NDF: 2625770.0/24

All: 57.183+/-0.008 χ^2/NDF: 5637388.1/50

- sign 56.932+/-0.012 χ^2/NDF: 3010750.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/8

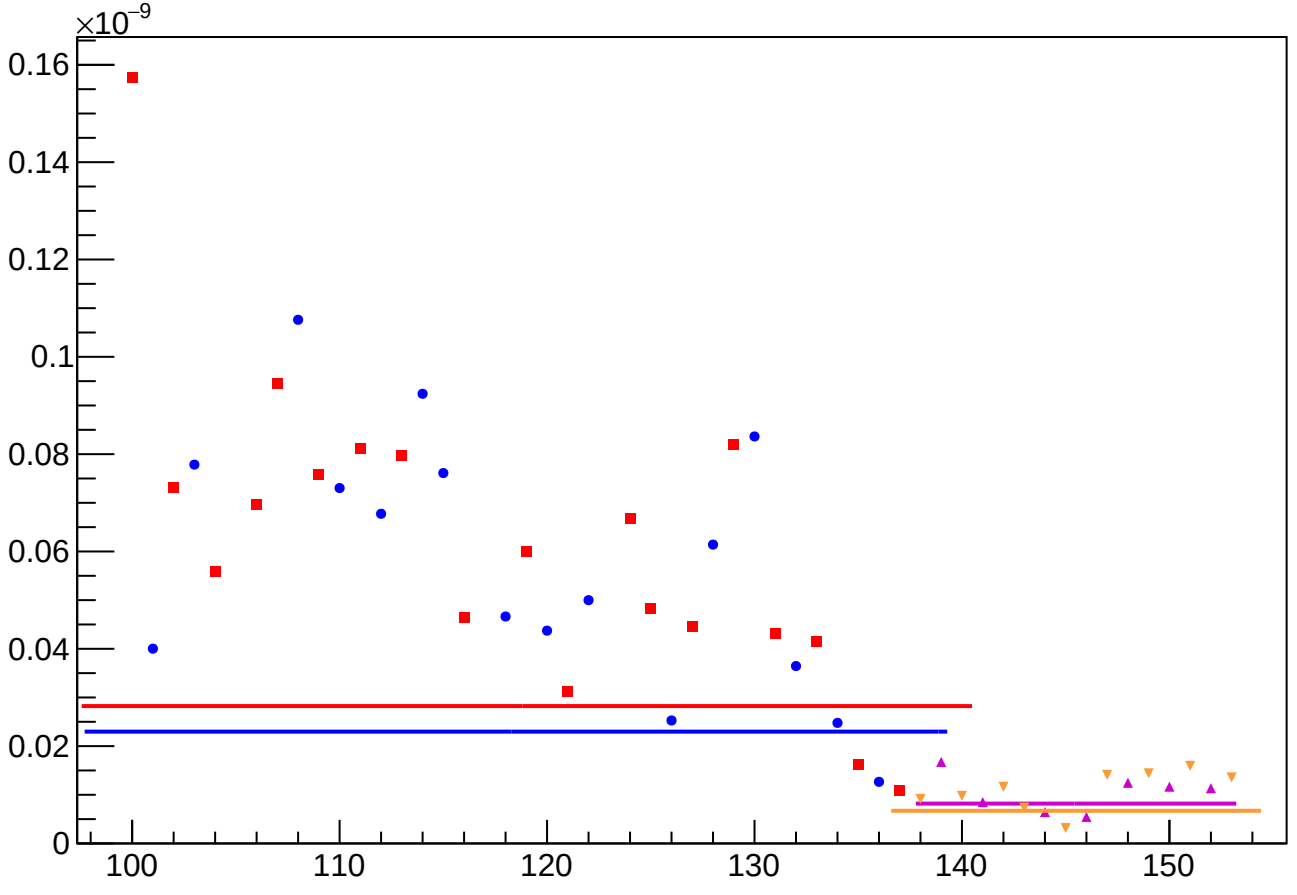
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/24

All: -0.000+/-0.000 χ^2/NDF: 58.7/50

- sign -0.000+/-0.000 χ^2/NDF: 32.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2606044.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

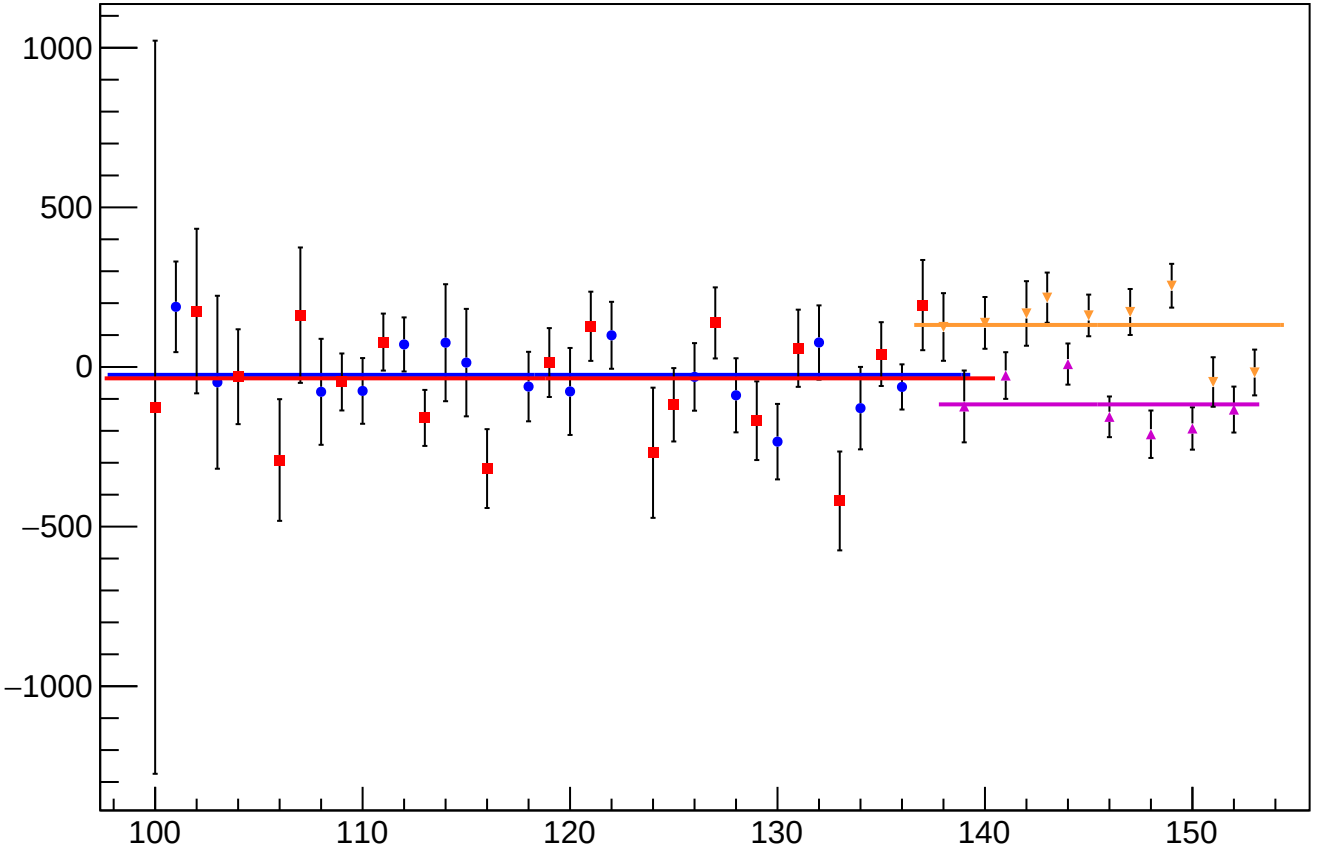
Left In: 0.000+/-0.000 χ^2/NDF:929131.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 9251967.7/24

All: 0.000+/-0.000 χ^2/NDF: 17295738.2/50

- sign 0.000+/-0.000 χ^2/NDF: 7837883.6/25

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 131.726+/-25.806 χ^2/NDF:14.7/8

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

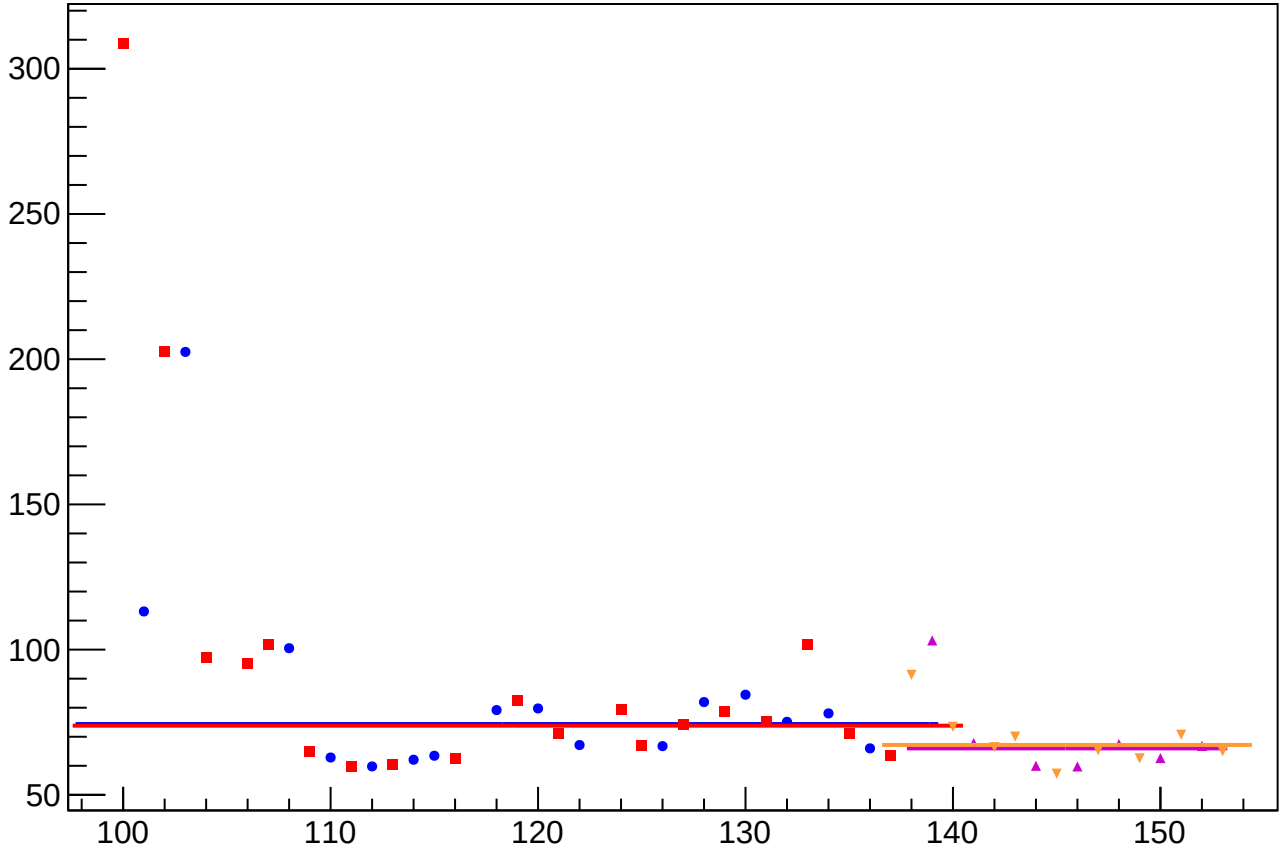
Left In: -117.128+/-27.173 χ^2/NDF:8.7/6

+ sign 62.394+/-19.253 χ^2/NDF: 42.0/24

All: -6.477+/-13.753 χ^2/NDF: 111.2/50

- sign -78.232+/-19.652 χ^2/NDF: 43.1/25

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 67.183+/-0.018 χ^2/NDF:180727.6/8

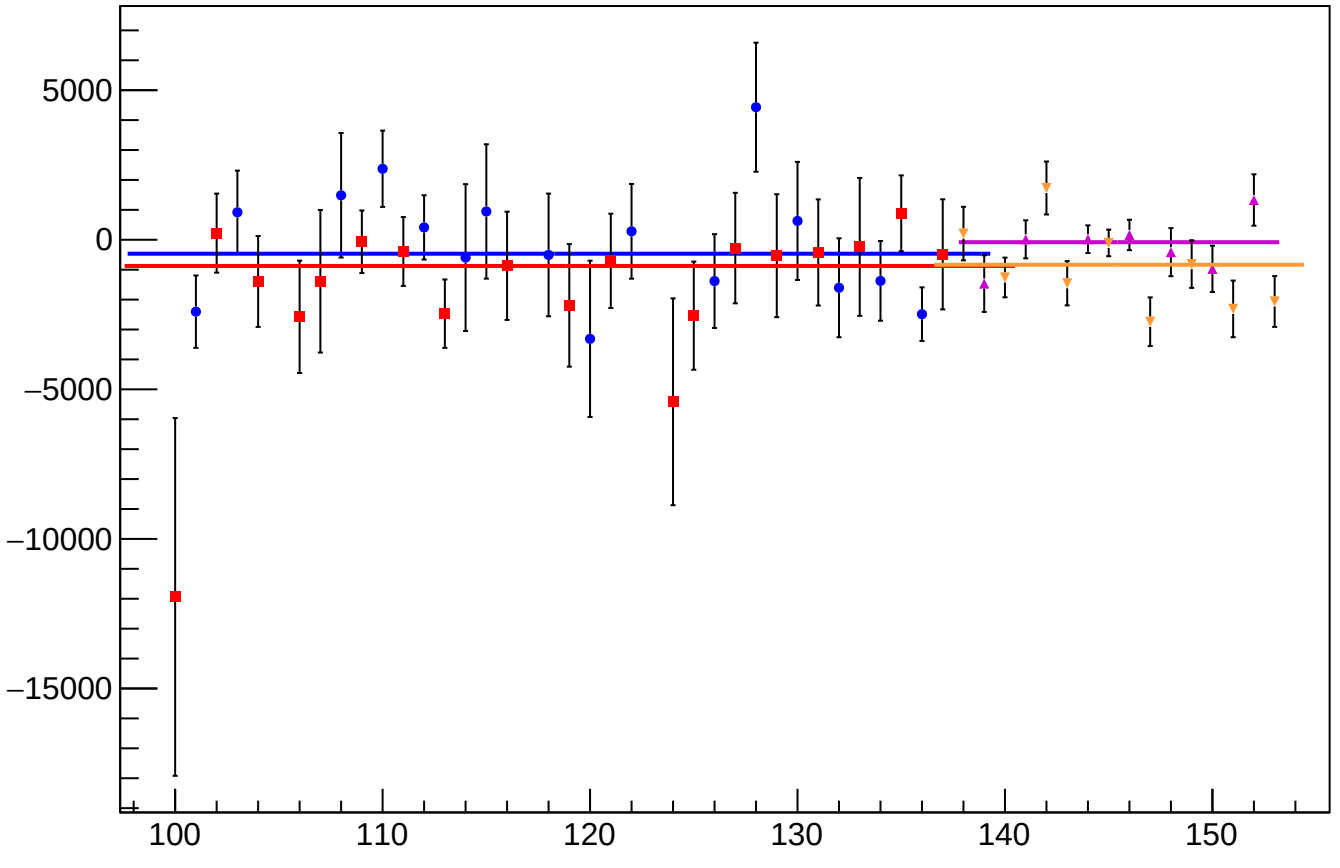
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.988+/-0.019 χ^2/NDF:261997.5/6

+ sign 70.369+/-0.014 χ^2/NDF: 1077071.3/24

All: 70.052+/-0.010 χ^2/NDF: 2351266.5/50

- sign 69.721+/-0.014 χ^2/NDF: 1273085.7/25



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -835.387+/-240.549 χ^2/NDF:23.6/8

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

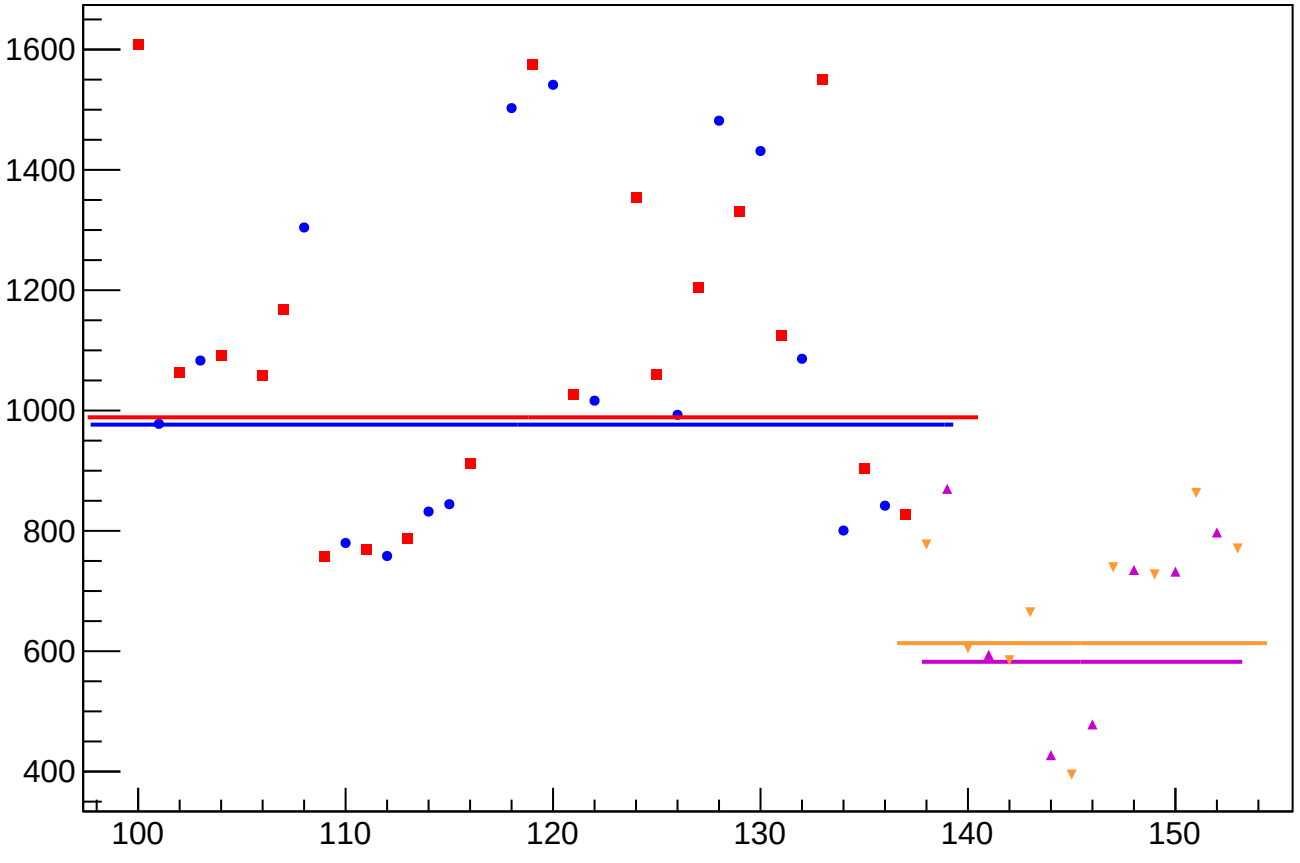
Left In: -80.591+/-244.729 χ^2/NDF:6.6/6

+ sign -727.867+/-202.478 χ^2/NDF: 47.9/24

All: -526.173+/-143.880 χ^2/NDF: 72.8/50

- sign -320.445+/-204.492 χ^2/NDF: 22.9/25

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 613.465+/-0.170 χ^2/NDF:860414.5/8

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

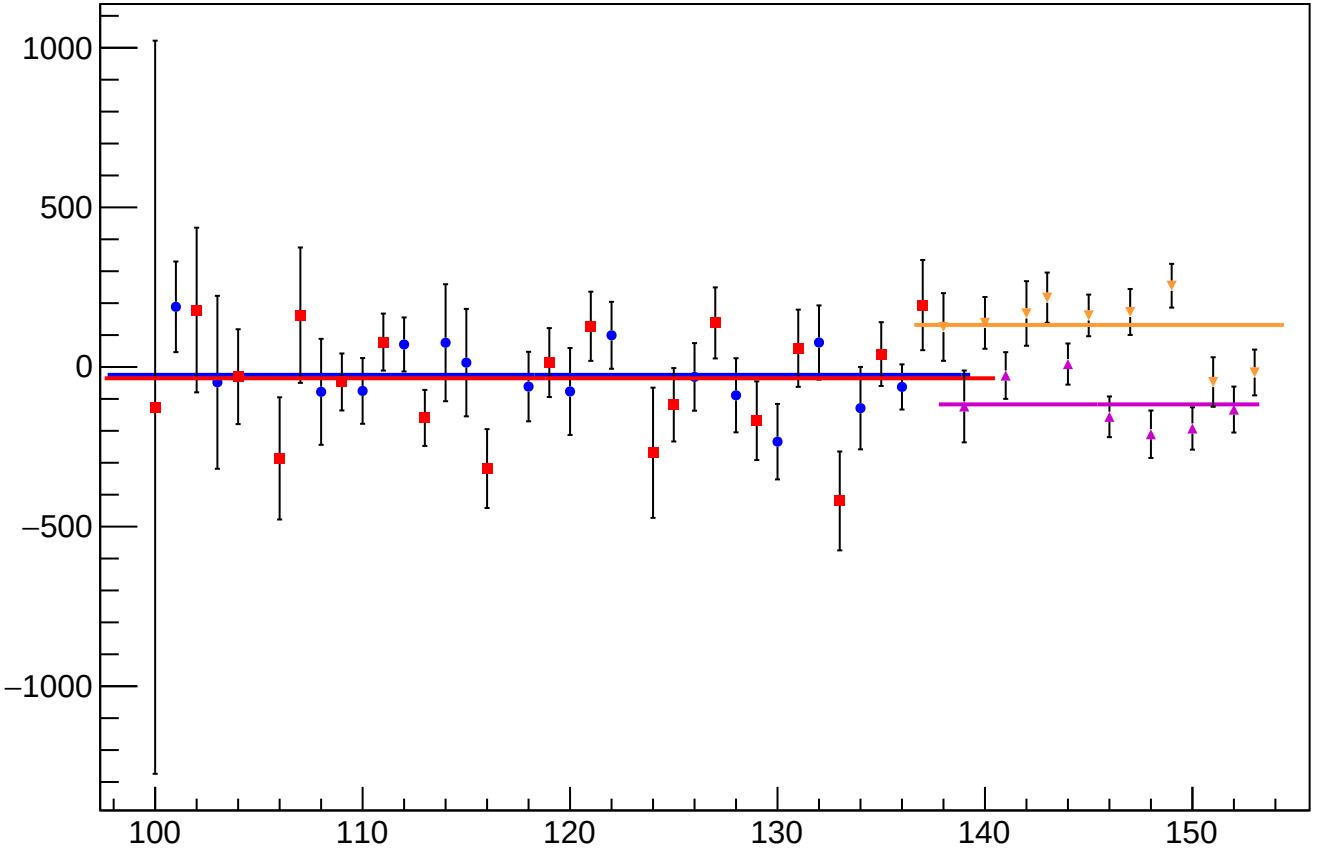
Left In: 582.400+/-0.173 χ^2/NDF:765286.6/6

\+ sign 719.309+/-0.143 χ^2/NDF: 2925453.7/24

All: 712.244+/-0.102 χ^2/NDF: 6075537.8/50

\- sign 705.038+/-0.145 χ^2/NDF: 3145165.3/25

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 131.731+/-25.806 χ^2/NDF:14.7/8

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

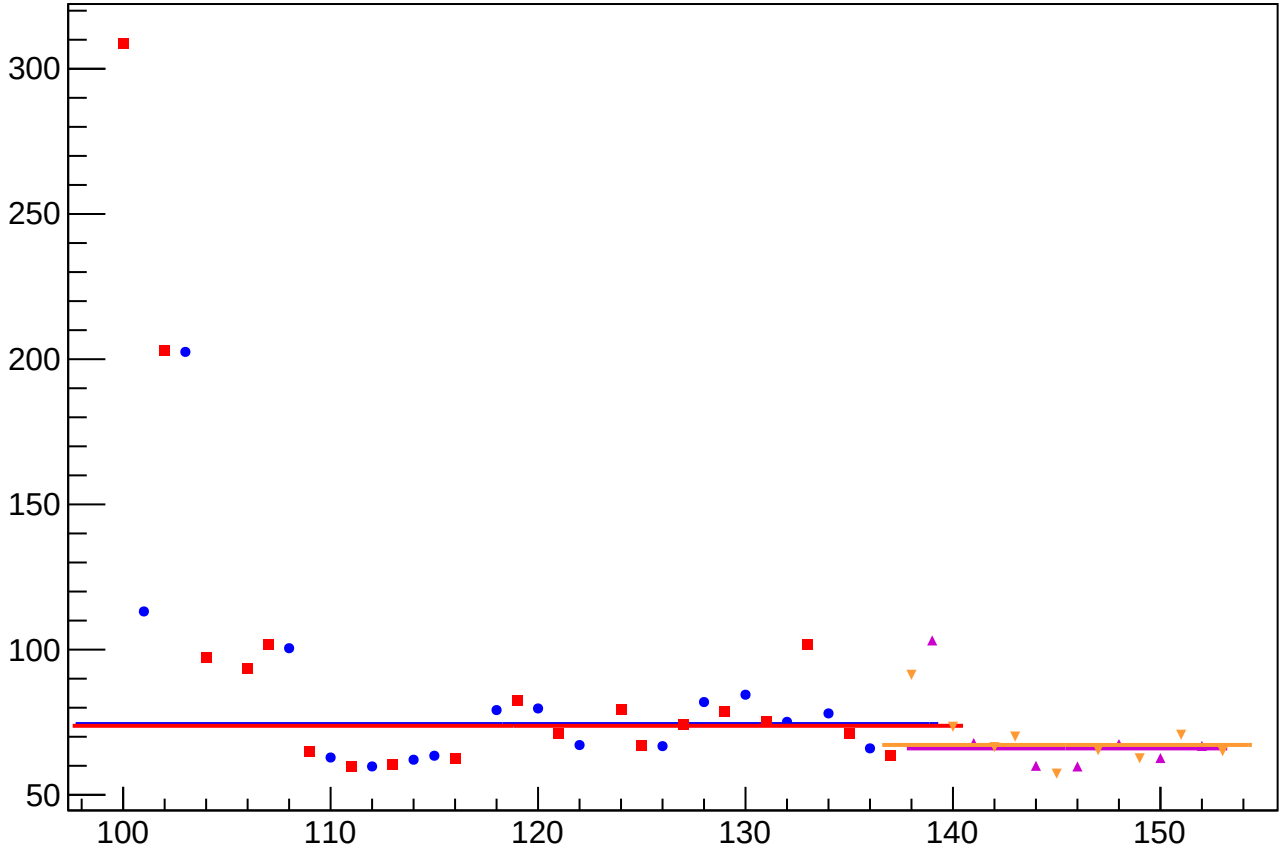
Left In: -117.130+/-27.173 χ^2/NDF:8.7/6

+ sign 62.394+/-19.253 χ^2/NDF: 42.0/24

All: -6.430+/-13.753 χ^2/NDF: 111.1/50

- sign -78.142+/-19.653 χ^2/NDF: 43.0/25

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.183+/-0.018 χ^2/NDF:180727.6/8

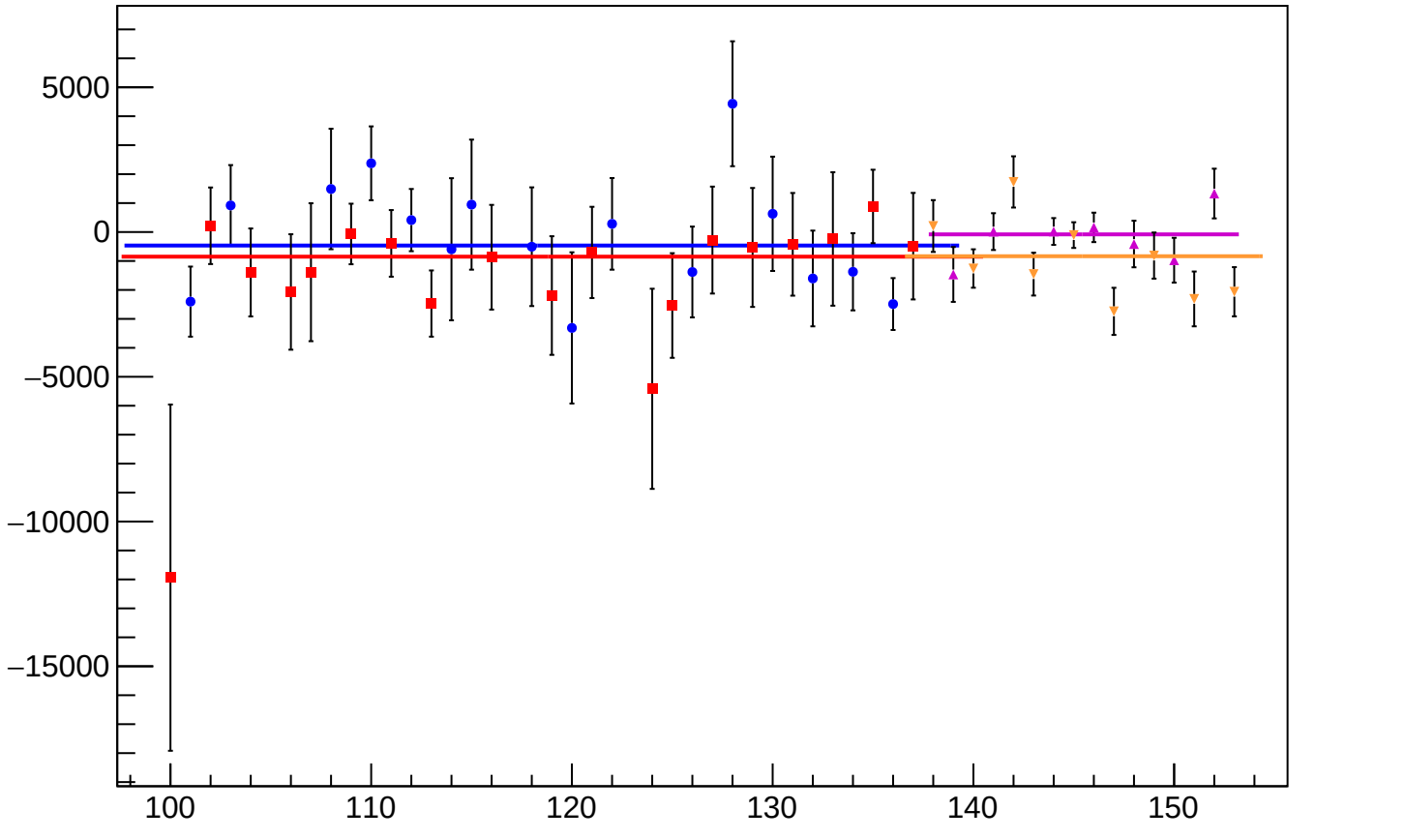
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.988+/-0.019 χ^2/NDF:261997.5/6

+ sign 70.369+/-0.014 χ^2/NDF: 1077073.3/24

All: 70.042+/-0.010 χ^2/NDF: 2346701.5/50

- sign 69.701+/-0.014 χ^2/NDF: 1268447.9/25



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -835.382+/-240.549 χ^2/NDF:23.6/8

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

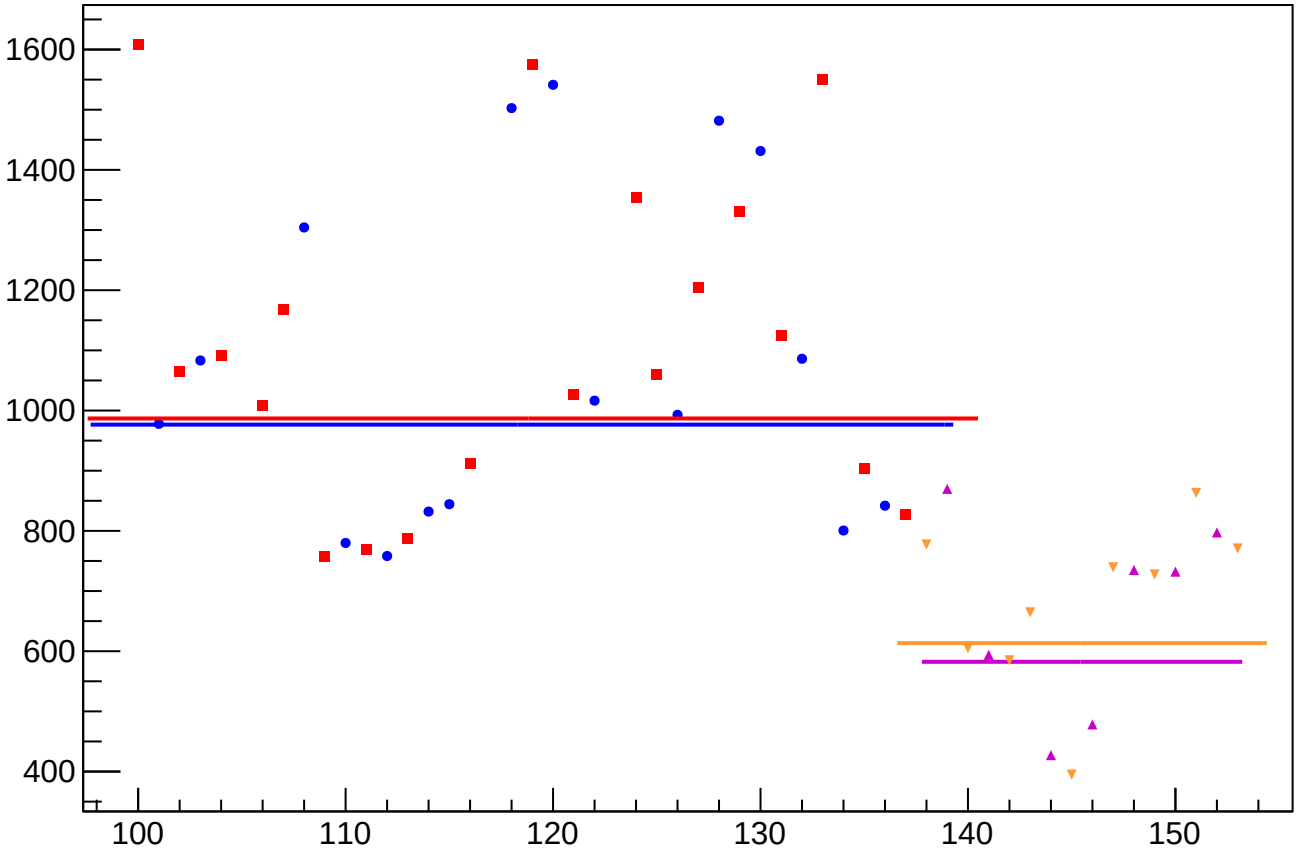
Left In: -80.595+/-244.729 χ^2/NDF:6.6/6

+ sign -727.861+/-202.478 χ^2/NDF: 47.9/24

All: -522.272+/-143.930 χ^2/NDF: 72.2/50

- sign -312.283+/-204.633 χ^2/NDF: 22.2/25

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 613.464+/-0.170 χ^2/NDF:860414.9/8

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

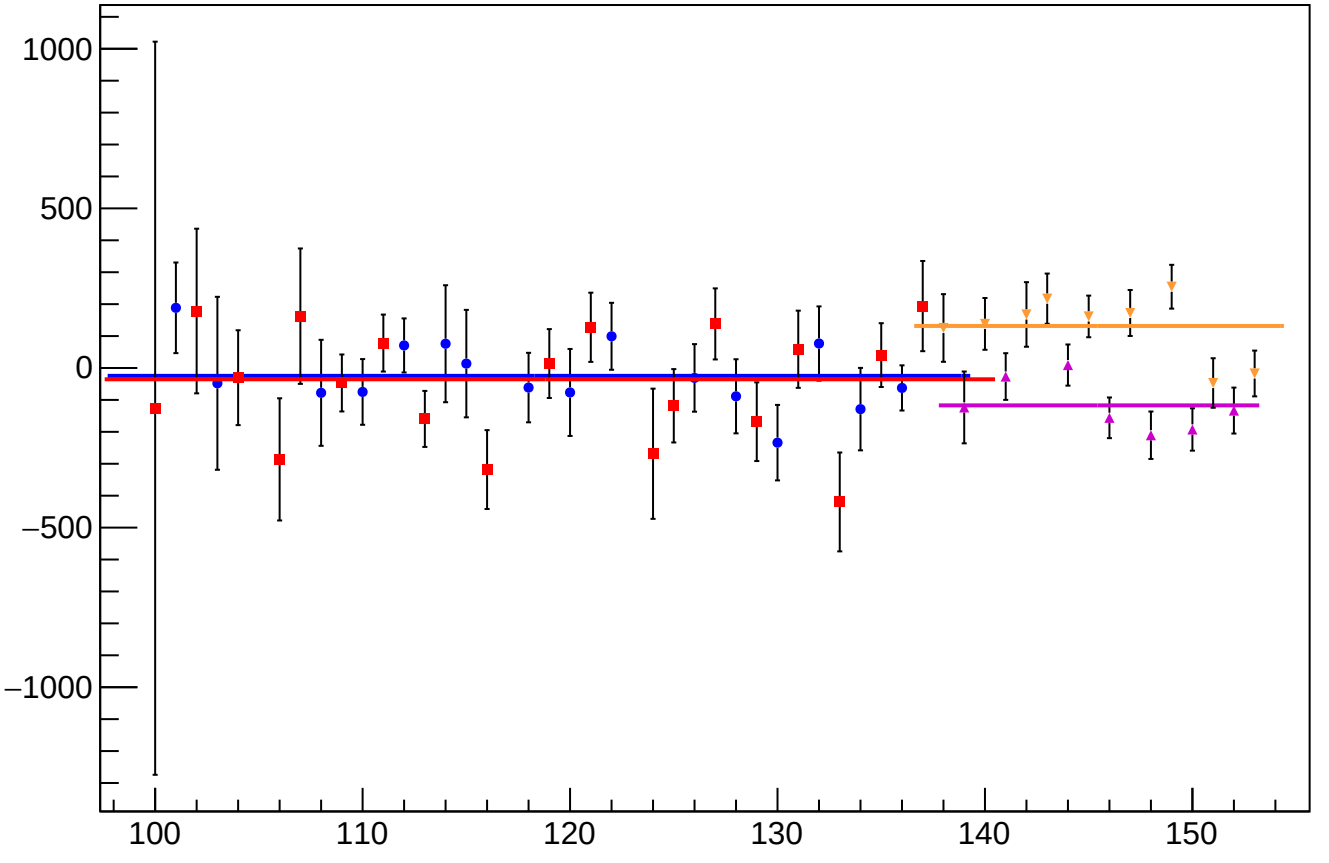
Left In: 582.400+/-0.173 χ^2/NDF:765288.9/6

\+ sign 719.310+/-0.143 χ^2/NDF: 2925508.8/24

All: 711.767+/-0.102 χ^2/NDF: 6052783.0/50

\- sign 704.063+/-0.145 χ^2/NDF: 3121663.6/25

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 131.731+/-25.806 χ^2/NDF:14.7/8

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

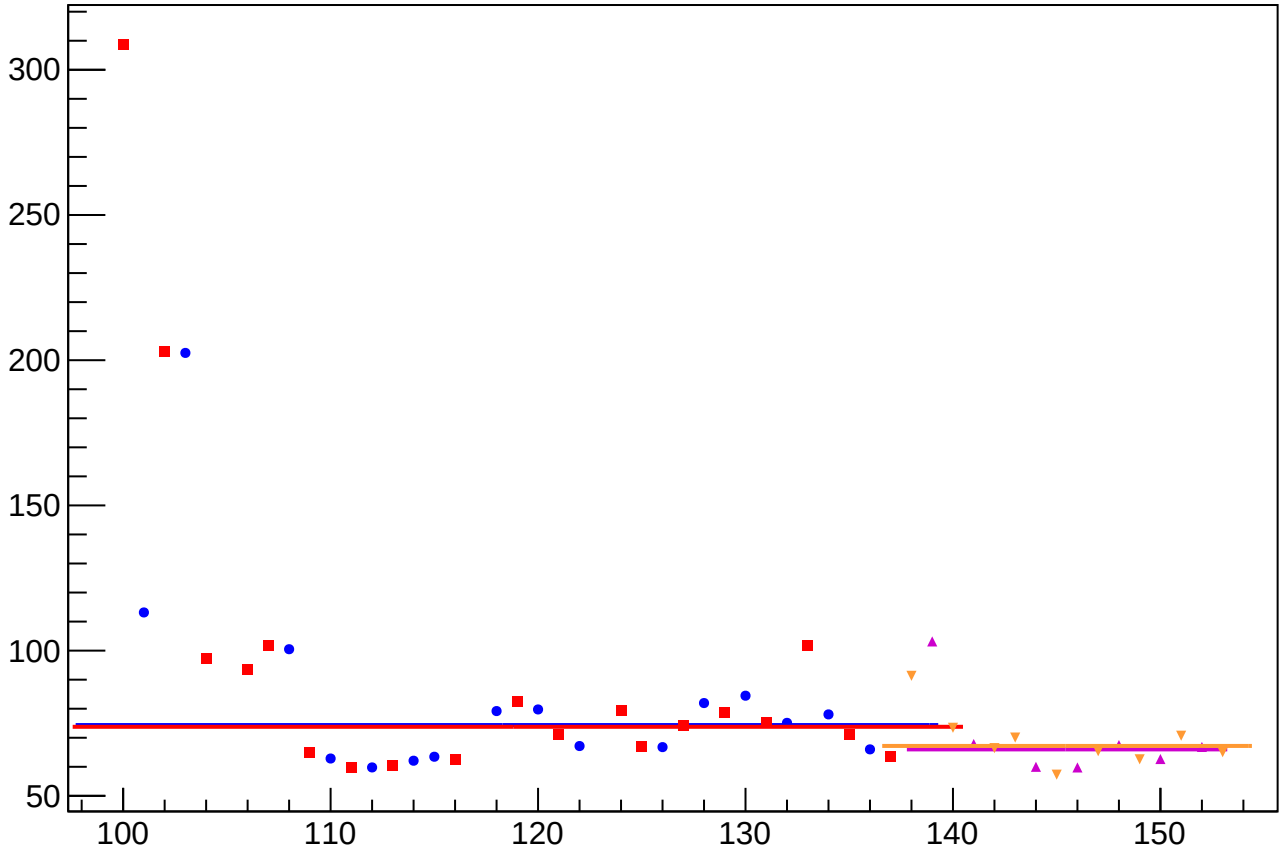
Left In: -117.130+/-27.173 χ^2/NDF:8.7/6

+ sign 62.394+/-19.253 χ^2/NDF: 42.0/24

All: -6.430+/-13.753 χ^2/NDF: 111.1/50

- sign -78.142+/-19.653 χ^2/NDF: 43.0/25

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.183+/-0.018 χ^2/NDF:180727.6/8

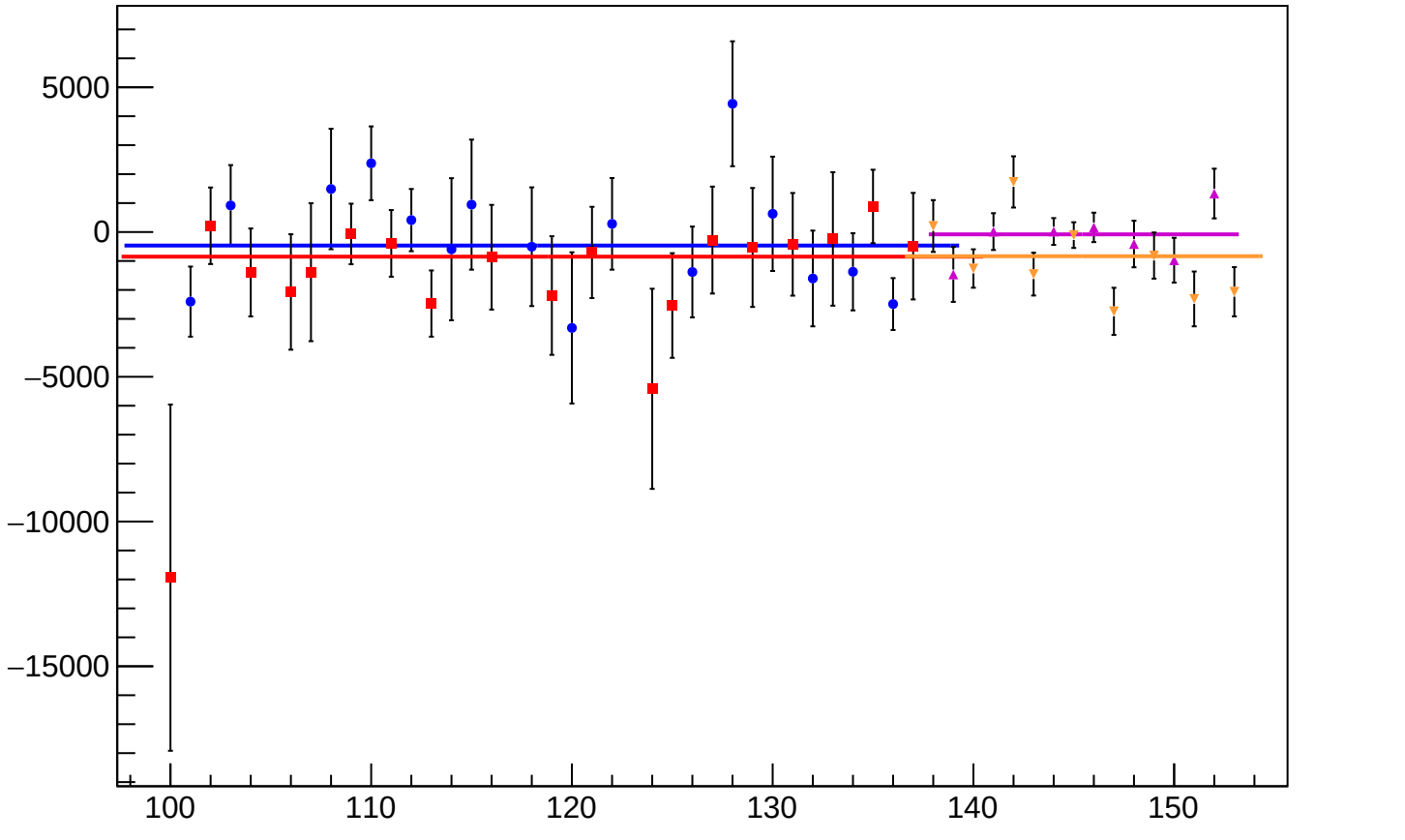
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.988+/-0.019 χ^2/NDF:261997.5/6

+ sign 70.369+/-0.014 χ^2/NDF: 1077073.3/24

All: 70.042+/-0.010 χ^2/NDF: 2346701.5/50

- sign 69.701+/-0.014 χ^2/NDF: 1268447.9/25



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -835.382+/-240.549 χ^2/NDF:23.6/8

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

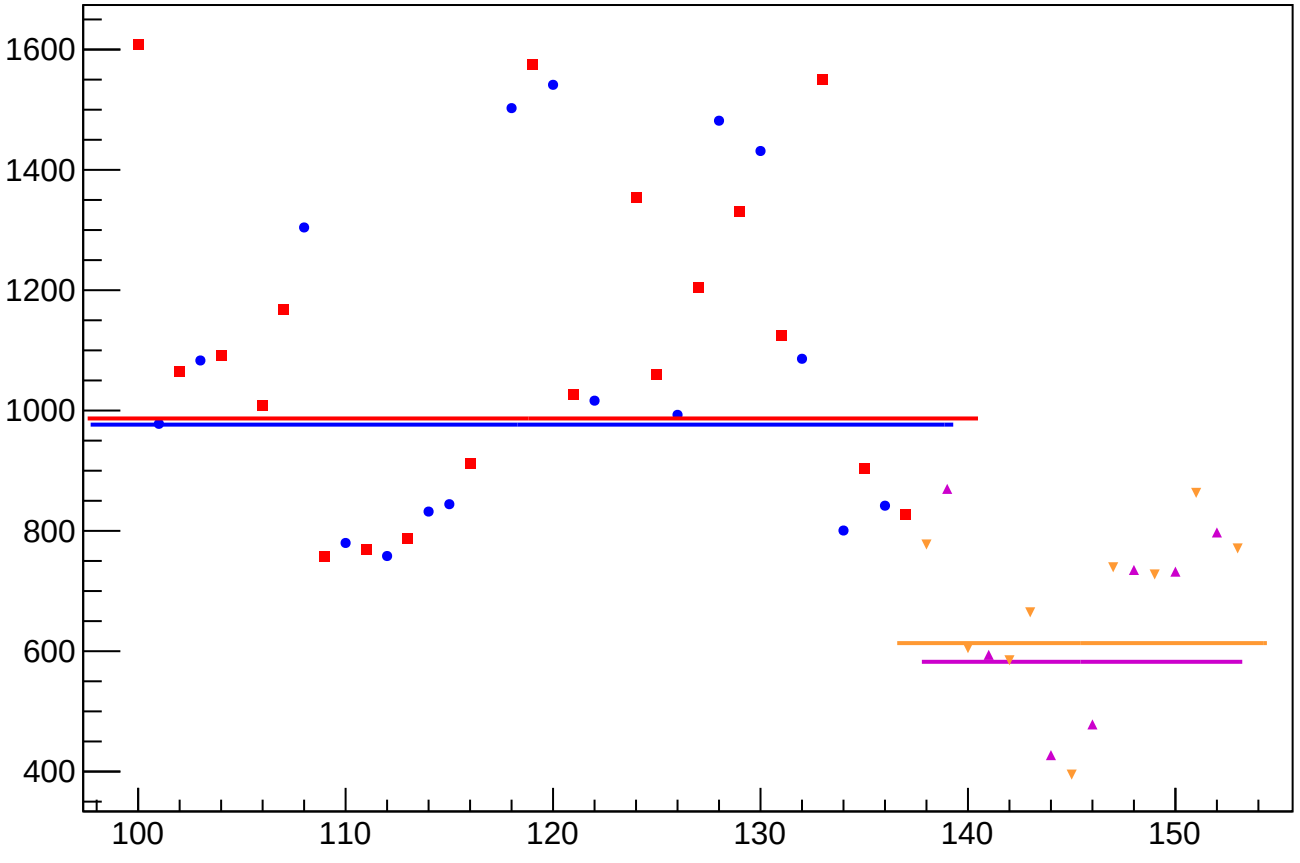
Left In: -80.595+/-244.729 χ^2/NDF:6.6/6

+ sign -727.861+/-202.478 χ^2/NDF: 47.9/24

All: -522.272+/-143.930 χ^2/NDF: 72.2/50

- sign -312.283+/-204.633 χ^2/NDF: 22.2/25

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 613.464+/-0.170 χ^2/NDF:860414.9/8

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

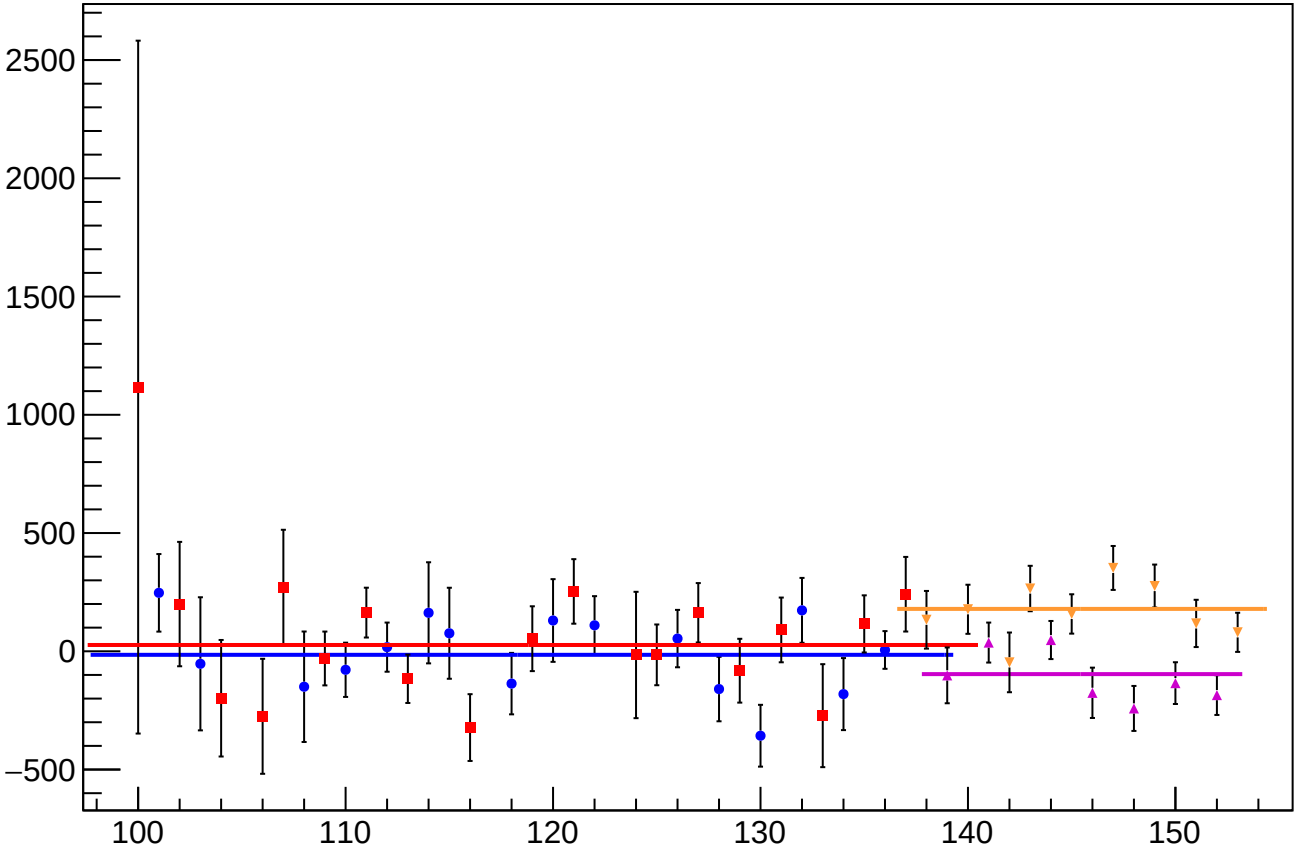
Left In: 582.400+/-0.173 χ^2/NDF:765288.9/6

+ sign 719.310+/-0.143 χ^2/NDF: 2925508.8/24

All: 711.767+/-0.102 χ^2/NDF: 6052783.0/50

- sign 704.063+/-0.145 χ^2/NDF: 3121663.6/25

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 179.231+/-32.288 χ^2/NDF:10.6/8

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

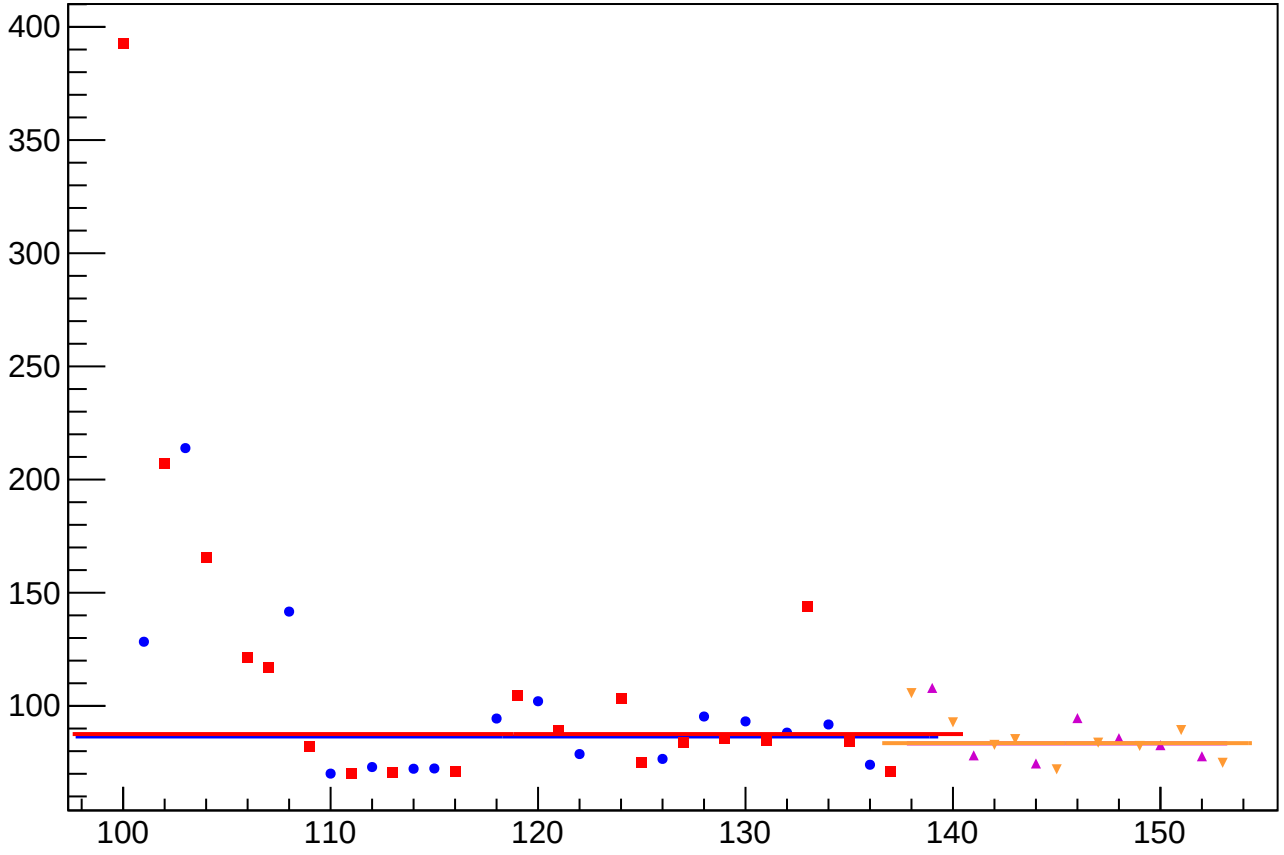
Left In: -96.507+/-34.610 χ^2/NDF:9.9/6

+ sign 86.468+/-23.334 χ^2/NDF: 46.2/24

All: 28.646+/-16.825 χ^2/NDF: 98.9/50

- sign -33.963+/-24.281 χ^2/NDF: 39.9/25

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 83.543+/-0.023 χ^2/NDF:149944.5/8

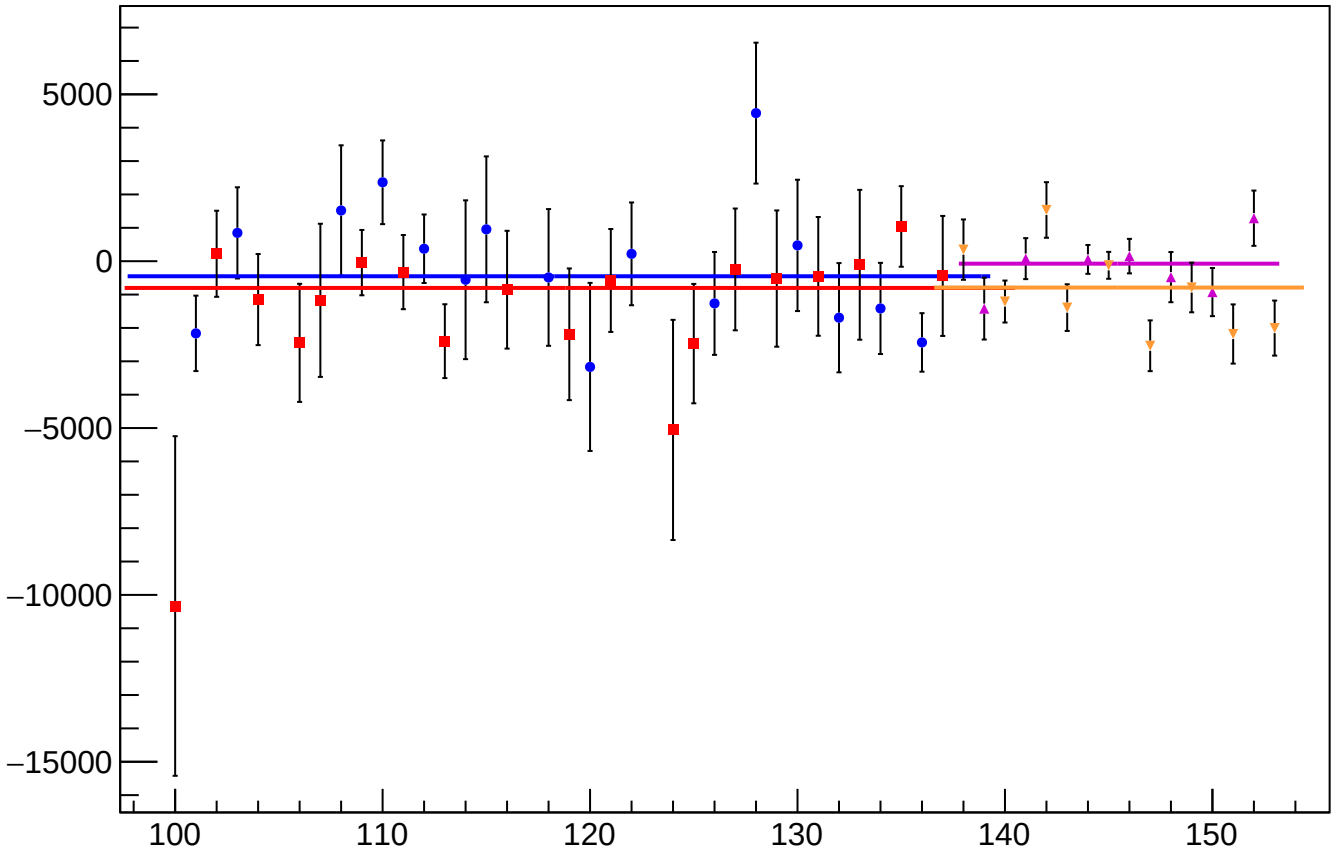
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 83.432+/-0.024 χ^2/NDF:151062.3/6

+ sign 84.951+/-0.016 χ^2/NDF: 1014153.6/24

All: 85.227+/-0.012 χ^2/NDF: 2310005.2/50

- sign 85.525+/-0.017 χ^2/NDF: 1295268.9/25



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -790.651+/-225.475 χ^2/NDF:23.2/8

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

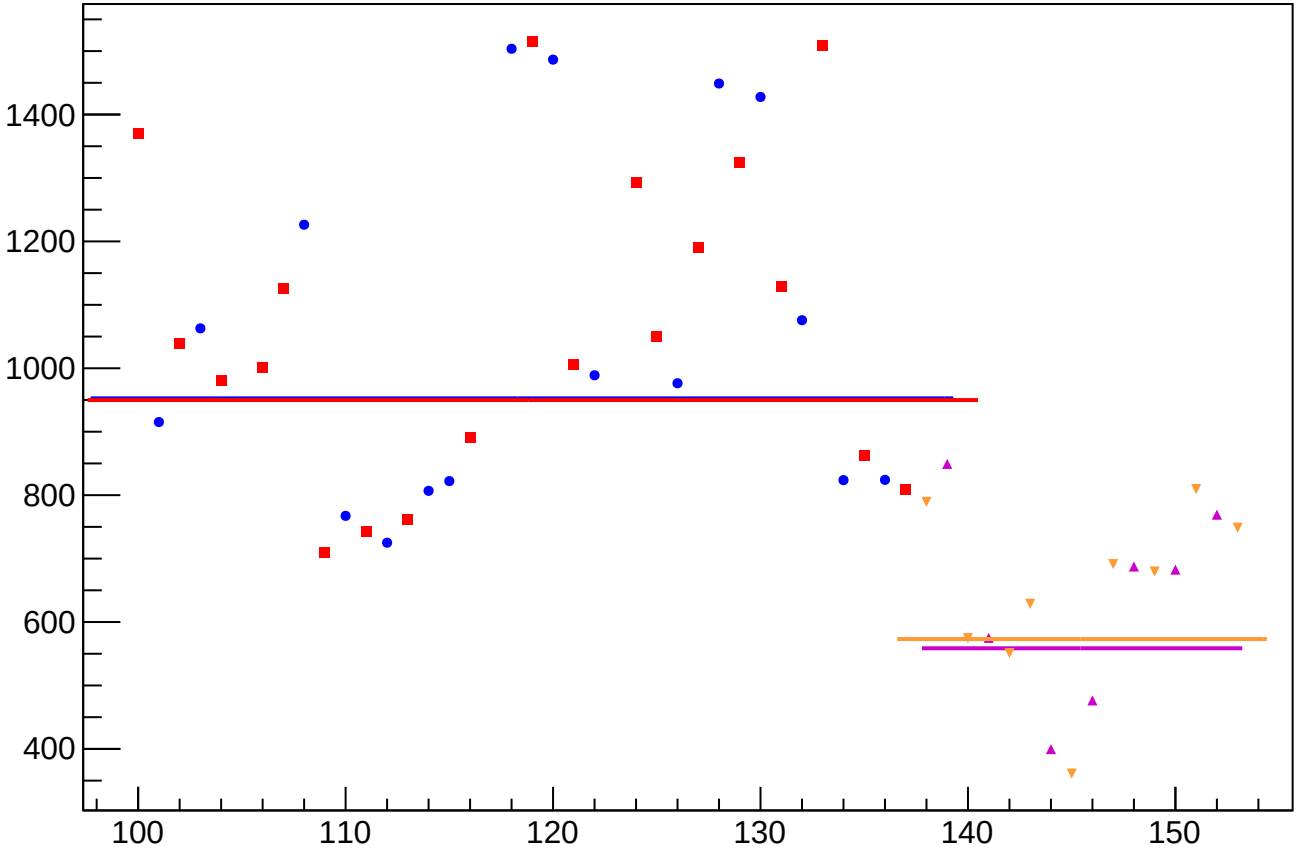
Left In: -74.531+/-235.359 χ^2/NDF:6.8/6

+ sign -697.168+/-191.913 χ^2/NDF: 47.5/24

All: -500.462+/-137.345 χ^2/NDF: 73.0/50

- sign -293.941+/-196.643 χ^2/NDF: 23.3/25

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 573.183+/-0.159 χ^2/NDF:1003826.9/8

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

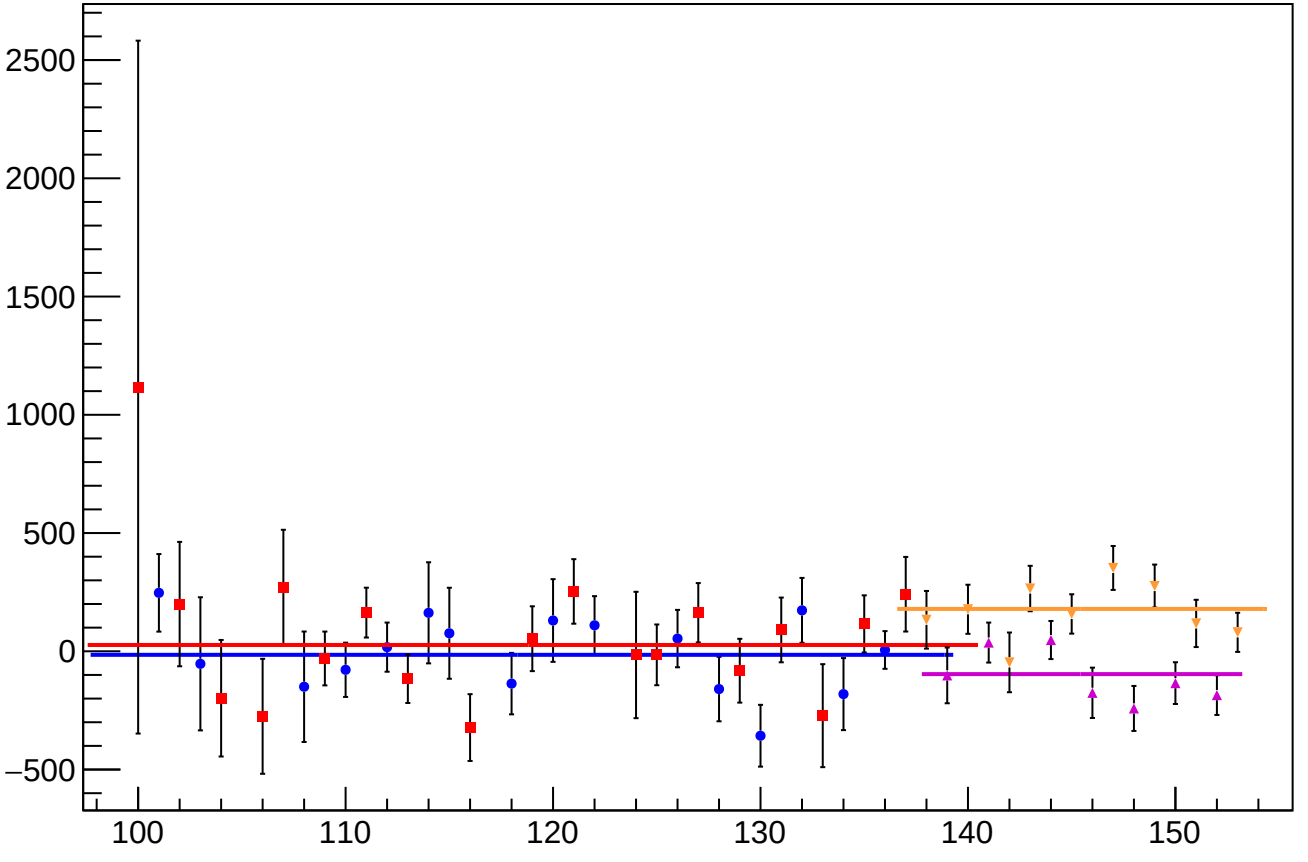
Left In: 558.611+/-0.166 χ^2/NDF:766009.9/6

+ sign 677.714+/-0.136 χ^2/NDF: 3310232.9/24

All: 677.245+/-0.097 χ^2/NDF: 6496956.6/50

- sign 676.753+/-0.139 χ^2/NDF: 3186699.3/25

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 179.232+/-32.288 χ^2/NDF:10.6/8

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

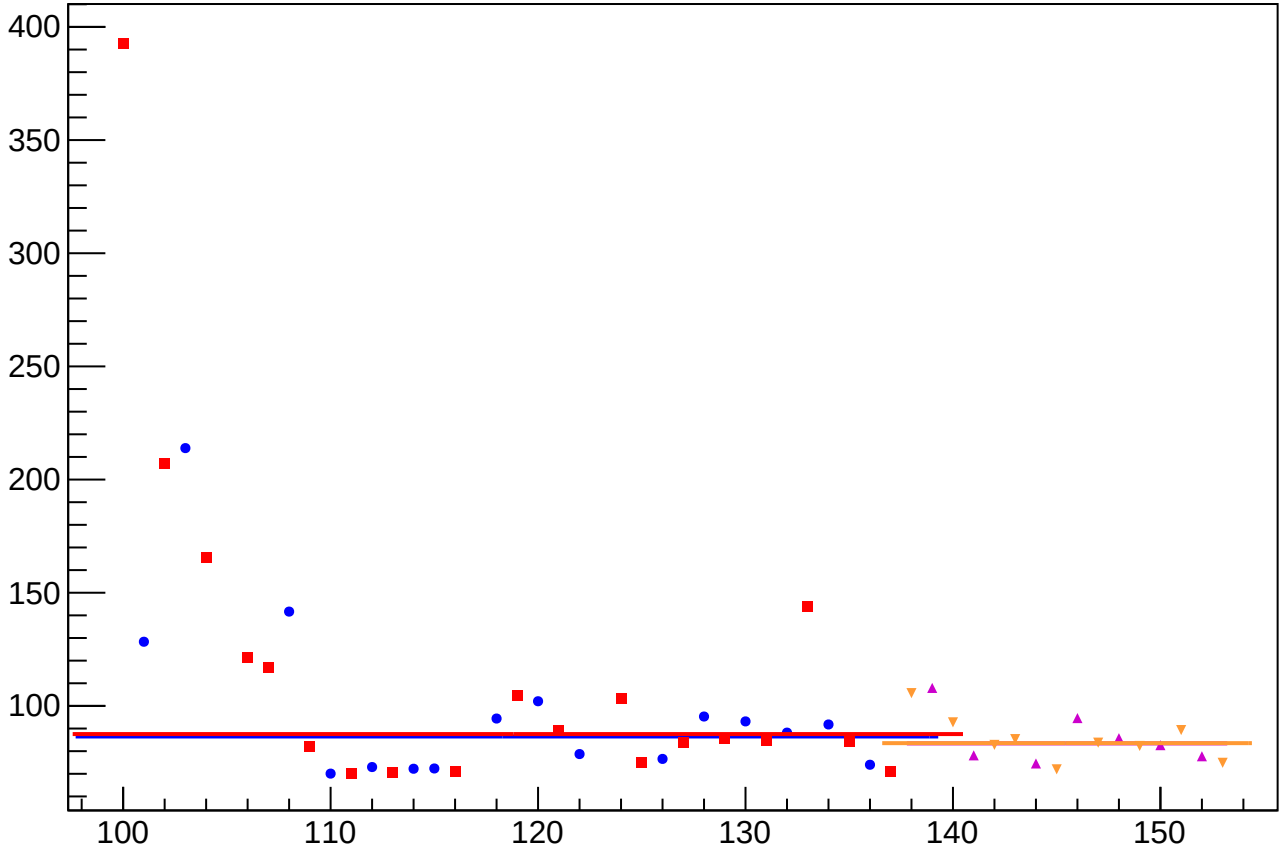
Left In: -96.508+/-34.610 χ^2/NDF:9.9/6

+ sign 86.468+/-23.334 χ^2/NDF: 46.2/24

All: 28.646+/-16.825 χ^2/NDF: 98.9/50

- sign -33.962+/-24.281 χ^2/NDF: 39.9/25

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 83.544+/-0.023 χ^2/NDF:149942.2/8

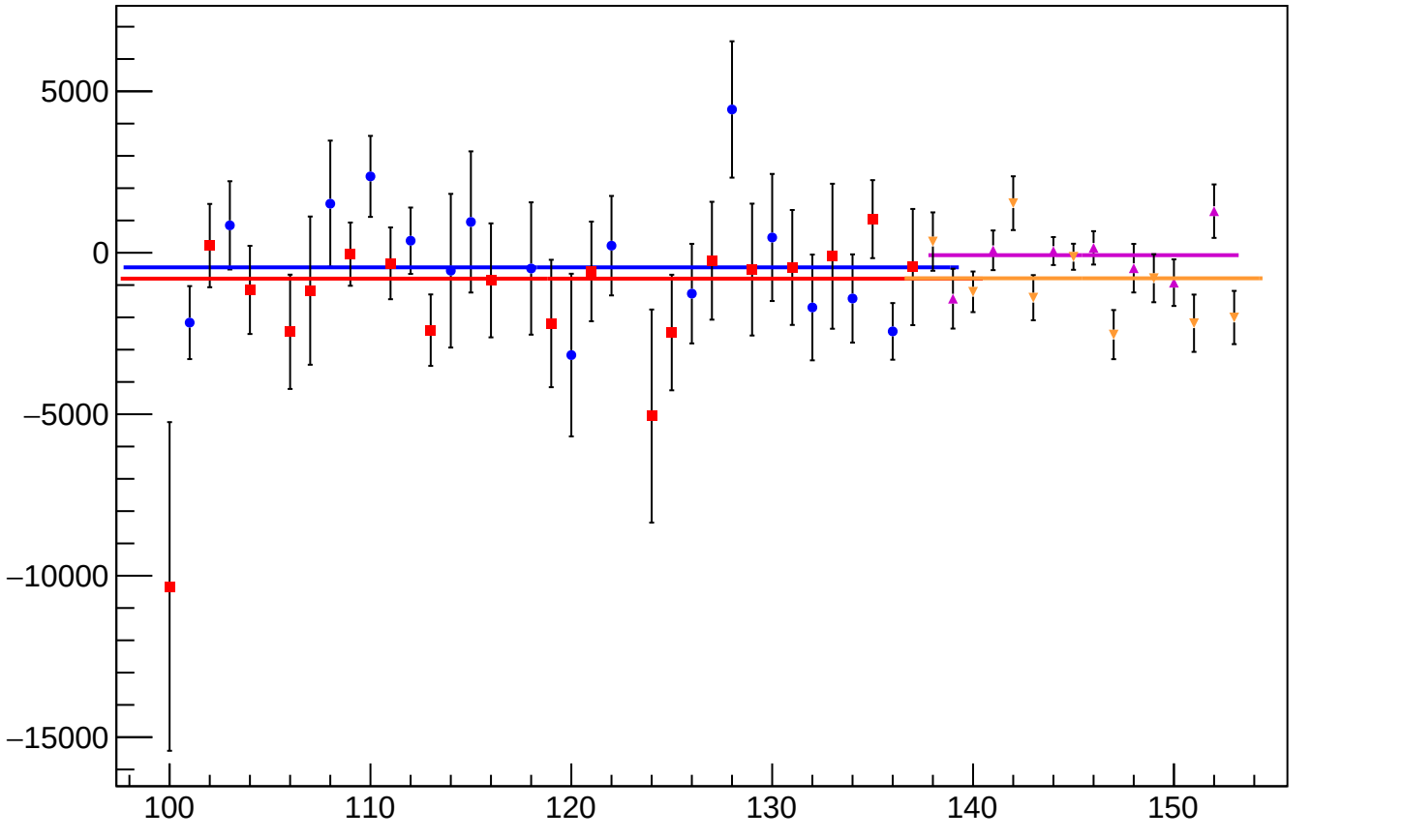
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 83.432+/-0.024 χ^2/NDF:151058.0/6

+ sign 84.951+/-0.016 χ^2/NDF: 1014142.4/24

All: 85.227+/-0.012 χ^2/NDF: 2309988.1/50

- sign 85.526+/-0.017 χ^2/NDF: 1295263.0/25



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -790.652+/-225.475 χ^2/NDF:23.2/8

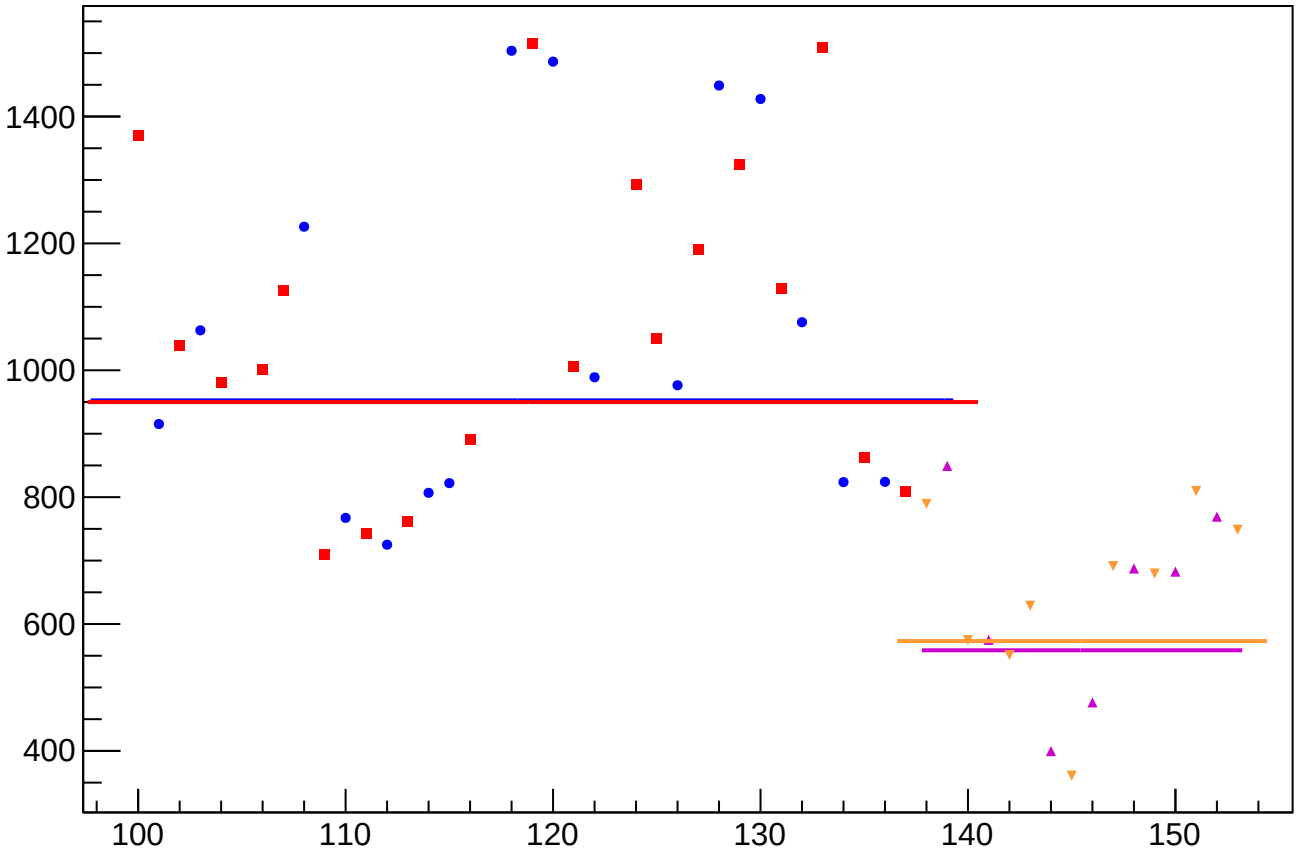
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -74.530+/-235.359 χ^2/NDF:6.8/6

+ sign -697.168+/-191.913 χ^2/NDF: 47.5/24

All: -500.462+/-137.345 χ^2/NDF: 73.0/50

- sign -293.941+/-196.643 χ^2/NDF: 23.3/25



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 573.182+/-0.159 χ^2/NDF:1003828.9/8

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

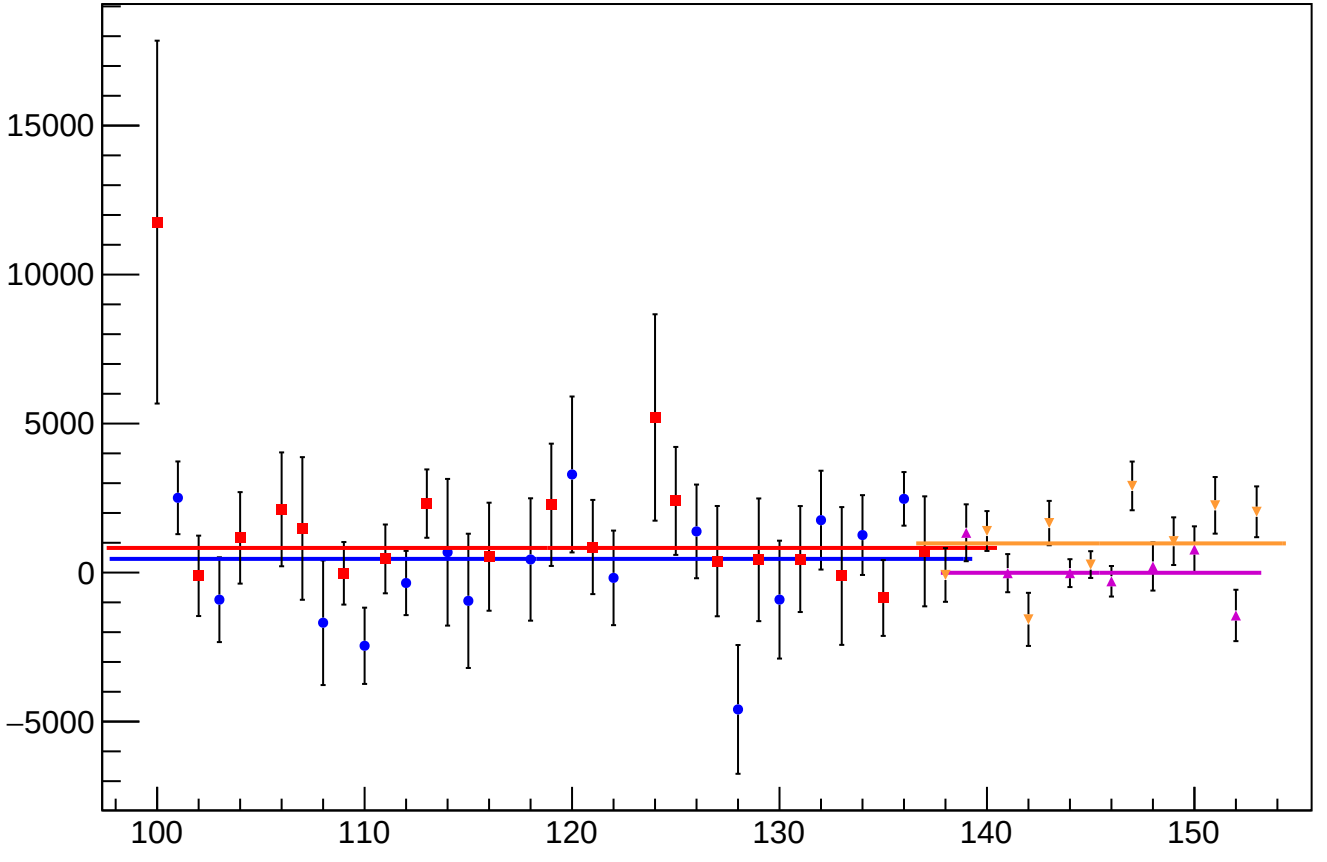
Left In: 558.611+/-0.166 χ^2/NDF:766011.0/6

+ sign 677.713+/-0.136 χ^2/NDF: 3310233.5/24

All: 677.244+/-0.097 χ^2/NDF: 6496951.6/50

- sign 676.753+/-0.139 χ^2/NDF: 3186693.6/25

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 979.003+/-242.263 χ^2/NDF:22.2/8

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

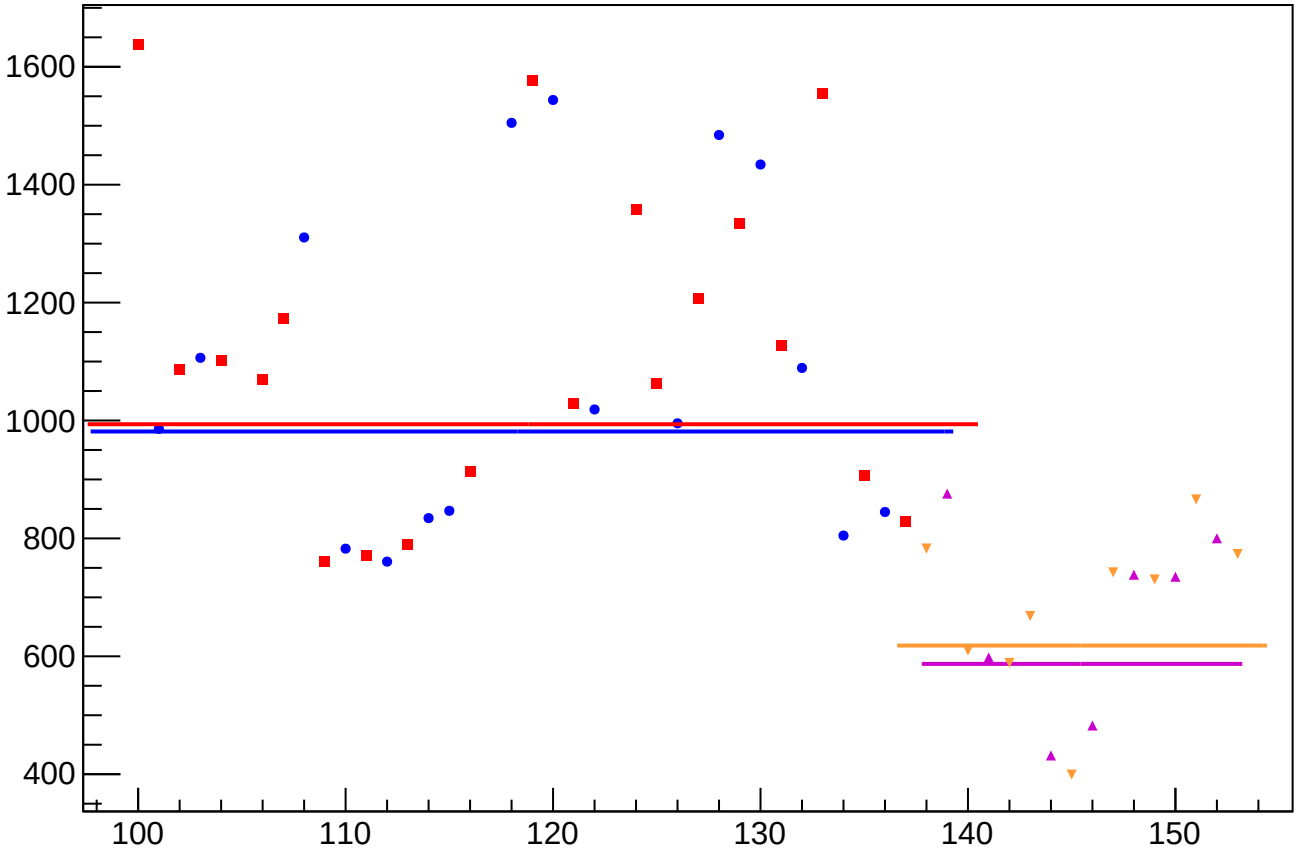
Left In: -7.375+/-246.559 χ^2/NDF:6.1/6

+ sign 826.996+/-203.789 χ^2/NDF: 48.2/24

All: 538.998+/-144.839 χ^2/NDF: 73.4/50

- sign 245.025+/-205.892 χ^2/NDF: 21.3/25

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 618.244+/-0.171 χ^2/NDF:841895.0/8

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

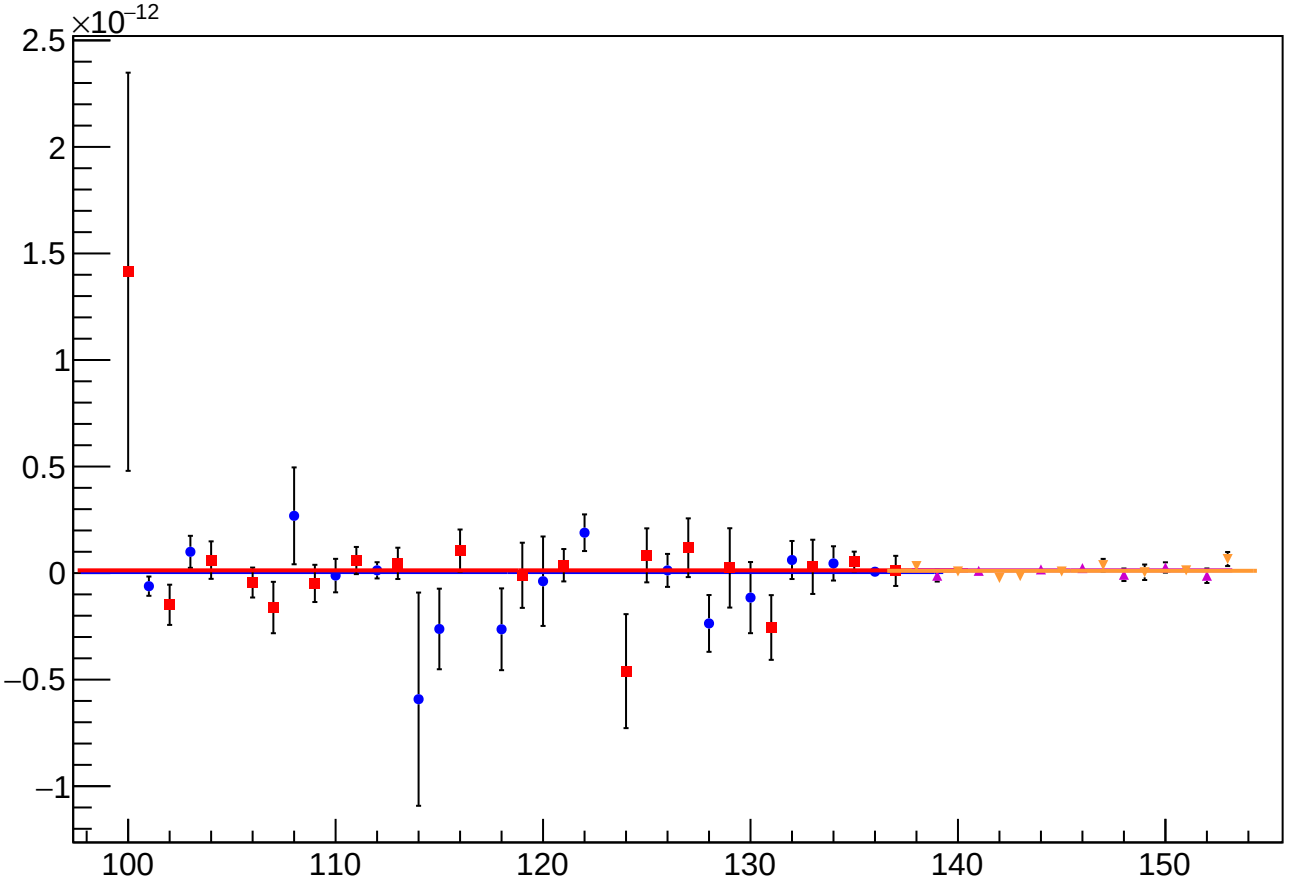
Left In: 587.117+/-0.174 χ^2/NDF:752235.6/6

\+ sign 724.414+/-0.144 χ^2/NDF: 2893217.4/24

All: 717.367+/-0.102 χ^2/NDF: 6016063.3/50

\- sign 710.173+/-0.146 χ^2/NDF: 3118012.4/25

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

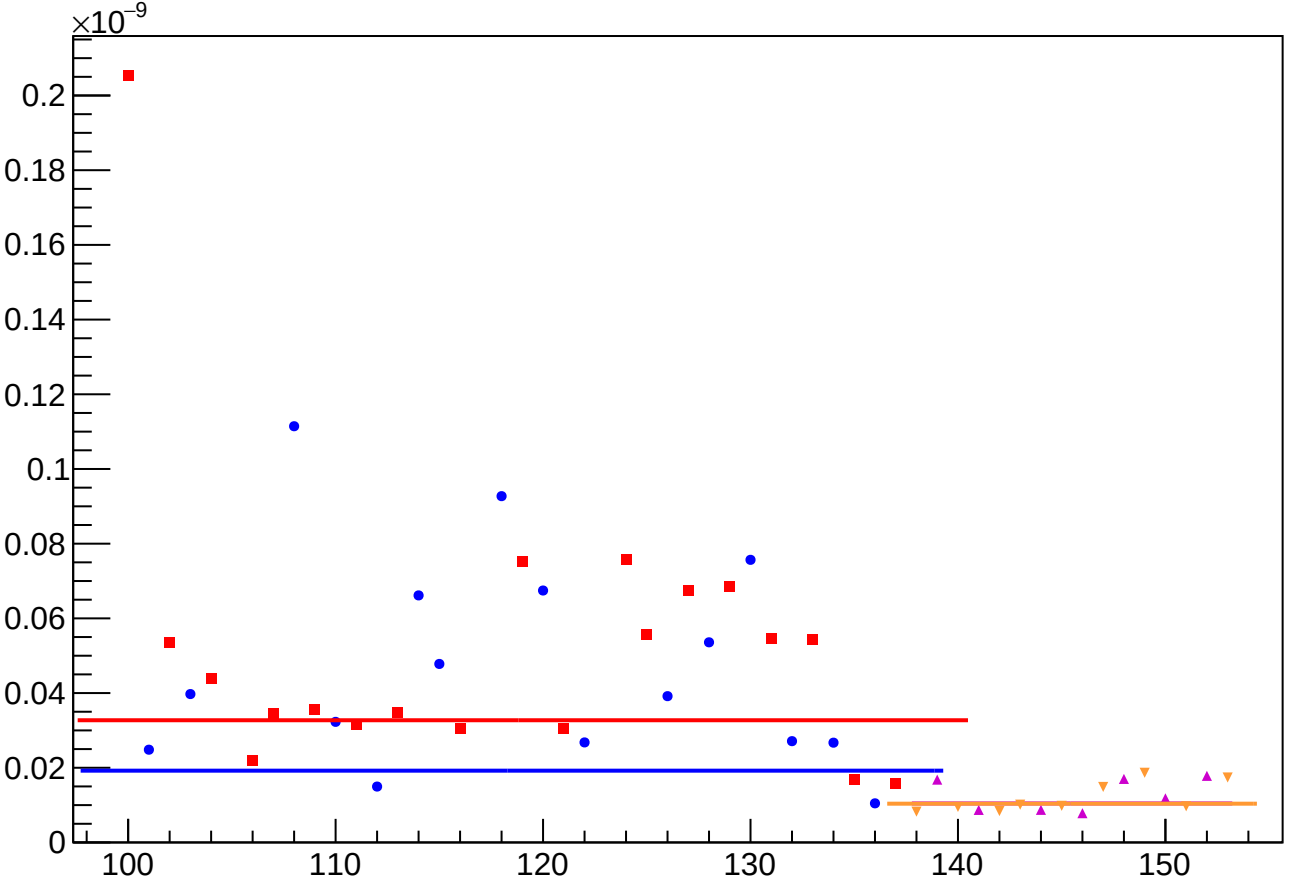
Left In: 0.000+/-0.000 χ^2/NDF:2.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 28.9/24

All: 0.000+/-0.000 χ^2/NDF: 50.3/50

- sign 0.000+/-0.000 χ^2/NDF: 21.2/25

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:295374.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

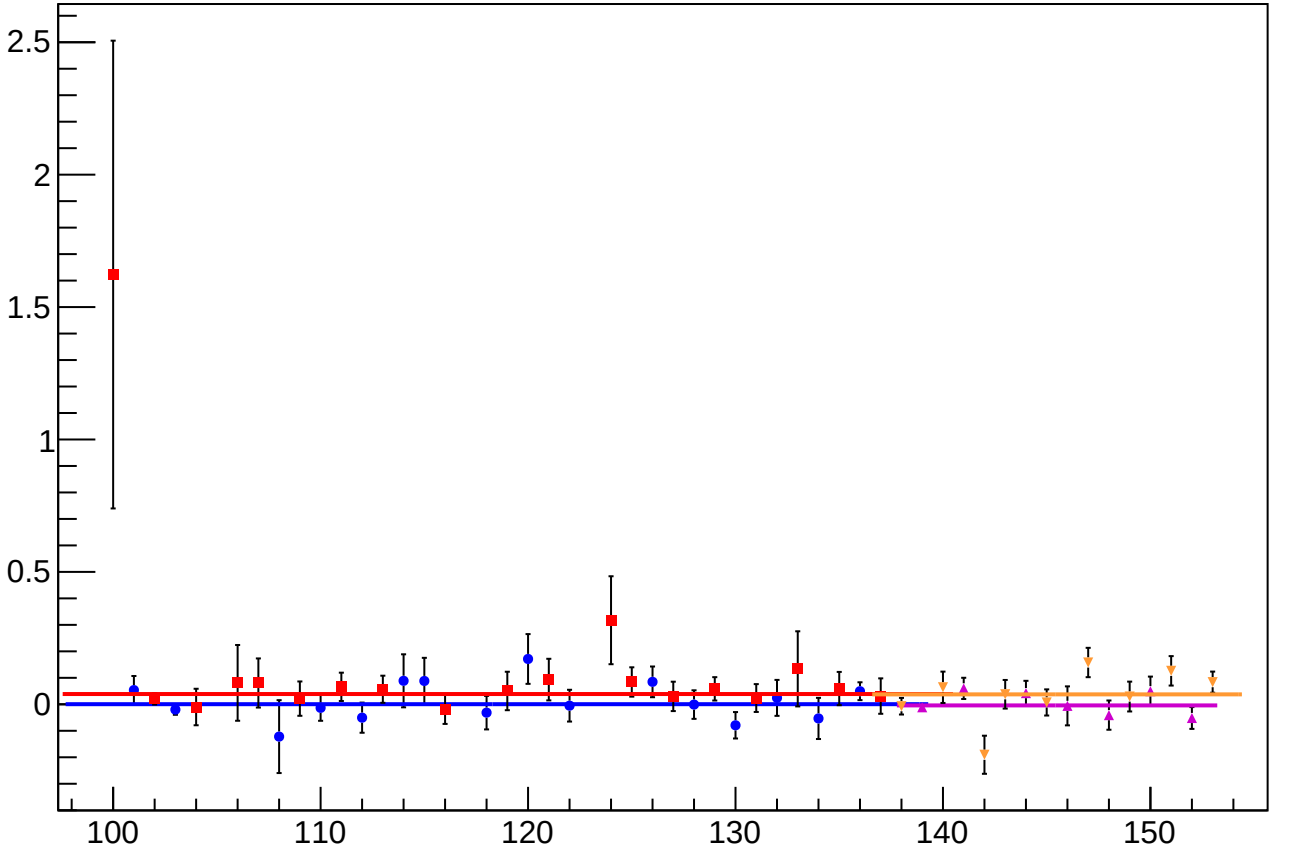
Left In: 0.000+/-0.000 χ^2/NDF:411031.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 2878146.2/24

All: 0.000+/-0.000 χ^2/NDF: 6525105.3/50

- sign 0.000+/-0.000 χ^2/NDF: 3624927.9/25

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.038+/-0.016 χ^2/NDF:21.3/8

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

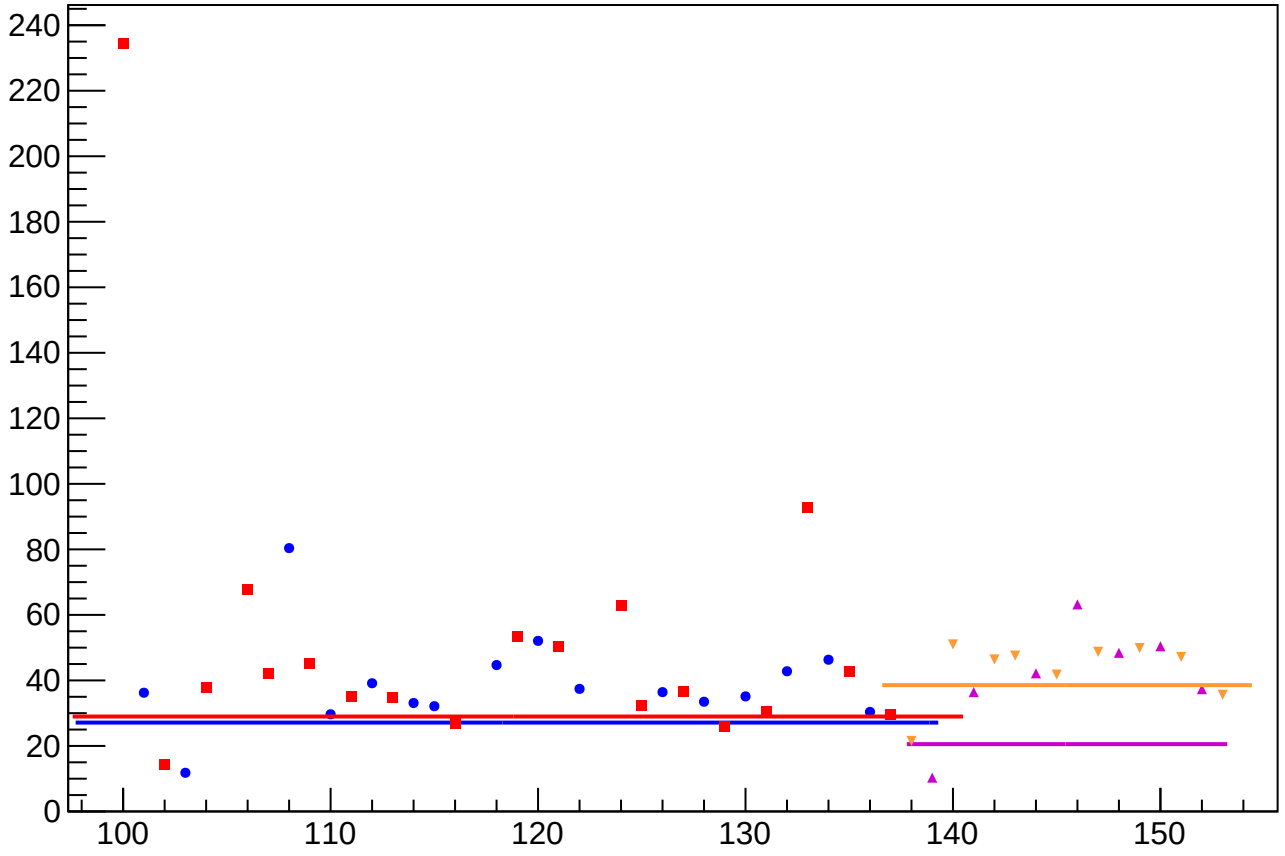
Left In: -0.004+/-0.011 χ^2/NDF:6.6/6

+ sign 0.014+/-0.010 χ^2/NDF: 41.2/24

All: 0.014+/-0.006 χ^2/NDF: 65.3/50

- sign 0.015+/-0.008 χ^2/NDF: 24.1/25

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 38.562+/-0.011 χ^2/NDF:971816.9/8

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

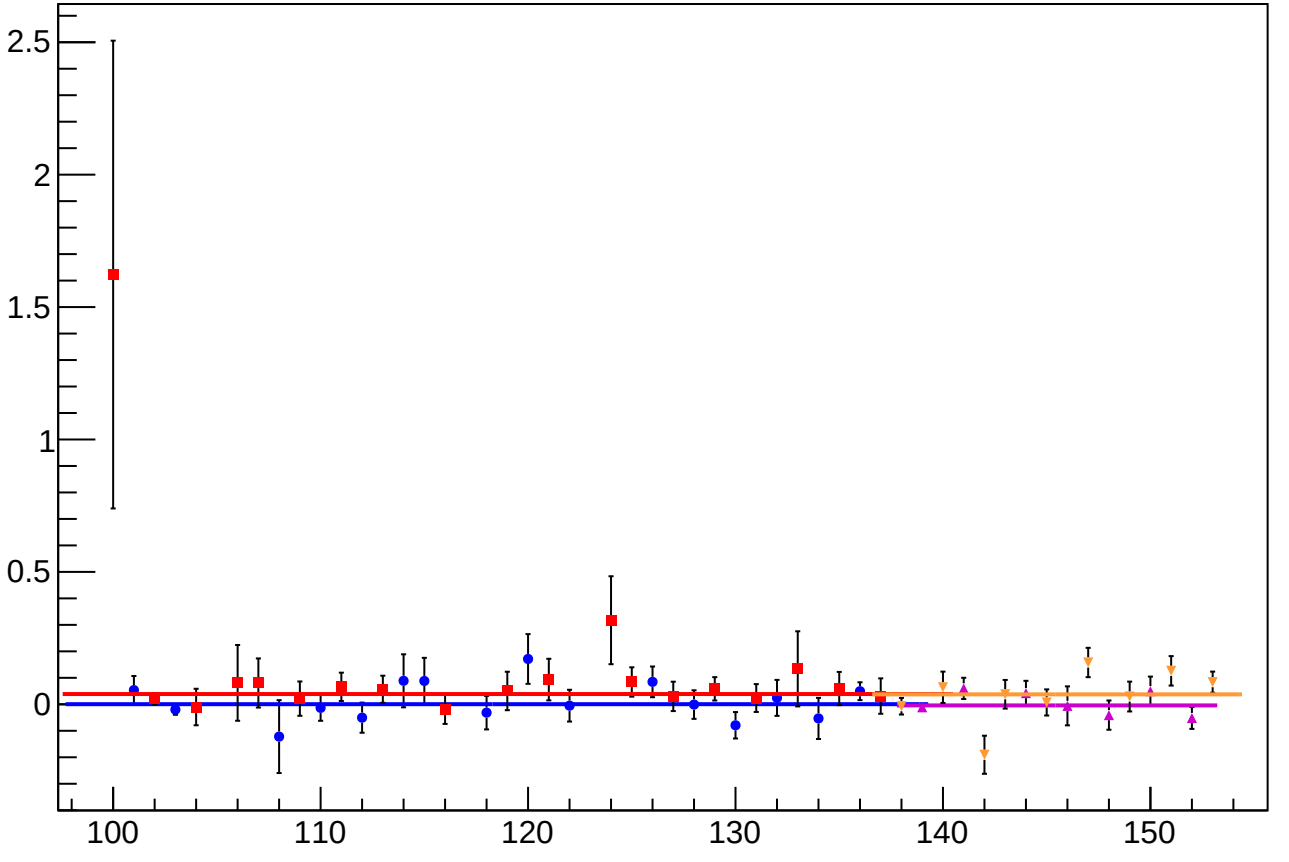
Left In: 20.551+/-0.008 χ^2/NDF:4010520.2/6

+ sign 31.213+/-0.007 χ^2/NDF: 4032363.5/24

All: 27.226+/-0.004 χ^2/NDF: 11597911.1/50

- sign 24.235+/-0.006 χ^2/NDF: 6967528.6/25

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.038+/-0.016 χ^2/NDF:21.3/8

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

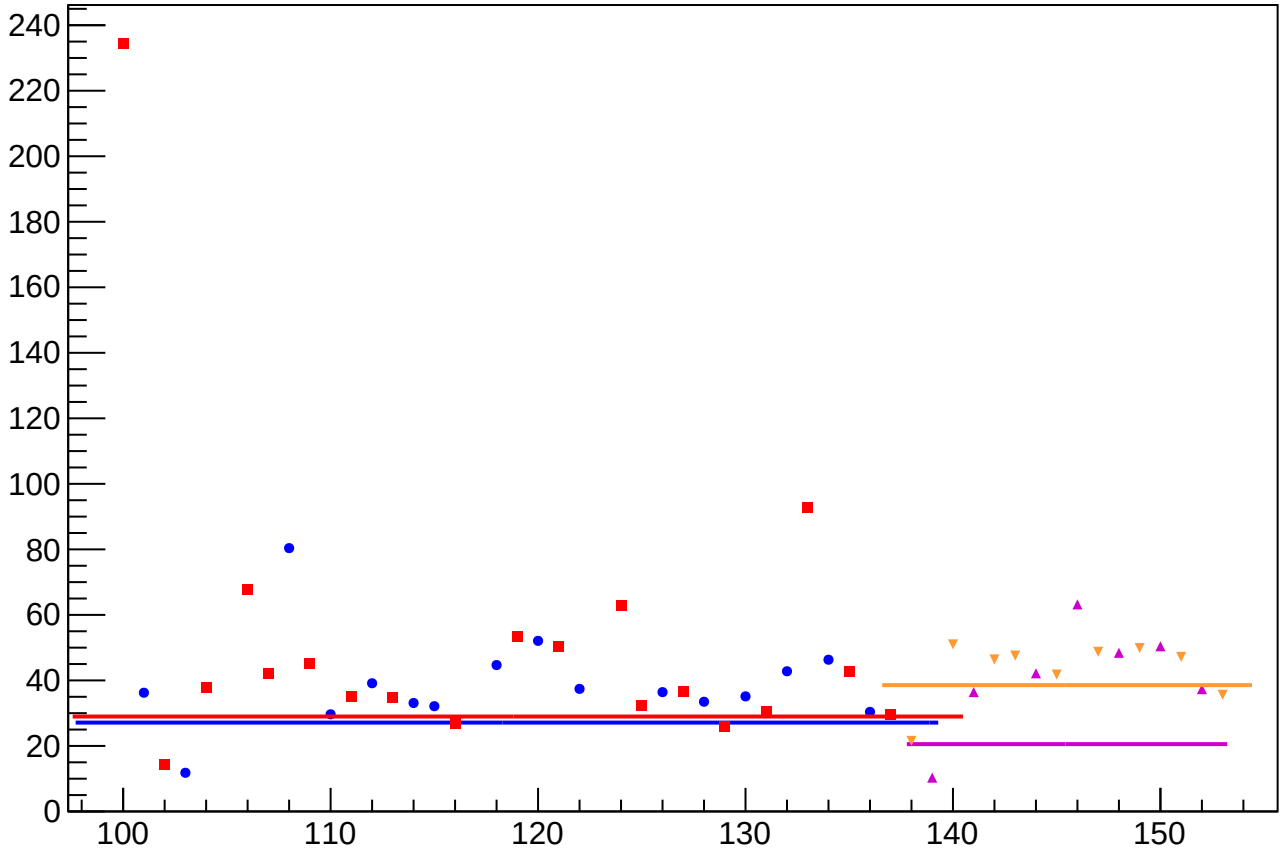
Left In: -0.004+/-0.011 χ^2/NDF:6.6/6

+ sign 0.014+/-0.010 χ^2/NDF: 41.2/24

All: 0.014+/-0.006 χ^2/NDF: 65.3/50

- sign 0.015+/-0.008 χ^2/NDF: 24.1/25

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 38.562+/-0.011 χ^2/NDF:971816.9/8

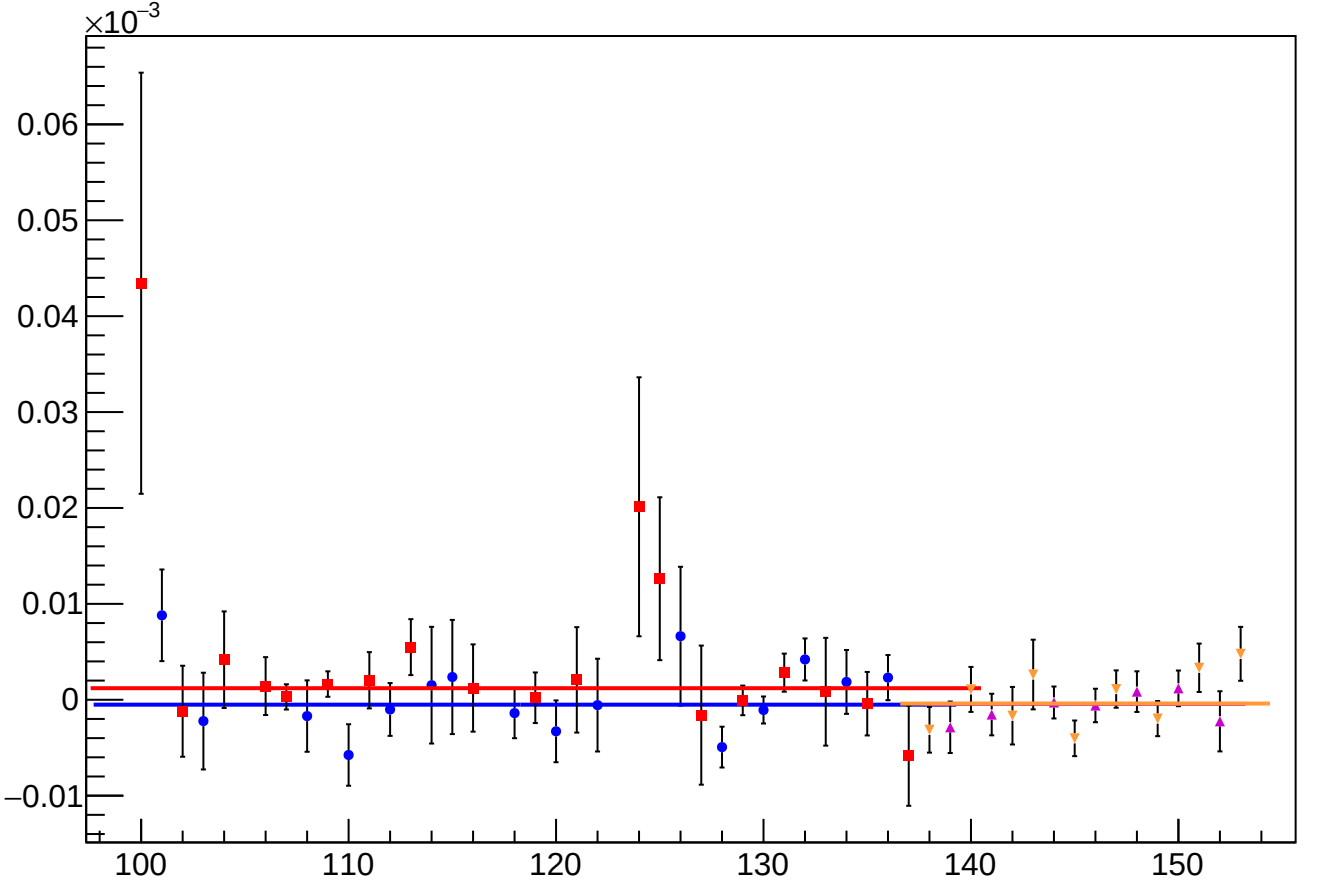
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.551+/-0.008 χ^2/NDF:4010520.2/6

+ sign 31.213+/-0.007 χ^2/NDF: 4032363.5/24

All: 27.226+/-0.004 χ^2/NDF: 11597911.1/50

- sign 24.235+/-0.006 χ^2/NDF: 6967528.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/8

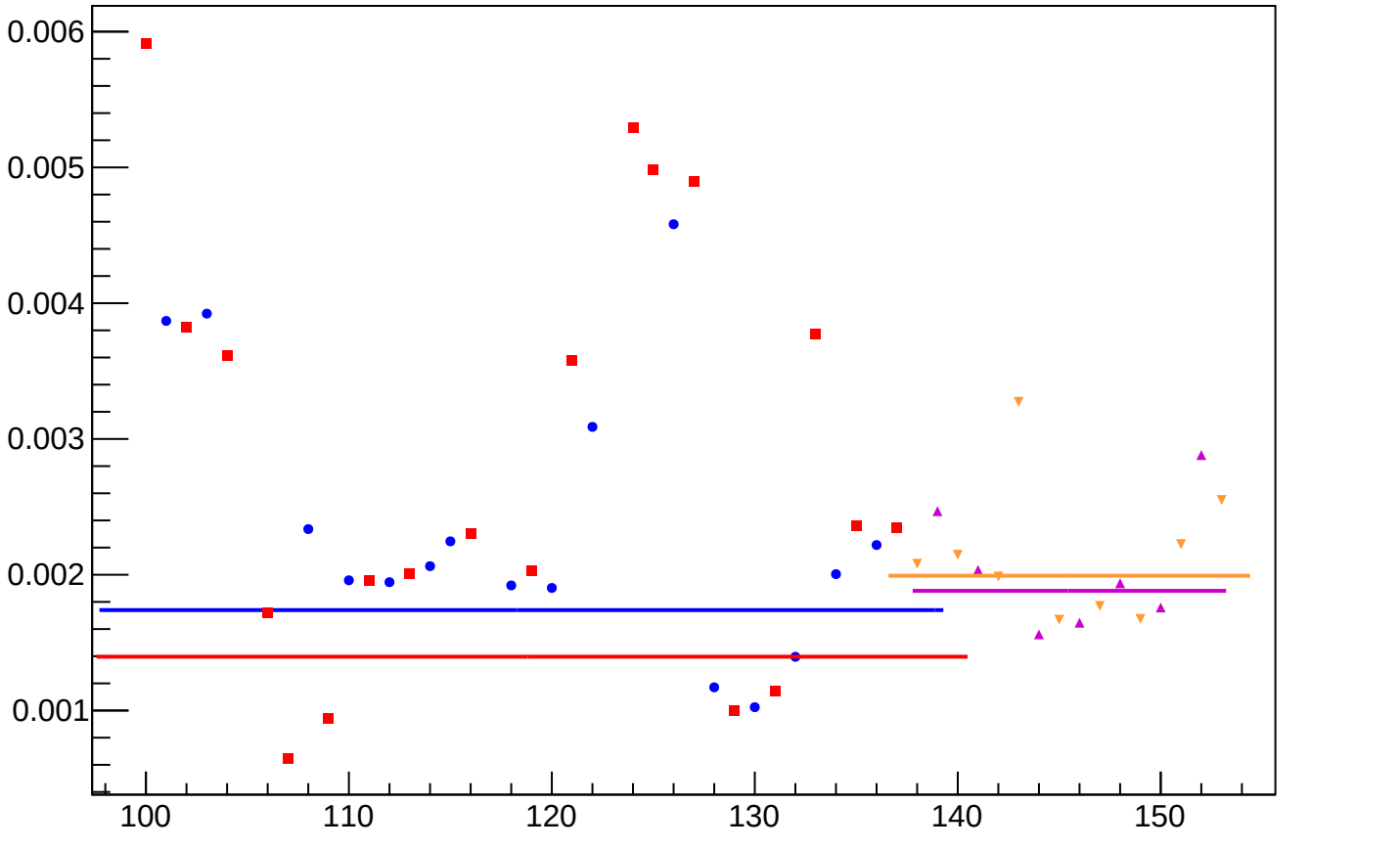
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/24

All: 0.000+/-0.000 χ^2/NDF: 55.3/50

- sign 0.000+/-0.000 χ^2/NDF: 19.9/25



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:502913.2/8

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

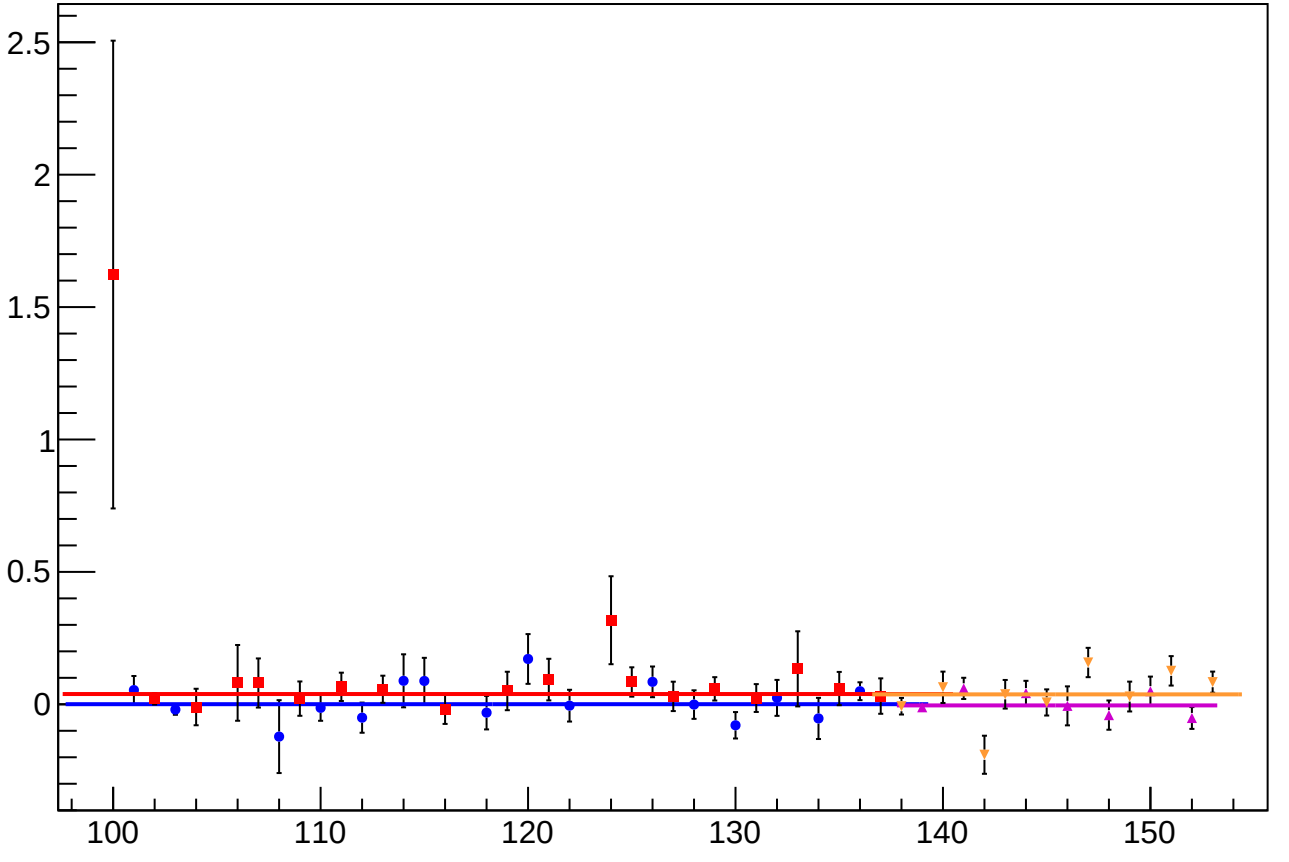
Left In: 0.002+/-0.000 χ^2/NDF:429358.7/6

+ sign 0.002+/-0.000 χ^2/NDF: 2765005.6/24

All: 0.002+/-0.000 χ^2/NDF: 8296919.5/50

- sign 0.002+/-0.000 χ^2/NDF: 5233589.0/25

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.038+/-0.016 χ^2/NDF:21.3/8

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

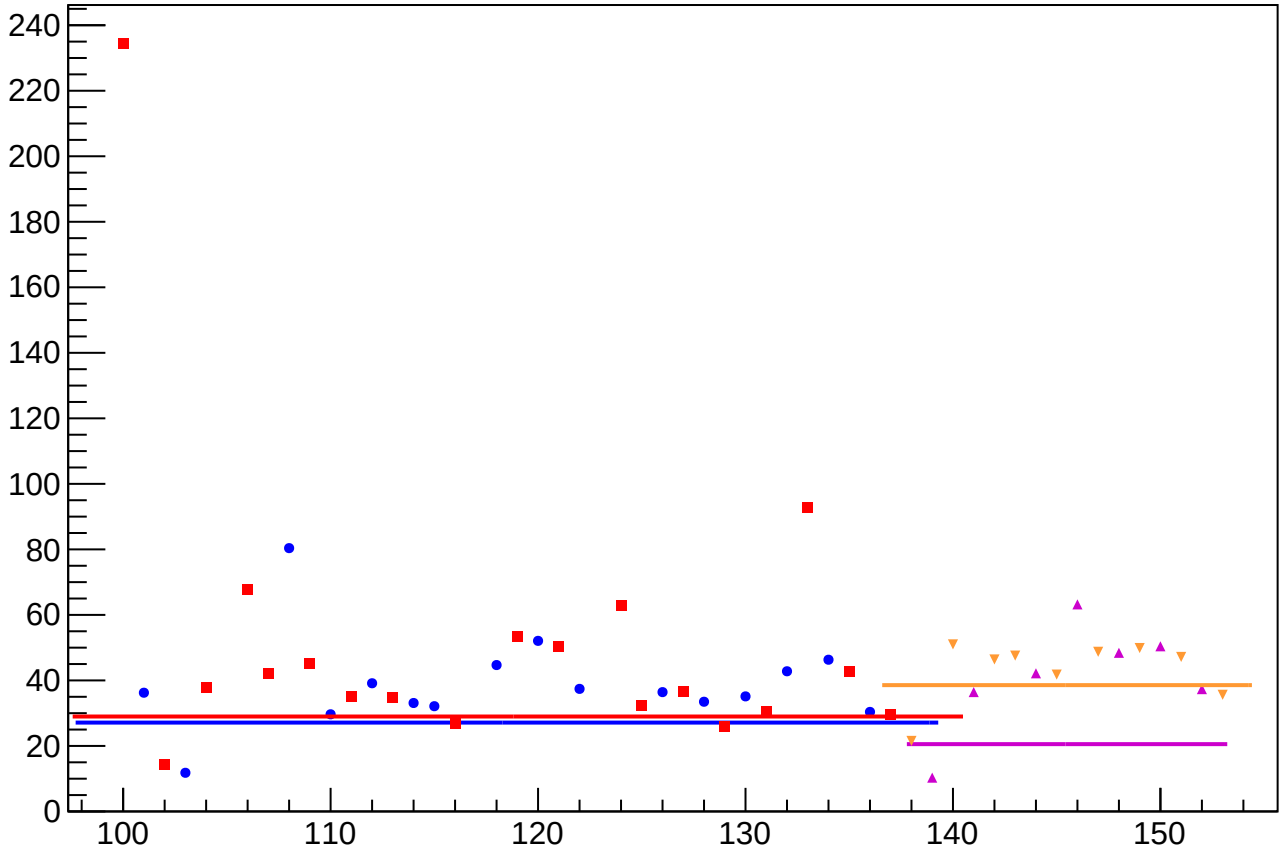
Left In: -0.004+/-0.011 χ^2/NDF:6.6/6

+ sign 0.014+/-0.010 χ^2/NDF: 41.2/24

All: 0.014+/-0.006 χ^2/NDF: 65.3/50

- sign 0.015+/-0.008 χ^2/NDF: 24.1/25

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 38.561+/-0.011 χ^2/NDF:972223.2/8

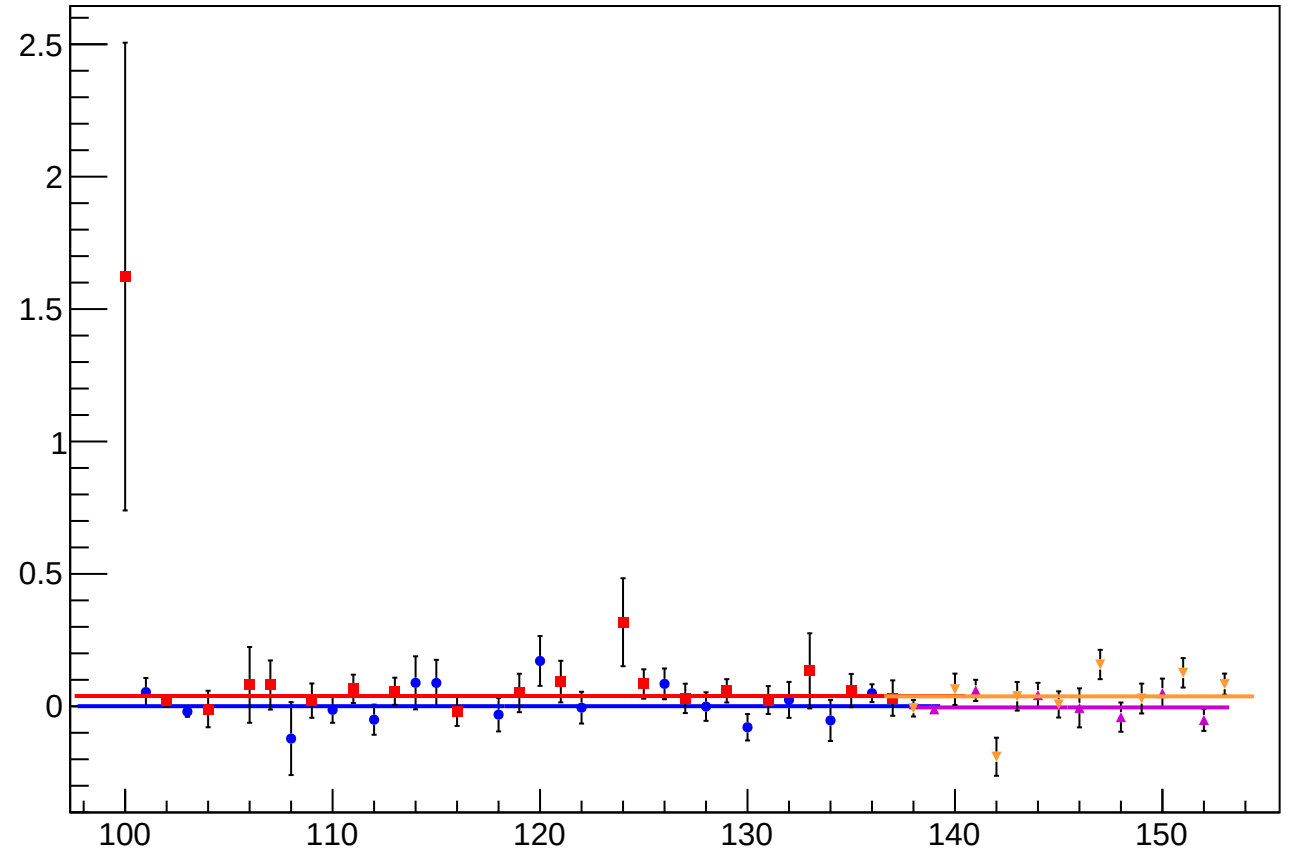
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.549+/-0.008 χ^2/NDF:4011084.0/6

+ sign 31.212+/-0.007 χ^2/NDF: 4033051.2/24

All: 27.225+/-0.004 χ^2/NDF: 11599087.9/50

- sign 24.235+/-0.006 χ^2/NDF: 6968066.2/25



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.038+/-0.016 χ^2/NDF:21.3/8

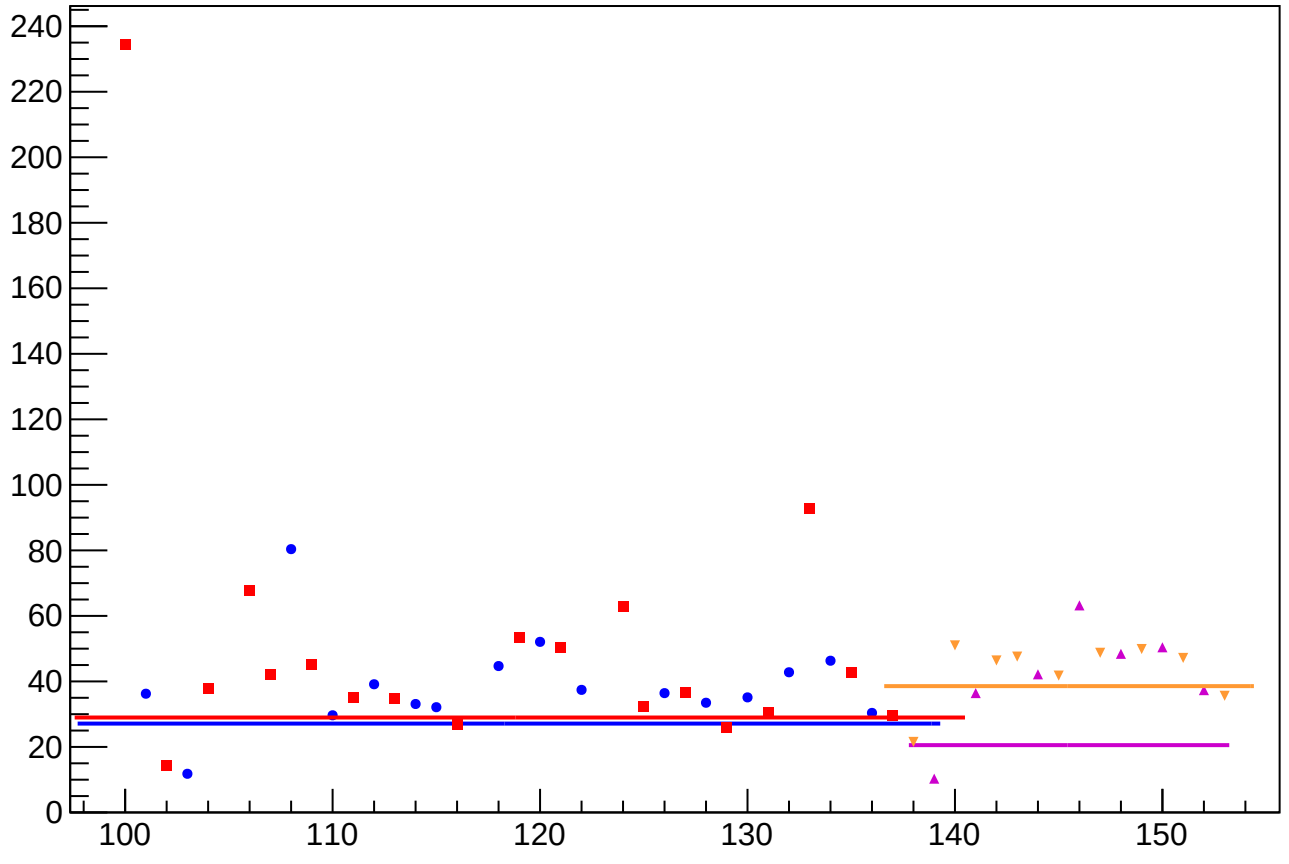
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.011 χ^2/NDF:6.6/6

+ sign 0.014+/-0.010 χ^2/NDF: 41.2/24

All: 0.014+/-0.006 χ^2/NDF: 65.3/50

- sign 0.015+/-0.008 χ^2/NDF: 24.1/25



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 38.561+/-0.011 χ^2/NDF:972223.2/8

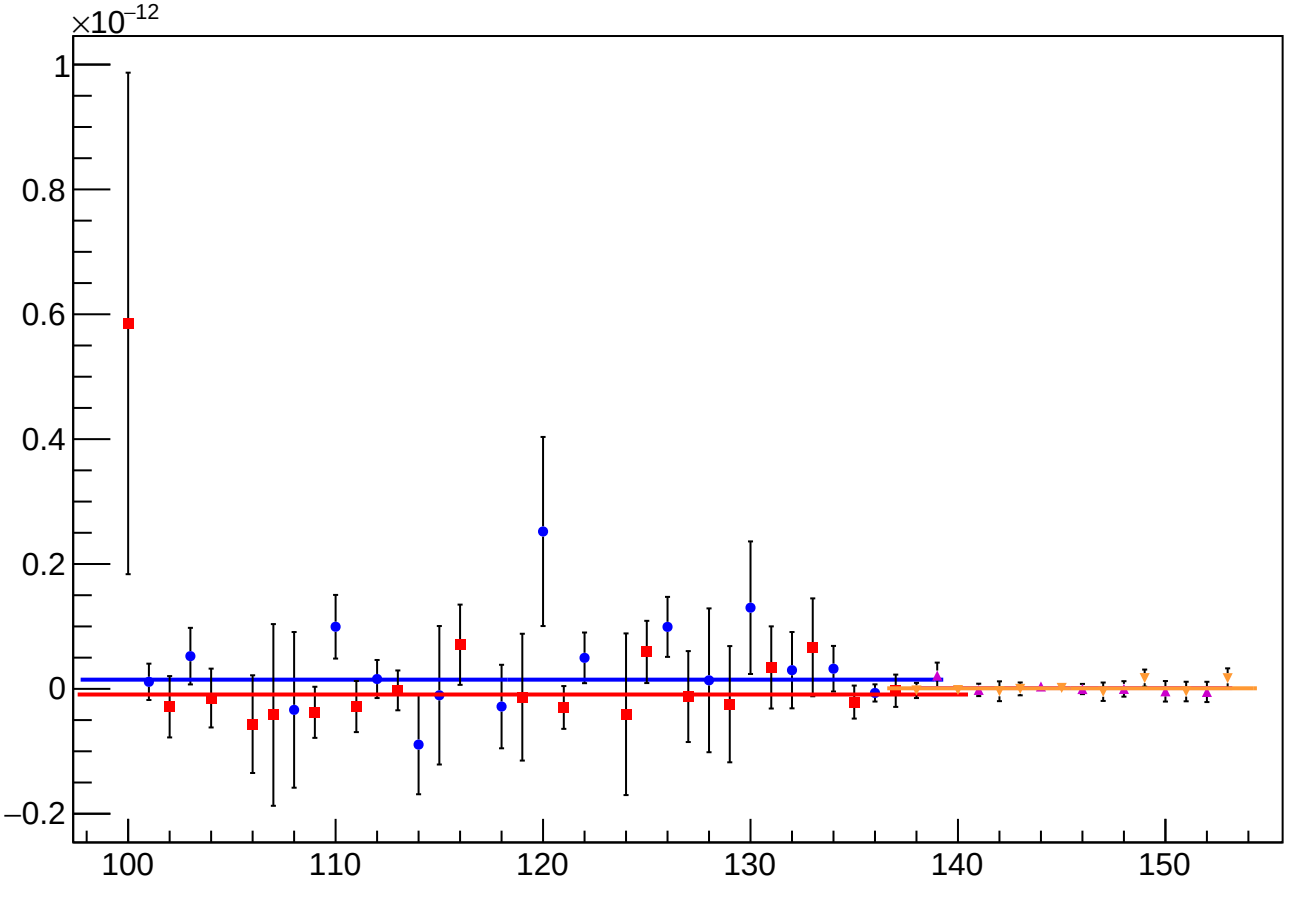
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.549+/-0.008 χ^2/NDF:4011084.0/6

\+ sign 31.212+/-0.007 χ^2/NDF: 4033051.2/24

All: 27.225+/-0.004 χ^2/NDF: 11599087.9/50

\- sign 24.235+/-0.006 χ^2/NDF: 6968066.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/8

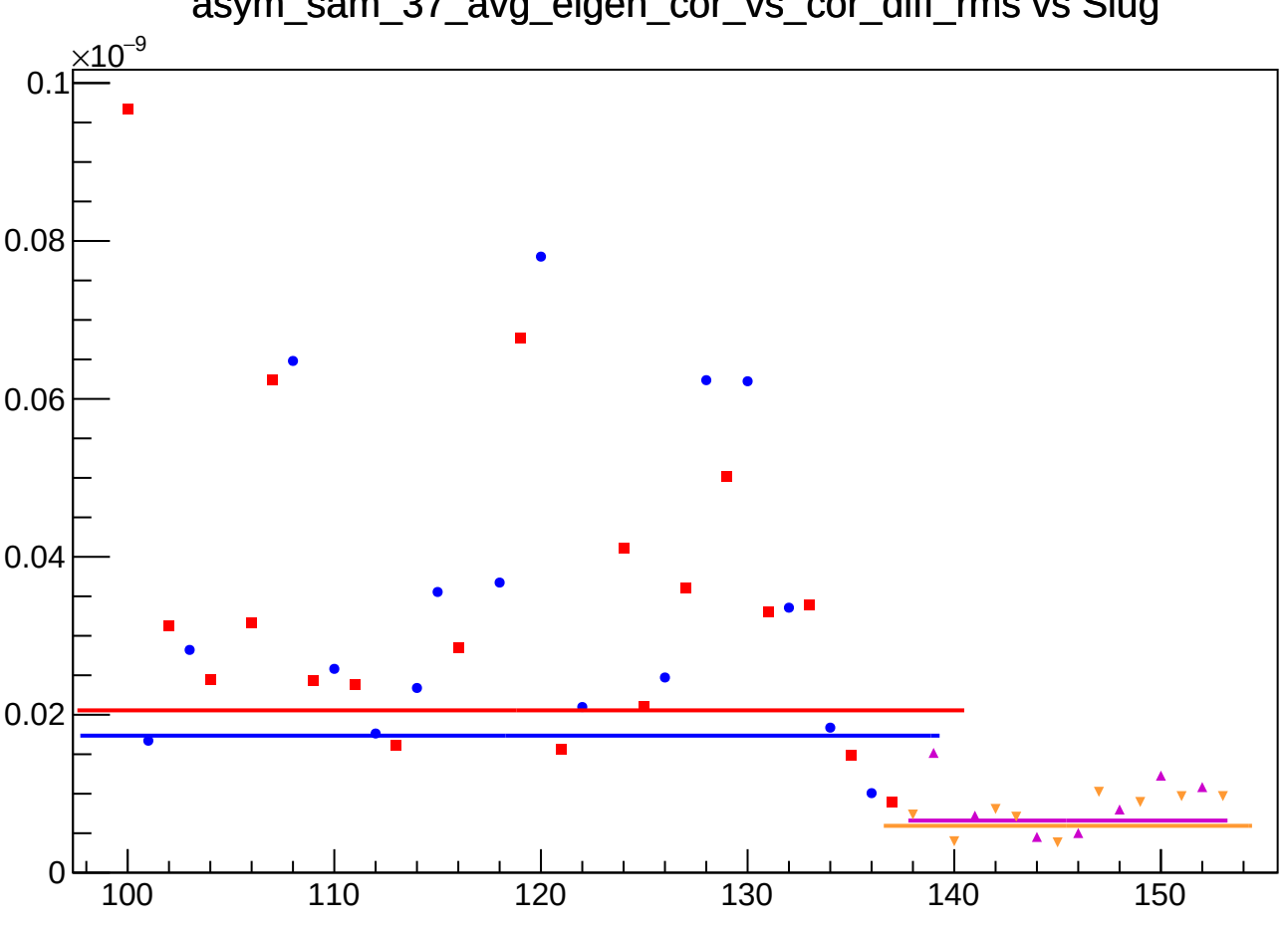
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 20.9/24

All: 0.000+/-0.000 χ^2/NDF: 32.4/50

- sign 0.000+/-0.000 χ^2/NDF: 11.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:969717.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

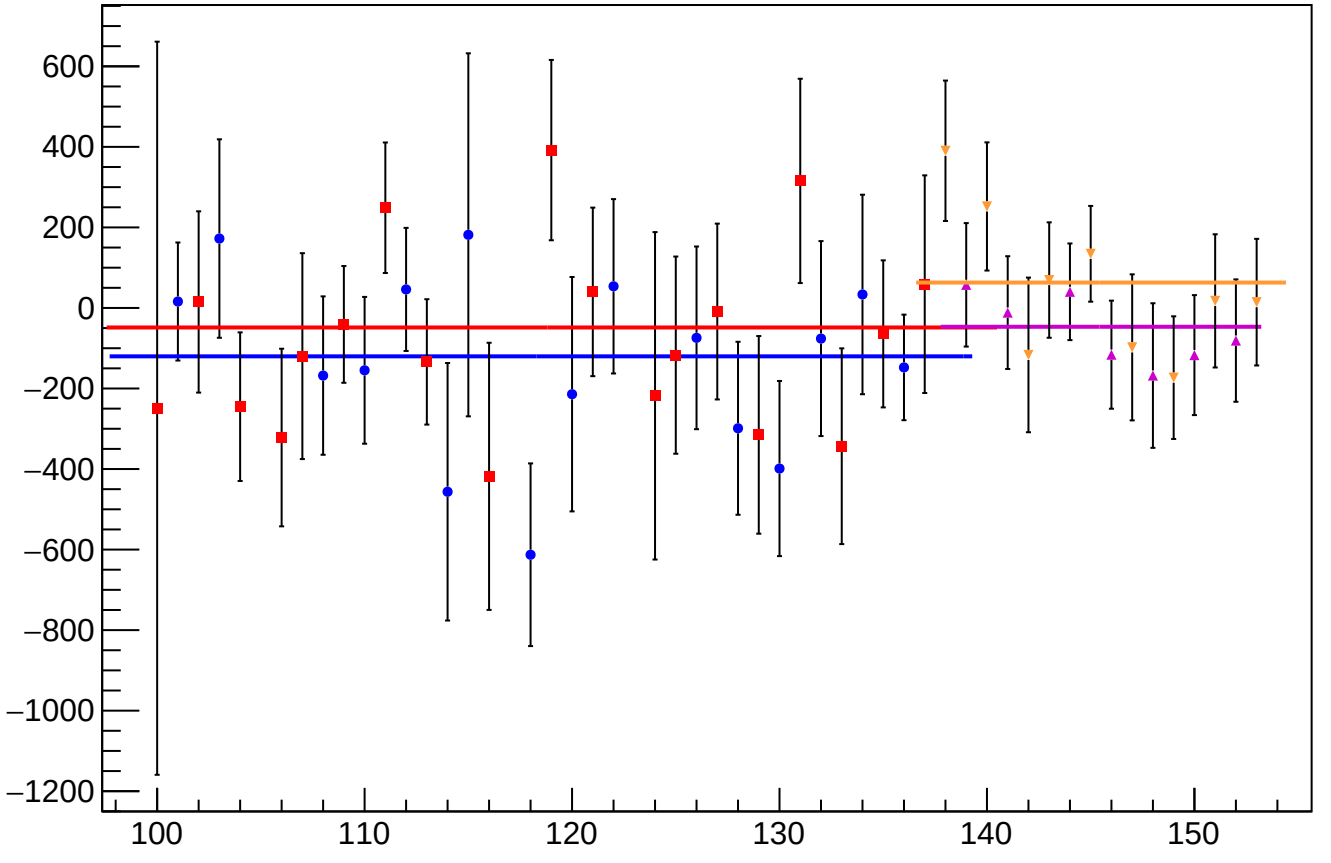
Left In: 0.000+/-0.000 χ^2/NDF:1025245.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 5991328.7/24

All: 0.000+/-0.000 χ^2/NDF: 11956316.8/50

- sign 0.000+/-0.000 χ^2/NDF: 5888963.7/25

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 63.071+/-52.023 χ^2/NDF:9.5/8

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

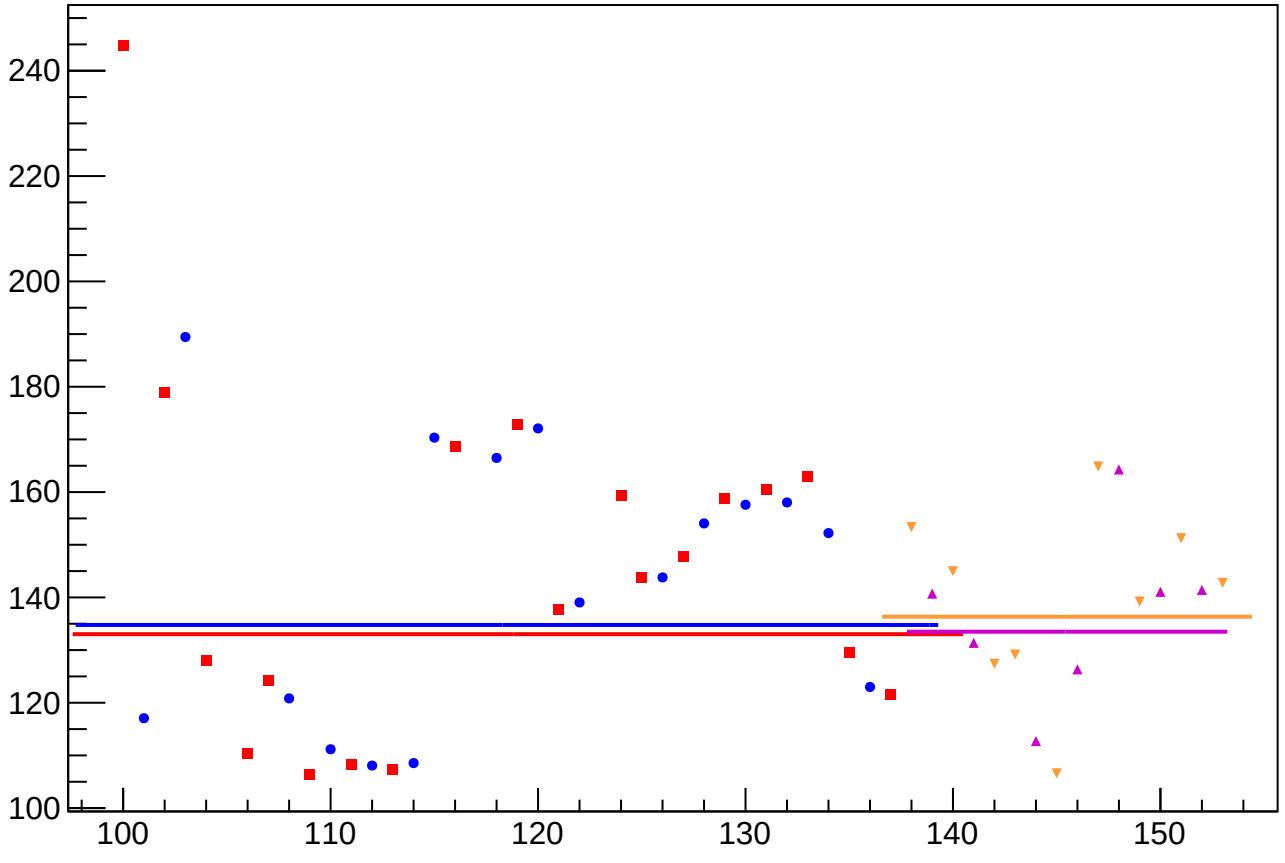
Left In: -46.739+/-54.397 χ^2/NDF:2.0/6

+ sign -30.179+/-36.456 χ^2/NDF: 29.3/24

All: -38.846+/-25.891 χ^2/NDF: 48.4/50

- sign -47.667+/-36.776 χ^2/NDF: 19.0/25

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 136.335+/-0.037 χ^2/NDF:229207.7/8

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

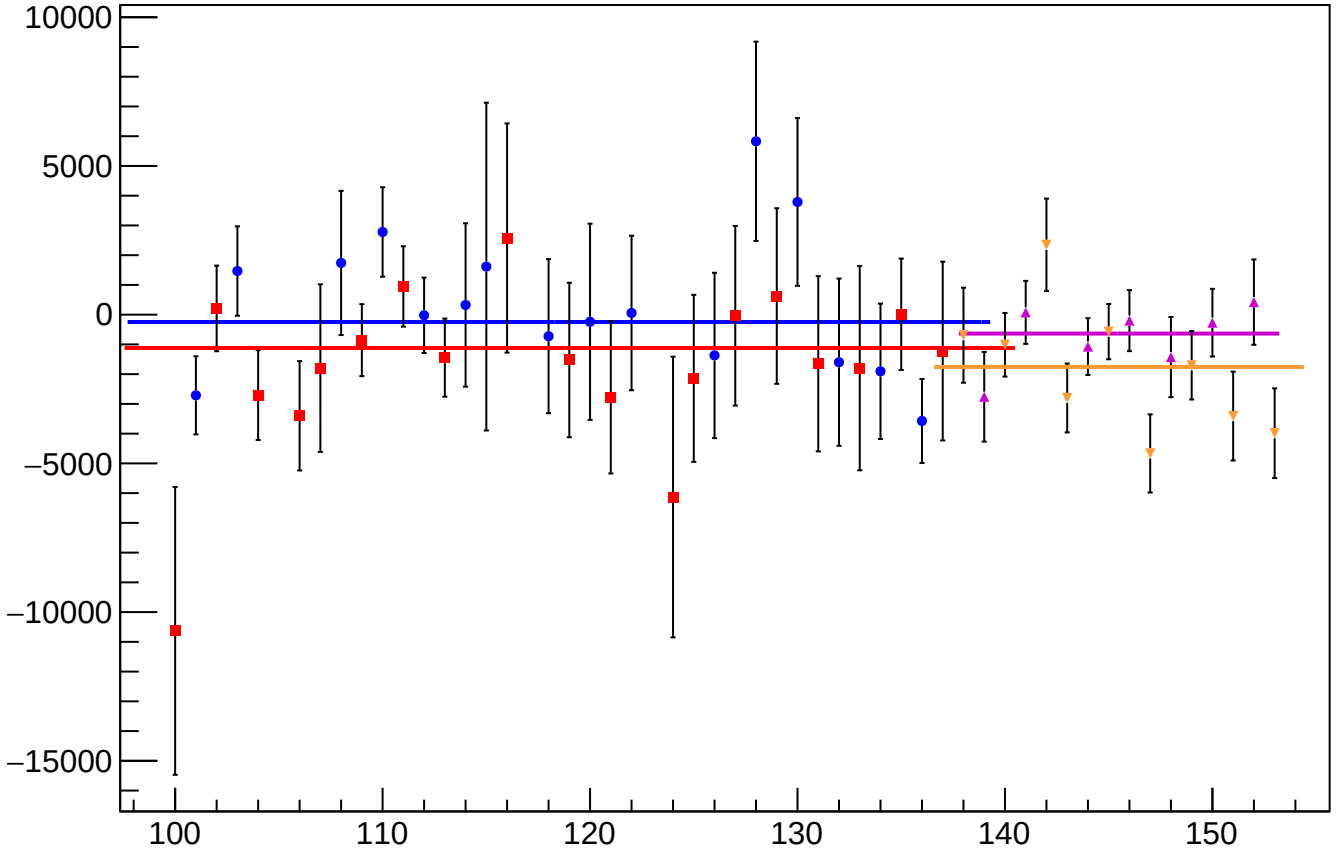
Left In: 133.494+/-0.038 χ^2/NDF:139966.7/6

+ sign 135.539+/-0.026 χ^2/NDF: 646906.5/24

All: 134.398+/-0.018 χ^2/NDF: 1286629.2/50

- sign 133.236+/-0.026 χ^2/NDF: 635766.3/25

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1757.729+/-415.007 χ^2/NDF:18.7/8

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

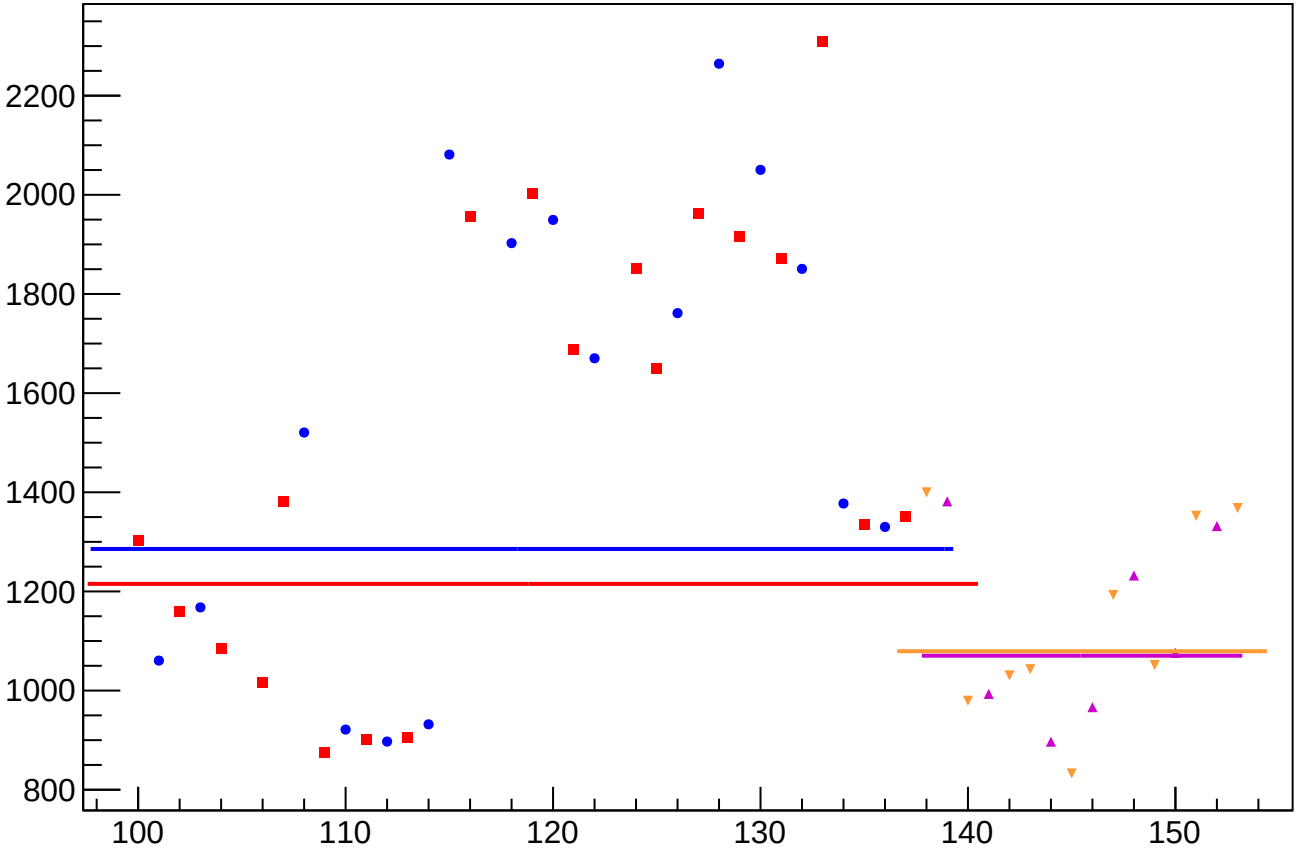
Left In: -635.499+/-439.034 χ^2/NDF:3.8/6

+ sign -1143.290+/-319.705 χ^2/NDF: 45.7/24

All: -1002.824+/-226.284 χ^2/NDF: 63.8/50

- sign -861.816+/-320.322 χ^2/NDF: 17.8/25

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1079.408+/-0.293 χ^2/NDF:399077.2/8

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

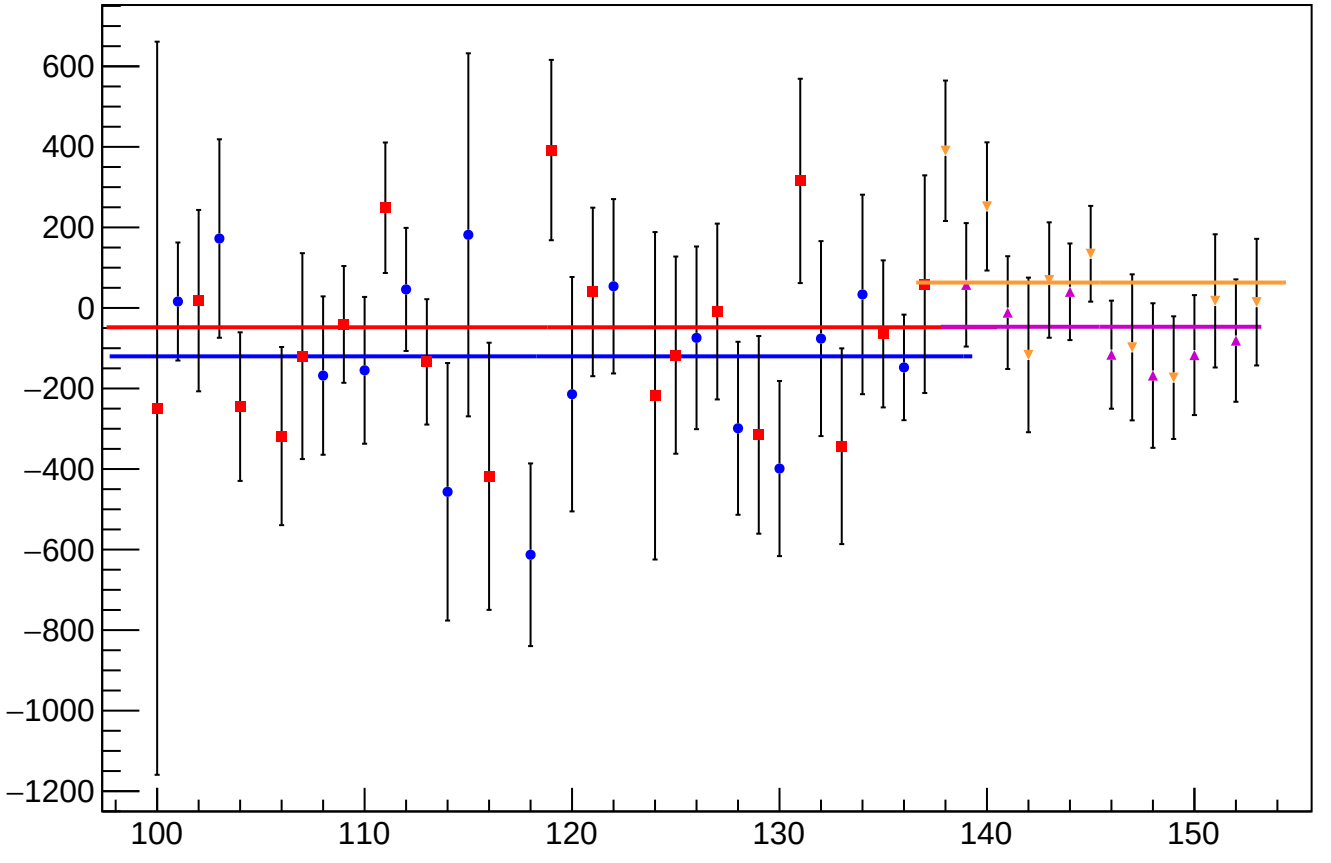
Left In: 1070.375+/-0.310 χ^2/NDF:277528.8/6

+ sign 1163.262+/-0.226 χ^2/NDF: 1770357.8/24

All: 1150.717+/-0.160 χ^2/NDF: 3542180.7/50

- sign 1138.123+/-0.227 χ^2/NDF: 1765651.9/25

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 63.084+/-52.023 χ^2/NDF:9.5/8

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

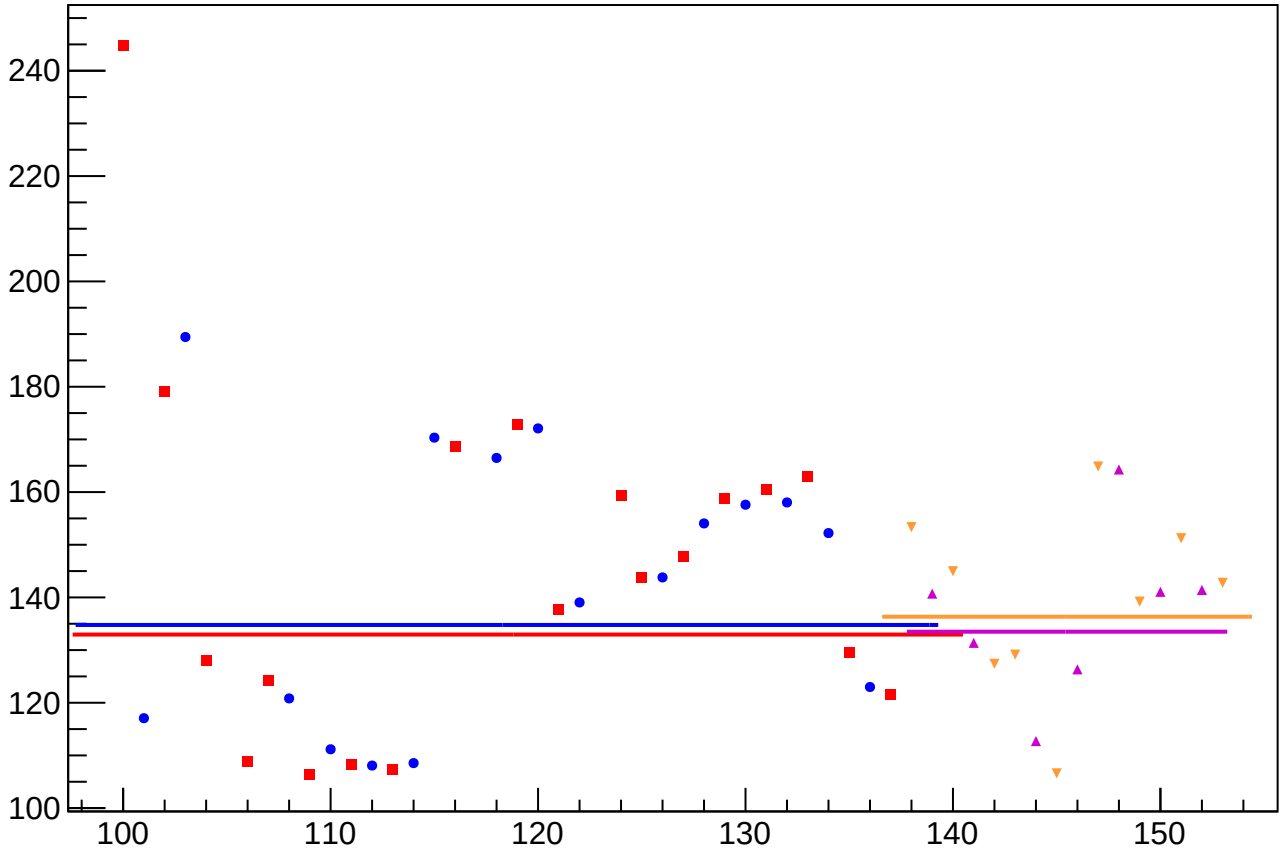
Left In: -46.745+/-54.397 χ^2/NDF:2.0/6

\+ sign -30.177+/-36.456 χ^2/NDF: 29.3/24

All: -38.729+/-25.892 χ^2/NDF: 48.4/50

\- sign -47.433+/-36.780 χ^2/NDF: 19.0/25

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 136.335+/-0.037 χ^2/NDF:229207.6/8

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

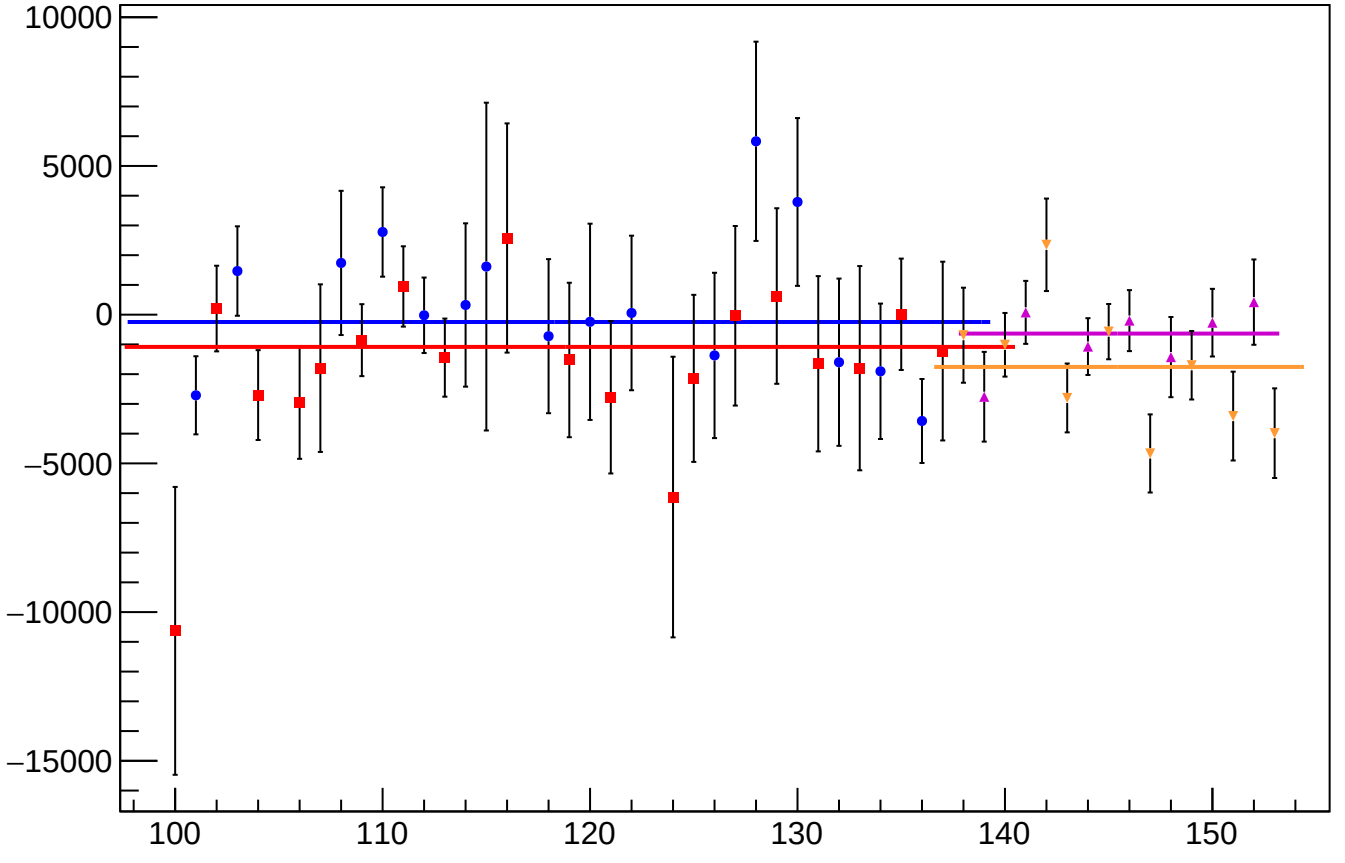
Left In: 133.494+/-0.038 χ^2/NDF:139966.7/6

\+ sign 135.539+/-0.026 χ^2/NDF: 646909.5/24

All: 134.378+/-0.018 χ^2/NDF: 1289928.5/50

\- sign 133.197+/-0.026 χ^2/NDF: 638926.9/25

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1757.718+/-415.007 χ^2/NDF:18.7/8

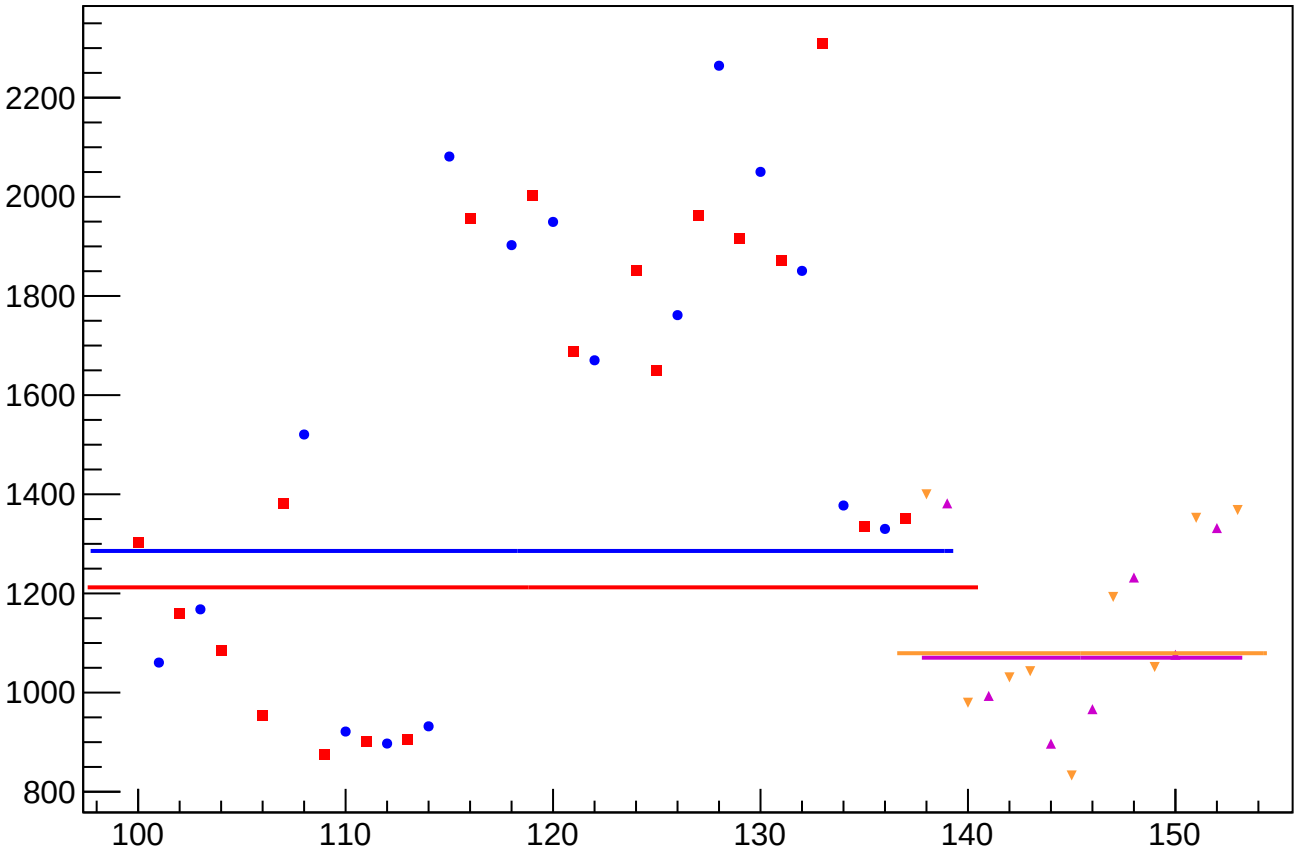
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -635.511+/-439.034 χ^2/NDF:3.8/6

+ sign -1143.319+/-319.706 χ^2/NDF: 45.7/24

All: -994.515+/-226.388 χ^2/NDF: 63.2/50

- sign -844.861+/-320.618 χ^2/NDF: 17.1/25



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1079.408+/-0.293 χ^2/NDF:399079.9/8

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

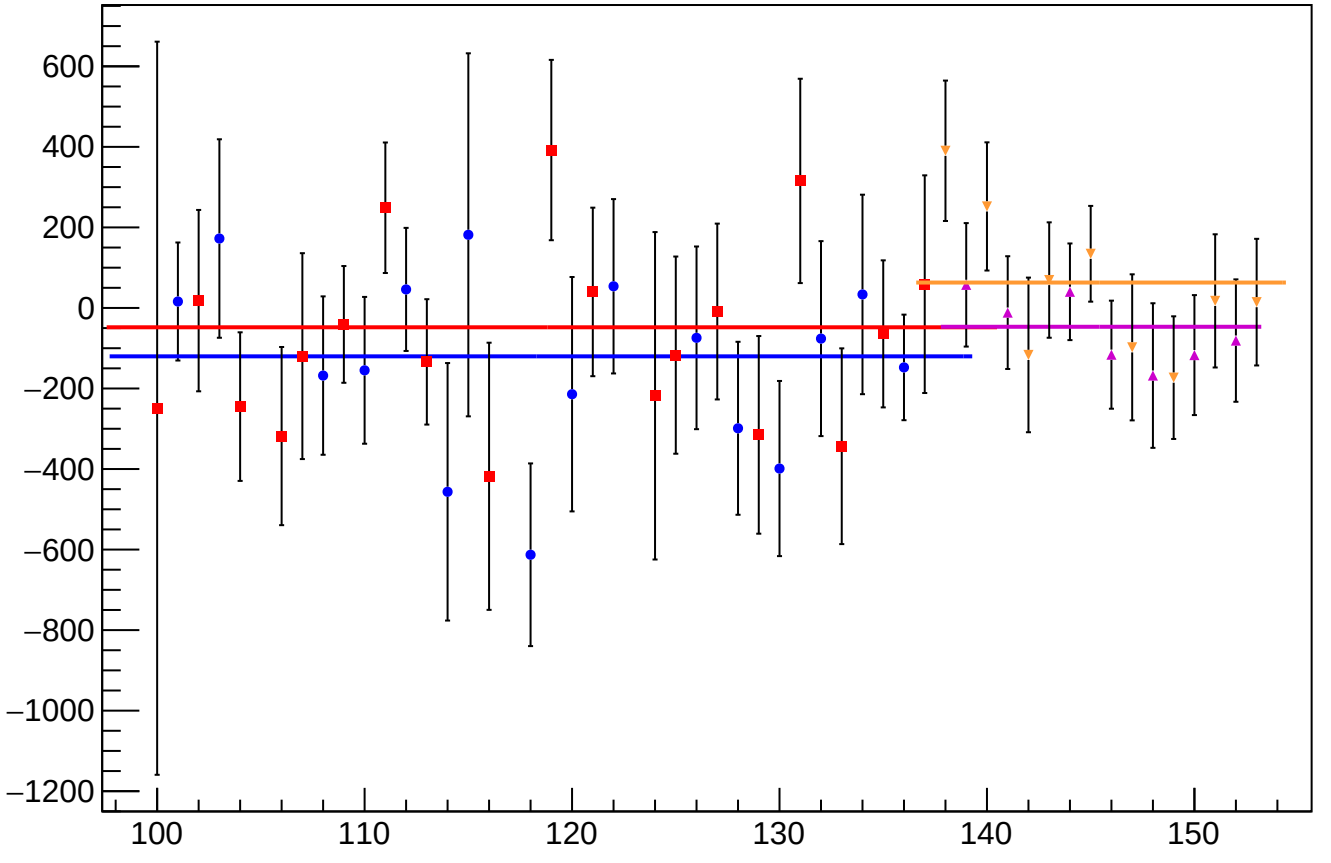
Left In: 1070.375+/-0.310 χ^2/NDF:277527.6/6

+ sign 1163.266+/-0.226 χ^2/NDF: 1770360.2/24

All: 1149.971+/-0.160 χ^2/NDF: 3552966.8/50

- sign 1136.599+/-0.227 χ^2/NDF: 1775668.9/25

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 63.084+/-52.023 χ^2/NDF:9.5/8

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

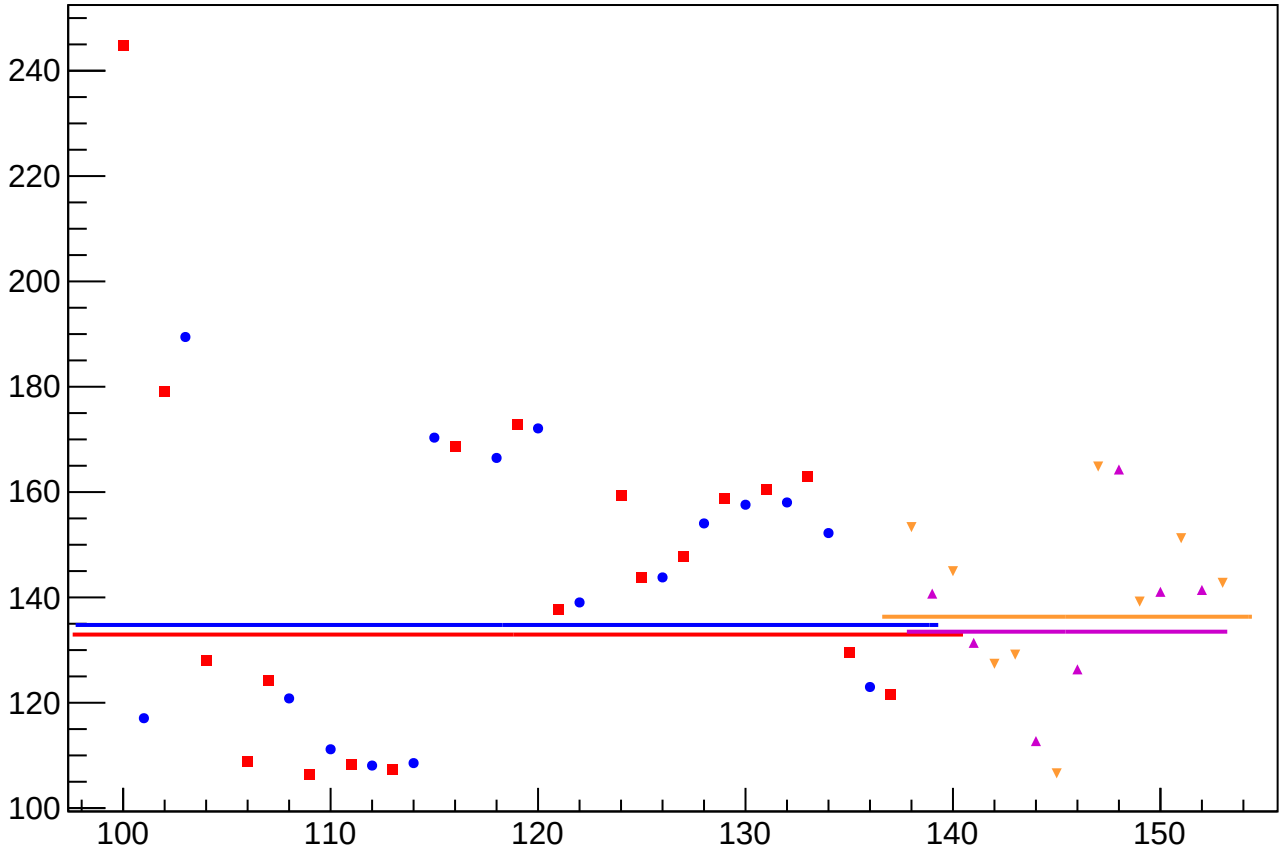
Left In: -46.745+/-54.397 χ^2/NDF:2.0/6

+ sign -30.177+/-36.456 χ^2/NDF: 29.3/24

All: -38.729+/-25.892 χ^2/NDF: 48.4/50

- sign -47.433+/-36.780 χ^2/NDF: 19.0/25

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 136.335+/-0.037 χ^2/NDF:229207.6/8

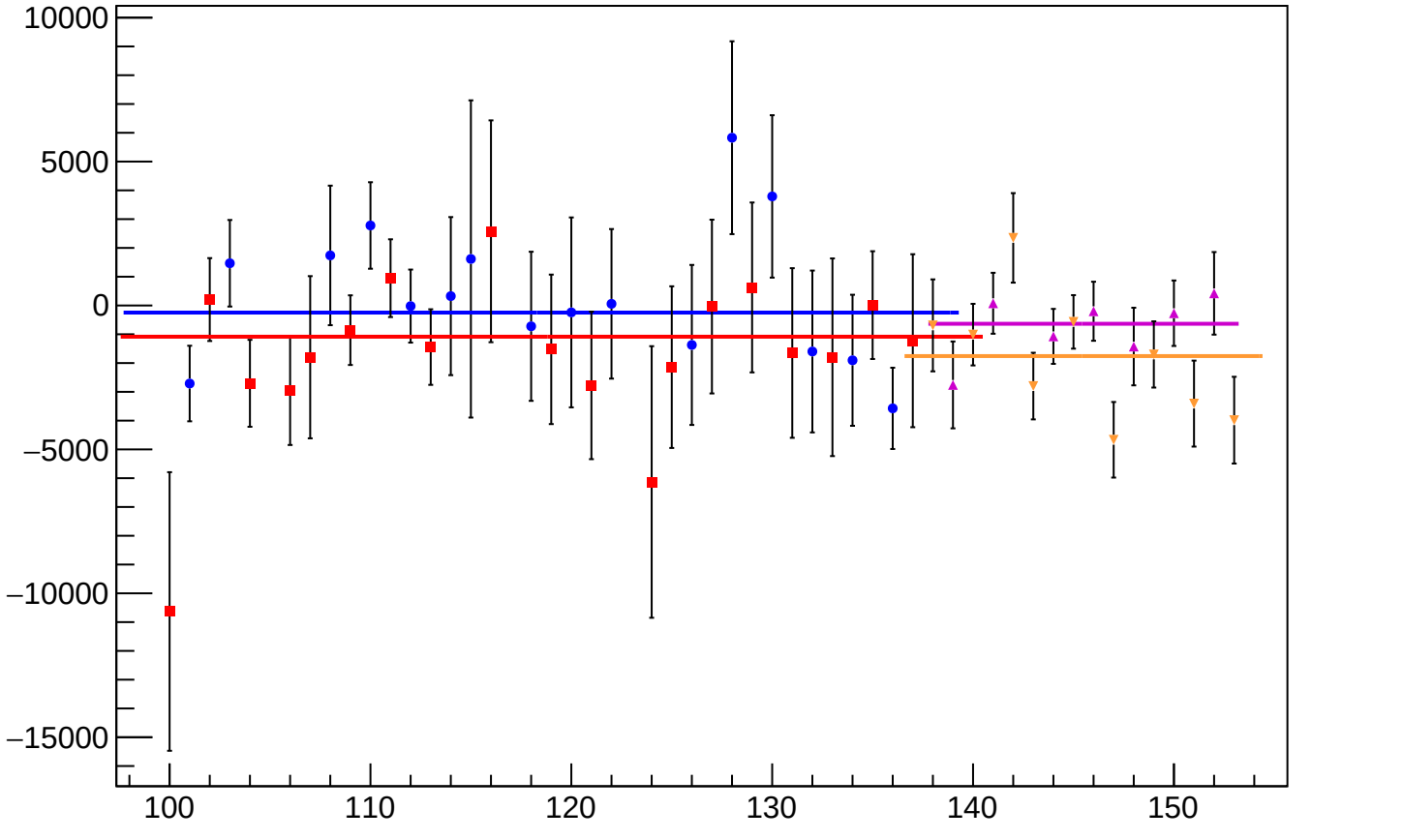
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 133.494+/-0.038 χ^2/NDF:139966.7/6

+ sign 135.539+/-0.026 χ^2/NDF: 646909.5/24

All: 134.378+/-0.018 χ^2/NDF: 1289928.5/50

- sign 133.197+/-0.026 χ^2/NDF: 638926.9/25



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1757.718+/-415.007 χ^2/NDF:18.7/8

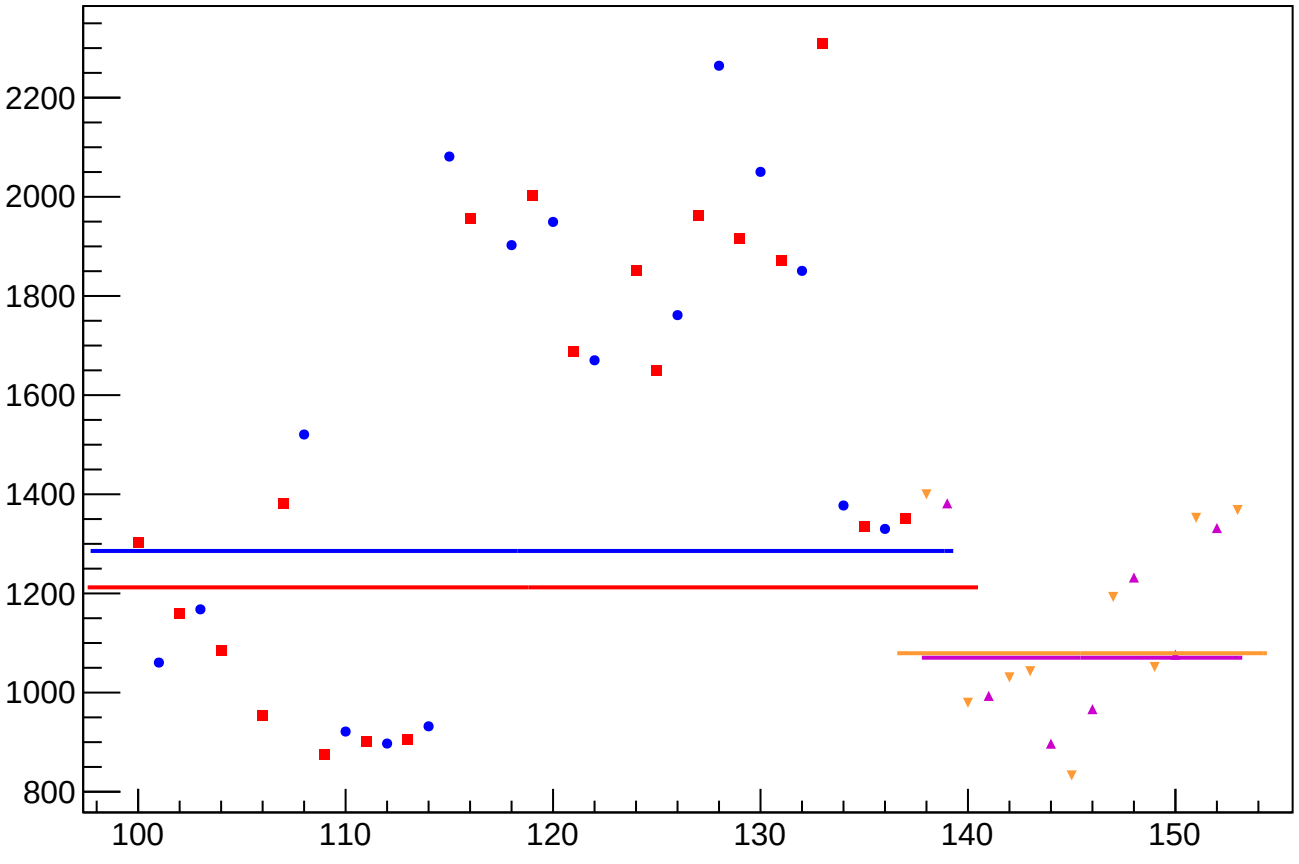
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -635.511+/-439.034 χ^2/NDF:3.8/6

+ sign -1143.319+/-319.706 χ^2/NDF: 45.7/24

All: -994.515+/-226.388 χ^2/NDF: 63.2/50

- sign -844.861+/-320.618 χ^2/NDF: 17.1/25



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1079.408+/-0.293 χ^2/NDF:399079.9/8

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

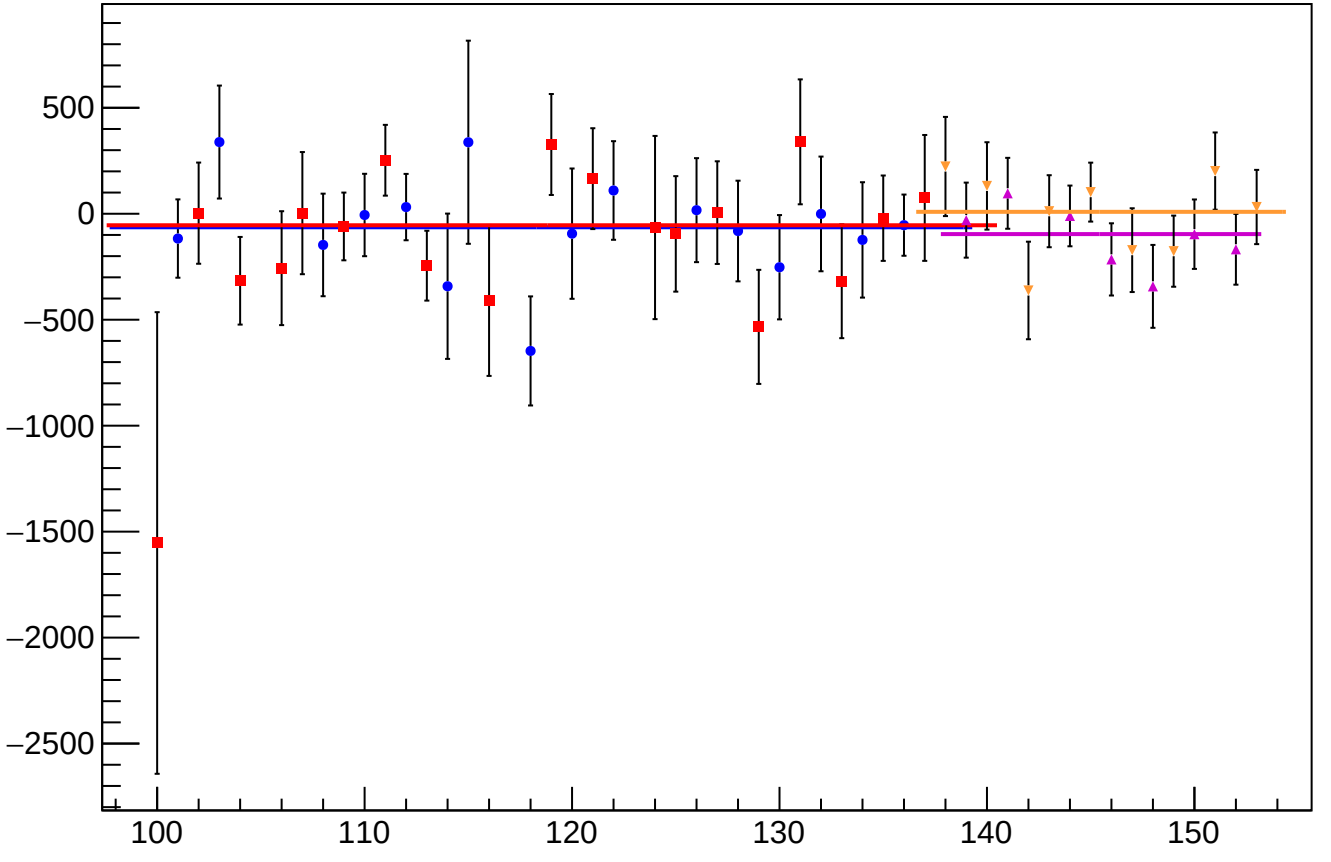
Left In: 1070.375+/-0.310 χ^2/NDF:277527.6/6

+ sign 1163.266+/-0.226 χ^2/NDF: 1770360.2/24

All: 1149.971+/-0.160 χ^2/NDF: 3552966.8/50

- sign 1136.599+/-0.227 χ^2/NDF: 1775668.9/25

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.085+/-60.771 χ^2/NDF:7.4/8

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

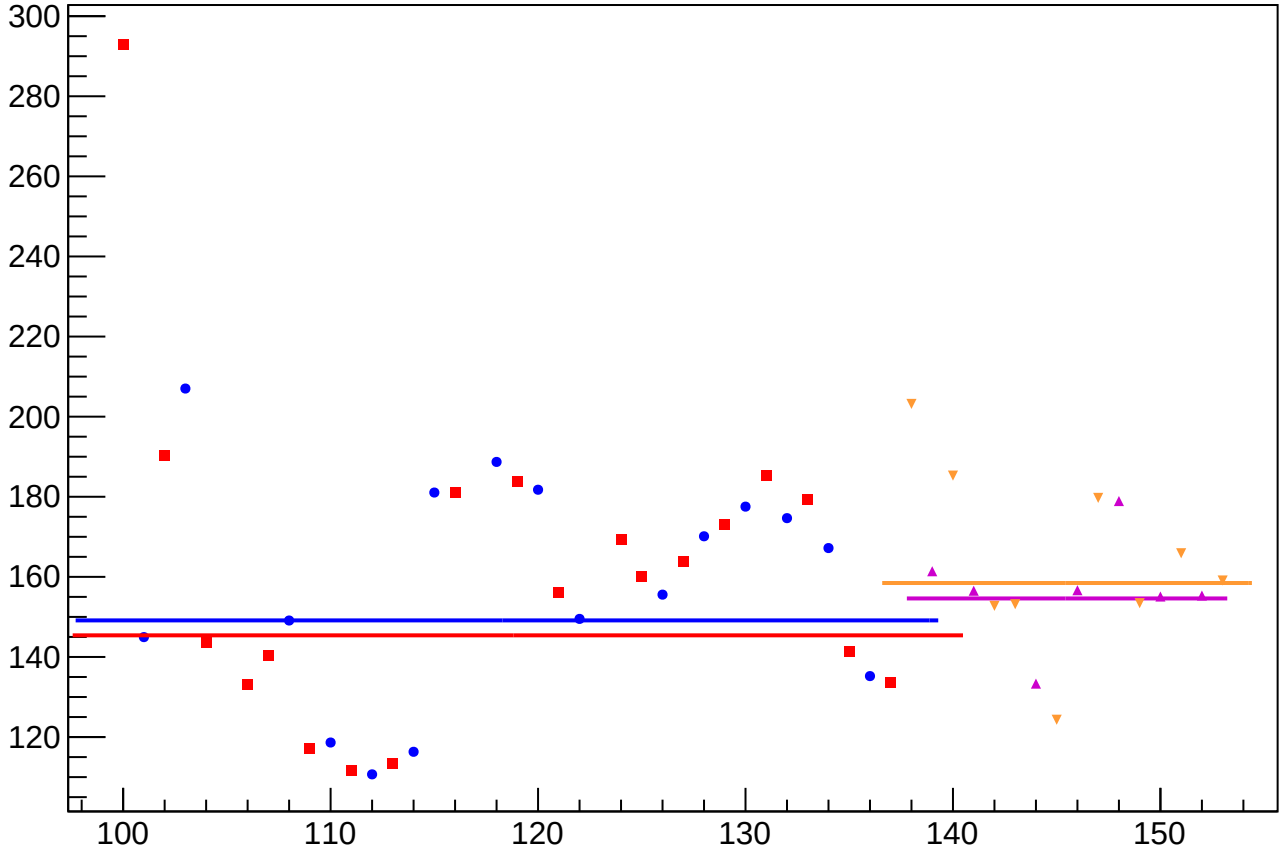
Left In: -95.976+/-63.235 χ^2/NDF:4.1/6

+ sign -29.848+/-41.470 χ^2/NDF: 19.0/24

All: -51.044+/-29.295 χ^2/NDF: 43.4/50

- sign -72.156+/-41.388 χ^2/NDF: 23.8/25

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.468+/-0.043 χ^2/NDF:258822.1/8

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

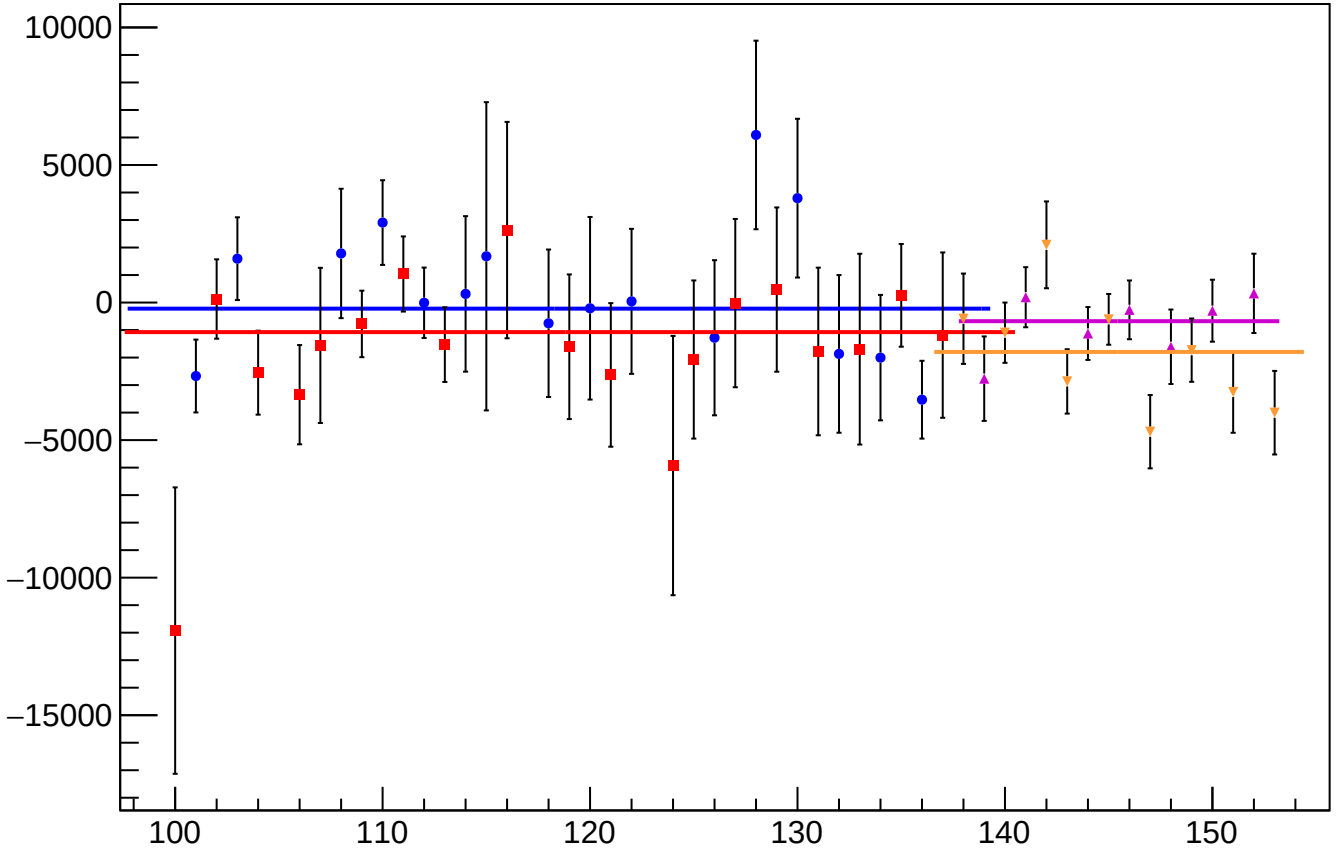
Left In: 154.610+/-0.045 χ^2/NDF:78564.8/6

+ sign 153.479+/-0.029 χ^2/NDF: 735053.2/24

All: 151.408+/-0.021 χ^2/NDF: 1373649.1/50

- sign 149.345+/-0.029 χ^2/NDF: 628642.0/25

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1795.197+/-418.180 χ^2/NDF:17.3/8

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

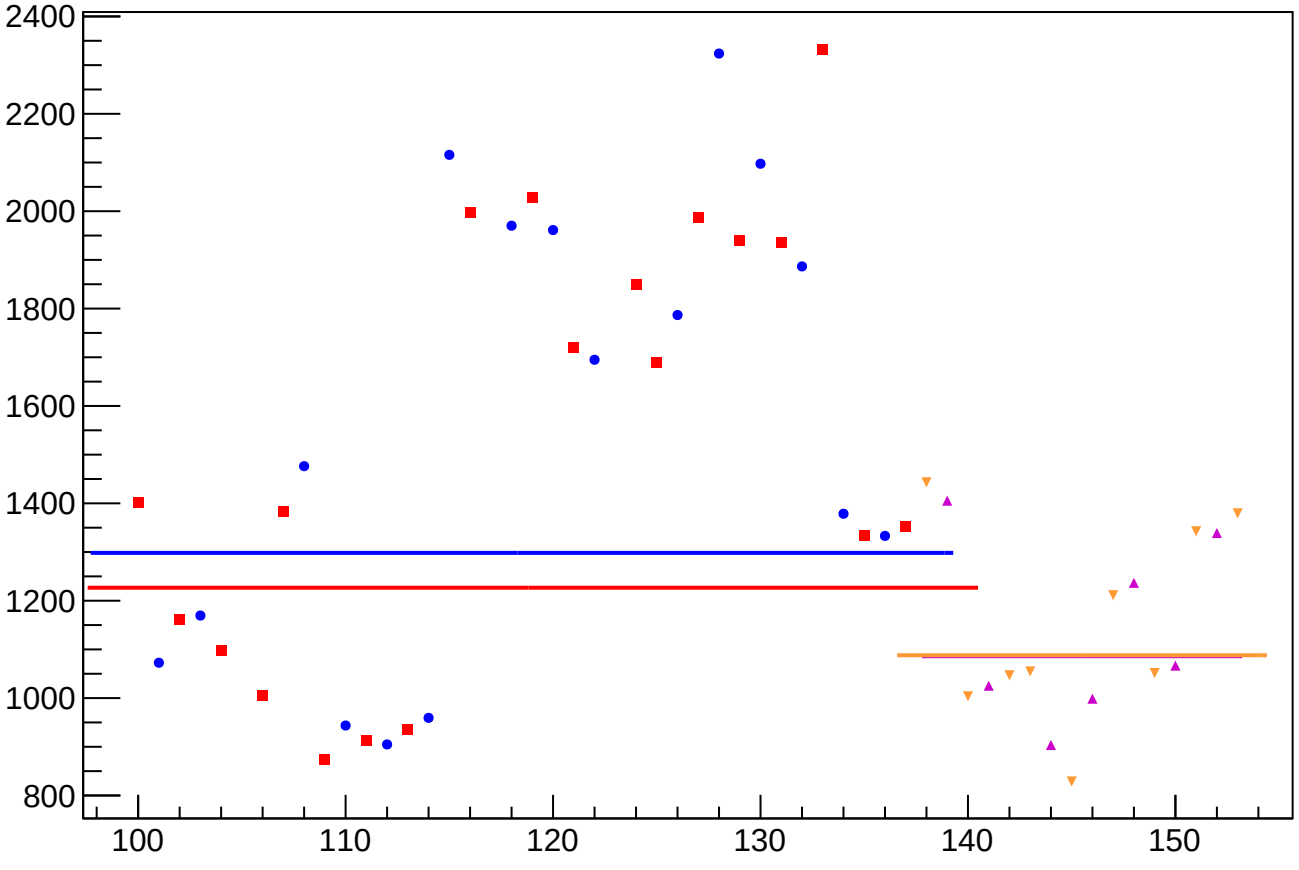
Left In: -677.259+/-445.557 χ^2/NDF:3.9/6

+ sign -1156.748+/-322.397 χ^2/NDF: 44.9/24

All: -1011.253+/-228.627 χ^2/NDF: 63.3/50

- sign -864.067+/-324.265 χ^2/NDF: 17.9/25

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1088.004+/-0.296 χ^2/NDF:418004.5/8

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

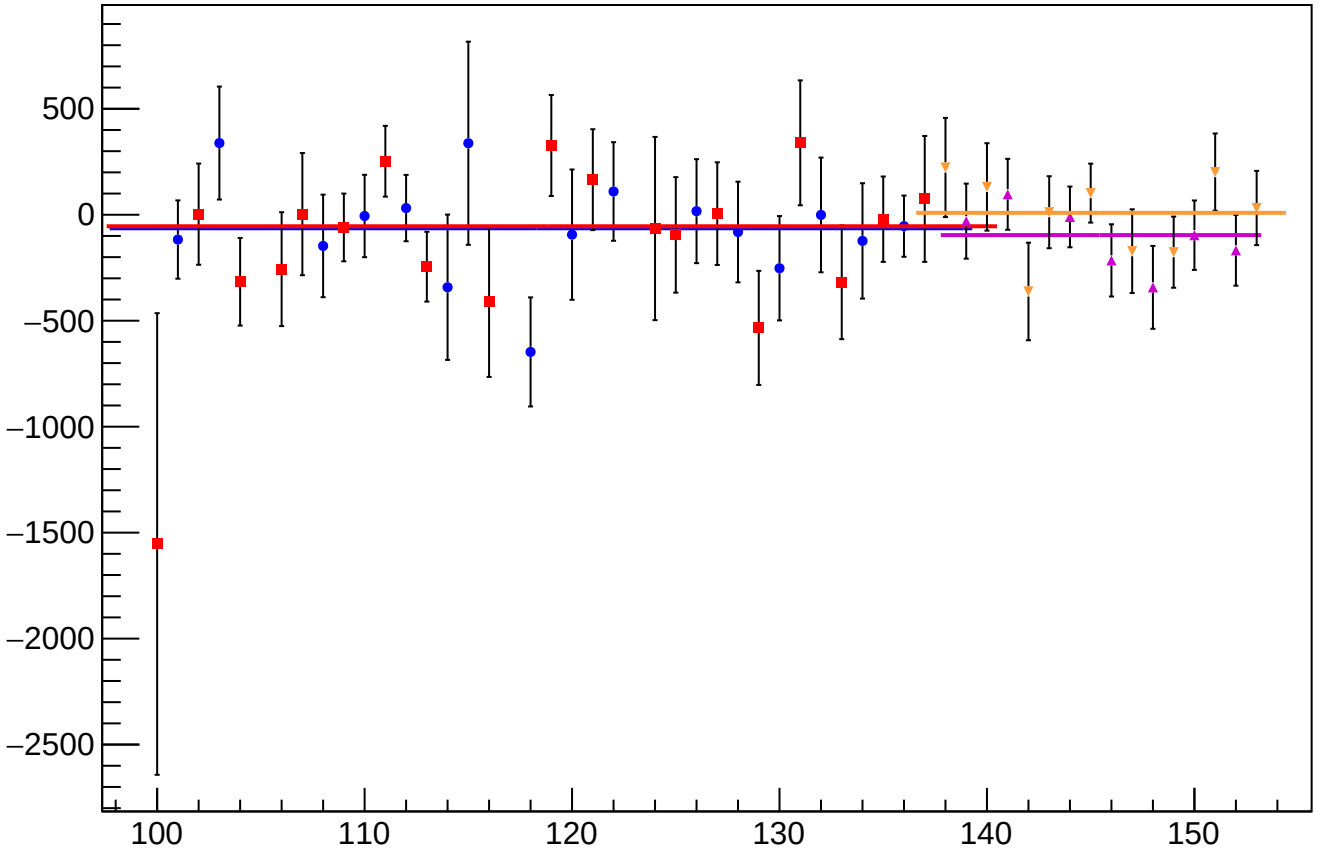
Left In: 1086.004+/-0.315 χ^2/NDF:265092.3/6

+ sign 1173.304+/-0.228 χ^2/NDF: 1805277.5/24

All: 1162.810+/-0.162 χ^2/NDF: 3572992.8/50

- sign 1152.193+/-0.229 χ^2/NDF: 1763452.1/25

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.086+/-60.771 χ^2/NDF:7.4/8

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

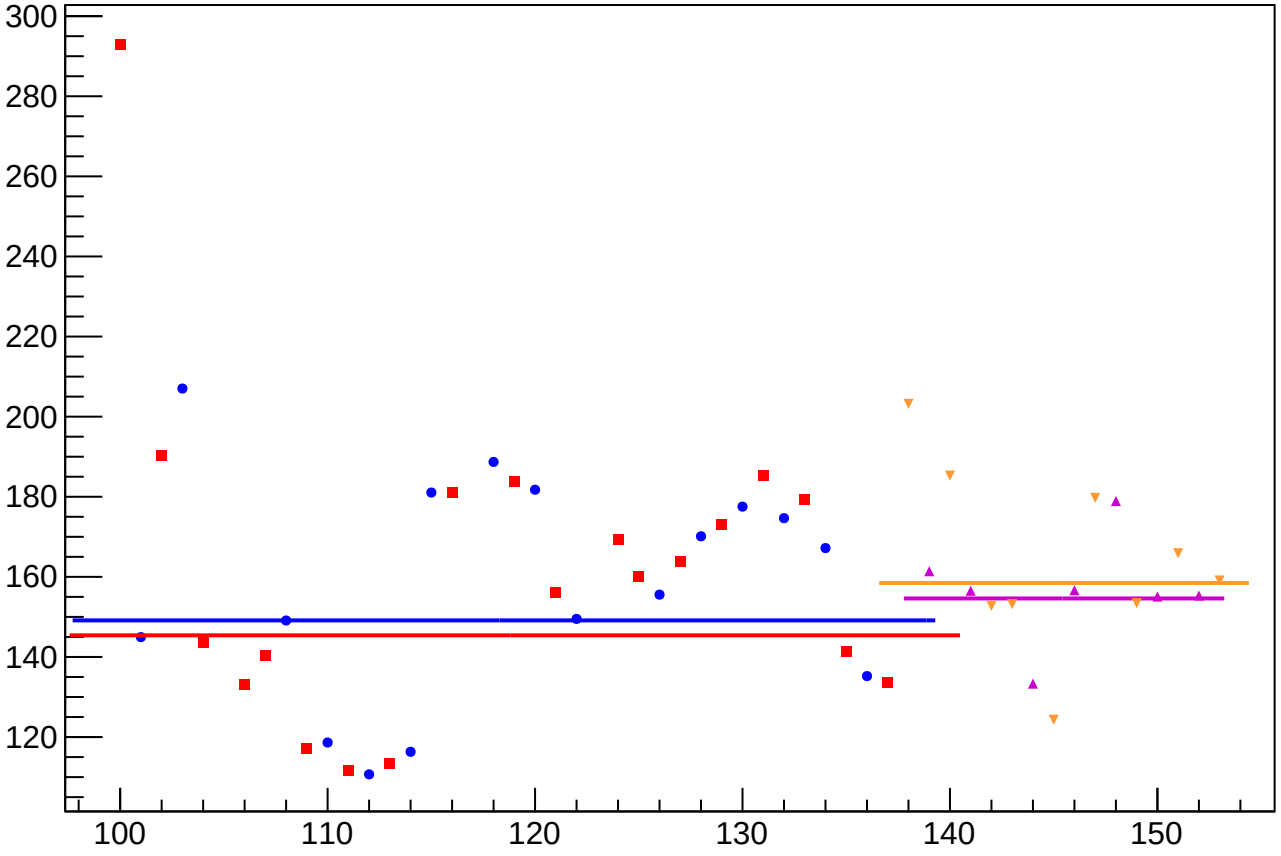
Left In: -95.978+/-63.235 χ^2/NDF:4.1/6

+ sign -29.847+/-41.470 χ^2/NDF: 19.0/24

All: -51.044+/-29.295 χ^2/NDF: 43.4/50

- sign -72.157+/-41.388 χ^2/NDF: 23.8/25

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.468+/-0.043 χ^2/NDF:258815.9/8

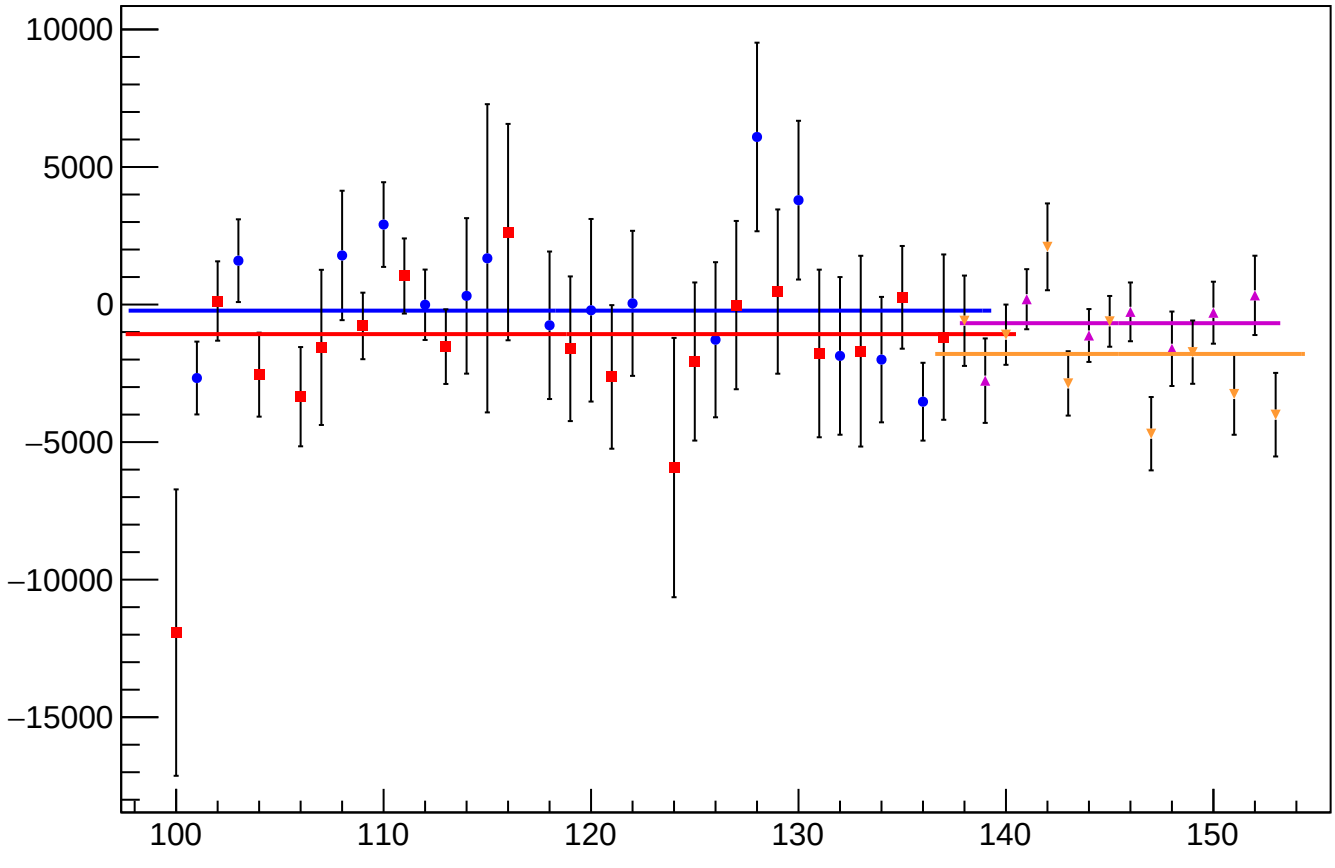
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 154.611+/-0.045 χ^2/NDF:78563.2/6

+ sign 153.479+/-0.029 χ^2/NDF: 735050.7/24

All: 151.408+/-0.021 χ^2/NDF: 1373649.8/50

- sign 149.345+/-0.029 χ^2/NDF: 628644.8/25



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1795.195+/-418.179 χ^2/NDF:17.3/8

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

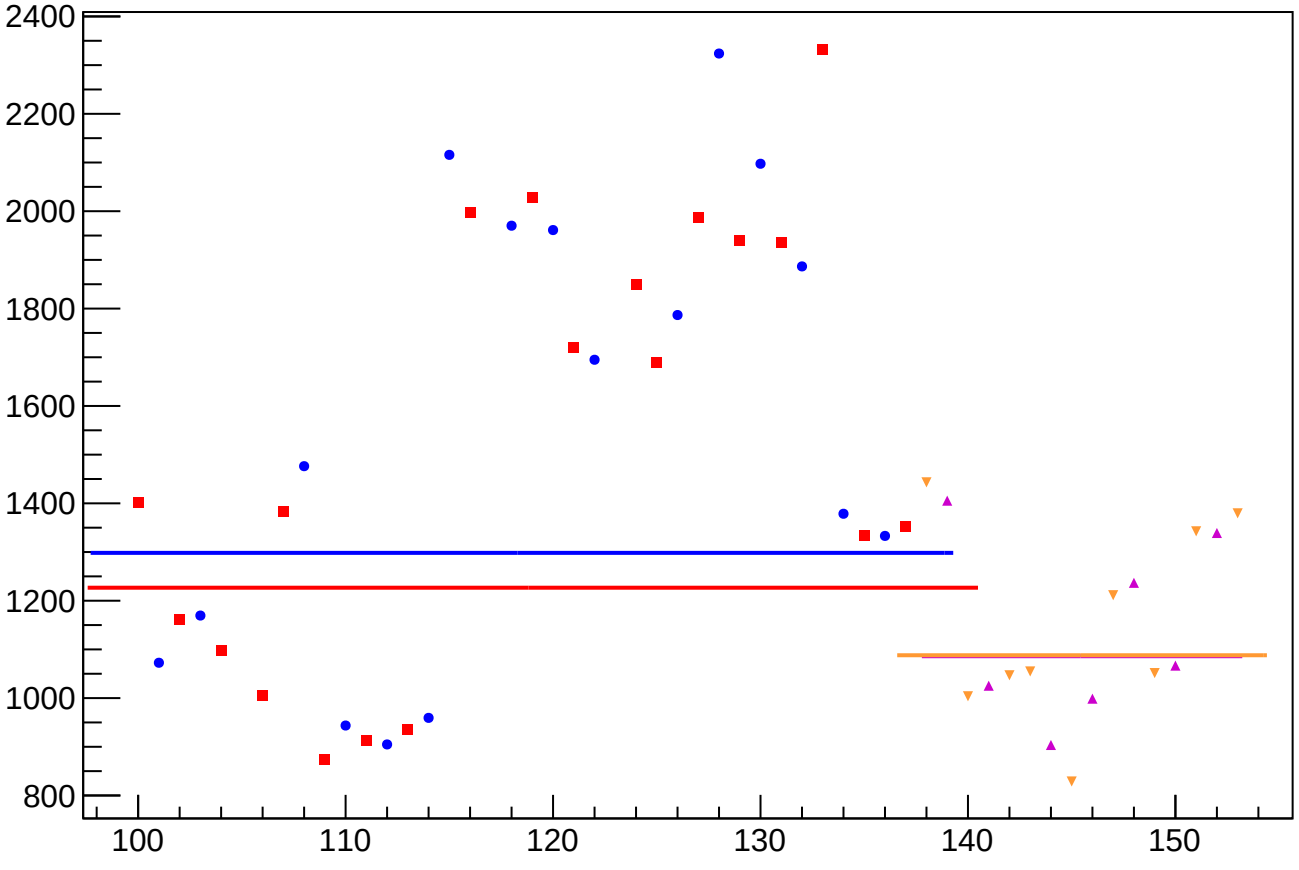
Left In: -677.258+/-445.557 χ^2/NDF:3.9/6

+ sign -1156.746+/-322.396 χ^2/NDF: 44.9/24

All: -1011.252+/-228.626 χ^2/NDF: 63.3/50

- sign -864.066+/-324.265 χ^2/NDF: 17.9/25

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1088.002+/-0.296 χ^2/NDF:418007.2/8

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

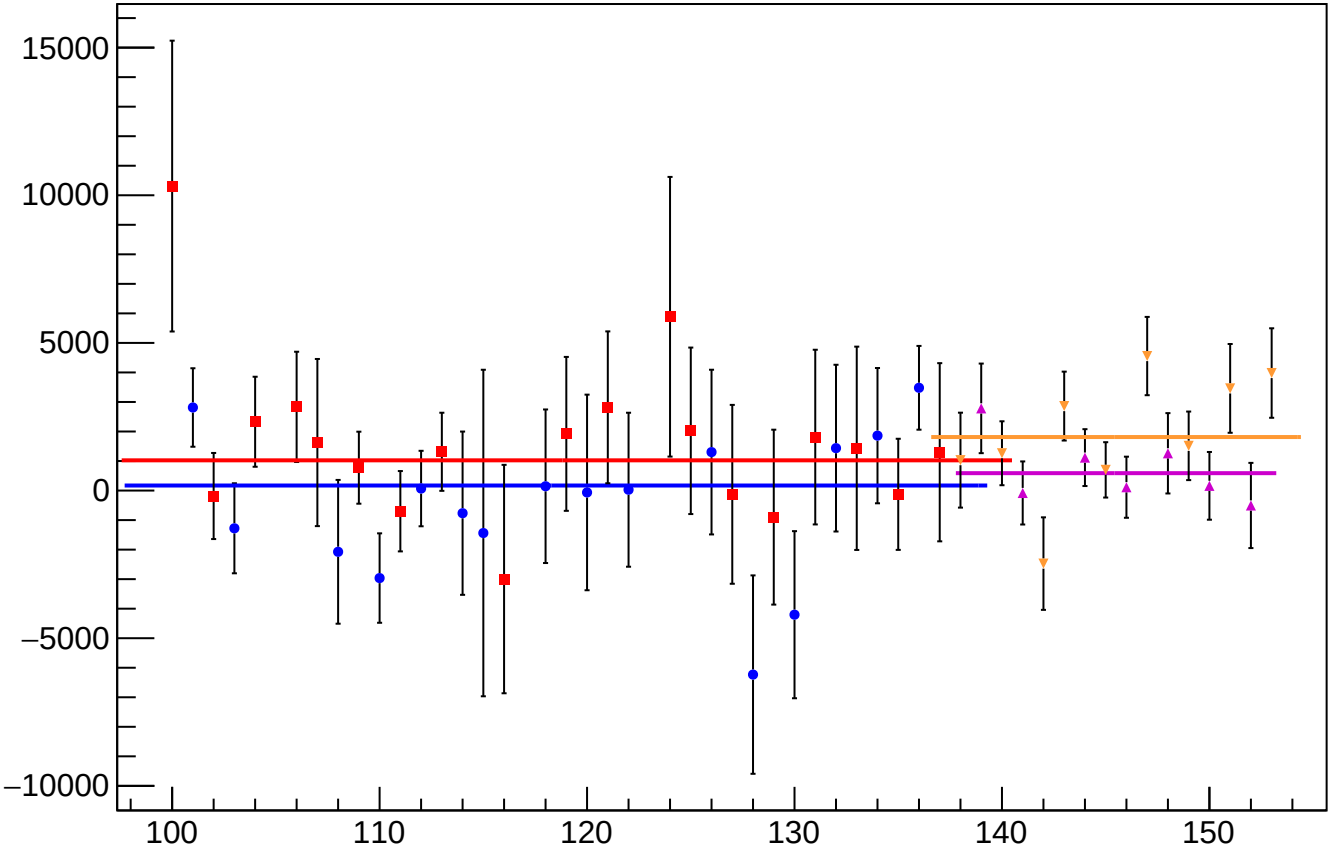
Left In: 1086.003+/-0.315 χ^2/NDF:265091.6/6

+ sign 1173.303+/-0.228 χ^2/NDF: 1805284.9/24

All: 1162.808+/-0.162 χ^2/NDF: 3573001.8/50

- sign 1152.192+/-0.229 χ^2/NDF: 1763453.8/25

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1812.356+/-418.462 χ^2/NDF:17.8/8

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

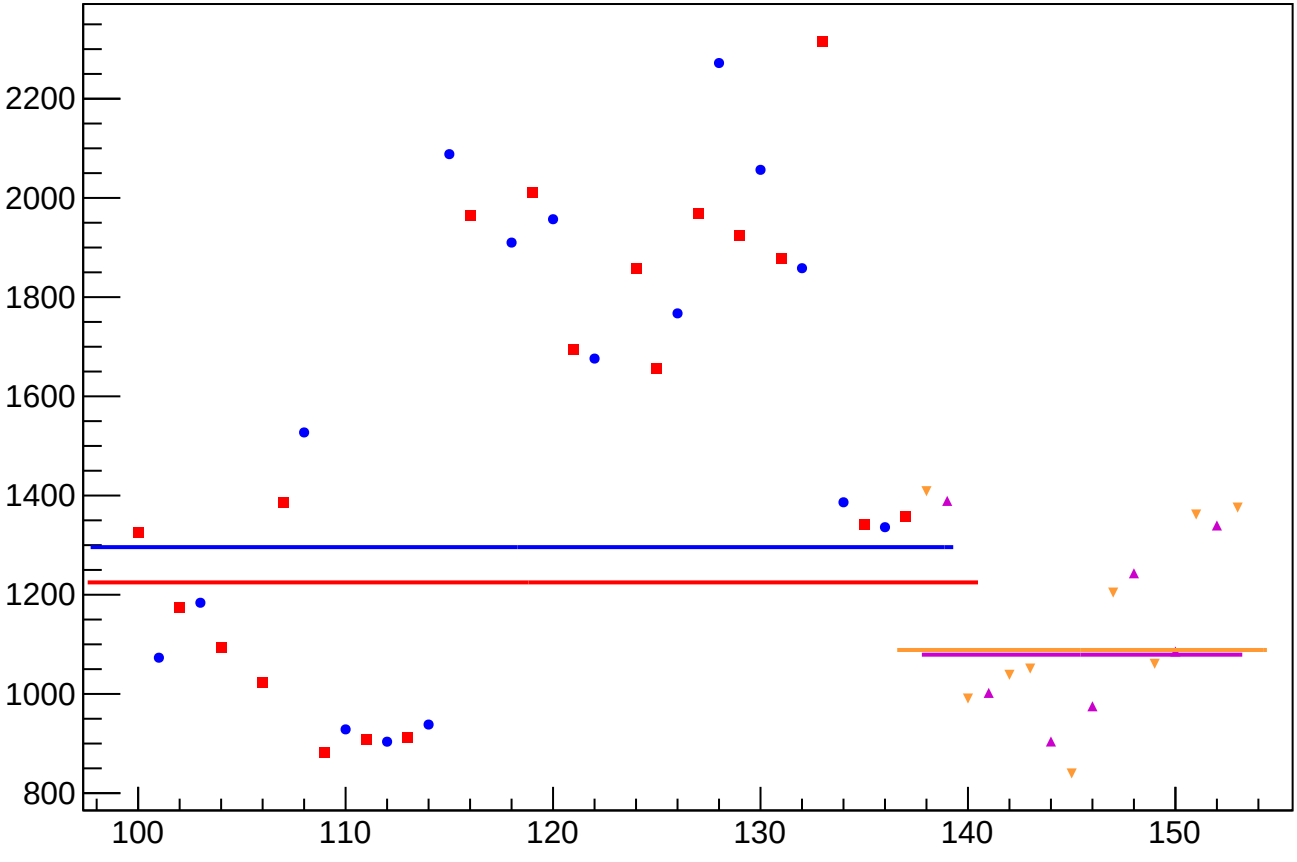
Left In: 589.346+/-442.570 χ^2/NDF:4.0/6

+ sign 1144.387+/-322.250 χ^2/NDF: 46.6/24

All: 968.799+/-228.077 χ^2/NDF: 63.2/50

- sign 792.556+/-322.850 χ^2/NDF: 16.0/25

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1088.617+/-0.296 χ^2/NDF:395115.3/8

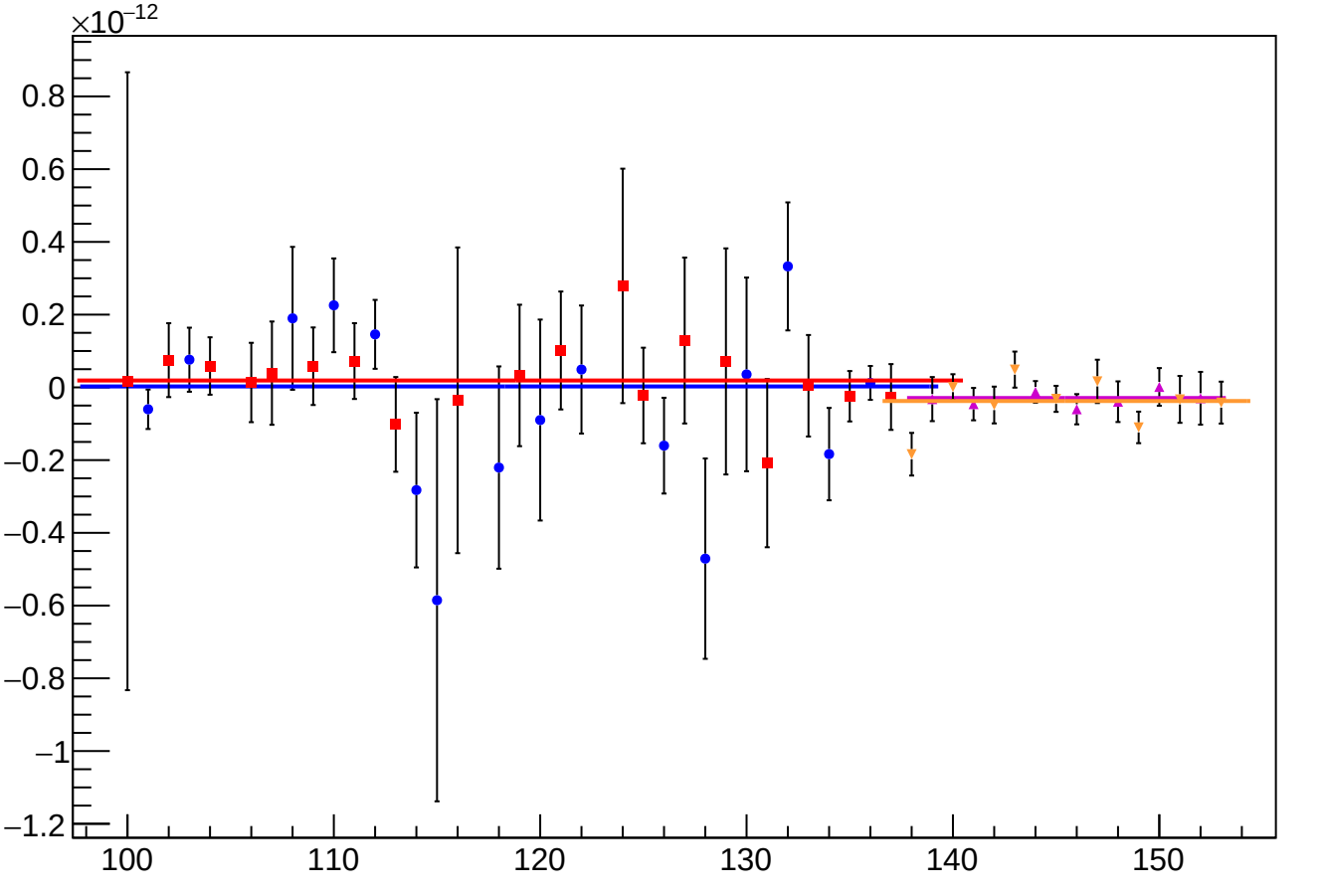
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1079.176+/-0.313 χ^2/NDF:274657.3/6

+ sign 1173.011+/-0.228 χ^2/NDF: 1749185.7/24

All: 1160.199+/-0.161 χ^2/NDF: 3502868.1/50

- sign 1147.339+/-0.228 χ^2/NDF: 1747347.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/8

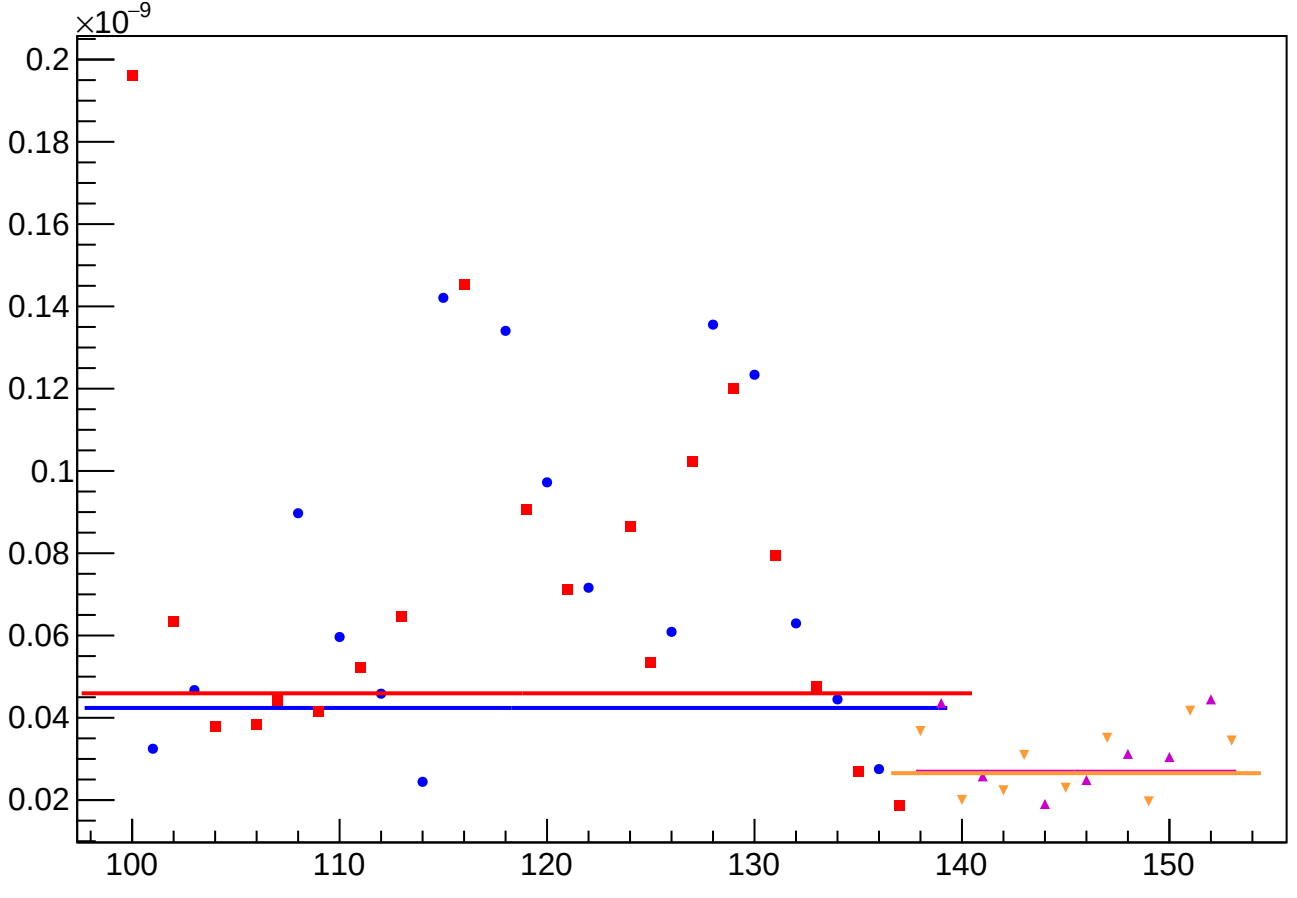
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 38.0/24

All: -0.000+/-0.000 χ^2/NDF: 46.4/50

- sign -0.000+/-0.000 χ^2/NDF: 8.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:418458.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

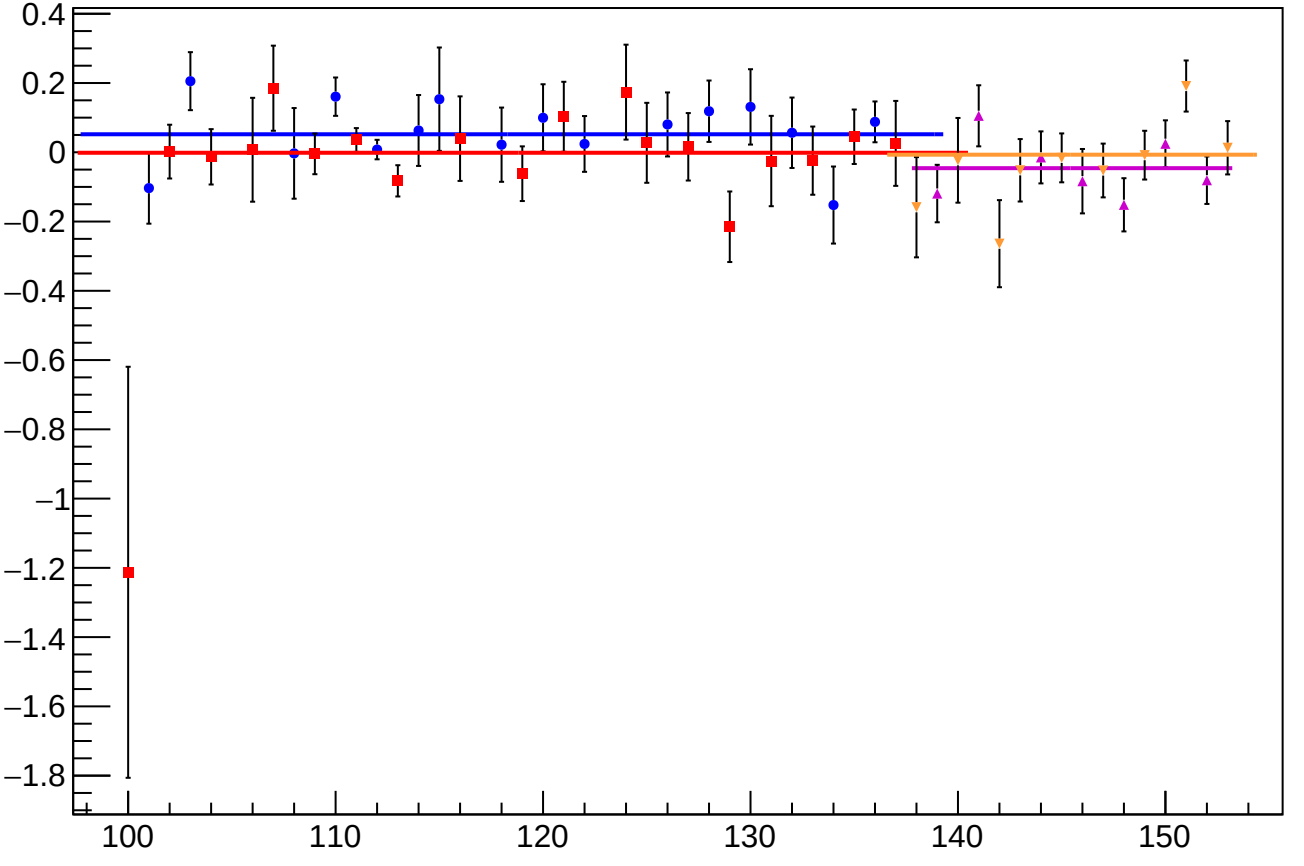
Left In: 0.000+/-0.000 χ^2/NDF:435489.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 2278895.5/24

All: 0.000+/-0.000 χ^2/NDF: 4483028.1/50

- sign 0.000+/-0.000 χ^2/NDF: 2195862.2/25

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.029 χ^2/NDF:13.2/8

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

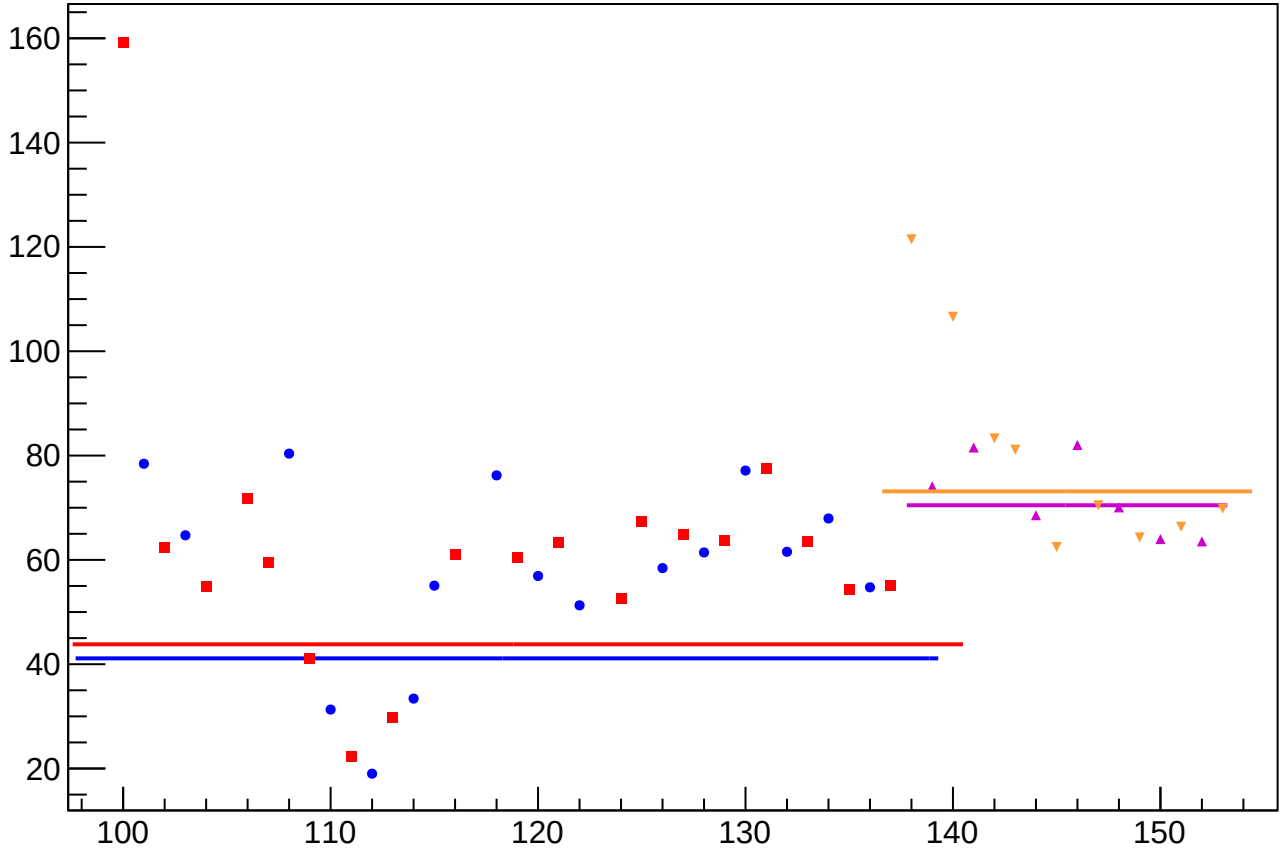
Left In: -0.046+/-0.029 χ^2/NDF:7.3/6

+ sign 0.036+/-0.015 χ^2/NDF: 34.2/24

All: 0.011+/-0.011 χ^2/NDF: 67.7/50

- sign -0.014+/-0.015 χ^2/NDF: 28.2/25

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 73.134+/-0.020 χ^2/NDF:501561.0/8

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

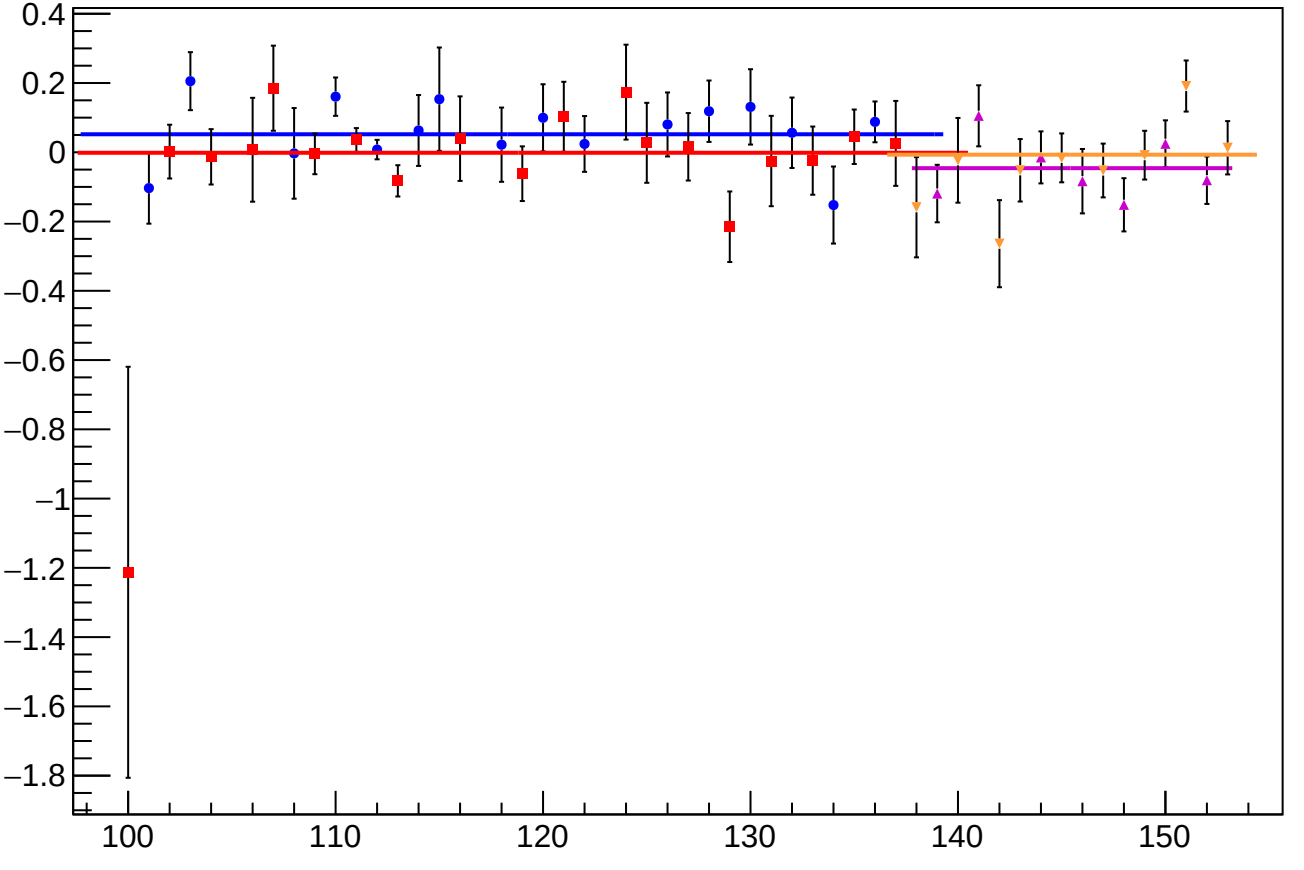
Left In: 70.473+/-0.021 χ^2/NDF:106423.7/6

+ sign 50.034+/-0.011 χ^2/NDF: 5233864.7/24

All: 50.553+/-0.008 χ^2/NDF: 8599945.1/50

- sign 51.086+/-0.011 χ^2/NDF: 3361290.6/25

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.029 χ^2/NDF:13.2/8

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

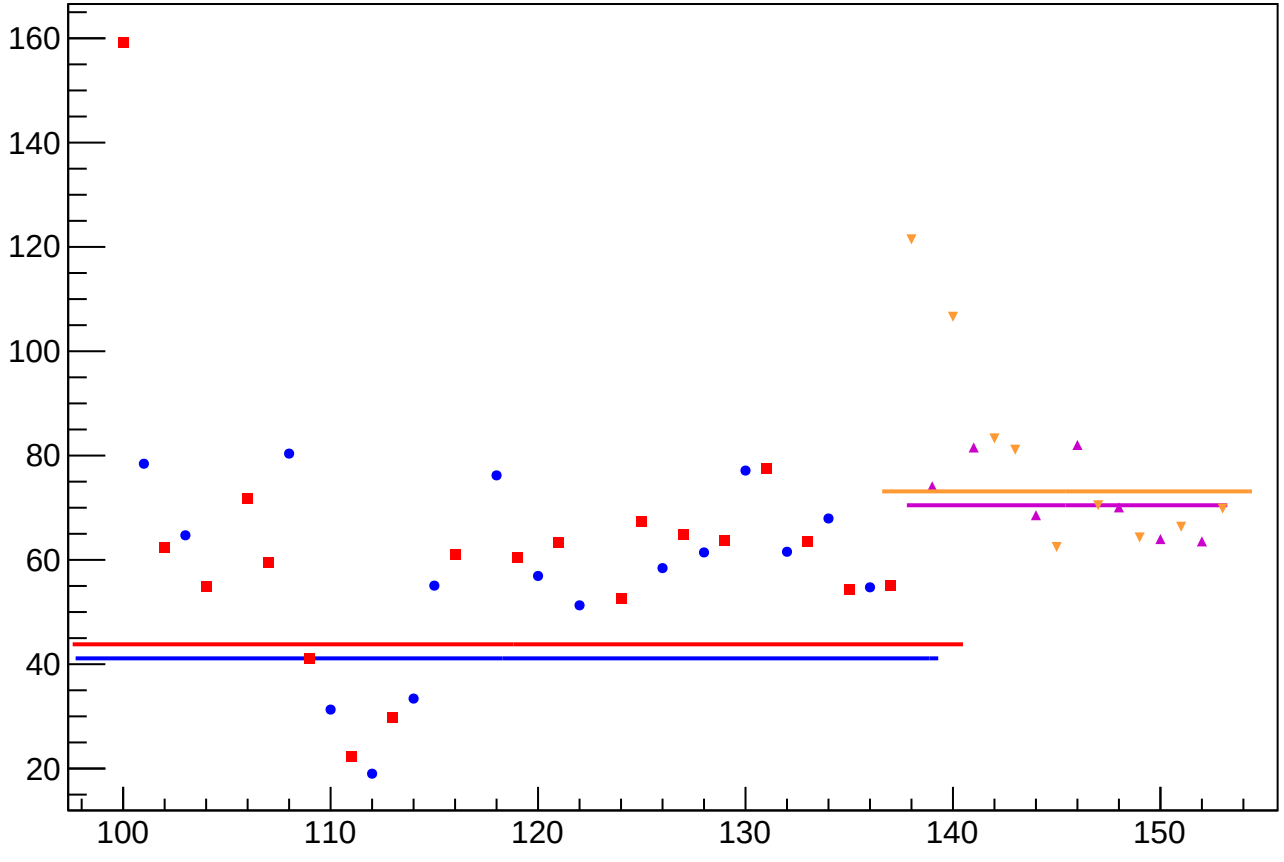
Left In: -0.046+/-0.029 χ^2/NDF:7.3/6

+ sign 0.036+/-0.015 χ^2/NDF: 34.2/24

All: 0.011+/-0.011 χ^2/NDF: 67.7/50

- sign -0.014+/-0.015 χ^2/NDF: 28.2/25

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 73.134+/-0.020 χ^2/NDF:501561.0/8

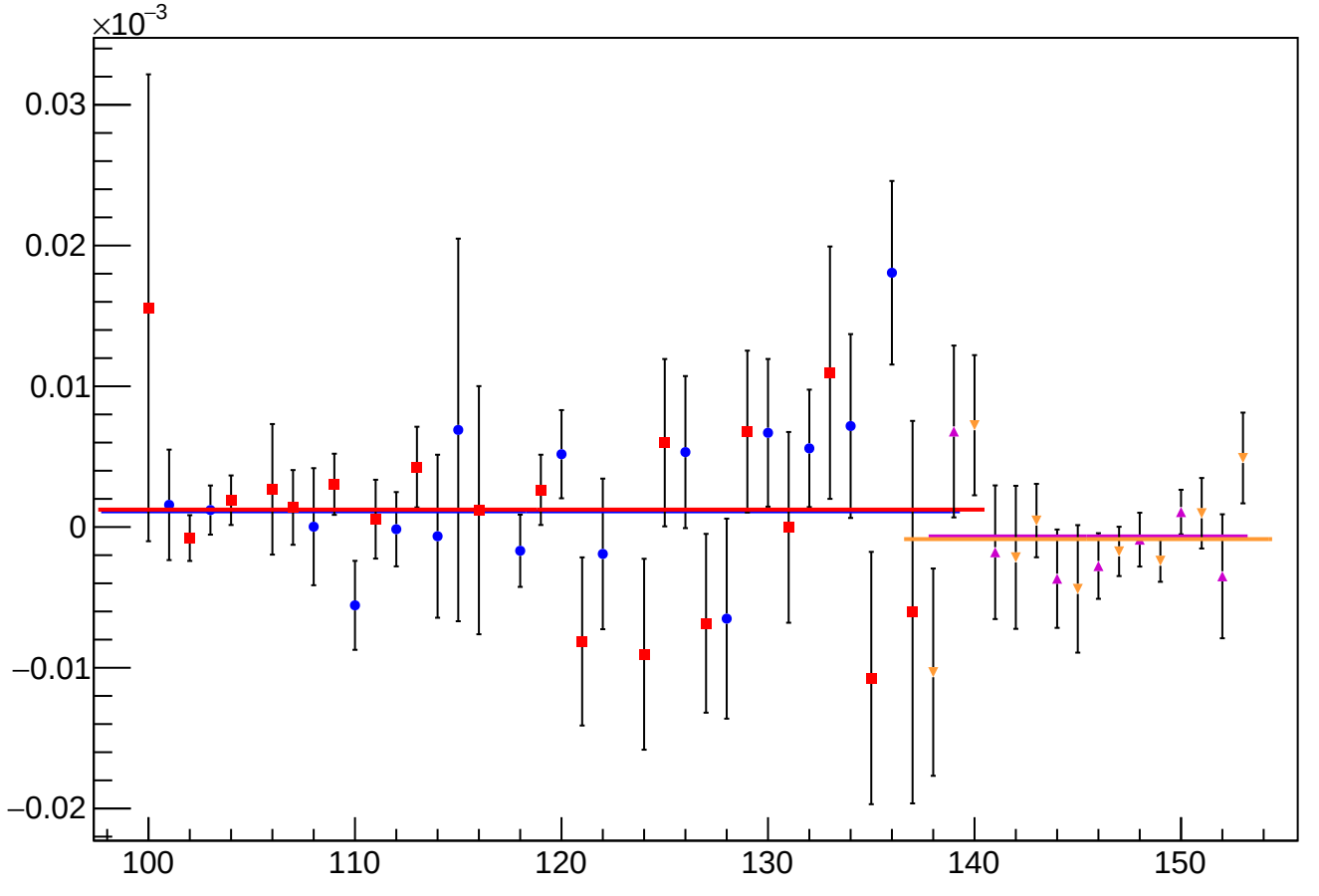
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.473+/-0.021 χ^2/NDF:106423.7/6

+ sign 50.034+/-0.011 χ^2/NDF: 5233864.7/24

All: 50.553+/-0.008 χ^2/NDF: 8599945.1/50

- sign 51.086+/-0.011 χ^2/NDF: 3361290.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/8

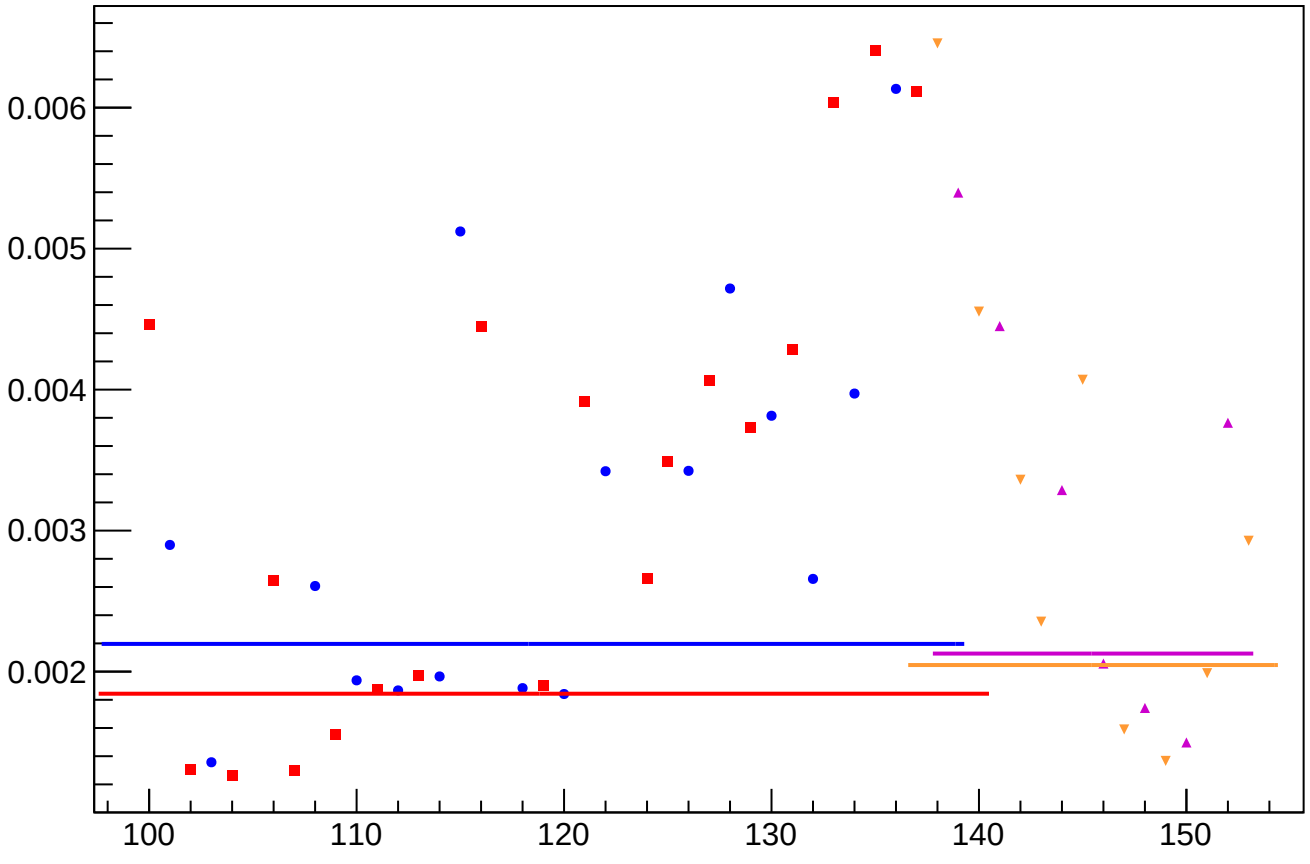
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 32.6/24

All: 0.000+/-0.000 χ^2/NDF: 55.9/50

- sign 0.000+/-0.000 χ^2/NDF: 23.0/25



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2484143.4/8

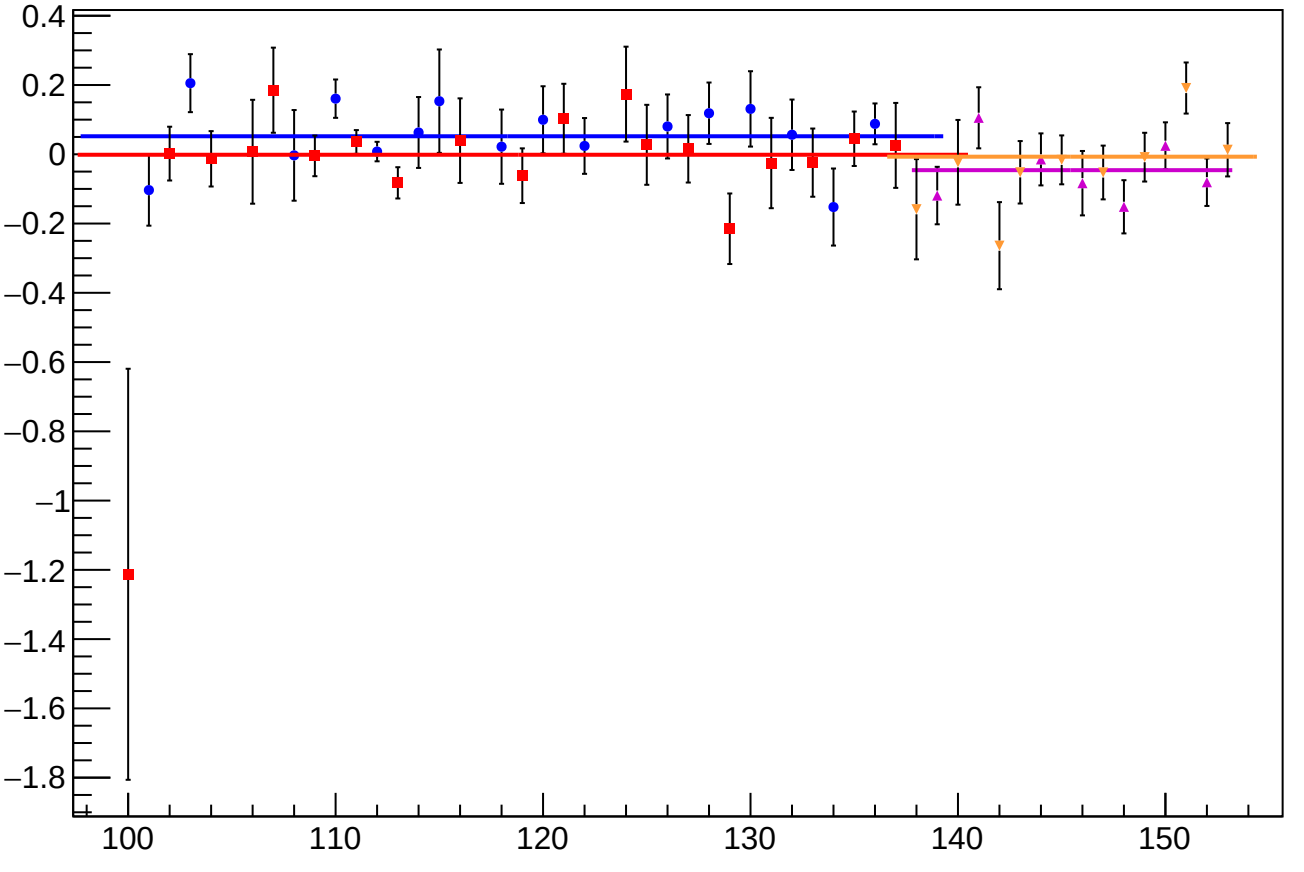
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1949350.9/6

+ sign 0.002+/-0.000 χ^2/NDF: 4805461.6/24

All: 0.002+/-0.000 χ^2/NDF: 10071878.9/50

- sign 0.002+/-0.000 χ^2/NDF: 5193210.2/25



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.029 χ^2/NDF:13.2/8

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

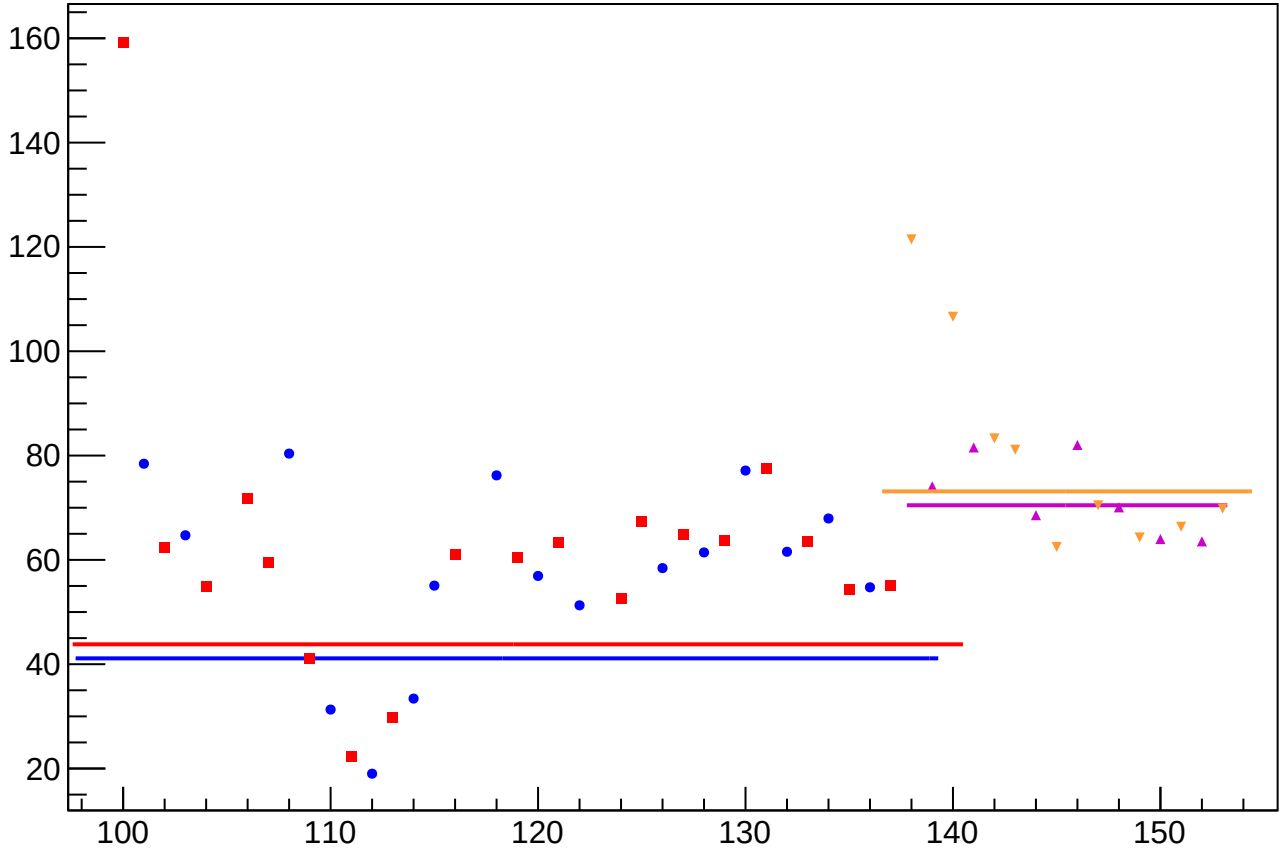
Left In: -0.046+/-0.029 χ^2/NDF:7.3/6

+ sign 0.036+/-0.015 χ^2/NDF: 34.2/24

All: 0.011+/-0.011 χ^2/NDF: 67.7/50

- sign -0.014+/-0.015 χ^2/NDF: 28.2/25

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 73.135+/-0.020 χ^2/NDF:501537.2/8

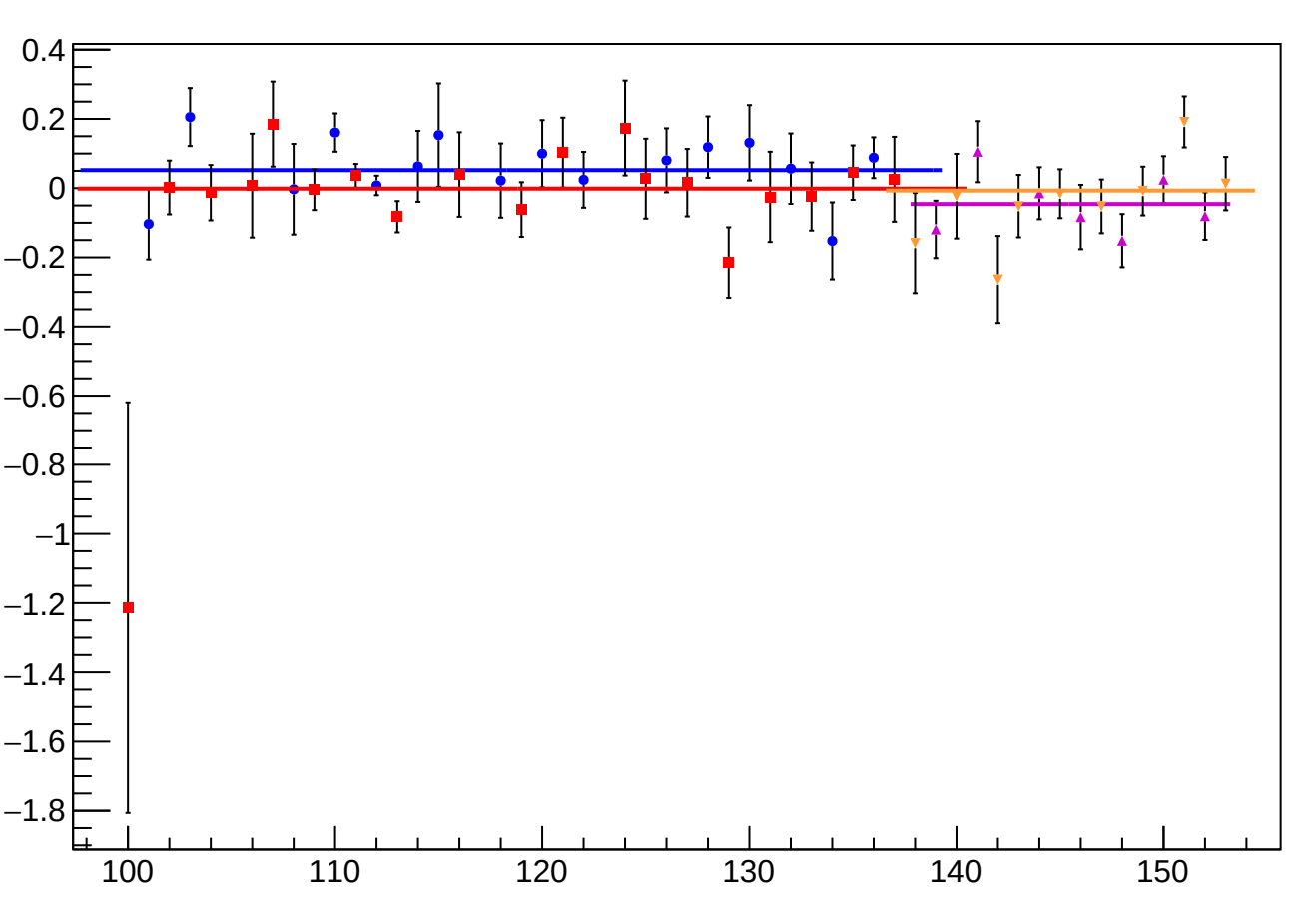
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.473+/-0.021 χ^2/NDF:106421.6/6

+ sign 50.033+/-0.011 χ^2/NDF: 5234188.8/24

All: 50.552+/-0.008 χ^2/NDF: 8600582.1/50

- sign 51.085+/-0.011 χ^2/NDF: 3361602.8/25



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.029 χ^2/NDF:13.2/8

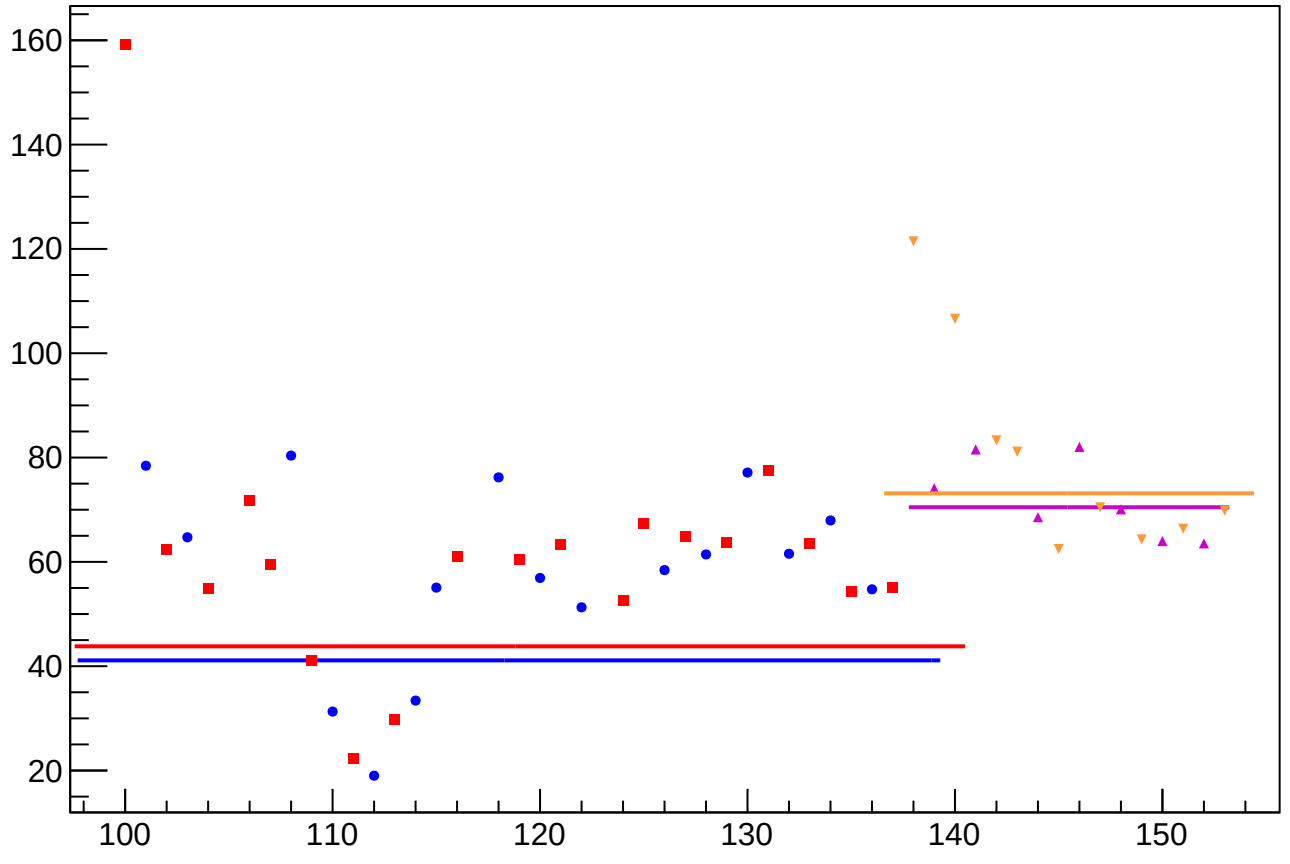
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.046+/-0.029 χ^2/NDF:7.3/6

+ sign 0.036+/-0.015 χ^2/NDF: 34.2/24

All: 0.011+/-0.011 χ^2/NDF: 67.7/50

- sign -0.014+/-0.015 χ^2/NDF: 28.2/25



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 73.135+/-0.020 χ^2/NDF:501537.2/8

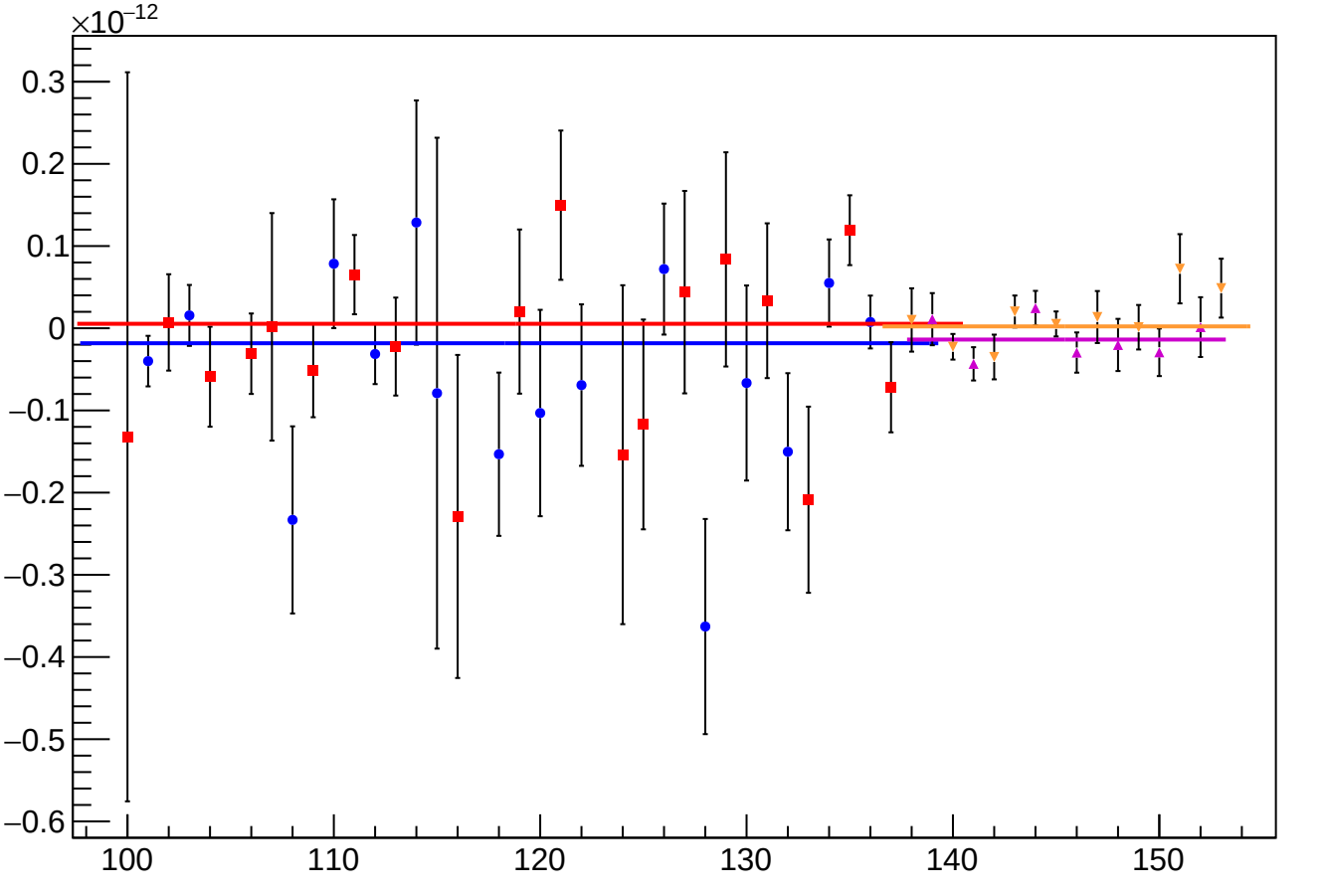
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.473+/-0.021 χ^2/NDF:106421.6/6

\+ sign 50.033+/-0.011 χ^2/NDF: 5234188.8/24

All: 50.552+/-0.008 χ^2/NDF: 8600582.1/50

\- sign 51.085+/-0.011 χ^2/NDF: 3361602.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/8

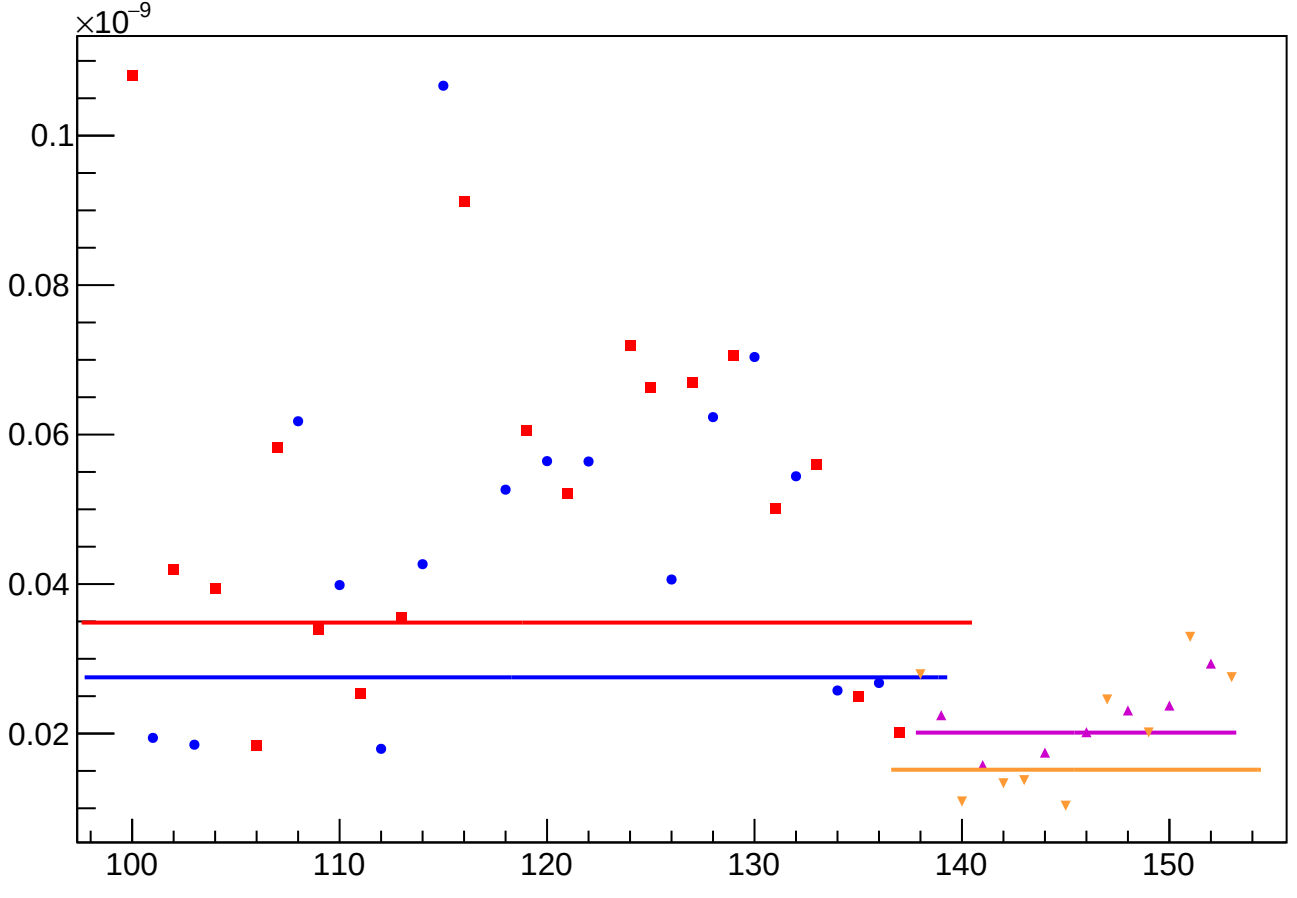
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/24

All: -0.000+/-0.000 χ^2/NDF: 66.1/50

- sign -0.000+/-0.000 χ^2/NDF: 31.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1427670.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

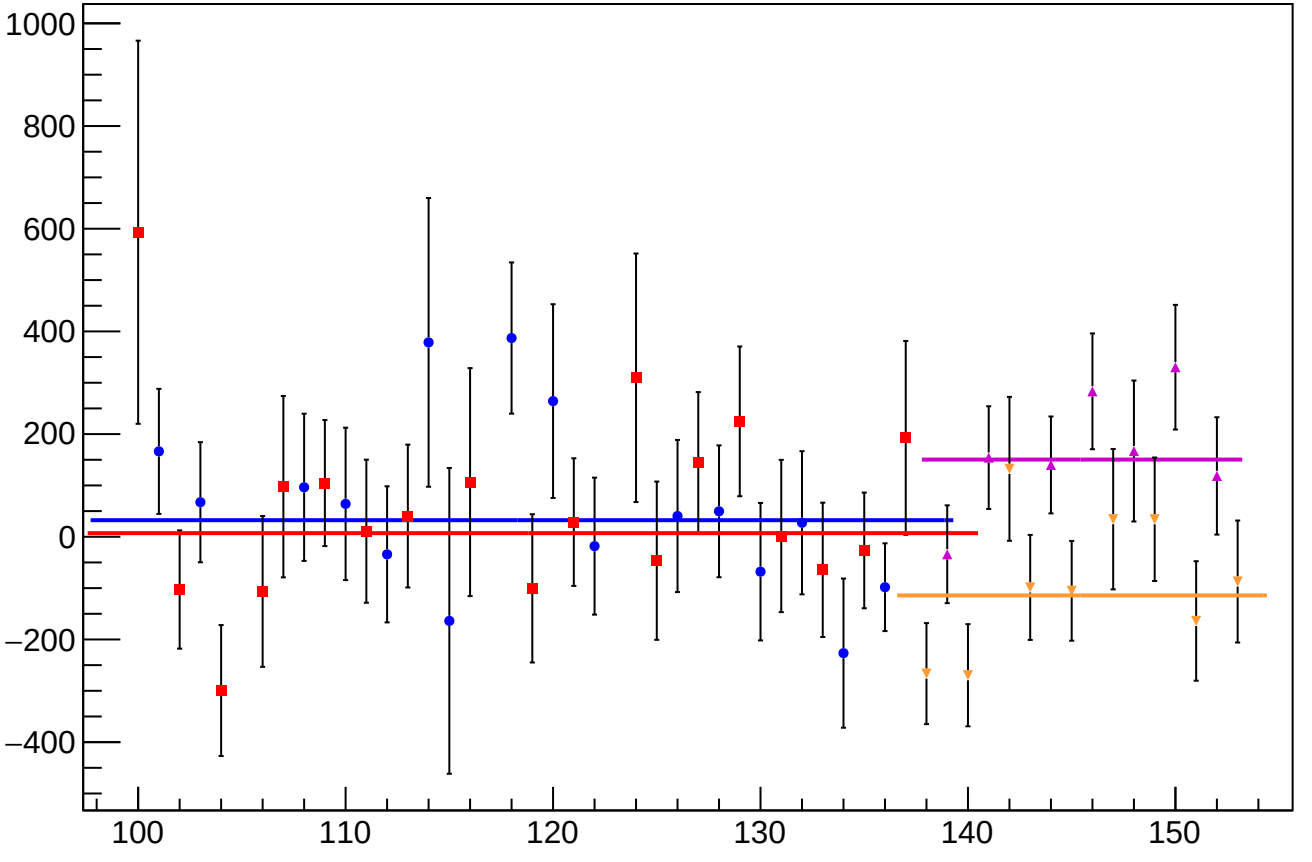
Left In: 0.000+/-0.000 χ^2/NDF:313238.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 4371265.4/24

All: 0.000+/-0.000 χ^2/NDF: 8127392.2/50

- sign 0.000+/-0.000 χ^2/NDF: 3144462.3/25

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -114.215+/-37.160 χ^2/NDF:10.9/8

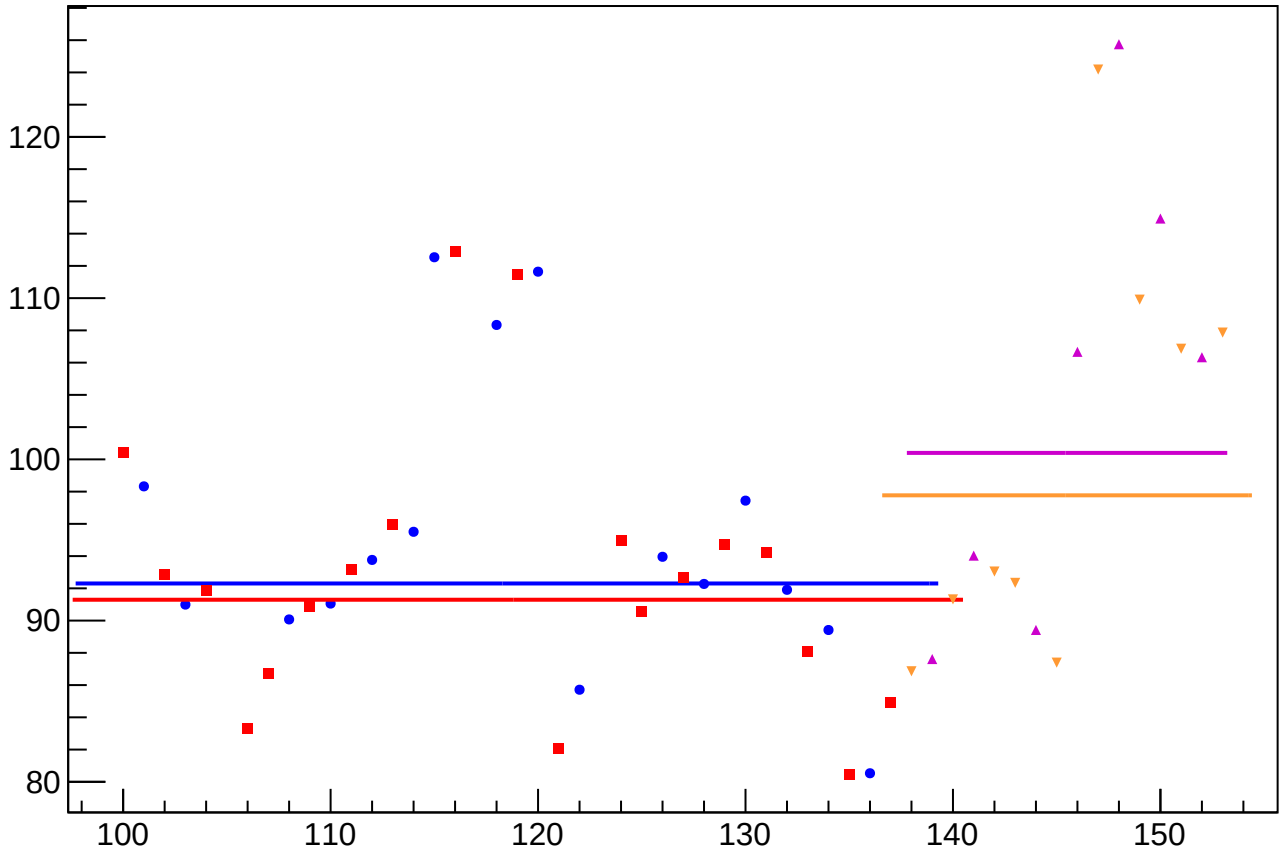
Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: 150.357+/-40.871 χ^2/NDF:7.4/6

+ sign -35.377+/-25.255 χ^2/NDF: 36.6/24

All: 13.351+/-18.072 χ^2/NDF: 76.8/50

- sign 64.486+/-25.872 χ^2/NDF: 32.6/25



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 97.770+/-0.026 χ^2/NDF:185448.3/8

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

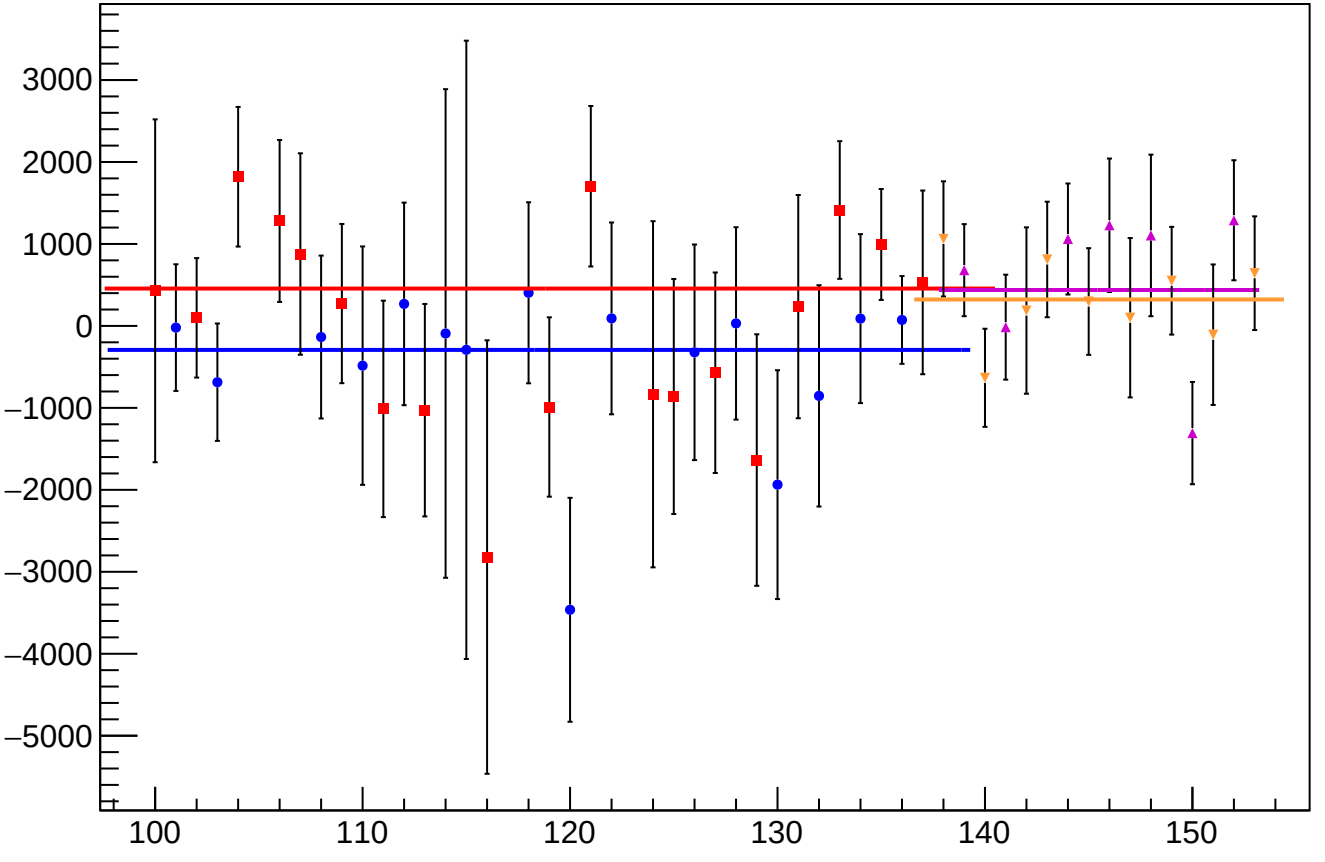
Left In: 100.401+/-0.029 χ^2/NDF:179695.2/6

+ sign 94.828+/-0.018 χ^2/NDF: 315810.7/24

All: 94.884+/-0.013 χ^2/NDF: 660137.8/50

- sign 94.943+/-0.018 χ^2/NDF: 344306.8/25

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 322.458+/-242.714 χ^2/NDF:4.8/8

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

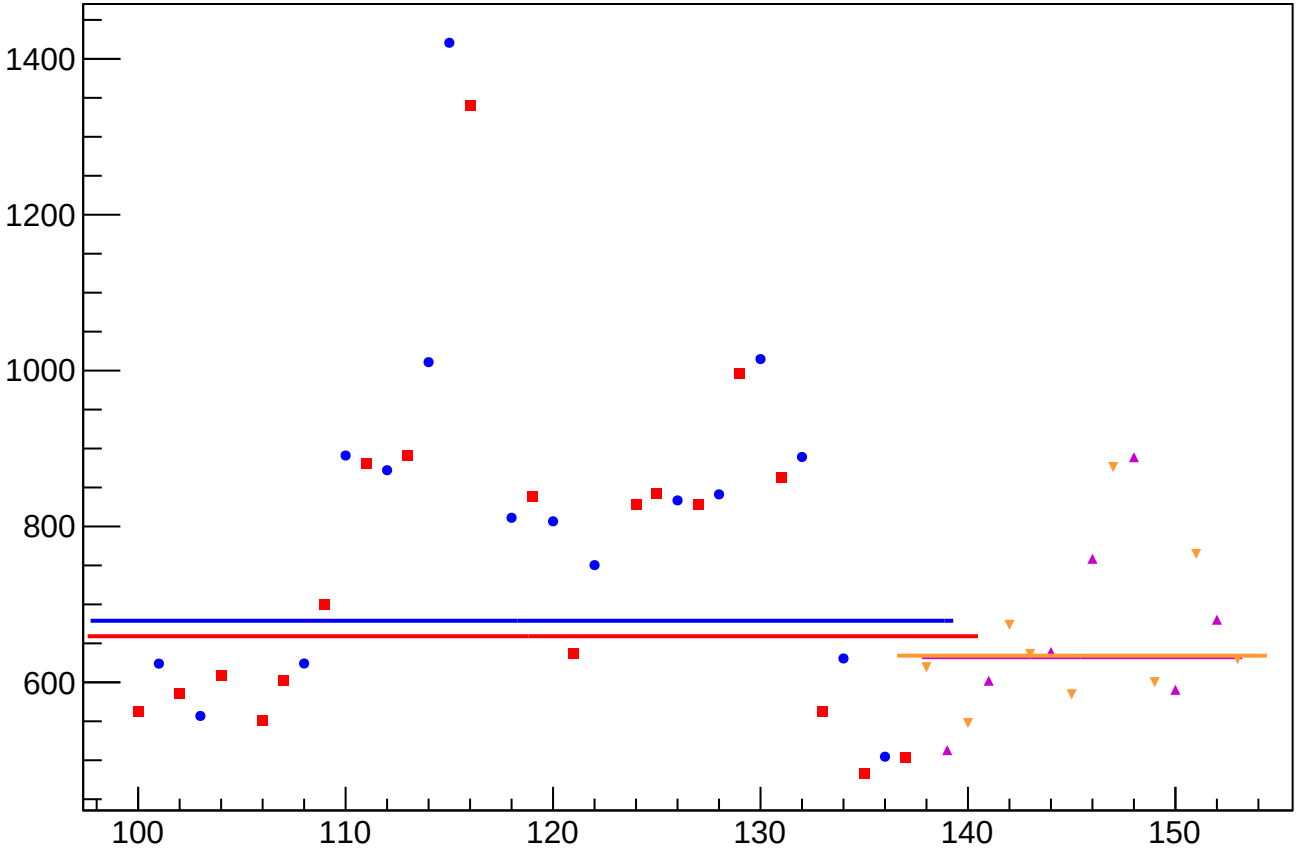
Left In: 438.235+/-260.254 χ^2/NDF:12.1/6

+ sign 35.618+/-177.323 χ^2/NDF: 16.6/24

All: 238.658+/-126.256 χ^2/NDF: 48.2/50

- sign 447.431+/-179.810 χ^2/NDF: 29.0/25

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 634.210+/-0.172 χ^2/NDF:233008.6/8

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

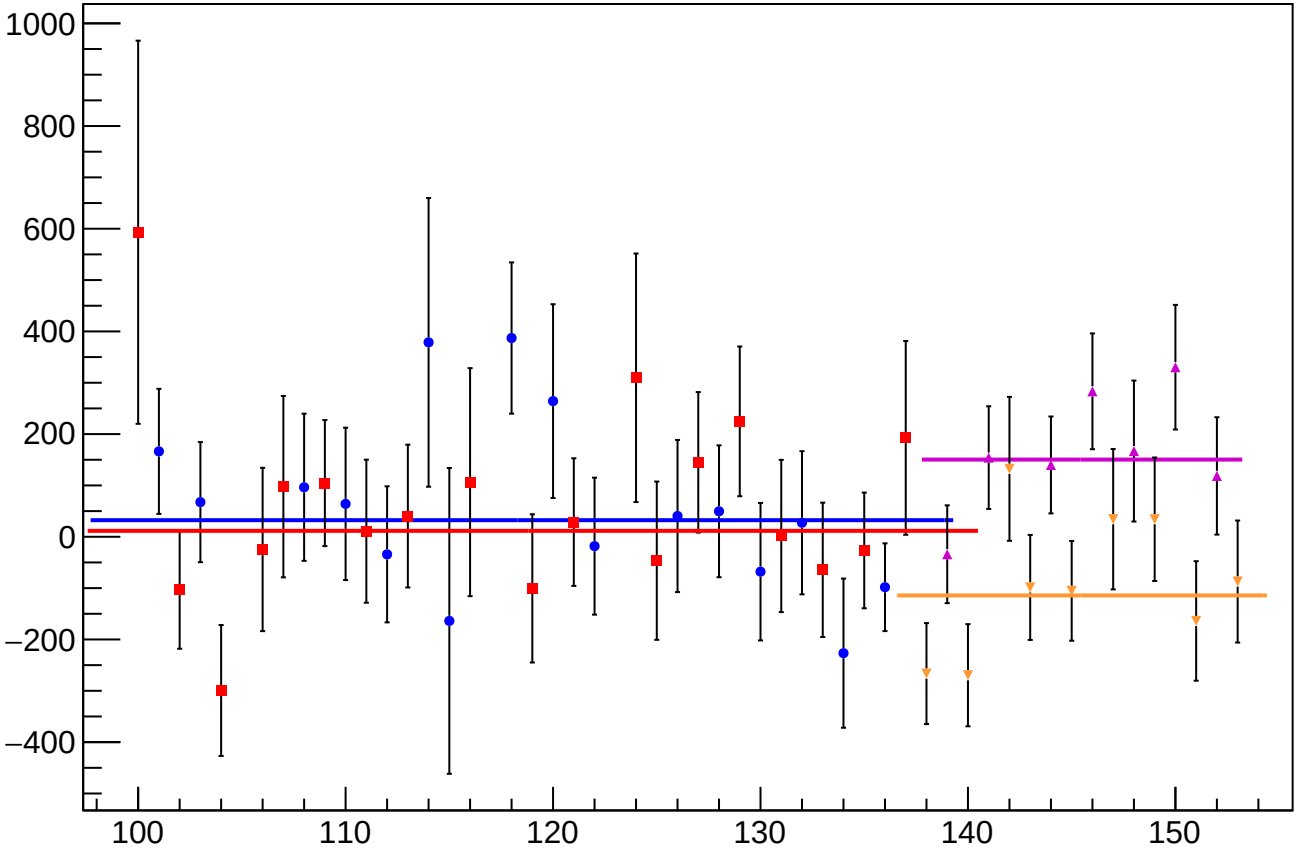
Left In: 632.284+/-0.184 χ^2/NDF:296261.8/6

+ sign 655.095+/-0.125 χ^2/NDF: 1032750.9/24

All: 650.767+/-0.089 χ^2/NDF: 2138432.1/50

- sign 646.317+/-0.127 χ^2/NDF: 1103264.9/25

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -114.217+/-37.160 χ^2/NDF:10.9/8

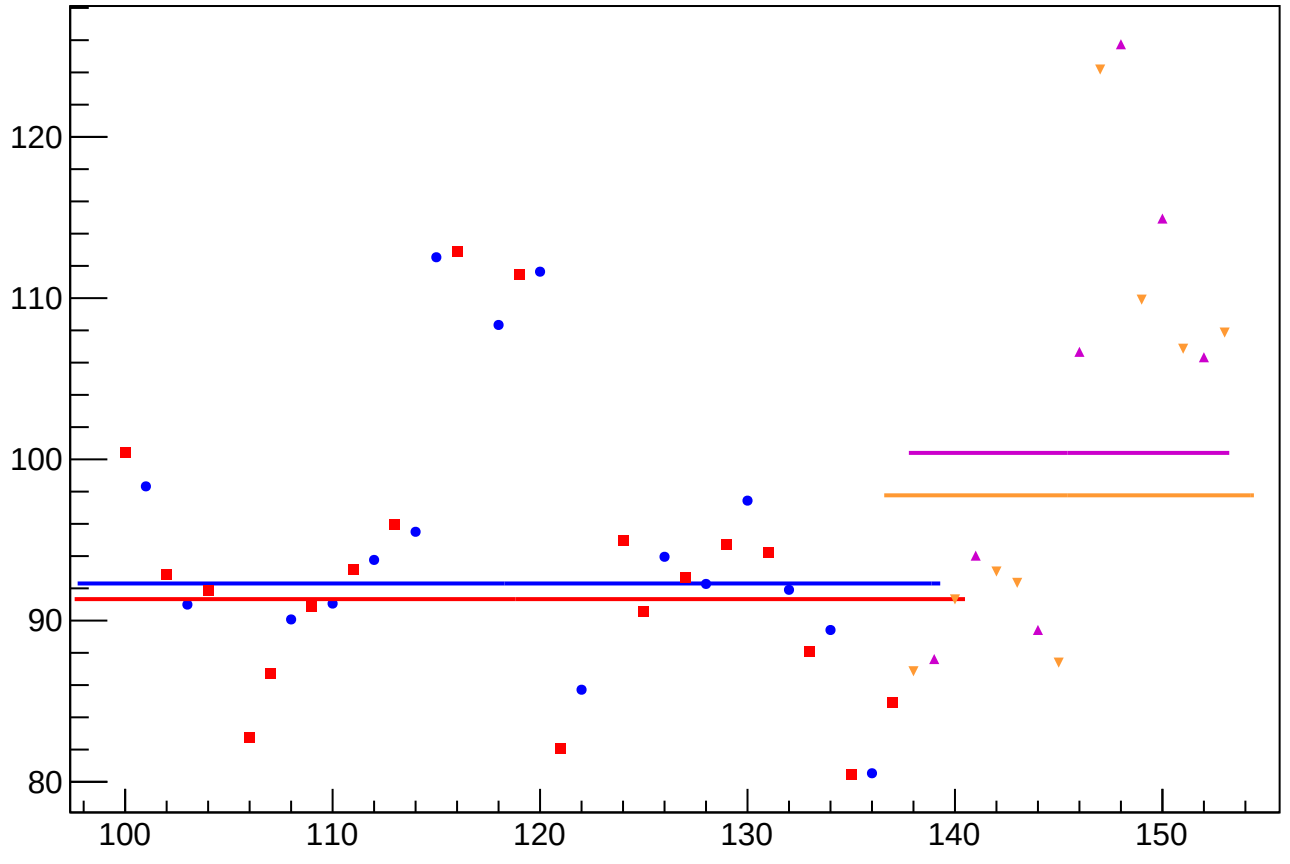
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 150.357+/-40.871 χ^2/NDF:7.4/6

+ sign -35.370+/-25.255 χ^2/NDF: 36.6/24

All: 14.679+/-18.092 χ^2/NDF: 76.2/50

- sign 67.443+/-25.931 χ^2/NDF: 31.5/25



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 97.770+/-0.026 χ^2/NDF:185448.3/8

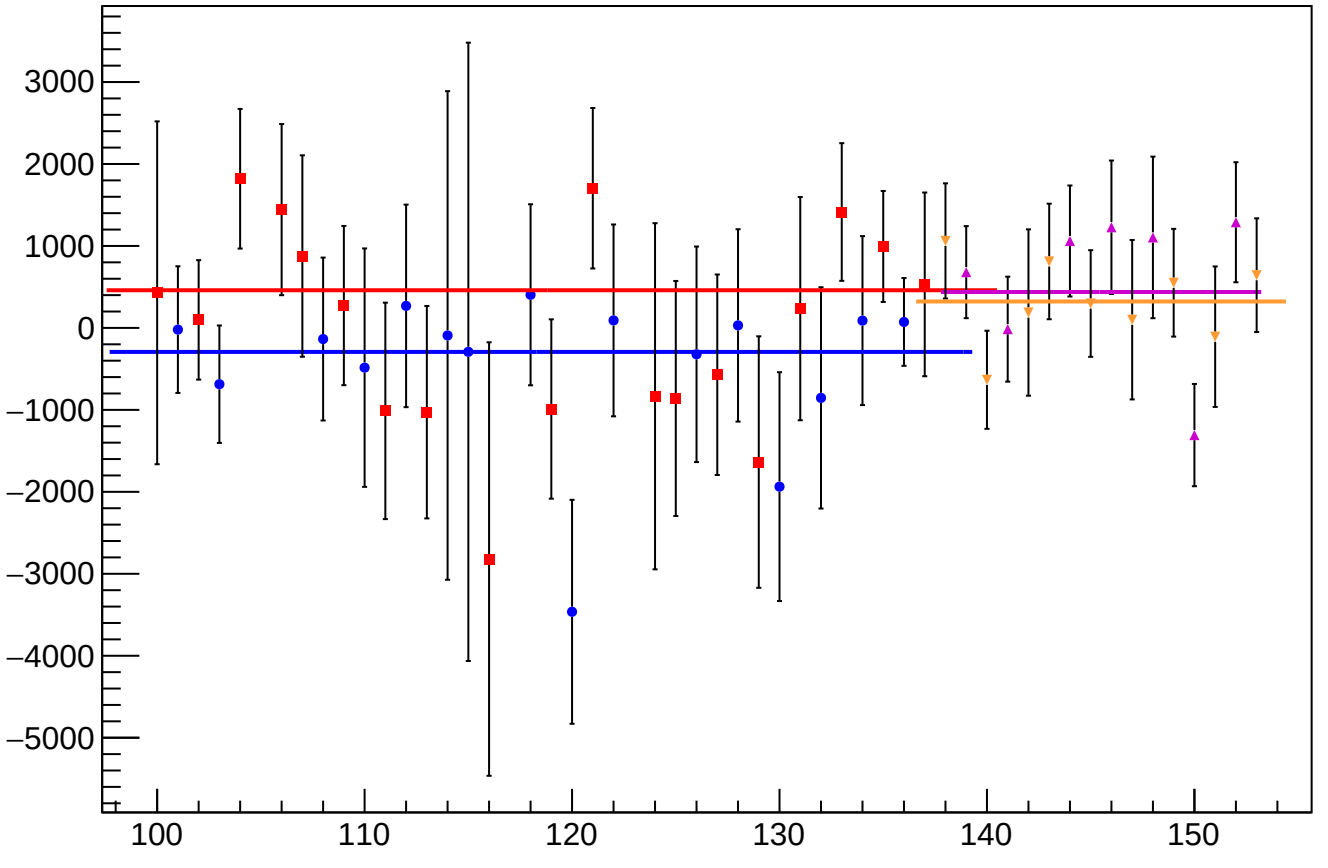
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 100.401+/-0.029 χ^2/NDF:179695.2/6

+ sign 94.828+/-0.018 χ^2/NDF: 315810.7/24

All: 94.903+/-0.013 χ^2/NDF: 659294.2/50

- sign 94.983+/-0.018 χ^2/NDF: 343446.8/25



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 322.455+/-242.714 χ^2/NDF:4.8/8

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

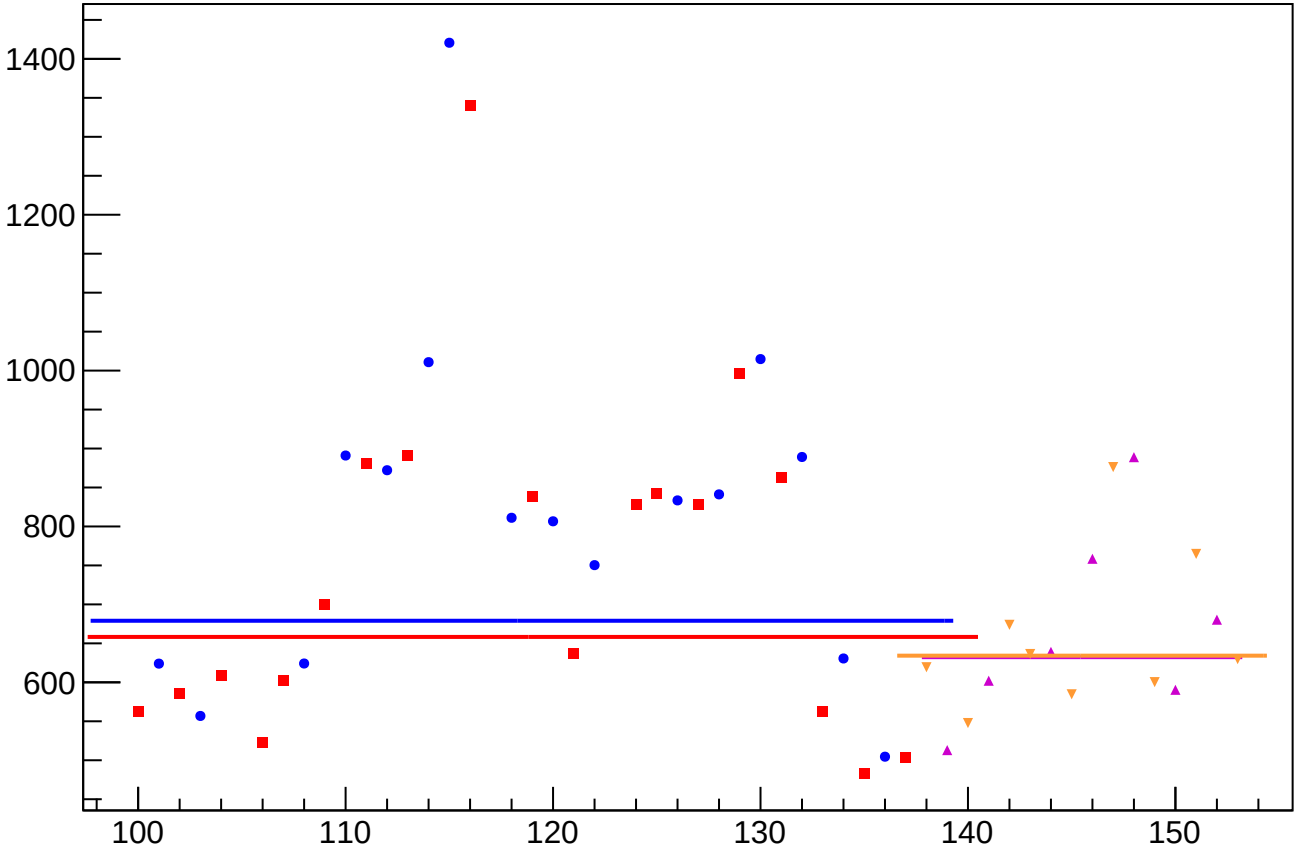
Left In: 438.231+/-260.254 χ^2/NDF:12.1/6

+ sign 35.617+/-177.323 χ^2/NDF: 16.6/24

All: 239.251+/-126.364 χ^2/NDF: 48.4/50

- sign 449.362+/-180.121 χ^2/NDF: 29.2/25

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 634.211+/-0.172 χ^2/NDF:233008.9/8

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

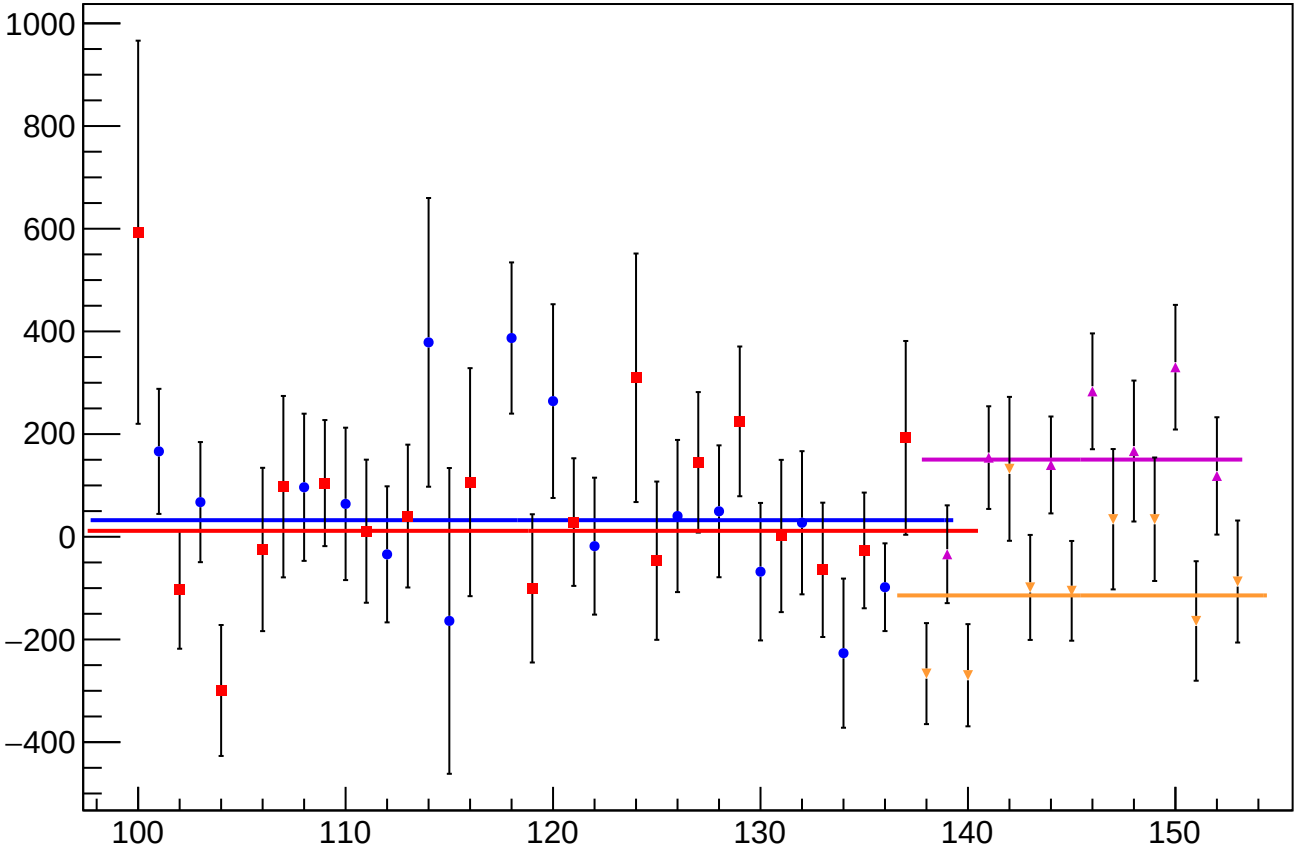
Left In: 632.284+/-0.184 χ^2/NDF:296261.7/6

+ sign 655.095+/-0.125 χ^2/NDF: 1032752.7/24

All: 650.529+/-0.089 χ^2/NDF: 2147987.7/50

- sign 645.819+/-0.127 χ^2/NDF: 1112541.4/25

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -114.217+/-37.160 χ^2/NDF:10.9/8

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

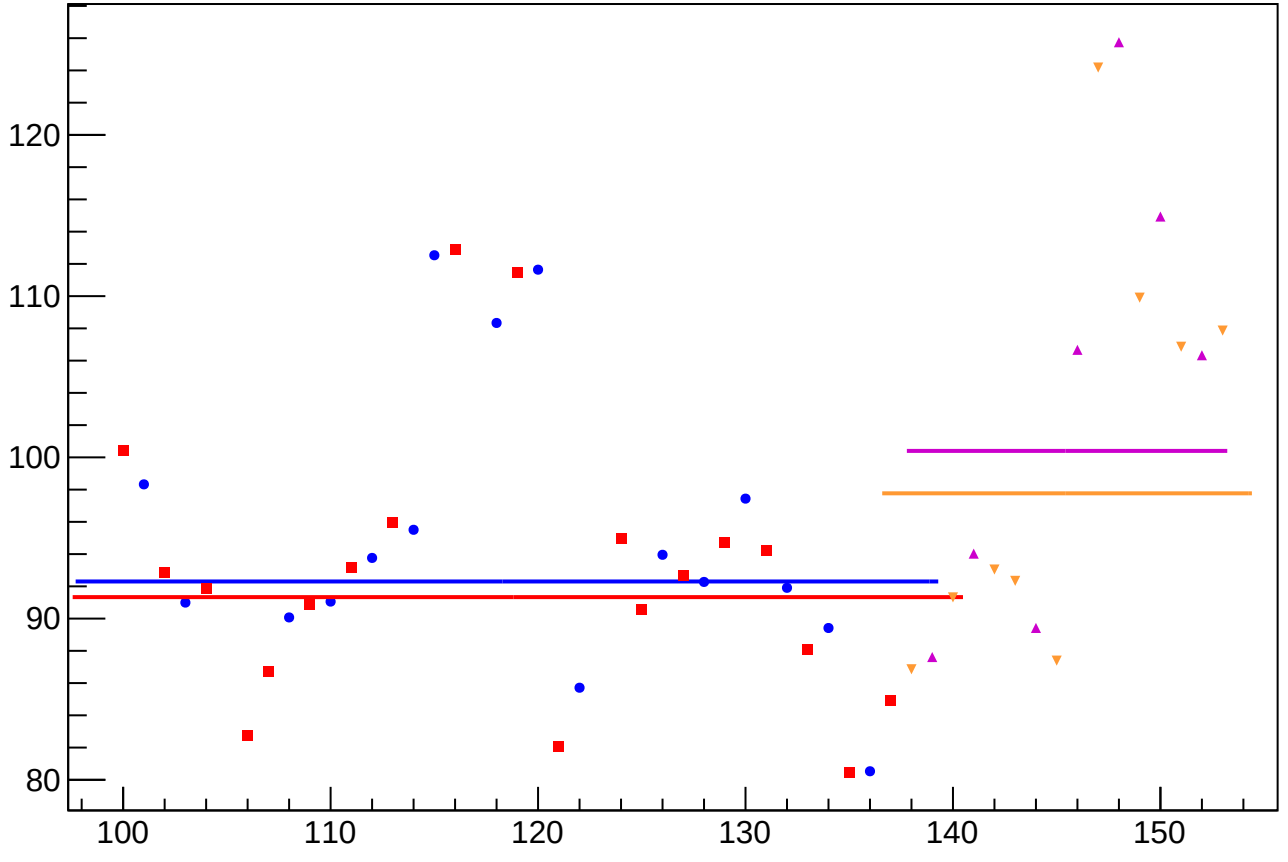
Left In: 150.357+/-40.871 χ^2/NDF:7.4/6

+ sign -35.370+/-25.255 χ^2/NDF: 36.6/24

All: 14.679+/-18.092 χ^2/NDF: 76.2/50

- sign 67.443+/-25.931 χ^2/NDF: 31.5/25

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 97.770+/-0.026 χ^2/NDF:185448.3/8

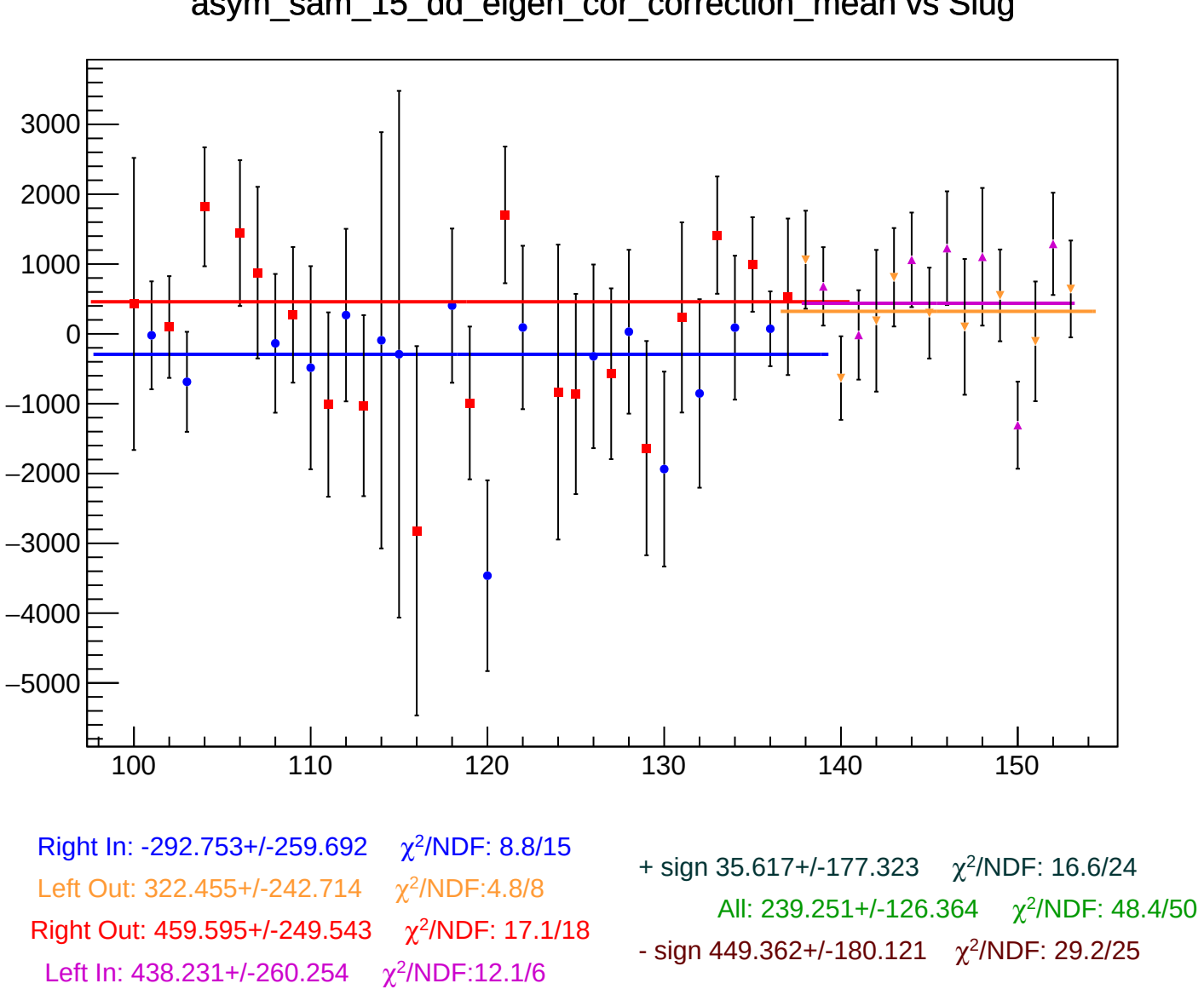
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 100.401+/-0.029 χ^2/NDF:179695.2/6

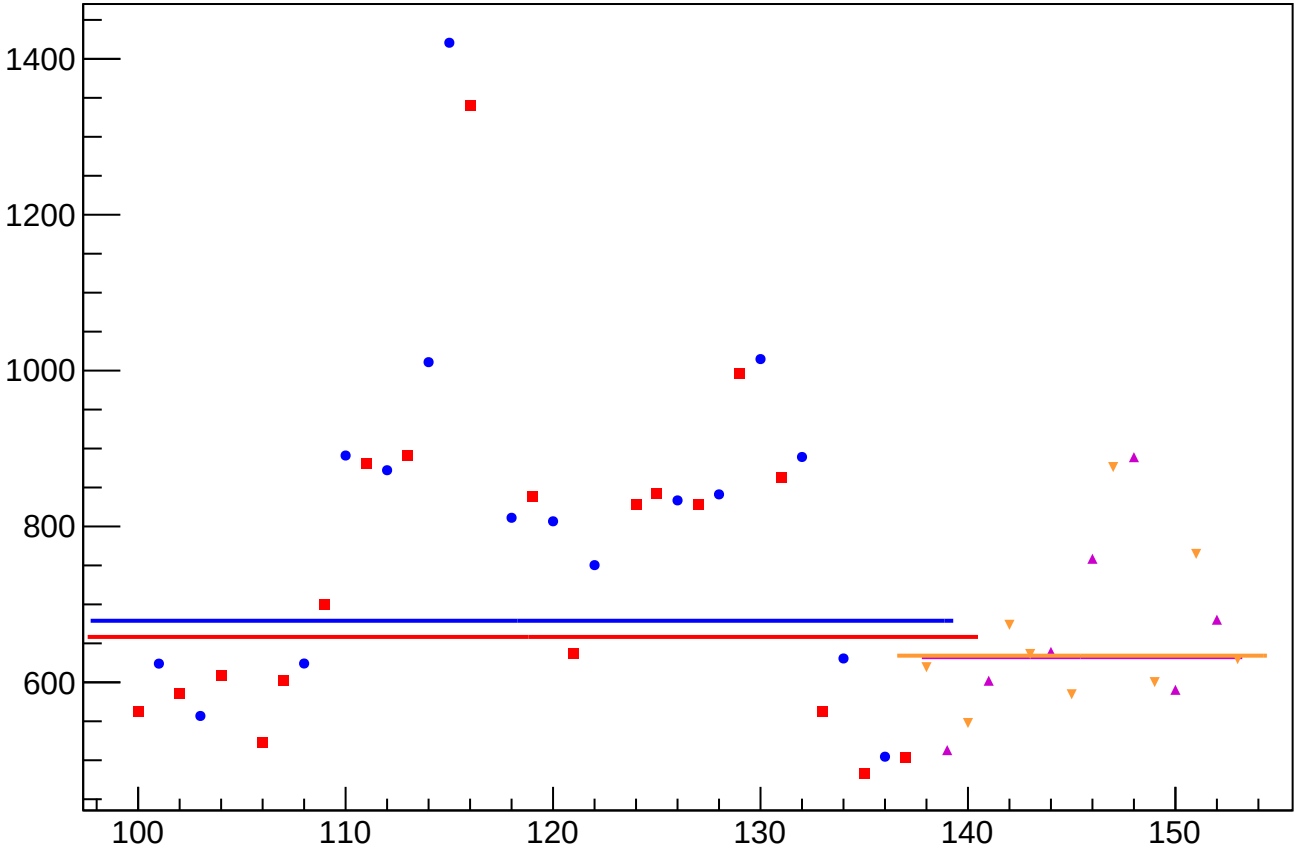
+ sign 94.828+/-0.018 χ^2/NDF: 315810.7/24

All: 94.903+/-0.013 χ^2/NDF: 659294.2/50

- sign 94.983+/-0.018 χ^2/NDF: 343446.8/25


asym_sam_15_dd_eigen_cor_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
100
110
120
130
140
150
Right In: -292.753+/-259.692 χ²/NDF: 8.8/15
Left Out: 322.455+/-242.714 χ²/NDF:4.8/8
Right Out: 459.595+/-249.543 χ²/NDF: 17.1/18
Left In: 438.231+/-260.254 χ²/NDF:12.1/6
+ sign 35.617+/-177.323 χ²/NDF: 16.6/24
All: 239.251+/-126.364 χ²/NDF: 48.4/50
- sign 449.362+/-180.121 χ²/NDF: 29.2/25

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 634.211+/-0.172 χ^2/NDF:233008.9/8

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

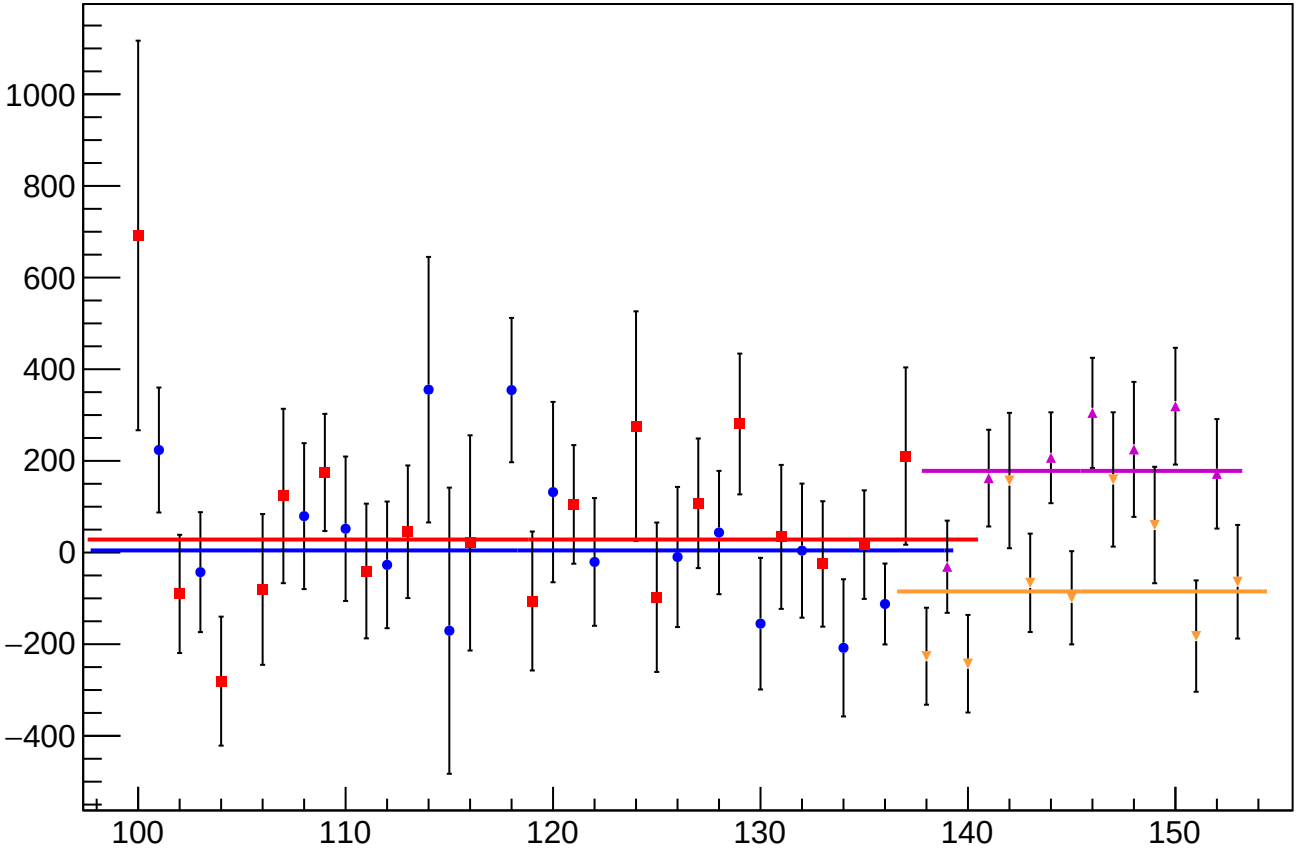
Left In: 632.284+/-0.184 χ^2/NDF:296261.7/6

+ sign 655.095+/-0.125 χ^2/NDF: 1032752.7/24

All: 650.529+/-0.089 χ^2/NDF: 2147987.7/50

- sign 645.819+/-0.127 χ^2/NDF: 1112541.4/25

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -84.920+/-39.285 χ^2/NDF:11.5/8

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

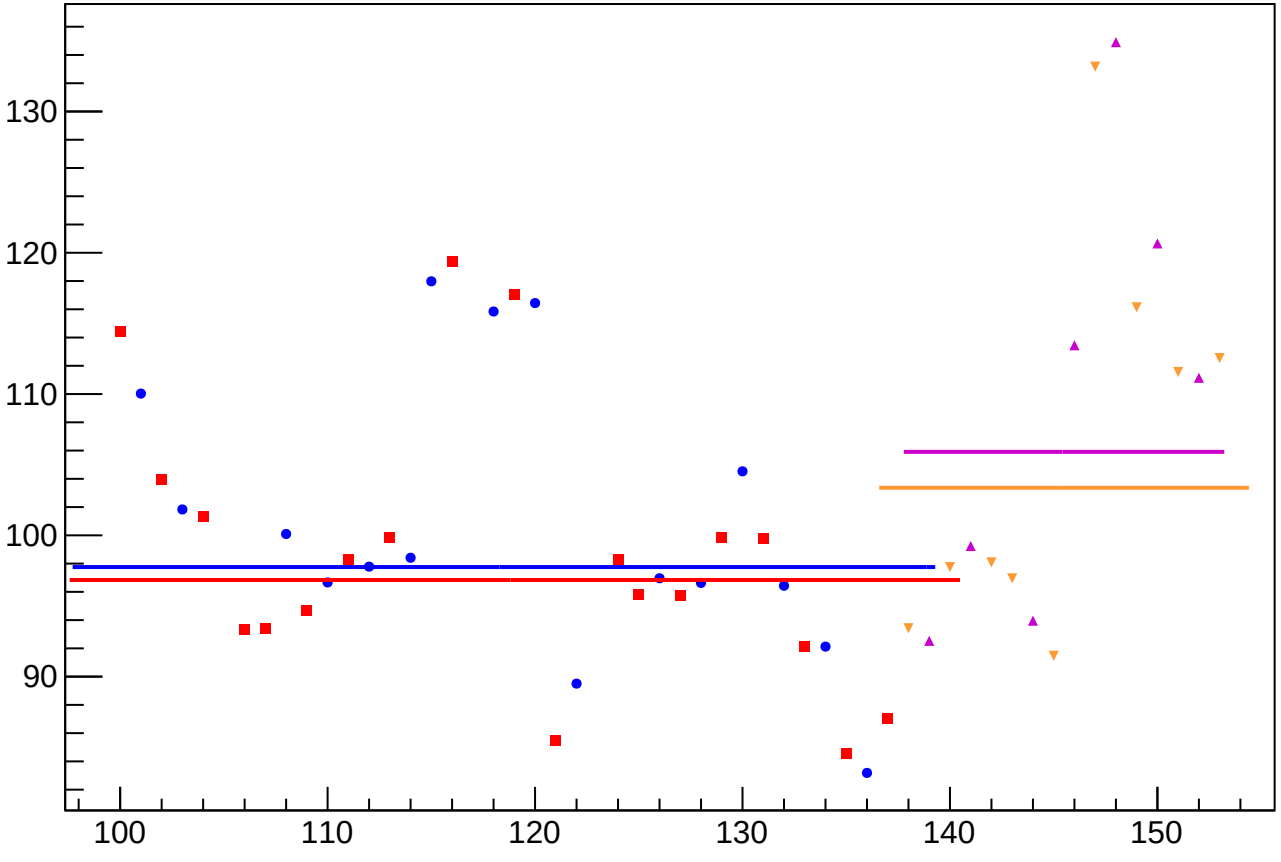
Left In: 178.185+/-43.139 χ^2/NDF:6.9/6

+ sign -36.876+/-26.743 χ^2/NDF: 29.6/24

All: 24.454+/-19.137 χ^2/NDF: 71.5/50

- sign 88.811+/-27.396 χ^2/NDF: 31.2/25

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 103.366+/-0.028 χ^2/NDF:183209.9/8

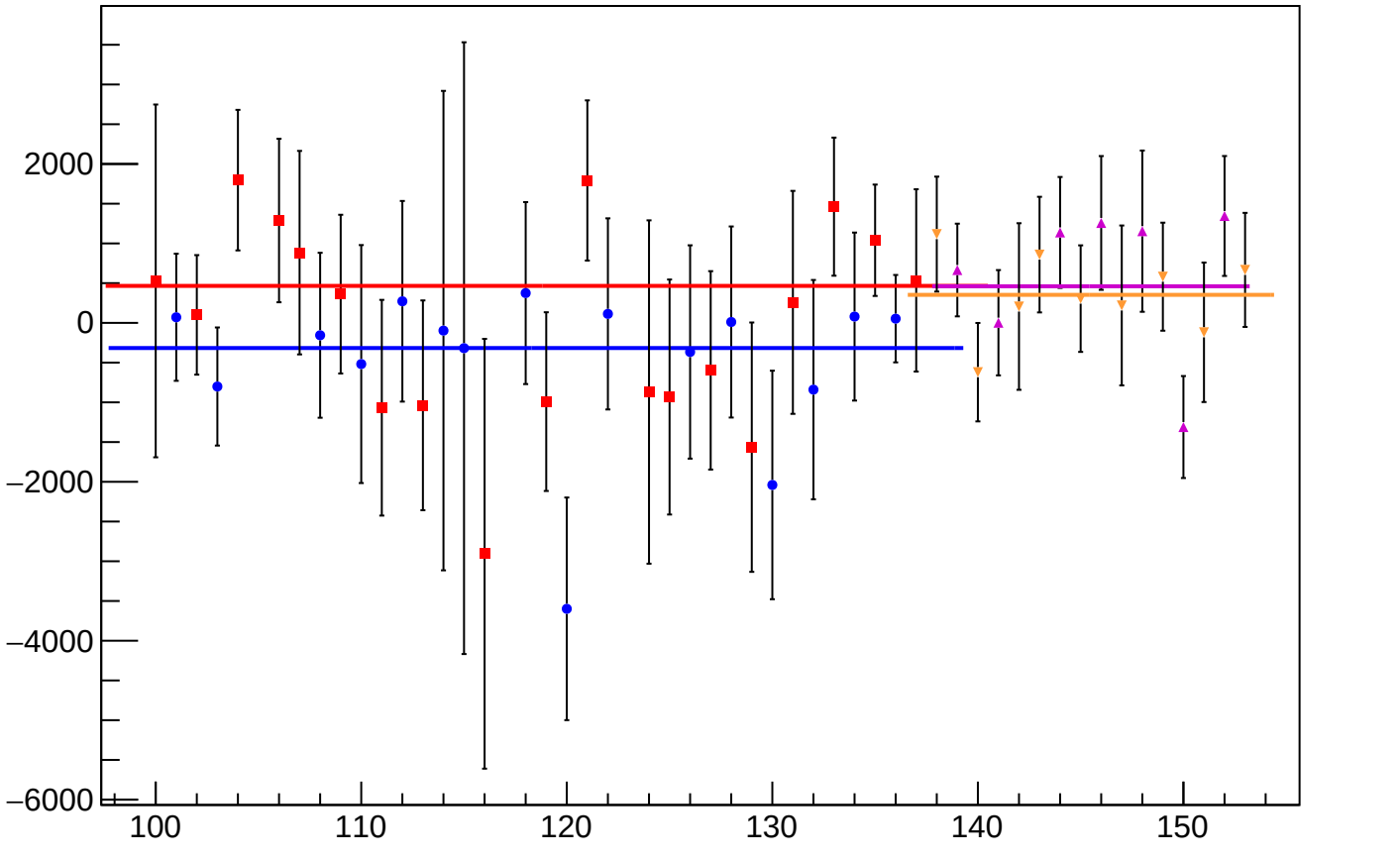
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 105.909+/-0.031 χ^2/NDF:188474.3/6

+ sign 100.356+/-0.019 χ^2/NDF: 345751.4/24

All: 100.425+/-0.014 χ^2/NDF: 702166.7/50

- sign 100.497+/-0.019 χ^2/NDF: 356388.1/25



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 352.808+/-250.534 χ^2/NDF:4.7/8

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

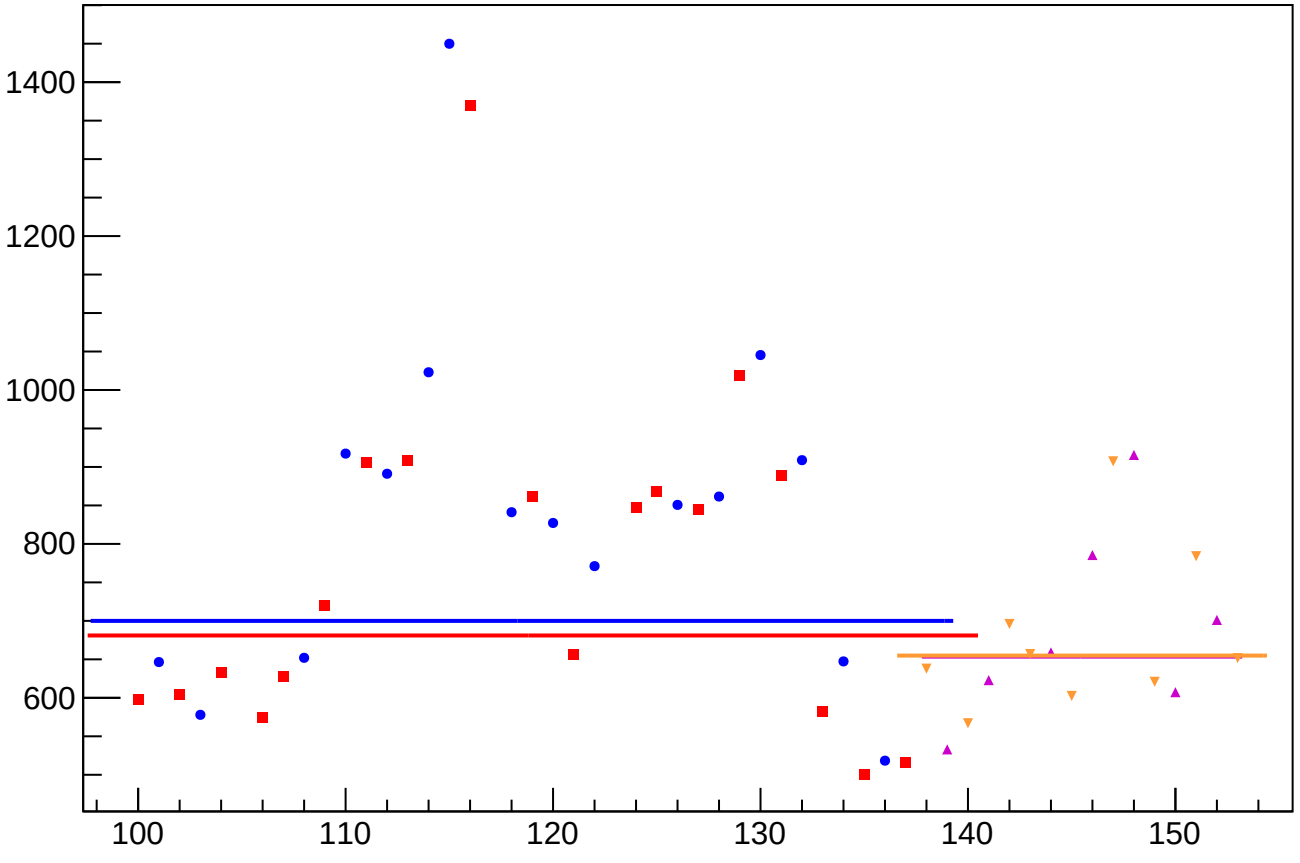
Left In: 460.671+/-268.816 χ^2/NDF:11.9/6

\+ sign 40.037+/-182.863 χ^2/NDF: 17.2/24

All: 248.460+/-130.271 χ^2/NDF: 48.2/50

\- sign 463.237+/-185.629 χ^2/NDF: 28.4/25

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 654.878+/-0.177 χ^2/NDF:230968.8/8

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

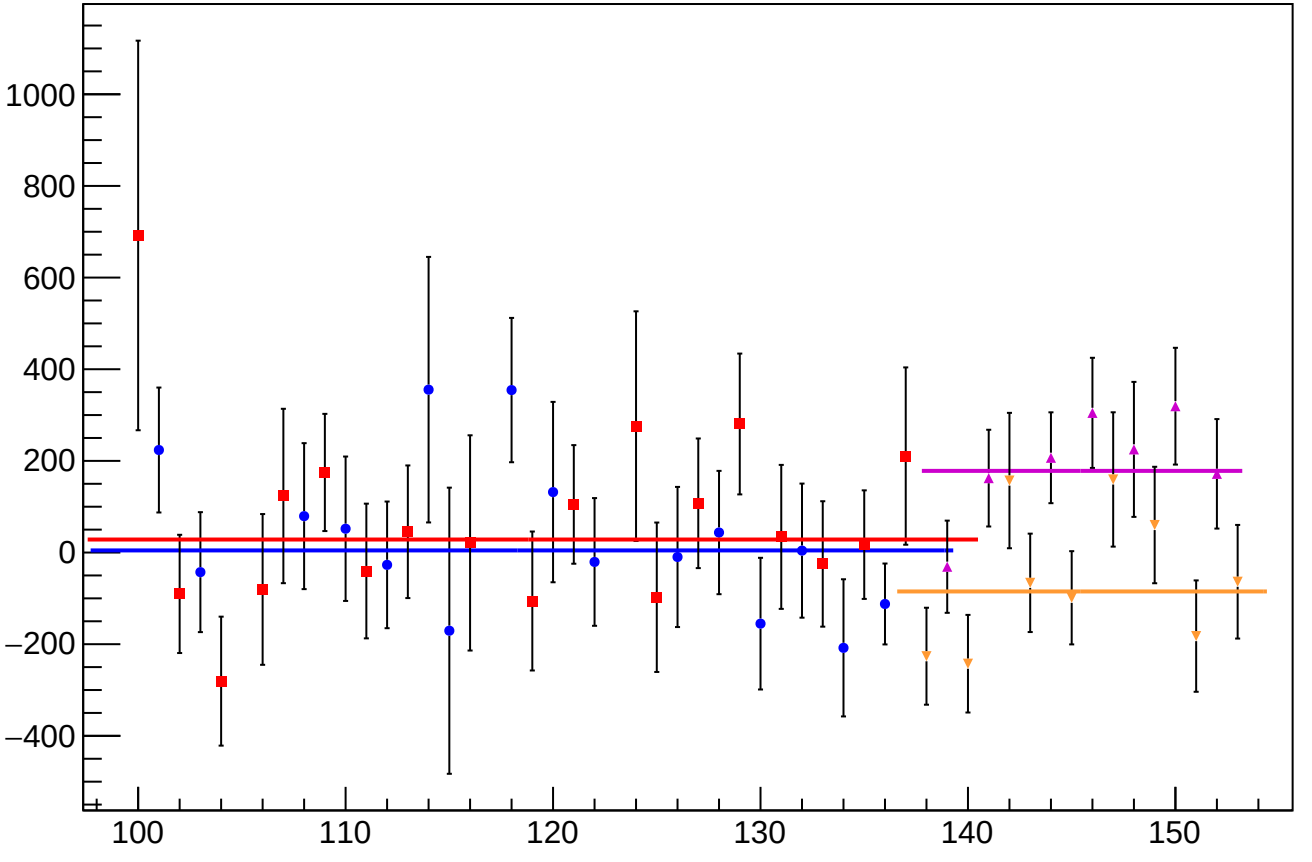
Left In: 653.534+/-0.190 χ^2/NDF:290798.6/6

+ sign 675.949+/-0.129 χ^2/NDF: 1014910.2/24

All: 671.990+/-0.092 χ^2/NDF: 2087945.1/50

- sign 667.911+/-0.131 χ^2/NDF: 1071131.9/25

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -84.921+/-39.285 χ^2/NDF:11.5/8

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

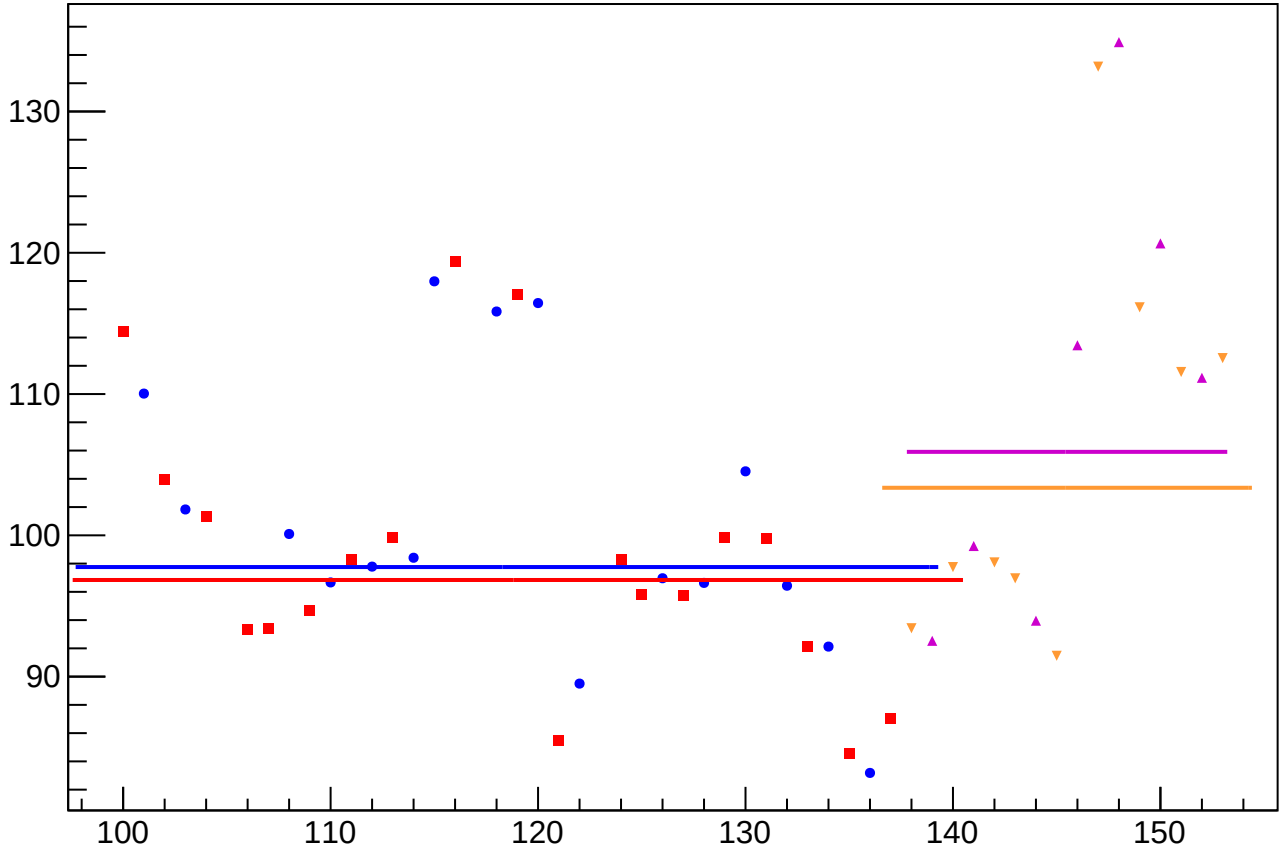
Left In: 178.185+/-43.139 χ^2/NDF:6.9/6

\+ sign -36.875+/-26.743 χ^2/NDF: 29.6/24

All: 24.454+/-19.137 χ^2/NDF: 71.5/50

\- sign 88.811+/-27.395 χ^2/NDF: 31.2/25

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 103.366+/-0.028 χ^2/NDF:183210.8/8

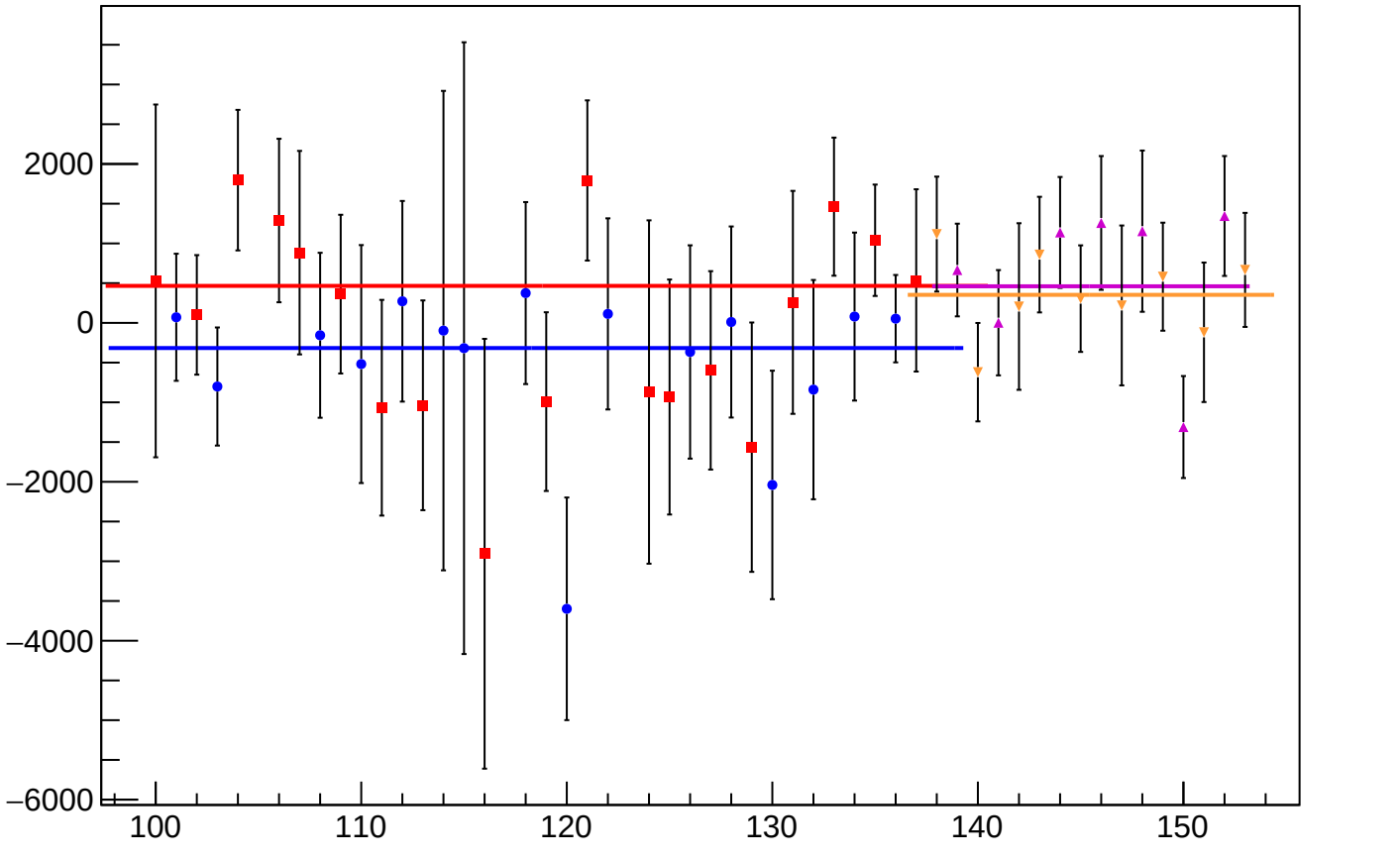
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 105.909+/-0.031 χ^2/NDF:188474.1/6

+ sign 100.356+/-0.019 χ^2/NDF: 345755.8/24

All: 100.425+/-0.014 χ^2/NDF: 702179.2/50

- sign 100.497+/-0.019 χ^2/NDF: 356396.2/25



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 352.808+/-250.534 χ^2/NDF:4.7/8

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

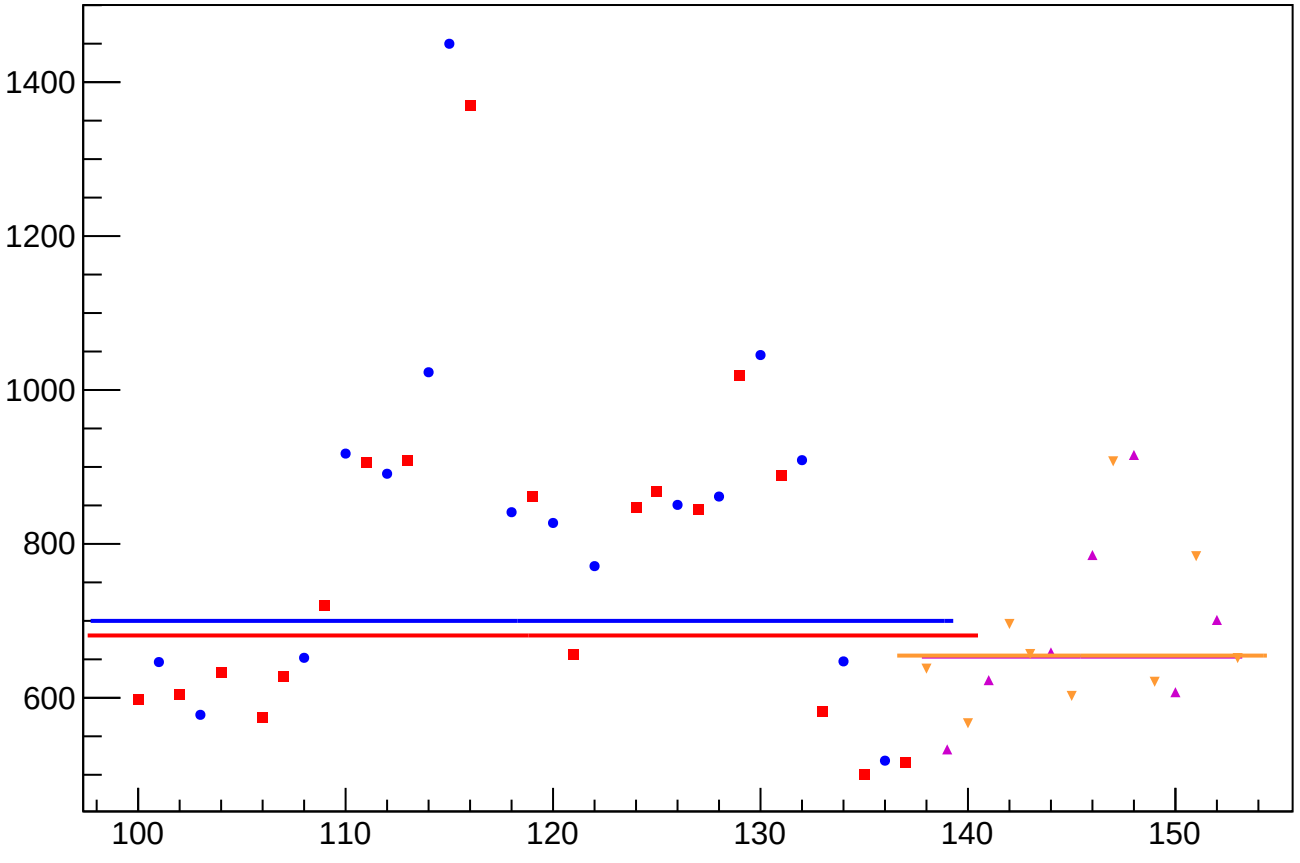
Left In: 460.673+/-268.816 χ^2/NDF:11.9/6

\+ sign 40.036+/-182.863 χ^2/NDF: 17.2/24

All: 248.460+/-130.271 χ^2/NDF: 48.2/50

\- sign 463.238+/-185.629 χ^2/NDF: 28.4/25

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 654.879+/-0.177 χ^2/NDF:230968.0/8

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

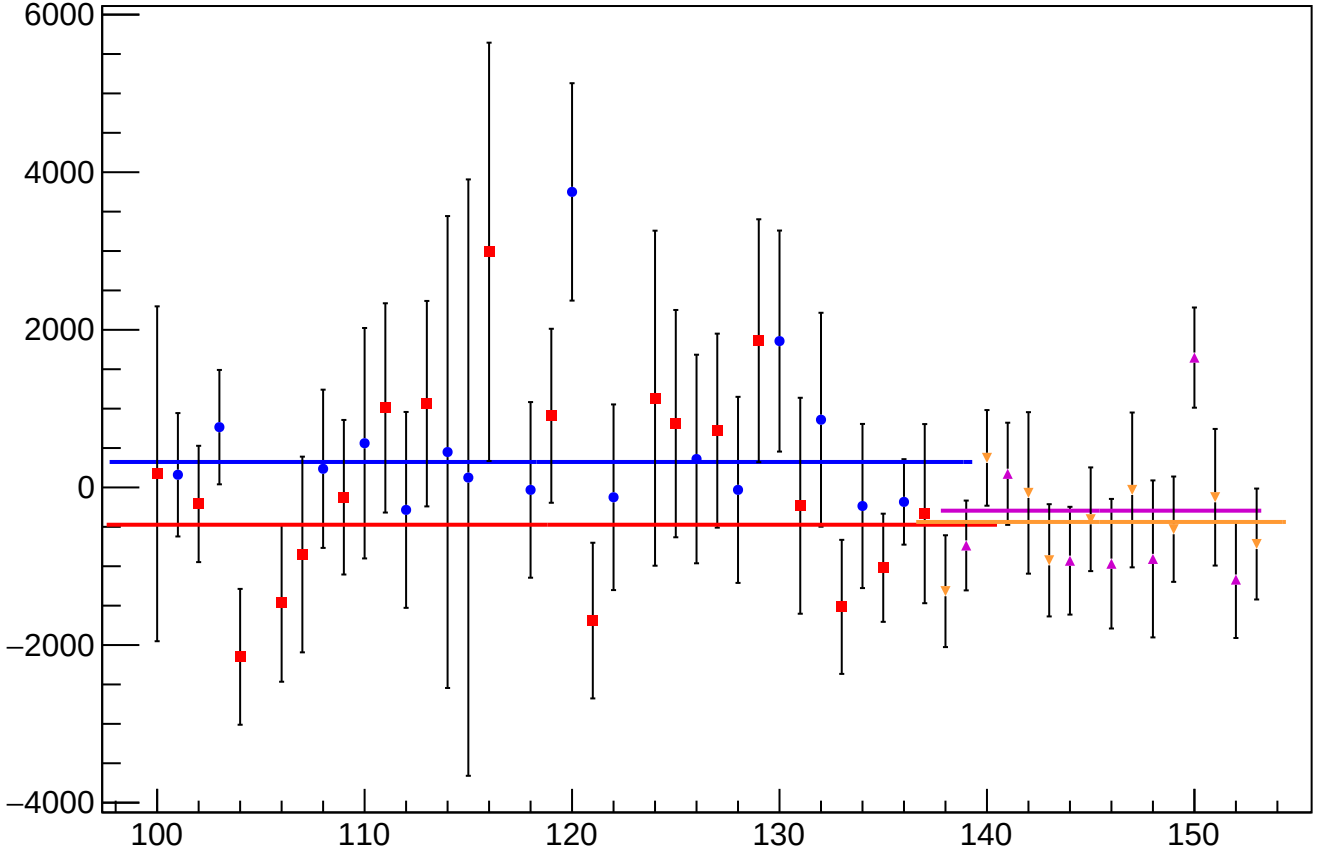
Left In: 653.535+/-0.190 χ^2/NDF:290798.3/6

+ sign 675.949+/-0.129 χ^2/NDF: 1014909.0/24

All: 671.990+/-0.092 χ^2/NDF: 2087944.8/50

- sign 667.911+/-0.131 χ^2/NDF: 1071132.7/25

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -437.956+/-245.744 χ^2/NDF:4.4/8

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

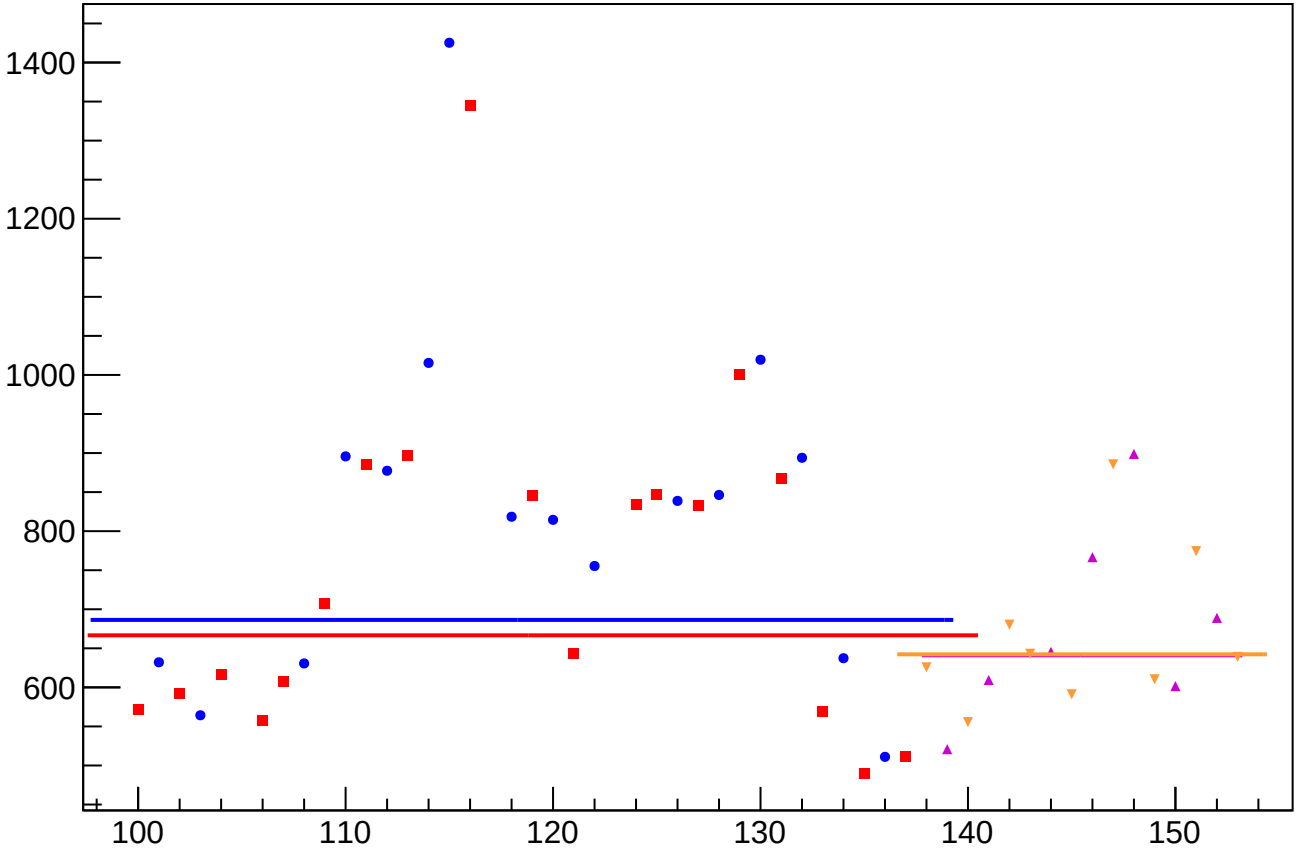
Left In: -294.857+/-263.726 χ^2/NDF:13.8/6

+ sign -82.204+/-179.345 χ^2/NDF: 18.6/24

All: -233.070+/-127.724 χ^2/NDF: 53.4/50

- sign -388.336+/-181.942 χ^2/NDF: 33.4/25

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 642.325+/-0.174 χ^2/NDF:230471.3/8

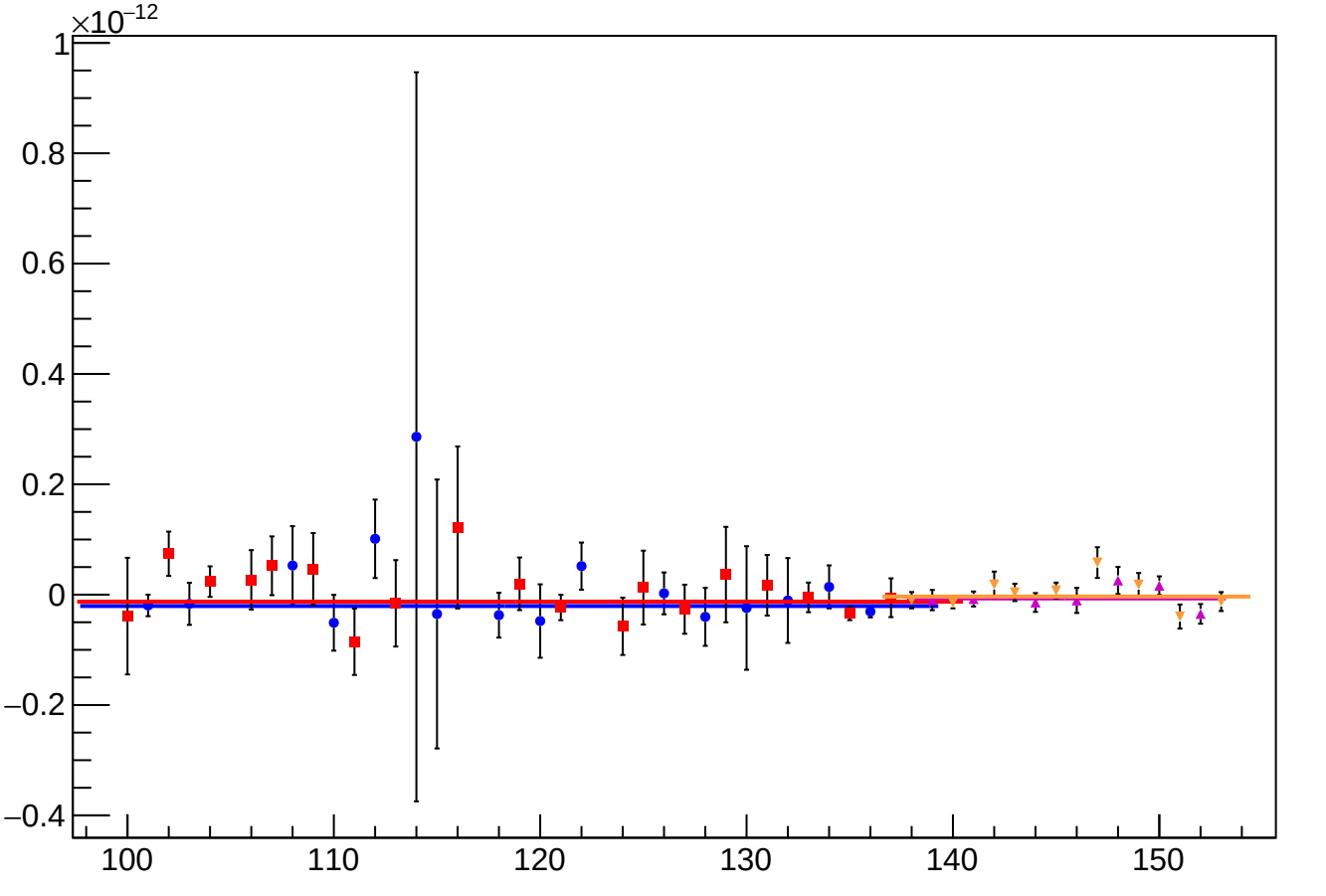
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 641.026+/-0.186 χ^2/NDF:290540.0/6

\+ sign 662.922+/-0.127 χ^2/NDF: 1009987.0/24

All: 658.745+/-0.090 χ^2/NDF: 2089644.5/50

\- sign 654.446+/-0.129 χ^2/NDF: 1077456.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.2/8

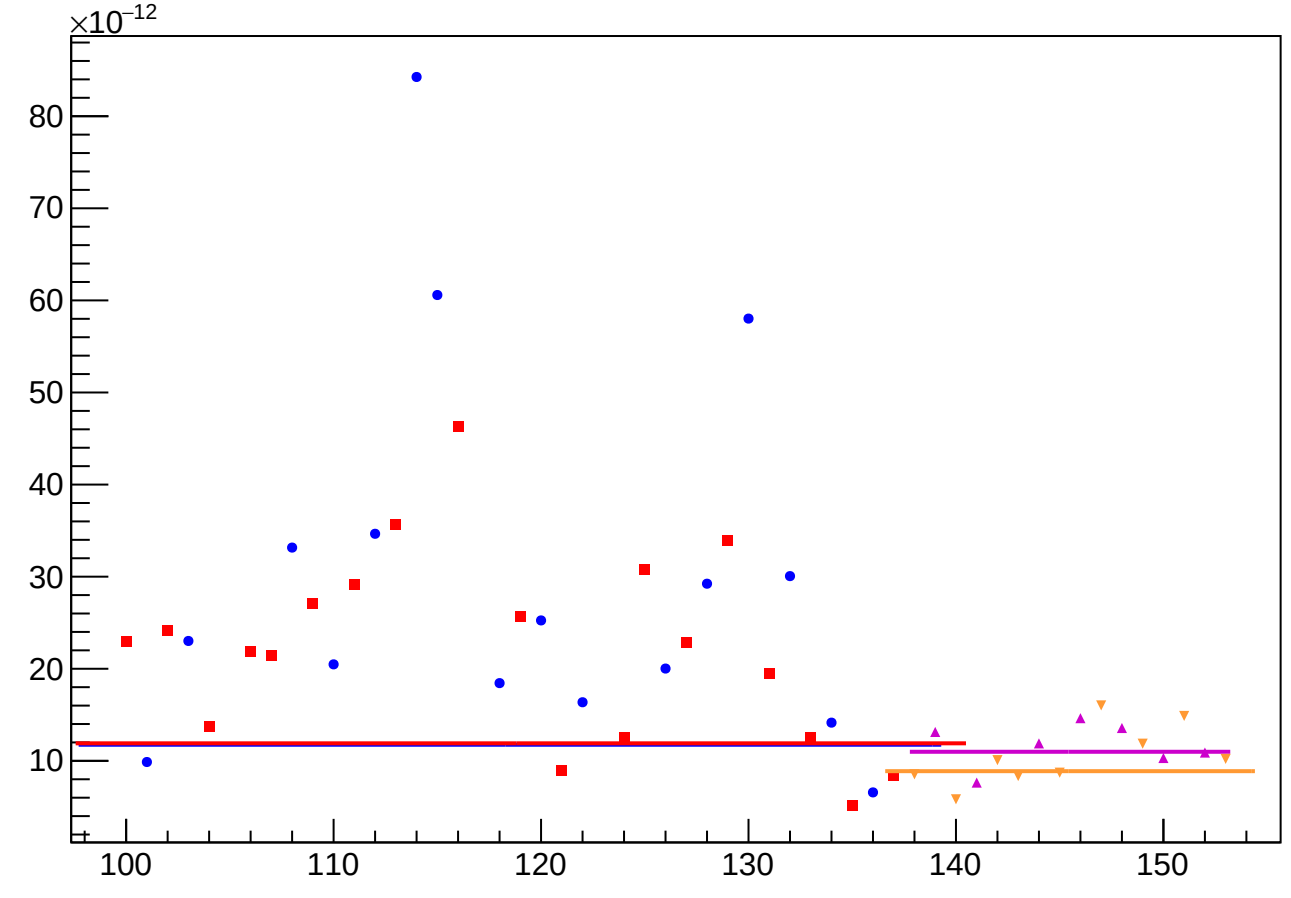
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 25.4/24

All: -0.000+/-0.000 χ^2/NDF: 49.1/50

- sign -0.000+/-0.000 χ^2/NDF: 23.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:532132.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

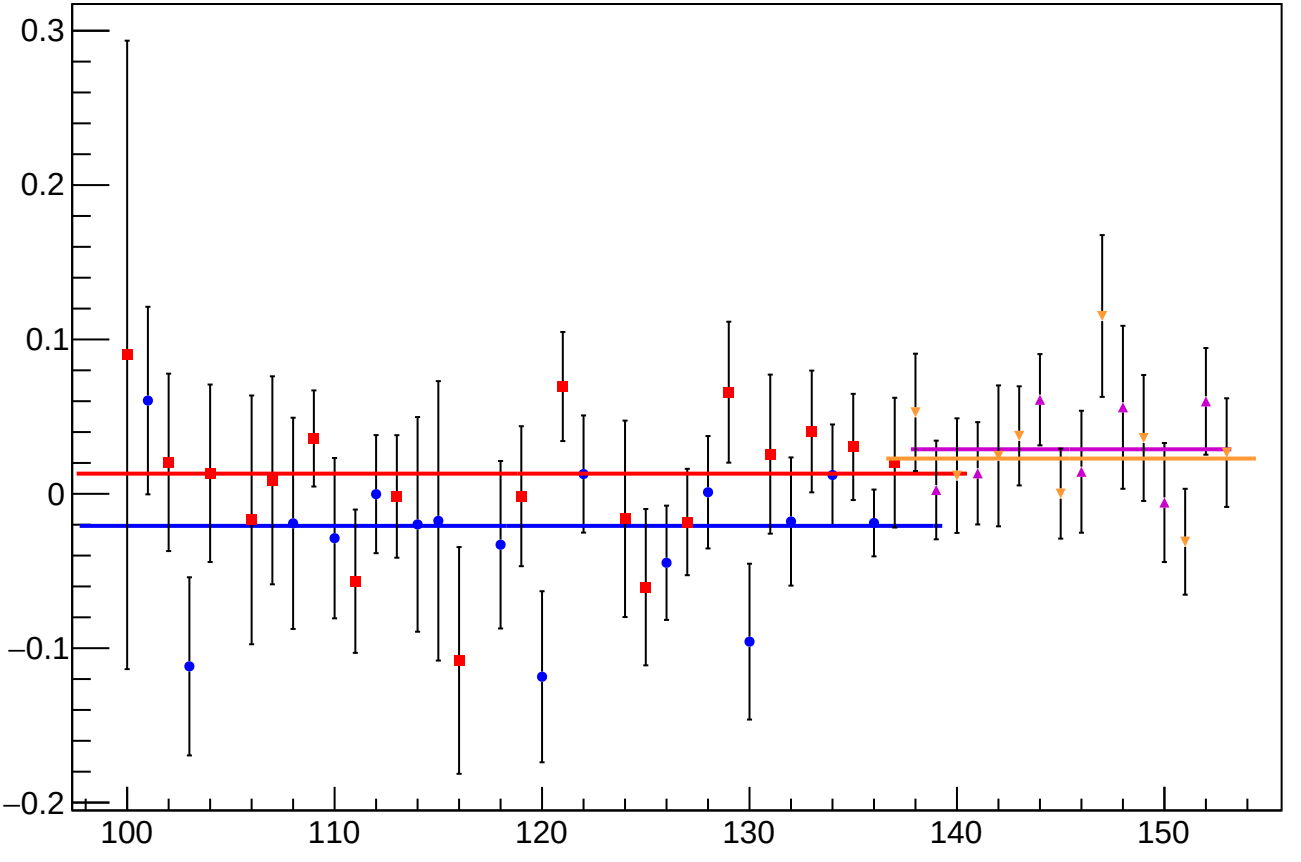
Left In: 0.000+/-0.000 χ^2/NDF:232173.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 2876002.0/24

All: 0.000+/-0.000 χ^2/NDF: 5433974.1/50

- sign 0.000+/-0.000 χ^2/NDF: 2450398.7/25

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.012 χ^2/NDF:7.2/8

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

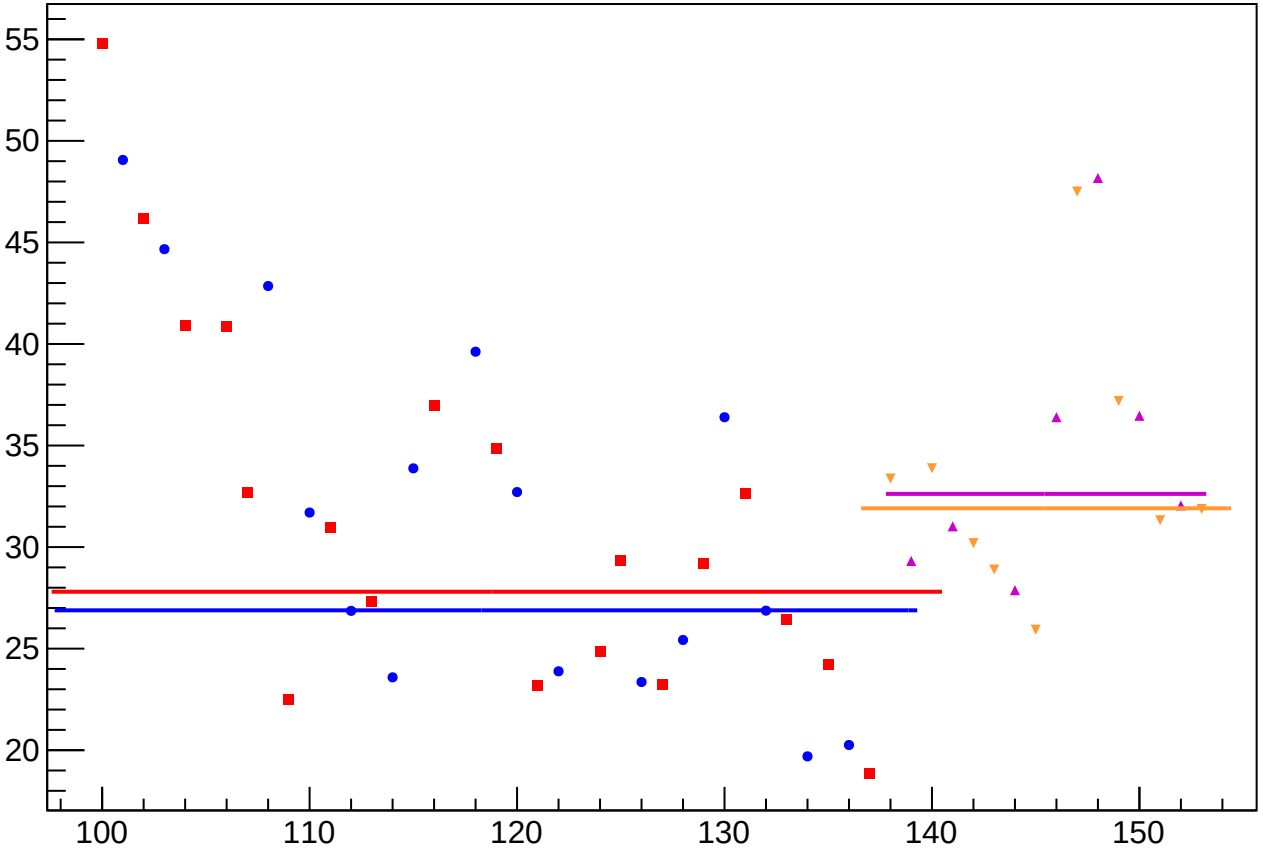
Left In: 0.029+/-0.013 χ^2/NDF:4.1/6

+ sign -0.002+/-0.008 χ^2/NDF: 27.1/24

All: 0.008+/-0.006 χ^2/NDF: 49.4/50

- sign 0.019+/-0.008 χ^2/NDF: 18.8/25

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.909+/-0.009 χ^2/NDF:324271.9/8

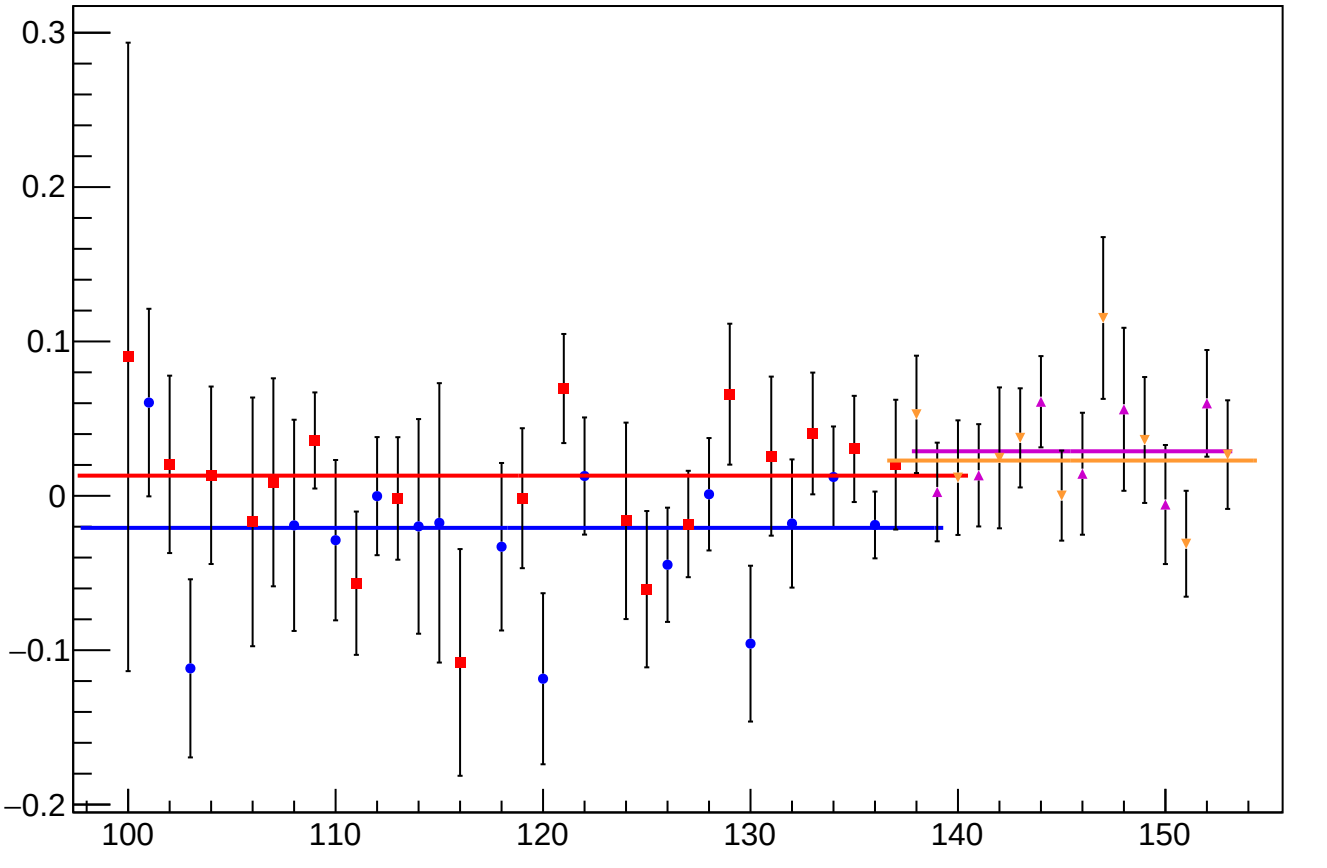
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.620+/-0.009 χ^2/NDF:289757.6/6

+ sign 29.016+/-0.006 χ^2/NDF: 1638578.2/24

All: 29.315+/-0.004 χ^2/NDF: 2856541.6/50

- sign 29.638+/-0.006 χ^2/NDF: 1212107.2/25



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.012 χ^2/NDF:7.2/8

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

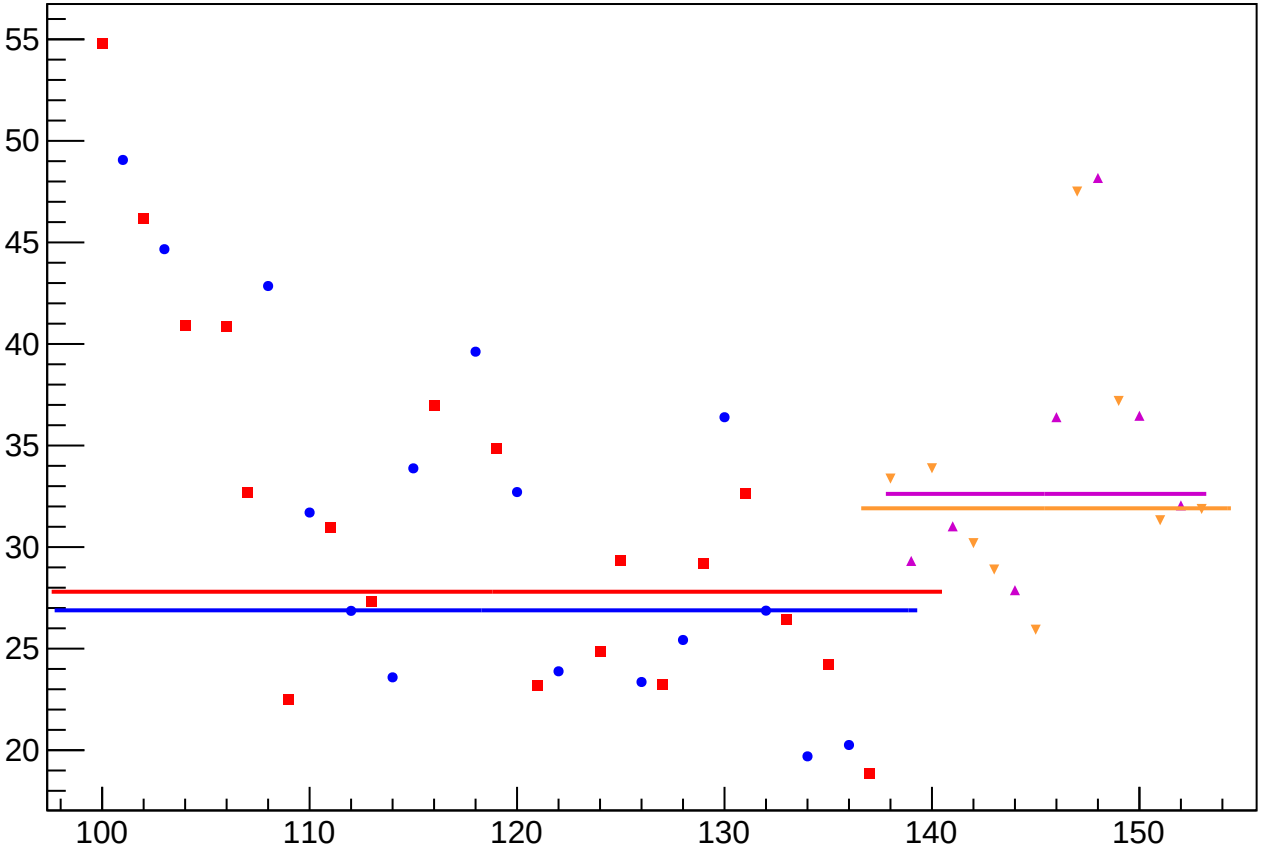
Left In: 0.029+/-0.013 χ^2/NDF:4.1/6

+ sign -0.002+/-0.008 χ^2/NDF: 27.1/24

All: 0.008+/-0.006 χ^2/NDF: 49.4/50

- sign 0.019+/-0.008 χ^2/NDF: 18.8/25

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.909+/-0.009 χ^2/NDF:324271.9/8

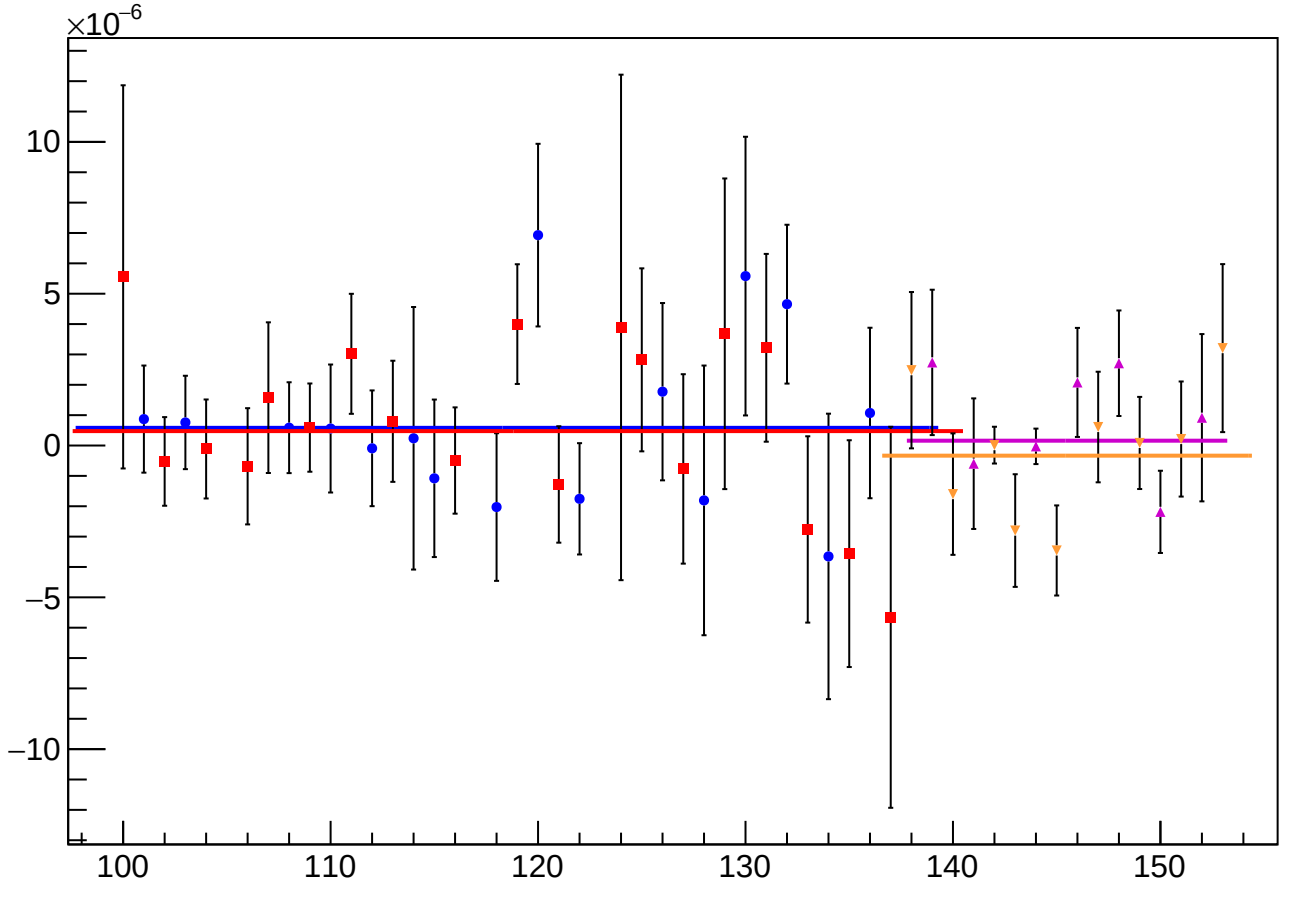
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.620+/-0.009 χ^2/NDF:289757.6/6

+ sign 29.016+/-0.006 χ^2/NDF: 1638578.2/24

All: 29.315+/-0.004 χ^2/NDF: 2856541.6/50

- sign 29.638+/-0.006 χ^2/NDF: 1212107.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/8

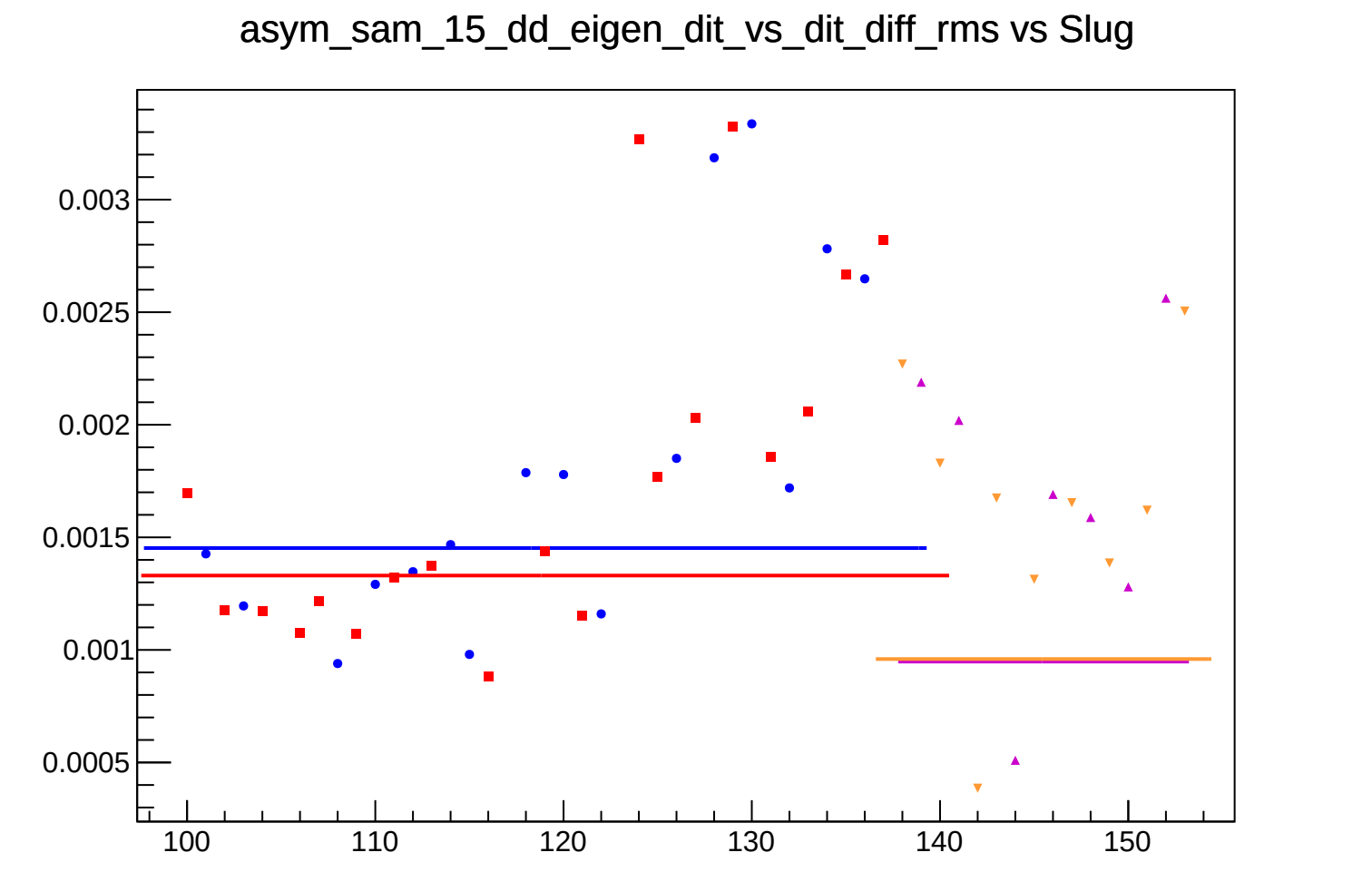
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/24

All: 0.000+/-0.000 χ^2/NDF: 46.0/50

- sign 0.000+/-0.000 χ^2/NDF: 21.2/25



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4419376.0/8

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

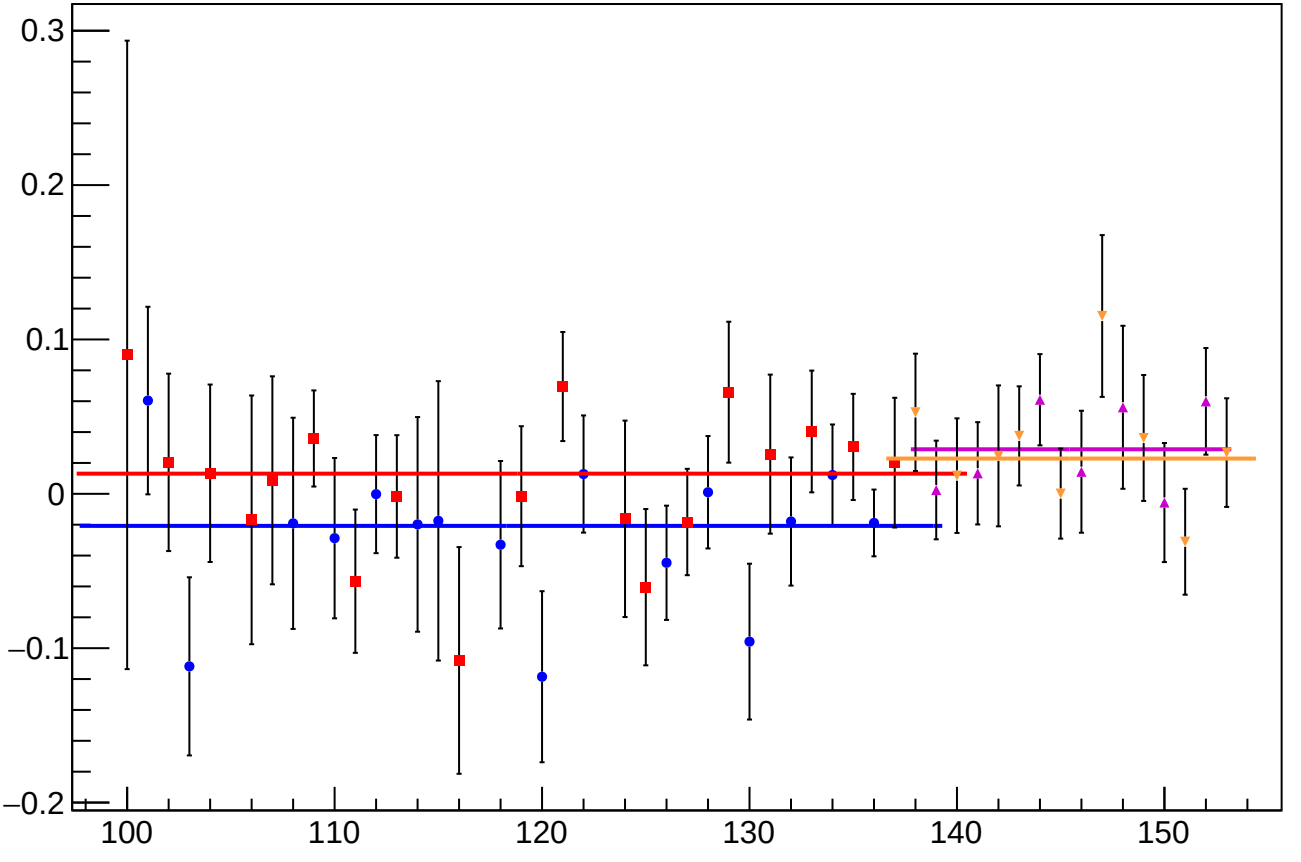
Left In: 0.001+/-0.000 χ^2/NDF:3580302.5/6

+ sign 0.001+/-0.000 χ^2/NDF: 7043077.5/24

All: 0.001+/-0.000 χ^2/NDF: 12634556.0/50

- sign 0.001+/-0.000 χ^2/NDF: 5585933.9/25

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.012 χ^2/NDF:7.2/8

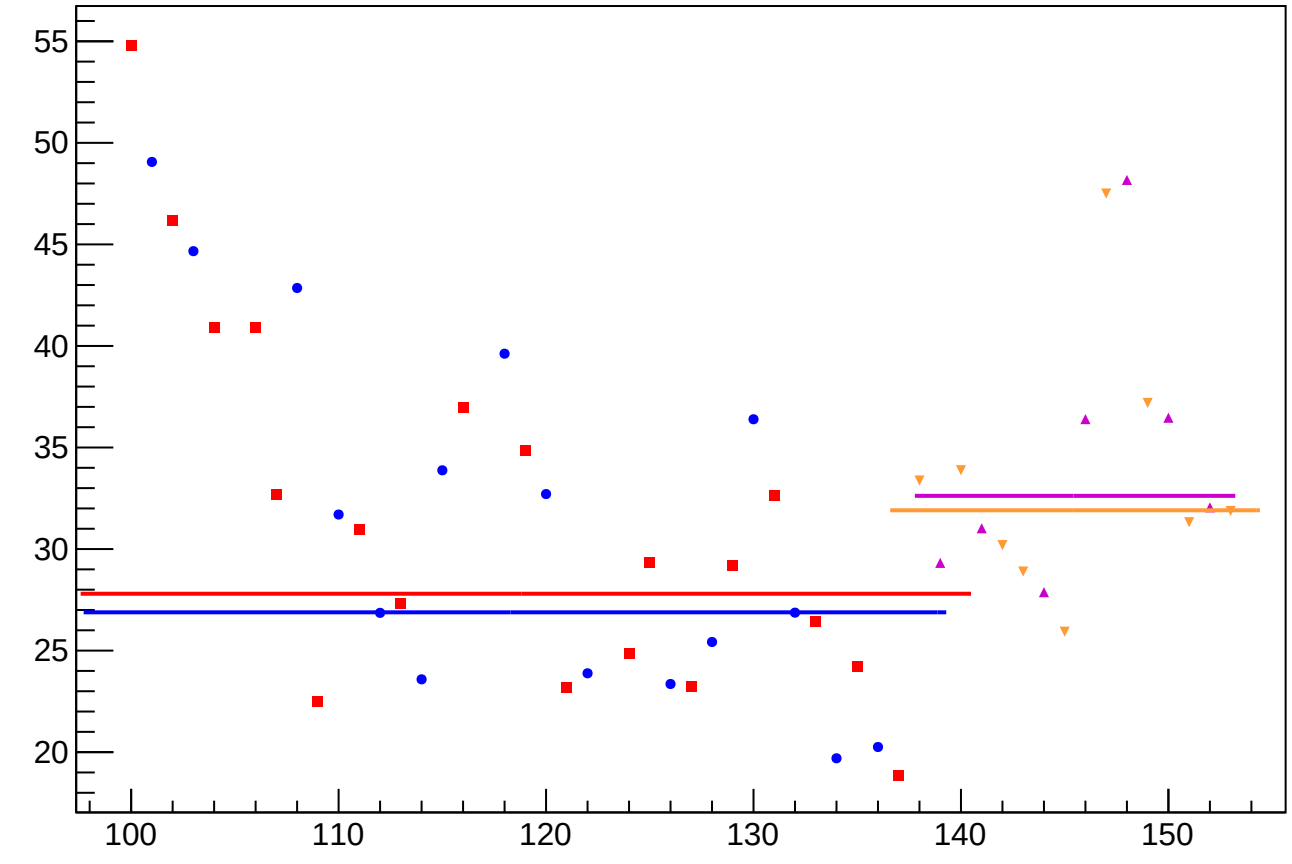
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.029+/-0.013 χ^2/NDF:4.1/6

+ sign -0.002+/-0.008 χ^2/NDF: 27.1/24

All: 0.008+/-0.006 χ^2/NDF: 49.4/50

- sign 0.019+/-0.008 χ^2/NDF: 18.8/25



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.909+/-0.009 χ^2/NDF:324323.9/8

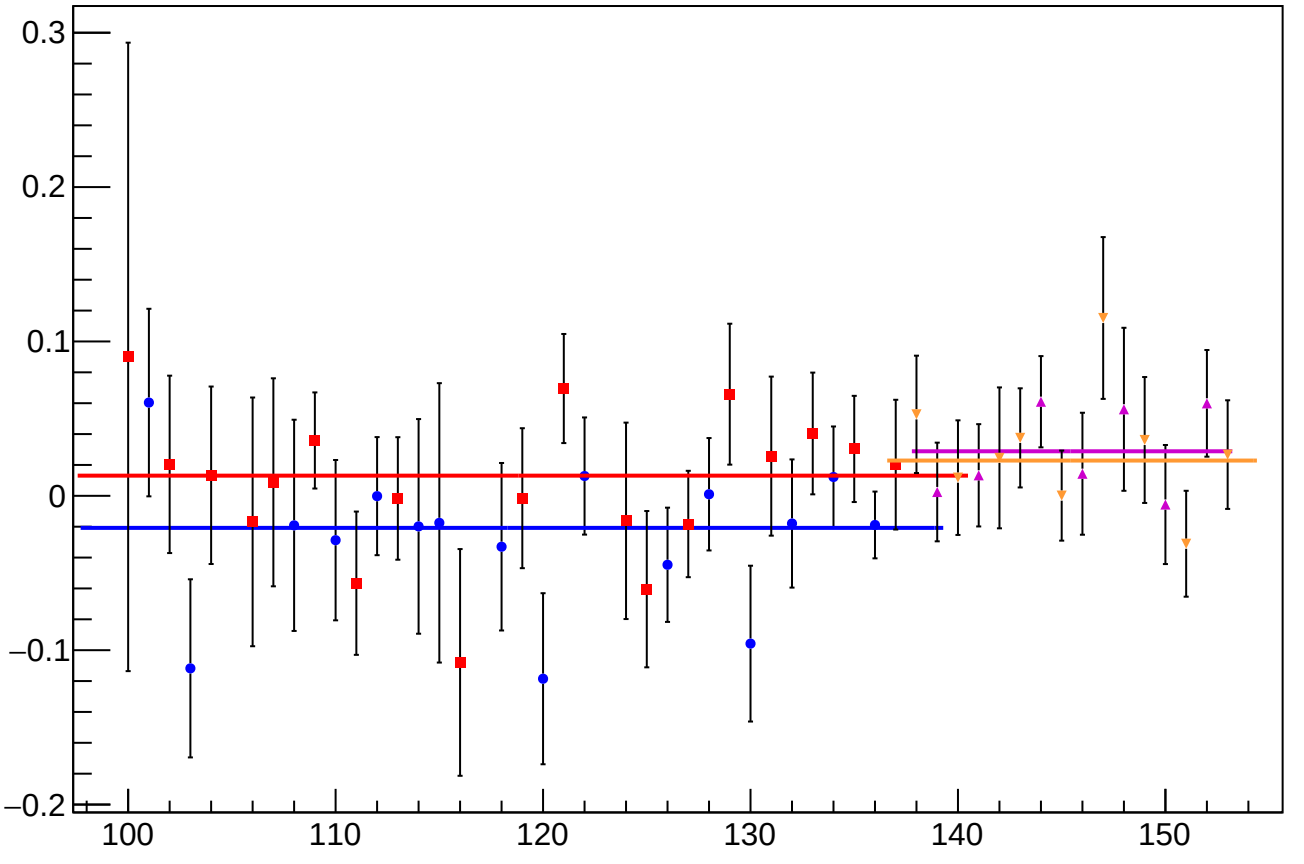
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.620+/-0.009 χ^2/NDF:289765.2/6

+ sign 29.015+/-0.006 χ^2/NDF: 1638725.1/24

All: 29.314+/-0.004 χ^2/NDF: 2856927.4/50

- sign 29.638+/-0.006 χ^2/NDF: 1212350.3/25



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.012 χ^2/NDF:7.2/8

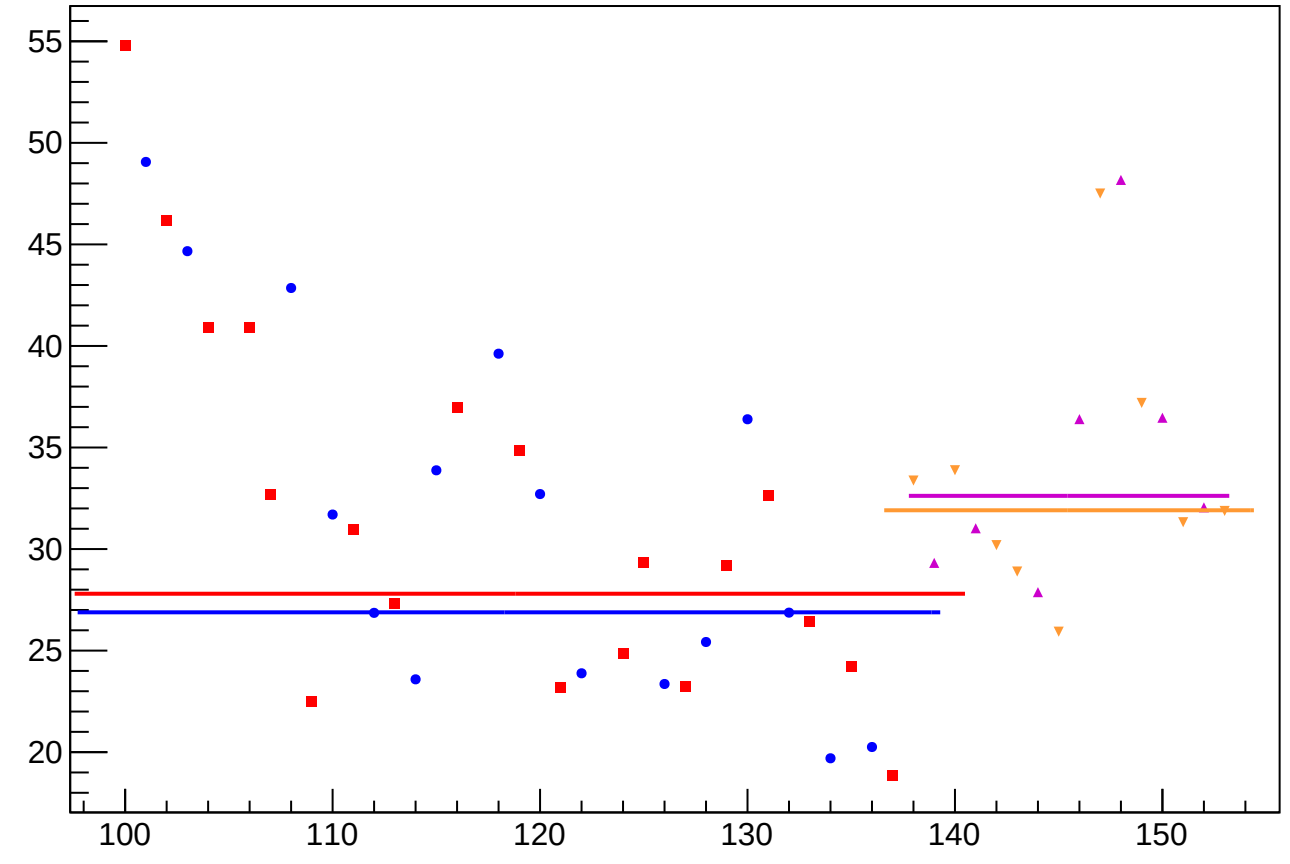
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.029+/-0.013 χ^2/NDF:4.1/6

\+ sign -0.002+/-0.008 χ^2/NDF: 27.1/24

All: 0.008+/-0.006 χ^2/NDF: 49.4/50

\- sign 0.019+/-0.008 χ^2/NDF: 18.8/25



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.909+/-0.009 χ^2/NDF:324323.9/8

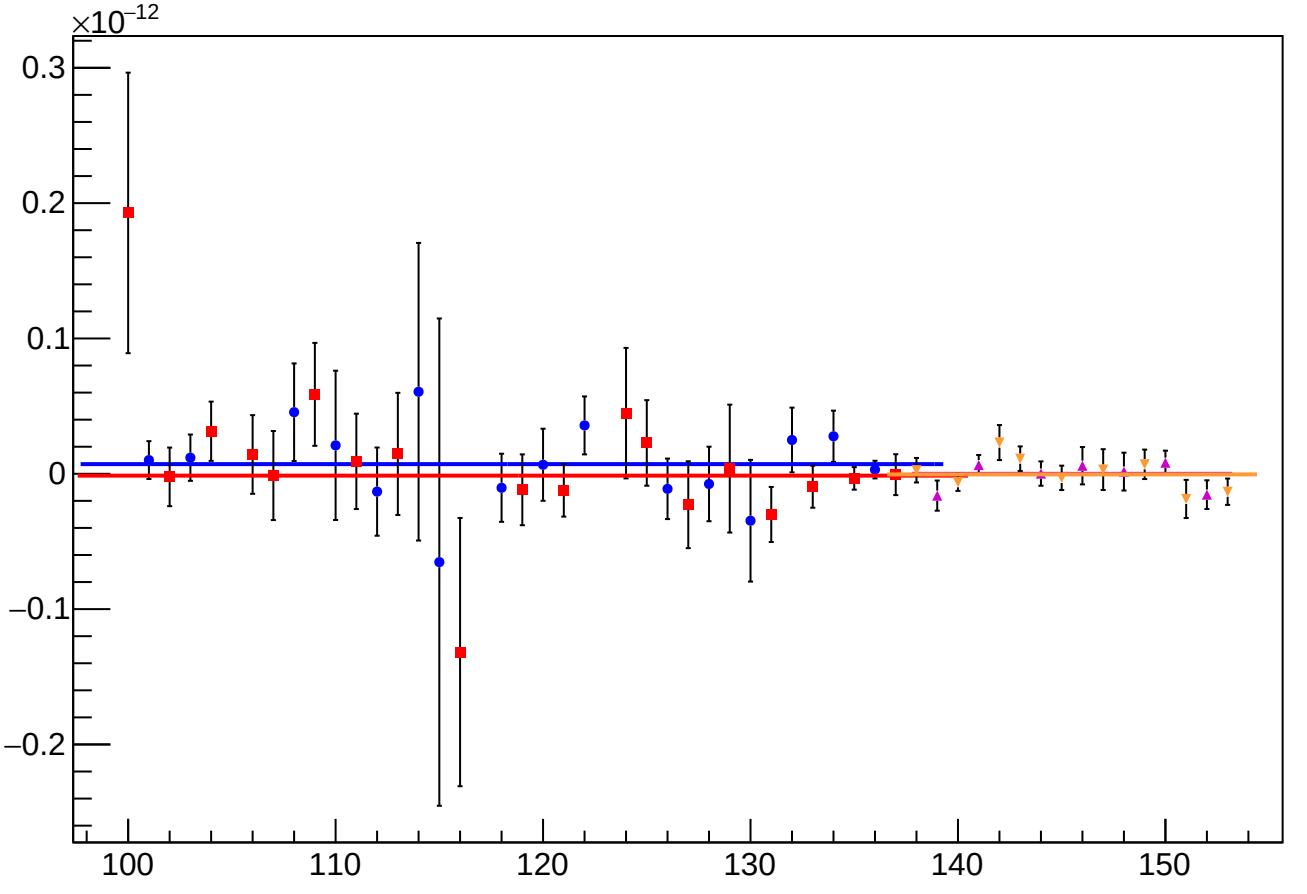
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.620+/-0.009 χ^2/NDF:289765.2/6

+ sign 29.015+/-0.006 χ^2/NDF: 1638725.1/24

All: 29.314+/-0.004 χ^2/NDF: 2856927.4/50

- sign 29.638+/-0.006 χ^2/NDF: 1212350.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/8

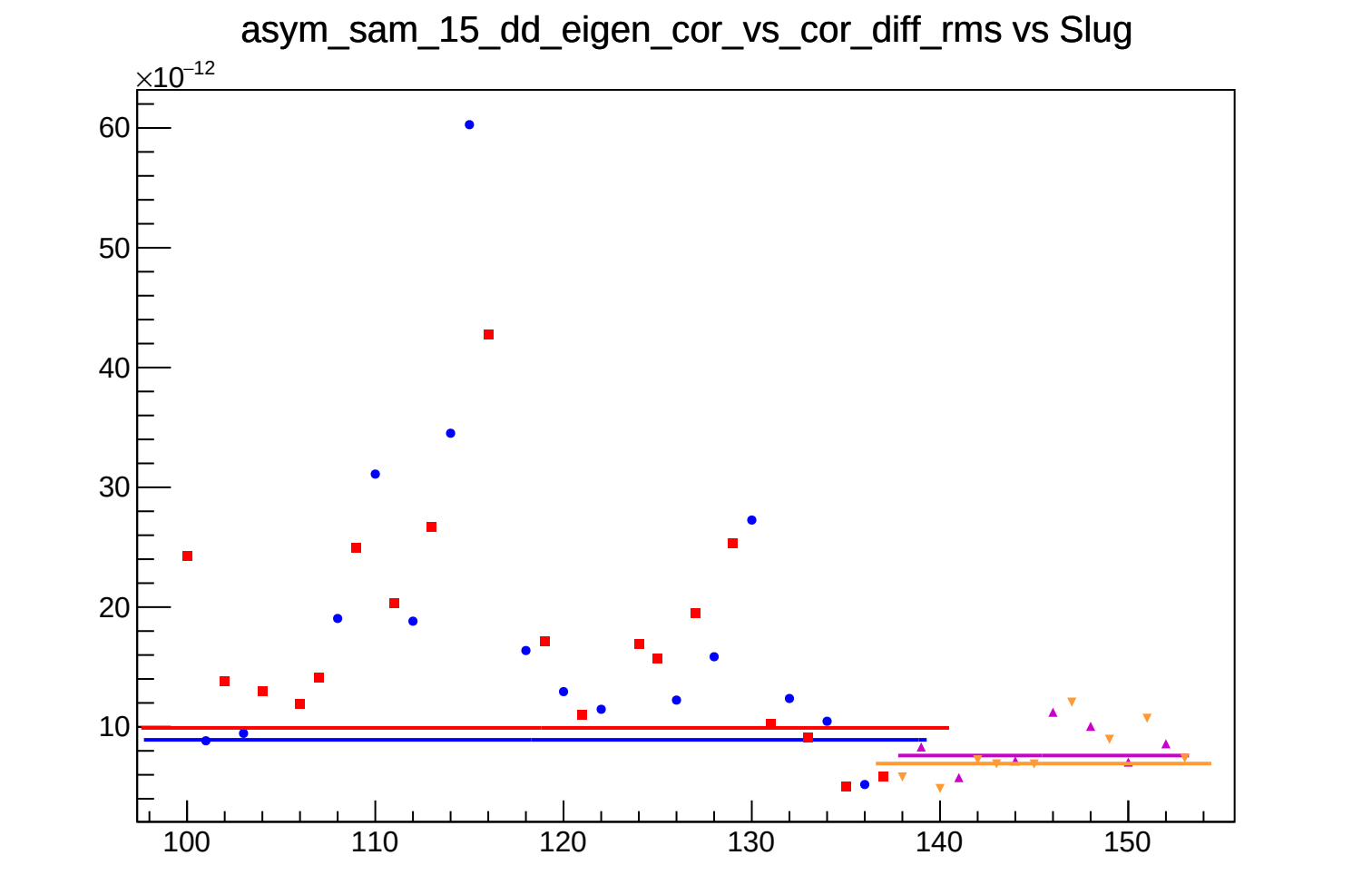
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 20.0/24

All: 0.000+/-0.000 χ^2/NDF: 41.8/50

- sign -0.000+/-0.000 χ^2/NDF: 21.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:691431.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

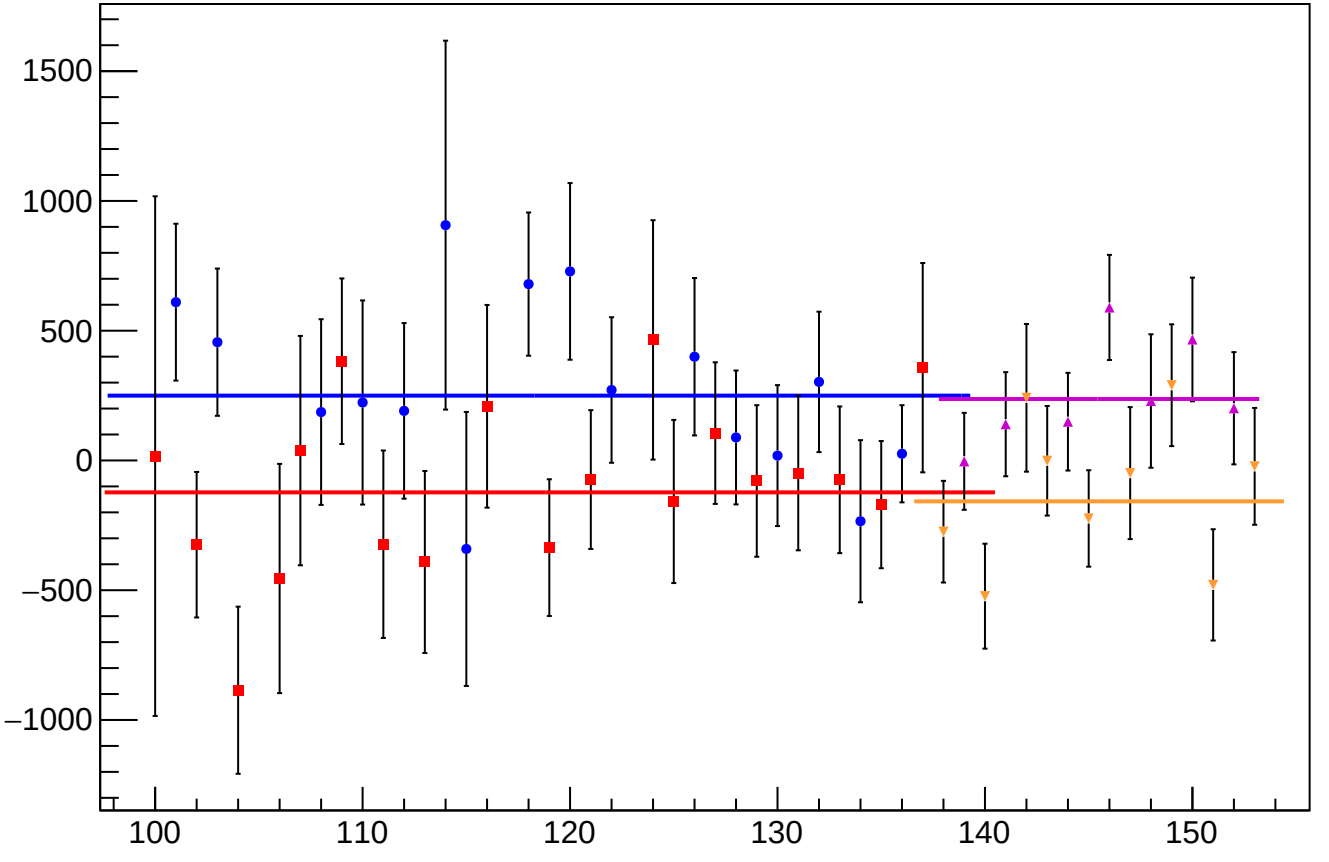
Left In: 0.000+/-0.000 χ^2/NDF:360556.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 3343839.8/24

All: 0.000+/-0.000 χ^2/NDF: 6741442.0/50

- sign 0.000+/-0.000 χ^2/NDF: 3306056.3/25

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -157.566+/-72.665 χ^2/NDF:12.7/8

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

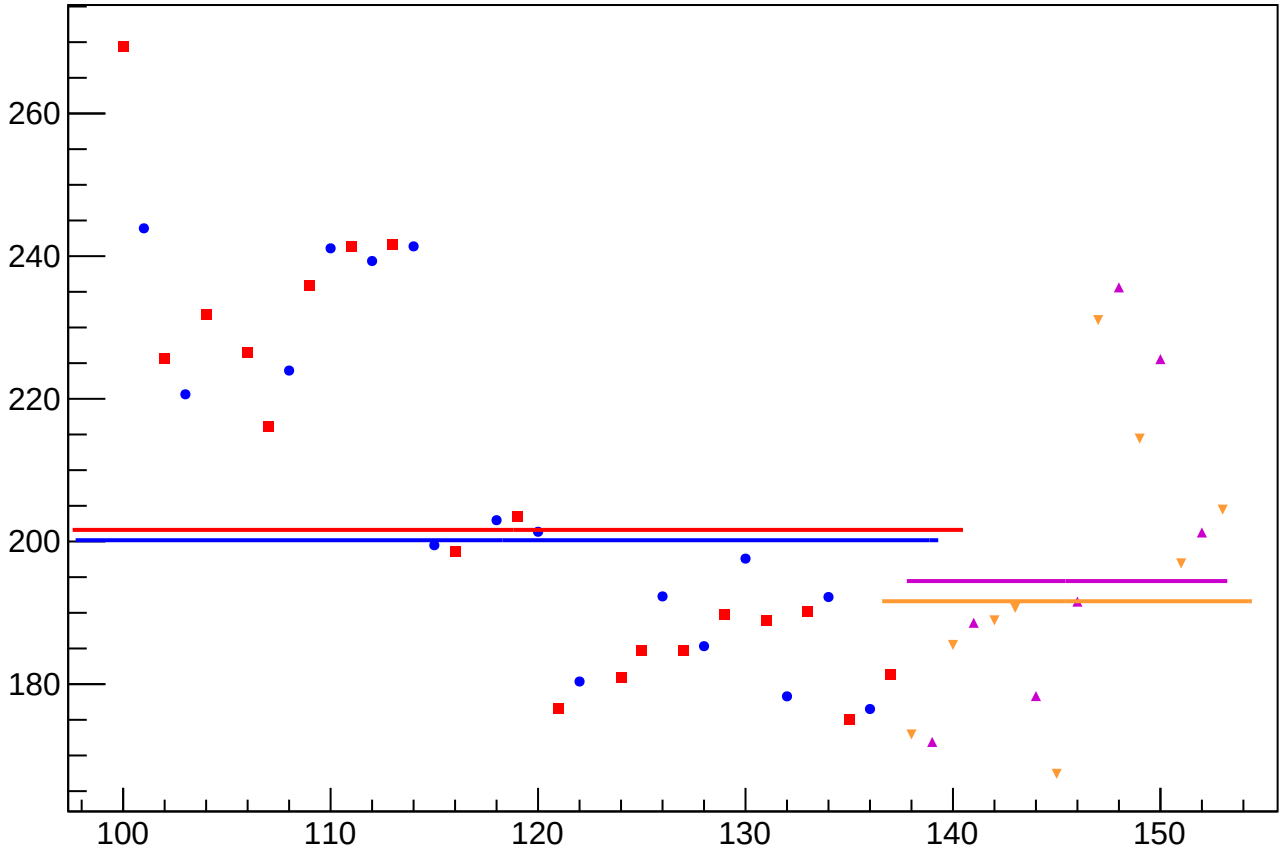
Left In: 236.782+/-79.011 χ^2/NDF:6.1/6

+ sign 39.991+/-52.146 χ^2/NDF: 41.7/24

All: 42.891+/-37.563 χ^2/NDF: 74.3/50

- sign 46.018+/-54.154 χ^2/NDF: 32.6/25

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 191.623+/-0.051 χ^2/NDF:128789.9/8

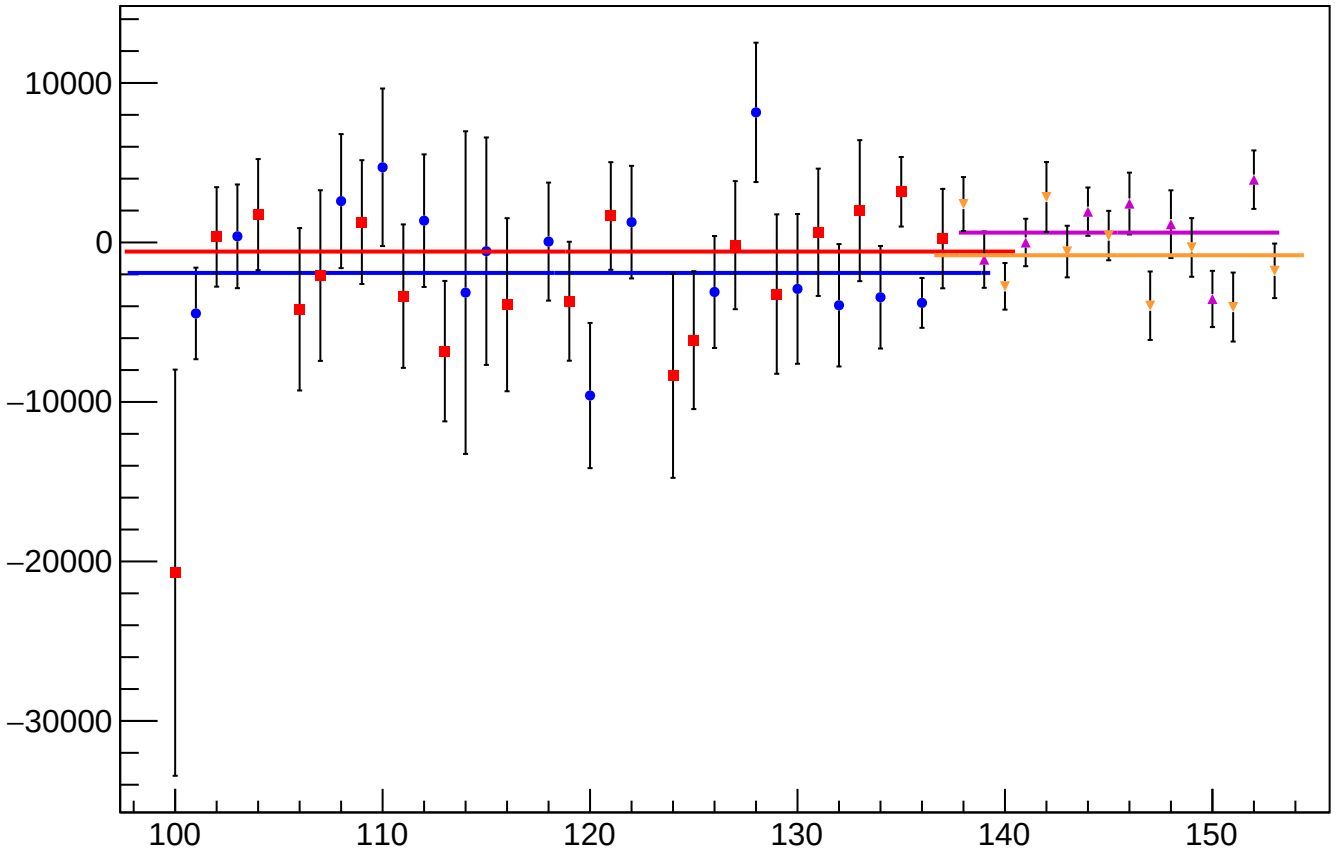
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 194.452+/-0.056 χ^2/NDF:133251.4/6

+ sign 195.772+/-0.037 χ^2/NDF: 323232.1/24

All: 196.967+/-0.027 χ^2/NDF: 664658.9/50

- sign 198.257+/-0.038 χ^2/NDF: 339242.2/25



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -802.661+/-587.955 χ^2/NDF:13.6/8

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

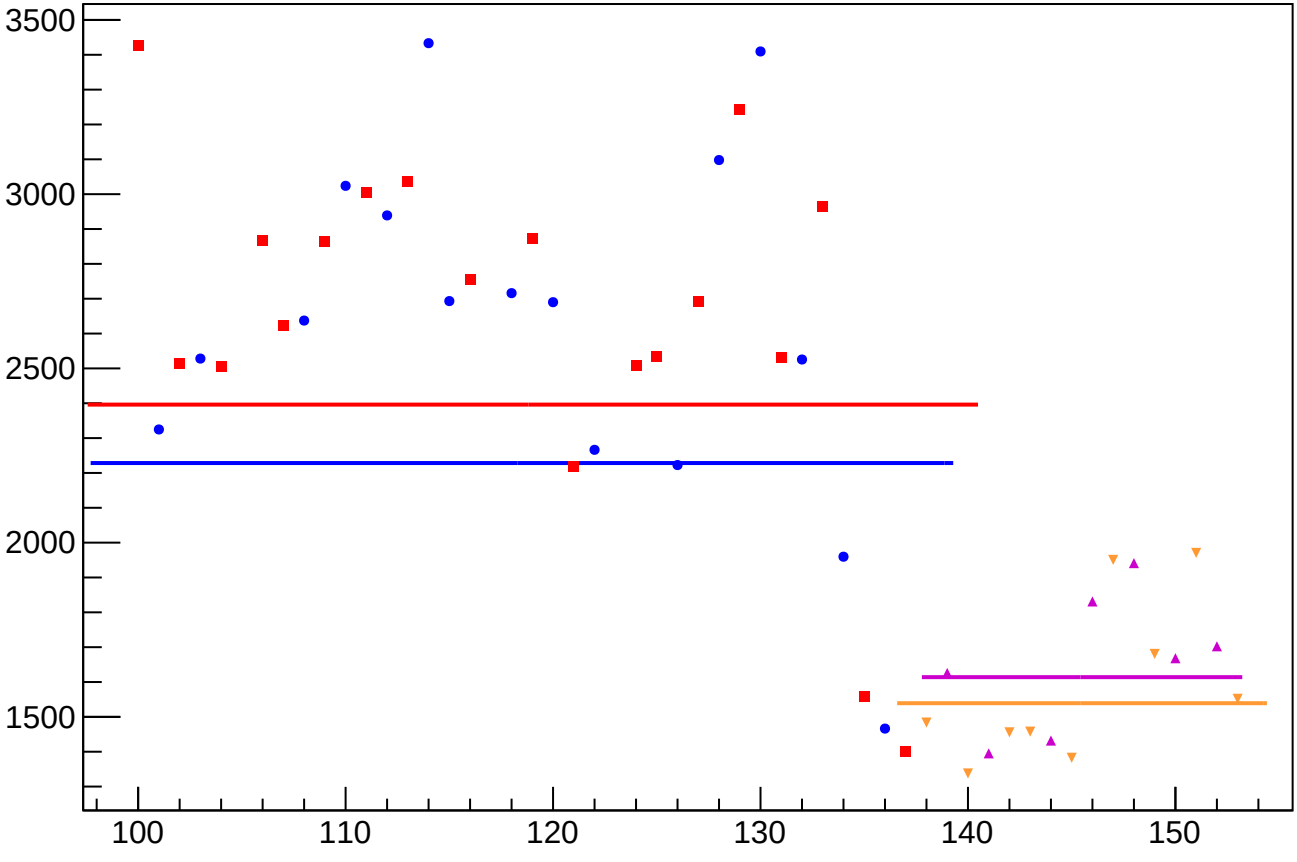
Left In: 617.385+/-657.200 χ^2/NDF:11.6/6

\+ sign -1155.996+/-485.202 χ^2/NDF: 31.0/24

All: -536.802+/-358.142 χ^2/NDF: 62.0/50

\- sign 204.377+/-530.848 χ^2/NDF: 27.4/25

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1539.233+/-0.416 χ^2/NDF:233592.0/8

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

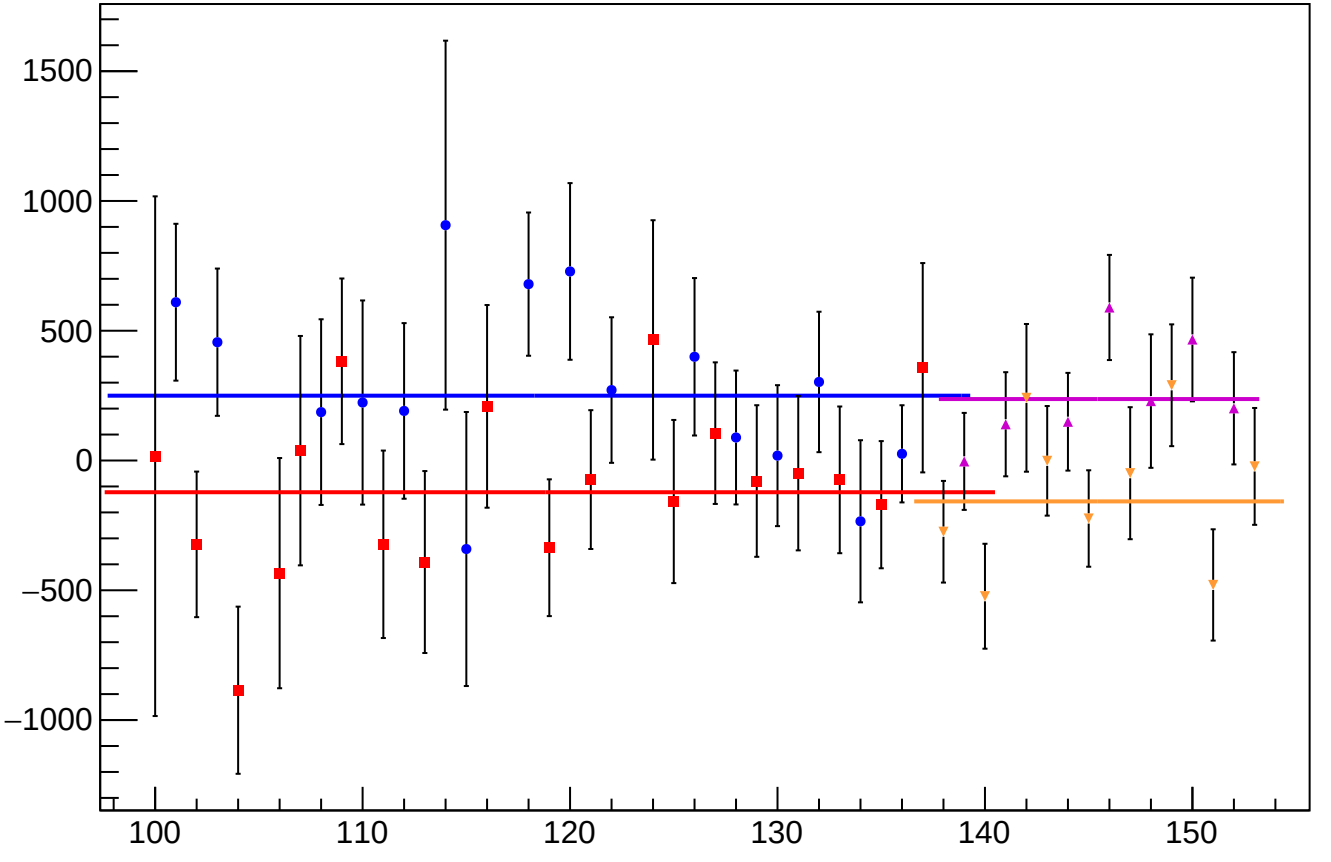
Left In: 1613.992+/-0.465 χ^2/NDF:151412.6/6

+ sign 1759.077+/-0.343 χ^2/NDF: 2057845.1/24

All: 1816.761+/-0.253 χ^2/NDF: 4055192.6/50

- sign 1885.809+/-0.375 χ^2/NDF: 1935242.6/25

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -157.567+/-72.665 χ^2/NDF:12.7/8

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

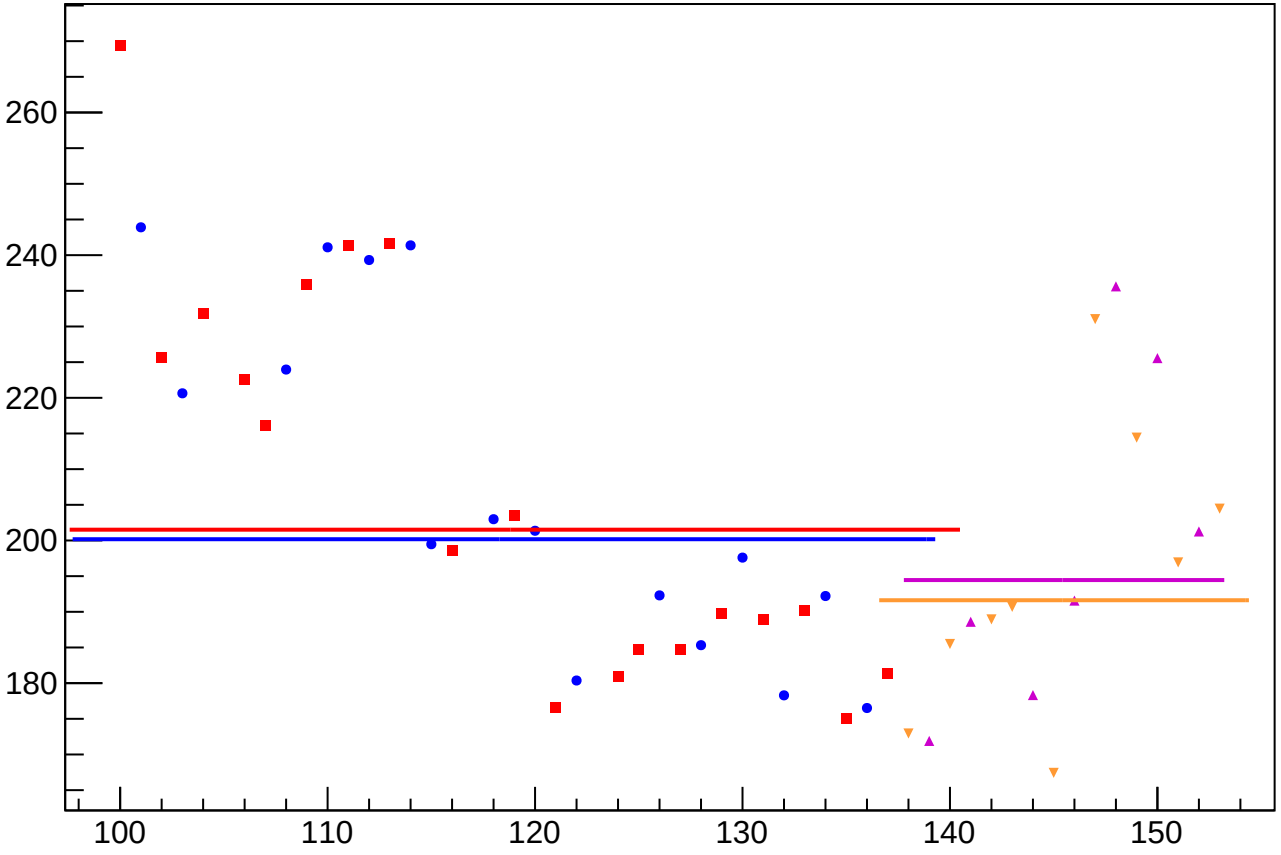
Left In: 236.777+/-79.011 χ^2/NDF:6.1/6

+ sign 39.992+/-52.146 χ^2/NDF: 41.7/24

All: 43.102+/-37.564 χ^2/NDF: 74.2/50

- sign 46.456+/-54.158 χ^2/NDF: 32.5/25

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 191.623+/-0.051 χ^2/NDF:128789.9/8

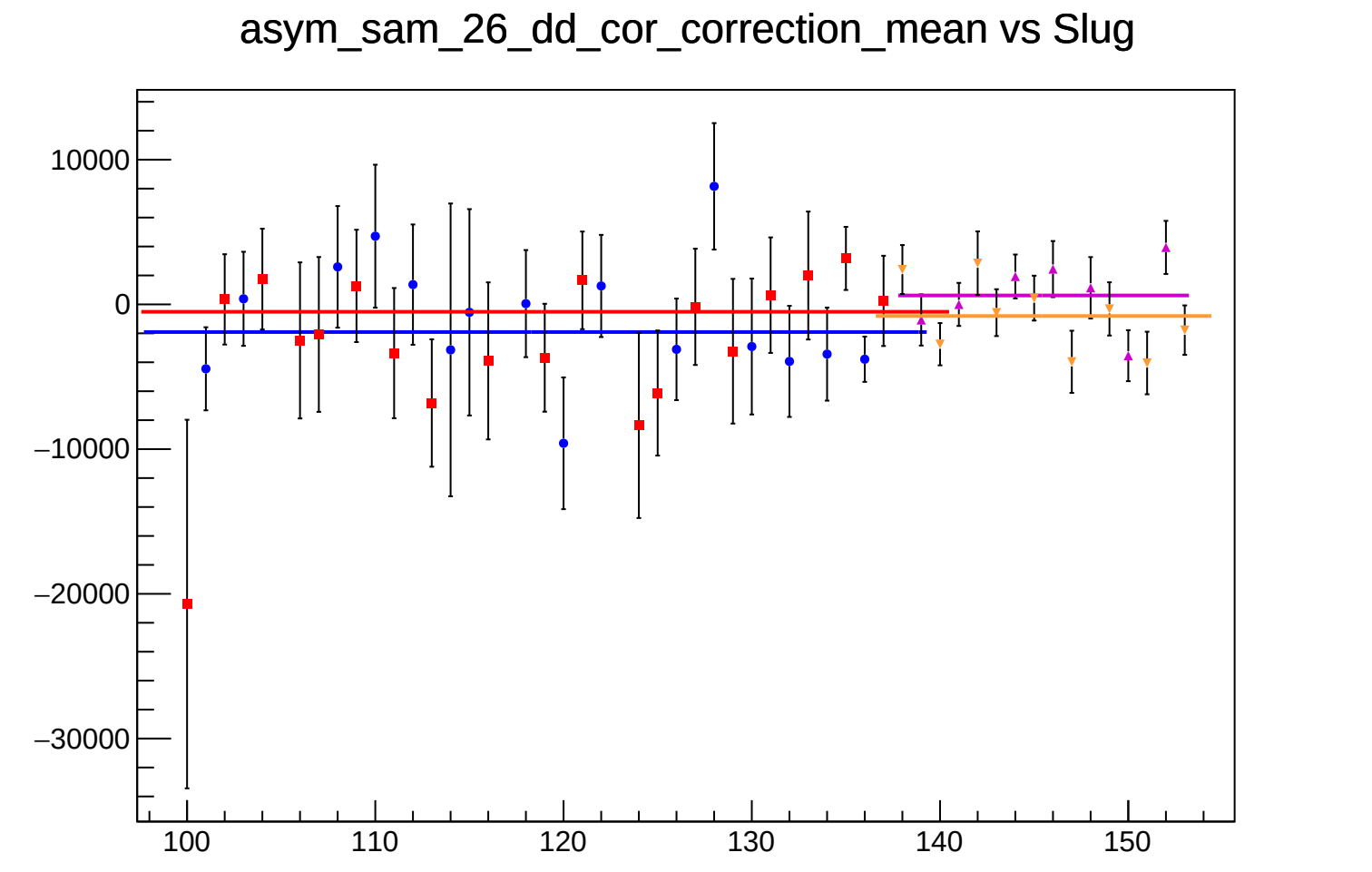
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 194.452+/-0.056 χ^2/NDF:133251.4/6

\+ sign 195.772+/-0.037 χ^2/NDF: 323232.5/24

All: 196.938+/-0.027 χ^2/NDF: 662466.0/50

\- sign 198.196+/-0.038 χ^2/NDF: 337153.8/25



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -802.662+/-587.955 χ^2/NDF:13.6/8

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

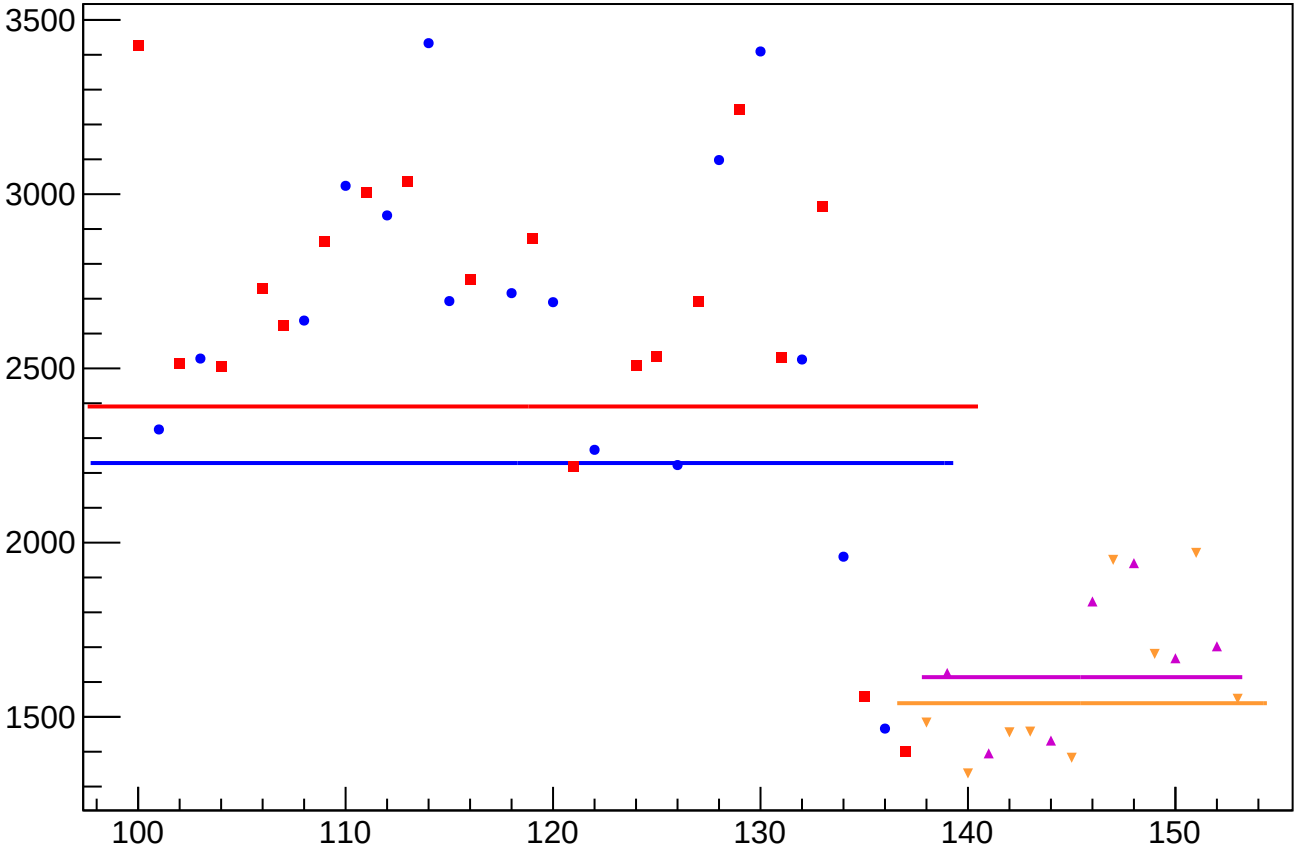
Left In: 617.369+/-657.201 χ^2/NDF:11.6/6

+ sign -1155.984+/-485.202 χ^2/NDF: 31.0/24

All: -527.369+/-358.240 χ^2/NDF: 61.6/50

- sign 225.993+/-531.168 χ^2/NDF: 26.9/25

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1539.232+/-0.416 χ^2/NDF:233592.2/8

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

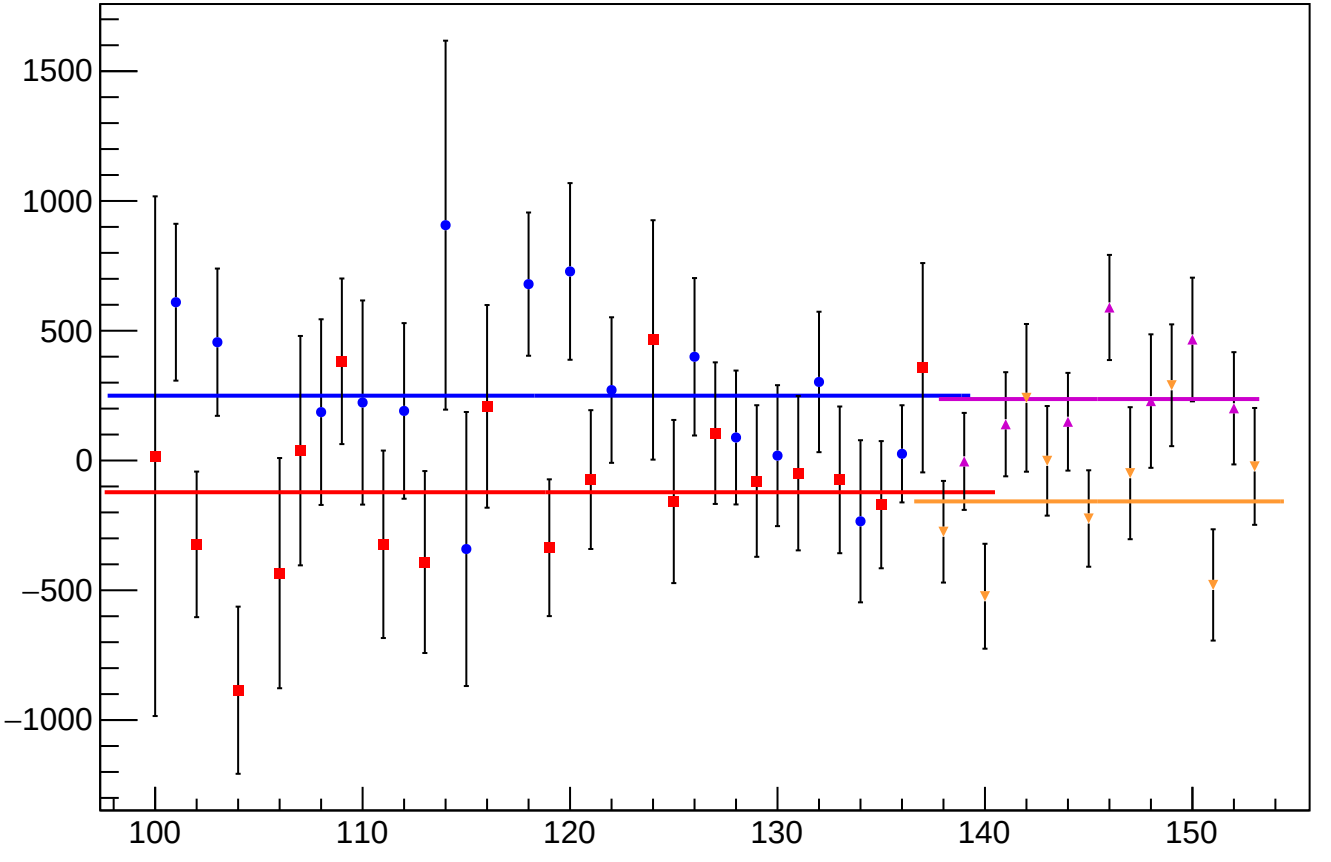
Left In: 1613.992+/-0.465 χ^2/NDF:151413.4/6

+ sign 1759.077+/-0.343 χ^2/NDF: 2057857.6/24

All: 1815.600+/-0.253 χ^2/NDF: 4027715.5/50

- sign 1883.340+/-0.376 χ^2/NDF: 1910188.8/25

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -157.567+/-72.665 χ^2/NDF:12.7/8

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

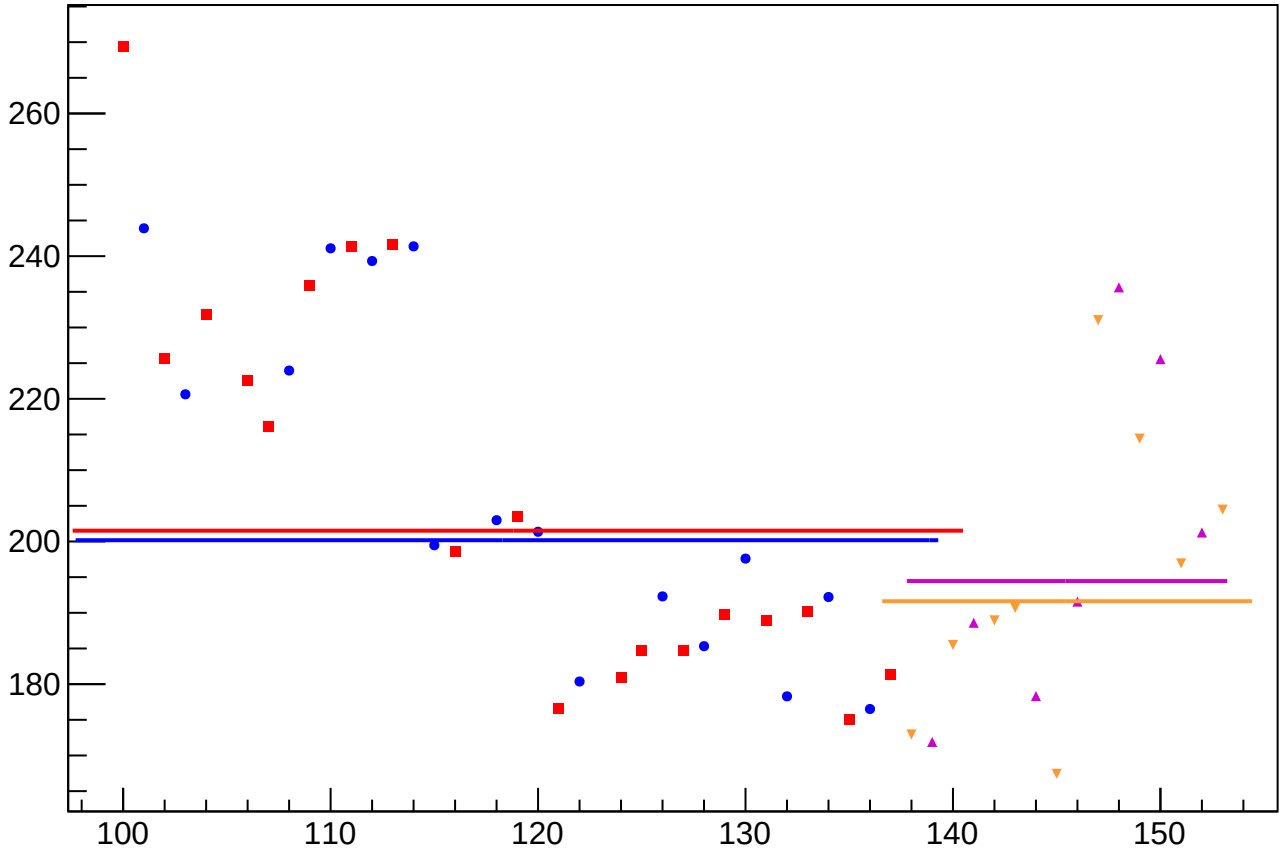
Left In: 236.777+/-79.011 χ^2/NDF:6.1/6

+ sign 39.992+/-52.146 χ^2/NDF: 41.7/24

All: 43.102+/-37.564 χ^2/NDF: 74.2/50

- sign 46.456+/-54.158 χ^2/NDF: 32.5/25

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 191.623+/-0.051 χ^2/NDF:128789.9/8

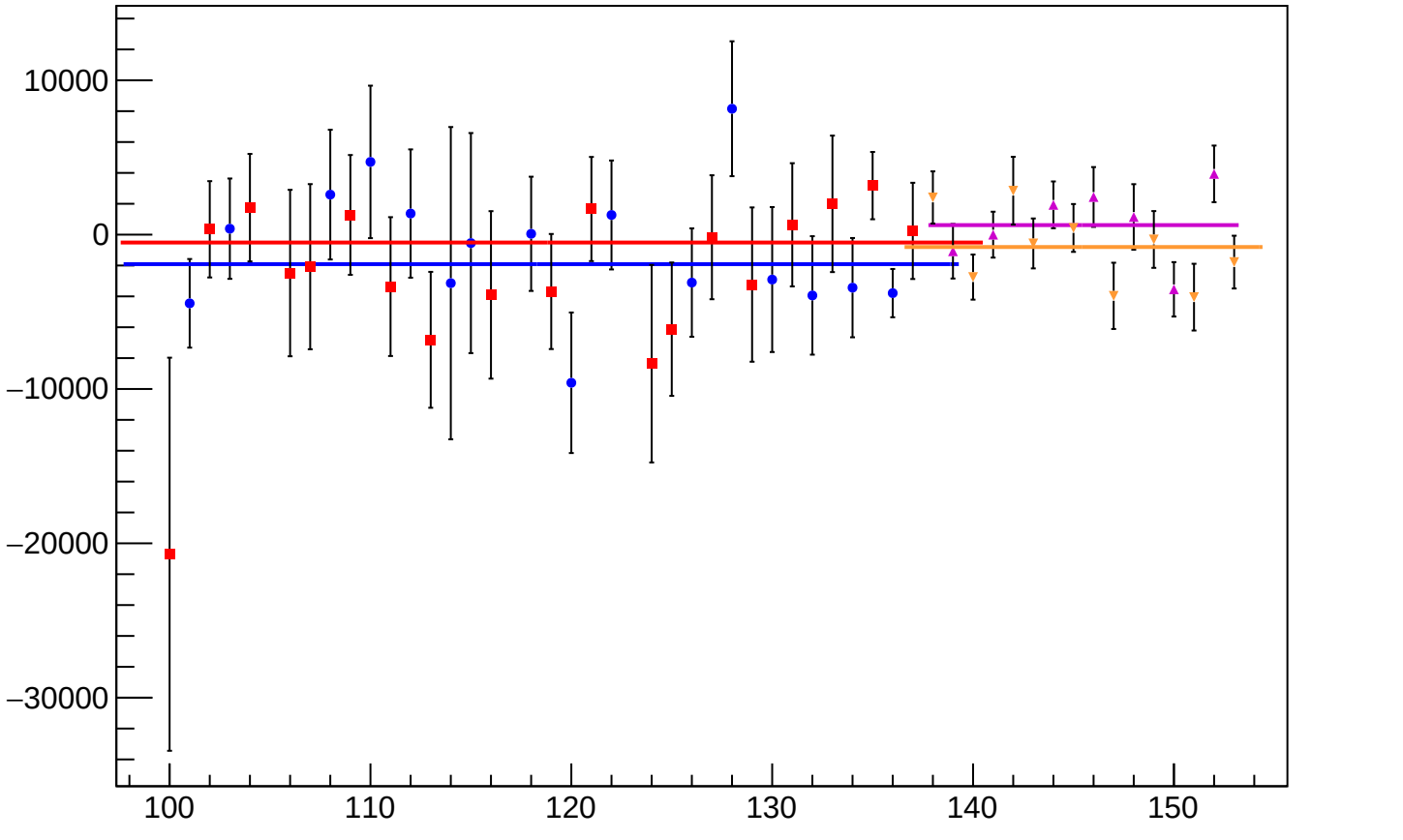
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 194.452+/-0.056 χ^2/NDF:133251.4/6

+ sign 195.772+/-0.037 χ^2/NDF: 323232.5/24

All: 196.938+/-0.027 χ^2/NDF: 662466.0/50

- sign 198.196+/-0.038 χ^2/NDF: 337153.8/25



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -802.662+/-587.955 χ^2/NDF:13.6/8

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

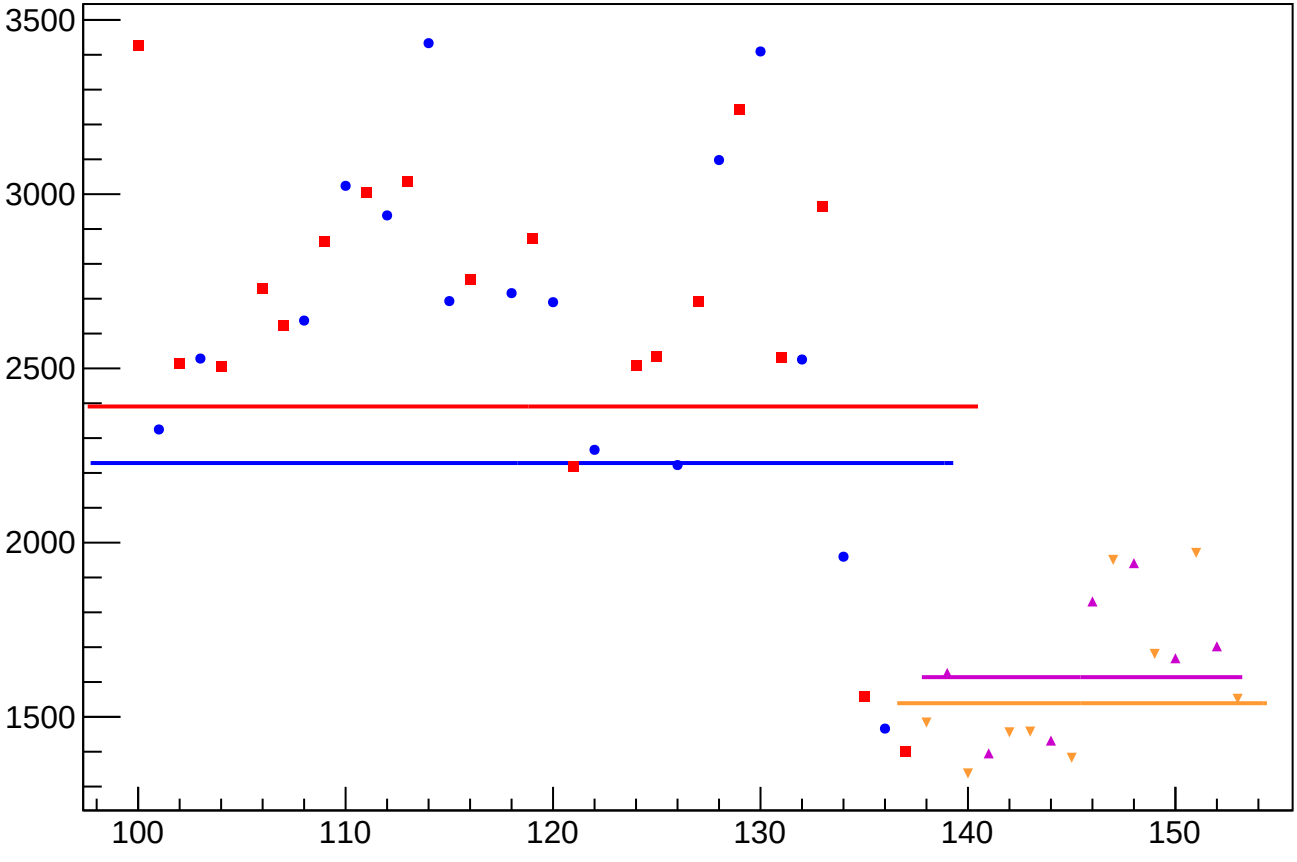
Left In: 617.369+/-657.201 χ^2/NDF:11.6/6

+ sign -1155.984+/-485.202 χ^2/NDF: 31.0/24

All: -527.369+/-358.240 χ^2/NDF: 61.6/50

- sign 225.993+/-531.168 χ^2/NDF: 26.9/25

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1539.232+/-0.416 χ^2/NDF:233592.2/8

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

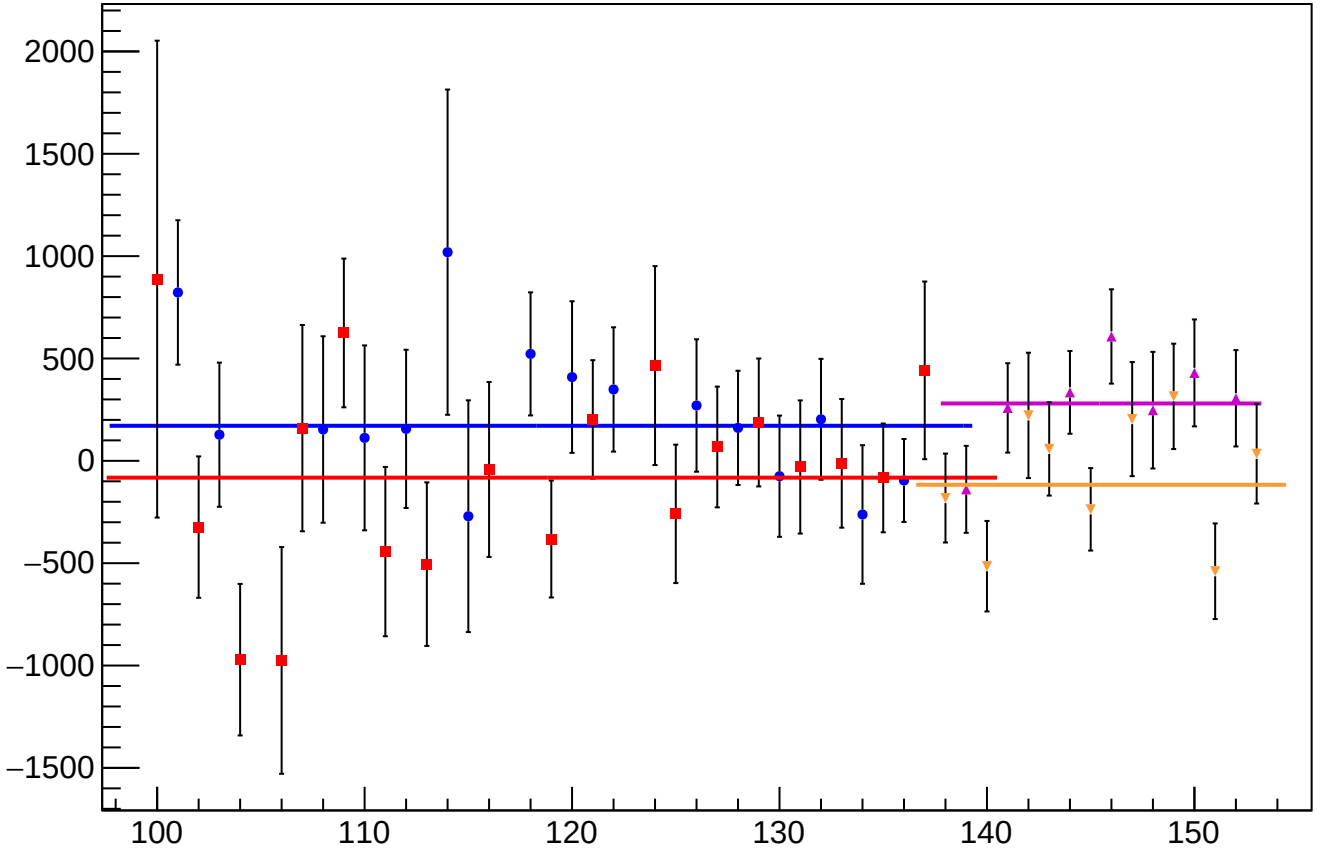
Left In: 1613.992+/-0.465 χ^2/NDF:151413.4/6

+ sign 1759.077+/-0.343 χ^2/NDF: 2057857.6/24

All: 1815.600+/-0.253 χ^2/NDF: 4027715.5/50

- sign 1883.340+/-0.376 χ^2/NDF: 1910188.8/25

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -116.978+/-79.202 χ^2/NDF:13.3/8

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

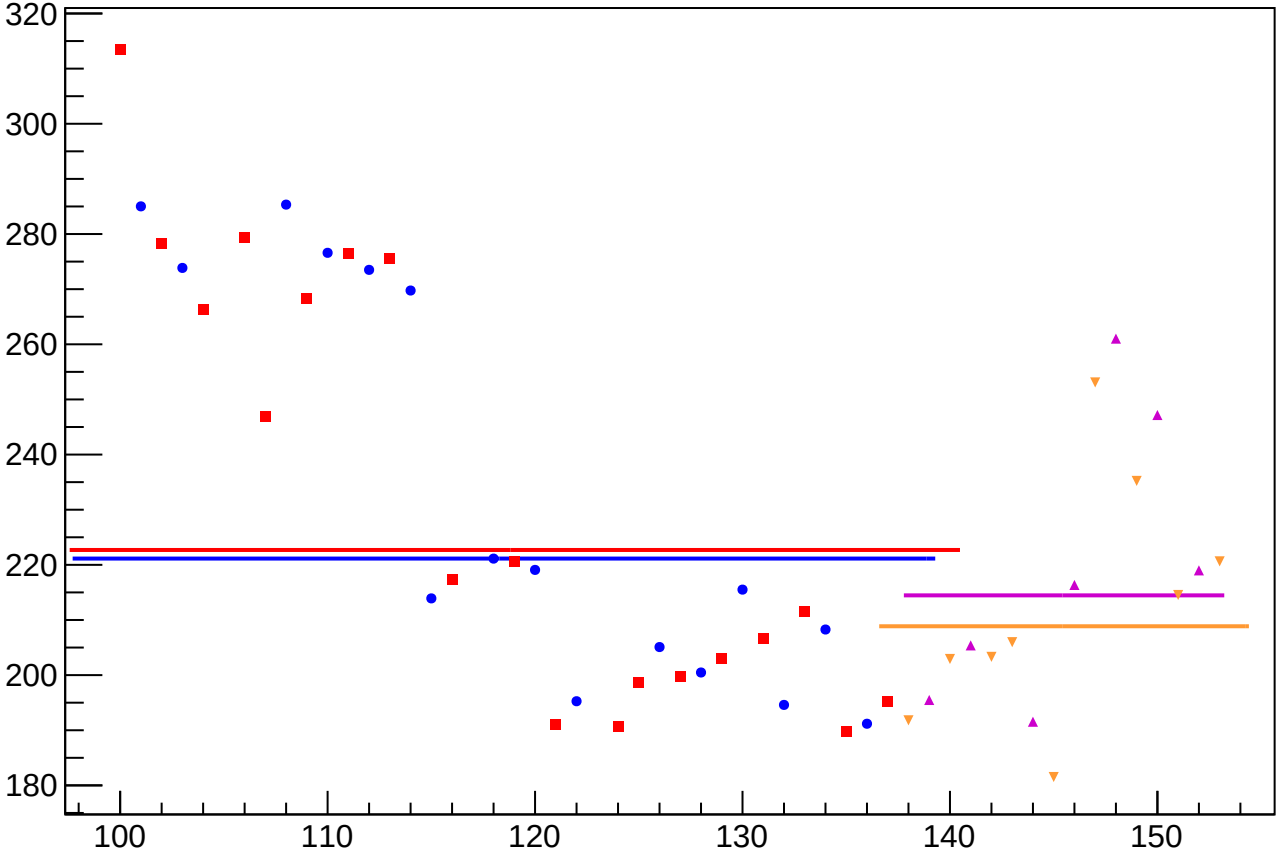
Left In: 280.227+/-87.217 χ^2/NDF:6.4/6

+ sign 20.195+/-57.338 χ^2/NDF: 31.1/24

All: 53.099+/-41.437 χ^2/NDF: 68.8/50

- sign 89.072+/-59.952 χ^2/NDF: 37.1/25

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 208.860+/-0.056 χ^2/NDF:128813.5/8

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

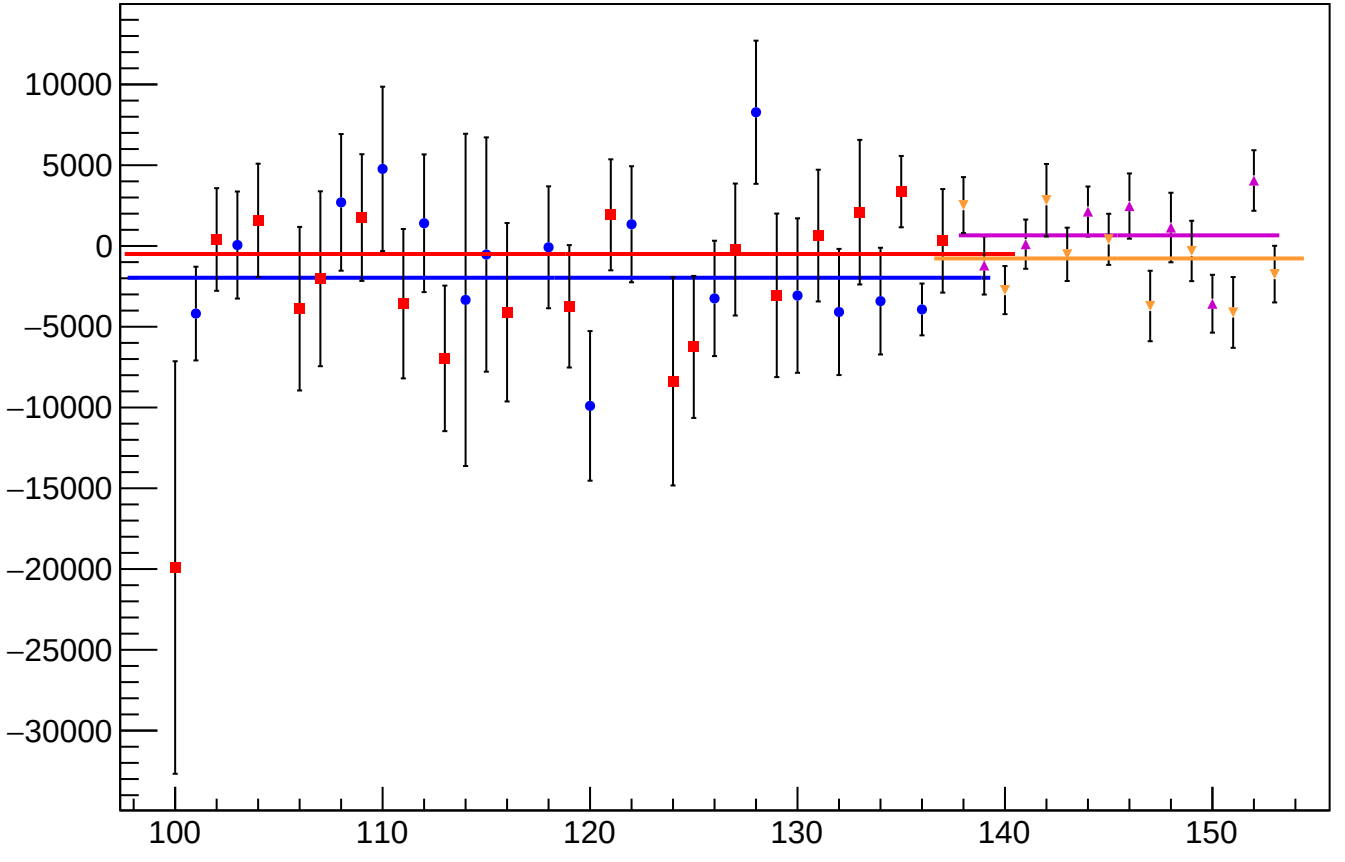
Left In: 214.465+/-0.062 χ^2/NDF:130789.6/6

+ sign 214.704+/-0.041 χ^2/NDF: 470391.9/24

All: 216.664+/-0.029 χ^2/NDF: 942507.1/50

- sign 218.808+/-0.042 χ^2/NDF: 467220.5/25

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -771.987+/-599.873 χ^2/NDF:13.0/8

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

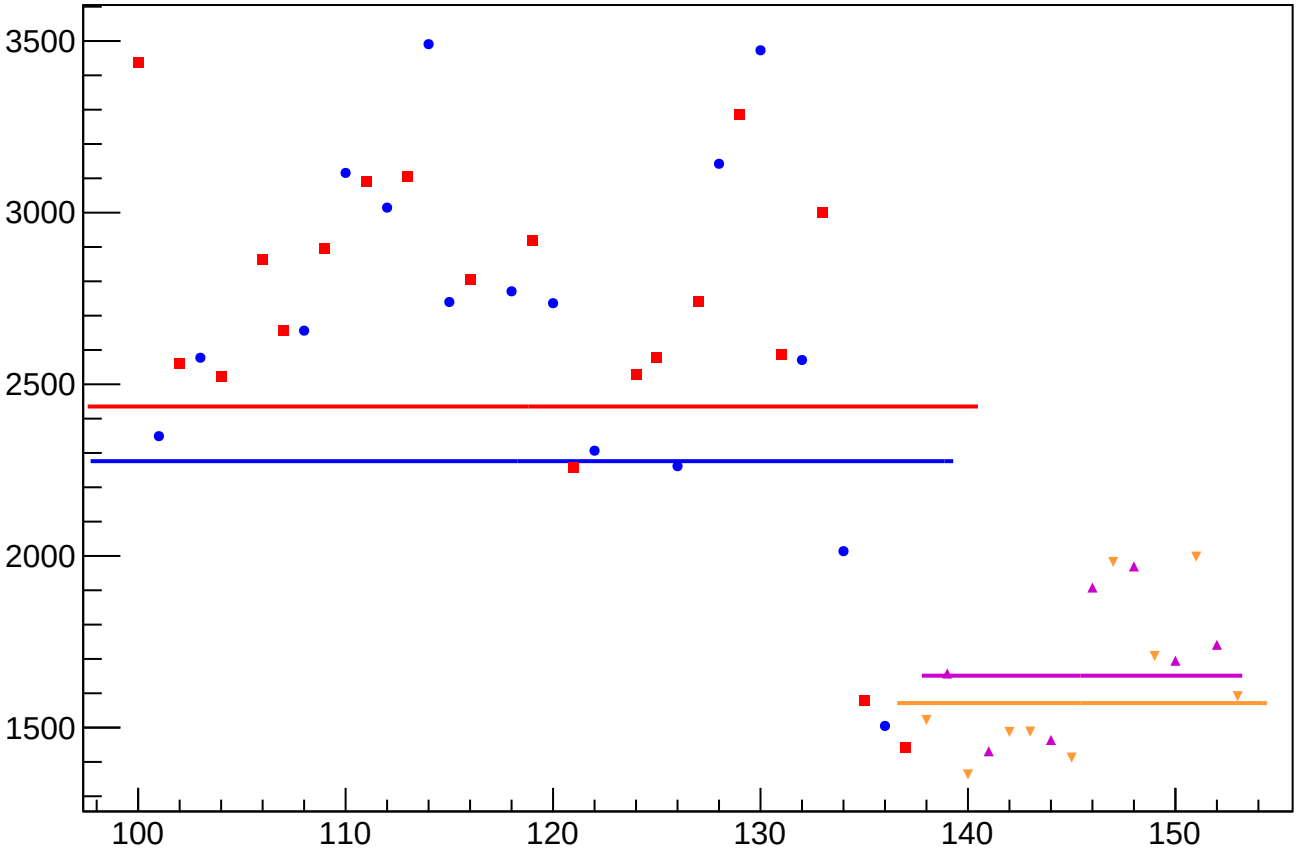
Left In: 657.731+/-672.333 χ^2/NDF:11.8/6

+ sign -1153.246+/-495.056 χ^2/NDF: 30.5/24

All: -513.490+/-365.451 χ^2/NDF: 61.8/50

- sign 252.629+/-541.746 χ^2/NDF: 27.6/25

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1571.411+/-0.424 χ^2/NDF:226455.7/8

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

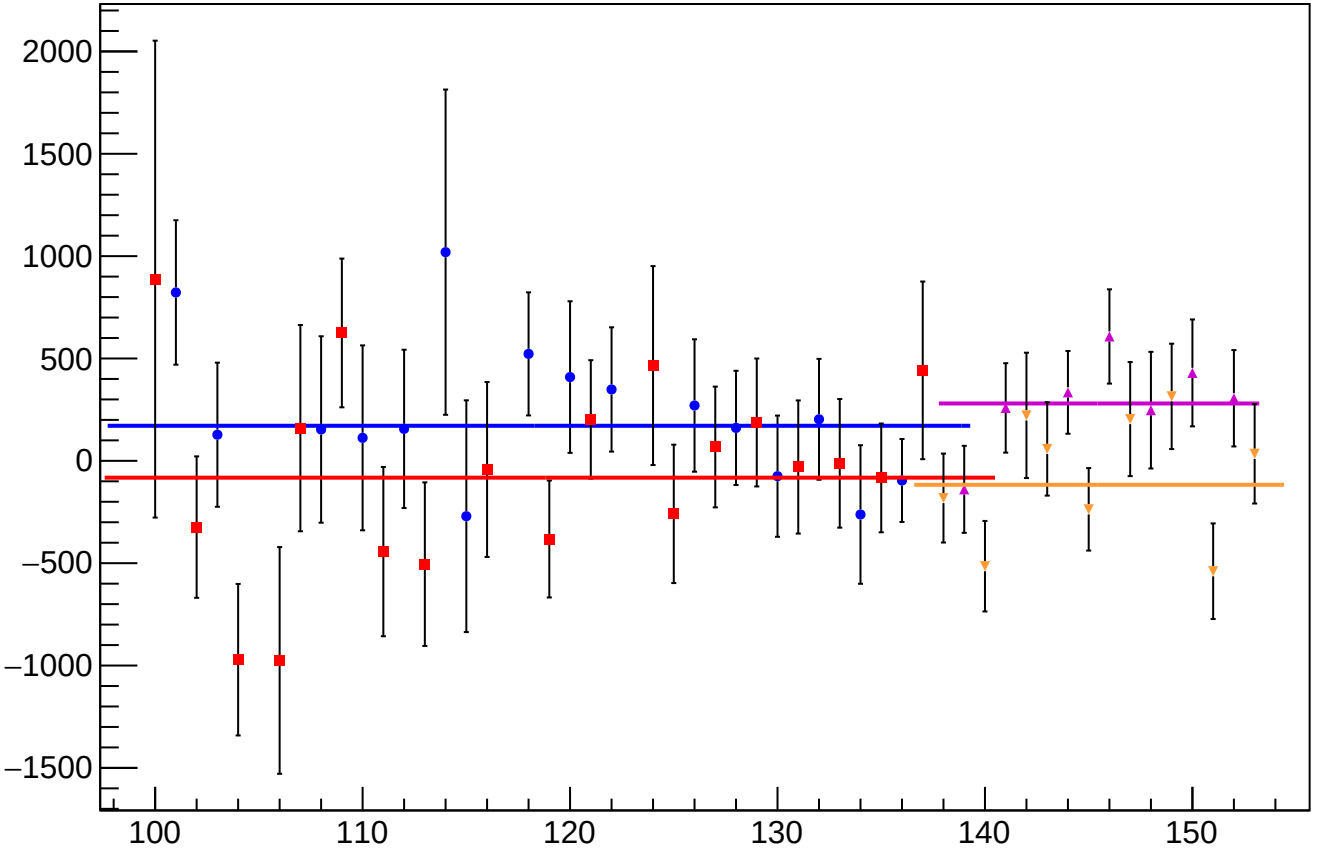
Left In: 1651.263+/-0.475 χ^2/NDF:152759.6/6

+ sign 1796.169+/-0.350 χ^2/NDF: 2033770.2/24

All: 1855.373+/-0.258 χ^2/NDF: 3994955.8/50

- sign 1926.271+/-0.383 χ^2/NDF: 1898328.4/25

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -116.981+/-79.202 χ^2/NDF:13.3/8

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

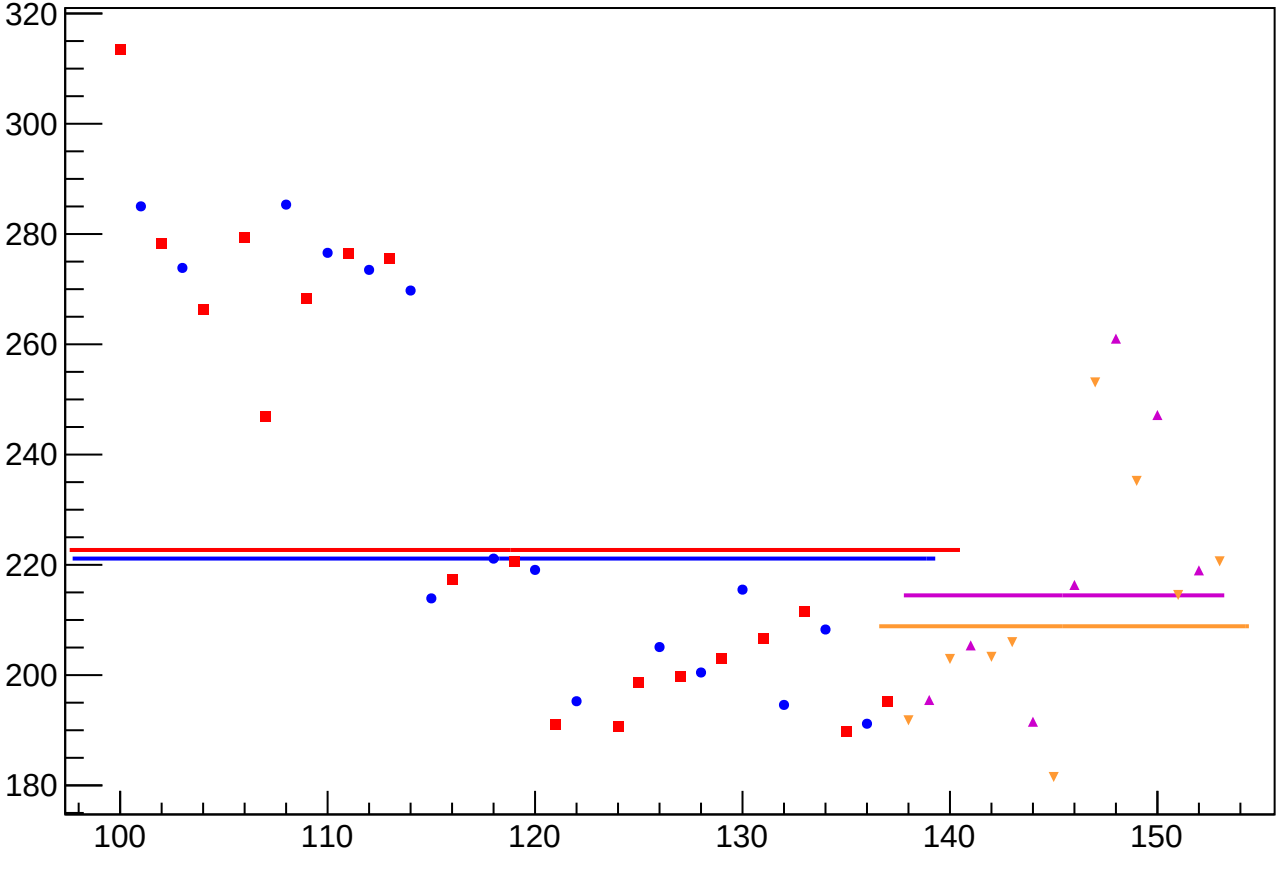
Left In: 280.228+/-87.217 χ^2/NDF:6.4/6

+ sign 20.195+/-57.338 χ^2/NDF: 31.1/24

All: 53.100+/-41.437 χ^2/NDF: 68.8/50

- sign 89.073+/-59.952 χ^2/NDF: 37.1/25

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 208.860+/-0.056 χ^2/NDF:128816.8/8

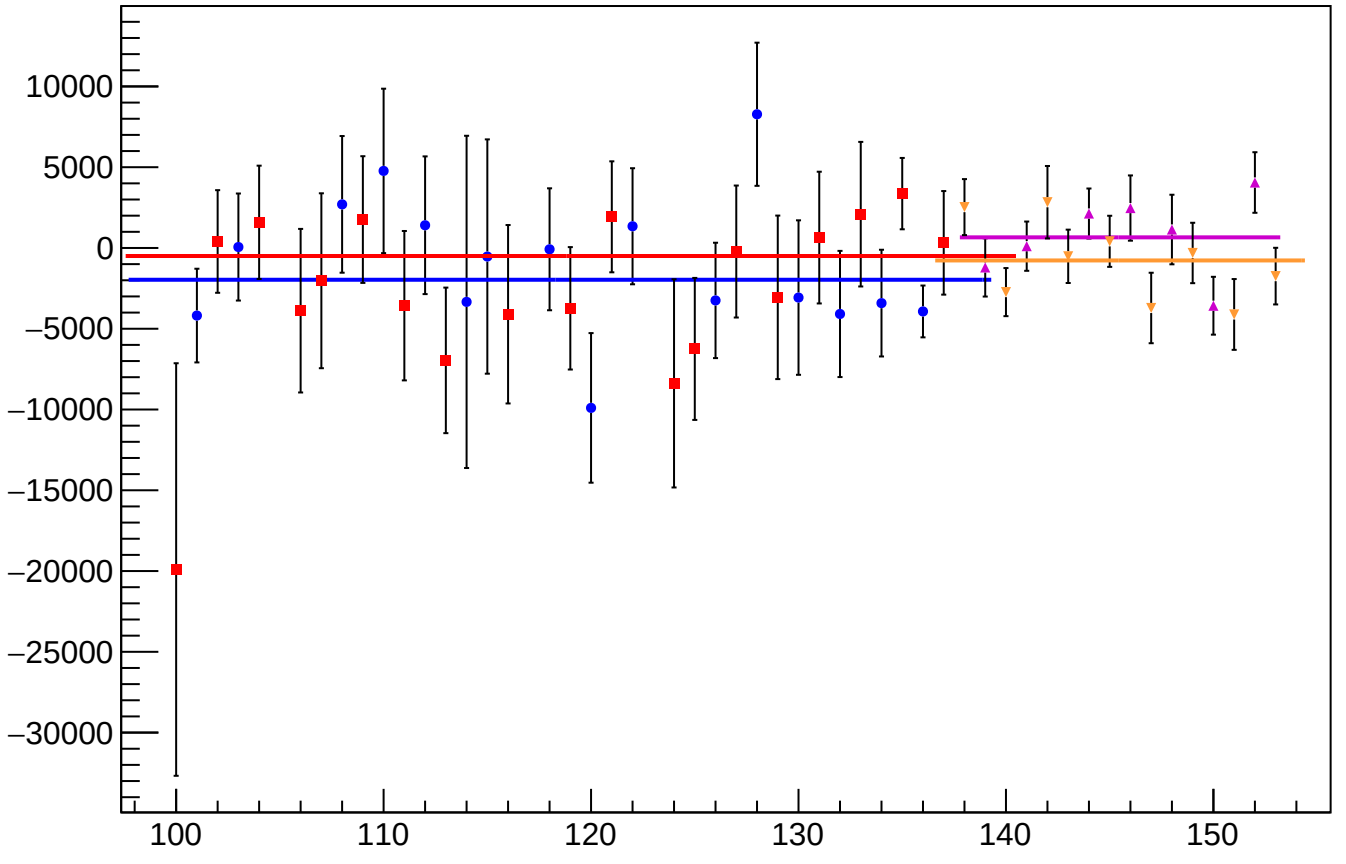
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 214.465+/-0.062 χ^2/NDF:130791.2/6

+ sign 214.703+/-0.041 χ^2/NDF: 470386.5/24

All: 216.664+/-0.029 χ^2/NDF: 942494.8/50

- sign 218.807+/-0.042 χ^2/NDF: 467213.4/25



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -771.988+/-599.872 χ^2/NDF:13.0/8

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

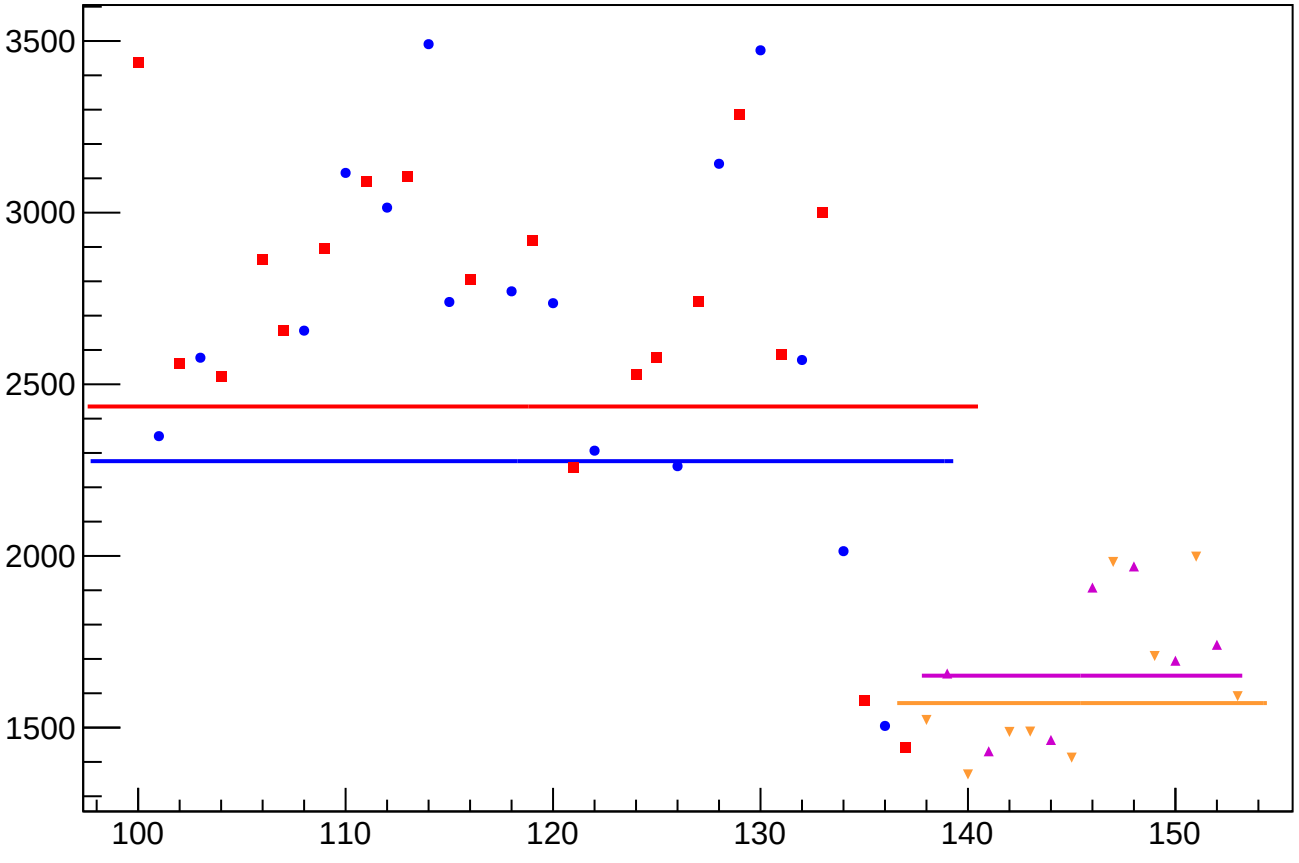
Left In: 657.729+/-672.333 χ^2/NDF:11.8/6

+ sign -1153.245+/-495.056 χ^2/NDF: 30.5/24

All: -513.491+/-365.451 χ^2/NDF: 61.8/50

- sign 252.626+/-541.745 χ^2/NDF: 27.6/25

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1571.410+/-0.424 χ^2/NDF:226457.0/8

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

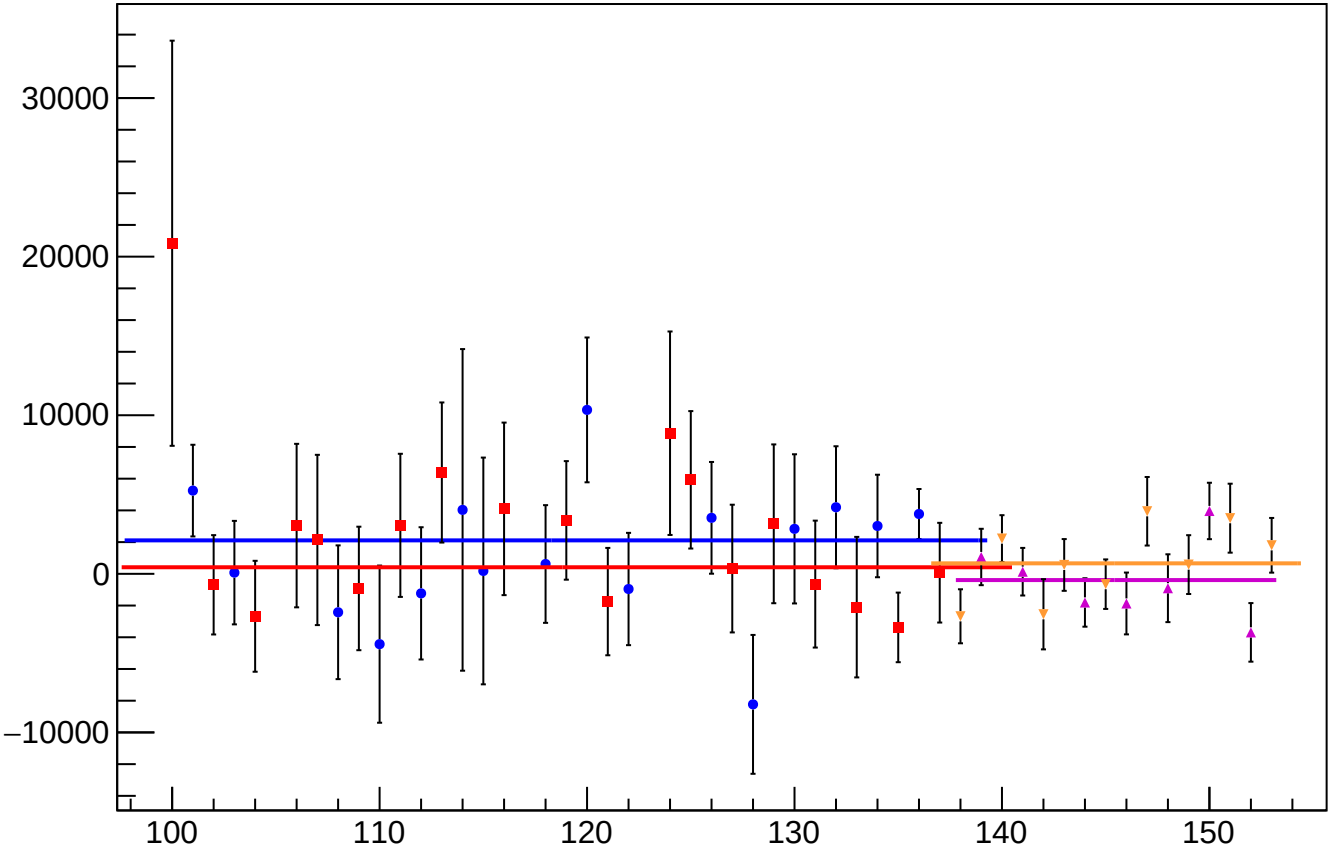
Left In: 1651.262+/-0.475 χ^2/NDF:152759.4/6

+ sign 1796.168+/-0.350 χ^2/NDF: 2033759.8/24

All: 1855.371+/-0.258 χ^2/NDF: 3994934.7/50

- sign 1926.269+/-0.383 χ^2/NDF: 1898317.6/25

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 661.190+/-592.691 χ^2/NDF:12.2/8

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

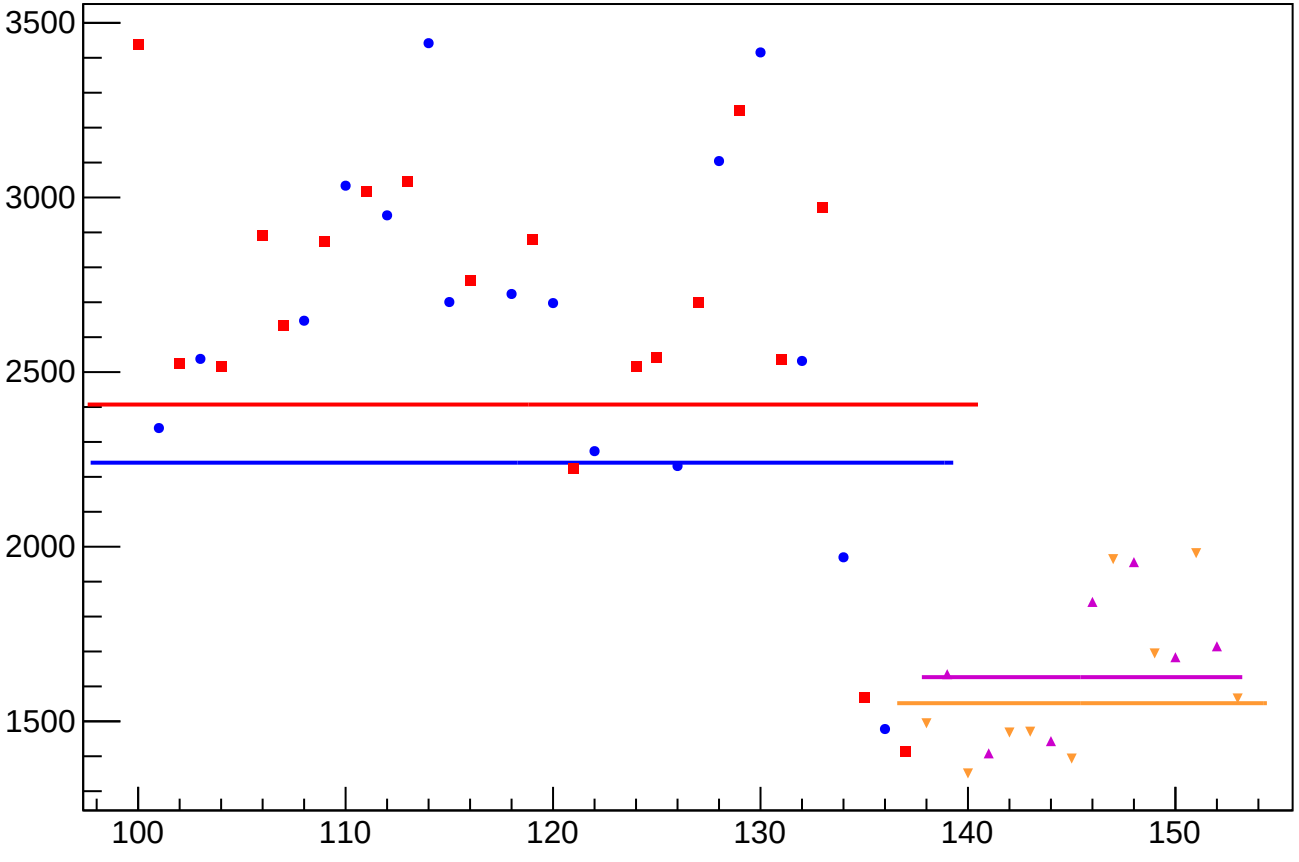
Left In: -393.797+/-662.214 χ^2/NDF:11.5/6

+ sign 1125.170+/-488.619 χ^2/NDF: 30.8/24

All: 561.800+/-360.576 χ^2/NDF: 60.3/50

- sign -111.835+/-534.301 χ^2/NDF: 26.6/25

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1551.945+/-0.419 χ^2/NDF:230772.4/8

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

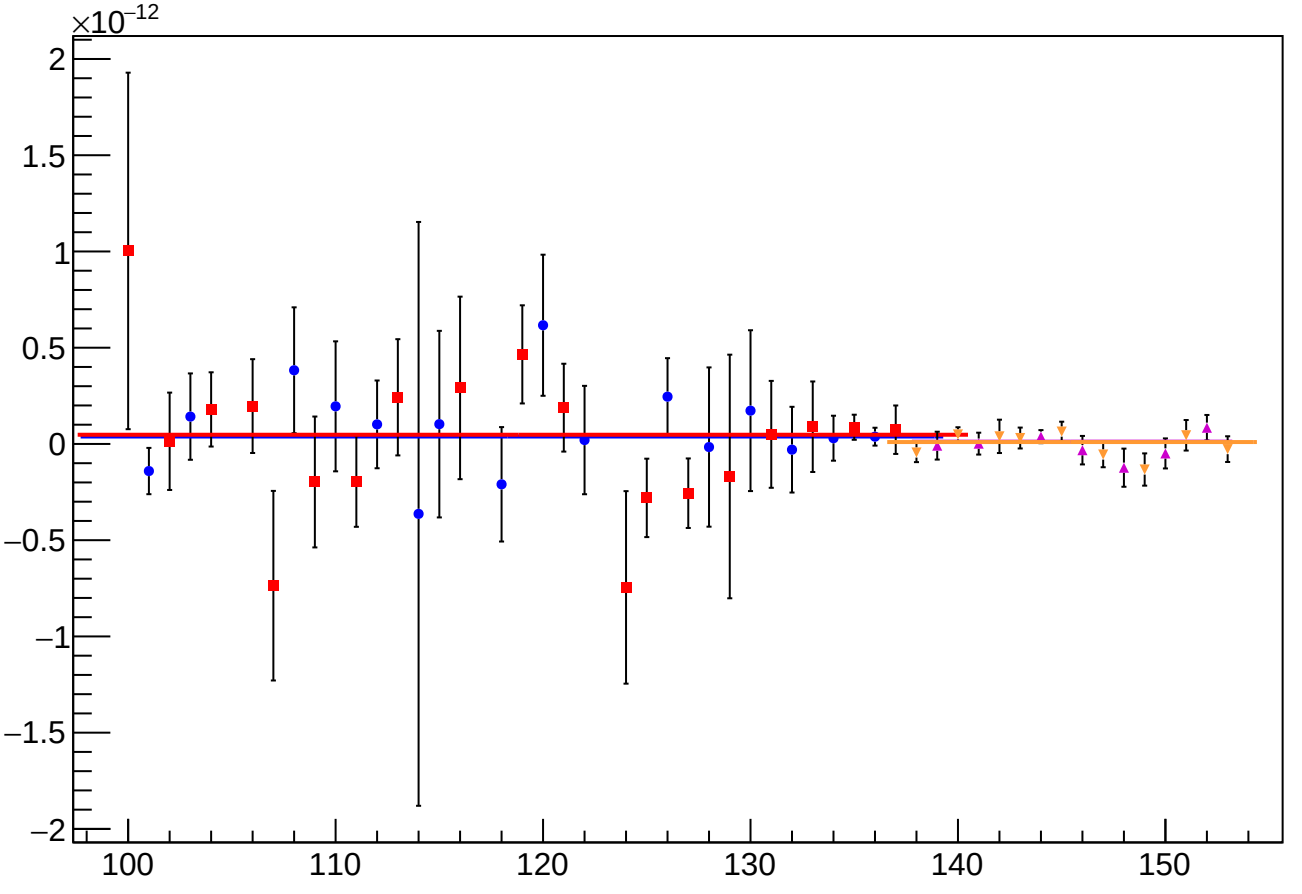
Left In: 1626.526+/-0.468 χ^2/NDF:149602.0/6

+ sign 1772.565+/-0.346 χ^2/NDF: 2029404.5/24

All: 1830.130+/-0.255 χ^2/NDF: 3998830.8/50

- sign 1898.962+/-0.378 χ^2/NDF: 1908474.3/25

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/8

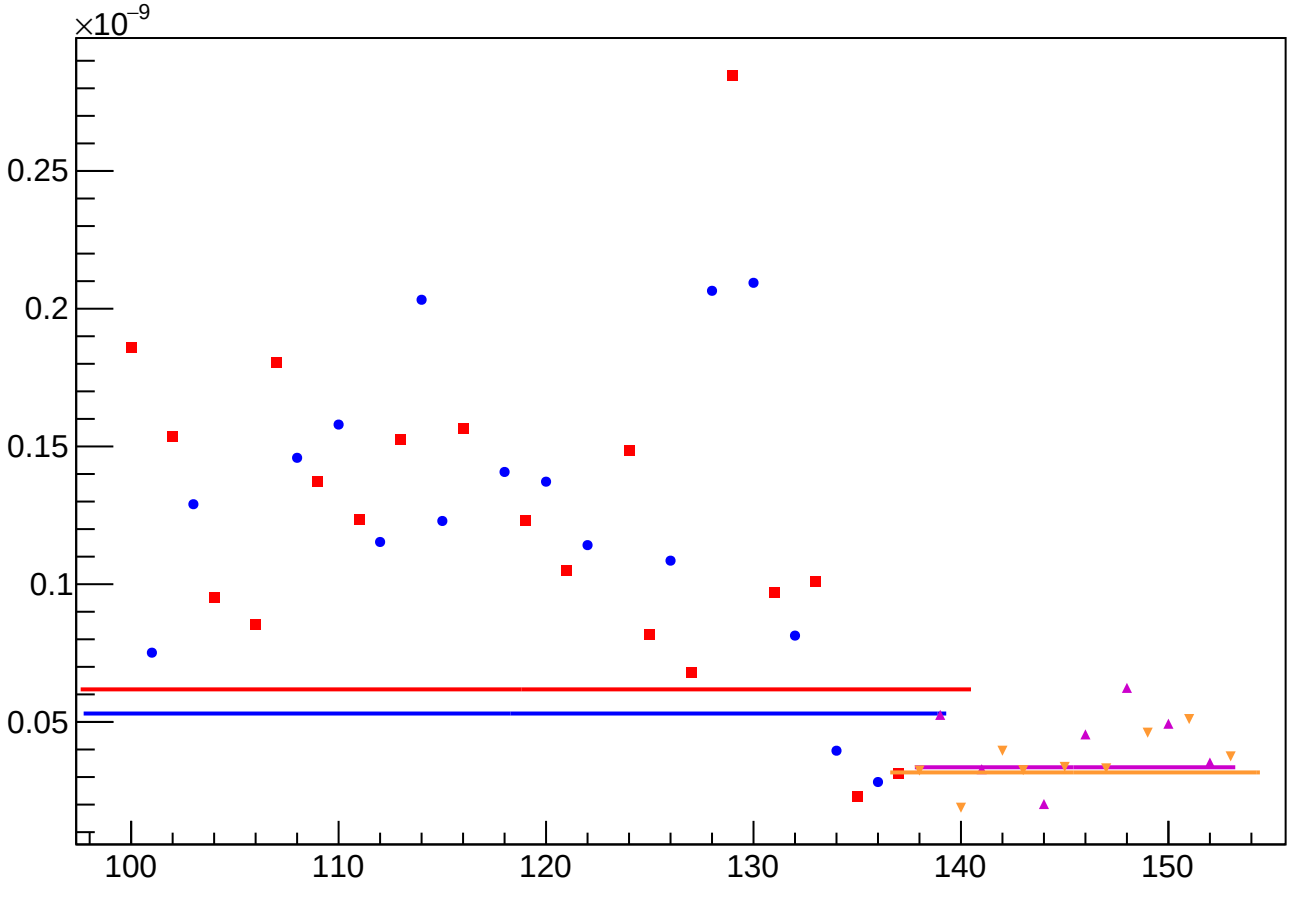
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 16.9/24

All: 0.000+/-0.000 χ^2/NDF: 40.5/50

- sign 0.000+/-0.000 χ^2/NDF: 23.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:449016.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

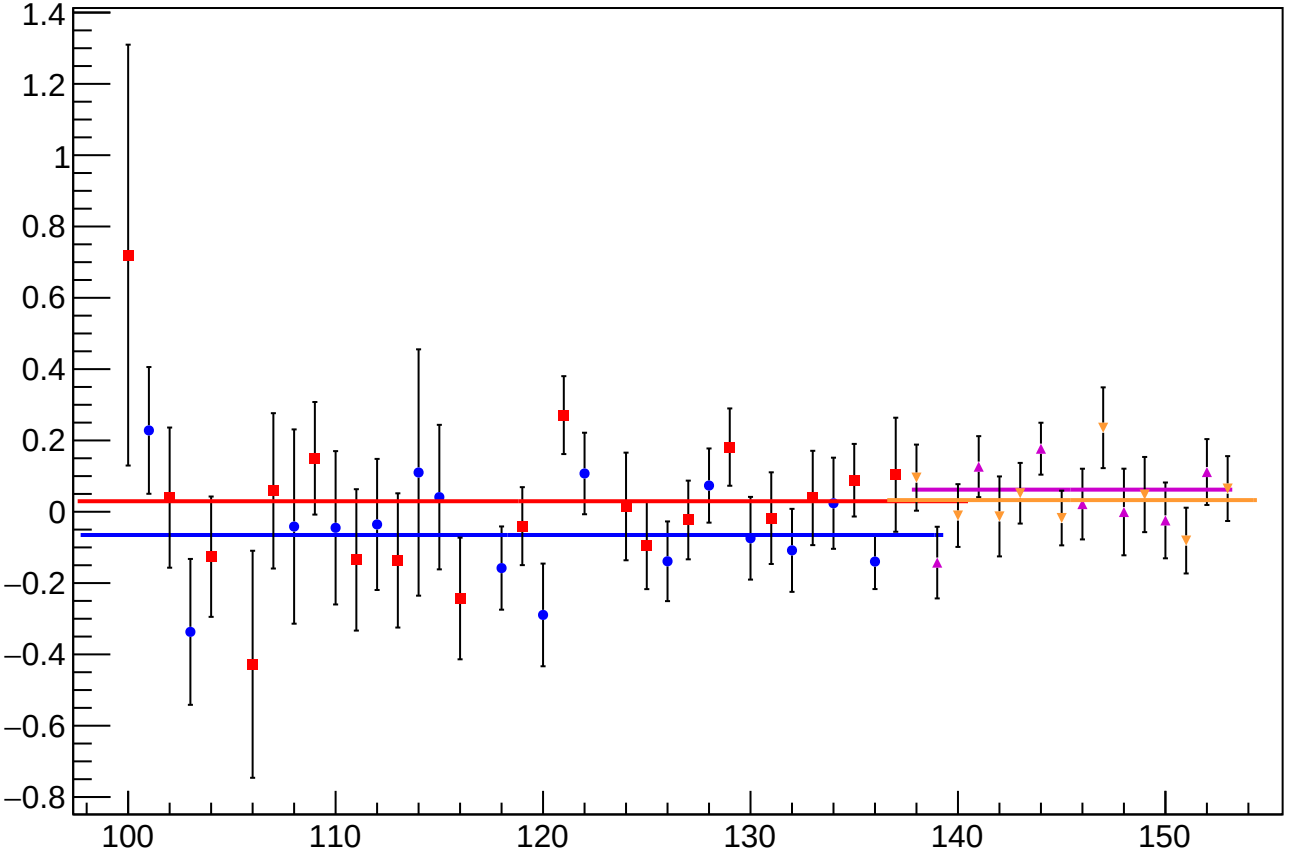
Left In: 0.000+/-0.000 χ^2/NDF:750679.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3566539.3/24

All: 0.000+/-0.000 χ^2/NDF: 7436098.8/50

- sign 0.000+/-0.000 χ^2/NDF: 3841812.9/25

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.031 χ^2/NDF:6.2/8

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

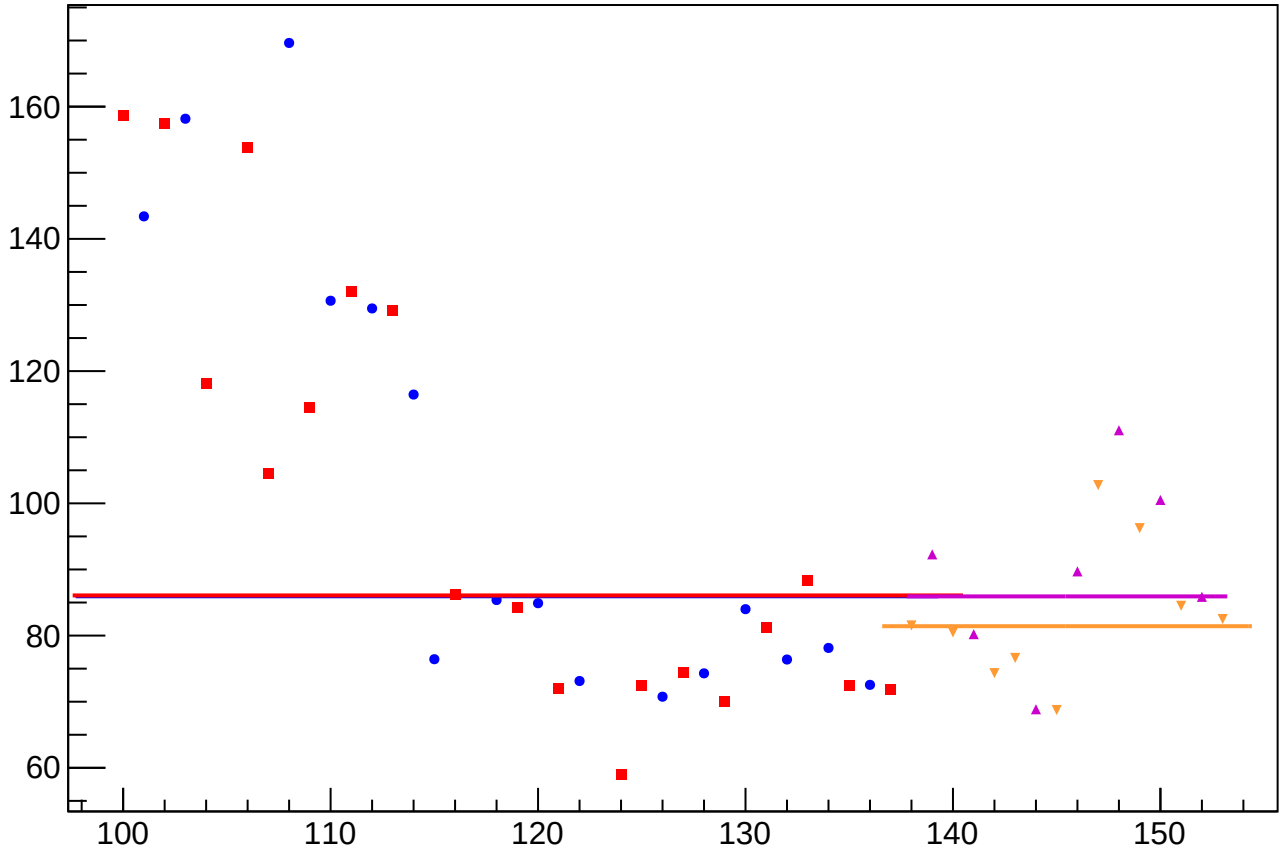
Left In: 0.062+/-0.035 χ^2/NDF:8.6/6

+ sign -0.013+/-0.023 χ^2/NDF: 25.0/24

All: 0.014+/-0.017 χ^2/NDF: 55.1/50

- sign 0.045+/-0.024 χ^2/NDF: 27.1/25

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.418+/-0.022 χ^2/NDF:182365.3/8

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

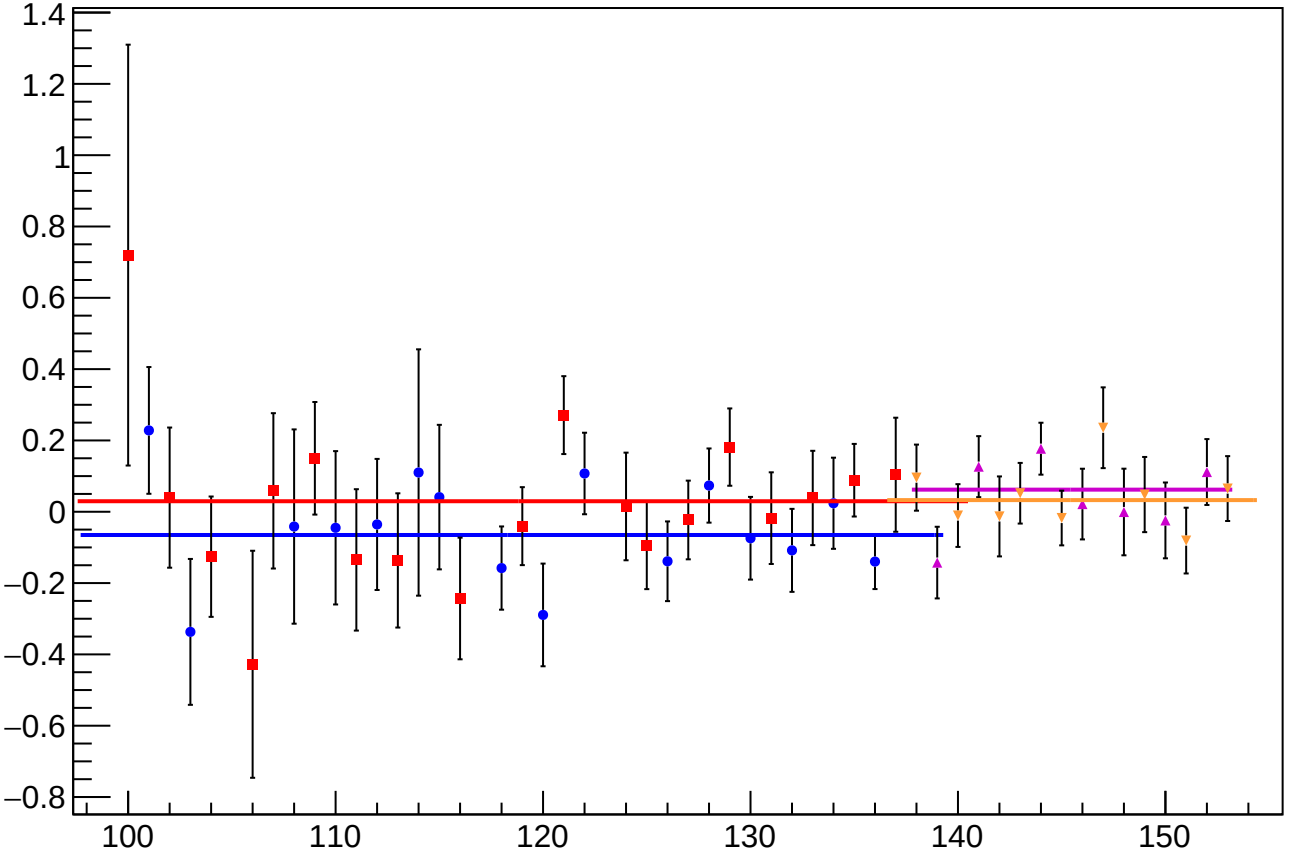
Left In: 85.929+/-0.025 χ^2/NDF:253036.2/6

+ sign 83.521+/-0.016 χ^2/NDF: 1237161.6/24

All: 84.688+/-0.012 χ^2/NDF: 2492850.6/50

- sign 86.006+/-0.017 χ^2/NDF: 1244425.4/25

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.031 χ^2/NDF:6.2/8

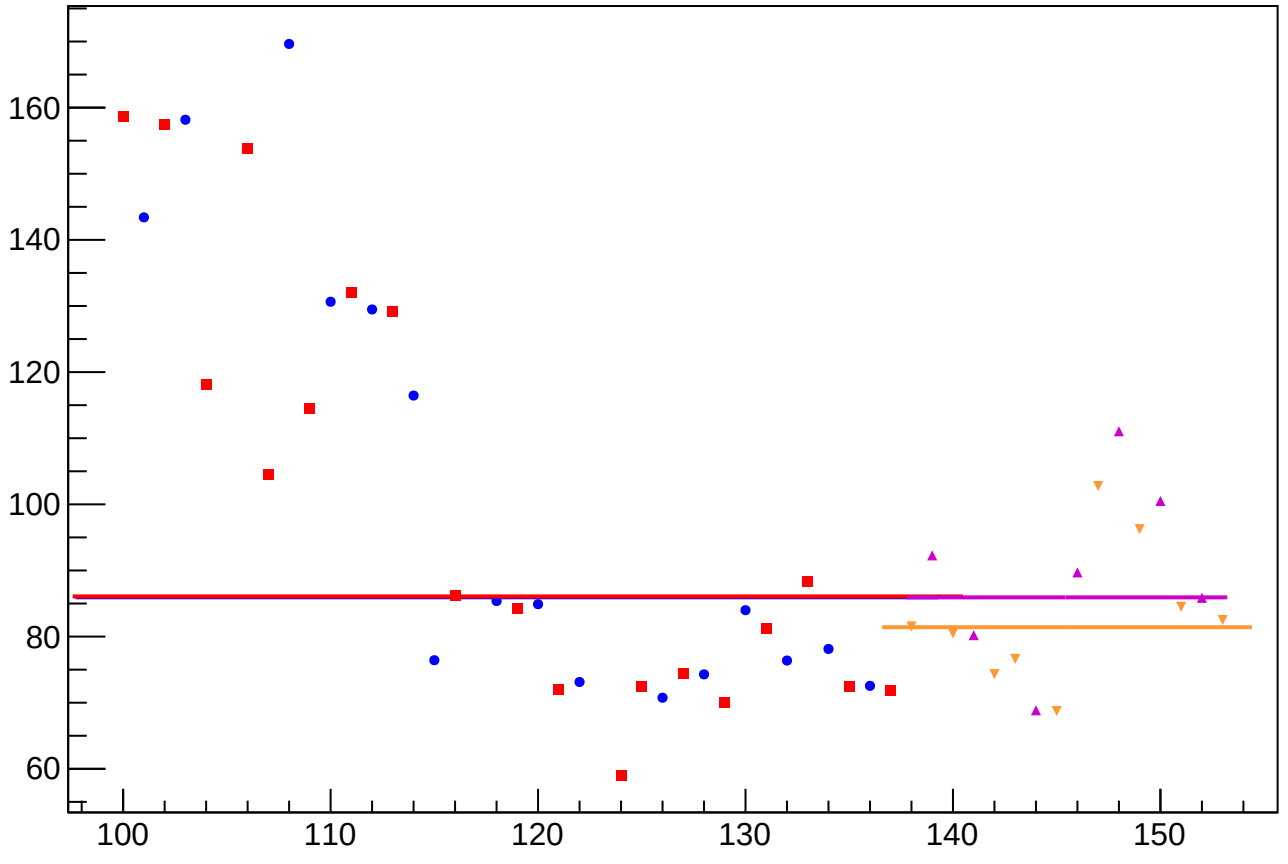
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.062+/-0.035 χ^2/NDF:8.6/6

+ sign -0.013+/-0.023 χ^2/NDF: 25.0/24

All: 0.014+/-0.017 χ^2/NDF: 55.1/50

- sign 0.045+/-0.024 χ^2/NDF: 27.1/25



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.418+/-0.022 χ^2/NDF:182365.3/8

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

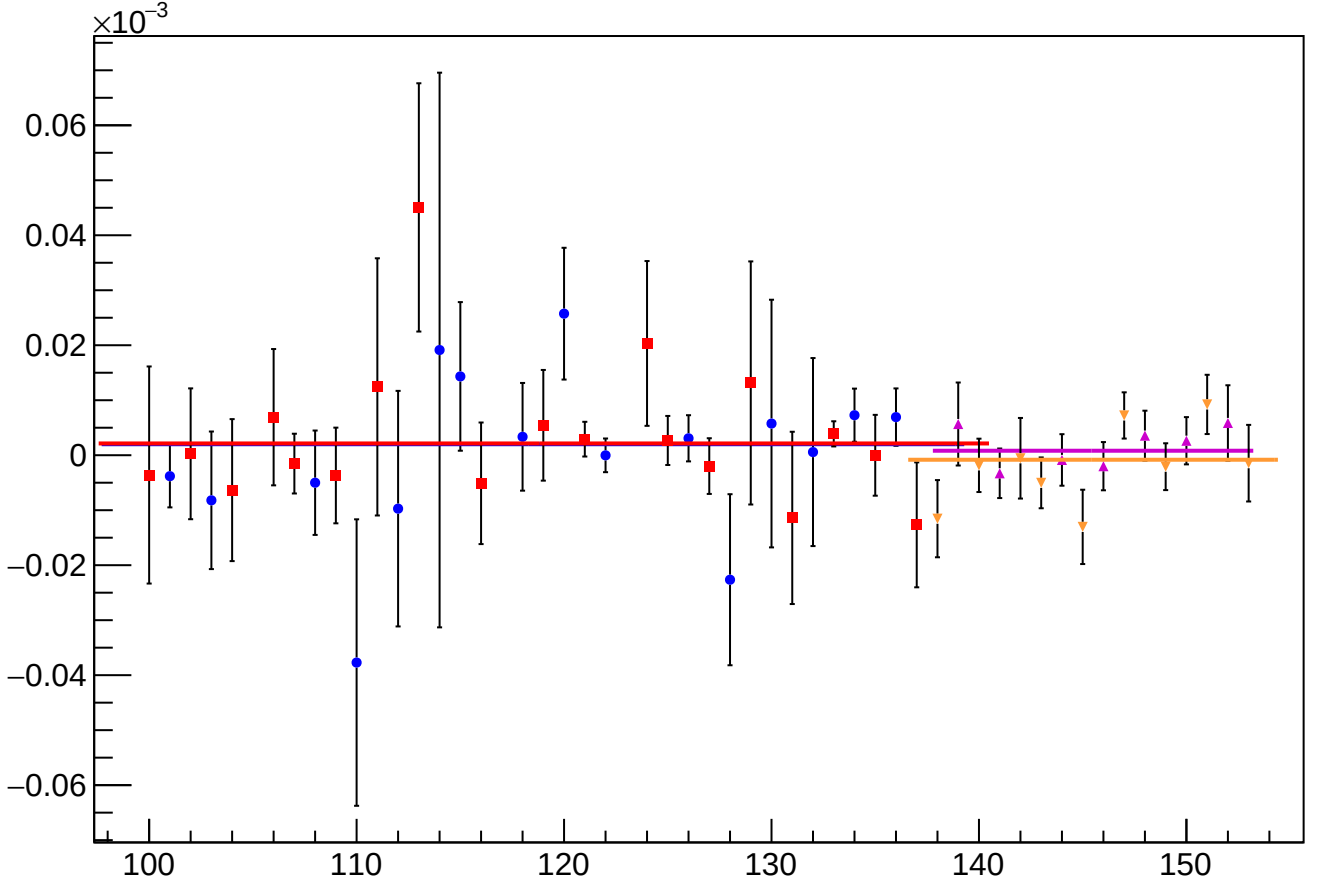
Left In: 85.929+/-0.025 χ^2/NDF:253036.2/6

+ sign 83.521+/-0.016 χ^2/NDF: 1237161.6/24

All: 84.688+/-0.012 χ^2/NDF: 2492850.6/50

- sign 86.006+/-0.017 χ^2/NDF: 1244425.4/25

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/8

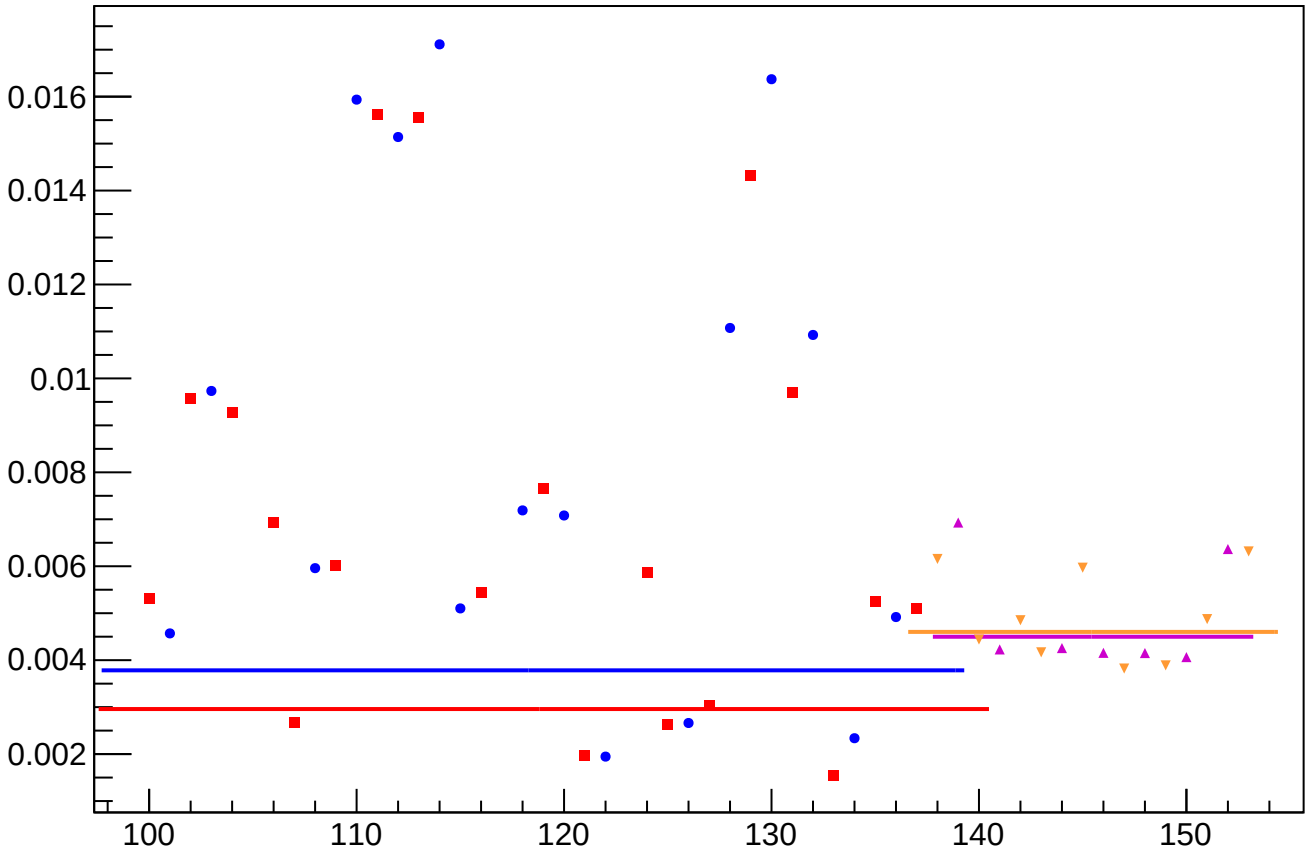
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 29.9/24

All: 0.000+/-0.000 χ^2/NDF: 45.0/50

- sign 0.000+/-0.000 χ^2/NDF: 14.7/25



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:453202.7/8

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

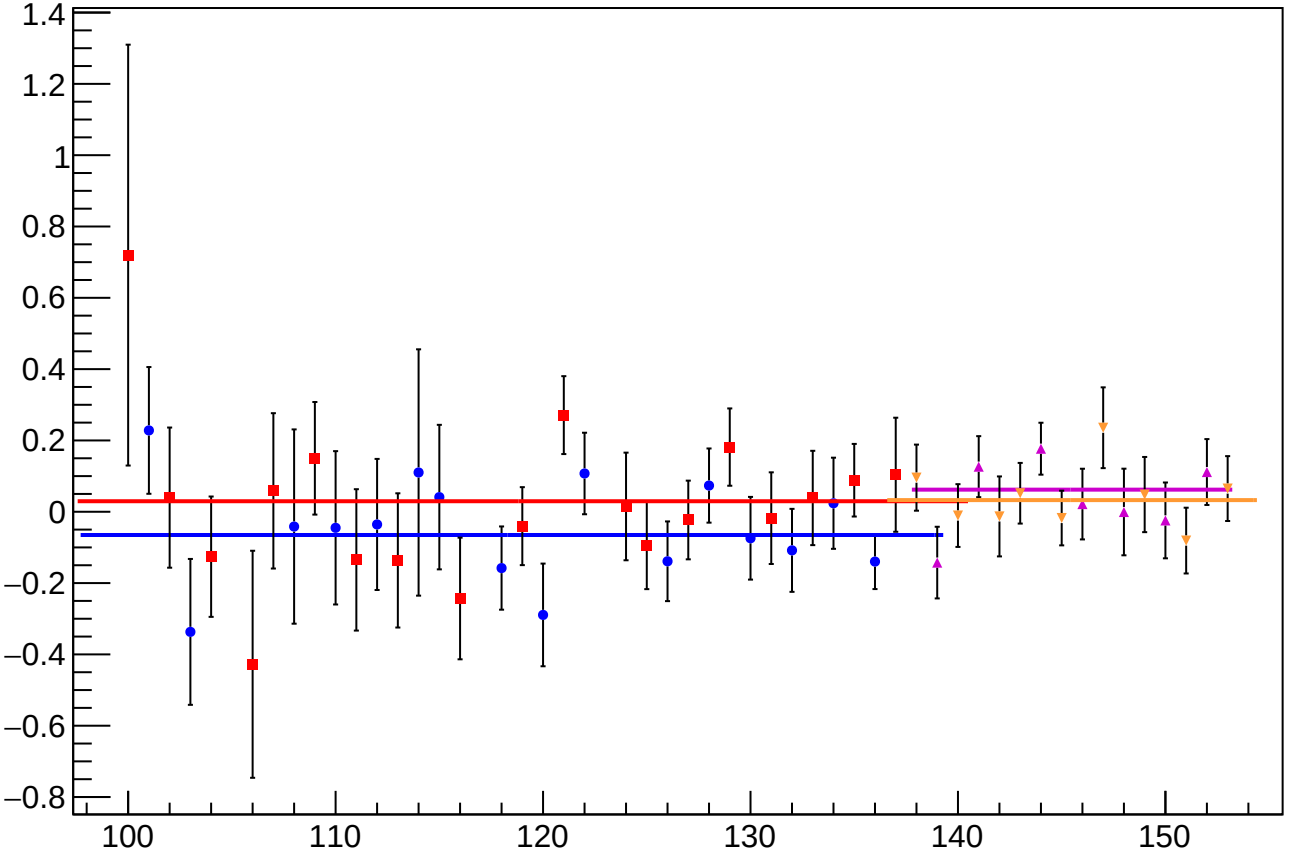
Left In: 0.004+/-0.000 χ^2/NDF:412922.1/6

+ sign 0.004+/-0.000 χ^2/NDF: 5363508.4/24

All: 0.004+/-0.000 χ^2/NDF: 12516613.6/50

- sign 0.004+/-0.000 χ^2/NDF: 6833583.6/25

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.031 χ^2/NDF:6.2/8

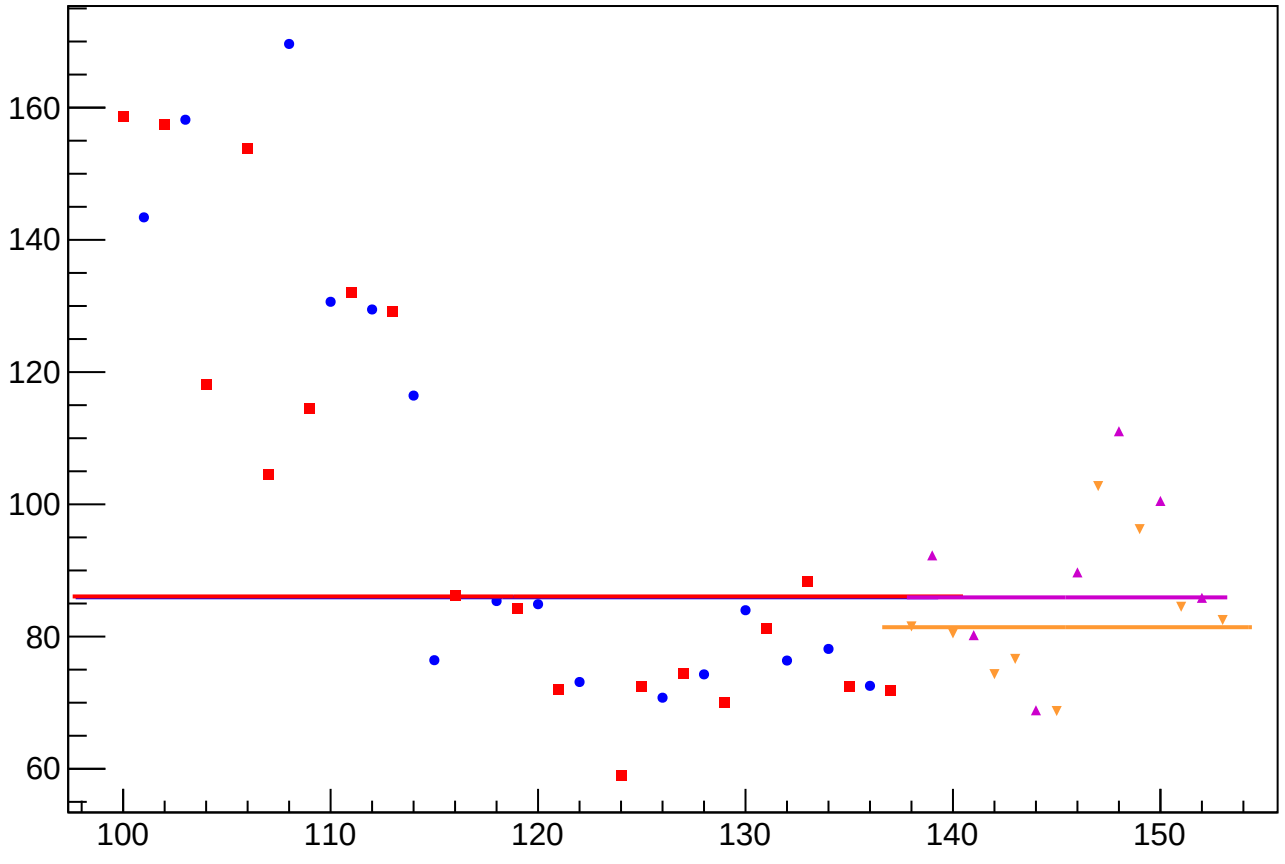
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.062+/-0.035 χ^2/NDF:8.6/6

+ sign -0.013+/-0.023 χ^2/NDF: 25.0/24

All: 0.014+/-0.017 χ^2/NDF: 55.1/50

- sign 0.045+/-0.024 χ^2/NDF: 27.1/25



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.418+/-0.022 χ^2/NDF:182388.8/8

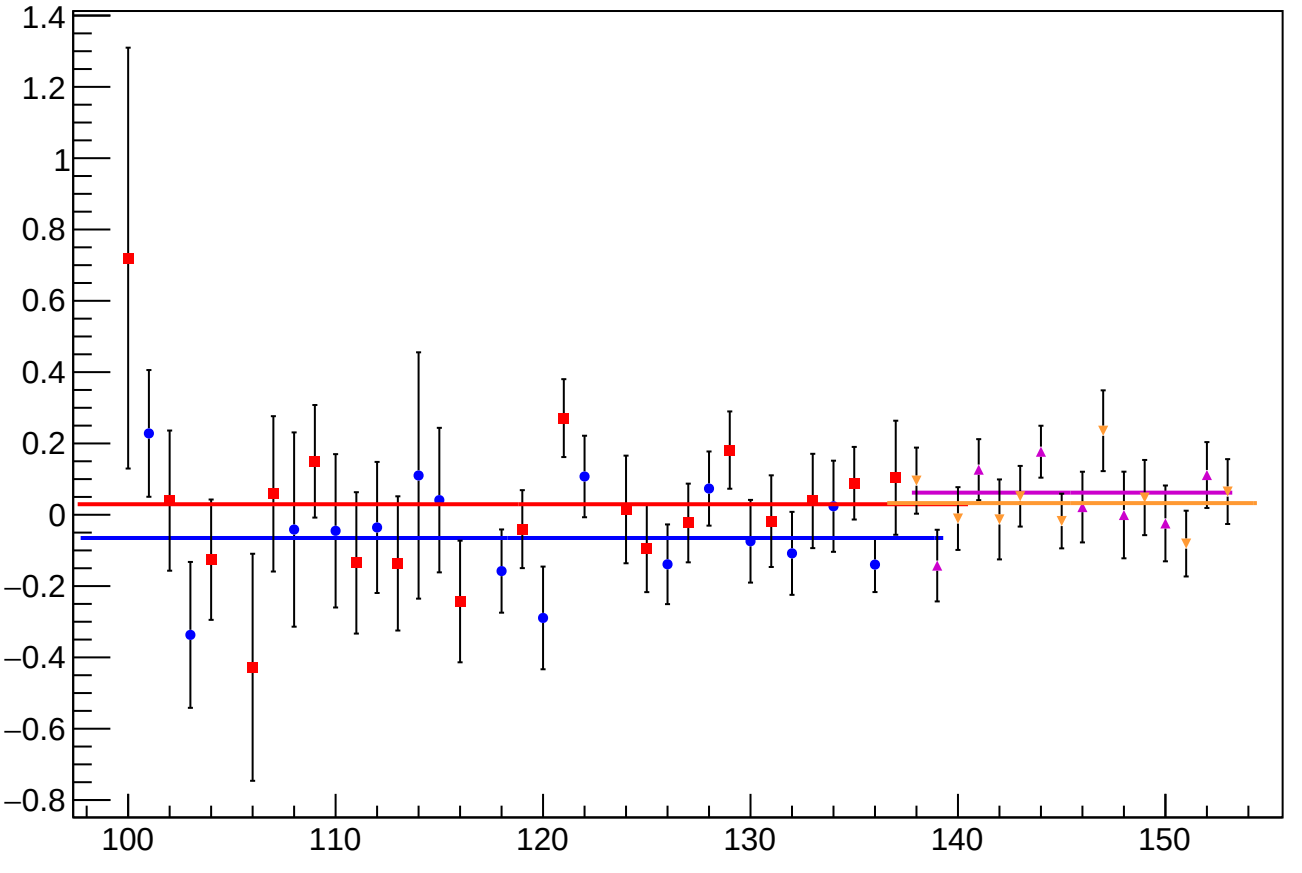
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.928+/-0.025 χ^2/NDF:253038.9/6

+ sign 83.519+/-0.016 χ^2/NDF: 1237151.0/24

All: 84.687+/-0.012 χ^2/NDF: 2492836.9/50

- sign 86.004+/-0.017 χ^2/NDF: 1244421.5/25



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.031 χ^2/NDF:6.2/8

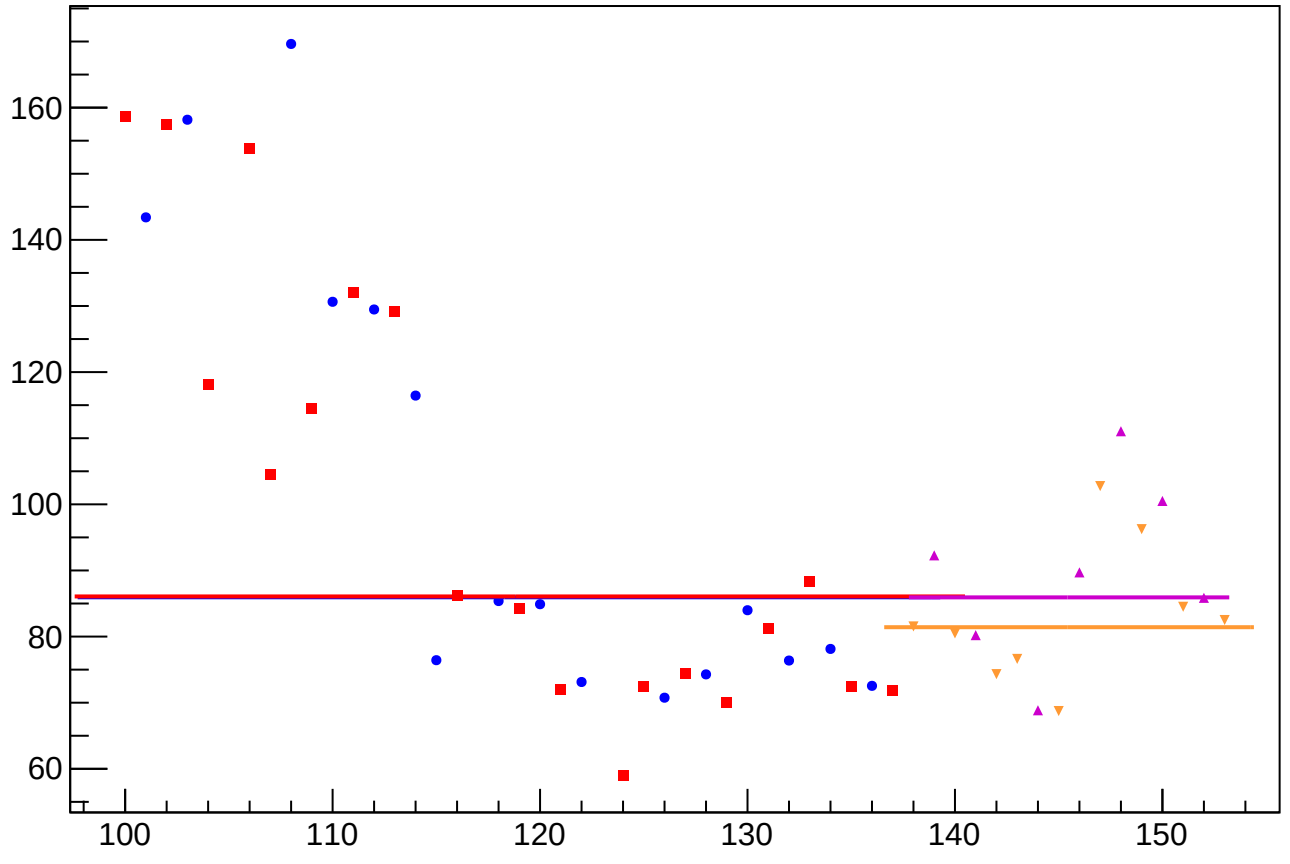
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.062+/-0.035 χ^2/NDF:8.6/6

+ sign -0.013+/-0.023 χ^2/NDF: 25.0/24

All: 0.014+/-0.017 χ^2/NDF: 55.1/50

- sign 0.045+/-0.024 χ^2/NDF: 27.1/25



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.418+/-0.022 χ^2/NDF:182388.8/8

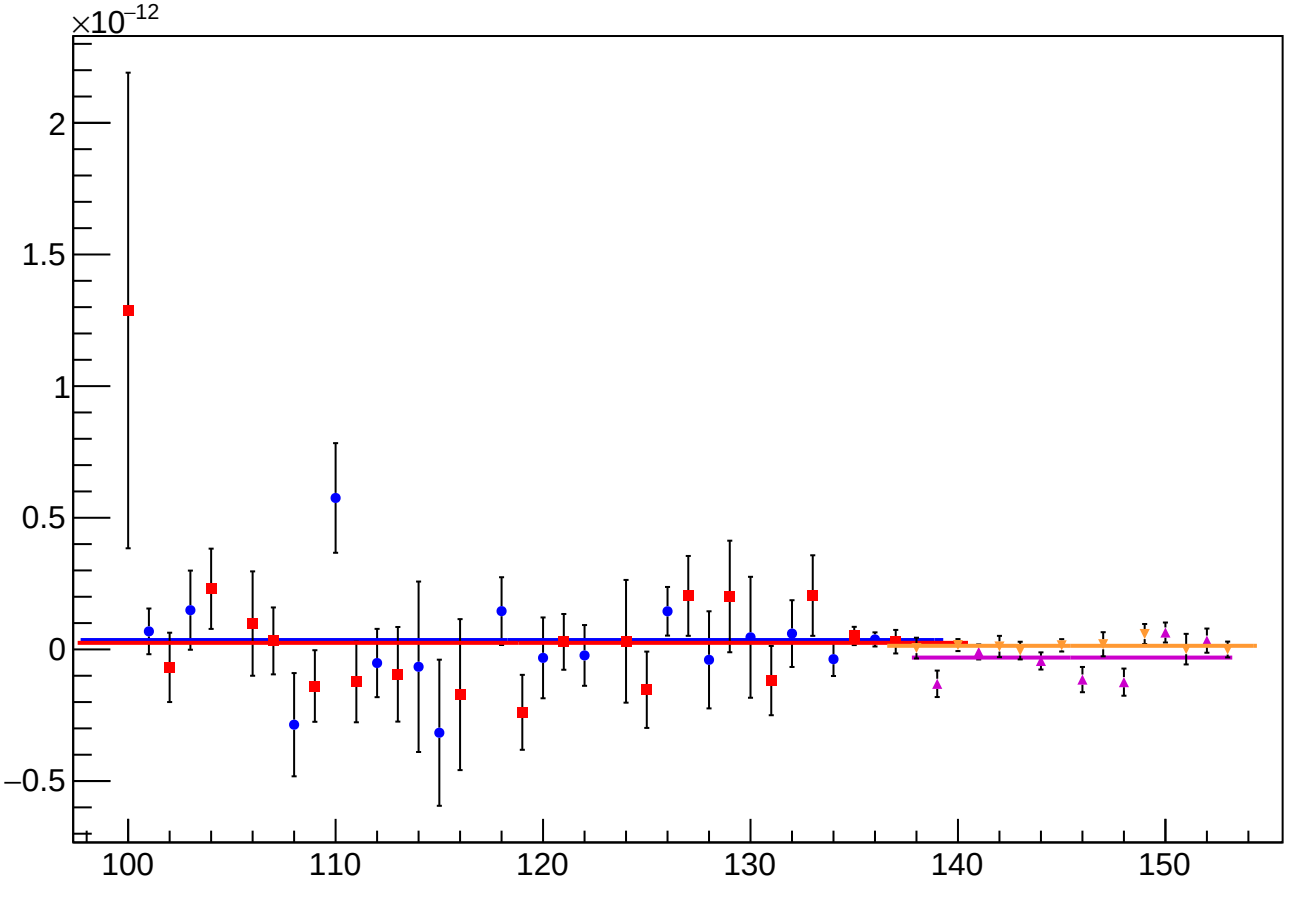
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.928+/-0.025 χ^2/NDF:253038.9/6

+ sign 83.519+/-0.016 χ^2/NDF: 1237151.0/24

All: 84.687+/-0.012 χ^2/NDF: 2492836.9/50

- sign 86.004+/-0.017 χ^2/NDF: 1244421.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/8

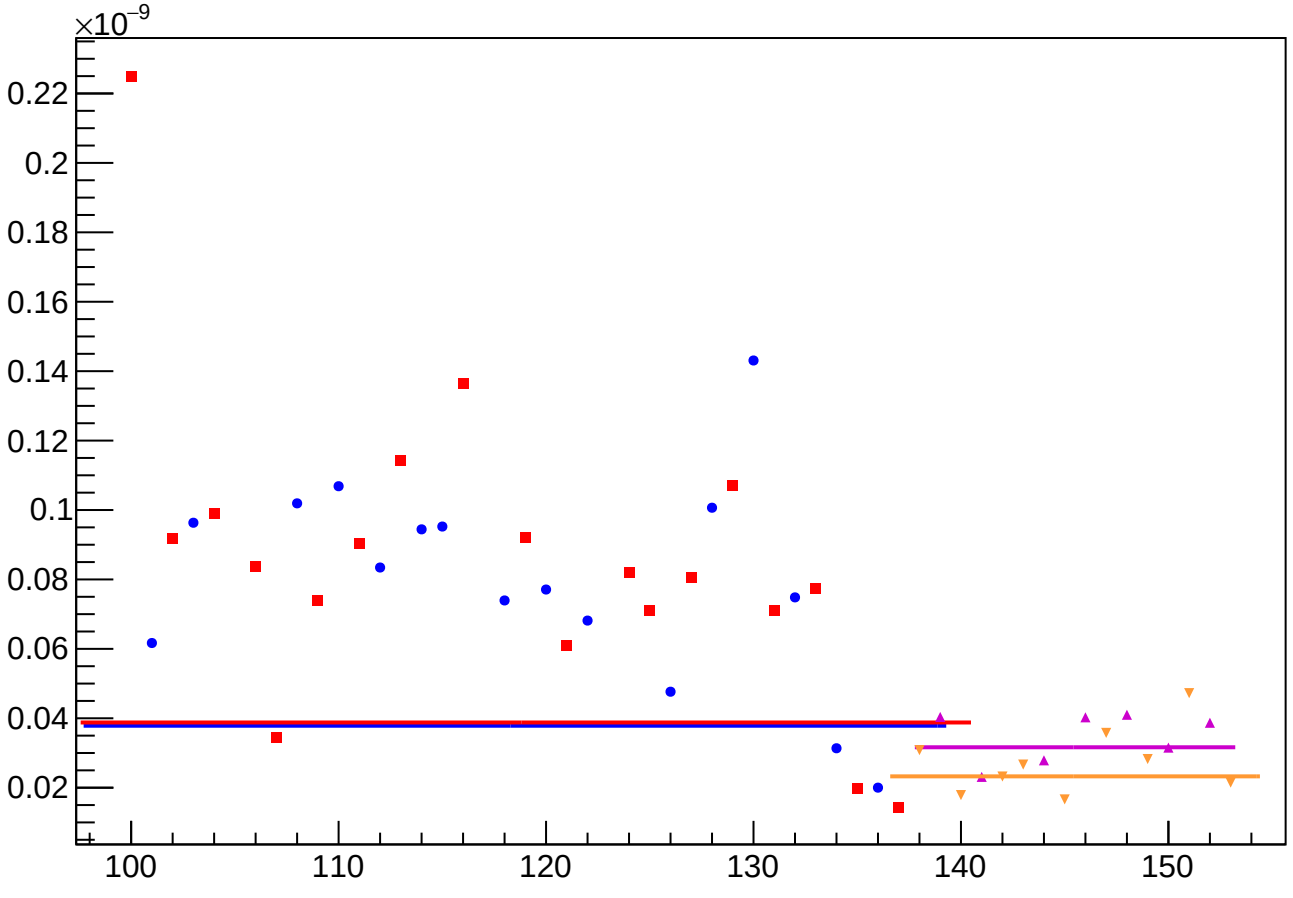
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 19.3/24

All: 0.000+/-0.000 χ^2/NDF: 65.0/50

- sign -0.000+/-0.000 χ^2/NDF: 41.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:897551.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

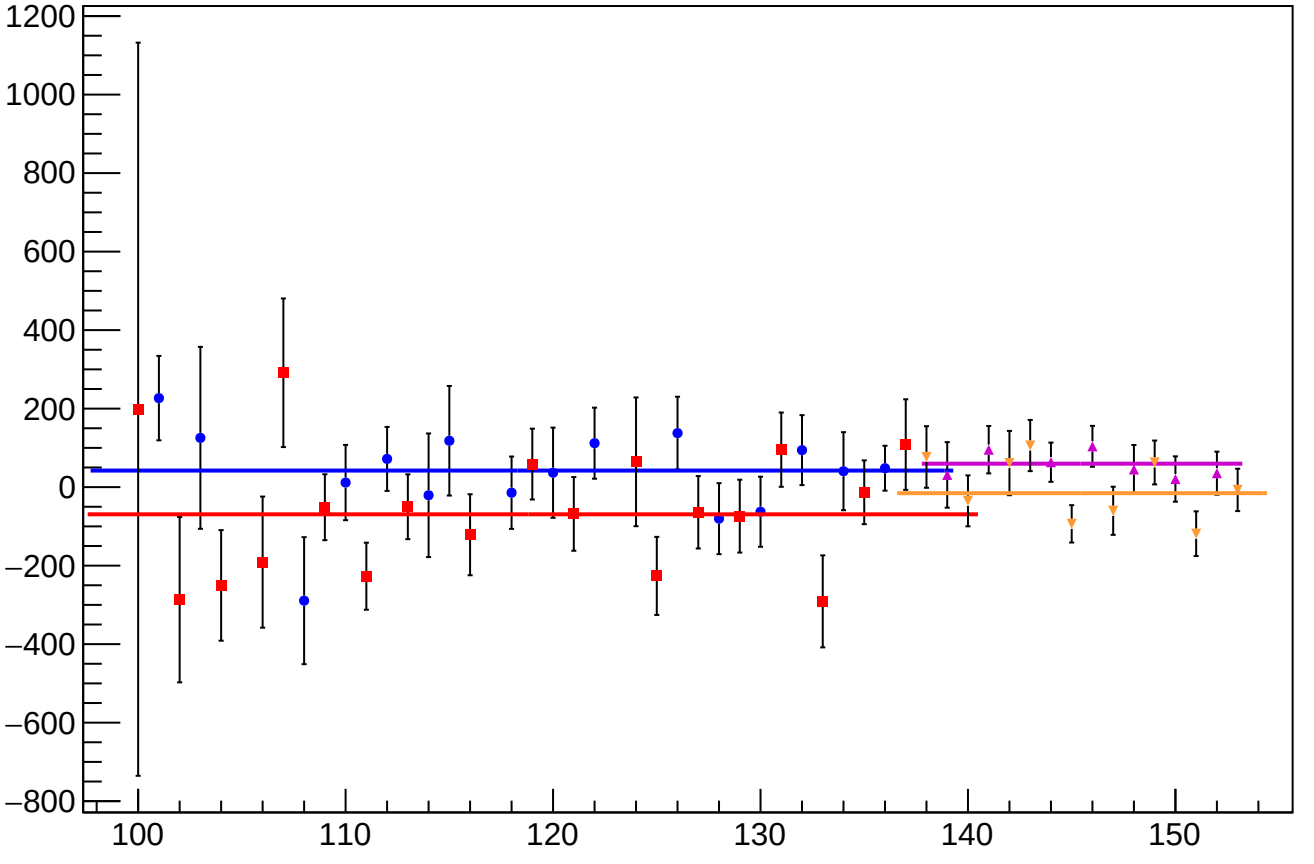
Left In: 0.000+/-0.000 χ^2/NDF:443905.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 5136892.8/24

All: 0.000+/-0.000 χ^2/NDF: 10294759.6/50

- sign 0.000+/-0.000 χ^2/NDF: 4708788.8/25

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -15.412+/-20.144 χ^2/NDF:14.3/8

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

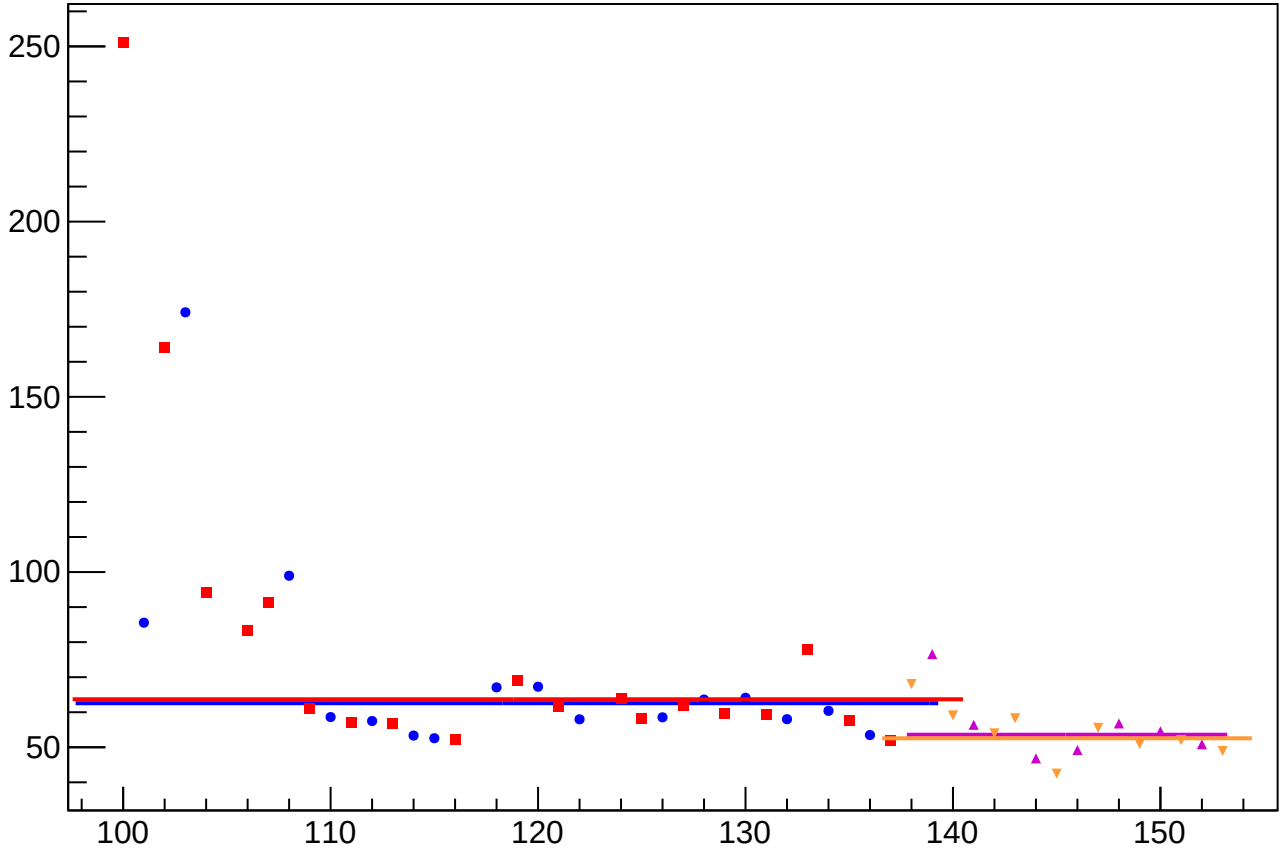
Left In: 59.709+/-21.941 χ^2/NDF:1.9/6

+ sign 8.169+/-15.484 χ^2/NDF: 31.2/24

All: 5.295+/-11.233 χ^2/NDF: 74.0/50

- sign 2.103+/-16.320 χ^2/NDF: 42.7/25

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 52.563+/-0.014 χ^2/NDF:219544.9/8

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

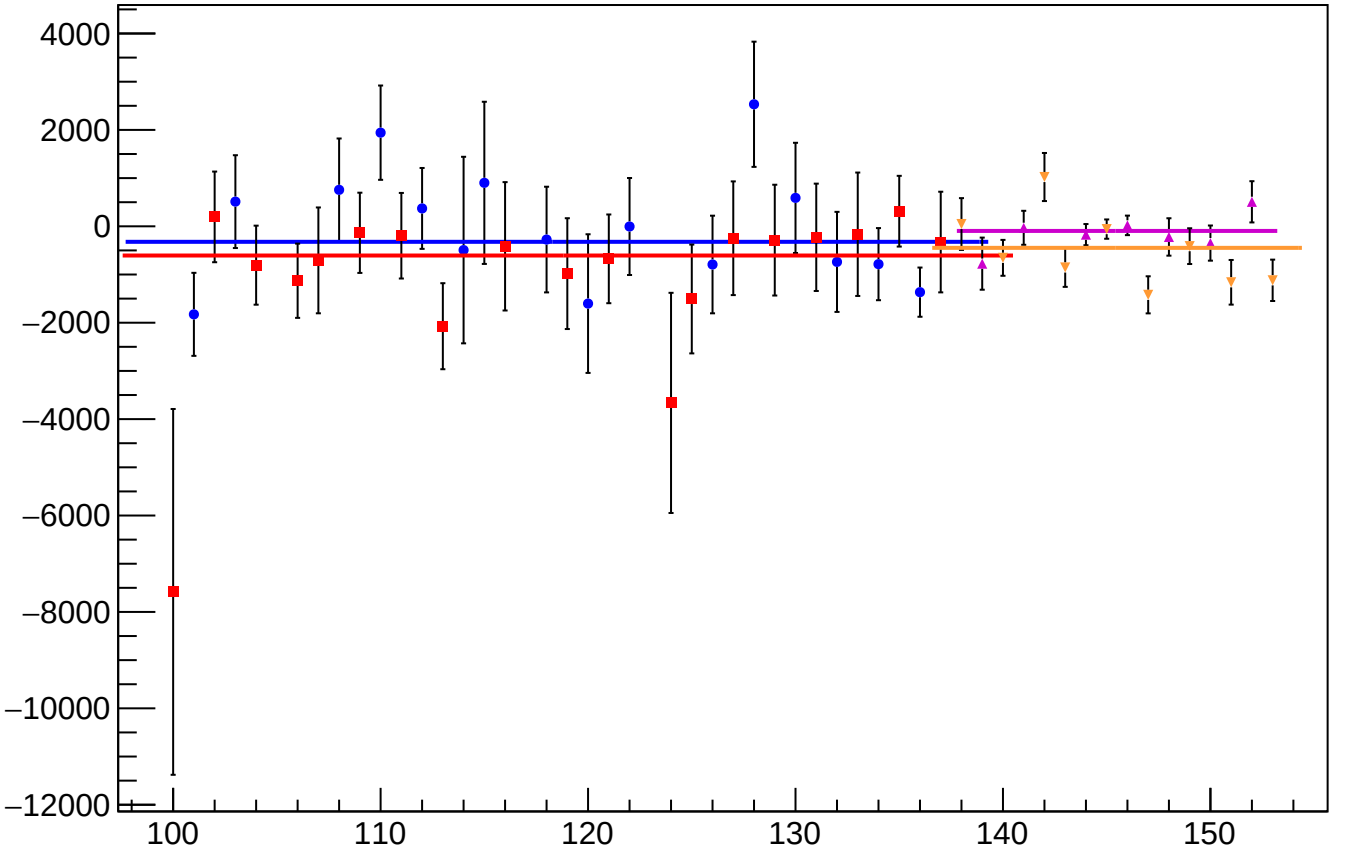
Left In: 53.577+/-0.016 χ^2/NDF:217662.3/6

+ sign 56.655+/-0.011 χ^2/NDF: 1179925.4/24

All: 57.339+/-0.008 χ^2/NDF: 2430170.3/50

- sign 58.098+/-0.012 χ^2/NDF: 1242016.6/25

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -446.996+/-119.599 χ^2/NDF:25.9/8

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

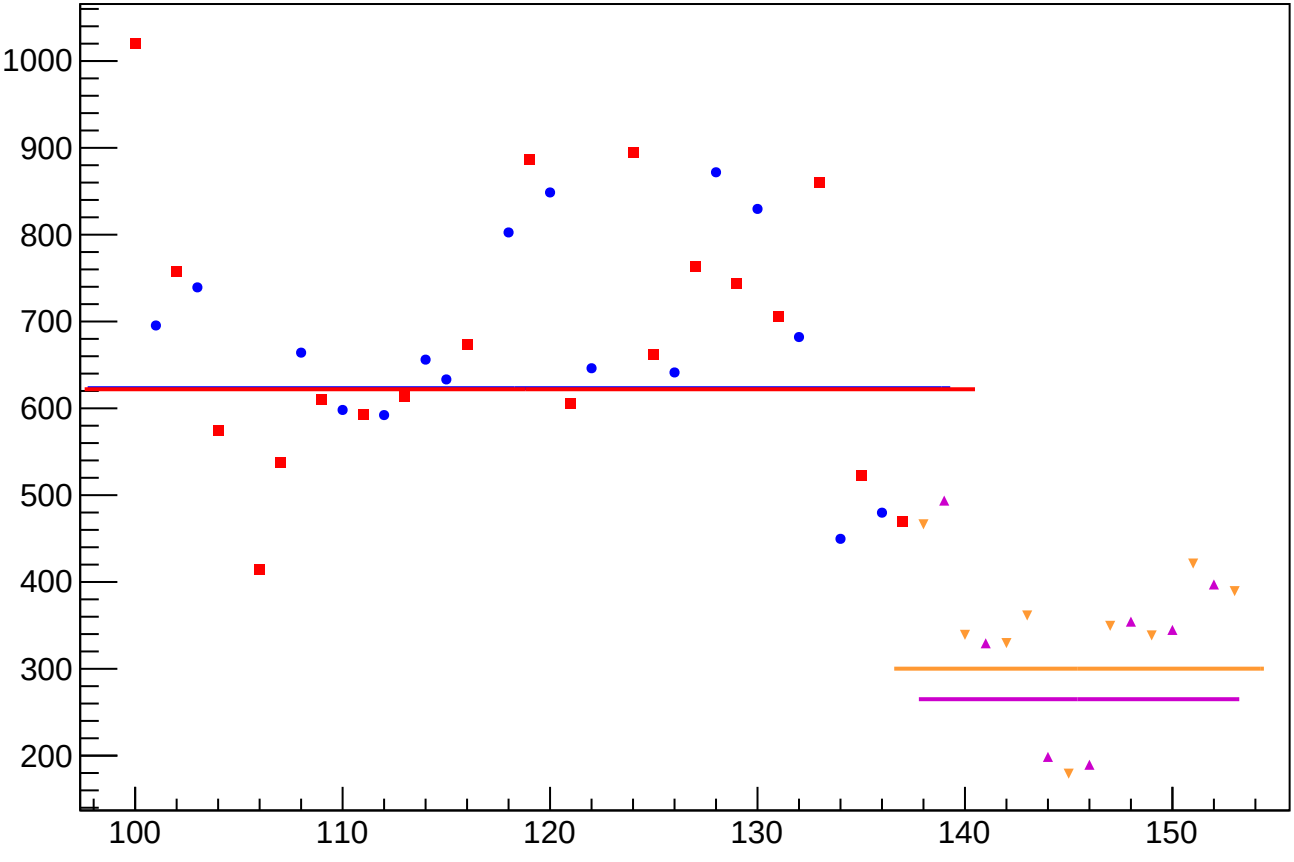
Left In: -95.899+/-114.561 χ^2/NDF:4.6/6

+ sign -421.809+/-106.909 χ^2/NDF: 48.8/24

All: -303.894+/-74.123 χ^2/NDF: 72.1/50

- sign -194.739+/-102.861 χ^2/NDF: 21.0/25

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 300.173+/-0.085 χ^2/NDF:1272977.2/8

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

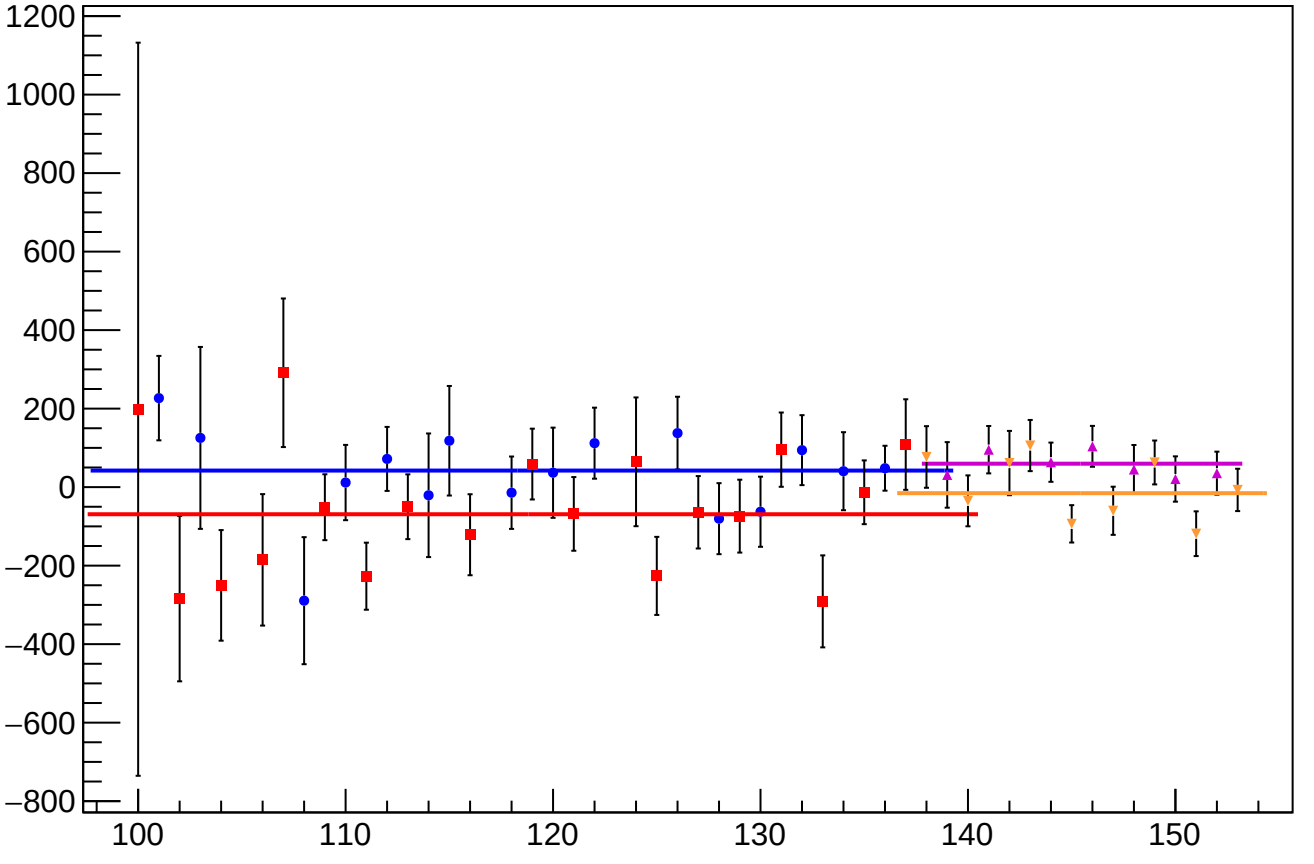
Left In: 265.005+/-0.081 χ^2/NDF:1278207.6/6

+ sign 365.085+/-0.076 χ^2/NDF: 4770157.0/24

All: 349.043+/-0.052 χ^2/NDF: 10481401.0/50

- sign 334.193+/-0.073 χ^2/NDF: 5624527.8/25

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -15.408+/-20.144 χ^2/NDF:14.3/8

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

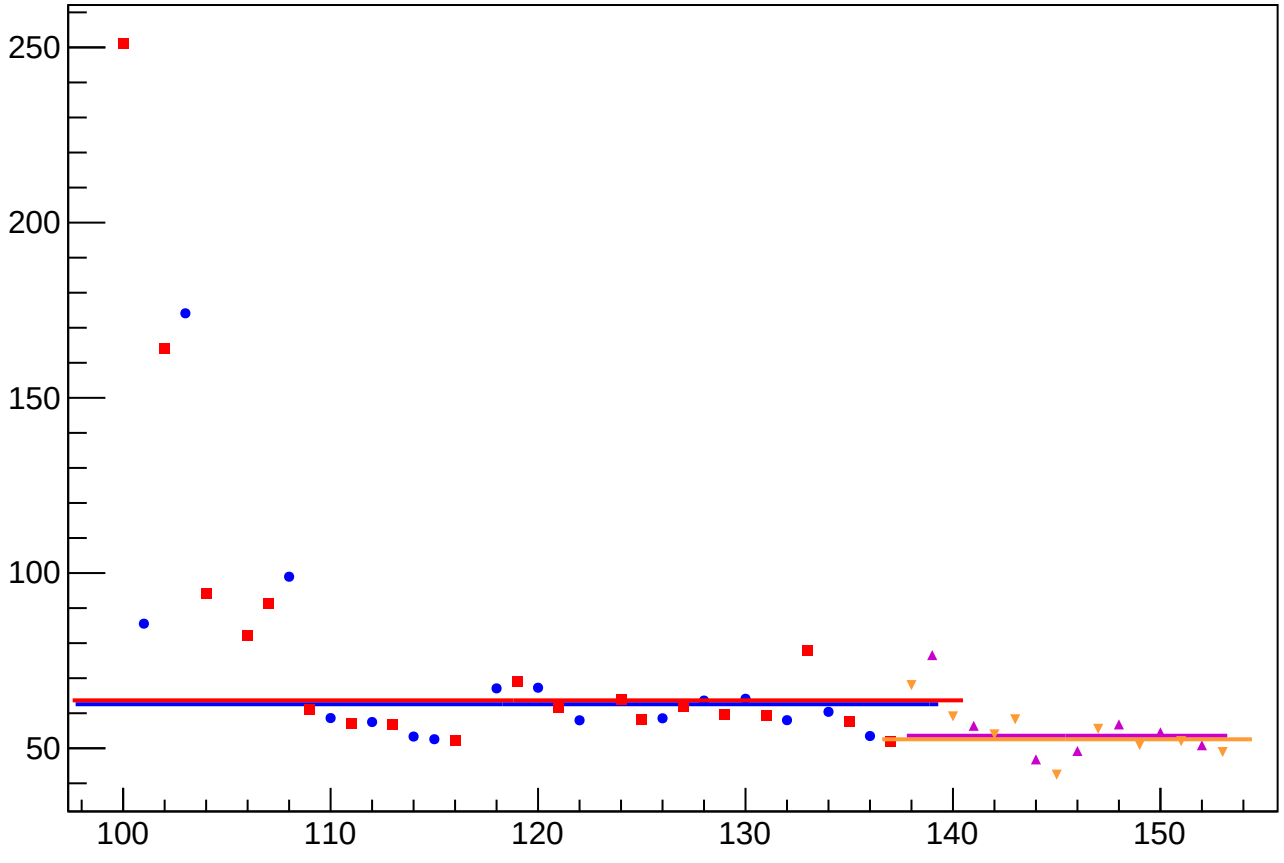
Left In: 59.707+/-21.941 χ^2/NDF:1.9/6

+ sign 8.169+/-15.484 χ^2/NDF: 31.2/24

All: 5.335+/-11.233 χ^2/NDF: 73.9/50

- sign 2.186+/-16.321 χ^2/NDF: 42.6/25

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.563+/-0.014 χ^2/NDF:219544.9/8

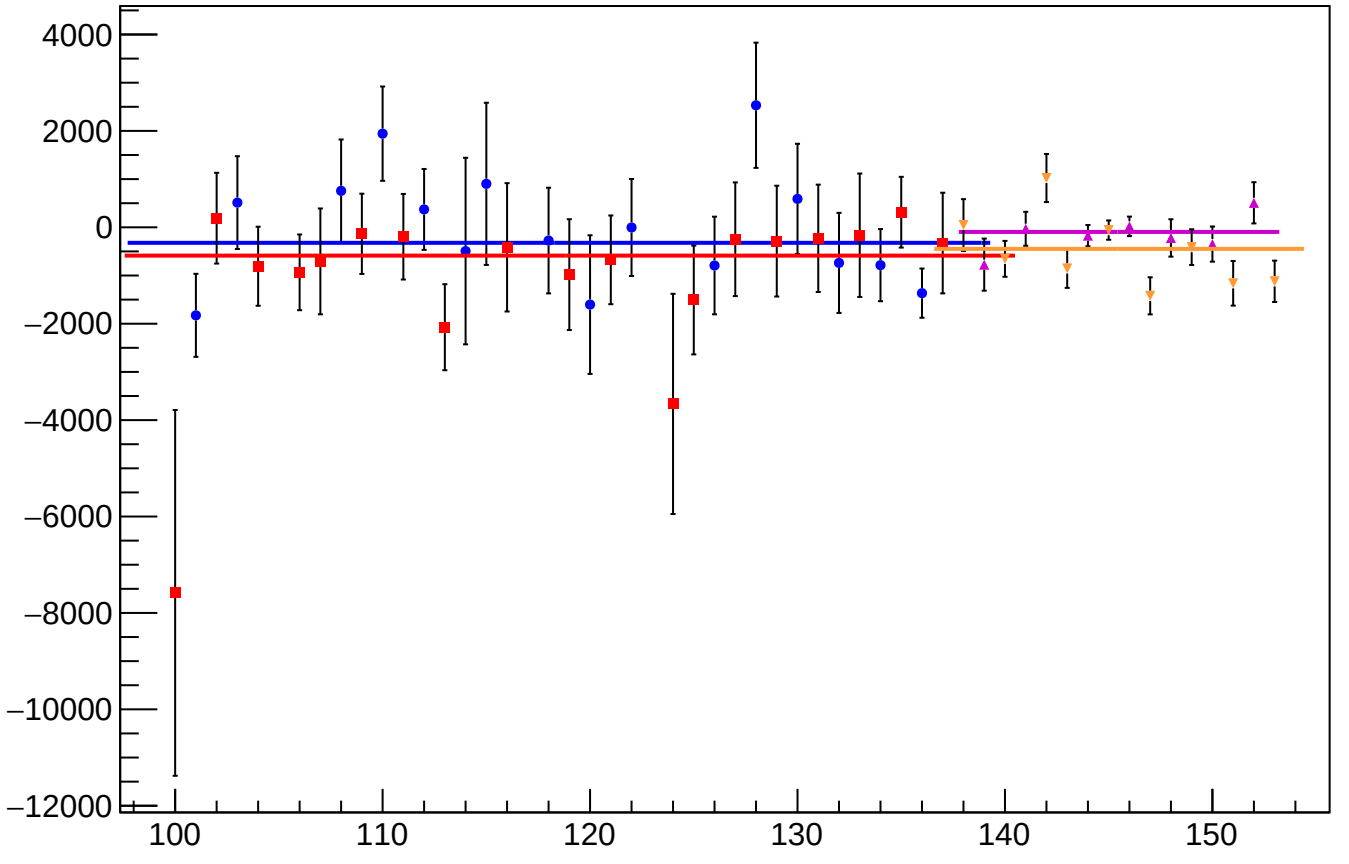
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.577+/-0.016 χ^2/NDF:217662.3/6

+ sign 56.655+/-0.011 χ^2/NDF: 1179927.4/24

All: 57.334+/-0.008 χ^2/NDF: 2426379.9/50

- sign 58.087+/-0.012 χ^2/NDF: 1238350.3/25



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -446.994+/-119.599 χ^2/NDF:25.9/8

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

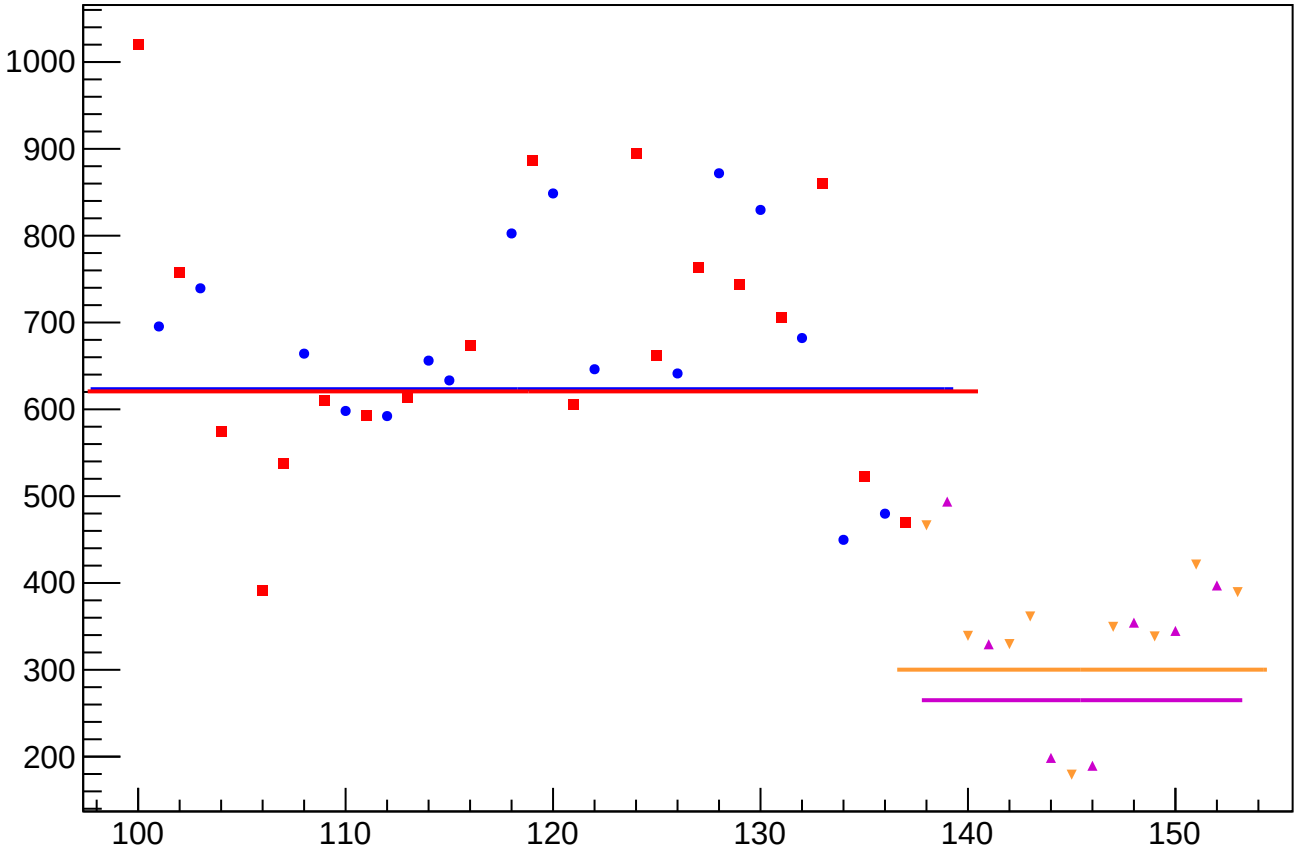
Left In: -95.904+/-114.561 χ^2/NDF:4.6/6

+ sign -421.807+/-106.909 χ^2/NDF: 48.8/24

All: -301.913+/-74.137 χ^2/NDF: 71.6/50

- sign -190.845+/-102.898 χ^2/NDF: 20.4/25

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 300.172+/-0.085 χ^2/NDF:1272983.1/8

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

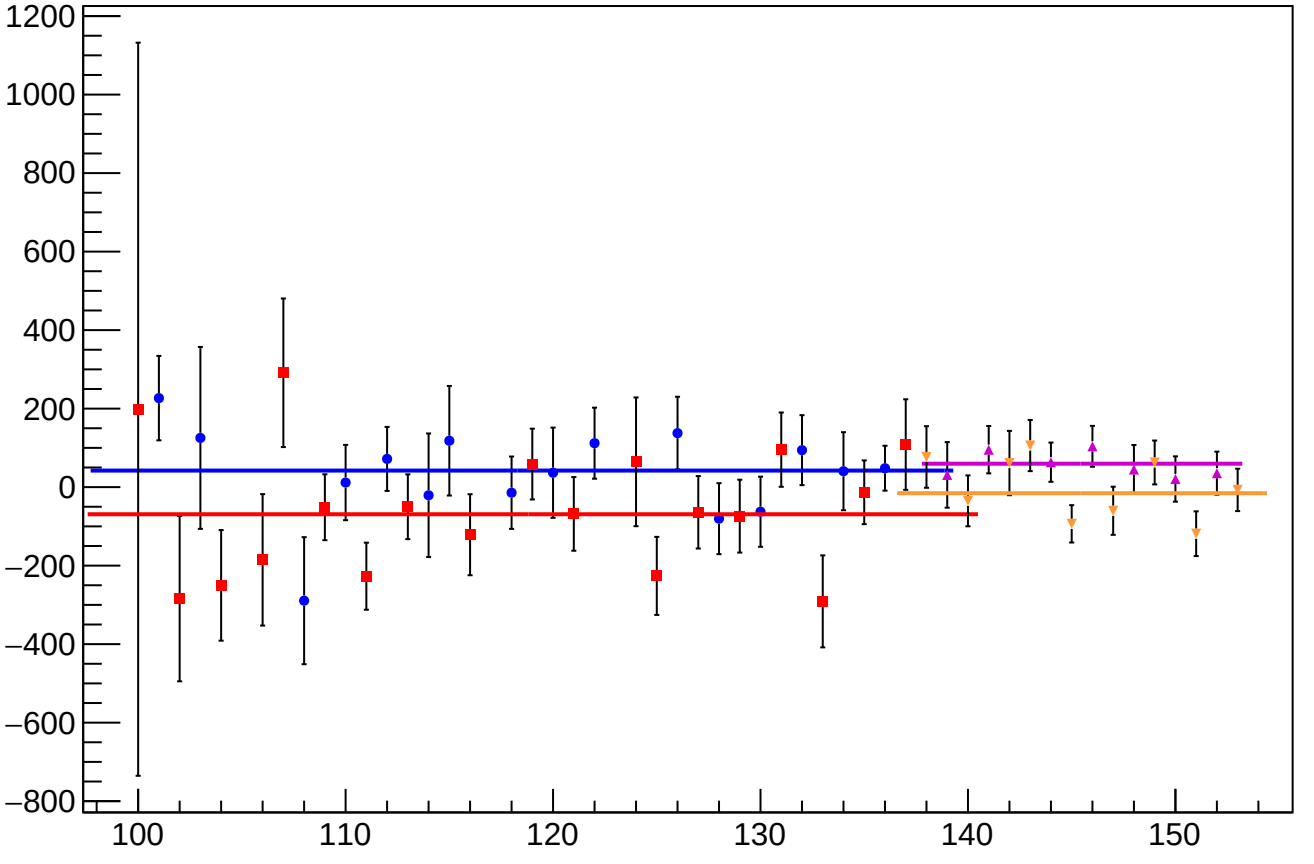
Left In: 265.005+/-0.081 χ^2/NDF:1278212.6/6

+ sign 365.084+/-0.076 χ^2/NDF: 4770226.5/24

All: 348.810+/-0.052 χ^2/NDF: 10473340.5/50

- sign 333.733+/-0.073 χ^2/NDF: 5613829.7/25

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -15.408+/-20.144 χ^2/NDF:14.3/8

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

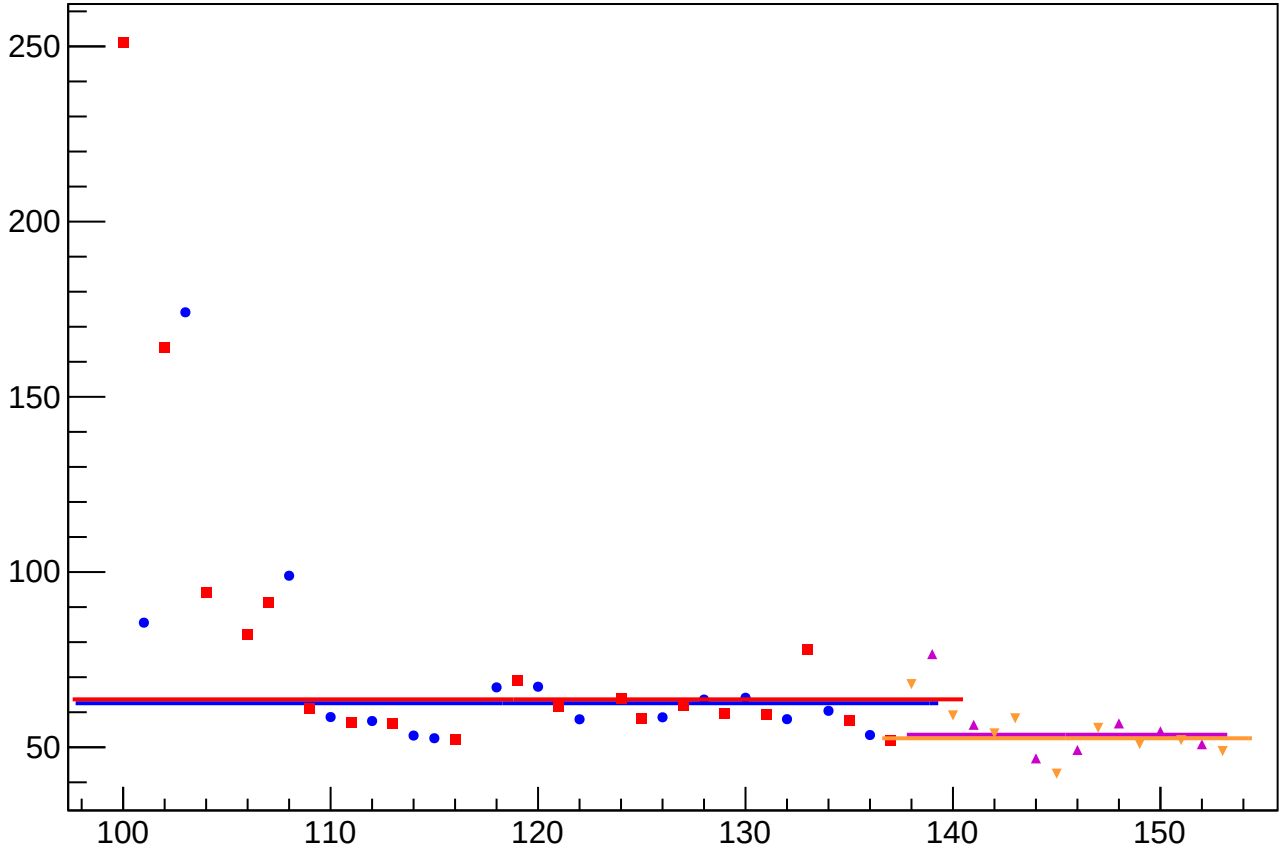
Left In: 59.707+/-21.941 χ^2/NDF:1.9/6

+ sign 8.169+/-15.484 χ^2/NDF: 31.2/24

All: 5.335+/-11.233 χ^2/NDF: 73.9/50

- sign 2.186+/-16.321 χ^2/NDF: 42.6/25

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.563+/-0.014 χ^2/NDF:219544.9/8

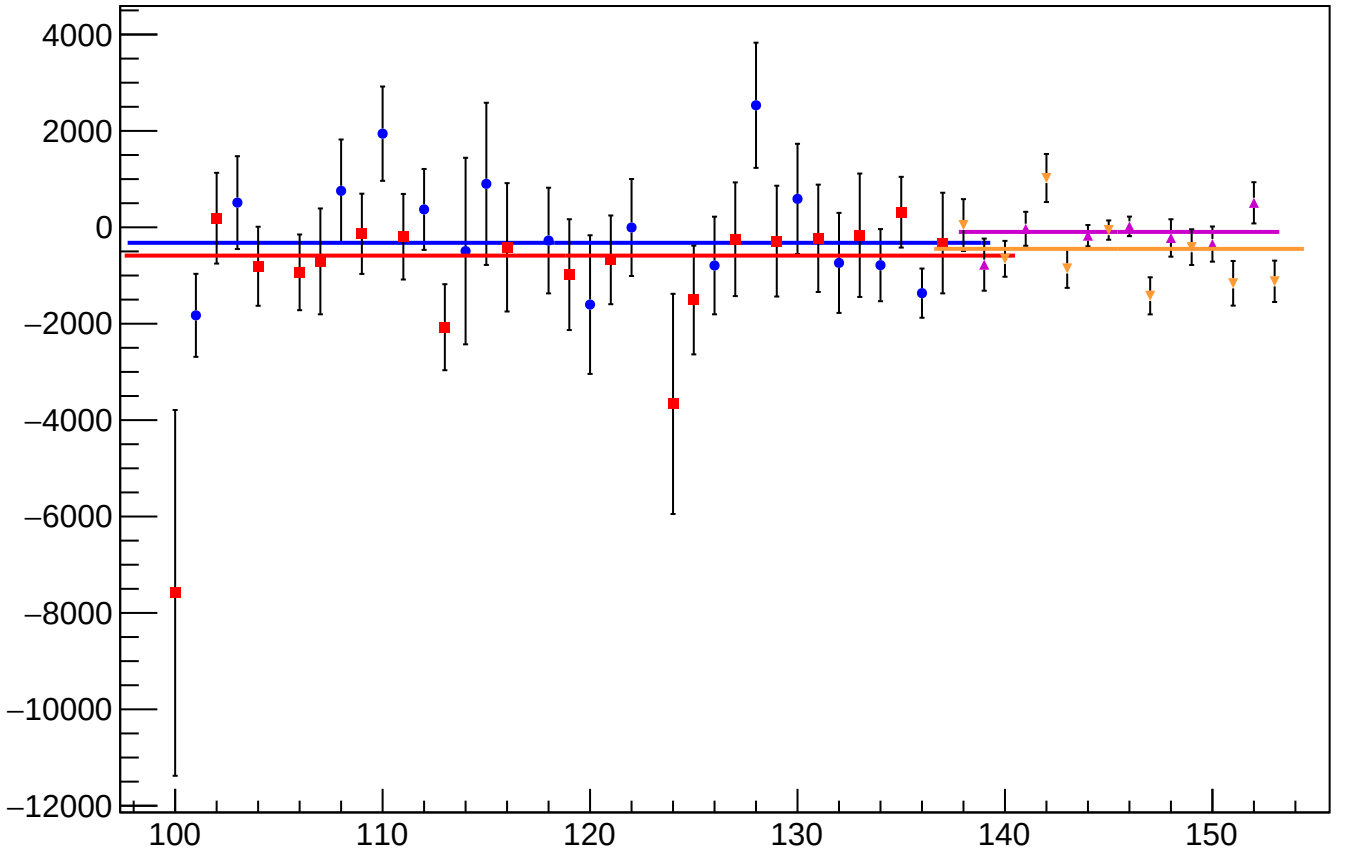
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.577+/-0.016 χ^2/NDF:217662.3/6

+ sign 56.655+/-0.011 χ^2/NDF: 1179927.4/24

All: 57.334+/-0.008 χ^2/NDF: 2426379.9/50

- sign 58.087+/-0.012 χ^2/NDF: 1238350.3/25



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -446.994+/-119.599 χ^2/NDF:25.9/8

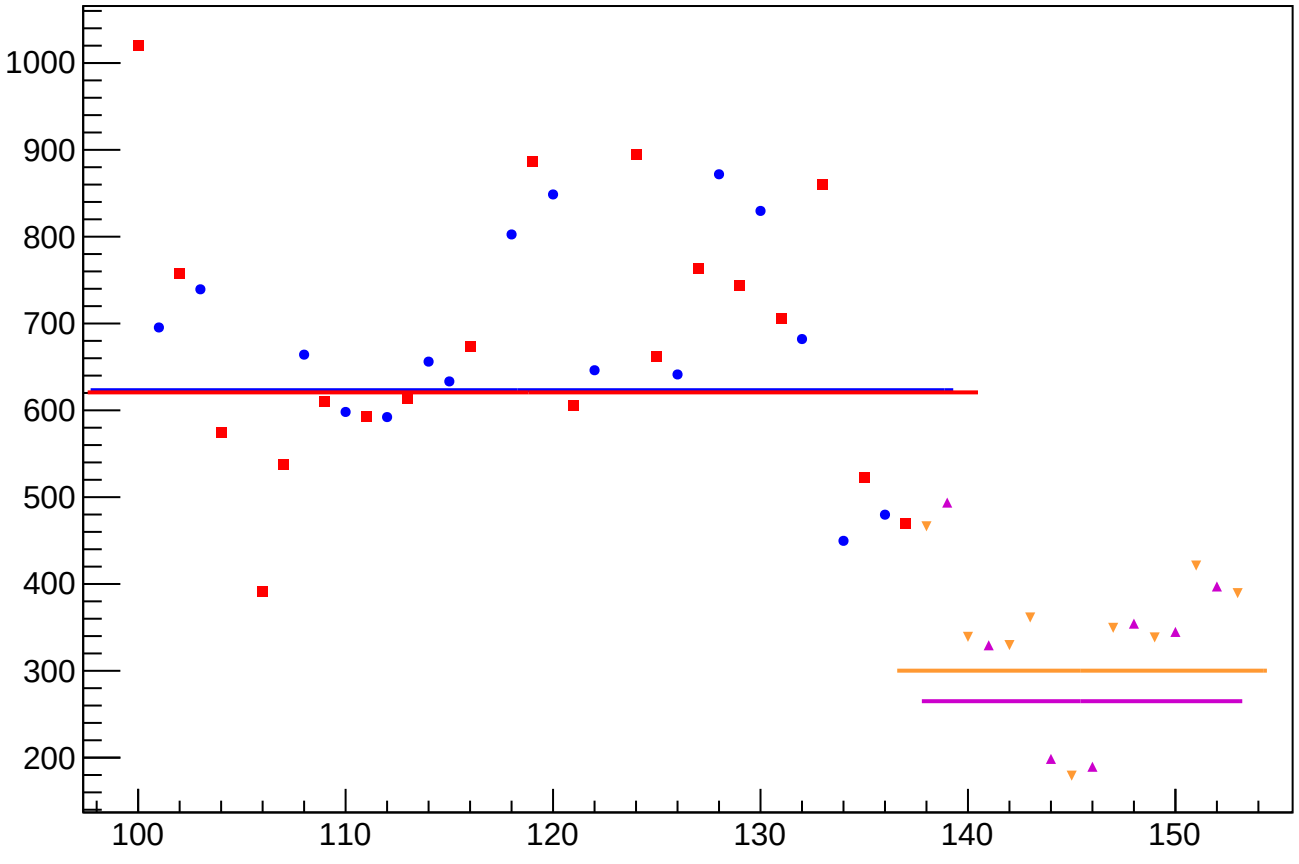
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -95.904+/-114.561 χ^2/NDF:4.6/6

+ sign -421.807+/-106.909 χ^2/NDF: 48.8/24

All: -301.913+/-74.137 χ^2/NDF: 71.6/50

- sign -190.845+/-102.898 χ^2/NDF: 20.4/25



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 300.172+/-0.085 χ^2/NDF:1272983.1/8

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

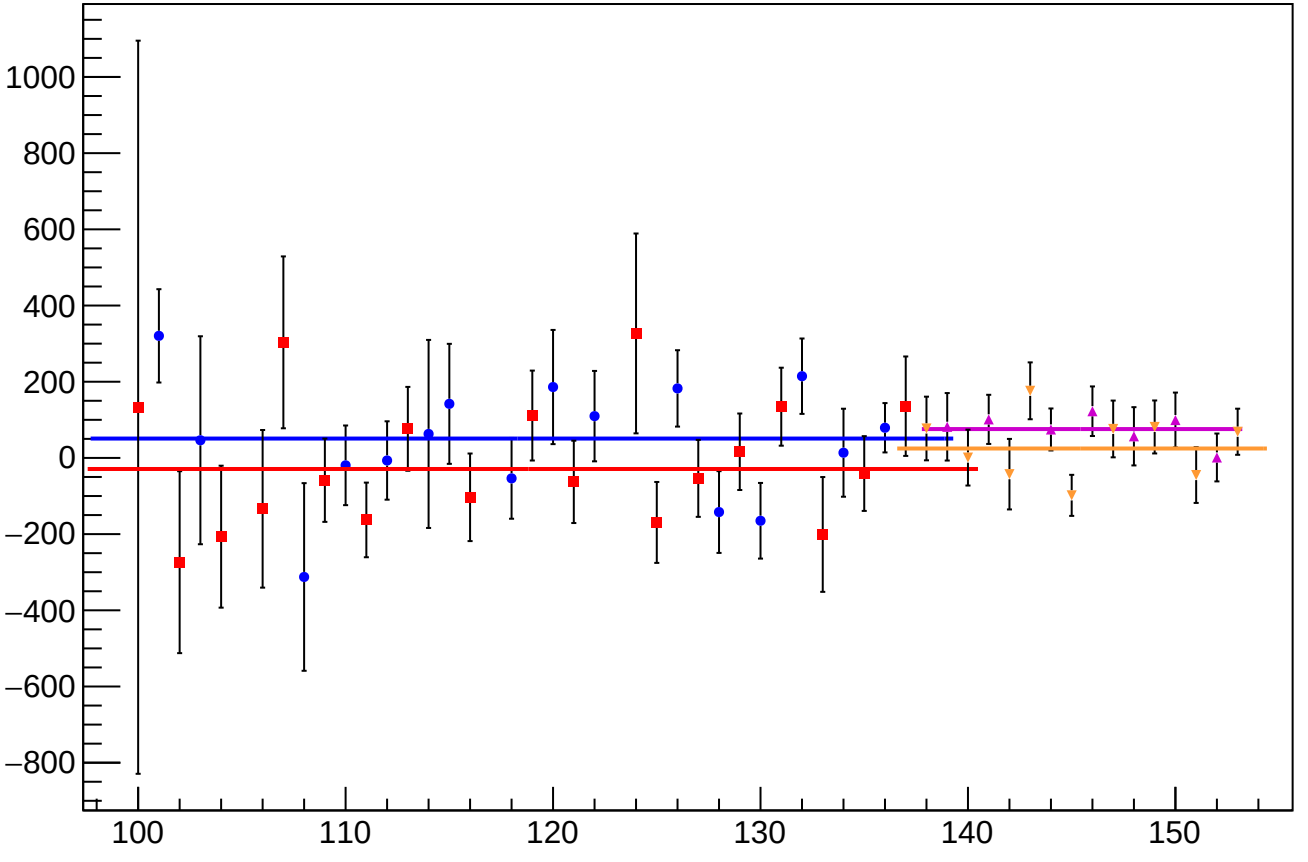
Left In: 265.005+/-0.081 χ^2/NDF:1278212.6/6

+ sign 365.084+/-0.076 χ^2/NDF: 4770226.5/24

All: 348.810+/-0.052 χ^2/NDF: 10473340.5/50

- sign 333.733+/-0.073 χ^2/NDF: 5613829.7/25

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 24.718+/-23.462 χ^2/NDF:12.9/8

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

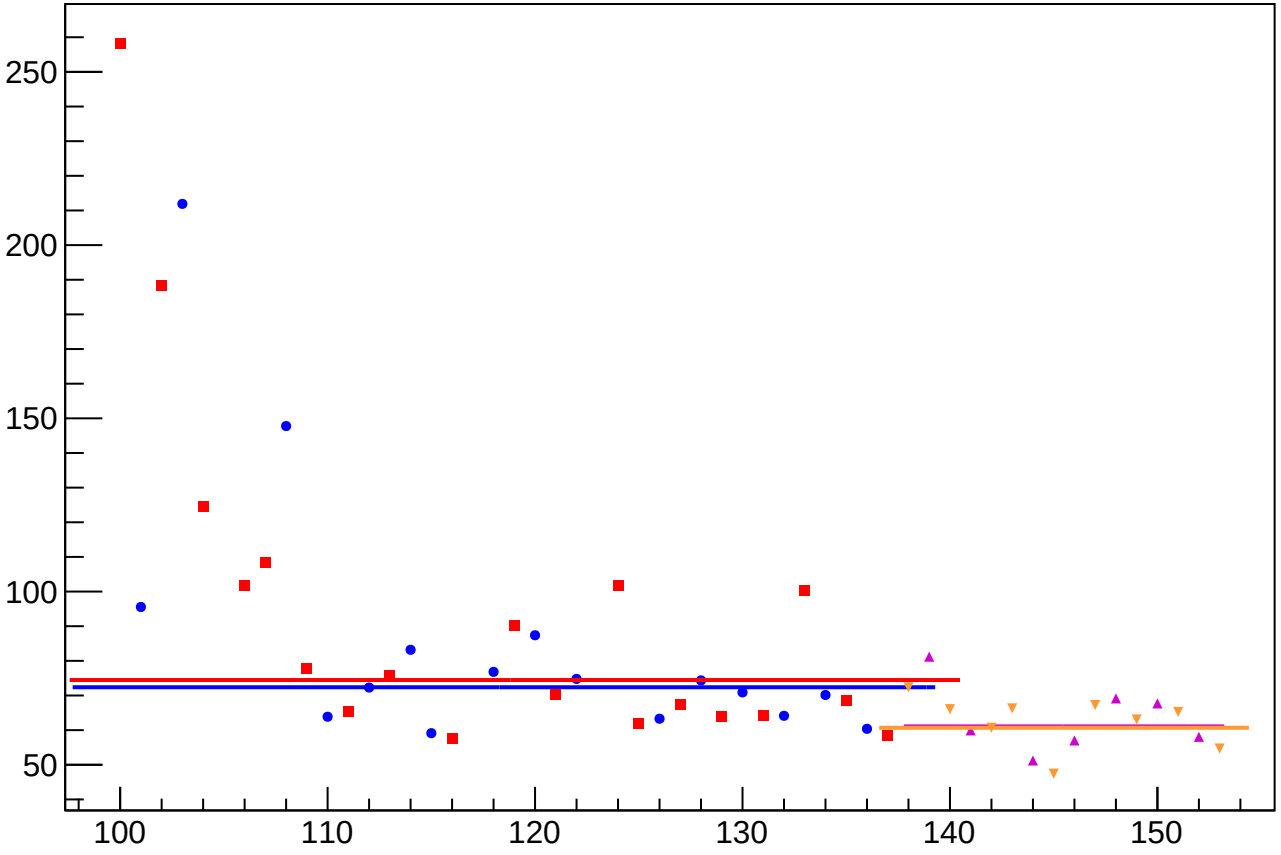
Left In: 75.765+/-25.399 χ^2/NDF:2.3/6

+ sign 35.351+/-18.066 χ^2/NDF: 36.3/24

All: 32.873+/-13.119 χ^2/NDF: 64.5/50

- sign 30.109+/-19.081 χ^2/NDF: 28.2/25

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 60.688+/-0.017 χ^2/NDF:227234.7/8

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

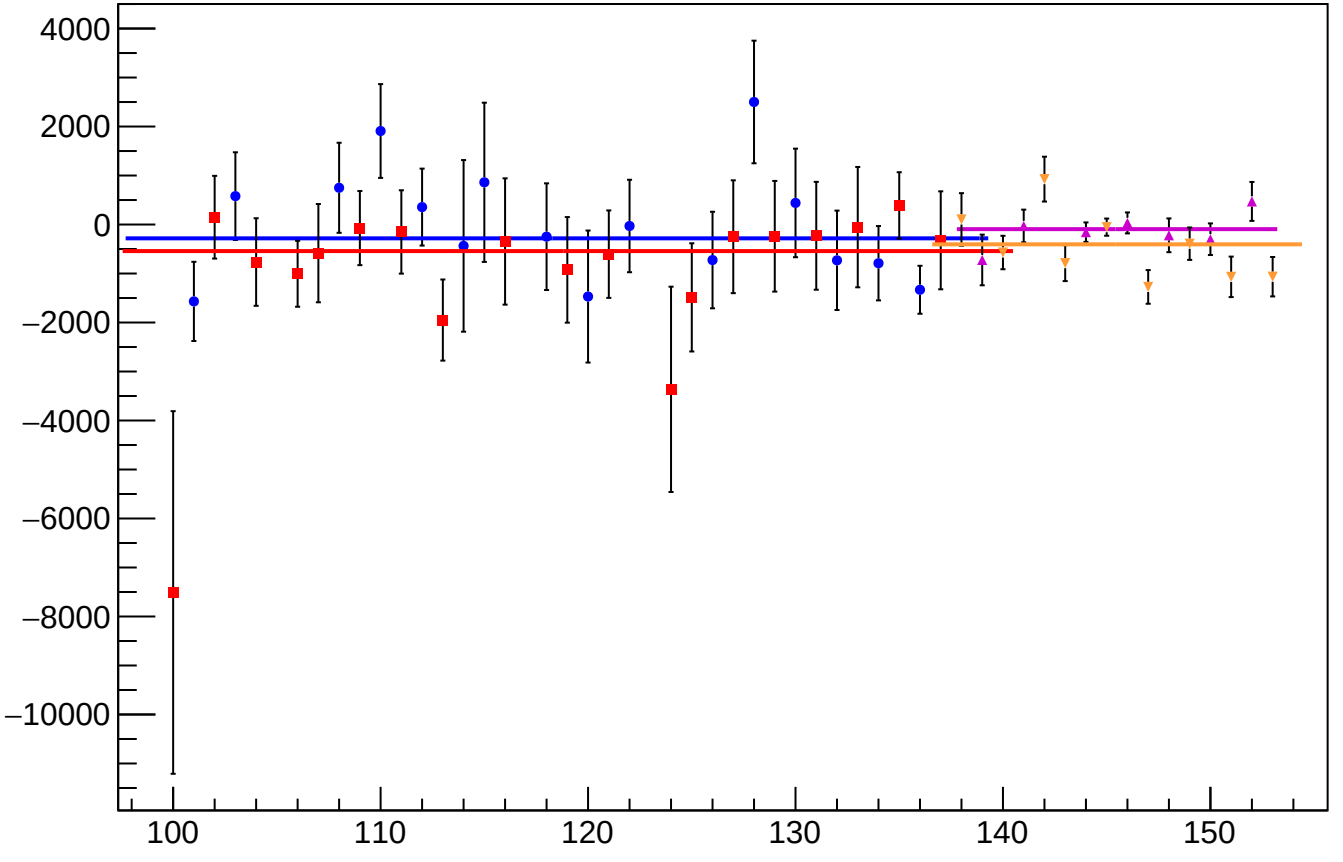
Left In: 61.076+/-0.018 χ^2/NDF:219269.1/6

+ sign 65.447+/-0.013 χ^2/NDF: 1367515.0/24

All: 66.137+/-0.009 χ^2/NDF: 2887321.9/50

- sign 66.908+/-0.013 χ^2/NDF: 1513621.0/25

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -404.188+/-107.563 χ^2/NDF:26.4/8

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

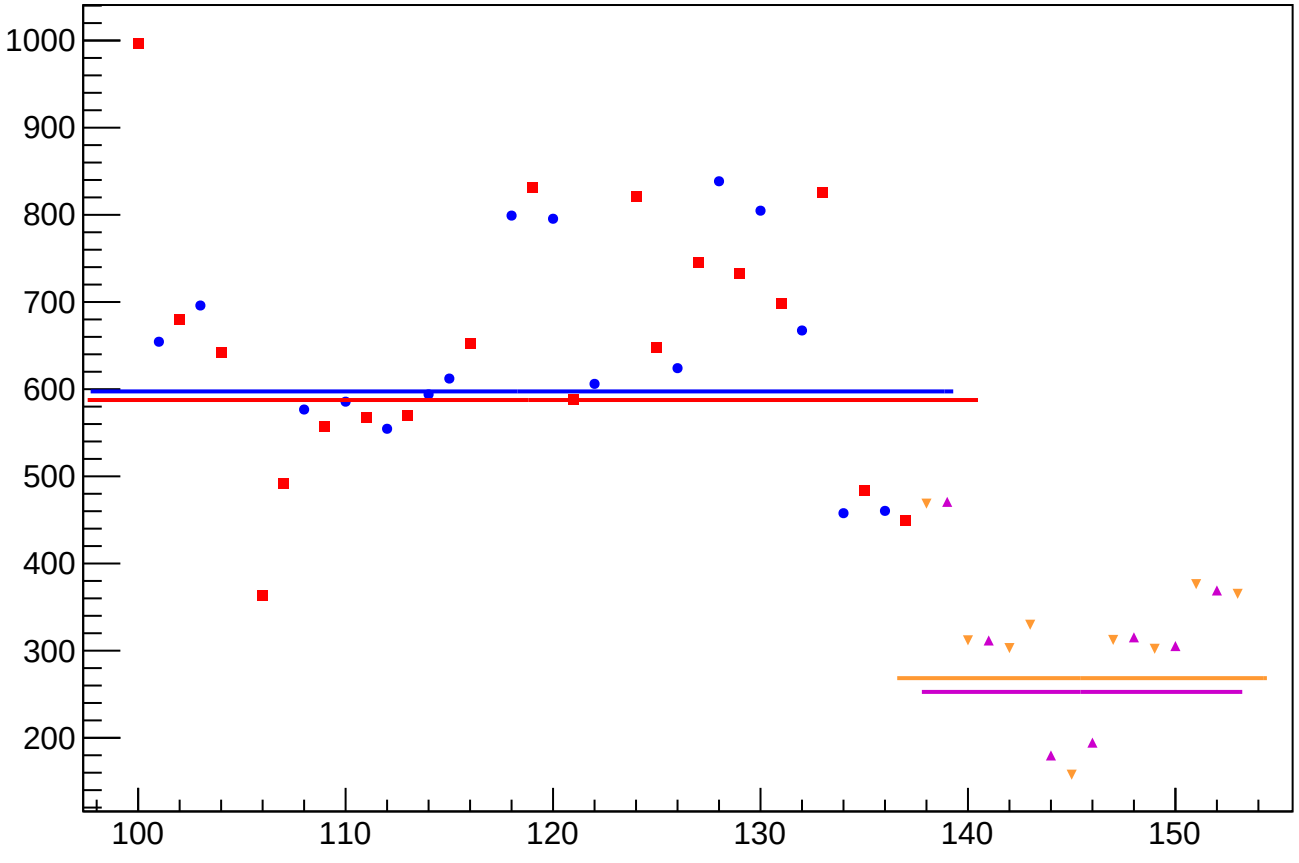
Left In: -94.222+/-108.893 χ^2/NDF:4.5/6

+ sign -381.918+/-97.264 χ^2/NDF: 49.4/24

All: -282.258+/-68.920 χ^2/NDF: 72.6/50

- sign -181.764+/-97.671 χ^2/NDF: 21.1/25

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 268.479+/-0.076 χ^2/NDF:1480727.0/8

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

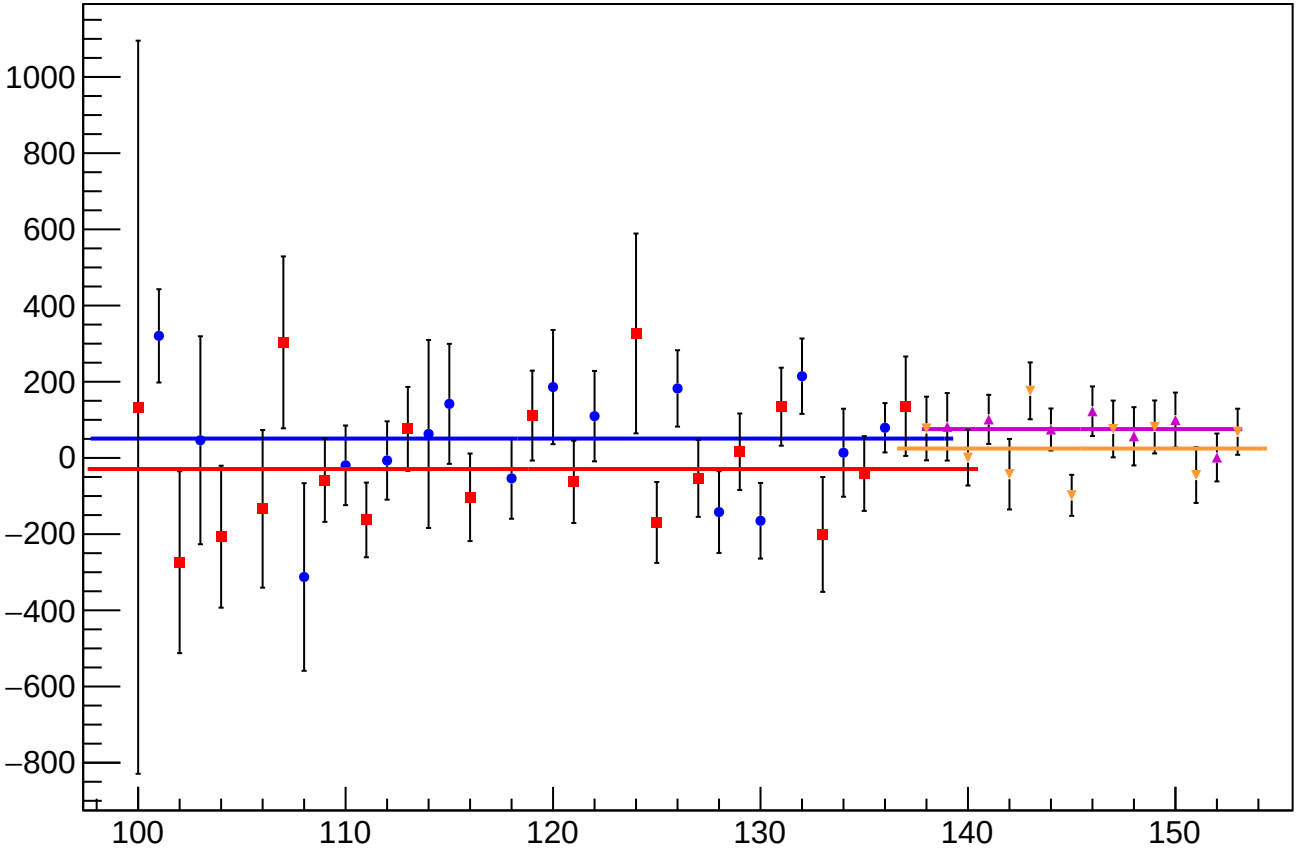
Left In: 252.692+/-0.077 χ^2/NDF:1126681.1/6

+ sign 328.456+/-0.069 χ^2/NDF: 5425098.1/24

All: 323.328+/-0.049 χ^2/NDF: 10949525.2/50

- sign 318.157+/-0.069 χ^2/NDF: 5513260.7/25

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 24.719+/-23.462 χ^2/NDF:12.9/8

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

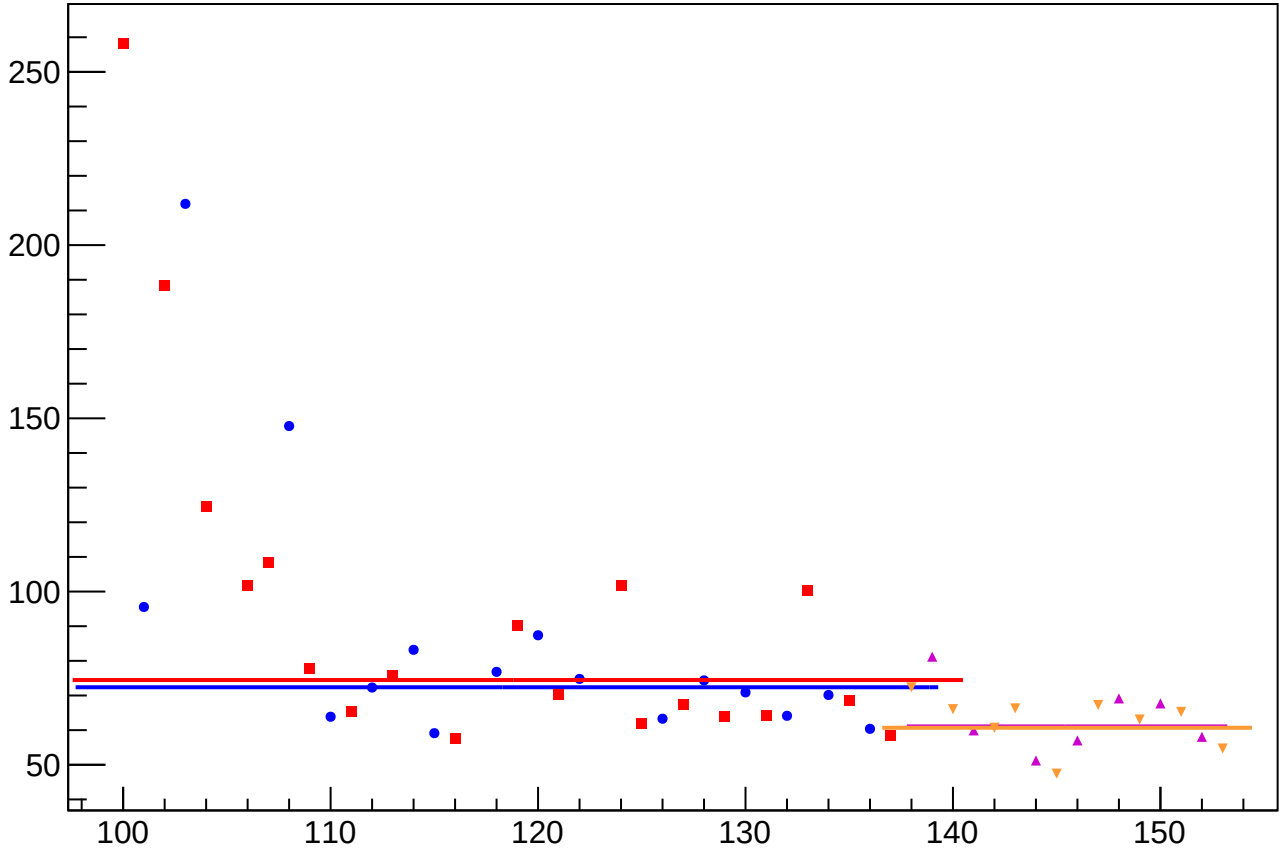
Left In: 75.765+/-25.400 χ^2/NDF:2.3/6

+ sign 35.352+/-18.066 χ^2/NDF: 36.3/24

All: 32.873+/-13.119 χ^2/NDF: 64.5/50

- sign 30.109+/-19.081 χ^2/NDF: 28.2/25

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 60.688+/-0.017 χ^2/NDF:227244.8/8

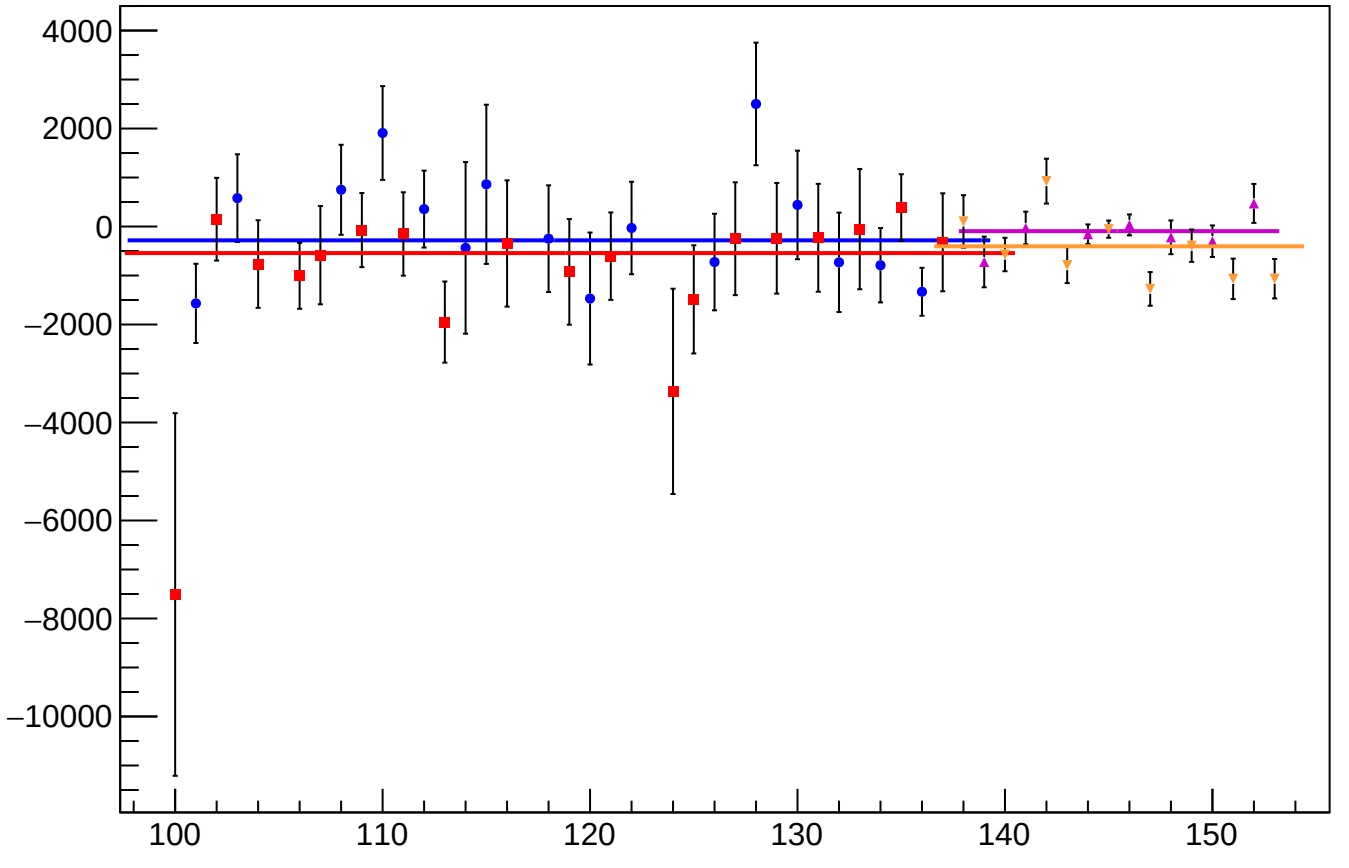
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 61.076+/-0.018 χ^2/NDF:219272.0/6

+ sign 65.447+/-0.013 χ^2/NDF: 1367516.7/24

All: 66.137+/-0.009 χ^2/NDF: 2887311.3/50

- sign 66.908+/-0.013 χ^2/NDF: 1513609.2/25



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -404.188+/-107.563 χ^2/NDF:26.4/8

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

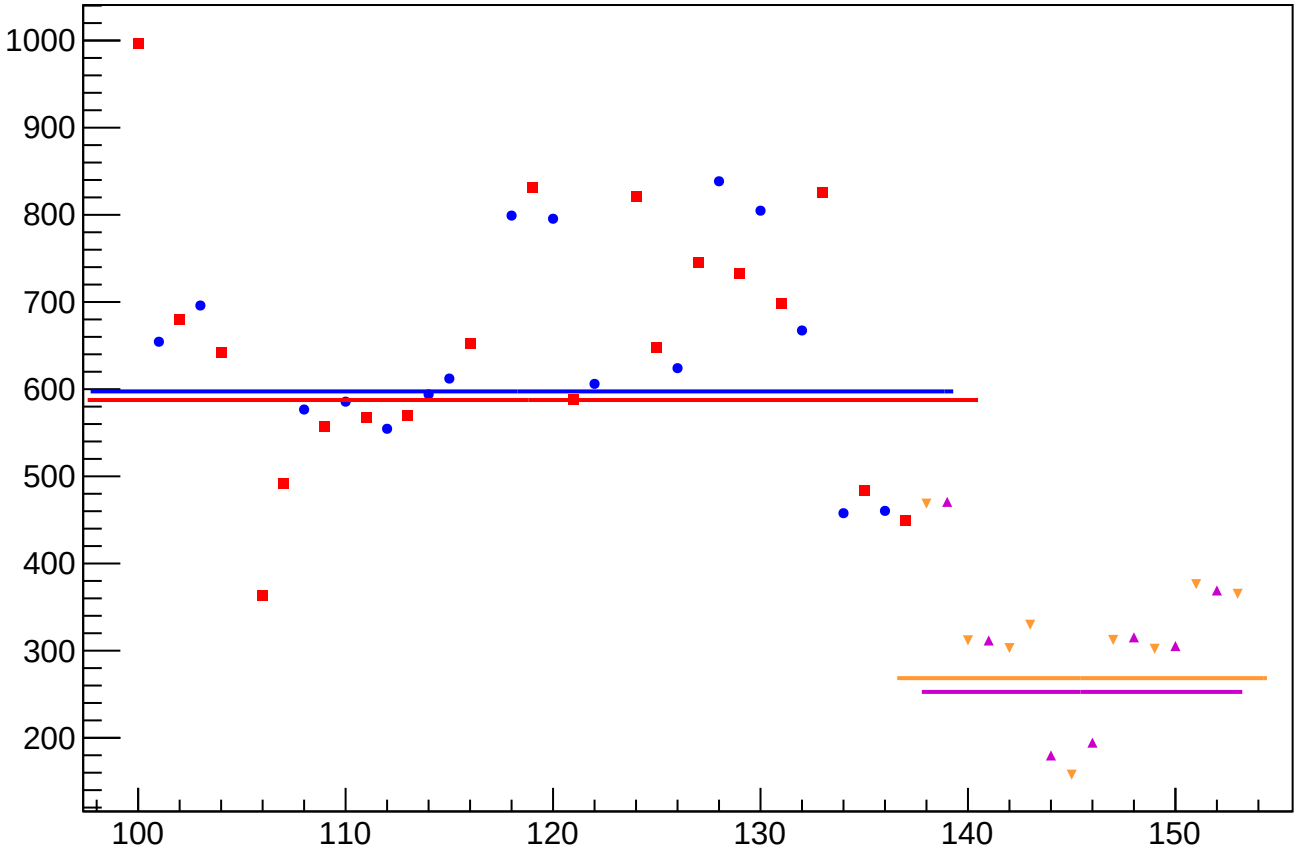
Left In: -94.222+/-108.893 χ^2/NDF:4.5/6

+ sign -381.918+/-97.264 χ^2/NDF: 49.4/24

All: -282.258+/-68.920 χ^2/NDF: 72.6/50

- sign -181.763+/-97.671 χ^2/NDF: 21.1/25

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 268.479+/-0.076 χ^2/NDF:1480718.6/8

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

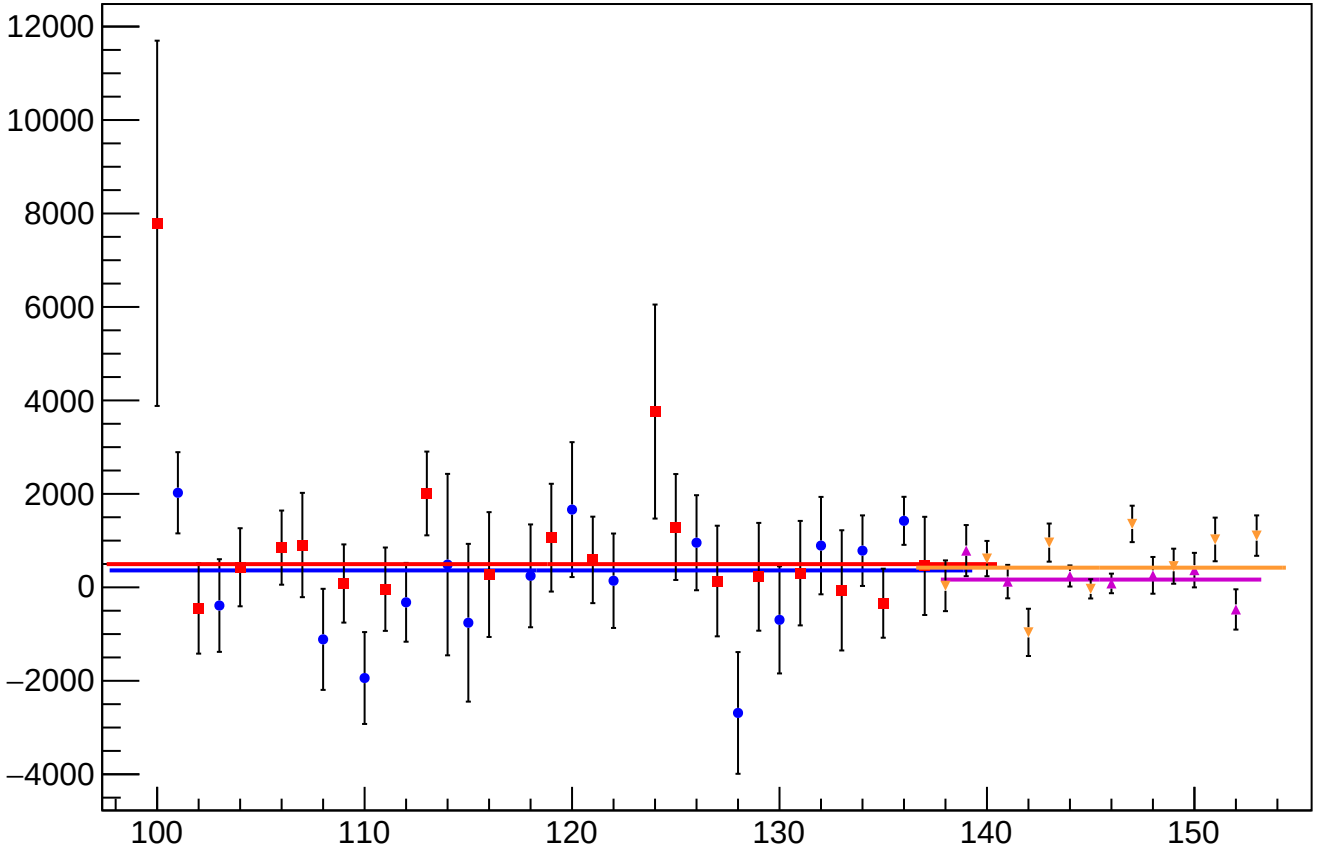
Left In: 252.692+/-0.077 χ^2/NDF:1126676.2/6

+ sign 328.456+/-0.069 χ^2/NDF: 5425096.0/24

All: 323.328+/-0.049 χ^2/NDF: 10949519.7/50

- sign 318.156+/-0.069 χ^2/NDF: 5513257.1/25

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 421.080+/-121.714 χ^2/NDF:24.8/8

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

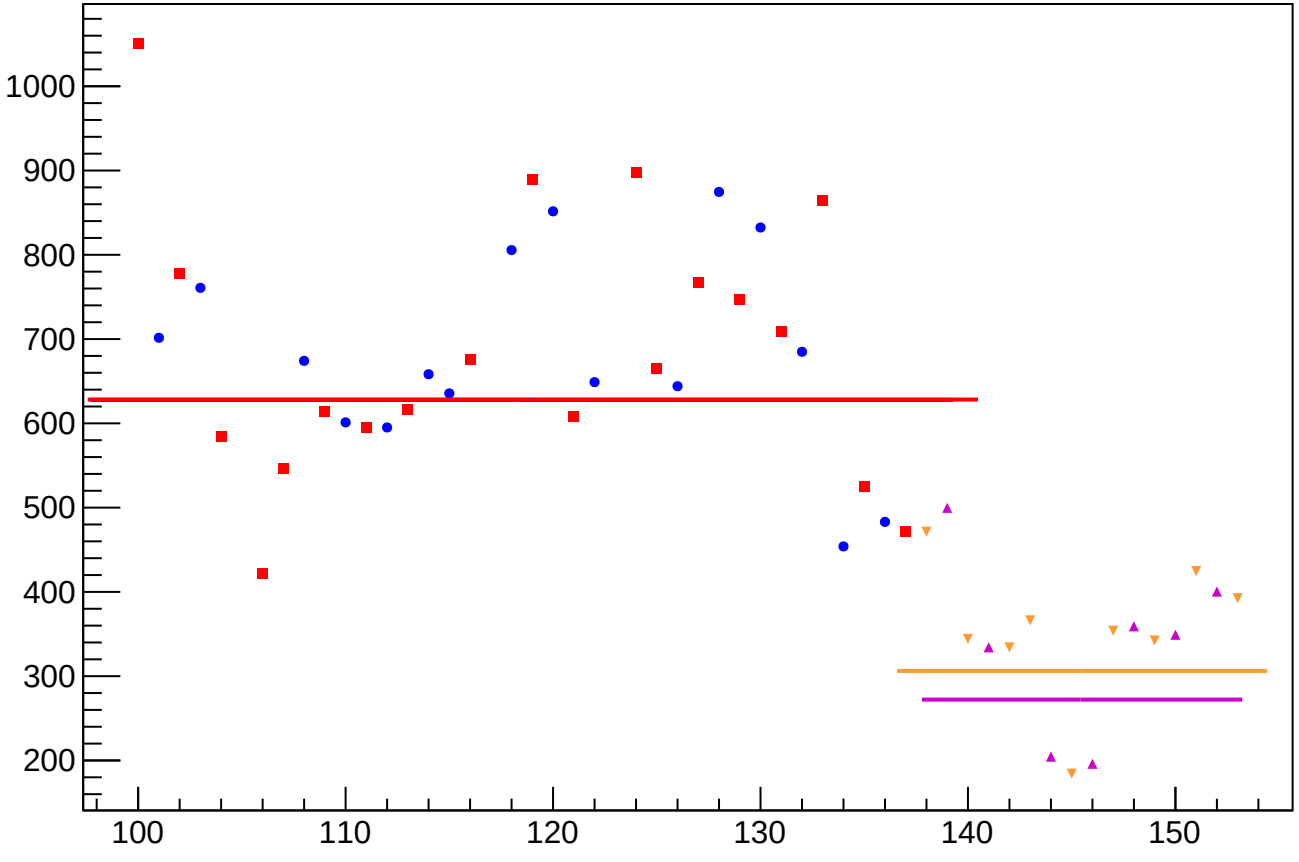
Left In: 166.174+/-117.255 χ^2/NDF:4.1/6

+ sign 409.096+/-108.580 χ^2/NDF: 49.9/24

All: 317.376+/-75.484 χ^2/NDF: 69.7/50

- sign 231.587+/-105.011 χ^2/NDF: 18.4/25

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 306.222+/-0.086 χ^2/NDF:1212160.3/8

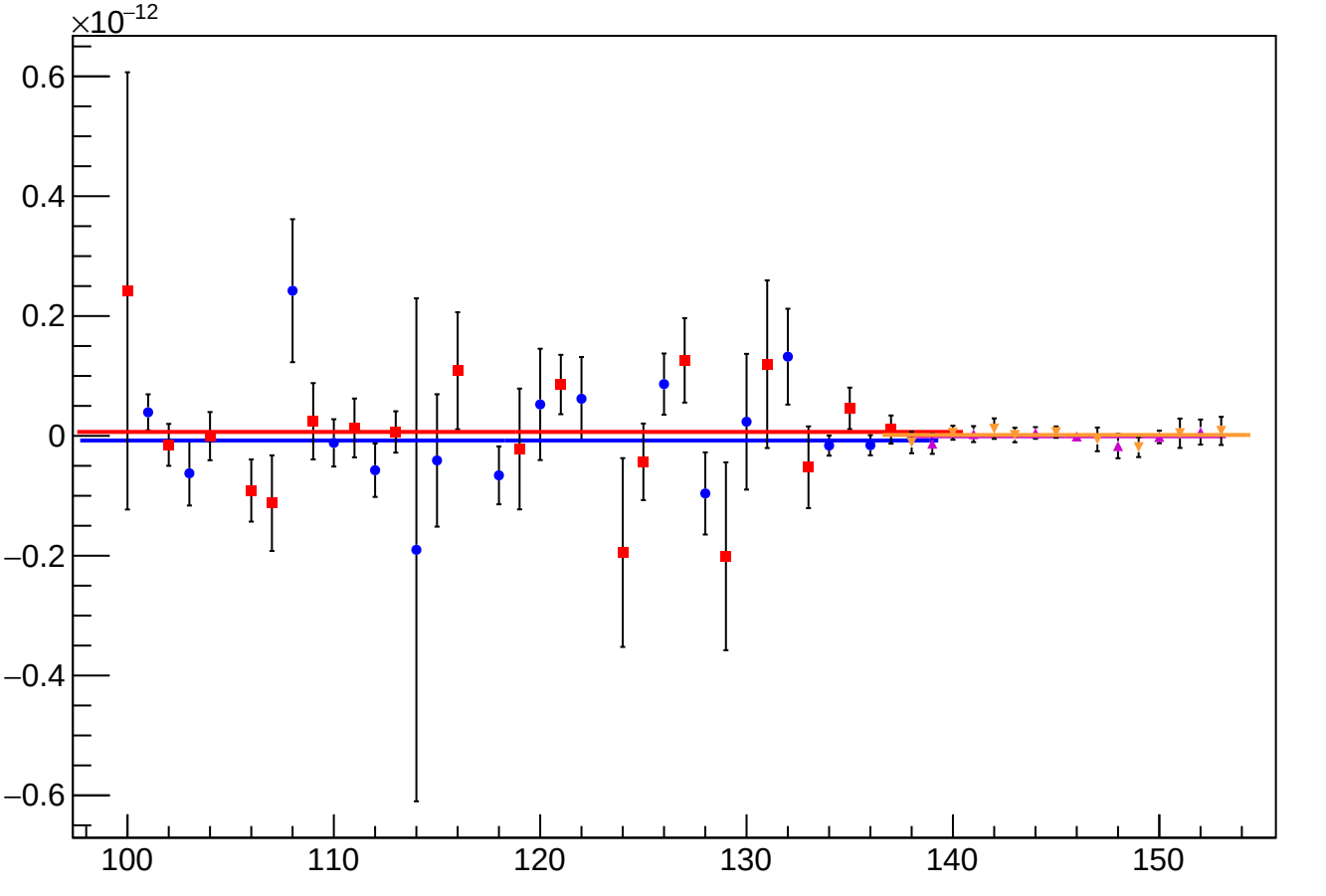
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 272.211+/-0.083 χ^2/NDF:1211161.3/6

+ sign 371.897+/-0.077 χ^2/NDF: 4631057.3/24

All: 356.804+/-0.053 χ^2/NDF: 10138054.1/50

- sign 342.686+/-0.074 χ^2/NDF: 5432203.4/25



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/8

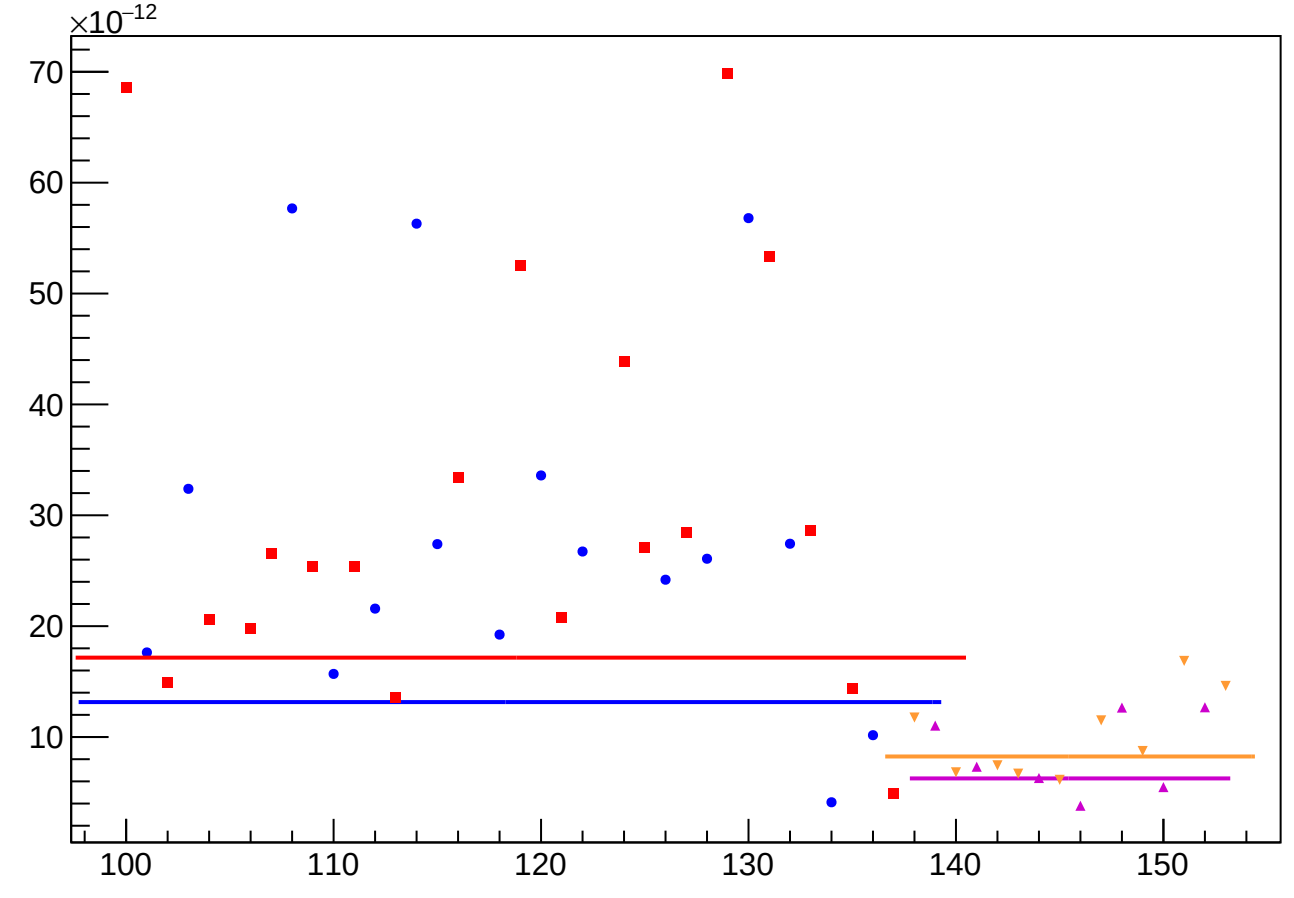
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/24

All: -0.000+/-0.000 χ^2/NDF: 46.7/50

- sign 0.000+/-0.000 χ^2/NDF: 22.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:691778.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

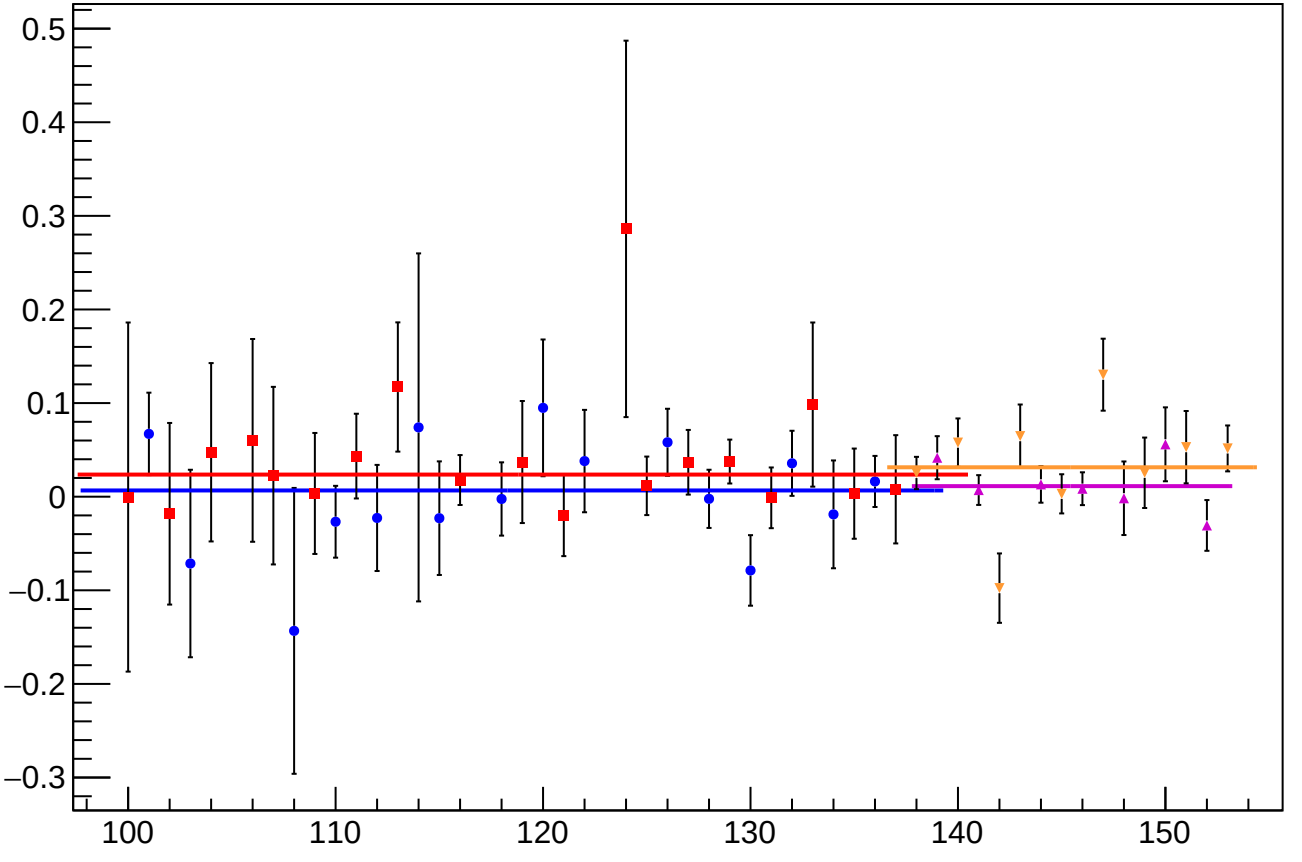
Left In: 0.000+/-0.000 χ^2/NDF:788330.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 3204753.9/24

All: 0.000+/-0.000 χ^2/NDF: 7351708.0/50

- sign 0.000+/-0.000 χ^2/NDF: 3992811.5/25

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.031+/-0.009 χ^2/NDF:23.7/8

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

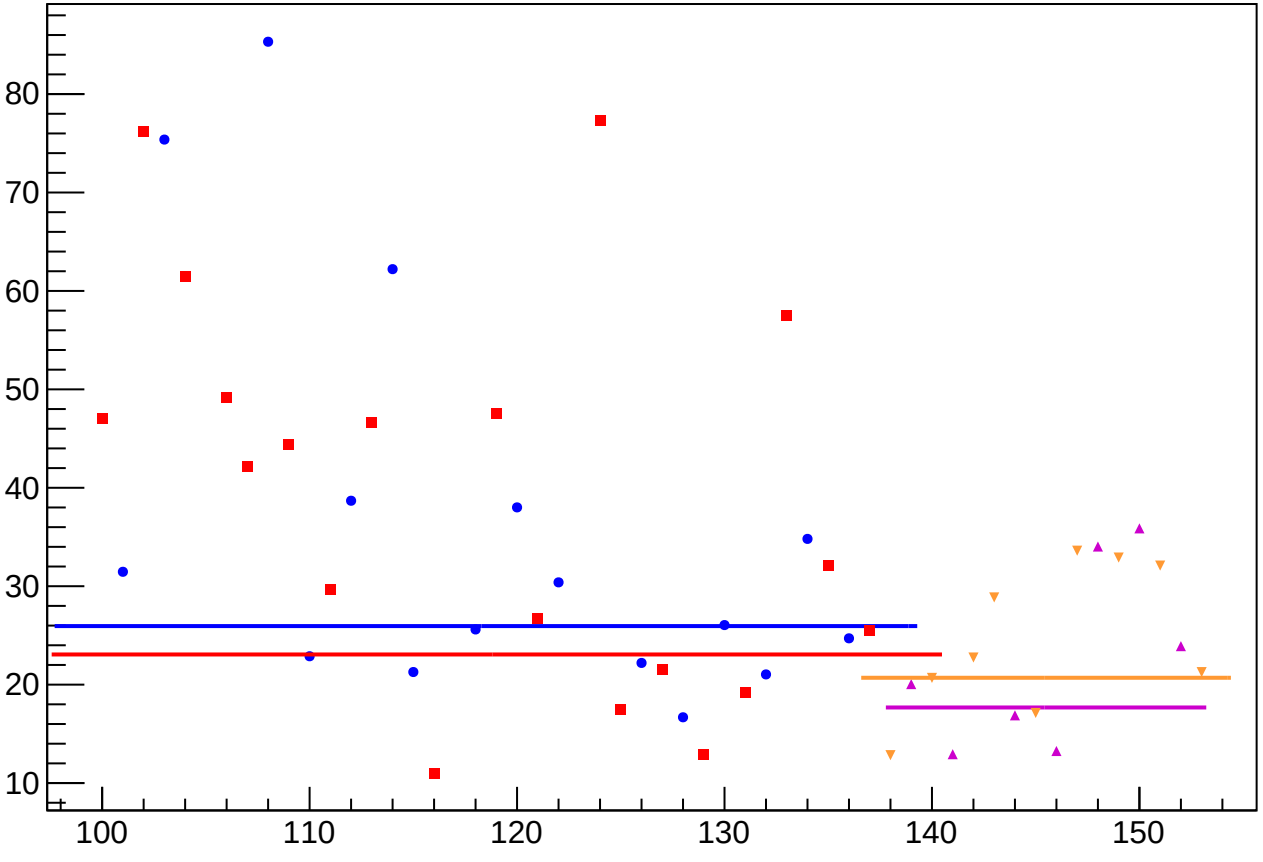
Left In: 0.011+/-0.008 χ^2/NDF:5.6/6

+ sign 0.022+/-0.007 χ^2/NDF: 41.7/24

All: 0.019+/-0.005 χ^2/NDF: 56.1/50

- sign 0.016+/-0.007 χ^2/NDF: 14.0/25

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.698+/-0.006 χ^2/NDF:1208315.4/8

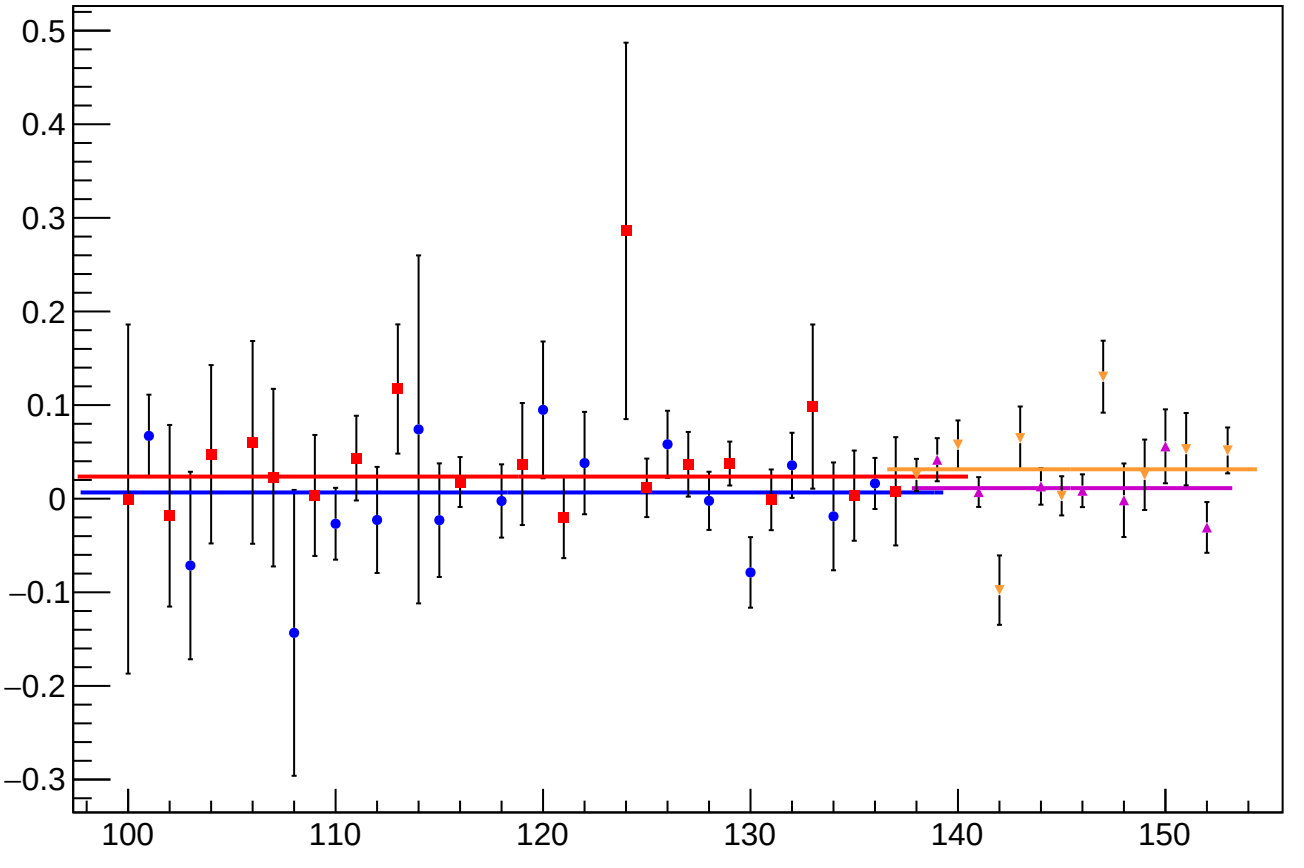
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 17.680+/-0.006 χ^2/NDF:1207277.2/6

+ sign 22.769+/-0.005 χ^2/NDF: 2861011.8/24

All: 21.170+/-0.003 χ^2/NDF: 7949305.9/50

- sign 19.764+/-0.005 χ^2/NDF: 4890486.9/25



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.031+/-0.009 χ^2/NDF:23.7/8

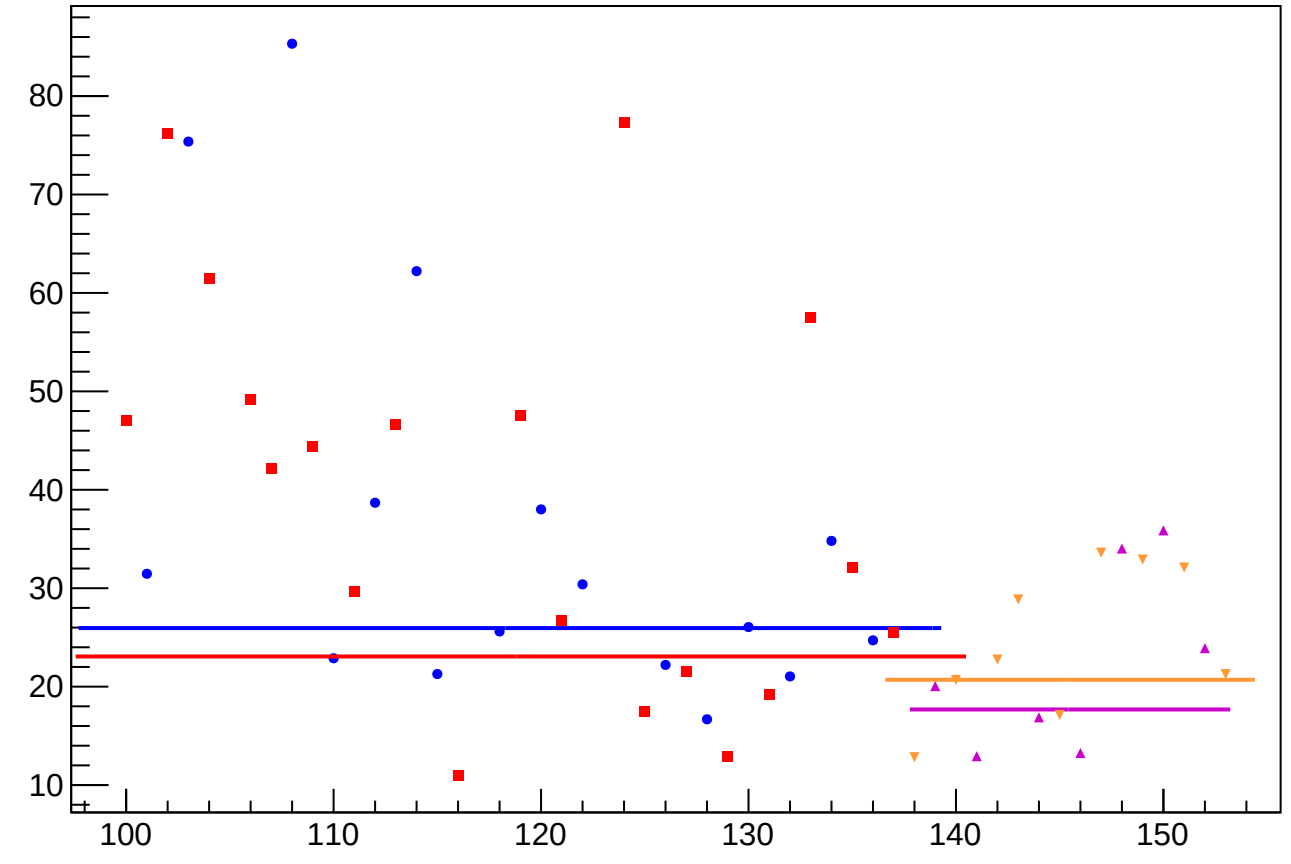
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.011+/-0.008 χ^2/NDF:5.6/6

+ sign 0.022+/-0.007 χ^2/NDF: 41.7/24

All: 0.019+/-0.005 χ^2/NDF: 56.1/50

- sign 0.016+/-0.007 χ^2/NDF: 14.0/25



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.698+/-0.006 χ^2/NDF:1208315.4/8

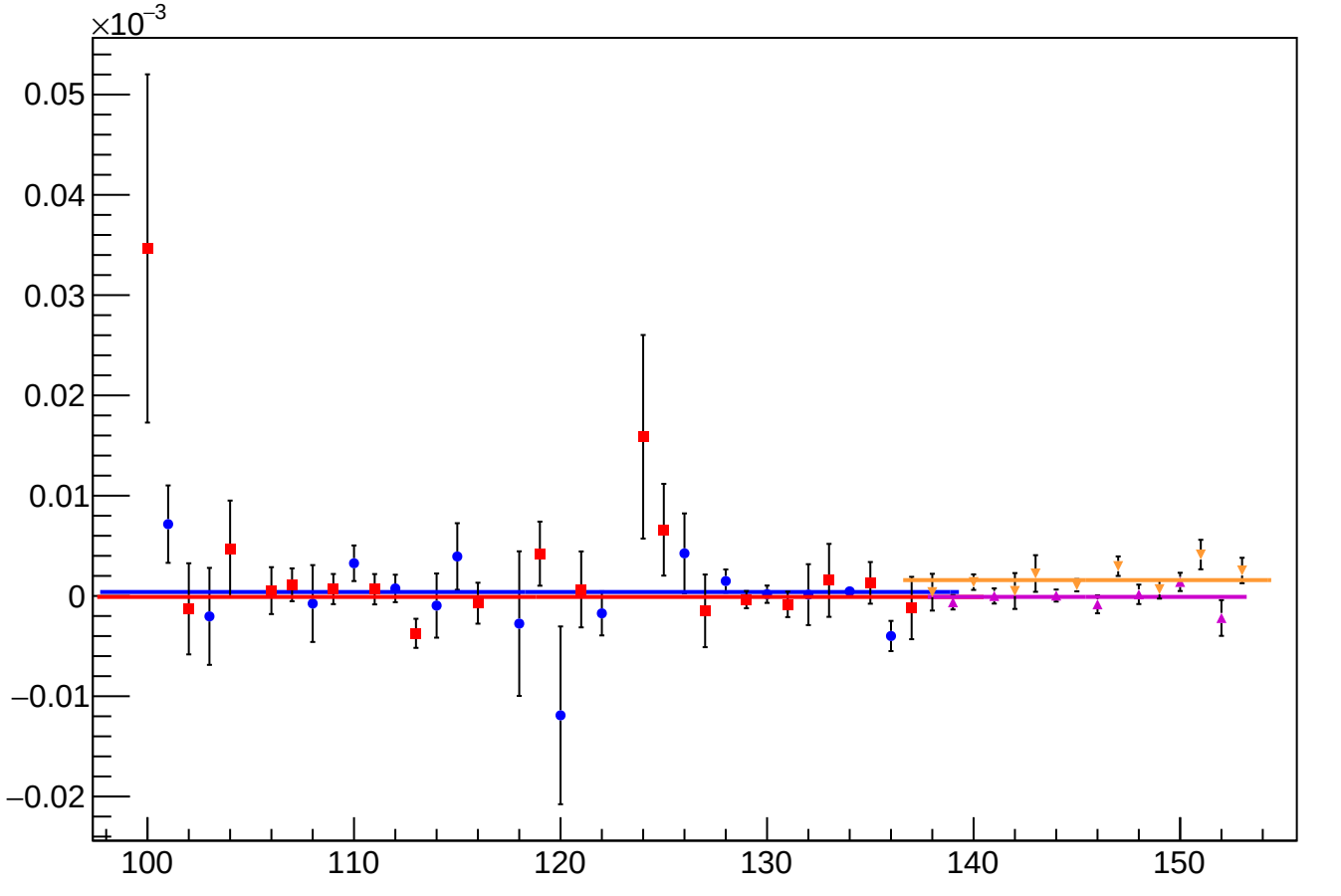
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 17.680+/-0.006 χ^2/NDF:1207277.2/6

+ sign 22.769+/-0.005 χ^2/NDF: 2861011.8/24

All: 21.170+/-0.003 χ^2/NDF: 7949305.9/50

- sign 19.764+/-0.005 χ^2/NDF: 4890486.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/8

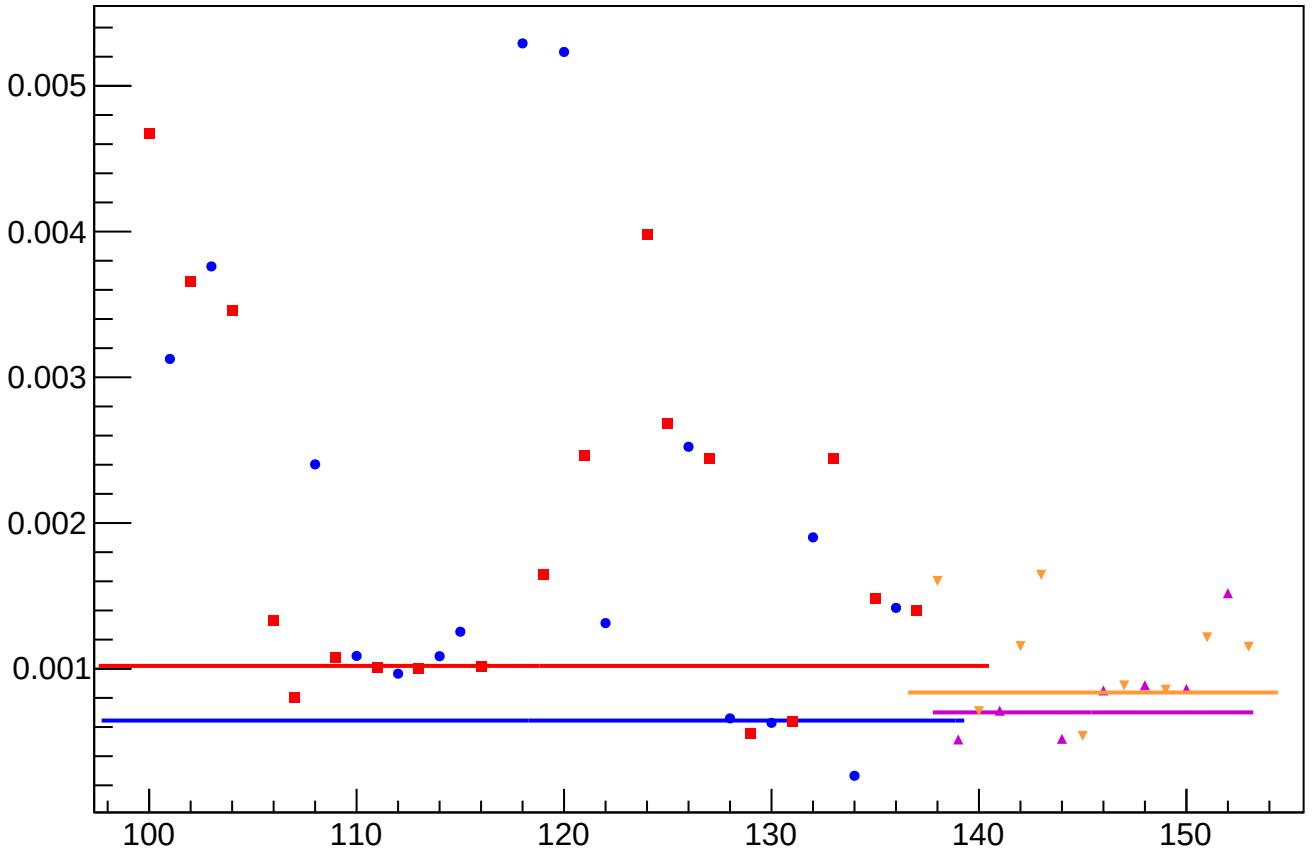
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/24

All: 0.000+/-0.000 χ^2/NDF: 70.4/50

- sign -0.000+/-0.000 χ^2/NDF: 25.9/25



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1593614.8/8

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

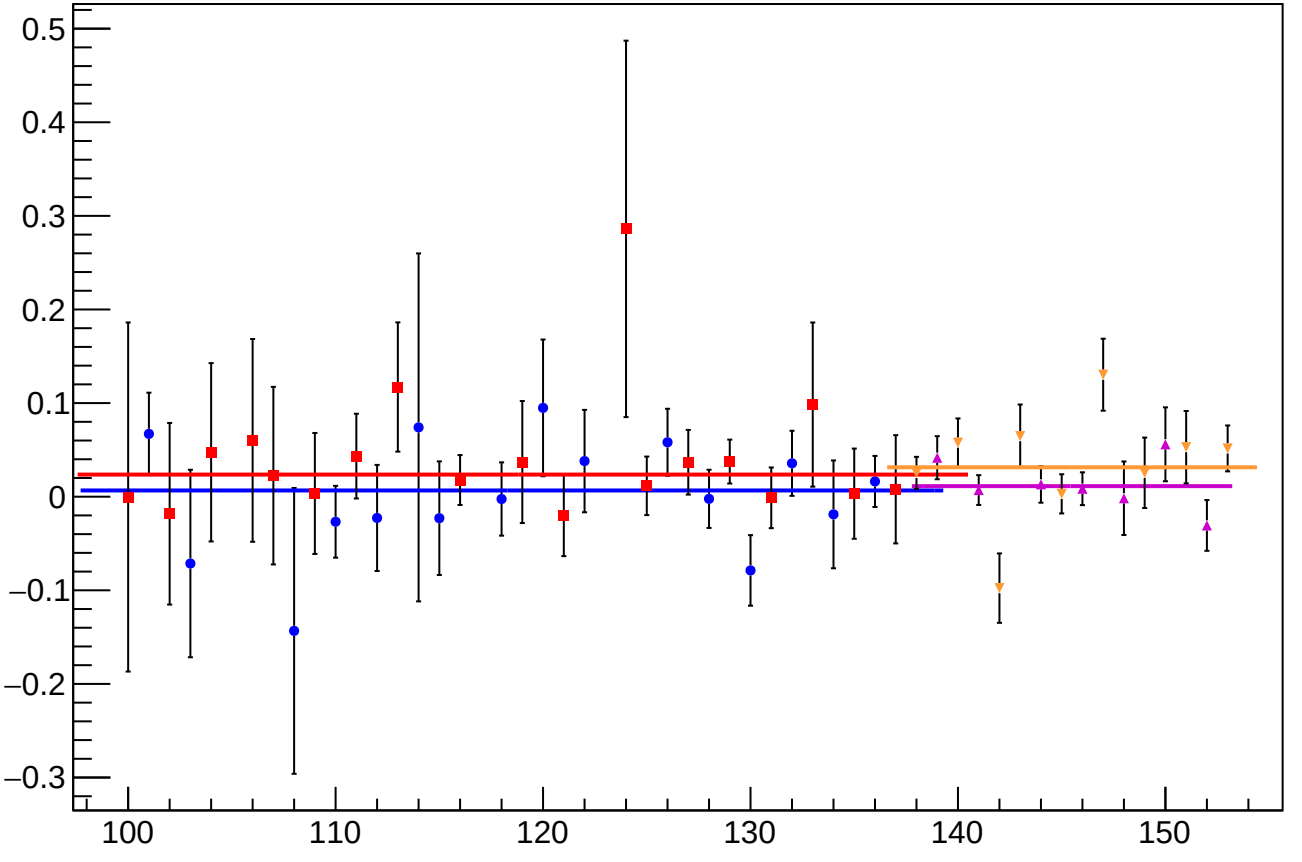
Left In: 0.001+/-0.000 χ^2/NDF:928408.9/6

+ sign 0.001+/-0.000 χ^2/NDF: 8487263.7/24

All: 0.001+/-0.000 χ^2/NDF: 13822310.5/50

- sign 0.001+/-0.000 χ^2/NDF: 5268951.7/25

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.031+/-0.009 χ^2/NDF:23.7/8

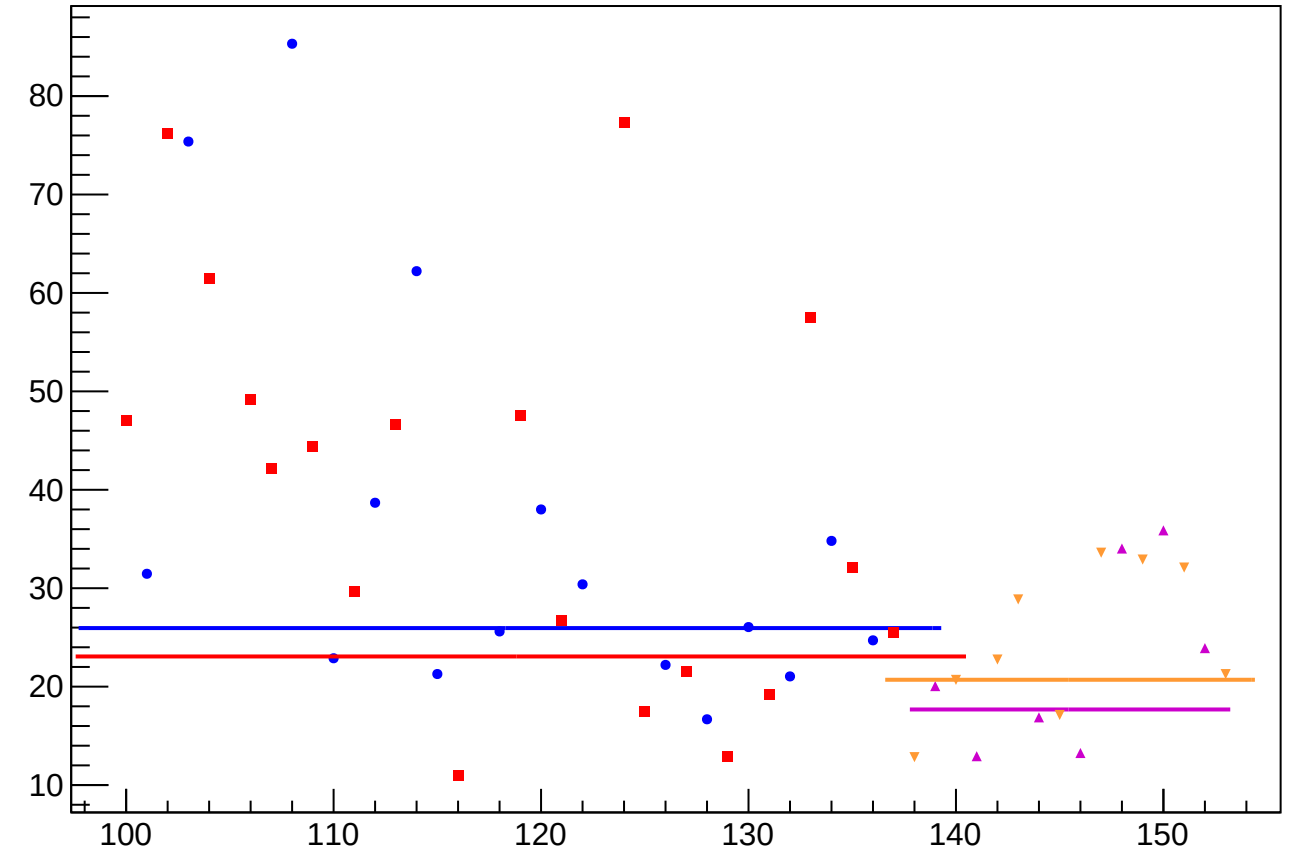
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.011+/-0.008 χ^2/NDF:5.6/6

+ sign 0.022+/-0.007 χ^2/NDF: 41.7/24

All: 0.019+/-0.005 χ^2/NDF: 56.1/50

- sign 0.016+/-0.007 χ^2/NDF: 14.0/25



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.699+/-0.006 χ^2/NDF:1208360.0/8

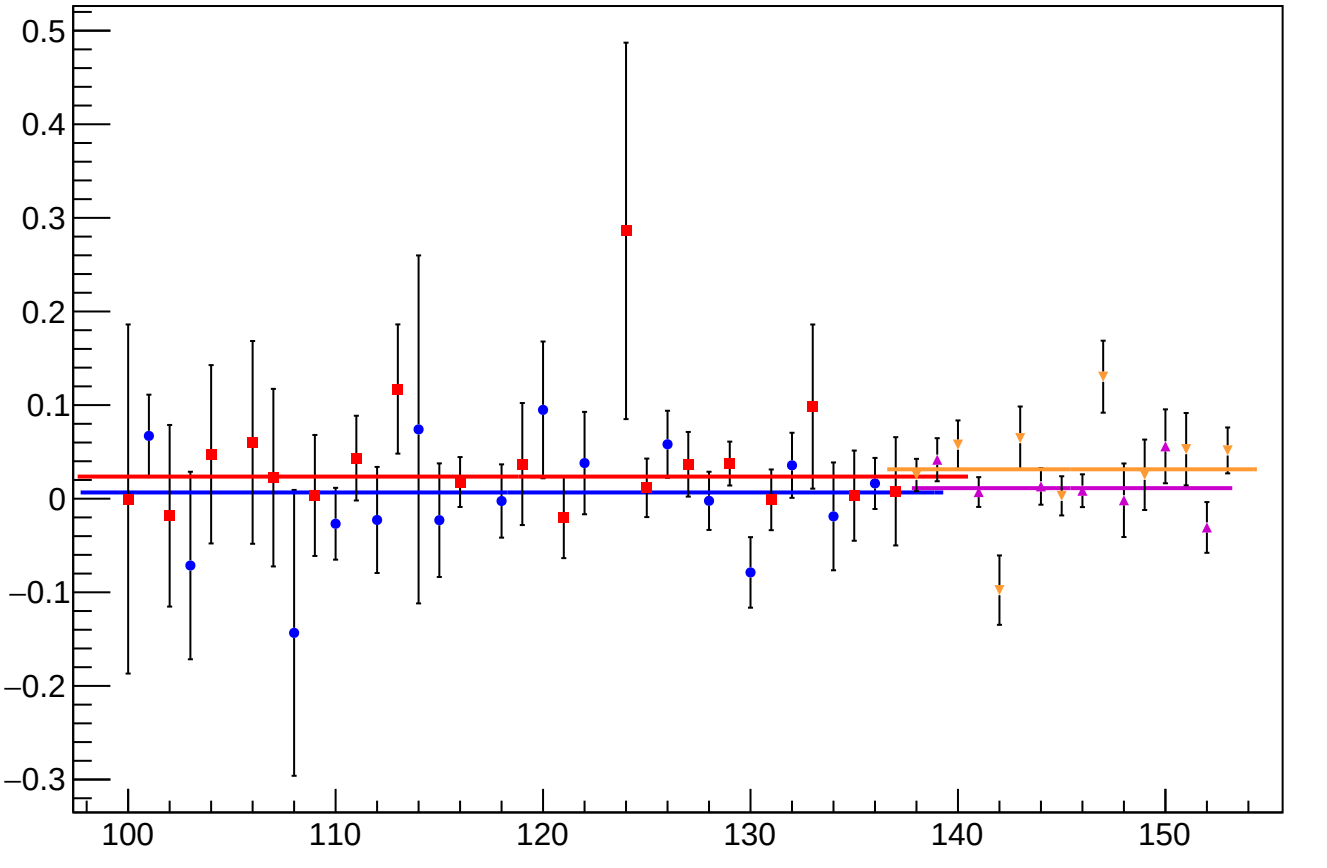
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 17.680+/-0.006 χ^2/NDF:1207327.0/6

+ sign 22.770+/-0.005 χ^2/NDF: 2860984.6/24

All: 21.170+/-0.003 χ^2/NDF: 7949218.8/50

- sign 19.765+/-0.005 χ^2/NDF: 4890403.7/25



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.031+/-0.009 χ^2/NDF:23.7/8

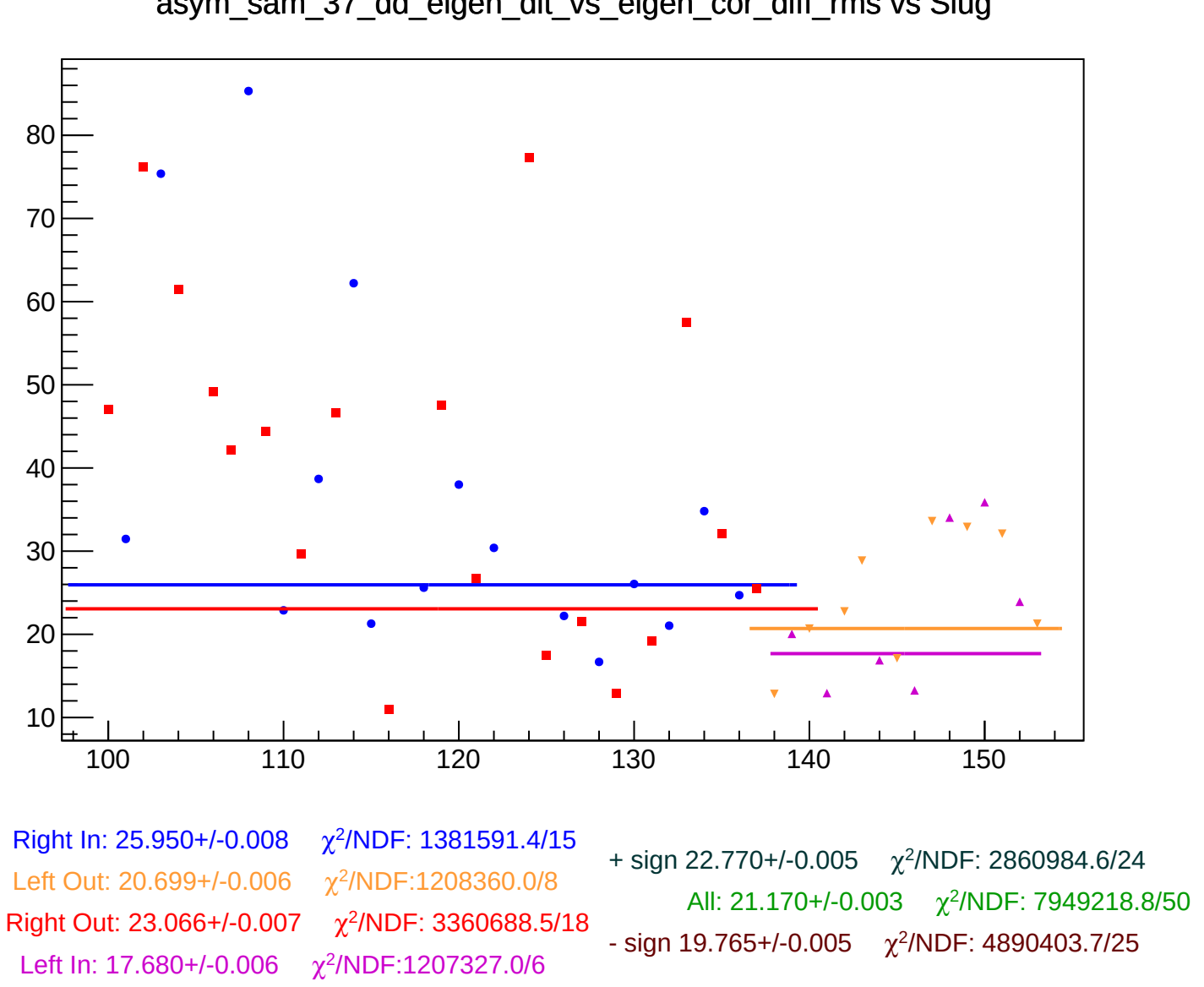
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

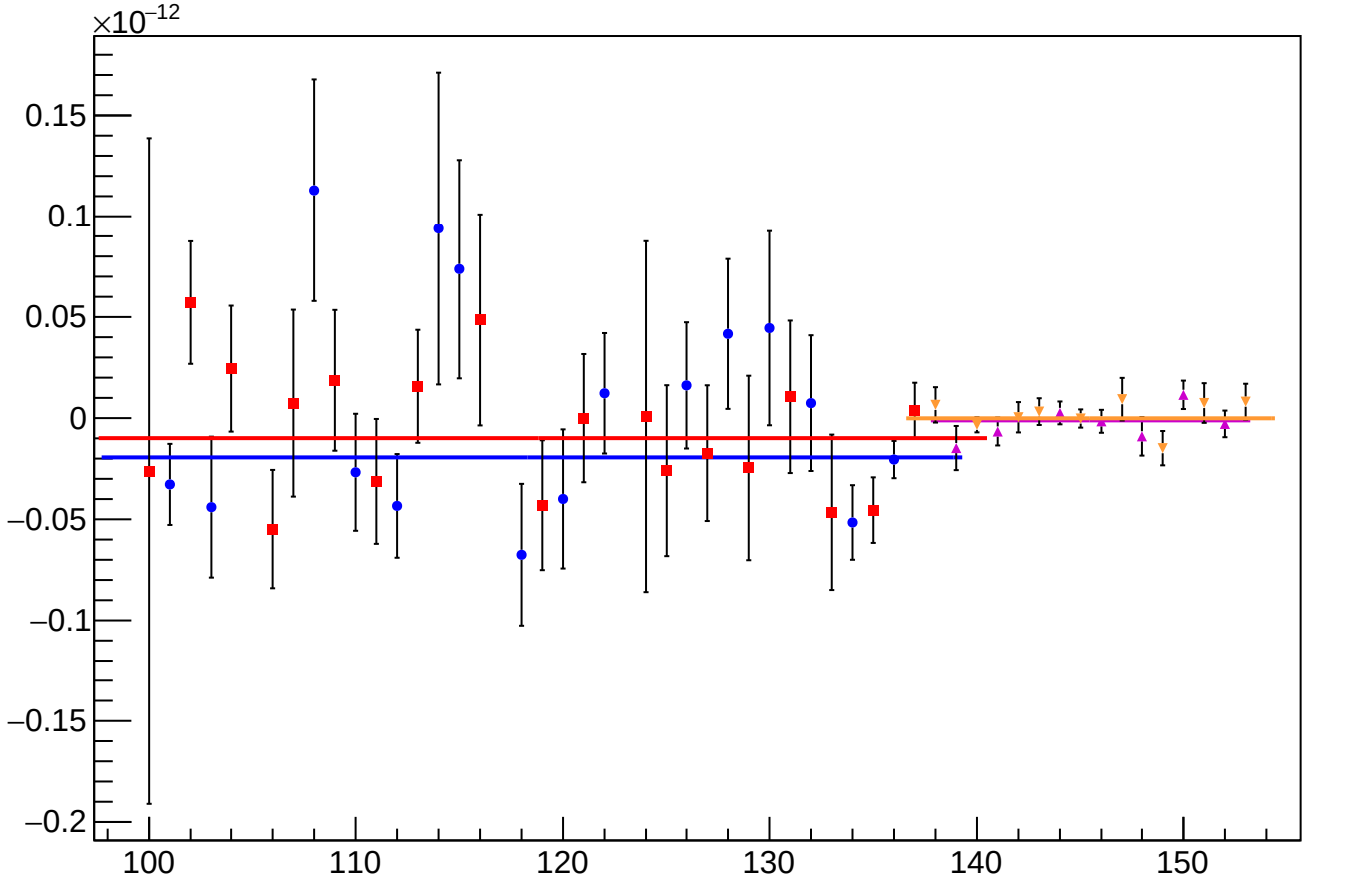
Left In: 0.011+/-0.008 χ^2/NDF:5.6/6

+ sign 0.022+/-0.007 χ^2/NDF: 41.7/24

All: 0.019+/-0.005 χ^2/NDF: 56.1/50

- sign 0.016+/-0.007 χ^2/NDF: 14.0/25


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 25.950+/-0.008 χ²/NDF: 1381591.4/15
Left Out: 20.699+/-0.006 χ²/NDF:1208360.0/8
Right Out: 23.066+/-0.007 χ²/NDF: 3360688.5/18
Left In: 17.680+/-0.006 χ²/NDF:1207327.0/6
+ sign 22.770+/-0.005 χ²/NDF: 2860984.6/24
All: 21.170+/-0.003 χ²/NDF: 7949218.8/50
- sign 19.765+/-0.005 χ²/NDF: 4890403.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/8

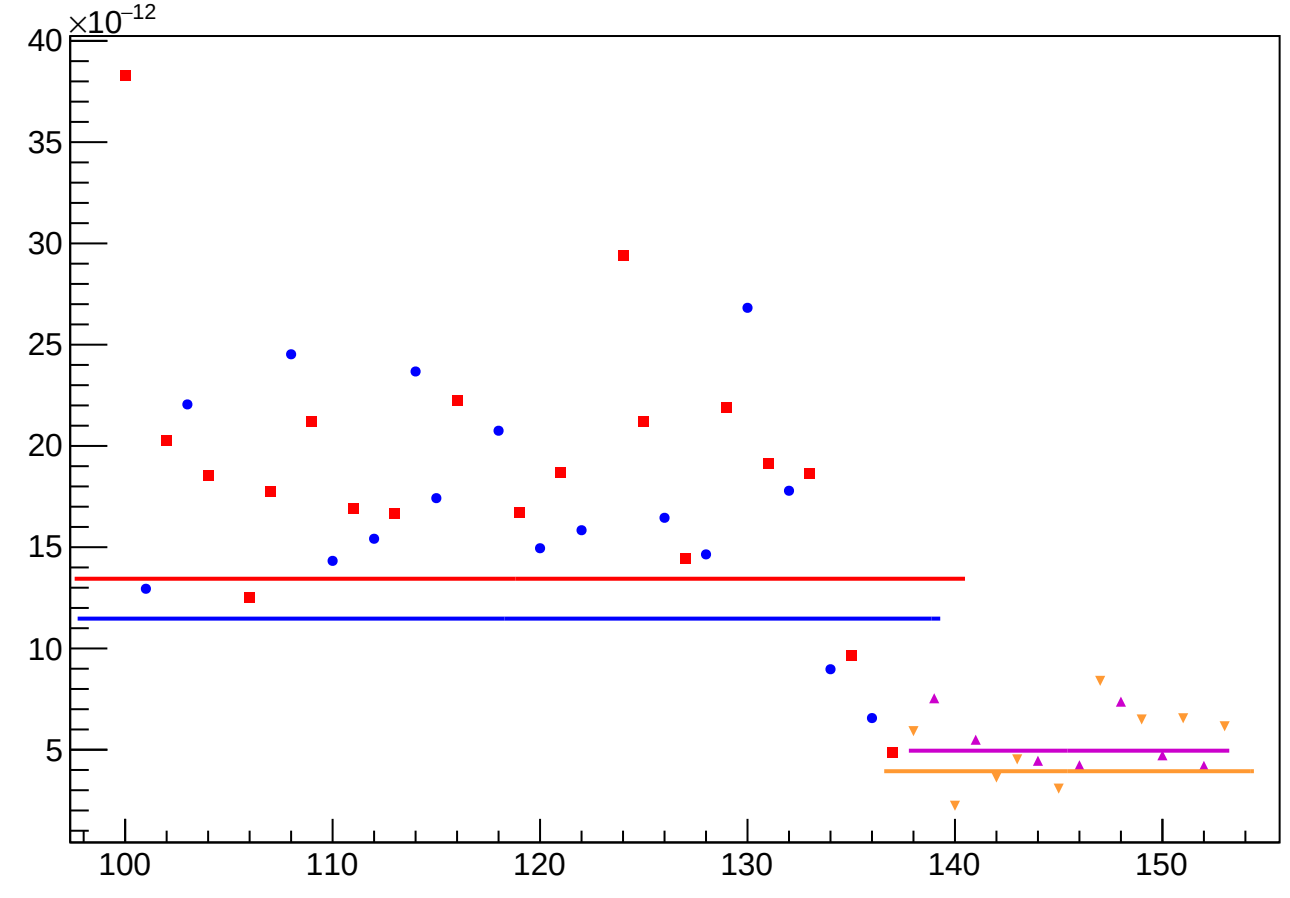
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/6

+ sign -0.000+/-0.000 χ^2/NDF: 41.6/24

All: -0.000+/-0.000 χ^2/NDF: 70.1/50

- sign -0.000+/-0.000 χ^2/NDF: 28.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1419807.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

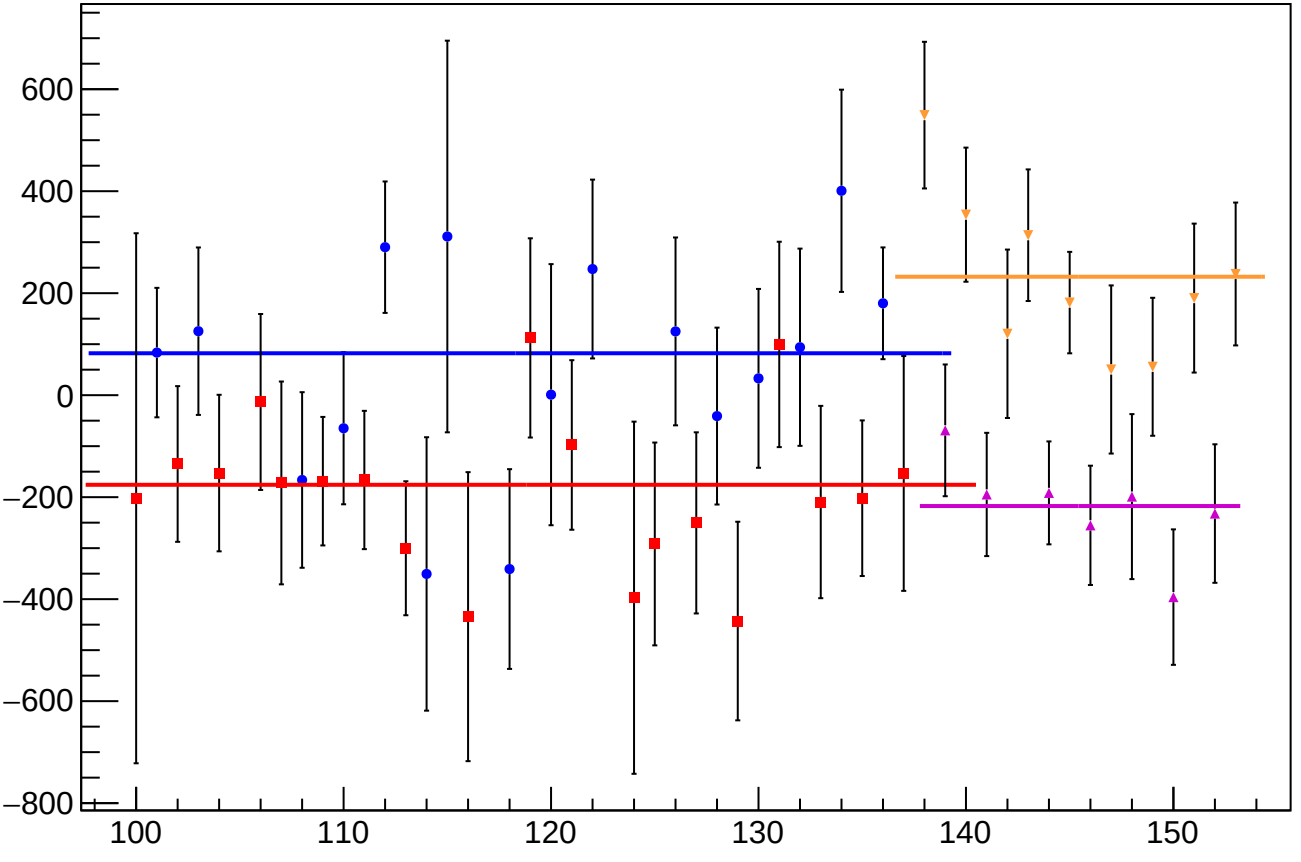
Left In: 0.000+/-0.000 χ^2/NDF:329799.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 5793777.2/24

All: 0.000+/-0.000 χ^2/NDF: 10856435.3/50

- sign 0.000+/-0.000 χ^2/NDF: 4734339.4/25

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 232.253+/-45.024 χ^2/NDF:9.8/8

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

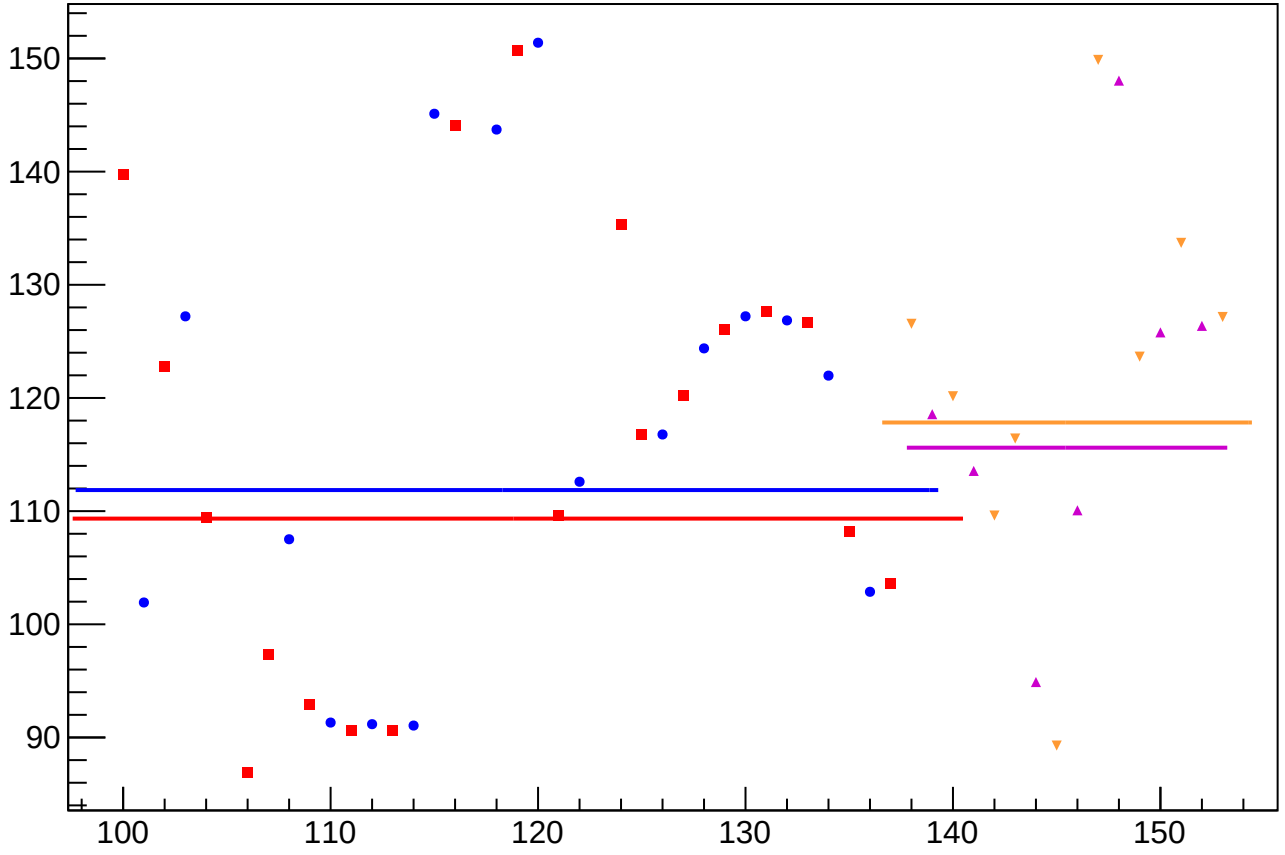
Left In: -217.381+/-47.203 χ^2/NDF:3.4/6

+ sign 152.253+/-30.764 χ^2/NDF: 34.1/24

All: -20.341+/-21.770 χ^2/NDF: 110.8/50

- sign -193.478+/-30.812 χ^2/NDF: 13.7/25

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 117.833+/-0.032 χ^2/NDF:289649.8/8

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

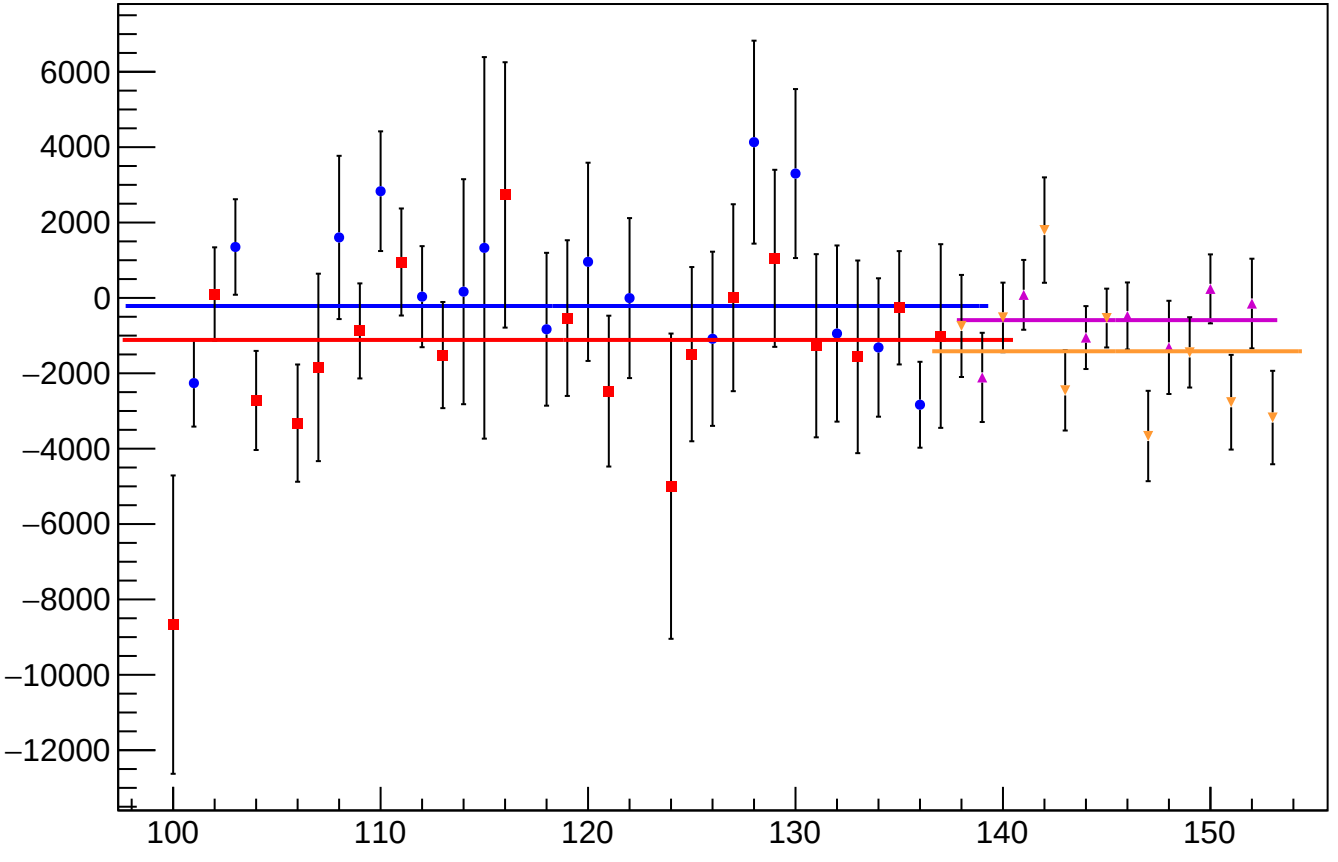
Left In: 115.607+/-0.033 χ^2/NDF:195033.5/6

+ sign 114.650+/-0.022 χ^2/NDF: 614425.3/24

All: 113.332+/-0.015 χ^2/NDF: 1204255.9/50

- sign 112.010+/-0.022 χ^2/NDF: 582482.1/25

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1415.520+/-356.197 χ^2/NDF:15.4/8

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

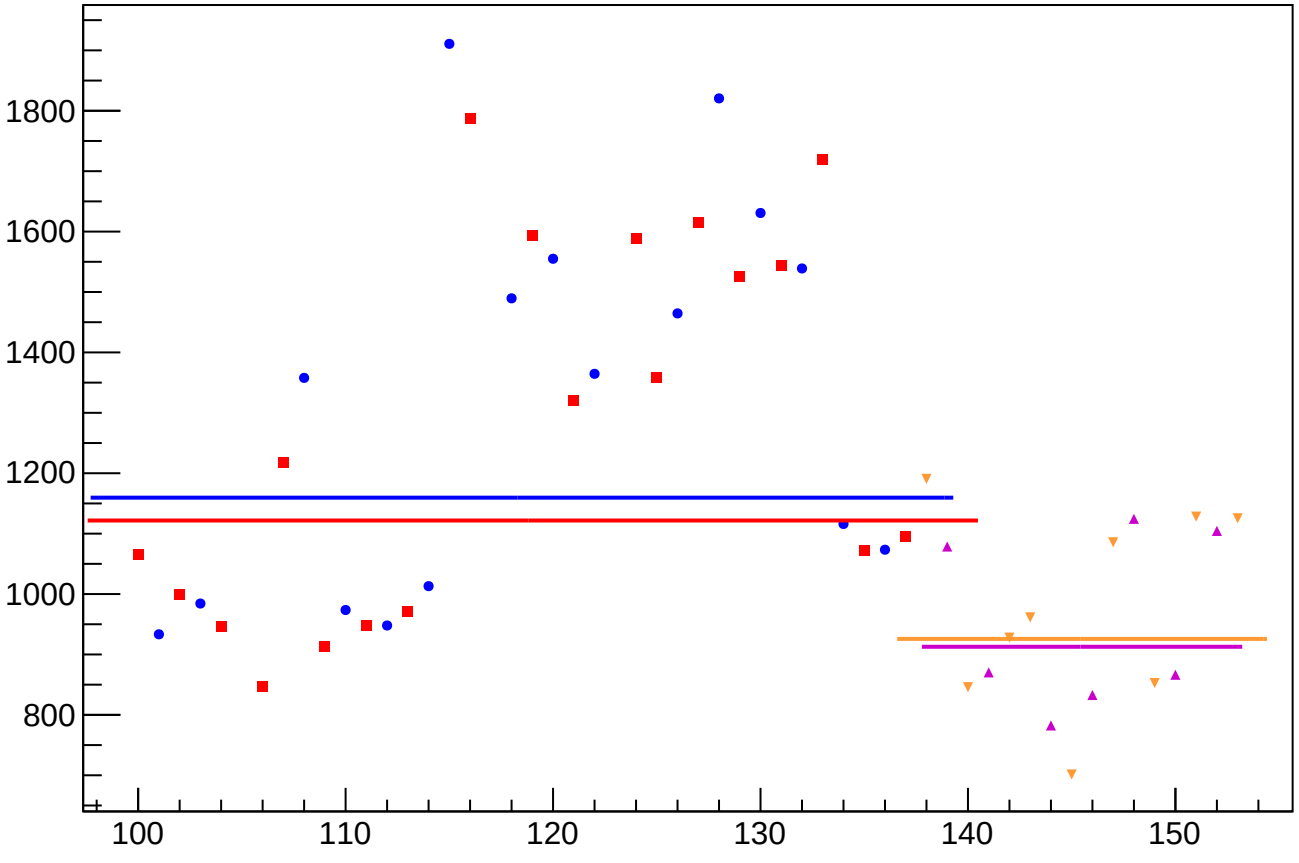
Left In: -589.426+/-374.468 χ^2/NDF:3.8/6

+ sign -945.055+/-277.829 χ^2/NDF: 40.3/24

All: -883.197+/-197.356 χ^2/NDF: 59.6/50

- sign -820.190+/-280.396 χ^2/NDF: 19.2/25

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 925.763+/-0.252 χ^2/NDF:410737.5/8

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

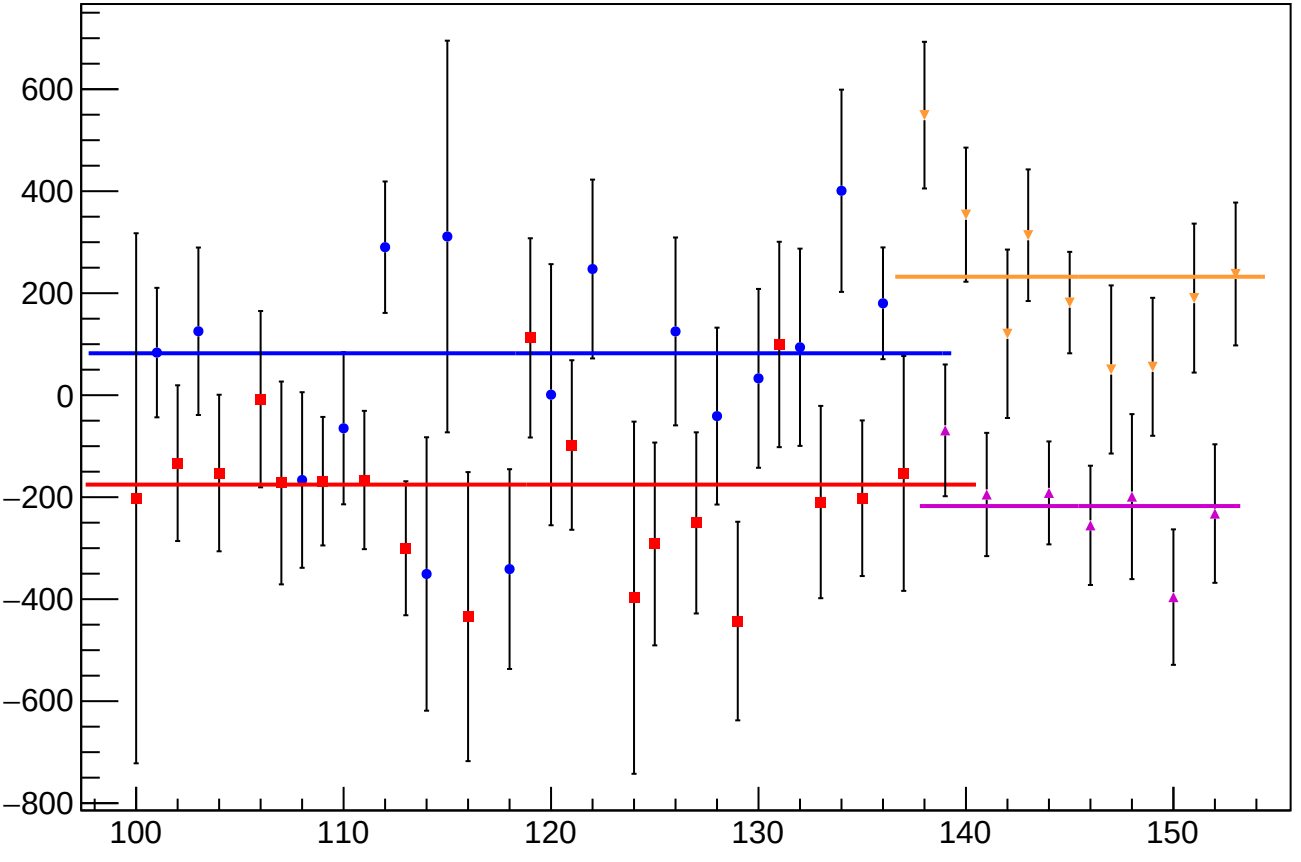
Left In: 912.739+/-0.265 χ^2/NDF:224070.4/6

+ sign 1017.325+/-0.196 χ^2/NDF: 1431887.6/24

All: 1011.002+/-0.140 χ^2/NDF: 2714055.5/50

- sign 1004.563+/-0.198 χ^2/NDF: 1280077.3/25

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 232.264+/-45.024 χ^2/NDF:9.8/8

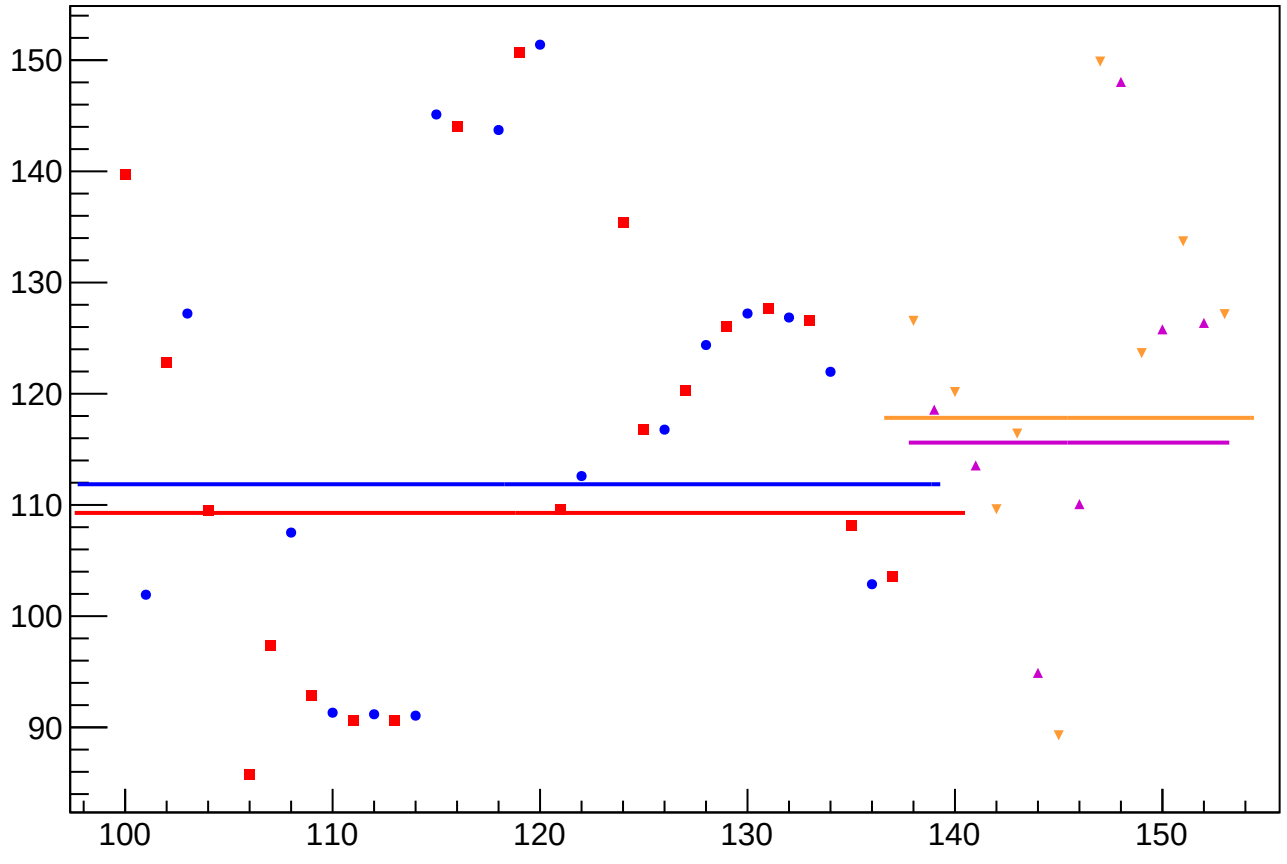
Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: -217.385+/-47.203 χ^2/NDF:3.4/6

+ sign 152.252+/-30.764 χ^2/NDF: 34.1/24

All: -20.218+/-21.771 χ^2/NDF: 110.8/50

- sign -193.257+/-30.815 χ^2/NDF: 13.7/25



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 117.833+/-0.032 χ^2/NDF:289649.7/8

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

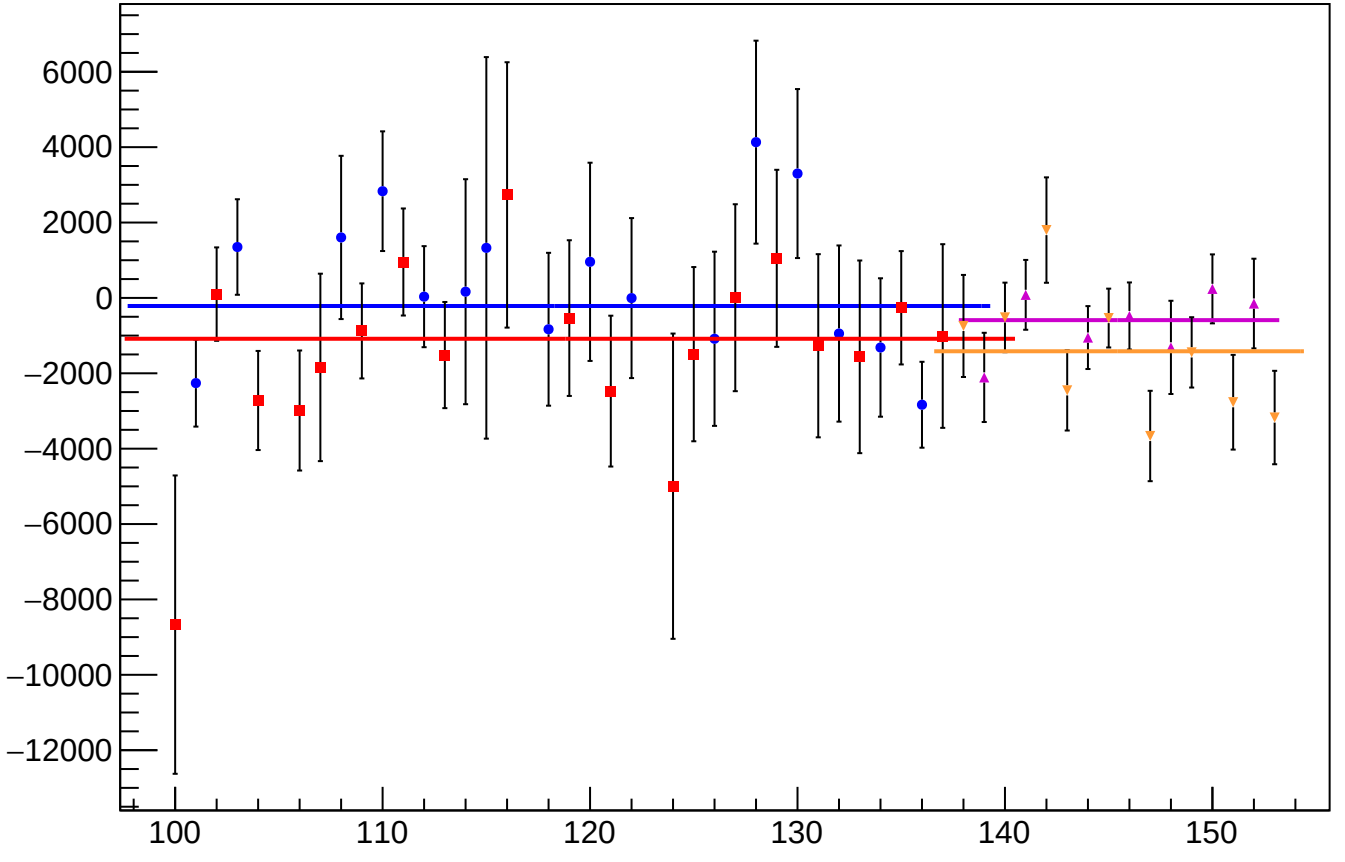
Left In: 115.607+/-0.033 χ^2/NDF:195033.5/6

+ sign 114.650+/-0.022 χ^2/NDF: 614426.3/24

All: 113.316+/-0.015 χ^2/NDF: 1208287.7/50

- sign 111.979+/-0.022 χ^2/NDF: 586335.4/25

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1415.514+/-356.197 χ^2/NDF:15.4/8

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

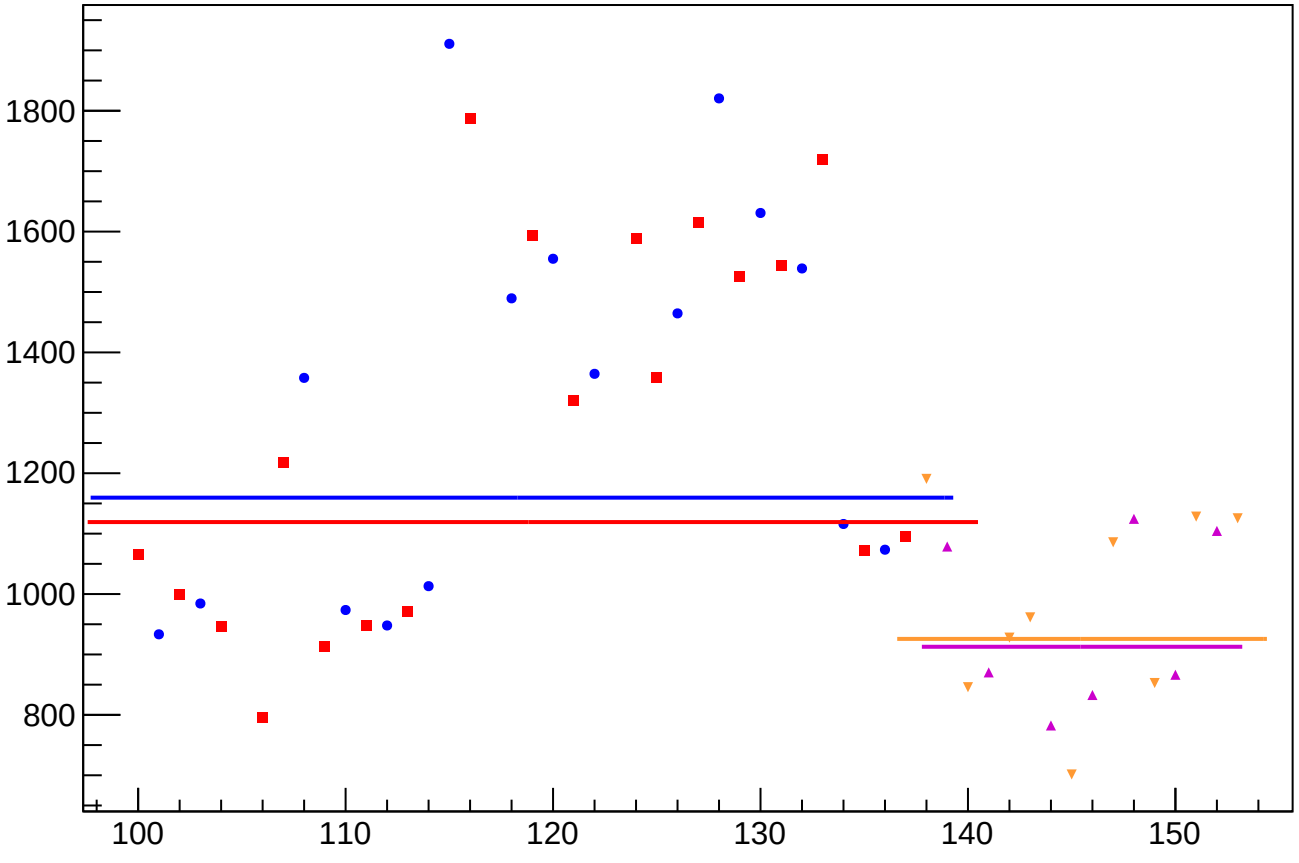
Left In: -589.434+/-374.468 χ^2/NDF:3.8/6

+ sign -945.091+/-277.830 χ^2/NDF: 40.3/24

All: -876.366+/-197.431 χ^2/NDF: 58.9/50

- sign -806.259+/-280.610 χ^2/NDF: 18.5/25

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 925.763+/-0.252 χ^2/NDF:410740.0/8

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

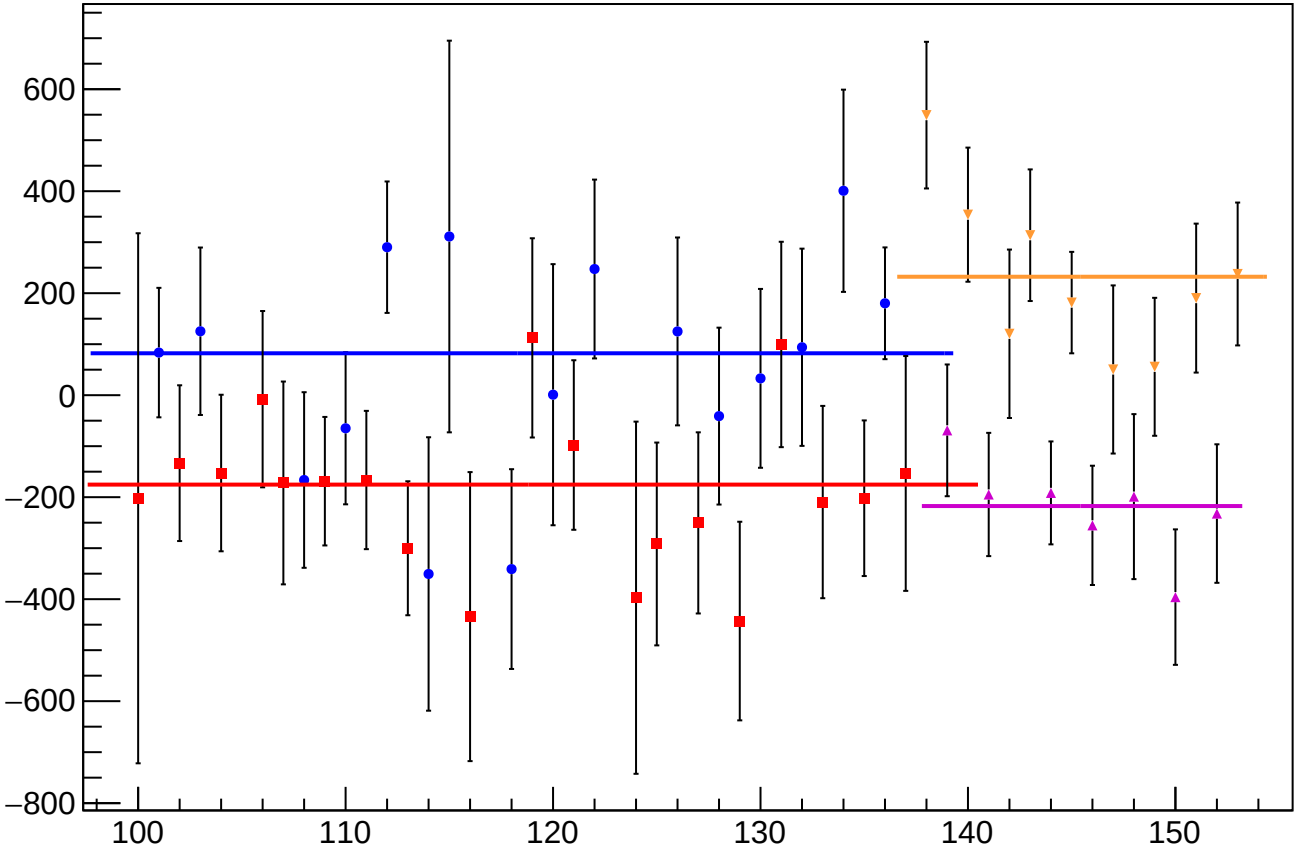
Left In: 912.740+/-0.265 χ^2/NDF:224068.6/6

+ sign 1017.328+/-0.196 χ^2/NDF: 1431884.5/24

All: 1010.357+/-0.140 χ^2/NDF: 2728105.6/50

- sign 1003.246+/-0.198 χ^2/NDF: 1293677.8/25

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 232.264+/-45.024 χ^2/NDF:9.8/8

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

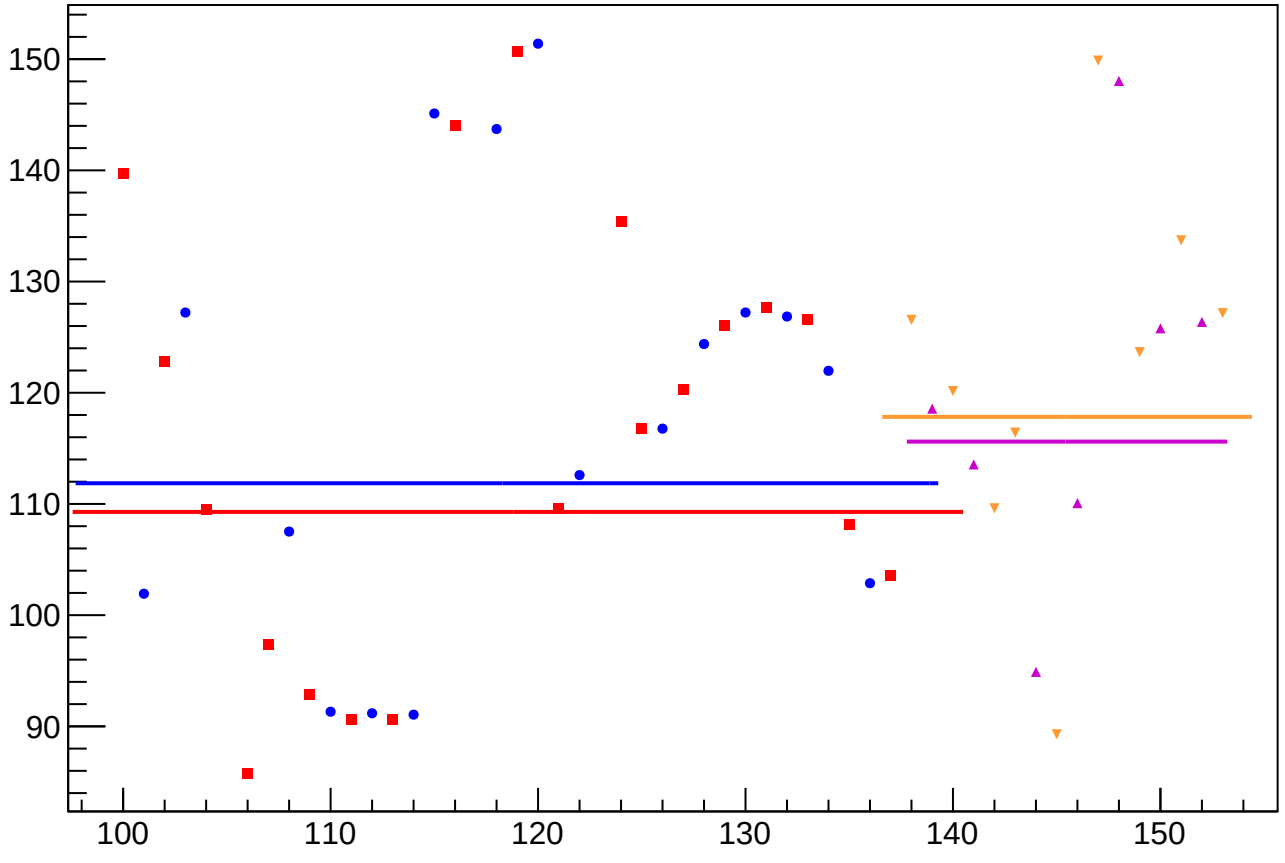
Left In: -217.385+/-47.203 χ^2/NDF:3.4/6

+ sign 152.252+/-30.764 χ^2/NDF: 34.1/24

All: -20.218+/-21.771 χ^2/NDF: 110.8/50

- sign -193.257+/-30.815 χ^2/NDF: 13.7/25

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 117.833+/-0.032 χ^2/NDF:289649.7/8

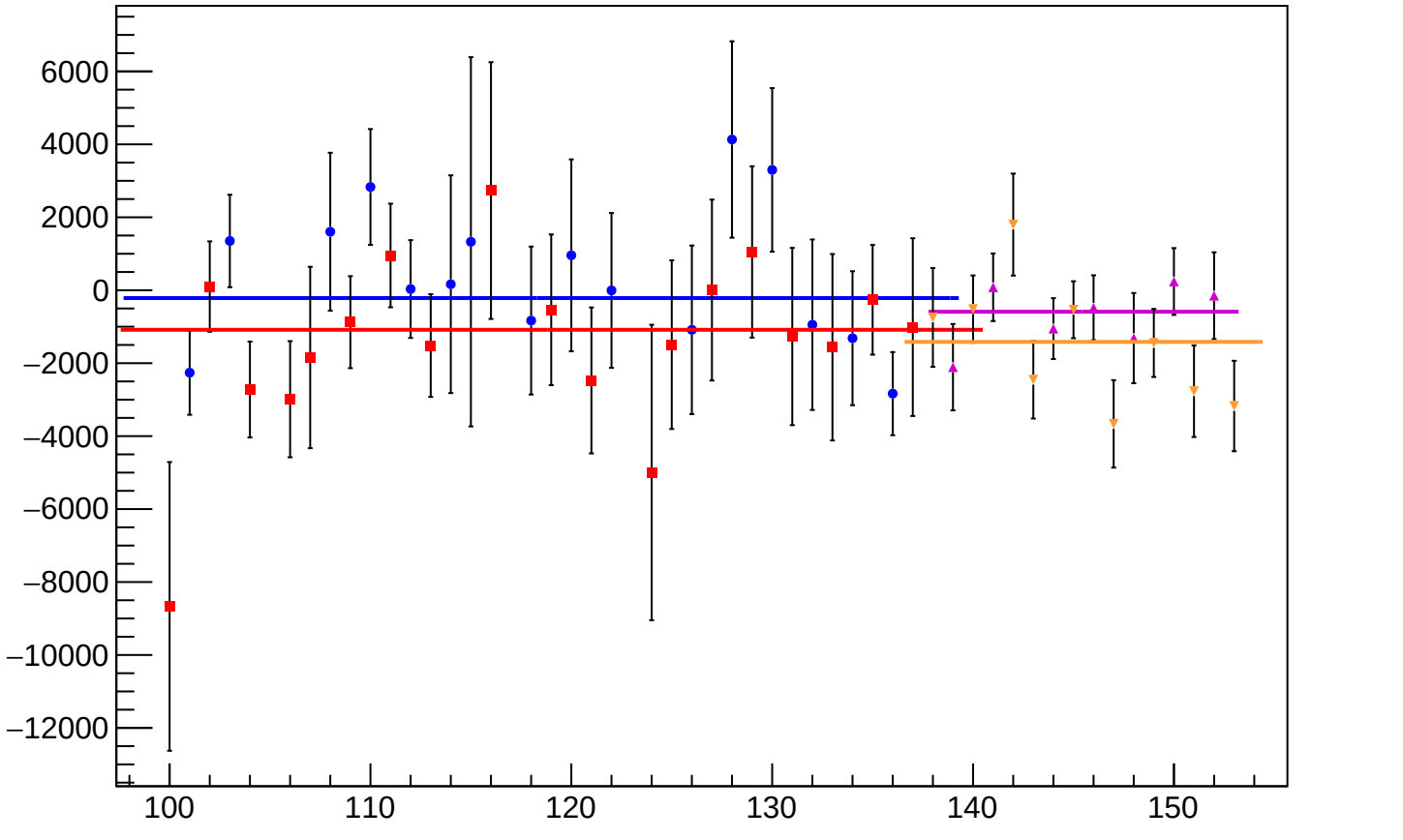
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 115.607+/-0.033 χ^2/NDF:195033.5/6

+ sign 114.650+/-0.022 χ^2/NDF: 614426.3/24

All: 113.316+/-0.015 χ^2/NDF: 1208287.7/50

- sign 111.979+/-0.022 χ^2/NDF: 586335.4/25



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1415.514+/-356.197 χ^2/NDF:15.4/8

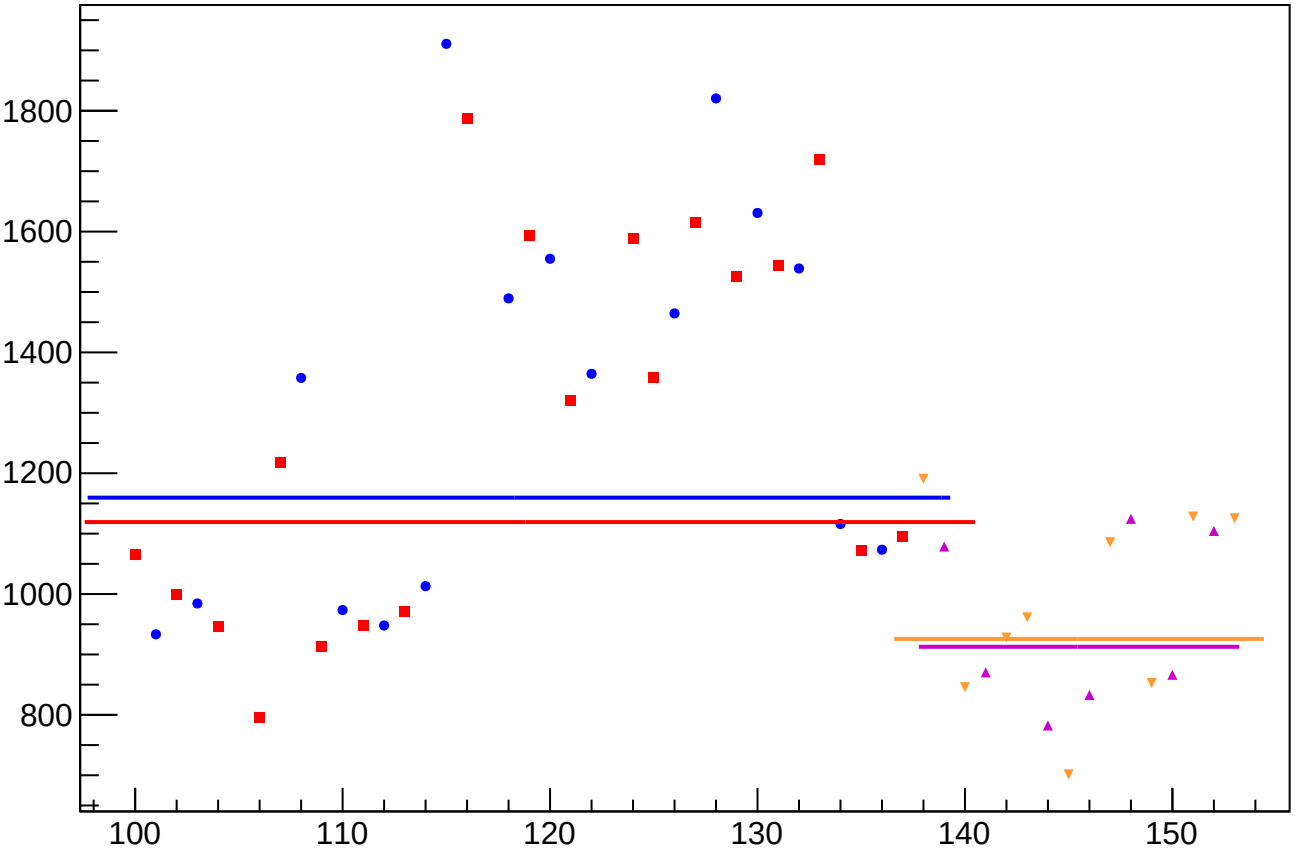
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -589.434+/-374.468 χ^2/NDF:3.8/6

+ sign -945.091+/-277.830 χ^2/NDF: 40.3/24

All: -876.366+/-197.431 χ^2/NDF: 58.9/50

- sign -806.259+/-280.610 χ^2/NDF: 18.5/25



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 925.763+/-0.252 χ^2/NDF:410740.0/8

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

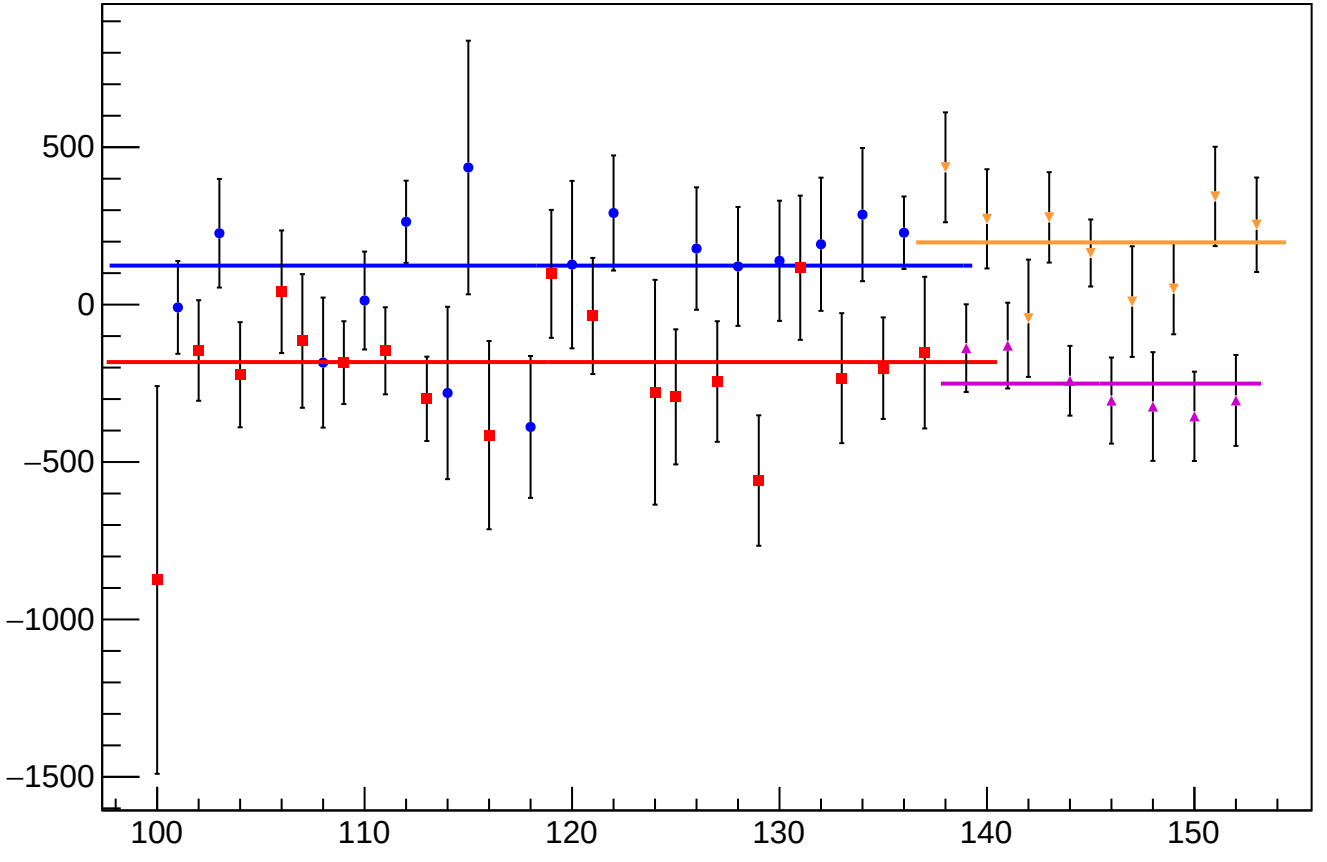
Left In: 912.740+/-0.265 χ^2/NDF:224068.6/6

+ sign 1017.328+/-0.196 χ^2/NDF: 1431884.5/24

All: 1010.357+/-0.140 χ^2/NDF: 2728105.6/50

- sign 1003.246+/-0.198 χ^2/NDF: 1293677.8/25

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 197.745+/-49.793 χ^2/NDF:7.3/8

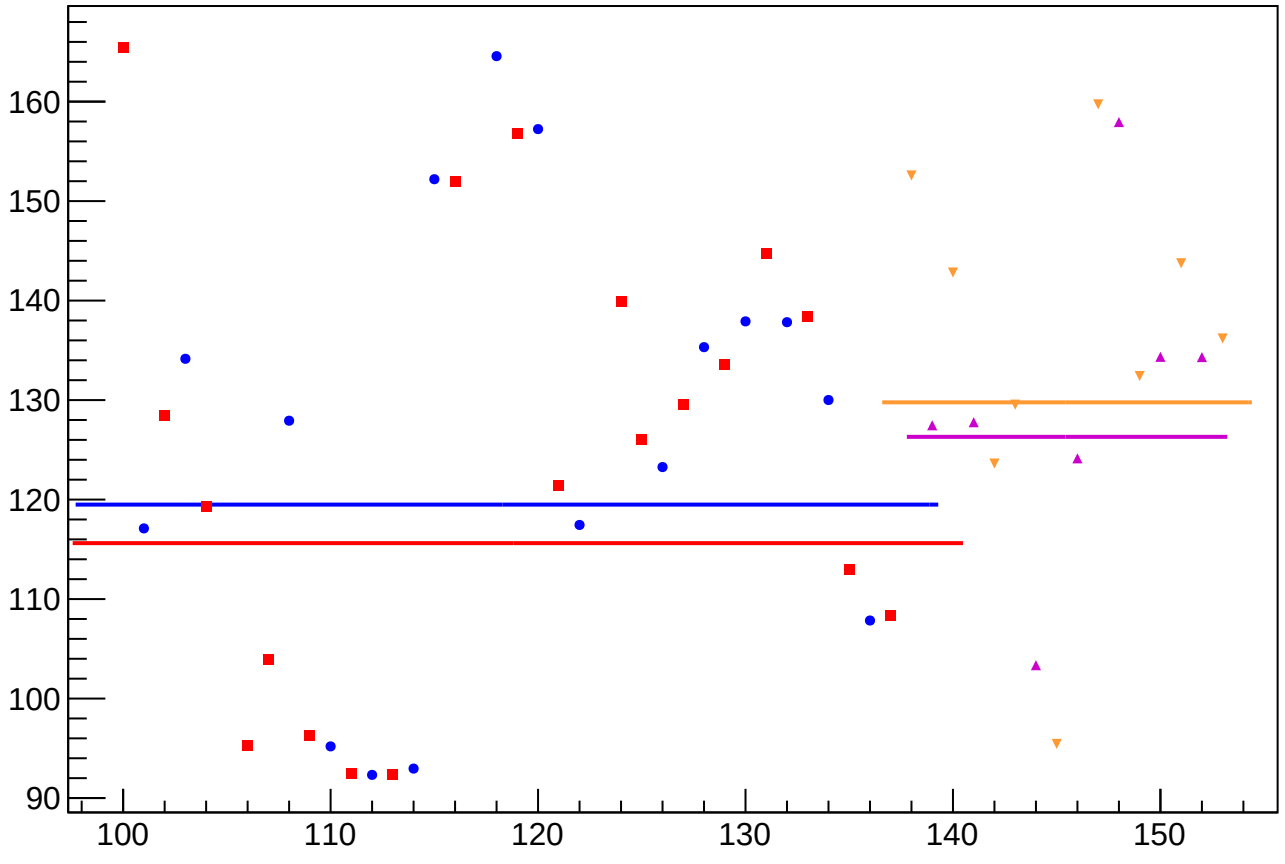
Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: -250.898+/-51.886 χ^2/NDF:2.5/6

+ sign 157.287+/-33.483 χ^2/NDF: 24.0/24

All: -28.112+/-23.579 χ^2/NDF: 100.6/50

- sign -210.502+/-33.210 χ^2/NDF: 15.8/25



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 129.773+/-0.035 χ^2/NDF:336170.9/8

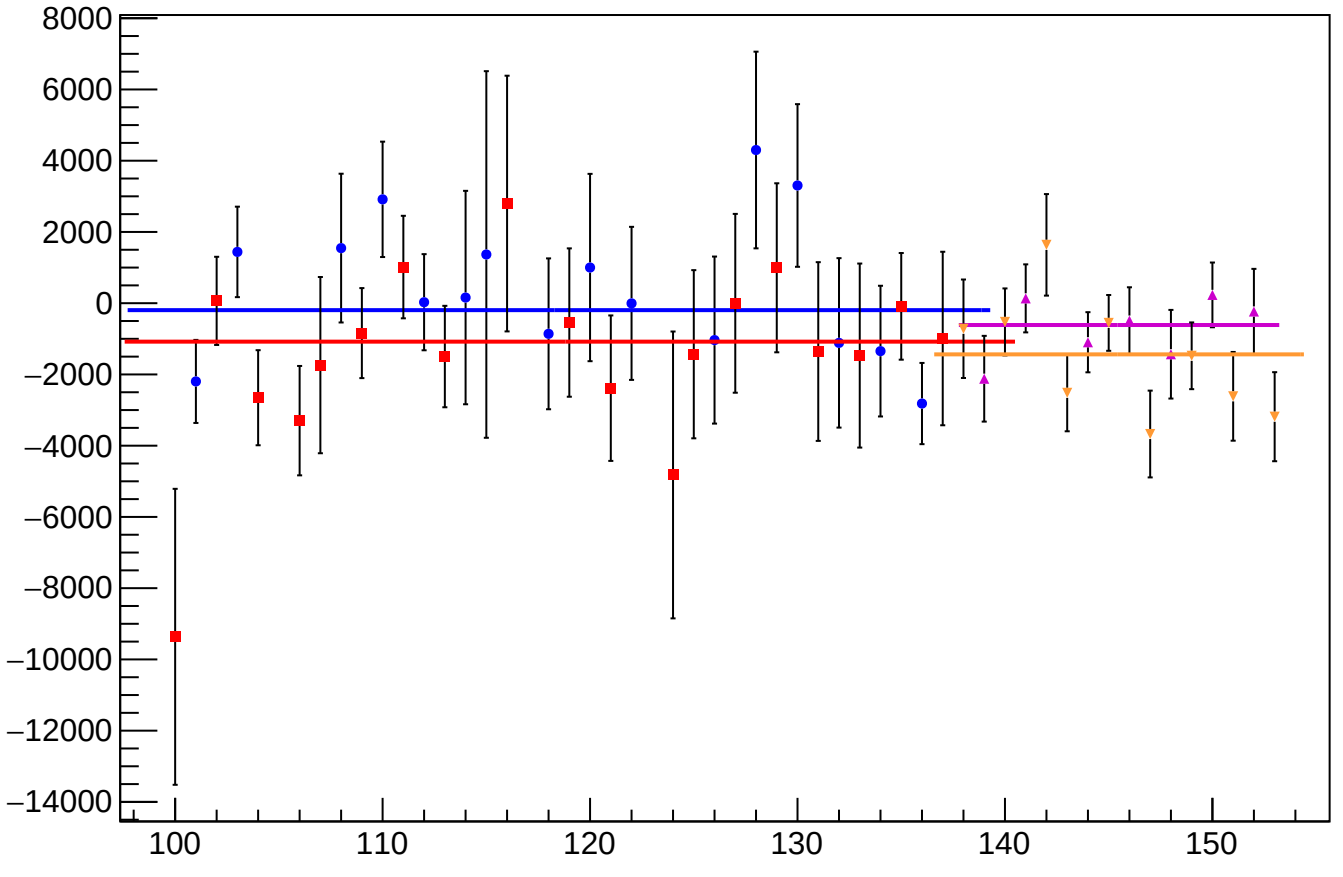
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 126.306+/-0.037 χ^2/NDF:166456.1/6

+ sign 124.142+/-0.024 χ^2/NDF: 763111.7/24

All: 122.054+/-0.017 χ^2/NDF: 1422029.2/50

- sign 119.999+/-0.023 χ^2/NDF: 643476.7/25



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1436.453+/-359.603 χ^2/NDF:14.4/8

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

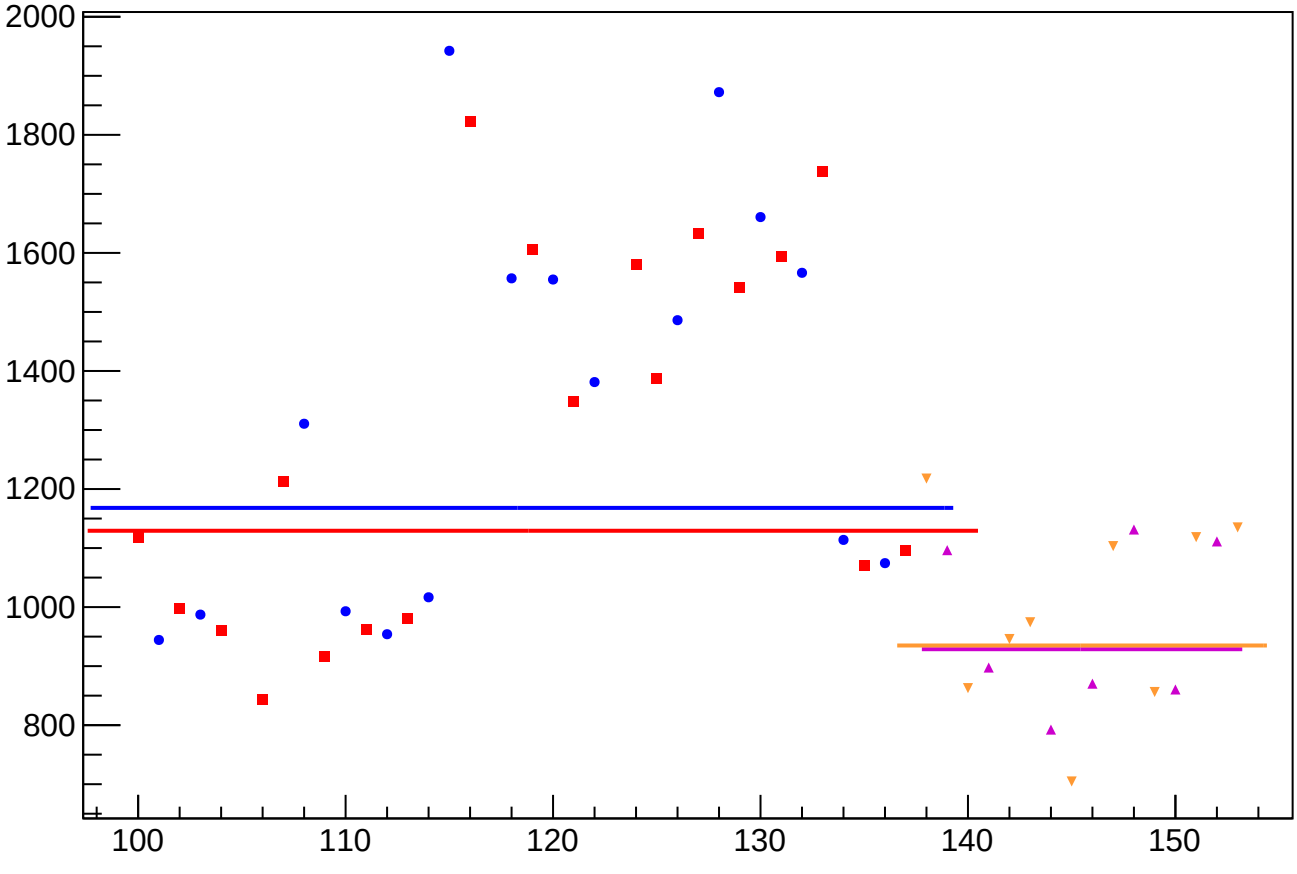
Left In: -612.473+/-381.078 χ^2/NDF:3.9/6

+ sign -949.154+/-280.272 χ^2/NDF: 39.4/24

All: -885.457+/-199.489 χ^2/NDF: 58.7/50

- sign -820.051+/-284.007 χ^2/NDF: 19.2/25

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 934.955+/-0.254 χ^2/NDF:418266.3/8

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

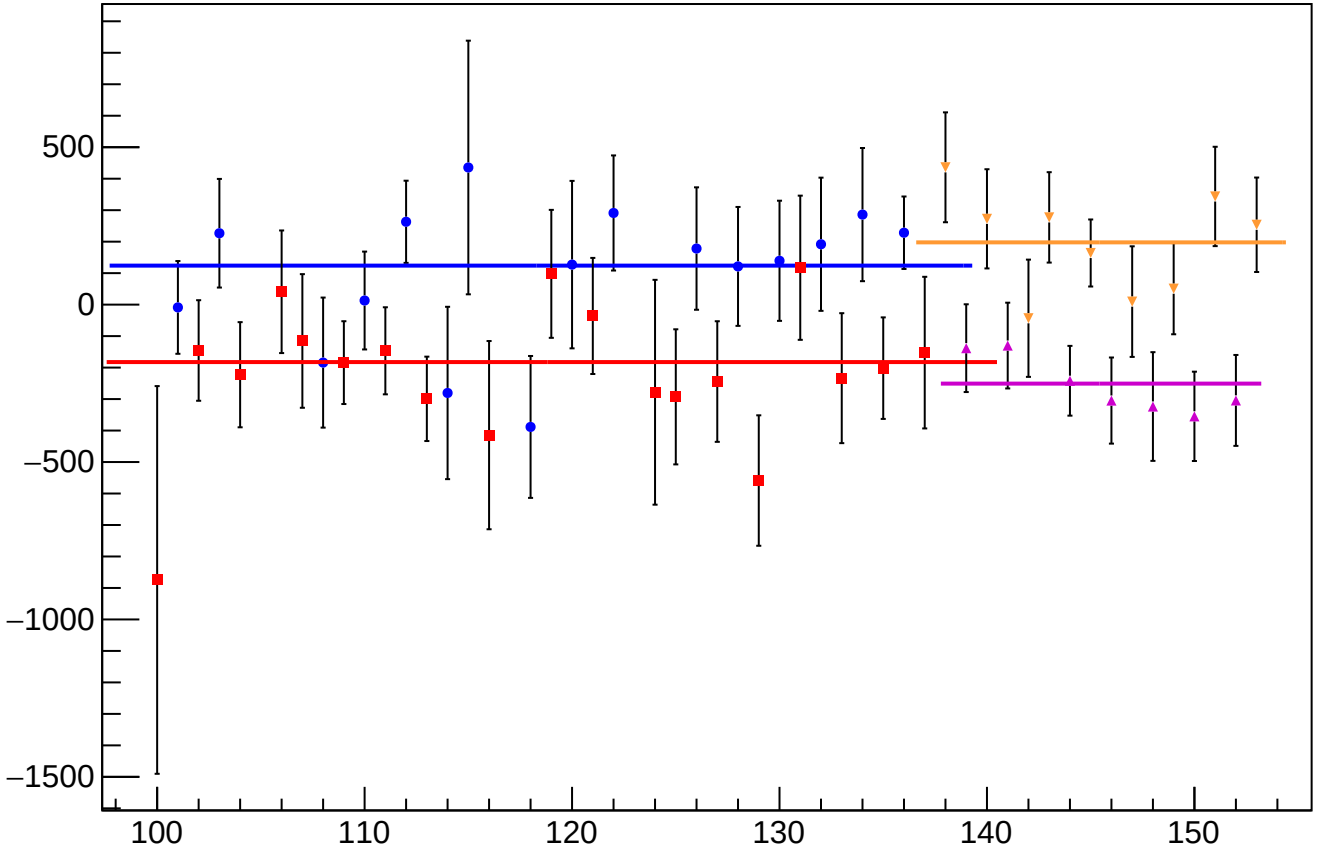
Left In: 928.667+/-0.269 χ^2/NDF:211723.4/6

+ sign 1026.461+/-0.198 χ^2/NDF: 1457537.4/24

All: 1022.222+/-0.141 χ^2/NDF: 2723910.7/50

- sign 1017.870+/-0.201 χ^2/NDF: 1265446.0/25

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 197.746+/-49.793 χ^2/NDF:7.3/8

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

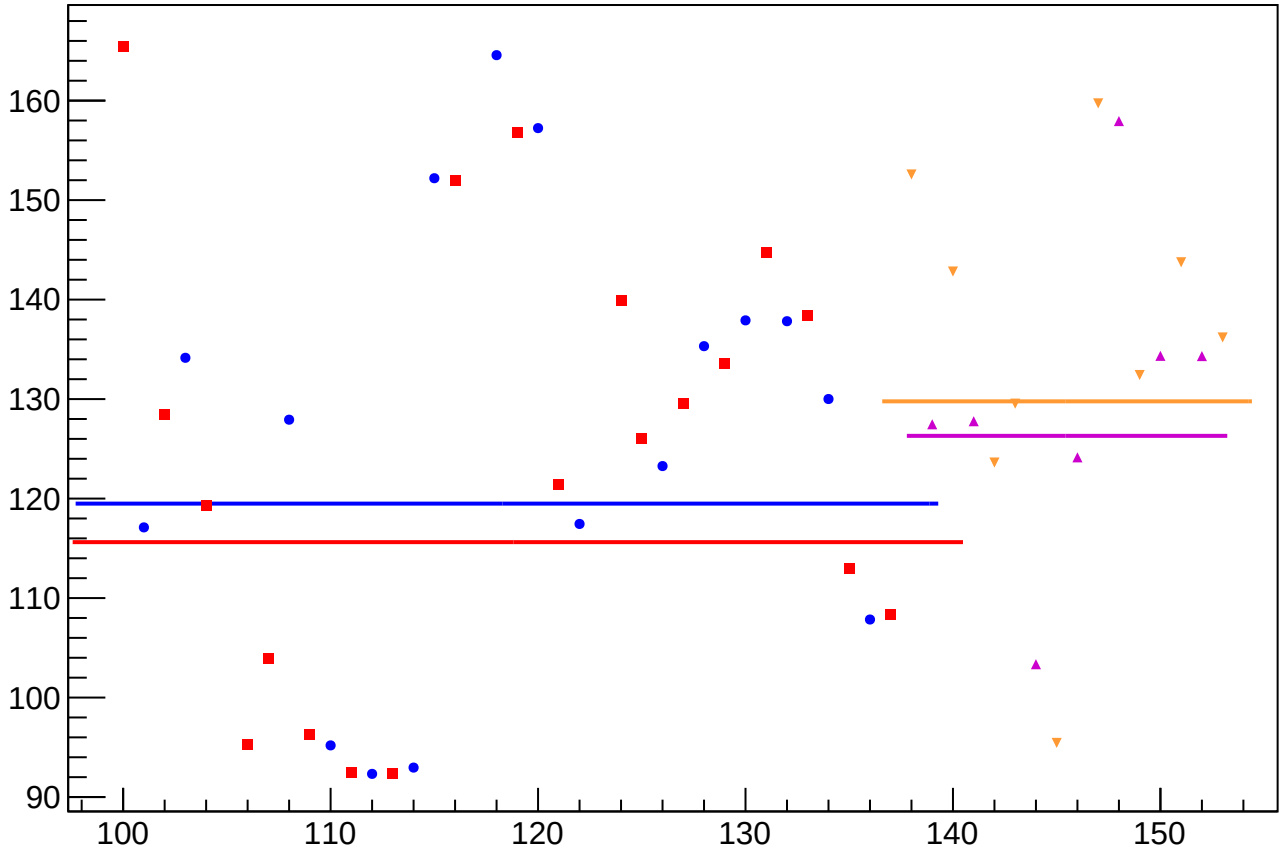
Left In: -250.900+/-51.886 χ^2/NDF:2.5/6

+ sign 157.289+/-33.483 χ^2/NDF: 24.0/24

All: -28.112+/-23.579 χ^2/NDF: 100.6/50

- sign -210.503+/-33.210 χ^2/NDF: 15.8/25

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 129.774+/-0.035 χ^2/NDF:336168.6/8

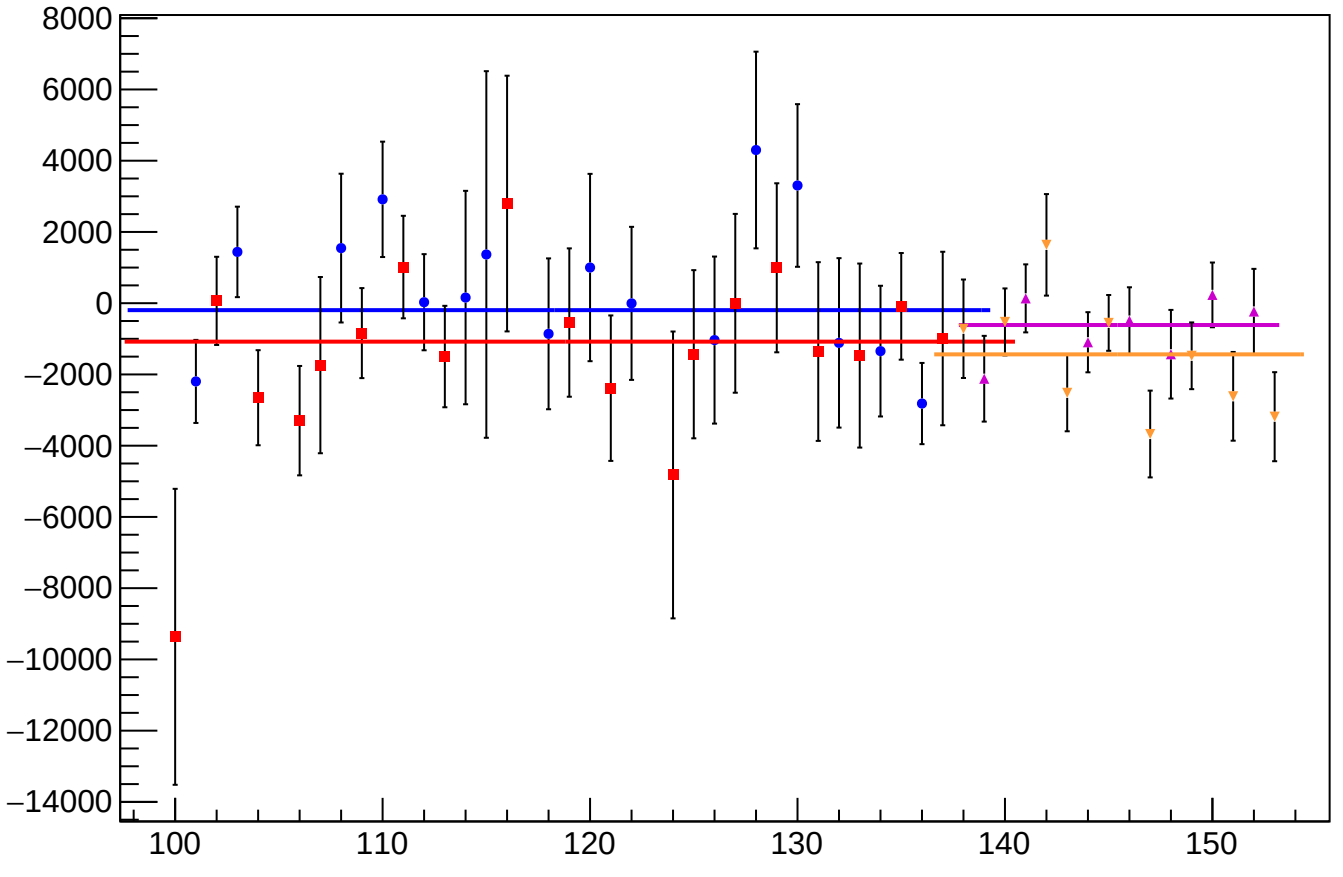
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 126.306+/-0.037 χ^2/NDF:166454.1/6

+ sign 124.143+/-0.024 χ^2/NDF: 763112.8/24

All: 122.054+/-0.017 χ^2/NDF: 1422034.1/50

- sign 119.999+/-0.023 χ^2/NDF: 643480.2/25



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1436.451+/-359.603 χ^2/NDF:14.4/8

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

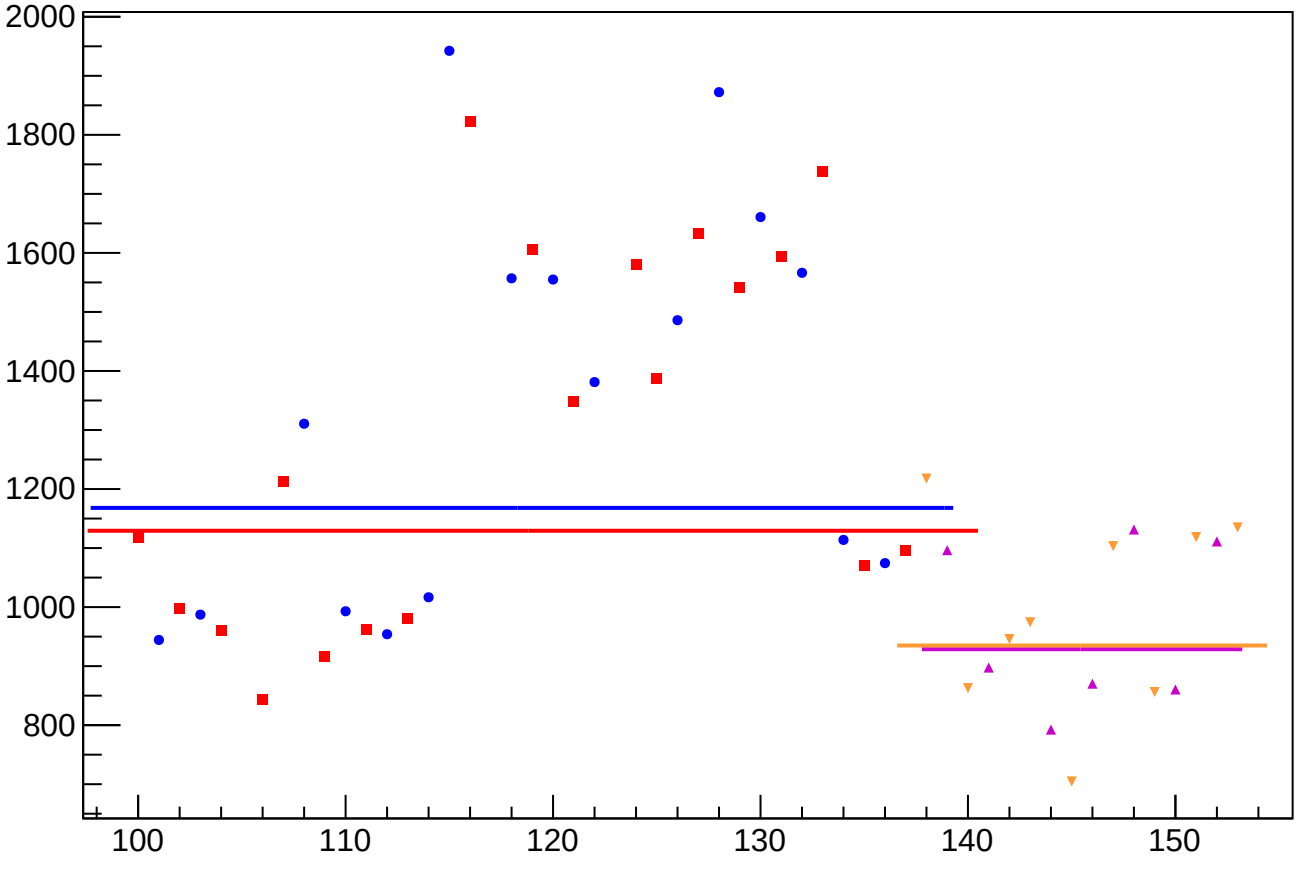
Left In: -612.474+/-381.078 χ^2/NDF:3.9/6

+ sign -949.153+/-280.271 χ^2/NDF: 39.4/24

All: -885.457+/-199.489 χ^2/NDF: 58.7/50

- sign -820.052+/-284.007 χ^2/NDF: 19.2/25

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 934.954+/-0.254 χ^2/NDF:418269.5/8

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

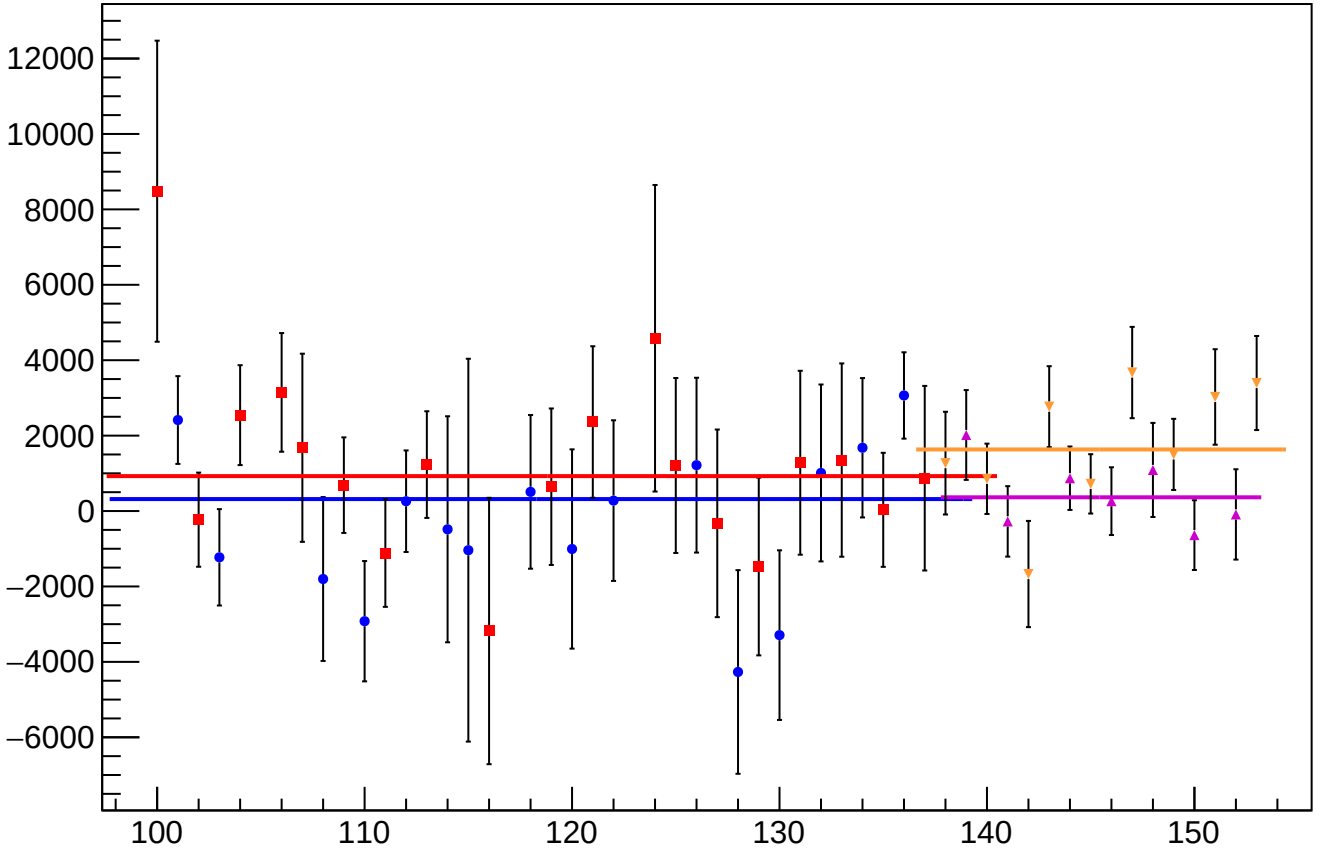
Left In: 928.667+/-0.269 χ^2/NDF:211722.3/6

+ sign 1026.461+/-0.198 χ^2/NDF: 1457544.7/24

All: 1022.222+/-0.141 χ^2/NDF: 2723917.4/50

- sign 1017.870+/-0.201 χ^2/NDF: 1265445.7/25

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1633.153+/-359.198 χ^2/NDF:14.8/8

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

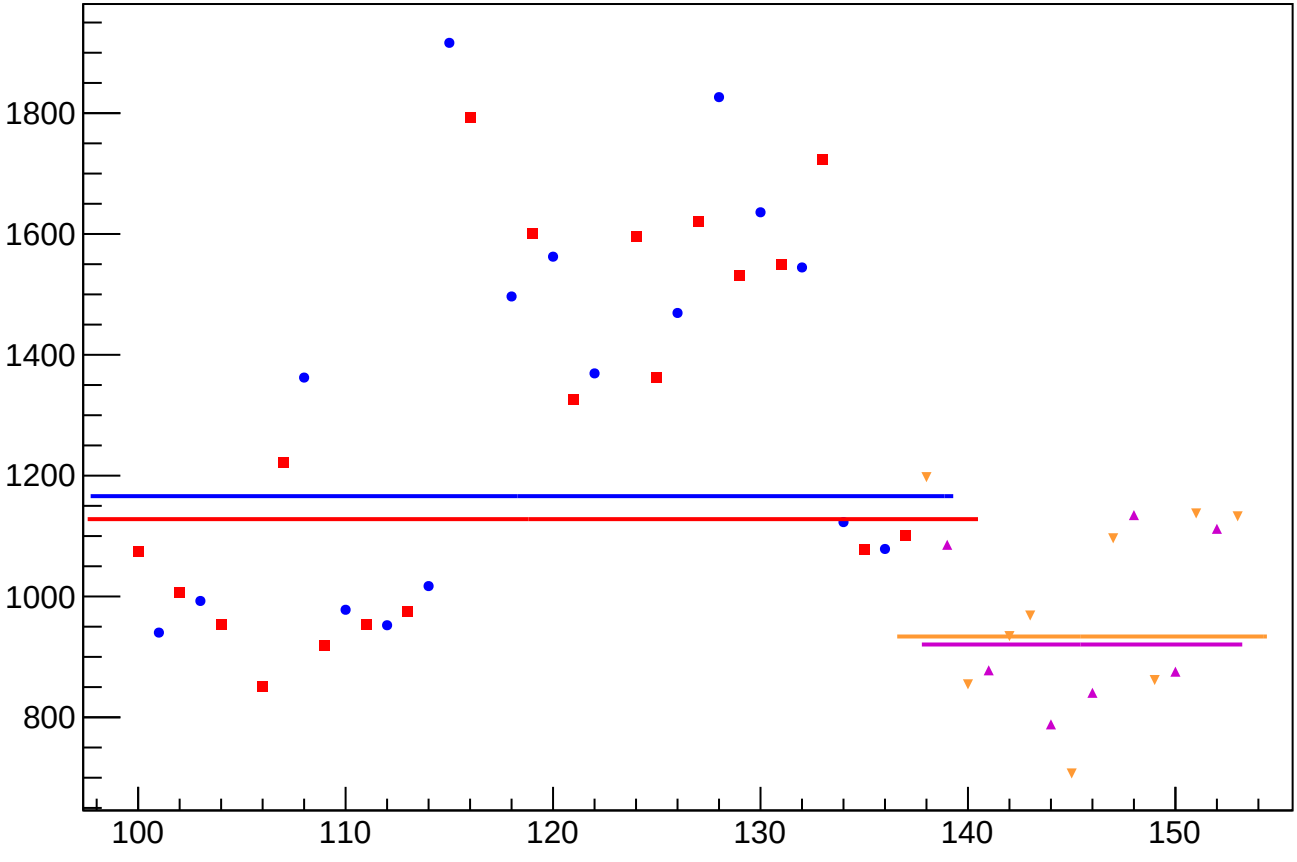
Left In: 364.290+/-377.595 χ^2/NDF:4.4/6

+ sign 1115.954+/-279.835 χ^2/NDF: 42.2/24

All: 866.192+/-198.773 χ^2/NDF: 63.8/50

- sign 611.836+/-282.397 χ^2/NDF: 19.9/25

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 933.744+/-0.254 χ^2/NDF:407886.2/8

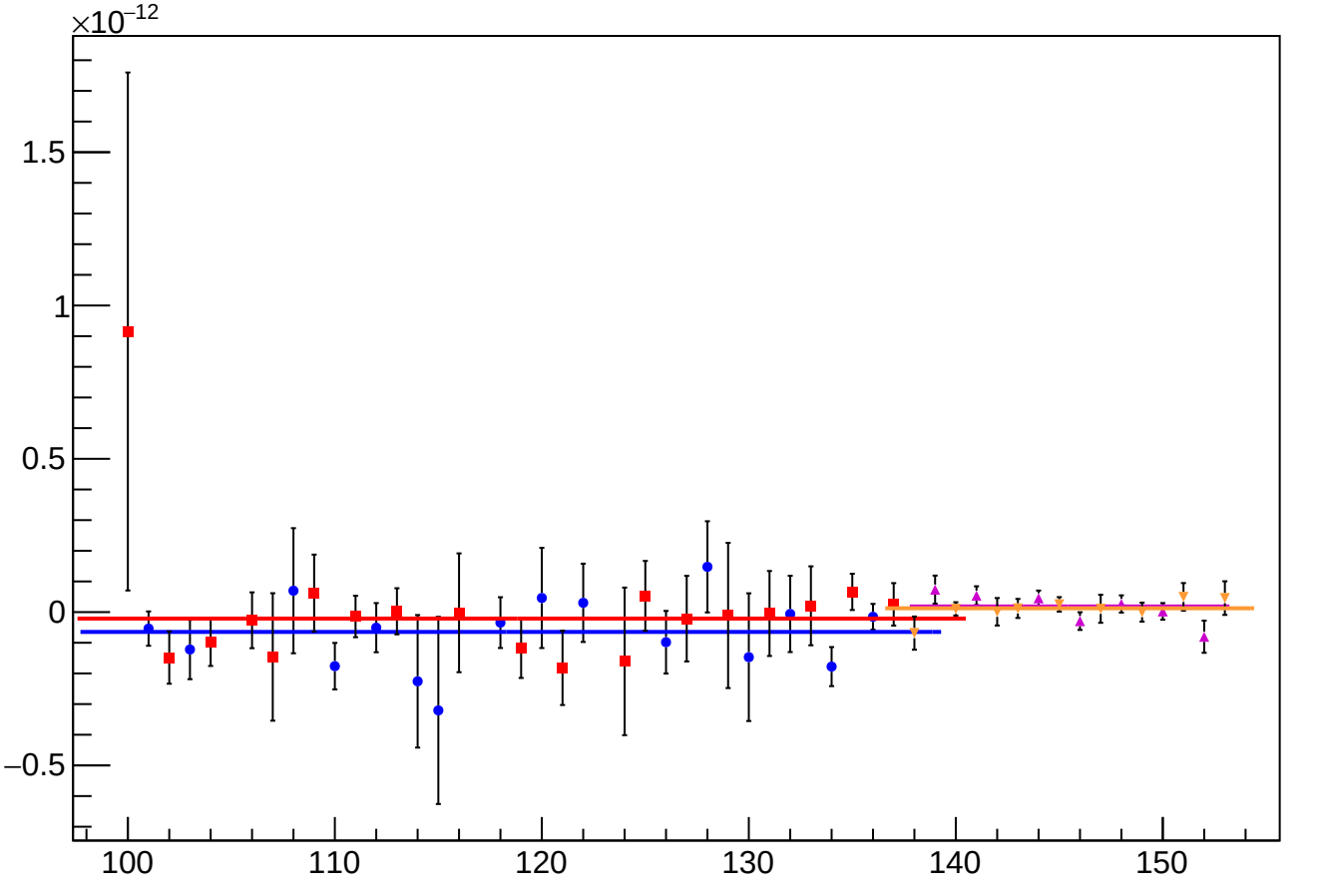
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

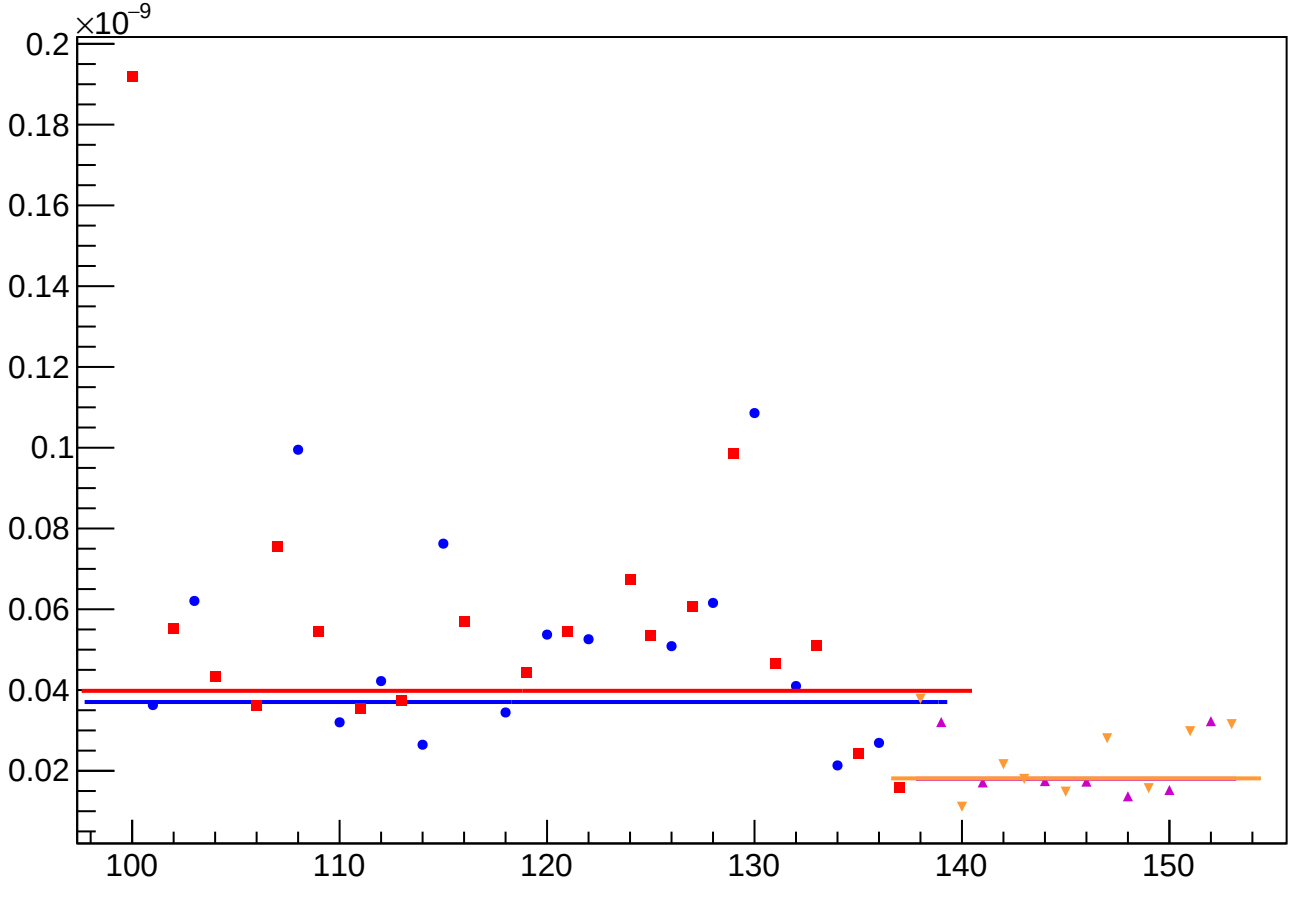
Left In: 920.506+/-0.267 χ^2/NDF:222698.6/6

+ sign 1025.060+/-0.198 χ^2/NDF: 1413785.4/24

All: 1018.562+/-0.141 χ^2/NDF: 2680577.7/50

- sign 1011.946+/-0.200 χ^2/NDF: 1264616.2/25


asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 12.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3.8/8
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: 0.000+/-0.000 χ²/NDF:10.6/6
+ sign -0.000+/-0.000 χ²/NDF: 26.2/24
All: 0.000+/-0.000 χ²/NDF: 51.5/50
- sign 0.000+/-0.000 χ²/NDF: 24.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:885237.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

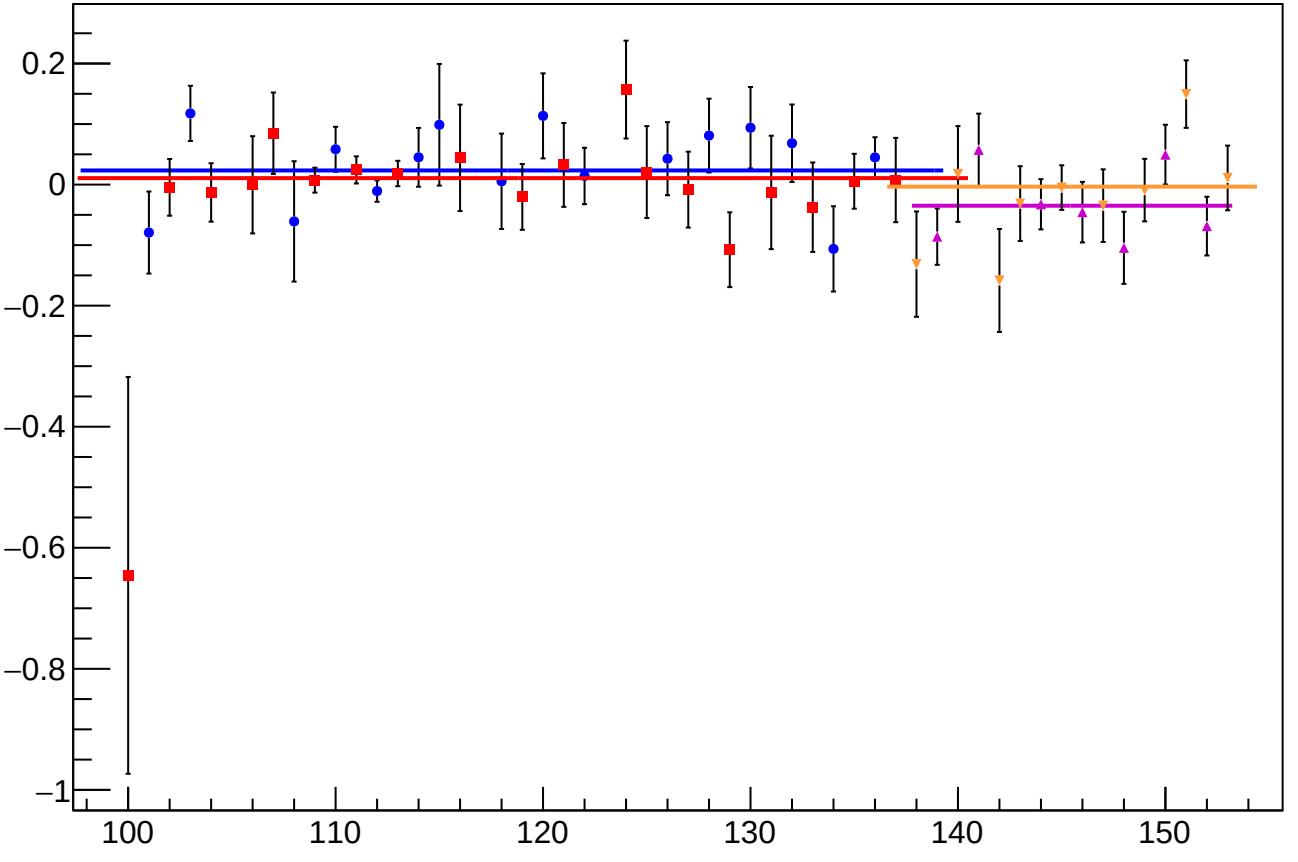
Left In: 0.000+/-0.000 χ^2/NDF:408709.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 3072351.2/24

All: 0.000+/-0.000 χ^2/NDF: 5800769.9/50

- sign 0.000+/-0.000 χ^2/NDF: 2726337.9/25

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.003+/-0.019 χ^2/NDF:13.6/8

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

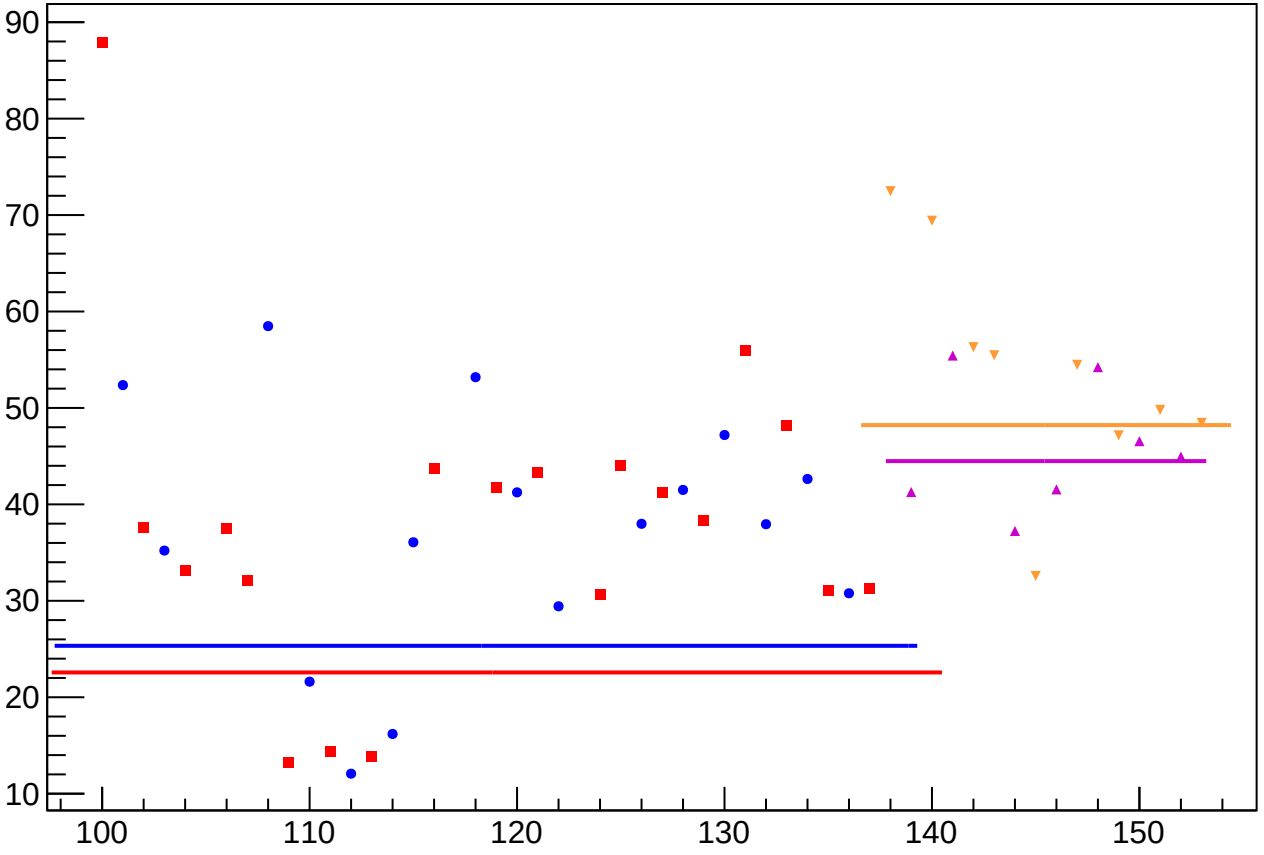
Left In: -0.035+/-0.019 χ^2/NDF:8.4/6

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/24

All: 0.008+/-0.006 χ^2/NDF: 64.6/50

- sign 0.001+/-0.009 χ^2/NDF: 27.3/25

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.221+/-0.013 χ^2/NDF:729341.4/8

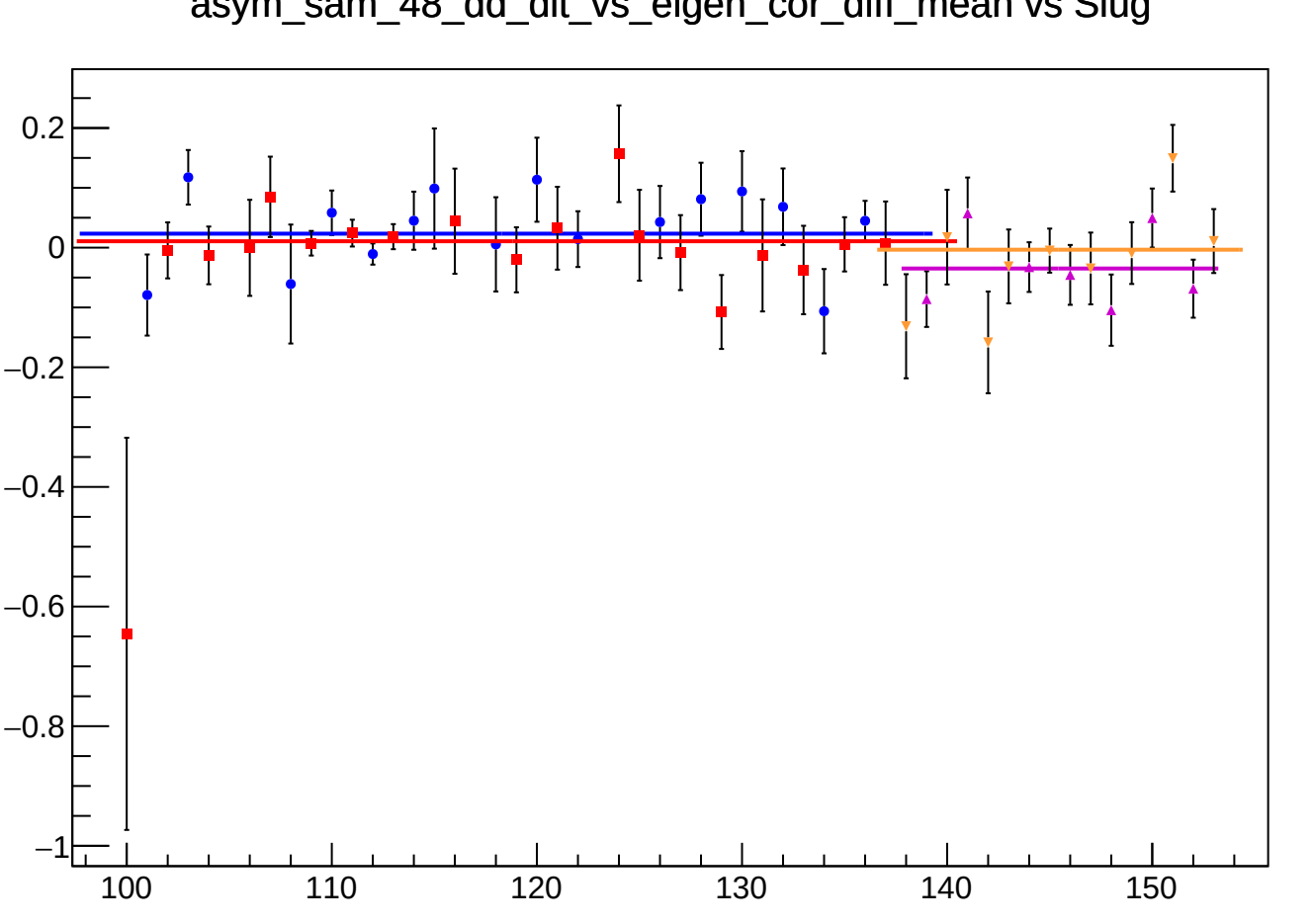
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 44.488+/-0.013 χ^2/NDF:201282.3/6

+ sign 31.108+/-0.007 χ^2/NDF: 5811743.2/24

All: 29.001+/-0.005 χ^2/NDF: 11471173.7/50

- sign 27.265+/-0.006 χ^2/NDF: 5482733.5/25



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.003+/-0.019 χ^2/NDF:13.6/8

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

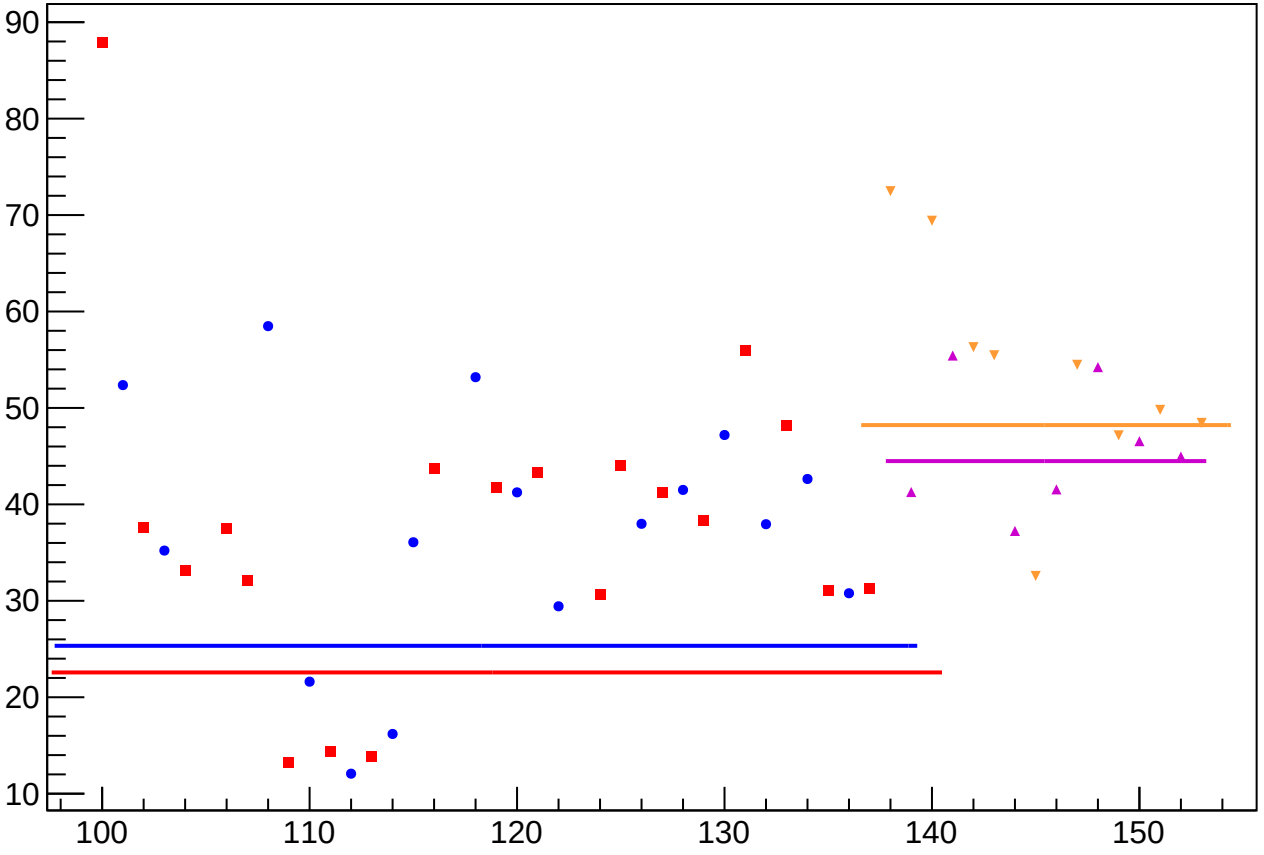
Left In: -0.035+/-0.019 χ^2/NDF:8.4/6

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/24

All: 0.008+/-0.006 χ^2/NDF: 64.6/50

- sign 0.001+/-0.009 χ^2/NDF: 27.3/25

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.221+/-0.013 χ^2/NDF:729341.4/8

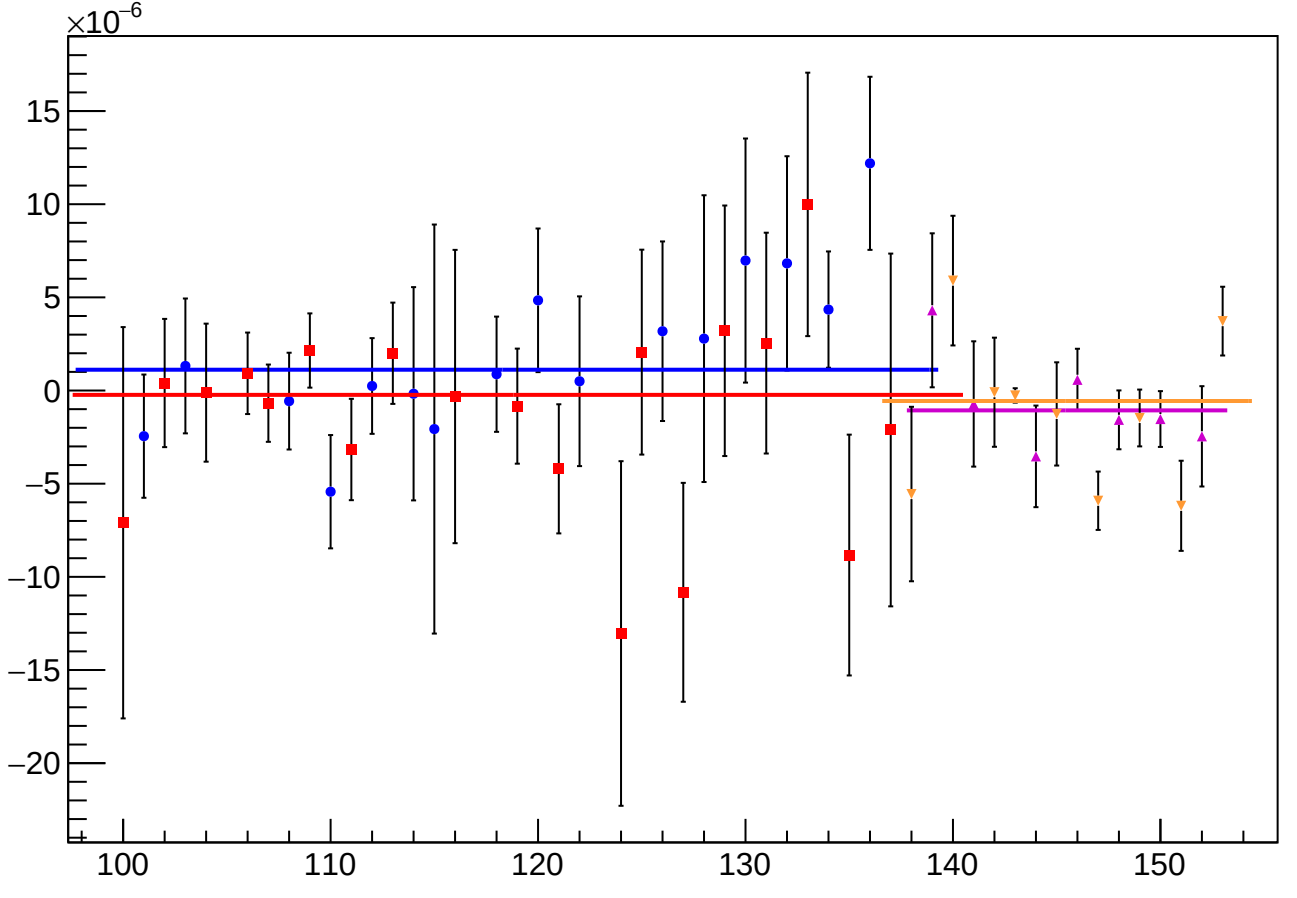
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 44.488+/-0.013 χ^2/NDF:201282.3/6

+ sign 31.108+/-0.007 χ^2/NDF: 5811743.2/24

All: 29.001+/-0.005 χ^2/NDF: 11471173.7/50

- sign 27.265+/-0.006 χ^2/NDF: 5482733.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.1/8

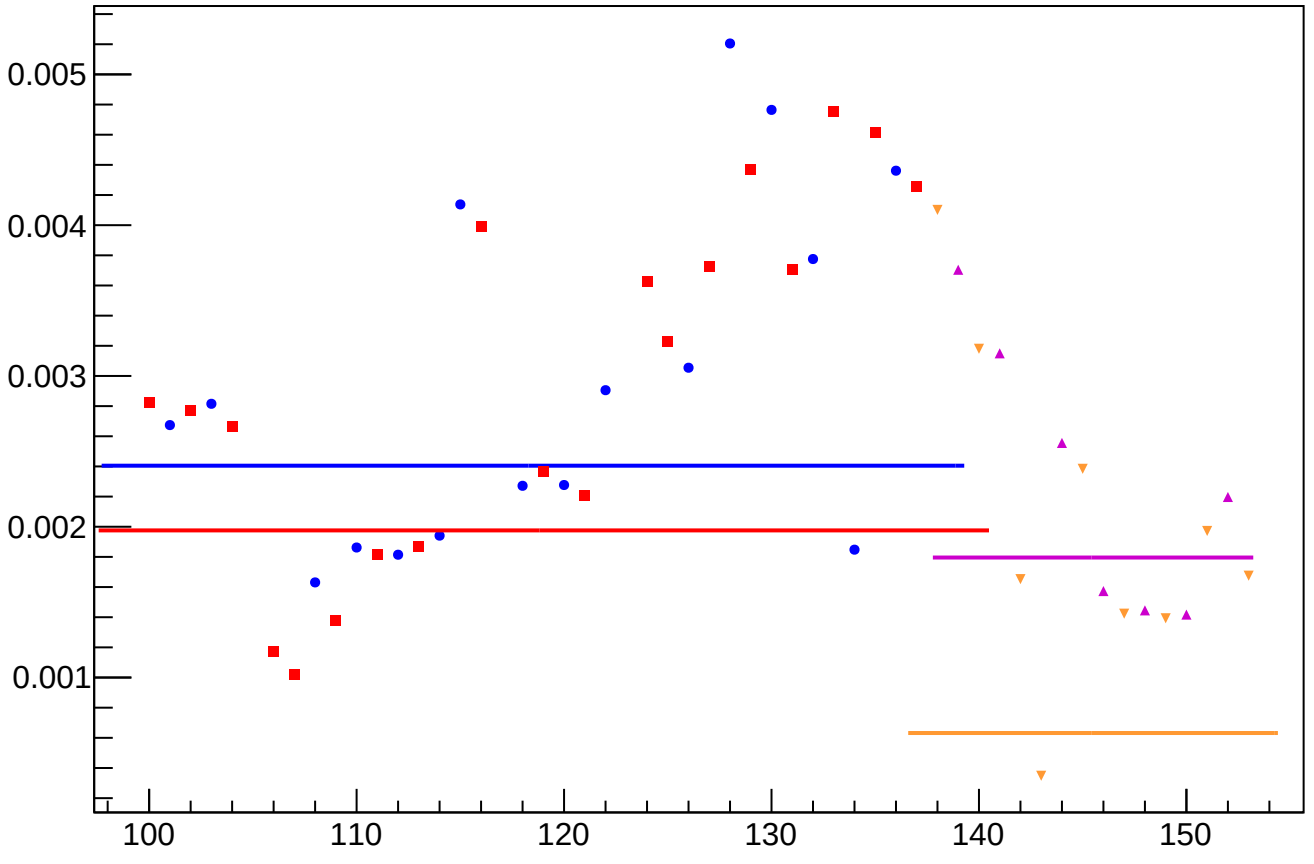
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/6

+ sign -0.000+/-0.000 χ^2/NDF: 47.1/24

All: -0.000+/-0.000 χ^2/NDF: 66.9/50

- sign -0.000+/-0.000 χ^2/NDF: 19.6/25



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:6554561.1/8

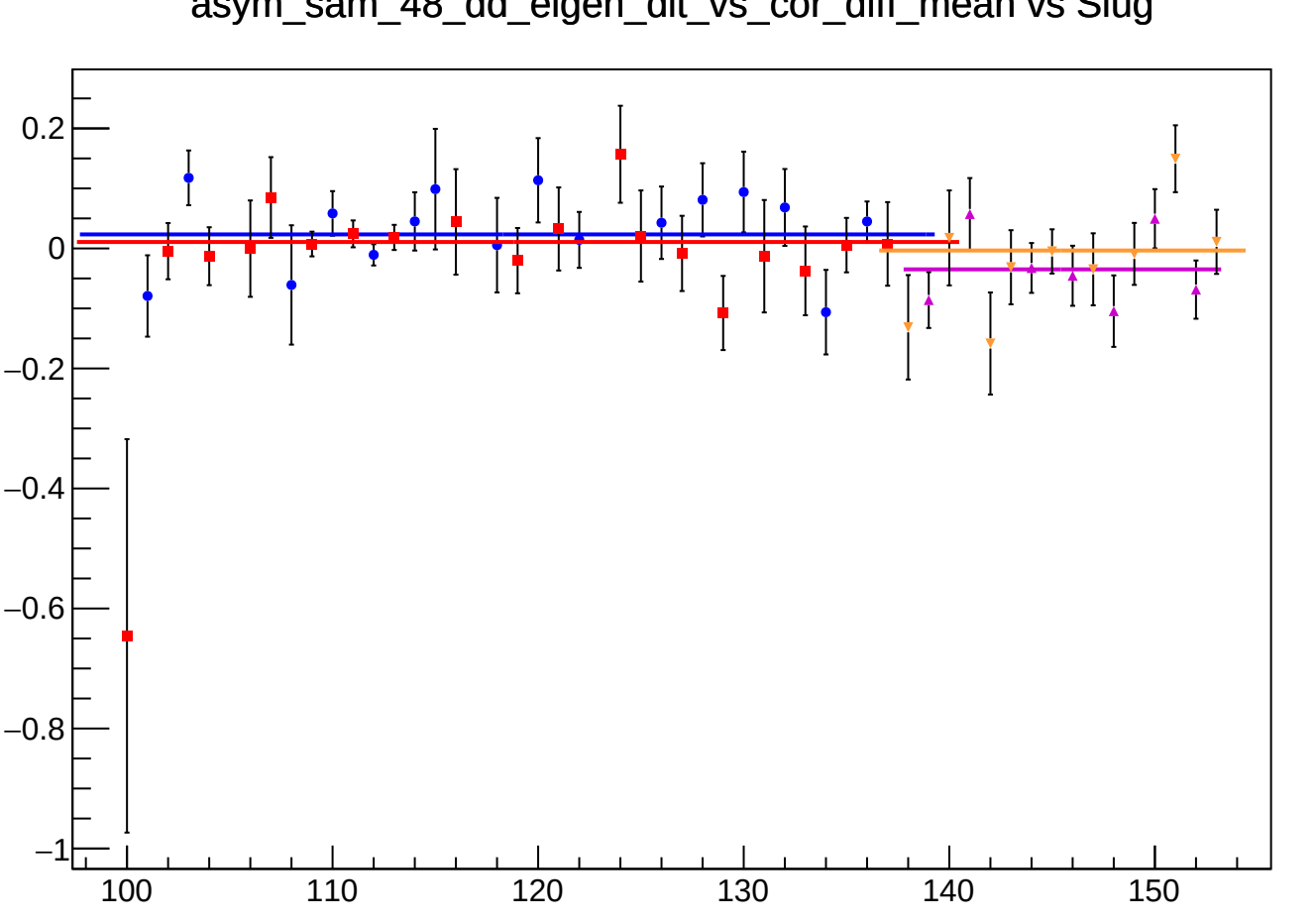
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1212702.9/6

+ sign 0.001+/-0.000 χ^2/NDF: 14226179.9/24

All: 0.001+/-0.000 χ^2/NDF: 23422112.2/50

- sign 0.002+/-0.000 χ^2/NDF: 4038835.0/25



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.003+/-0.019 χ^2/NDF:13.6/8

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

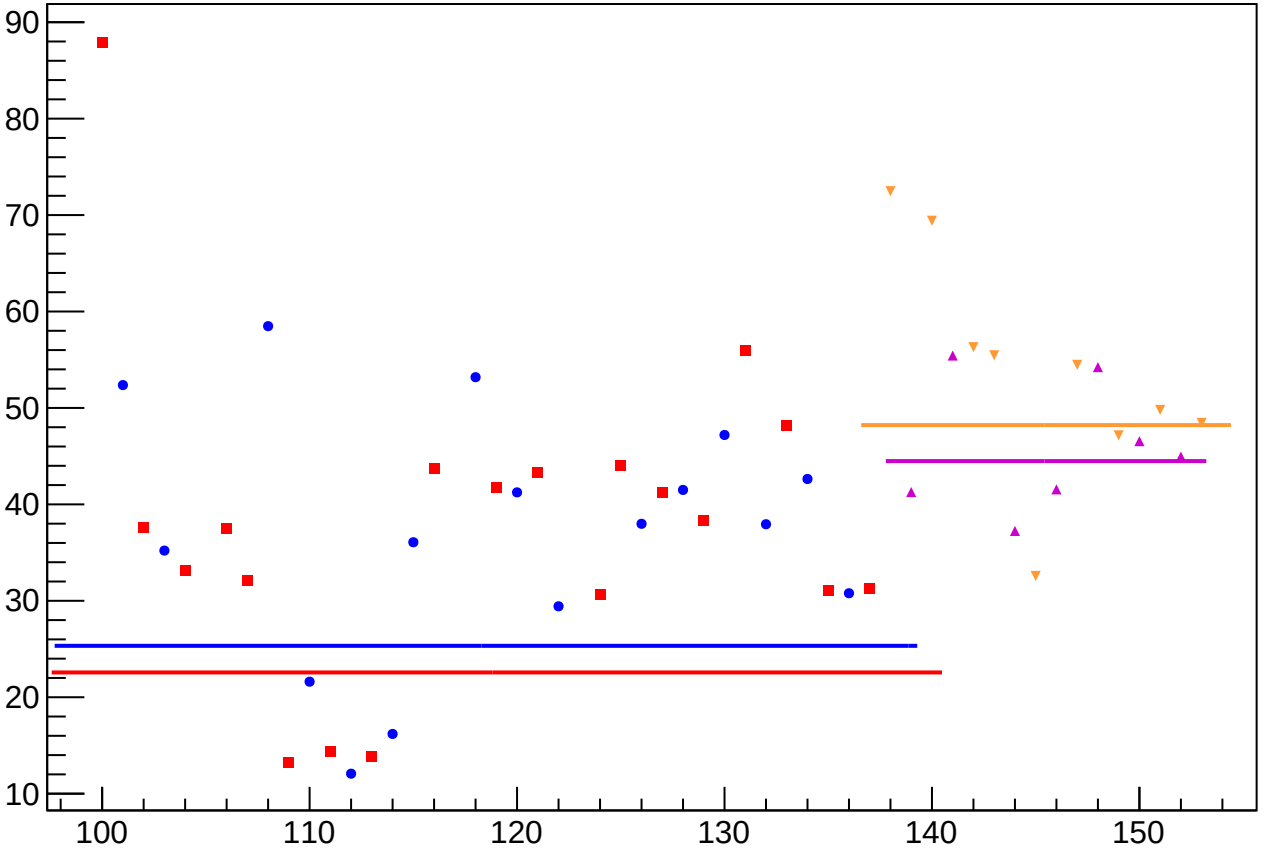
Left In: -0.035+/-0.019 χ^2/NDF:8.4/6

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/24

All: 0.008+/-0.006 χ^2/NDF: 64.6/50

- sign 0.001+/-0.009 χ^2/NDF: 27.3/25

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.221+/-0.013 χ^2/NDF:729310.6/8

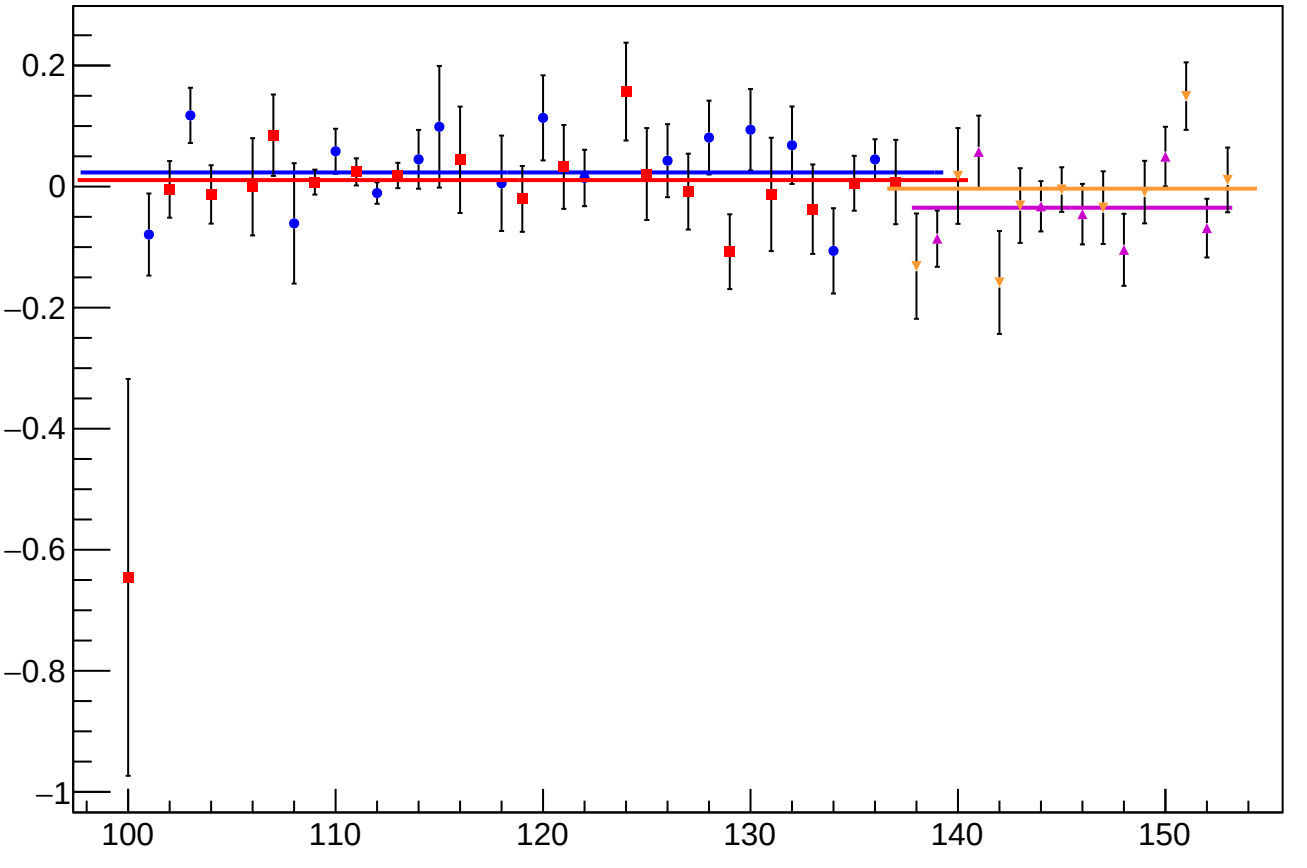
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 44.488+/-0.013 χ^2/NDF:201270.3/6

\+ sign 31.107+/-0.007 χ^2/NDF: 5812457.5/24

All: 29.001+/-0.005 χ^2/NDF: 11472054.7/50

\- sign 27.265+/-0.006 χ^2/NDF: 5482981.5/25



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.003+/-0.019 χ^2/NDF:13.6/8

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

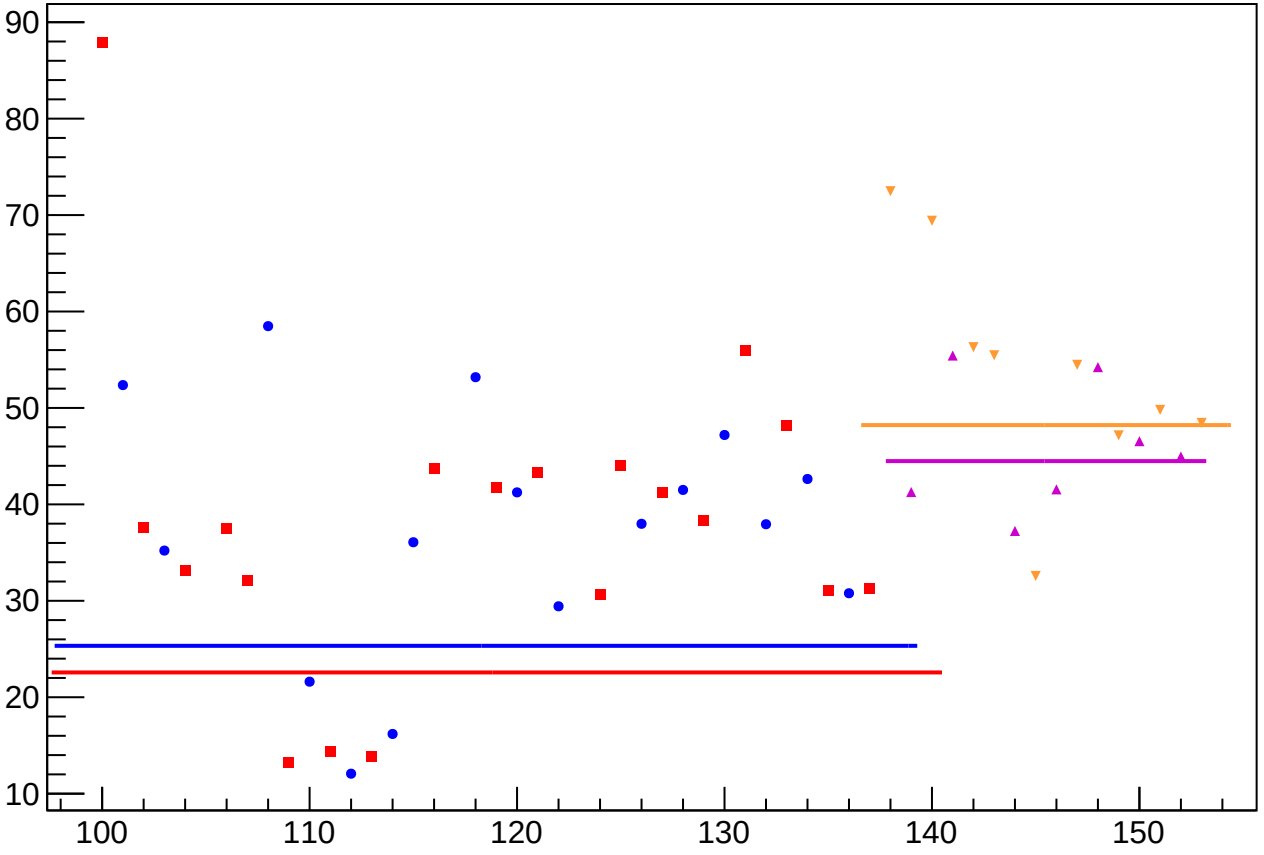
Left In: -0.035+/-0.019 χ^2/NDF:8.4/6

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/24

All: 0.008+/-0.006 χ^2/NDF: 64.6/50

- sign 0.001+/-0.009 χ^2/NDF: 27.3/25

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.221+/-0.013 χ^2/NDF:729310.6/8

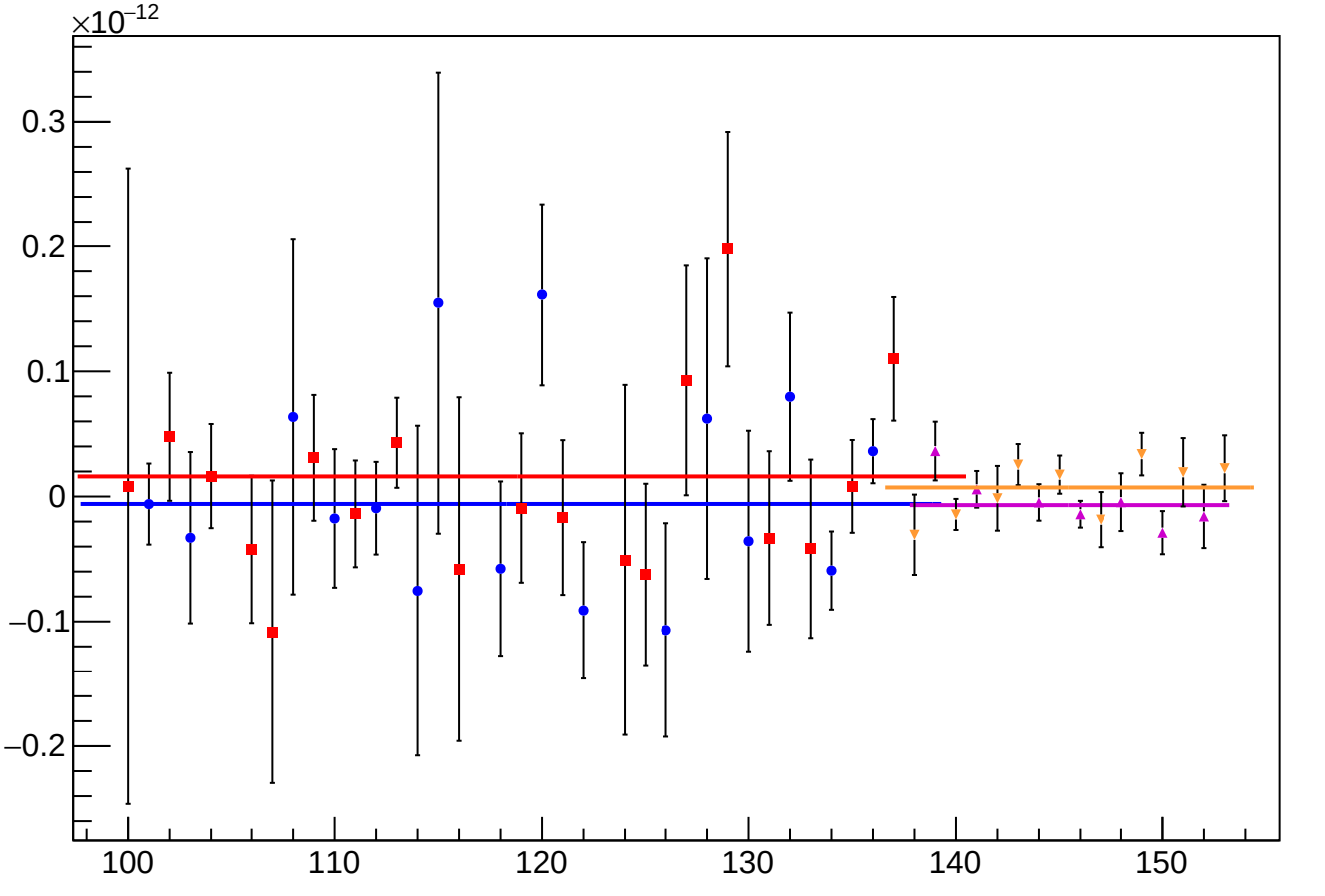
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 44.488+/-0.013 χ^2/NDF:201270.3/6

\+ sign 31.107+/-0.007 χ^2/NDF: 5812457.5/24

All: 29.001+/-0.005 χ^2/NDF: 11472054.7/50

\- sign 27.265+/-0.006 χ^2/NDF: 5482981.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/8

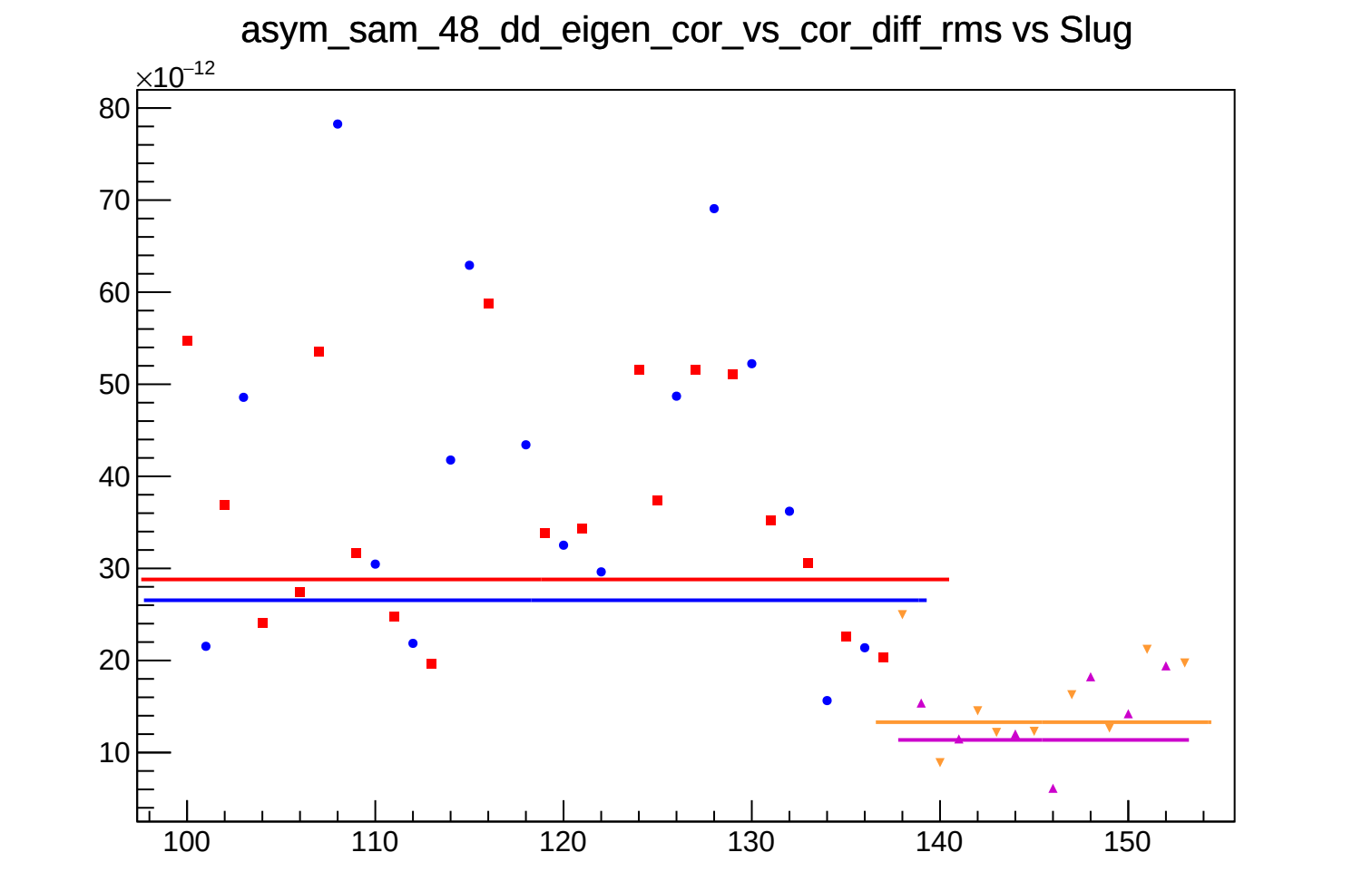
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 30.2/24

All: 0.000+/-0.000 χ^2/NDF: 55.0/50

- sign -0.000+/-0.000 χ^2/NDF: 23.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:864993.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

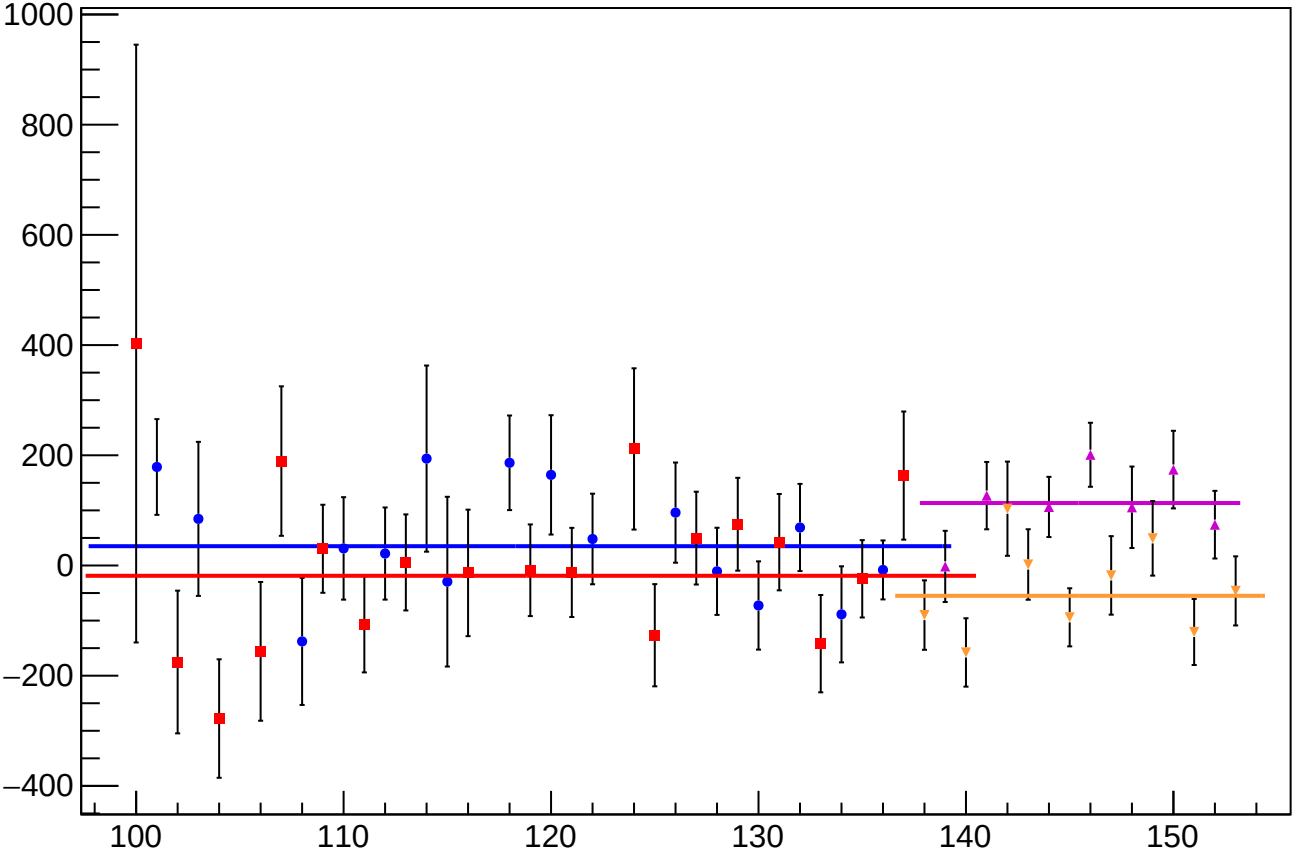
Left In: 0.000+/-0.000 χ^2/NDF:978198.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 4300860.6/24

All: 0.000+/-0.000 χ^2/NDF: 9098206.5/50

- sign 0.000+/-0.000 χ^2/NDF: 4726764.4/25

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.004+/-21.319 χ^2/NDF:11.7/8

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

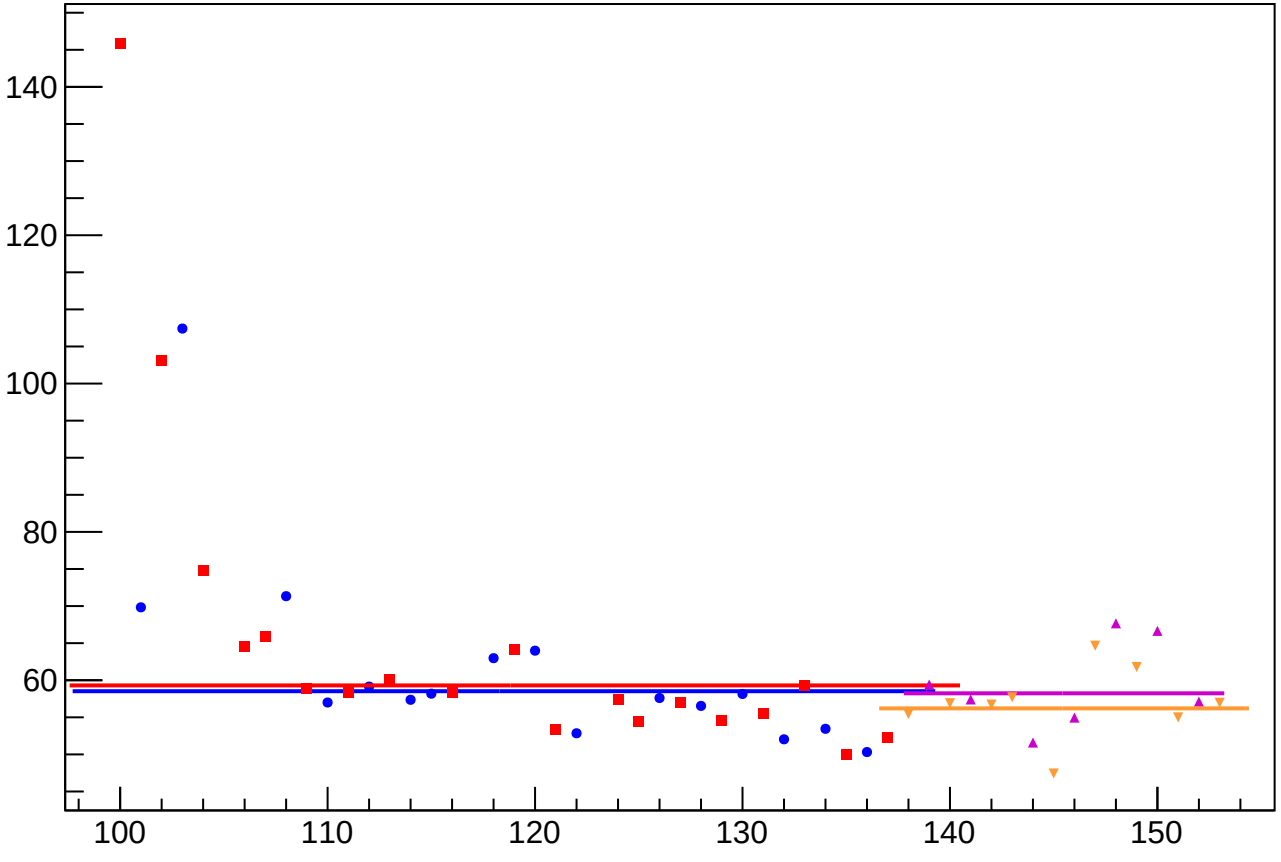
Left In: 113.363+/-23.645 χ^2/NDF:6.7/6

+ sign -11.682+/-15.355 χ^2/NDF: 36.4/24

All: 14.258+/-11.131 χ^2/NDF: 89.3/50

- sign 42.991+/-16.160 χ^2/NDF: 46.8/25

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.206+/-0.015 χ^2/NDF:100055.1/8

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

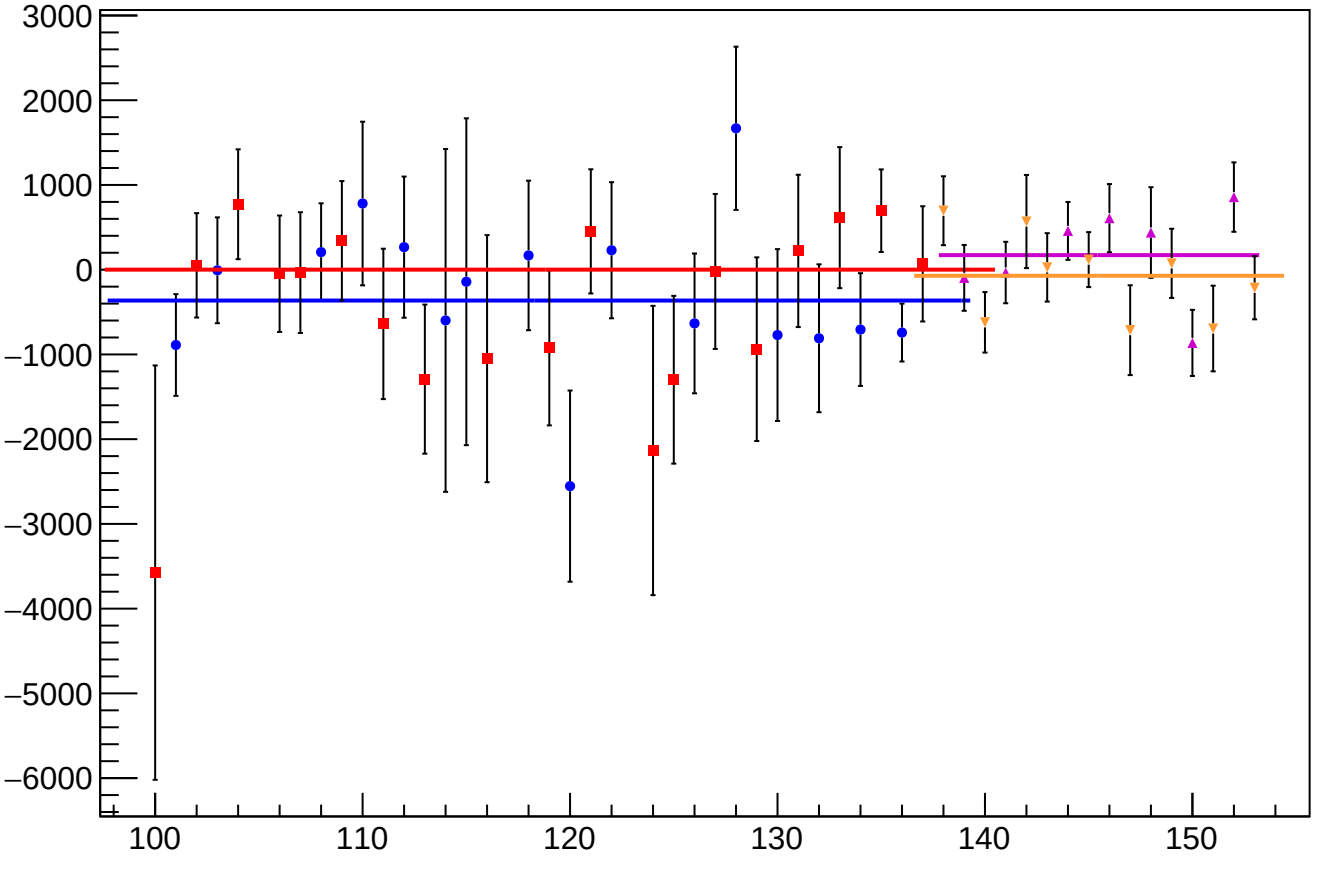
Left In: 58.236+/-0.017 χ^2/NDF:98796.8/6

+ sign 57.320+/-0.011 χ^2/NDF: 504154.8/24

All: 58.024+/-0.008 χ^2/NDF: 1020583.6/50

- sign 58.804+/-0.011 χ^2/NDF: 507569.8/25

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -71.637+/-136.675 χ^2/NDF:11.0/8

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

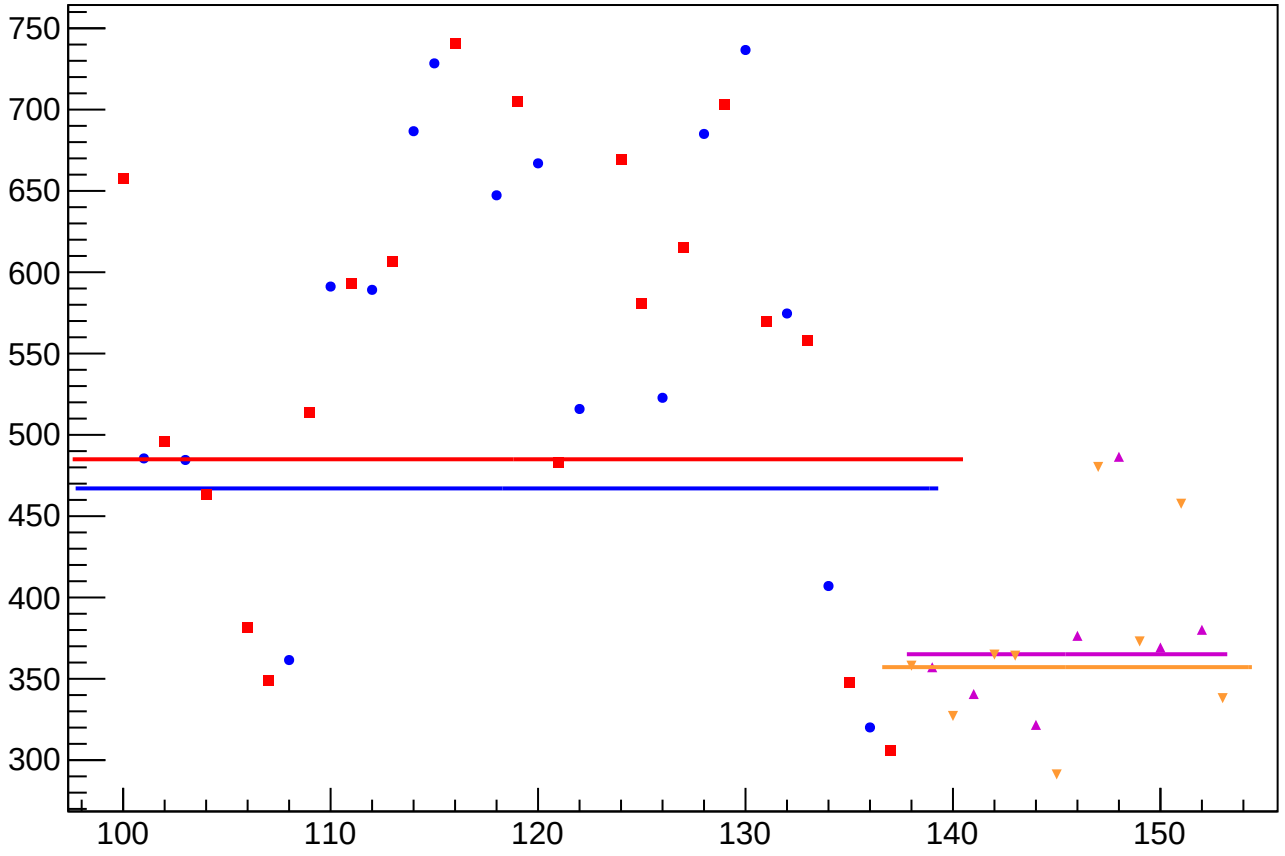
Left In: 171.951+/-149.088 χ^2/NDF:12.8/6

+ sign -178.131+/-108.984 χ^2/NDF: 27.8/24

All: -45.557+/-79.301 χ^2/NDF: 59.4/50

- sign 103.619+/-115.607 χ^2/NDF: 28.4/25

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 357.176+/-0.097 χ^2/NDF:292968.1/8

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

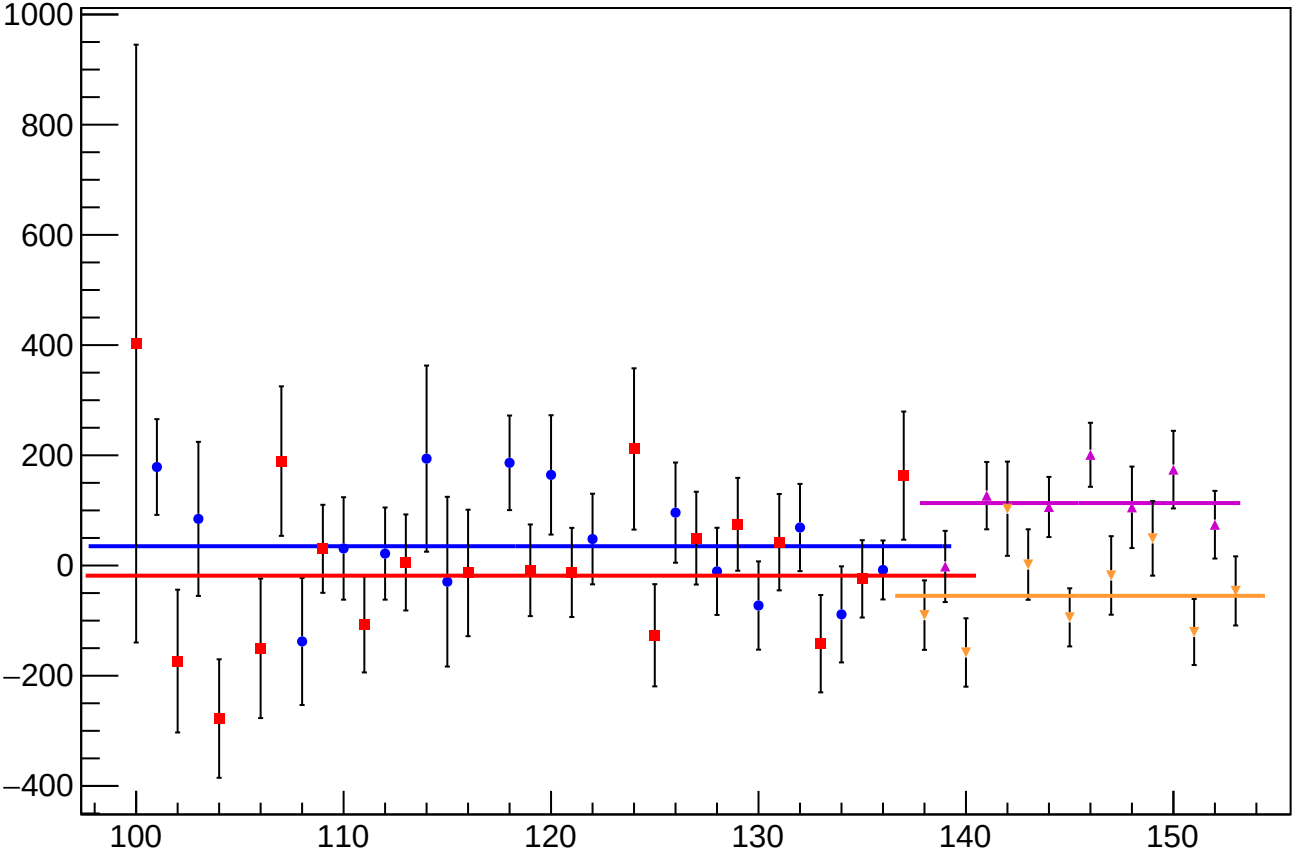
Left In: 365.109+/-0.105 χ^2/NDF:149771.3/6

\+ sign 397.194+/-0.077 χ^2/NDF: 1794086.9/24

All: 404.586+/-0.056 χ^2/NDF: 3353031.2/50

\- sign 412.904+/-0.082 χ^2/NDF: 1539389.6/25

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.004+/-21.319 χ^2/NDF:11.7/8

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

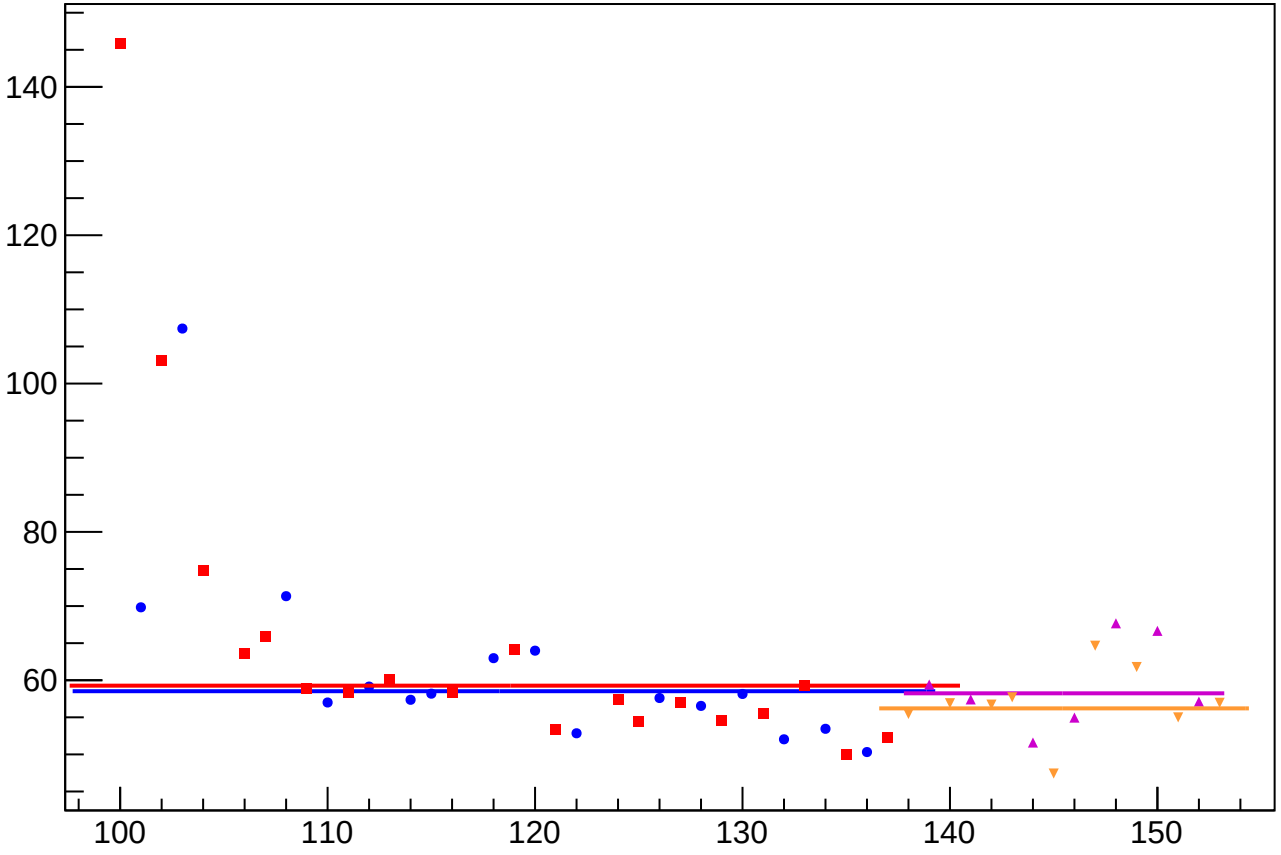
Left In: 113.362+/-23.645 χ^2/NDF:6.7/6

+ sign -11.683+/-15.355 χ^2/NDF: 36.4/24

All: 14.330+/-11.132 χ^2/NDF: 89.1/50

- sign 43.148+/-16.162 χ^2/NDF: 46.6/25

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.206+/-0.015 χ^2/NDF:100055.1/8

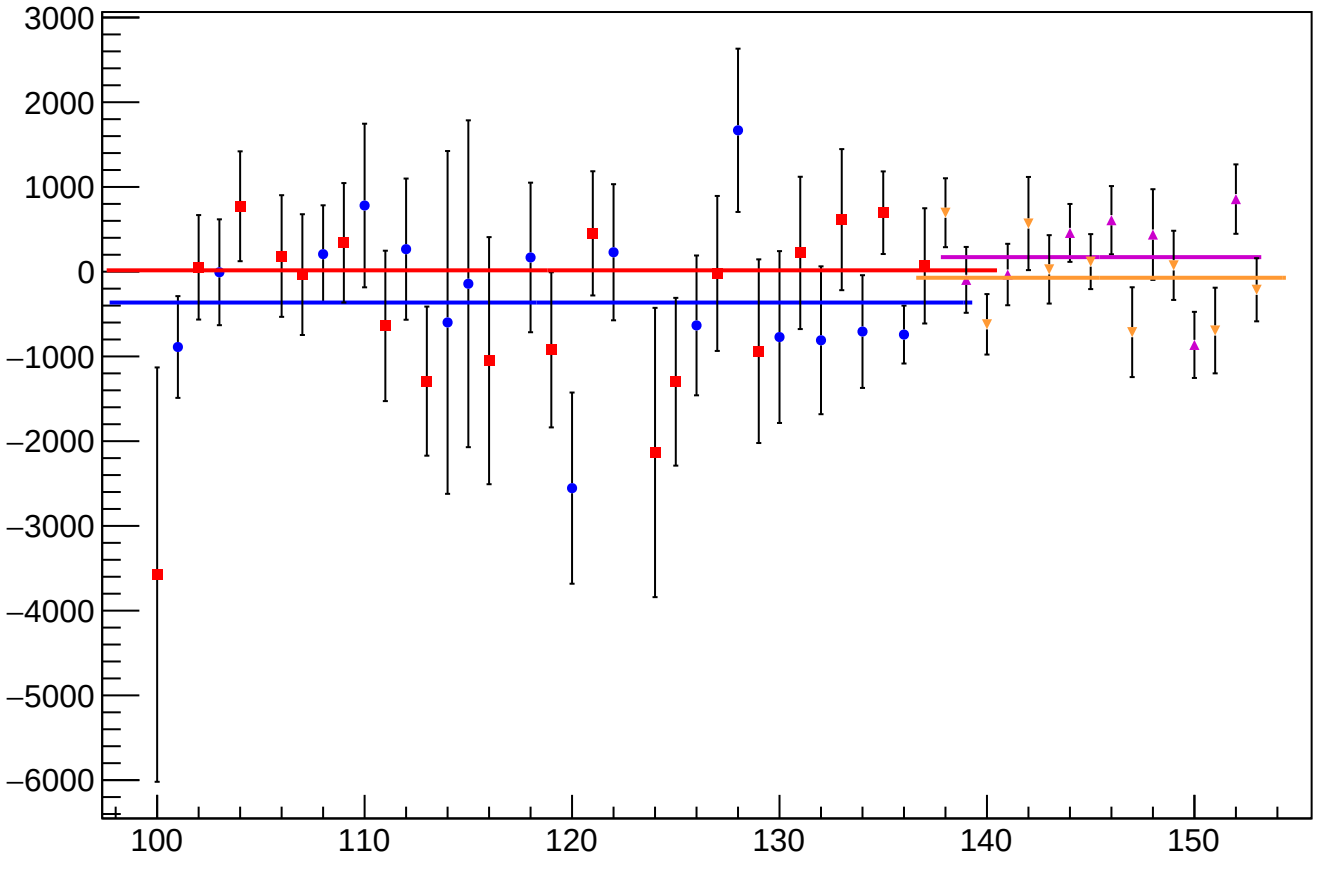
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.236+/-0.017 χ^2/NDF:98796.8/6

+ sign 57.320+/-0.011 χ^2/NDF: 504156.9/24

All: 58.016+/-0.008 χ^2/NDF: 1019259.5/50

- sign 58.787+/-0.011 χ^2/NDF: 506447.0/25



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -71.639+/-136.675 χ^2/NDF:11.0/8

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

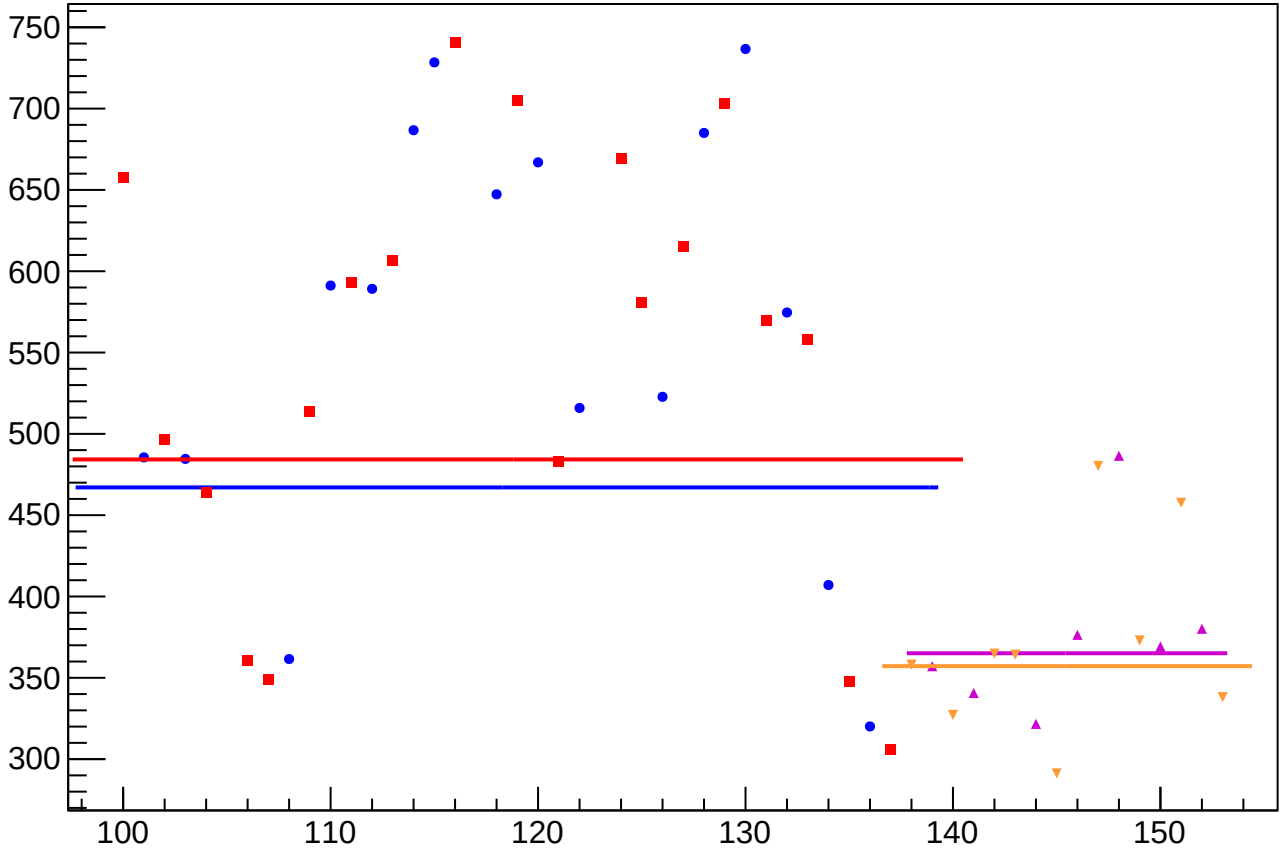
Left In: 171.948+/-149.088 χ^2/NDF:12.8/6

+ sign -178.118+/-108.985 χ^2/NDF: 27.8/24

All: -42.707+/-79.347 χ^2/NDF: 59.5/50

- sign 110.034+/-115.749 χ^2/NDF: 28.3/25

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 357.176+/-0.097 χ^2/NDF:292969.2/8

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

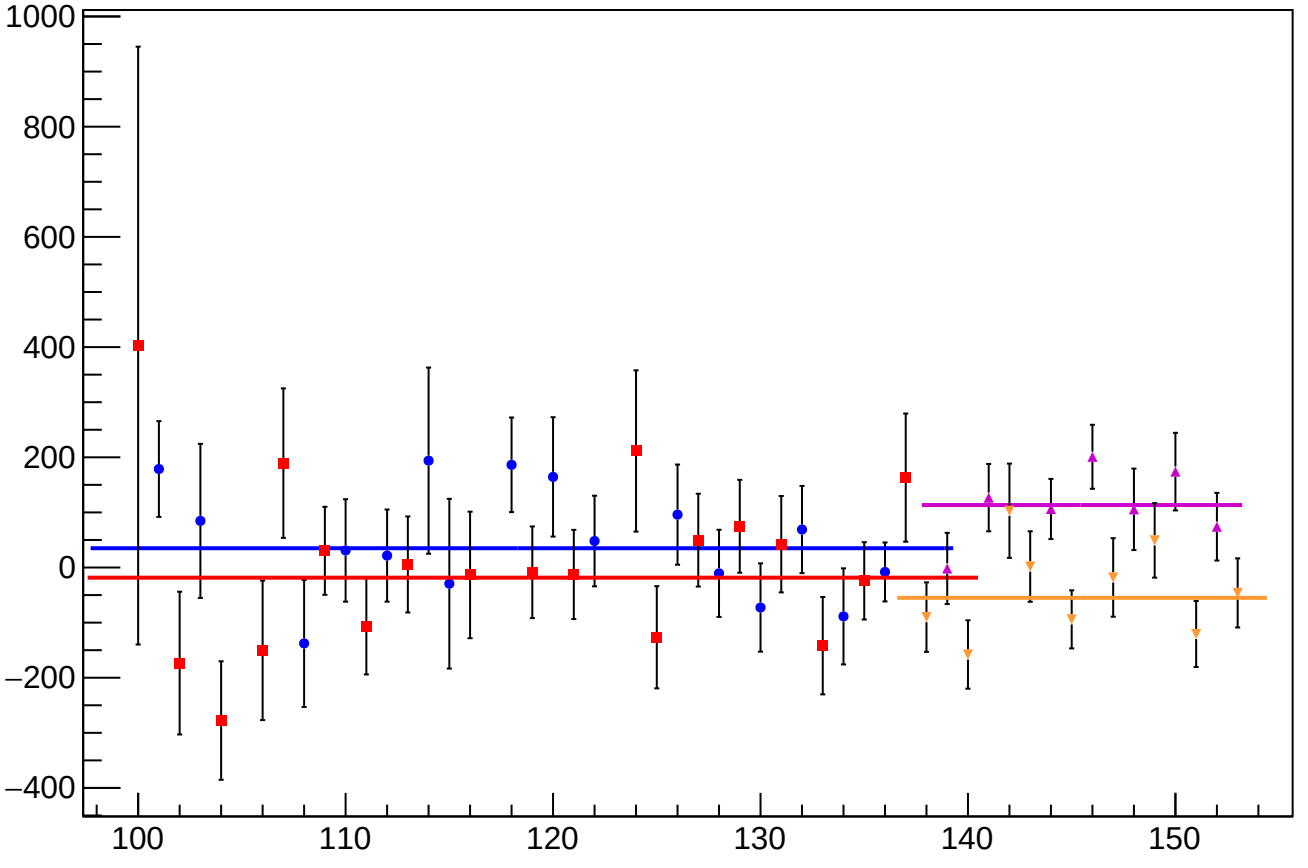
Left In: 365.110+/-0.105 χ^2/NDF:149771.0/6

\+ sign 397.195+/-0.077 χ^2/NDF: 1794110.1/24

All: 404.362+/-0.056 χ^2/NDF: 3358639.0/50

\- sign 412.446+/-0.082 χ^2/NDF: 1546123.3/25

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.004+/-21.319 χ^2/NDF:11.7/8

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

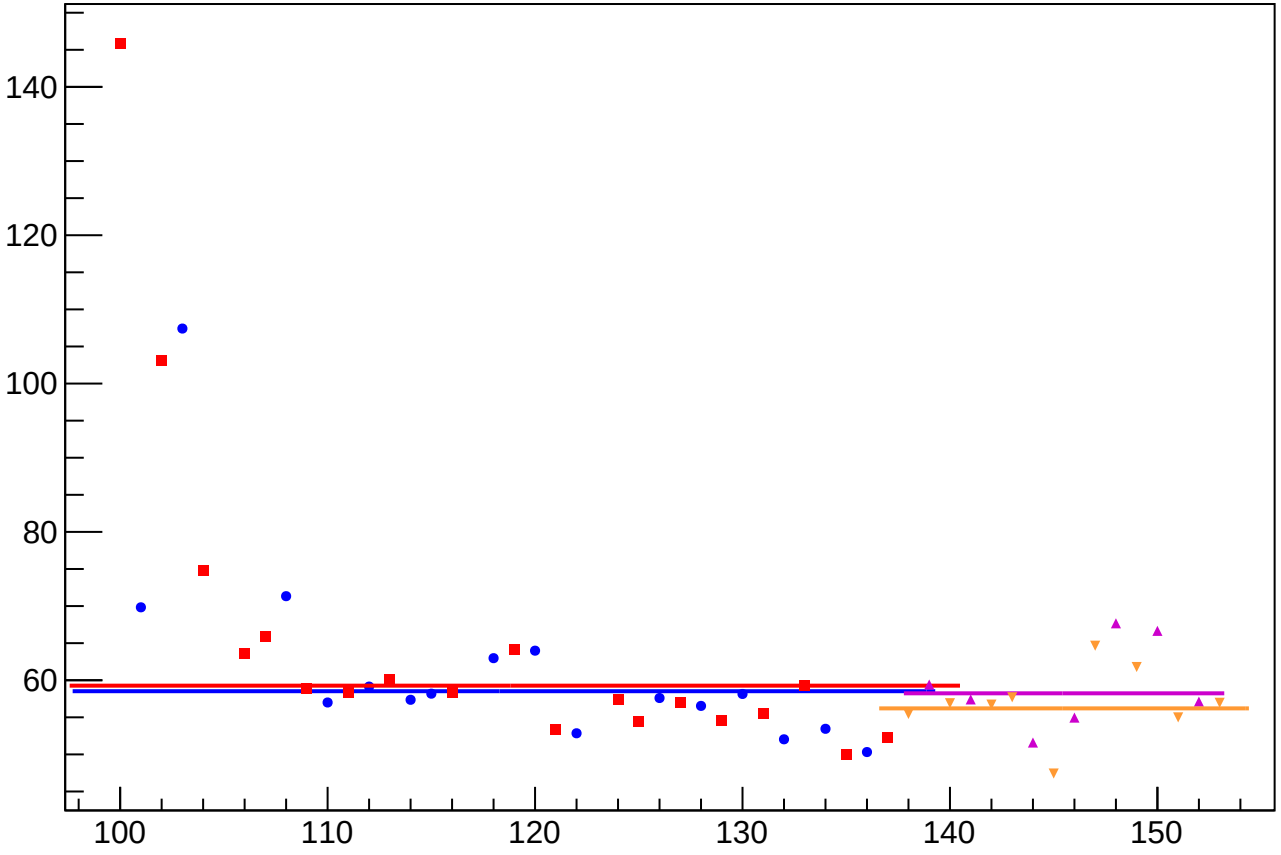
Left In: 113.362+/-23.645 χ^2/NDF:6.7/6

+ sign -11.683+/-15.355 χ^2/NDF: 36.4/24

All: 14.330+/-11.132 χ^2/NDF: 89.1/50

- sign 43.148+/-16.162 χ^2/NDF: 46.6/25

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.206+/-0.015 χ^2/NDF:100055.1/8

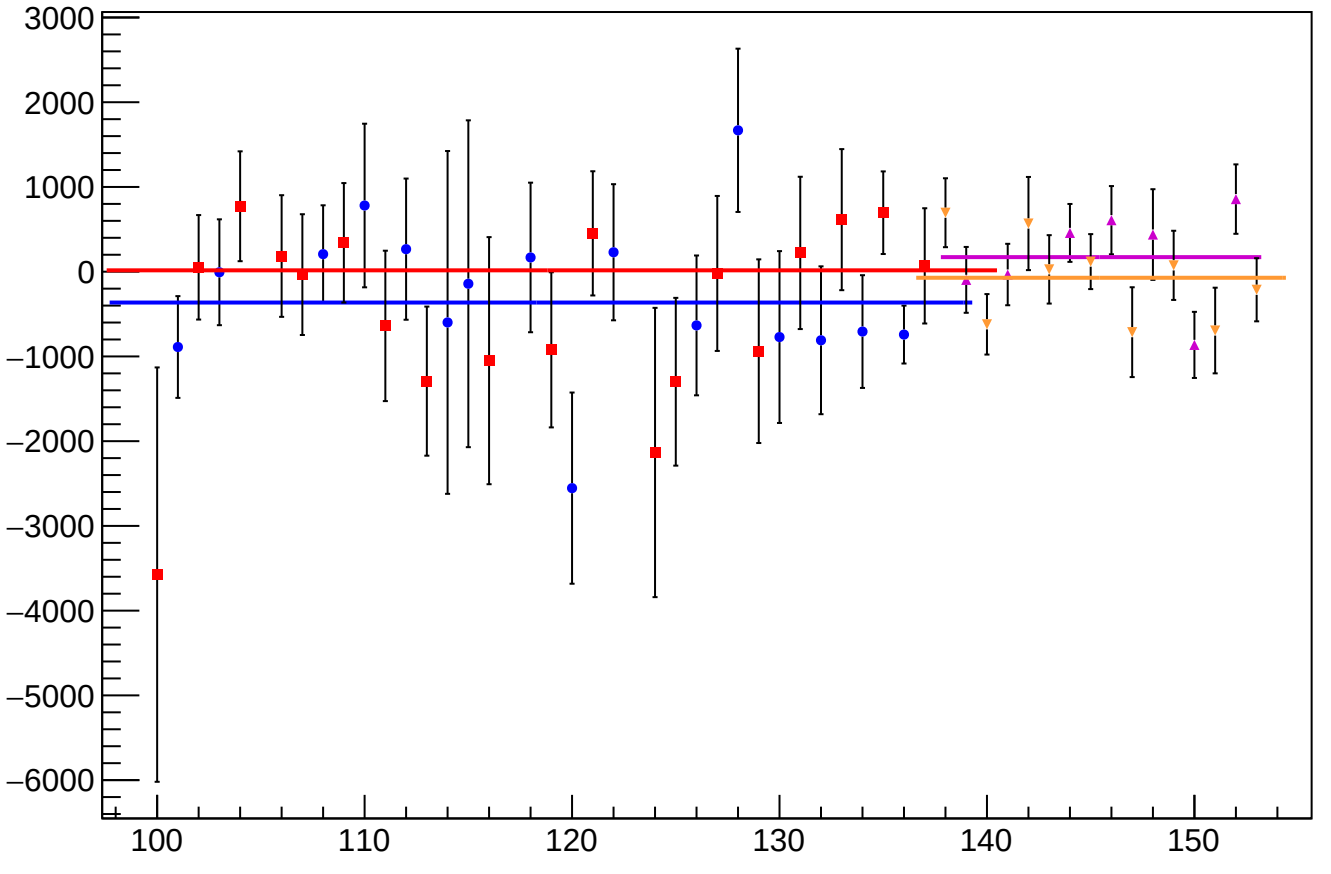
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.236+/-0.017 χ^2/NDF:98796.8/6

+ sign 57.320+/-0.011 χ^2/NDF: 504156.9/24

All: 58.016+/-0.008 χ^2/NDF: 1019259.5/50

- sign 58.787+/-0.011 χ^2/NDF: 506447.0/25



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -71.639+/-136.675 χ^2/NDF:11.0/8

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

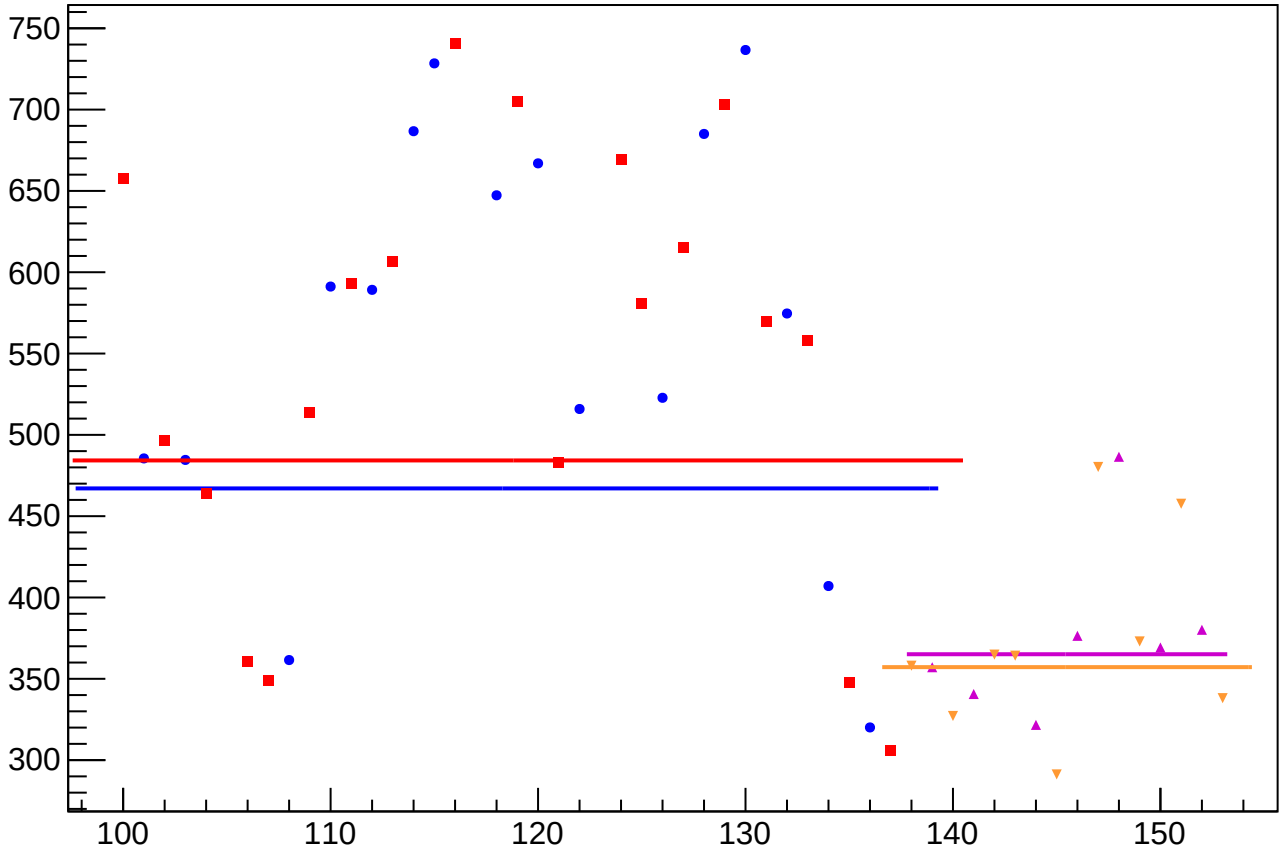
Left In: 171.948+/-149.088 χ^2/NDF:12.8/6

+ sign -178.118+/-108.985 χ^2/NDF: 27.8/24

All: -42.707+/-79.347 χ^2/NDF: 59.5/50

- sign 110.034+/-115.749 χ^2/NDF: 28.3/25

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 357.176+/-0.097 χ^2/NDF:292969.2/8

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

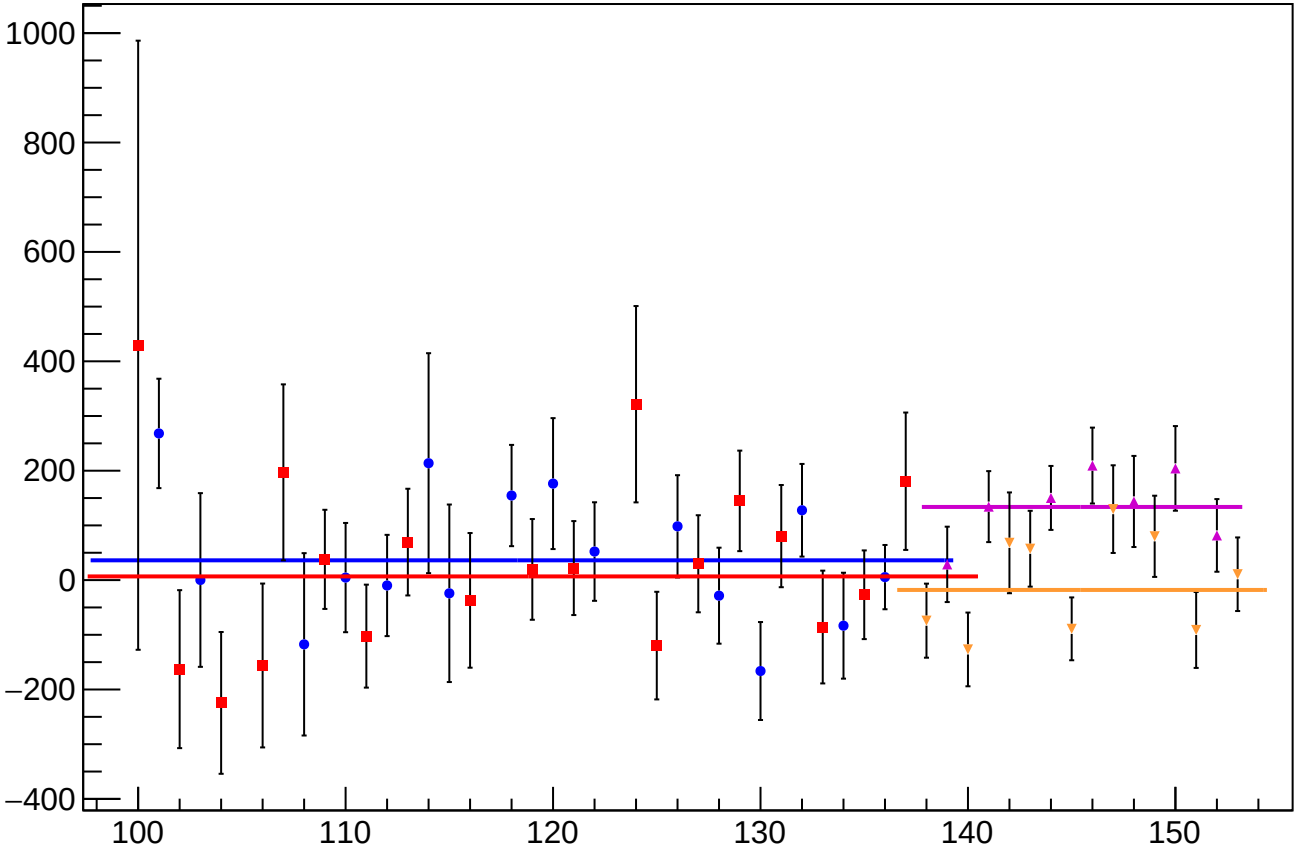
Left In: 365.110+/-0.105 χ^2/NDF:149771.0/6

\+ sign 397.195+/-0.077 χ^2/NDF: 1794110.1/24

All: 404.362+/-0.056 χ^2/NDF: 3358639.0/50

\- sign 412.446+/-0.082 χ^2/NDF: 1546123.3/25

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -17.989+/-23.357 χ^2/NDF:13.3/8

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

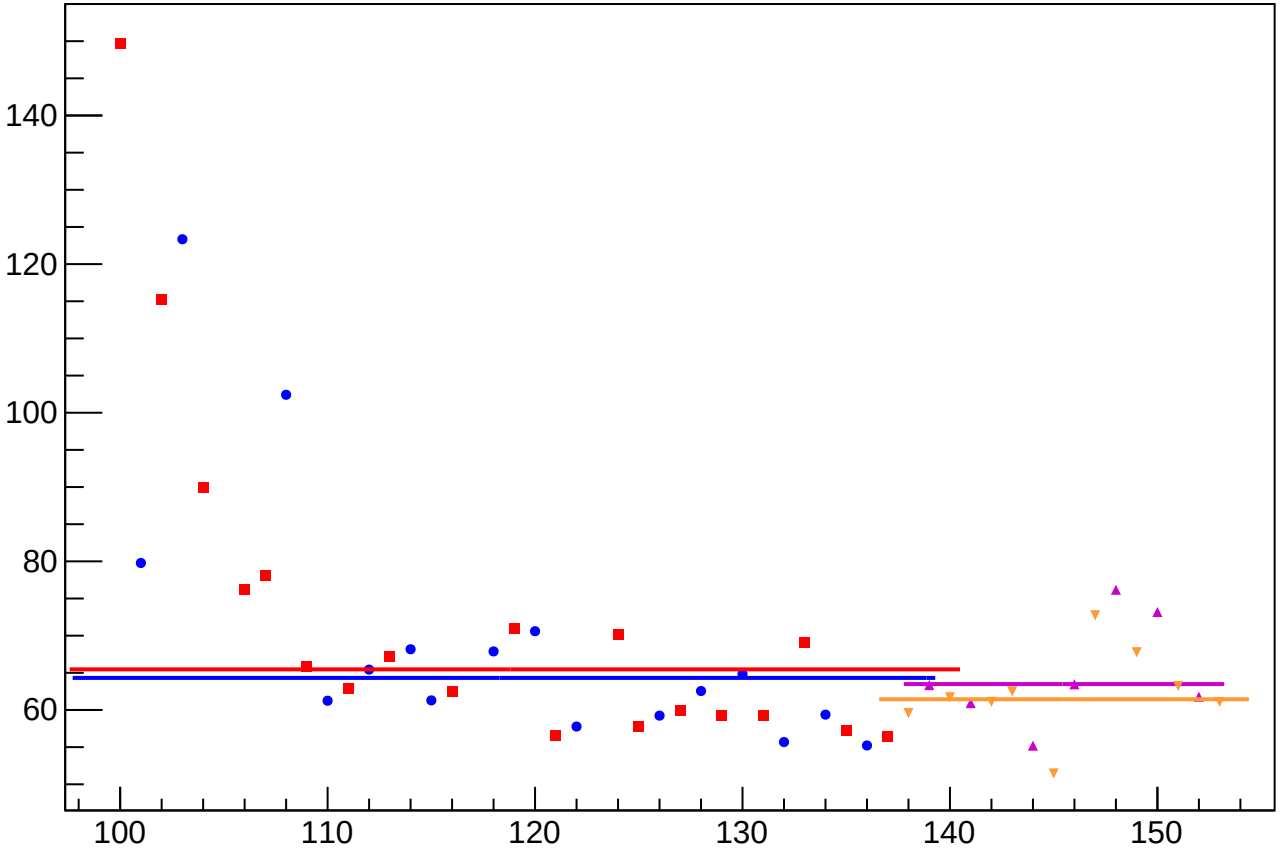
Left In: 133.738+/-25.940 χ^2/NDF:5.0/6

+ sign 7.823+/-16.896 χ^2/NDF: 35.5/24

All: 35.707+/-12.266 χ^2/NDF: 79.3/50

- sign 66.781+/-17.836 χ^2/NDF: 38.0/25

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.443+/-0.017 χ^2/NDF:118191.6/8

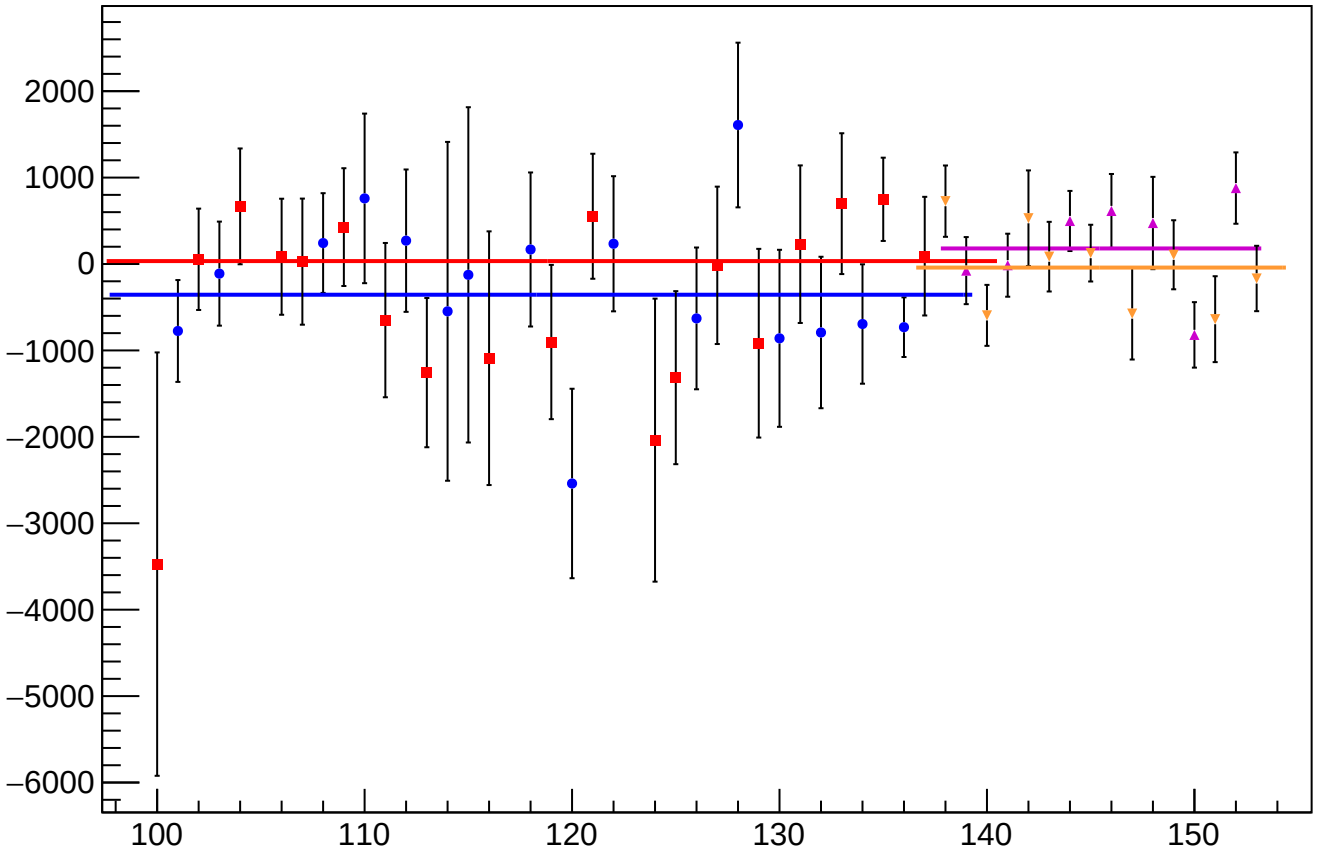
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.488+/-0.018 χ^2/NDF:122485.3/6

+ sign 62.813+/-0.012 χ^2/NDF: 664687.5/24

All: 63.625+/-0.009 χ^2/NDF: 1285447.4/50

- sign 64.531+/-0.013 χ^2/NDF: 610979.7/25



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -41.225+/-136.773 χ^2/NDF:10.0/8

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

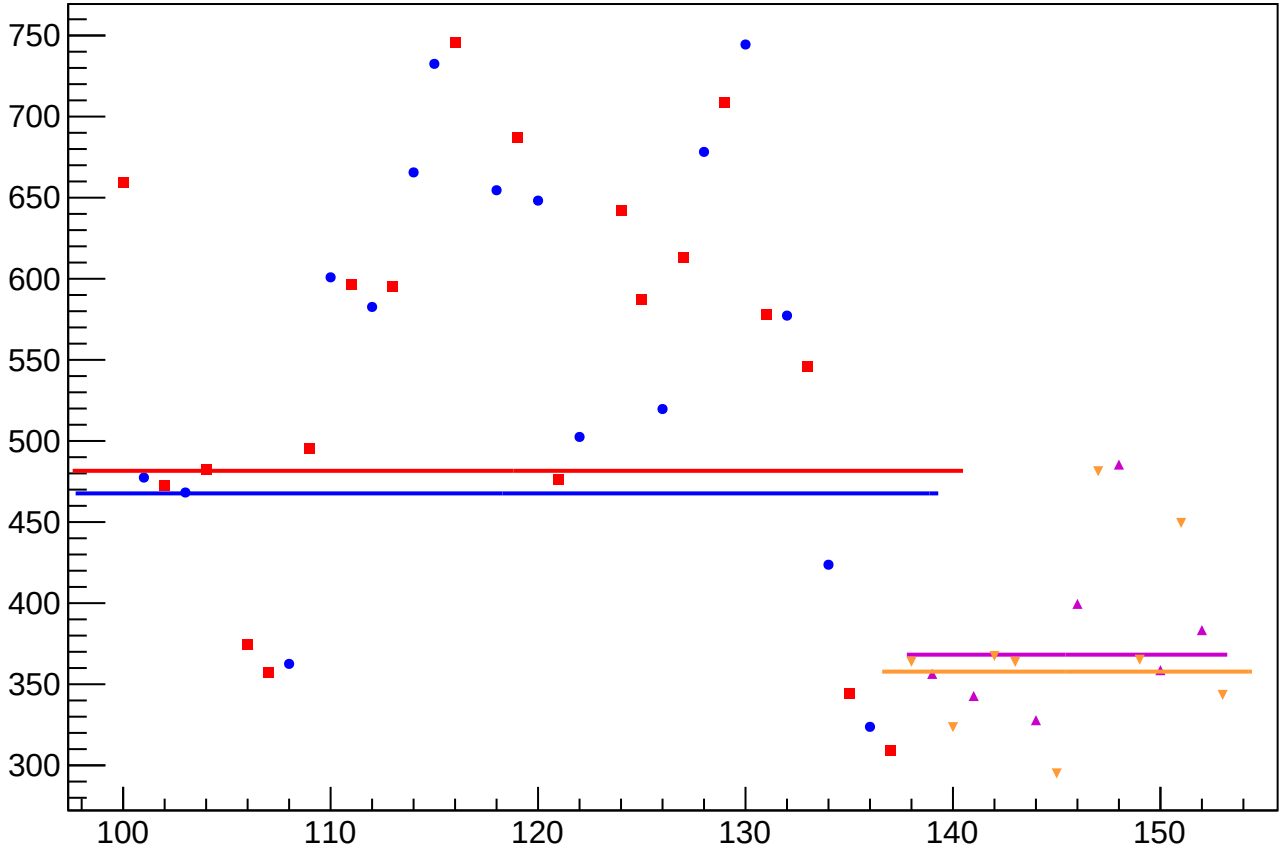
Left In: 179.951+/-150.361 χ^2/NDF:12.7/6

+ sign -156.000+/-108.975 χ^2/NDF: 26.8/24

All: -26.149+/-79.362 χ^2/NDF: 58.3/50

- sign 120.488+/-115.805 χ^2/NDF: 28.5/25

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 357.786+/-0.097 χ^2/NDF:273090.5/8

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

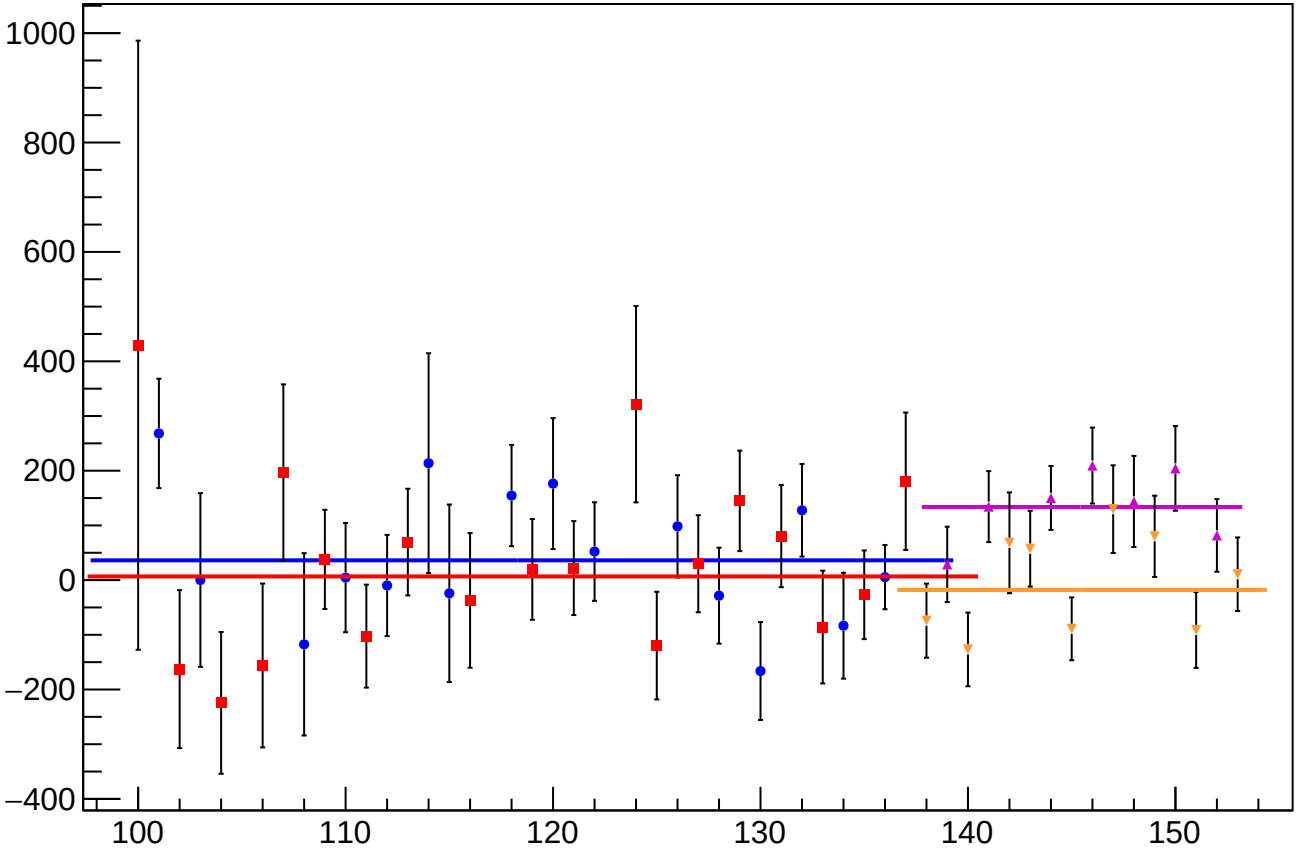
Left In: 368.240+/-0.106 χ^2/NDF:149565.2/6

+ sign 397.914+/-0.077 χ^2/NDF: 1730478.9/24

All: 405.637+/-0.056 χ^2/NDF: 3218179.5/50

- sign 414.358+/-0.082 χ^2/NDF: 1466315.1/25

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -17.988+/-23.357 χ^2/NDF:13.3/8

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

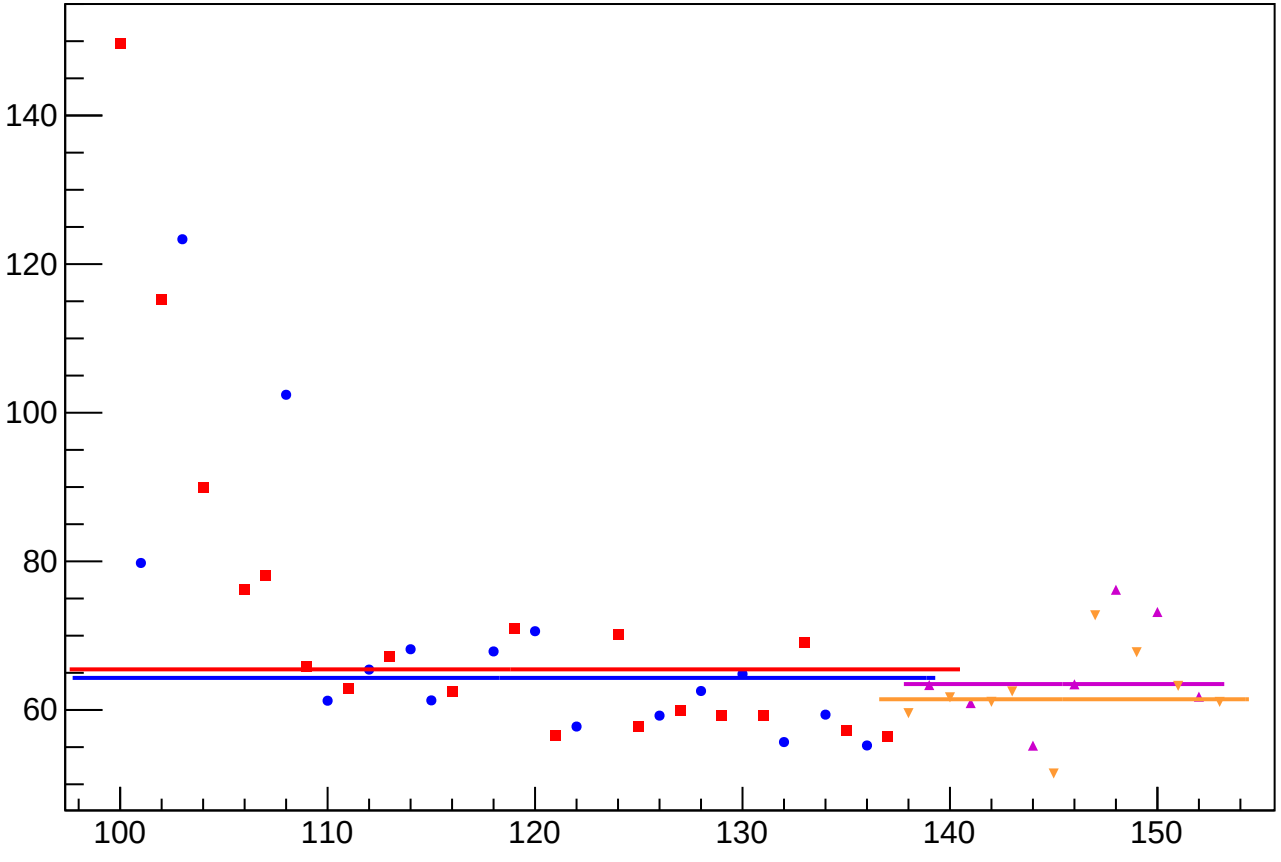
Left In: 133.738+/-25.940 χ^2/NDF:5.0/6

+ sign 7.824+/-16.896 χ^2/NDF: 35.5/24

All: 35.708+/-12.266 χ^2/NDF: 79.3/50

- sign 66.781+/-17.836 χ^2/NDF: 38.0/25

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.443+/-0.017 χ^2/NDF:118194.4/8

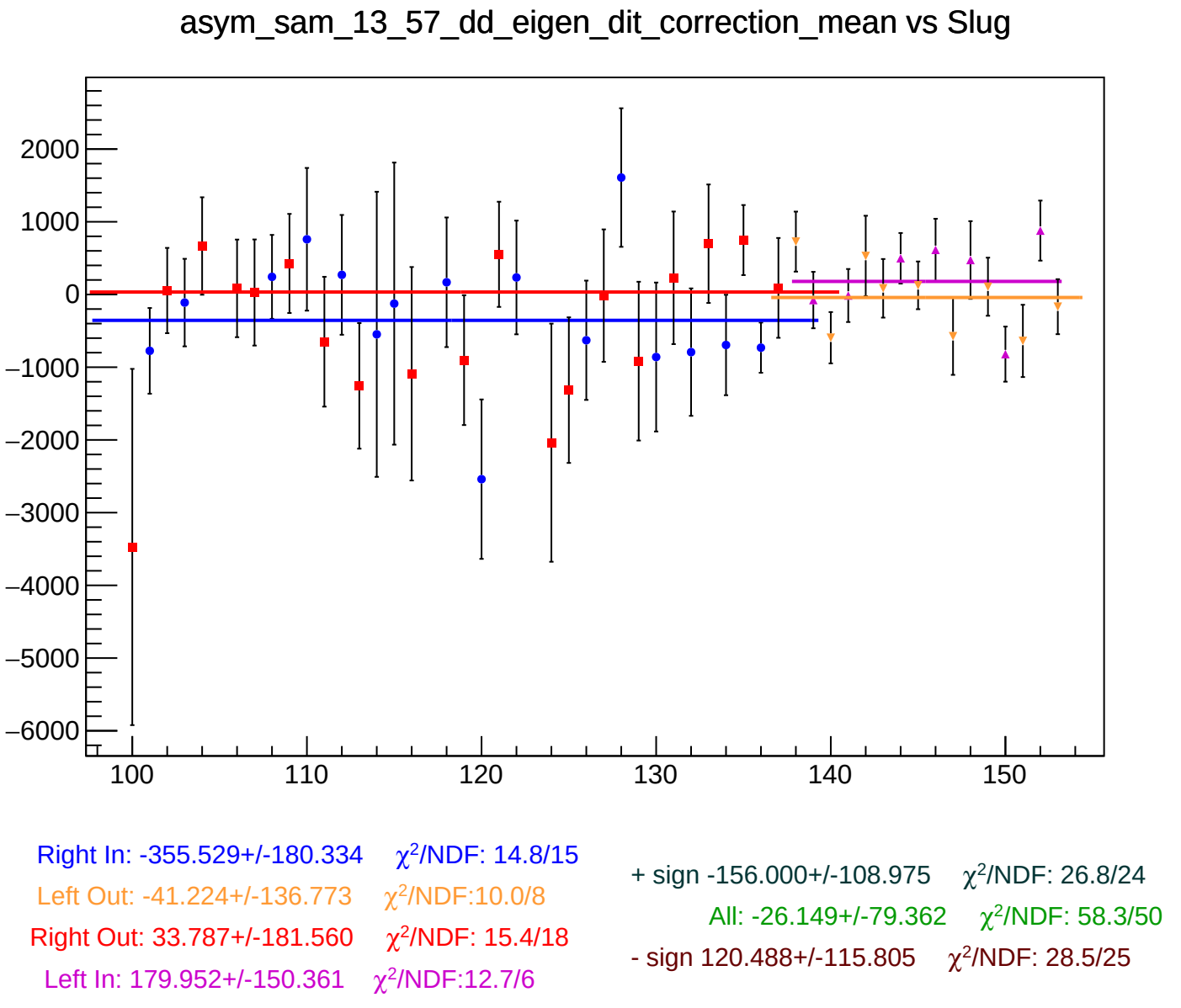
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

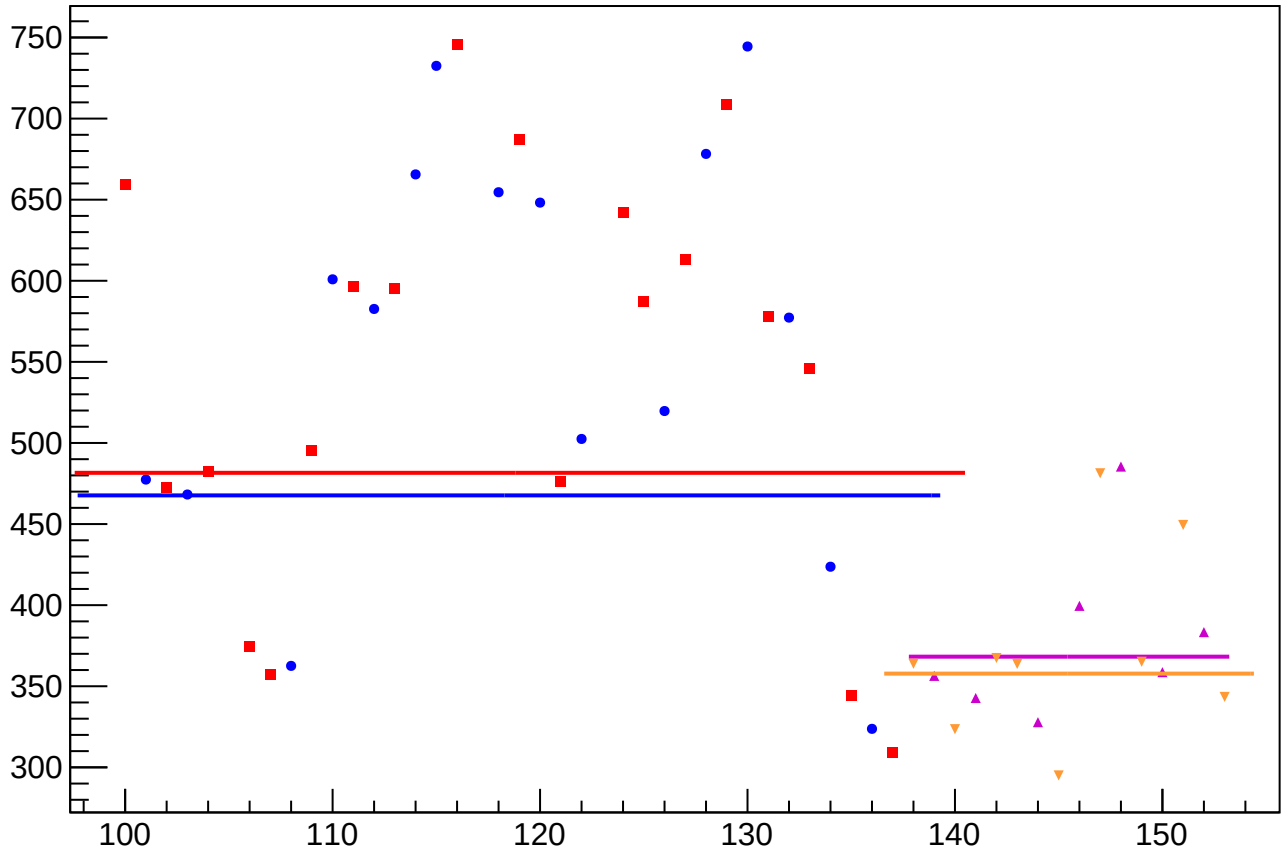
Left In: 63.488+/-0.018 χ^2/NDF:122487.5/6

+ sign 62.813+/-0.012 χ^2/NDF: 664696.7/24

All: 63.625+/-0.009 χ^2/NDF: 1285463.6/50

- sign 64.531+/-0.013 χ^2/NDF: 610986.8/25


asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
Right In: -355.529+/-180.334 χ²/NDF: 14.8/15
Left Out: -41.224+/-136.773 χ²/NDF:10.0/8
Right Out: 33.787+/-181.560 χ²/NDF: 15.4/18
Left In: 179.952+/-150.361 χ²/NDF:12.7/6
+ sign -156.000+/-108.975 χ²/NDF: 26.8/24
All: -26.149+/-79.362 χ²/NDF: 58.3/50
- sign 120.488+/-115.805 χ²/NDF: 28.5/25



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 357.786+/-0.097 χ^2/NDF:273089.9/8

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

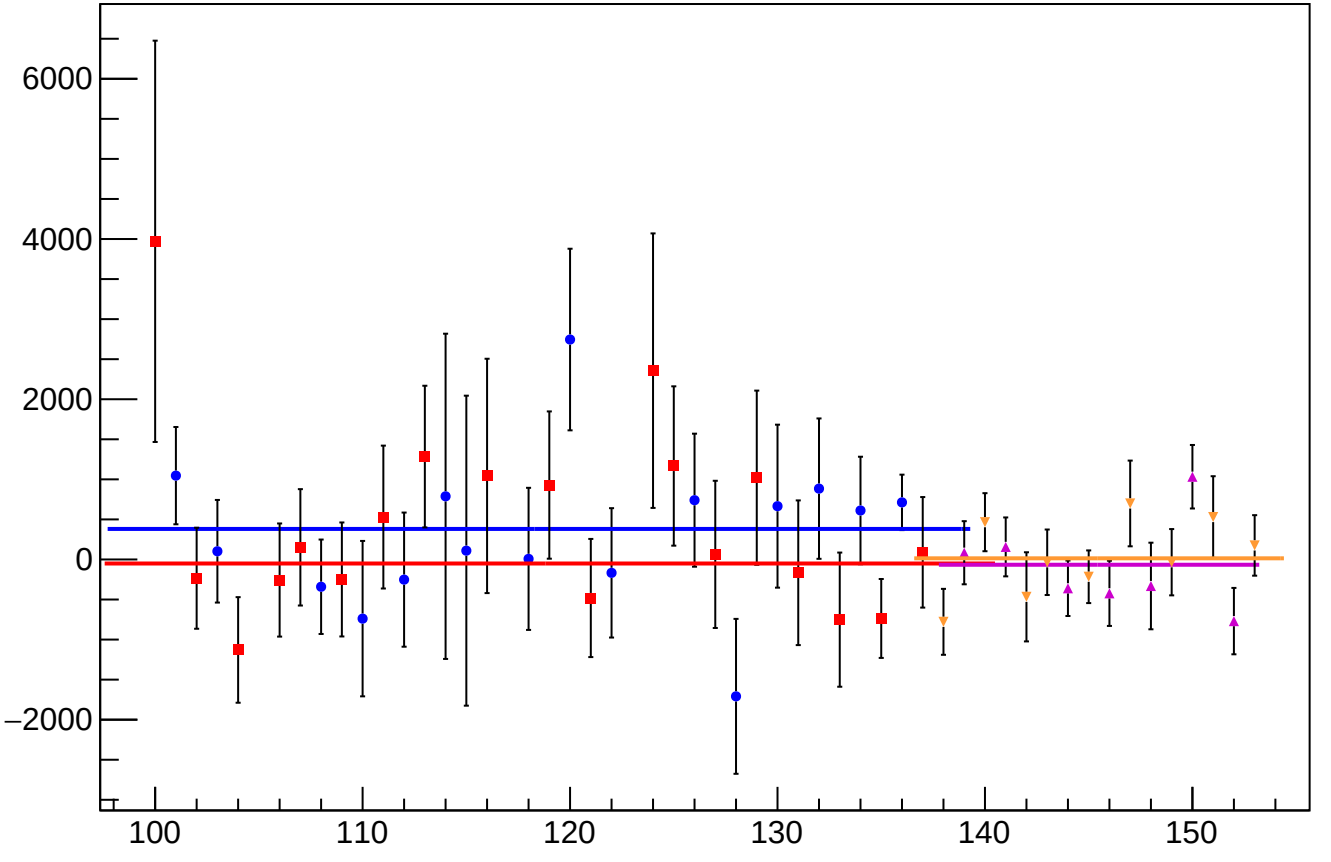
Left In: 368.240+/-0.106 χ^2/NDF:149564.8/6

+ sign 397.914+/-0.077 χ^2/NDF: 1730474.0/24

All: 405.637+/-0.056 χ^2/NDF: 3218165.6/50

- sign 414.358+/-0.082 χ^2/NDF: 1466306.1/25

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 14.284+/-138.427 χ^2/NDF:9.4/8

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

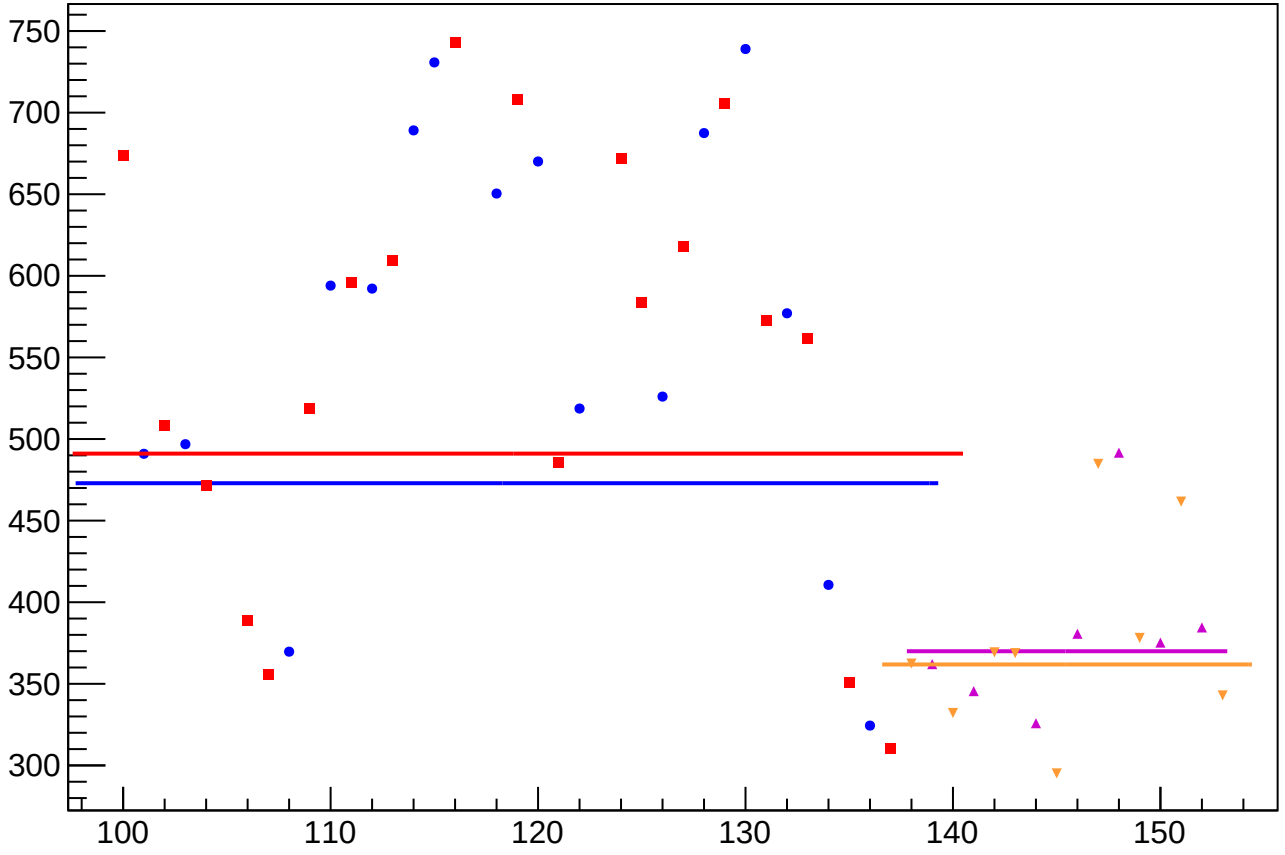
Left In: -66.070+/-151.039 χ^2/NDF:12.8/6

+ sign 148.099+/-110.324 χ^2/NDF: 28.1/24

All: 50.302+/-80.288 χ^2/NDF: 60.0/50

- sign -59.810+/-117.064 χ^2/NDF: 30.3/25

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 361.866+/-0.098 χ^2/NDF:287264.4/8

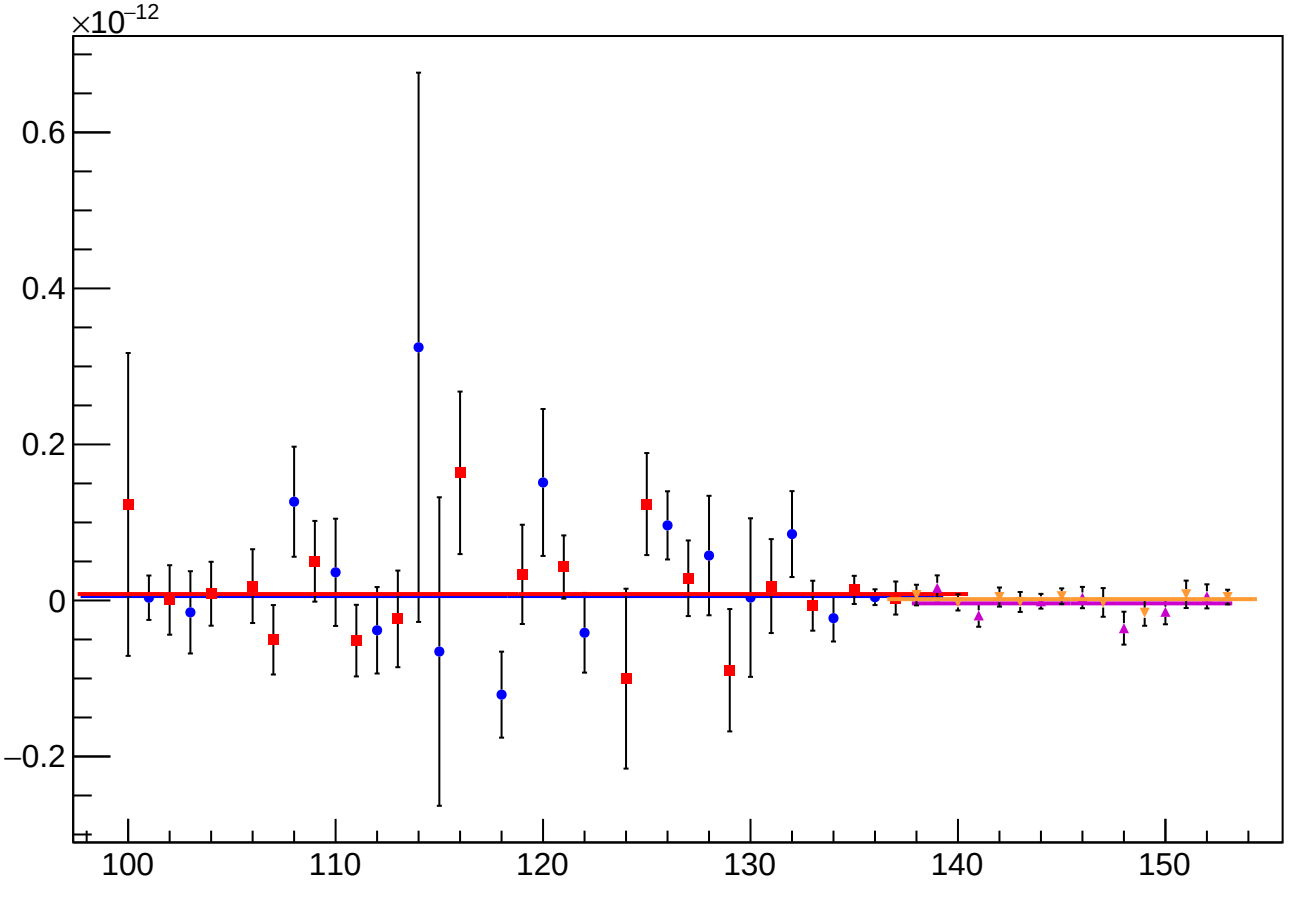
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 369.968+/-0.107 χ^2/NDF:147699.2/6

\+ sign 402.382+/-0.078 χ^2/NDF: 1757185.1/24

All: 409.878+/-0.057 χ^2/NDF: 3285321.8/50

\- sign 418.319+/-0.083 χ^2/NDF: 1508504.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/8

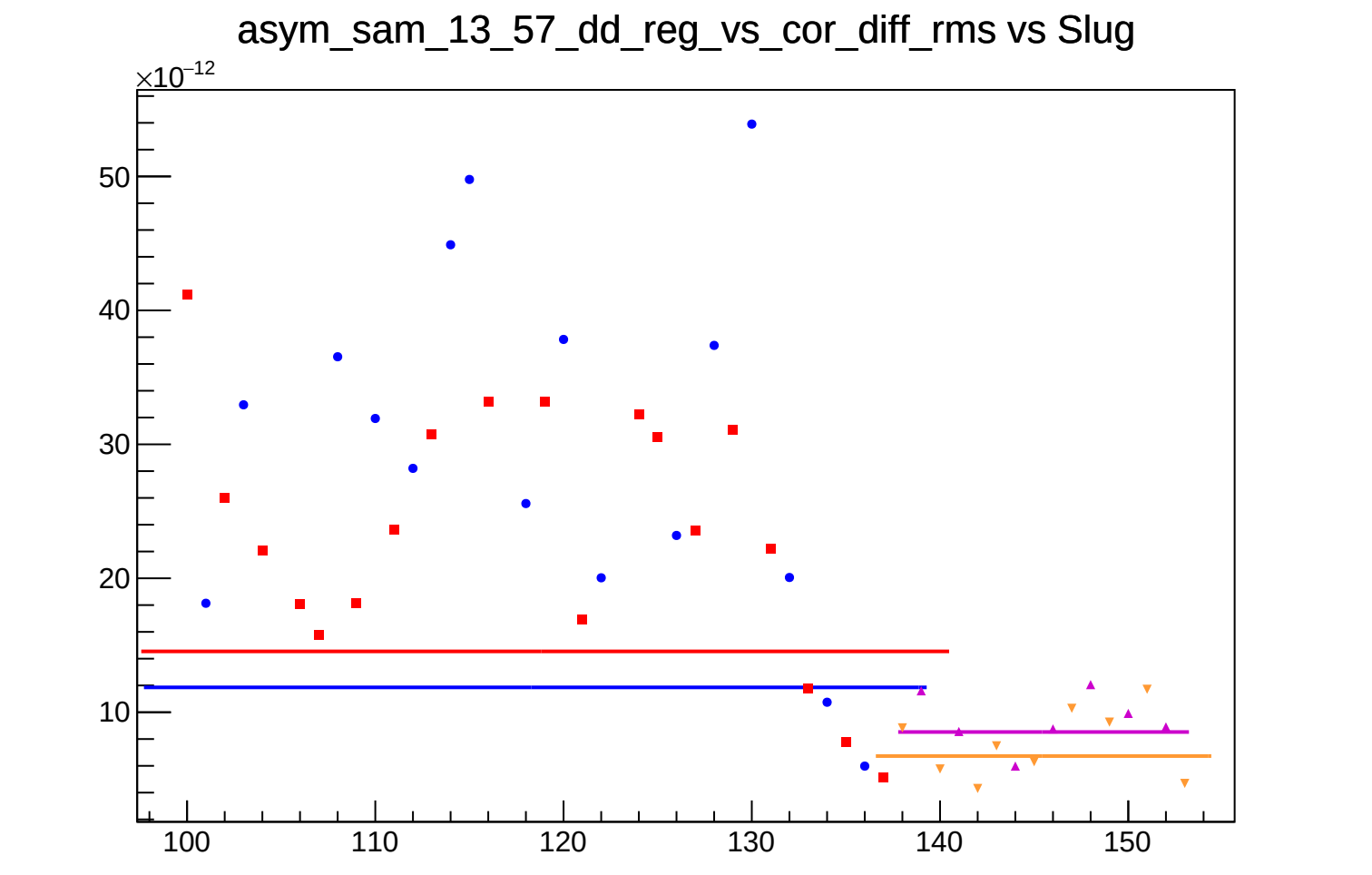
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/24

All: 0.000+/-0.000 χ^2/NDF: 44.9/50

- sign -0.000+/-0.000 χ^2/NDF: 21.3/25


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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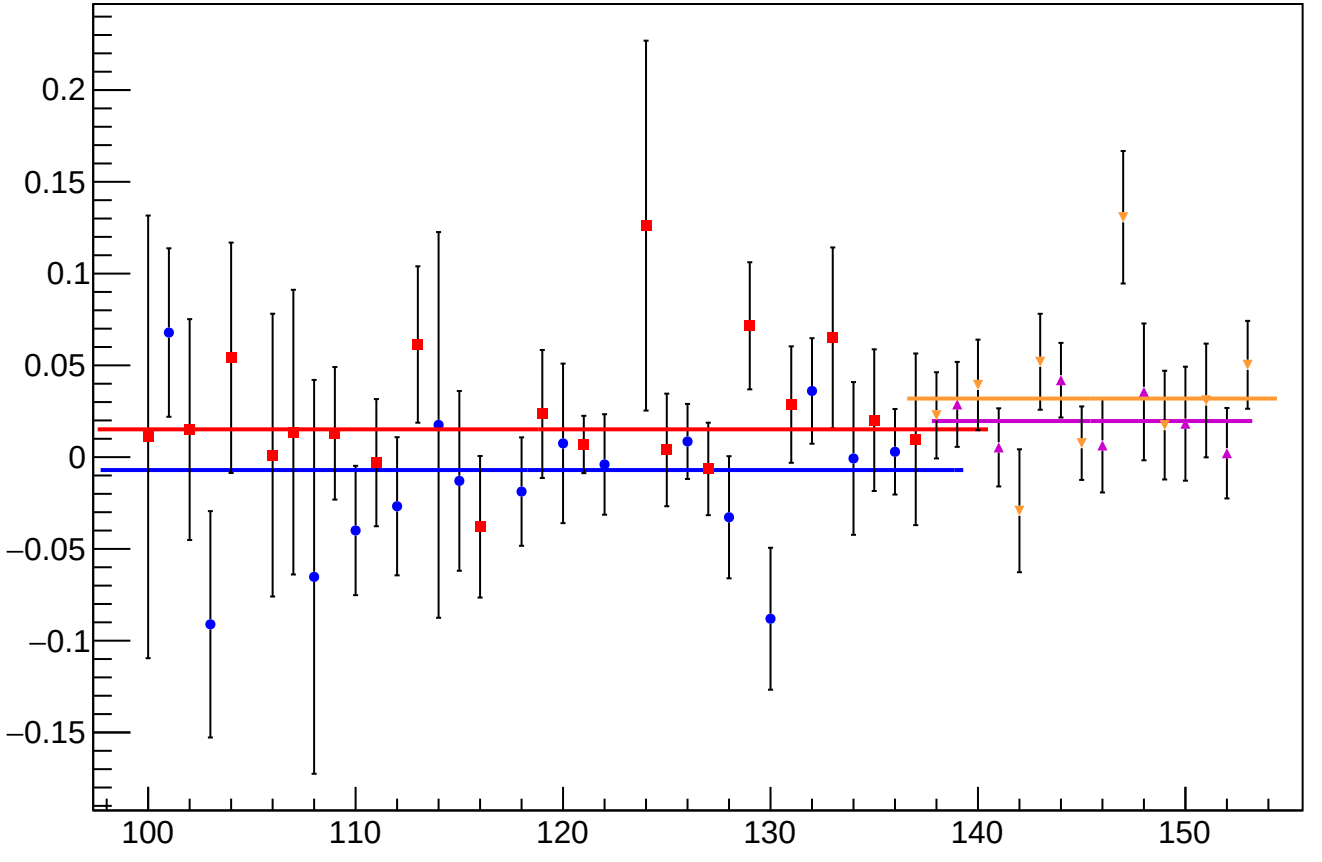
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:533845.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:291269.2/6
+ sign 0.000+/-0.000 χ²/NDF: 4017639.3/24
All: 0.000+/-0.000 χ²/NDF: 6995180.2/50
- sign 0.000+/-0.000 χ²/NDF: 2693668.8/25

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.032+/-0.009 χ^2/NDF:14.0/8

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

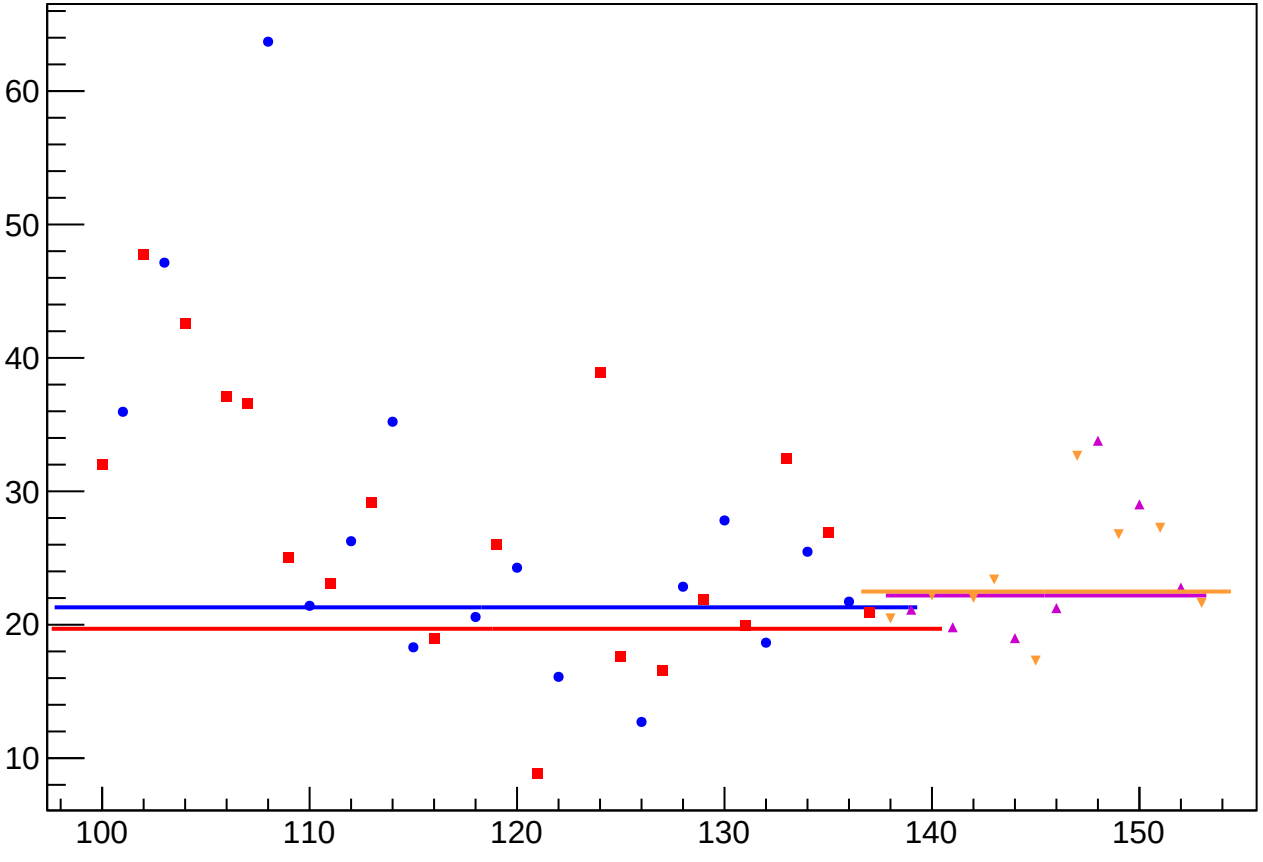
Left In: 0.020+/-0.009 χ^2/NDF:2.8/6

+ sign 0.012+/-0.006 χ^2/NDF: 38.3/24

All: 0.015+/-0.004 χ^2/NDF: 51.6/50

- sign 0.017+/-0.006 χ^2/NDF: 13.0/25

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.488+/-0.006 χ^2/NDF:402632.2/8

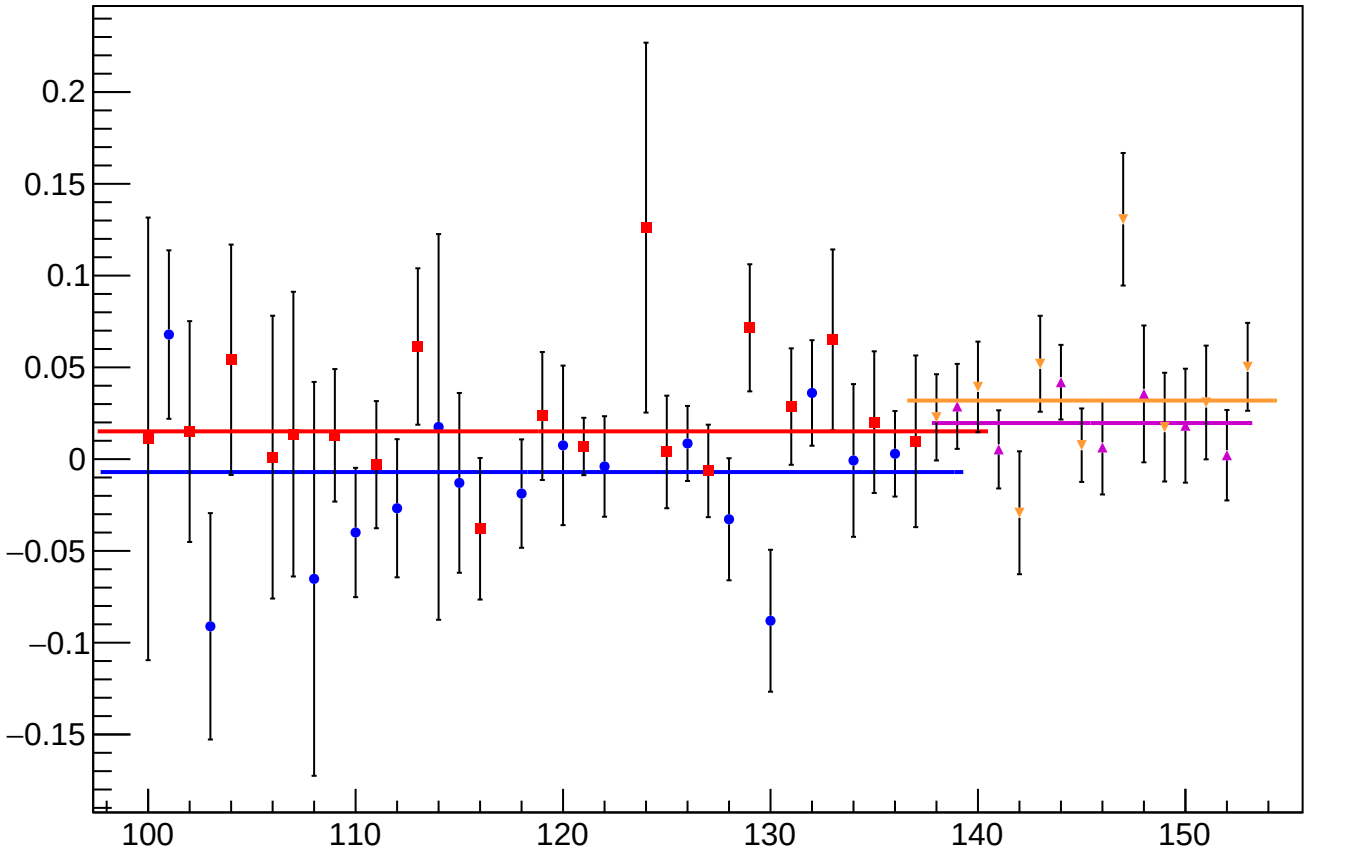
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.194+/-0.007 χ^2/NDF:372937.7/6

+ sign 21.887+/-0.004 χ^2/NDF: 1900536.2/24

All: 21.339+/-0.003 χ^2/NDF: 4824738.3/50

- sign 20.785+/-0.004 χ^2/NDF: 2892245.4/25



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.032+/-0.009 χ^2/NDF:14.0/8

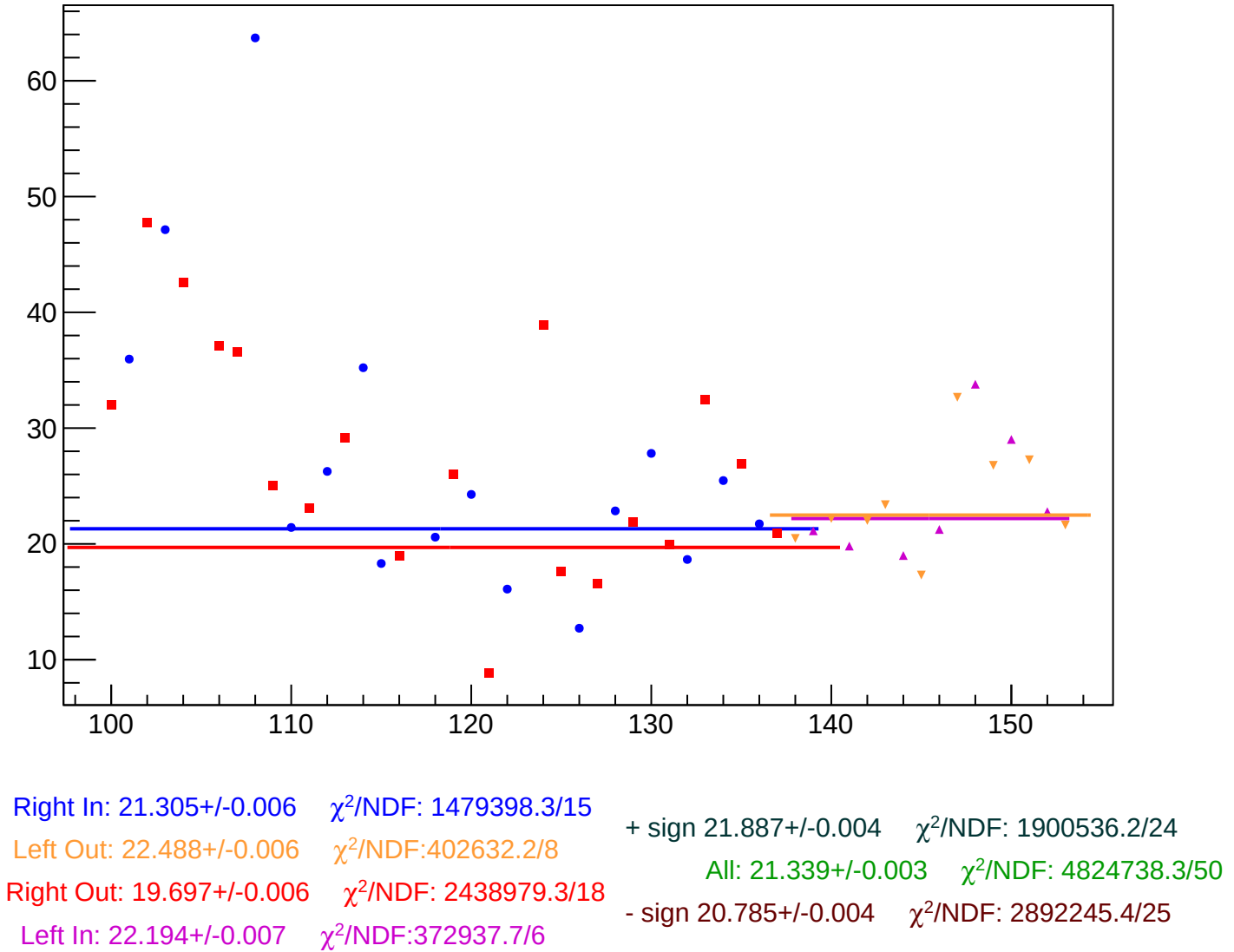
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.020+/-0.009 χ^2/NDF:2.8/6

+ sign 0.012+/-0.006 χ^2/NDF: 38.3/24

All: 0.015+/-0.004 χ^2/NDF: 51.6/50

- sign 0.017+/-0.006 χ^2/NDF: 13.0/25


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug
60
50
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100
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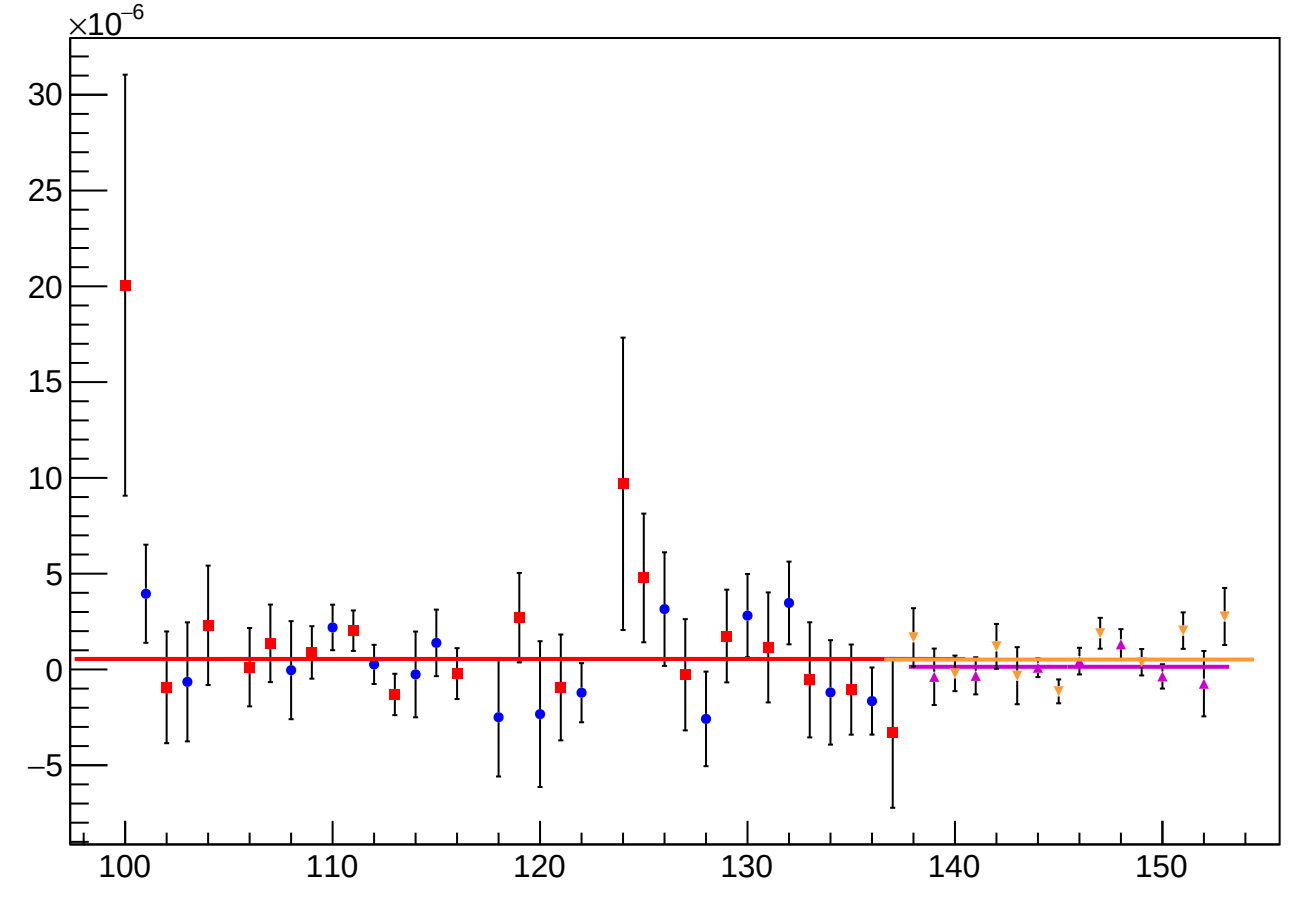
130
140
150
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 22.488+/-0.006 χ²/NDF:402632.2/8
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 22.194+/-0.007 χ²/NDF:372937.7/6
+ sign 21.887+/-0.004 χ²/NDF: 1900536.2/24
All: 21.339+/-0.003 χ²/NDF: 4824738.3/50
- sign 20.785+/-0.004 χ²/NDF: 2892245.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/8

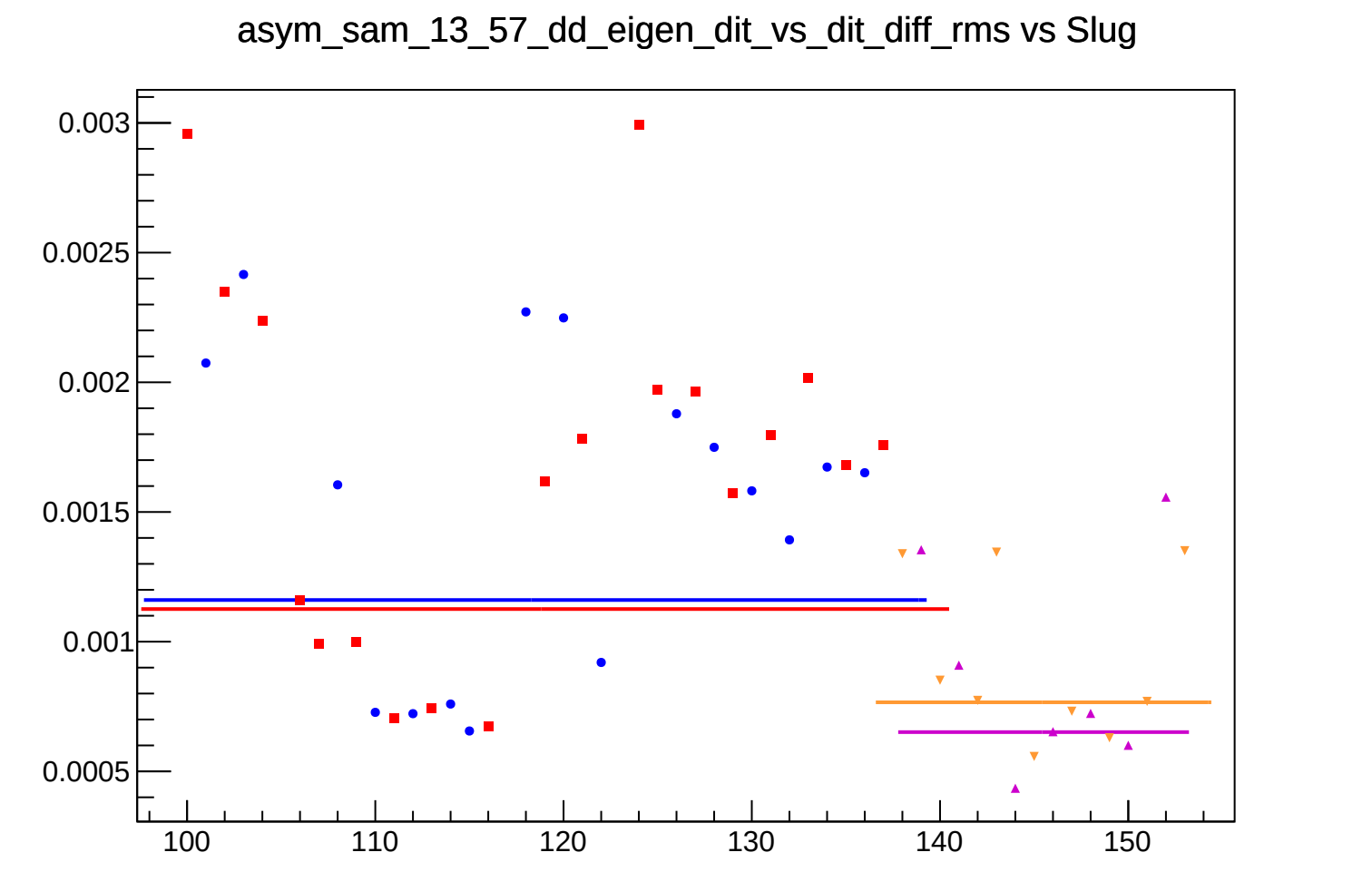
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

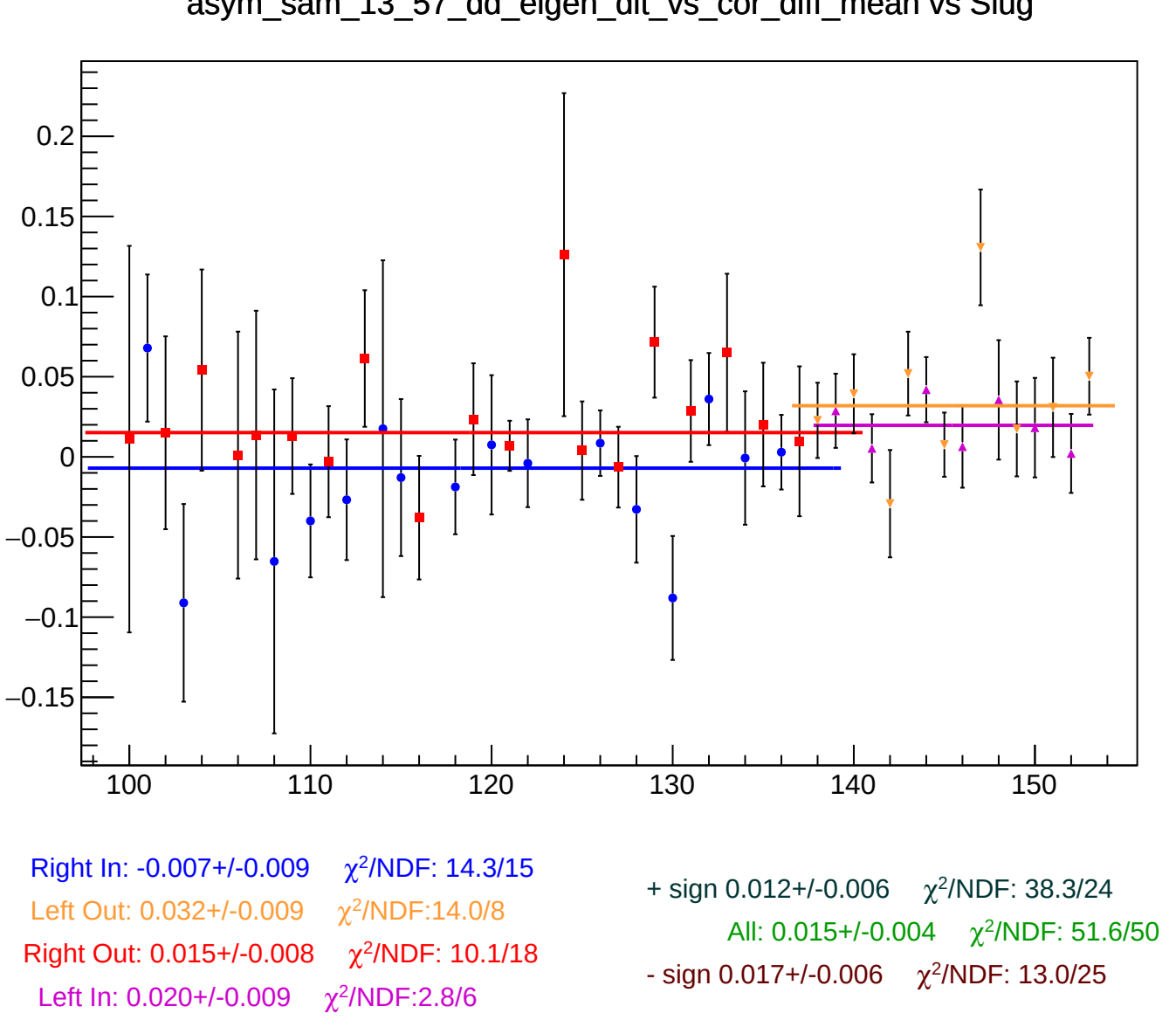
Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

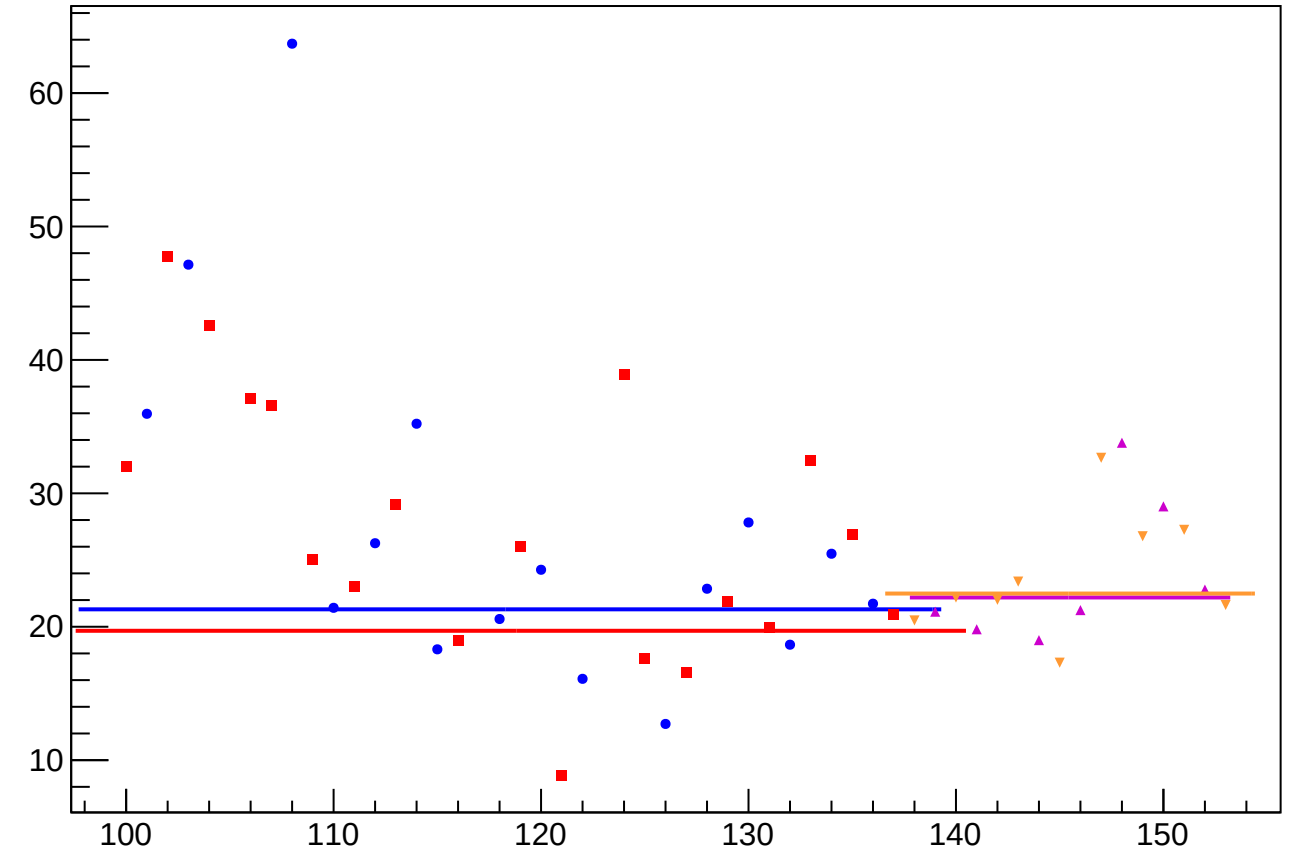
+ sign 0.000+/-0.000 χ^2/NDF: 31.1/24

All: 0.000+/-0.000 χ^2/NDF: 51.3/50

- sign 0.000+/-0.000 χ^2/NDF: 19.6/25


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1216405.2/8
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:1581065.1/6
+ sign 0.001+/-0.000 χ²/NDF: 4710855.3/24
All: 0.001+/-0.000 χ²/NDF: 10606378.9/50
- sign 0.001+/-0.000 χ²/NDF: 5745545.3/25


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.032+/-0.009 χ²/NDF:14.0/8
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.020+/-0.009 χ²/NDF:2.8/6
+ sign 0.012+/-0.006 χ²/NDF: 38.3/24
All: 0.015+/-0.004 χ²/NDF: 51.6/50
- sign 0.017+/-0.006 χ²/NDF: 13.0/25



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.489+/-0.006 χ^2/NDF:402660.8/8

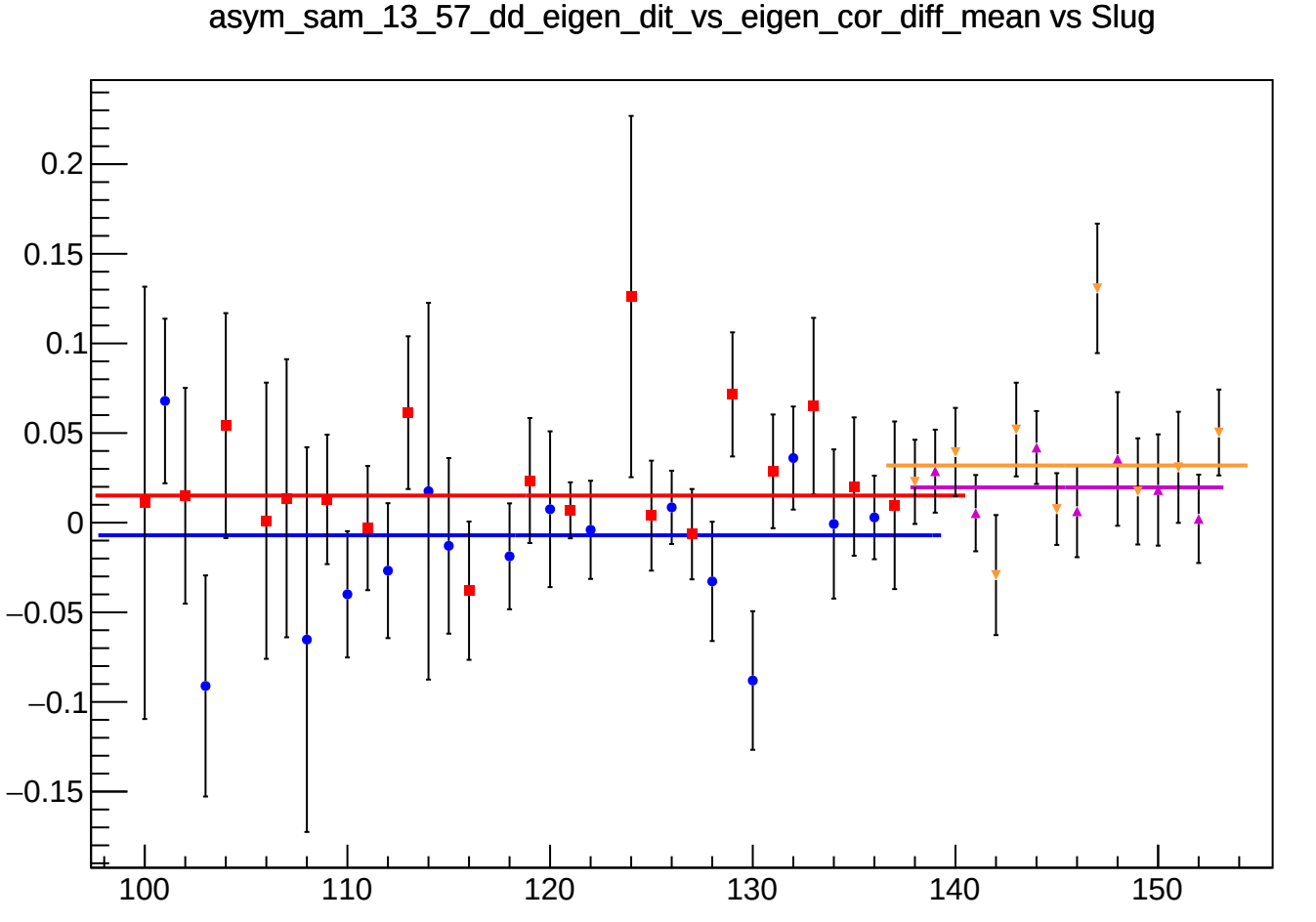
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.194+/-0.007 χ^2/NDF:372949.4/6

+ sign 21.887+/-0.004 χ^2/NDF: 1900395.5/24

All: 21.339+/-0.003 χ^2/NDF: 4824201.9/50

- sign 20.785+/-0.004 χ^2/NDF: 2891864.5/25


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
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−0.05
−0.1
−0.15
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130
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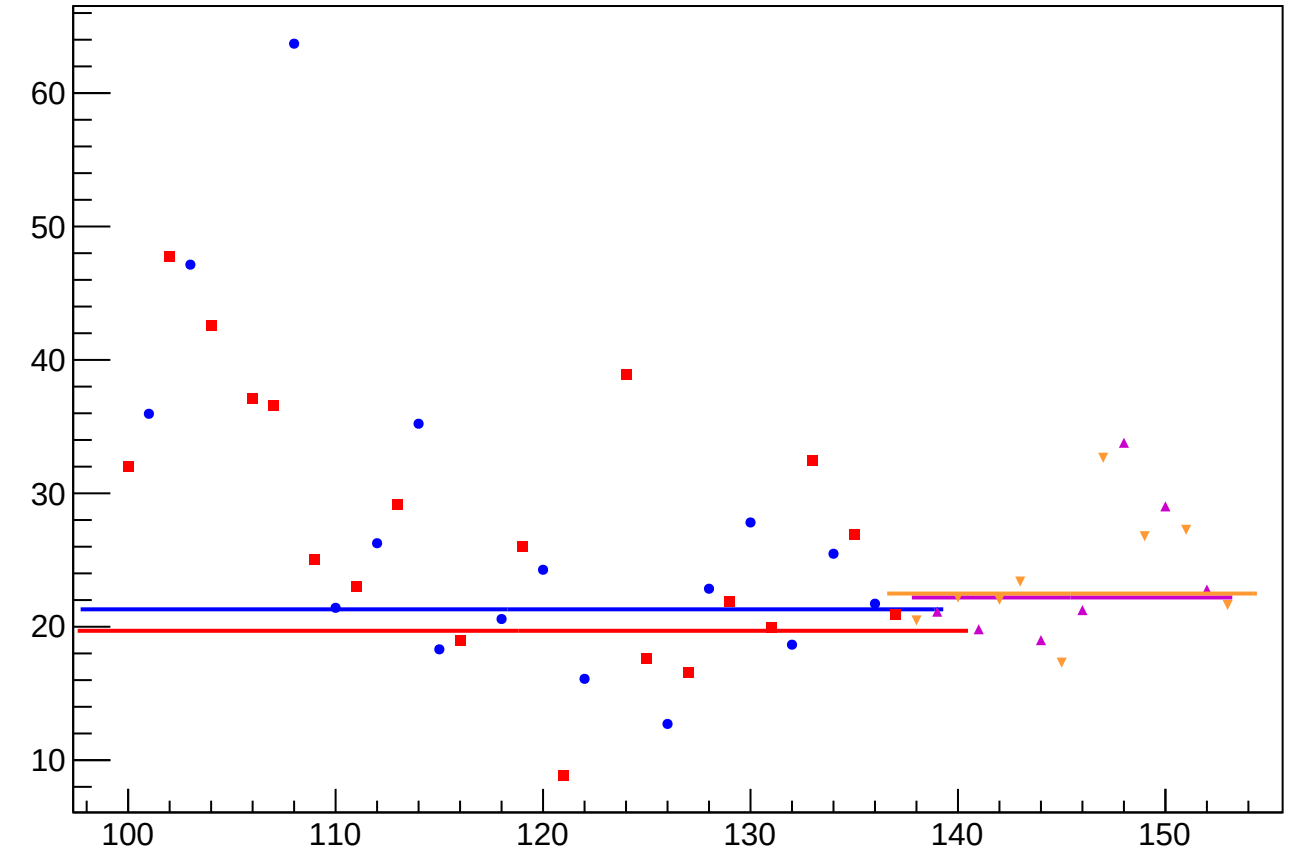
150
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.032+/-0.009 χ²/NDF:14.0/8
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.020+/-0.009 χ²/NDF:2.8/6
+ sign 0.012+/-0.006 χ²/NDF: 38.3/24
All: 0.015+/-0.004 χ²/NDF: 51.6/50
- sign 0.017+/-0.006 χ²/NDF: 13.0/25



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.489+/-0.006 χ^2/NDF:402660.8/8

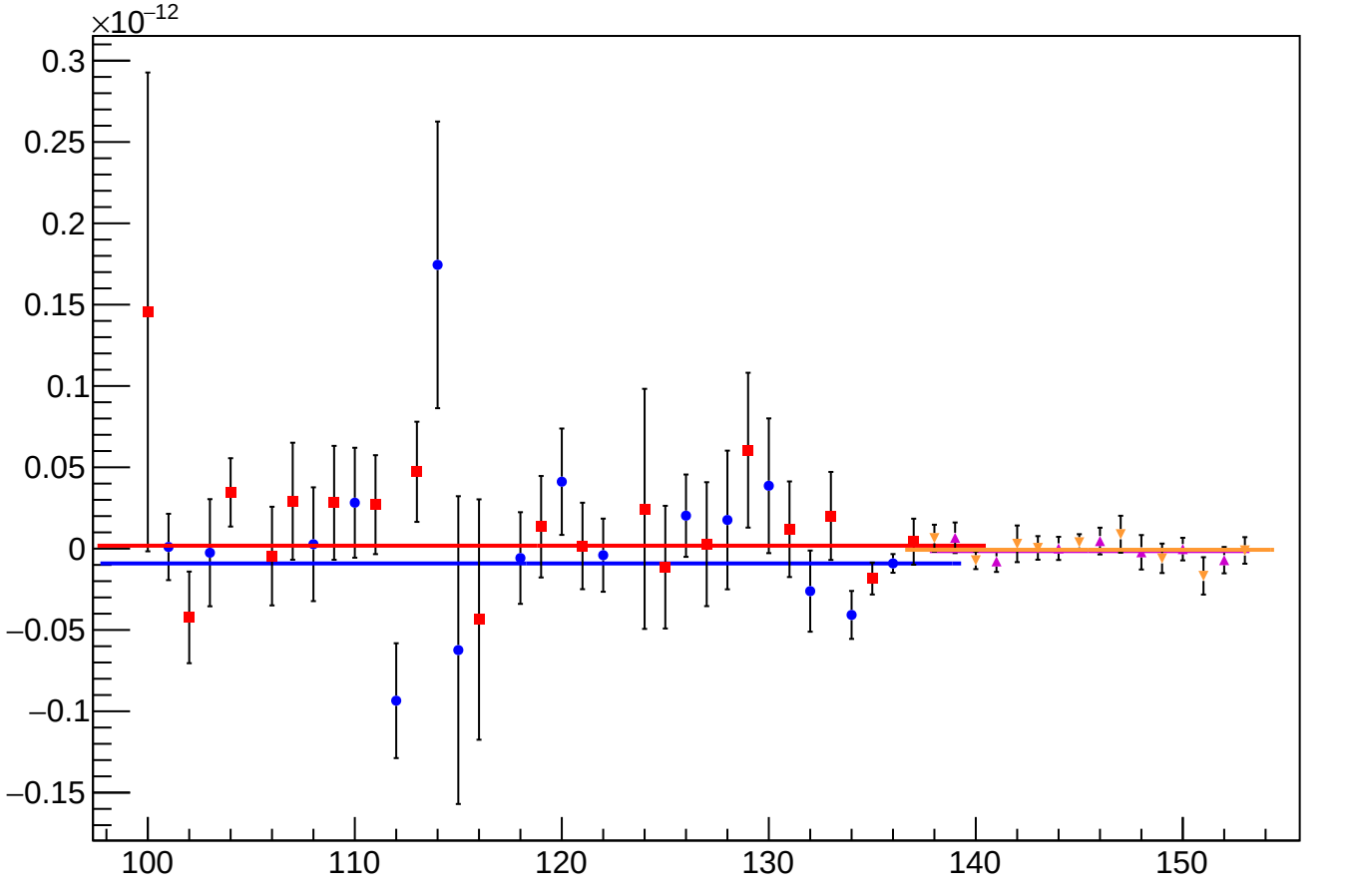
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.194+/-0.007 χ^2/NDF:372949.4/6

+ sign 21.887+/-0.004 χ^2/NDF: 1900395.5/24

All: 21.339+/-0.003 χ^2/NDF: 4824201.9/50

- sign 20.785+/-0.004 χ^2/NDF: 2891864.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/8

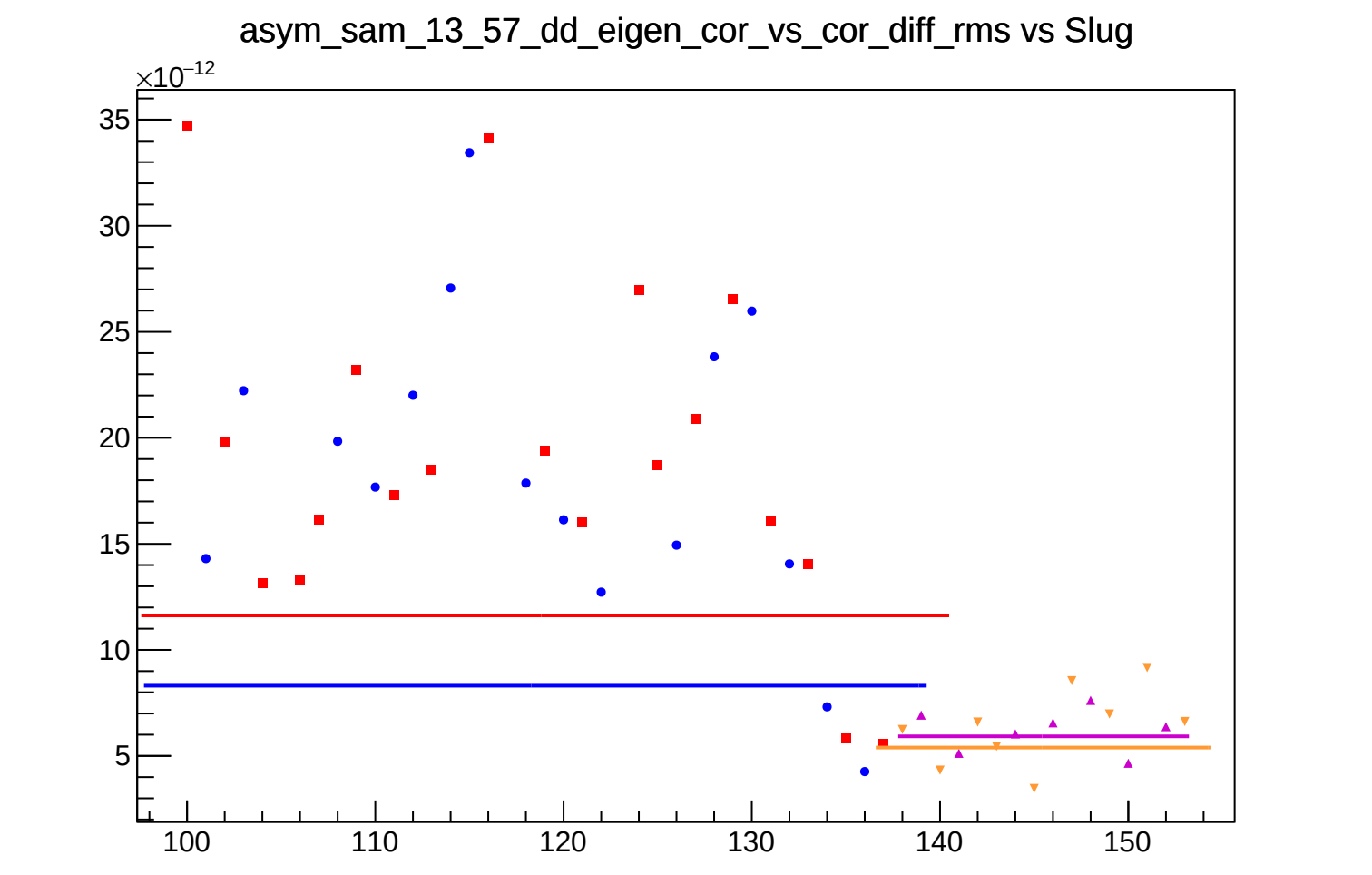
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 31.4/24

All: -0.000+/-0.000 χ^2/NDF: 51.8/50

- sign -0.000+/-0.000 χ^2/NDF: 20.1/25


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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15
10
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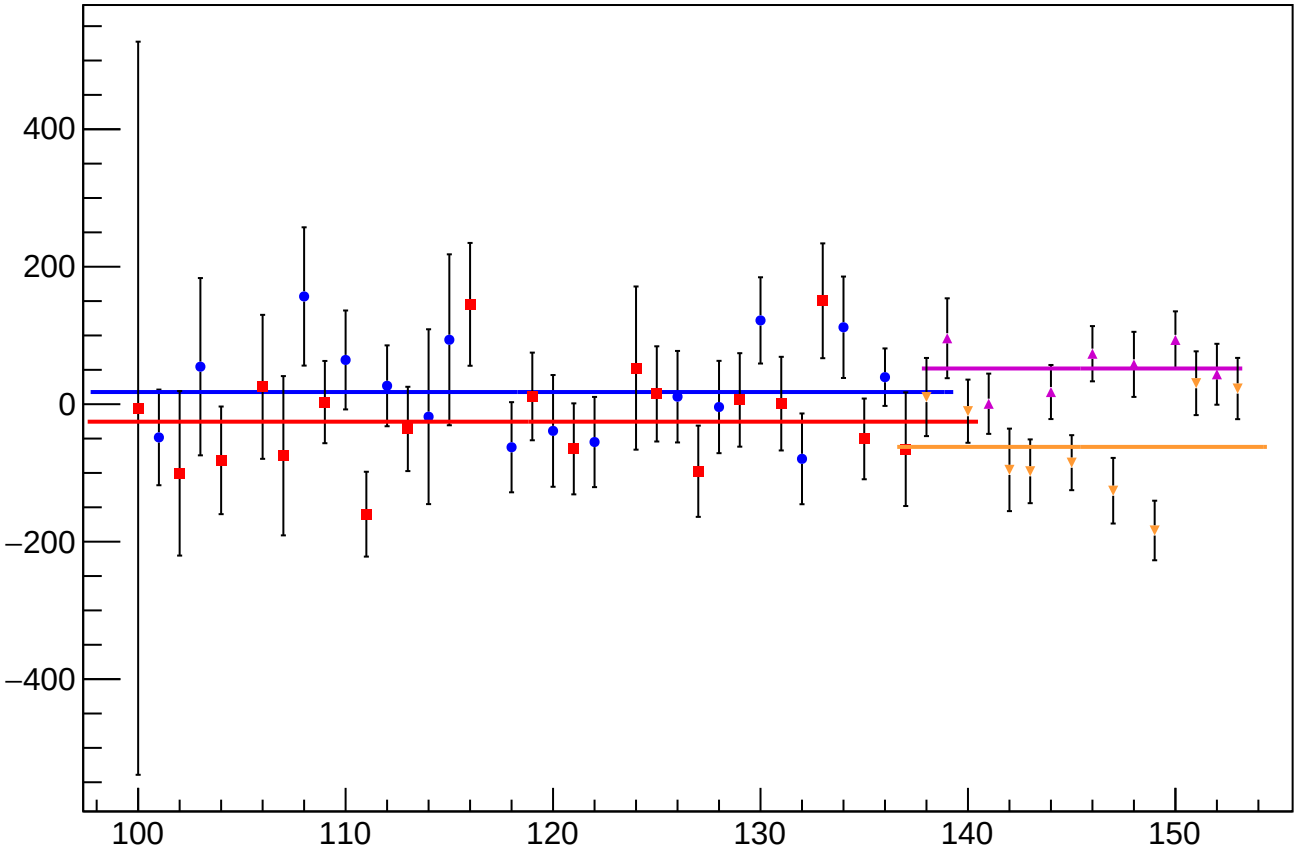
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:897269.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:189975.7/6
+ sign 0.000+/-0.000 χ²/NDF: 5271102.3/24
All: 0.000+/-0.000 χ²/NDF: 9844381.2/50
- sign 0.000+/-0.000 χ²/NDF: 4385442.3/25

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -62.119+/-15.638 χ^2/NDF:21.4/8

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

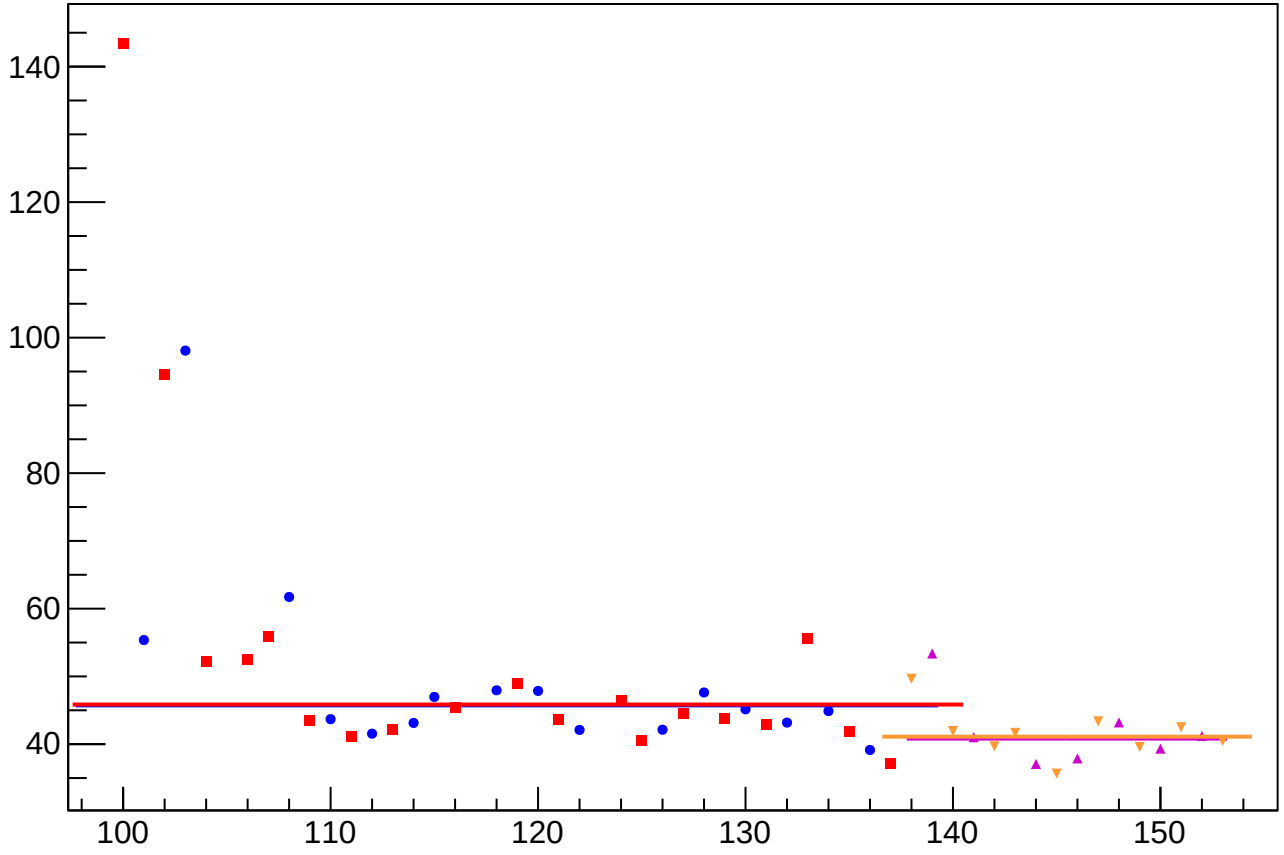
Left In: 51.940+/-16.629 χ^2/NDF:4.0/6

+ sign -26.614+/-11.652 χ^2/NDF: 46.9/24

All: -6.488+/-8.360 χ^2/NDF: 85.3/50

- sign 14.861+/-12.001 χ^2/NDF: 32.3/25

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.108+/-0.011 χ^2/NDF:93516.4/8

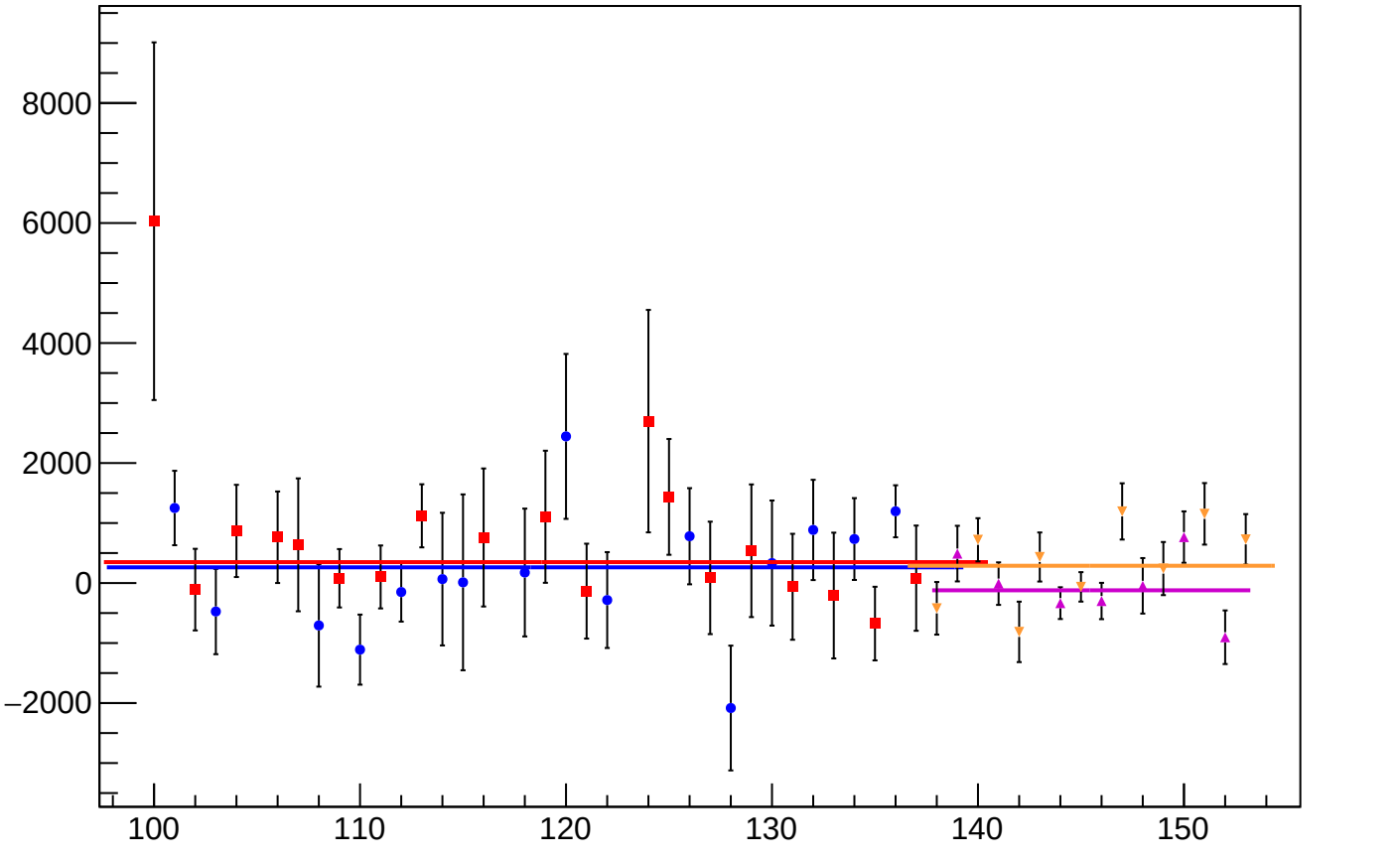
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.824+/-0.012 χ^2/NDF:129980.4/6

+ sign 43.162+/-0.008 χ^2/NDF: 672600.9/24

All: 43.196+/-0.006 χ^2/NDF: 1430289.3/50

- sign 43.232+/-0.008 χ^2/NDF: 757653.7/25



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 288.090+/-130.695 χ^2/NDF:18.7/8

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

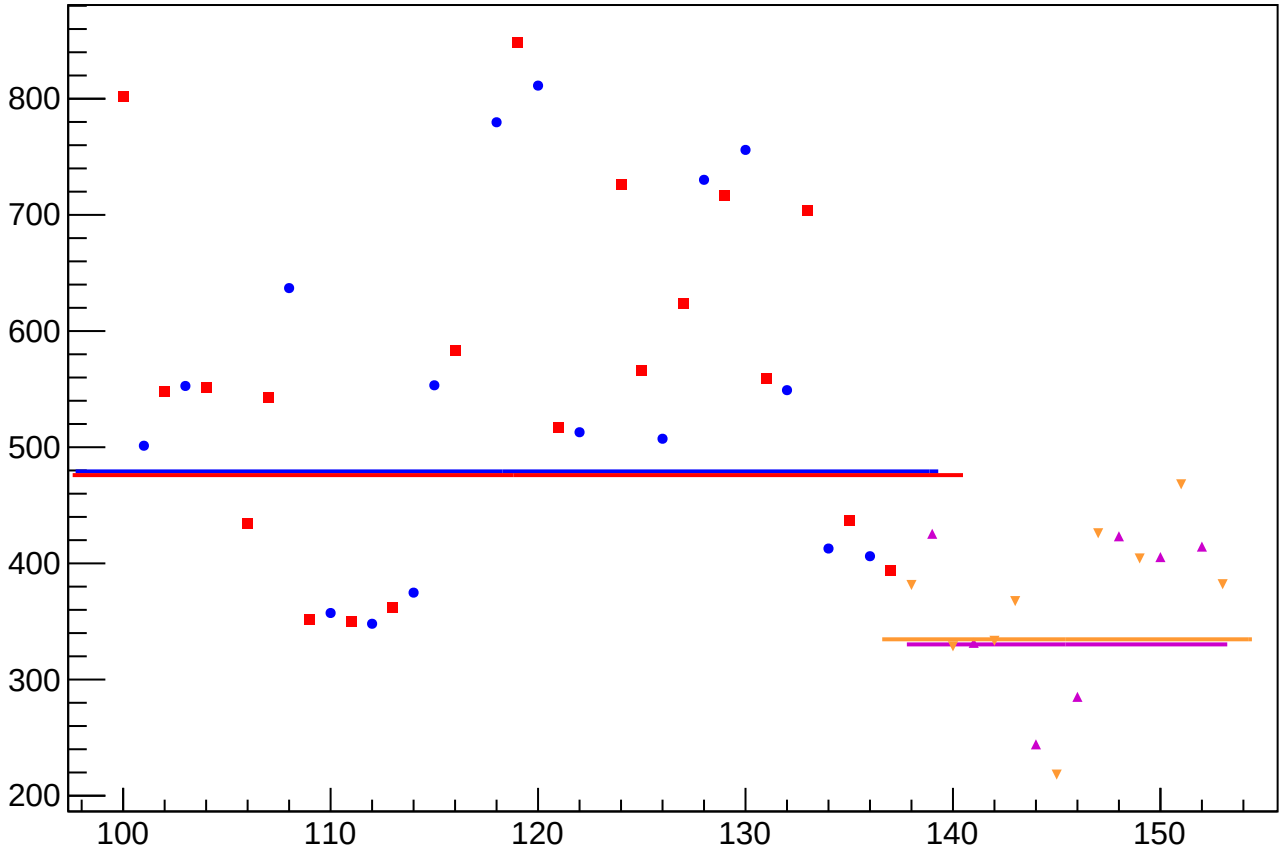
Left In: -121.054+/-137.430 χ^2/NDF:10.2/6

+ sign 279.399+/-106.785 χ^2/NDF: 43.7/24

All: 167.998+/-76.411 χ^2/NDF: 75.3/50

- sign 51.108+/-109.384 χ^2/NDF: 29.4/25

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 334.644+/-0.092 χ^2/NDF:772580.1/8

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

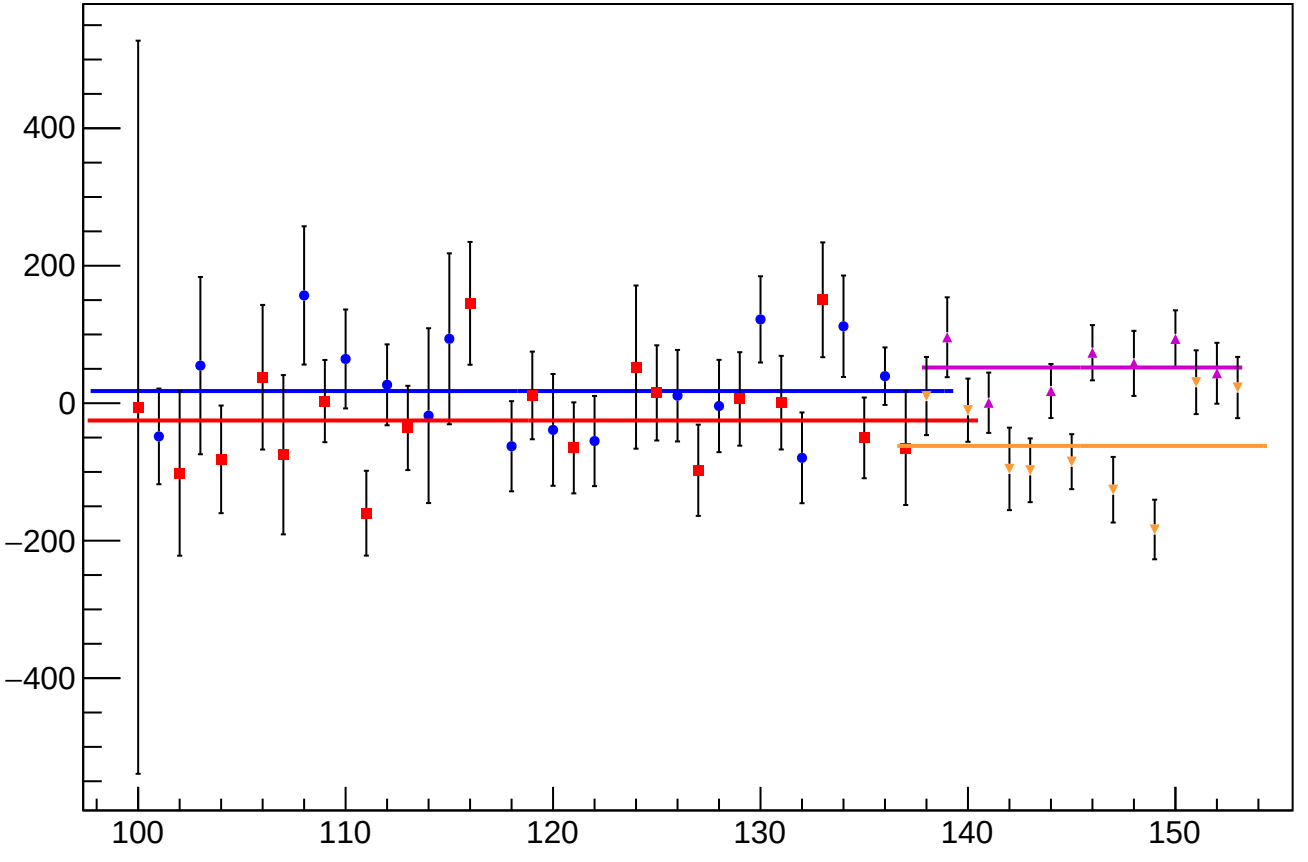
Left In: 330.260+/-0.097 χ^2/NDF:553812.9/6

+ sign 382.690+/-0.076 χ^2/NDF: 2538360.5/24

All: 383.169+/-0.054 χ^2/NDF: 4922979.8/50

- sign 383.671+/-0.077 χ^2/NDF: 2384536.8/25

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -62.120+/-15.638 χ^2/NDF:21.4/8

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

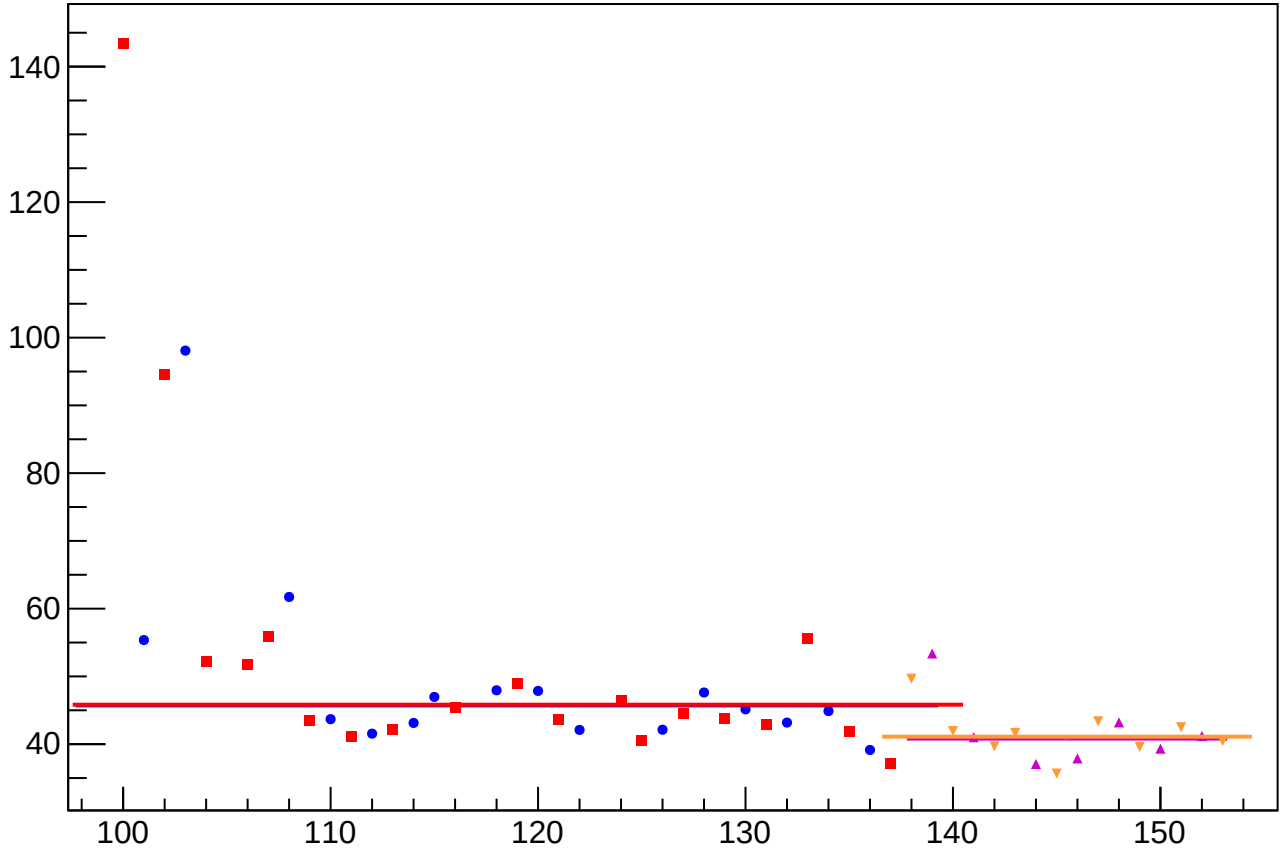
Left In: 51.942+/-16.629 χ^2/NDF:4.0/6

+ sign -26.612+/-11.652 χ^2/NDF: 46.9/24

All: -6.417+/-8.360 χ^2/NDF: 85.5/50

- sign 15.009+/-12.002 χ^2/NDF: 32.3/25

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.108+/-0.011 χ^2/NDF:93516.4/8

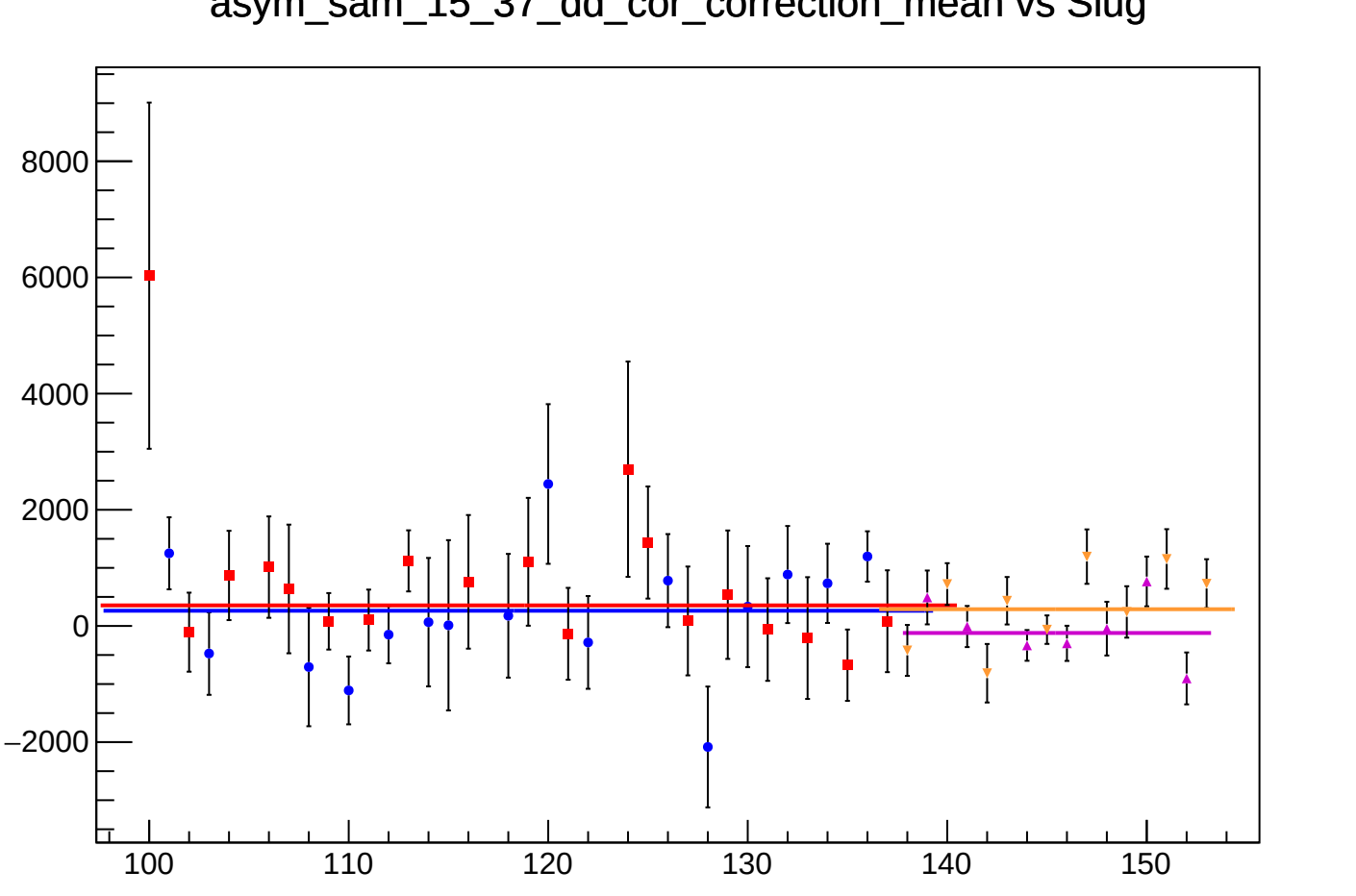
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.824+/-0.012 χ^2/NDF:129980.4/6

+ sign 43.162+/-0.008 χ^2/NDF: 672603.9/24

All: 43.190+/-0.006 χ^2/NDF: 1427754.4/50

- sign 43.220+/-0.008 χ^2/NDF: 755126.5/25



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 288.089+/-130.695 χ^2/NDF:18.7/8

Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

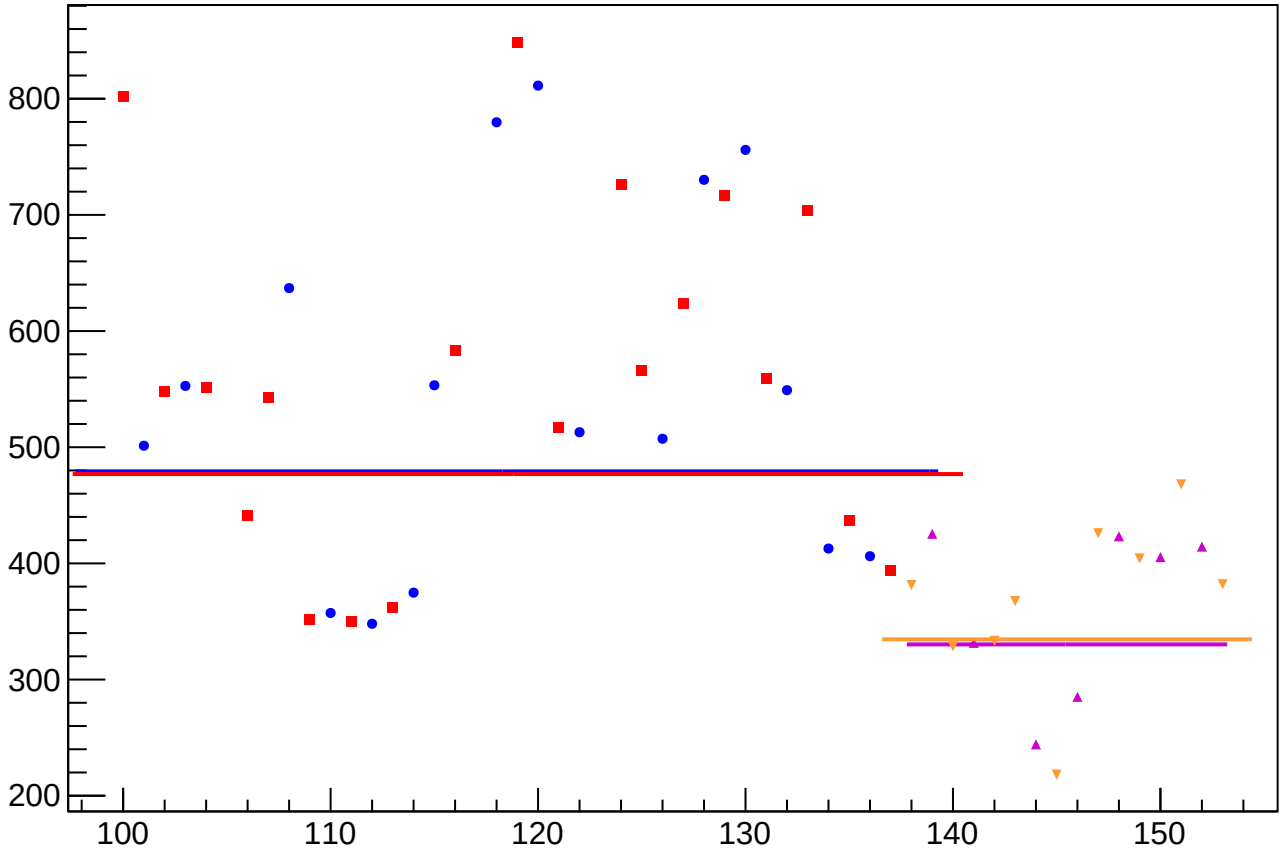
Left In: -121.053+/-137.431 χ^2/NDF:10.2/6

+ sign 279.399+/-106.785 χ^2/NDF: 43.7/24

All: 168.541+/-76.502 χ^2/NDF: 75.7/50

- sign 51.648+/-109.653 χ^2/NDF: 29.8/25

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 334.644+/-0.092 χ^2/NDF:772580.6/8

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

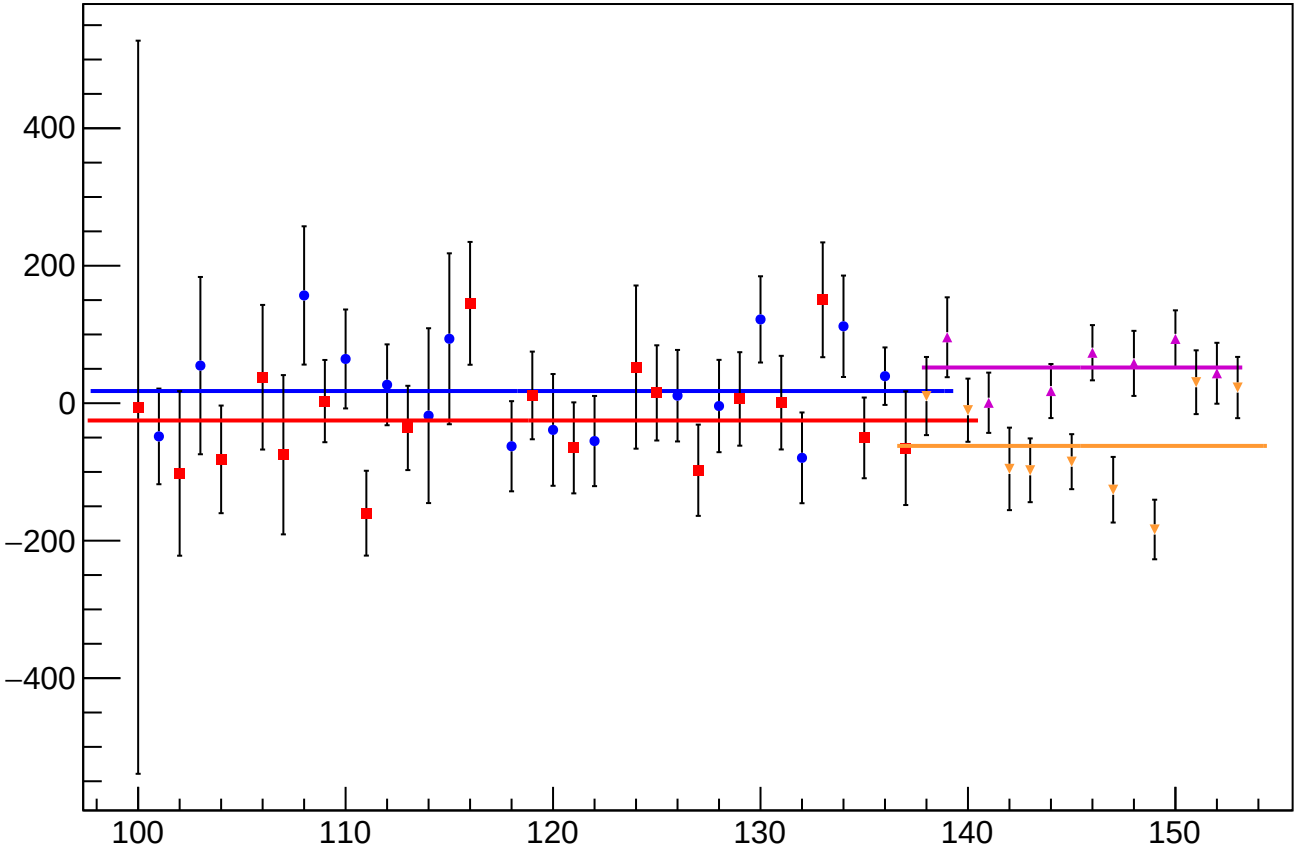
Left In: 330.260+/-0.097 χ^2/NDF:553814.8/6

+ sign 382.690+/-0.076 χ^2/NDF: 2538409.6/24

All: 383.106+/-0.054 χ^2/NDF: 4923404.9/50

- sign 383.544+/-0.078 χ^2/NDF: 2384933.0/25

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -62.120+/-15.638 χ^2/NDF:21.4/8

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

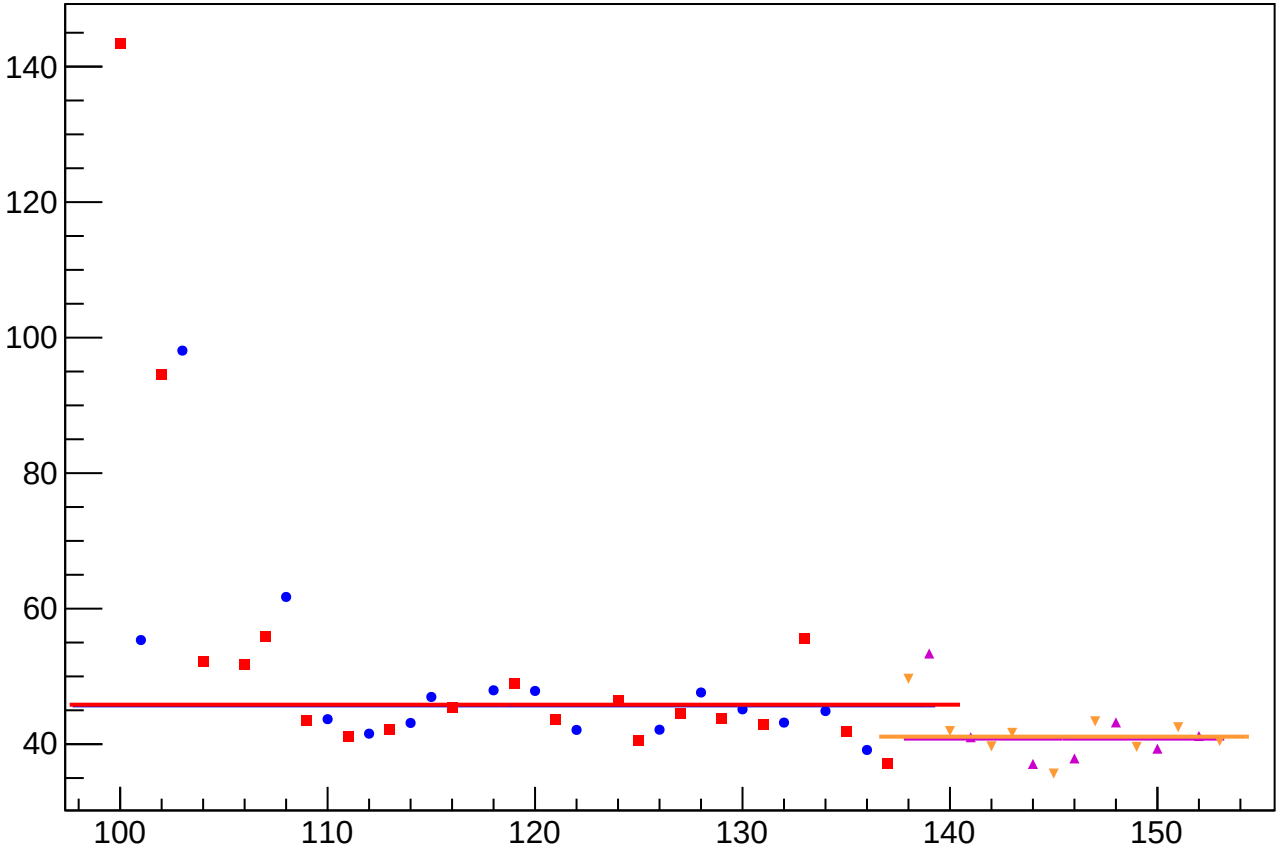
Left In: 51.942+/-16.629 χ^2/NDF:4.0/6

+ sign -26.612+/-11.652 χ^2/NDF: 46.9/24

All: -6.417+/-8.360 χ^2/NDF: 85.5/50

- sign 15.009+/-12.002 χ^2/NDF: 32.3/25

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.108+/-0.011 χ^2/NDF:93516.4/8

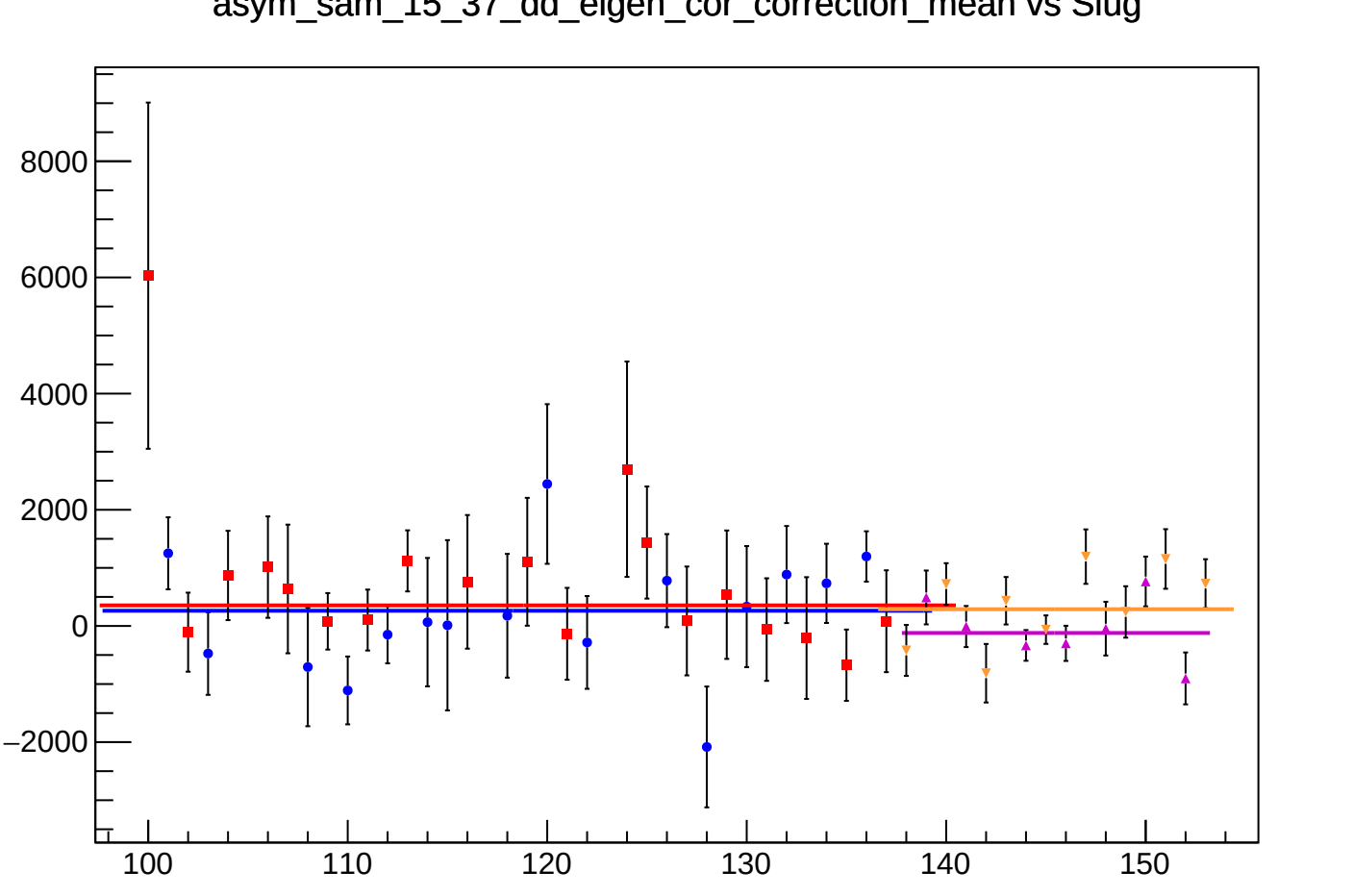
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.824+/-0.012 χ^2/NDF:129980.4/6

+ sign 43.162+/-0.008 χ^2/NDF: 672603.9/24

All: 43.190+/-0.006 χ^2/NDF: 1427754.4/50

- sign 43.220+/-0.008 χ^2/NDF: 755126.5/25



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 288.089+/-130.695 χ^2/NDF:18.7/8

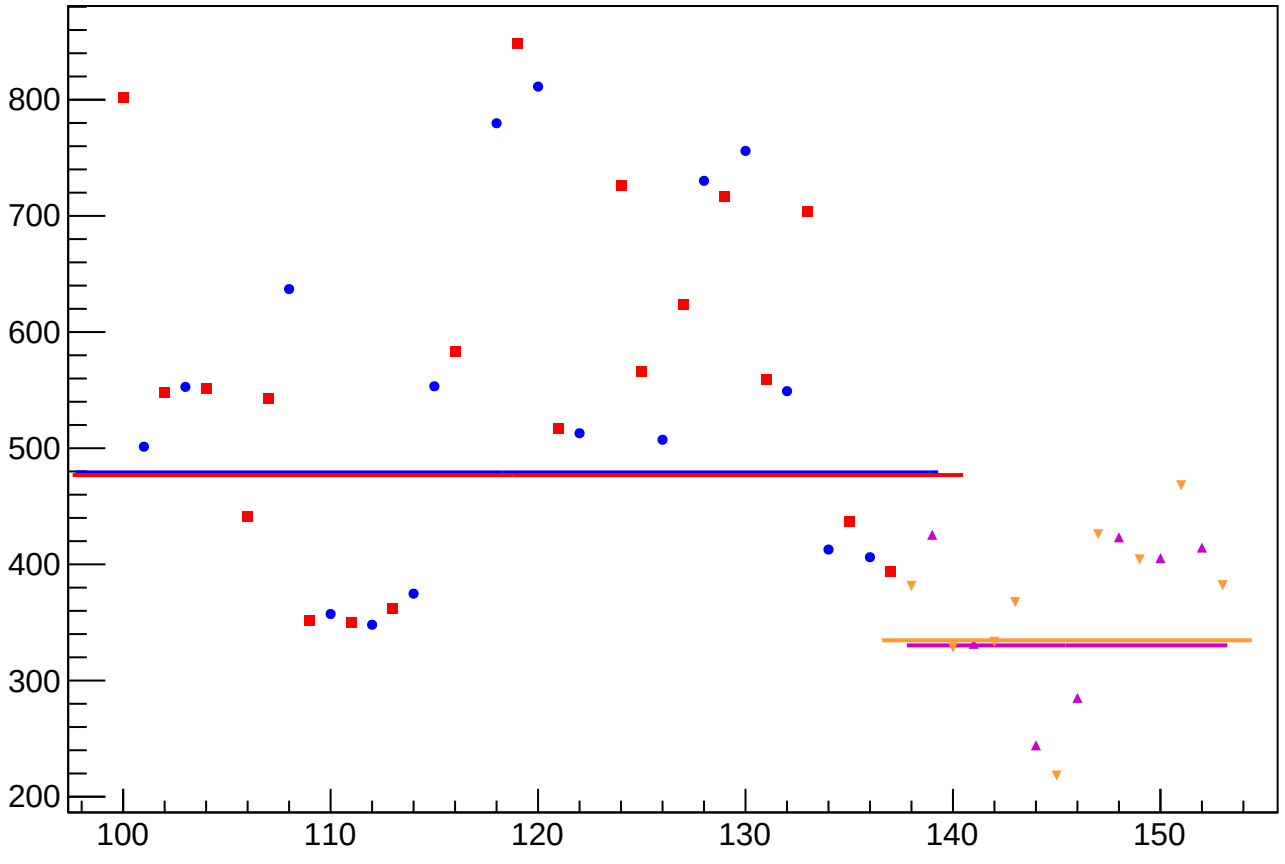
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -121.053+/-137.431 χ^2/NDF:10.2/6

+ sign 279.399+/-106.785 χ^2/NDF: 43.7/24

All: 168.541+/-76.502 χ^2/NDF: 75.7/50

- sign 51.648+/-109.653 χ^2/NDF: 29.8/25



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 334.644+/-0.092 χ^2/NDF:772580.6/8

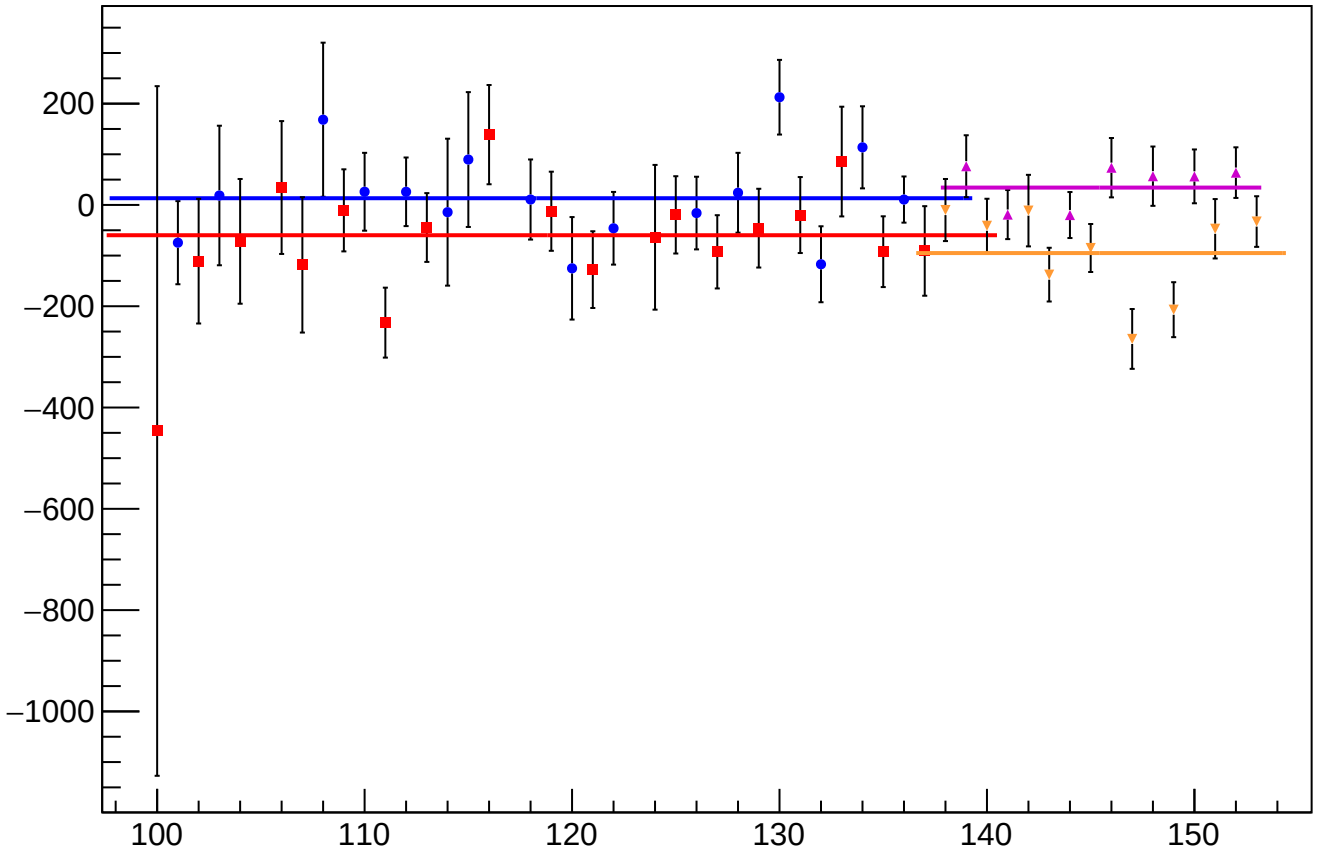
Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 330.260+/-0.097 χ^2/NDF:553814.8/6

\+ sign 382.690+/-0.076 χ^2/NDF: 2538409.6/24

All: 383.106+/-0.054 χ^2/NDF: 4923404.9/50

\- sign 383.544+/-0.078 χ^2/NDF: 2384933.0/25



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -95.026+/-18.455 χ^2/NDF:19.7/8

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

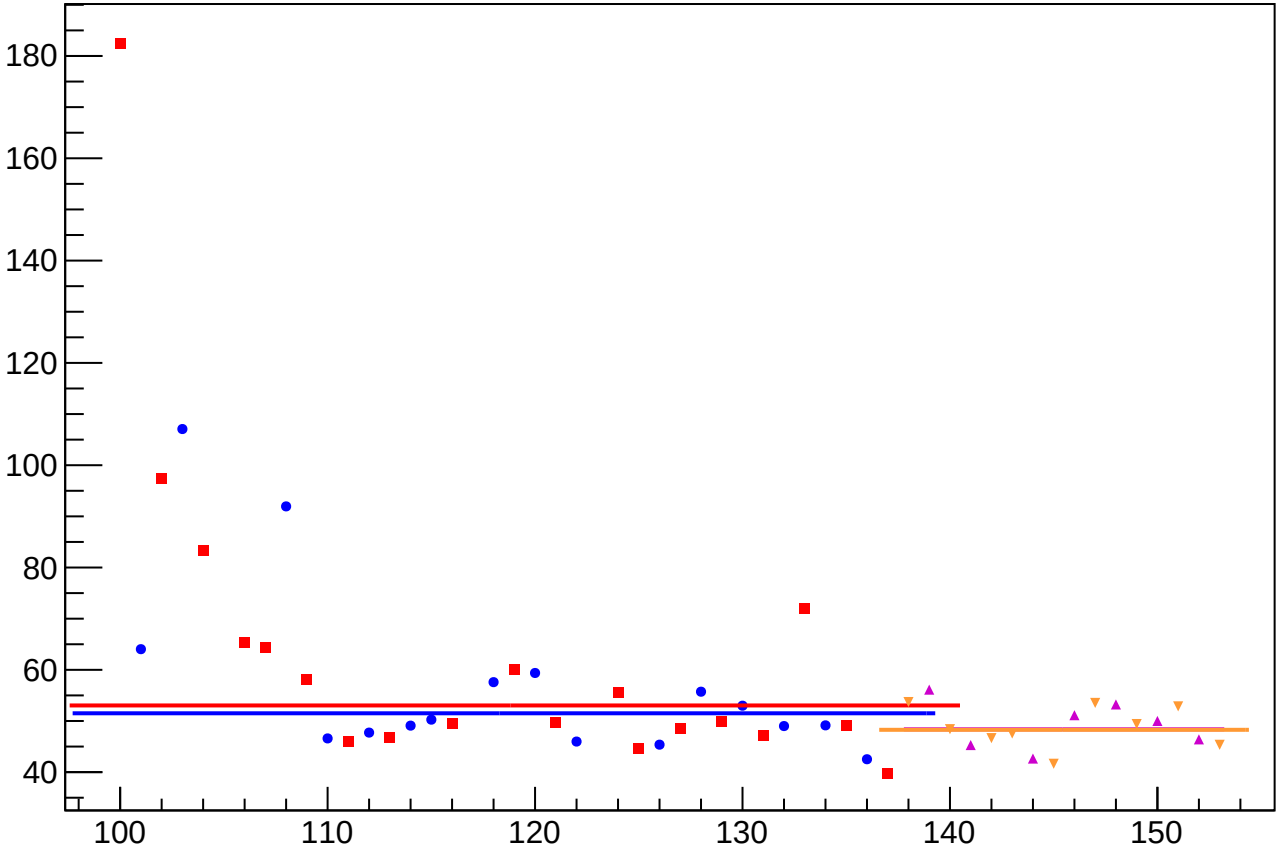
Left In: 34.256+/-19.936 χ^2/NDF:4.2/6

+ sign -44.817+/-13.516 χ^2/NDF: 52.9/24

All: -29.258+/-9.790 χ^2/NDF: 87.0/50

- sign -12.080+/-14.201 χ^2/NDF: 31.3/25

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 48.275+/-0.013 χ^2/NDF:92146.7/8

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

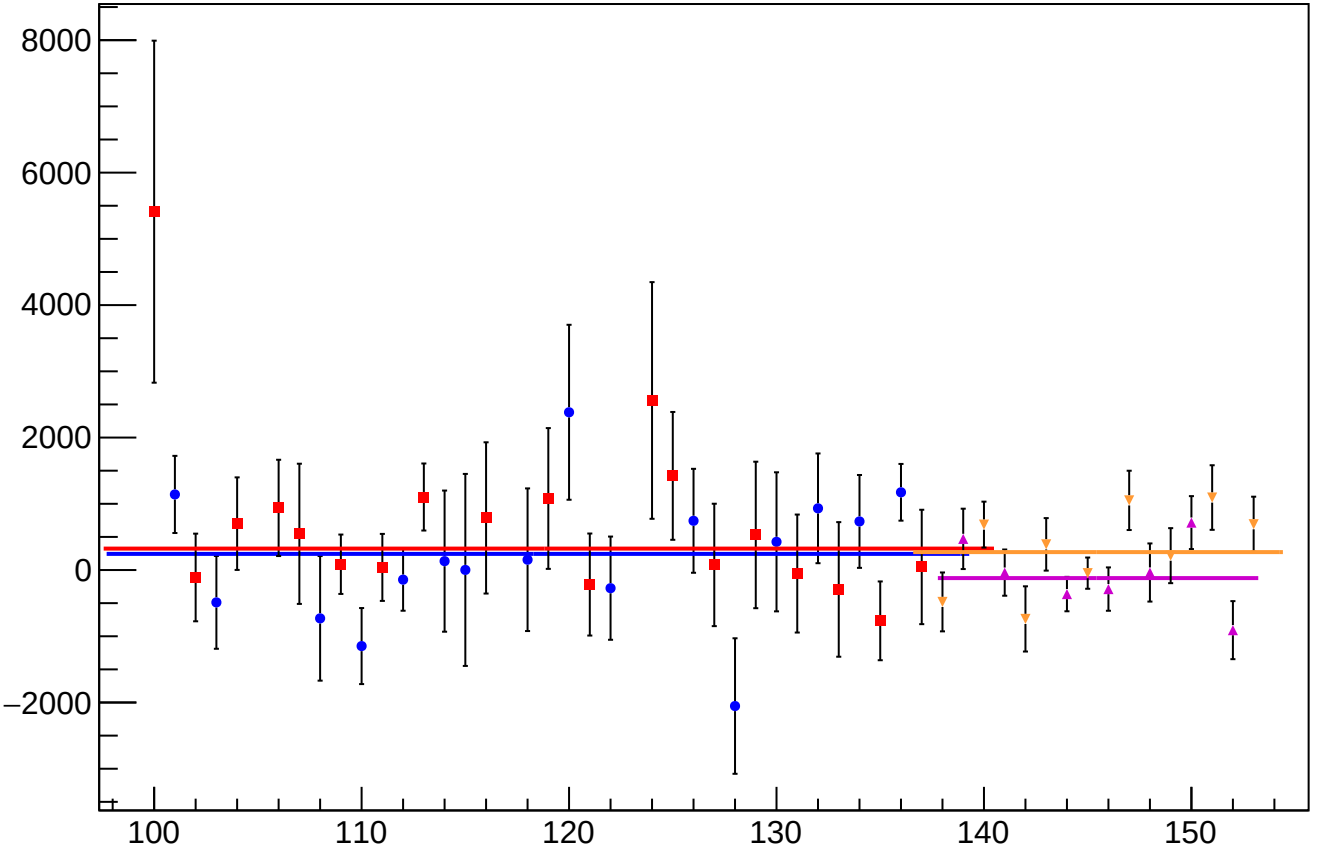
Left In: 48.375+/-0.014 χ^2/NDF:95173.0/6

+ sign 49.773+/-0.010 χ^2/NDF: 787624.8/24

All: 50.200+/-0.007 χ^2/NDF: 1653789.6/50

- sign 50.672+/-0.010 χ^2/NDF: 861958.6/25

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 270.777+/-126.364 χ^2/NDF:17.3/8

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

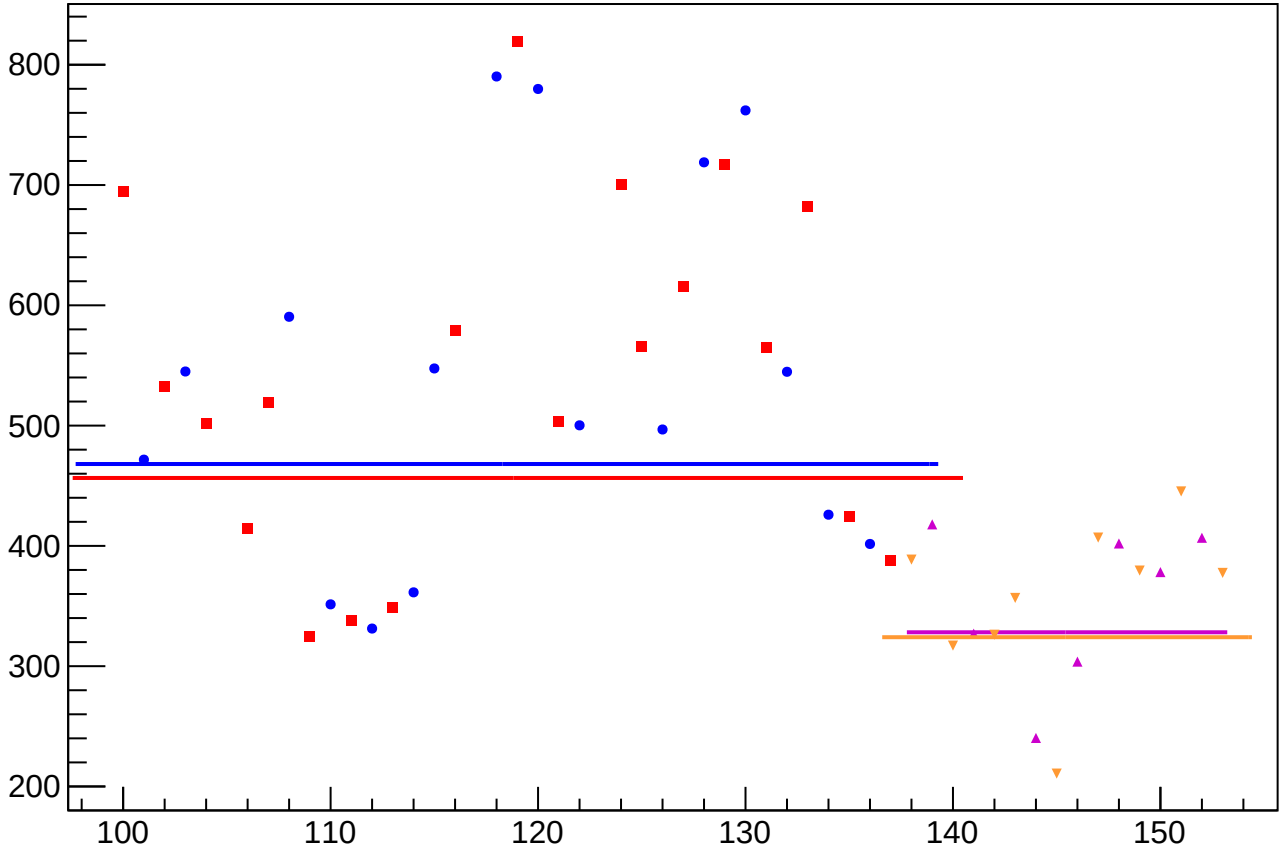
Left In: -121.677+/-136.284 χ^2/NDF:10.5/6

+ sign 261.937+/-103.588 χ^2/NDF: 42.9/24

All: 158.677+/-74.494 χ^2/NDF: 76.1/50

- sign 48.080+/-107.205 χ^2/NDF: 31.1/25

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 324.084+/-0.089 χ^2/NDF:779472.5/8

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

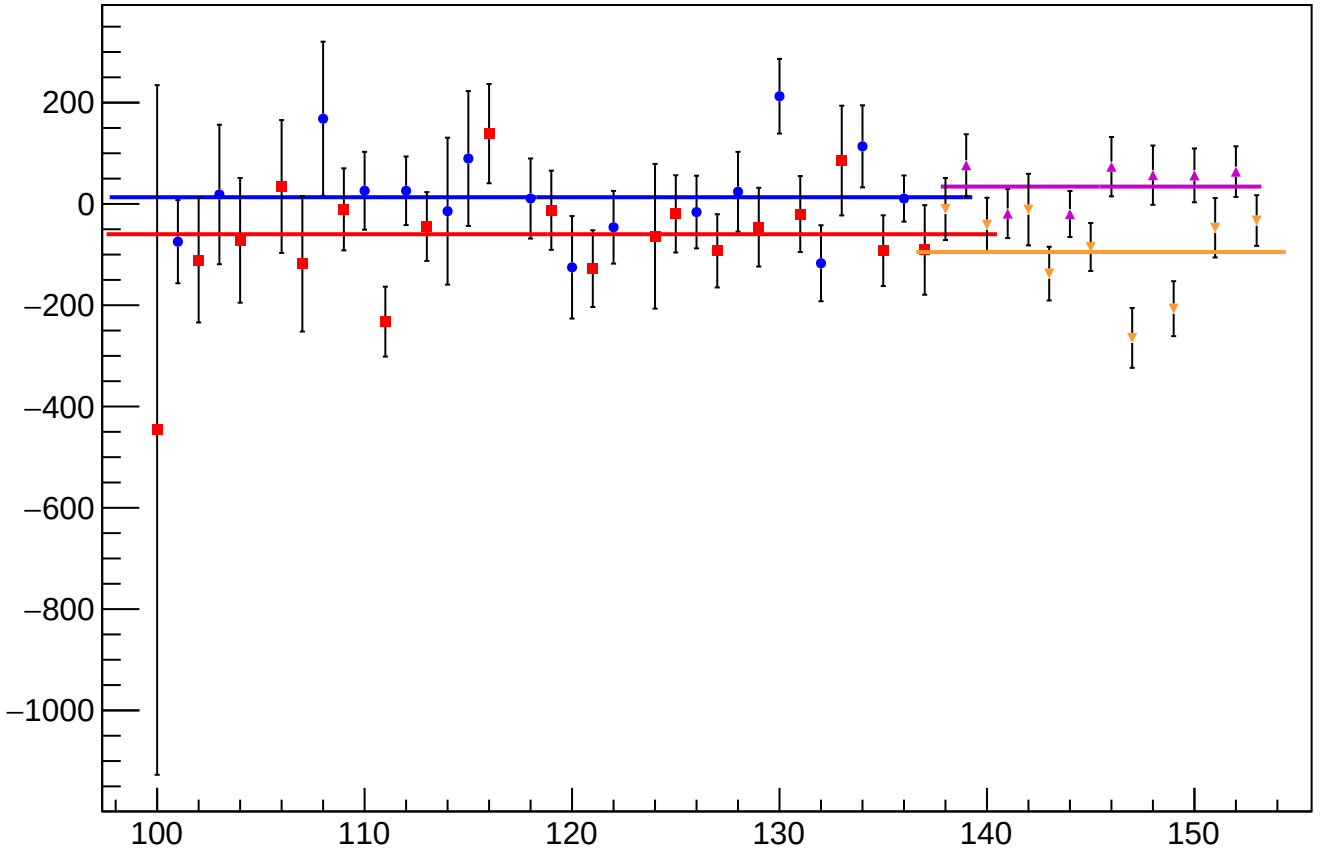
Left In: 328.186+/-0.096 χ^2/NDF:469433.9/6

+ sign 371.310+/-0.073 χ^2/NDF: 2614061.5/24

All: 374.100+/-0.053 χ^2/NDF: 4844597.5/50

- sign 377.089+/-0.076 χ^2/NDF: 2227530.1/25

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -95.026+/-18.455 χ^2/NDF:19.7/8

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

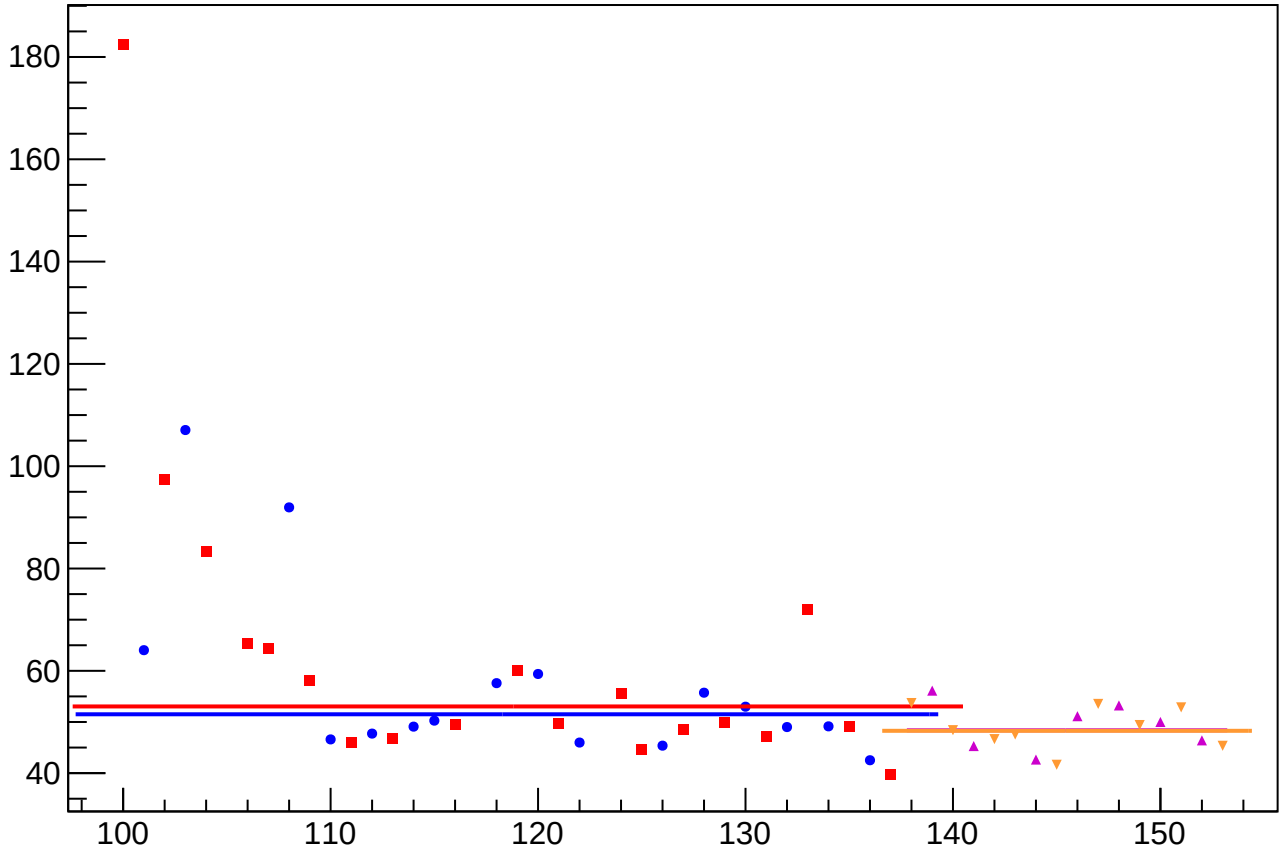
Left In: 34.256+/-19.936 χ^2/NDF:4.2/6

+ sign -44.817+/-13.516 χ^2/NDF: 52.9/24

All: -29.258+/-9.790 χ^2/NDF: 87.0/50

- sign -12.081+/-14.201 χ^2/NDF: 31.3/25

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 48.275+/-0.013 χ^2/NDF:92145.0/8

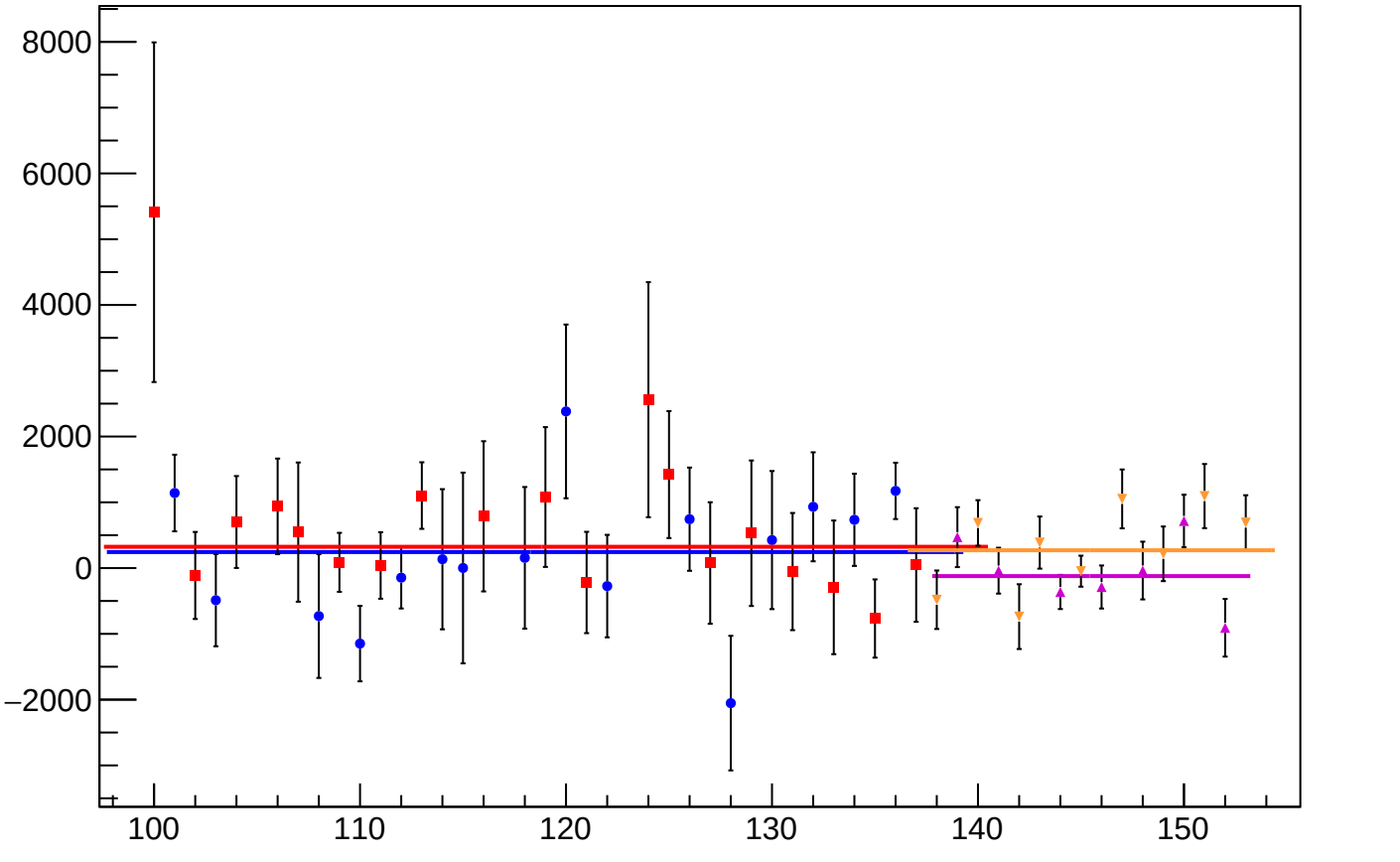
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 48.375+/-0.014 χ^2/NDF:95171.3/6

+ sign 49.773+/-0.010 χ^2/NDF: 787627.3/24

All: 50.200+/-0.007 χ^2/NDF: 1653799.6/50

- sign 50.672+/-0.010 χ^2/NDF: 861966.2/25



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 270.777+/-126.364 χ^2/NDF:17.3/8

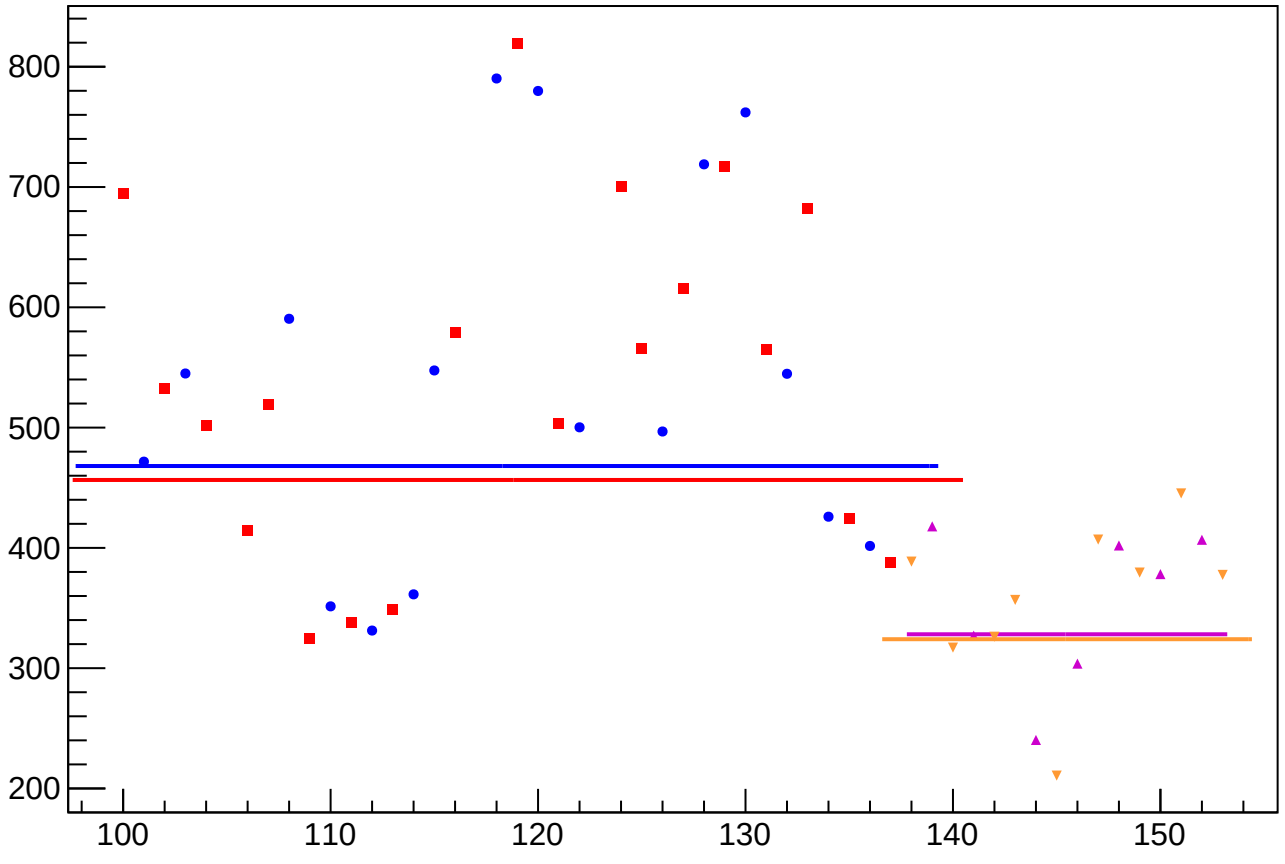
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -121.678+/-136.284 χ^2/NDF:10.5/6

+ sign 261.937+/-103.588 χ^2/NDF: 42.9/24

All: 158.677+/-74.494 χ^2/NDF: 76.1/50

- sign 48.080+/-107.205 χ^2/NDF: 31.1/25



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 324.083+/-0.089 χ^2/NDF:779476.5/8

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

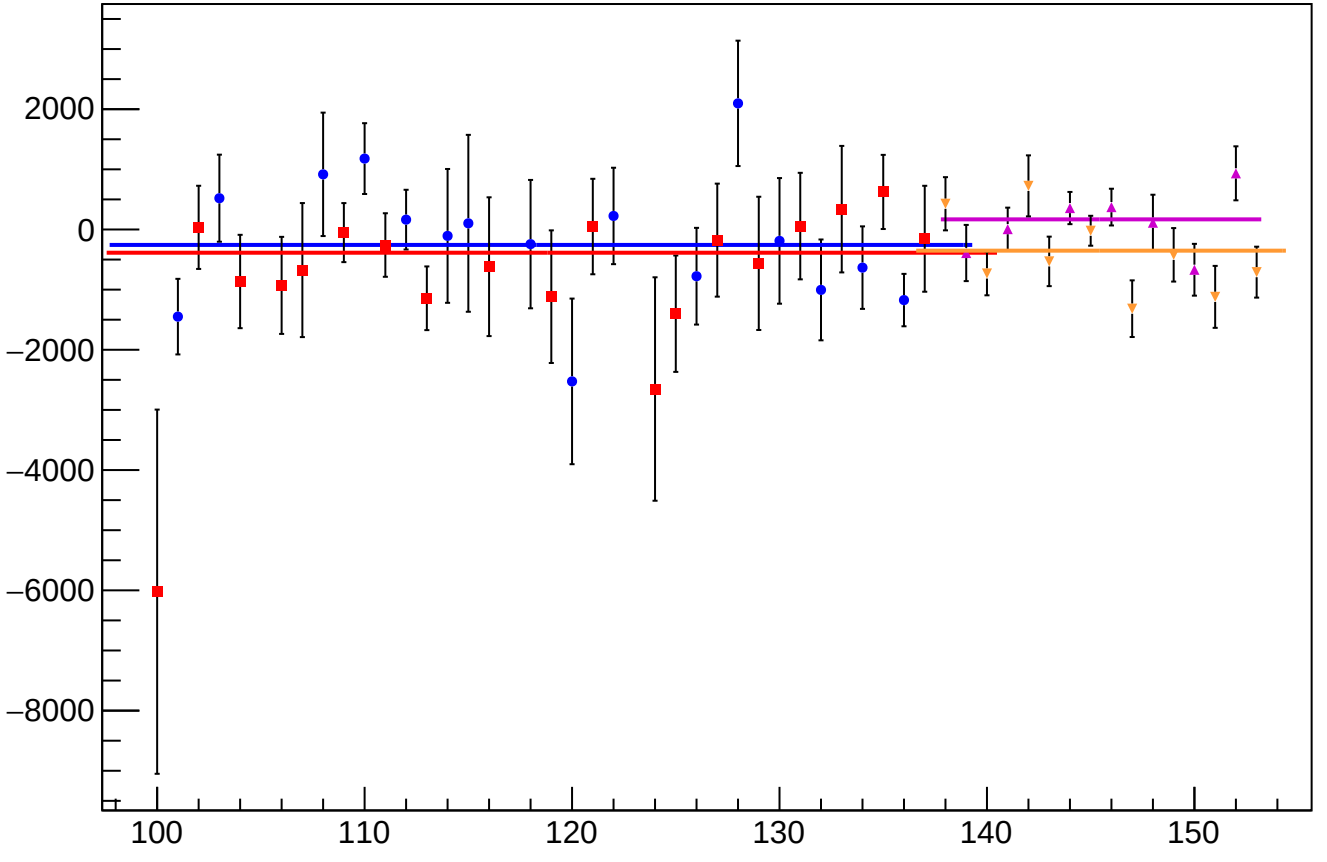
Left In: 328.186+/-0.096 χ^2/NDF:469435.6/6

+ sign 371.310+/-0.073 χ^2/NDF: 2614058.9/24

All: 374.100+/-0.053 χ^2/NDF: 4844584.4/50

- sign 377.089+/-0.076 χ^2/NDF: 2227519.5/25

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -352.135+/-131.795 χ^2/NDF:17.8/8

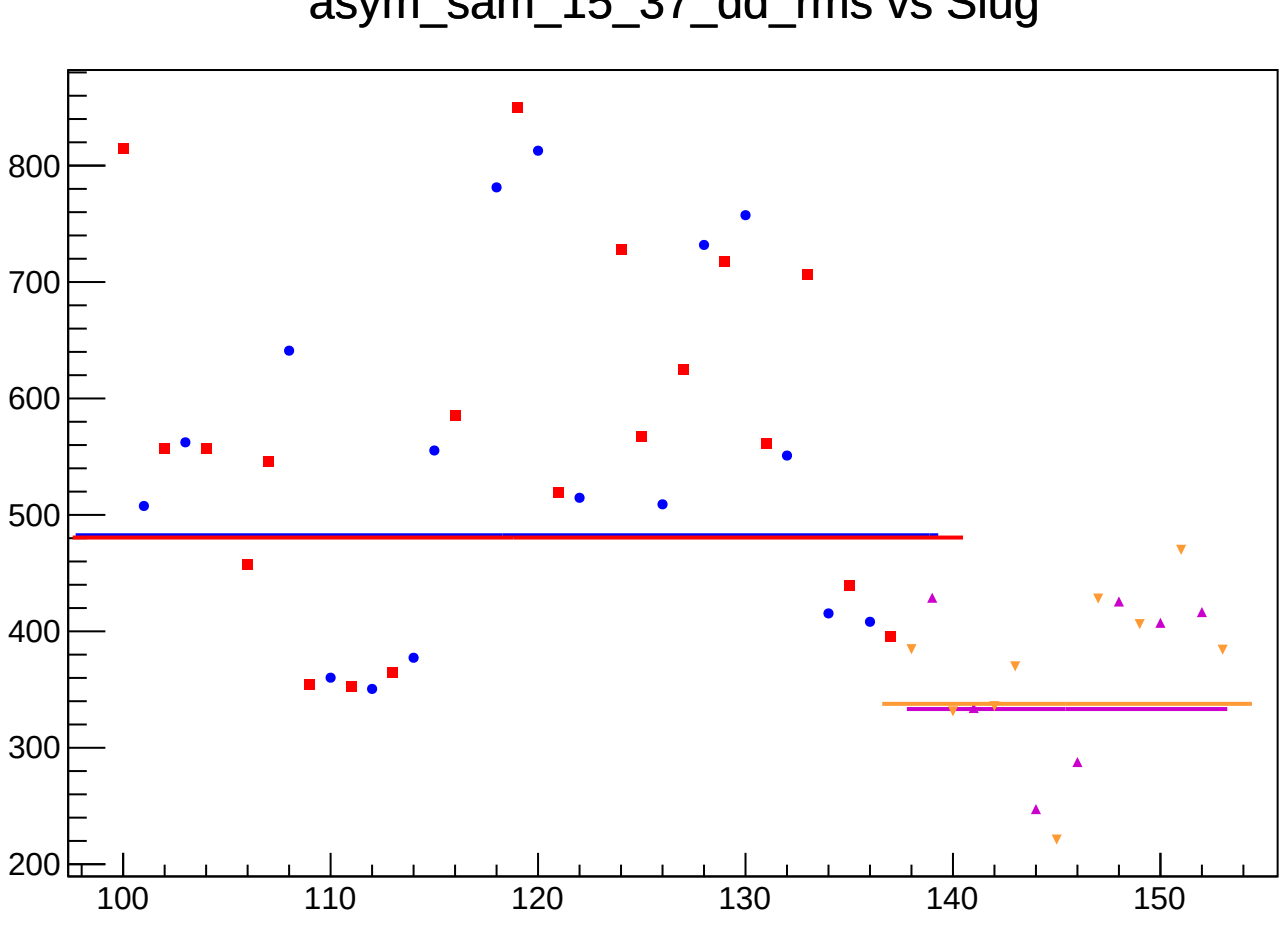
Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: 168.189+/-138.589 χ^2/NDF:9.3/6

+ sign -320.356+/-107.625 χ^2/NDF: 44.9/24

All: -181.169+/-77.045 χ^2/NDF: 77.7/50

- sign -34.866+/-110.341 χ^2/NDF: 29.4/25



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 337.741+/-0.093 χ^2/NDF:751878.9/8

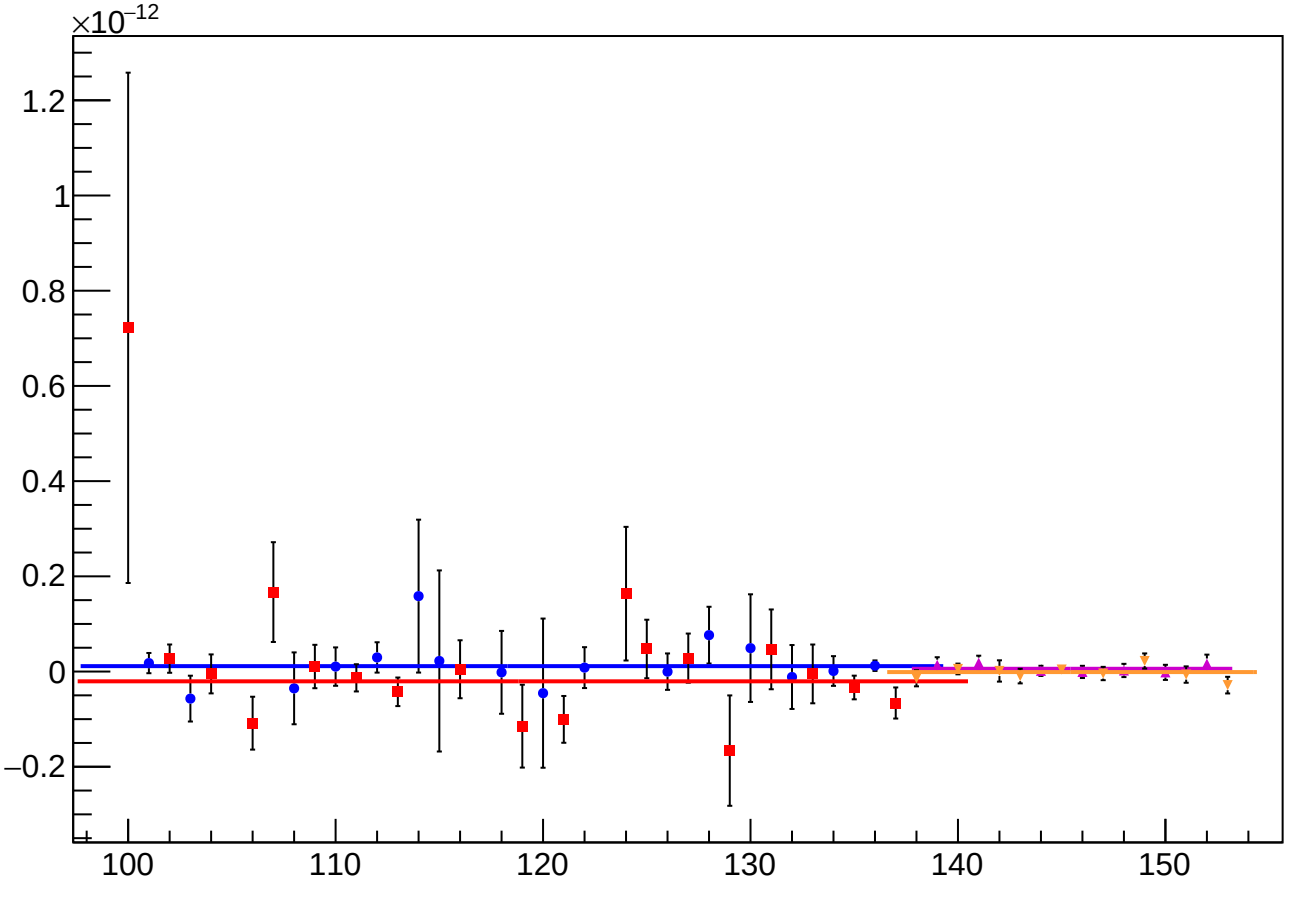
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 333.272+/-0.098 χ^2/NDF:540911.7/6

+ sign 385.972+/-0.076 χ^2/NDF: 2502380.1/24

All: 386.568+/-0.054 χ^2/NDF: 4864213.8/50

- sign 387.194+/-0.078 χ^2/NDF: 2361707.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/8

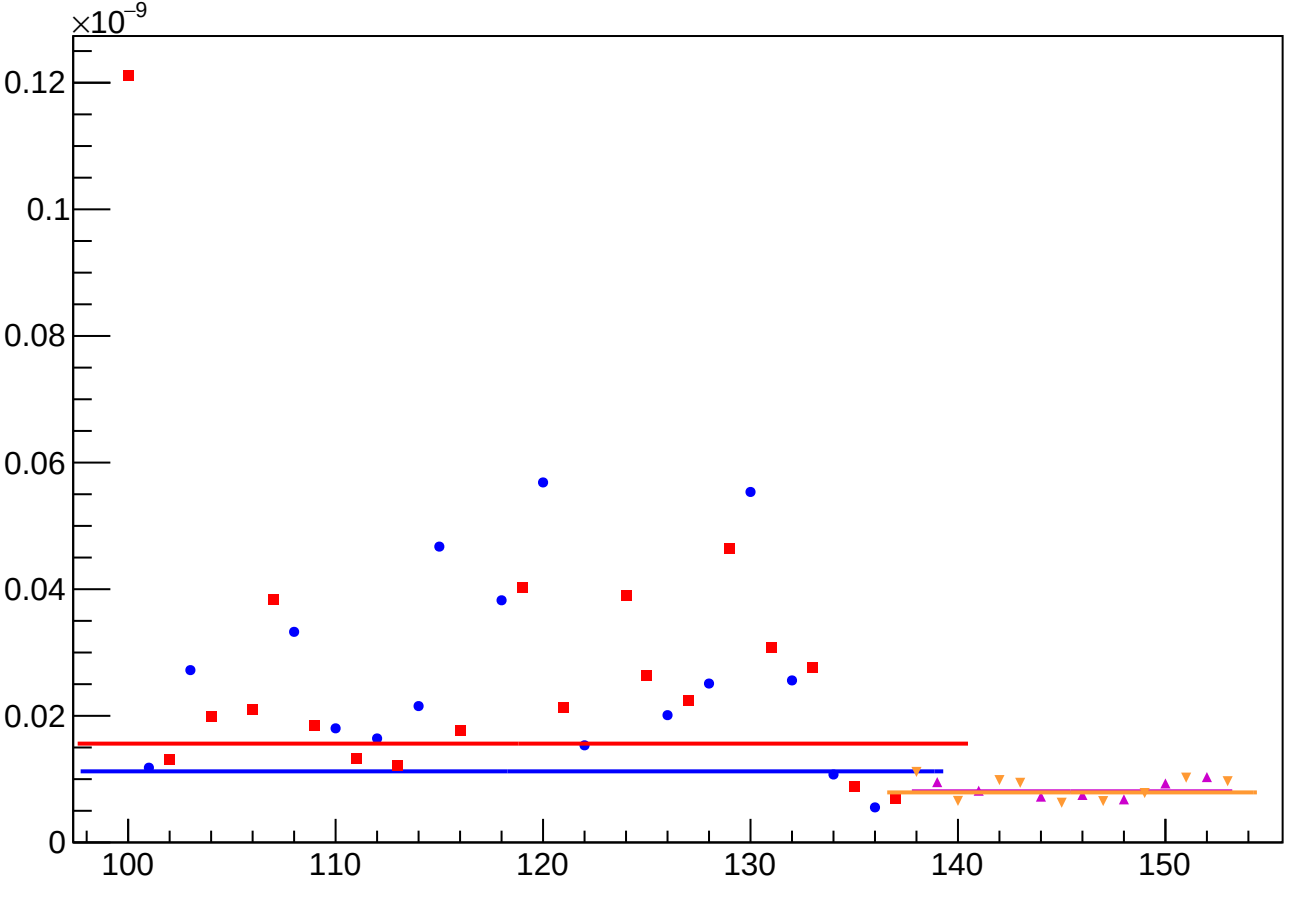
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 13.5/24

All: 0.000+/-0.000 χ^2/NDF: 44.7/50

- sign 0.000+/-0.000 χ^2/NDF: 31.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:268492.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

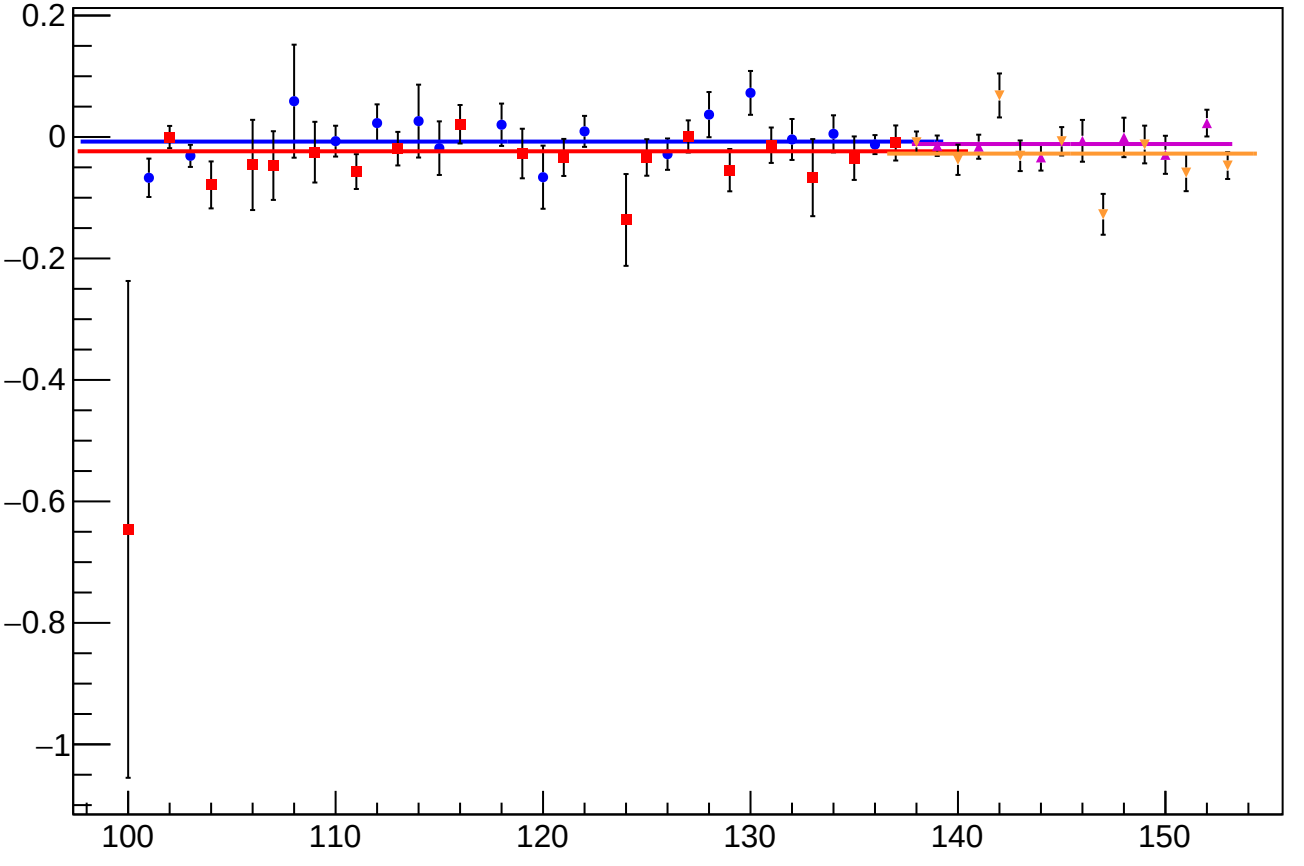
Left In: 0.000+/-0.000 χ^2/NDF:90822.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 2626897.4/24

All: 0.000+/-0.000 χ^2/NDF: 4793017.5/50

- sign 0.000+/-0.000 χ^2/NDF: 2125625.8/25

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.027+/-0.008 χ^2/NDF:19.9/8

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

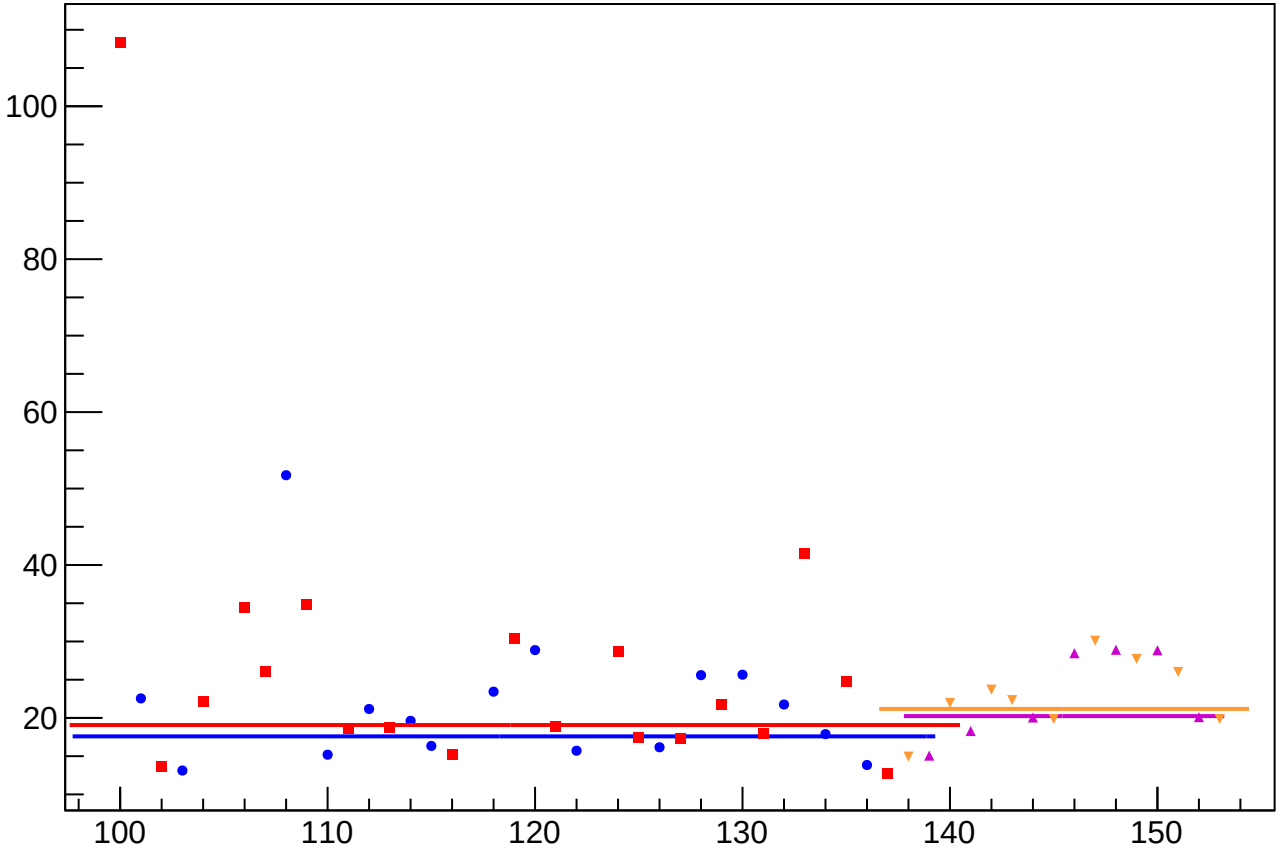
Left In: -0.012+/-0.009 χ^2/NDF:4.0/6

+ sign -0.016+/-0.005 χ^2/NDF: 39.8/24

All: -0.017+/-0.004 χ^2/NDF: 59.6/50

- sign -0.018+/-0.006 χ^2/NDF: 19.7/25

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 21.182+/-0.006 χ^2/NDF:554340.3/8

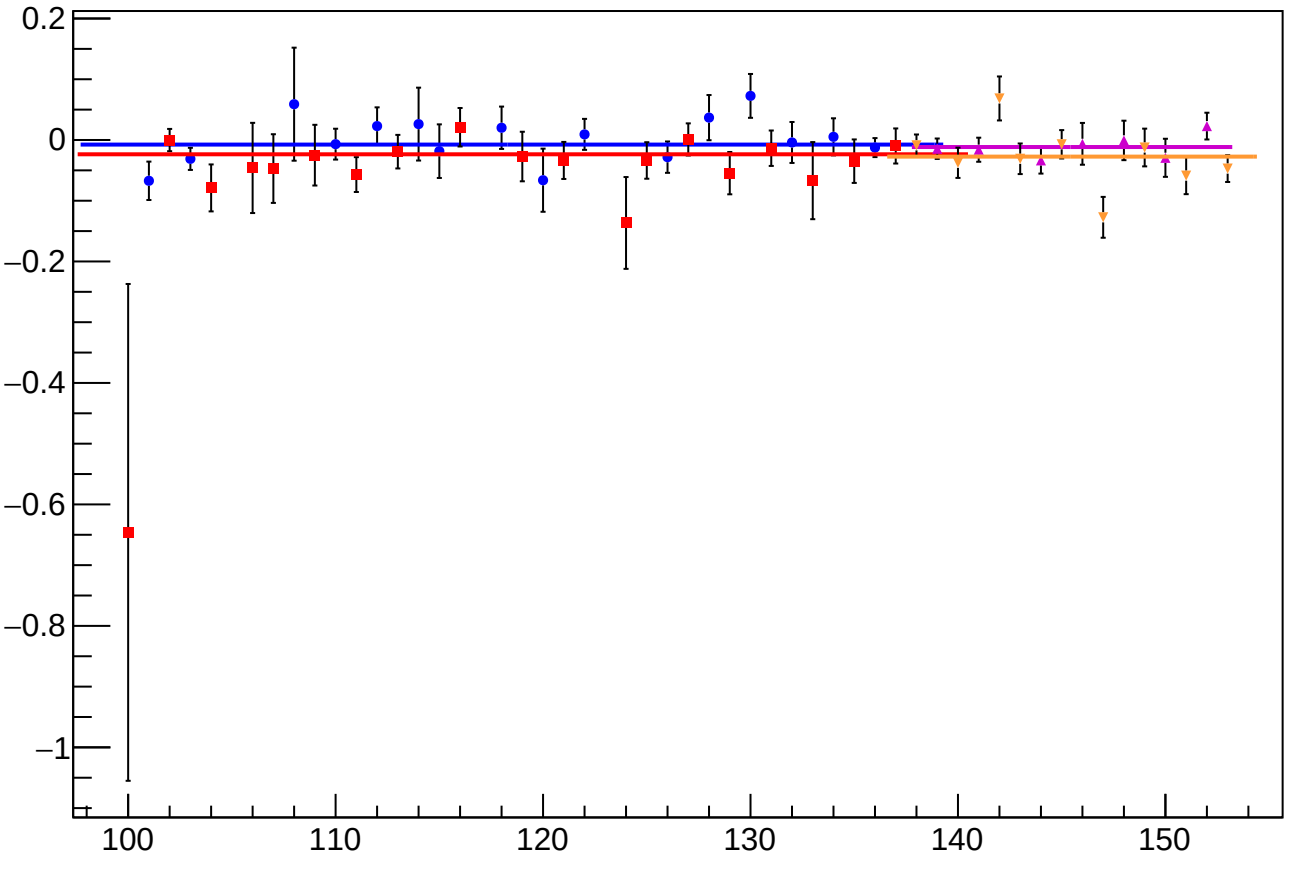
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.241+/-0.006 χ^2/NDF:616654.7/6

+ sign 19.100+/-0.004 χ^2/NDF: 1756553.3/24

All: 19.329+/-0.003 χ^2/NDF: 3648630.1/50

- sign 19.586+/-0.004 χ^2/NDF: 1884668.0/25



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.027+/-0.008 χ^2/NDF:19.9/8

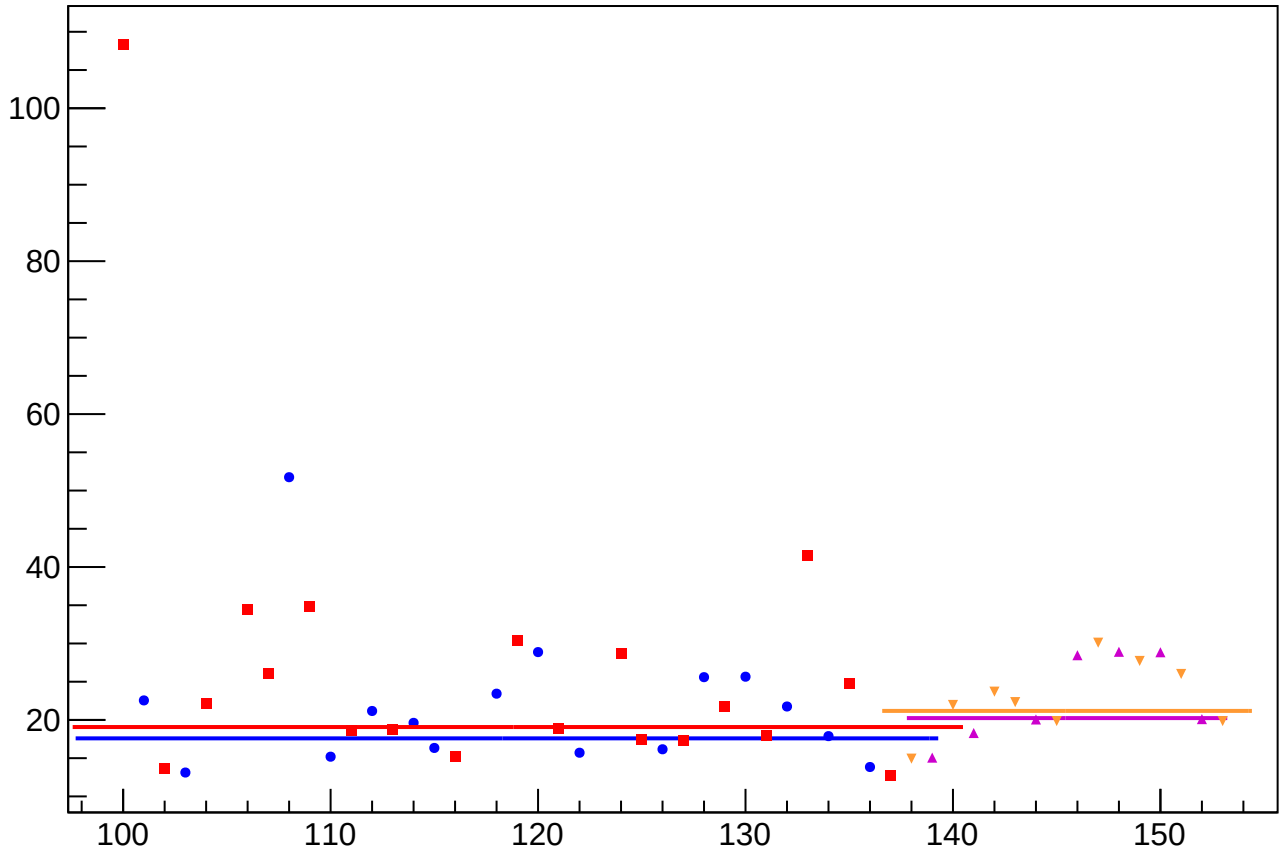
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.012+/-0.009 χ^2/NDF:4.0/6

+ sign -0.016+/-0.005 χ^2/NDF: 39.8/24

All: -0.017+/-0.004 χ^2/NDF: 59.6/50

- sign -0.018+/-0.006 χ^2/NDF: 19.7/25



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 21.182+/-0.006 χ^2/NDF:554340.3/8

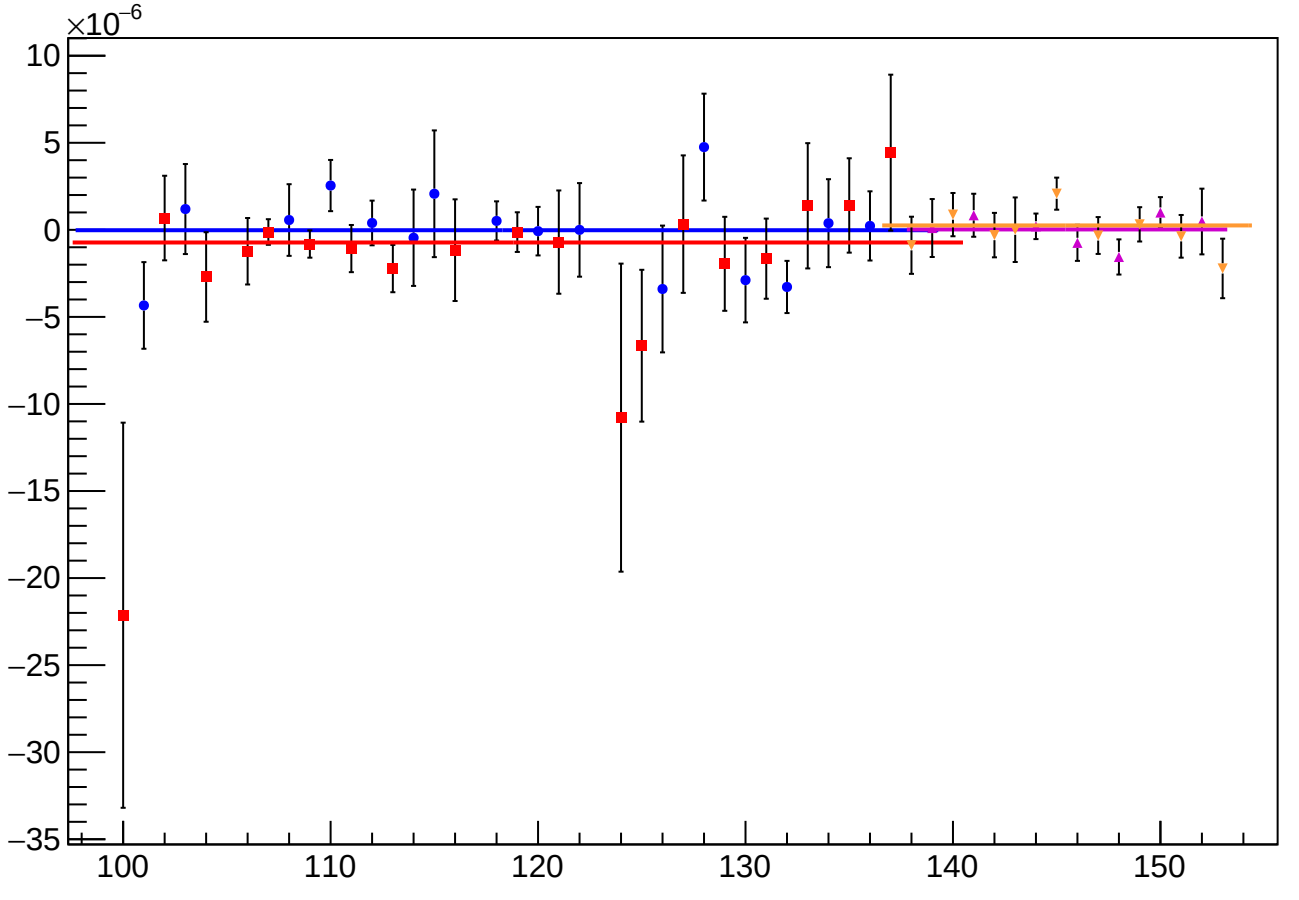
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.241+/-0.006 χ^2/NDF:616654.7/6

+ sign 19.100+/-0.004 χ^2/NDF: 1756553.3/24

All: 19.329+/-0.003 χ^2/NDF: 3648630.1/50

- sign 19.586+/-0.004 χ^2/NDF: 1884668.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

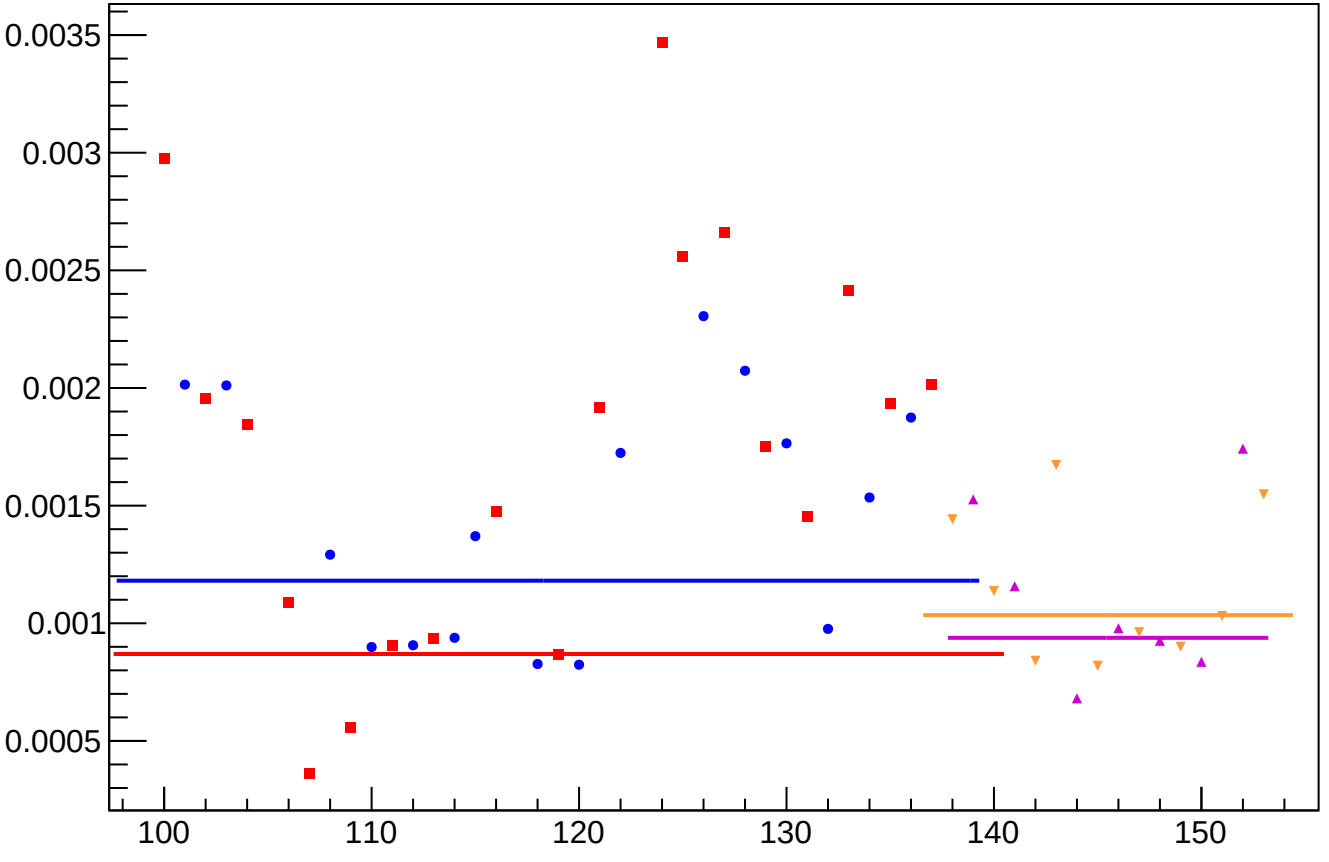
Left In: 0.000+/-0.000 χ^2/NDF:4.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 24.2/24

All: -0.000+/-0.000 χ^2/NDF: 45.2/50

- sign -0.000+/-0.000 χ^2/NDF: 19.5/25

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:756013.0/8

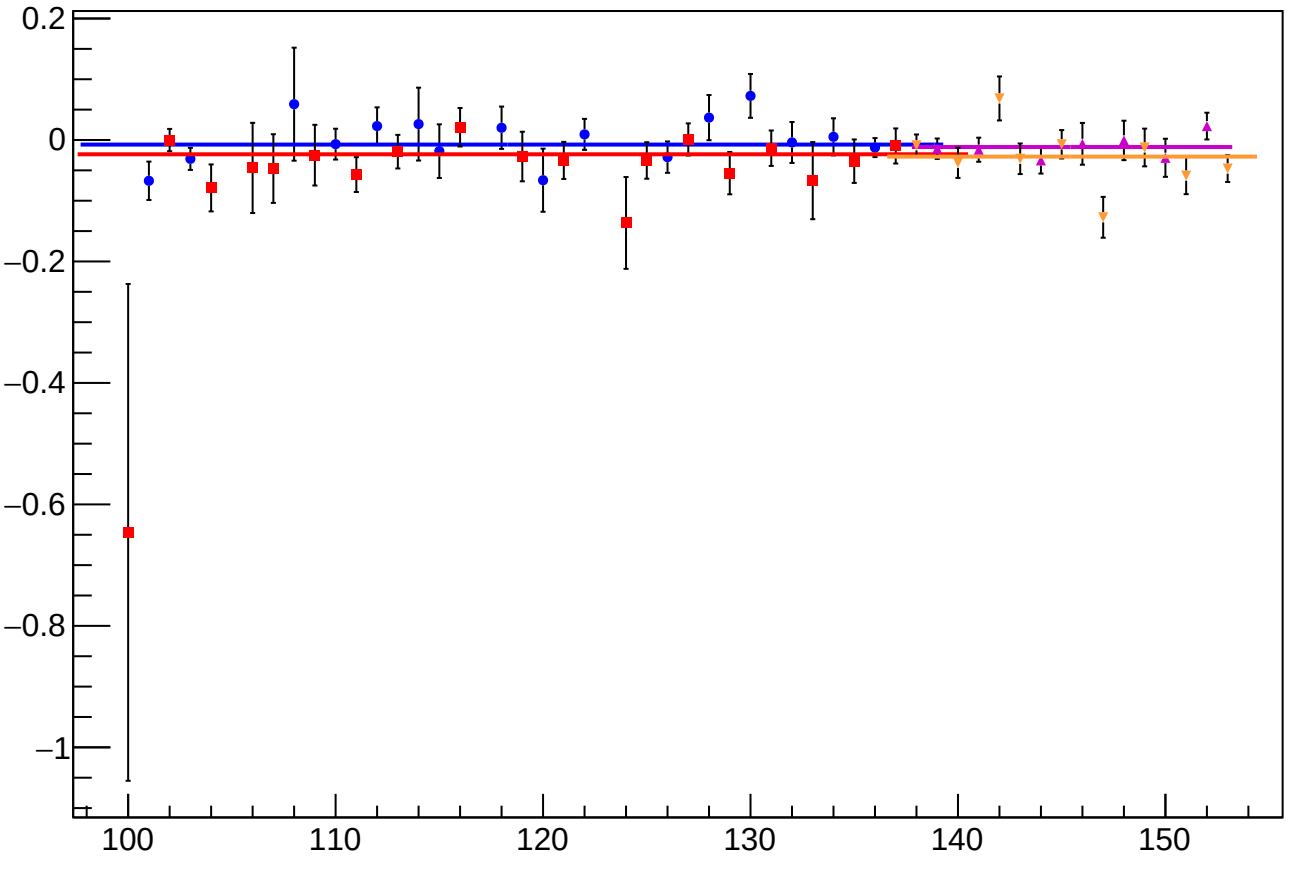
Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:951824.3/6

+ sign 0.001+/-0.000 χ^2/NDF: 2694423.6/24

All: 0.001+/-0.000 χ^2/NDF: 8556360.8/50

- sign 0.001+/-0.000 χ^2/NDF: 5418452.5/25



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.027+/-0.008 χ^2/NDF:19.9/8

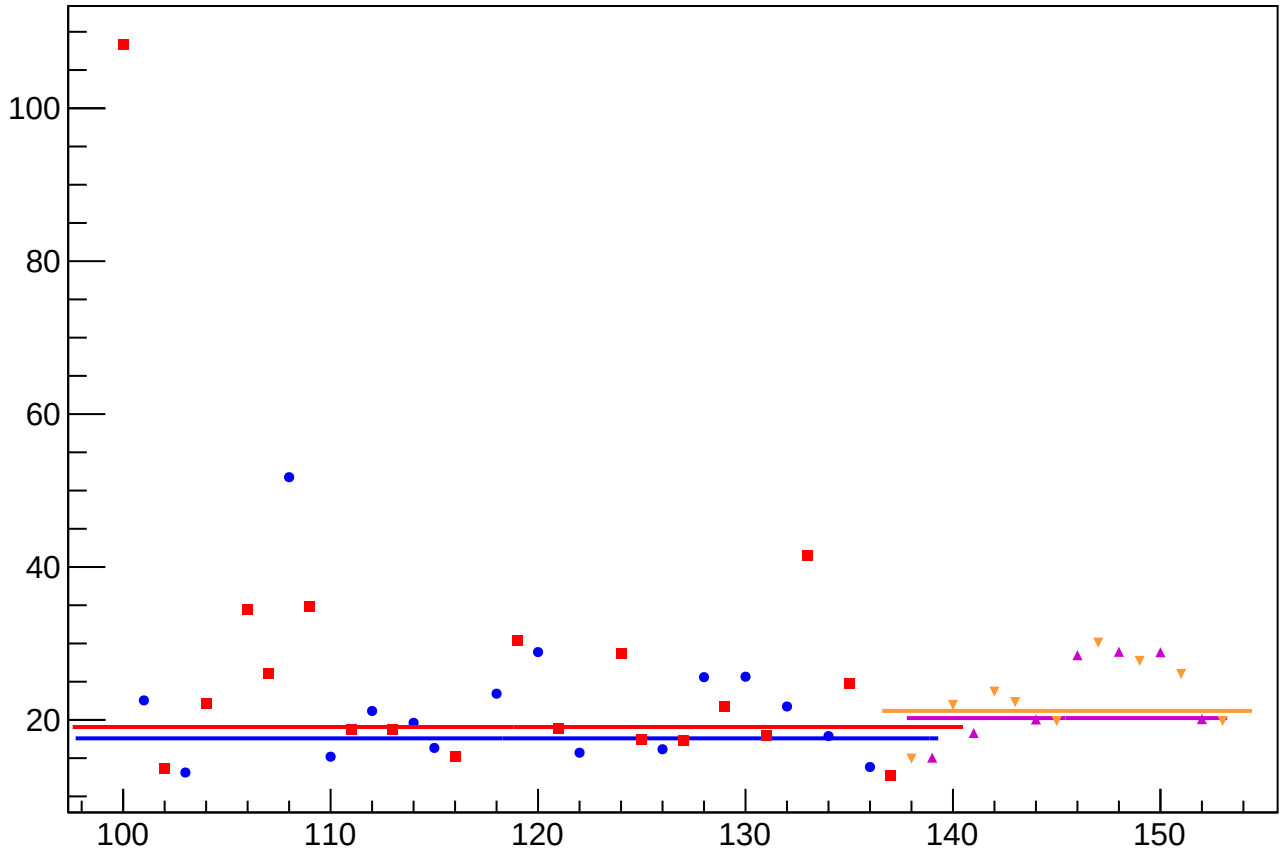
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.012+/-0.009 χ^2/NDF:4.0/6

+ sign -0.016+/-0.005 χ^2/NDF: 39.8/24

All: -0.017+/-0.004 χ^2/NDF: 59.6/50

- sign -0.018+/-0.006 χ^2/NDF: 19.7/25



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 21.182+/-0.006 χ^2/NDF:554322.9/8

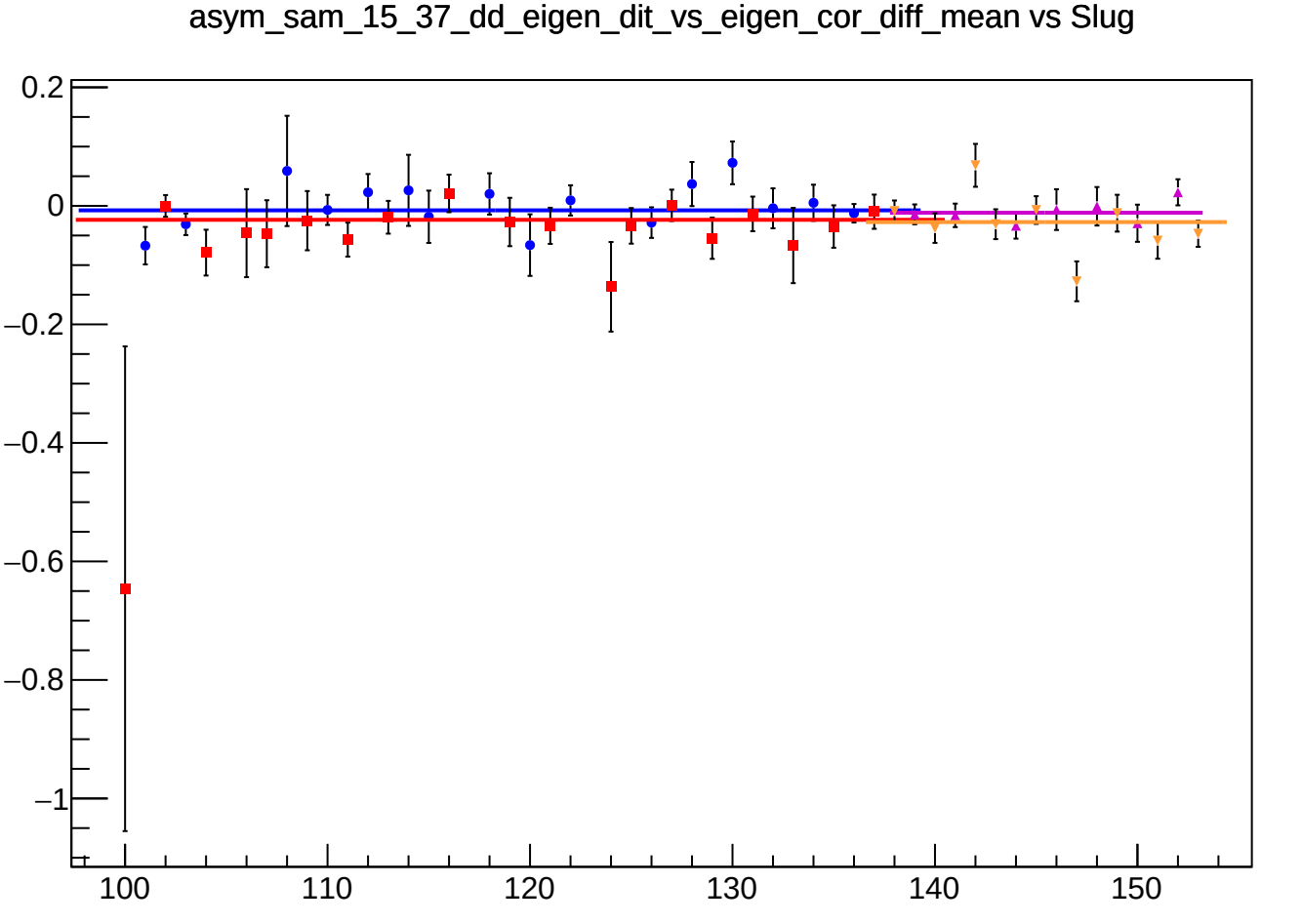
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.241+/-0.006 χ^2/NDF:616614.4/6

+ sign 19.100+/-0.004 χ^2/NDF: 1756591.4/24

All: 19.330+/-0.003 χ^2/NDF: 3648552.6/50

- sign 19.586+/-0.004 χ^2/NDF: 1884546.4/25



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.027+/-0.008 χ^2/NDF:19.9/8

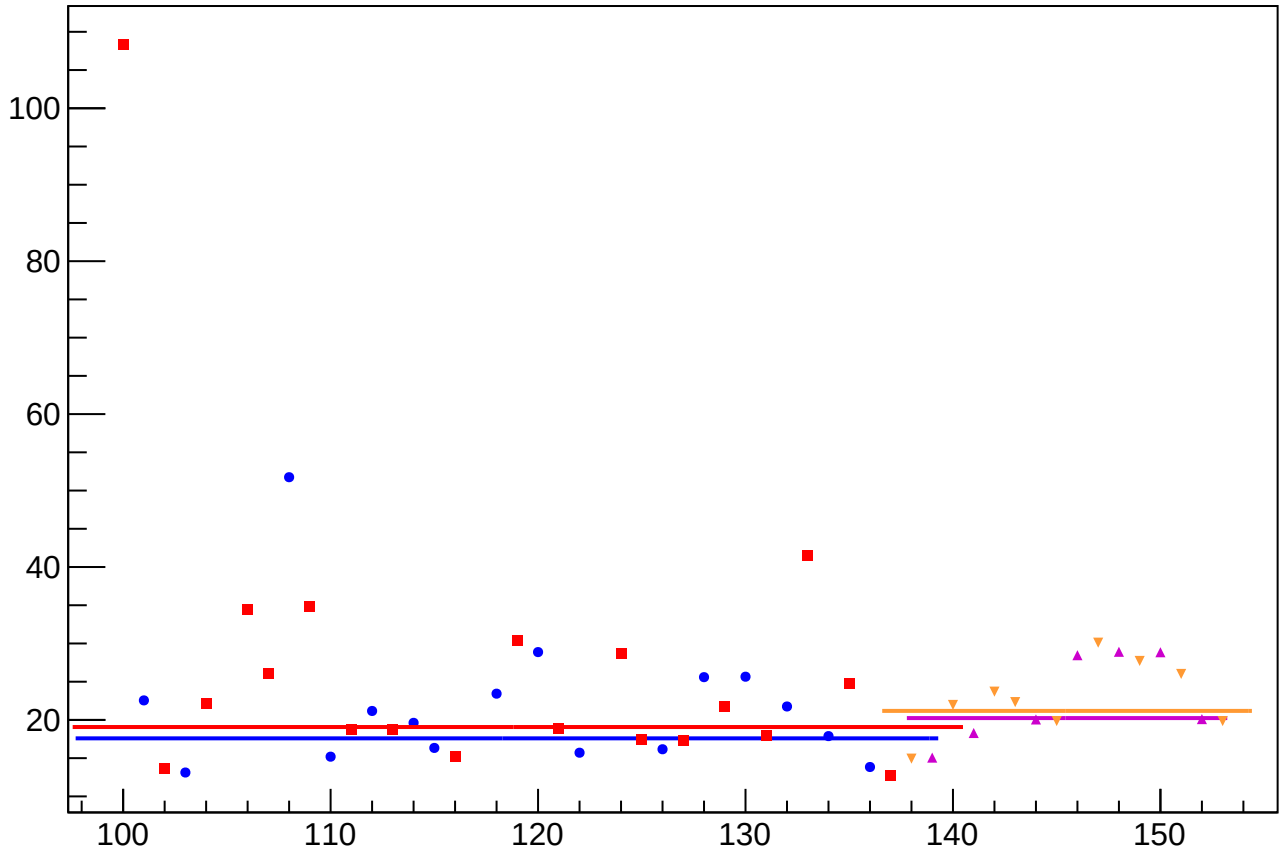
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.012+/-0.009 χ^2/NDF:4.0/6

+ sign -0.016+/-0.005 χ^2/NDF: 39.8/24

All: -0.017+/-0.004 χ^2/NDF: 59.6/50

- sign -0.018+/-0.006 χ^2/NDF: 19.7/25



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 21.182+/-0.006 χ^2/NDF:554322.9/8

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

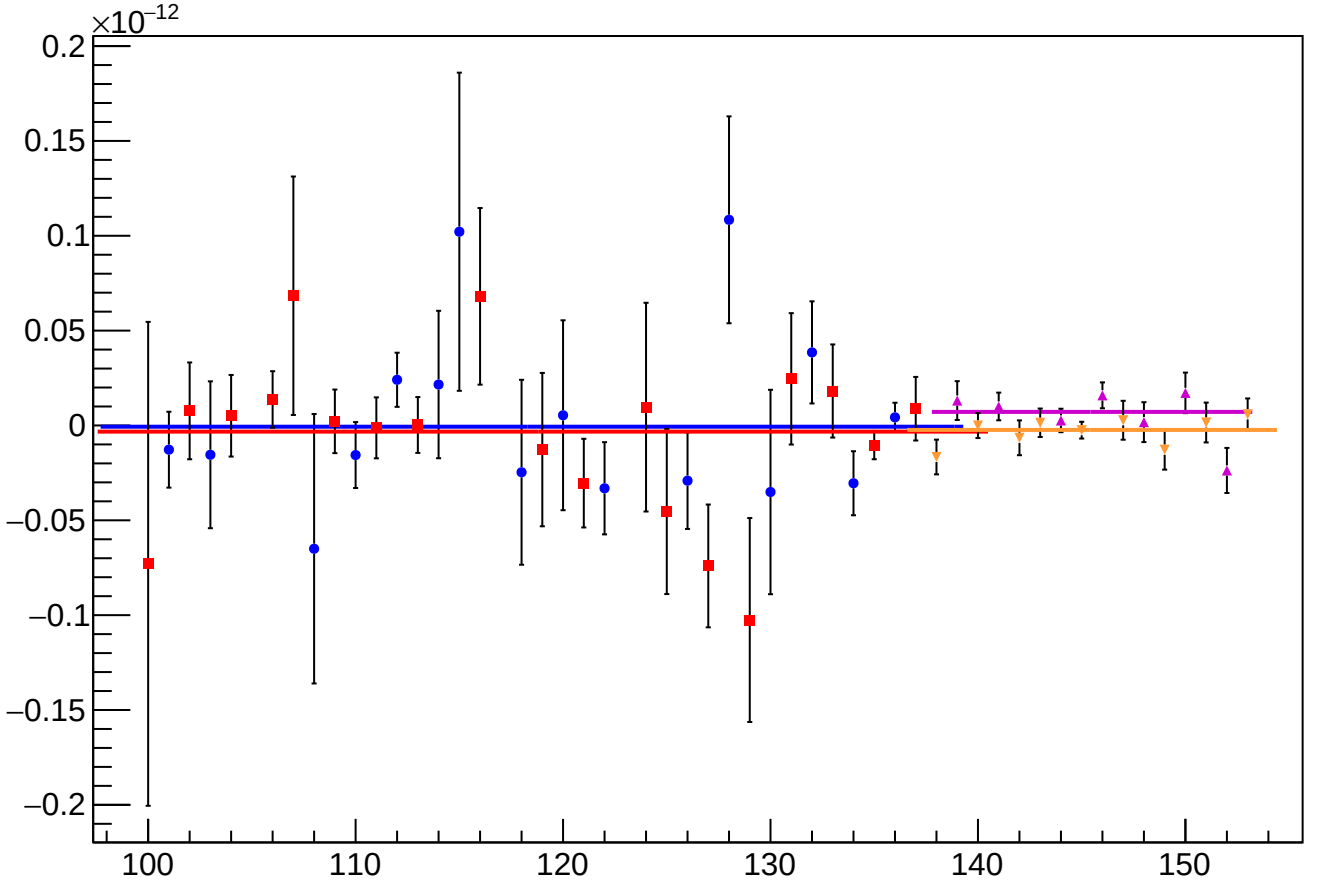
Left In: 20.241+/-0.006 χ^2/NDF:616614.4/6

+ sign 19.100+/-0.004 χ^2/NDF: 1756591.4/24

All: 19.330+/-0.003 χ^2/NDF: 3648552.6/50

- sign 19.586+/-0.004 χ^2/NDF: 1884546.4/25

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/8

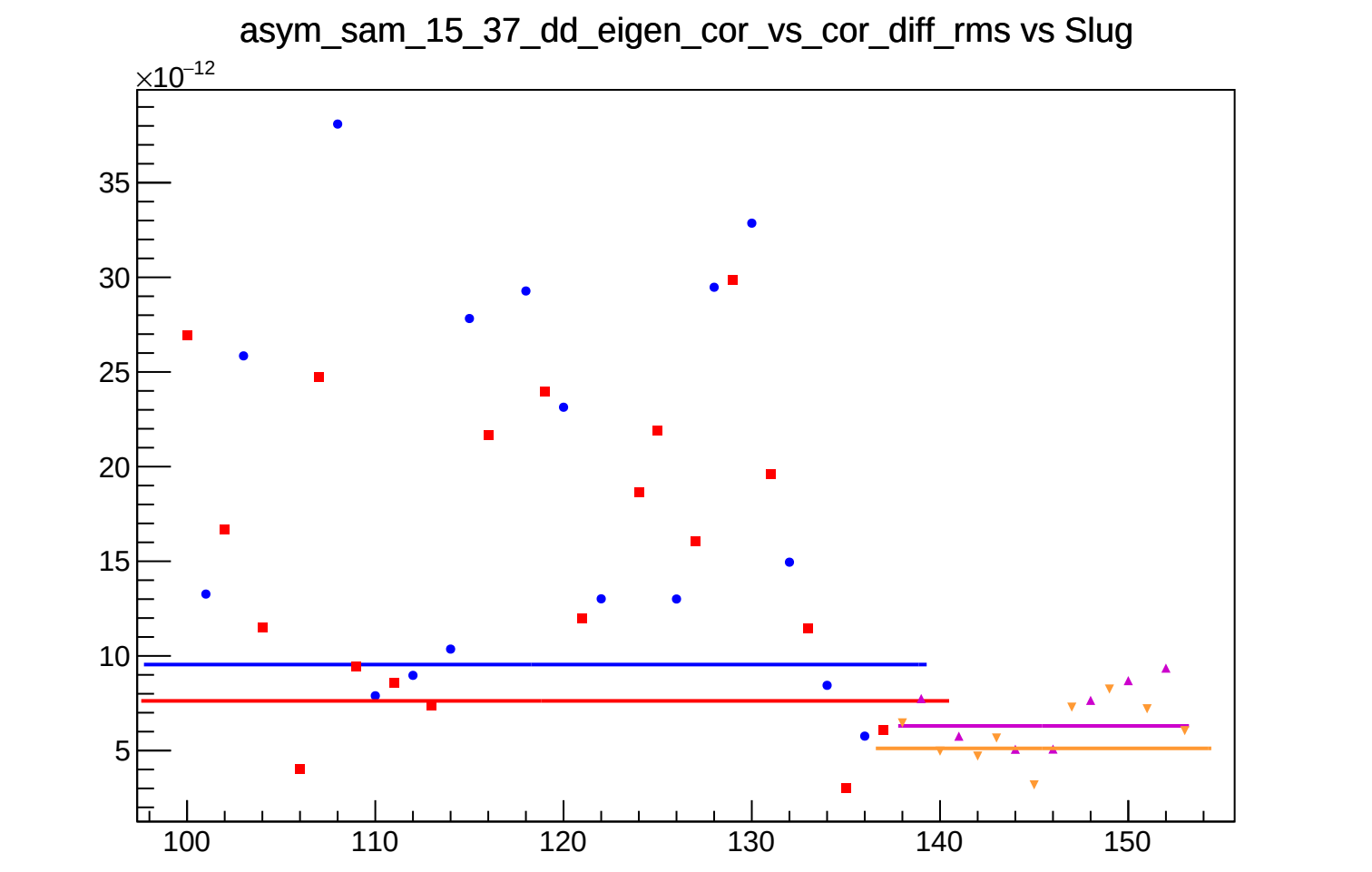
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/6

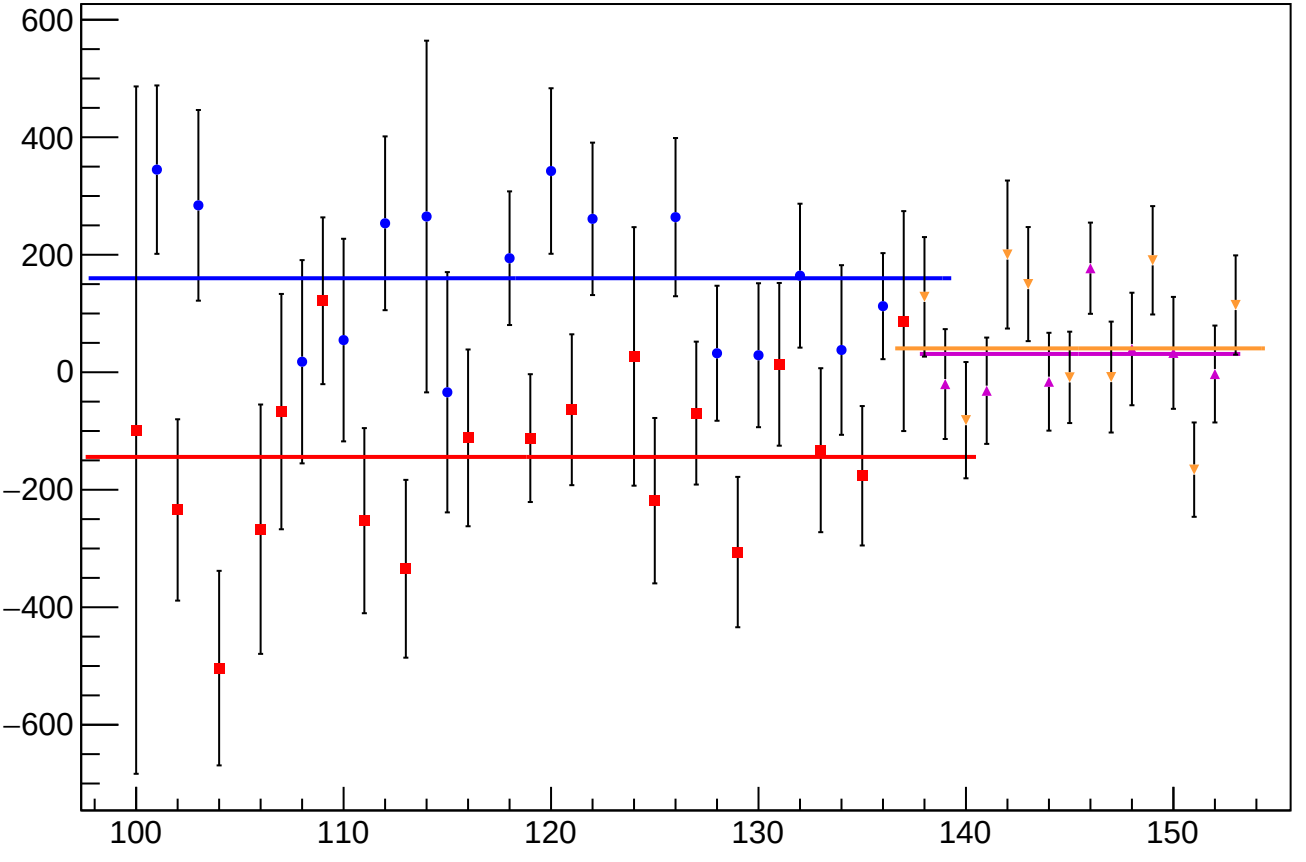
+ sign -0.000+/-0.000 χ^2/NDF: 25.7/24

All: 0.000+/-0.000 χ^2/NDF: 61.8/50

- sign 0.000+/-0.000 χ^2/NDF: 33.4/25


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:811312.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:460317.1/6
+ sign 0.000+/-0.000 χ²/NDF: 4668645.2/24
All: 0.000+/-0.000 χ²/NDF: 8425990.3/50
- sign 0.000+/-0.000 χ²/NDF: 3662559.7/25

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 40.629+/-30.740 χ^2/NDF:15.8/8

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

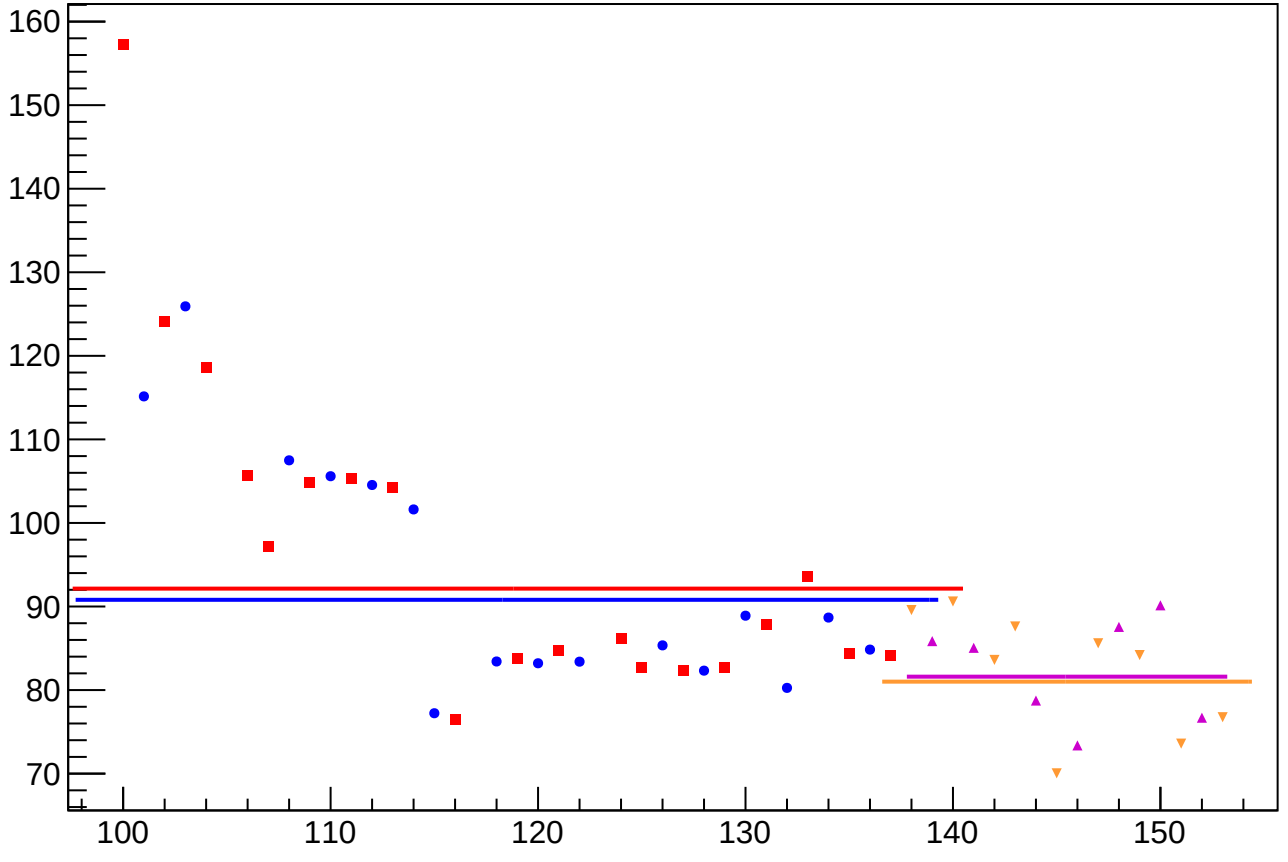
Left In: 31.150+/-33.097 χ^2/NDF:4.8/6

+ sign 94.035+/-22.853 χ^2/NDF: 33.6/24

All: 23.187+/-16.480 χ^2/NDF: 89.4/50

- sign -53.577+/-23.788 χ^2/NDF: 35.8/25

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 81.008+/-0.022 χ^2/NDF:112179.6/8

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

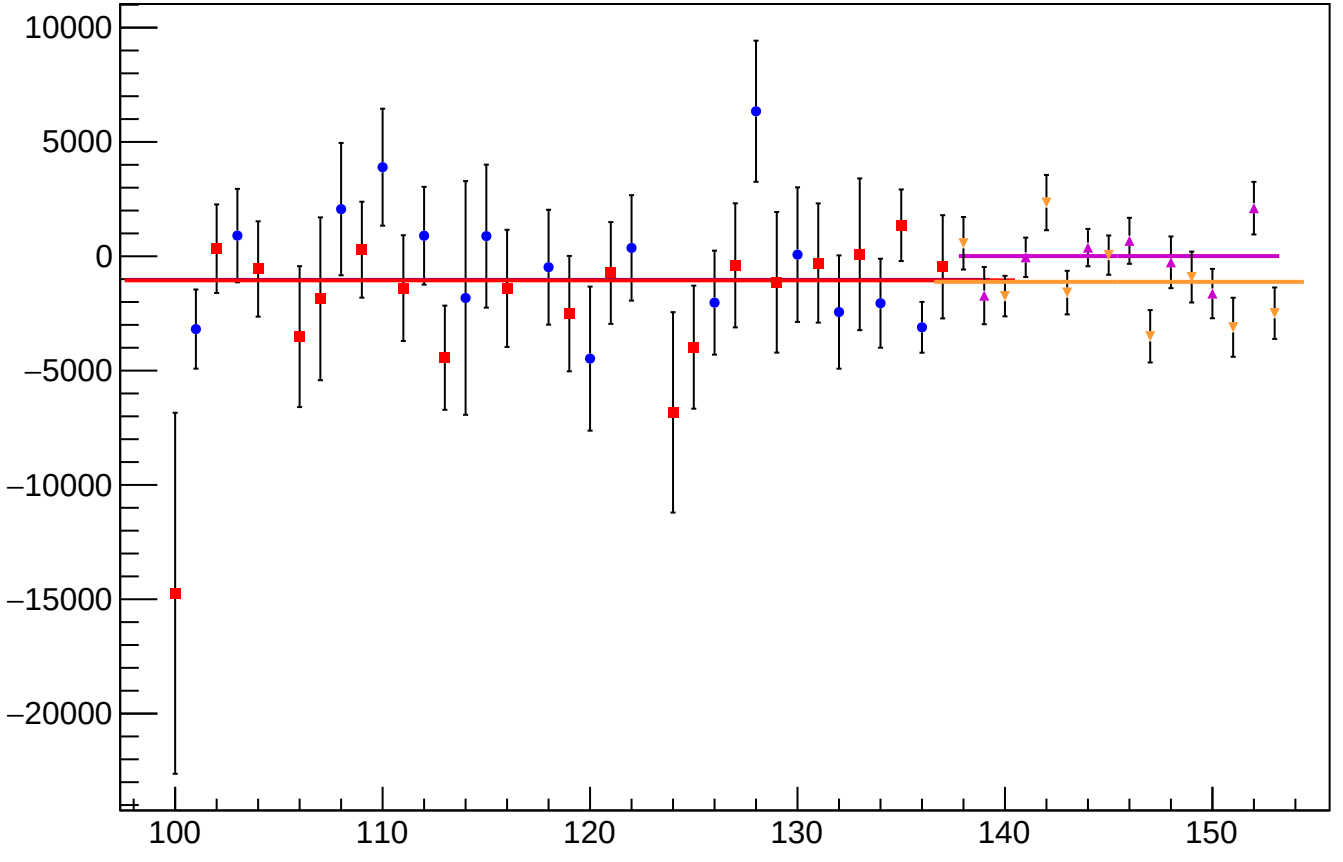
Left In: 81.604+/-0.023 χ^2/NDF:62760.3/6

+ sign 85.389+/-0.016 χ^2/NDF: 475747.7/24

All: 86.017+/-0.012 χ^2/NDF: 941695.7/50

- sign 86.698+/-0.017 χ^2/NDF: 462798.9/25

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1118.361+/-350.691 χ^2/NDF:21.2/8

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

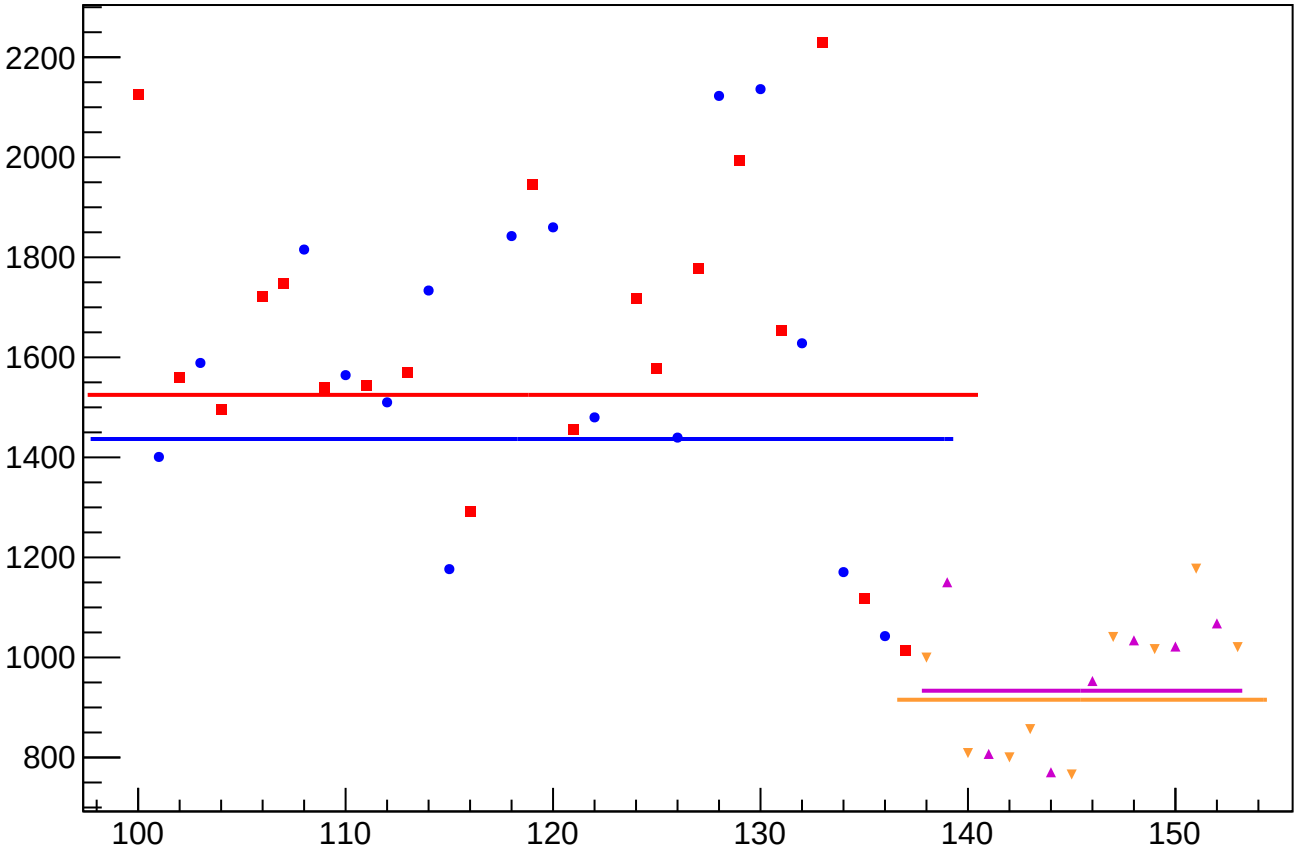
Left In: 9.139+/-381.597 χ^2/NDF:8.2/6

+ sign -1094.288+/-295.728 χ^2/NDF: 41.4/24

All: -733.871+/-216.213 χ^2/NDF: 68.2/50

- sign -319.964+/-316.914 χ^2/NDF: 23.5/25

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 915.445+/-0.248 χ^2/NDF:266419.4/8

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

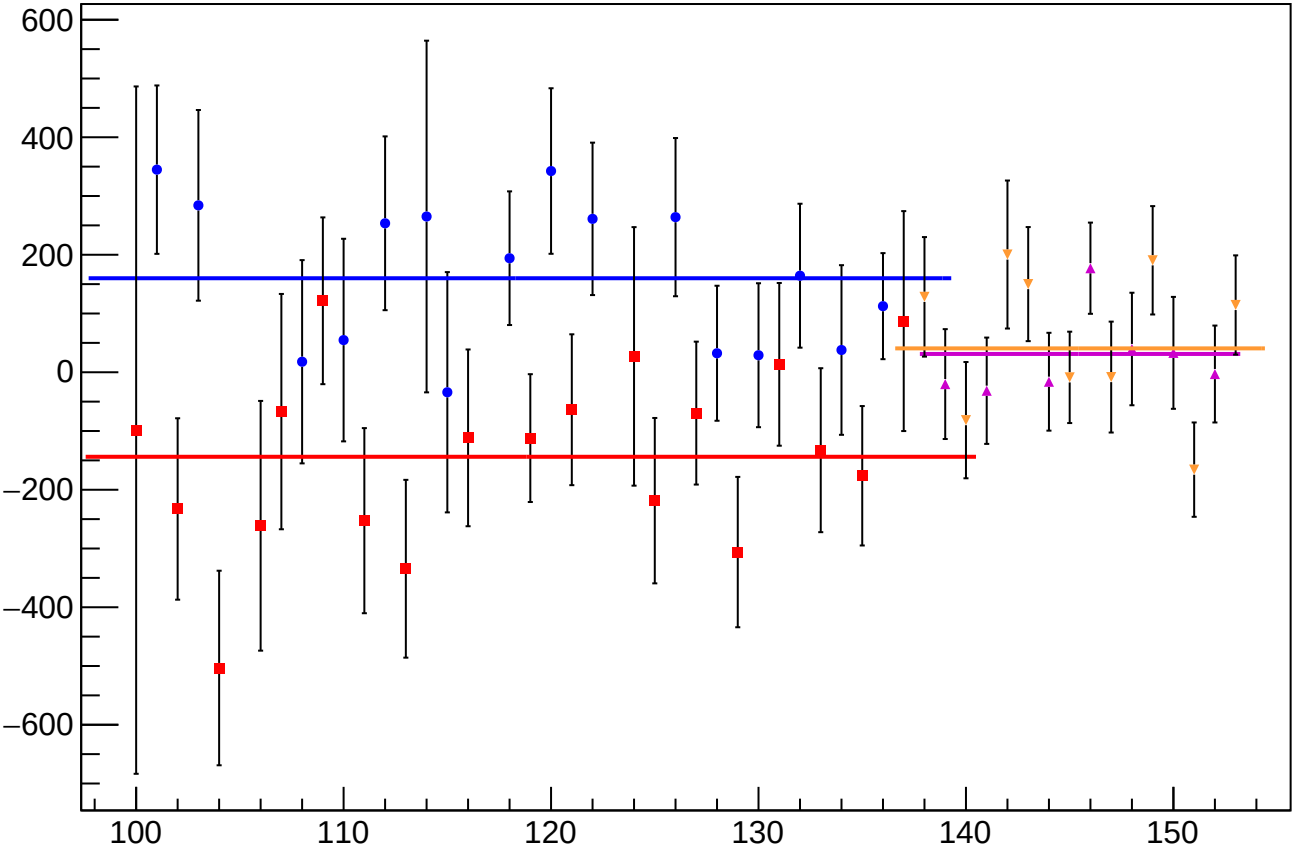
Left In: 933.472+/-0.270 χ^2/NDF:240132.1/6

+ sign 1066.040+/-0.209 χ^2/NDF: 2218740.8/24

All: 1089.759+/-0.153 χ^2/NDF: 4482024.8/50

- sign 1116.999+/-0.224 χ^2/NDF: 2235642.9/25

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 40.632+/-30.740 χ^2/NDF:15.8/8

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

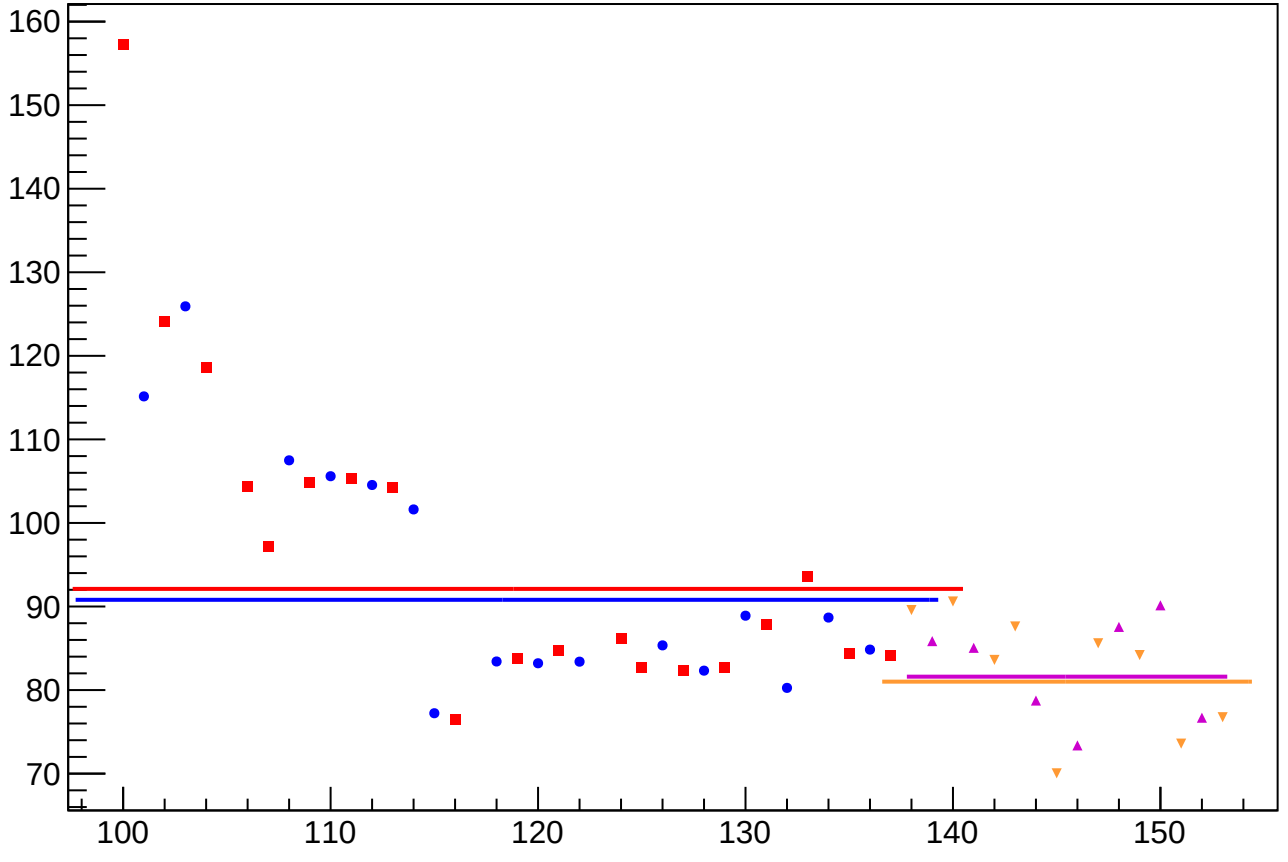
Left In: 31.147+/-33.097 χ^2/NDF:4.8/6

+ sign 94.035+/-22.853 χ^2/NDF: 33.6/24

All: 23.250+/-16.480 χ^2/NDF: 89.3/50

- sign -53.450+/-23.789 χ^2/NDF: 35.7/25

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 81.008+/-0.022 χ^2/NDF:112179.6/8

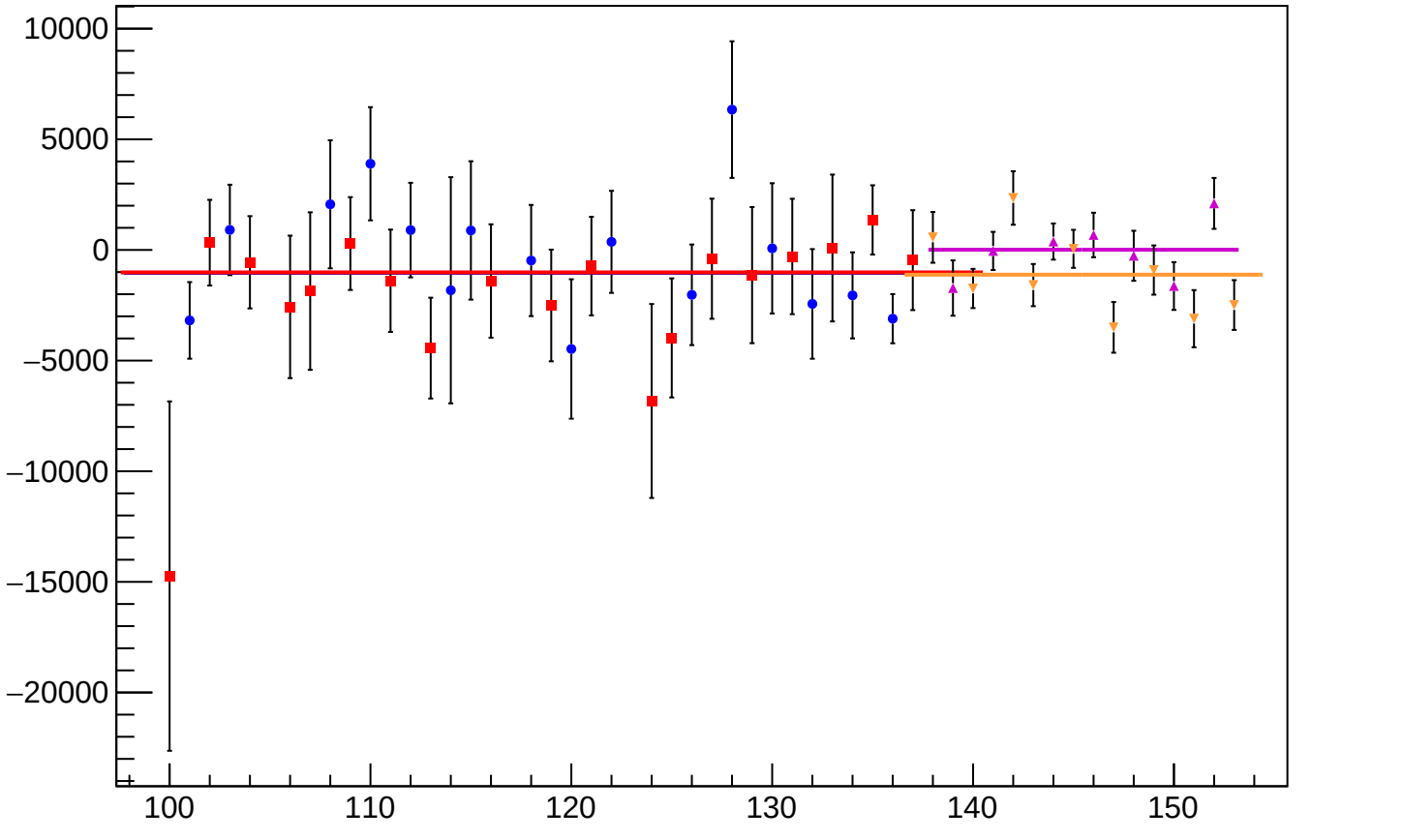
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 81.604+/-0.023 χ^2/NDF:62760.3/6

+ sign 85.389+/-0.016 χ^2/NDF: 475749.6/24

All: 86.009+/-0.012 χ^2/NDF: 939734.5/50

- sign 86.681+/-0.017 χ^2/NDF: 460913.8/25



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1118.354+/-350.690 χ^2/NDF:21.2/8

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

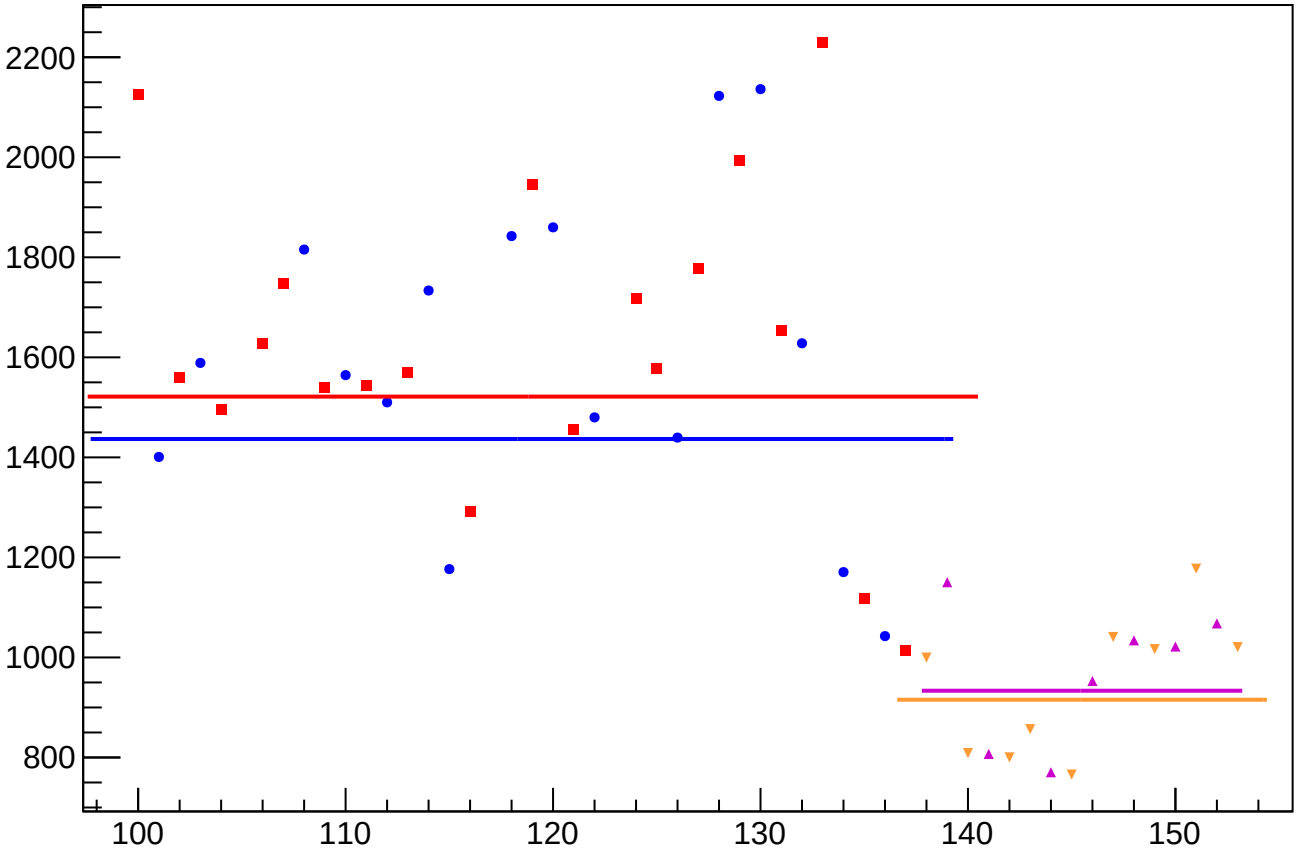
Left In: 9.133+/-381.598 χ^2/NDF:8.2/6

\+ sign -1094.277+/-295.728 χ^2/NDF: 41.4/24

All: -728.527+/-216.259 χ^2/NDF: 67.7/50

\- sign -308.113+/-317.058 χ^2/NDF: 22.9/25

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 915.445+/-0.248 χ^2/NDF:266420.1/8

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

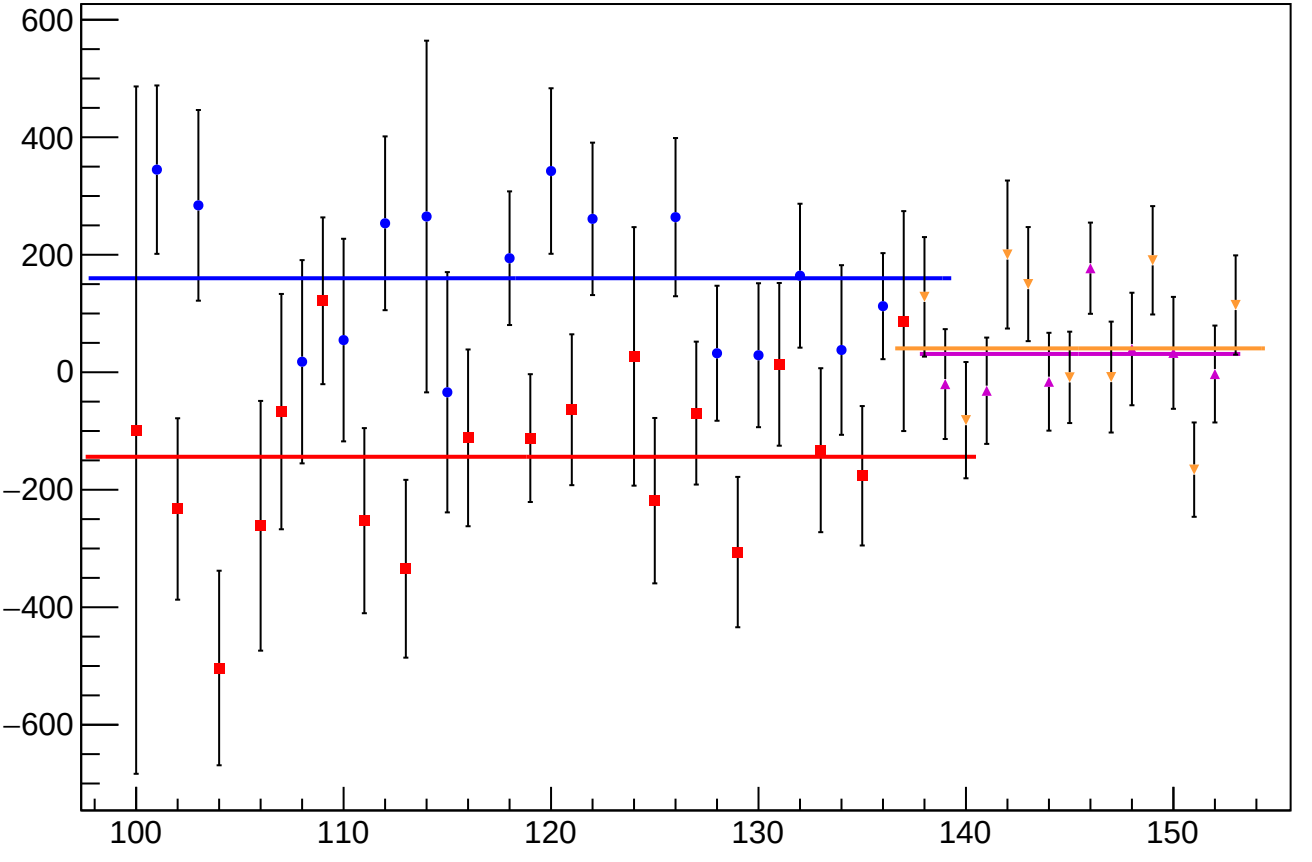
Left In: 933.472+/-0.270 χ^2/NDF:240132.7/6

+ sign 1066.041+/-0.209 χ^2/NDF: 2218764.3/24

All: 1089.076+/-0.153 χ^2/NDF: 4453912.9/50

- sign 1115.555+/-0.224 χ^2/NDF: 2209064.0/25

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 40.632+/-30.740 χ^2/NDF:15.8/8

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

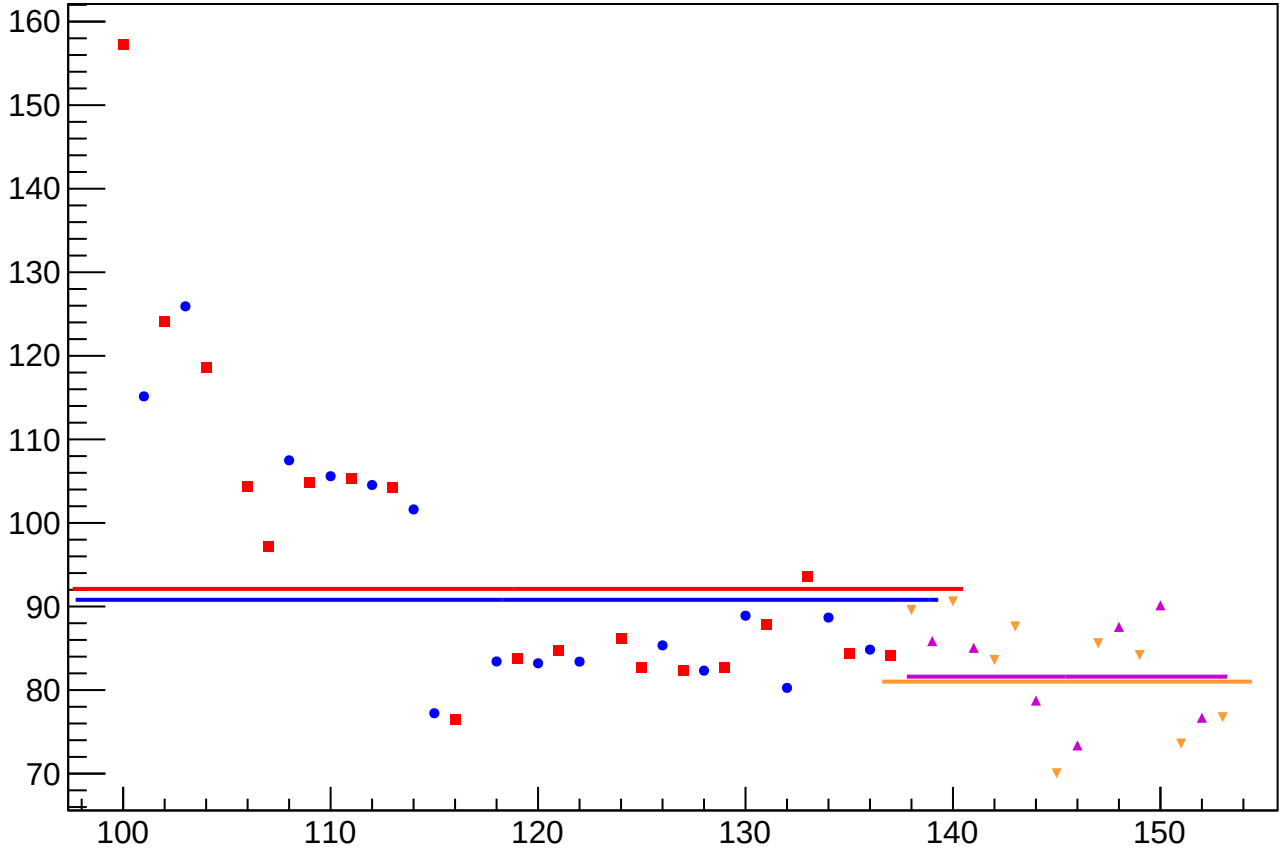
Left In: 31.147+/-33.097 χ^2/NDF:4.8/6

+ sign 94.035+/-22.853 χ^2/NDF: 33.6/24

All: 23.250+/-16.480 χ^2/NDF: 89.3/50

- sign -53.450+/-23.789 χ^2/NDF: 35.7/25

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 81.008+/-0.022 χ^2/NDF:112179.6/8

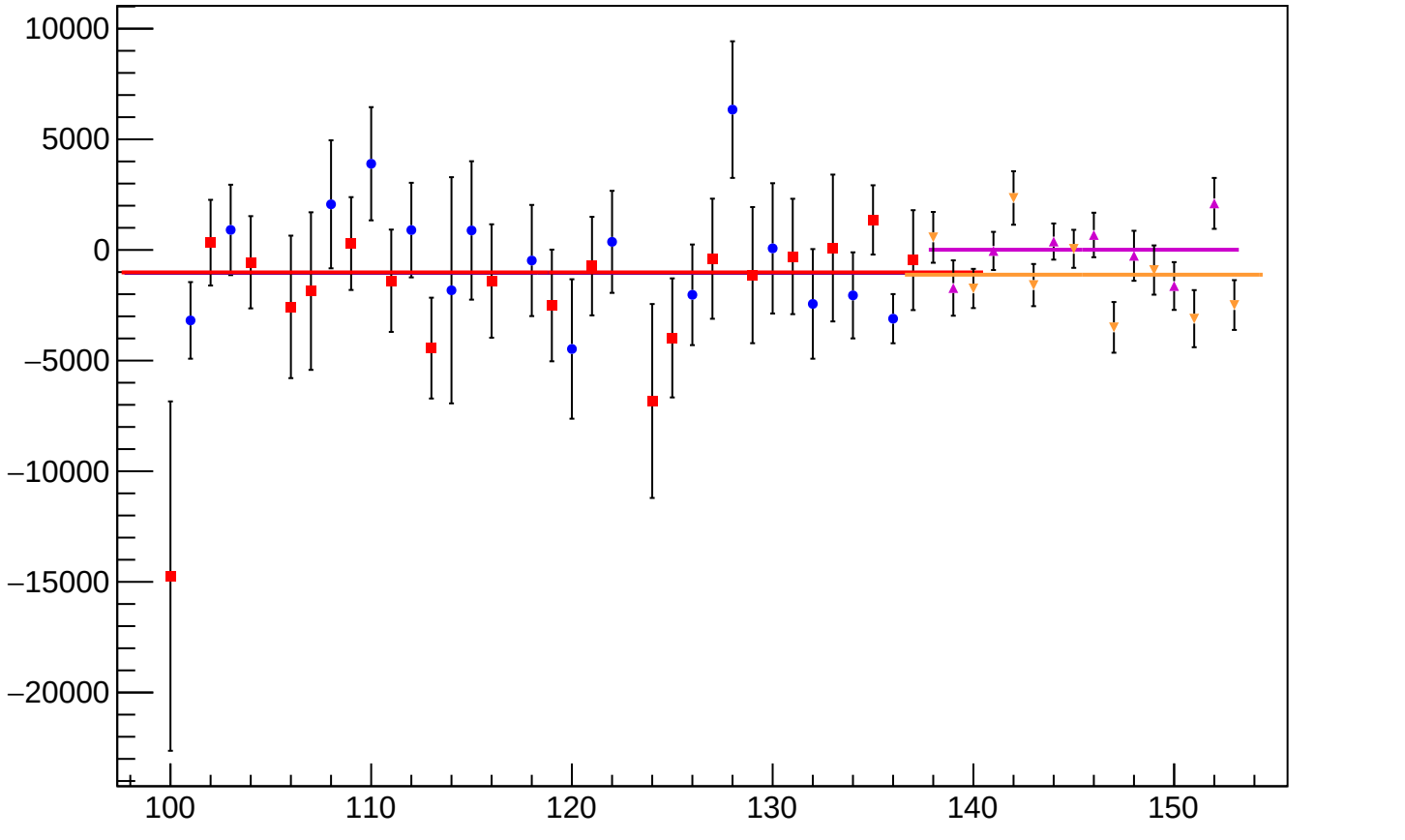
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 81.604+/-0.023 χ^2/NDF:62760.3/6

+ sign 85.389+/-0.016 χ^2/NDF: 475749.6/24

All: 86.009+/-0.012 χ^2/NDF: 939734.5/50

- sign 86.681+/-0.017 χ^2/NDF: 460913.8/25



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1118.354+/-350.690 χ^2/NDF:21.2/8

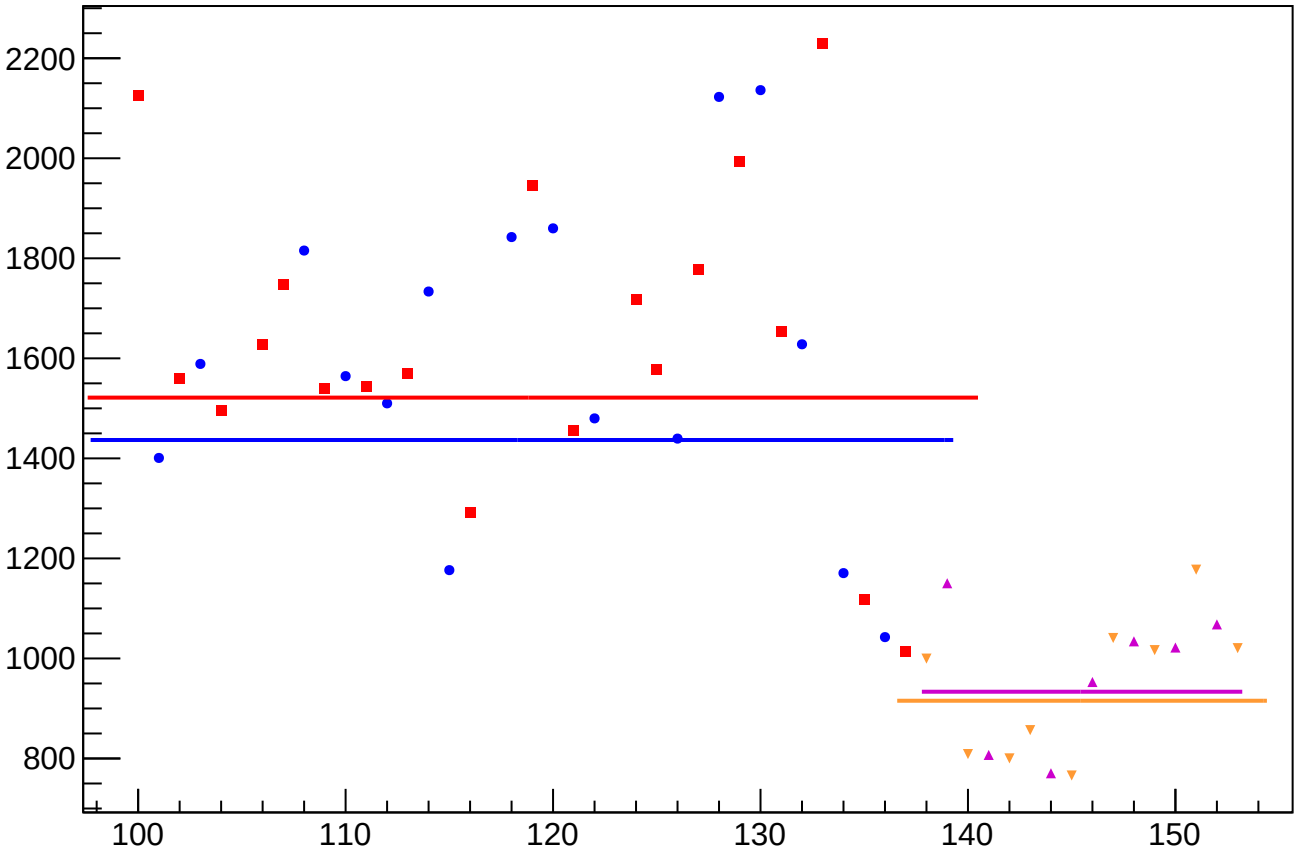
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 9.133+/-381.598 χ^2/NDF:8.2/6

+ sign -1094.277+/-295.728 χ^2/NDF: 41.4/24

All: -728.527+/-216.259 χ^2/NDF: 67.7/50

- sign -308.113+/-317.058 χ^2/NDF: 22.9/25



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 915.445+/-0.248 χ^2/NDF:266420.1/8

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

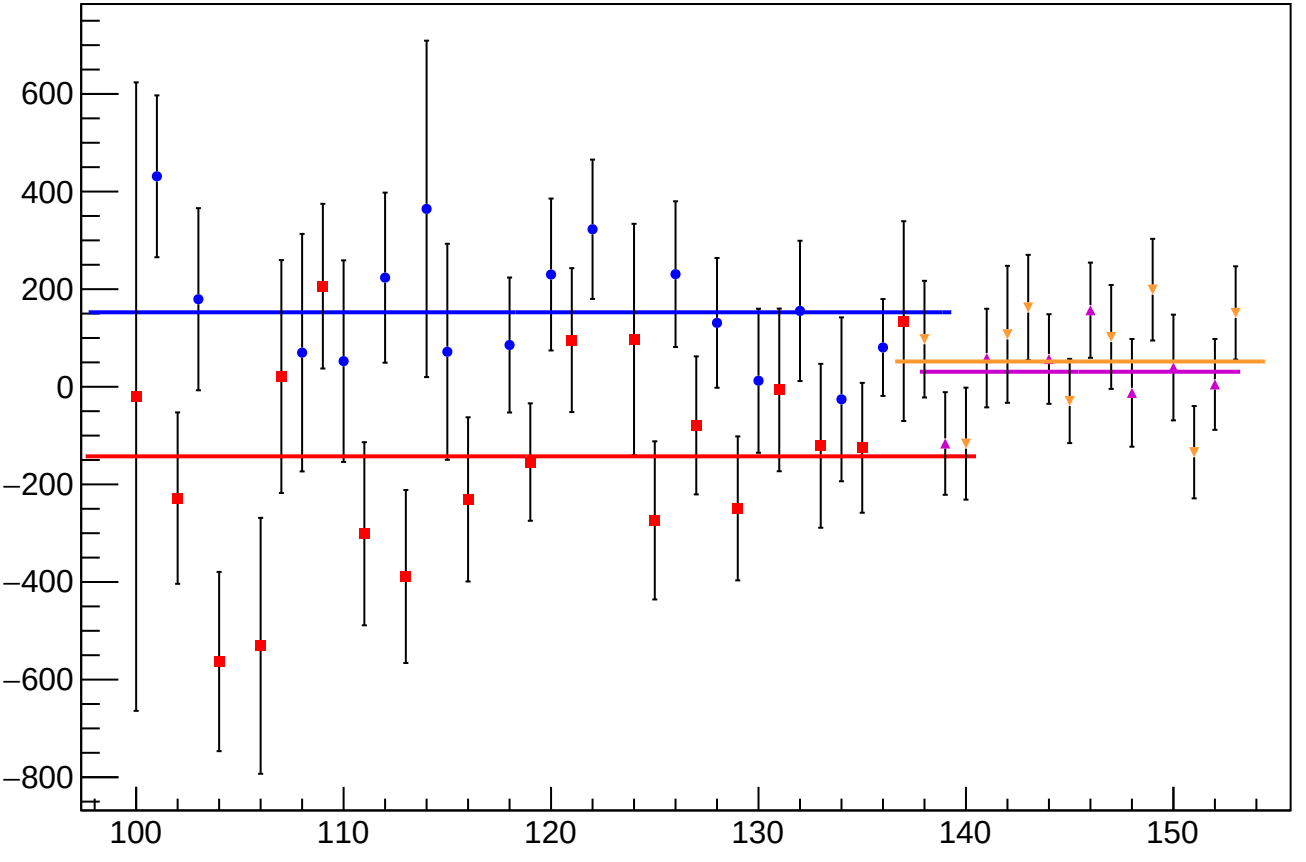
Left In: 933.472+/-0.270 χ^2/NDF:240132.7/6

+ sign 1066.041+/-0.209 χ^2/NDF: 2218764.3/24

All: 1089.076+/-0.153 χ^2/NDF: 4453912.9/50

- sign 1115.555+/-0.224 χ^2/NDF: 2209064.0/25

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 51.820+/-34.944 χ^2/NDF:11.6/8

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

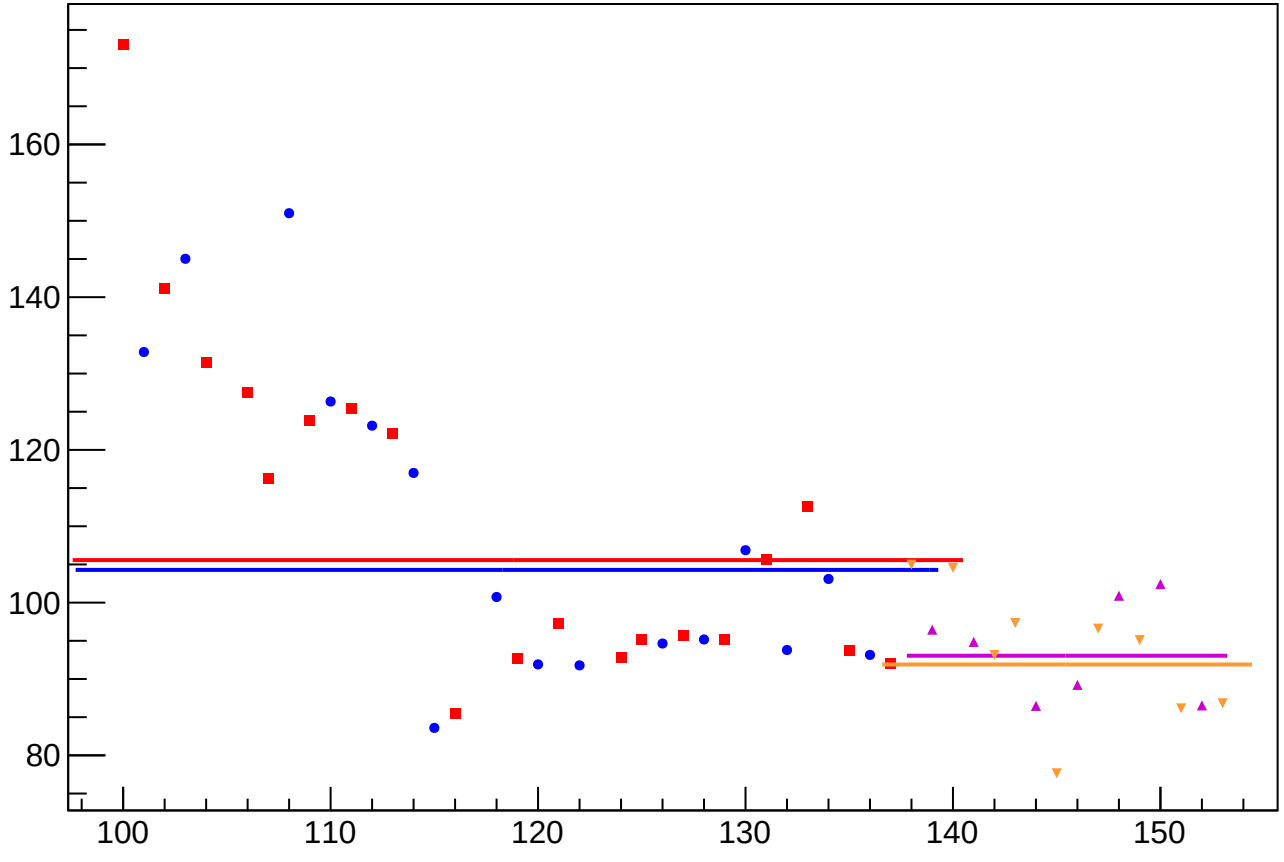
Left In: 30.809+/-37.923 χ^2/NDF:4.0/6

+ sign 96.145+/-26.157 χ^2/NDF: 23.9/24

All: 24.928+/-18.888 χ^2/NDF: 76.3/50

- sign -52.667+/-27.303 χ^2/NDF: 37.0/25

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 91.897+/-0.025 χ^2/NDF:126914.1/8

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

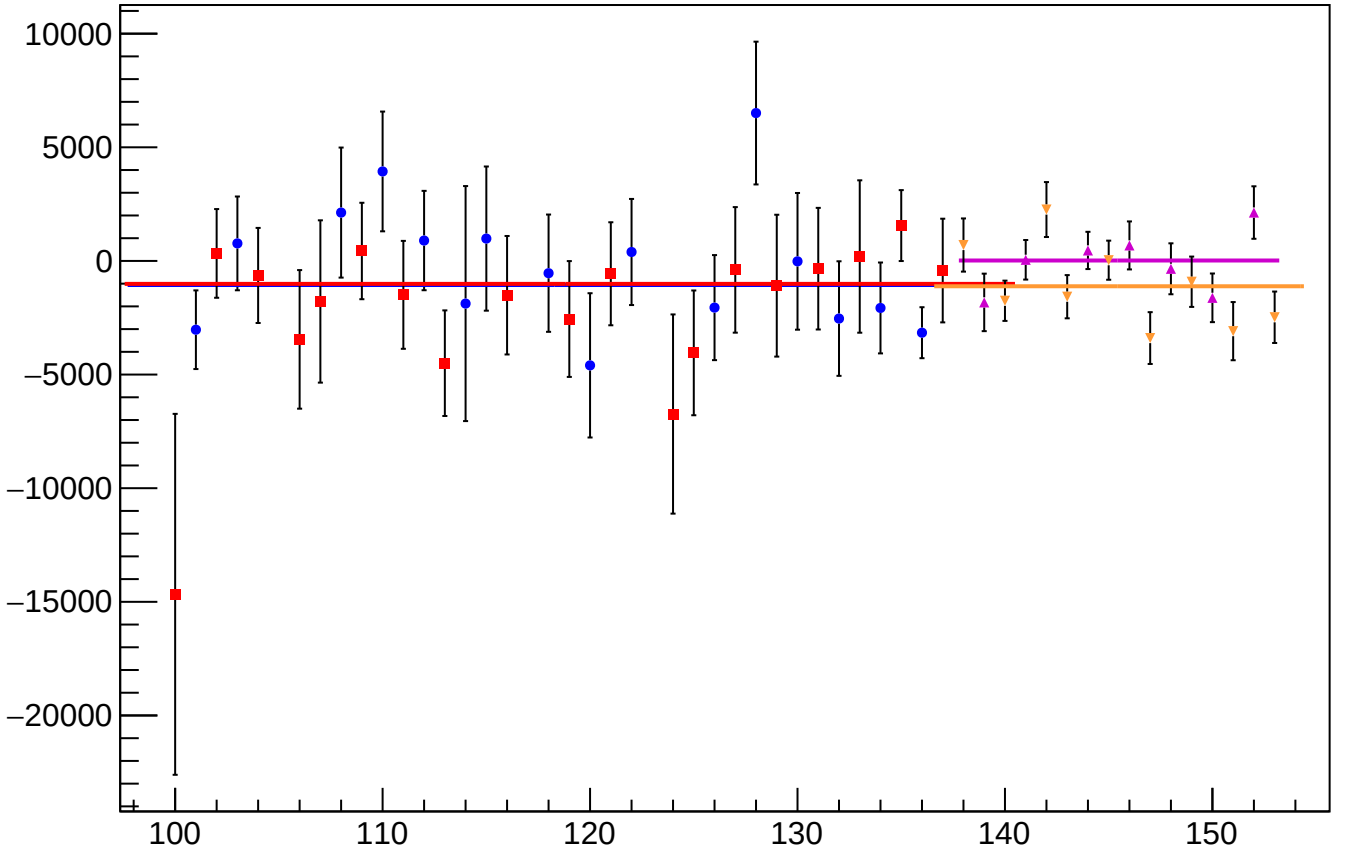
Left In: 93.047+/-0.027 χ^2/NDF:51027.6/6

+ sign 97.345+/-0.018 χ^2/NDF: 615759.2/24

All: 98.174+/-0.013 χ^2/NDF: 1120604.8/50

- sign 99.078+/-0.019 χ^2/NDF: 500641.6/25

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1114.764+/-350.871 χ^2/NDF:20.6/8

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

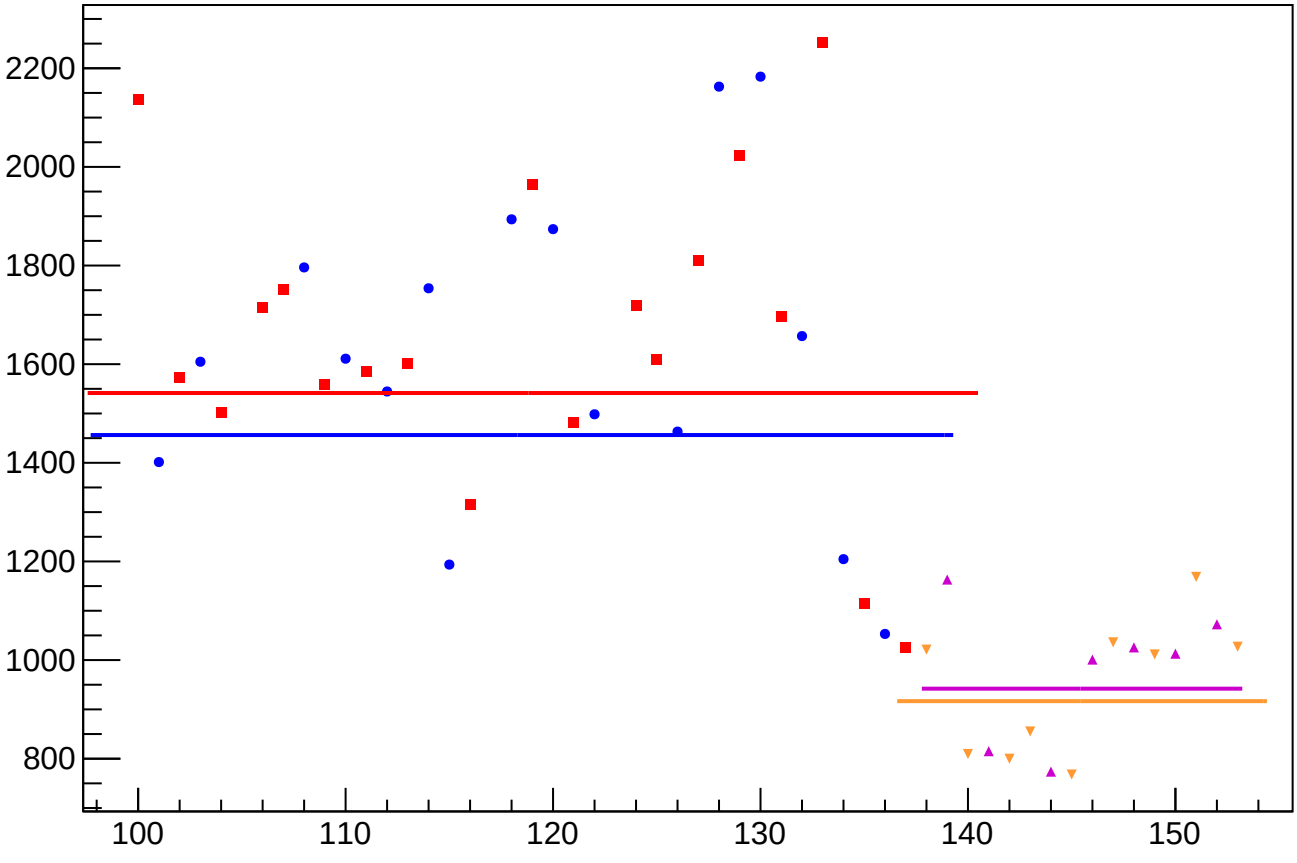
Left In: 19.023+/-384.943 χ^2/NDF:8.6/6

+ sign -1099.050+/-296.976 χ^2/NDF: 40.6/24

All: -728.865+/-217.646 χ^2/NDF: 68.1/50

- sign -299.335+/-319.895 χ^2/NDF: 24.1/25

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 916.704+/-0.248 χ^2/NDF:265048.9/8

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

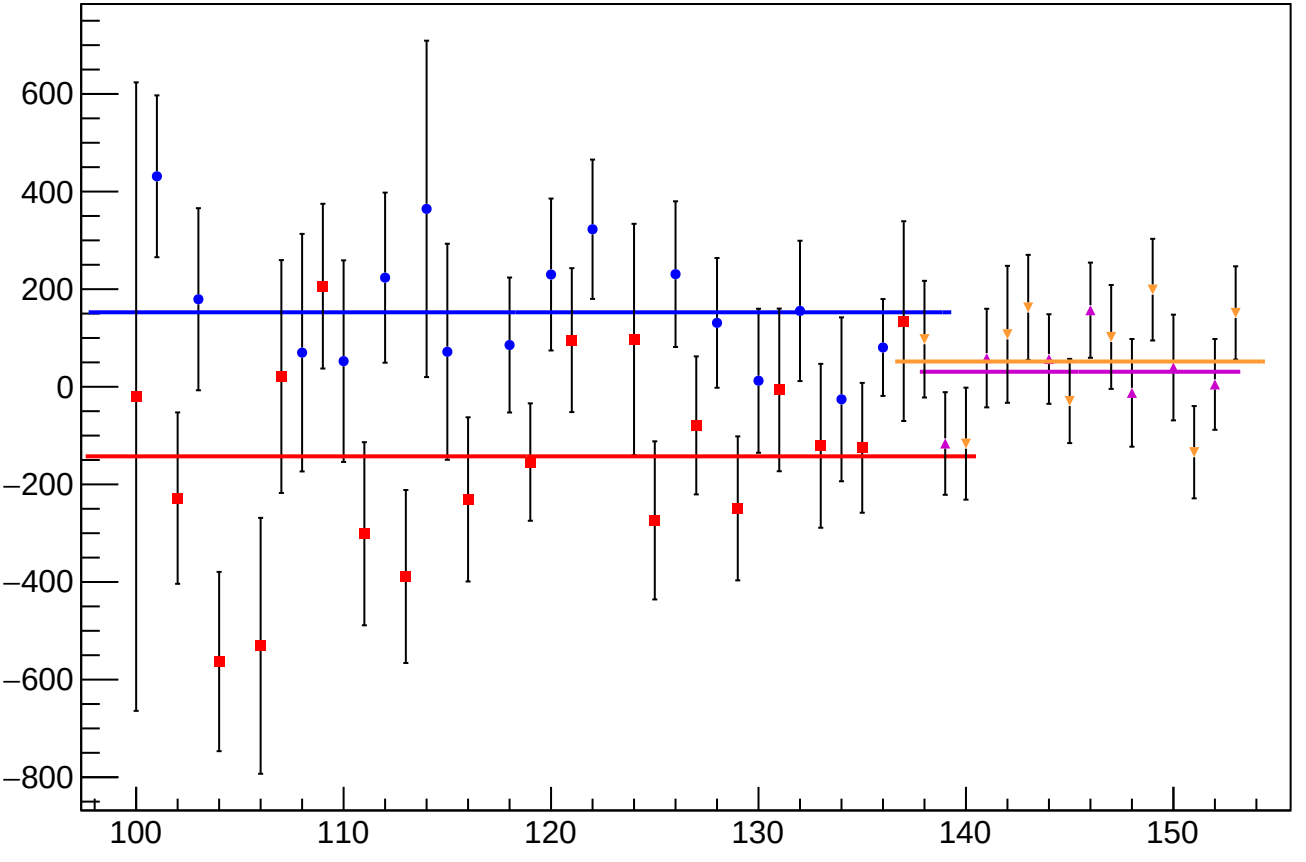
Left In: 942.017+/-0.272 χ^2/NDF:239560.2/6

+ sign 1069.741+/-0.210 χ^2/NDF: 2291398.9/24

All: 1096.481+/-0.154 χ^2/NDF: 4586223.7/5

- sign 1127.508+/-0.226 χ^2/NDF: 2259795.9/25

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 51.819+/-34.944 χ^2/NDF:11.6/8

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

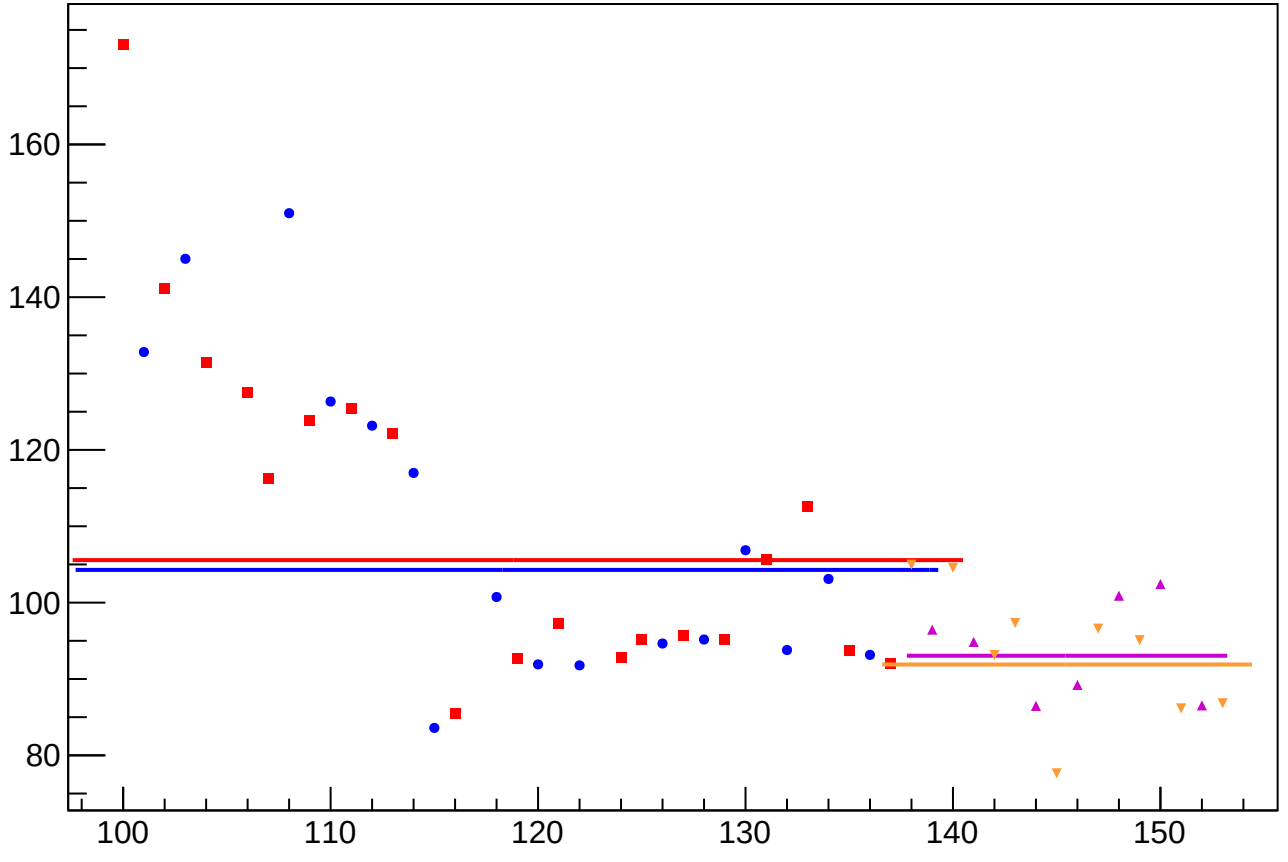
Left In: 30.808+/-37.923 χ^2/NDF:4.0/6

+ sign 96.146+/-26.157 χ^2/NDF: 23.9/24

All: 24.929+/-18.888 χ^2/NDF: 76.3/50

- sign -52.666+/-27.303 χ^2/NDF: 37.0/25

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 91.897+/-0.025 χ^2/NDF:126911.6/8

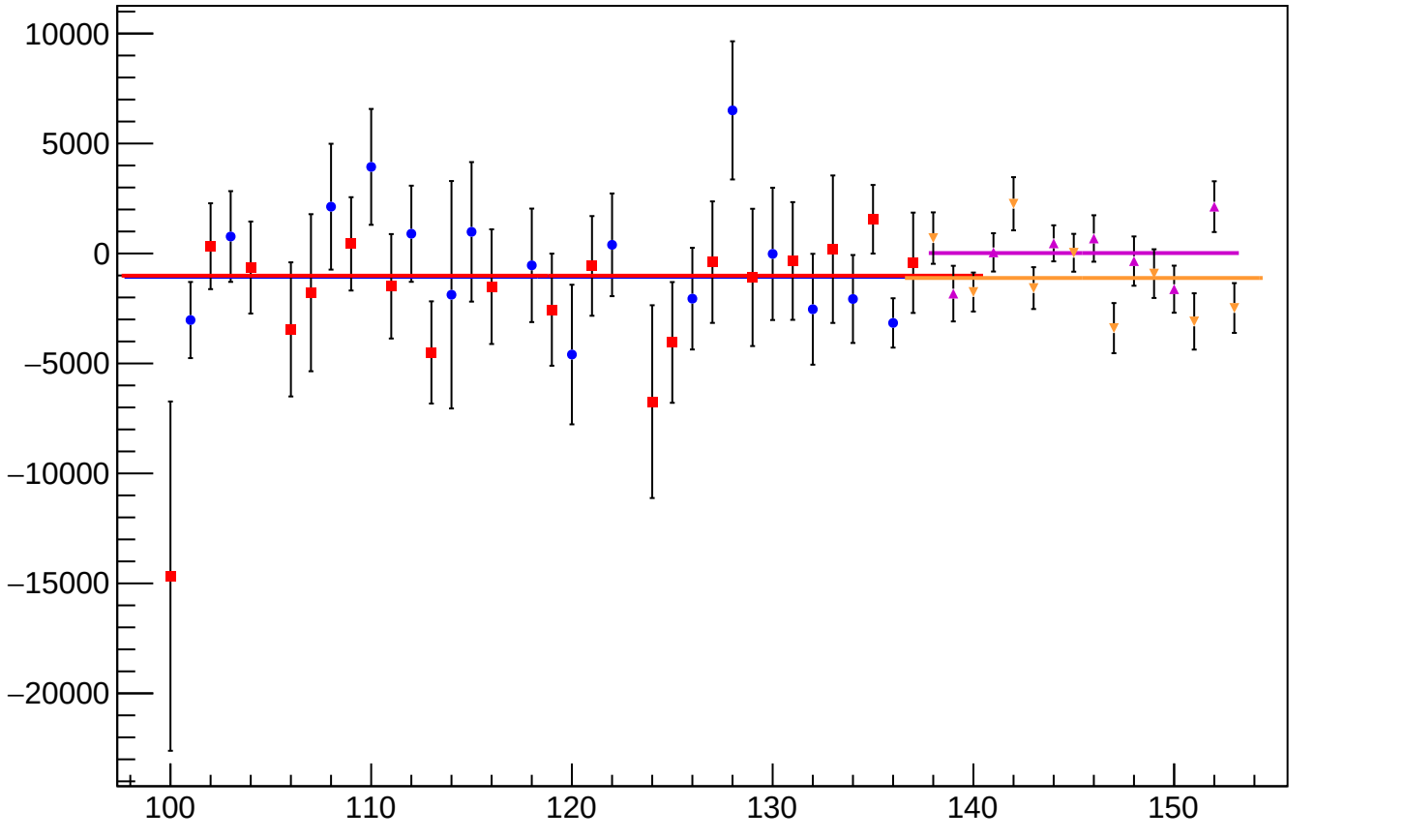
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 93.047+/-0.027 χ^2/NDF:51026.4/6

+ sign 97.344+/-0.018 χ^2/NDF: 615740.5/24

All: 98.174+/-0.013 χ^2/NDF: 1120572.6/50

- sign 99.078+/-0.019 χ^2/NDF: 500628.1/25



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1114.764+/-350.870 χ^2/NDF:20.6/8

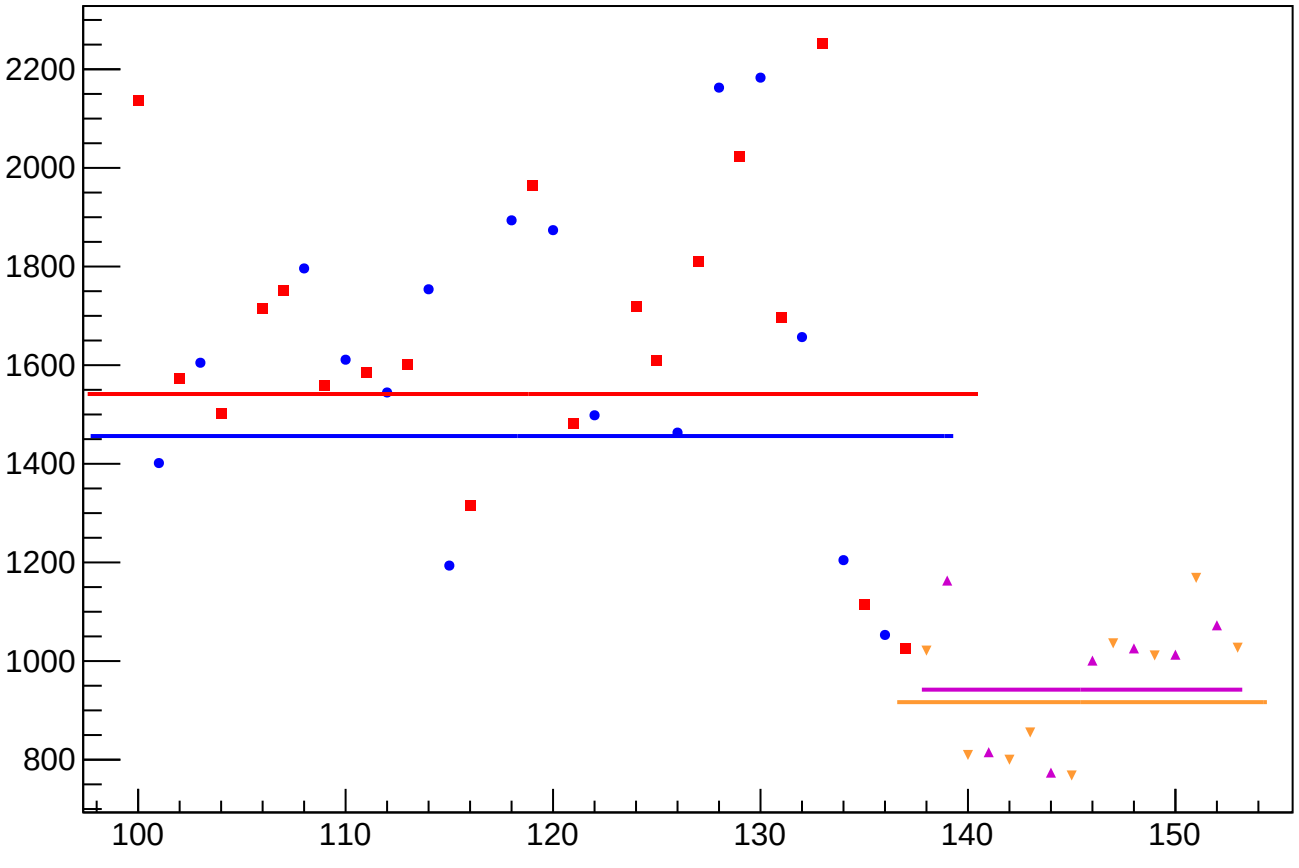
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 19.023+/-384.943 χ^2/NDF:8.6/6

+ sign -1099.049+/-296.975 χ^2/NDF: 40.6/24

All: -728.864+/-217.645 χ^2/NDF: 68.1/50

- sign -299.335+/-319.895 χ^2/NDF: 24.1/25



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 916.703+/-0.248 χ^2/NDF:265050.4/8

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

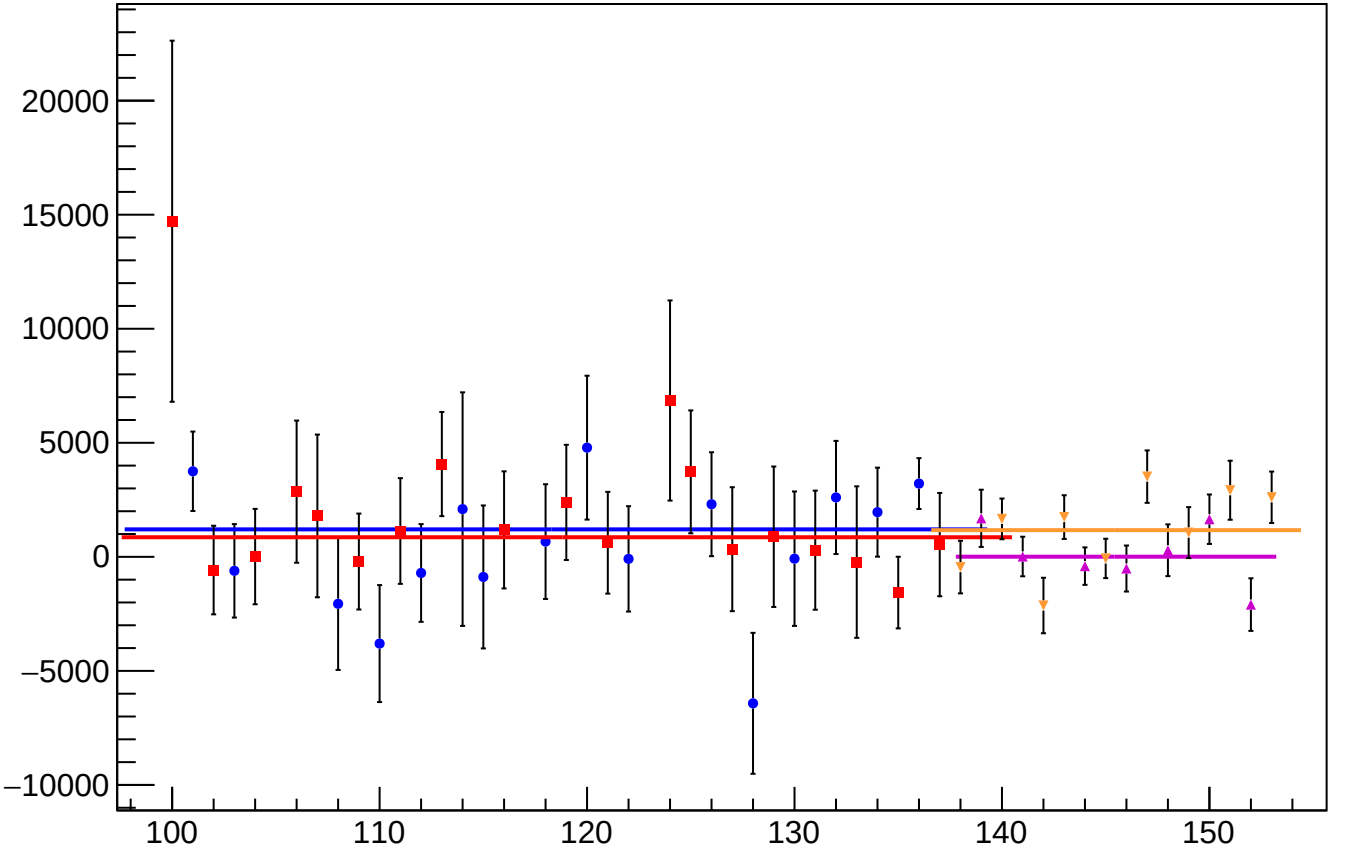
Left In: 942.017+/-0.272 χ^2/NDF:239560.1/6

+ sign 1069.740+/-0.210 χ^2/NDF: 2291394.3/24

All: 1096.480+/-0.154 χ^2/NDF: 4586213.1/50

- sign 1127.507+/-0.226 χ^2/NDF: 2259789.7/25

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1170.138+/-352.246 χ^2/NDF:19.7/8

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

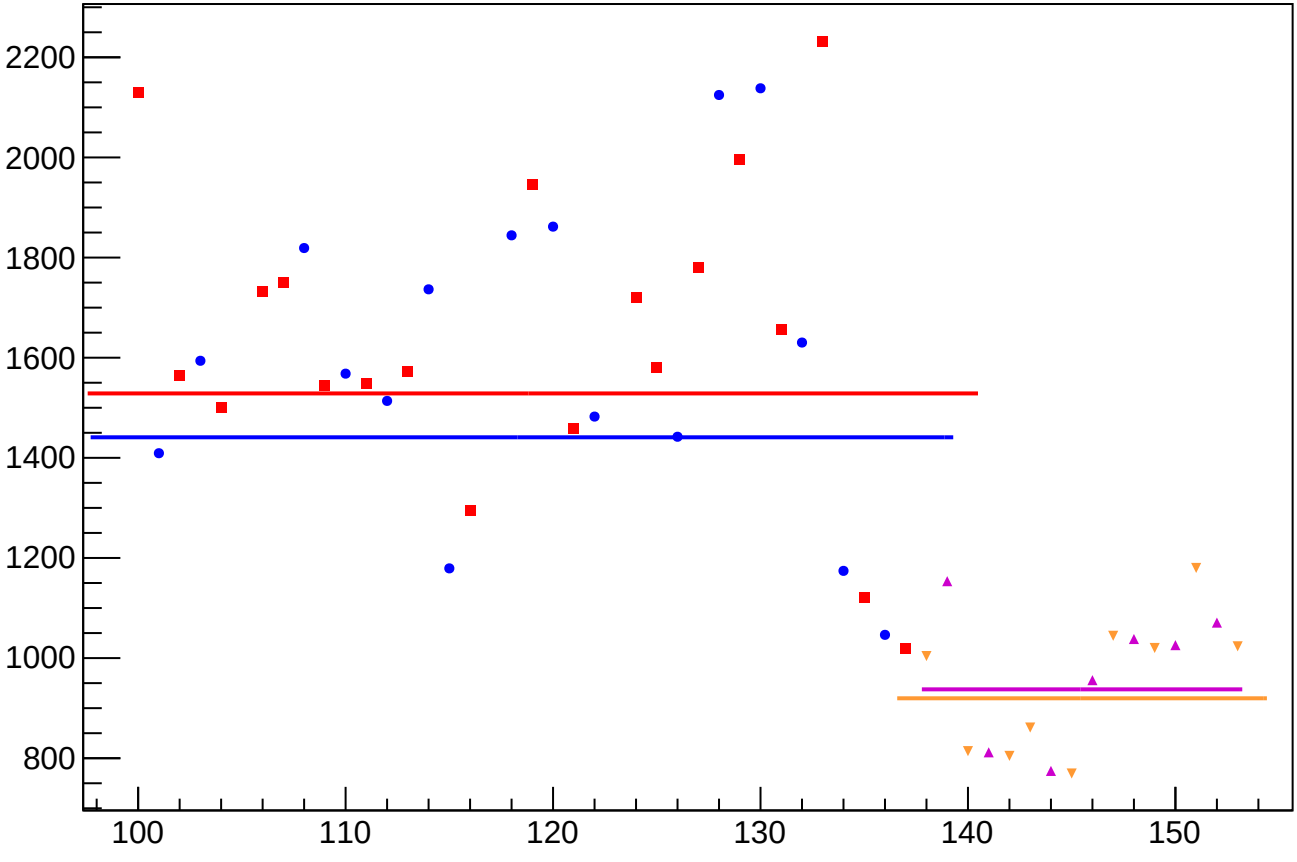
Left In: 6.071+/-383.203 χ^2/NDF:8.0/6

+ sign 1180.143+/-296.897 χ^2/NDF: 40.9/24

All: 757.048+/-217.042 χ^2/NDF: 67.3/50

- sign 271.410+/-318.085 χ^2/NDF: 22.0/25

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 919.710+/-0.249 χ^2/NDF:262359.9/8

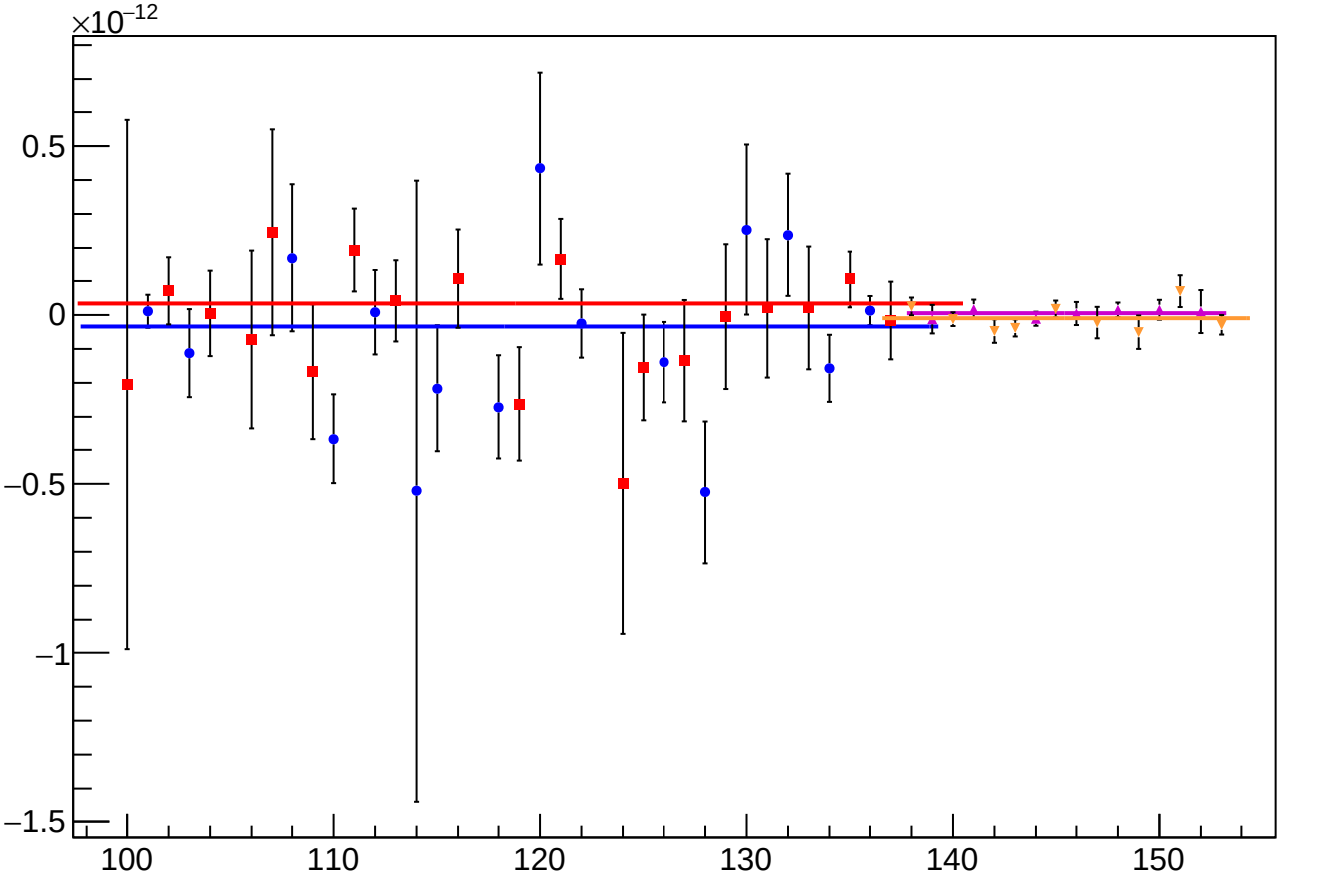
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 937.577+/-0.271 χ^2/NDF:236478.9/6

+ sign 1070.669+/-0.210 χ^2/NDF: 2201554.8/24

All: 1094.286+/-0.153 χ^2/NDF: 4446710.3/50

- sign 1121.393+/-0.225 χ^2/NDF: 2217976.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/8

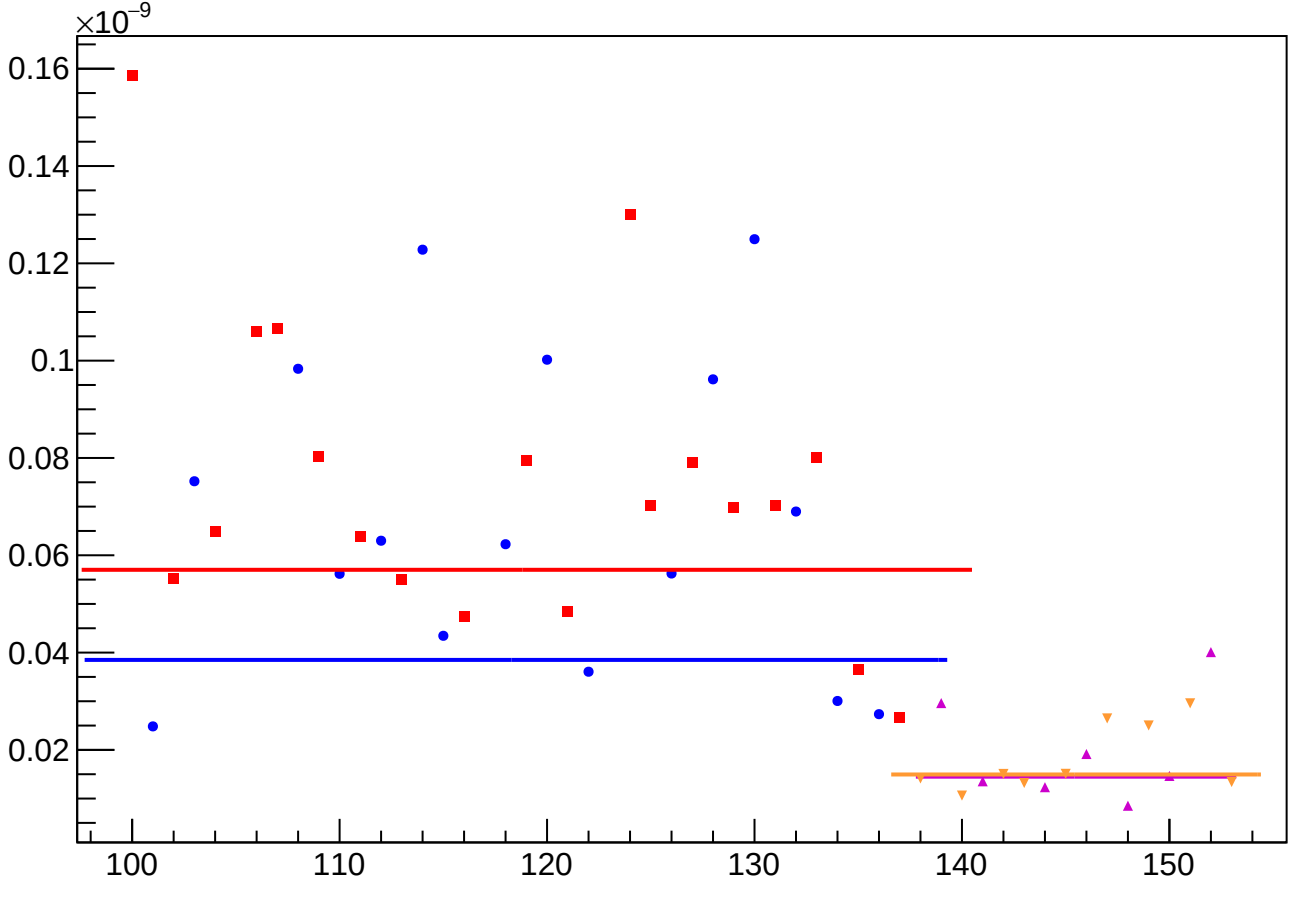
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/6

+ sign -0.000+/-0.000 χ^2/NDF: 37.9/24

All: -0.000+/-0.000 χ^2/NDF: 55.1/50

- sign 0.000+/-0.000 χ^2/NDF: 14.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:513085.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

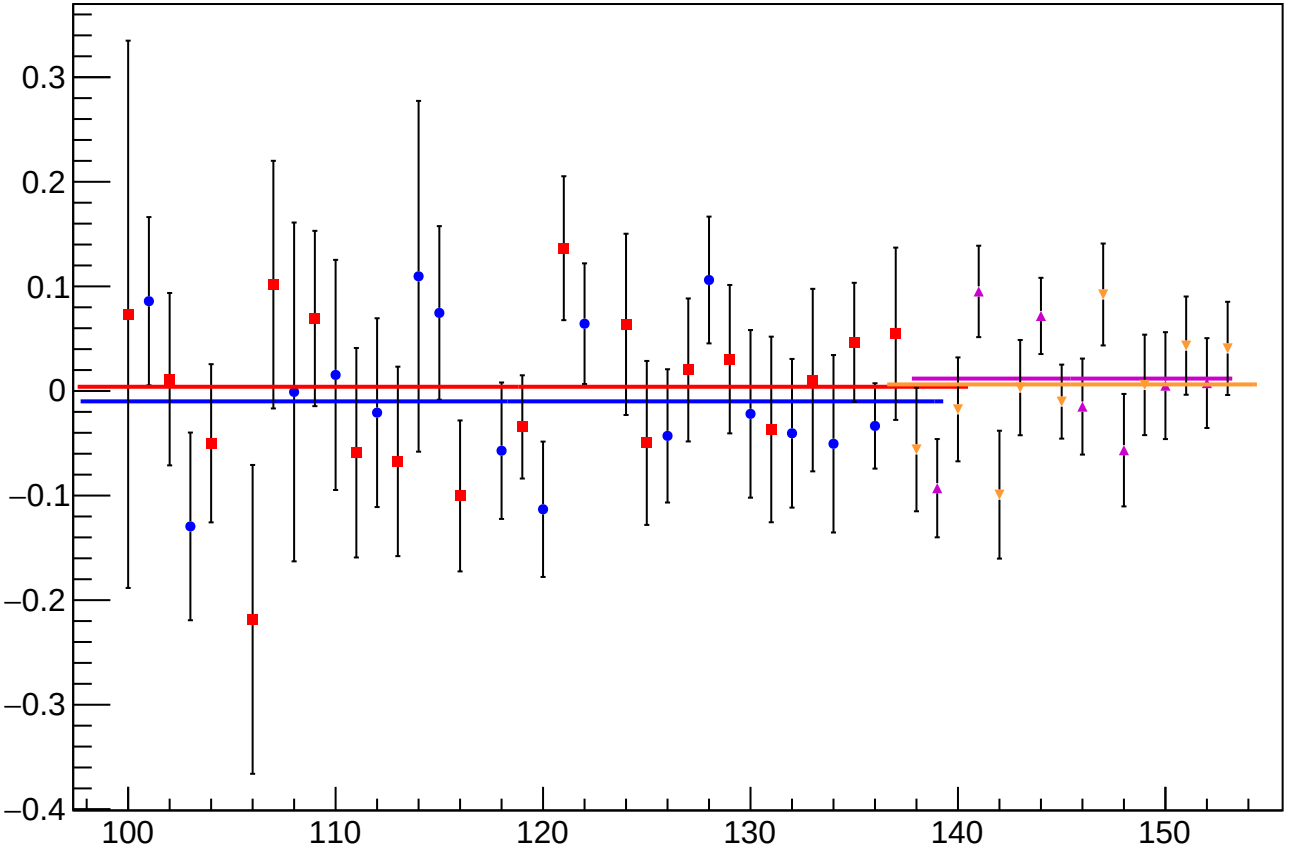
Left In: 0.000+/-0.000 χ^2/NDF:802706.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3430462.5/24

All: 0.000+/-0.000 χ^2/NDF: 7768354.6/50

- sign 0.000+/-0.000 χ^2/NDF: 4336297.7/25

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.016 χ^2/NDF:8.9/8

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

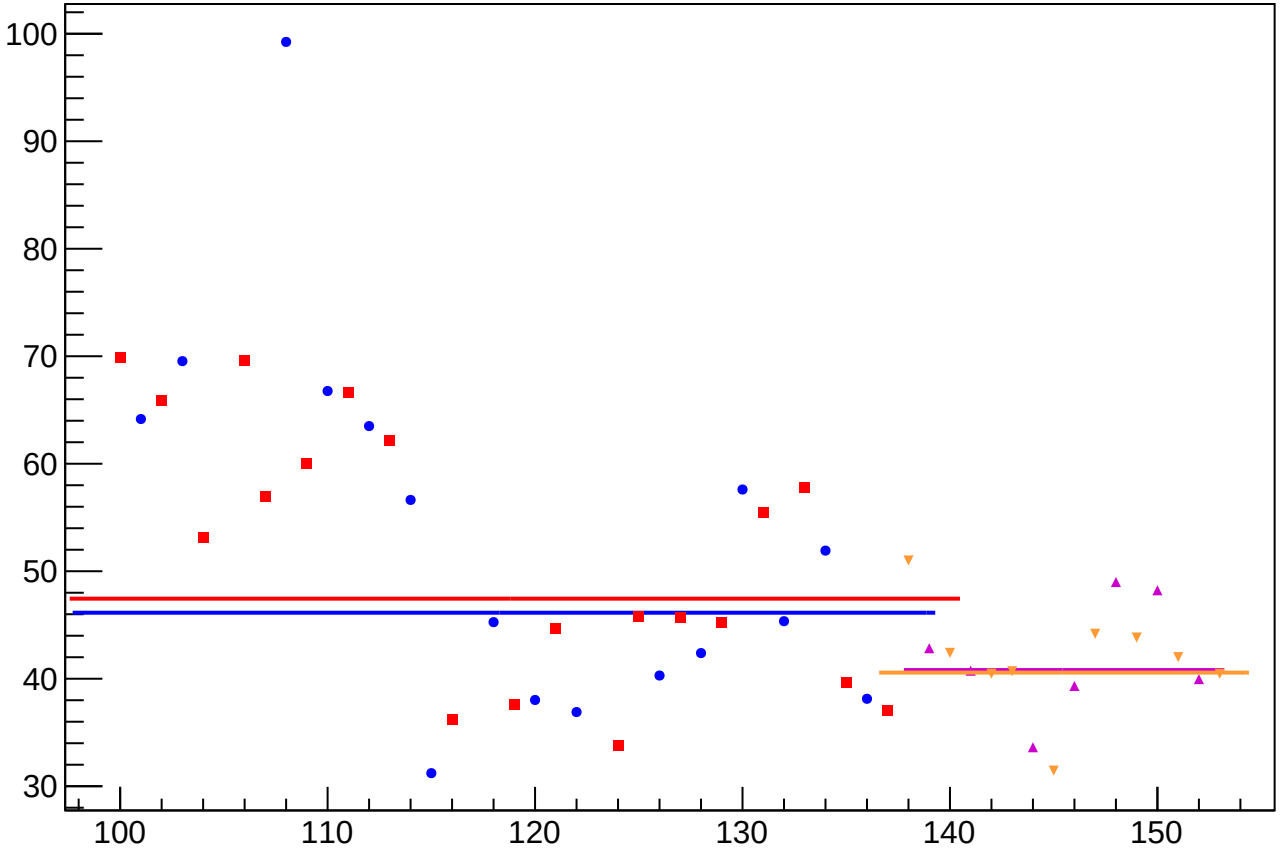
Left In: 0.012+/-0.017 χ^2/NDF:13.3/6

+ sign -0.001+/-0.012 χ^2/NDF: 23.6/24

All: 0.004+/-0.009 χ^2/NDF: 51.1/50

- sign 0.008+/-0.012 χ^2/NDF: 27.3/25

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.571+/-0.011 χ^2/NDF:219956.2/8

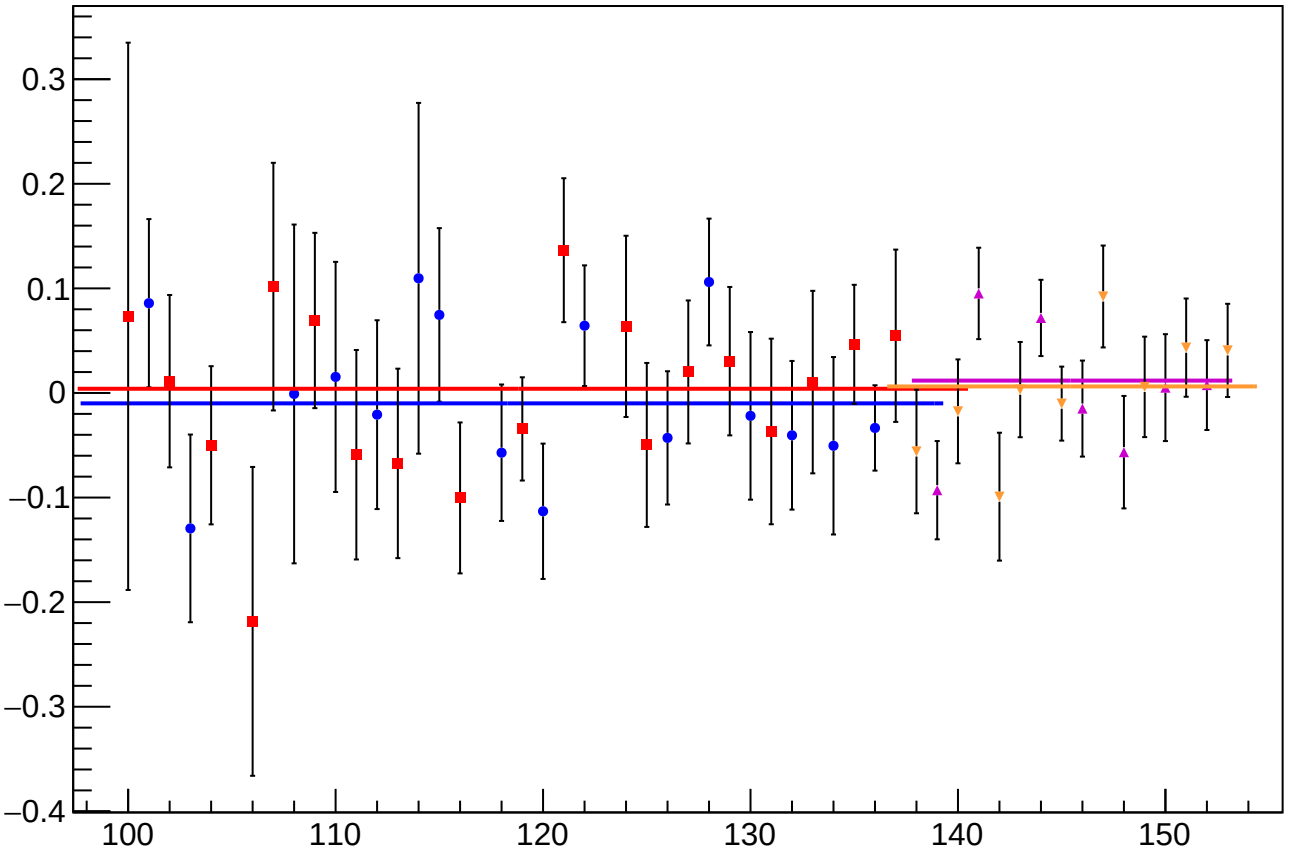
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.807+/-0.012 χ^2/NDF:172821.7/6

+ sign 42.981+/-0.008 χ^2/NDF: 1232000.1/24

All: 43.427+/-0.006 χ^2/NDF: 2208923.4/50

- sign 43.915+/-0.009 χ^2/NDF: 970971.1/25



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.016 χ^2/NDF:8.9/8

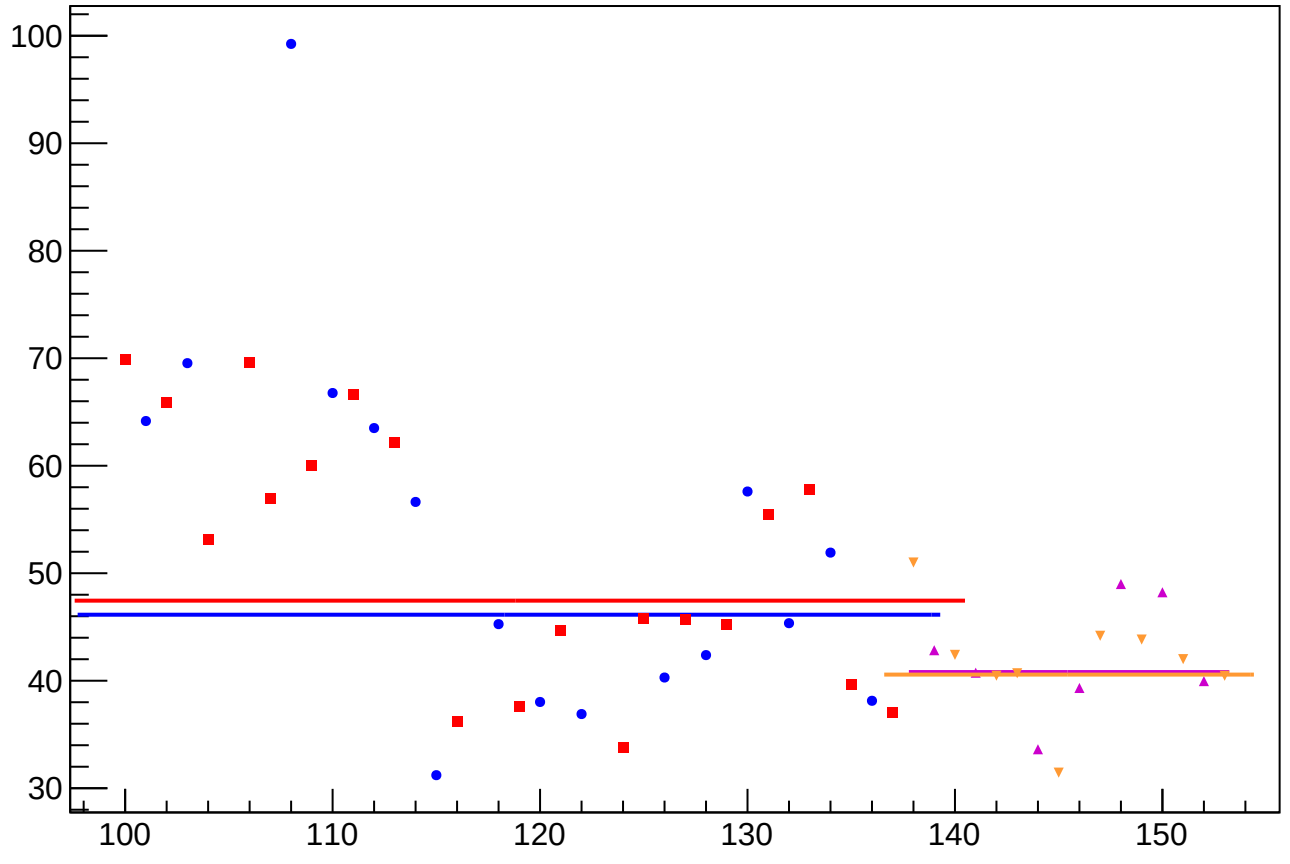
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.012+/-0.017 χ^2/NDF:13.3/6

+ sign -0.001+/-0.012 χ^2/NDF: 23.6/24

All: 0.004+/-0.009 χ^2/NDF: 51.1/50

- sign 0.008+/-0.012 χ^2/NDF: 27.3/25



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.571+/-0.011 χ^2/NDF:219956.2/8

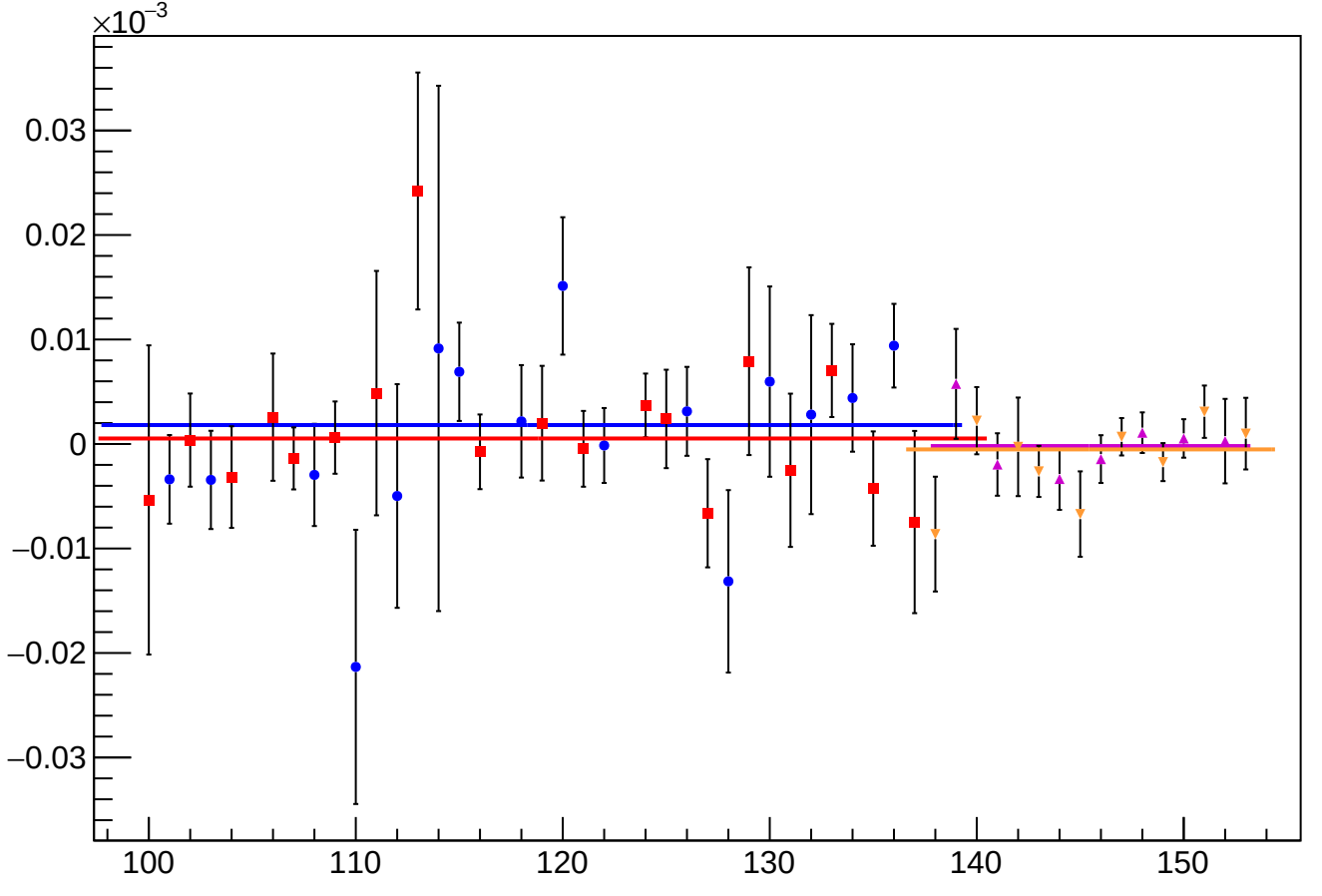
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.807+/-0.012 χ^2/NDF:172821.7/6

+ sign 42.981+/-0.008 χ^2/NDF: 1232000.1/24

All: 43.427+/-0.006 χ^2/NDF: 2208923.4/50

- sign 43.915+/-0.009 χ^2/NDF: 970971.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/8

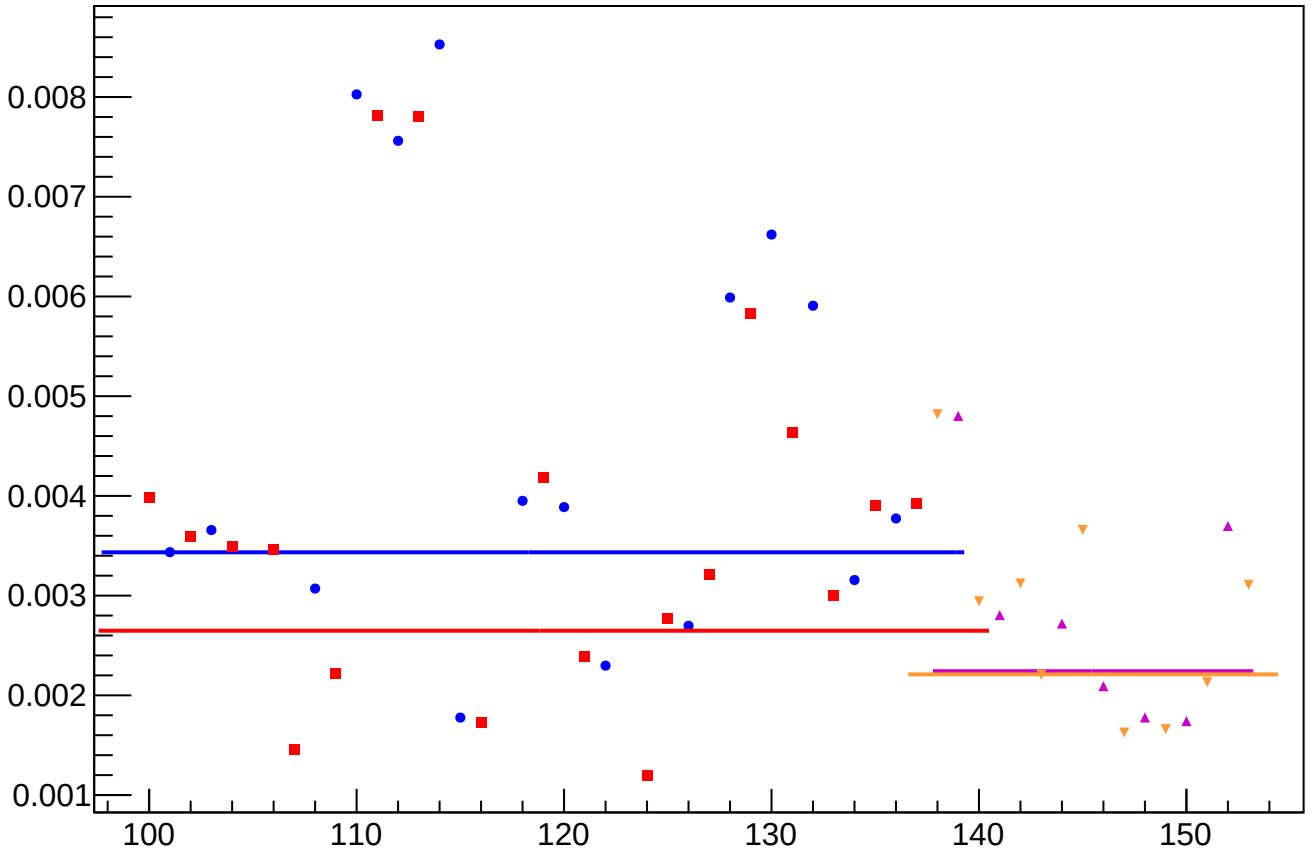
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 31.1/24

All: 0.000+/-0.000 χ^2/NDF: 48.8/50

- sign 0.000+/-0.000 χ^2/NDF: 17.7/25



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1415334.1/8

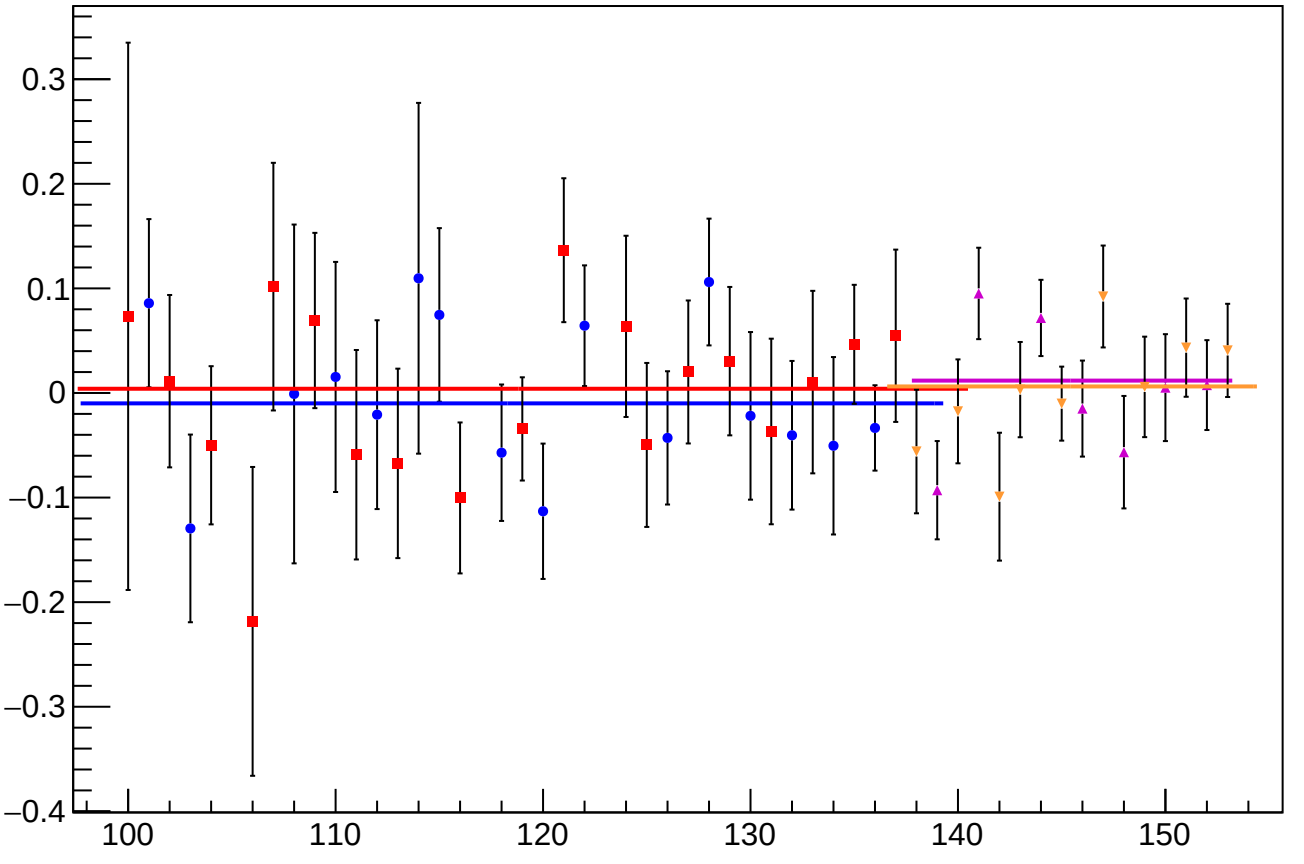
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1127097.8/6

+ sign 0.003+/-0.000 χ^2/NDF: 4284051.2/24

All: 0.002+/-0.000 χ^2/NDF: 8306574.3/50

- sign 0.002+/-0.000 χ^2/NDF: 3979507.9/25



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.016 χ^2/NDF:8.9/8

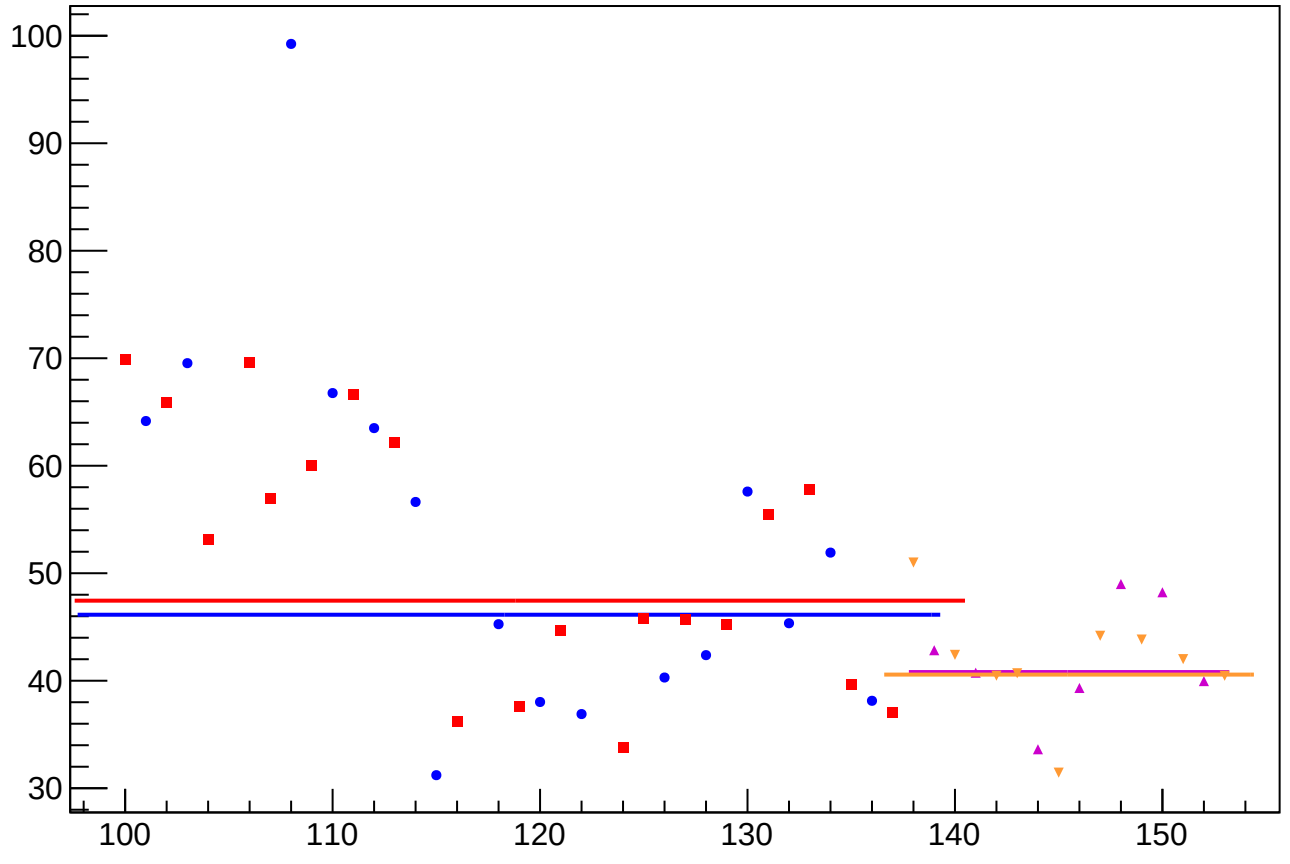
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.012+/-0.017 χ^2/NDF:13.3/6

+ sign -0.001+/-0.012 χ^2/NDF: 23.6/24

All: 0.004+/-0.009 χ^2/NDF: 51.1/50

- sign 0.008+/-0.012 χ^2/NDF: 27.3/25



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.571+/-0.011 χ^2/NDF:219955.5/8

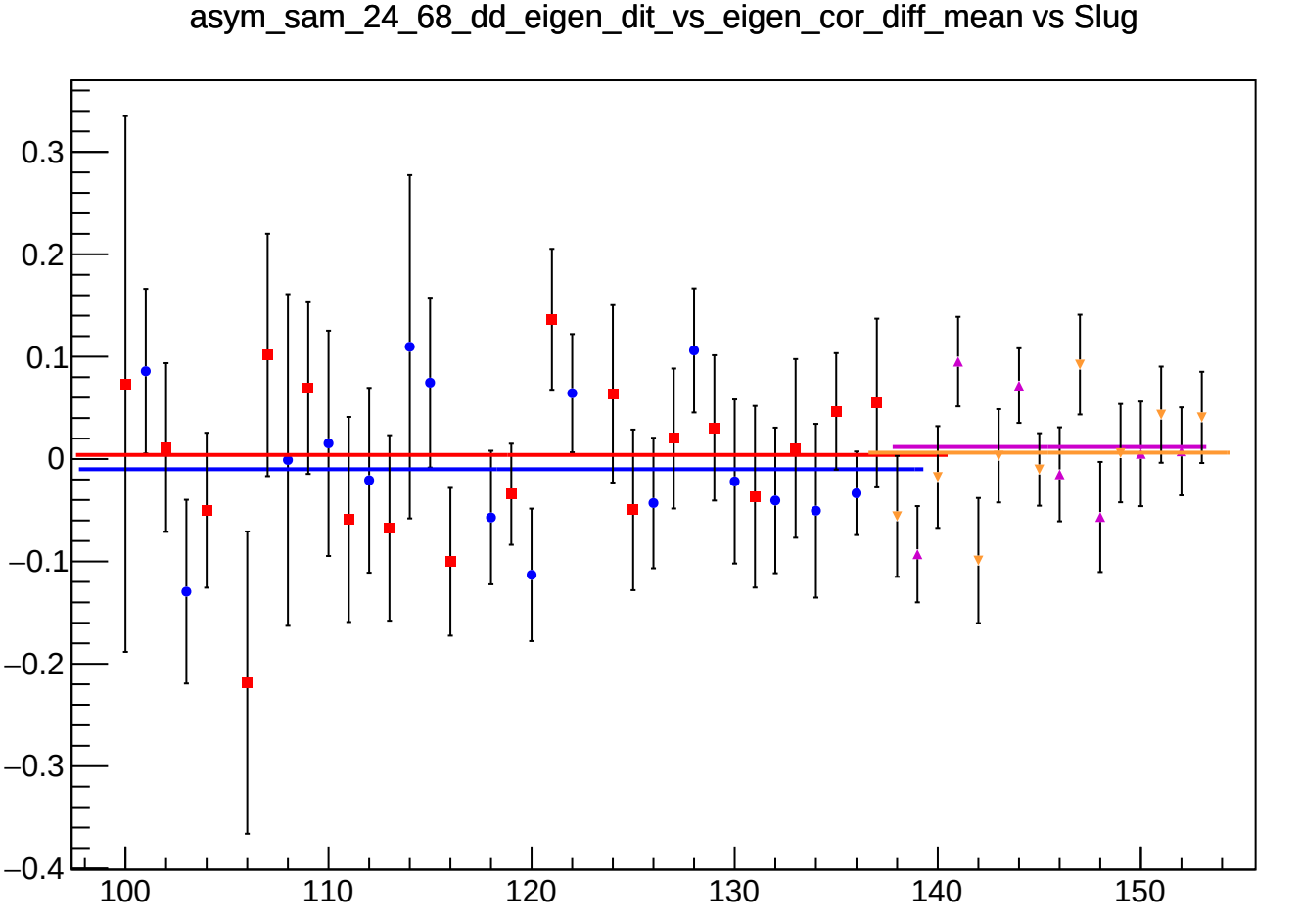
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.807+/-0.012 χ^2/NDF:172824.8/6

+ sign 42.980+/-0.008 χ^2/NDF: 1231903.9/24

All: 43.426+/-0.006 χ^2/NDF: 2208777.0/50

- sign 43.914+/-0.009 χ^2/NDF: 970921.5/25



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.016 χ^2/NDF:8.9/8

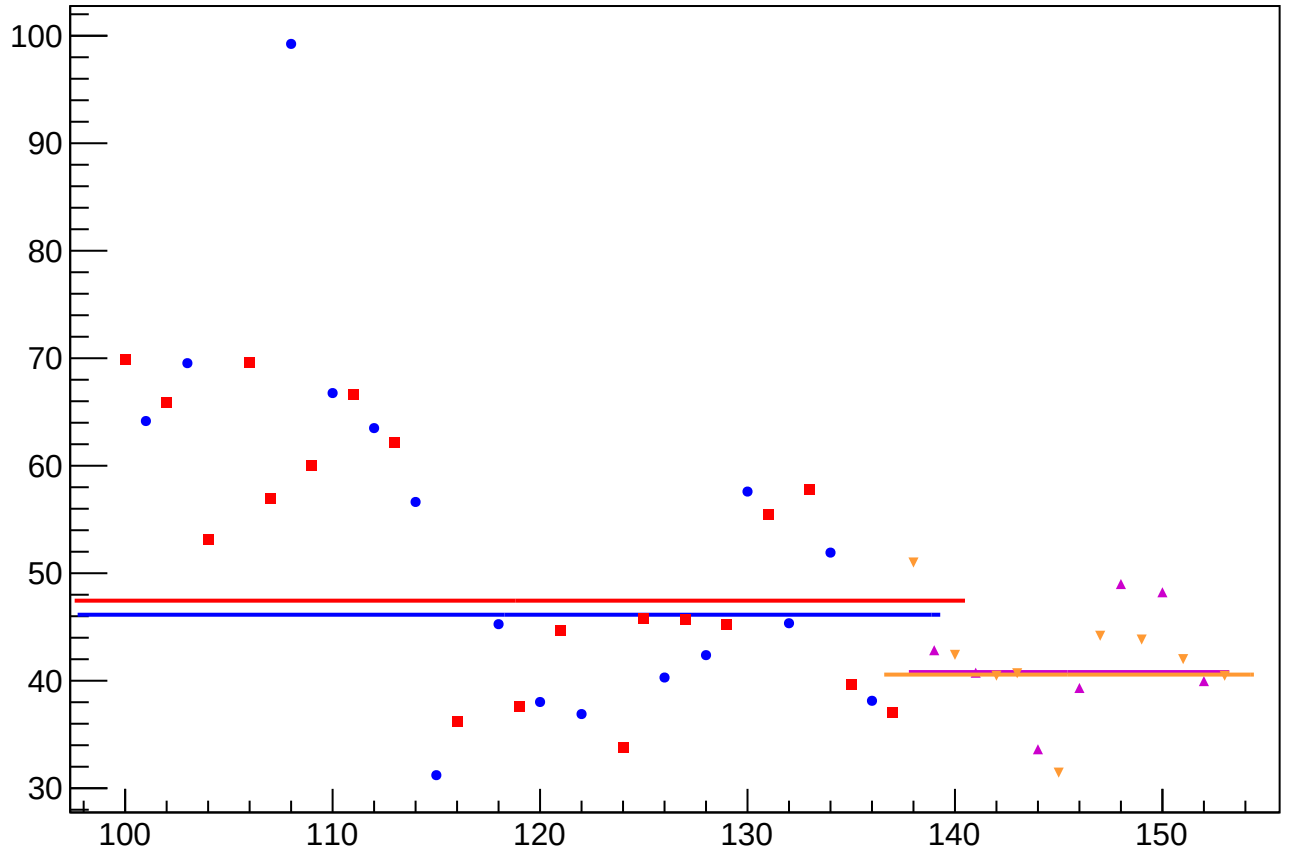
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.012+/-0.017 χ^2/NDF:13.3/6

+ sign -0.001+/-0.012 χ^2/NDF: 23.6/24

All: 0.004+/-0.009 χ^2/NDF: 51.1/50

- sign 0.008+/-0.012 χ^2/NDF: 27.3/25



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.571+/-0.011 χ^2/NDF:219955.5/8

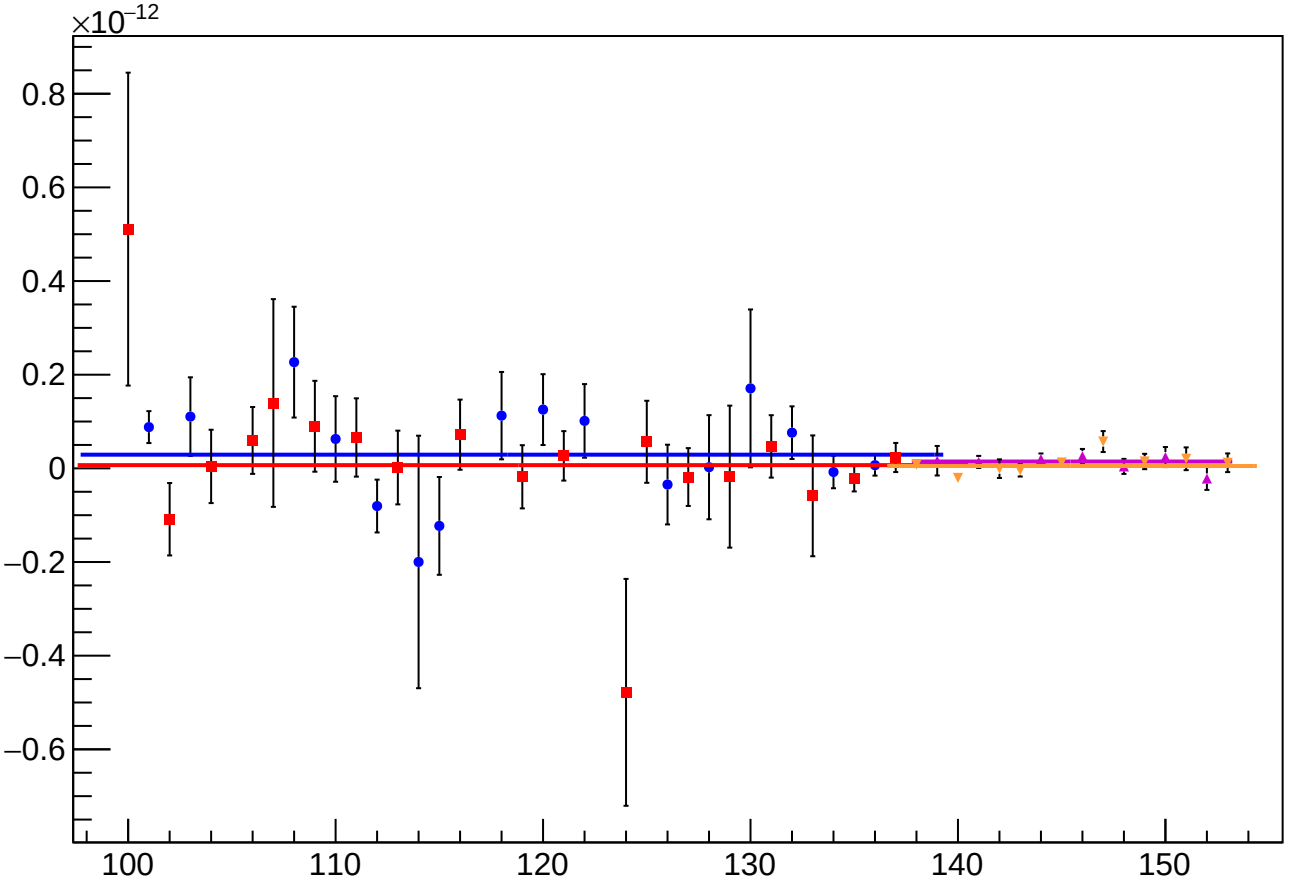
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.807+/-0.012 χ^2/NDF:172824.8/6

+ sign 42.980+/-0.008 χ^2/NDF: 1231903.9/24

All: 43.426+/-0.006 χ^2/NDF: 2208777.0/50

- sign 43.914+/-0.009 χ^2/NDF: 970921.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/8

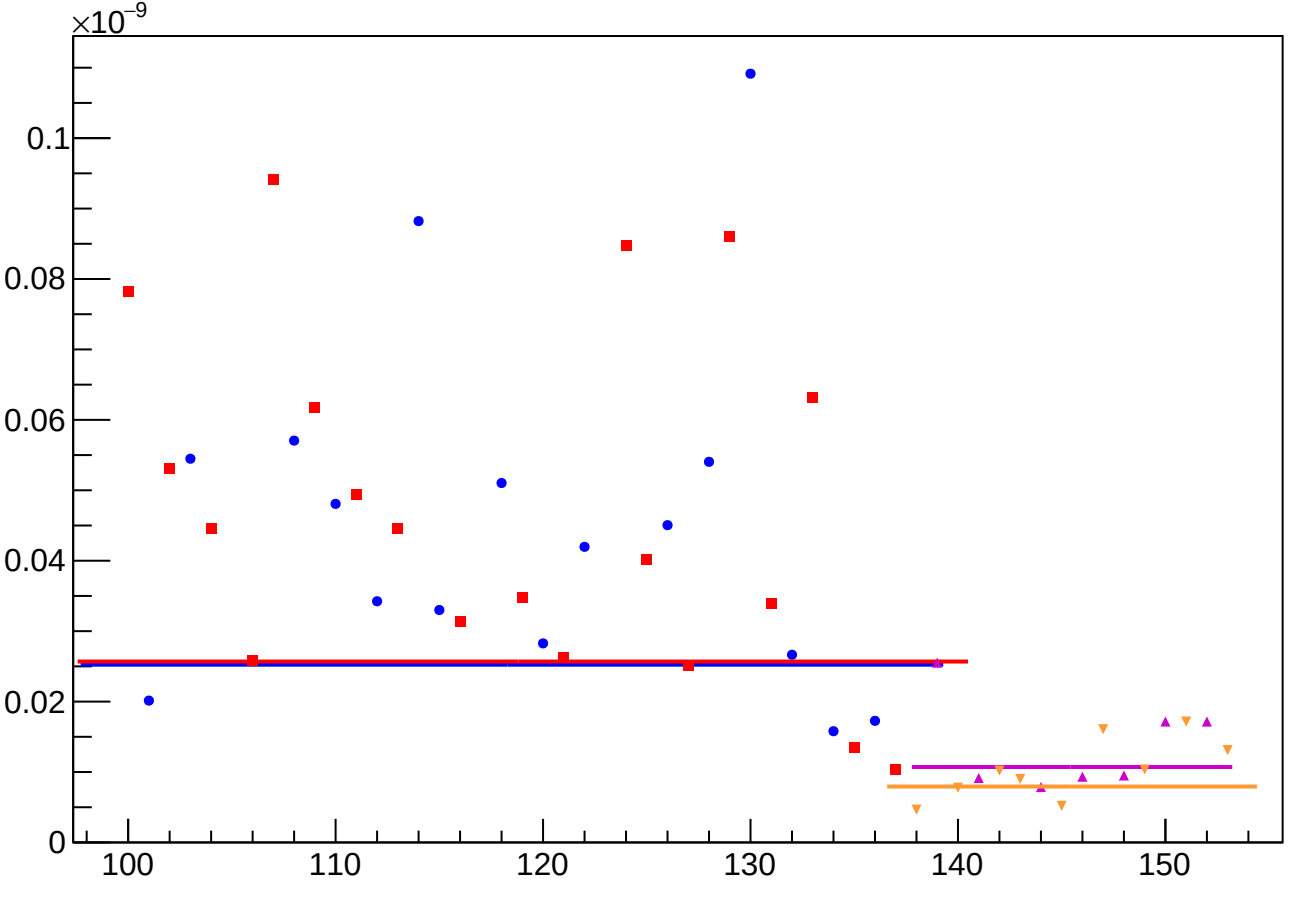
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/24

All: 0.000+/-0.000 χ^2/NDF: 55.9/50

- sign 0.000+/-0.000 χ^2/NDF: 18.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1160263.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

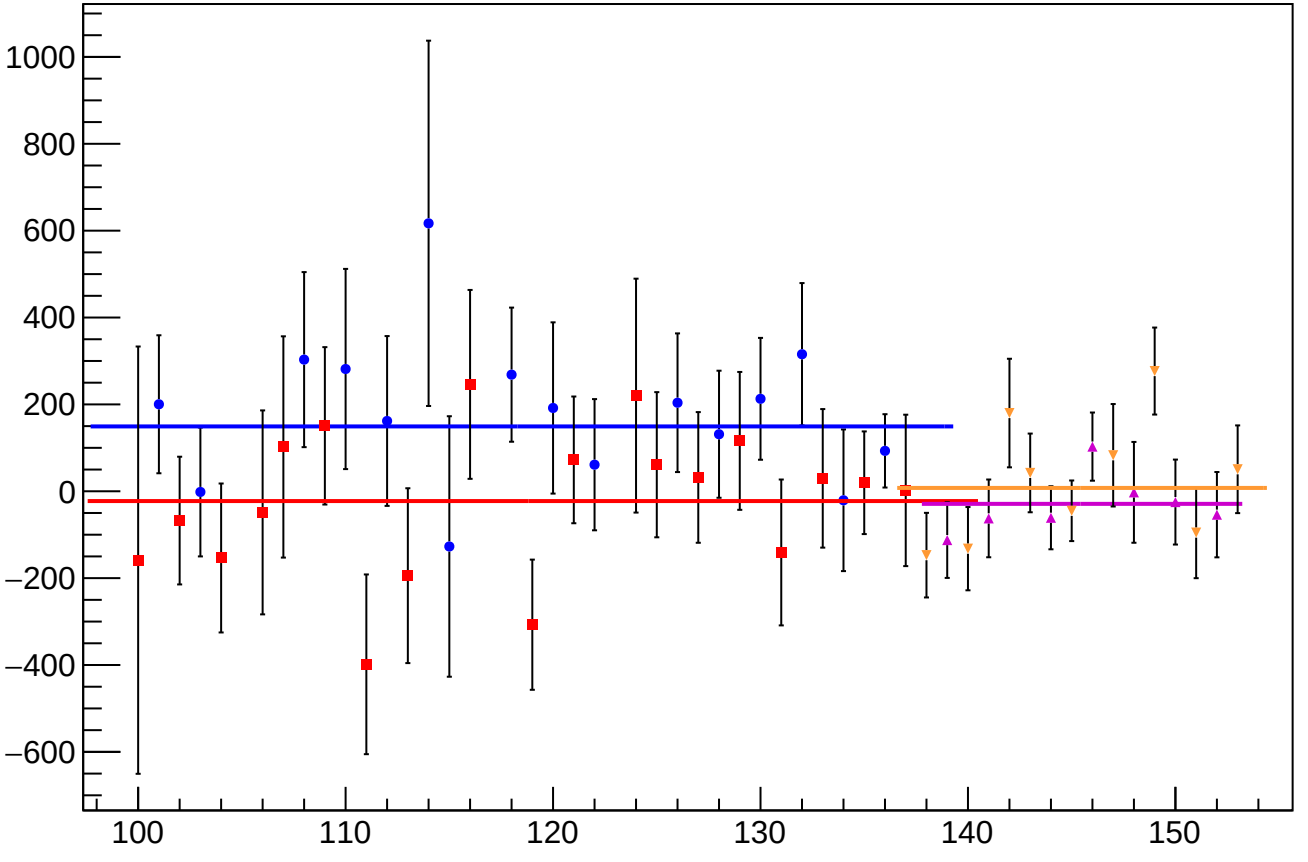
Left In: 0.000+/-0.000 χ^2/NDF:933407.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 6222132.7/24

All: 0.000+/-0.000 χ^2/NDF: 12230979.9/50

- sign 0.000+/-0.000 χ^2/NDF: 5561910.6/25

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: 7.696+/-32.175 χ^2/NDF:16.0/8

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

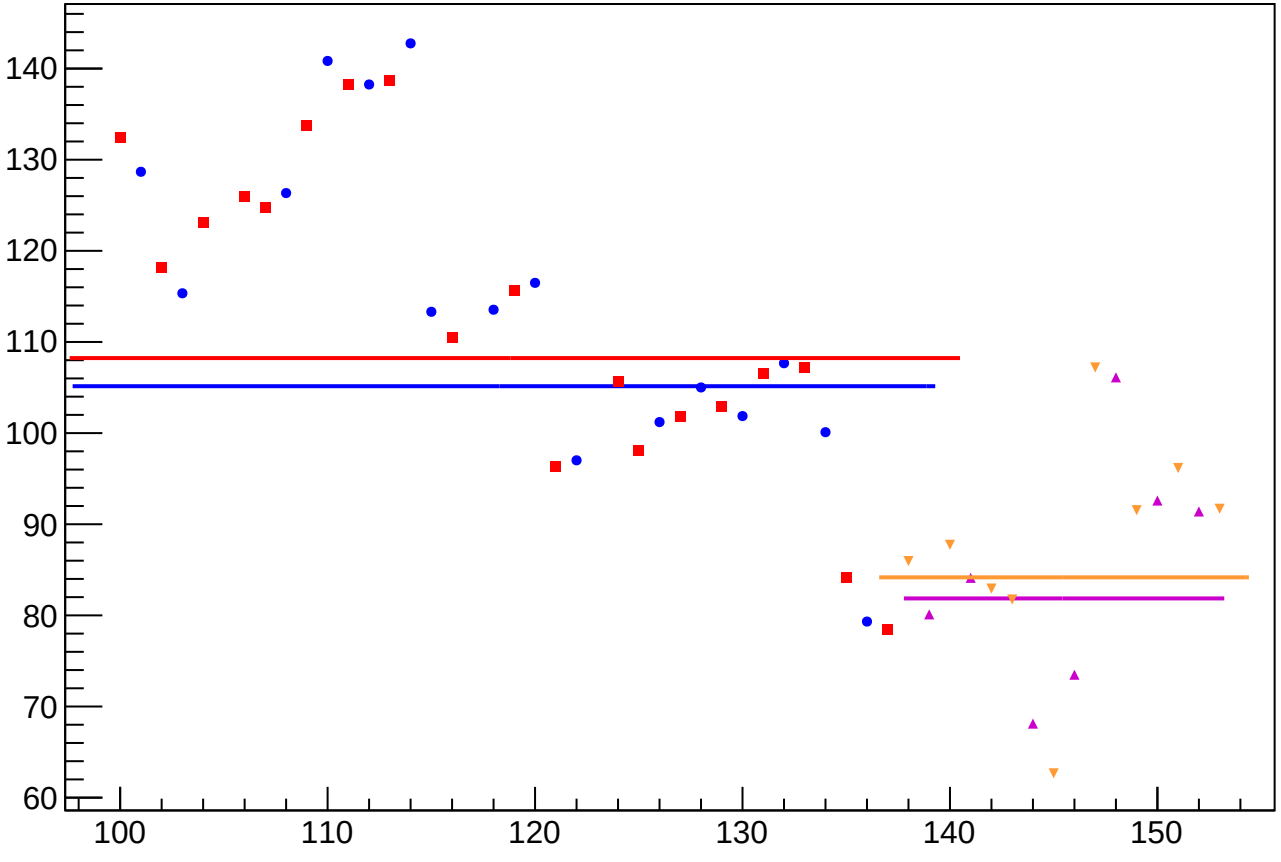
Left In: -28.993+/-33.503 χ^2/NDF:4.2/6

+ sign 63.857+/-24.993 χ^2/NDF: 31.7/24

All: 20.032+/-17.921 χ^2/NDF: 56.5/50

- sign -26.344+/-25.711 χ^2/NDF: 18.4/25

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 84.173+/-0.023 χ^2/NDF:319502.4/8

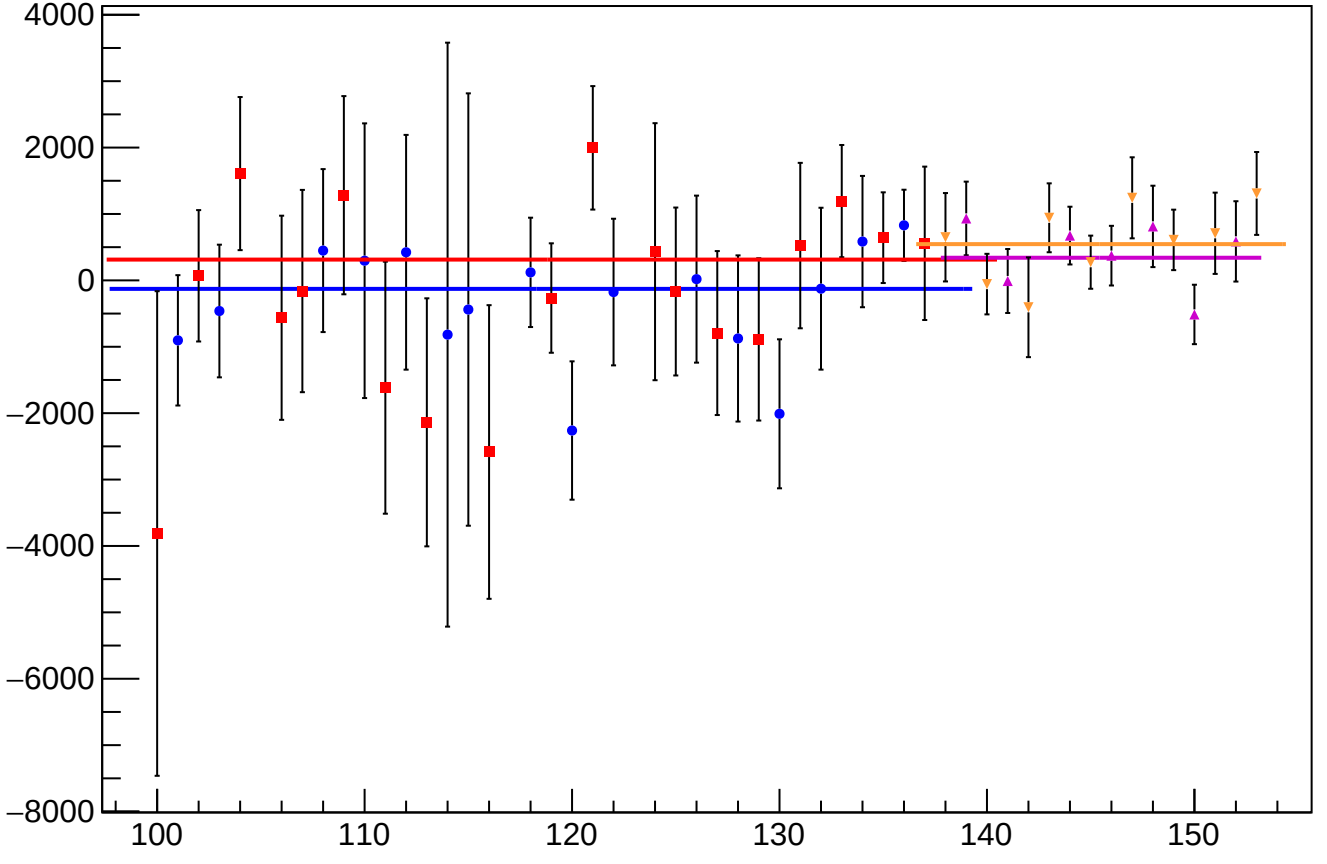
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 81.859+/-0.024 χ^2/NDF:226764.4/6

+ sign 92.491+/-0.018 χ^2/NDF: 1064936.0/24

All: 92.593+/-0.013 χ^2/NDF: 2151185.4/50

- sign 92.701+/-0.018 χ^2/NDF: 1086180.9/25



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 545.929+/-178.058 χ^2/NDF:7.3/8

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

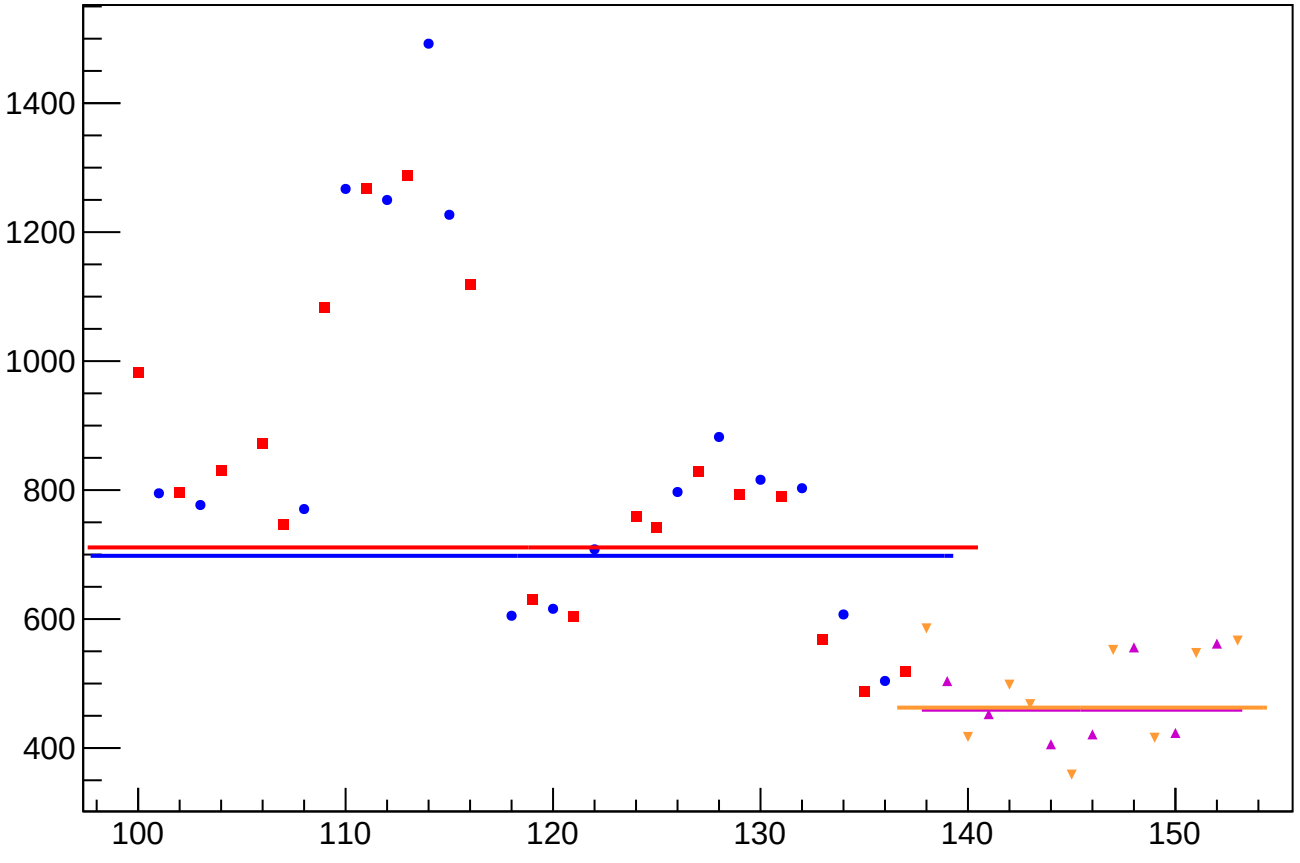
Left In: 340.761+/-188.350 χ^2/NDF:6.7/6

\+ sign 340.178+/-148.412 χ^2/NDF: 24.0/24

All: 336.105+/-107.031 χ^2/NDF: 45.7/50

\- sign 331.690+/-154.502 χ^2/NDF: 21.7/25

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 462.679+/-0.126 χ^2/NDF:385265.6/8

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

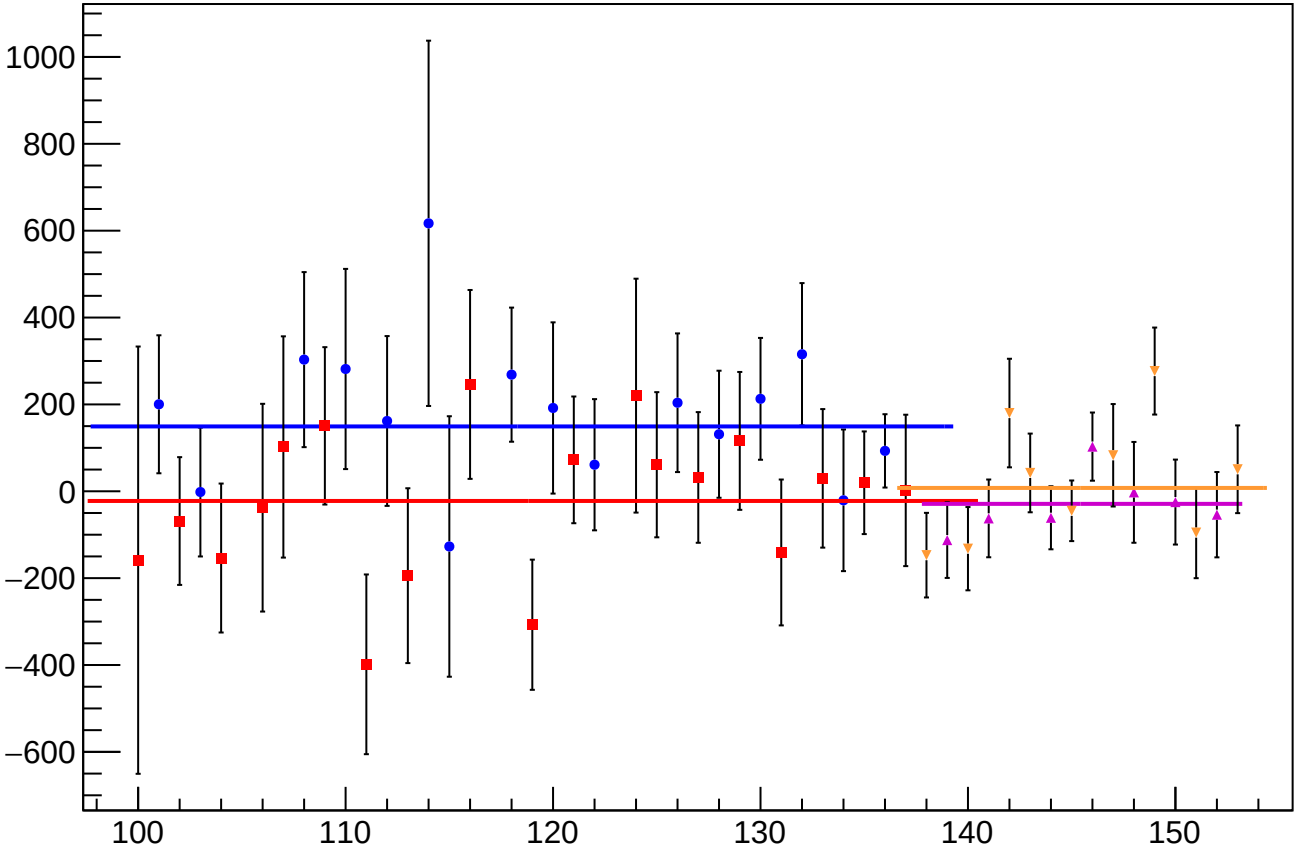
Left In: 459.427+/-0.133 χ^2/NDF:178186.7/6

+ sign 534.533+/-0.105 χ^2/NDF: 2365001.9/24

All: 537.998+/-0.076 χ^2/NDF: 4748583.1/50

- sign 541.752+/-0.109 χ^2/NDF: 2381310.2/25

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 7.692+/-32.175 χ^2/NDF:16.0/8

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

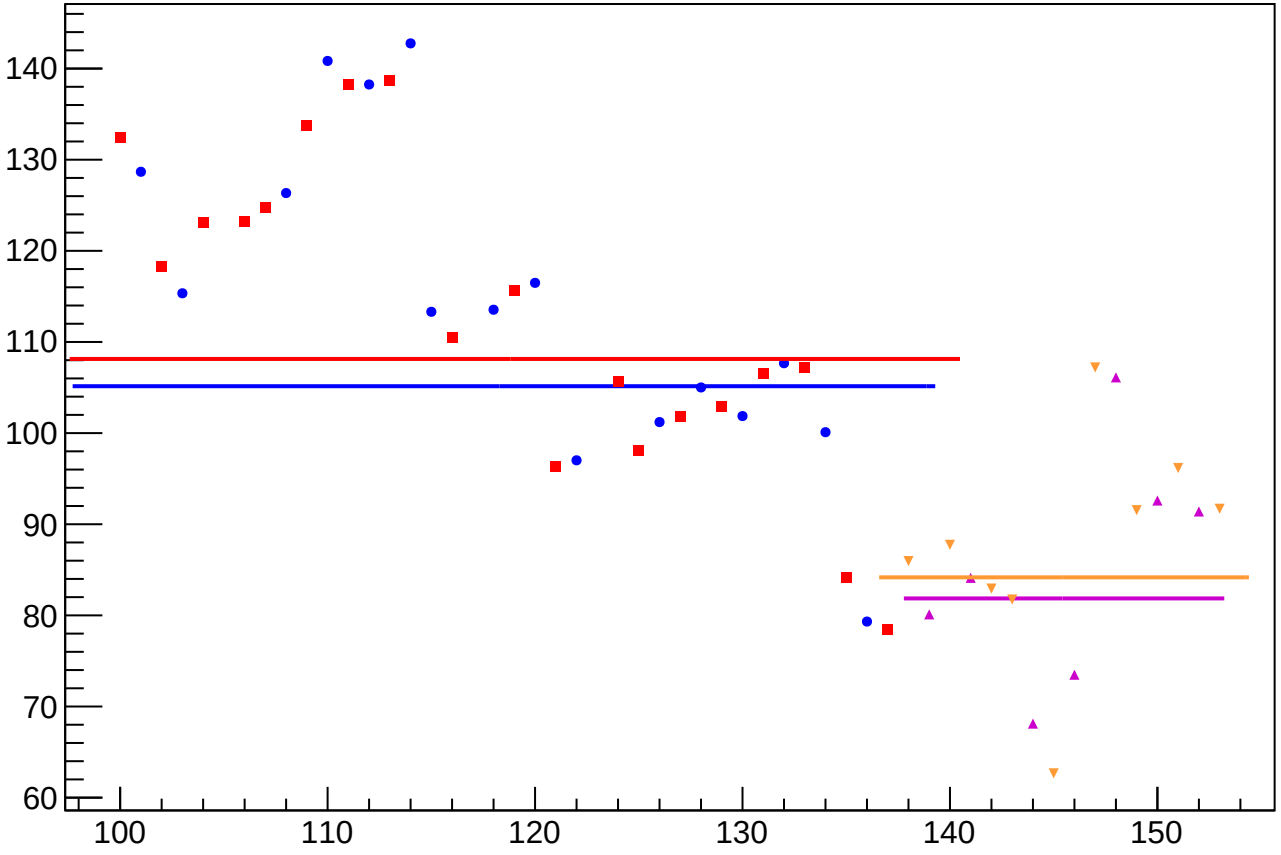
Left In: -28.991+/-33.503 χ^2/NDF:4.2/6

+ sign 63.851+/-24.993 χ^2/NDF: 31.7/24

All: 20.089+/-17.923 χ^2/NDF: 56.5/50

- sign -26.241+/-25.716 χ^2/NDF: 18.4/25

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.173+/-0.023 χ^2/NDF:319502.4/8

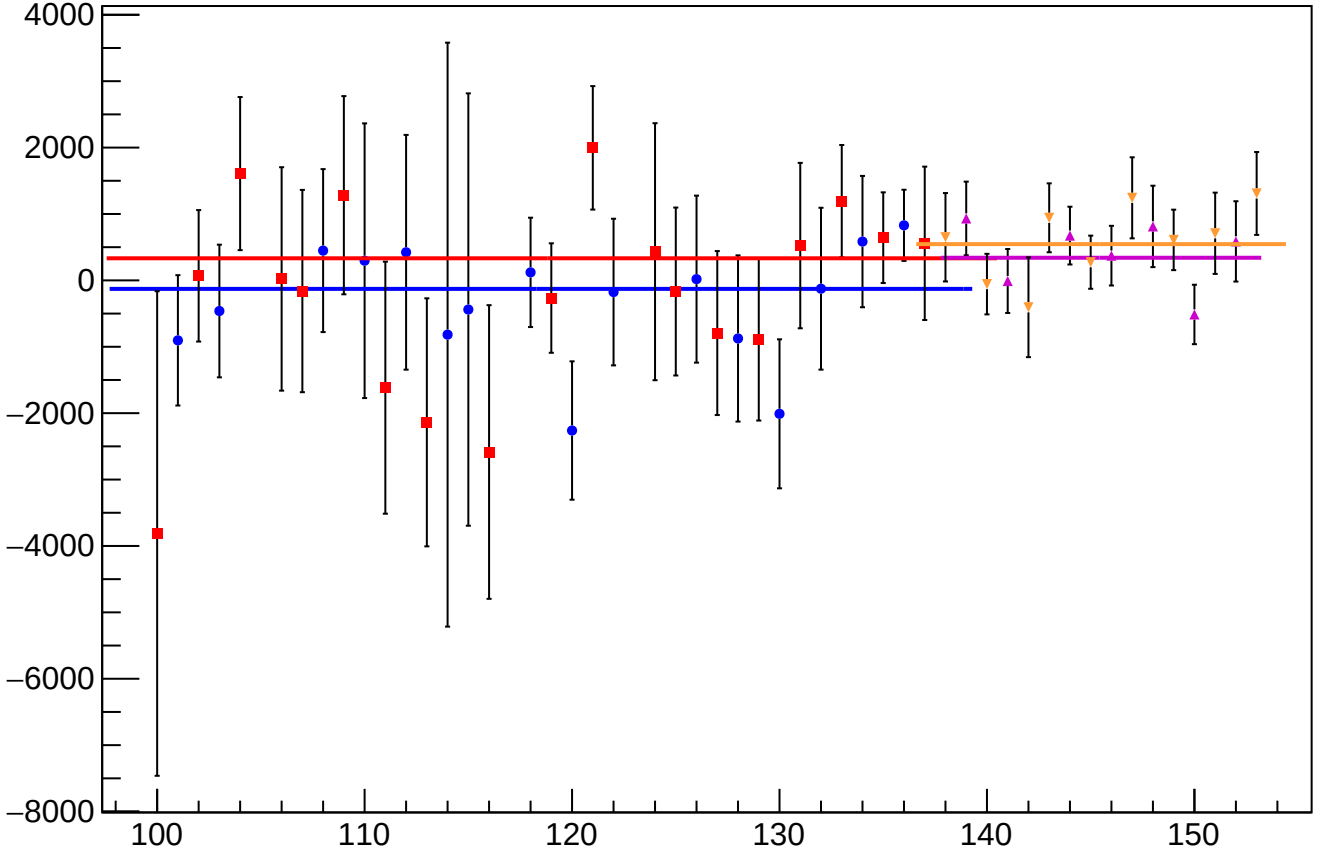
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 81.859+/-0.024 χ^2/NDF:226764.4/6

\+ sign 92.491+/-0.018 χ^2/NDF: 1064936.3/24

All: 92.570+/-0.013 χ^2/NDF: 2143499.2/50

\- sign 92.654+/-0.018 χ^2/NDF: 1078521.5/25



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 545.929+/-178.058 χ^2/NDF:7.3/8

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

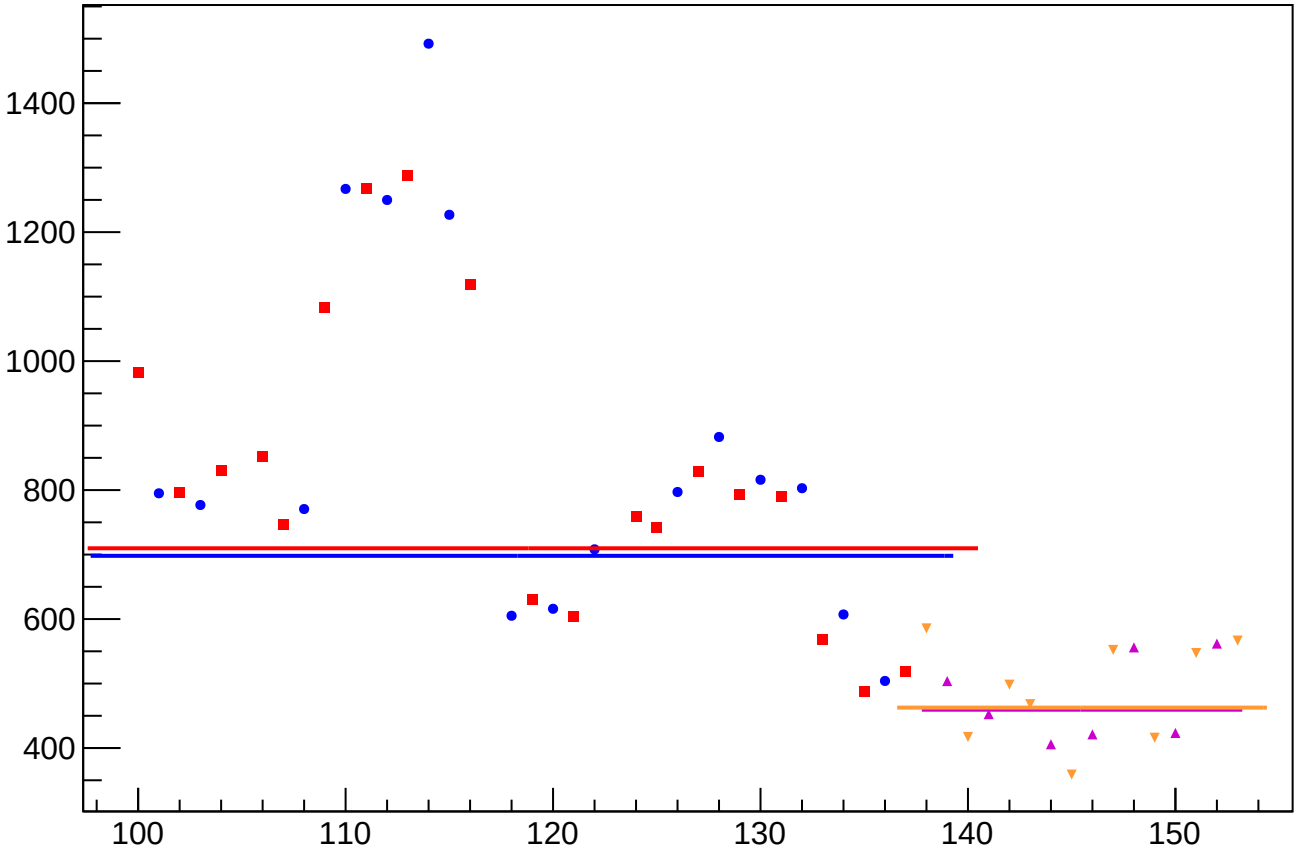
Left In: 340.761+/-188.350 χ^2/NDF:6.7/6

+ sign 340.182+/-148.412 χ^2/NDF: 24.0/24

All: 339.194+/-107.075 χ^2/NDF: 45.3/50

- sign 338.122+/-154.633 χ^2/NDF: 21.4/25

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 462.679+/-0.126 χ^2/NDF:385267.0/8

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

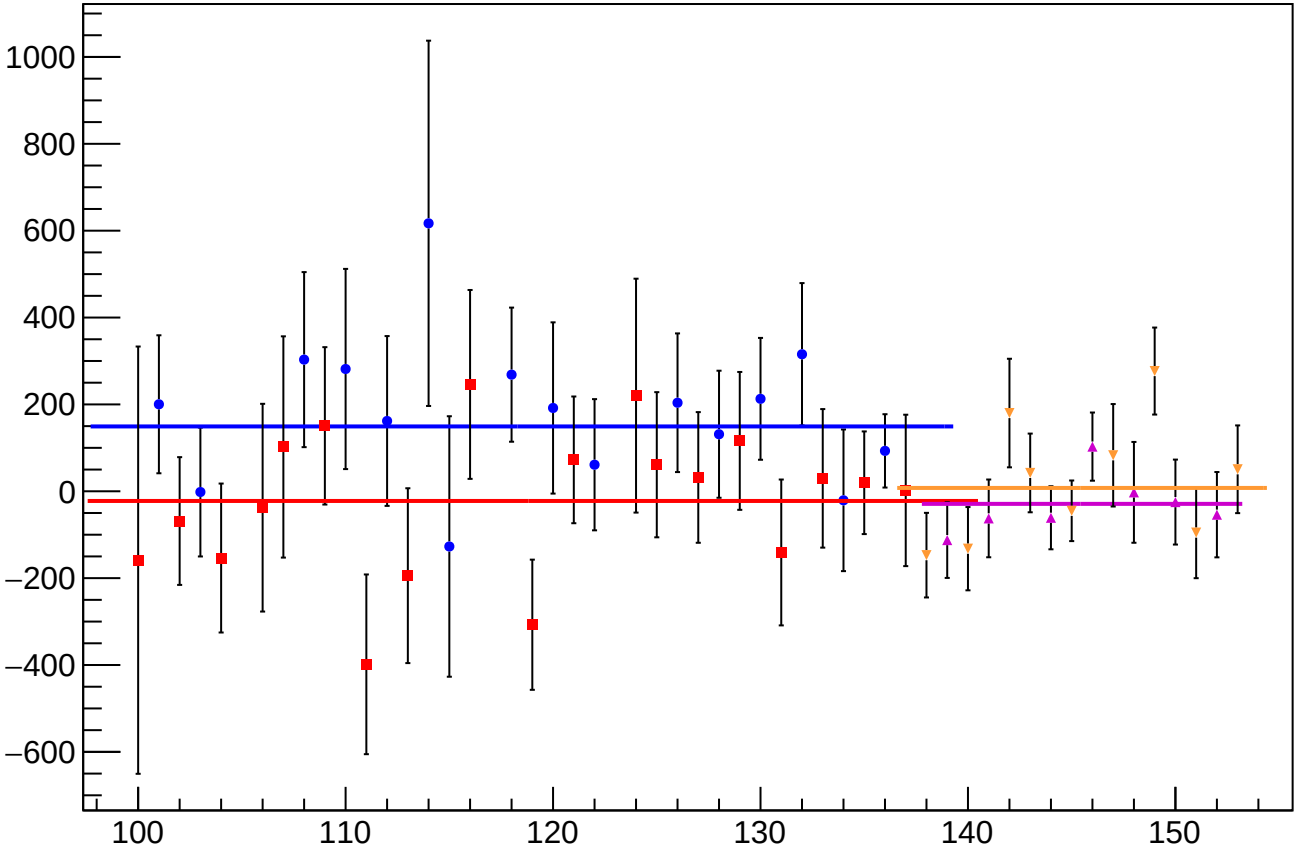
Left In: 459.427+/-0.133 χ^2/NDF:178185.3/6

+ sign 534.533+/-0.105 χ^2/NDF: 2365015.3/24

All: 537.647+/-0.076 χ^2/NDF: 4723709.1/50

- sign 541.027+/-0.109 χ^2/NDF: 2356857.7/25

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 7.692+/-32.175 χ^2/NDF:16.0/8

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

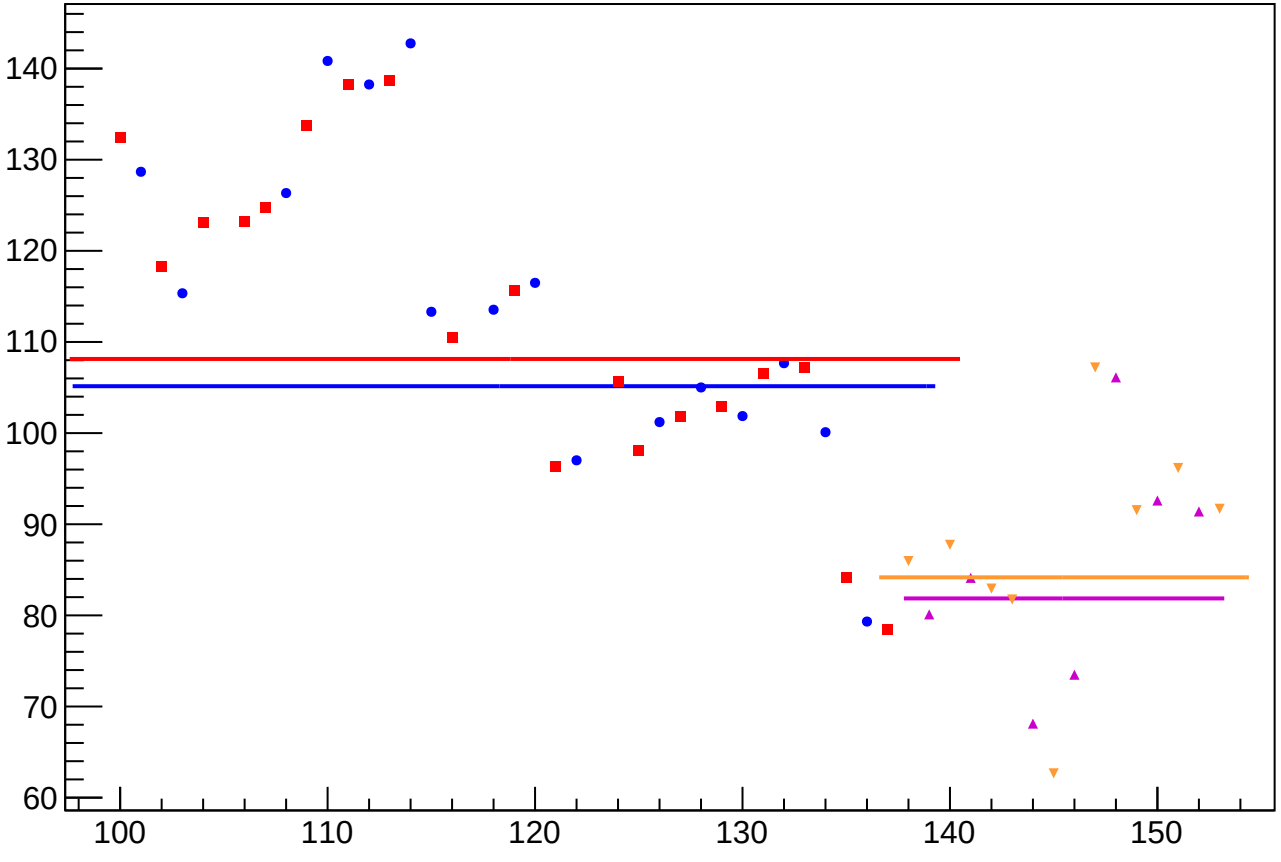
Left In: -28.991+/-33.503 χ^2/NDF:4.2/6

+ sign 63.851+/-24.993 χ^2/NDF: 31.7/24

All: 20.089+/-17.923 χ^2/NDF: 56.5/50

- sign -26.241+/-25.716 χ^2/NDF: 18.4/25

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.173+/-0.023 χ^2/NDF:319502.4/8

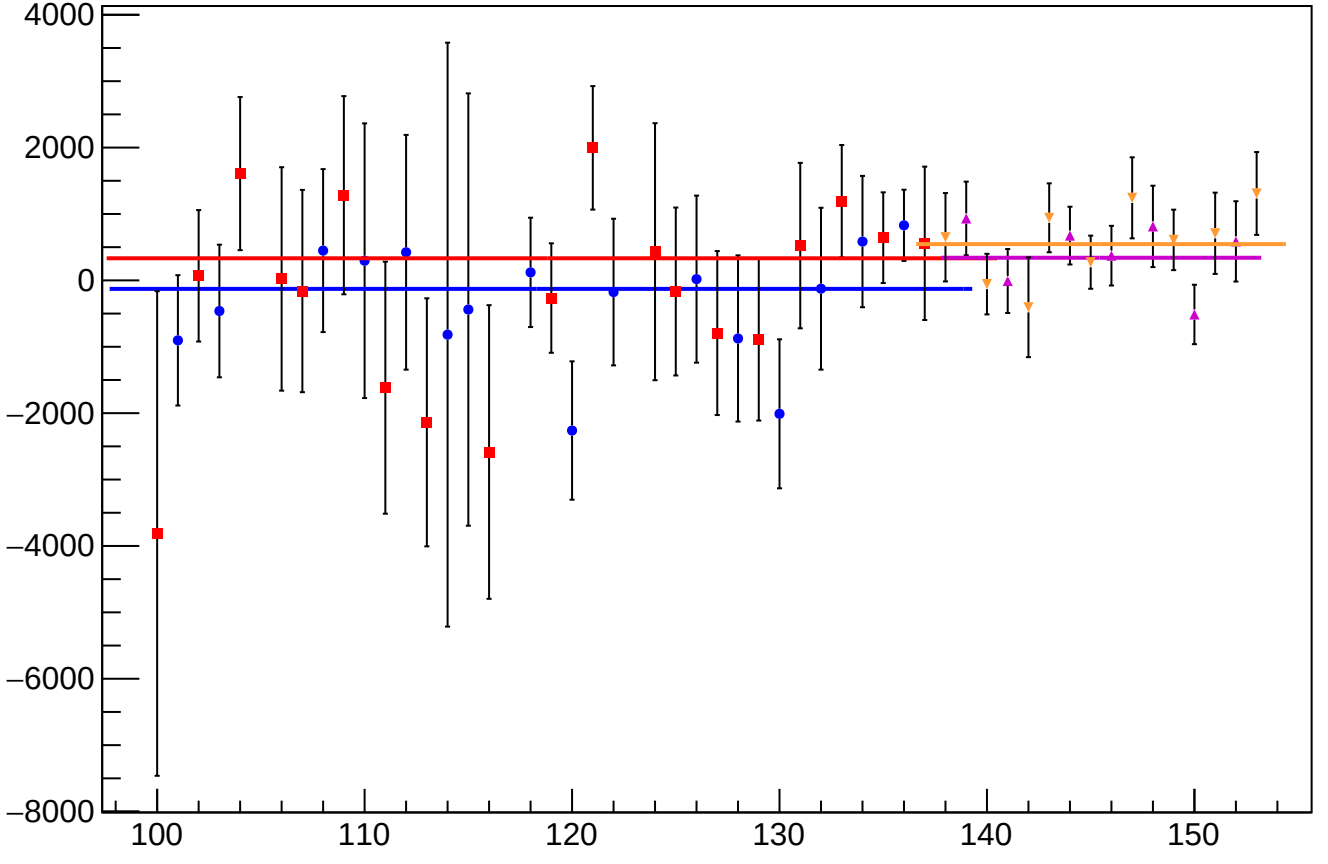
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 81.859+/-0.024 χ^2/NDF:226764.4/6

+ sign 92.491+/-0.018 χ^2/NDF: 1064936.3/24

All: 92.570+/-0.013 χ^2/NDF: 2143499.2/50

- sign 92.654+/-0.018 χ^2/NDF: 1078521.5/25



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 545.929+/-178.058 χ^2/NDF:7.3/8

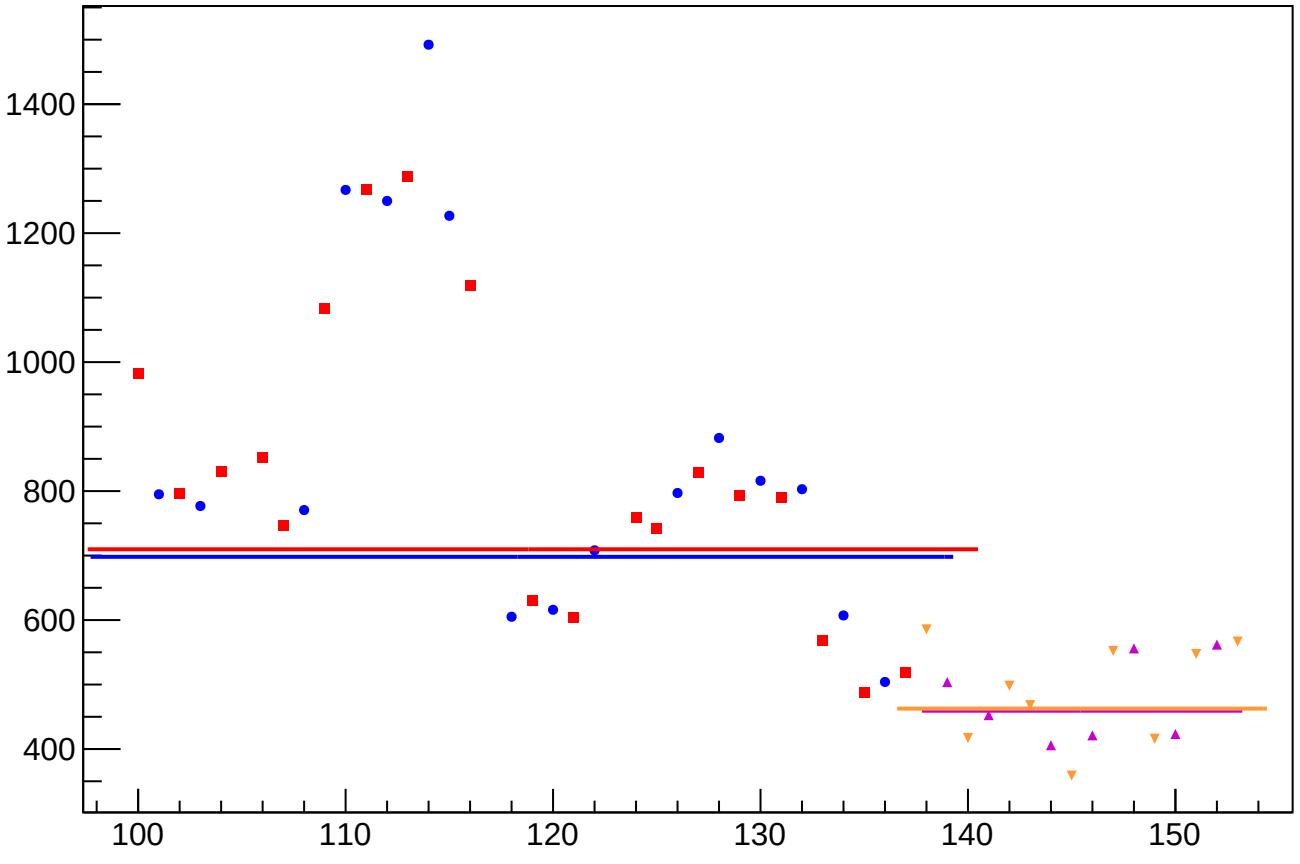
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 340.761+/-188.350 χ^2/NDF:6.7/6

+ sign 340.182+/-148.412 χ^2/NDF: 24.0/24

All: 339.194+/-107.075 χ^2/NDF: 45.3/50

- sign 338.122+/-154.633 χ^2/NDF: 21.4/25



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 462.679+/-0.126 χ^2/NDF:385267.0/8

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

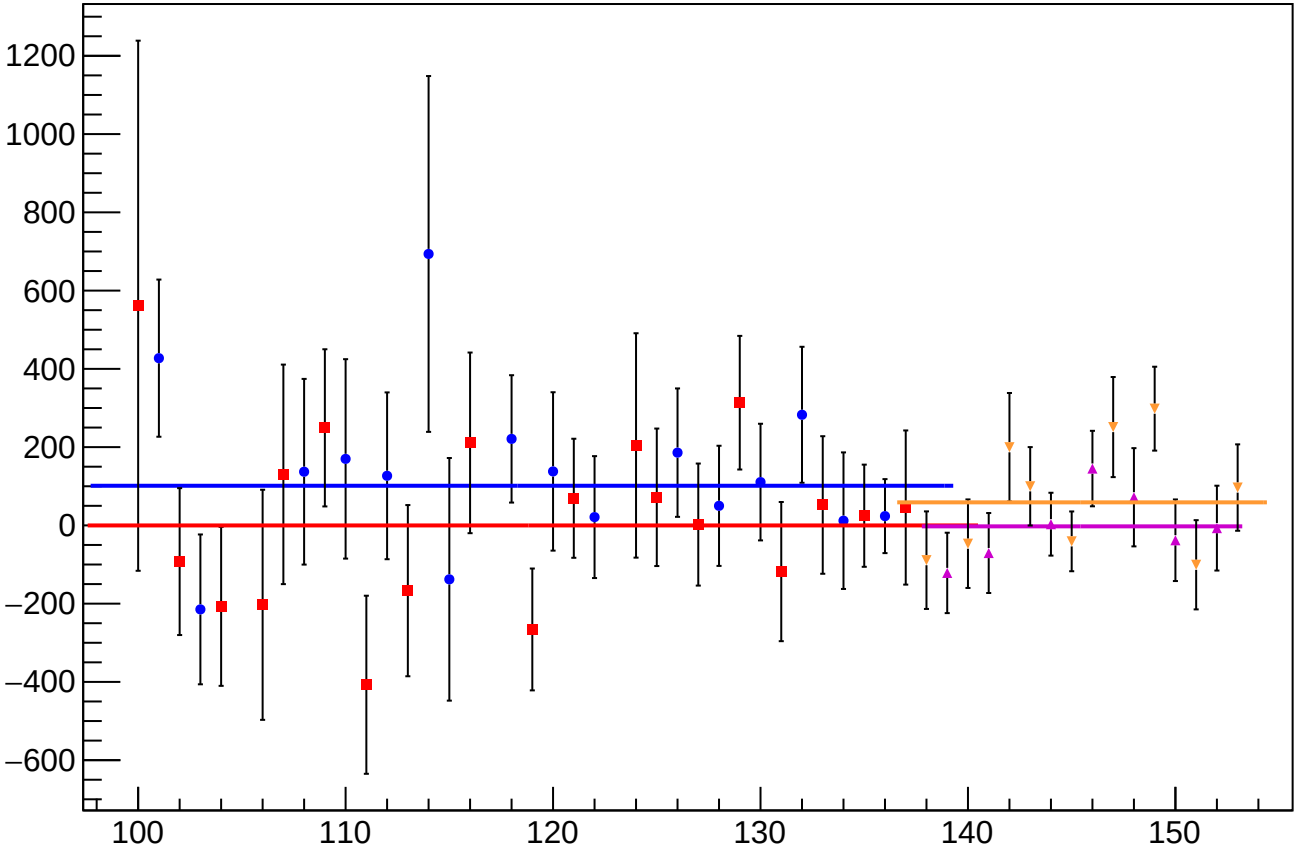
Left In: 459.427+/-0.133 χ^2/NDF:178185.3/6

+ sign 534.533+/-0.105 χ^2/NDF: 2365015.3/24

All: 537.647+/-0.076 χ^2/NDF: 4723709.1/50

- sign 541.027+/-0.109 χ^2/NDF: 2356857.7/25

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 58.867+/-35.976 χ^2/NDF:14.5/8

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

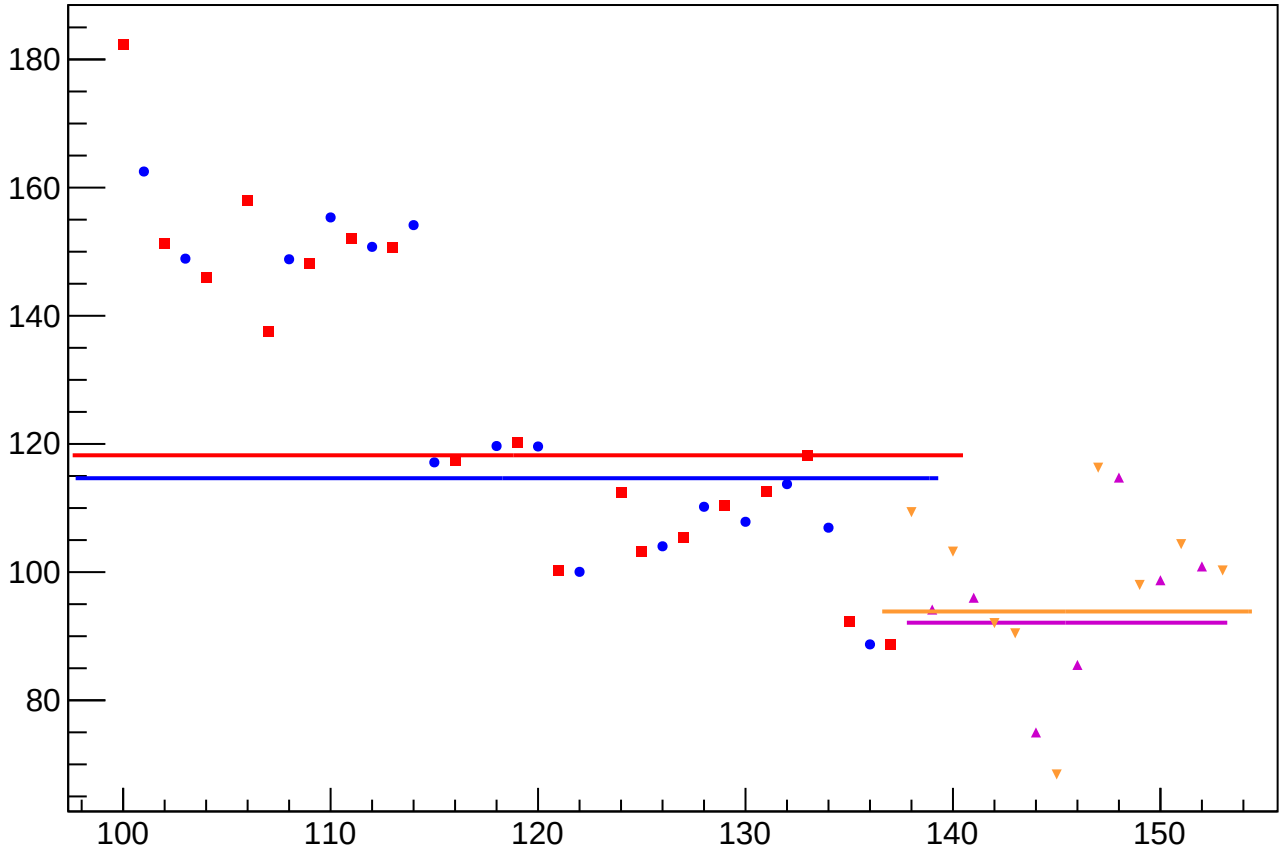
Left In: -2.466+/-37.971 χ^2/NDF:4.6/6

+ sign 76.090+/-27.726 χ^2/NDF: 26.1/24

All: 38.725+/-19.960 χ^2/NDF: 51.1/50

- sign -1.468+/-28.756 χ^2/NDF: 21.2/25

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 93.858+/-0.025 χ^2/NDF:357095.2/8

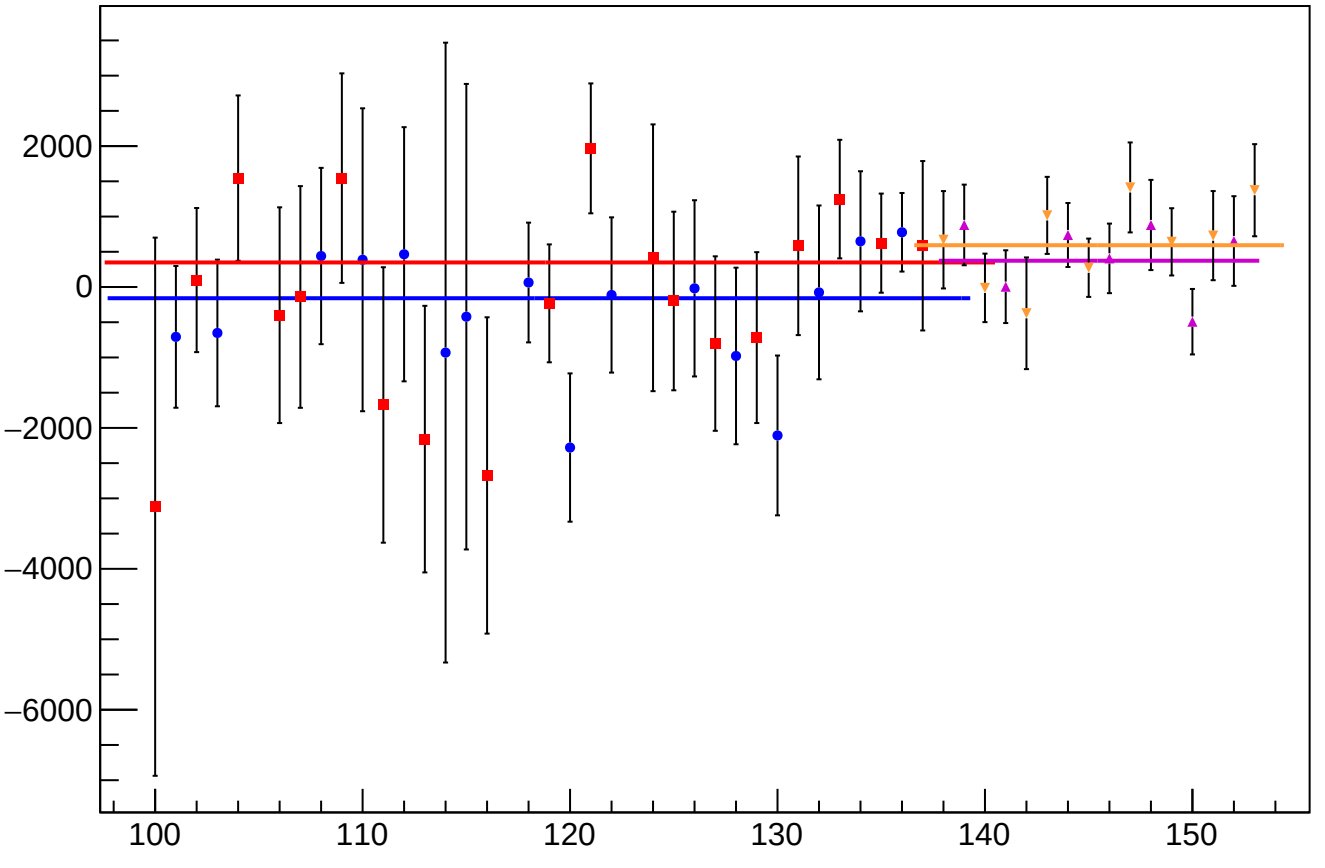
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 92.109+/-0.027 χ^2/NDF:190221.7/6

+ sign 102.303+/-0.020 χ^2/NDF: 1160442.1/24

All: 102.759+/-0.014 χ^2/NDF: 2238845.4/50

- sign 103.249+/-0.020 χ^2/NDF: 1077282.9/25



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 593.154+/-186.391 χ^2/NDF:7.4/8

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

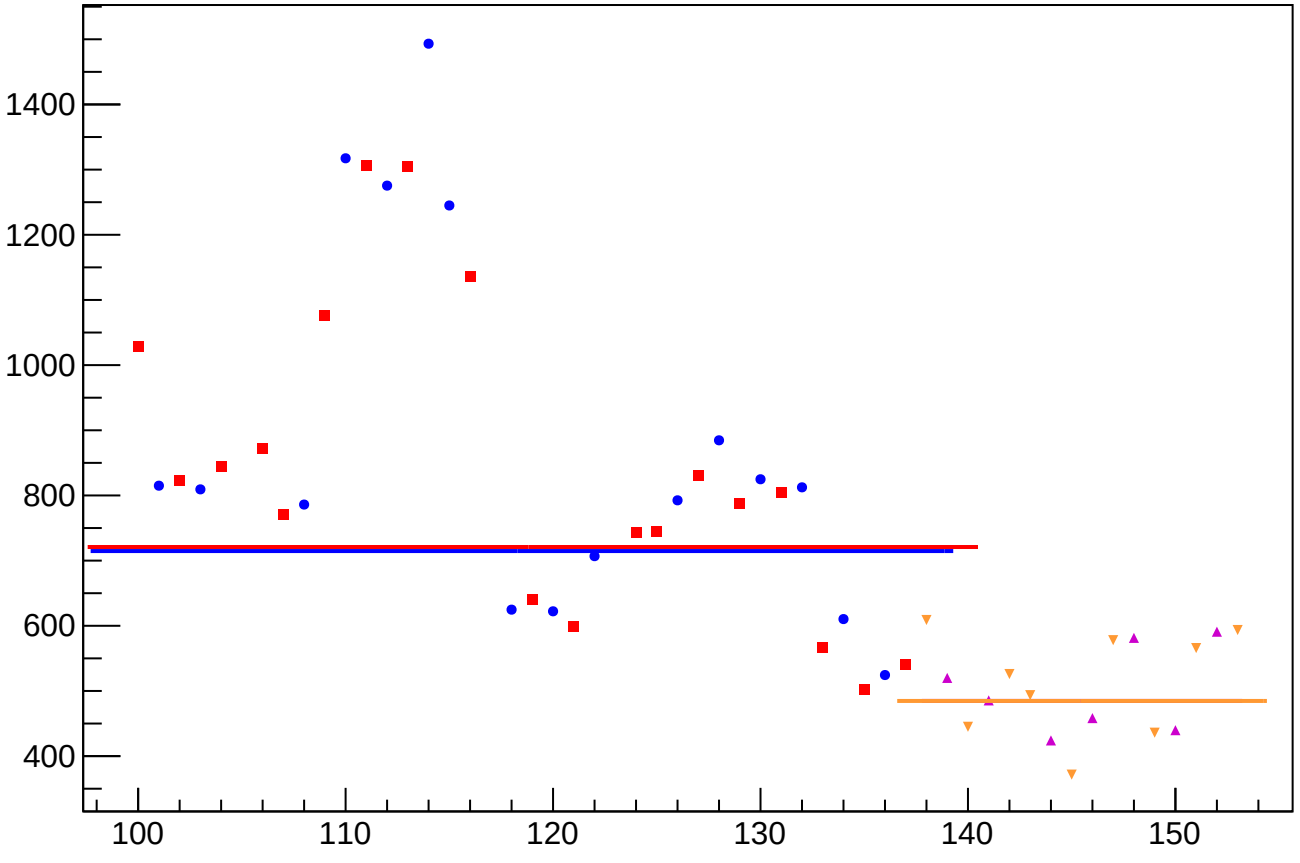
Left In: 373.046+/-198.845 χ^2/NDF:6.2/6

+ sign 355.831+/-154.212 χ^2/NDF: 24.5/24

All: 360.017+/-111.317 χ^2/NDF: 45.0/50

- sign 364.571+/-160.851 χ^2/NDF: 20.5/25

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 484.667+/-0.132 χ^2/NDF:384996.0/8

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

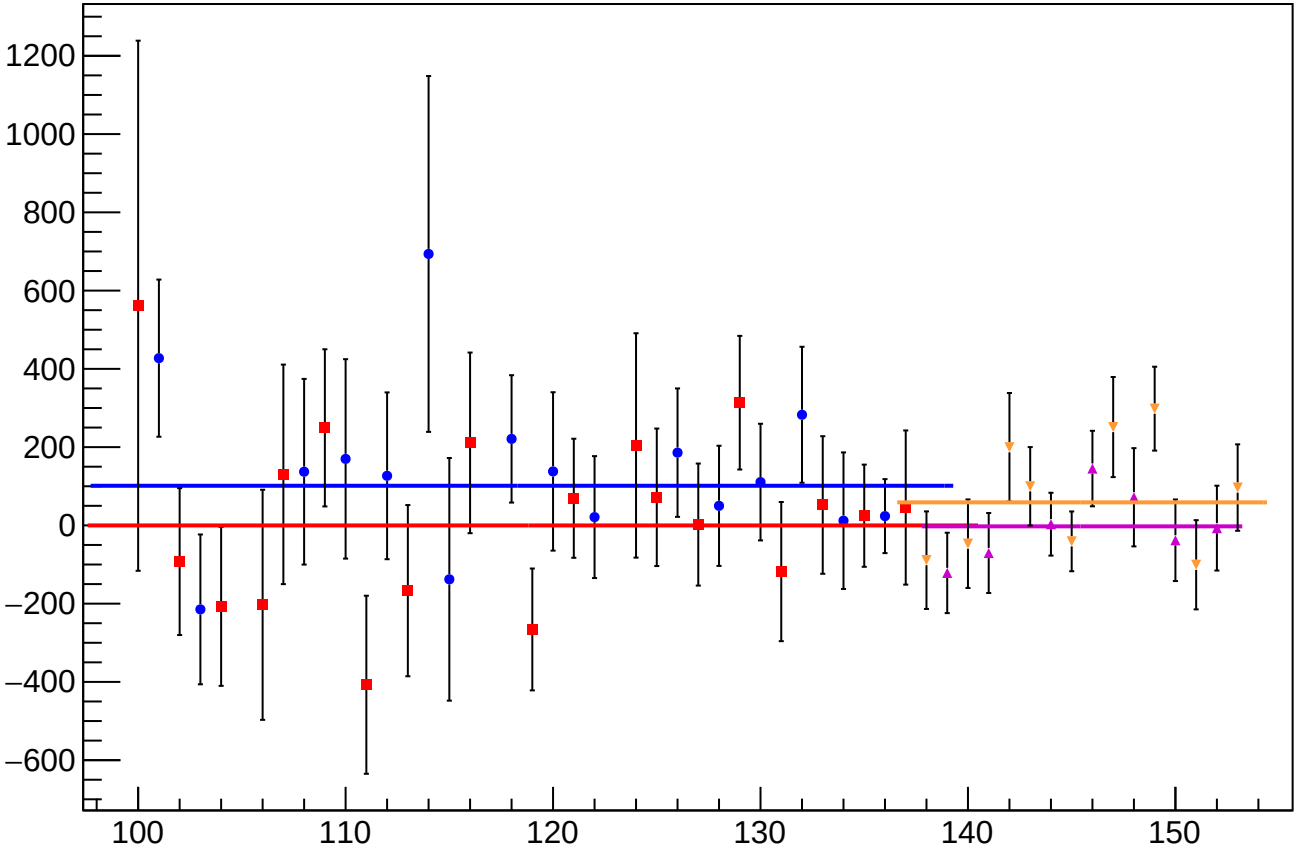
Left In: 484.701+/-0.141 χ^2/NDF:169076.7/6

+ sign 557.227+/-0.109 χ^2/NDF: 2221949.6/24

All: 561.590+/-0.079 χ^2/NDF: 4388077.5/50

- sign 566.337+/-0.114 χ^2/NDF: 2162785.1/25

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 58.866+/-35.977 χ^2/NDF:14.5/8

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

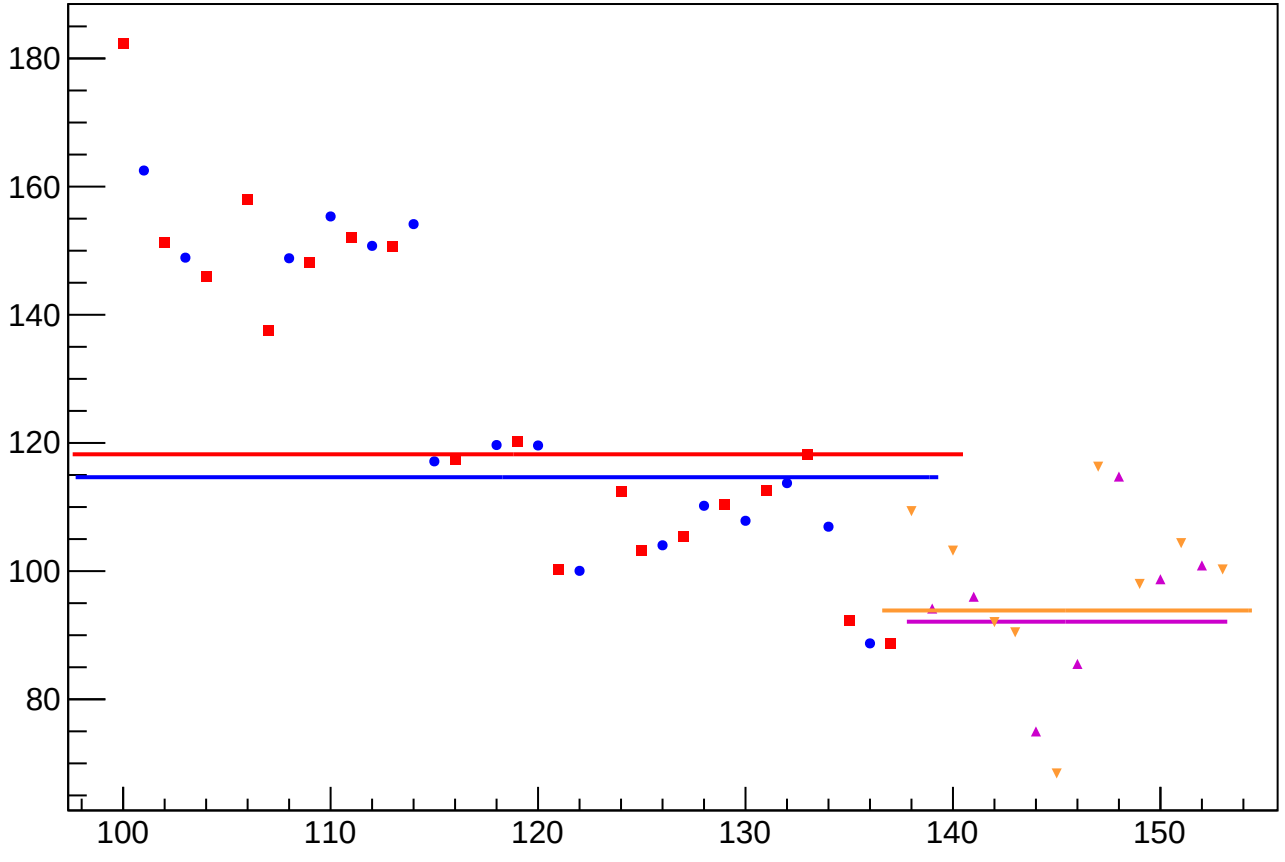
Left In: -2.465+/-37.971 χ^2/NDF:4.6/6

+ sign 76.088+/-27.726 χ^2/NDF: 26.1/24

All: 38.725+/-19.960 χ^2/NDF: 51.1/50

- sign -1.467+/-28.756 χ^2/NDF: 21.2/25

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 93.858+/-0.025 χ^2/NDF:357100.8/8

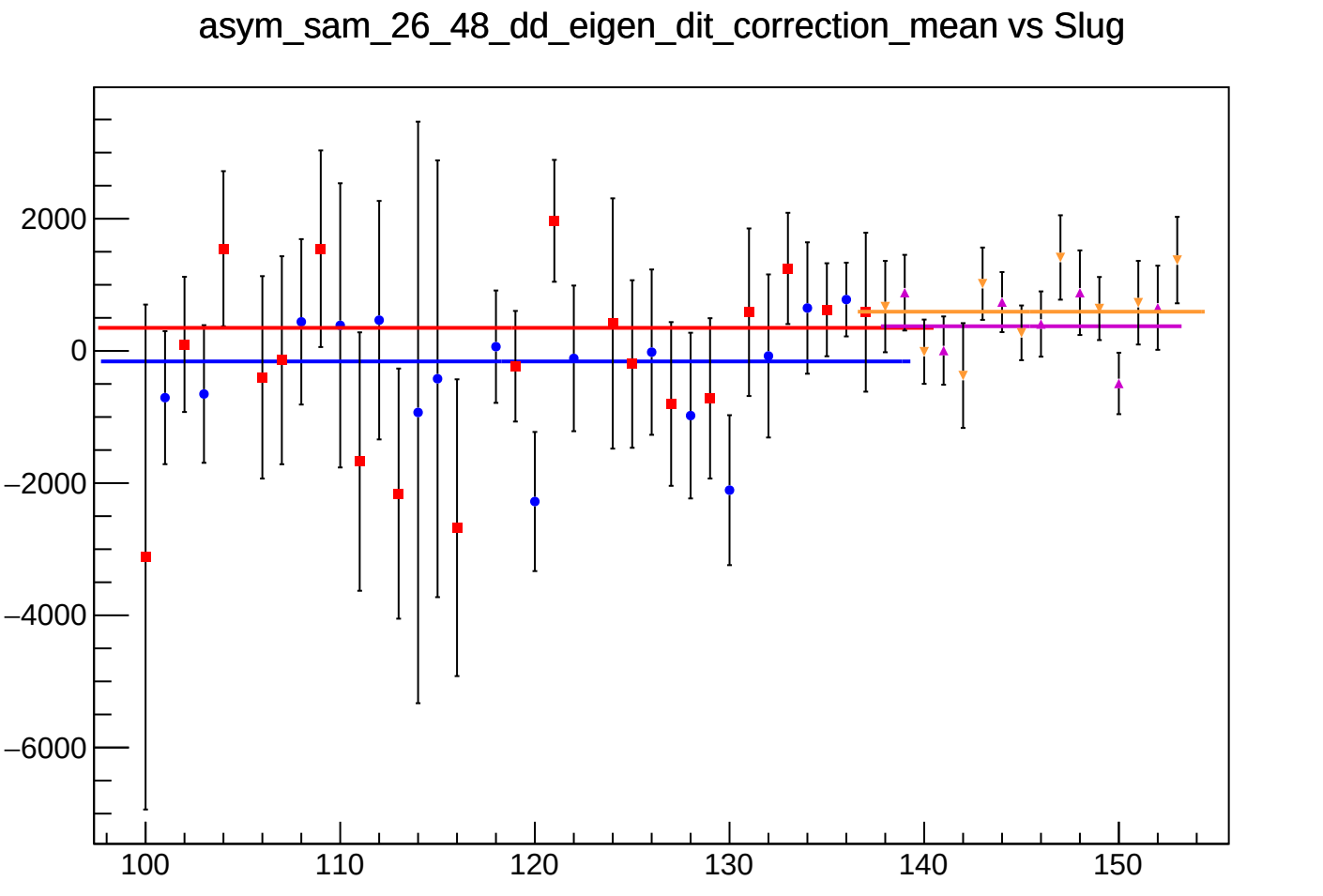
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 92.109+/-0.027 χ^2/NDF:190222.6/6

+ sign 102.303+/-0.020 χ^2/NDF: 1160437.9/24

All: 102.759+/-0.014 χ^2/NDF: 2238832.7/50

- sign 103.249+/-0.020 χ^2/NDF: 1077274.5/25



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 593.154+/-186.391 χ^2/NDF:7.4/8

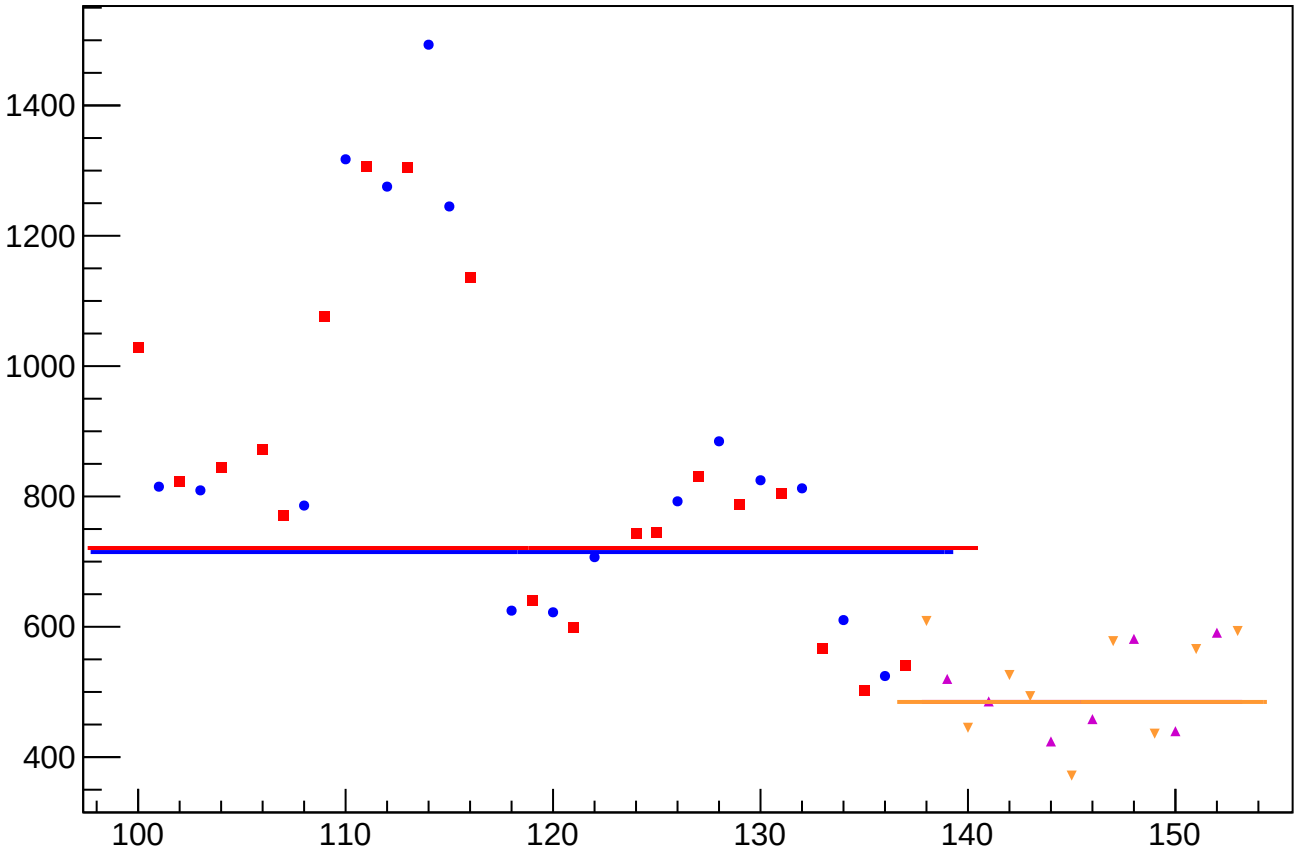
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 373.047+/-198.846 χ^2/NDF:6.2/6

+ sign 355.830+/-154.212 χ^2/NDF: 24.5/24

All: 360.017+/-111.317 χ^2/NDF: 45.0/50

- sign 364.572+/-160.851 χ^2/NDF: 20.5/25



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 484.667+/-0.132 χ^2/NDF:384999.2/8

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

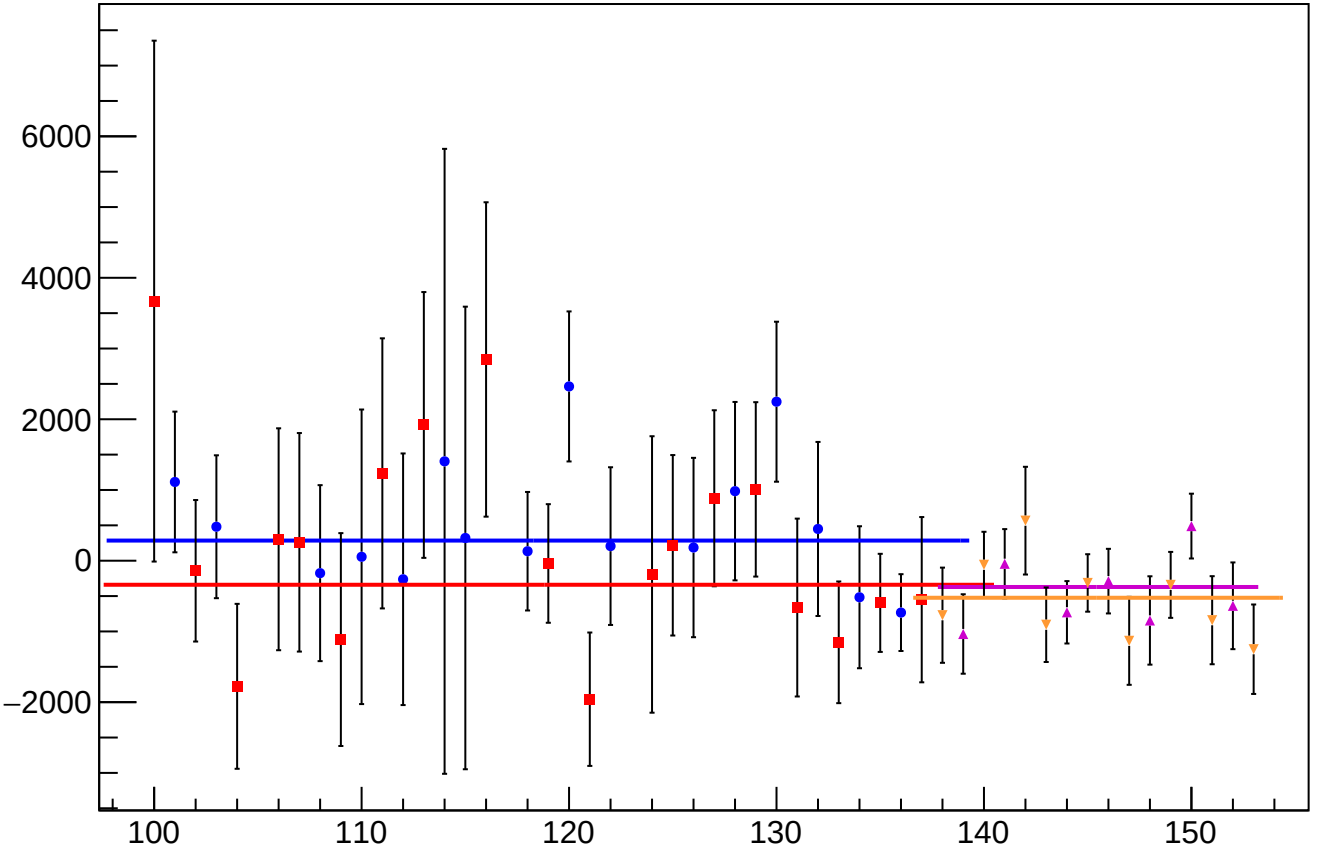
Left In: 484.702+/-0.141 χ^2/NDF:169076.3/6

+ sign 557.227+/-0.109 χ^2/NDF: 2221945.8/24

All: 561.590+/-0.079 χ^2/NDF: 4388061.7/50

- sign 566.337+/-0.114 χ^2/NDF: 2162773.0/25

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -523.840+/-181.197 χ^2/NDF:6.7/8

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

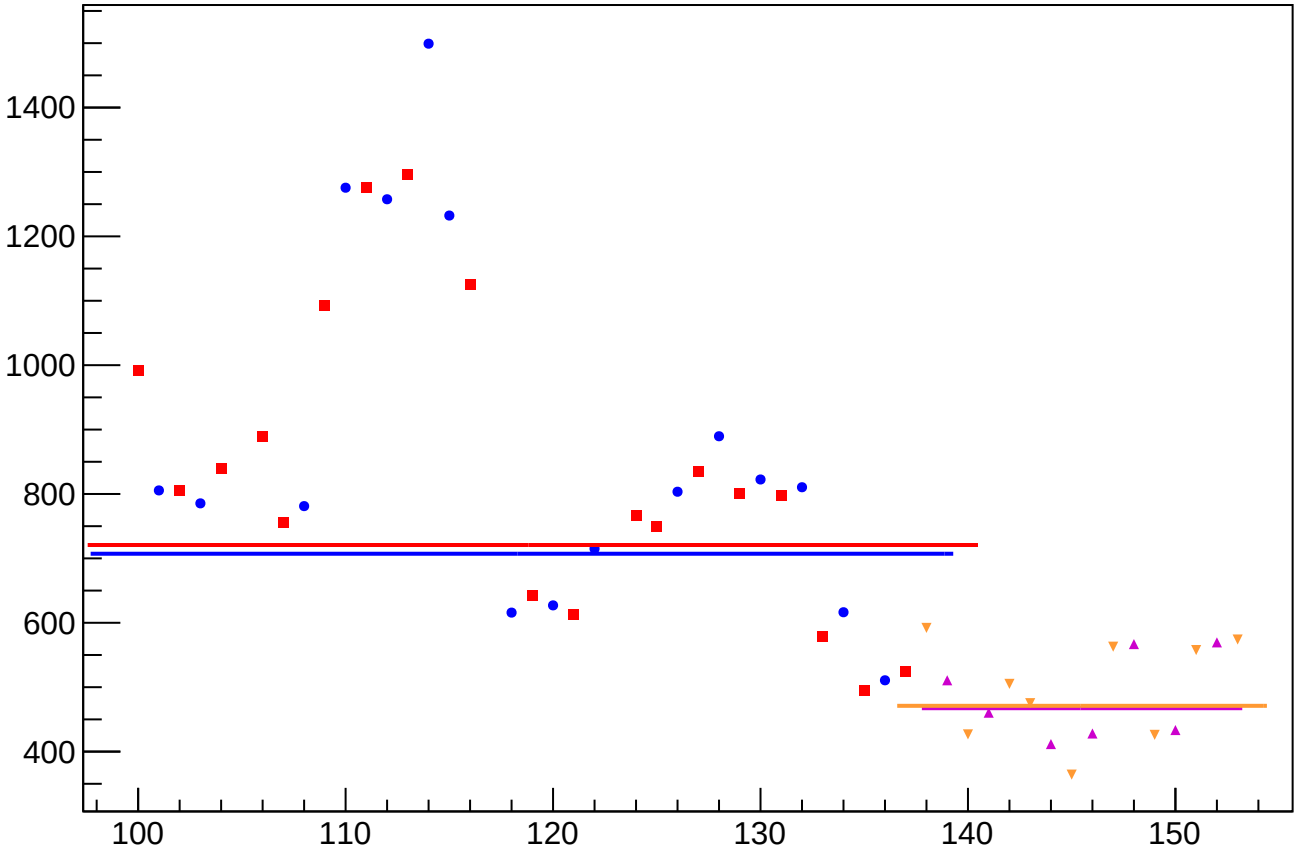
Left In: -371.482+/-191.545 χ^2/NDF:6.8/6

+ sign -275.222+/-150.790 χ^2/NDF: 25.6/24

All: -316.469+/-108.725 χ^2/NDF: 46.7/50

- sign -361.133+/-156.913 χ^2/NDF: 20.9/25

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 471.079+/-0.128 χ^2/NDF:379083.4/8

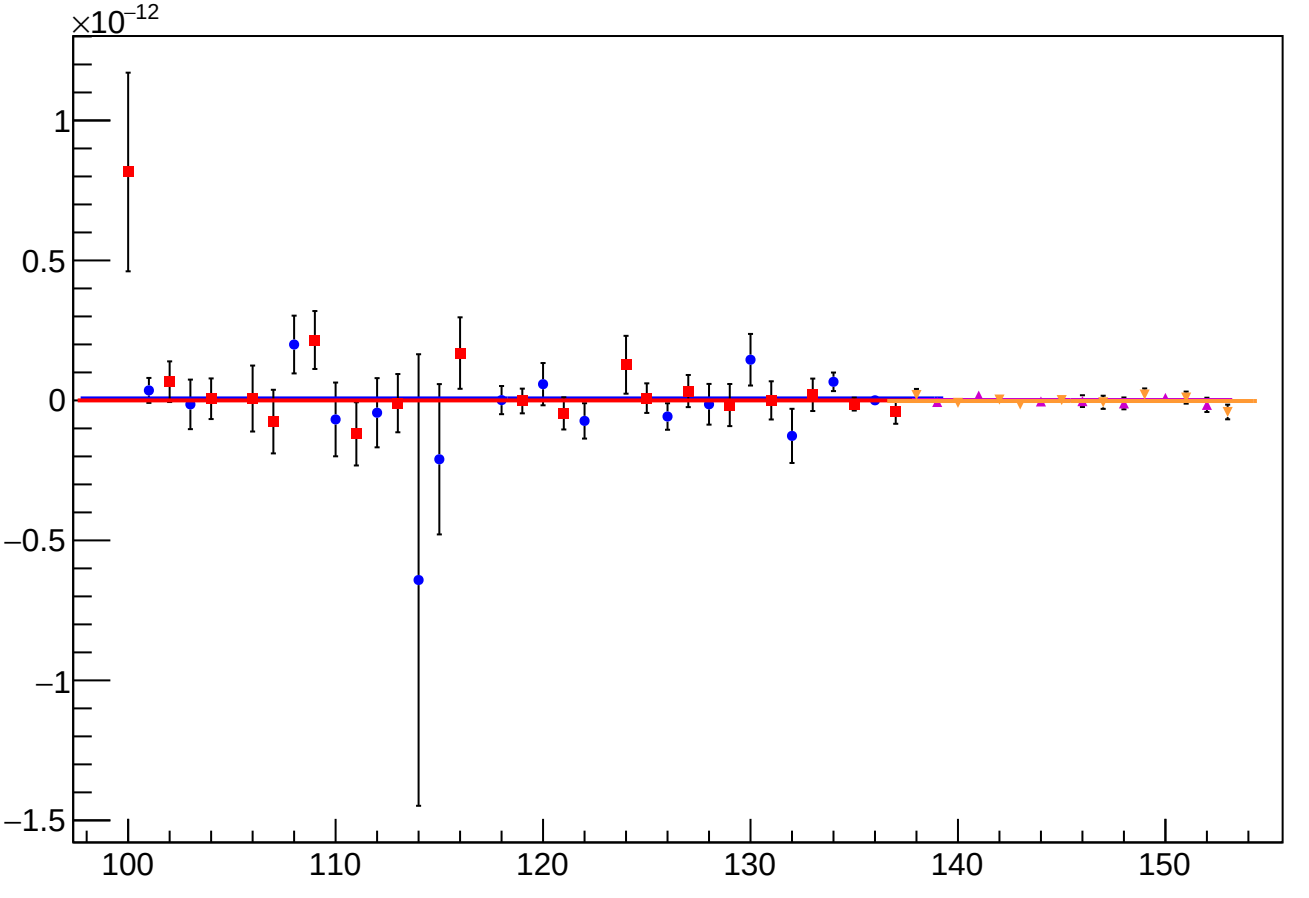
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 467.362+/-0.135 χ^2/NDF:176343.1/6

+ sign 543.679+/-0.107 χ^2/NDF: 2320063.0/24

All: 547.057+/-0.077 χ^2/NDF: 4665204.7/50

- sign 550.714+/-0.111 χ^2/NDF: 2343051.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/8

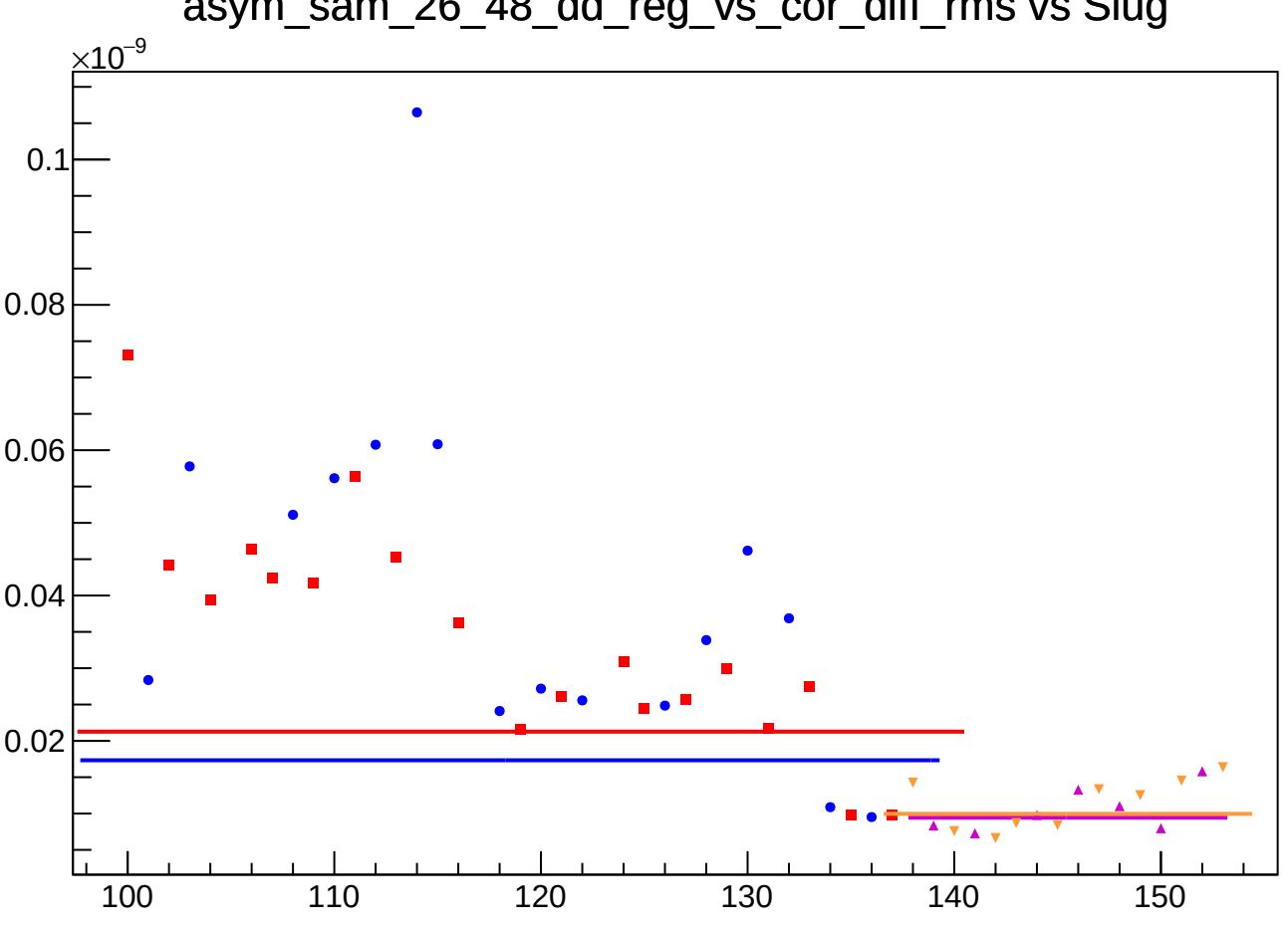
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/6

\+ sign -0.000+/-0.000 χ^2/NDF: 23.6/24

All: 0.000+/-0.000 χ^2/NDF: 44.1/50

\- sign 0.000+/-0.000 χ^2/NDF: 20.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:538771.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

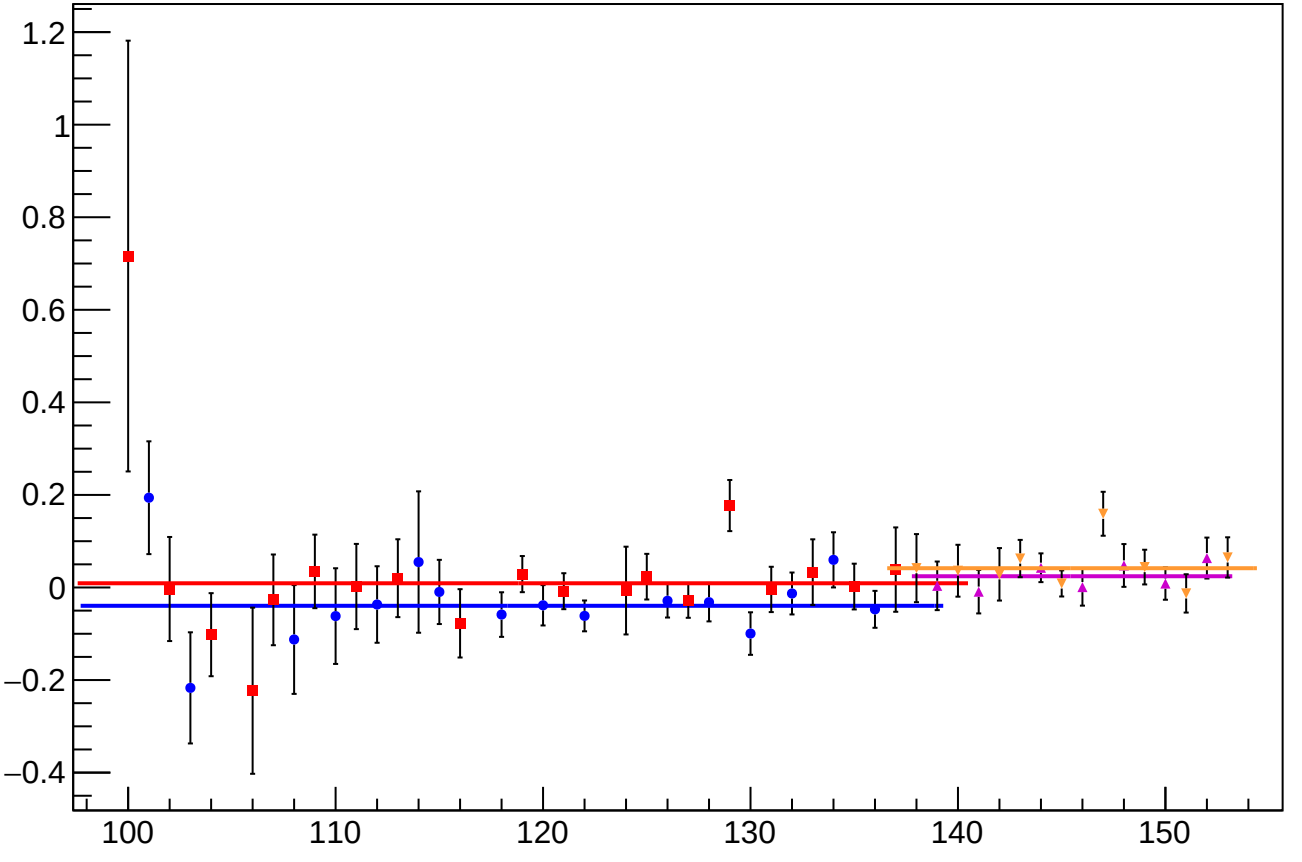
Left In: 0.000+/-0.000 χ^2/NDF:285730.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3560907.2/24

All: 0.000+/-0.000 χ^2/NDF: 6804488.7/50

- sign 0.000+/-0.000 χ^2/NDF: 3243576.3/25

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.014 χ^2/NDF:9.9/8

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

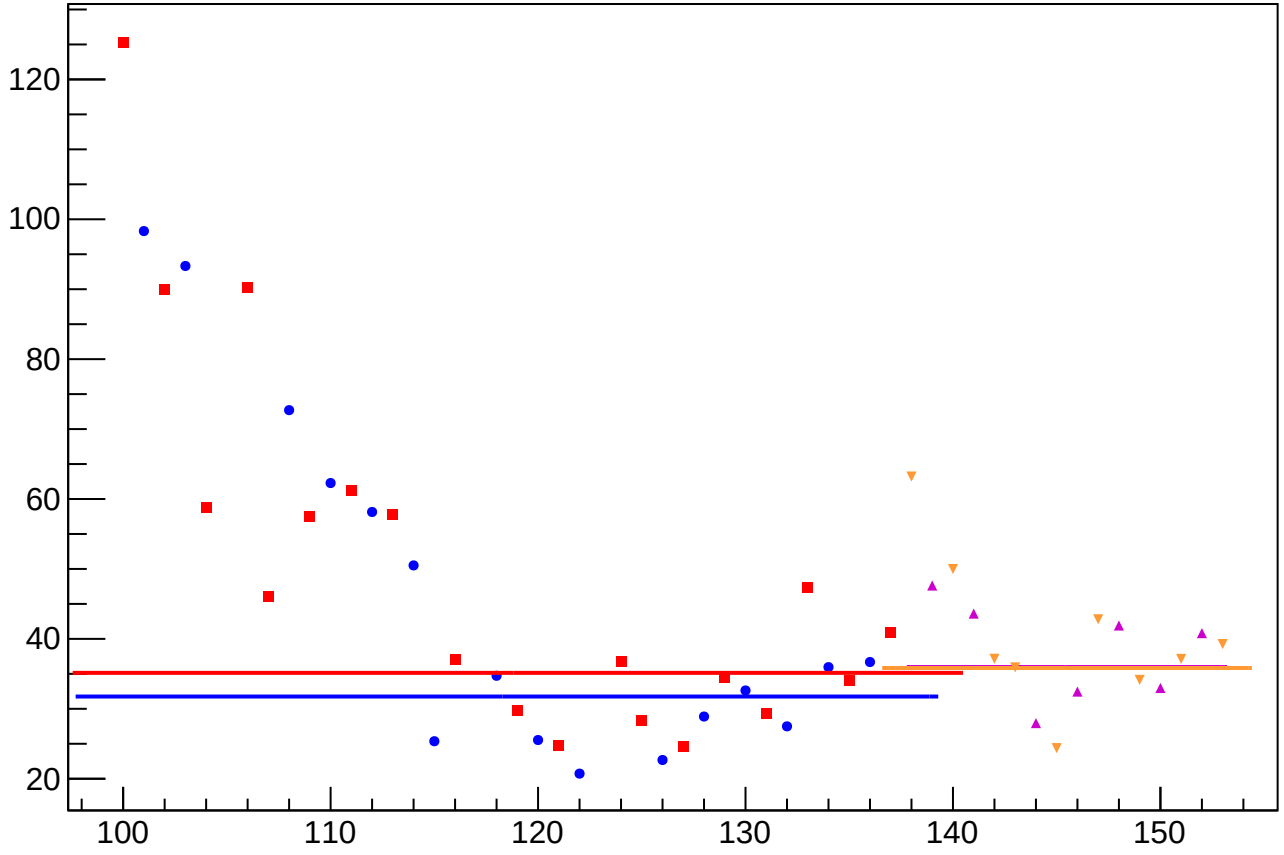
Left In: 0.024+/-0.015 χ^2/NDF:2.6/6

+ sign -0.002+/-0.010 χ^2/NDF: 39.9/24

All: 0.006+/-0.007 χ^2/NDF: 62.9/50

- sign 0.016+/-0.010 χ^2/NDF: 21.4/25

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.838+/-0.010 χ^2/NDF:798205.1/8

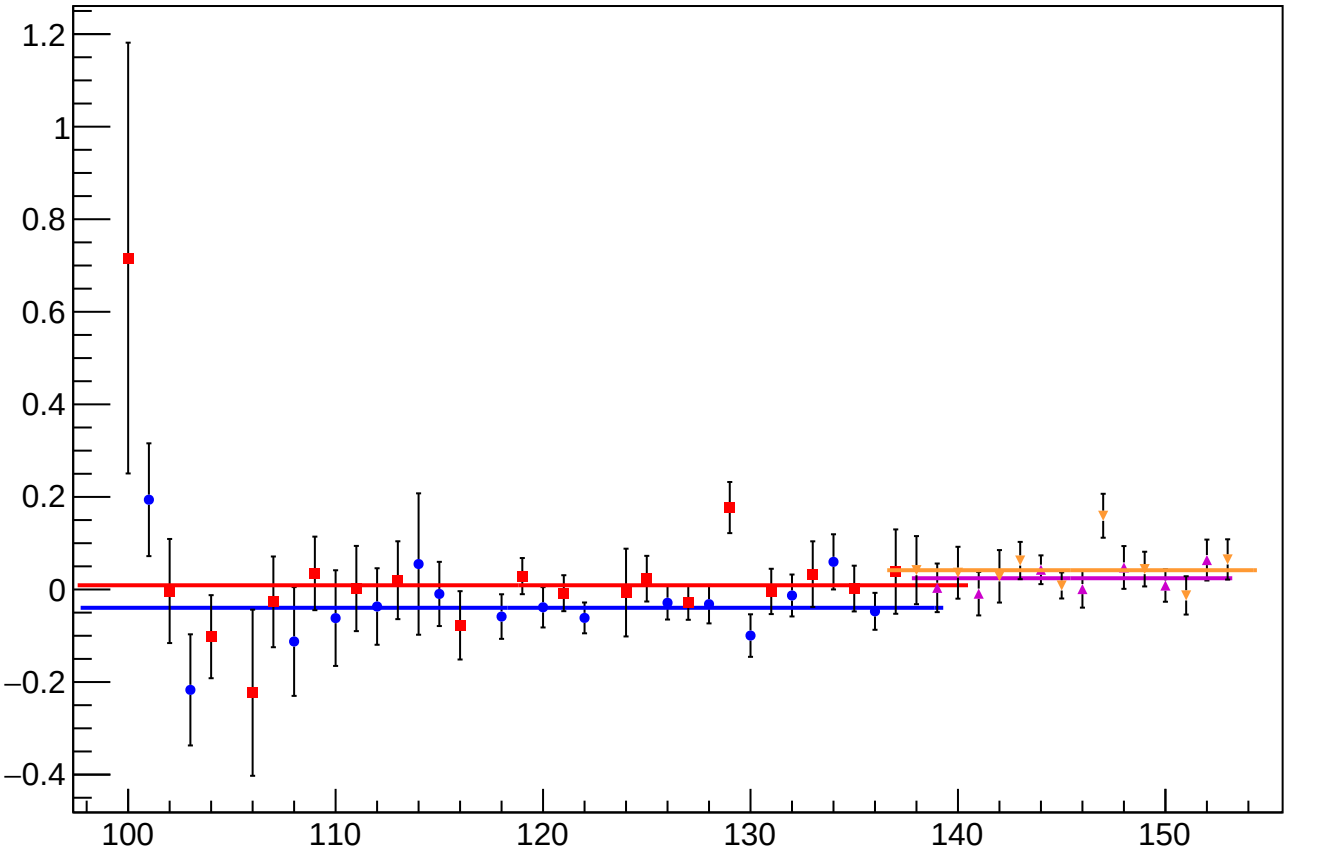
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.976+/-0.011 χ^2/NDF:371567.6/6

+ sign 33.642+/-0.007 χ^2/NDF: 3139516.9/24

All: 34.514+/-0.005 χ^2/NDF: 5394221.6/50

- sign 35.525+/-0.007 χ^2/NDF: 2219459.1/25



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.014 χ^2/NDF:9.9/8

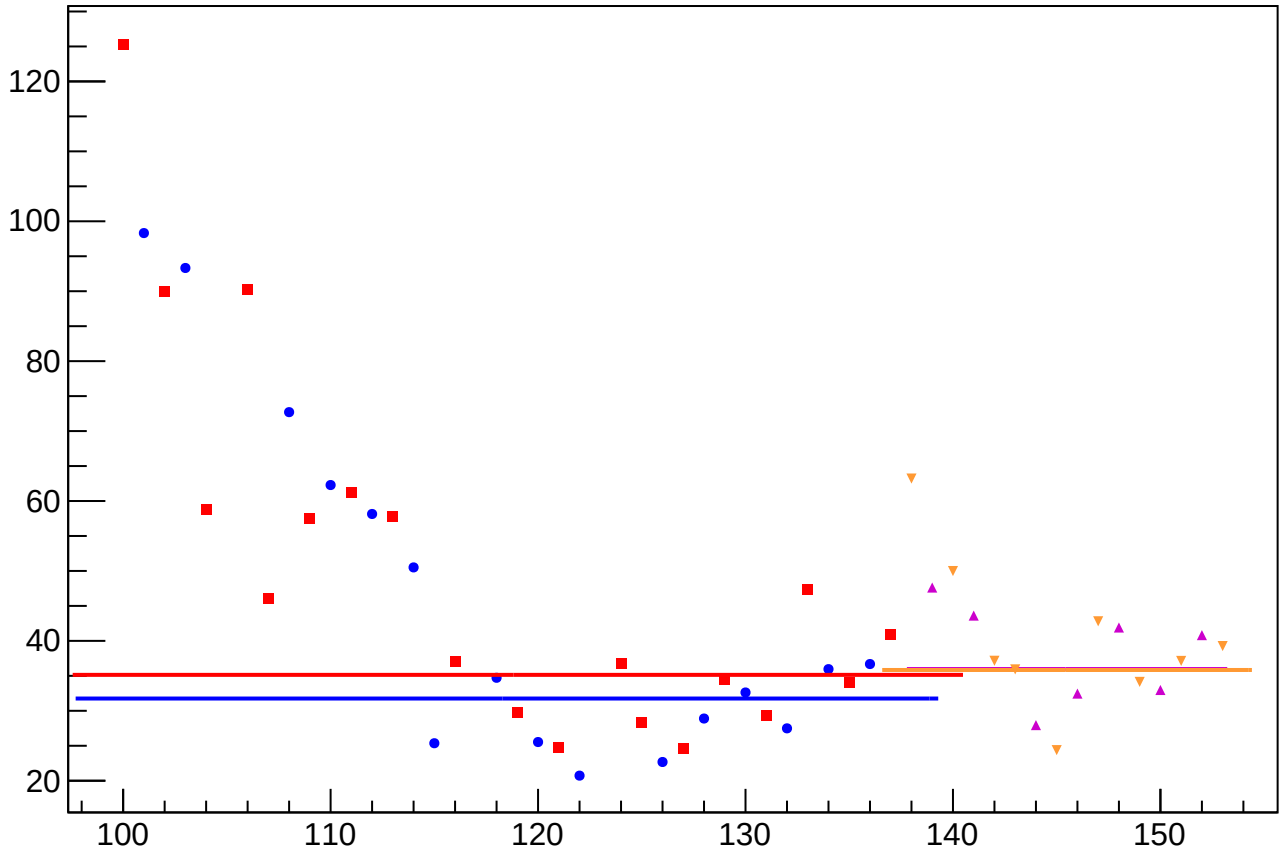
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.024+/-0.015 χ^2/NDF:2.6/6

\+ sign -0.002+/-0.010 χ^2/NDF: 39.9/24

All: 0.006+/-0.007 χ^2/NDF: 62.9/50

\- sign 0.016+/-0.010 χ^2/NDF: 21.4/25



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.838+/-0.010 χ^2/NDF:798205.1/8

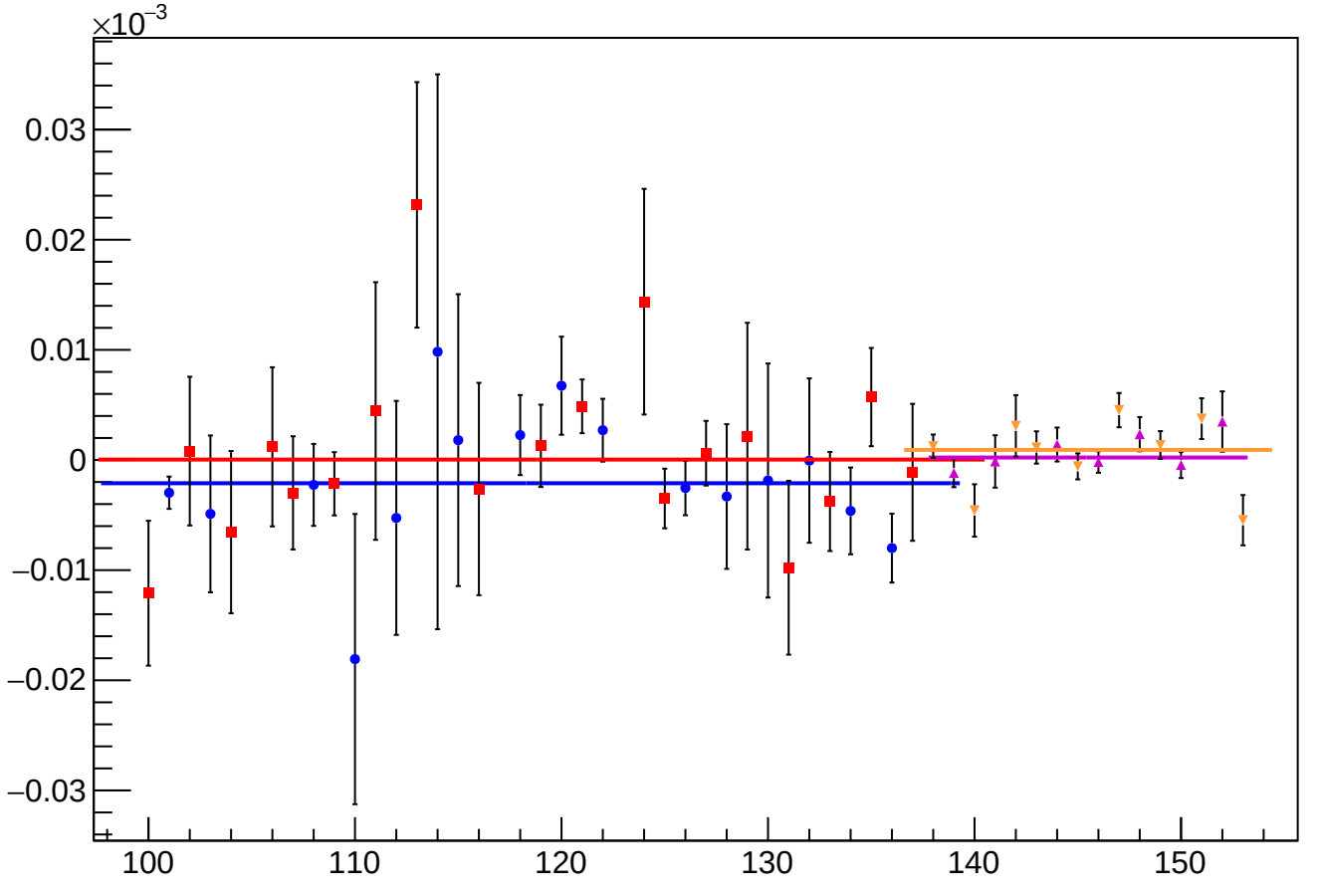
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.976+/-0.011 χ^2/NDF:371567.6/6

+ sign 33.642+/-0.007 χ^2/NDF: 3139516.9/24

All: 34.514+/-0.005 χ^2/NDF: 5394221.6/50

- sign 35.525+/-0.007 χ^2/NDF: 2219459.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/8

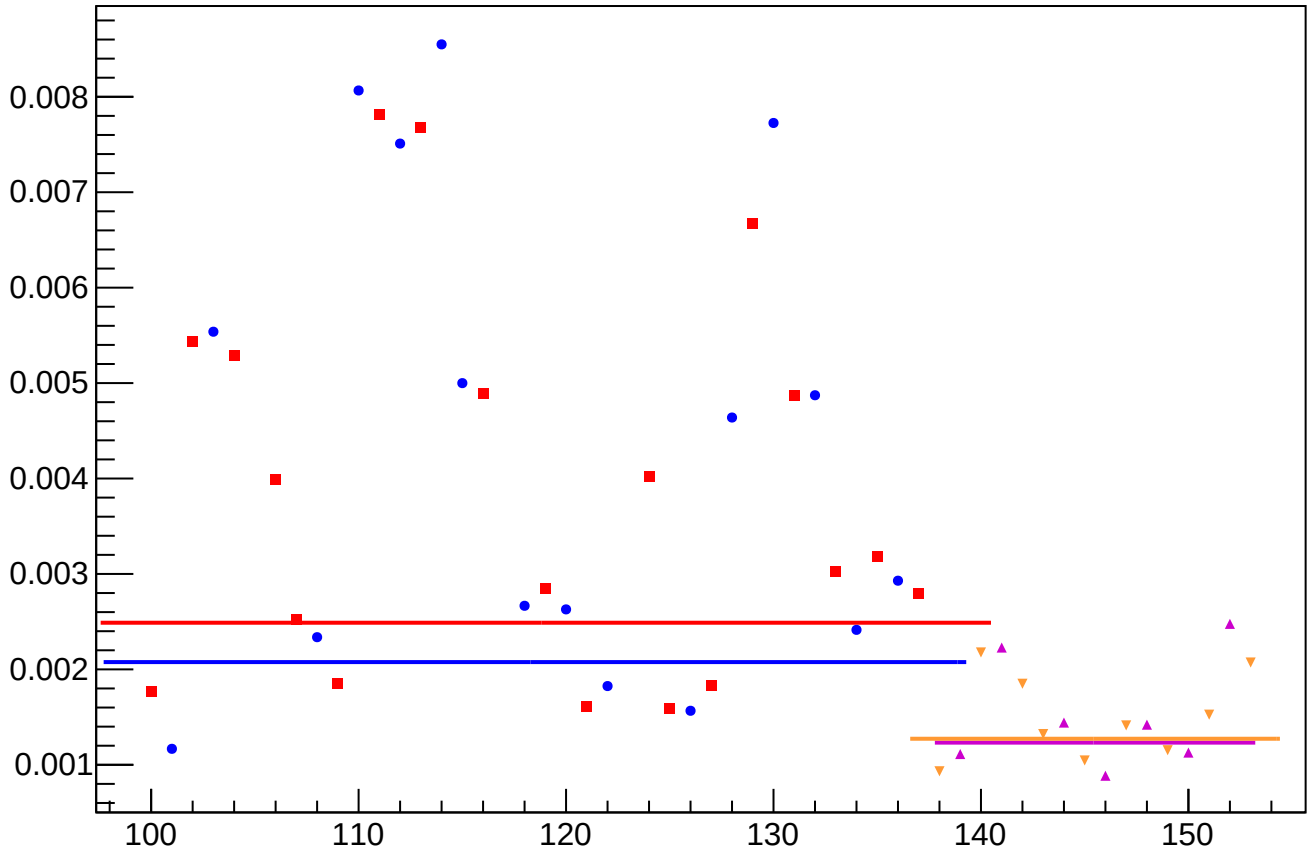
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/24

All: 0.000+/-0.000 χ^2/NDF: 73.5/50

- sign 0.000+/-0.000 χ^2/NDF: 27.0/25



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:973715.6/8

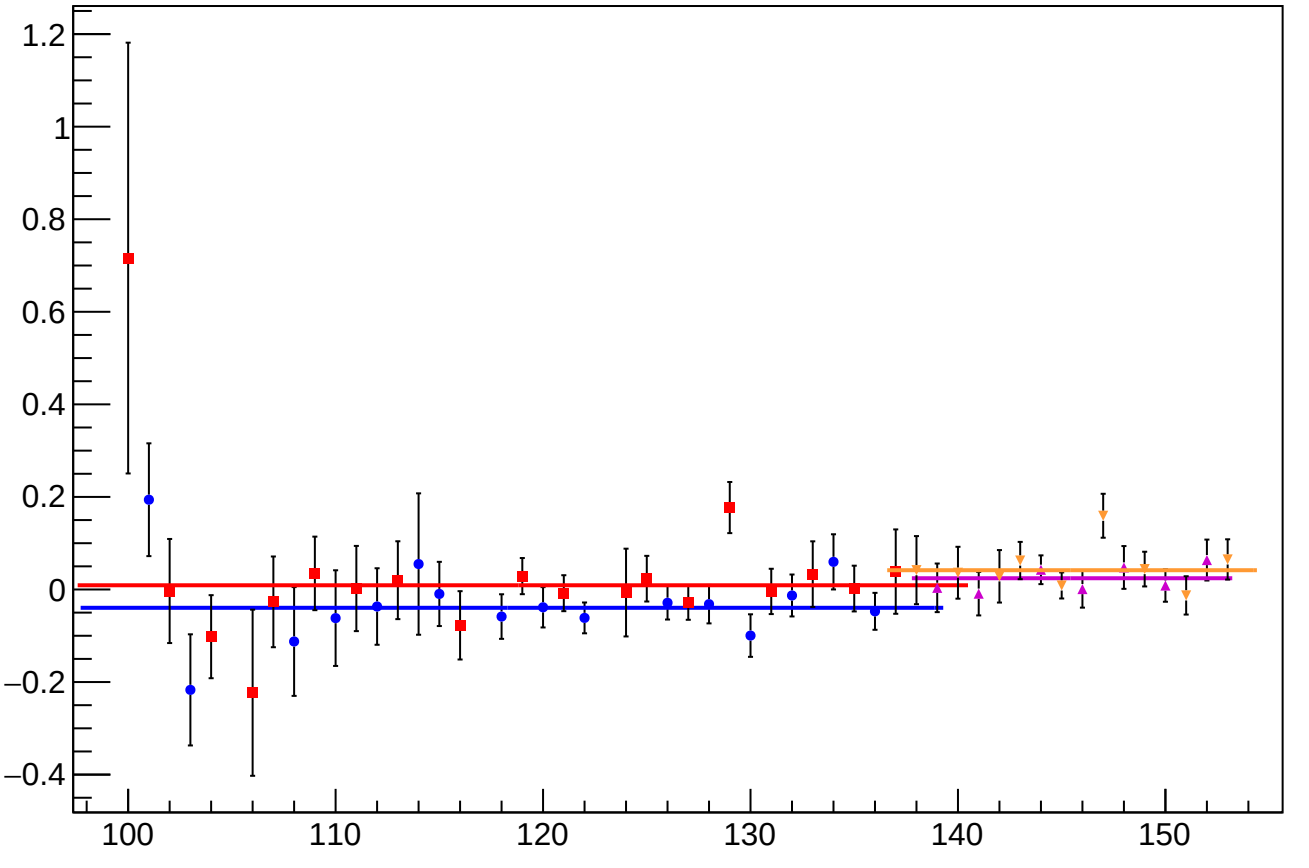
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1116407.7/6

+ sign 0.001+/-0.000 χ^2/NDF: 6081800.6/24

All: 0.001+/-0.000 χ^2/NDF: 12596390.8/50

- sign 0.001+/-0.000 χ^2/NDF: 6510005.1/25



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.014 χ^2/NDF:9.9/8

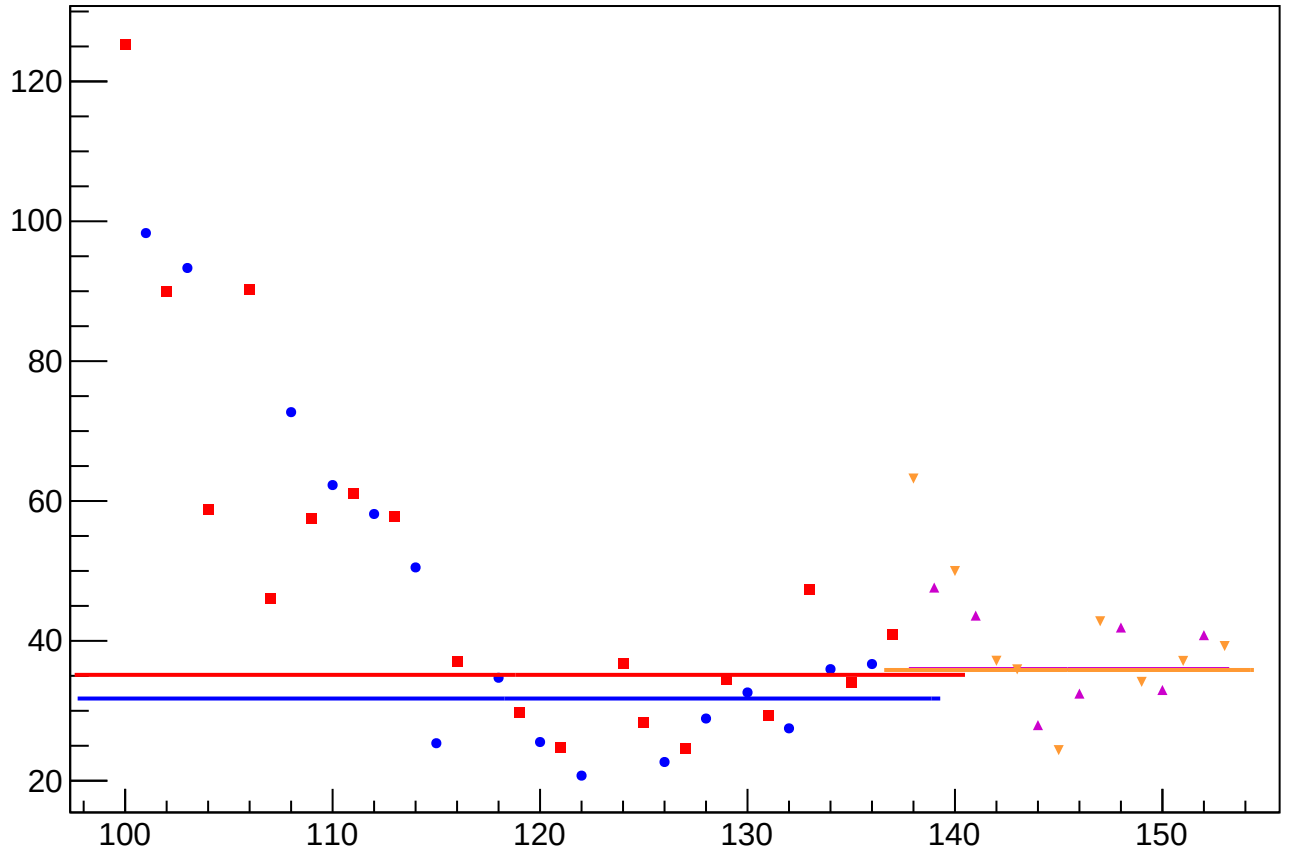
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.024+/-0.015 χ^2/NDF:2.6/6

+ sign -0.002+/-0.010 χ^2/NDF: 39.9/24

All: 0.006+/-0.007 χ^2/NDF: 62.9/50

- sign 0.016+/-0.010 χ^2/NDF: 21.4/25



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.838+/-0.010 χ^2/NDF:798250.8/8

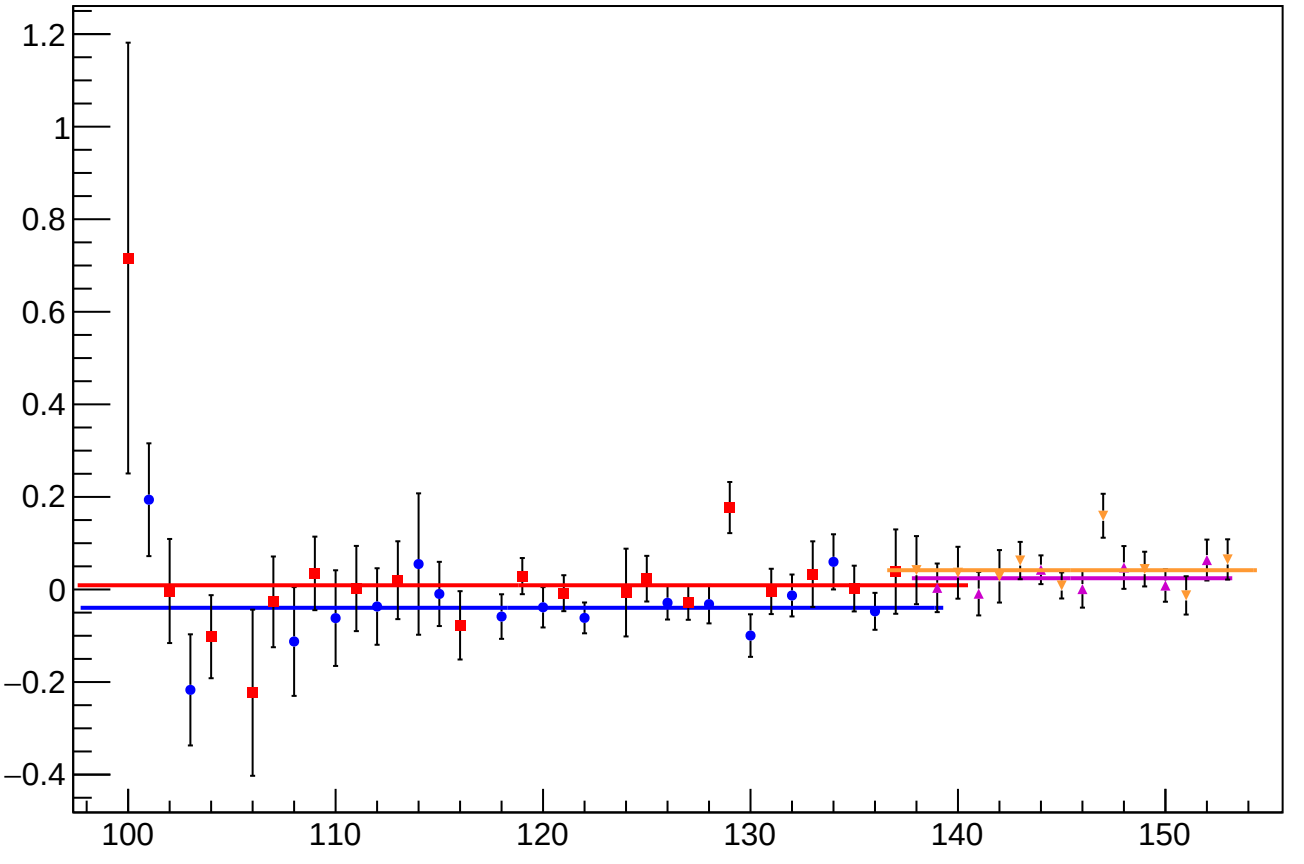
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.976+/-0.011 χ^2/NDF:371574.4/6

\+ sign 33.642+/-0.007 χ^2/NDF: 3139520.3/24

All: 34.514+/-0.005 χ^2/NDF: 5394128.6/50

\- sign 35.526+/-0.007 χ^2/NDF: 2219359.4/25



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.014 χ^2/NDF:9.9/8

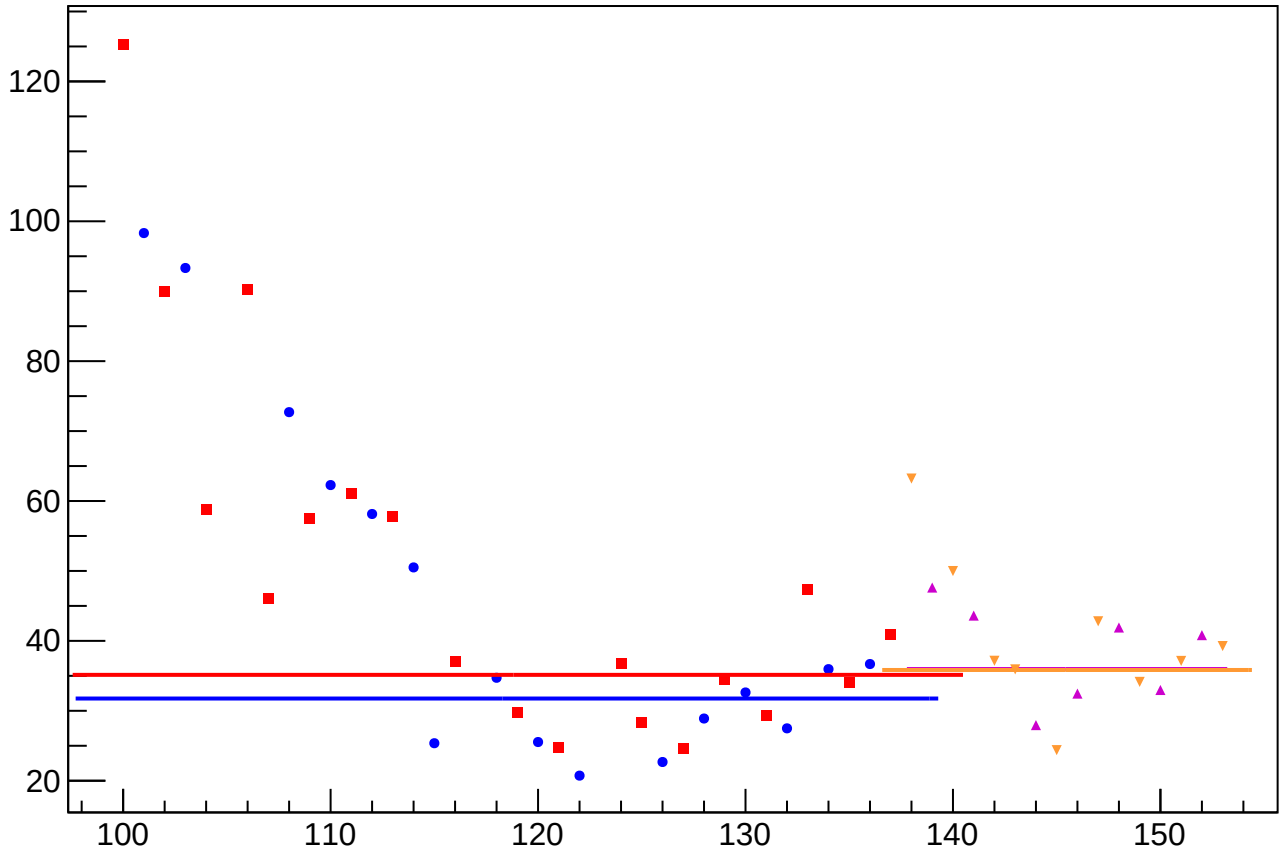
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.024+/-0.015 χ^2/NDF:2.6/6

+ sign -0.002+/-0.010 χ^2/NDF: 39.9/24

All: 0.006+/-0.007 χ^2/NDF: 62.9/50

- sign 0.016+/-0.010 χ^2/NDF: 21.4/25



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.838+/-0.010 χ^2/NDF:798250.8/8

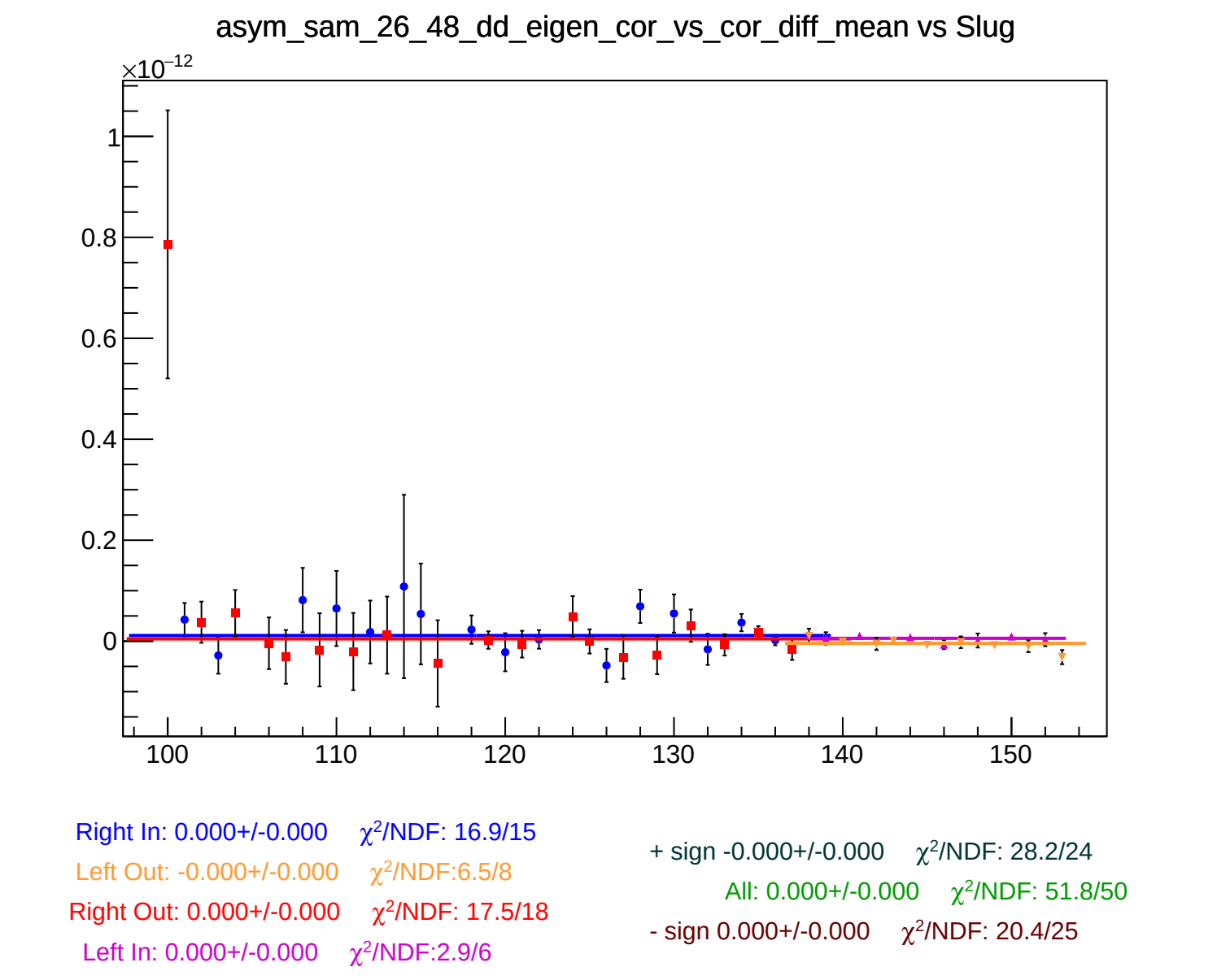
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

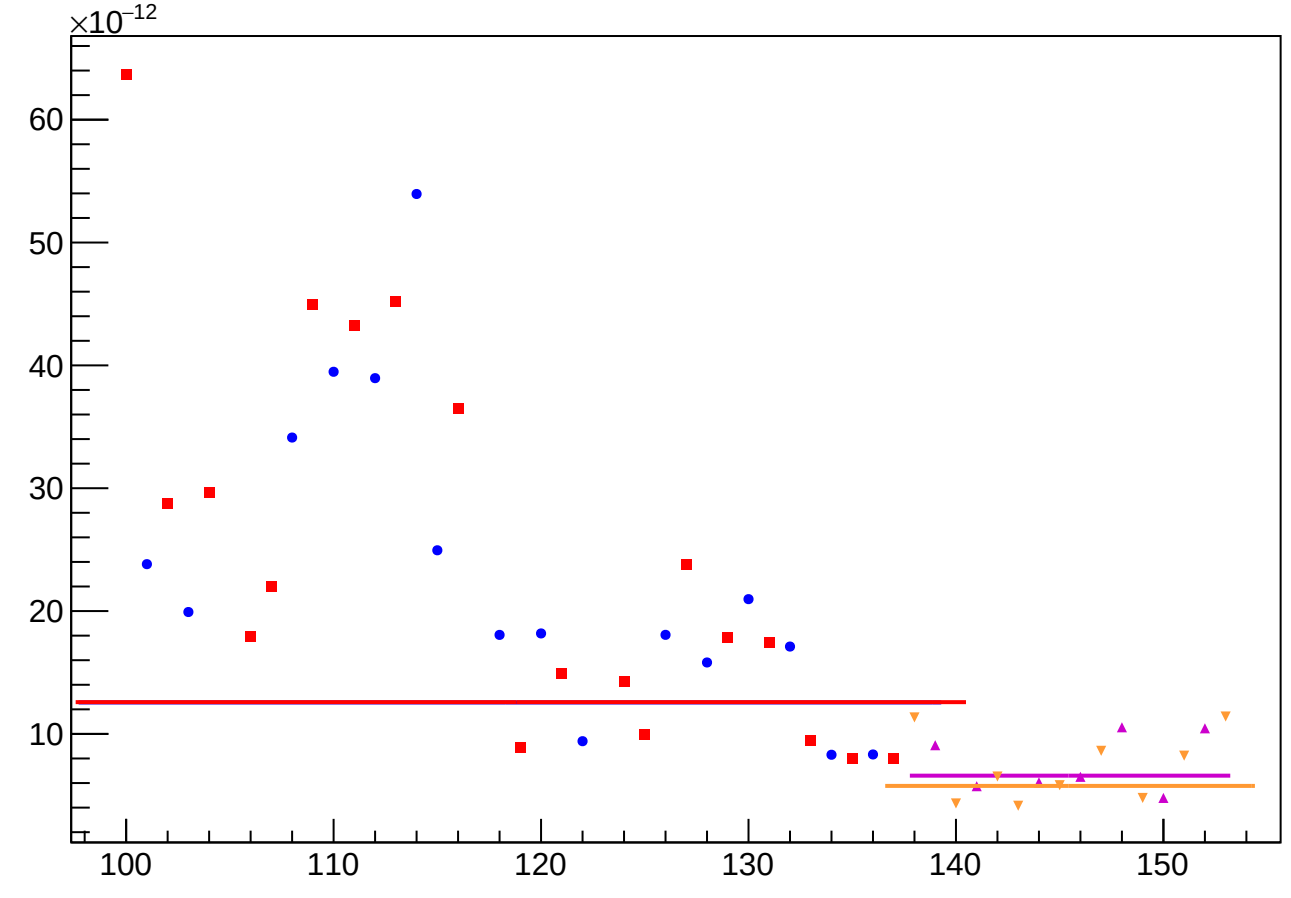
Left In: 35.976+/-0.011 χ^2/NDF:371574.4/6

+ sign 33.642+/-0.007 χ^2/NDF: 3139520.3/24

All: 34.514+/-0.005 χ^2/NDF: 5394128.6/50

- sign 35.526+/-0.007 χ^2/NDF: 2219359.4/25


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:6.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:2.9/6
+ sign -0.000+/-0.000 χ²/NDF: 28.2/24
All: 0.000+/-0.000 χ²/NDF: 51.8/50
- sign 0.000+/-0.000 χ²/NDF: 20.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1123676.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

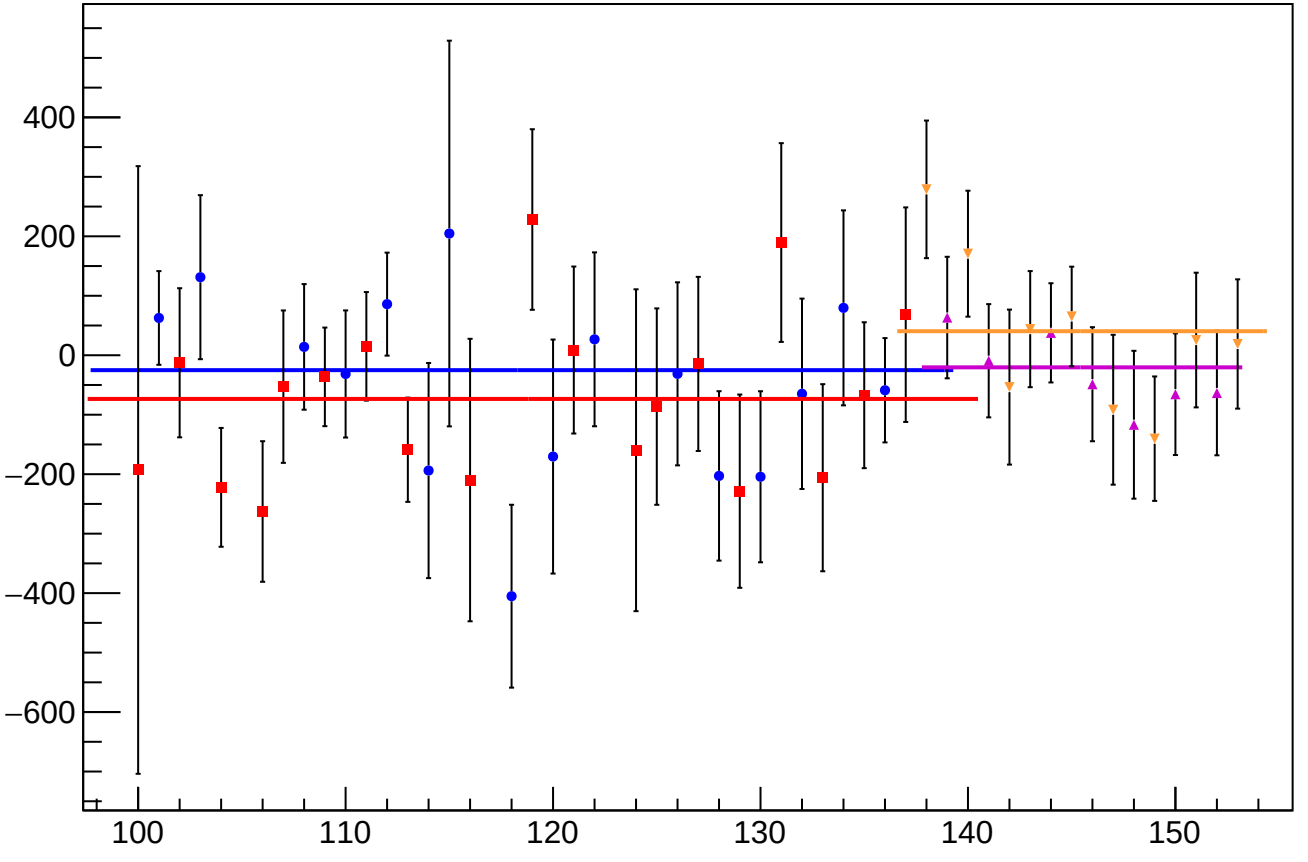
Left In: 0.000+/-0.000 χ^2/NDF:578312.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 5142099.4/24

All: 0.000+/-0.000 χ^2/NDF: 9862551.6/50

- sign 0.000+/-0.000 χ^2/NDF: 4604975.3/25

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 40.434+/-35.640 χ^2/NDF:10.5/8

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

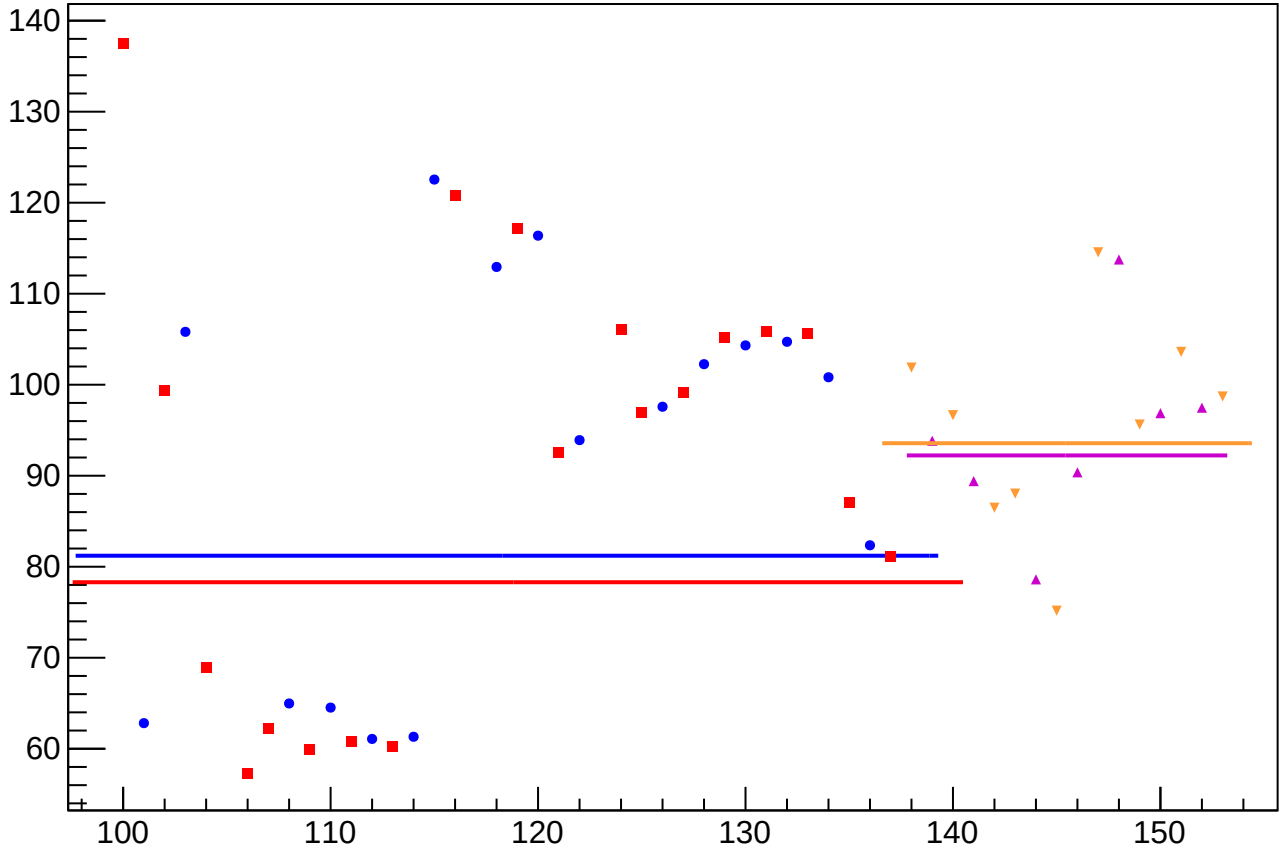
Left In: -20.343+/-37.530 χ^2/NDF:2.2/6

+ sign 3.379+/-23.488 χ^2/NDF: 28.6/24

All: -24.816+/-16.578 χ^2/NDF: 51.7/50

- sign -52.805+/-23.402 χ^2/NDF: 20.2/25

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 93.572+/-0.025 χ^2/NDF:197306.5/8

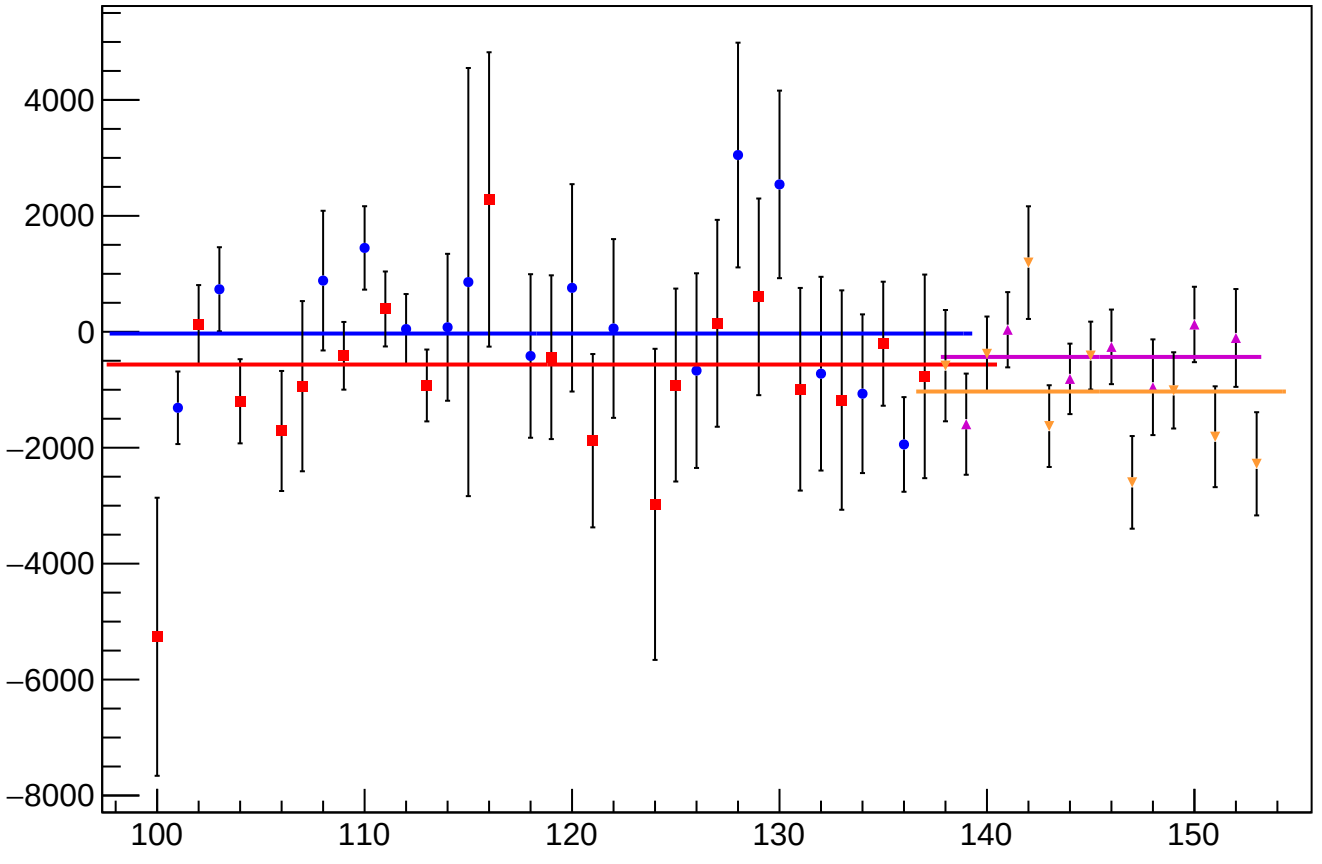
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 92.229+/-0.027 χ^2/NDF:125446.5/6

+ sign 86.579+/-0.017 χ^2/NDF: 1121096.4/24

All: 85.141+/-0.012 χ^2/NDF: 2364559.3/50

- sign 83.715+/-0.017 χ^2/NDF: 1228538.3/25



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1030.558+/-250.448 χ^2/NDF:14.9/8

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

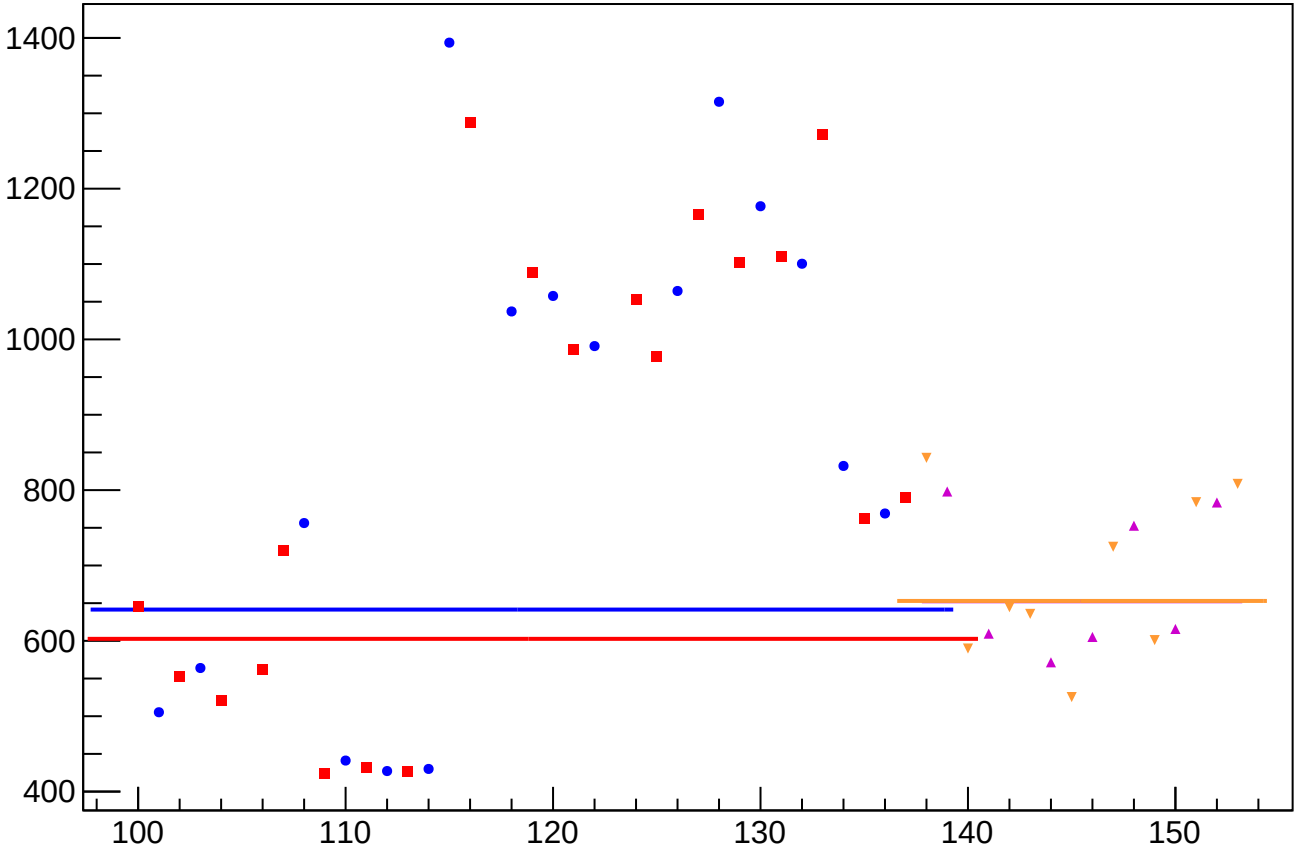
Left In: -433.751+/-266.858 χ^2/NDF:4.0/6

+ sign -543.392+/-179.365 χ^2/NDF: 44.6/24

All: -524.867+/-126.282 χ^2/NDF: 62.1/50

- sign -506.658+/-177.825 χ^2/NDF: 17.5/25

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 652.949+/-0.177 χ^2/NDF:328562.9/8

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

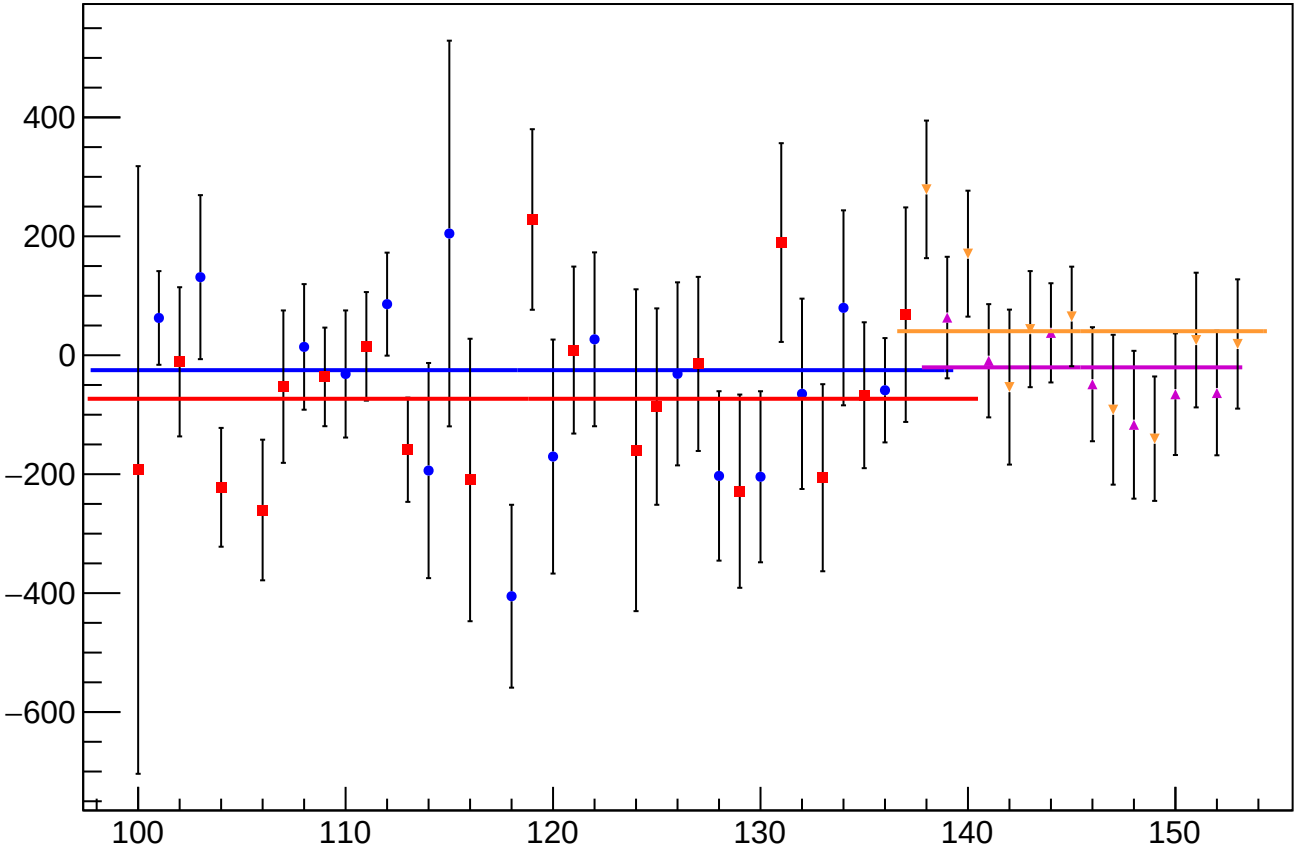
Left In: 652.523+/-0.189 χ^2/NDF:194926.3/6

+ sign 647.372+/-0.127 χ^2/NDF: 2205590.1/24

All: 635.987+/-0.089 χ^2/NDF: 4525630.4/50

- sign 624.798+/-0.126 χ^2/NDF: 2304064.6/25

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 40.442+/-35.640 χ^2/NDF:10.5/8

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

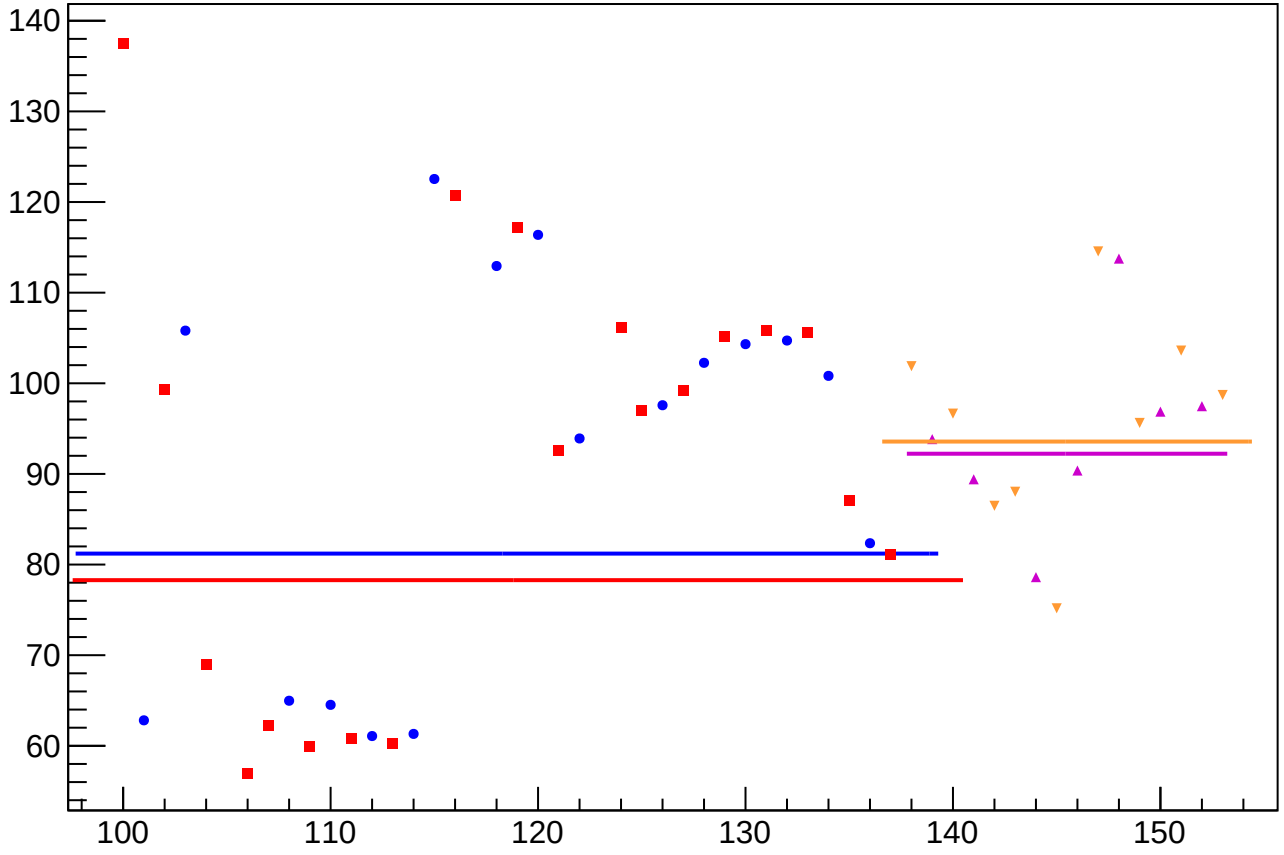
Left In: -20.345+/-37.530 χ^2/NDF:2.2/6

+ sign 3.381+/-23.488 χ^2/NDF: 28.6/24

All: -24.732+/-16.578 χ^2/NDF: 51.7/50

- sign -52.642+/-23.403 χ^2/NDF: 20.2/25

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 93.572+/-0.025 χ^2/NDF:197306.5/8

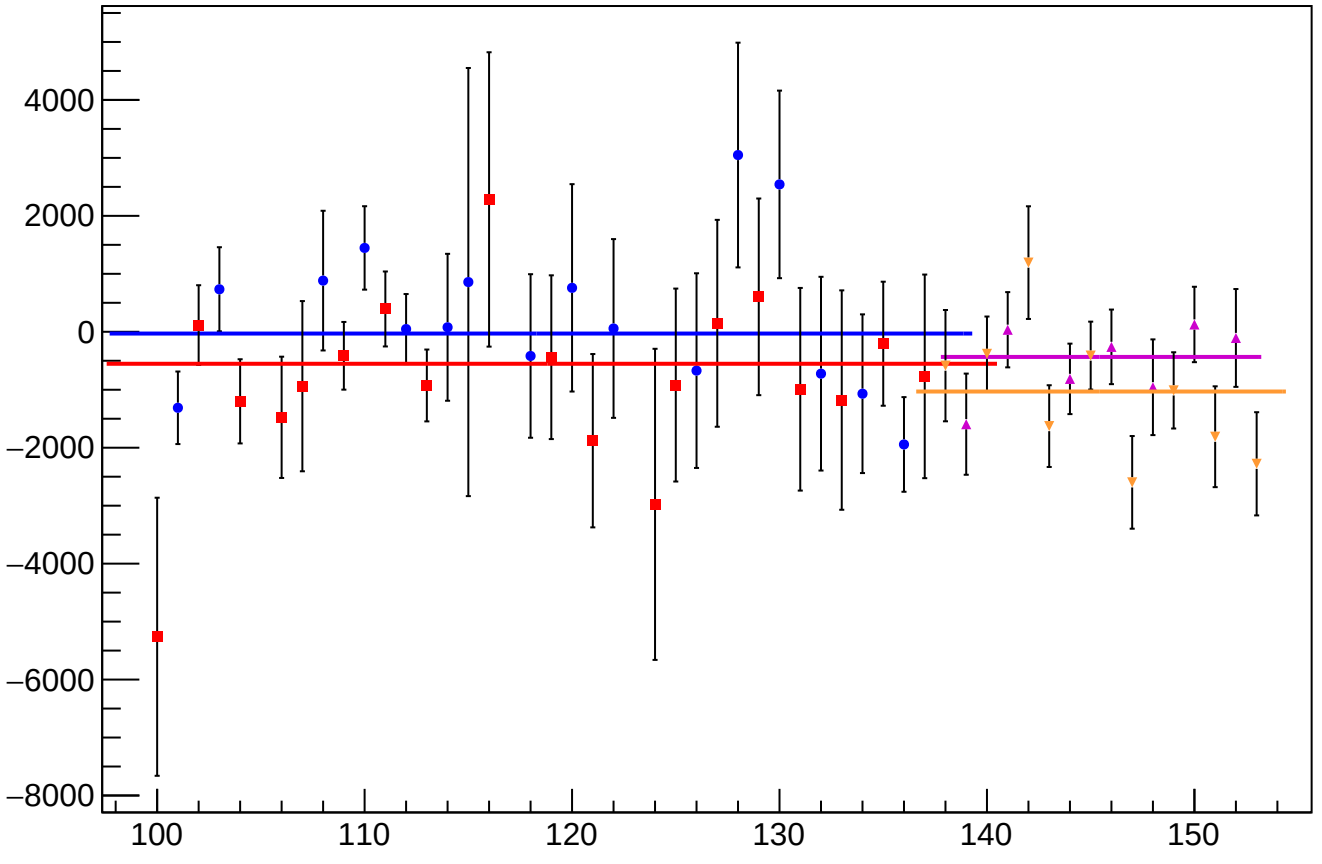
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 92.229+/-0.027 χ^2/NDF:125446.5/6

+ sign 86.579+/-0.017 χ^2/NDF: 1121098.4/24

All: 85.136+/-0.012 χ^2/NDF: 2367257.0/50

- sign 83.704+/-0.017 χ^2/NDF: 1231119.7/25



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1030.552+/-250.448 χ^2/NDF:14.9/8

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

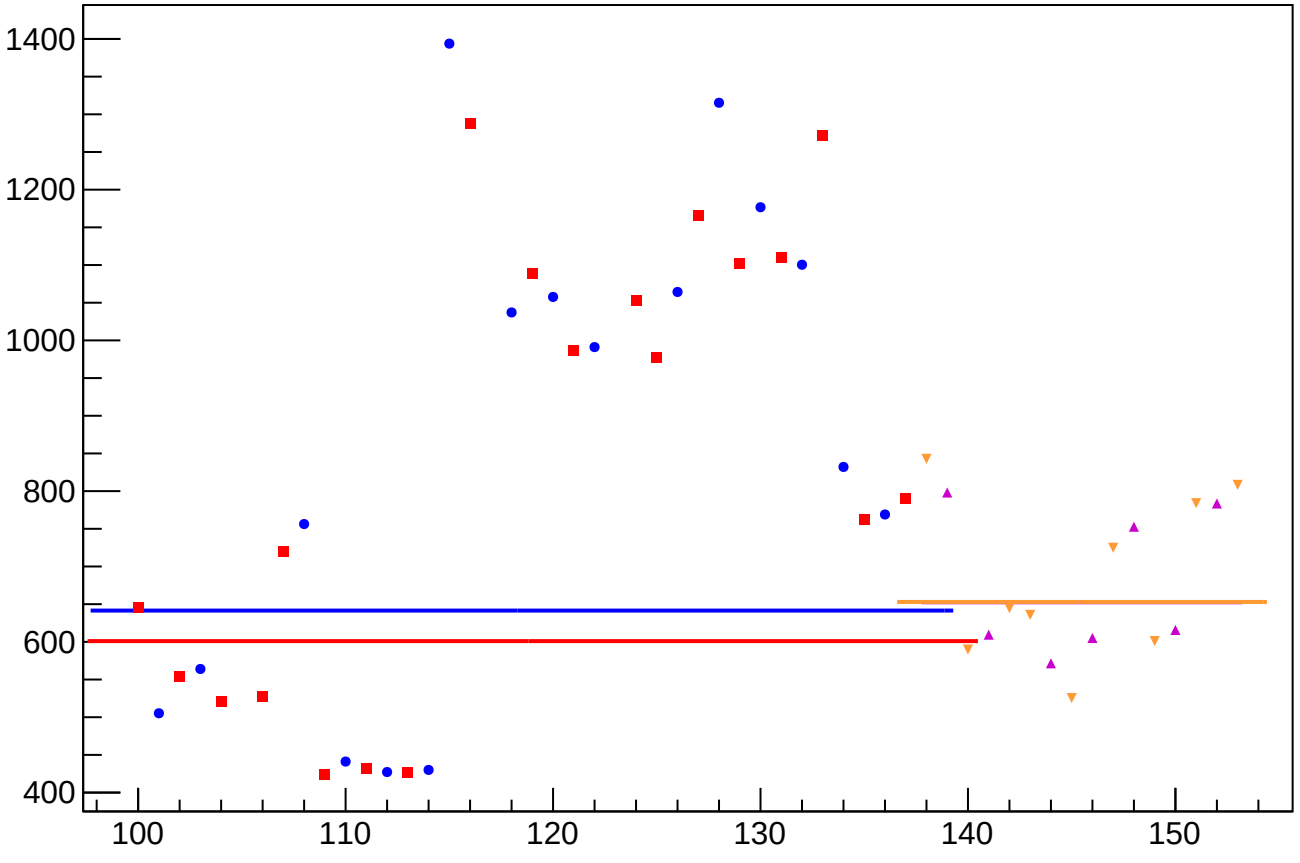
Left In: -433.758+/-266.858 χ^2/NDF:4.0/6

+ sign -543.408+/-179.366 χ^2/NDF: 44.6/24

All: -521.237+/-126.305 χ^2/NDF: 61.6/50

- sign -499.430+/-177.887 χ^2/NDF: 17.0/25

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 652.949+/-0.177 χ^2/NDF:328565.0/8

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

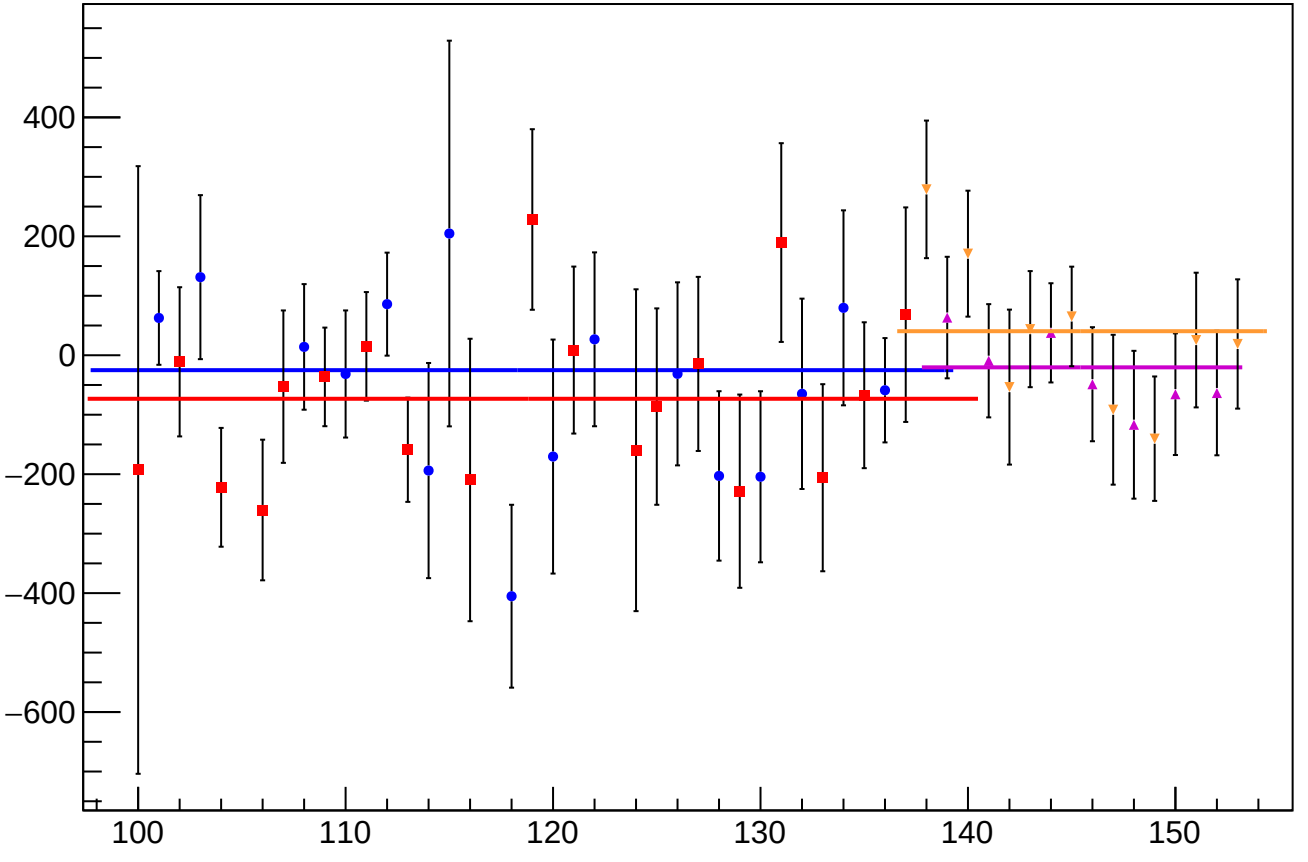
Left In: 652.523+/-0.189 χ^2/NDF:194925.1/6

+ sign 647.376+/-0.127 χ^2/NDF: 2205548.2/24

All: 635.531+/-0.089 χ^2/NDF: 4536472.1/50

- sign 623.881+/-0.126 χ^2/NDF: 2313623.1/25

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 40.442+/-35.640 χ^2/NDF:10.5/8

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

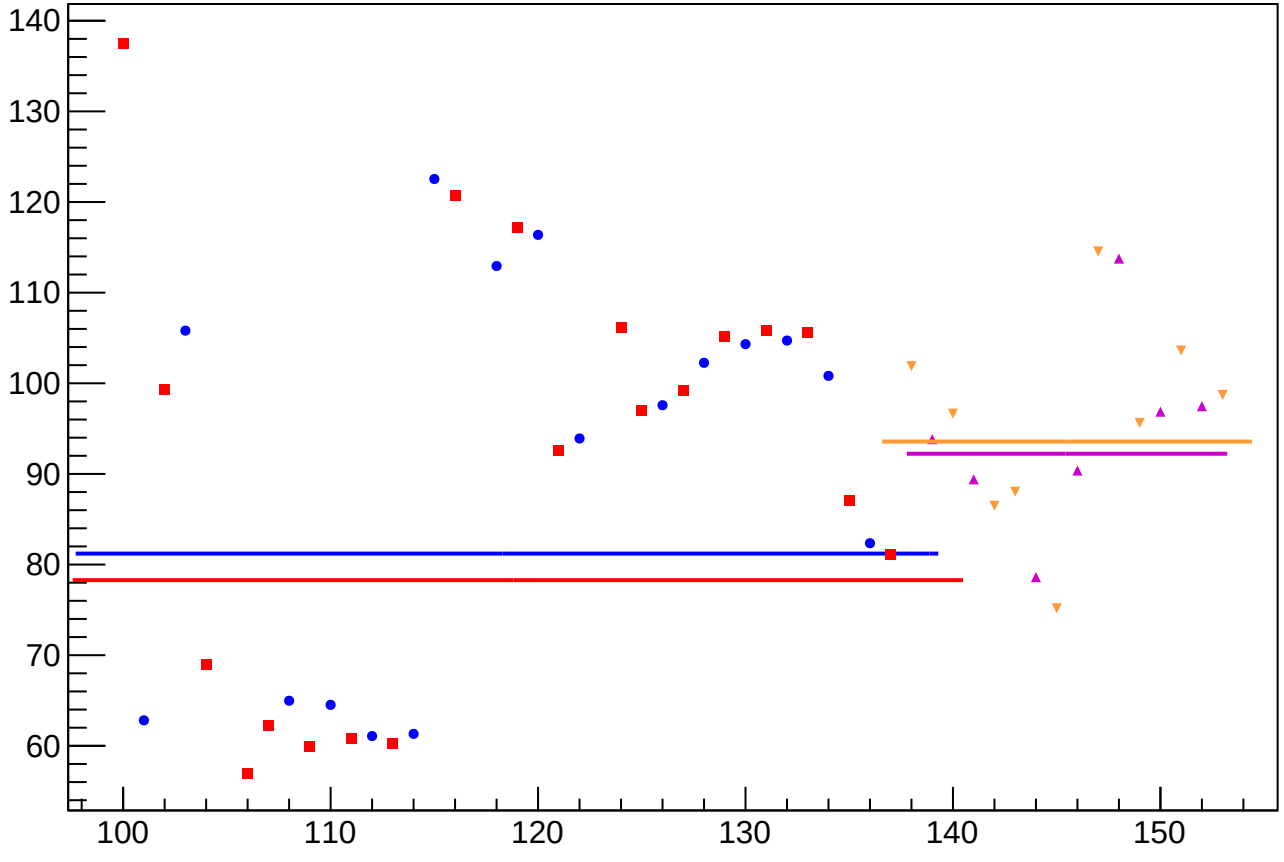
Left In: -20.345+/-37.530 χ^2/NDF:2.2/6

+ sign 3.381+/-23.488 χ^2/NDF: 28.6/24

All: -24.732+/-16.578 χ^2/NDF: 51.7/50

- sign -52.642+/-23.403 χ^2/NDF: 20.2/25

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 93.572+/-0.025 χ^2/NDF:197306.5/8

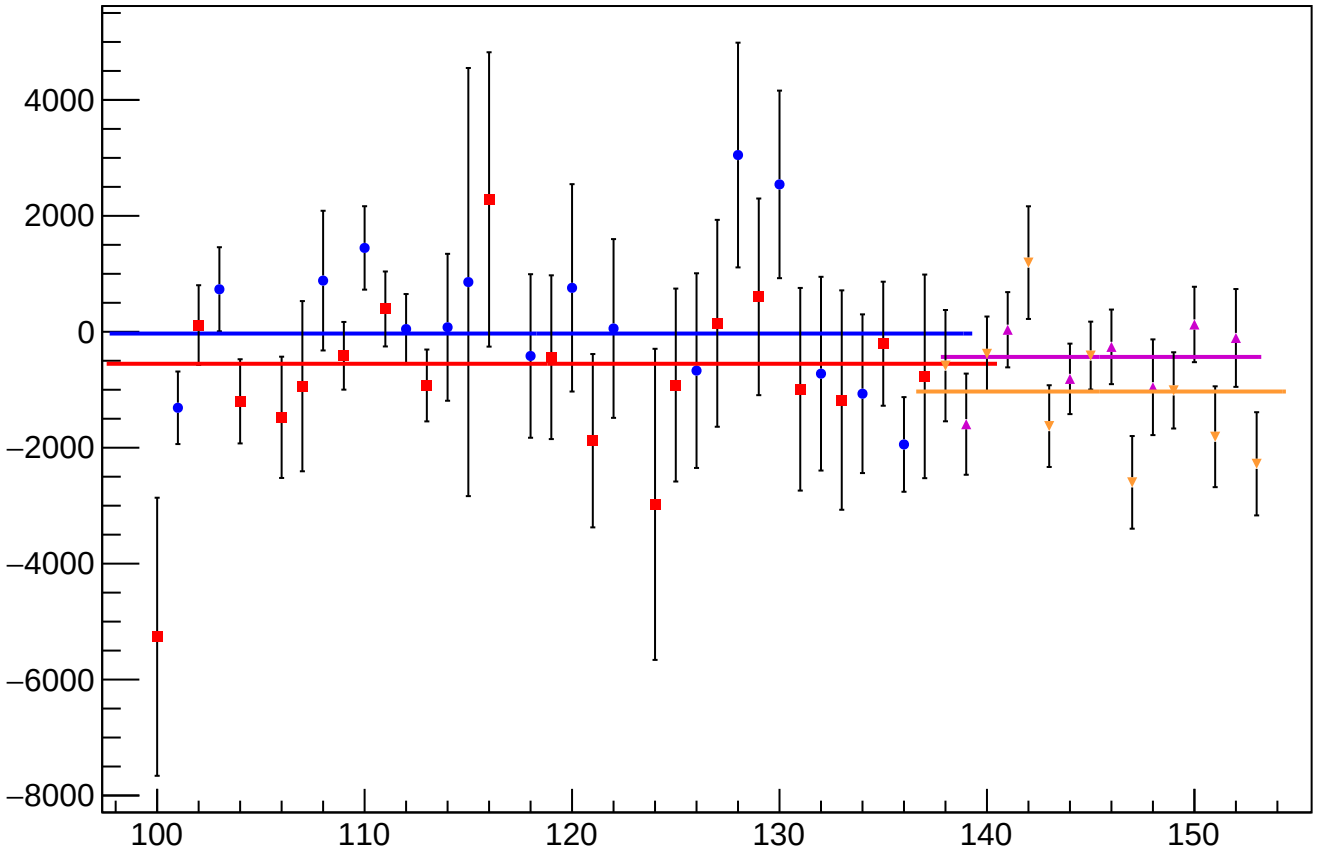
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 92.229+/-0.027 χ^2/NDF:125446.5/6

+ sign 86.579+/-0.017 χ^2/NDF: 1121098.4/24

All: 85.136+/-0.012 χ^2/NDF: 2367257.0/50

- sign 83.704+/-0.017 χ^2/NDF: 1231119.7/25



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1030.552+/-250.448 χ^2/NDF:14.9/8

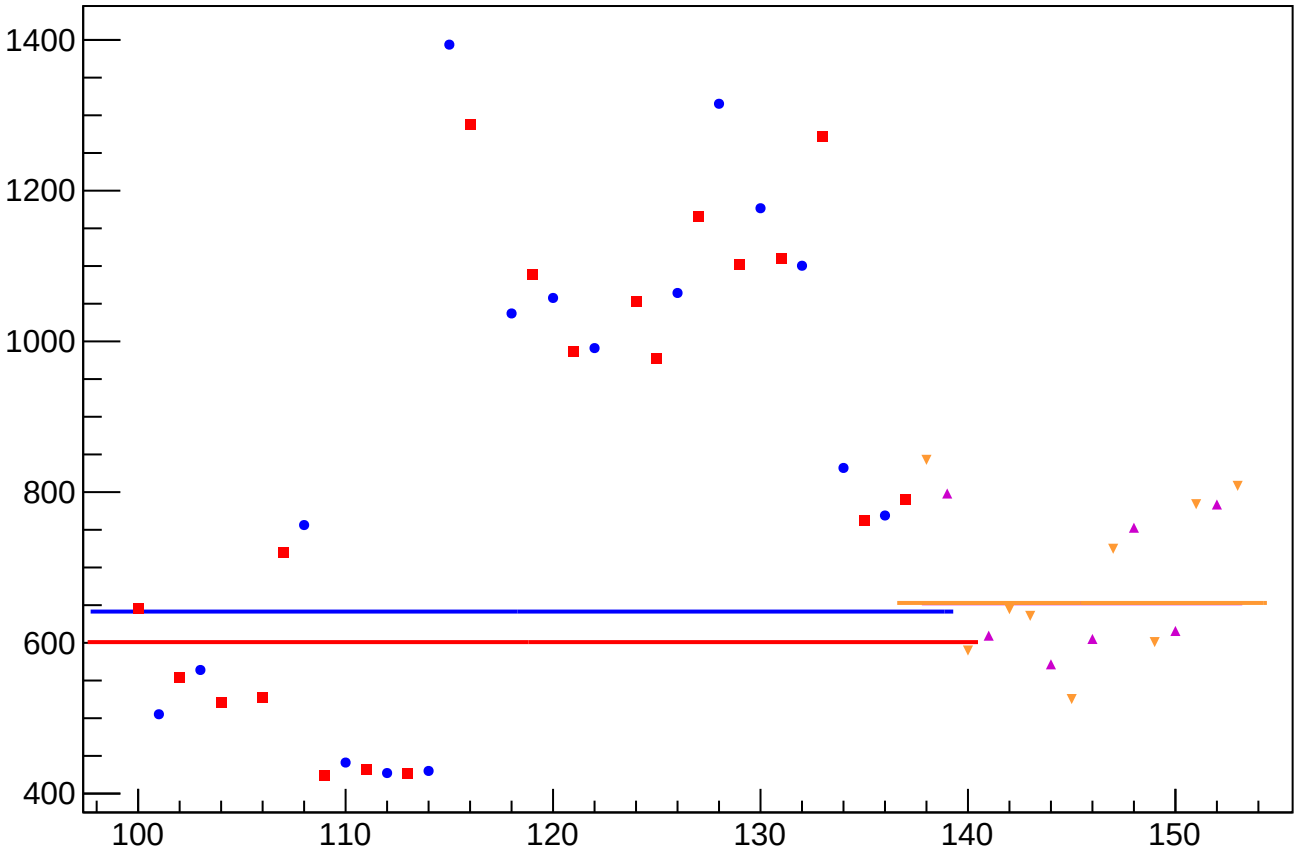
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -433.758+/-266.858 χ^2/NDF:4.0/6

+ sign -543.408+/-179.366 χ^2/NDF: 44.6/24

All: -521.237+/-126.305 χ^2/NDF: 61.6/50

- sign -499.430+/-177.887 χ^2/NDF: 17.0/25



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 652.949+/-0.177 χ^2/NDF:328565.0/8

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

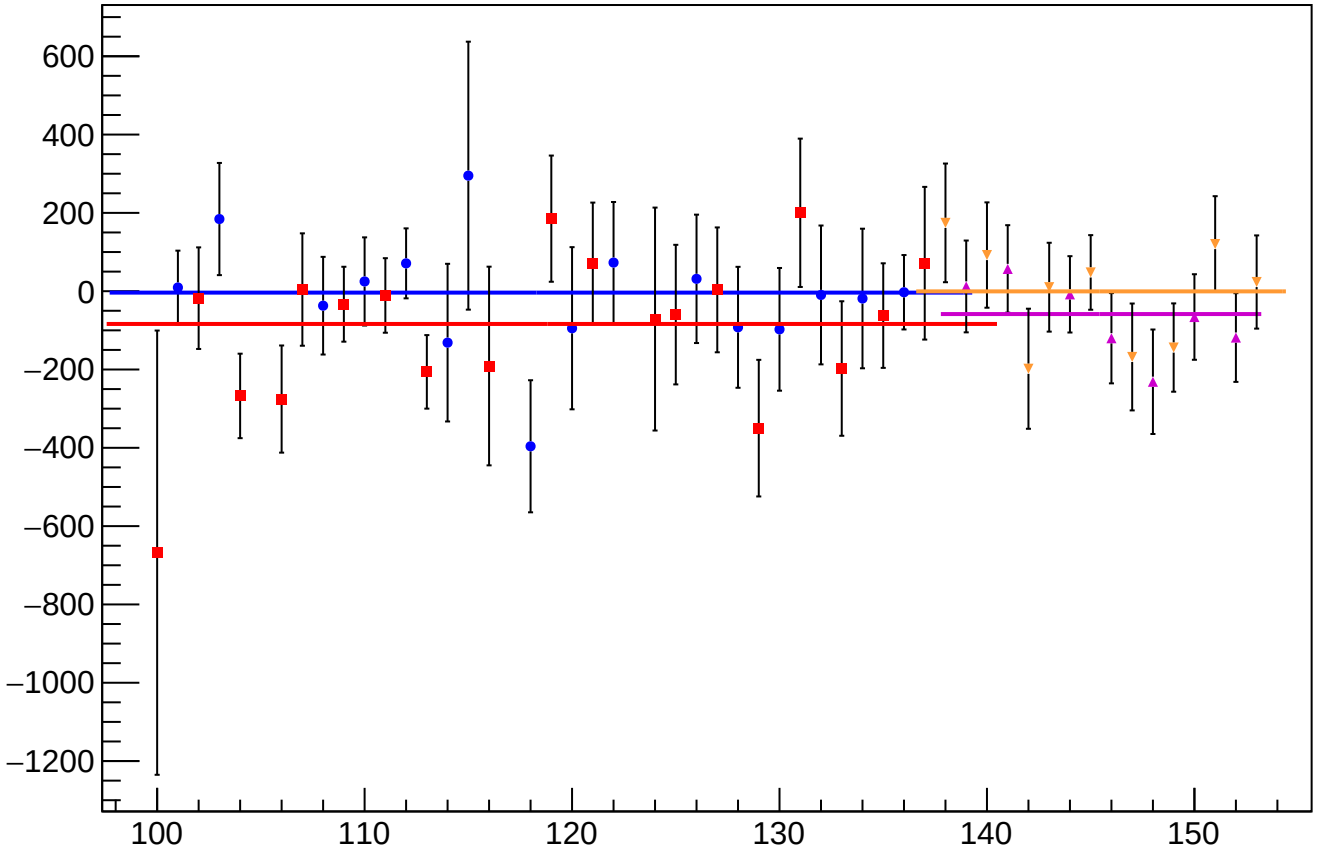
Left In: 652.523+/-0.189 χ^2/NDF:194925.1/6

+ sign 647.376+/-0.127 χ^2/NDF: 2205548.2/24

All: 635.531+/-0.089 χ^2/NDF: 4536472.1/50

- sign 623.881+/-0.126 χ^2/NDF: 2313623.1/25

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -0.475+/-40.863 χ^2/NDF:7.9/8

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

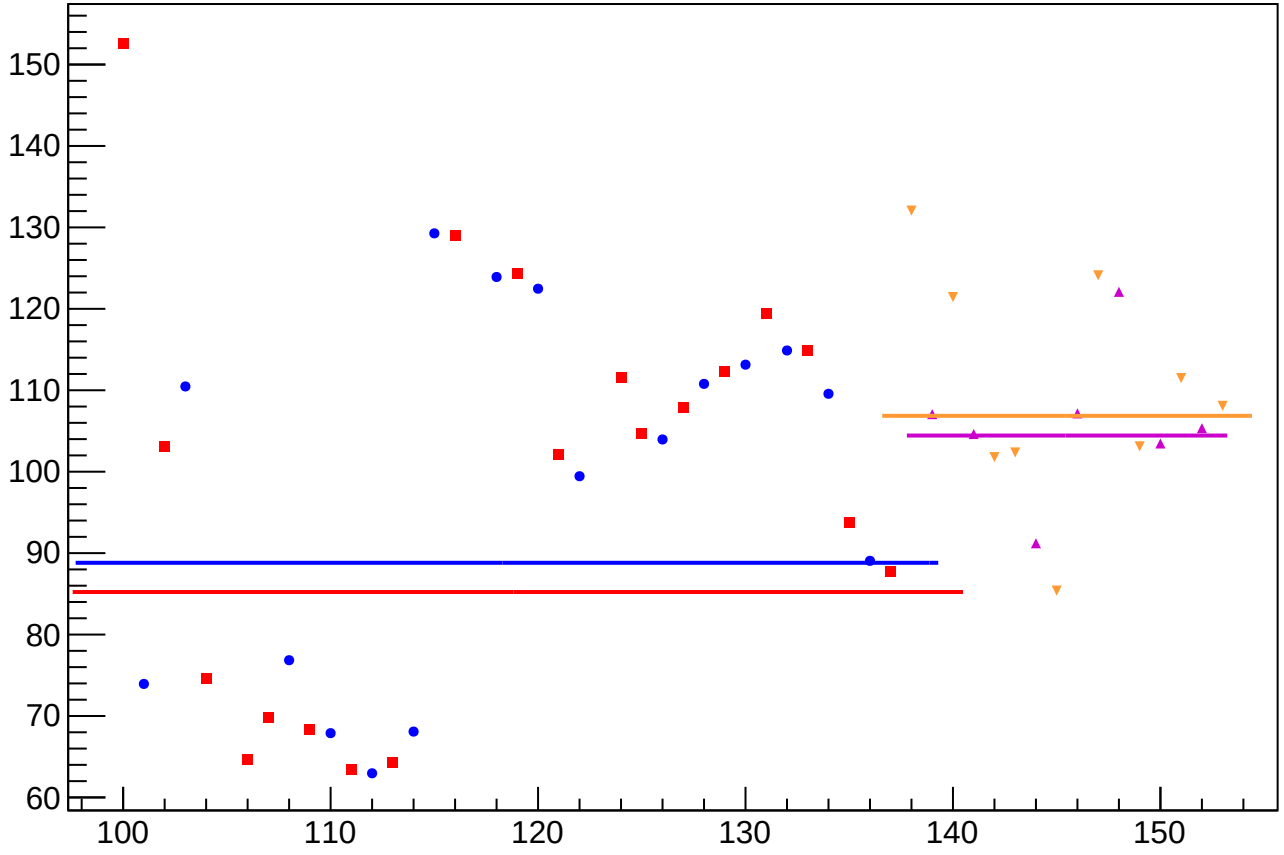
Left In: -58.385+/-42.589 χ^2/NDF:3.9/6

+ sign -2.335+/-26.205 χ^2/NDF: 18.2/24

All: -38.745+/-18.422 χ^2/NDF: 45.3/50

- sign -74.321+/-25.903 χ^2/NDF: 23.2/25

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 106.862+/-0.029 χ^2/NDF:222848.9/8

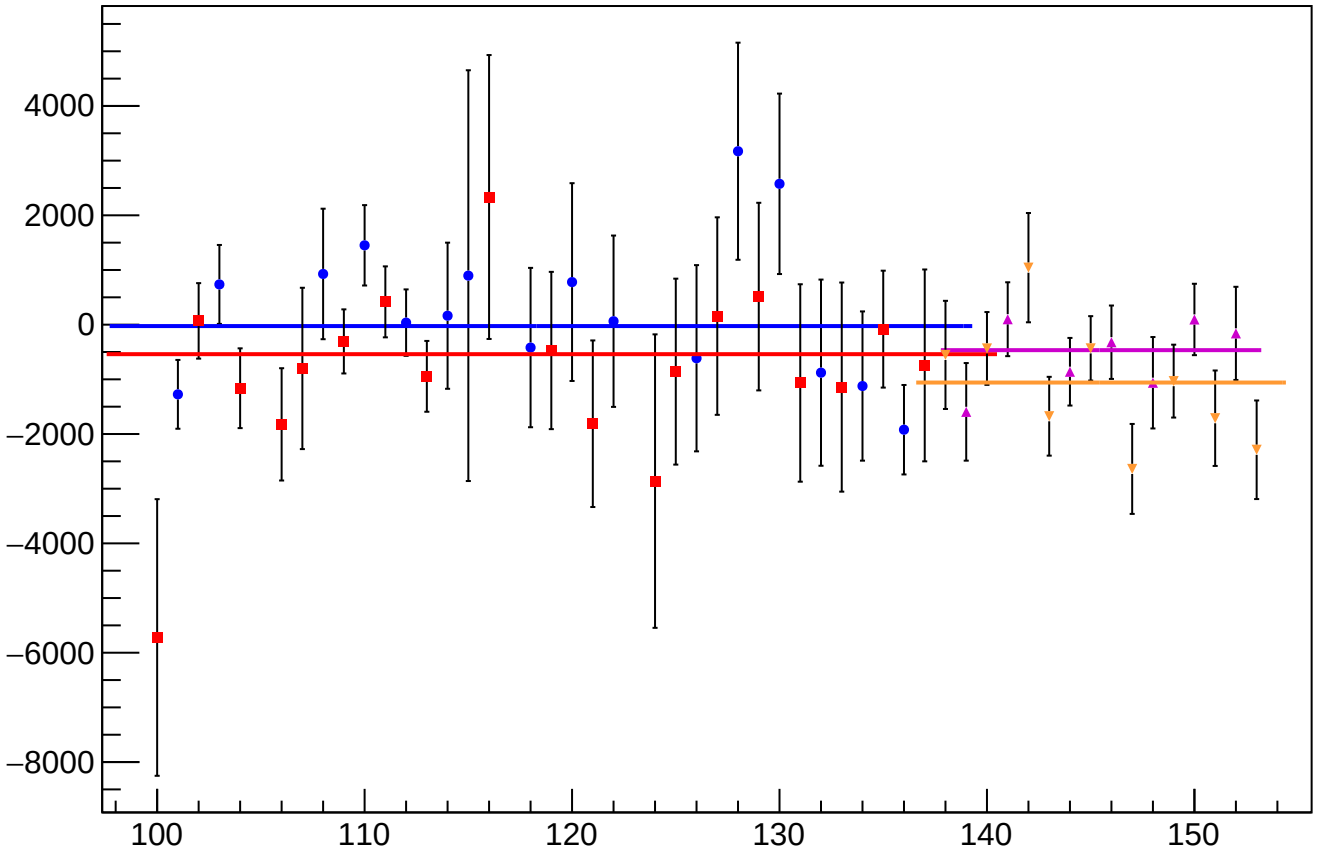
Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 104.439+/-0.030 χ^2/NDF:74243.2/6

+ sign 96.236+/-0.019 χ^2/NDF: 1177178.4/24

All: 94.262+/-0.013 χ^2/NDF: 2414446.3/50

- sign 92.332+/-0.018 χ^2/NDF: 1214821.4/25



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1058.551+/-255.152 χ^2/NDF:13.5/8

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

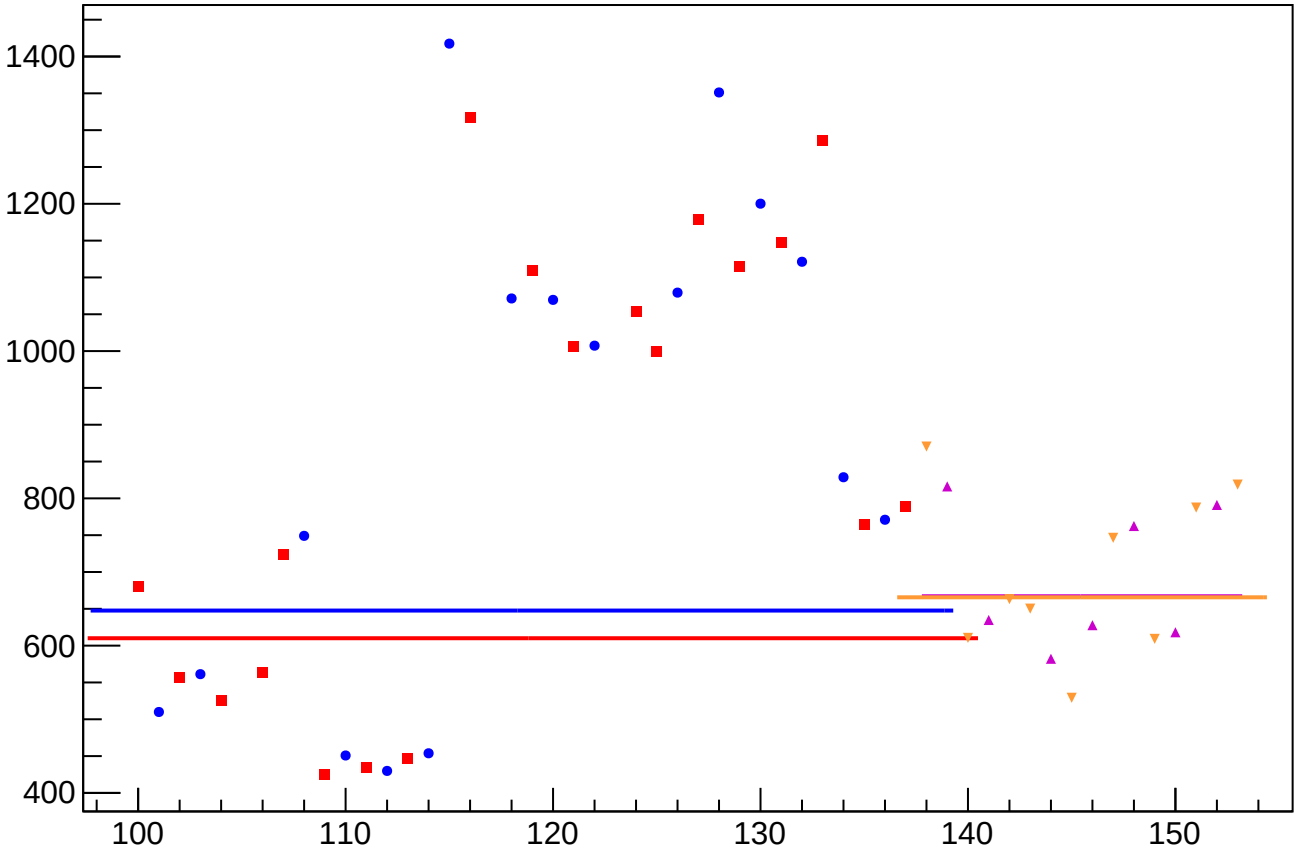
Left In: -466.210+/-272.826 χ^2/NDF:4.1/6

+ sign -550.690+/-181.903 χ^2/NDF: 43.1/24

All: -528.913+/-128.205 χ^2/NDF: 61.0/50

- sign -507.417+/-180.722 χ^2/NDF: 17.8/25

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 665.623+/-0.180 χ^2/NDF:337942.4/8

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

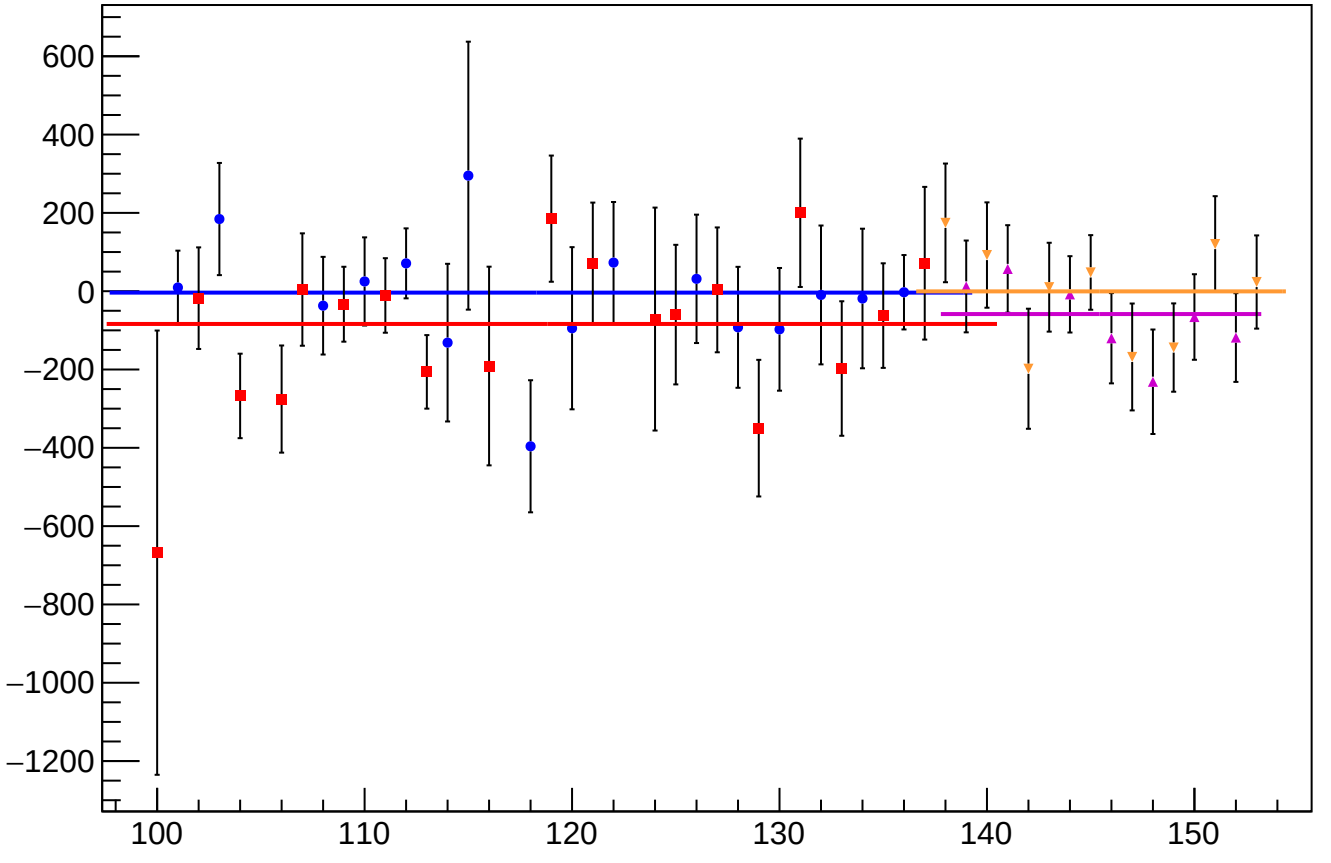
Left In: 667.078+/-0.193 χ^2/NDF:184564.7/6

+ sign 656.780+/-0.129 χ^2/NDF: 2230643.5/24

All: 645.859+/-0.091 χ^2/NDF: 4552805.9/50

- sign 635.079+/-0.128 χ^2/NDF: 2307836.8/25

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -0.475+/-40.863 χ^2/NDF:7.9/8

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

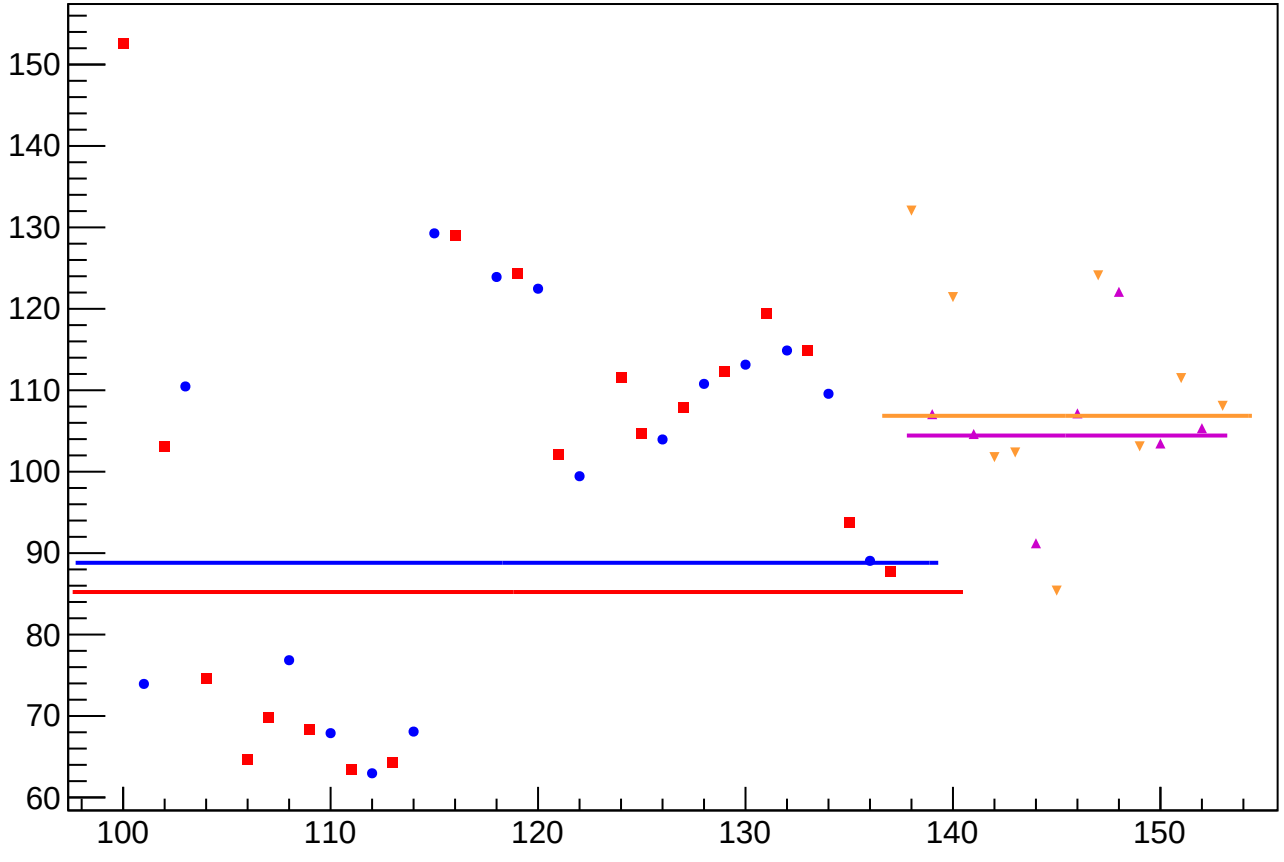
Left In: -58.386+/-42.589 χ^2/NDF:3.9/6

+ sign -2.334+/-26.205 χ^2/NDF: 18.2/24

All: -38.745+/-18.422 χ^2/NDF: 45.3/50

- sign -74.321+/-25.903 χ^2/NDF: 23.2/25

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 106.862+/-0.029 χ^2/NDF:222847.3/8

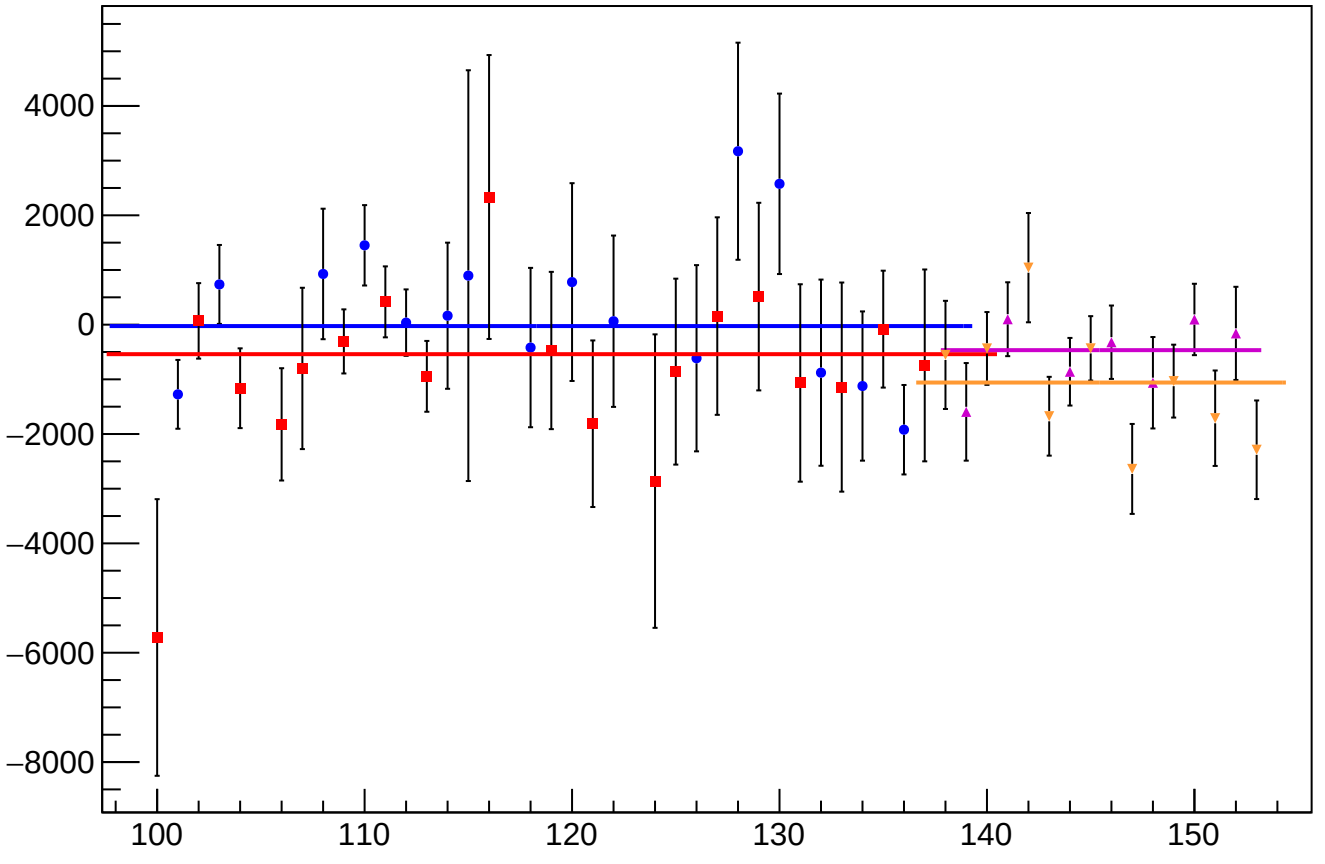
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 104.440+/-0.030 χ^2/NDF:74243.0/6

+ sign 96.236+/-0.019 χ^2/NDF: 1177182.7/24

All: 94.262+/-0.013 χ^2/NDF: 2414459.9/50

- sign 92.333+/-0.018 χ^2/NDF: 1214830.6/25



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1058.551+/-255.151 χ^2/NDF:13.5/8

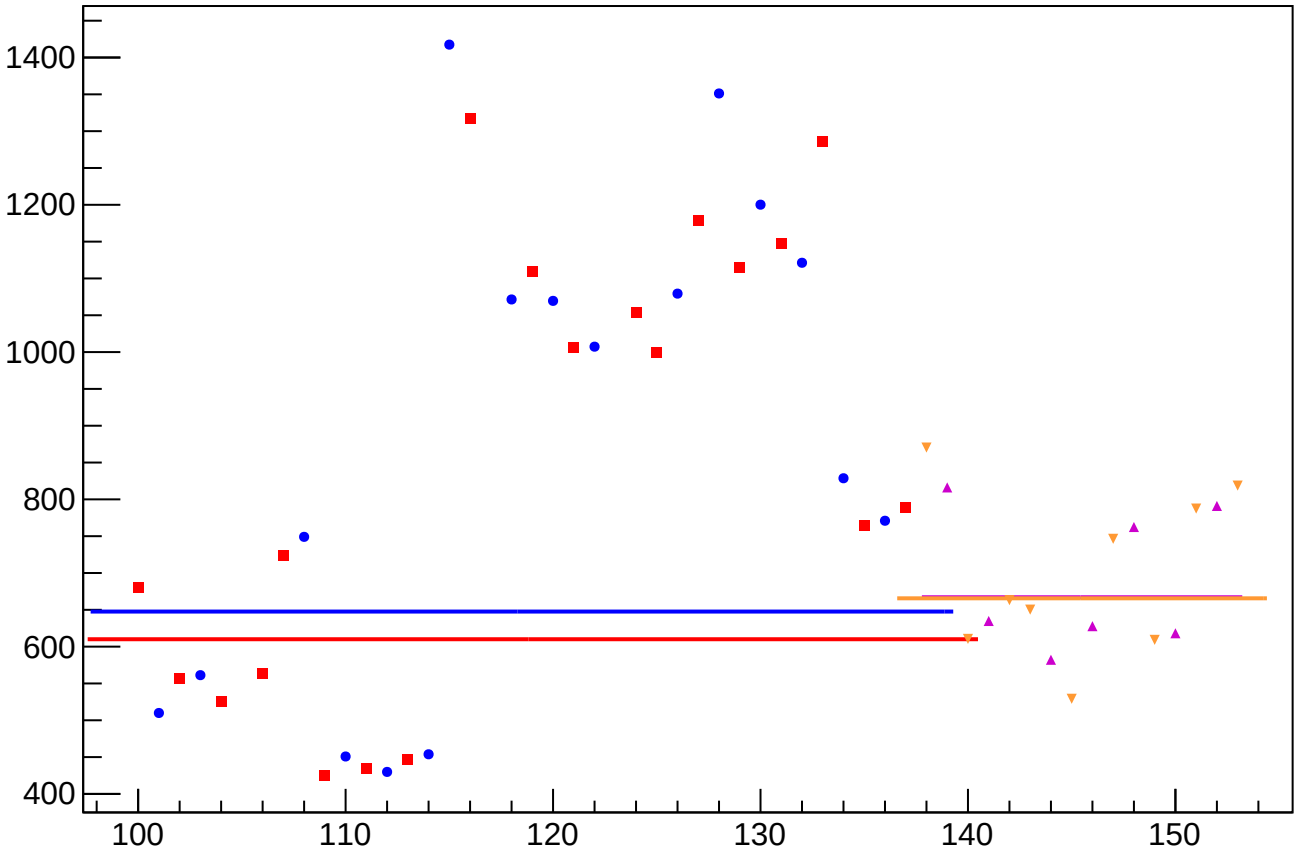
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -466.210+/-272.826 χ^2/NDF:4.1/6

+ sign -550.690+/-181.903 χ^2/NDF: 43.1/24

All: -528.912+/-128.205 χ^2/NDF: 61.0/50

- sign -507.417+/-180.722 χ^2/NDF: 17.8/25



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 665.623+/-0.180 χ^2/NDF:337944.1/8

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

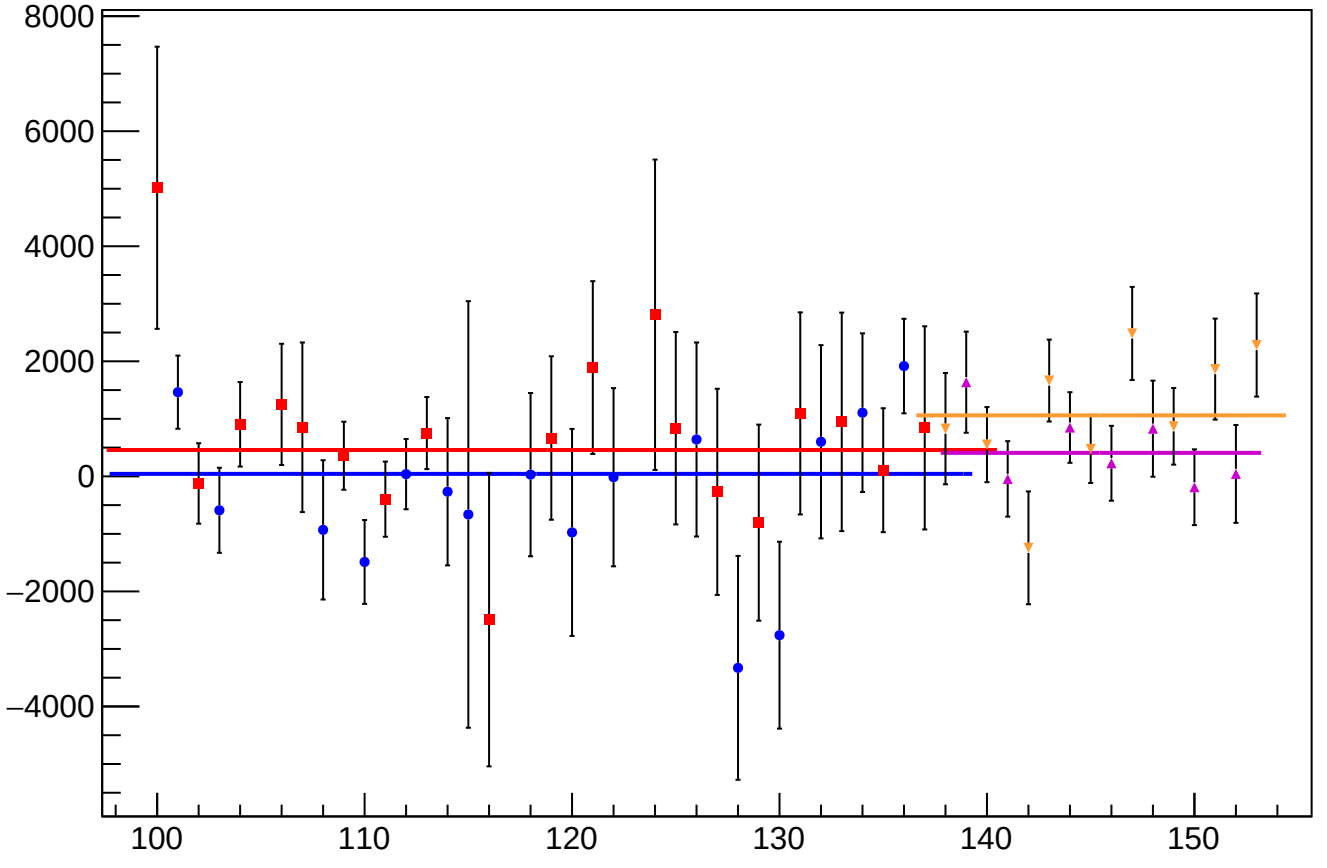
Left In: 667.078+/-0.193 χ^2/NDF:184563.8/6

+ sign 656.780+/-0.129 χ^2/NDF: 2230650.1/24

All: 645.859+/-0.091 χ^2/NDF: 4552815.7/50

- sign 635.079+/-0.128 χ^2/NDF: 2307840.1/25

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1060.292+/-253.129 χ^2/NDF:13.7/8

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

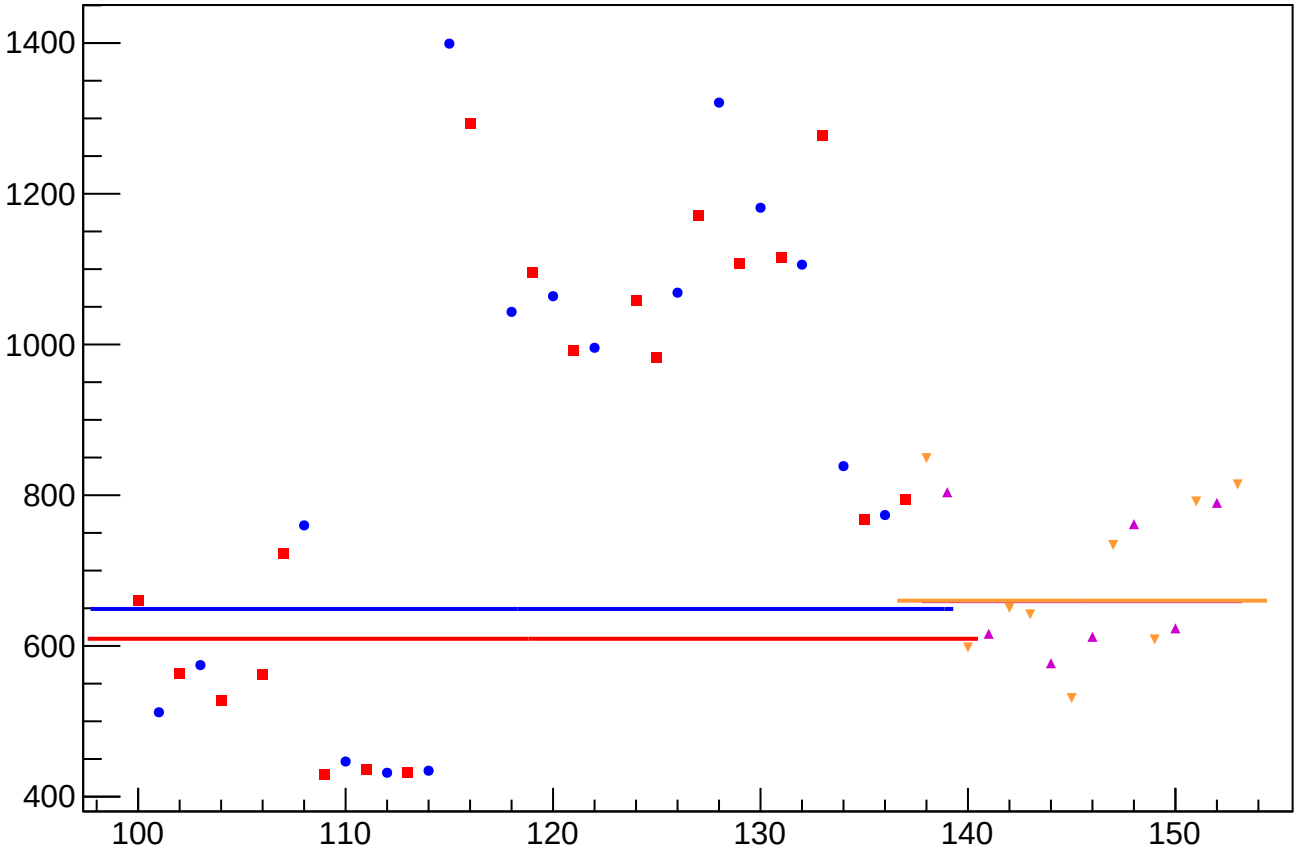
Left In: 408.629+/-269.627 χ^2/NDF:4.3/6

+ sign 564.941+/-181.300 χ^2/NDF: 44.8/24

All: 499.973+/-127.641 χ^2/NDF: 60.6/50

- sign 436.123+/-179.733 χ^2/NDF: 15.6/25

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 660.105+/-0.179 χ^2/NDF:324272.4/8

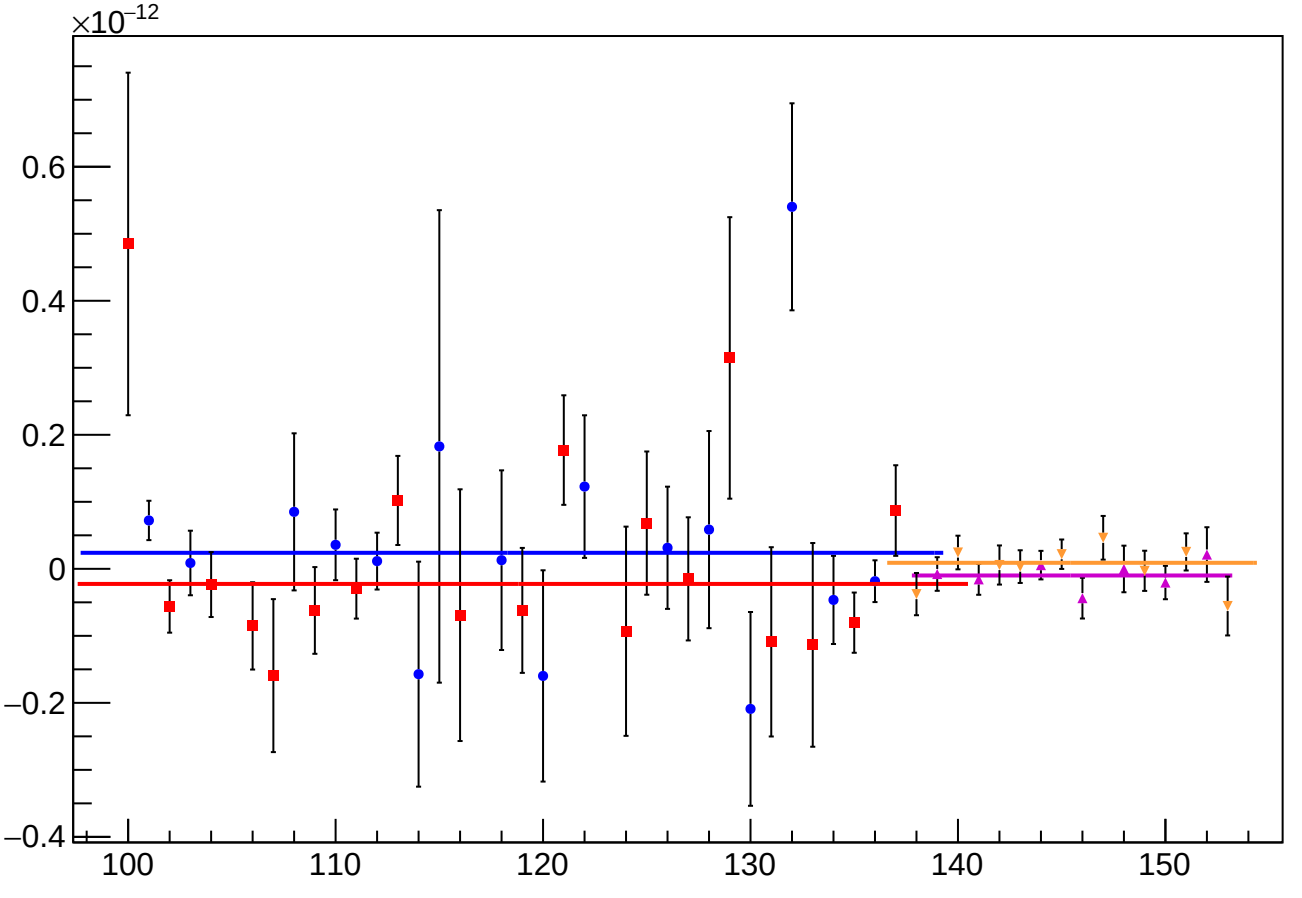
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 659.425+/-0.191 χ^2/NDF:192335.0/6

+ sign 654.741+/-0.128 χ^2/NDF: 2171932.3/24

All: 643.117+/-0.090 χ^2/NDF: 4462235.0/50

- sign 631.693+/-0.127 χ^2/NDF: 2274001.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/8

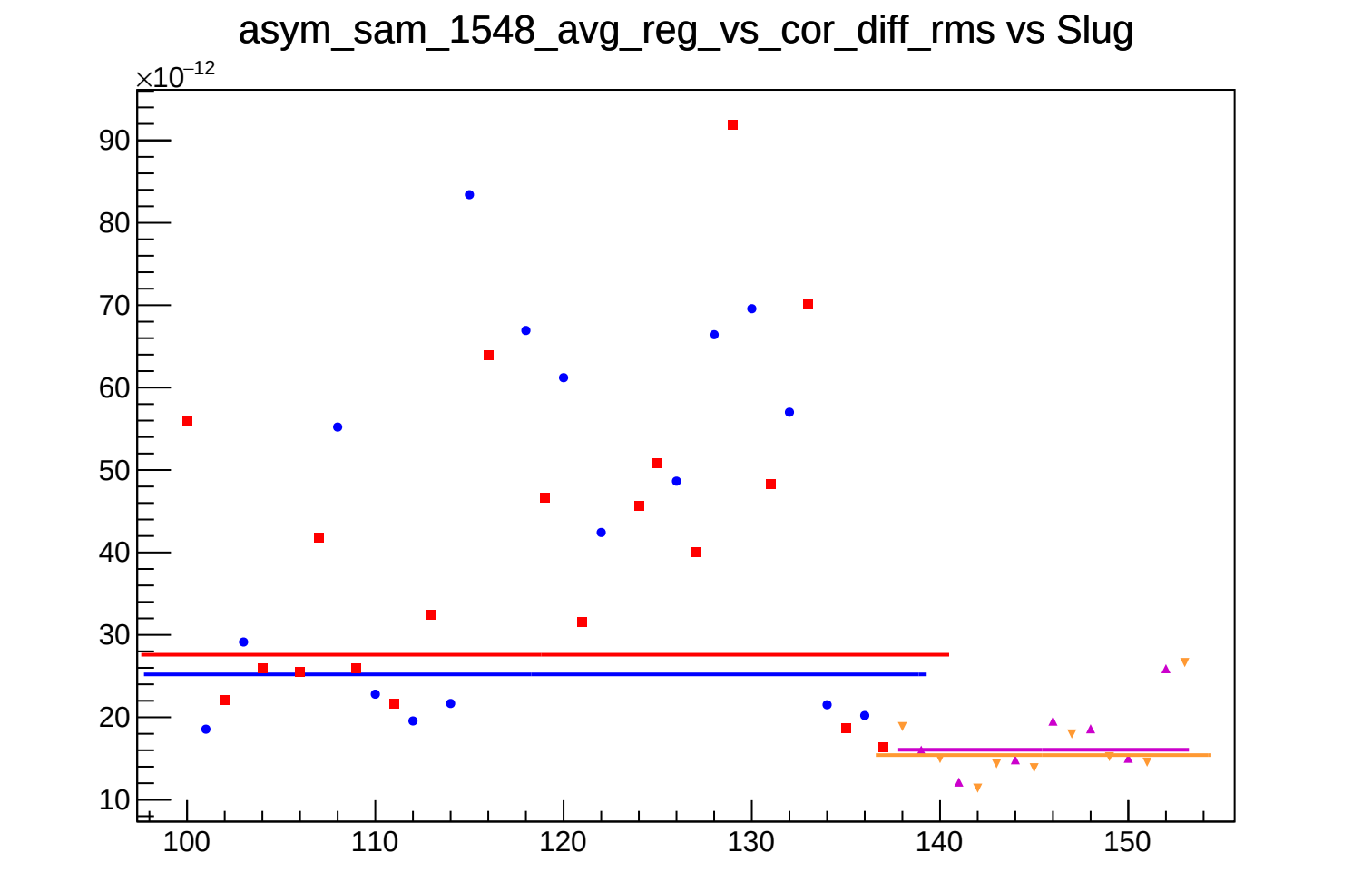
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 31.3/24

All: 0.000+/-0.000 χ^2/NDF: 65.2/50

- sign -0.000+/-0.000 χ^2/NDF: 28.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:220911.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

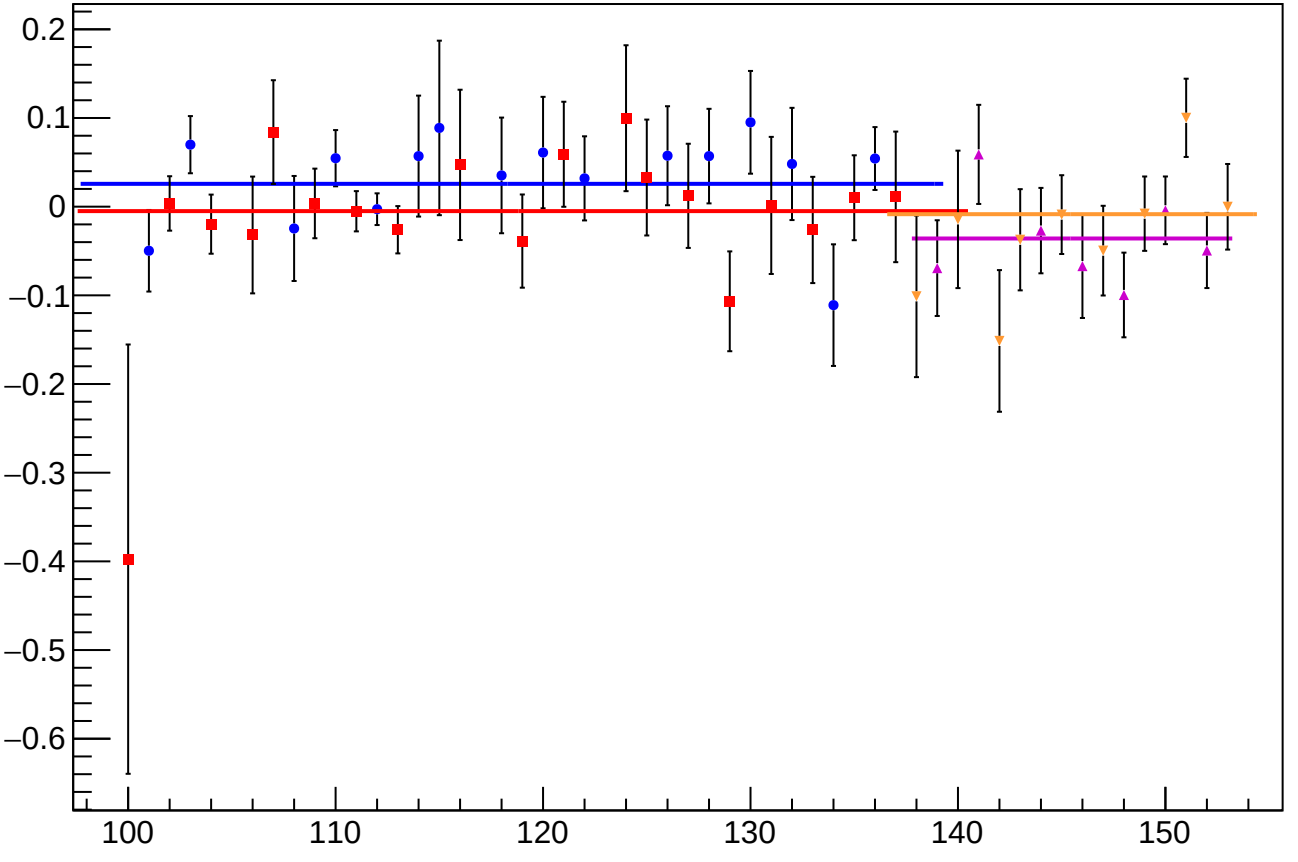
Left In: 0.000+/-0.000 χ^2/NDF:221005.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 2133872.0/24

All: 0.000+/-0.000 χ^2/NDF: 4082557.1/50

- sign 0.000+/-0.000 χ^2/NDF: 1929643.6/25

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.018 χ^2/NDF:11.3/8

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

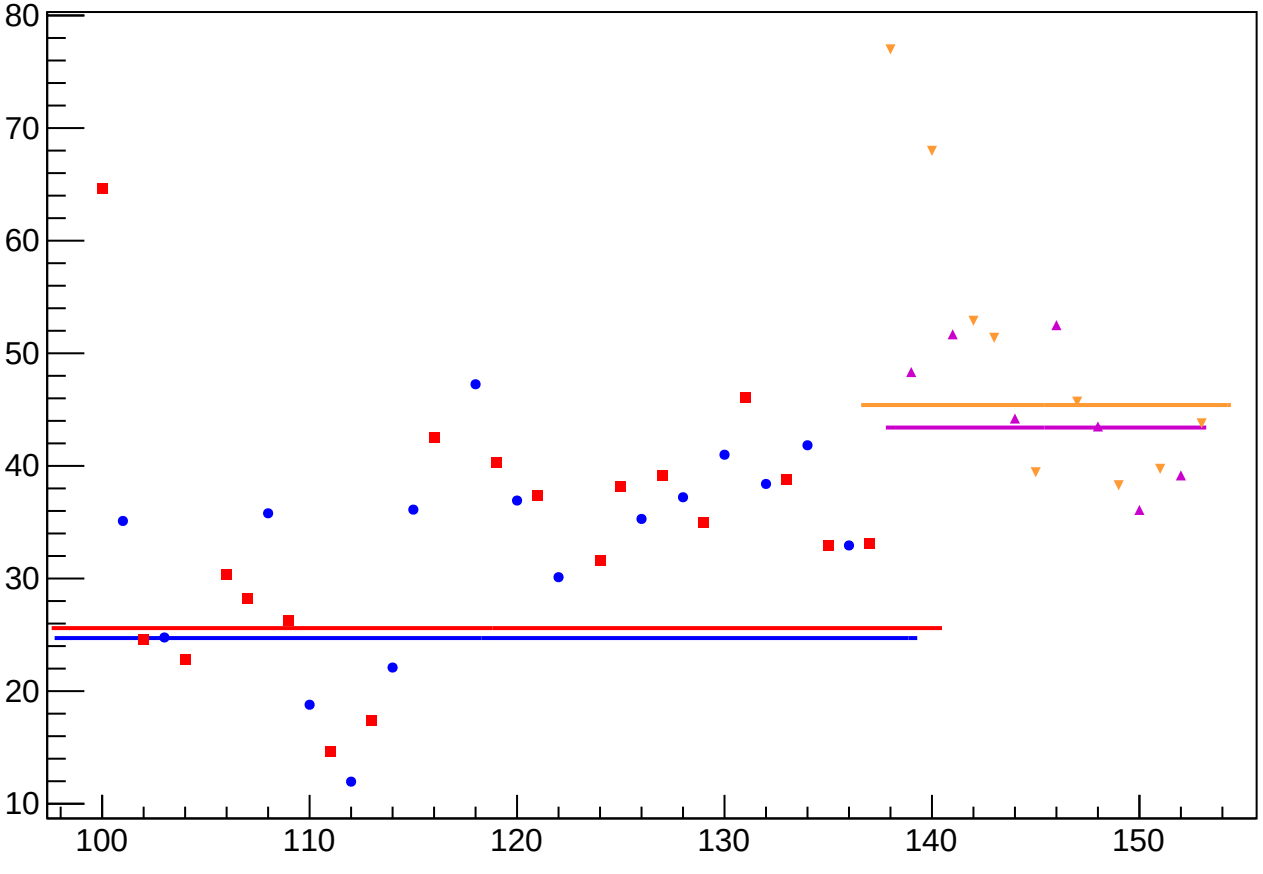
Left In: -0.036+/-0.018 χ^2/NDF:6.2/6

+ sign 0.017+/-0.009 χ^2/NDF: 30.5/24

All: 0.002+/-0.006 χ^2/NDF: 58.0/50

- sign -0.013+/-0.009 χ^2/NDF: 22.0/25

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.405+/-0.013 χ^2/NDF:578415.3/8

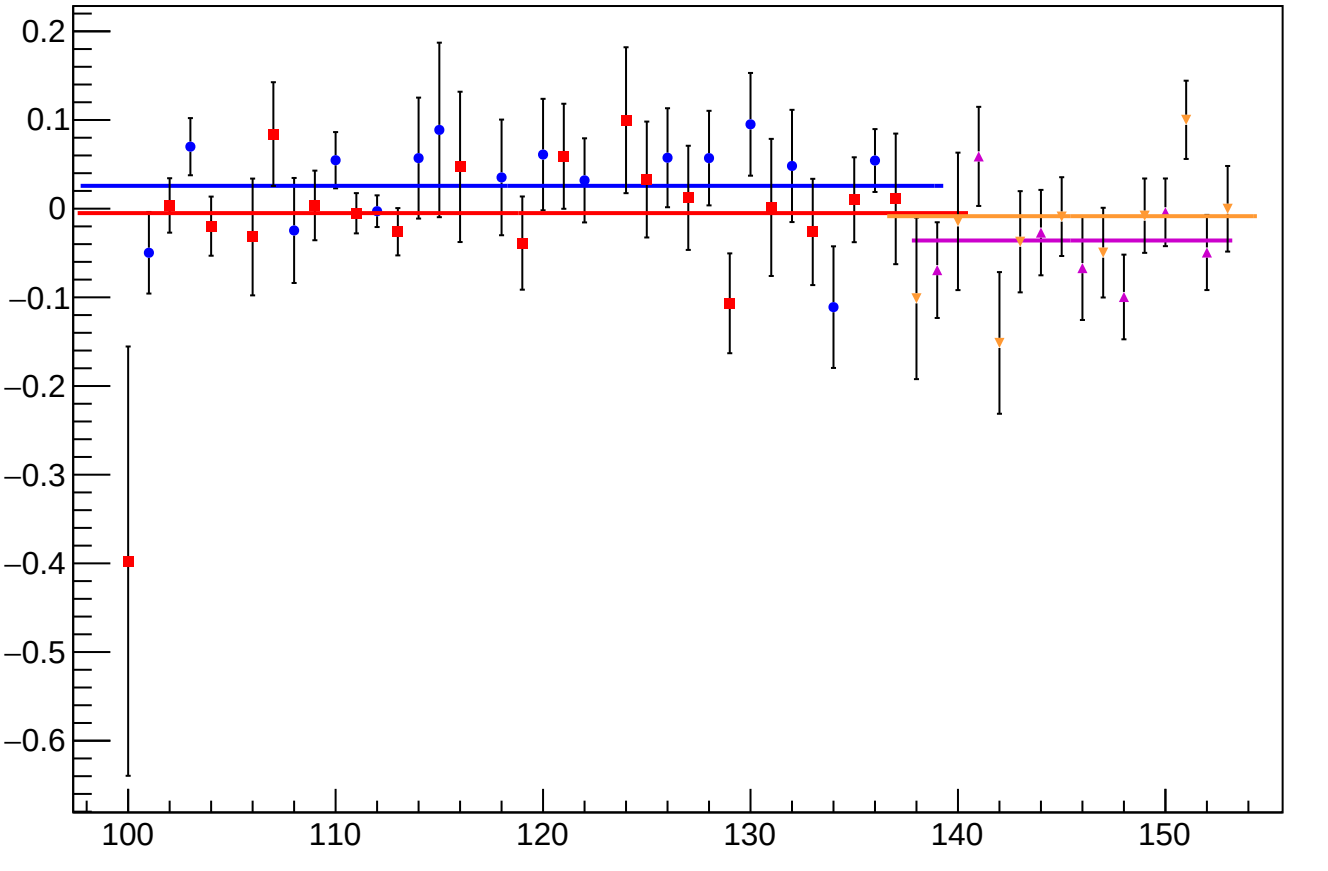
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.406+/-0.013 χ^2/NDF:203078.5/6

+ sign 29.950+/-0.006 χ^2/NDF: 4894418.7/24

All: 29.976+/-0.004 χ^2/NDF: 8167986.0/50

- sign 30.002+/-0.006 χ^2/NDF: 3273533.1/25



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.018 χ^2/NDF:11.3/8

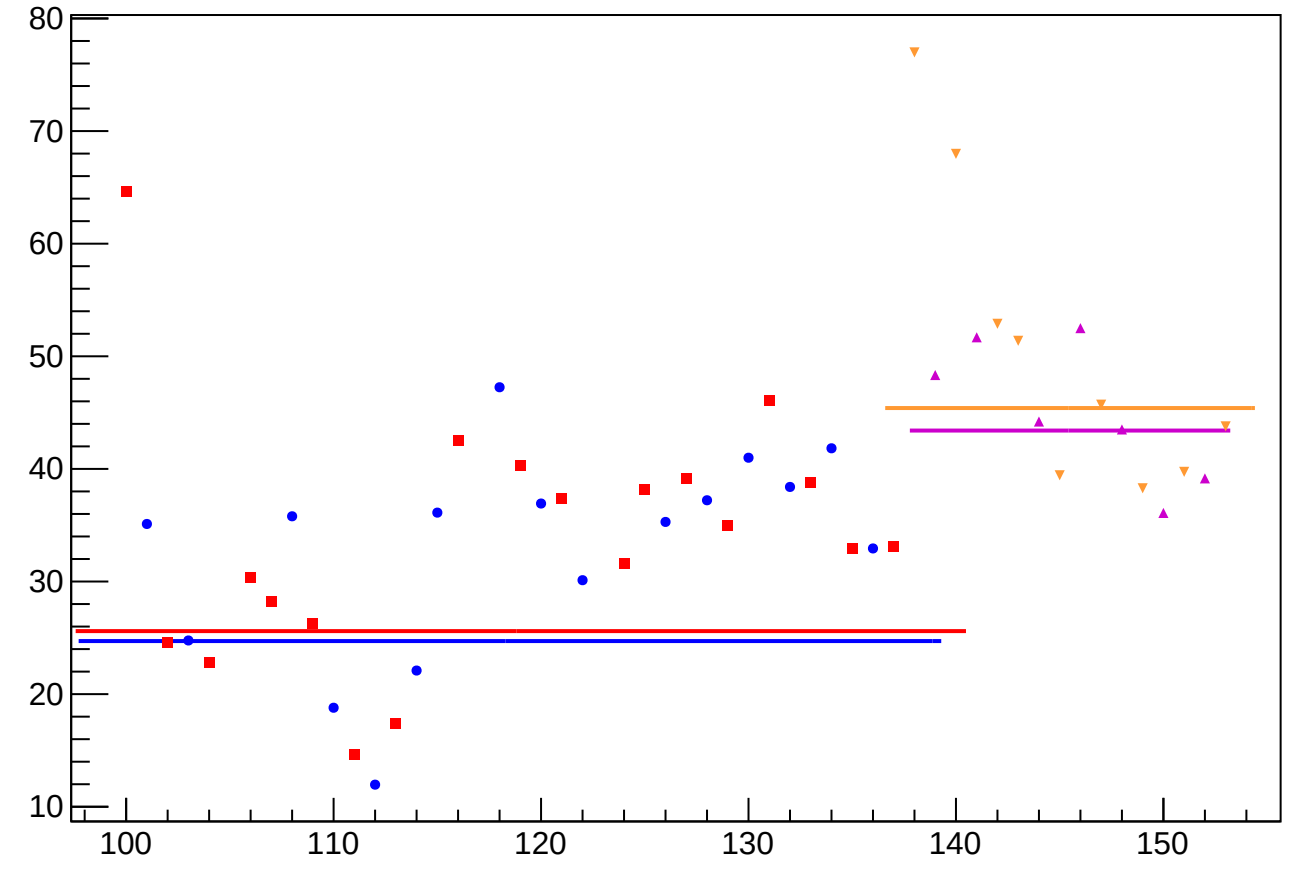
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.036+/-0.018 χ^2/NDF:6.2/6

+ sign 0.017+/-0.009 χ^2/NDF: 30.5/24

All: 0.002+/-0.006 χ^2/NDF: 58.0/50

- sign -0.013+/-0.009 χ^2/NDF: 22.0/25



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.405+/-0.013 χ^2/NDF:578415.3/8

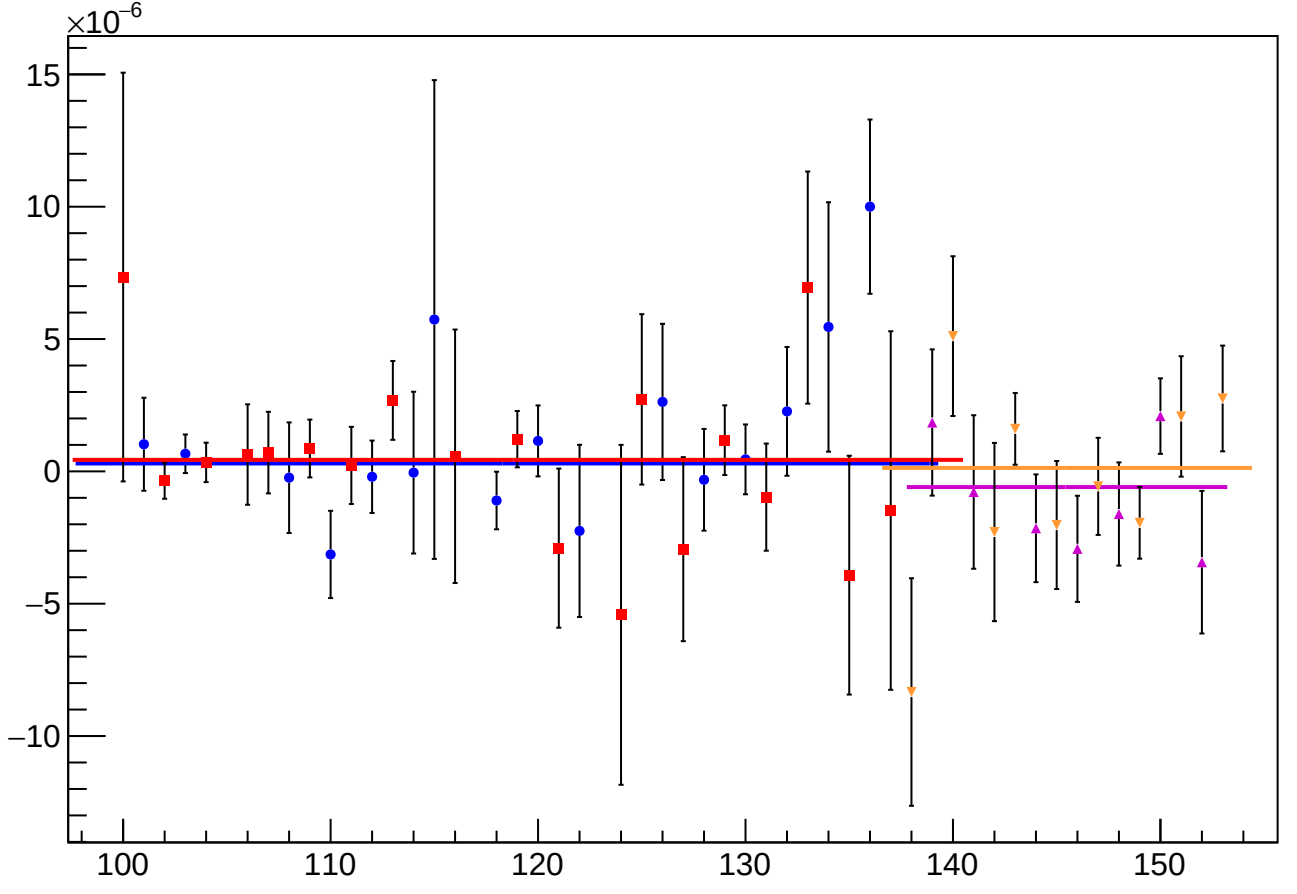
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.406+/-0.013 χ^2/NDF:203078.5/6

+ sign 29.950+/-0.006 χ^2/NDF: 4894418.7/24

All: 29.976+/-0.004 χ^2/NDF: 8167986.0/50

- sign 30.002+/-0.006 χ^2/NDF: 3273533.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/8

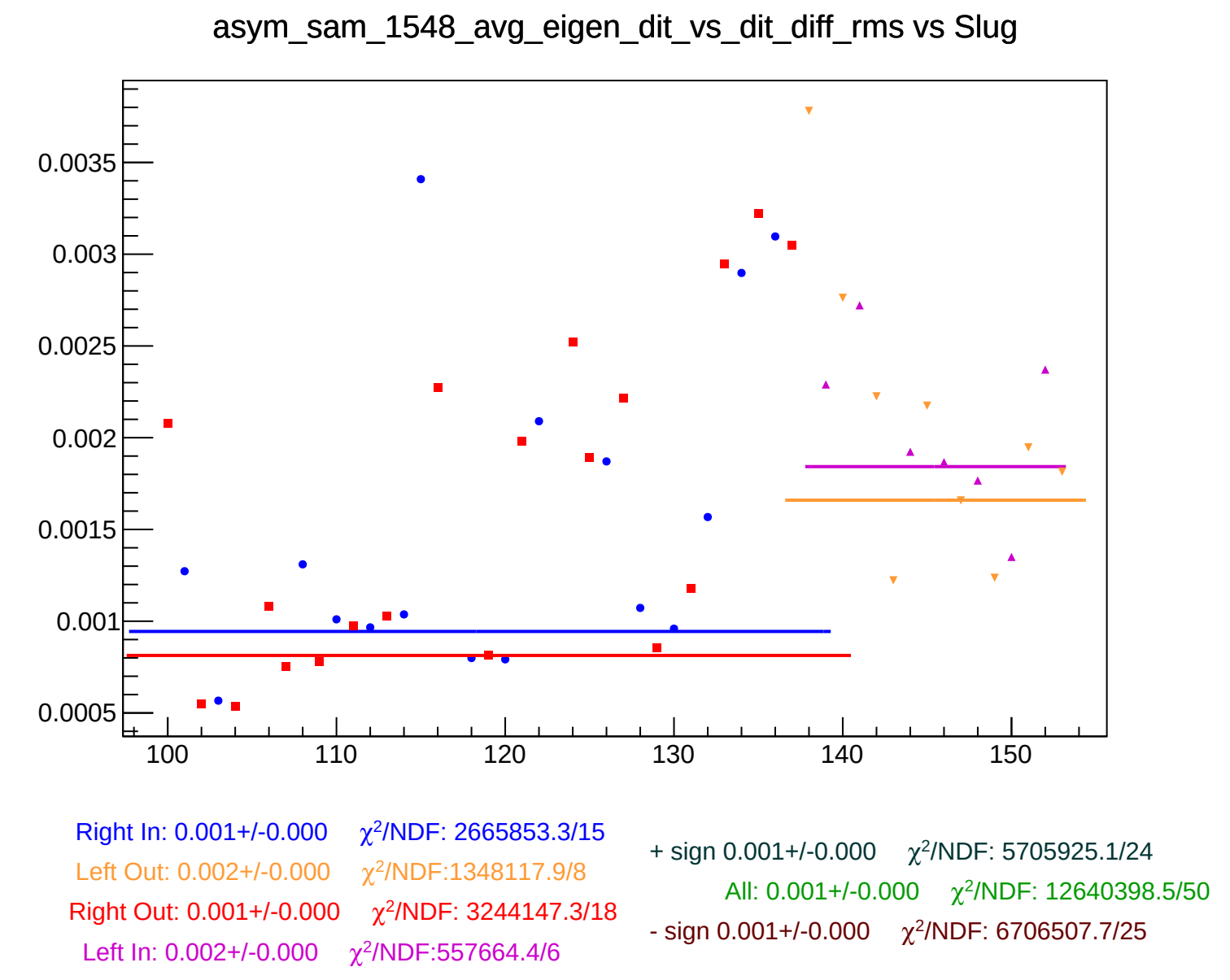
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

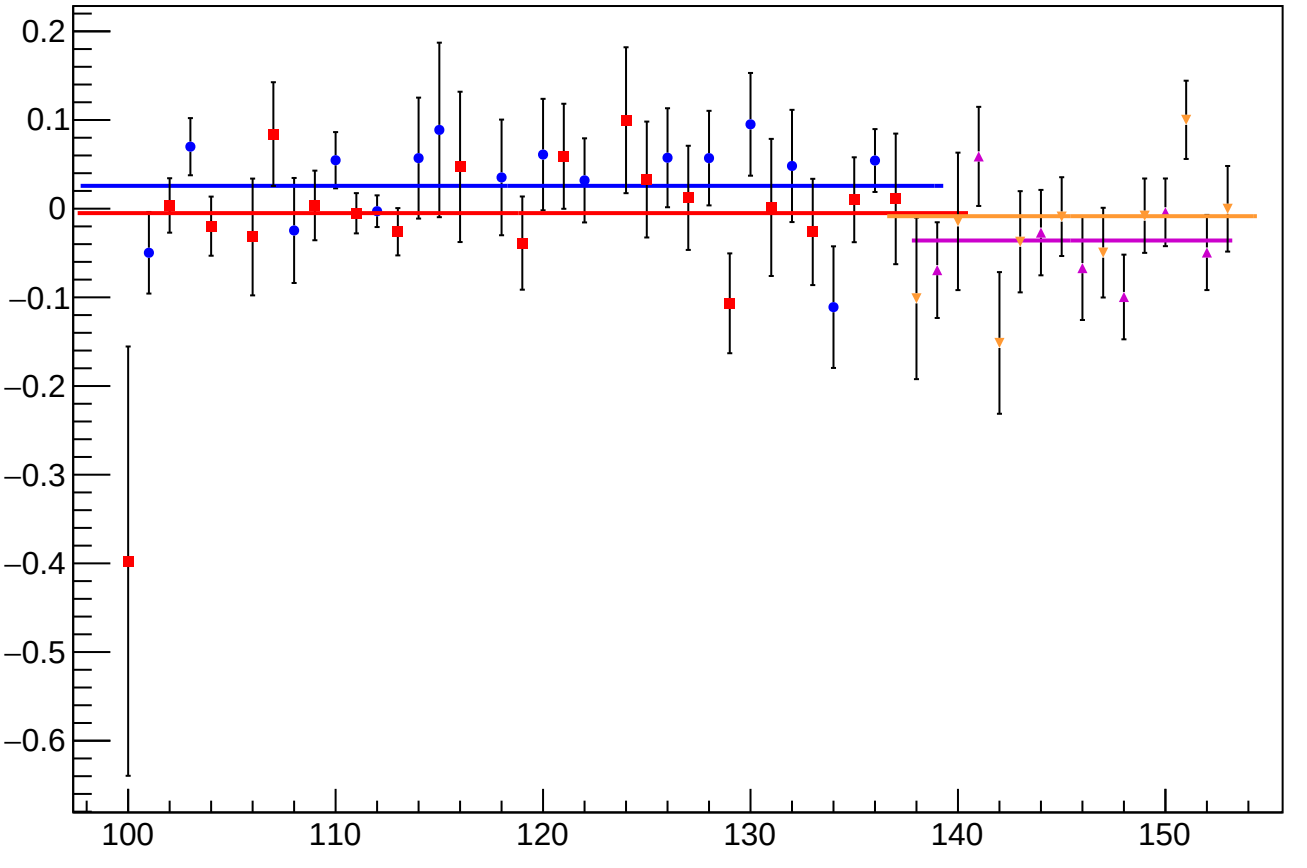
Left In: -0.000+/-0.000 χ^2/NDF:7.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/24

All: 0.000+/-0.000 χ^2/NDF: 55.2/50

- sign 0.000+/-0.000 χ^2/NDF: 21.8/25


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1348117.9/8
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:557664.4/6
+ sign 0.001+/-0.000 χ²/NDF: 5705925.1/24
All: 0.001+/-0.000 χ²/NDF: 12640398.5/50
- sign 0.001+/-0.000 χ²/NDF: 6706507.7/25



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.018 χ^2/NDF:11.3/8

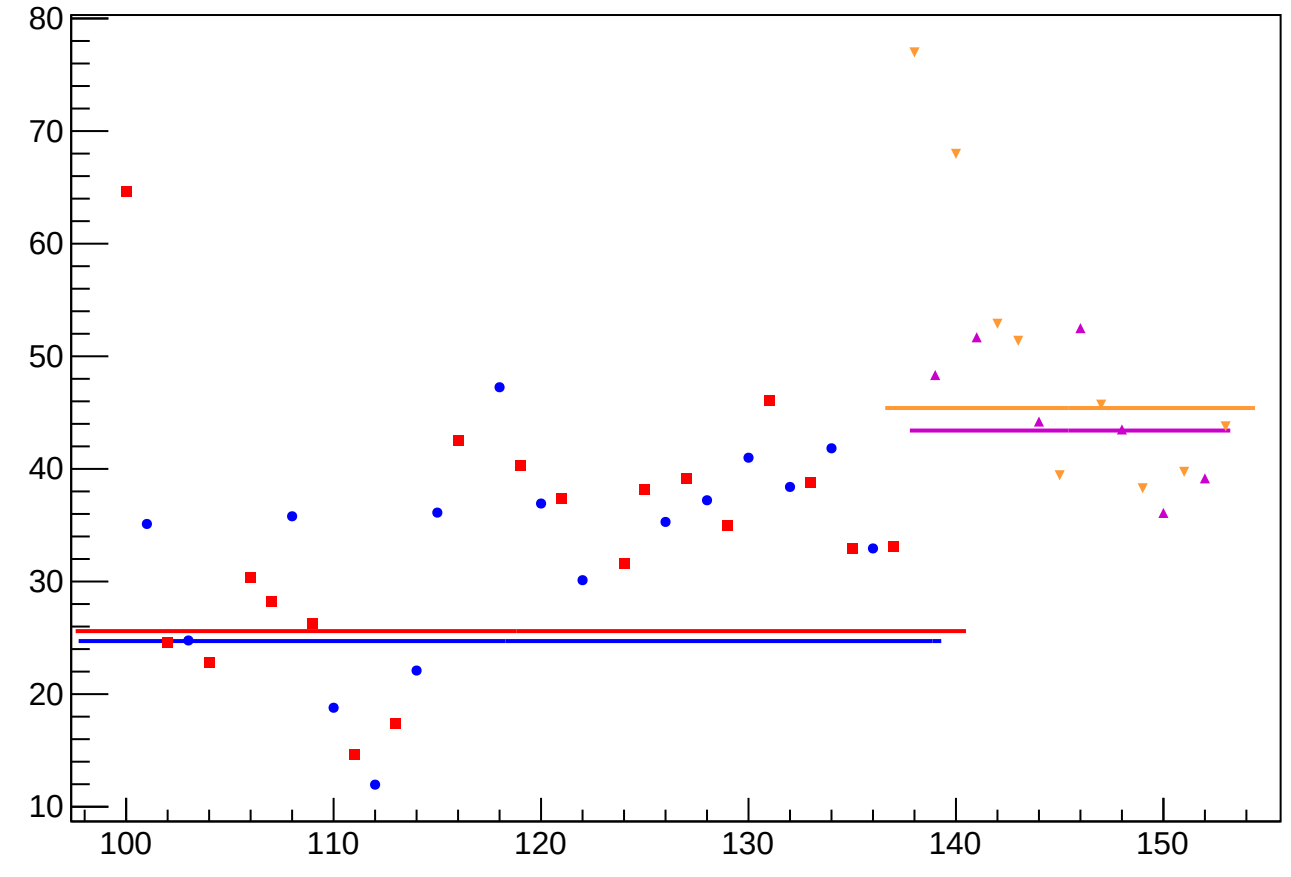
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.036+/-0.018 χ^2/NDF:6.2/6

+ sign 0.017+/-0.009 χ^2/NDF: 30.5/24

All: 0.002+/-0.006 χ^2/NDF: 58.0/50

- sign -0.013+/-0.009 χ^2/NDF: 22.0/25



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.405+/-0.013 χ^2/NDF:578399.4/8

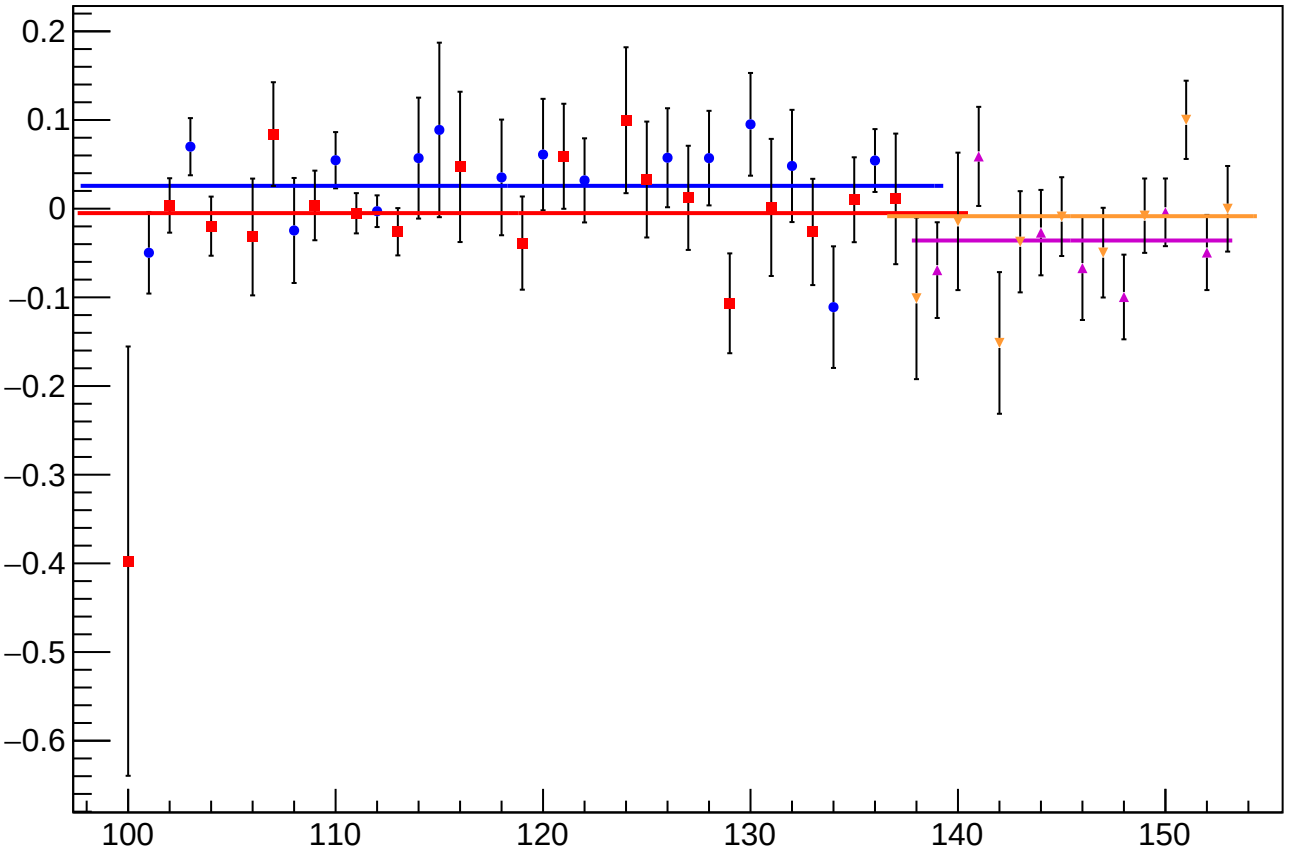
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.407+/-0.013 χ^2/NDF:203081.4/6

+ sign 29.949+/-0.006 χ^2/NDF: 4894784.9/24

All: 29.976+/-0.004 χ^2/NDF: 8168650.7/50

- sign 30.002+/-0.006 χ^2/NDF: 3273831.4/25



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.018 χ^2/NDF:11.3/8

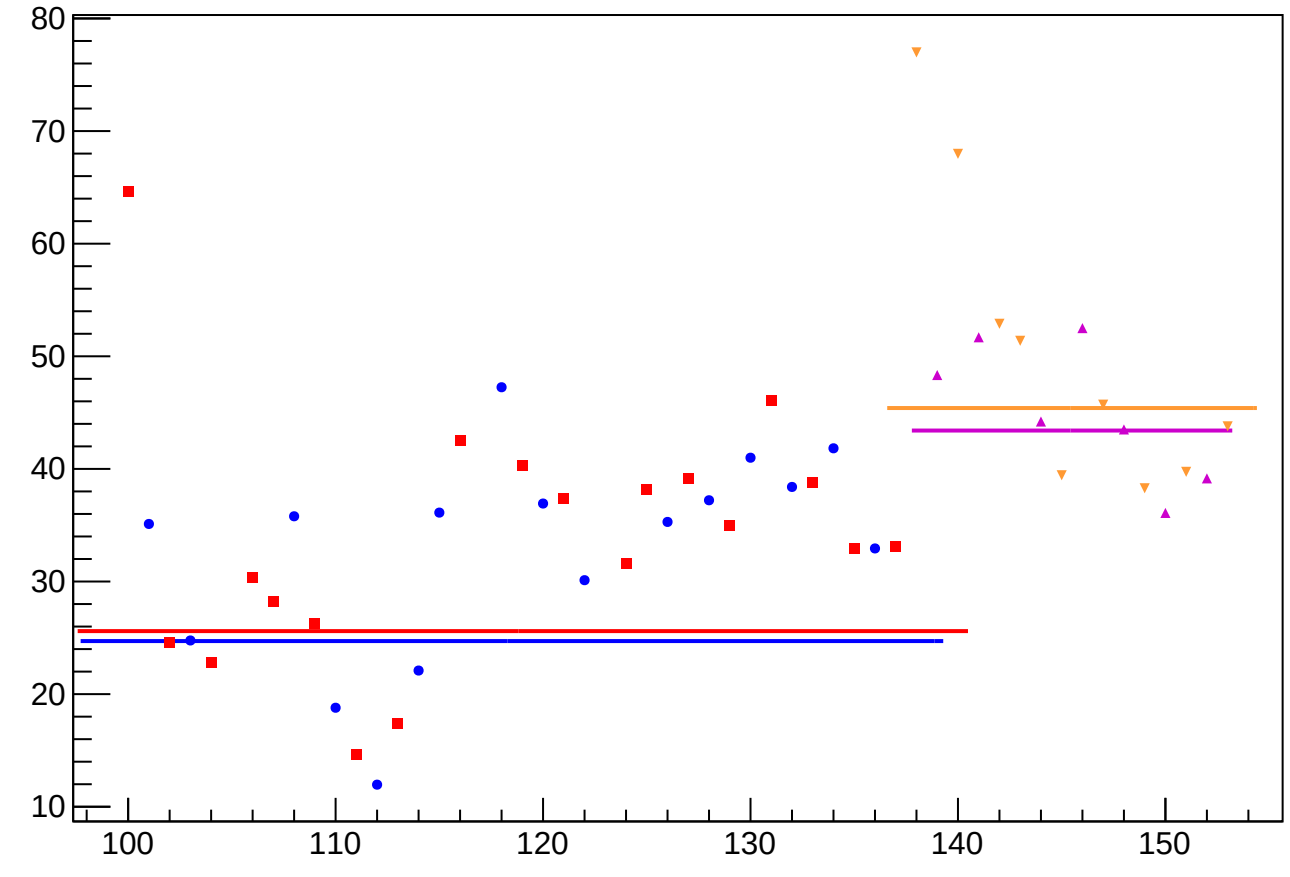
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.036+/-0.018 χ^2/NDF:6.2/6

+ sign 0.017+/-0.009 χ^2/NDF: 30.5/24

All: 0.002+/-0.006 χ^2/NDF: 58.0/50

- sign -0.013+/-0.009 χ^2/NDF: 22.0/25



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.405+/-0.013 χ^2/NDF:578399.4/8

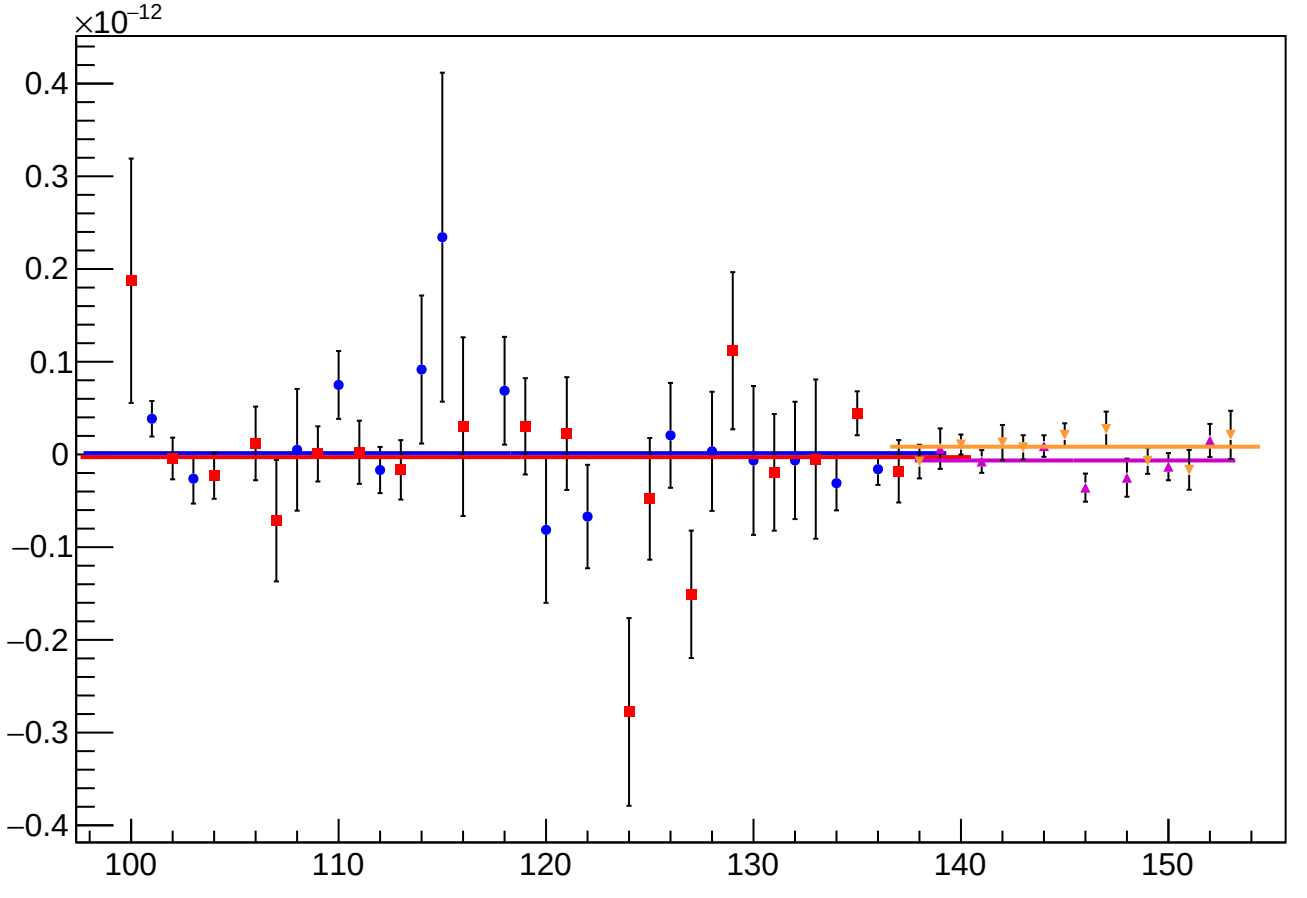
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.407+/-0.013 χ^2/NDF:203081.4/6

+ sign 29.949+/-0.006 χ^2/NDF: 4894784.9/24

All: 29.976+/-0.004 χ^2/NDF: 8168650.7/50

- sign 30.002+/-0.006 χ^2/NDF: 3273831.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/8

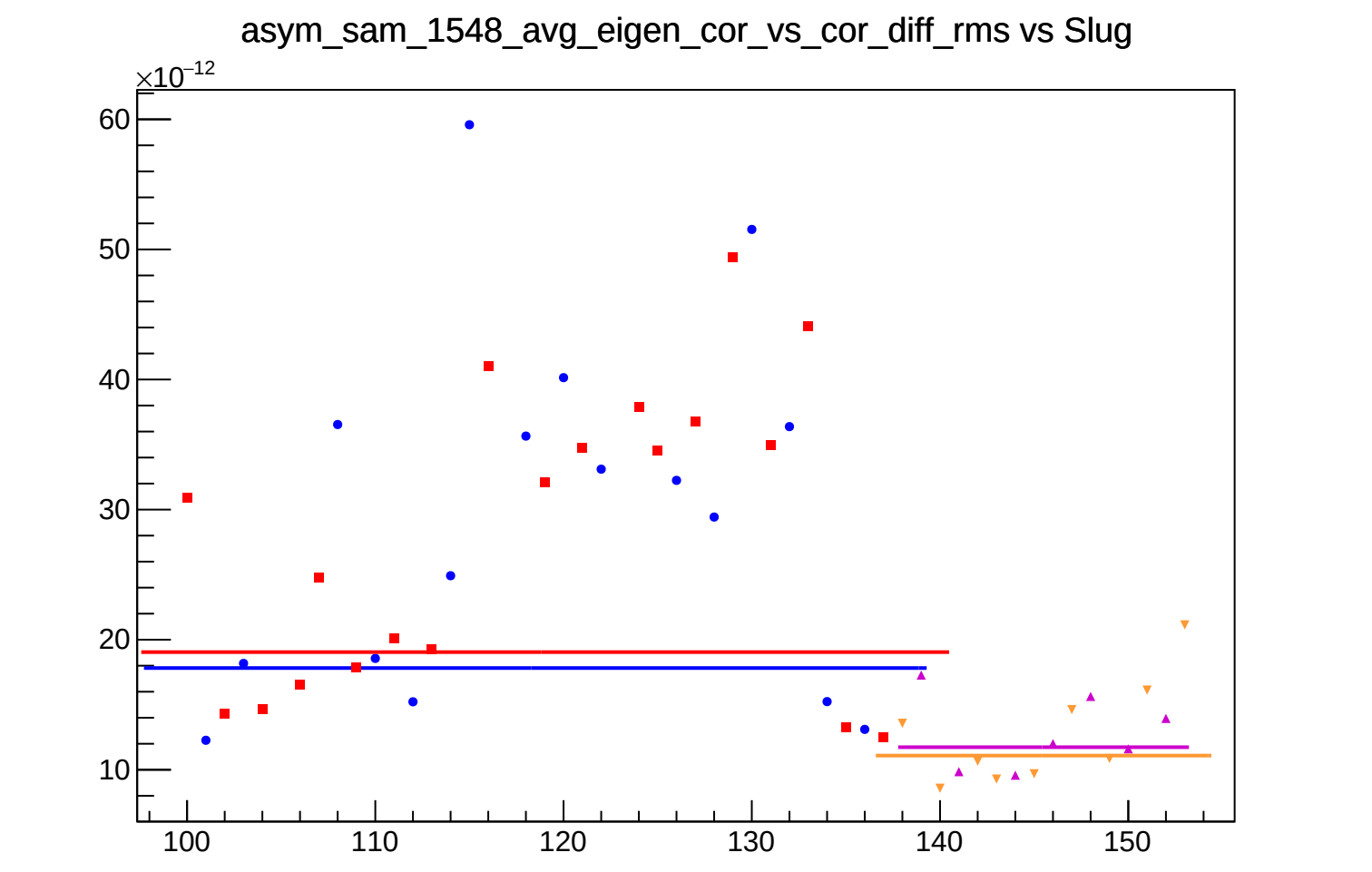
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/24

All: 0.000+/-0.000 χ^2/NDF: 60.2/50

- sign -0.000+/-0.000 χ^2/NDF: 32.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:688498.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

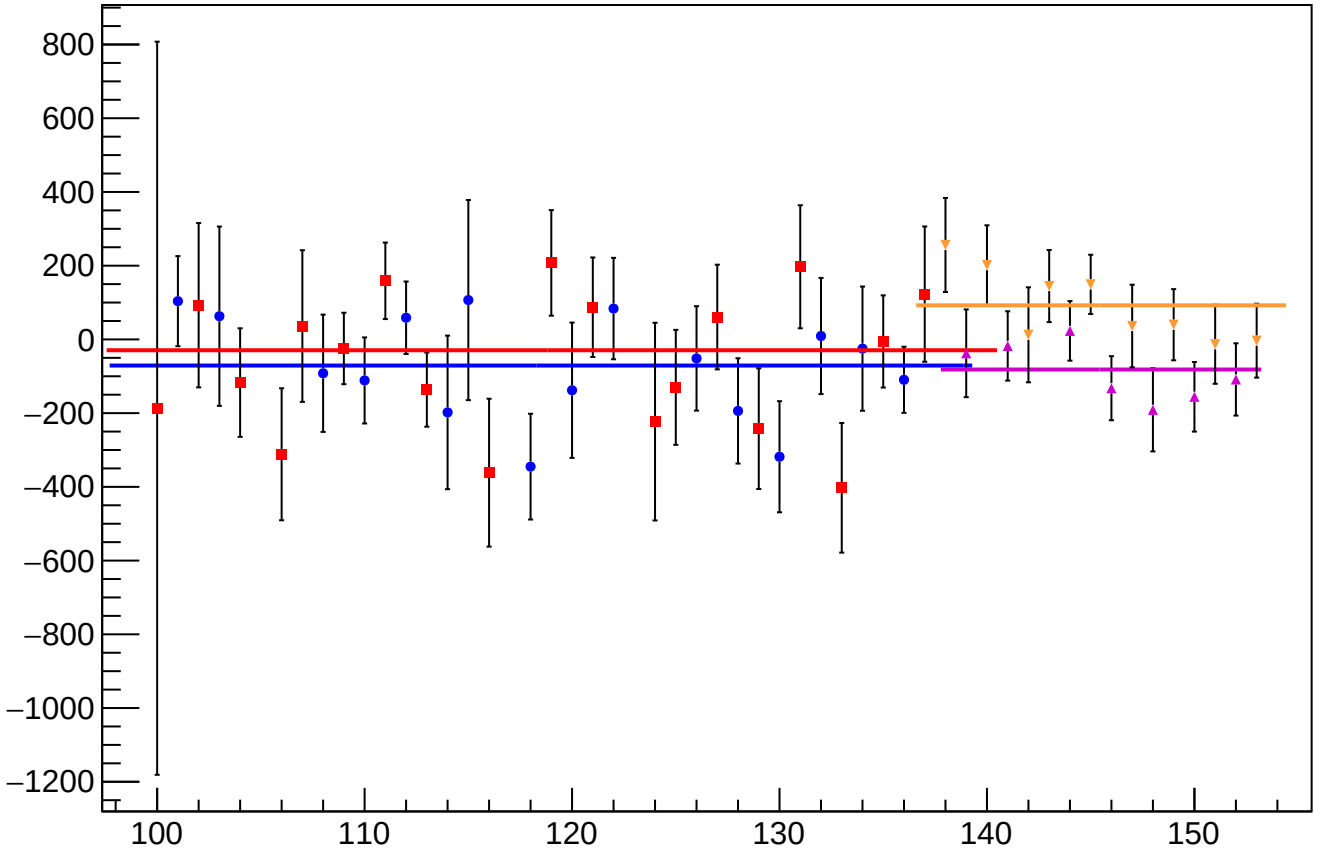
Left In: 0.000+/-0.000 χ^2/NDF:348349.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 3450652.1/24

All: 0.000+/-0.000 χ^2/NDF: 6382857.6/50

- sign 0.000+/-0.000 χ^2/NDF: 2889529.4/25

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 92.460+/-34.500 χ^2/NDF:6.3/8

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

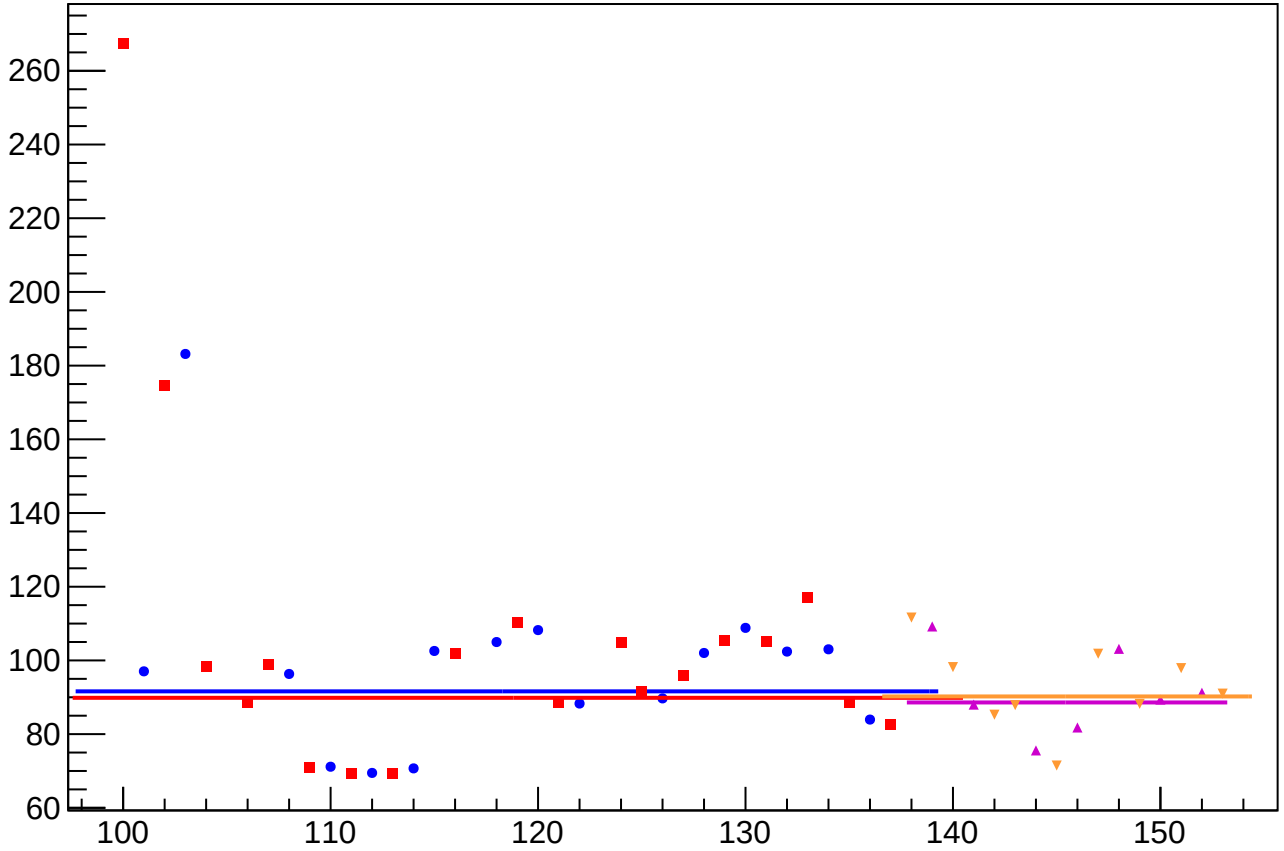
Left In: -81.663+/-36.181 χ^2/NDF:4.3/6

+ sign 12.243+/-24.612 χ^2/NDF: 31.3/24

All: -20.582+/-17.494 χ^2/NDF: 64.3/50

- sign -54.099+/-24.870 χ^2/NDF: 29.4/25

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.224+/-0.024 χ^2/NDF:212769.2/8

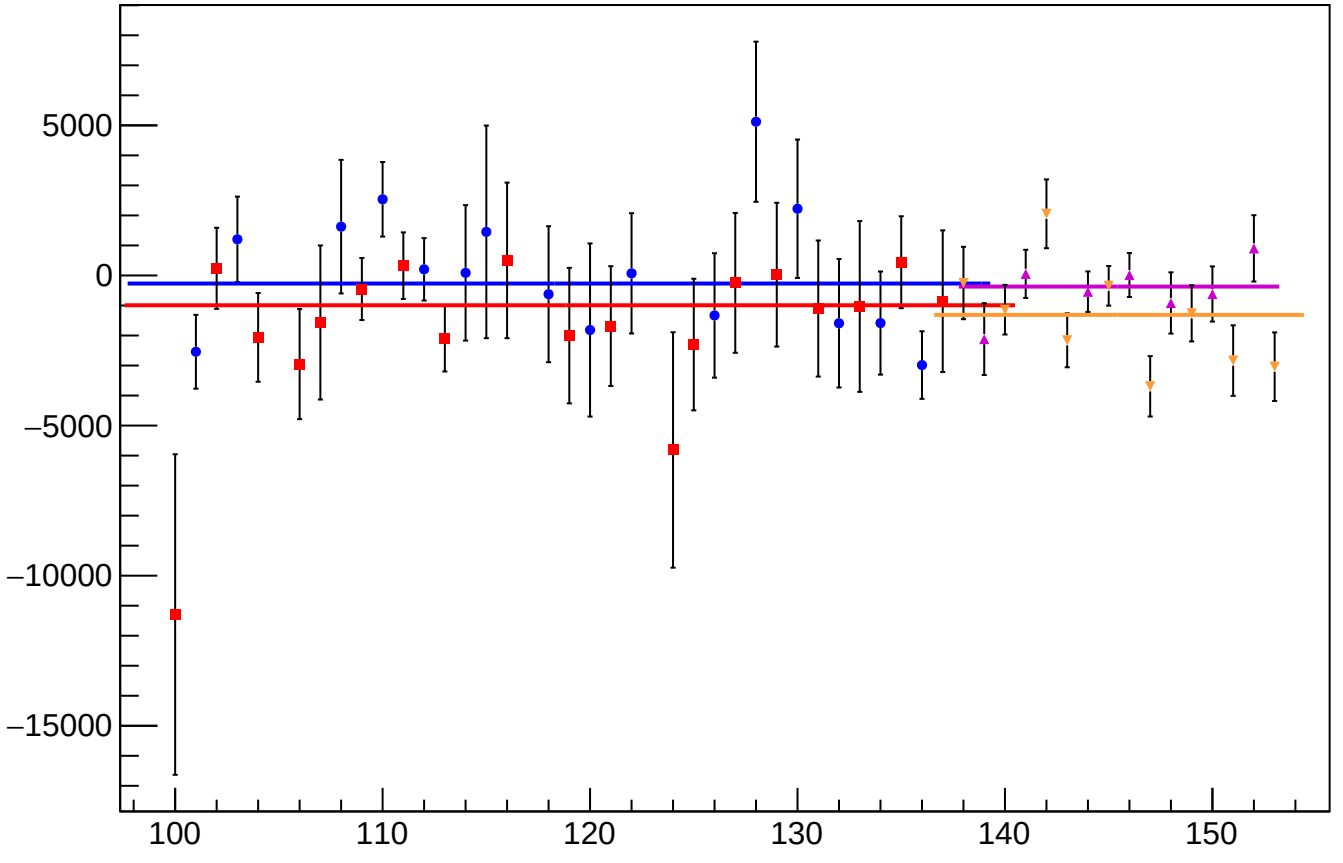
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 88.594+/-0.026 χ^2/NDF:159036.1/6

\+ sign 90.903+/-0.017 χ^2/NDF: 795023.5/24

All: 90.090+/-0.012 χ^2/NDF: 1706047.0/50

\- sign 89.259+/-0.018 χ^2/NDF: 906605.6/25



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1312.380+/-315.174 χ^2/NDF:22.0/8

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

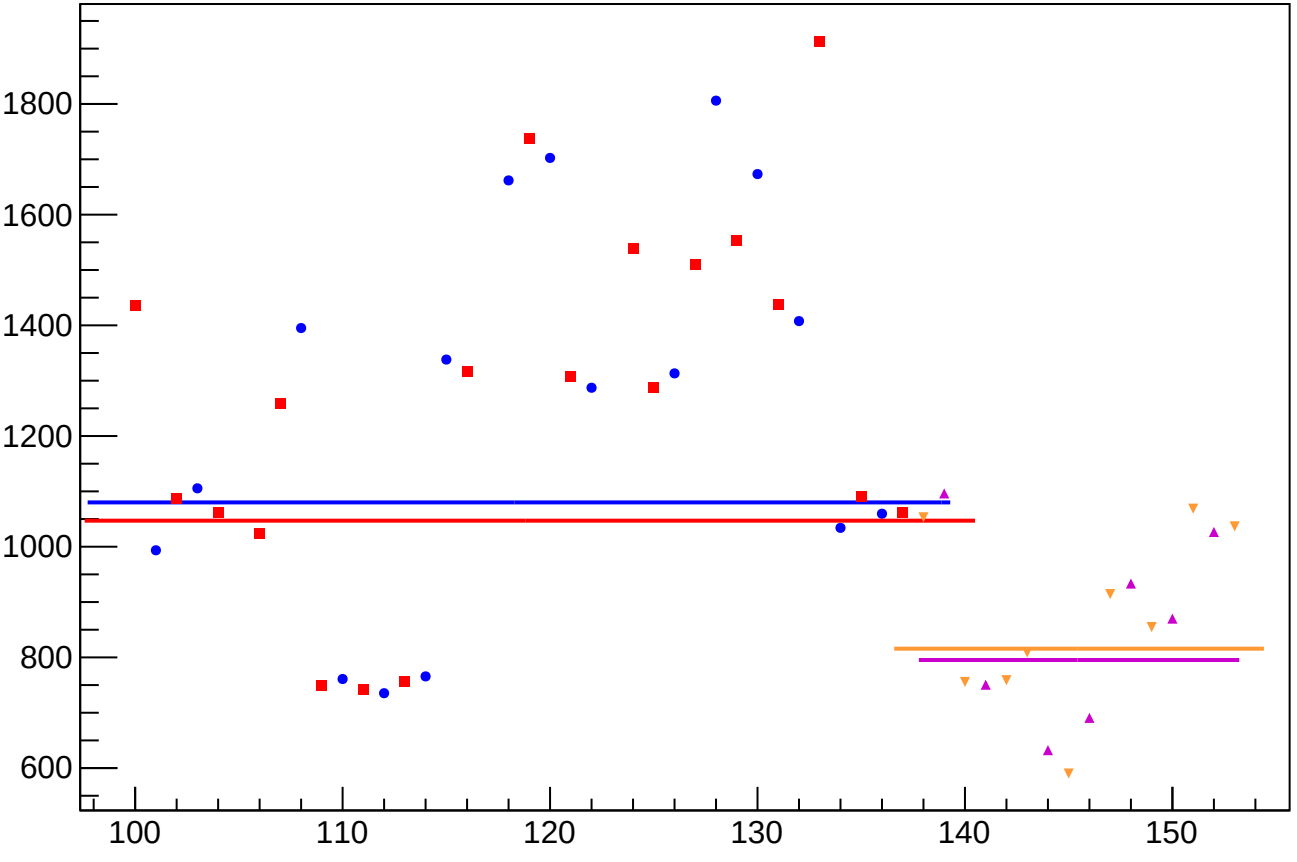
Left In: -369.797+/-328.413 χ^2/NDF:4.4/6

+ sign -935.828+/-251.997 χ^2/NDF: 49.5/24

All: -779.179+/-178.904 χ^2/NDF: 68.8/50

- sign -619.988+/-254.033 χ^2/NDF: 18.6/25

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 815.773+/-0.223 χ^2/NDF:517161.6/8

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

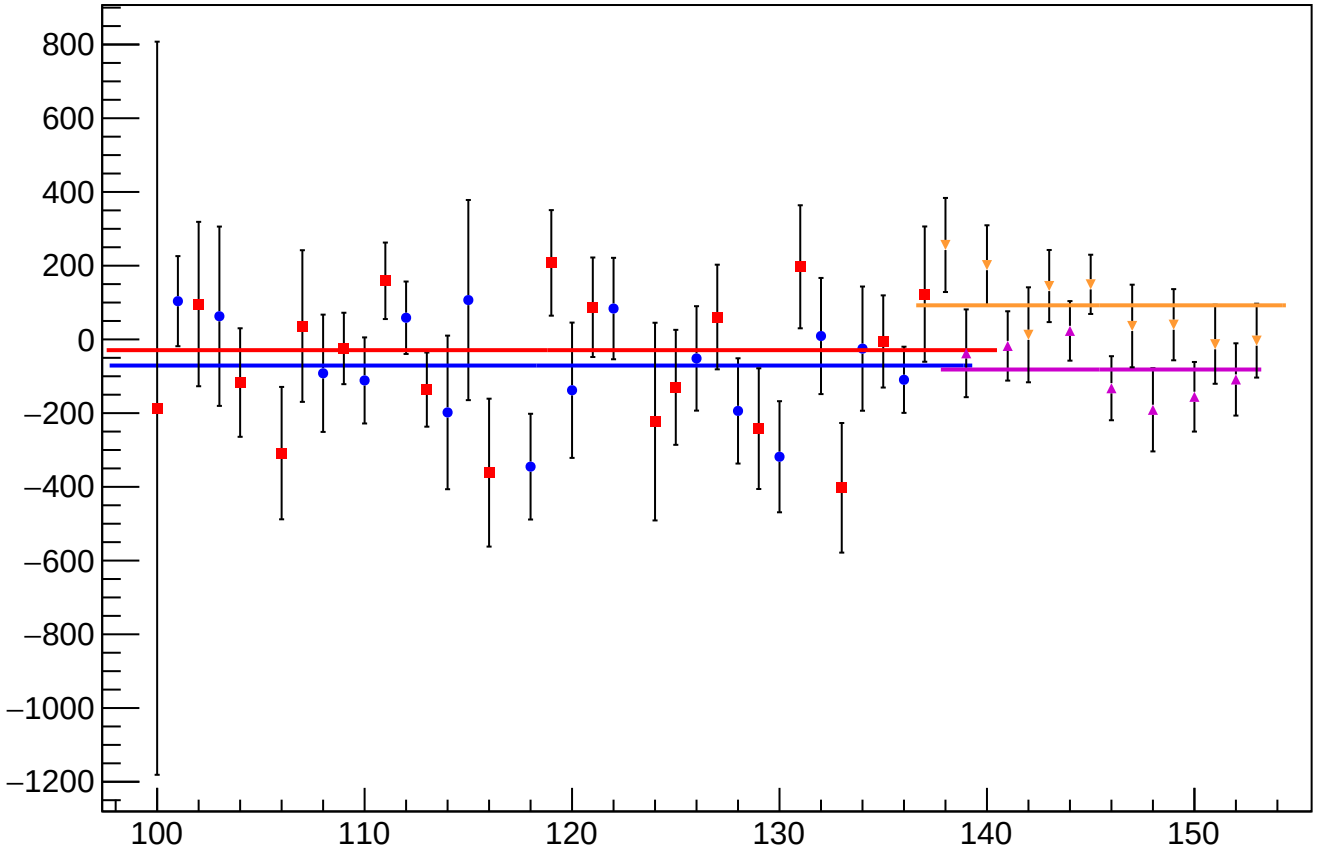
Left In: 795.305+/-0.232 χ^2/NDF:427407.2/6

+ sign 911.101+/-0.178 χ^2/NDF: 2077854.1/24

All: 903.825+/-0.127 χ^2/NDF: 4179377.5/50

- sign 896.431+/-0.180 χ^2/NDF: 2098162.0/25

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 92.470+/-34.500 χ^2/NDF:6.3/8

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

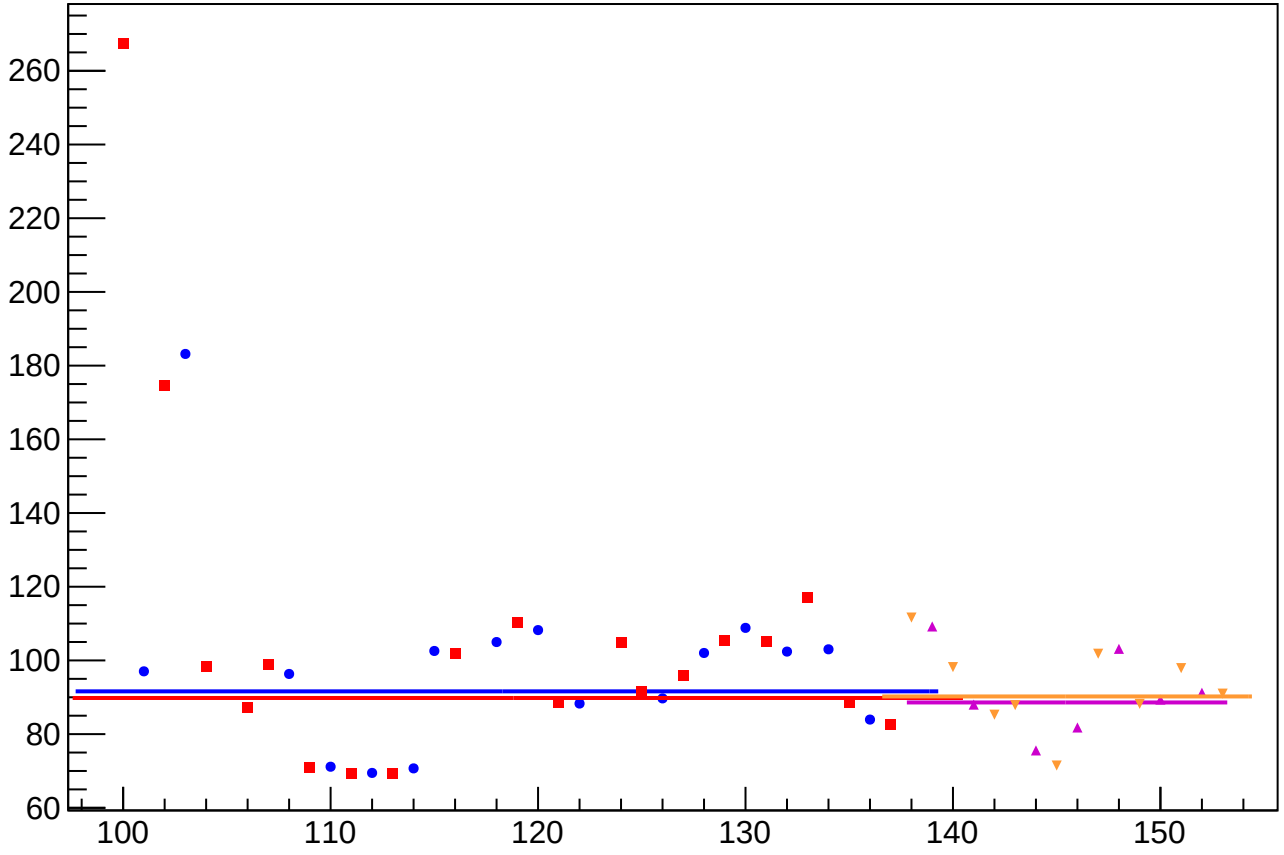
Left In: -81.668+/-36.181 χ^2/NDF:4.3/6

+ sign 12.242+/-24.612 χ^2/NDF: 31.3/24

All: -20.518+/-17.495 χ^2/NDF: 64.2/50

- sign -53.973+/-24.872 χ^2/NDF: 29.3/25

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.224+/-0.024 χ^2/NDF:212769.1/8

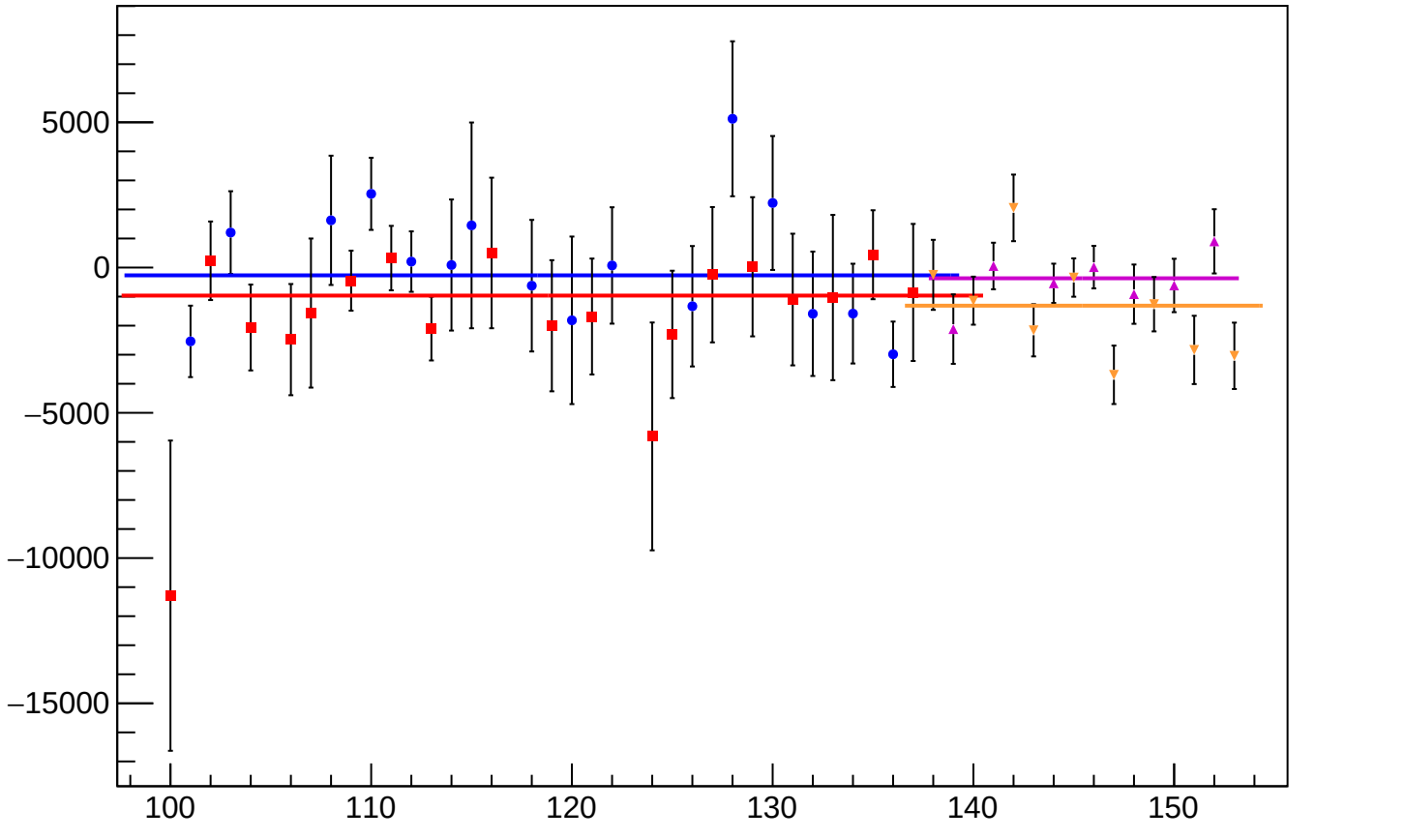
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.594+/-0.026 χ^2/NDF:159036.1/6

+ sign 90.903+/-0.017 χ^2/NDF: 795026.7/24

All: 90.077+/-0.012 χ^2/NDF: 1706635.4/50

- sign 89.234+/-0.018 χ^2/NDF: 907055.2/25



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1312.372+/-315.174 χ^2/NDF:22.0/8

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

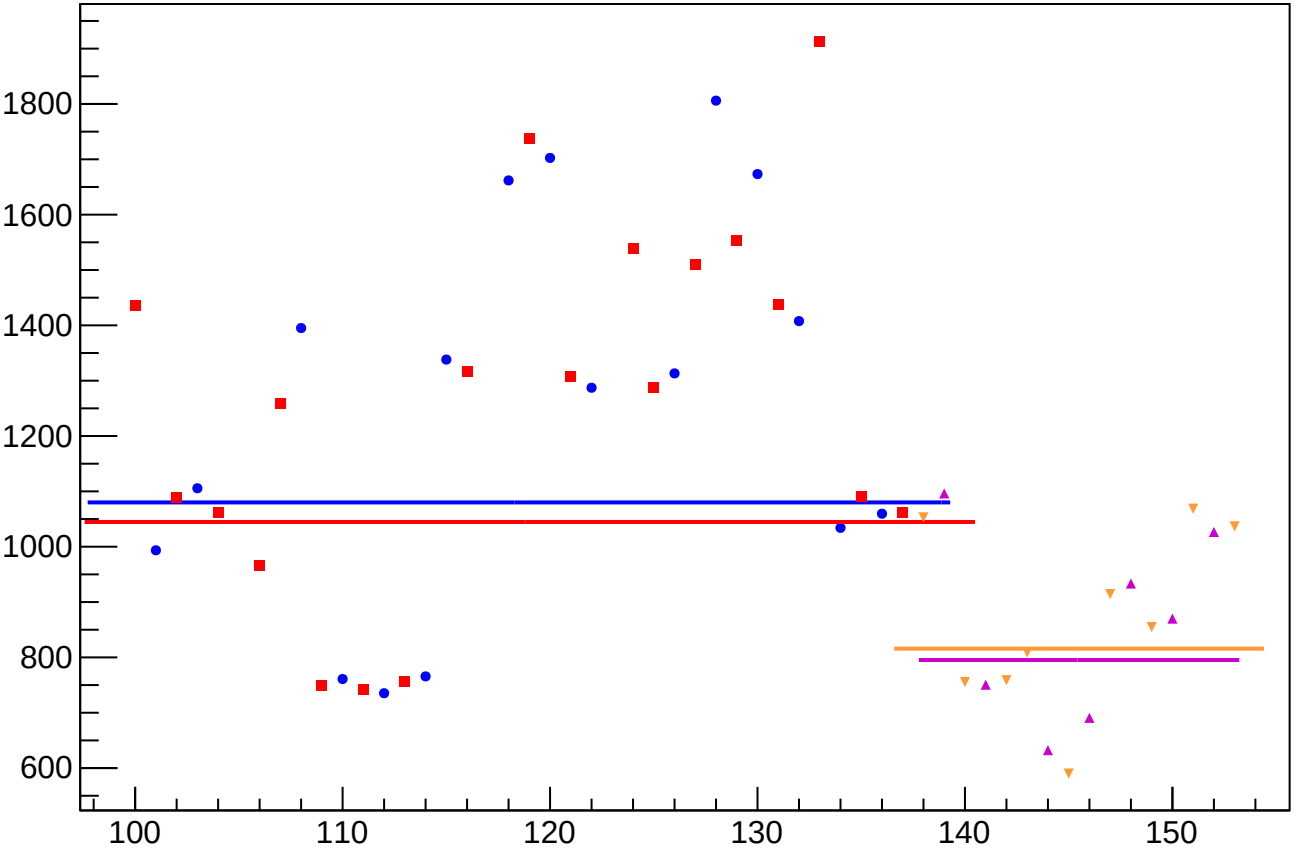
Left In: -369.806+/-328.413 χ^2/NDF:4.4/6

+ sign -935.835+/-251.998 χ^2/NDF: 49.5/24

All: -773.516+/-178.976 χ^2/NDF: 68.2/50

- sign -608.297+/-254.239 χ^2/NDF: 17.9/25

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 815.773+/-0.223 χ^2/NDF:517164.4/8

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

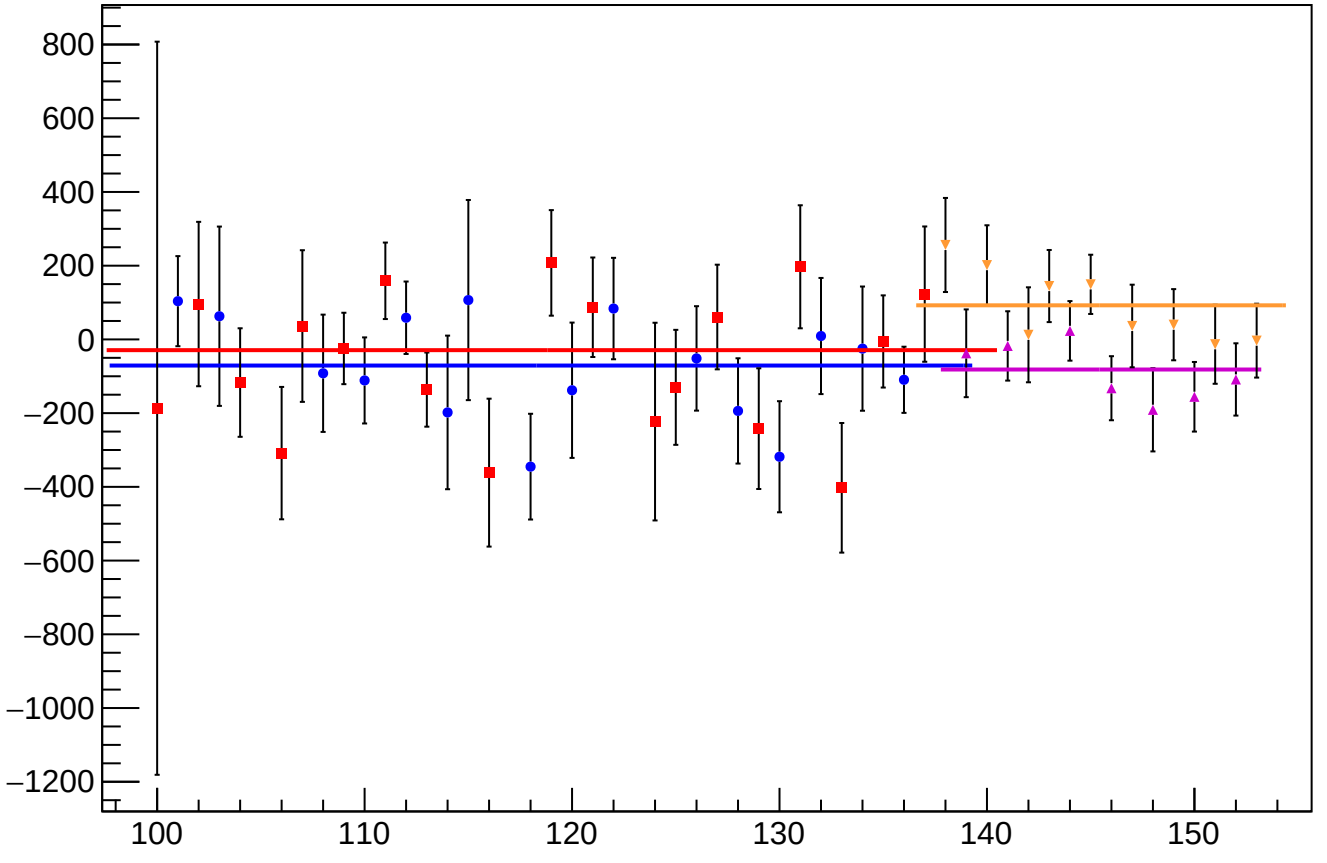
Left In: 795.306+/-0.232 χ^2/NDF:427406.8/6

+ sign 911.103+/-0.178 χ^2/NDF: 2077892.3/24

All: 903.244+/-0.127 χ^2/NDF: 4173263.4/50

- sign 895.246+/-0.180 χ^2/NDF: 2091446.7/25

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 92.470+/-34.500 χ^2/NDF:6.3/8

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

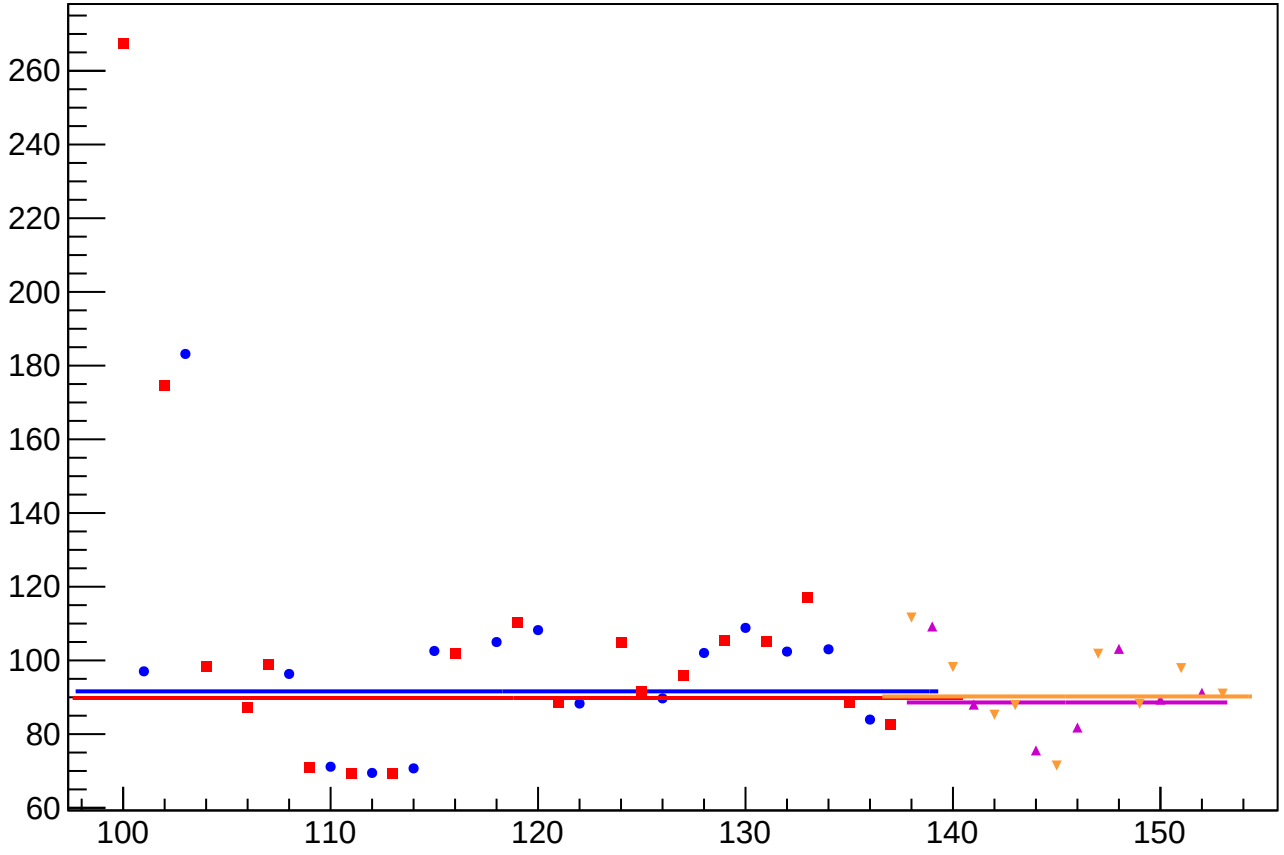
Left In: -81.668+/-36.181 χ^2/NDF:4.3/6

+ sign 12.242+/-24.612 χ^2/NDF: 31.3/24

All: -20.518+/-17.495 χ^2/NDF: 64.2/50

- sign -53.973+/-24.872 χ^2/NDF: 29.3/25

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.224+/-0.024 χ^2/NDF:212769.1/8

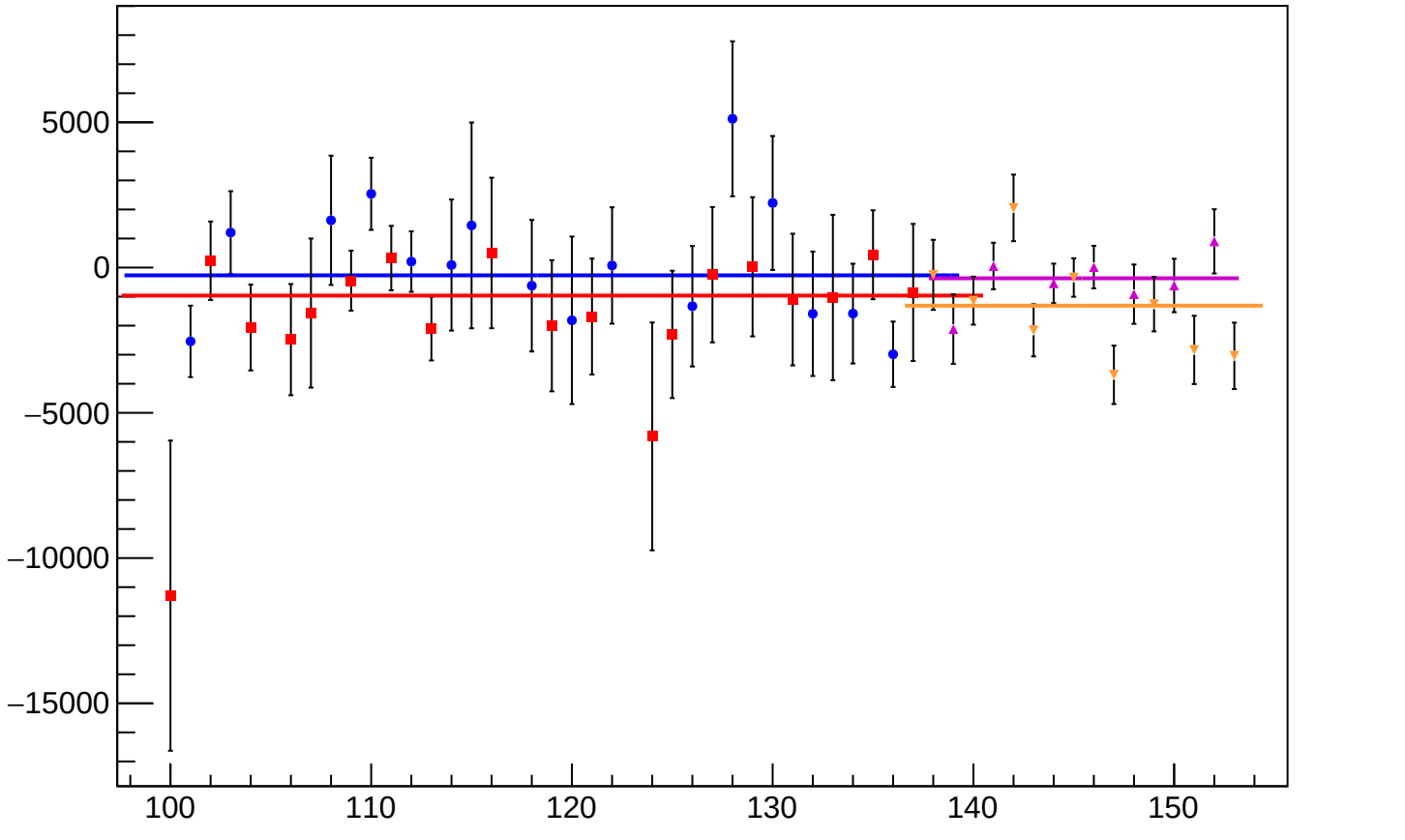
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.594+/-0.026 χ^2/NDF:159036.1/6

+ sign 90.903+/-0.017 χ^2/NDF: 795026.7/24

All: 90.077+/-0.012 χ^2/NDF: 1706635.4/50

- sign 89.234+/-0.018 χ^2/NDF: 907055.2/25



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1312.372+/-315.174 χ^2/NDF:22.0/8

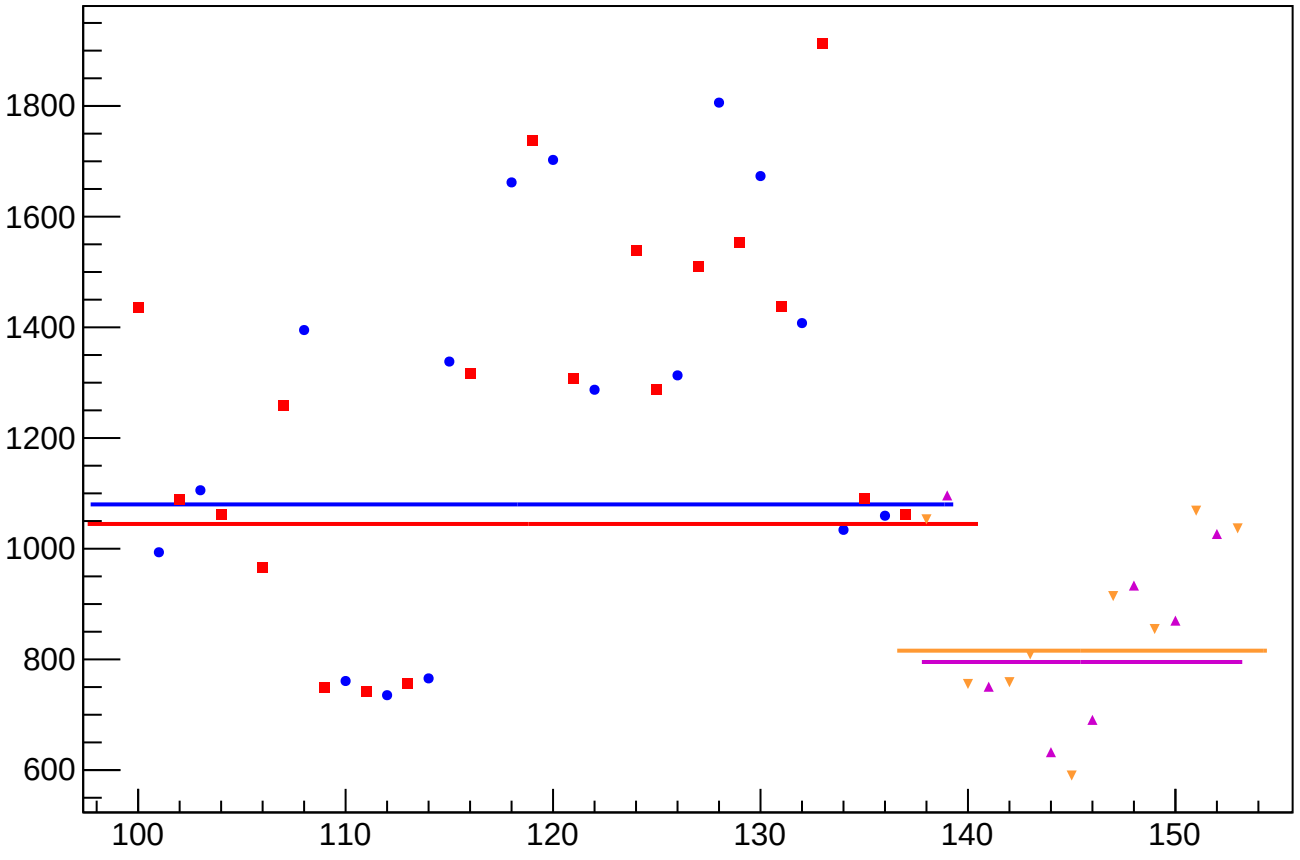
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -369.806+/-328.413 χ^2/NDF:4.4/6

+ sign -935.835+/-251.998 χ^2/NDF: 49.5/24

All: -773.516+/-178.976 χ^2/NDF: 68.2/50

- sign -608.297+/-254.239 χ^2/NDF: 17.9/25



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 815.773+/-0.223 χ^2/NDF:517164.4/8

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

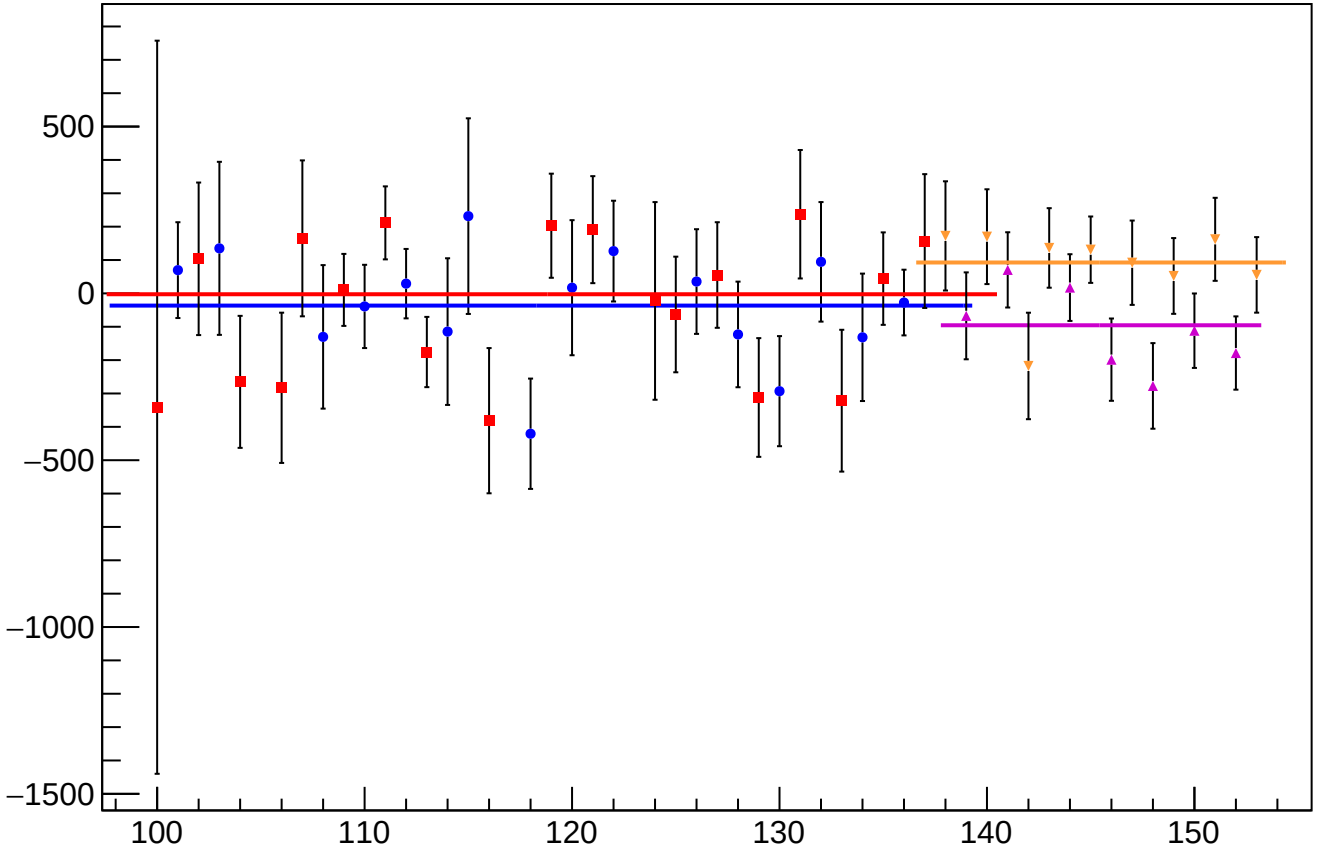
Left In: 795.306+/-0.232 χ^2/NDF:427406.8/6

+ sign 911.103+/-0.178 χ^2/NDF: 2077892.3/24

All: 903.244+/-0.127 χ^2/NDF: 4173263.4/50

- sign 895.246+/-0.180 χ^2/NDF: 2091446.7/25

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 92.589+/-41.510 χ^2/NDF:5.1/8

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

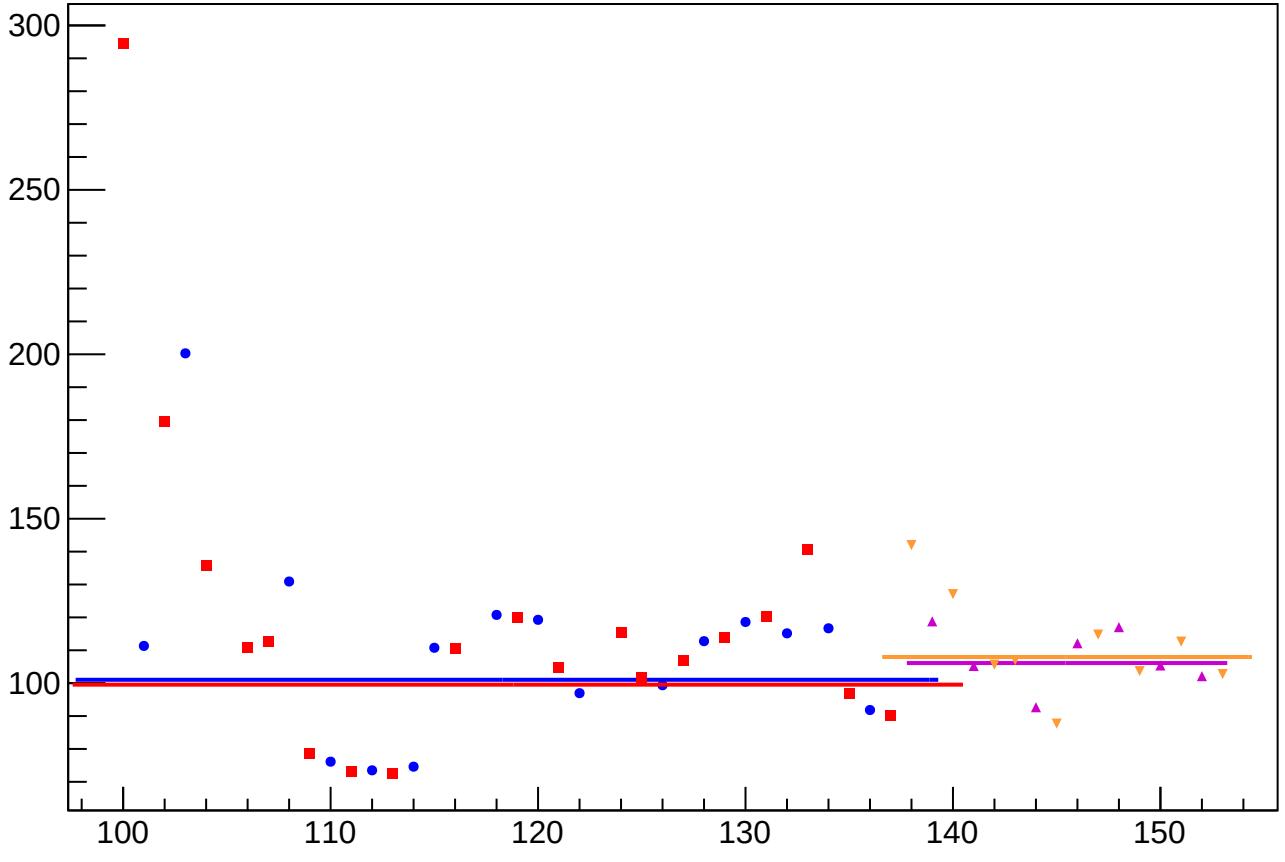
Left In: -95.557+/-43.546 χ^2/NDF:6.8/6

+ sign 23.960+/-28.420 χ^2/NDF: 23.2/24

All: -9.172+/-20.195 χ^2/NDF: 60.0/50

- sign -42.965+/-28.701 χ^2/NDF: 34.1/25

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.961+/-0.029 χ^2/NDF:221836.9/8

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

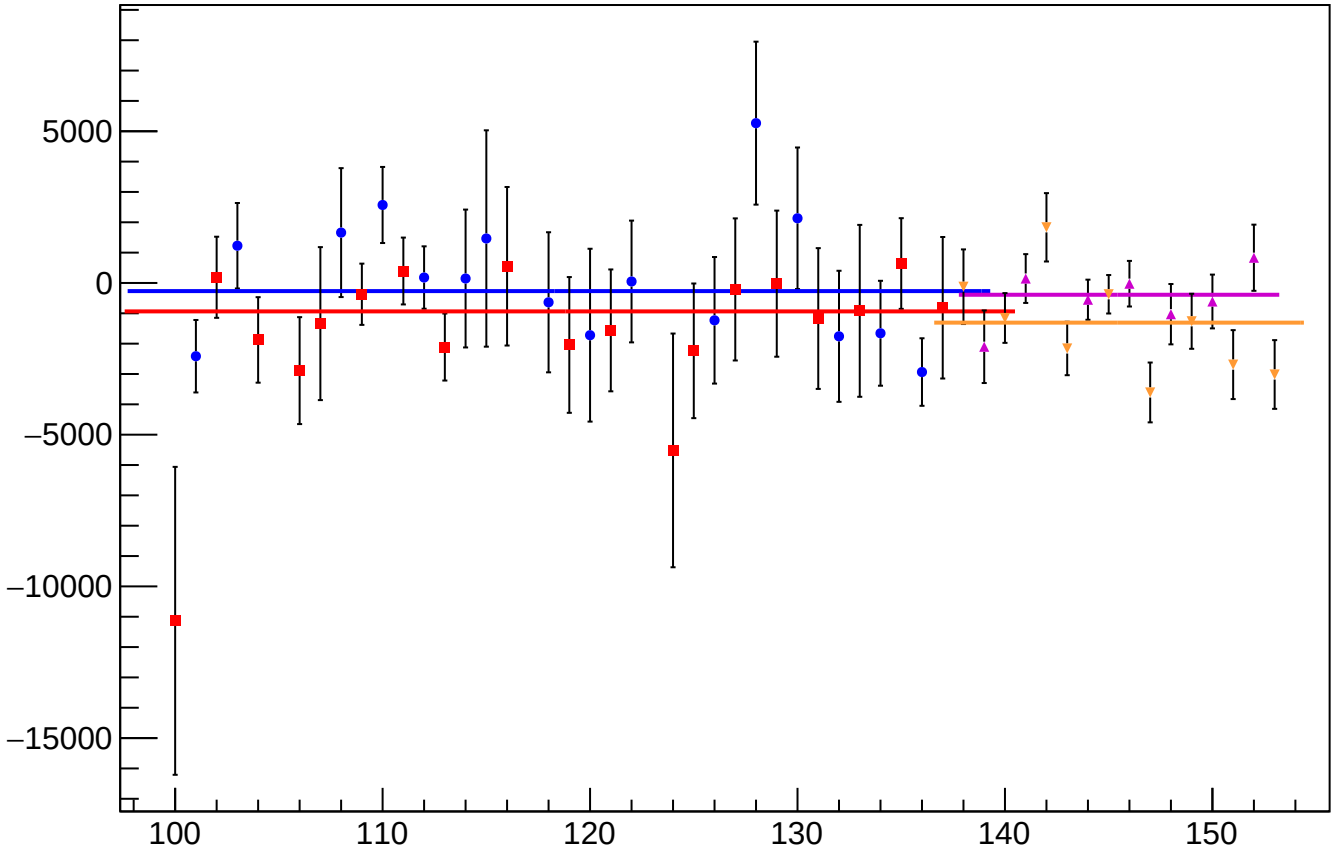
Left In: 106.123+/-0.031 χ^2/NDF:77215.9/6

+ sign 104.279+/-0.020 χ^2/NDF: 967545.2/24

All: 103.351+/-0.014 χ^2/NDF: 1955364.8/50

- sign 102.404+/-0.020 χ^2/NDF: 983506.9/25

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1307.380+/-308.437 χ^2/NDF:21.1/8

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

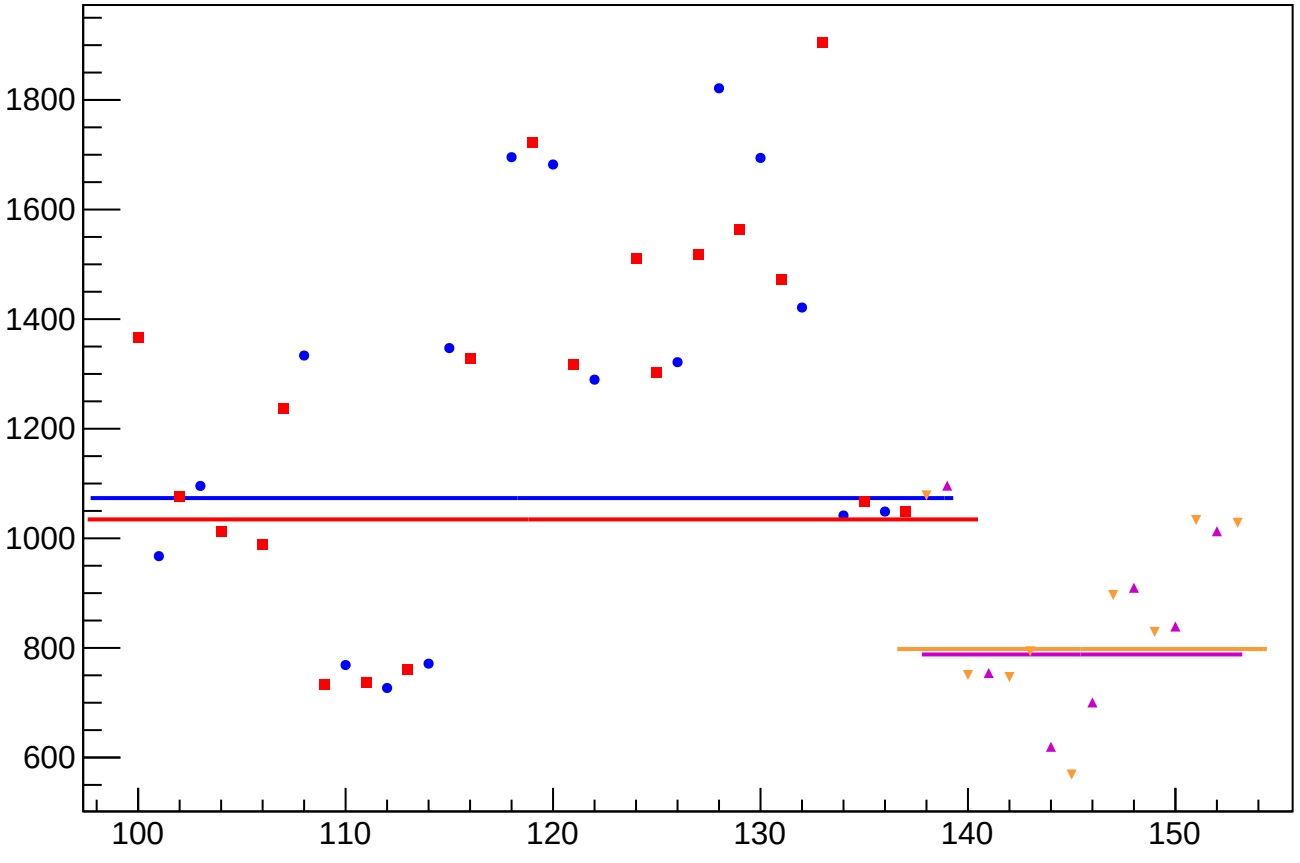
Left In: -388.733+/-325.657 χ^2/NDF:4.5/6

\+ sign -939.857+/-247.988 χ^2/NDF: 48.5/24

All: -777.140+/-176.613 χ^2/NDF: 68.2/50

\- sign -609.664+/-251.588 χ^2/NDF: 18.8/25

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 797.985+/-0.218 χ^2/NDF:566931.9/8

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

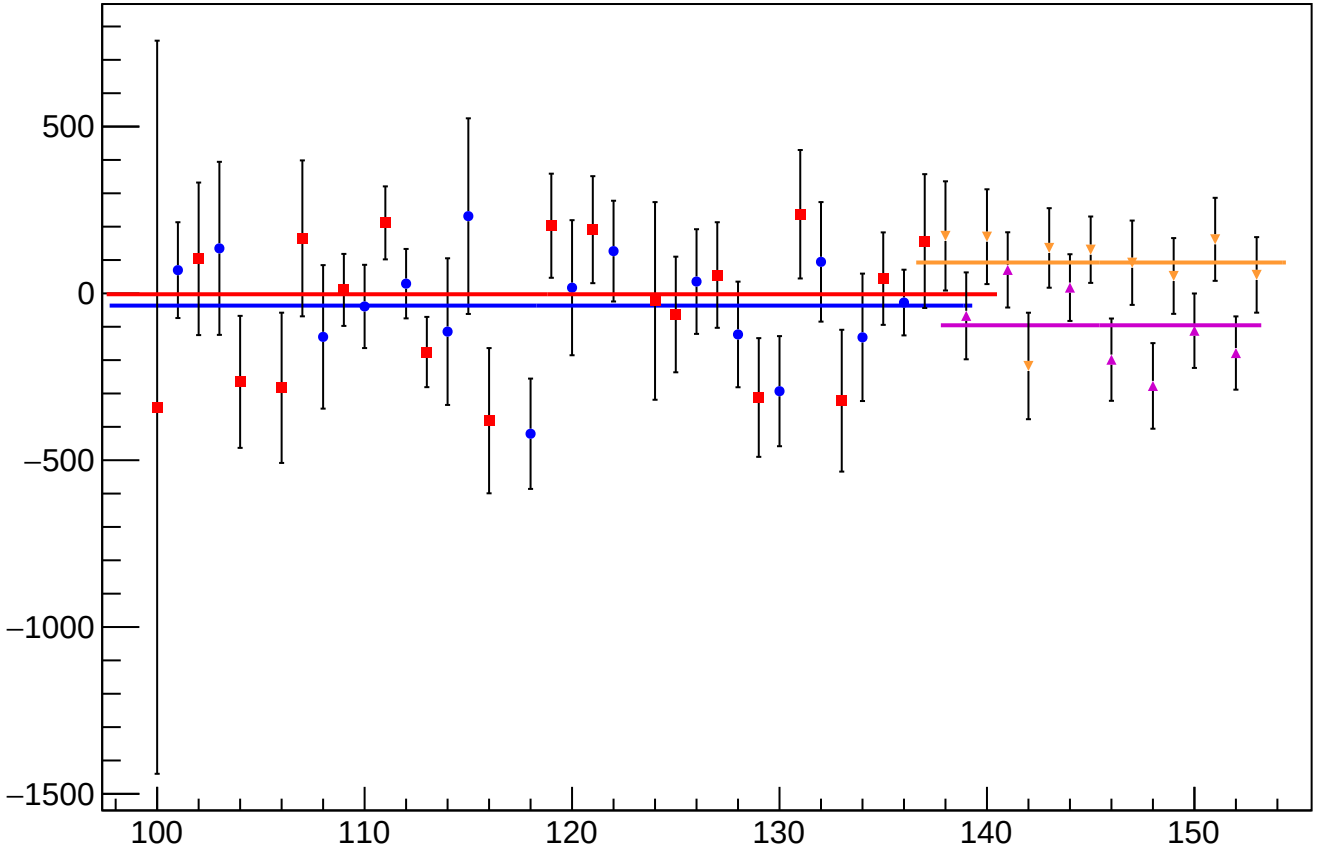
Left In: 788.085+/-0.230 χ^2/NDF:414837.8/6

\+ sign 895.380+/-0.175 χ^2/NDF: 2208028.8/24

All: 891.469+/-0.125 χ^2/NDF: 4315007.8/50

\- sign 887.443+/-0.178 χ^2/NDF: 2105969.6/25

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 92.590+/-41.510 χ^2/NDF:5.1/8

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

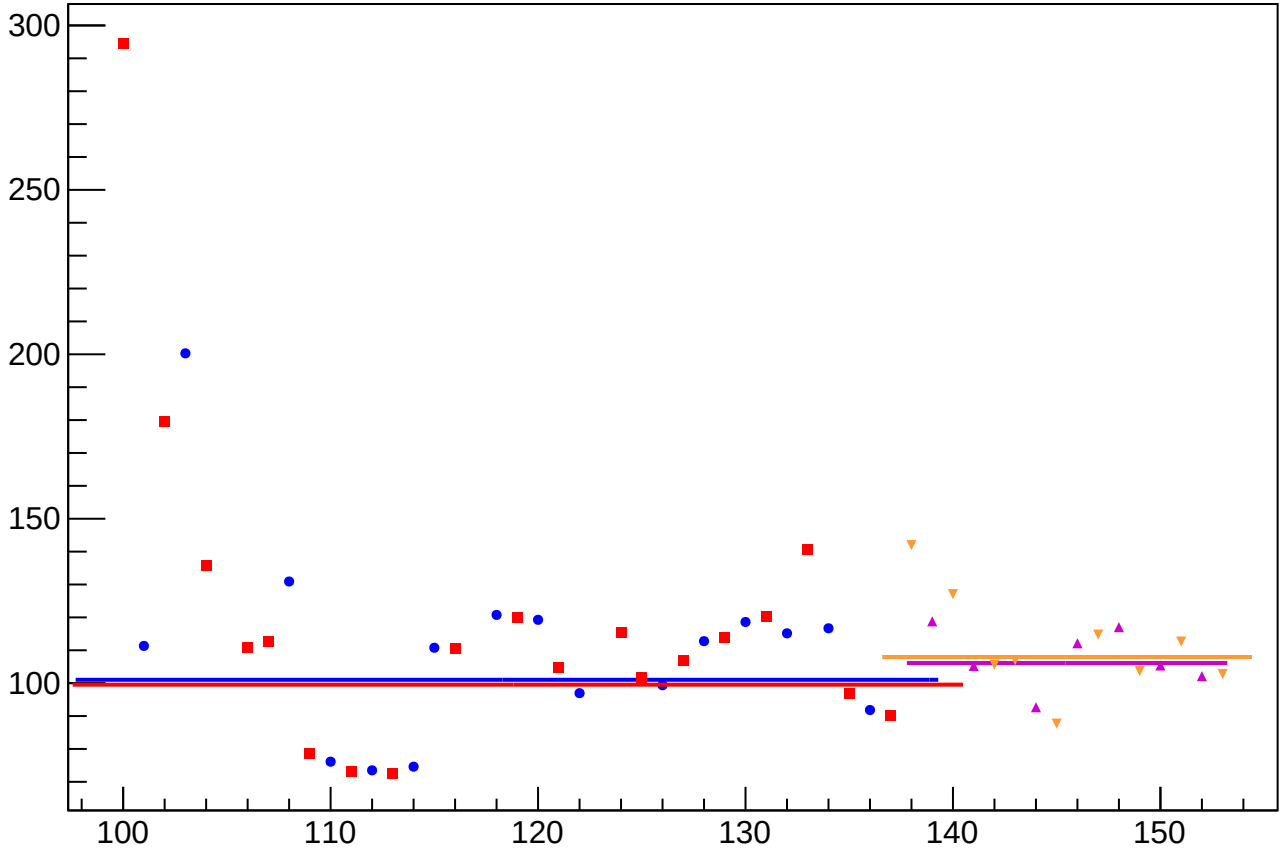
Left In: -95.558+/-43.546 χ^2/NDF:6.8/6

+ sign 23.961+/-28.420 χ^2/NDF: 23.2/24

All: -9.172+/-20.195 χ^2/NDF: 60.0/50

- sign -42.965+/-28.702 χ^2/NDF: 34.1/25

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.961+/-0.029 χ^2/NDF:221829.8/8

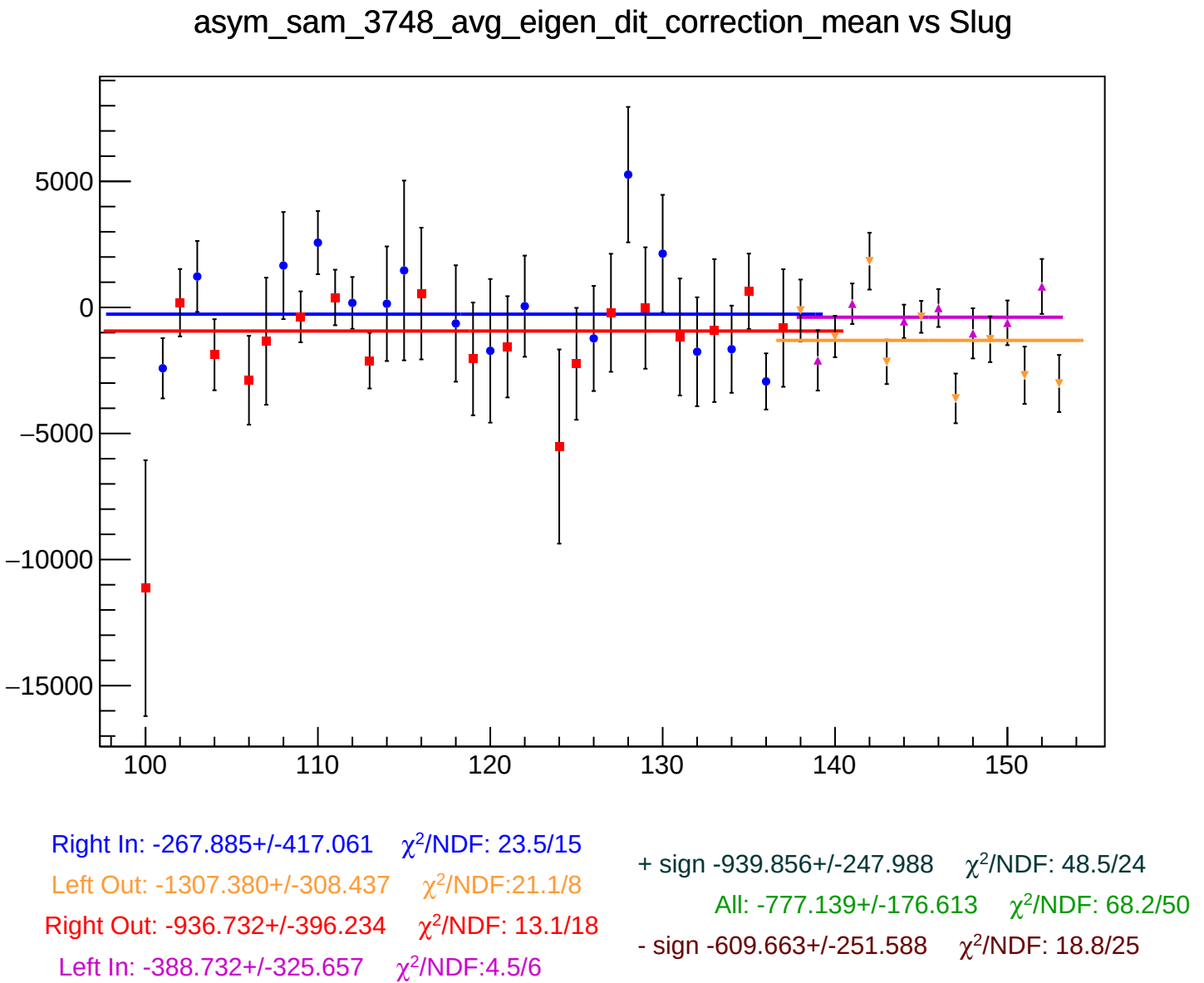
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

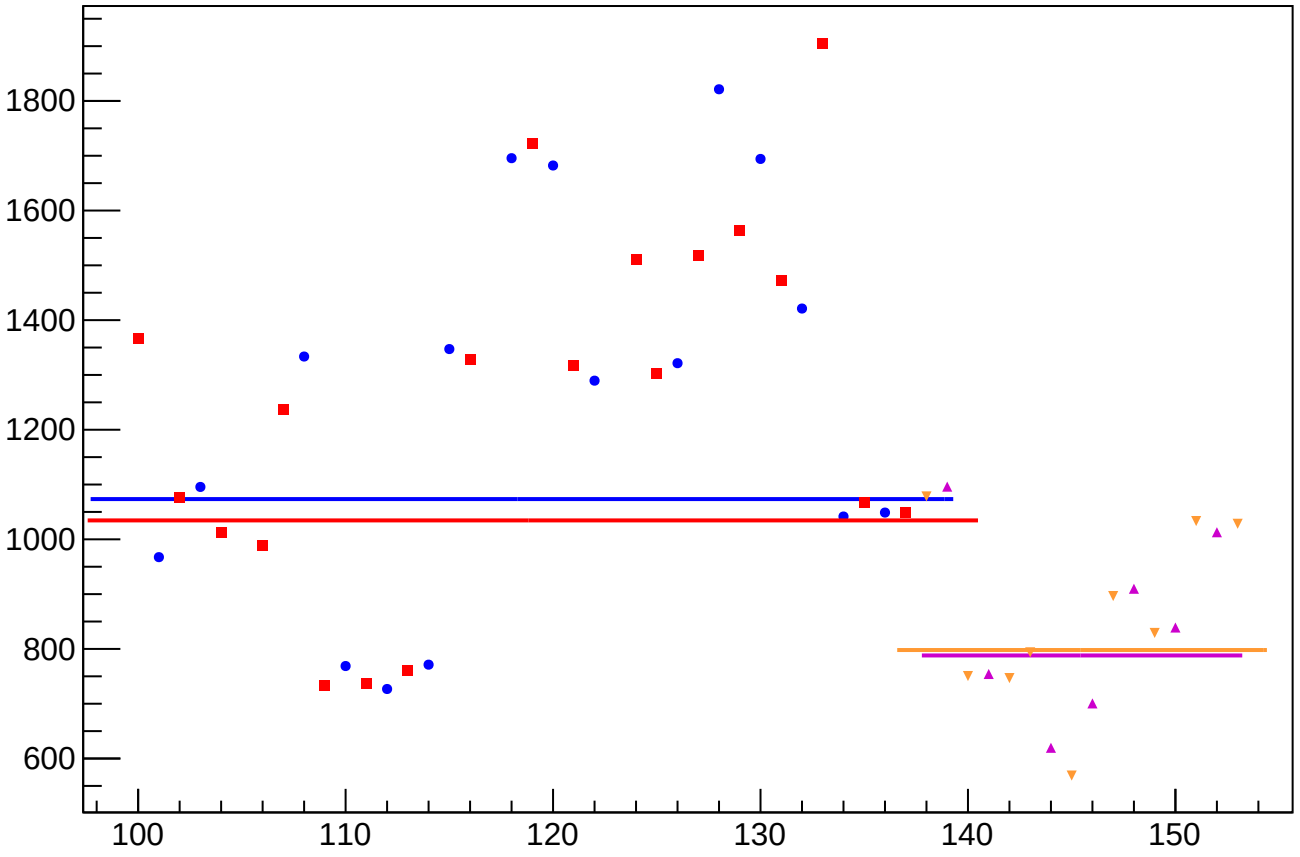
Left In: 106.123+/-0.031 χ^2/NDF:77213.0/6

+ sign 104.280+/-0.020 χ^2/NDF: 967539.7/24

All: 103.351+/-0.014 χ^2/NDF: 1955360.9/50

- sign 102.404+/-0.020 χ^2/NDF: 983508.3/25


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -267.885+/-417.061 χ²/NDF: 23.5/15
Left Out: -1307.380+/-308.437 χ²/NDF:21.1/8
Right Out: -936.732+/-396.234 χ²/NDF: 13.1/18
Left In: -388.732+/-325.657 χ²/NDF:4.5/6
+ sign -939.856+/-247.988 χ²/NDF: 48.5/24
All: -777.139+/-176.613 χ²/NDF: 68.2/50
- sign -609.663+/-251.588 χ²/NDF: 18.8/25



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 797.983+/-0.218 χ^2/NDF:566935.2/8

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

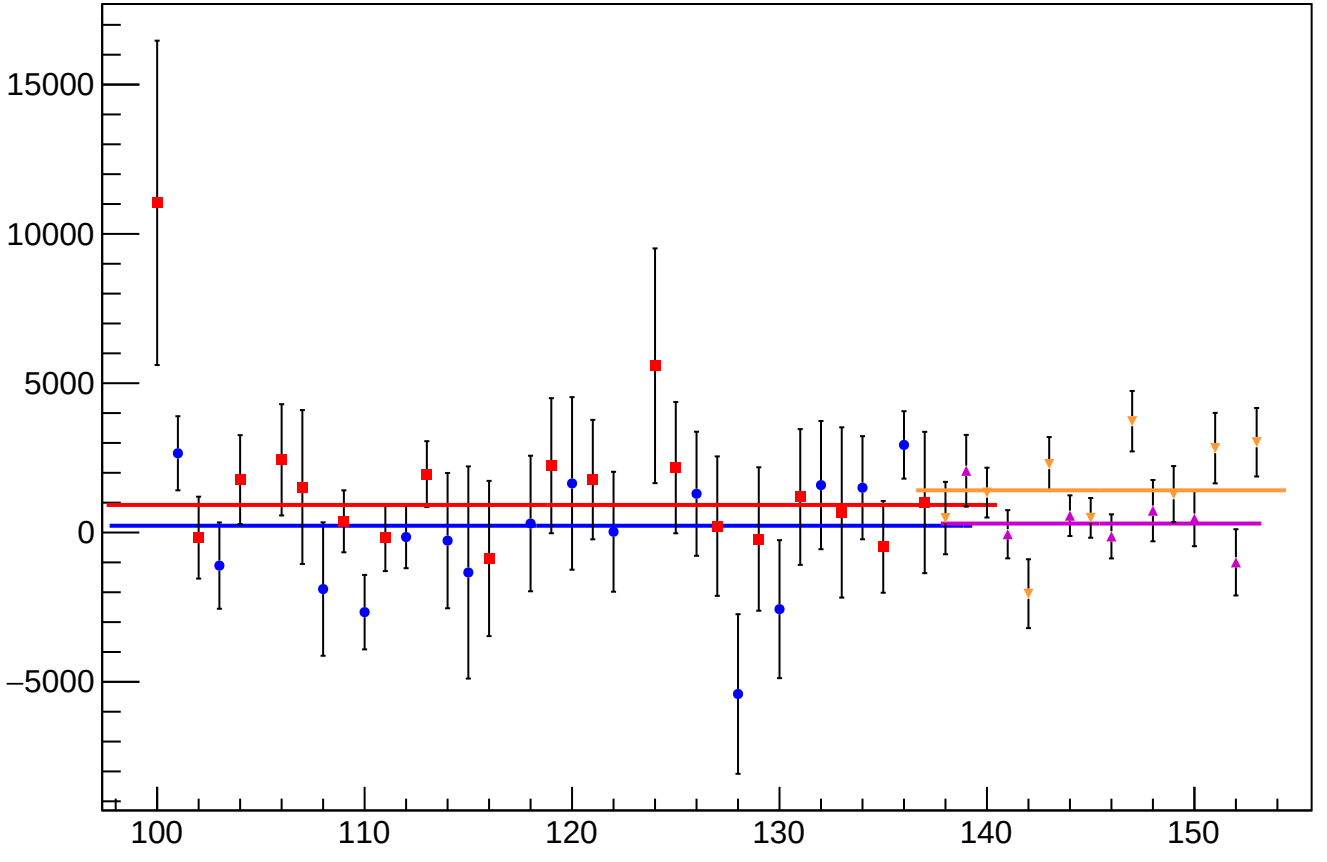
Left In: 788.084+/-0.230 χ^2/NDF:414837.8/6

\+ sign 895.378+/-0.175 χ^2/NDF: 2208036.6/24

All: 891.468+/-0.125 χ^2/NDF: 4315015.7/50

\- sign 887.442+/-0.178 χ^2/NDF: 2105969.7/25

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1413.123+/-317.205 χ^2/NDF:21.1/8

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

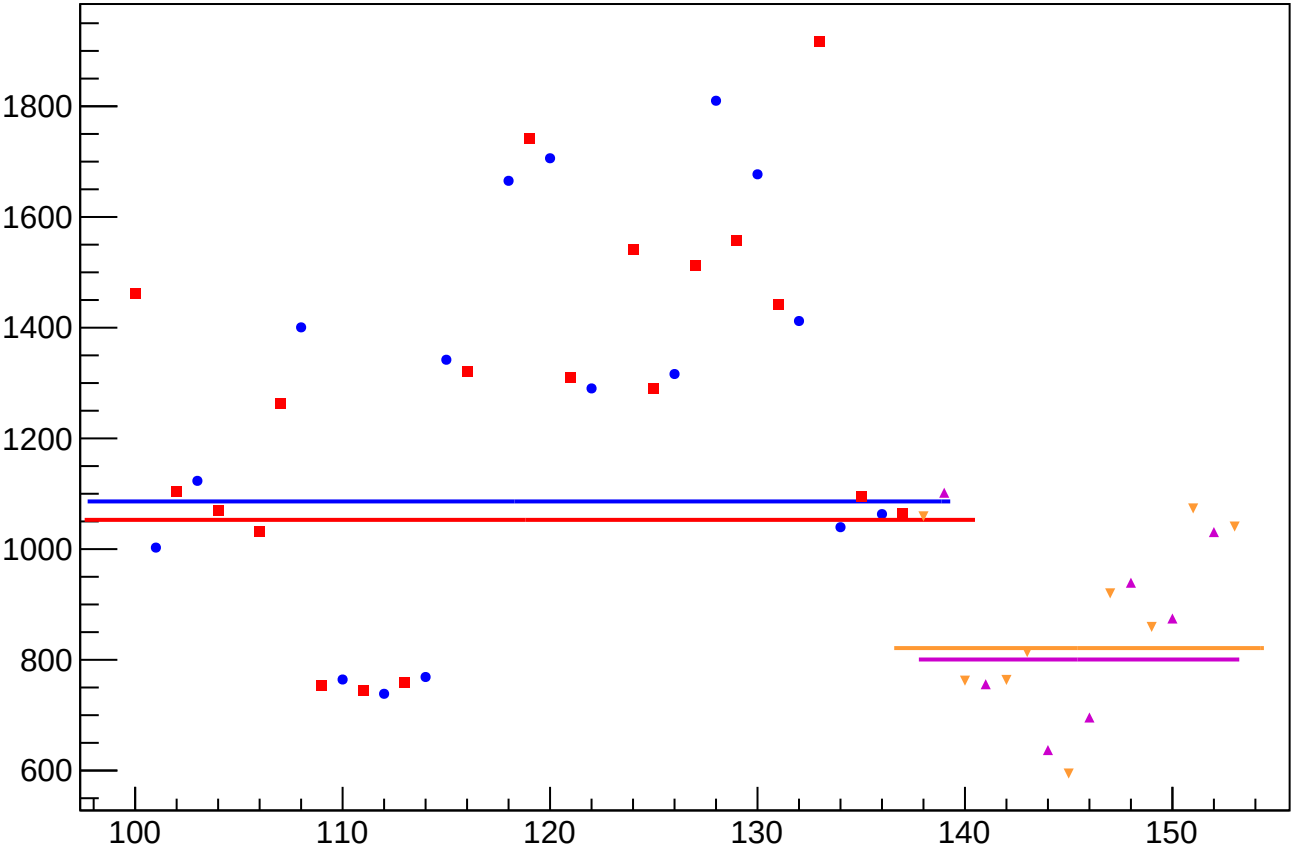
Left In: 300.604+/-330.520 χ^2/NDF:4.4/6

+ sign 984.873+/-253.525 χ^2/NDF: 50.6/24

All: 769.735+/-179.994 χ^2/NDF: 69.1/50

- sign 551.082+/-255.588 χ^2/NDF: 17.0/25

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 821.212+/-0.224 χ^2/NDF:511539.7/8

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

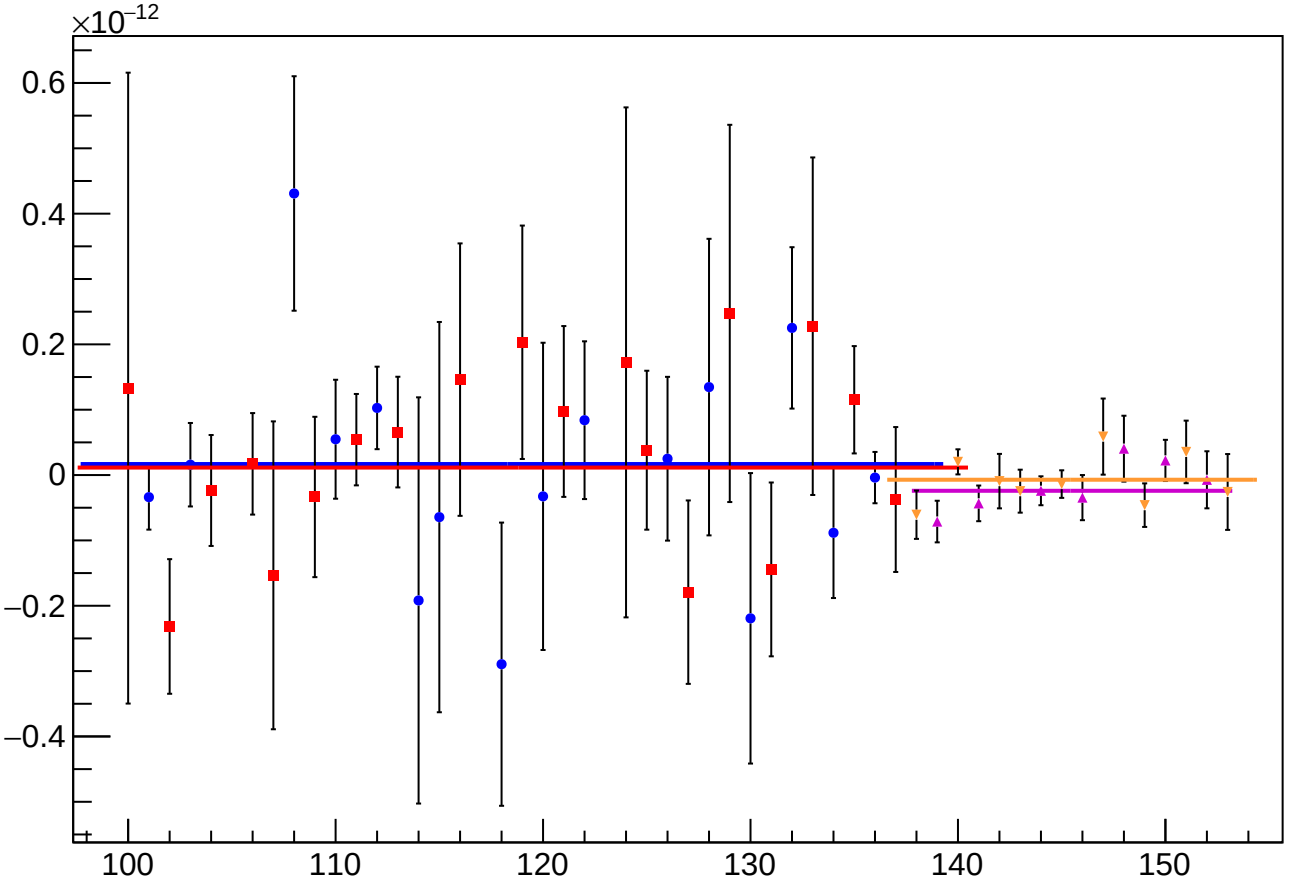
Left In: 800.574+/-0.234 χ^2/NDF:423059.3/6

+ sign 916.904+/-0.179 χ^2/NDF: 2062924.6/24

All: 909.506+/-0.127 χ^2/NDF: 4152188.0/50

- sign 901.987+/-0.181 χ^2/NDF: 2085829.6/25

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.1/8

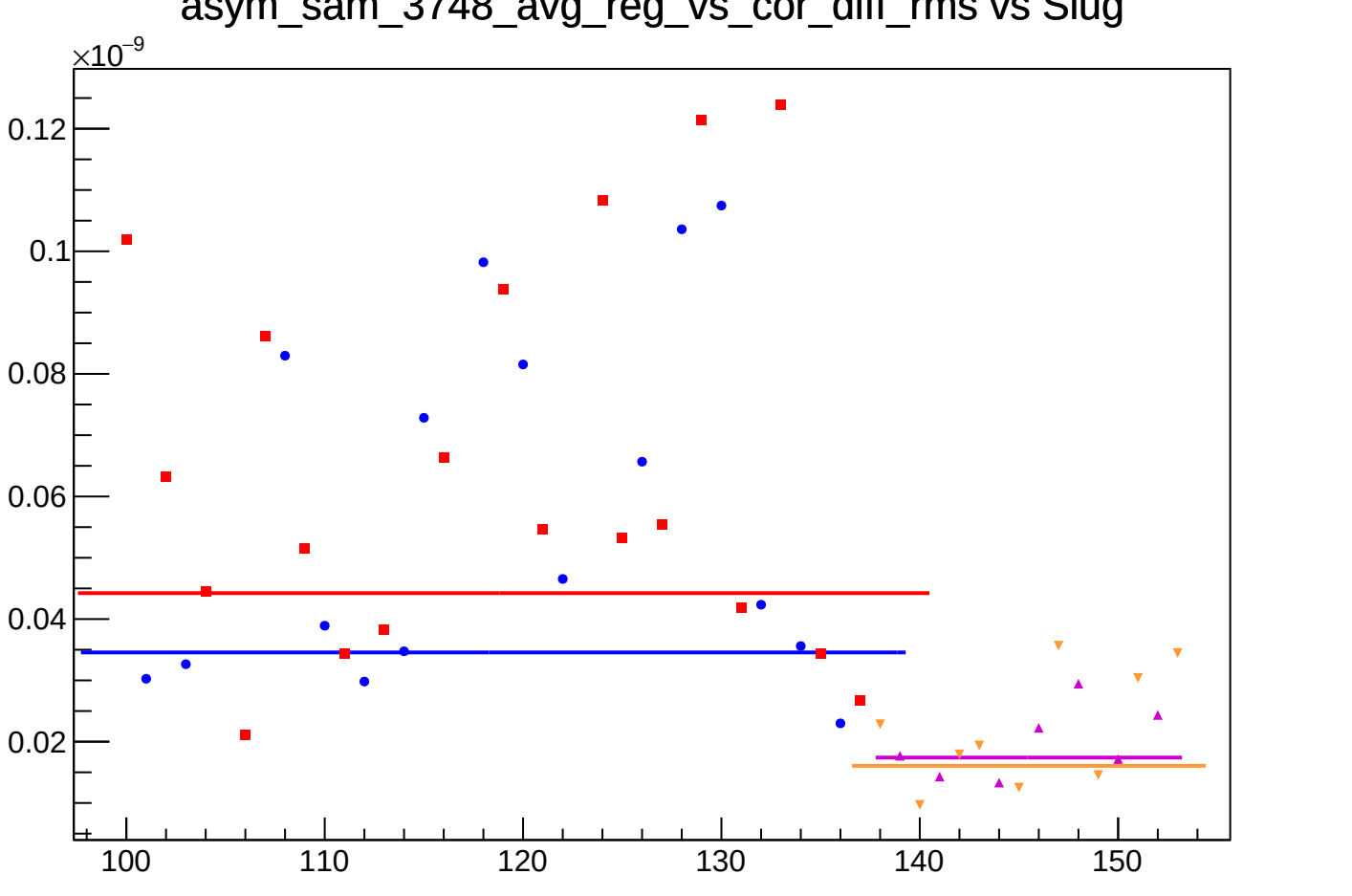
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/6

+ sign -0.000+/-0.000 χ^2/NDF: 25.9/24

All: -0.000+/-0.000 χ^2/NDF: 51.1/50

- sign -0.000+/-0.000 χ^2/NDF: 24.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:979341.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

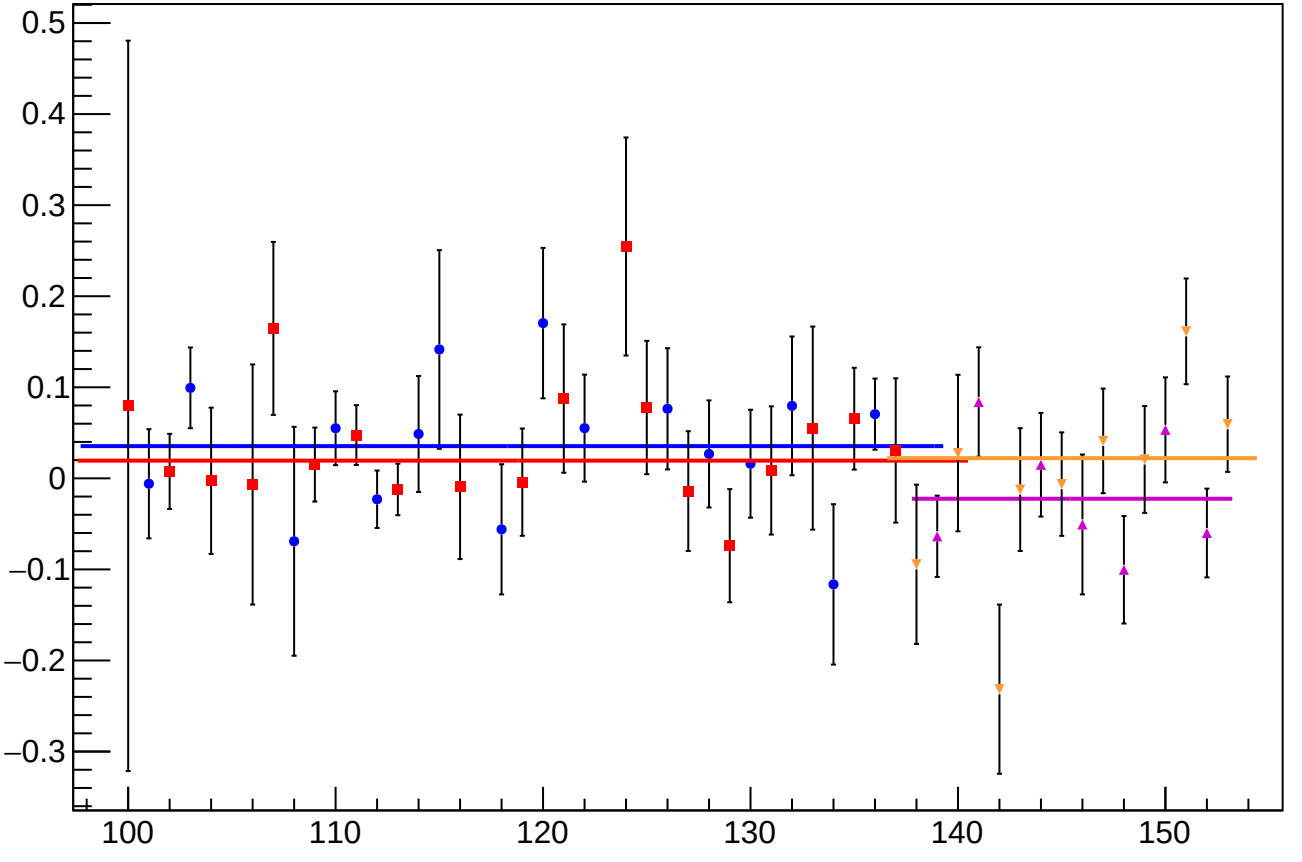
Left In: 0.000+/-0.000 χ^2/NDF:298666.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3336449.4/24

All: 0.000+/-0.000 χ^2/NDF: 6423799.9/50

- sign 0.000+/-0.000 χ^2/NDF: 3038745.2/25

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.022+/-0.021 χ^2/NDF:16.1/8

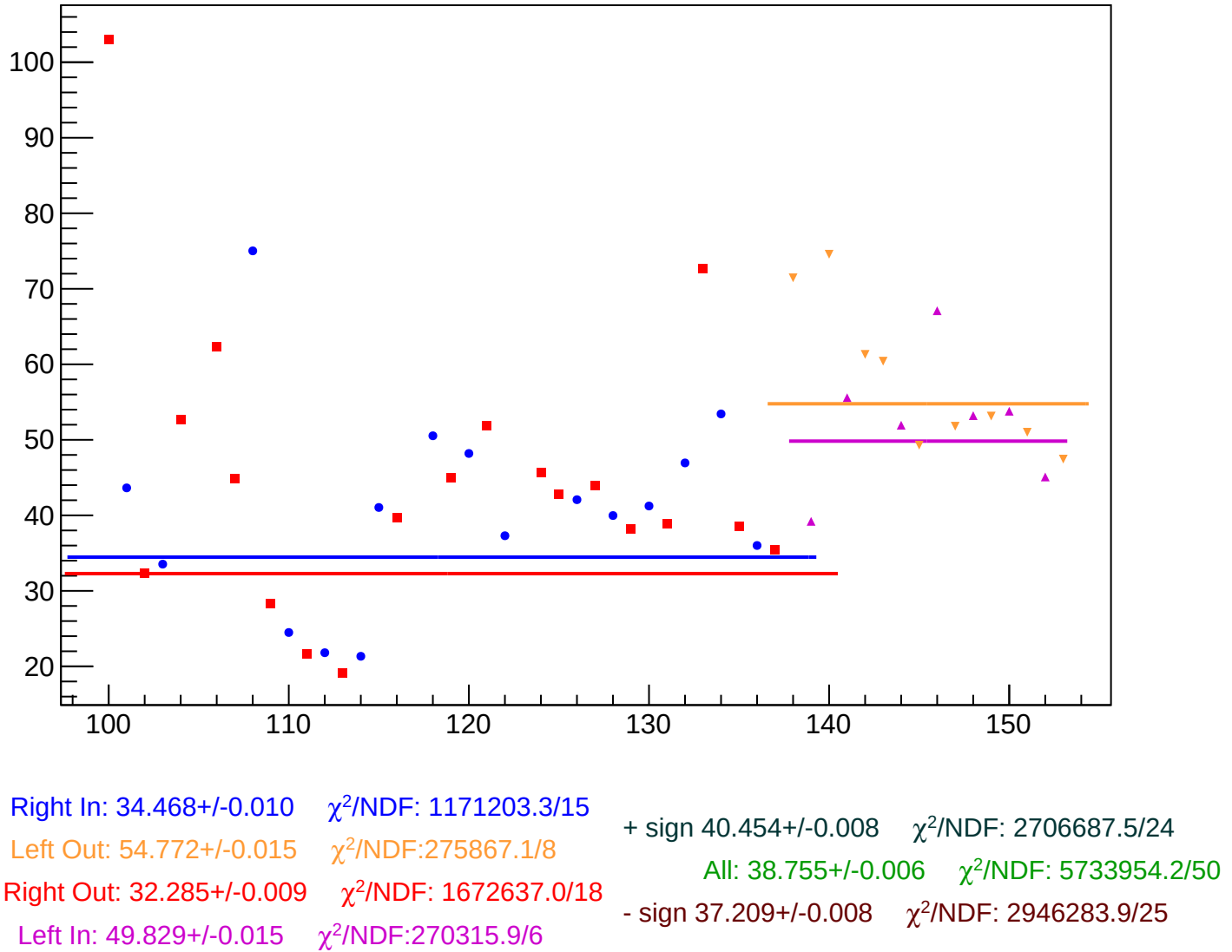
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

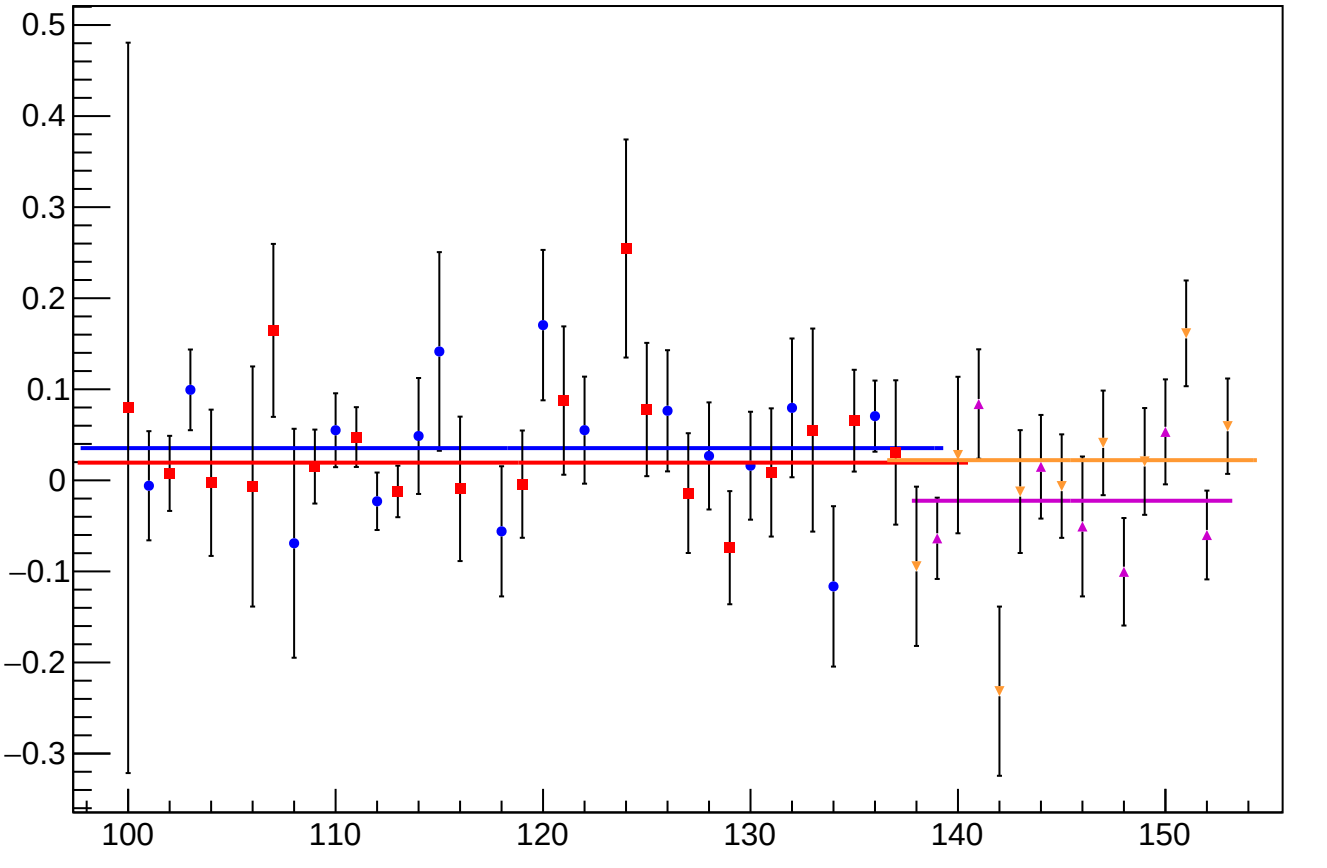
Left In: -0.022+/-0.021 χ^2/NDF:8.6/6

+ sign 0.031+/-0.012 χ^2/NDF: 33.3/24

All: 0.019+/-0.008 χ^2/NDF: 60.4/50

- sign 0.008+/-0.011 χ^2/NDF: 24.8/25


asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 54.772+/-0.015 χ²/NDF:275867.1/8
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 49.829+/-0.015 χ²/NDF:270315.9/6
+ sign 40.454+/-0.008 χ²/NDF: 2706687.5/24
All: 38.755+/-0.006 χ²/NDF: 5733954.2/50
- sign 37.209+/-0.008 χ²/NDF: 2946283.9/25



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.022+/-0.021 χ^2/NDF:16.1/8

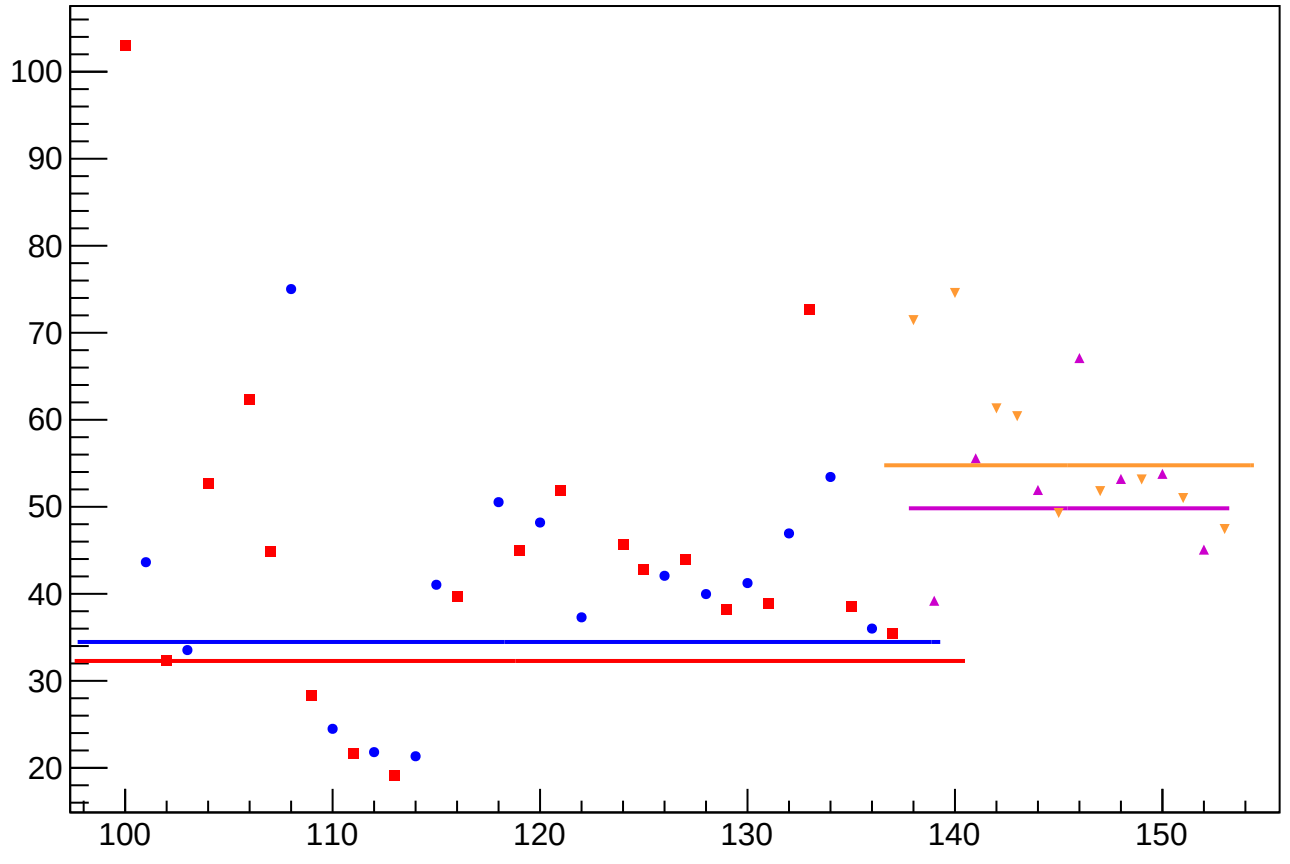
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.022+/-0.021 χ^2/NDF:8.6/6

+ sign 0.031+/-0.012 χ^2/NDF: 33.3/24

All: 0.019+/-0.008 χ^2/NDF: 60.4/50

- sign 0.008+/-0.011 χ^2/NDF: 24.8/25



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 54.772+/-0.015 χ^2/NDF:275867.1/8

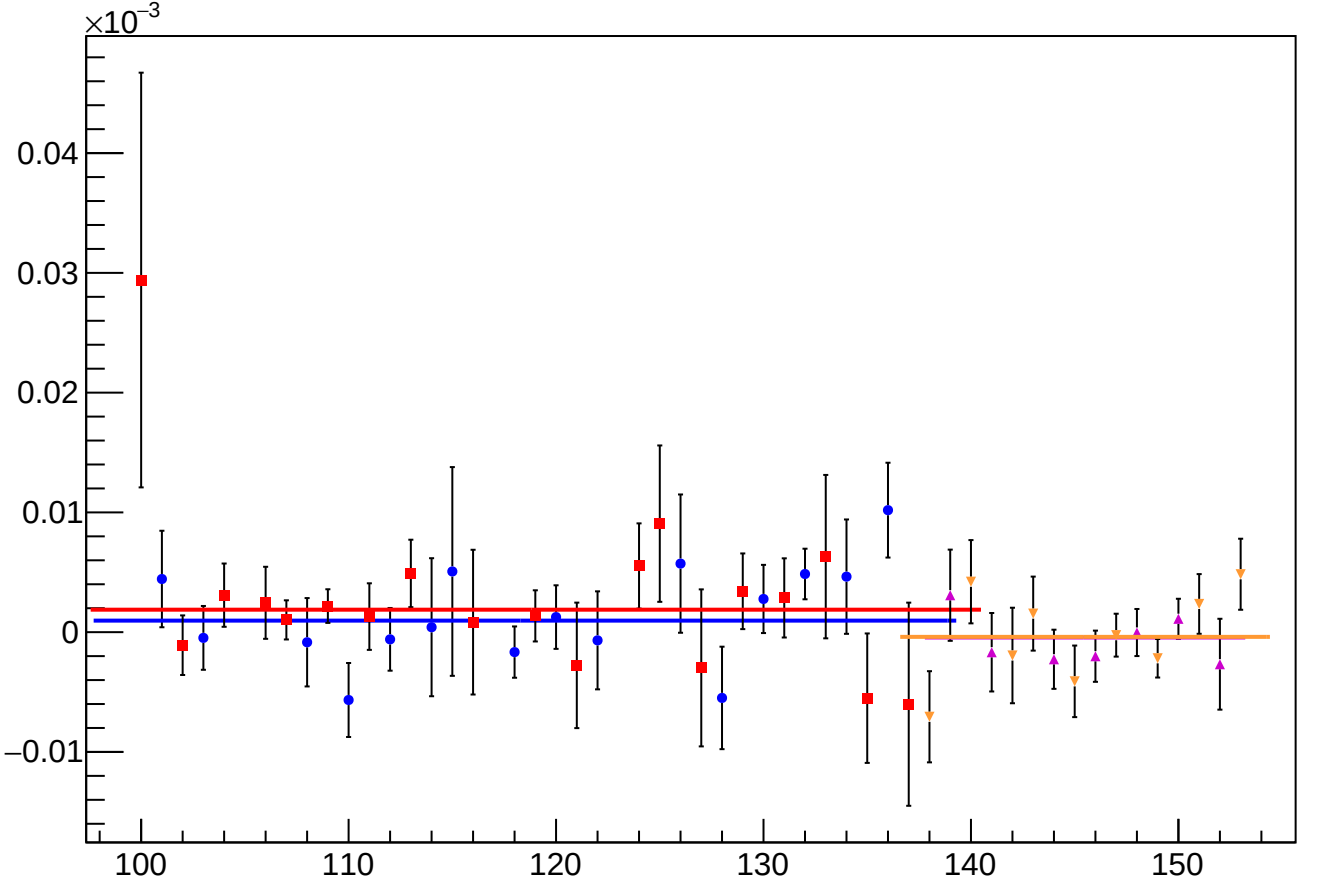
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.829+/-0.015 χ^2/NDF:270315.9/6

+ sign 40.454+/-0.008 χ^2/NDF: 2706687.5/24

All: 38.755+/-0.006 χ^2/NDF: 5733954.2/50

- sign 37.209+/-0.008 χ^2/NDF: 2946283.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.5/8

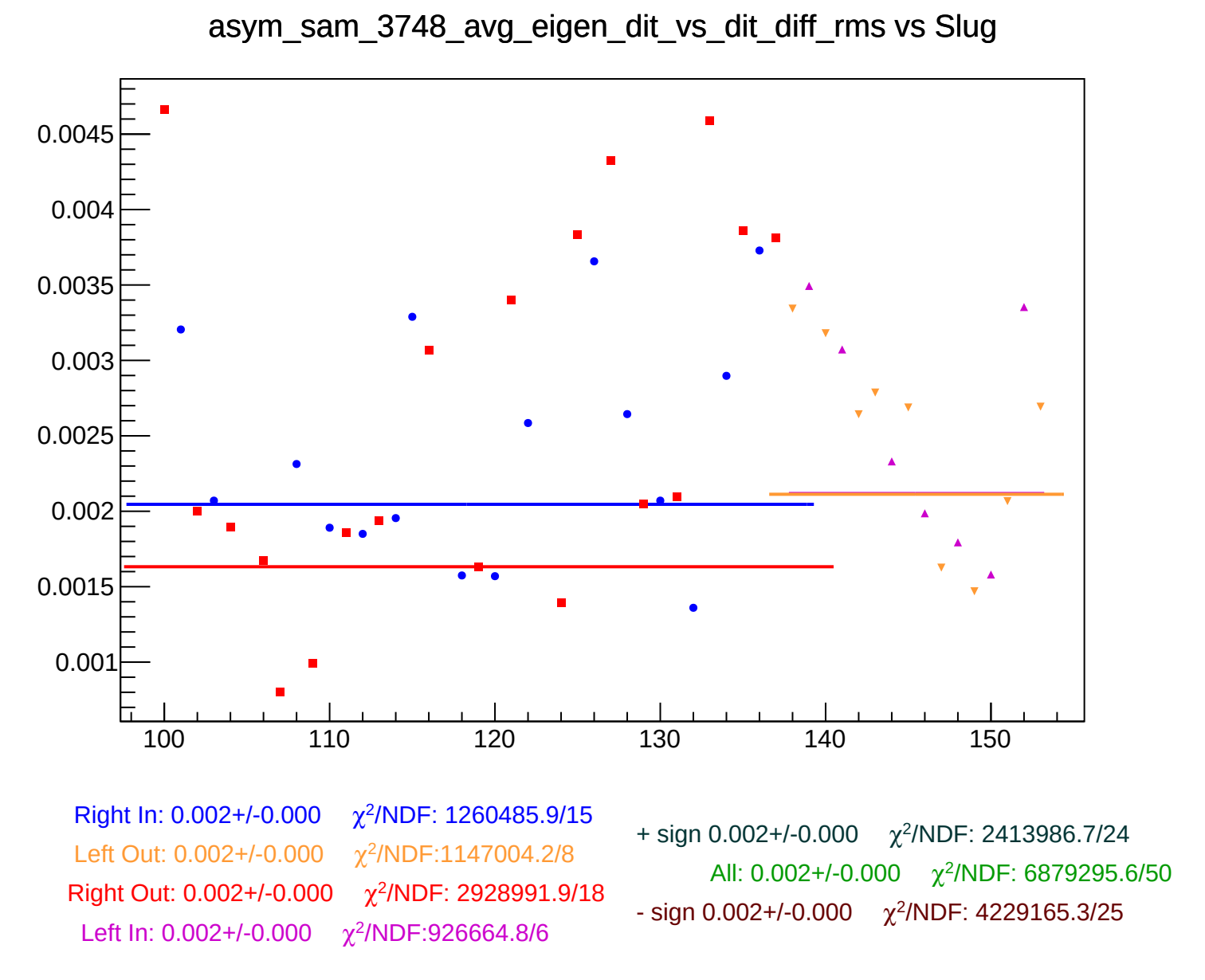
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

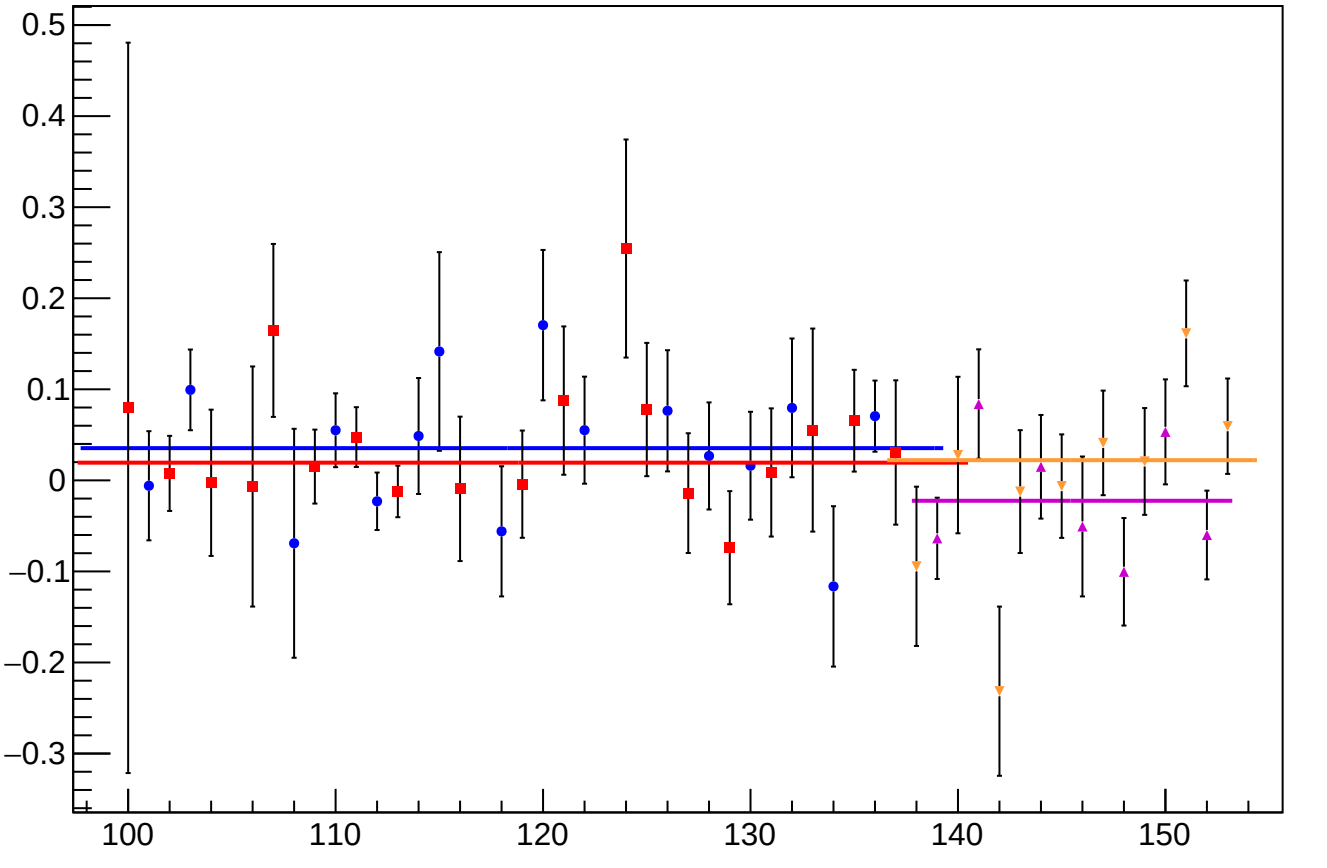
Left In: -0.000+/-0.000 χ^2/NDF:3.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 34.8/24

All: 0.000+/-0.000 χ^2/NDF: 56.1/50

- sign 0.000+/-0.000 χ^2/NDF: 20.5/25


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1147004.2/8
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:926664.8/6
+ sign 0.002+/-0.000 χ²/NDF: 2413986.7/24
All: 0.002+/-0.000 χ²/NDF: 6879295.6/50
- sign 0.002+/-0.000 χ²/NDF: 4229165.3/25



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.022+/-0.021 χ^2/NDF:16.1/8

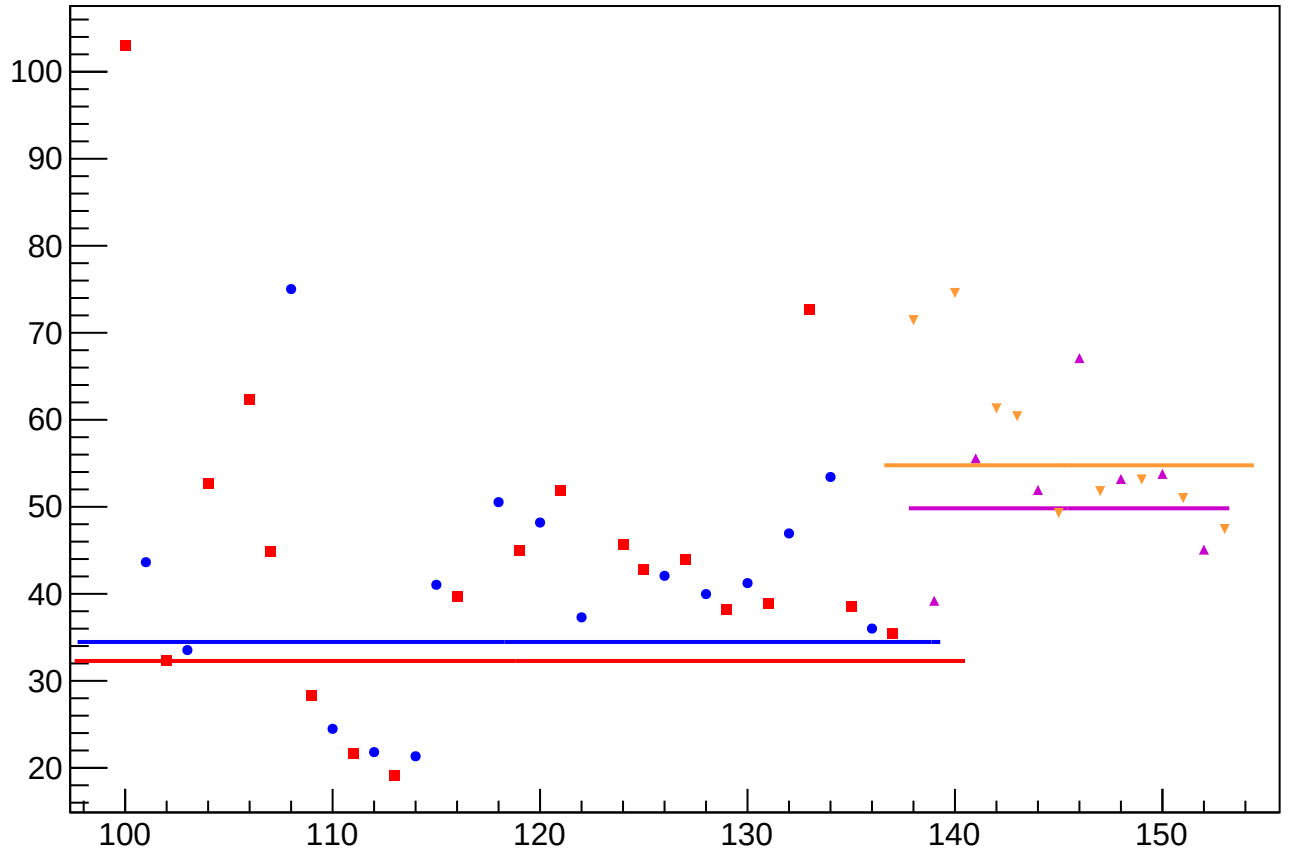
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.022+/-0.021 χ^2/NDF:8.6/6

+ sign 0.031+/-0.012 χ^2/NDF: 33.3/24

All: 0.019+/-0.008 χ^2/NDF: 60.4/50

- sign 0.008+/-0.011 χ^2/NDF: 24.8/25



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 54.773+/-0.015 χ^2/NDF:275846.4/8

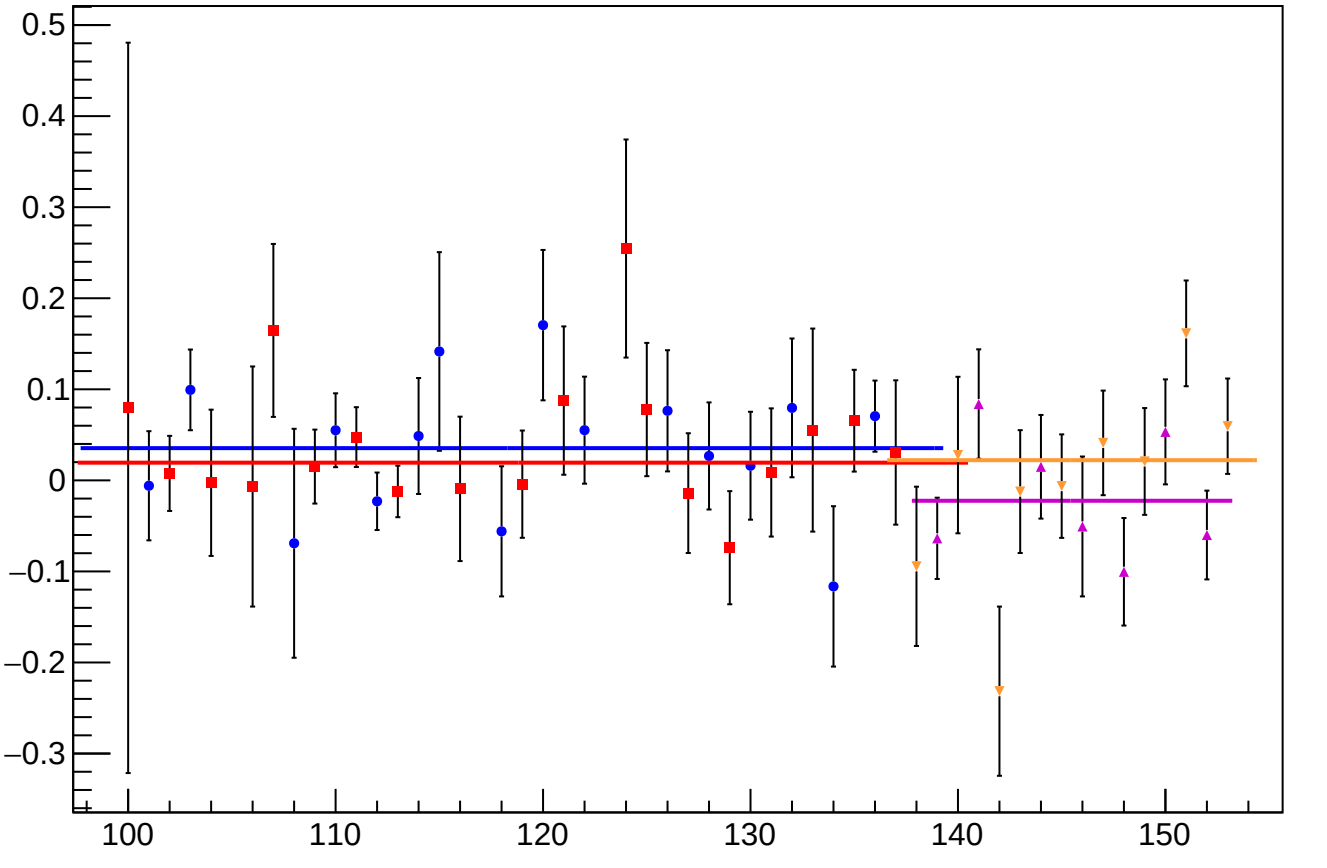
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.829+/-0.015 χ^2/NDF:270325.6/6

+ sign 40.454+/-0.008 χ^2/NDF: 2706661.7/24

All: 38.756+/-0.006 χ^2/NDF: 5733914.0/50

- sign 37.210+/-0.008 χ^2/NDF: 2946269.5/25



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.022+/-0.021 χ^2/NDF:16.1/8

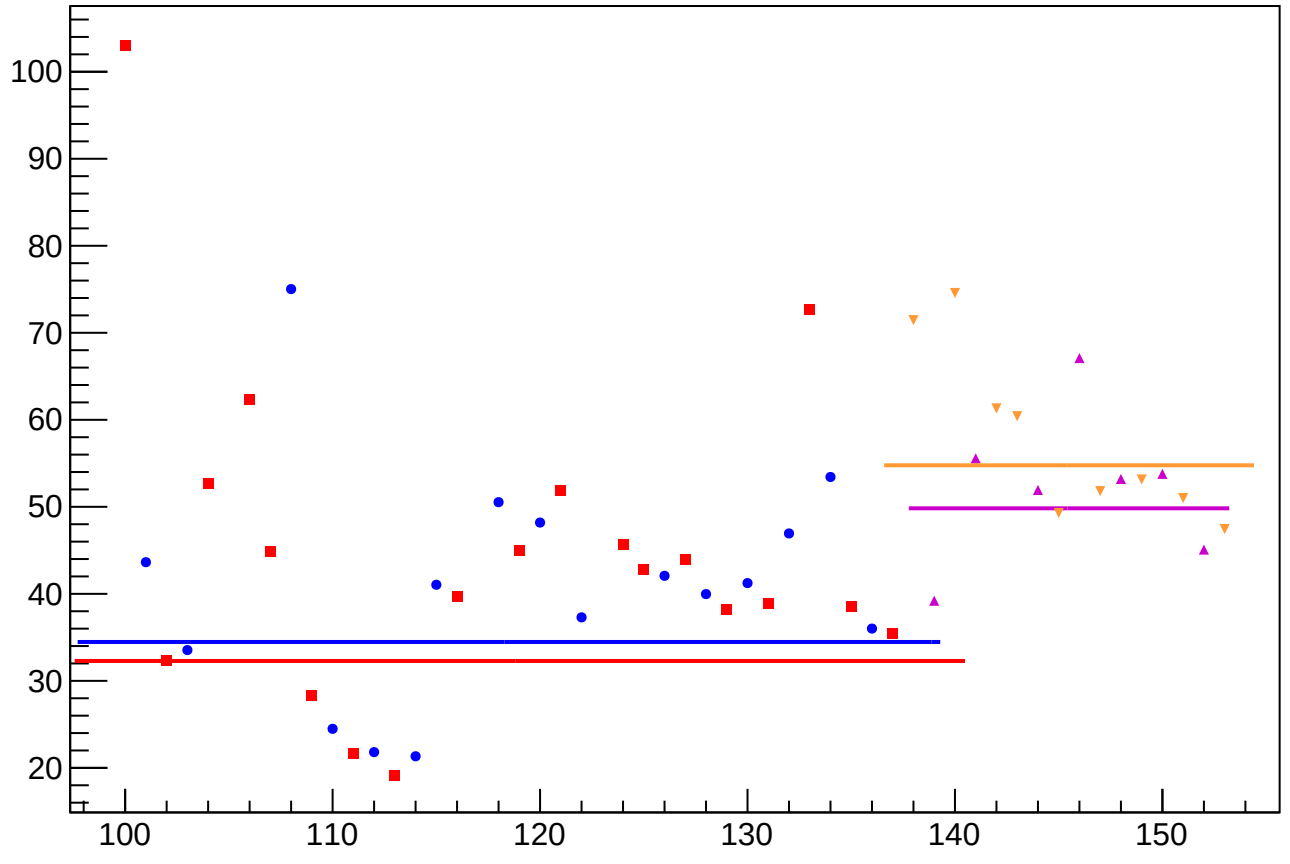
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.022+/-0.021 χ^2/NDF:8.6/6

\+ sign 0.031+/-0.012 χ^2/NDF: 33.3/24

All: 0.019+/-0.008 χ^2/NDF: 60.4/50

\- sign 0.008+/-0.011 χ^2/NDF: 24.8/25



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 54.773+/-0.015 χ^2/NDF:275846.4/8

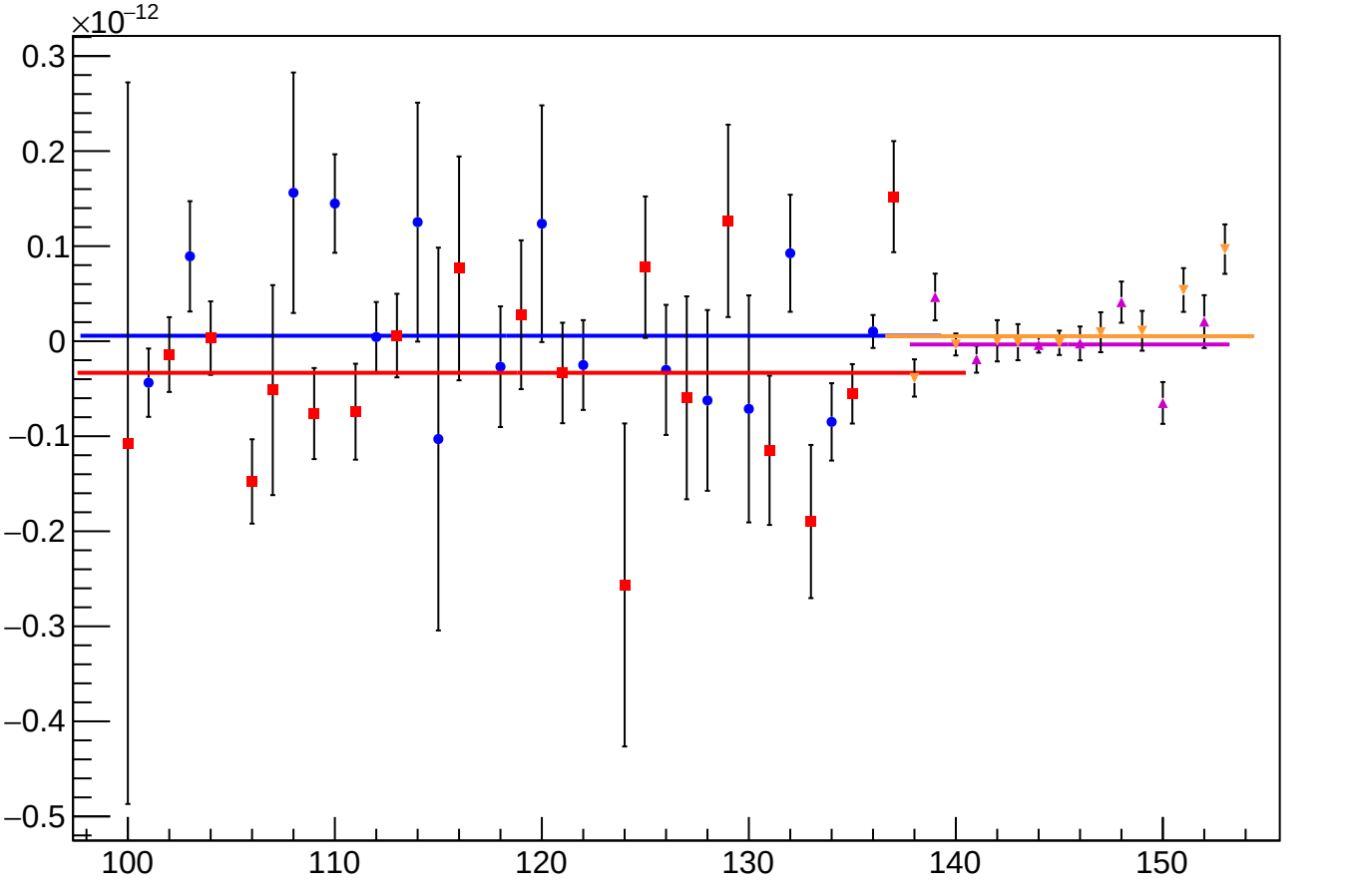
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.829+/-0.015 χ^2/NDF:270325.6/6

+ sign 40.454+/-0.008 χ^2/NDF: 2706661.7/24

All: 38.756+/-0.006 χ^2/NDF: 5733914.0/50

- sign 37.210+/-0.008 χ^2/NDF: 2946269.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/8

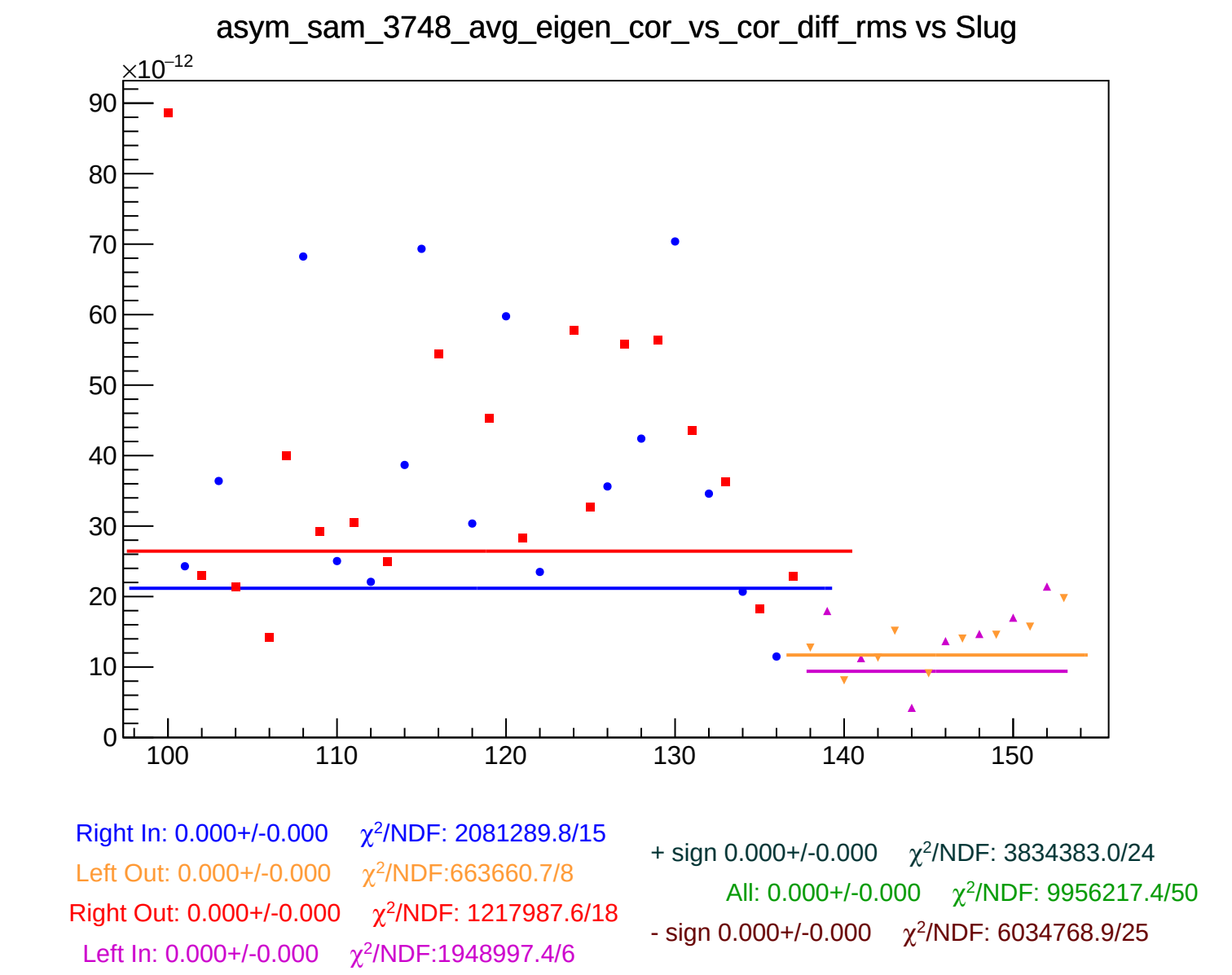
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 46.6/24

All: -0.000+/-0.000 χ^2/NDF: 106.0/50

- sign -0.000+/-0.000 χ^2/NDF: 56.0/25


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
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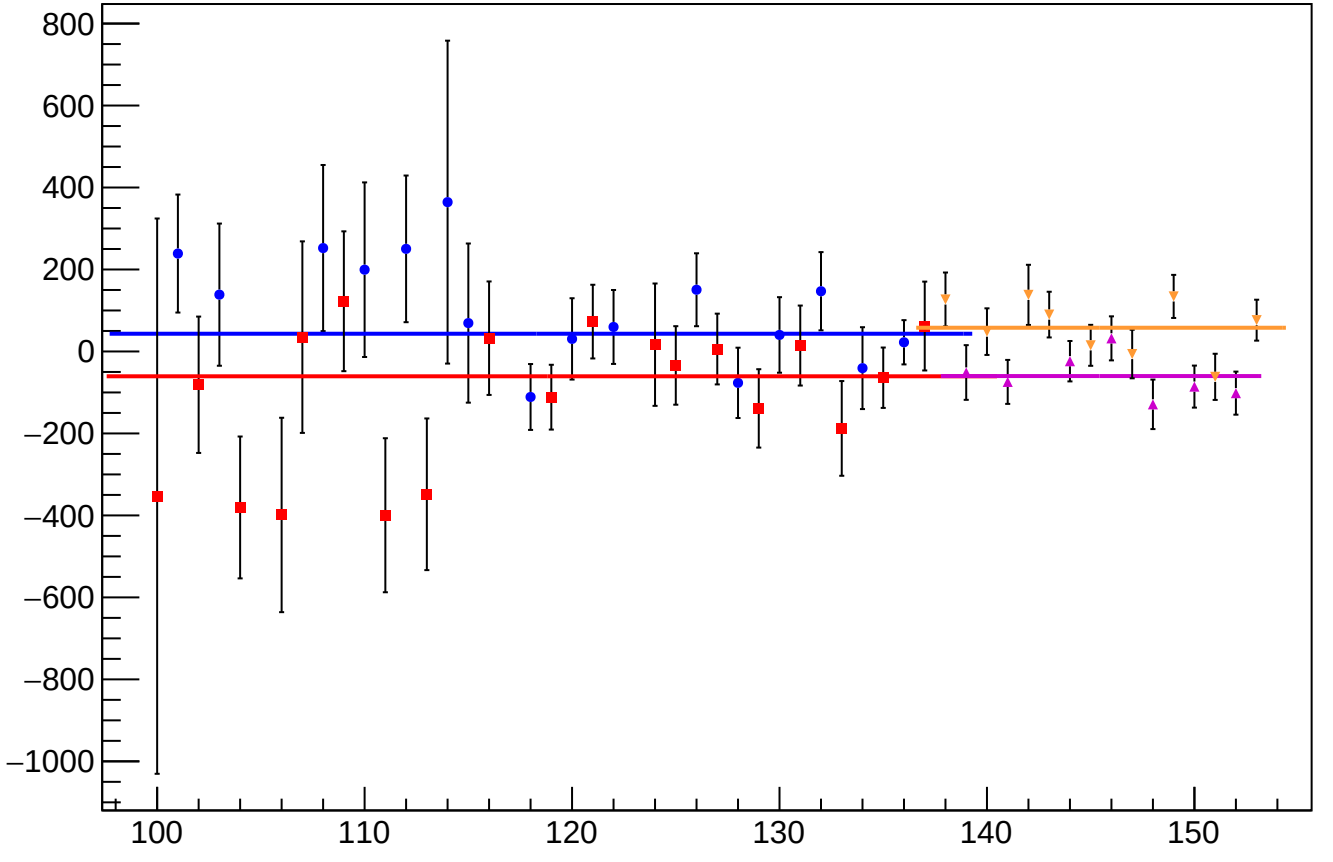
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:663660.7/8
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:1948997.4/6
+ sign 0.000+/-0.000 χ²/NDF: 3834383.0/24
All: 0.000+/-0.000 χ²/NDF: 9956217.4/50
- sign 0.000+/-0.000 χ²/NDF: 6034768.9/25

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 57.873+/-18.857 χ^2/NDF:11.3/8

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

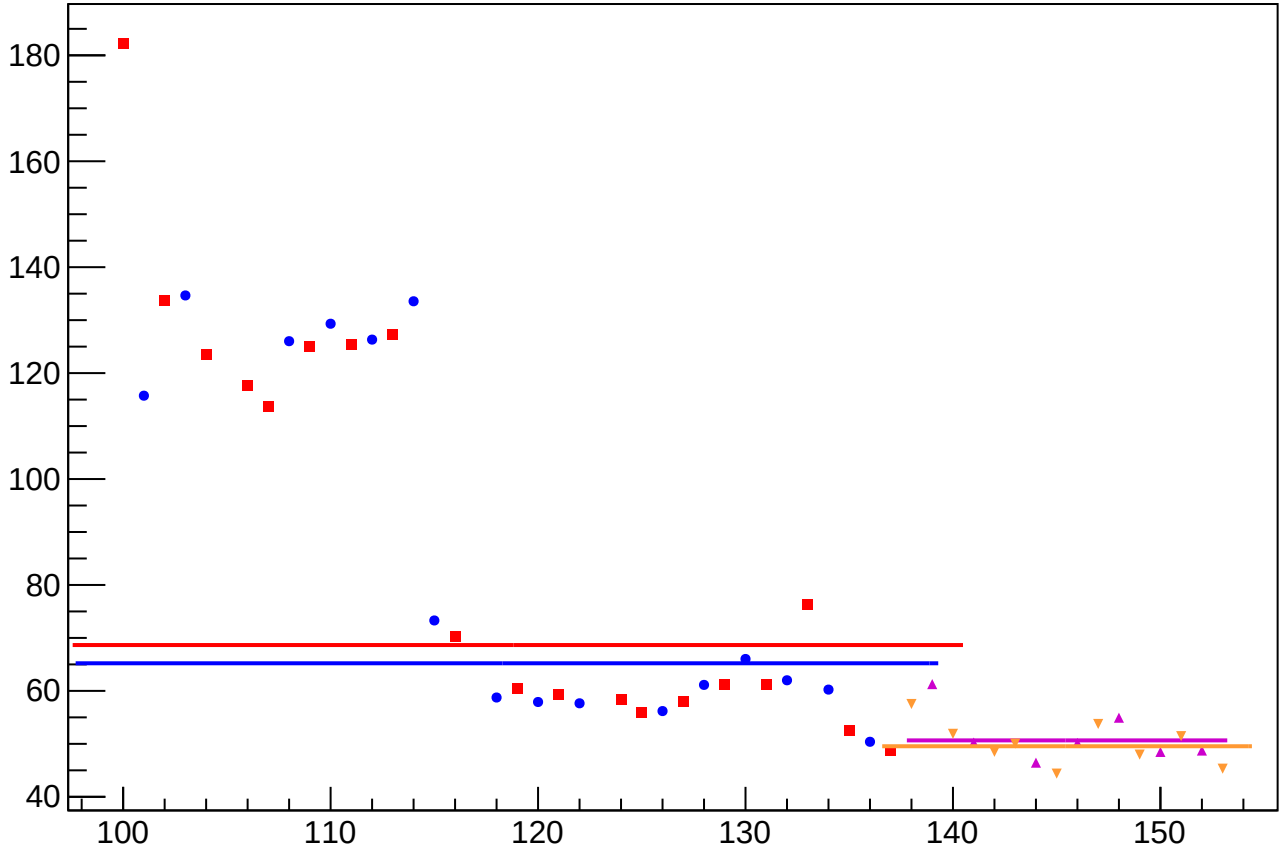
Left In: -60.005+/-20.640 χ^2/NDF:5.7/6

+ sign 52.775+/-15.220 χ^2/NDF: 26.5/24

All: 0.400+/-11.148 χ^2/NDF: 78.2/50

- sign -60.219+/-16.374 χ^2/NDF: 26.2/25

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 49.548+/-0.013 χ^2/NDF:83362.1/8

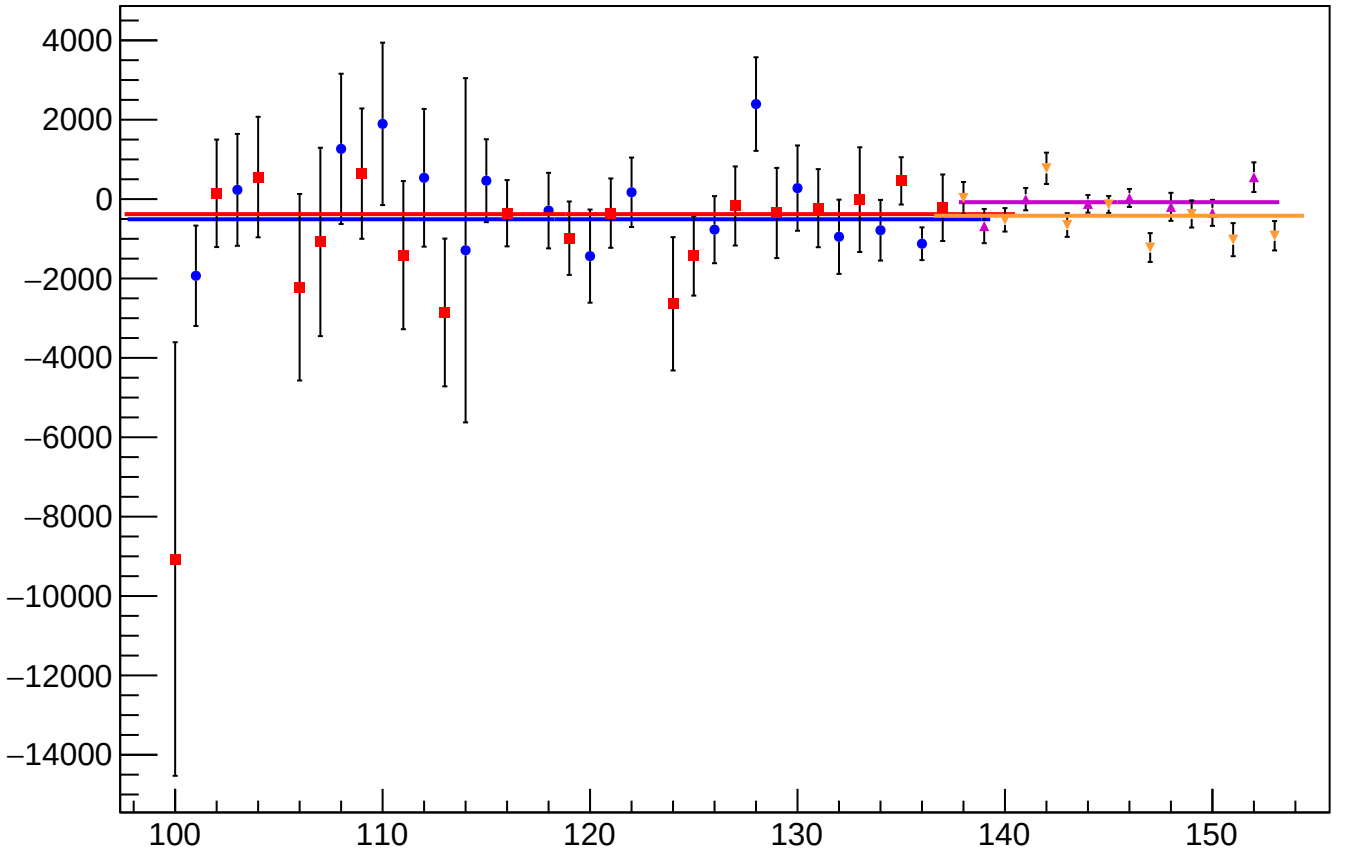
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 50.654+/-0.015 χ^2/NDF:81925.1/6

+ sign 55.008+/-0.011 χ^2/NDF: 2010892.8/24

All: 56.083+/-0.008 χ^2/NDF: 4319209.6/50

- sign 57.327+/-0.012 χ^2/NDF: 2286790.6/25



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -419.012+/-107.602 χ^2/NDF:21.7/8

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

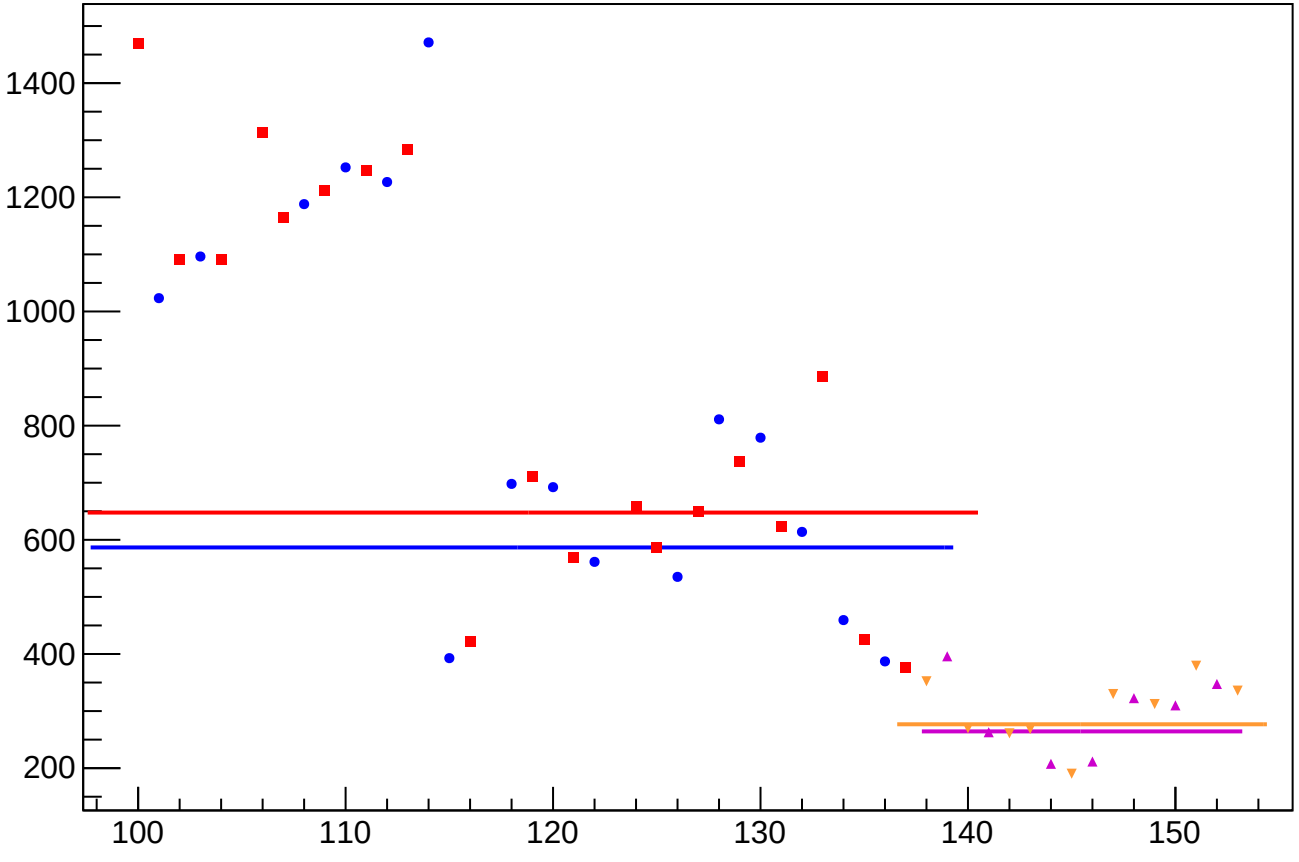
Left In: -77.325+/-110.316 χ^2/NDF:5.9/6

+ sign -434.214+/-97.973 χ^2/NDF: 37.4/24

All: -284.546+/-70.436 χ^2/NDF: 61.1/50

- sign -124.428+/-101.335 χ^2/NDF: 18.8/25

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 276.880+/-0.076 χ^2/NDF:641933.8/8

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

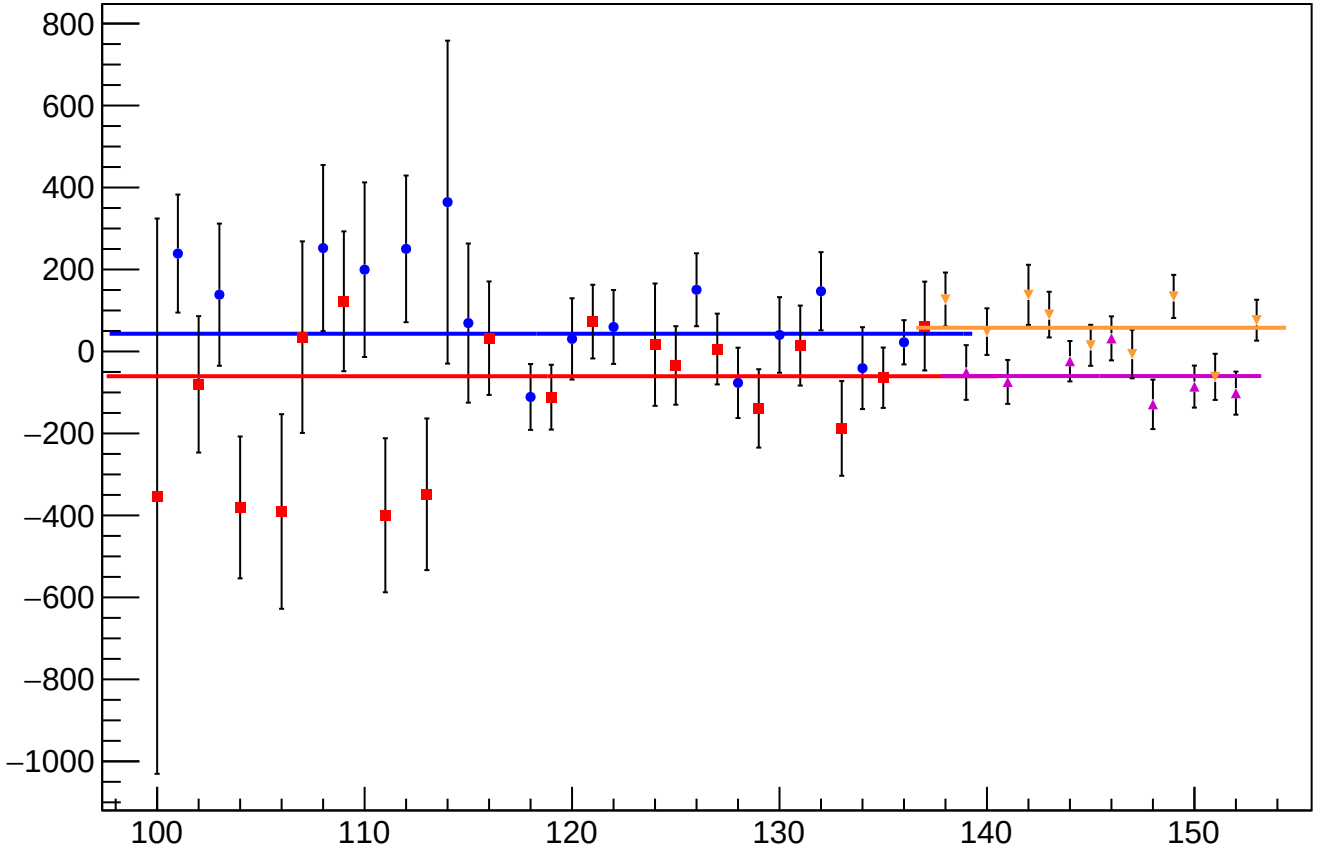
Left In: 264.415+/-0.078 χ^2/NDF:616658.7/6

+ sign 329.840+/-0.069 χ^2/NDF: 5528894.0/24

All: 327.157+/-0.050 χ^2/NDF: 12026004.9/50

- sign 324.287+/-0.072 χ^2/NDF: 6494007.2/25

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 57.878+/-18.857 χ^2/NDF:11.3/8

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

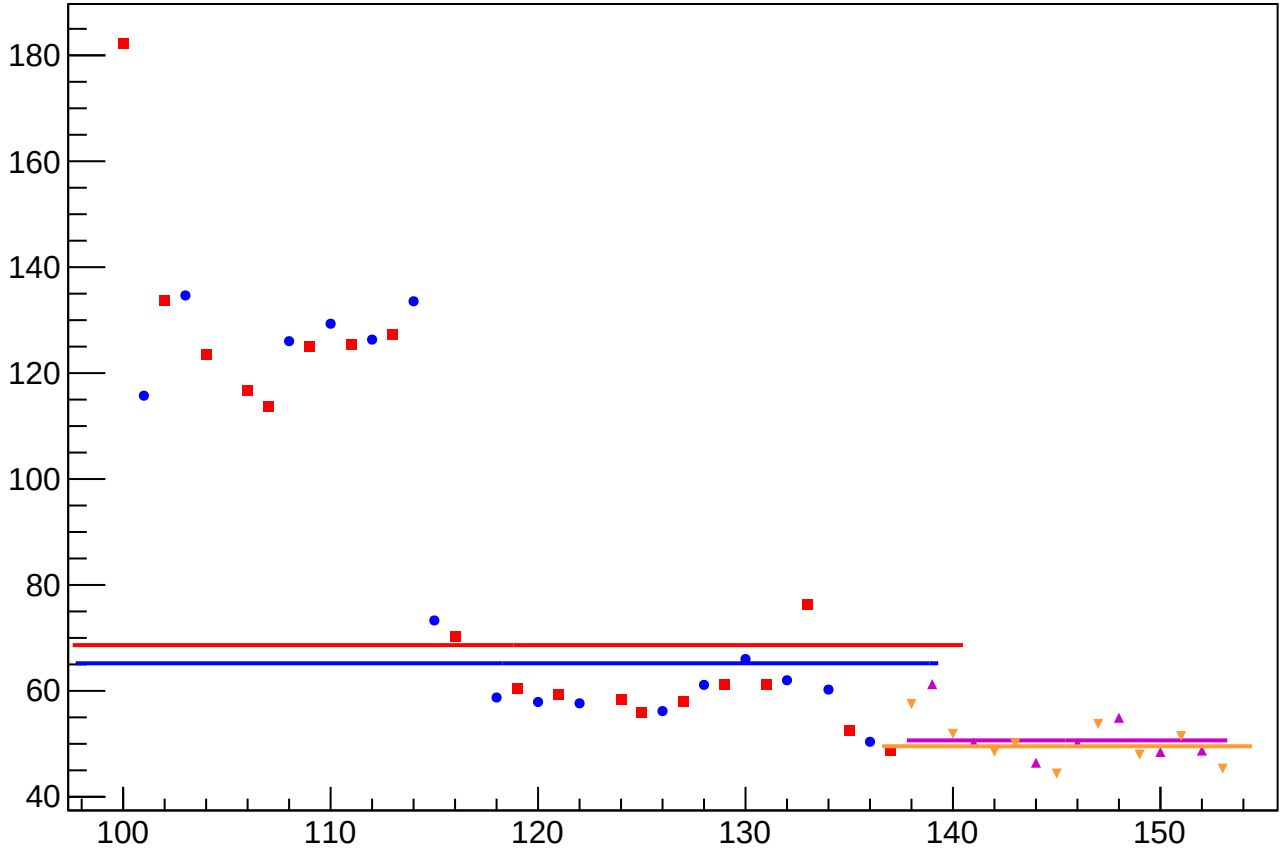
Left In: -60.004+/-20.640 χ^2/NDF:5.7/6

+ sign 52.776+/-15.220 χ^2/NDF: 26.5/24

All: 0.426+/-11.148 χ^2/NDF: 78.1/50

- sign -60.163+/-16.374 χ^2/NDF: 26.1/25

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.548+/-0.013 χ^2/NDF:83362.1/8

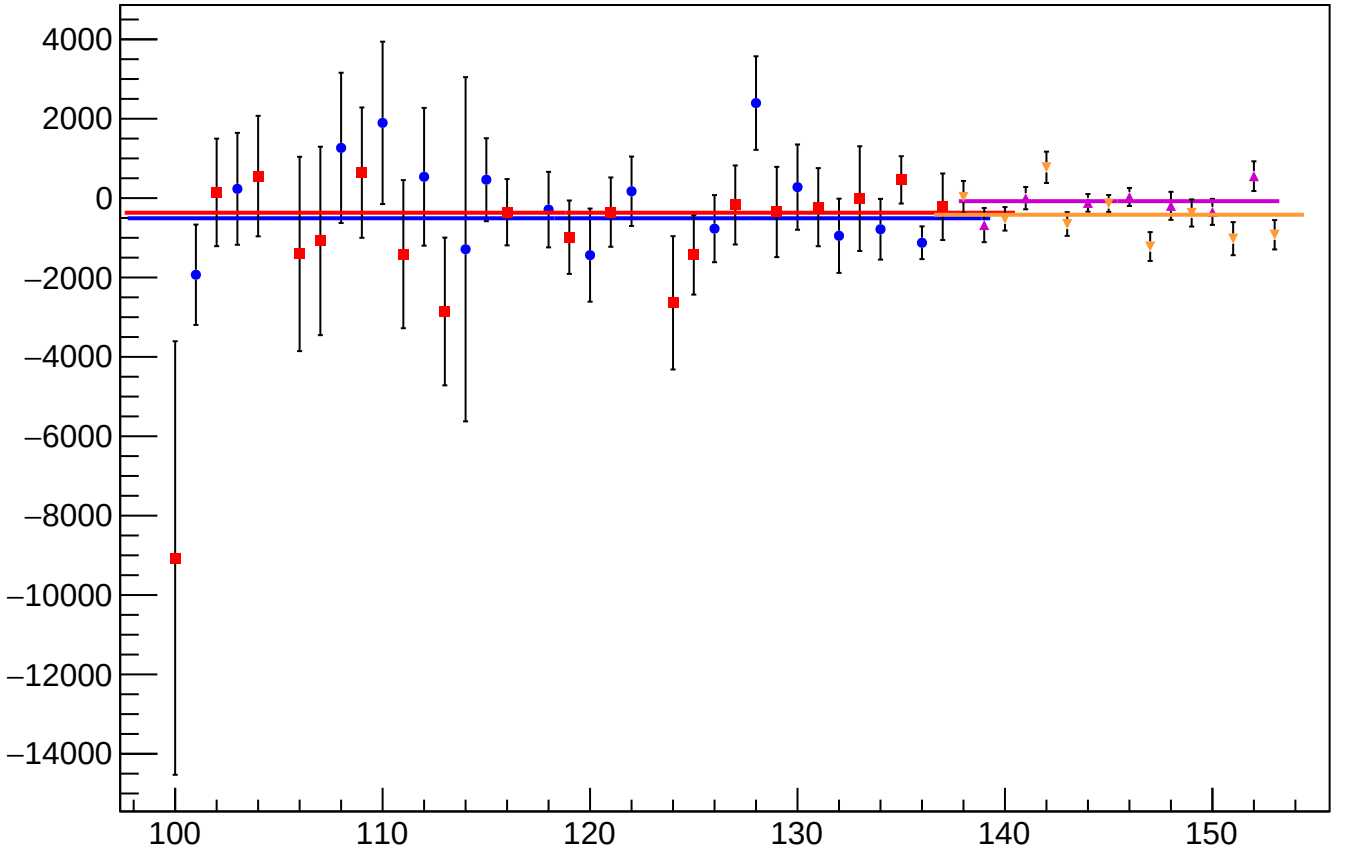
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.654+/-0.015 χ^2/NDF:81925.1/6

+ sign 55.008+/-0.011 χ^2/NDF: 2010894.9/24

All: 56.080+/-0.008 χ^2/NDF: 4314842.3/50

- sign 57.321+/-0.012 χ^2/NDF: 2282525.0/25



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -419.007+/-107.602 χ^2/NDF:21.7/8

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

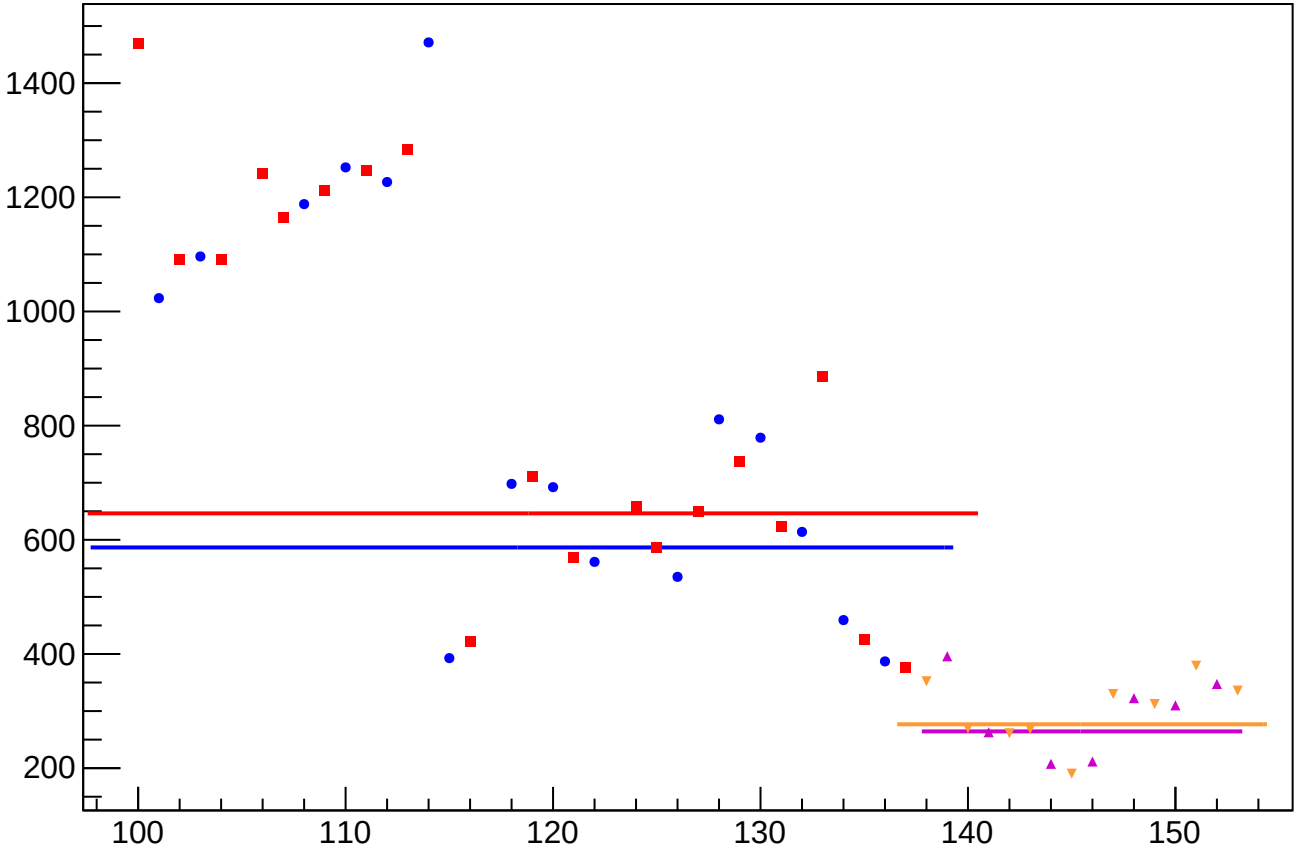
Left In: -77.325+/-110.316 χ^2/NDF:5.9/6

+ sign -434.207+/-97.973 χ^2/NDF: 37.4/24

All: -283.740+/-70.439 χ^2/NDF: 60.6/50

- sign -122.741+/-101.343 χ^2/NDF: 18.3/25

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 276.879+/-0.076 χ^2/NDF:641937.0/8

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

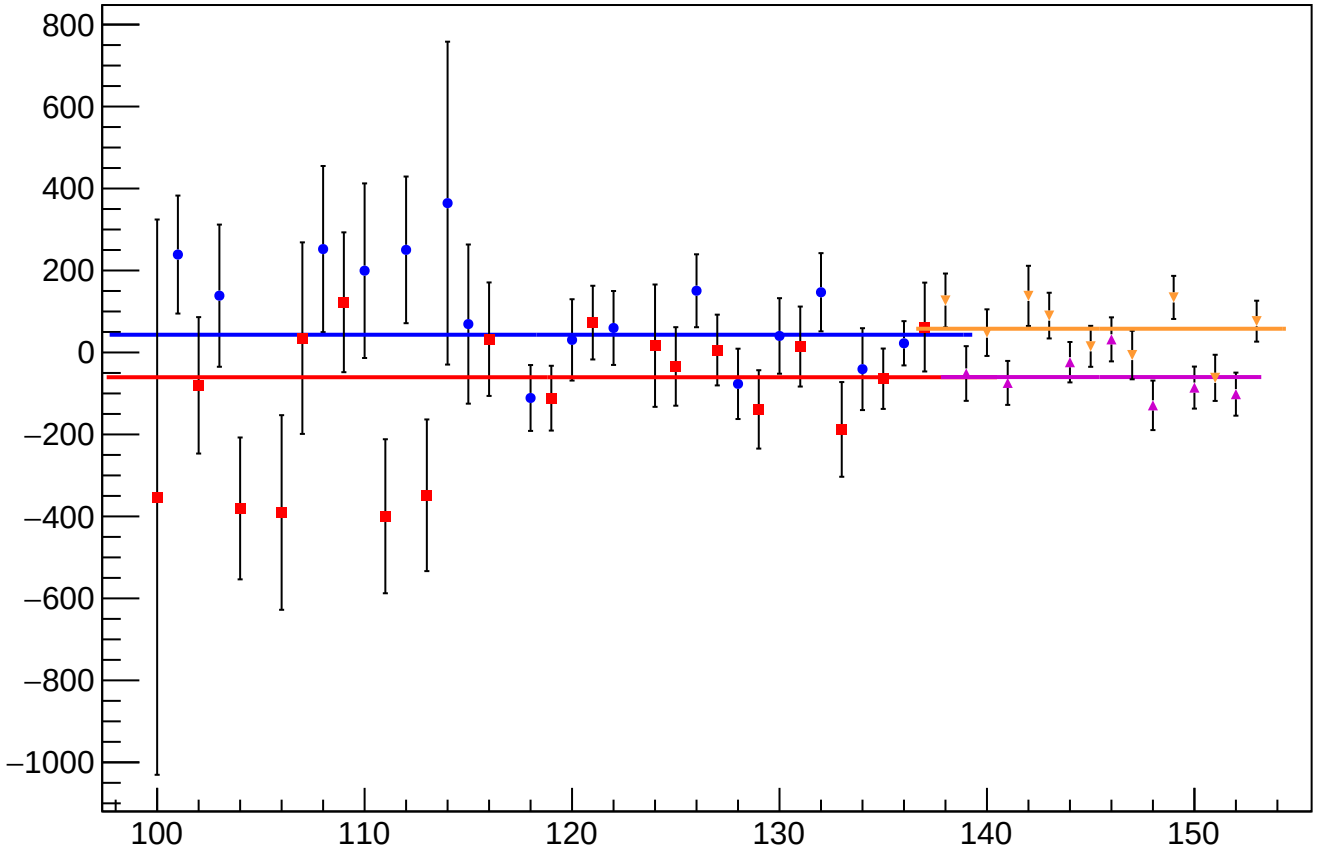
Left In: 264.415+/-0.078 χ^2/NDF:616655.9/6

+ sign 329.839+/-0.069 χ^2/NDF: 5528926.9/24

All: 327.027+/-0.050 χ^2/NDF: 11953102.3/50

- sign 324.017+/-0.072 χ^2/NDF: 6420763.7/25

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 57.878+/-18.857 χ^2/NDF:11.3/8

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

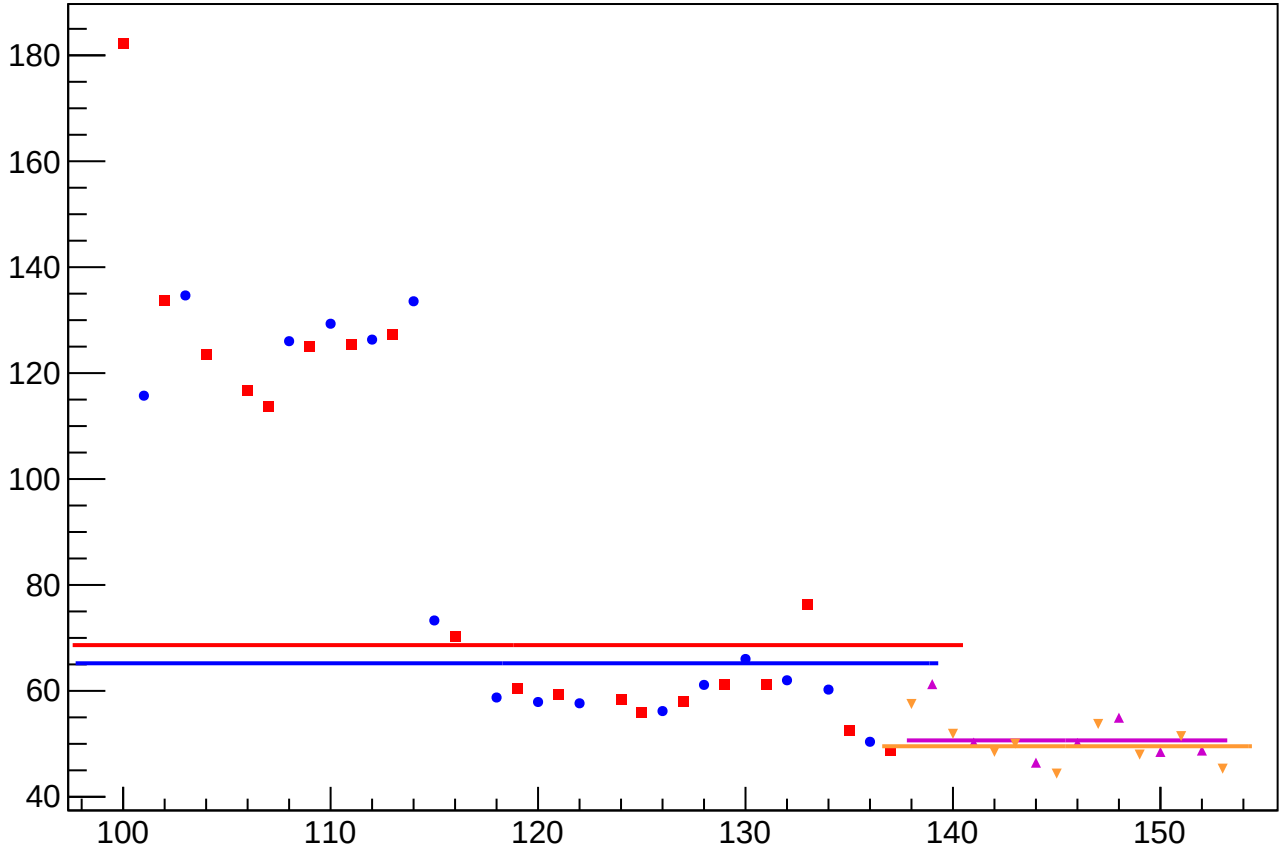
Left In: -60.004+/-20.640 χ^2/NDF:5.7/6

+ sign 52.776+/-15.220 χ^2/NDF: 26.5/24

All: 0.426+/-11.148 χ^2/NDF: 78.1/50

- sign -60.163+/-16.374 χ^2/NDF: 26.1/25

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.548+/-0.013 χ^2/NDF:83362.1/8

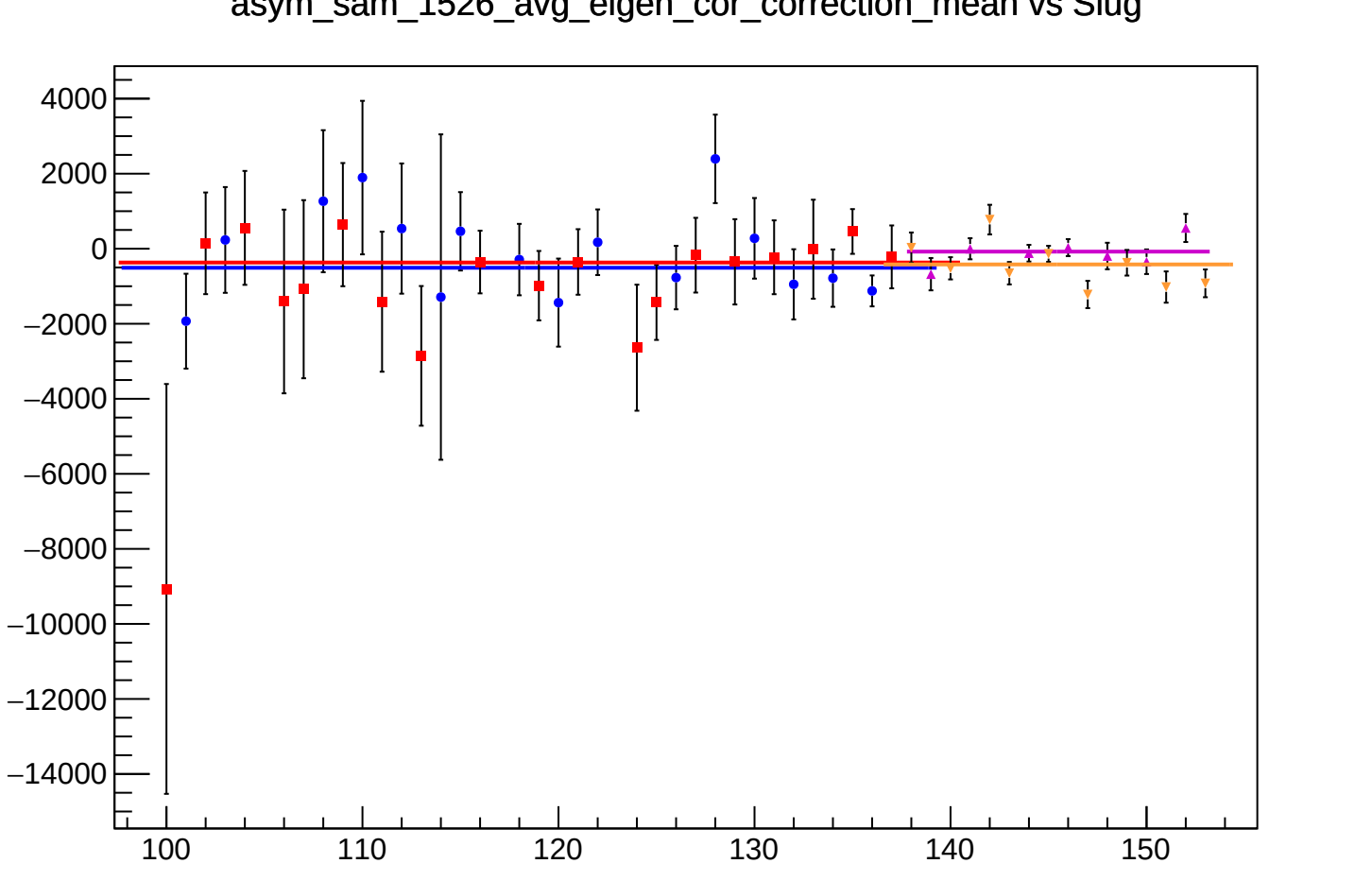
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.654+/-0.015 χ^2/NDF:81925.1/6

+ sign 55.008+/-0.011 χ^2/NDF: 2010894.9/24

All: 56.080+/-0.008 χ^2/NDF: 4314842.3/50

- sign 57.321+/-0.012 χ^2/NDF: 2282525.0/25



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -419.007+/-107.602 χ^2/NDF:21.7/8

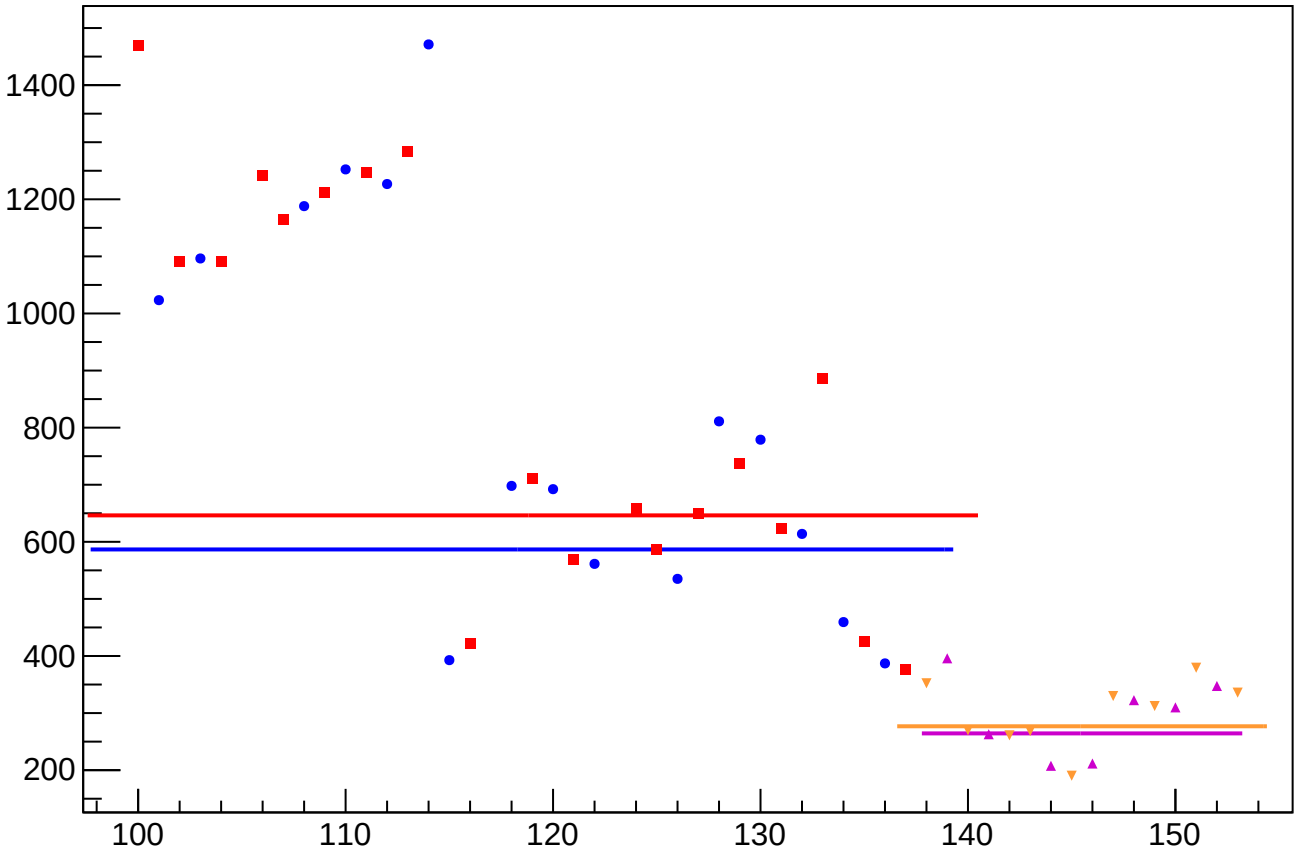
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -77.325+/-110.316 χ^2/NDF:5.9/6

+ sign -434.207+/-97.973 χ^2/NDF: 37.4/24

All: -283.740+/-70.439 χ^2/NDF: 60.6/50

- sign -122.741+/-101.343 χ^2/NDF: 18.3/25



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 276.879+/-0.076 χ^2/NDF:641937.0/8

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

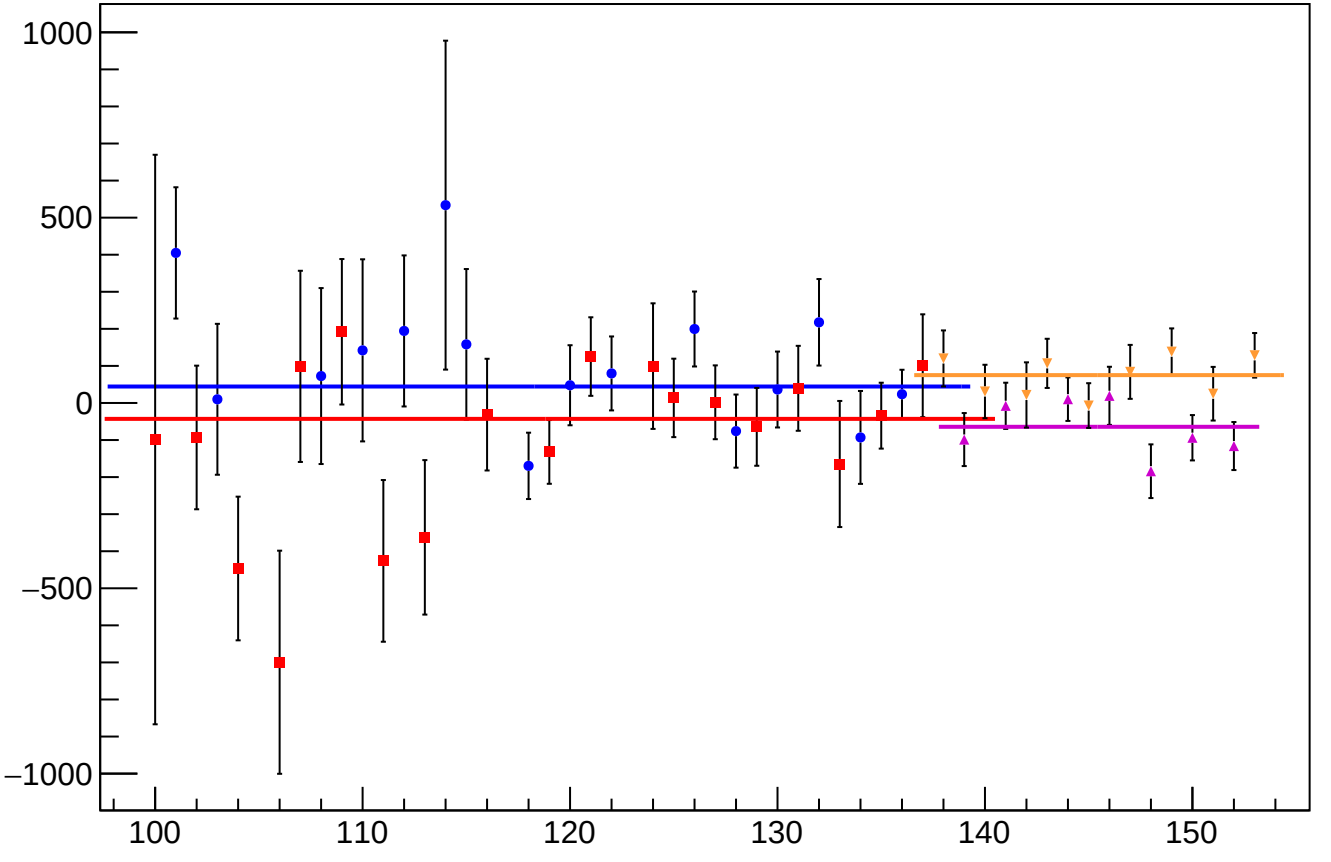
Left In: 264.415+/-0.078 χ^2/NDF:616655.9/6

+ sign 329.839+/-0.069 χ^2/NDF: 5528926.9/24

All: 327.027+/-0.050 χ^2/NDF: 11953102.3/50

- sign 324.017+/-0.072 χ^2/NDF: 6420763.7/25

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 75.134+/-22.898 χ^2/NDF:5.5/8

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

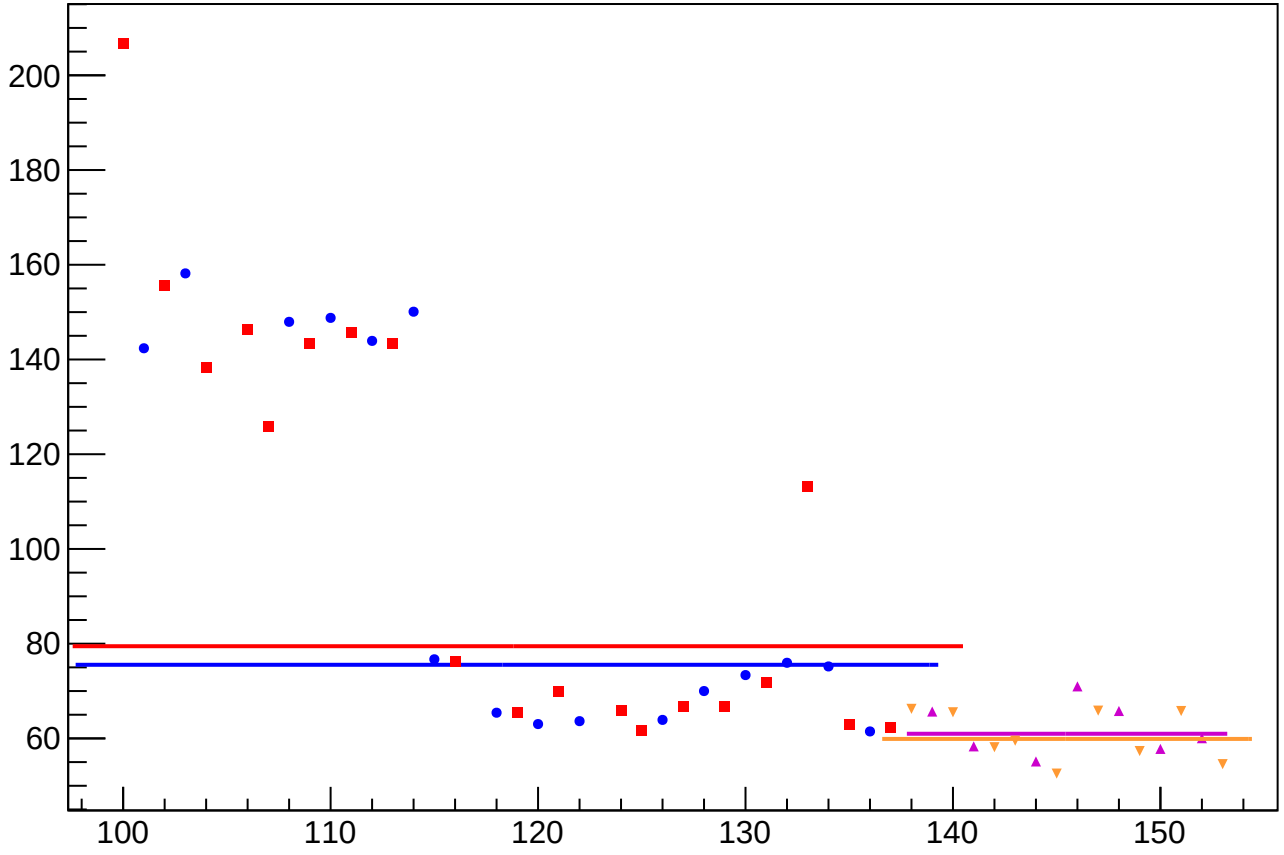
Left In: -64.295+/-24.982 χ^2/NDF:7.4/6

+ sign 63.772+/-18.182 χ^2/NDF: 25.8/24

All: 8.132+/-13.302 χ^2/NDF: 76.9/50

- sign -55.953+/-19.513 χ^2/NDF: 31.0/25

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 59.893+/-0.016 χ^2/NDF:102265.0/8

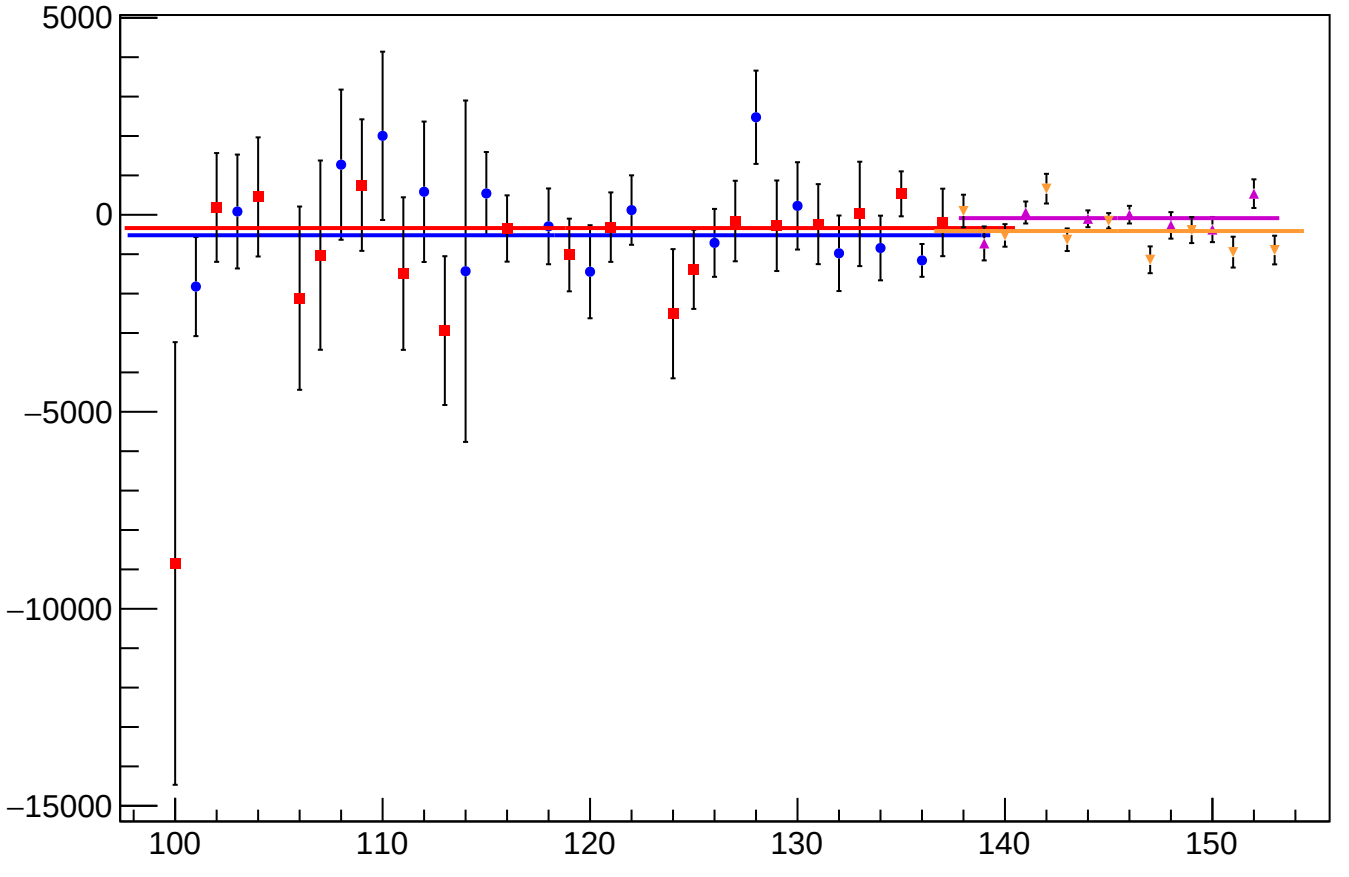
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 60.983+/-0.018 χ^2/NDF:79331.8/6

\+ sign 65.677+/-0.013 χ^2/NDF: 1913108.3/24

All: 66.845+/-0.009 χ^2/NDF: 4120678.1/50

\- sign 68.190+/-0.014 χ^2/NDF: 2189815.4/25



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -412.341+/-102.505 χ^2/NDF:20.4/8

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

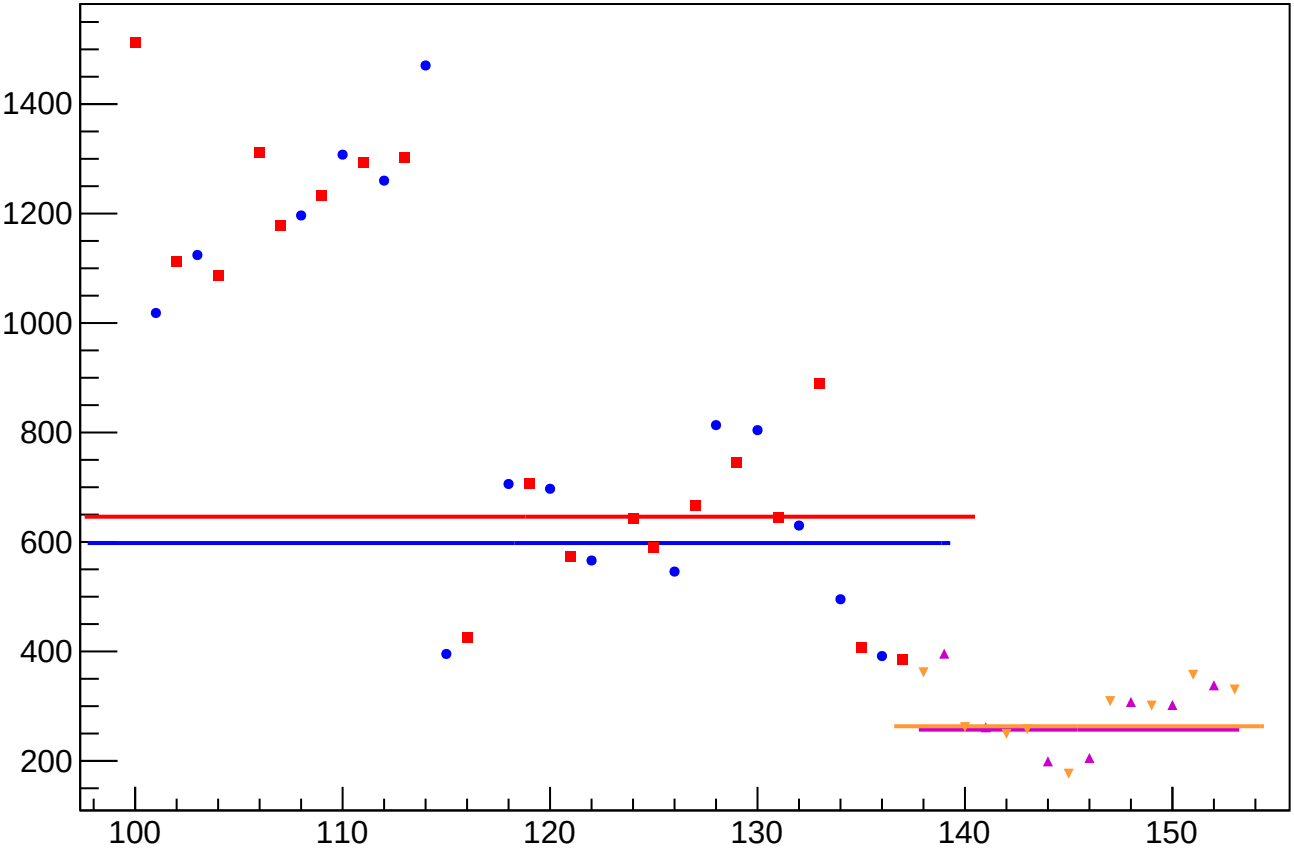
Left In: -84.876+/-107.629 χ^2/NDF:6.7/6

+ sign -428.682+/-94.346 χ^2/NDF: 36.4/24

All: -283.371+/-68.382 χ^2/NDF: 60.8/50

- sign -122.552+/-99.253 χ^2/NDF: 19.4/25

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 263.317+/-0.072 χ^2/NDF:752758.6/8

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

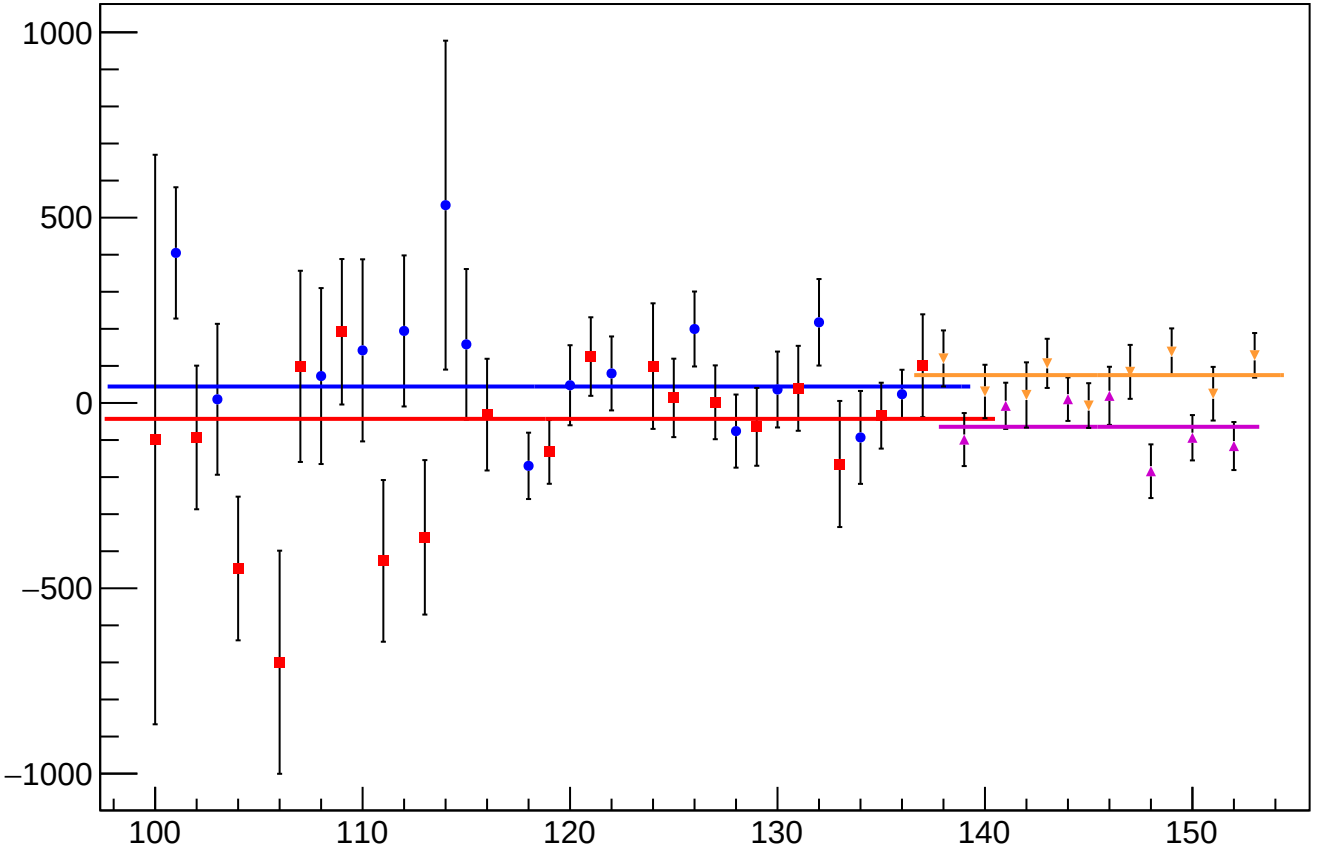
Left In: 257.134+/-0.076 χ^2/NDF:646350.7/6

+ sign 314.481+/-0.067 χ^2/NDF: 6060416.1/24

All: 314.886+/-0.048 χ^2/NDF: 12821667.7/50

- sign 315.334+/-0.070 χ^2/NDF: 6761174.1/25

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 75.134+/-22.899 χ^2/NDF:5.5/8

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

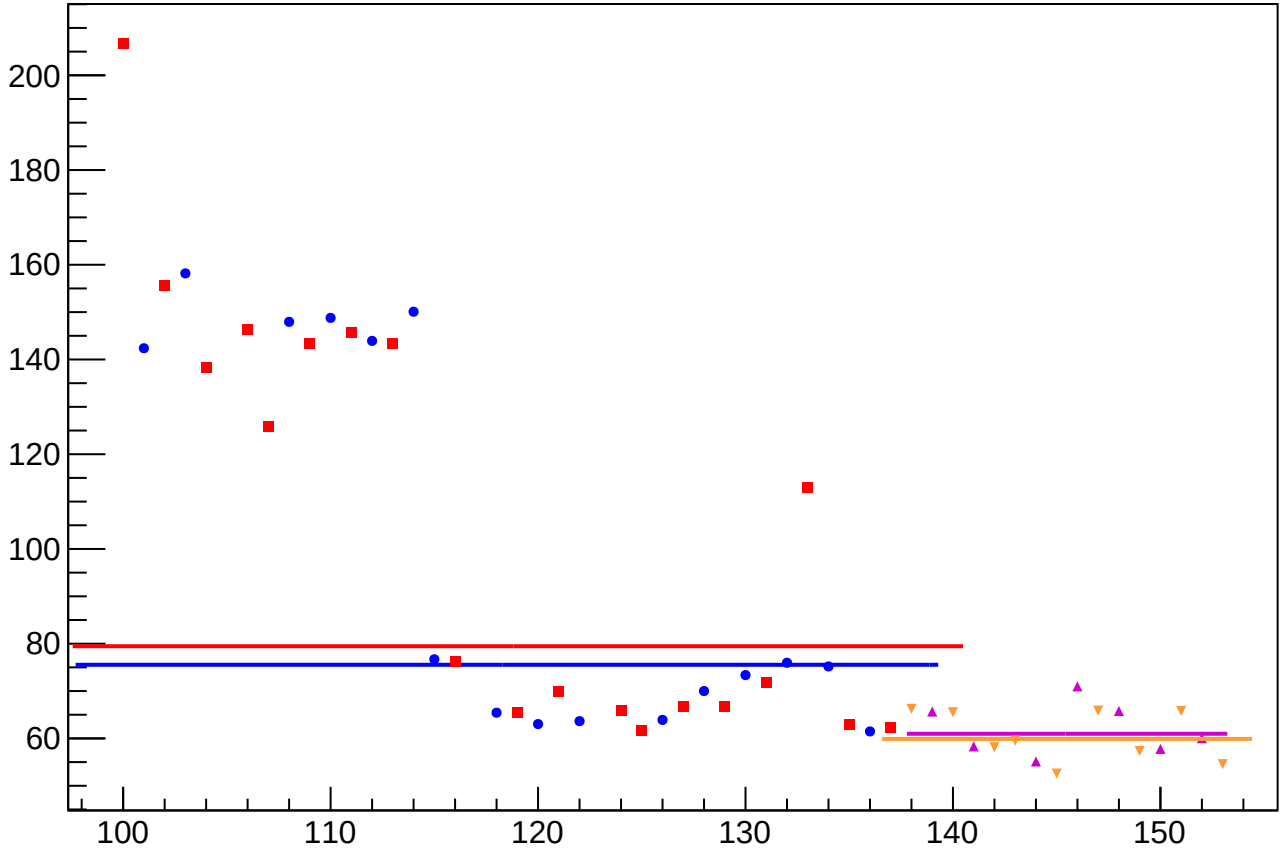
Left In: -64.295+/-24.982 χ^2/NDF:7.4/6

+ sign 63.772+/-18.182 χ^2/NDF: 25.8/24

All: 8.133+/-13.302 χ^2/NDF: 76.9/50

- sign -55.952+/-19.513 χ^2/NDF: 31.0/25

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 59.893+/-0.016 χ^2/NDF:102263.5/8

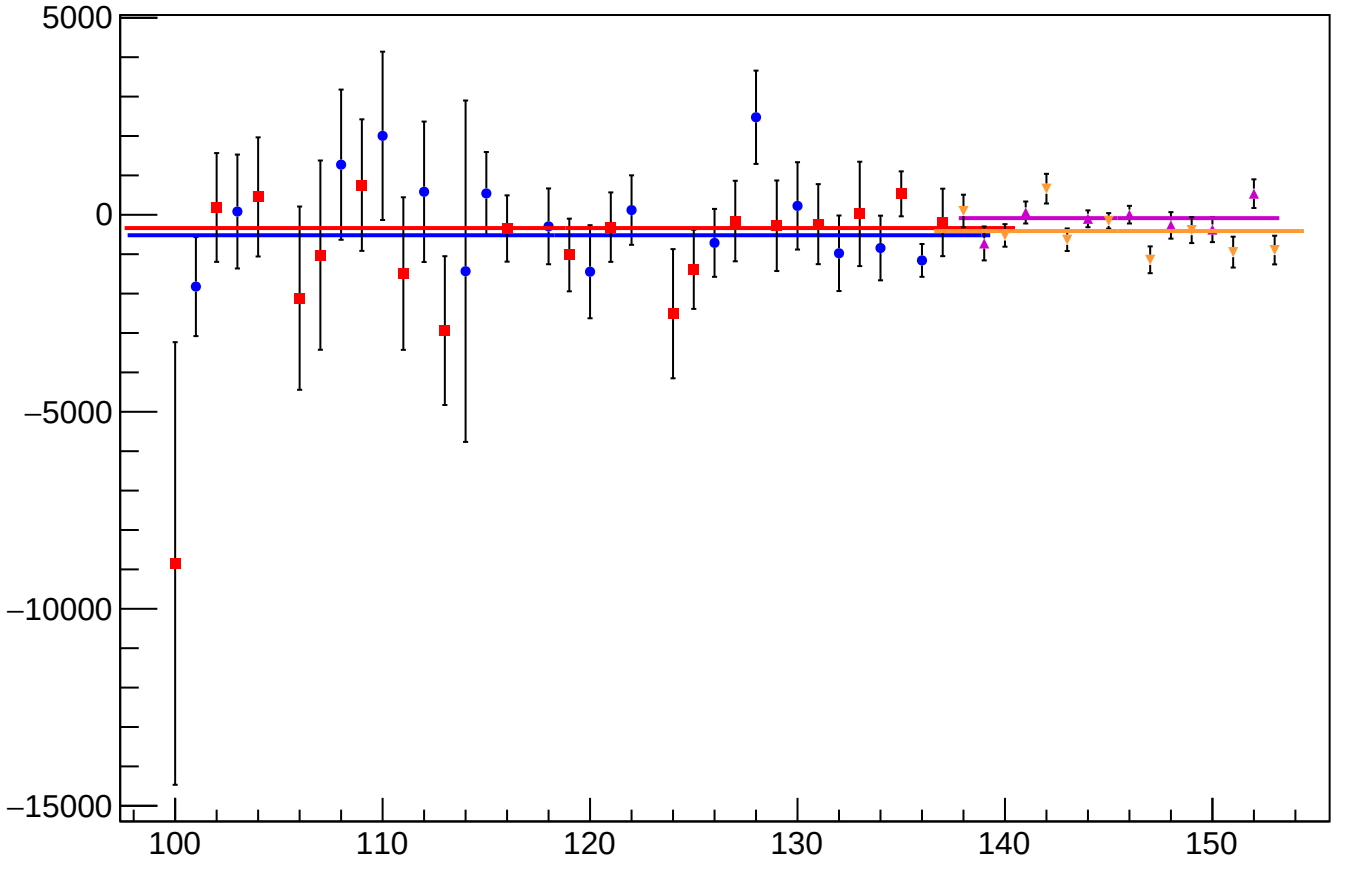
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 60.983+/-0.018 χ^2/NDF:79330.8/6

+ sign 65.677+/-0.013 χ^2/NDF: 1913069.9/24

All: 66.845+/-0.009 χ^2/NDF: 4120608.0/50

- sign 68.190+/-0.014 χ^2/NDF: 2189783.4/25



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -412.342+/-102.504 χ^2/NDF:20.4/8

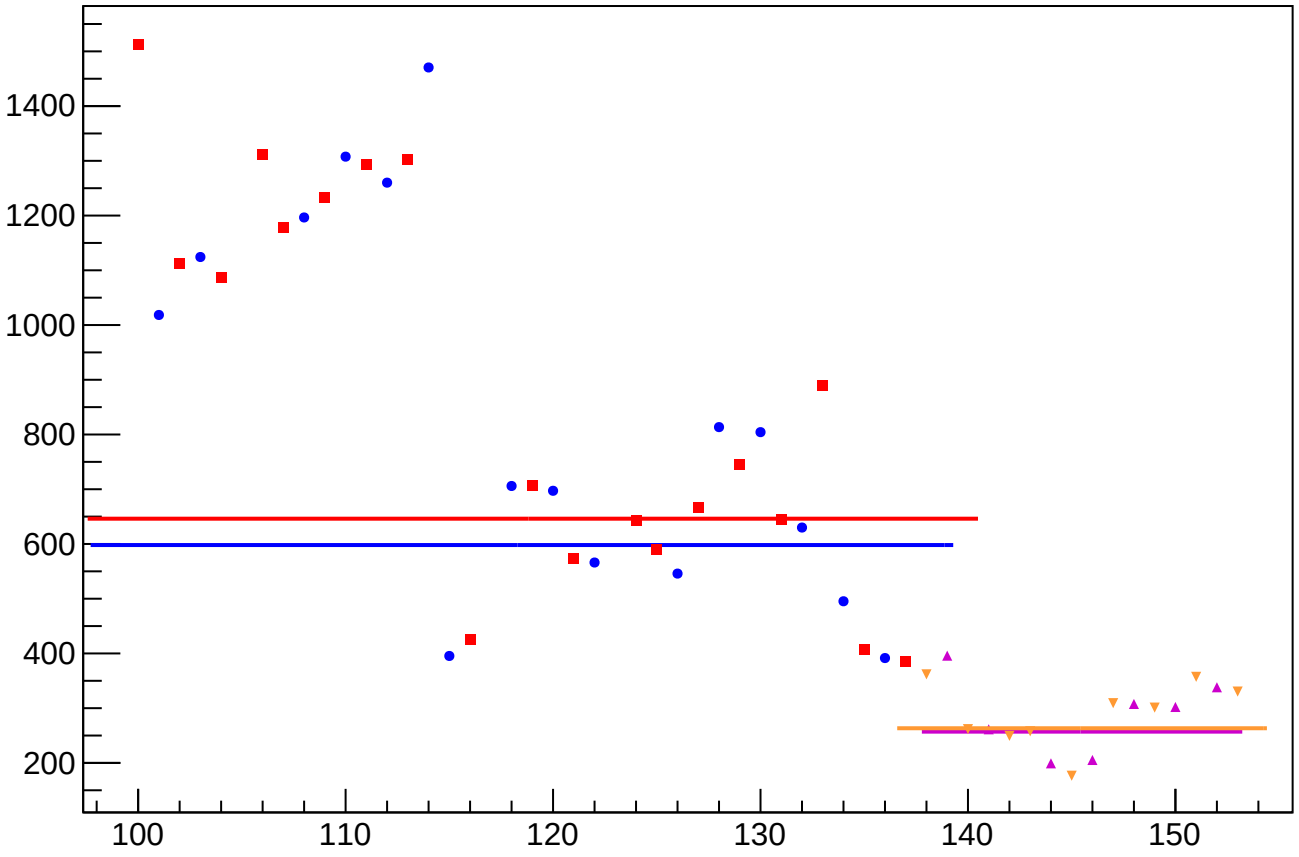
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -84.876+/-107.629 χ^2/NDF:6.7/6

\+ sign -428.682+/-94.346 χ^2/NDF: 36.4/24

All: -283.371+/-68.381 χ^2/NDF: 60.8/50

\- sign -122.552+/-99.253 χ^2/NDF: 19.4/25



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 263.317+/-0.072 χ^2/NDF:752762.3/8

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

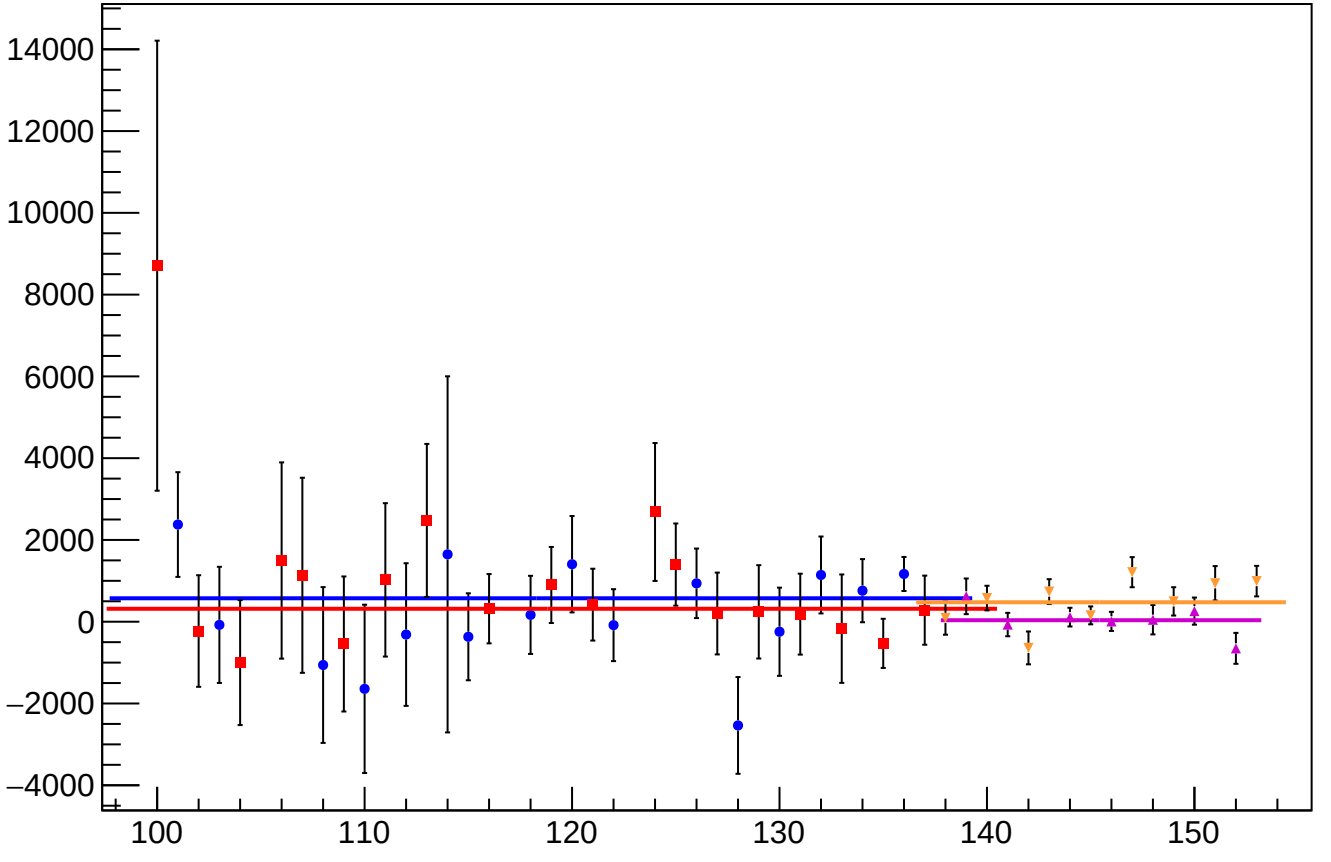
Left In: 257.133+/-0.076 χ^2/NDF:646346.4/6

+ sign 314.481+/-0.067 χ^2/NDF: 6060412.4/24

All: 314.885+/-0.048 χ^2/NDF: 12821650.6/50

- sign 315.333+/-0.070 χ^2/NDF: 6761160.6/25

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 475.714+/-109.526 χ^2/NDF:18.7/8

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

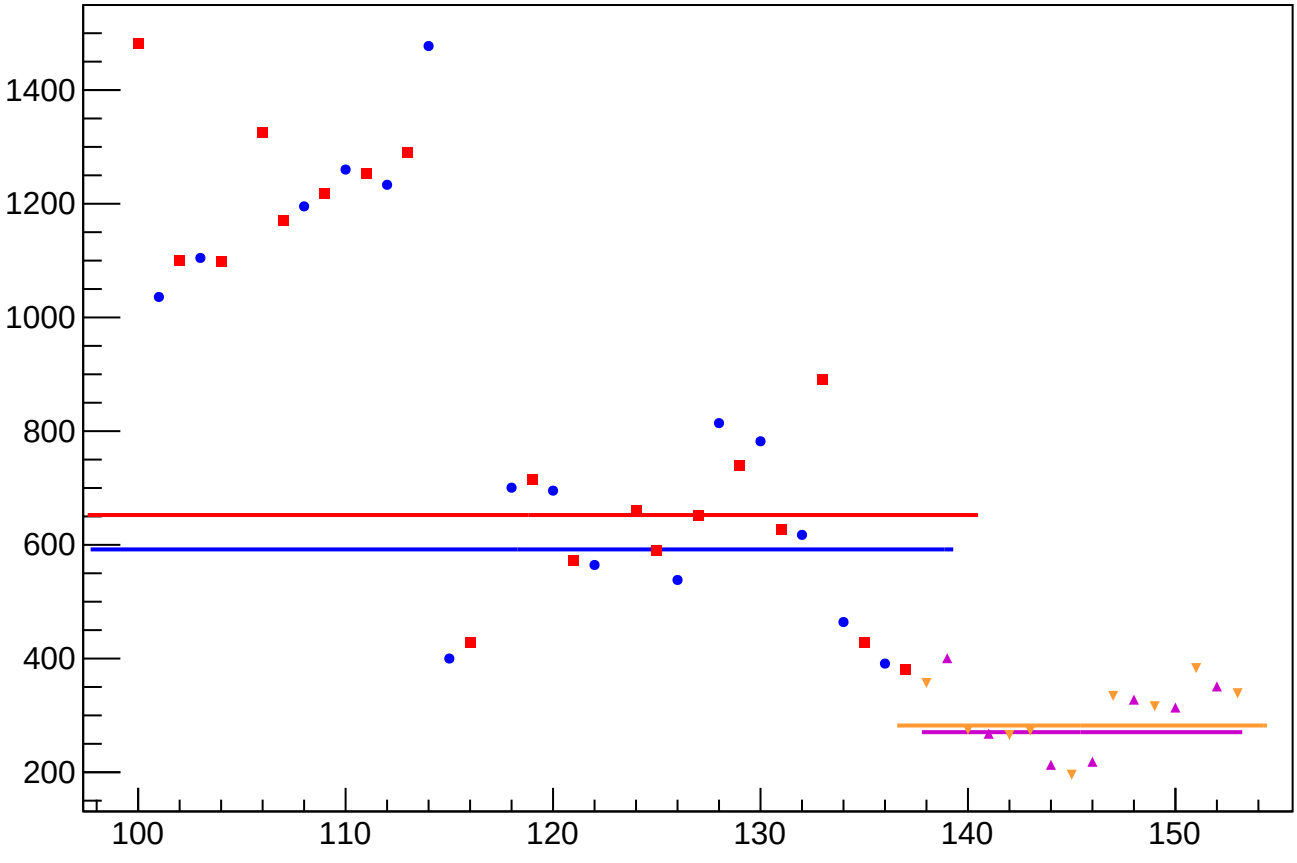
Left In: 36.619+/-112.662 χ^2/NDF:5.8/6

+ sign 492.673+/-99.563 χ^2/NDF: 35.4/24

All: 294.548+/-71.674 χ^2/NDF: 61.5/50

- sign 81.425+/-103.263 χ^2/NDF: 17.8/25

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 282.233+/-0.077 χ^2/NDF:605506.9/8

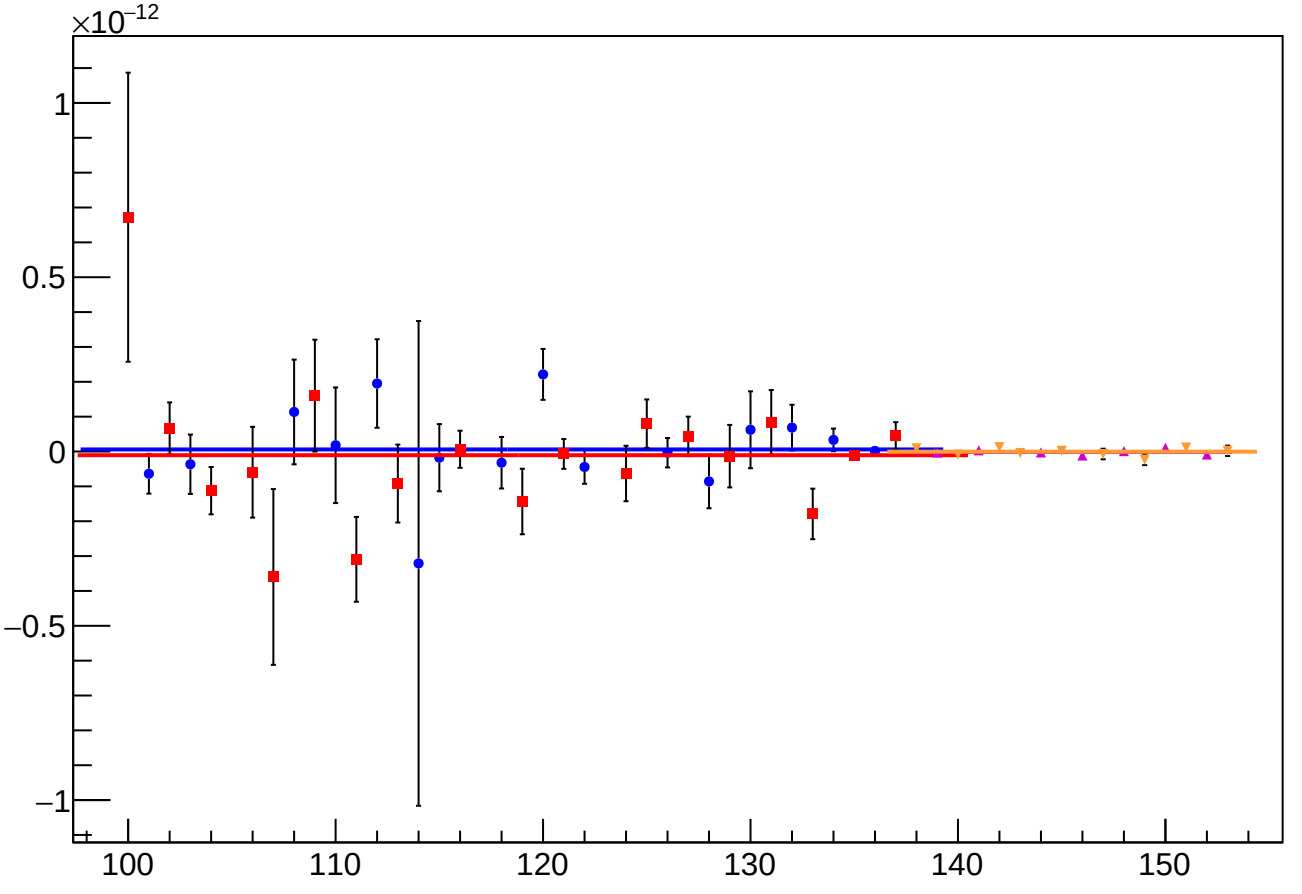
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 270.512+/-0.080 χ^2/NDF:579326.5/6

+ sign 336.021+/-0.070 χ^2/NDF: 5418870.5/24

All: 333.884+/-0.051 χ^2/NDF: 11765658.1/50

- sign 331.586+/-0.073 χ^2/NDF: 6344875.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/8

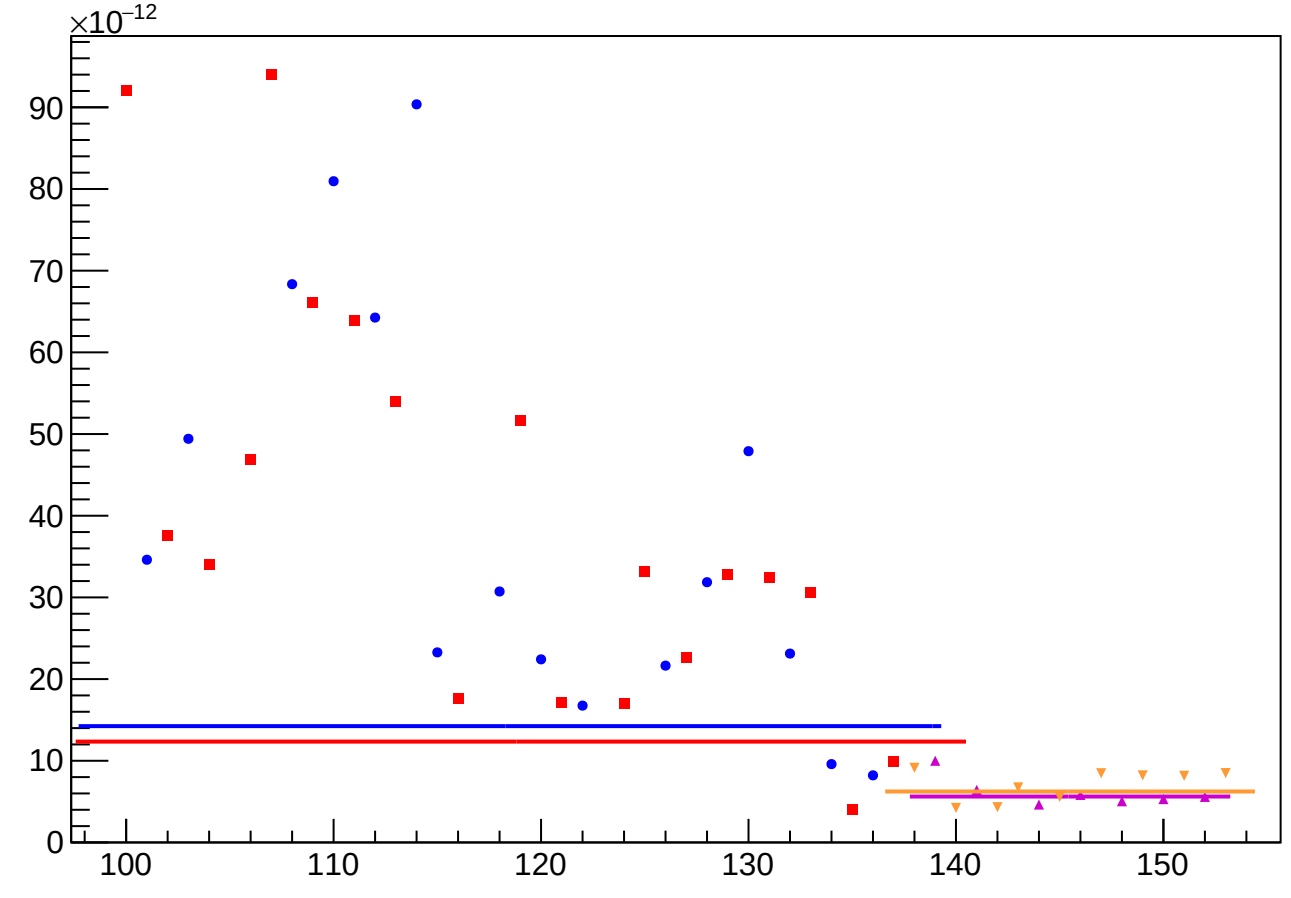
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/24

All: -0.000+/-0.000 χ^2/NDF: 58.7/50

- sign -0.000+/-0.000 χ^2/NDF: 33.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:454139.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

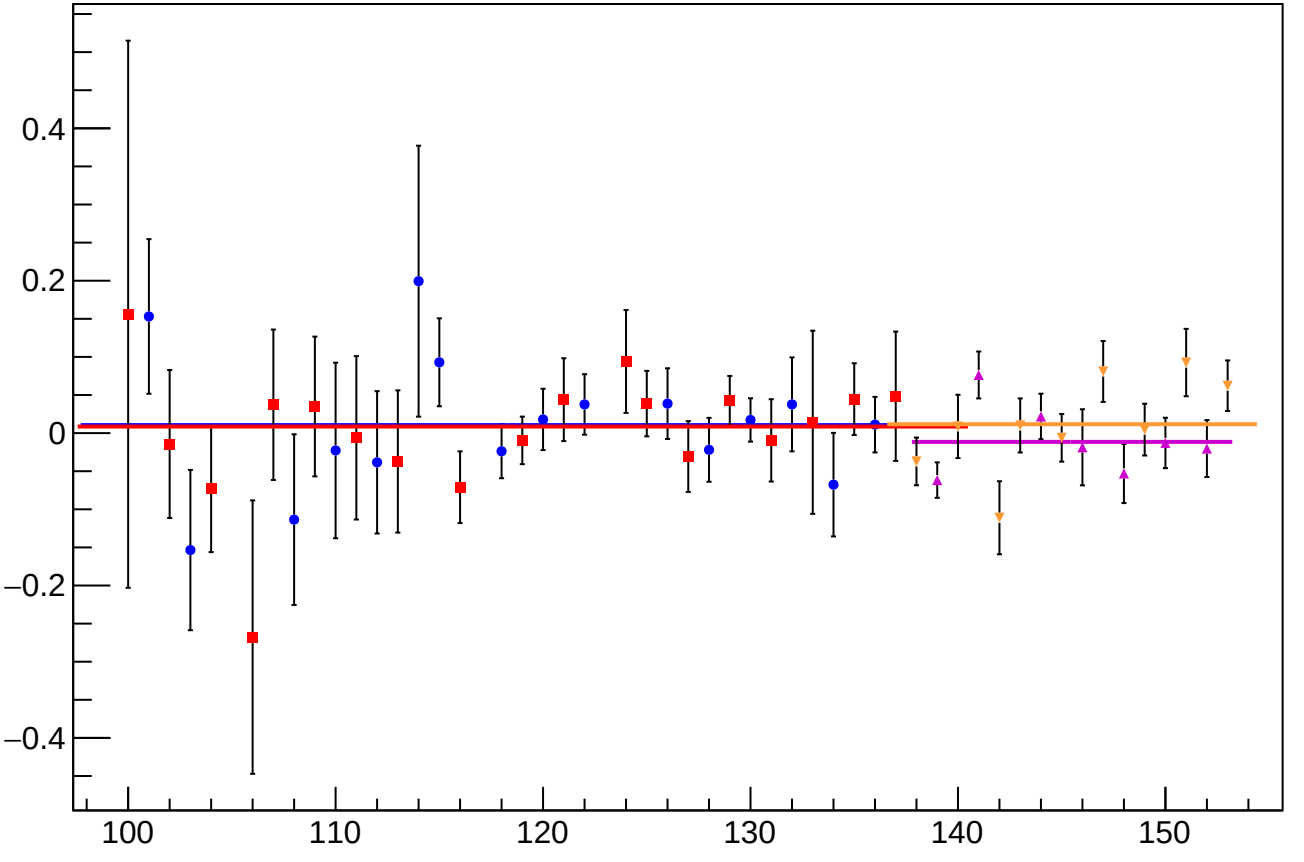
Left In: 0.000+/-0.000 χ^2/NDF:240091.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 3969772.2/24

All: 0.000+/-0.000 χ^2/NDF: 8453163.5/50

- sign 0.000+/-0.000 χ^2/NDF: 4435076.5/25

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/8

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

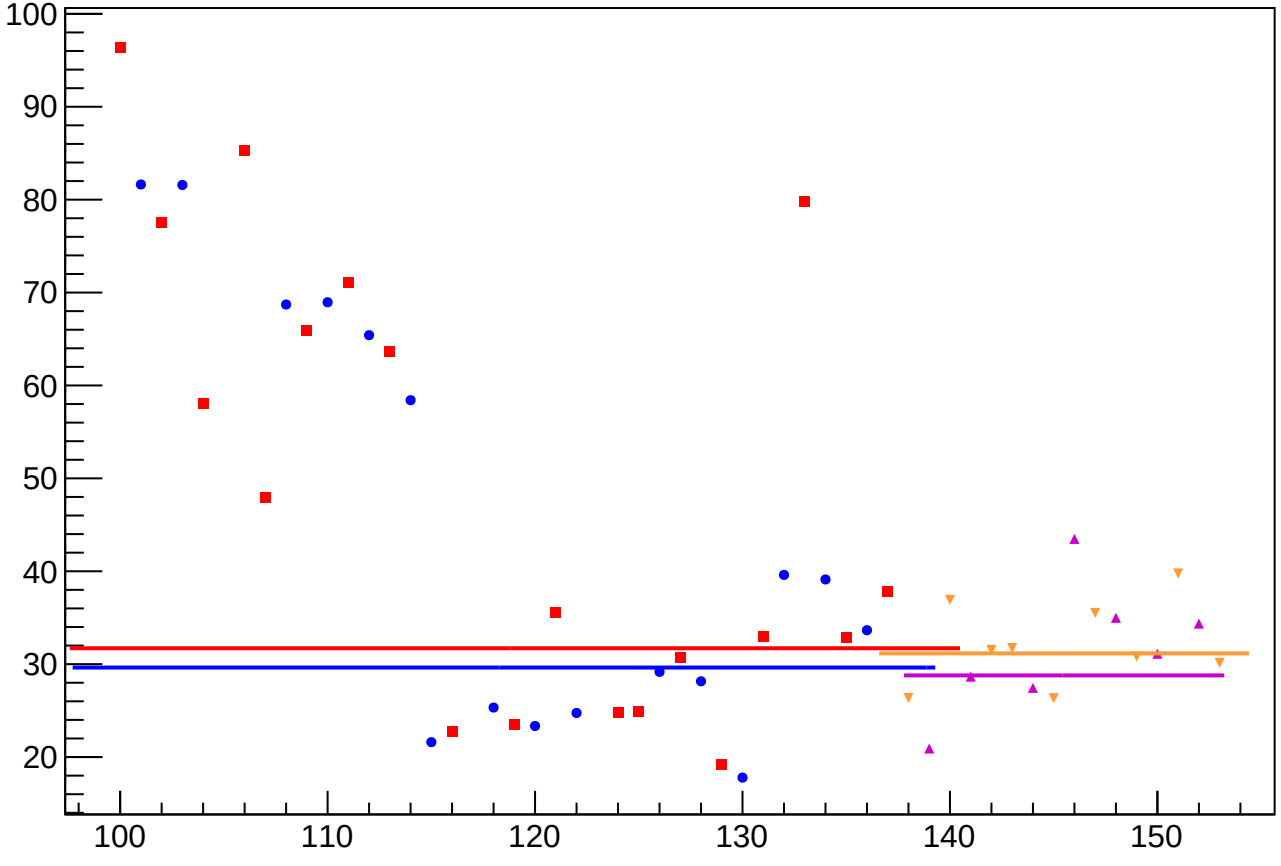
Left In: -0.012+/-0.012 χ^2/NDF:15.2/6

+ sign 0.011+/-0.009 χ^2/NDF: 31.2/24

All: 0.005+/-0.006 χ^2/NDF: 61.3/50

- sign -0.002+/-0.009 χ^2/NDF: 28.9/25

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.161+/-0.009 χ^2/NDF:235530.4/8

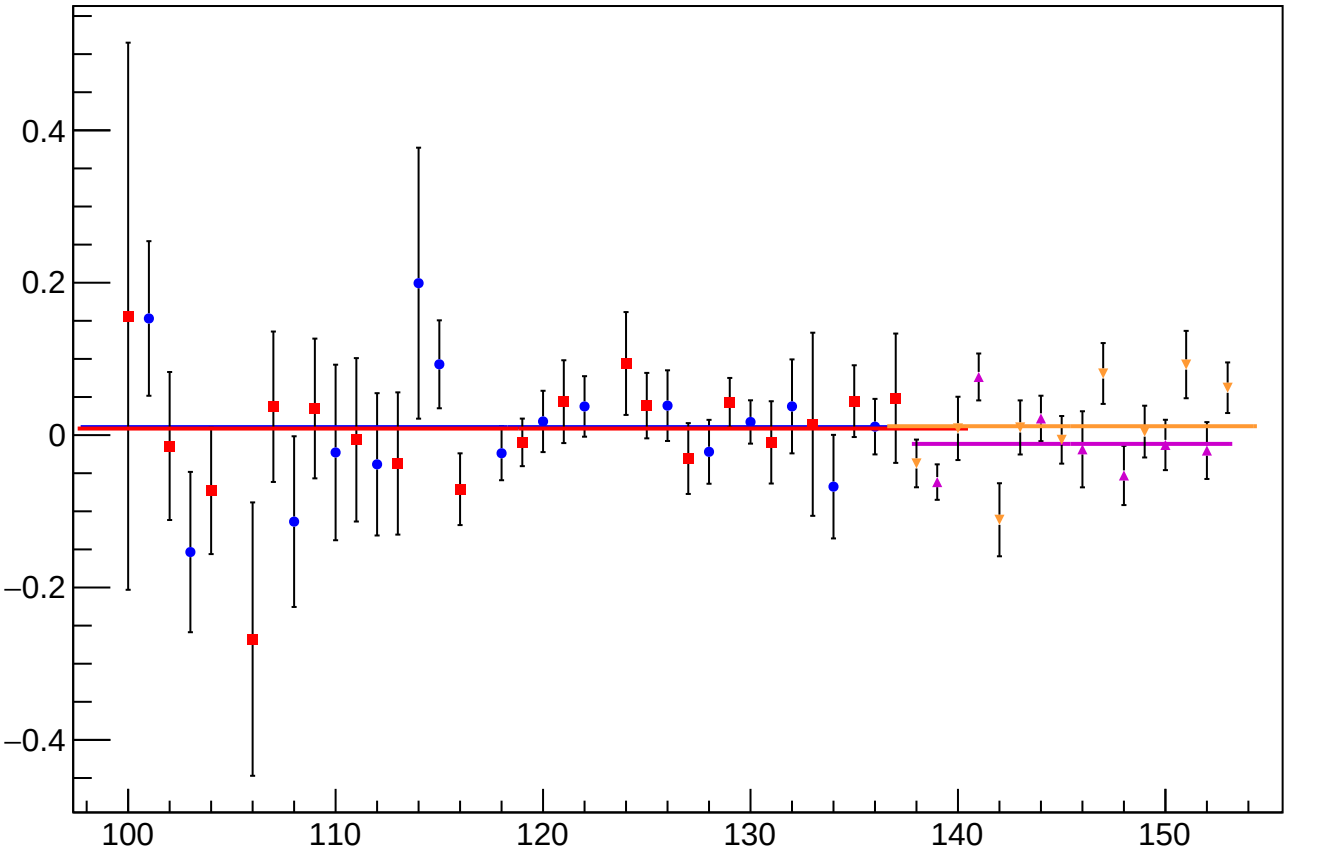
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.788+/-0.009 χ^2/NDF:511122.6/6

+ sign 30.423+/-0.006 χ^2/NDF: 2699260.1/24

All: 30.280+/-0.004 χ^2/NDF: 5915709.9/50

- sign 30.130+/-0.006 χ^2/NDF: 3215359.2/25



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/8

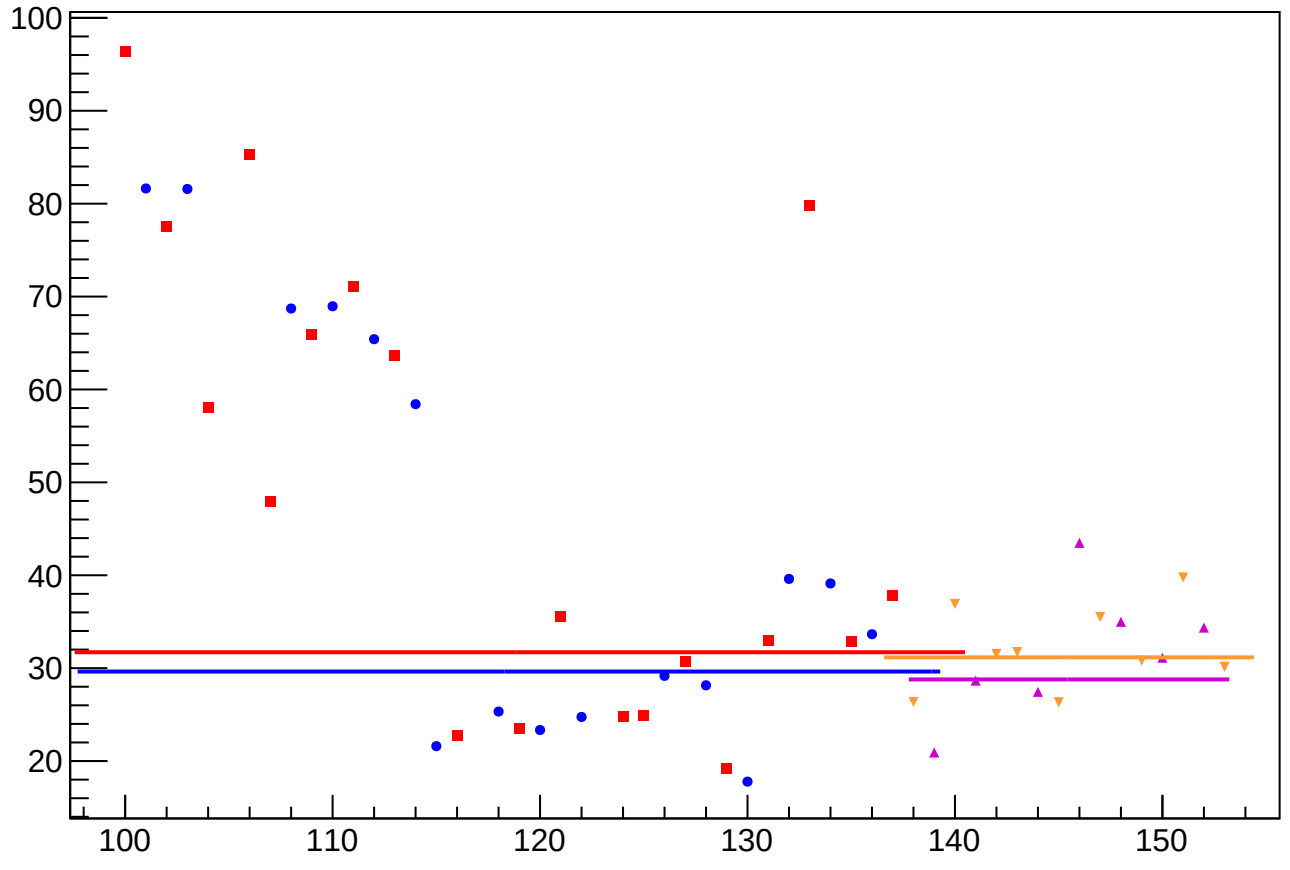
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.012+/-0.012 χ^2/NDF:15.2/6

+ sign 0.011+/-0.009 χ^2/NDF: 31.2/24

All: 0.005+/-0.006 χ^2/NDF: 61.3/50

- sign -0.002+/-0.009 χ^2/NDF: 28.9/25



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.161+/-0.009 χ^2/NDF:235530.4/8

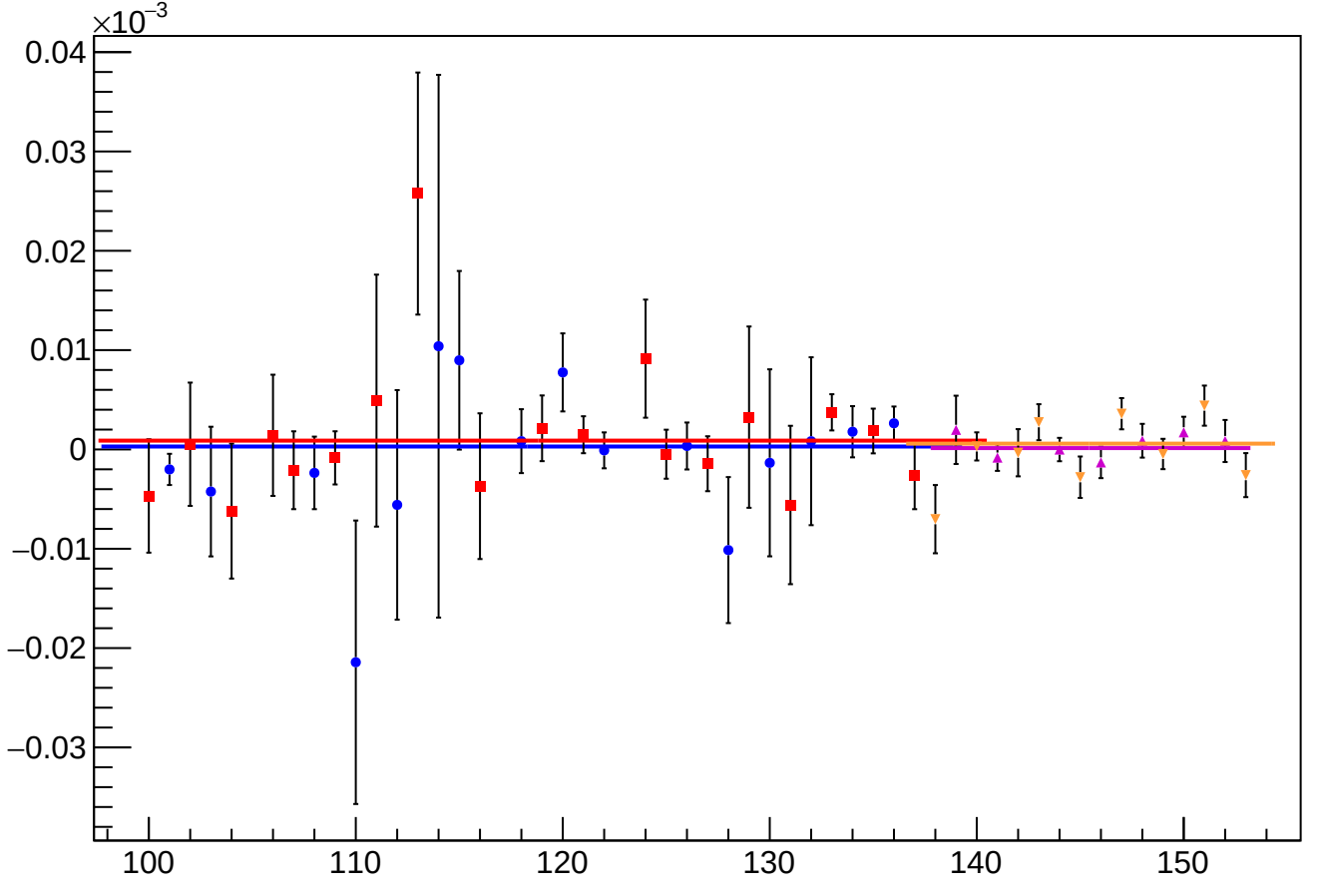
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.788+/-0.009 χ^2/NDF:511122.6/6

+ sign 30.423+/-0.006 χ^2/NDF: 2699260.1/24

All: 30.280+/-0.004 χ^2/NDF: 5915709.9/50

- sign 30.130+/-0.006 χ^2/NDF: 3215359.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/8

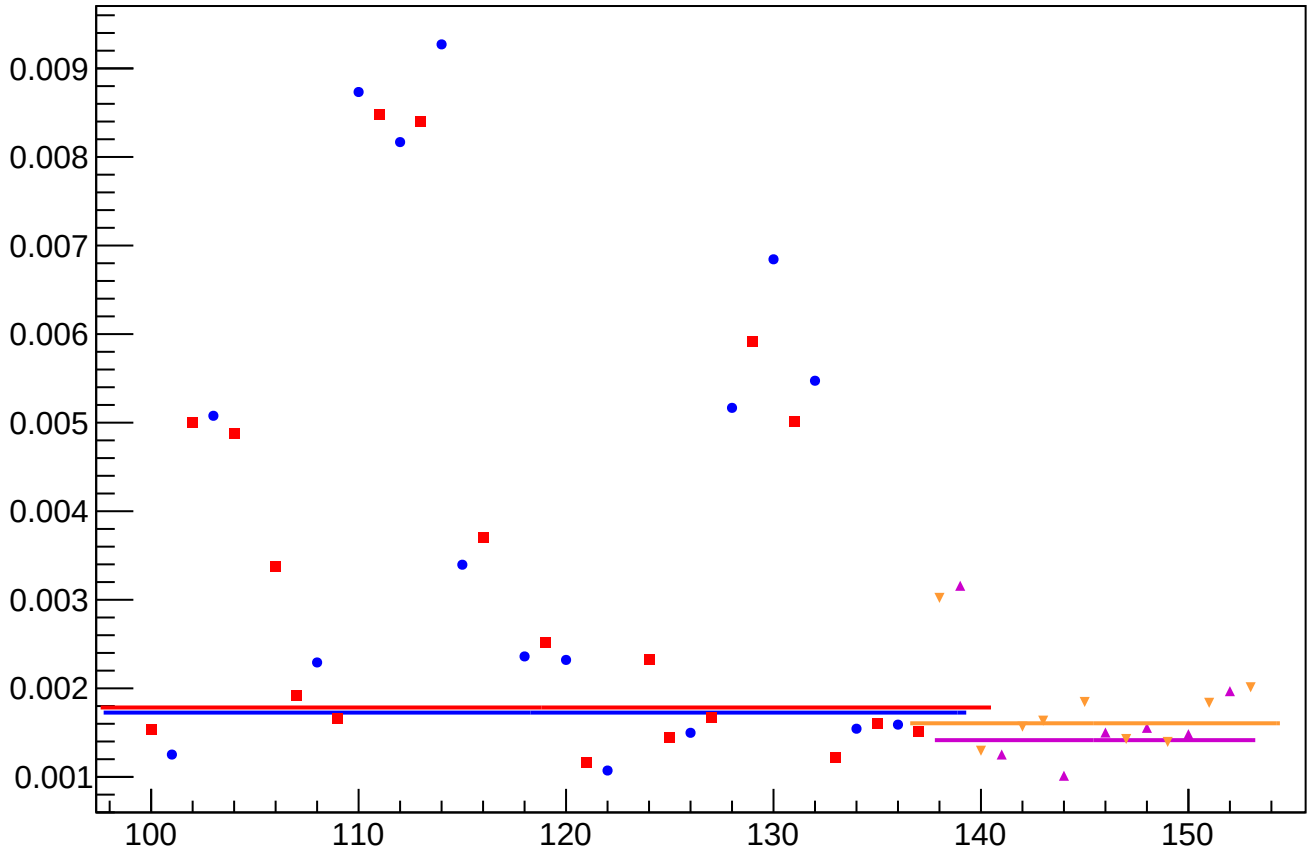
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 33.8/24

All: 0.000+/-0.000 χ^2/NDF: 52.7/50

- sign 0.000+/-0.000 χ^2/NDF: 18.9/25



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:620451.3/8

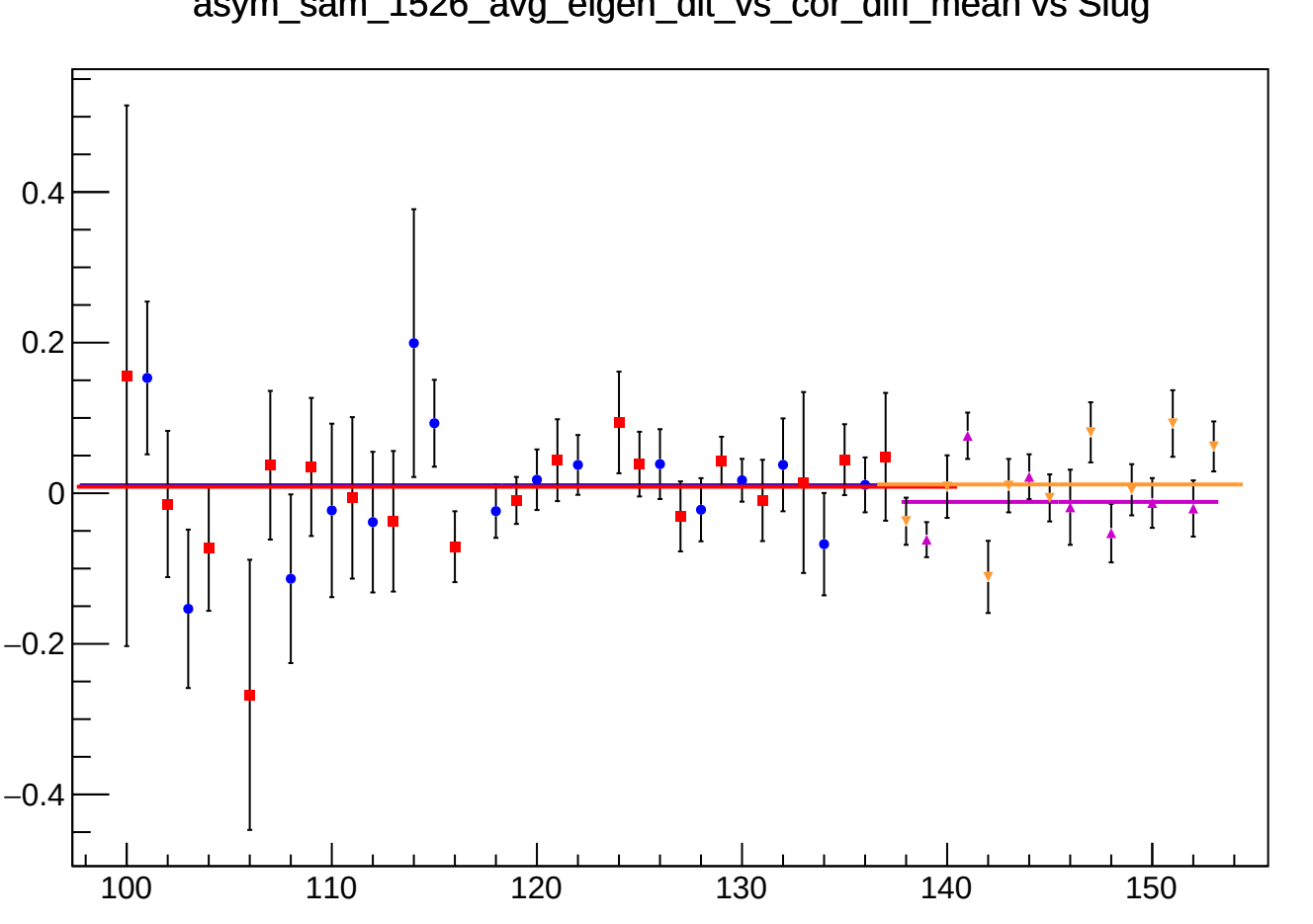
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:936389.2/6

+ sign 0.002+/-0.000 χ^2/NDF: 4582778.9/24

All: 0.002+/-0.000 χ^2/NDF: 9562575.2/50

- sign 0.002+/-0.000 χ^2/NDF: 4936493.6/25



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/8

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

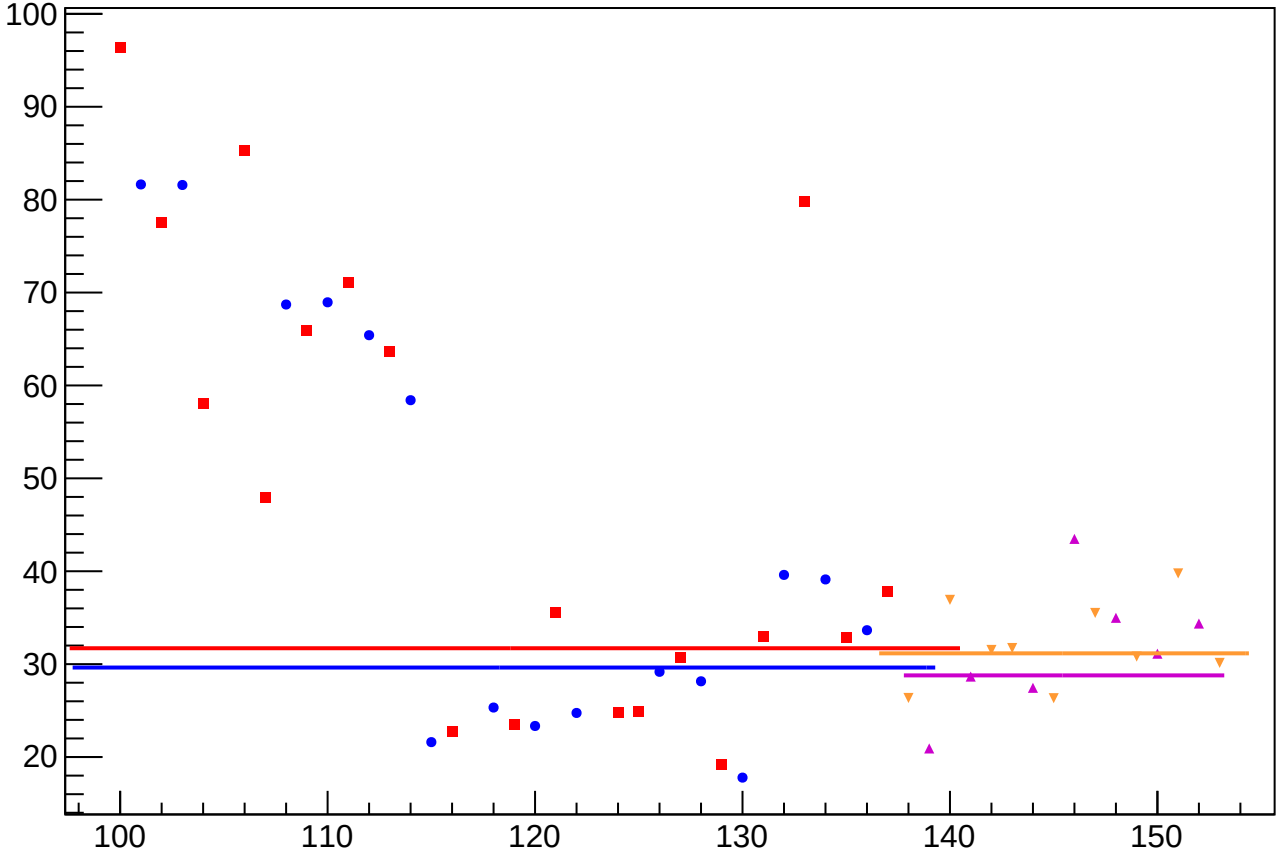
Left In: -0.012+/-0.012 χ^2/NDF:15.2/6

+ sign 0.011+/-0.009 χ^2/NDF: 31.2/24

All: 0.005+/-0.006 χ^2/NDF: 61.3/50

- sign -0.002+/-0.009 χ^2/NDF: 28.9/25

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.162+/-0.009 χ^2/NDF:235533.4/8

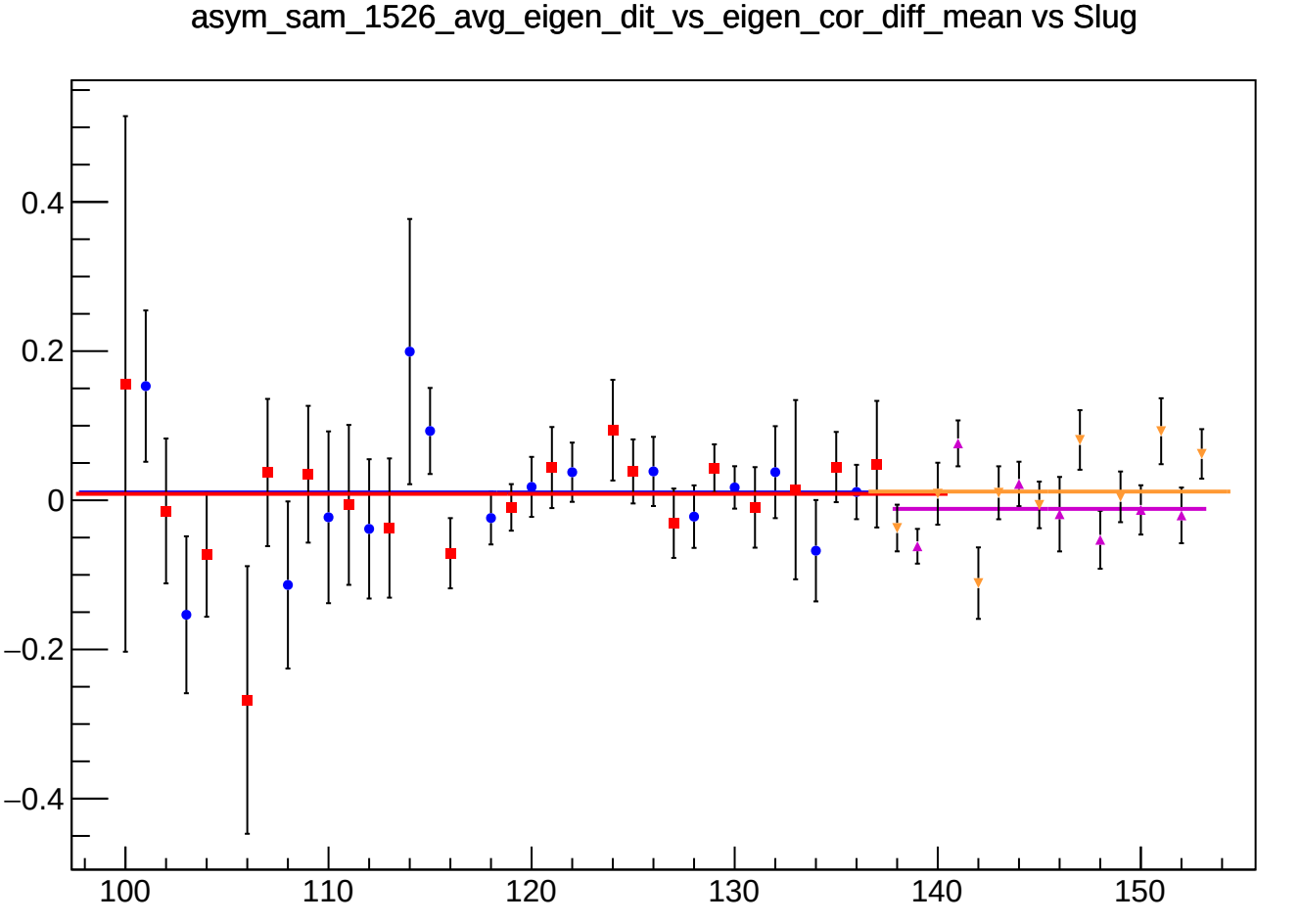
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

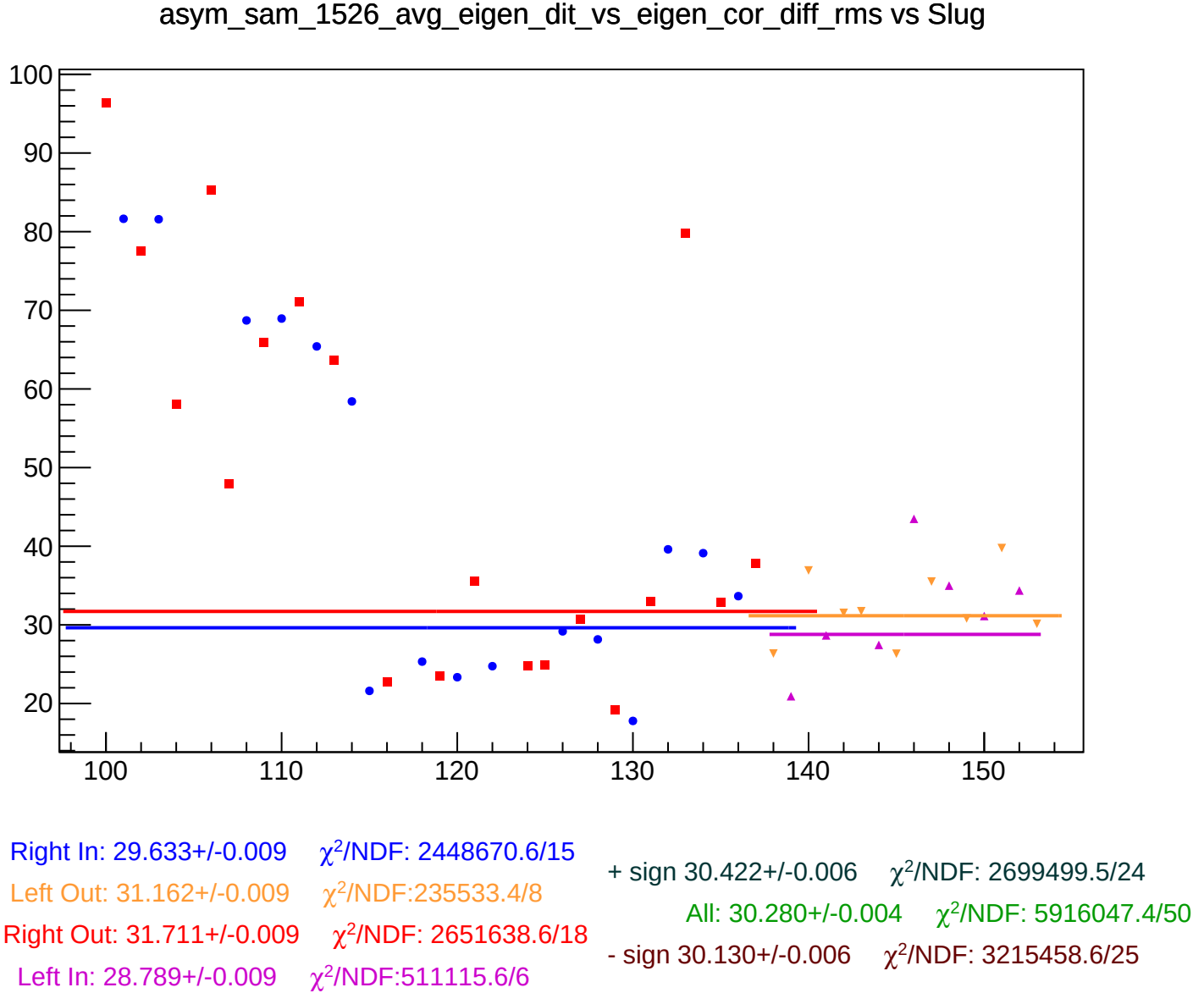
Left In: 28.789+/-0.009 χ^2/NDF:511115.6/6

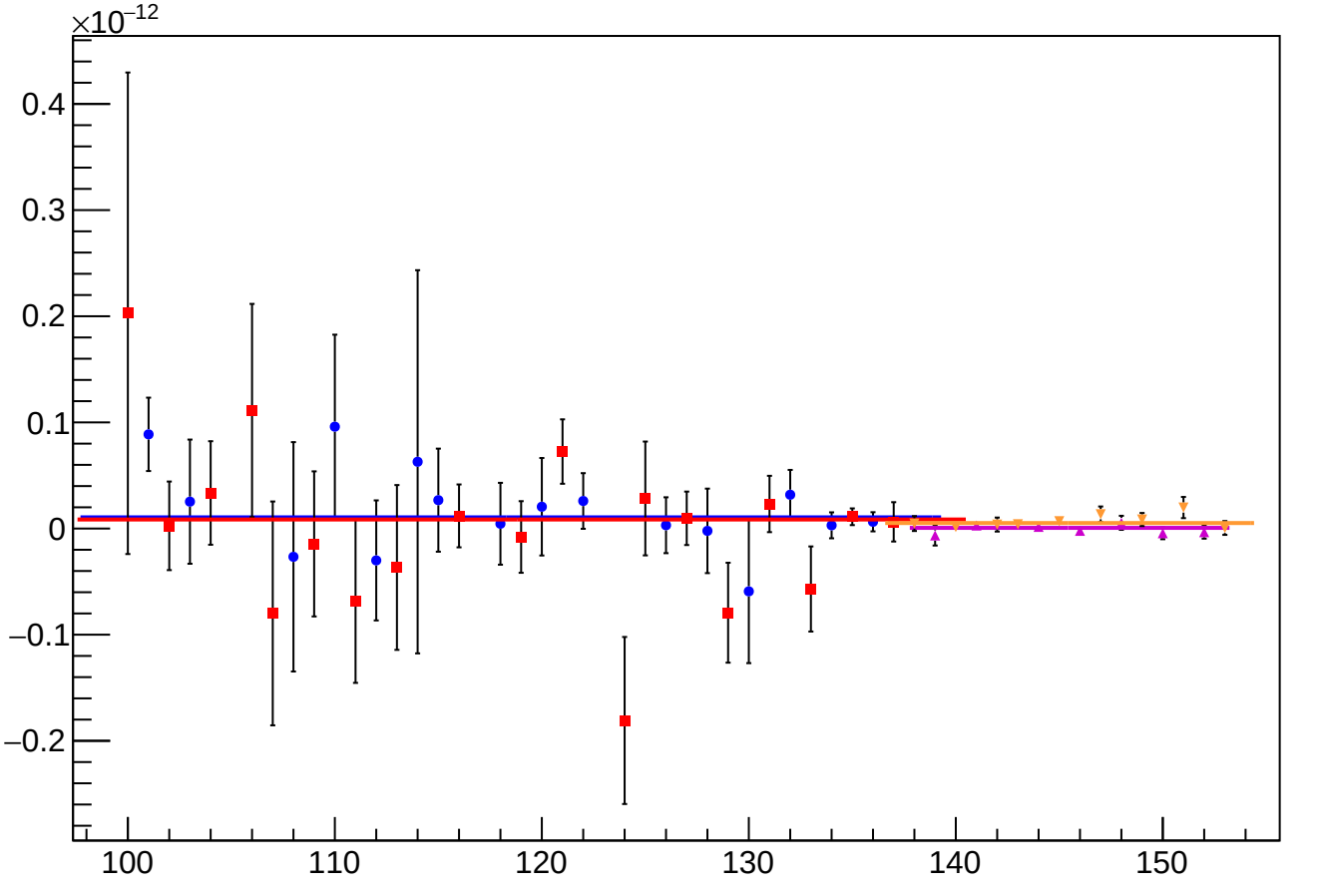
+ sign 30.422+/-0.006 χ^2/NDF: 2699499.5/24

All: 30.280+/-0.004 χ^2/NDF: 5916047.4/50

- sign 30.130+/-0.006 χ^2/NDF: 3215458.6/25


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: 0.012+/-0.012 χ²/NDF:18.0/8
Right Out: 0.009+/-0.013 χ²/NDF: 12.4/18
Left In: -0.012+/-0.012 χ²/NDF:15.2/6
+ sign 0.011+/-0.009 χ²/NDF: 31.2/24
All: 0.005+/-0.006 χ²/NDF: 61.3/50
- sign -0.002+/-0.009 χ²/NDF: 28.9/25


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 31.162+/-0.009 χ²/NDF:235533.4/8
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 28.789+/-0.009 χ²/NDF:511115.6/6
+ sign 30.422+/-0.006 χ²/NDF: 2699499.5/24
All: 30.280+/-0.004 χ²/NDF: 5916047.4/50
- sign 30.130+/-0.006 χ²/NDF: 3215458.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.5/8

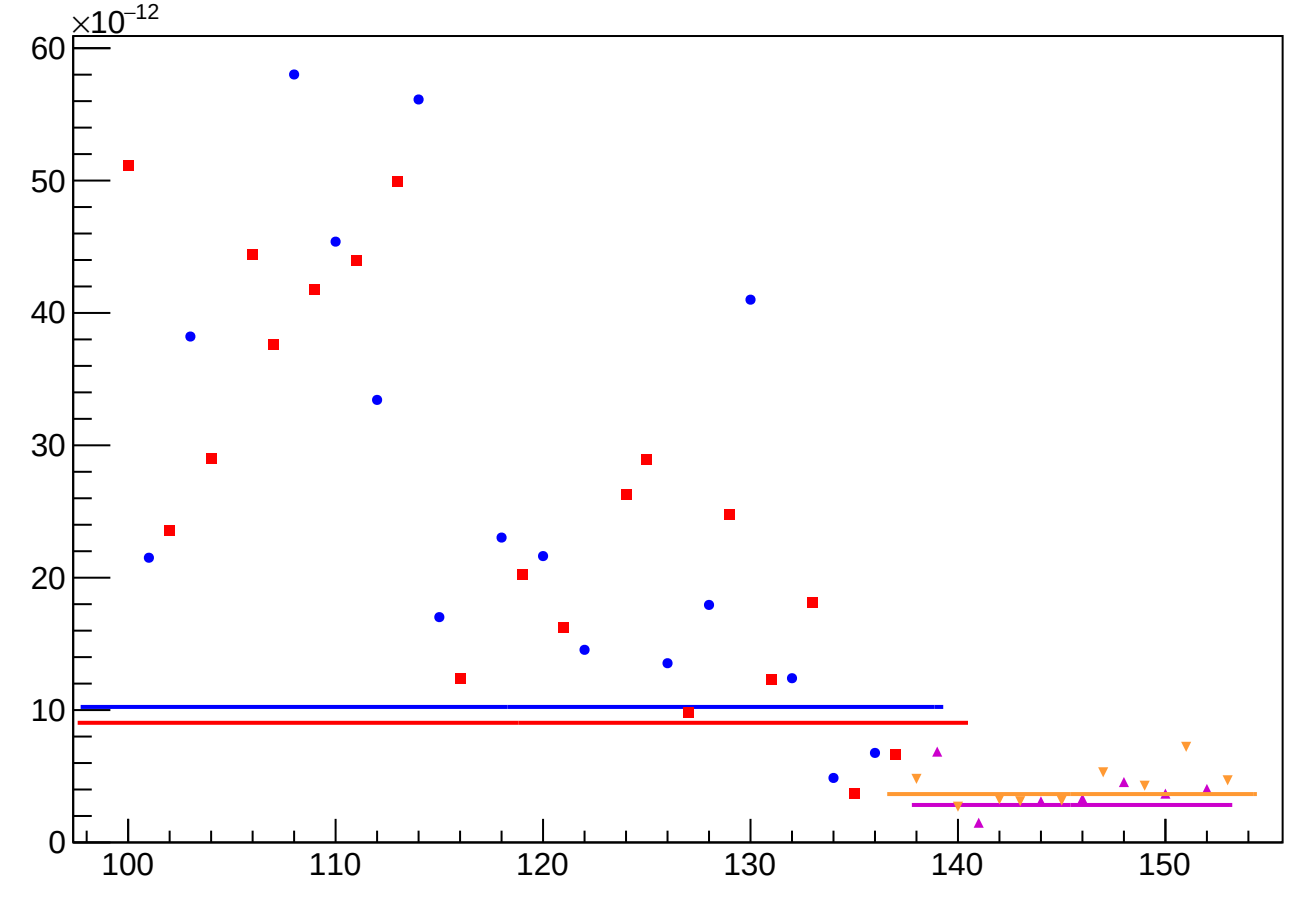
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 16.3/24

All: 0.000+/-0.000 χ^2/NDF: 46.2/50

- sign 0.000+/-0.000 χ^2/NDF: 26.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:674391.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

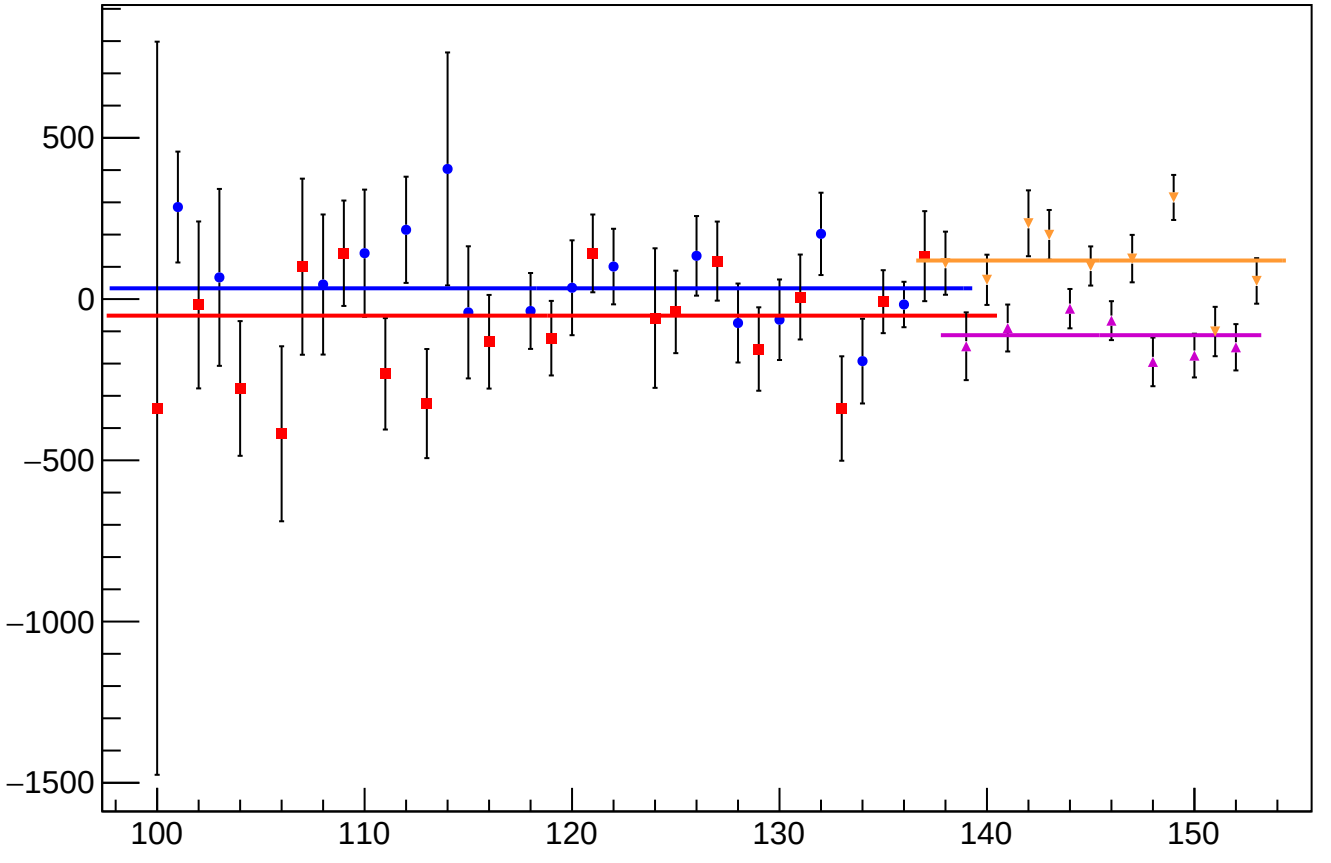
Left In: 0.000+/-0.000 χ^2/NDF:1150174.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 6389739.6/24

All: 0.000+/-0.000 χ^2/NDF: 14364920.1/50

- sign 0.000+/-0.000 χ^2/NDF: 7690970.0/25

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 119.602+/-25.274 χ^2/NDF:19.9/8

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

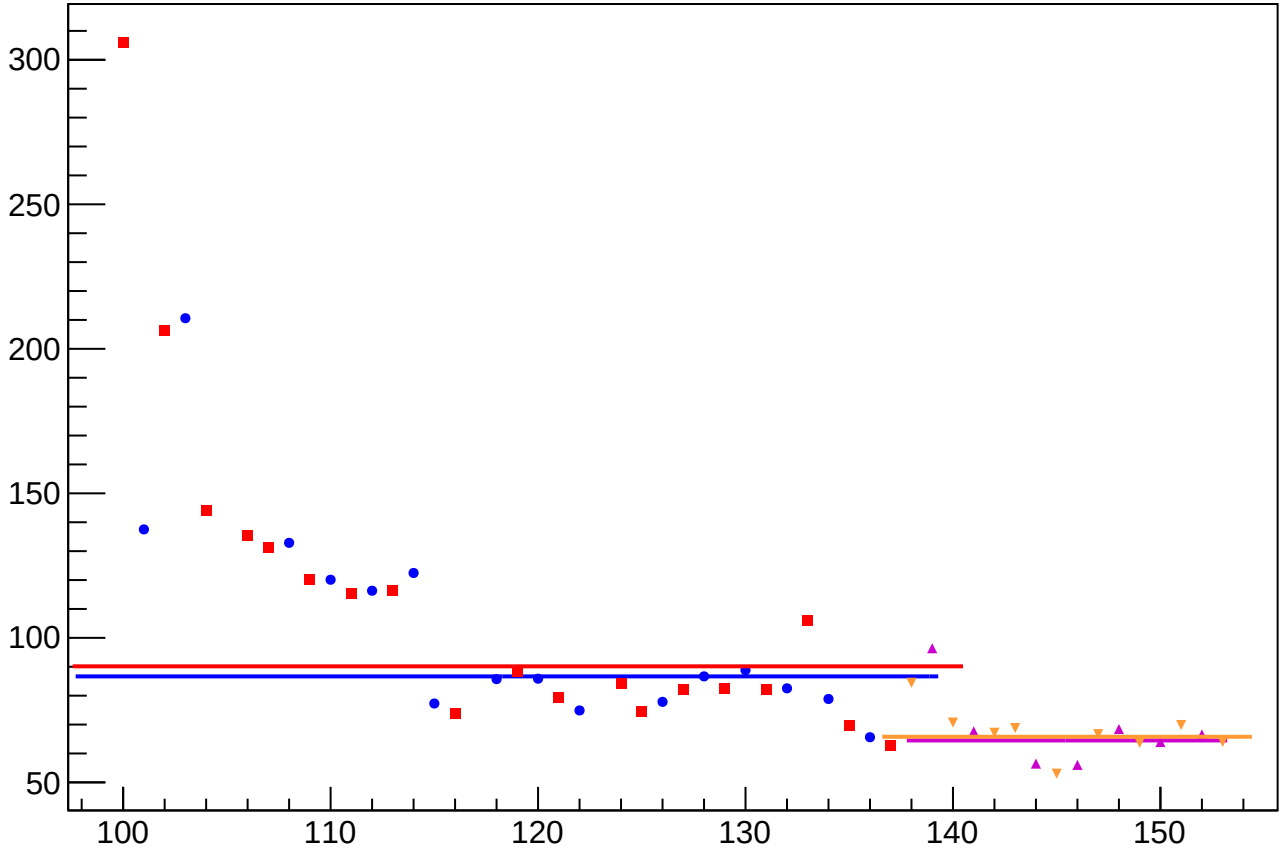
Left In: -111.948+/-26.634 χ^2/NDF:4.9/6

+ sign 88.794+/-20.258 χ^2/NDF: 36.9/24

All: 3.488+/-14.634 χ^2/NDF: 100.4/50

- sign -89.600+/-21.162 χ^2/NDF: 26.4/25

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.782+/-0.018 χ^2/NDF:181645.2/8

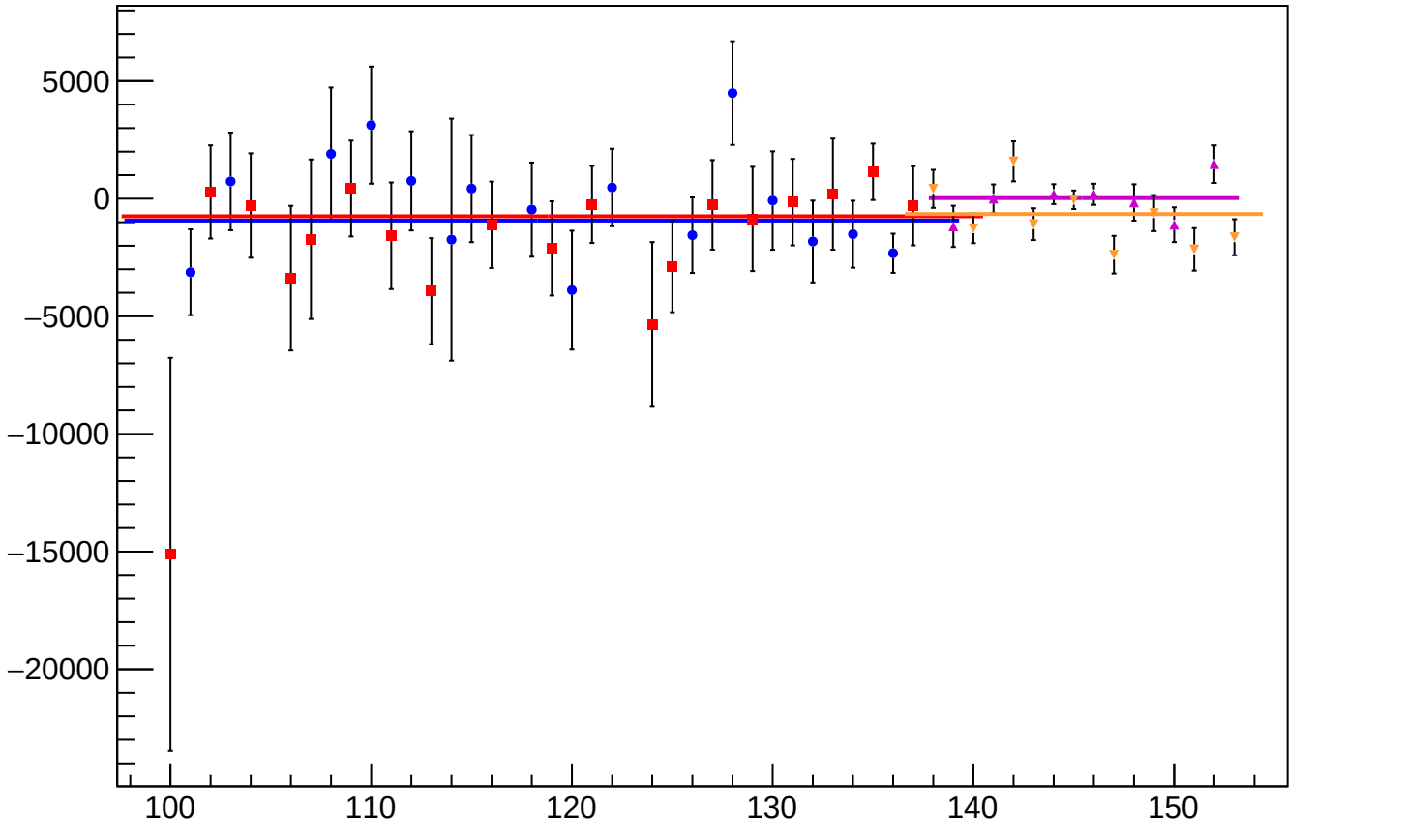
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.503+/-0.019 χ^2/NDF:269187.2/6

+ sign 73.249+/-0.014 χ^2/NDF: 1708676.6/24

All: 73.589+/-0.010 χ^2/NDF: 3812912.5/50

- sign 73.961+/-0.015 χ^2/NDF: 2103054.4/25



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -653.143+/-222.330 χ^2/NDF:21.5/8

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

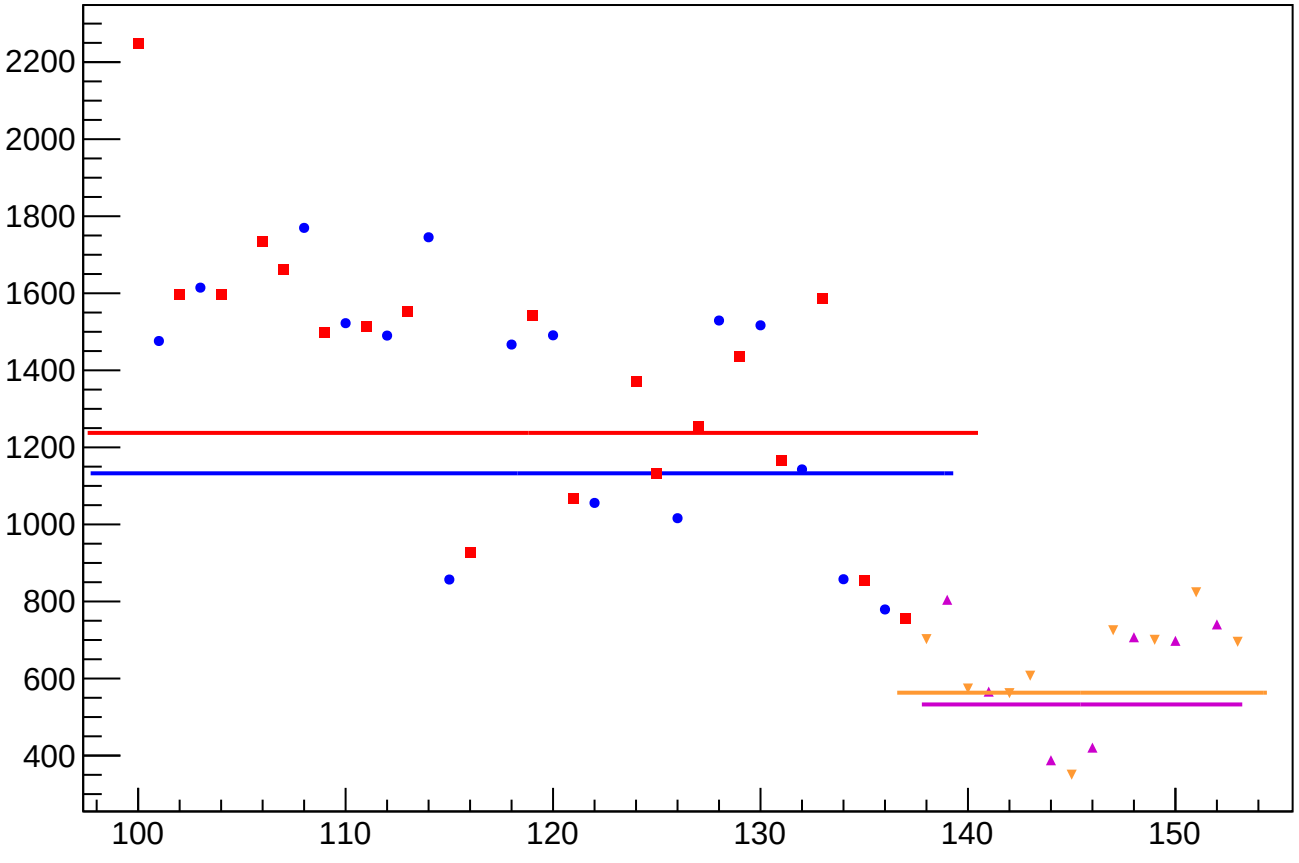
Left In: 24.929+/-225.498 χ^2/NDF:7.9/6

+ sign -709.236+/-198.518 χ^2/NDF: 40.4/24

All: -421.691+/-141.979 χ^2/NDF: 67.7/50

- sign -120.604+/-203.138 χ^2/NDF: 23.1/25

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 563.232+/-0.157 χ^2/NDF:1021441.2/8

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

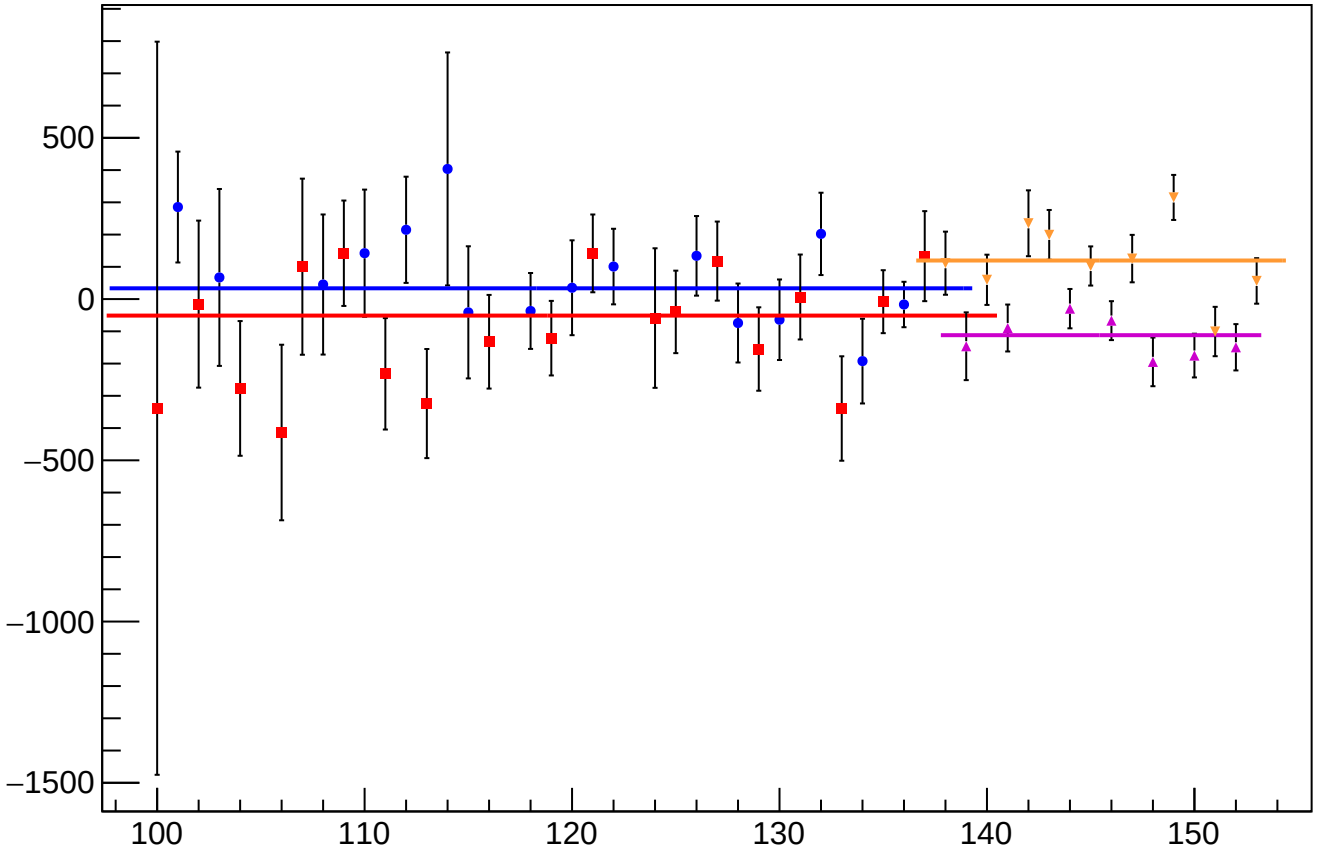
Left In: 532.709+/-0.159 χ^2/NDF:895384.4/6

+ sign 678.682+/-0.140 χ^2/NDF: 4805612.3/24

All: 672.276+/-0.100 χ^2/NDF: 10283984.3/50

- sign 665.568+/-0.144 χ^2/NDF: 5474108.2/25

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 119.609+/-25.274 χ^2/NDF:19.9/8

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

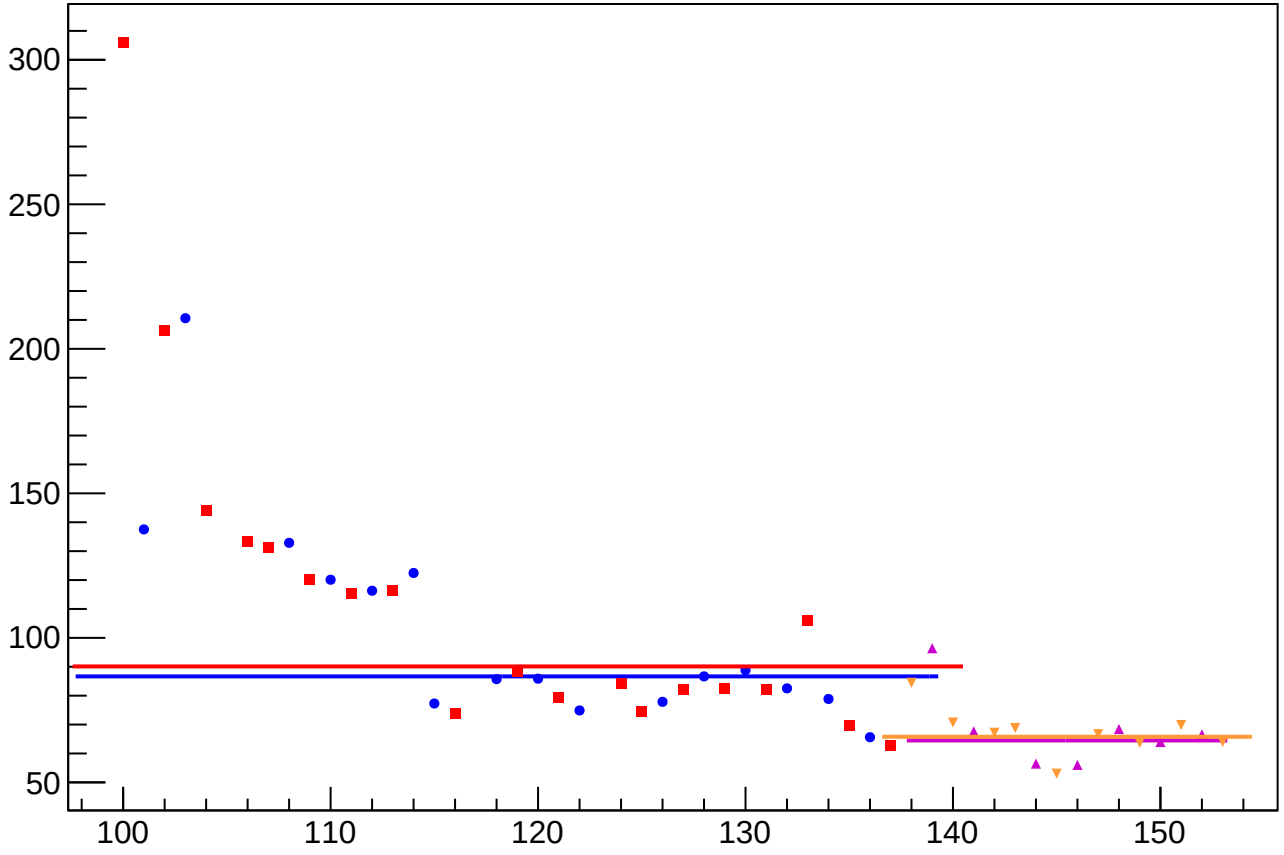
Left In: -111.948+/-26.634 χ^2/NDF:4.9/6

+ sign 88.795+/-20.258 χ^2/NDF: 36.9/24

All: 3.515+/-14.634 χ^2/NDF: 100.3/50

- sign -89.547+/-21.162 χ^2/NDF: 26.4/25

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.782+/-0.018 χ^2/NDF:181645.2/8

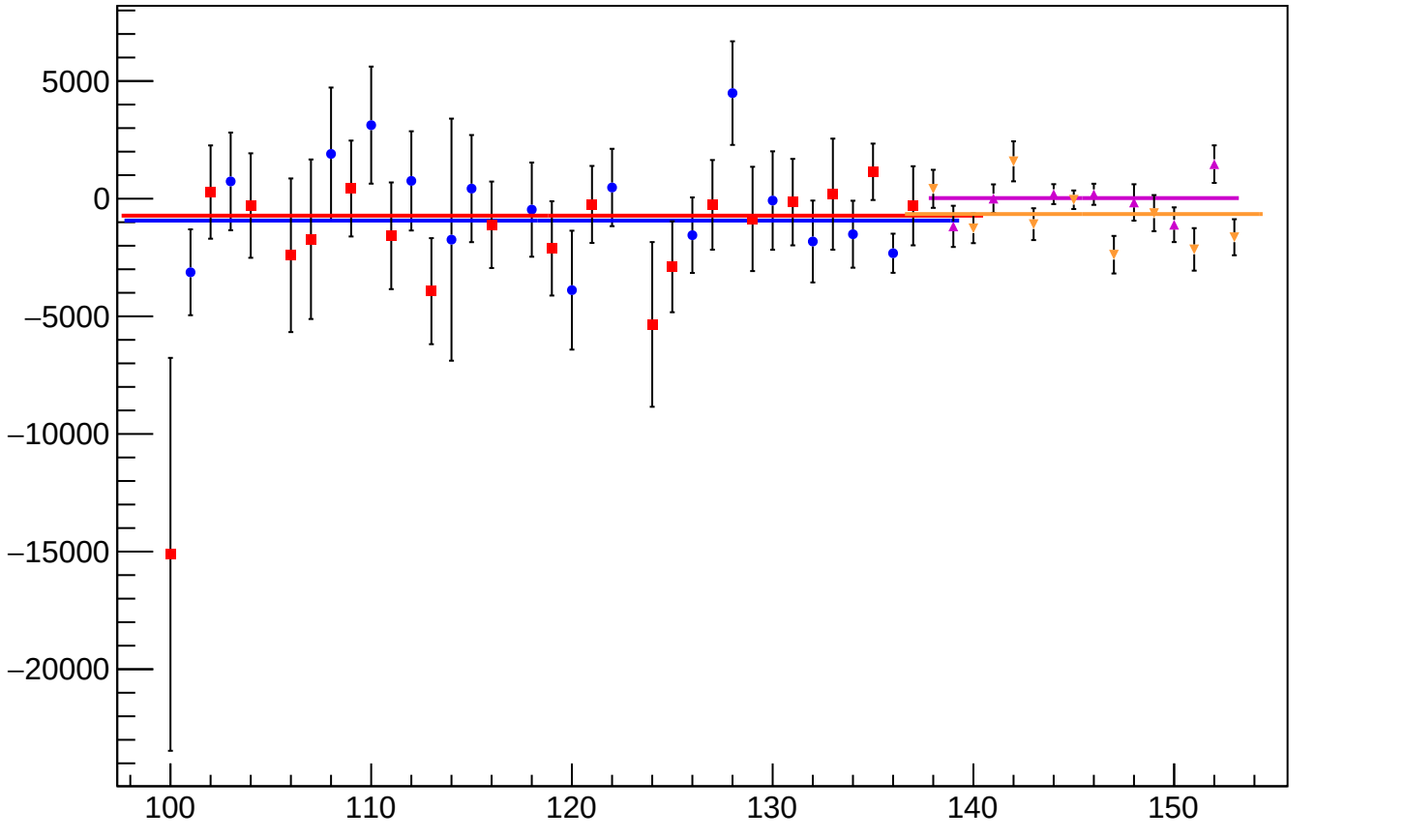
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.503+/-0.019 χ^2/NDF:269187.2/6

+ sign 73.249+/-0.014 χ^2/NDF: 1708679.2/24

All: 73.582+/-0.010 χ^2/NDF: 3806145.5/50

- sign 73.946+/-0.015 χ^2/NDF: 2096332.1/25



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -653.137+/-222.330 χ^2/NDF:21.5/8

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

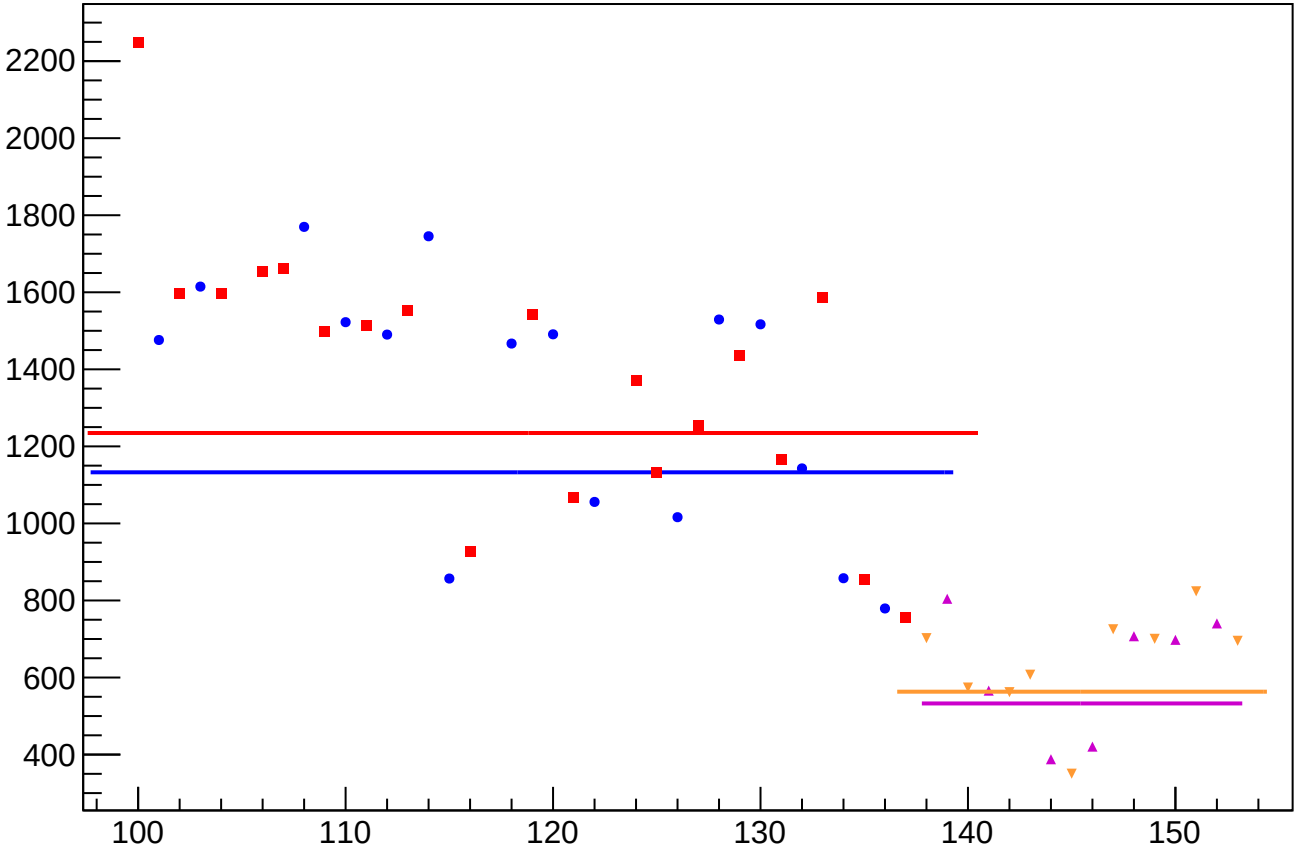
Left In: 24.926+/-225.498 χ^2/NDF:7.9/6

+ sign -709.224+/-198.518 χ^2/NDF: 40.4/24

All: -419.161+/-141.997 χ^2/NDF: 67.2/50

- sign -115.283+/-203.190 χ^2/NDF: 22.4/25

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 563.232+/-0.157 χ^2/NDF:1021443.3/8

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

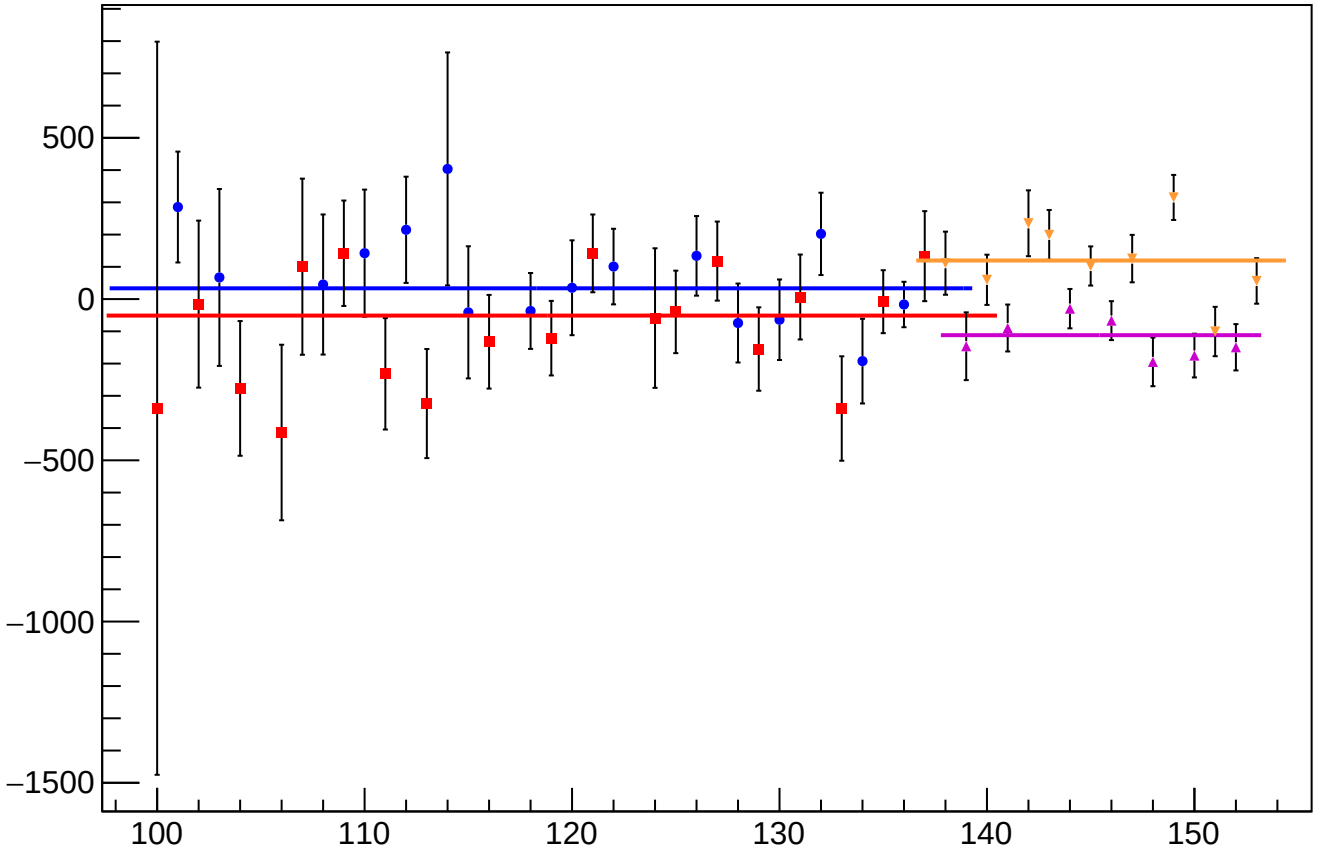
Left In: 532.709+/-0.159 χ^2/NDF:895386.2/6

+ sign 678.682+/-0.140 χ^2/NDF: 4805654.8/24

All: 671.869+/-0.100 χ^2/NDF: 10227415.9/50

- sign 664.732+/-0.144 χ^2/NDF: 5416938.5/25

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 119.609+/-25.274 χ^2/NDF:19.9/8

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

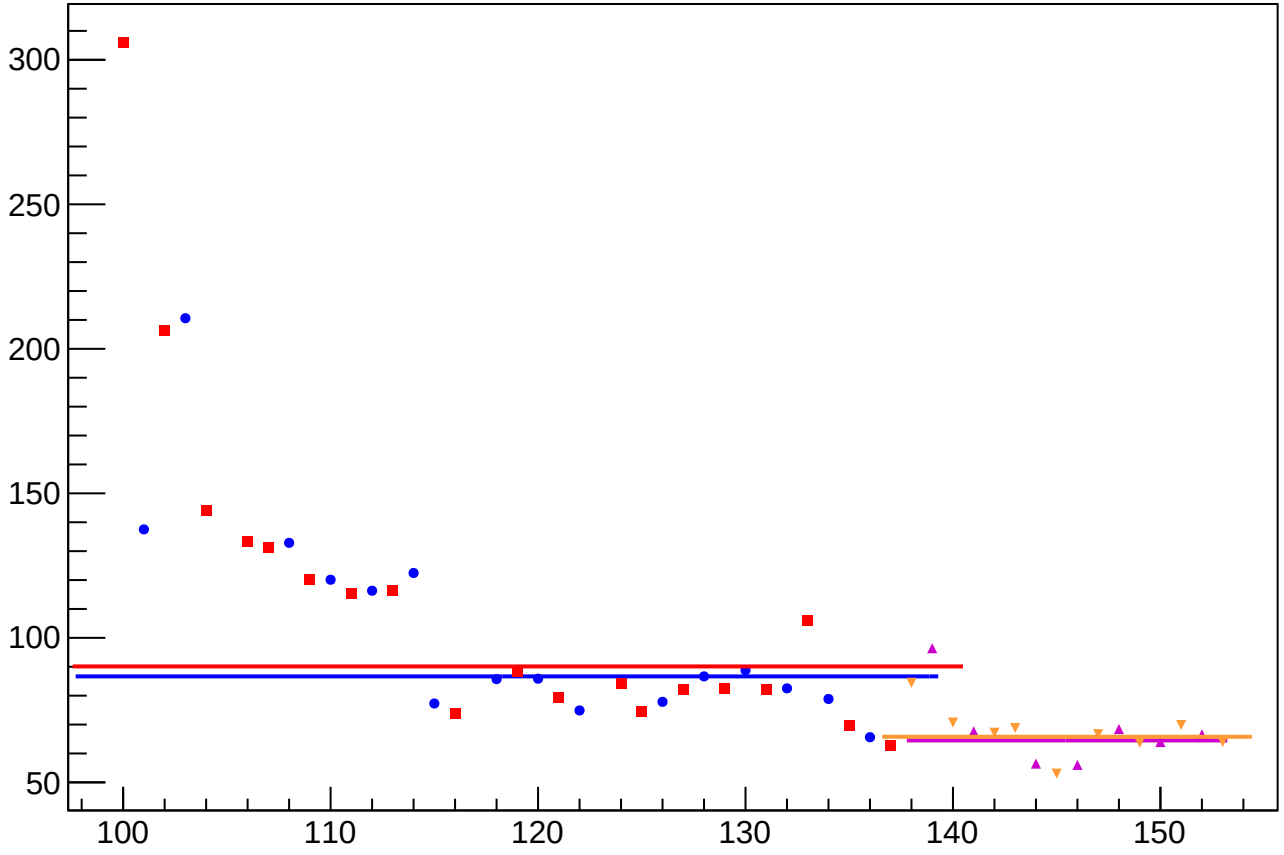
Left In: -111.948+/-26.634 χ^2/NDF:4.9/6

+ sign 88.795+/-20.258 χ^2/NDF: 36.9/24

All: 3.515+/-14.634 χ^2/NDF: 100.3/50

- sign -89.547+/-21.162 χ^2/NDF: 26.4/25

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.782+/-0.018 χ^2/NDF:181645.2/8

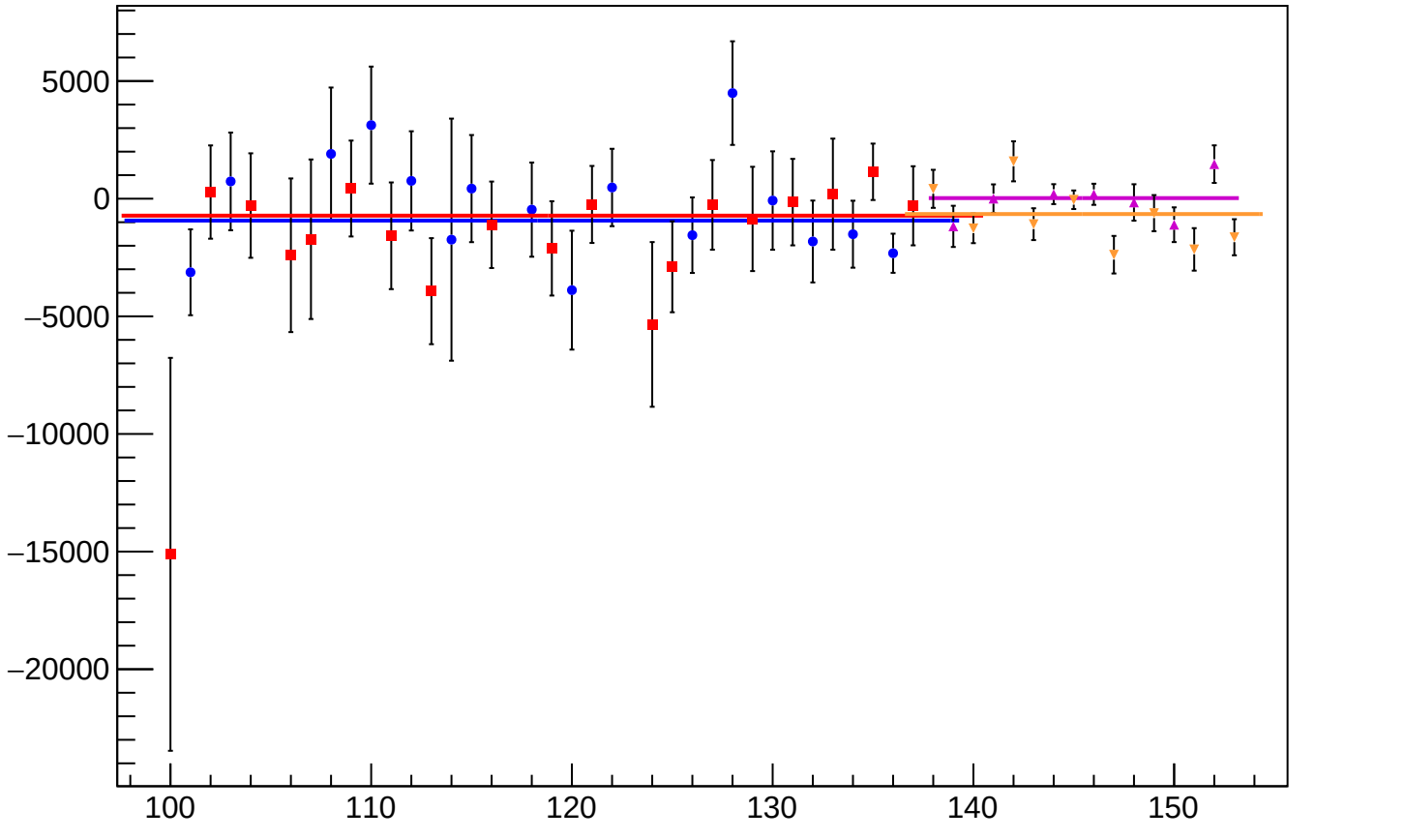
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.503+/-0.019 χ^2/NDF:269187.2/6

+ sign 73.249+/-0.014 χ^2/NDF: 1708679.2/24

All: 73.582+/-0.010 χ^2/NDF: 3806145.5/50

- sign 73.946+/-0.015 χ^2/NDF: 2096332.1/25



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -653.137+/-222.330 χ^2/NDF:21.5/8

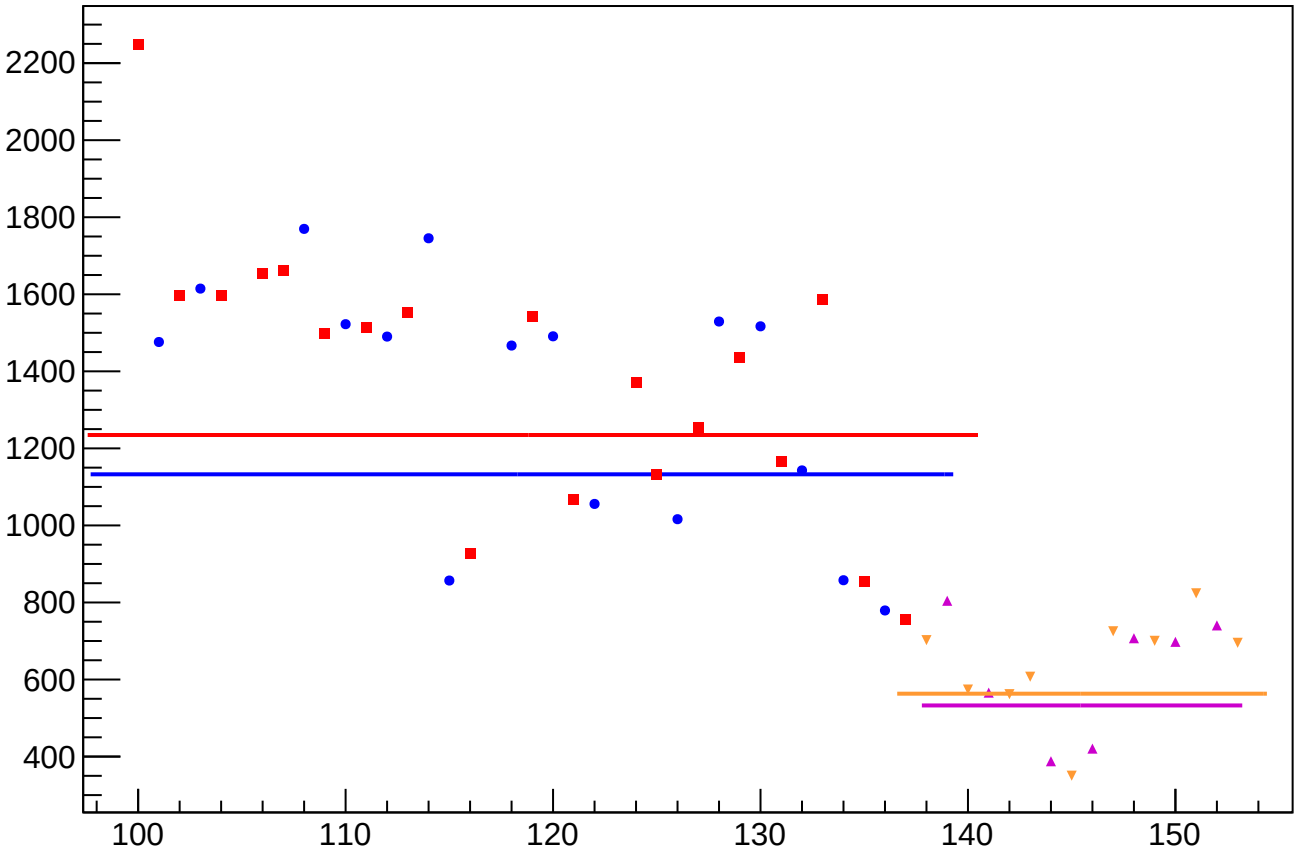
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 24.926+/-225.498 χ^2/NDF:7.9/6

+ sign -709.224+/-198.518 χ^2/NDF: 40.4/24

All: -419.161+/-141.997 χ^2/NDF: 67.2/50

- sign -115.283+/-203.190 χ^2/NDF: 22.4/25



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 563.232+/-0.157 χ^2/NDF:1021443.3/8

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

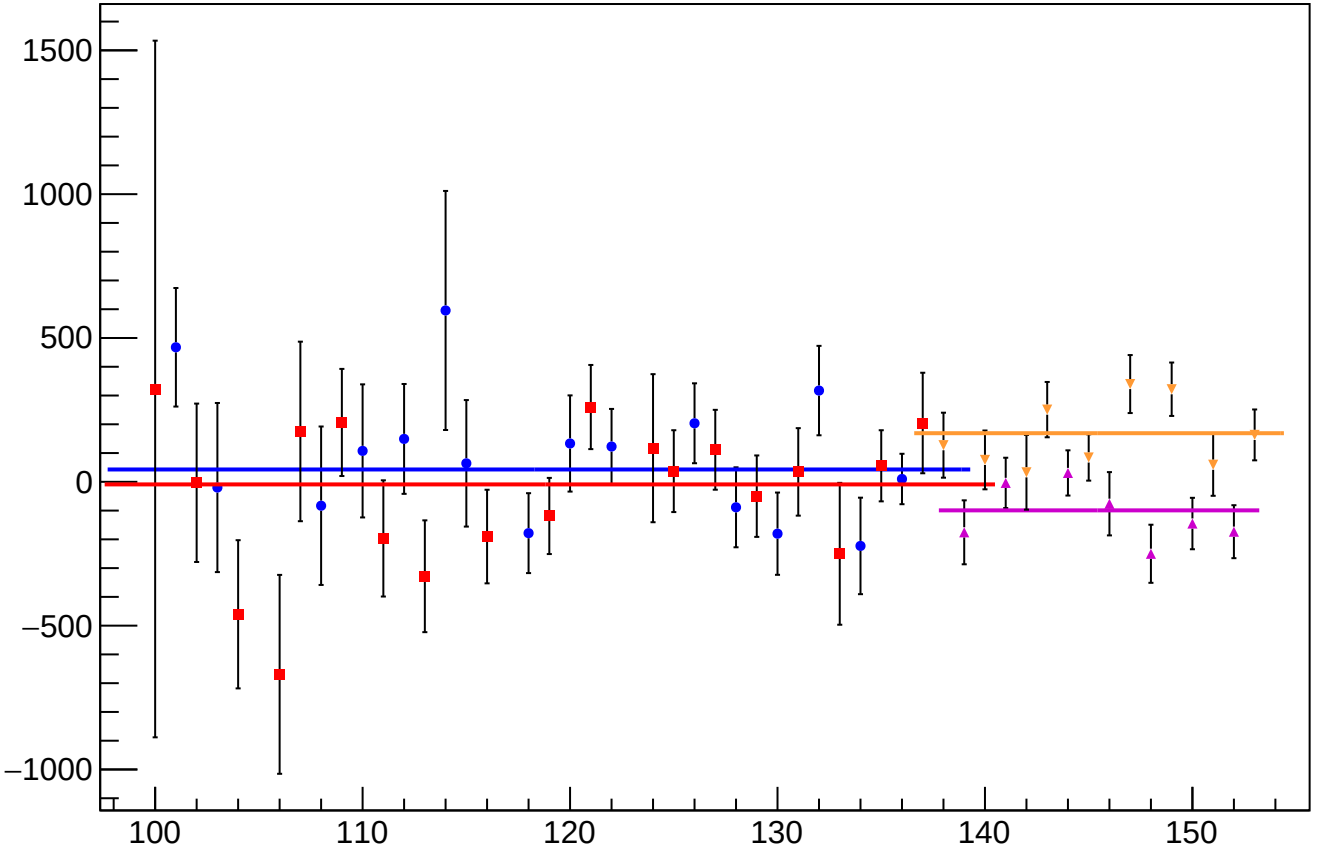
Left In: 532.709+/-0.159 χ^2/NDF:895386.2/6

+ sign 678.682+/-0.140 χ^2/NDF: 4805654.8/24

All: 671.869+/-0.100 χ^2/NDF: 10227415.9/50

- sign 664.732+/-0.144 χ^2/NDF: 5416938.5/25

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 169.034+/-32.901 χ^2/NDF:10.5/8

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

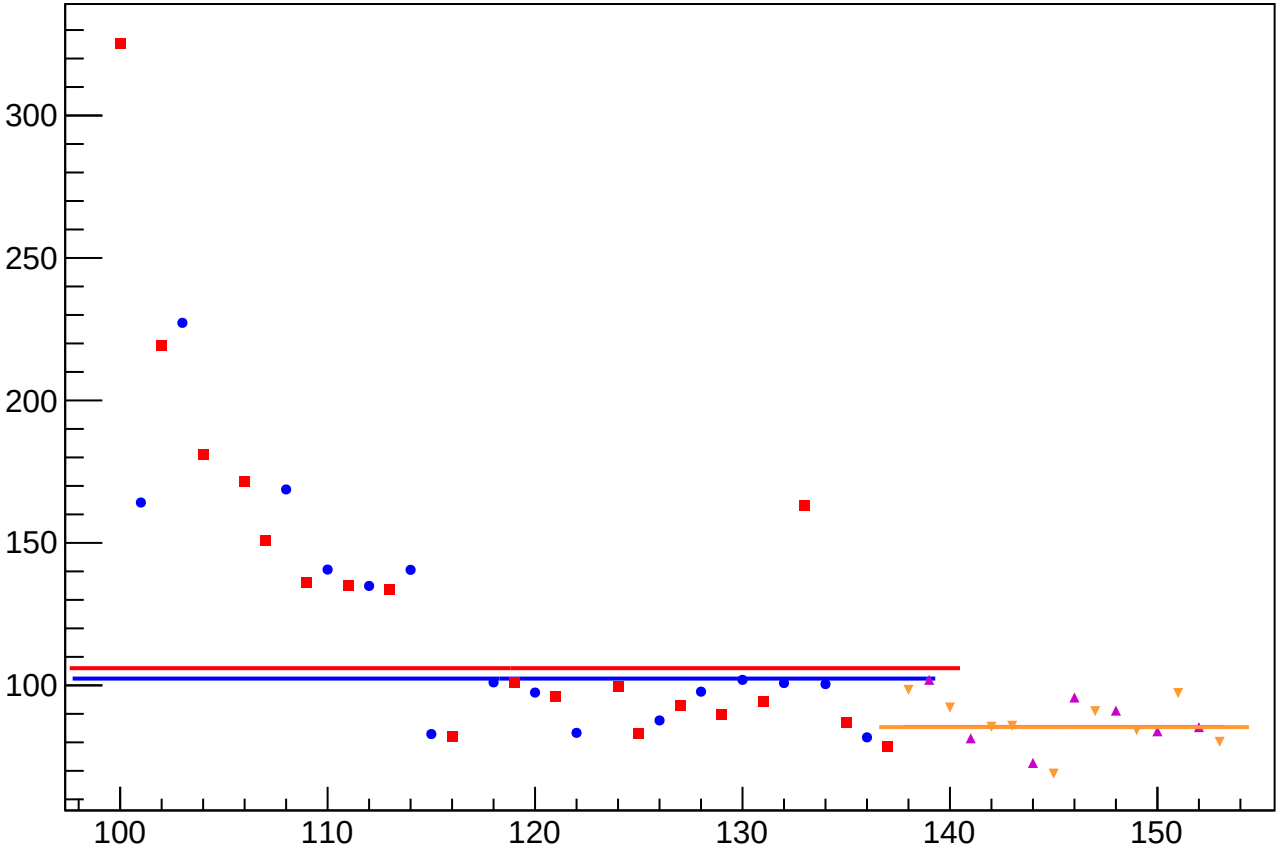
Left In: -99.230+/-35.415 χ^2/NDF:7.6/6

+ sign 118.061+/-25.396 χ^2/NDF: 36.7/24

All: 33.526+/-18.440 χ^2/NDF: 91.9/50

- sign -60.734+/-26.818 χ^2/NDF: 31.7/25

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 85.350+/-0.023 χ^2/NDF:155799.5/8

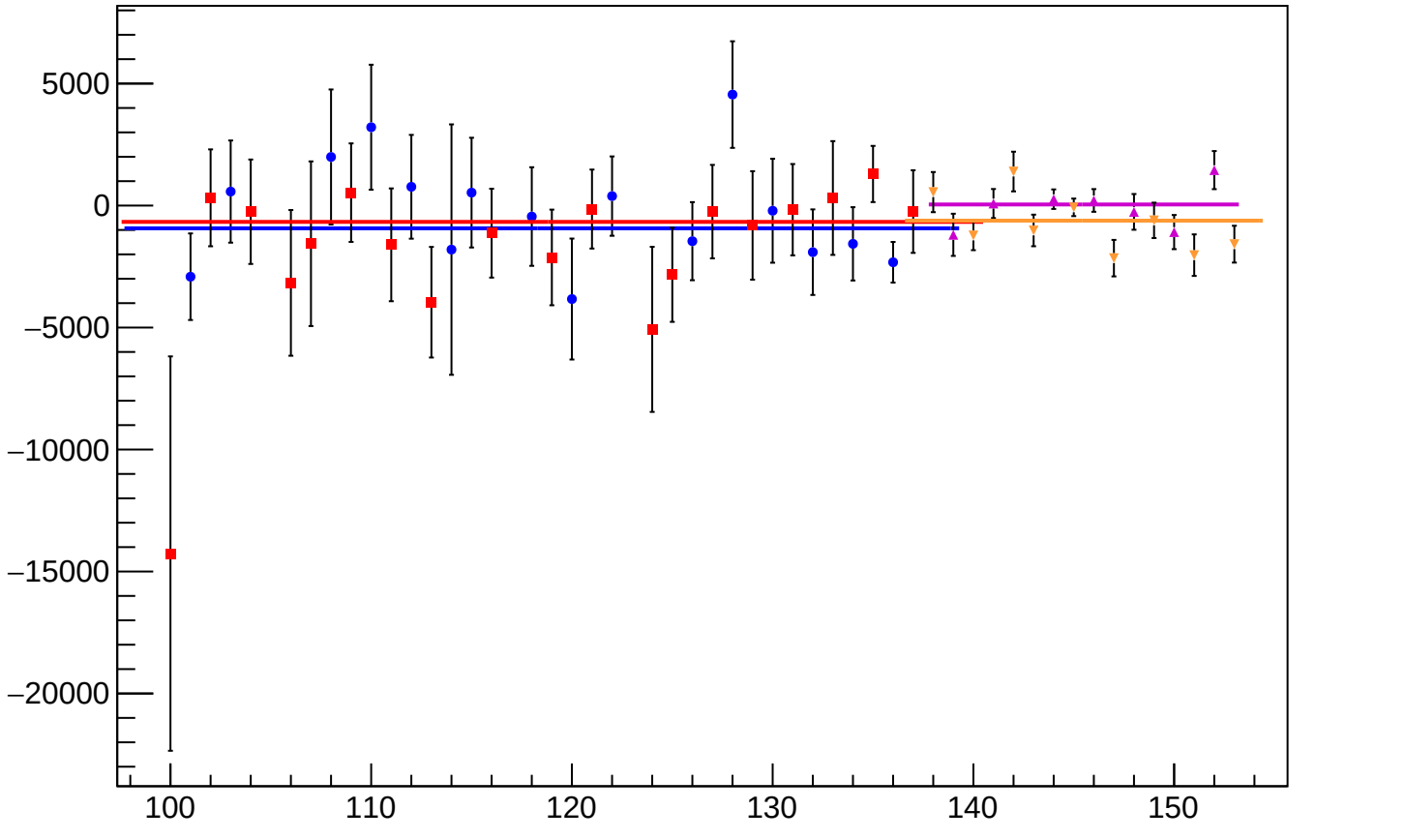
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 85.403+/-0.025 χ^2/NDF:124771.3/6

+ sign 92.232+/-0.018 χ^2/NDF: 1354637.5/24

All: 93.164+/-0.013 χ^2/NDF: 2965892.1/50

- sign 94.203+/-0.019 χ^2/NDF: 1605559.6/25



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -617.925+/-209.893 χ^2/NDF:20.5/8

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

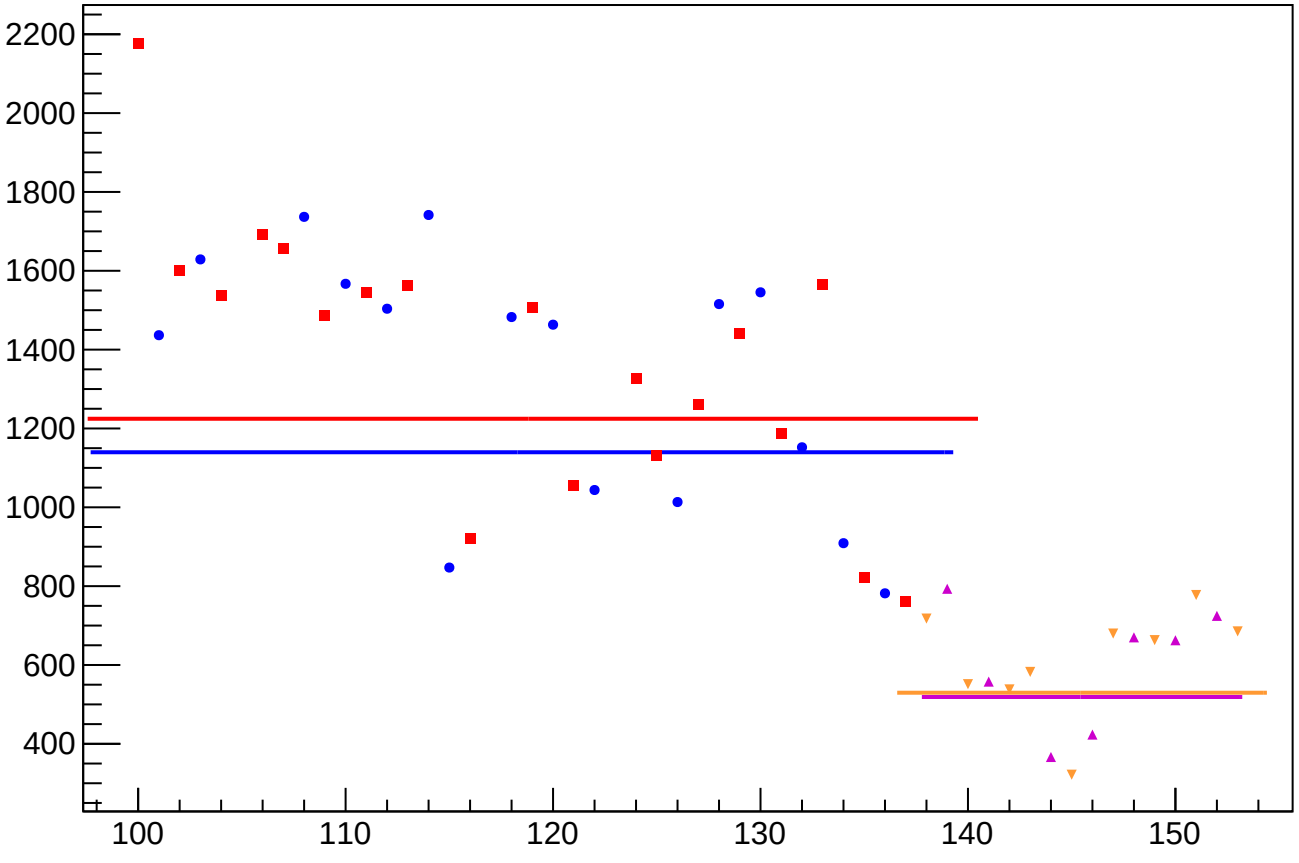
Left In: 44.885+/-220.441 χ^2/NDF:8.5/6

+ sign -675.633+/-189.658 χ^2/NDF: 39.4/24

All: -395.459+/-137.309 χ^2/NDF: 67.9/50

- sign -86.850+/-199.050 χ^2/NDF: 23.9/25

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 529.656+/-0.148 χ^2/NDF:1193937.5/8

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

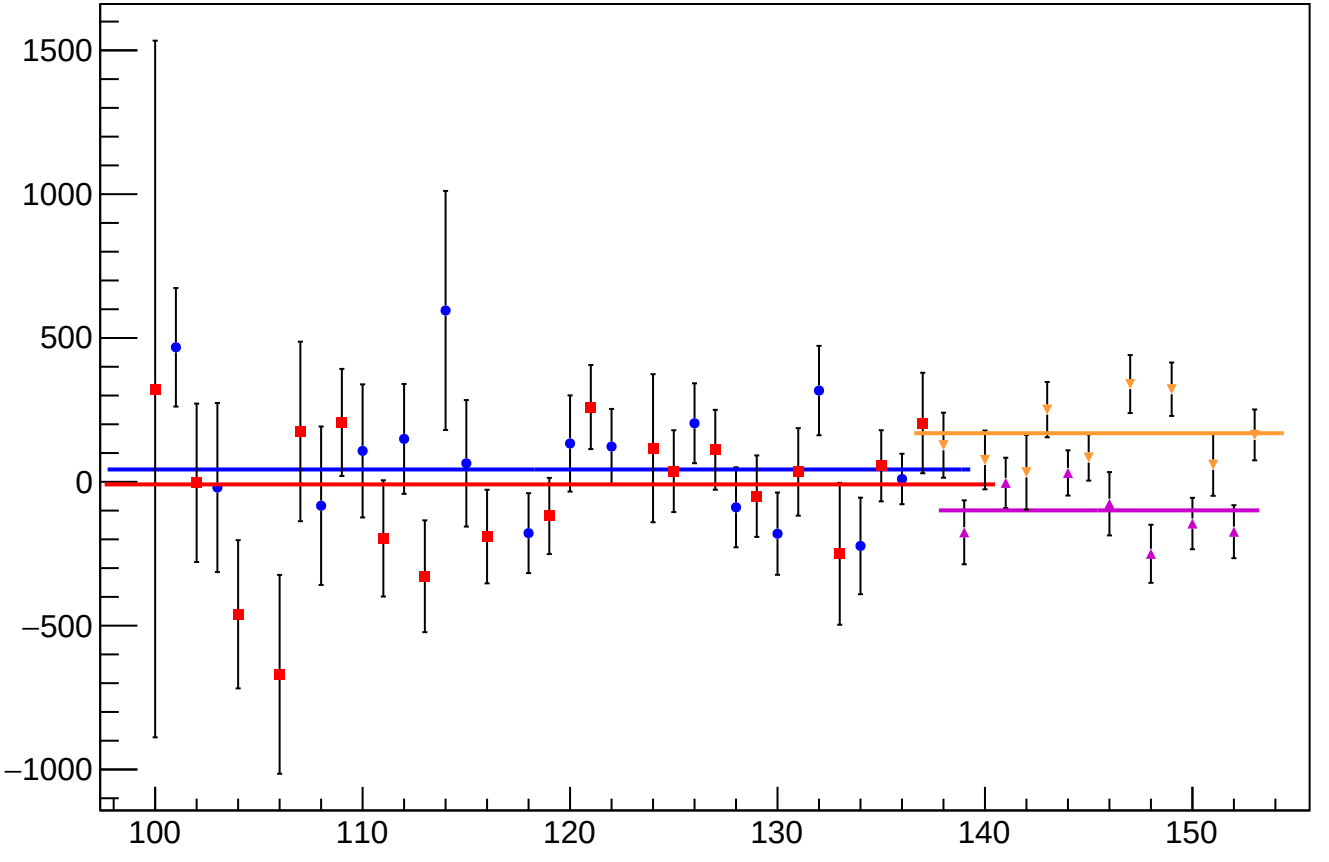
Left In: 518.785+/-0.156 χ^2/NDF:893221.9/6

+ sign 641.602+/-0.134 χ^2/NDF: 5387424.6/24

All: 645.182+/-0.097 χ^2/NDF: 10991026.9/50

- sign 649.125+/-0.141 χ^2/NDF: 5602104.7/25

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 169.034+/-32.901 χ^2/NDF:10.5/8

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

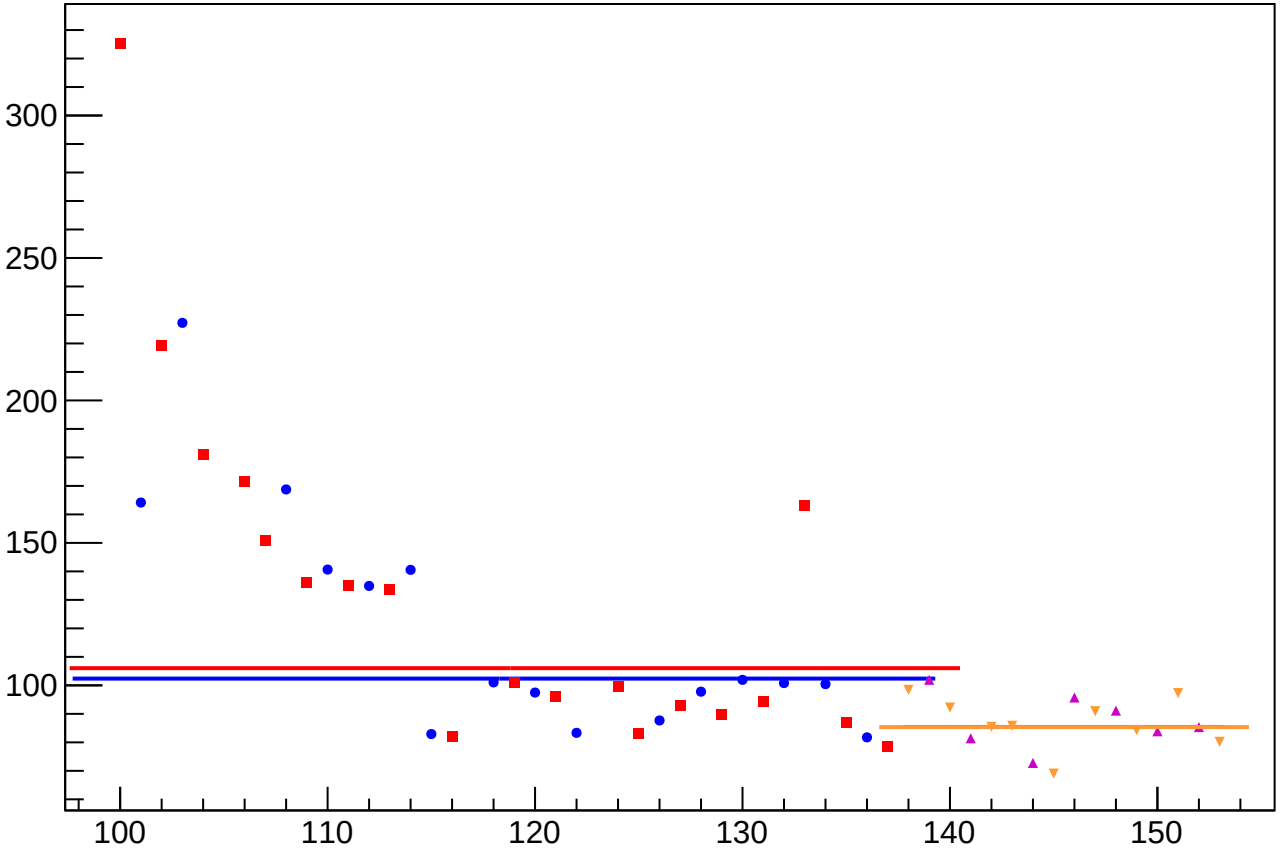
Left In: -99.229+/-35.415 χ^2/NDF:7.6/6

+ sign 118.060+/-25.397 χ^2/NDF: 36.7/24

All: 33.527+/-18.440 χ^2/NDF: 91.9/50

- sign -60.732+/-26.818 χ^2/NDF: 31.7/25

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 85.351+/-0.023 χ^2/NDF:155791.9/8

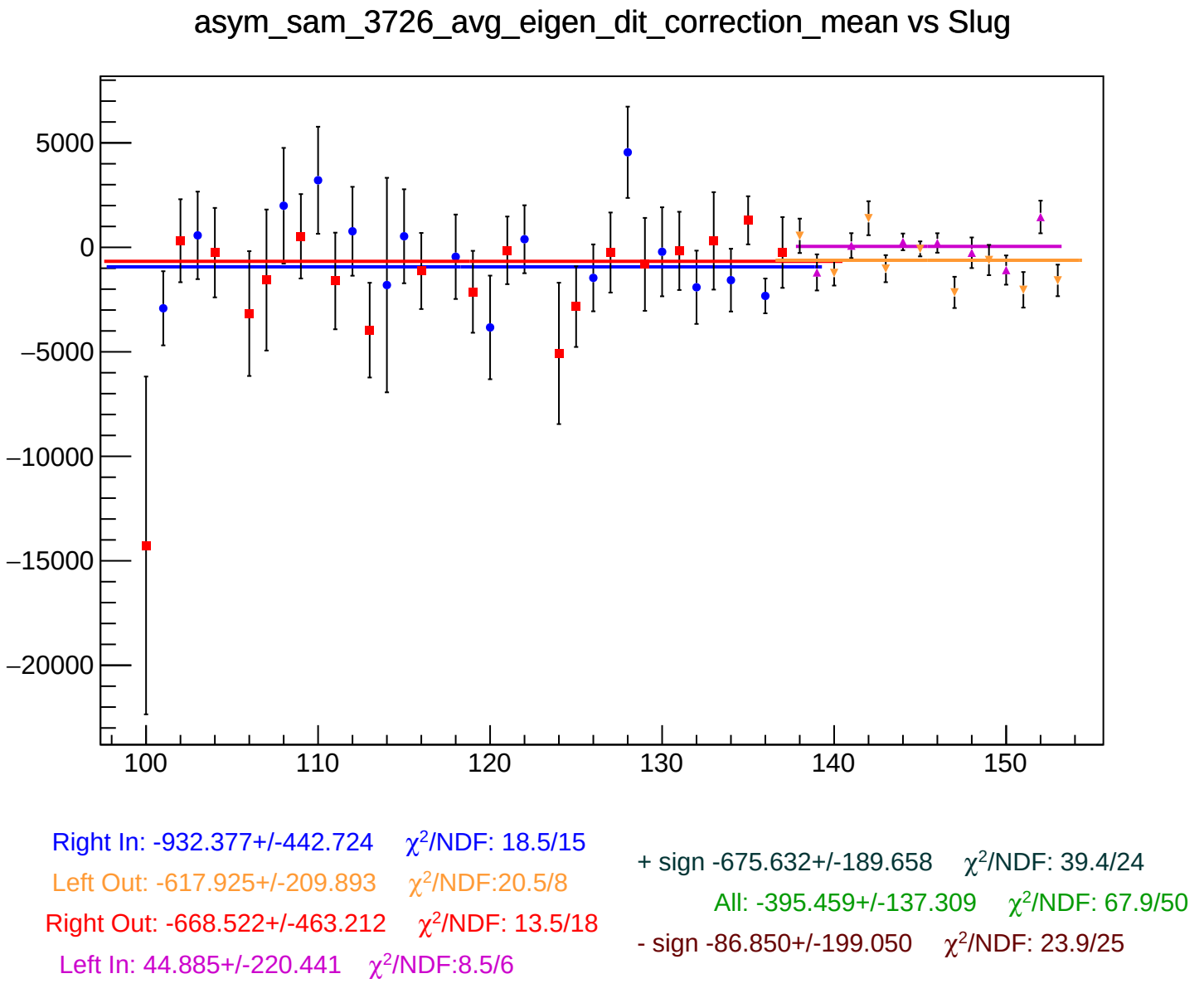
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 85.403+/-0.025 χ^2/NDF:124768.7/6

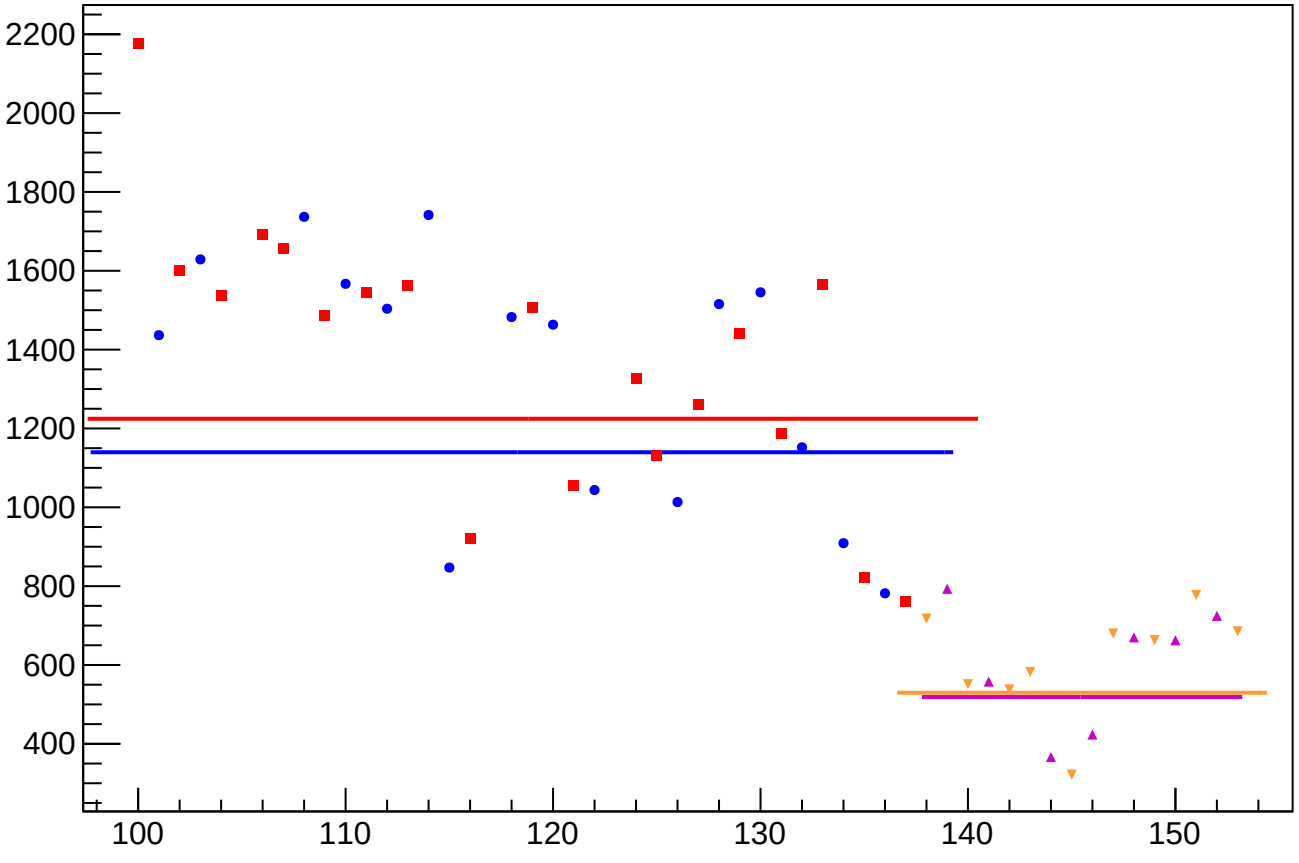
+ sign 92.233+/-0.018 χ^2/NDF: 1354608.1/24

All: 93.164+/-0.013 χ^2/NDF: 2965847.0/50

- sign 94.204+/-0.019 χ^2/NDF: 1605543.7/25


asym_sam_3726_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -932.377+/-442.724 χ²/NDF: 18.5/15
Left Out: -617.925+/-209.893 χ²/NDF:20.5/8
Right Out: -668.522+/-463.212 χ²/NDF: 13.5/18
Left In: 44.885+/-220.441 χ²/NDF:8.5/6
+ sign -675.632+/-189.658 χ²/NDF: 39.4/24
All: -395.459+/-137.309 χ²/NDF: 67.9/50
- sign -86.850+/-199.050 χ²/NDF: 23.9/25

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 529.654+/-0.148 χ^2/NDF:1193952.3/8

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

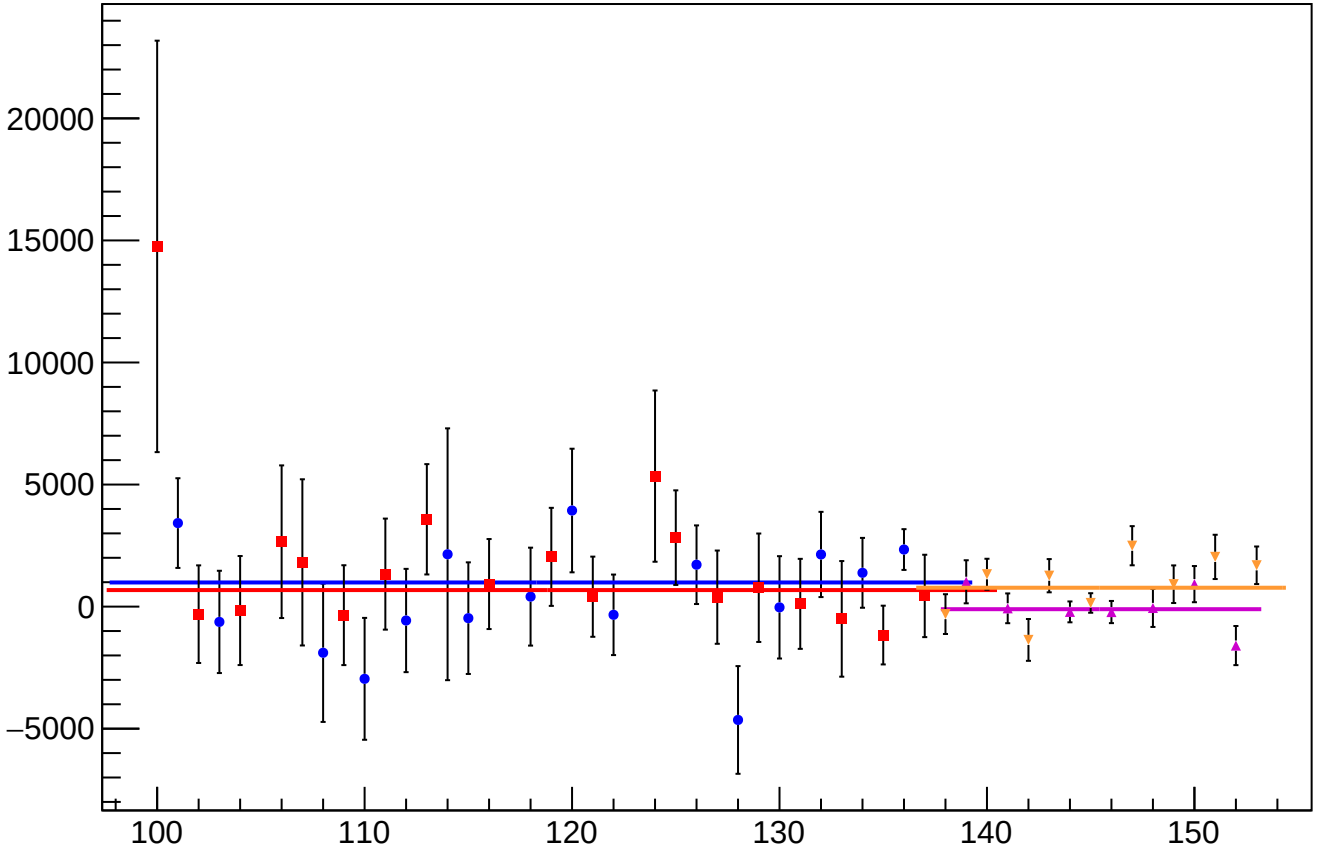
Left In: 518.784+/-0.156 χ^2/NDF:893225.3/6

+ sign 641.600+/-0.134 χ^2/NDF: 5387438.9/24

All: 645.180+/-0.097 χ^2/NDF: 10991037.3/50

- sign 649.124+/-0.141 χ^2/NDF: 5602100.5/25

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 773.582+/-224.127 χ^2/NDF:19.7/8

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

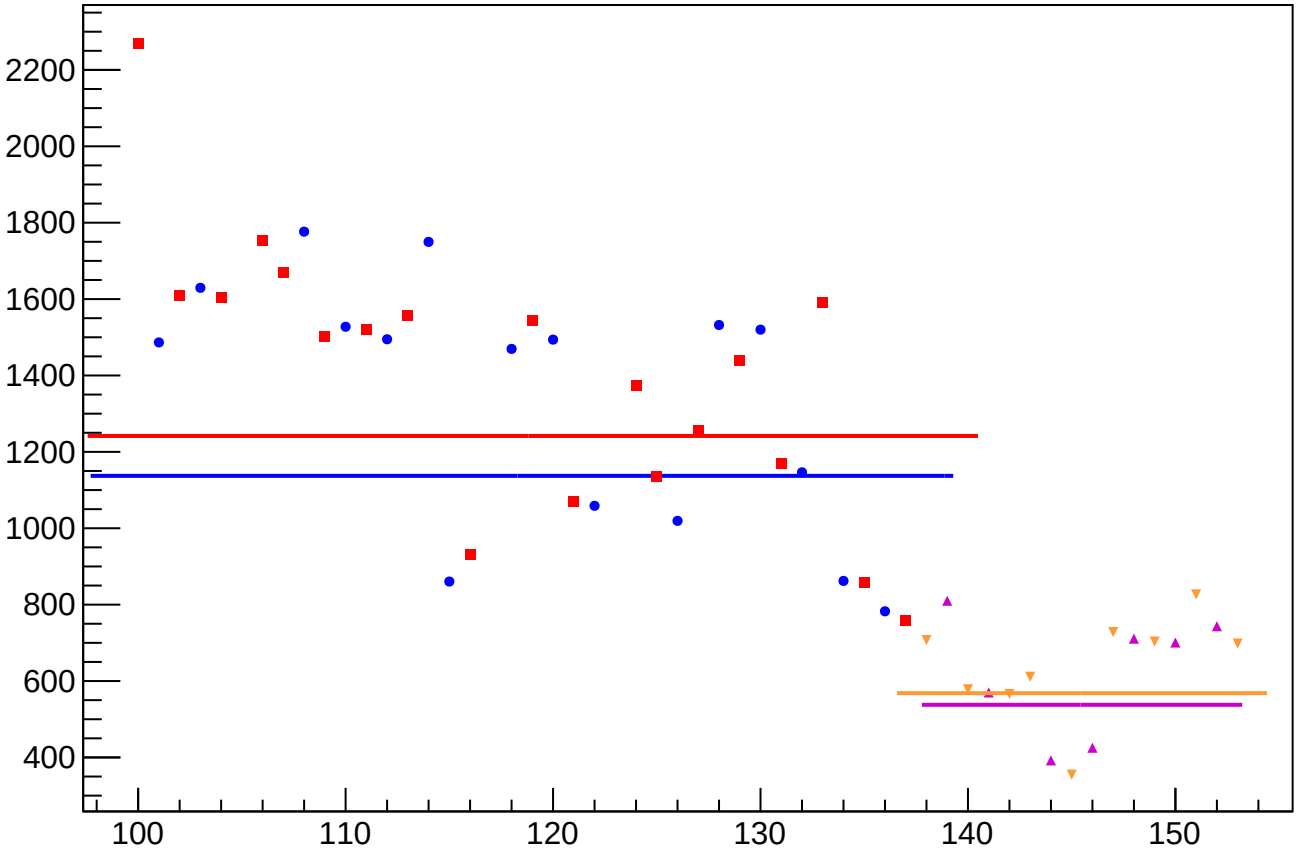
Left In: -105.215+/-227.463 χ^2/NDF:7.1/6

+ sign 817.608+/-199.955 χ^2/NDF: 38.9/24

All: 439.673+/-143.043 χ^2/NDF: 67.6/50

- sign 43.525+/-204.716 χ^2/NDF: 21.3/25

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 568.286+/-0.158 χ^2/NDF:997465.6/8

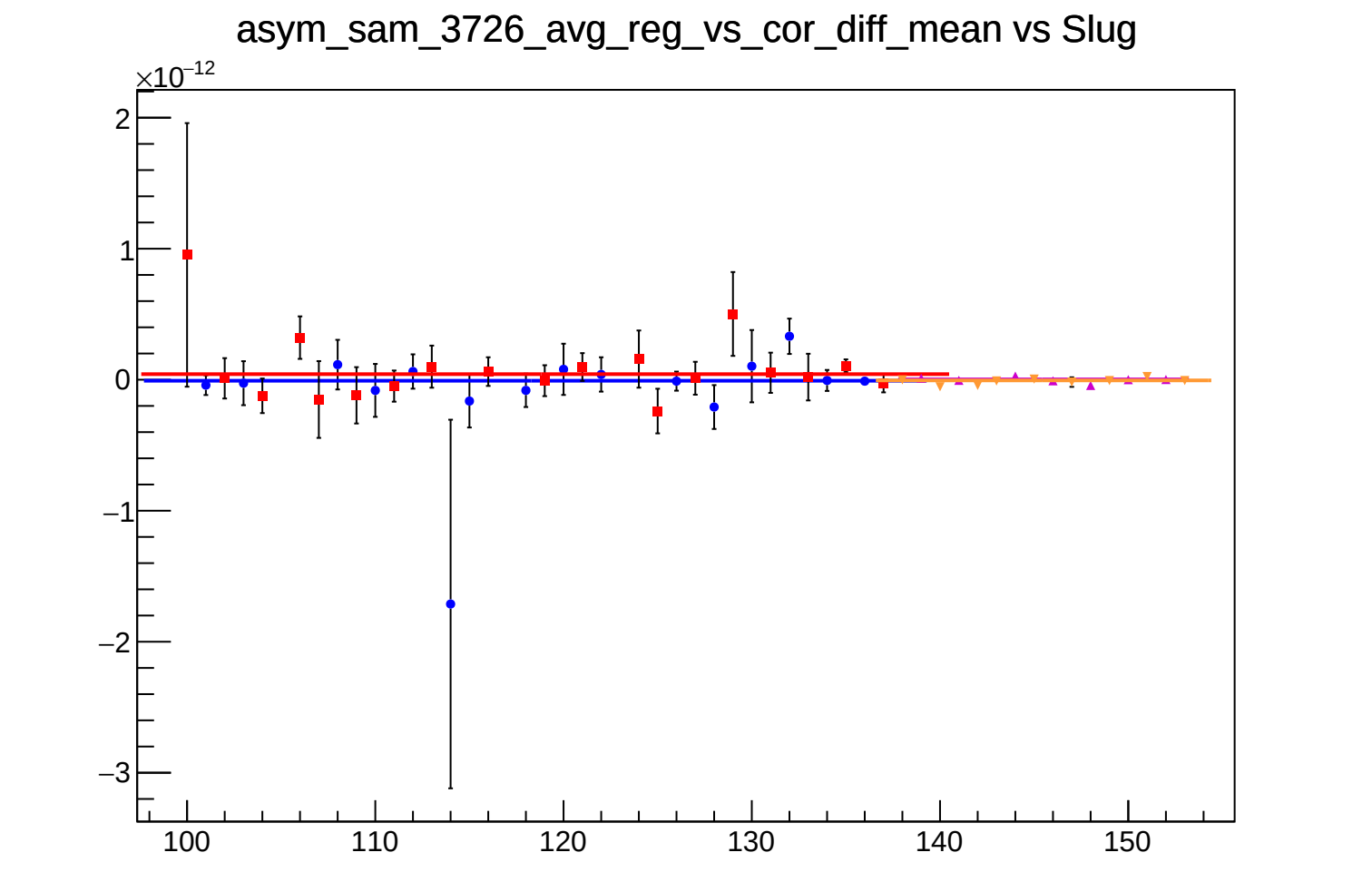
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 537.778+/-0.161 χ^2/NDF:878236.1/6

+ sign 684.387+/-0.141 χ^2/NDF: 4751047.0/24

All: 678.107+/-0.101 χ^2/NDF: 10172091.5/50

- sign 671.525+/-0.145 χ^2/NDF: 5417003.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/8

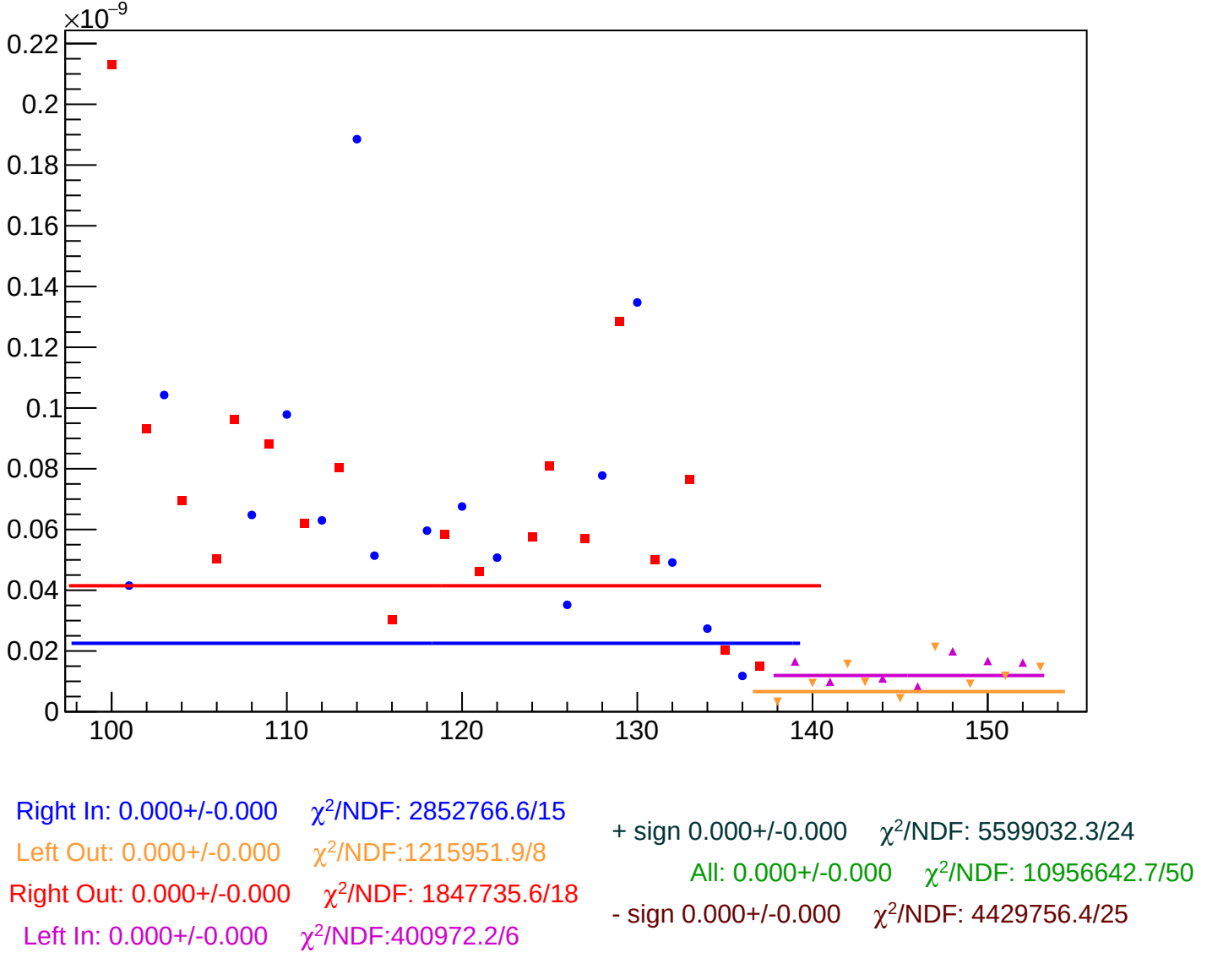
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/6

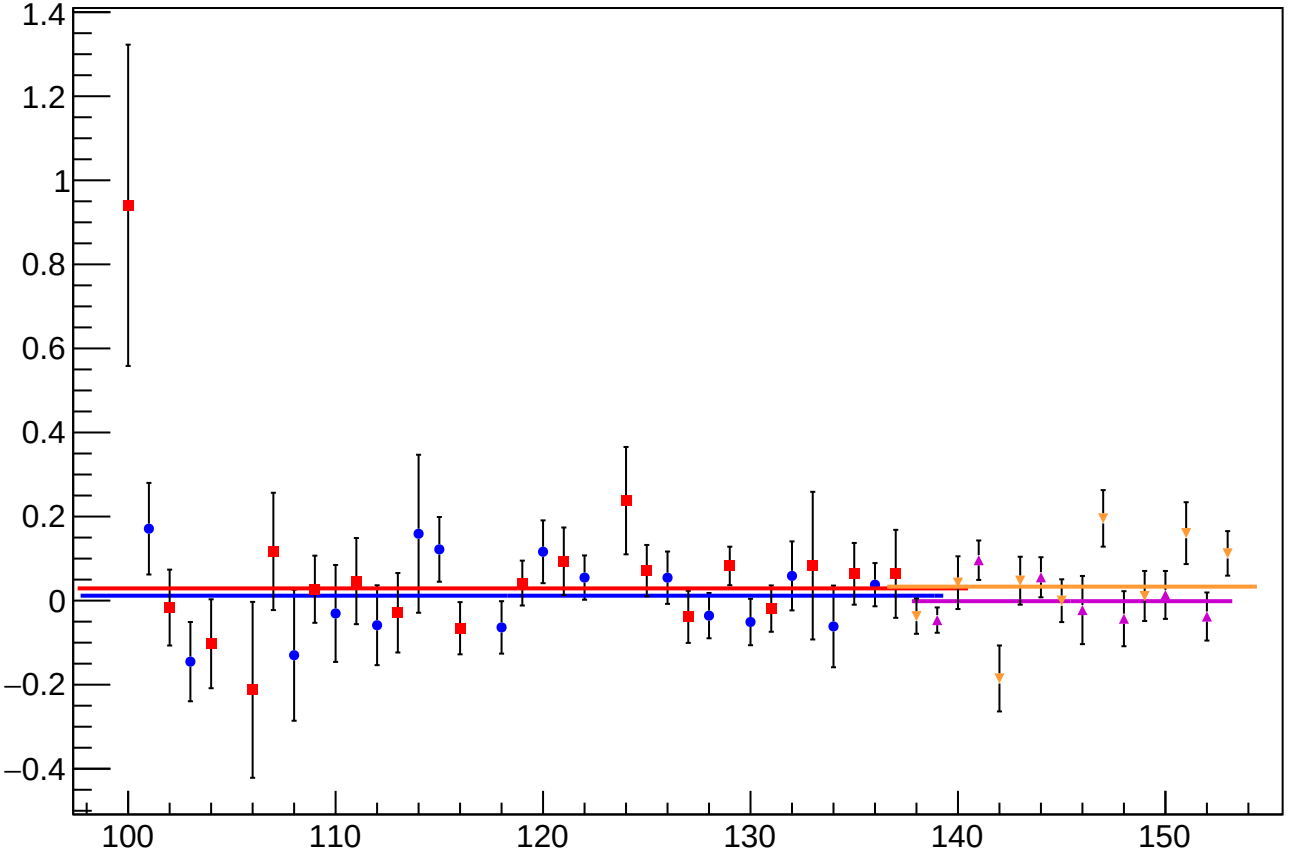
+ sign -0.000+/-0.000 χ^2/NDF: 23.4/24

All: -0.000+/-0.000 χ^2/NDF: 47.3/50

- sign 0.000+/-0.000 χ^2/NDF: 22.4/25


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1215951.9/8
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:400972.2/6
+ sign 0.000+/-0.000 χ²/NDF: 5599032.3/24
All: 0.000+/-0.000 χ²/NDF: 10956642.7/50
- sign 0.000+/-0.000 χ²/NDF: 4429756.4/25

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.033+/-0.019 χ^2/NDF:22.2/8

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

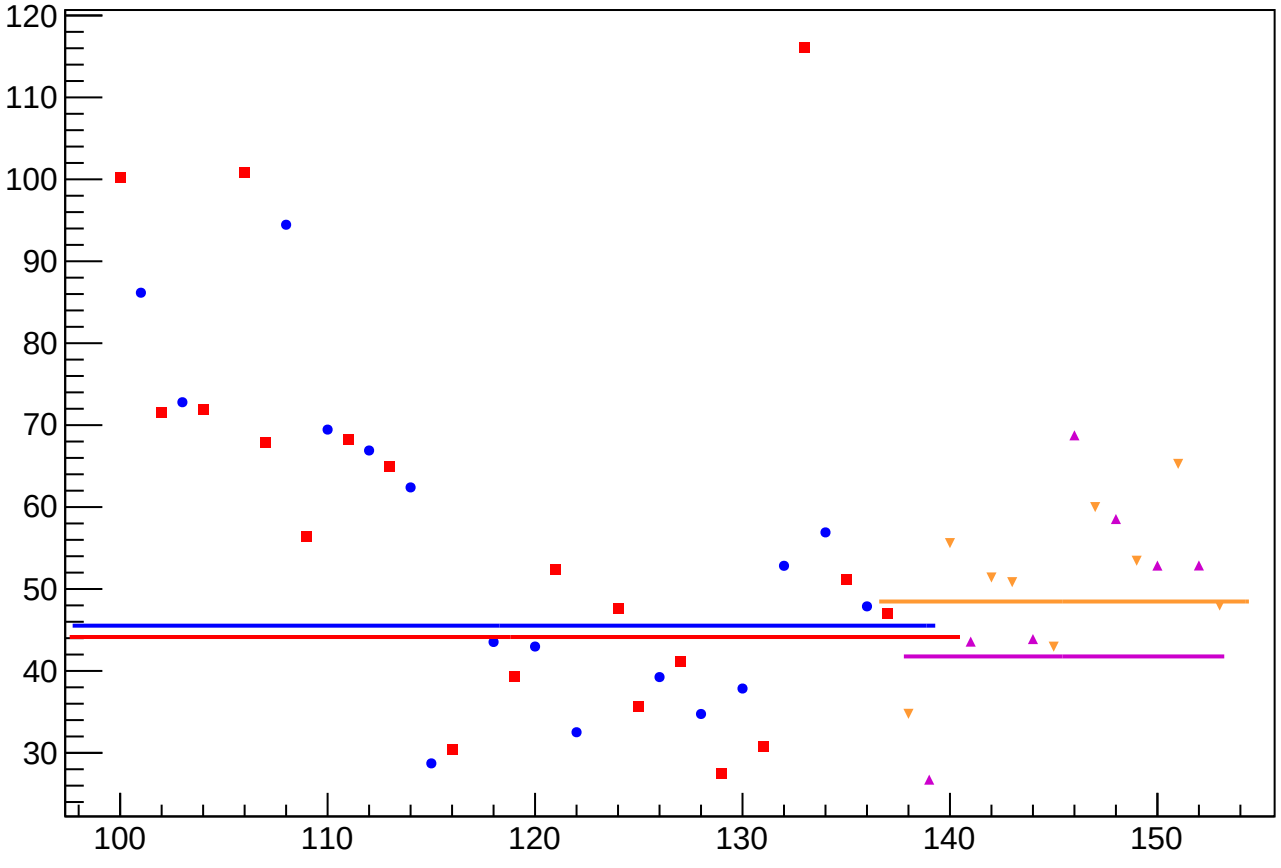
Left In: -0.001+/-0.018 χ^2/NDF:8.9/6

+ sign 0.022+/-0.013 χ^2/NDF: 39.8/24

All: 0.018+/-0.009 χ^2/NDF: 69.8/50

- sign 0.014+/-0.013 χ^2/NDF: 29.9/25

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.473+/-0.014 χ^2/NDF:445268.7/8

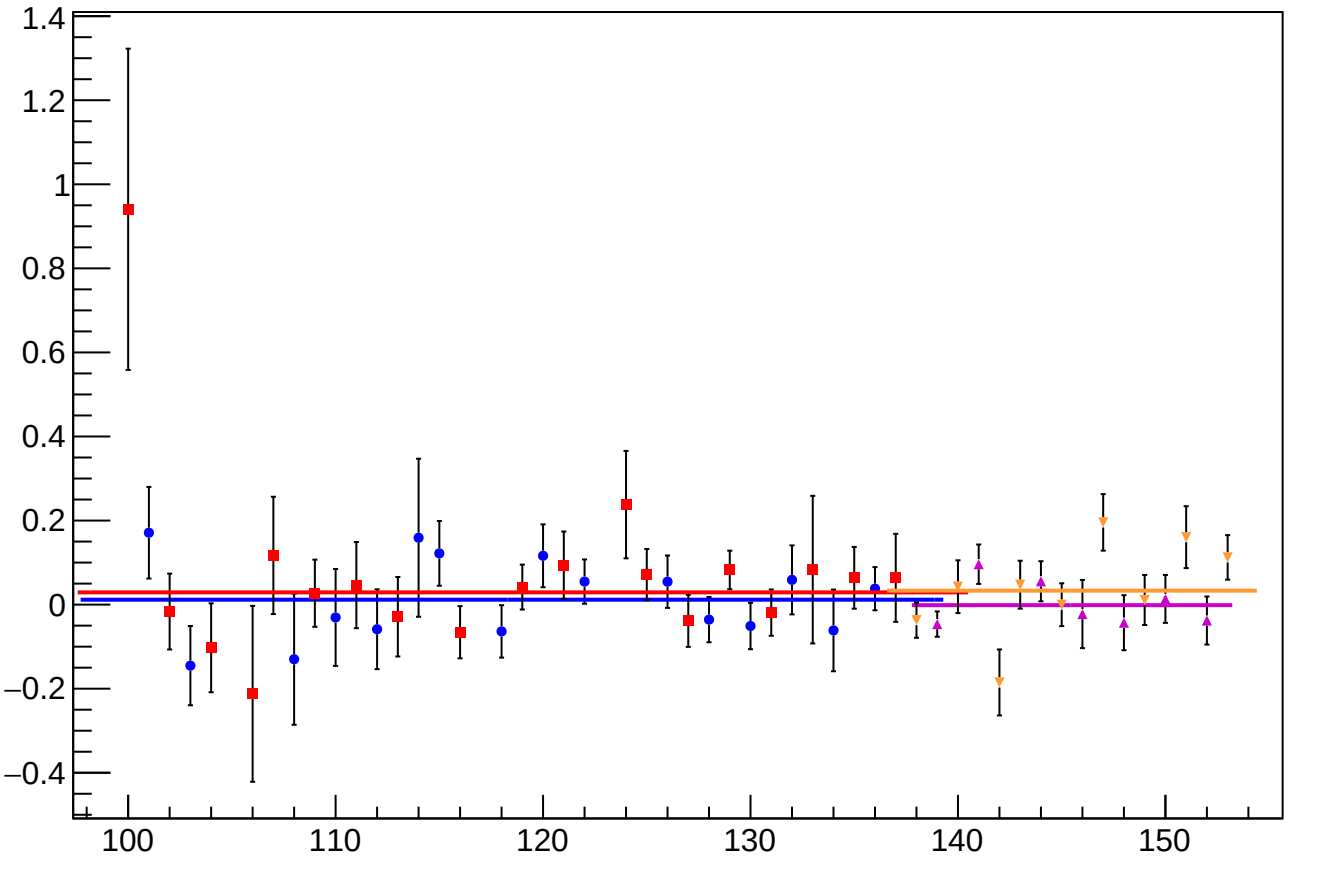
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 41.770+/-0.013 χ^2/NDF:1009508.5/6

+ sign 46.932+/-0.009 χ^2/NDF: 1723957.2/24

All: 44.886+/-0.007 χ^2/NDF: 4586247.8/50

- sign 42.981+/-0.009 χ^2/NDF: 2770141.2/25



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.033+/-0.019 χ^2/NDF:22.2/8

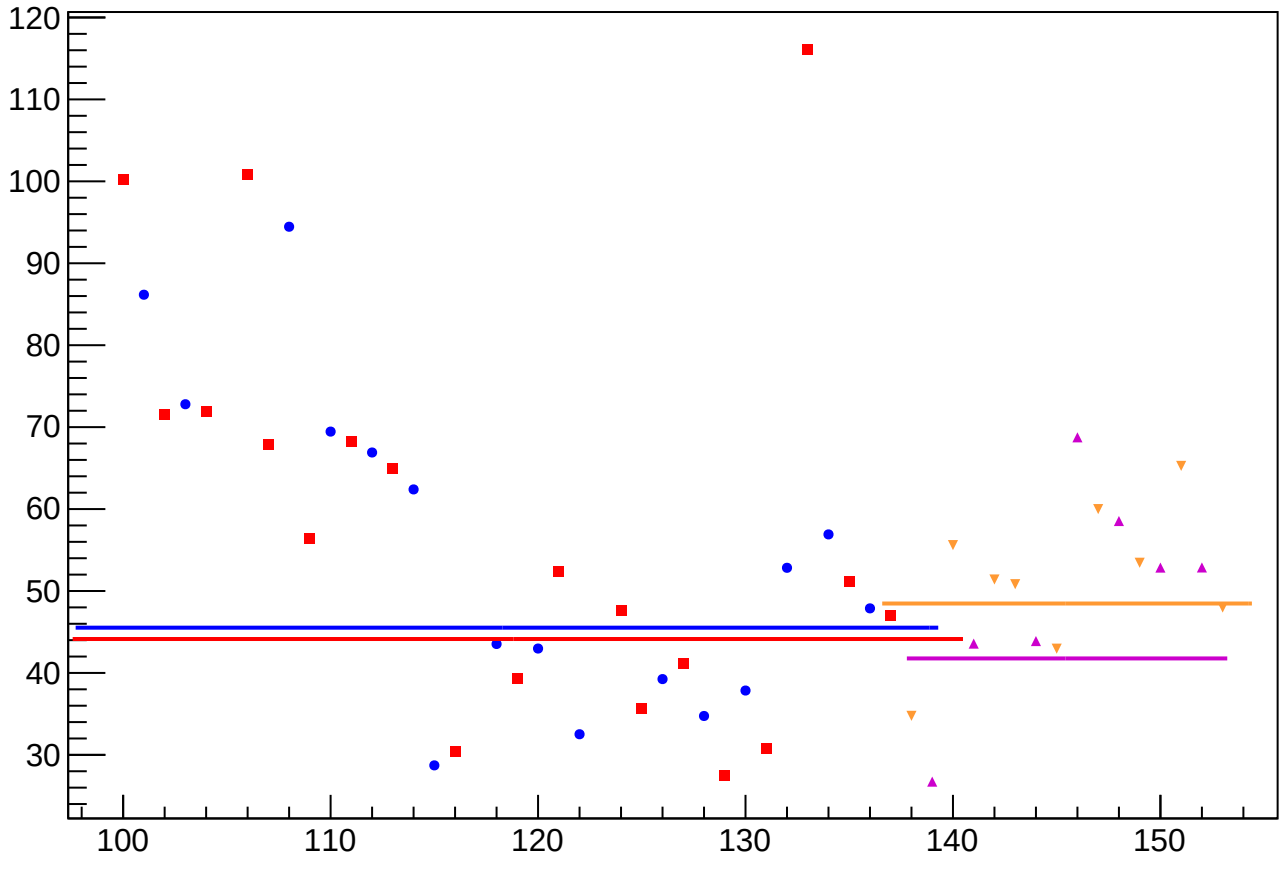
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.018 χ^2/NDF:8.9/6

+ sign 0.022+/-0.013 χ^2/NDF: 39.8/24

All: 0.018+/-0.009 χ^2/NDF: 69.8/50

- sign 0.014+/-0.013 χ^2/NDF: 29.9/25



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.473+/-0.014 χ^2/NDF:445268.7/8

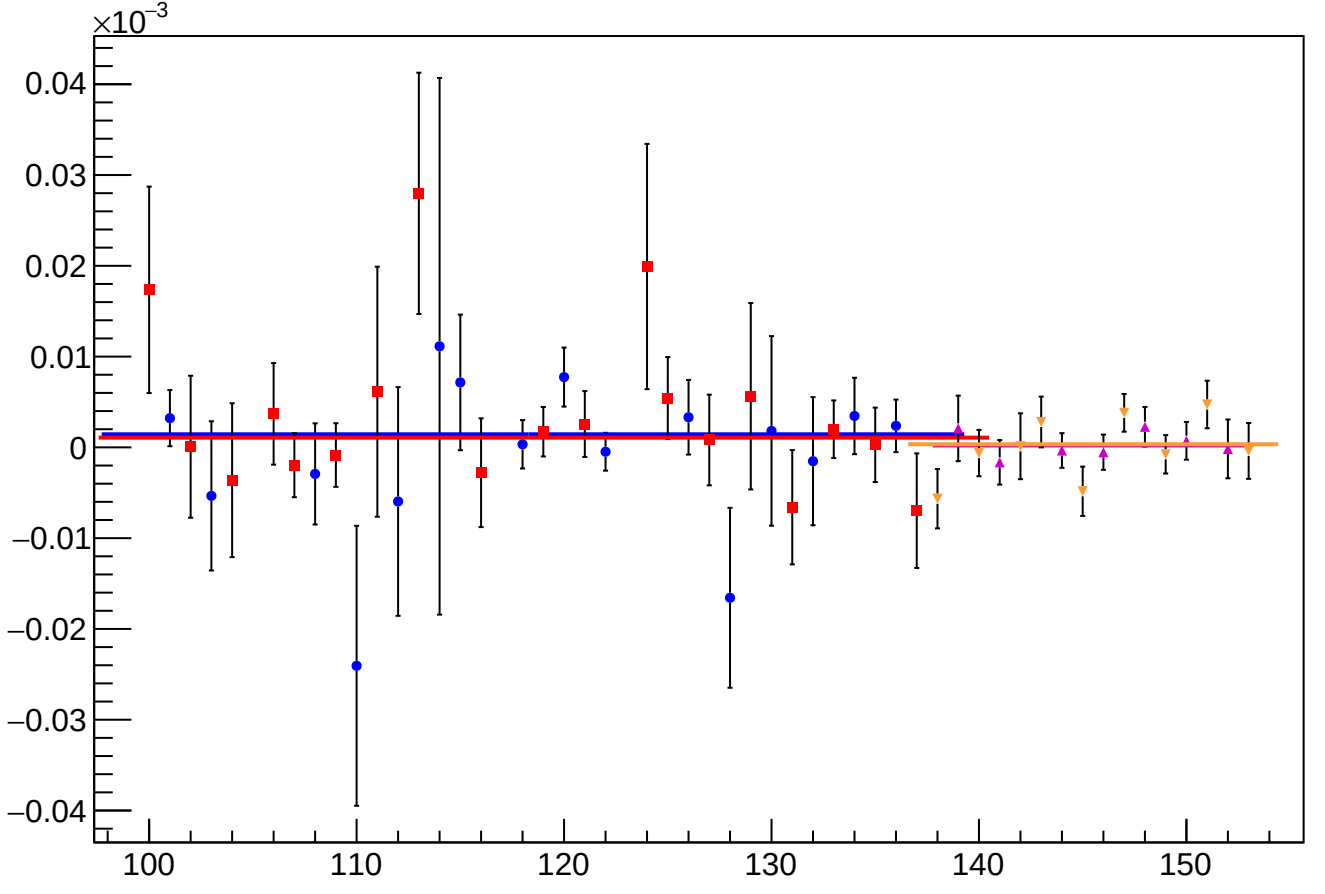
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 41.770+/-0.013 χ^2/NDF:1009508.5/6

+ sign 46.932+/-0.009 χ^2/NDF: 1723957.2/24

All: 44.886+/-0.007 χ^2/NDF: 4586247.8/50

- sign 42.981+/-0.009 χ^2/NDF: 2770141.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

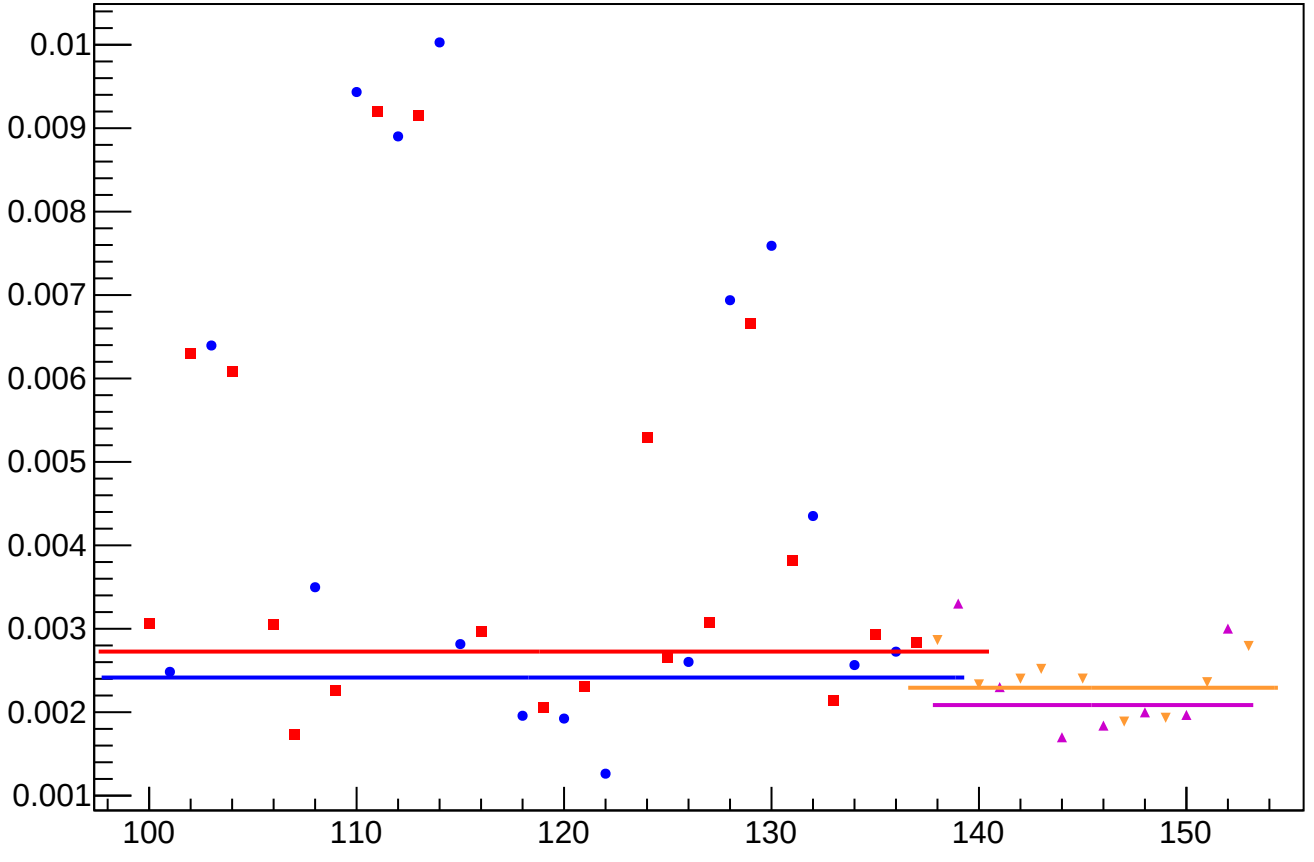
Left In: 0.000+/-0.000 χ^2/NDF:2.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/24

All: 0.000+/-0.000 χ^2/NDF: 46.0/50

- sign 0.000+/-0.000 χ^2/NDF: 17.2/25

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:268383.9/8

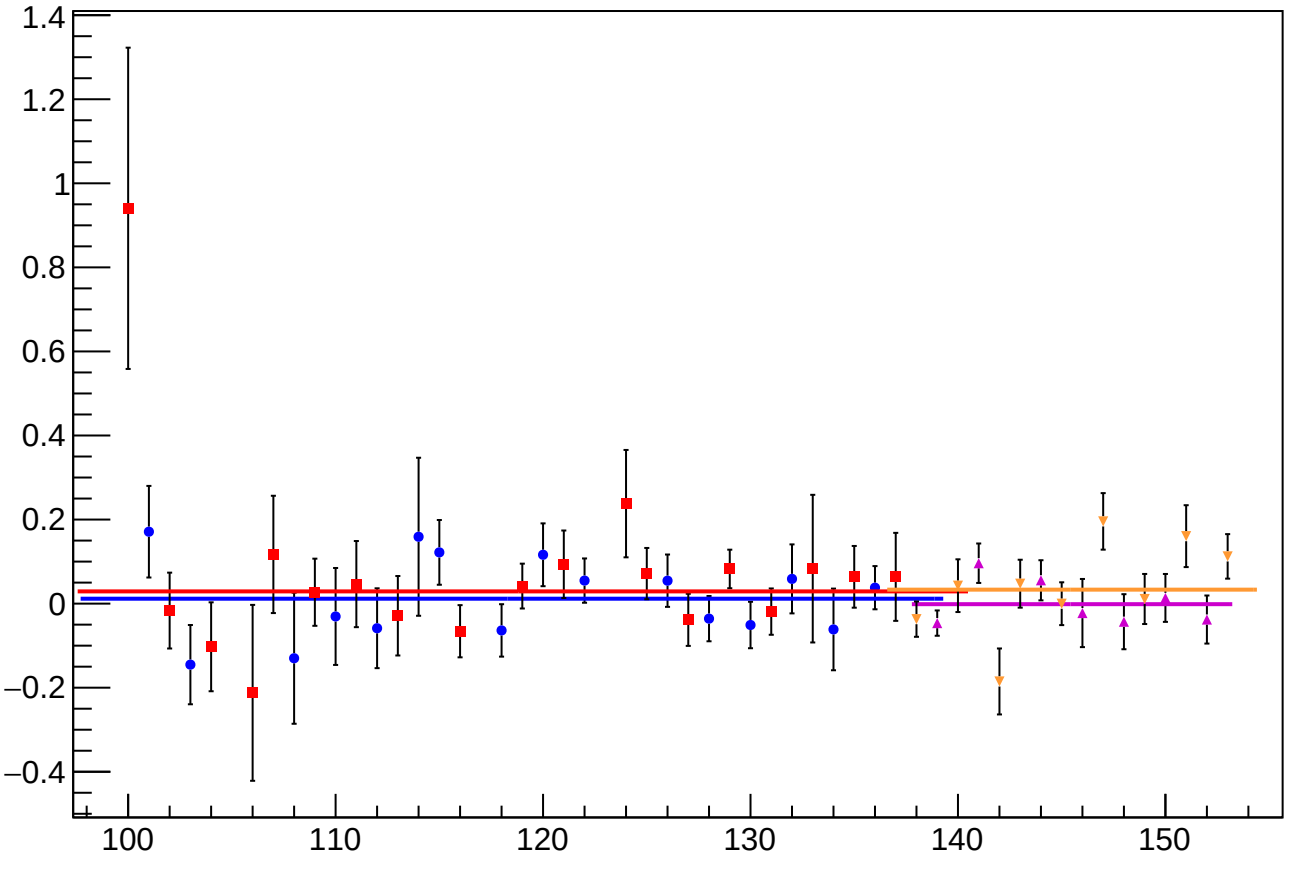
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:526330.1/6

+ sign 0.002+/-0.000 χ^2/NDF: 3716619.1/24

All: 0.002+/-0.000 χ^2/NDF: 7156086.7/50

- sign 0.002+/-0.000 χ^2/NDF: 3438808.5/25



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.033+/-0.019 χ^2/NDF:22.2/8

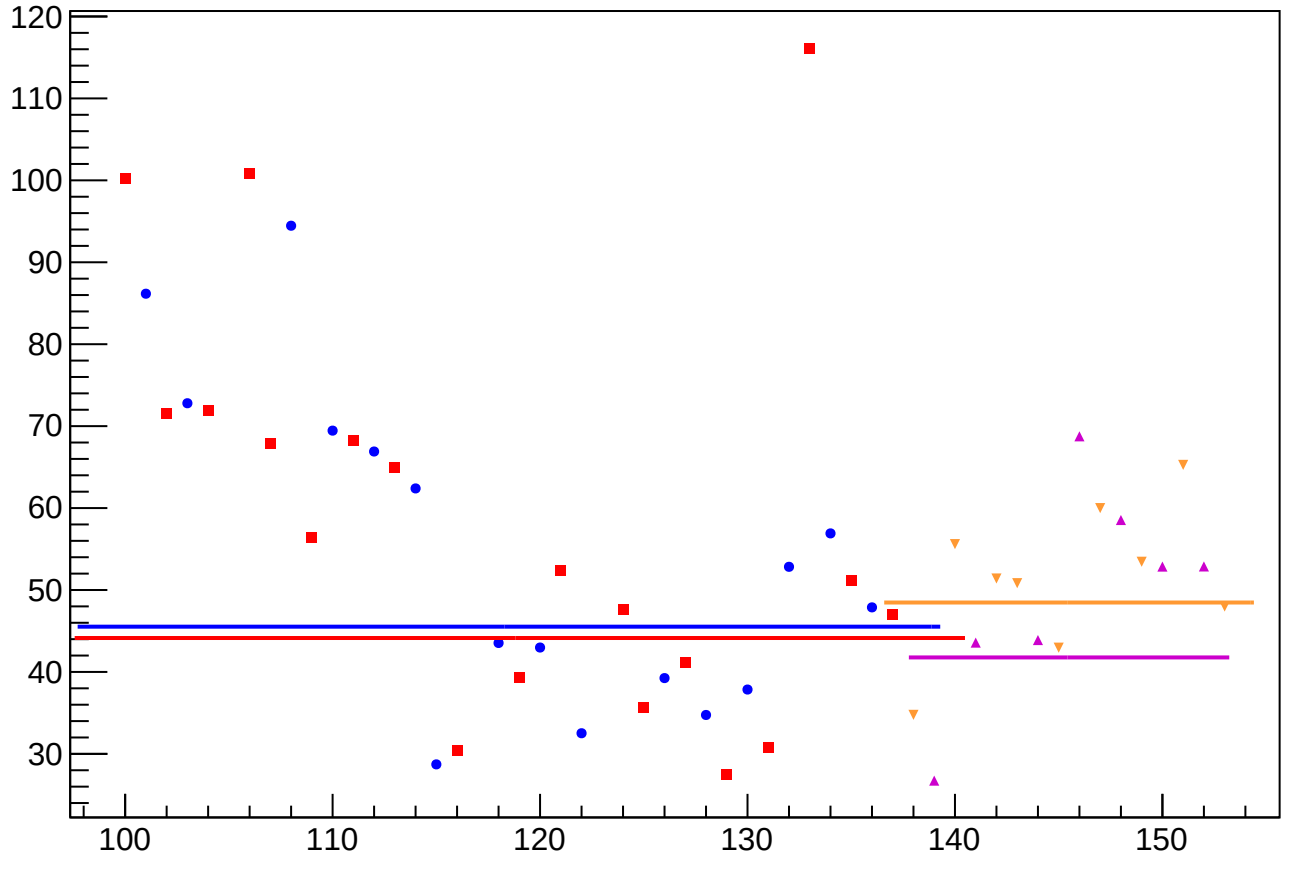
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.018 χ^2/NDF:8.9/6

+ sign 0.022+/-0.013 χ^2/NDF: 39.8/24

All: 0.018+/-0.009 χ^2/NDF: 69.8/50

- sign 0.014+/-0.013 χ^2/NDF: 29.9/25



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.473+/-0.014 χ^2/NDF:445293.1/8

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

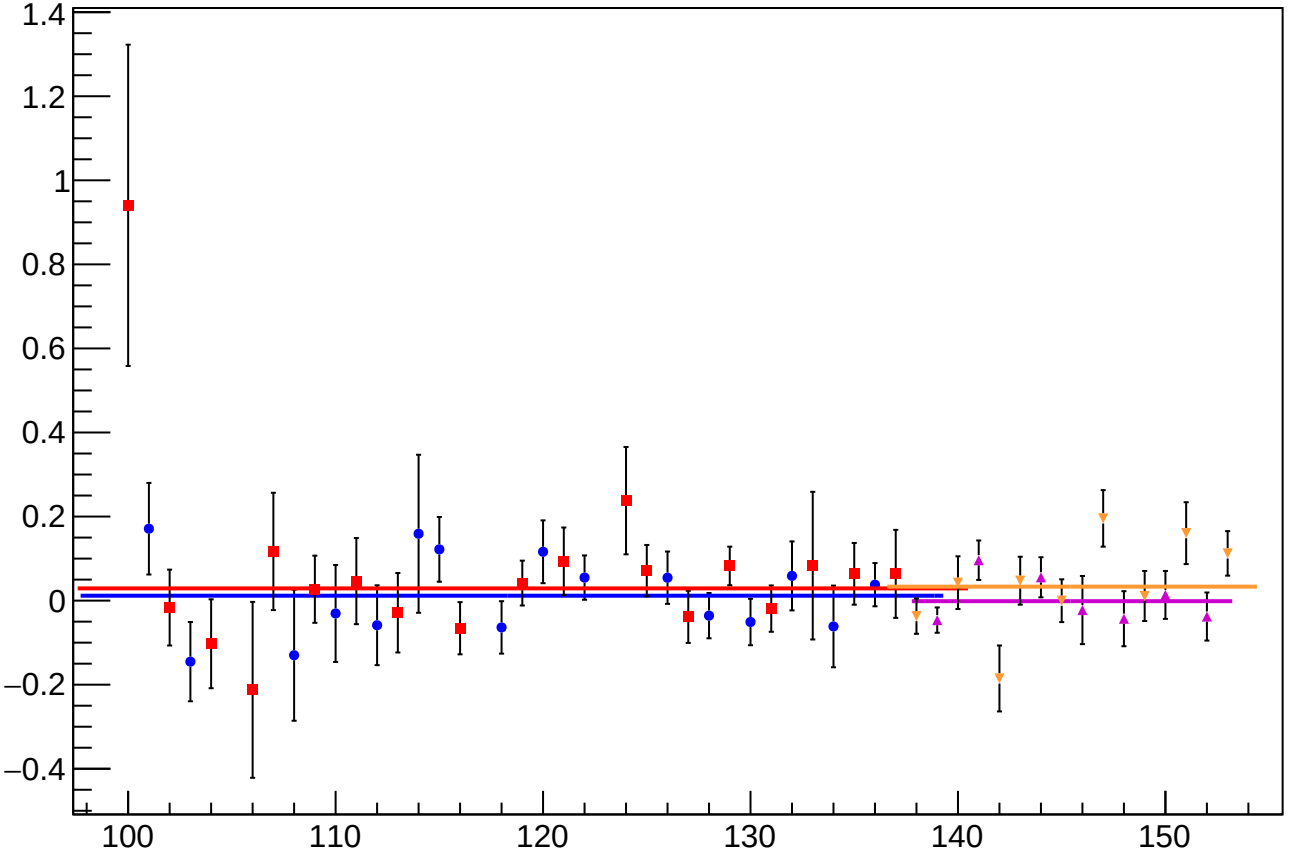
Left In: 41.770+/-0.013 χ^2/NDF:1009536.5/6

+ sign 46.932+/-0.009 χ^2/NDF: 1723942.7/24

All: 44.886+/-0.007 χ^2/NDF: 4586172.7/50

- sign 42.981+/-0.009 χ^2/NDF: 2770089.8/25

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.033+/-0.019 χ^2/NDF:22.2/8

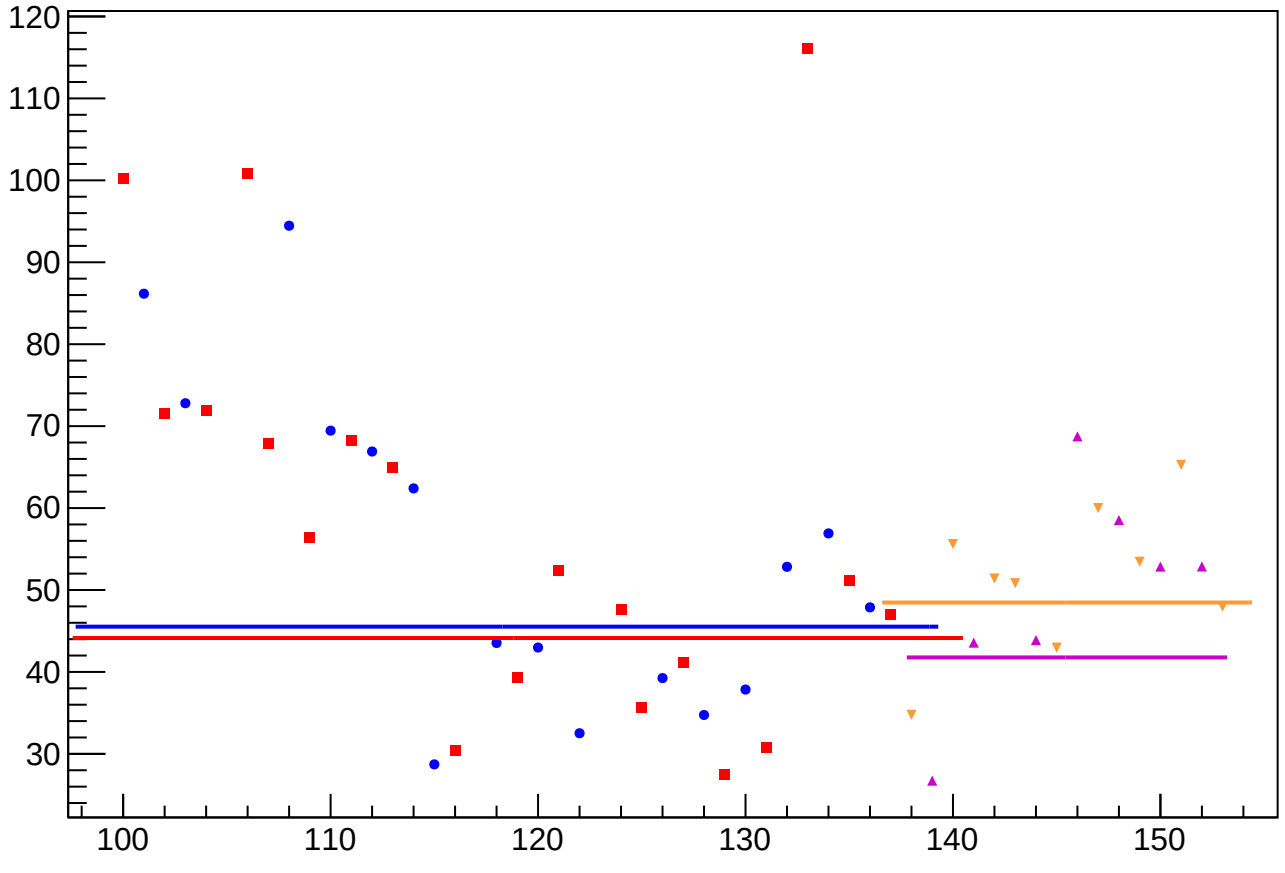
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.018 χ^2/NDF:8.9/6

+ sign 0.022+/-0.013 χ^2/NDF: 39.8/24

All: 0.018+/-0.009 χ^2/NDF: 69.8/50

- sign 0.014+/-0.013 χ^2/NDF: 29.9/25



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.473+/-0.014 χ^2/NDF:445293.1/8

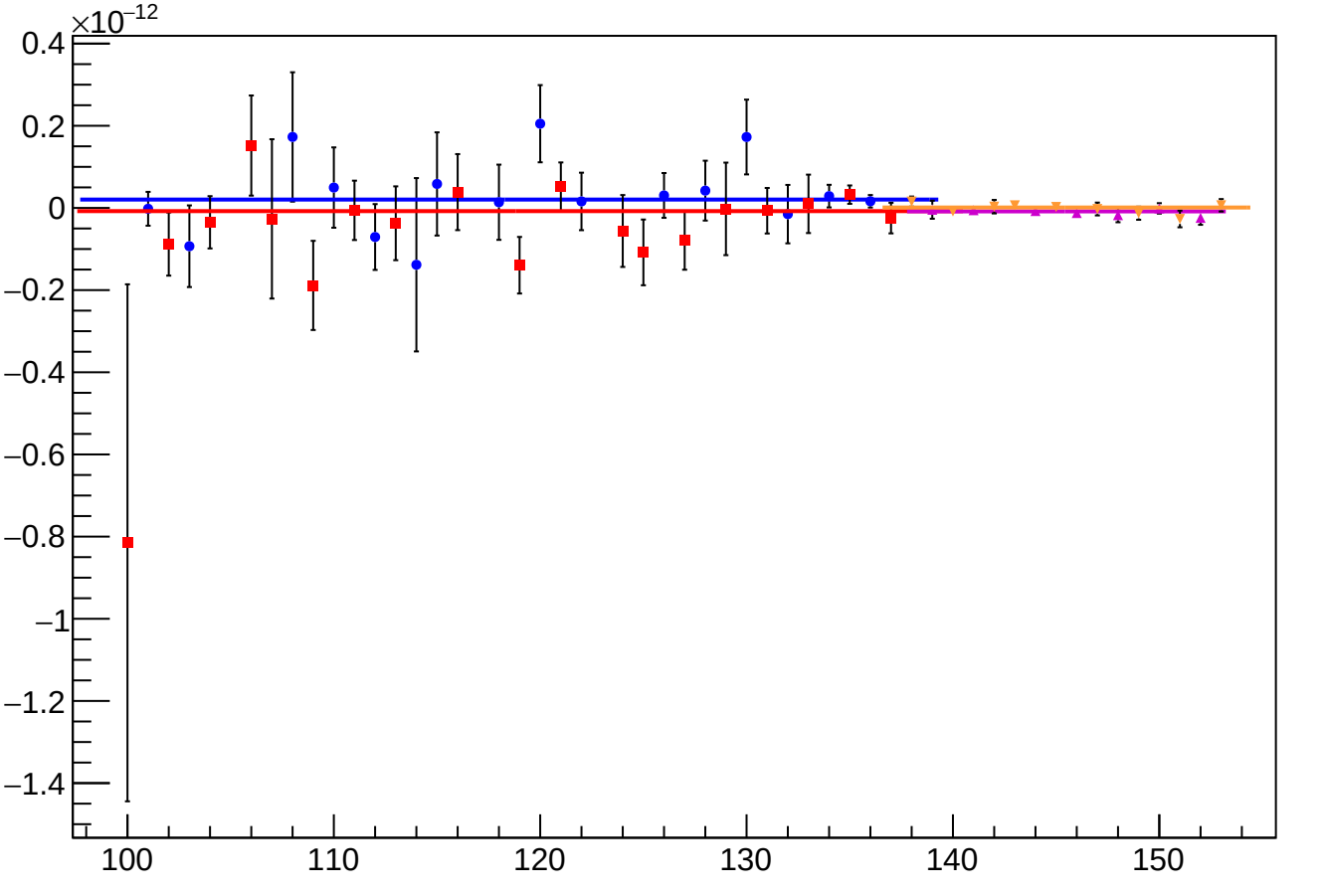
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

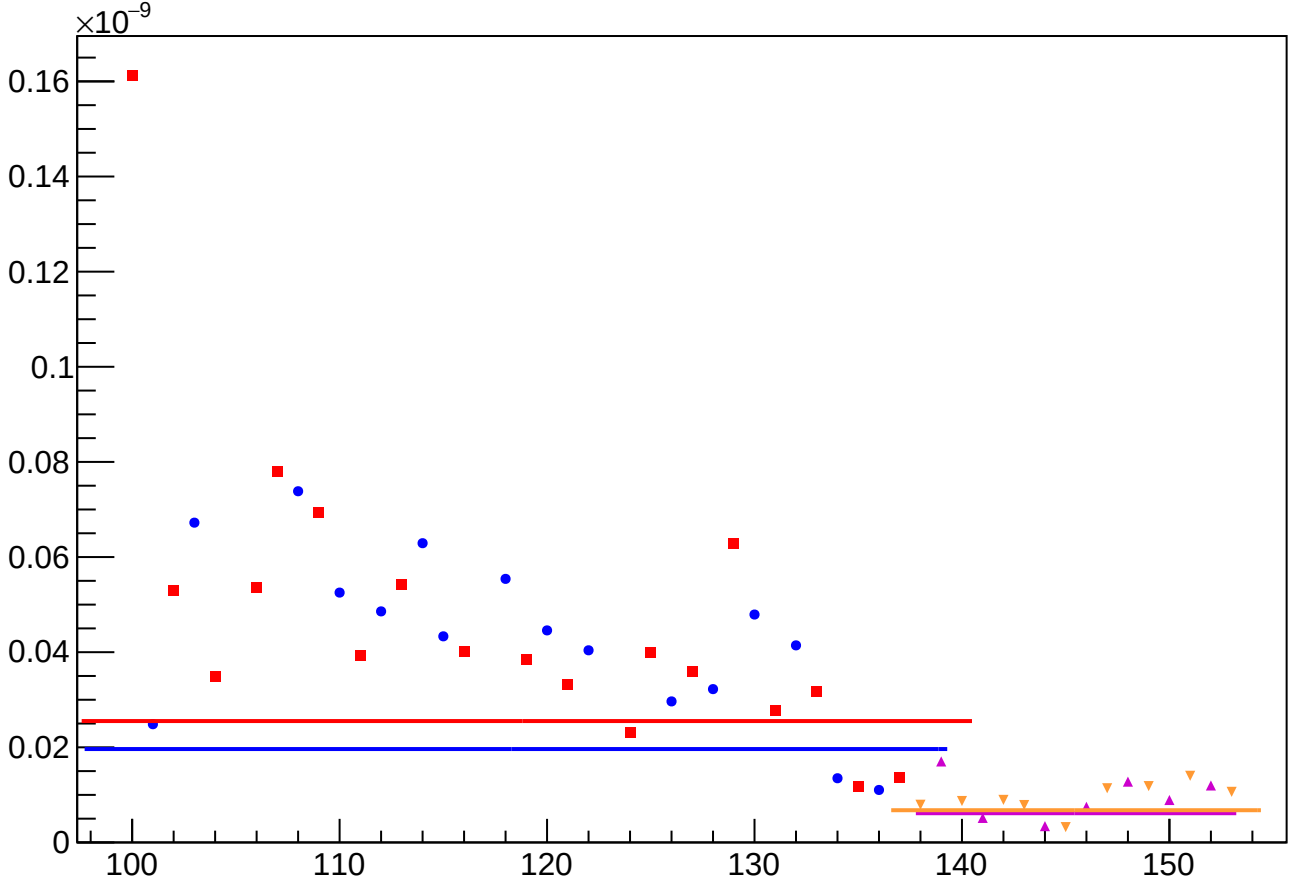
Left In: 41.770+/-0.013 χ^2/NDF:1009536.5/6

+ sign 46.932+/-0.009 χ^2/NDF: 1723942.7/24

All: 44.886+/-0.007 χ^2/NDF: 4586172.7/50

- sign 42.981+/-0.009 χ^2/NDF: 2770089.8/25


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:5.3/8
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/18
Left In: -0.000+/-0.000 χ²/NDF:1.8/6
+ sign 0.000+/-0.000 χ²/NDF: 19.7/24
All: -0.000+/-0.000 χ²/NDF: 45.3/50
- sign -0.000+/-0.000 χ²/NDF: 20.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1702996.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

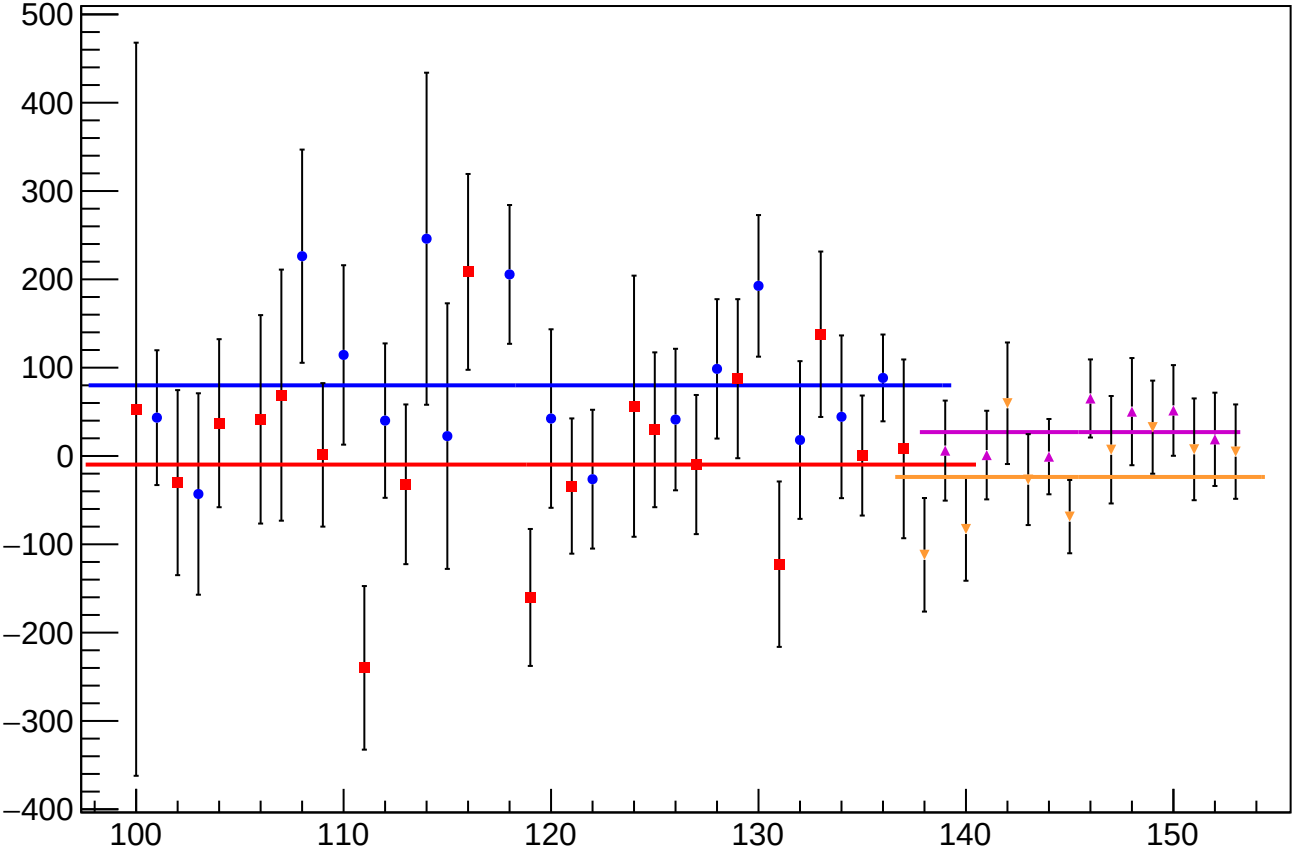
Left In: 0.000+/-0.000 χ^2/NDF:1623440.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 7333205.7/24

All: 0.000+/-0.000 χ^2/NDF: 15398822.5/50

- sign 0.000+/-0.000 χ^2/NDF: 8044874.8/25

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.740+/-18.306 χ^2/NDF:7.5/8

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

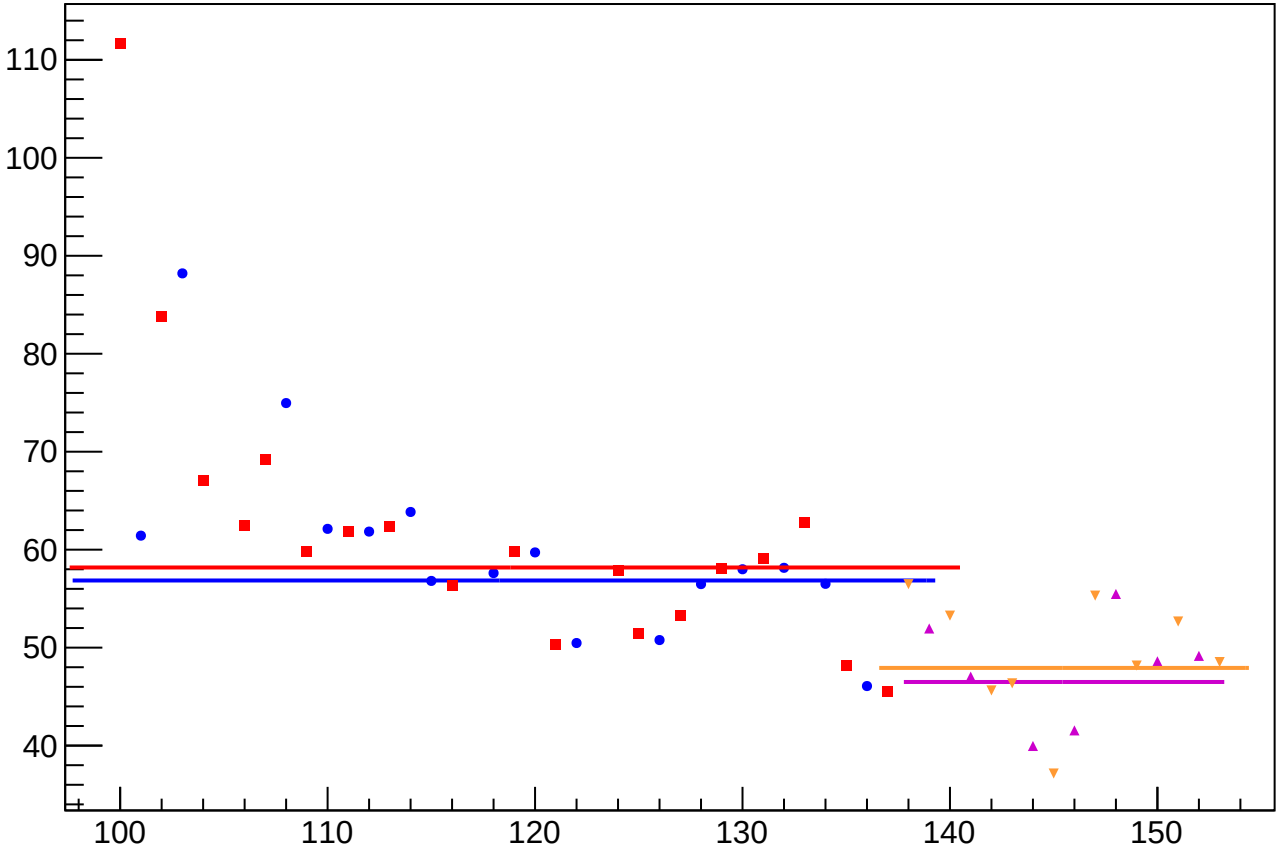
Left In: 27.039+/-18.966 χ^2/NDF:2.0/6

+ sign 19.916+/-13.931 χ^2/NDF: 32.6/24

All: 15.584+/-9.964 χ^2/NDF: 56.7/50

- sign 11.046+/-14.257 χ^2/NDF: 23.9/25

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.929+/-0.013 χ^2/NDF:234299.9/8

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

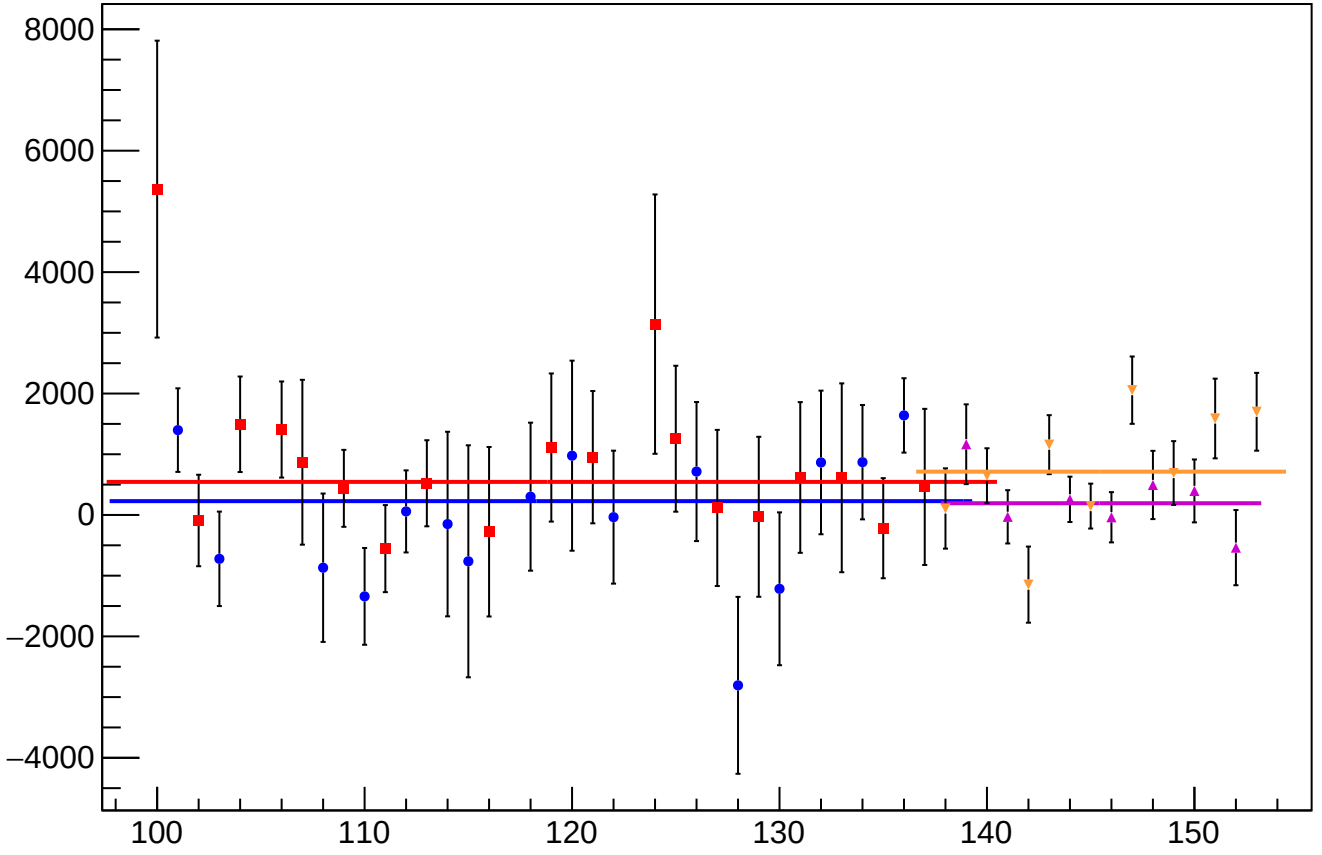
Left In: 46.494+/-0.013 χ^2/NDF:143081.5/6

+ sign 51.685+/-0.010 χ^2/NDF: 775976.1/24

All: 51.633+/-0.007 χ^2/NDF: 1564103.8/50

- sign 51.578+/-0.010 χ^2/NDF: 788069.2/25

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 713.328+/-174.333 χ^2/NDF:22.9/8

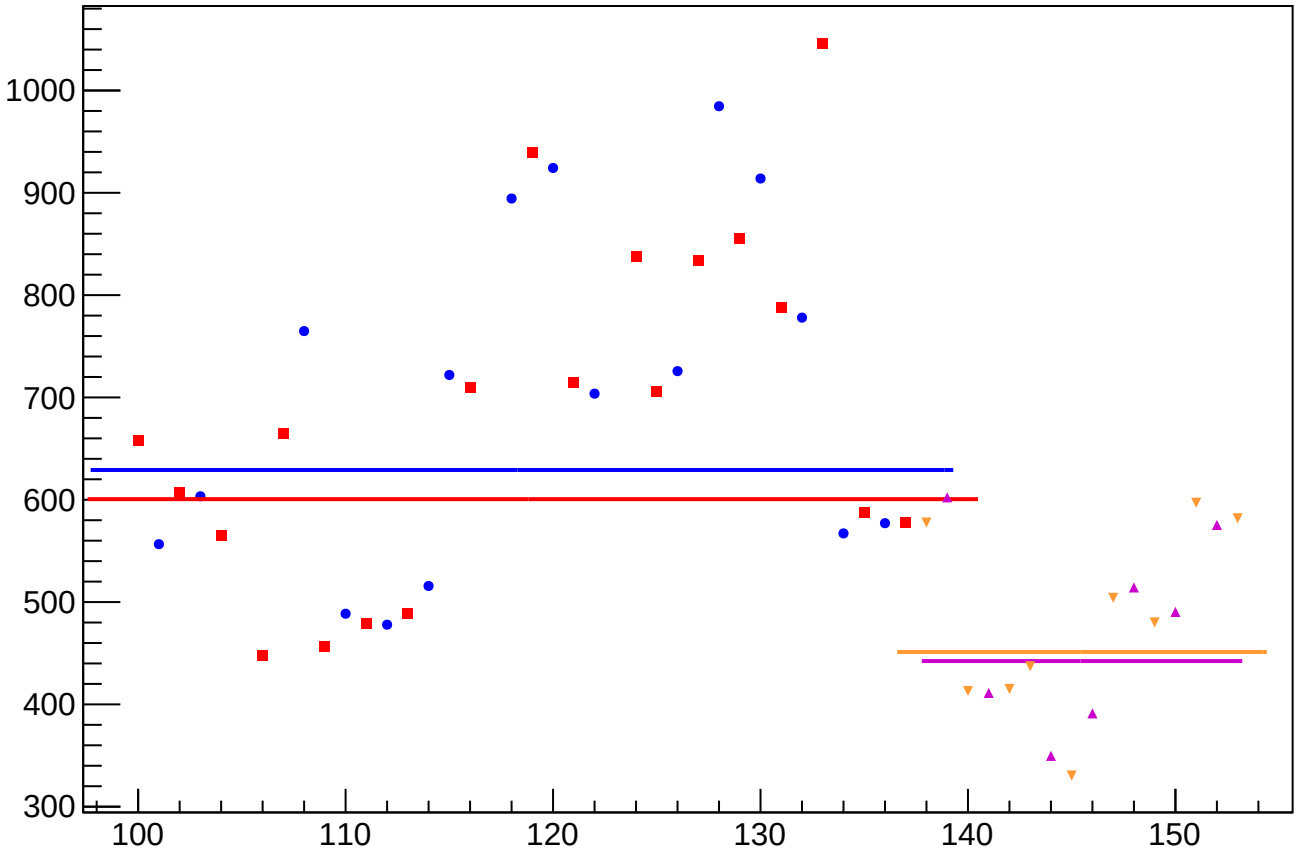
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 193.305+/-182.549 χ^2/NDF:4.6/6

\+ sign 546.646+/-141.296 χ^2/NDF: 47.2/24

All: 439.675+/-100.270 χ^2/NDF: 67.8/50

\- sign 331.155+/-142.316 χ^2/NDF: 19.5/25



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 451.261+/-0.123 χ^2/NDF:515223.9/8

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

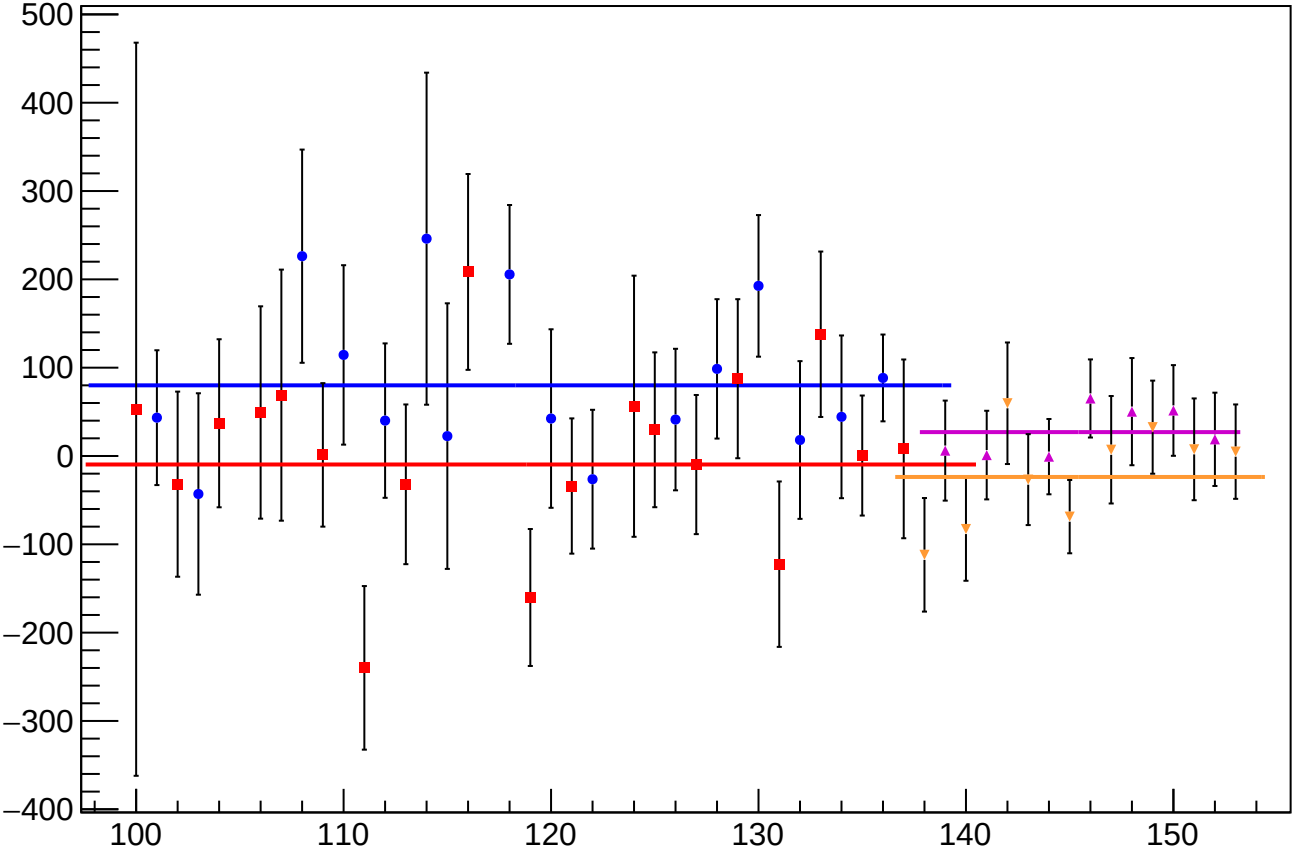
Left In: 442.329+/-0.129 χ^2/NDF:424579.8/6

+ sign 512.275+/-0.100 χ^2/NDF: 1921983.5/24

All: 508.368+/-0.071 χ^2/NDF: 3813865.8/50

- sign 504.403+/-0.101 χ^2/NDF: 1888800.5/25

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.746+/-18.306 χ^2/NDF:7.5/8

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

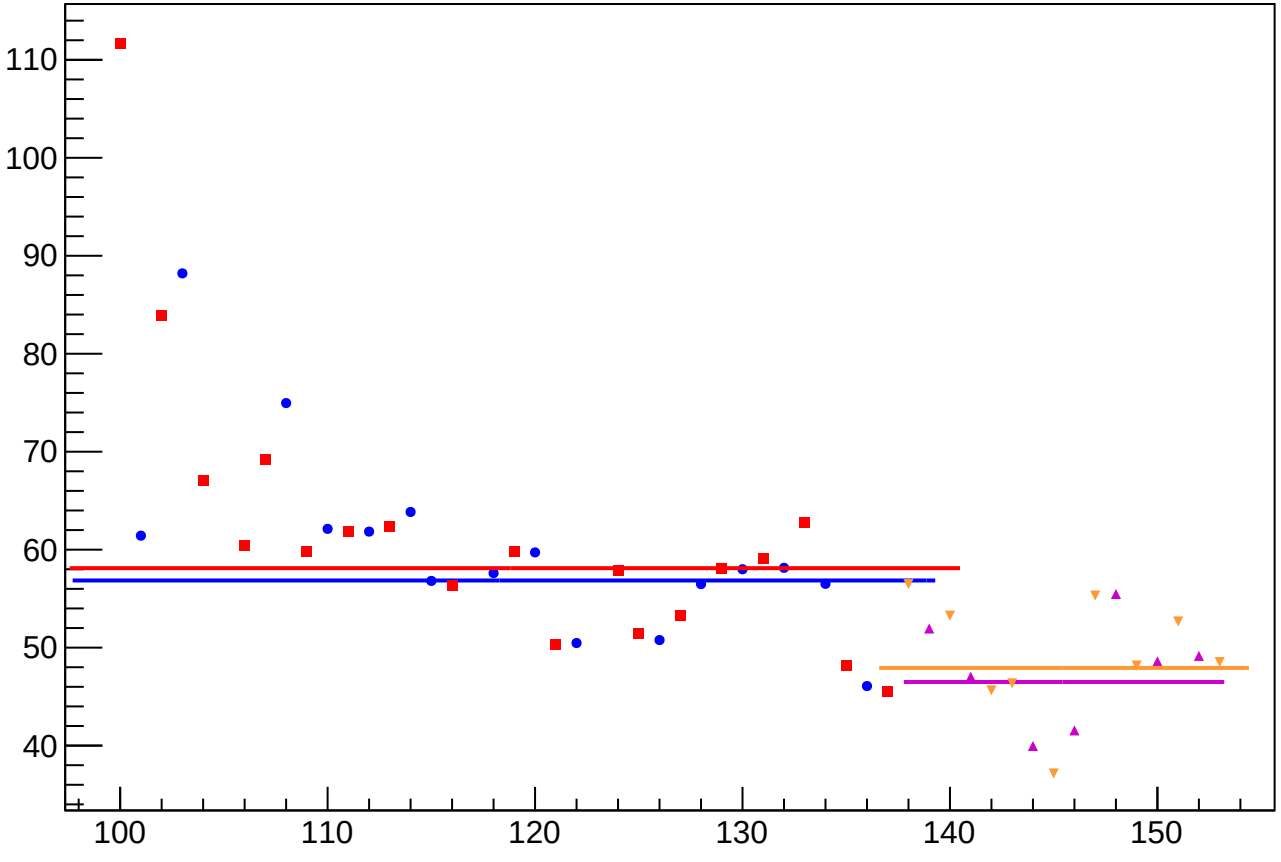
Left In: 27.043+/-18.966 χ^2/NDF:2.0/6

+ sign 19.915+/-13.931 χ^2/NDF: 32.6/24

All: 15.615+/-9.965 χ^2/NDF: 56.8/50

- sign 11.108+/-14.261 χ^2/NDF: 24.0/25

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.929+/-0.013 χ^2/NDF:234299.9/8

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

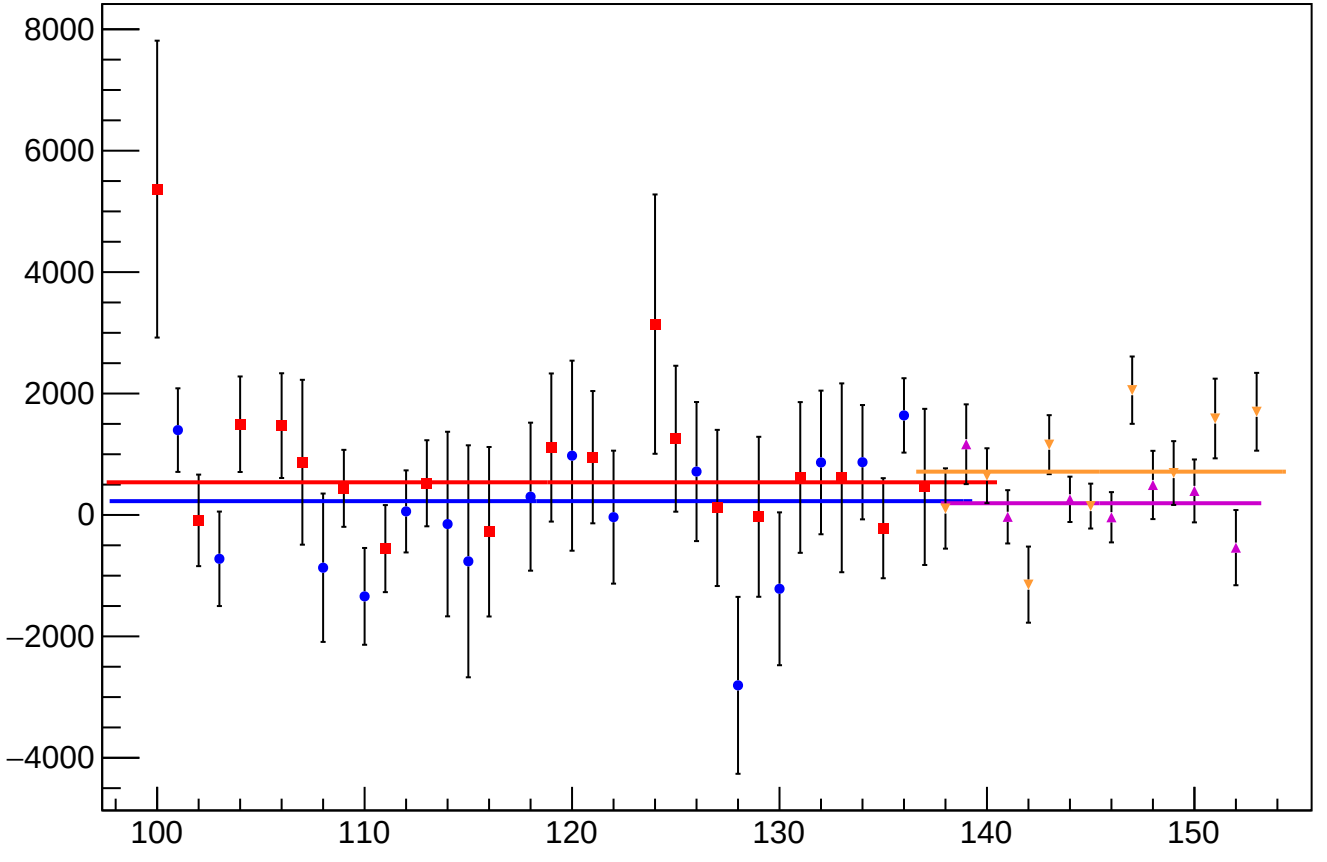
Left In: 46.494+/-0.013 χ^2/NDF:143081.5/6

+ sign 51.685+/-0.010 χ^2/NDF: 775980.0/24

All: 51.616+/-0.007 χ^2/NDF: 1558211.5/50

- sign 51.543+/-0.010 χ^2/NDF: 782129.8/25

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 713.324+/-174.333 χ^2/NDF:22.9/8

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

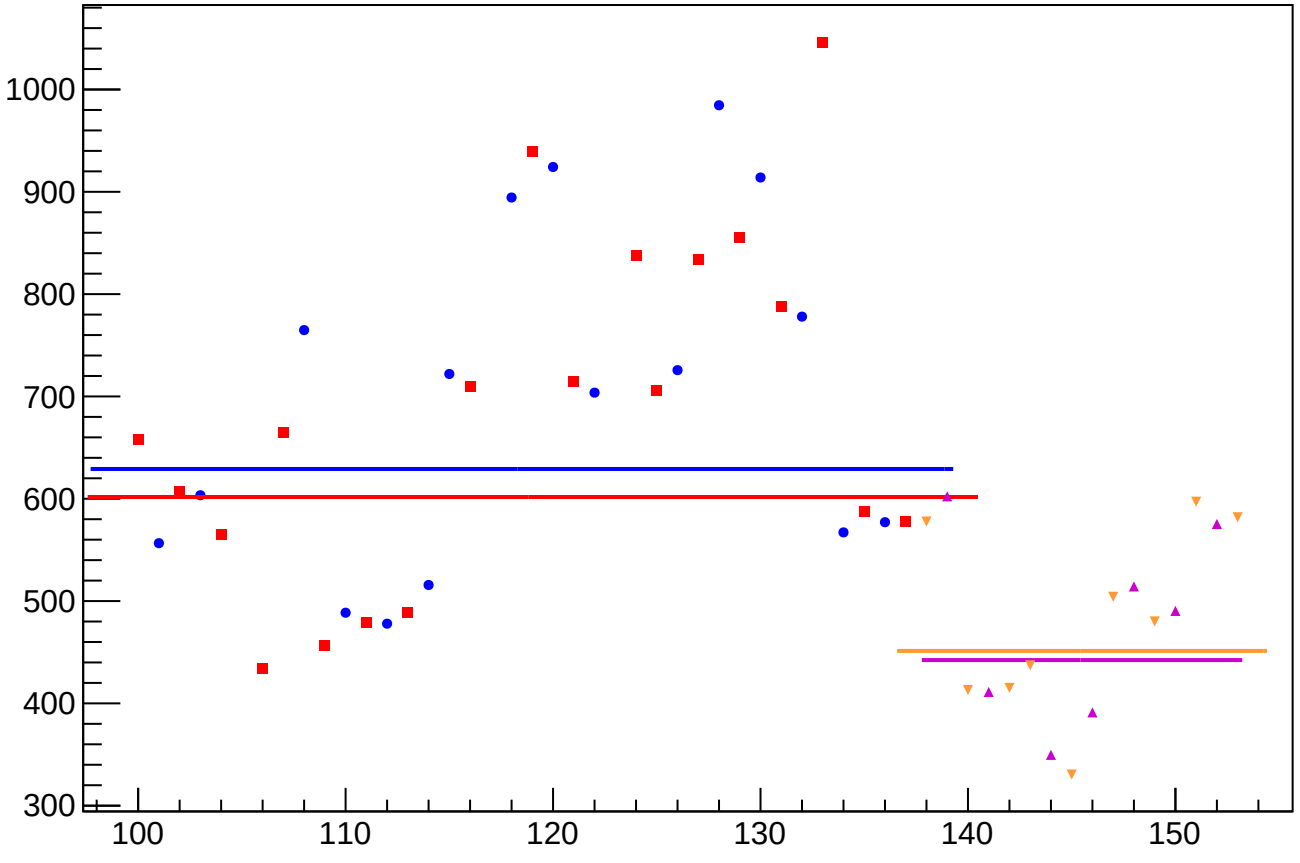
Left In: 193.310+/-182.549 χ^2/NDF:4.6/6

+ sign 546.658+/-141.296 χ^2/NDF: 47.2/24

All: 438.131+/-100.399 χ^2/NDF: 67.7/50

- sign 327.461+/-142.685 χ^2/NDF: 19.4/25

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 451.261+/-0.123 χ^2/NDF:515226.1/8

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

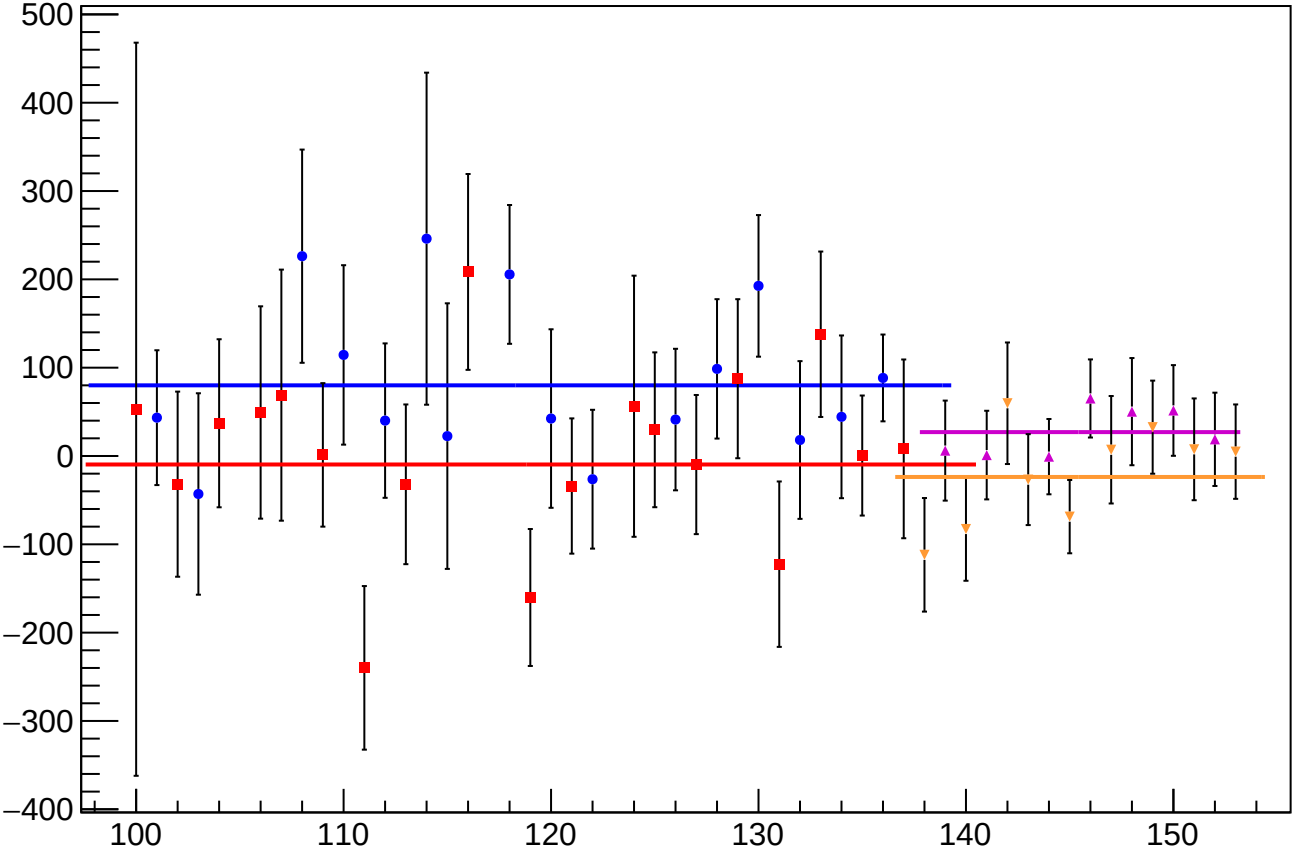
Left In: 442.330+/-0.129 χ^2/NDF:424579.4/6

+ sign 512.276+/-0.100 χ^2/NDF: 1922009.9/24

All: 508.348+/-0.071 χ^2/NDF: 3816975.9/50

- sign 504.342+/-0.101 χ^2/NDF: 1891843.8/25

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.746+/-18.306 χ^2/NDF:7.5/8

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

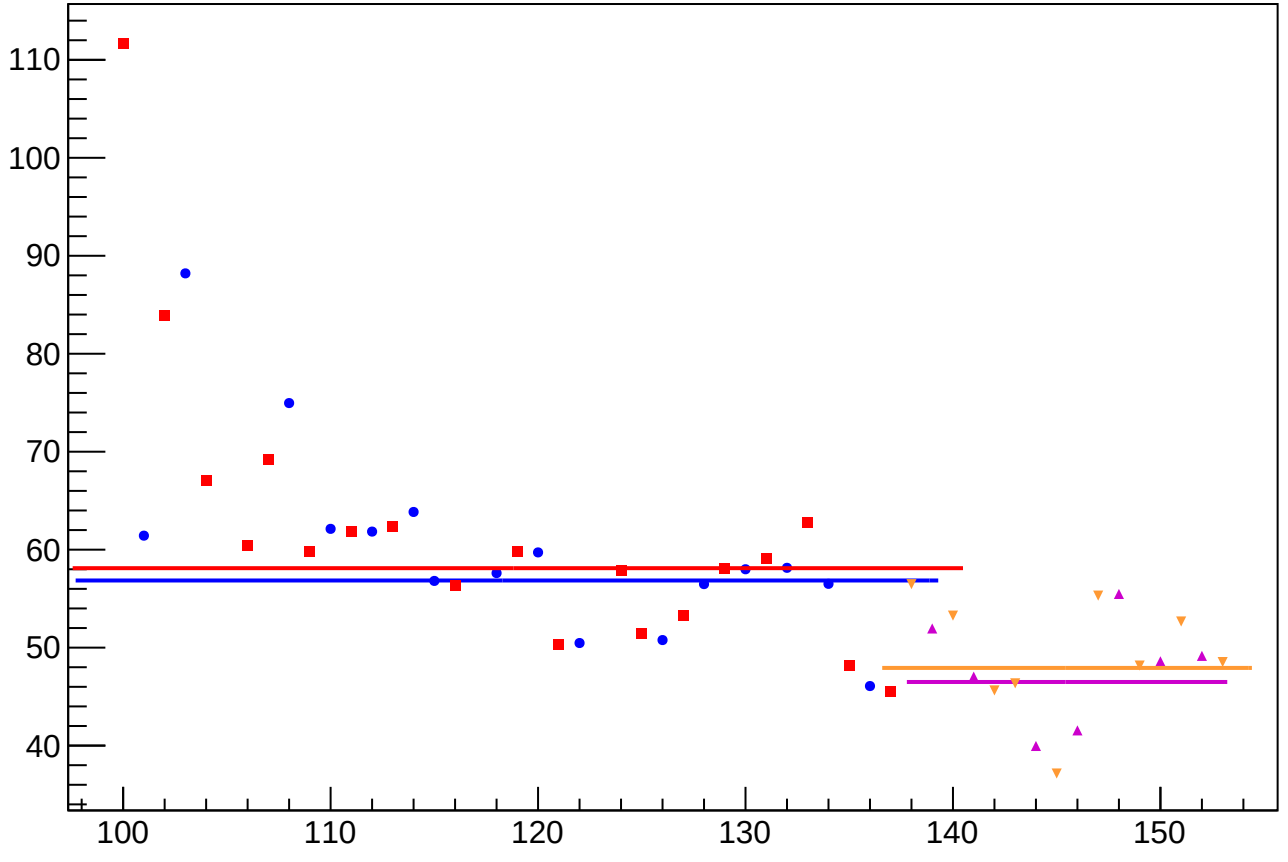
Left In: 27.043+/-18.966 χ^2/NDF:2.0/6

+ sign 19.915+/-13.931 χ^2/NDF: 32.6/24

All: 15.615+/-9.965 χ^2/NDF: 56.8/50

- sign 11.108+/-14.261 χ^2/NDF: 24.0/25

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.929+/-0.013 χ^2/NDF:234299.9/8

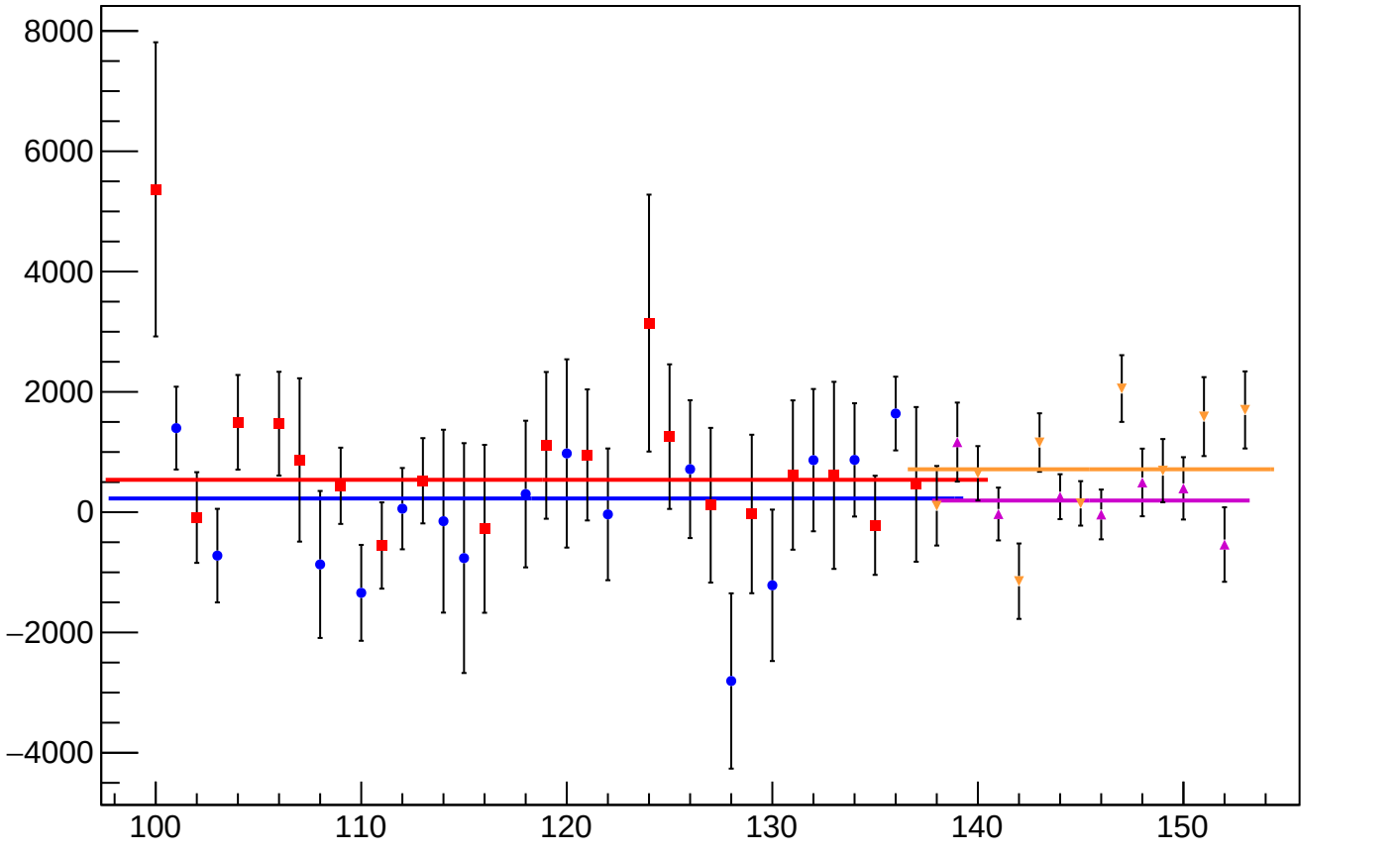
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.494+/-0.013 χ^2/NDF:143081.5/6

+ sign 51.685+/-0.010 χ^2/NDF: 775980.0/24

All: 51.616+/-0.007 χ^2/NDF: 1558211.5/50

- sign 51.543+/-0.010 χ^2/NDF: 782129.8/25



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 713.324+/-174.333 χ^2/NDF:22.9/8

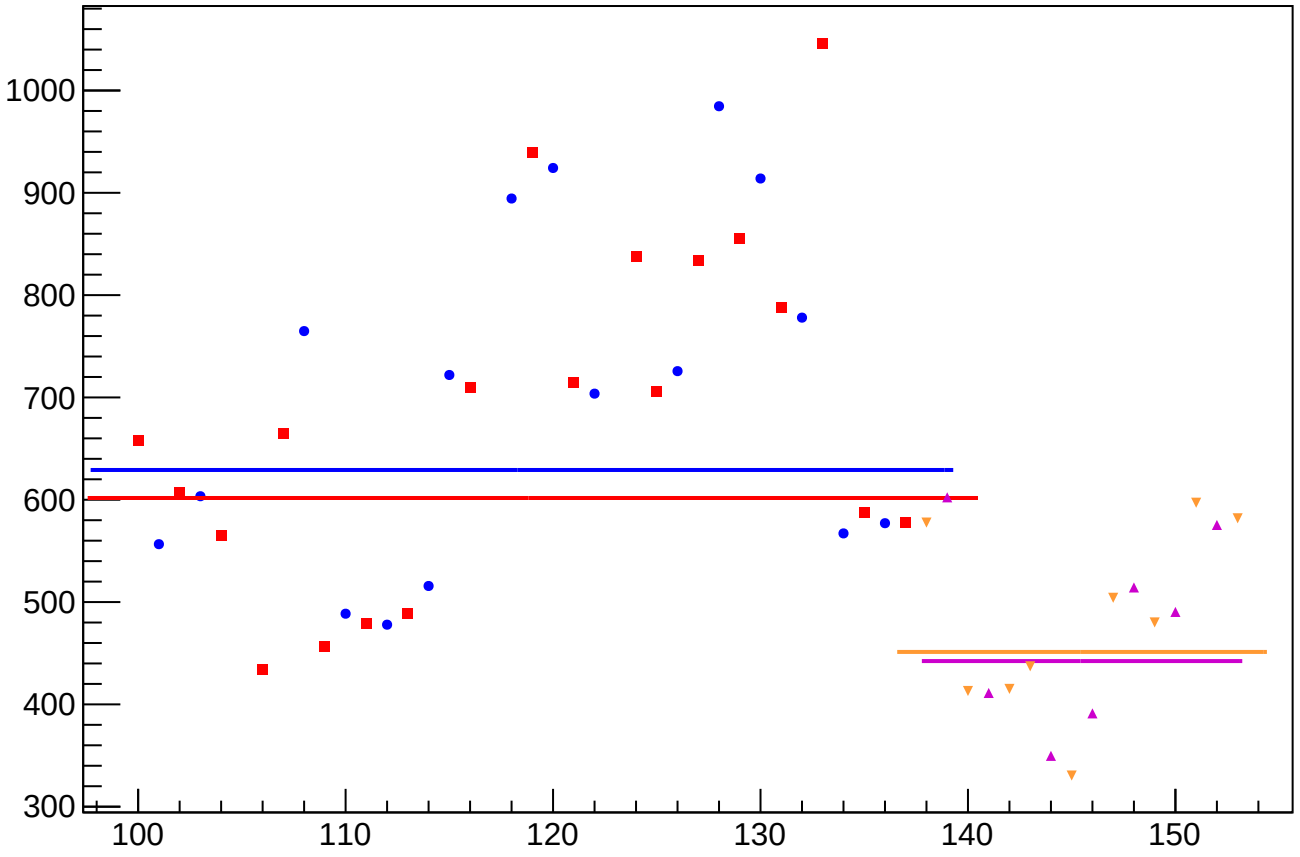
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 193.310+/-182.549 χ^2/NDF:4.6/6

+ sign 546.658+/-141.296 χ^2/NDF: 47.2/24

All: 438.131+/-100.399 χ^2/NDF: 67.7/50

- sign 327.461+/-142.685 χ^2/NDF: 19.4/25



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 451.261+/-0.123 χ^2/NDF:515226.1/8

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

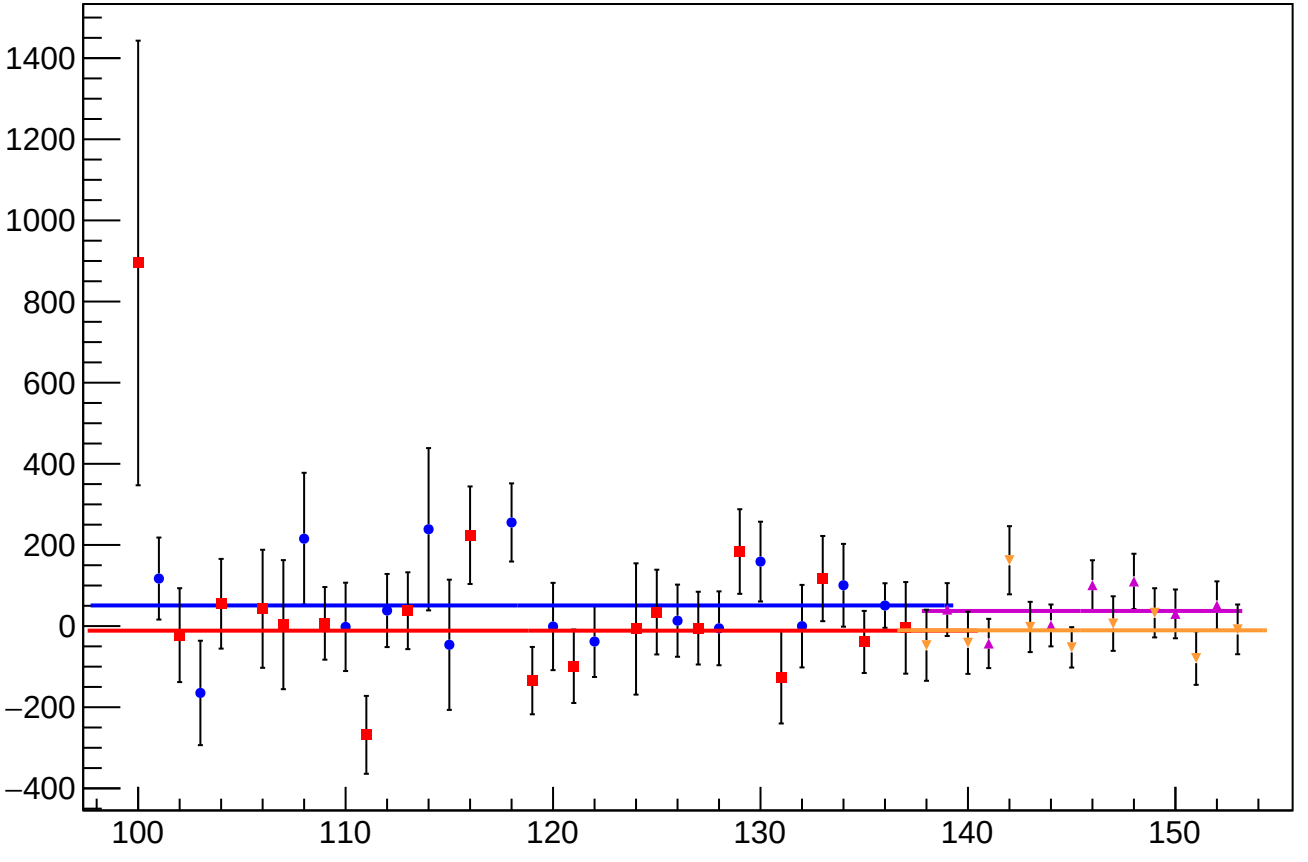
Left In: 442.330+/-0.129 χ^2/NDF:424579.4/6

+ sign 512.276+/-0.100 χ^2/NDF: 1922009.9/24

All: 508.348+/-0.071 χ^2/NDF: 3816975.9/50

- sign 504.342+/-0.101 χ^2/NDF: 1891843.8/25

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.445+/-21.847 χ^2/NDF:6.9/8

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

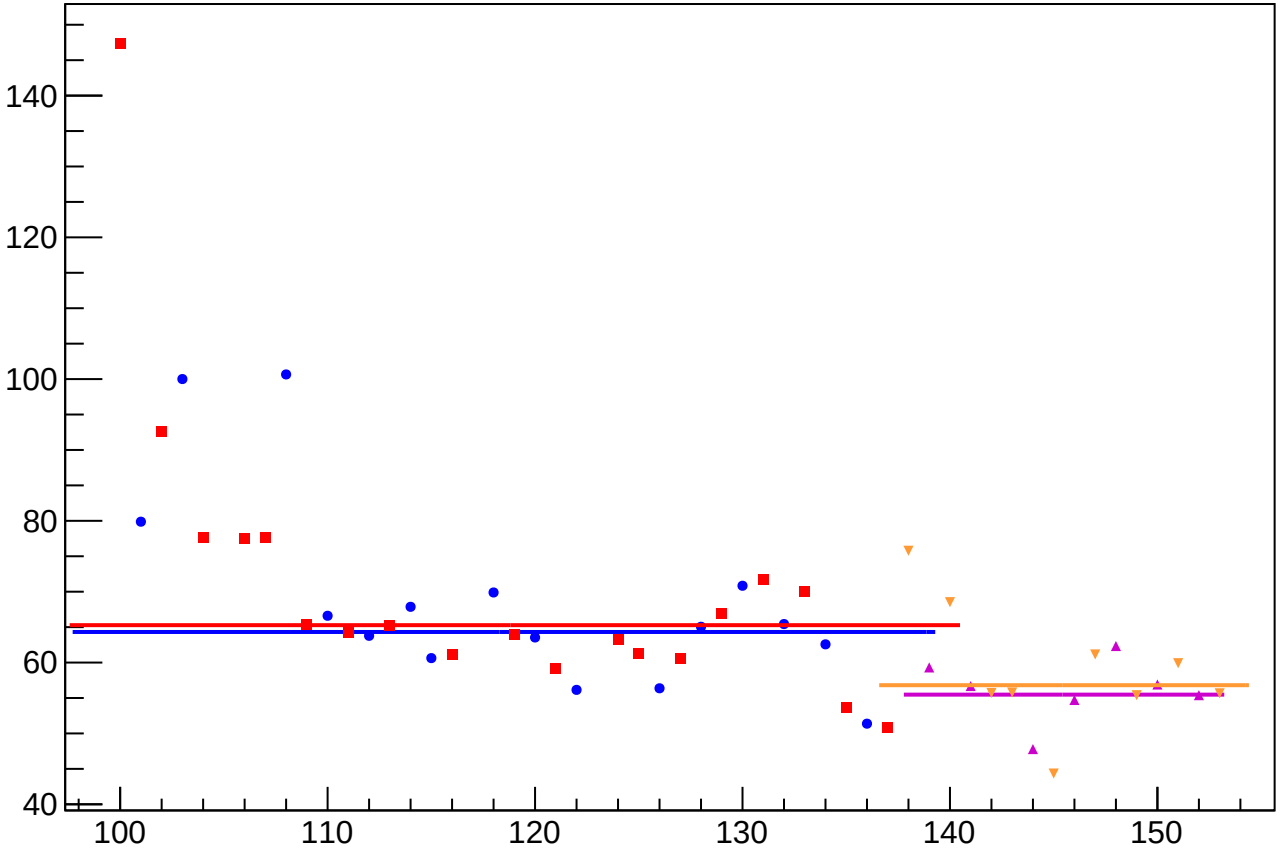
Left In: 37.305+/-22.811 χ^2/NDF:4.5/6

+ sign 16.720+/-16.304 χ^2/NDF: 24.2/24

All: 15.672+/-11.645 χ^2/NDF: 54.9/50

- sign 14.580+/-16.639 χ^2/NDF: 30.6/25

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.806+/-0.015 χ^2/NDF:281296.4/8

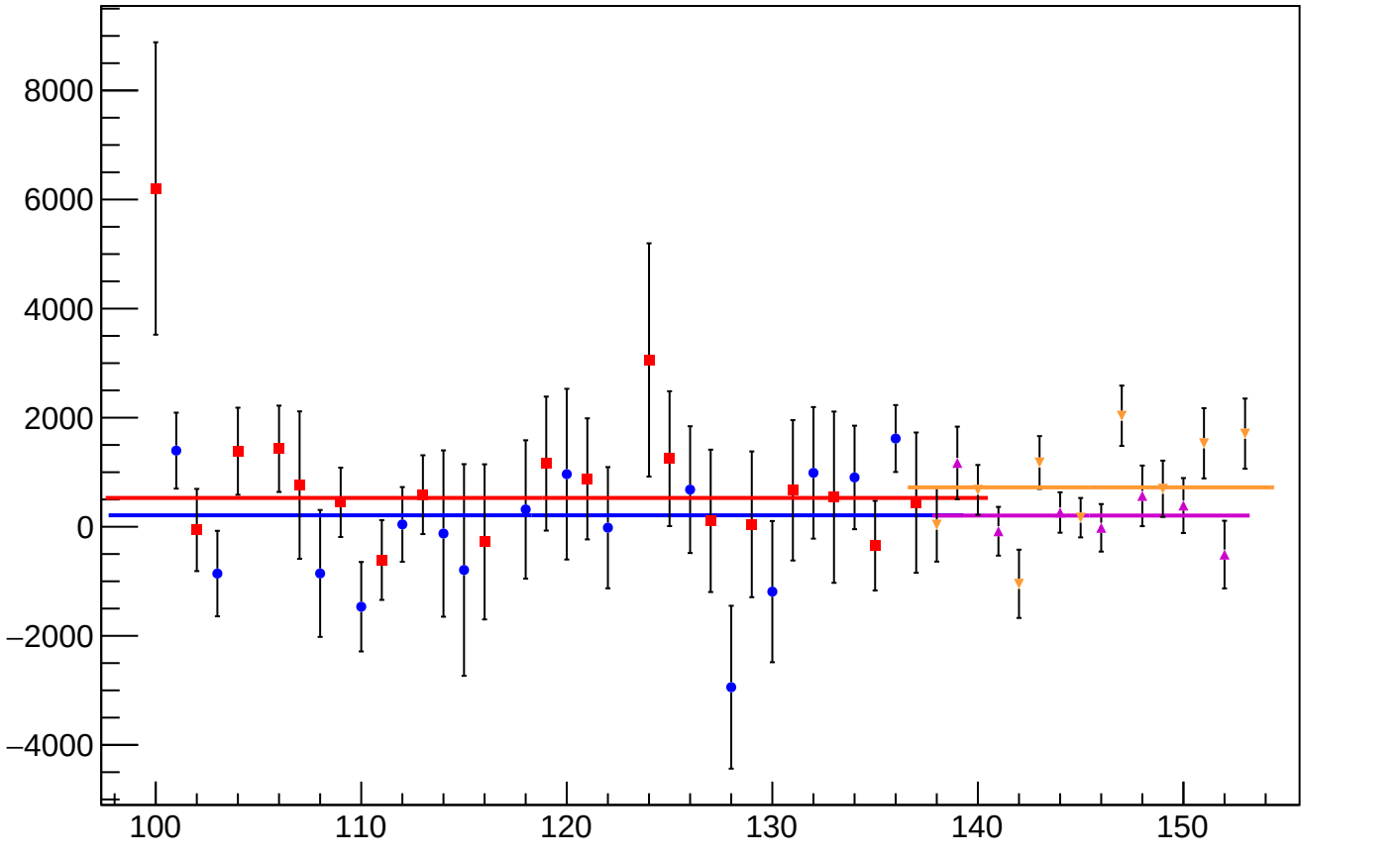
Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.474+/-0.016 χ^2/NDF:73726.8/6

+ sign 60.134+/-0.012 χ^2/NDF: 850993.2/24

All: 60.098+/-0.008 χ^2/NDF: 1416733.3/50

- sign 60.061+/-0.012 χ^2/NDF: 565720.5/25



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 722.492+/-173.263 χ^2/NDF:21.8/8

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

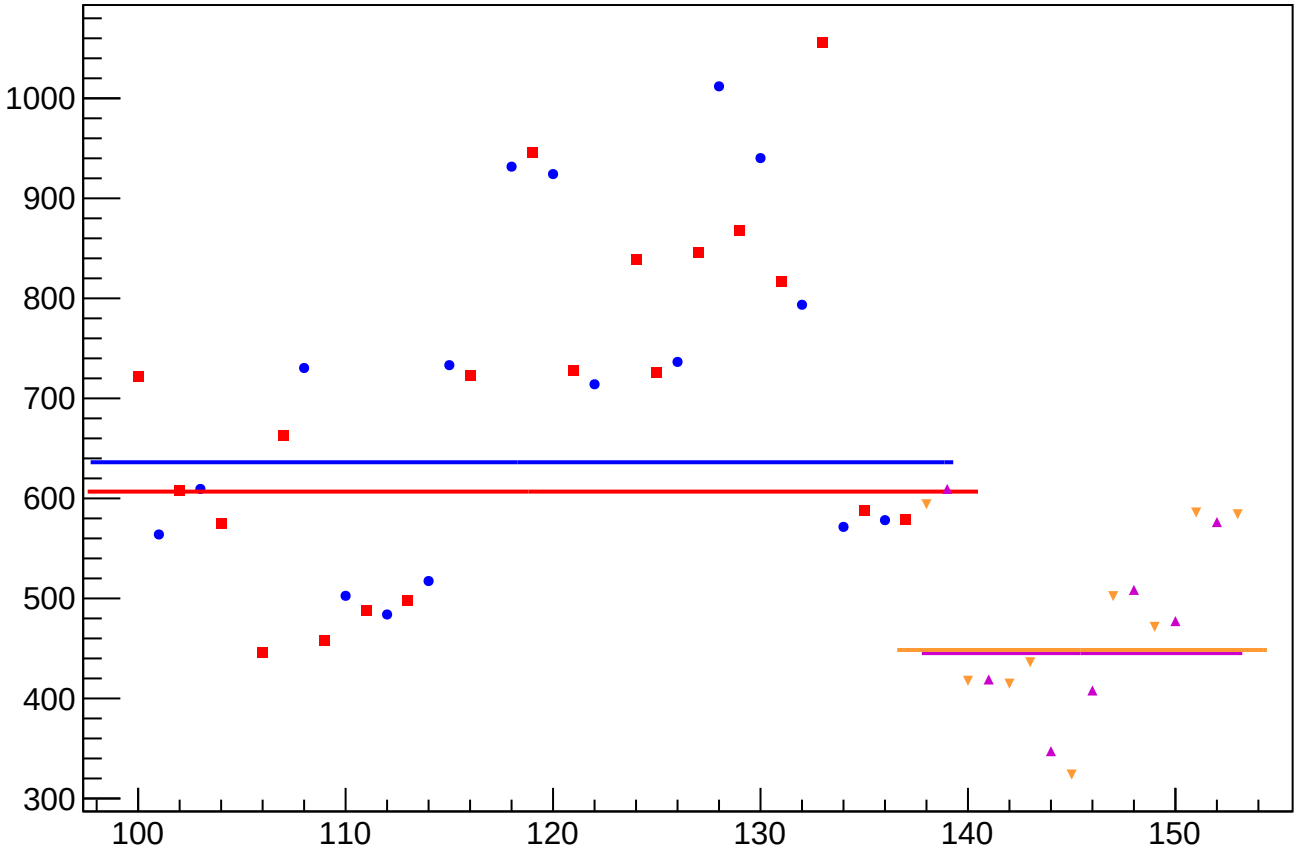
Left In: 205.376+/-183.831 χ^2/NDF:4.7/6

+ sign 550.517+/-141.230 χ^2/NDF: 47.2/24

All: 442.827+/-100.665 χ^2/NDF: 68.1/50

- sign 331.615+/-143.521 χ^2/NDF: 19.7/25

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 448.453+/-0.123 χ^2/NDF:549046.2/8

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

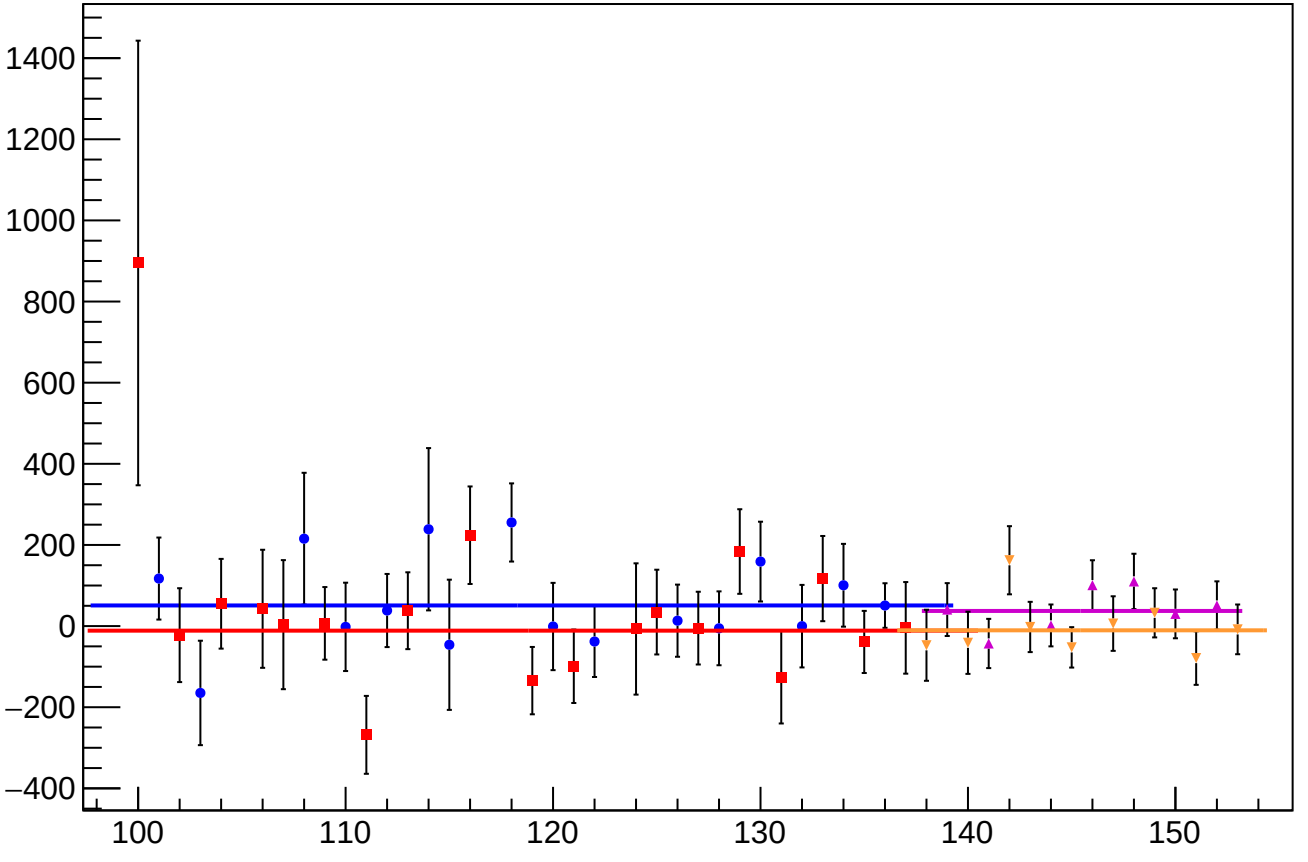
Left In: 445.330+/-0.130 χ^2/NDF:406707.1/6

+ sign 511.438+/-0.100 χ^2/NDF: 2041880.2/24

All: 509.934+/-0.071 χ^2/NDF: 3945461.4/50

- sign 508.381+/-0.101 χ^2/NDF: 1903120.1/25

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.445+/-21.847 χ^2/NDF:6.9/8

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

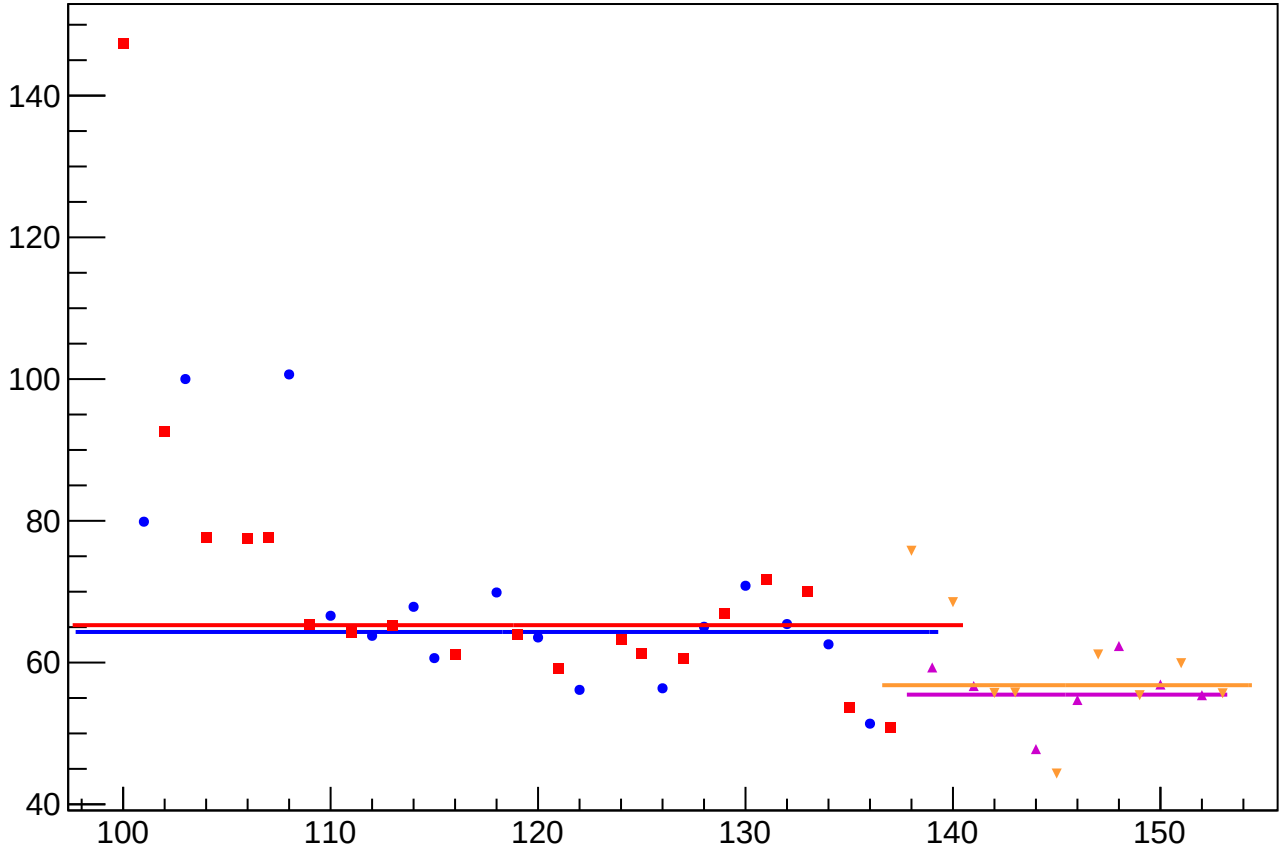
Left In: 37.305+/-22.811 χ^2/NDF:4.5/6

+ sign 16.720+/-16.304 χ^2/NDF: 24.2/24

All: 15.672+/-11.645 χ^2/NDF: 54.9/50

- sign 14.580+/-16.639 χ^2/NDF: 30.6/25

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.806+/-0.015 χ^2/NDF:281282.8/8

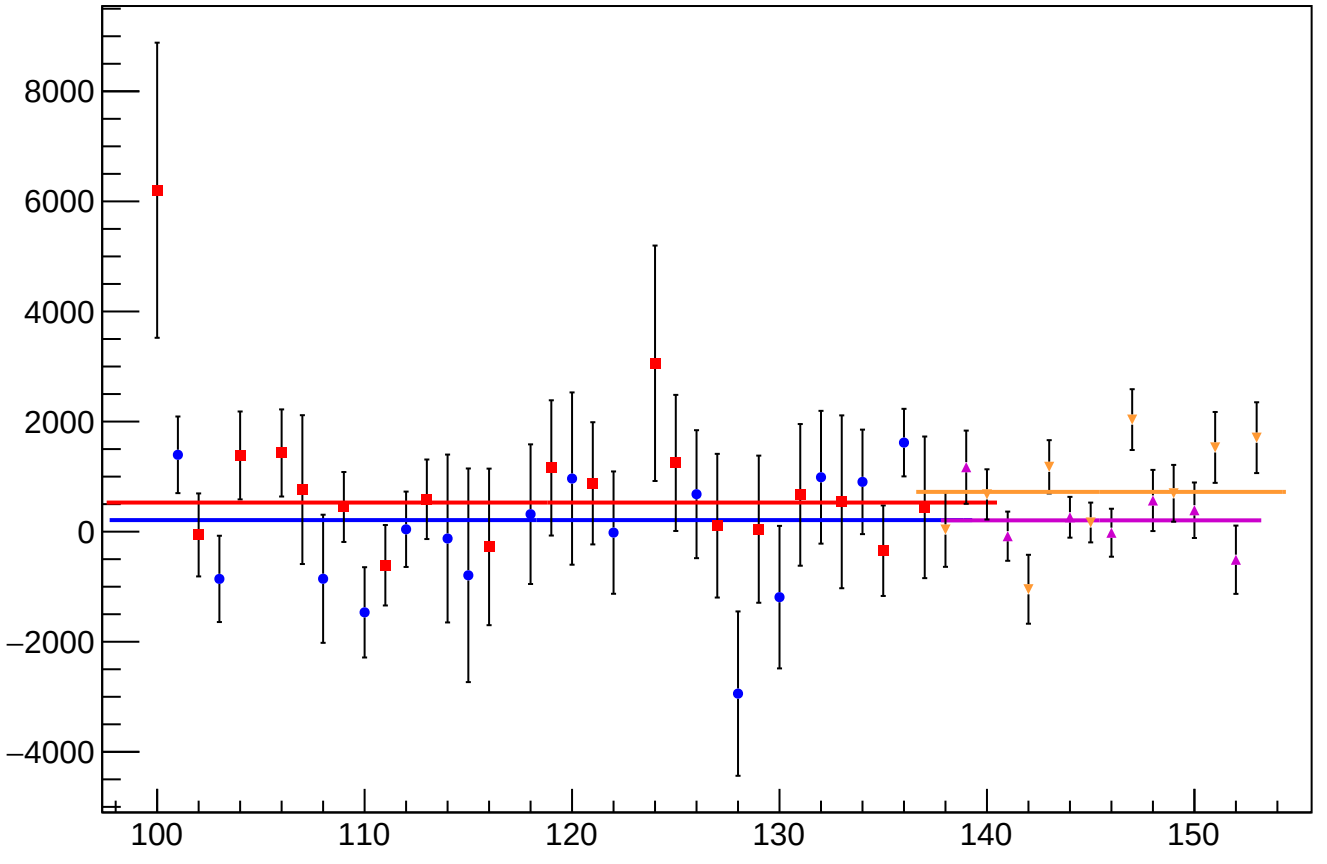
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.474+/-0.016 χ^2/NDF:73721.9/6

+ sign 60.134+/-0.012 χ^2/NDF: 850971.7/24

All: 60.098+/-0.008 χ^2/NDF: 1416703.4/50

- sign 60.061+/-0.012 χ^2/NDF: 565712.1/25



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 722.490+/-173.262 χ^2/NDF:21.8/8

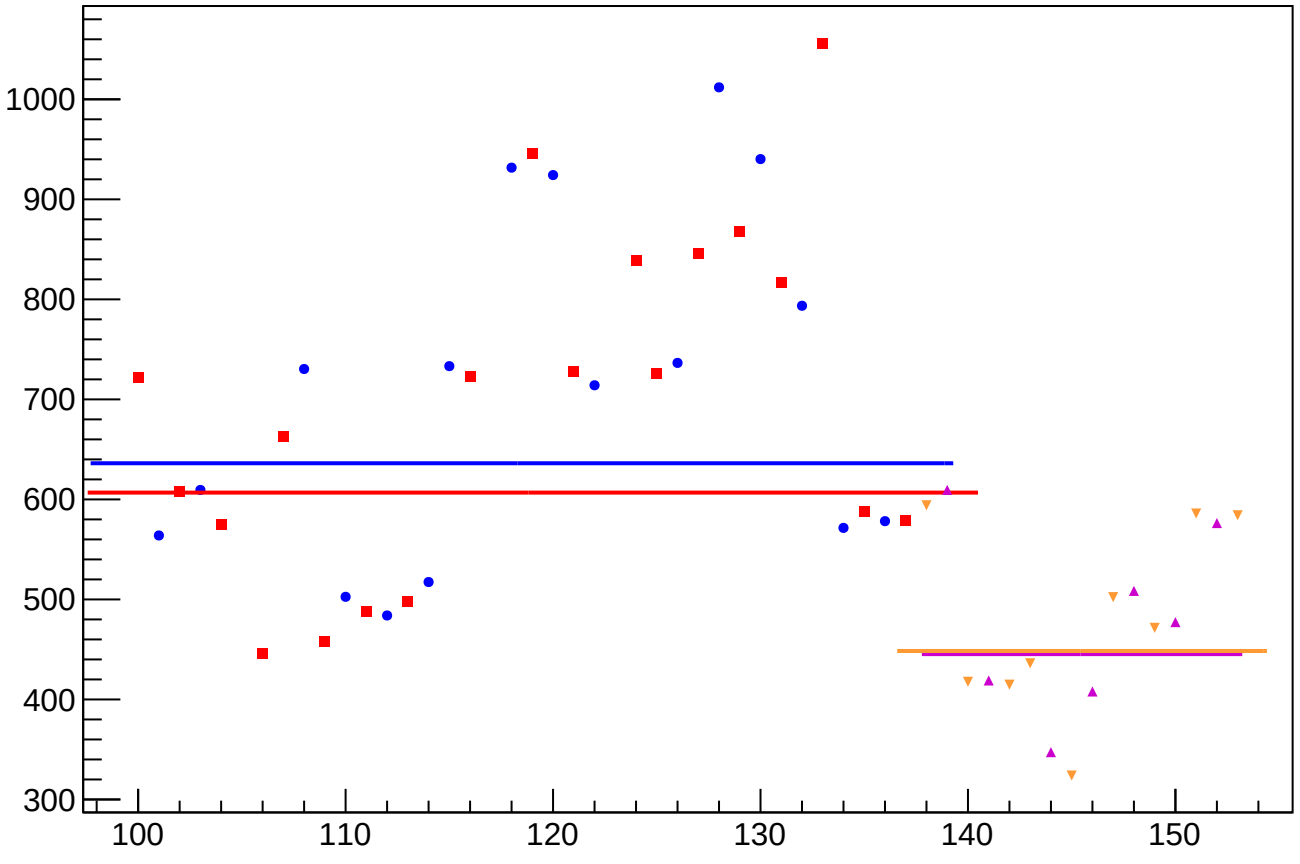
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 205.376+/-183.830 χ^2/NDF:4.7/6

+ sign 550.516+/-141.230 χ^2/NDF: 47.2/24

All: 442.826+/-100.665 χ^2/NDF: 68.1/50

- sign 331.614+/-143.521 χ^2/NDF: 19.7/25



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 448.452+/-0.123 χ^2/NDF:549051.8/8

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

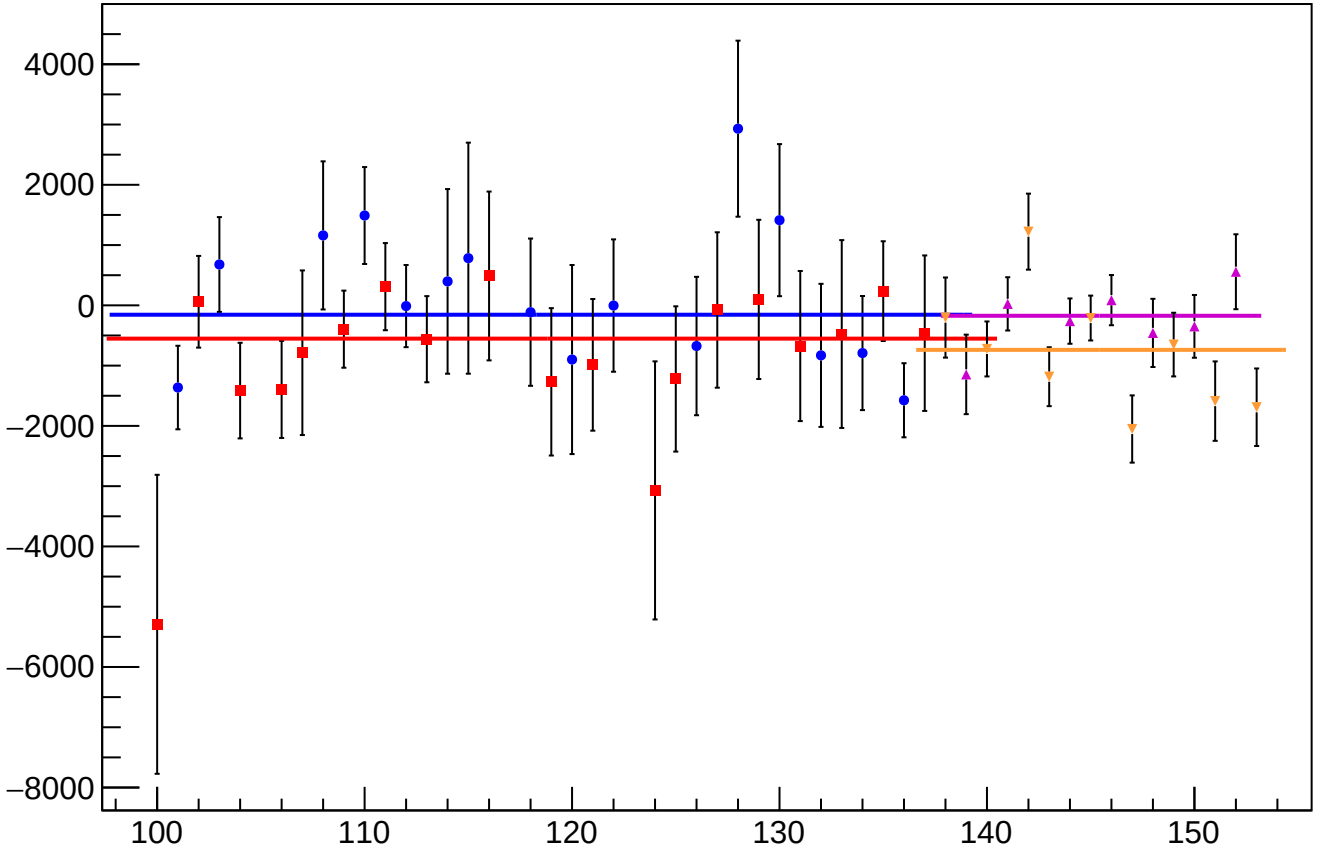
Left In: 445.329+/-0.130 χ^2/NDF:406707.5/6

+ sign 511.437+/-0.100 χ^2/NDF: 2041893.6/24

All: 509.933+/-0.071 χ^2/NDF: 3945478.2/50

- sign 508.380+/-0.101 χ^2/NDF: 1903123.5/25

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -738.576+/-175.374 χ^2/NDF:22.6/8

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

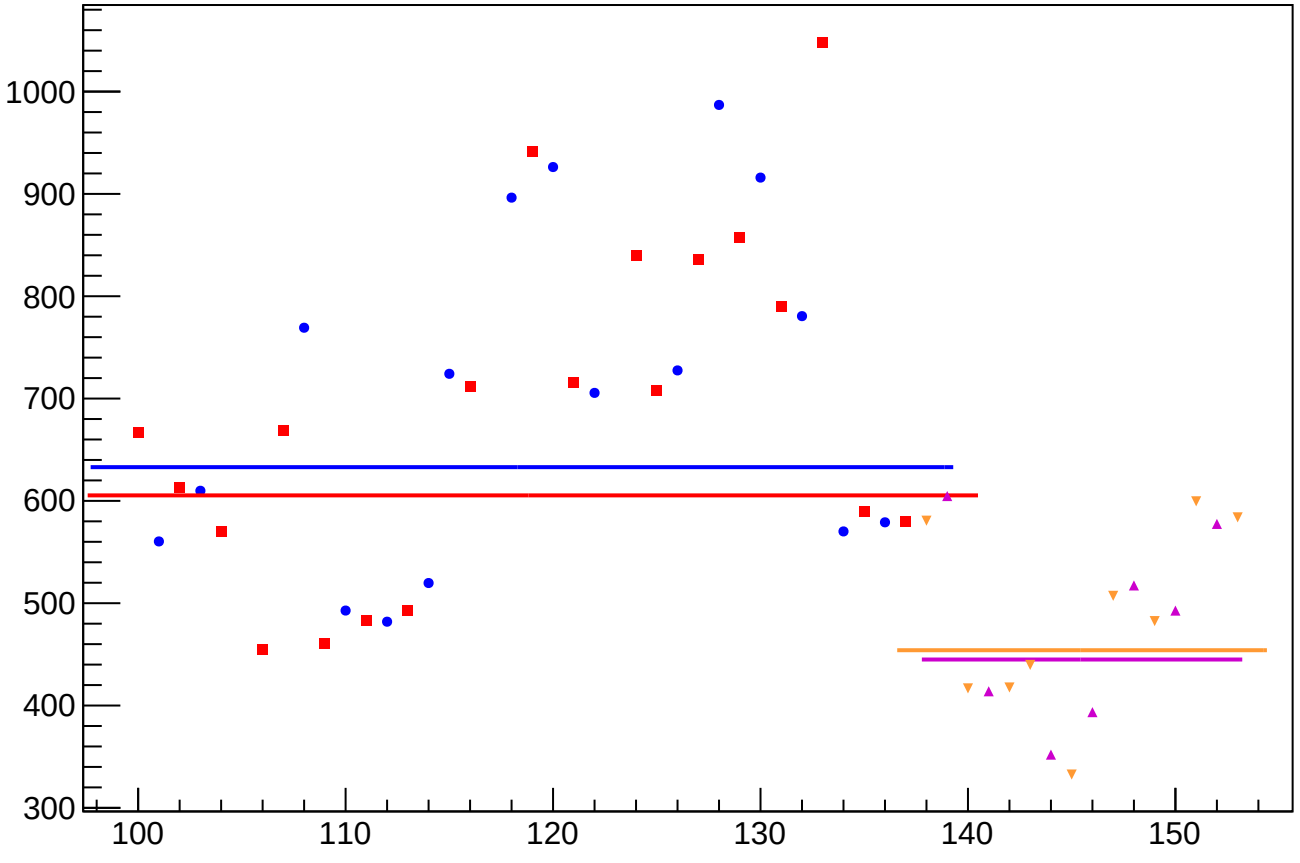
Left In: -173.038+/-183.602 χ^2/NDF:4.6/6

+ sign -538.500+/-142.126 χ^2/NDF: 48.9/24

All: -430.820+/-100.882 χ^2/NDF: 68.4/50

- sign -321.476+/-143.219 χ^2/NDF: 18.4/25

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 454.056+/-0.124 χ^2/NDF:510483.6/8

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

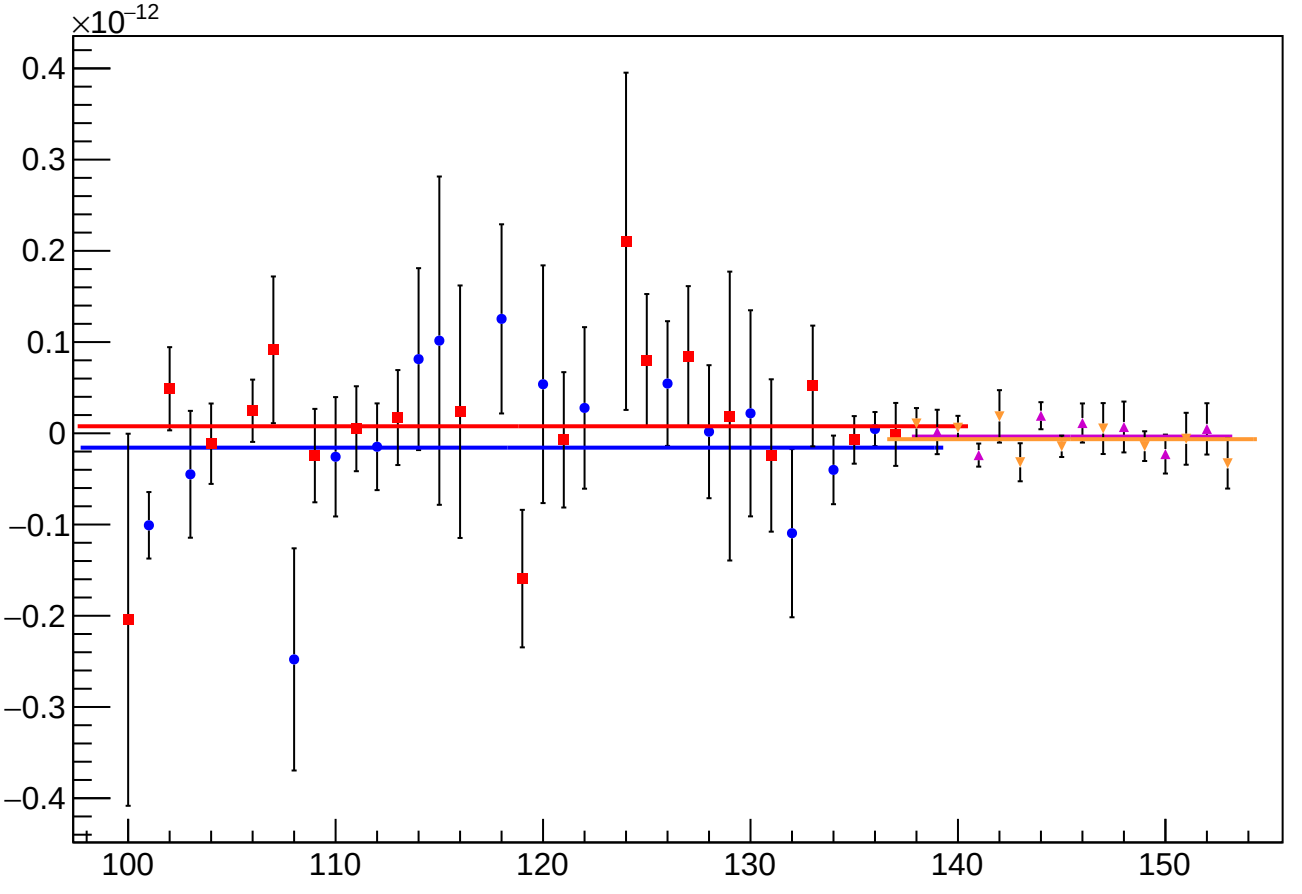
Left In: 444.968+/-0.130 χ^2/NDF:420507.6/6

+ sign 515.463+/-0.100 χ^2/NDF: 1906039.3/24

All: 511.646+/-0.071 χ^2/NDF: 3781117.9/50

- sign 507.769+/-0.101 χ^2/NDF: 1872170.9/25

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/8

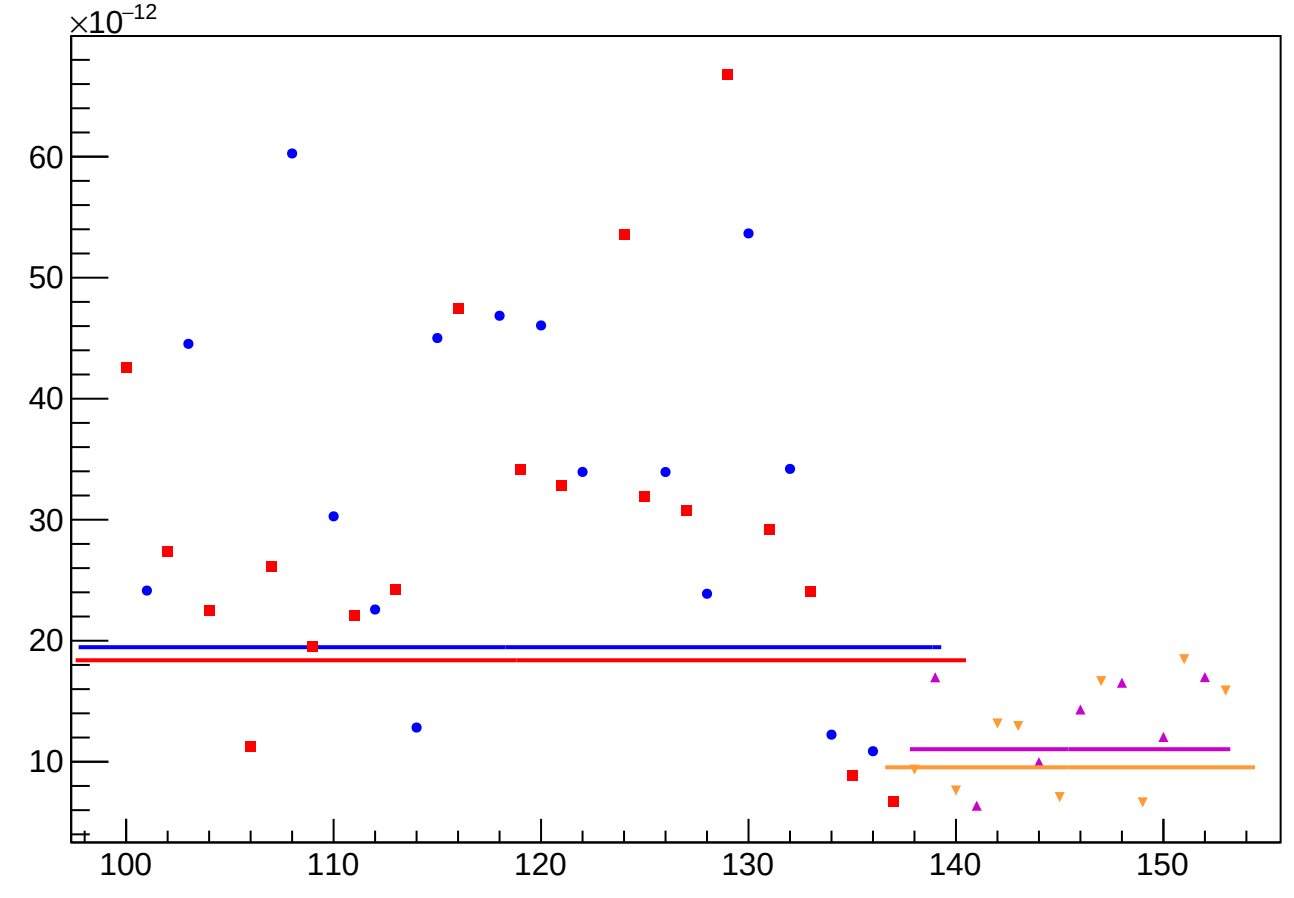
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 23.3/24

All: -0.000+/-0.000 χ^2/NDF: 44.2/50

- sign -0.000+/-0.000 χ^2/NDF: 20.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:711912.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

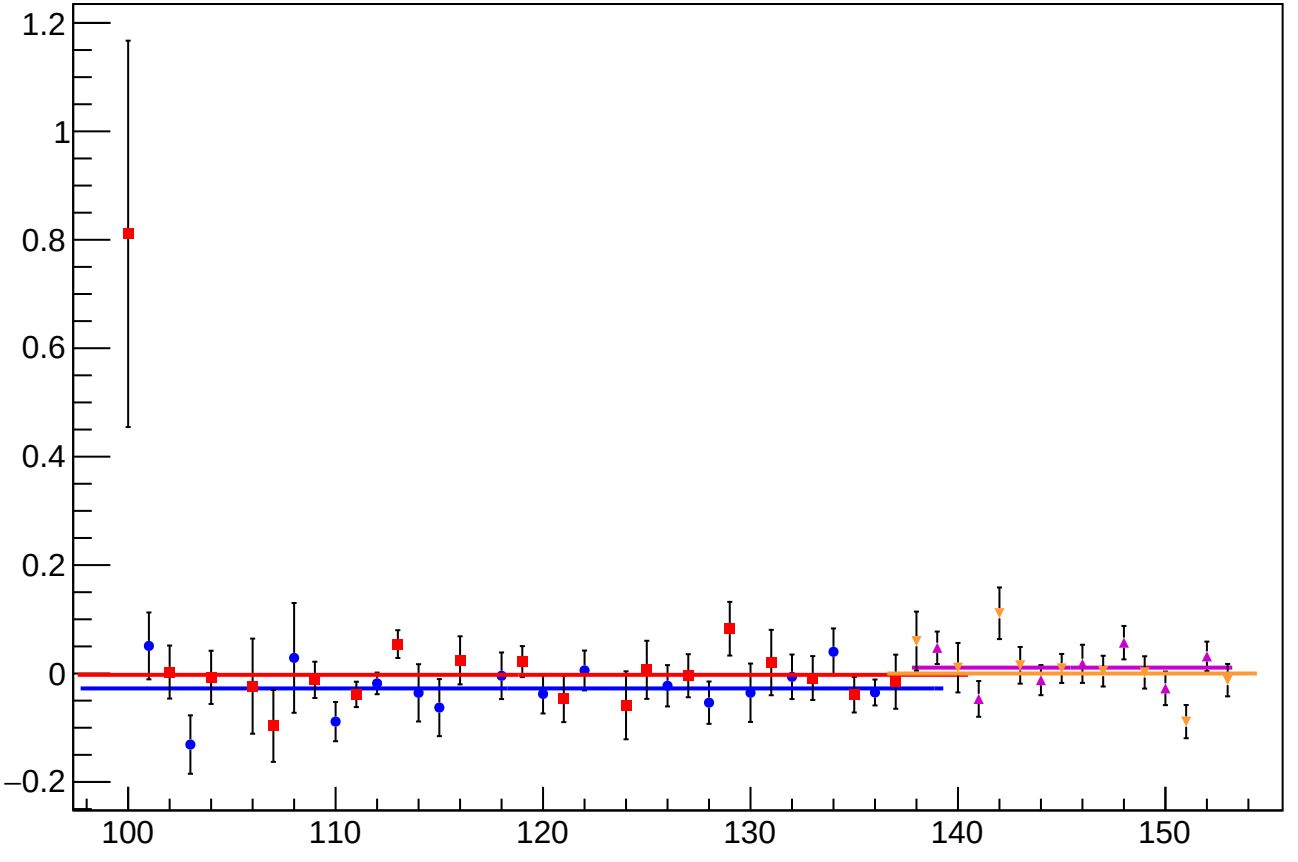
Left In: 0.000+/-0.000 χ^2/NDF:620826.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 3457760.5/24

All: 0.000+/-0.000 χ^2/NDF: 6136872.3/50

- sign 0.000+/-0.000 χ^2/NDF: 2607222.8/25

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.011 χ^2/NDF:15.6/8

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

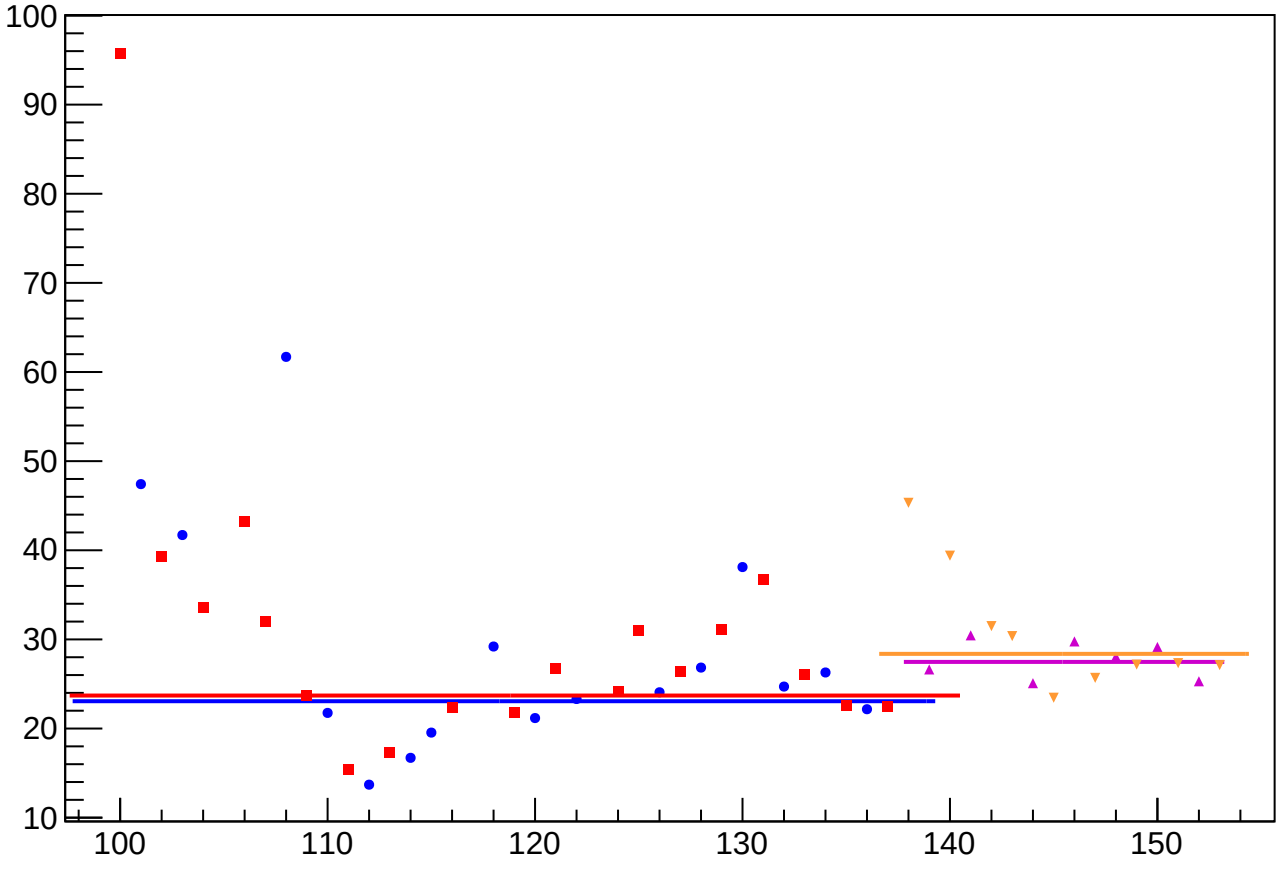
Left In: 0.011+/-0.011 χ^2/NDF:9.6/6

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/24

All: -0.007+/-0.005 χ^2/NDF: 68.8/50

- sign 0.003+/-0.007 χ^2/NDF: 32.5/25

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.378+/-0.008 χ^2/NDF:420512.0/8

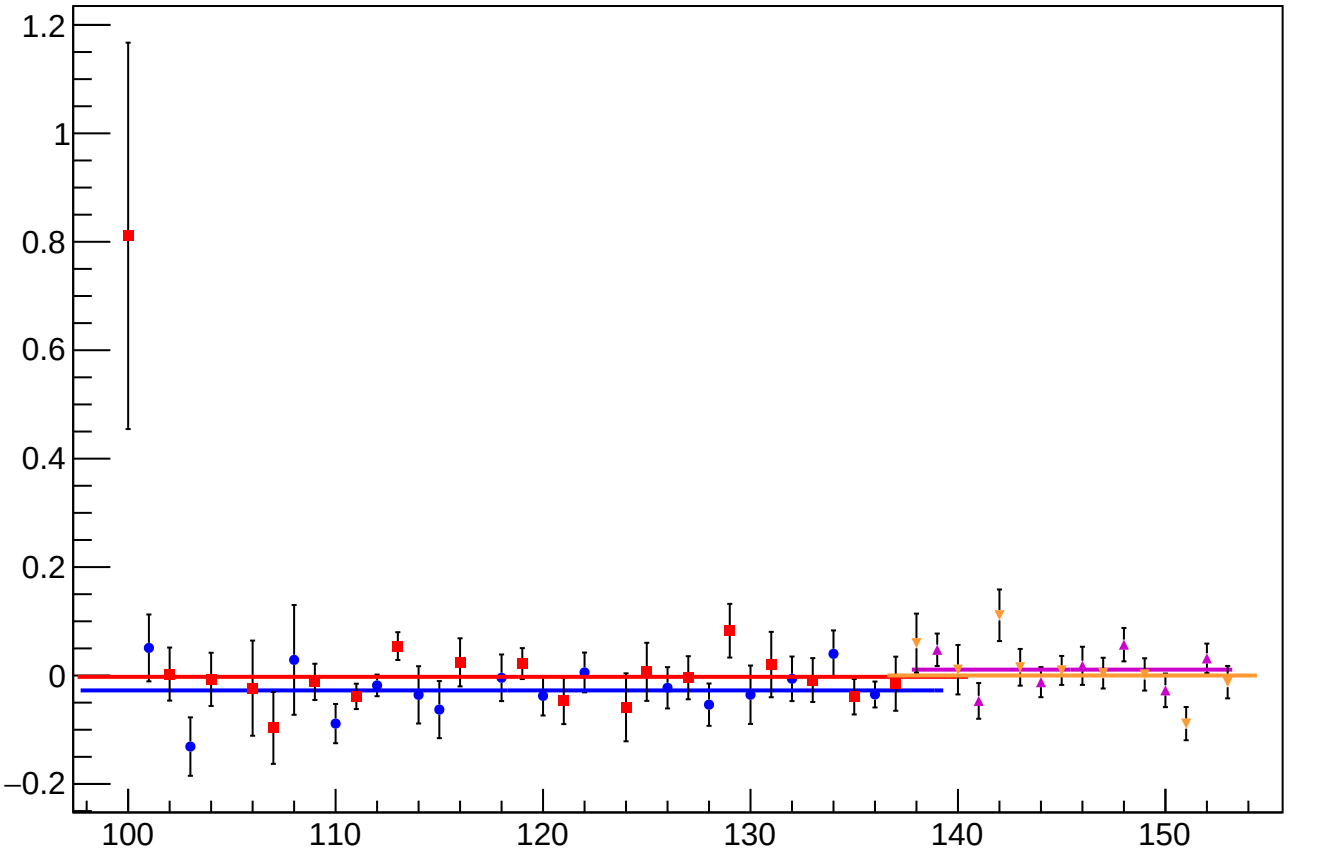
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.475+/-0.008 χ^2/NDF:60611.3/6

+ sign 25.278+/-0.005 χ^2/NDF: 2251333.6/24

All: 25.237+/-0.004 χ^2/NDF: 3531100.1/50

- sign 25.196+/-0.005 χ^2/NDF: 1279637.0/25



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.011 χ^2/NDF:15.6/8

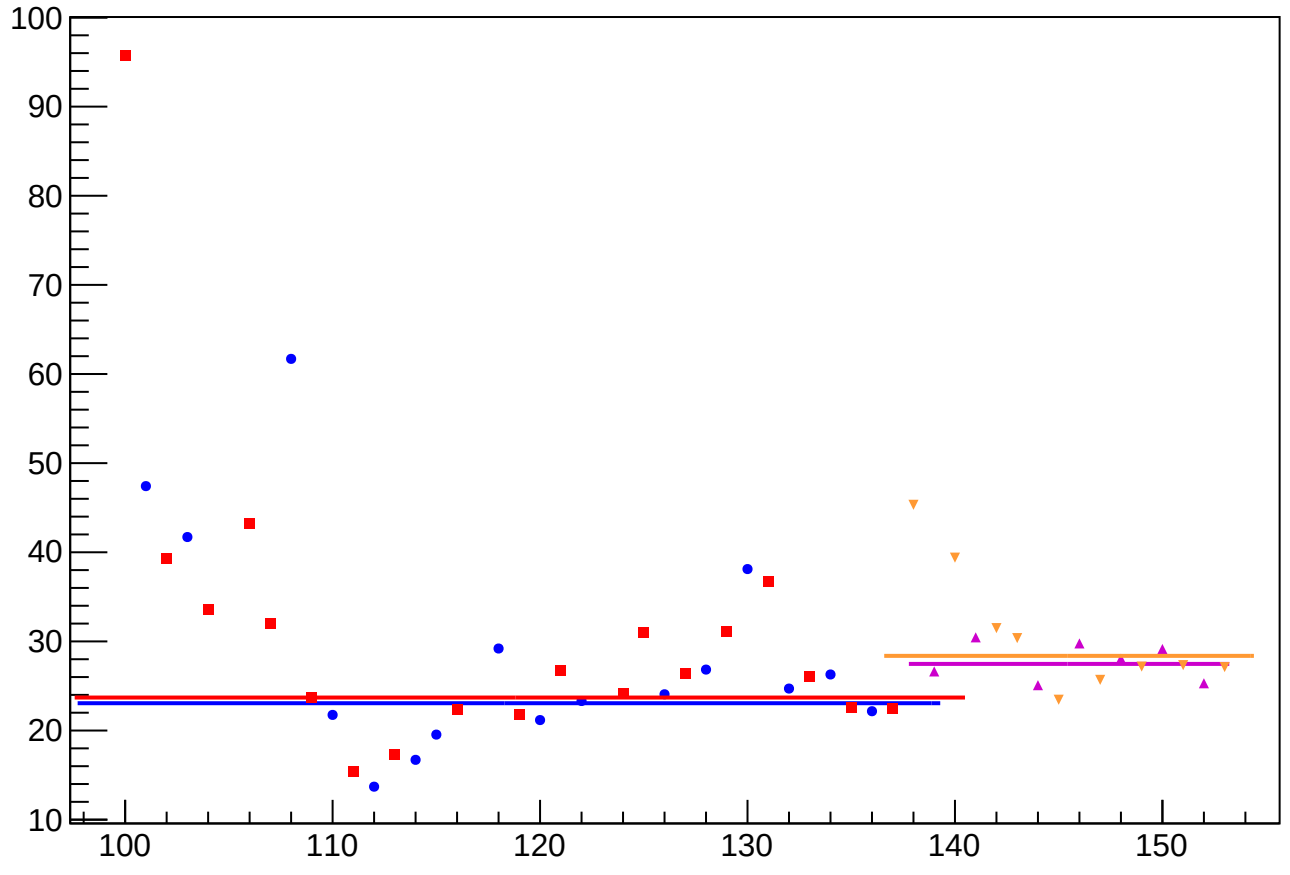
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.011+/-0.011 χ^2/NDF:9.6/6

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/24

All: -0.007+/-0.005 χ^2/NDF: 68.8/50

- sign 0.003+/-0.007 χ^2/NDF: 32.5/25



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.378+/-0.008 χ^2/NDF:420512.0/8

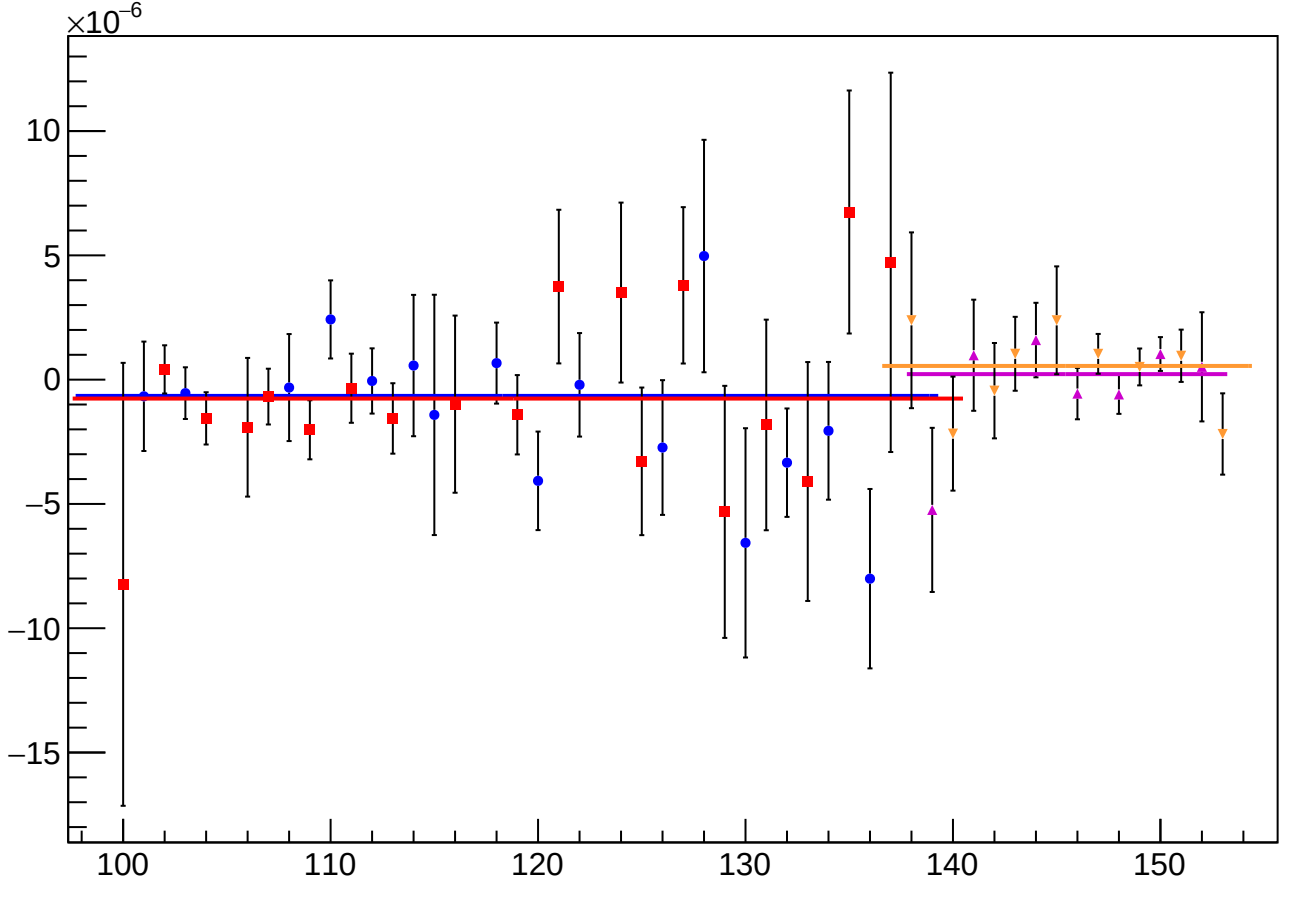
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.475+/-0.008 χ^2/NDF:60611.3/6

+ sign 25.278+/-0.005 χ^2/NDF: 2251333.6/24

All: 25.237+/-0.004 χ^2/NDF: 3531100.1/50

- sign 25.196+/-0.005 χ^2/NDF: 1279637.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/8

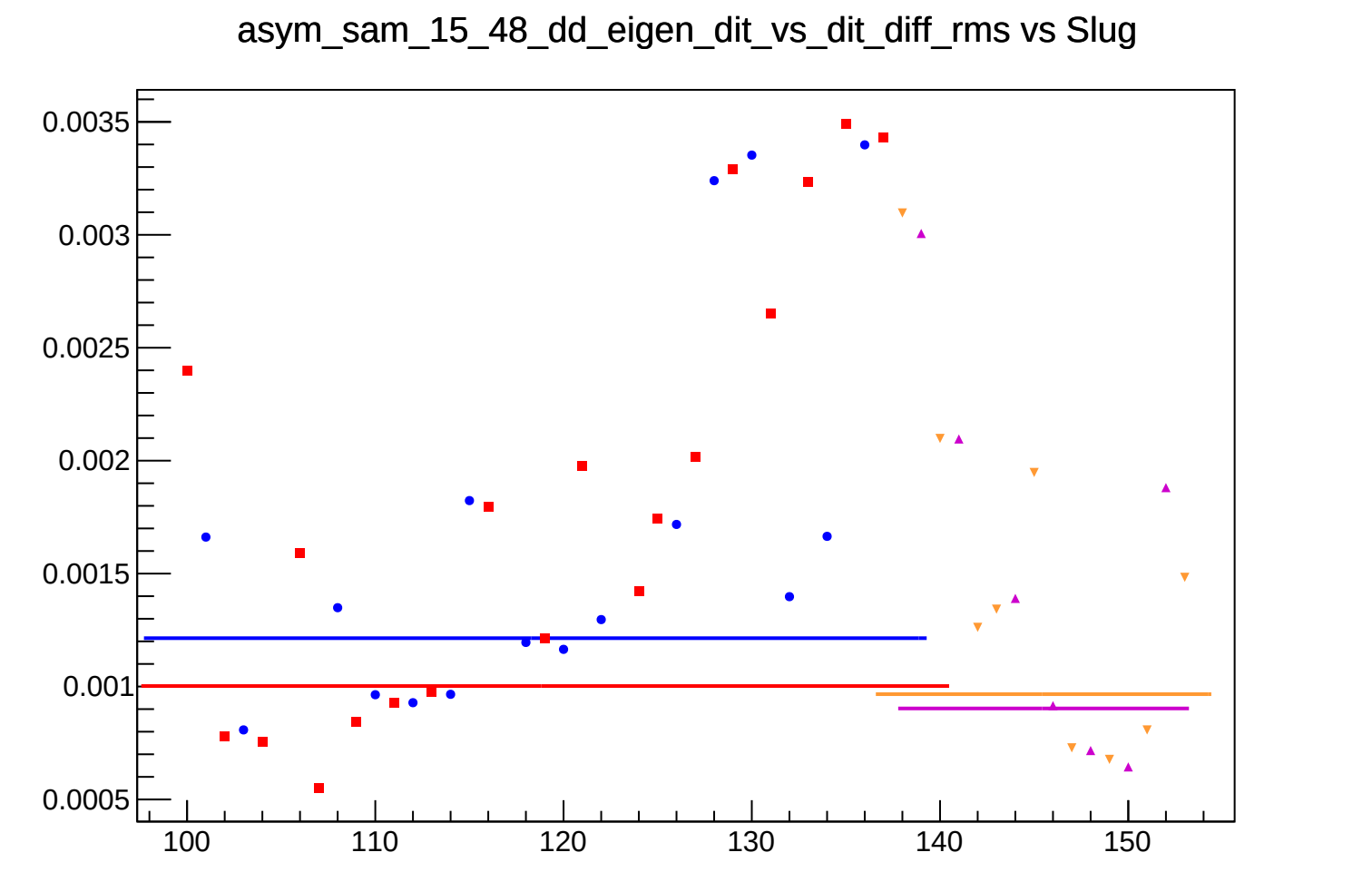
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 27.1/24

All: -0.000+/-0.000 χ^2/NDF: 52.4/50

- sign -0.000+/-0.000 χ^2/NDF: 24.7/25



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2523387.6/8

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

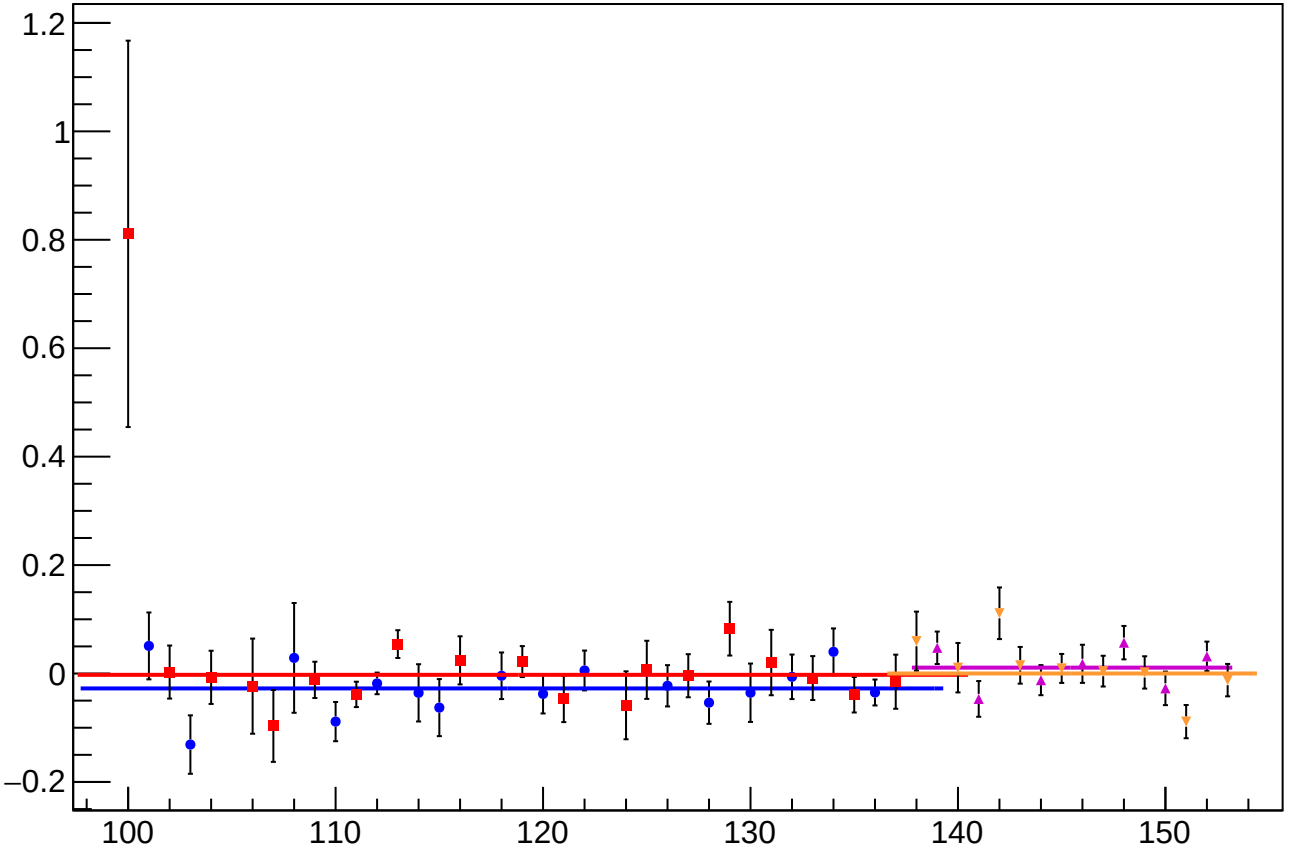
Left In: 0.001+/-0.000 χ^2/NDF:2392614.9/6

+ sign 0.001+/-0.000 χ^2/NDF: 5083376.3/24

All: 0.001+/-0.000 χ^2/NDF: 10947004.8/50

- sign 0.001+/-0.000 χ^2/NDF: 5725799.1/25

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.011 χ^2/NDF:15.6/8

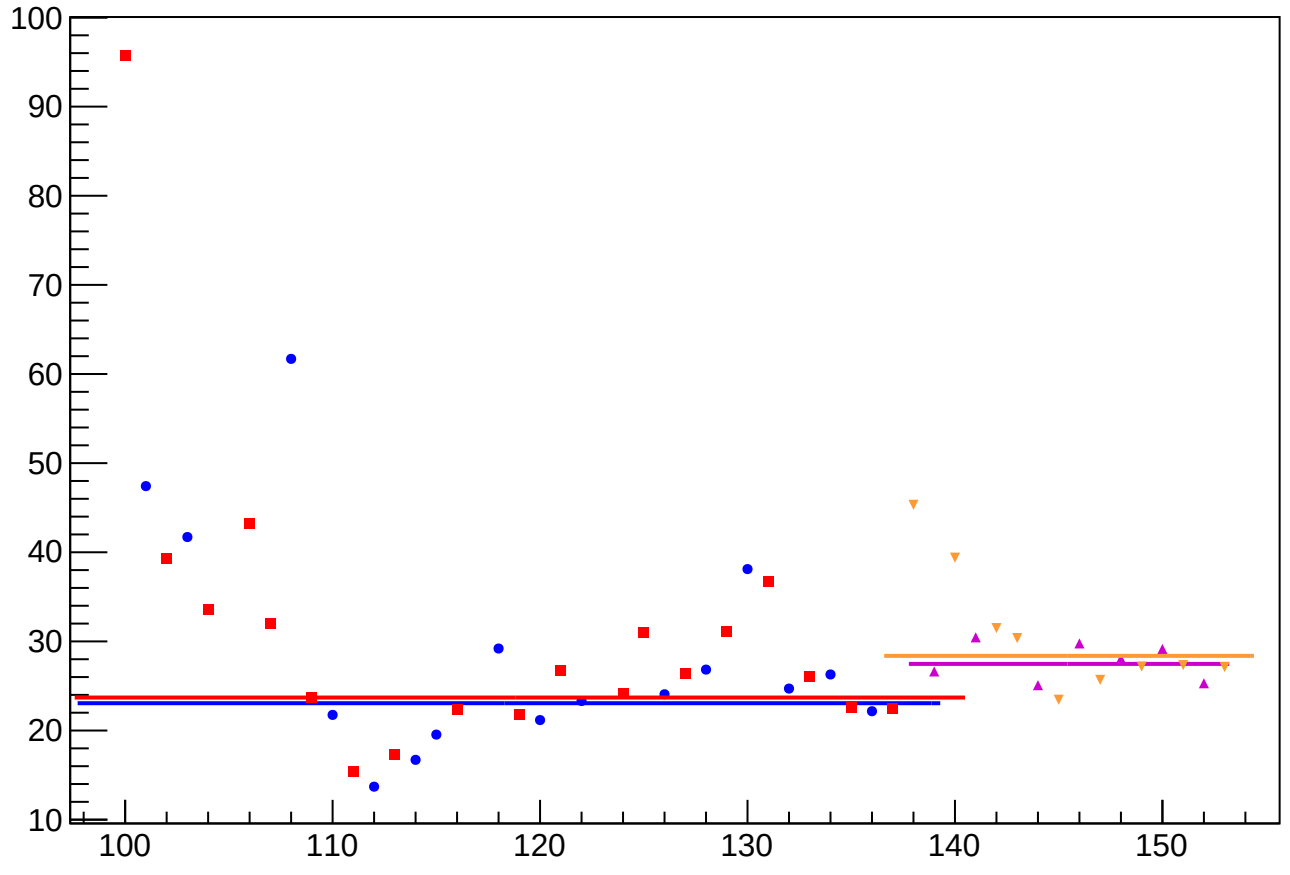
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.011+/-0.011 χ^2/NDF:9.6/6

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/24

All: -0.007+/-0.005 χ^2/NDF: 68.8/50

- sign 0.003+/-0.007 χ^2/NDF: 32.5/25



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.379+/-0.008 χ^2/NDF:420472.4/8

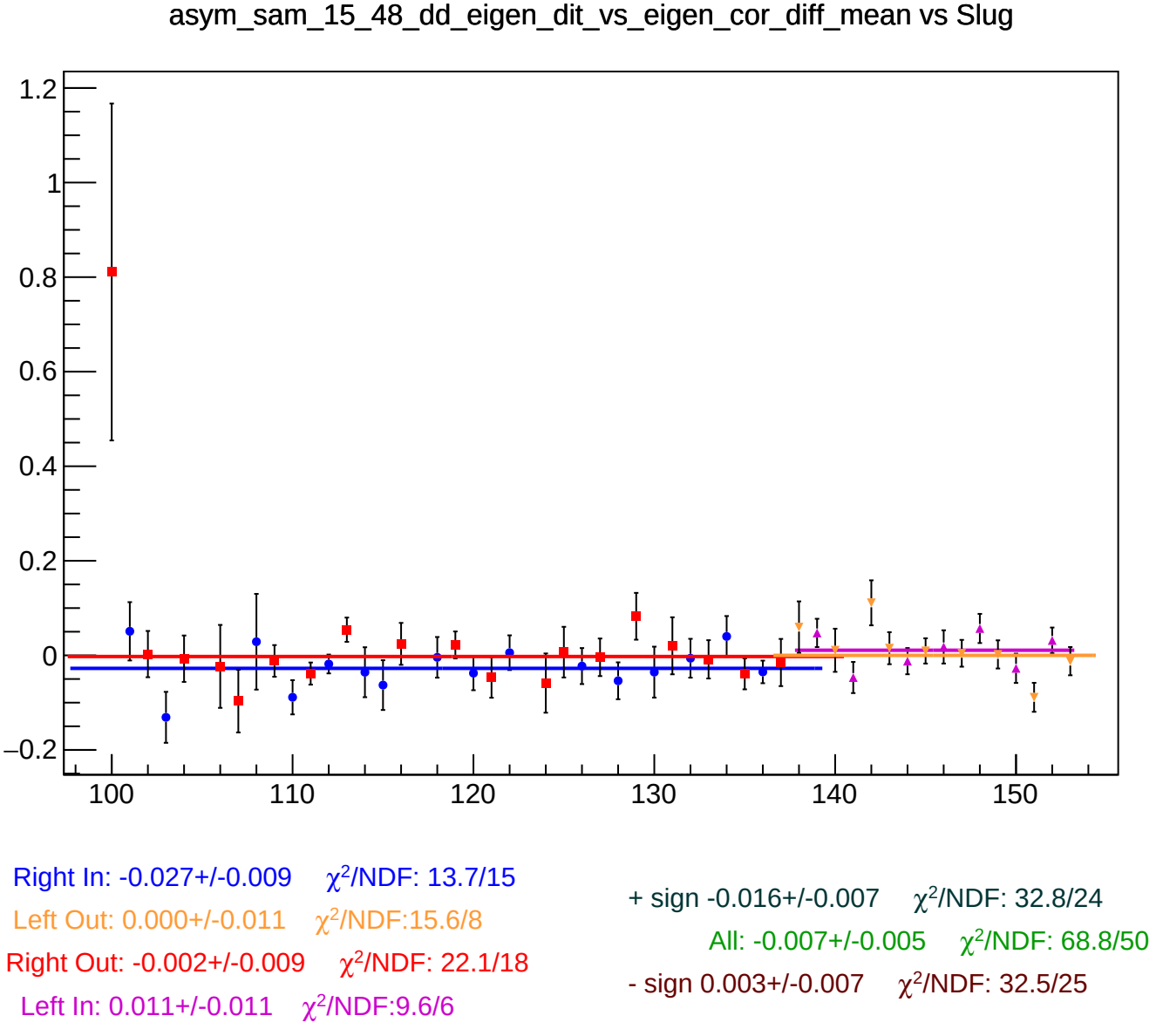
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

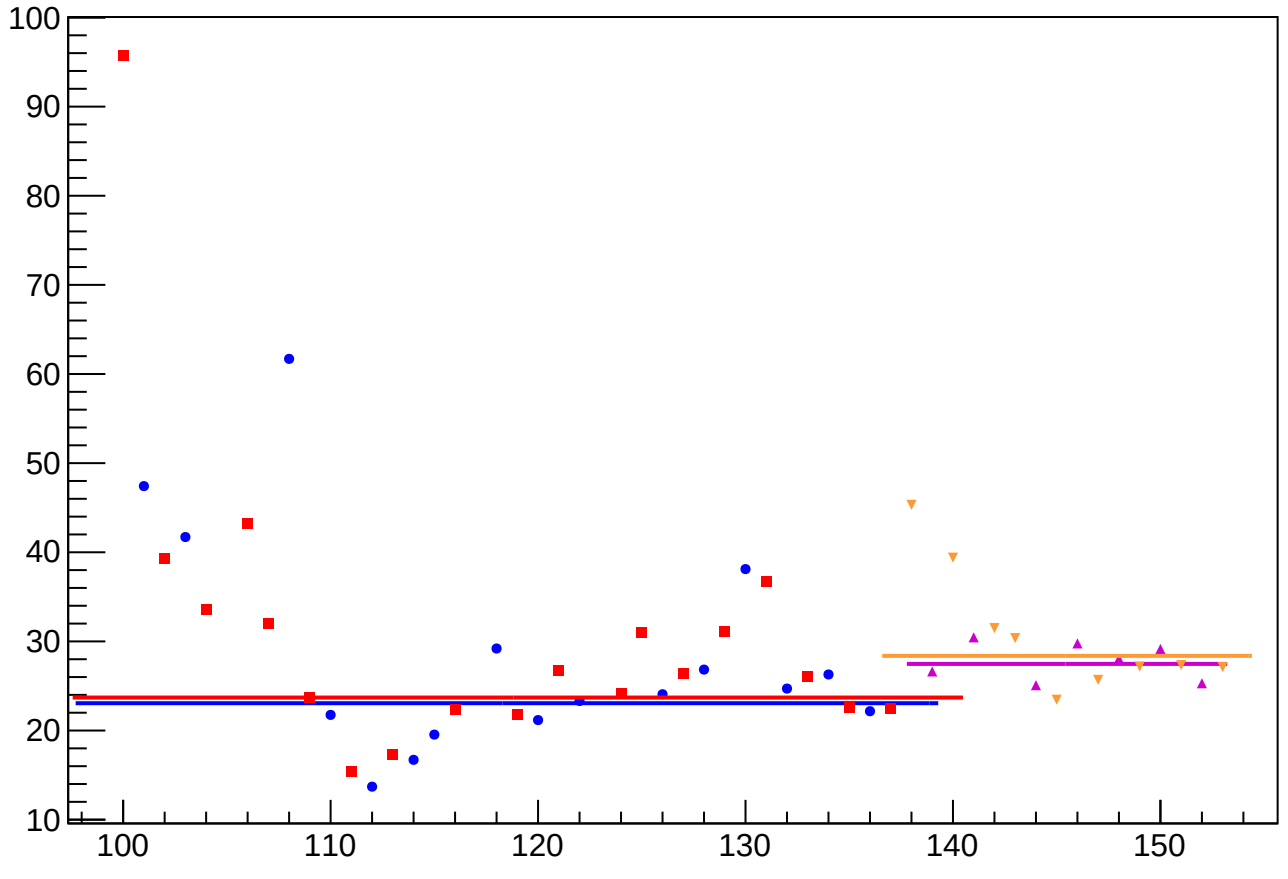
Left In: 27.475+/-0.008 χ^2/NDF:60602.5/6

+ sign 25.278+/-0.005 χ^2/NDF: 2251357.9/24

All: 25.237+/-0.004 χ^2/NDF: 3531178.6/50

- sign 25.196+/-0.005 χ^2/NDF: 1279690.8/25


asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: -0.027+/-0.009 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.011 χ²/NDF:15.6/8
Right Out: -0.002+/-0.009 χ²/NDF: 22.1/18
Left In: 0.011+/-0.011 χ²/NDF:9.6/6
+ sign -0.016+/-0.007 χ²/NDF: 32.8/24
All: -0.007+/-0.005 χ²/NDF: 68.8/50
- sign 0.003+/-0.007 χ²/NDF: 32.5/25



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.379+/-0.008 χ^2/NDF:420472.4/8

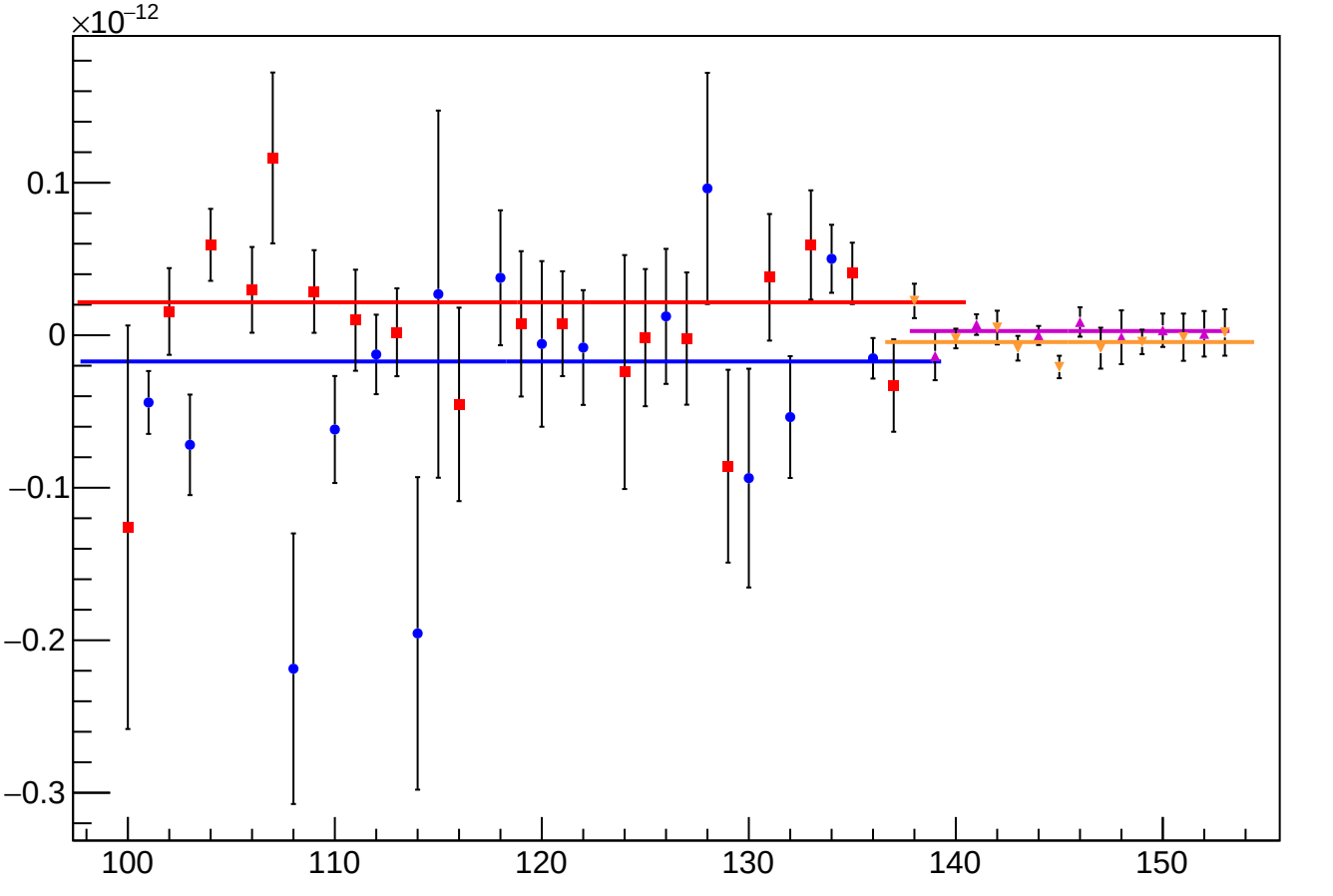
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.475+/-0.008 χ^2/NDF:60602.5/6

+ sign 25.278+/-0.005 χ^2/NDF: 2251357.9/24

All: 25.237+/-0.004 χ^2/NDF: 3531178.6/50

- sign 25.196+/-0.005 χ^2/NDF: 1279690.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/8

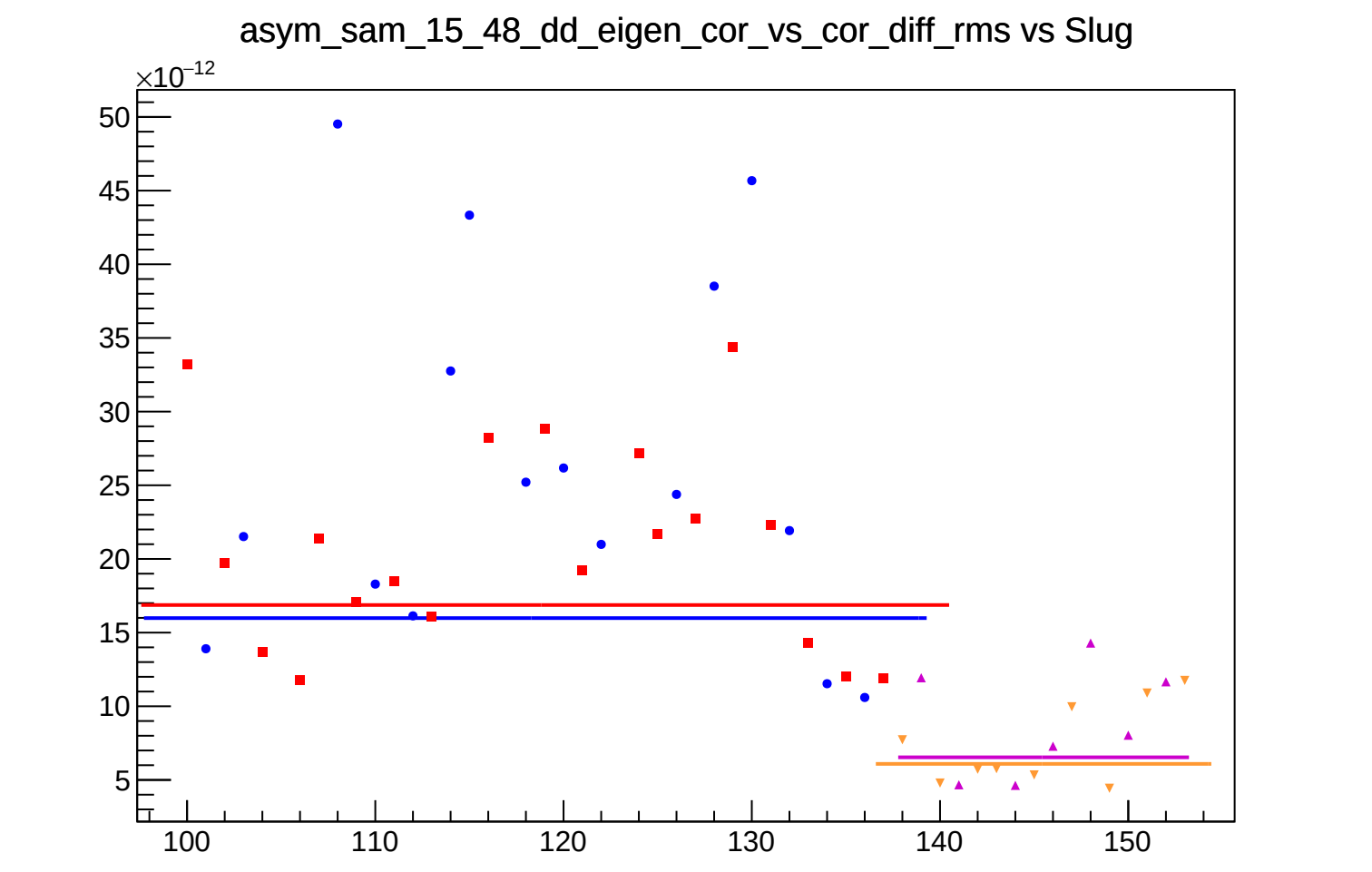
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 44.3/24

All: -0.000+/-0.000 χ^2/NDF: 77.0/50

- sign 0.000+/-0.000 χ^2/NDF: 24.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:871805.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

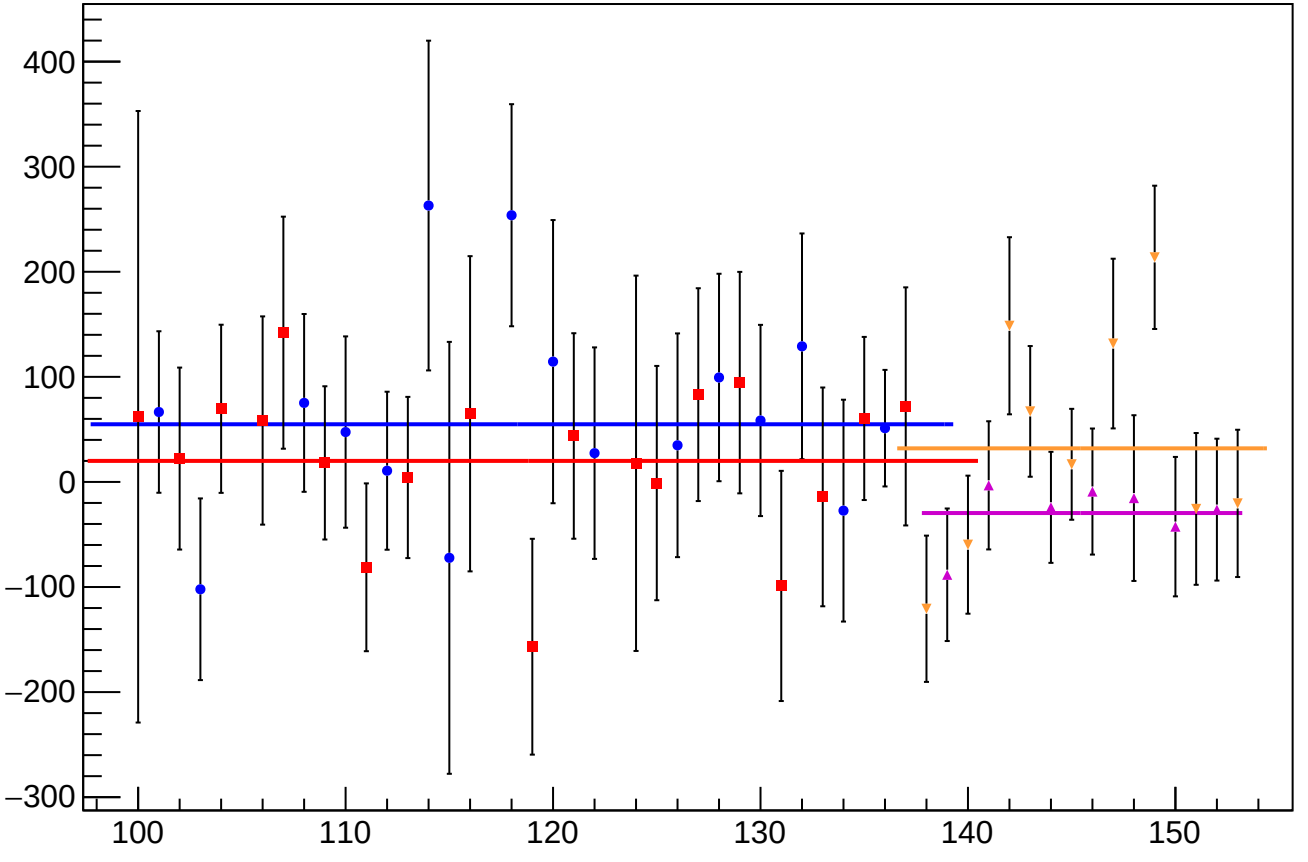
Left In: 0.000+/-0.000 χ^2/NDF:1243619.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 5435453.1/24

All: 0.000+/-0.000 χ^2/NDF: 10435554.7/50

- sign 0.000+/-0.000 χ^2/NDF: 4926586.0/25

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 31.965+/-22.586 χ^2/NDF:18.9/8

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

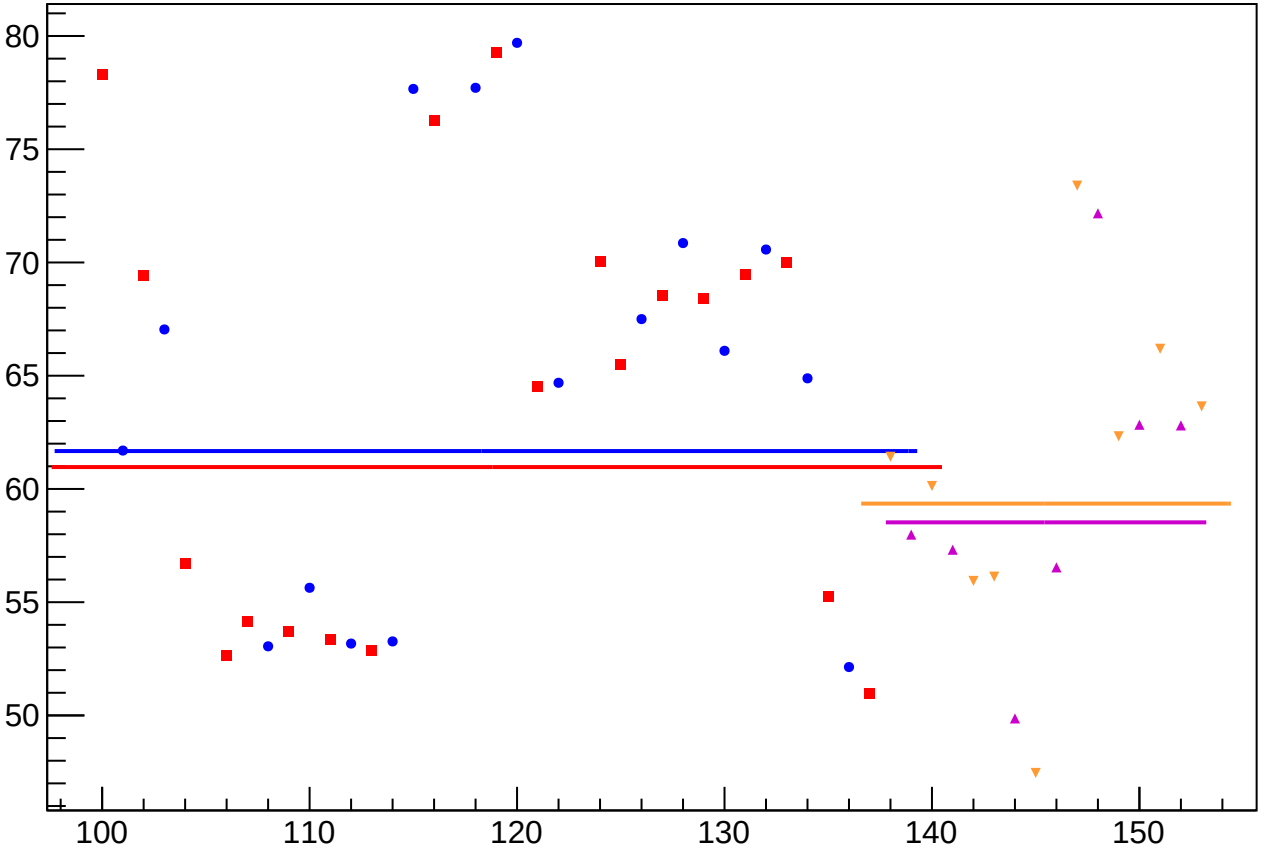
Left In: -29.596+/-23.811 χ^2/NDF:1.3/6

+ sign 43.127+/-16.176 χ^2/NDF: 30.4/24

All: 20.125+/-11.510 χ^2/NDF: 47.3/50

- sign -3.463+/-16.381 χ^2/NDF: 12.8/25

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 59.353+/-0.016 χ^2/NDF:201967.3/8

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

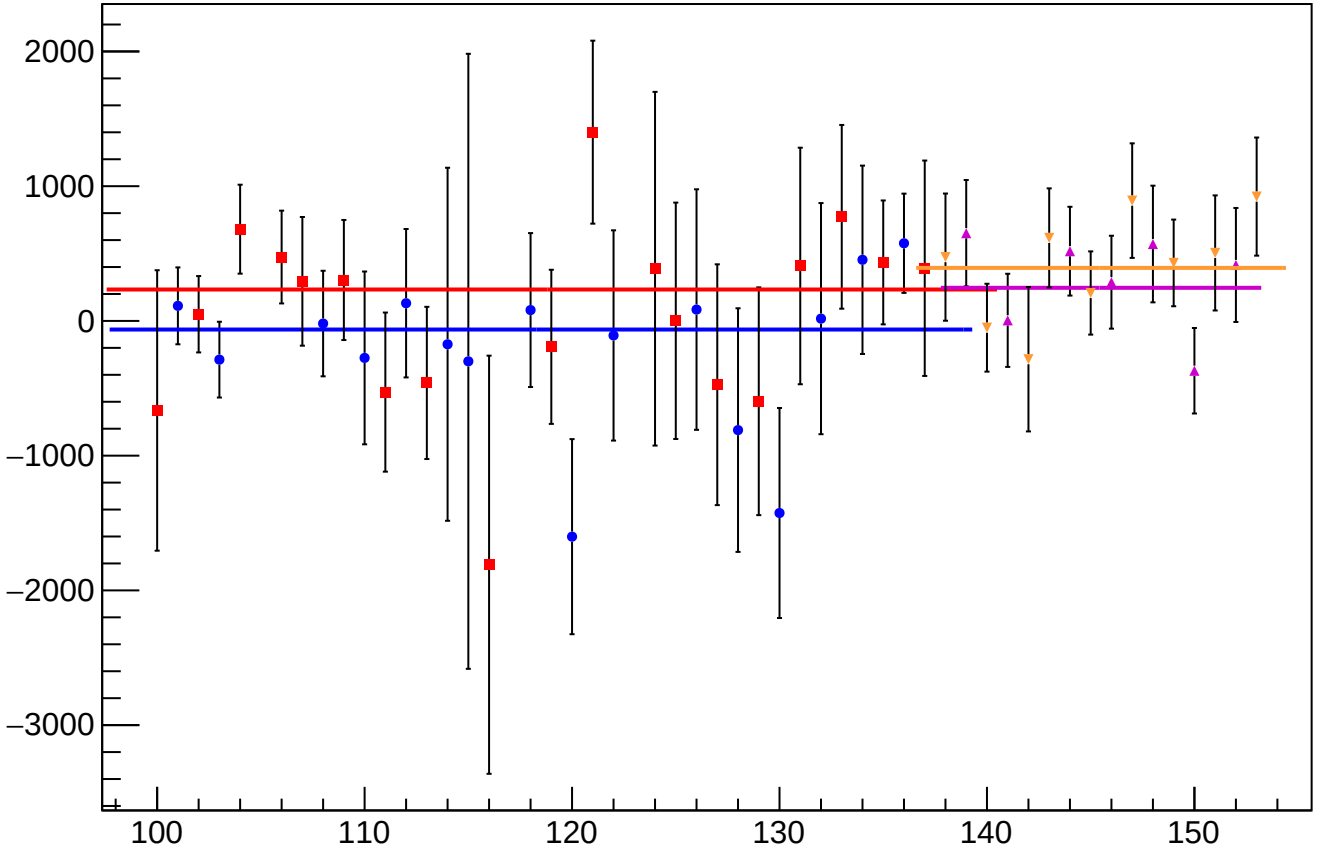
Left In: 58.525+/-0.017 χ^2/NDF:133186.1/6

+ sign 60.483+/-0.011 χ^2/NDF: 479354.9/24

All: 60.151+/-0.008 χ^2/NDF: 909503.9/50

- sign 59.811+/-0.012 χ^2/NDF: 428445.8/25

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 393.630+/-127.897 χ^2/NDF:7.1/8

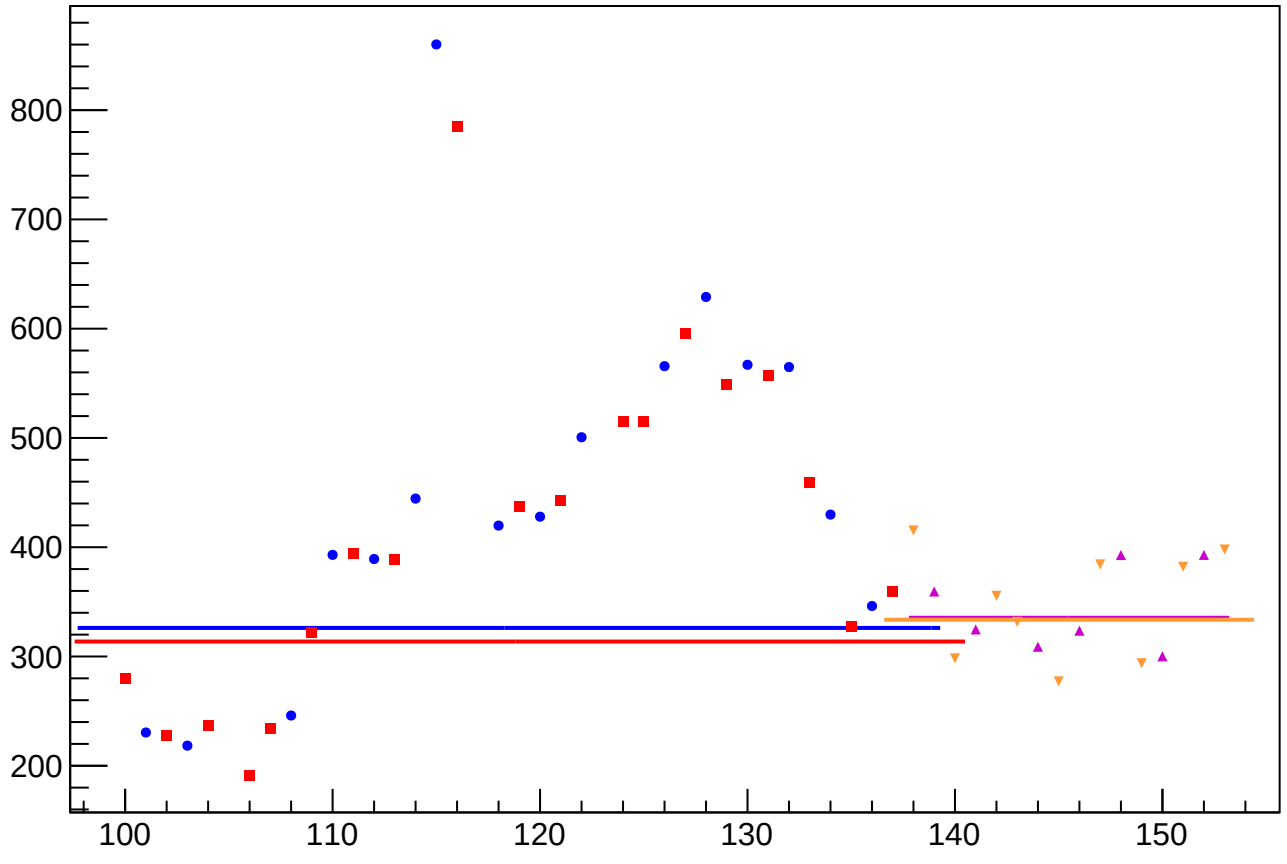
Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: 245.803+/-137.024 χ^2/NDF:6.7/6

+ sign 168.055+/-91.059 χ^2/NDF: 26.6/24

All: 203.286+/-64.525 χ^2/NDF: 48.2/50

- sign 238.817+/-91.446 χ^2/NDF: 21.2/25



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 333.639+/-0.090 χ^2/NDF:281268.1/8

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

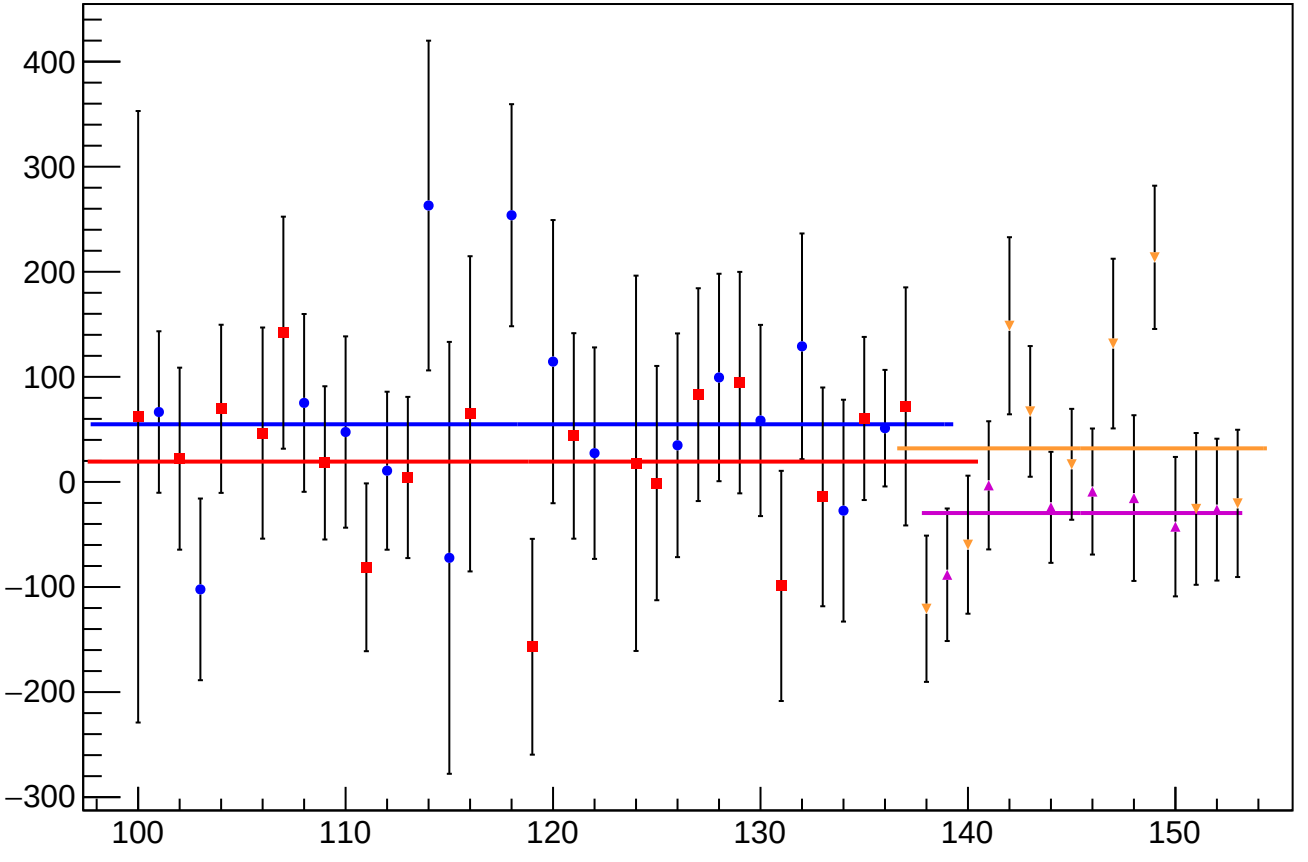
Left In: 335.437+/-0.097 χ^2/NDF:121438.3/6

+ sign 329.945+/-0.064 χ^2/NDF: 2018647.0/24

All: 326.669+/-0.046 χ^2/NDF: 3960616.2/50

- sign 323.366+/-0.065 χ^2/NDF: 1936771.1/25

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 31.960+/-22.586 χ^2/NDF:18.9/8

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

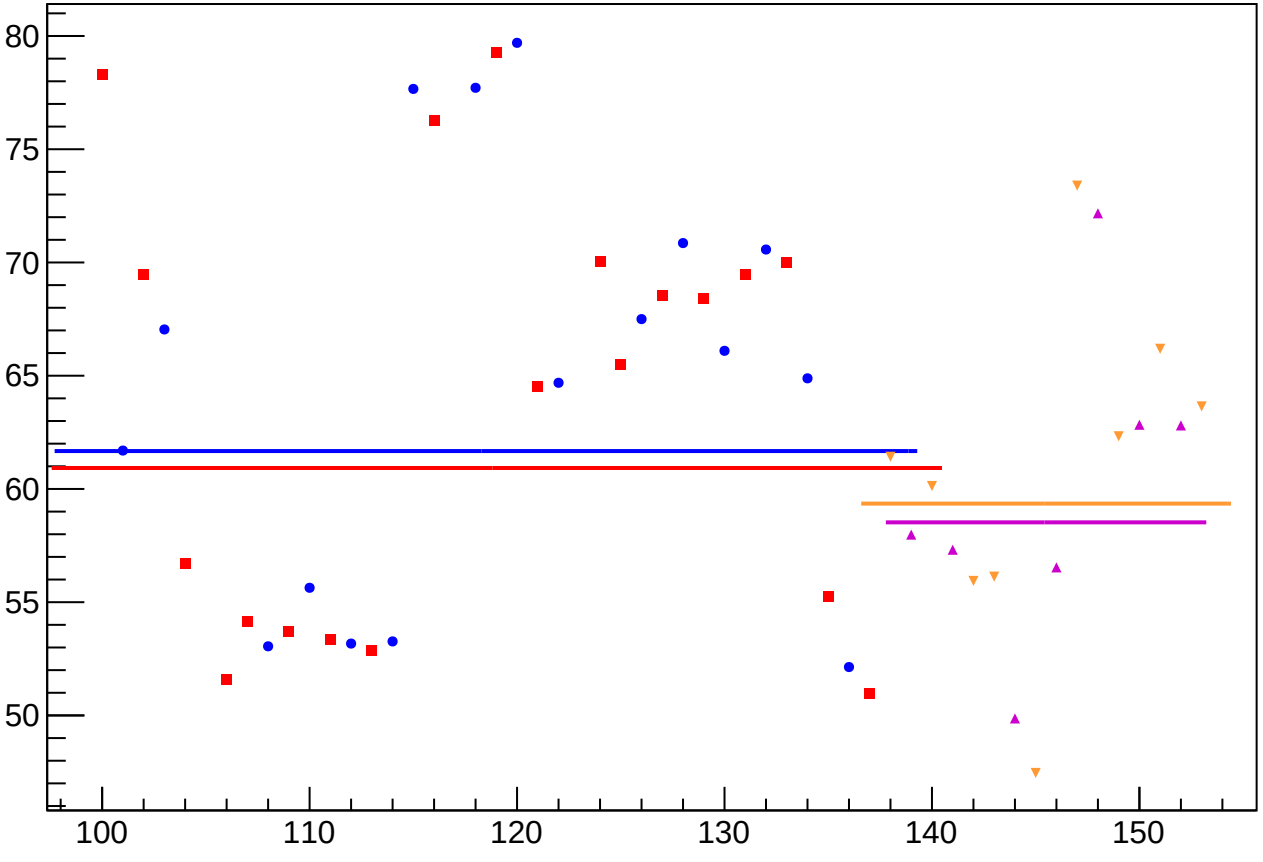
Left In: -29.594+/-23.811 χ^2/NDF:1.3/6

+ sign 43.122+/-16.176 χ^2/NDF: 30.4/24

All: 19.950+/-11.512 χ^2/NDF: 47.2/50

- sign -3.831+/-16.387 χ^2/NDF: 12.6/25

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 59.353+/-0.016 χ^2/NDF:201967.3/8

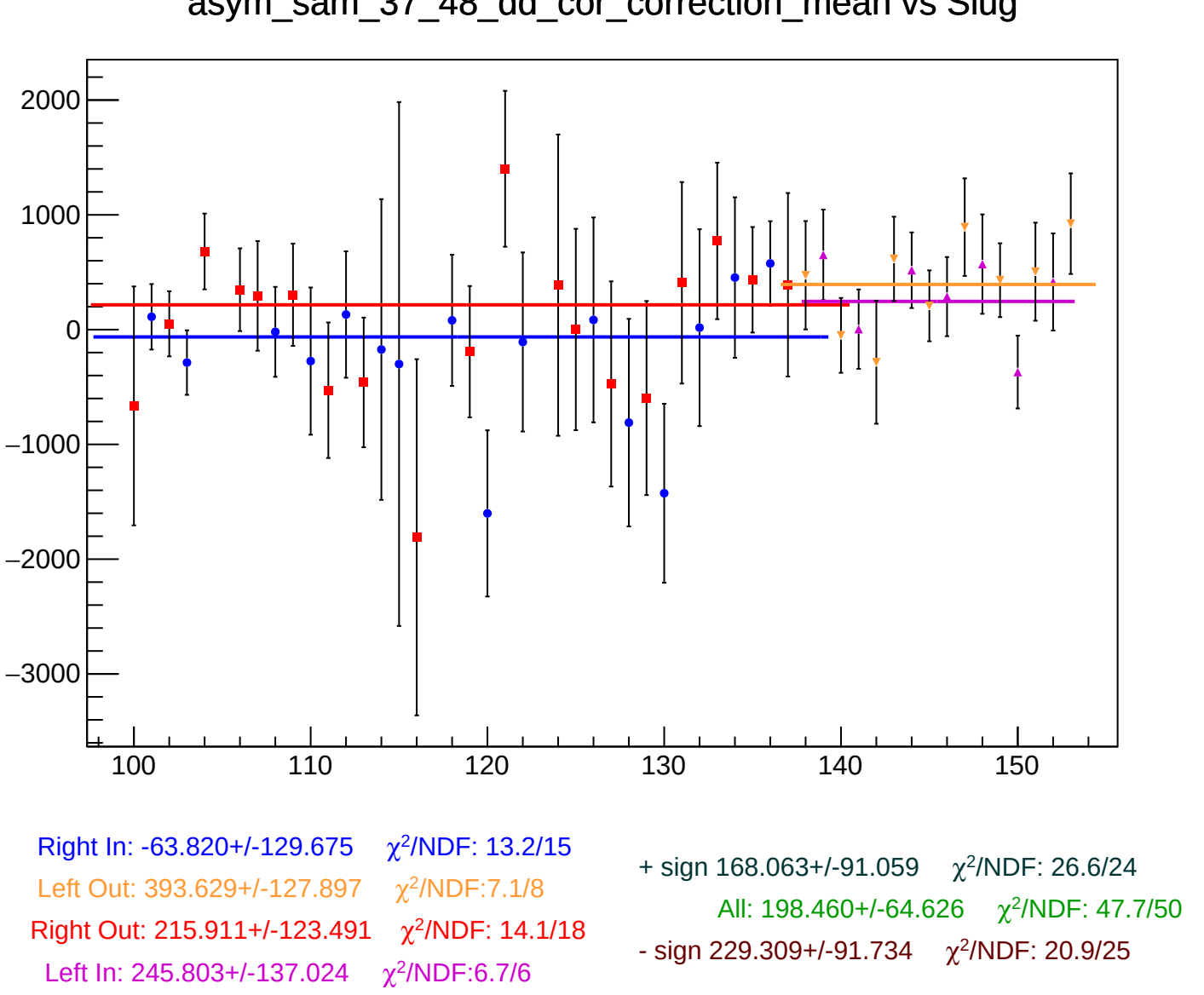
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 58.525+/-0.017 χ^2/NDF:133186.2/6

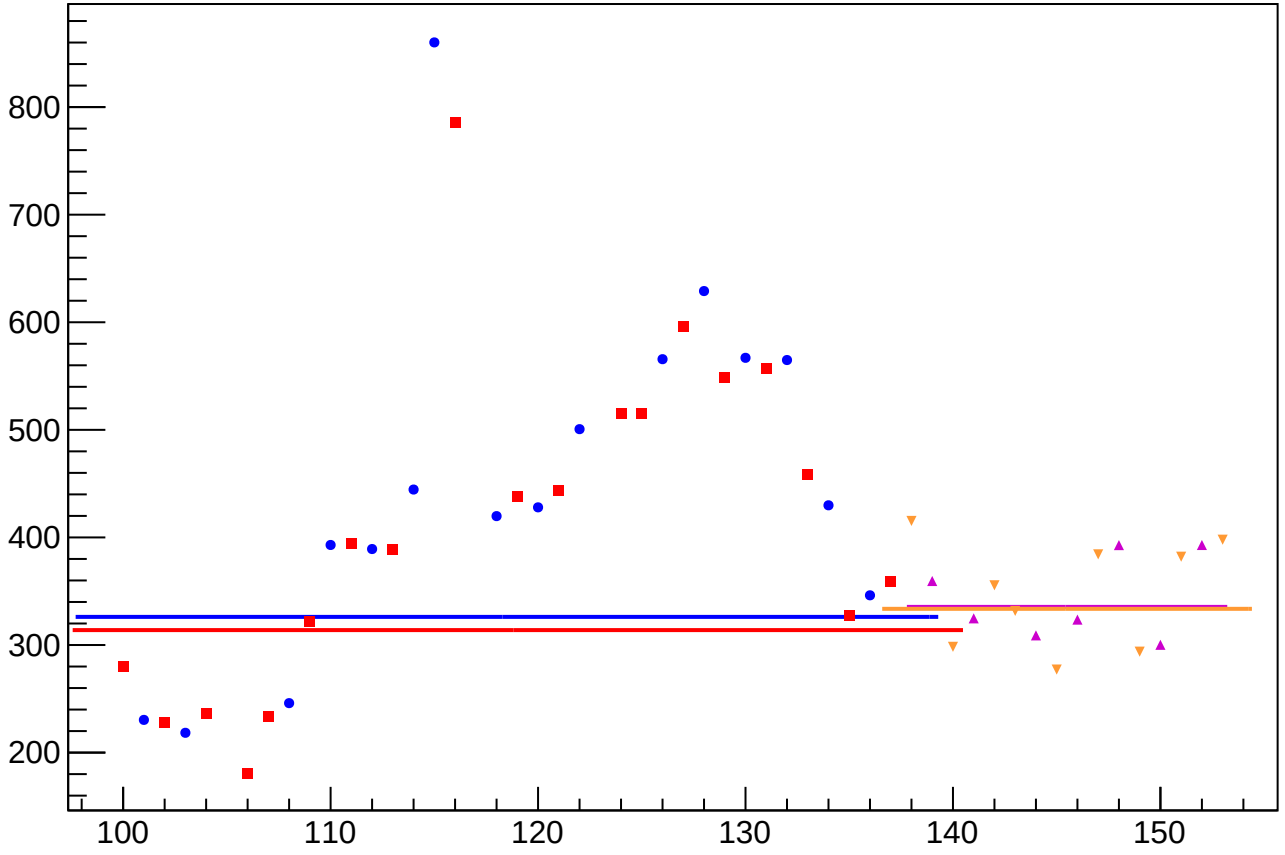
+ sign 60.483+/-0.011 χ^2/NDF: 479355.2/24

All: 60.140+/-0.008 χ^2/NDF: 912640.5/50

- sign 59.789+/-0.012 χ^2/NDF: 431467.5/25


asym_sam_37_48_dd_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 393.629+/-127.897 χ²/NDF:7.1/8
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 245.803+/-137.024 χ²/NDF:6.7/6
+ sign 168.063+/-91.059 χ²/NDF: 26.6/24
All: 198.460+/-64.626 χ²/NDF: 47.7/50
- sign 229.309+/-91.734 χ²/NDF: 20.9/25

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 333.639+/-0.090 χ^2/NDF:281268.5/8

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

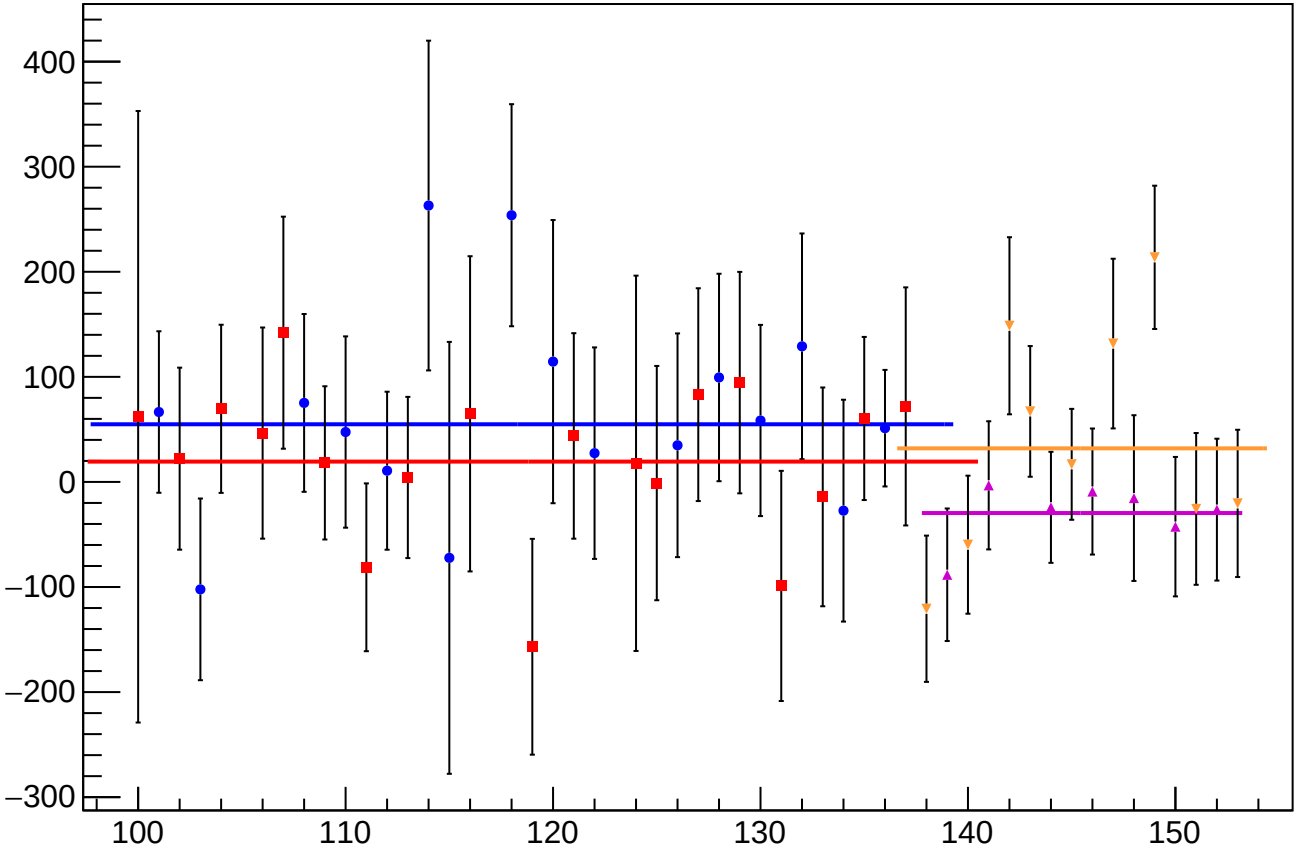
Left In: 335.437+/-0.097 χ^2/NDF:121437.2/6

+ sign 329.946+/-0.064 χ^2/NDF: 2018584.0/24

All: 326.762+/-0.046 χ^2/NDF: 3978090.4/50

- sign 323.531+/-0.065 χ^2/NDF: 1954579.9/25

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 31.960+/-22.586 χ^2/NDF:18.9/8

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

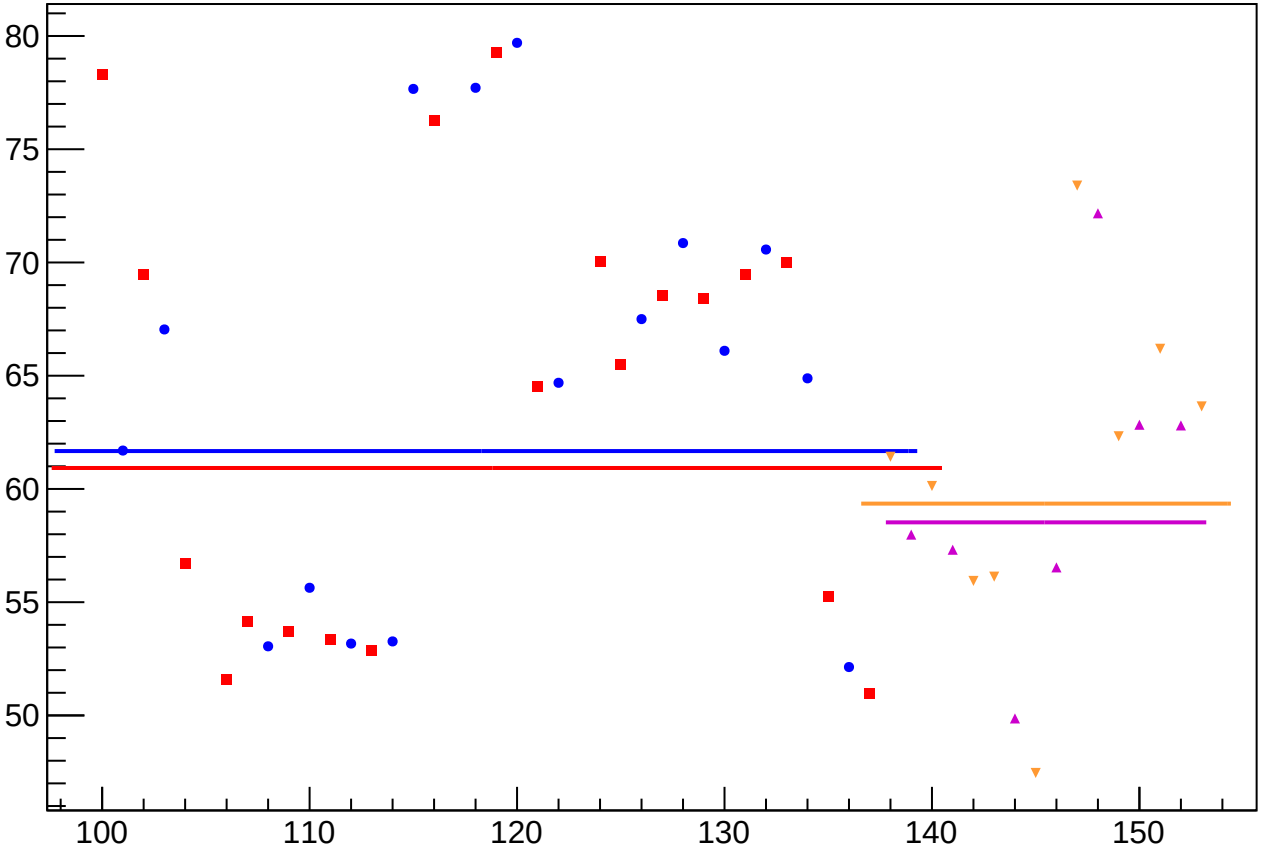
Left In: -29.594+/-23.811 χ^2/NDF:1.3/6

+ sign 43.122+/-16.176 χ^2/NDF: 30.4/24

All: 19.950+/-11.512 χ^2/NDF: 47.2/50

- sign -3.831+/-16.387 χ^2/NDF: 12.6/25

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 59.353+/-0.016 χ^2/NDF:201967.3/8

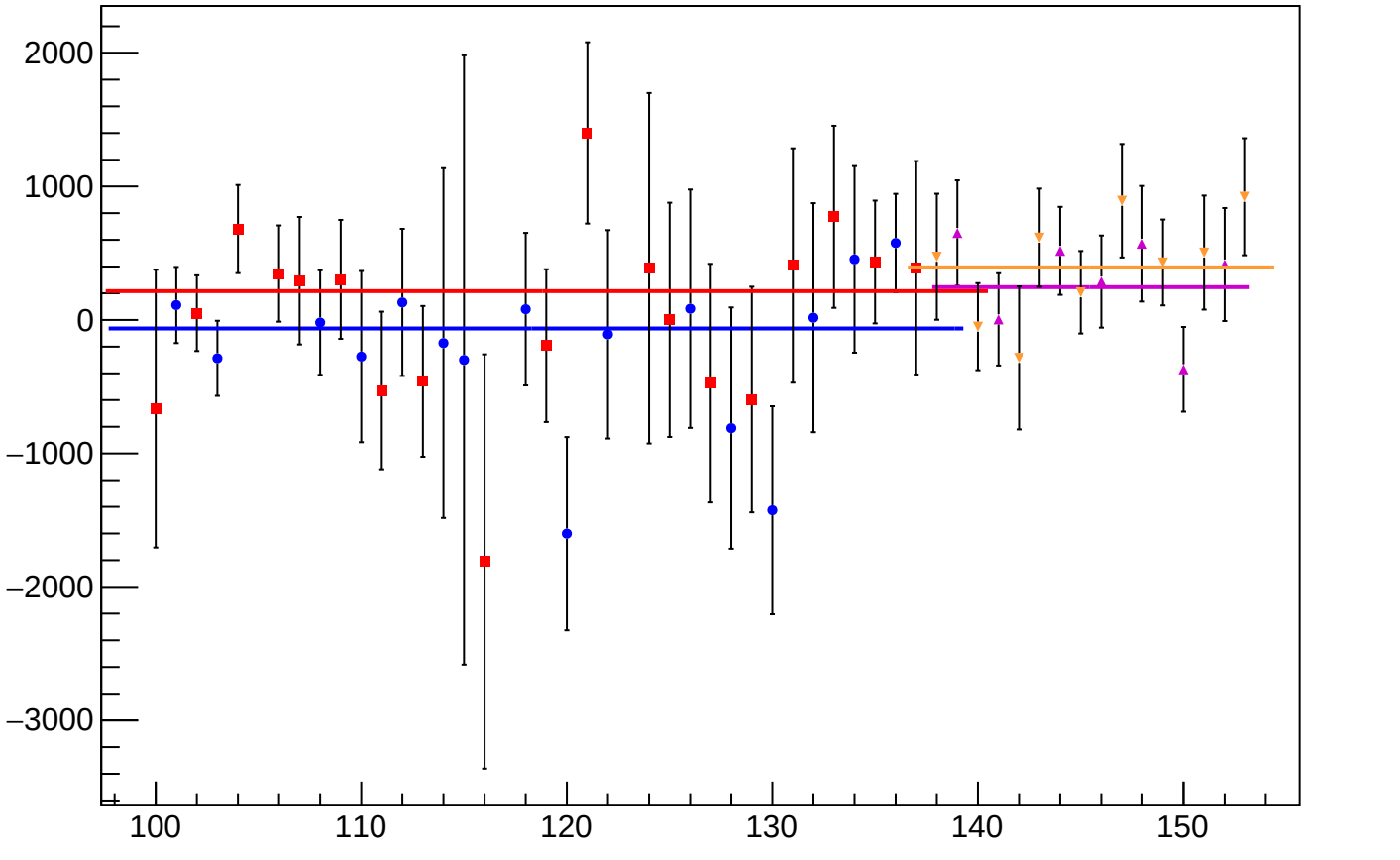
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 58.525+/-0.017 χ^2/NDF:133186.2/6

+ sign 60.483+/-0.011 χ^2/NDF: 479355.2/24

All: 60.140+/-0.008 χ^2/NDF: 912640.5/50

- sign 59.789+/-0.012 χ^2/NDF: 431467.5/25



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 393.629+/-127.897 χ^2/NDF:7.1/8

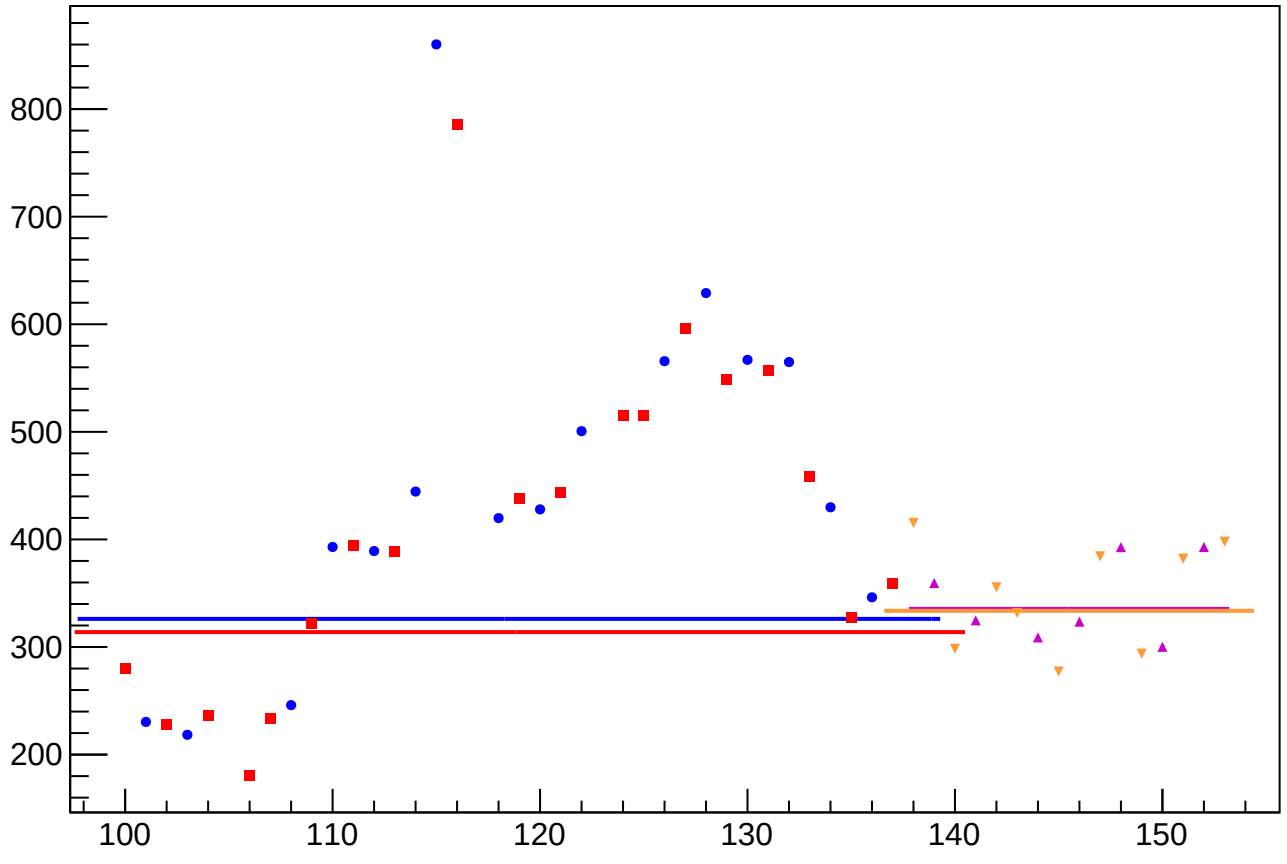
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 245.803+/-137.024 χ^2/NDF:6.7/6

+ sign 168.063+/-91.059 χ^2/NDF: 26.6/24

All: 198.460+/-64.626 χ^2/NDF: 47.7/50

- sign 229.309+/-91.734 χ^2/NDF: 20.9/25



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 333.639+/-0.090 χ^2/NDF:281268.5/8

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

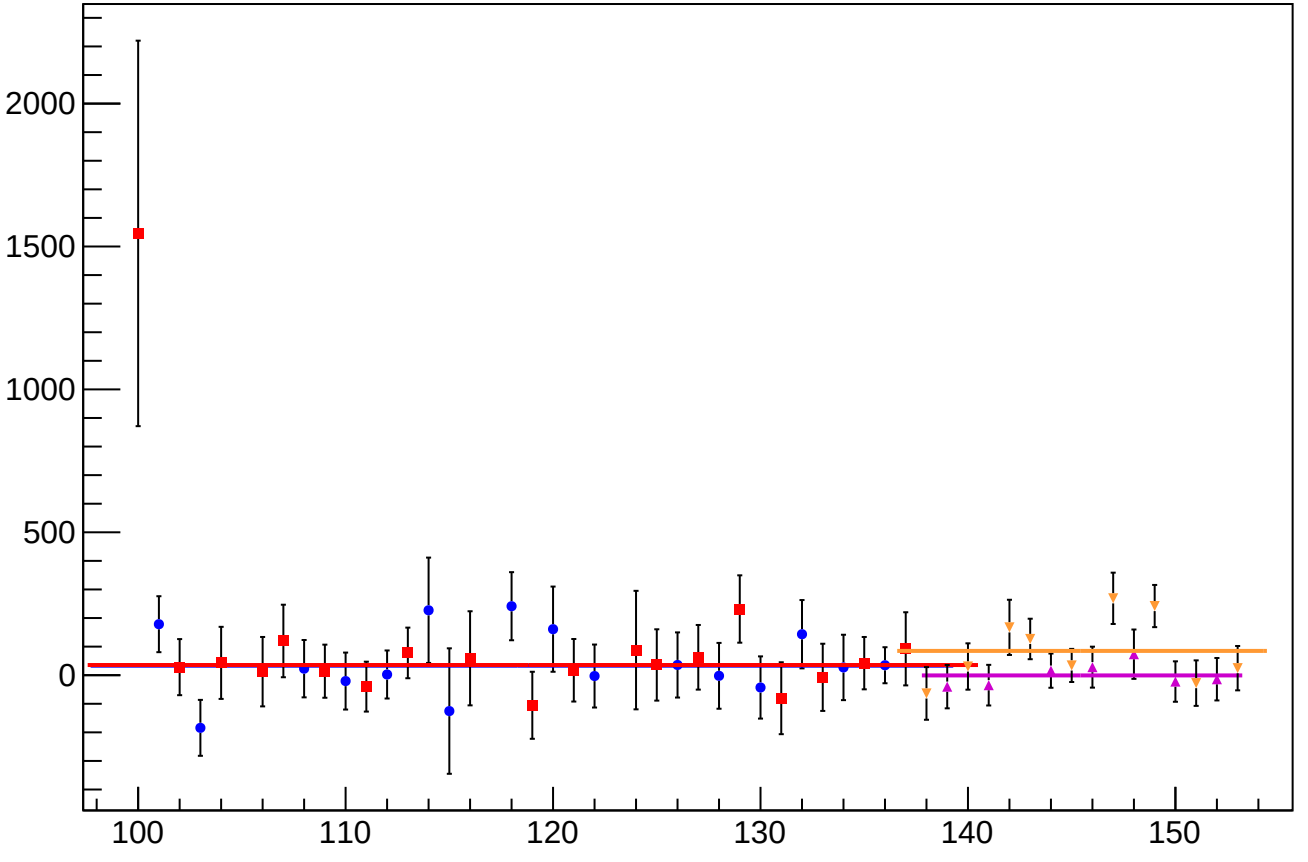
Left In: 335.437+/-0.097 χ^2/NDF:121437.2/6

+ sign 329.946+/-0.064 χ^2/NDF: 2018584.0/24

All: 326.762+/-0.046 χ^2/NDF: 3978090.4/50

- sign 323.531+/-0.065 χ^2/NDF: 1954579.9/25

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 84.975+/-25.770 χ^2/NDF:16.2/8

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

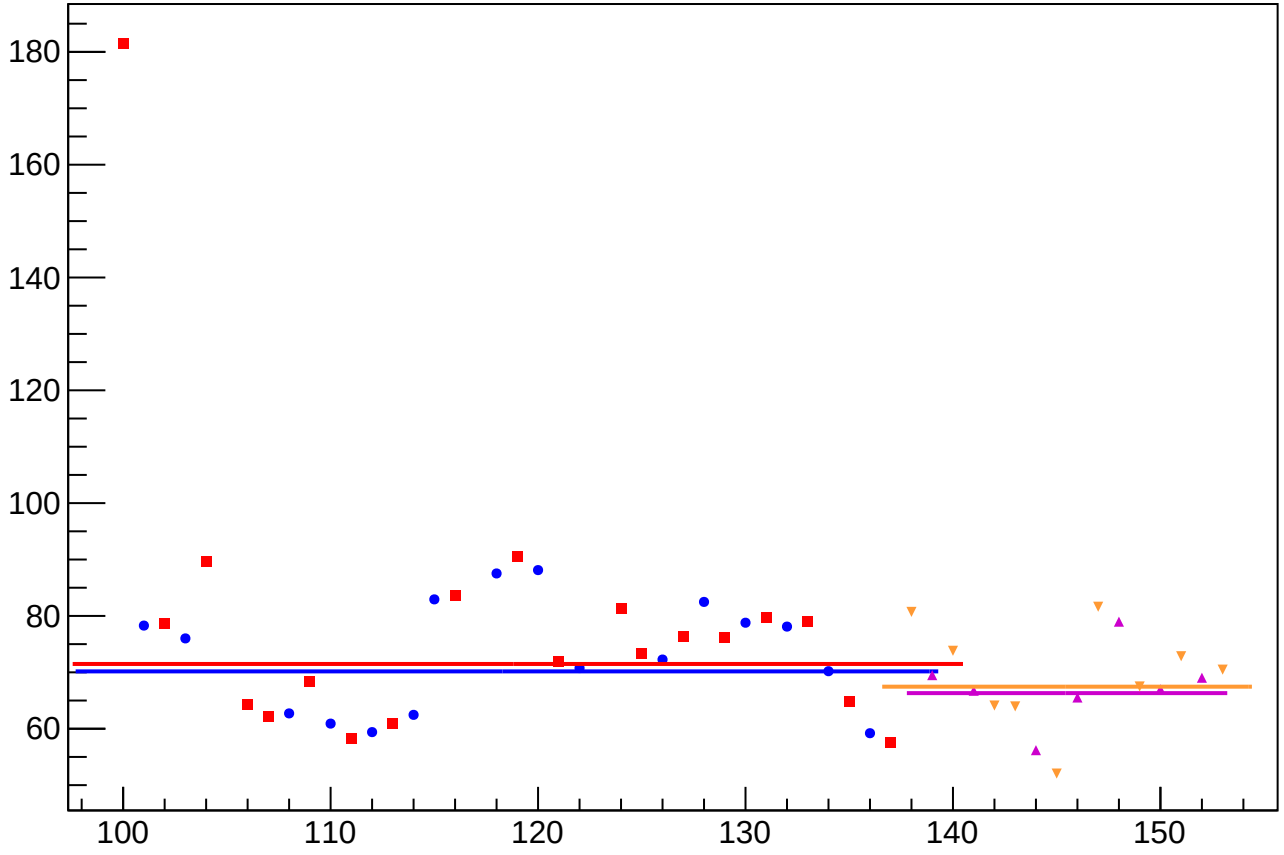
Left In: -0.789+/-27.107 χ^2/NDF:1.6/6

+ sign 59.824+/-18.446 χ^2/NDF: 32.7/24

All: 39.383+/-13.222 χ^2/NDF: 49.9/50

- sign 17.781+/-18.963 χ^2/NDF: 14.6/25

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 67.457+/-0.018 χ^2/NDF:264573.5/8

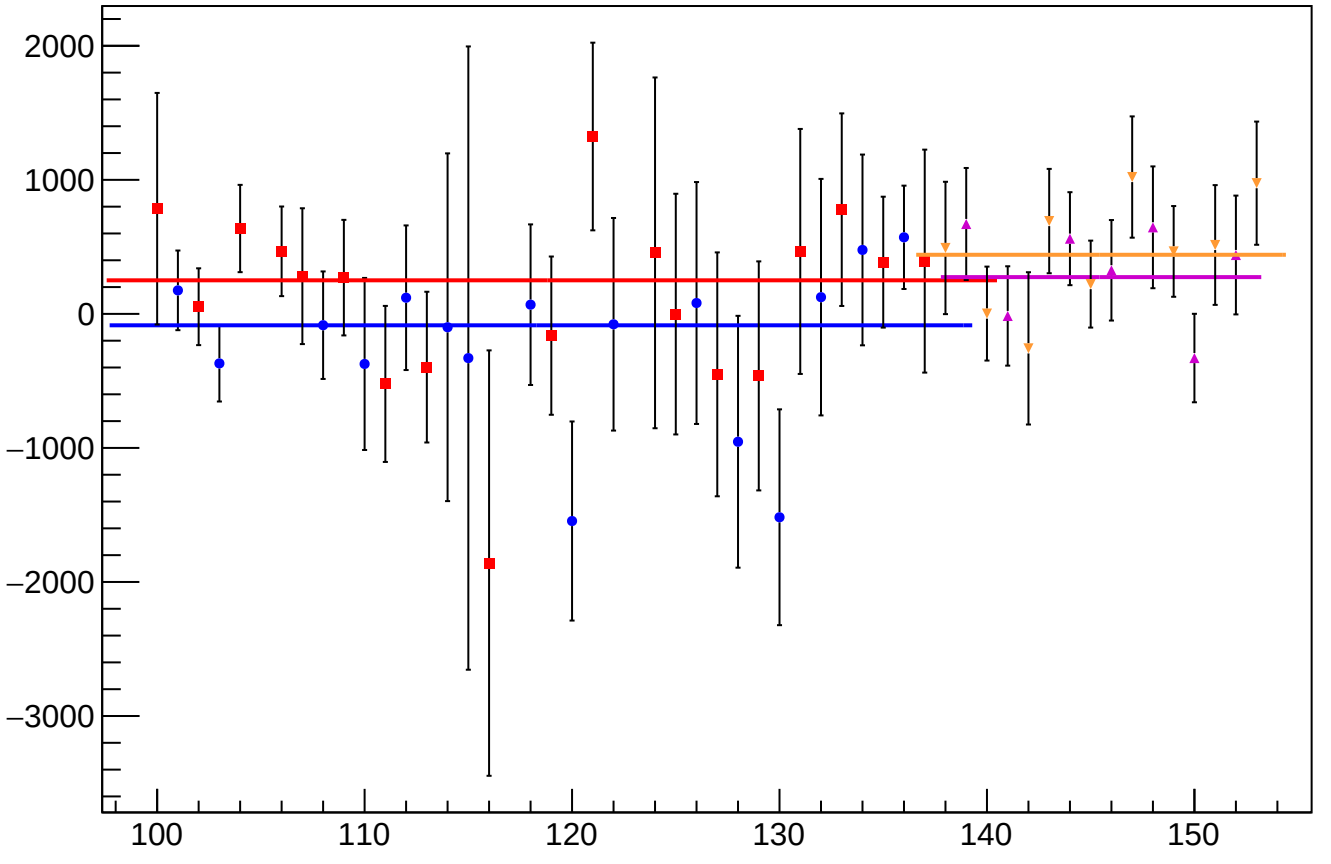
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 66.314+/-0.019 χ^2/NDF:106897.4/6

+ sign 68.779+/-0.013 χ^2/NDF: 544612.0/24

All: 68.864+/-0.009 χ^2/NDF: 1014443.2/50

- sign 68.954+/-0.013 χ^2/NDF: 469743.6/25



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 440.994+/-135.076 χ^2/NDF:7.0/8

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

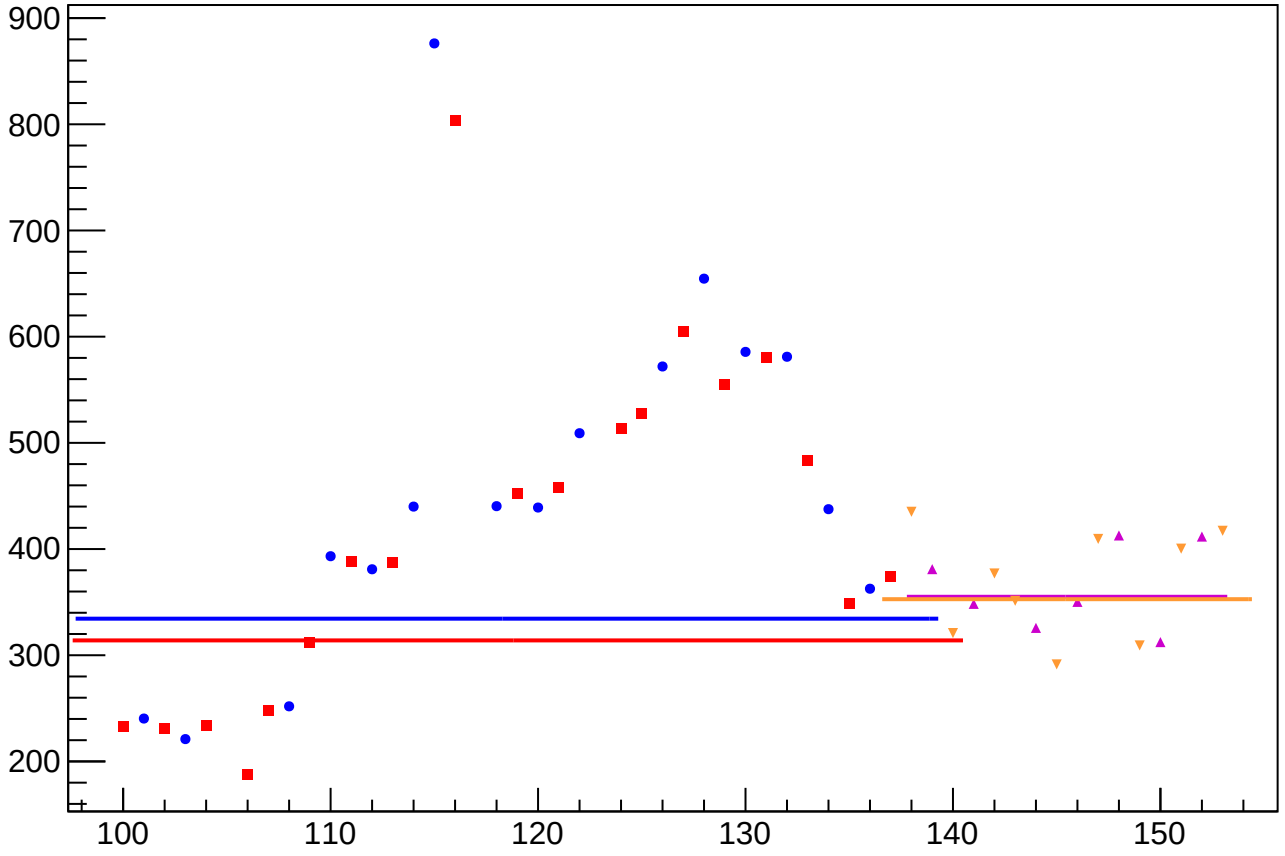
Left In: 274.388+/-145.026 χ^2/NDF:6.4/6

+ sign 173.586+/-94.726 χ^2/NDF: 28.4/24

All: 217.399+/-66.701 χ^2/NDF: 47.7/50

- sign 260.487+/-93.939 χ^2/NDF: 18.9/25

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 352.783+/-0.096 χ^2/NDF:274073.5/8

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

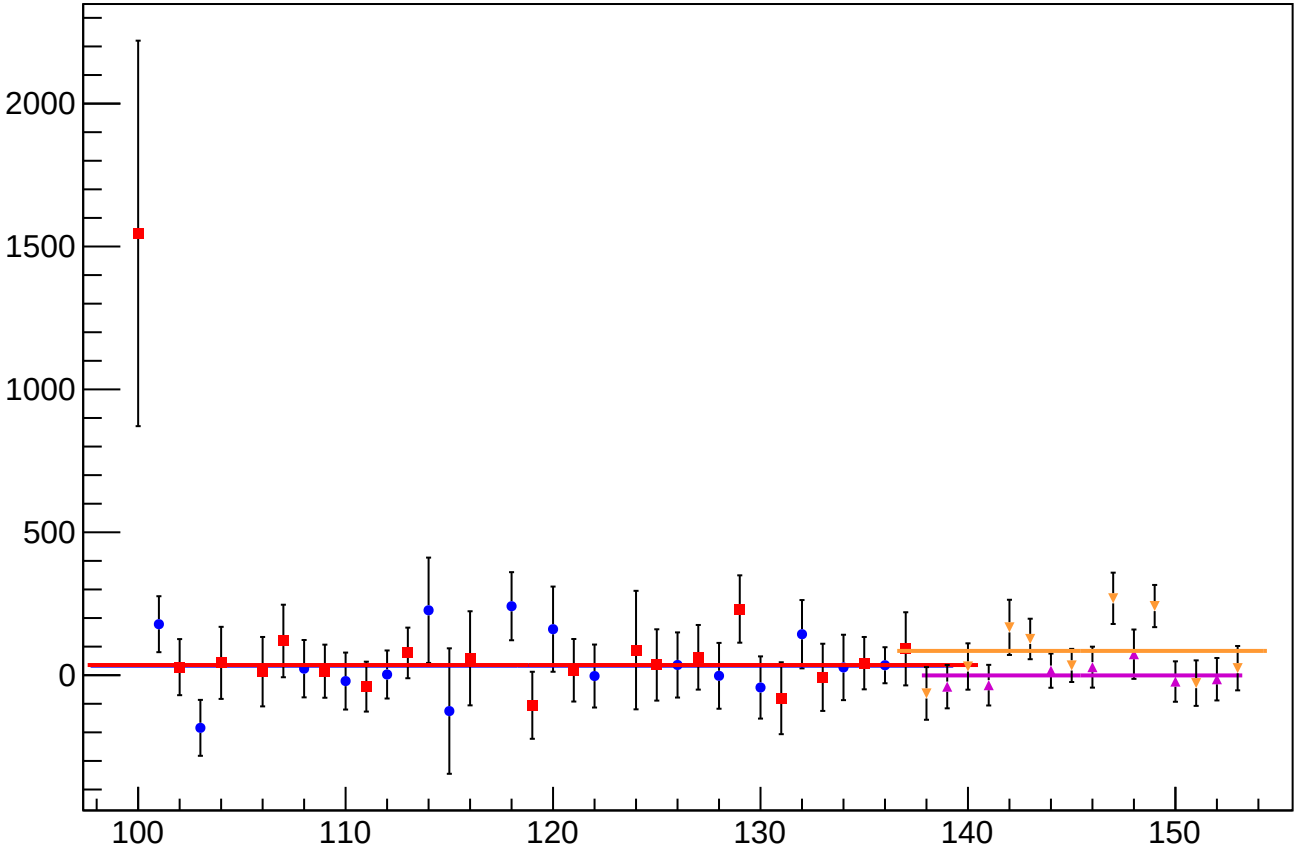
Left In: 355.048+/-0.103 χ^2/NDF:121469.1/6

+ sign 343.456+/-0.067 χ^2/NDF: 2023446.1/24

All: 337.280+/-0.047 χ^2/NDF: 4159515.5/50

- sign 331.205+/-0.066 χ^2/NDF: 2119203.8/25

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 84.974+/-25.770 χ^2/NDF:16.2/8

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

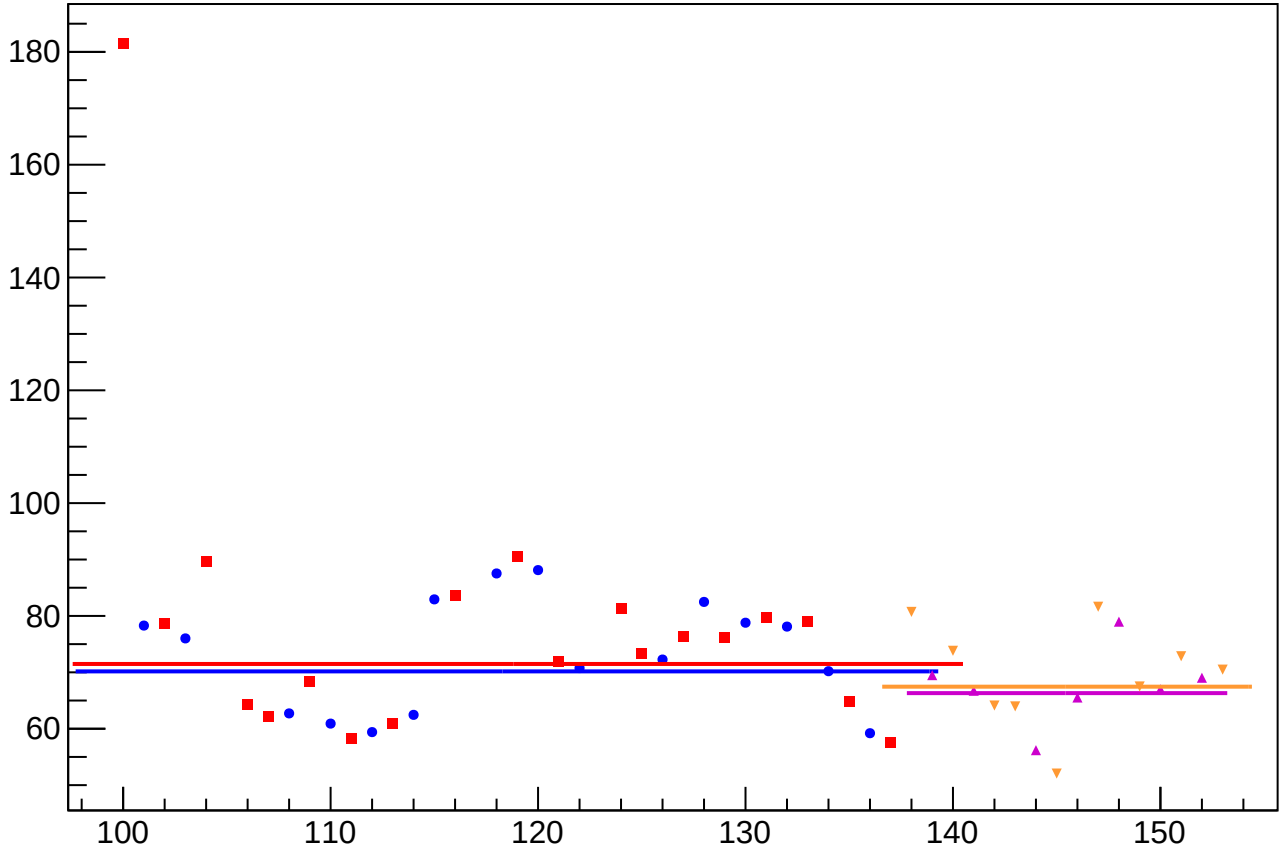
Left In: -0.789+/-27.107 χ^2/NDF:1.6/6

+ sign 59.823+/-18.446 χ^2/NDF: 32.7/24

All: 39.383+/-13.222 χ^2/NDF: 49.9/50

- sign 17.781+/-18.963 χ^2/NDF: 14.6/25

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 67.457+/-0.018 χ^2/NDF:264577.3/8

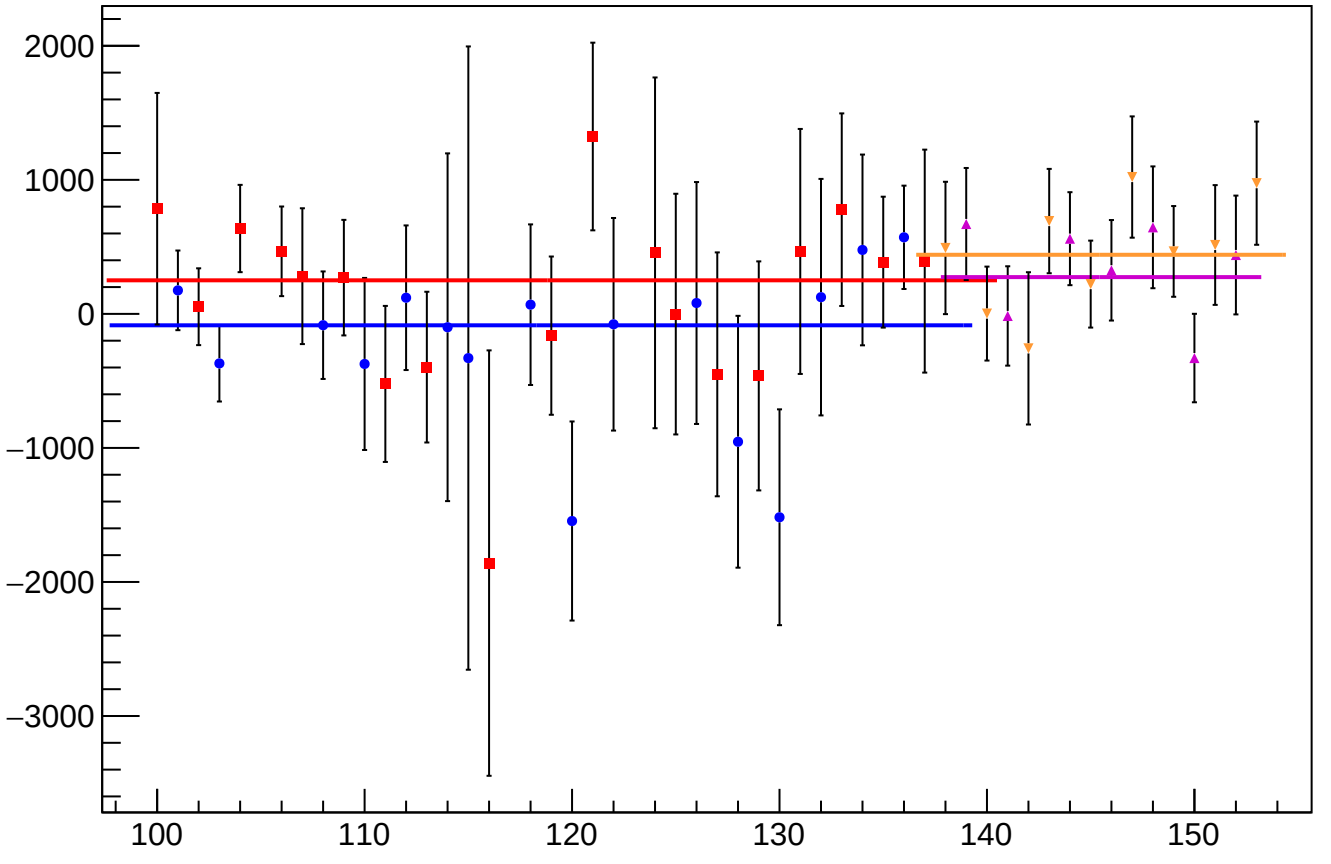
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 66.314+/-0.019 χ^2/NDF:106897.4/6

+ sign 68.779+/-0.013 χ^2/NDF: 544620.3/24

All: 68.864+/-0.009 χ^2/NDF: 1014459.8/50

- sign 68.954+/-0.013 χ^2/NDF: 469751.8/25



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 440.993+/-135.076 χ^2/NDF:7.0/8

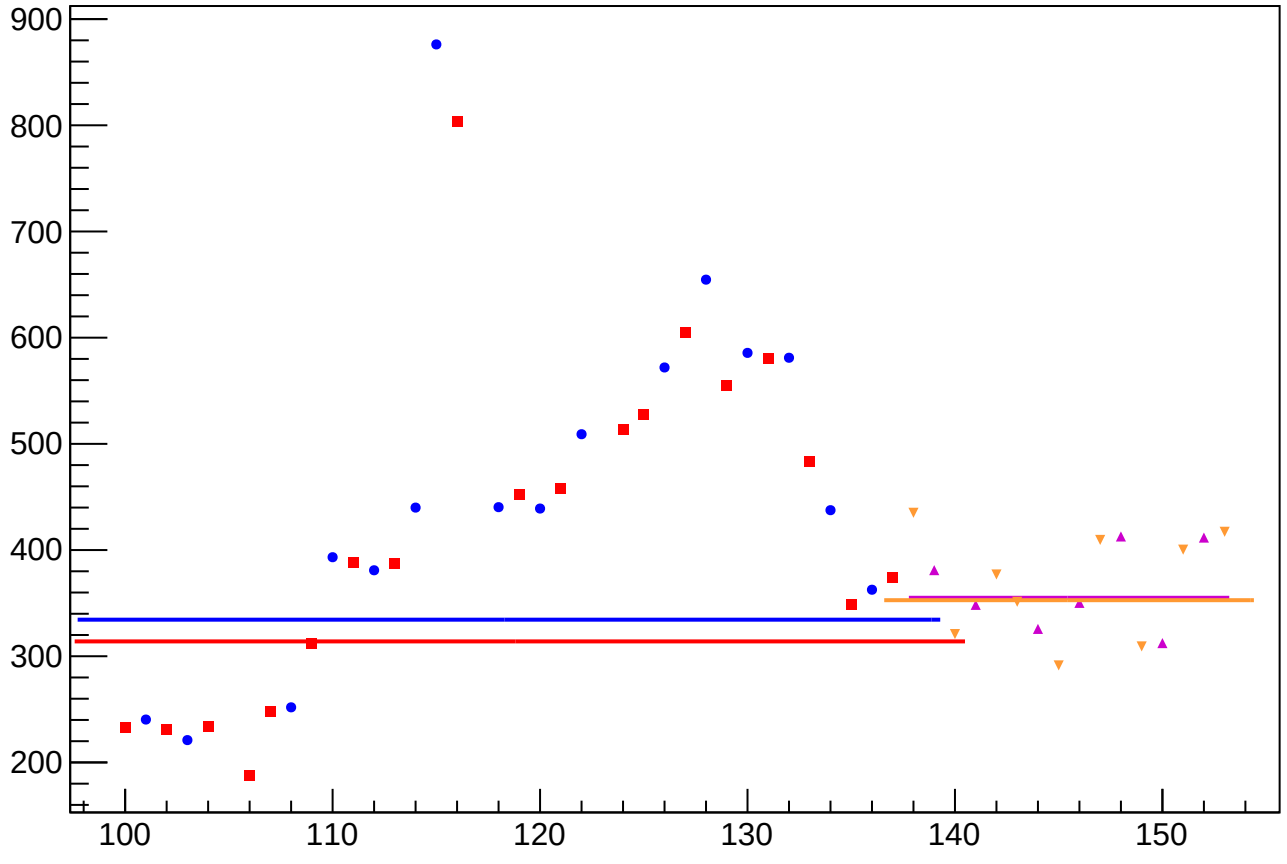
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 274.388+/-145.026 χ^2/NDF:6.4/6

+ sign 173.586+/-94.726 χ^2/NDF: 28.4/24

All: 217.399+/-66.701 χ^2/NDF: 47.7/50

- sign 260.488+/-93.939 χ^2/NDF: 18.9/25



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 352.783+/-0.096 χ^2/NDF:274076.0/8

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

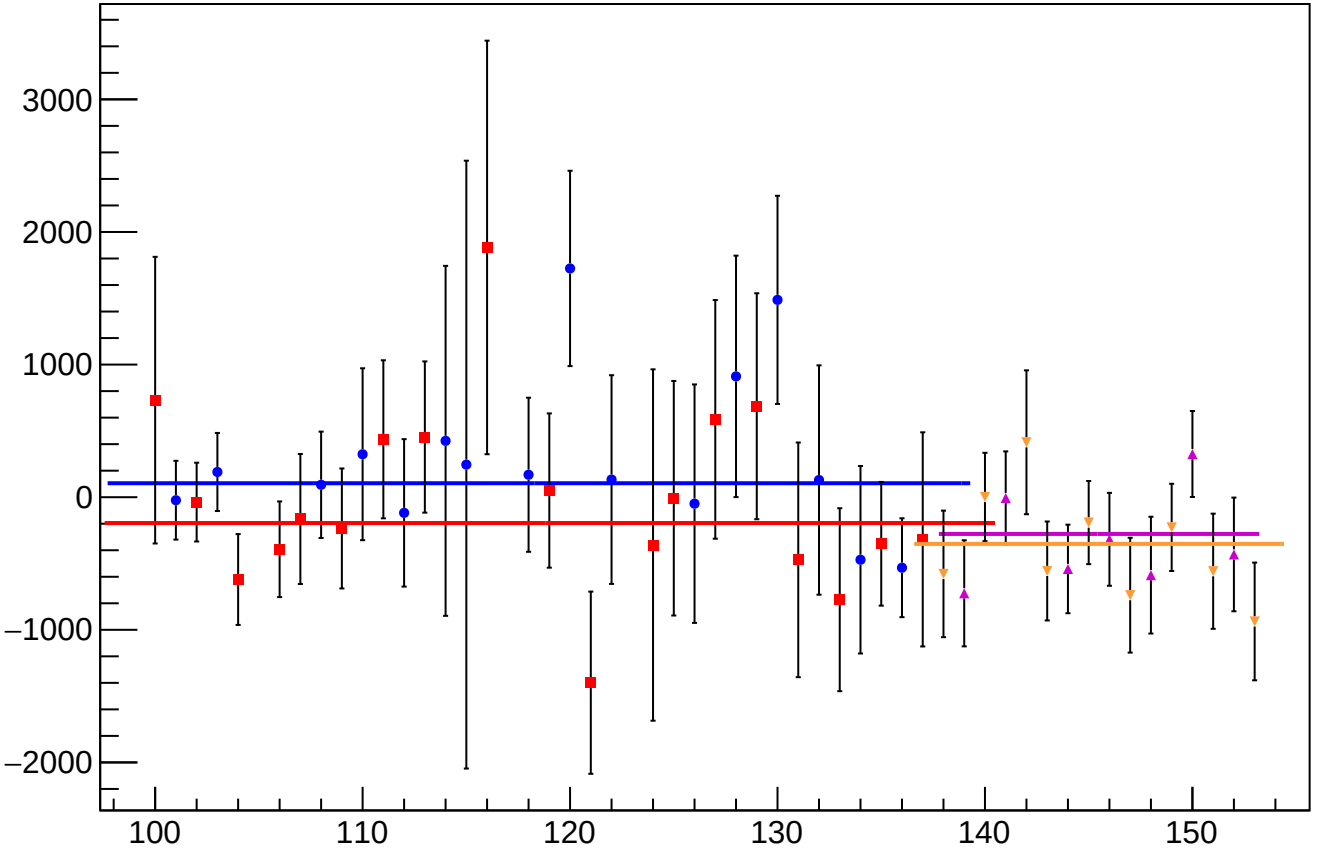
Left In: 355.048+/-0.103 χ^2/NDF:121468.4/6

+ sign 343.456+/-0.067 χ^2/NDF: 2023446.7/24

All: 337.280+/-0.047 χ^2/NDF: 4159513.8/50

- sign 331.205+/-0.066 χ^2/NDF: 2119201.5/25

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -352.136+/-130.034 χ^2/NDF:6.8/8

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

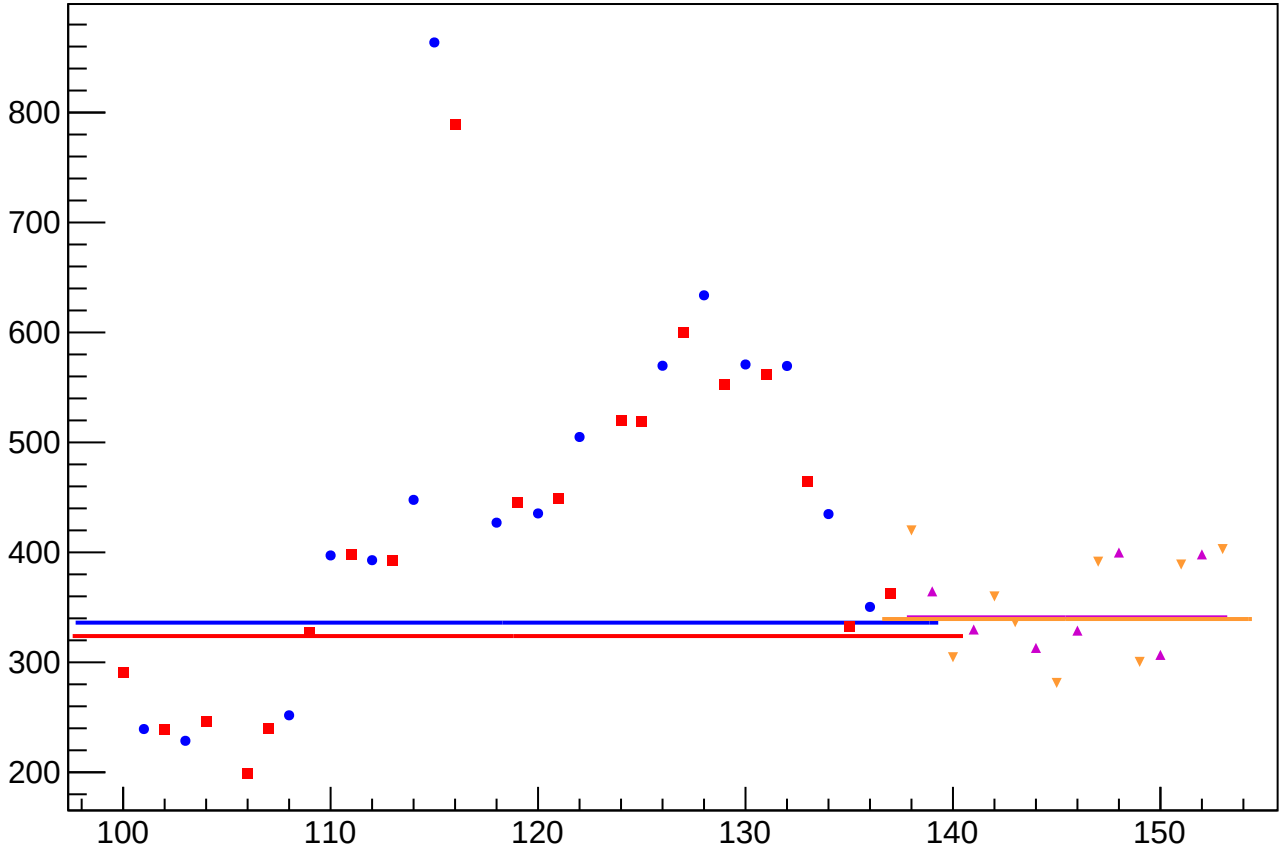
Left In: -277.069+/-139.220 χ^2/NDF:6.6/6

+ sign -128.610+/-92.994 χ^2/NDF: 25.8/24

All: -179.955+/-65.935 χ^2/NDF: 46.3/50

- sign -231.860+/-93.501 χ^2/NDF: 19.9/25

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 339.385+/-0.092 χ^2/NDF:274867.8/8

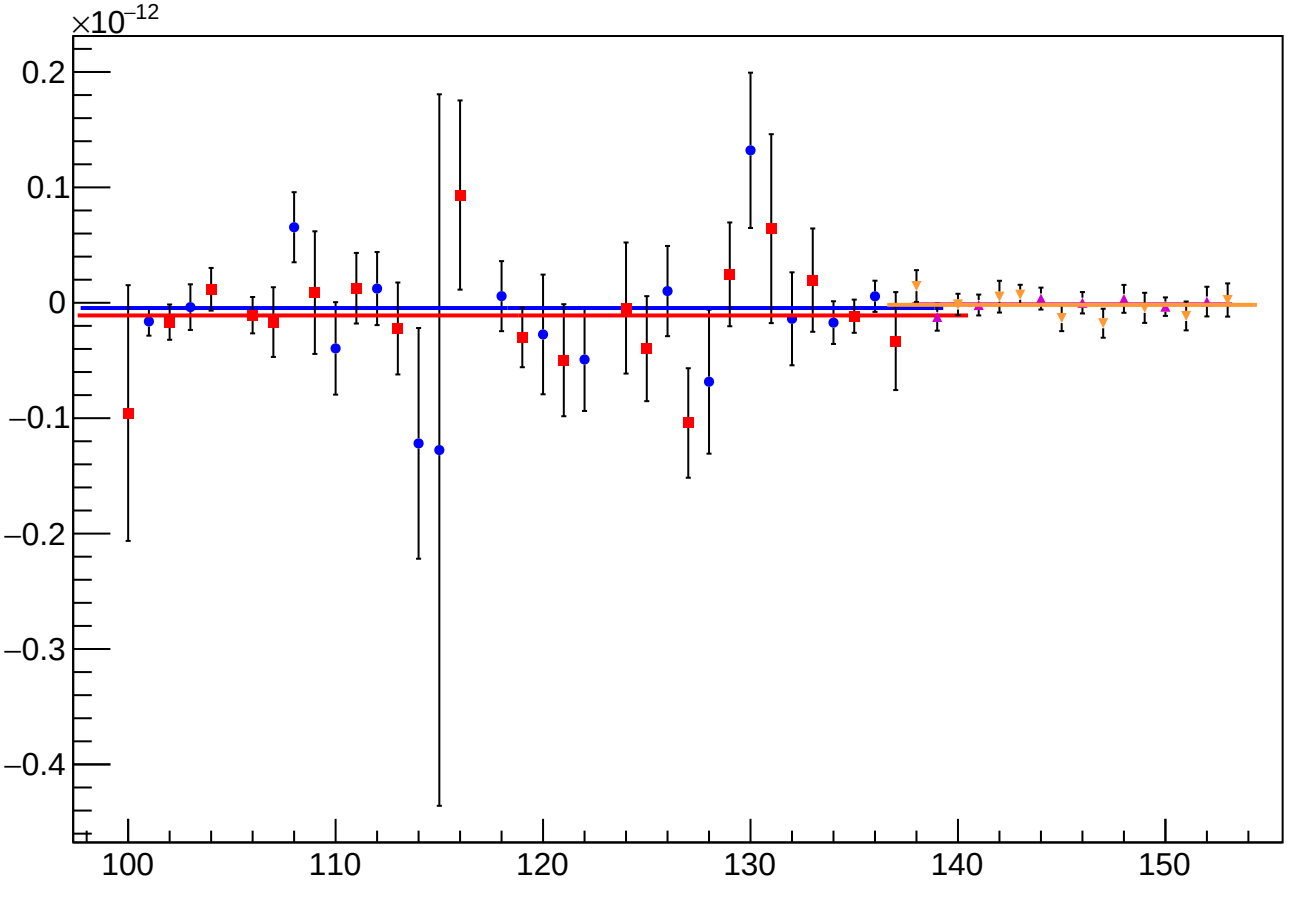
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 340.933+/-0.098 χ^2/NDF:118912.5/6

+ sign 337.776+/-0.066 χ^2/NDF: 1894491.7/24

All: 334.692+/-0.047 χ^2/NDF: 3699710.2/50

- sign 331.575+/-0.066 χ^2/NDF: 1800795.4/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

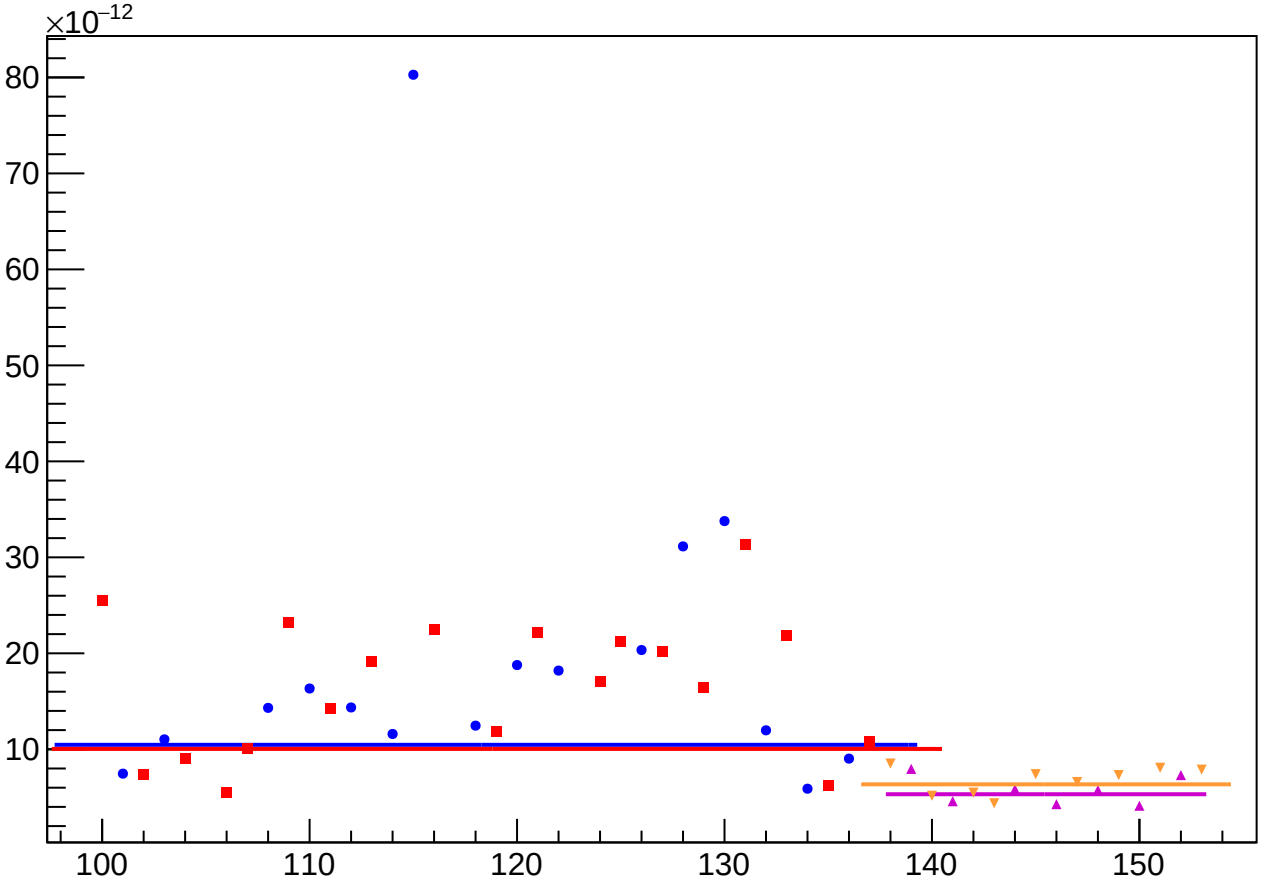
Left In: -0.000+/-0.000 χ^2/NDF:1.4/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.7/24

All: -0.000+/-0.000 χ^2/NDF: 38.2/50

- sign -0.000+/-0.000 χ^2/NDF: 15.5/25

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:285839.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

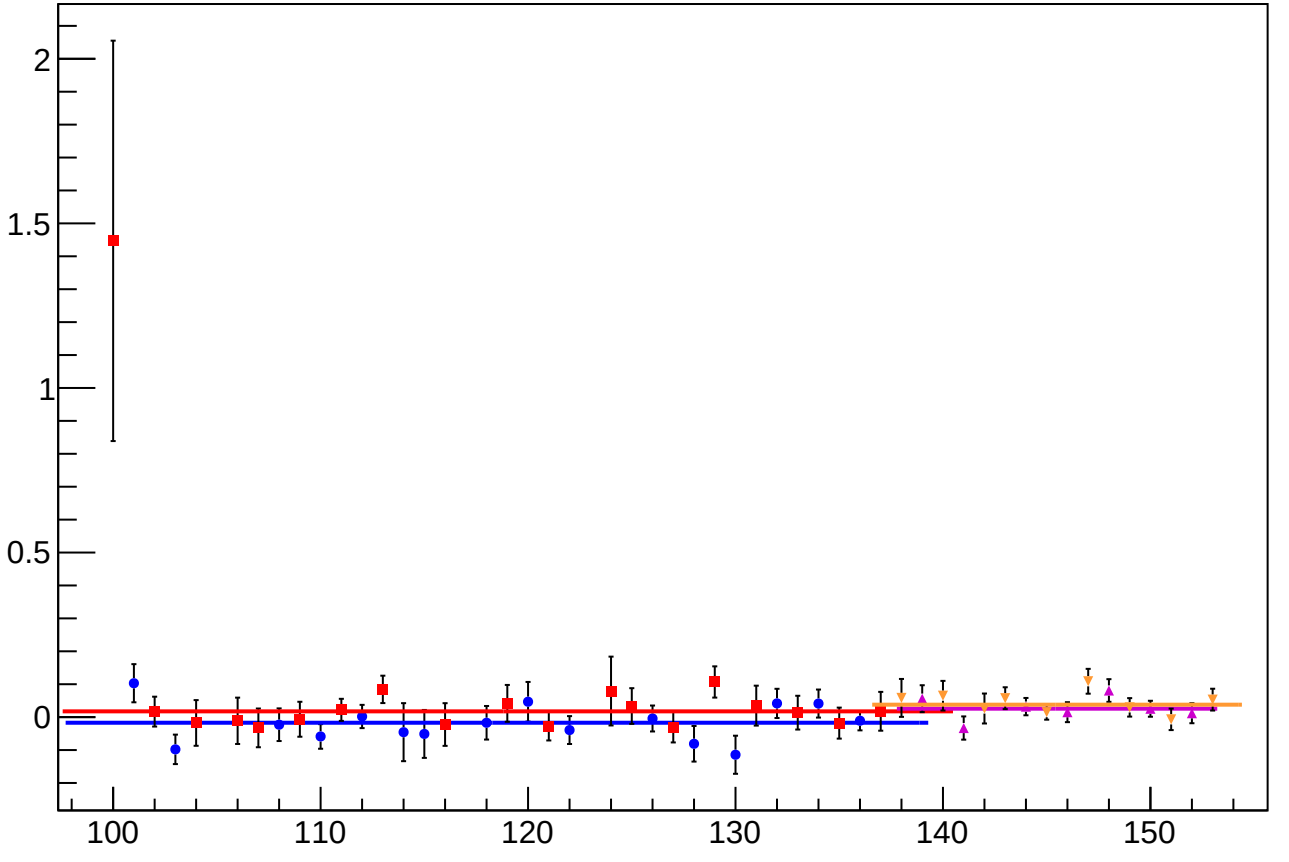
Left In: 0.000+/-0.000 χ^2/NDF:237814.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 2070375.1/24

All: 0.000+/-0.000 χ^2/NDF: 4605806.8/50

- sign 0.000+/-0.000 χ^2/NDF: 2458906.7/25

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.038+/-0.011 χ^2/NDF:7.6/8

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

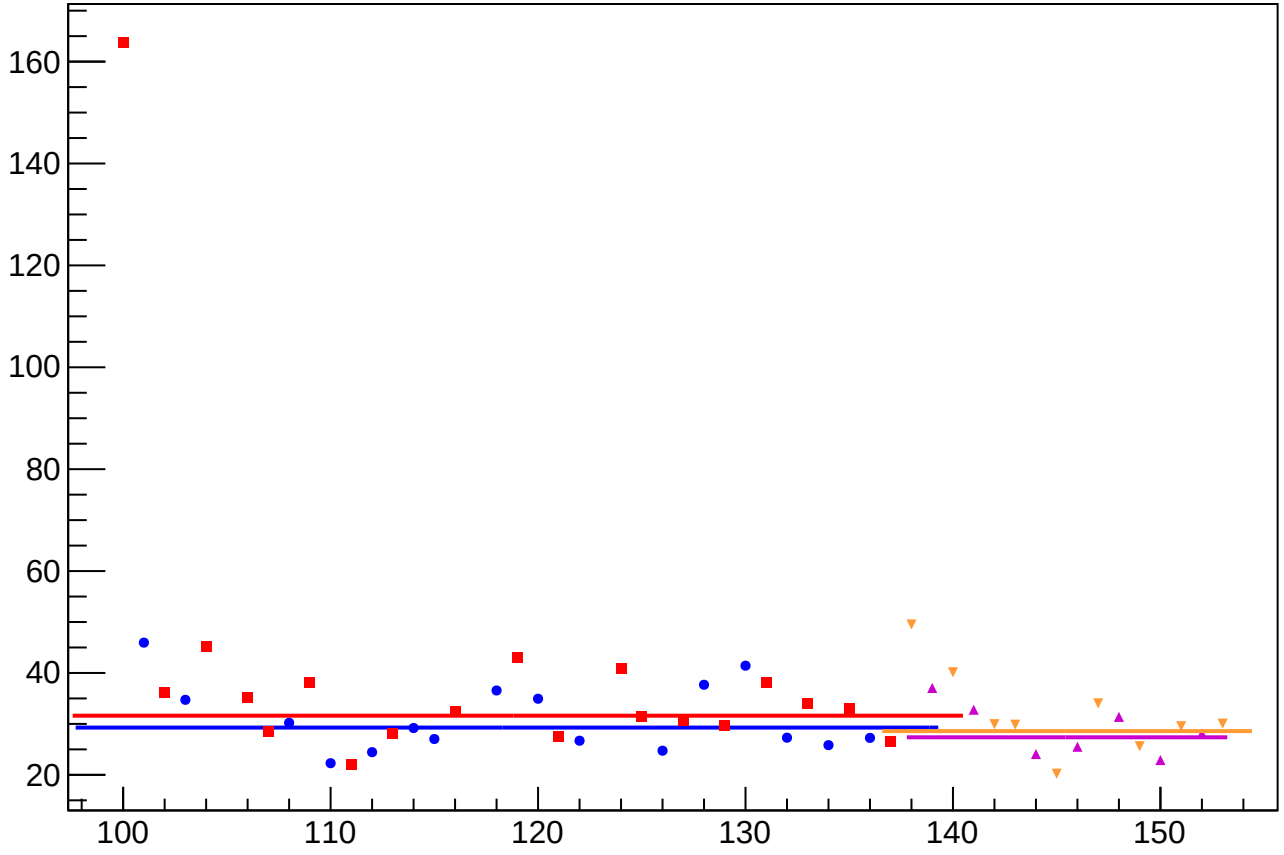
Left In: 0.026+/-0.012 χ^2/NDF:6.3/6

+ sign 0.011+/-0.008 χ^2/NDF: 38.3/24

All: 0.016+/-0.006 χ^2/NDF: 62.5/50

- sign 0.022+/-0.008 χ^2/NDF: 23.3/25

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.589+/-0.008 χ^2/NDF:738741.8/8

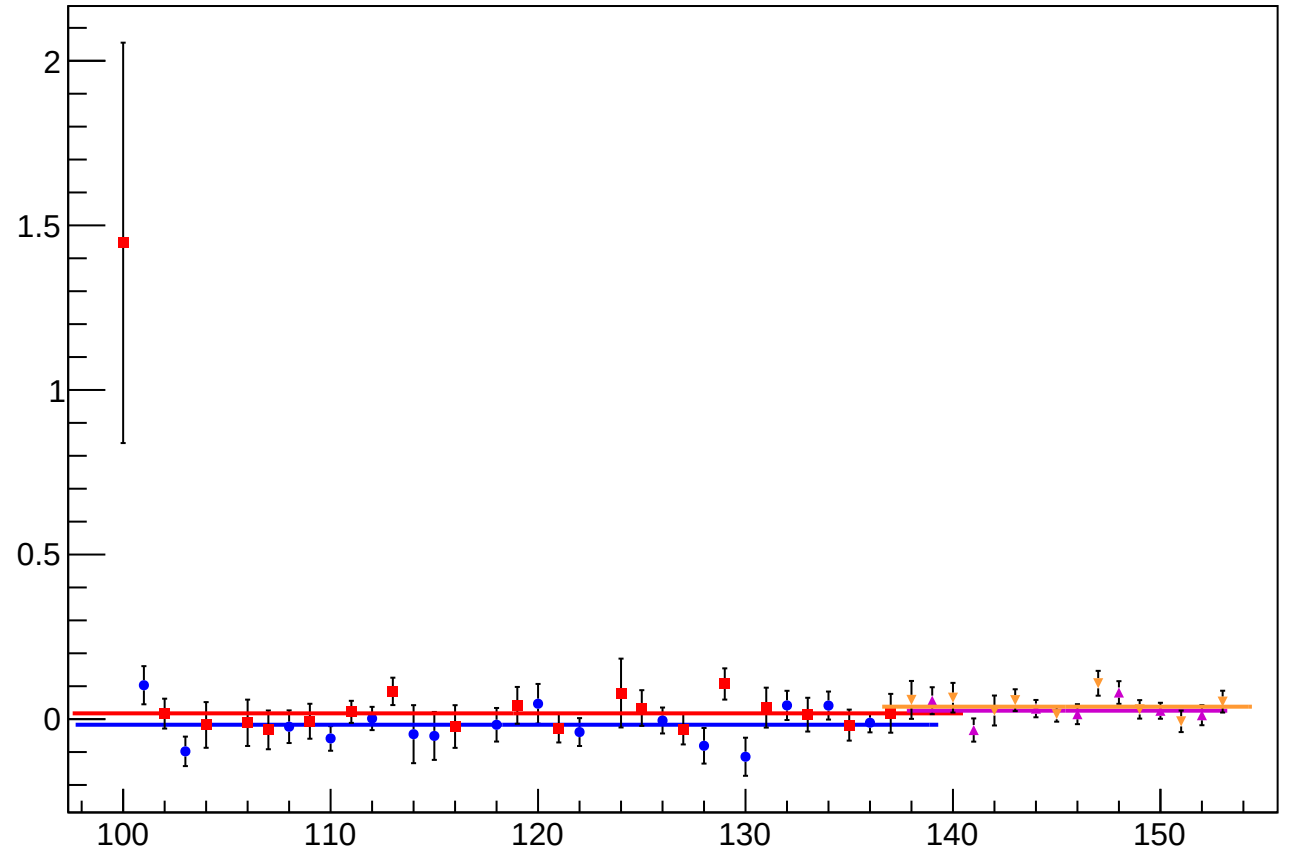
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.370+/-0.008 χ^2/NDF:294411.8/6

+ sign 28.930+/-0.006 χ^2/NDF: 1303126.3/24

All: 29.147+/-0.004 χ^2/NDF: 2302075.5/50

- sign 29.384+/-0.006 χ^2/NDF: 995861.5/25



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.038+/-0.011 χ^2/NDF:7.6/8

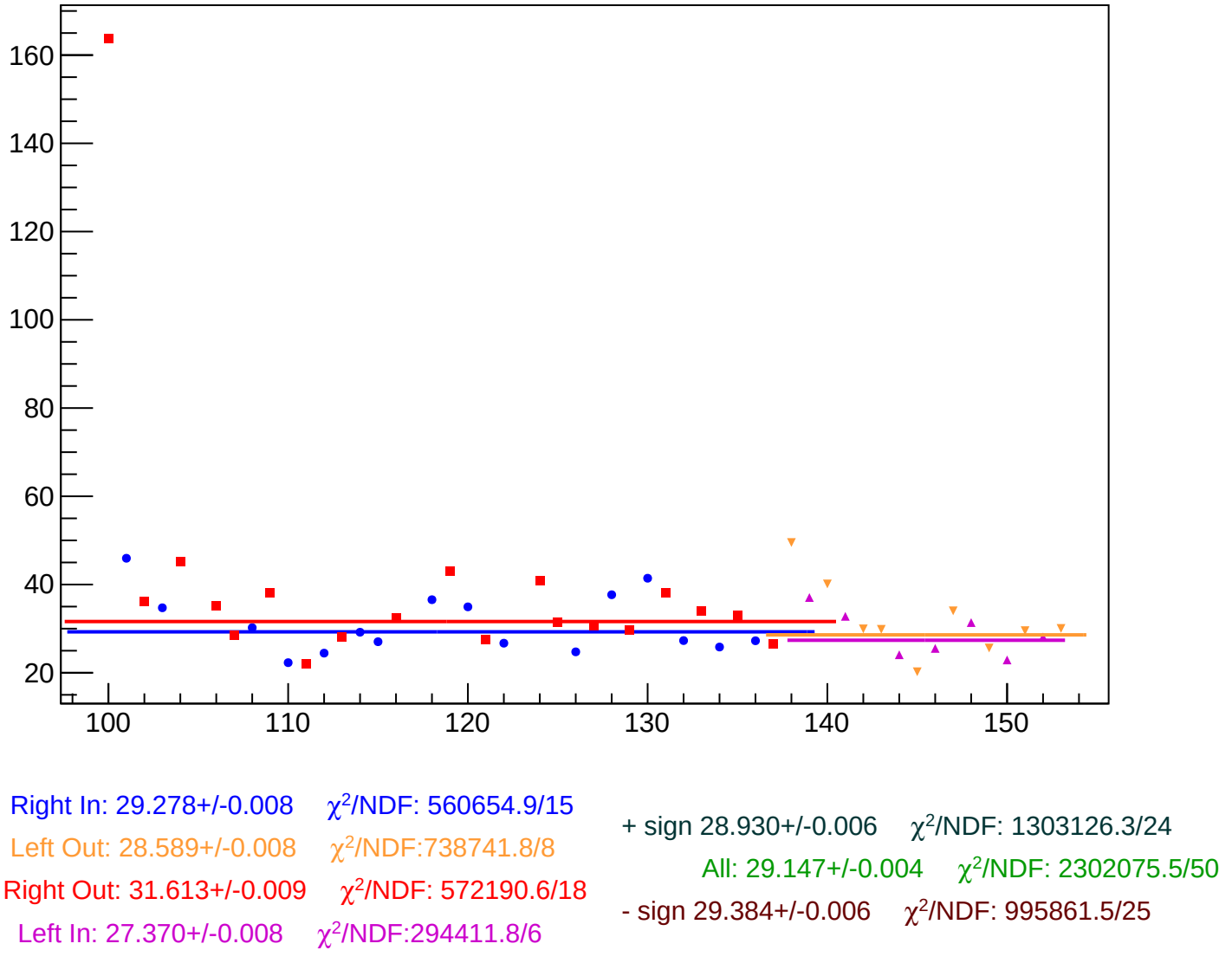
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

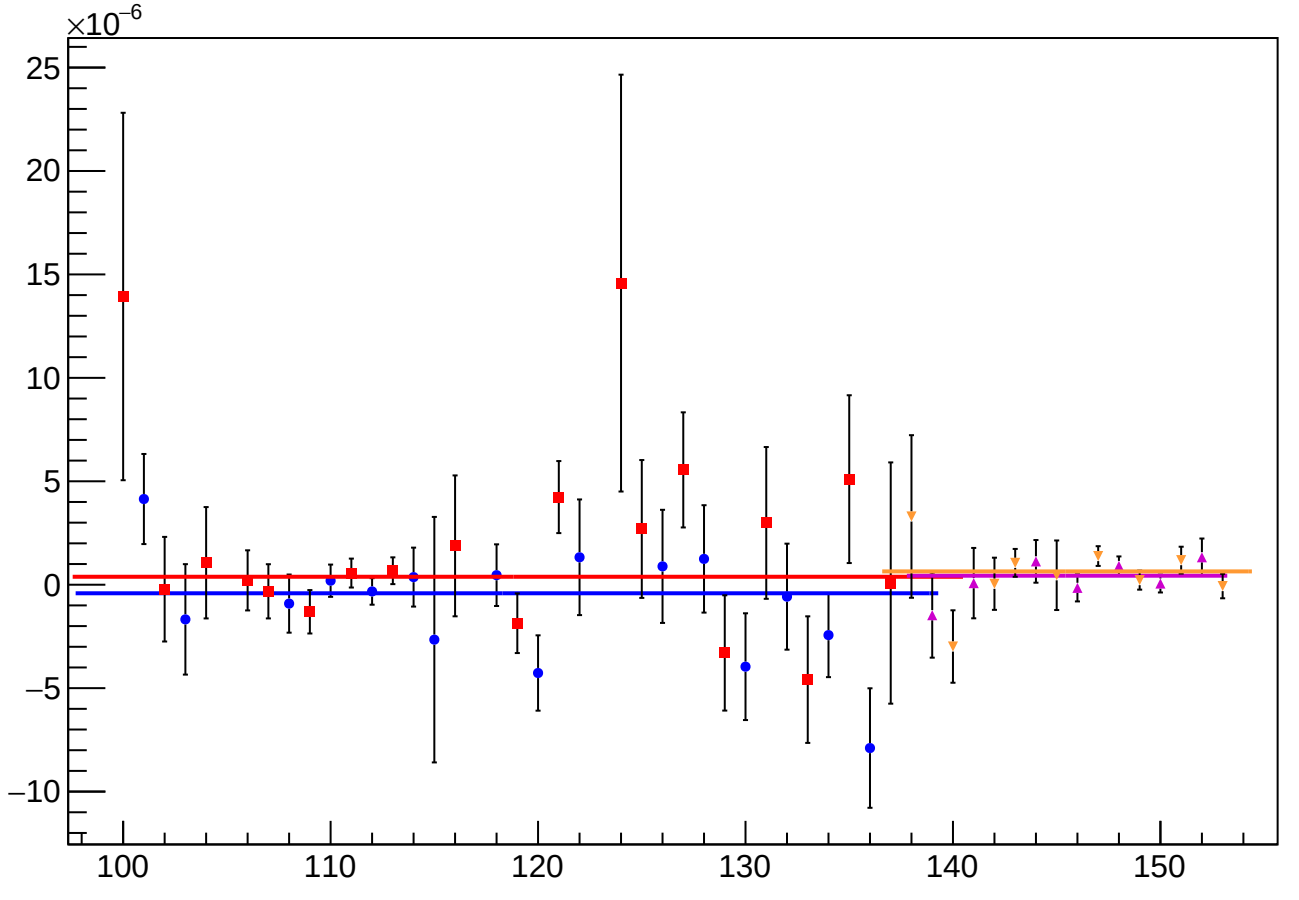
Left In: 0.026+/-0.012 χ^2/NDF:6.3/6

+ sign 0.011+/-0.008 χ^2/NDF: 38.3/24

All: 0.016+/-0.006 χ^2/NDF: 62.5/50

- sign 0.022+/-0.008 χ^2/NDF: 23.3/25


asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug
160
140
120
100
80
60
40
20
100
110
120
130
140
150
Right In: 29.278+/-0.008 χ²/NDF: 560654.9/15
Left Out: 28.589+/-0.008 χ²/NDF:738741.8/8
Right Out: 31.613+/-0.009 χ²/NDF: 572190.6/18
Left In: 27.370+/-0.008 χ²/NDF:294411.8/6
+ sign 28.930+/-0.006 χ²/NDF: 1303126.3/24
All: 29.147+/-0.004 χ²/NDF: 2302075.5/50
- sign 29.384+/-0.006 χ²/NDF: 995861.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/8

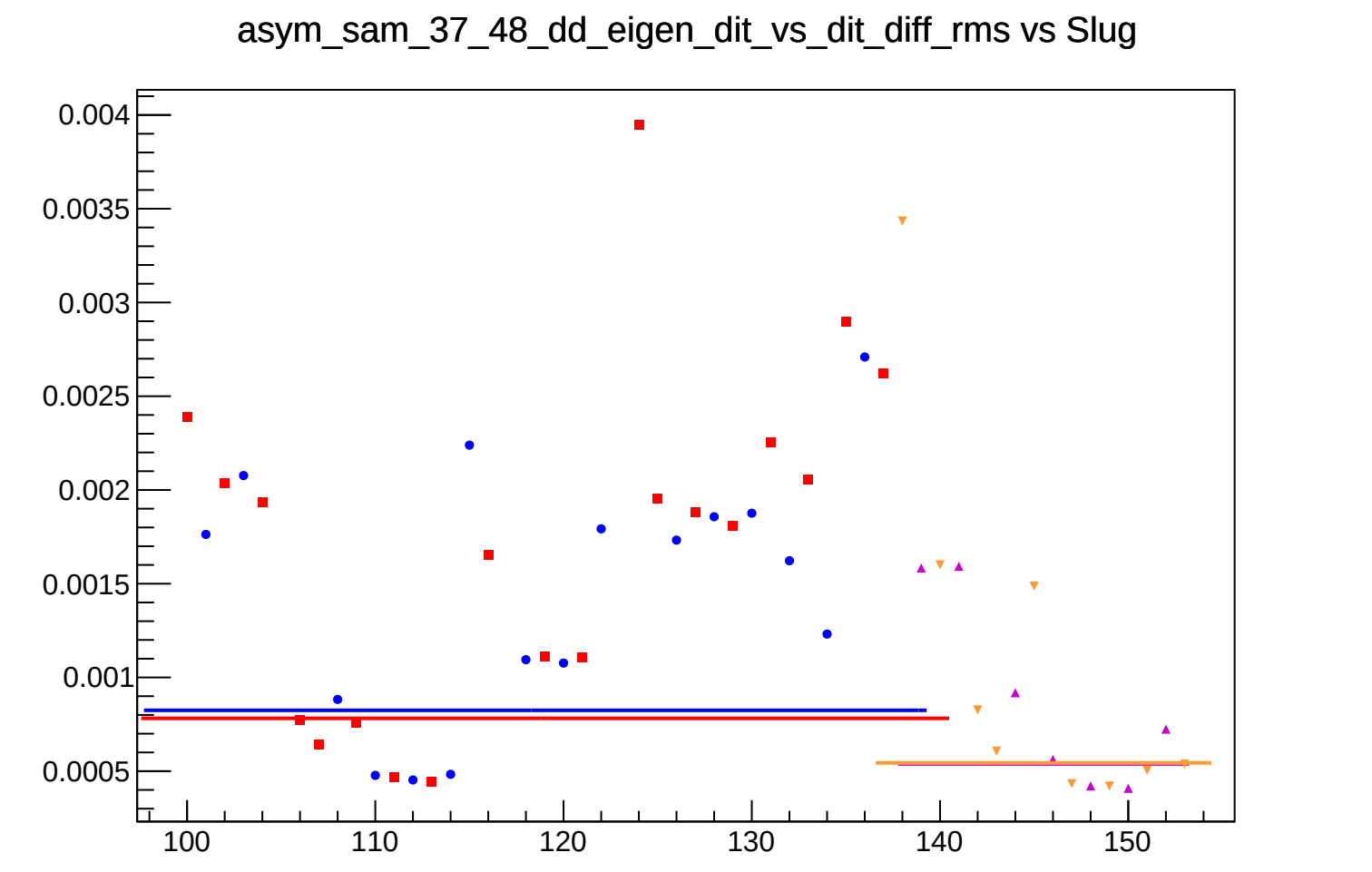
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

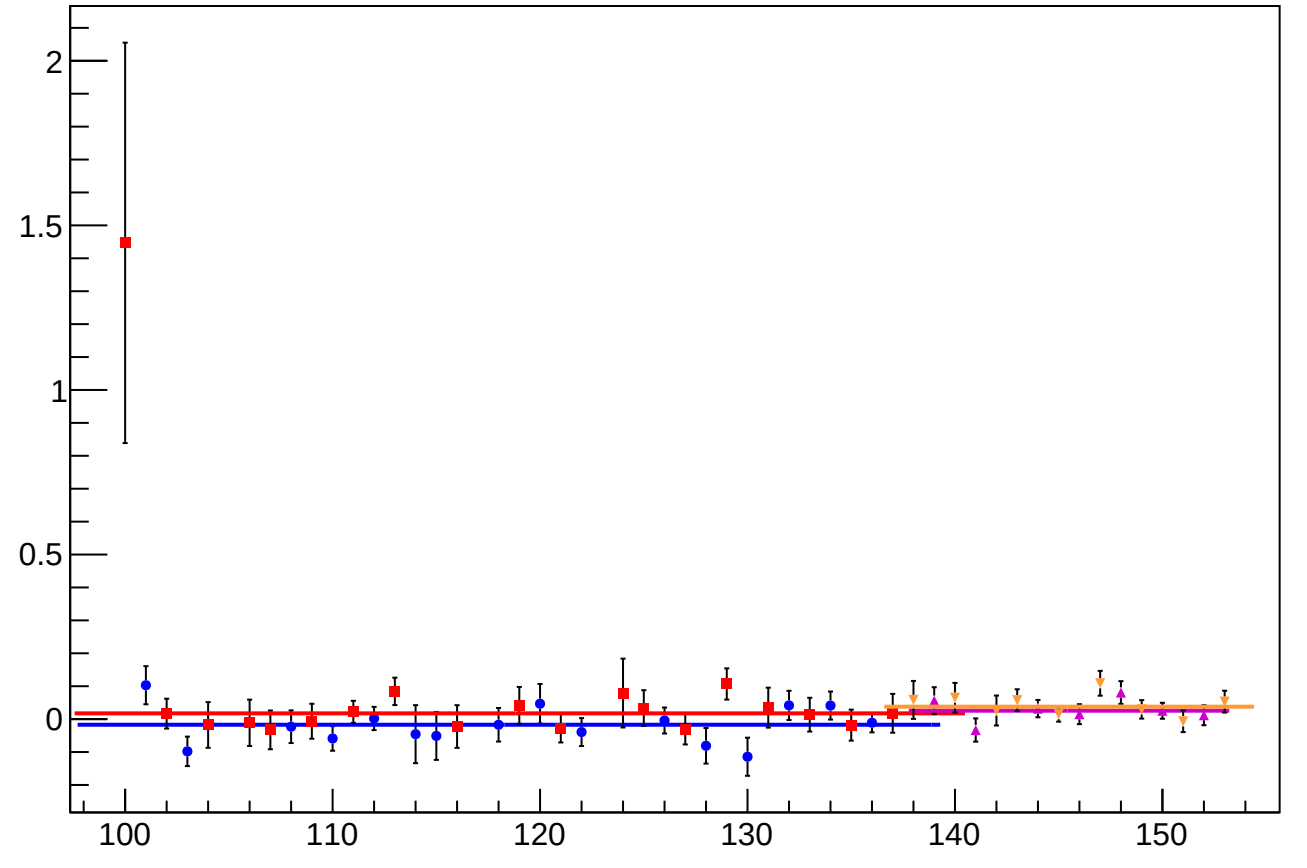
Left In: 0.000+/-0.000 χ^2/NDF:5.0/6

+ sign 0.000+/-0.000 χ^2/NDF: 37.8/24

All: 0.000+/-0.000 χ^2/NDF: 68.1/50

- sign 0.000+/-0.000 χ^2/NDF: 30.3/25


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2815773.3/8
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:1955868.2/6
+ sign 0.001+/-0.000 χ²/NDF: 8081195.8/24
All: 0.001+/-0.000 χ²/NDF: 15306639.7/50
- sign 0.001+/-0.000 χ²/NDF: 7225432.9/25



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.038+/-0.011 χ^2/NDF:7.6/8

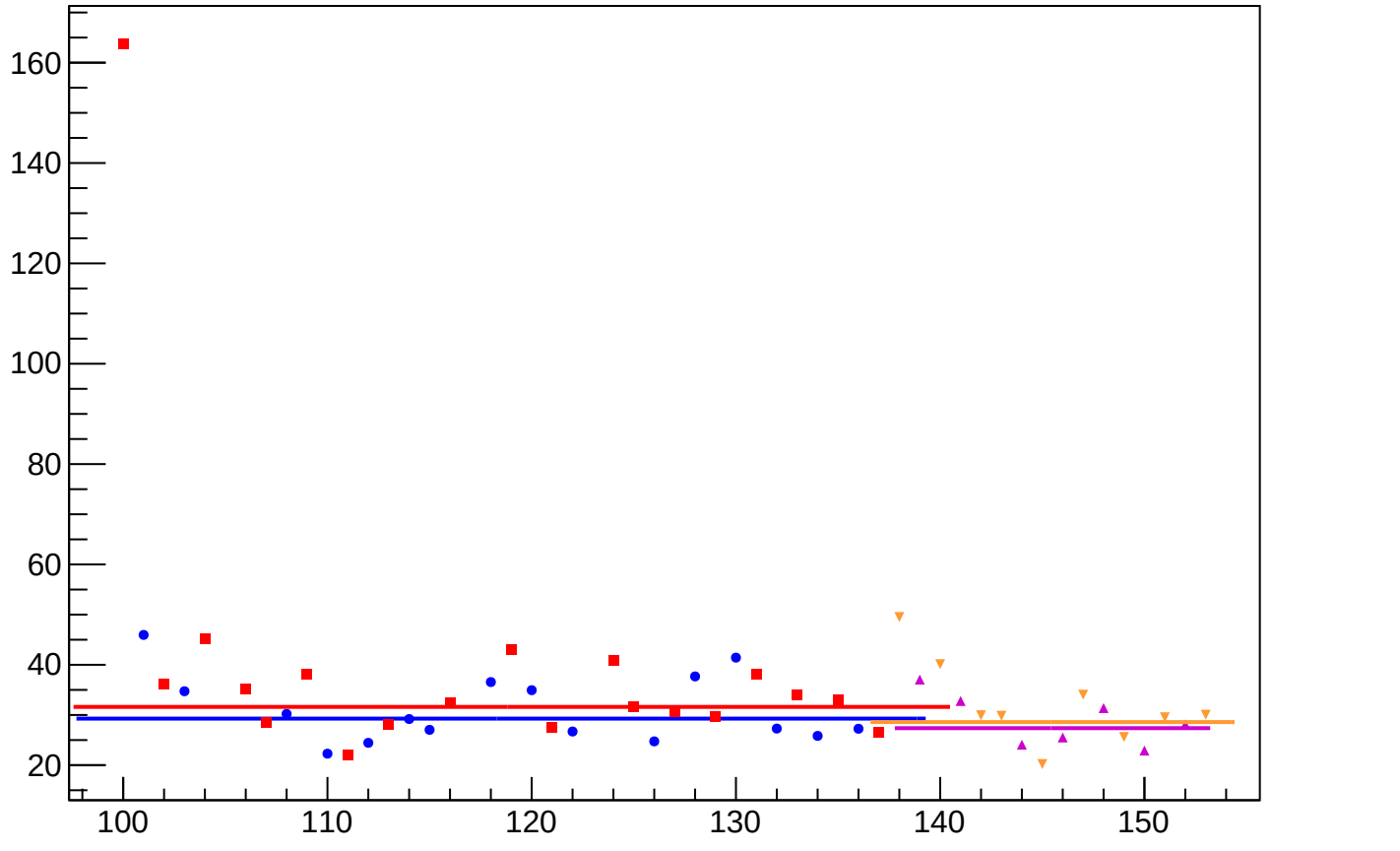
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.026+/-0.012 χ^2/NDF:6.3/6

+ sign 0.011+/-0.008 χ^2/NDF: 38.3/24

All: 0.016+/-0.006 χ^2/NDF: 62.5/50

- sign 0.022+/-0.008 χ^2/NDF: 23.3/25



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.589+/-0.008 χ^2/NDF:738791.1/8

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

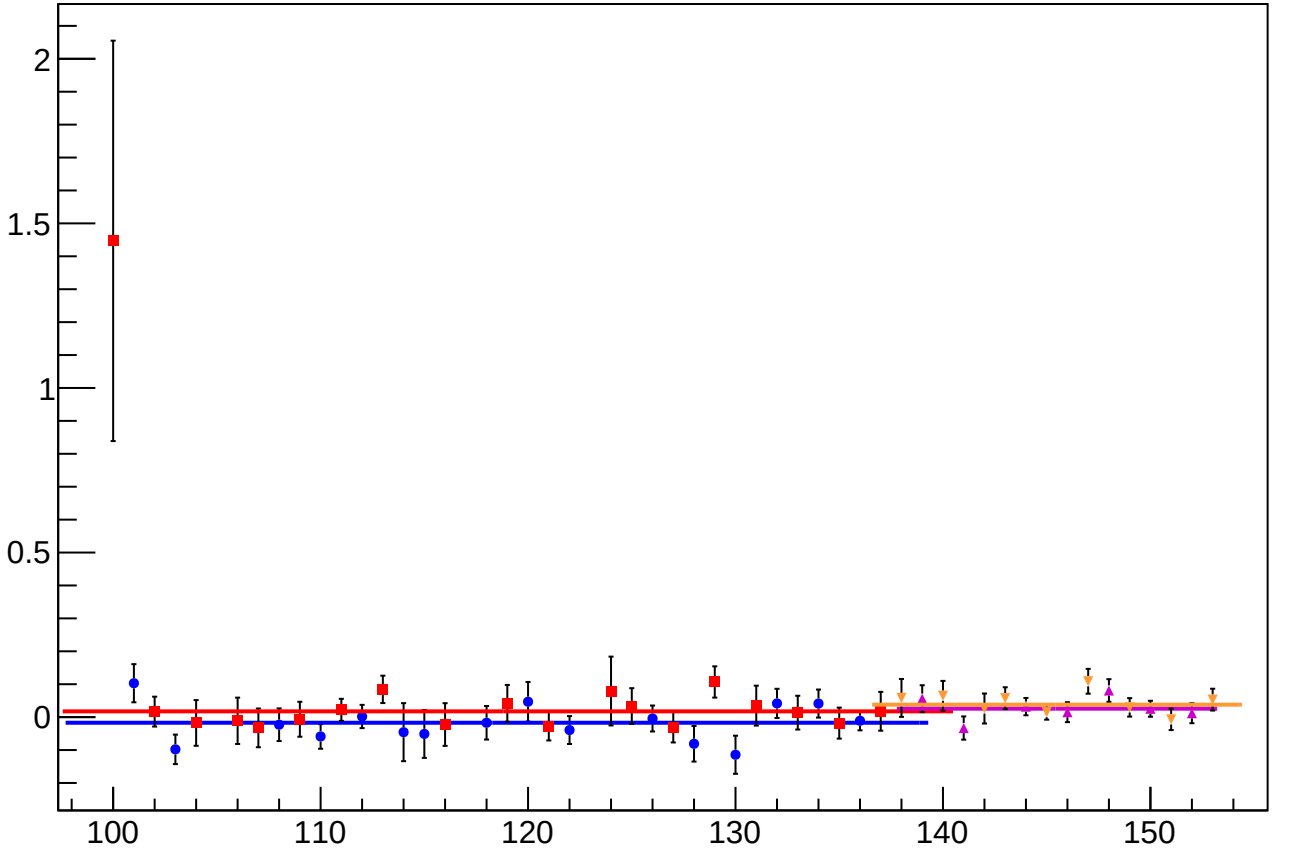
Left In: 27.369+/-0.008 χ^2/NDF:294381.7/6

+ sign 28.930+/-0.006 χ^2/NDF: 1303179.5/24

All: 29.147+/-0.004 χ^2/NDF: 2302116.7/50

- sign 29.384+/-0.006 χ^2/NDF: 995847.3/25

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.038+/-0.011 χ^2/NDF:7.6/8

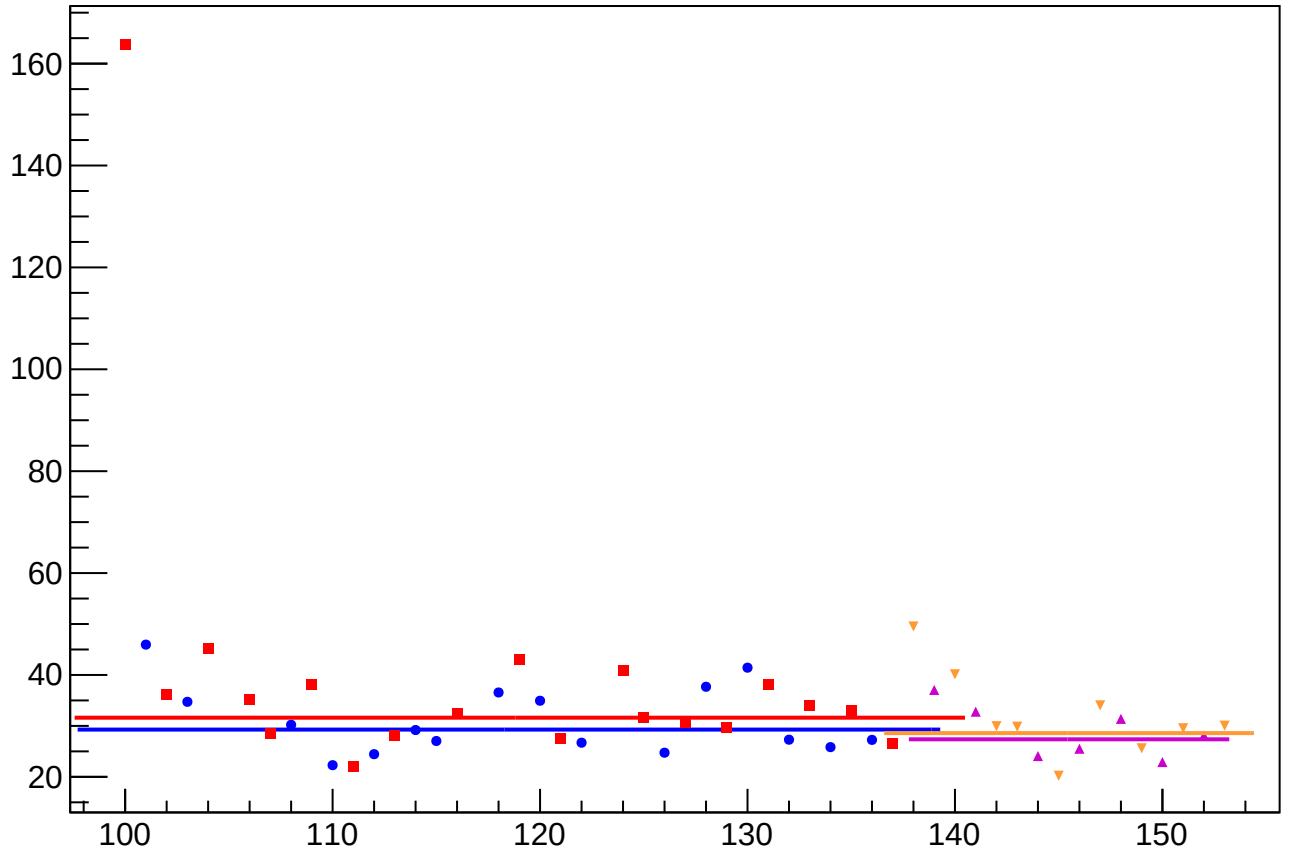
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.026+/-0.012 χ^2/NDF:6.3/6

+ sign 0.011+/-0.008 χ^2/NDF: 38.3/24

All: 0.016+/-0.006 χ^2/NDF: 62.5/50

- sign 0.022+/-0.008 χ^2/NDF: 23.3/25



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.589+/-0.008 χ^2/NDF:738791.1/8

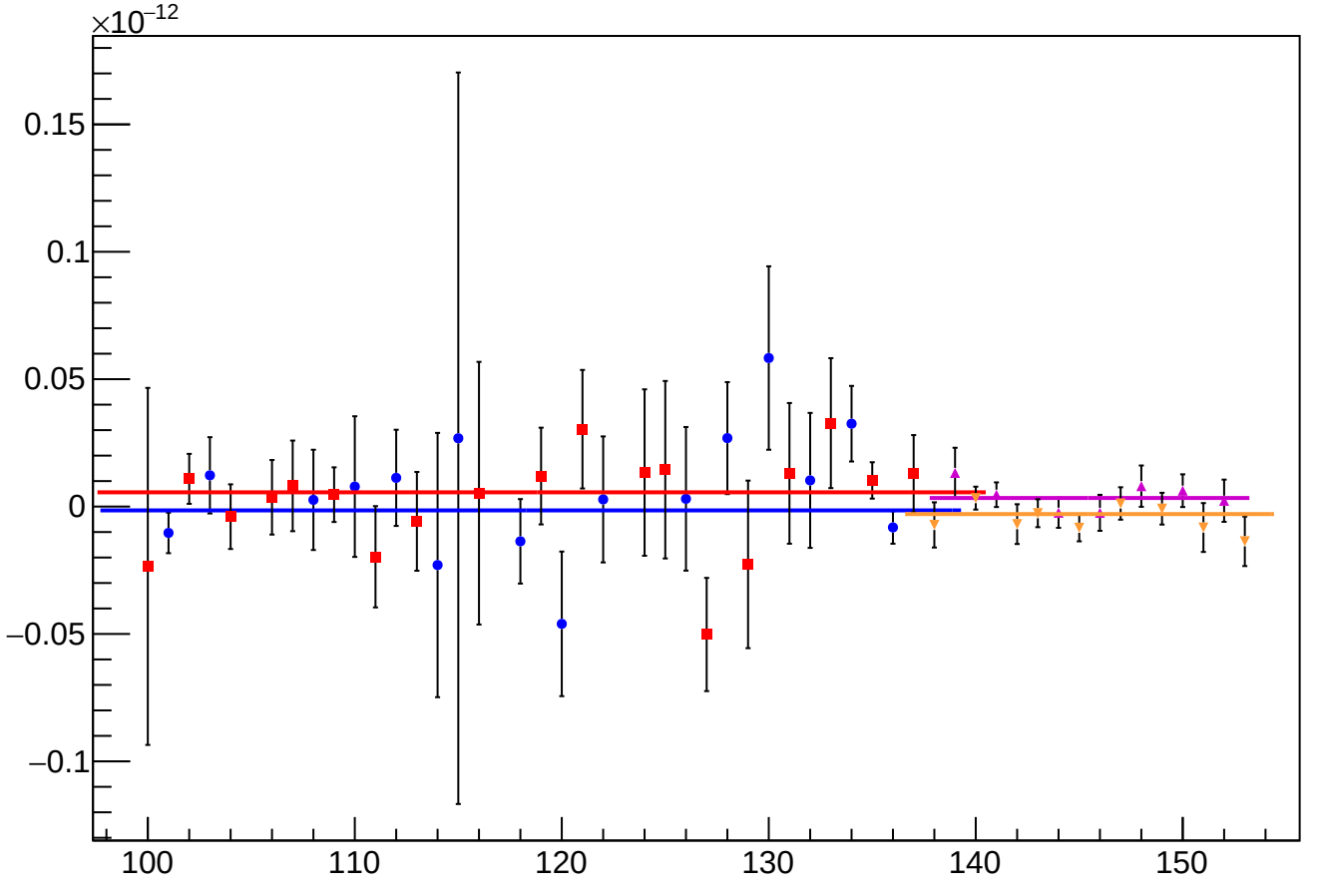
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.369+/-0.008 χ^2/NDF:294381.7/6

+ sign 28.930+/-0.006 χ^2/NDF: 1303179.5/24

All: 29.147+/-0.004 χ^2/NDF: 2302116.7/50

- sign 29.384+/-0.006 χ^2/NDF: 995847.3/25



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/8

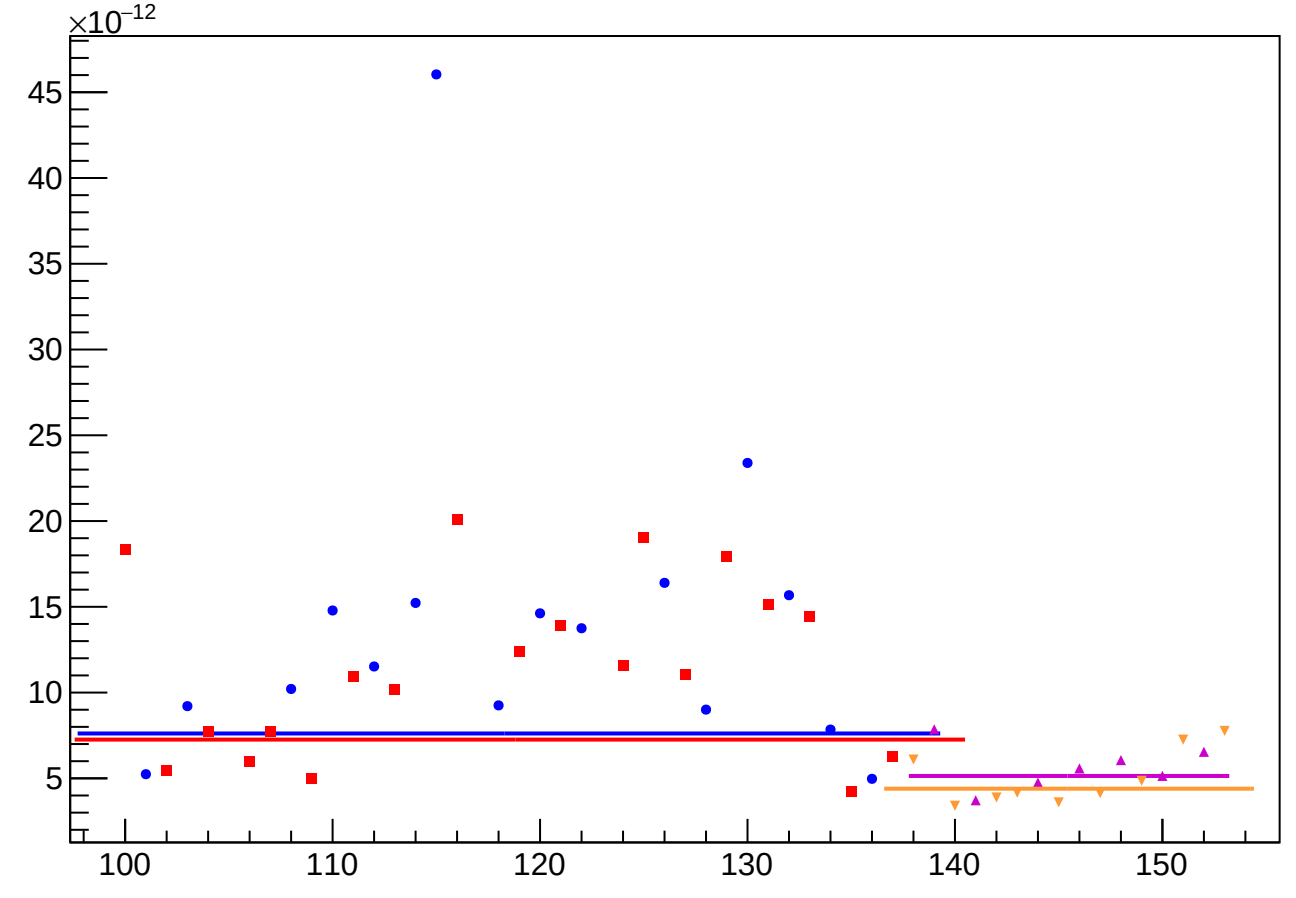
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 22.6/24

All: 0.000+/-0.000 χ^2/NDF: 45.1/50

- sign 0.000+/-0.000 χ^2/NDF: 16.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:661016.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

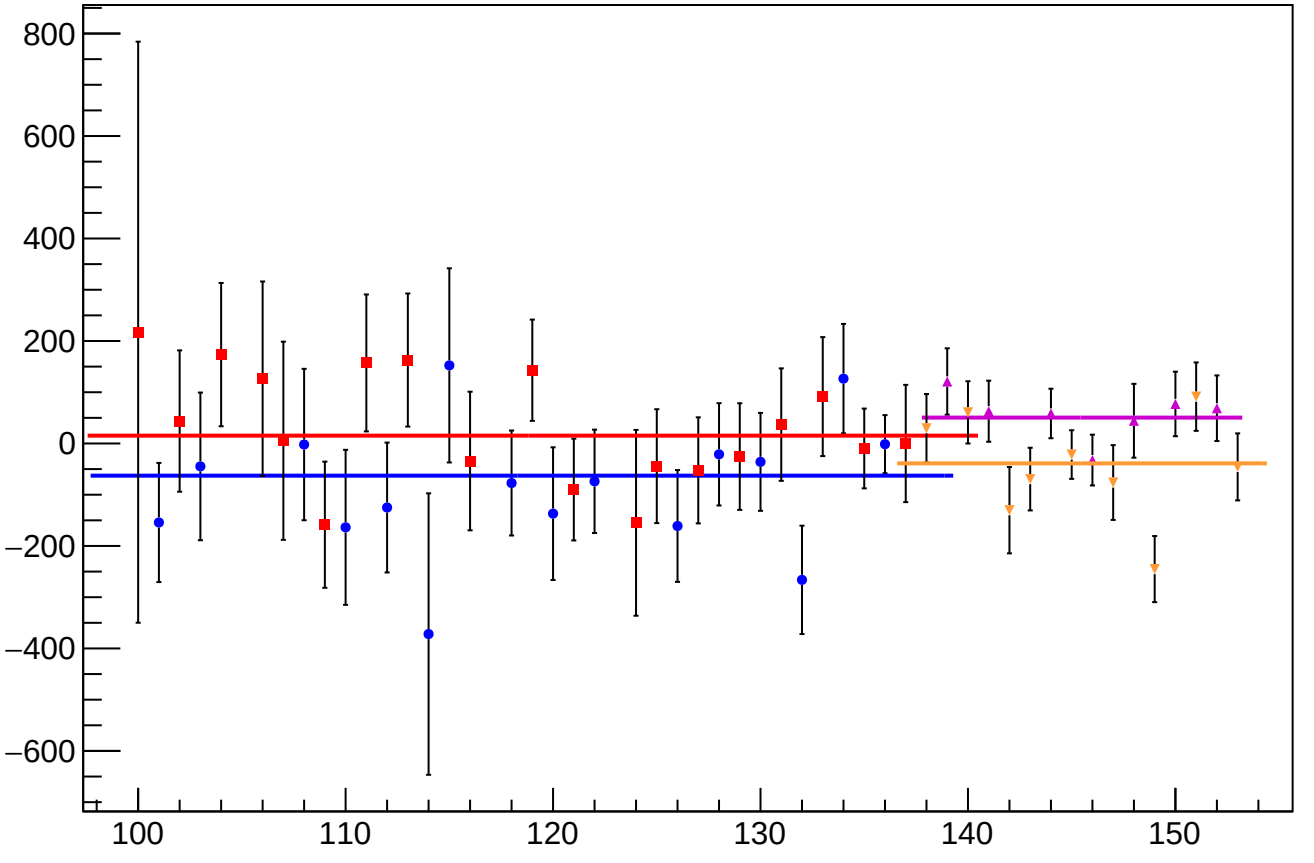
Left In: 0.000+/-0.000 χ^2/NDF:423650.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 3763393.6/24

All: 0.000+/-0.000 χ^2/NDF: 6754623.0/50

- sign 0.000+/-0.000 χ^2/NDF: 2877687.4/25

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.845+/-21.158 χ^2/NDF:19.6/8

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

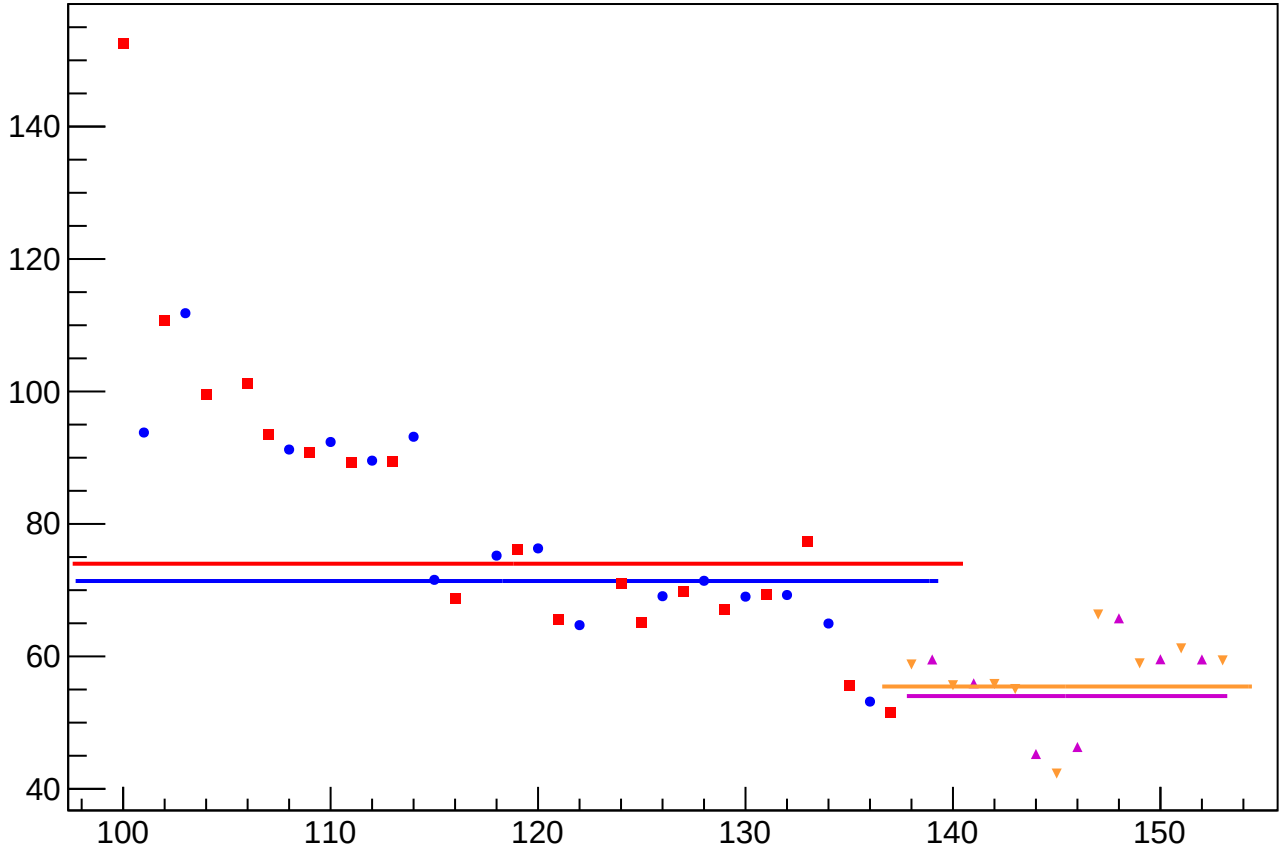
Left In: 50.480+/-22.115 χ^2/NDF:4.3/6

+ sign -47.869+/-16.703 χ^2/NDF: 33.6/24

All: -7.008+/-12.016 χ^2/NDF: 62.7/50

- sign 36.822+/-17.300 χ^2/NDF: 16.8/25

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 55.455+/-0.015 χ^2/NDF:231030.5/8

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

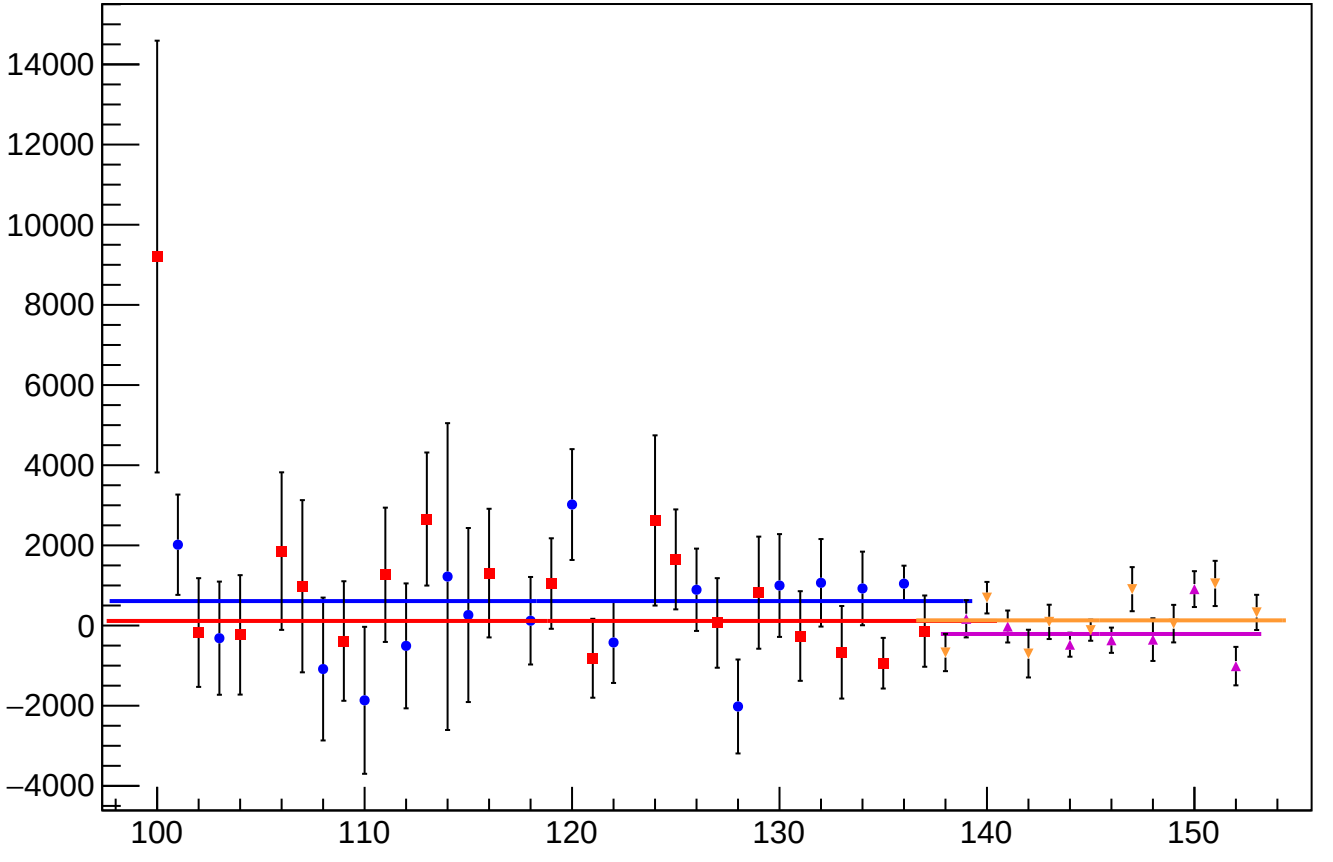
Left In: 54.011+/-0.016 χ^2/NDF:213994.2/6

+ sign 61.456+/-0.012 χ^2/NDF: 1248967.8/24

All: 61.606+/-0.008 χ^2/NDF: 2735399.6/50

- sign 61.766+/-0.012 χ^2/NDF: 1486099.2/25

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 129.353+/-141.483 χ^2/NDF:12.8/8

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

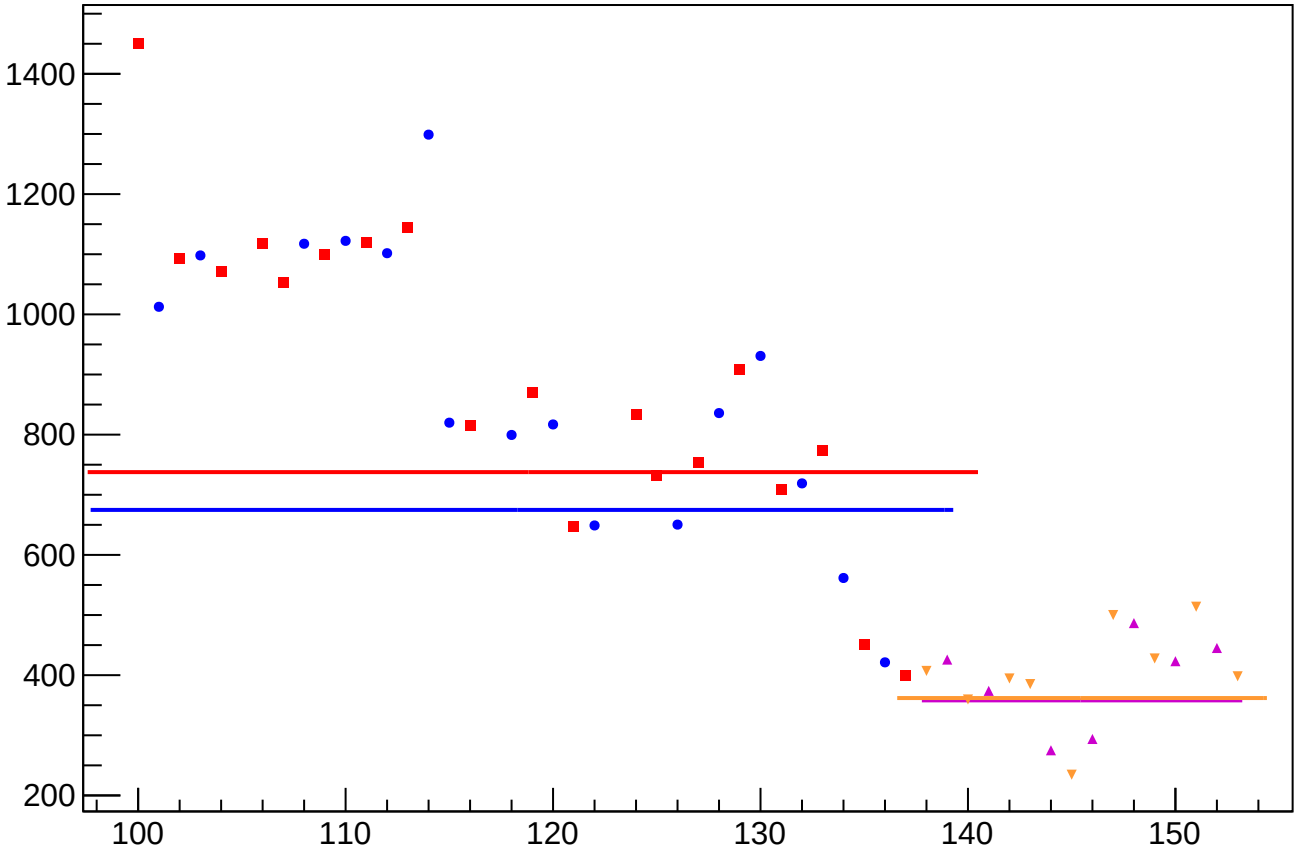
Left In: -210.663+/-149.032 χ^2/NDF:11.0/6

+ sign 234.972+/-124.996 χ^2/NDF: 31.0/24

All: 57.435+/-90.759 χ^2/NDF: 62.9/50

- sign -140.547+/-131.997 χ^2/NDF: 27.6/25

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 361.958+/-0.100 χ^2/NDF:822061.5/8

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

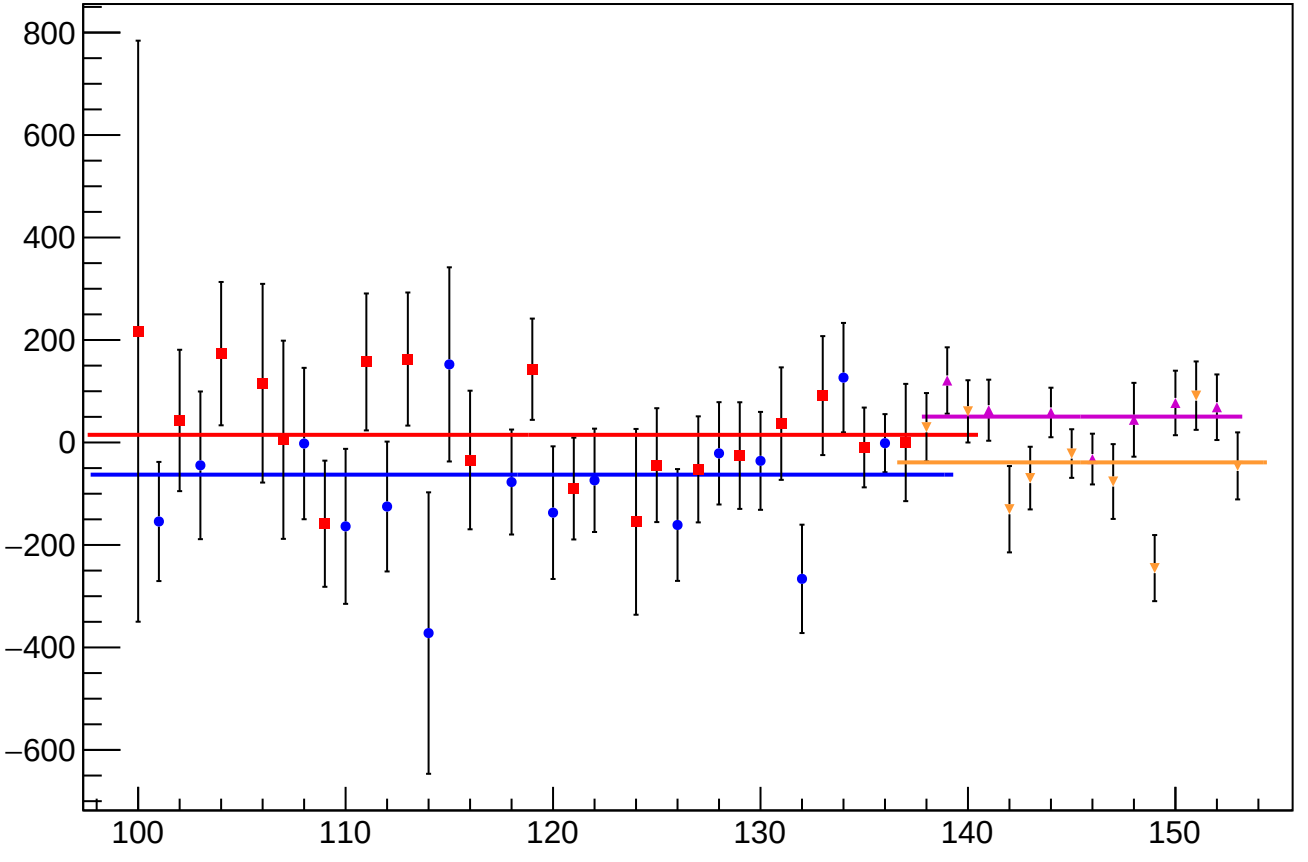
Left In: 358.096+/-0.105 χ^2/NDF:507345.6/6

+ sign 430.630+/-0.088 χ^2/NDF: 4586327.0/24

All: 435.018+/-0.064 χ^2/NDF: 9412110.8/50

- sign 439.912+/-0.093 χ^2/NDF: 4820569.6/25

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.846+/-21.158 χ^2/NDF:19.6/8

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

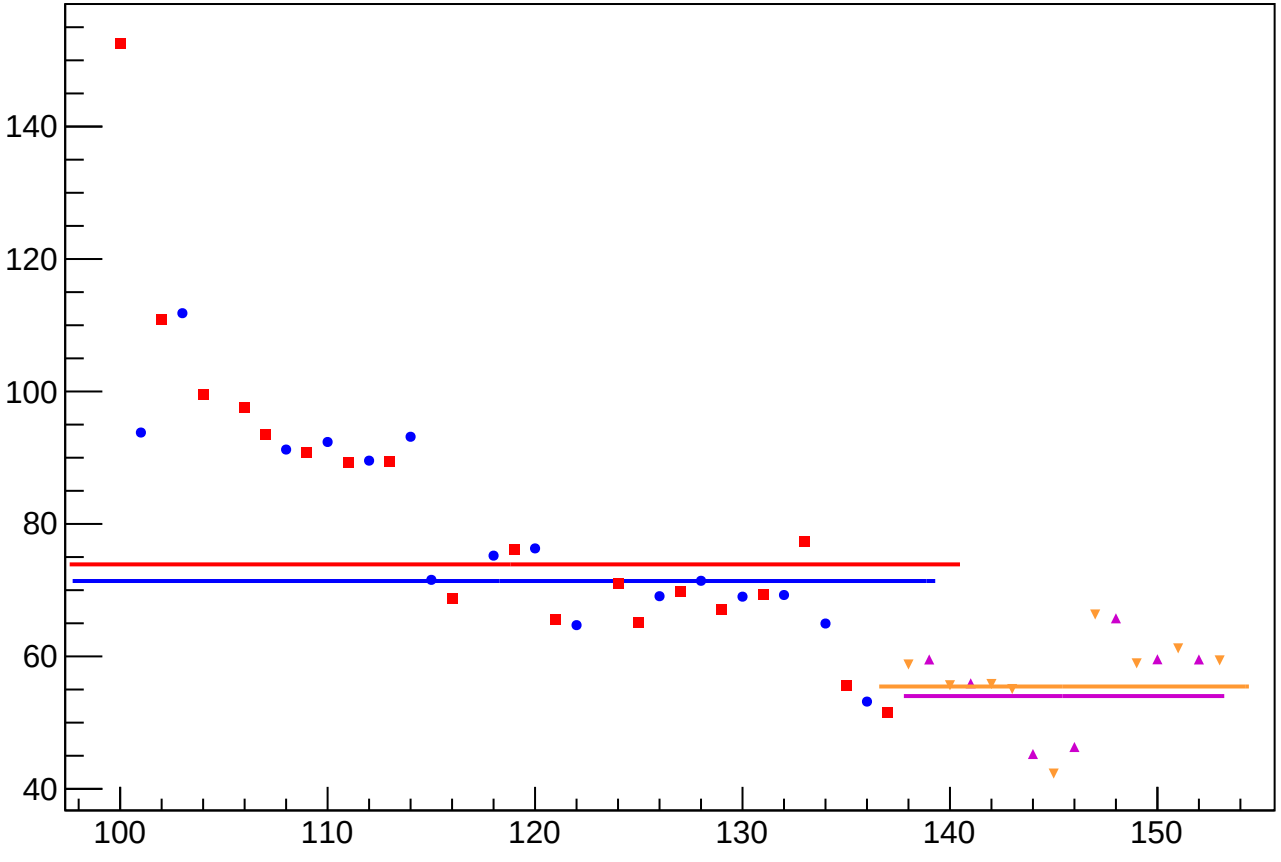
Left In: 50.481+/-22.115 χ^2/NDF:4.3/6

+ sign -47.867+/-16.703 χ^2/NDF: 33.6/24

All: -7.077+/-12.017 χ^2/NDF: 62.7/50

- sign 36.693+/-17.303 χ^2/NDF: 16.7/25

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.455+/-0.015 χ^2/NDF:231030.5/8

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

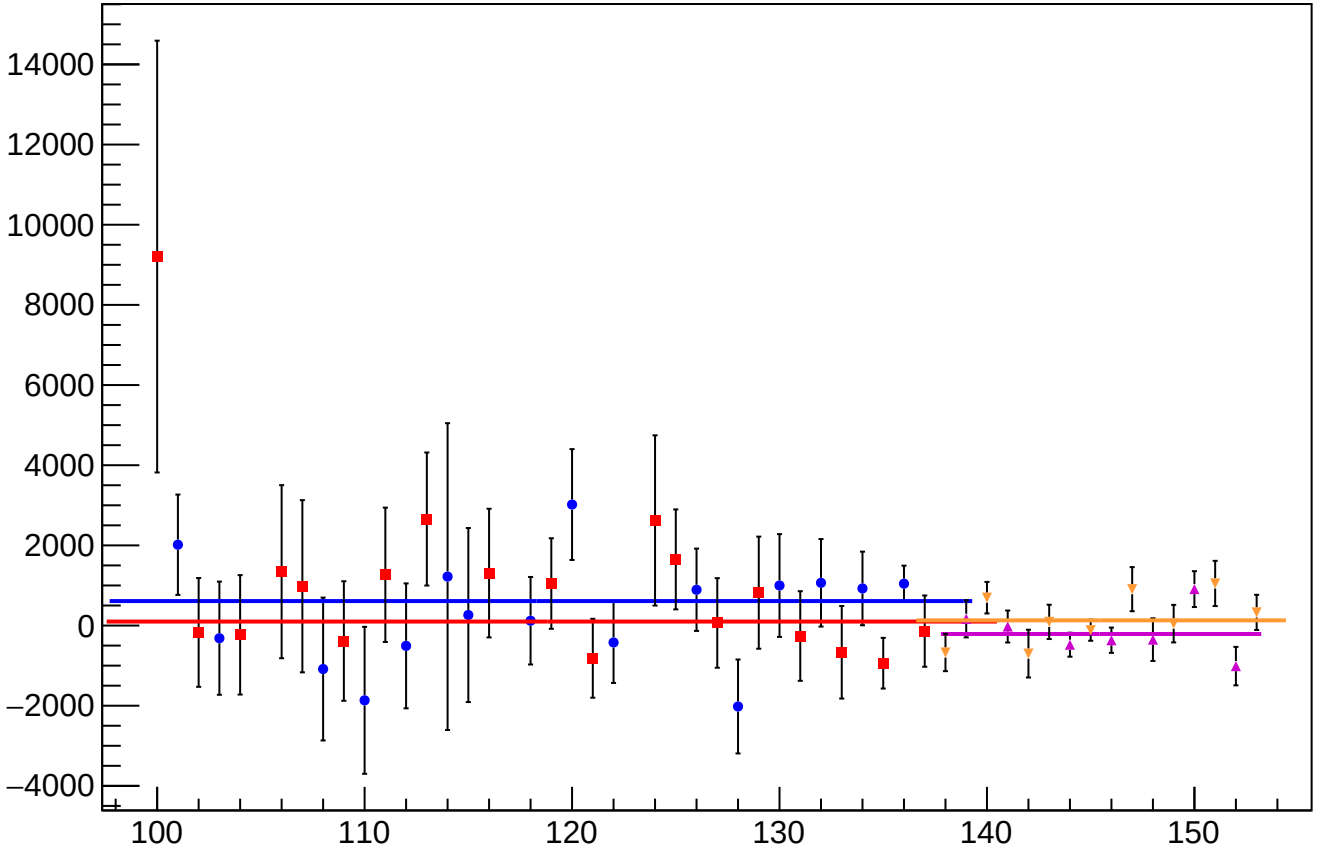
Left In: 54.011+/-0.016 χ^2/NDF:213994.2/6

+ sign 61.456+/-0.012 χ^2/NDF: 1248970.4/24

All: 61.585+/-0.008 χ^2/NDF: 2717208.3/50

- sign 61.723+/-0.012 χ^2/NDF: 1467991.6/25

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 129.351+/-141.483 χ^2/NDF:12.8/8

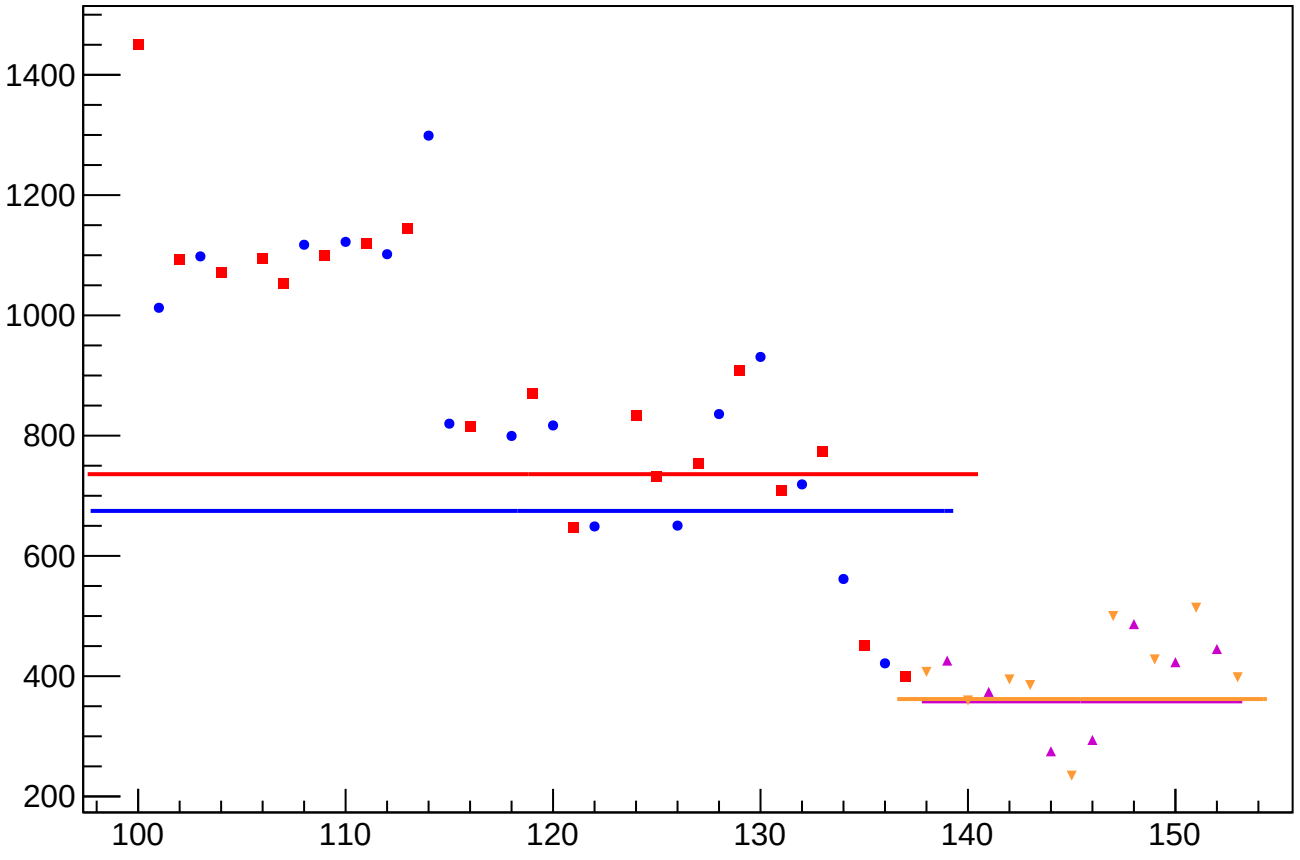
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -210.661+/-149.032 χ^2/NDF:11.0/6

+ sign 234.968+/-124.995 χ^2/NDF: 31.0/24

All: 55.881+/-90.776 χ^2/NDF: 62.4/50

- sign -143.986+/-132.049 χ^2/NDF: 27.1/25



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 361.958+/-0.100 χ^2/NDF:822067.4/8

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

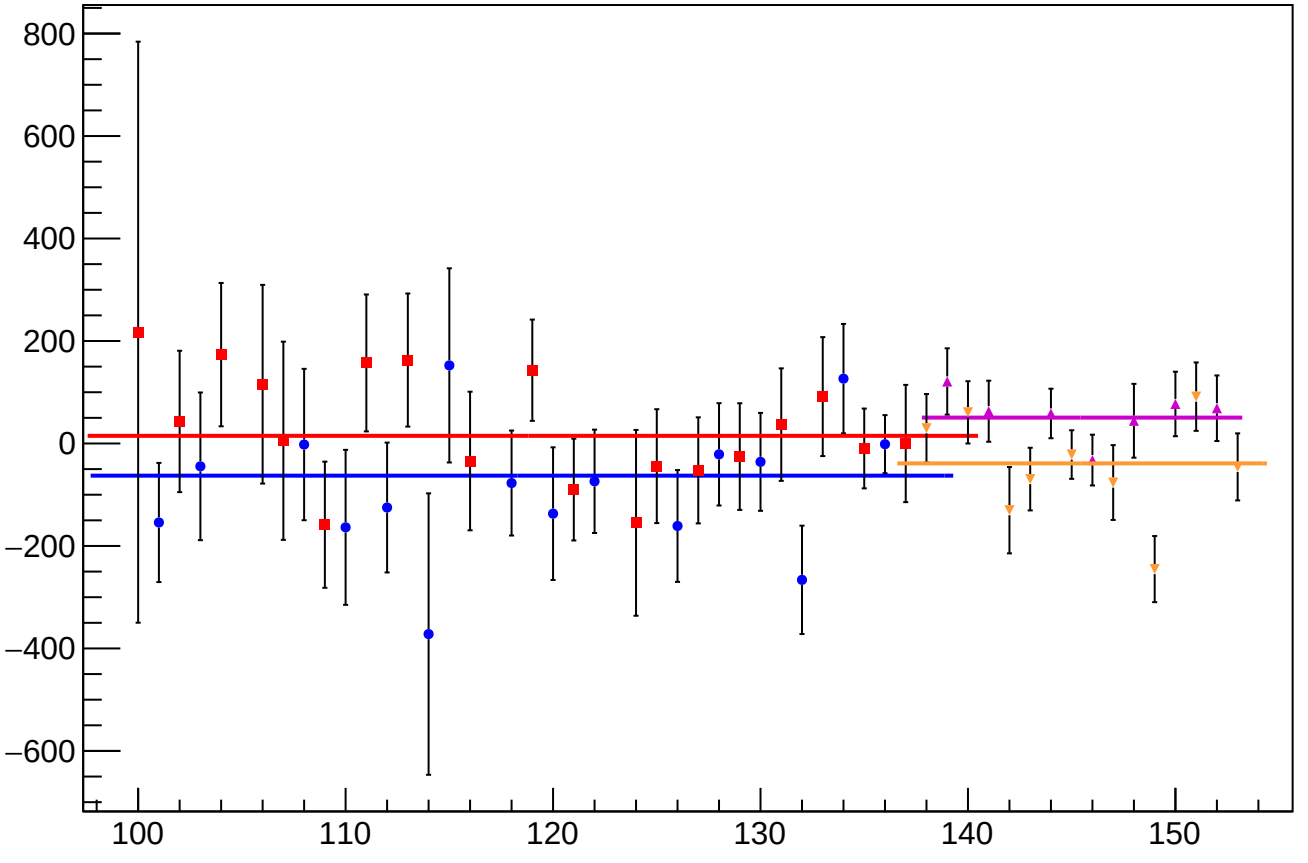
Left In: 358.096+/-0.105 χ^2/NDF:507346.8/6

+ sign 430.629+/-0.088 χ^2/NDF: 4586362.8/24

All: 434.727+/-0.064 χ^2/NDF: 9357990.8/50

- sign 439.301+/-0.093 χ^2/NDF: 4767079.0/25

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.846+/-21.158 χ^2/NDF:19.6/8

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

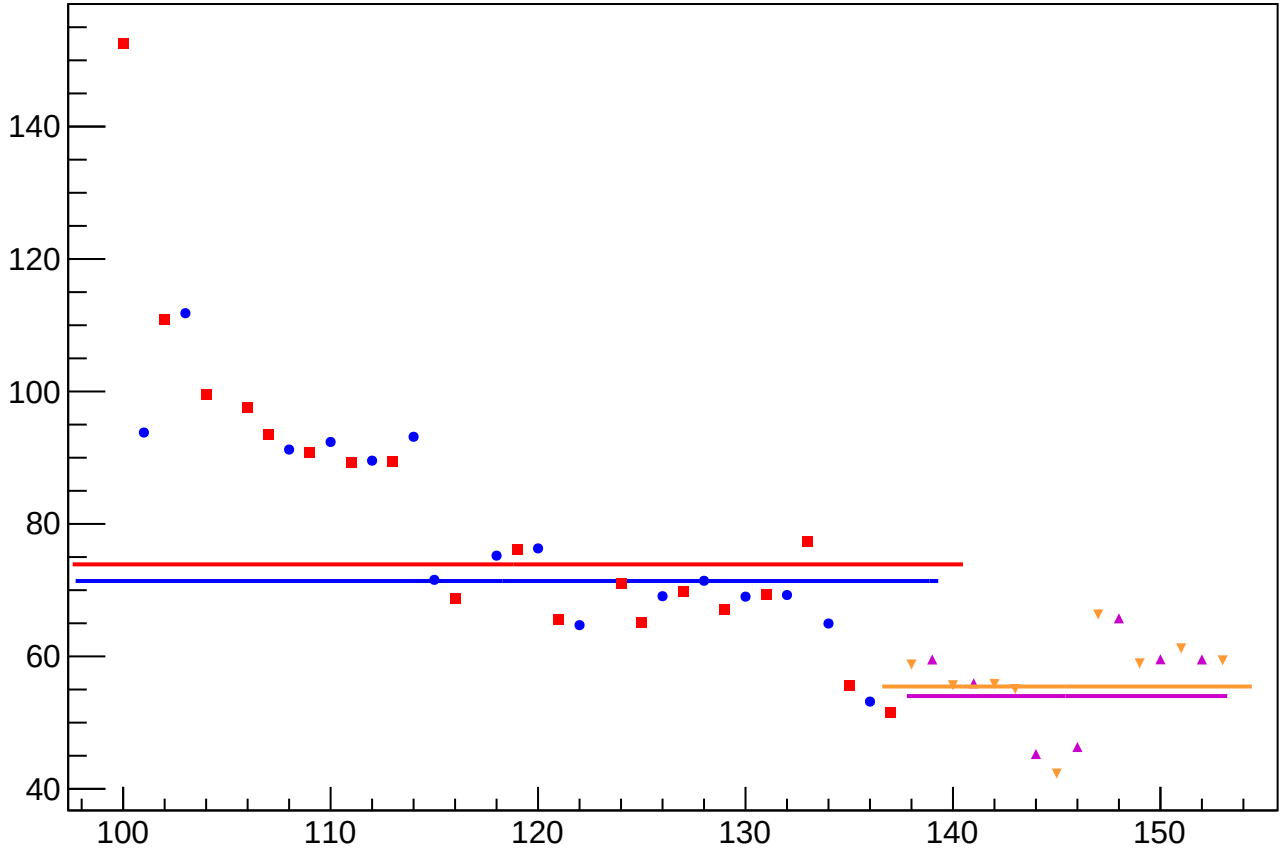
Left In: 50.481+/-22.115 χ^2/NDF:4.3/6

+ sign -47.867+/-16.703 χ^2/NDF: 33.6/24

All: -7.077+/-12.017 χ^2/NDF: 62.7/50

- sign 36.693+/-17.303 χ^2/NDF: 16.7/25

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.455+/-0.015 χ^2/NDF:231030.5/8

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

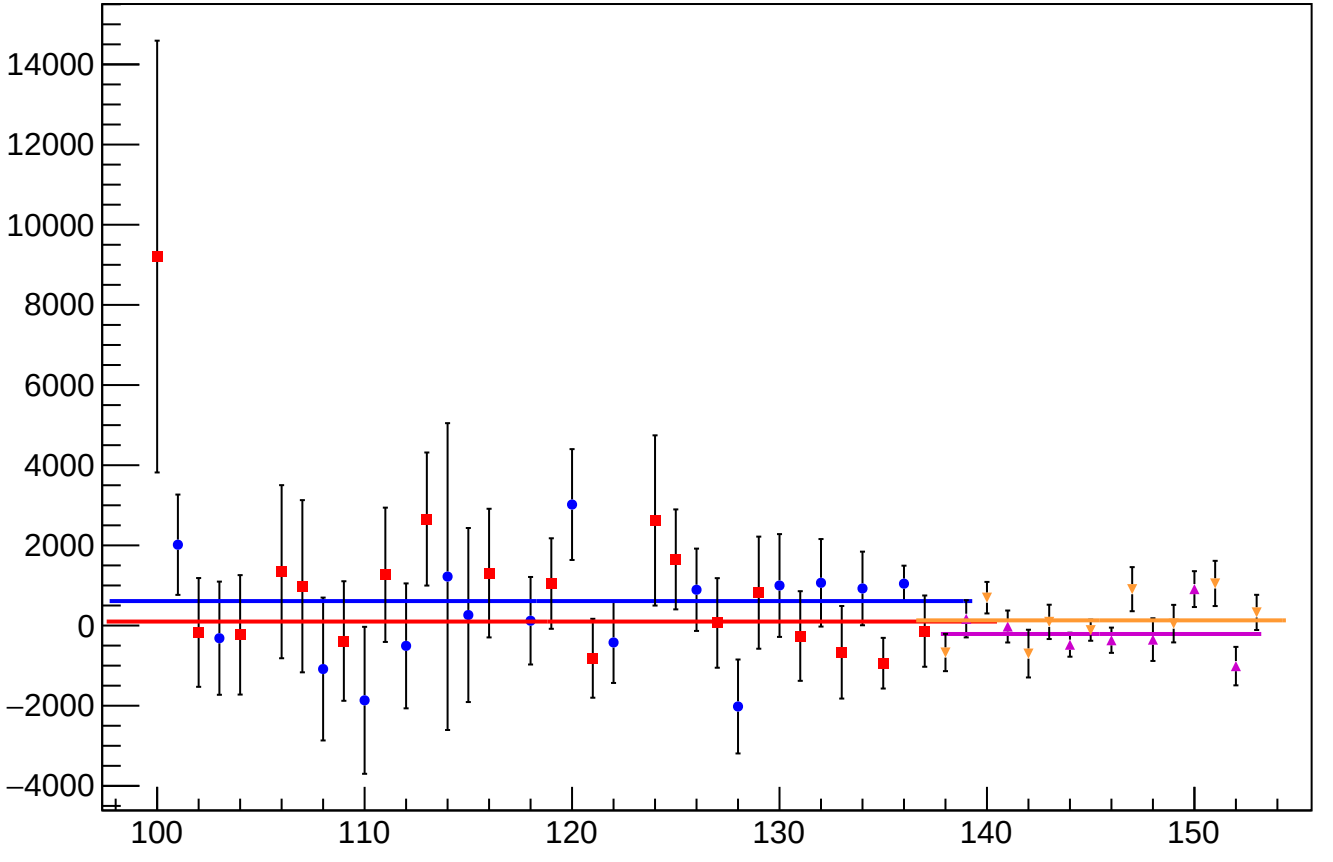
Left In: 54.011+/-0.016 χ^2/NDF:213994.2/6

+ sign 61.456+/-0.012 χ^2/NDF: 1248970.4/24

All: 61.585+/-0.008 χ^2/NDF: 2717208.3/50

- sign 61.723+/-0.012 χ^2/NDF: 1467991.6/25

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 129.351+/-141.483 χ^2/NDF:12.8/8

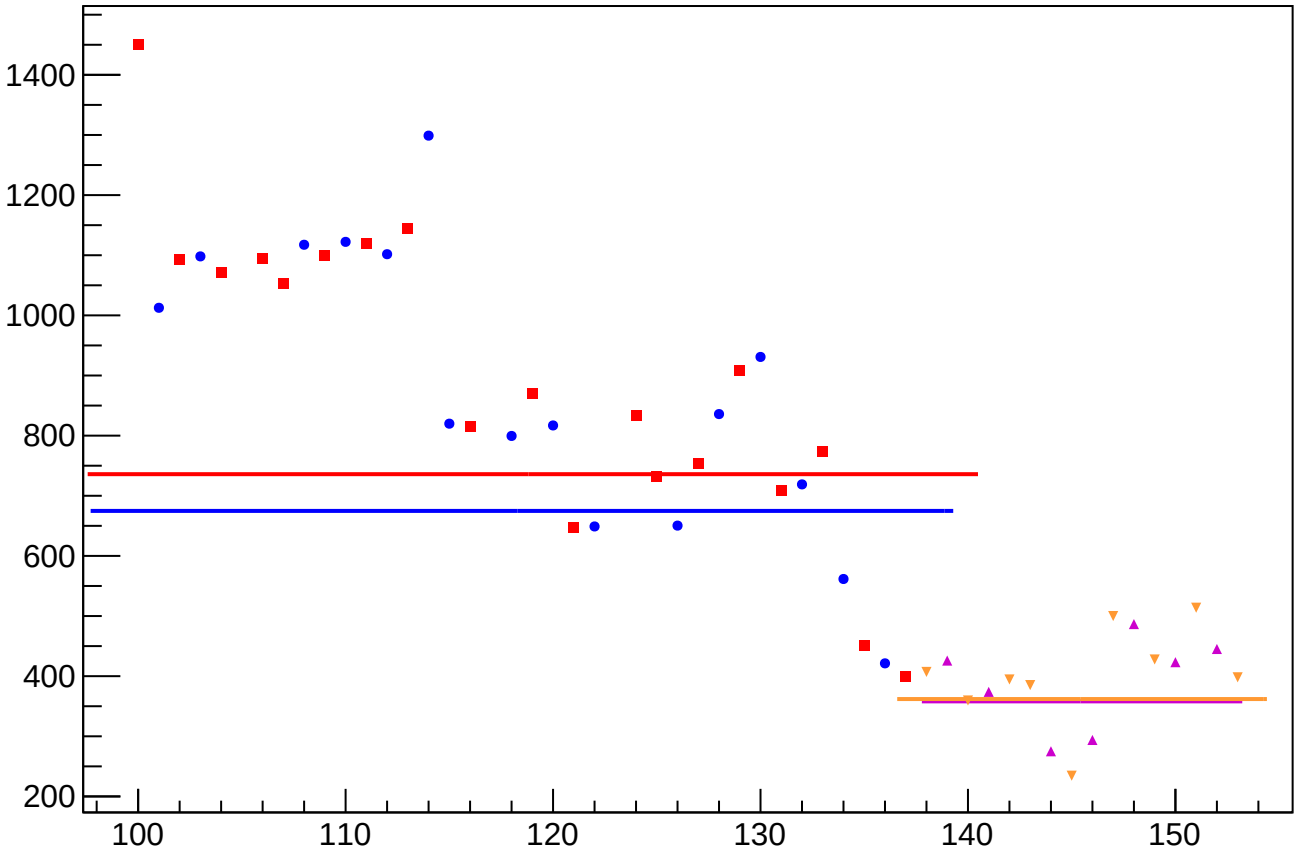
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -210.661+/-149.032 χ^2/NDF:11.0/6

+ sign 234.968+/-124.995 χ^2/NDF: 31.0/24

All: 55.881+/-90.776 χ^2/NDF: 62.4/50

- sign -143.986+/-132.049 χ^2/NDF: 27.1/25



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 361.958+/-0.100 χ^2/NDF:822067.4/8

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

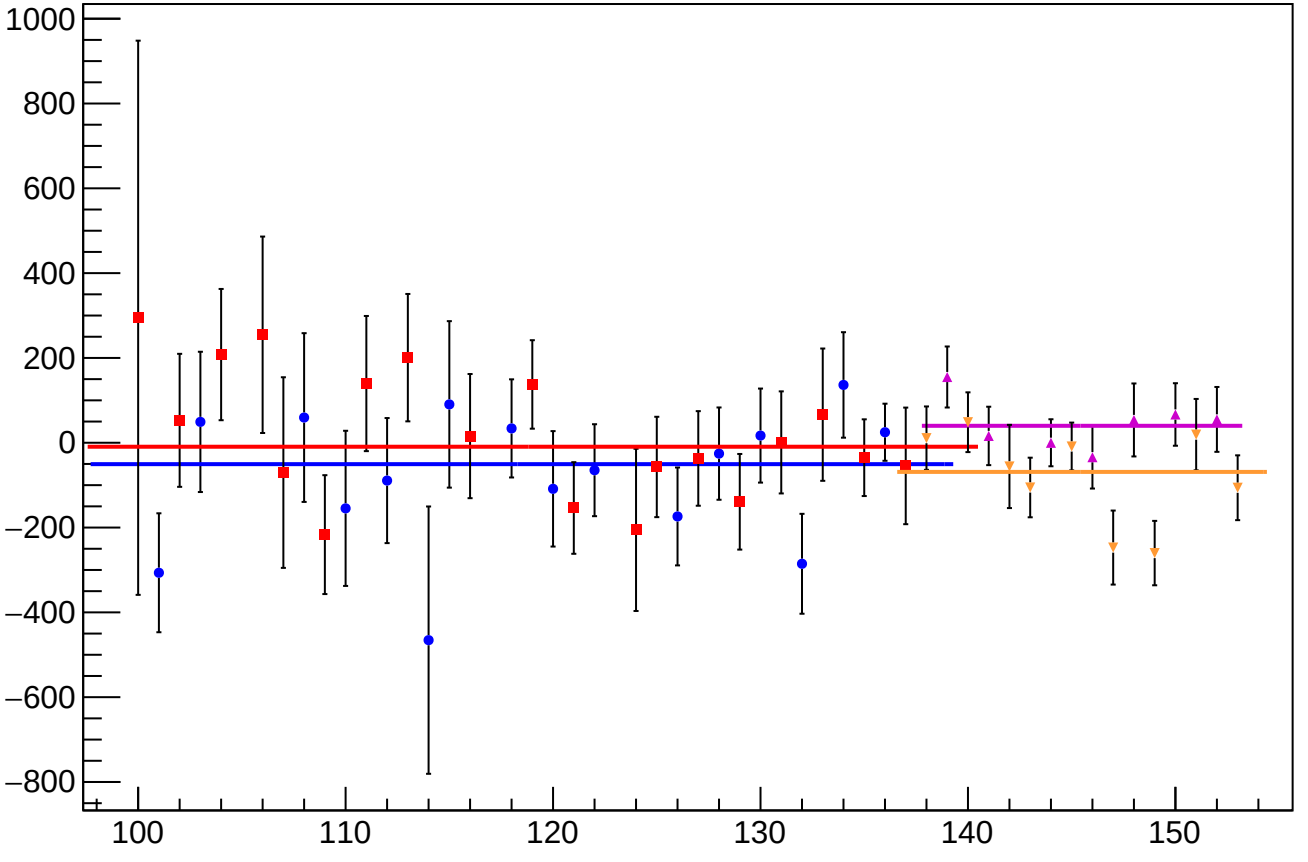
Left In: 358.096+/-0.105 χ^2/NDF:507346.8/6

+ sign 430.629+/-0.088 χ^2/NDF: 4586362.8/24

All: 434.727+/-0.064 χ^2/NDF: 9357990.8/50

- sign 439.301+/-0.093 χ^2/NDF: 4767079.0/25

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -68.754+/-24.856 χ^2/NDF:17.2/8

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

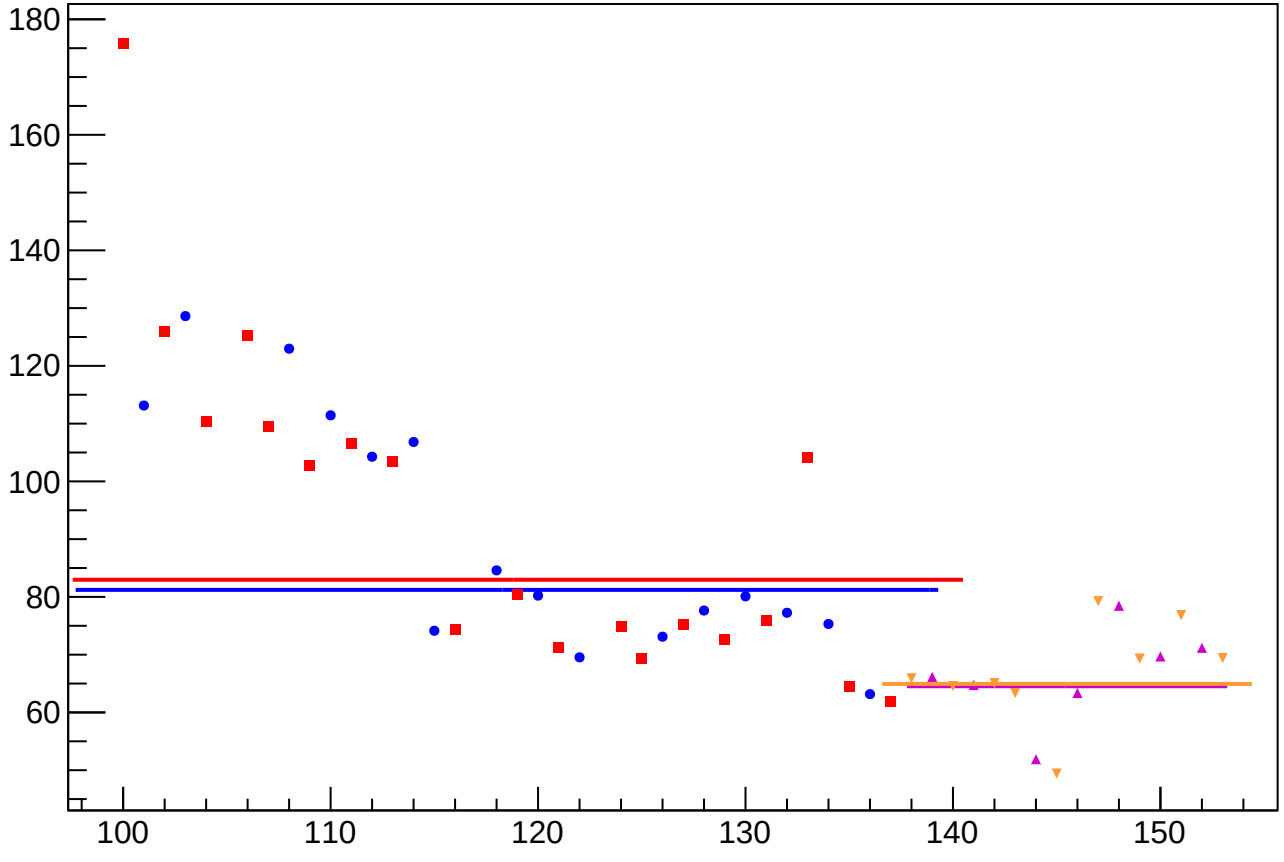
Left In: 39.972+/-26.704 χ^2/NDF:4.4/6

+ sign -61.614+/-19.407 χ^2/NDF: 33.8/24

All: -23.050+/-14.027 χ^2/NDF: 63.5/50

- sign 19.132+/-20.297 χ^2/NDF: 21.4/25

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 64.936+/-0.018 χ^2/NDF:260609.6/8

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

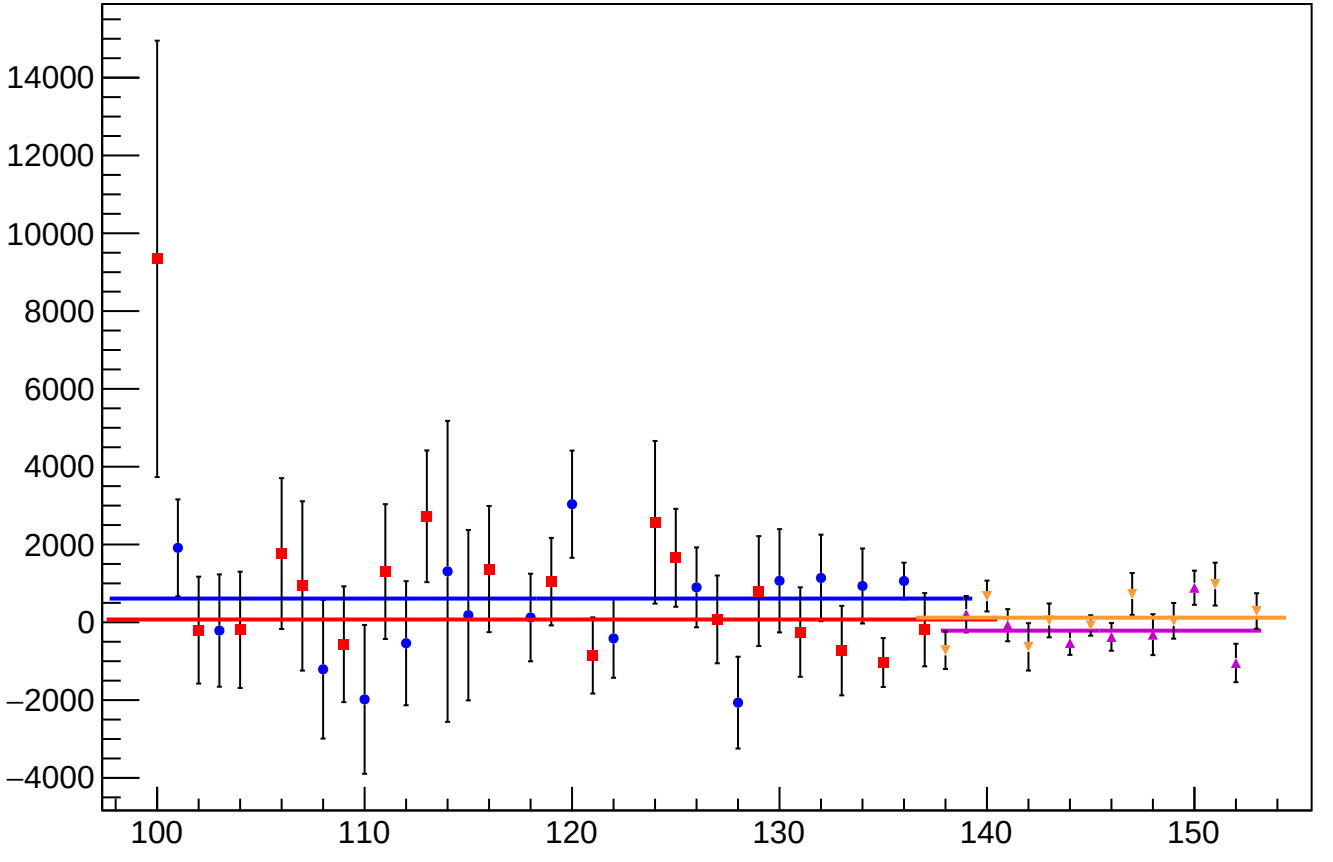
Left In: 64.534+/-0.019 χ^2/NDF:182764.7/6

+ sign 71.292+/-0.014 χ^2/NDF: 1258500.0/24

All: 71.783+/-0.010 χ^2/NDF: 2576907.9/50

- sign 72.319+/-0.014 χ^2/NDF: 1315731.8/25

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 119.210+/-142.131 χ^2/NDF:11.0/8

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

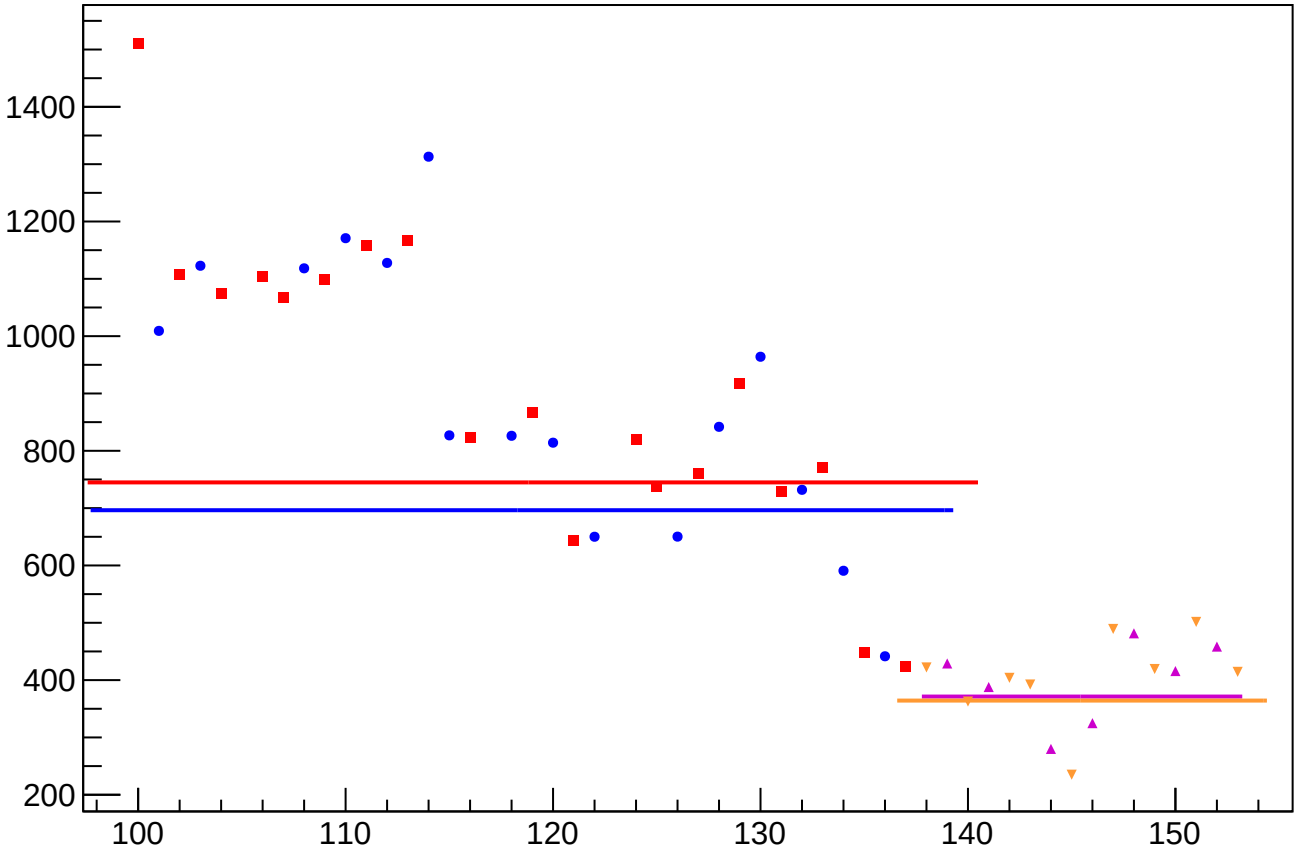
Left In: -214.414+/-154.370 χ^2/NDF:11.4/6

+ sign 223.363+/-126.165 χ^2/NDF: 29.4/24

All: 50.569+/-92.473 χ^2/NDF: 61.8/50

- sign -150.016+/-135.933 χ^2/NDF: 28.4/25

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 364.304+/-0.101 χ^2/NDF:816403.9/8

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

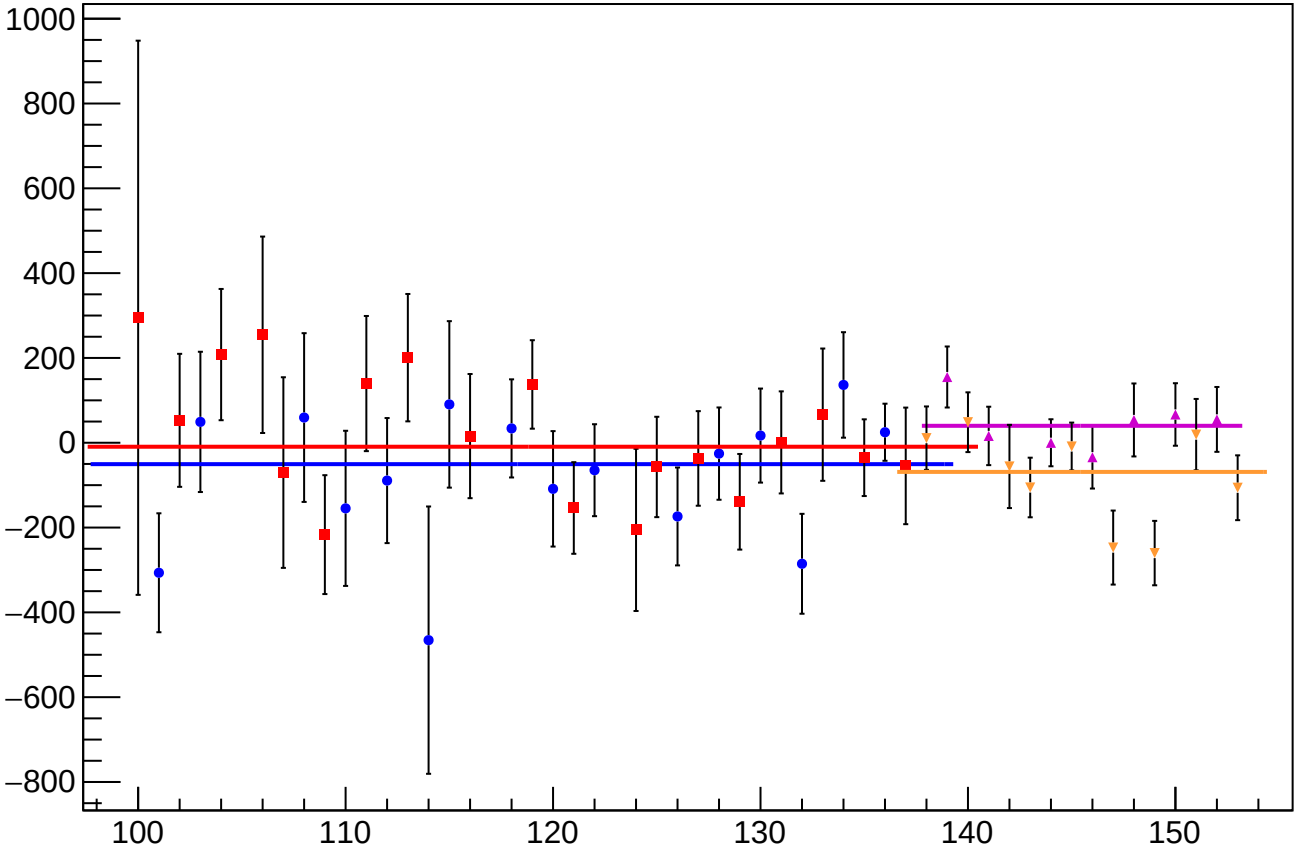
Left In: 371.307+/-0.109 χ^2/NDF:417462.8/6

+ sign 434.718+/-0.089 χ^2/NDF: 4646810.8/24

All: 444.201+/-0.065 χ^2/NDF: 9217600.7/50

- sign 455.209+/-0.096 χ^2/NDF: 4546375.0/25

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -68.753+/-24.856 χ^2/NDF:17.2/8

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

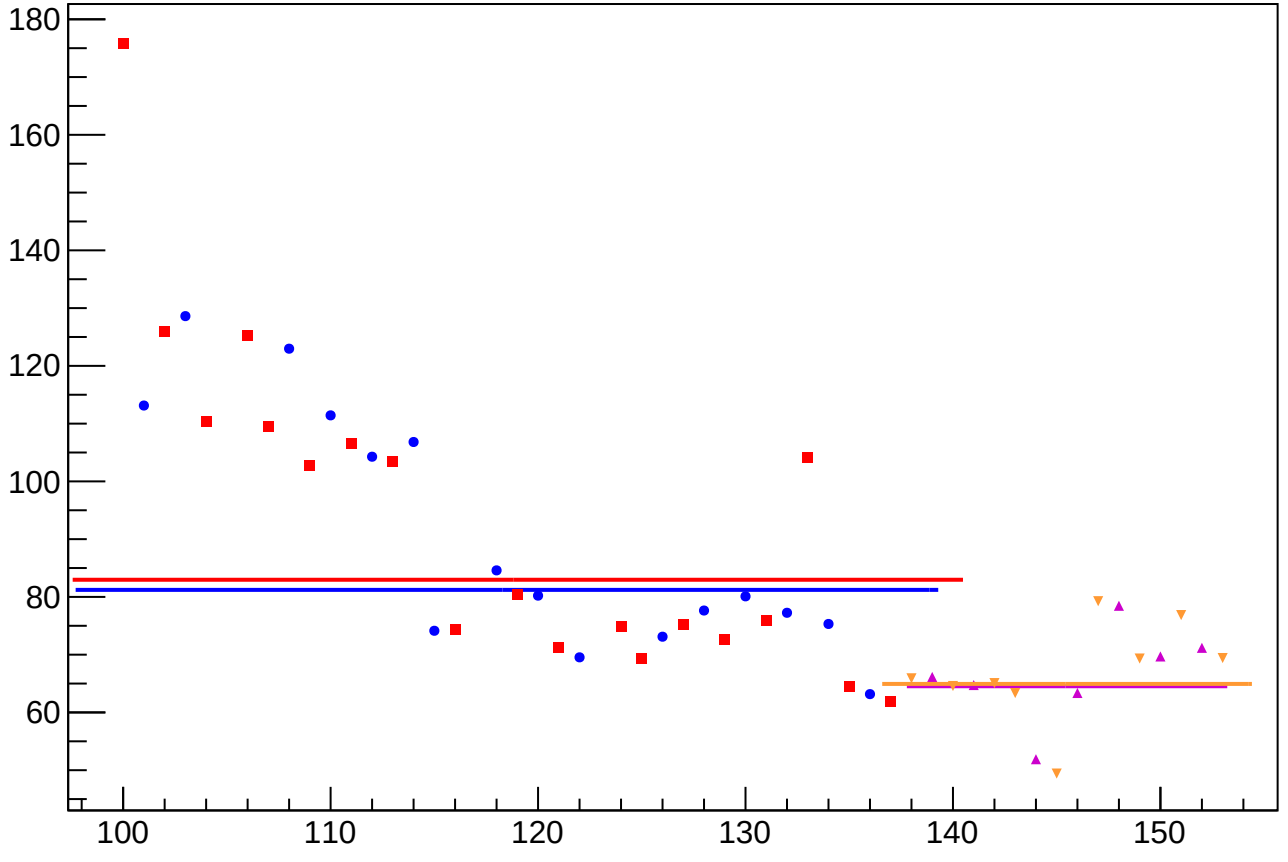
Left In: 39.971+/-26.704 χ^2/NDF:4.4/6

+ sign -61.614+/-19.407 χ^2/NDF: 33.8/24

All: -23.051+/-14.027 χ^2/NDF: 63.5/50

- sign 19.131+/-20.297 χ^2/NDF: 21.4/25

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 64.936+/-0.018 χ^2/NDF:260605.2/8

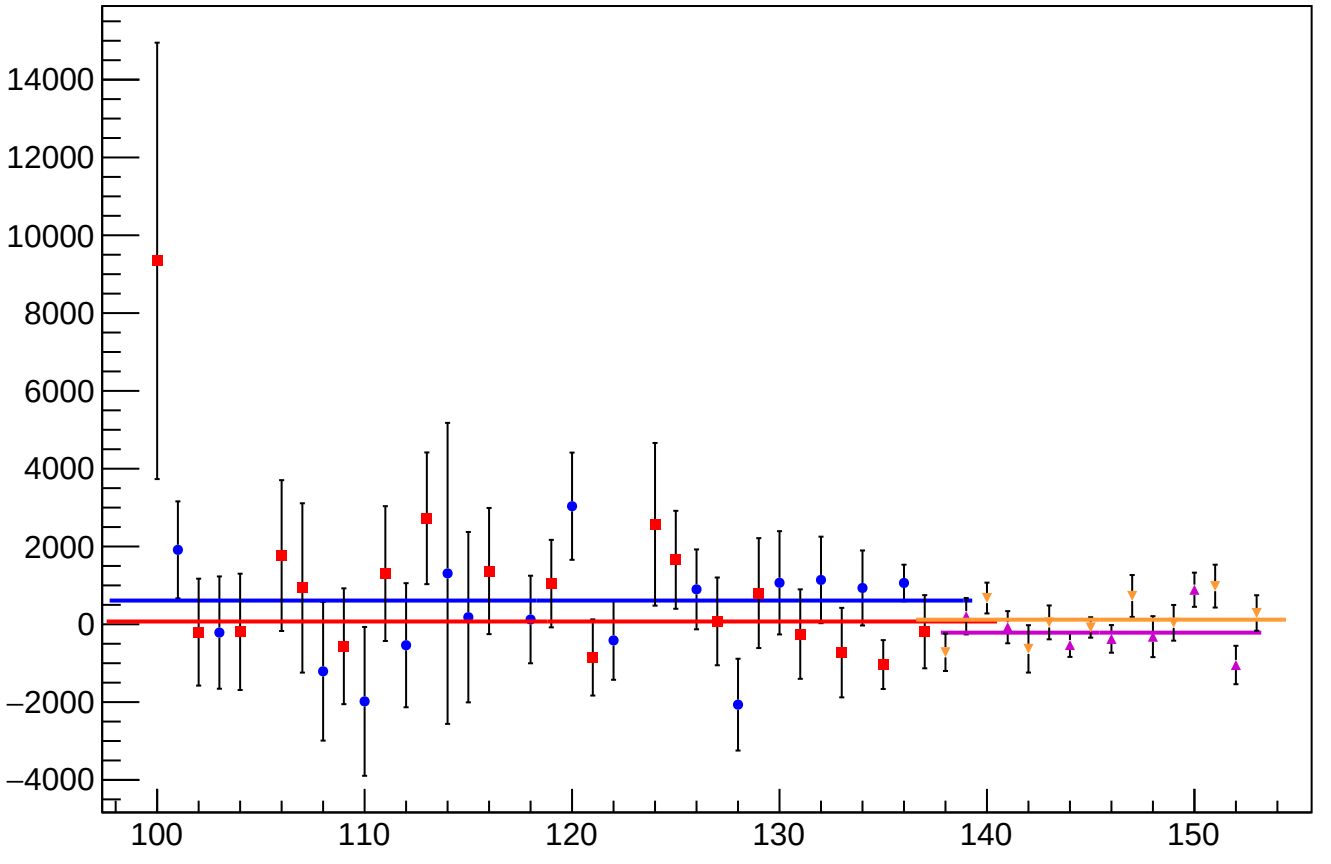
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 64.534+/-0.019 χ^2/NDF:182764.9/6

+ sign 71.292+/-0.014 χ^2/NDF: 1258456.2/24

All: 71.783+/-0.010 χ^2/NDF: 2576831.6/50

- sign 72.319+/-0.014 χ^2/NDF: 1315699.1/25



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 119.210+/-142.131 χ^2/NDF:11.0/8

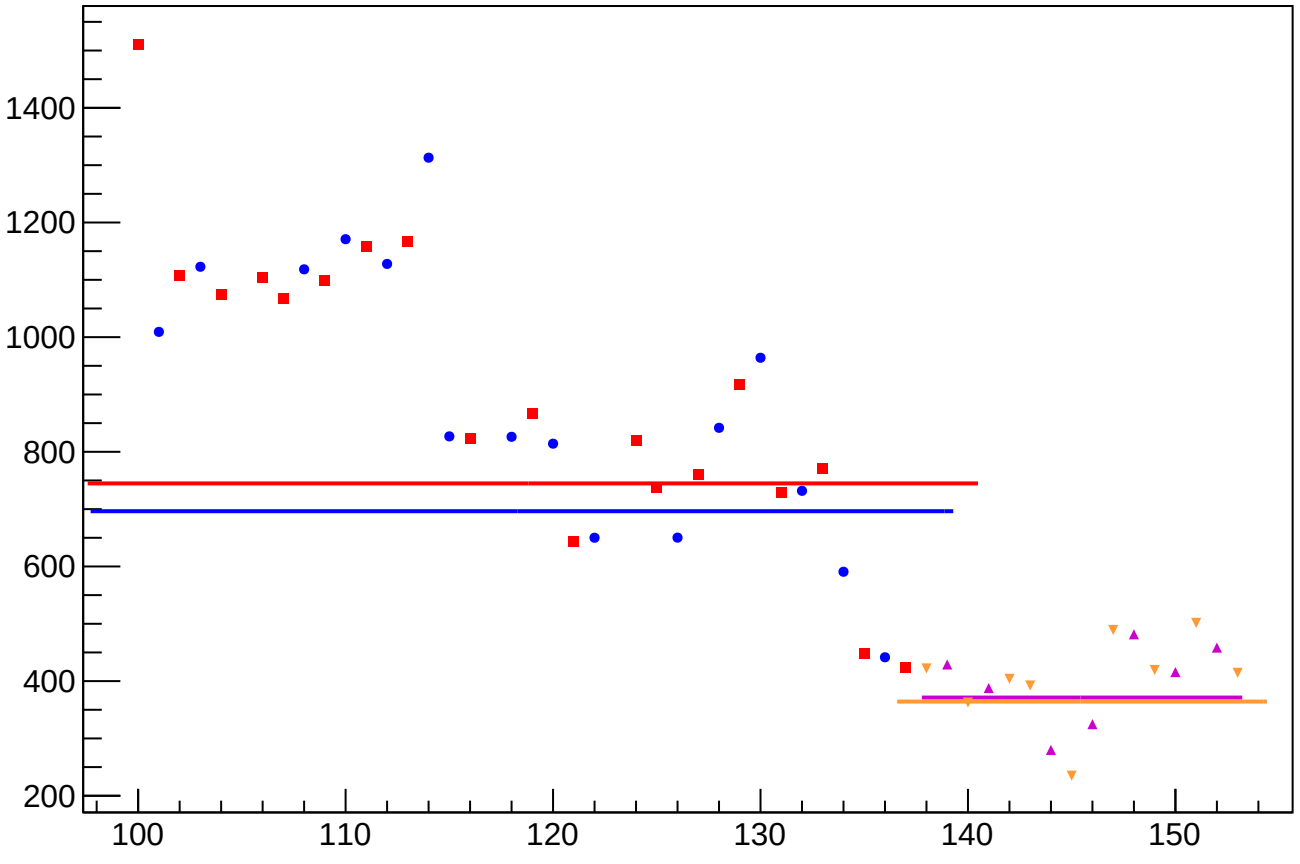
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -214.414+/-154.370 χ^2/NDF:11.4/6

+ sign 223.363+/-126.165 χ^2/NDF: 29.4/24

All: 50.569+/-92.473 χ^2/NDF: 61.8/50

- sign -150.016+/-135.933 χ^2/NDF: 28.4/25



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 364.303+/-0.101 χ^2/NDF:816420.8/8

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

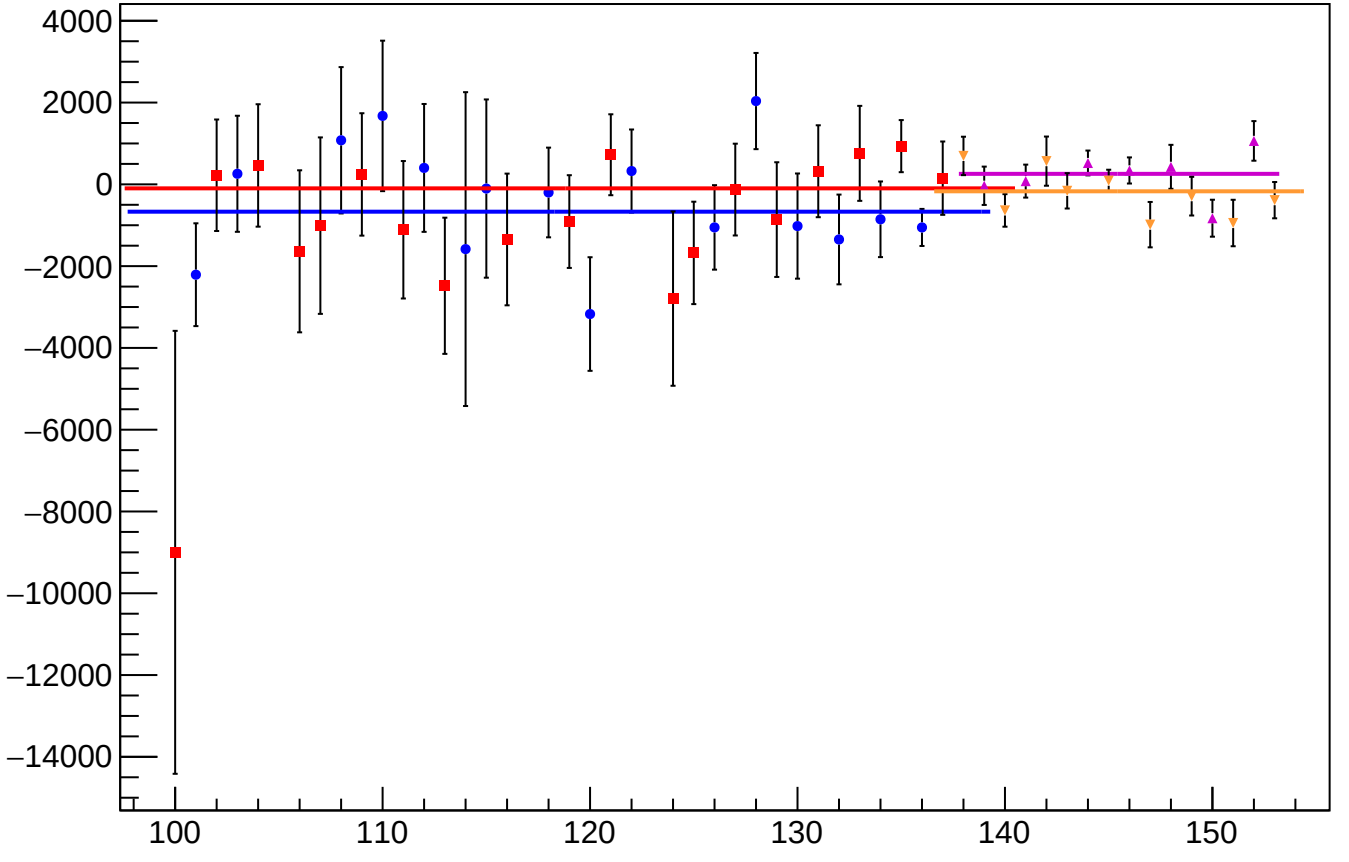
Left In: 371.307+/-0.109 χ^2/NDF:417468.3/6

+ sign 434.718+/-0.089 χ^2/NDF: 4646809.3/24

All: 444.201+/-0.065 χ^2/NDF: 9217584.4/50

- sign 455.209+/-0.096 χ^2/NDF: 4546359.5/25

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -170.057+/-143.179 χ^2/NDF:11.5/8

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

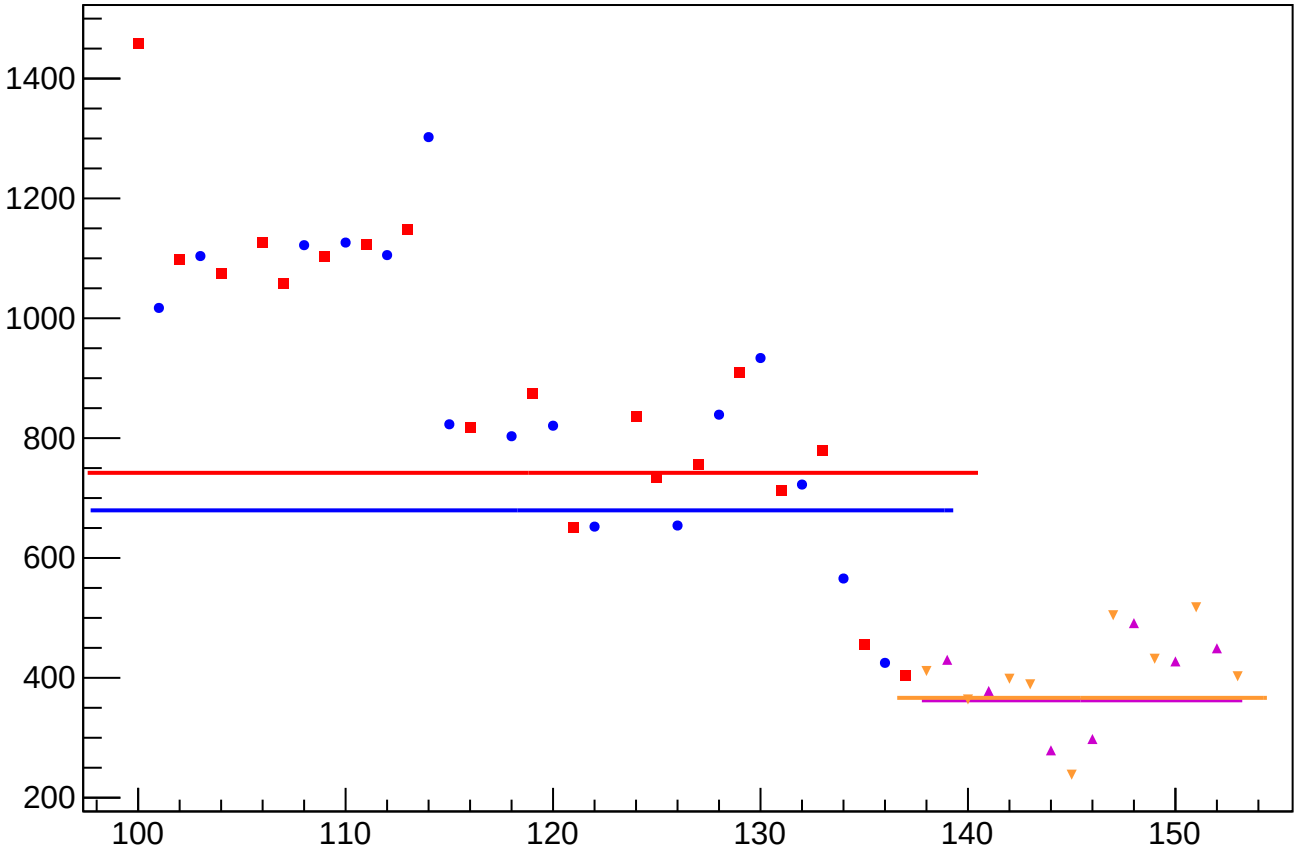
Left In: 256.751+/-150.777 χ^2/NDF:10.0/6

+ sign -280.445+/-126.334 χ^2/NDF: 30.4/24

All: -62.894+/-91.716 χ^2/NDF: 62.7/50

- sign 179.547+/-133.365 χ^2/NDF: 26.1/25

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 366.593+/-0.101 χ^2/NDF:803031.0/8

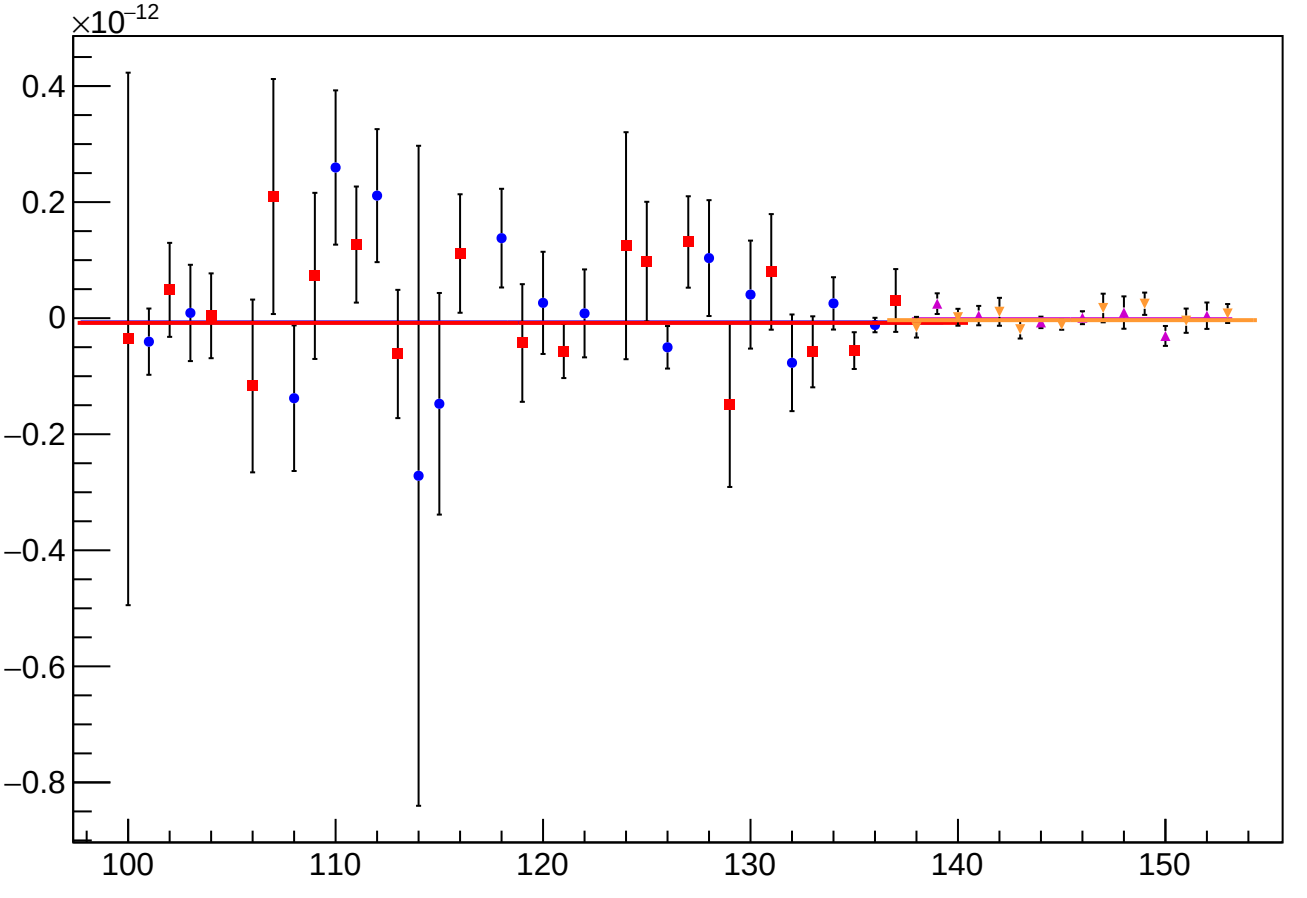
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 362.491+/-0.107 χ^2/NDF:498046.4/6

+ sign 435.884+/-0.089 χ^2/NDF: 4518992.7/24

All: 440.242+/-0.065 χ^2/NDF: 9285138.3/50

- sign 445.100+/-0.094 χ^2/NDF: 4761111.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/8

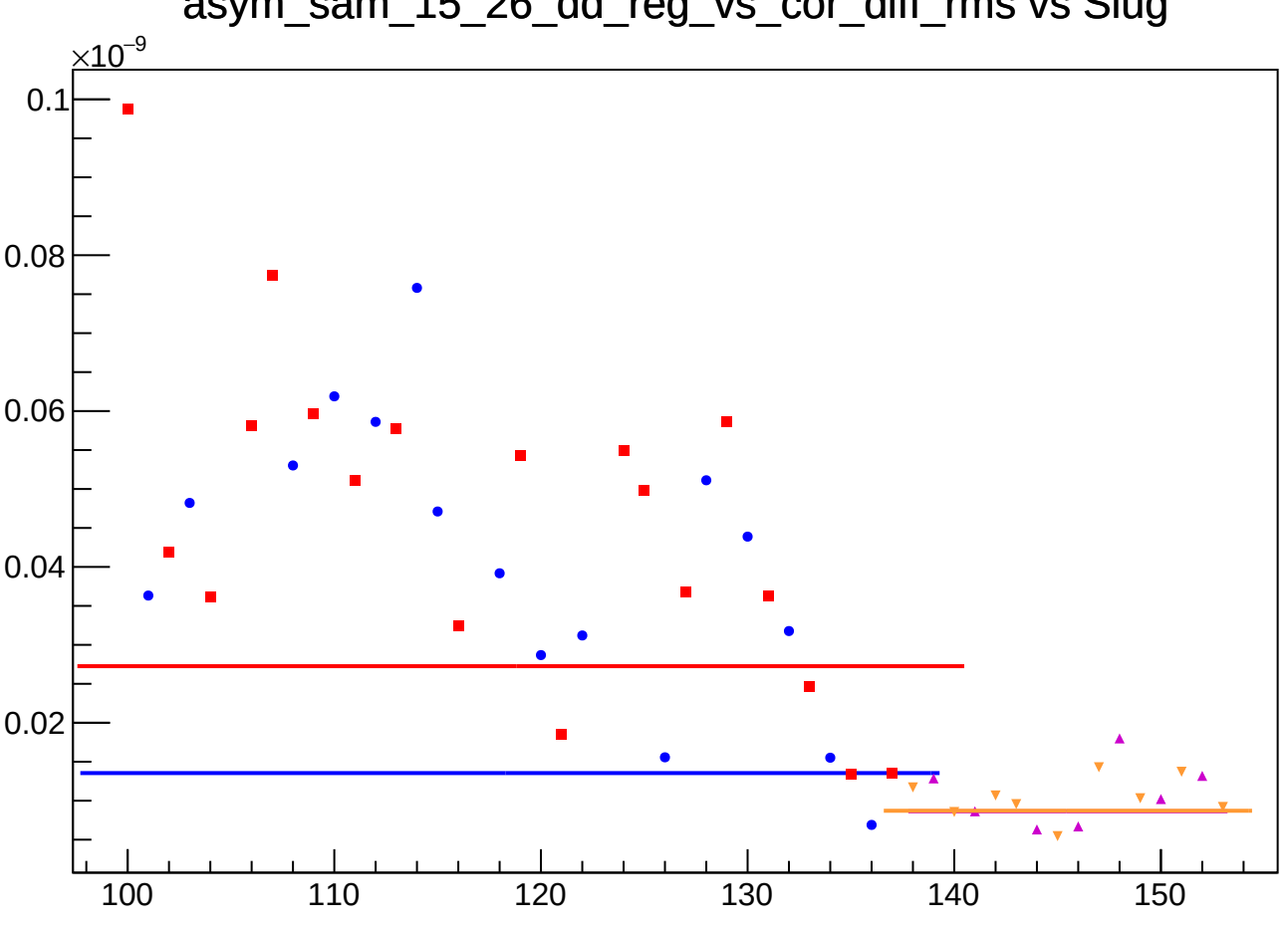
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/24

All: -0.000+/-0.000 χ^2/NDF: 46.4/50

- sign -0.000+/-0.000 χ^2/NDF: 23.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:583397.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

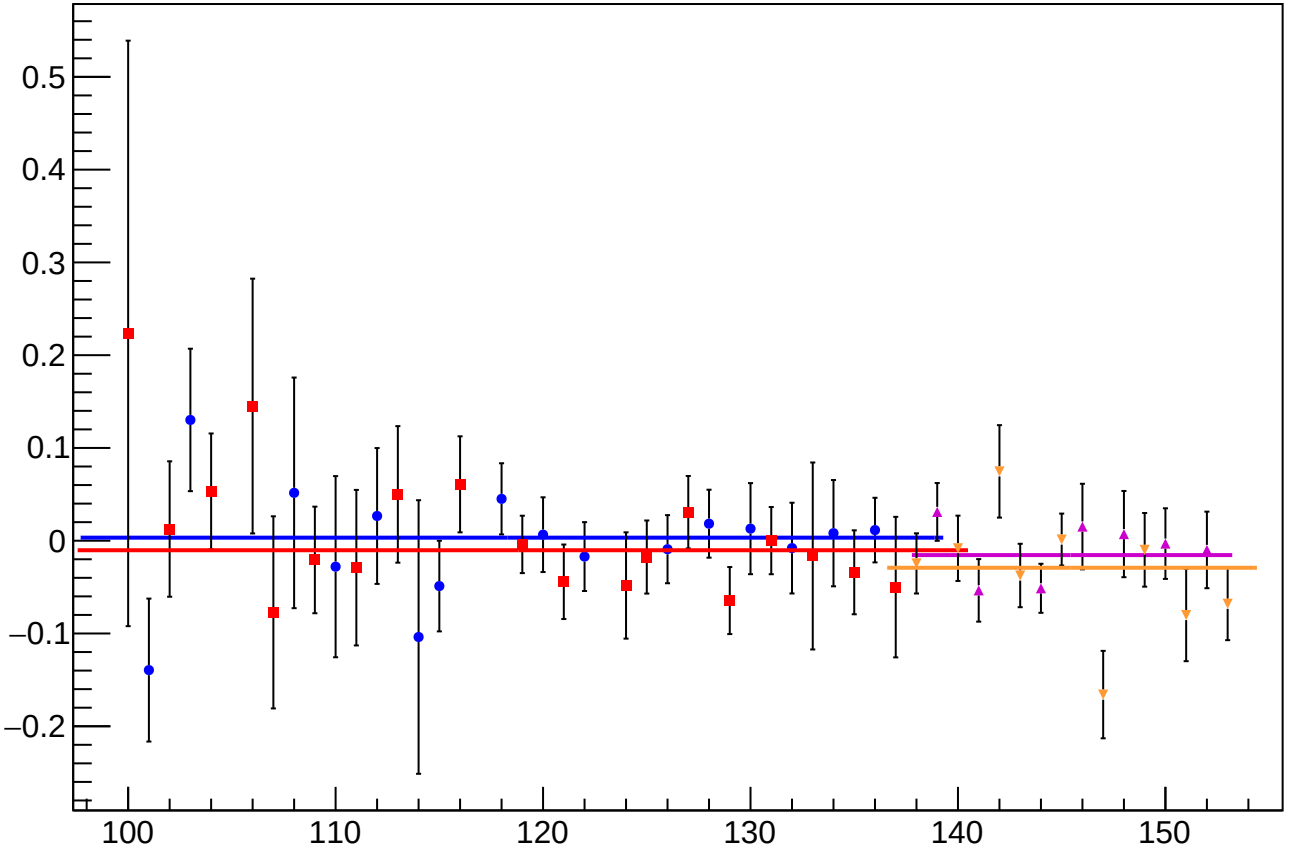
Left In: 0.000+/-0.000 χ^2/NDF:605901.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 3971294.1/24

All: 0.000+/-0.000 χ^2/NDF: 8427968.9/50

- sign 0.000+/-0.000 χ^2/NDF: 4434955.2/25

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.012 χ^2/NDF:16.6/8

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

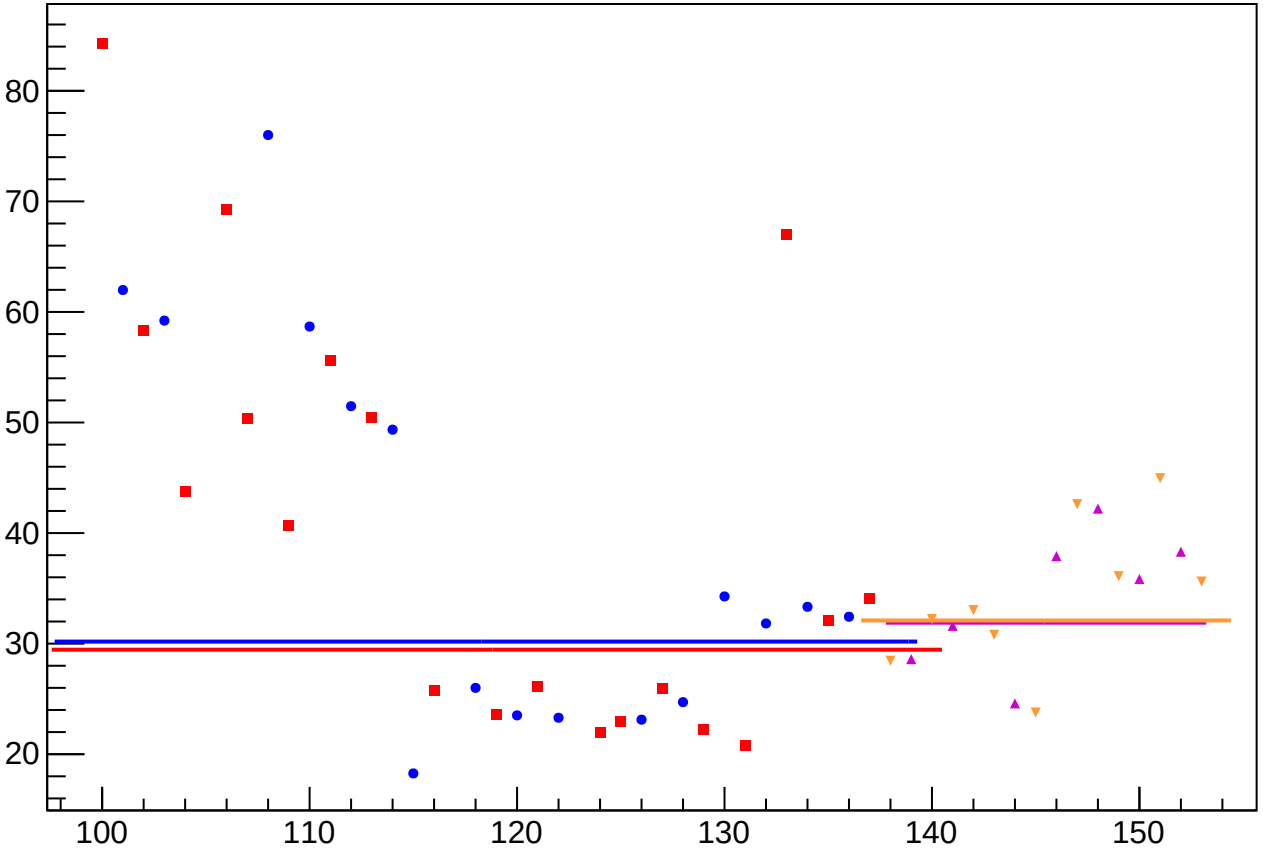
Left In: -0.015+/-0.013 χ^2/NDF:6.1/6

\+ sign -0.013+/-0.009 χ^2/NDF: 30.2/24

All: -0.013+/-0.006 χ^2/NDF: 47.7/50

\- sign -0.013+/-0.009 χ^2/NDF: 17.5/25

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.096+/-0.009 χ^2/NDF:476274.2/8

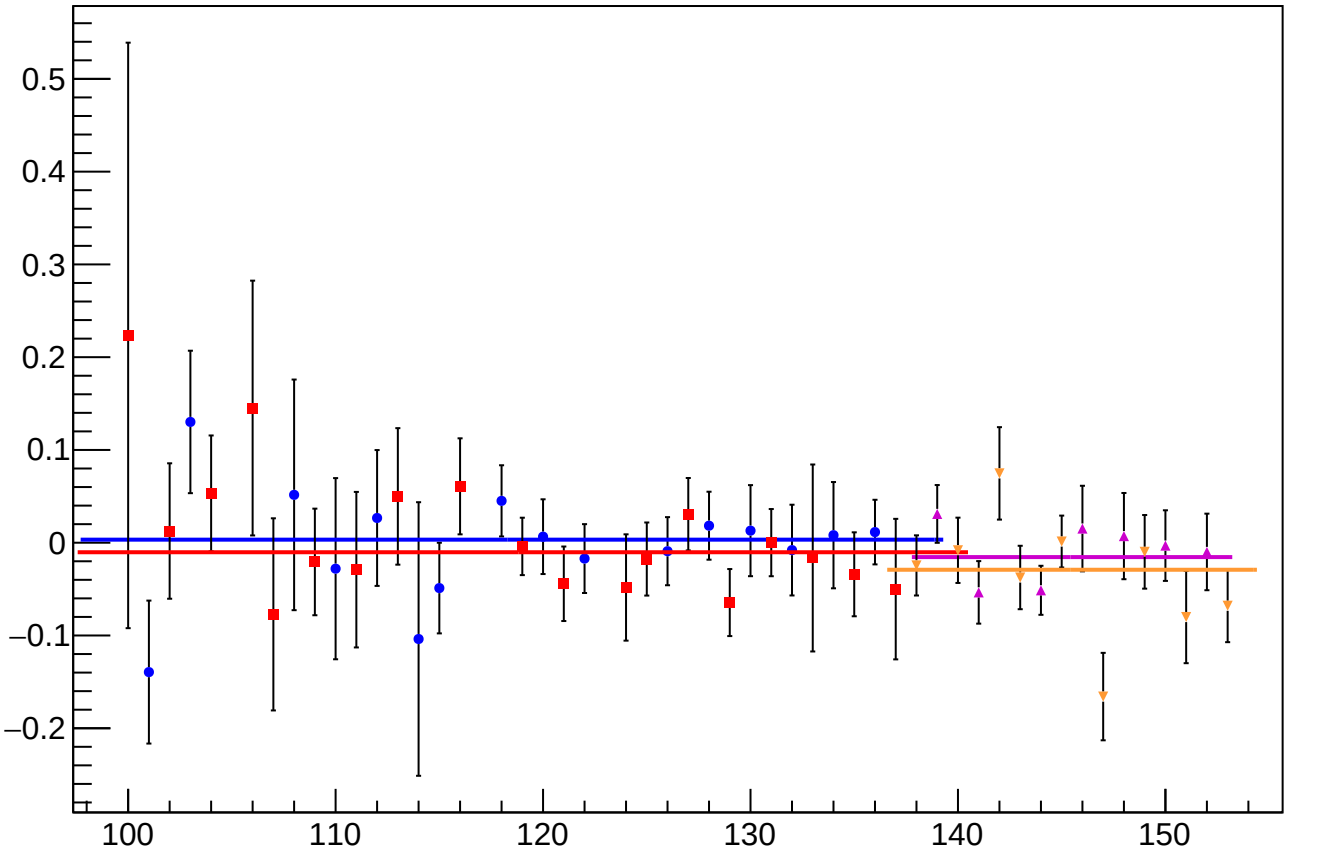
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.895+/-0.009 χ^2/NDF:377677.9/6

+ sign 31.127+/-0.006 χ^2/NDF: 2187453.8/24

All: 30.827+/-0.004 χ^2/NDF: 4455899.6/50

- sign 30.519+/-0.006 χ^2/NDF: 2263674.7/25



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.012 χ^2/NDF:16.6/8

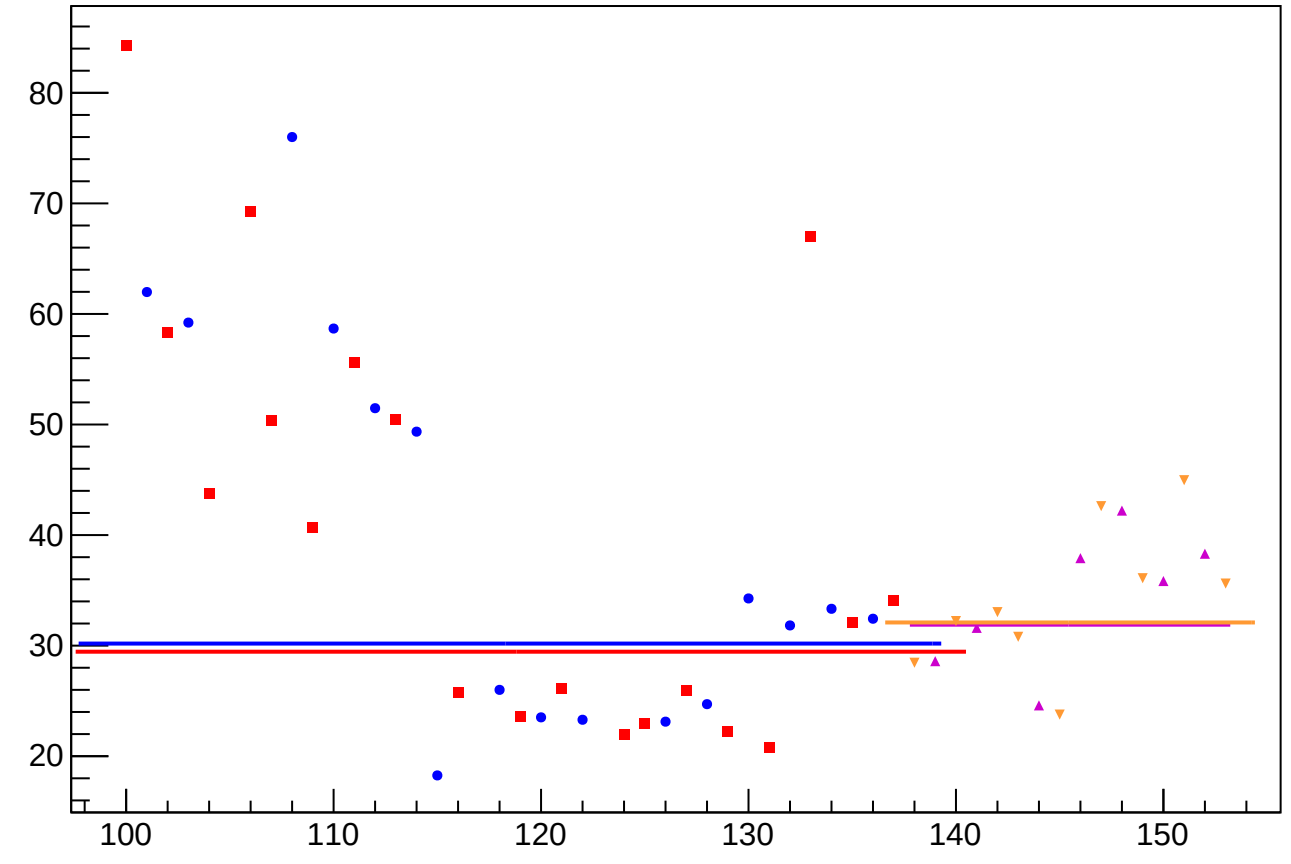
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.015+/-0.013 χ^2/NDF:6.1/6

+ sign -0.013+/-0.009 χ^2/NDF: 30.2/24

All: -0.013+/-0.006 χ^2/NDF: 47.7/50

- sign -0.013+/-0.009 χ^2/NDF: 17.5/25



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.096+/-0.009 χ^2/NDF:476274.2/8

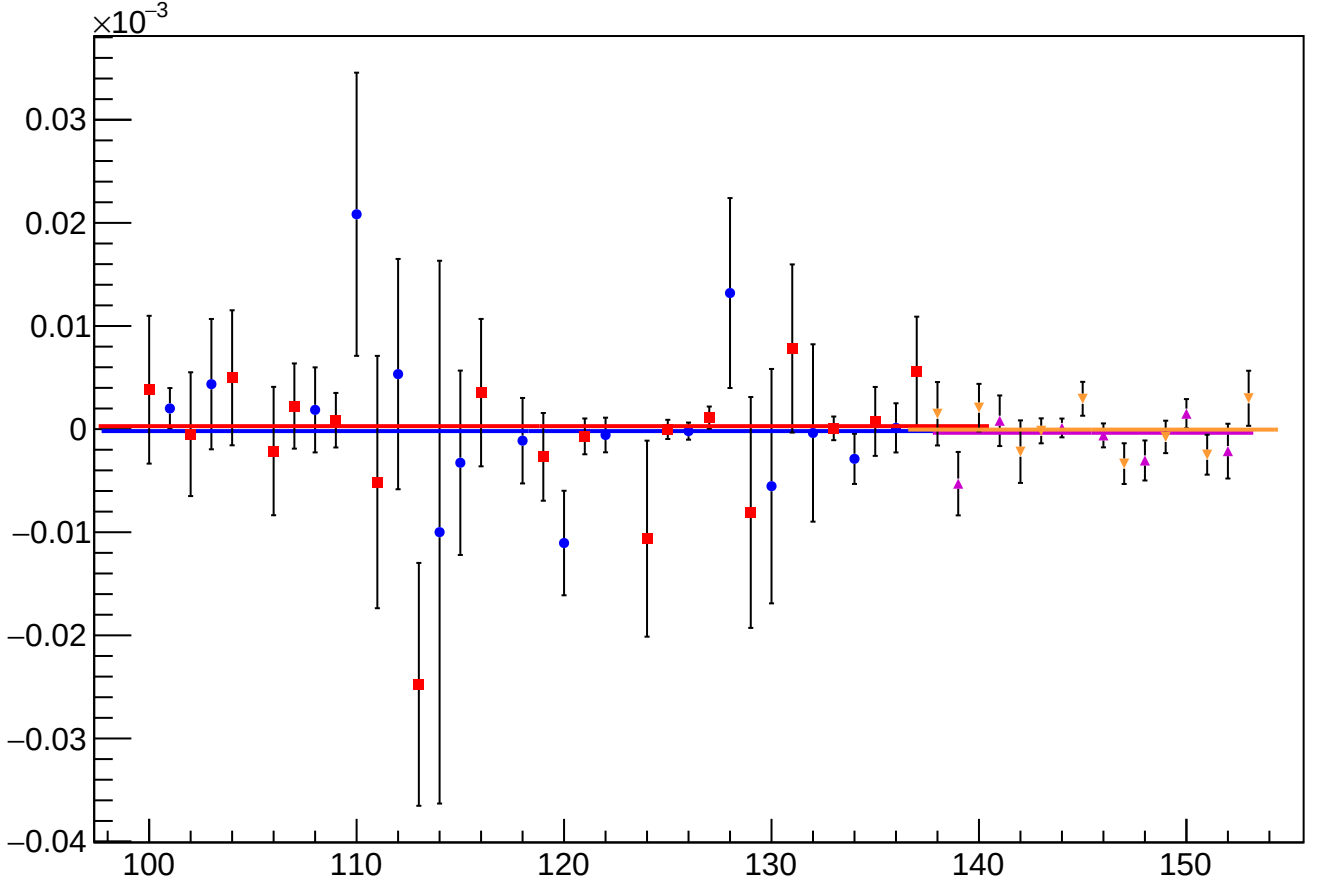
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.895+/-0.009 χ^2/NDF:377677.9/6

+ sign 31.127+/-0.006 χ^2/NDF: 2187453.8/24

All: 30.827+/-0.004 χ^2/NDF: 4455899.6/50

- sign 30.519+/-0.006 χ^2/NDF: 2263674.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.8/8

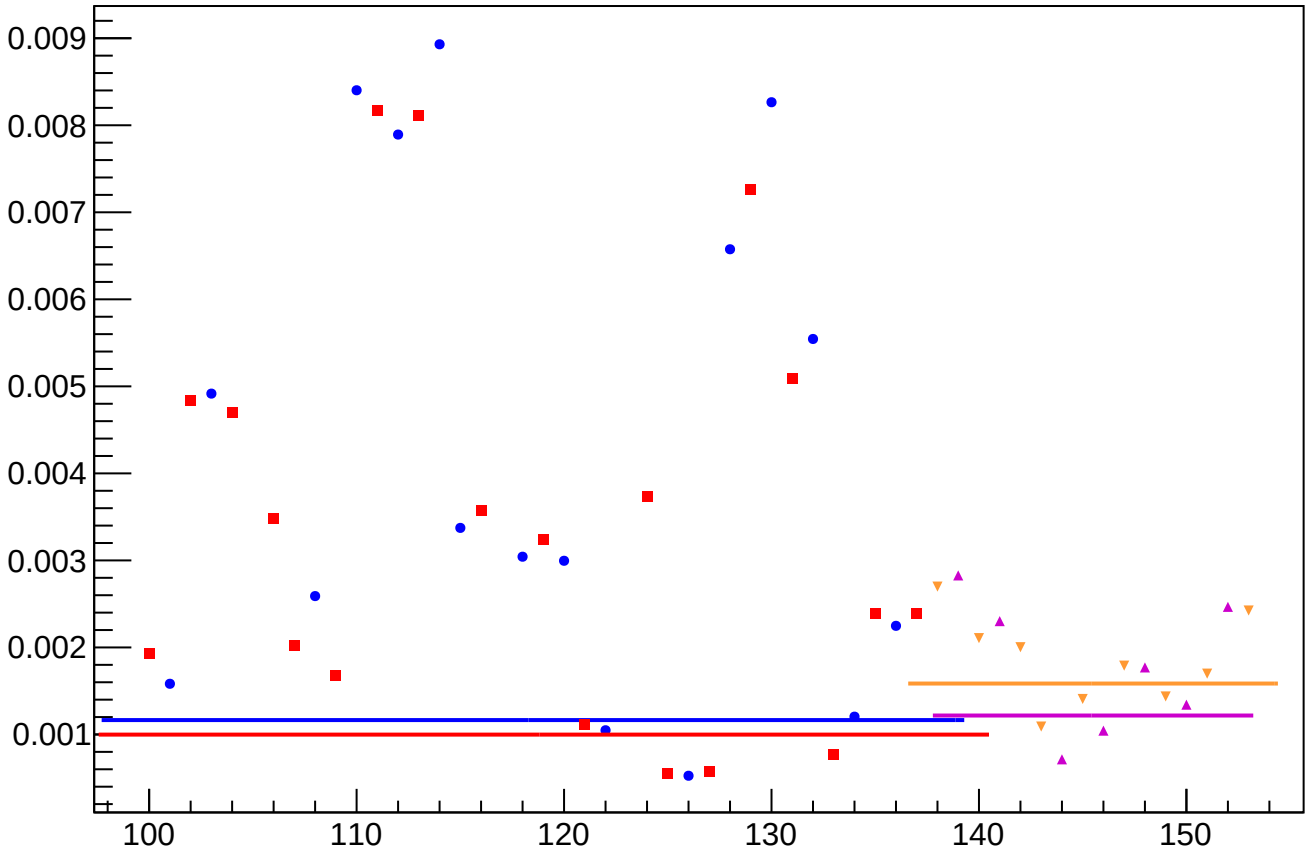
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 23.9/24

All: -0.000+/-0.000 χ^2/NDF: 43.2/50

- sign -0.000+/-0.000 χ^2/NDF: 19.3/25



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1003016.2/8

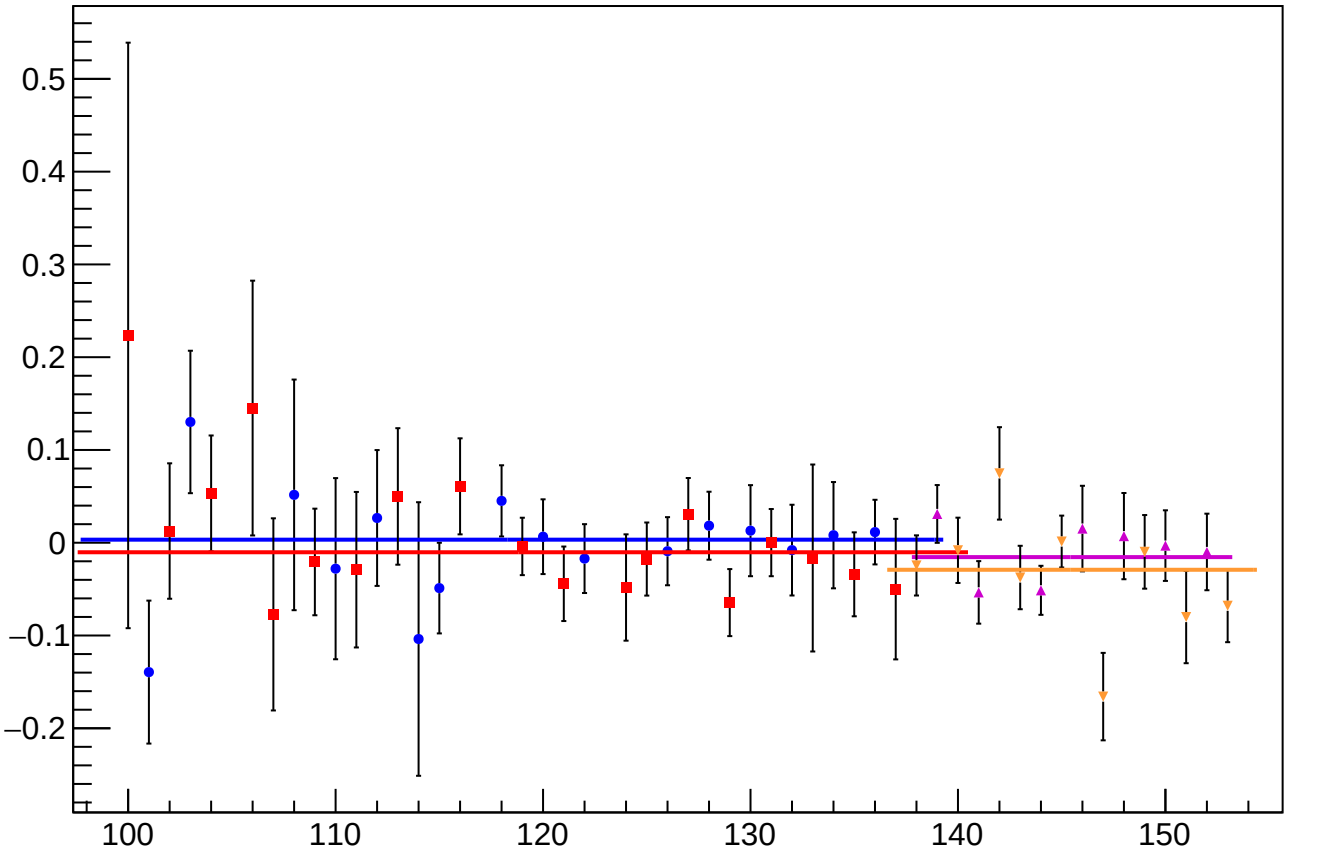
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

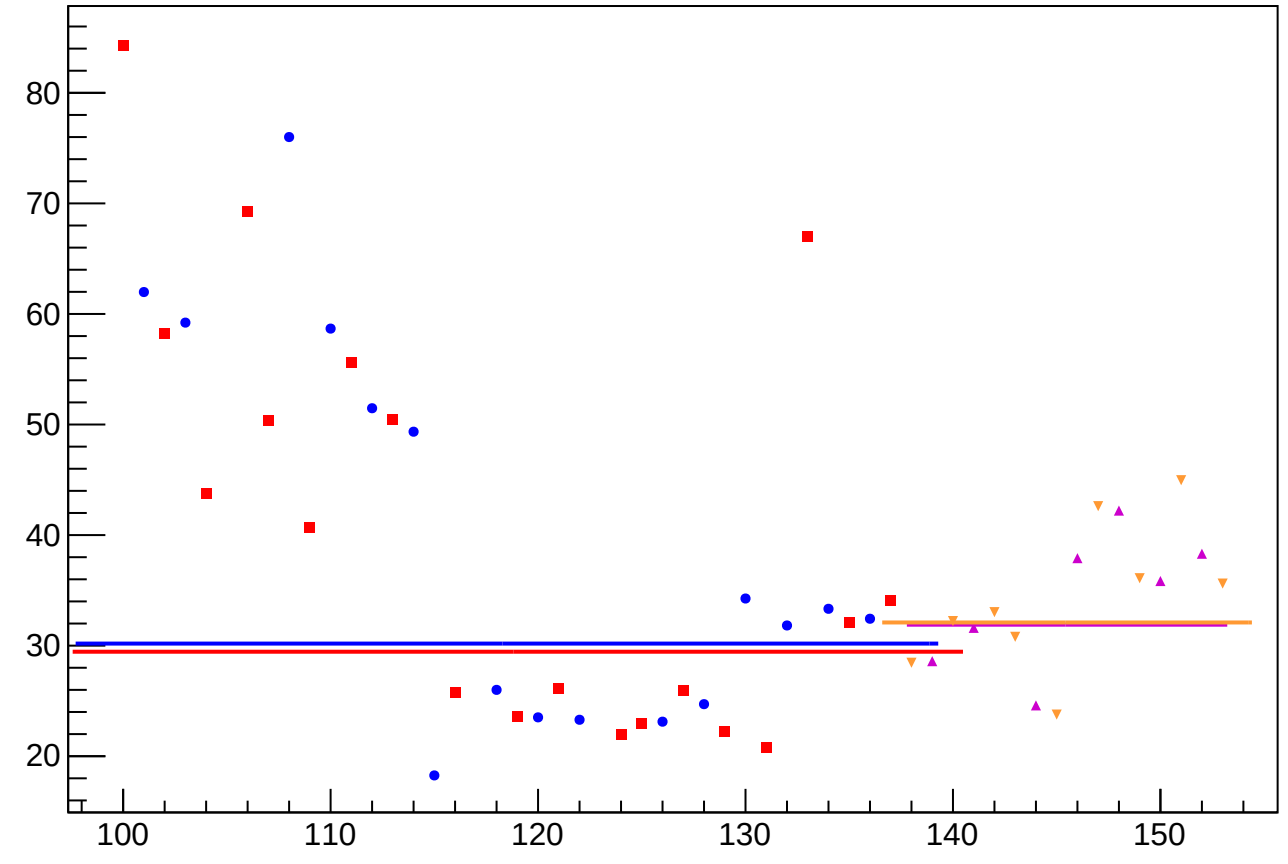
Left In: 0.001+/-0.000 χ^2/NDF:2214150.6/6

+ sign 0.001+/-0.000 χ^2/NDF: 8340133.6/24

All: 0.001+/-0.000 χ^2/NDF: 18084247.6/50

- sign 0.001+/-0.000 χ^2/NDF: 9313586.9/25


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.029+/-0.012 χ²/NDF:16.6/8
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.015+/-0.013 χ²/NDF:6.1/6
+ sign -0.013+/-0.009 χ²/NDF: 30.2/24
All: -0.013+/-0.006 χ²/NDF: 47.7/50
- sign -0.013+/-0.009 χ²/NDF: 17.5/25



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 32.096+/-0.009 χ^2/NDF:476244.8/8

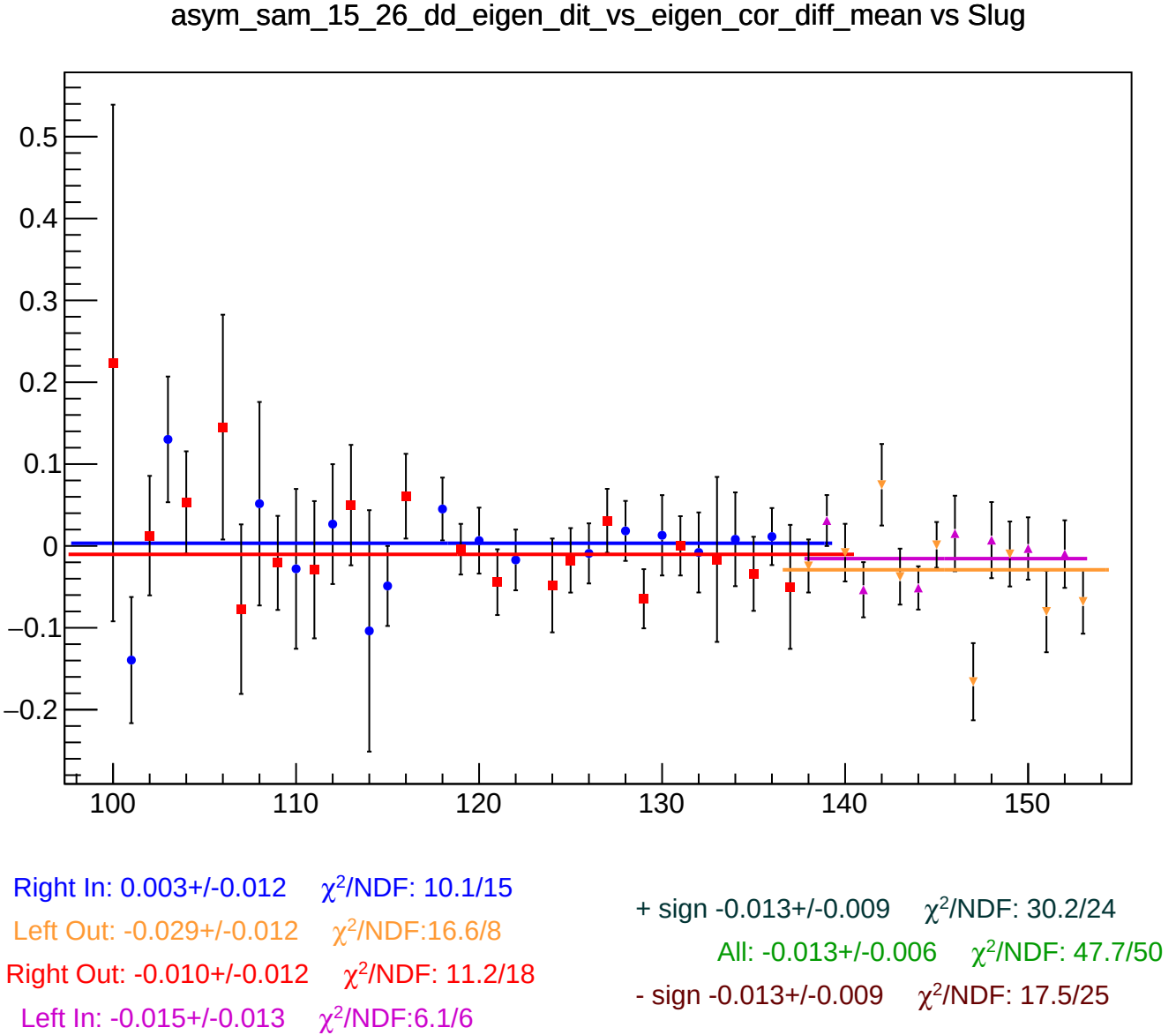
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

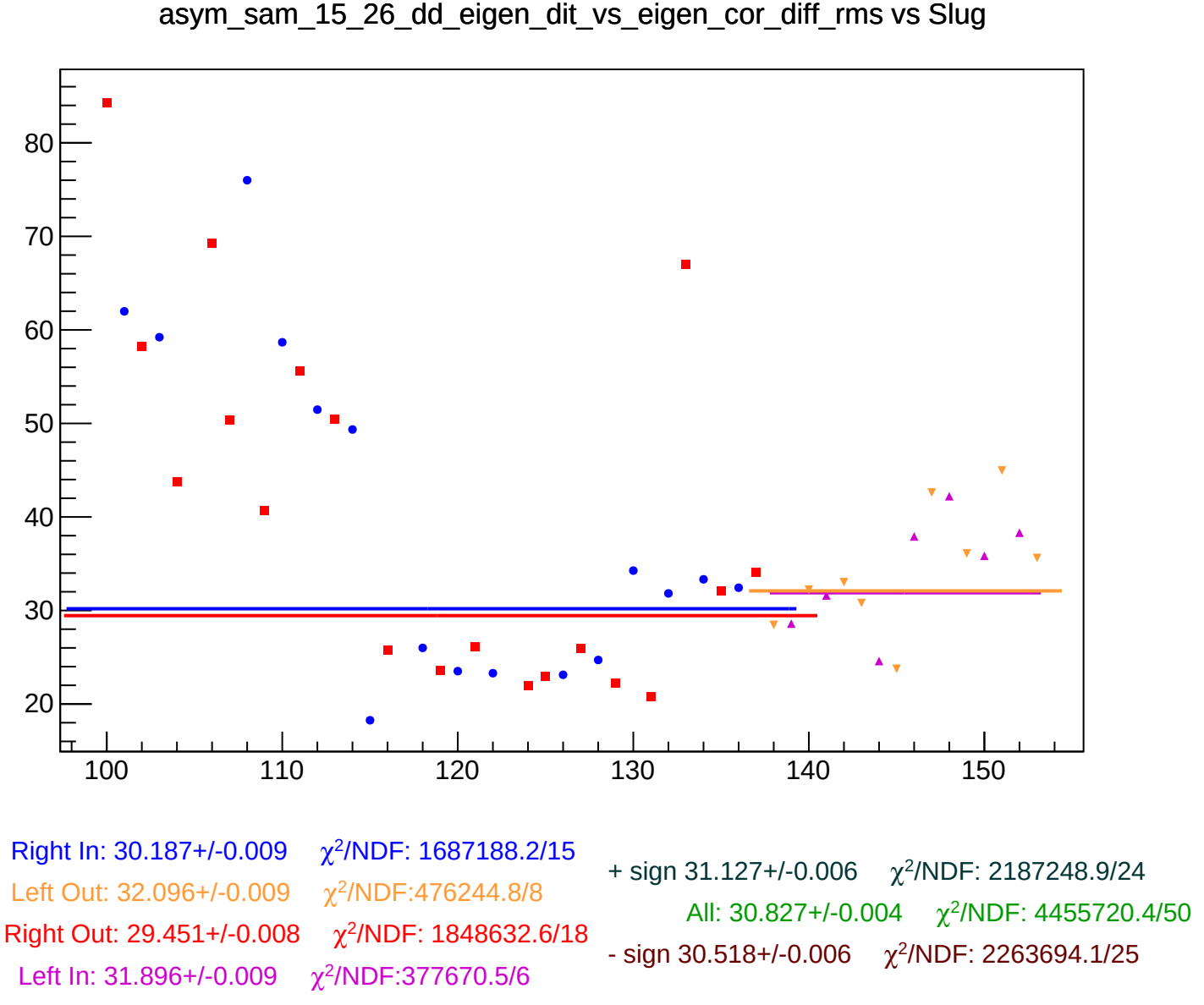
Left In: 31.896+/-0.009 χ^2/NDF:377670.5/6

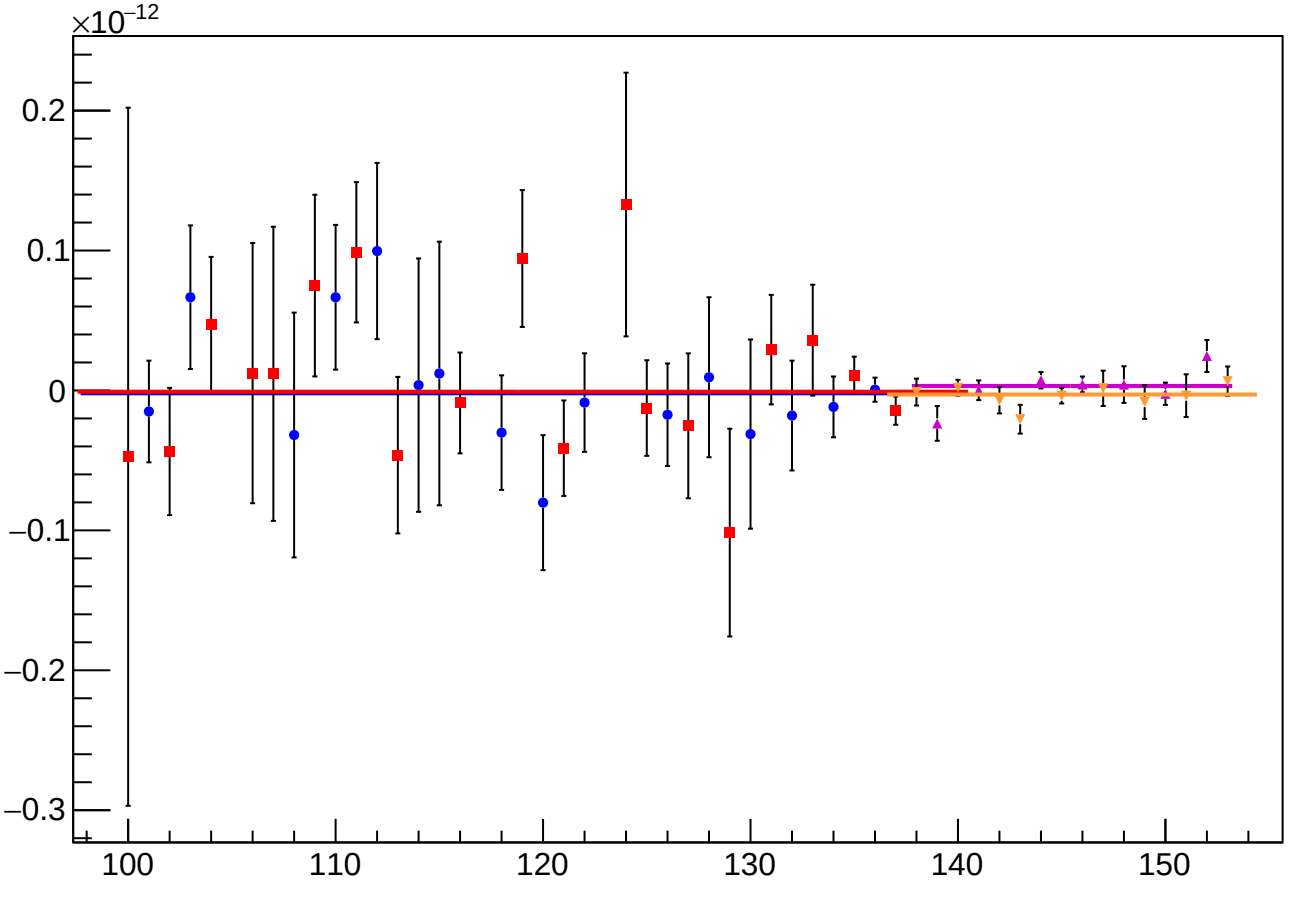
+ sign 31.127+/-0.006 χ^2/NDF: 2187248.9/24

All: 30.827+/-0.004 χ^2/NDF: 4455720.4/50

- sign 30.518+/-0.006 χ^2/NDF: 2263694.1/25


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.029+/-0.012 χ²/NDF:16.6/8
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.015+/-0.013 χ²/NDF:6.1/6
+ sign -0.013+/-0.009 χ²/NDF: 30.2/24
All: -0.013+/-0.006 χ²/NDF: 47.7/50
- sign -0.013+/-0.009 χ²/NDF: 17.5/25


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 32.096+/-0.009 χ²/NDF:476244.8/8
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 31.896+/-0.009 χ²/NDF:377670.5/6
+ sign 31.127+/-0.006 χ²/NDF: 2187248.9/24
All: 30.827+/-0.004 χ²/NDF: 4455720.4/50
- sign 30.518+/-0.006 χ²/NDF: 2263694.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/8

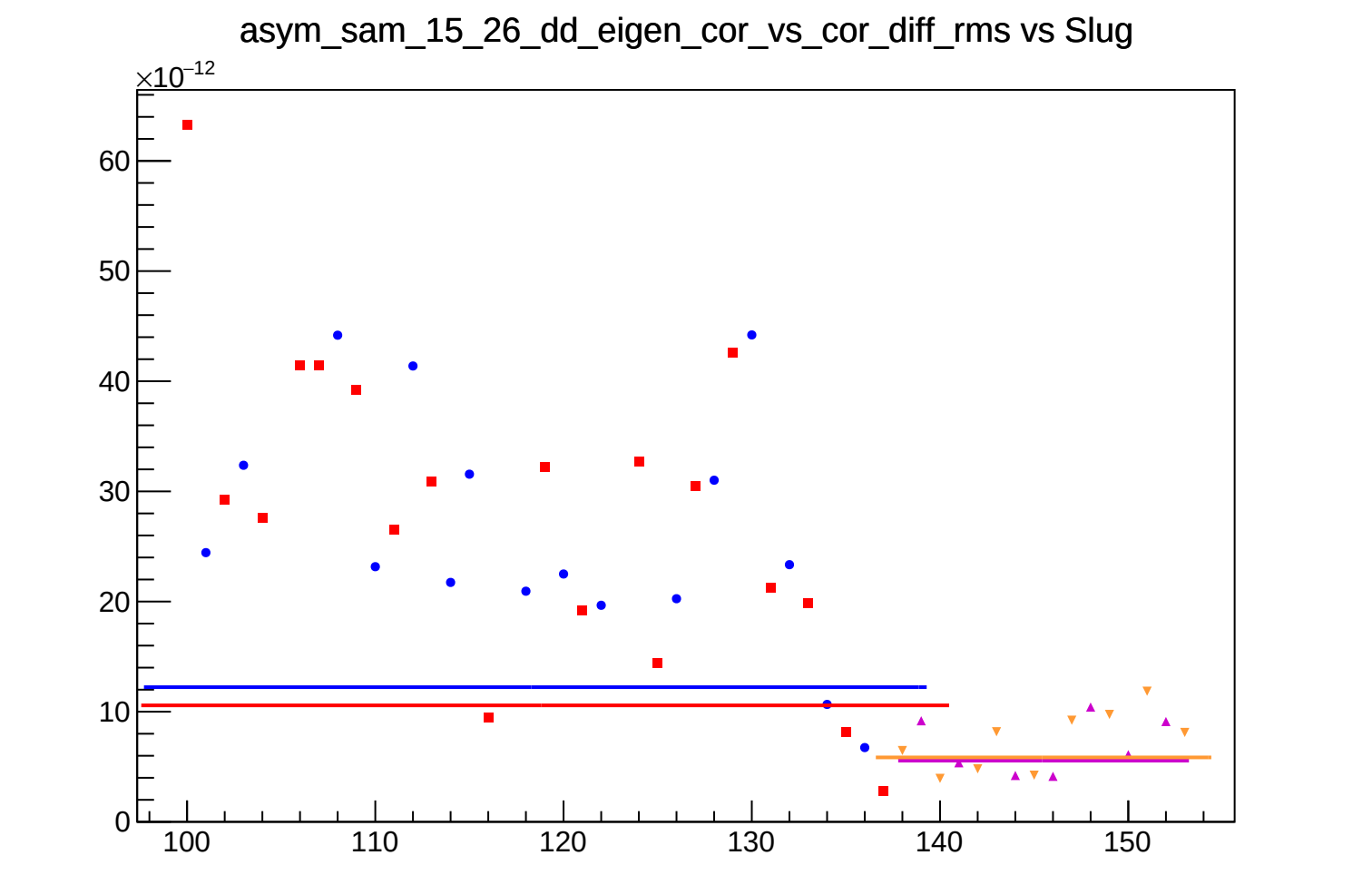
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/6

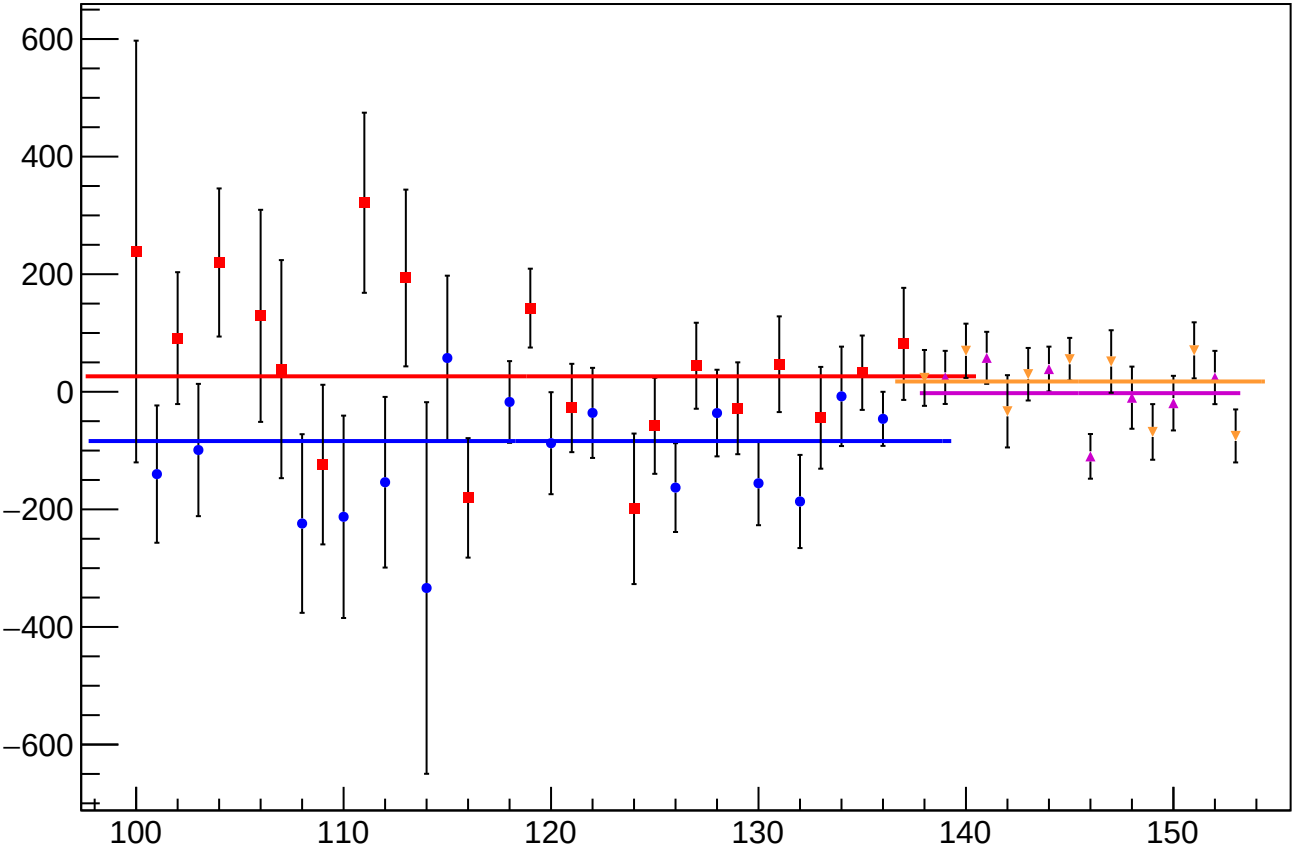
+ sign -0.000+/-0.000 χ^2/NDF: 15.5/24

All: -0.000+/-0.000 χ^2/NDF: 48.6/50

- sign 0.000+/-0.000 χ^2/NDF: 31.1/25


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1284798.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:883127.6/6
+ sign 0.000+/-0.000 χ²/NDF: 6208795.5/24
All: 0.000+/-0.000 χ²/NDF: 12838726.0/50
- sign 0.000+/-0.000 χ²/NDF: 6603143.5/25

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 17.525+/-15.490 χ^2/NDF:12.3/8

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

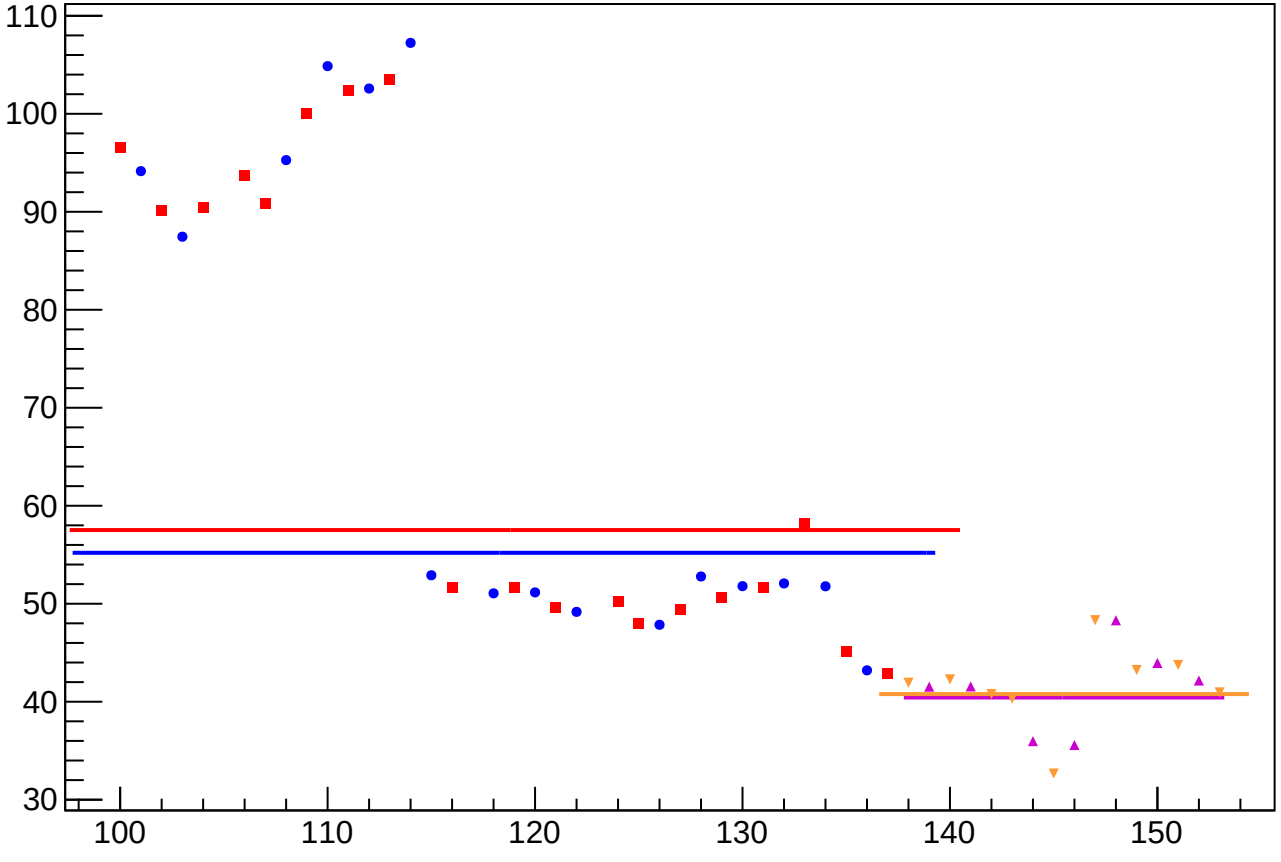
Left In: -2.334+/-16.460 χ^2/NDF:11.9/6

+ sign -17.240+/-12.555 χ^2/NDF: 37.5/24

All: -5.292+/-9.095 χ^2/NDF: 75.3/50

- sign 7.903+/-13.194 χ^2/NDF: 35.9/25

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.780+/-0.011 χ^2/NDF:156586.9/8

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

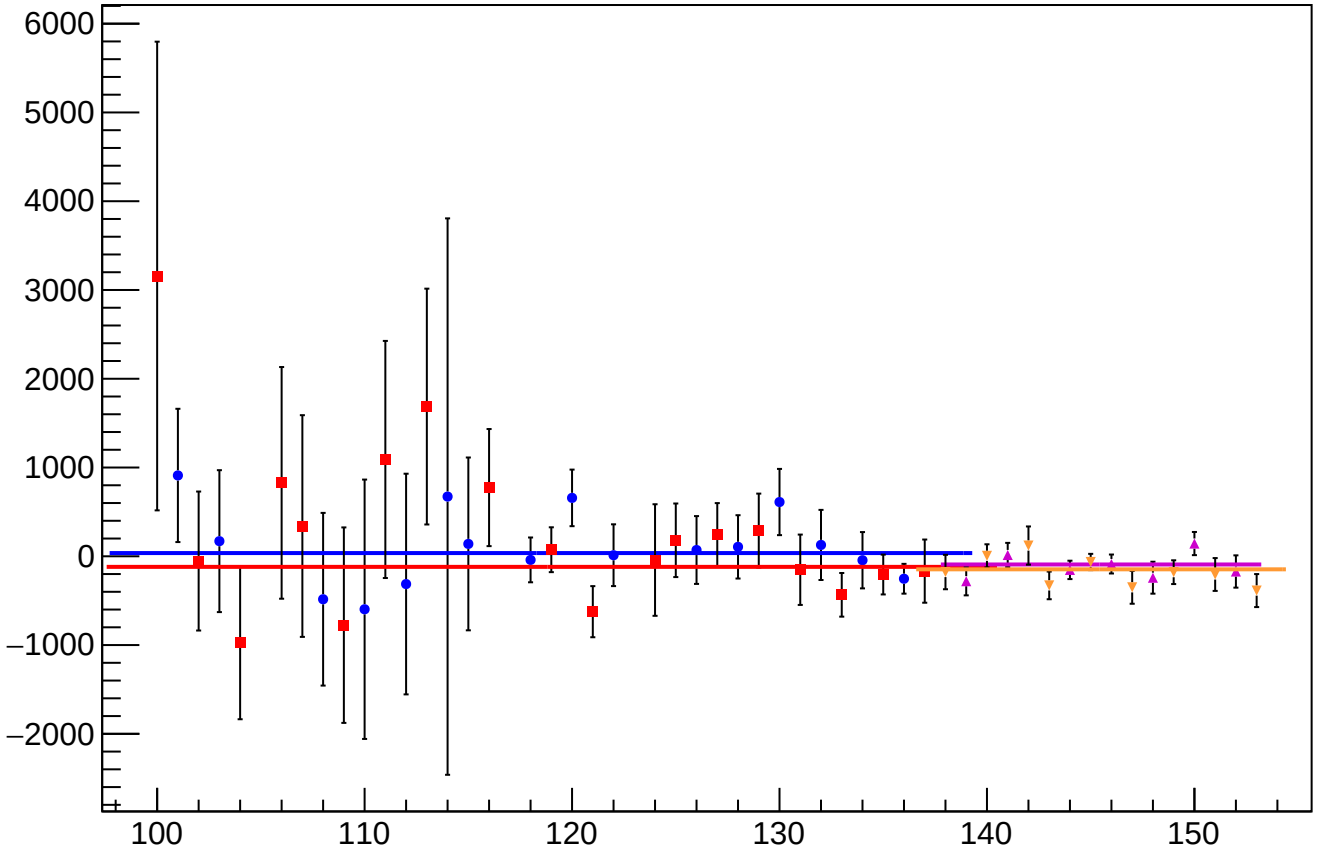
Left In: 40.430+/-0.012 χ^2/NDF:121238.9/6

+ sign 45.726+/-0.009 χ^2/NDF: 1903610.5/24

All: 46.113+/-0.006 χ^2/NDF: 4081271.7/50

- sign 46.539+/-0.009 χ^2/NDF: 2173675.4/25

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -146.938+/-49.341 χ^2/NDF:8.1/8

Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

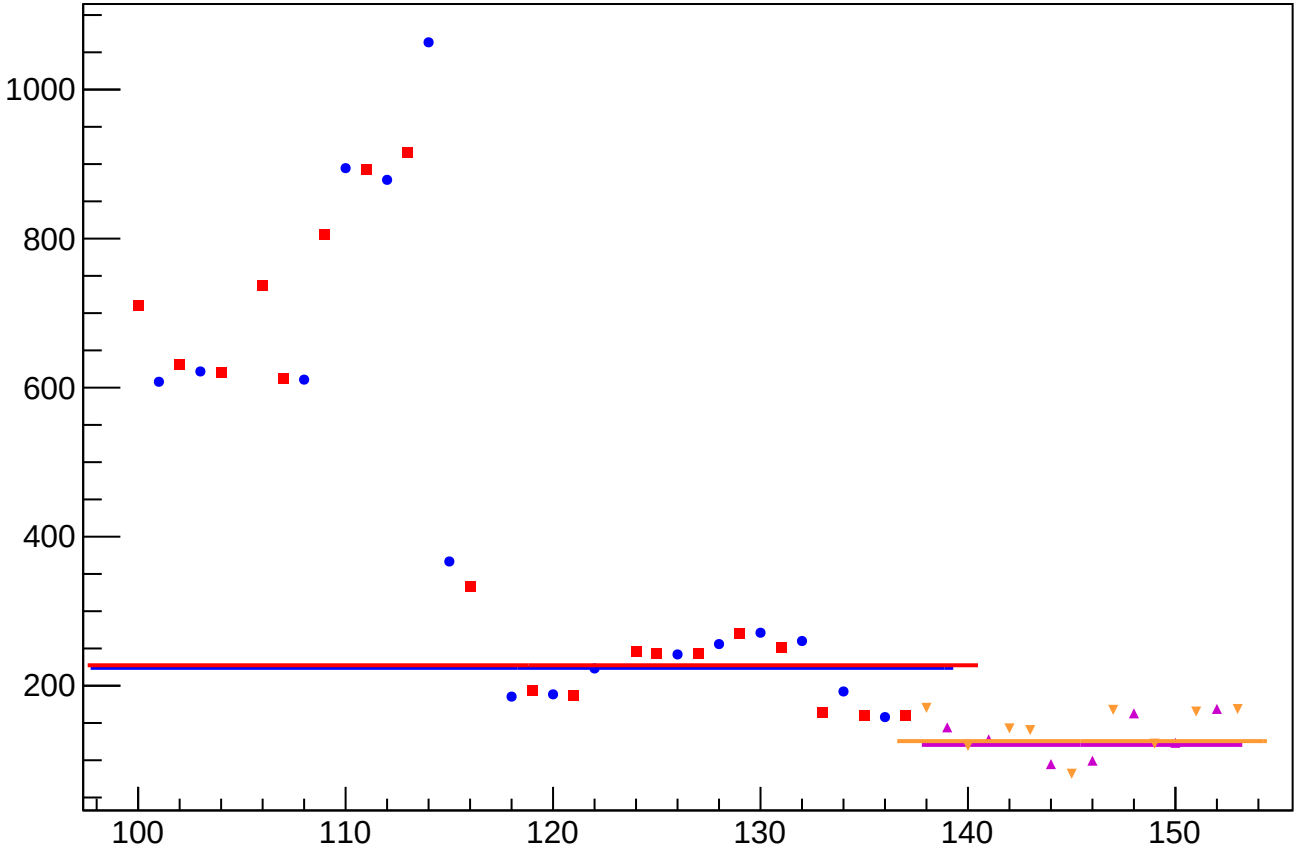
Left In: -92.257+/-50.389 χ^2/NDF:6.5/6

+ sign -107.061+/-43.644 χ^2/NDF: 22.5/24

All: -102.670+/-31.193 χ^2/NDF: 45.1/50

- sign -98.085+/-44.599 χ^2/NDF: 22.6/25

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 125.661+/-0.035 χ^2/NDF:901752.3/8

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

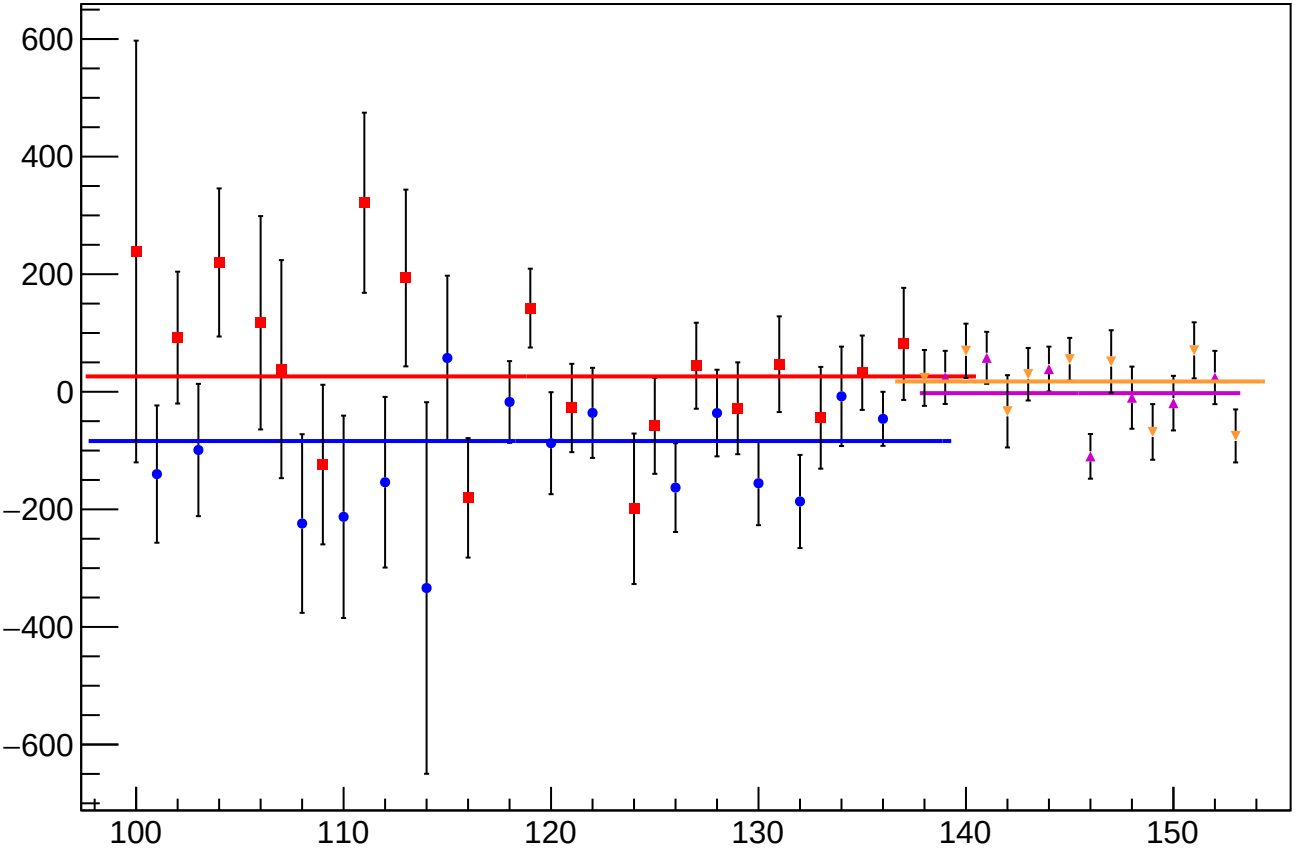
Left In: 120.617+/-0.036 χ^2/NDF:504916.8/6

+ sign 147.068+/-0.031 χ^2/NDF: 5599925.6/24

All: 145.447+/-0.022 χ^2/NDF: 11698309.6/5

- sign 143.755+/-0.032 χ^2/NDF: 6092747.3/25

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 17.524+/-15.490 χ^2/NDF:12.3/8

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

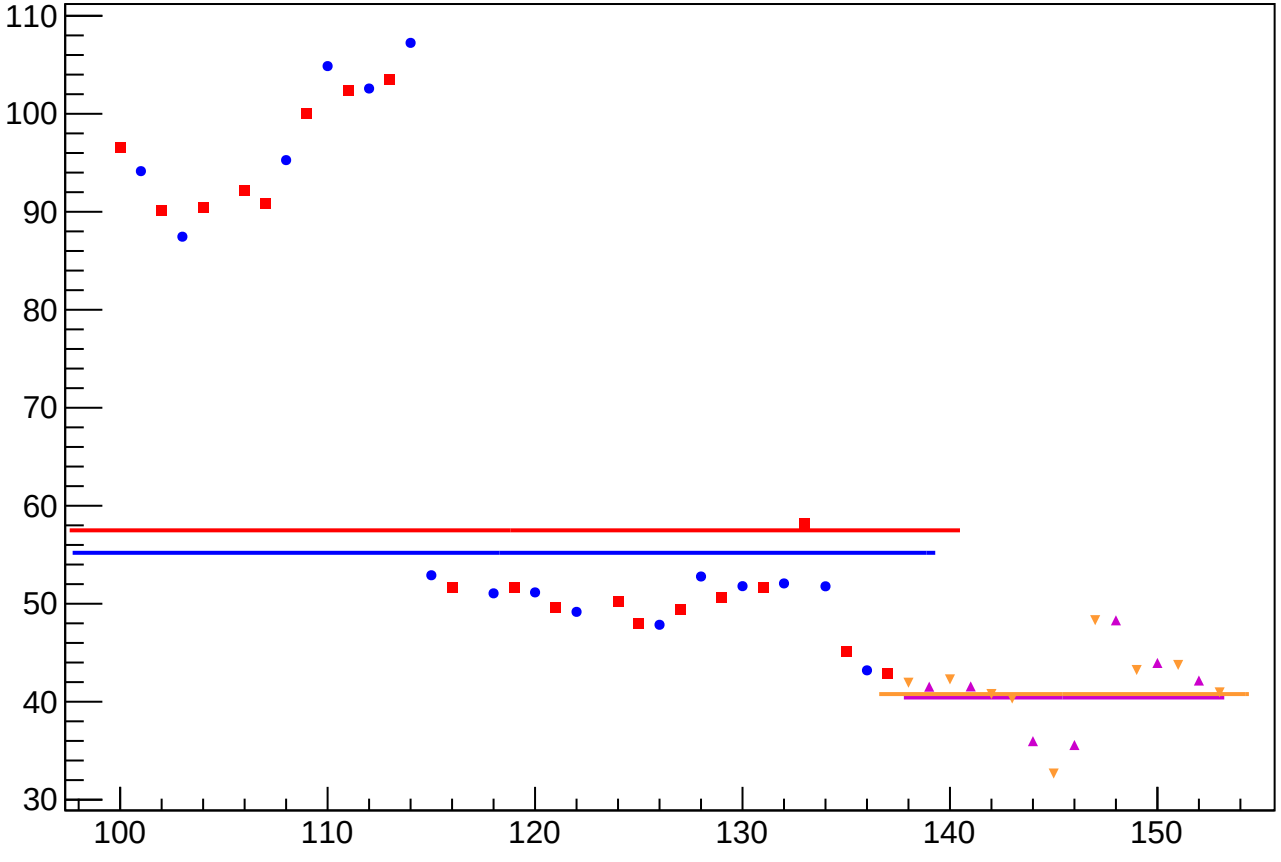
Left In: -2.335+/-16.460 χ^2/NDF:11.9/6

+ sign -17.239+/-12.555 χ^2/NDF: 37.5/24

All: -5.320+/-9.095 χ^2/NDF: 75.3/50

- sign 7.844+/-13.194 χ^2/NDF: 35.8/25

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.780+/-0.011 χ^2/NDF:156586.9/8

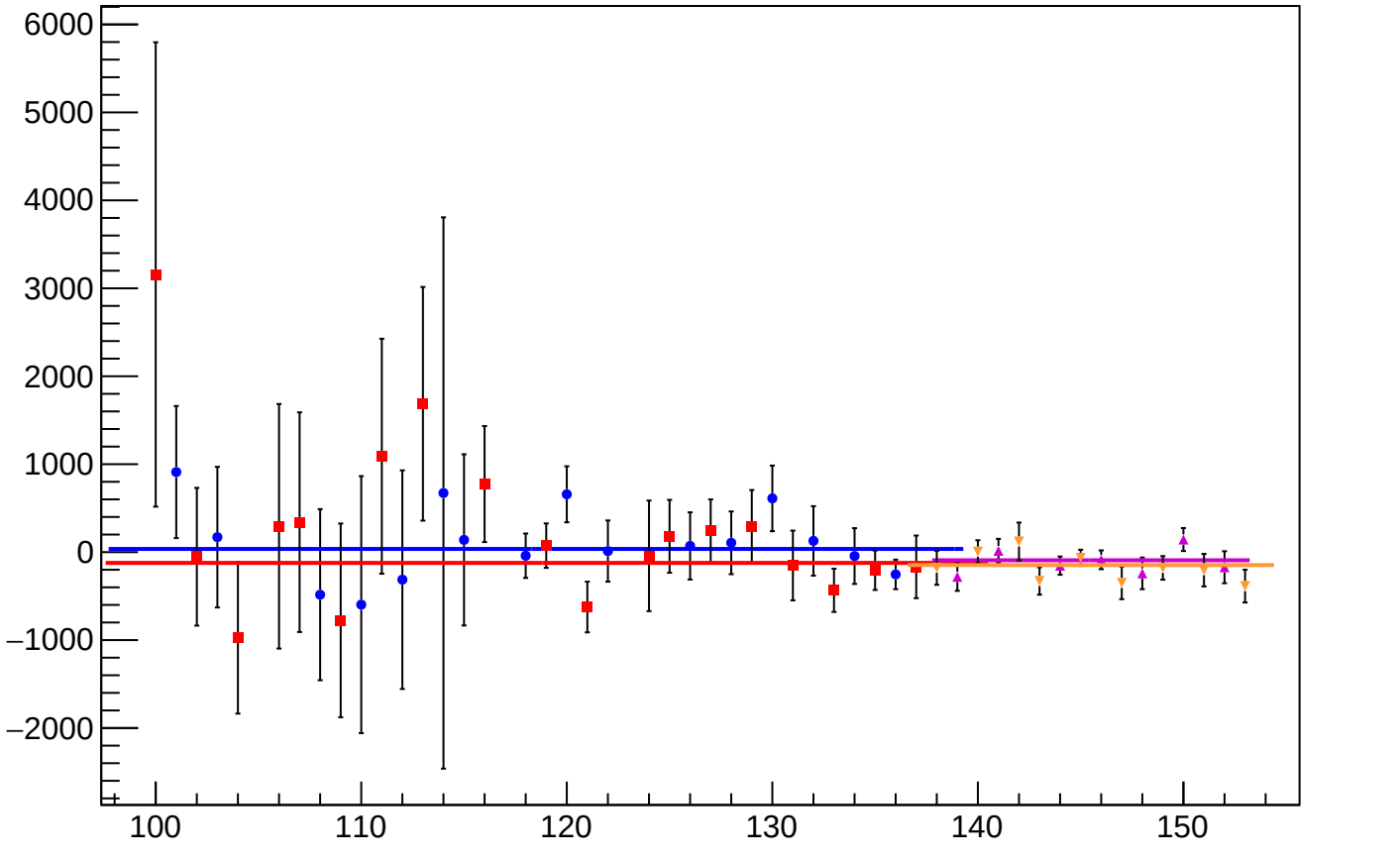
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.430+/-0.012 χ^2/NDF:121238.9/6

+ sign 45.726+/-0.009 χ^2/NDF: 1903610.7/24

All: 46.107+/-0.006 χ^2/NDF: 4071061.7/50

- sign 46.528+/-0.009 χ^2/NDF: 2163573.2/25



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -146.940+/-49.341 χ^2/NDF:8.1/8

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

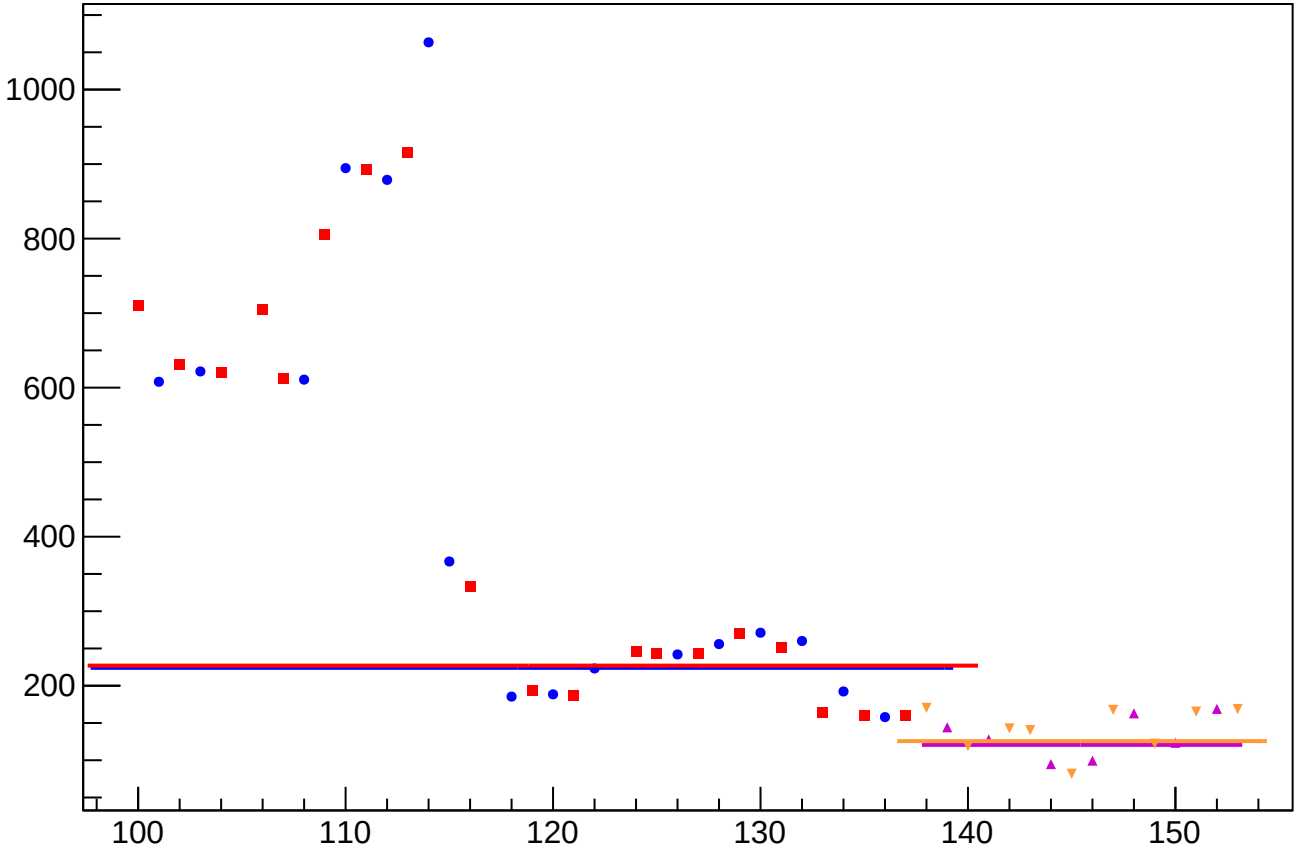
Left In: -92.257+/-50.389 χ^2/NDF:6.5/6

+ sign -107.063+/-43.644 χ^2/NDF: 22.5/24

All: -103.001+/-31.194 χ^2/NDF: 44.7/50

- sign -98.758+/-44.603 χ^2/NDF: 22.2/25

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 125.661+/-0.035 χ^2/NDF:901757.3/8

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

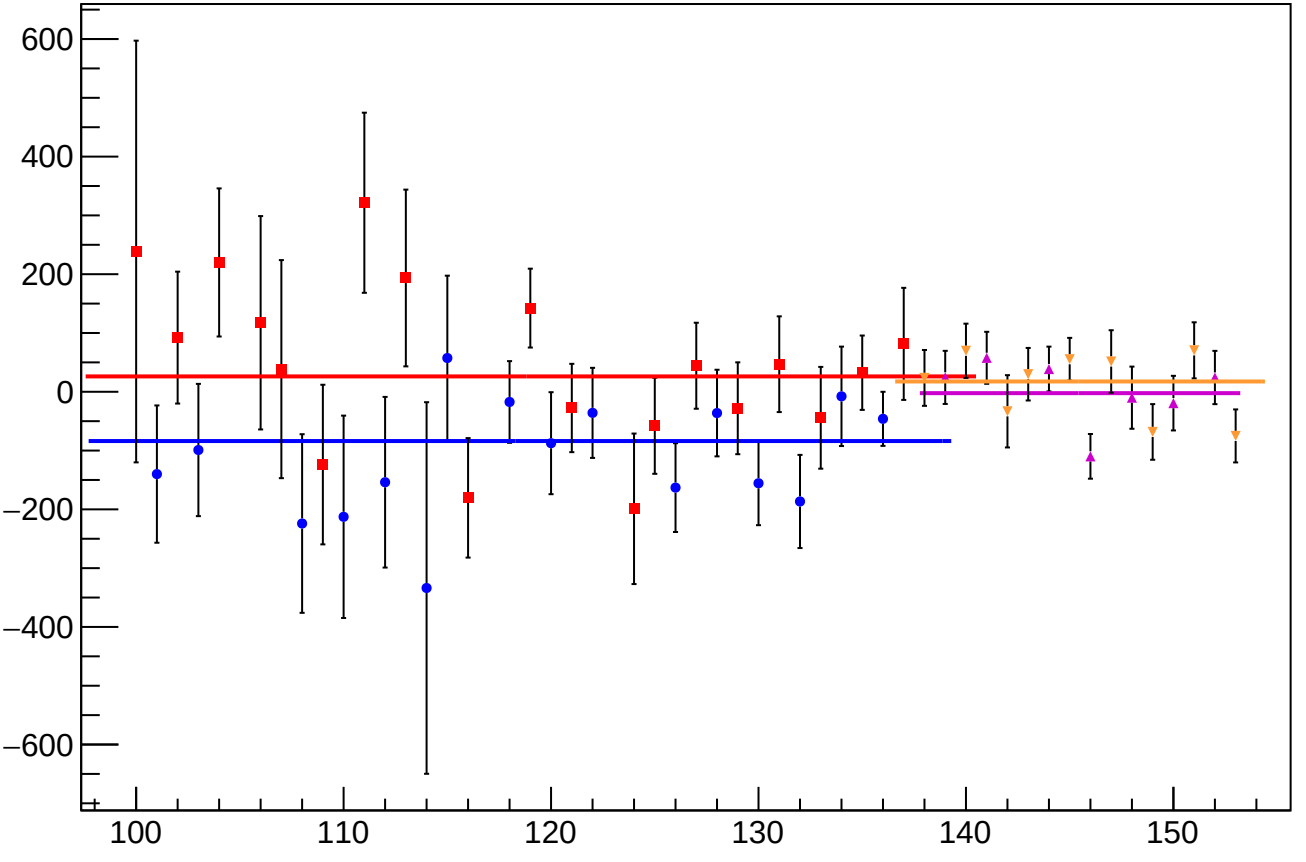
Left In: 120.616+/-0.036 χ^2/NDF:504916.8/6

+ sign 147.068+/-0.031 χ^2/NDF: 5599937.0/24

All: 145.391+/-0.022 χ^2/NDF: 11611600.9/50

- sign 143.639+/-0.032 χ^2/NDF: 6005626.2/25

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 17.524+/-15.490 χ^2/NDF:12.3/8

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

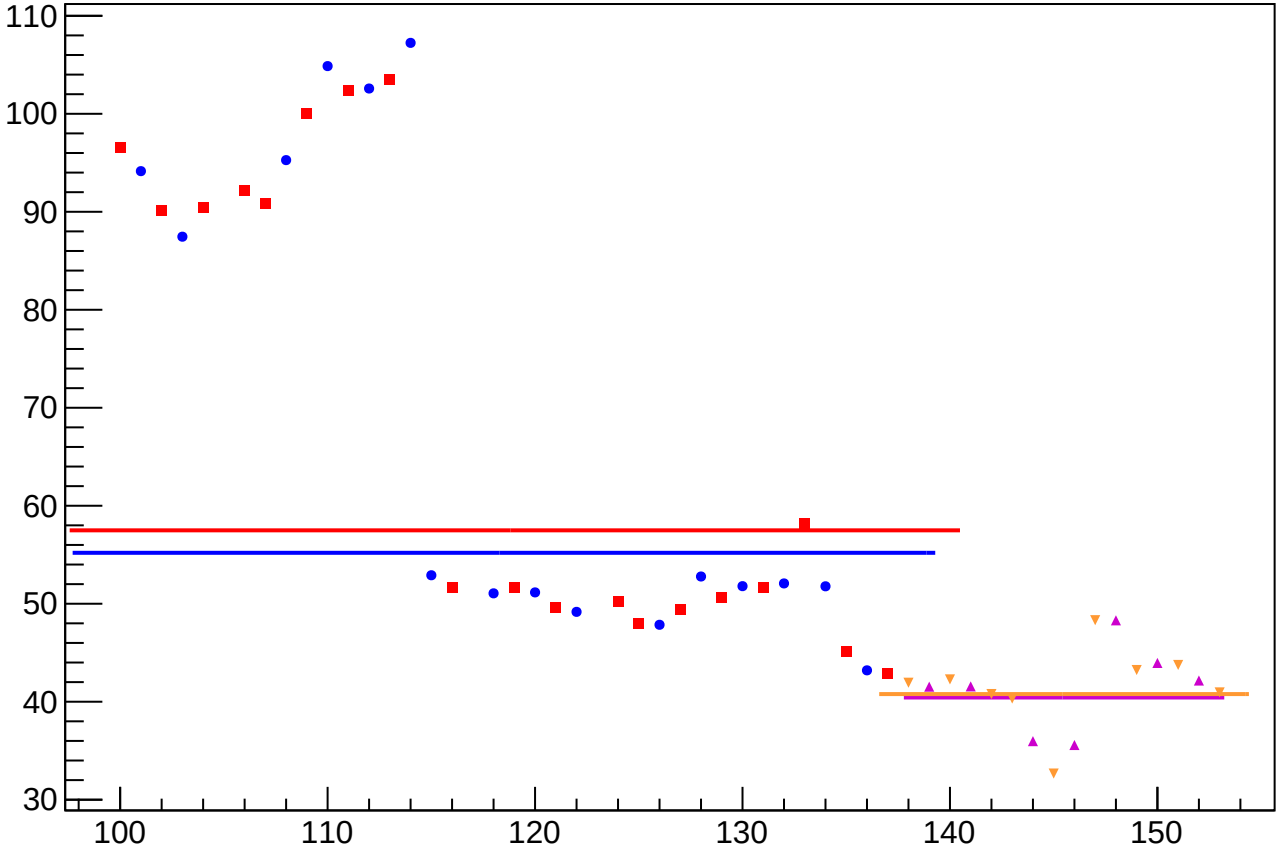
Left In: -2.335+/-16.460 χ^2/NDF:11.9/6

+ sign -17.239+/-12.555 χ^2/NDF: 37.5/24

All: -5.320+/-9.095 χ^2/NDF: 75.3/50

- sign 7.844+/-13.194 χ^2/NDF: 35.8/25

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.780+/-0.011 χ^2/NDF:156586.9/8

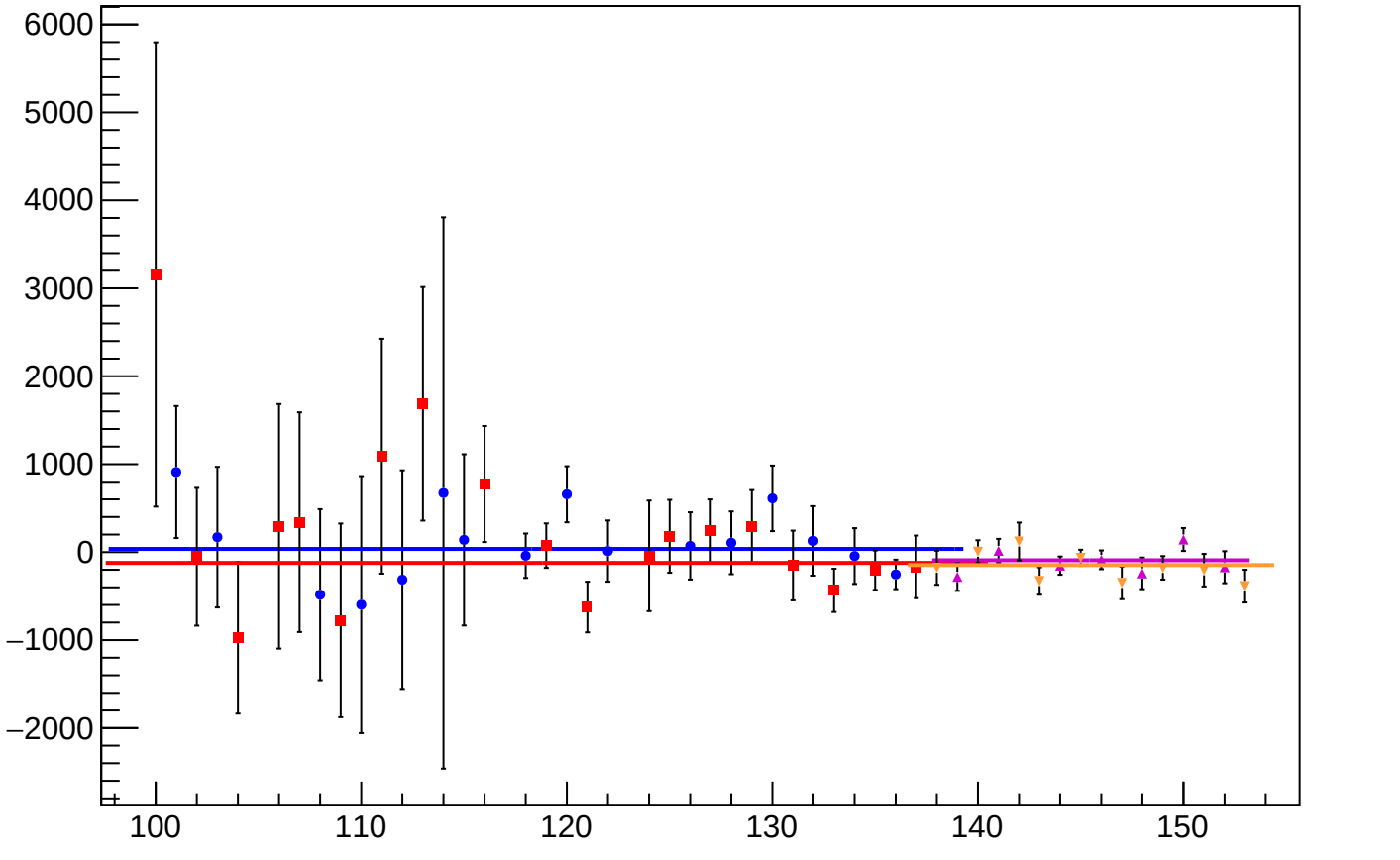
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.430+/-0.012 χ^2/NDF:121238.9/6

+ sign 45.726+/-0.009 χ^2/NDF: 1903610.7/24

All: 46.107+/-0.006 χ^2/NDF: 4071061.7/50

- sign 46.528+/-0.009 χ^2/NDF: 2163573.2/25



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -146.940+/-49.341 χ^2/NDF:8.1/8

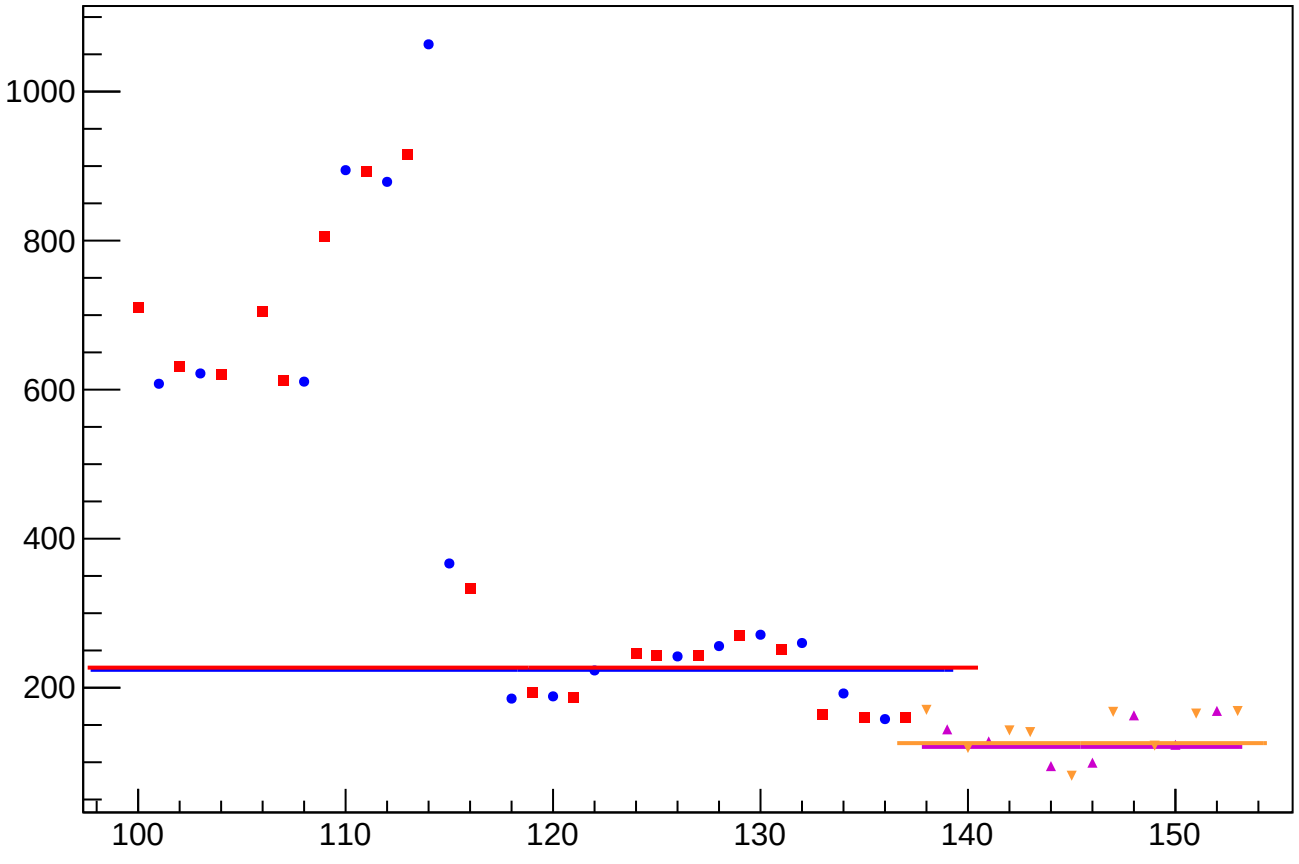
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -92.257+/-50.389 χ^2/NDF:6.5/6

+ sign -107.063+/-43.644 χ^2/NDF: 22.5/24

All: -103.001+/-31.194 χ^2/NDF: 44.7/50

- sign -98.758+/-44.603 χ^2/NDF: 22.2/25



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 125.661+/-0.035 χ^2/NDF:901757.3/8

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

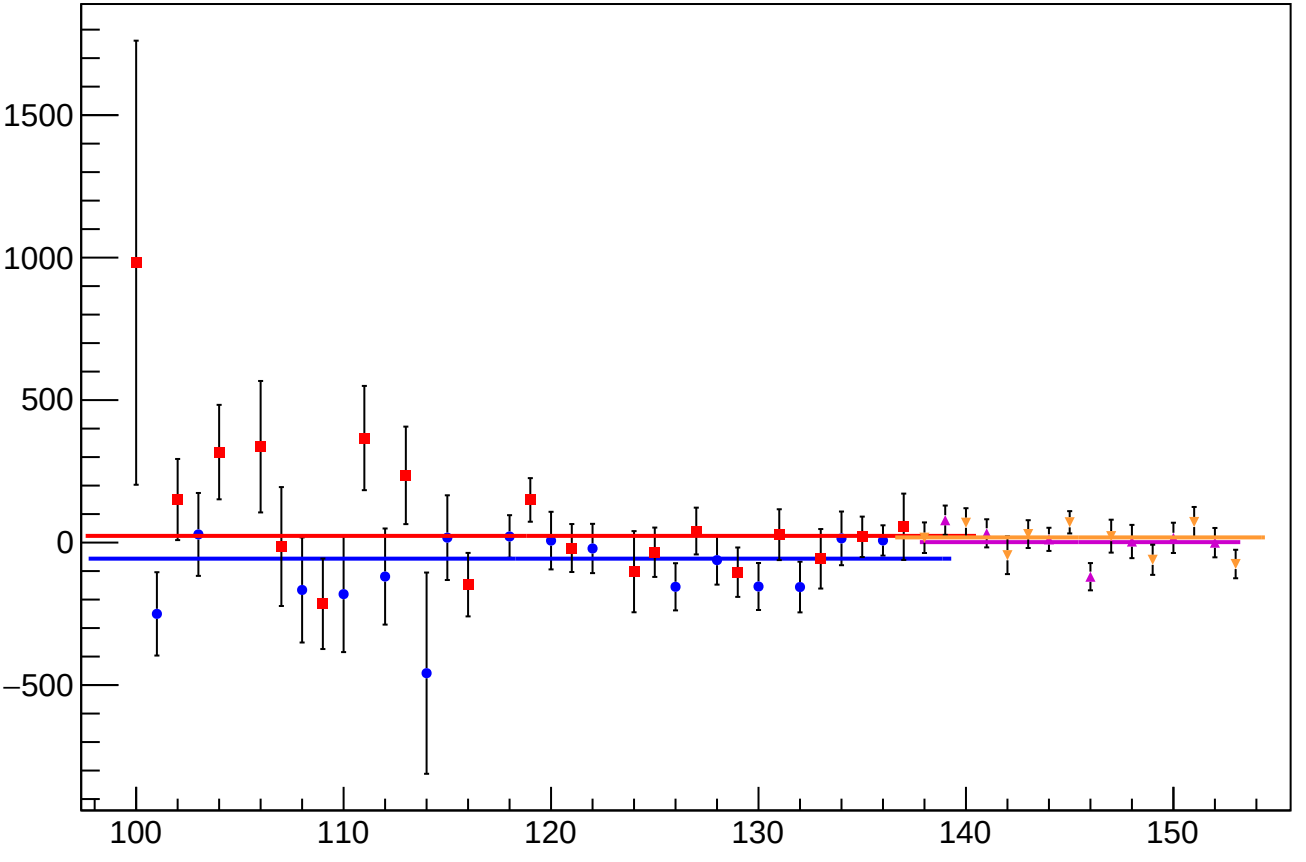
Left In: 120.616+/-0.036 χ^2/NDF:504916.8/6

+ sign 147.068+/-0.031 χ^2/NDF: 5599937.0/24

All: 145.391+/-0.022 χ^2/NDF: 11611600.9/50

- sign 143.639+/-0.032 χ^2/NDF: 6005626.2/25

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 18.163+/-17.025 χ^2/NDF:10.6/8

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

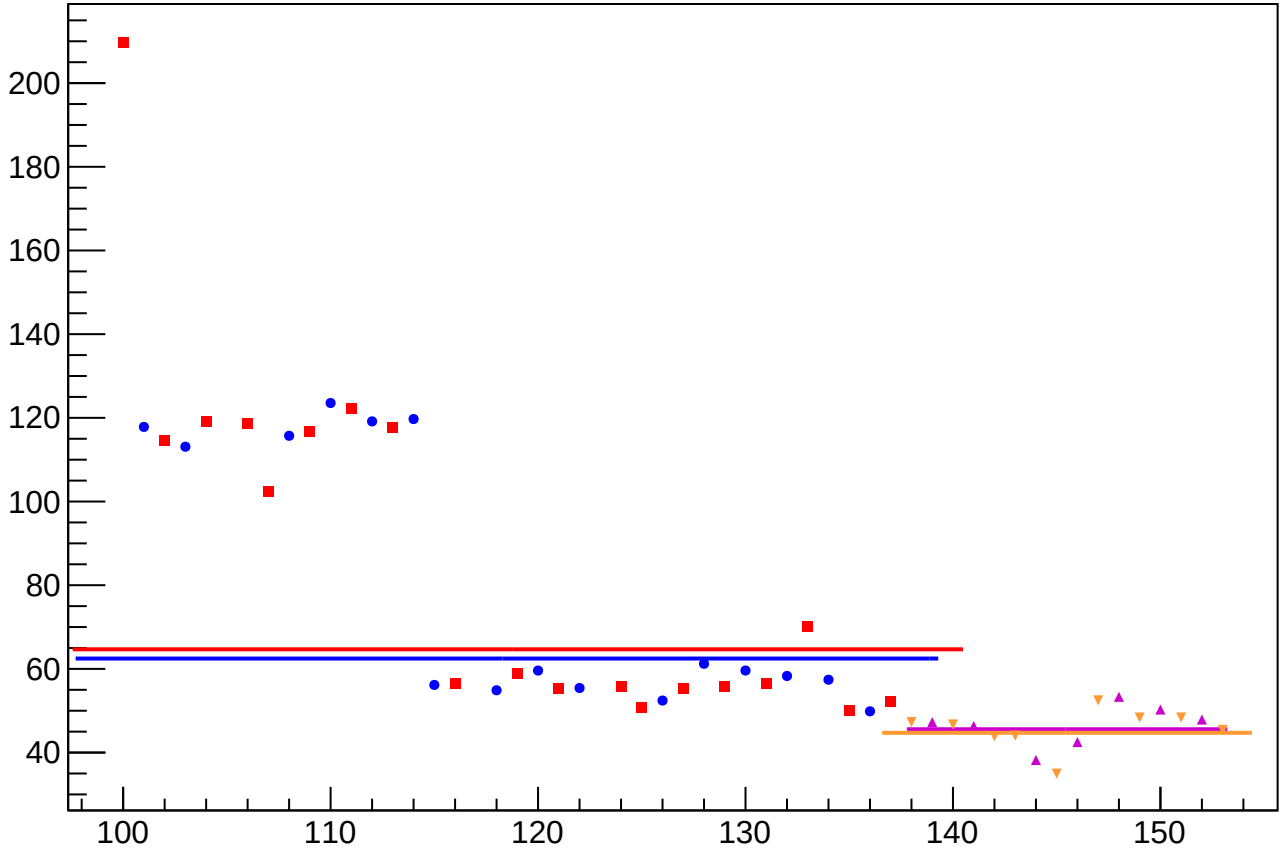
Left In: 1.567+/-18.712 χ^2/NDF:9.2/6

+ sign -6.137+/-13.979 χ^2/NDF: 29.1/24

All: 1.066+/-10.231 χ^2/NDF: 63.4/50

- sign 9.376+/-15.015 χ^2/NDF: 33.8/25

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 44.724+/-0.012 χ^2/NDF:188776.7/8

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

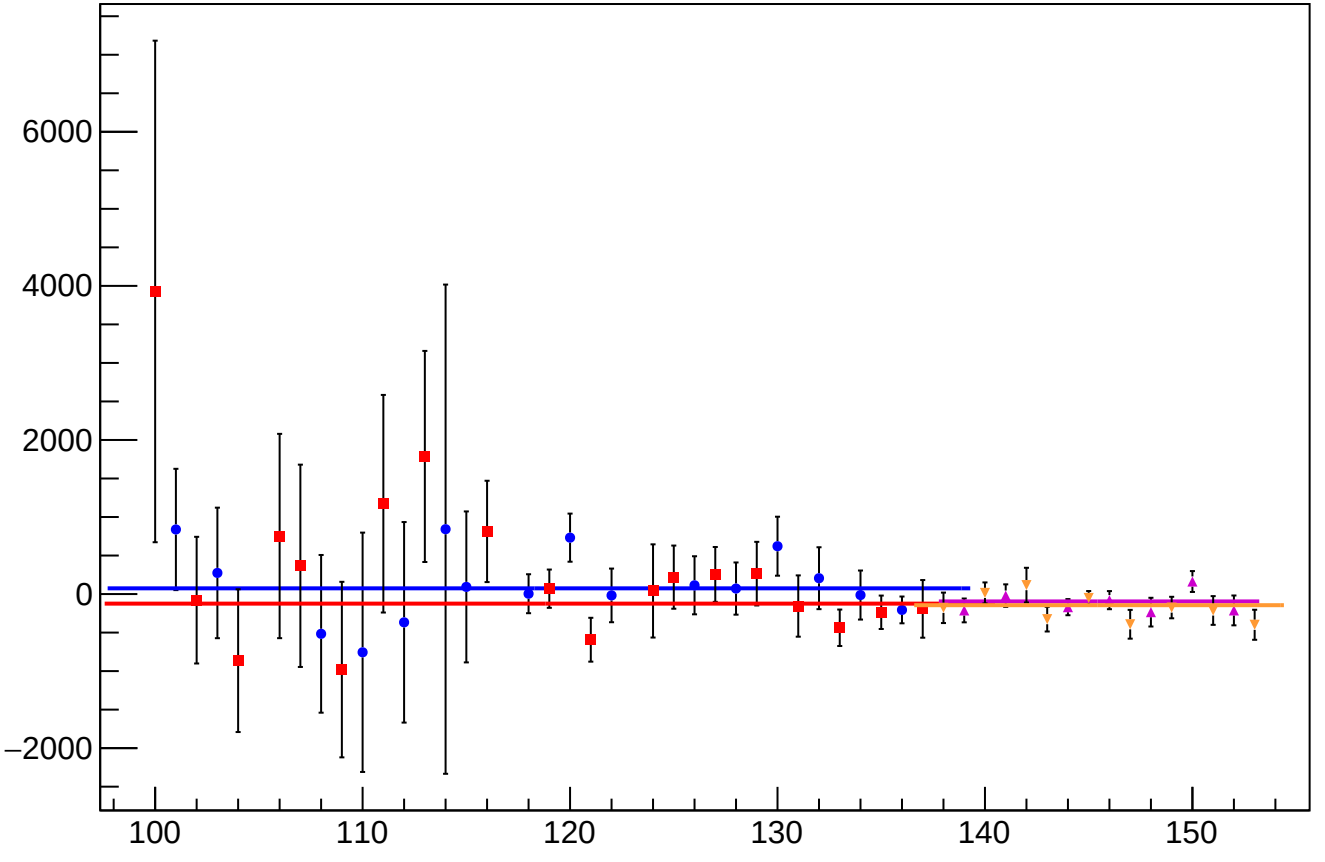
Left In: 45.575+/-0.013 χ^2/NDF:131377.7/6

+ sign 50.507+/-0.010 χ^2/NDF: 2245399.6/24

All: 51.376+/-0.007 χ^2/NDF: 4726363.0/50

- sign 52.379+/-0.011 χ^2/NDF: 2464316.3/25

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -144.533+/-50.204 χ^2/NDF:8.8/8

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

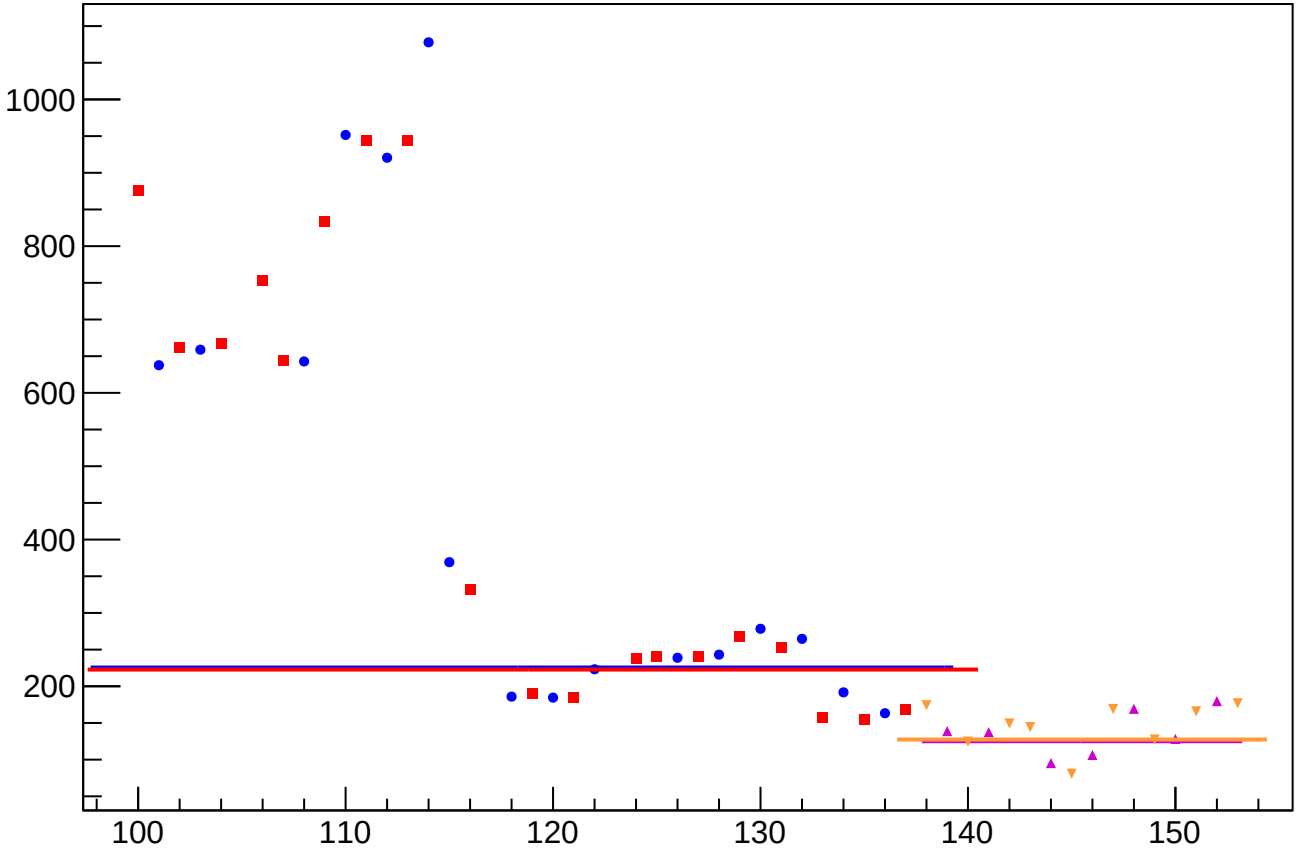
Left In: -95.603+/-52.547 χ^2/NDF:5.9/6

+ sign -96.360+/-44.335 χ^2/NDF: 24.1/24

All: -99.243+/-31.903 χ^2/NDF: 46.5/50

- sign -102.339+/-45.943 χ^2/NDF: 22.3/25

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 127.397+/-0.035 χ^2/NDF:1004537.5/8

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

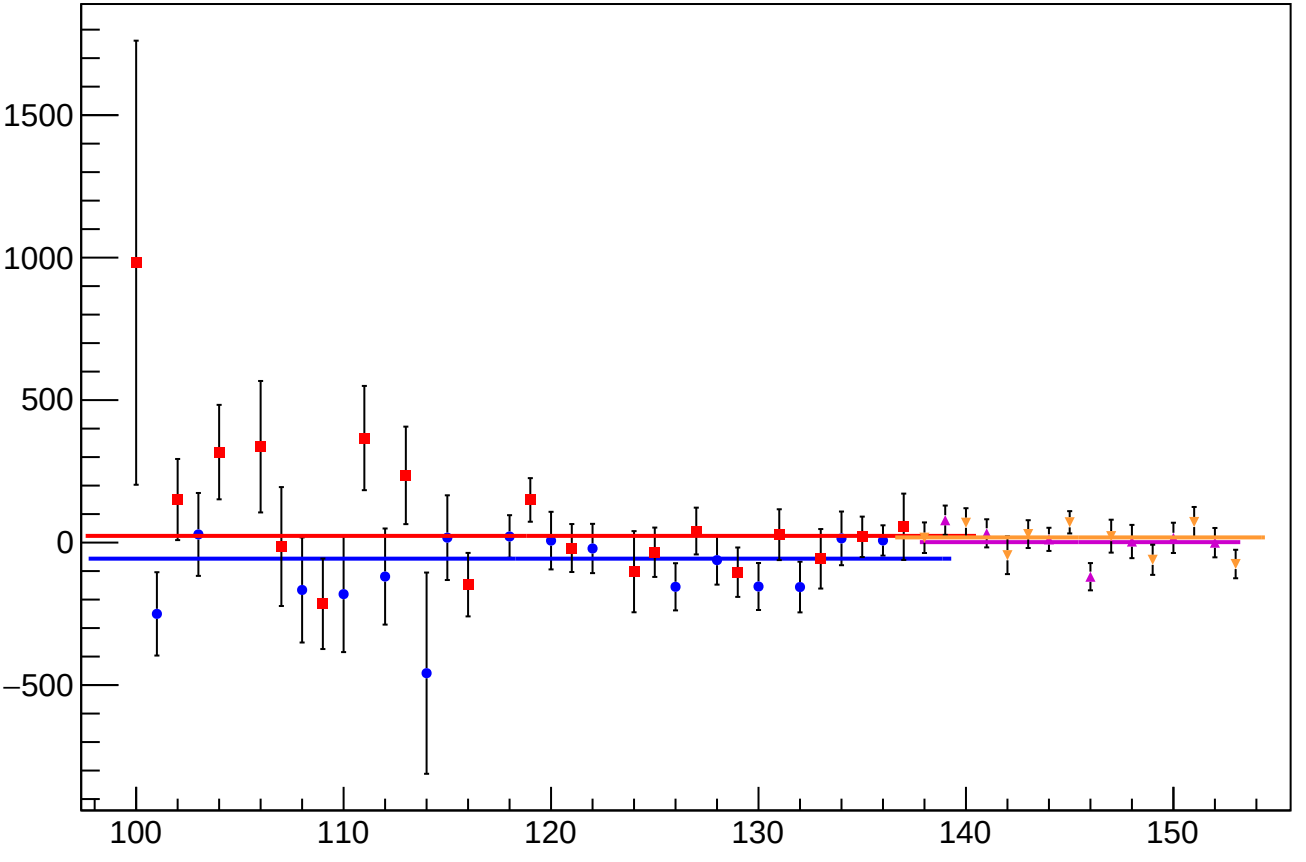
Left In: 125.051+/-0.037 χ^2/NDF:515904.8/6

+ sign 149.019+/-0.031 χ^2/NDF: 5715644.4/24

All: 148.562+/-0.023 χ^2/NDF: 11709835.0/50

- sign 148.071+/-0.032 χ^2/NDF: 5993750.1/25

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 18.164+/-17.025 χ^2/NDF:10.6/8

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

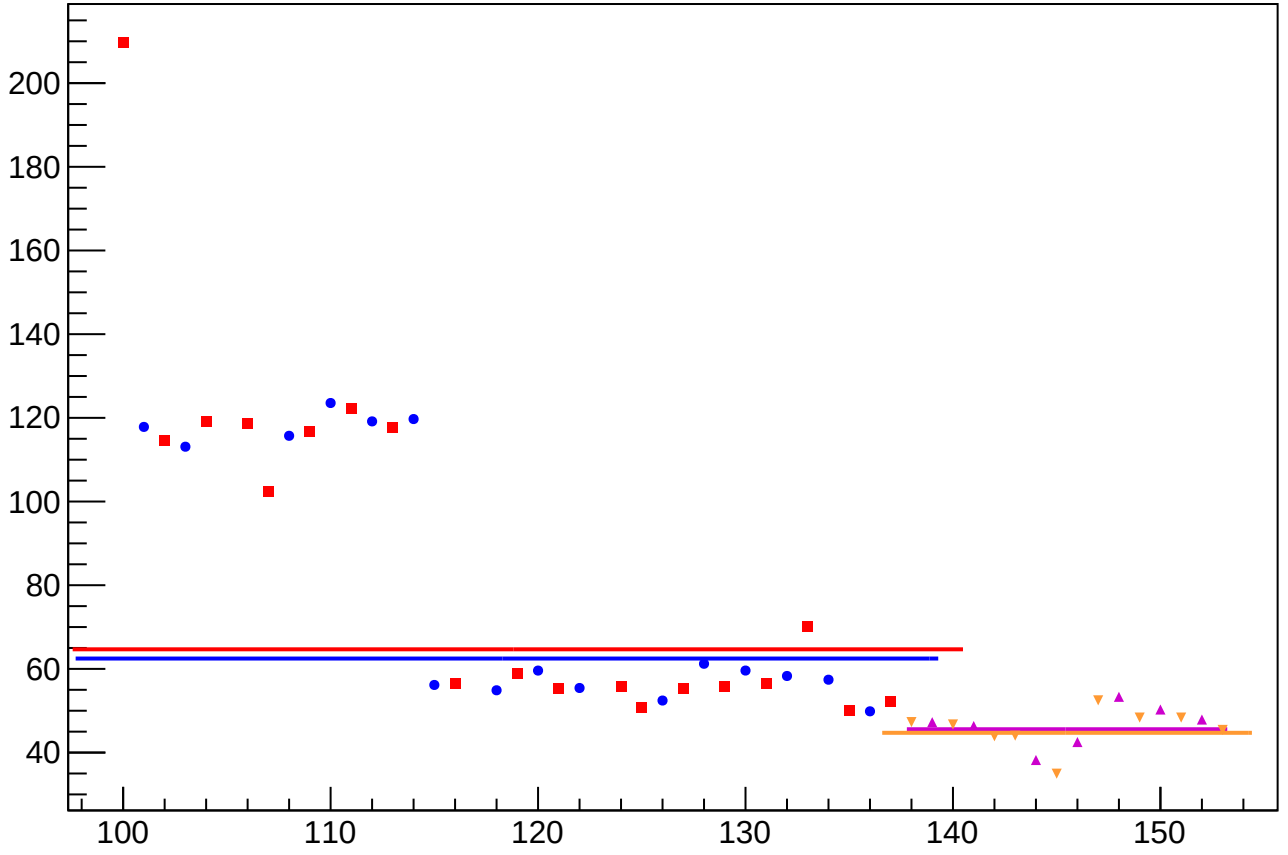
Left In: 1.566+/-18.712 χ^2/NDF:9.2/6

+ sign -6.137+/-13.979 χ^2/NDF: 29.1/24

All: 1.066+/-10.231 χ^2/NDF: 63.4/50

- sign 9.377+/-15.015 χ^2/NDF: 33.8/25

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 44.724+/-0.012 χ^2/NDF:188779.7/8

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

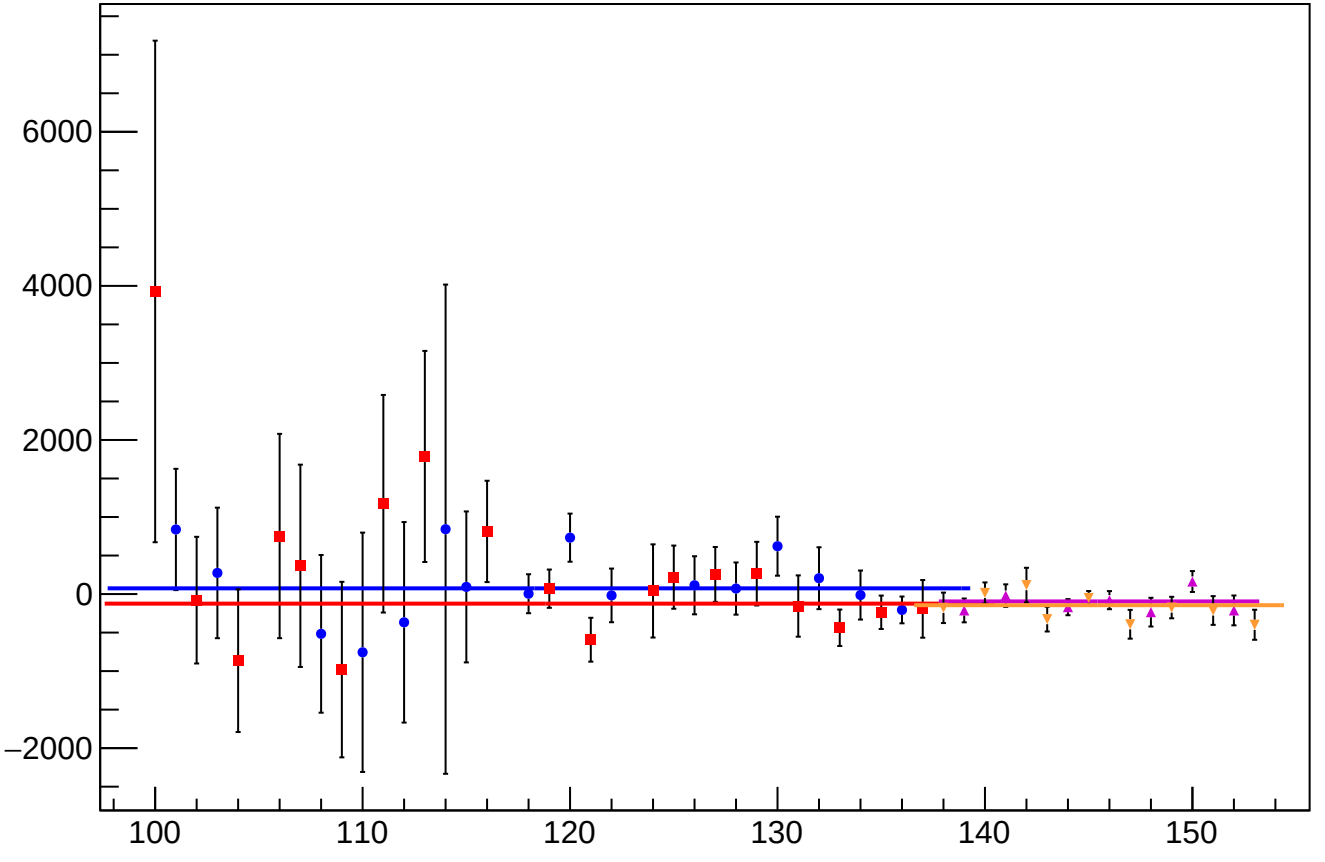
Left In: 45.575+/-0.013 χ^2/NDF:131377.7/6

+ sign 50.507+/-0.010 χ^2/NDF: 2245343.2/24

All: 51.376+/-0.007 χ^2/NDF: 4726264.4/50

- sign 52.379+/-0.011 χ^2/NDF: 2464273.6/25

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -144.533+/-50.204 χ^2/NDF:8.8/8

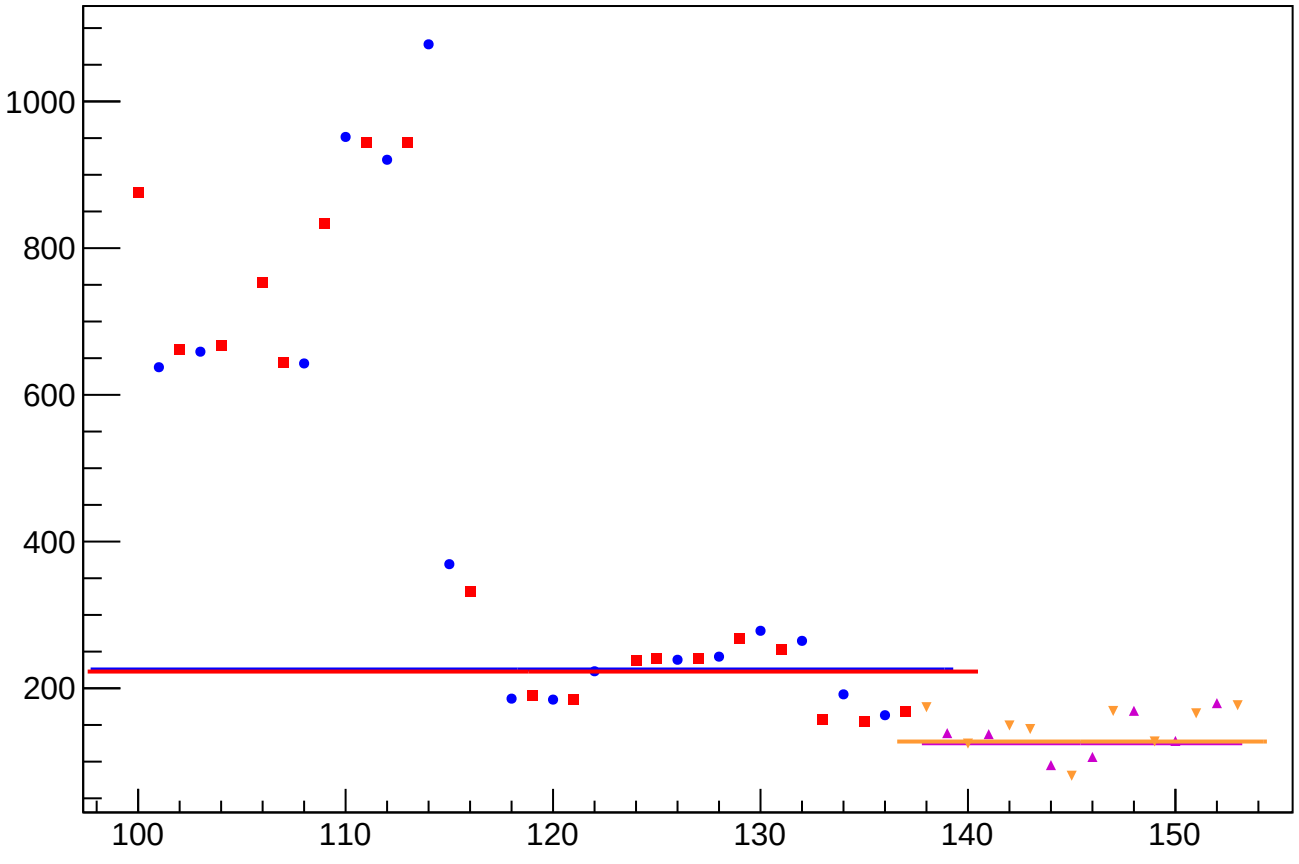
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -95.604+/-52.547 χ^2/NDF:5.9/6

+ sign -96.360+/-44.335 χ^2/NDF: 24.1/24

All: -99.243+/-31.903 χ^2/NDF: 46.5/50

- sign -102.339+/-45.944 χ^2/NDF: 22.3/25



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 127.398+/-0.035 χ^2/NDF:1004539.2/8

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

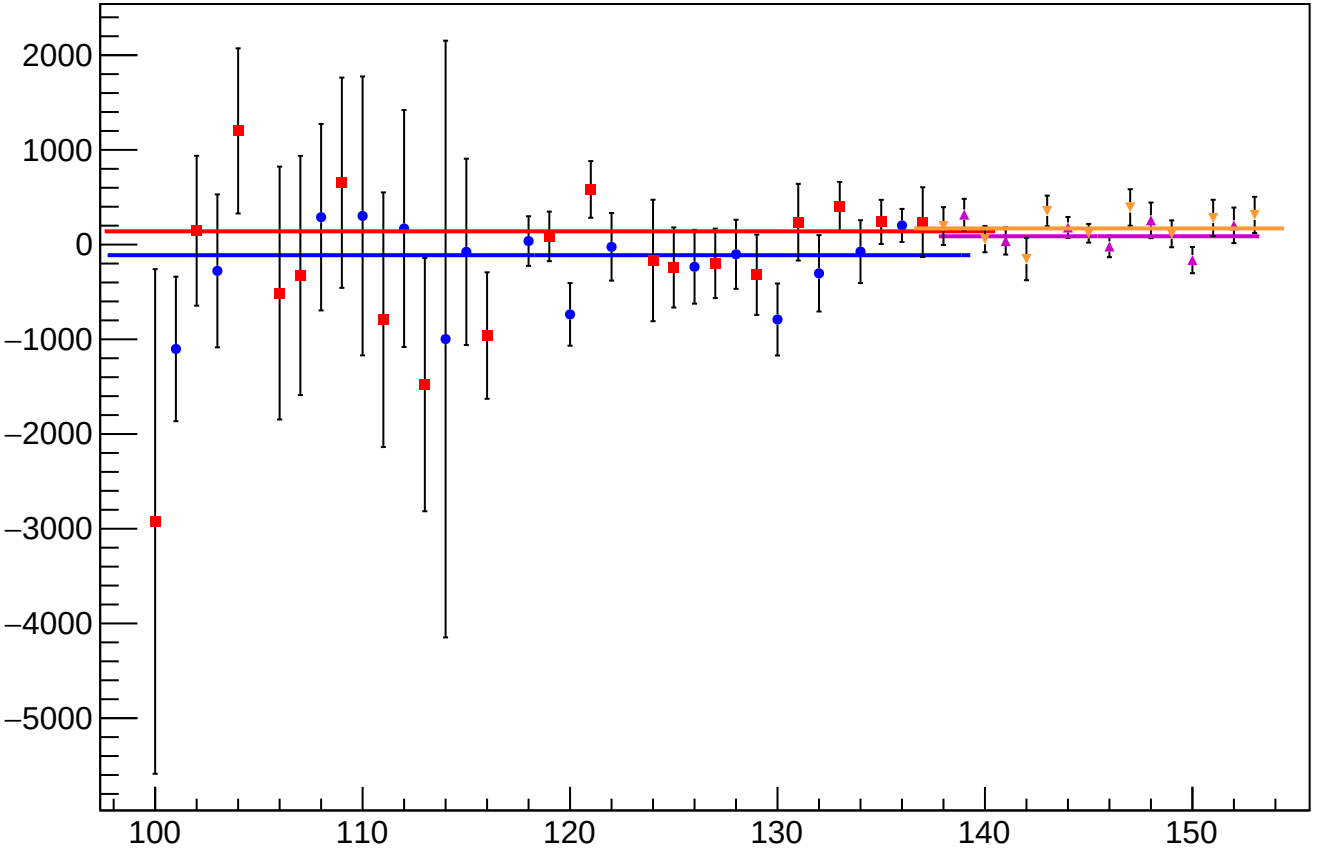
Left In: 125.051+/-0.037 χ^2/NDF:515911.0/6

+ sign 149.019+/-0.031 χ^2/NDF: 5715614.5/24

All: 148.562+/-0.023 χ^2/NDF: 11709793.6/50

- sign 148.072+/-0.032 χ^2/NDF: 5993738.5/25

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 170.801+/-52.073 χ^2/NDF:6.7/8

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

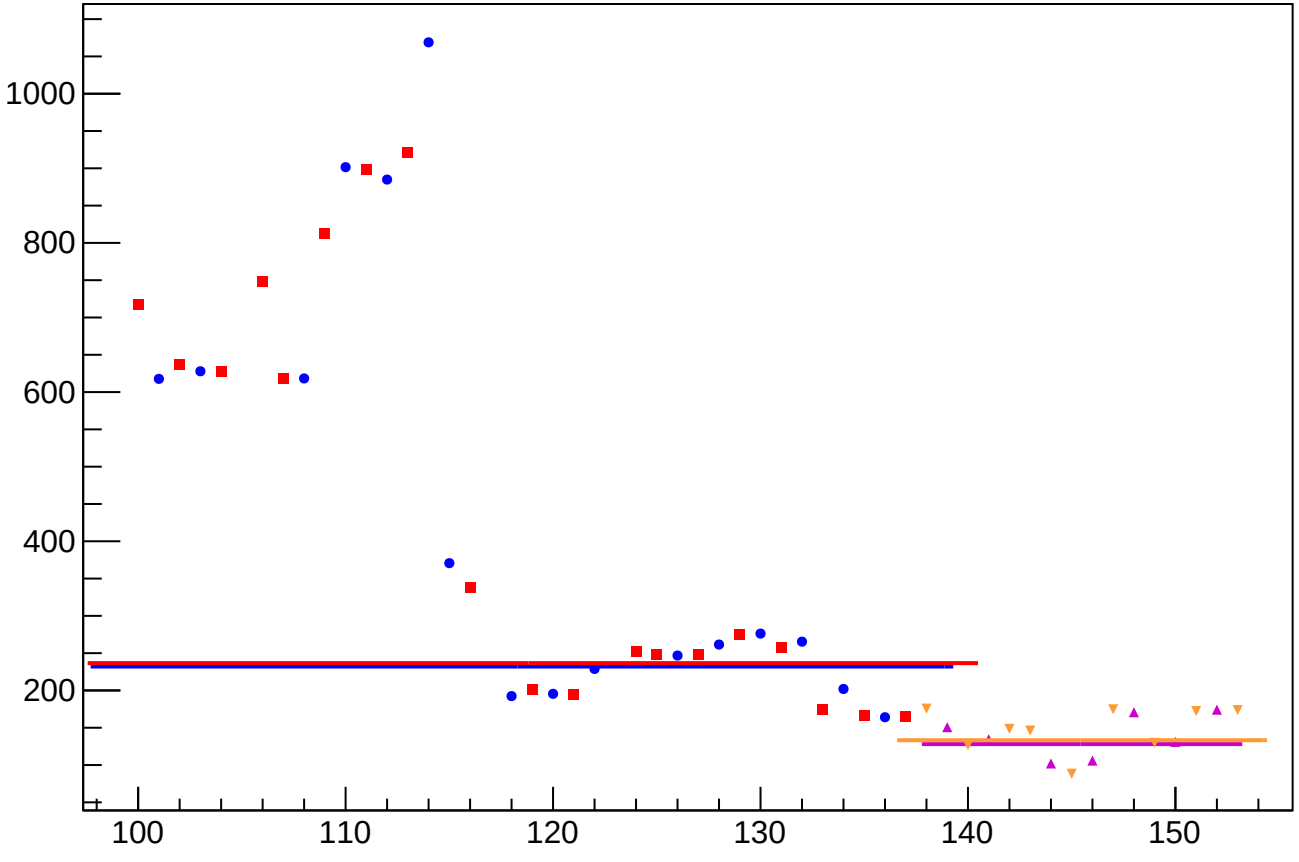
Left In: 87.847+/-53.310 χ^2/NDF:8.1/6

+ sign 107.096+/-45.832 χ^2/NDF: 26.2/24

All: 103.406+/-32.798 χ^2/NDF: 49.1/50

- sign 99.533+/-46.956 χ^2/NDF: 22.9/25

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 133.265+/-0.037 χ^2/NDF:796398.5/8

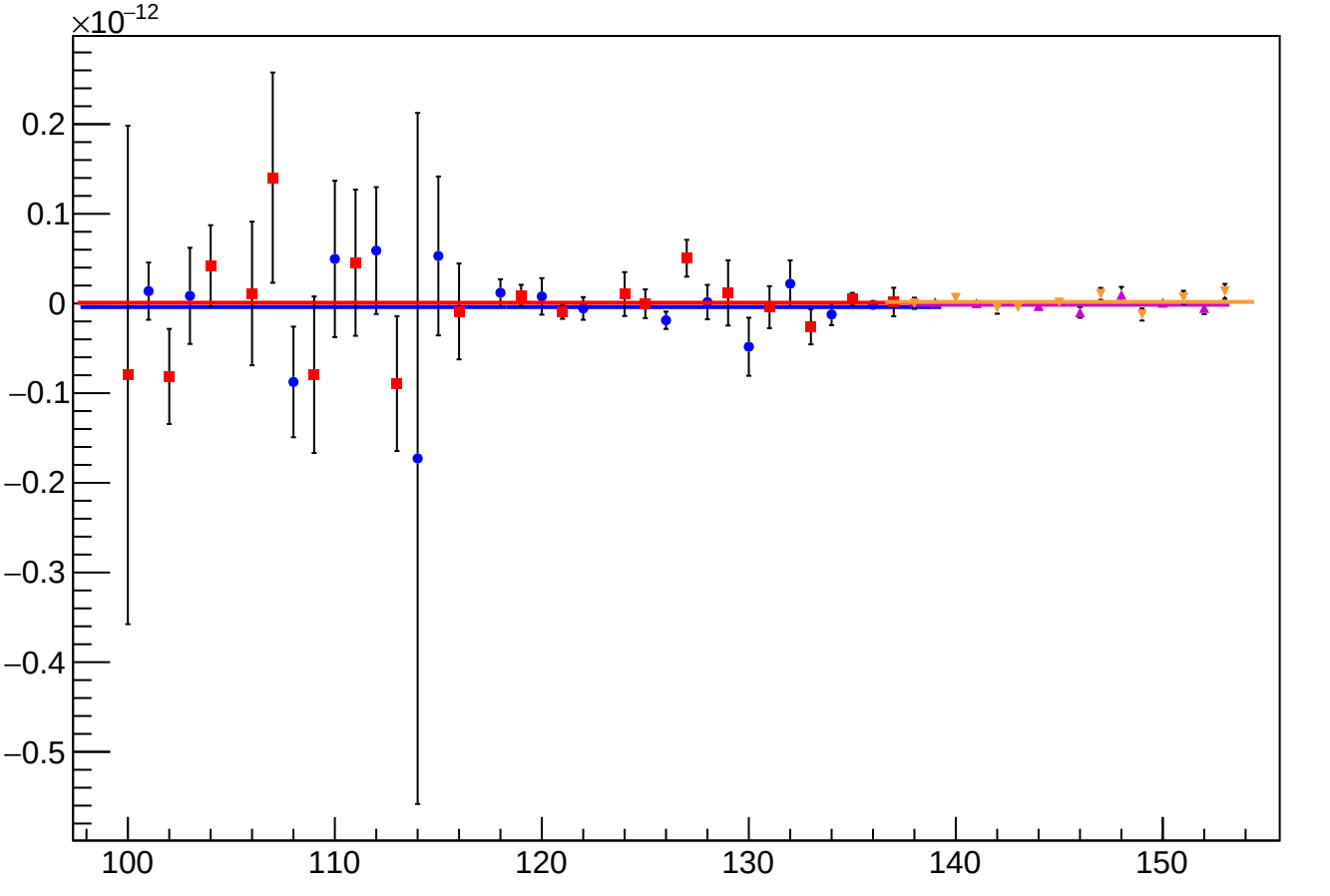
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 128.093+/-0.038 χ^2/NDF:451181.1/6

+ sign 155.537+/-0.032 χ^2/NDF: 5305659.5/24

All: 154.020+/-0.023 χ^2/NDF: 11141412.0/50

- sign 152.428+/-0.033 χ^2/NDF: 5831262.2/25



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/8

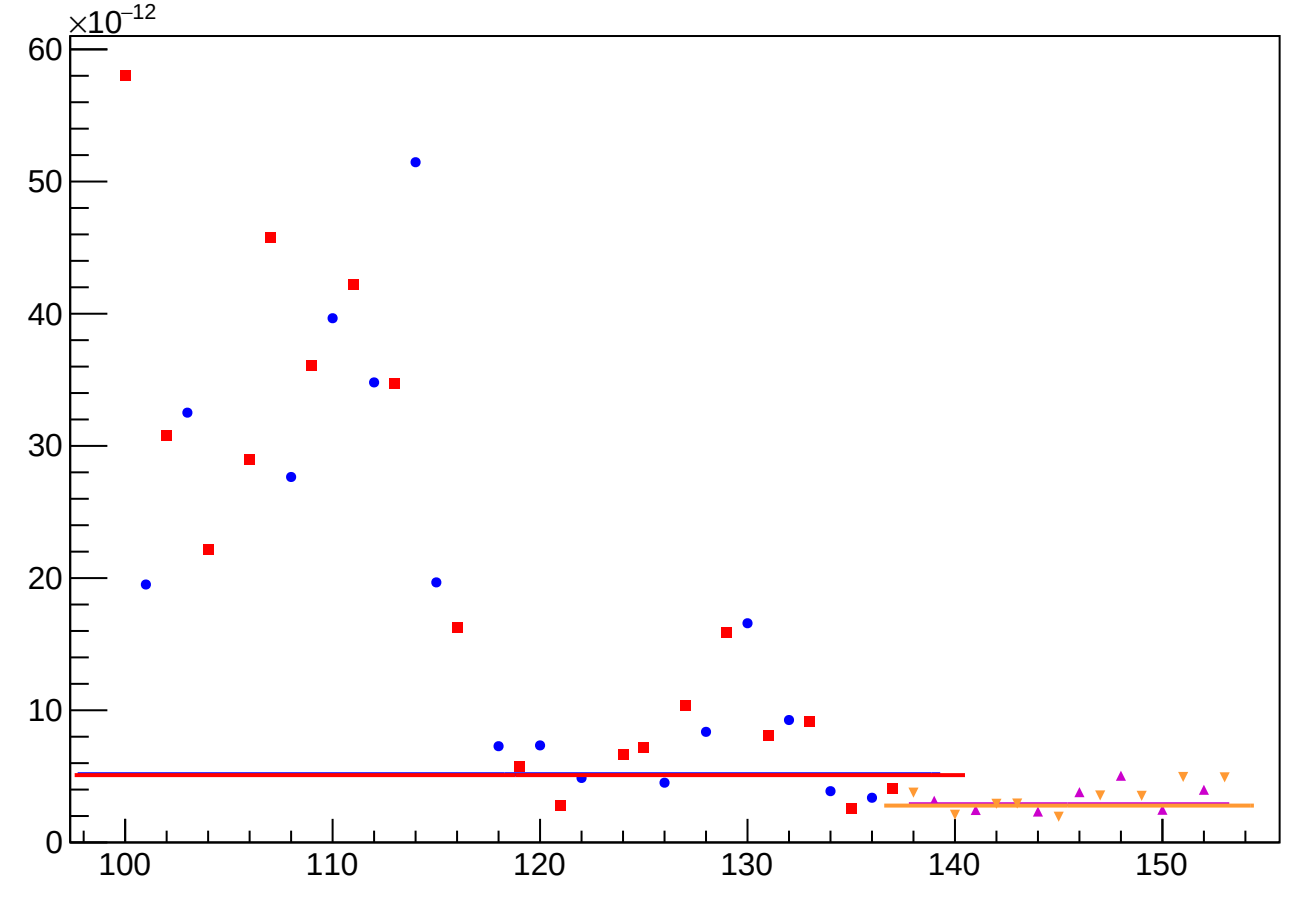
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/6

+ sign 0.000+/-0.000 χ^2/NDF: 26.3/24

All: -0.000+/-0.000 χ^2/NDF: 50.0/50

- sign -0.000+/-0.000 χ^2/NDF: 23.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:626571.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

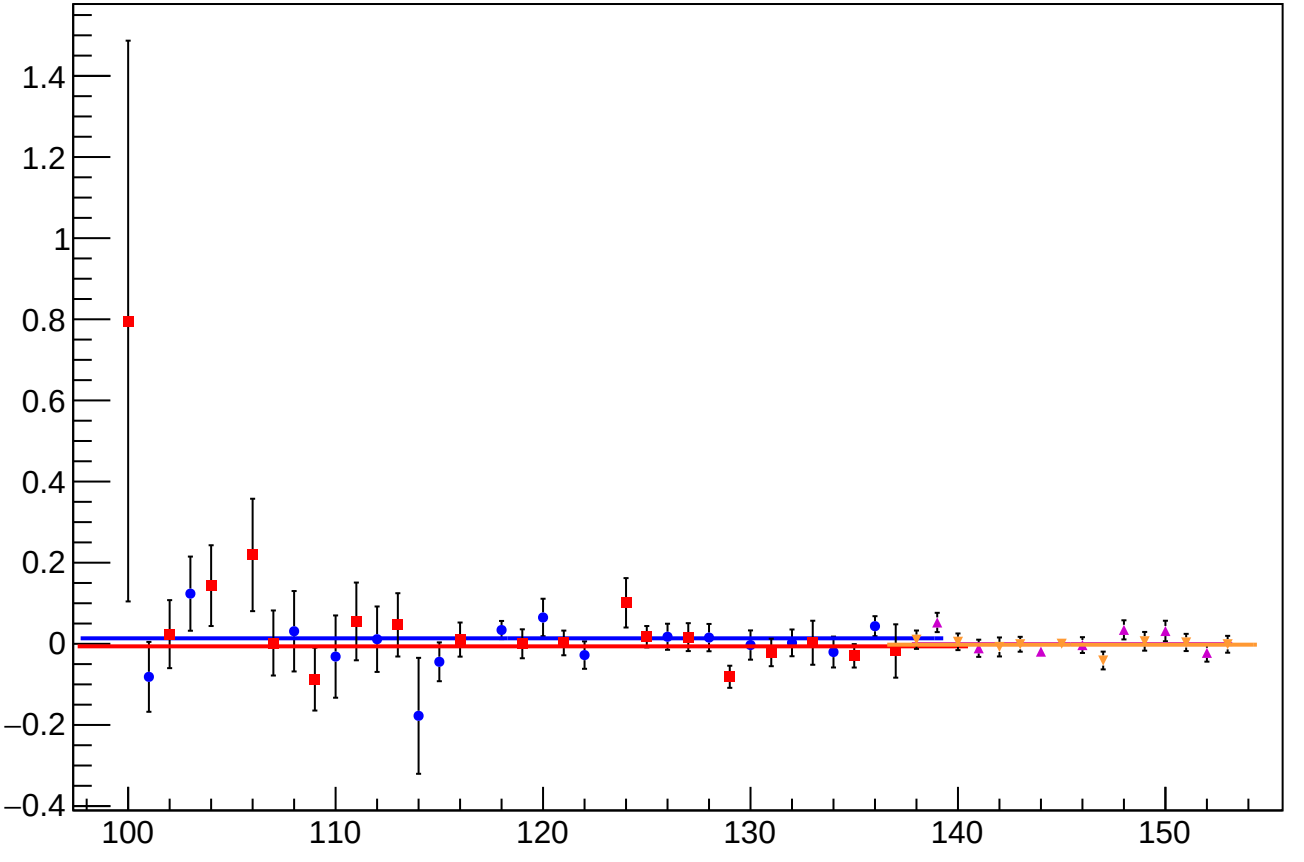
Left In: 0.000+/-0.000 χ^2/NDF:310154.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 3933169.3/24

All: 0.000+/-0.000 χ^2/NDF: 7988571.9/50

- sign 0.000+/-0.000 χ^2/NDF: 4052320.6/25

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:3.9/8

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

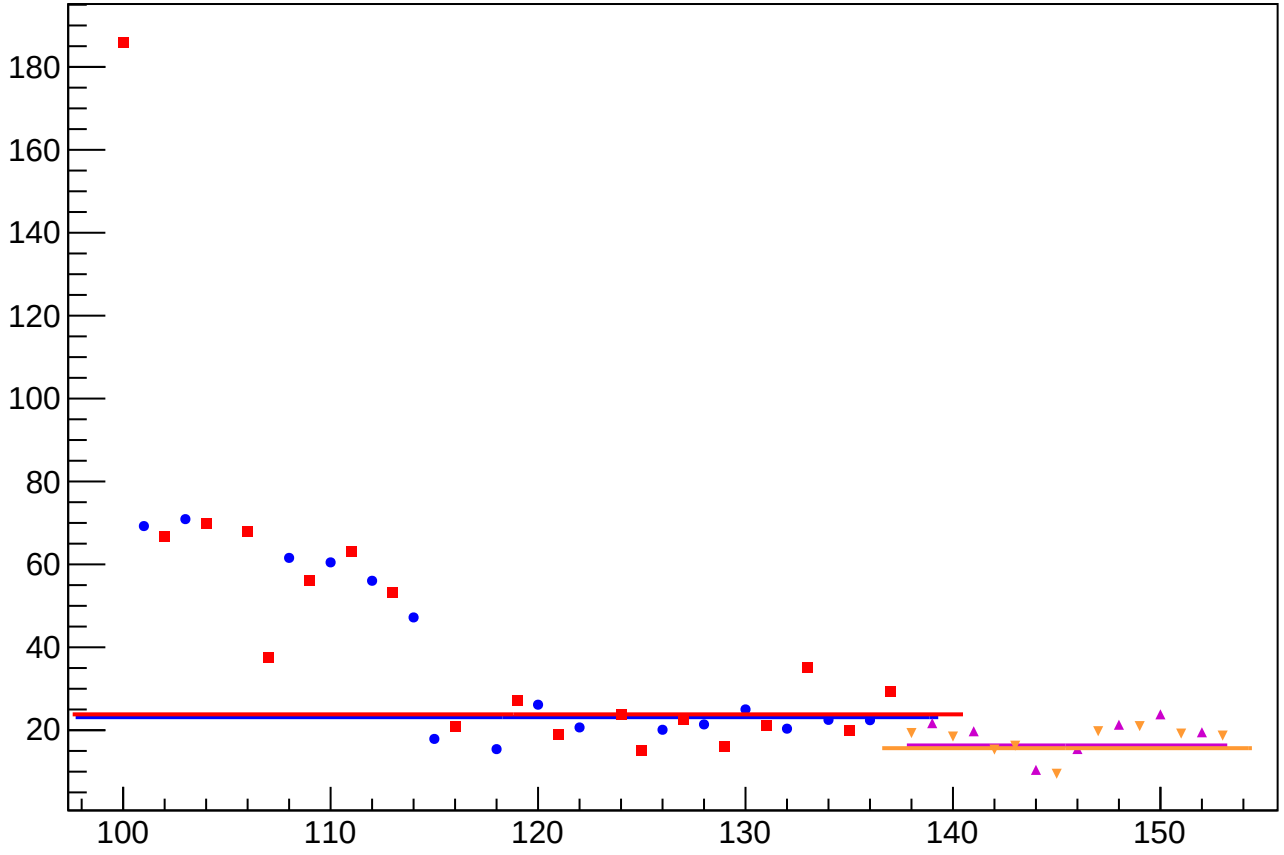
Left In: -0.001+/-0.007 χ^2/NDF:12.6/6

+ sign 0.002+/-0.005 χ^2/NDF: 18.0/24

All: 0.000+/-0.004 χ^2/NDF: 52.7/50

- sign -0.003+/-0.006 χ^2/NDF: 34.2/25

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.665+/-0.004 χ^2/NDF:962180.1/8

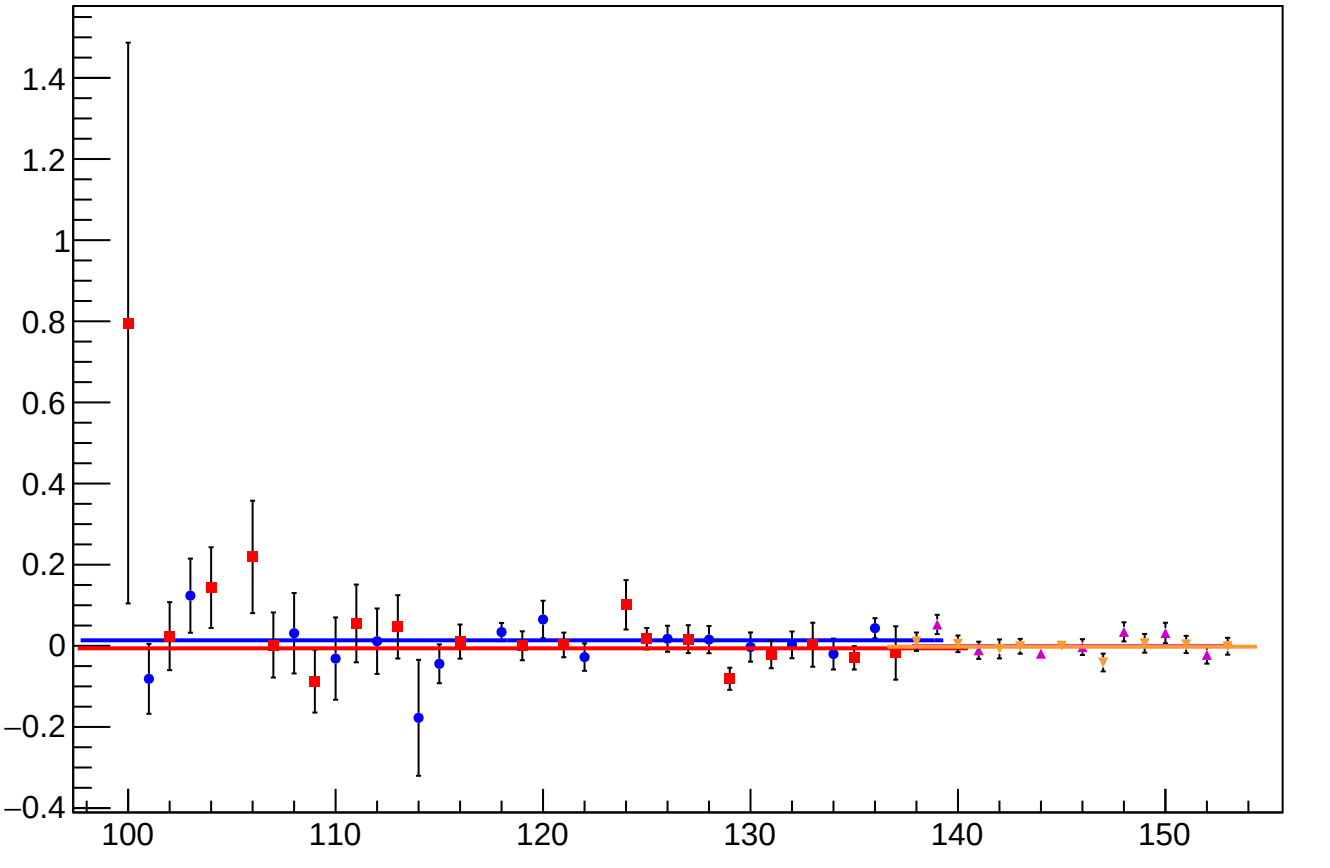
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.322+/-0.005 χ^2/NDF:966111.9/6

+ sign 17.822+/-0.004 χ^2/NDF: 4189993.4/24

All: 18.288+/-0.003 χ^2/NDF: 8824695.4/50

- sign 18.860+/-0.004 χ^2/NDF: 4600055.9/25



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:3.9/8

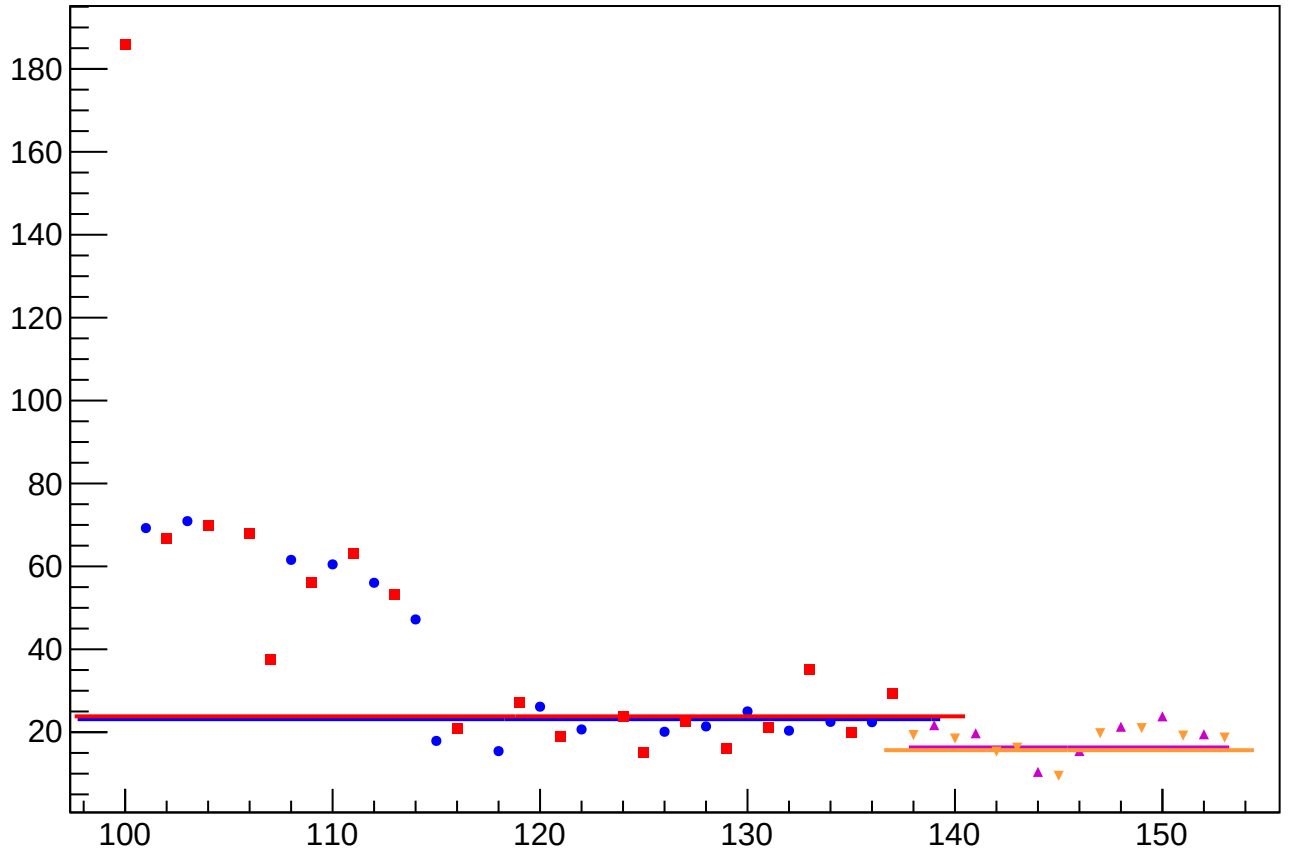
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.007 χ^2/NDF:12.6/6

+ sign 0.002+/-0.005 χ^2/NDF: 18.0/24

All: 0.000+/-0.004 χ^2/NDF: 52.7/50

- sign -0.003+/-0.006 χ^2/NDF: 34.2/25



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.665+/-0.004 χ^2/NDF:962180.1/8

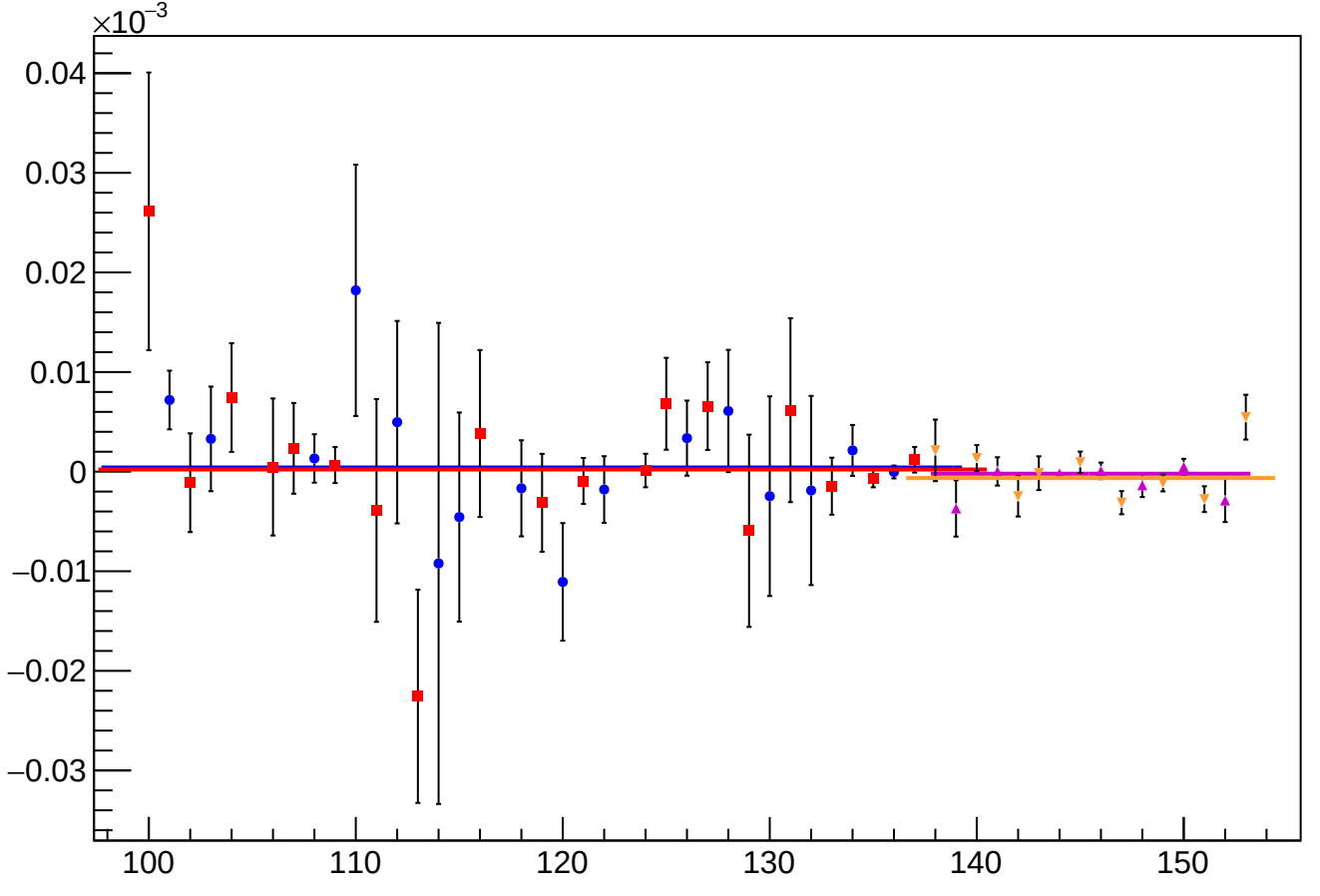
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.322+/-0.005 χ^2/NDF:966111.9/6

+ sign 17.822+/-0.004 χ^2/NDF: 4189993.4/24

All: 18.288+/-0.003 χ^2/NDF: 8824695.4/50

- sign 18.860+/-0.004 χ^2/NDF: 4600055.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/8

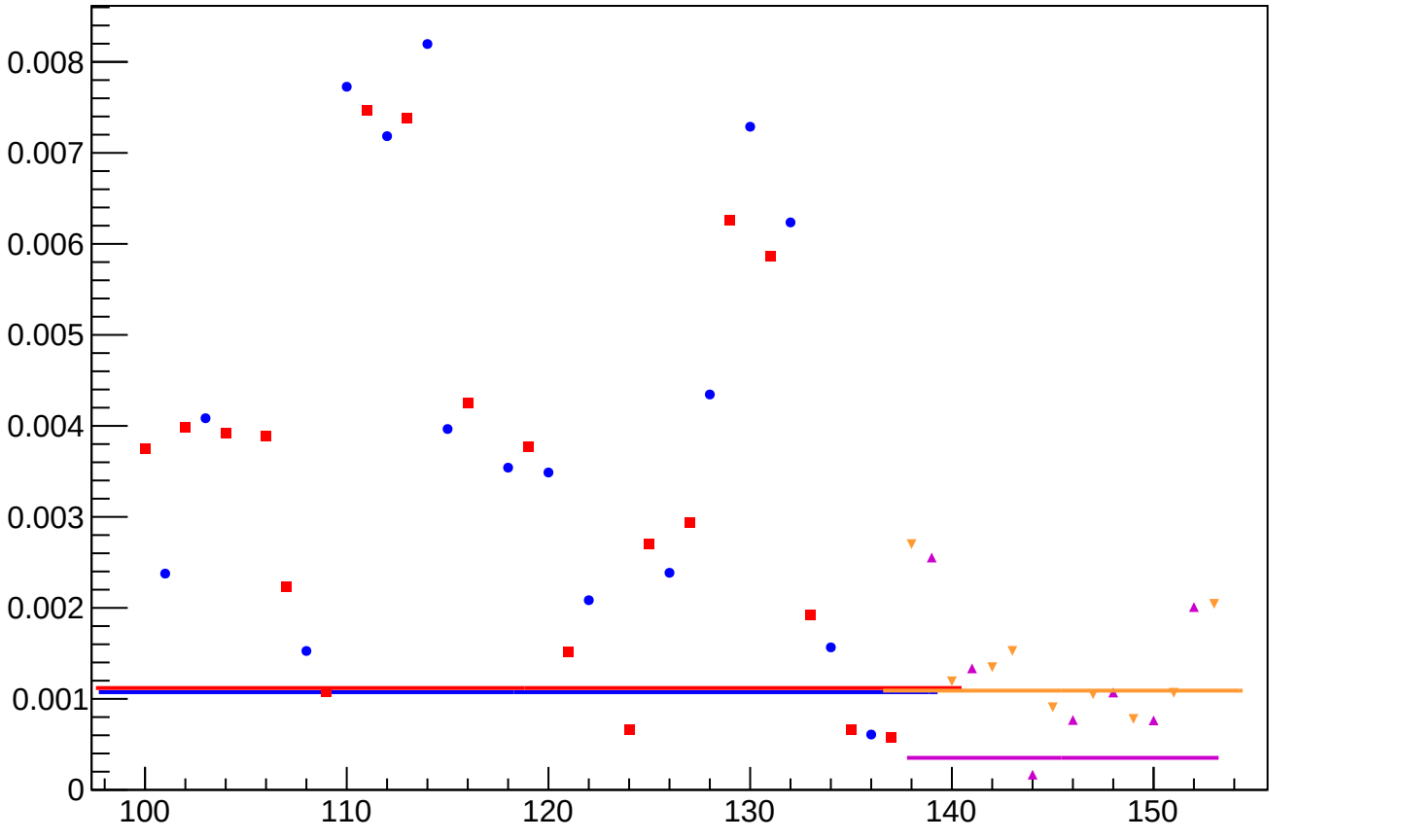
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/6

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/24

All: -0.000+/-0.000 χ^2/NDF: 61.9/50

- sign -0.000+/-0.000 χ^2/NDF: 23.3/25



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:1406918.6/8

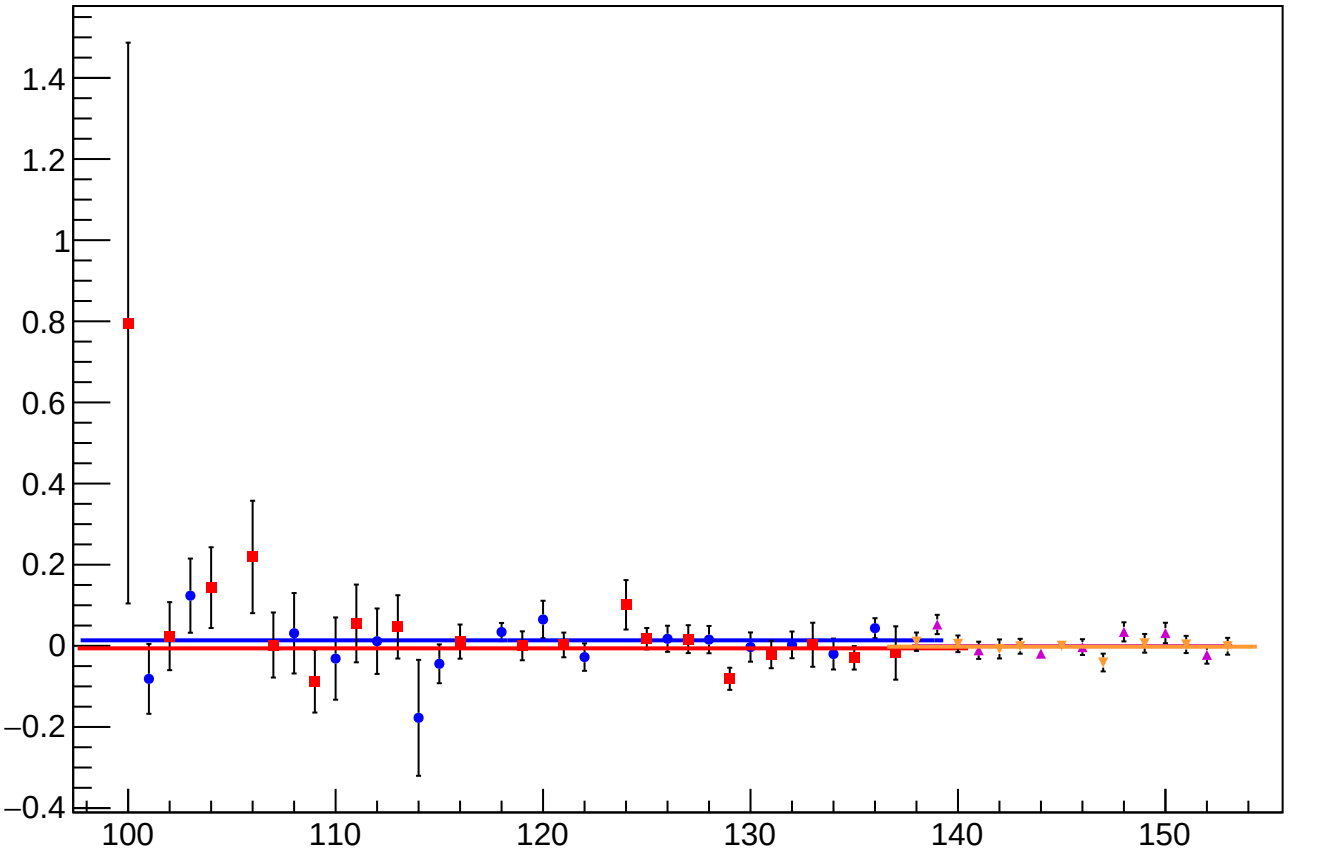
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6162327.7/6

+ sign 0.001+/-0.000 χ^2/NDF: 8453350.7/24

All: 0.001+/-0.000 χ^2/NDF: 29380256.1/50

- sign 0.000+/-0.000 χ^2/NDF: 16115004.8/25



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:3.9/8

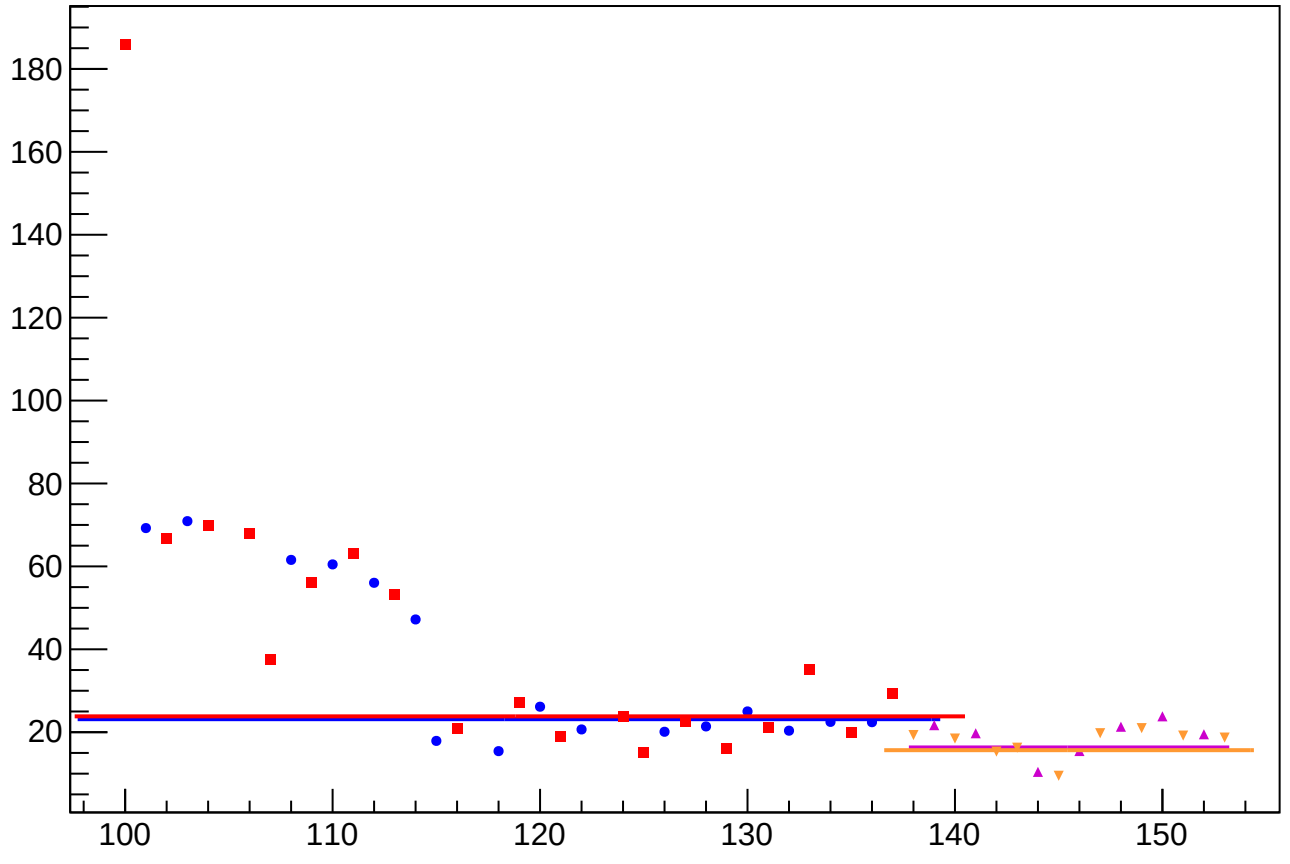
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.007 χ^2/NDF:12.6/6

+ sign 0.002+/-0.005 χ^2/NDF: 18.0/24

All: 0.000+/-0.004 χ^2/NDF: 52.7/50

- sign -0.003+/-0.006 χ^2/NDF: 34.2/25



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.665+/-0.004 χ^2/NDF:962262.2/8

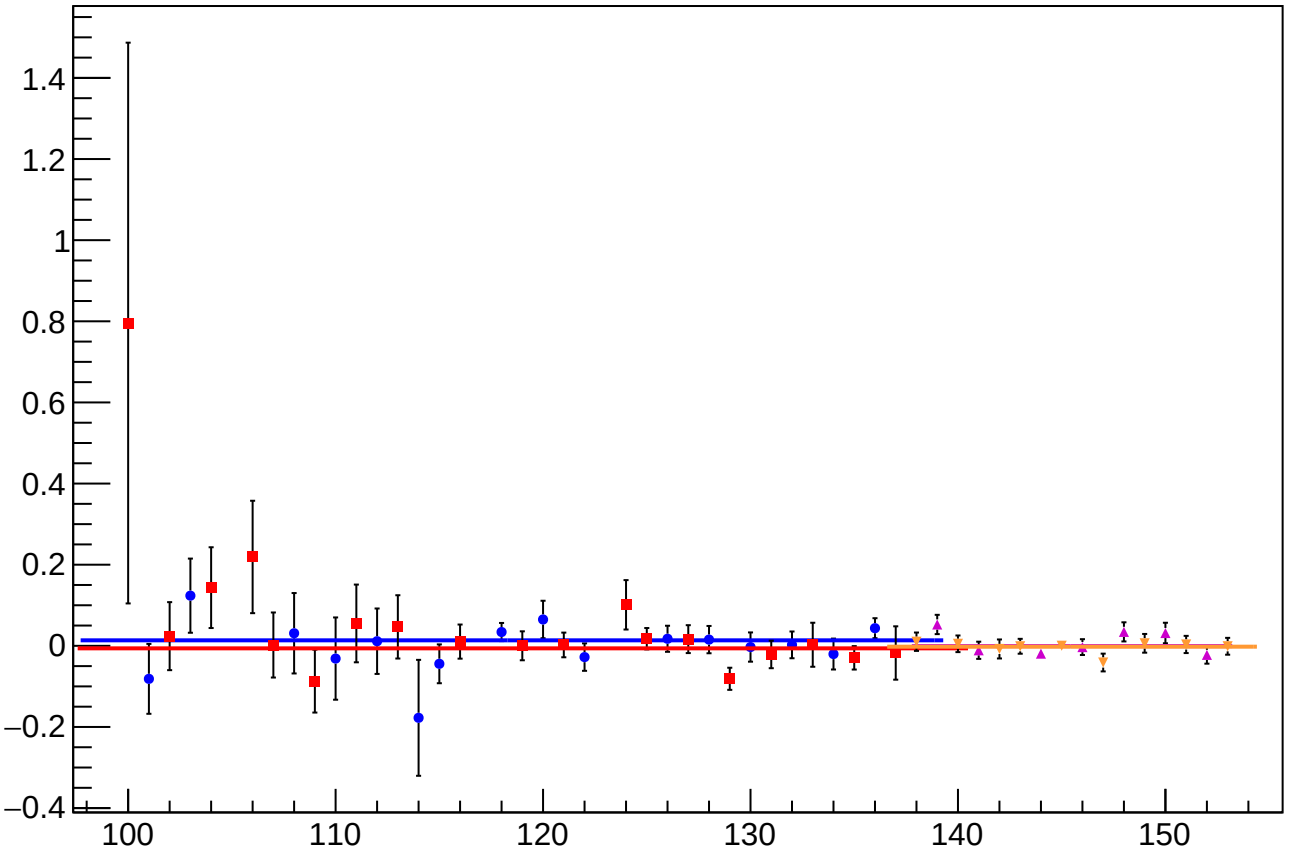
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 16.322+/-0.005 χ^2/NDF:966076.0/6

+ sign 17.822+/-0.004 χ^2/NDF: 4189857.2/24

All: 18.288+/-0.003 χ^2/NDF: 8824358.8/50

- sign 18.860+/-0.004 χ^2/NDF: 4599845.5/25



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:3.9/8

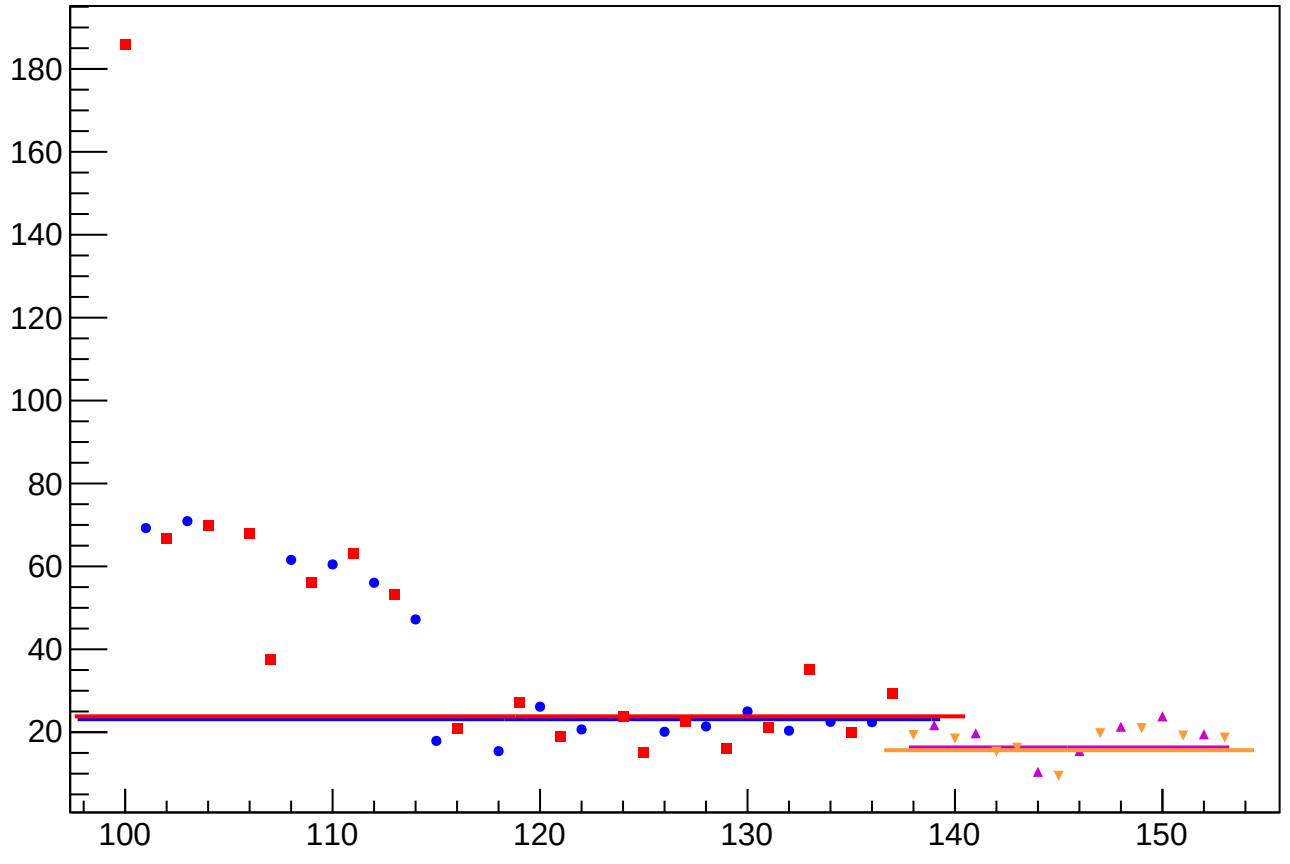
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.007 χ^2/NDF:12.6/6

+ sign 0.002+/-0.005 χ^2/NDF: 18.0/24

All: 0.000+/-0.004 χ^2/NDF: 52.7/50

- sign -0.003+/-0.006 χ^2/NDF: 34.2/25



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.665+/-0.004 χ^2/NDF:962262.2/8

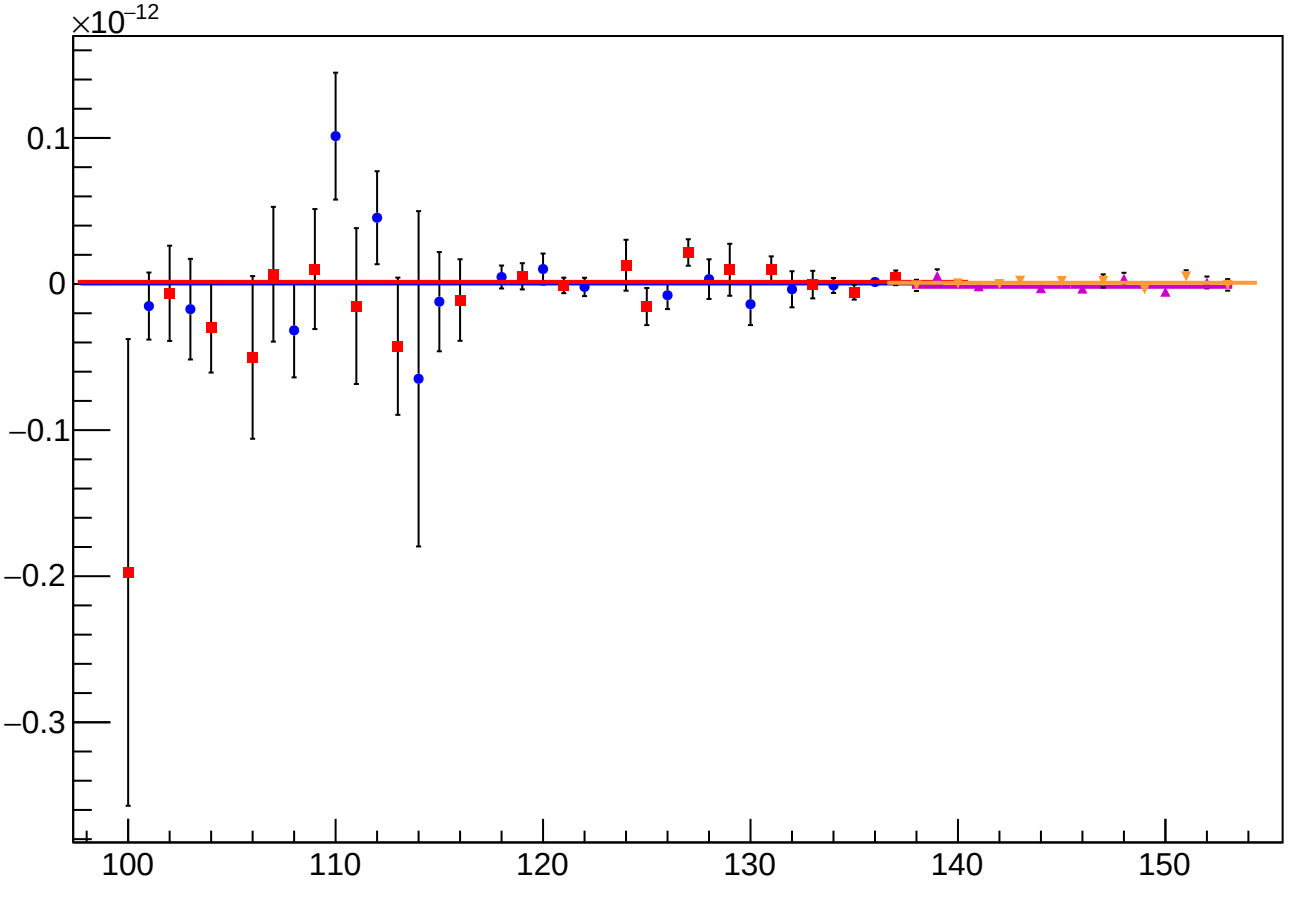
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 16.322+/-0.005 χ^2/NDF:966076.0/6

+ sign 17.822+/-0.004 χ^2/NDF: 4189857.2/24

All: 18.288+/-0.003 χ^2/NDF: 8824358.8/50

- sign 18.860+/-0.004 χ^2/NDF: 4599845.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/8

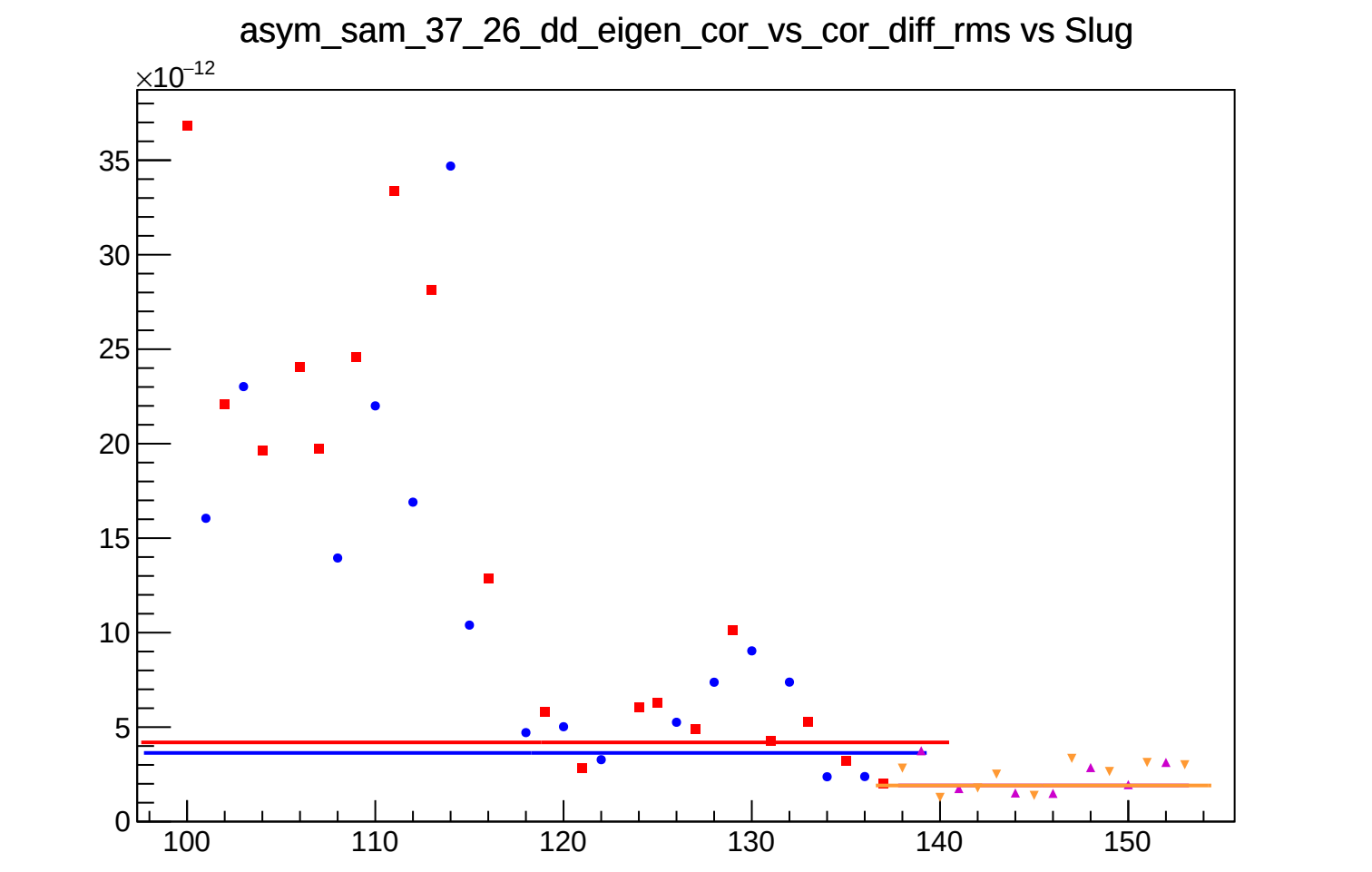
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/6

+ sign 0.000+/-0.000 χ^2/NDF: 17.0/24

All: -0.000+/-0.000 χ^2/NDF: 44.5/50

- sign -0.000+/-0.000 χ^2/NDF: 24.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1248073.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

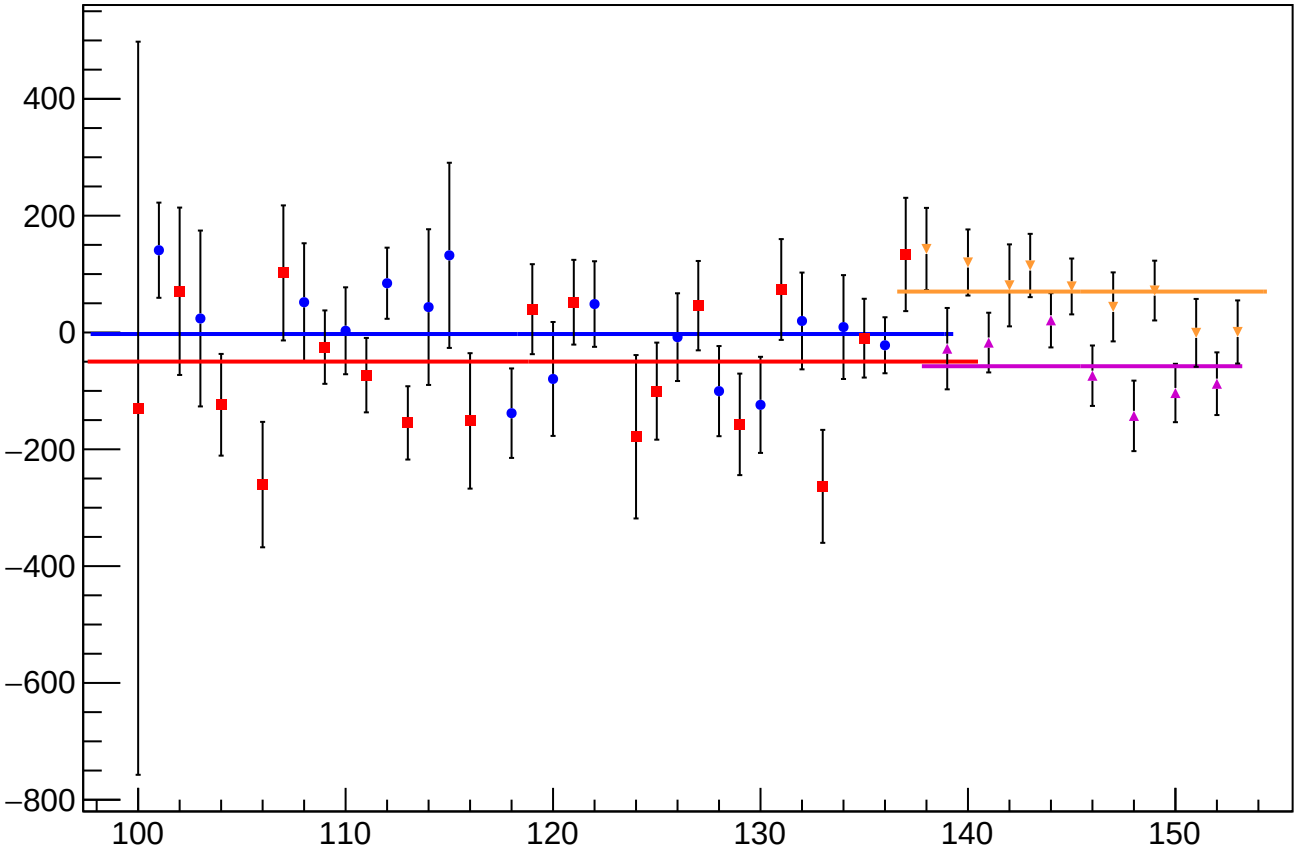
Left In: 0.000+/-0.000 χ^2/NDF:791253.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 6006348.0/24

All: 0.000+/-0.000 χ^2/NDF: 12840299.8/50

- sign 0.000+/-0.000 χ^2/NDF: 6829485.5/25

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 70.046+/-18.890 χ^2/NDF:5.9/8

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

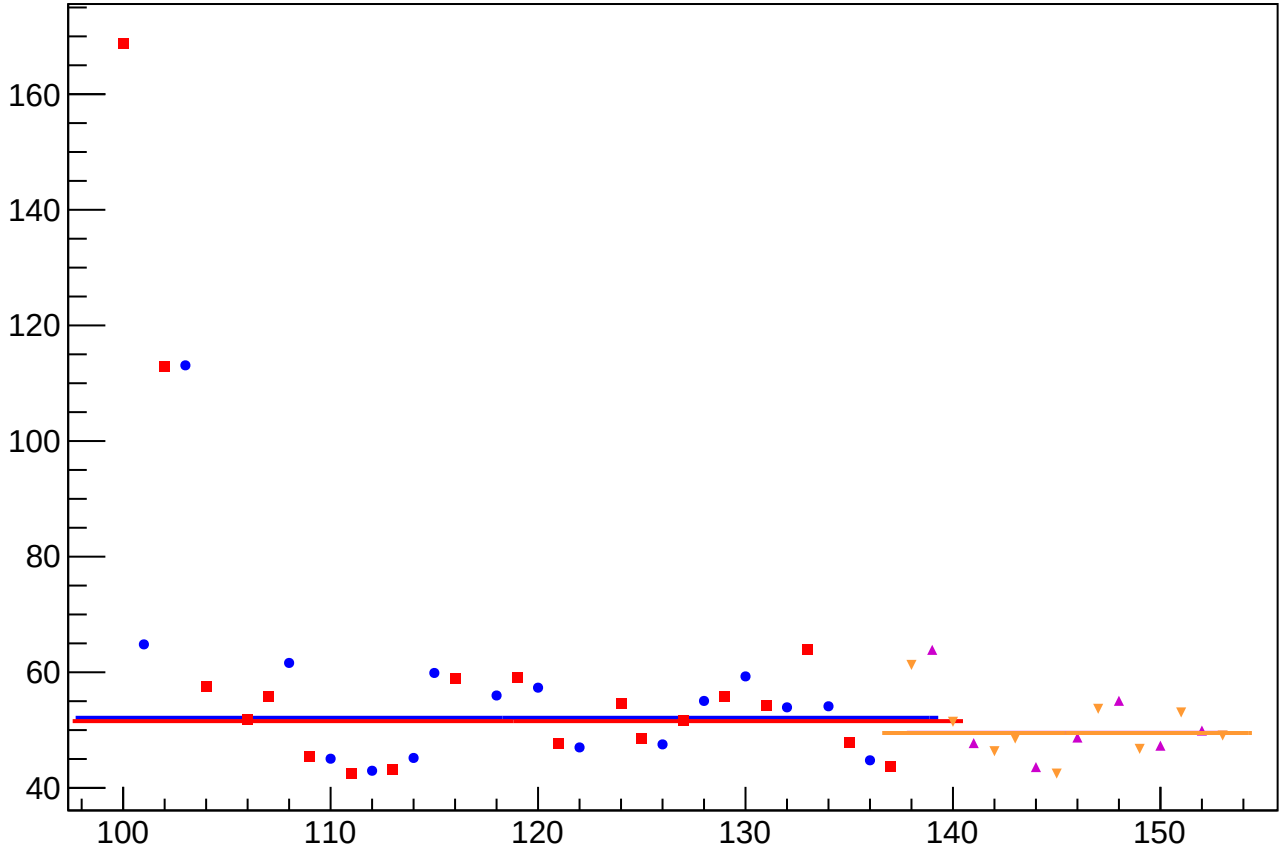
Left In: -57.754+/-20.210 χ^2/NDF:6.9/6

+ sign 35.779+/-13.731 χ^2/NDF: 27.5/24

All: -7.828+/-9.830 χ^2/NDF: 84.5/50

- sign -53.665+/-14.078 χ^2/NDF: 36.3/25

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.496+/-0.013 χ^2/NDF:129565.3/8

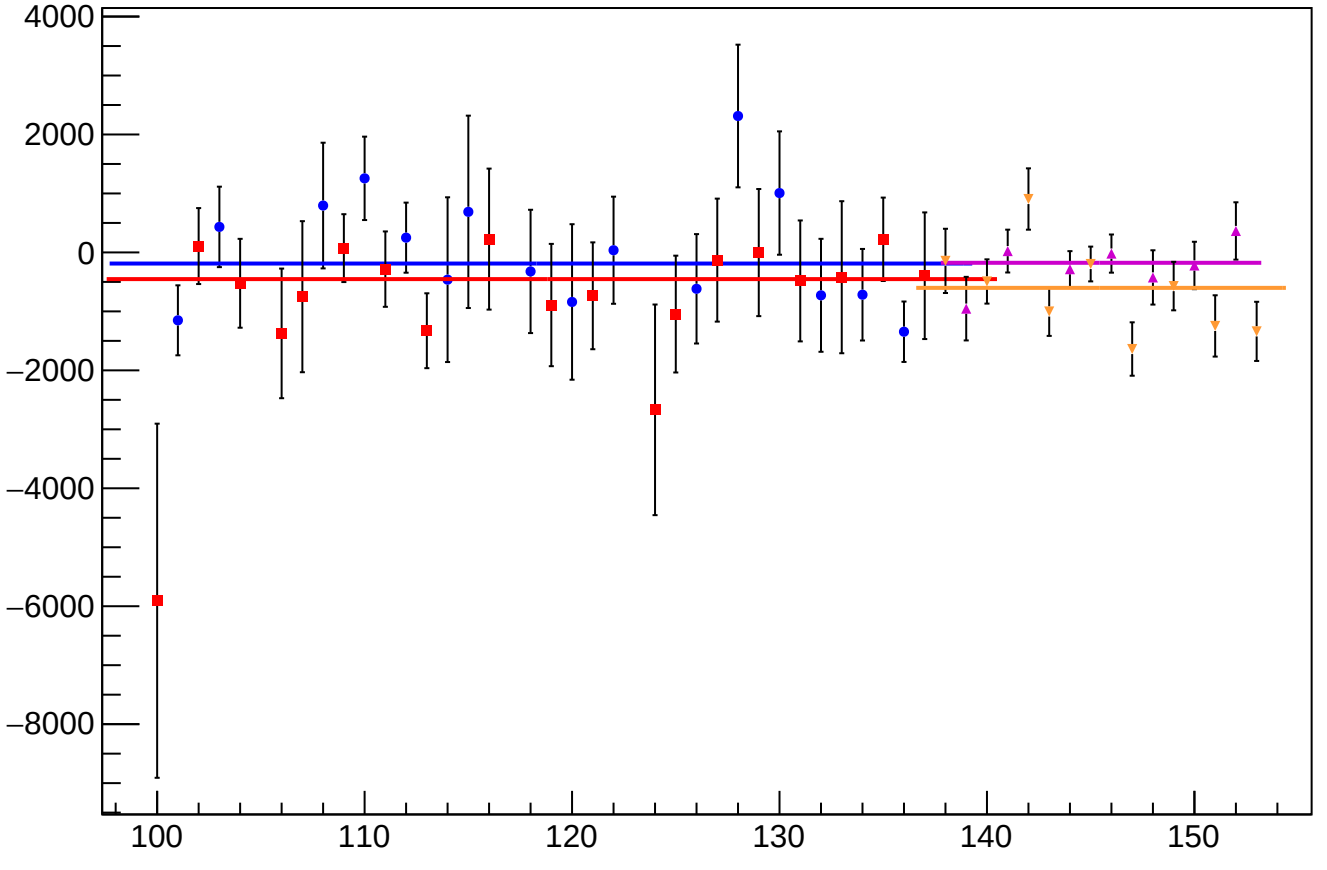
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.526+/-0.014 χ^2/NDF:141289.9/6

+ sign 50.738+/-0.010 χ^2/NDF: 710796.7/24

All: 50.655+/-0.007 χ^2/NDF: 1502124.2/50

- sign 50.568+/-0.010 χ^2/NDF: 791178.4/25



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -601.119+/-141.452 χ^2/NDF:21.0/8

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

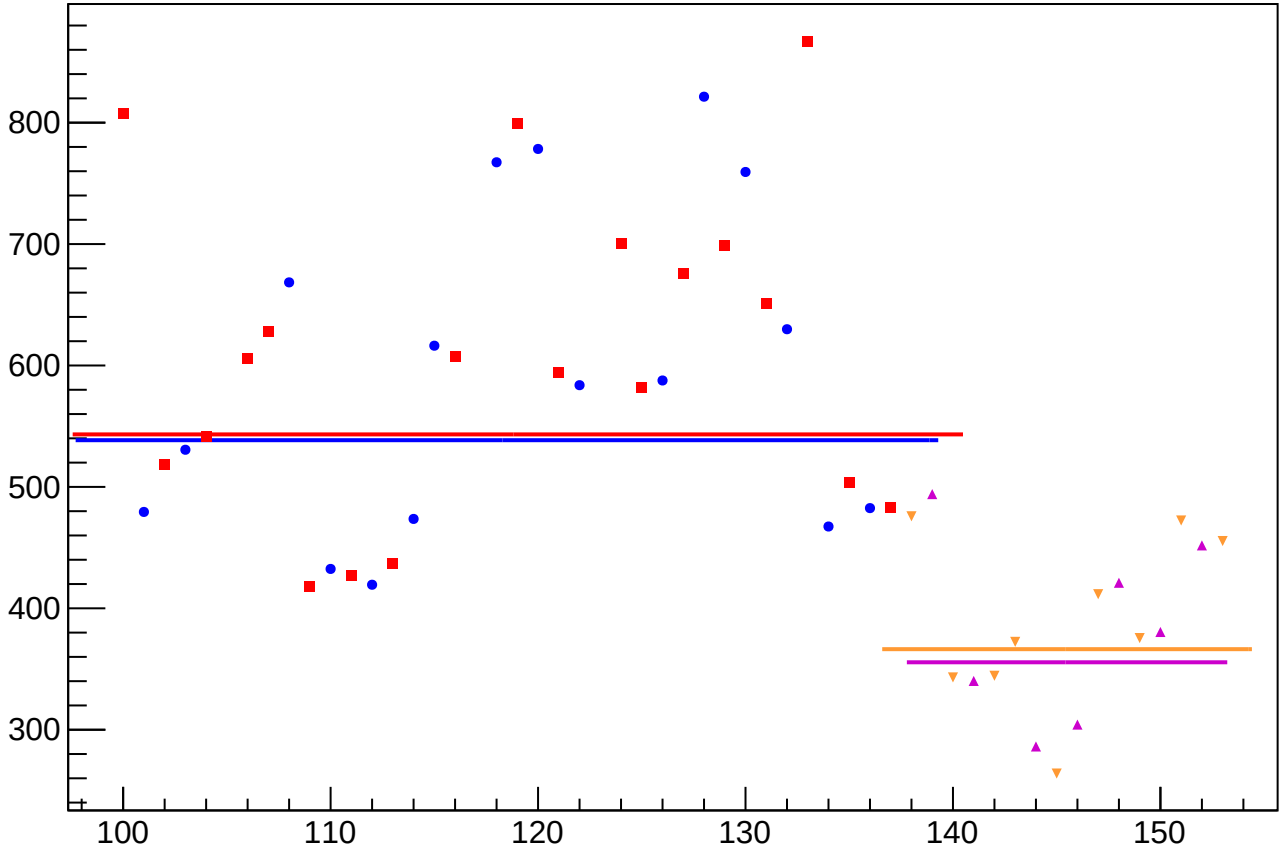
Left In: -176.057+/-146.816 χ^2/NDF:4.3/6

+ sign -468.761+/-116.574 χ^2/NDF: 45.0/24

All: -371.769+/-83.325 χ^2/NDF: 63.3/50

- sign -270.447+/-119.147 χ^2/NDF: 16.8/25

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 366.358+/-0.100 χ^2/NDF:500979.8/8

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

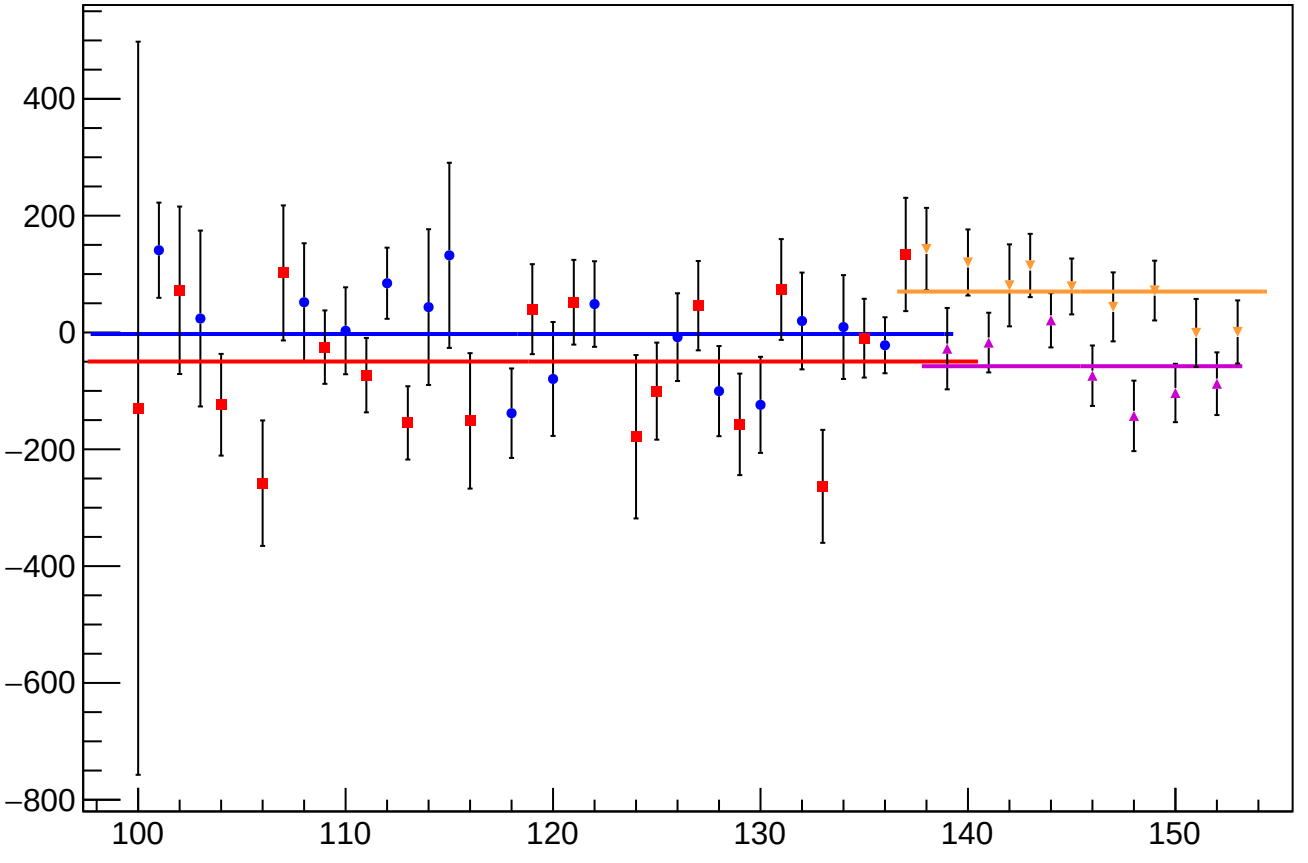
Left In: 355.549+/-0.104 χ^2/NDF:415250.5/6

+ sign 421.575+/-0.082 χ^2/NDF: 2064894.4/24

All: 420.622+/-0.059 χ^2/NDF: 4233463.2/50

- sign 419.627+/-0.084 χ^2/NDF: 2168295.6/25

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 70.050+/-18.890 χ^2/NDF:5.9/8

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

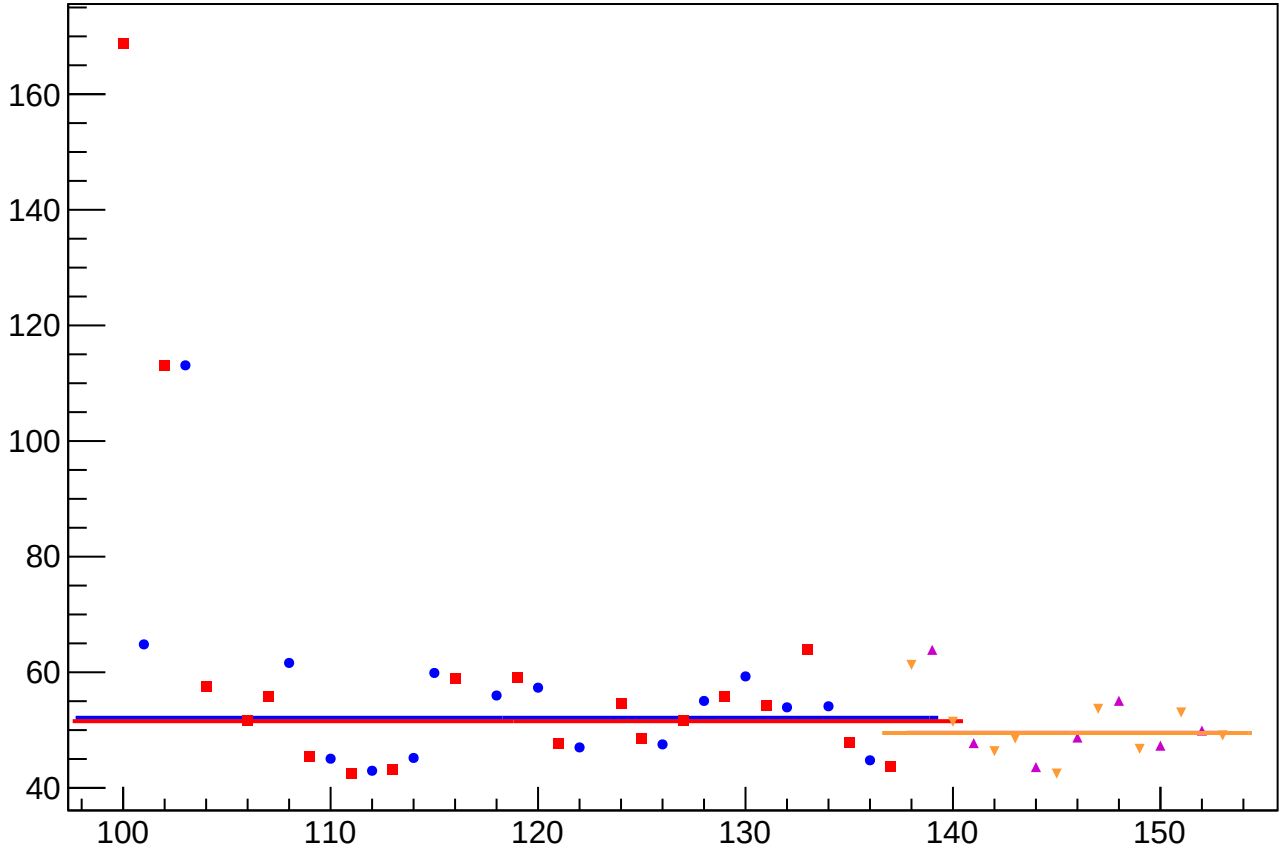
Left In: -57.755+/-20.210 χ^2/NDF:6.9/6

+ sign 35.779+/-13.731 χ^2/NDF: 27.5/24

All: -7.798+/-9.830 χ^2/NDF: 84.4/50

- sign -53.605+/-14.078 χ^2/NDF: 36.3/25

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.496+/-0.013 χ^2/NDF:129565.3/8

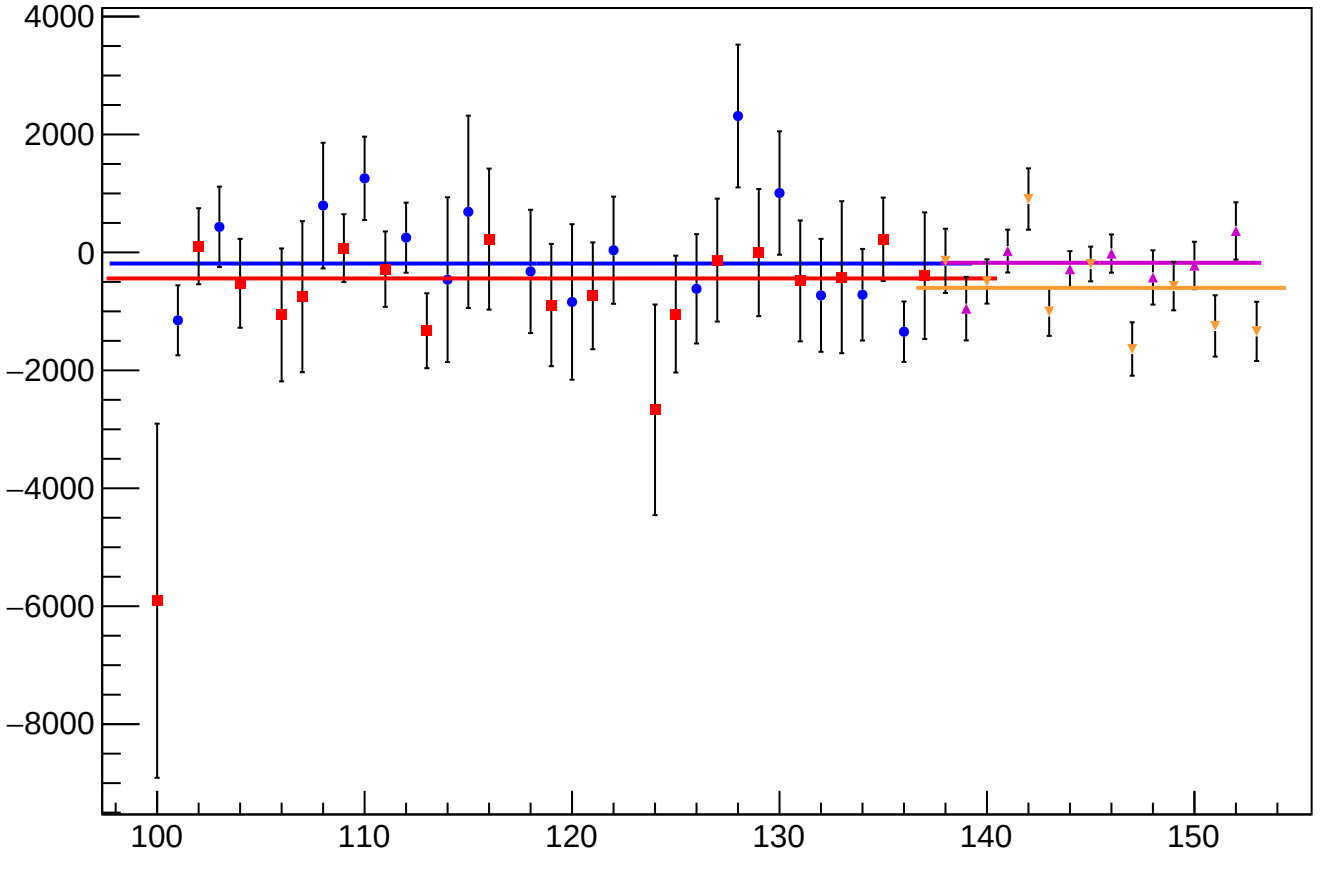
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.526+/-0.014 χ^2/NDF:141289.9/6

+ sign 50.738+/-0.010 χ^2/NDF: 710799.0/24

All: 50.652+/-0.007 χ^2/NDF: 1502250.6/50

- sign 50.563+/-0.010 χ^2/NDF: 791293.1/25



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -601.115+/-141.452 χ^2/NDF:21.0/8

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

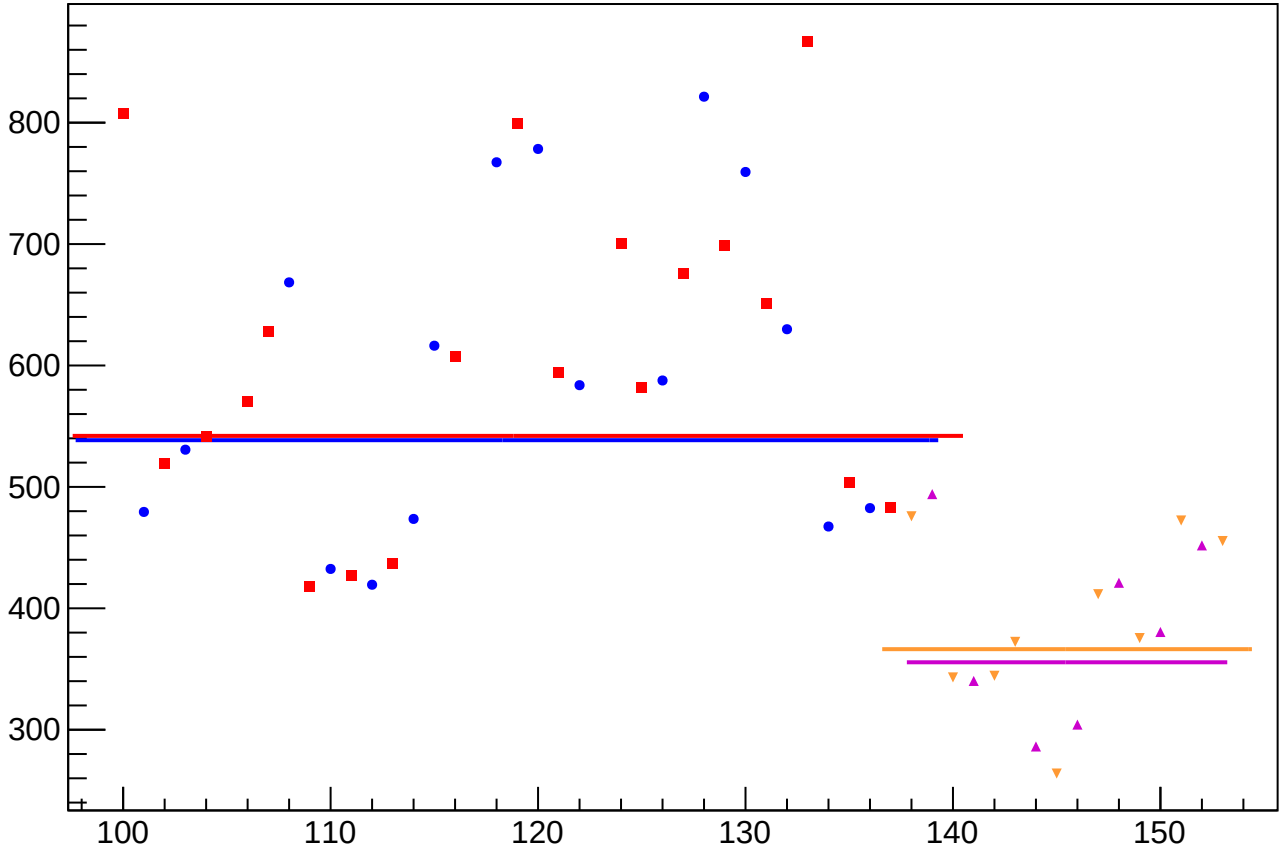
Left In: -176.061+/-146.816 χ^2/NDF:4.3/6

+ sign -468.753+/-116.574 χ^2/NDF: 45.0/24

All: -369.845+/-83.338 χ^2/NDF: 62.8/50

- sign -266.456+/-119.186 χ^2/NDF: 16.3/25

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 366.358+/-0.100 χ^2/NDF:500983.0/8

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

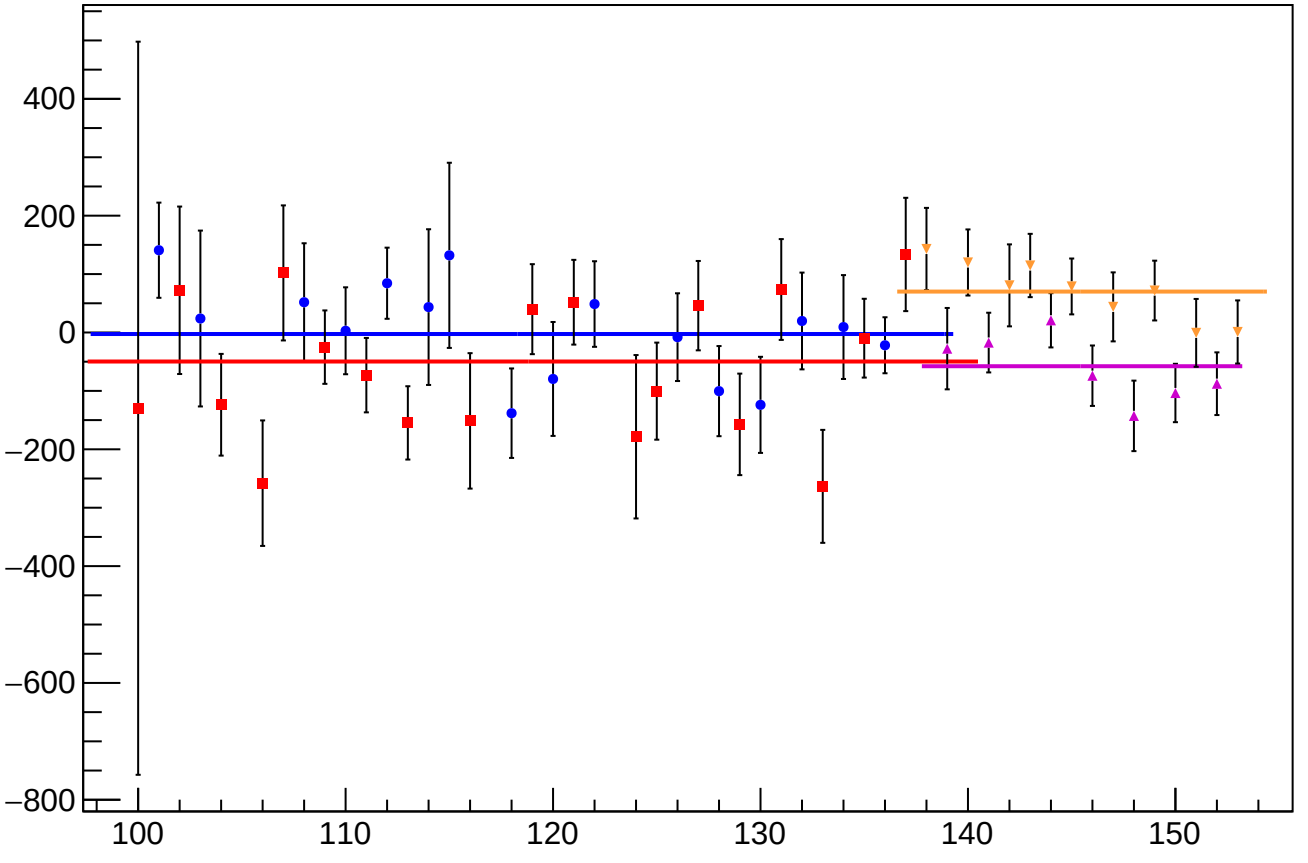
Left In: 355.549+/-0.104 χ^2/NDF:415250.1/6

+ sign 421.576+/-0.082 χ^2/NDF: 2064941.5/24

All: 420.381+/-0.059 χ^2/NDF: 4212320.5/50

- sign 419.132+/-0.084 χ^2/NDF: 2146949.5/25

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 70.050+/-18.890 χ^2/NDF:5.9/8

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

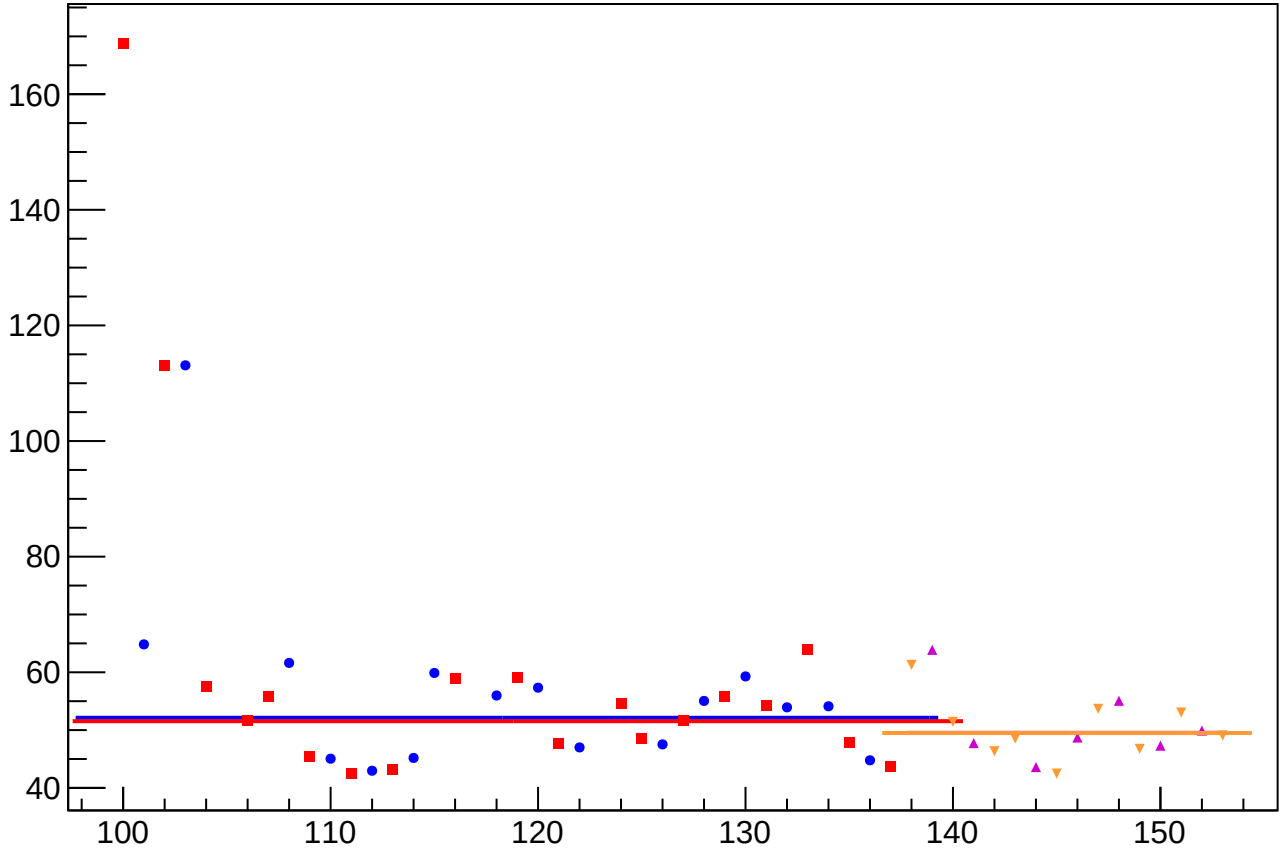
Left In: -57.755+/-20.210 χ^2/NDF:6.9/6

+ sign 35.779+/-13.731 χ^2/NDF: 27.5/24

All: -7.798+/-9.830 χ^2/NDF: 84.4/50

- sign -53.605+/-14.078 χ^2/NDF: 36.3/25

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.496+/-0.013 χ^2/NDF:129565.3/8

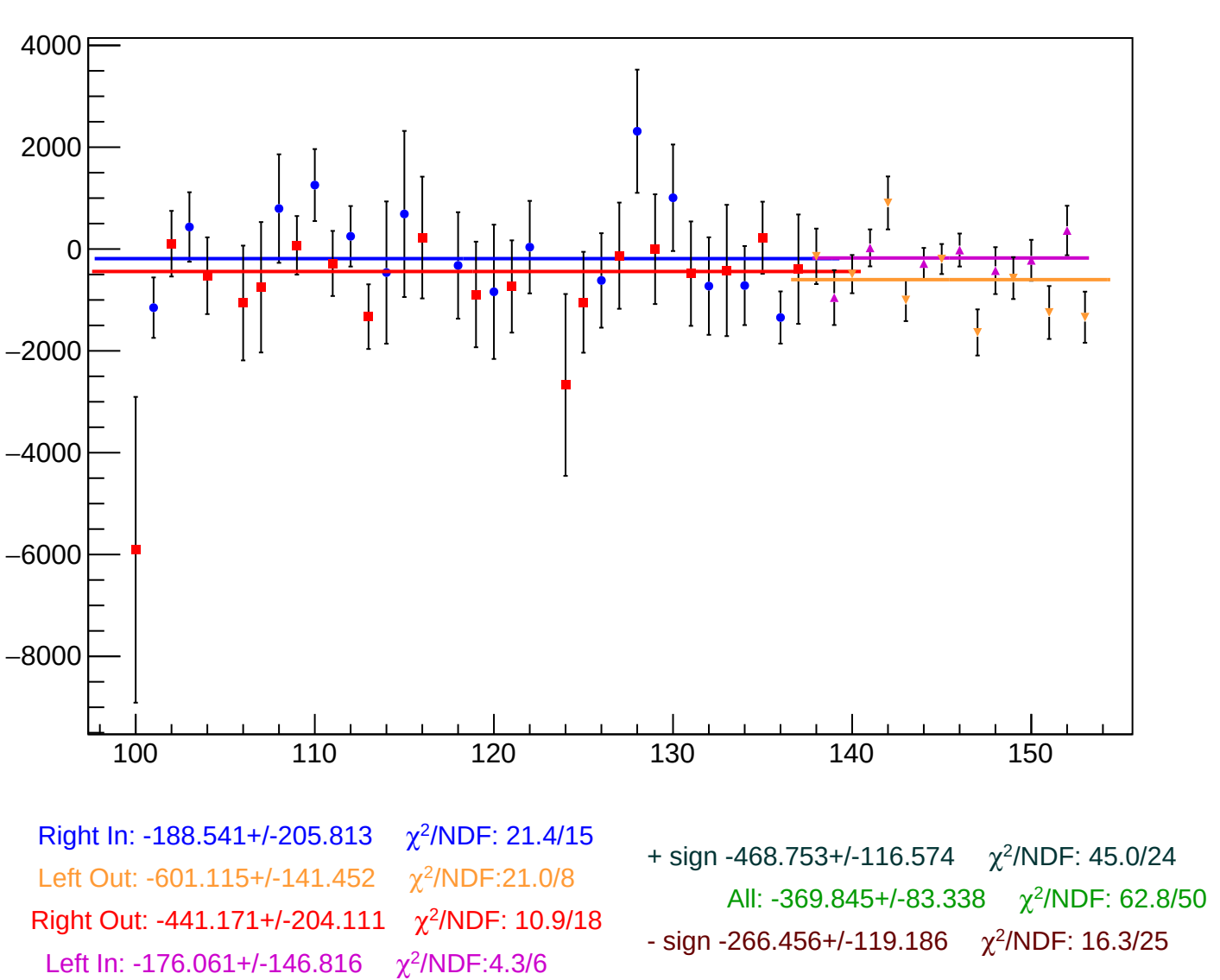
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

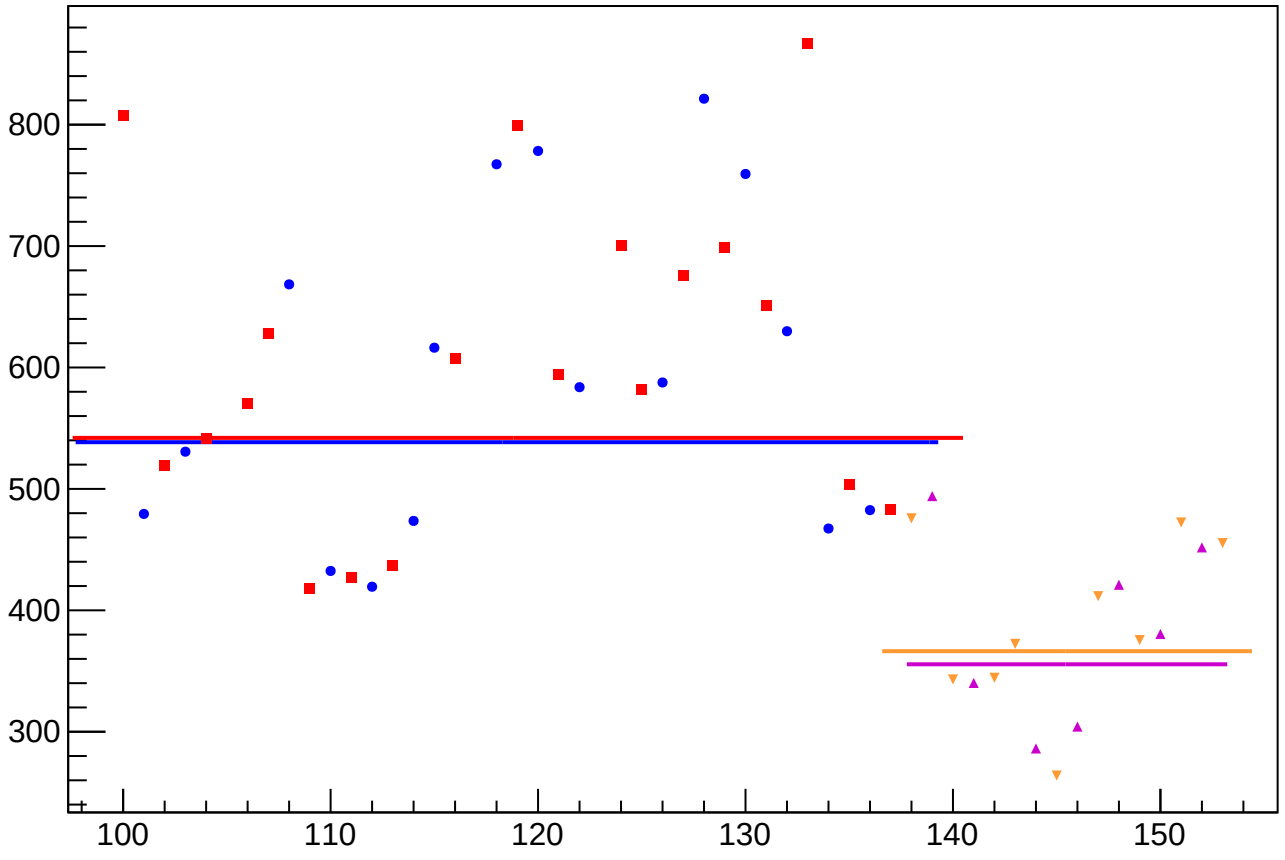
Left In: 49.526+/-0.014 χ^2/NDF:141289.9/6

+ sign 50.738+/-0.010 χ^2/NDF: 710799.0/24

All: 50.652+/-0.007 χ^2/NDF: 1502250.6/50

- sign 50.563+/-0.010 χ^2/NDF: 791293.1/25


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -601.115+/-141.452 χ²/NDF:21.0/8
Right Out: -441.171+/-204.111 χ²/NDF: 10.9/18
Left In: -176.061+/-146.816 χ²/NDF:4.3/6
+ sign -468.753+/-116.574 χ²/NDF: 45.0/24
All: -369.845+/-83.338 χ²/NDF: 62.8/50
- sign -266.456+/-119.186 χ²/NDF: 16.3/25



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 366.358+/-0.100 χ^2/NDF:500983.0/8

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

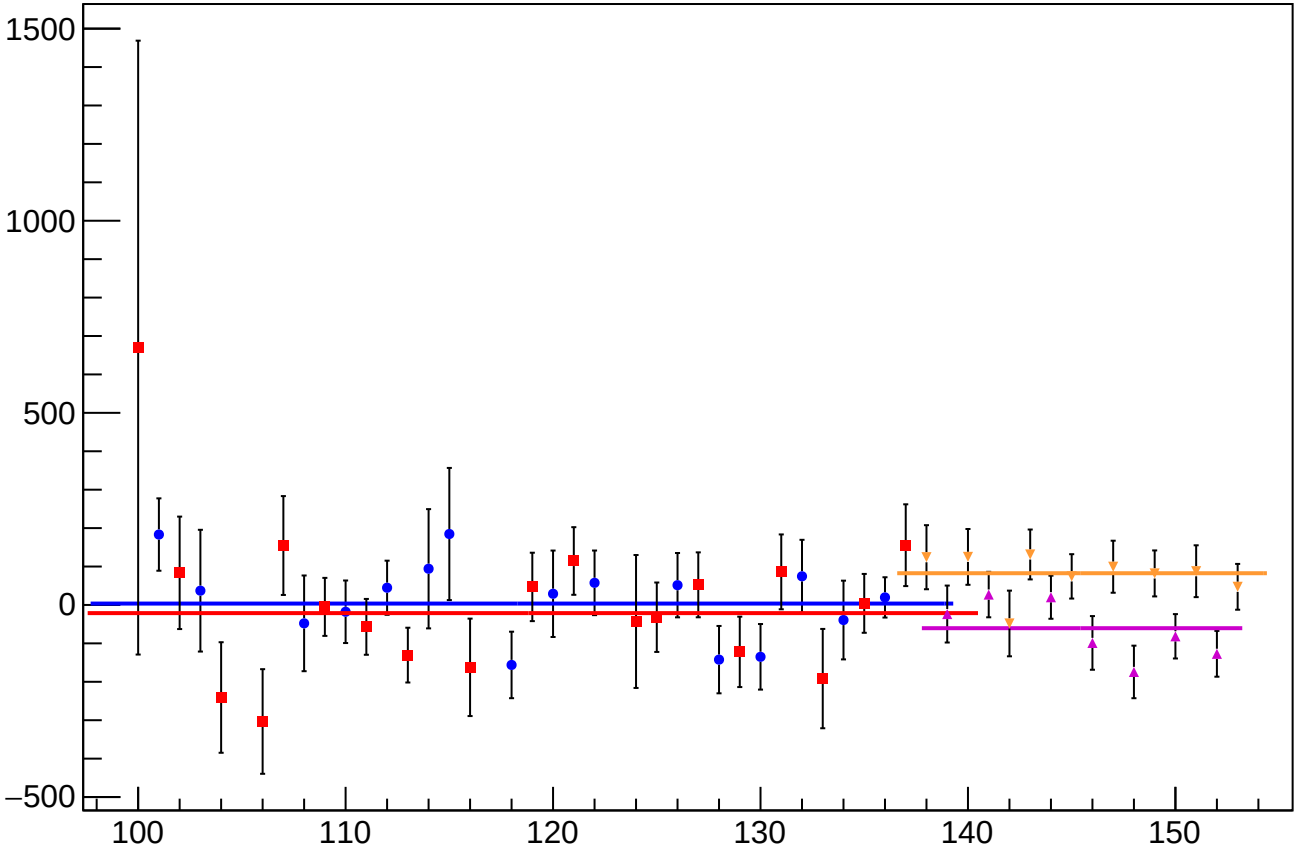
Left In: 355.549+/-0.104 χ^2/NDF:415250.1/6

+ sign 421.576+/-0.082 χ^2/NDF: 2064941.5/24

All: 420.381+/-0.059 χ^2/NDF: 4212320.5/50

- sign 419.132+/-0.084 χ^2/NDF: 2146949.5/25

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 82.579+/-22.328 χ^2/NDF:3.9/8

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

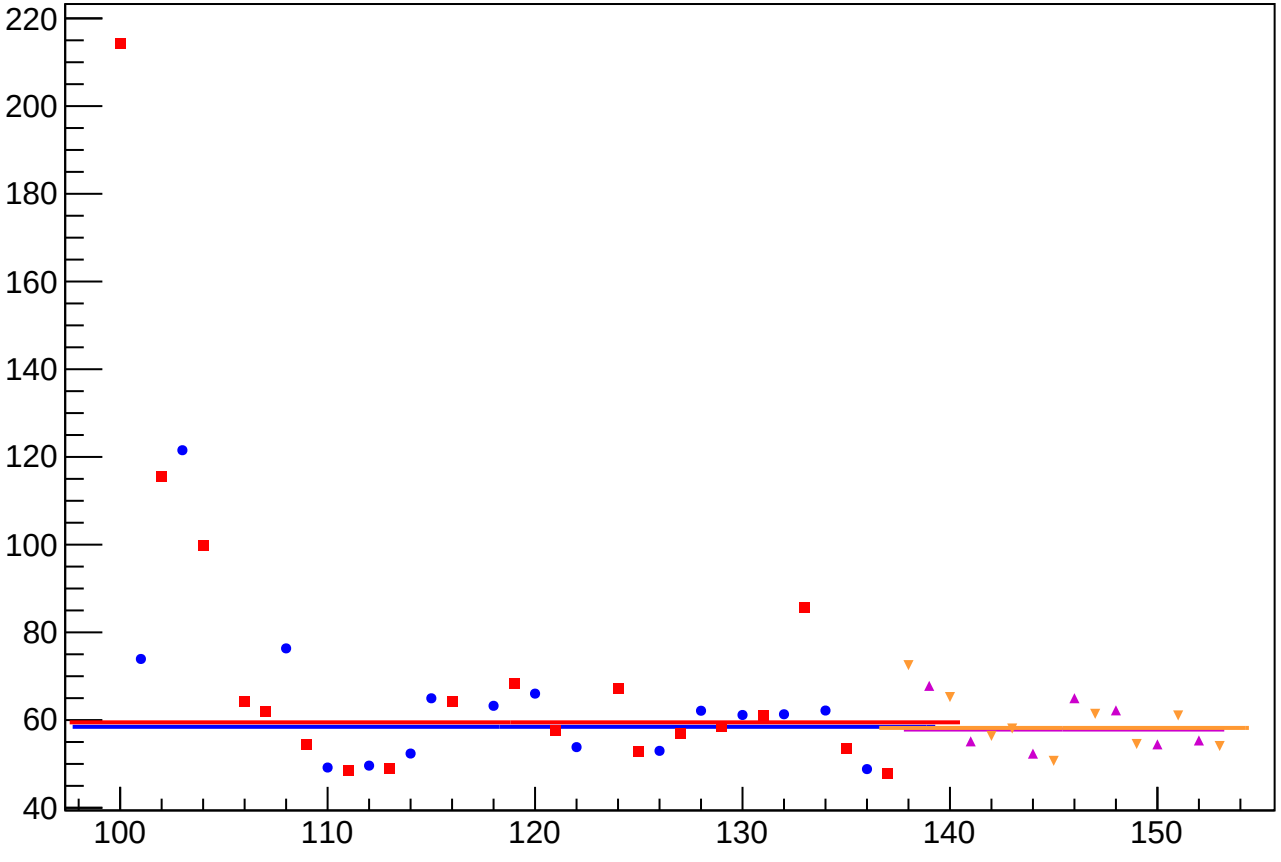
Left In: -60.493+/-23.666 χ^2/NDF:9.0/6

\+ sign 43.356+/-15.842 χ^2/NDF: 26.3/24

All: 3.086+/-11.397 χ^2/NDF: 74.5/50

\- sign -40.115+/-16.408 χ^2/NDF: 34.8/25

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 58.210+/-0.016 χ^2/NDF:137615.1/8

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

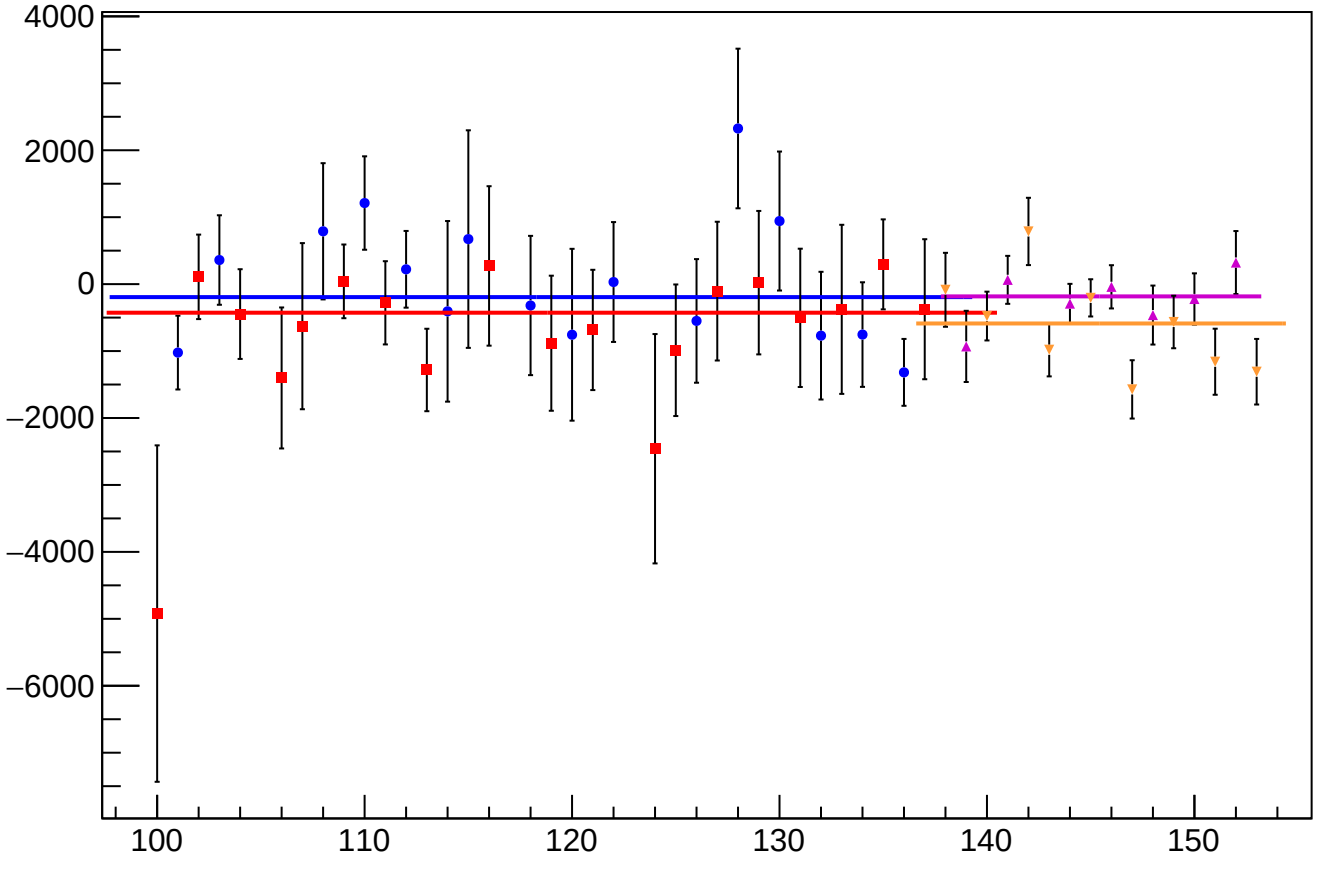
Left In: 57.836+/-0.017 χ^2/NDF:98881.3/6

+ sign 58.337+/-0.011 χ^2/NDF: 720728.9/24

All: 58.508+/-0.008 χ^2/NDF: 1610009.2/50

- sign 58.692+/-0.012 χ^2/NDF: 888795.8/25

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -587.831+/-136.003 χ^2/NDF:19.9/8

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

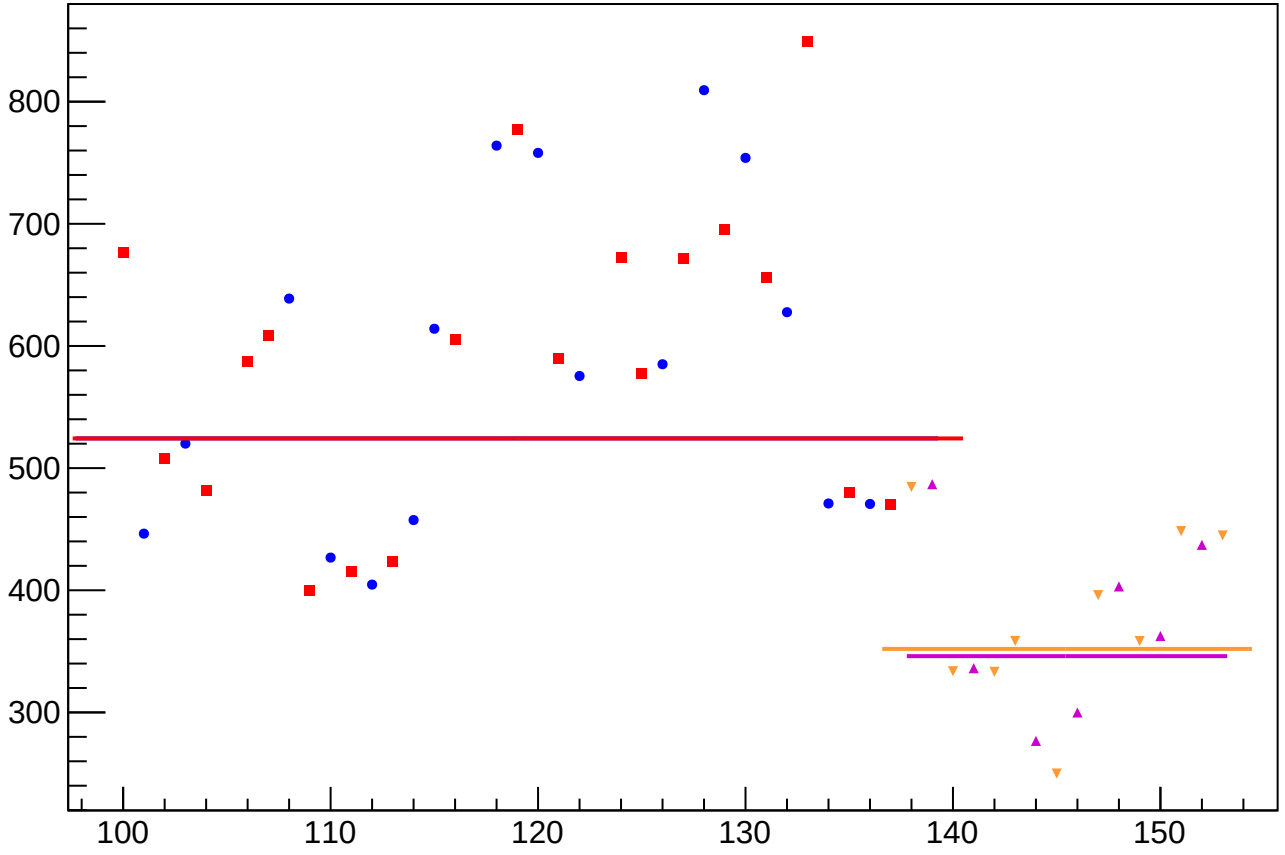
Left In: -183.203+/-143.022 χ^2/NDF:4.3/6

+ sign -463.782+/-112.571 χ^2/NDF: 43.3/24

All: -368.286+/-80.696 χ^2/NDF: 61.5/50

- sign -267.340+/-115.738 χ^2/NDF: 16.7/25

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 352.014+/-0.096 χ^2/NDF:562258.9/8

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

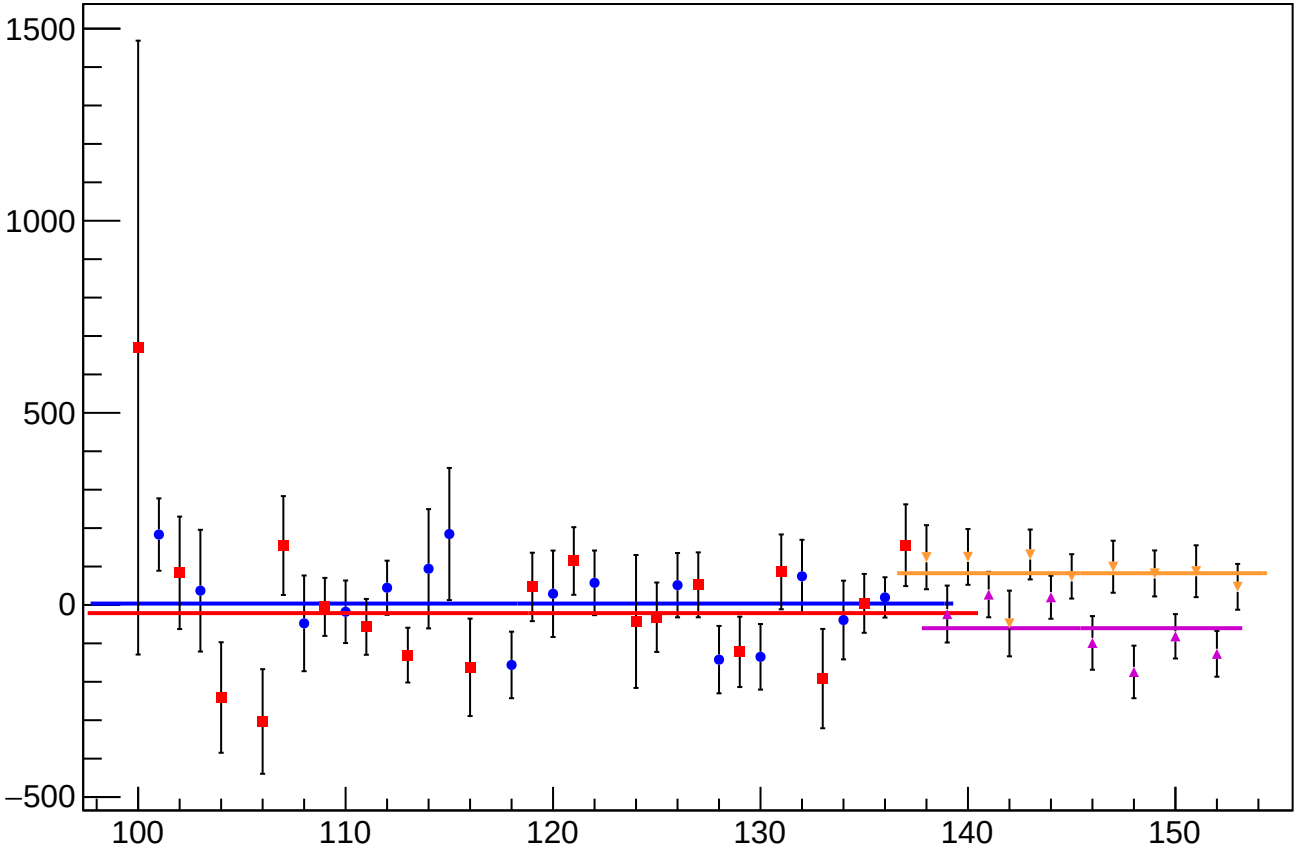
Left In: 346.069+/-0.101 χ^2/NDF:405350.8/6

+ sign 406.275+/-0.080 χ^2/NDF: 2231722.1/24

All: 406.913+/-0.057 χ^2/NDF: 4395324.1/50

- sign 407.587+/-0.082 χ^2/NDF: 2163470.0/25

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 82.579+/-22.328 χ^2/NDF:3.9/8

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

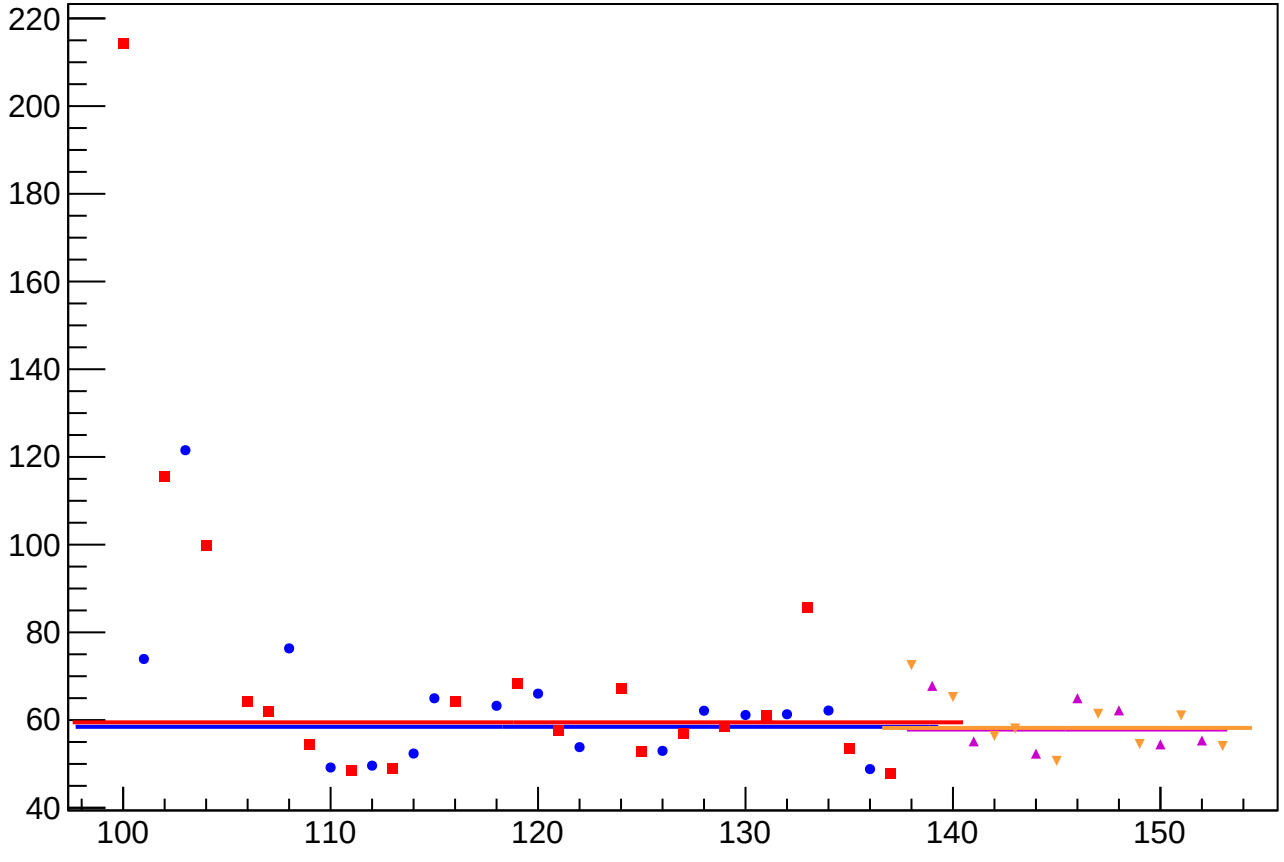
Left In: -60.493+/-23.667 χ^2/NDF:9.0/6

+ sign 43.356+/-15.842 χ^2/NDF: 26.3/24

All: 3.086+/-11.397 χ^2/NDF: 74.5/50

- sign -40.114+/-16.408 χ^2/NDF: 34.8/25

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 58.211+/-0.016 χ^2/NDF:137615.2/8

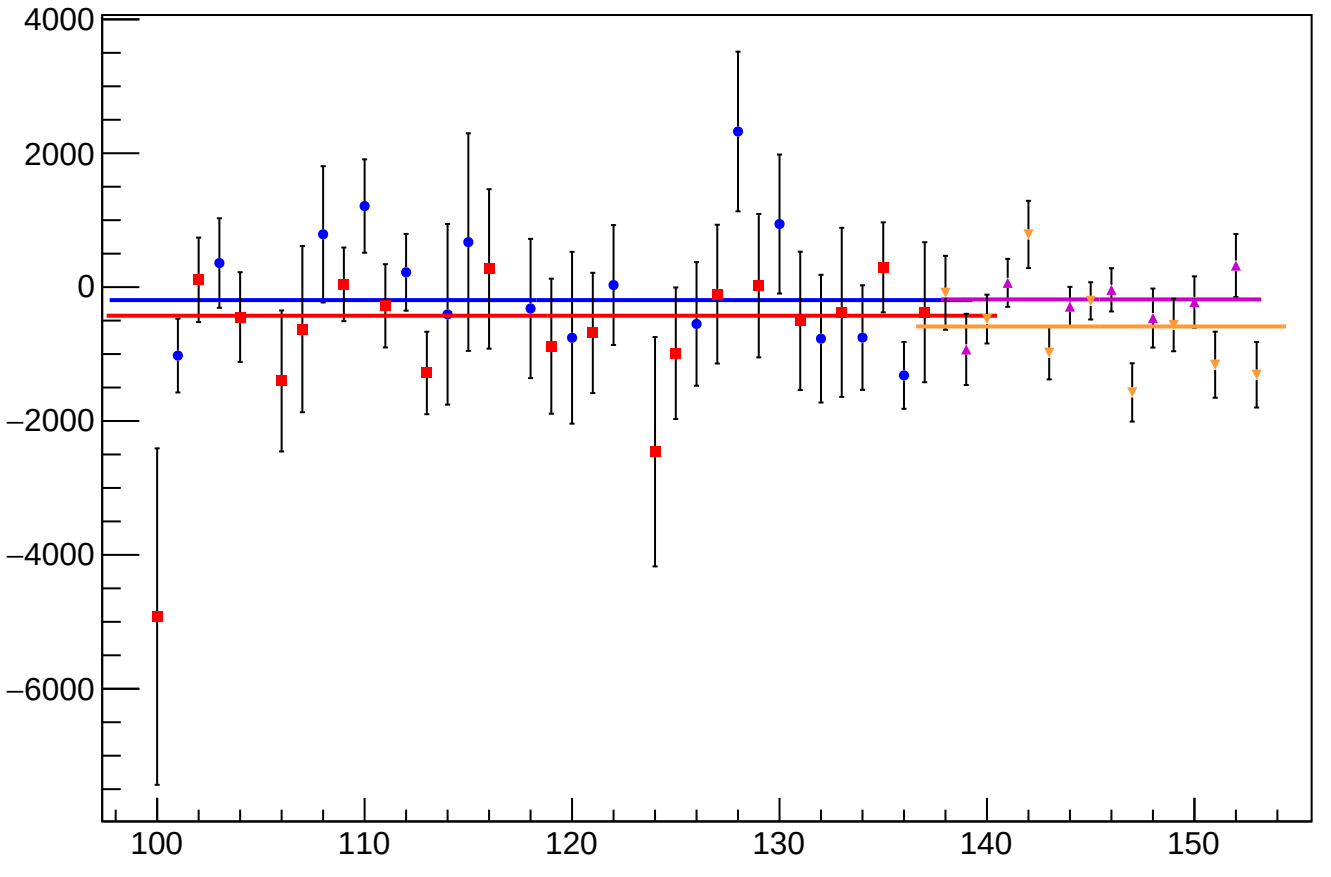
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.837+/-0.017 χ^2/NDF:98879.5/6

+ sign 58.337+/-0.011 χ^2/NDF: 720725.3/24

All: 58.509+/-0.008 χ^2/NDF: 1610003.3/50

- sign 58.692+/-0.012 χ^2/NDF: 888793.5/25



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -587.832+/-136.003 χ^2/NDF:19.9/8

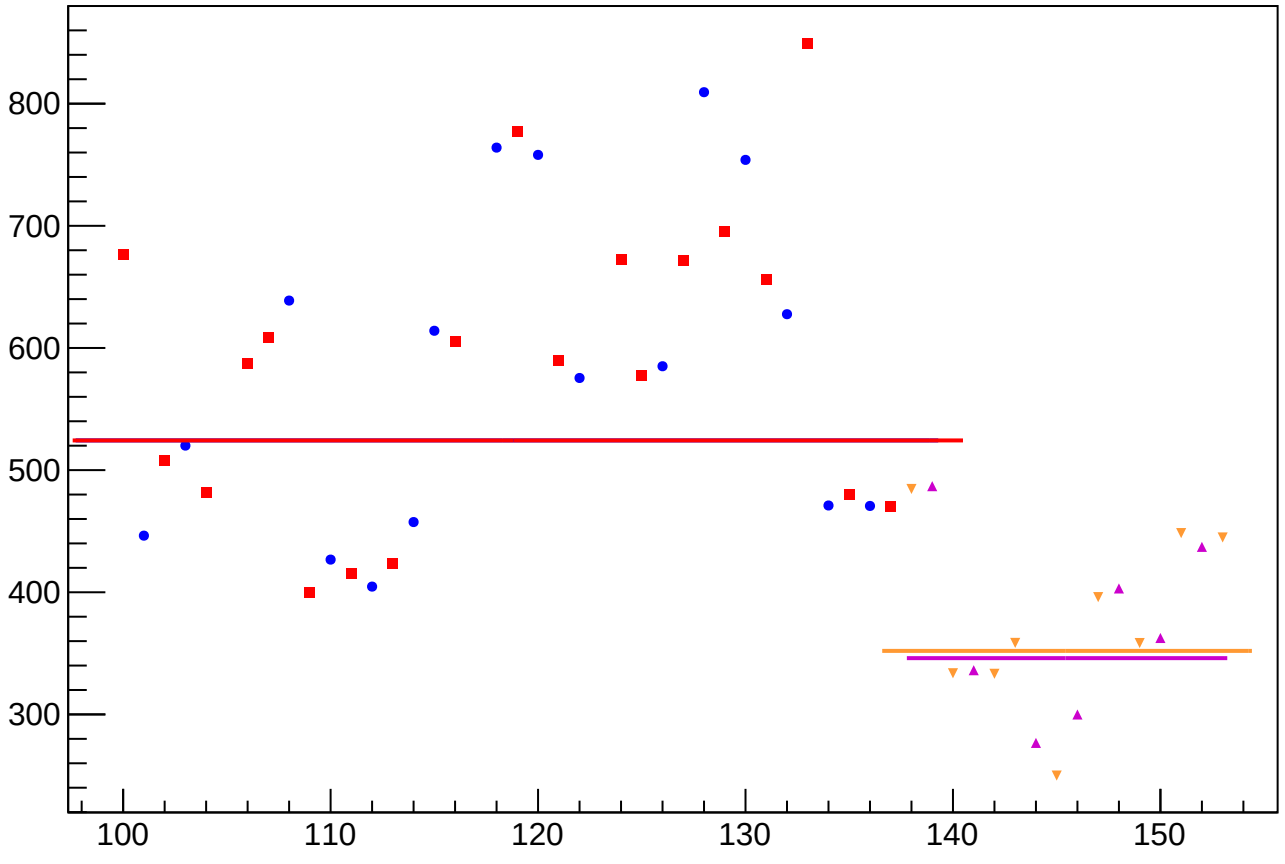
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -183.203+/-143.022 χ^2/NDF:4.3/6

+ sign -463.782+/-112.570 χ^2/NDF: 43.3/24

All: -368.286+/-80.696 χ^2/NDF: 61.5/50

- sign -267.340+/-115.738 χ^2/NDF: 16.7/25



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 352.014+/-0.096 χ^2/NDF:562258.6/8

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

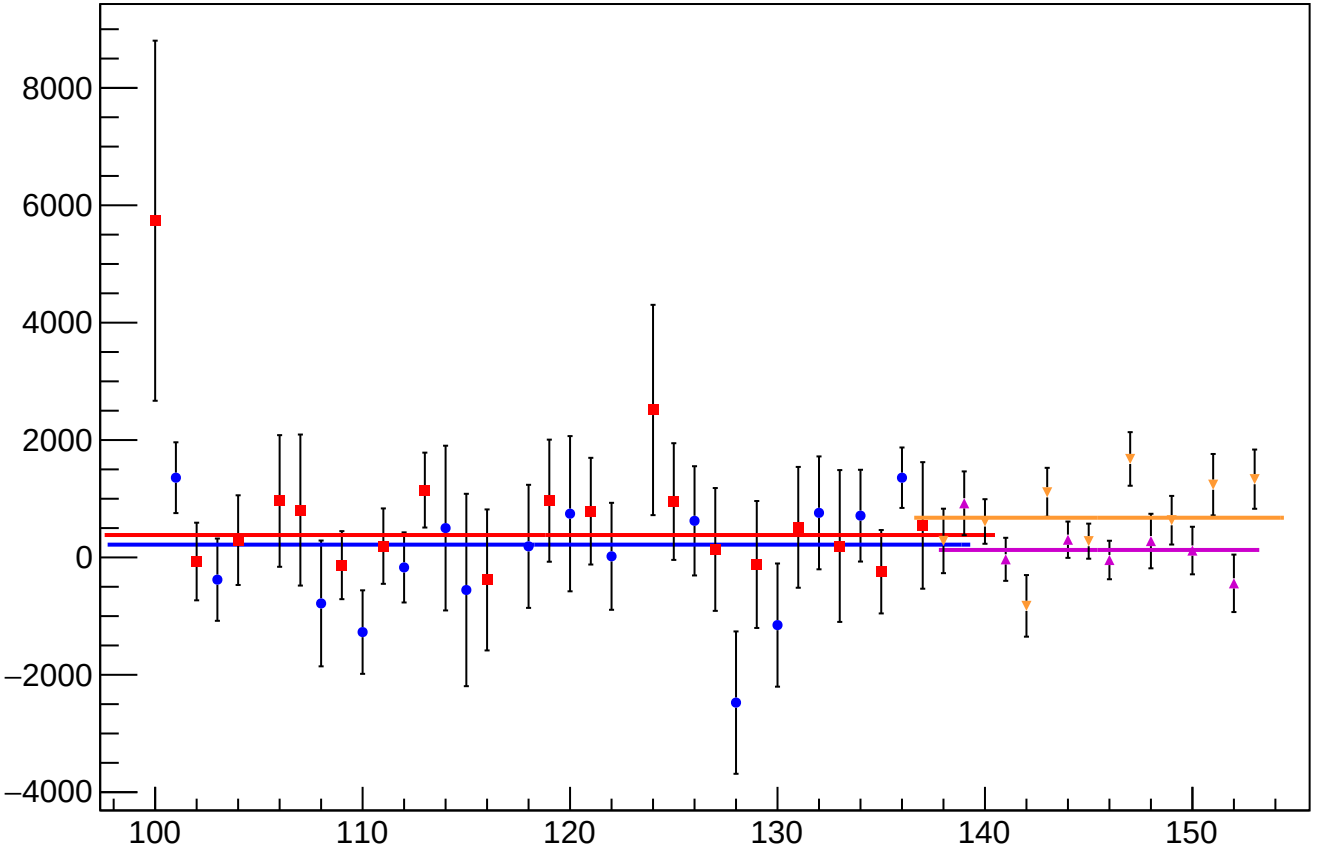
Left In: 346.069+/-0.101 χ^2/NDF:405350.6/6

\+ sign 406.275+/-0.080 χ^2/NDF: 2231718.9/24

All: 406.912+/-0.057 χ^2/NDF: 4395313.9/50

\- sign 407.586+/-0.082 χ^2/NDF: 2163463.0/25

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 676.316+/-142.823 χ^2/NDF:19.3/8

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

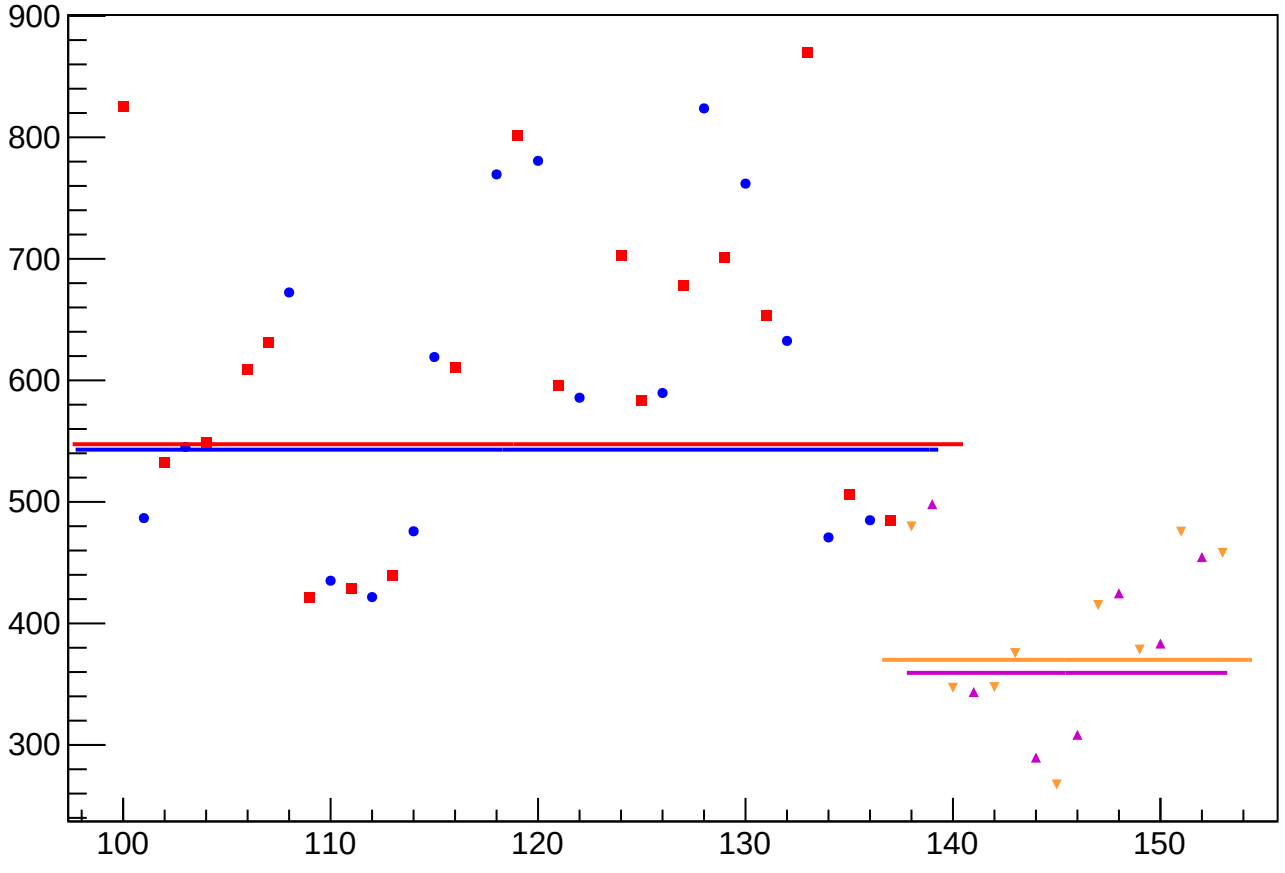
Left In: 127.363+/-148.320 χ^2/NDF:4.4/6

\+ sign 528.898+/-117.647 χ^2/NDF: 45.5/24

All: 375.170+/-84.106 χ^2/NDF: 64.3/50

\- sign 214.474+/-120.284 χ^2/NDF: 15.4/25

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 370.061+/-0.101 χ^2/NDF:489431.6/8

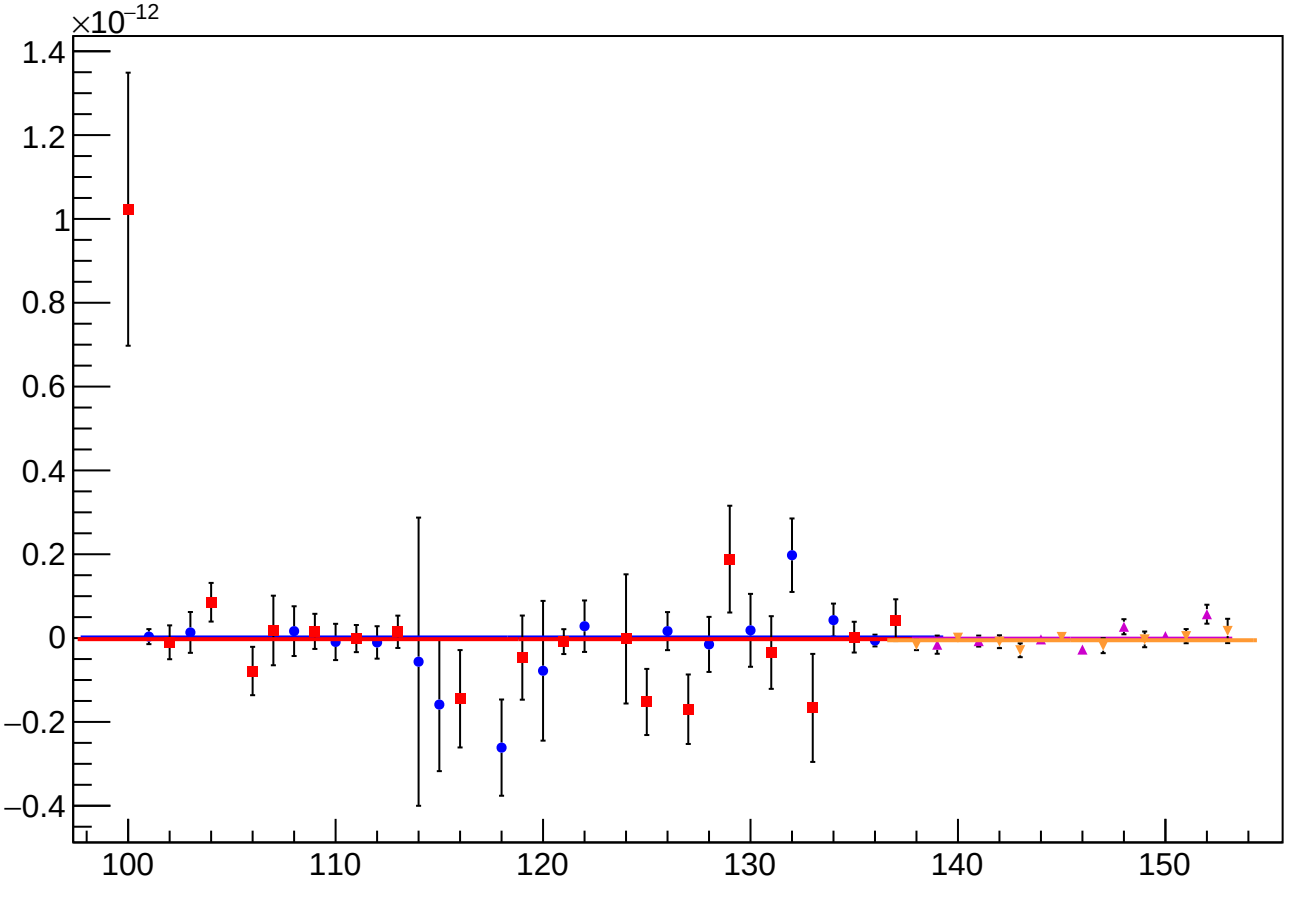
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 359.345+/-0.105 χ^2/NDF:406553.0/6

+ sign 425.657+/-0.083 χ^2/NDF: 2037359.4/24

All: 424.720+/-0.059 χ^2/NDF: 4175822.2/50

- sign 423.742+/-0.085 χ^2/NDF: 2138203.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/8

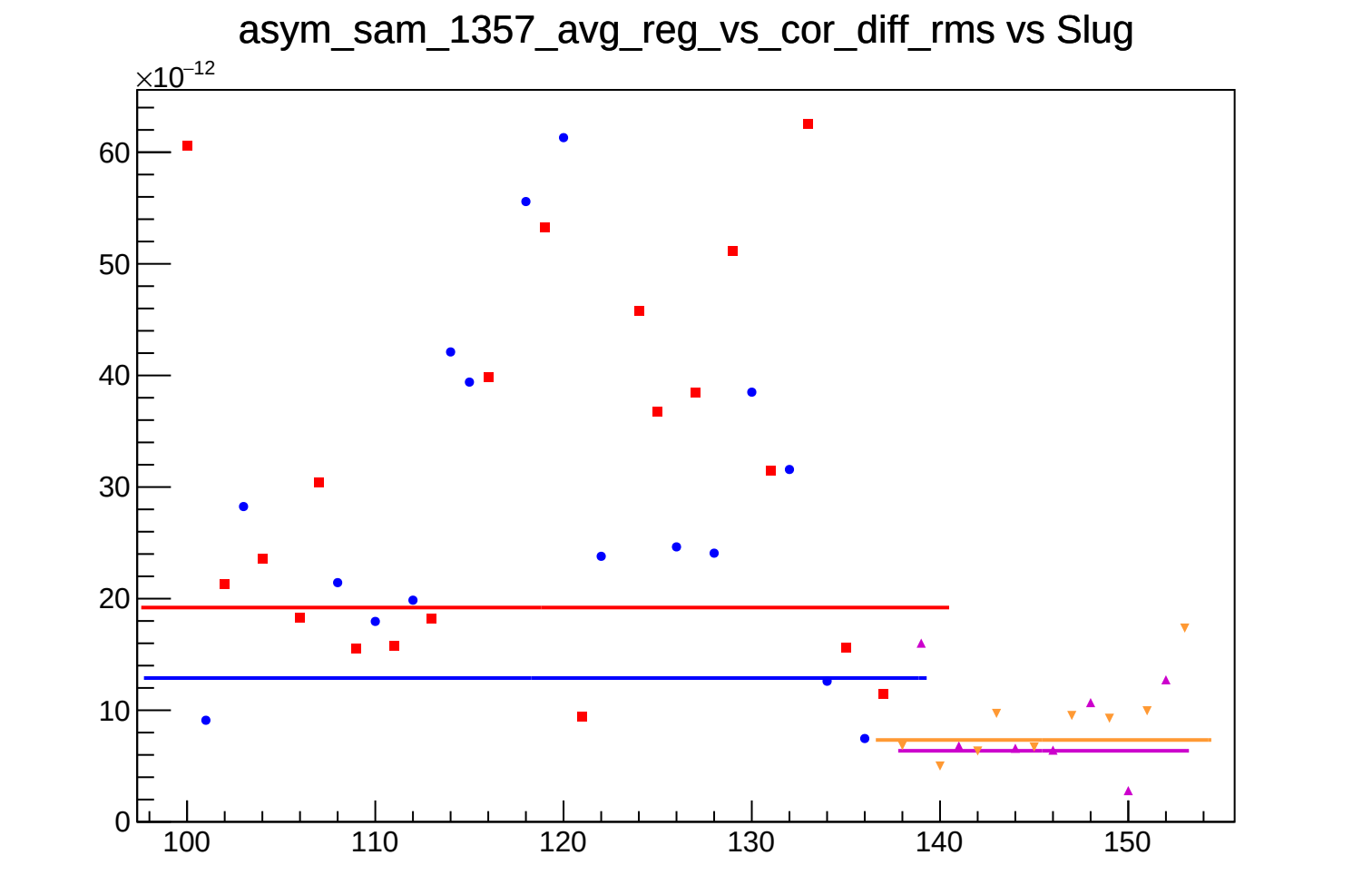
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/6

+ sign -0.000+/-0.000 χ^2/NDF: 19.5/24

All: -0.000+/-0.000 χ^2/NDF: 65.4/50

- sign -0.000+/-0.000 χ^2/NDF: 45.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:532784.9/8

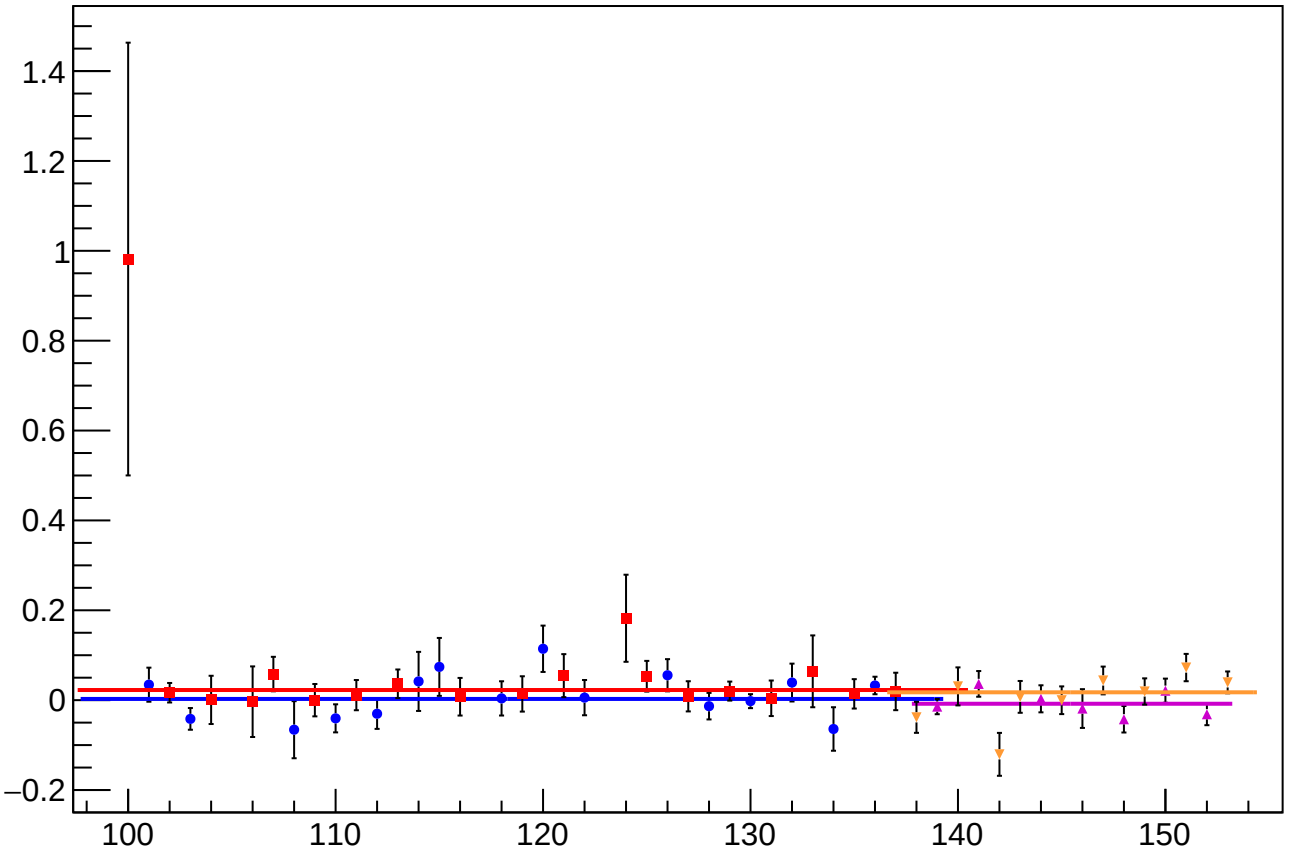
Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1040043.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 2884259.4/24

All: 0.000+/-0.000 χ^2/NDF: 7247924.1/50

- sign 0.000+/-0.000 χ^2/NDF: 4353342.1/25



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.011 χ^2/NDF:16.3/8

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

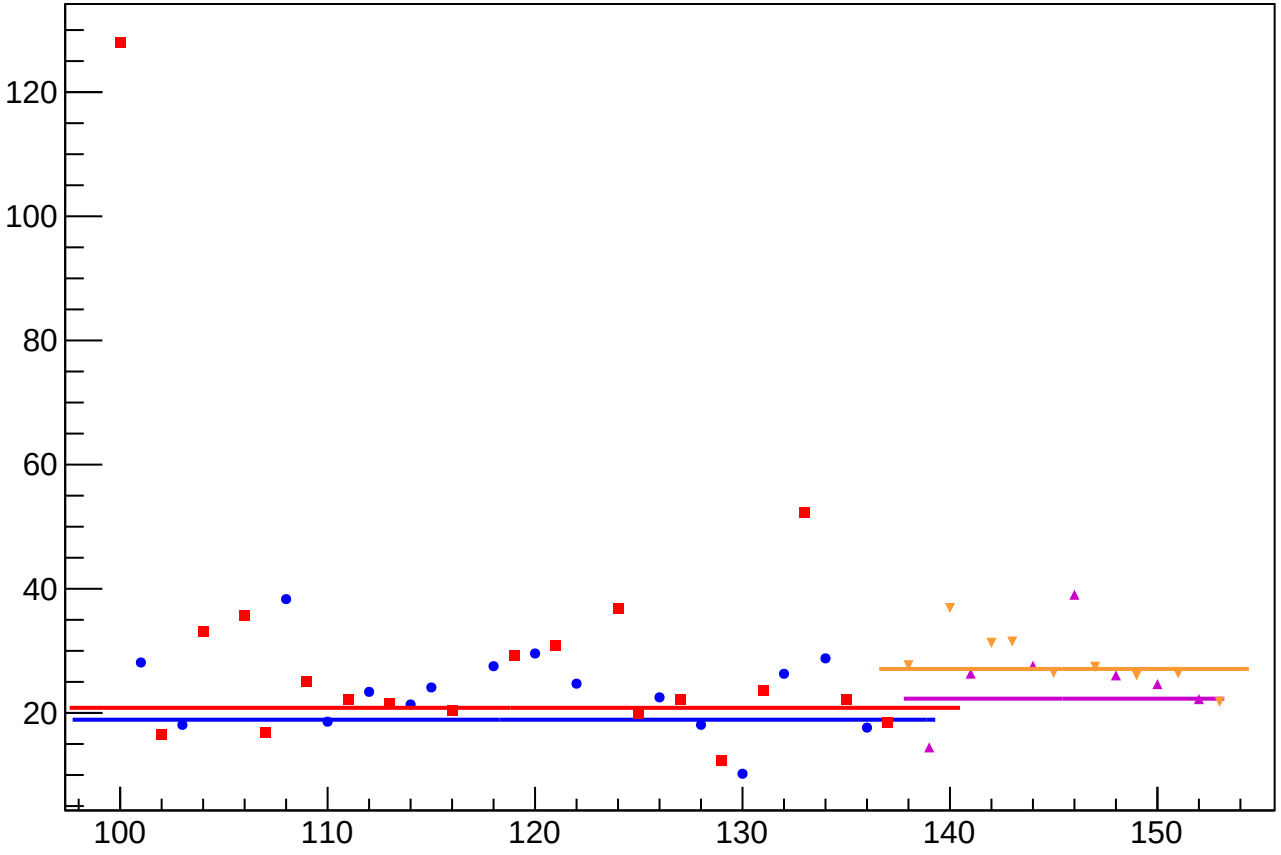
Left In: -0.008+/-0.010 χ^2/NDF:6.2/6

+ sign 0.008+/-0.006 χ^2/NDF: 39.5/24

All: 0.009+/-0.004 χ^2/NDF: 62.1/50

- sign 0.009+/-0.006 χ^2/NDF: 22.6/25

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 27.088+/-0.008 χ^2/NDF:254976.4/8

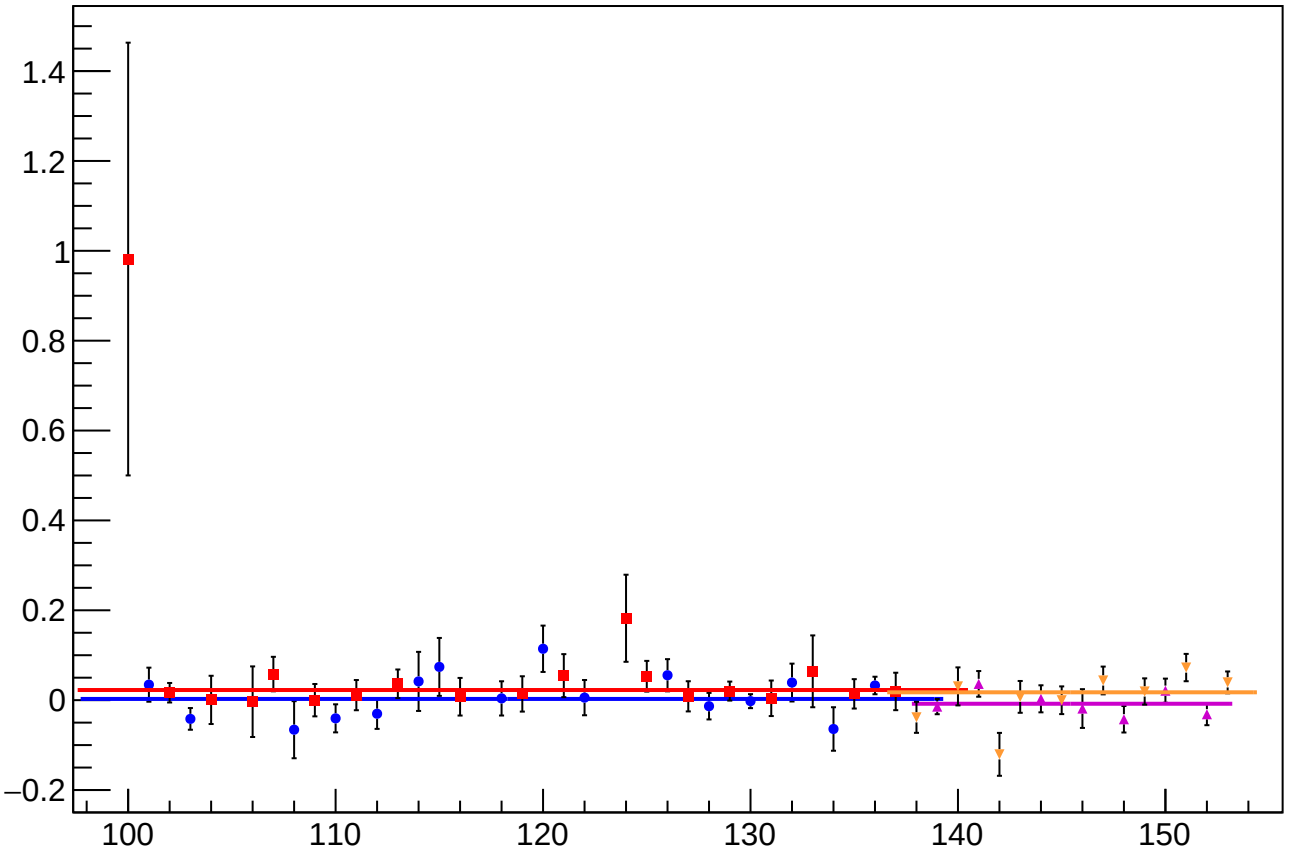
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.298+/-0.007 χ^2/NDF:879232.2/6

+ sign 21.739+/-0.004 χ^2/NDF: 2404573.9/24

All: 21.600+/-0.003 χ^2/NDF: 4603360.3/50

- sign 21.459+/-0.005 χ^2/NDF: 2196831.6/25



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.011 χ^2/NDF:16.3/8

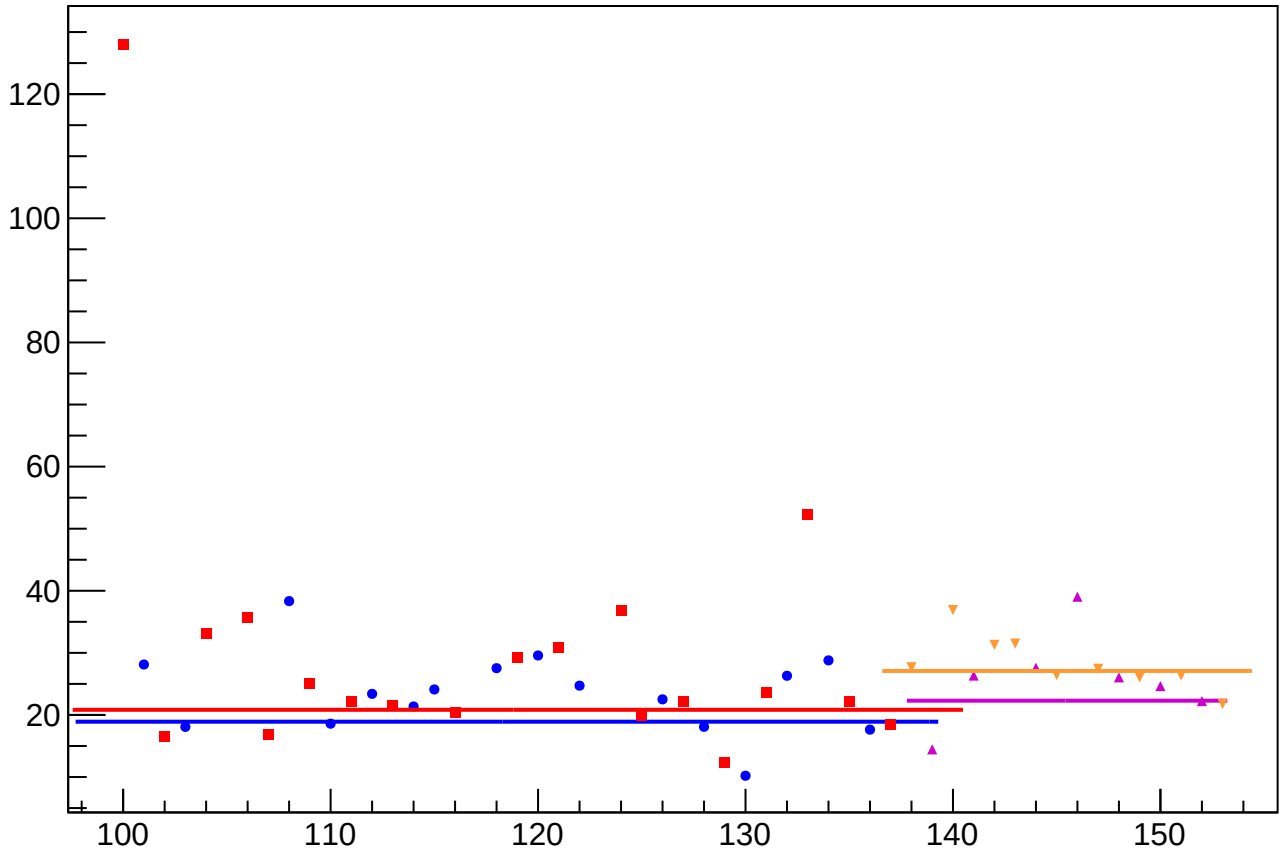
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.008+/-0.010 χ^2/NDF:6.2/6

+ sign 0.008+/-0.006 χ^2/NDF: 39.5/24

All: 0.009+/-0.004 χ^2/NDF: 62.1/50

- sign 0.009+/-0.006 χ^2/NDF: 22.6/25



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 27.088+/-0.008 χ^2/NDF:254976.4/8

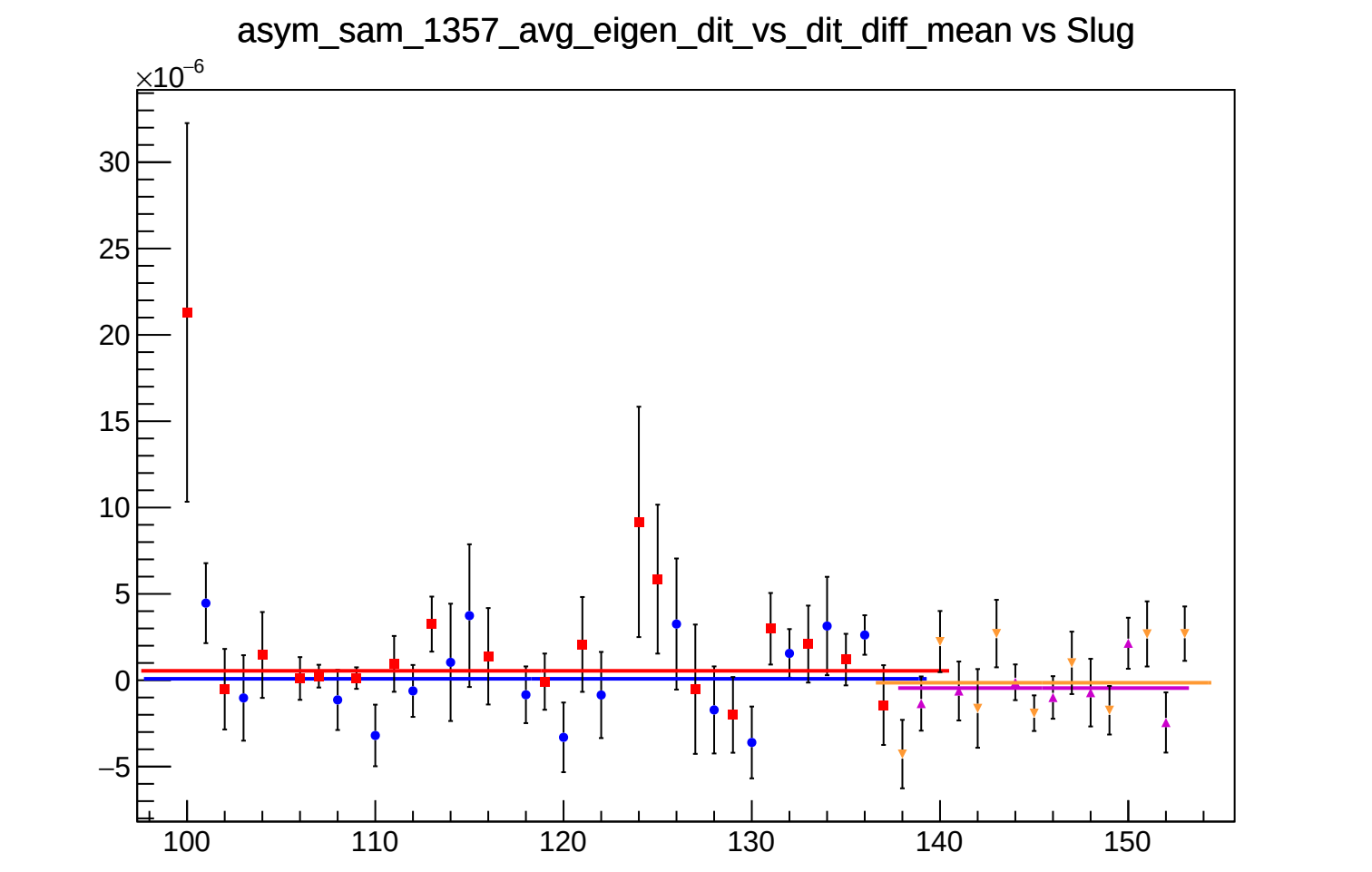
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

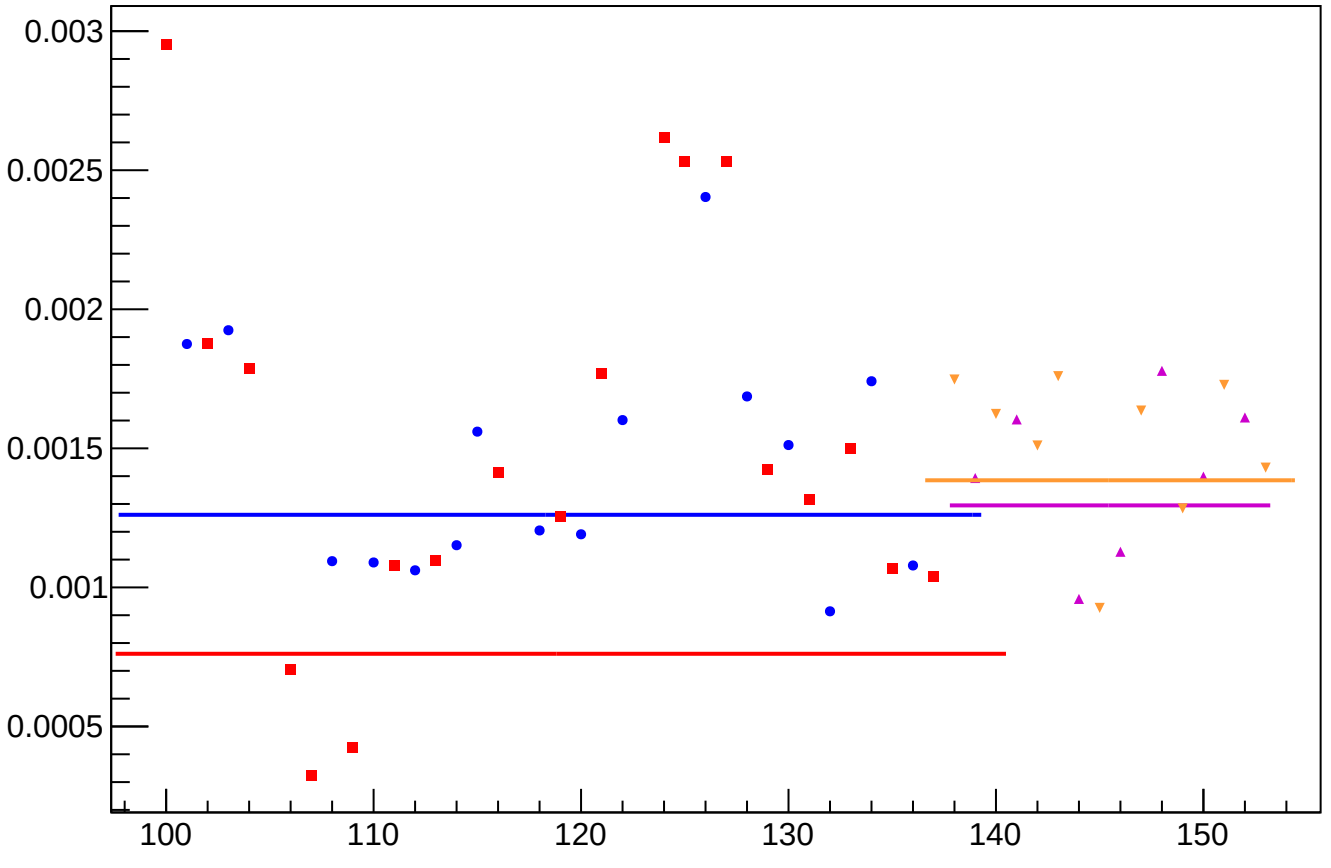
Left In: 22.298+/-0.007 χ^2/NDF:879232.2/6

+ sign 21.739+/-0.004 χ^2/NDF: 2404573.9/24

All: 21.600+/-0.003 χ^2/NDF: 4603360.3/50

- sign 21.459+/-0.005 χ^2/NDF: 2196831.6/25


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: -0.000+/-0.000 χ²/NDF:18.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: -0.000+/-0.000 χ²/NDF:5.0/6
+ sign -0.000+/-0.000 χ²/NDF: 42.4/24
All: 0.000+/-0.000 χ²/NDF: 66.0/50
- sign 0.000+/-0.000 χ²/NDF: 23.1/25



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:694601.3/8

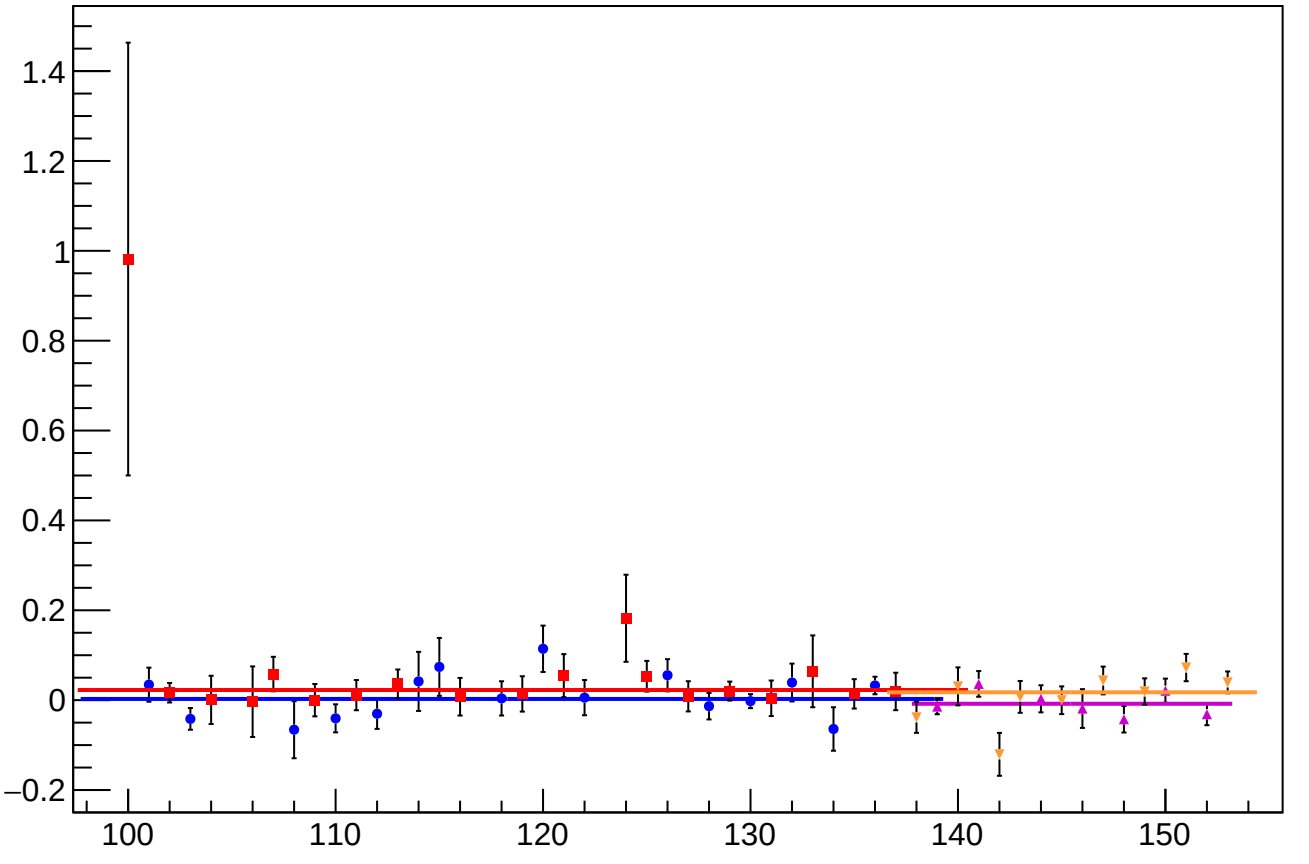
Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:518923.6/6

+ sign 0.001+/-0.000 χ^2/NDF: 1660446.9/24

All: 0.001+/-0.000 χ^2/NDF: 9795772.3/50

- sign 0.001+/-0.000 χ^2/NDF: 6581810.9/25



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.011 χ^2/NDF:16.3/8

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

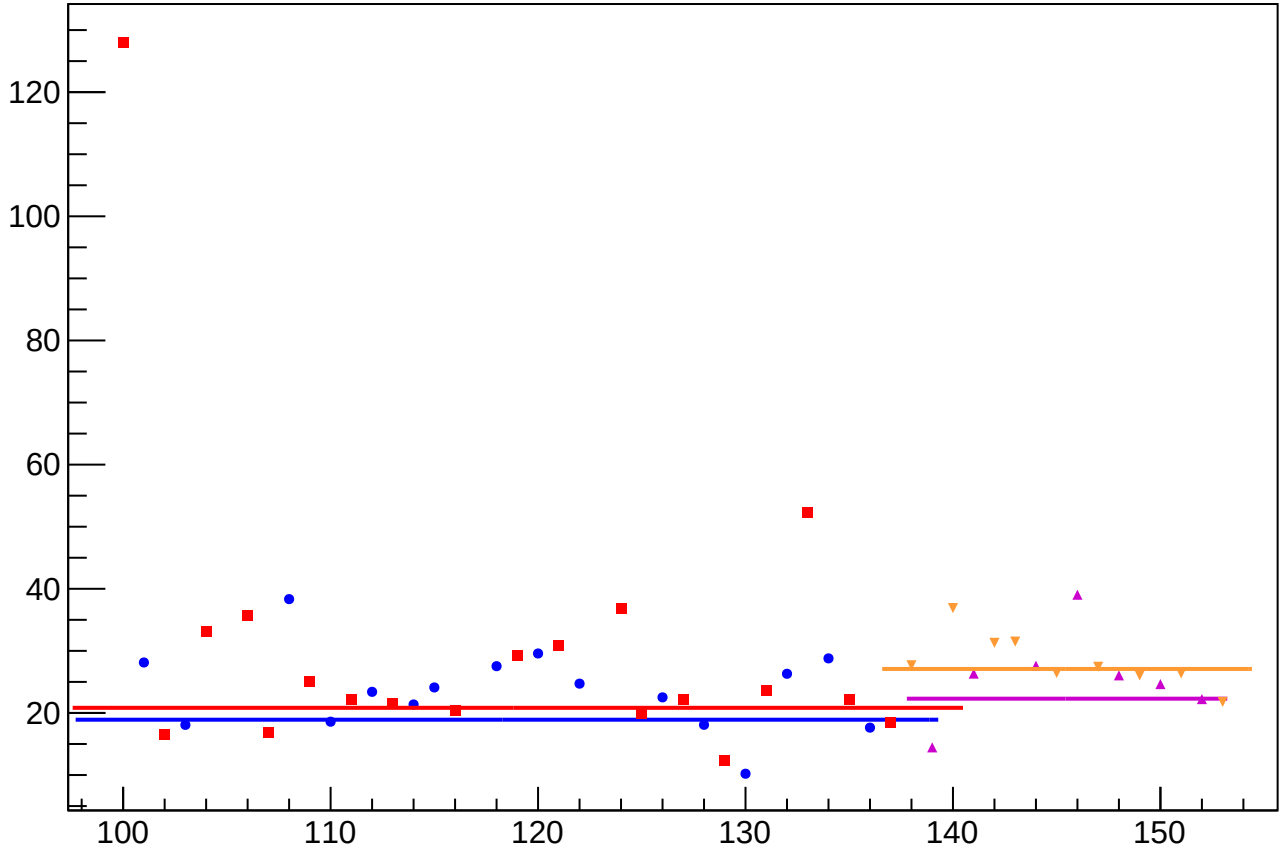
Left In: -0.008+/-0.010 χ^2/NDF:6.2/6

+ sign 0.008+/-0.006 χ^2/NDF: 39.5/24

All: 0.009+/-0.004 χ^2/NDF: 62.1/50

- sign 0.009+/-0.006 χ^2/NDF: 22.6/25

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 27.089+/-0.008 χ^2/NDF:254971.6/8

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

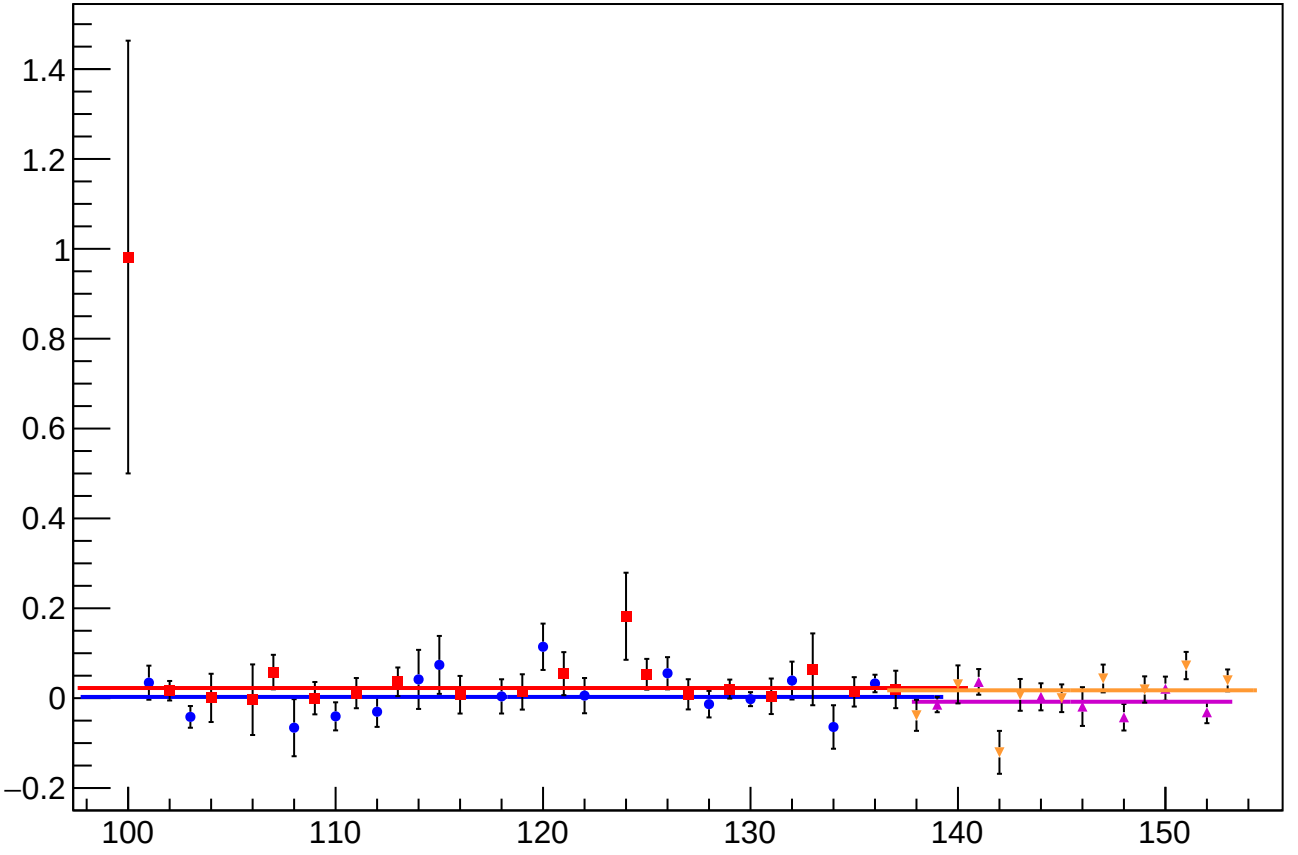
Left In: 22.298+/-0.007 χ^2/NDF:879157.7/6

+ sign 21.740+/-0.004 χ^2/NDF: 2404456.4/24

All: 21.601+/-0.003 χ^2/NDF: 4603181.4/50

- sign 21.459+/-0.005 χ^2/NDF: 2196769.7/25

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.011 χ^2/NDF:16.3/8

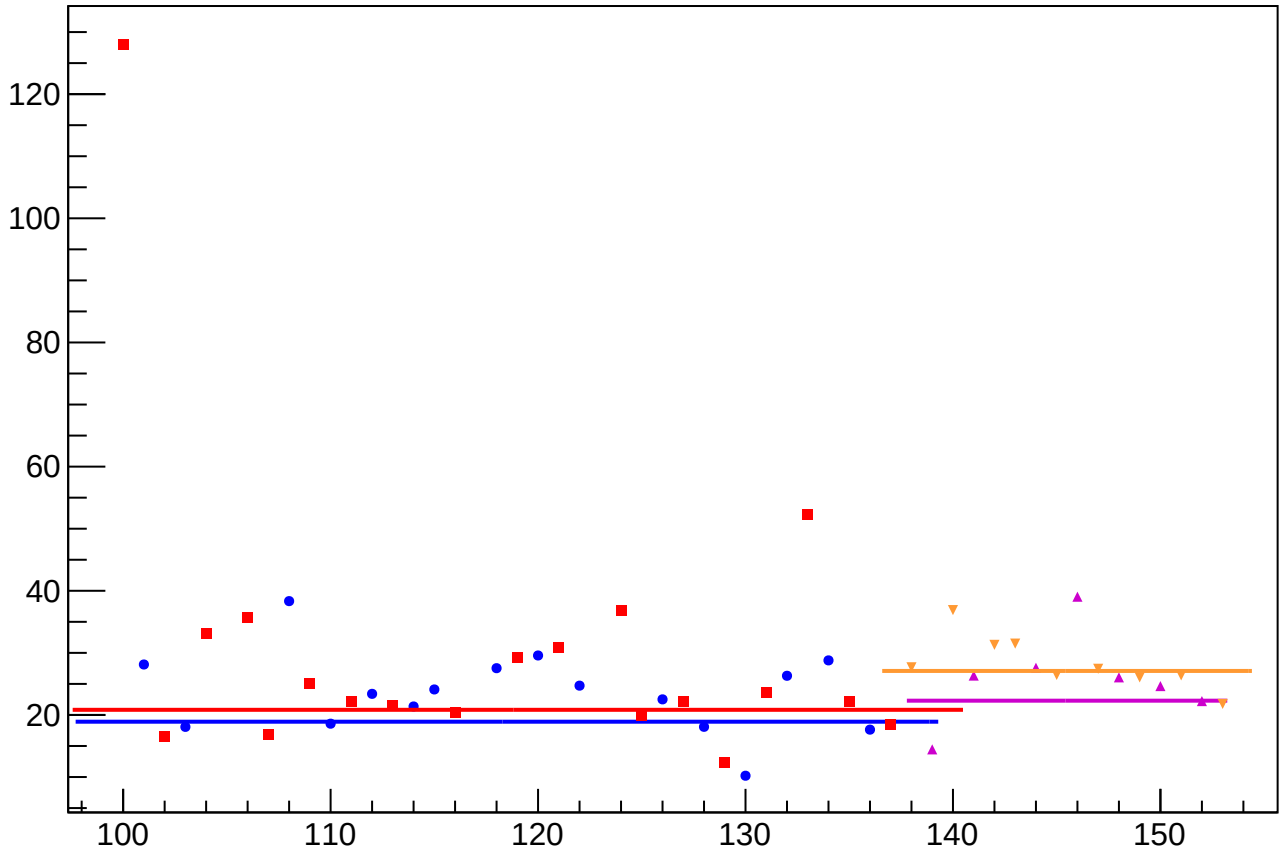
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.008+/-0.010 χ^2/NDF:6.2/6

+ sign 0.008+/-0.006 χ^2/NDF: 39.5/24

All: 0.009+/-0.004 χ^2/NDF: 62.1/50

- sign 0.009+/-0.006 χ^2/NDF: 22.6/25



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 27.089+/-0.008 χ^2/NDF:254971.6/8

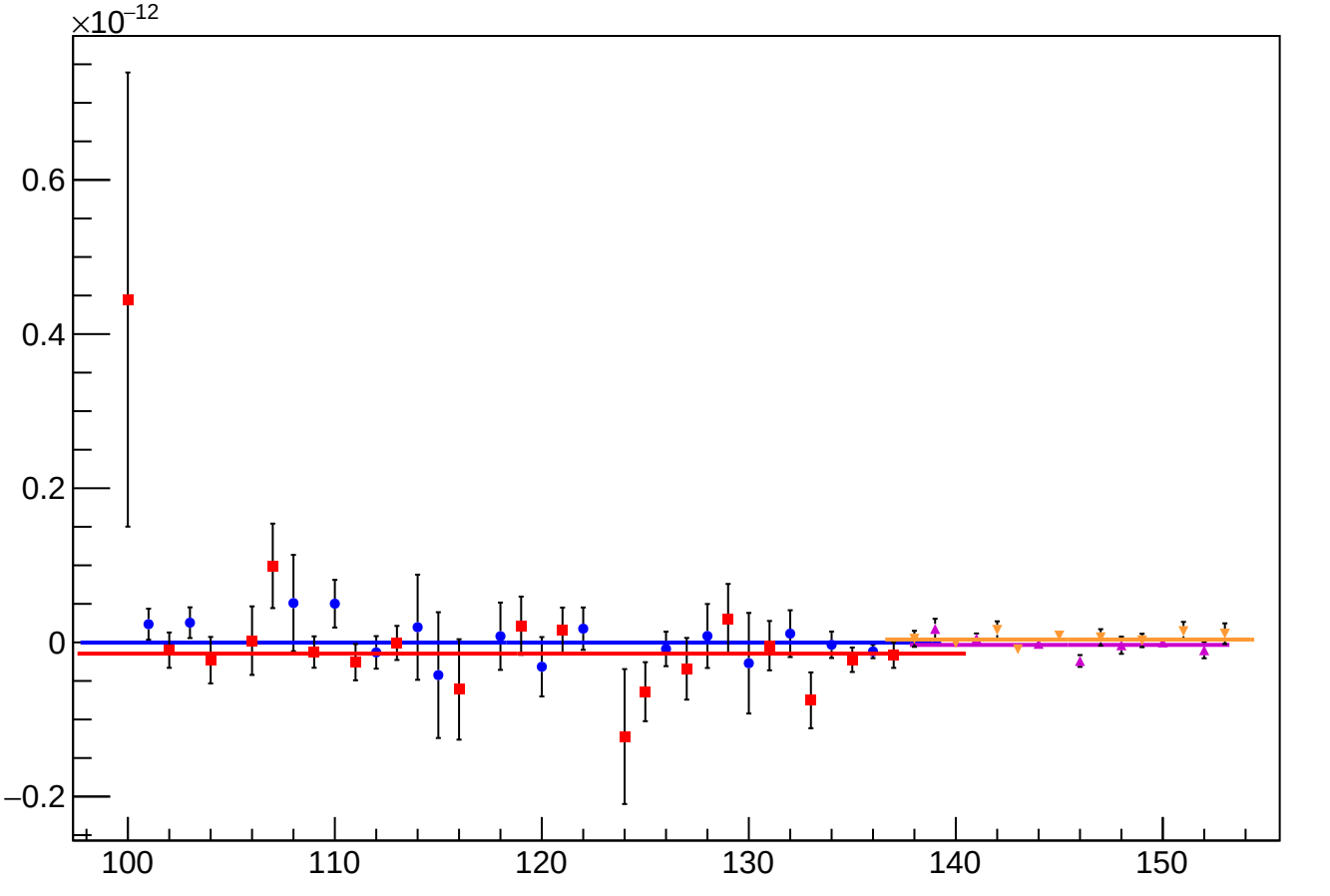
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.298+/-0.007 χ^2/NDF:879157.7/6

+ sign 21.740+/-0.004 χ^2/NDF: 2404456.4/24

All: 21.601+/-0.003 χ^2/NDF: 4603181.4/50

- sign 21.459+/-0.005 χ^2/NDF: 2196769.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/8

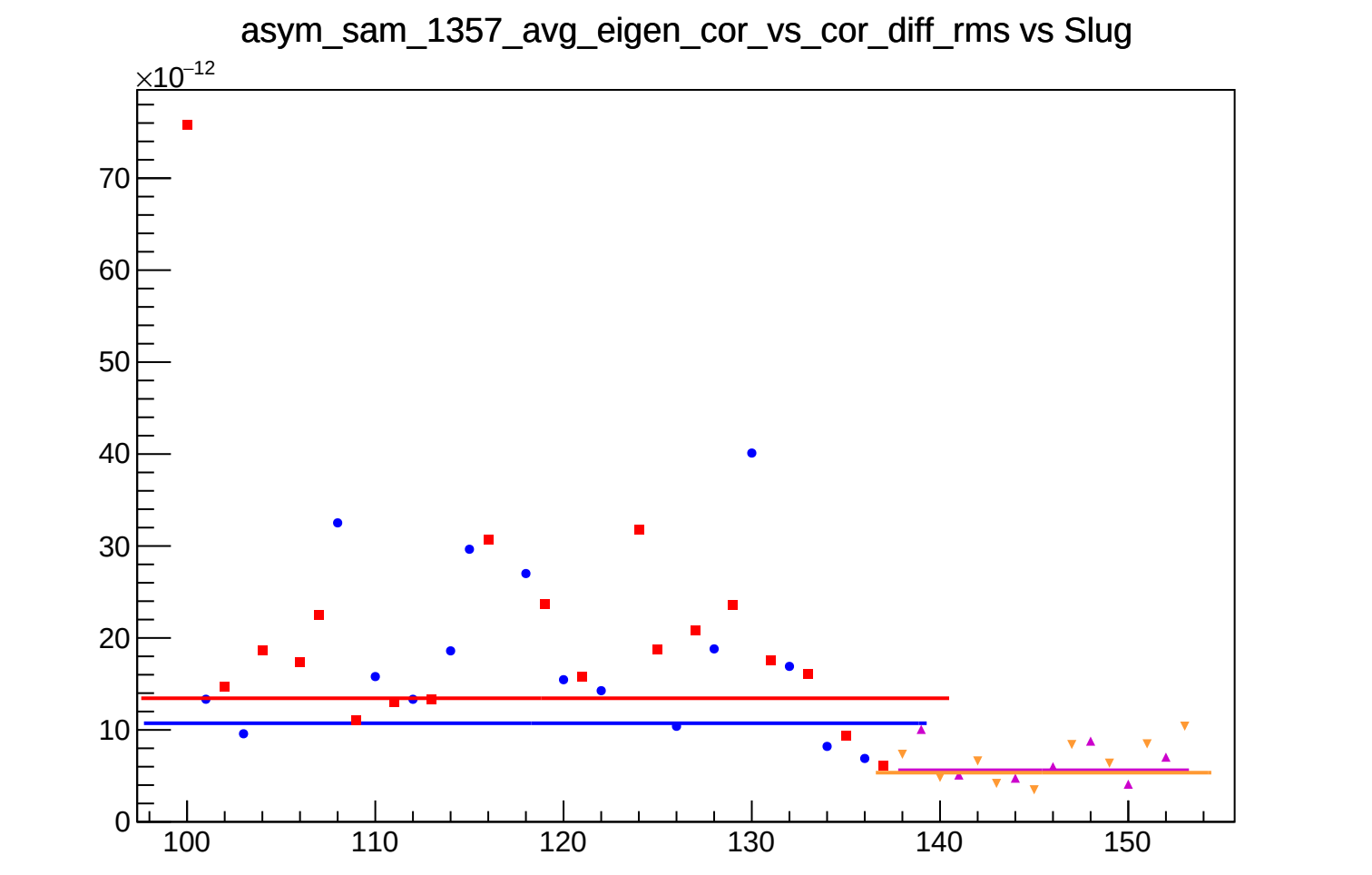
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 18.9/24

All: -0.000+/-0.000 χ^2/NDF: 56.3/50

- sign -0.000+/-0.000 χ^2/NDF: 32.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1073235.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

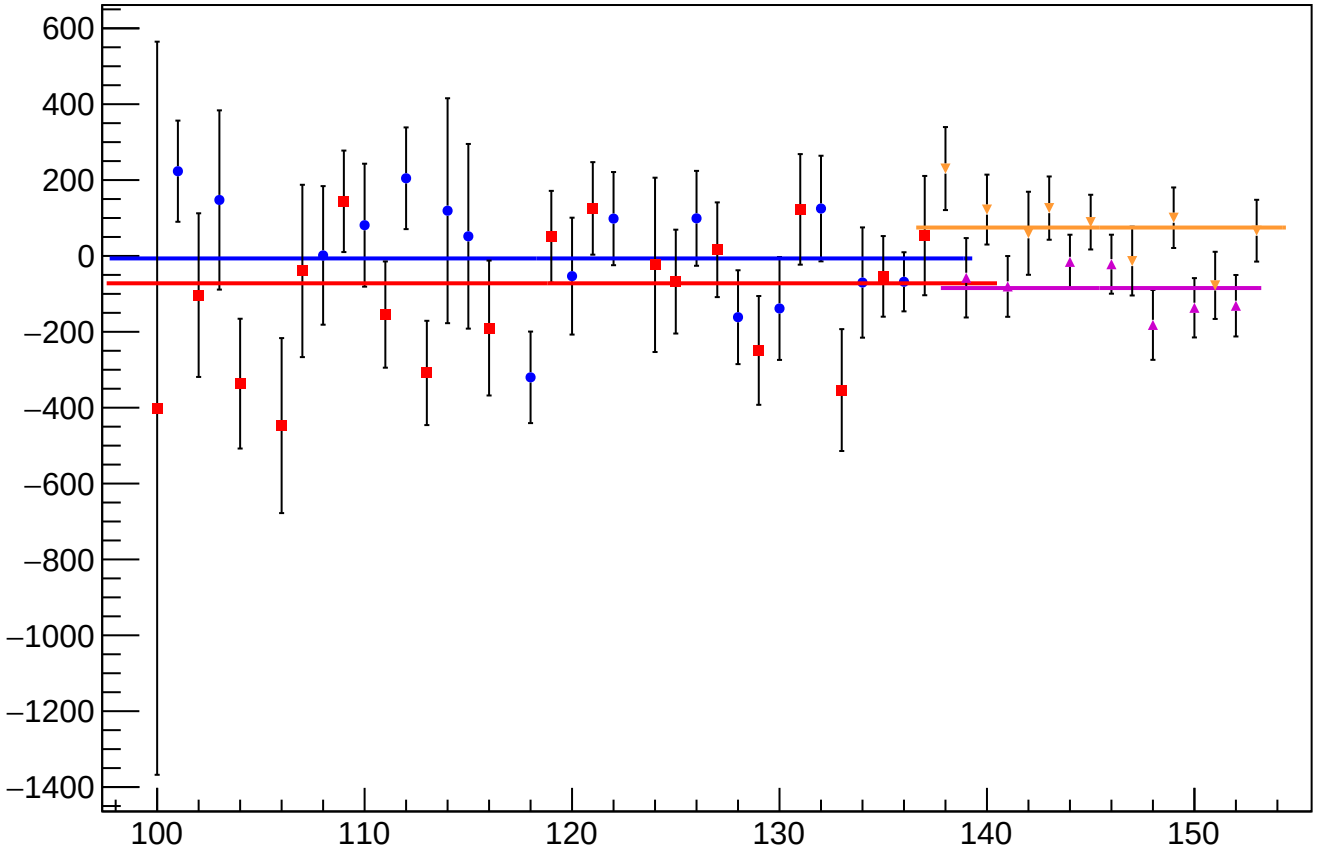
Left In: 0.000+/-0.000 χ^2/NDF:593875.1/6

+ sign 0.000+/-0.000 χ^2/NDF: 4415929.3/24

All: 0.000+/-0.000 χ^2/NDF: 8851935.8/50

- sign 0.000+/-0.000 χ^2/NDF: 4376269.7/25

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 74.878+/-29.137 χ^2/NDF:6.7/8

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

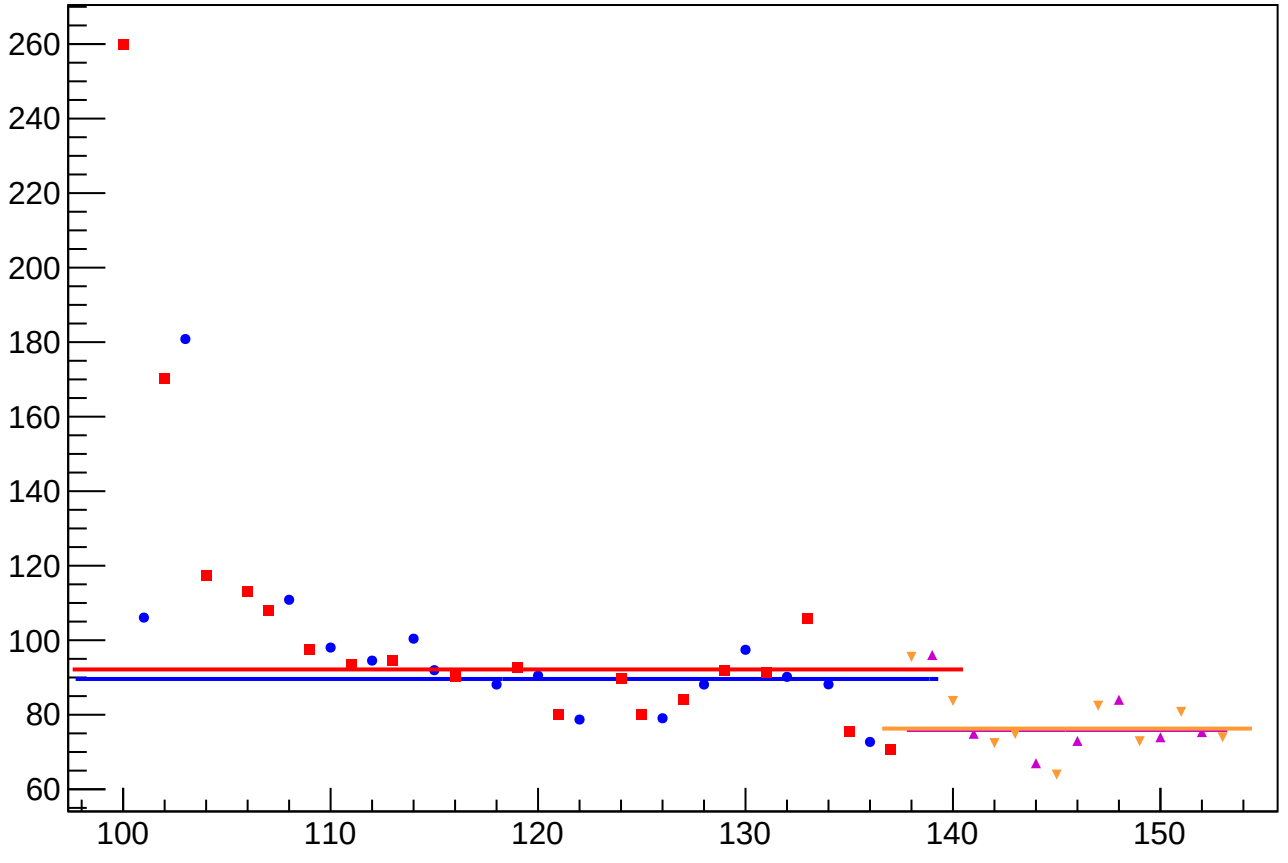
Left In: -84.639+/-30.980 χ^2/NDF:3.5/6

+ sign 40.728+/-22.203 χ^2/NDF: 29.0/24

All: -16.658+/-16.029 χ^2/NDF: 69.3/50

- sign -79.120+/-23.164 χ^2/NDF: 26.4/25

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.286+/-0.021 χ^2/NDF:156177.5/8

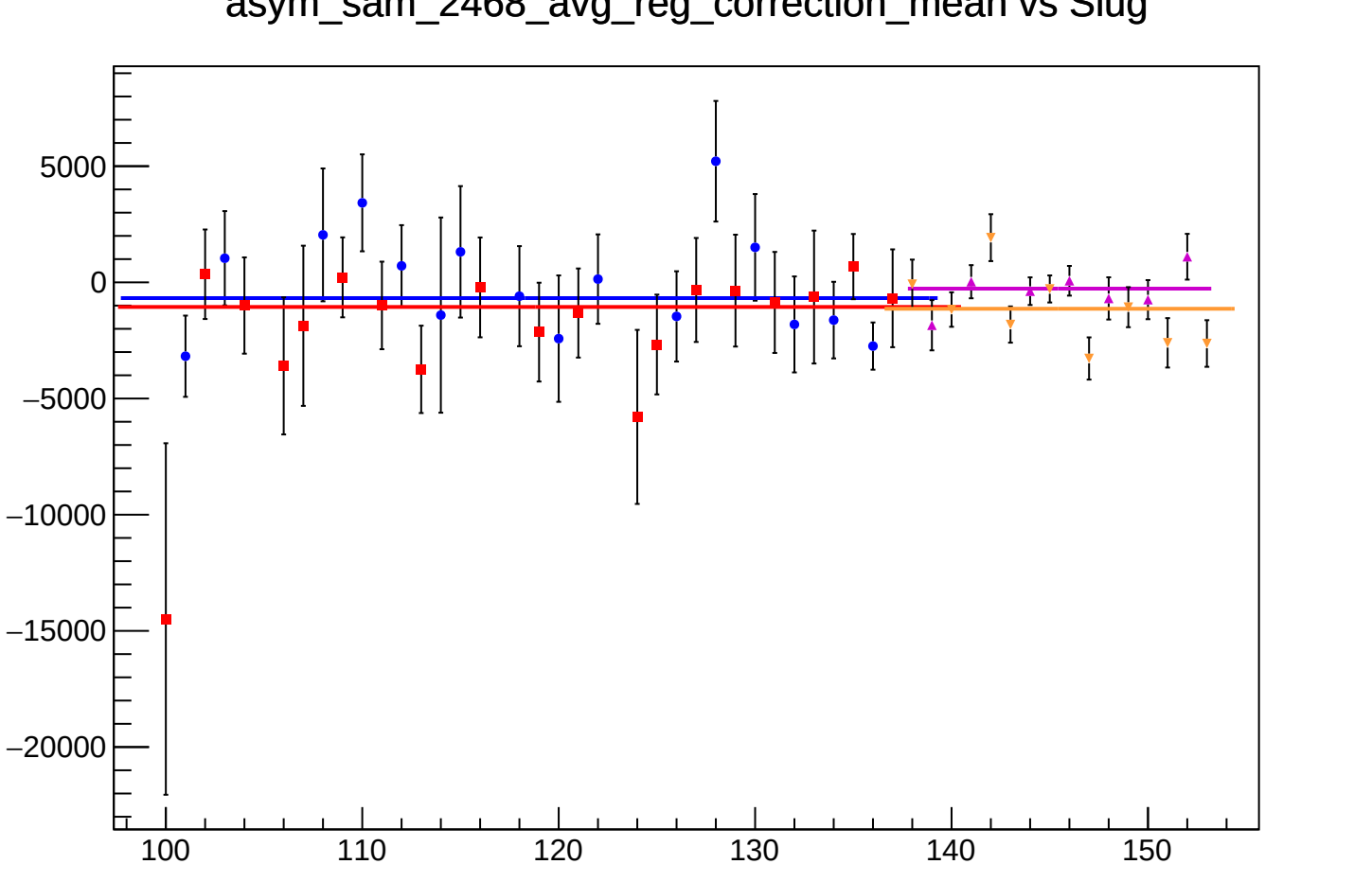
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.916+/-0.022 χ^2/NDF:125057.3/6

+ sign 81.871+/-0.016 χ^2/NDF: 829768.4/24

All: 82.449+/-0.011 χ^2/NDF: 1742227.4/50

- sign 83.079+/-0.016 χ^2/NDF: 909621.3/25



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1136.631+/-280.324 χ^2/NDF:22.8/8

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

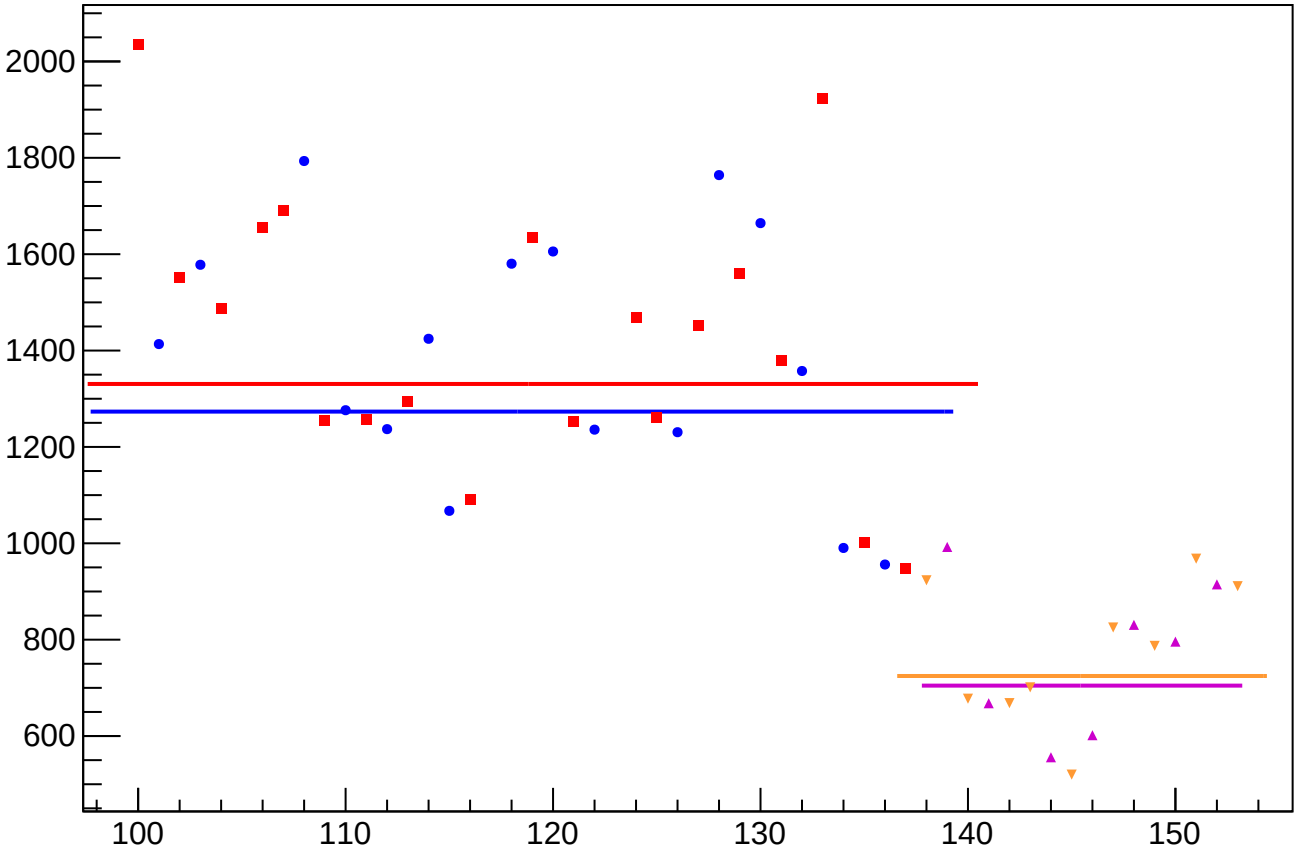
Left In: -270.816+/-291.644 χ^2/NDF:5.1/6

+ sign -1022.153+/-242.886 χ^2/NDF: 43.7/24

All: -757.105+/-174.695 χ^2/NDF: 64.6/50

- sign -473.035+/-251.450 χ^2/NDF: 18.4/25

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 724.633+/-0.198 χ^2/NDF:542874.3/8

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

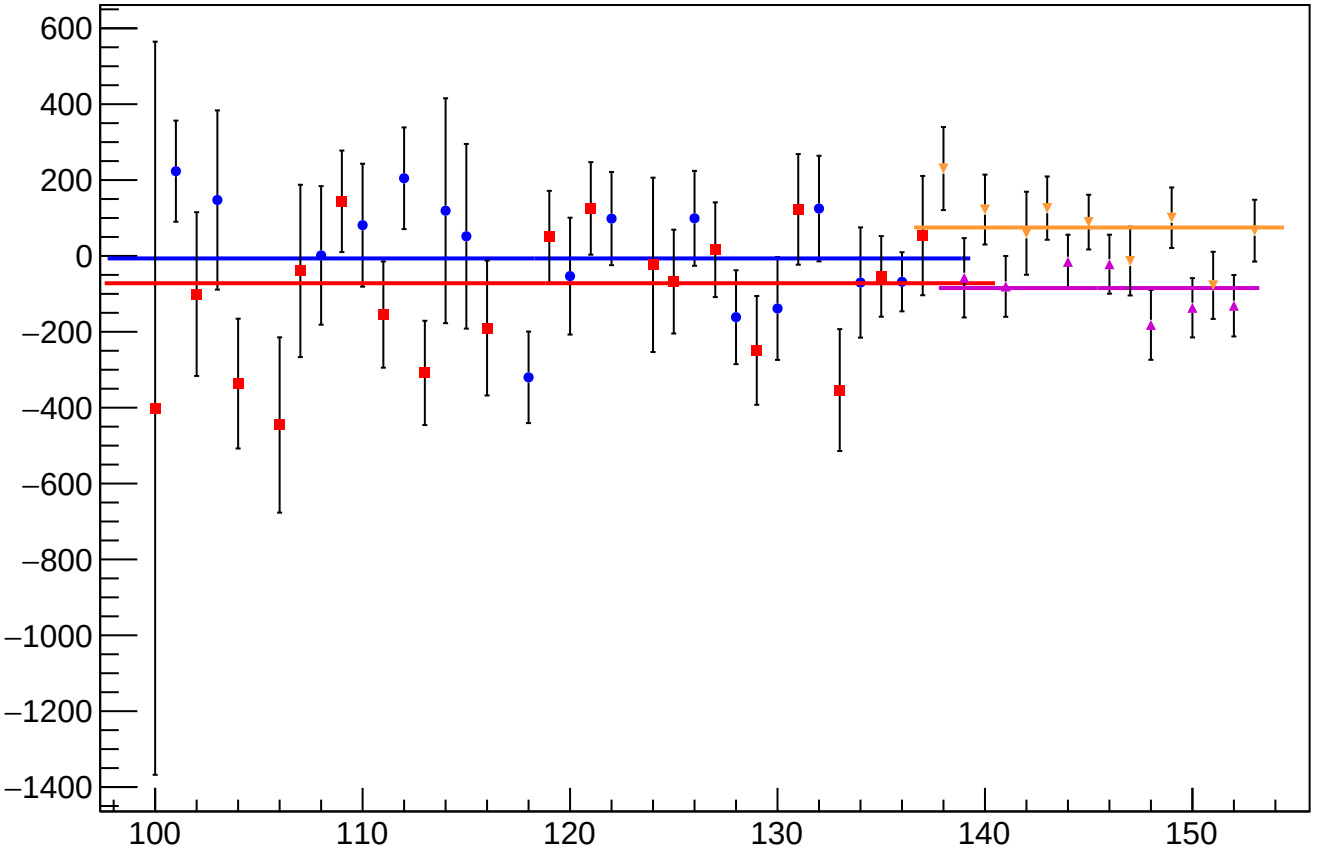
Left In: 704.644+/-0.206 χ^2/NDF:477238.2/6

+ sign 861.406+/-0.172 χ^2/NDF: 3050418.4/24

All: 863.292+/-0.124 χ^2/NDF: 6363736.3/50

- sign 865.312+/-0.178 χ^2/NDF: 3313068.3/25

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 74.888+/-29.137 χ^2/NDF:6.7/8

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

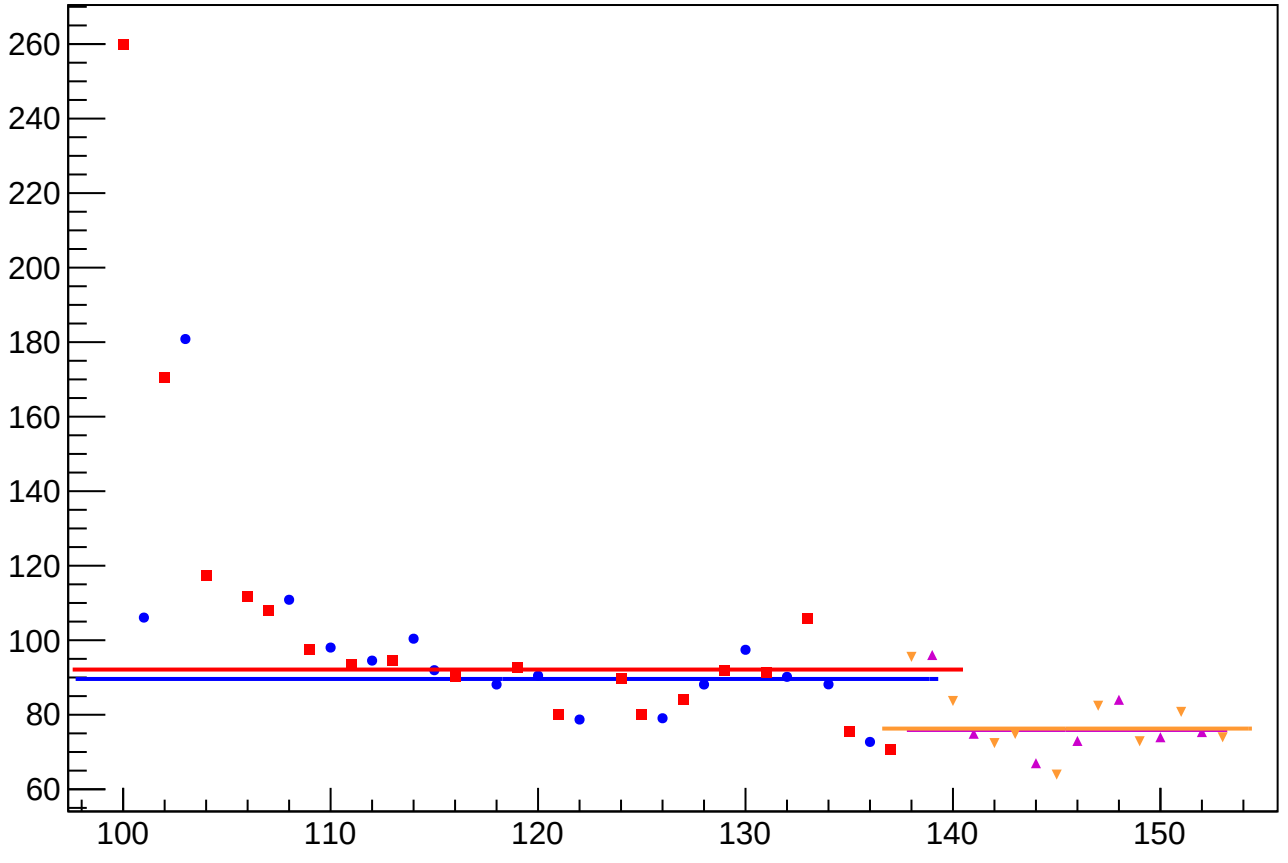
Left In: -84.642+/-30.980 χ^2/NDF:3.5/6

+ sign 40.730+/-22.203 χ^2/NDF: 29.0/24

All: -16.626+/-16.029 χ^2/NDF: 69.3/50

- sign -79.059+/-23.164 χ^2/NDF: 26.4/25

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.286+/-0.021 χ^2/NDF:156177.5/8

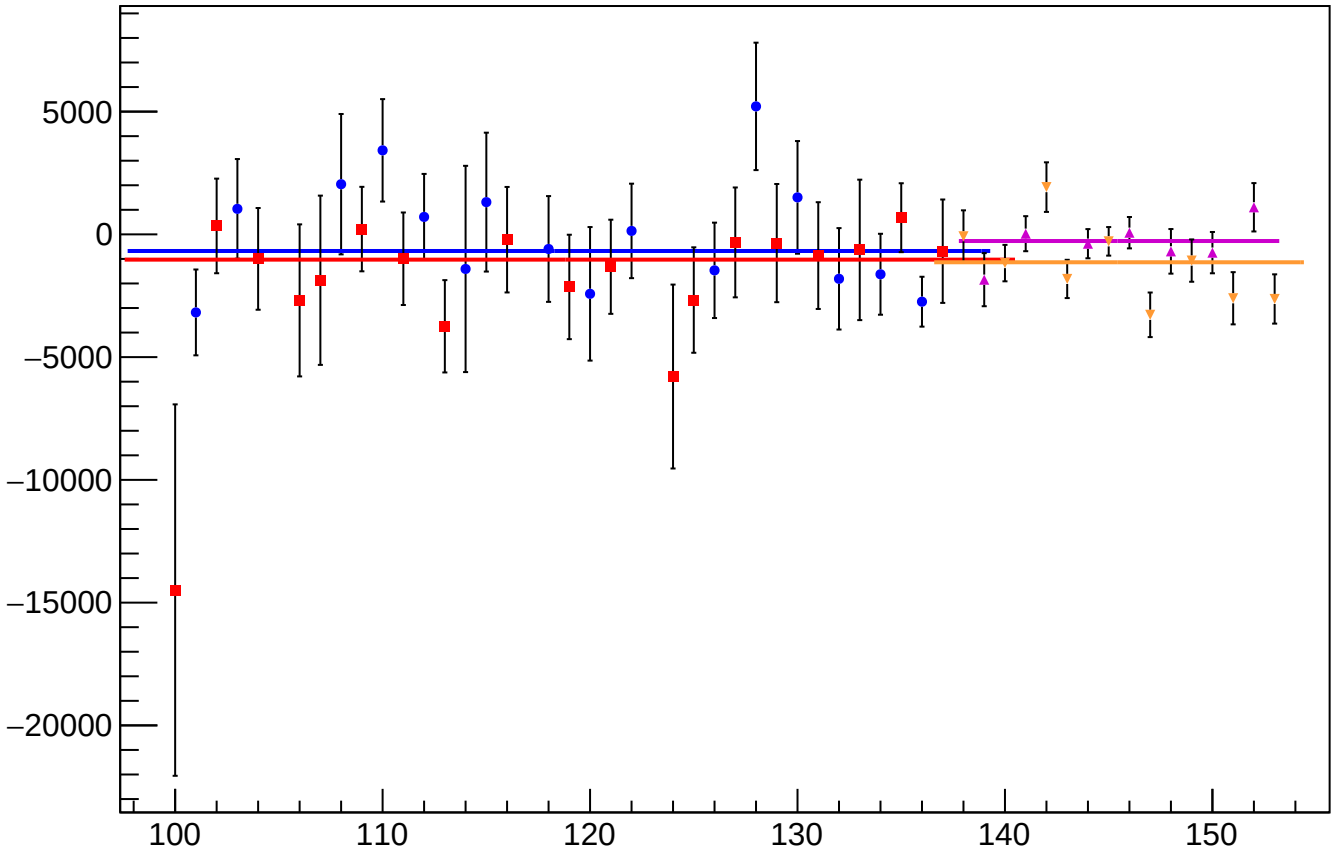
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.916+/-0.022 χ^2/NDF:125057.3/6

\+ sign 81.871+/-0.016 χ^2/NDF: 829771.9/24

All: 82.443+/-0.011 χ^2/NDF: 1739434.5/50

\- sign 83.065+/-0.016 χ^2/NDF: 906892.4/25



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1136.622+/-280.324 χ^2/NDF:22.8/8

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

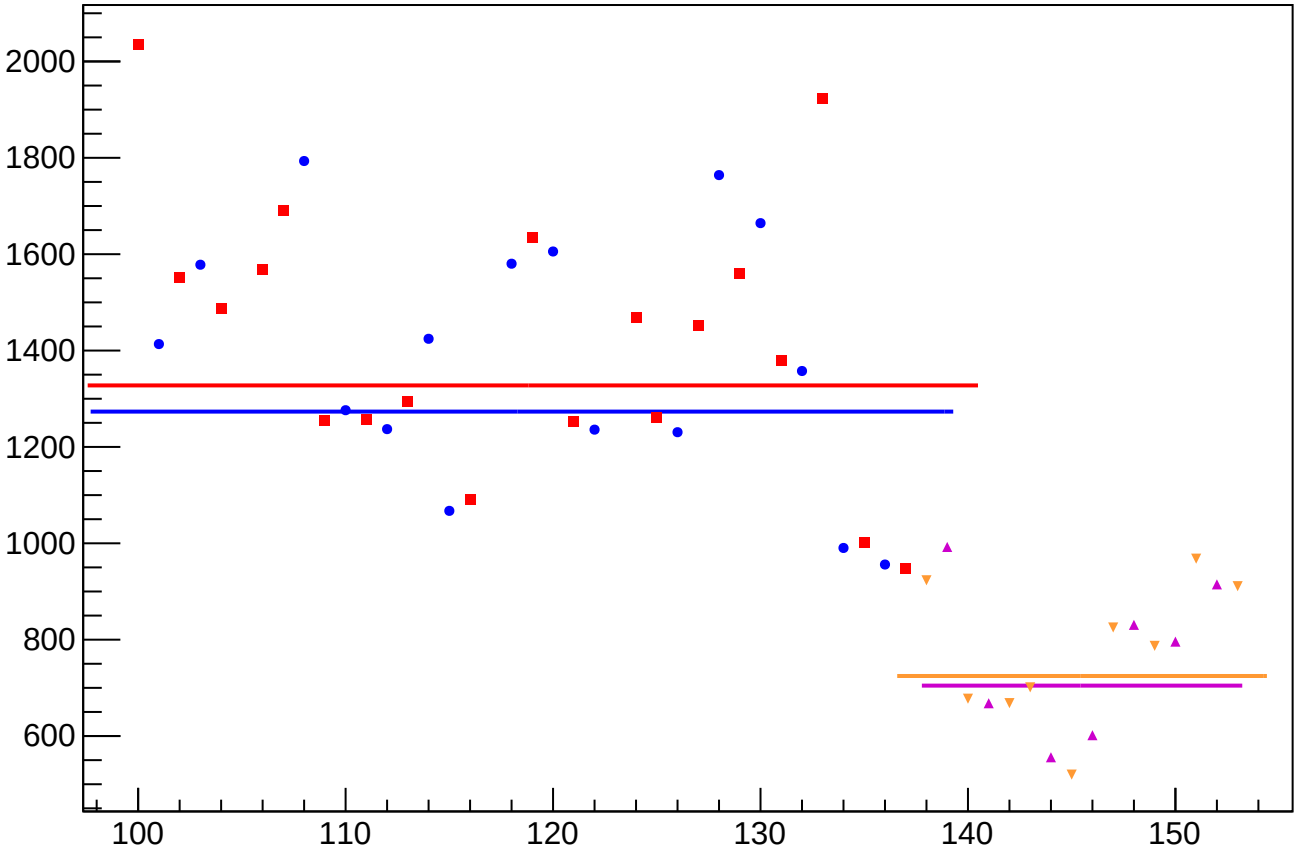
Left In: -270.823+/-291.644 χ^2/NDF:5.1/6

+ sign -1022.138+/-242.886 χ^2/NDF: 43.7/24

All: -753.370+/-174.724 χ^2/NDF: 64.0/50

- sign -465.115+/-251.537 χ^2/NDF: 17.8/25

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 724.633+/-0.198 χ^2/NDF:542877.2/8

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

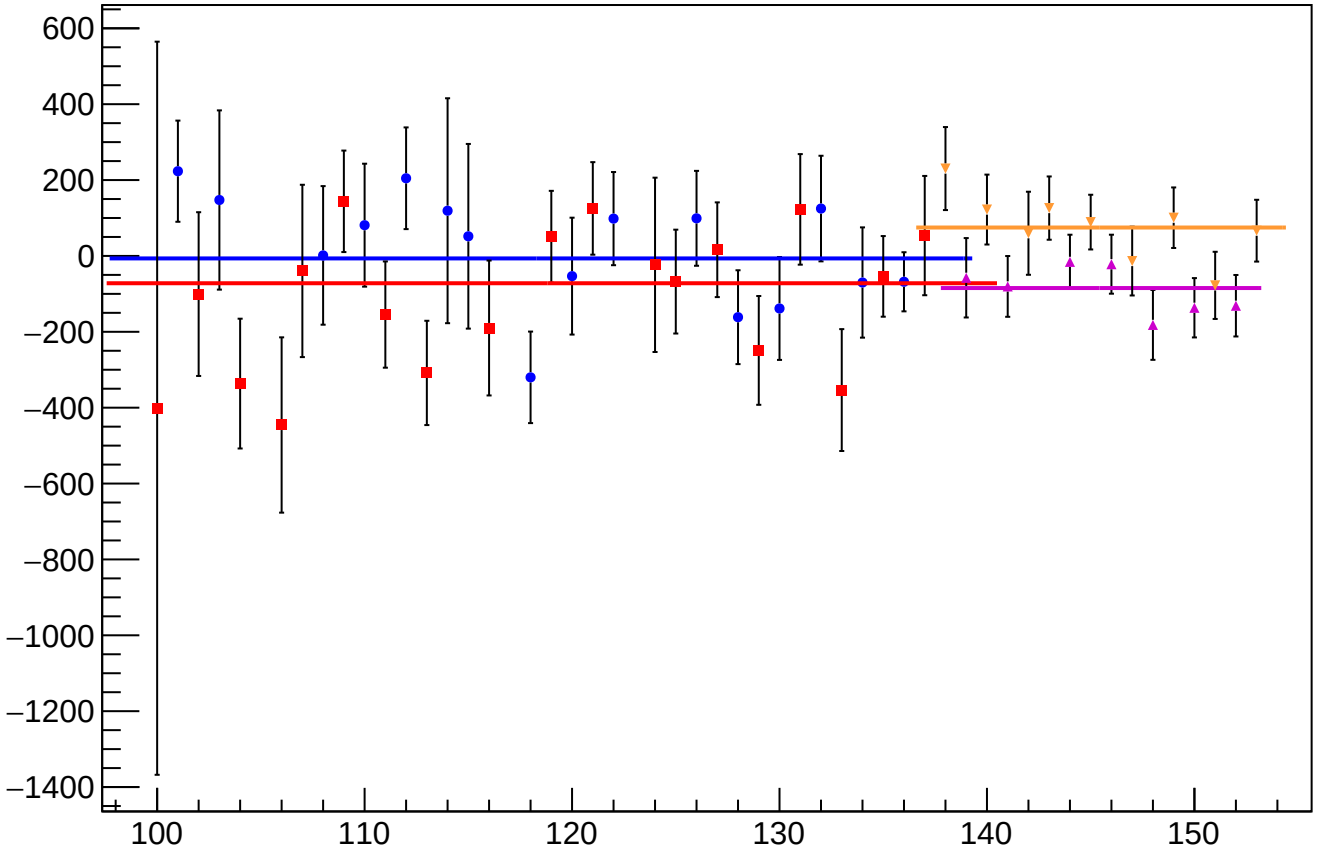
Left In: 704.645+/-0.206 χ^2/NDF:477237.2/6

+ sign 861.406+/-0.172 χ^2/NDF: 3050464.4/24

All: 862.763+/-0.124 χ^2/NDF: 6323975.4/50

- sign 864.217+/-0.178 χ^2/NDF: 3273381.8/25

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 74.888+/-29.137 χ^2/NDF:6.7/8

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

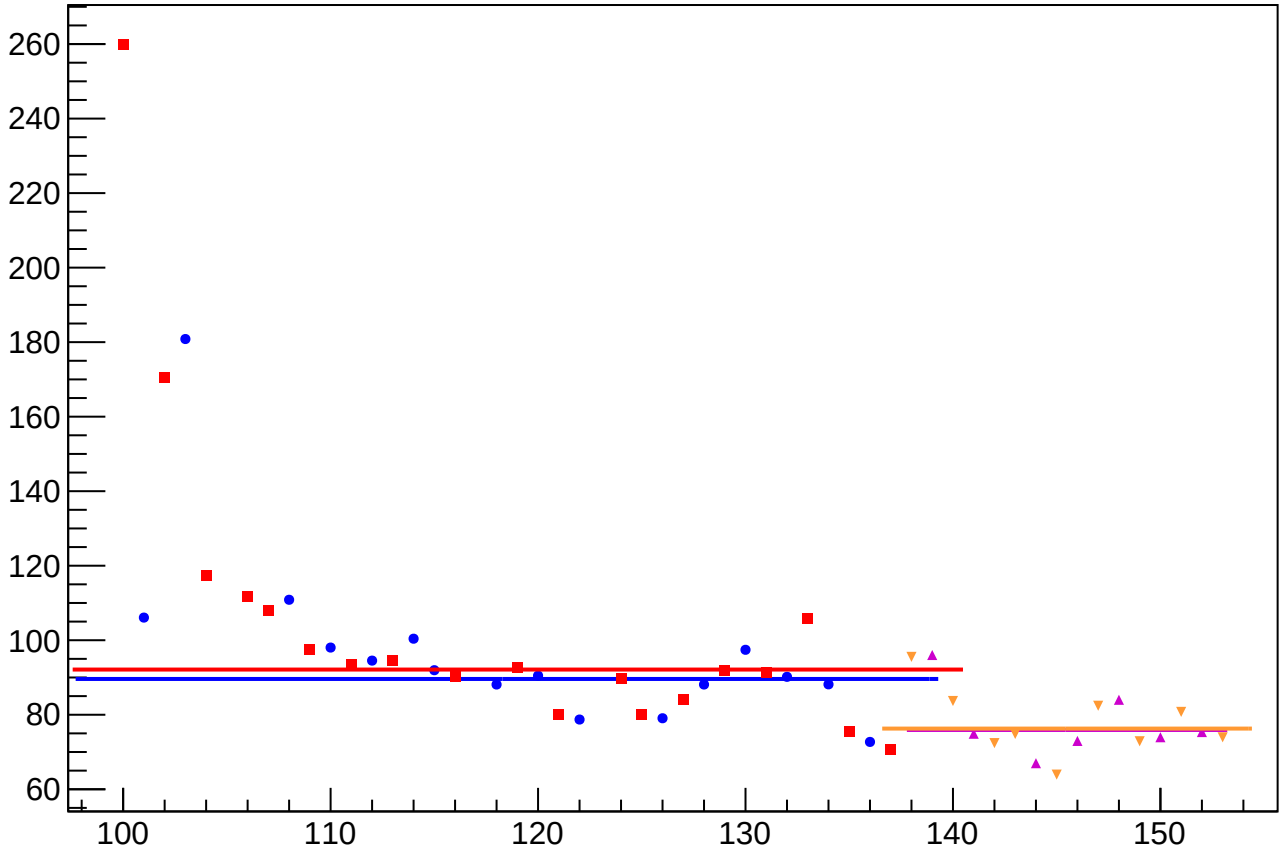
Left In: -84.642+/-30.980 χ^2/NDF:3.5/6

+ sign 40.730+/-22.203 χ^2/NDF: 29.0/24

All: -16.626+/-16.029 χ^2/NDF: 69.3/50

- sign -79.059+/-23.164 χ^2/NDF: 26.4/25

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.286+/-0.021 χ^2/NDF:156177.5/8

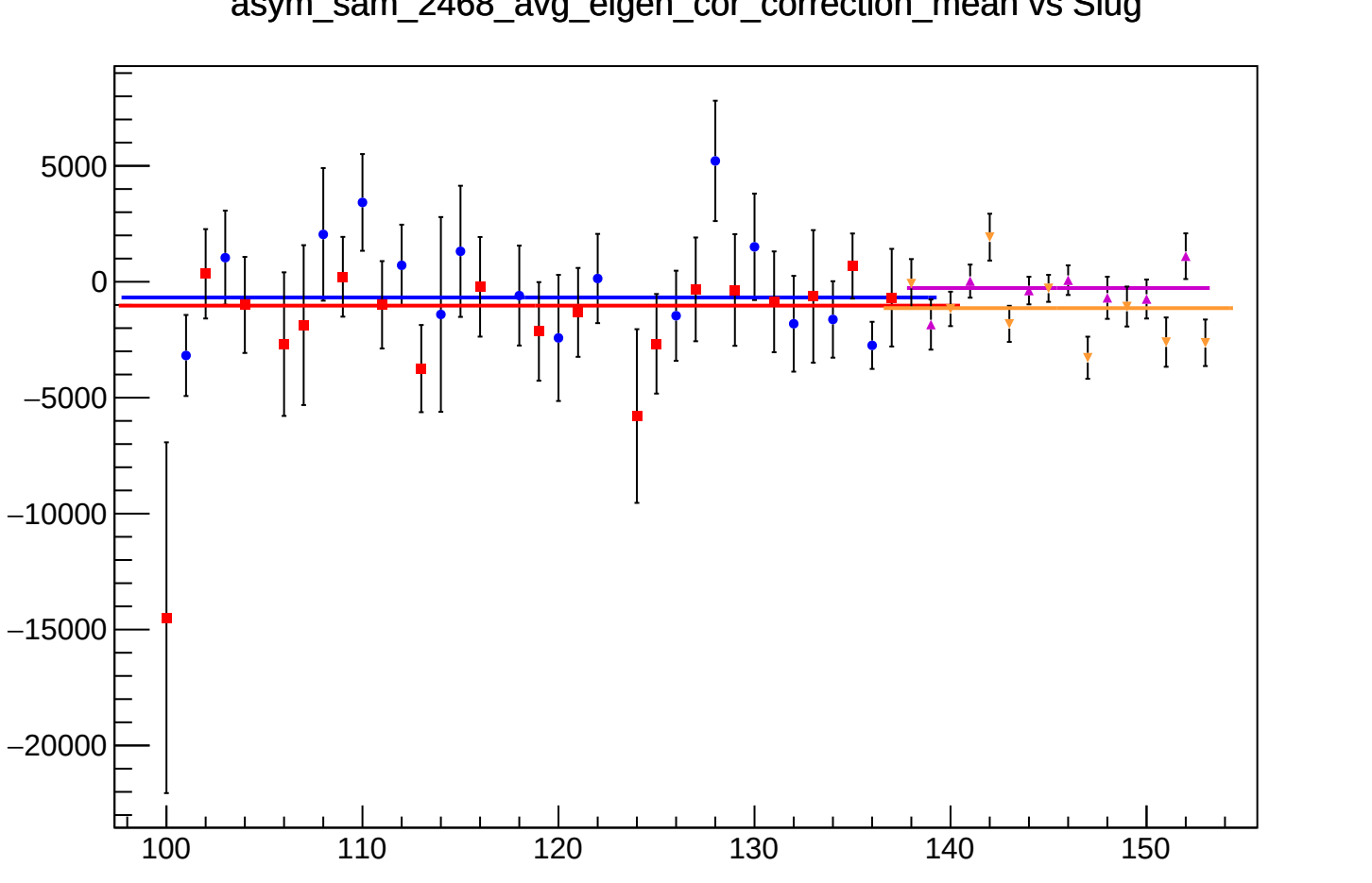
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.916+/-0.022 χ^2/NDF:125057.3/6

+ sign 81.871+/-0.016 χ^2/NDF: 829771.9/24

All: 82.443+/-0.011 χ^2/NDF: 1739434.5/50

- sign 83.065+/-0.016 χ^2/NDF: 906892.4/25



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1136.622+/-280.324 χ^2/NDF:22.8/8

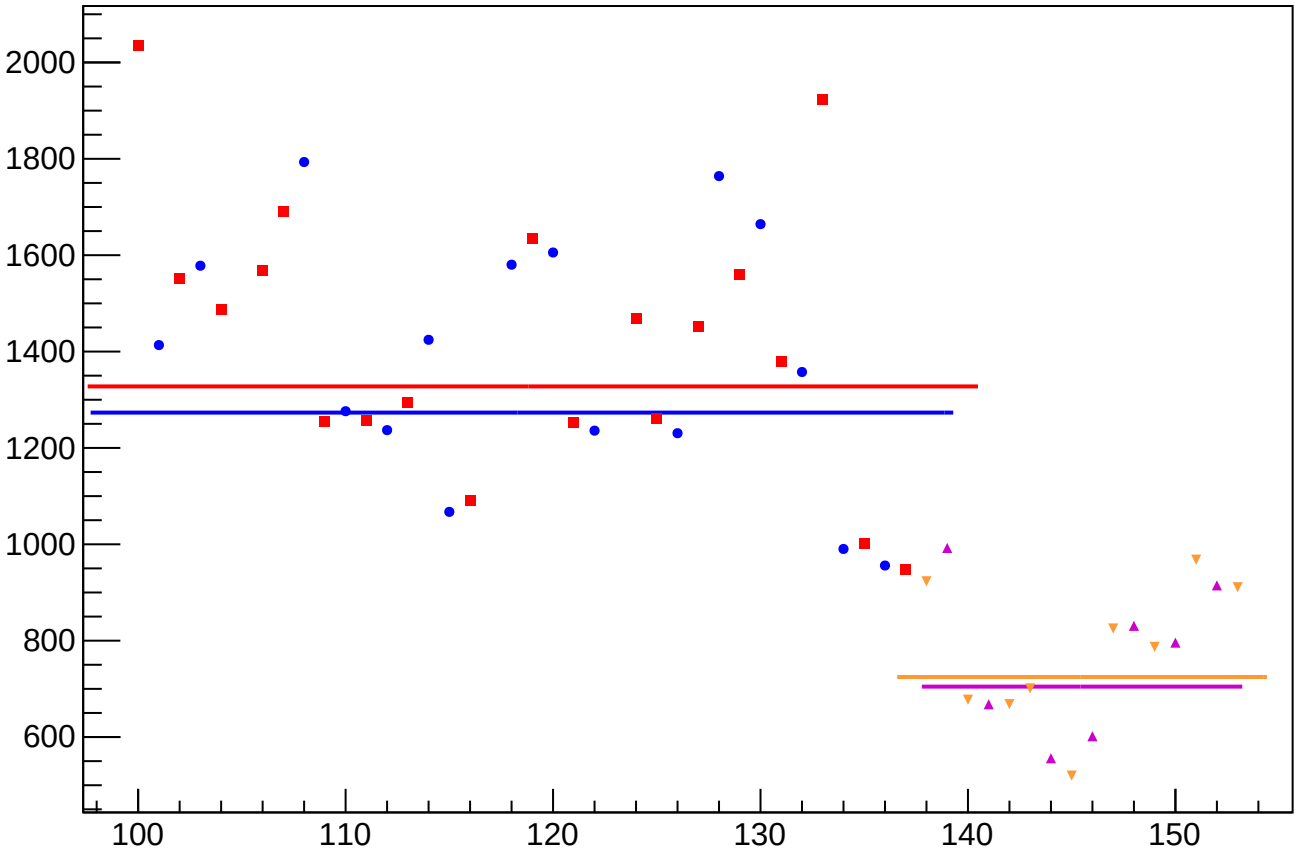
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -270.823+/-291.644 χ^2/NDF:5.1/6

+ sign -1022.138+/-242.886 χ^2/NDF: 43.7/24

All: -753.370+/-174.724 χ^2/NDF: 64.0/50

- sign -465.115+/-251.537 χ^2/NDF: 17.8/25



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 724.633+/-0.198 χ^2/NDF:542877.2/8

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

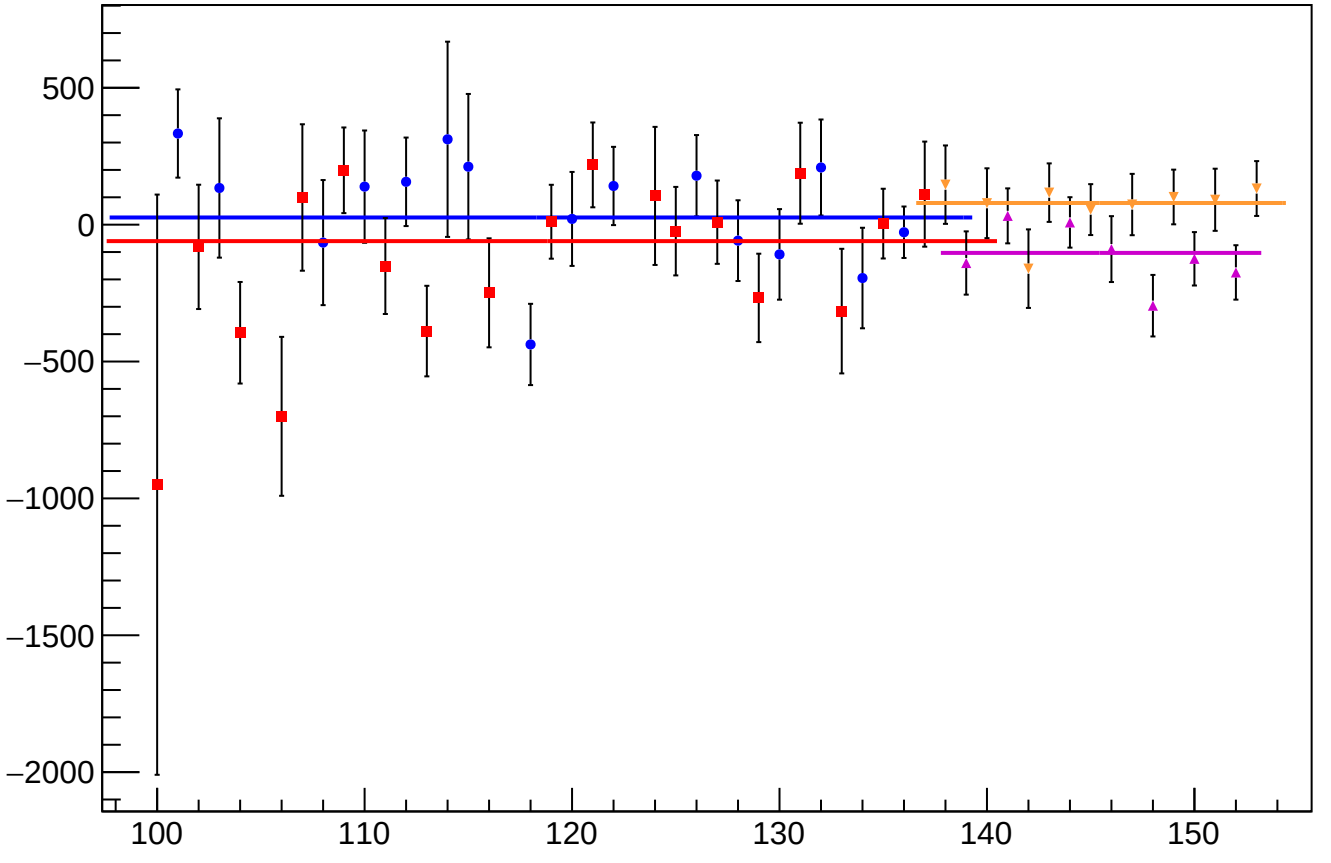
Left In: 704.645+/-0.206 χ^2/NDF:477237.2/6

+ sign 861.406+/-0.172 χ^2/NDF: 3050464.4/24

All: 862.763+/-0.124 χ^2/NDF: 6323975.4/50

- sign 864.217+/-0.178 χ^2/NDF: 3273381.8/25

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 79.188+/-37.288 χ^2/NDF:3.5/8

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

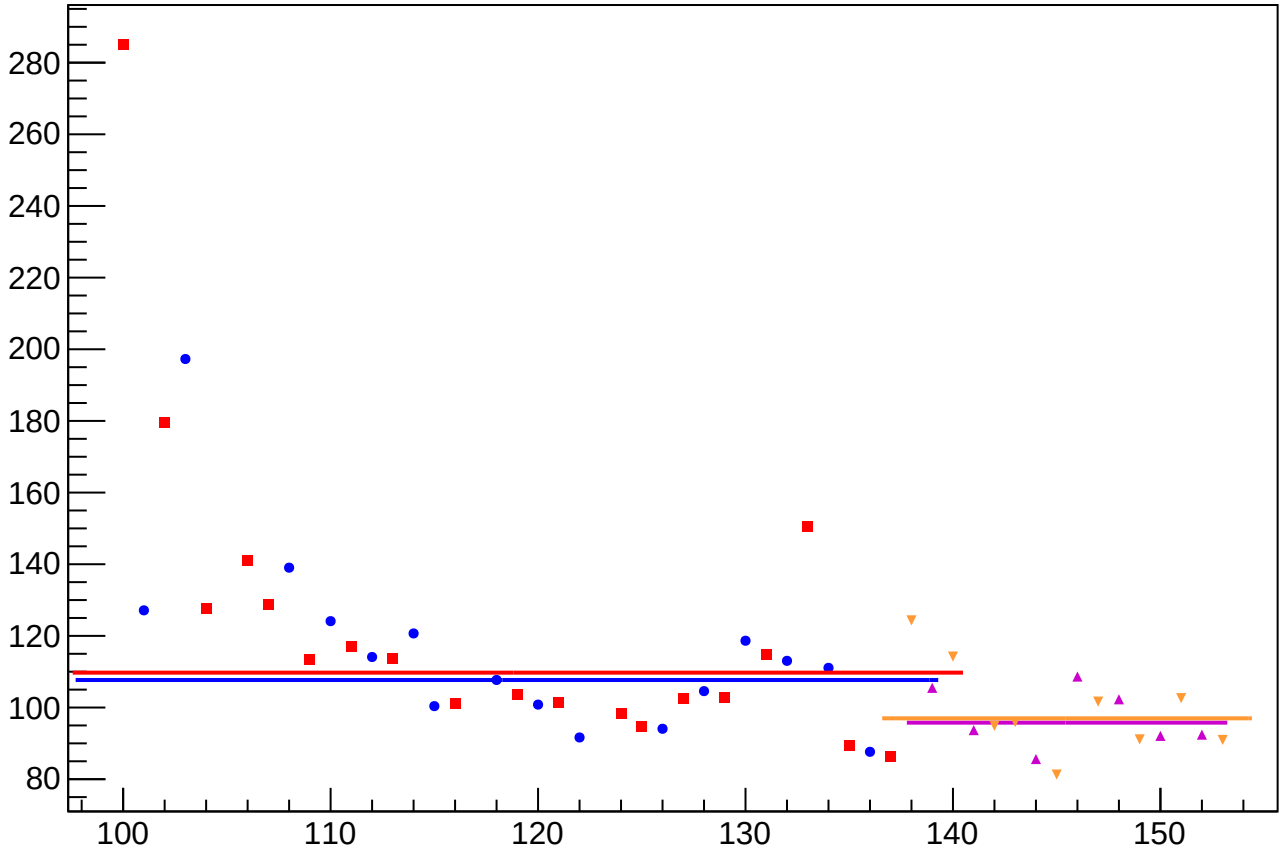
Left In: -103.152+/-39.333 χ^2/NDF:6.9/6

+ sign 55.364+/-27.652 χ^2/NDF: 25.8/24

All: -11.496+/-19.865 χ^2/NDF: 72.4/50

- sign -82.803+/-28.557 χ^2/NDF: 34.5/25

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 96.989+/-0.026 χ^2/NDF:189597.0/8

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

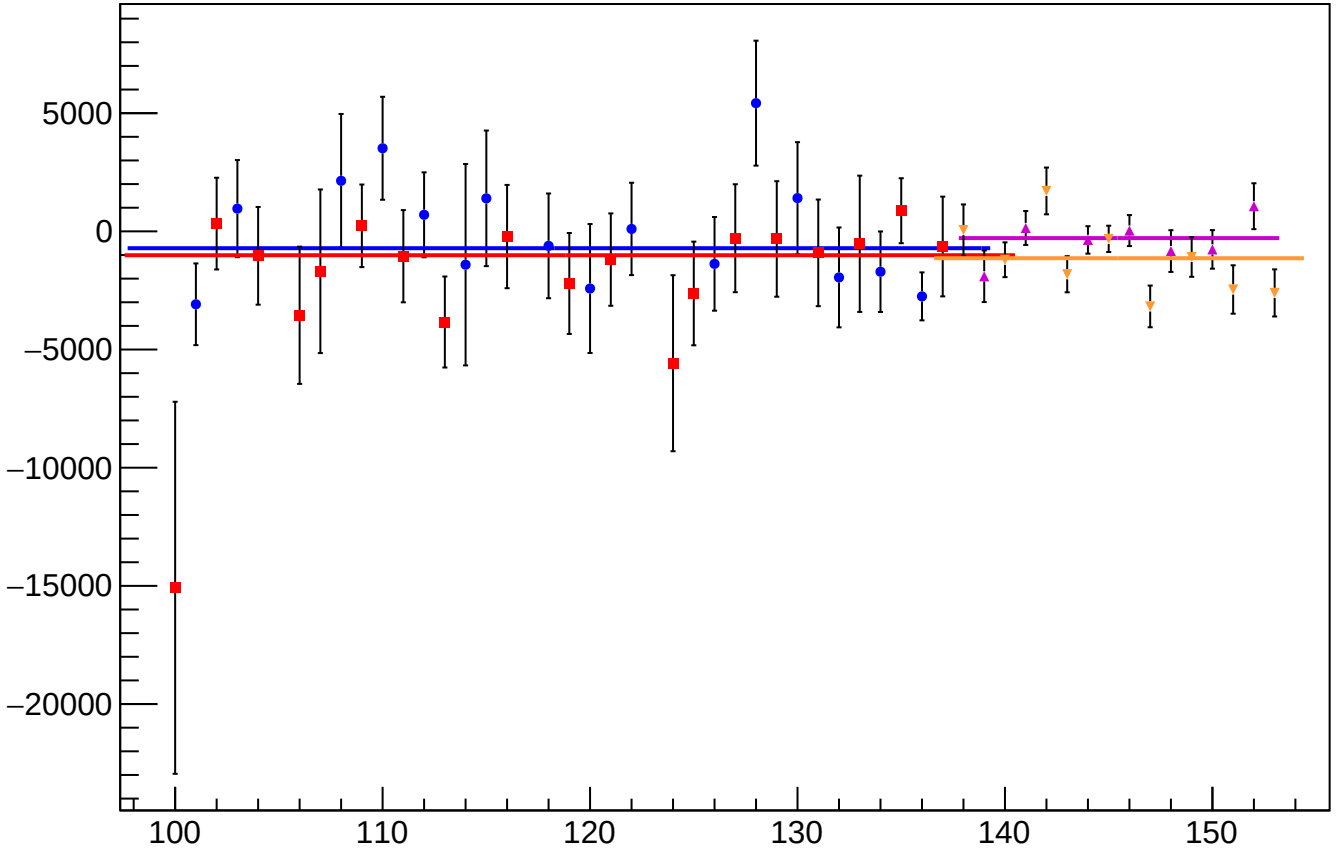
Left In: 95.782+/-0.028 χ^2/NDF:74046.8/6

\+ sign 101.800+/-0.020 χ^2/NDF: 746718.4/24

All: 102.082+/-0.014 χ^2/NDF: 1432061.2/50

\- sign 102.382+/-0.020 χ^2/NDF: 684913.6/25

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1136.748+/-273.903 χ^2/NDF:21.6/8

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

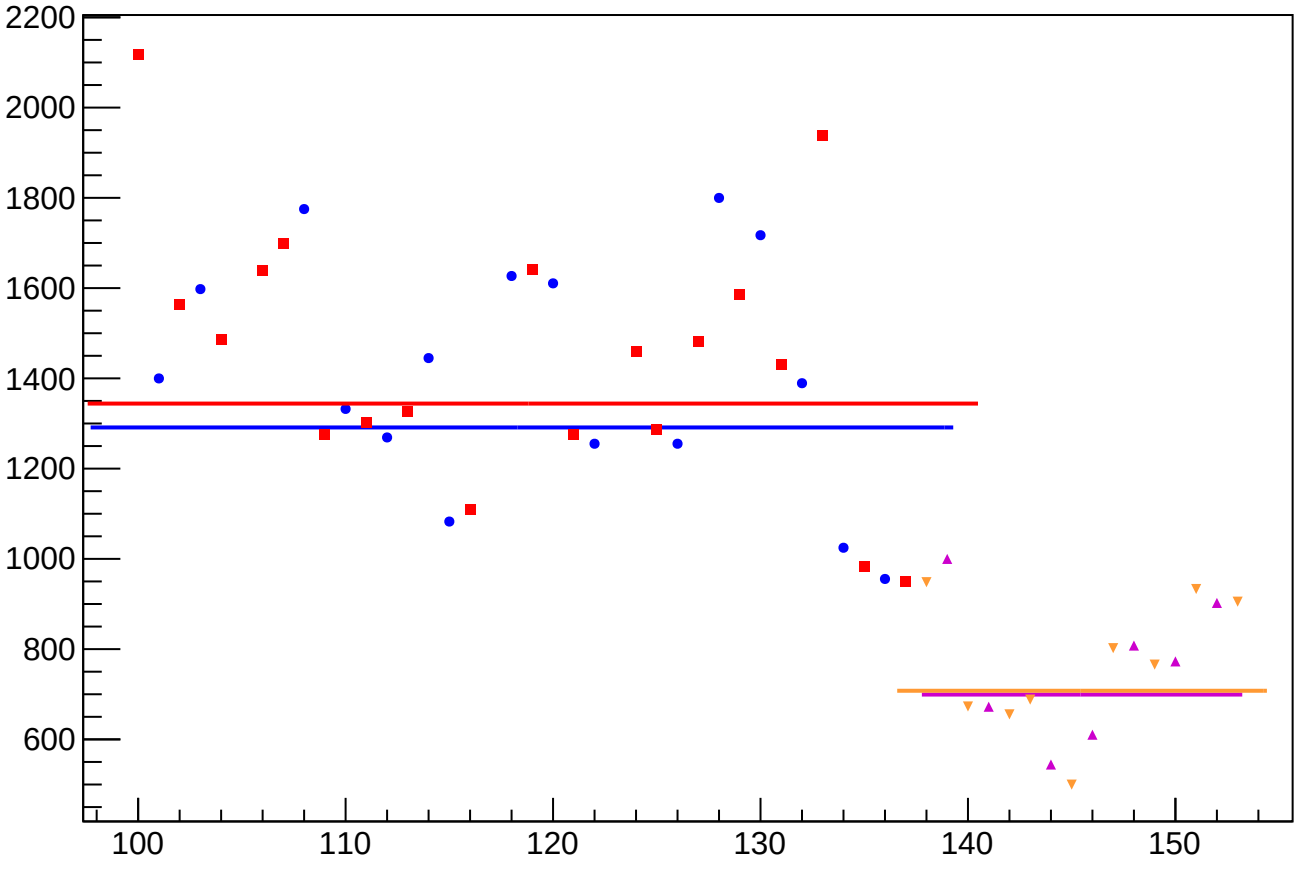
Left In: -286.051+/-289.689 χ^2/NDF:5.5/6

+ sign -1036.852+/-239.460 χ^2/NDF: 42.3/24

All: -765.317+/-173.204 χ^2/NDF: 63.8/50

- sign -467.384+/-250.830 χ^2/NDF: 18.8/25

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 707.754+/-0.194 χ^2/NDF:597062.6/8

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

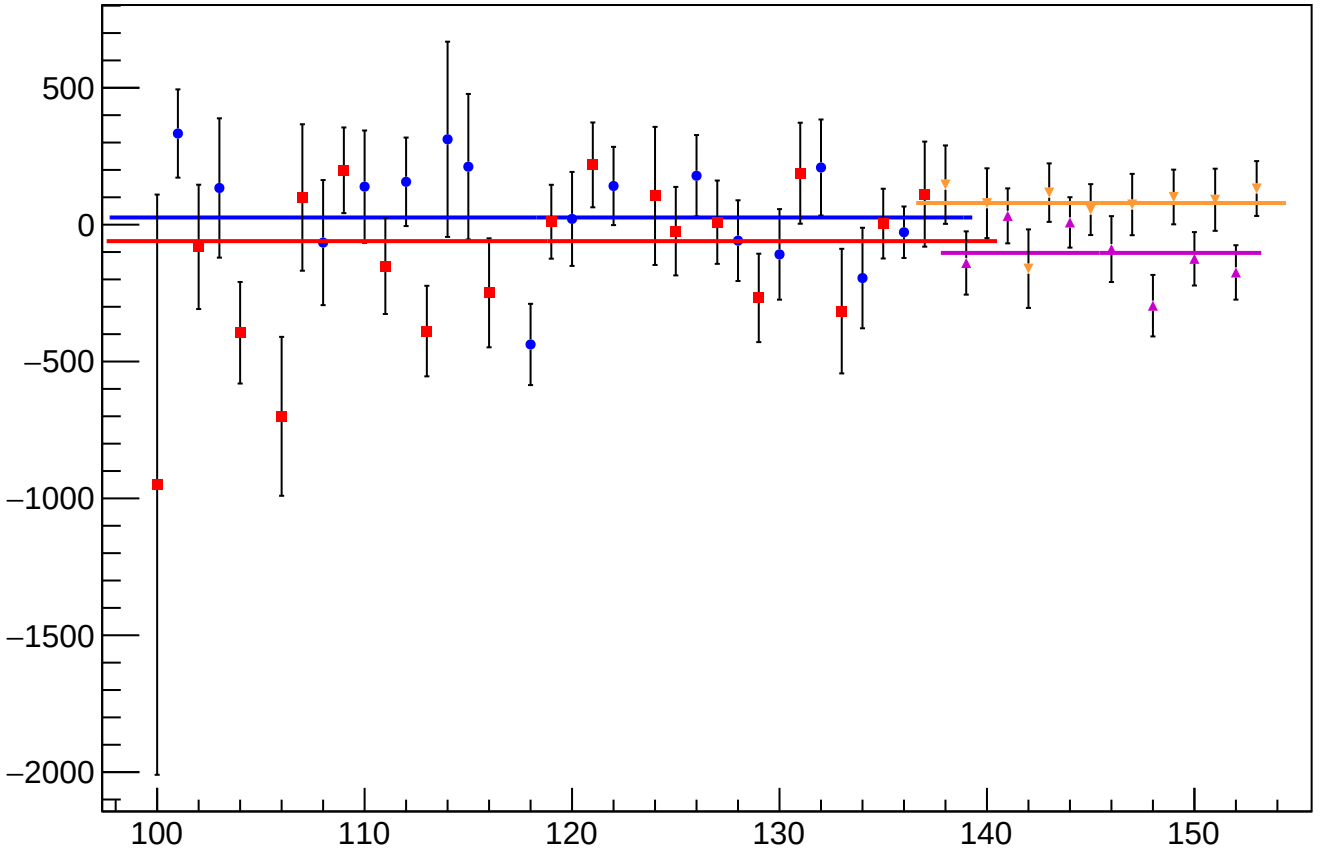
Left In: 699.330+/-0.205 χ^2/NDF:468053.1/6

+ sign 845.268+/-0.169 χ^2/NDF: 3346905.7/24

All: 852.632+/-0.122 χ^2/NDF: 6789800.2/50

- sign 860.711+/-0.177 χ^2/NDF: 3438928.0/25

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 79.188+/-37.288 χ^2/NDF:3.5/8

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

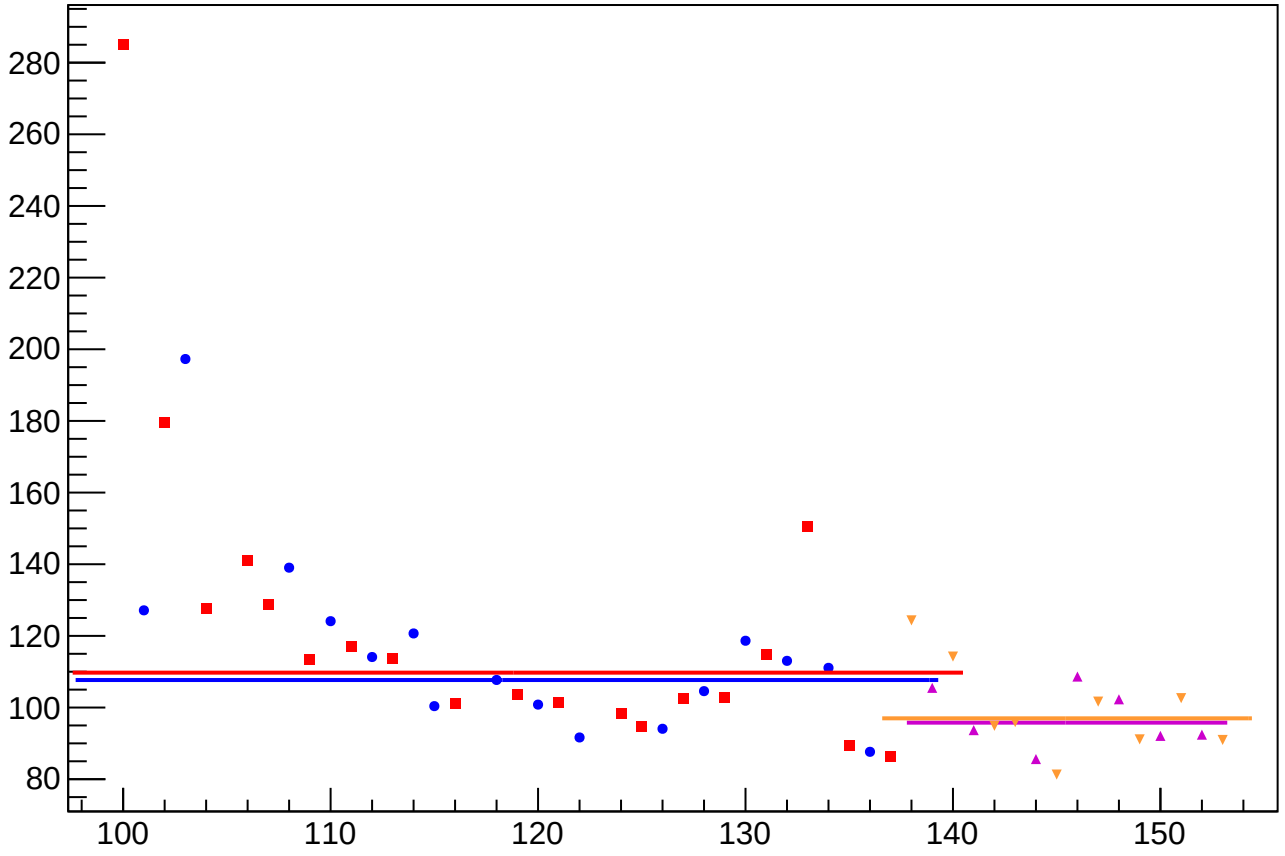
Left In: -103.153+/-39.333 χ^2/NDF:6.9/6

+ sign 55.364+/-27.652 χ^2/NDF: 25.8/24

All: -11.496+/-19.865 χ^2/NDF: 72.4/50

- sign -82.802+/-28.557 χ^2/NDF: 34.5/25

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 96.989+/-0.026 χ^2/NDF:189584.7/8

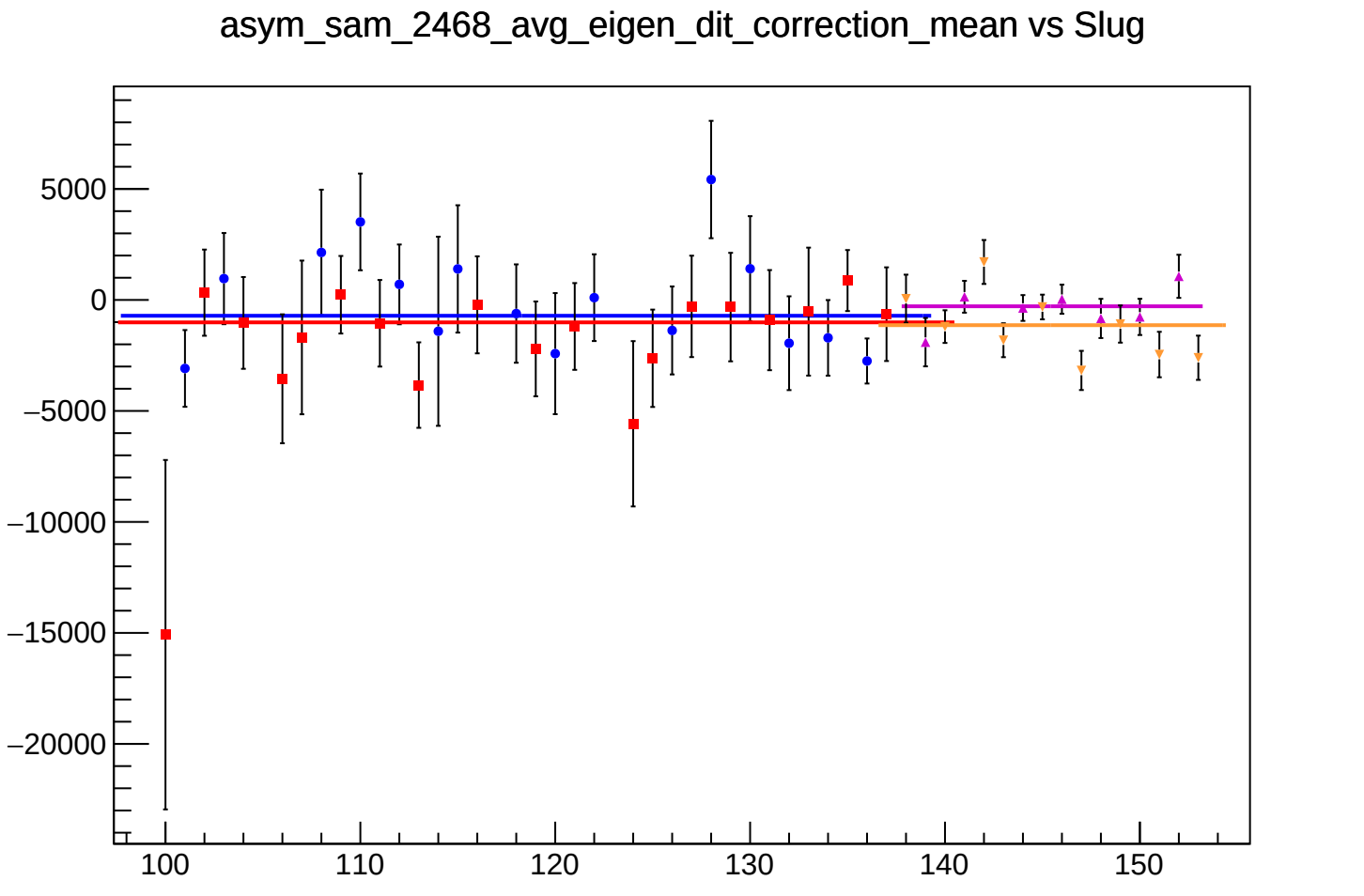
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 95.783+/-0.028 χ^2/NDF:74044.0/6

+ sign 101.800+/-0.020 χ^2/NDF: 746676.2/24

All: 102.082+/-0.014 χ^2/NDF: 1431995.2/50

- sign 102.382+/-0.020 χ^2/NDF: 684889.9/25



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1136.748+/-273.902 χ^2/NDF:21.6/8

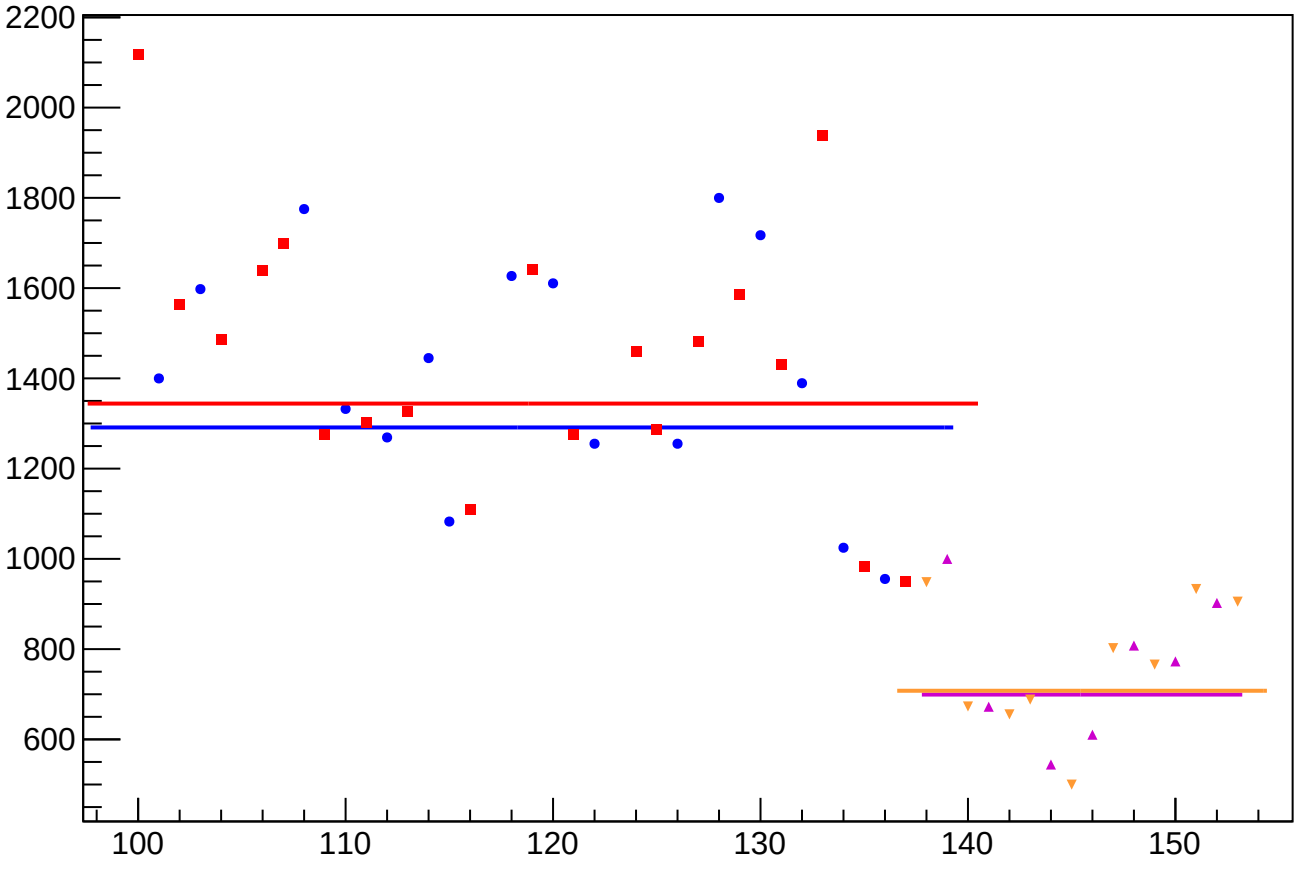
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -286.051+/-289.688 χ^2/NDF:5.5/6

+ sign -1036.850+/-239.460 χ^2/NDF: 42.3/24

All: -765.316+/-173.204 χ^2/NDF: 63.8/50

- sign -467.384+/-250.830 χ^2/NDF: 18.8/25



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 707.753+/-0.194 χ^2/NDF:597068.2/8

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

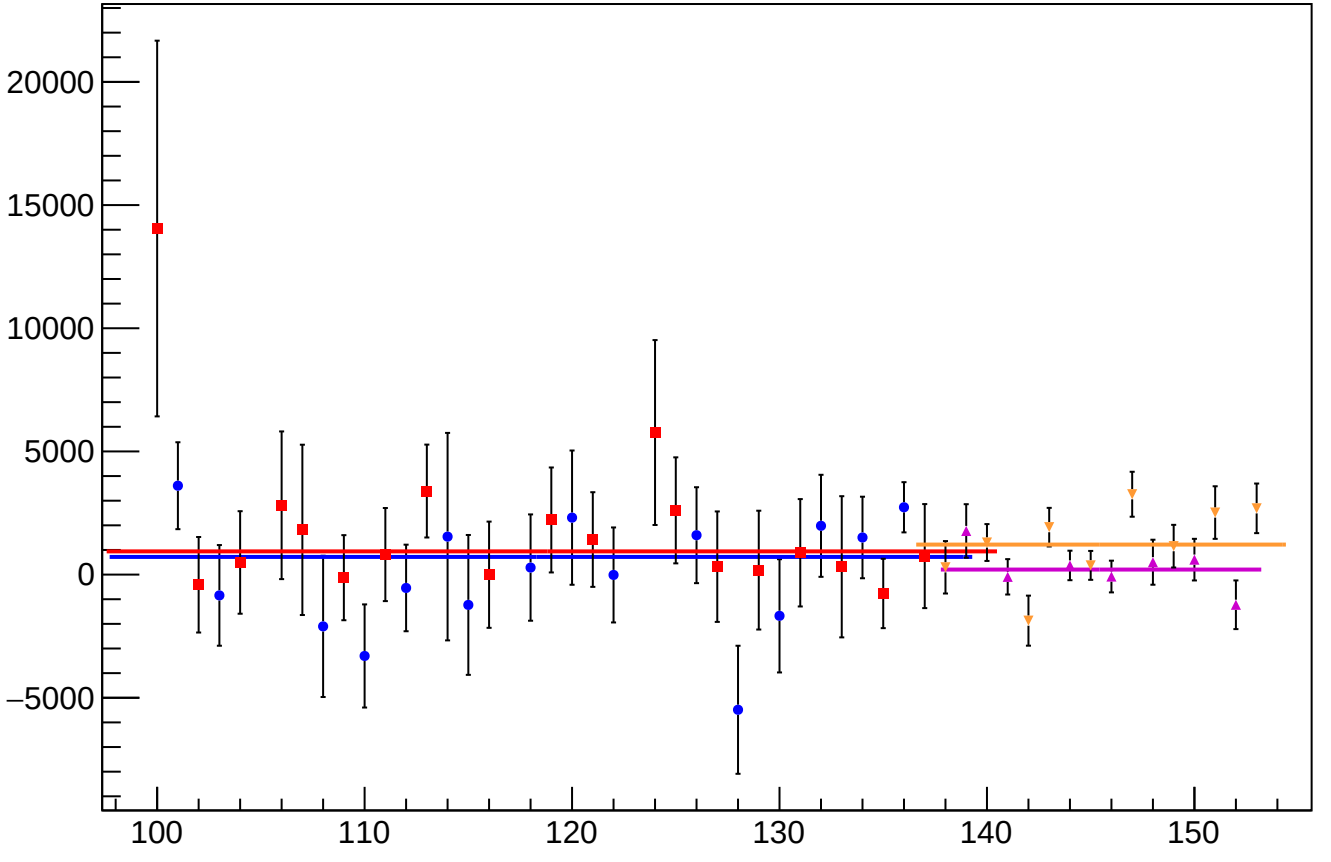
Left In: 699.329+/-0.205 χ^2/NDF:468052.2/6

+ sign 845.266+/-0.169 χ^2/NDF: 3346909.2/24

All: 852.630+/-0.122 χ^2/NDF: 6789796.7/50

- sign 860.710+/-0.177 χ^2/NDF: 3438920.7/25

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1218.448+/-282.012 χ^2/NDF:21.5/8

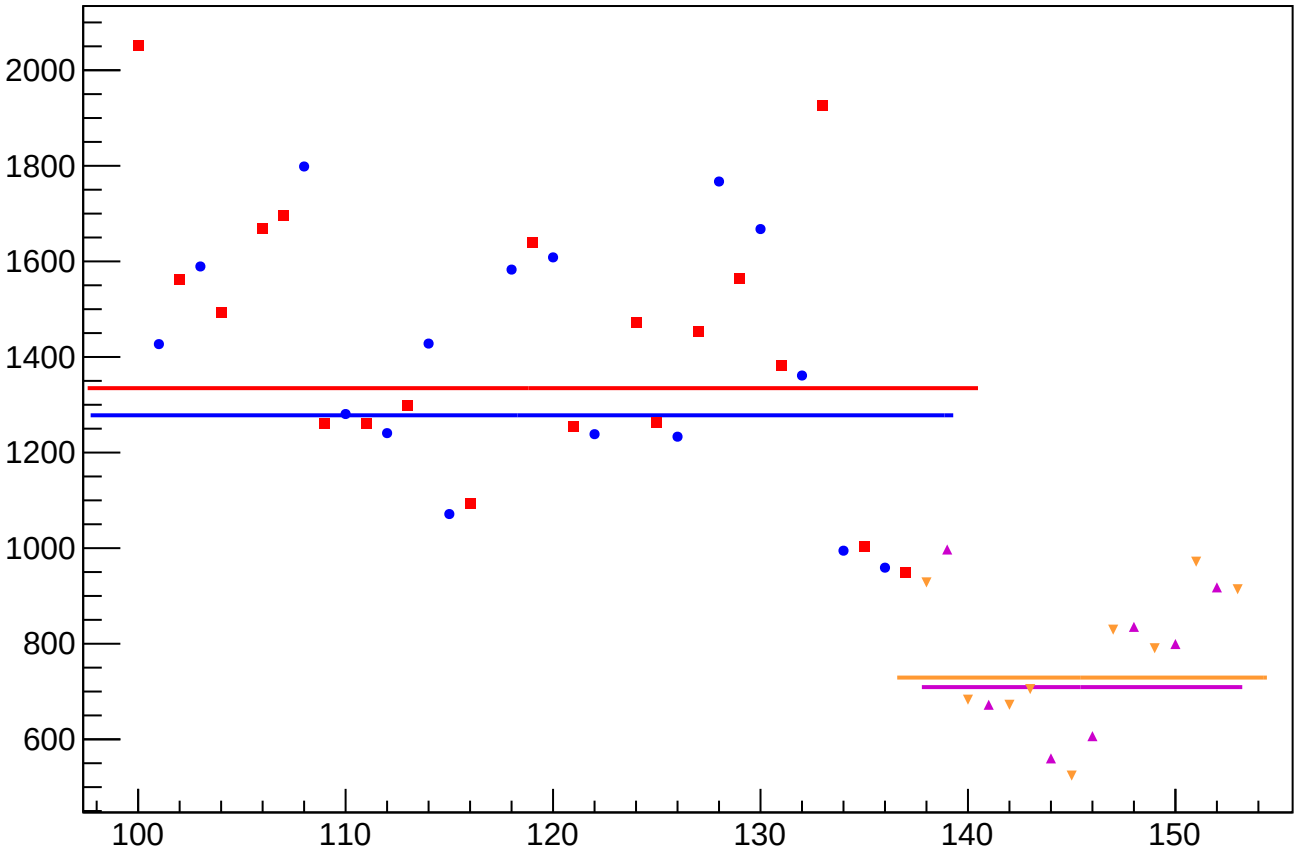
Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: 204.278+/-293.470 χ^2/NDF:4.9/6

+ sign 1093.156+/-244.202 χ^2/NDF: 43.3/24

All: 755.959+/-175.651 χ^2/NDF: 64.4/50

- sign 394.482+/-252.841 χ^2/NDF: 17.2/25



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 729.206+/-0.199 χ^2/NDF:535221.1/8

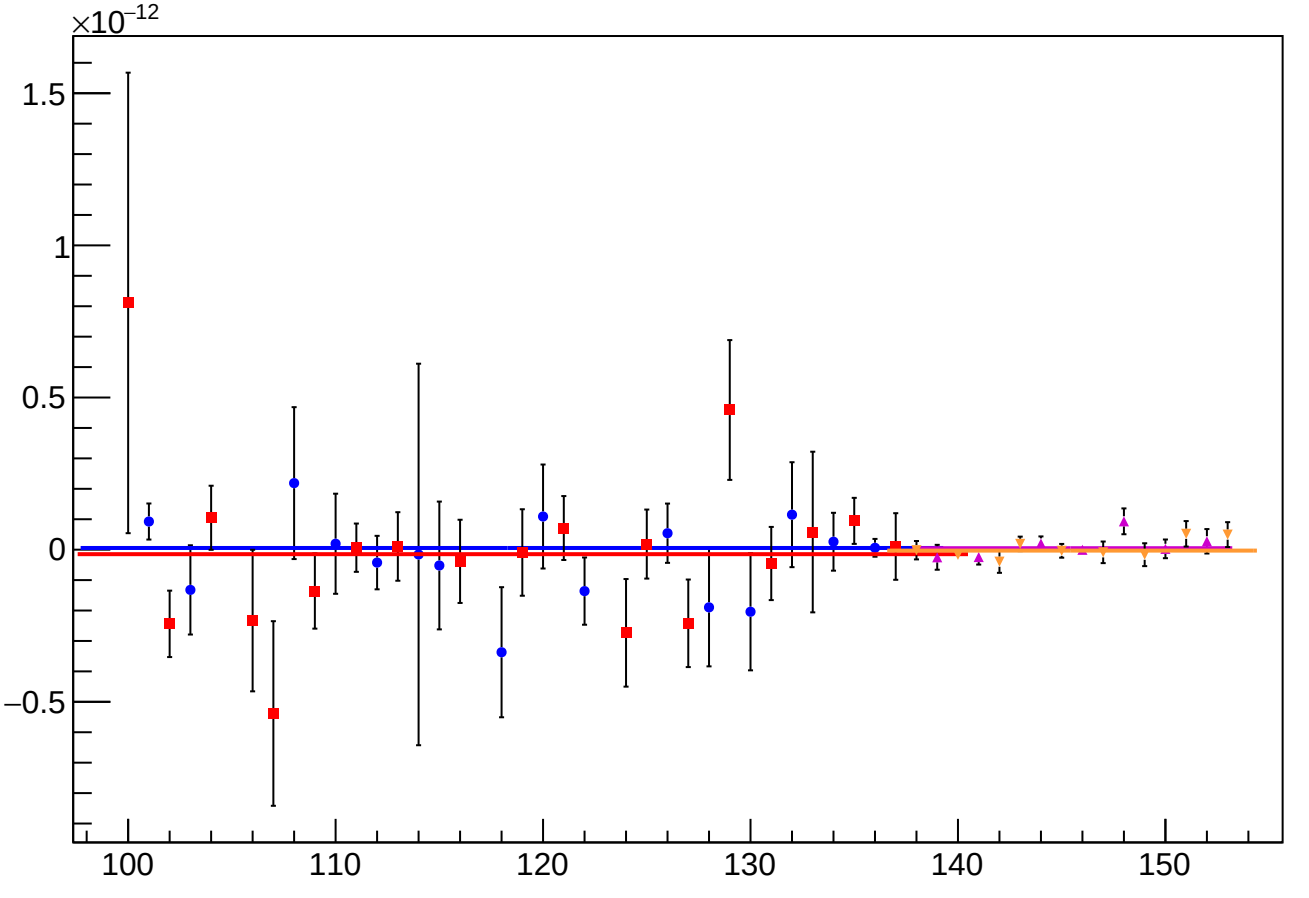
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 709.267+/-0.208 χ^2/NDF:470765.0/6

+ sign 866.492+/-0.173 χ^2/NDF: 3027476.3/24

All: 868.413+/-0.124 χ^2/NDF: 6312012.2/50

- sign 870.472+/-0.179 χ^2/NDF: 3284279.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/8

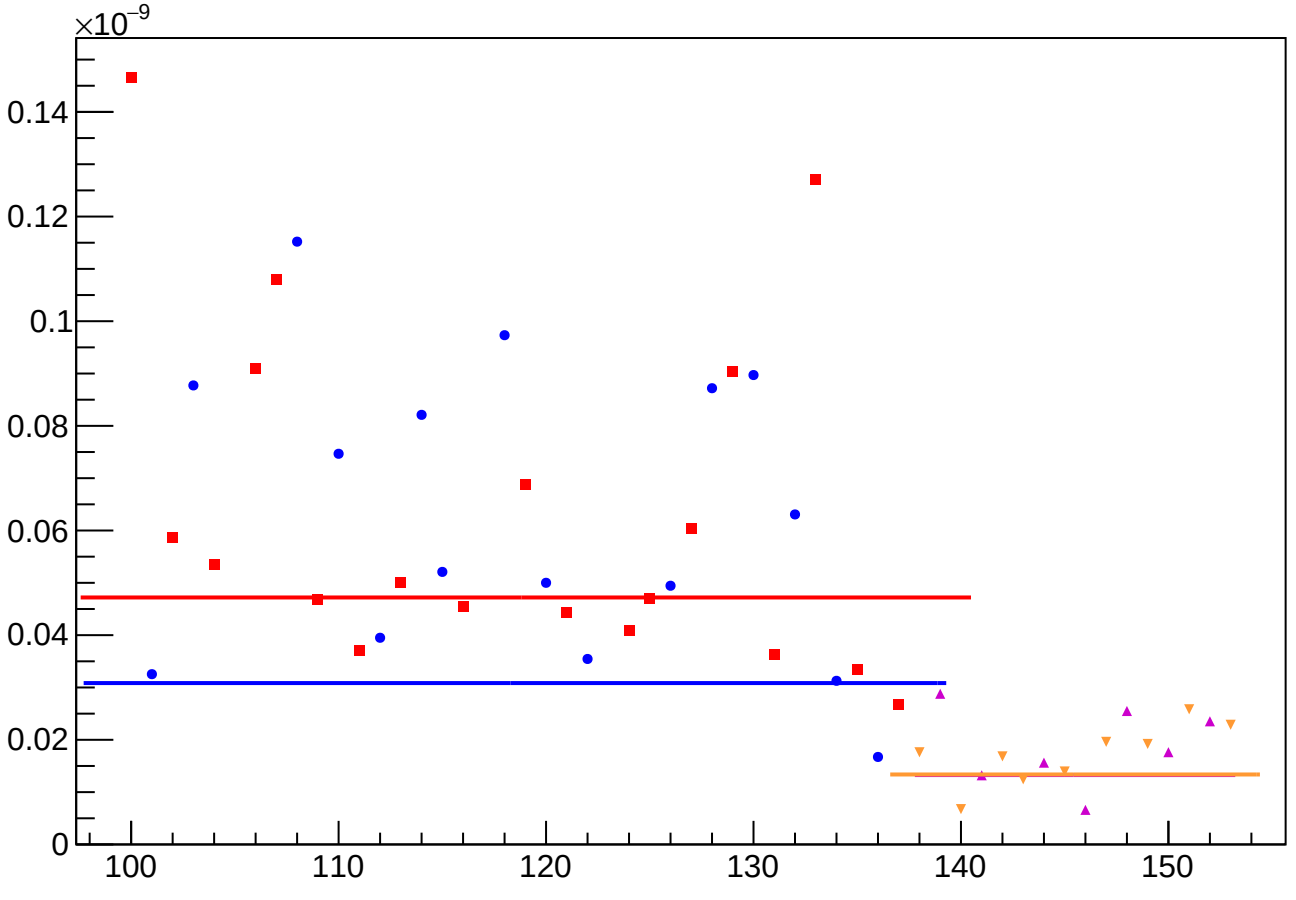
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.1/6

+ sign -0.000+/-0.000 χ^2/NDF: 18.0/24

All: 0.000+/-0.000 χ^2/NDF: 49.5/50

- sign 0.000+/-0.000 χ^2/NDF: 31.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:835454.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

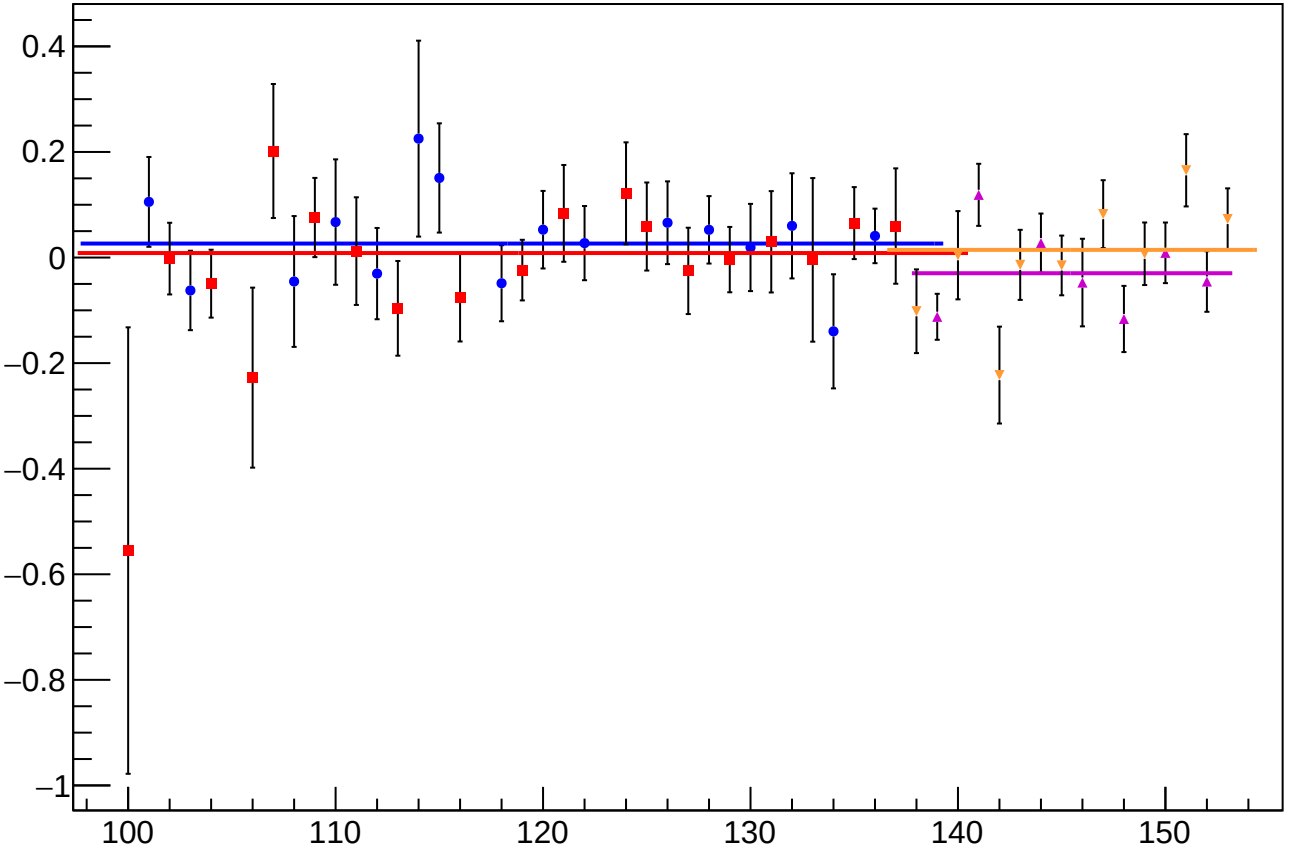
Left In: 0.000+/-0.000 χ^2/NDF:1065153.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 3868195.8/24

All: 0.000+/-0.000 χ^2/NDF: 8194603.8/50

- sign 0.000+/-0.000 χ^2/NDF: 4319610.3/25

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.022 χ^2/NDF:16.3/8

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

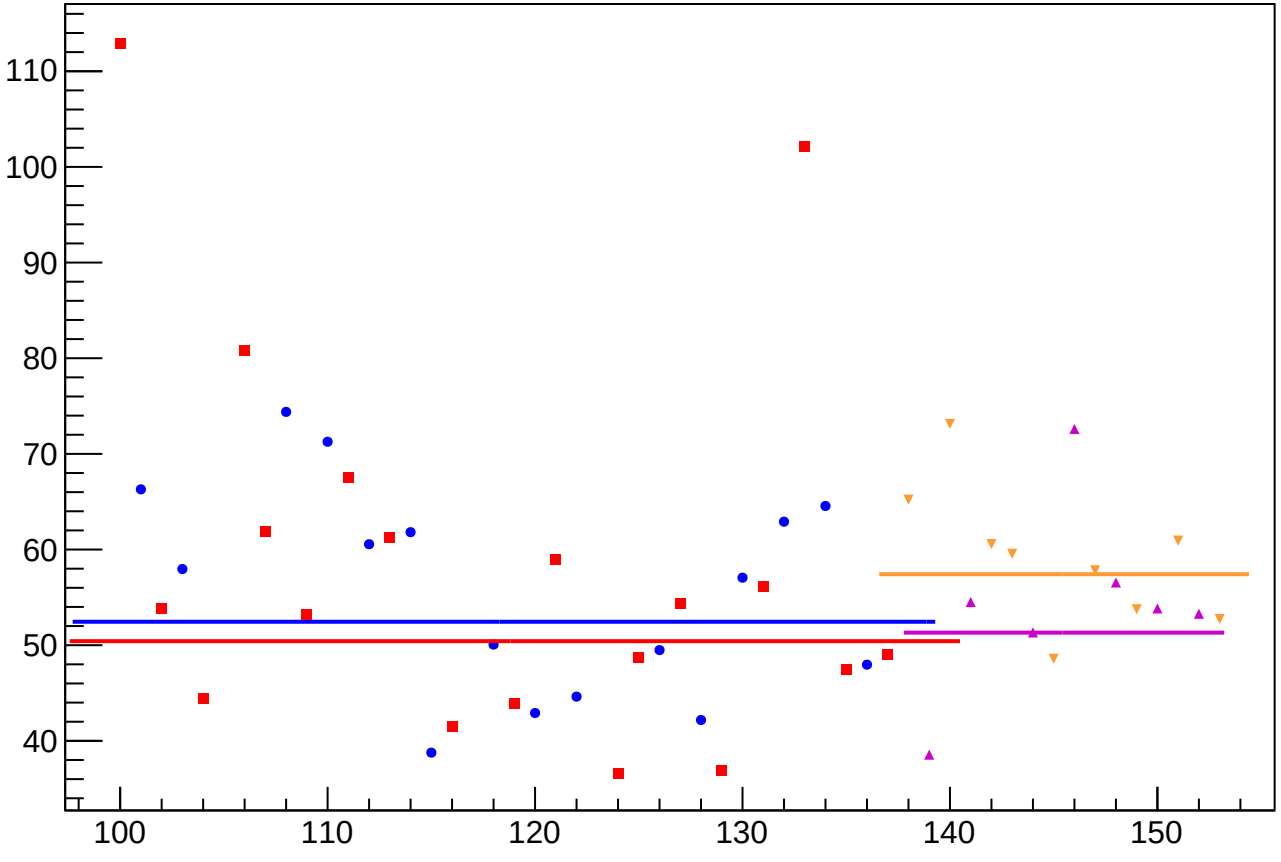
Left In: -0.030+/-0.022 χ^2/NDF:13.5/6

+ sign 0.021+/-0.015 χ^2/NDF: 26.4/24

All: 0.006+/-0.010 χ^2/NDF: 57.6/50

- sign -0.009+/-0.014 χ^2/NDF: 29.2/25

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 57.420+/-0.016 χ^2/NDF:169257.4/8

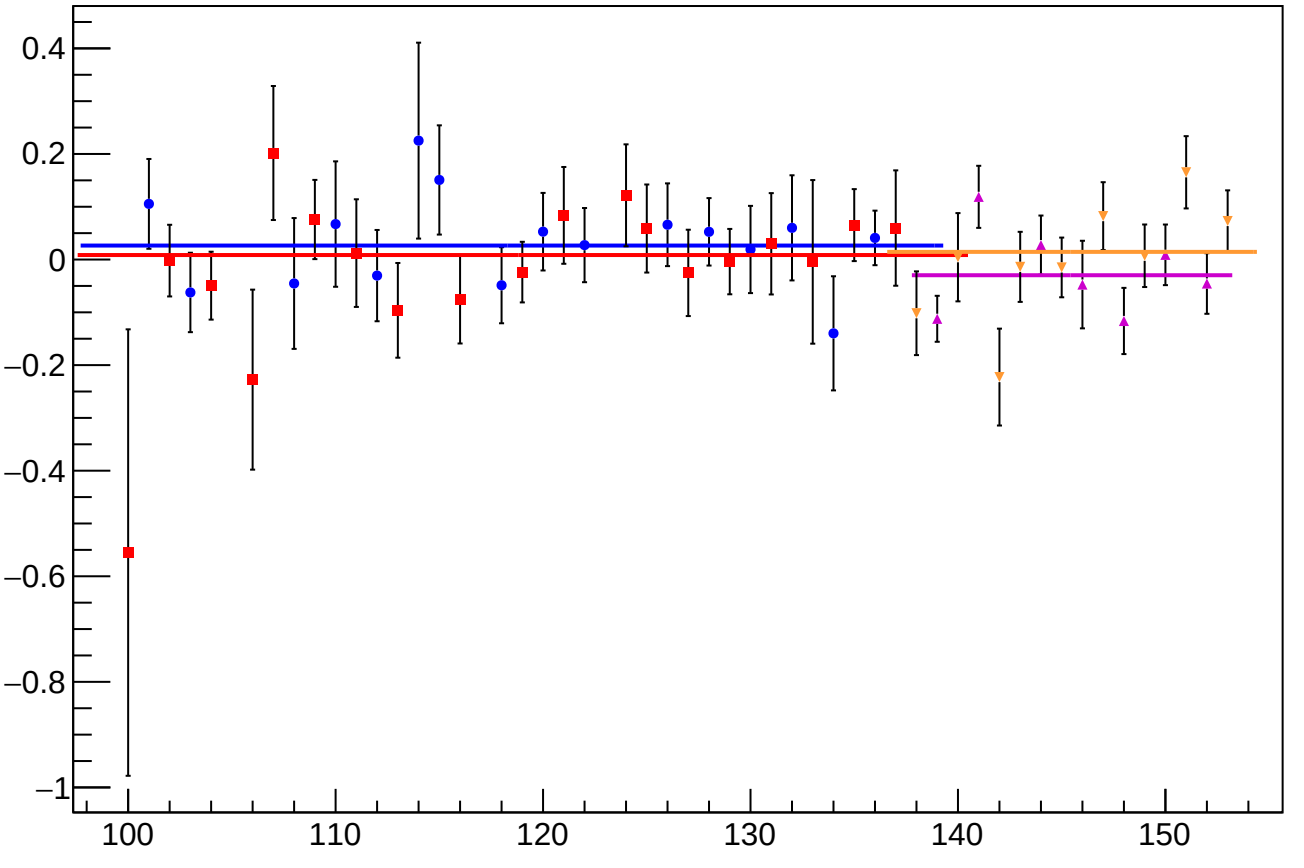
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.314+/-0.015 χ^2/NDF:329592.2/6

+ sign 54.706+/-0.011 χ^2/NDF: 641138.5/24

All: 52.684+/-0.007 χ^2/NDF: 1718456.8/50

- sign 50.823+/-0.010 χ^2/NDF: 1008217.9/25



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.022 χ^2/NDF:16.3/8

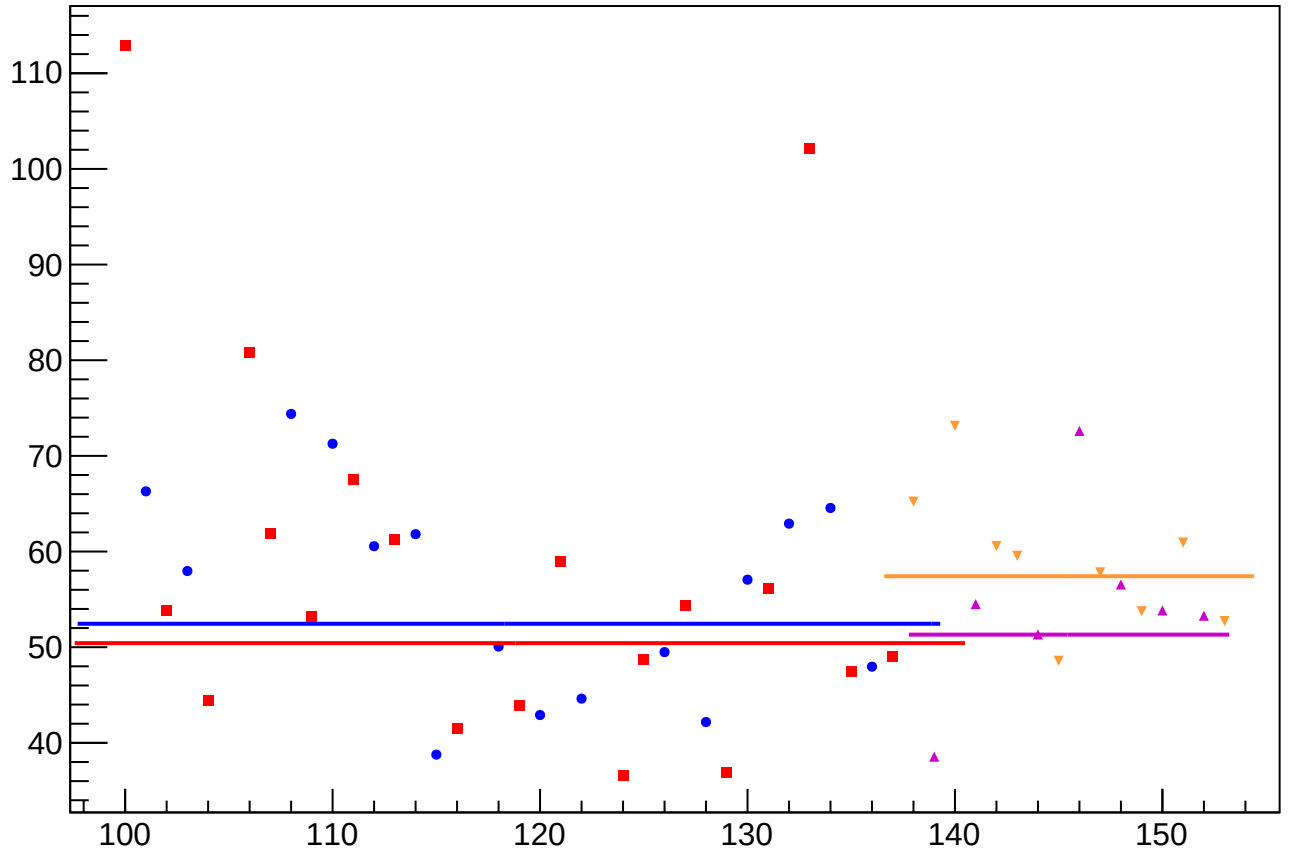
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.030+/-0.022 χ^2/NDF:13.5/6

+ sign 0.021+/-0.015 χ^2/NDF: 26.4/24

All: 0.006+/-0.010 χ^2/NDF: 57.6/50

- sign -0.009+/-0.014 χ^2/NDF: 29.2/25



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 57.420+/-0.016 χ^2/NDF:169257.4/8

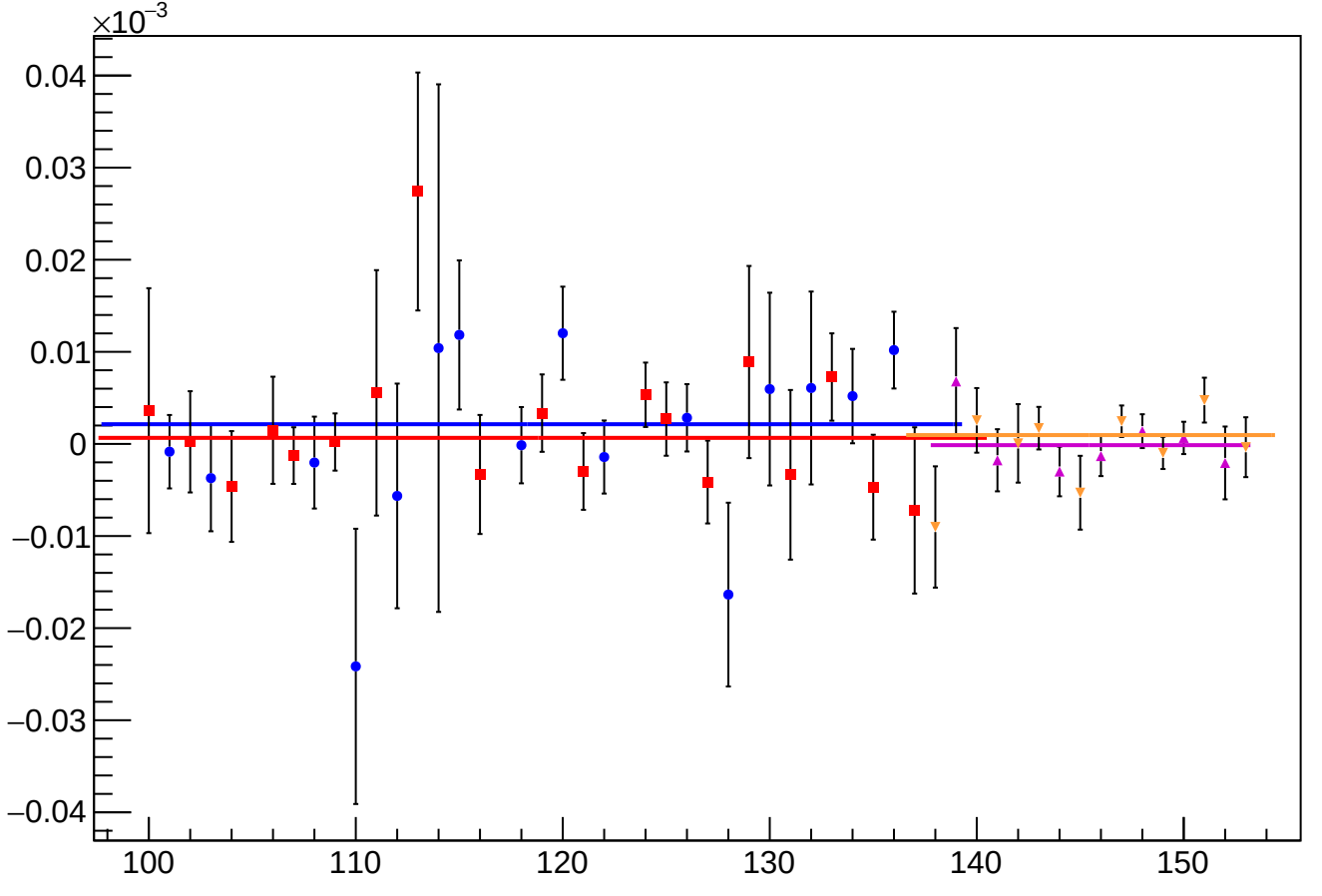
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.314+/-0.015 χ^2/NDF:329592.2/6

\+ sign 54.706+/-0.011 χ^2/NDF: 641138.5/24

All: 52.684+/-0.007 χ^2/NDF: 1718456.8/50

\- sign 50.823+/-0.010 χ^2/NDF: 1008217.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/8

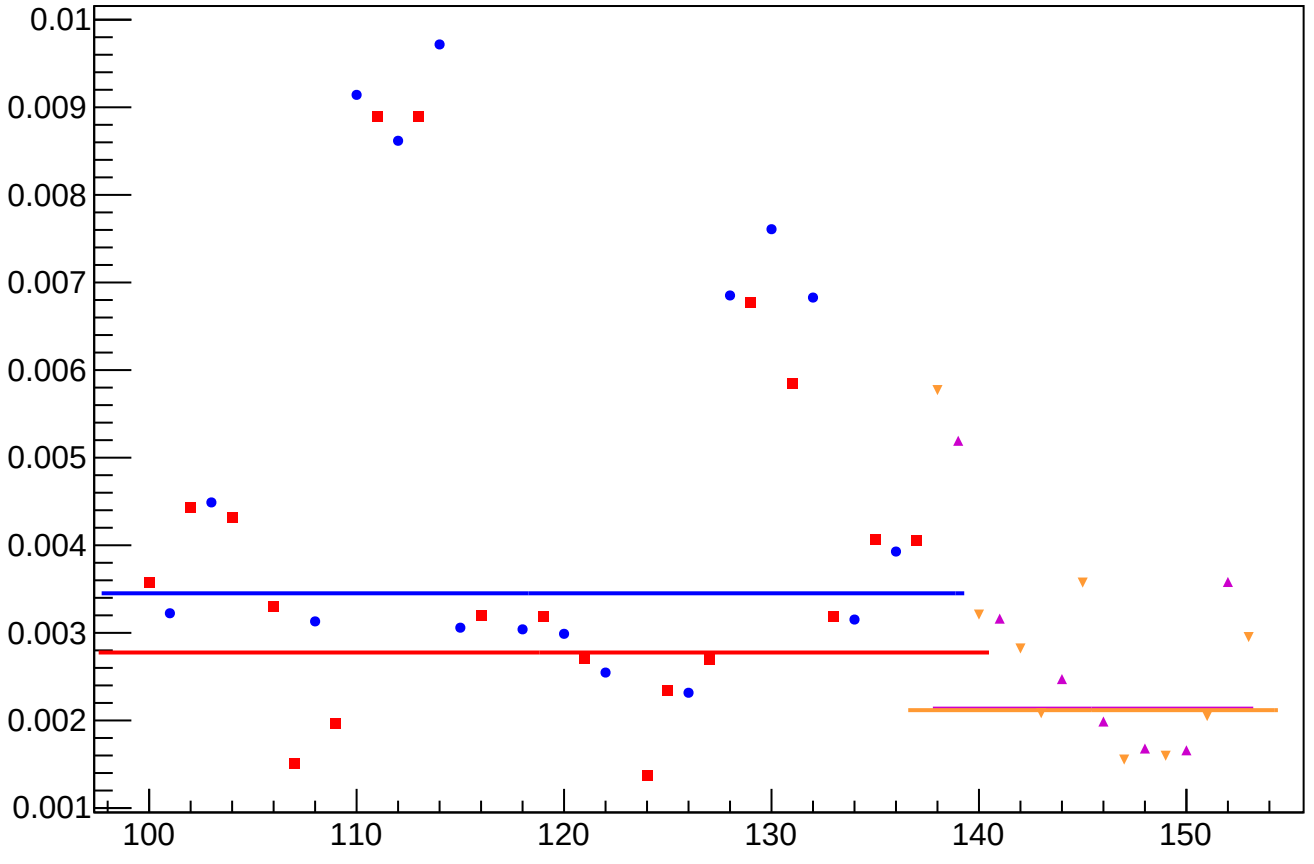
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 30.3/24

All: 0.000+/-0.000 χ^2/NDF: 50.8/50

- sign 0.000+/-0.000 χ^2/NDF: 19.3/25



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1657358.8/8

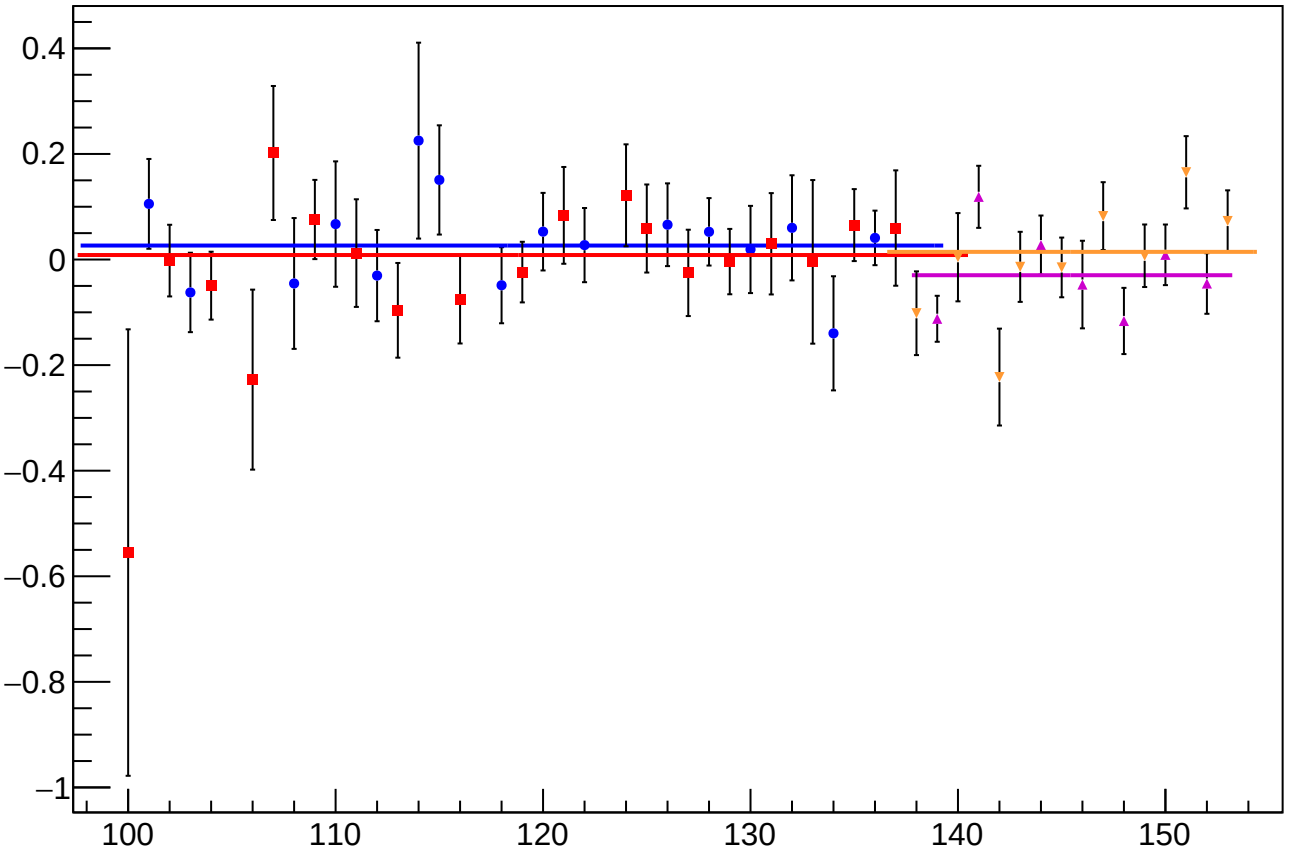
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1322497.9/6

+ sign 0.002+/-0.000 χ^2/NDF: 4943795.8/24

All: 0.002+/-0.000 χ^2/NDF: 9396211.8/50

- sign 0.002+/-0.000 χ^2/NDF: 4433041.8/25



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.022 χ^2/NDF:16.3/8

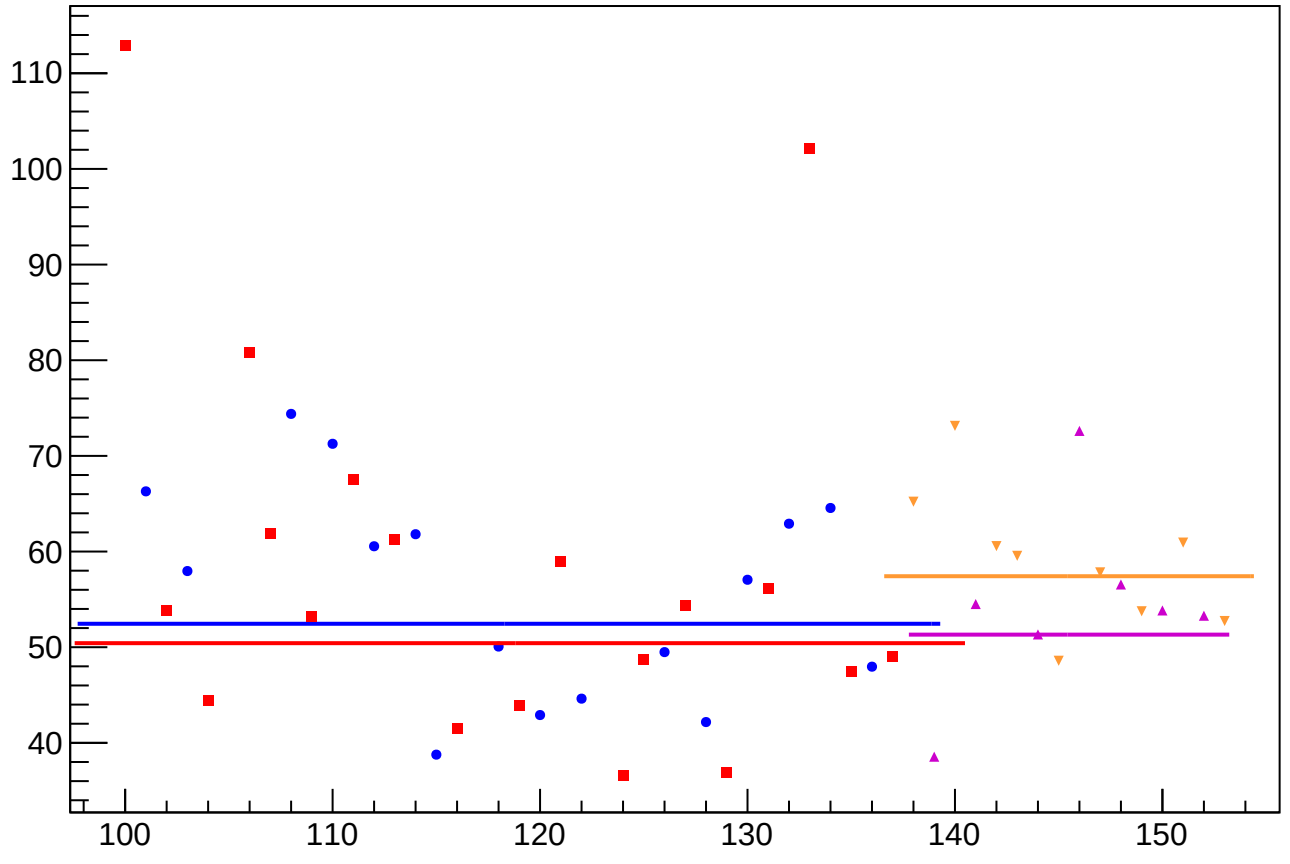
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.030+/-0.022 χ^2/NDF:13.5/6

+ sign 0.021+/-0.015 χ^2/NDF: 26.4/24

All: 0.006+/-0.010 χ^2/NDF: 57.6/50

- sign -0.009+/-0.014 χ^2/NDF: 29.2/25



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 57.421+/-0.016 χ^2/NDF:169229.8/8

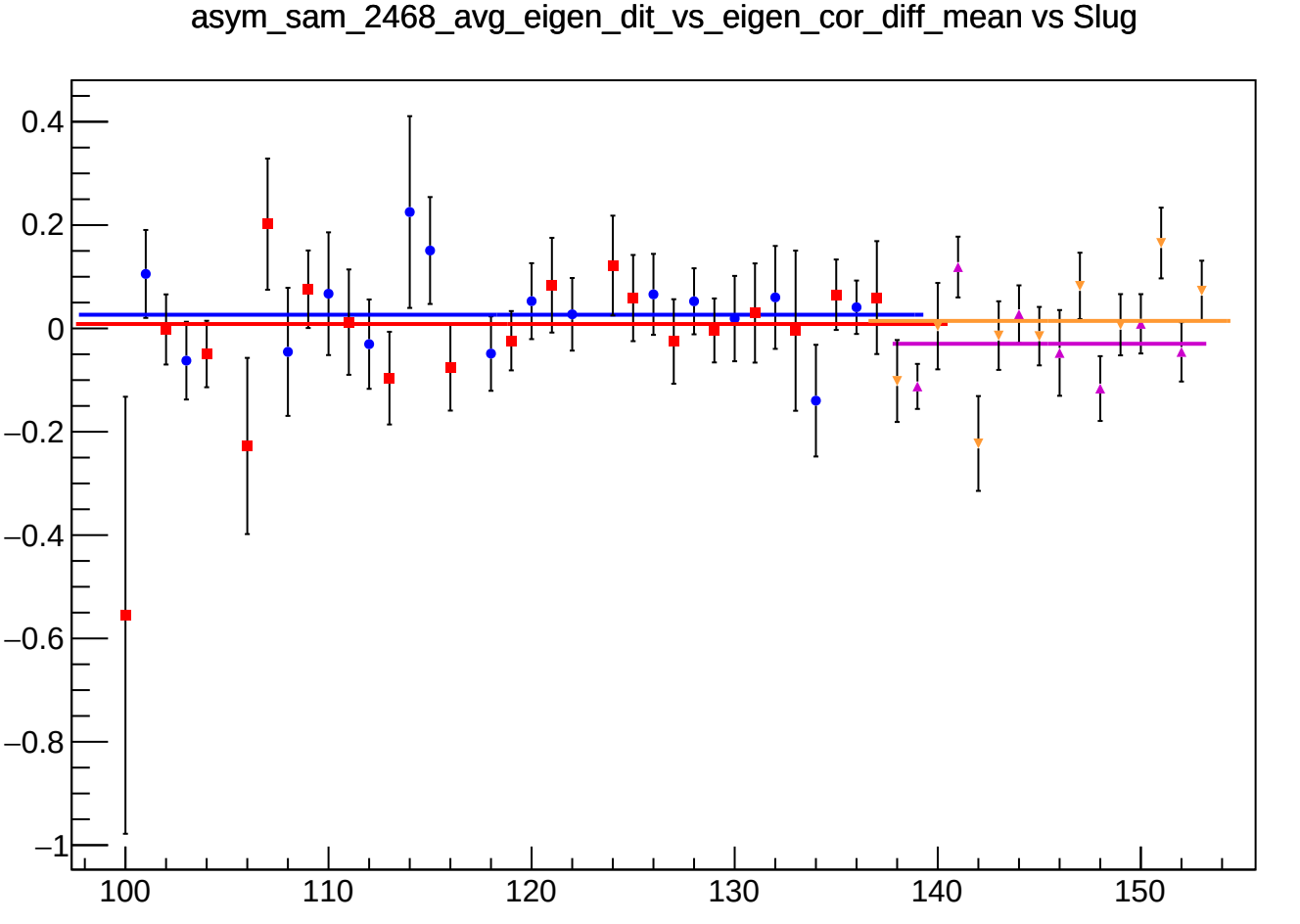
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.315+/-0.015 χ^2/NDF:329640.0/6

+ sign 54.706+/-0.011 χ^2/NDF: 641104.2/24

All: 52.684+/-0.007 χ^2/NDF: 1718488.7/50

- sign 50.822+/-0.010 χ^2/NDF: 1008277.5/25



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.022 χ^2/NDF:16.3/8

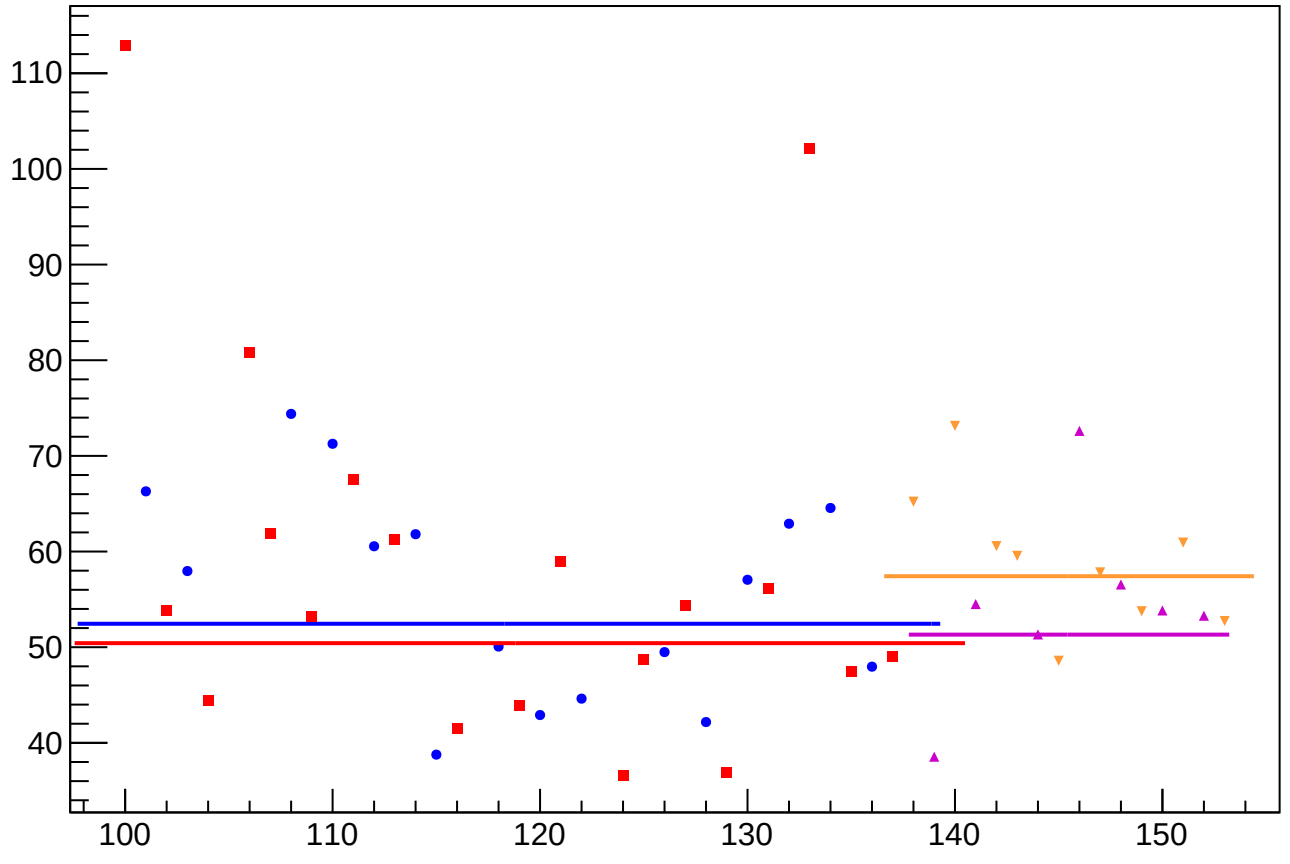
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.030+/-0.022 χ^2/NDF:13.5/6

+ sign 0.021+/-0.015 χ^2/NDF: 26.4/24

All: 0.006+/-0.010 χ^2/NDF: 57.6/50

- sign -0.009+/-0.014 χ^2/NDF: 29.2/25



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 57.421+/-0.016 χ^2/NDF:169229.8/8

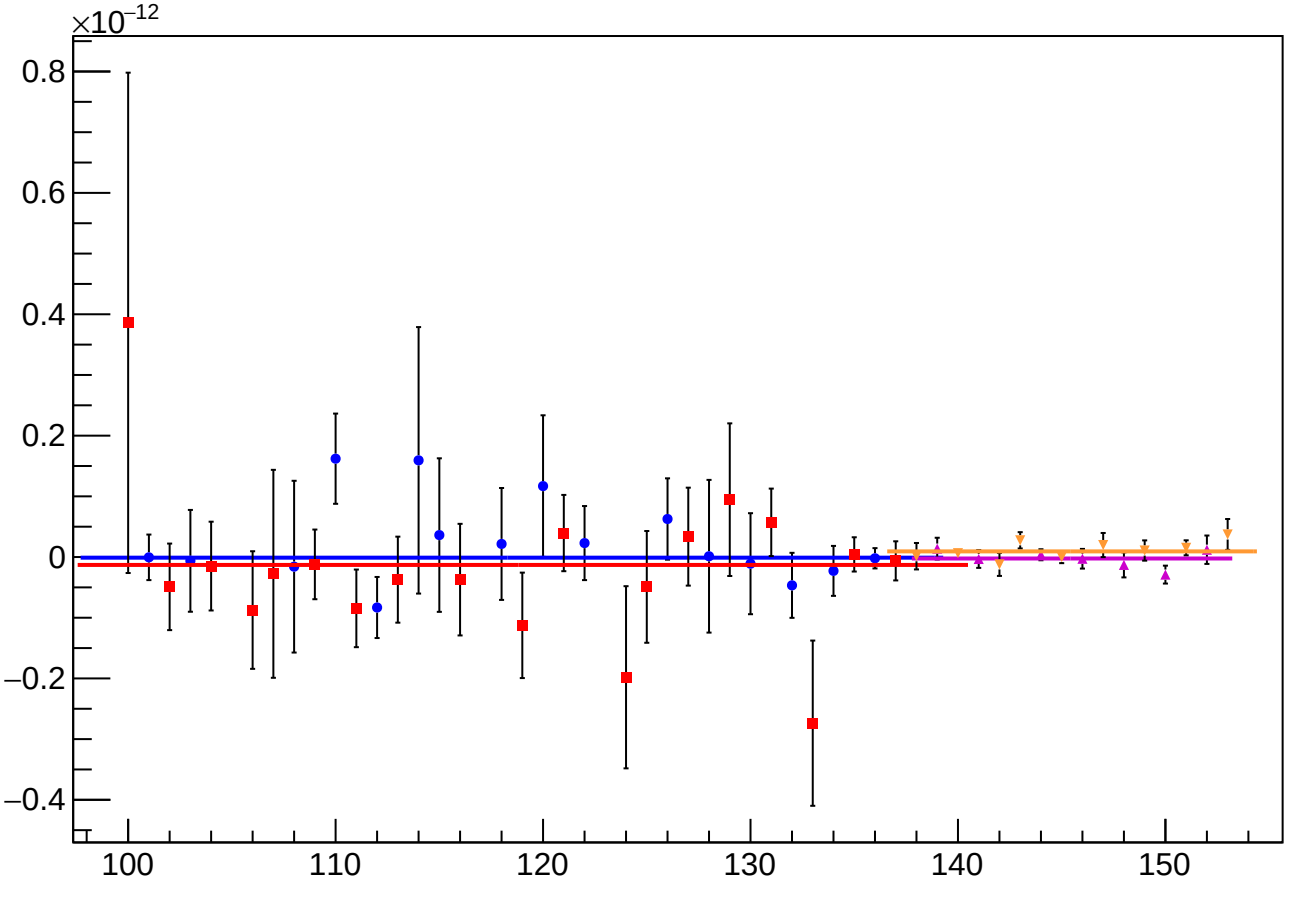
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.315+/-0.015 χ^2/NDF:329640.0/6

+ sign 54.706+/-0.011 χ^2/NDF: 641104.2/24

All: 52.684+/-0.007 χ^2/NDF: 1718488.7/50

- sign 50.822+/-0.010 χ^2/NDF: 1008277.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/8

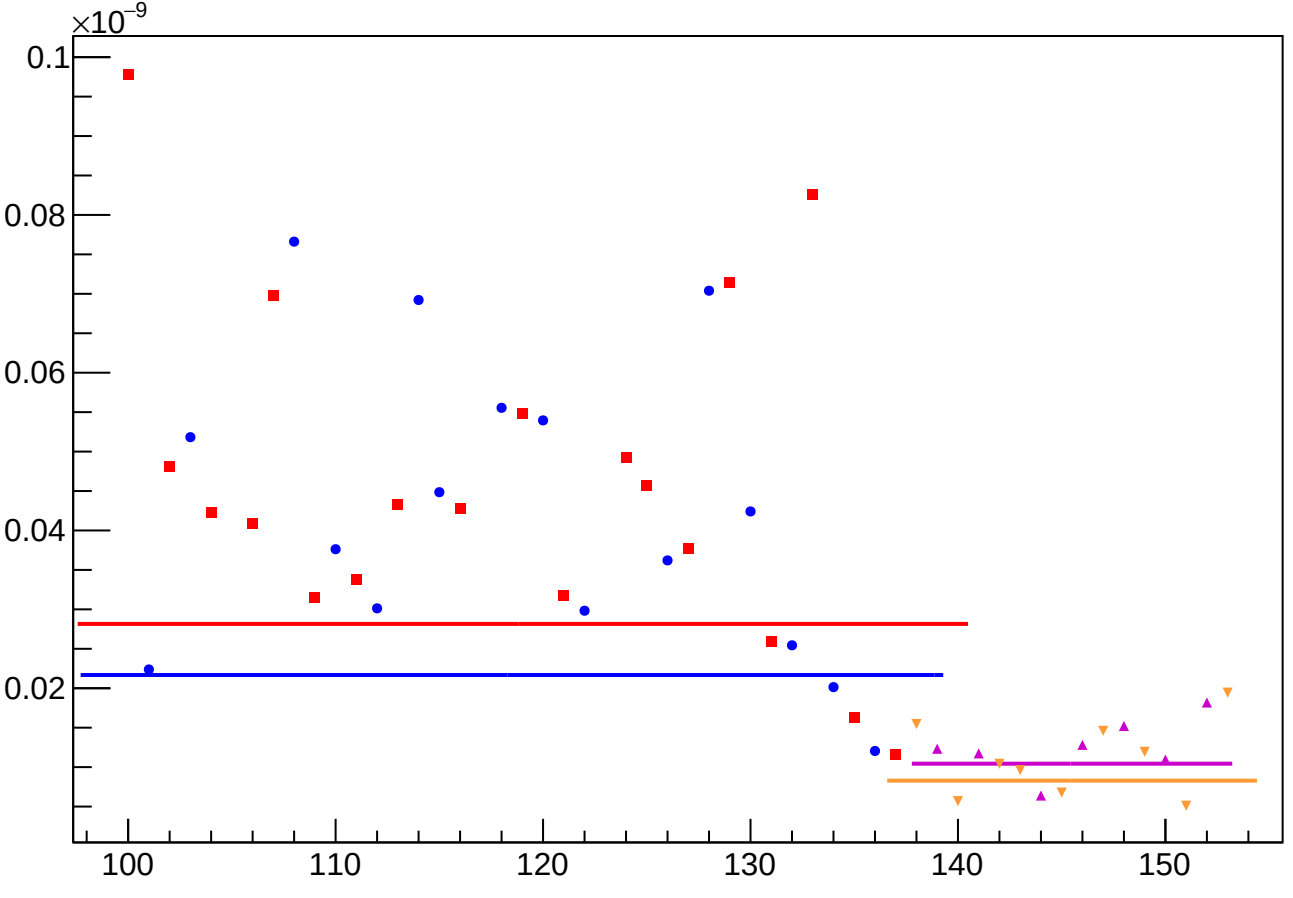
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/6

+ sign 0.000+/-0.000 χ^2/NDF: 17.9/24

All: 0.000+/-0.000 χ^2/NDF: 40.3/50

- sign -0.000+/-0.000 χ^2/NDF: 19.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1322518.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

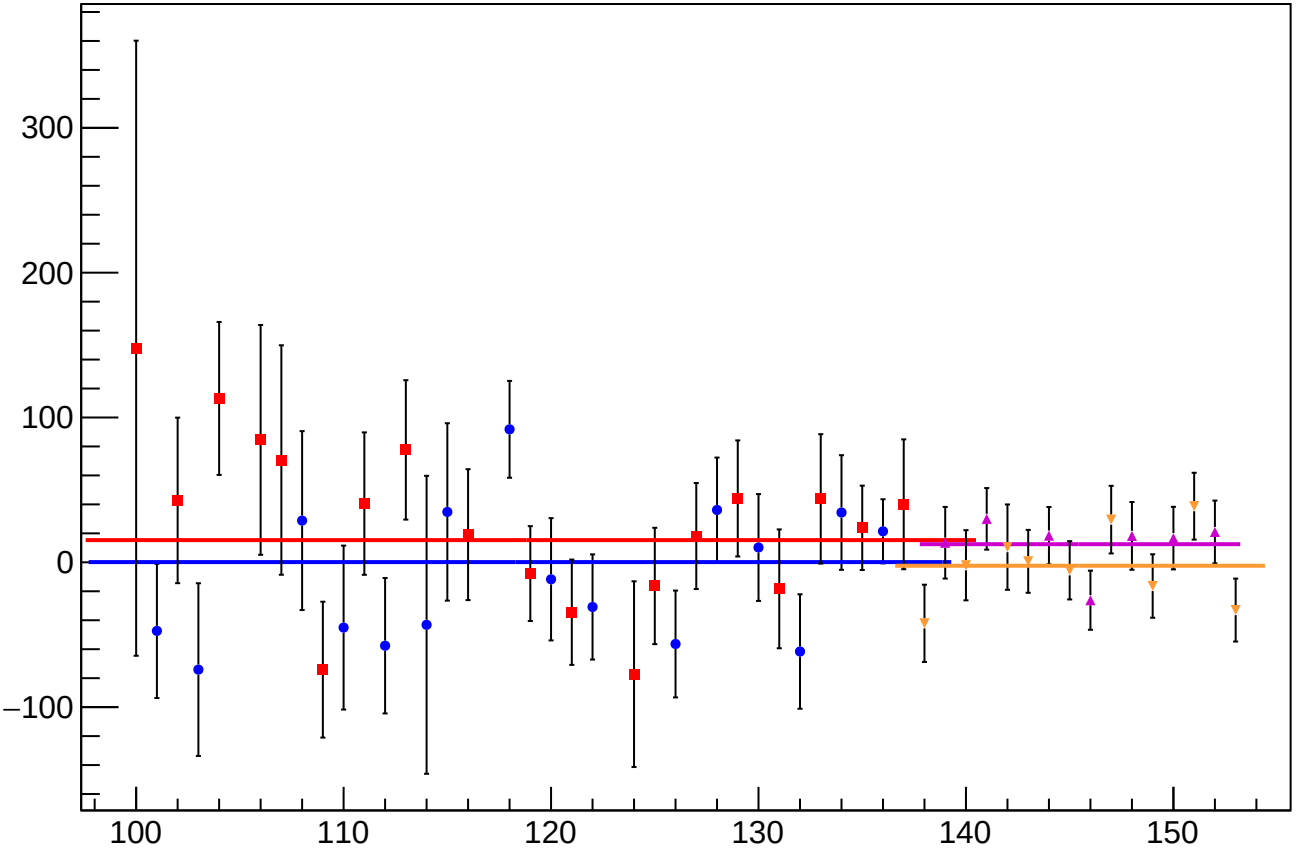
Left In: 0.000+/-0.000 χ^2/NDF:807224.4/6

+ sign 0.000+/-0.000 χ^2/NDF: 6036343.8/24

All: 0.000+/-0.000 χ^2/NDF: 12171956.8/50

- sign 0.000+/-0.000 χ^2/NDF: 5793372.9/25

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -2.382+/-7.725 χ^2/NDF:9.9/8

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

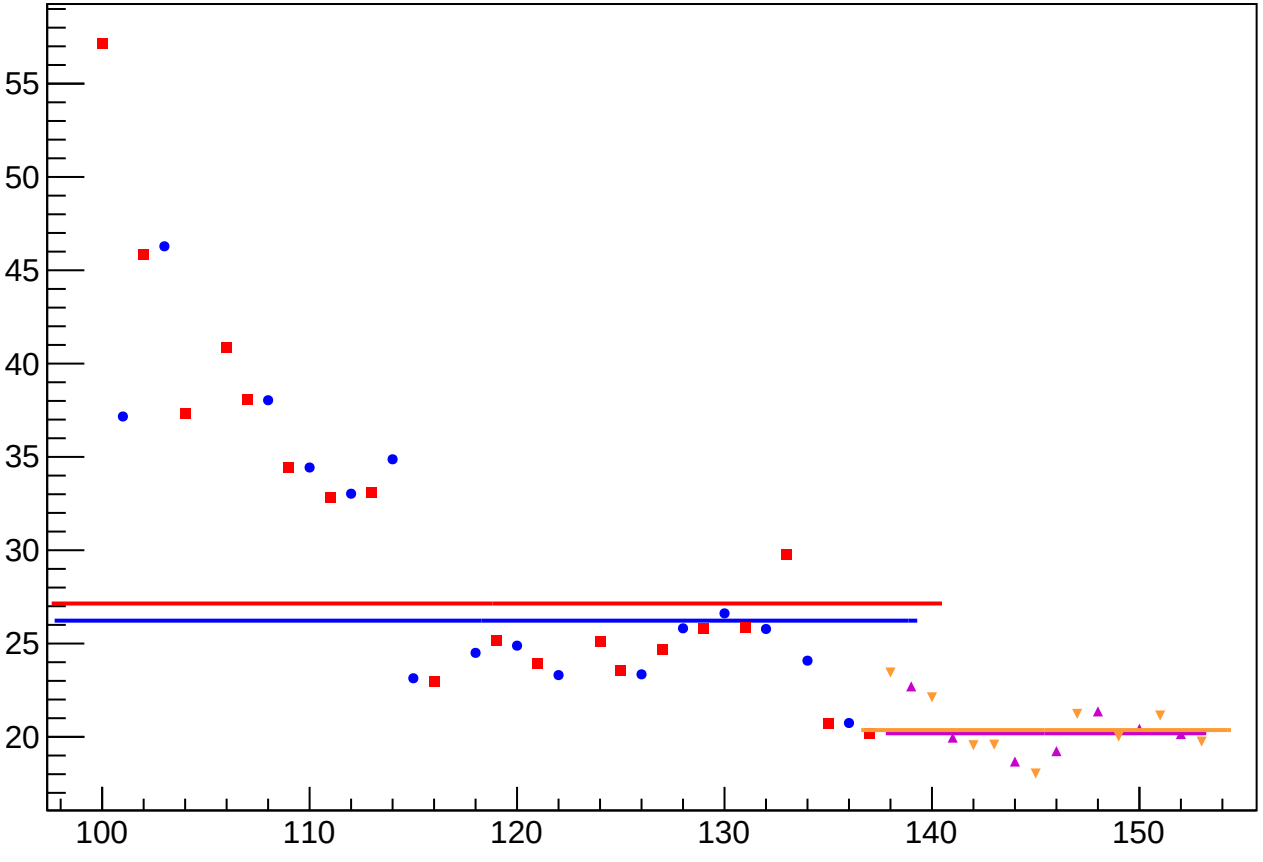
Left In: 12.513+/-8.191 χ^2/NDF:4.6/6

+ sign -1.440+/-6.124 χ^2/NDF: 31.2/24

All: 5.750+/-4.426 χ^2/NDF: 56.7/50

- sign 13.610+/-6.403 χ^2/NDF: 22.6/25

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.363+/-0.005 χ^2/NDF:75209.1/8

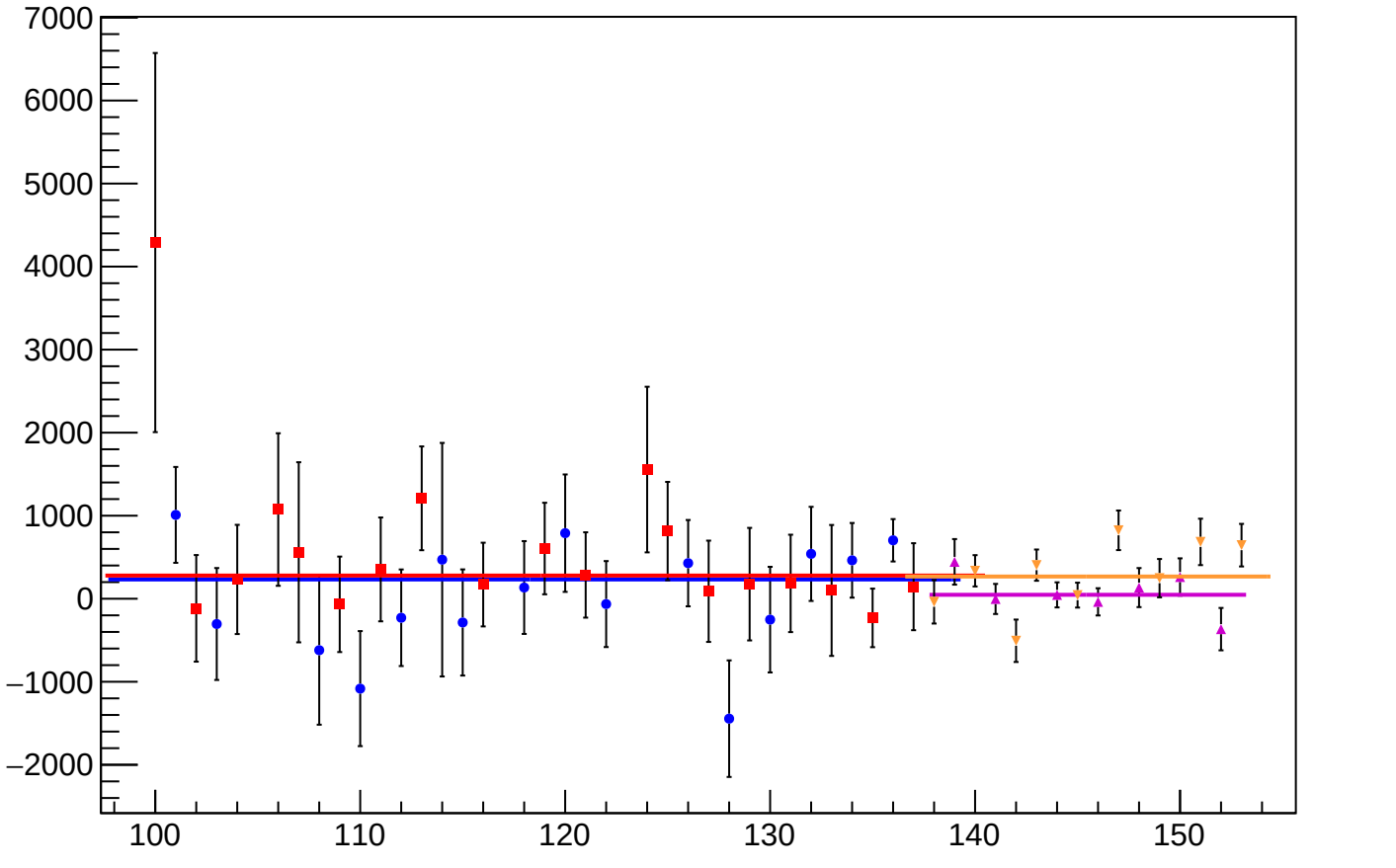
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.193+/-0.006 χ^2/NDF:42287.2/6

+ sign 22.542+/-0.004 χ^2/NDF: 1179327.6/24

All: 22.712+/-0.003 χ^2/NDF: 2540604.7/50

- sign 22.897+/-0.005 χ^2/NDF: 1358056.4/25



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 267.535+/-71.568 χ^2/NDF:23.3/8

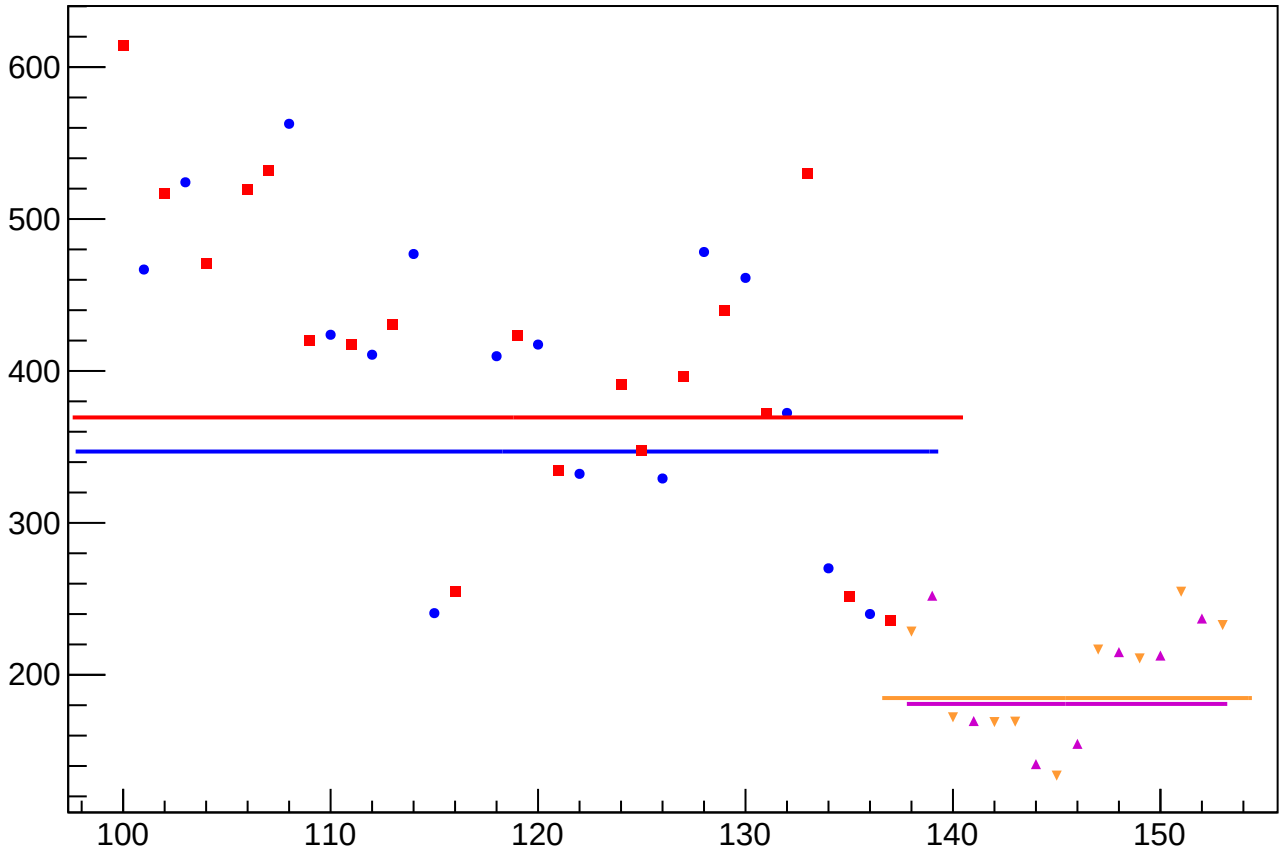
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 47.353+/-74.945 χ^2/NDF:6.1/6

+ sign 259.748+/-63.219 χ^2/NDF: 43.0/24

All: 182.907+/-45.677 χ^2/NDF: 66.4/50

- sign 98.979+/-66.070 χ^2/NDF: 20.3/25



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 184.714+/-0.051 χ^2/NDF:575452.1/8

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

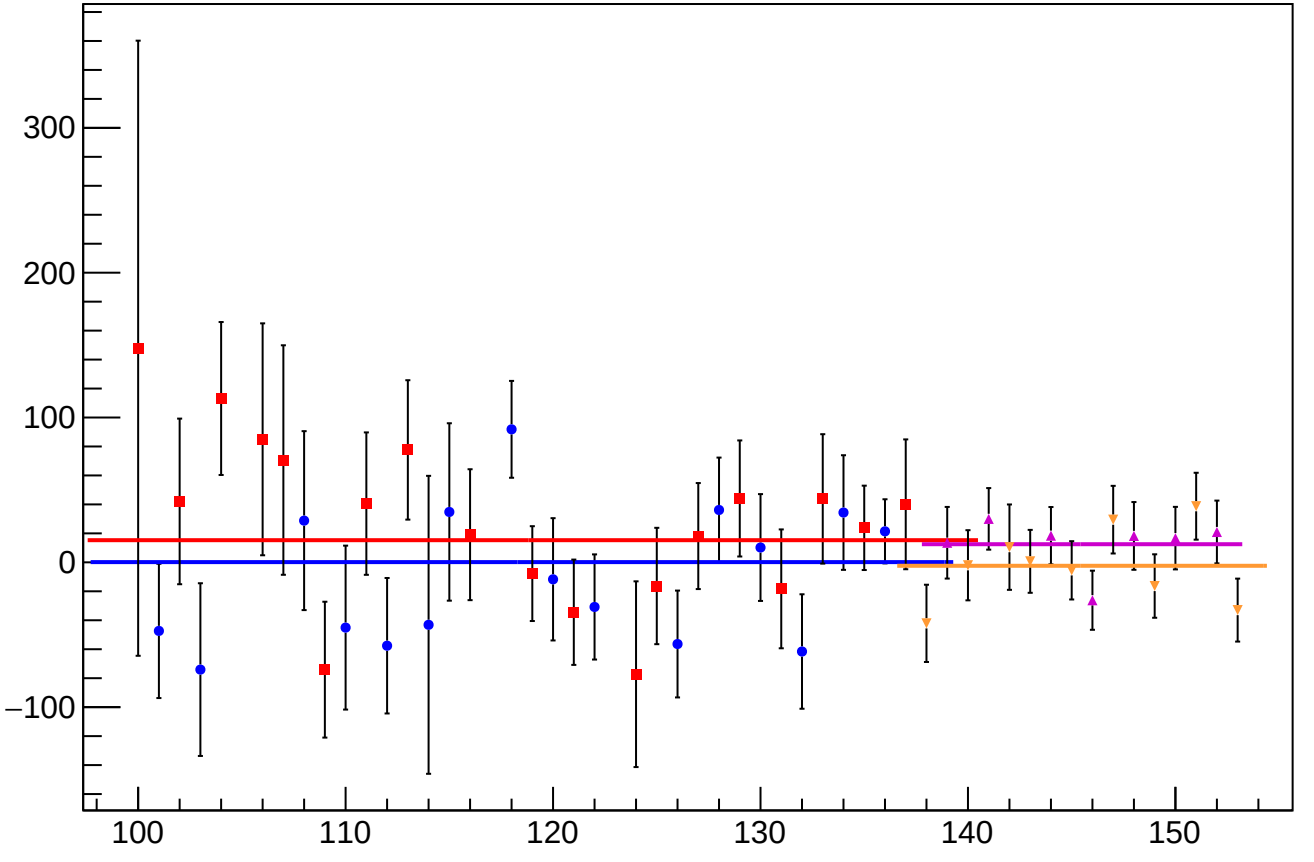
Left In: 180.845+/-0.053 χ^2/NDF:510662.7/6

+ sign 220.364+/-0.045 χ^2/NDF: 3892097.3/24

All: 221.558+/-0.032 χ^2/NDF: 8144284.8/50

- sign 222.863+/-0.047 χ^2/NDF: 4250694.4/25

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -2.385+/-7.725 χ^2/NDF:9.9/8

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

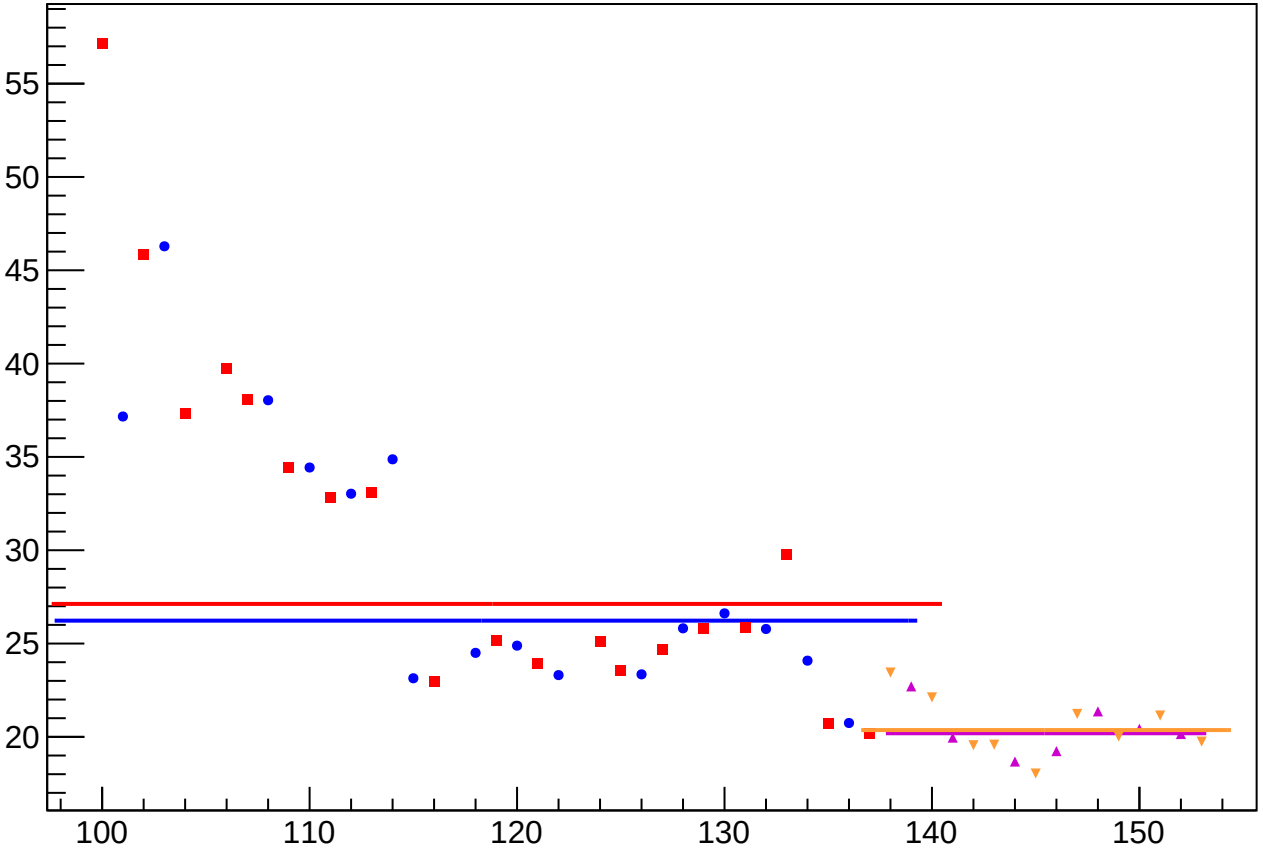
Left In: 12.515+/-8.191 χ^2/NDF:4.6/6

+ sign -1.440+/-6.124 χ^2/NDF: 31.2/24

All: 5.742+/-4.426 χ^2/NDF: 56.7/50

- sign 13.595+/-6.403 χ^2/NDF: 22.6/25

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.363+/-0.005 χ^2/NDF:75209.1/8

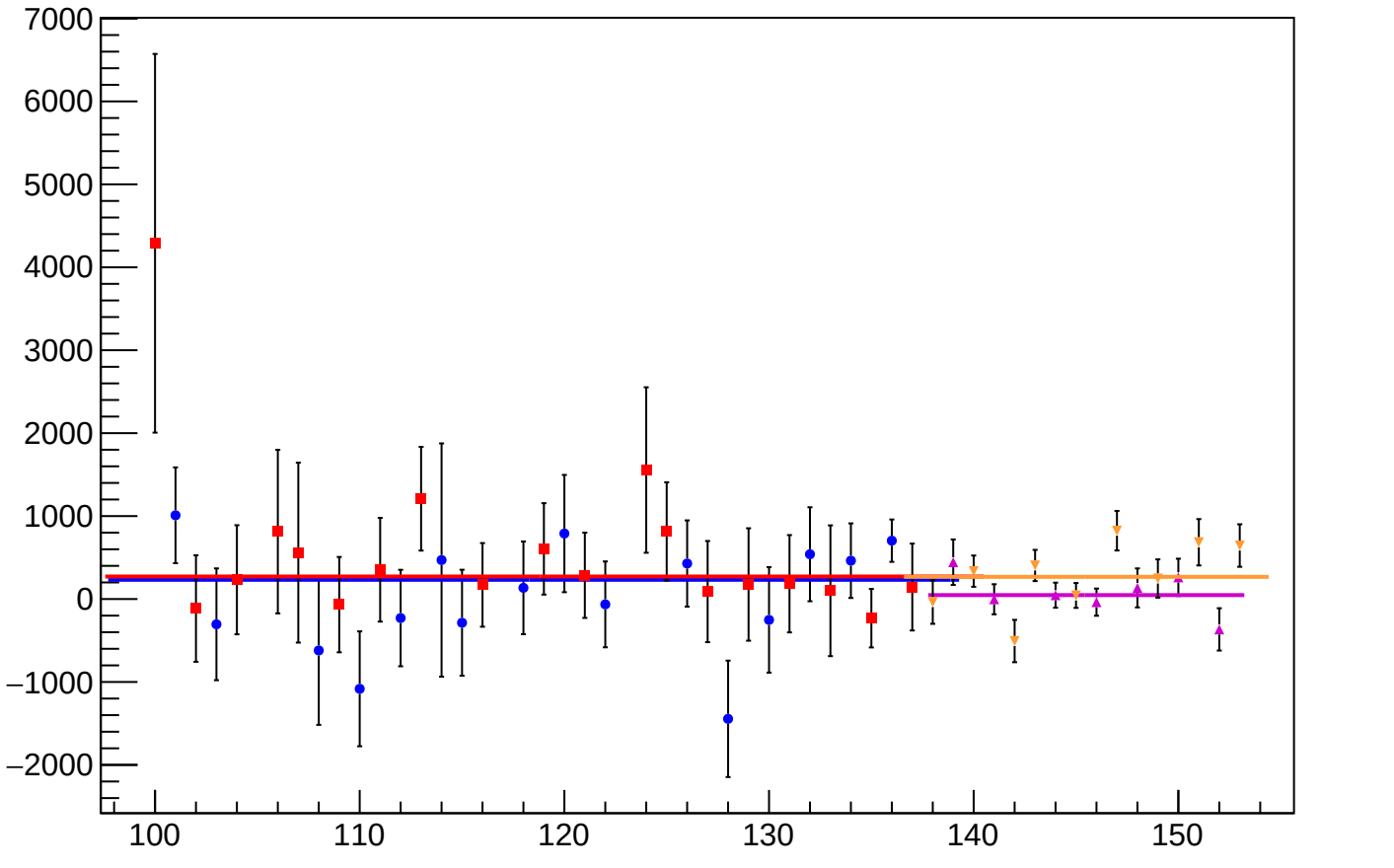
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.193+/-0.006 χ^2/NDF:42287.2/6

+ sign 22.542+/-0.004 χ^2/NDF: 1179331.0/24

All: 22.707+/-0.003 χ^2/NDF: 2527061.3/50

- sign 22.888+/-0.005 χ^2/NDF: 1344672.1/25



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 267.533+/-71.568 χ^2/NDF:23.3/8

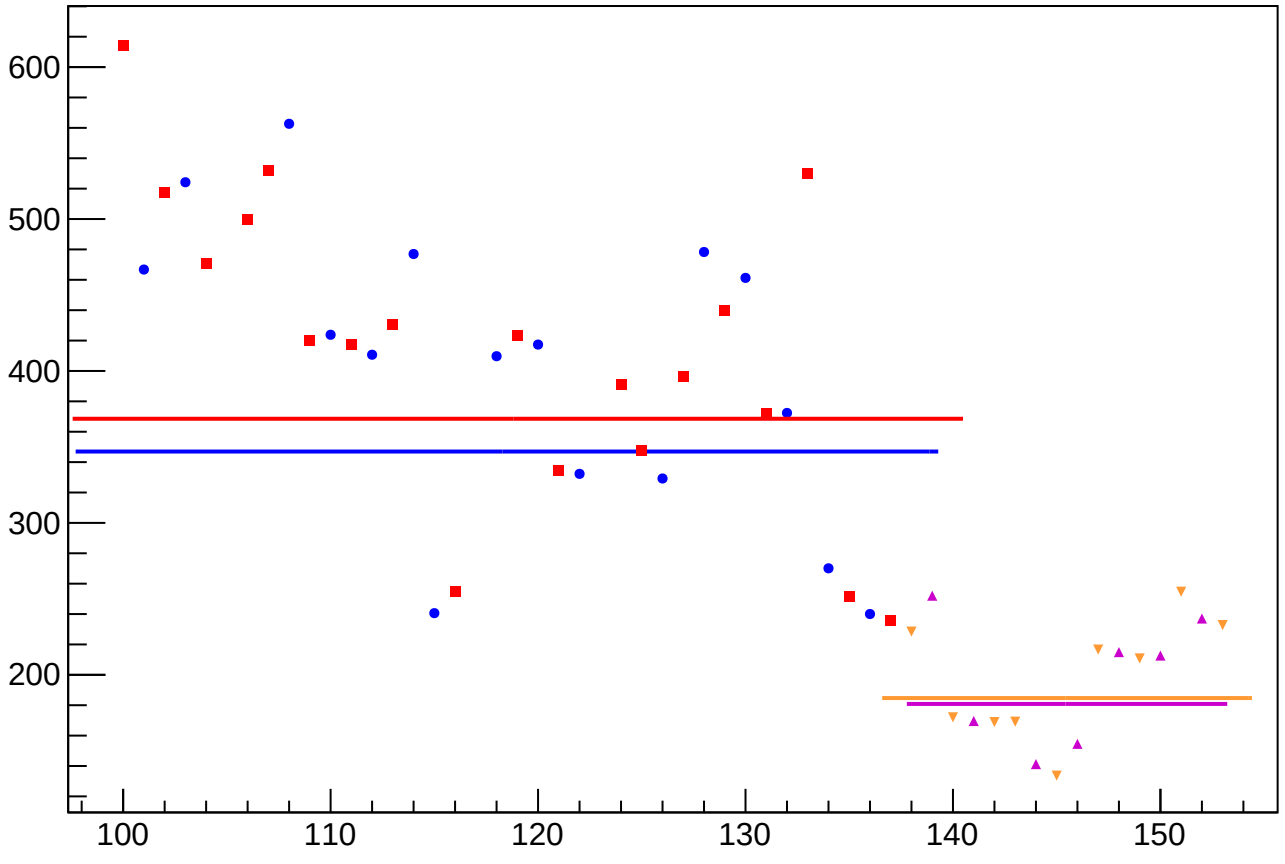
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 47.355+/-74.945 χ^2/NDF:6.1/6

+ sign 259.744+/-63.219 χ^2/NDF: 43.0/24

All: 182.064+/-45.685 χ^2/NDF: 65.9/50

- sign 97.160+/-66.093 χ^2/NDF: 19.7/25



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 184.714+/-0.051 χ^2/NDF:575454.8/8

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

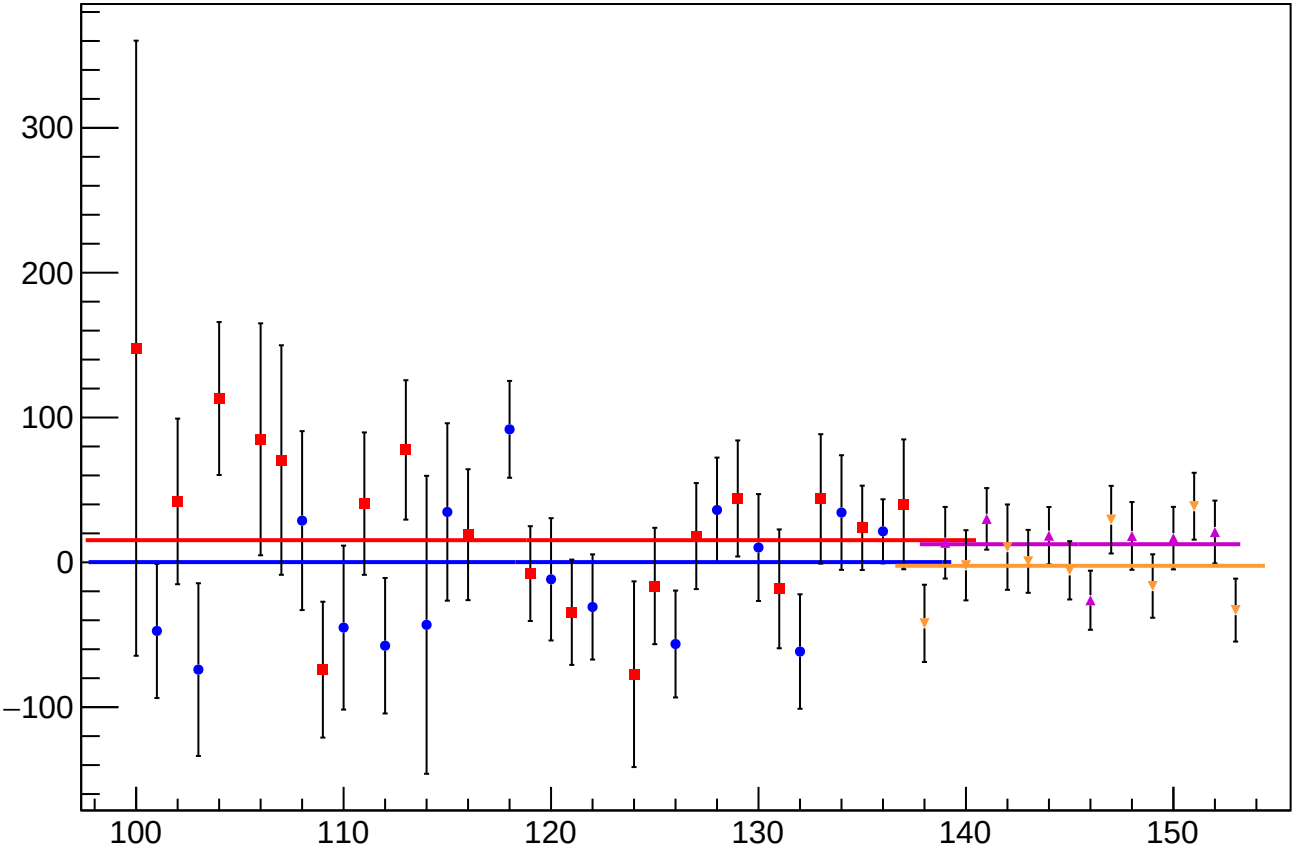
Left In: 180.845+/-0.053 χ^2/NDF:510661.6/6

+ sign 220.364+/-0.045 χ^2/NDF: 3892130.9/24

All: 221.417+/-0.032 χ^2/NDF: 8092723.0/50

- sign 222.569+/-0.047 χ^2/NDF: 4199429.7/25

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -2.385+/-7.725 χ^2/NDF:9.9/8

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

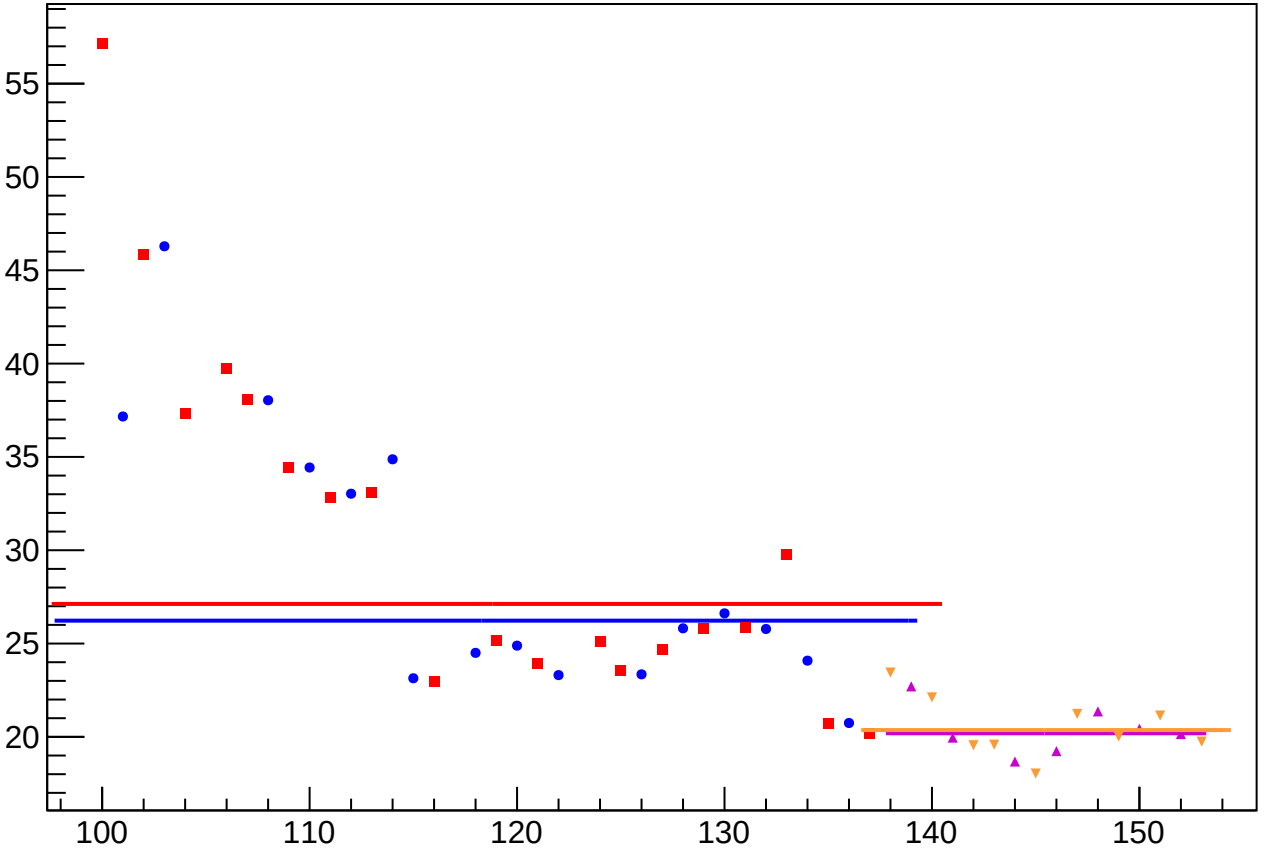
Left In: 12.515+/-8.191 χ^2/NDF:4.6/6

+ sign -1.440+/-6.124 χ^2/NDF: 31.2/24

All: 5.742+/-4.426 χ^2/NDF: 56.7/50

- sign 13.595+/-6.403 χ^2/NDF: 22.6/25

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.363+/-0.005 χ^2/NDF:75209.1/8

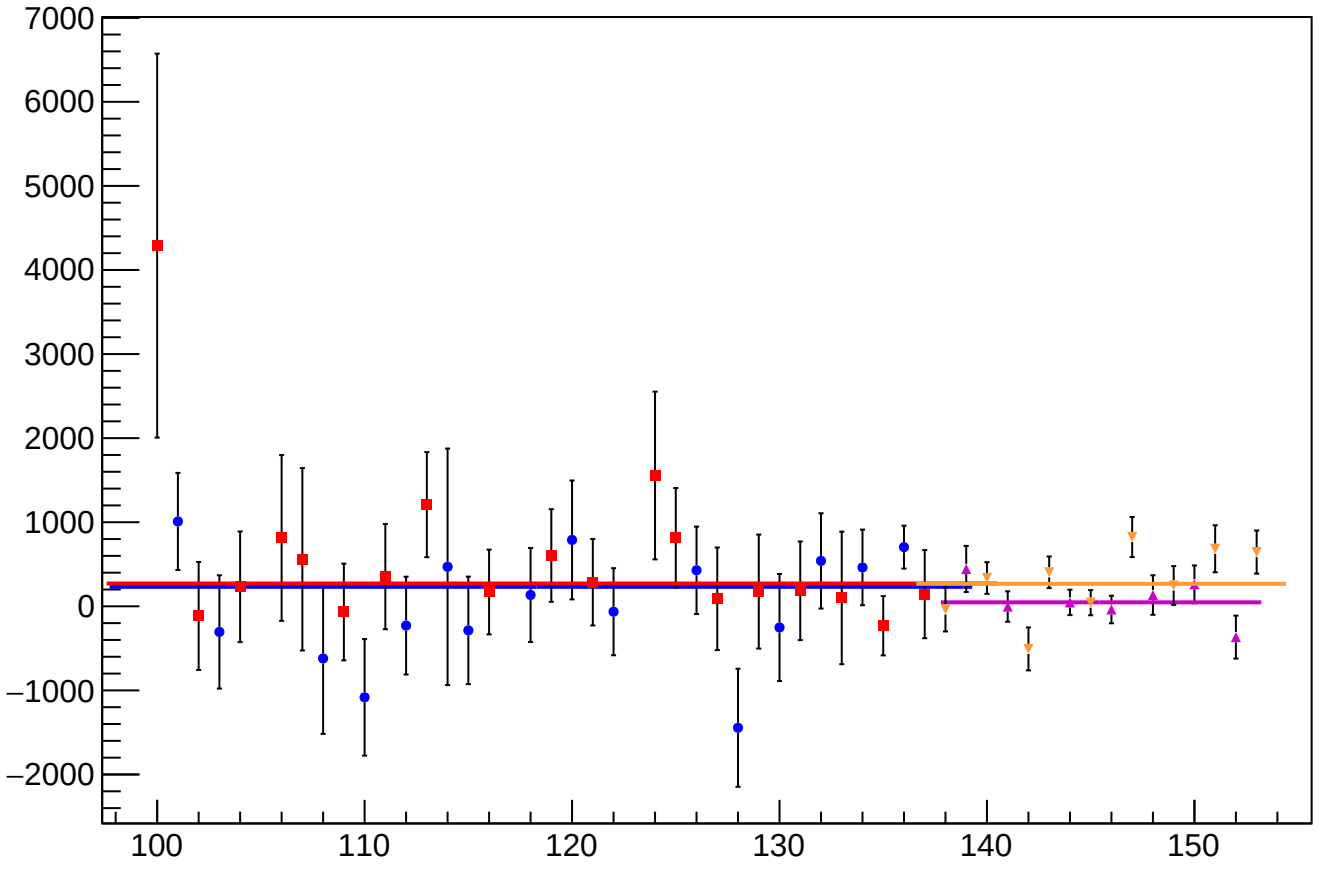
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.193+/-0.006 χ^2/NDF:42287.2/6

+ sign 22.542+/-0.004 χ^2/NDF: 1179331.0/24

All: 22.707+/-0.003 χ^2/NDF: 2527061.3/50

- sign 22.888+/-0.005 χ^2/NDF: 1344672.1/25



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 267.533+/-71.568 χ^2/NDF:23.3/8

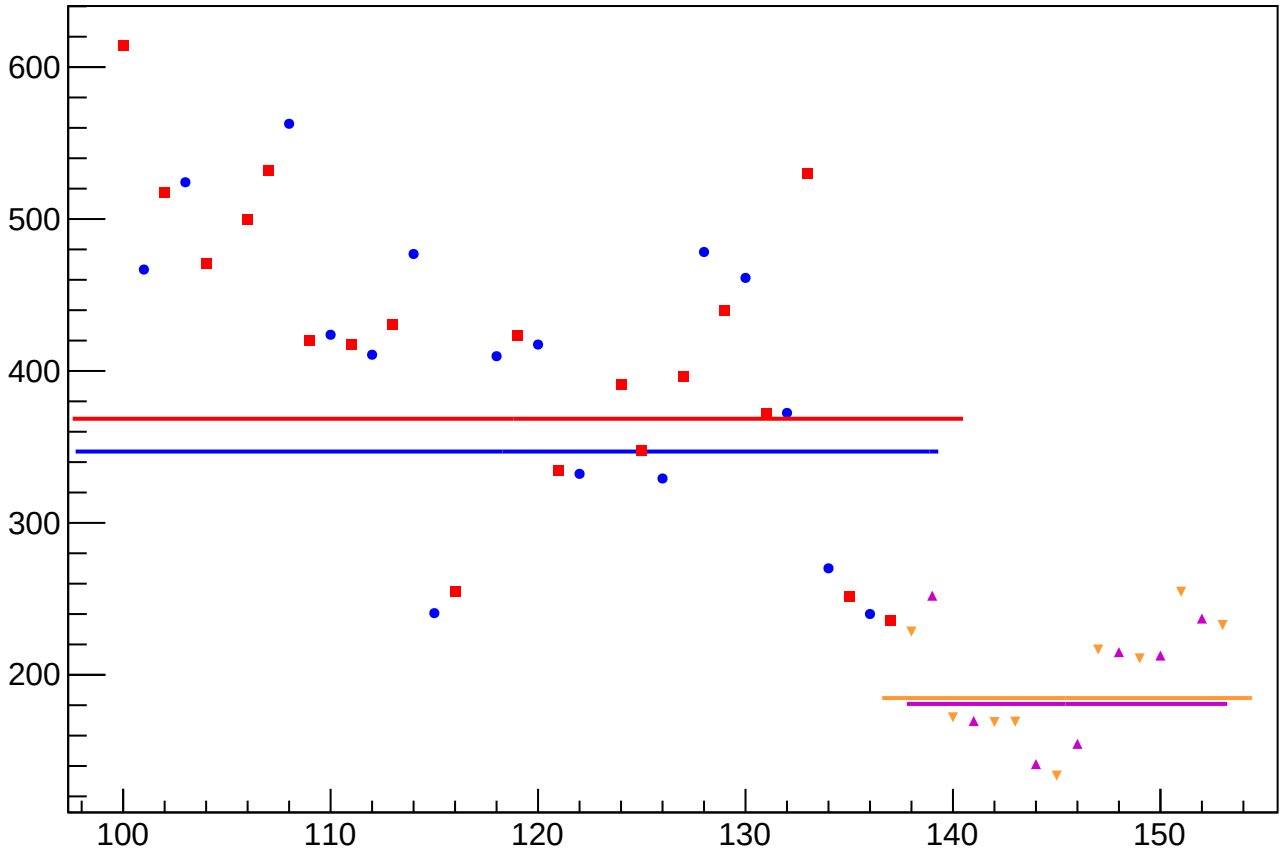
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 47.355+/-74.945 χ^2/NDF:6.1/6

+ sign 259.744+/-63.219 χ^2/NDF: 43.0/24

All: 182.064+/-45.685 χ^2/NDF: 65.9/50

- sign 97.160+/-66.093 χ^2/NDF: 19.7/25



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 184.714+/-0.051 χ^2/NDF:575454.8/8

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

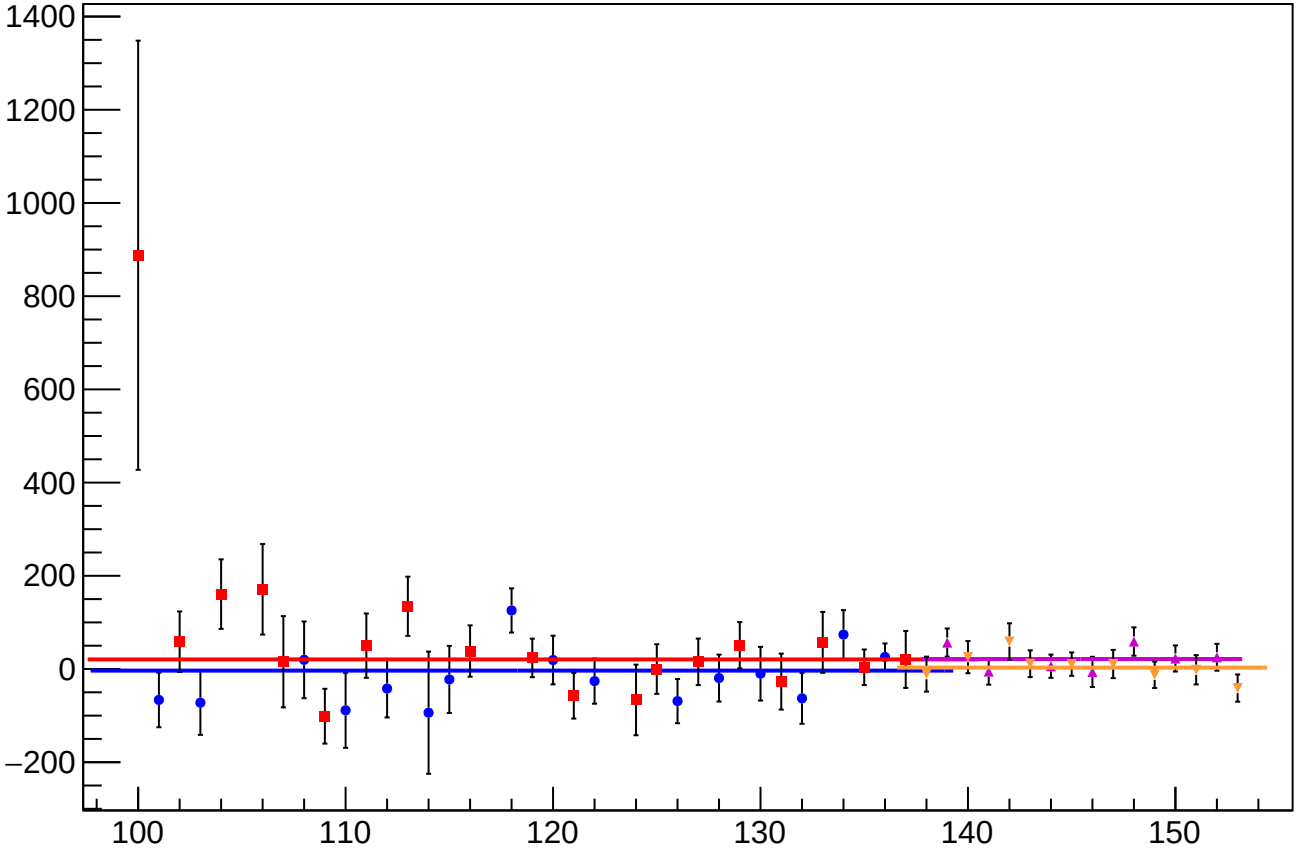
Left In: 180.845+/-0.053 χ^2/NDF:510661.6/6

+ sign 220.364+/-0.045 χ^2/NDF: 3892130.9/24

All: 221.417+/-0.032 χ^2/NDF: 8092723.0/50

- sign 222.569+/-0.047 χ^2/NDF: 4199429.7/25

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 3.030+/-10.246 χ^2/NDF:5.4/8

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

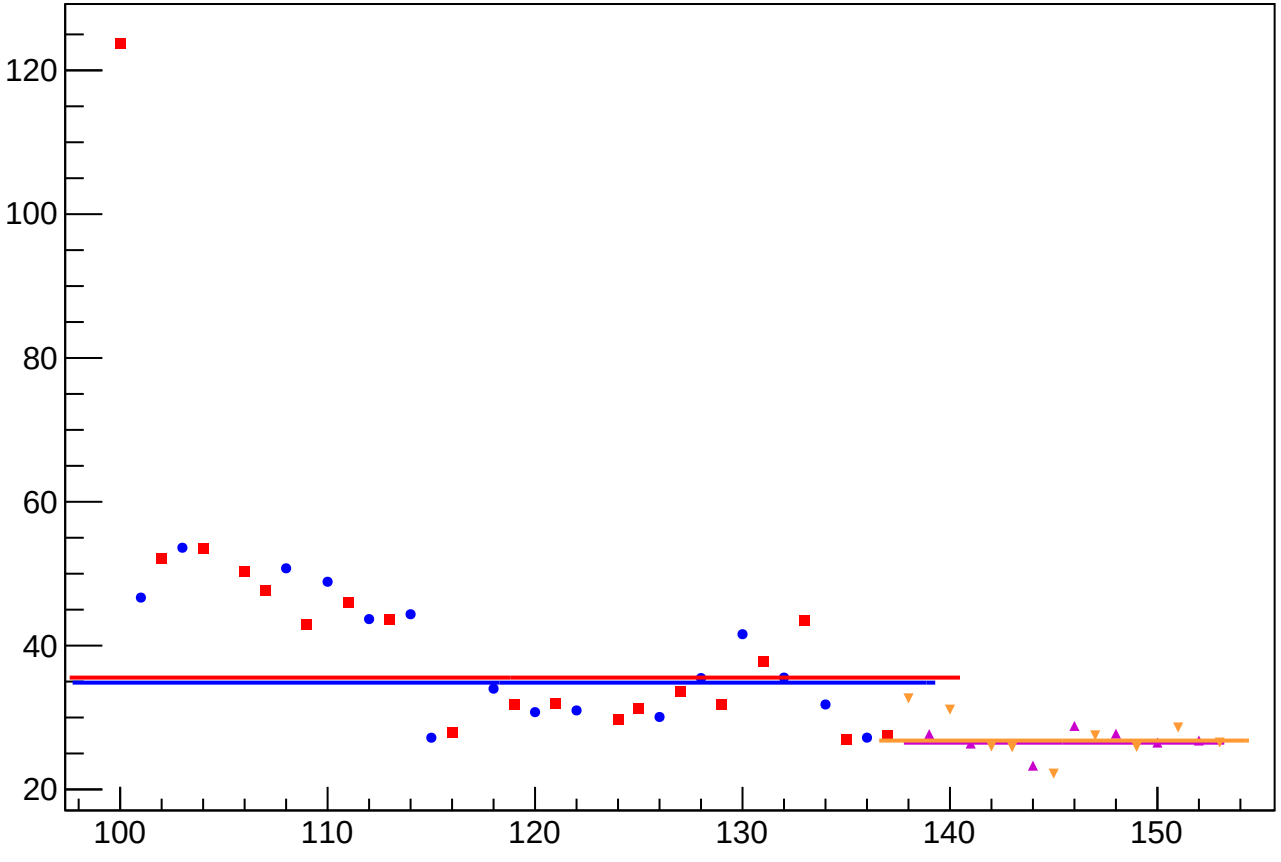
Left In: 21.459+/-10.869 χ^2/NDF:4.9/6

+ sign 0.648+/-8.137 χ^2/NDF: 24.0/24

All: 10.480+/-5.865 χ^2/NDF: 55.1/50

- sign 21.108+/-8.460 χ^2/NDF: 28.1/25

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.793+/-0.007 χ^2/NDF:160131.9/8

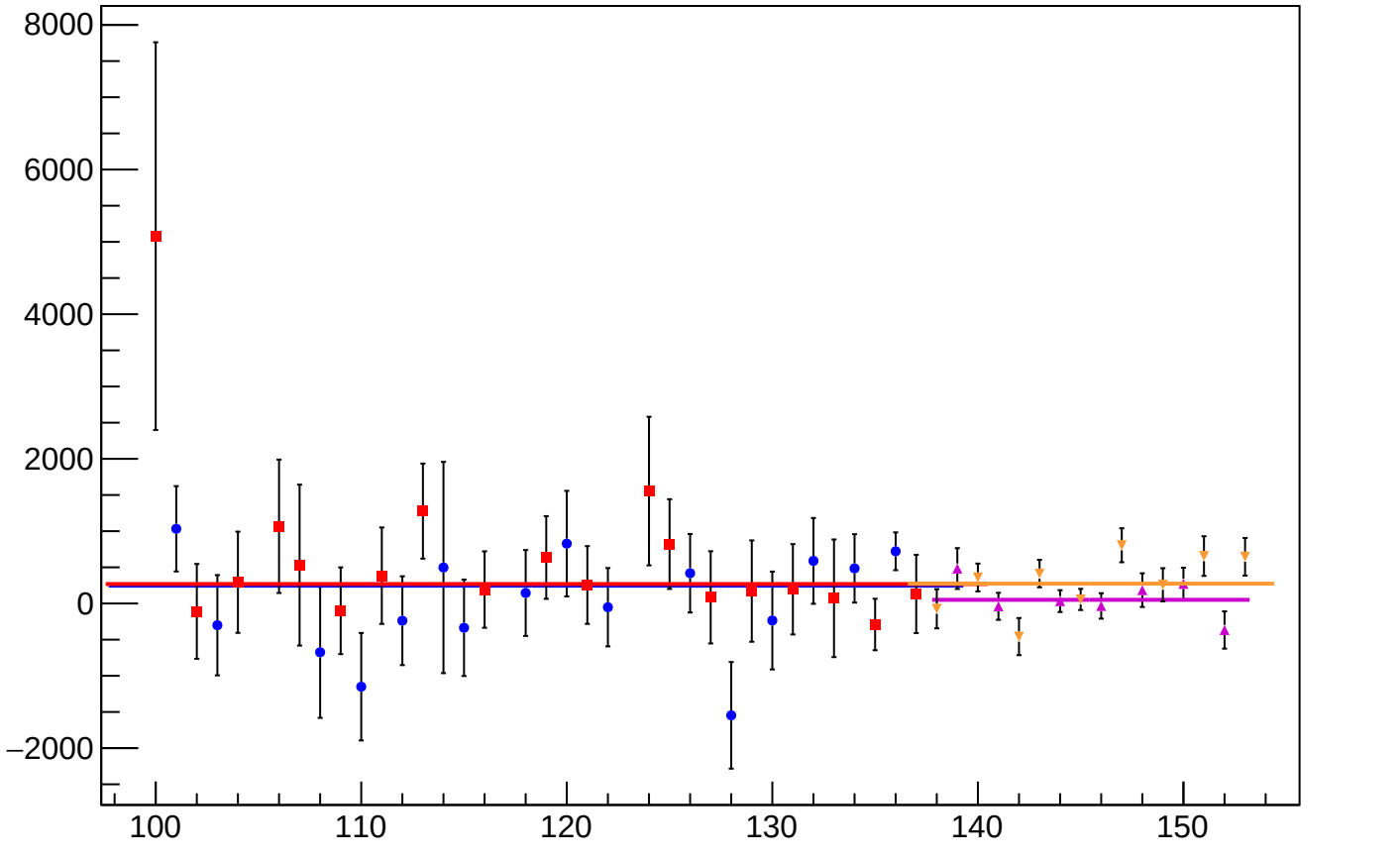
Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.500+/-0.008 χ^2/NDF:49829.5/6

+ sign 29.768+/-0.006 χ^2/NDF: 1274953.7/24

All: 29.912+/-0.004 χ^2/NDF: 2652825.8/50

- sign 30.069+/-0.006 χ^2/NDF: 1376555.8/25



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 274.296+/-71.498 χ^2/NDF:21.8/8

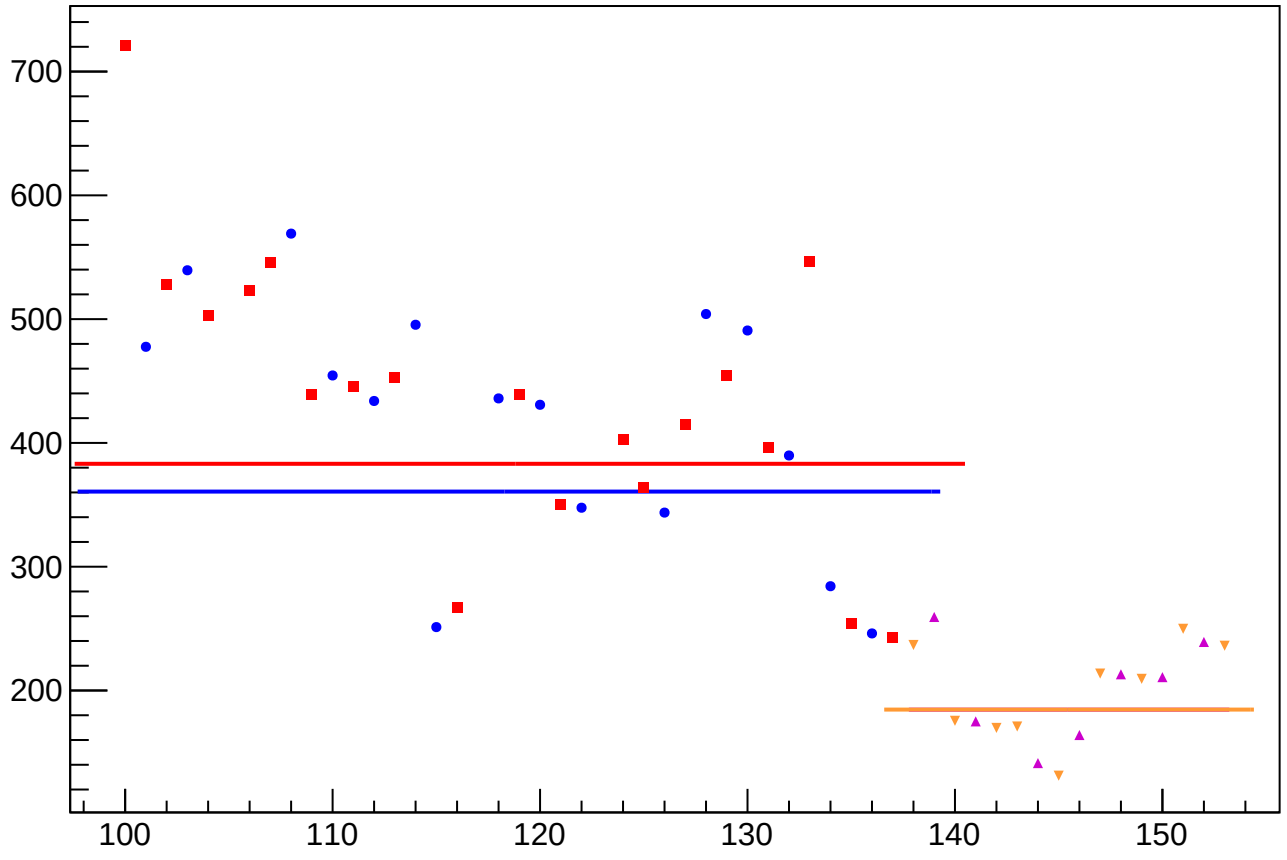
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 50.593+/-76.470 χ^2/NDF:6.8/6

+ sign 268.566+/-63.700 χ^2/NDF: 41.6/24

All: 188.408+/-46.383 χ^2/NDF: 66.2/50

- sign 97.950+/-67.670 χ^2/NDF: 21.2/25



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 184.582+/-0.051 χ^2/NDF:608321.6/8

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

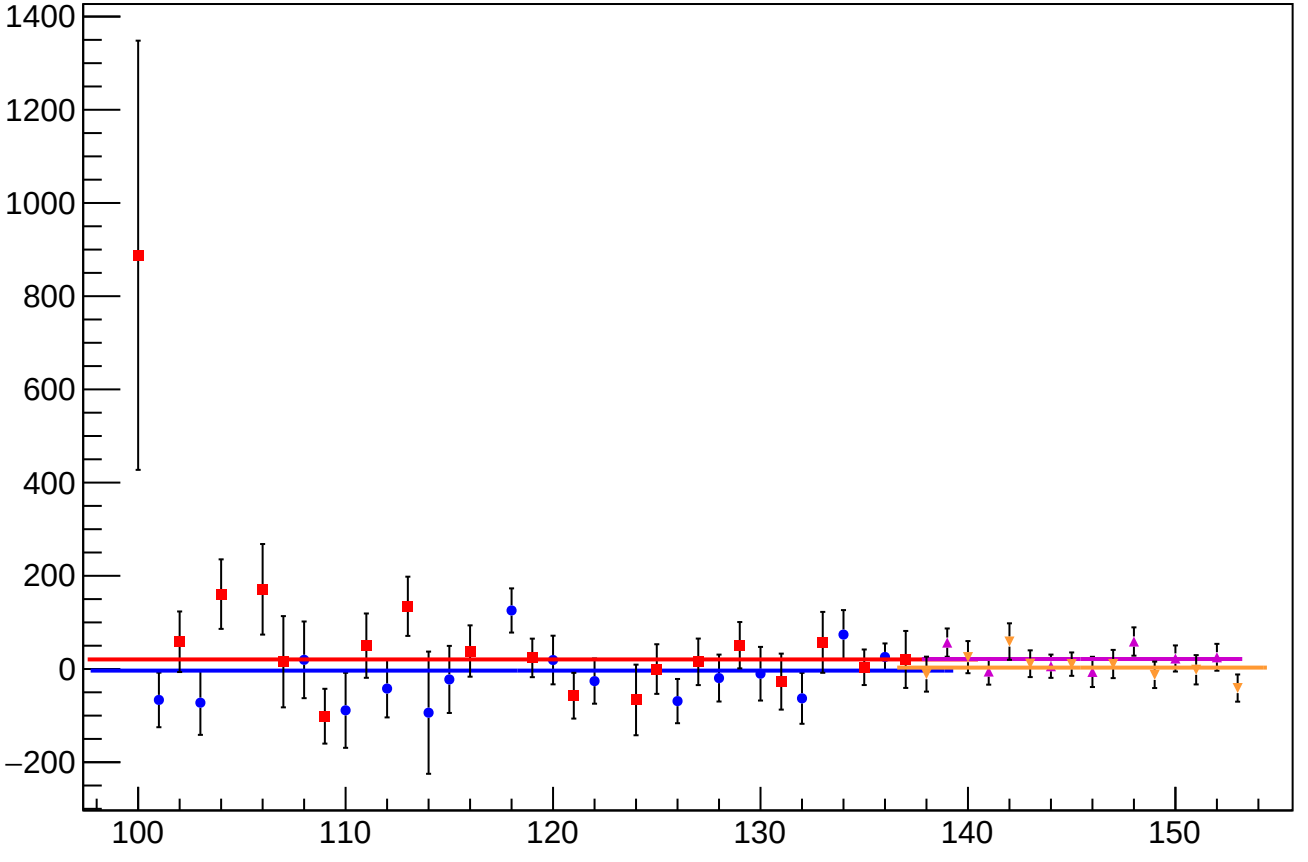
Left In: 184.501+/-0.054 χ^2/NDF:484544.5/6

+ sign 220.899+/-0.045 χ^2/NDF: 4203383.8/24

All: 224.041+/-0.033 χ^2/NDF: 8588439.8/50

- sign 227.587+/-0.048 χ^2/NDF: 4374699.8/25

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 3.031+/-10.246 χ^2/NDF:5.4/8

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

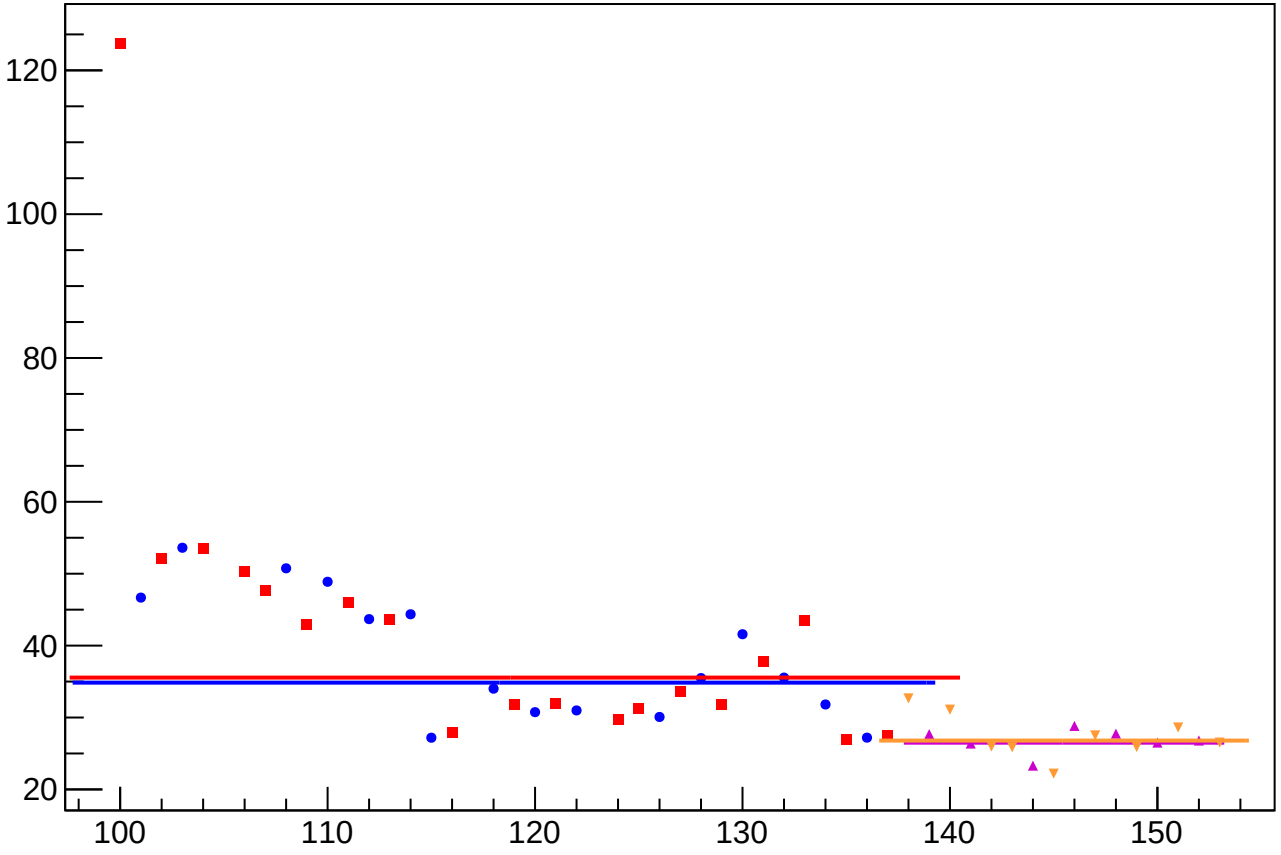
Left In: 21.459+/-10.869 χ^2/NDF:4.9/6

+ sign 0.647+/-8.137 χ^2/NDF: 24.0/24

All: 10.480+/-5.865 χ^2/NDF: 55.1/50

- sign 21.108+/-8.460 χ^2/NDF: 28.1/25

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.793+/-0.007 χ^2/NDF:160115.7/8

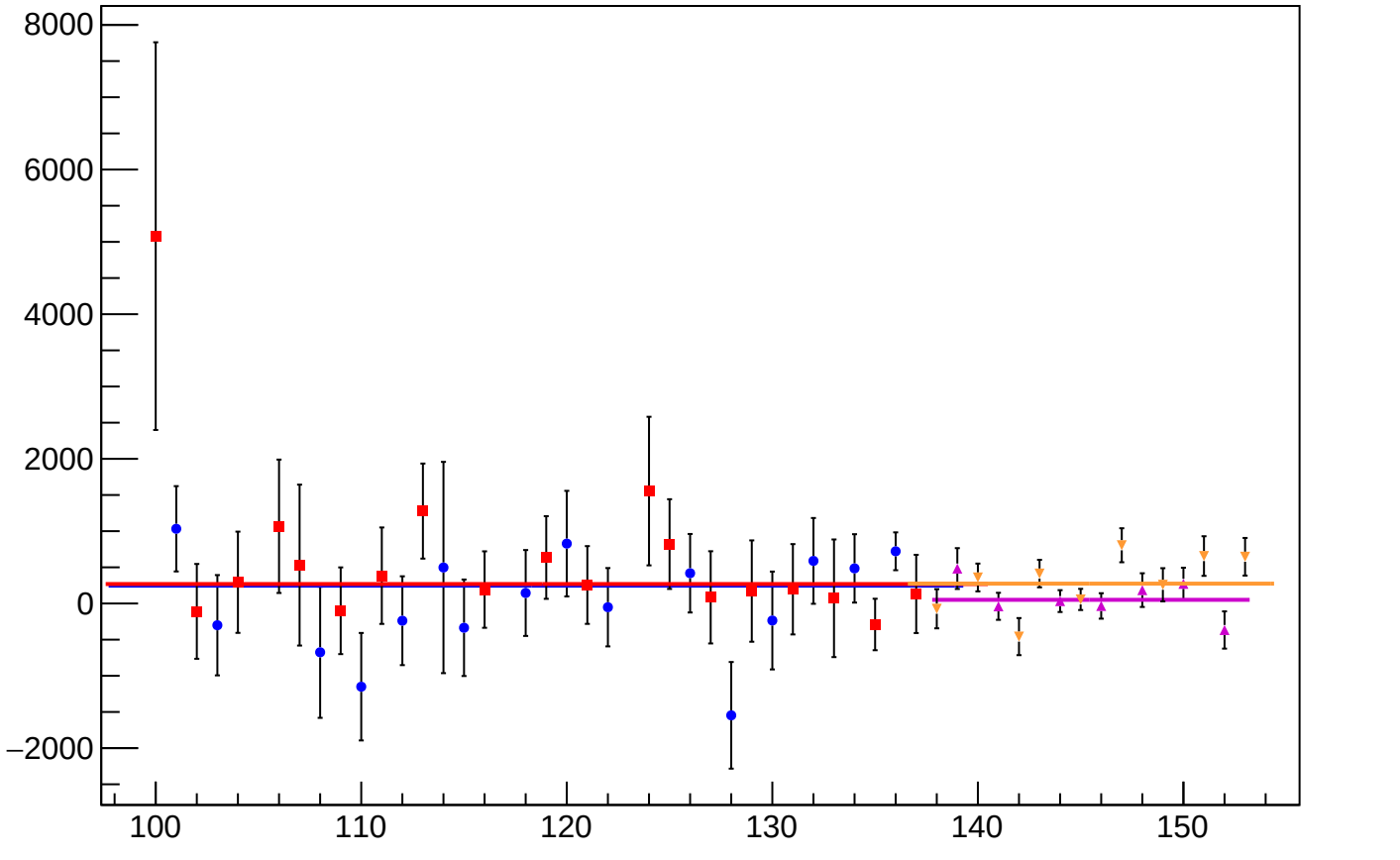
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.500+/-0.008 χ^2/NDF:49825.6/6

+ sign 29.768+/-0.006 χ^2/NDF: 1274828.9/24

All: 29.912+/-0.004 χ^2/NDF: 2652622.1/50

- sign 30.069+/-0.006 χ^2/NDF: 1376477.0/25



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 274.295+/-71.497 χ^2/NDF:21.8/8

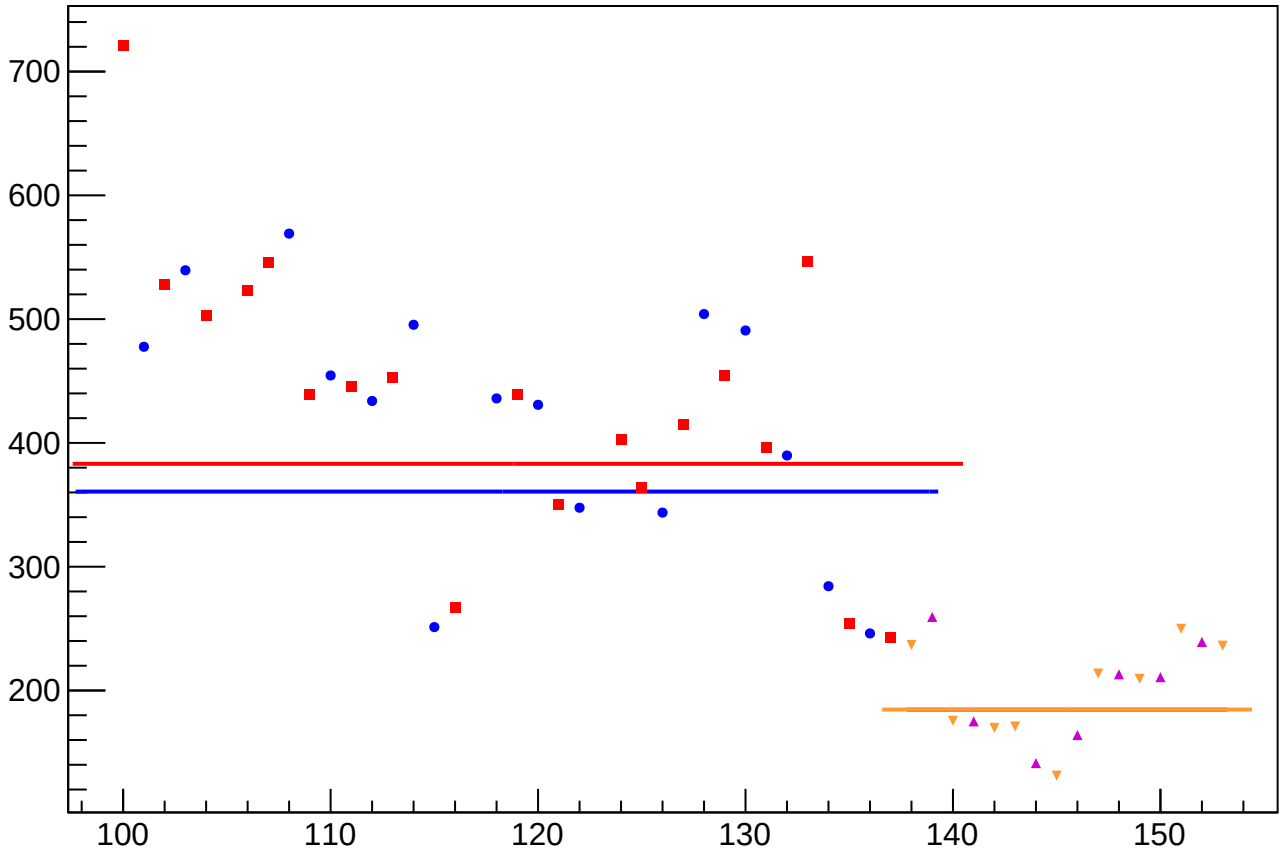
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 50.593+/-76.470 χ^2/NDF:6.8/6

+ sign 268.565+/-63.700 χ^2/NDF: 41.6/24

All: 188.408+/-46.383 χ^2/NDF: 66.2/50

- sign 97.950+/-67.670 χ^2/NDF: 21.2/25



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 184.582+/-0.051 χ^2/NDF:608333.3/8

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

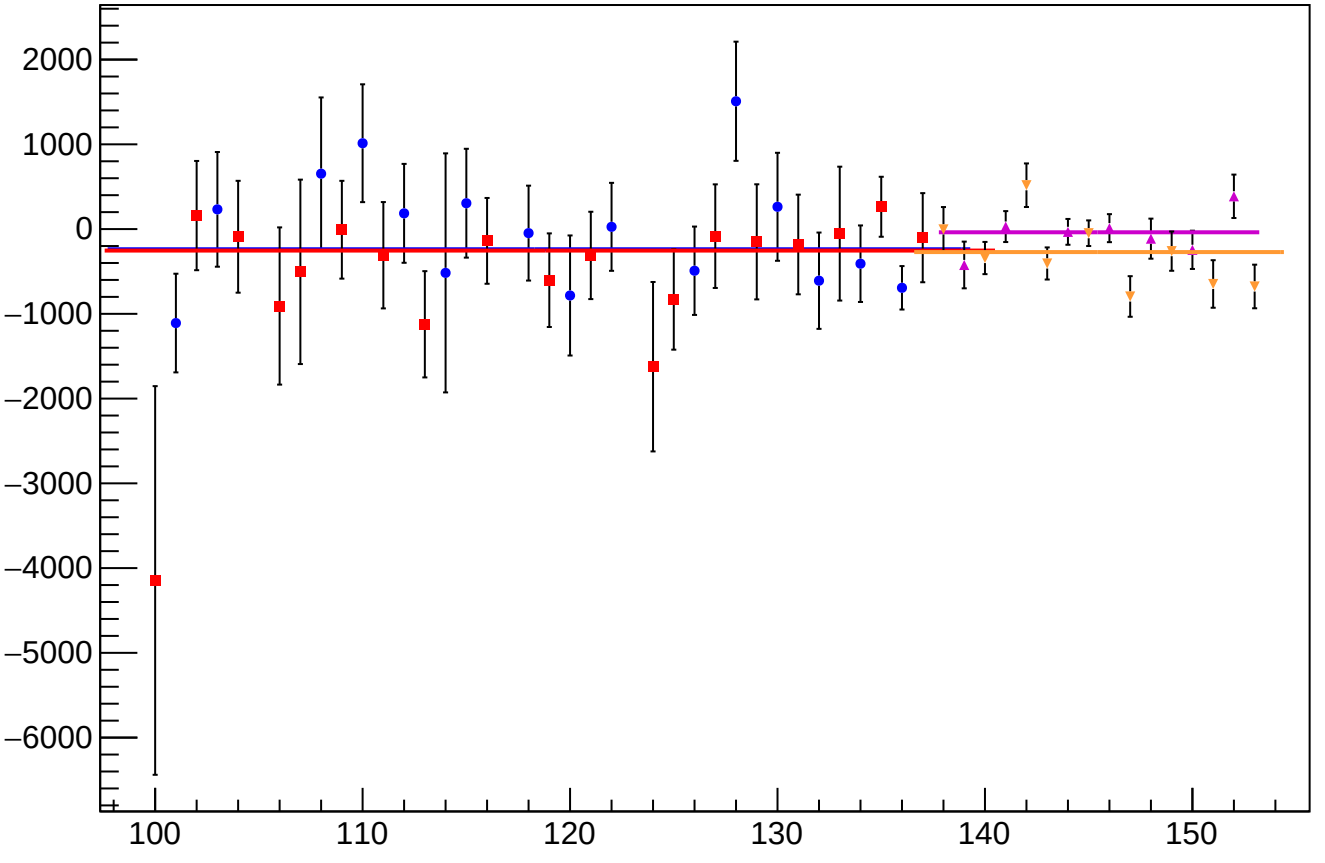
Left In: 184.501+/-0.054 χ^2/NDF:484544.2/6

+ sign 220.899+/-0.045 χ^2/NDF: 4203394.1/24

All: 224.041+/-0.033 χ^2/NDF: 8588445.5/50

- sign 227.586+/-0.048 χ^2/NDF: 4374694.5/25

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -271.242+/-72.043 χ^2/NDF:22.3/8

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

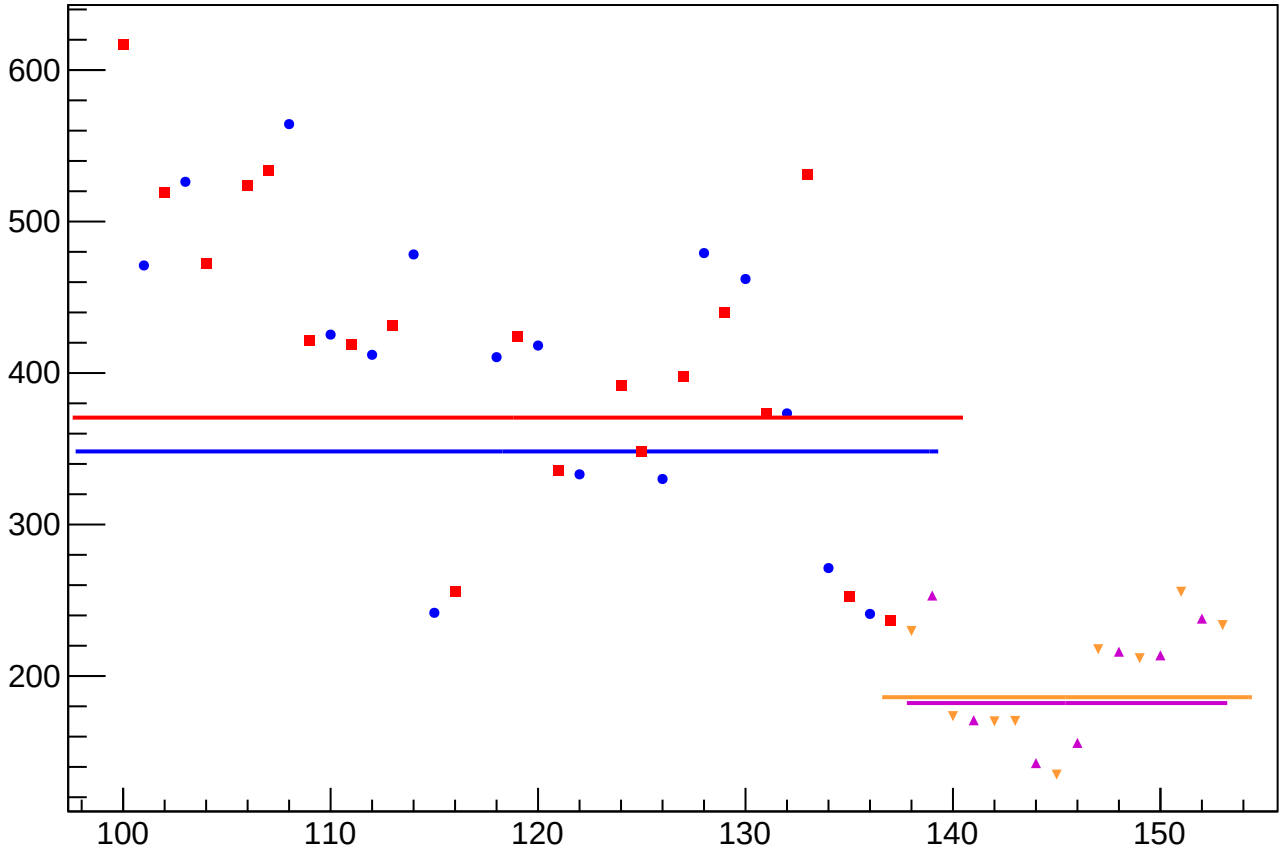
Left In: -37.735+/-75.453 χ^2/NDF:5.9/6

+ sign -263.913+/-63.596 χ^2/NDF: 42.3/24

All: -178.911+/-45.950 χ^2/NDF: 65.5/50

- sign -86.066+/-66.465 χ^2/NDF: 19.4/25

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 186.028+/-0.051 χ^2/NDF:564756.9/8

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

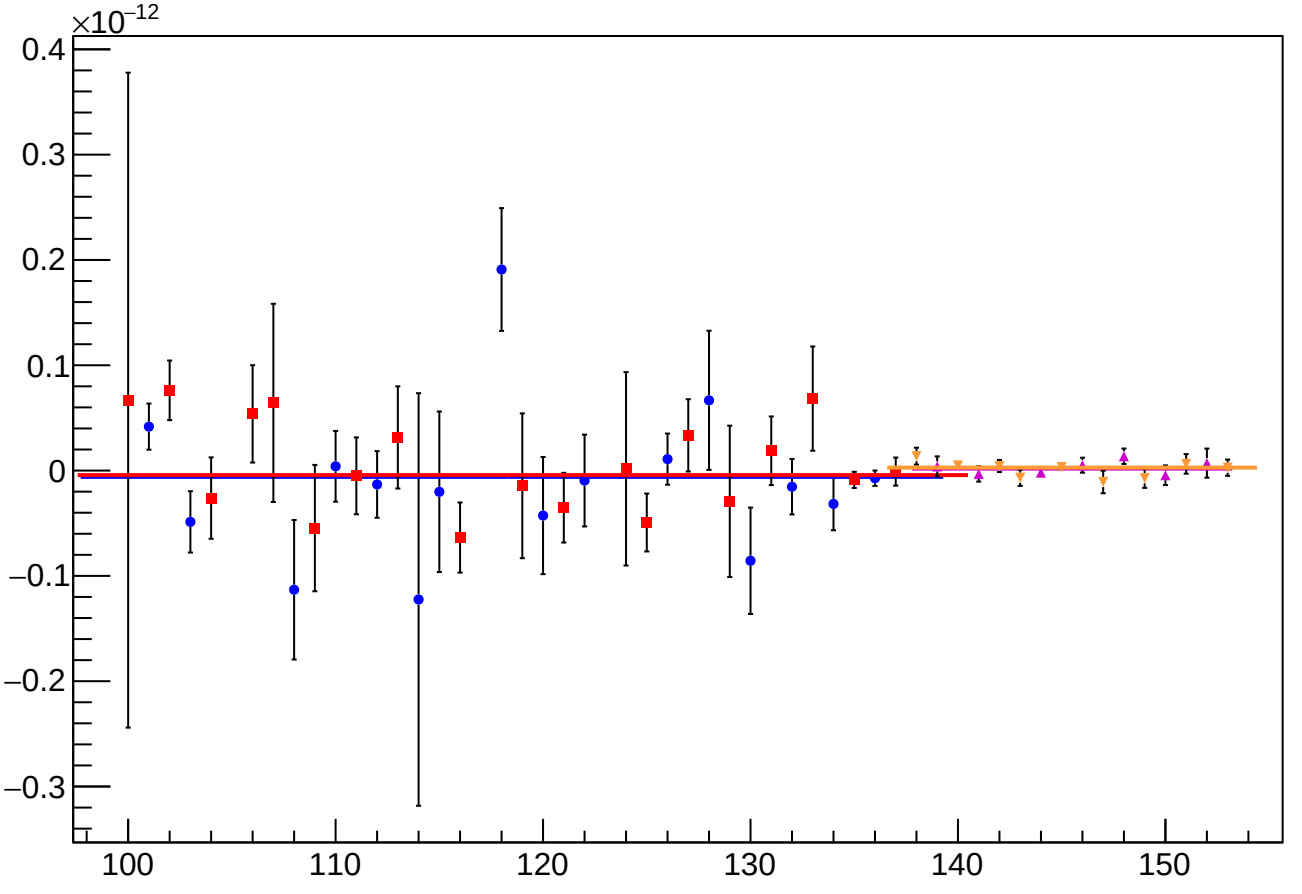
Left In: 182.154+/-0.053 χ^2/NDF:501396.7/6

+ sign 221.842+/-0.045 χ^2/NDF: 3860400.5/24

All: 223.052+/-0.032 χ^2/NDF: 8075980.6/50

- sign 224.374+/-0.047 χ^2/NDF: 4214065.4/25

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/8

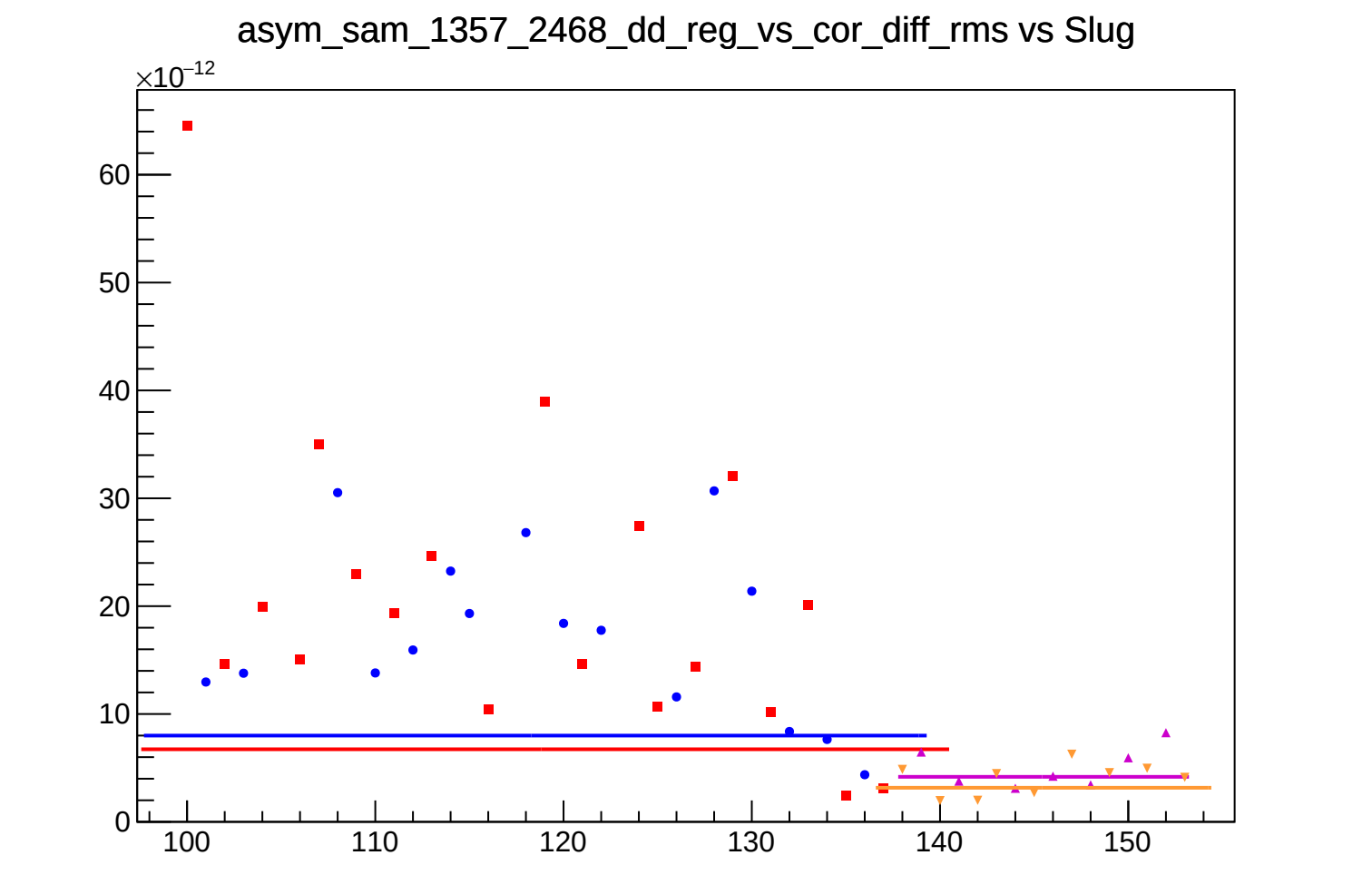
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/24

All: 0.000+/-0.000 χ^2/NDF: 64.7/50

- sign 0.000+/-0.000 χ^2/NDF: 28.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:745043.2/8

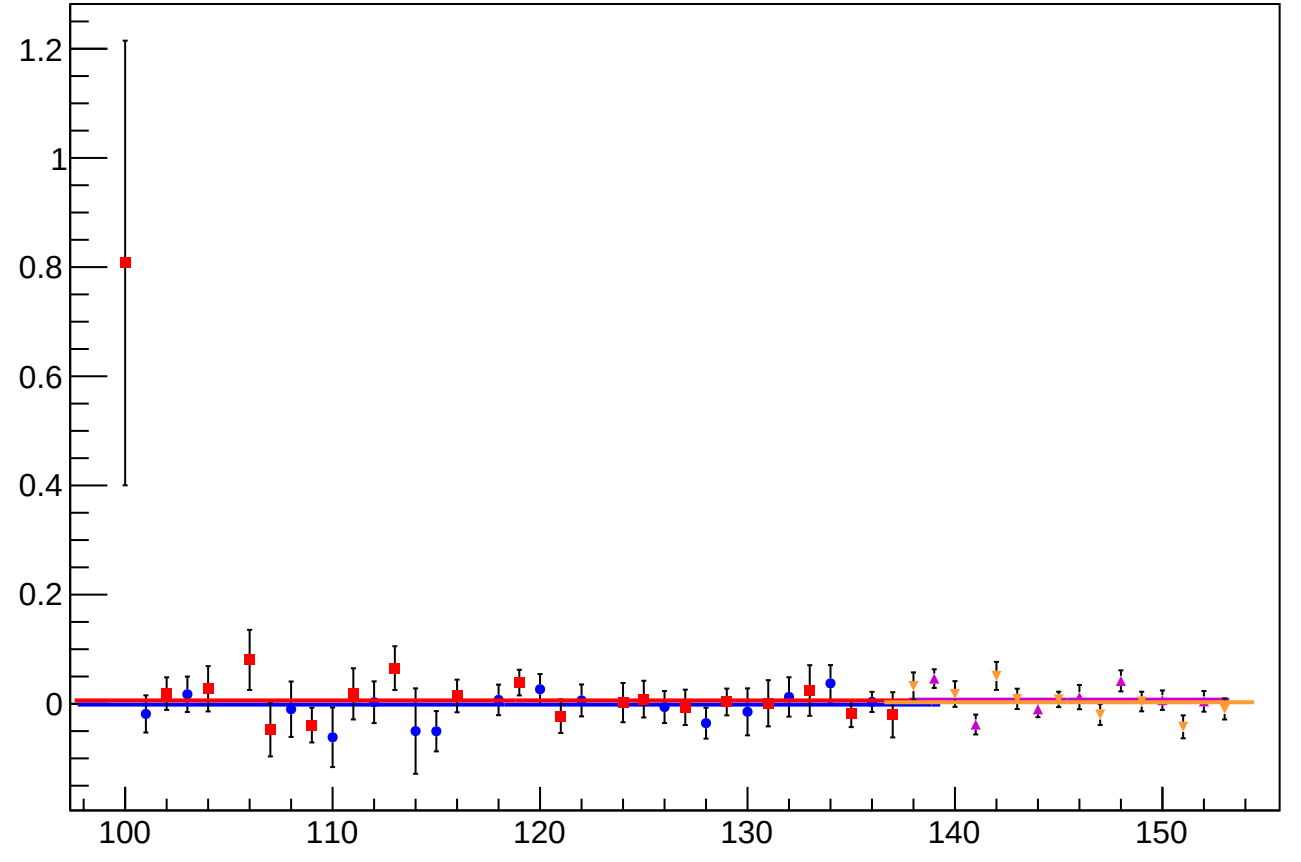
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:487302.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 3962592.8/24

All: 0.000+/-0.000 χ^2/NDF: 8337425.9/50

- sign 0.000+/-0.000 χ^2/NDF: 4204521.9/25



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.007 χ^2/NDF:12.0/8

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

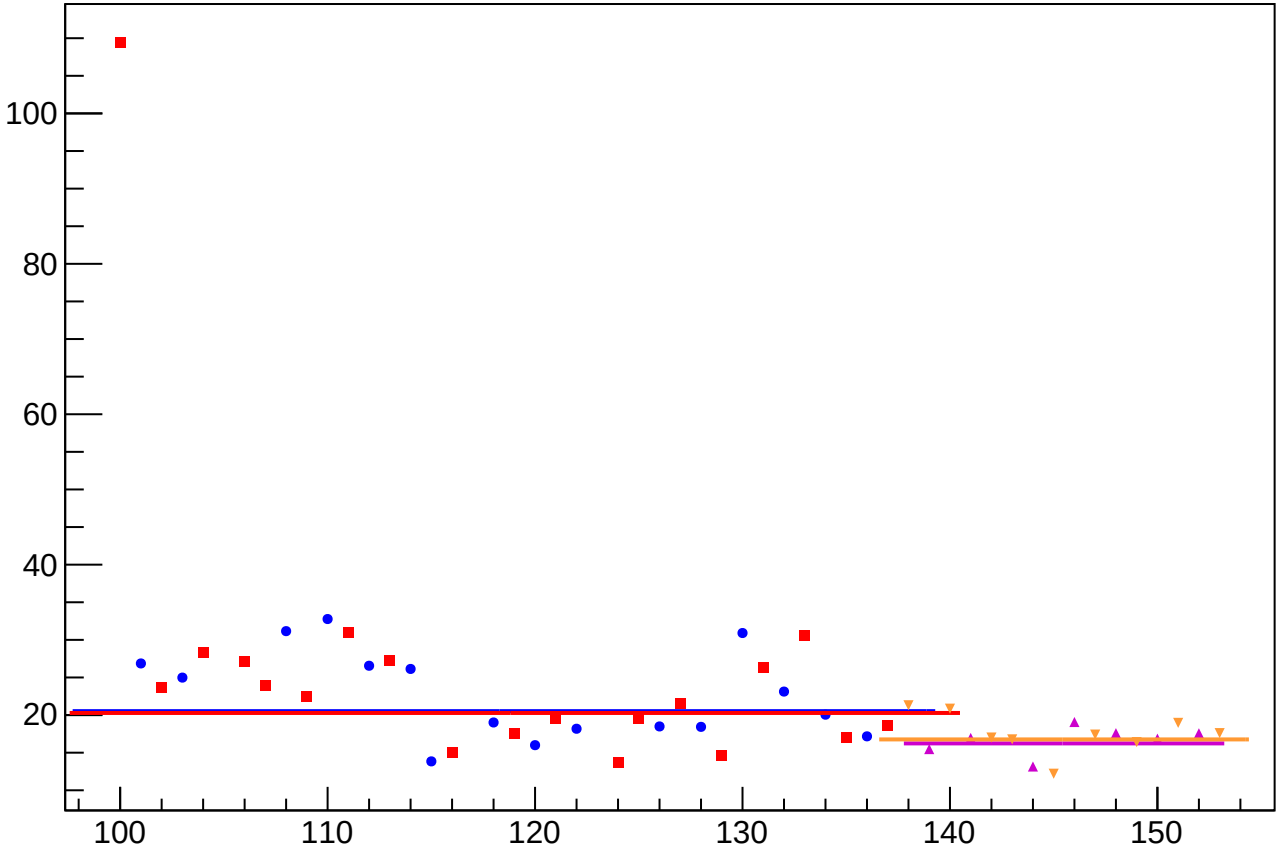
Left In: 0.008+/-0.007 χ^2/NDF:16.1/6

+ sign 0.001+/-0.005 χ^2/NDF: 20.4/24

All: 0.004+/-0.004 χ^2/NDF: 53.4/50

- sign 0.007+/-0.005 χ^2/NDF: 32.4/25

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.763+/-0.005 χ^2/NDF:363547.3/8

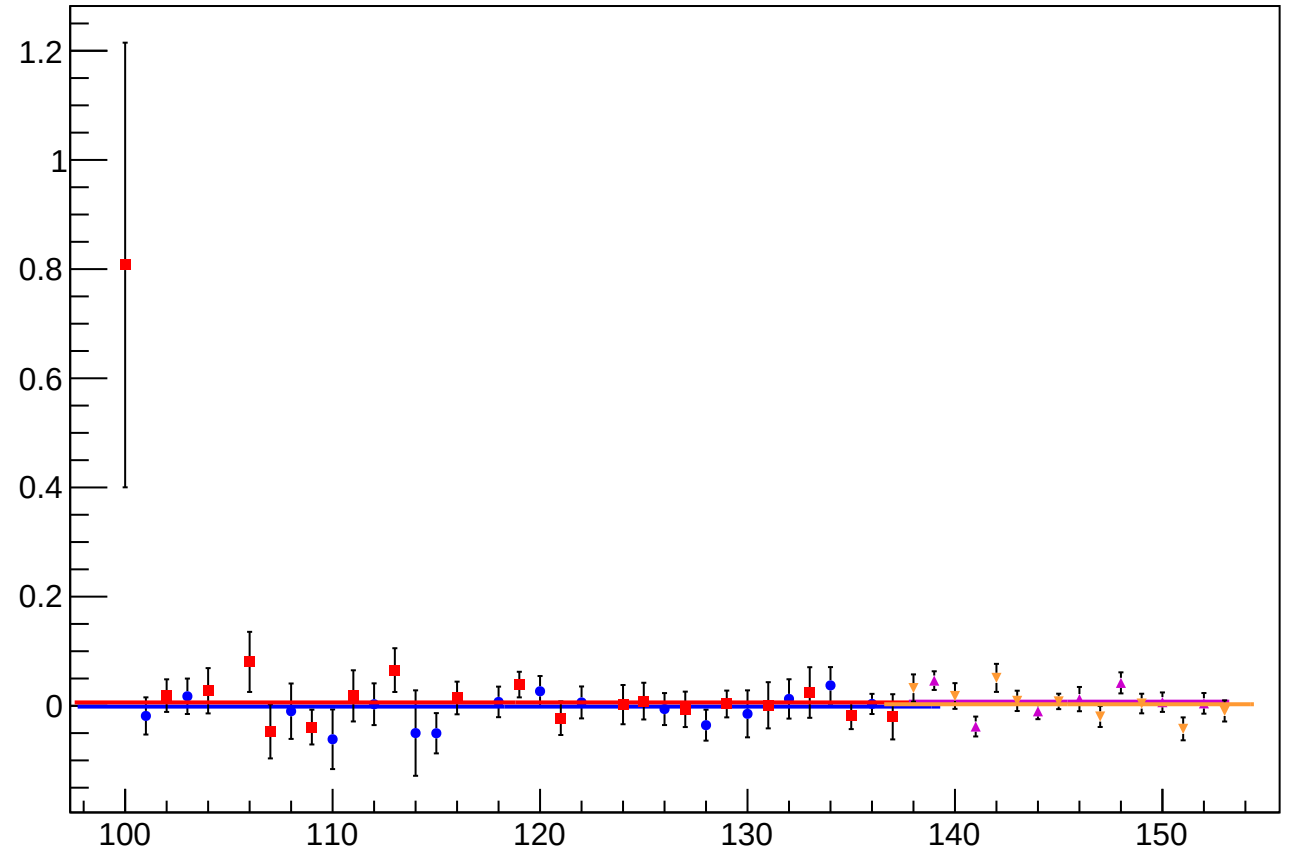
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.234+/-0.005 χ^2/NDF:153429.3/6

+ sign 18.248+/-0.004 χ^2/NDF: 1332553.0/24

All: 18.100+/-0.003 χ^2/NDF: 2657677.6/50

- sign 17.948+/-0.004 χ^2/NDF: 1321657.6/25



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.007 χ^2/NDF:12.0/8

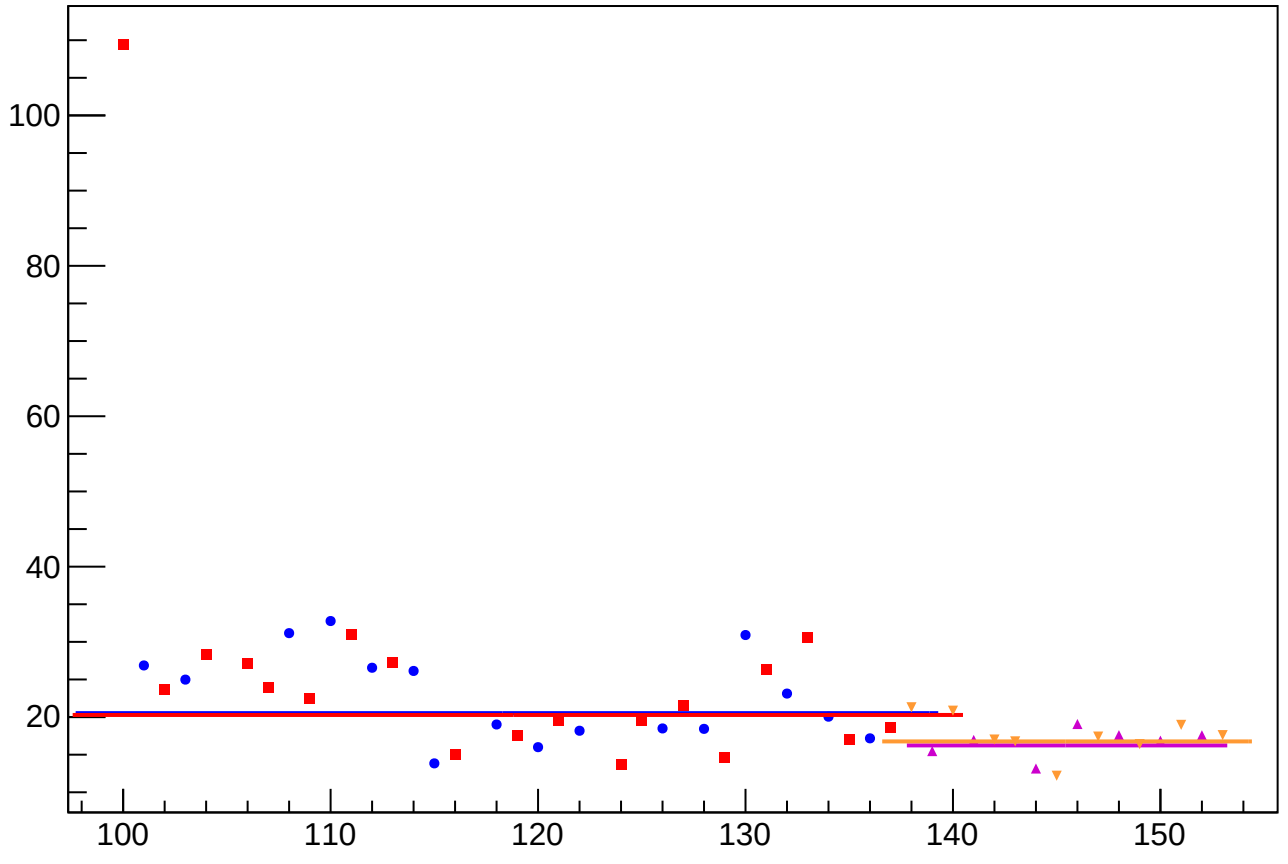
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.007 χ^2/NDF:16.1/6

+ sign 0.001+/-0.005 χ^2/NDF: 20.4/24

All: 0.004+/-0.004 χ^2/NDF: 53.4/50

- sign 0.007+/-0.005 χ^2/NDF: 32.4/25



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.763+/-0.005 χ^2/NDF:363547.3/8

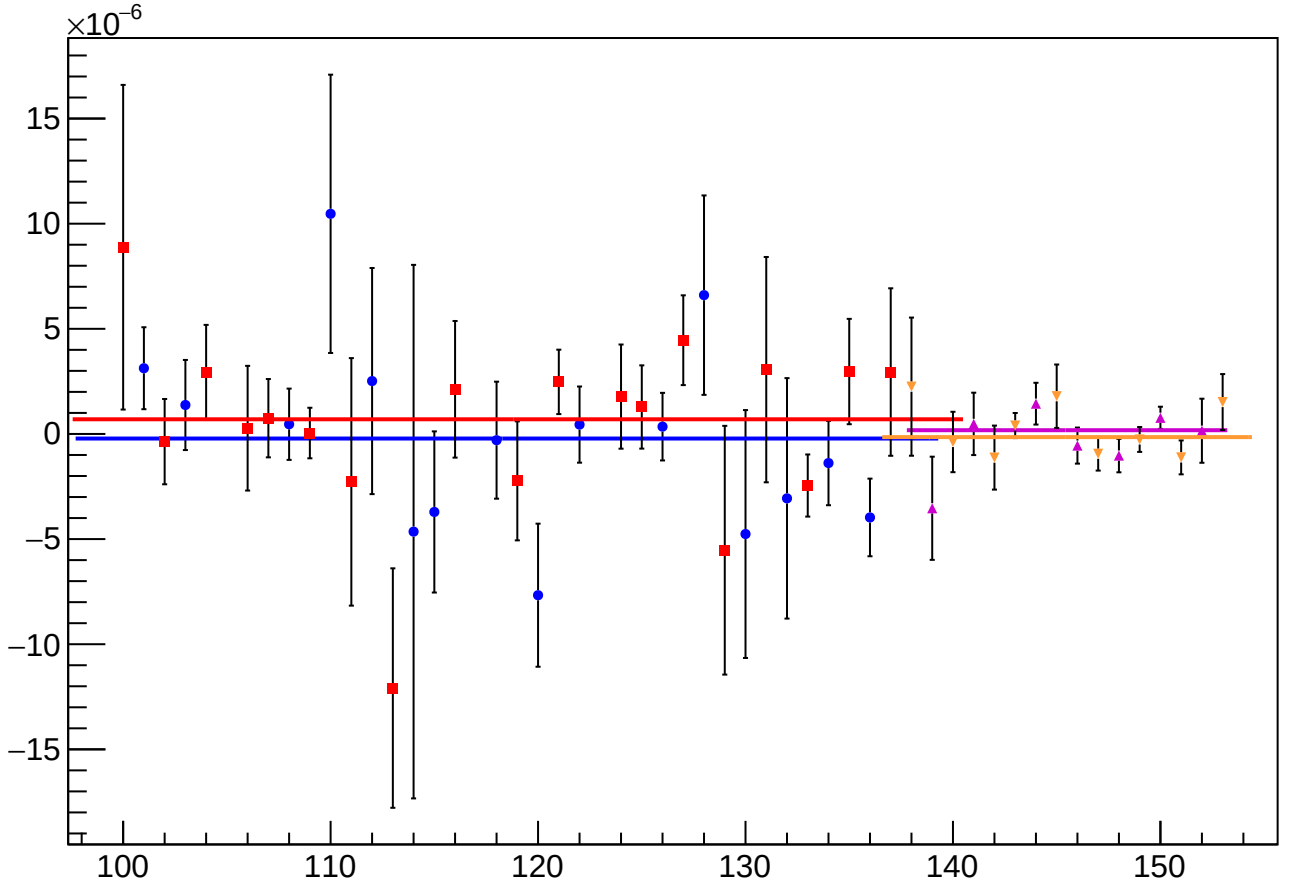
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.234+/-0.005 χ^2/NDF:153429.3/6

+ sign 18.248+/-0.004 χ^2/NDF: 1332553.0/24

All: 18.100+/-0.003 χ^2/NDF: 2657677.6/50

- sign 17.948+/-0.004 χ^2/NDF: 1321657.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/8

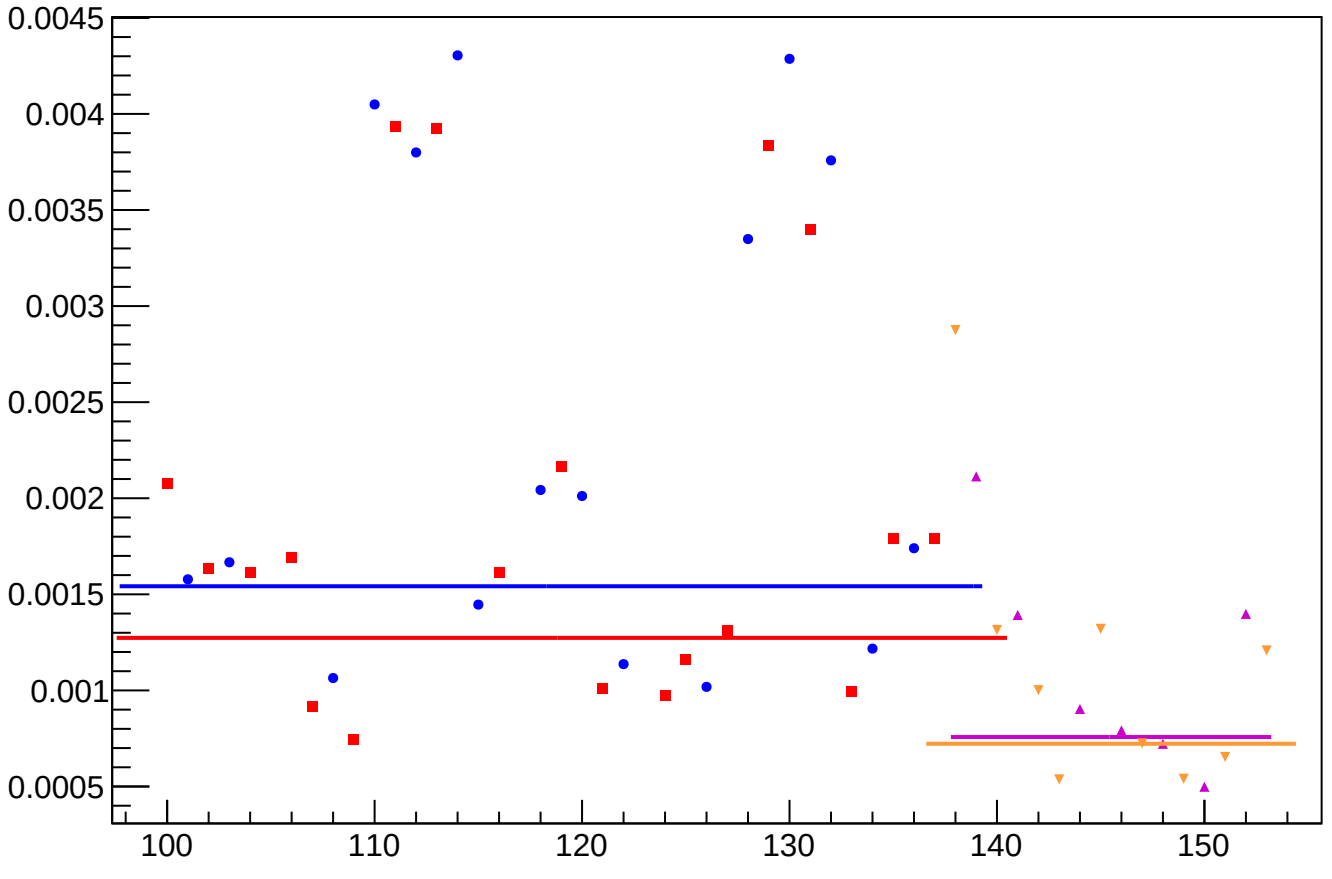
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/6

+ sign -0.000+/-0.000 χ^2/NDF: 27.4/24

All: 0.000+/-0.000 χ^2/NDF: 58.9/50

- sign 0.000+/-0.000 χ^2/NDF: 29.9/25



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2245029.0/8

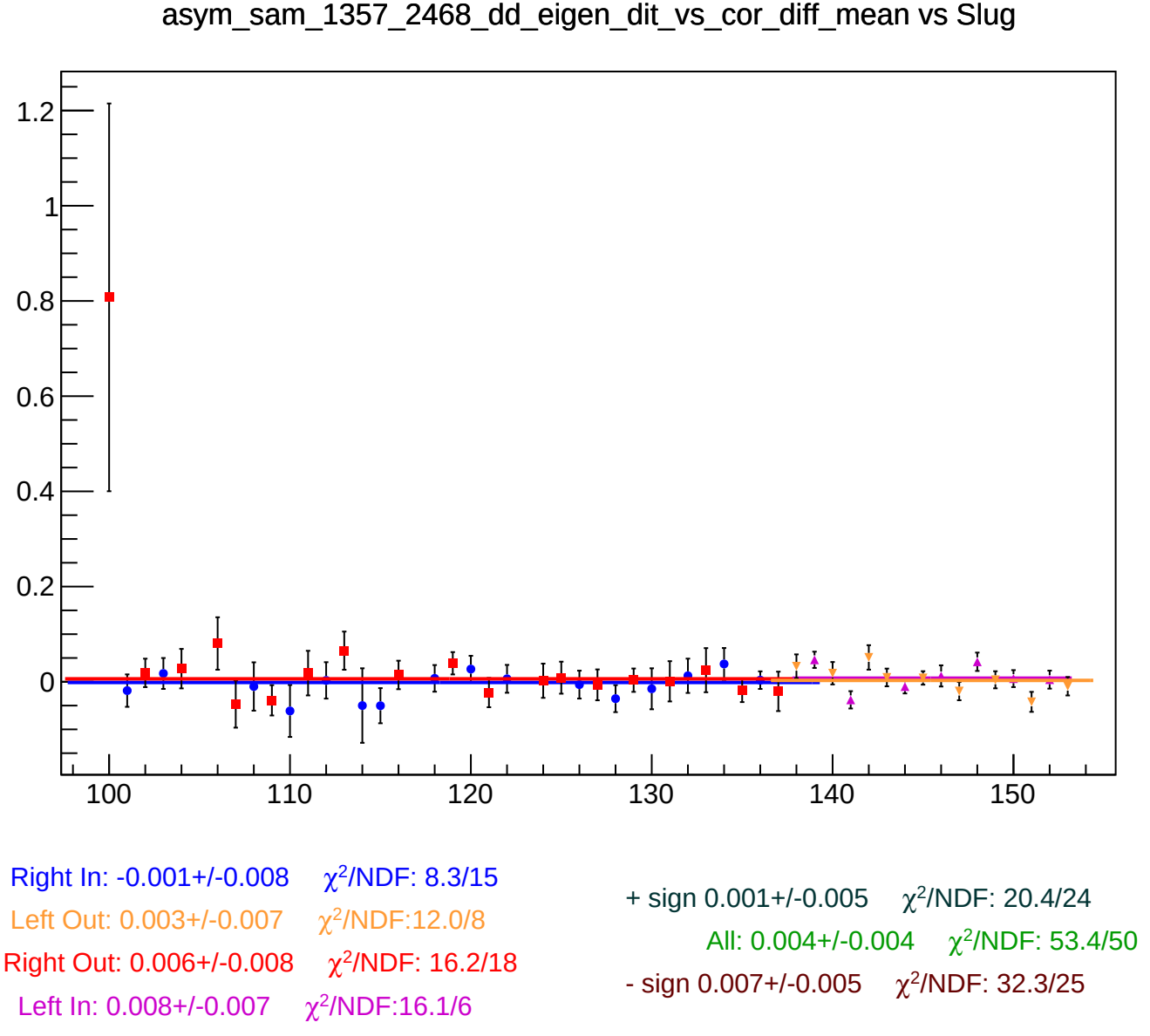
Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

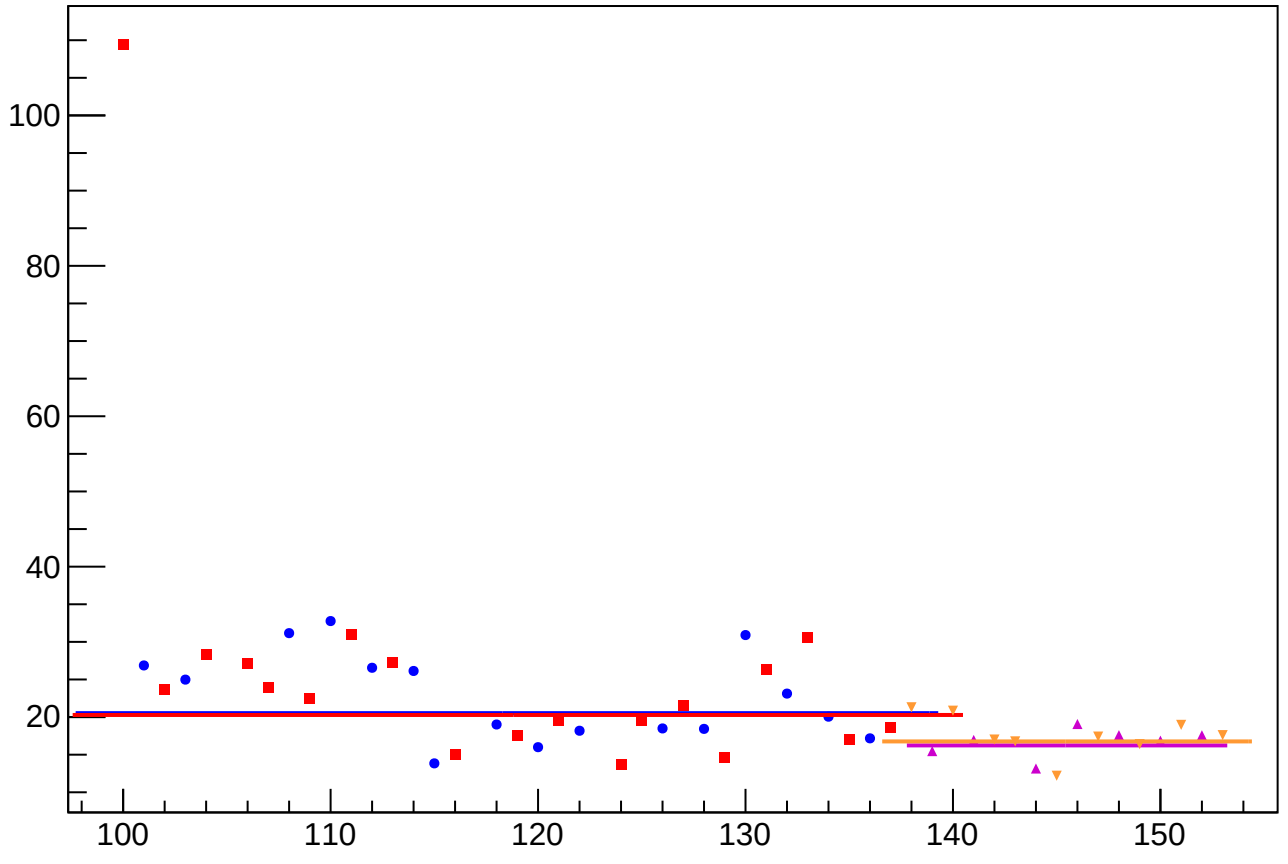
Left In: 0.001+/-0.000 χ^2/NDF:1862878.1/6

+ sign 0.001+/-0.000 χ^2/NDF: 7400438.3/24

All: 0.001+/-0.000 χ^2/NDF: 13306288.8/50

- sign 0.001+/-0.000 χ^2/NDF: 5891587.5/25


asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
Right In: -0.001+/-0.008 χ²/NDF: 8.3/15
Left Out: 0.003+/-0.007 χ²/NDF:12.0/8
Right Out: 0.006+/-0.008 χ²/NDF: 16.2/18
Left In: 0.008+/-0.007 χ²/NDF:16.1/6
+ sign 0.001+/-0.005 χ²/NDF: 20.4/24
All: 0.004+/-0.004 χ²/NDF: 53.4/50
- sign 0.007+/-0.005 χ²/NDF: 32.3/25



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.764+/-0.005 χ^2/NDF:363482.1/8

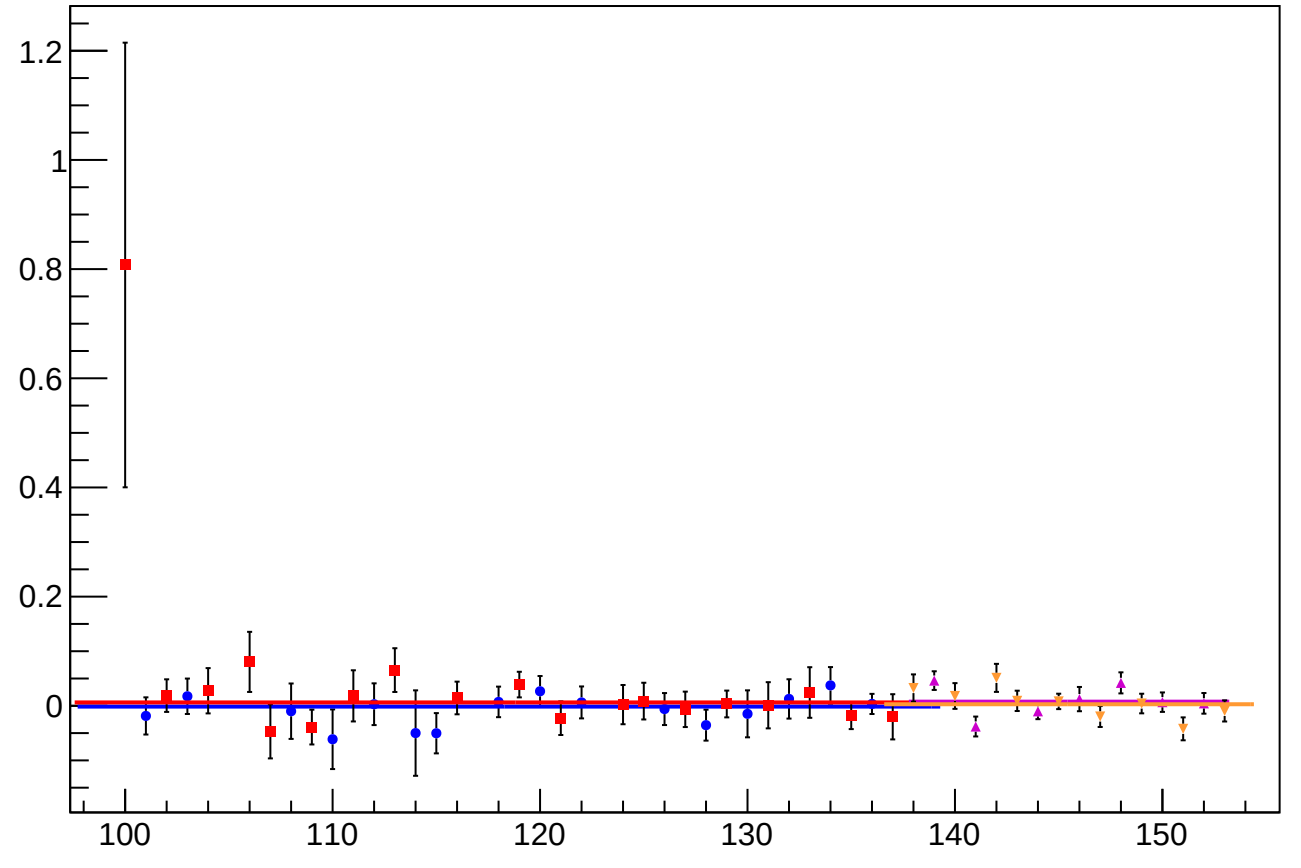
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.234+/-0.005 χ^2/NDF:153438.0/6

+ sign 18.248+/-0.004 χ^2/NDF: 1332264.3/24

All: 18.100+/-0.003 χ^2/NDF: 2657313.1/50

- sign 17.948+/-0.004 χ^2/NDF: 1321577.1/25



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.007 χ^2/NDF:12.0/8

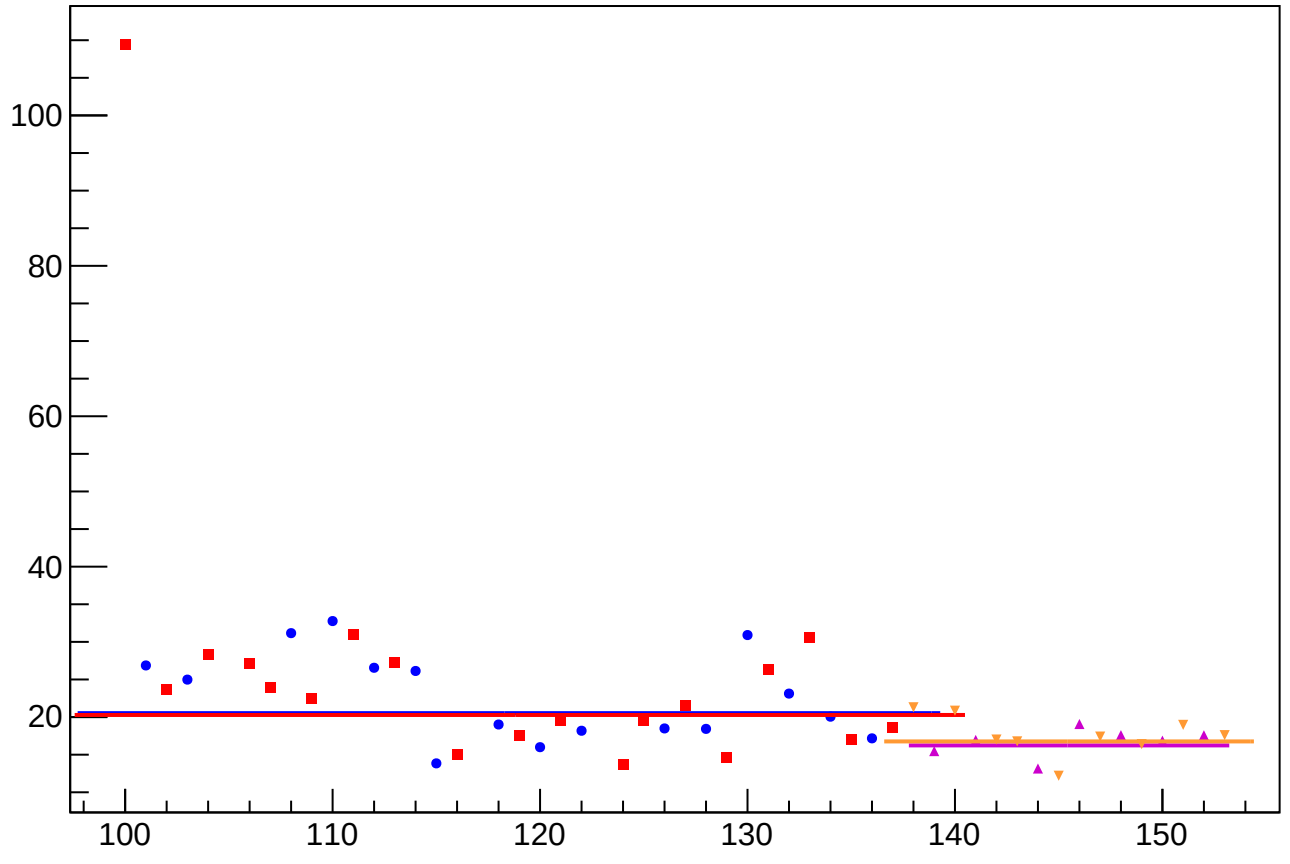
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.008+/-0.007 χ^2/NDF:16.1/6

+ sign 0.001+/-0.005 χ^2/NDF: 20.4/24

All: 0.004+/-0.004 χ^2/NDF: 53.4/50

- sign 0.007+/-0.005 χ^2/NDF: 32.3/25



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.764+/-0.005 χ^2/NDF:363482.1/8

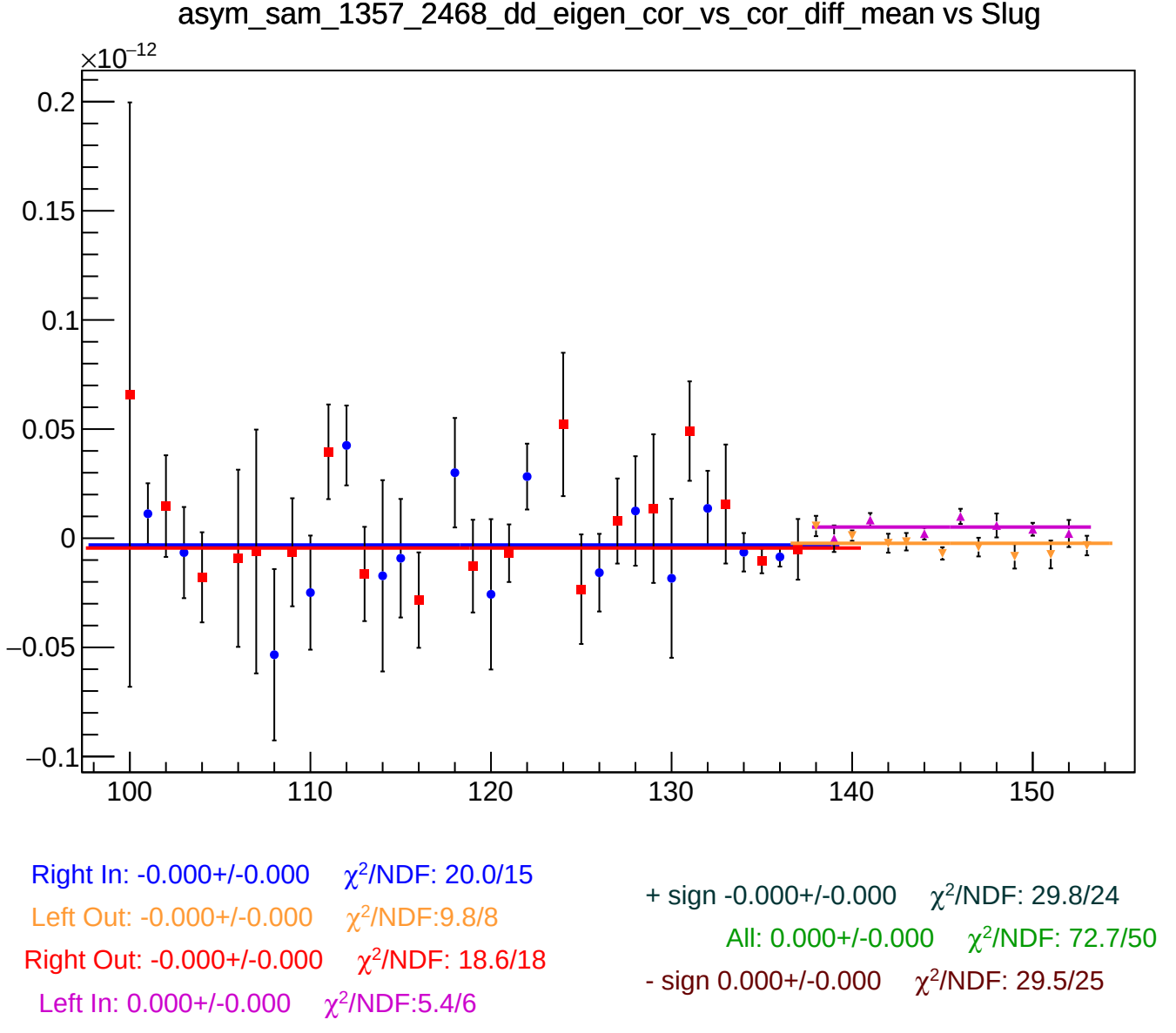
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

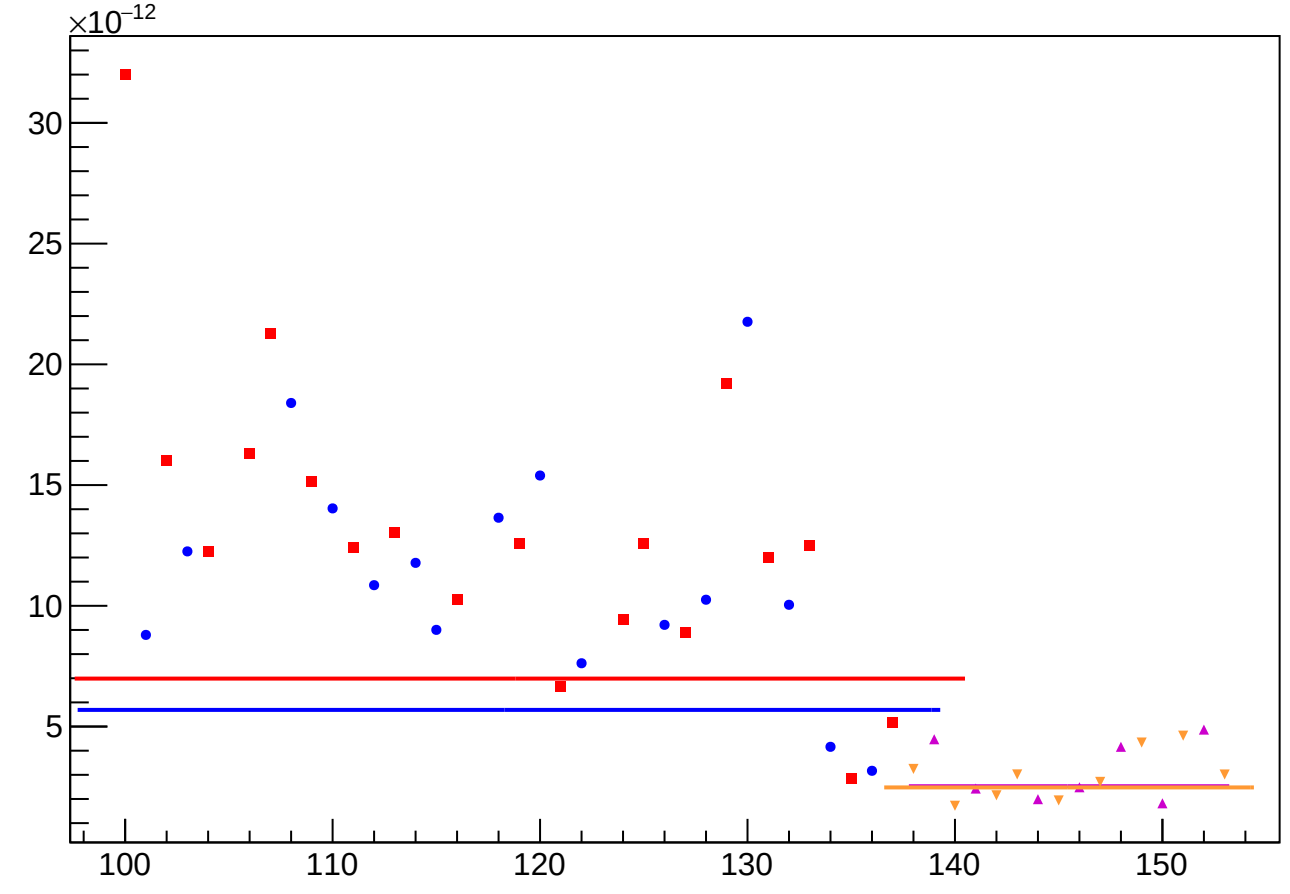
Left In: 16.234+/-0.005 χ^2/NDF:153438.0/6

+ sign 18.248+/-0.004 χ^2/NDF: 1332264.3/24

All: 18.100+/-0.003 χ^2/NDF: 2657313.1/50

- sign 17.948+/-0.004 χ^2/NDF: 1321577.1/25


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:9.8/8
Right Out: -0.000+/-0.000 χ²/NDF: 18.6/18
Left In: 0.000+/-0.000 χ²/NDF:5.4/6
+ sign -0.000+/-0.000 χ²/NDF: 29.8/24
All: 0.000+/-0.000 χ²/NDF: 72.7/50
- sign 0.000+/-0.000 χ²/NDF: 29.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:858627.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

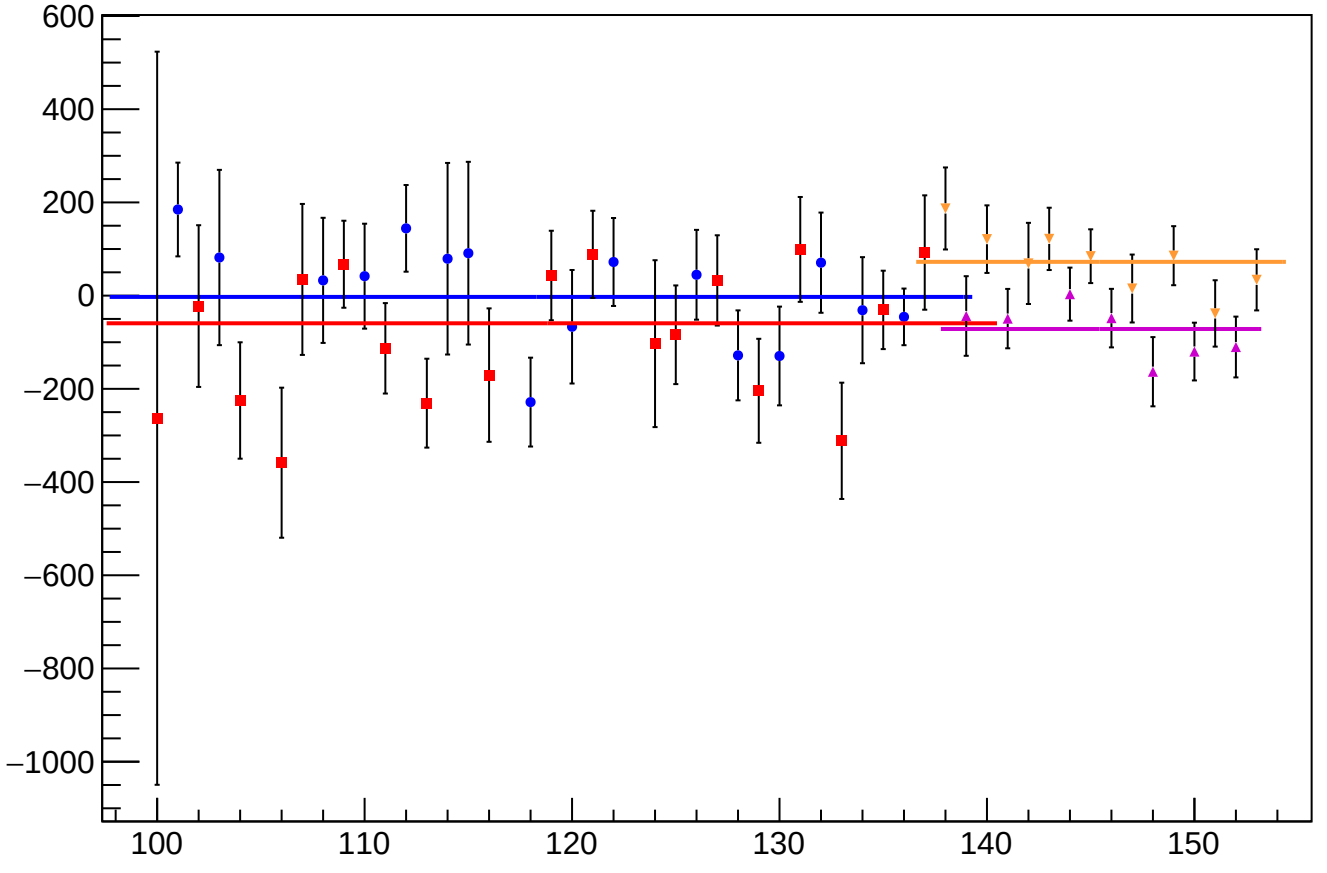
Left In: 0.000+/-0.000 χ^2/NDF:863287.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 5253966.0/24

All: 0.000+/-0.000 χ^2/NDF: 11593711.9/50

- sign 0.000+/-0.000 χ^2/NDF: 6327343.5/25

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 72.485+/-23.296 χ^2/NDF:6.2/8

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

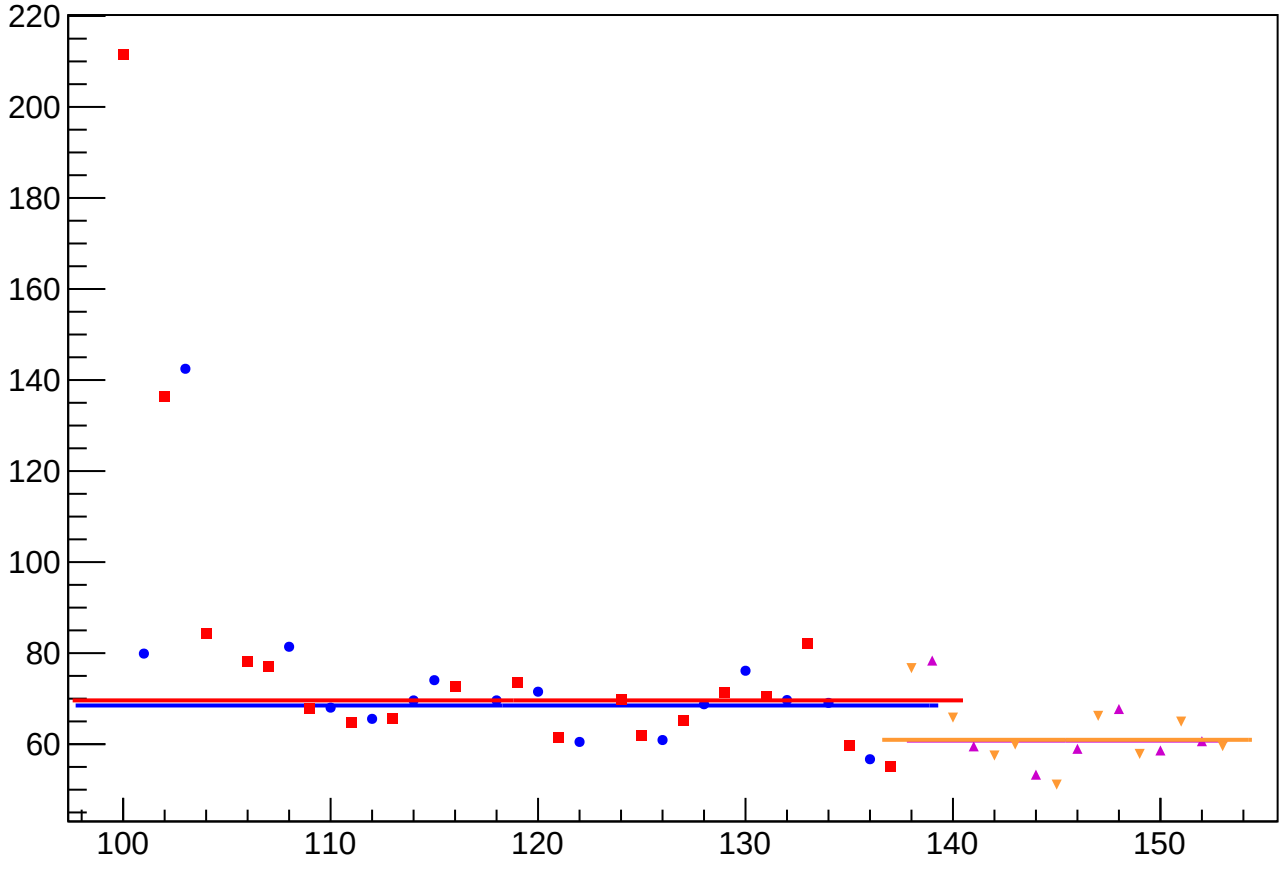
Left In: -71.590+/-24.825 χ^2/NDF:4.6/6

+ sign 39.277+/-17.413 χ^2/NDF: 28.5/24

All: -11.310+/-12.542 χ^2/NDF: 76.4/50

- sign -65.841+/-18.079 χ^2/NDF: 30.4/25

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.958+/-0.016 χ^2/NDF:157332.1/8

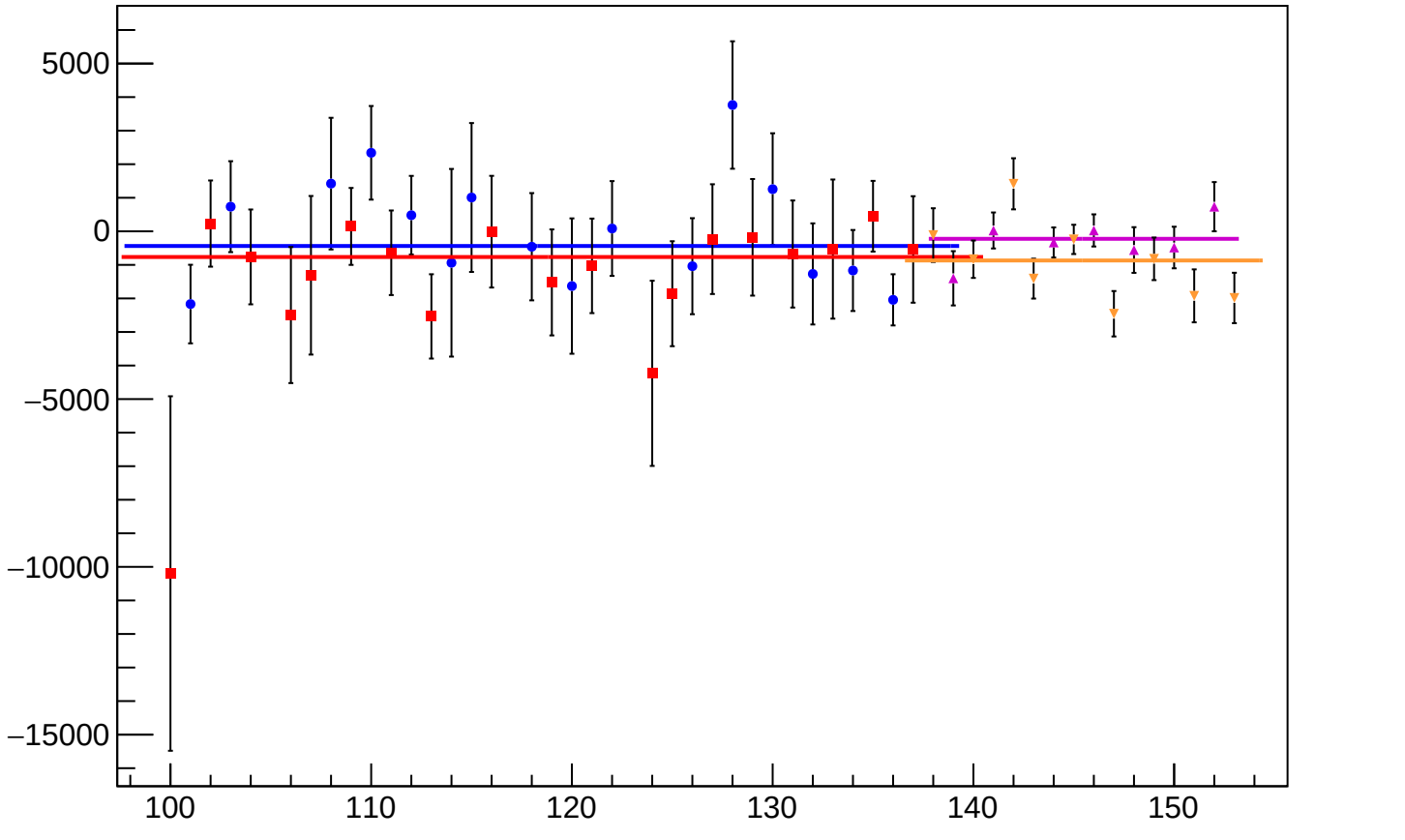
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.784+/-0.018 χ^2/NDF:141715.0/6

+ sign 64.286+/-0.012 χ^2/NDF: 721658.3/24

All: 64.597+/-0.009 χ^2/NDF: 1504082.2/50

- sign 64.934+/-0.013 χ^2/NDF: 781092.0/25



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -869.165+/-210.179 χ^2/NDF:22.3/8

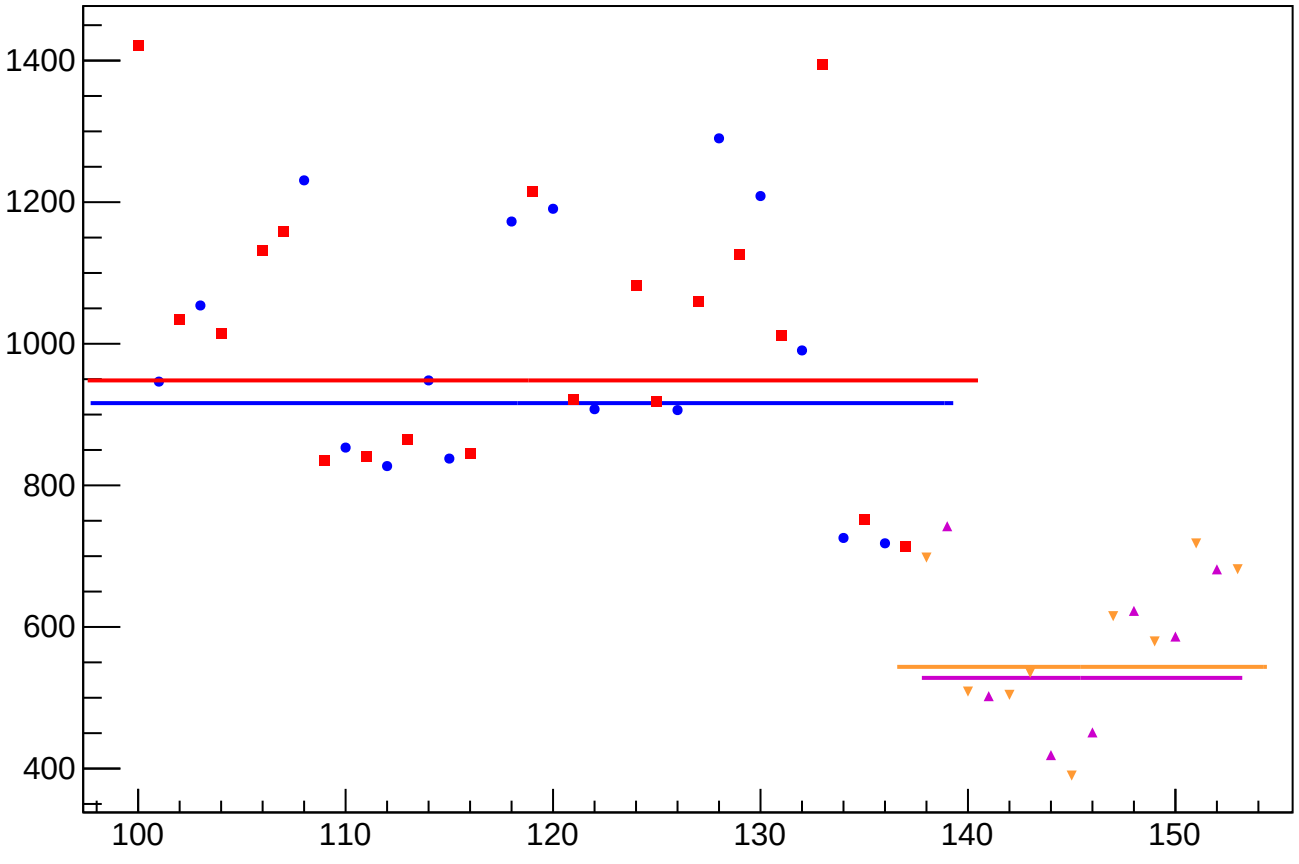
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -223.447+/-218.408 χ^2/NDF:4.8/6

+ sign -754.203+/-180.033 χ^2/NDF: 44.0/24

All: -569.756+/-129.273 χ^2/NDF: 64.0/50

- sign -373.431+/-185.740 χ^2/NDF: 17.8/25



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 543.650+/-0.149 χ^2/NDF:529807.8/8

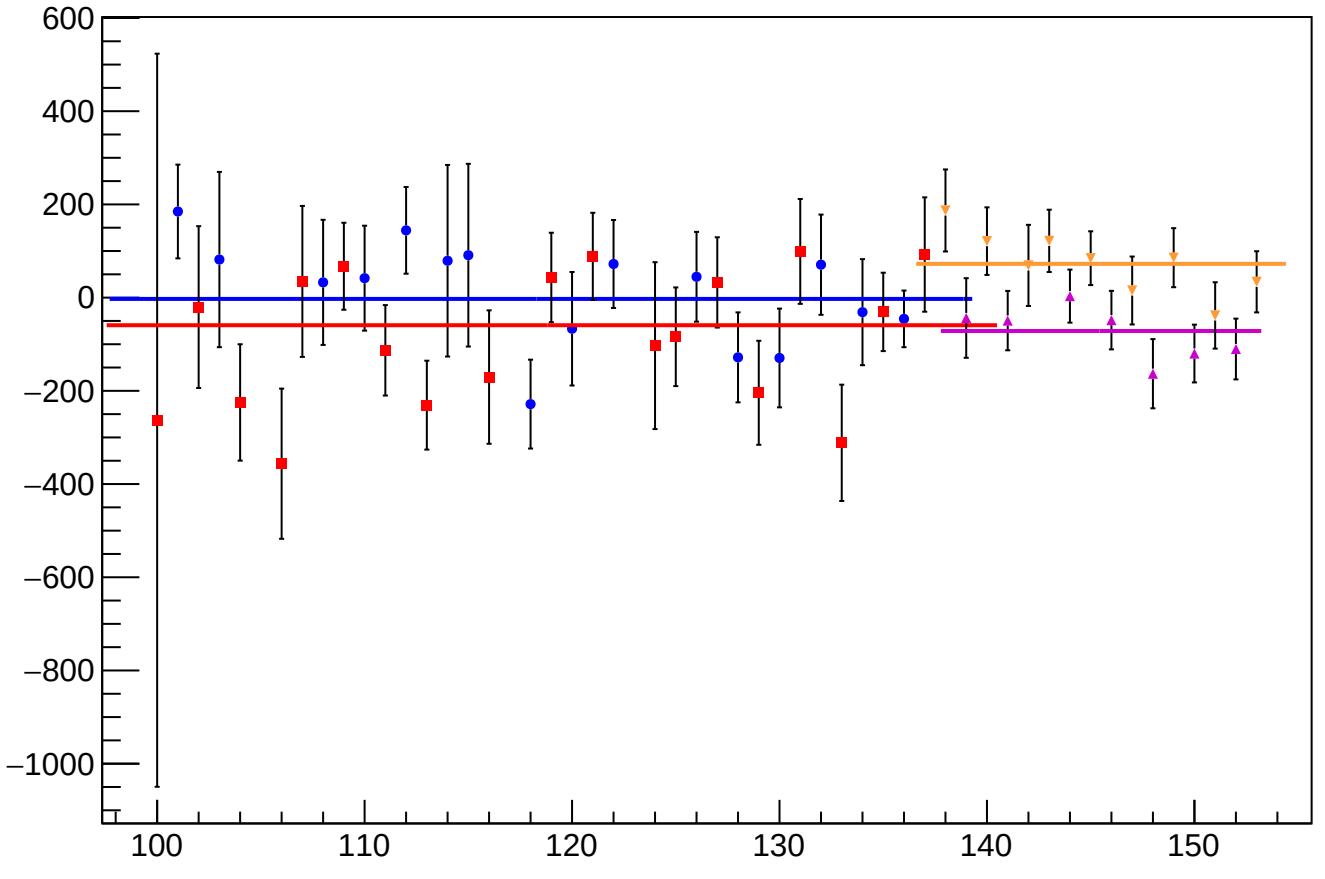
Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 528.072+/-0.154 χ^2/NDF:458859.3/6

+ sign 642.848+/-0.127 χ^2/NDF: 2711968.8/24

All: 643.582+/-0.091 χ^2/NDF: 5634705.3/50

- sign 644.364+/-0.131 χ^2/NDF: 2922667.8/25



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 72.492+/-23.296 χ^2/NDF:6.2/8

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

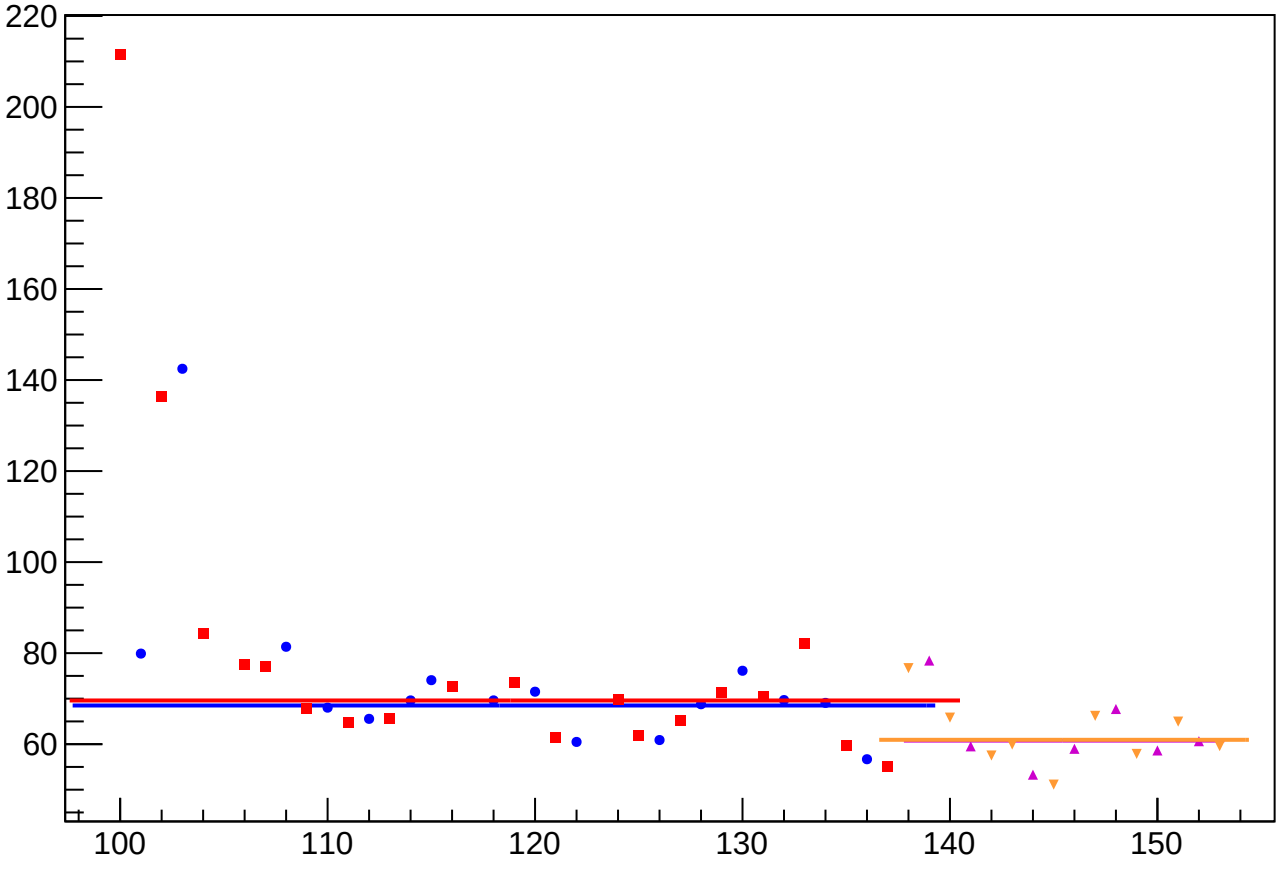
Left In: -71.592+/-24.825 χ^2/NDF:4.6/6

+ sign 39.278+/-17.413 χ^2/NDF: 28.5/24

All: -11.281+/-12.542 χ^2/NDF: 76.3/50

- sign -65.785+/-18.080 χ^2/NDF: 30.3/25

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.958+/-0.016 χ^2/NDF:157332.1/8

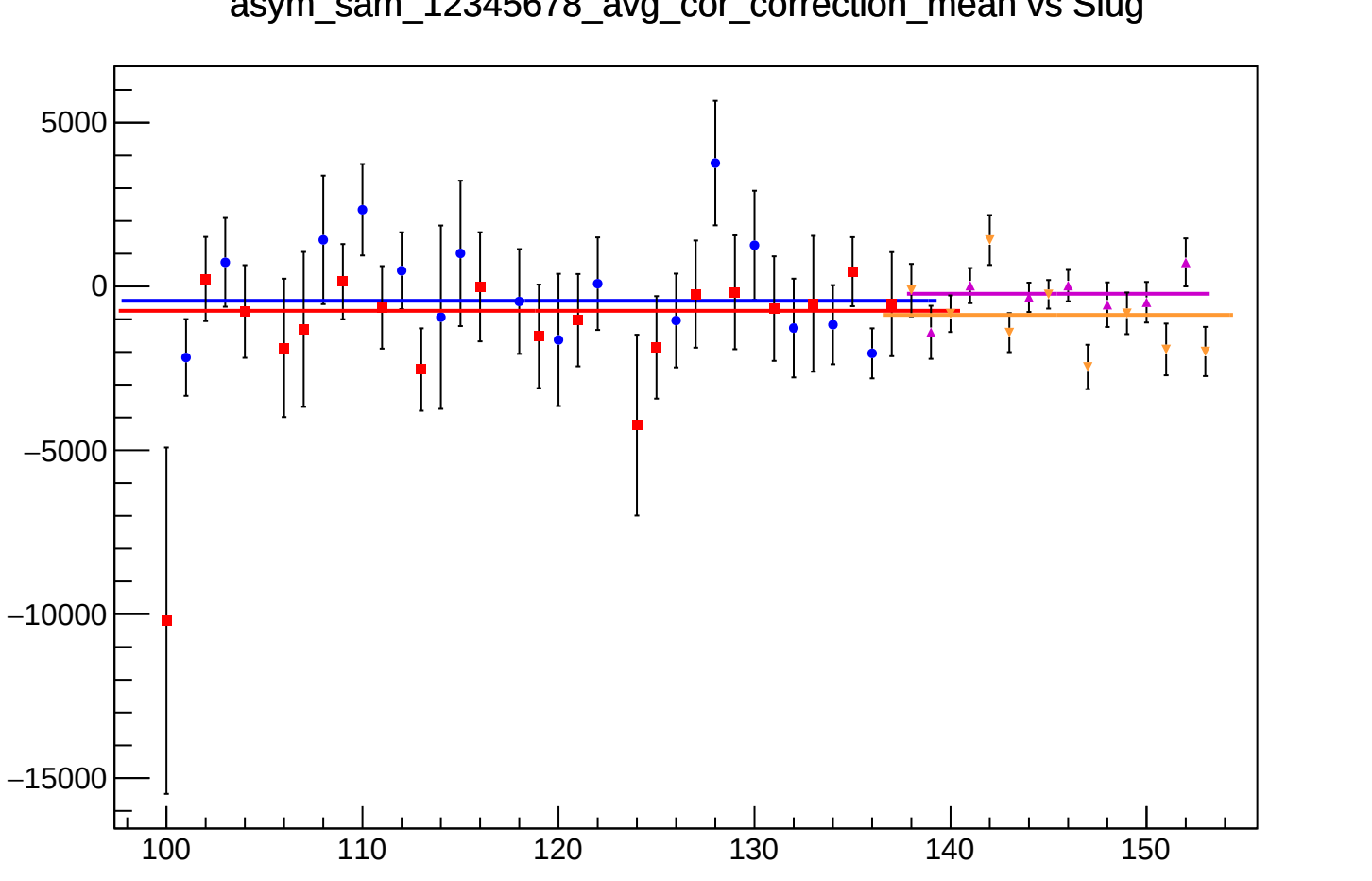
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.784+/-0.018 χ^2/NDF:141715.0/6

\+ sign 64.286+/-0.012 χ^2/NDF: 721661.3/24

All: 64.593+/-0.009 χ^2/NDF: 1502909.5/50

\- sign 64.924+/-0.013 χ^2/NDF: 779953.9/25



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -869.159+/-210.179 χ^2/NDF:22.3/8

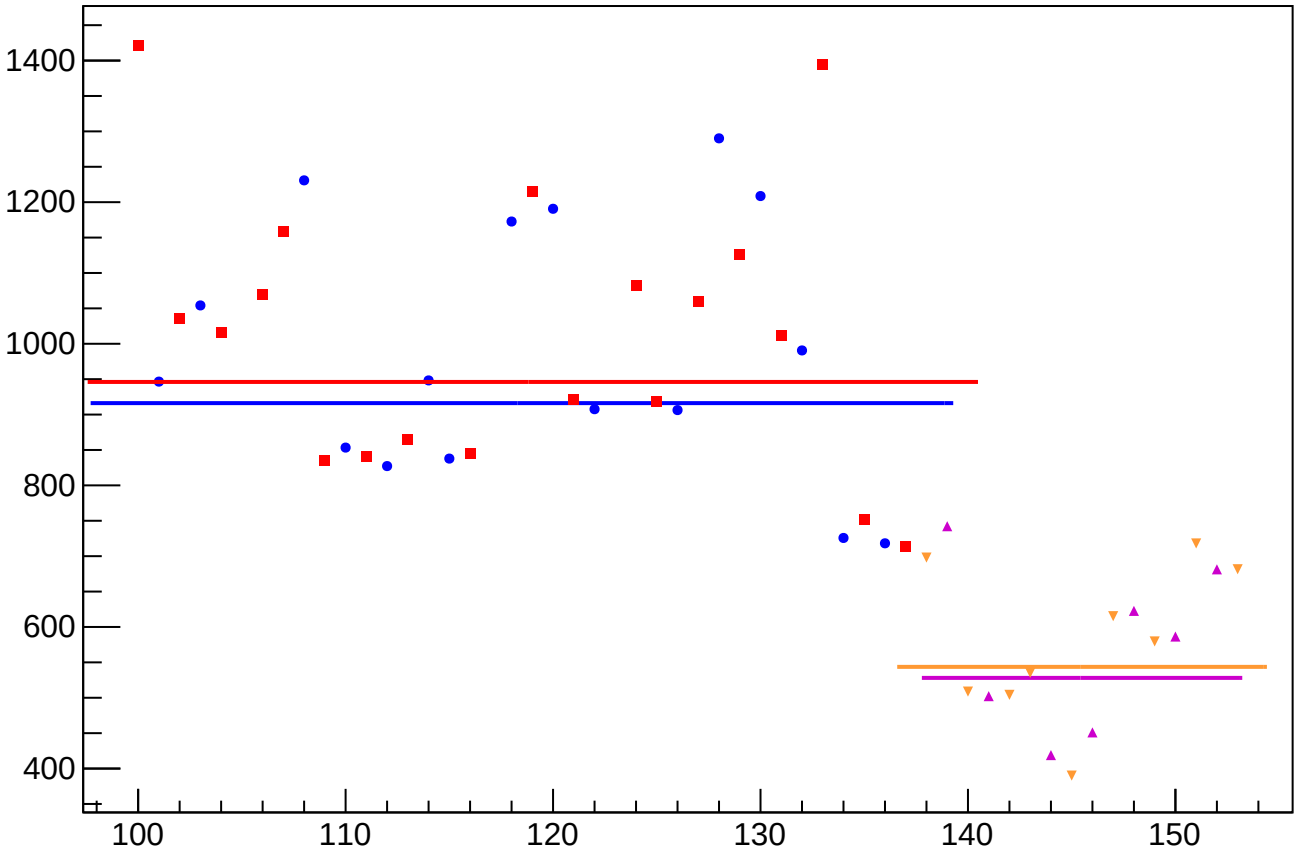
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -223.451+/-218.408 χ^2/NDF:4.8/6

+ sign -754.191+/-180.033 χ^2/NDF: 44.0/24

All: -566.884+/-129.294 χ^2/NDF: 63.4/50

- sign -367.378+/-185.803 χ^2/NDF: 17.2/25



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 543.649+/-0.149 χ^2/NDF:529810.9/8

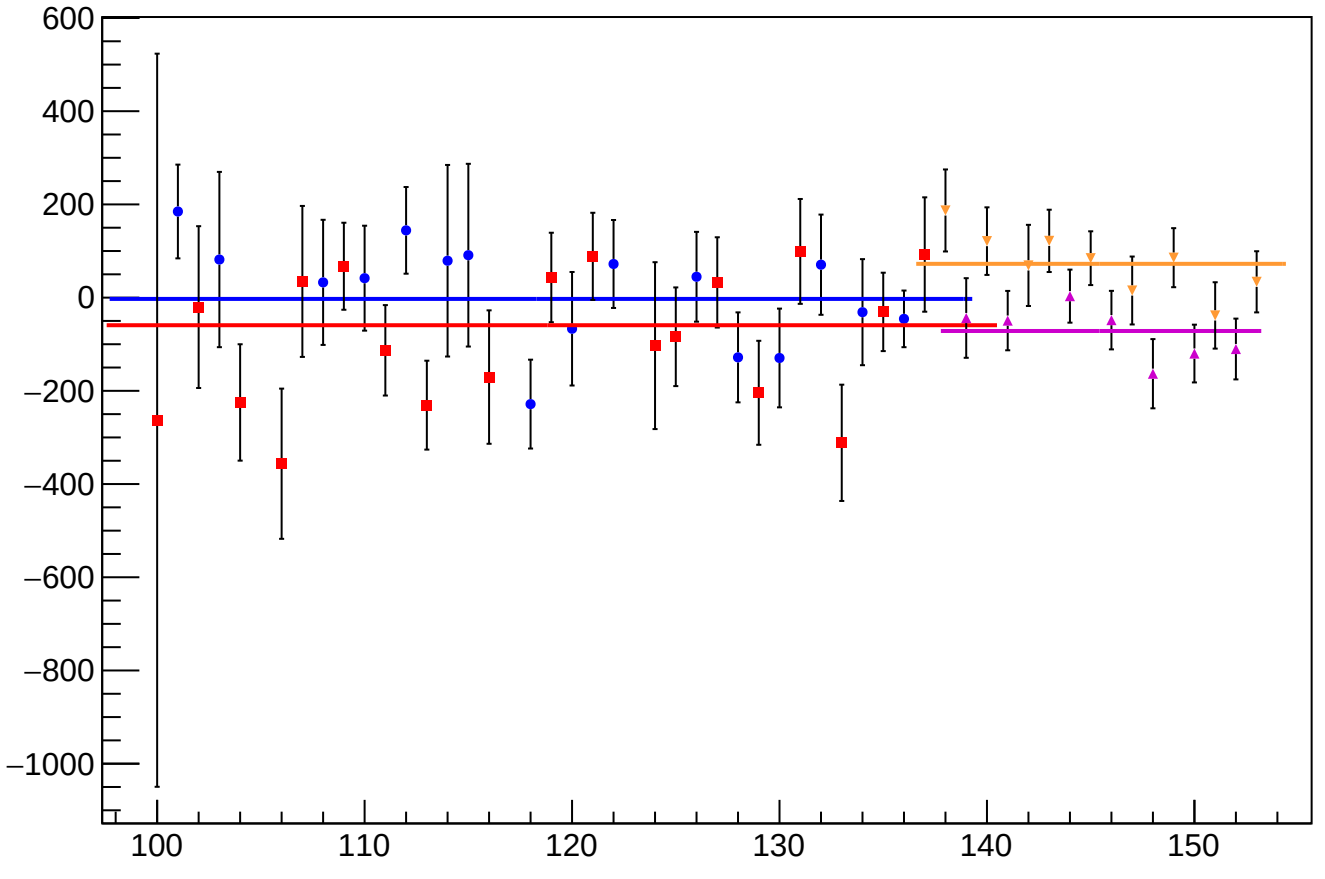
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 528.072+/-0.154 χ^2/NDF:458858.5/6

+ sign 642.848+/-0.127 χ^2/NDF: 2712018.9/24

All: 643.195+/-0.091 χ^2/NDF: 5600458.7/50

- sign 643.565+/-0.131 χ^2/NDF: 2888424.5/25



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 72.492+/-23.296 χ^2/NDF:6.2/8

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

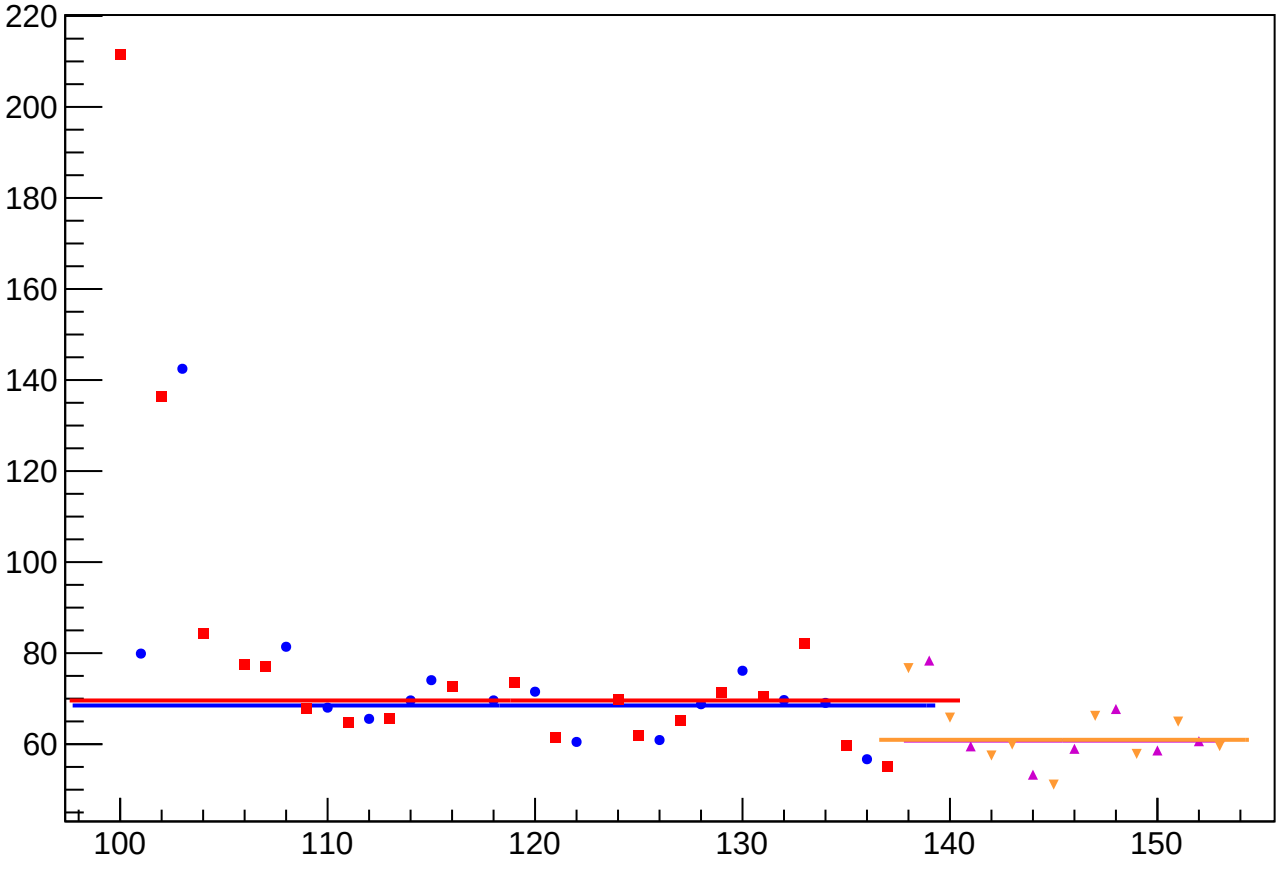
Left In: -71.592+/-24.825 χ^2/NDF:4.6/6

+ sign 39.278+/-17.413 χ^2/NDF: 28.5/24

All: -11.281+/-12.542 χ^2/NDF: 76.3/50

- sign -65.785+/-18.080 χ^2/NDF: 30.3/25

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.958+/-0.016 χ^2/NDF:157332.1/8

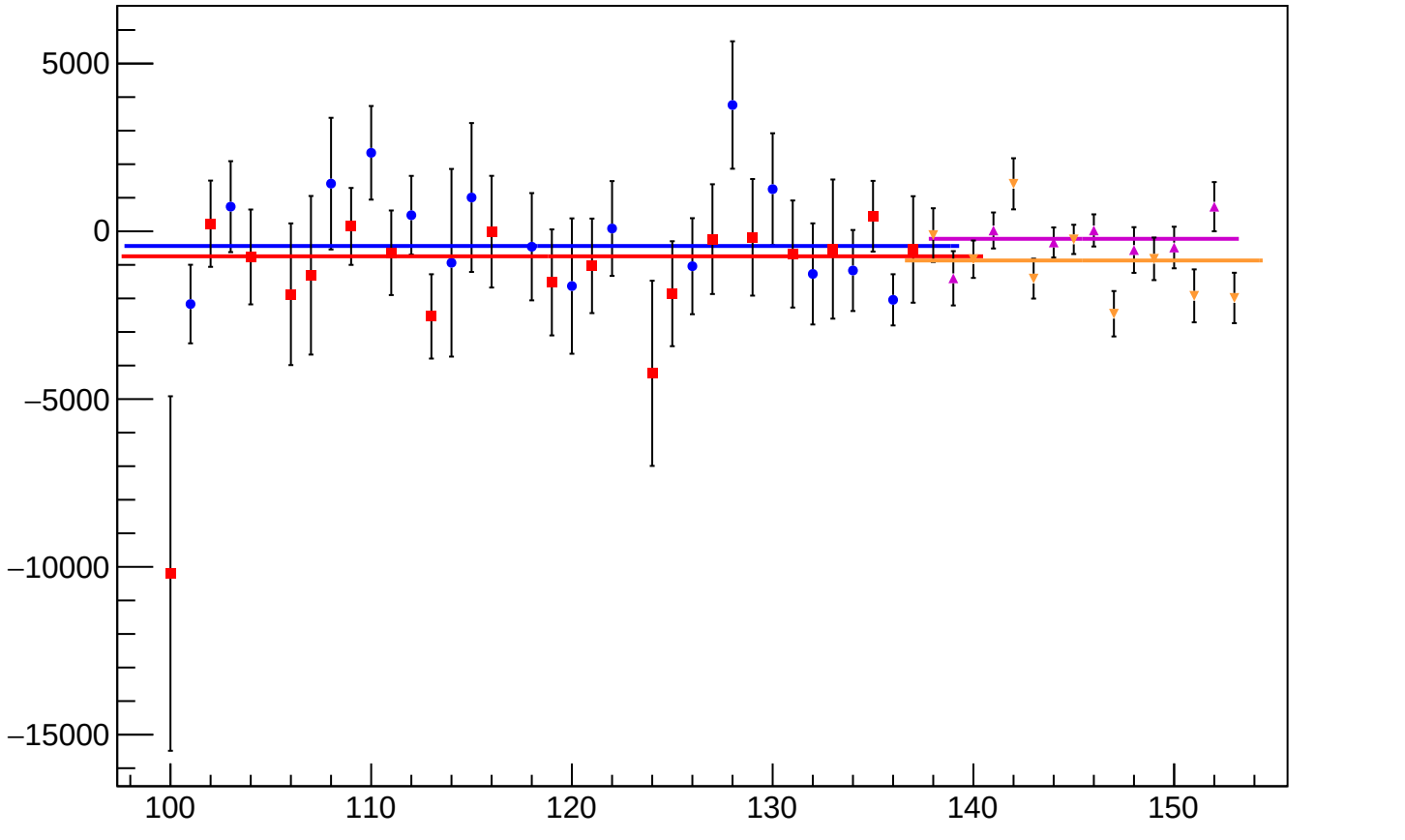
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.784+/-0.018 χ^2/NDF:141715.0/6

+ sign 64.286+/-0.012 χ^2/NDF: 721661.3/24

All: 64.593+/-0.009 χ^2/NDF: 1502909.5/50

- sign 64.924+/-0.013 χ^2/NDF: 779953.9/25



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -869.159+/-210.179 χ^2/NDF:22.3/8

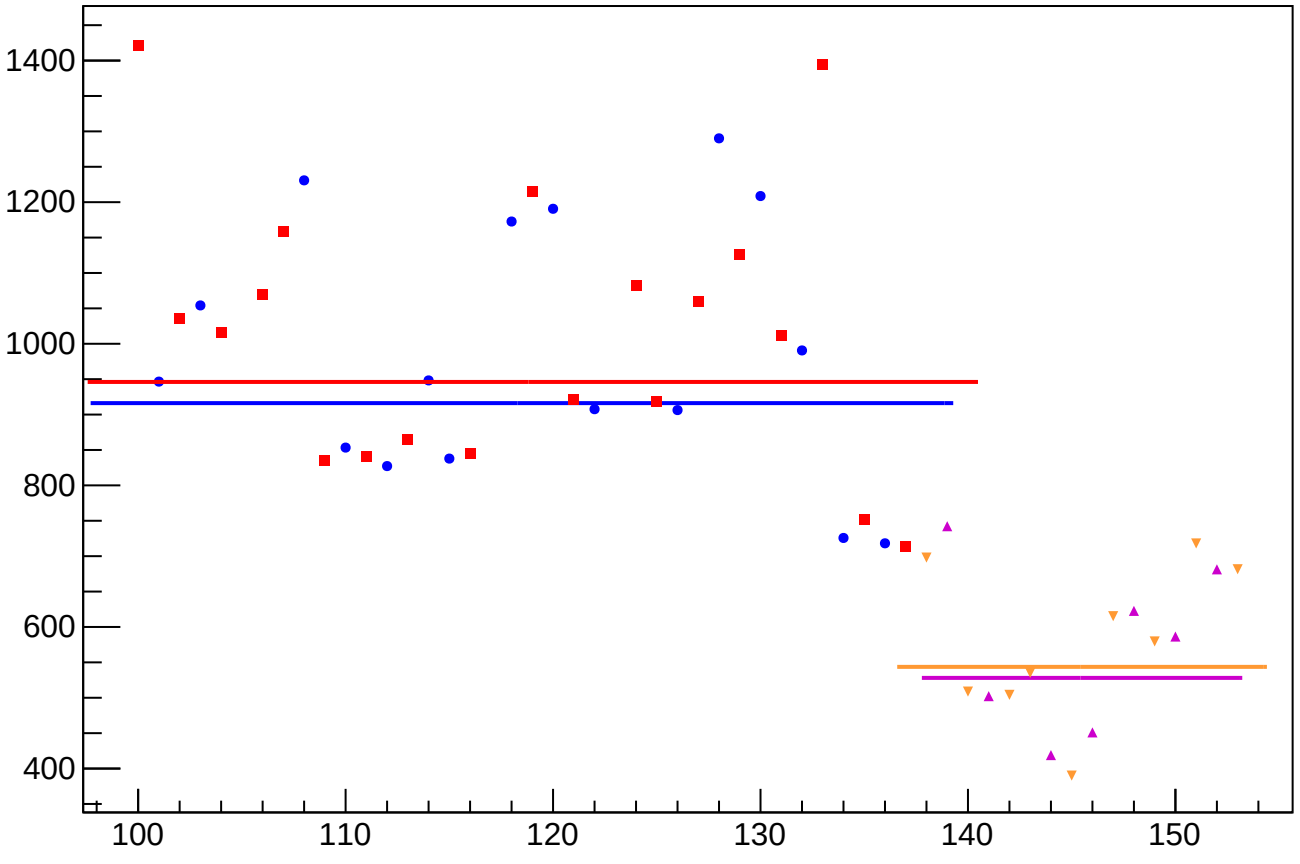
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -223.451+/-218.408 χ^2/NDF:4.8/6

+ sign -754.191+/-180.033 χ^2/NDF: 44.0/24

All: -566.884+/-129.294 χ^2/NDF: 63.4/50

- sign -367.378+/-185.803 χ^2/NDF: 17.2/25



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 543.649+/-0.149 χ^2/NDF:529810.9/8

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

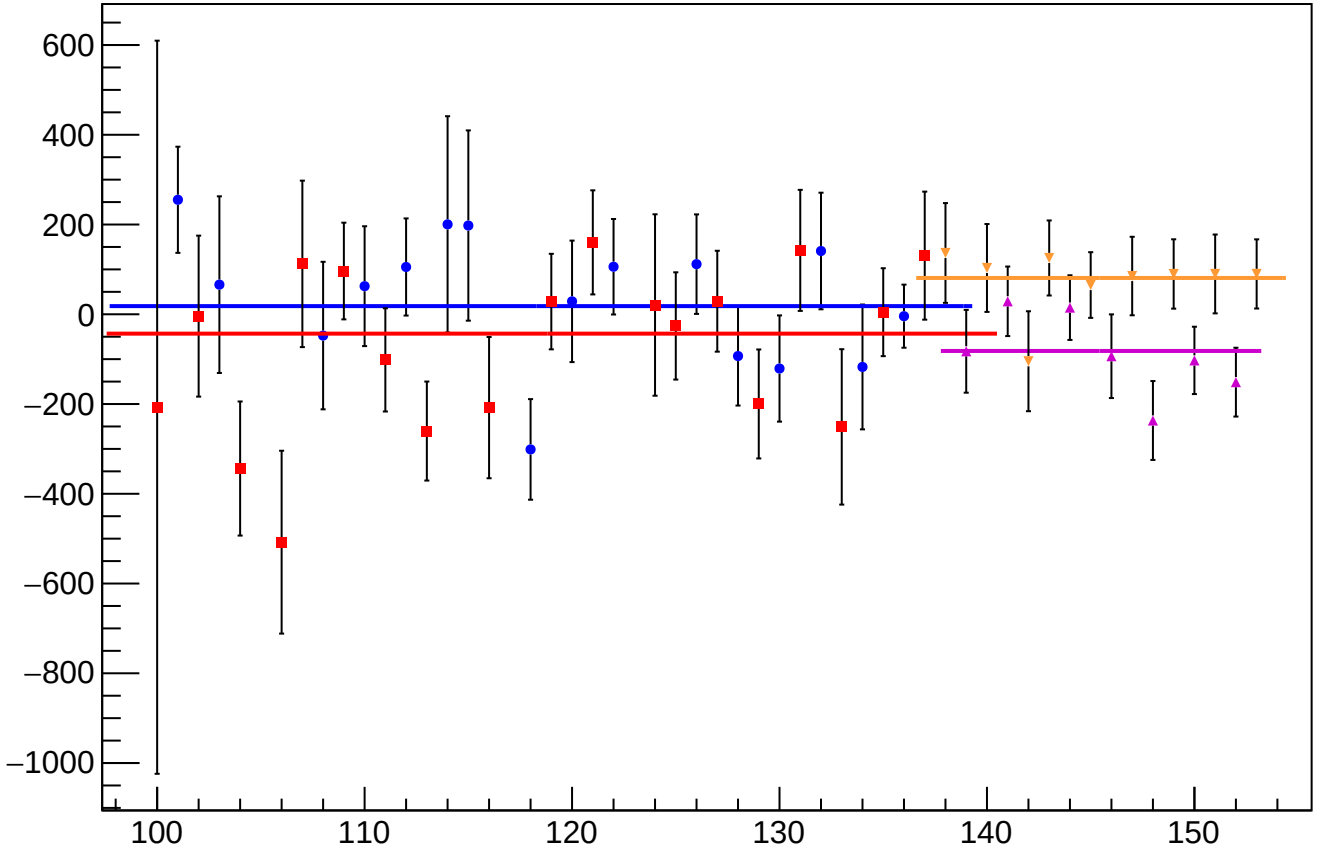
Left In: 528.072+/-0.154 χ^2/NDF:458858.5/6

+ sign 642.848+/-0.127 χ^2/NDF: 2712018.9/24

All: 643.195+/-0.091 χ^2/NDF: 5600458.7/50

- sign 643.565+/-0.131 χ^2/NDF: 2888424.5/25

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 80.941+/-28.967 χ^2/NDF:3.4/8

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

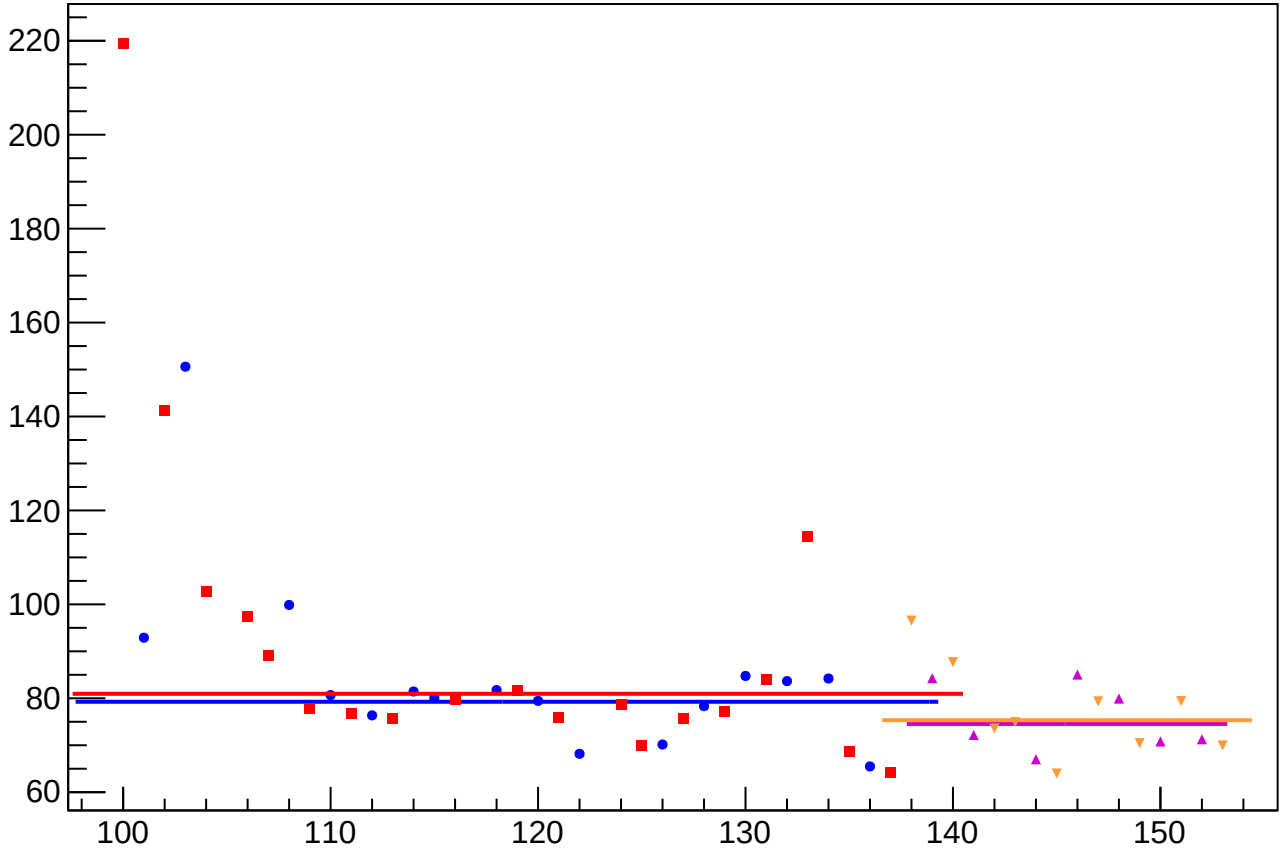
Left In: -81.729+/-30.589 χ^2/NDF:7.9/6

+ sign 51.017+/-20.953 χ^2/NDF: 25.8/24

All: -3.835+/-15.064 χ^2/NDF: 76.4/50

- sign -62.512+/-21.671 χ^2/NDF: 36.4/25

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 75.340+/-0.020 χ^2/NDF:179672.2/8

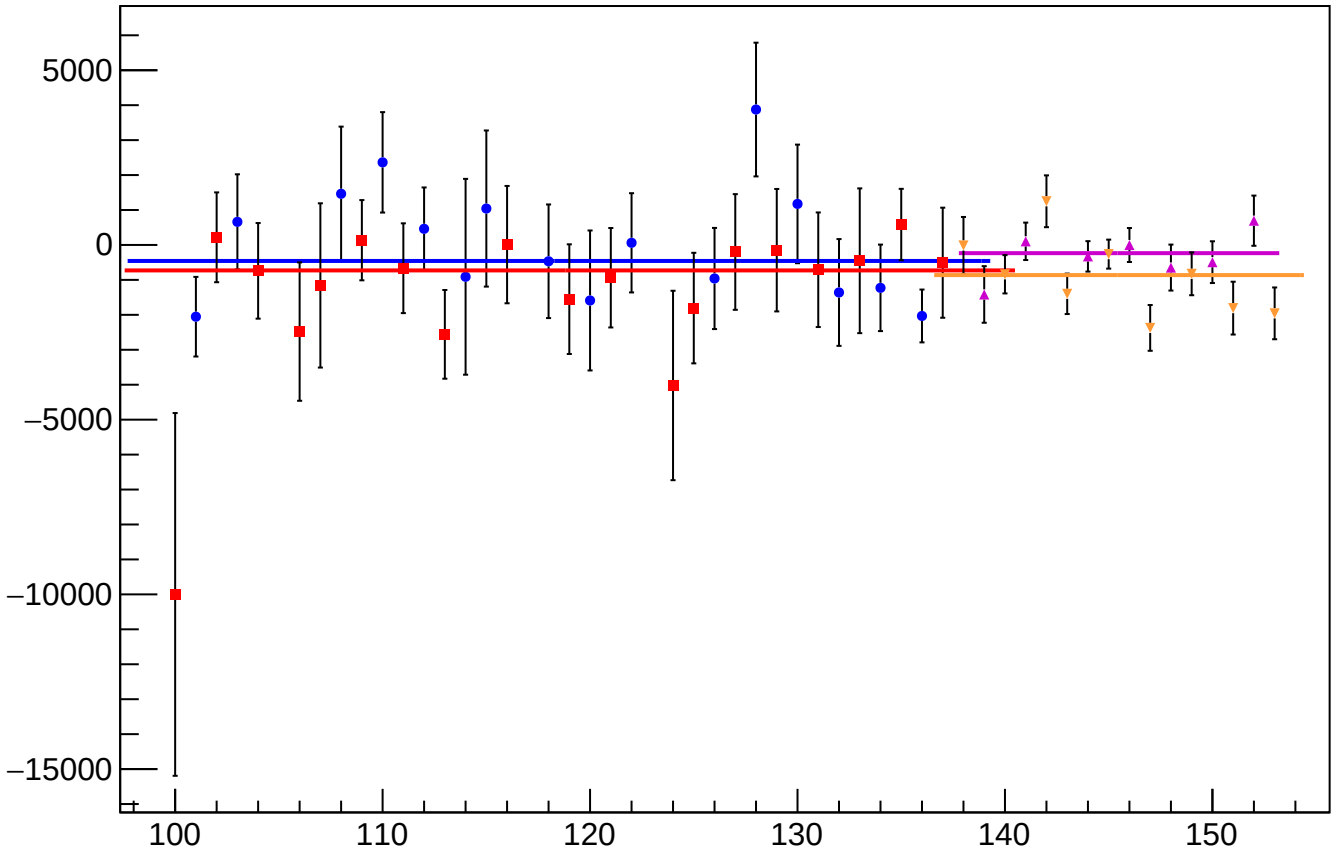
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 74.539+/-0.022 χ^2/NDF:87413.1/6

+ sign 77.210+/-0.015 χ^2/NDF: 642113.7/24

All: 77.464+/-0.011 χ^2/NDF: 1288193.0/50

- sign 77.736+/-0.015 χ^2/NDF: 645470.6/25



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -862.576+/-204.088 χ^2/NDF:21.2/8

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

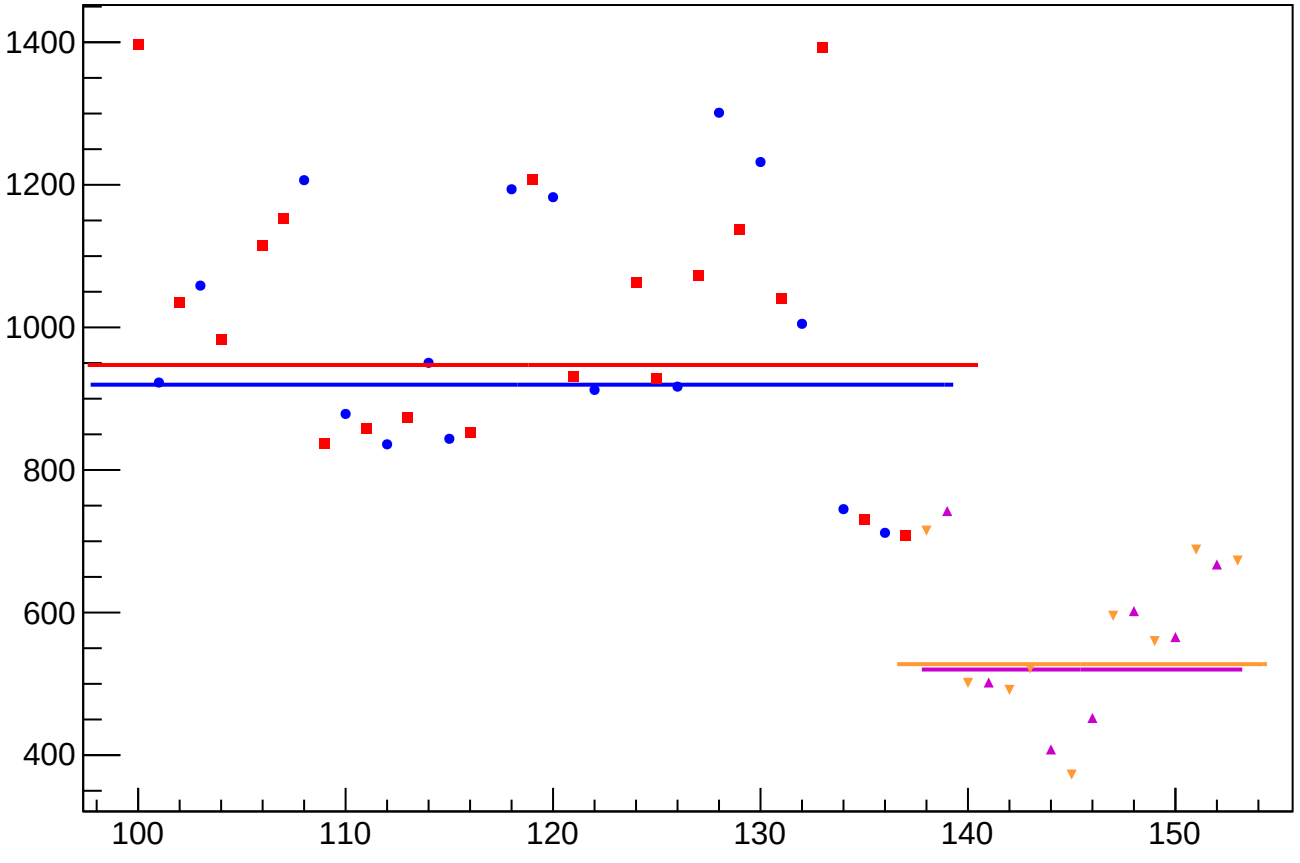
Left In: -234.712+/-215.304 χ^2/NDF:5.1/6

+ sign -759.979+/-176.314 χ^2/NDF: 42.5/24

All: -572.516+/-127.221 χ^2/NDF: 62.9/50

- sign -368.903+/-183.752 χ^2/NDF: 18.0/25

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 527.618+/-0.144 χ^2/NDF:587966.5/8

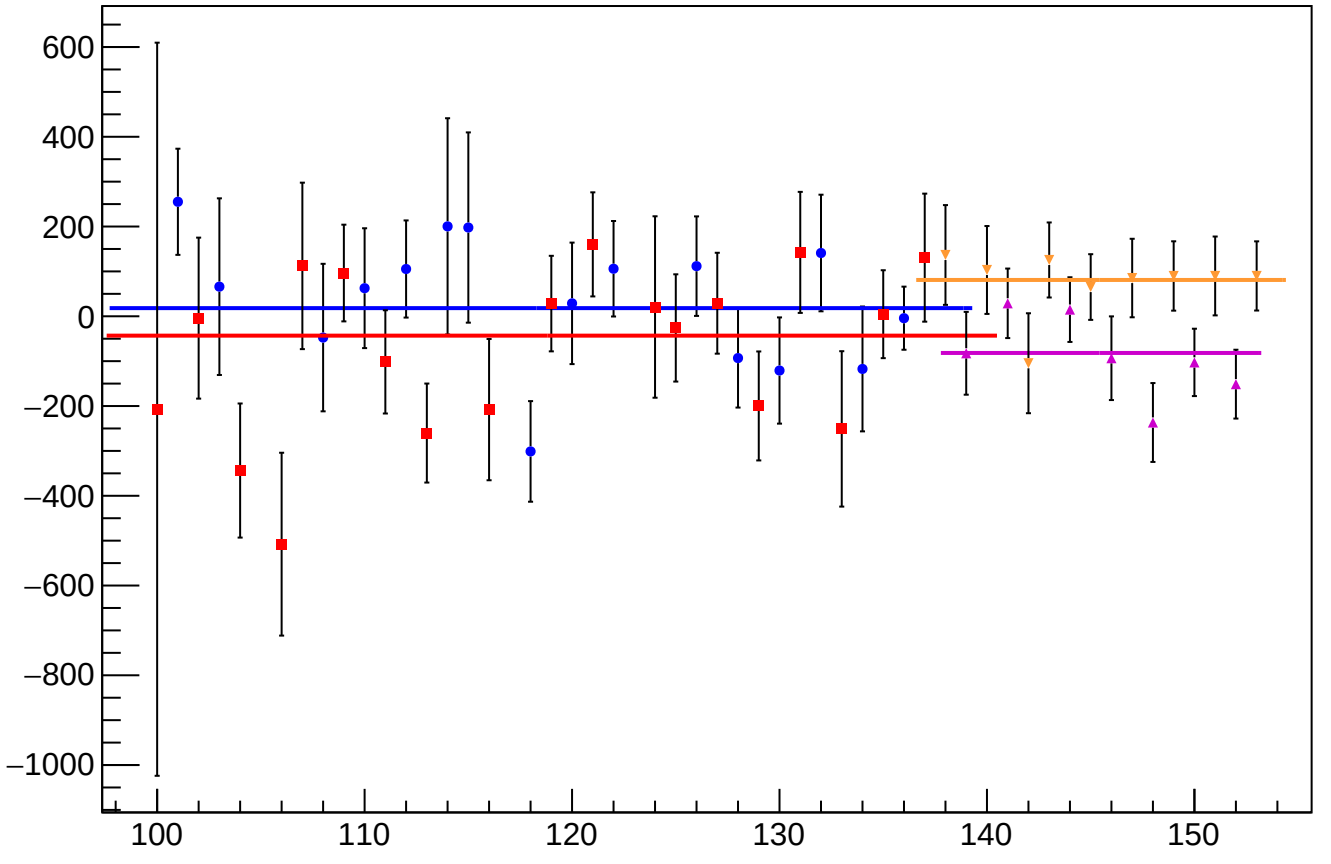
Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 520.084+/-0.152 χ^2/NDF:451600.2/6

\+ sign 627.058+/-0.125 χ^2/NDF: 2975221.8/24

All: 631.400+/-0.090 χ^2/NDF: 5993496.0/50

\- sign 636.117+/-0.130 χ^2/NDF: 3015742.9/25



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 80.942+/-28.967 χ^2/NDF:3.4/8

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

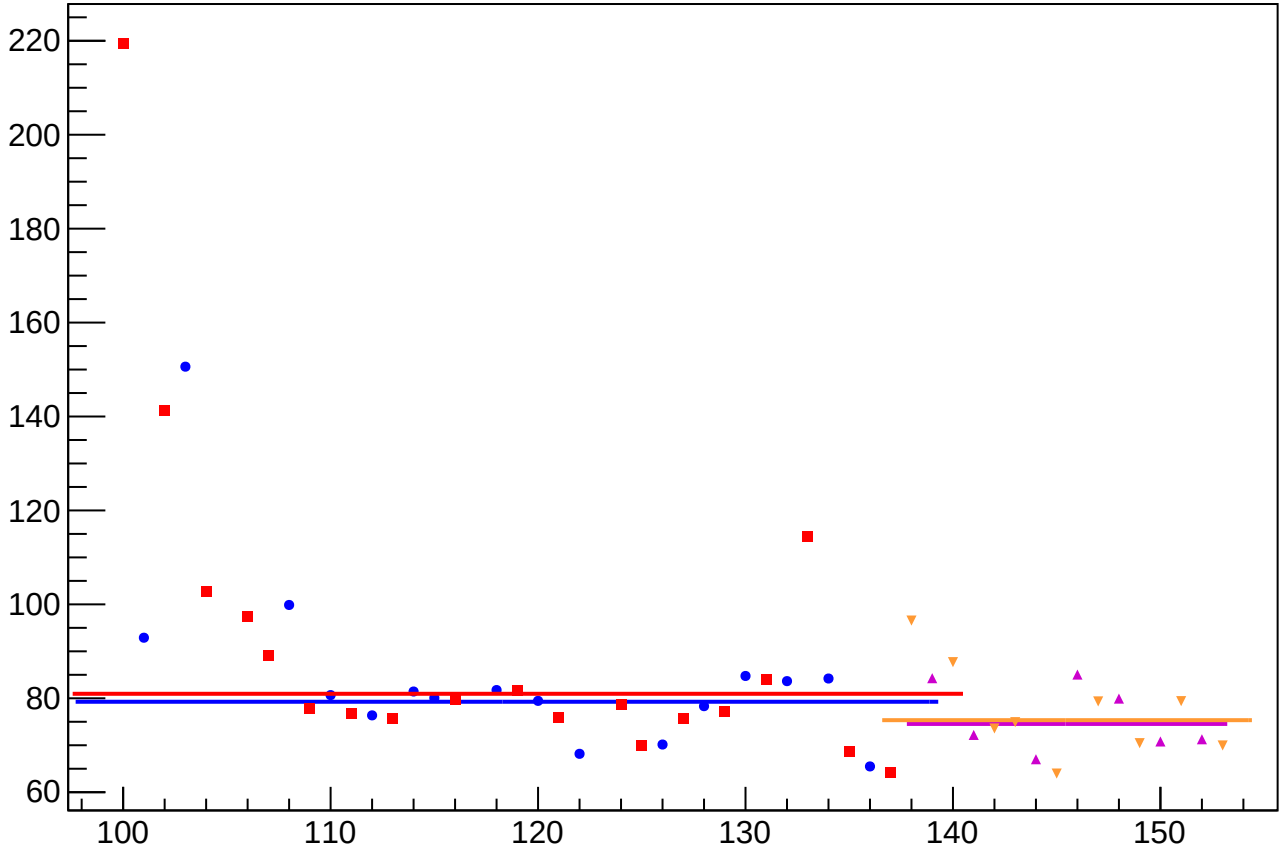
Left In: -81.730+/-30.589 χ^2/NDF:7.9/6

+ sign 51.017+/-20.953 χ^2/NDF: 25.8/24

All: -3.835+/-15.064 χ^2/NDF: 76.4/50

- sign -62.511+/-21.671 χ^2/NDF: 36.4/25

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 75.340+/-0.020 χ^2/NDF:179664.8/8

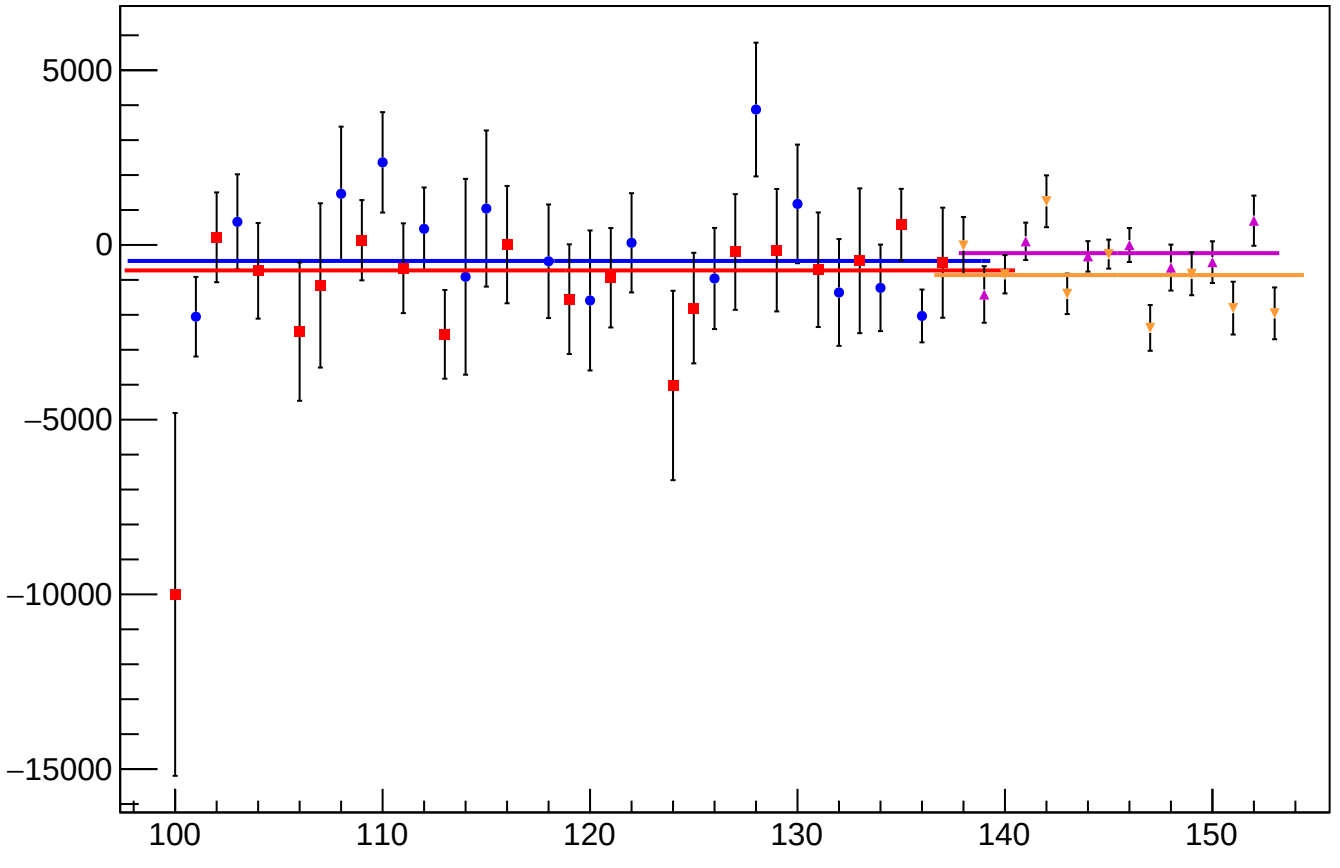
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 74.539+/-0.022 χ^2/NDF:87411.1/6

+ sign 77.210+/-0.015 χ^2/NDF: 642097.9/24

All: 77.464+/-0.011 χ^2/NDF: 1288176.0/50

- sign 77.736+/-0.015 χ^2/NDF: 645469.4/25



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -862.576+/-204.088 χ^2/NDF:21.2/8

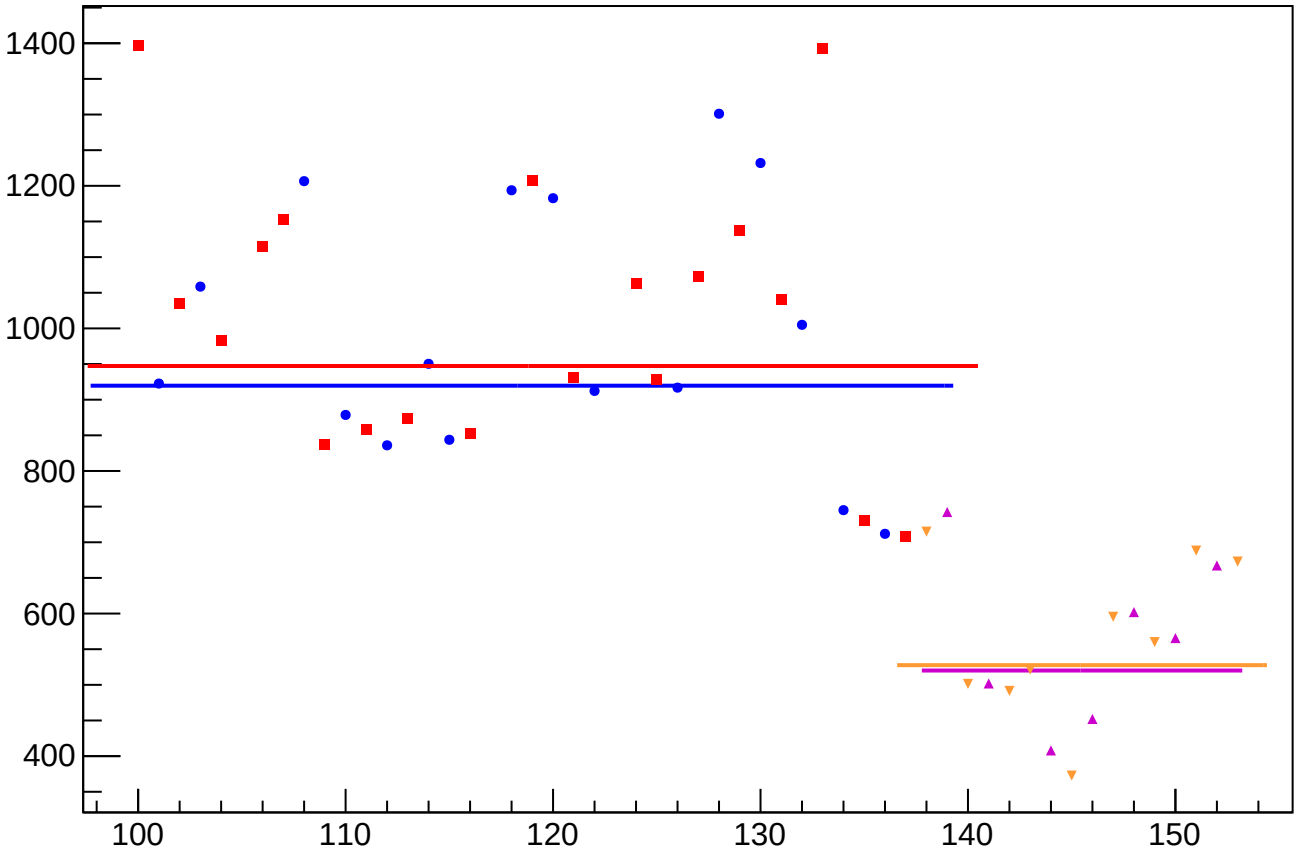
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -234.711+/-215.304 χ^2/NDF:5.1/6

+ sign -759.978+/-176.314 χ^2/NDF: 42.5/24

All: -572.515+/-127.221 χ^2/NDF: 62.9/50

- sign -368.903+/-183.752 χ^2/NDF: 18.0/25



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 527.617+/-0.144 χ^2/NDF:587969.9/8

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

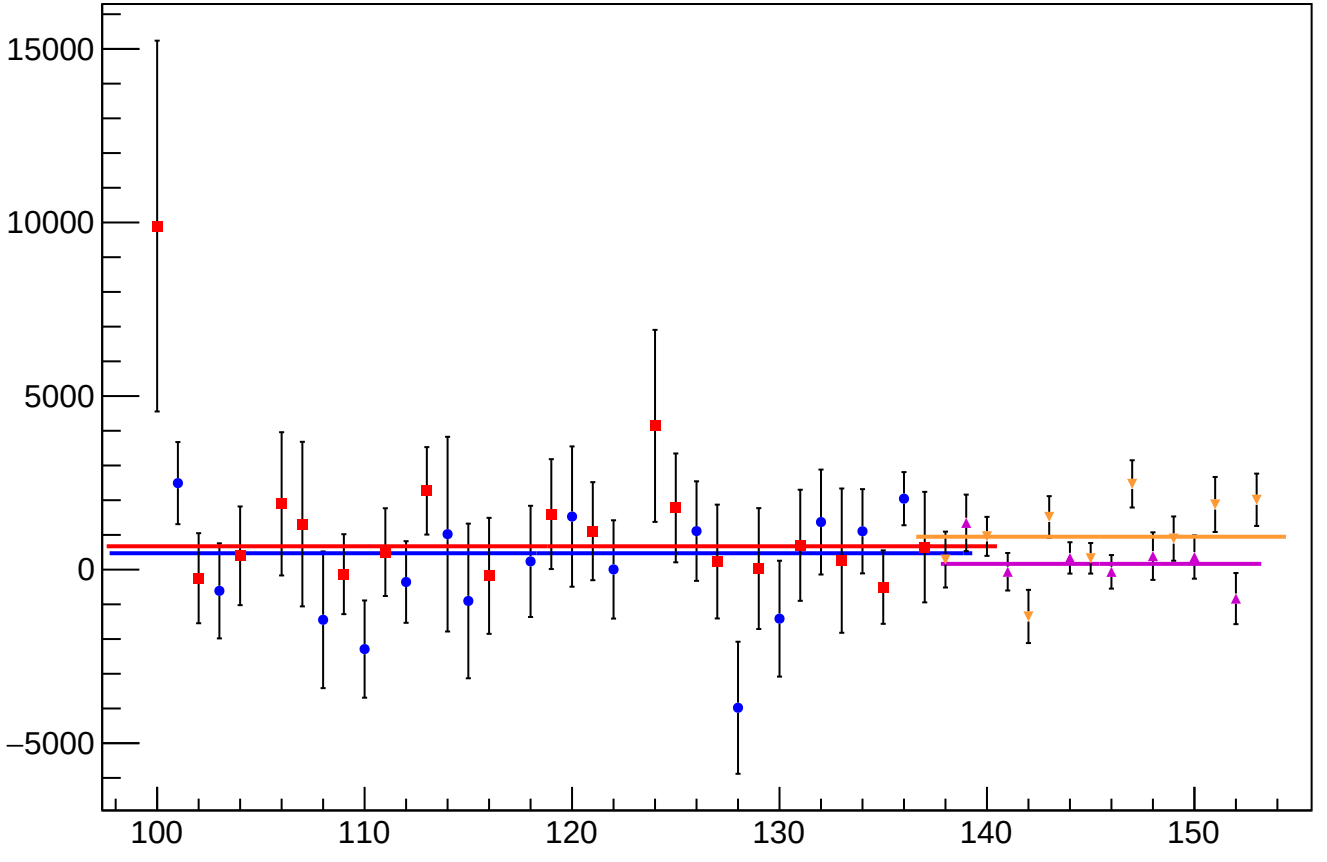
Left In: 520.084+/-0.152 χ^2/NDF:451599.4/6

+ sign 627.057+/-0.125 χ^2/NDF: 2975222.4/24

All: 631.400+/-0.090 χ^2/NDF: 5993489.0/50

- sign 636.117+/-0.130 χ^2/NDF: 3015735.1/25

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 947.583+/-211.605 χ^2/NDF:20.9/8

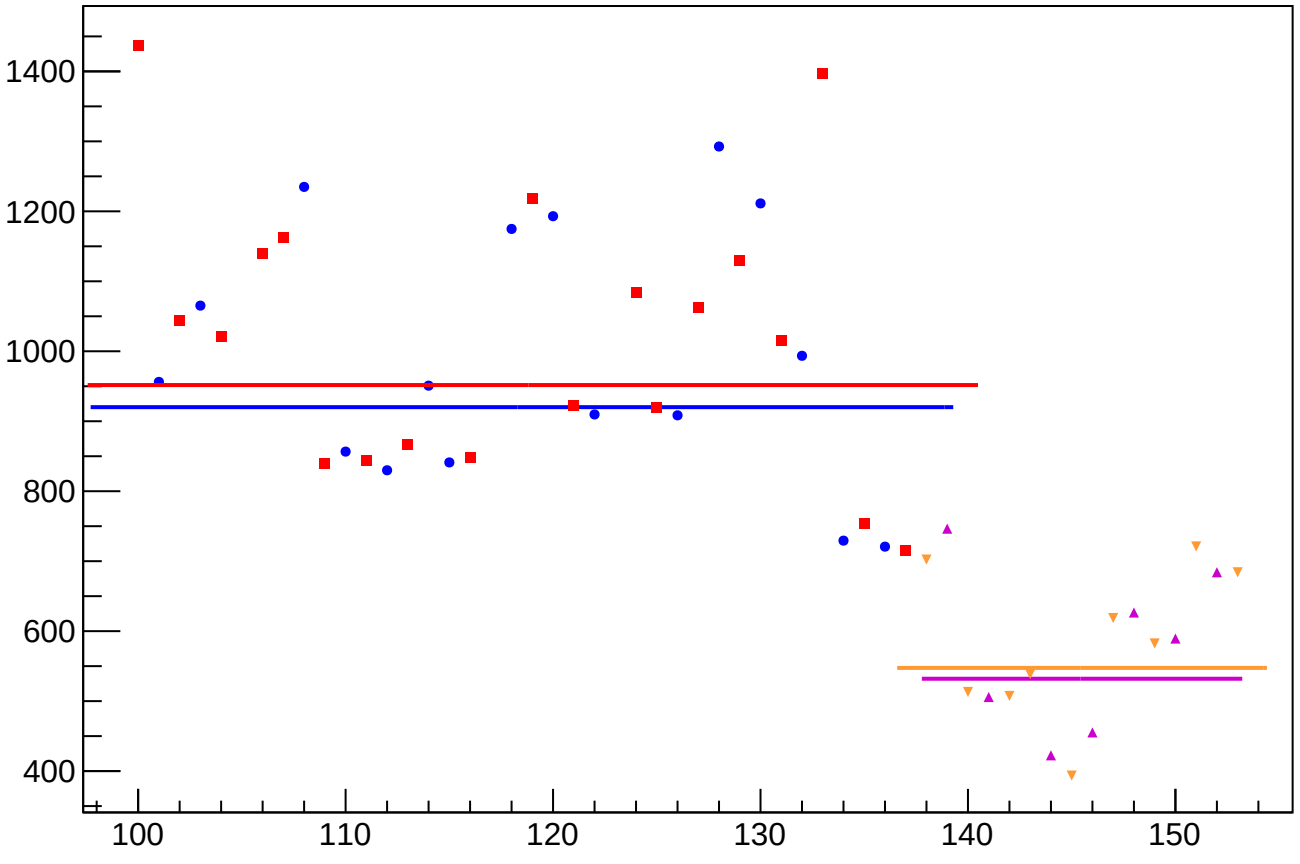
Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: 166.007+/-219.960 χ^2/NDF:4.7/6

+ sign 820.482+/-181.135 χ^2/NDF: 43.8/24

All: 571.697+/-130.074 χ^2/NDF: 64.1/50

- sign 306.803+/-186.906 χ^2/NDF: 16.5/25



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 547.503+/-0.150 χ^2/NDF:521521.3/8

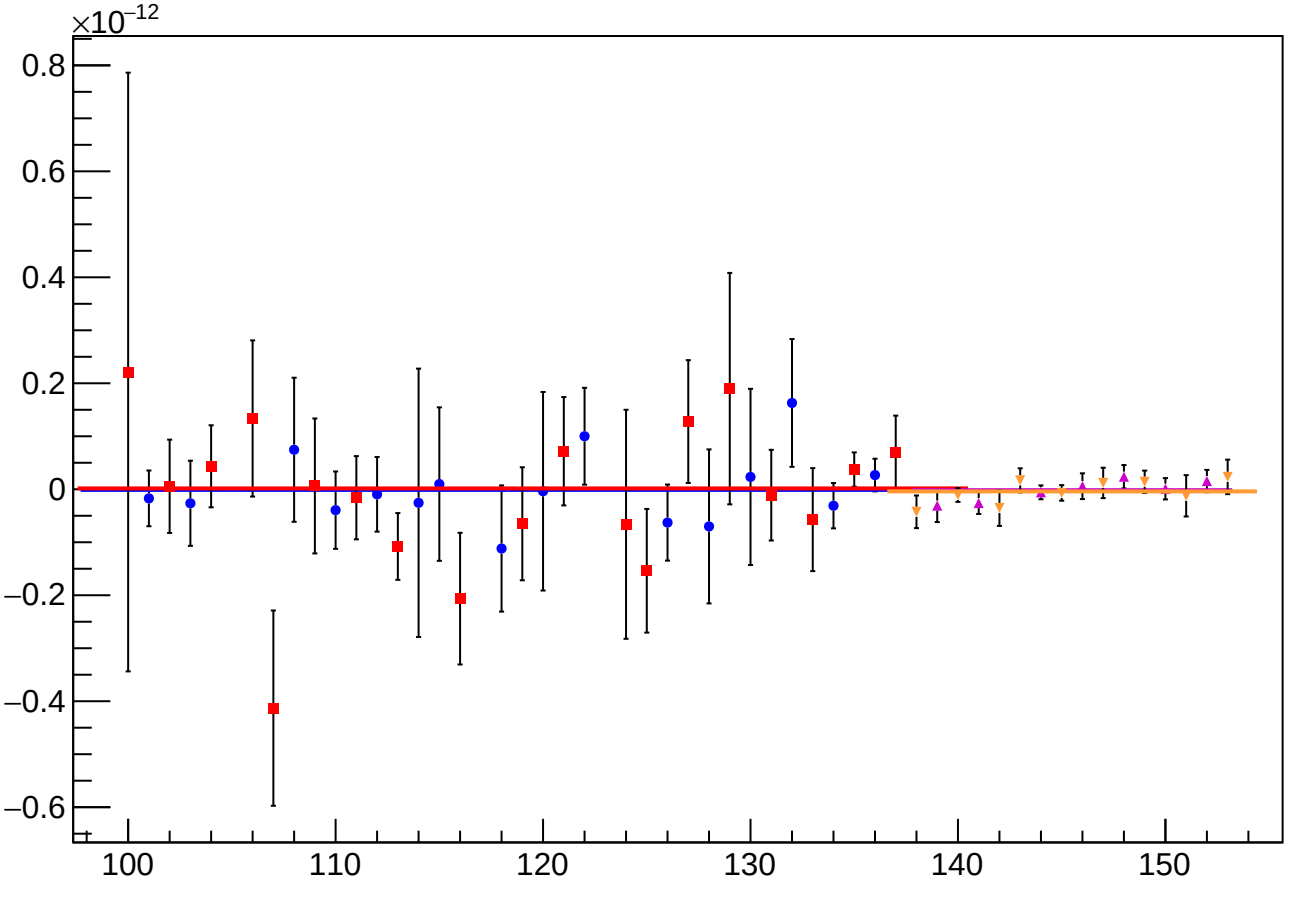
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 531.991+/-0.156 χ^2/NDF:452076.7/6

\+ sign 647.090+/-0.128 χ^2/NDF: 2687683.3/24

All: 647.851+/-0.092 χ^2/NDF: 5580264.7/50

\- sign 648.662+/-0.132 χ^2/NDF: 2892508.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/8

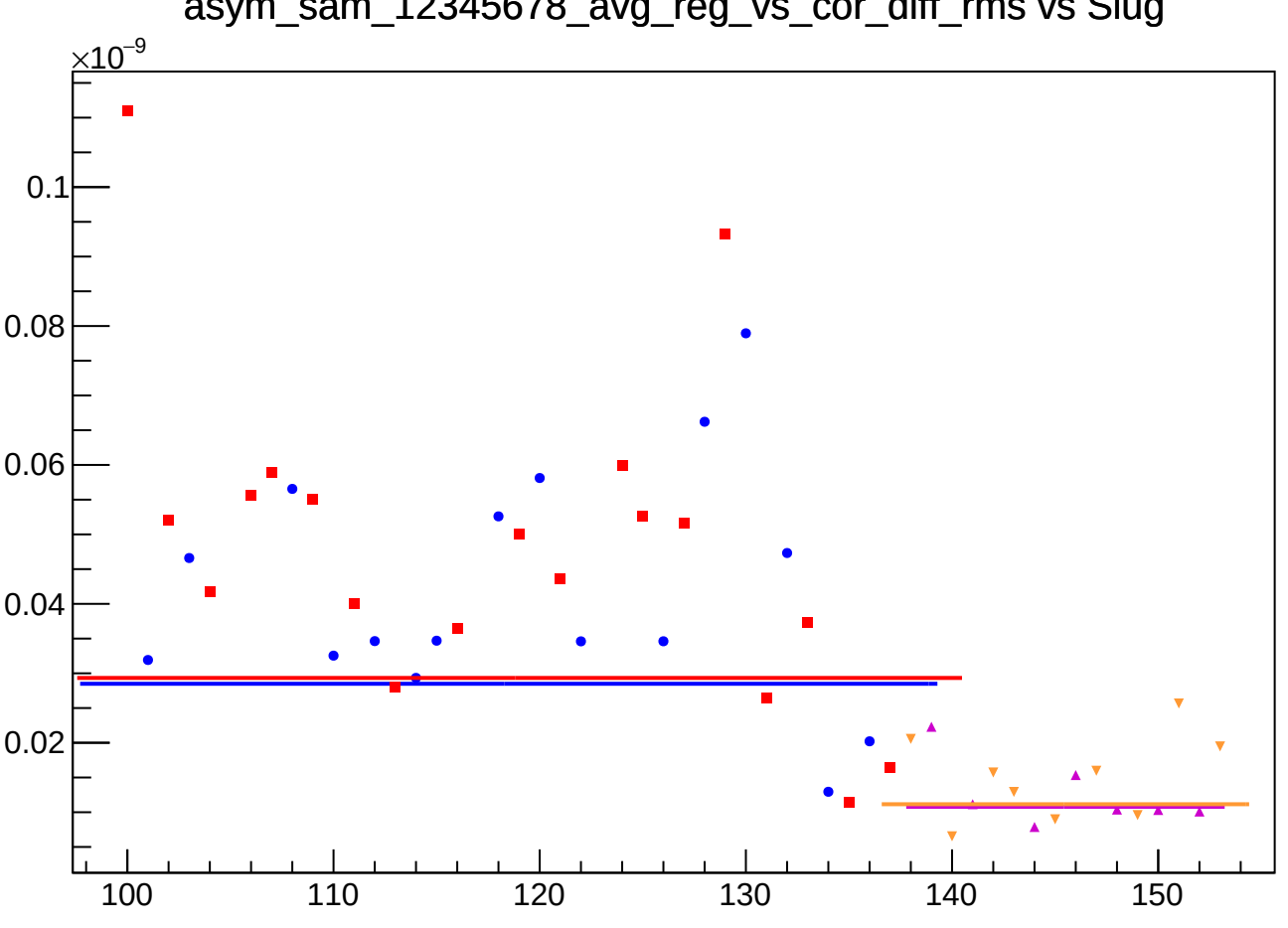
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/6

+ sign -0.000+/-0.000 χ^2/NDF: 12.4/24

All: -0.000+/-0.000 χ^2/NDF: 36.4/50

- sign -0.000+/-0.000 χ^2/NDF: 23.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1002482.1/8

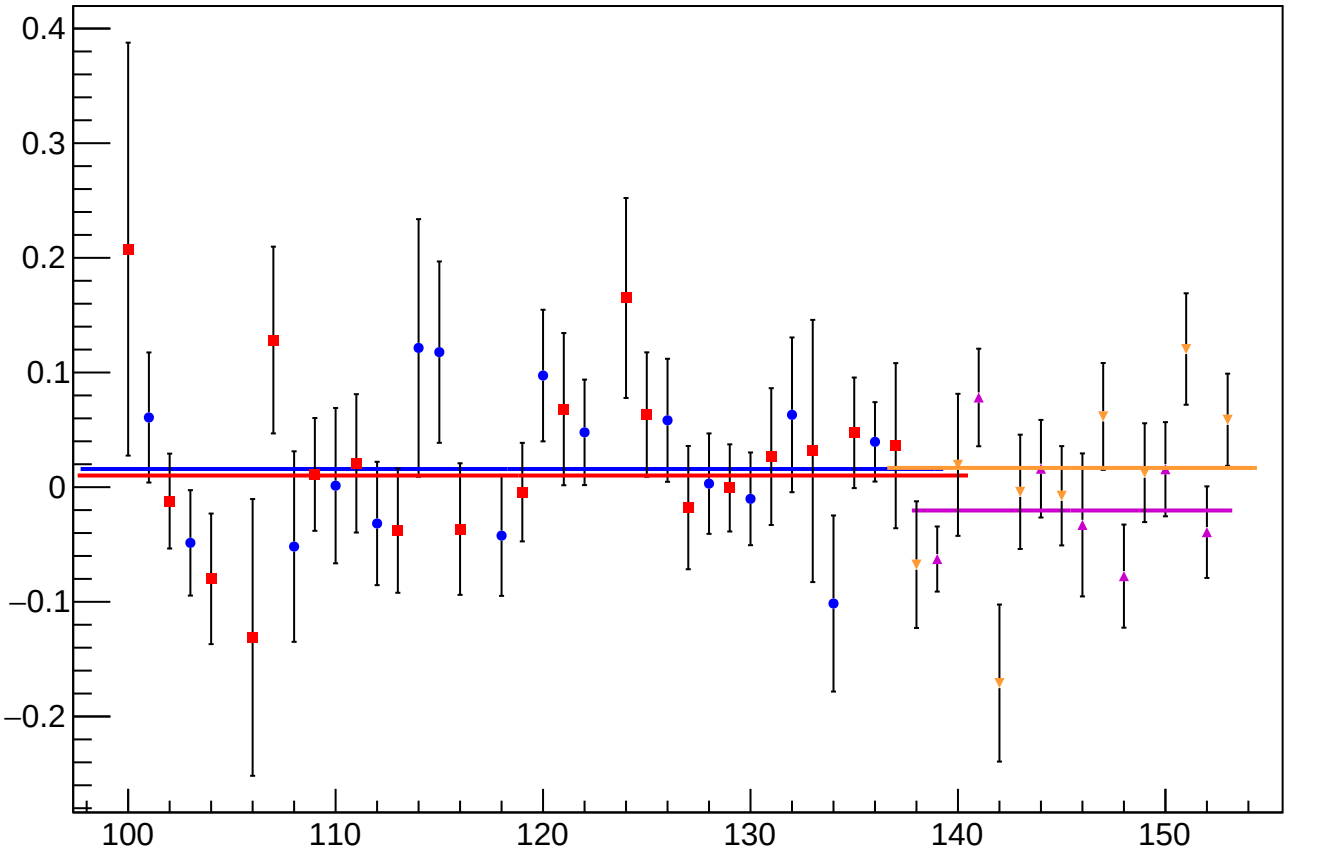
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:449123.9/6

+ sign 0.000+/-0.000 χ^2/NDF: 3802029.8/24

All: 0.000+/-0.000 χ^2/NDF: 7510251.6/50

- sign 0.000+/-0.000 χ^2/NDF: 3705359.5/25


asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
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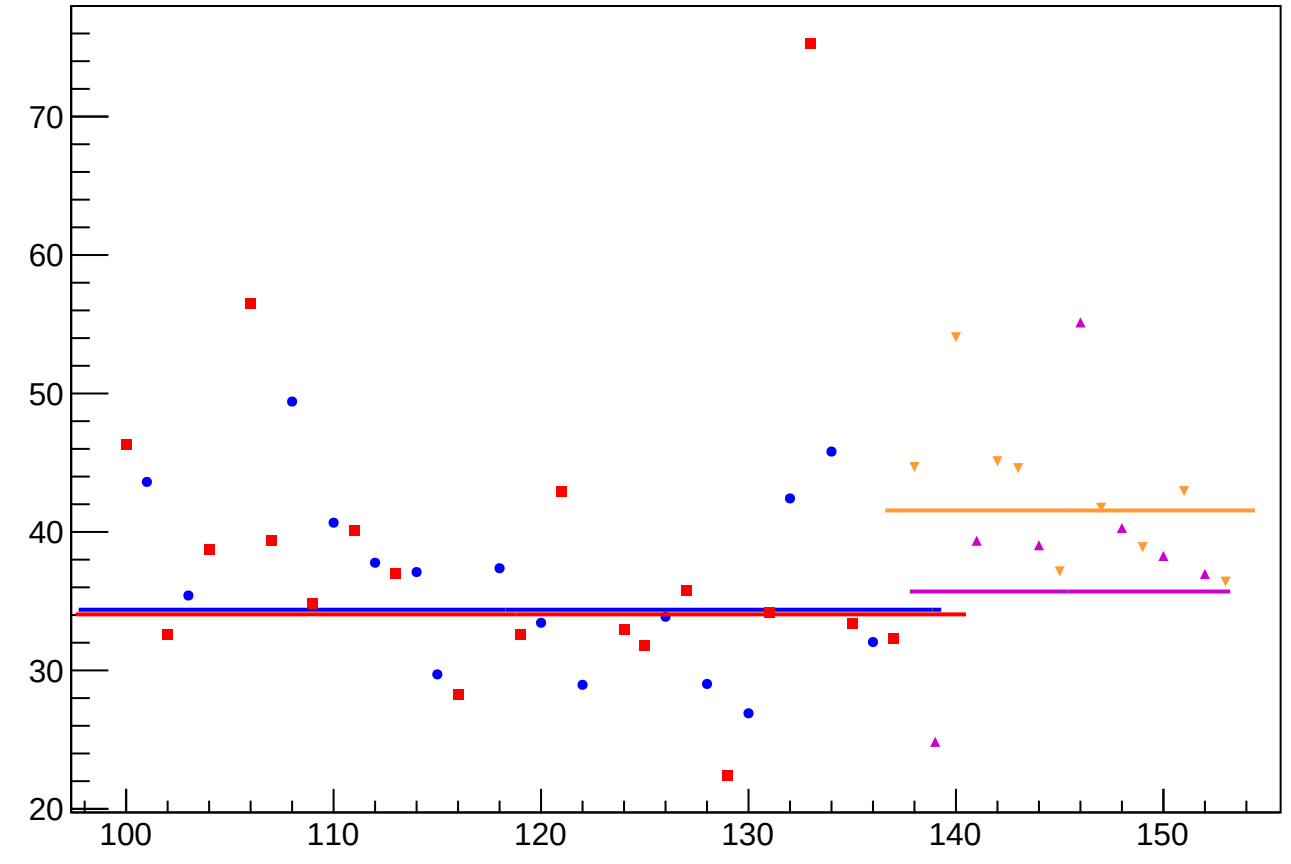
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.017+/-0.016 χ²/NDF:16.9/8
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.020+/-0.015 χ²/NDF:11.0/6
+ sign 0.016+/-0.010 χ²/NDF: 31.7/24
All: 0.006+/-0.007 χ²/NDF: 61.9/50
- sign -0.003+/-0.010 χ²/NDF: 28.4/25



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 41.551+/-0.012 χ^2/NDF:163539.0/8

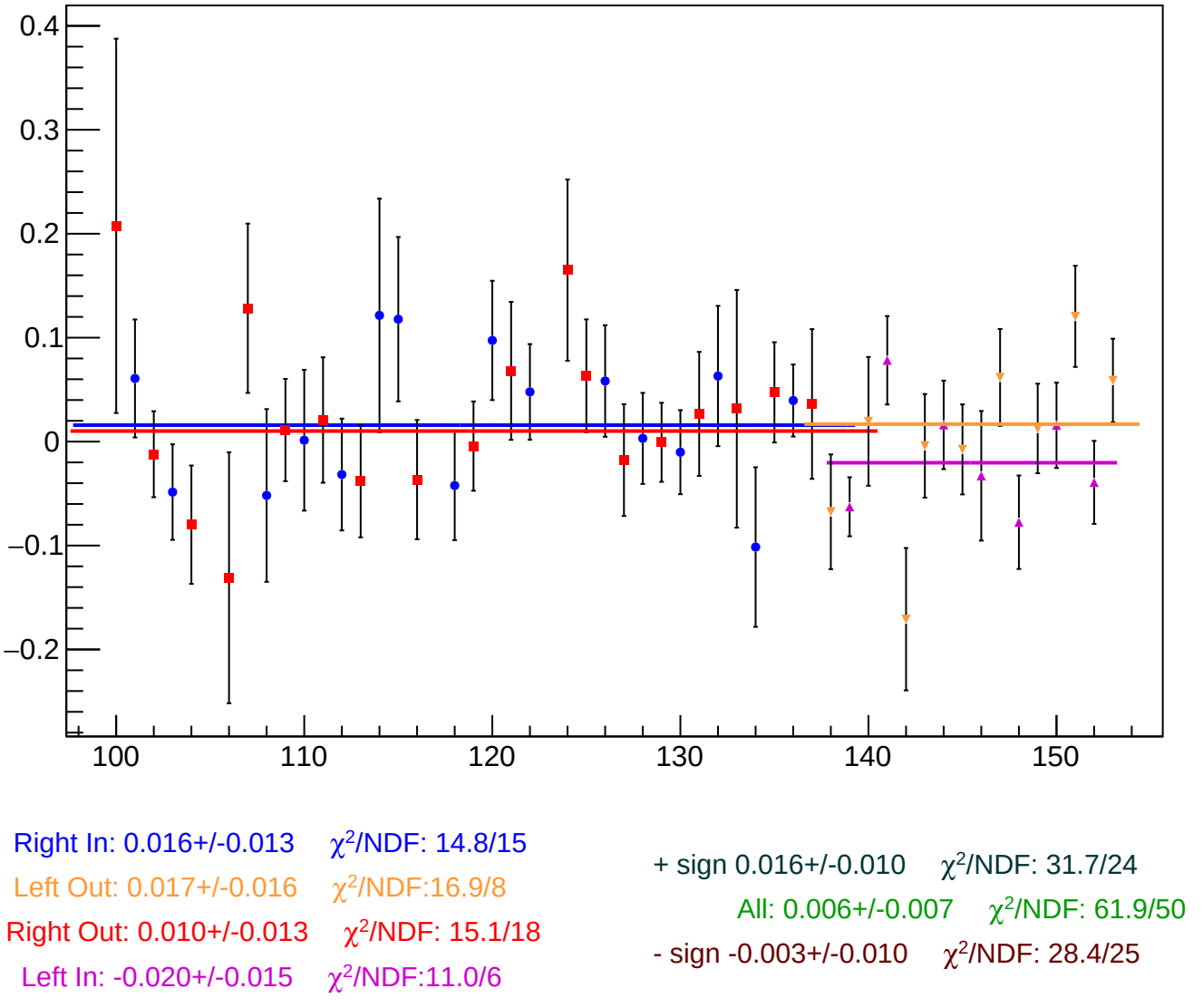
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

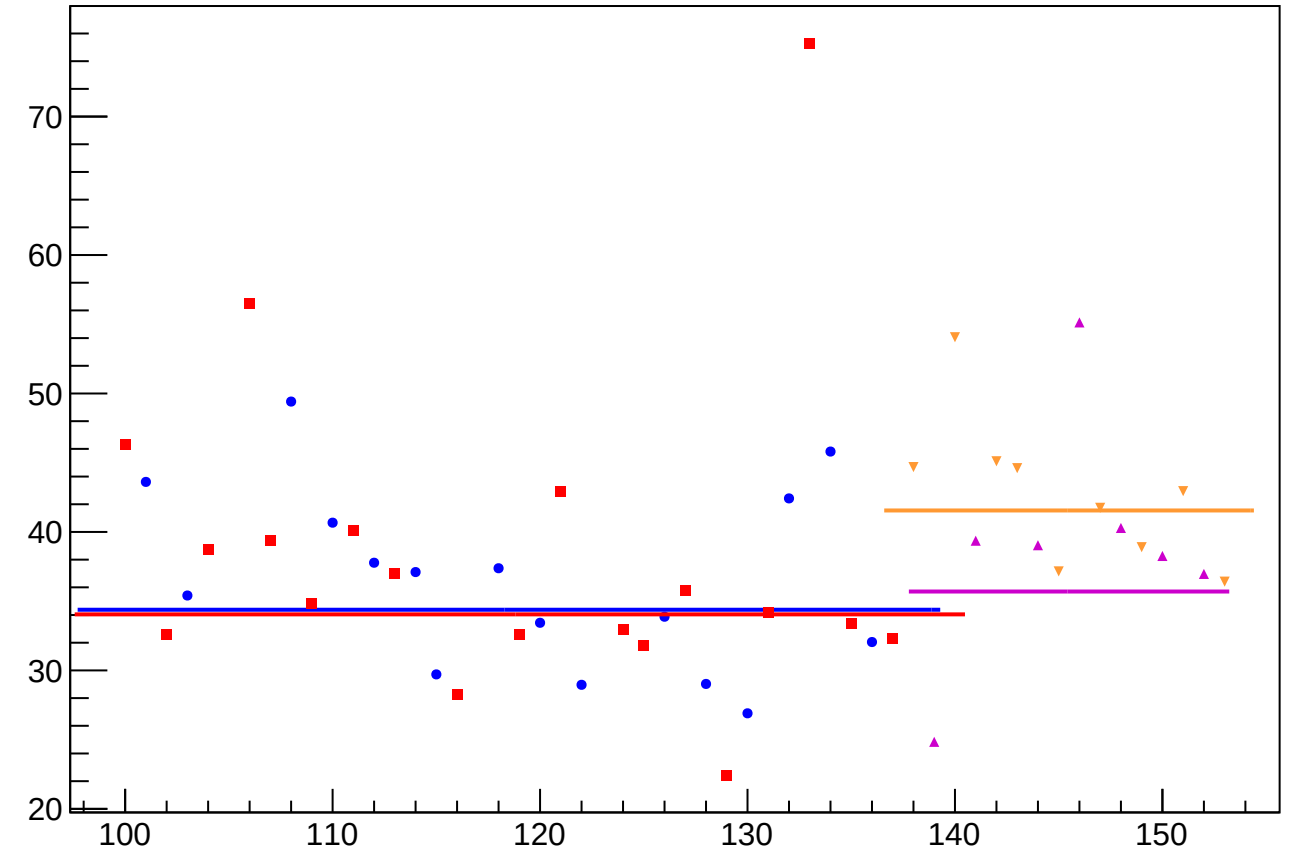
Left In: 35.698+/-0.011 χ^2/NDF:544427.8/6

+ sign 37.279+/-0.007 χ^2/NDF: 762918.9/24

All: 35.972+/-0.005 χ^2/NDF: 2025102.4/50

- sign 34.756+/-0.007 χ^2/NDF: 1200535.6/25


asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.017+/-0.016 χ²/NDF:16.9/8
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.020+/-0.015 χ²/NDF:11.0/6
+ sign 0.016+/-0.010 χ²/NDF: 31.7/24
All: 0.006+/-0.007 χ²/NDF: 61.9/50
- sign -0.003+/-0.010 χ²/NDF: 28.4/25



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 41.551+/-0.012 χ^2/NDF:163539.0/8

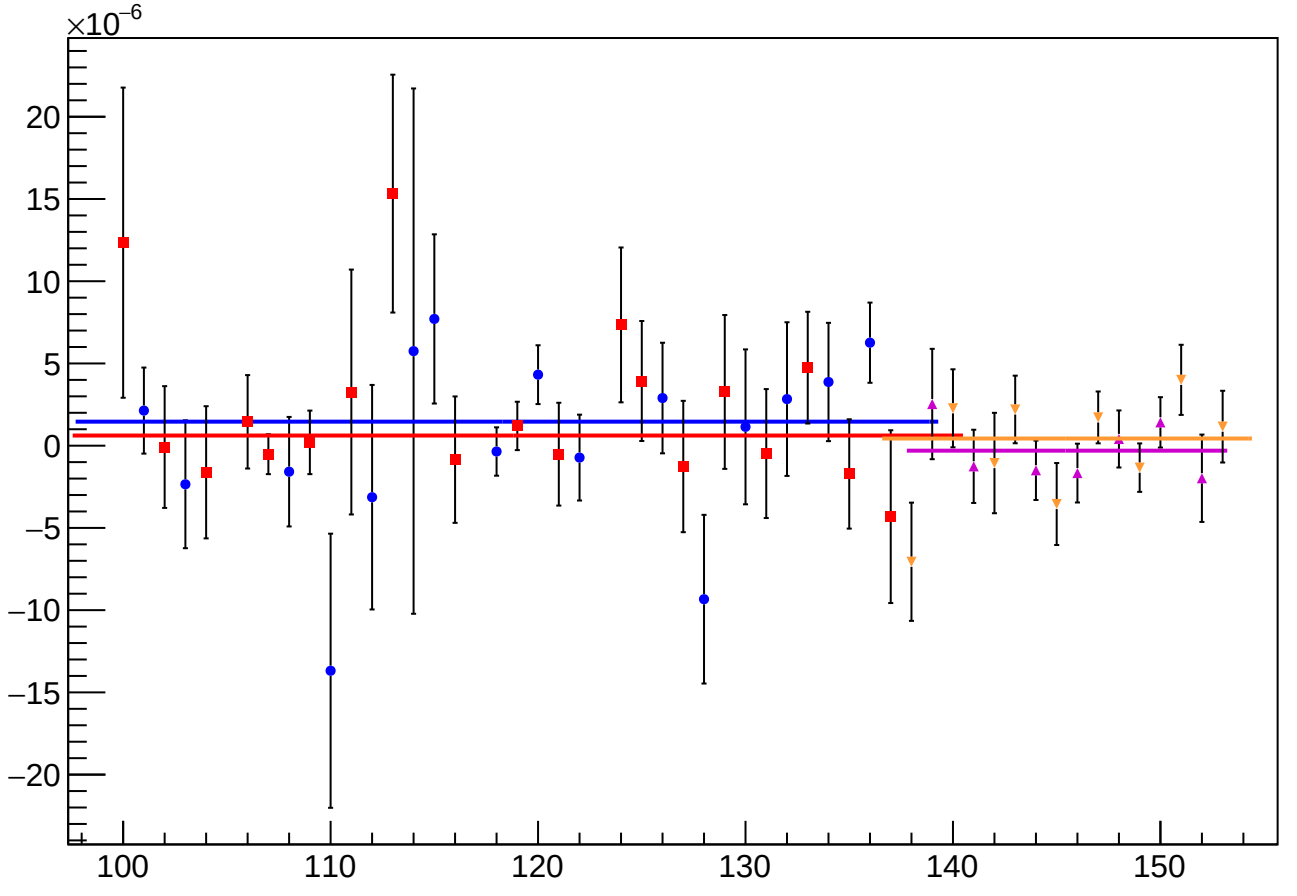
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.698+/-0.011 χ^2/NDF:544427.8/6

+ sign 37.279+/-0.007 χ^2/NDF: 762918.9/24

All: 35.972+/-0.005 χ^2/NDF: 2025102.4/50

- sign 34.756+/-0.007 χ^2/NDF: 1200535.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/8

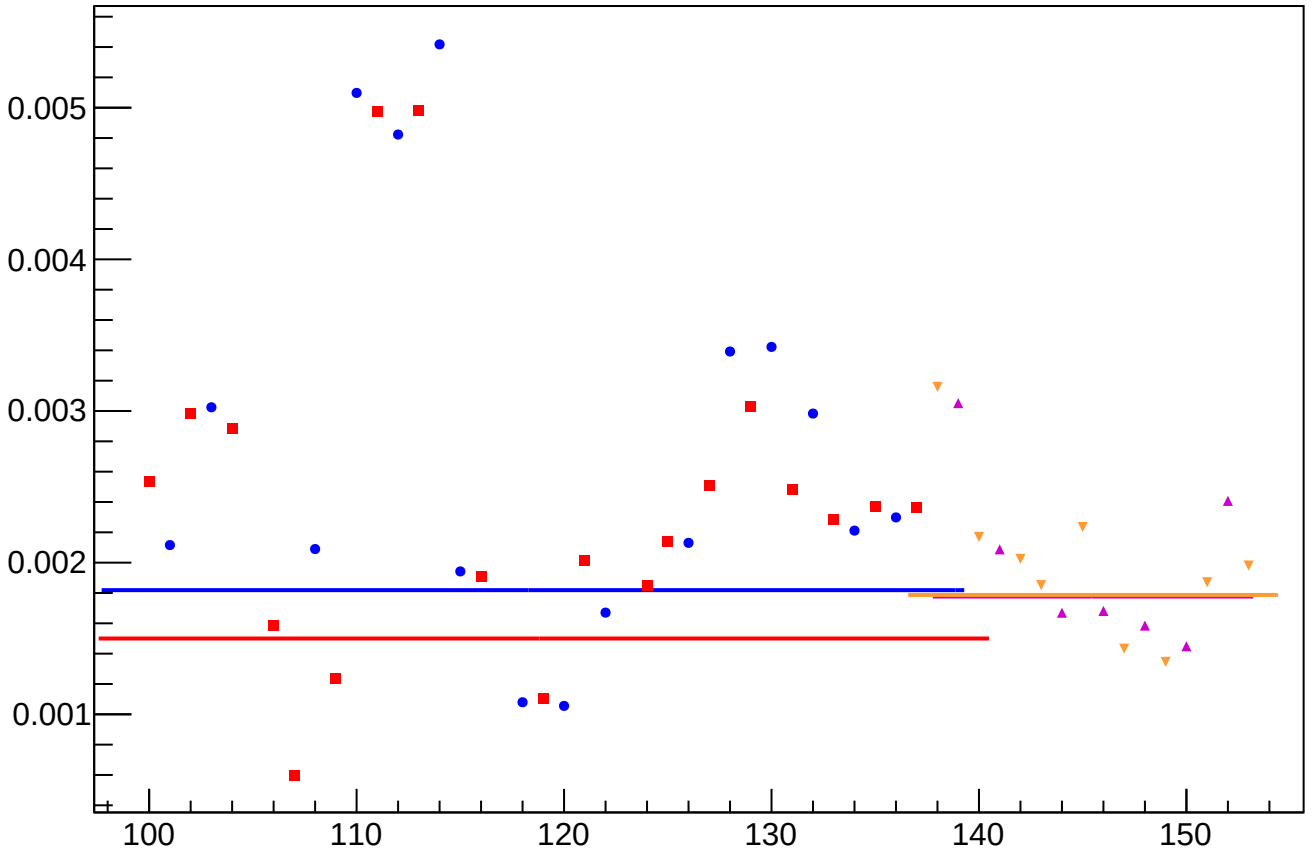
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/6

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/24

All: 0.000+/-0.000 χ^2/NDF: 55.0/50

- sign 0.000+/-0.000 χ^2/NDF: 18.6/25



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:721820.9/8

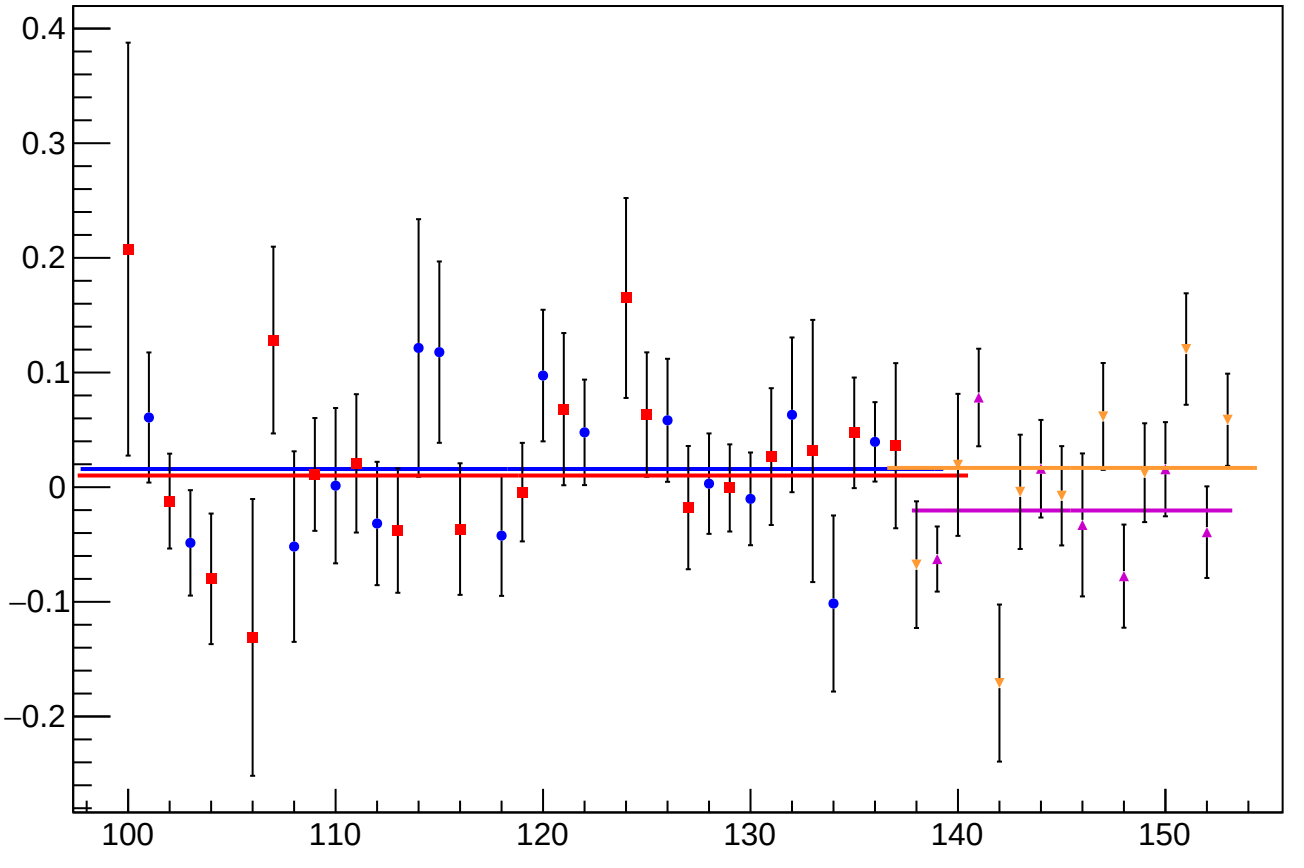
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:569751.1/6

+ sign 0.002+/-0.000 χ^2/NDF: 3293964.7/24

All: 0.002+/-0.000 χ^2/NDF: 7844691.2/50

- sign 0.002+/-0.000 χ^2/NDF: 4417099.1/25



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.017+/-0.016 χ^2/NDF:16.9/8

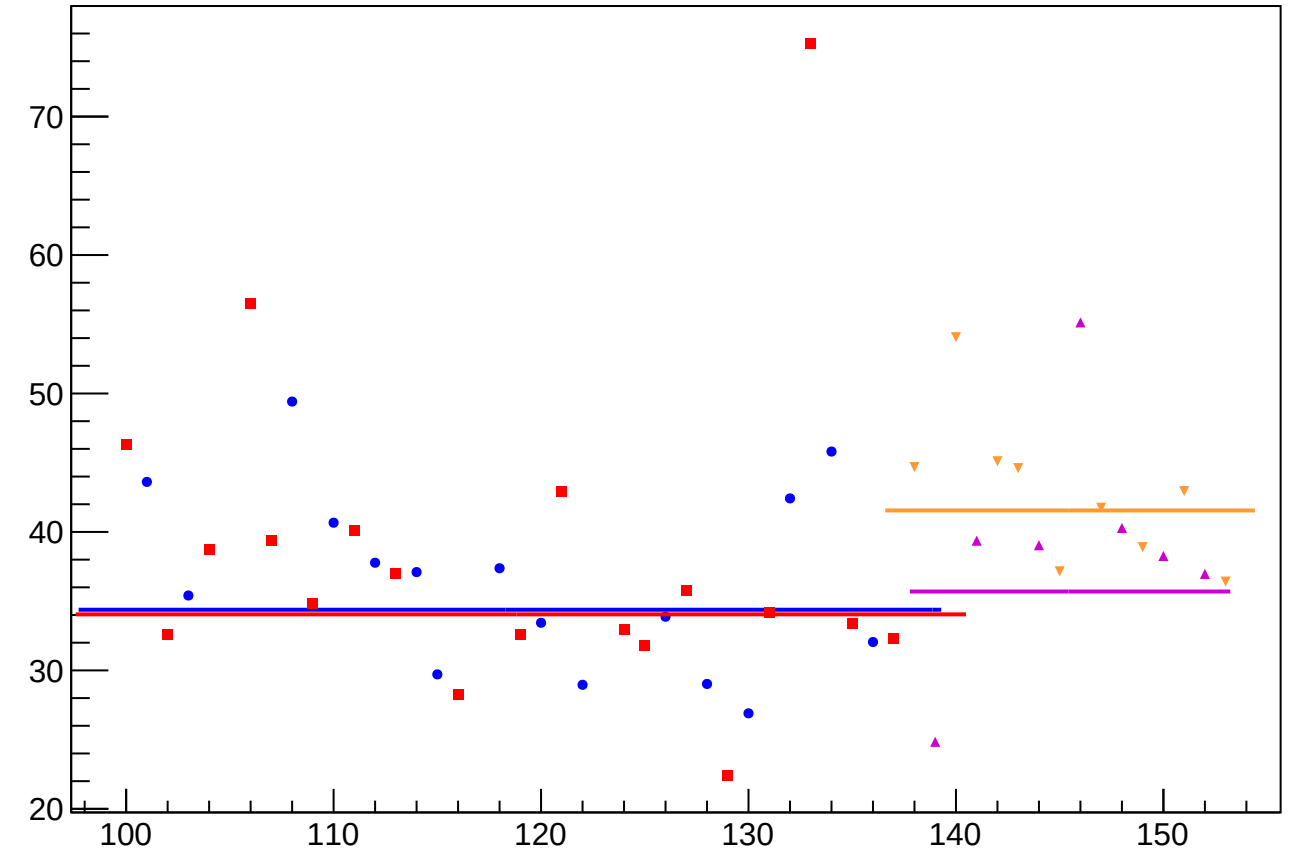
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.020+/-0.015 χ^2/NDF:11.0/6

+ sign 0.016+/-0.010 χ^2/NDF: 31.7/24

All: 0.006+/-0.007 χ^2/NDF: 61.9/50

- sign -0.003+/-0.010 χ^2/NDF: 28.4/25



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 41.552+/-0.012 χ^2/NDF:163528.1/8

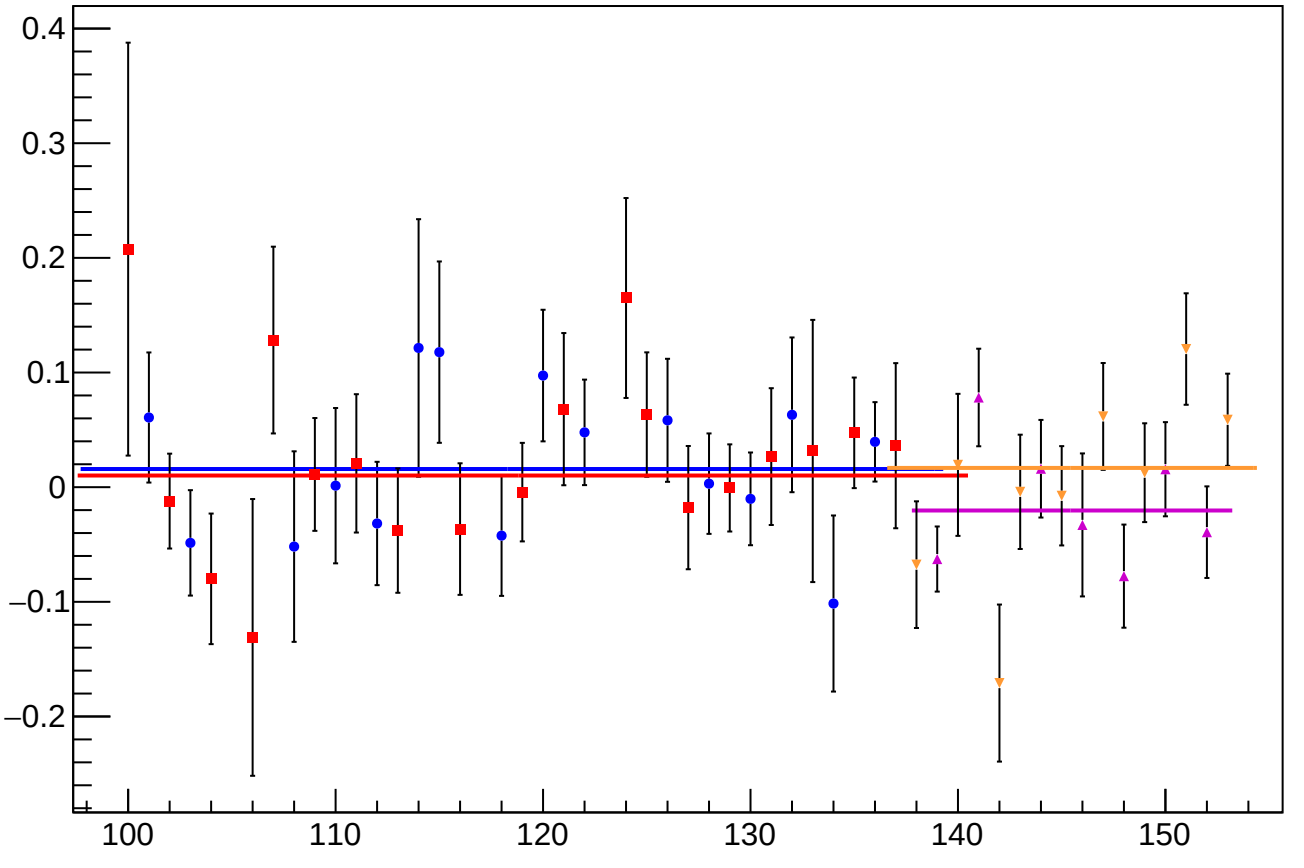
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.698+/-0.011 χ^2/NDF:544441.9/6

+ sign 37.278+/-0.007 χ^2/NDF: 763052.7/24

All: 35.972+/-0.005 χ^2/NDF: 2025301.4/50

- sign 34.756+/-0.007 χ^2/NDF: 1200609.9/25



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.017+/-0.016 χ^2/NDF:16.9/8

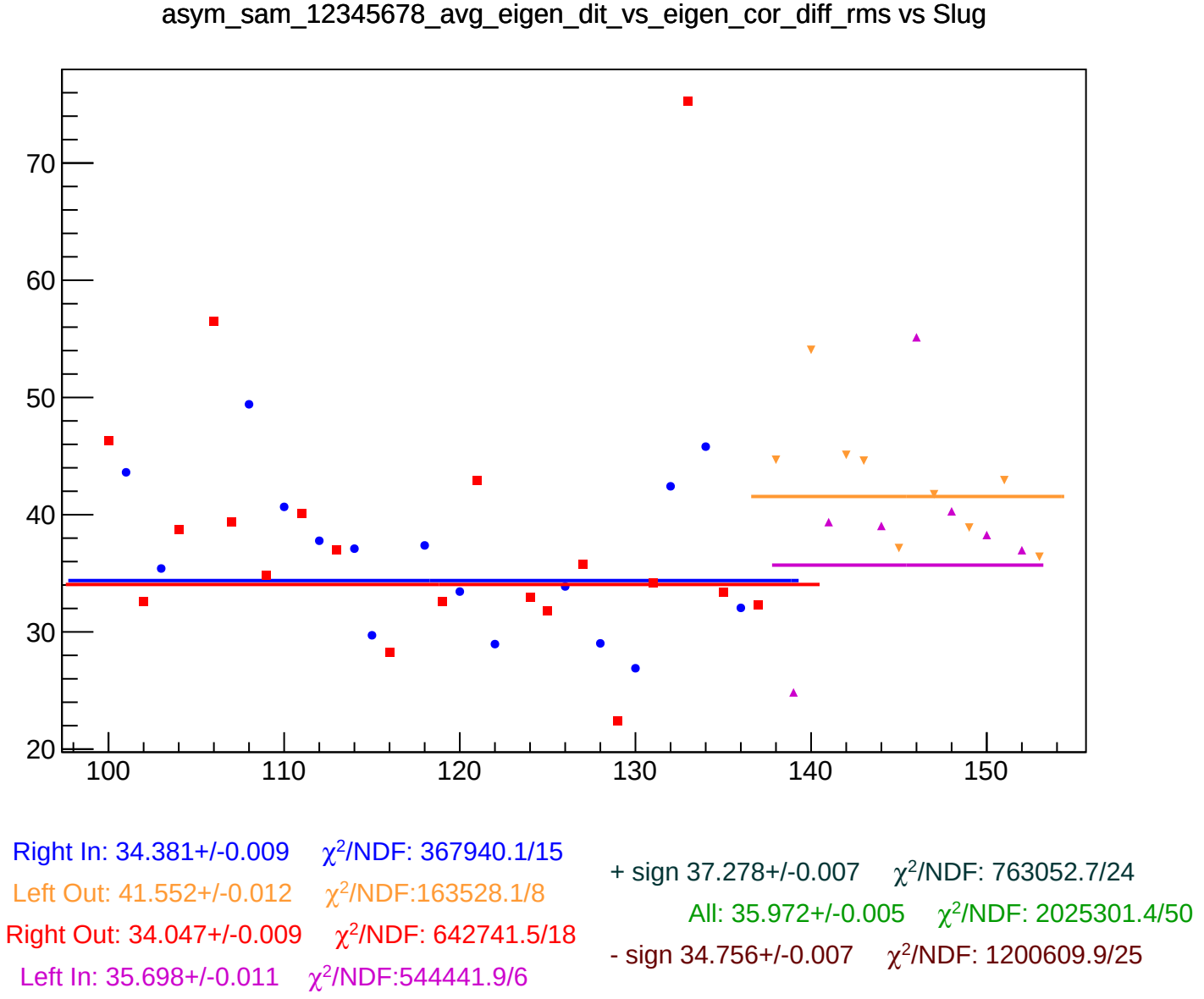
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.020+/-0.015 χ^2/NDF:11.0/6

+ sign 0.016+/-0.010 χ^2/NDF: 31.7/24

All: 0.006+/-0.007 χ^2/NDF: 61.9/50

- sign -0.003+/-0.010 χ^2/NDF: 28.4/25


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
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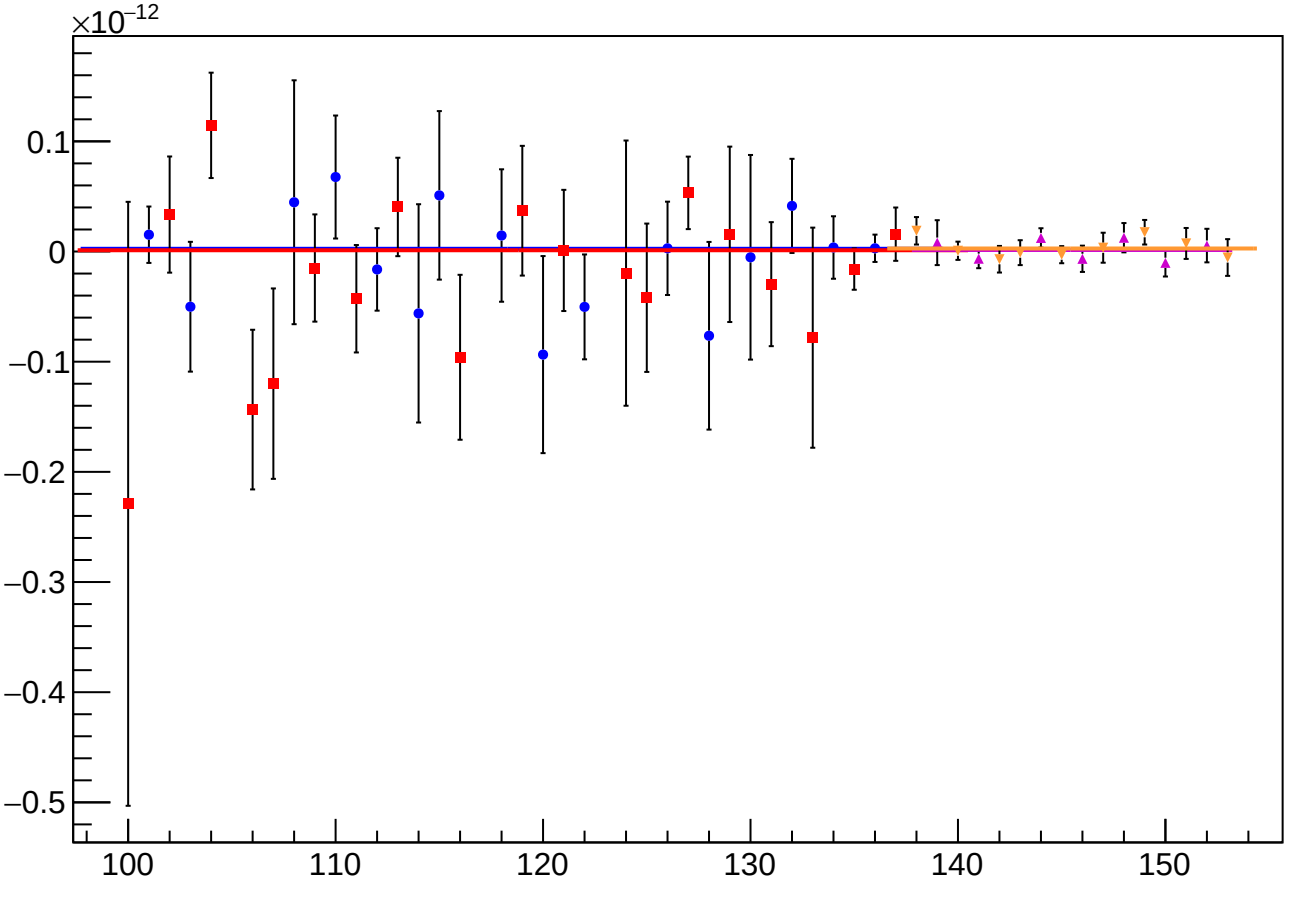
150
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 41.552+/-0.012 χ²/NDF:163528.1/8
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 35.698+/-0.011 χ²/NDF:544441.9/6
+ sign 37.278+/-0.007 χ²/NDF: 763052.7/24
All: 35.972+/-0.005 χ²/NDF: 2025301.4/50
- sign 34.756+/-0.007 χ²/NDF: 1200609.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/8

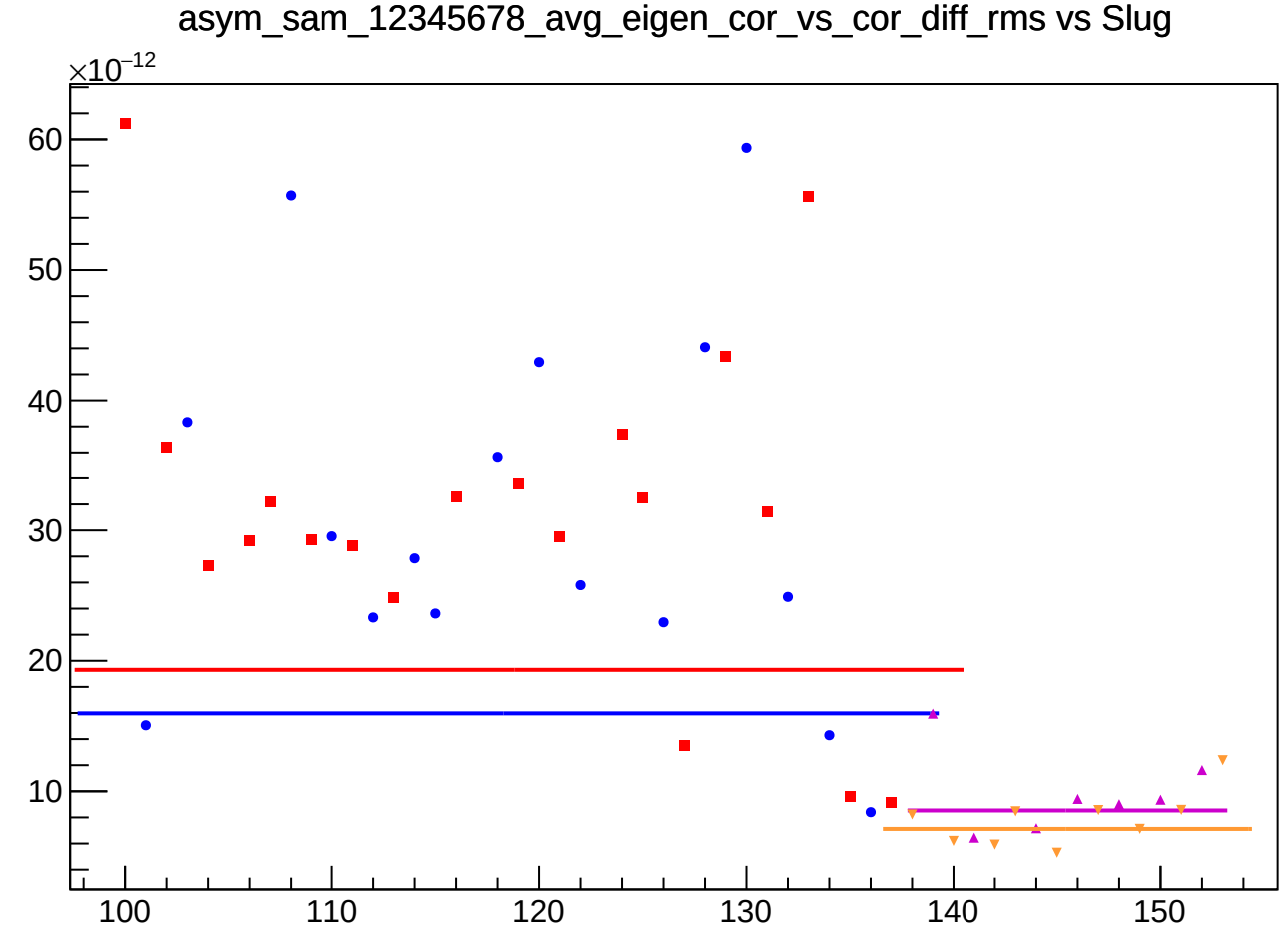
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/6

+ sign 0.000+/-0.000 χ^2/NDF: 12.8/24

All: 0.000+/-0.000 χ^2/NDF: 38.9/50

- sign 0.000+/-0.000 χ^2/NDF: 26.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:441937.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

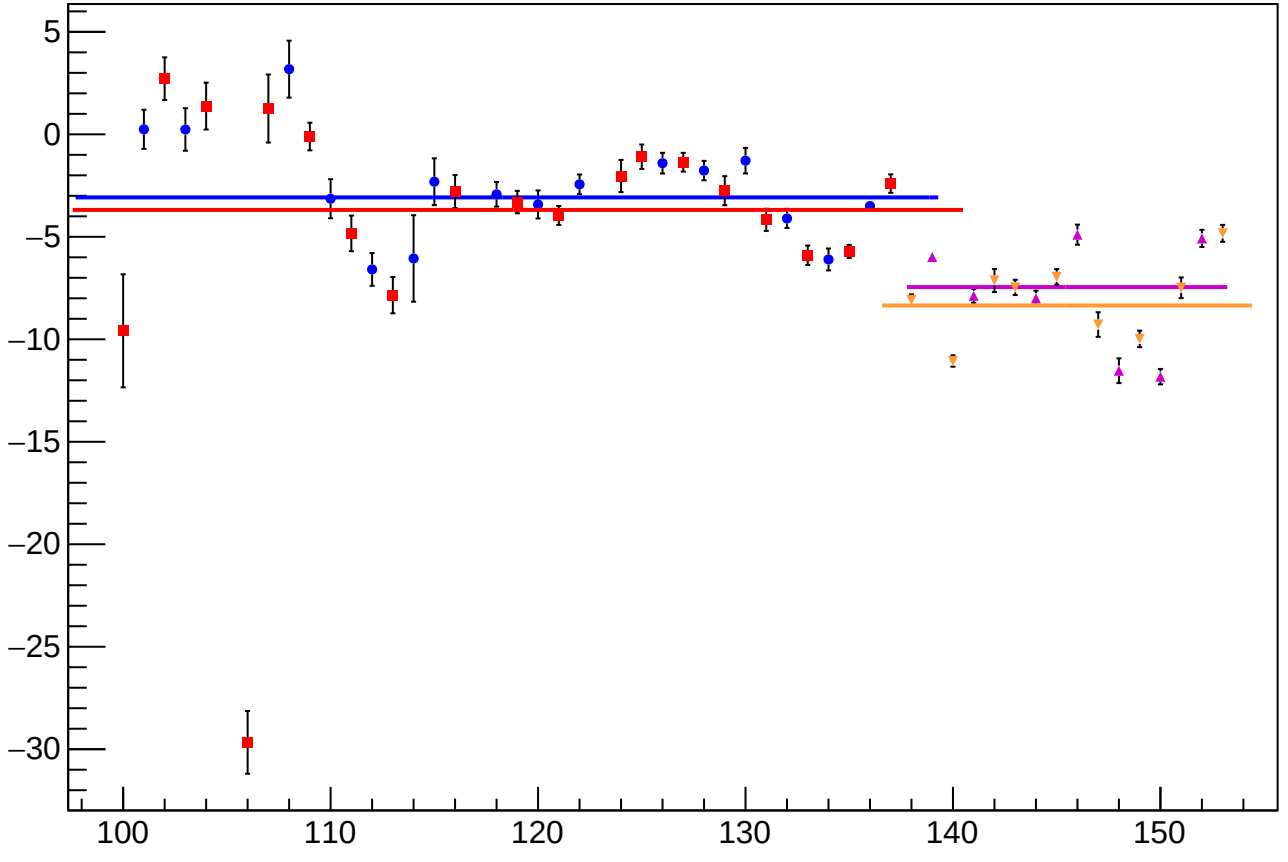
Left In: 0.000+/-0.000 χ^2/NDF:534321.5/6

+ sign 0.000+/-0.000 χ^2/NDF: 5015038.4/24

All: 0.000+/-0.000 χ^2/NDF: 10097483.3/50

- sign 0.000+/-0.000 χ^2/NDF: 4858690.3/25

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.350+/-0.126 χ^2/NDF:214.6/8

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

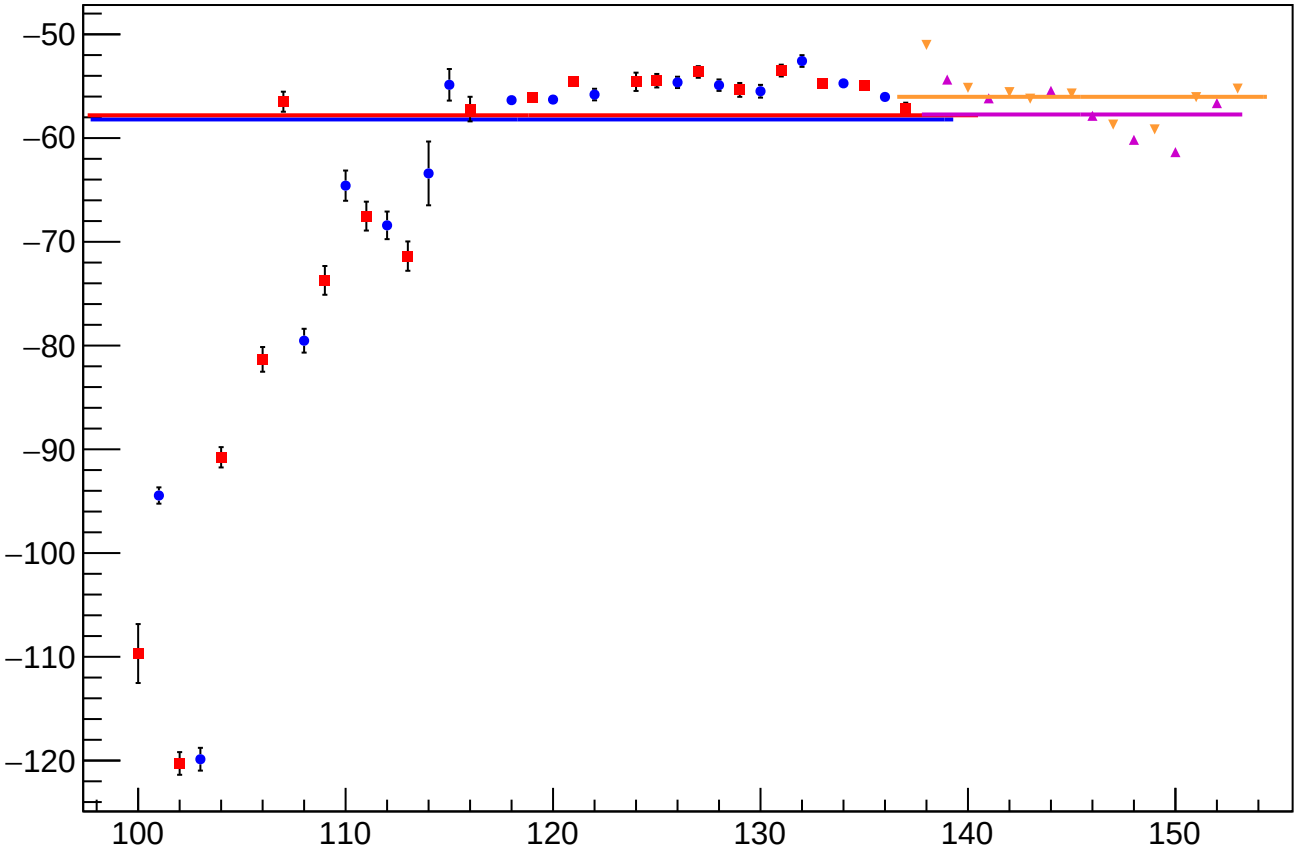
Left In: -7.451+/-0.138 χ^2/NDF:280.8/6

+ sign -5.892+/-0.092 χ^2/NDF: 1160.1/24

All: -5.757+/-0.067 χ^2/NDF: 2347.3/50

- sign -5.603+/-0.098 χ^2/NDF: 1182.6/25

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -56.023+/-0.095 χ^2/NDF:516.3/8

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

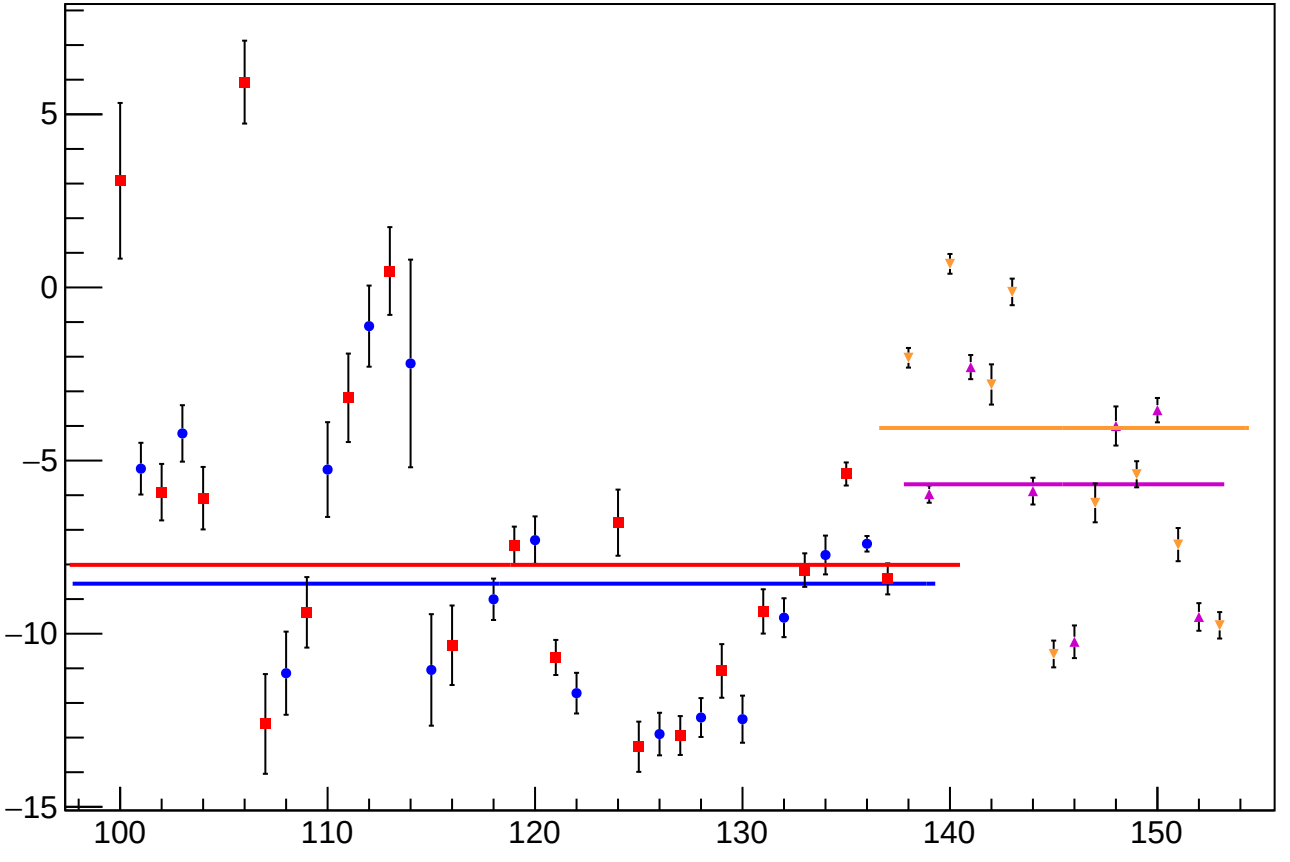
Left In: -57.726+/-0.109 χ^2/NDF:452.3/6

+ sign -56.740+/-0.078 χ^2/NDF: 6817.0/24

All: -57.198+/-0.058 χ^2/NDF: 13139.3/50

- sign -57.756+/-0.086 χ^2/NDF: 6245.2/25

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -4.058+/-0.126 χ^2/NDF:1020.7/8

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

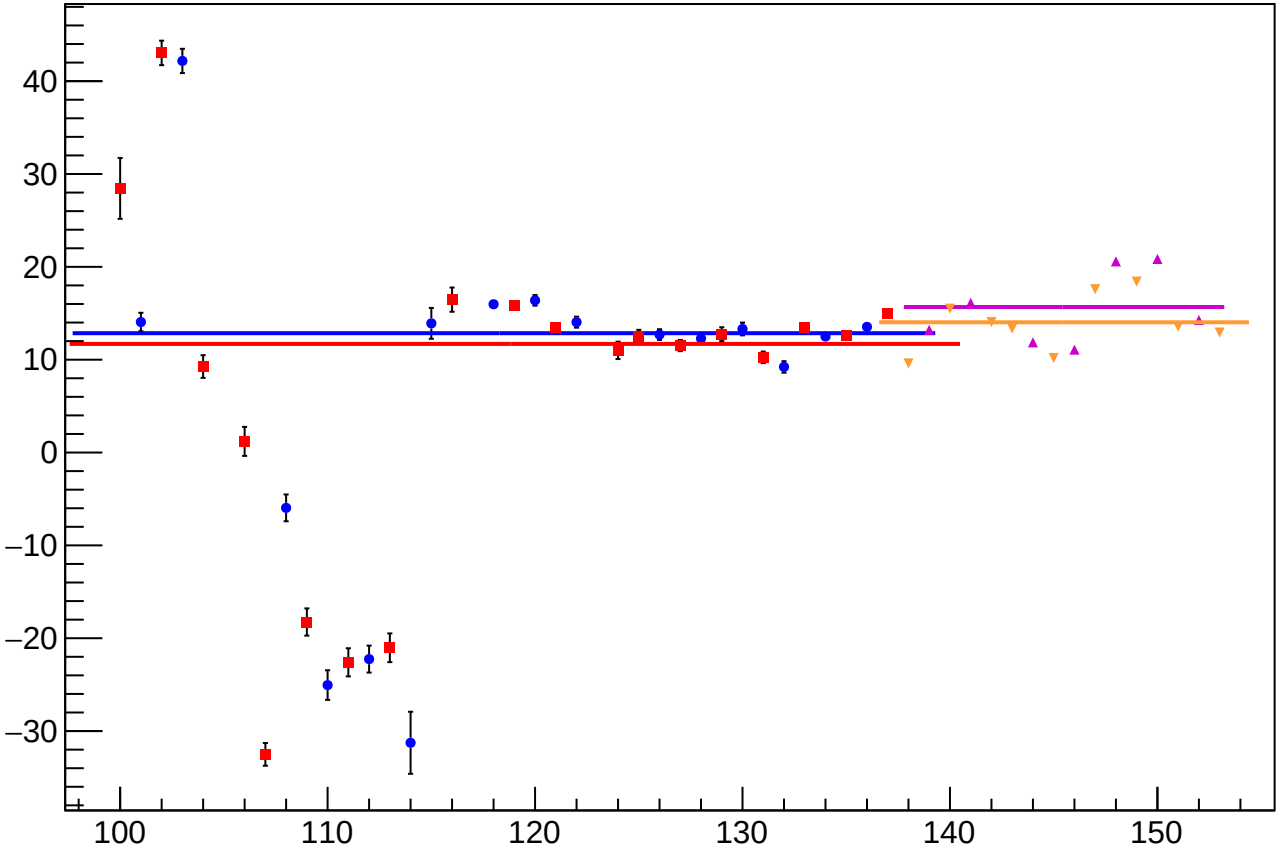
Left In: -5.685+/-0.138 χ^2/NDF:326.8/6

+ sign -6.005+/-0.095 χ^2/NDF: 1869.0/24

All: -6.339+/-0.070 χ^2/NDF: 2839.6/50

- sign -6.725+/-0.102 χ^2/NDF: 944.1/25

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 14.029+/-0.113 χ^2/NDF:611.0/8

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

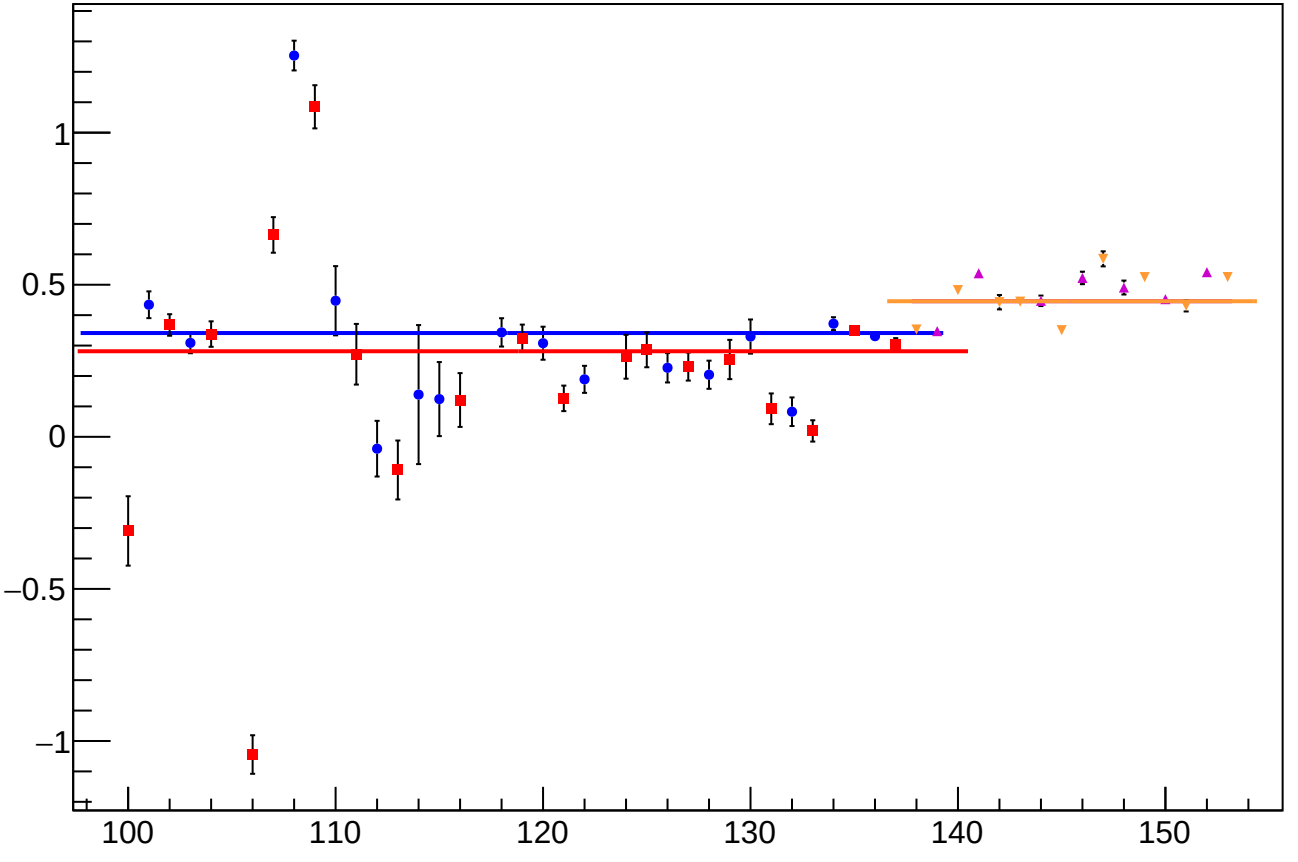
Left In: 15.673+/-0.129 χ^2/NDF:800.3/6

+ sign 13.605+/-0.090 χ^2/NDF: 2778.6/24

All: 13.809+/-0.067 χ^2/NDF: 7478.1/50

- sign 14.054+/-0.099 χ^2/NDF: 4688.3/25

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.446+/-0.005 χ^2/NDF:212.9/8

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

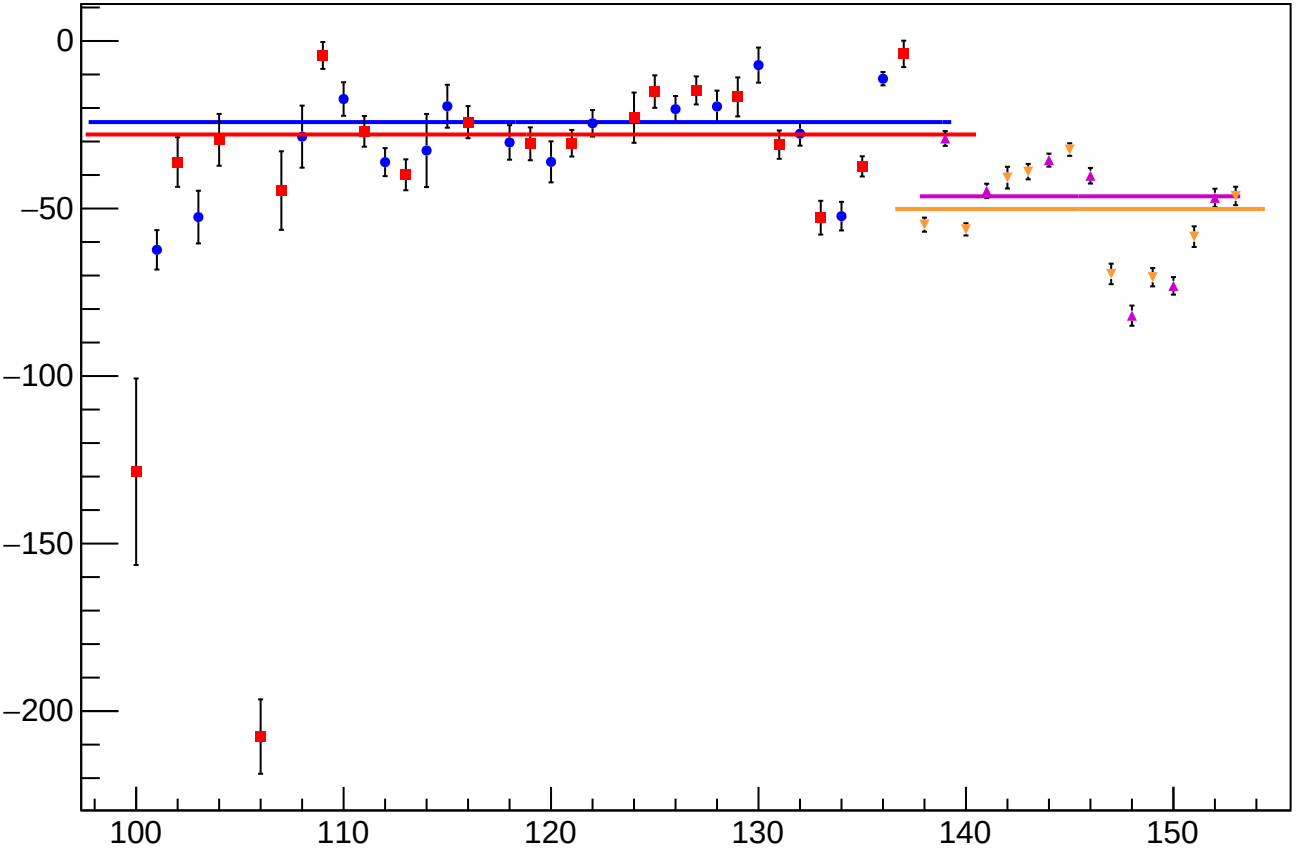
Left In: 0.446+/-0.005 χ^2/NDF:226.6/6

+ sign 0.415+/-0.004 χ^2/NDF: 772.2/24

All: 0.408+/-0.003 χ^2/NDF: 2052.8/50

- sign 0.399+/-0.005 χ^2/NDF: 1273.9/25

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -50.134+/-0.799 χ^2/NDF:241.8/8

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

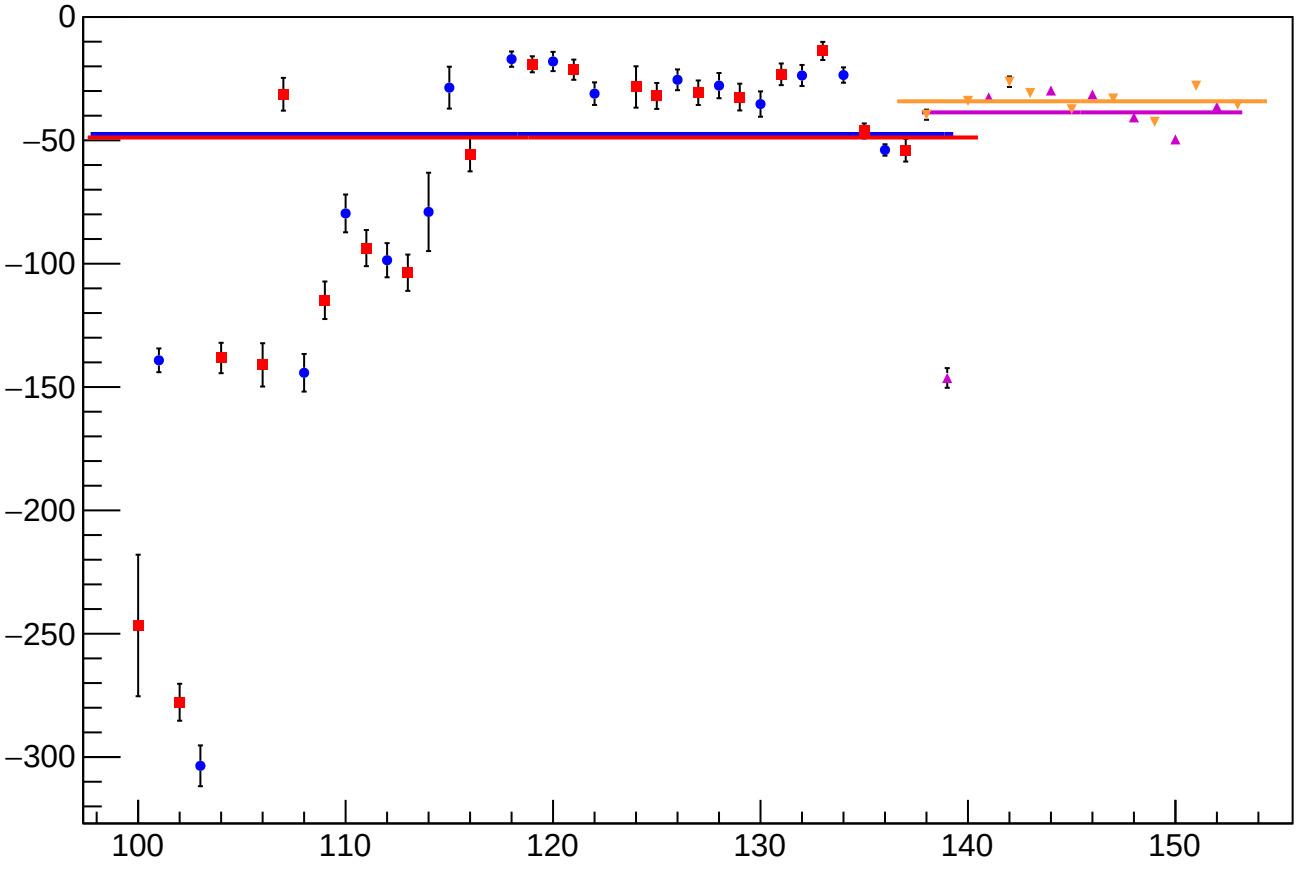
Left In: -46.360+/-0.889 χ^2/NDF:344.5/6

+ sign -41.038+/-0.643 χ^2/NDF: 782.4/24

All: -40.269+/-0.474 χ^2/NDF: 1706.9/50

- sign -39.357+/-0.700 χ^2/NDF: 921.4/25

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -34.162+/-0.563 χ^2/NDF:67.8/8

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

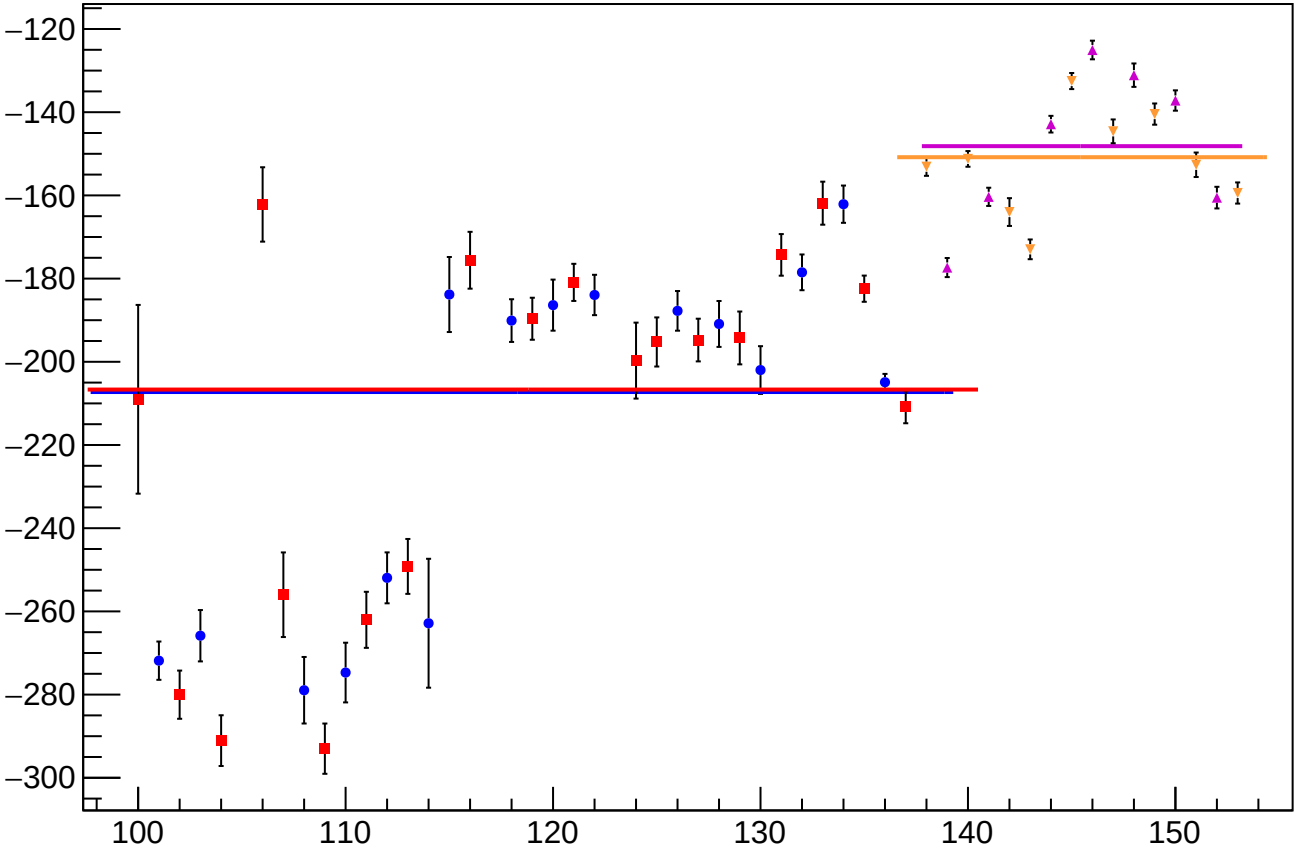
Left In: -38.663+/-0.620 χ^2/NDF:853.7/6

+ sign -36.912+/-0.501 χ^2/NDF: 2056.2/24

All: -38.706+/-0.370 χ^2/NDF: 4770.7/50

- sign -40.856+/-0.549 χ^2/NDF: 2686.3/25

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -150.818+/-0.798 χ^2/NDF:226.5/8

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

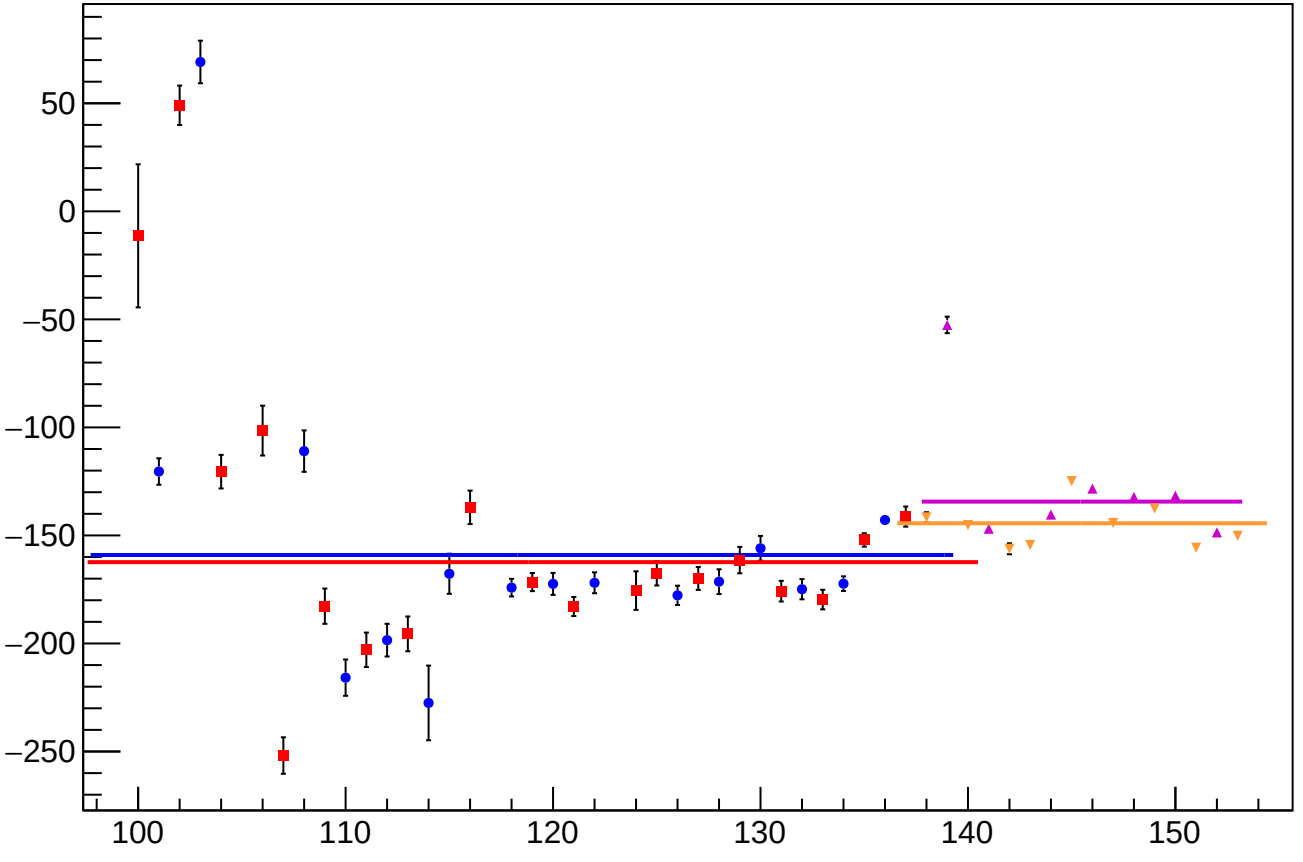
Left In: -148.163+/-0.881 χ^2/NDF:385.4/6

+ sign -168.576+/-0.661 χ^2/NDF: 2547.9/24

All: -167.854+/-0.489 χ^2/NDF: 5324.0/50

- sign -166.983+/-0.726 χ^2/NDF: 2773.5/25

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -144.375+/-0.682 χ^2/NDF:217.9/8

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

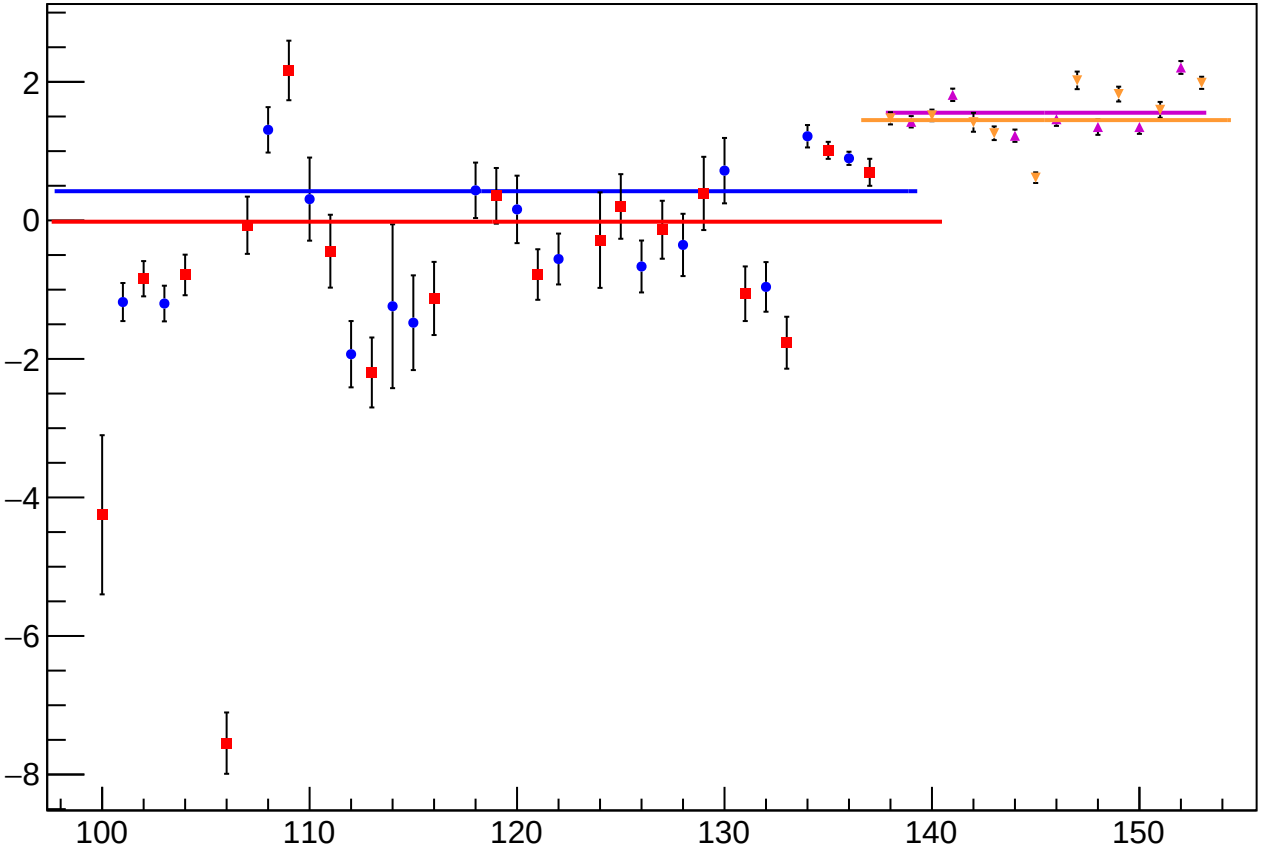
Left In: -134.352+/-0.753 χ^2/NDF:575.1/6

+ sign -147.844+/-0.596 χ^2/NDF: 1143.1/24

All: -144.837+/-0.441 χ^2/NDF: 2985.2/50

- sign -141.205+/-0.655 χ^2/NDF: 1785.9/25

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.448+/-0.032 χ^2/NDF:193.9/8

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

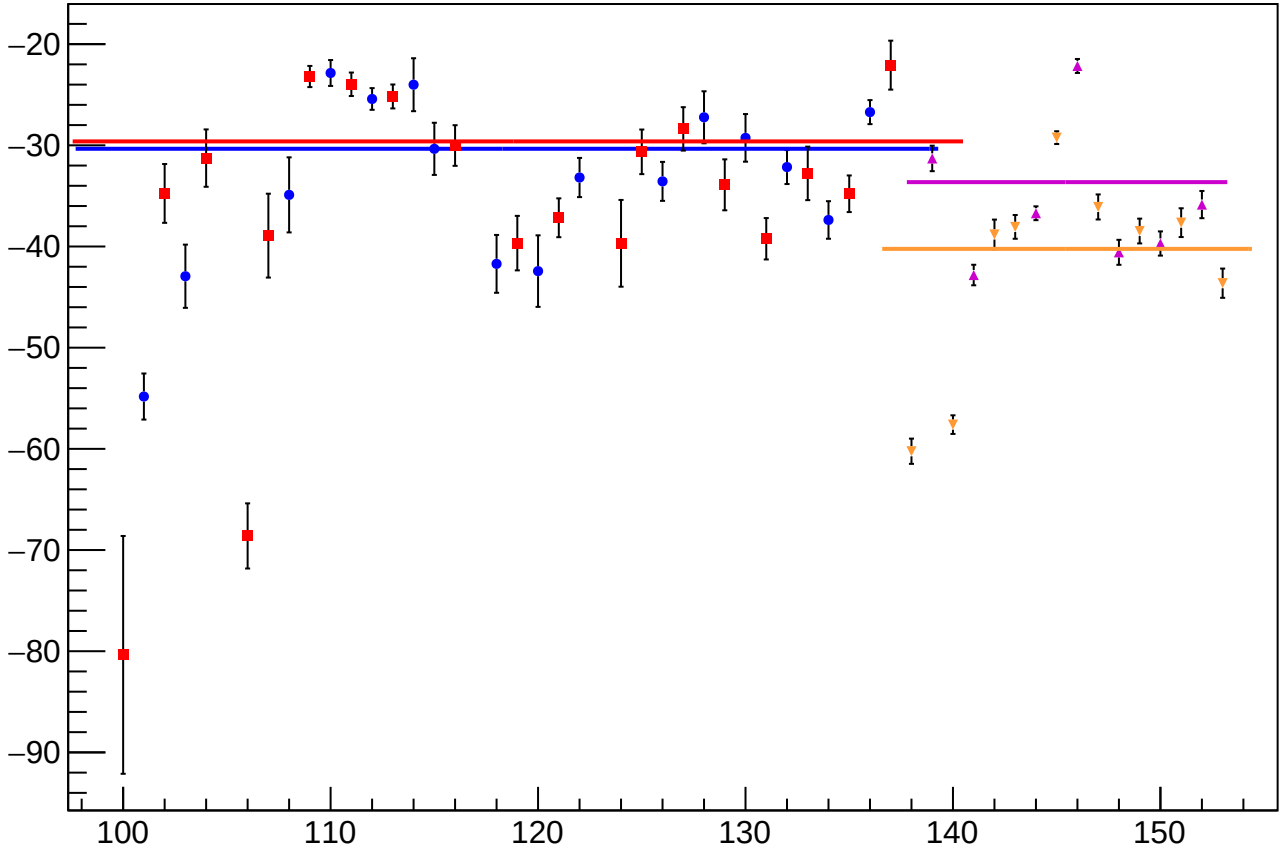
Left In: 1.554+/-0.035 χ^2/NDF:82.8/6

+ sign 1.243+/-0.029 χ^2/NDF: 592.3/24

All: 1.247+/-0.021 χ^2/NDF: 1545.3/50

- sign 1.251+/-0.032 χ^2/NDF: 953.0/25

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.234+/-0.358 χ^2/NDF:942.2/8

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

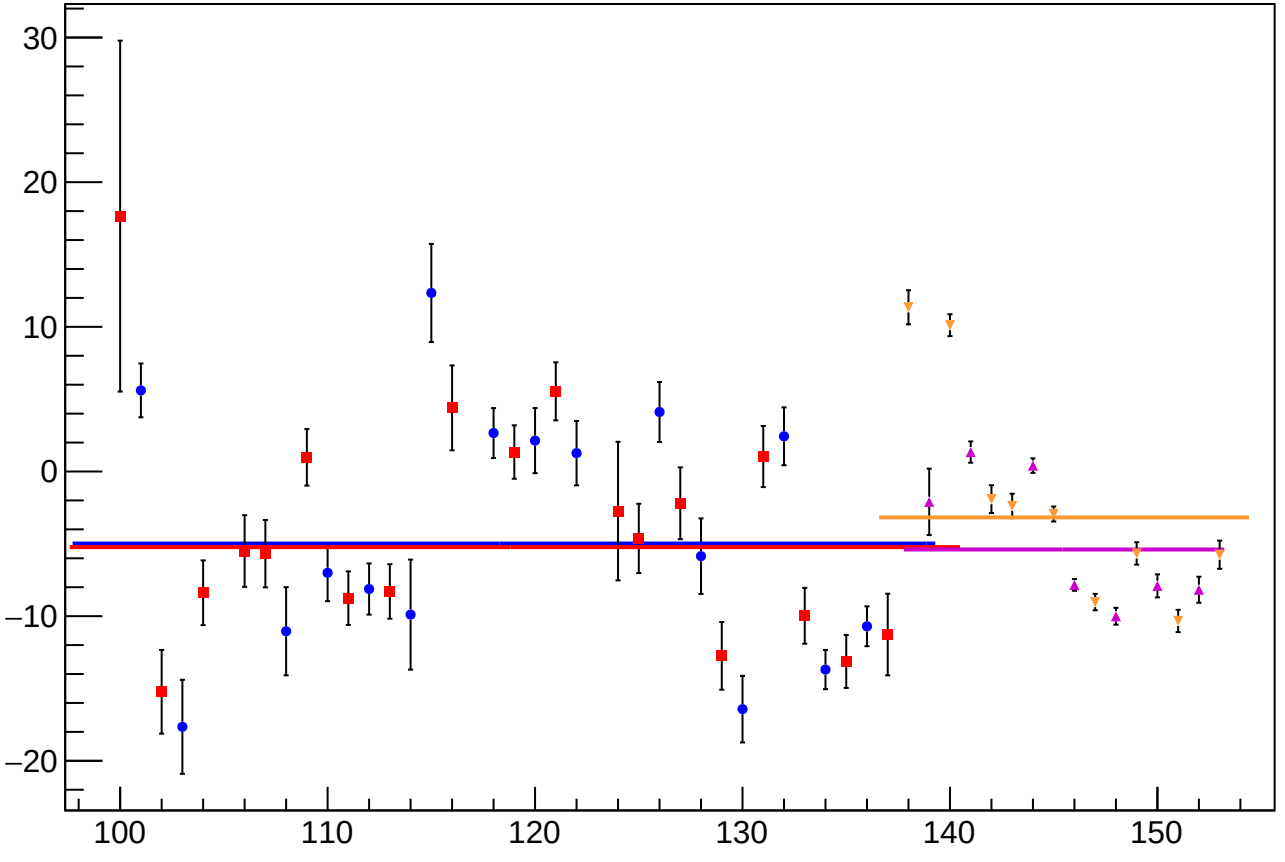
Left In: -33.638+/-0.359 χ^2/NDF:441.4/6

+ sign -36.582+/-0.284 χ^2/NDF: 1477.8/24

All: -34.301+/-0.200 χ^2/NDF: 2424.5/50

- sign -32.072+/-0.281 χ^2/NDF: 819.3/25

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.174+/-0.249 χ^2/NDF:672.6/8

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

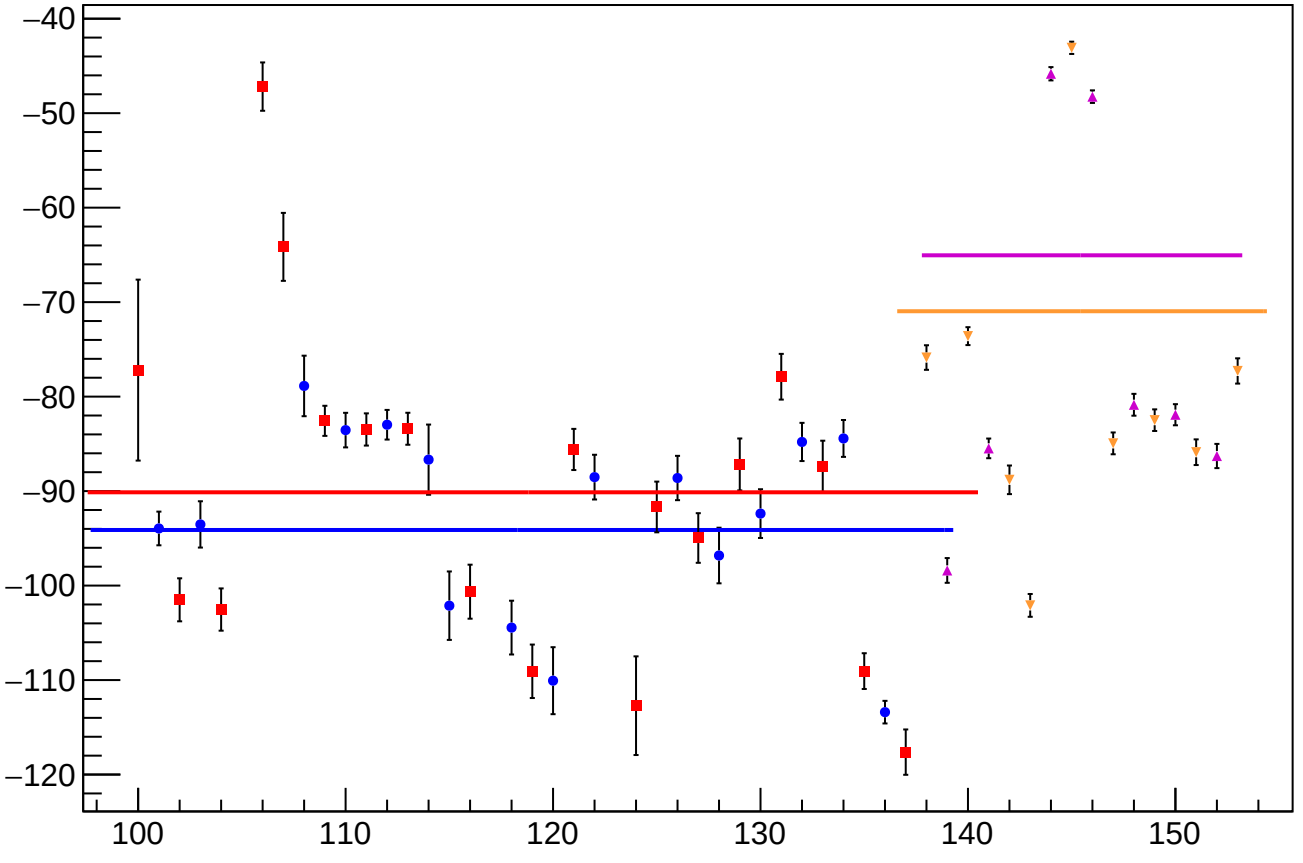
Left In: -5.392+/-0.237 χ^2/NDF:337.2/6

+ sign -3.521+/-0.223 χ^2/NDF: 920.1/24

All: -4.475+/-0.155 χ^2/NDF: 1429.0/50

- sign -5.365+/-0.216 χ^2/NDF: 473.7/25

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -70.963+/-0.358 χ^2/NDF:3054.9/8

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

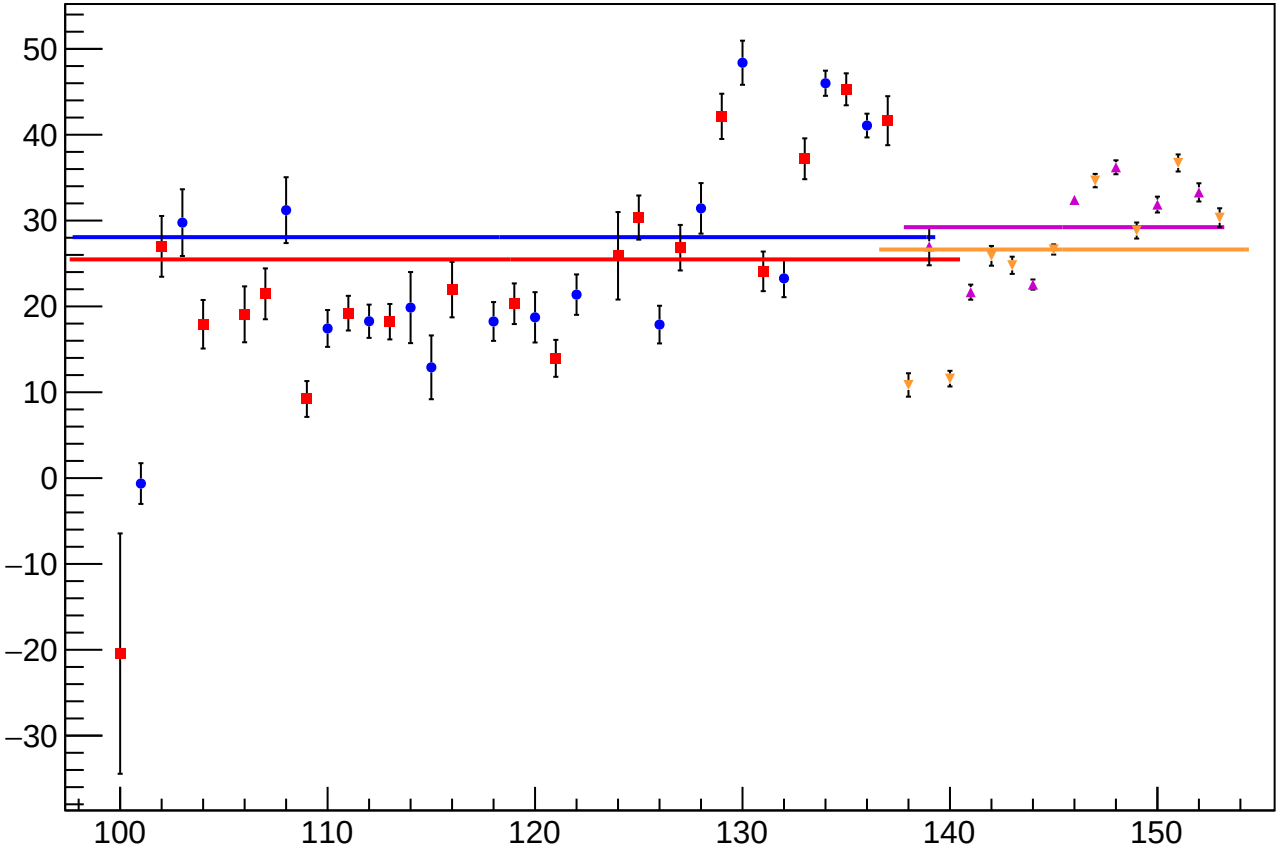
Left In: -65.043+/-0.355 χ^2/NDF:3103.5/6

+ sign -78.083+/-0.298 χ^2/NDF: 4808.7/24

All: -75.313+/-0.210 χ^2/NDF: 10369.4/50

- sign -72.556+/-0.297 χ^2/NDF: 5388.0/25

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.630+/-0.302 χ^2/NDF:635.1/8

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

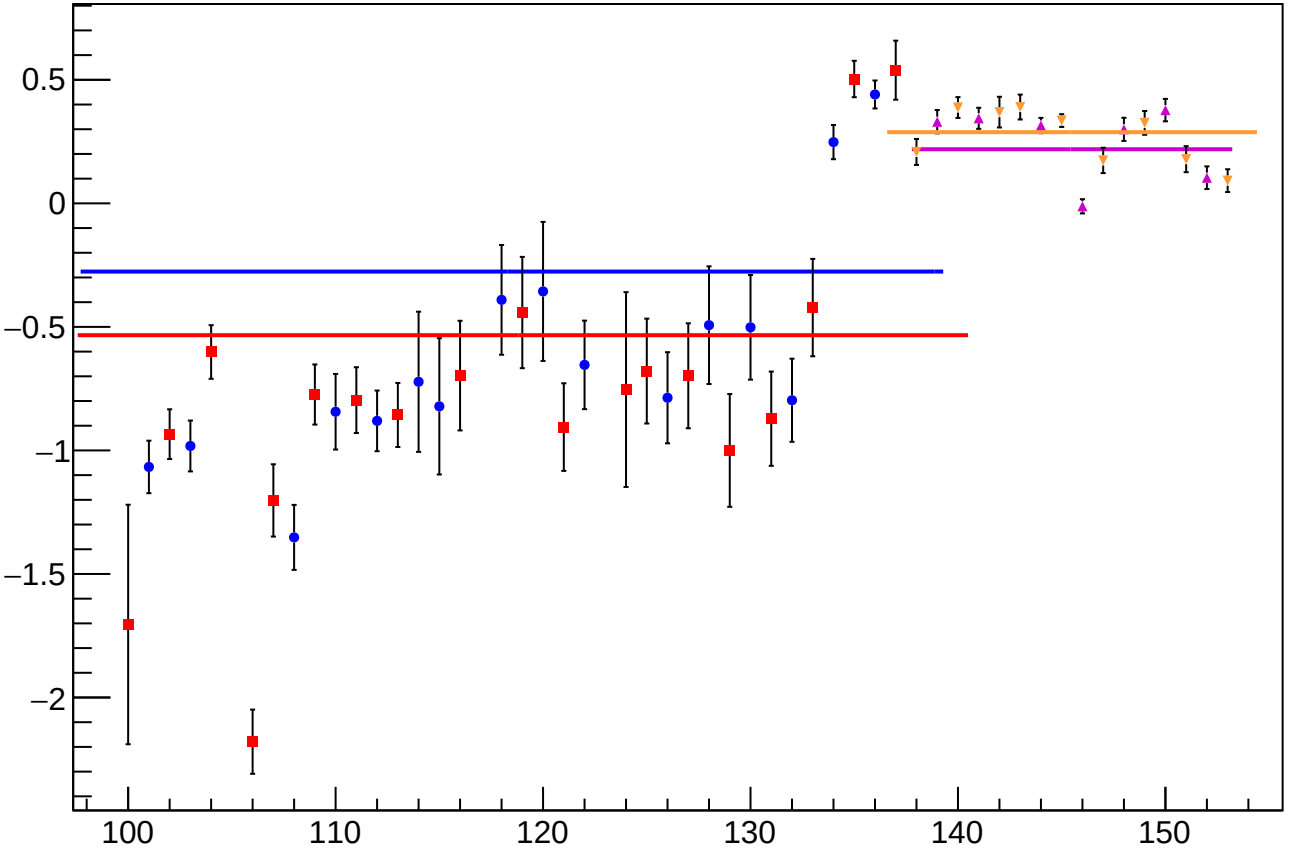
Left In: 29.235+/-0.291 χ^2/NDF:338.6/6

+ sign 26.947+/-0.267 χ^2/NDF: 1223.2/24

All: 27.739+/-0.187 χ^2/NDF: 1966.3/50

- sign 28.499+/-0.261 χ^2/NDF: 725.8/25

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.288+/-0.015 χ^2/NDF:45.0/8

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

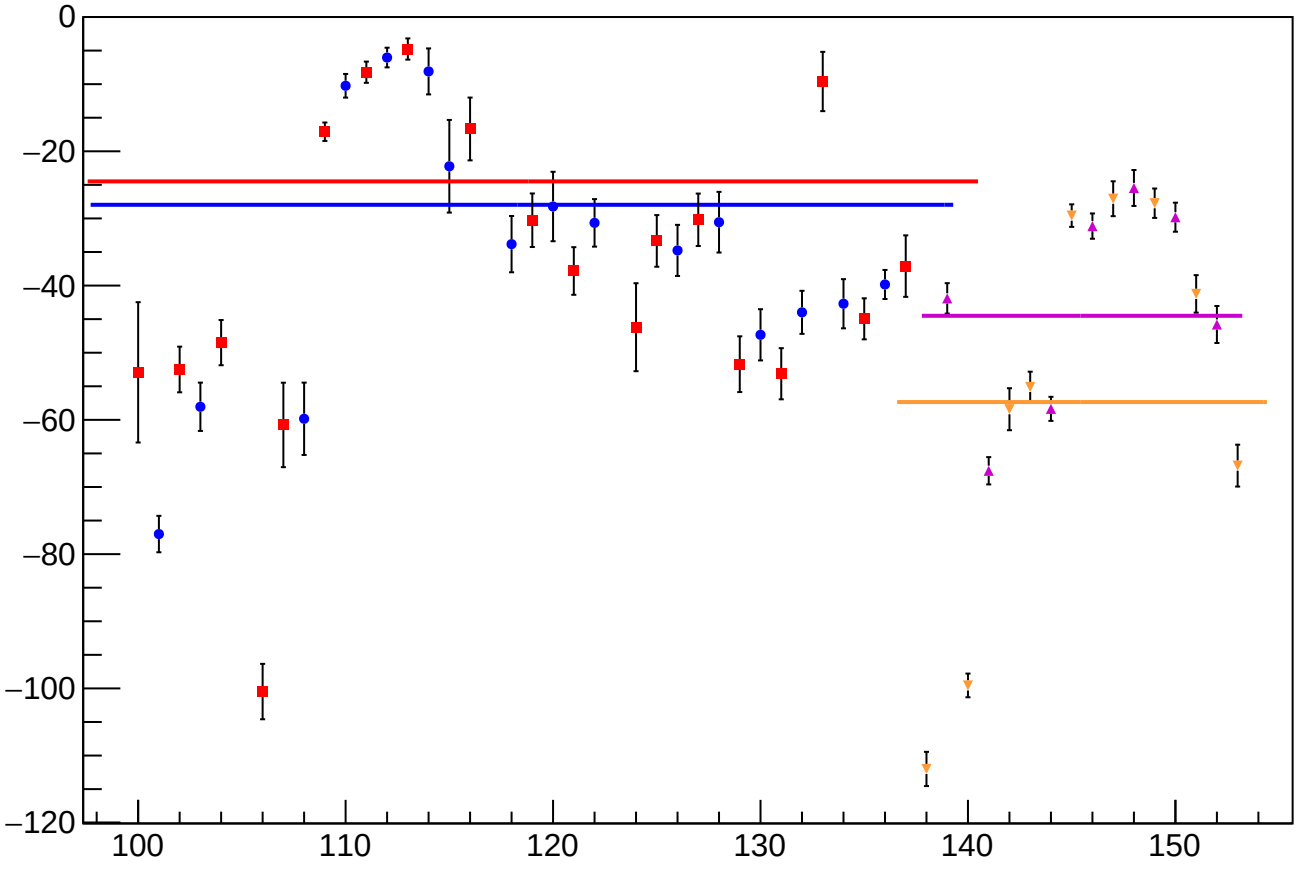
Left In: 0.219+/-0.015 χ^2/NDF:109.3/6

+ sign 0.184+/-0.013 χ^2/NDF: 777.3/24

All: 0.140+/-0.009 χ^2/NDF: 1857.8/50

- sign 0.094+/-0.013 χ^2/NDF: 1057.4/25

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -57.348+/-0.764 χ^2/NDF:1666.9/8

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

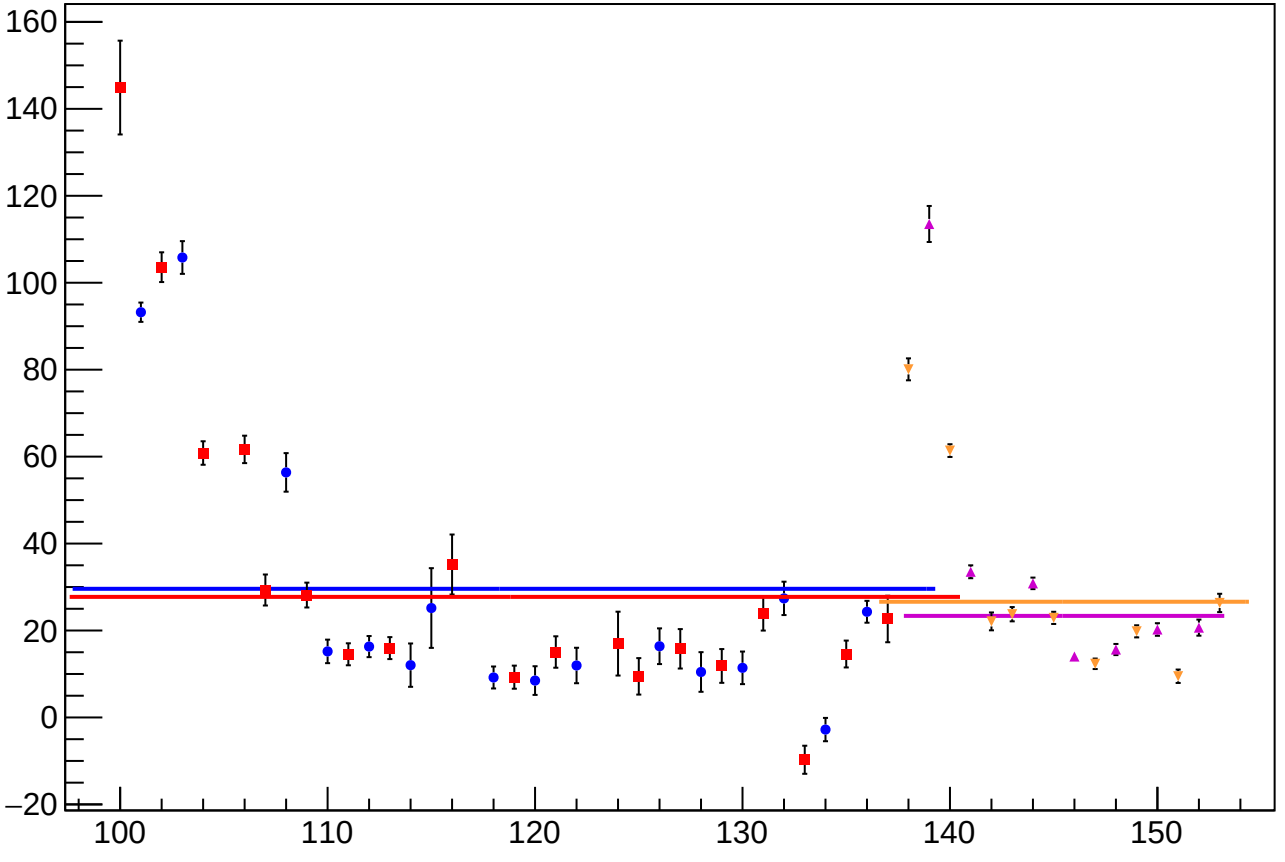
Left In: -44.501+/-0.812 χ^2/NDF:337.4/6

+ sign -41.939+/-0.527 χ^2/NDF: 3337.0/24

All: -37.091+/-0.368 χ^2/NDF: 5193.6/50

- sign -32.487+/-0.514 χ^2/NDF: 1691.6/25

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.618+/-0.528 χ^2/NDF:1311.7/8

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

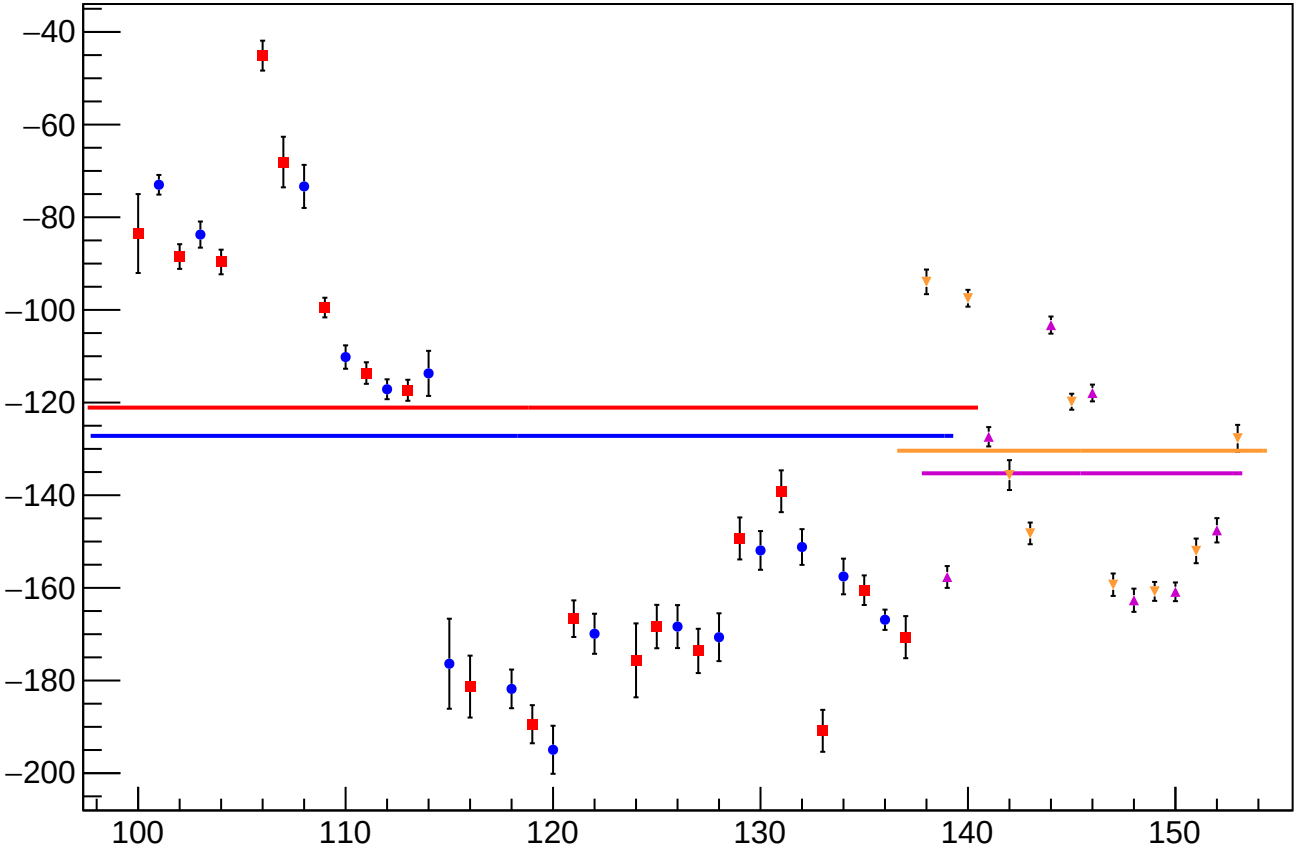
Left In: 23.365+/-0.557 χ^2/NDF:661.8/6

+ sign 27.511+/-0.442 χ^2/NDF: 2986.9/24

All: 26.200+/-0.318 χ^2/NDF: 4872.1/50

- sign 24.801+/-0.457 χ^2/NDF: 1867.1/25

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -130.395+/-0.760 χ^2/NDF:1044.6/8

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

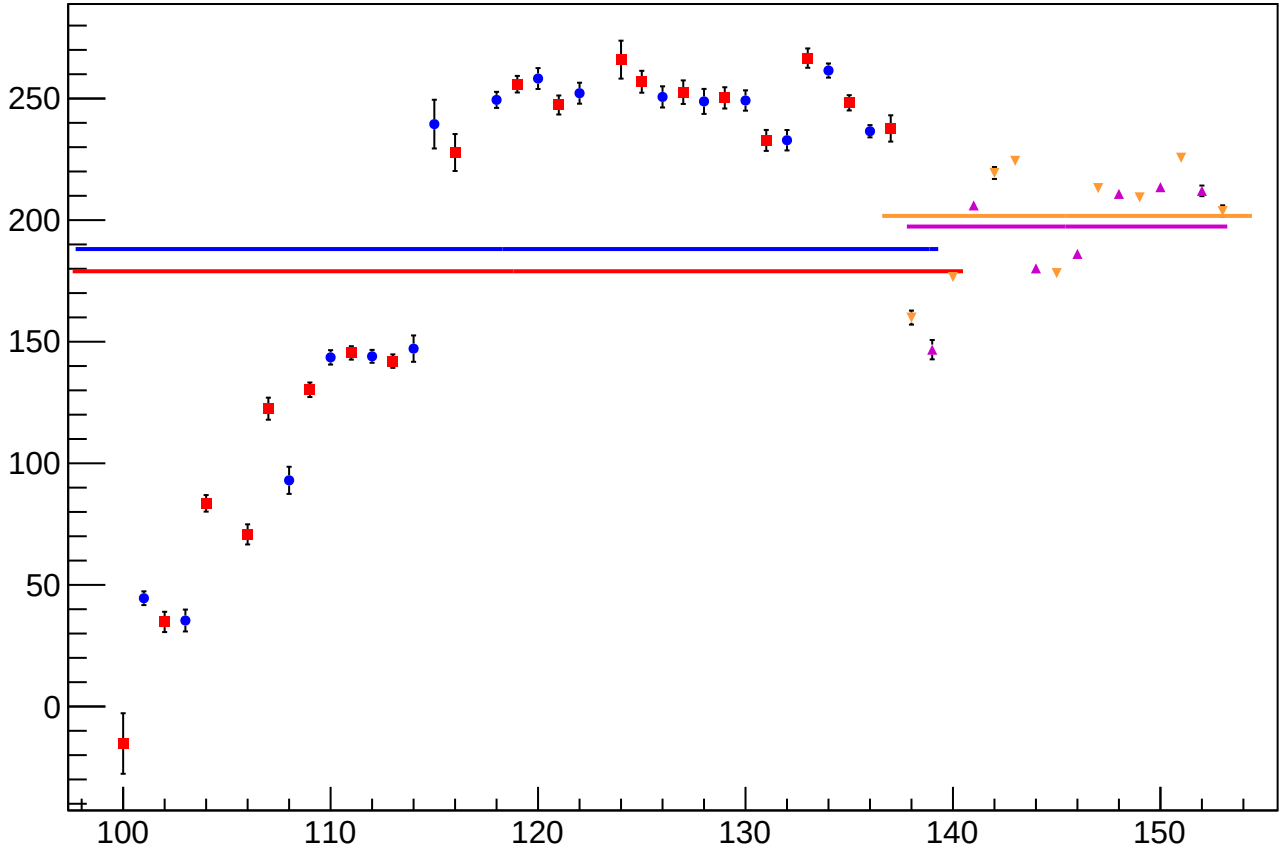
Left In: -135.270+/-0.801 χ^2/NDF:797.7/6

\+ sign -128.932+/-0.560 χ^2/NDF: 3230.9/24

All: -128.543+/-0.398 χ^2/NDF: 6584.3/50

\- sign -128.146+/-0.565 χ^2/NDF: 3352.4/25

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.735+/-0.643 χ^2/NDF:1034.1/8

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

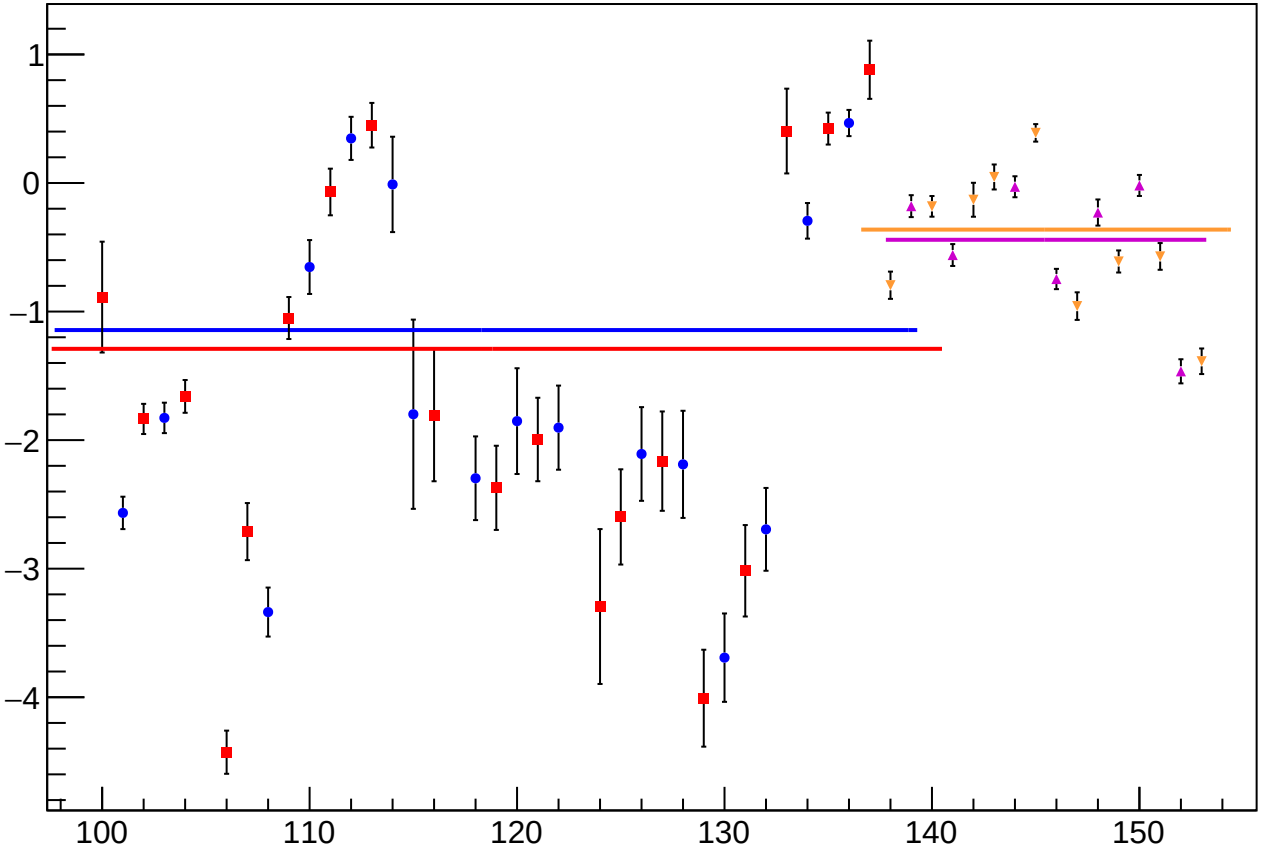
Left In: 197.362+/-0.677 χ^2/NDF:567.9/6

+ sign 197.252+/-0.527 χ^2/NDF: 8300.6/24

All: 194.119+/-0.378 χ^2/NDF: 15873.9/50

- sign 190.789+/-0.543 χ^2/NDF: 7500.3/25

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.362+/-0.031 χ^2/NDF:313.4/8

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

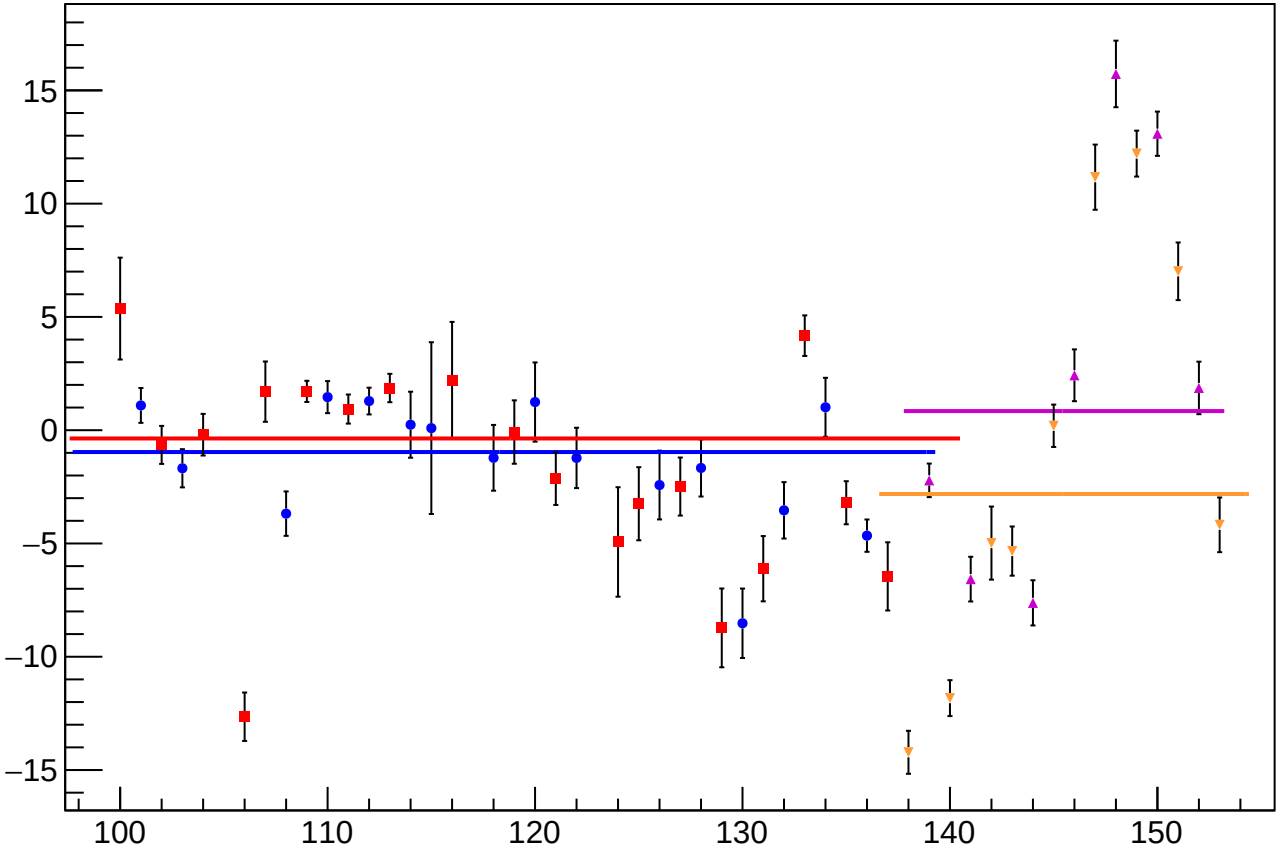
Left In: -0.442+/-0.033 χ^2/NDF:201.8/6

+ sign -0.593+/-0.026 χ^2/NDF: 1287.6/24

All: -0.651+/-0.019 χ^2/NDF: 2715.5/50

- sign -0.713+/-0.027 χ^2/NDF: 1417.5/25

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -2.816+/-0.357 χ^2/NDF:666.2/8

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

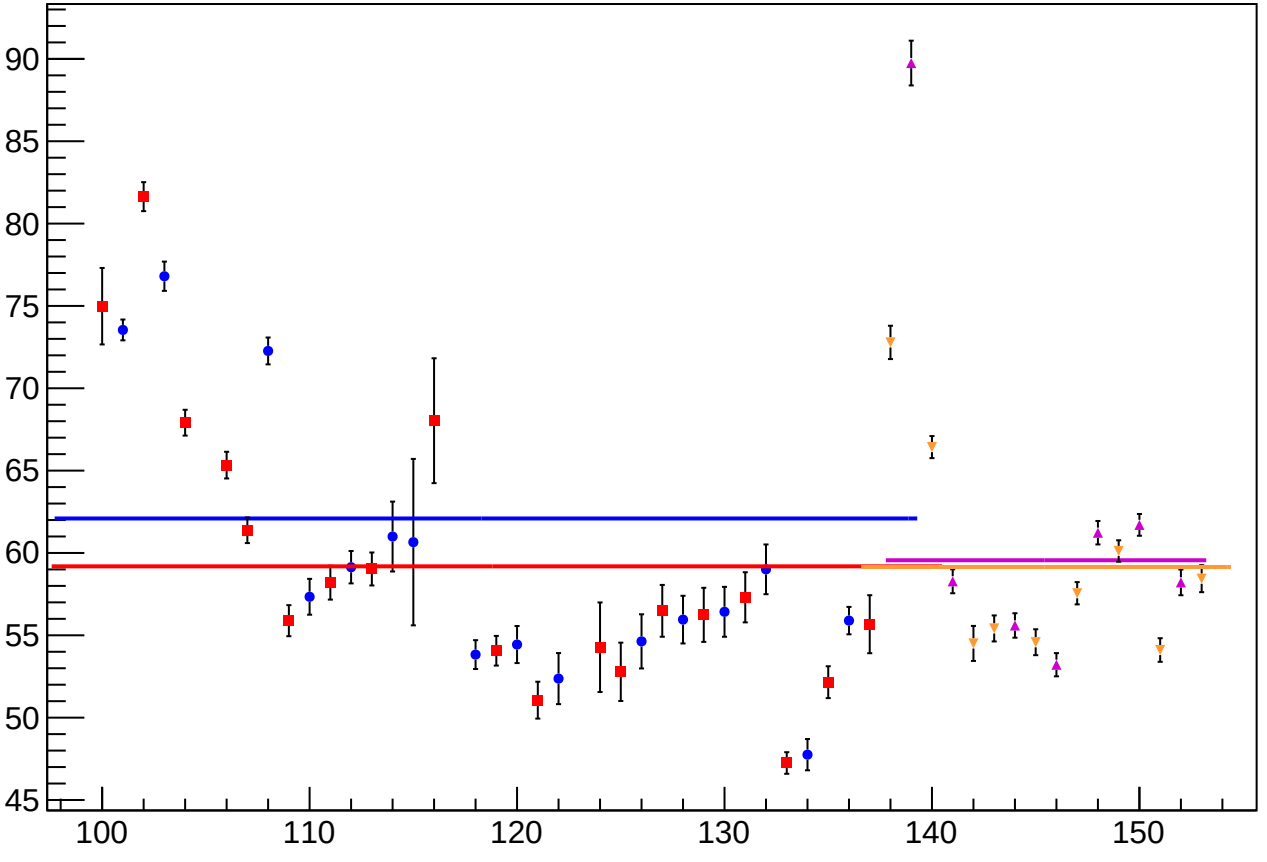
Left In: 0.845+/-0.381 χ^2/NDF:407.9/6

+ sign -1.583+/-0.207 χ^2/NDF: 787.3/24

All: -0.768+/-0.141 χ^2/NDF: 1512.5/50

- sign -0.055+/-0.193 χ^2/NDF: 696.0/25

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 59.149+/-0.256 χ^2/NDF:433.0/8

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

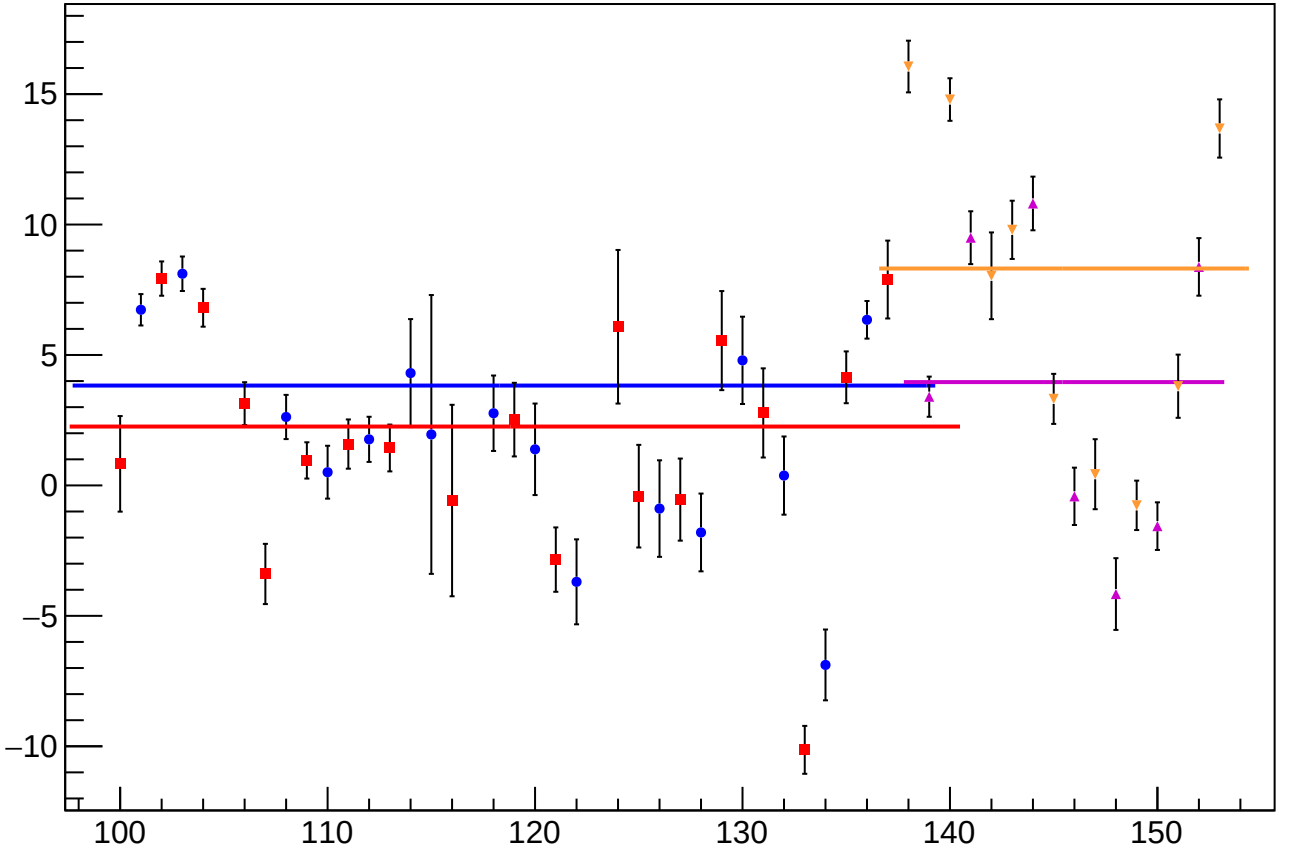
Left In: 59.557+/-0.287 χ^2/NDF:625.1/6

+ sign 60.566+/-0.184 χ^2/NDF: 1798.1/24

All: 59.960+/-0.131 χ^2/NDF: 3848.2/50

- sign 59.343+/-0.186 χ^2/NDF: 2028.2/25

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 8.315+/-0.355 χ^2/NDF:316.4/8

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

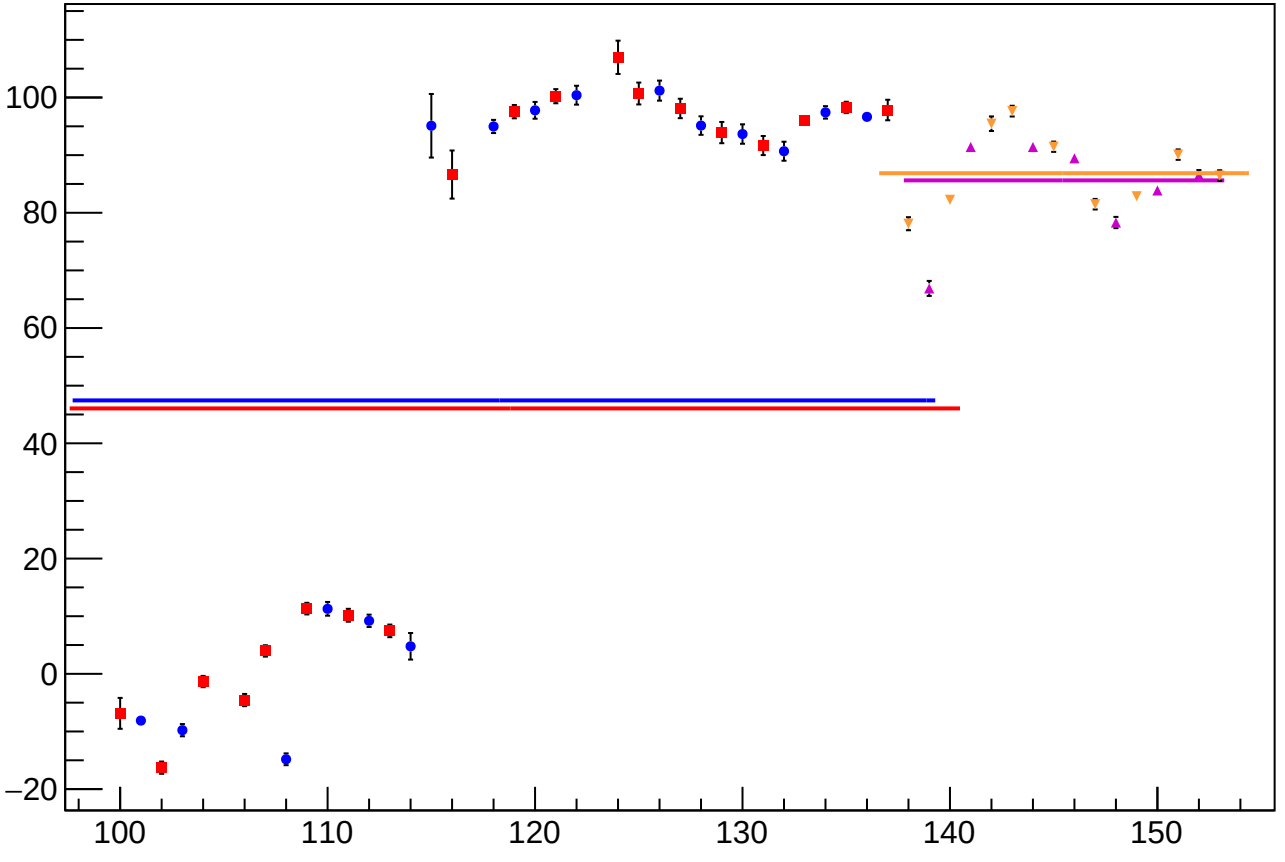
Left In: 3.961+/-0.378 χ^2/NDF:178.1/6

+ sign 5.434+/-0.213 χ^2/NDF: 627.4/24

All: 4.061+/-0.148 χ^2/NDF: 1272.9/50

- sign 2.764+/-0.207 χ^2/NDF: 564.3/25

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 86.863+/-0.308 χ^2/NDF:372.6/8

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

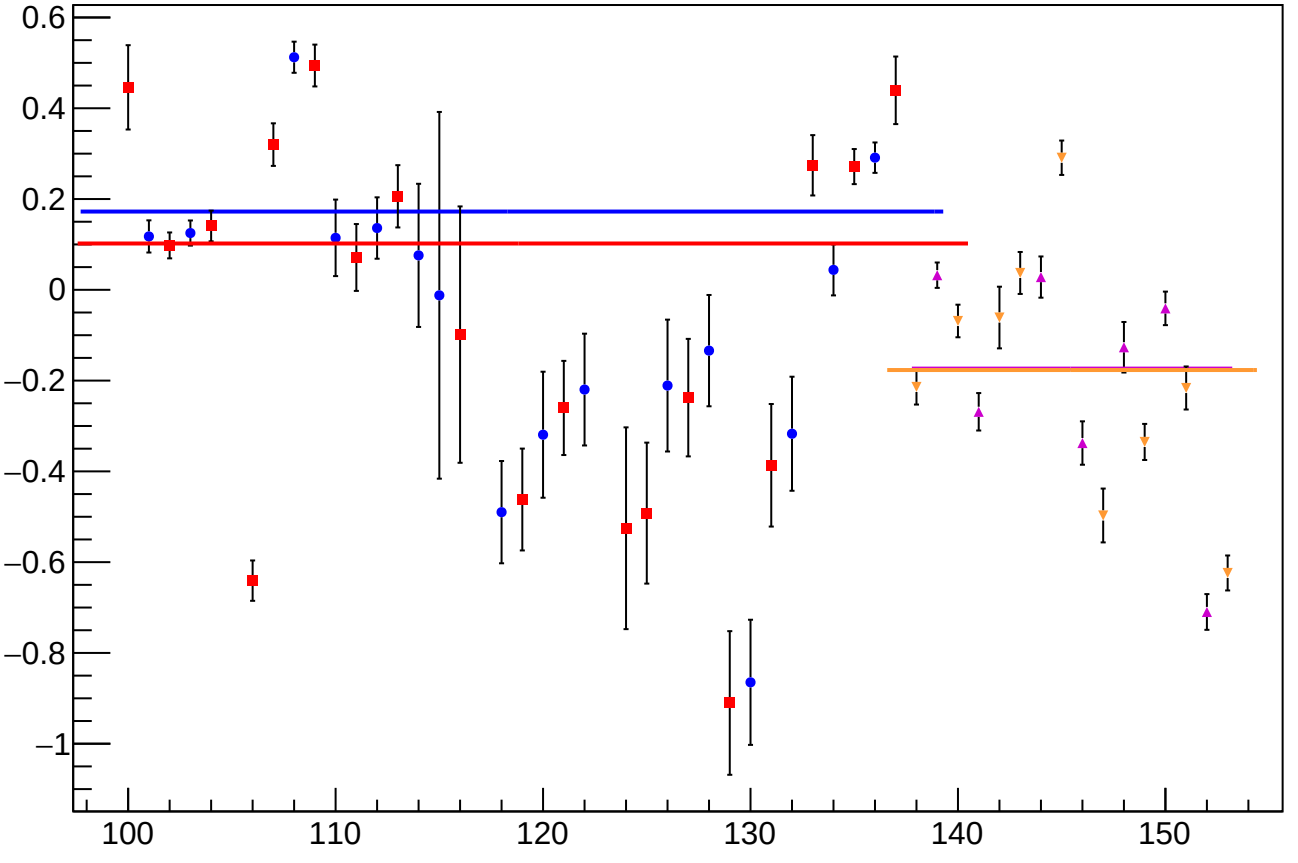
Left In: 85.621+/-0.342 χ^2/NDF:377.8/6

+ sign 67.184+/-0.218 χ^2/NDF: 35459.5/24

All: 64.724+/-0.154 χ^2/NDF: 72909.5/50

- sign 62.242+/-0.219 χ^2/NDF: 37193.4/25

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.177+/-0.014 χ^2/NDF:367.3/8

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

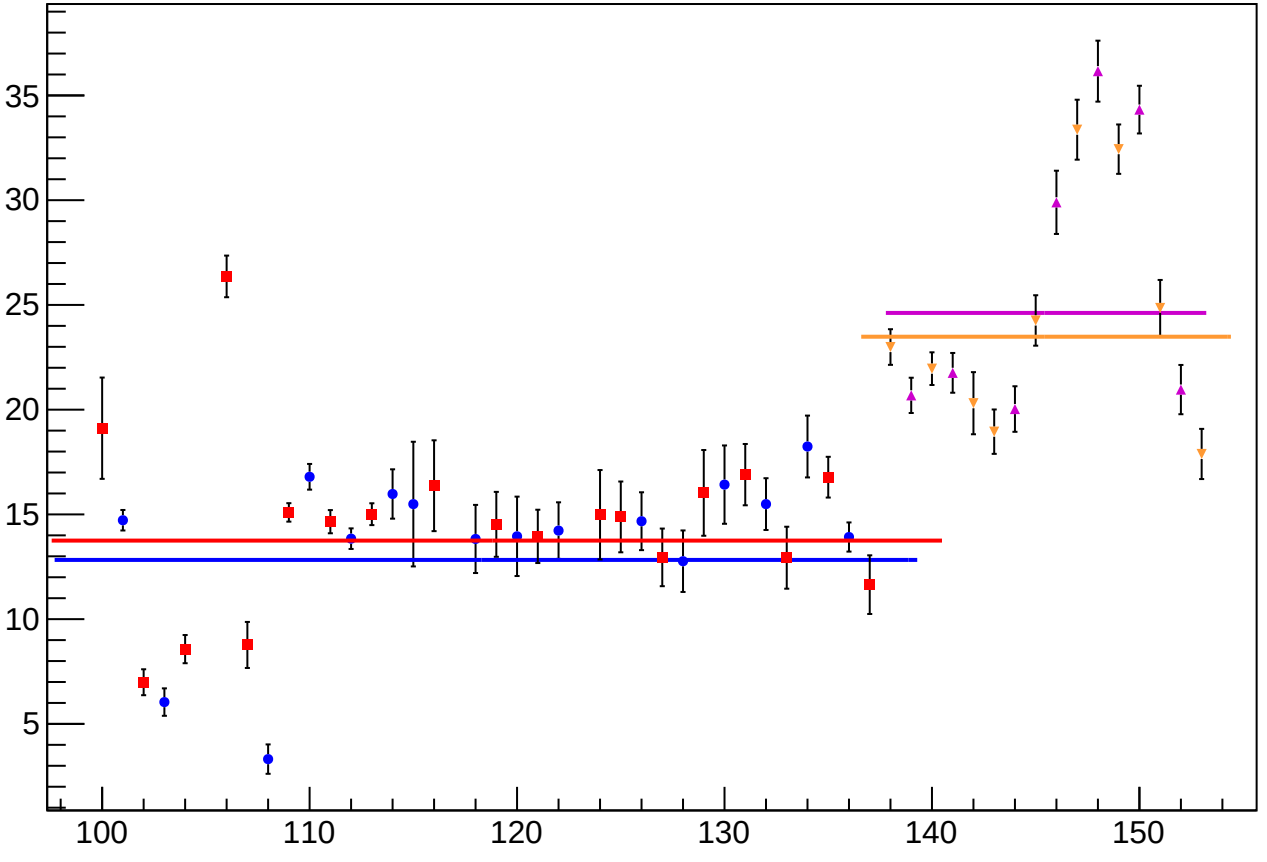
Left In: -0.174+/-0.015 χ^2/NDF:290.2/6

+ sign 0.000+/-0.010 χ^2/NDF: 932.5/24

All: -0.011+/-0.007 χ^2/NDF: 1972.0/50

- sign -0.022+/-0.010 χ^2/NDF: 1037.1/25

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 23.483+/-0.364 χ^2/NDF:155.8/8

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

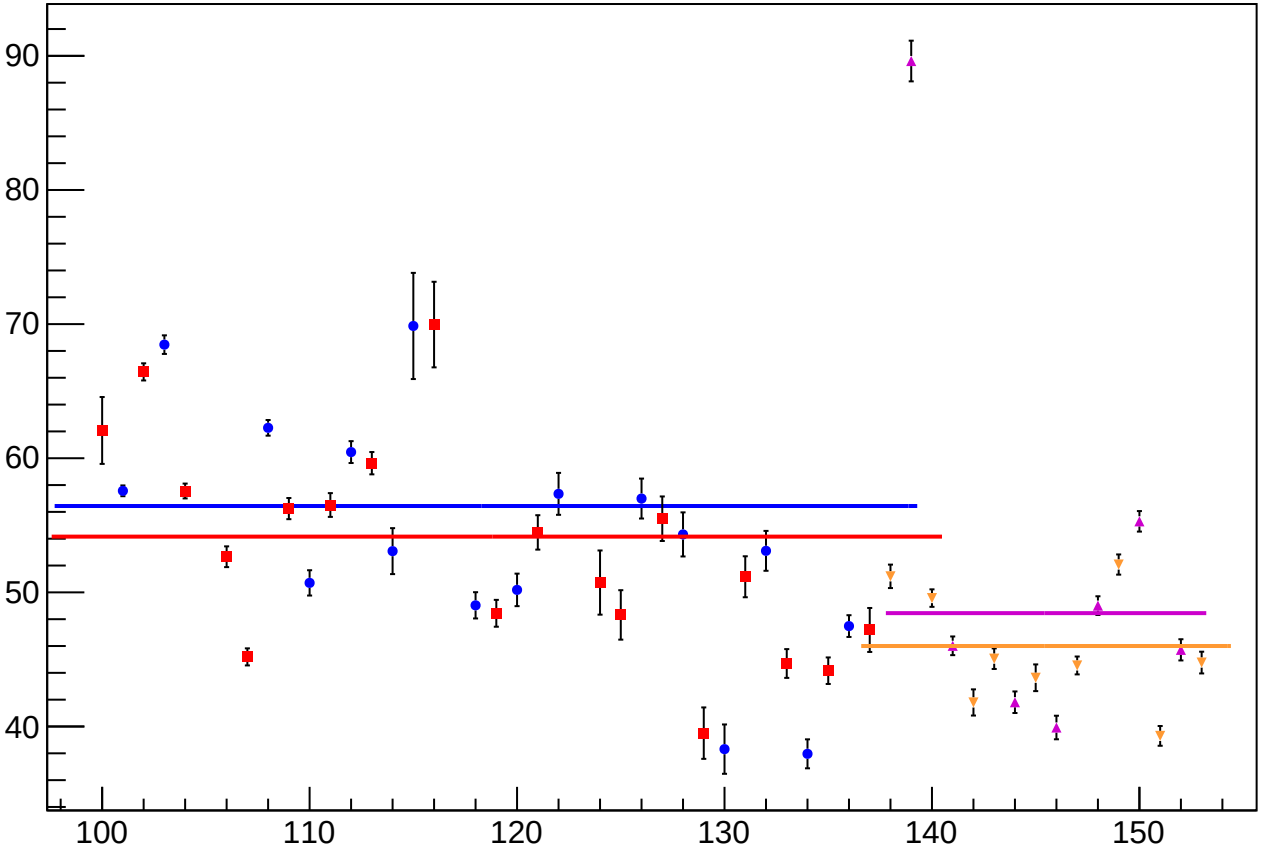
Left In: 24.618+/-0.416 χ^2/NDF:206.2/6

+ sign 15.560+/-0.185 χ^2/NDF: 1179.2/24

All: 15.710+/-0.130 χ^2/NDF: 2340.4/50

- sign 15.857+/-0.183 χ^2/NDF: 1159.8/25

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 46.000+/-0.260 χ^2/NDF:246.0/8

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

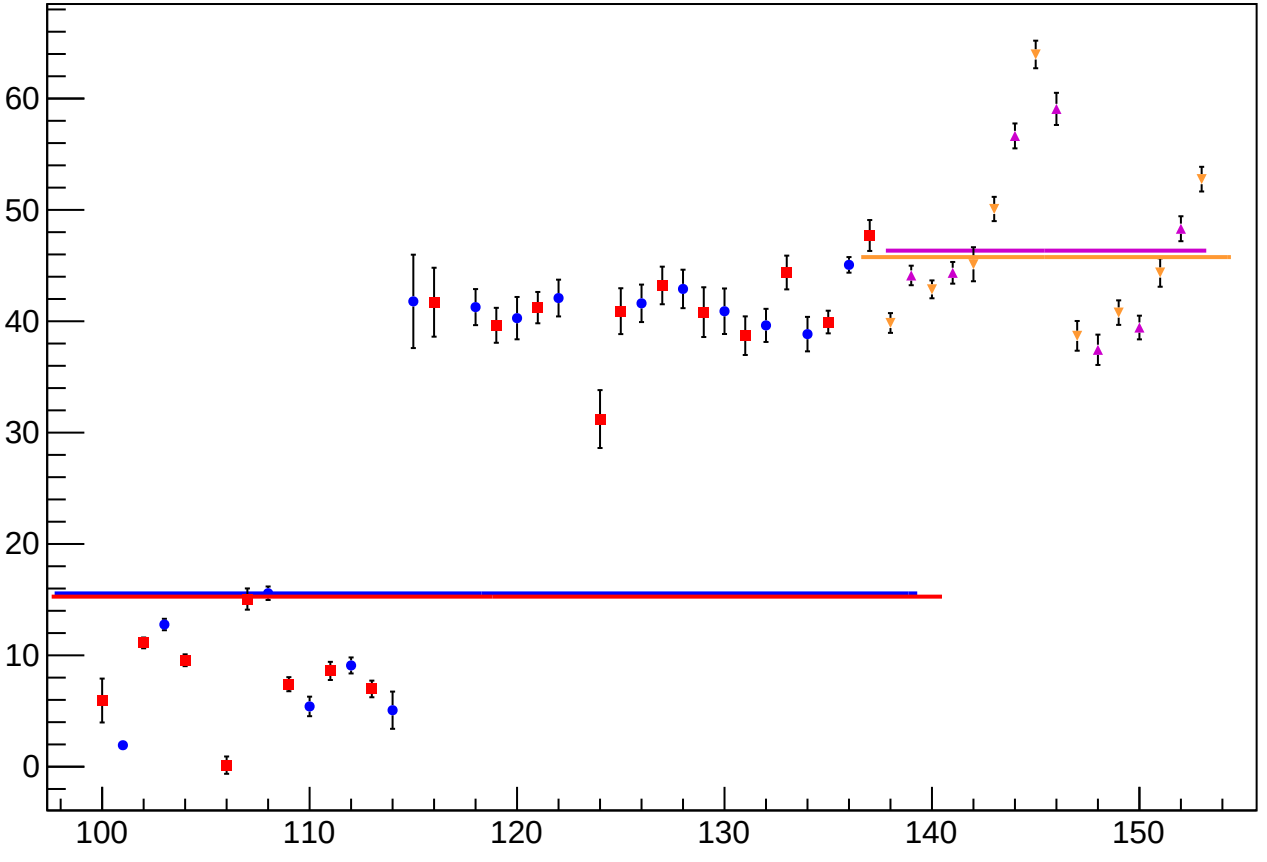
Left In: 48.452+/-0.306 χ^2/NDF:1003.5/6

+ sign 52.041+/-0.169 χ^2/NDF: 2266.9/24

All: 52.094+/-0.123 χ^2/NDF: 4503.6/50

- sign 52.156+/-0.181 χ^2/NDF: 2236.4/25

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 45.761+/-0.364 χ^2/NDF:378.9/8

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

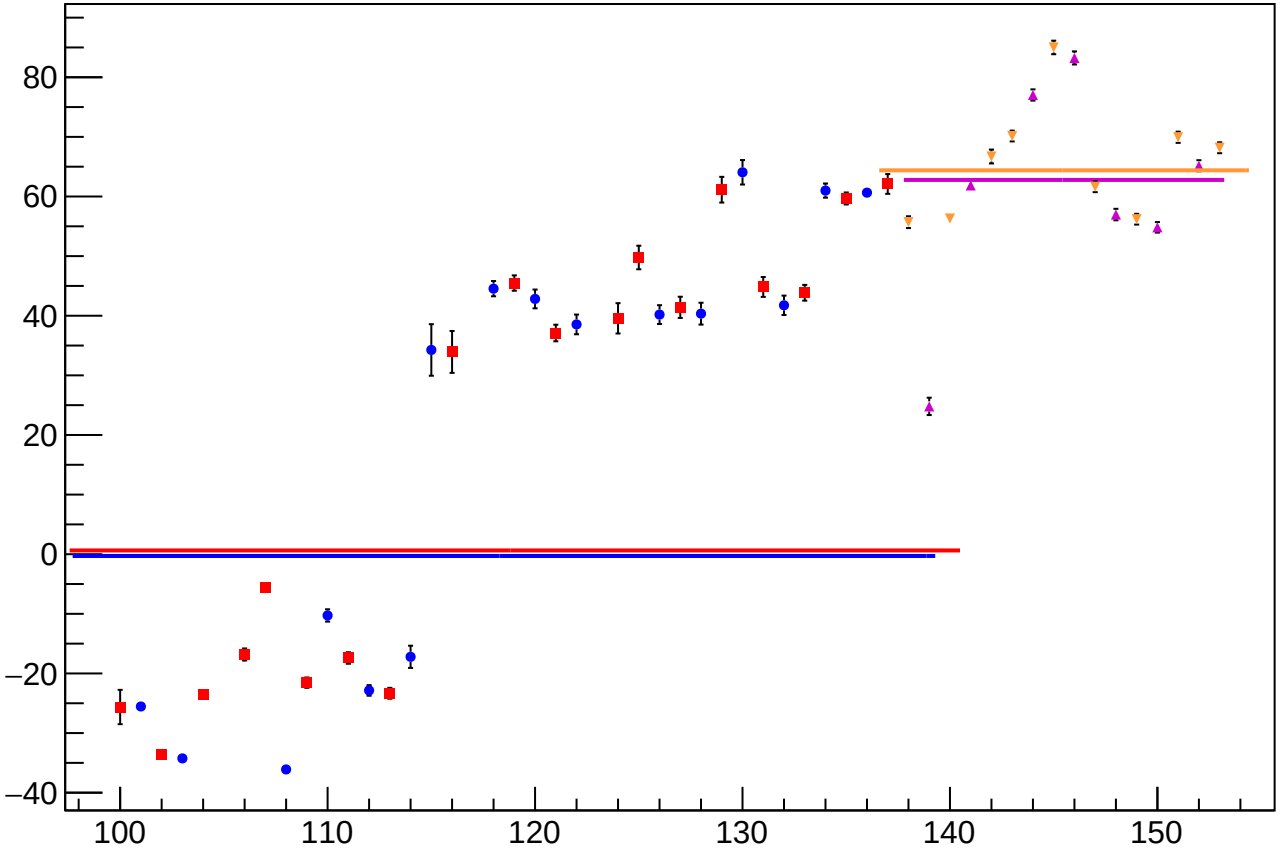
Left In: 46.342+/-0.413 χ^2/NDF:261.0/6

+ sign 23.328+/-0.184 χ^2/NDF: 10677.5/24

All: 22.738+/-0.134 χ^2/NDF: 19242.7/50

- sign 22.087+/-0.194 χ^2/NDF: 8543.7/25

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.391+/-0.314 χ^2/NDF:699.9/8

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

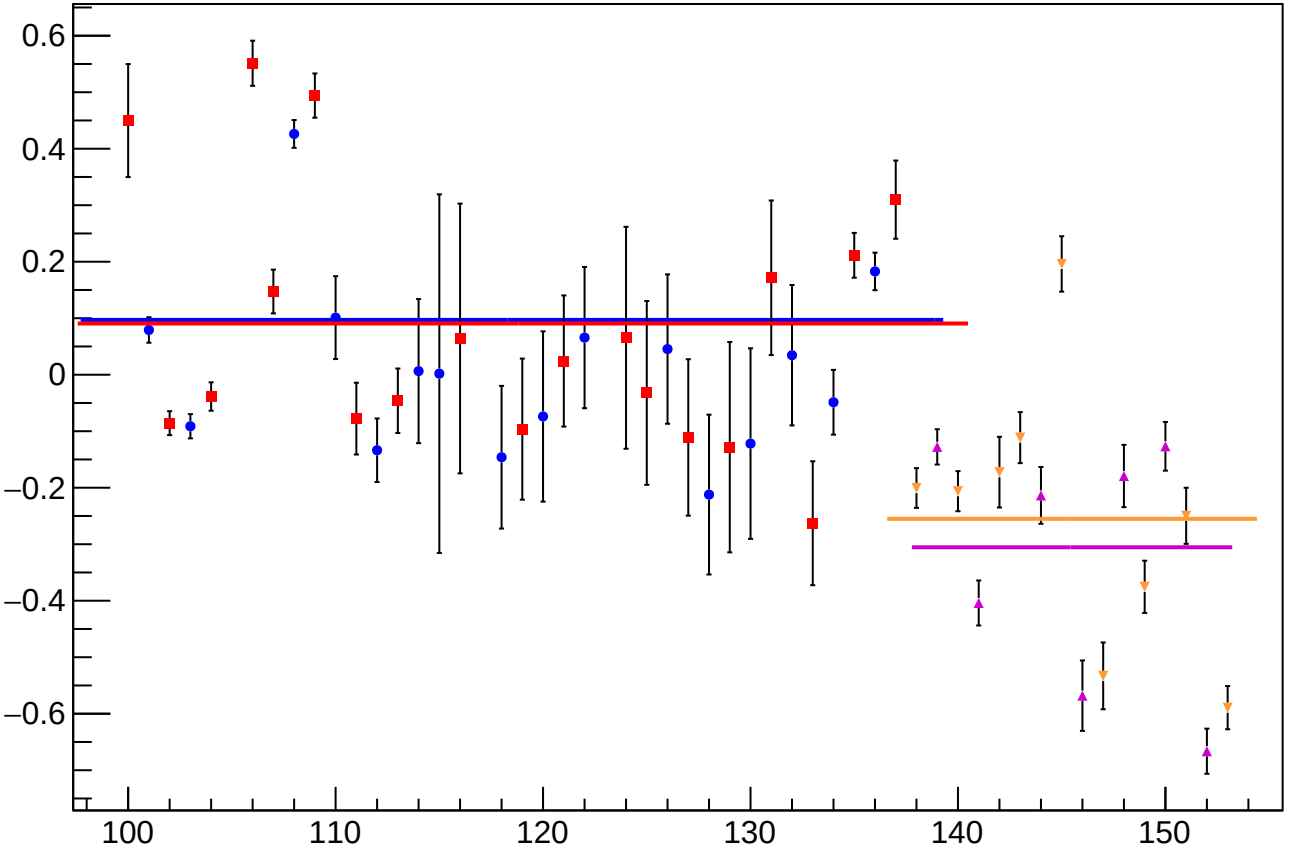
Left In: 62.780+/-0.368 χ^2/NDF:1381.7/6

+ sign 26.161+/-0.201 χ^2/NDF: 46777.4/24

All: 24.093+/-0.147 χ^2/NDF: 83293.8/50

- sign 21.744+/-0.214 χ^2/NDF: 36290.2/25

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.255+/-0.015 χ^2/NDF:206.3/8

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

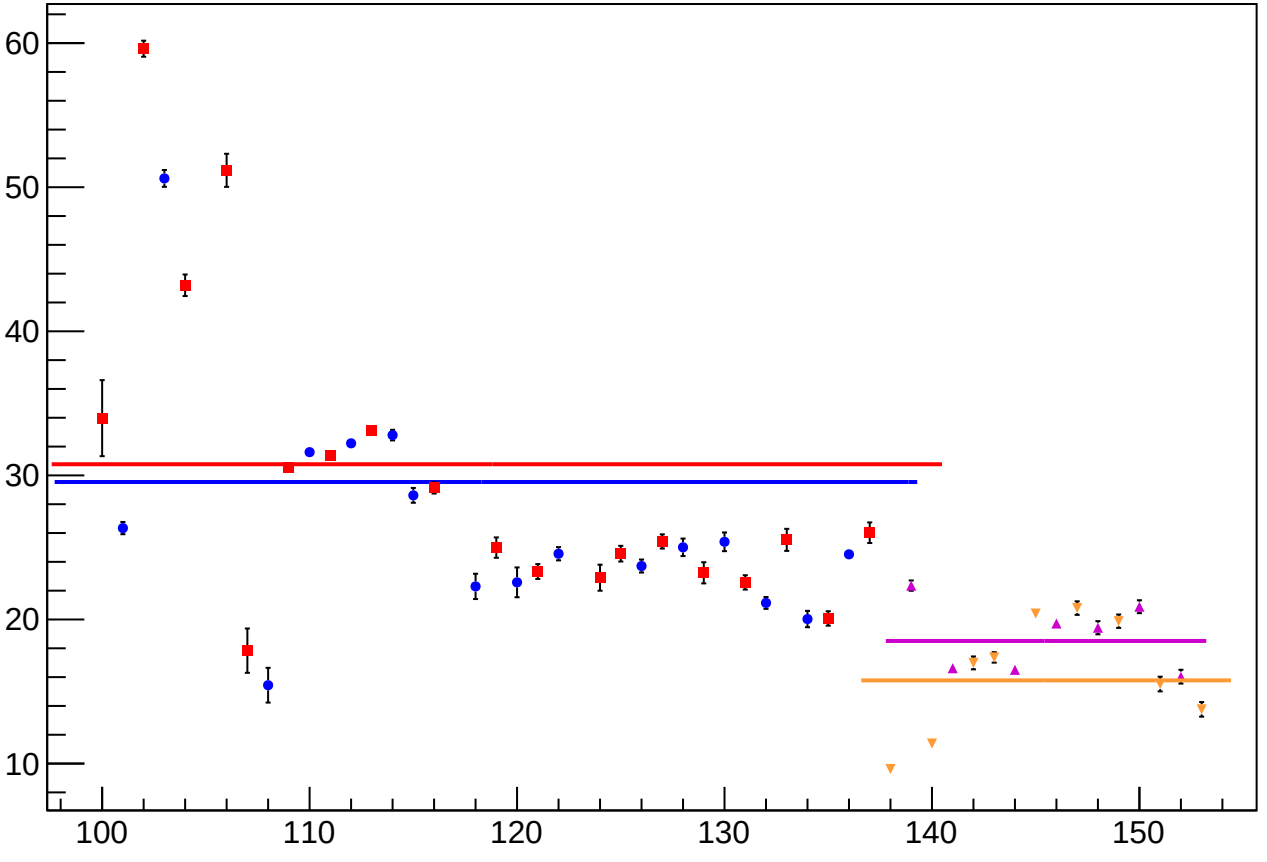
Left In: -0.305+/-0.016 χ^2/NDF:163.6/6

+ sign -0.032+/-0.009 χ^2/NDF: 866.9/24

All: -0.036+/-0.006 χ^2/NDF: 1829.7/50

- sign -0.040+/-0.009 χ^2/NDF: 962.3/25

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.774+/-0.124 χ^2/NDF:1124.8/8

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

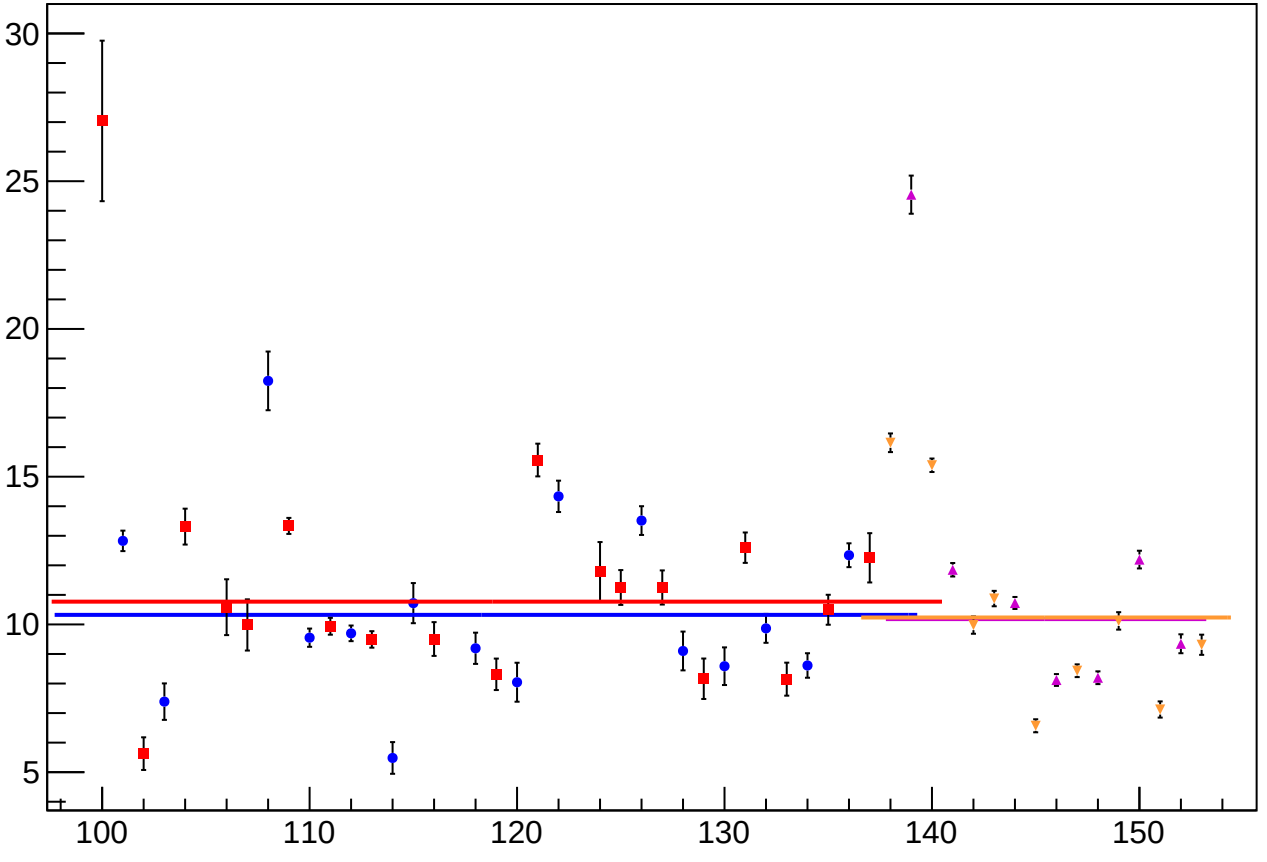
Left In: 18.510+/-0.137 χ^2/NDF:275.6/6

\+ sign 24.645+/-0.074 χ^2/NDF: 12470.0/24

All: 26.238+/-0.050 χ^2/NDF: 24690.4/50

\- sign 27.635+/-0.069 χ^2/NDF: 11346.3/25

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.235+/-0.087 χ^2/NDF:1348.6/8

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

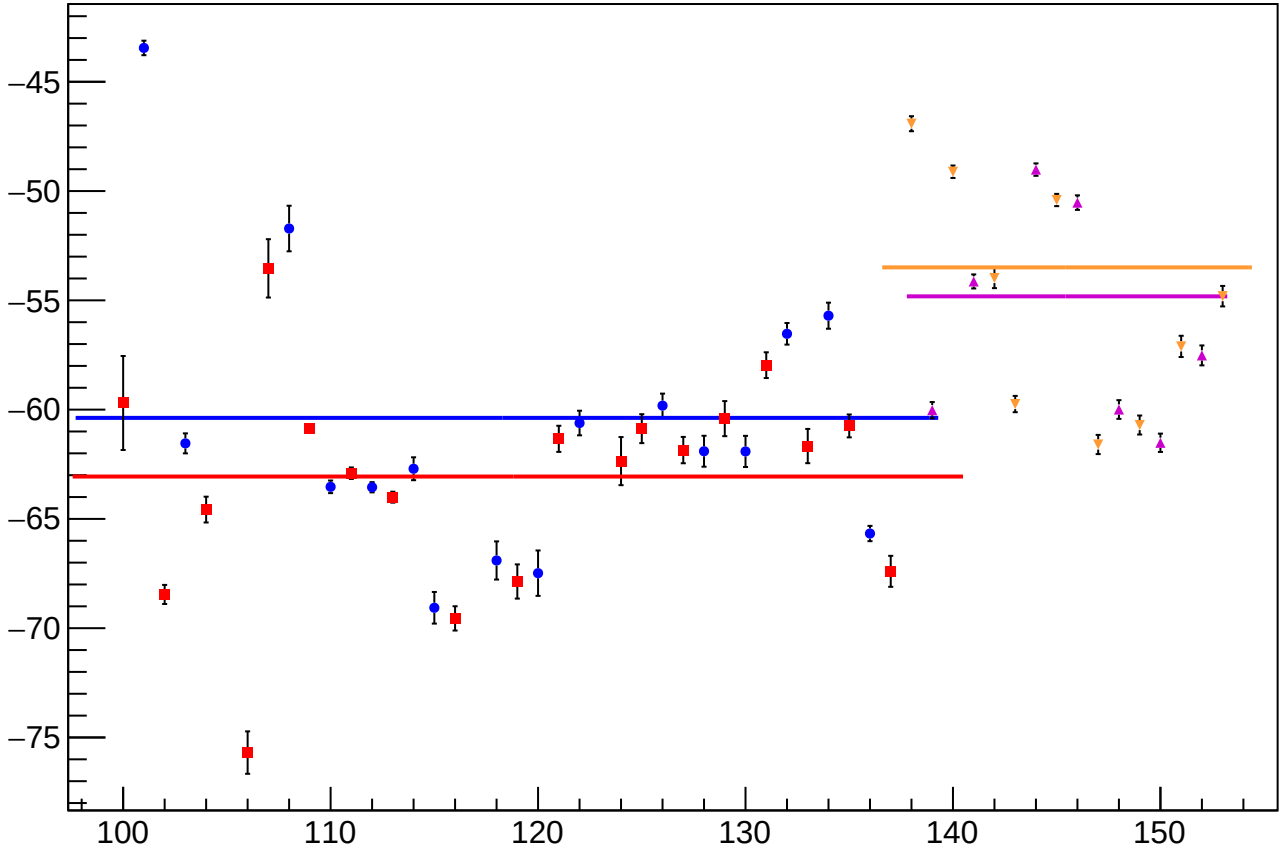
Left In: 10.181+/-0.094 χ^2/NDF:798.1/6

+ sign 10.268+/-0.069 χ^2/NDF: 1751.6/24

All: 10.342+/-0.050 χ^2/NDF: 2984.1/50

- sign 10.423+/-0.072 χ^2/NDF: 1230.1/25

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.491+/-0.124 χ^2/NDF:1684.0/8

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

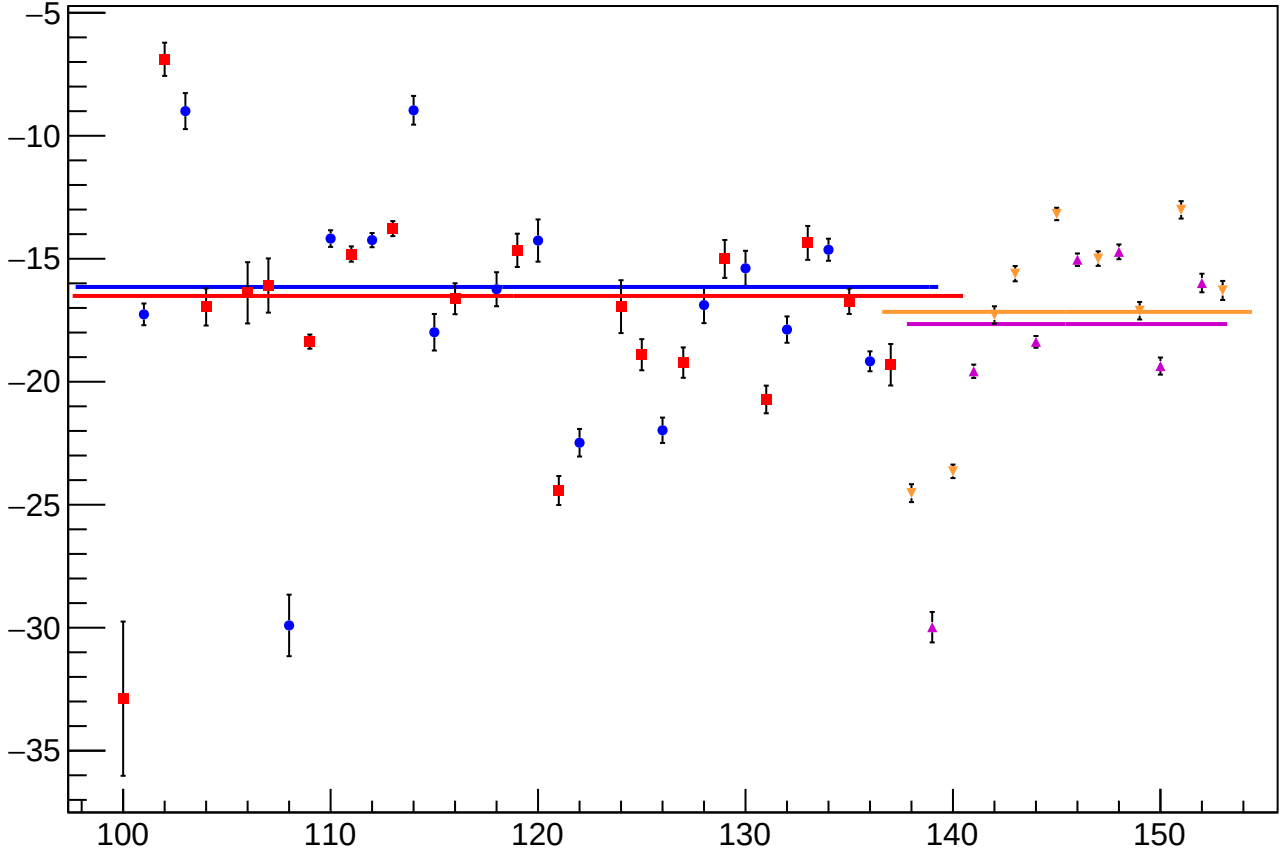
Left In: -54.817+/-0.136 χ^2/NDF:1218.3/6

+ sign -57.263+/-0.084 χ^2/NDF: 6960.6/24

All: -58.571+/-0.059 χ^2/NDF: 11783.8/50

- sign -59.896+/-0.084 χ^2/NDF: 4331.2/25

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.159+/-0.106 χ^2/NDF:1434.0/8

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

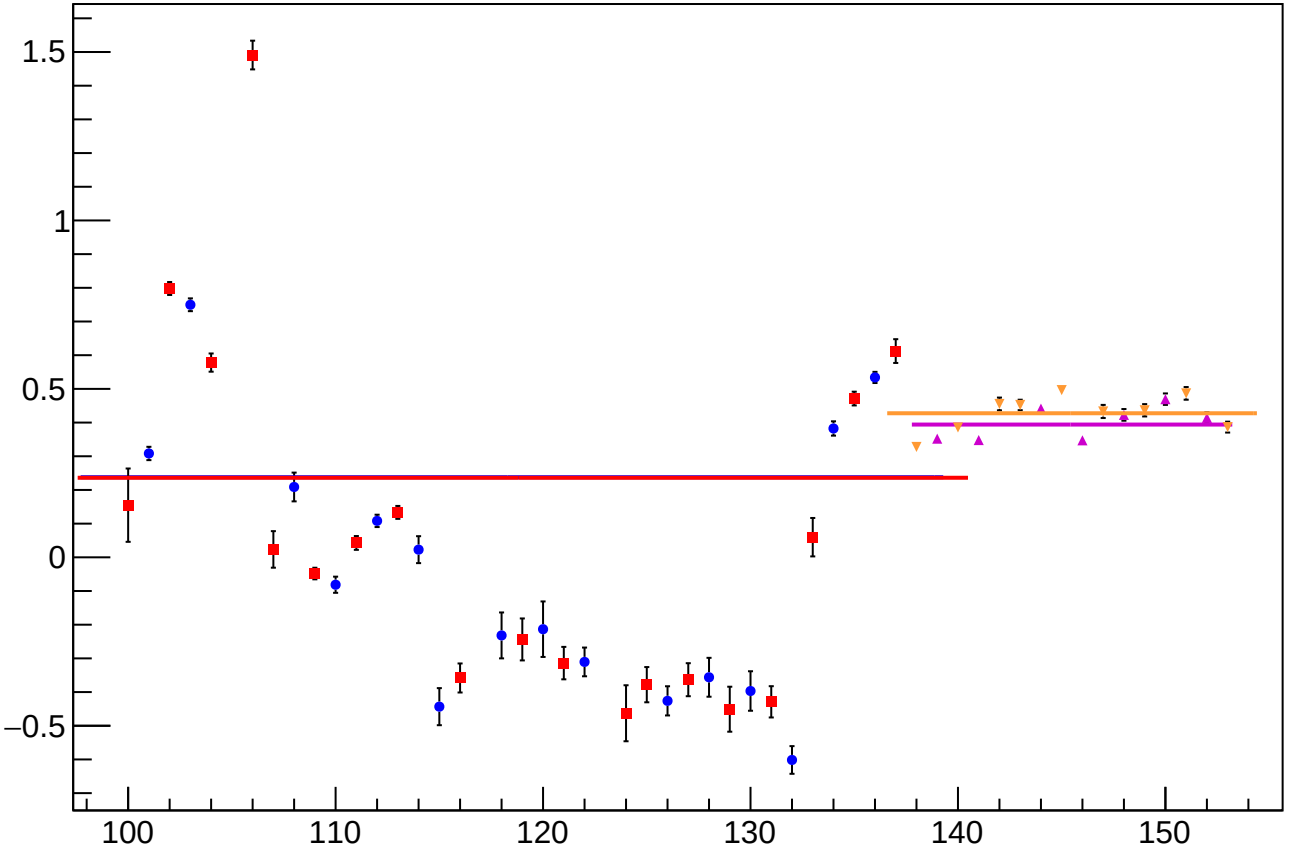
Left In: -17.655+/-0.115 χ^2/NDF:700.8/6

+ sign -16.744+/-0.081 χ^2/NDF: 2268.4/24

All: -16.929+/-0.059 χ^2/NDF: 3710.0/50

- sign -17.129+/-0.085 χ^2/NDF: 1430.8/25

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.428+/-0.005 χ^2/NDF:122.3/8

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

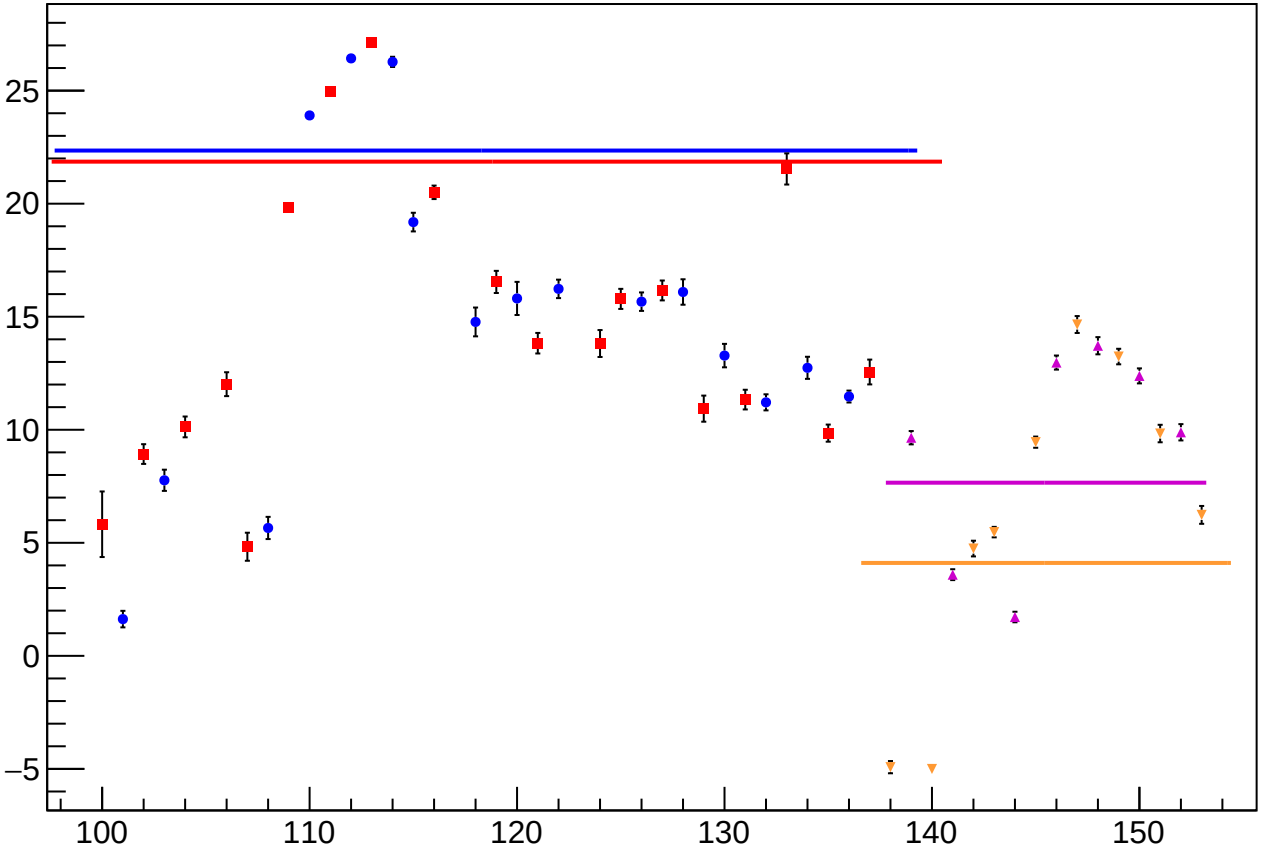
Left In: 0.394+/-0.006 χ^2/NDF:70.5/6

+ sign 0.363+/-0.004 χ^2/NDF: 3231.4/24

All: 0.350+/-0.003 χ^2/NDF: 7228.4/50

- sign 0.335+/-0.004 χ^2/NDF: 3975.1/25

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 4.110+/-0.097 χ^2/NDF:5174.6/8

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

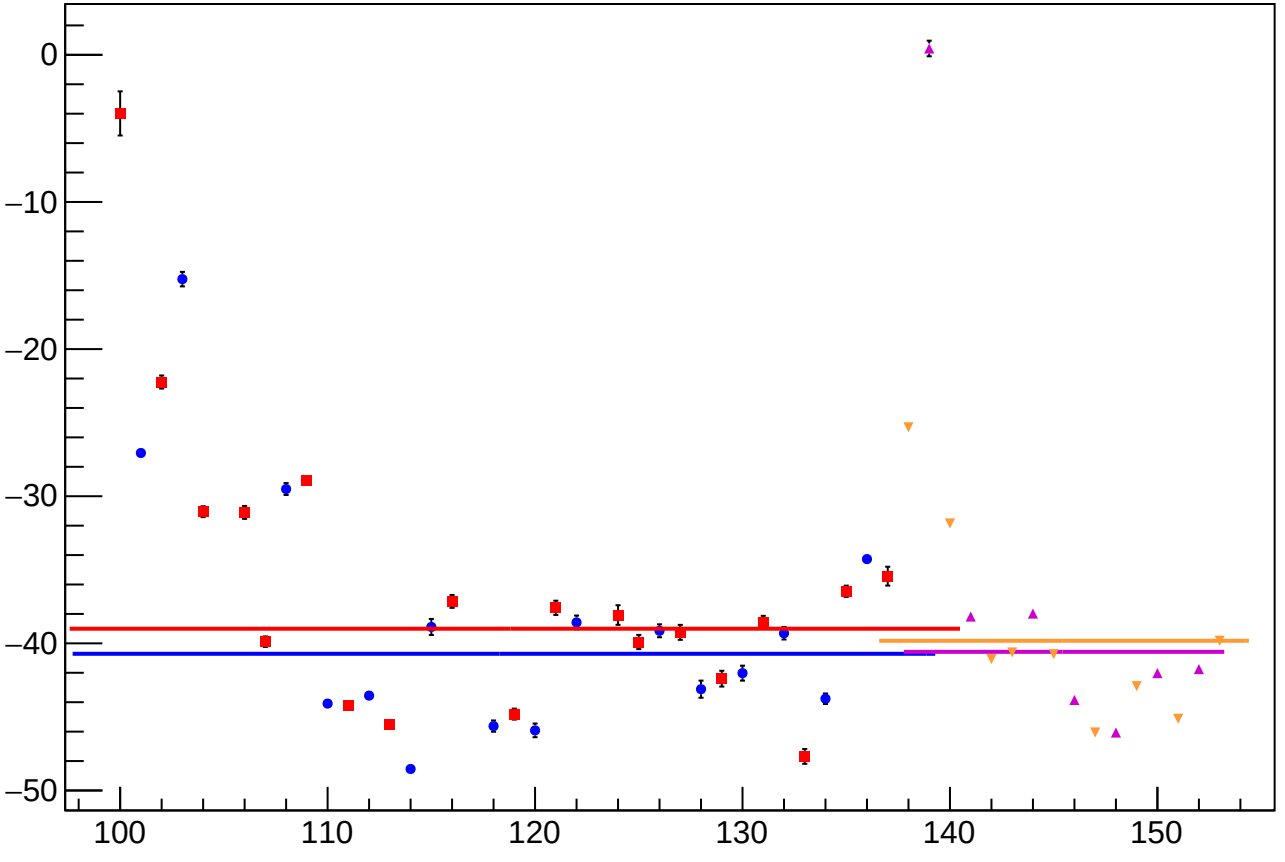
Left In: 7.659+/-0.111 χ^2/NDF:1766.0/6

+ sign 17.690+/-0.049 χ^2/NDF: 44088.8/24

All: 18.859+/-0.032 χ^2/NDF: 71502.0/50

- sign 19.756+/-0.043 χ^2/NDF: 26398.1/25

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.824+/-0.068 χ^2/NDF:7308.5/8

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

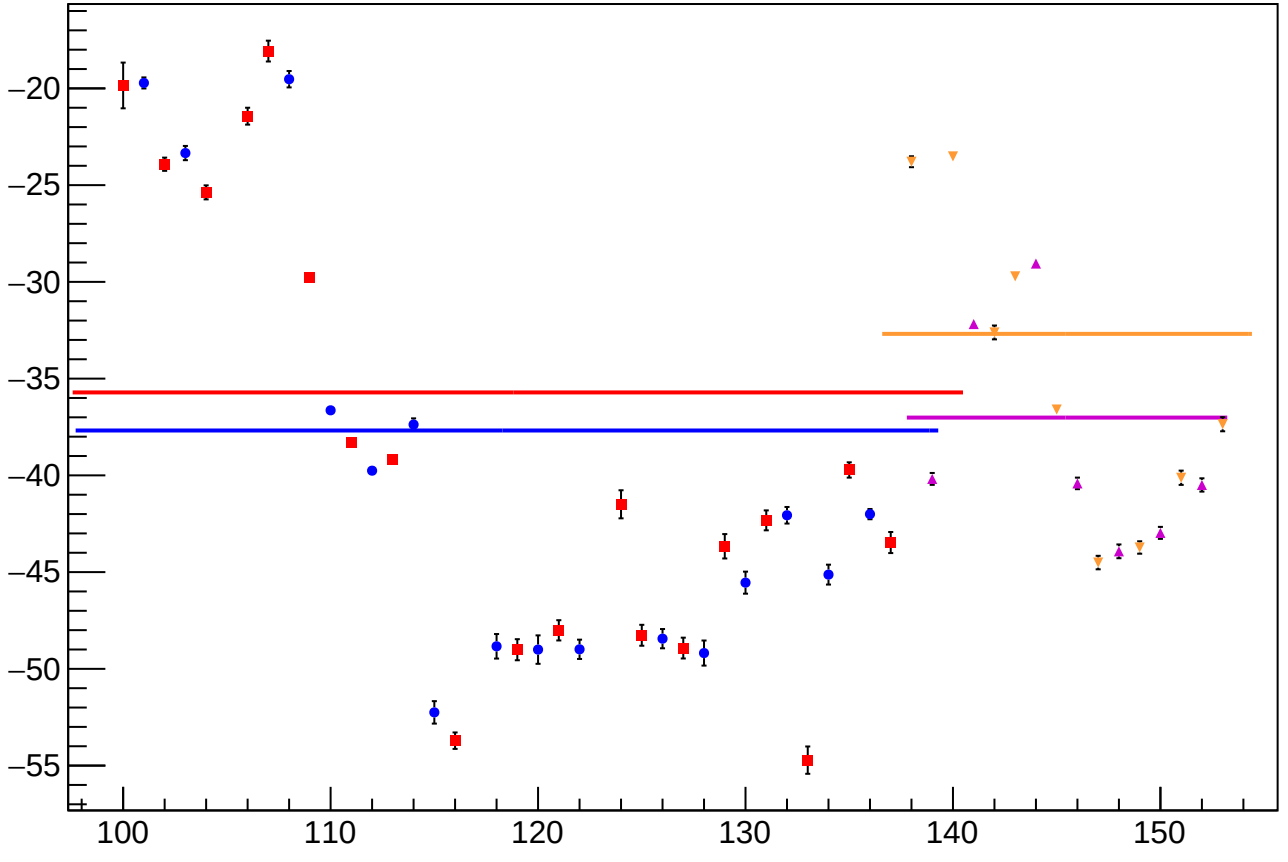
Left In: -40.576+/-0.077 χ^2/NDF:7676.3/6

+ sign -40.214+/-0.051 χ^2/NDF: 15163.7/24

All: -39.976+/-0.036 χ^2/NDF: 33210.2/50

- sign -39.723+/-0.052 χ^2/NDF: 18001.1/25

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -32.687+/-0.097 χ^2/NDF:6014.8/8

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

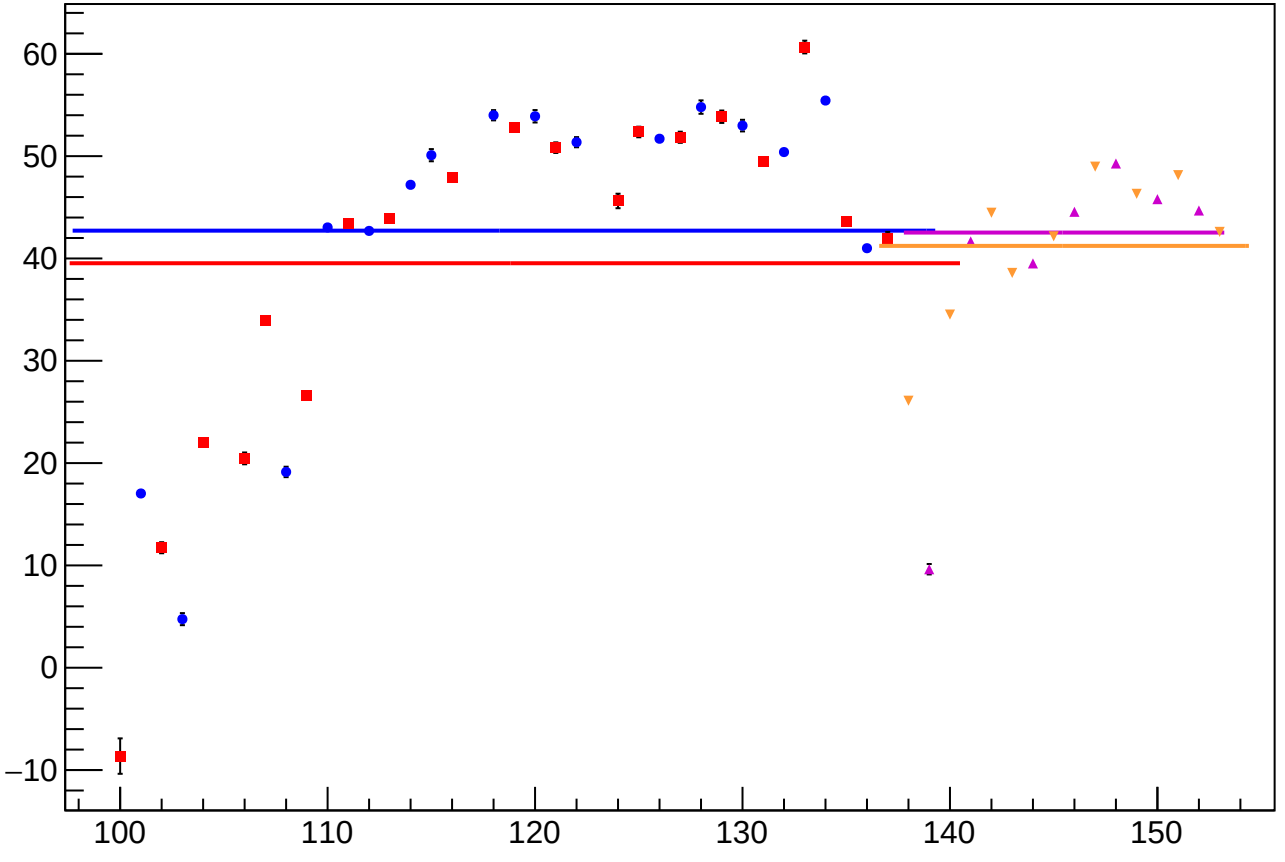
Left In: -37.014+/-0.110 χ^2/NDF:2566.2/6

+ sign -35.848+/-0.059 χ^2/NDF: 18551.2/24

All: -35.951+/-0.040 χ^2/NDF: 34501.5/50

- sign -36.044+/-0.056 χ^2/NDF: 15944.5/25

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.229+/-0.082 χ^2/NDF:5971.3/8

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

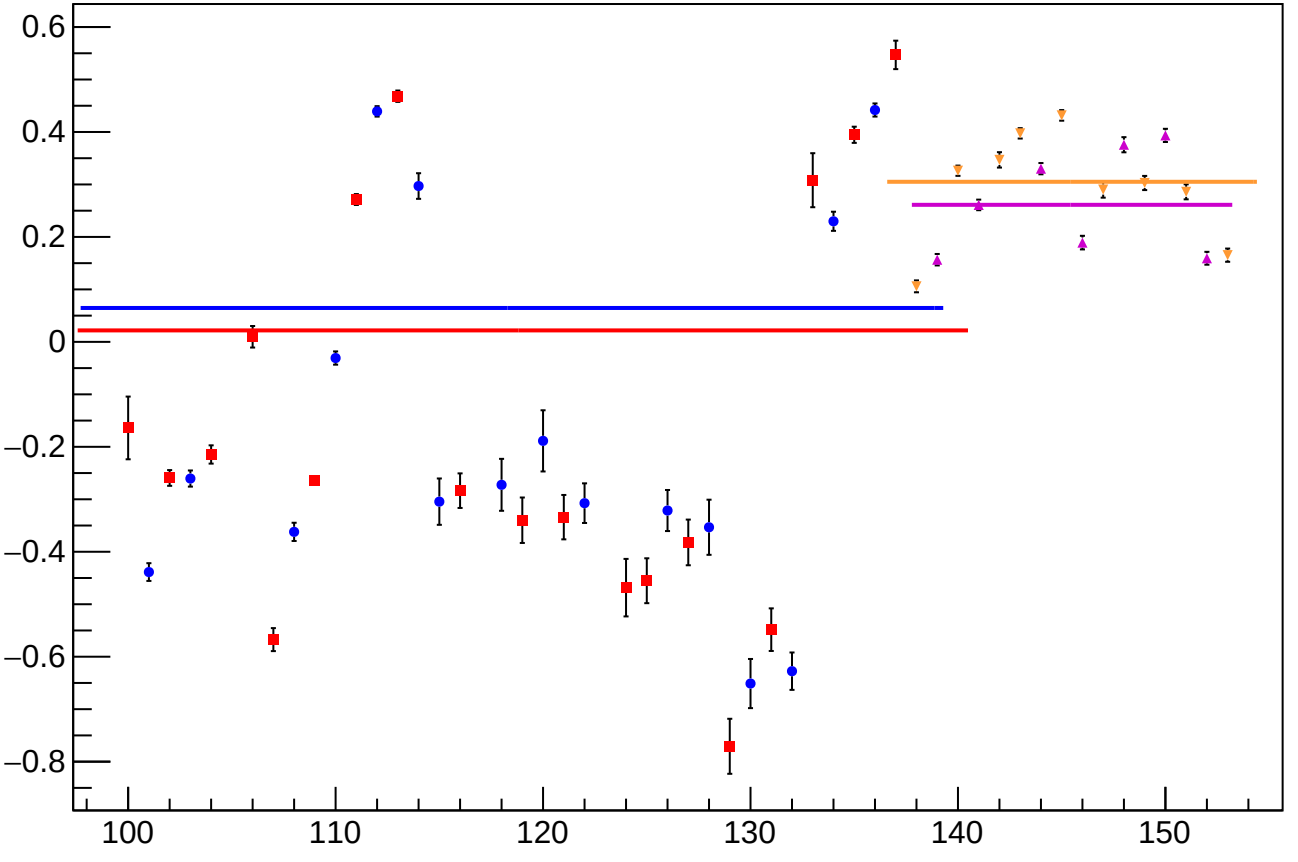
Left In: 42.531+/-0.094 χ^2/NDF:5438.4/6

\+ sign 41.950+/-0.059 χ^2/NDF: 20894.4/24

All: 41.364+/-0.042 χ^2/NDF: 45111.8/50

\- sign 40.760+/-0.060 χ^2/NDF: 24018.3/25

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.305+/-0.004 χ^2/NDF:688.8/8

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

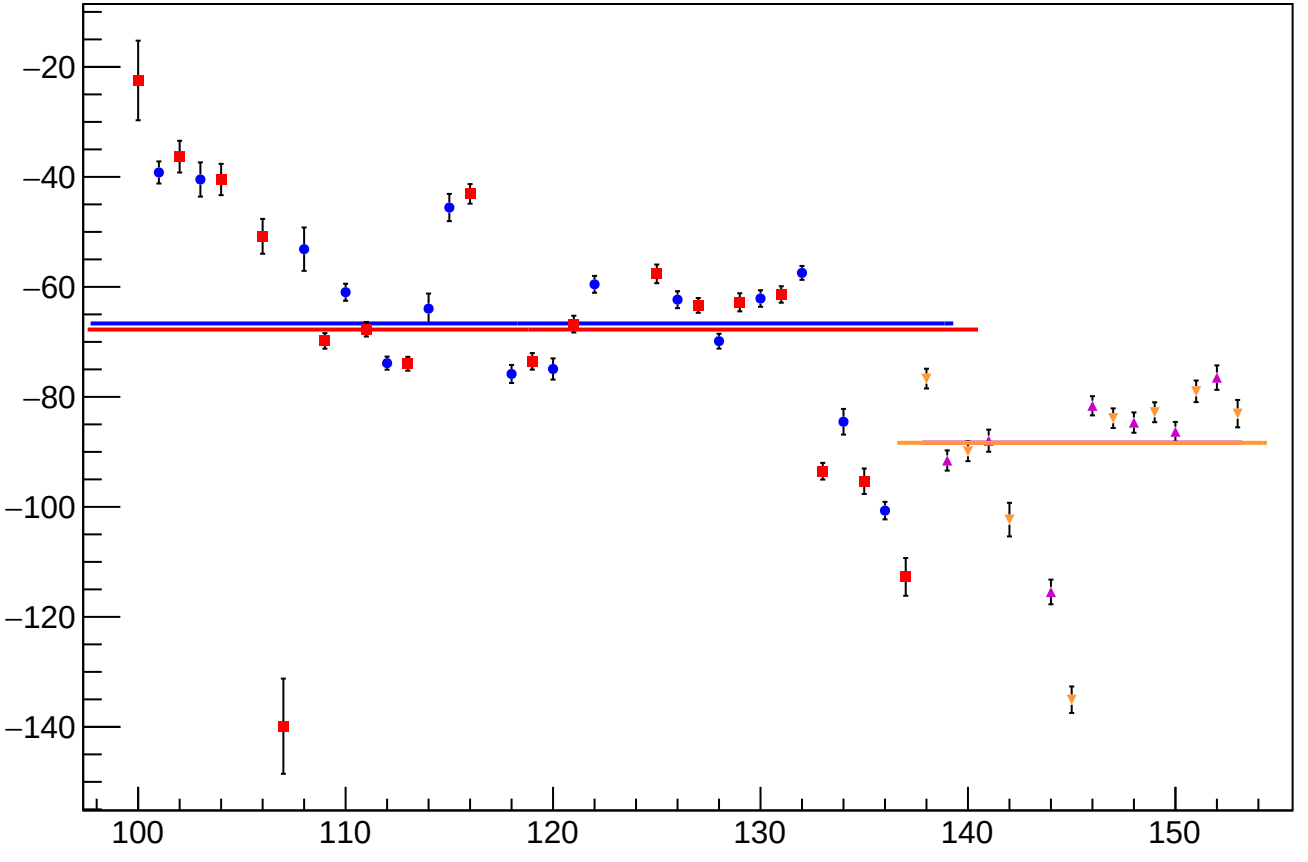
Left In: 0.261+/-0.004 χ^2/NDF:405.7/6

+ sign 0.209+/-0.003 χ^2/NDF: 7663.0/24

All: 0.175+/-0.002 χ^2/NDF: 16187.7/50

- sign 0.140+/-0.003 χ^2/NDF: 8278.3/25

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -88.350+/-0.718 χ^2/NDF:482.2/7

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

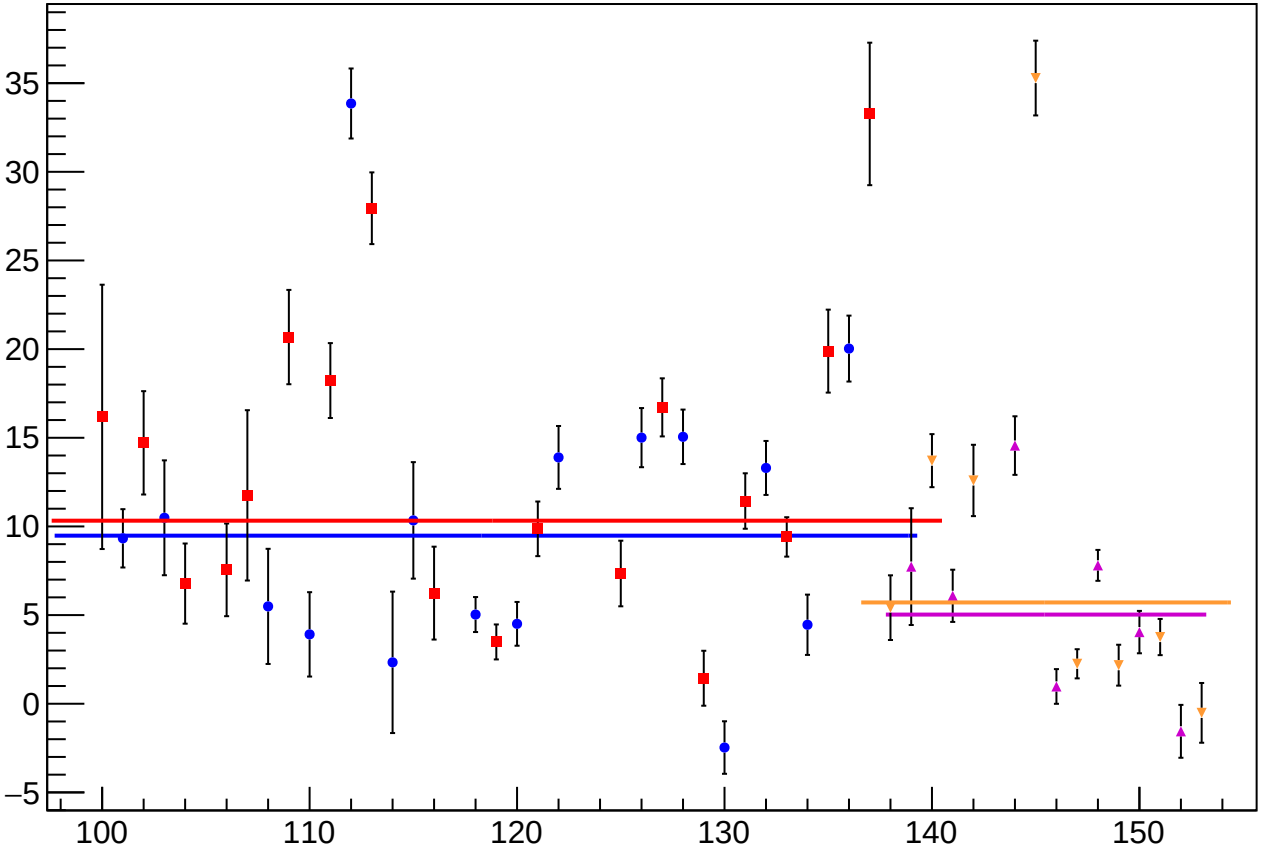
Left In: -88.312+/-0.729 χ^2/NDF:197.8/6

+ sign -72.295+/-0.367 χ^2/NDF: 2209.7/23

All: -72.582+/-0.258 χ^2/NDF: 4260.9/48

- sign -72.863+/-0.364 χ^2/NDF: 2050.0/24

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 5.713+/-0.458 χ^2/NDF:281.5/7

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

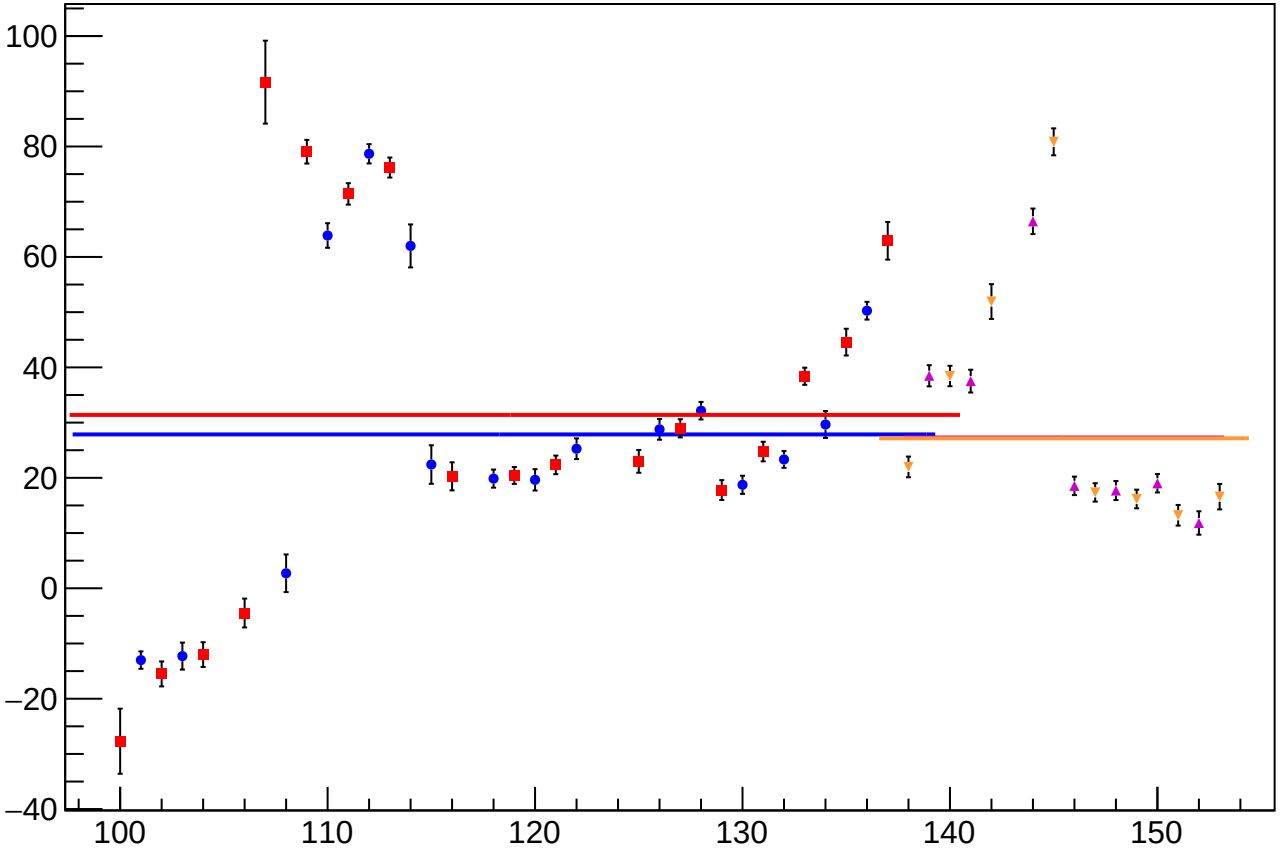
Left In: 5.029+/-0.475 χ^2/NDF:82.0/6

+ sign 7.724+/-0.313 χ^2/NDF: 659.5/23

All: 7.813+/-0.224 χ^2/NDF: 1072.6/48

- sign 7.906+/-0.321 χ^2/NDF: 412.9/24

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 27.153+/-0.702 χ^2/NDF:744.0/7

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

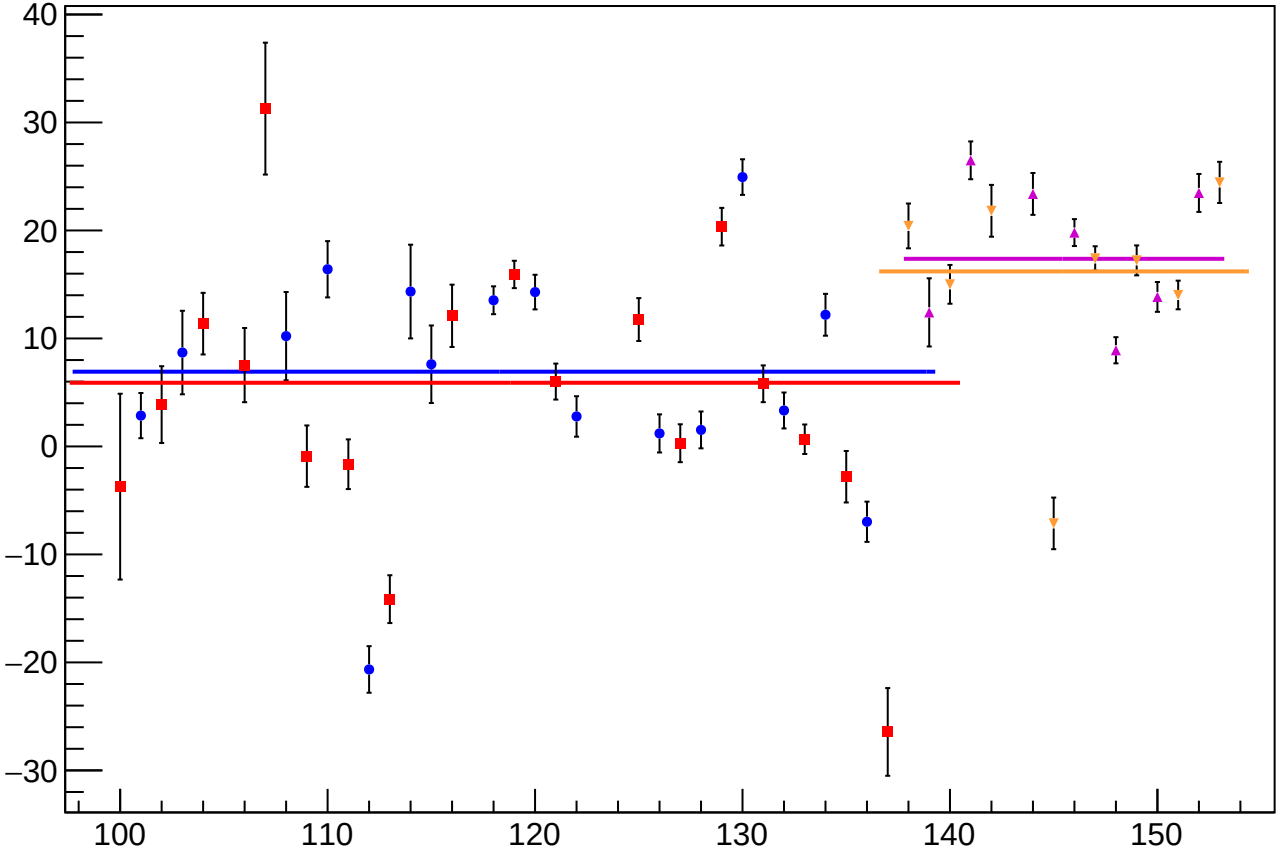
Left In: 27.301+/-0.713 χ^2/NDF:482.3/6

+ sign 27.633+/-0.398 χ^2/NDF: 3218.7/23

All: 28.846+/-0.283 χ^2/NDF: 6753.8/48

- sign 30.089+/-0.402 χ^2/NDF: 3516.2/24

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 16.208+/-0.573 χ^2/NDF:128.4/7

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

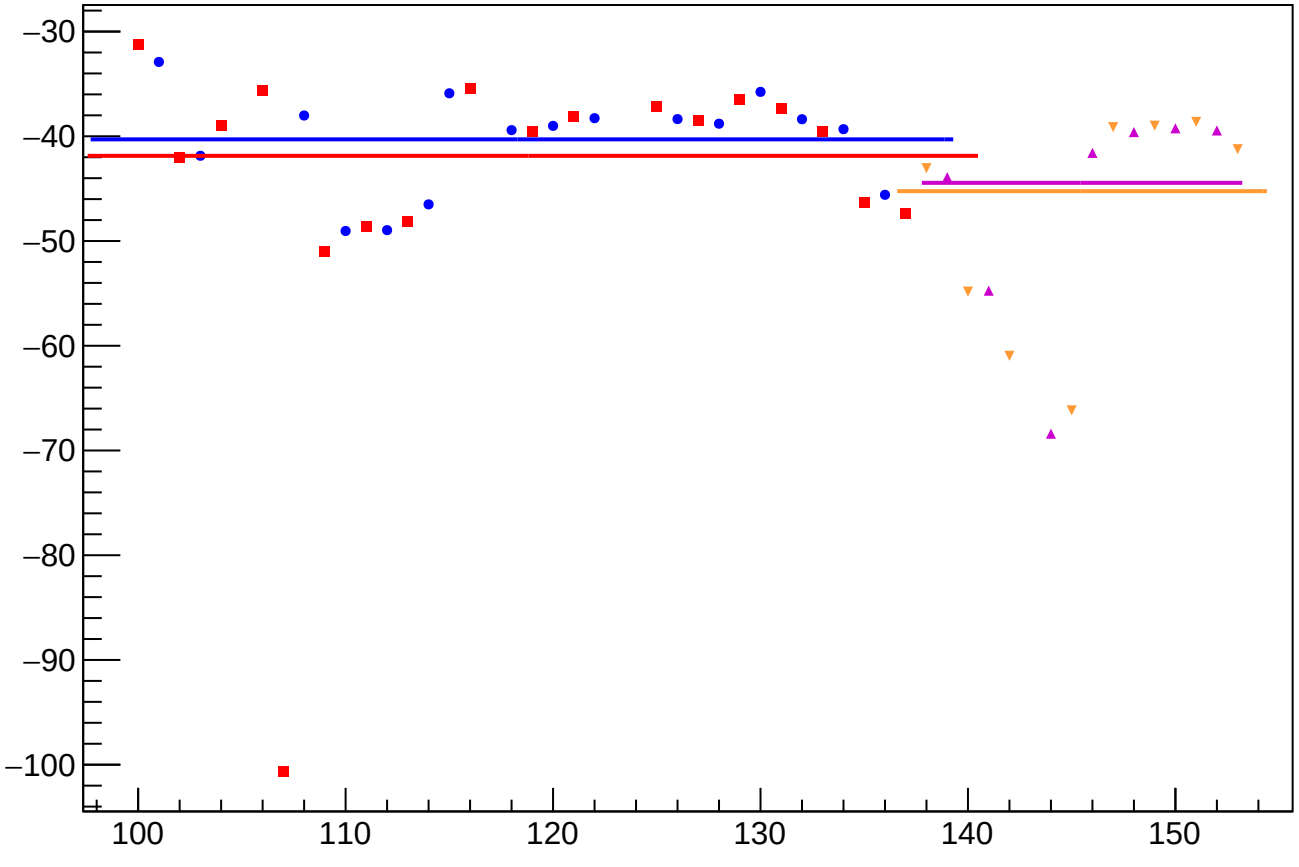
Left In: 17.374+/-0.591 χ^2/NDF:110.4/6

+ sign 10.892+/-0.375 χ^2/NDF: 722.9/23

All: 10.800+/-0.268 χ^2/NDF: 1420.3/48

- sign 10.705+/-0.382 χ^2/NDF: 697.3/24

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -45.241+/-0.029 χ^2/NDF:101670.2/7

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

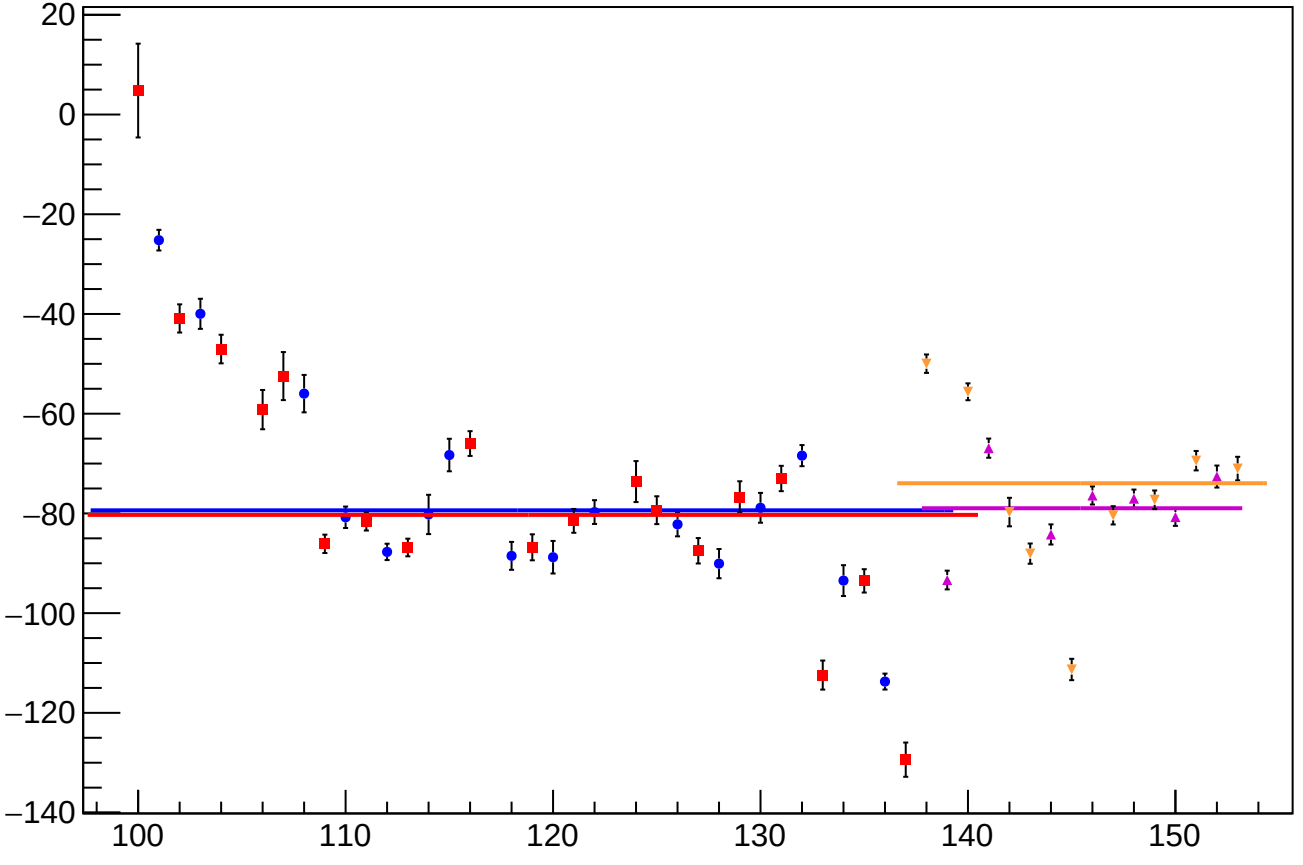
Left In: -44.445+/-0.028 χ^2/NDF:84869.2/6

+ sign -42.994+/-0.021 χ^2/NDF: 135888.7/23

All: -43.153+/-0.015 χ^2/NDF: 283222.8/48

- sign -43.313+/-0.021 χ^2/NDF: 147221.1/24

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -73.951+/-0.666 χ^2/NDF:665.7/8

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

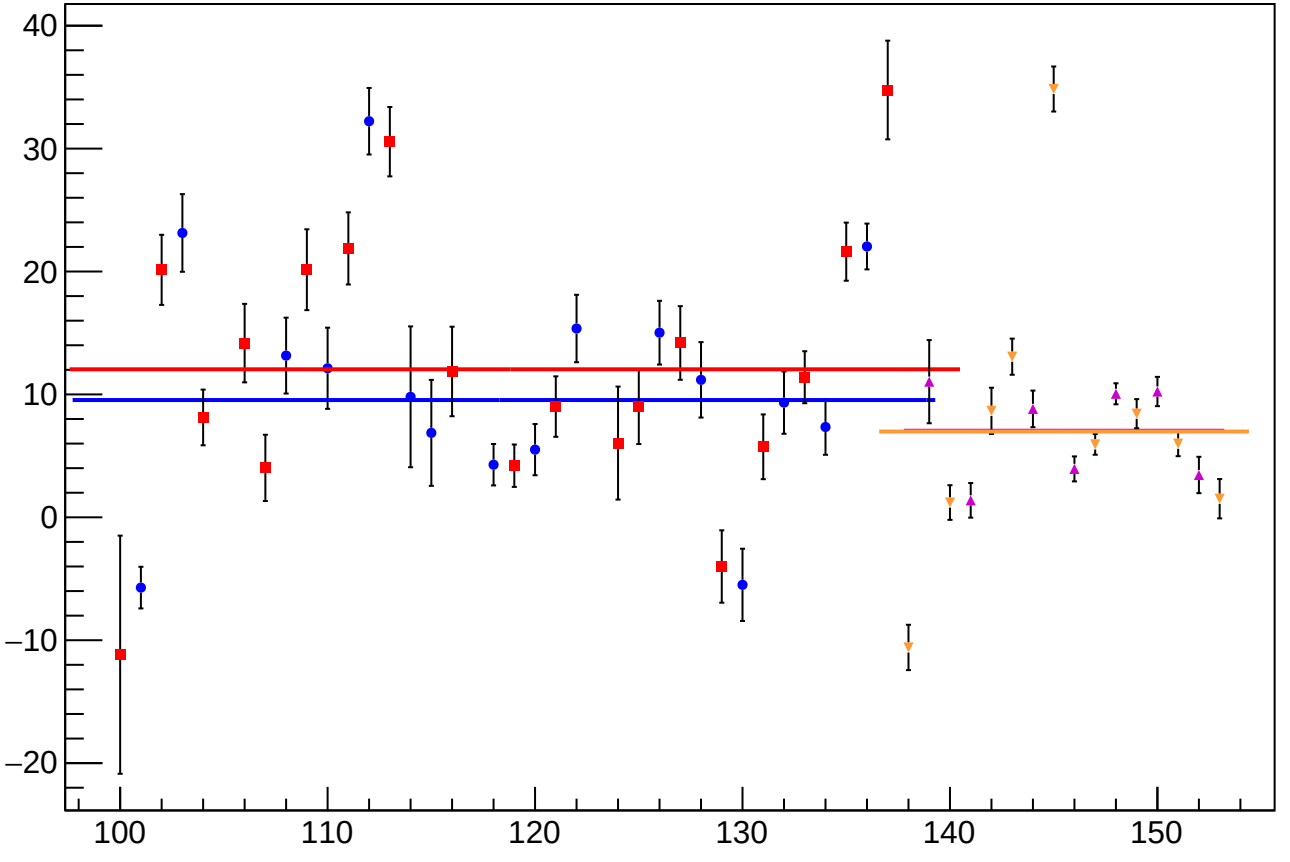
Left In: -78.963+/-0.720 χ^2/NDF:117.1/6

+ sign -76.901+/-0.450 χ^2/NDF: 2177.6/24

All: -78.284+/-0.323 χ^2/NDF: 3230.8/50

- sign -79.745+/-0.463 χ^2/NDF: 1033.8/25

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 6.981+/-0.434 χ^2/NDF:372.5/8

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

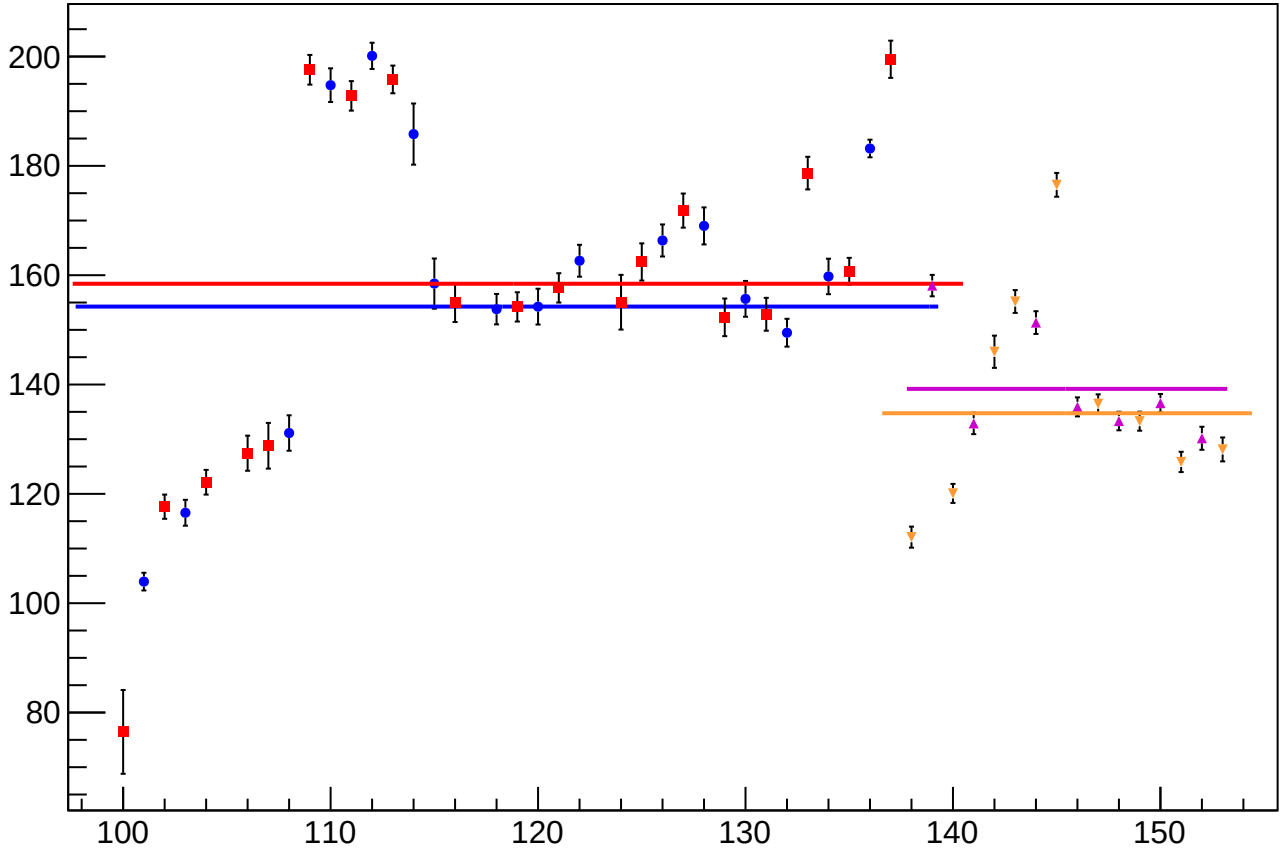
Left In: 7.043+/-0.470 χ^2/NDF:53.7/6

+ sign 7.821+/-0.356 χ^2/NDF: 651.0/24

All: 8.283+/-0.259 χ^2/NDF: 944.1/50

- sign 8.804+/-0.378 χ^2/NDF: 289.5/25

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 134.748+/-0.656 χ^2/NDF:721.9/8

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

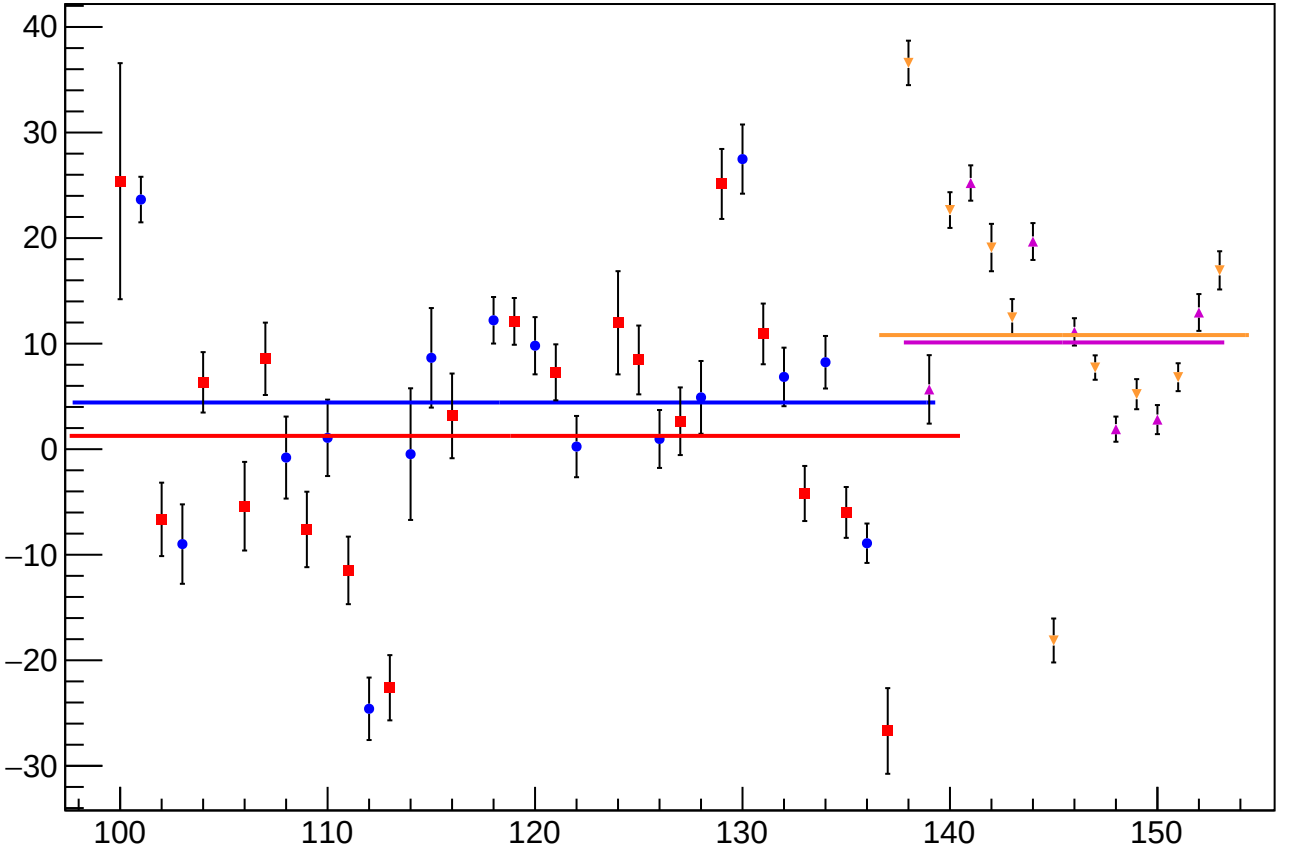
Left In: 139.205+/-0.705 χ^2/NDF:173.7/6

+ sign 144.414+/-0.466 χ^2/NDF: 3374.4/24

All: 146.649+/-0.338 χ^2/NDF: 5645.1/50

- sign 149.125+/-0.490 χ^2/NDF: 2222.2/25

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 10.812+/-0.538 χ^2/NDF:449.6/8

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

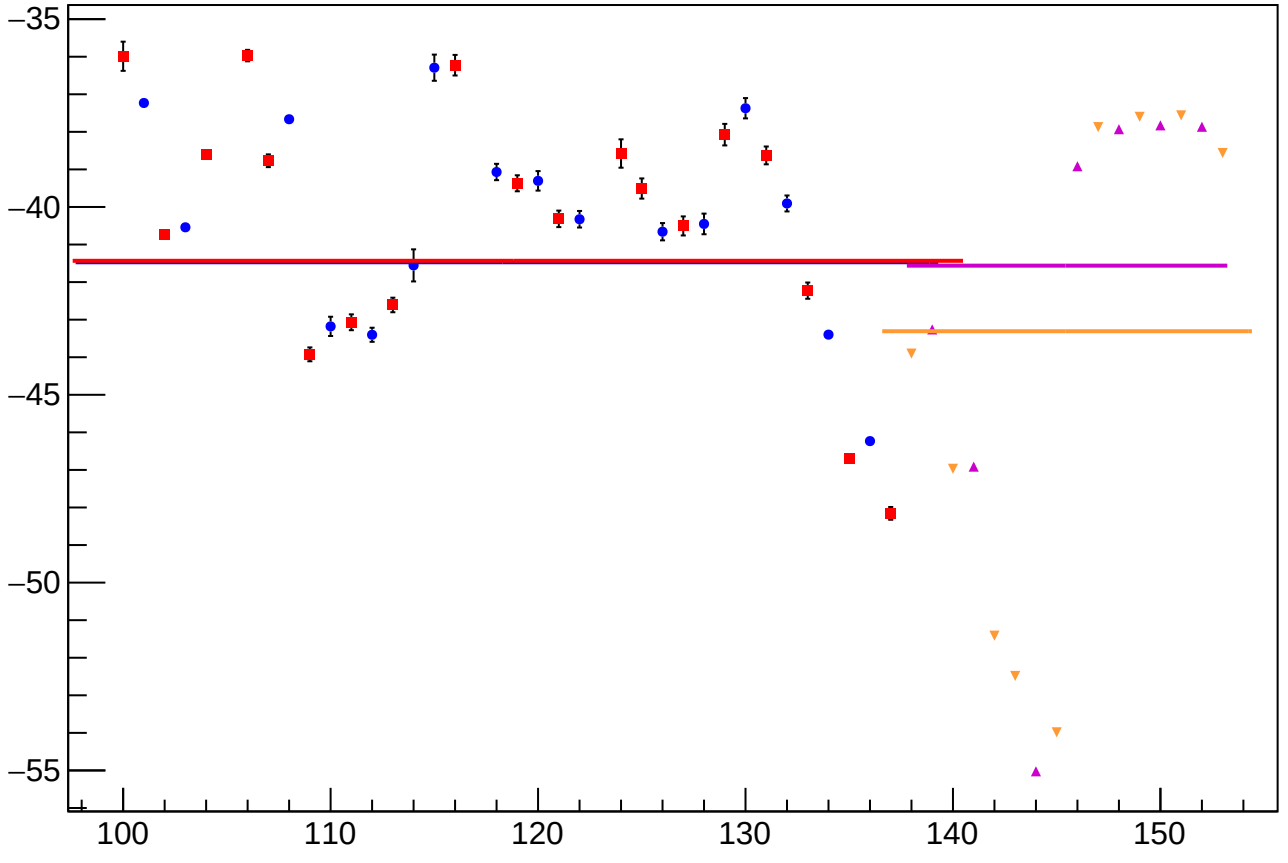
Left In: 10.112+/-0.584 χ^2/NDF:192.2/6

+ sign 8.497+/-0.430 χ^2/NDF: 816.7/24

All: 7.638+/-0.313 χ^2/NDF: 1371.7/50

- sign 6.669+/-0.456 χ^2/NDF: 546.5/25

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -43.308+/-0.027 χ^2/NDF:54652.1/8

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

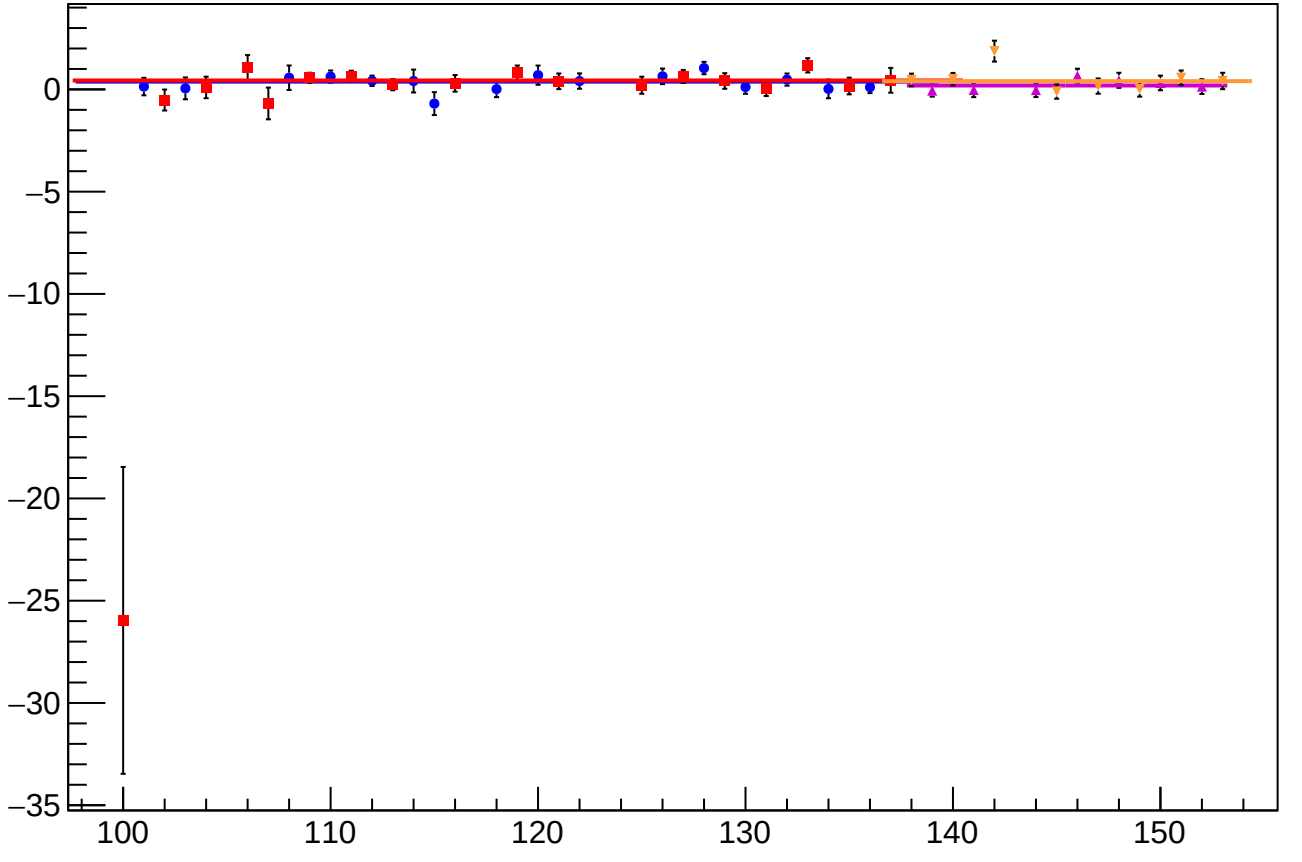
Left In: -41.562+/-0.028 χ^2/NDF:35390.6/6

+ sign -42.701+/-0.022 χ^2/NDF: 64117.6/24

All: -42.136+/-0.016 χ^2/NDF: 109129.7/50

- sign -41.519+/-0.023 χ^2/NDF: 43623.1/25

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.404+/-0.127 χ^2/NDF:12.2/7

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

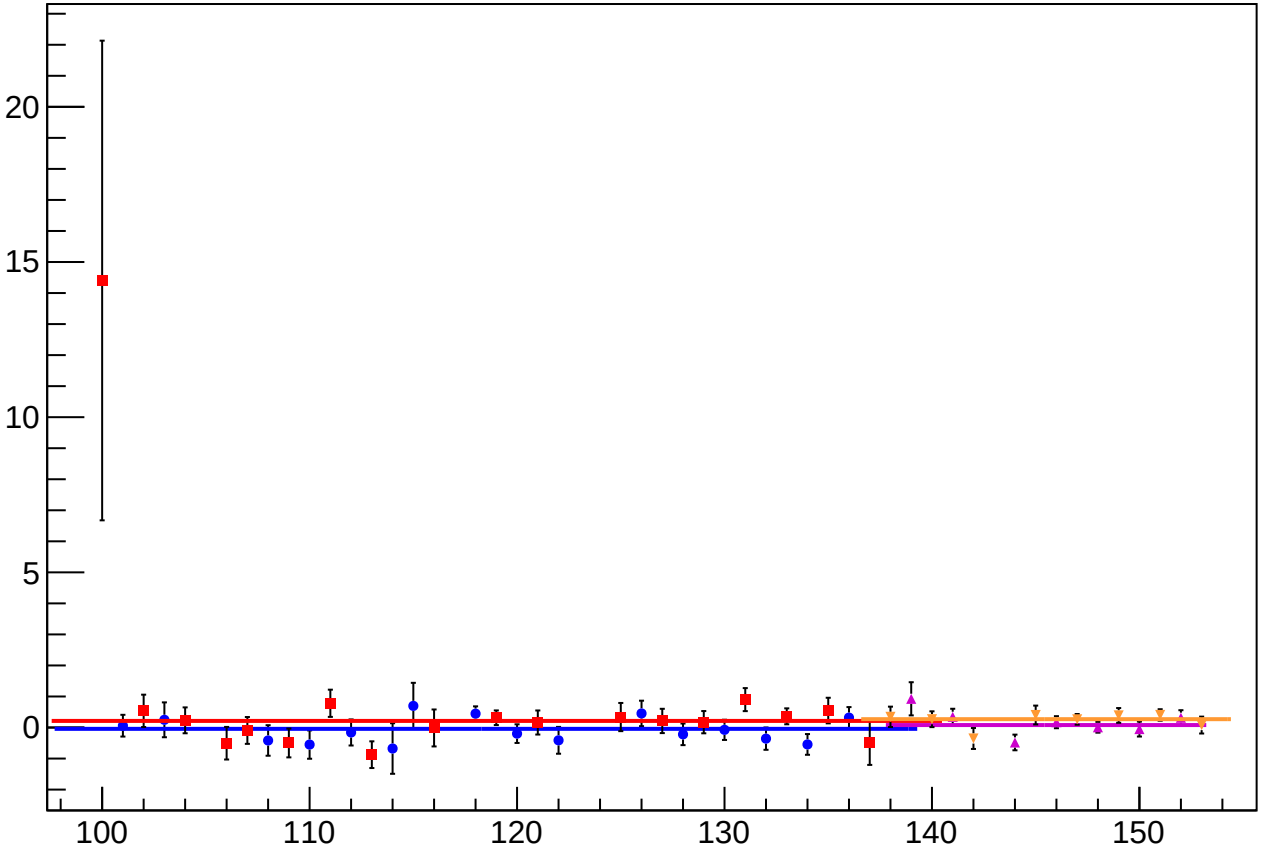
Left In: 0.191+/-0.130 χ^2/NDF:4.1/6

+ sign 0.390+/-0.075 χ^2/NDF: 26.2/23

All: 0.373+/-0.053 χ^2/NDF: 61.8/48

- sign 0.356+/-0.074 χ^2/NDF: 35.5/24

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.269+/-0.085 χ^2/NDF:4.9/7

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

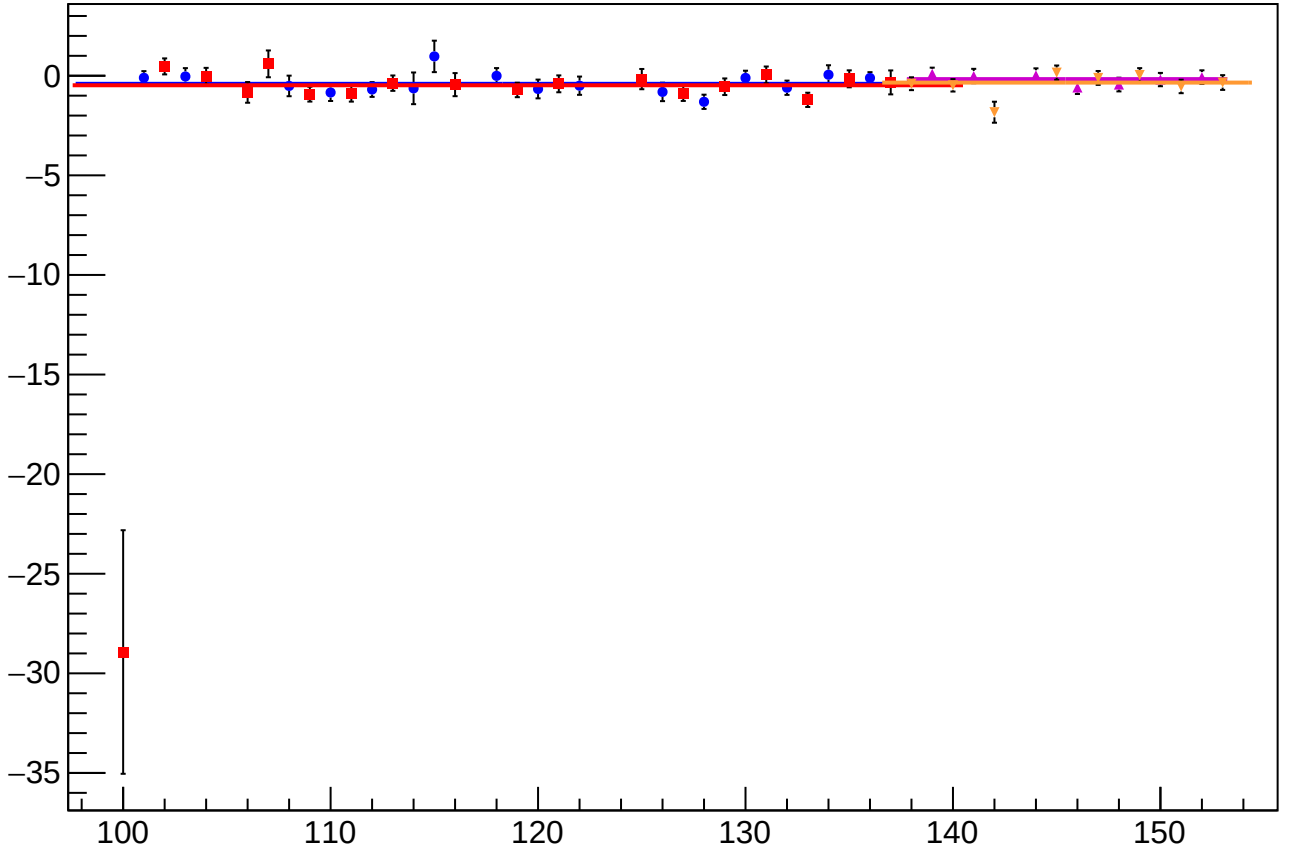
Left In: 0.080+/-0.088 χ^2/NDF:10.1/6

+ sign 0.129+/-0.063 χ^2/NDF: 26.0/23

All: 0.135+/-0.045 χ^2/NDF: 59.6/48

- sign 0.141+/-0.065 χ^2/NDF: 33.6/24

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.344+/-0.125 χ^2/NDF:12.1/7

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

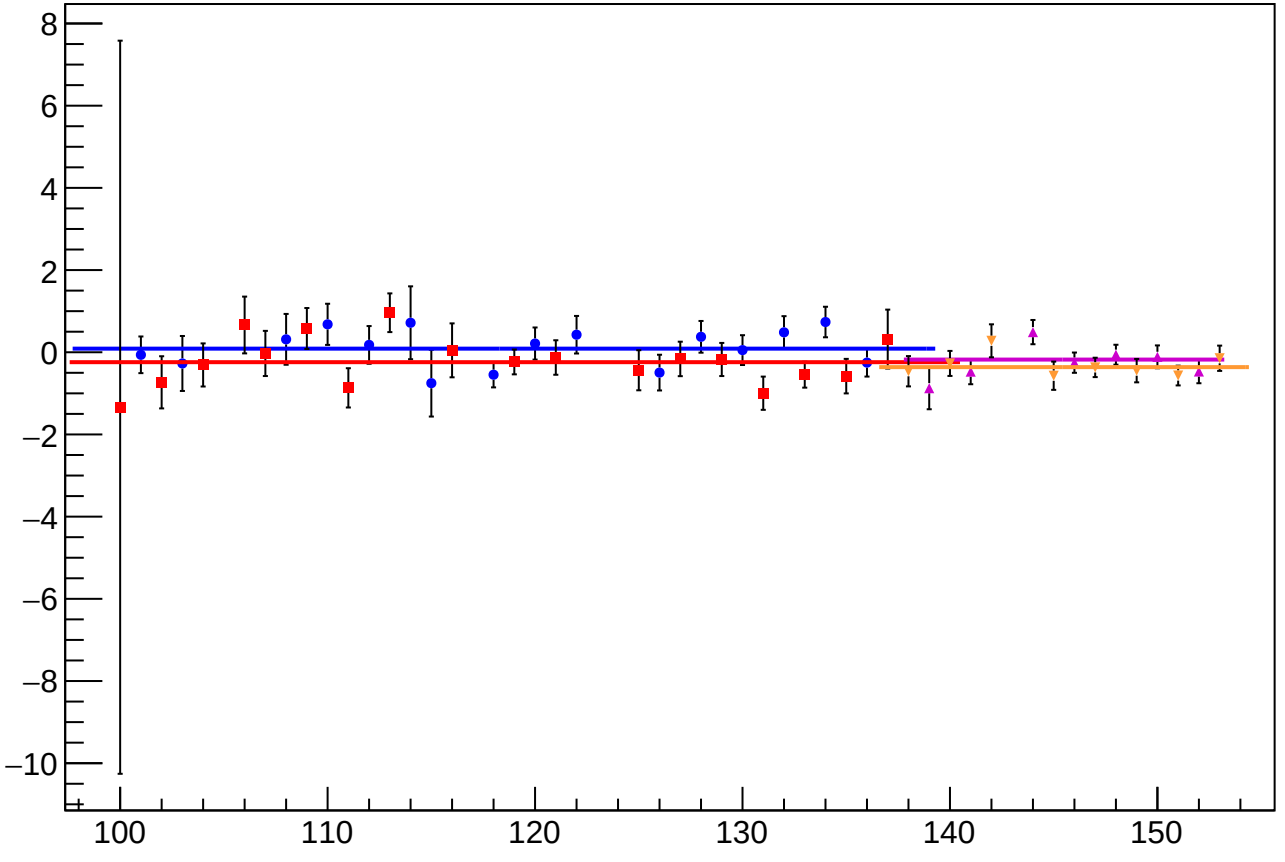
Left In: -0.169+/-0.127 χ^2/NDF:3.6/6

+ sign -0.381+/-0.080 χ^2/NDF: 30.0/23

All: -0.368+/-0.057 χ^2/NDF: 79.4/48

- sign -0.354+/-0.081 χ^2/NDF: 49.4/24

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.362+/-0.105 χ^2/NDF:4.4/7

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

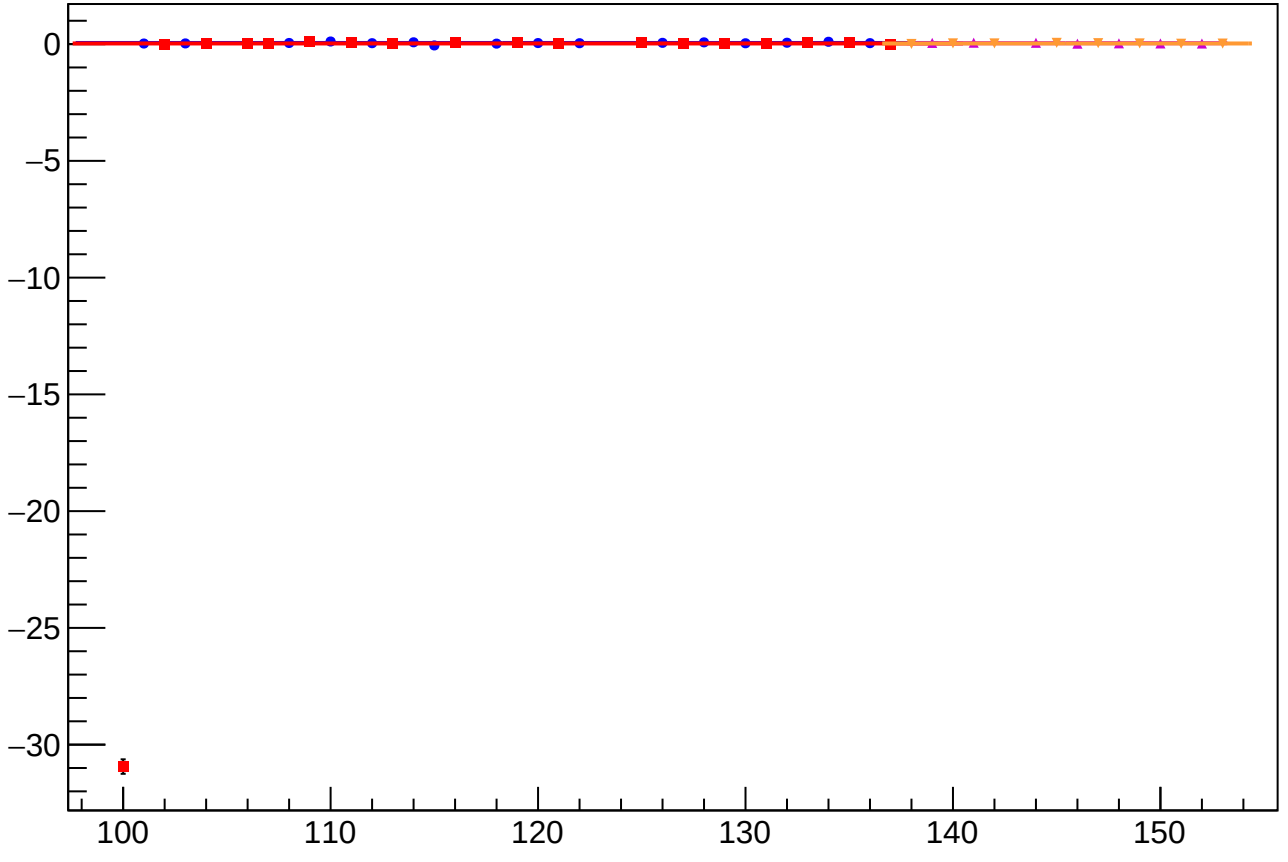
Left In: -0.178+/-0.109 χ^2/NDF:9.3/6

+ sign -0.144+/-0.075 χ^2/NDF: 29.2/23

All: -0.176+/-0.054 χ^2/NDF: 58.6/48

- sign -0.209+/-0.077 χ^2/NDF: 29.1/24

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.005 χ^2/NDF:7.8/7

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

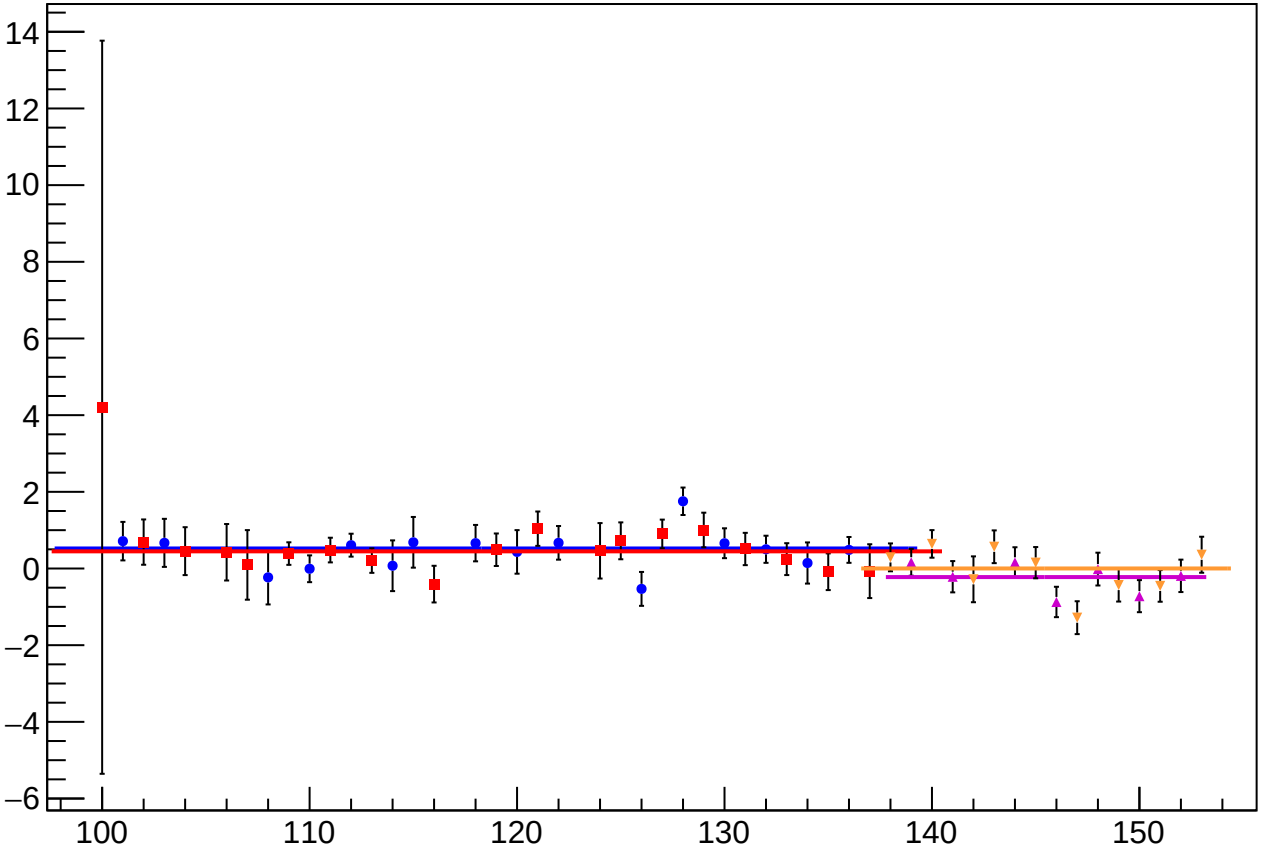
Left In: 0.039+/-0.005 χ^2/NDF:8.8/6

+ sign 0.036+/-0.004 χ^2/NDF: 34.2/23

All: 0.035+/-0.003 χ^2/NDF: 10066.0/48

- sign 0.035+/-0.004 χ^2/NDF: 10031.8/24

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.001+/-0.140 χ^2/NDF:17.7/8

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

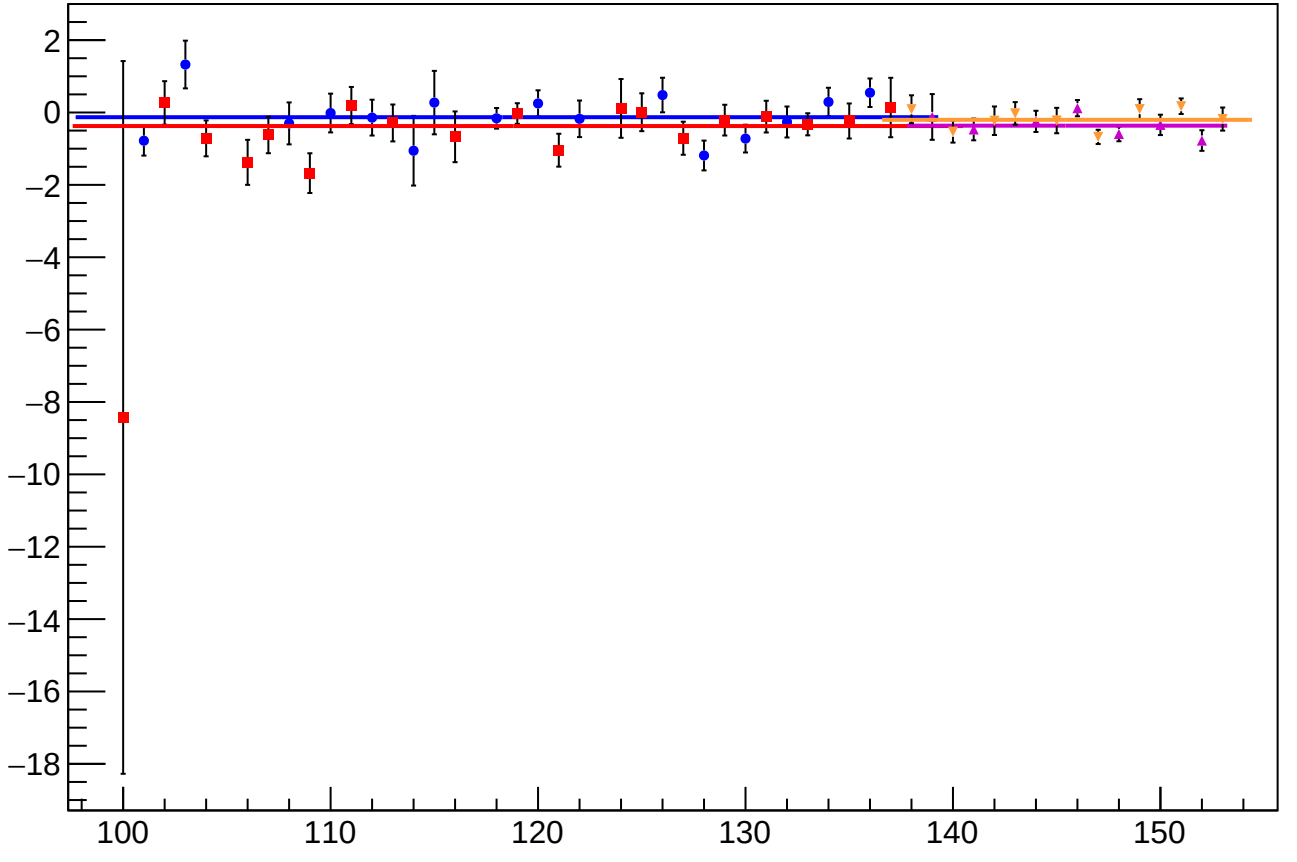
Left In: -0.224+/-0.151 χ^2/NDF:6.5/6

+ sign 0.327+/-0.086 χ^2/NDF: 48.9/24

All: 0.278+/-0.061 χ^2/NDF: 80.8/50

- sign 0.229+/-0.086 χ^2/NDF: 31.2/25

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.203+/-0.094 χ^2/NDF:12.0/8

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

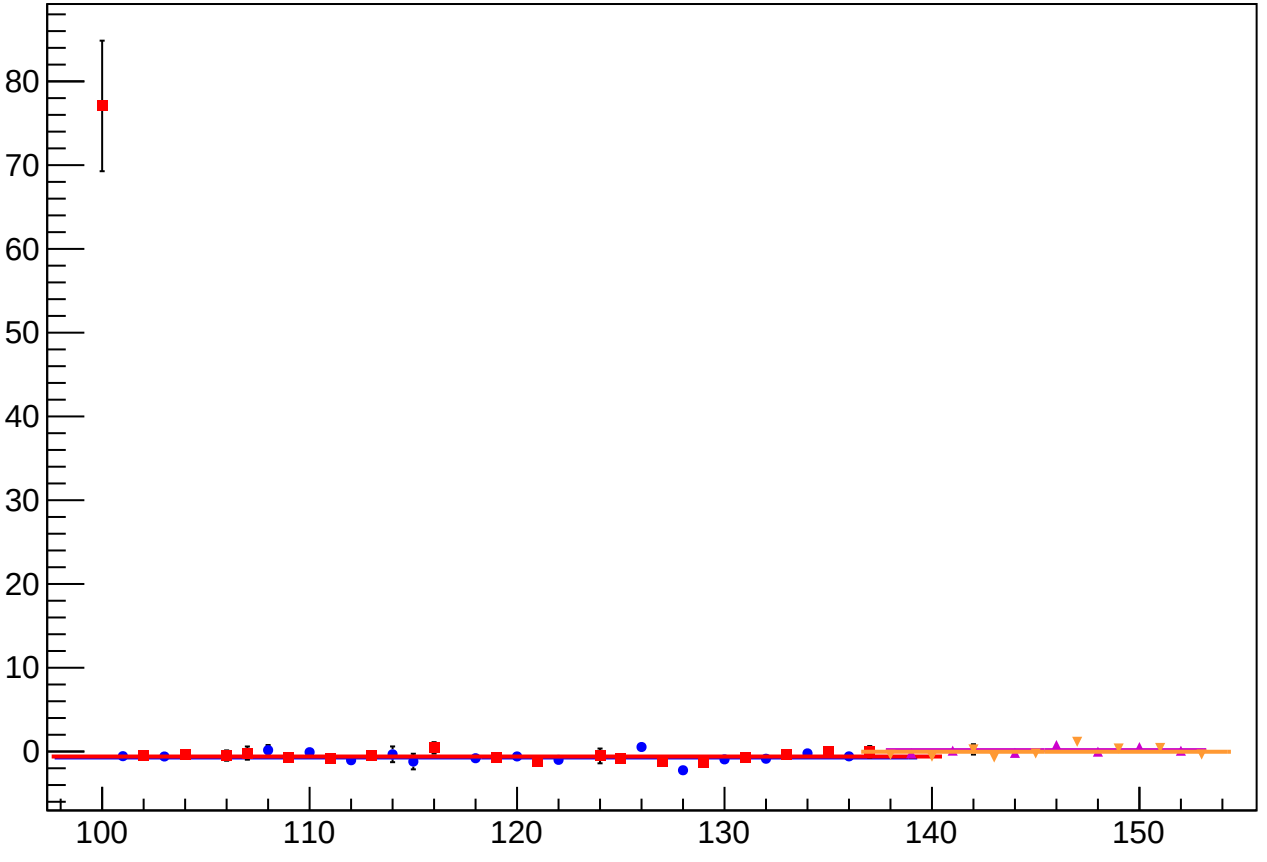
Left In: -0.364+/-0.103 χ^2/NDF:8.4/6

+ sign -0.172+/-0.072 χ^2/NDF: 36.8/24

All: -0.266+/-0.052 χ^2/NDF: 67.0/50

- sign -0.369+/-0.076 χ^2/NDF: 26.6/25

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.028+/-0.139 χ^2/NDF:18.1/8

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

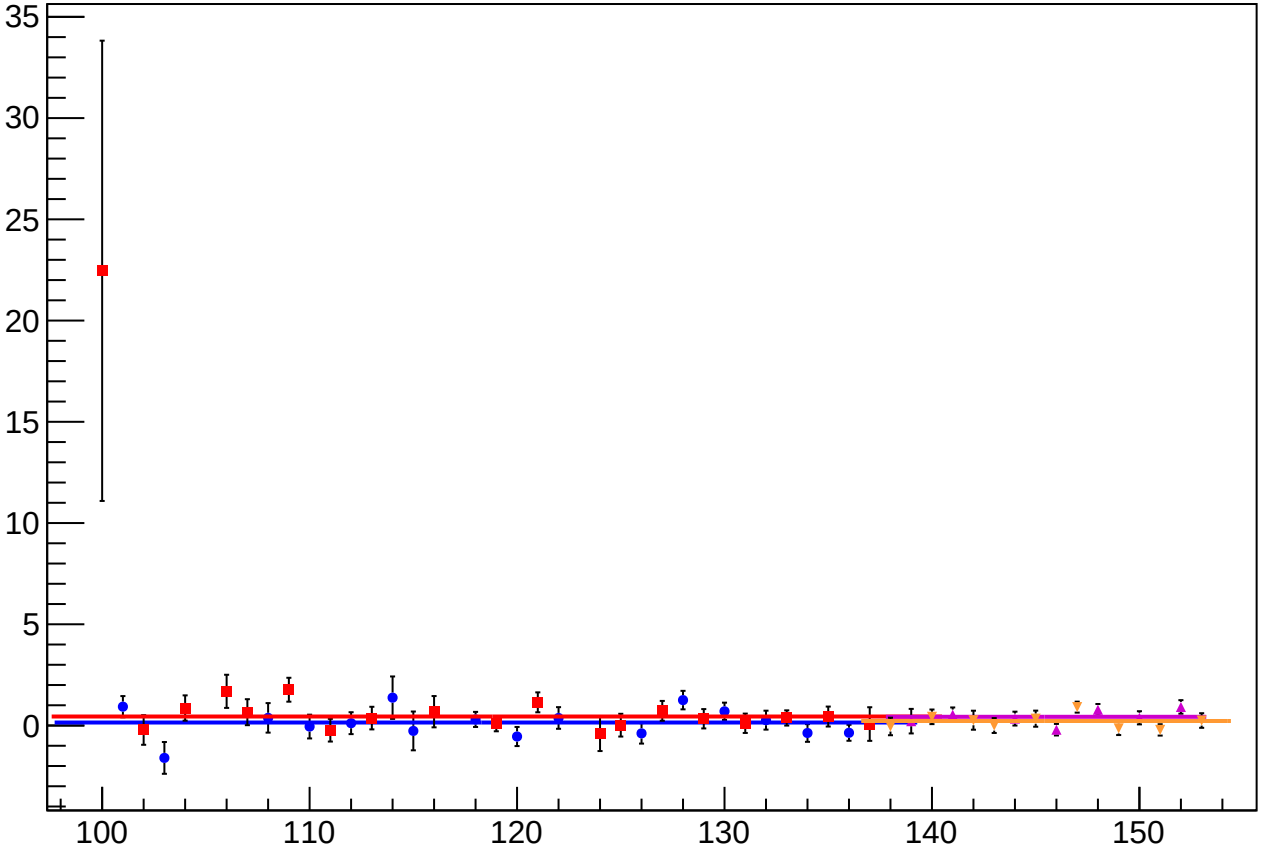
Left In: 0.168+/-0.149 χ^2/NDF:5.3/6

+ sign -0.415+/-0.091 χ^2/NDF: 56.8/24

All: -0.355+/-0.066 χ^2/NDF: 189.8/50

- sign -0.291+/-0.094 χ^2/NDF: 132.1/25

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.223+/-0.116 χ^2/NDF:11.3/8

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

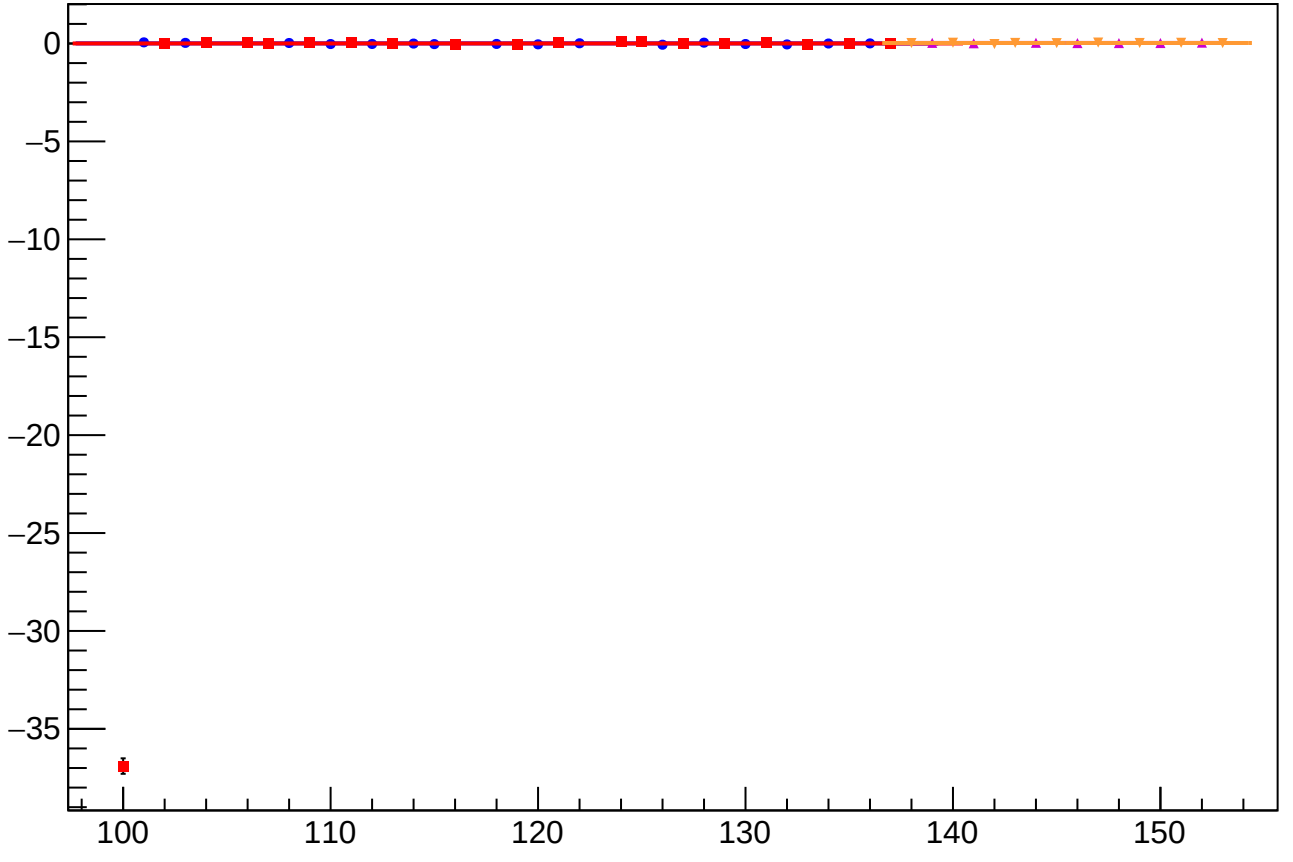
Left In: 0.430+/-0.127 χ^2/NDF:9.0/6

+ sign 0.189+/-0.086 χ^2/NDF: 34.7/24

All: 0.308+/-0.062 χ^2/NDF: 67.4/50

- sign 0.438+/-0.090 χ^2/NDF: 28.7/25

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.027+/-0.006 χ^2/NDF:7.5/8

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

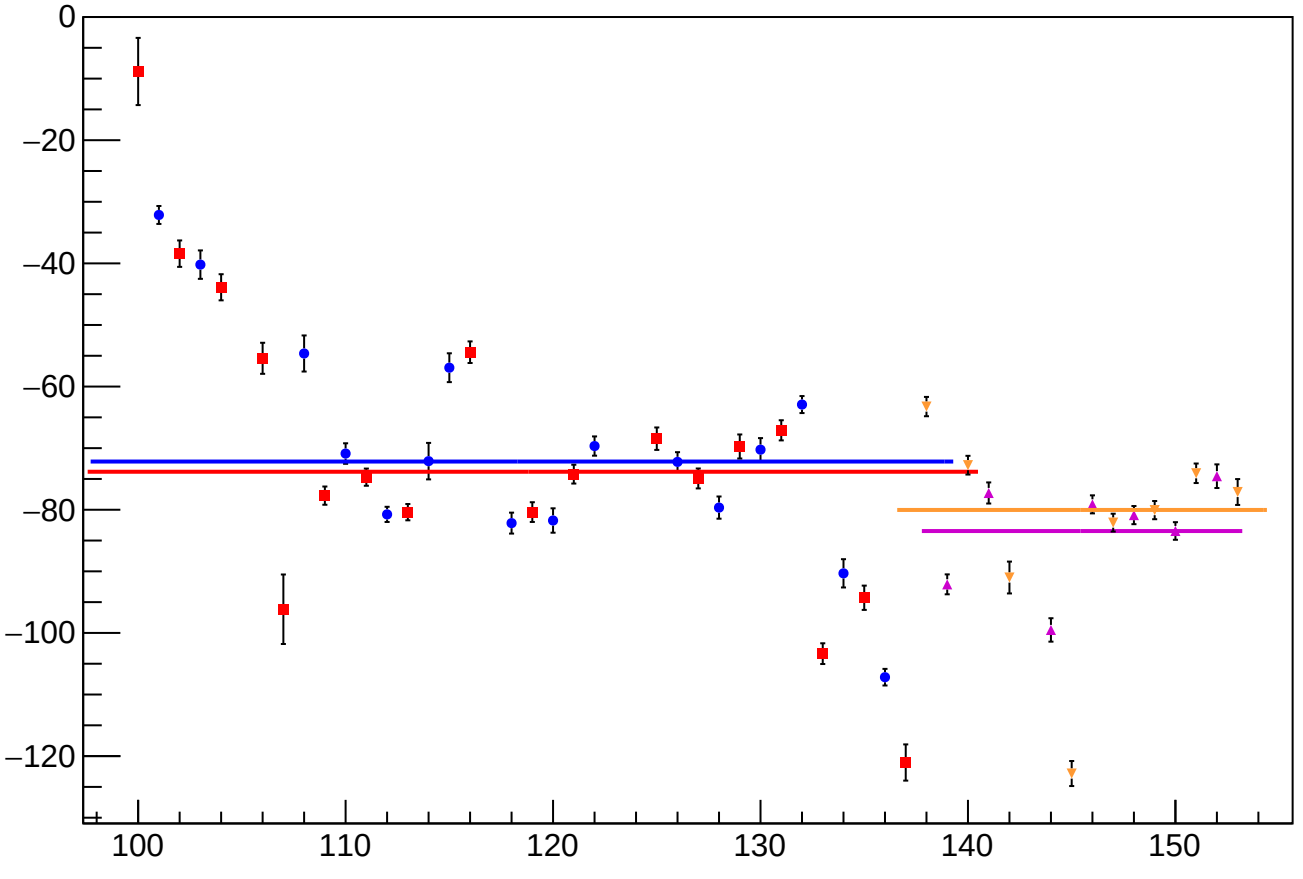
Left In: 0.029+/-0.006 χ^2/NDF:2.9/6

+ sign 0.019+/-0.004 χ^2/NDF: 30.0/24

All: 0.019+/-0.003 χ^2/NDF: 8794.2/50

- sign 0.019+/-0.005 χ^2/NDF: 8764.2/25

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -80.033+/-0.599 χ^2/NDF:616.7/7

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

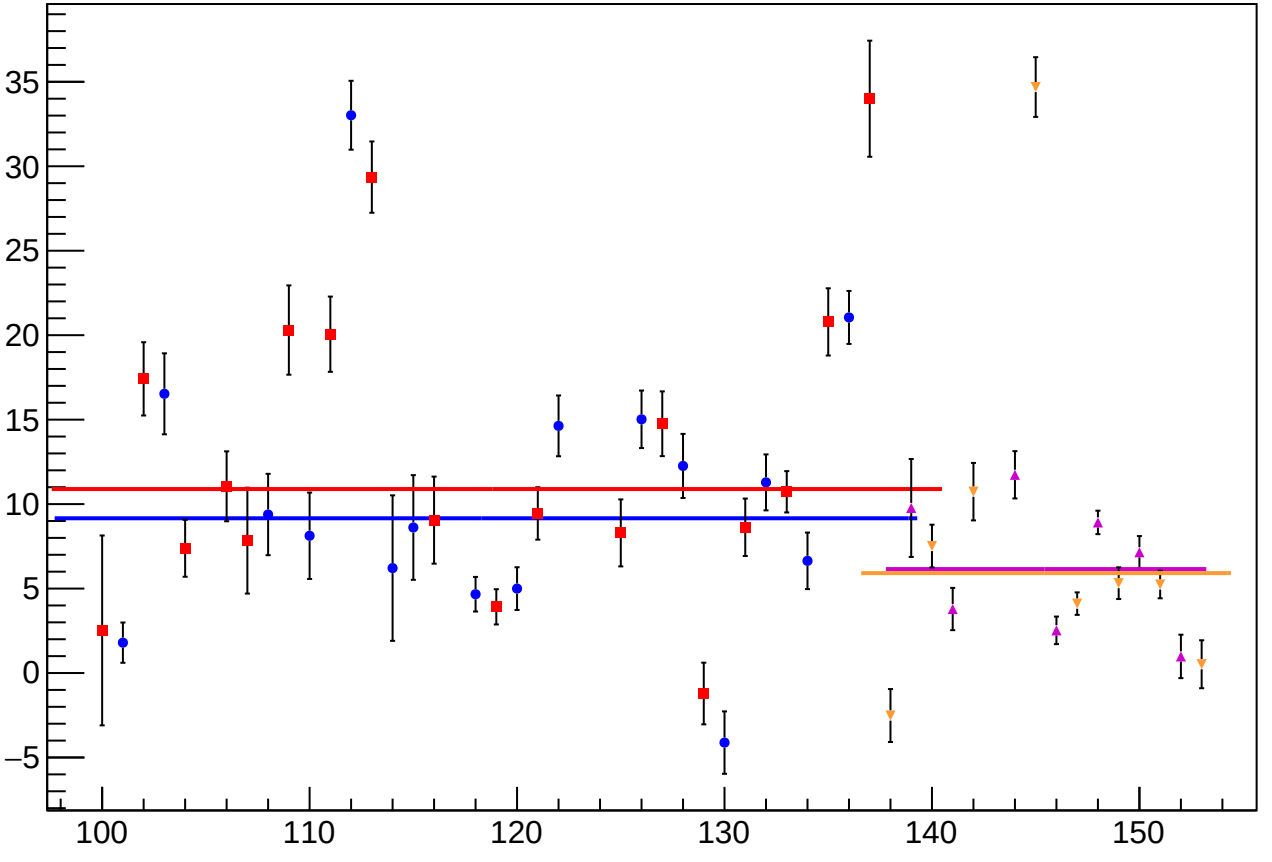
Left In: -83.457+/-0.610 χ^2/NDF:146.3/6

+ sign -74.865+/-0.350 χ^2/NDF: 2666.1/23

All: -75.944+/-0.248 χ^2/NDF: 4555.3/48

- sign -77.032+/-0.352 χ^2/NDF: 1870.2/24

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 5.915+/-0.376 χ^2/NDF:326.5/7

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

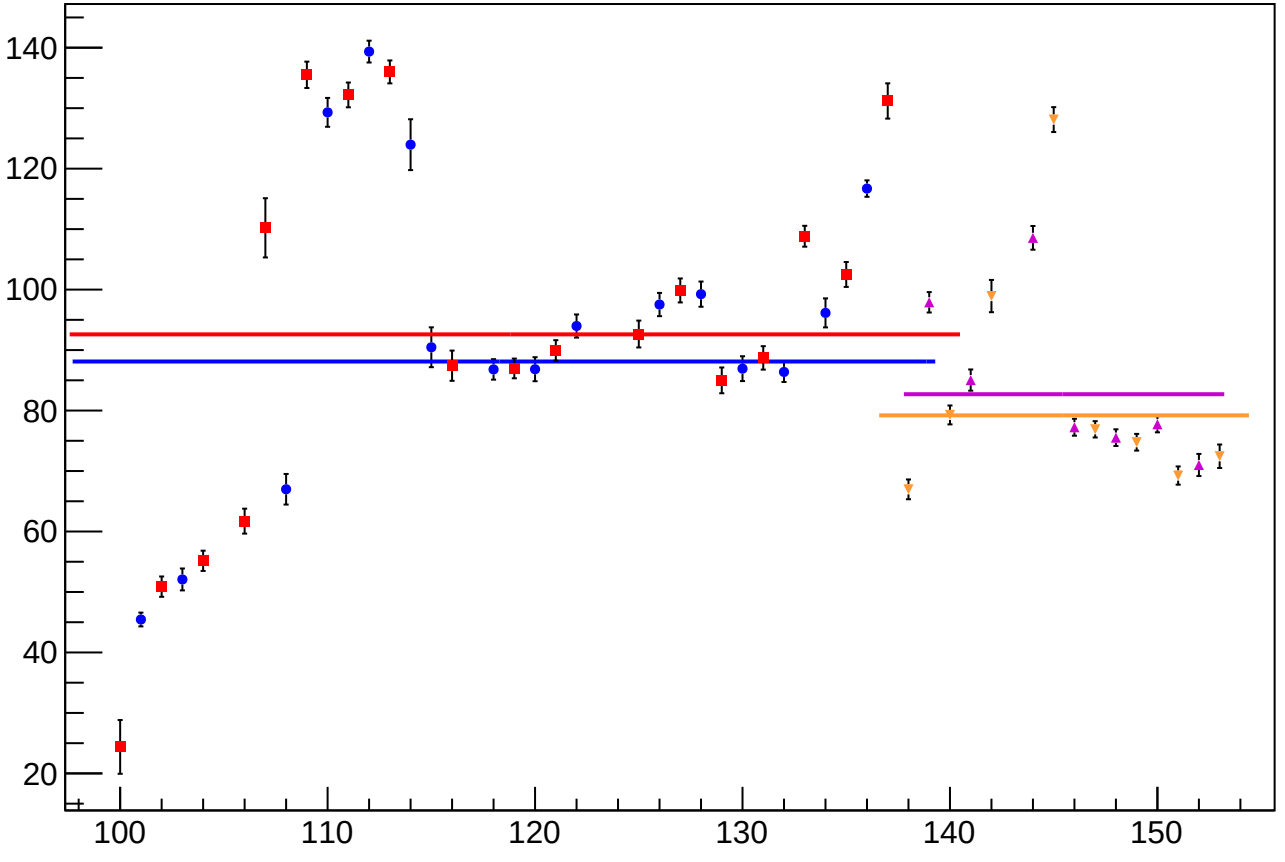
Left In: 6.154+/-0.391 χ^2/NDF:73.8/6

+ sign 7.338+/-0.281 χ^2/NDF: 711.3/23

All: 7.774+/-0.203 χ^2/NDF: 1145.1/48

- sign 8.245+/-0.292 χ^2/NDF: 428.8/24

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 79.205+/-0.583 χ^2/NDF:744.1/7

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

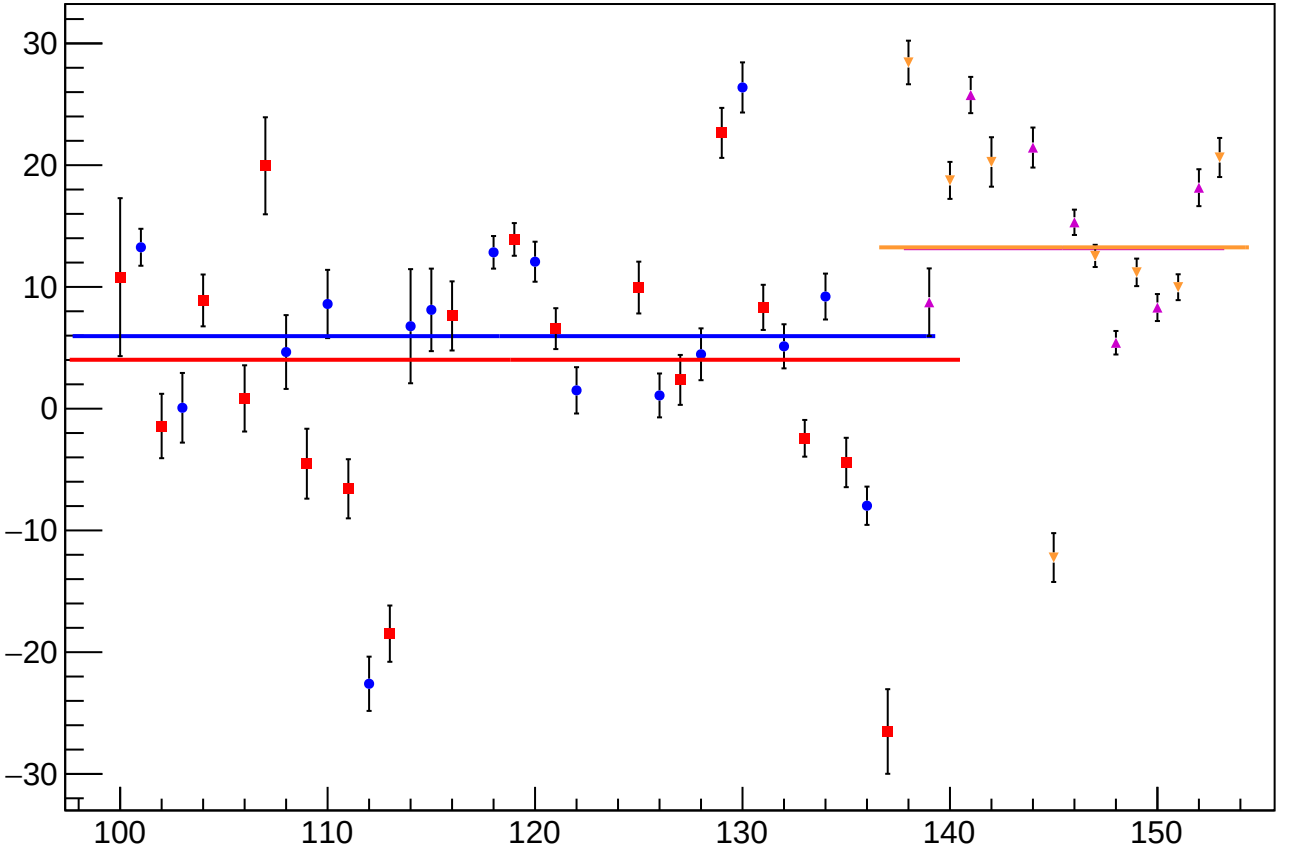
Left In: 82.702+/-0.594 χ^2/NDF:354.2/6

+ sign 84.617+/-0.365 χ^2/NDF: 4447.4/23

All: 86.586+/-0.262 χ^2/NDF: 8239.2/48

- sign 88.660+/-0.375 χ^2/NDF: 3732.1/24

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 13.250+/-0.472 χ^2/NDF:292.8/7

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

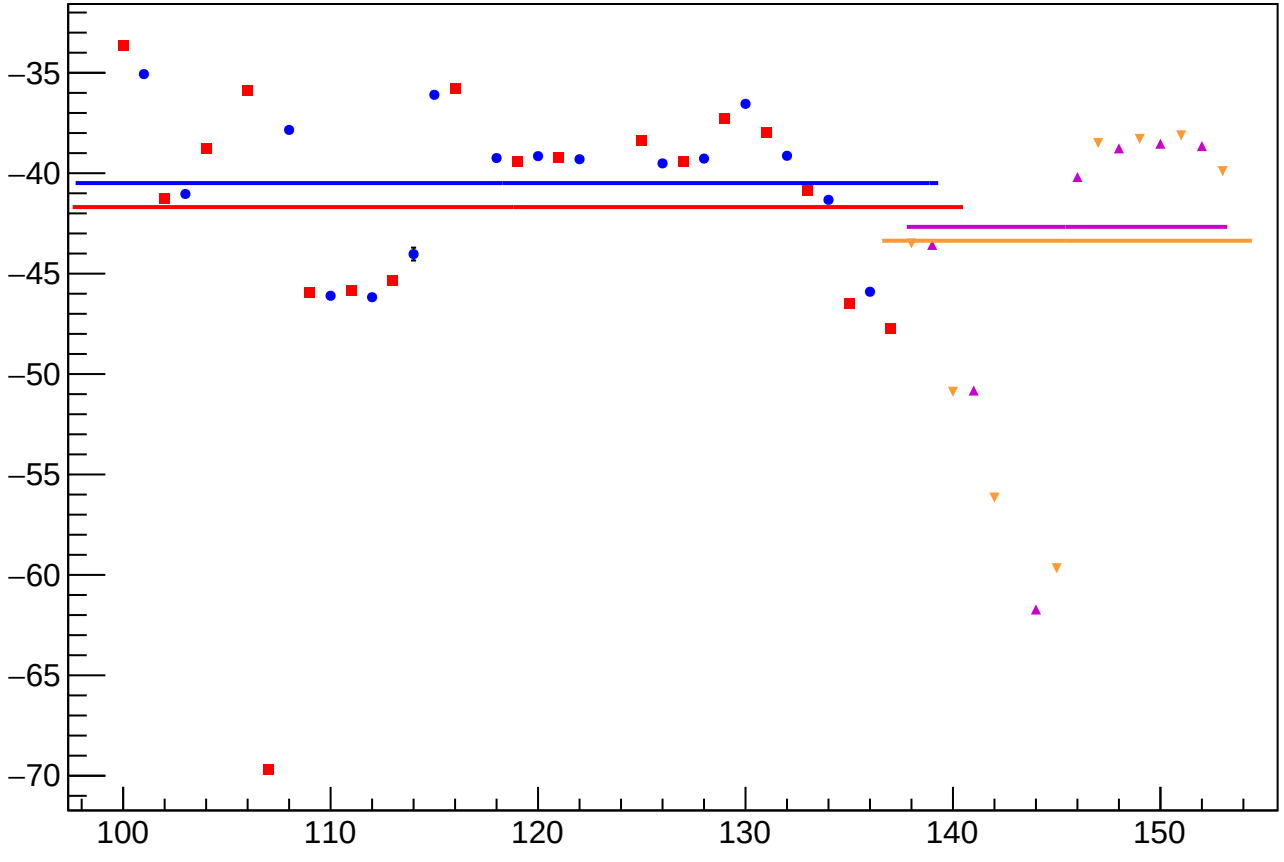
Left In: 13.181+/-0.488 χ^2/NDF:198.0/6

+ sign 9.777+/-0.341 χ^2/NDF: 833.4/23

All: 9.302+/-0.245 χ^2/NDF: 1621.7/48

- sign 8.795+/-0.353 χ^2/NDF: 784.3/24

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -43.362+/-0.024 χ^2/NDF:90152.3/7

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

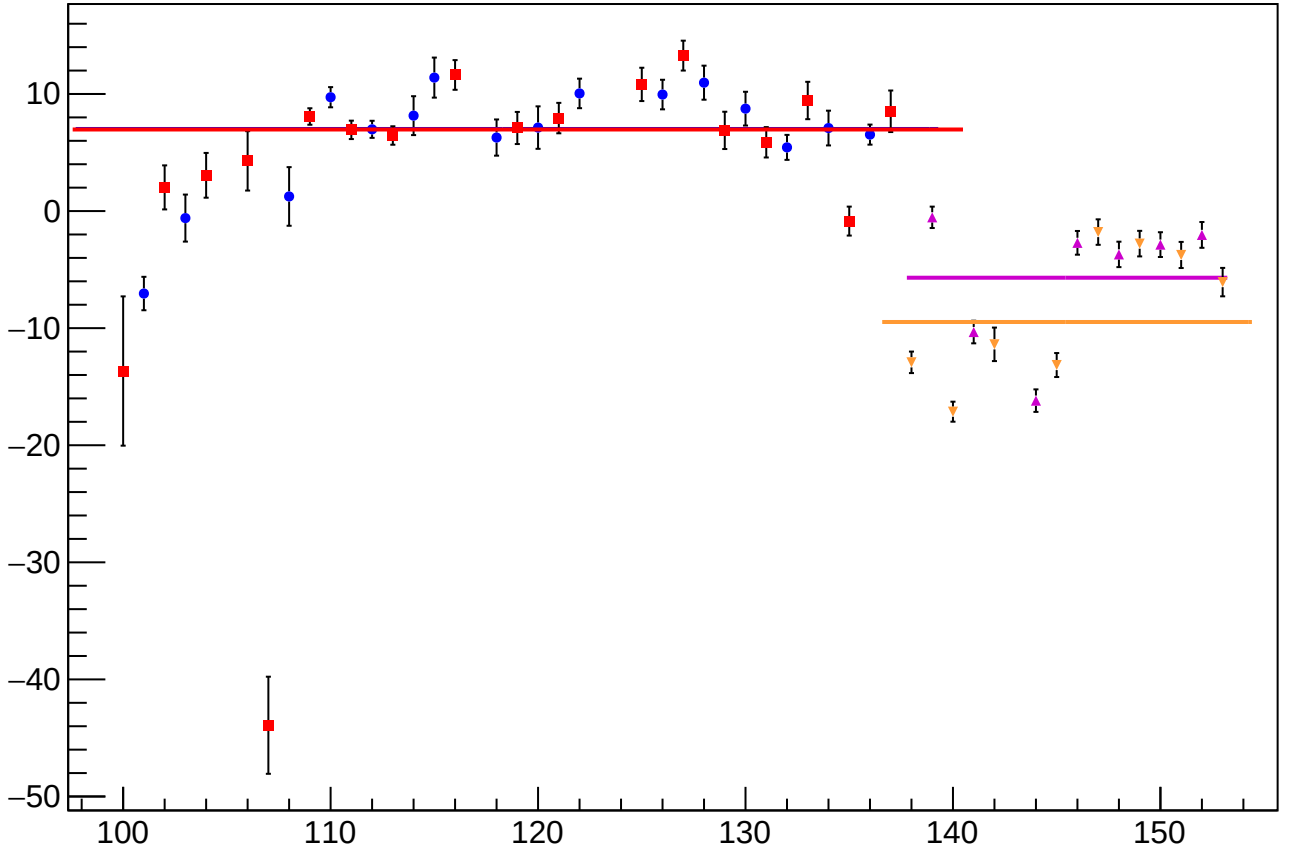
Left In: -42.671+/-0.024 χ^2/NDF:76171.8/6

+ sign -42.169+/-0.018 χ^2/NDF: 114286.8/23

All: -42.223+/-0.013 χ^2/NDF: 227999.5/48

- sign -42.279+/-0.018 χ^2/NDF: 113694.5/24

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.474+/-0.374 χ^2/NDF:230.7/7

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

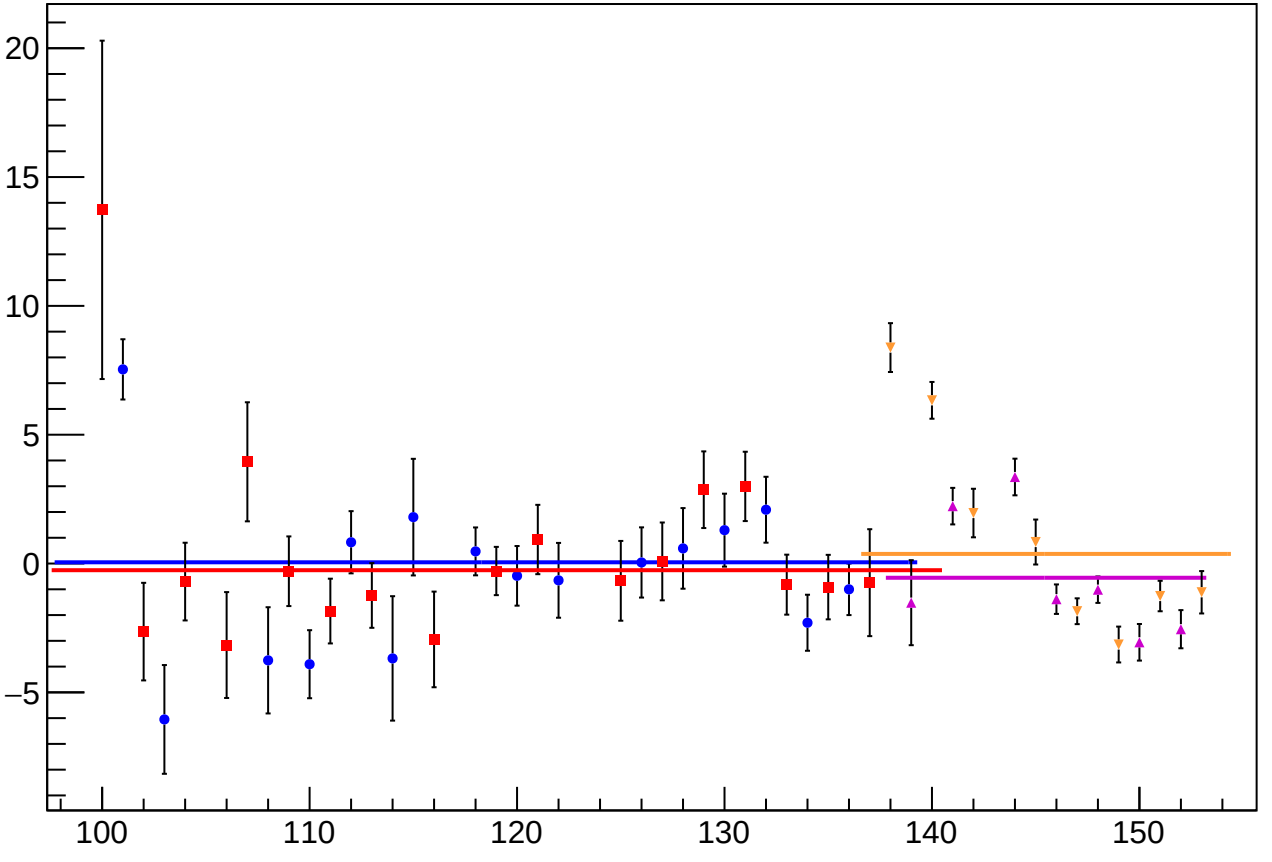
Left In: -5.693+/-0.381 χ^2/NDF:204.2/6

+ sign 0.309+/-0.238 χ^2/NDF: 1542.1/23

All: 1.247+/-0.167 χ^2/NDF: 2727.5/48

- sign 2.158+/-0.235 χ^2/NDF: 1154.8/24

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.374+/-0.251 χ^2/NDF:200.4/7

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

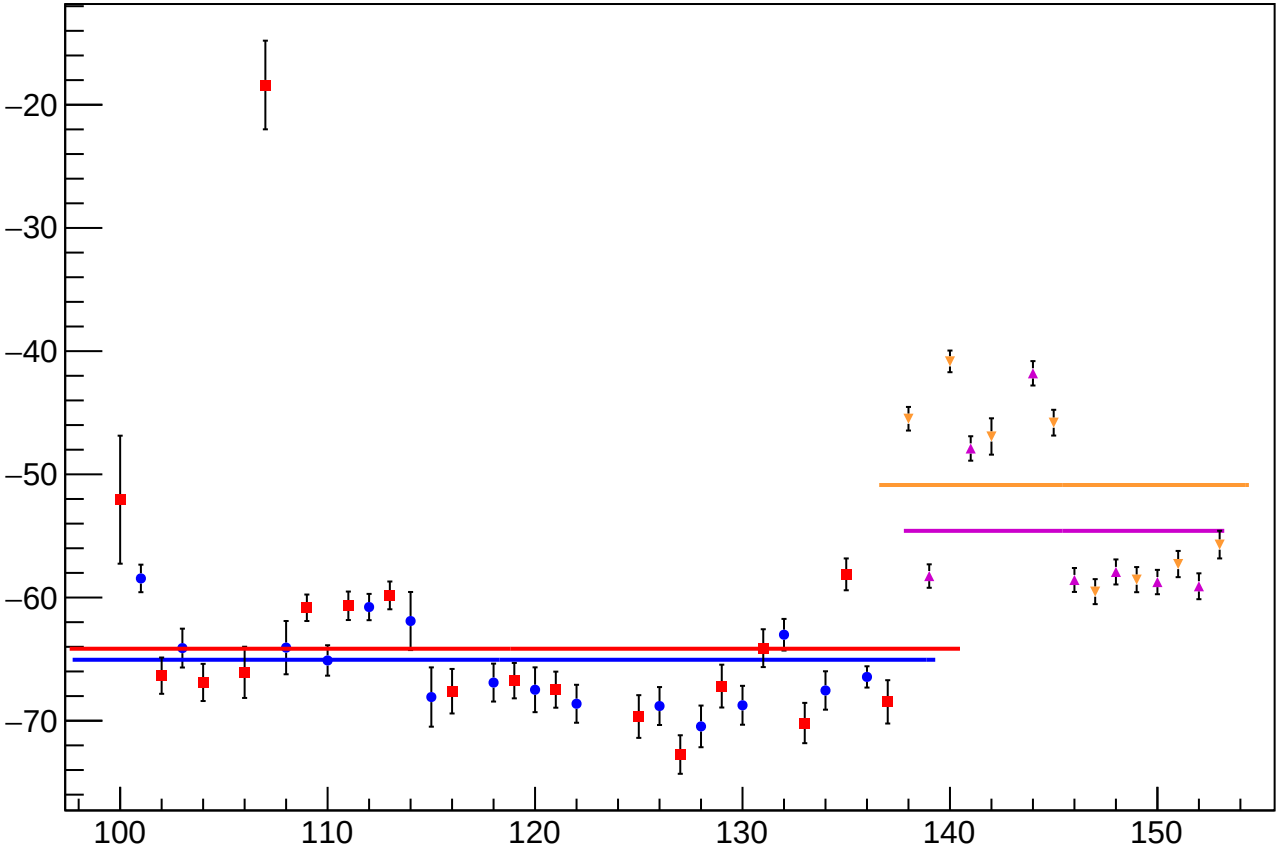
Left In: -0.552+/-0.258 χ^2/NDF:68.6/6

+ sign 0.255+/-0.200 χ^2/NDF: 276.0/23

All: -0.084+/-0.144 χ^2/NDF: 378.5/48

- sign -0.446+/-0.207 χ^2/NDF: 96.6/24

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -50.865+/-0.369 χ^2/NDF:376.6/7

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

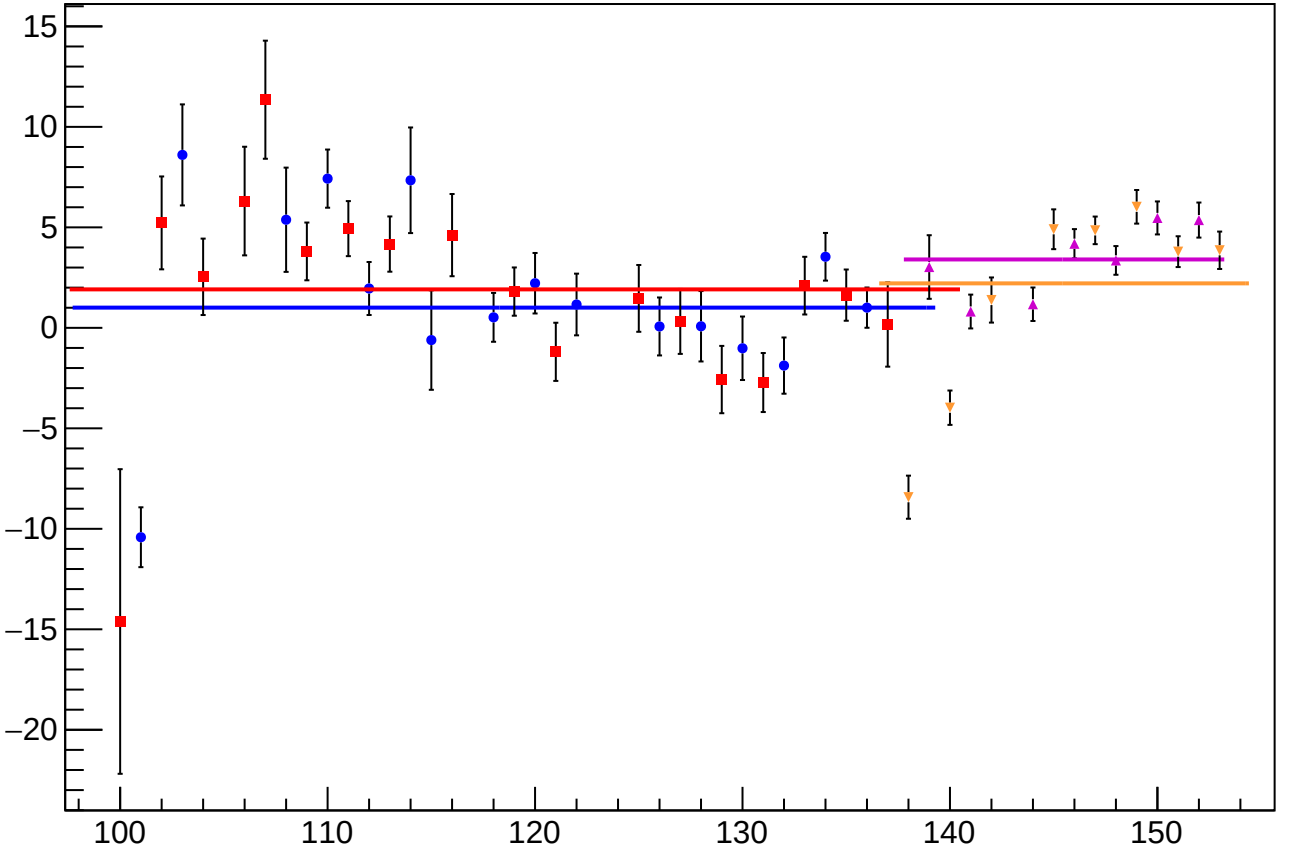
Left In: -54.587+/-0.375 χ^2/NDF:290.7/6

+ sign -58.243+/-0.255 χ^2/NDF: 1240.1/23

All: -58.892+/-0.182 χ^2/NDF: 2185.8/48

- sign -59.565+/-0.260 χ^2/NDF: 932.5/24

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 2.213+/-0.309 χ^2/NDF:201.6/7

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

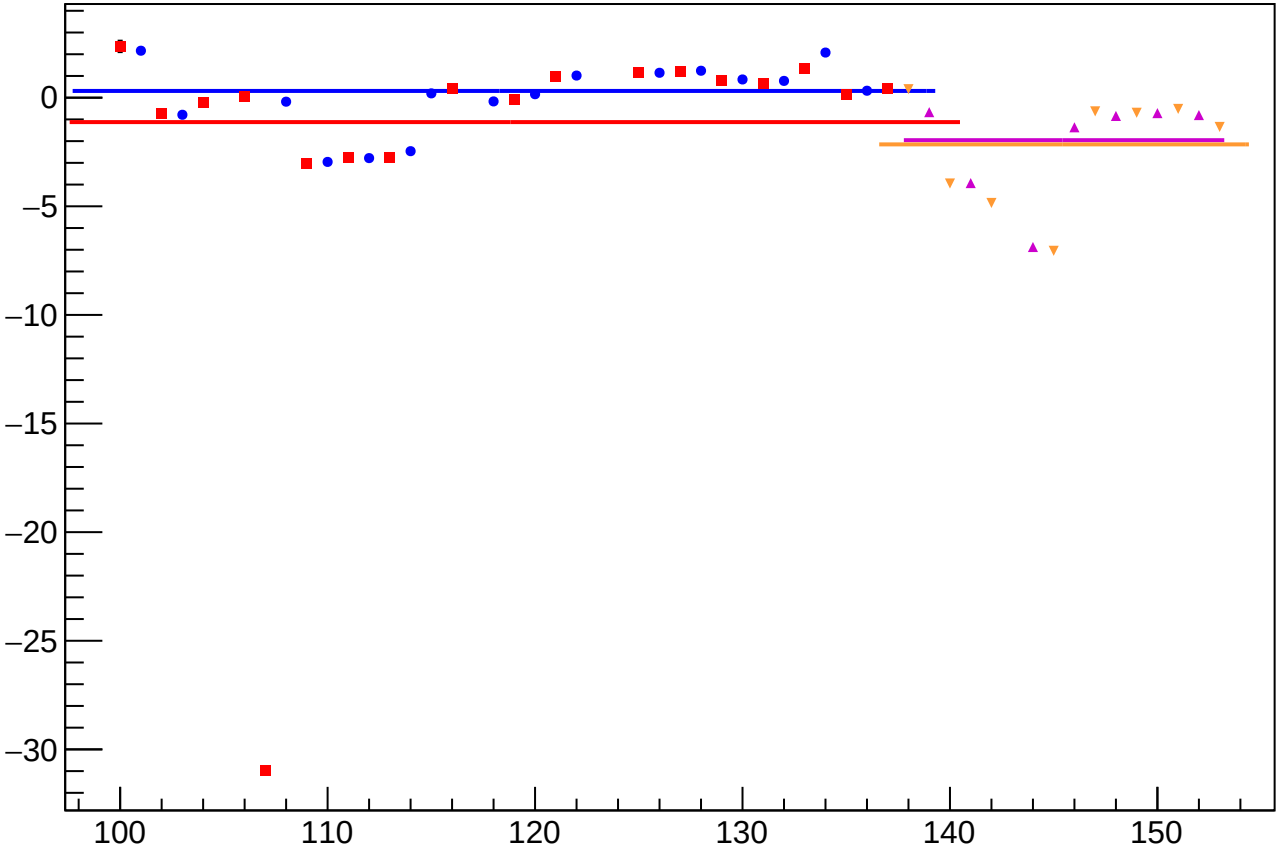
Left In: 3.403+/-0.318 χ^2/NDF:29.2/6

+ sign 1.726+/-0.239 χ^2/NDF: 317.0/23

All: 2.250+/-0.171 χ^2/NDF: 419.5/48

- sign 2.808+/-0.246 χ^2/NDF: 92.5/24

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.150+/-0.015 χ^2/NDF:27002.1/7

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

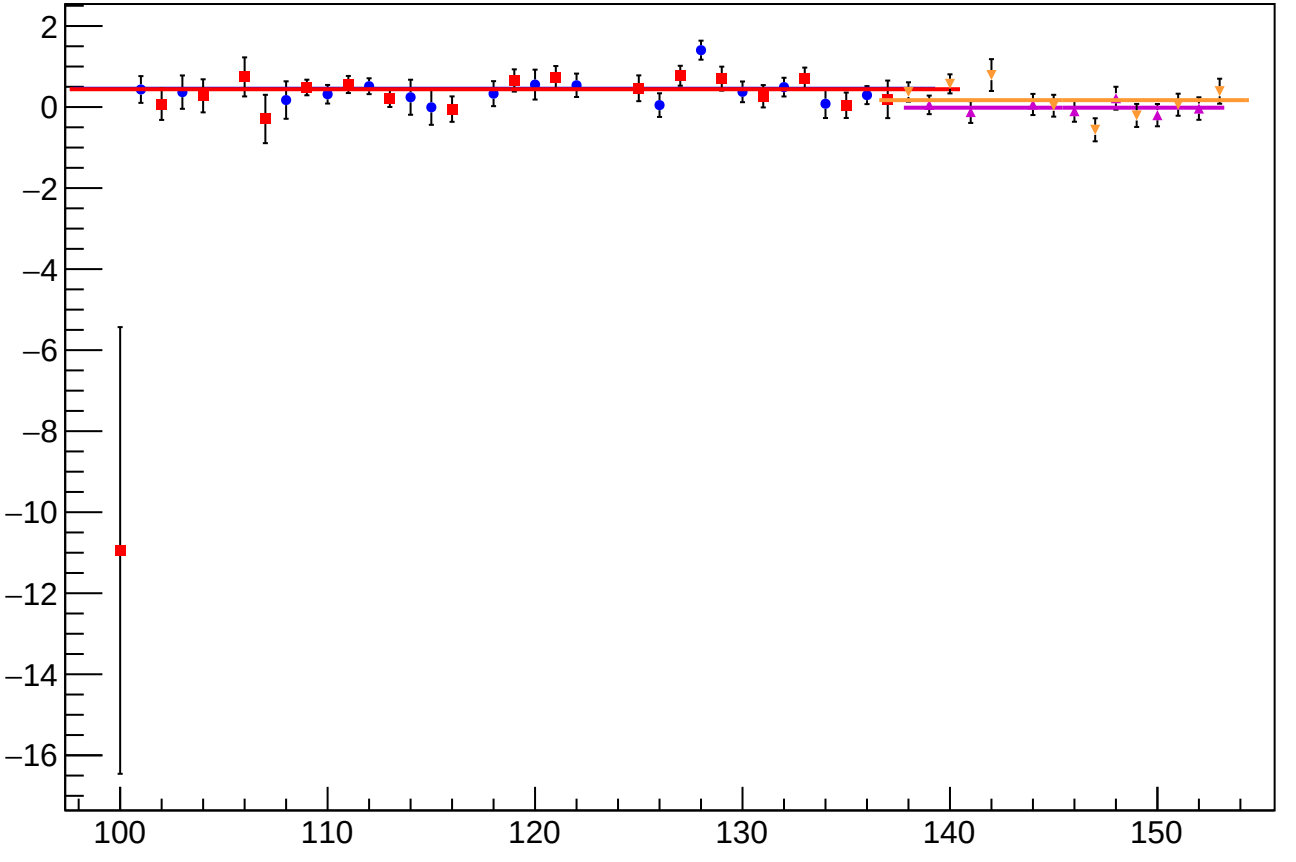
Left In: -1.957+/-0.015 χ^2/NDF:18993.7/6

+ sign -1.330+/-0.012 χ^2/NDF: 40945.4/23

All: -1.510+/-0.009 χ^2/NDF: 107702.6/48

- sign -1.697+/-0.012 χ^2/NDF: 66309.6/24

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.170+/-0.098 χ^2/NDF:15.4/7

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

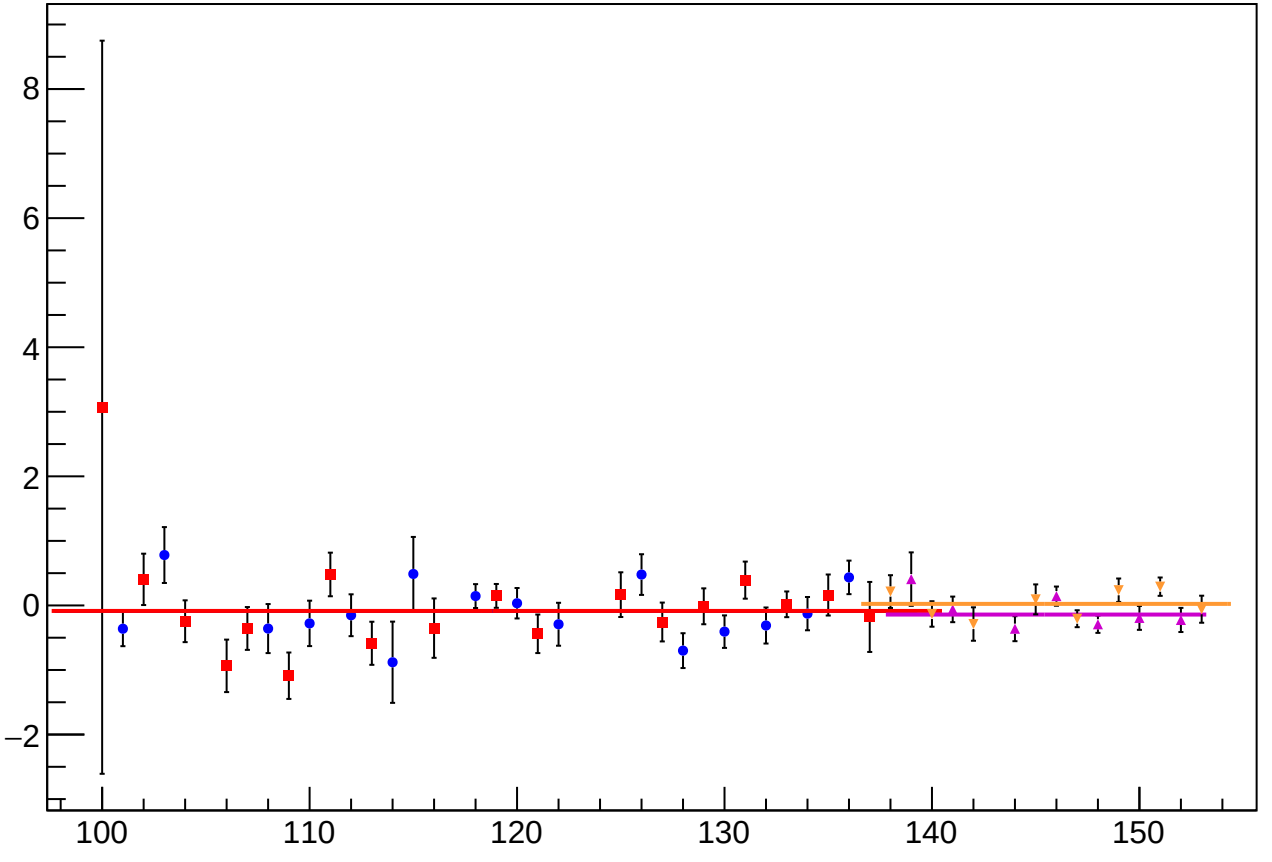
Left In: -0.016+/-0.100 χ^2/NDF:1.6/6

+ sign 0.354+/-0.058 χ^2/NDF: 43.5/23

All: 0.322+/-0.041 χ^2/NDF: 78.3/48

- sign 0.290+/-0.057 χ^2/NDF: 34.2/24

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.024+/-0.065 χ^2/NDF:10.8/7

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

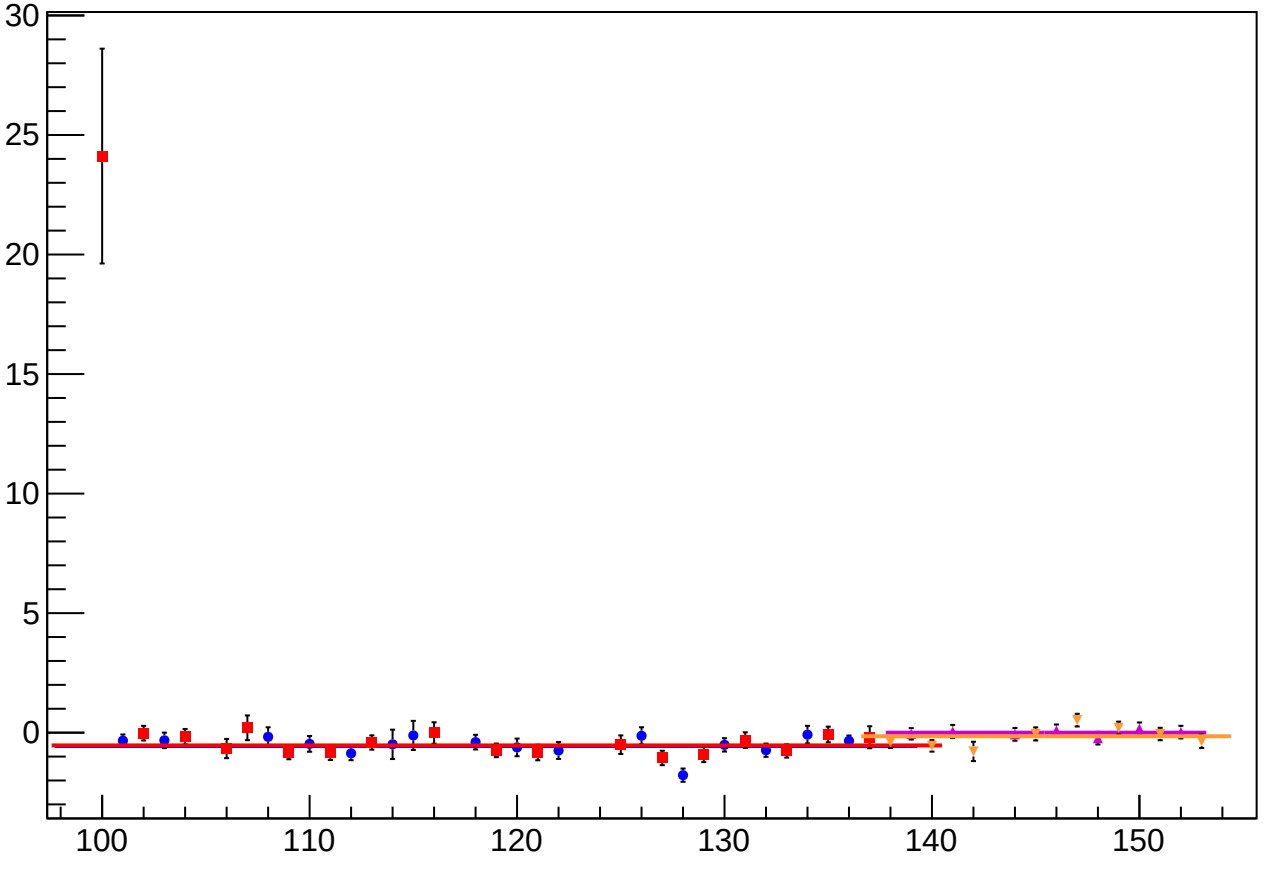
Left In: -0.141+/-0.068 χ^2/NDF:8.5/6

+ sign -0.025+/-0.049 χ^2/NDF: 37.5/23

All: -0.069+/-0.035 χ^2/NDF: 75.8/48

- sign -0.116+/-0.050 χ^2/NDF: 36.6/24

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.150+/-0.096 χ^2/NDF:15.1/7

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

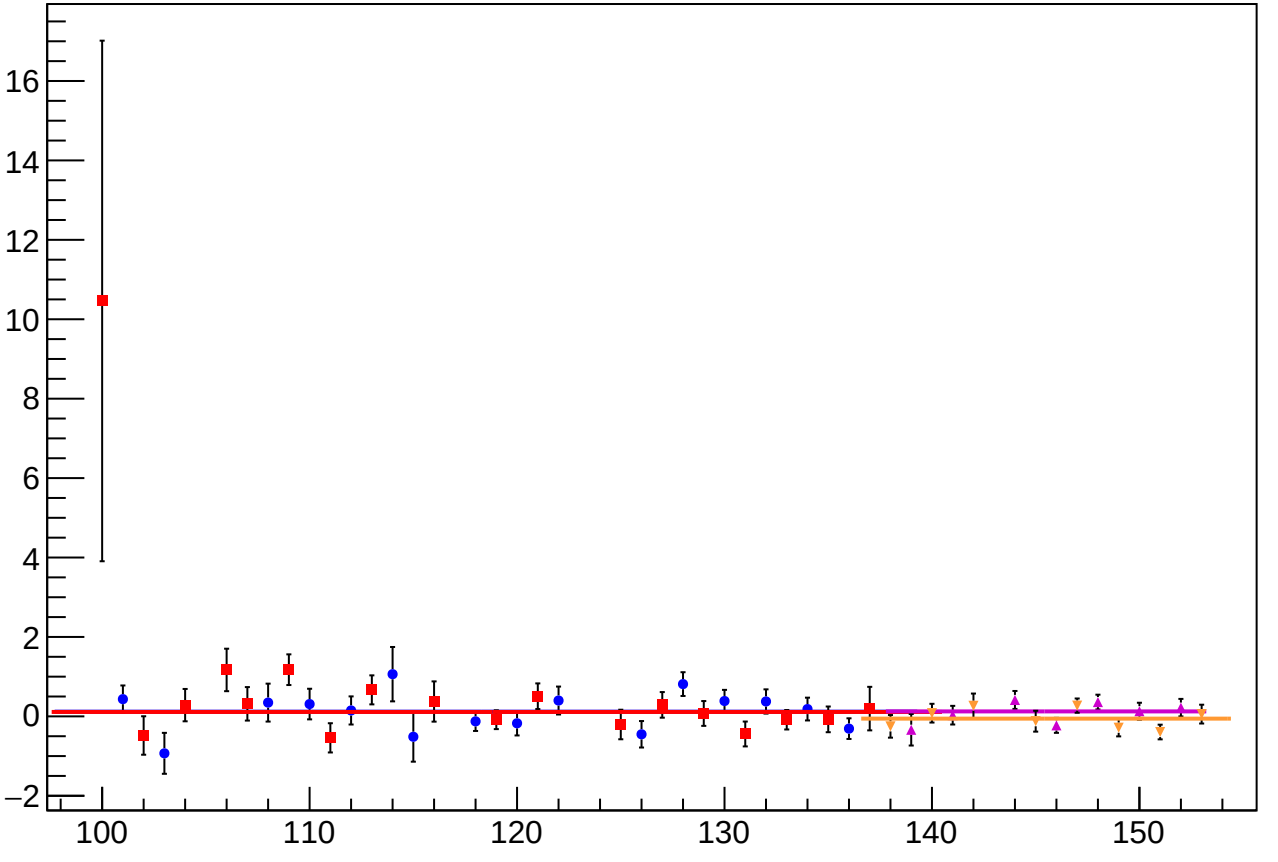
Left In: -0.001+/-0.098 χ^2/NDF:1.5/6

+ sign -0.392+/-0.061 χ^2/NDF: 54.1/23

All: -0.356+/-0.044 χ^2/NDF: 123.1/48

- sign -0.319+/-0.062 χ^2/NDF: 68.2/24

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.057+/-0.080 χ^2/NDF:10.0/7

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

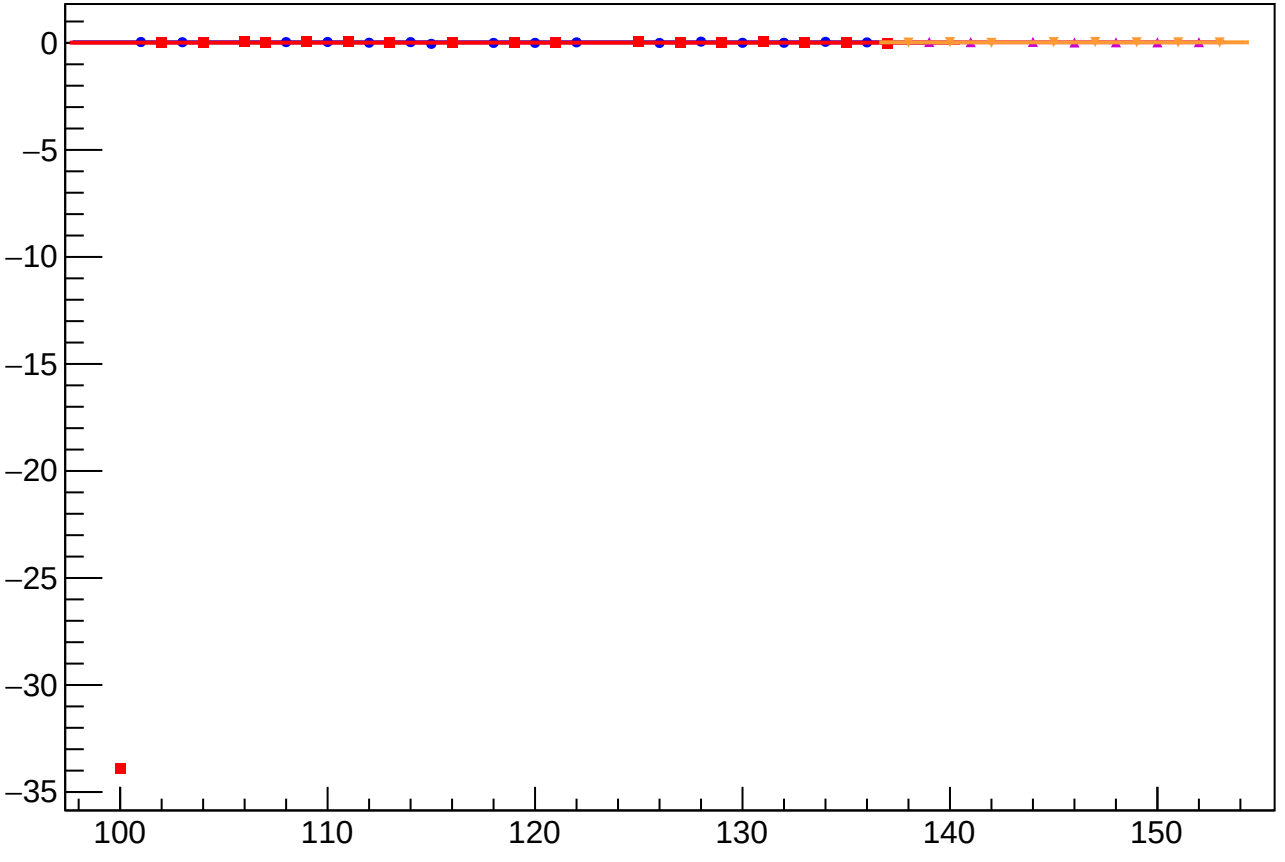
Left In: 0.125+/-0.083 χ^2/NDF:8.4/6

+ sign 0.027+/-0.058 χ^2/NDF: 35.8/23

All: 0.071+/-0.042 χ^2/NDF: 74.5/48

- sign 0.118+/-0.059 χ^2/NDF: 37.4/24

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.027+/-0.004 χ^2/NDF:7.6/7

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

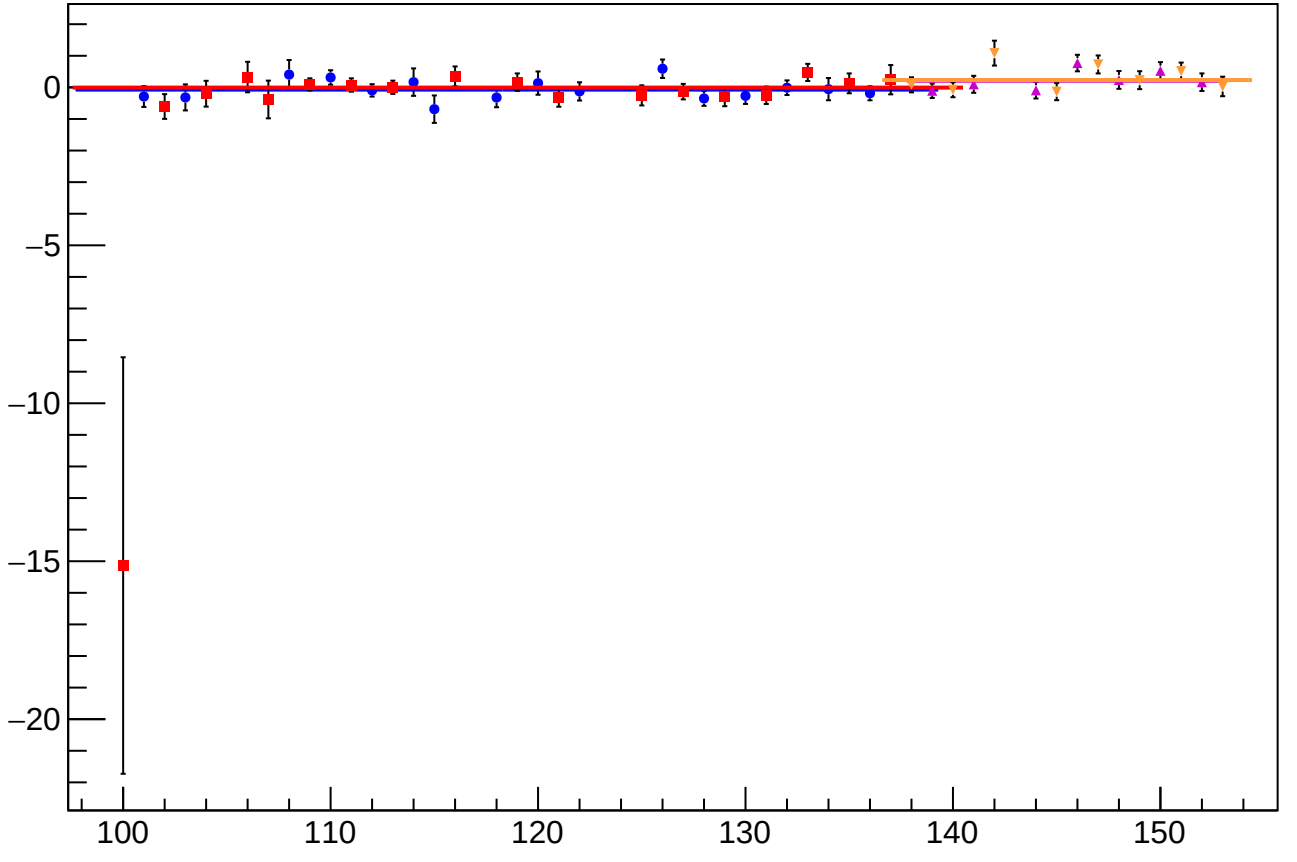
Left In: 0.034+/-0.004 χ^2/NDF:4.7/6

+ sign 0.027+/-0.003 χ^2/NDF: 22.3/23

All: 0.026+/-0.002 χ^2/NDF: 22302.0/48

- sign 0.025+/-0.003 χ^2/NDF: 22279.5/24

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.231+/-0.098 χ^2/NDF:13.2/7

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

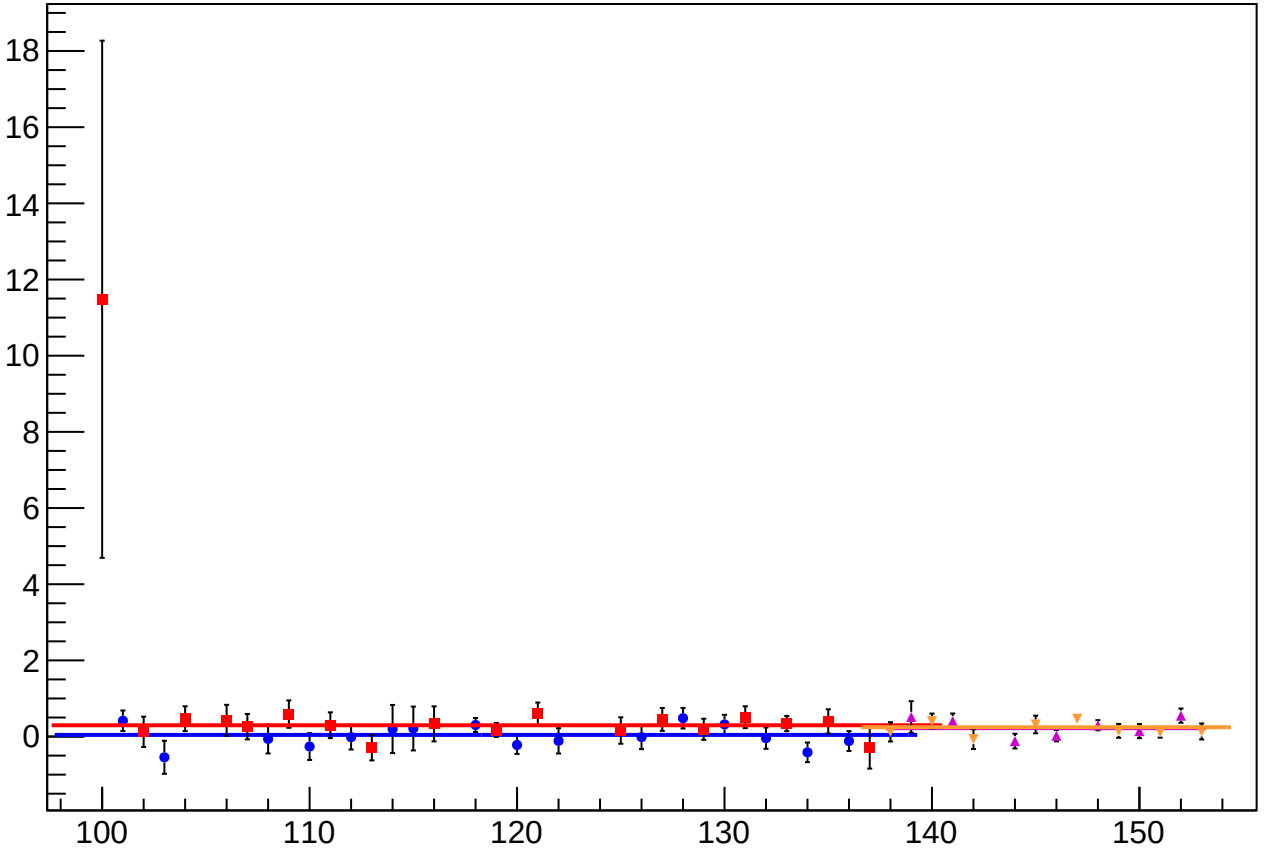
Left In: 0.210+/-0.100 χ^2/NDF:9.3/6

+ sign 0.034+/-0.058 χ^2/NDF: 34.9/23

All: 0.050+/-0.041 χ^2/NDF: 65.7/48

- sign 0.064+/-0.057 χ^2/NDF: 30.7/24

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.245+/-0.065 χ^2/NDF:6.7/7

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

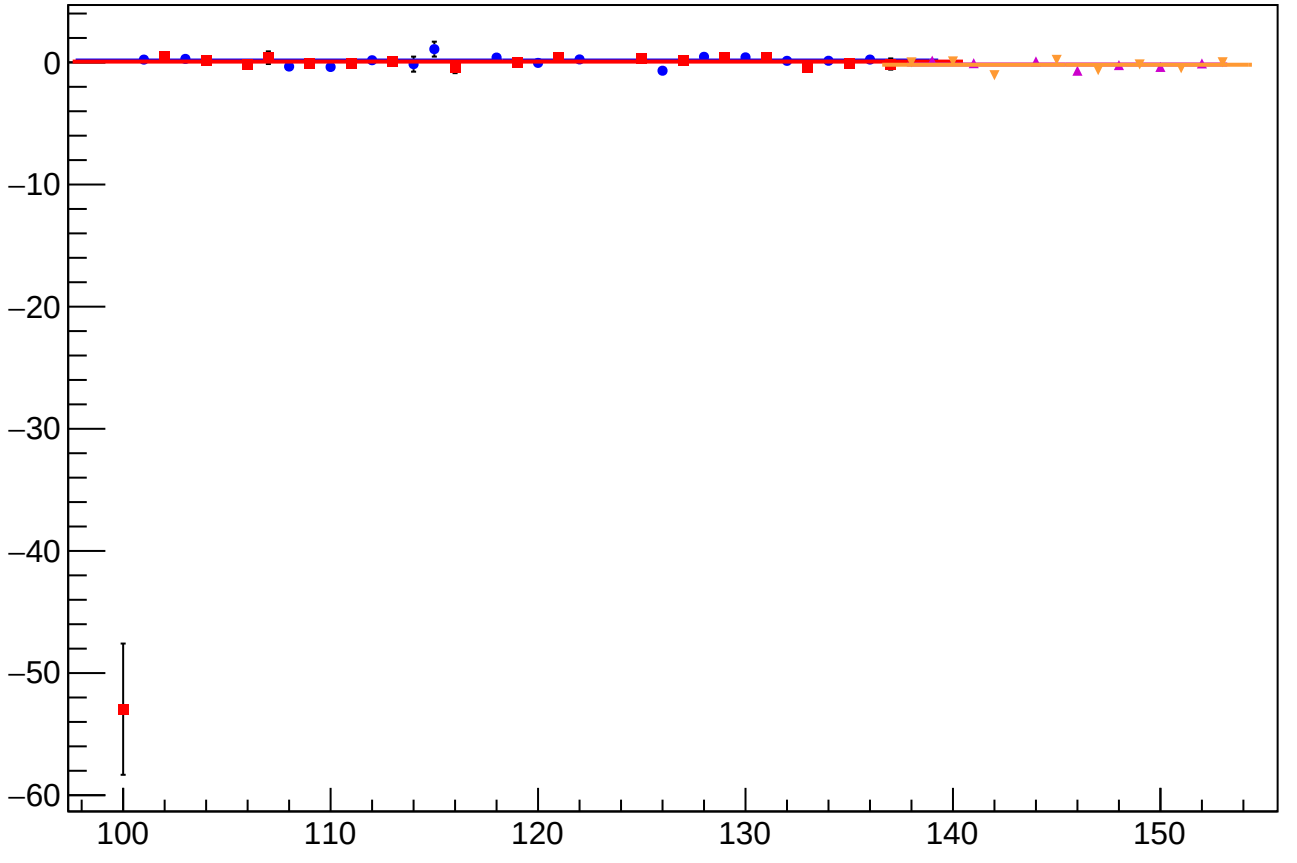
Left In: 0.220+/-0.068 χ^2/NDF:9.9/6

+ sign 0.156+/-0.049 χ^2/NDF: 26.7/23

All: 0.204+/-0.035 χ^2/NDF: 50.2/48

- sign 0.255+/-0.050 χ^2/NDF: 21.4/24

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.192+/-0.096 χ^2/NDF:13.0/7

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

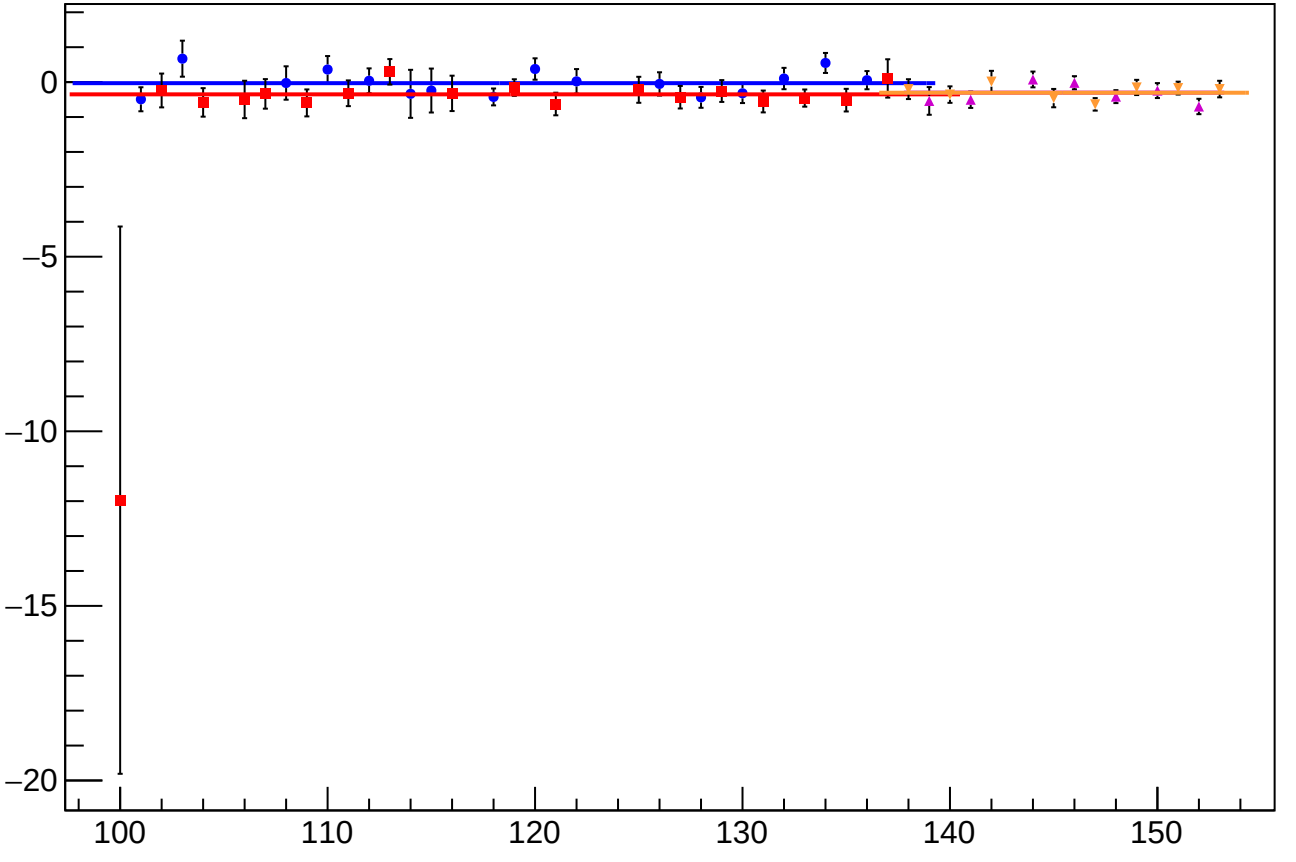
Left In: -0.172+/-0.098 χ^2/NDF:7.6/6

+ sign 0.013+/-0.061 χ^2/NDF: 36.2/23

All: -0.008+/-0.044 χ^2/NDF: 156.9/48

- sign -0.030+/-0.062 χ^2/NDF: 120.4/24

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.304+/-0.080 χ^2/NDF:6.2/7

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

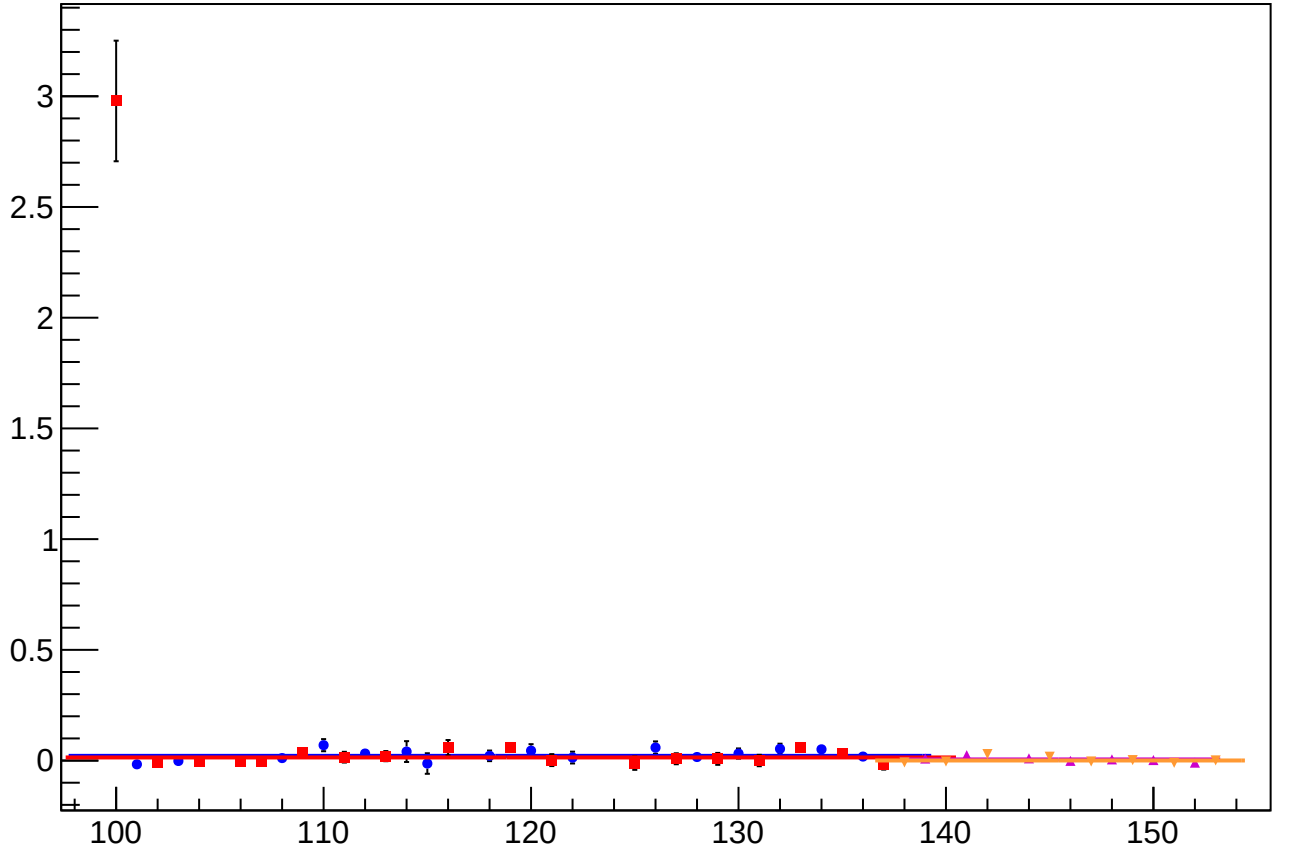
Left In: -0.302+/-0.083 χ^2/NDF:9.8/6

+ sign -0.173+/-0.058 χ^2/NDF: 28.5/23

All: -0.247+/-0.042 χ^2/NDF: 51.4/48

- sign -0.326+/-0.059 χ^2/NDF: 19.4/24

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.000+/-0.004 χ^2/NDF:7.7/7

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

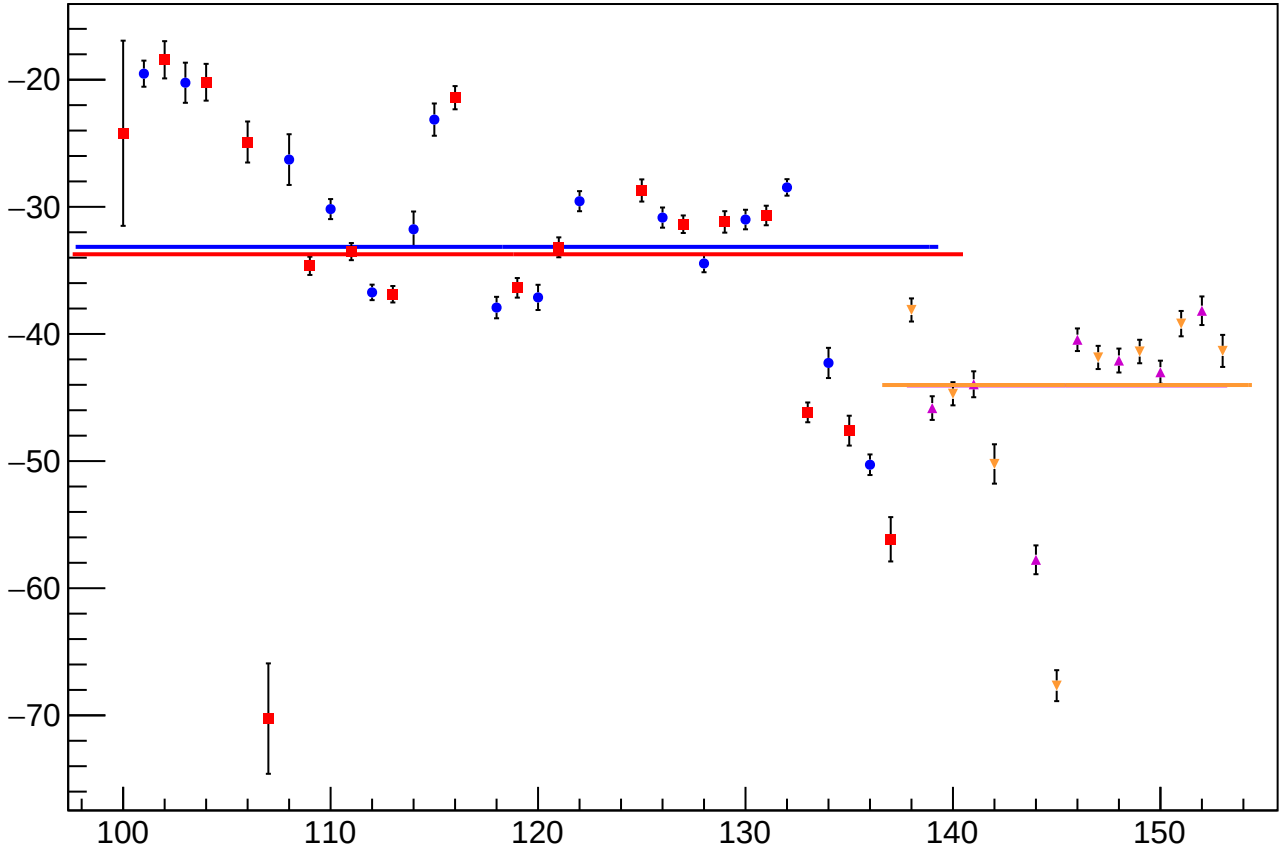
Left In: 0.005+/-0.004 χ^2/NDF:6.1/6

+ sign 0.009+/-0.003 χ^2/NDF: 41.6/23

All: 0.009+/-0.002 χ^2/NDF: 190.6/48

- sign 0.009+/-0.003 χ^2/NDF: 149.0/24

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -44.016+/-0.365 χ^2/NDF:477.9/7

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

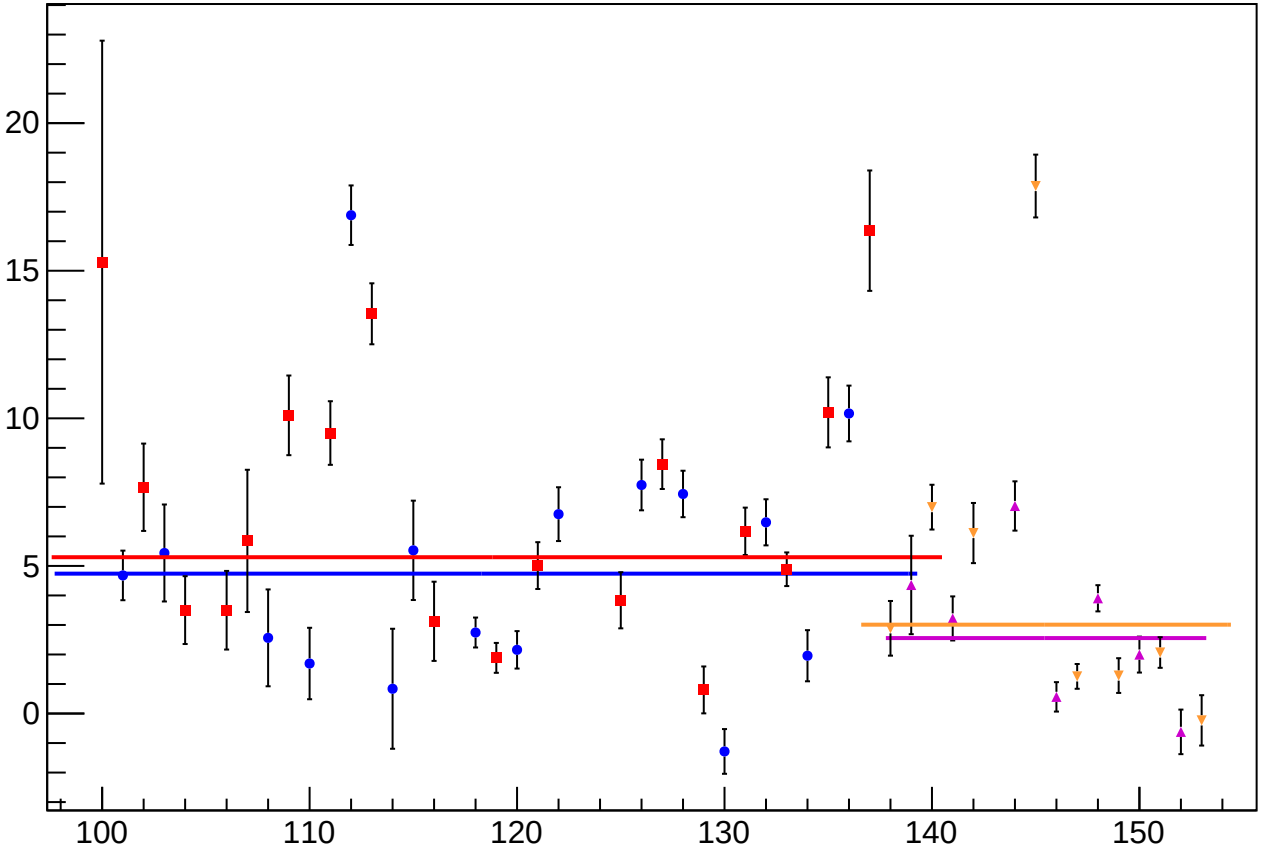
Left In: -44.045+/-0.370 χ^2/NDF:199.3/6

+ sign -36.007+/-0.187 χ^2/NDF: 2145.7/23

All: -36.168+/-0.132 χ^2/NDF: 4075.1/48

- sign -36.327+/-0.186 χ^2/NDF: 1927.9/24

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 3.010+/-0.233 χ^2/NDF:275.6/7

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

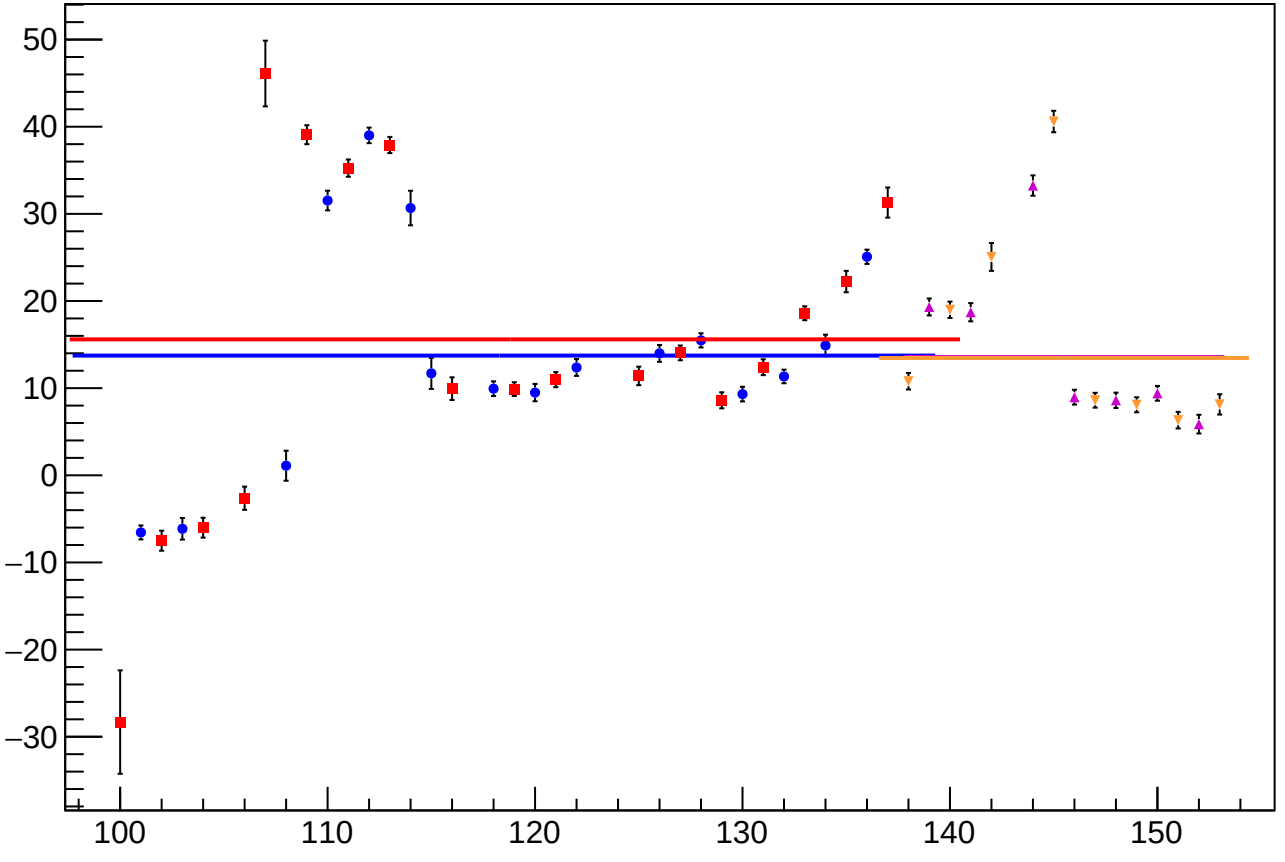
Left In: 2.556+/-0.242 χ^2/NDF:74.4/6

+ sign 3.927+/-0.160 χ^2/NDF: 634.4/23

All: 3.979+/-0.114 χ^2/NDF: 1023.4/48

- sign 4.033+/-0.164 χ^2/NDF: 388.8/24

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 13.465+/-0.357 χ^2/NDF:728.7/7

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

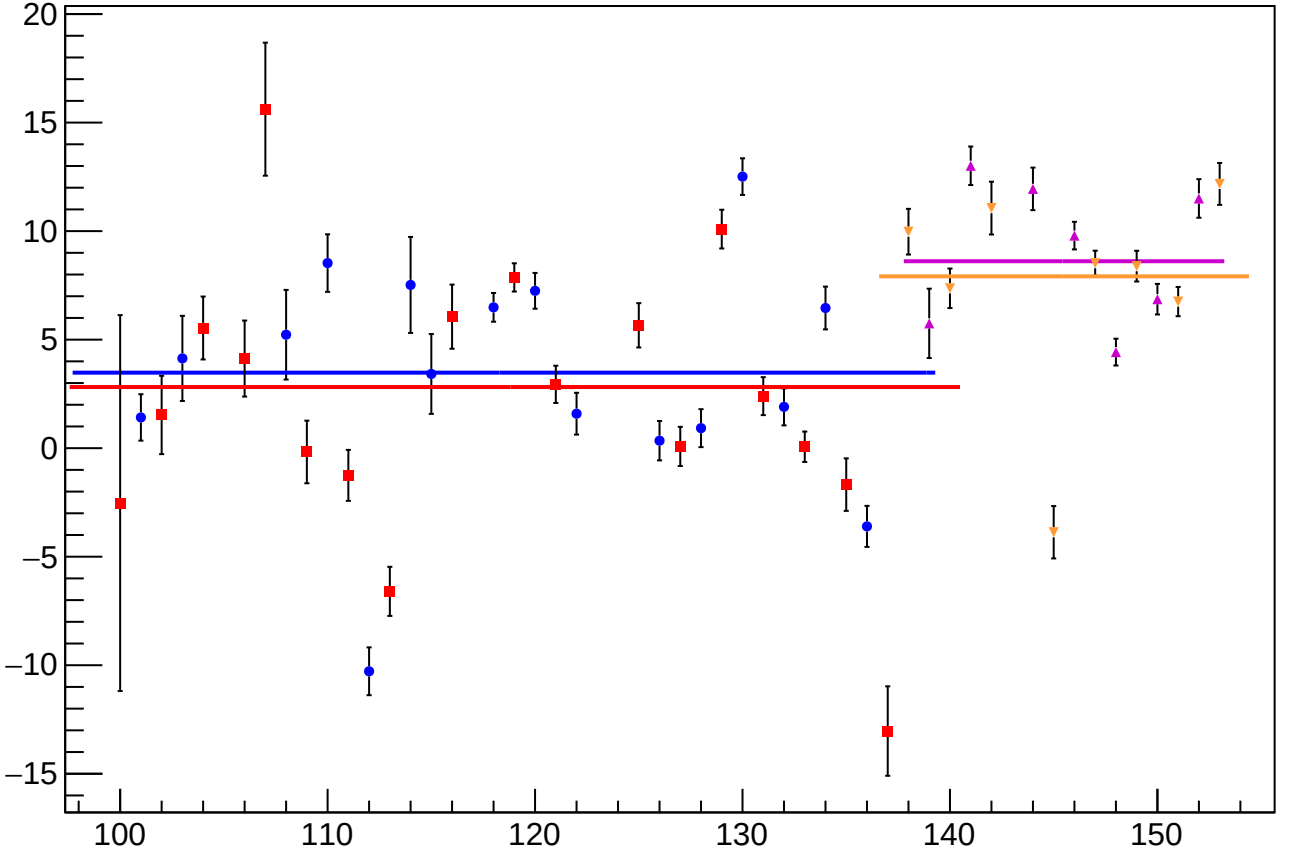
Left In: 13.571+/-0.362 χ^2/NDF:480.1/6

+ sign 13.650+/-0.203 χ^2/NDF: 3079.0/23

All: 14.288+/-0.144 χ^2/NDF: 6426.7/48

- sign 14.944+/-0.206 χ^2/NDF: 3327.6/24

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 7.916+/-0.292 χ^2/NDF:130.4/7

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

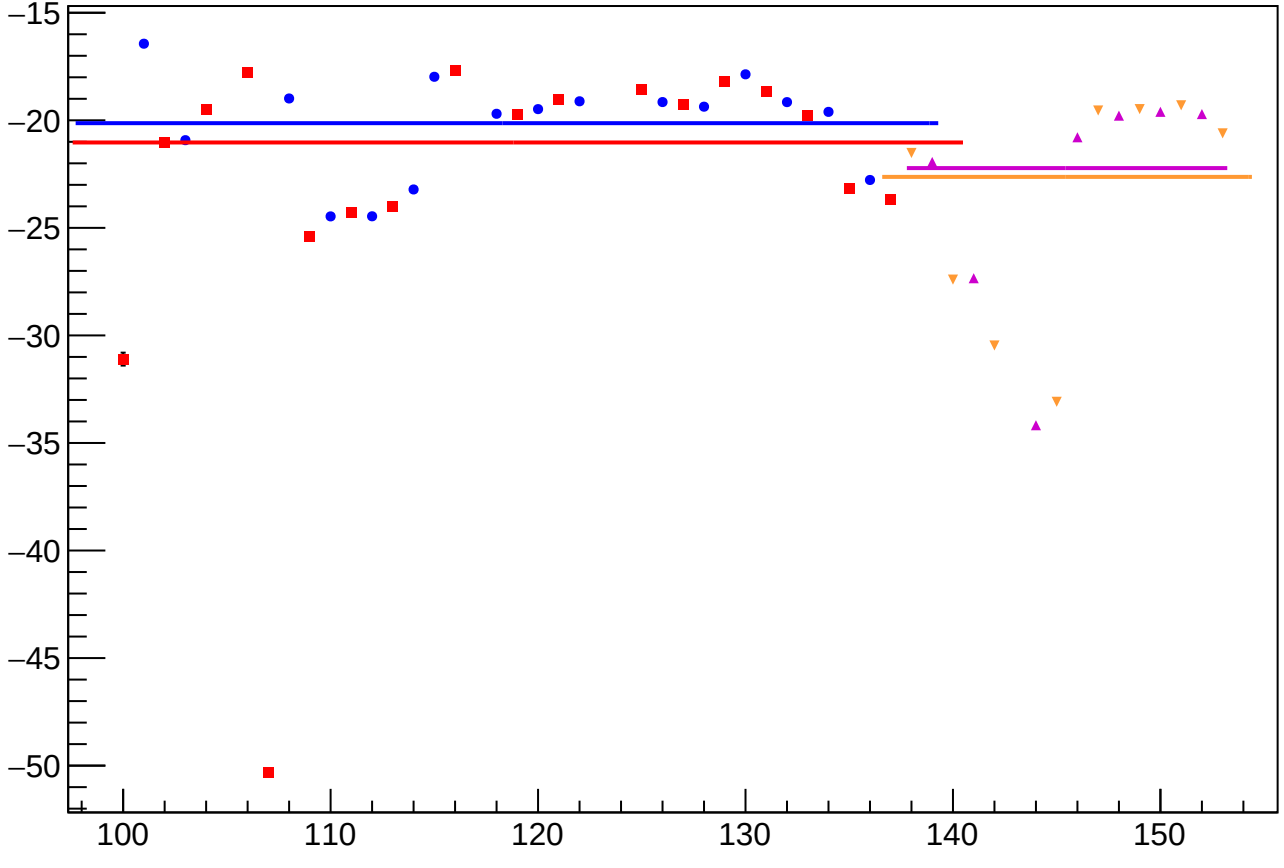
Left In: 8.613+/-0.300 χ^2/NDF:105.5/6

+ sign 5.391+/-0.191 χ^2/NDF: 689.9/23

All: 5.332+/-0.137 χ^2/NDF: 1355.6/48

- sign 5.269+/-0.195 χ^2/NDF: 665.5/24

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -22.630+/-0.015 χ^2/NDF:99236.7/7

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

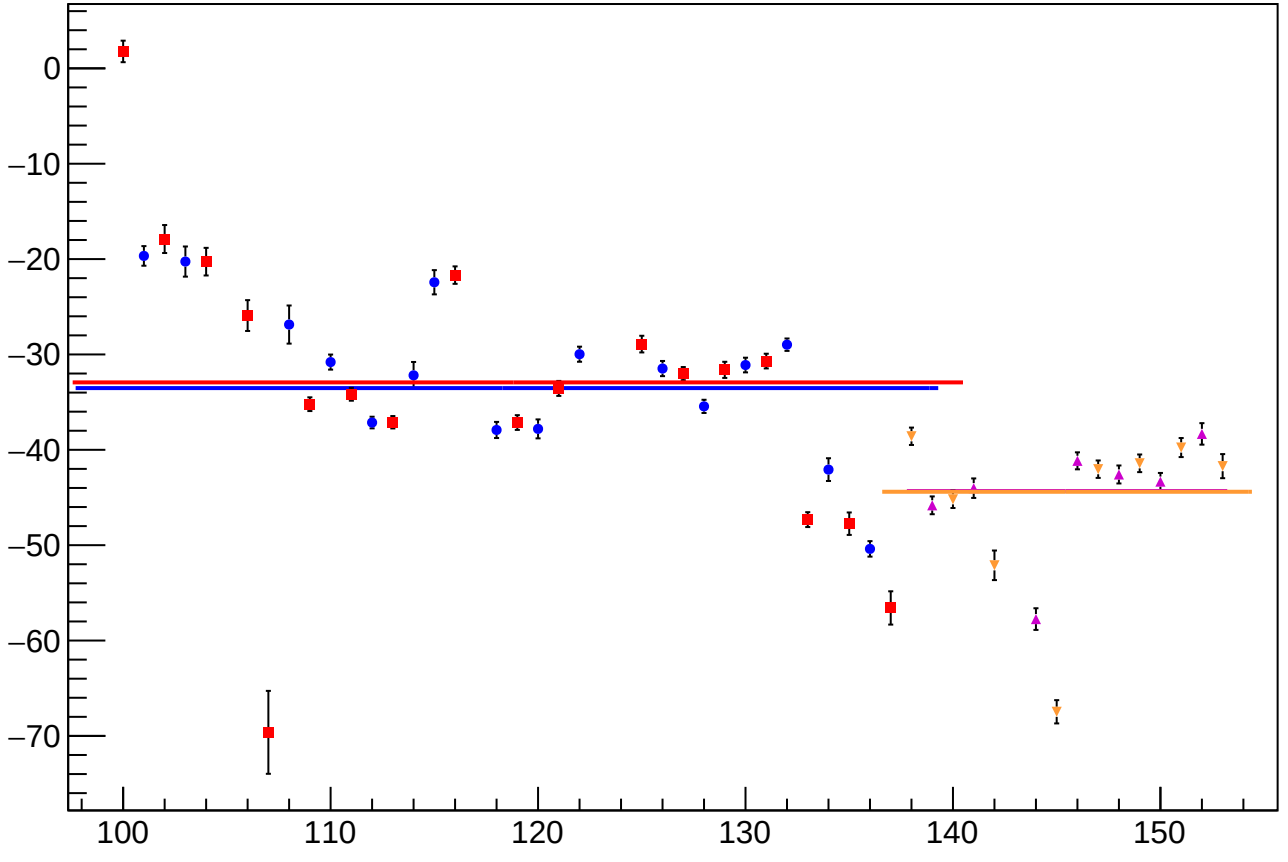
Left In: -22.221+/-0.014 χ^2/NDF:82589.4/6

+ sign -21.502+/-0.011 χ^2/NDF: 132396.3/23

All: -21.602+/-0.008 χ^2/NDF: 275644.2/48

- sign -21.704+/-0.011 χ^2/NDF: 143073.8/24

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -44.398+/-0.365 χ^2/NDF:467.0/7

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

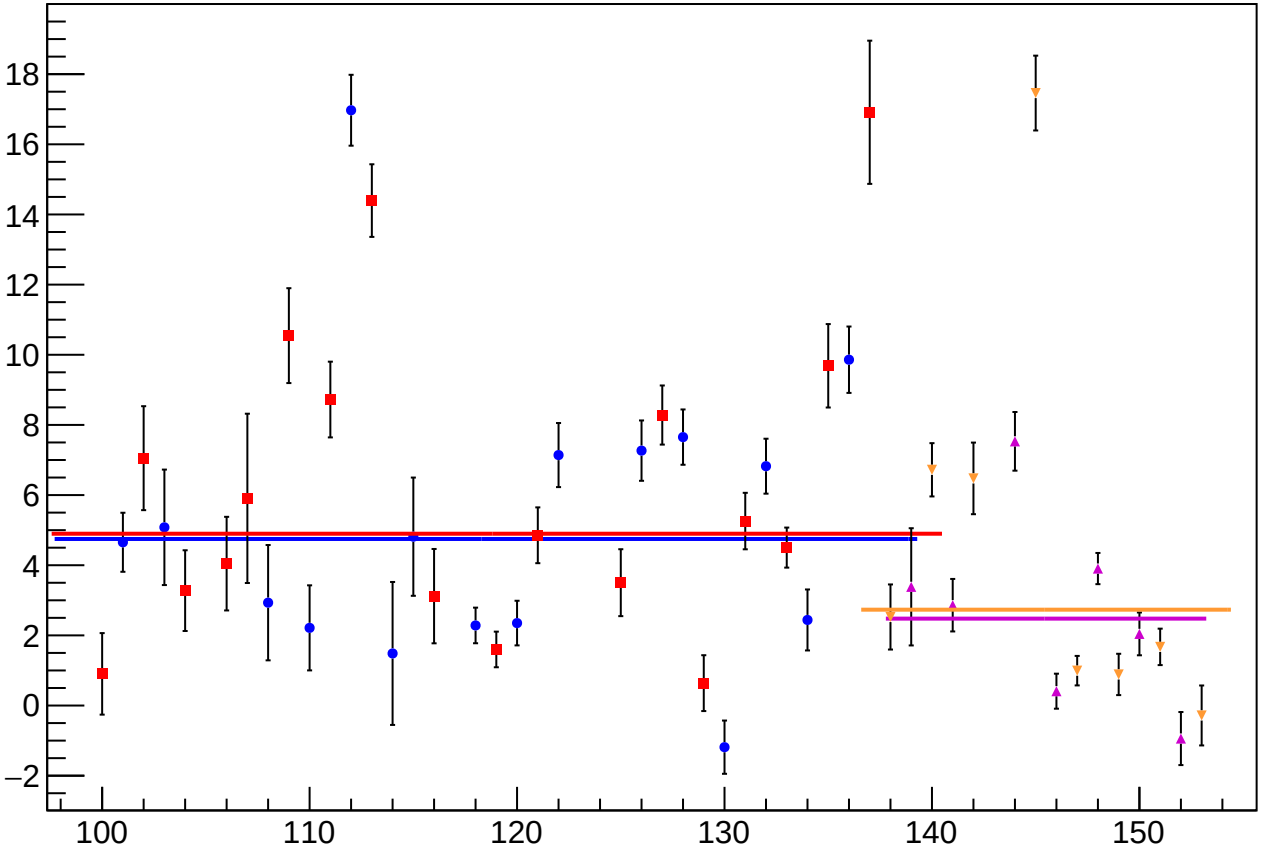
Left In: -44.321+/-0.371 χ^2/NDF:187.9/6

+ sign -36.389+/-0.188 χ^2/NDF: 2127.4/23

All: -36.051+/-0.131 χ^2/NDF: 5202.7/48

- sign -35.725+/-0.184 χ^2/NDF: 3068.9/24

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 2.733+/-0.233 χ^2/NDF:275.3/7

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

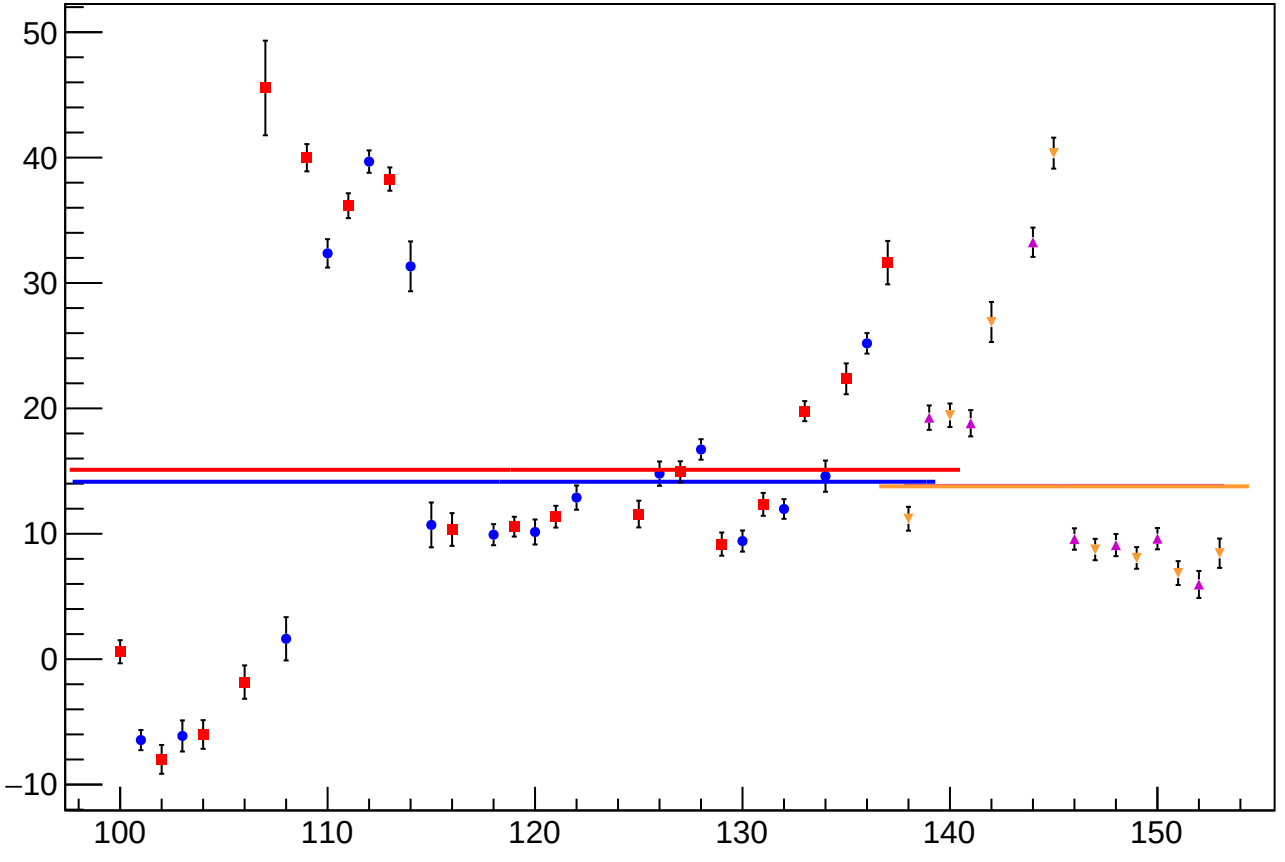
Left In: 2.478+/-0.242 χ^2/NDF:85.5/6

+ sign 3.802+/-0.160 χ^2/NDF: 640.5/23

All: 3.803+/-0.114 χ^2/NDF: 1053.9/48

- sign 3.804+/-0.163 χ^2/NDF: 413.4/24

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 13.783+/-0.357 χ^2/NDF:726.2/7

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

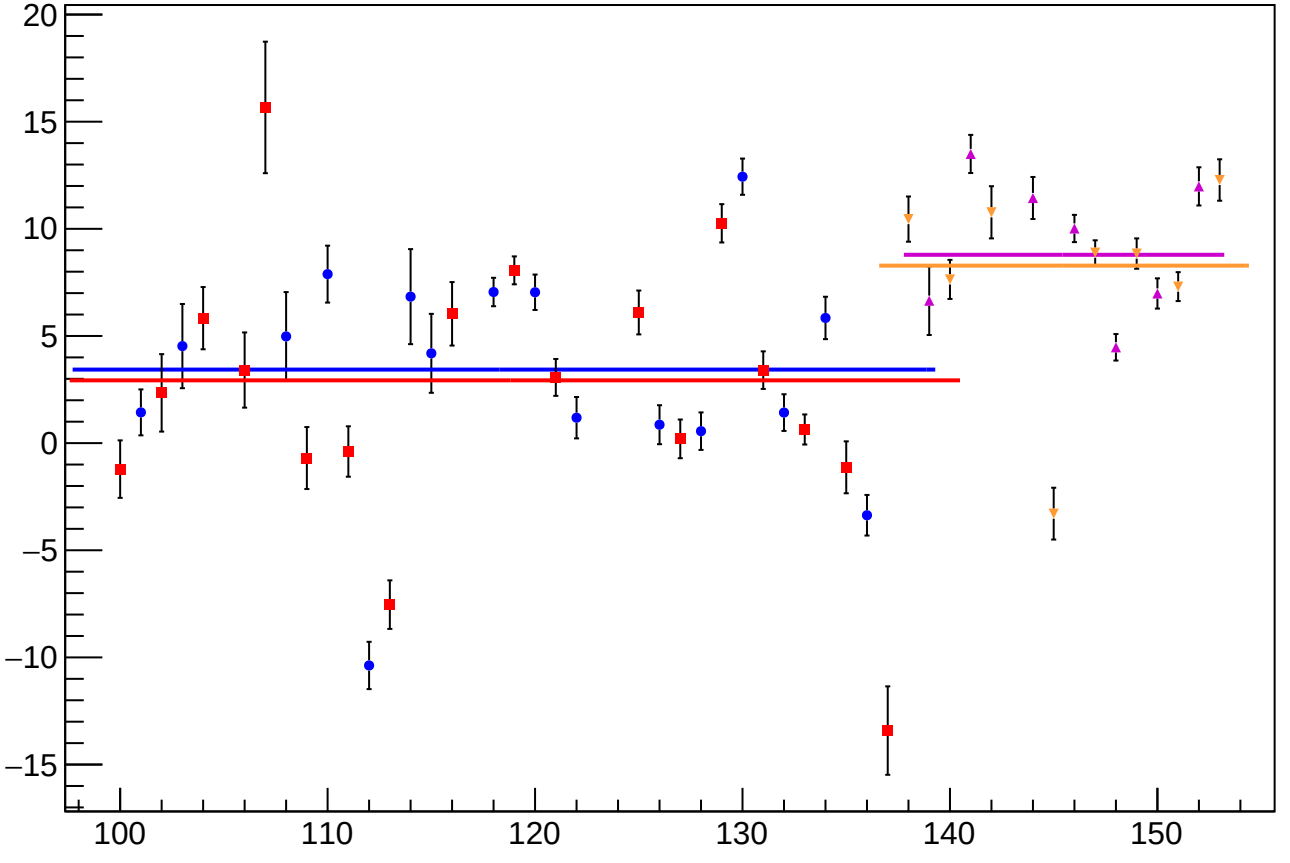
Left In: 13.817+/-0.363 χ^2/NDF:461.6/6

+ sign 14.031+/-0.203 χ^2/NDF: 3129.3/23

All: 14.372+/-0.143 χ^2/NDF: 6707.4/48

- sign 14.707+/-0.201 χ^2/NDF: 3572.6/24

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.283+/-0.292 χ^2/NDF:121.4/7

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

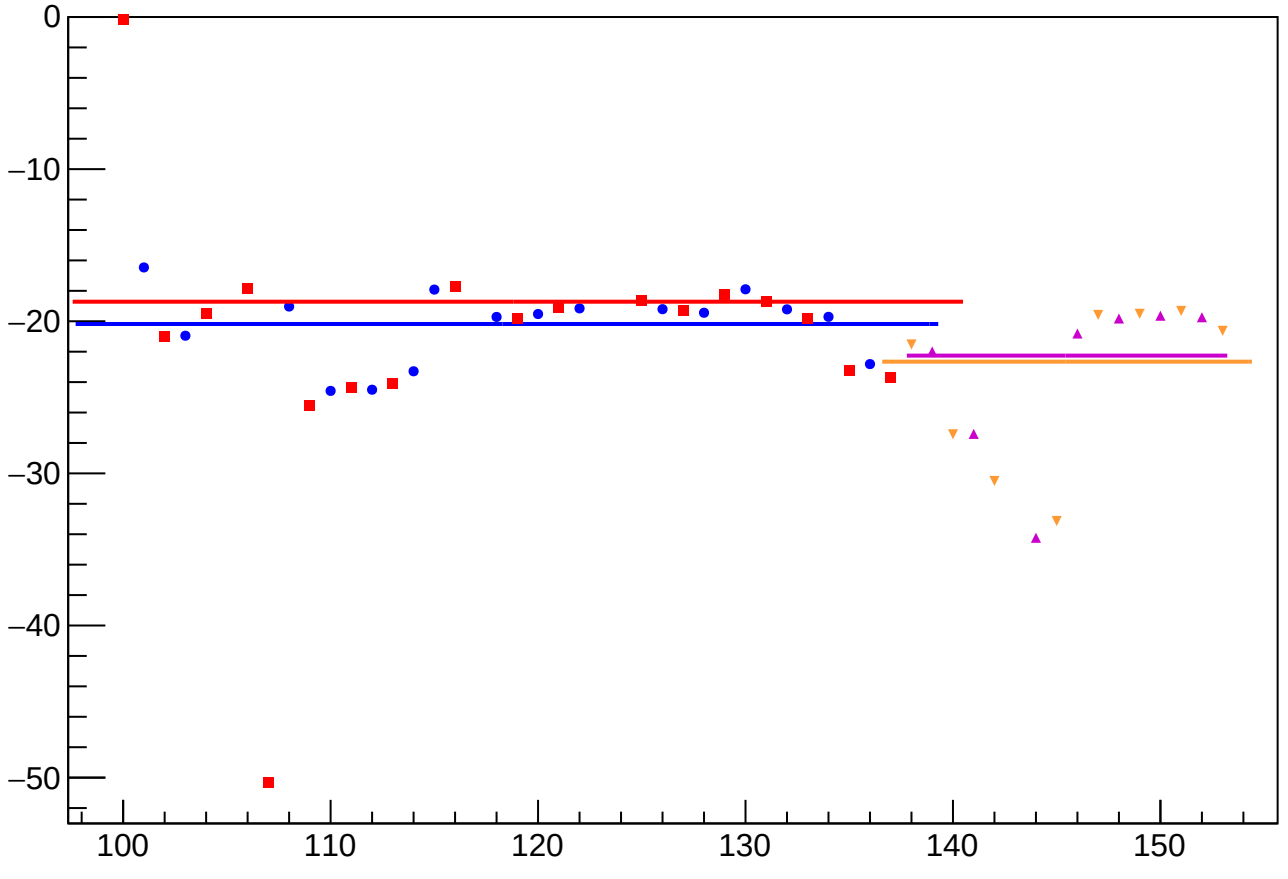
Left In: 8.788+/-0.301 χ^2/NDF:108.8/6

+ sign 5.523+/-0.192 χ^2/NDF: 702.5/23

All: 5.442+/-0.136 χ^2/NDF: 1401.3/48

- sign 5.359+/-0.194 χ^2/NDF: 698.5/24

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.656+/-0.015 χ^2/NDF:99047.8/7

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

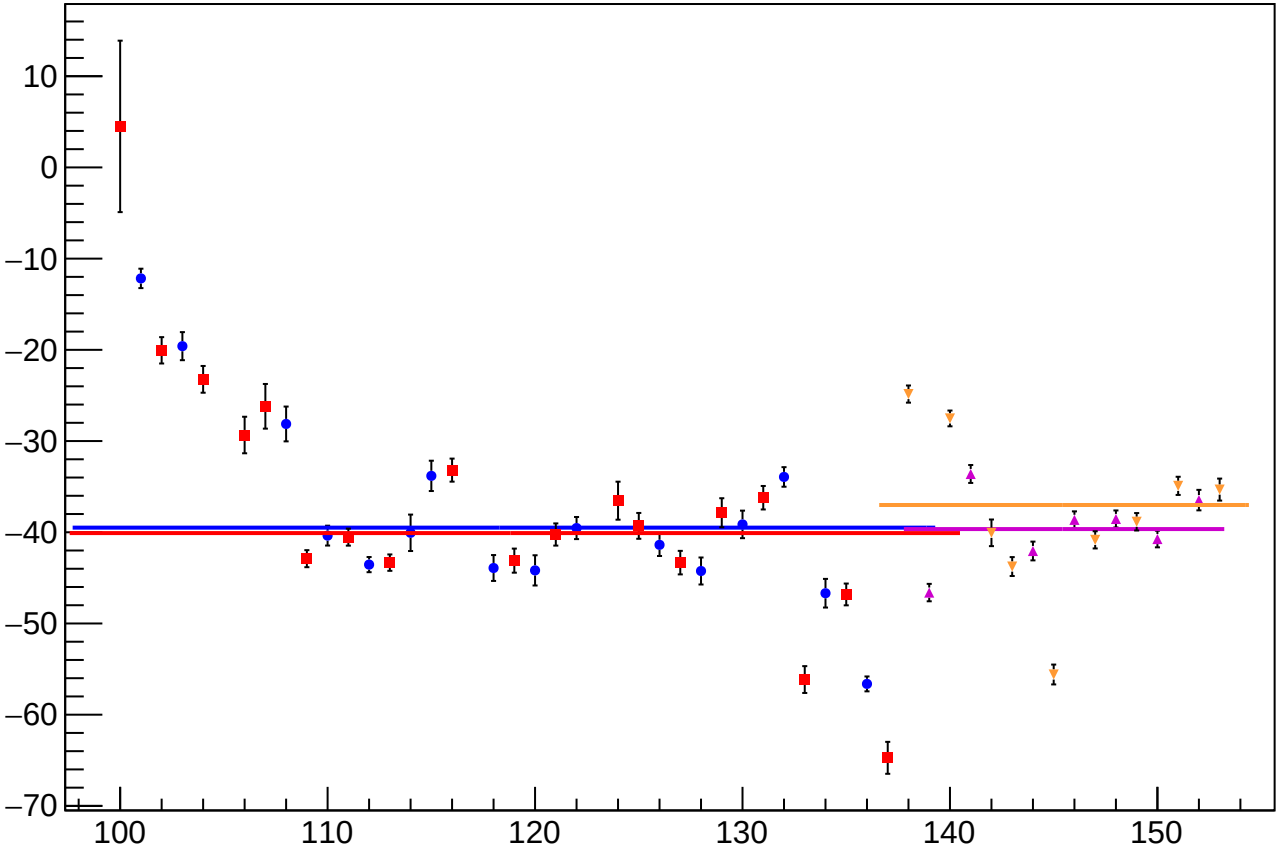
Left In: -22.258+/-0.014 χ^2/NDF:82730.2/6

+ sign -21.538+/-0.011 χ^2/NDF: 131949.1/23

All: -21.069+/-0.008 χ^2/NDF: 480896.6/48

- sign -20.617+/-0.011 χ^2/NDF: 345236.8/24

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.011+/-0.340 χ^2/NDF:652.4/8

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

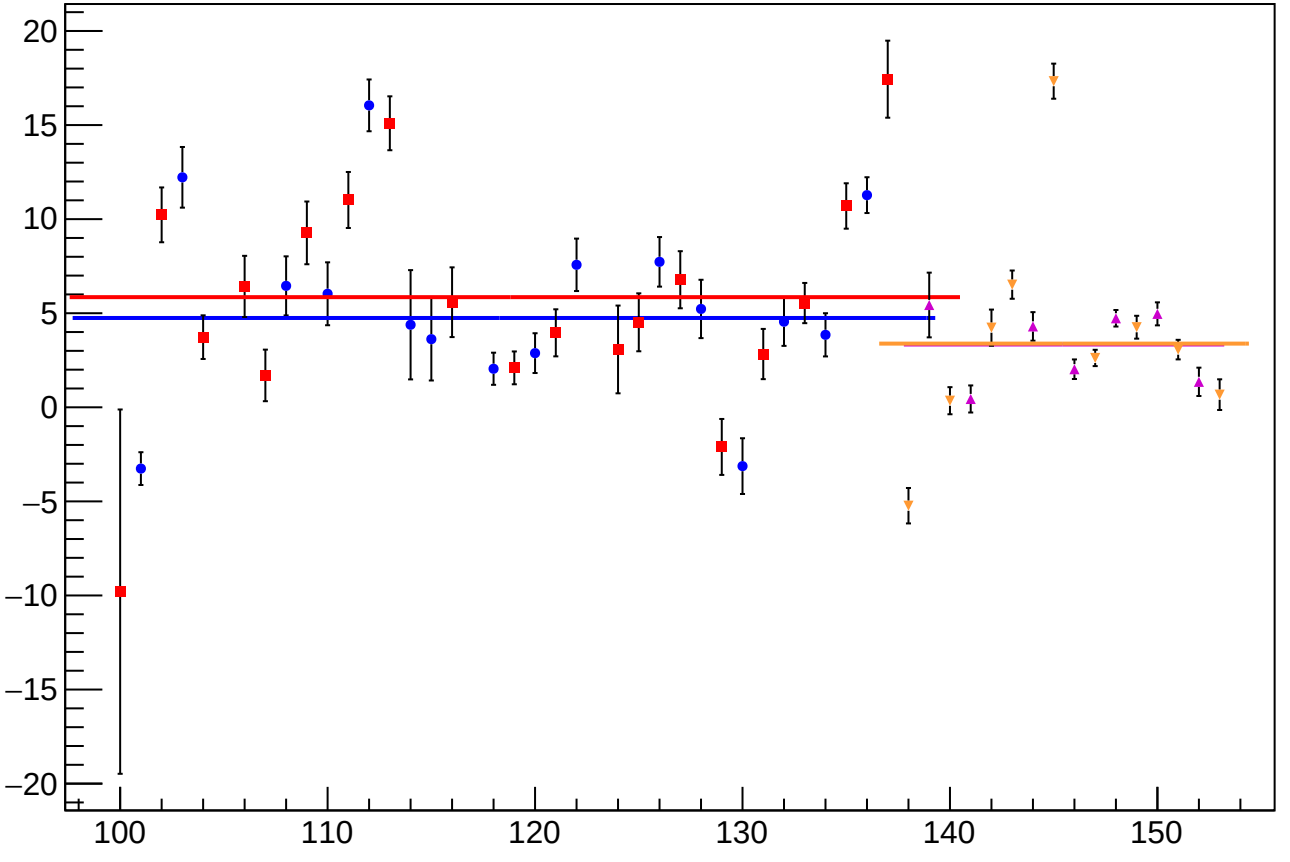
Left In: -39.650+/-0.368 χ^2/NDF:108.4/6

+ sign -38.365+/-0.229 χ^2/NDF: 2098.4/24

All: -39.116+/-0.164 χ^2/NDF: 3064.7/50

- sign -39.909+/-0.236 χ^2/NDF: 944.2/25

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 3.385+/-0.222 χ^2/NDF:360.0/8

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

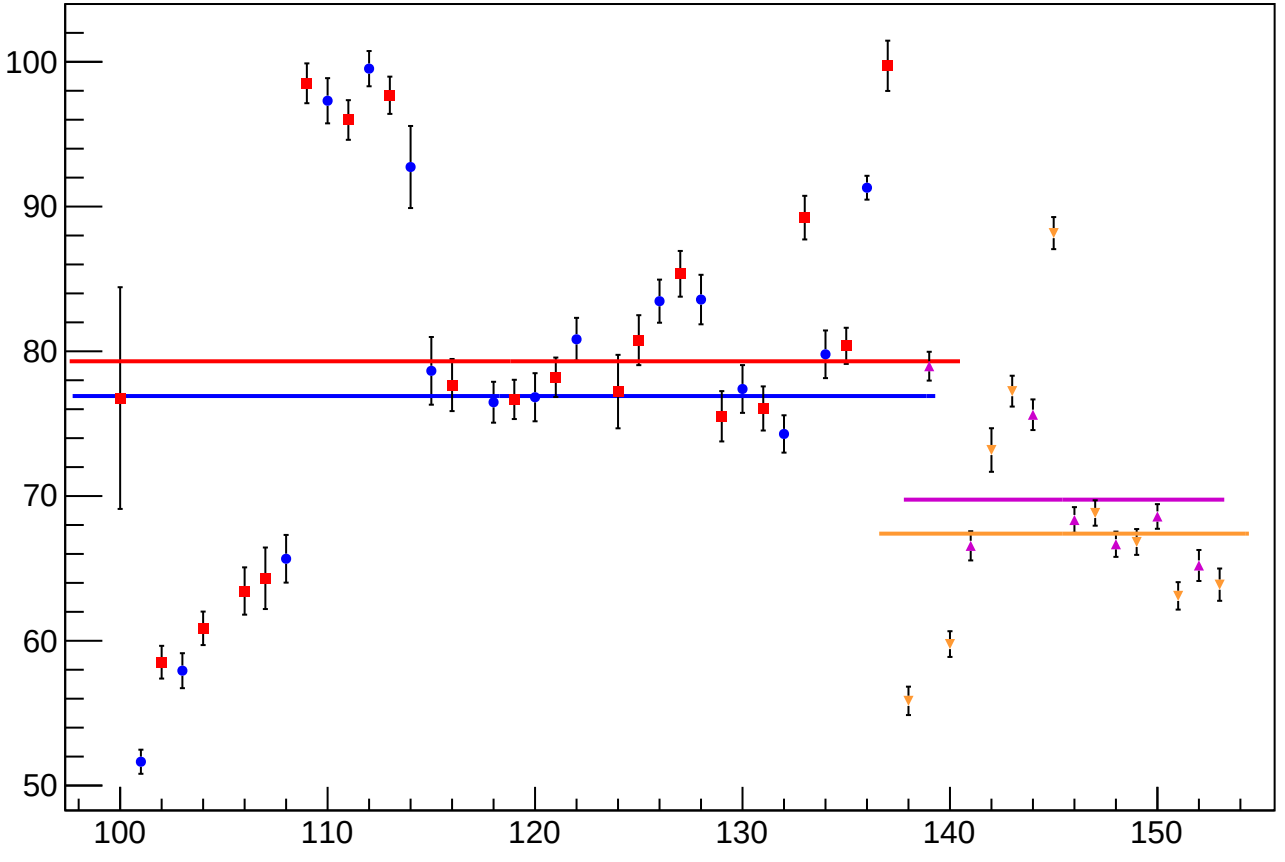
Left In: 3.338+/-0.240 χ^2/NDF:49.8/6

+ sign 3.835+/-0.182 χ^2/NDF: 646.2/24

All: 4.021+/-0.132 χ^2/NDF: 924.8/50

- sign 4.231+/-0.193 χ^2/NDF: 276.3/25

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 67.403+/-0.335 χ^2/NDF:697.0/8

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

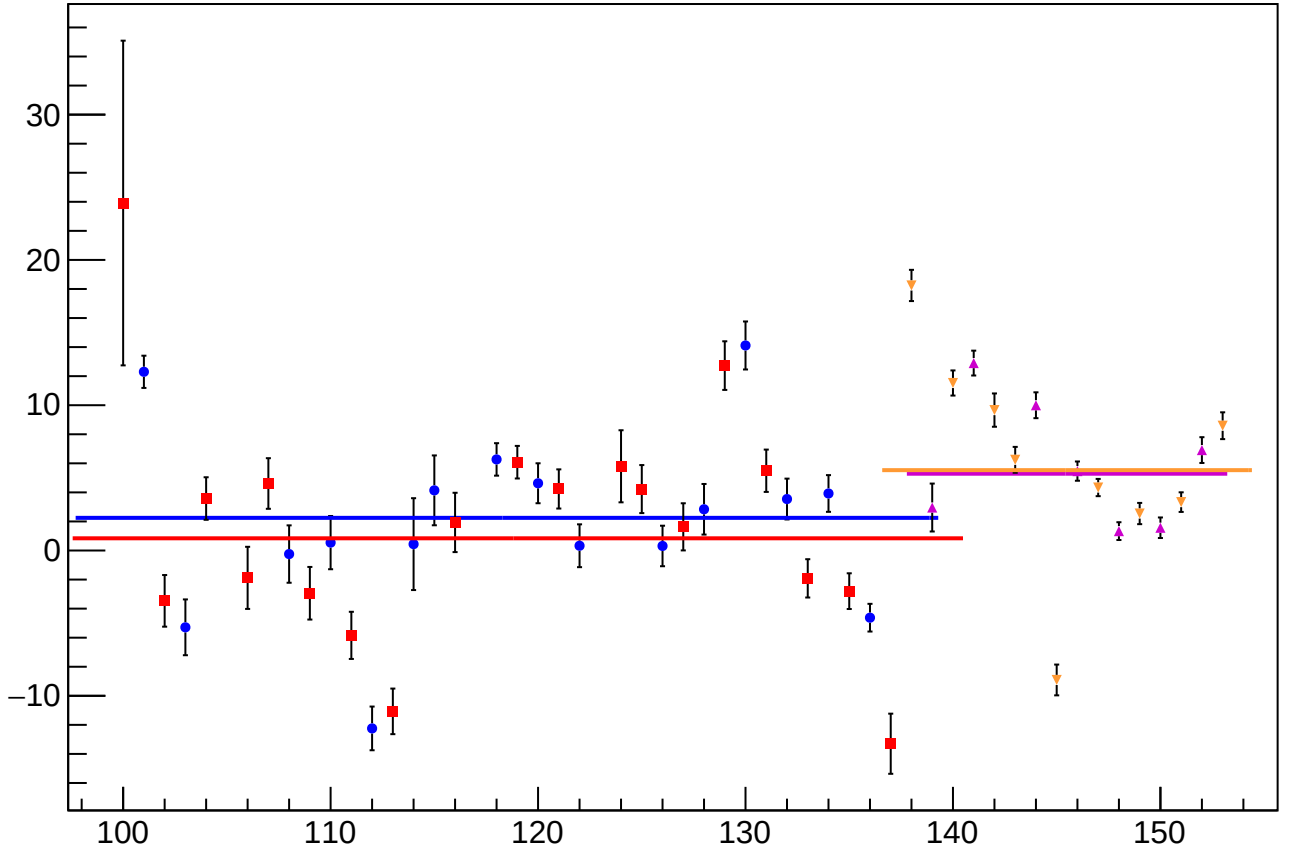
Left In: 69.751+/-0.360 χ^2/NDF:161.4/6

+ sign 72.130+/-0.238 χ^2/NDF: 3213.3/24

All: 73.347+/-0.172 χ^2/NDF: 5291.0/50

- sign 74.696+/-0.250 χ^2/NDF: 2022.3/25

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 5.531+/-0.275 χ^2/NDF:429.7/8

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

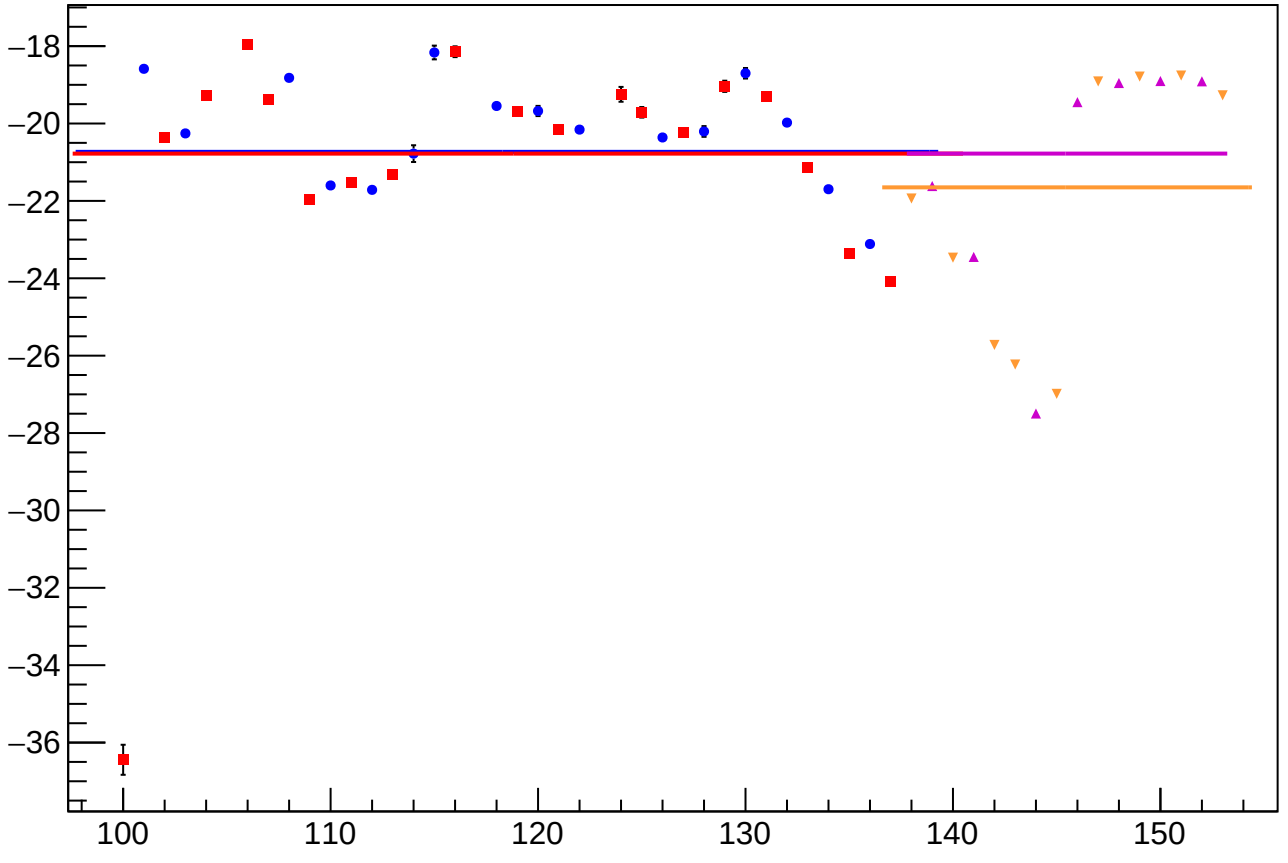
Left In: 5.286+/-0.299 χ^2/NDF:182.1/6

+ sign 4.333+/-0.219 χ^2/NDF: 801.2/24

All: 3.962+/-0.160 χ^2/NDF: 1332.5/50

- sign 3.544+/-0.233 χ^2/NDF: 525.2/25

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.650+/-0.014 χ^2/NDF:52583.5/8

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

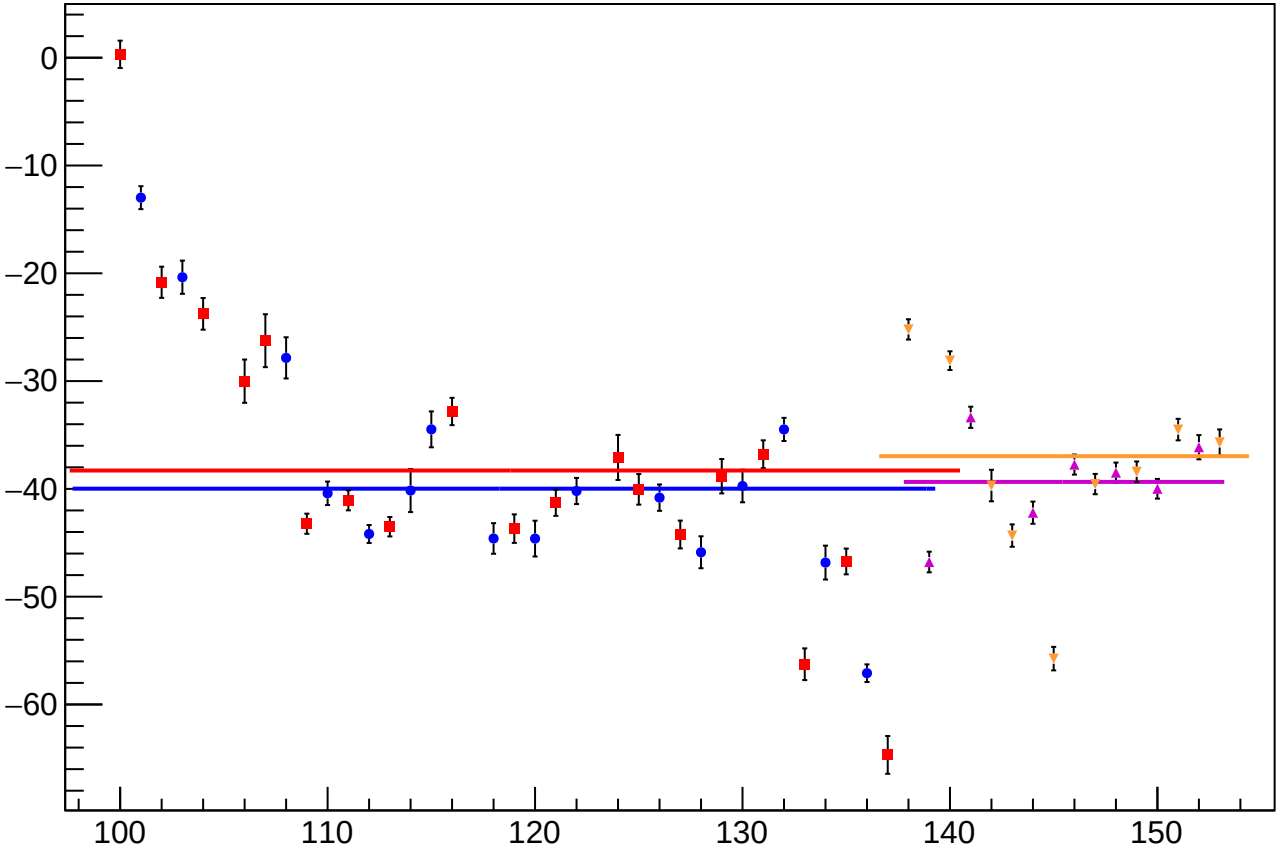
Left In: -20.778+/-0.014 χ^2/NDF:34013.0/6

+ sign -21.346+/-0.011 χ^2/NDF: 61709.9/24

All: -21.075+/-0.008 χ^2/NDF: 106379.5/50

- sign -20.778+/-0.012 χ^2/NDF: 43439.6/25

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -36.966+/-0.341 χ^2/NDF:628.0/8

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

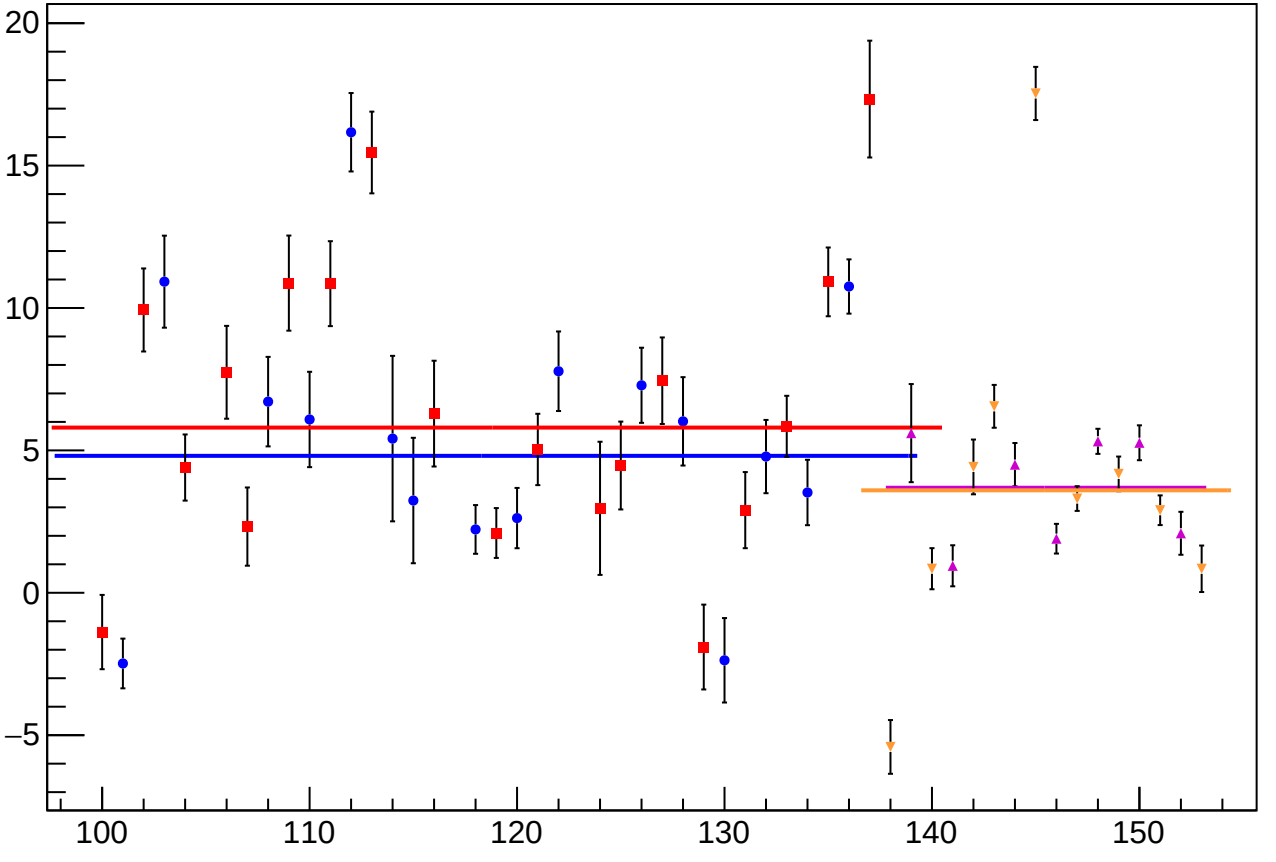
Left In: -39.354+/-0.369 χ^2/NDF:117.6/6

+ sign -38.610+/-0.230 χ^2/NDF: 2069.0/24

All: -38.662+/-0.163 χ^2/NDF: 3965.4/50

- sign -38.715+/-0.232 χ^2/NDF: 1896.3/25

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 3.597+/-0.222 χ^2/NDF:359.2/8

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

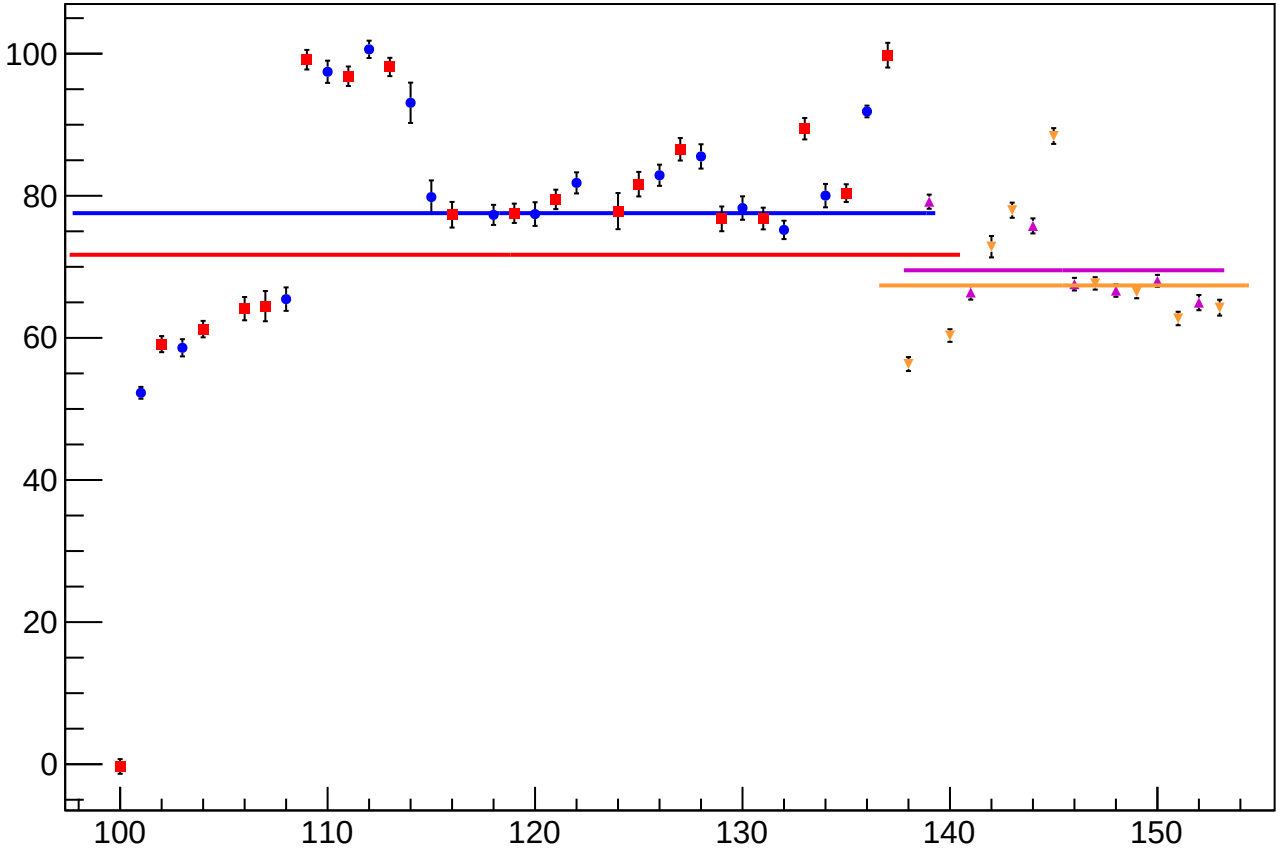
Left In: 3.688+/-0.241 χ^2/NDF:53.5/6

+ sign 3.998+/-0.182 χ^2/NDF: 609.5/24

All: 4.221+/-0.132 χ^2/NDF: 910.9/50

- sign 4.467+/-0.191 χ^2/NDF: 298.3/25

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 67.383+/-0.336 χ^2/NDF:692.8/8

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

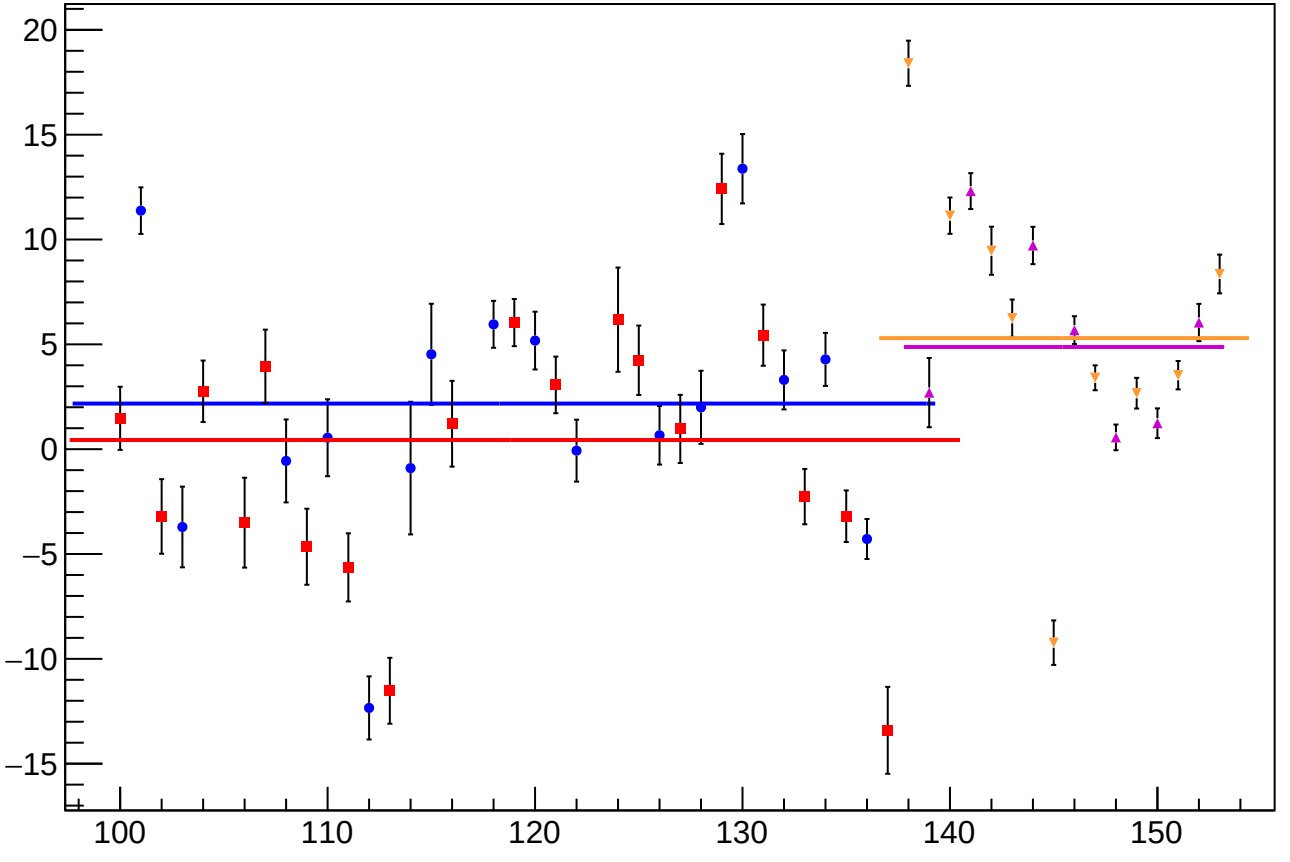
Left In: 69.514+/-0.361 χ^2/NDF:174.5/6

+ sign 72.441+/-0.238 χ^2/NDF: 3267.9/24

All: 71.592+/-0.170 χ^2/NDF: 10392.0/50

- sign 70.702+/-0.244 χ^2/NDF: 7098.0/25

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 5.298+/-0.276 χ^2/NDF:436.3/8

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

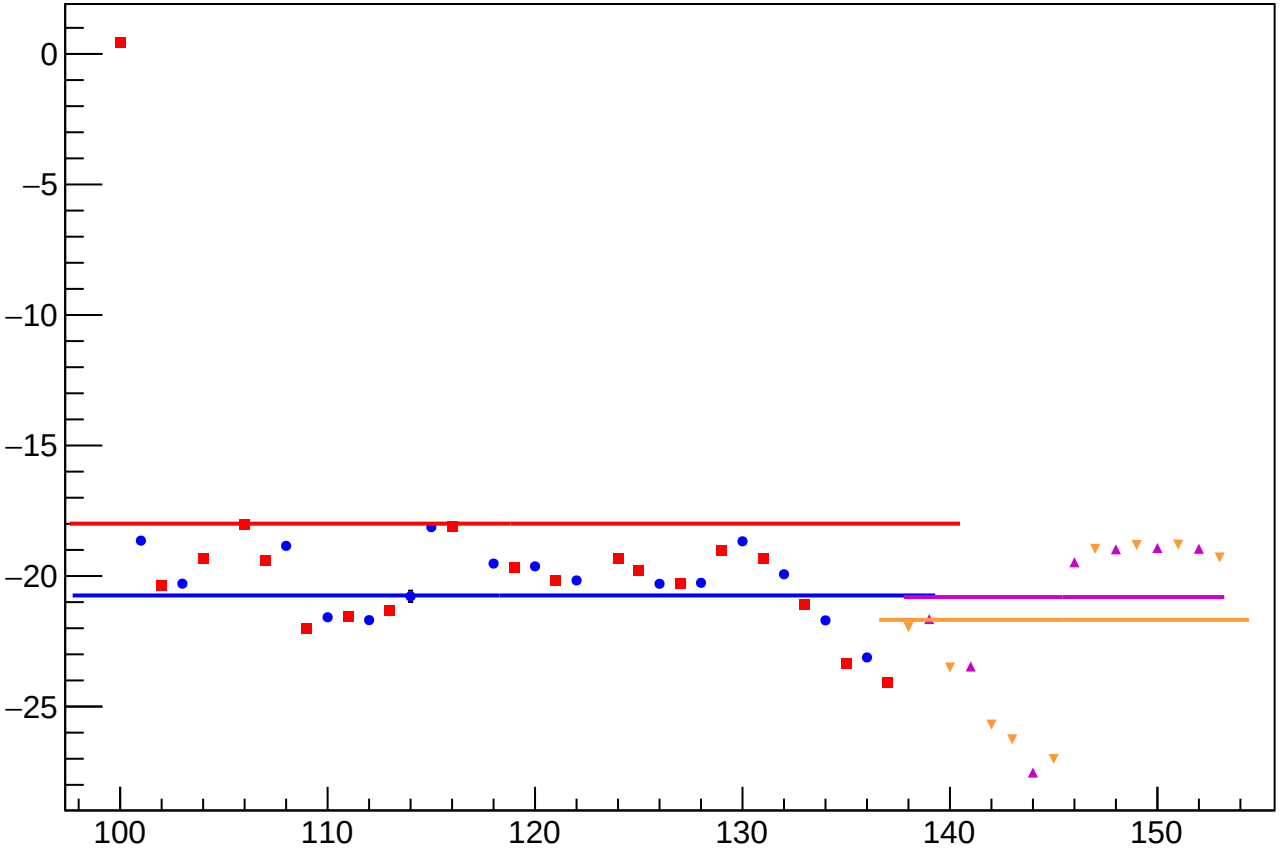
Left In: 4.874+/-0.299 χ^2/NDF:185.6/6

\+ sign 4.158+/-0.220 χ^2/NDF: 773.4/24

All: 3.642+/-0.159 χ^2/NDF: 1314.0/50

\- sign 3.074+/-0.231 χ^2/NDF: 529.0/25

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -21.677+/-0.014 χ^2/NDF:52200.3/8

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

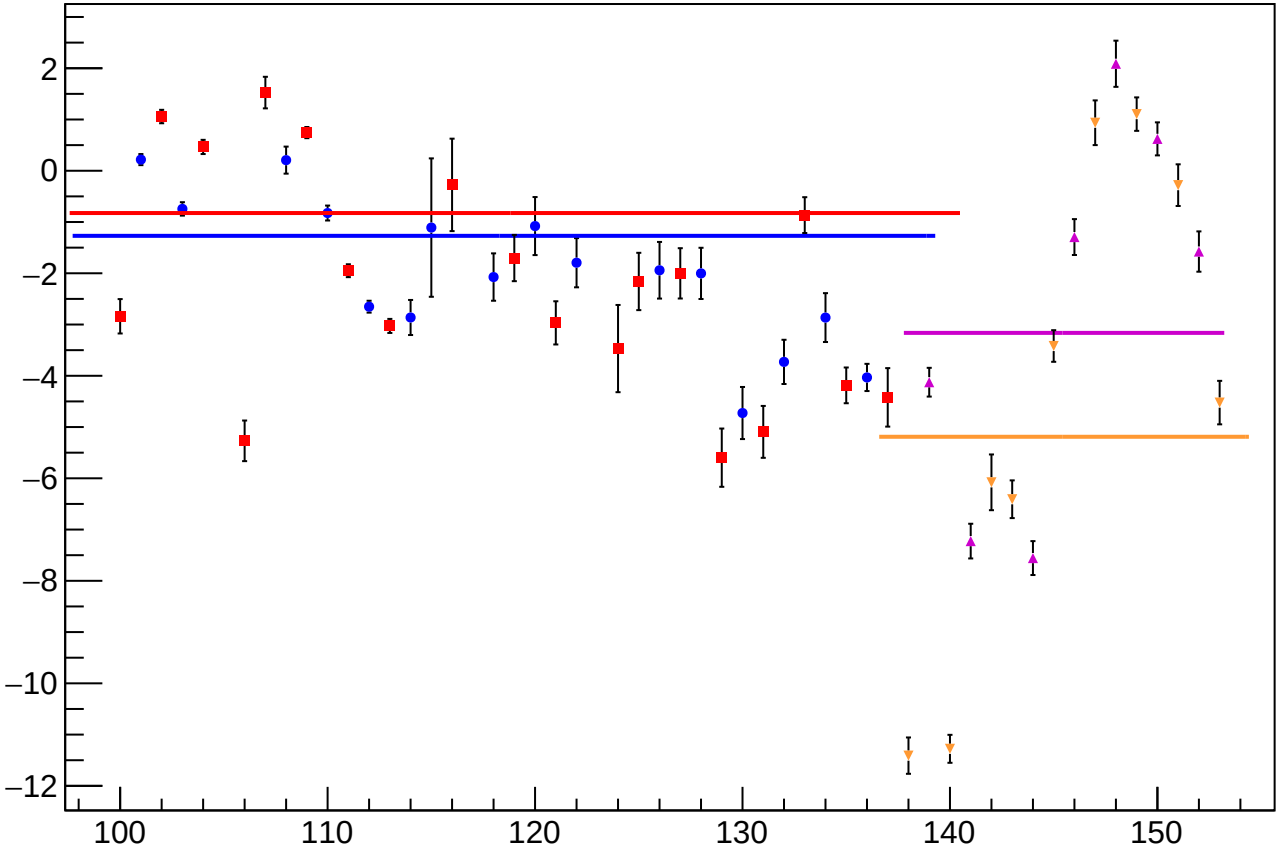
Left In: -20.806+/-0.014 χ^2/NDF:33895.5/6

+ sign -21.368+/-0.011 χ^2/NDF: 61249.7/24

All: -20.587+/-0.008 χ^2/NDF: 269694.0/50

- sign -19.770+/-0.011 χ^2/NDF: 198501.6/25

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.190+/-0.120 χ^2/NDF:1570.5/8

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

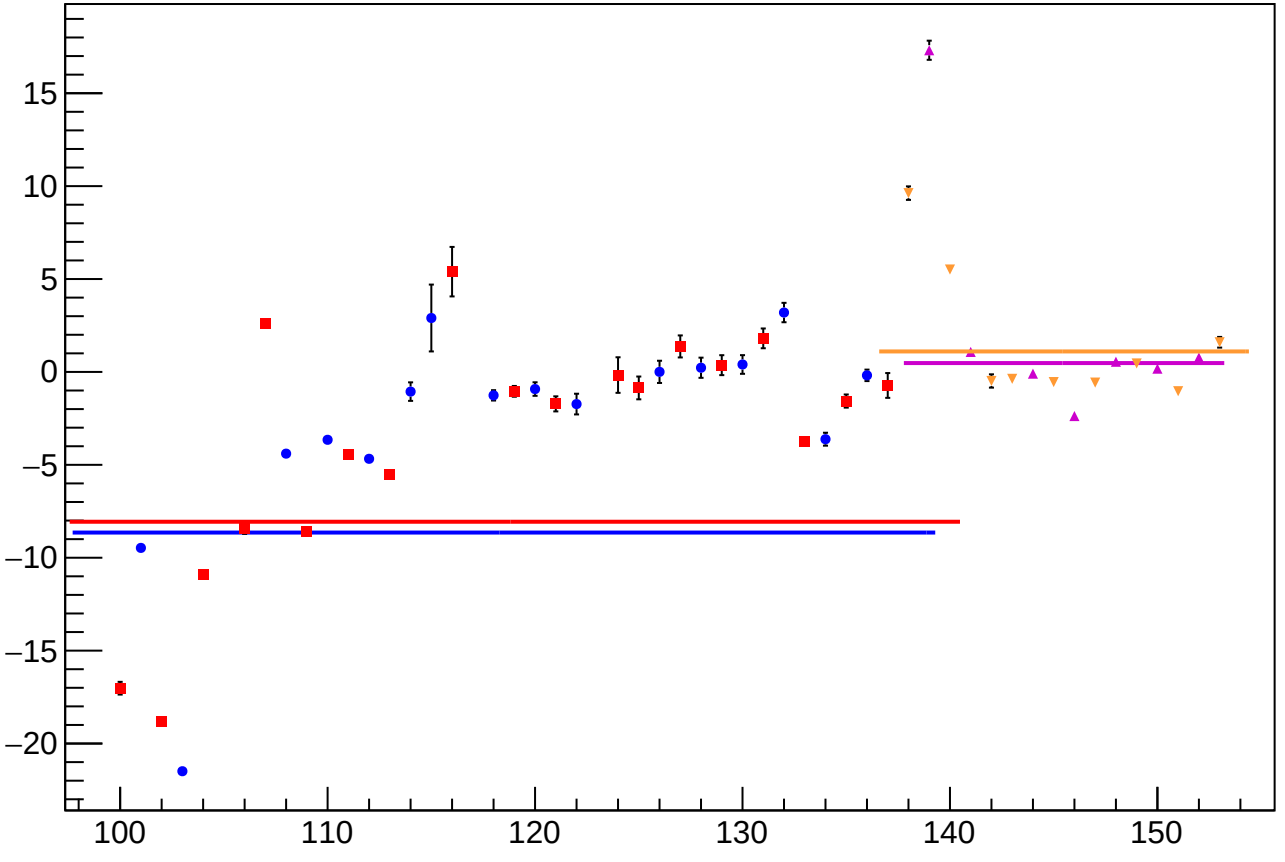
Left In: -3.163+/-0.129 χ^2/NDF:650.9/6

+ sign -1.936+/-0.050 χ^2/NDF: 3066.2/24

All: -1.520+/-0.034 χ^2/NDF: 5518.4/50

- sign -1.140+/-0.047 χ^2/NDF: 2317.9/25

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.103+/-0.084 χ^2/NDF:1177.0/8

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

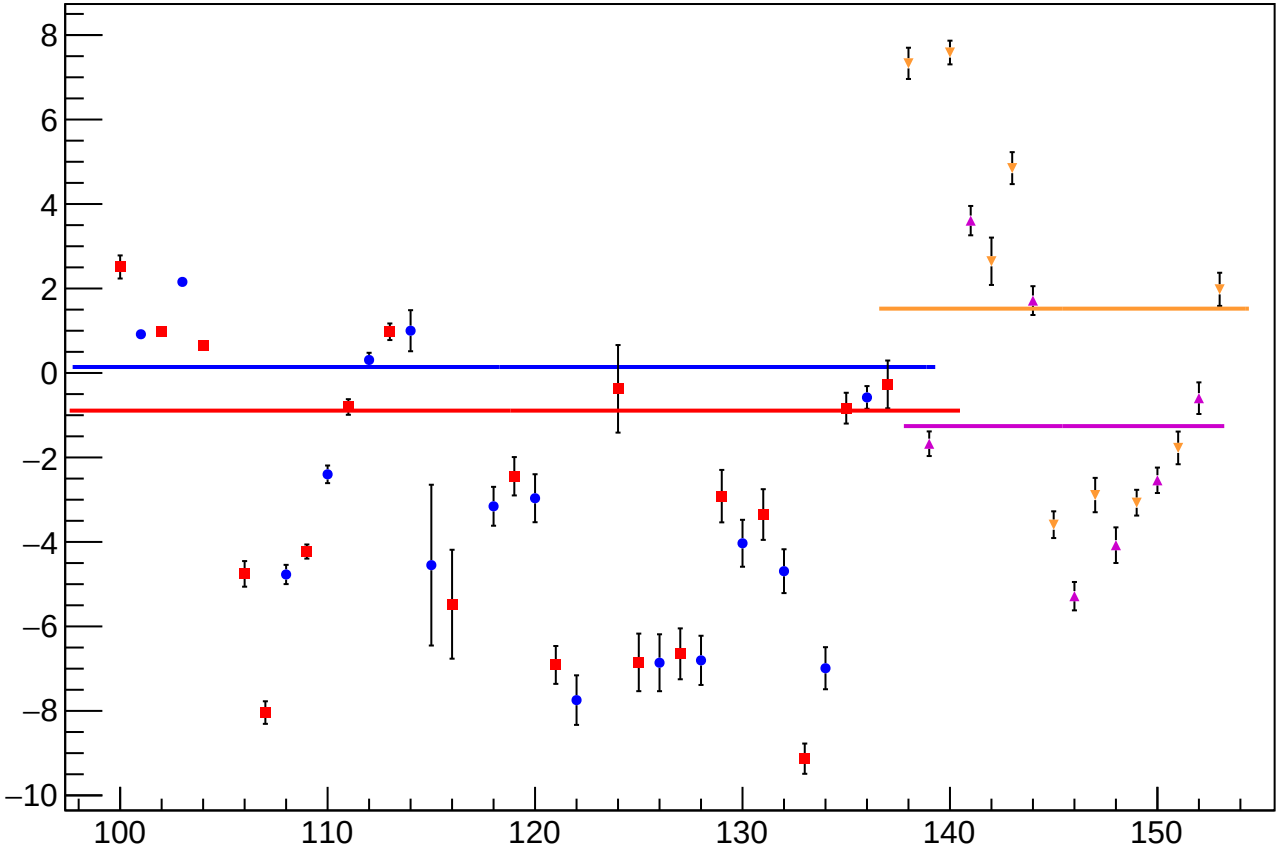
Left In: 0.477+/-0.093 χ^2/NDF:1262.1/6

+ sign -5.578+/-0.047 χ^2/NDF: 24224.9/24

All: -5.640+/-0.034 χ^2/NDF: 46003.2/50

- sign -5.707+/-0.049 χ^2/NDF: 21774.6/25

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.523+/-0.119 χ^2/NDF:1474.4/8

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

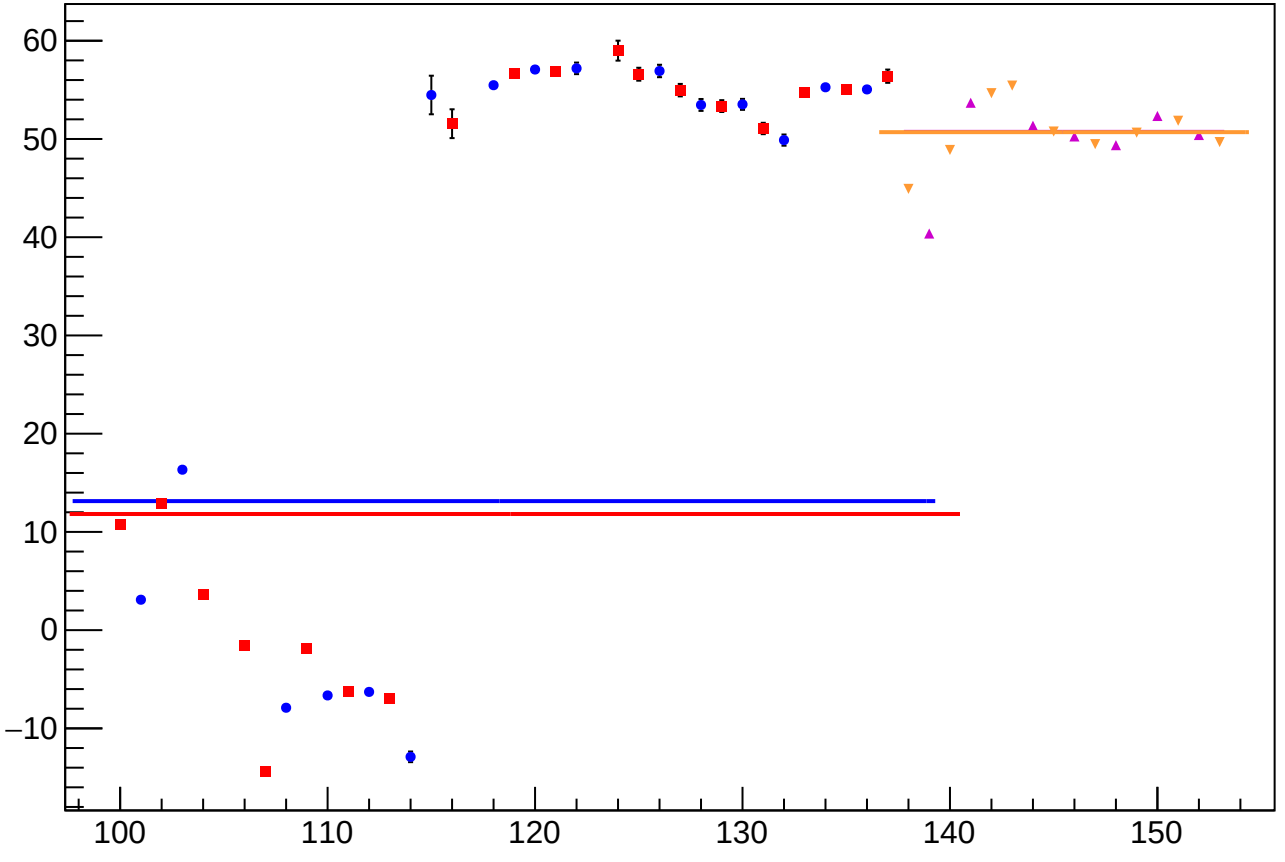
Left In: -1.258+/-0.128 χ^2/NDF:483.6/6

+ sign 0.368+/-0.048 χ^2/NDF: 3546.0/24

All: -0.275+/-0.035 χ^2/NDF: 7383.2/50

- sign -0.946+/-0.049 χ^2/NDF: 3476.3/25

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.695+/-0.102 χ^2/NDF:597.6/8

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

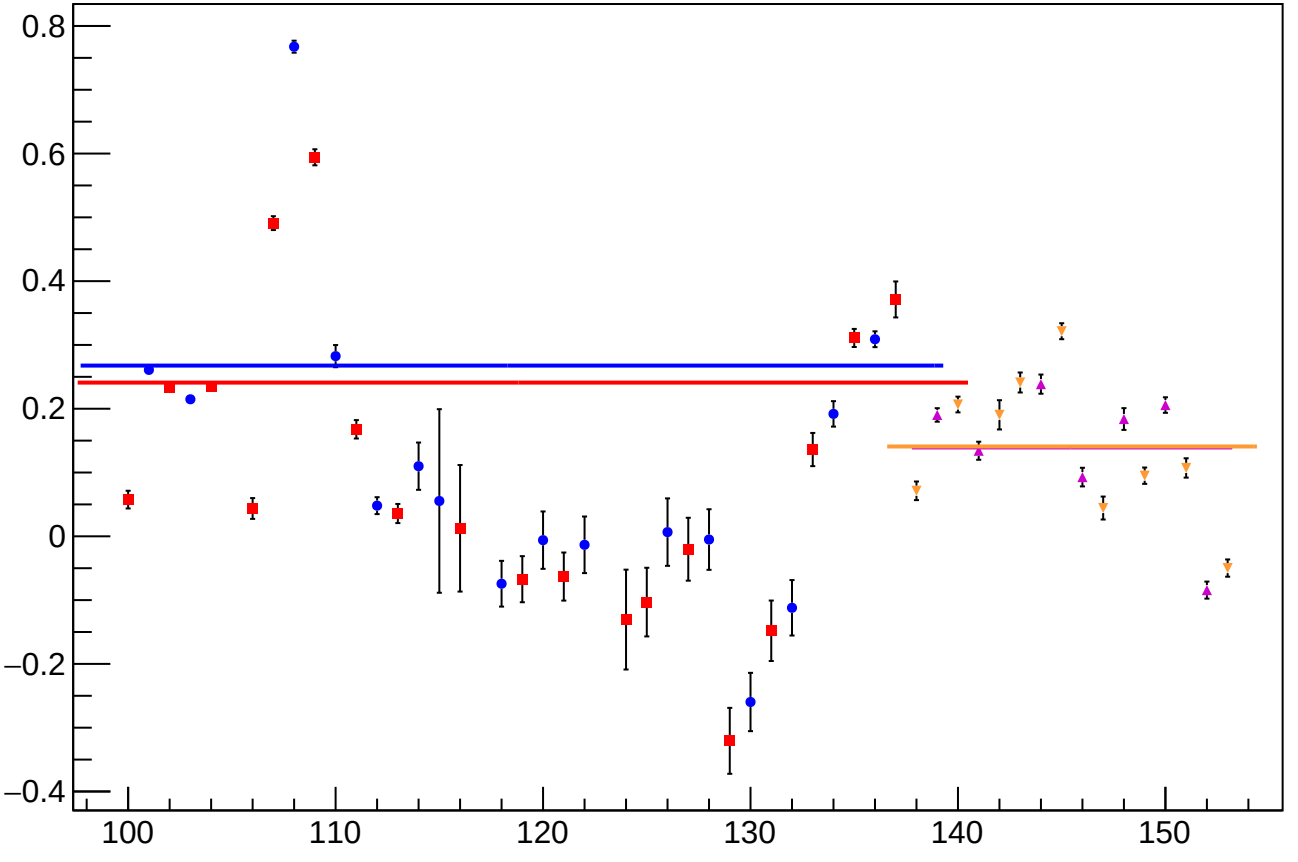
Left In: 50.724+/-0.112 χ^2/NDF:609.2/6

\+ sign 24.712+/-0.057 χ^2/NDF: 203353.6/24

All: 23.515+/-0.040 χ^2/NDF: 411203.6/50

\- sign 22.253+/-0.058 χ^2/NDF: 206929.1/25

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.141+/-0.005 χ^2/NDF:550.3/8

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

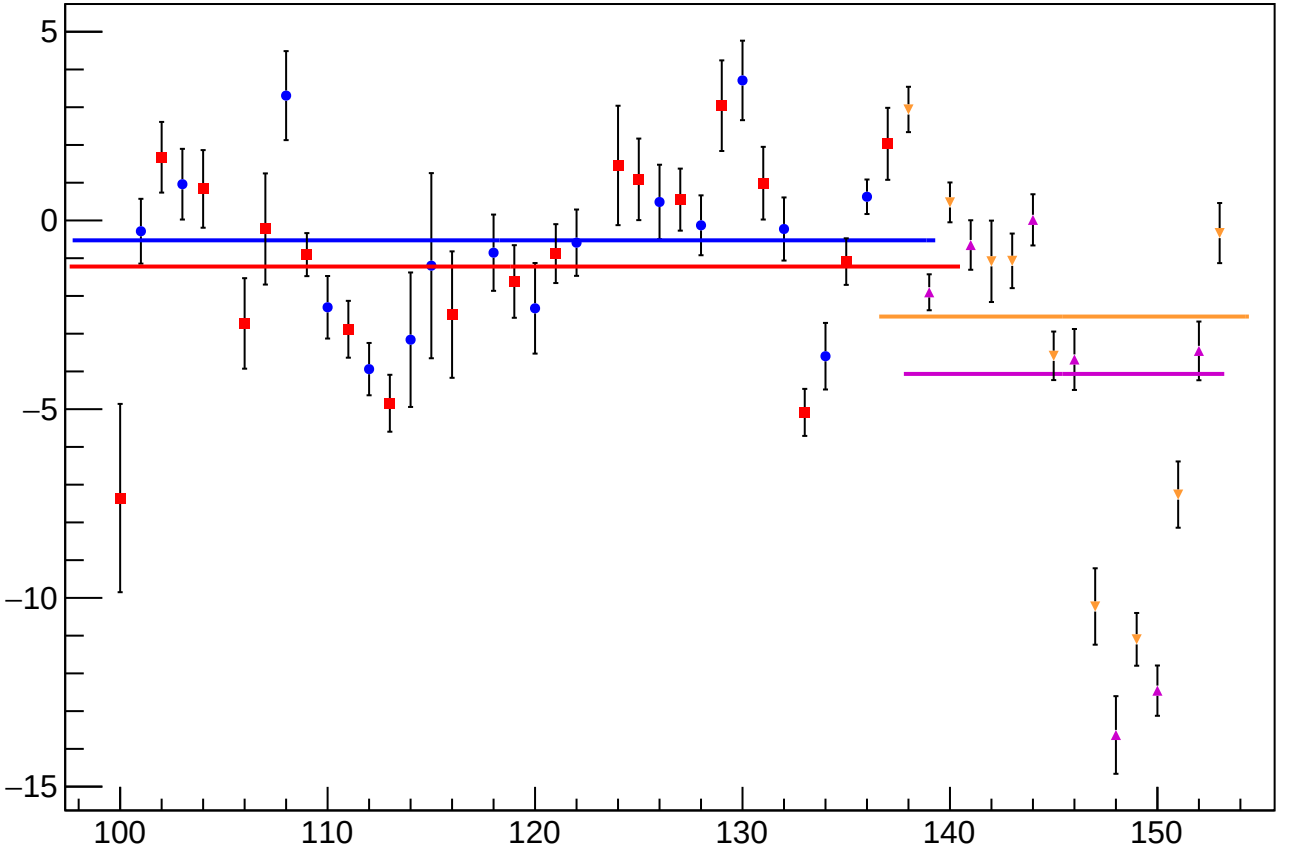
Left In: 0.139+/-0.005 χ^2/NDF:393.3/6

+ sign 0.236+/-0.002 χ^2/NDF: 4785.4/24

All: 0.227+/-0.002 χ^2/NDF: 7855.8/50

- sign 0.218+/-0.002 χ^2/NDF: 3042.7/25

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.546+/-0.239 χ^2/NDF:368.8/8

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

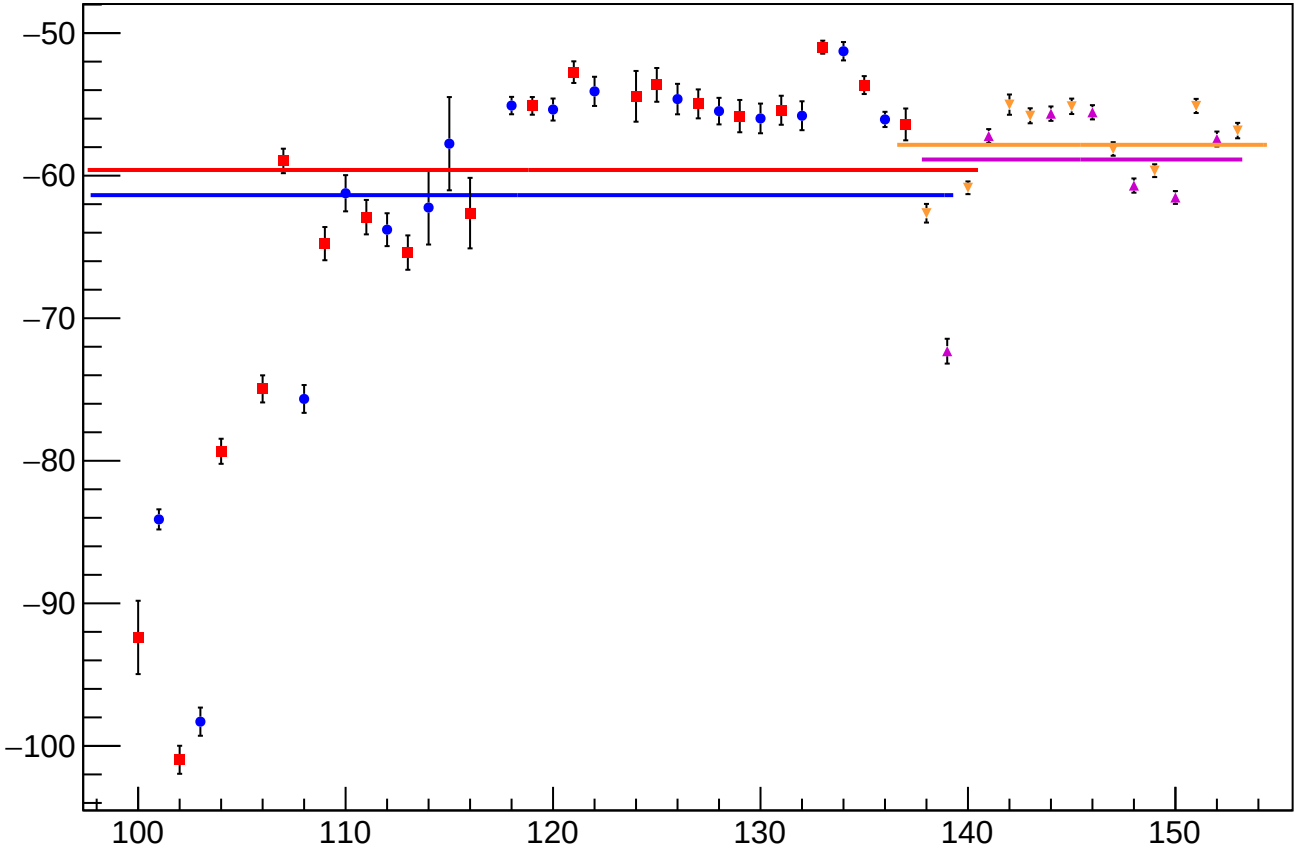
Left In: -4.066+/-0.256 χ^2/NDF:329.9/6

+ sign -1.438+/-0.161 χ^2/NDF: 490.6/24

All: -1.887+/-0.113 χ^2/NDF: 1042.4/50

- sign -2.331+/-0.160 χ^2/NDF: 536.3/25

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -57.836+/-0.174 χ^2/NDF:205.3/8

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

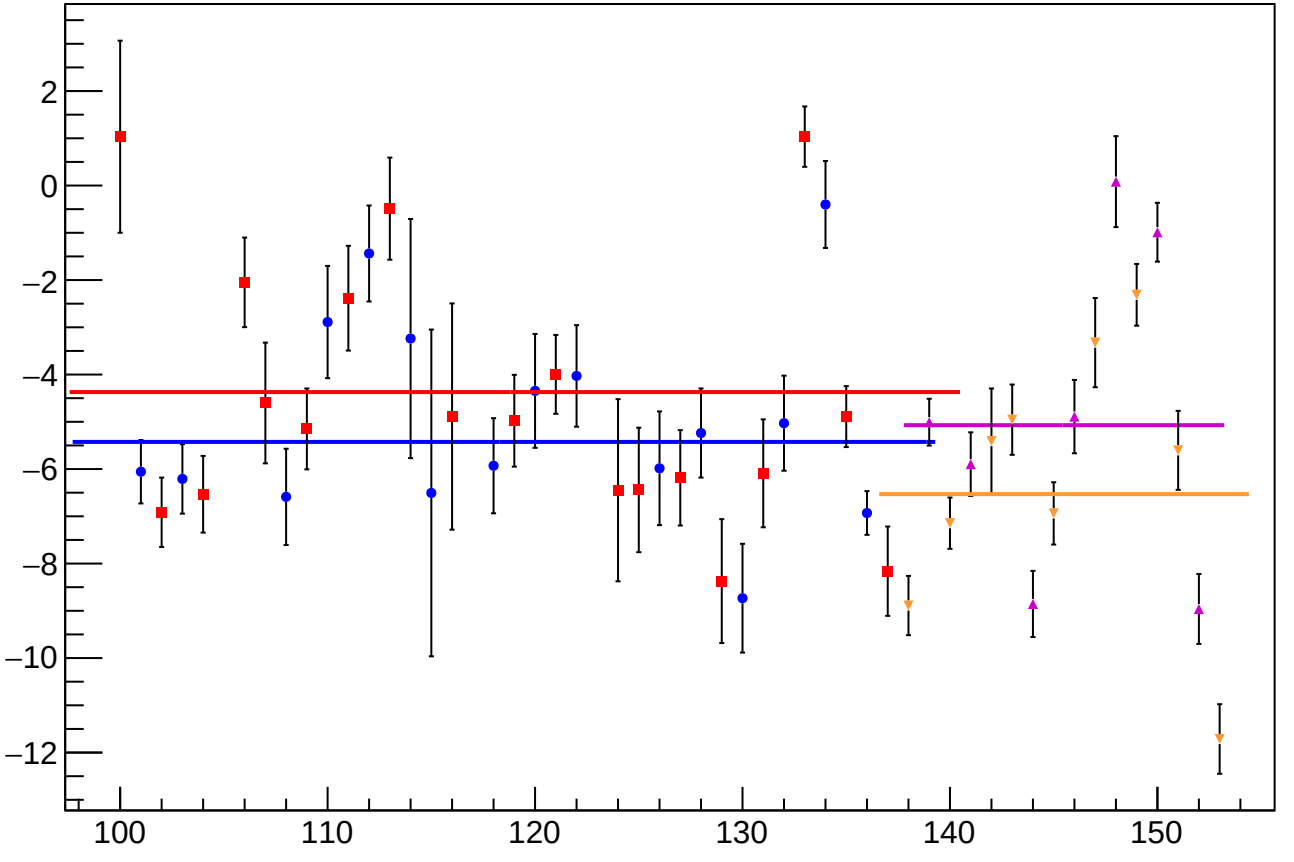
Left In: -58.867+/-0.196 χ^2/NDF:390.2/6

+ sign -59.198+/-0.136 χ^2/NDF: 3716.1/24

All: -59.206+/-0.098 χ^2/NDF: 7534.3/50

- sign -59.214+/-0.142 χ^2/NDF: 3818.1/25

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -6.531+/-0.238 χ^2/NDF:125.3/8

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

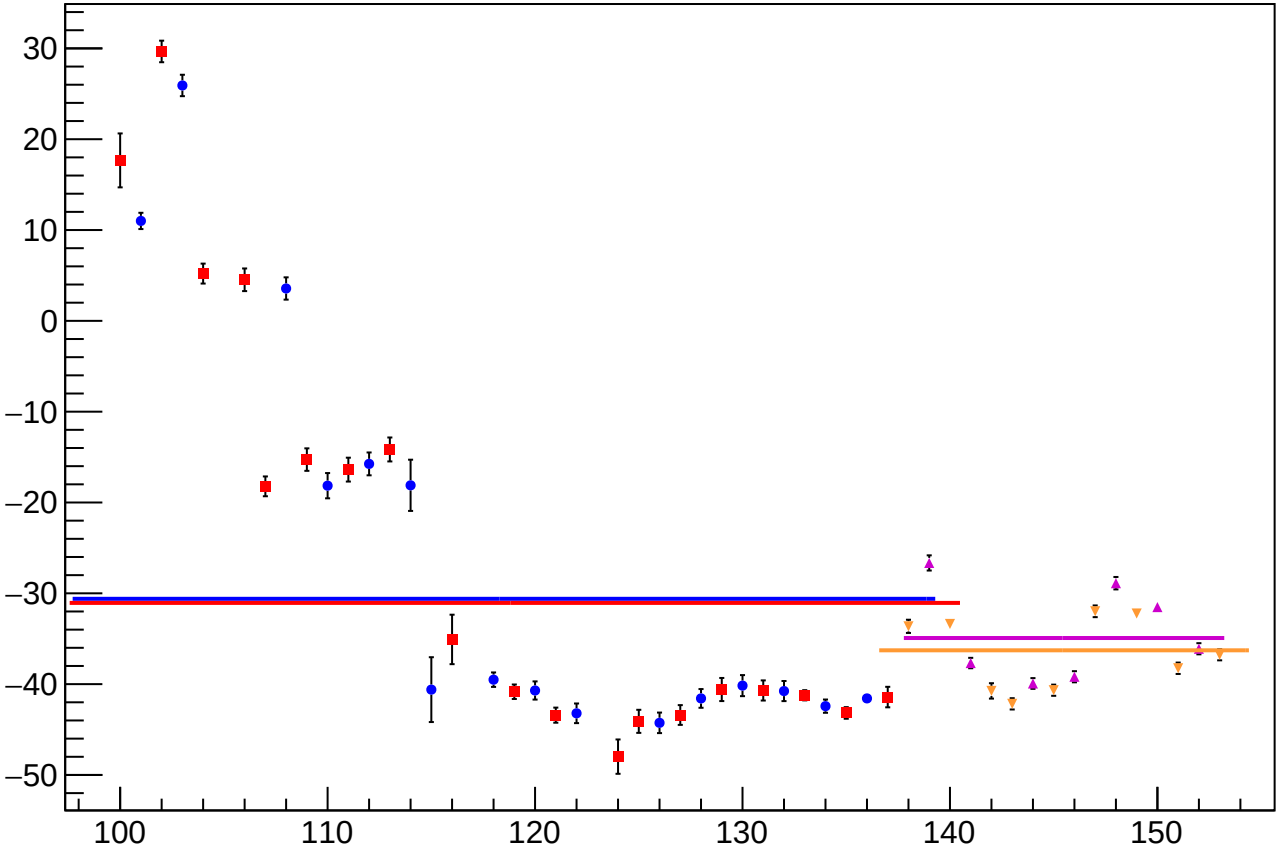
Left In: -5.071+/-0.254 χ^2/NDF:130.1/6

+ sign -5.958+/-0.165 χ^2/NDF: 212.4/24

All: -5.324+/-0.118 χ^2/NDF: 533.1/50

- sign -4.675+/-0.167 χ^2/NDF: 291.0/25

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.276+/-0.208 χ^2/NDF:323.1/8

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

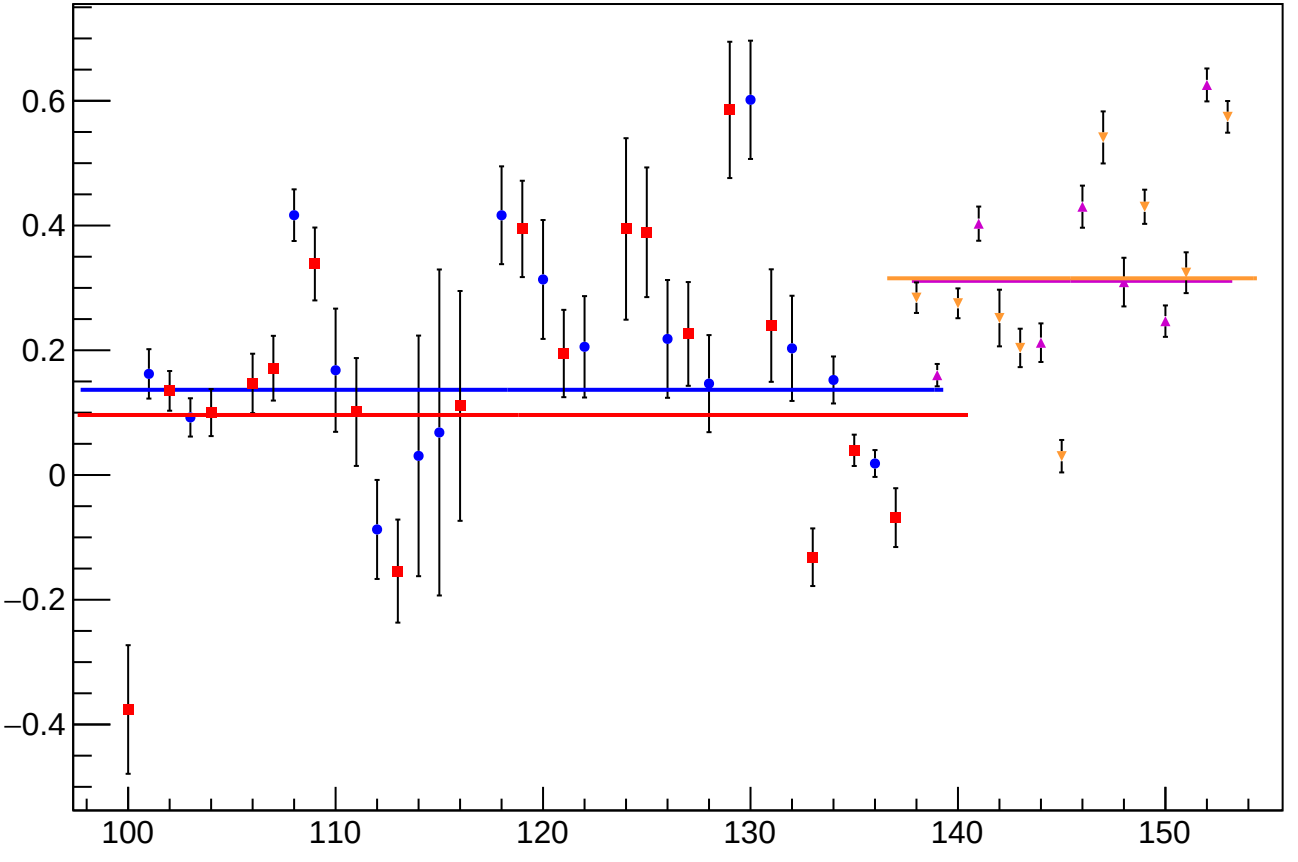
Left In: -34.922+/-0.233 χ^2/NDF:365.5/6

+ sign -33.948+/-0.160 χ^2/NDF: 7565.9/24

All: -33.508+/-0.115 χ^2/NDF: 15058.8/50

- sign -33.032+/-0.166 χ^2/NDF: 7477.1/25

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.315+/-0.010 χ^2/NDF:290.4/8

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

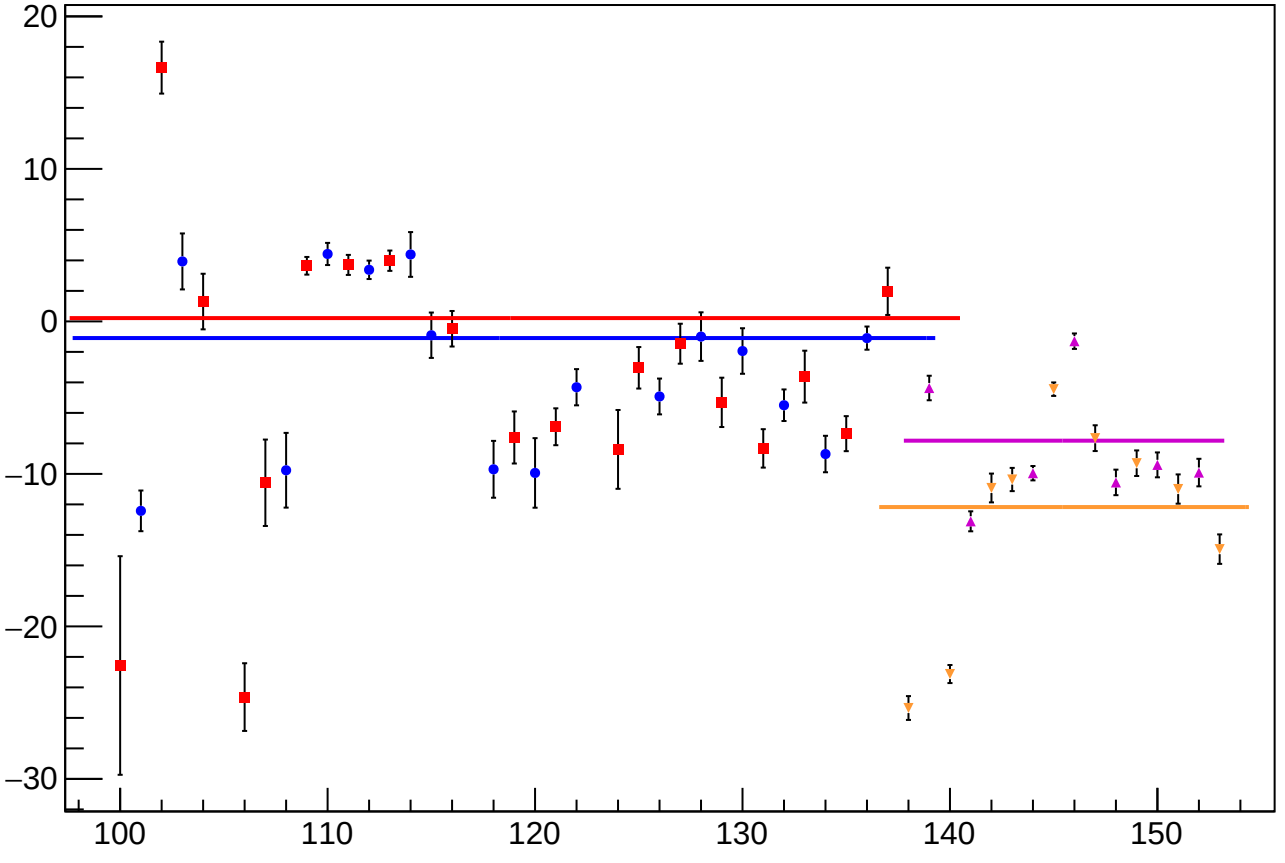
Left In: 0.311+/-0.010 χ^2/NDF:253.2/6

+ sign 0.249+/-0.008 χ^2/NDF: 548.2/24

All: 0.238+/-0.005 χ^2/NDF: 1137.1/50

- sign 0.226+/-0.008 χ^2/NDF: 584.5/25

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.175+/-0.239 χ^2/NDF:990.0/8

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

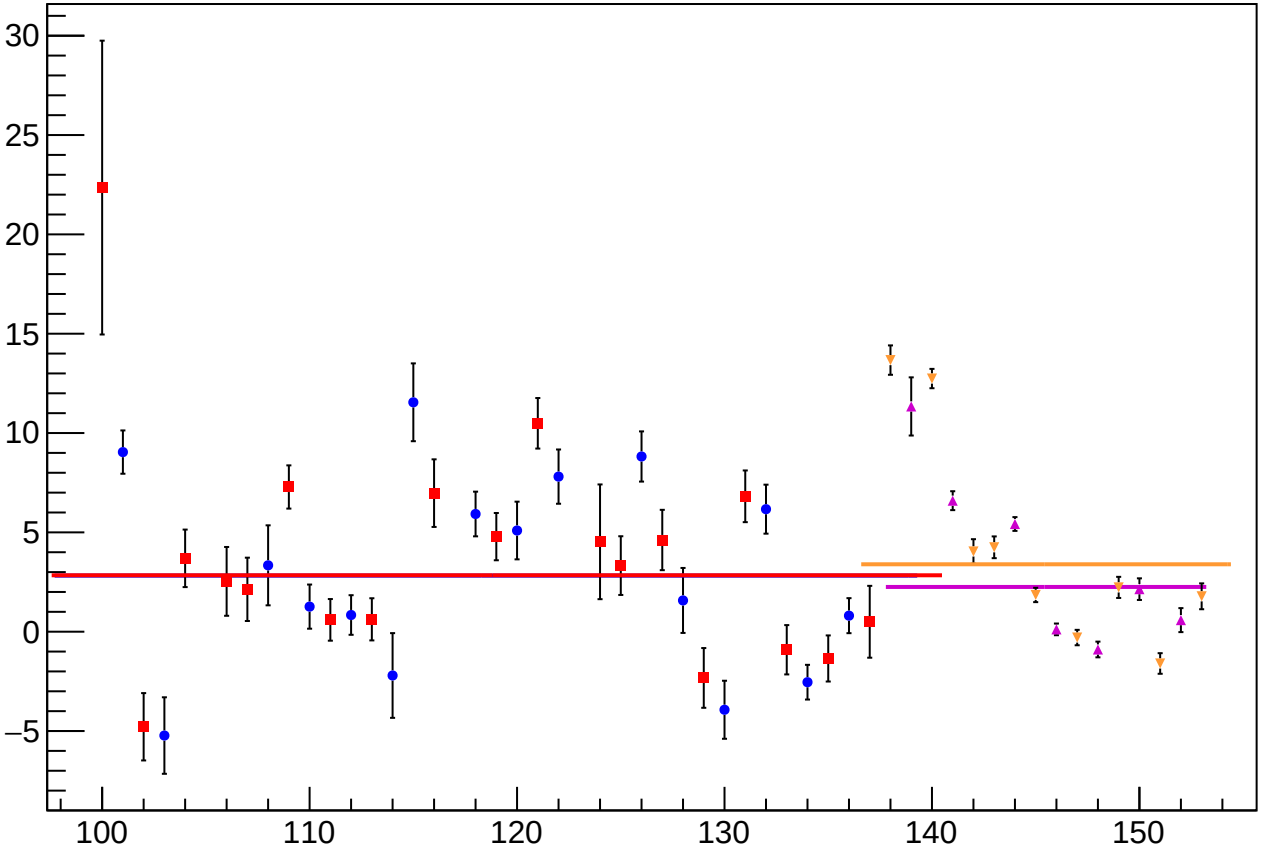
Left In: -7.822+/-0.247 χ^2/NDF:289.6/6

+ sign -7.504+/-0.182 χ^2/NDF: 2224.5/24

All: -5.794+/-0.128 χ^2/NDF: 3700.5/50

- sign -4.107+/-0.181 χ^2/NDF: 1300.9/25

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.393+/-0.167 χ^2/NDF:778.2/8

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

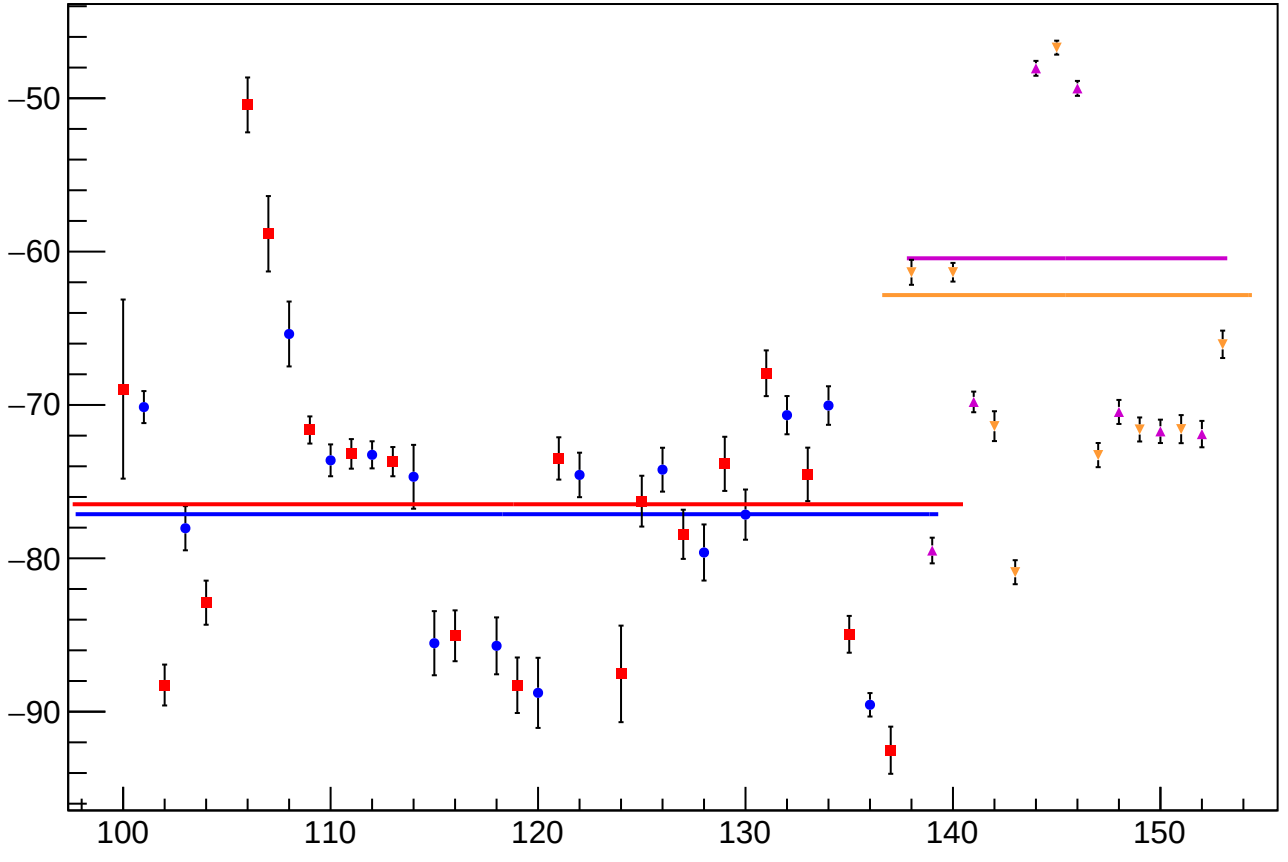
Left In: 2.252+/-0.164 χ^2/NDF:329.0/6

+ sign 3.267+/-0.147 χ^2/NDF: 980.4/24

All: 2.817+/-0.104 χ^2/NDF: 1475.6/50

- sign 2.373+/-0.146 χ^2/NDF: 476.6/25

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -62.835+/-0.240 χ^2/NDF:2277.1/8

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

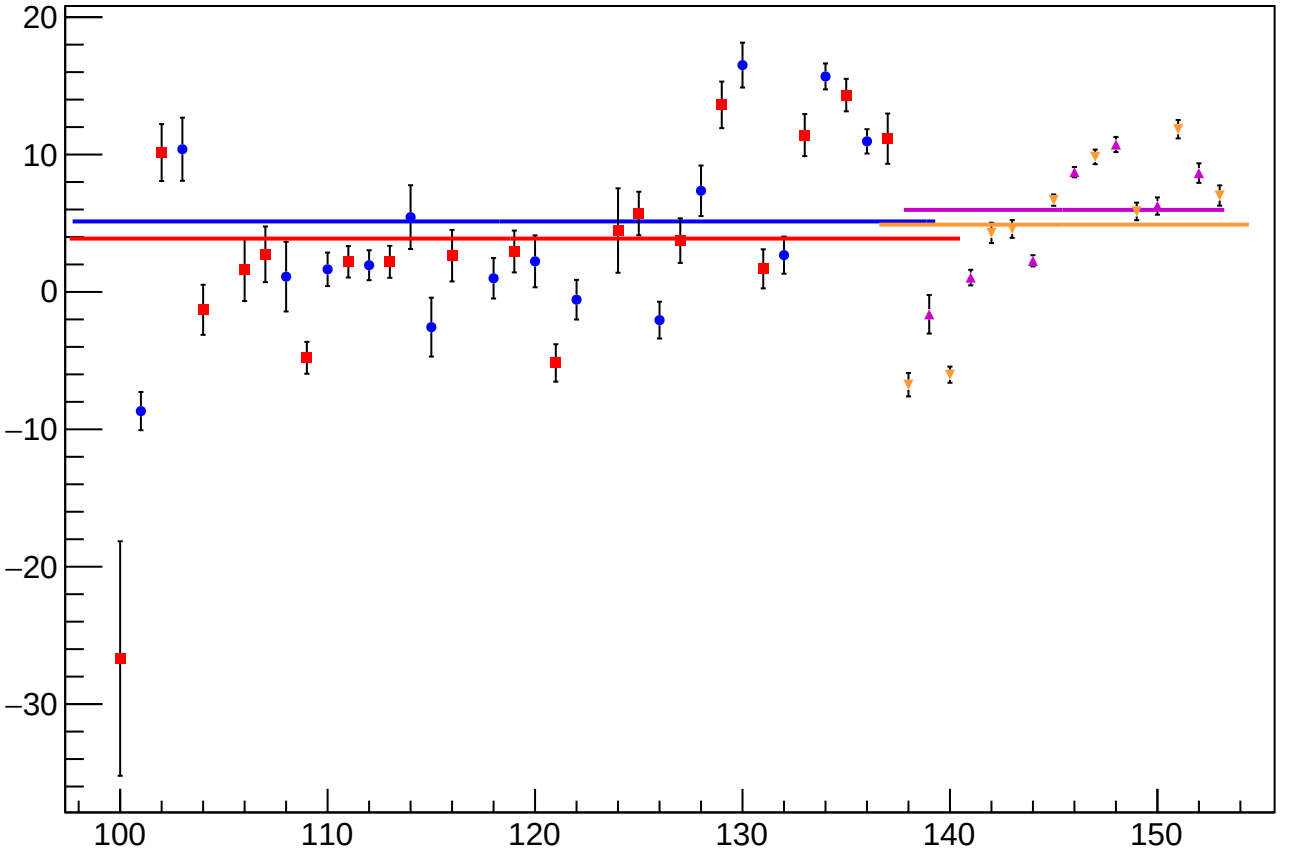
Left In: -60.436+/-0.244 χ^2/NDF:2439.6/6

+ sign -67.845+/-0.193 χ^2/NDF: 4025.5/24

All: -67.005+/-0.138 χ^2/NDF: 8735.3/50

- sign -66.141+/-0.196 χ^2/NDF: 4671.4/25

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.902+/-0.203 χ^2/NDF:756.0/8

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

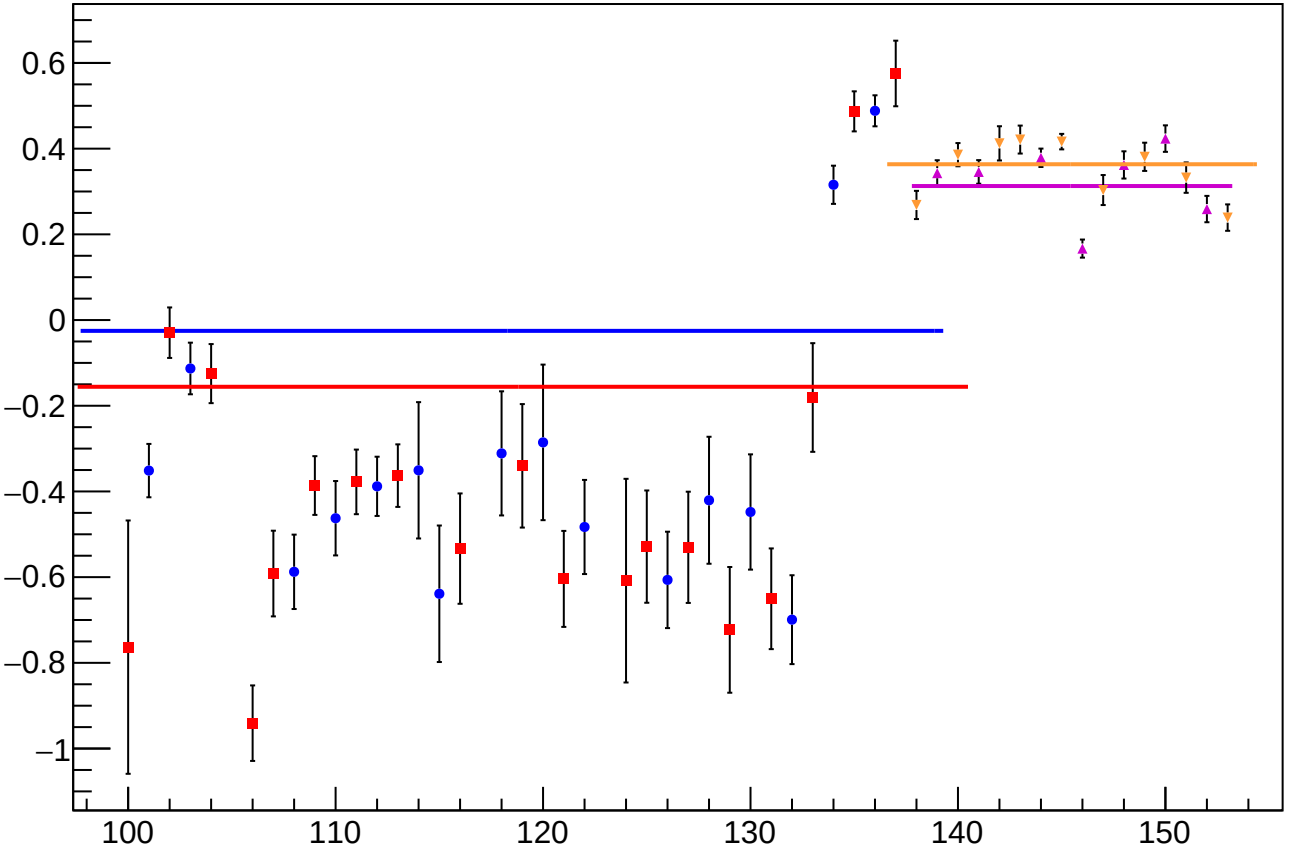
Left In: 5.973+/-0.201 χ^2/NDF:331.2/6

+ sign 4.960+/-0.175 χ^2/NDF: 1168.6/24

All: 5.218+/-0.124 χ^2/NDF: 1821.1/50

- sign 5.478+/-0.176 χ^2/NDF: 648.1/25

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.364+/-0.010 χ^2/NDF:42.4/8

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

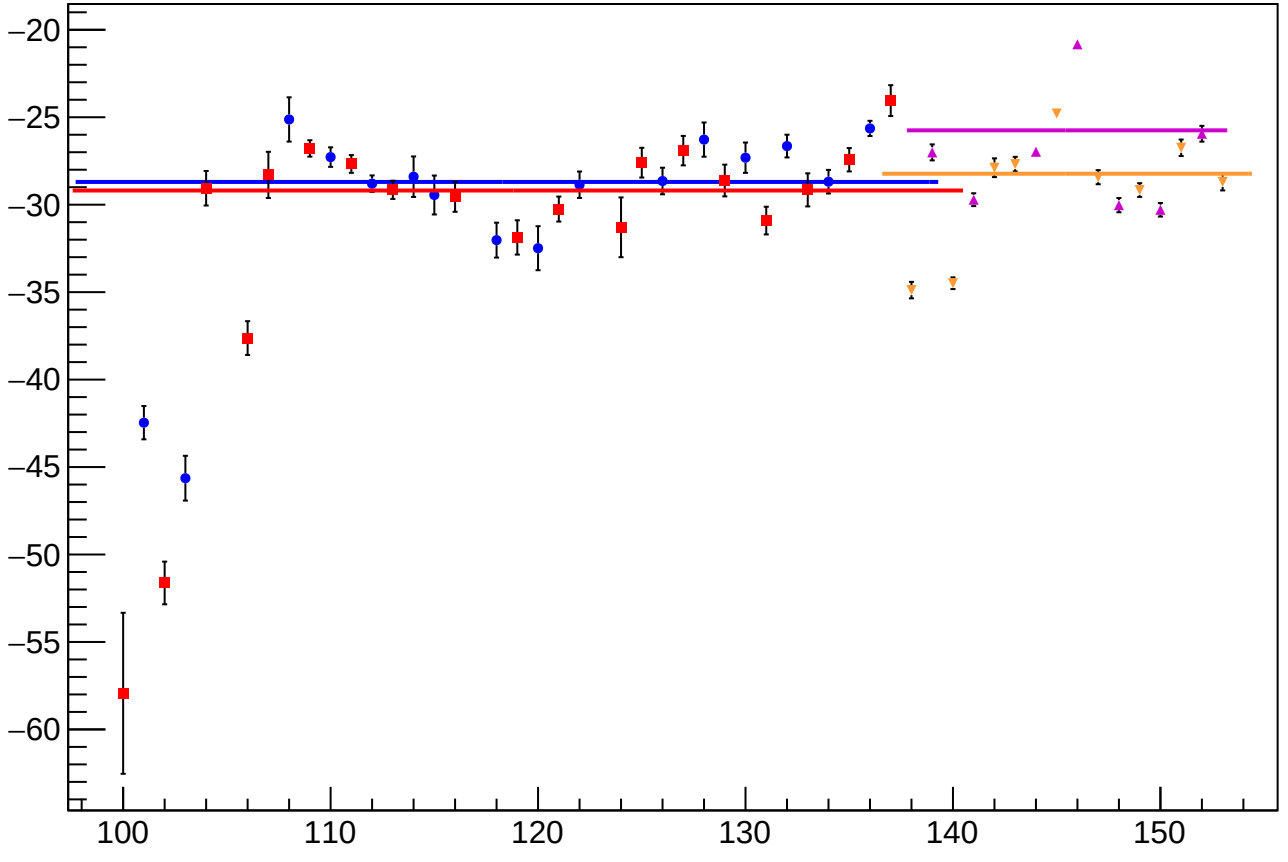
Left In: 0.313+/-0.010 χ^2/NDF:78.0/6

+ sign 0.282+/-0.009 χ^2/NDF: 887.8/24

All: 0.252+/-0.006 χ^2/NDF: 1916.3/50

- sign 0.220+/-0.009 χ^2/NDF: 1004.0/25

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.229+/-0.121 χ^2/NDF:856.5/8

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

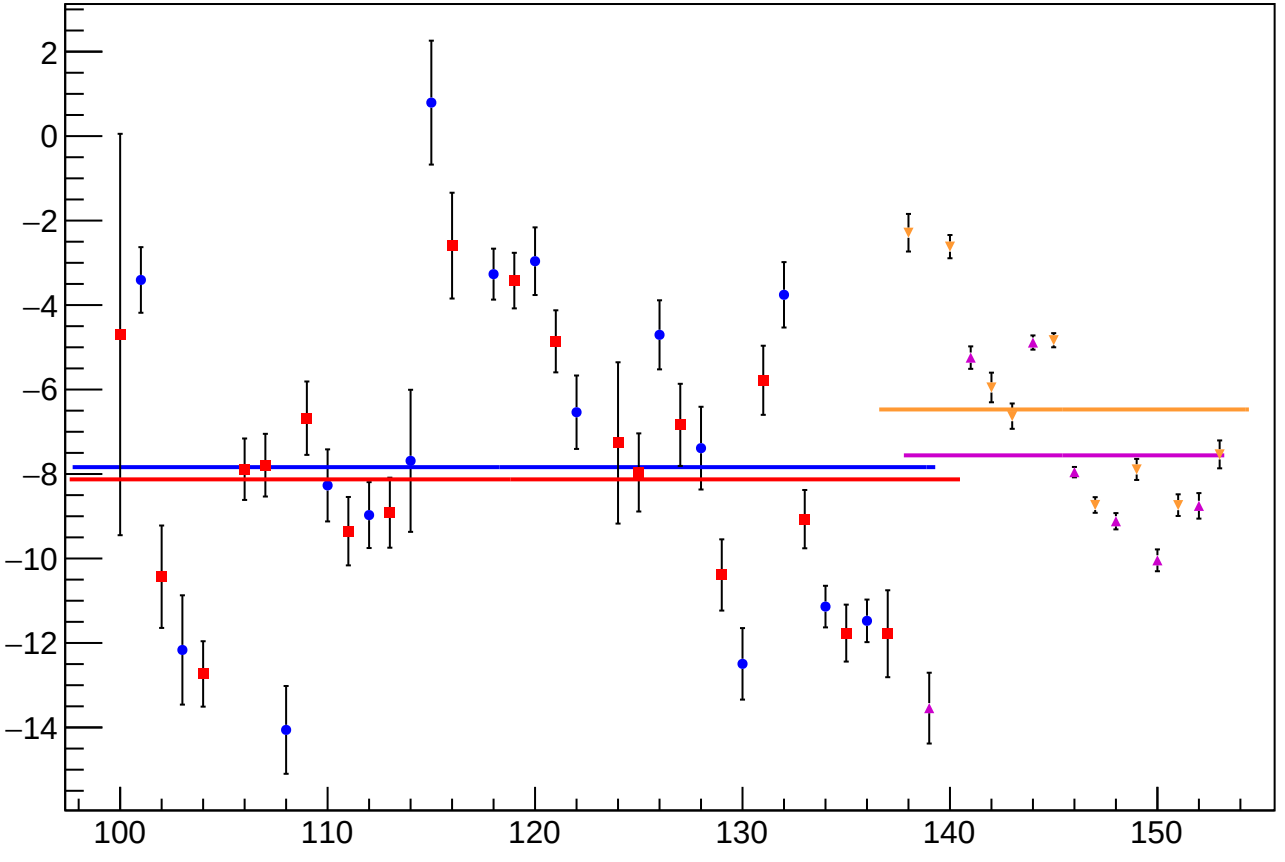
Left In: -25.750+/-0.117 χ^2/NDF:970.5/6

+ sign -28.369+/-0.101 χ^2/NDF: 1348.3/24

All: -27.545+/-0.071 χ^2/NDF: 3258.2/50

- sign -26.767+/-0.099 χ^2/NDF: 1781.5/25

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.472+/-0.084 χ^2/NDF:653.1/8

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

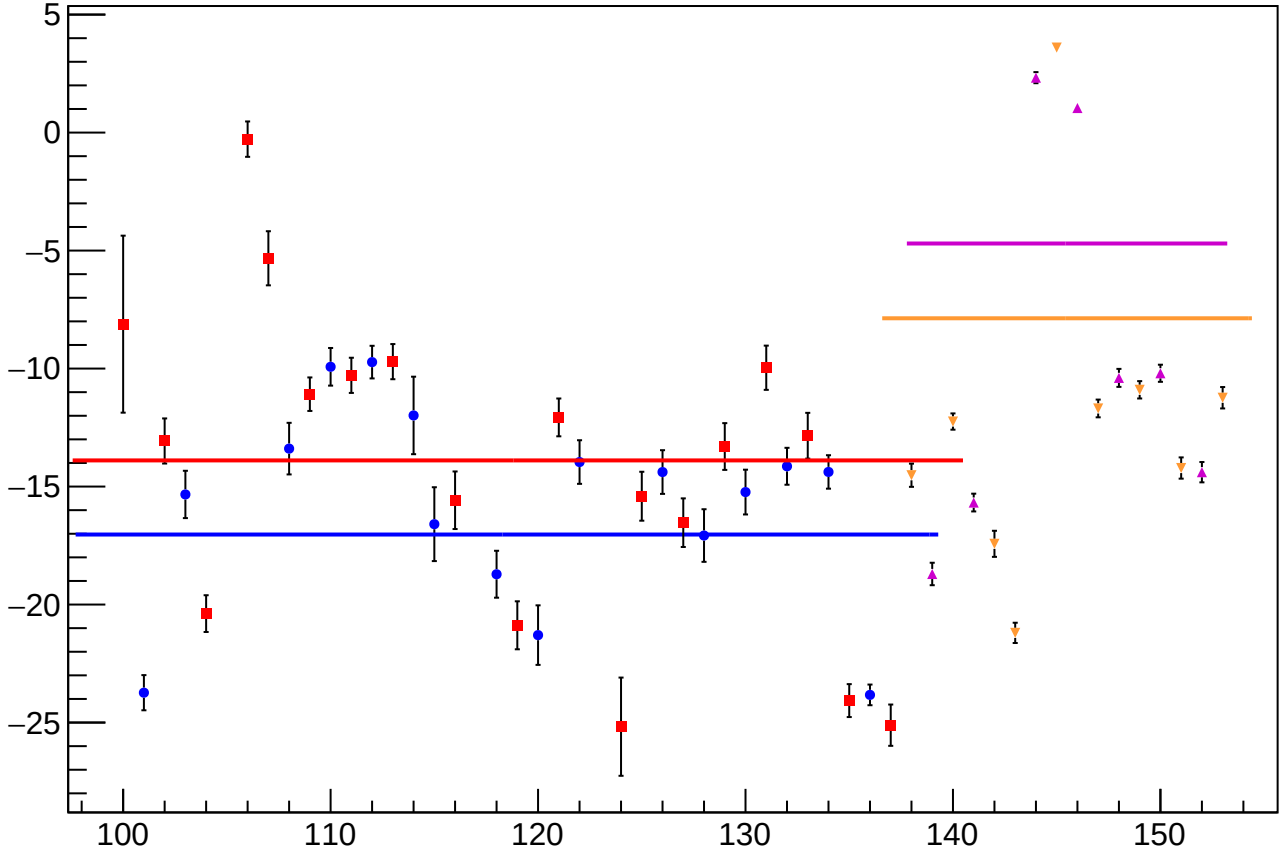
Left In: -7.558+/-0.077 χ^2/NDF:562.8/6

+ sign -6.684+/-0.077 χ^2/NDF: 1077.7/24

All: -7.194+/-0.052 χ^2/NDF: 1926.8/50

- sign -7.633+/-0.071 χ^2/NDF: 767.3/25

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -7.869+/-0.121 χ^2/NDF:5074.1/8

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

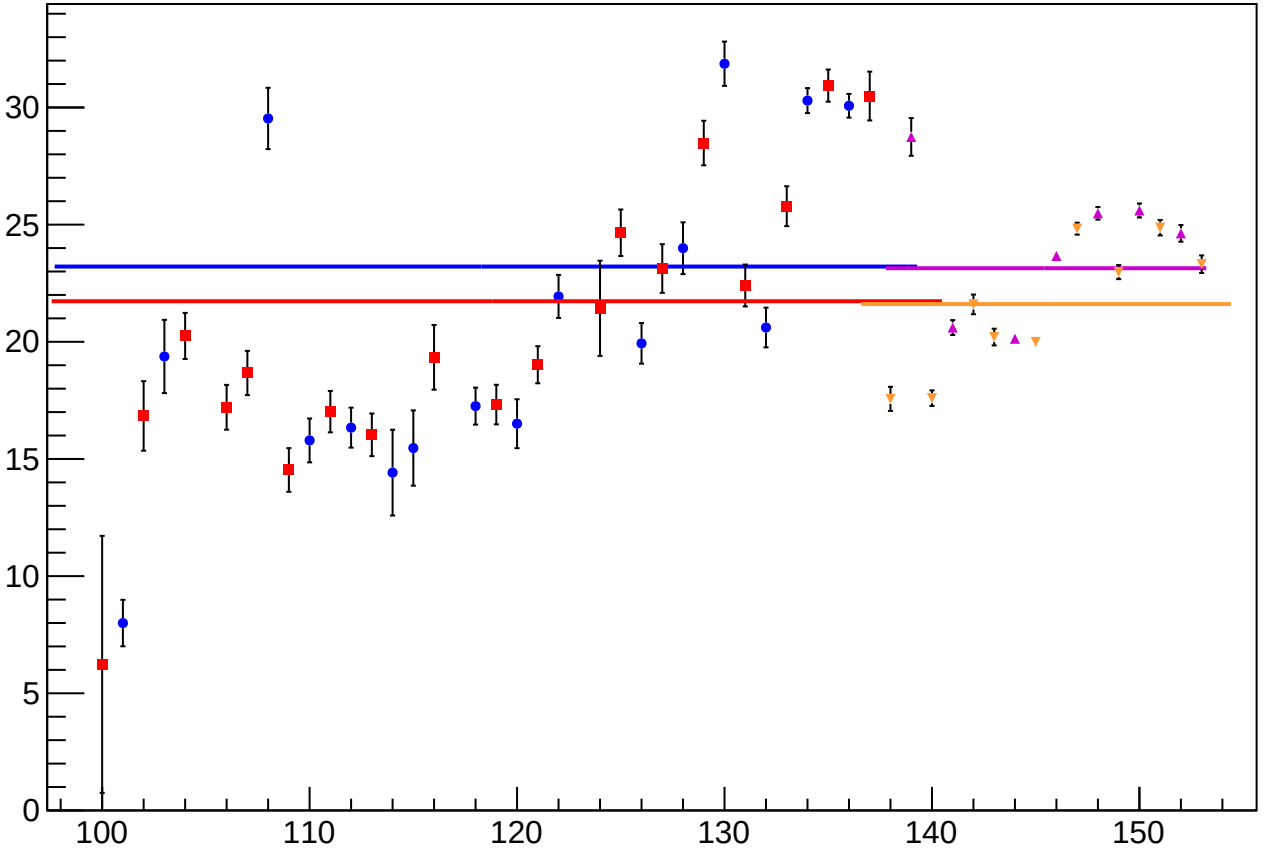
Left In: -4.700+/-0.116 χ^2/NDF:4406.0/6

+ sign -10.154+/-0.105 χ^2/NDF: 7113.1/24

All: -8.448+/-0.073 χ^2/NDF: 14529.8/50

- sign -6.849+/-0.101 χ^2/NDF: 6900.8/25

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.610+/-0.102 χ^2/NDF:594.1/8

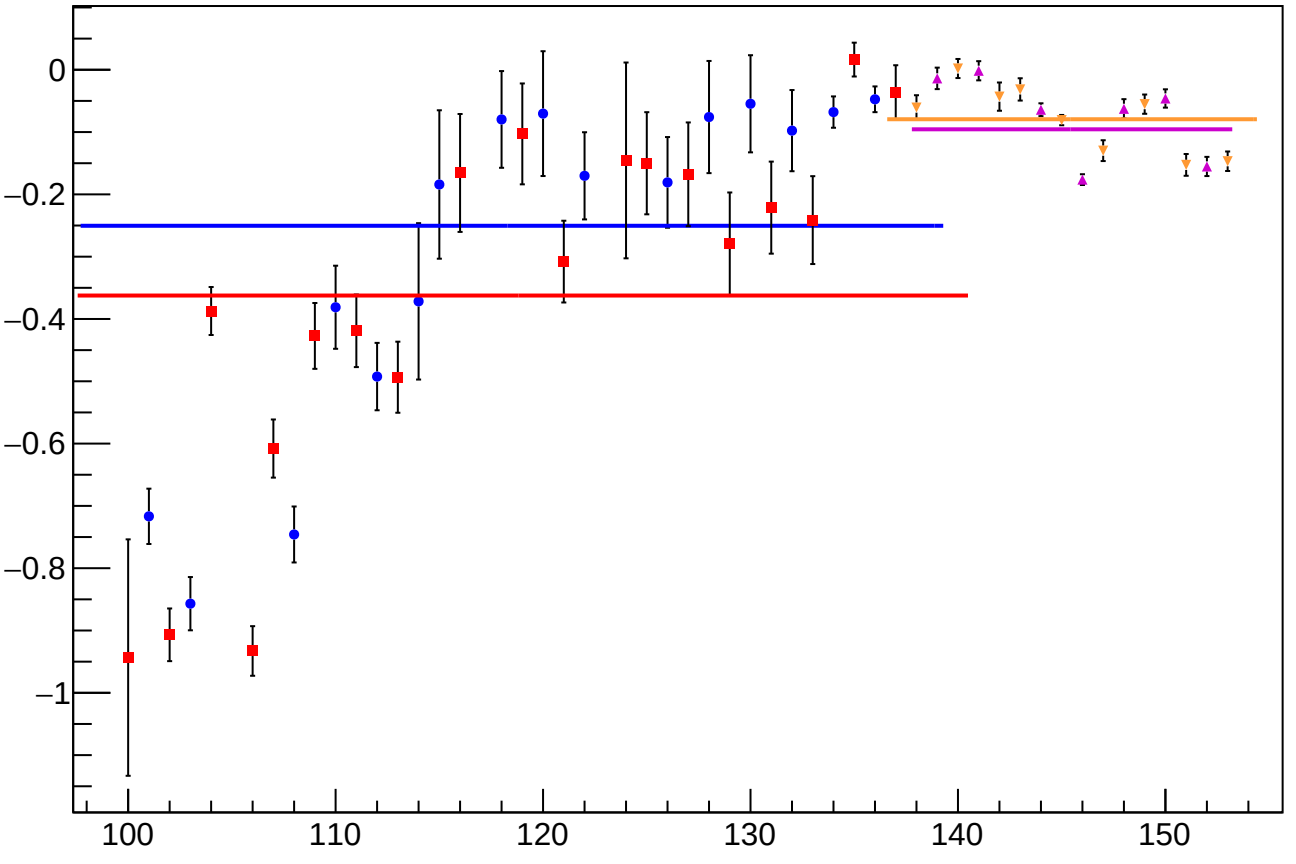
Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.140+/-0.094 χ^2/NDF:517.9/6

+ sign 21.897+/-0.092 χ^2/NDF: 1646.6/24

All: 22.443+/-0.063 χ^2/NDF: 2822.4/50

- sign 22.928+/-0.087 χ^2/NDF: 1109.6/25



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.079+/-0.005 χ^2/NDF:86.6/8

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

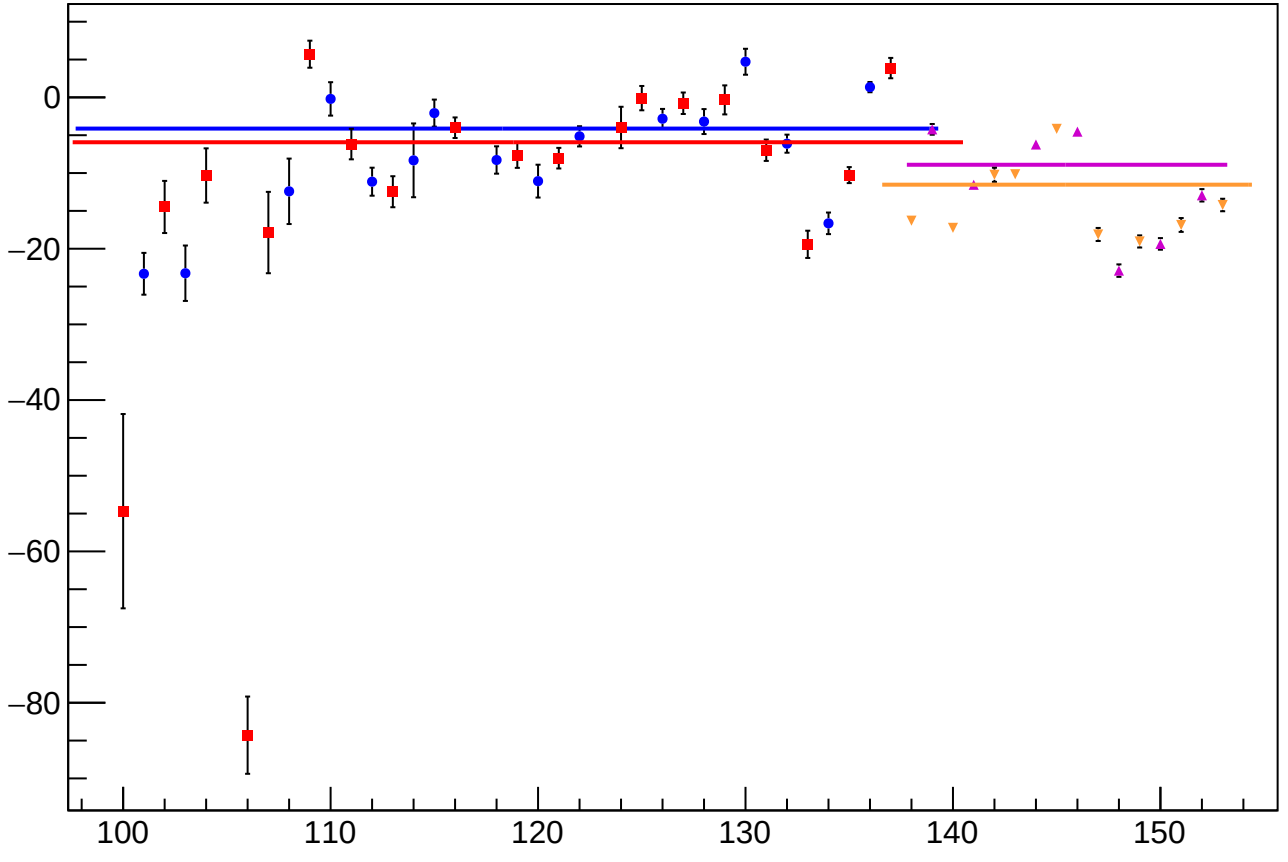
Left In: -0.096+/-0.005 χ^2/NDF:187.3/6

+ sign -0.105+/-0.005 χ^2/NDF: 903.0/24

All: -0.118+/-0.003 χ^2/NDF: 2216.2/50

- sign -0.131+/-0.004 χ^2/NDF: 1297.1/25

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.537+/-0.214 χ^2/NDF:759.2/8

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

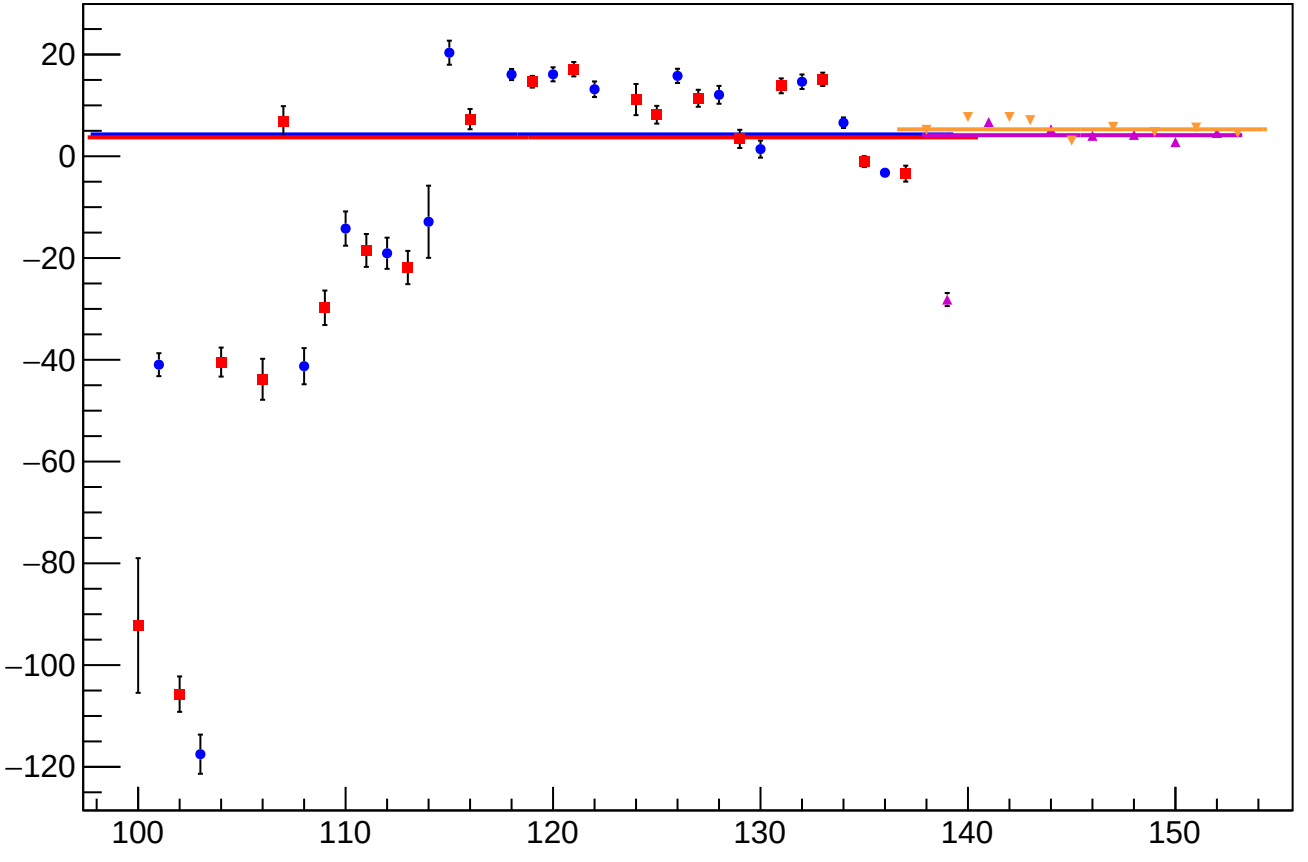
Left In: -8.905+/-0.218 χ^2/NDF:715.4/6

+ sign -9.768+/-0.186 χ^2/NDF: 1334.1/24

All: -9.029+/-0.134 χ^2/NDF: 2605.9/50

- sign -8.242+/-0.193 χ^2/NDF: 1239.4/25

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.297+/-0.152 χ^2/NDF:117.7/8

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

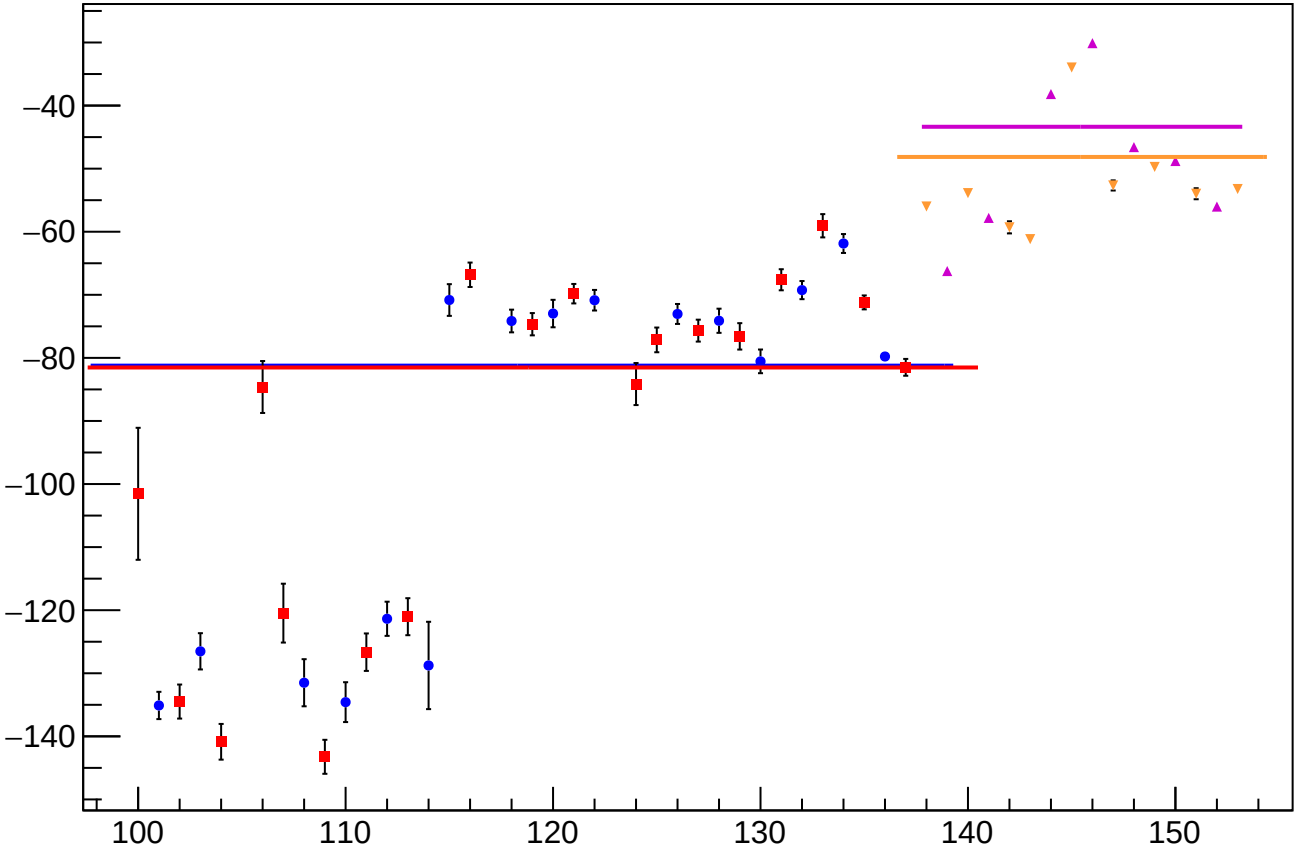
Left In: 4.148+/-0.148 χ^2/NDF:685.5/6

+ sign 5.161+/-0.142 χ^2/NDF: 2292.7/24

All: 4.622+/-0.099 χ^2/NDF: 5014.8/50

- sign 4.101+/-0.139 χ^2/NDF: 2693.7/25

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -48.145+/-0.215 χ^2/NDF:2256.9/8

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

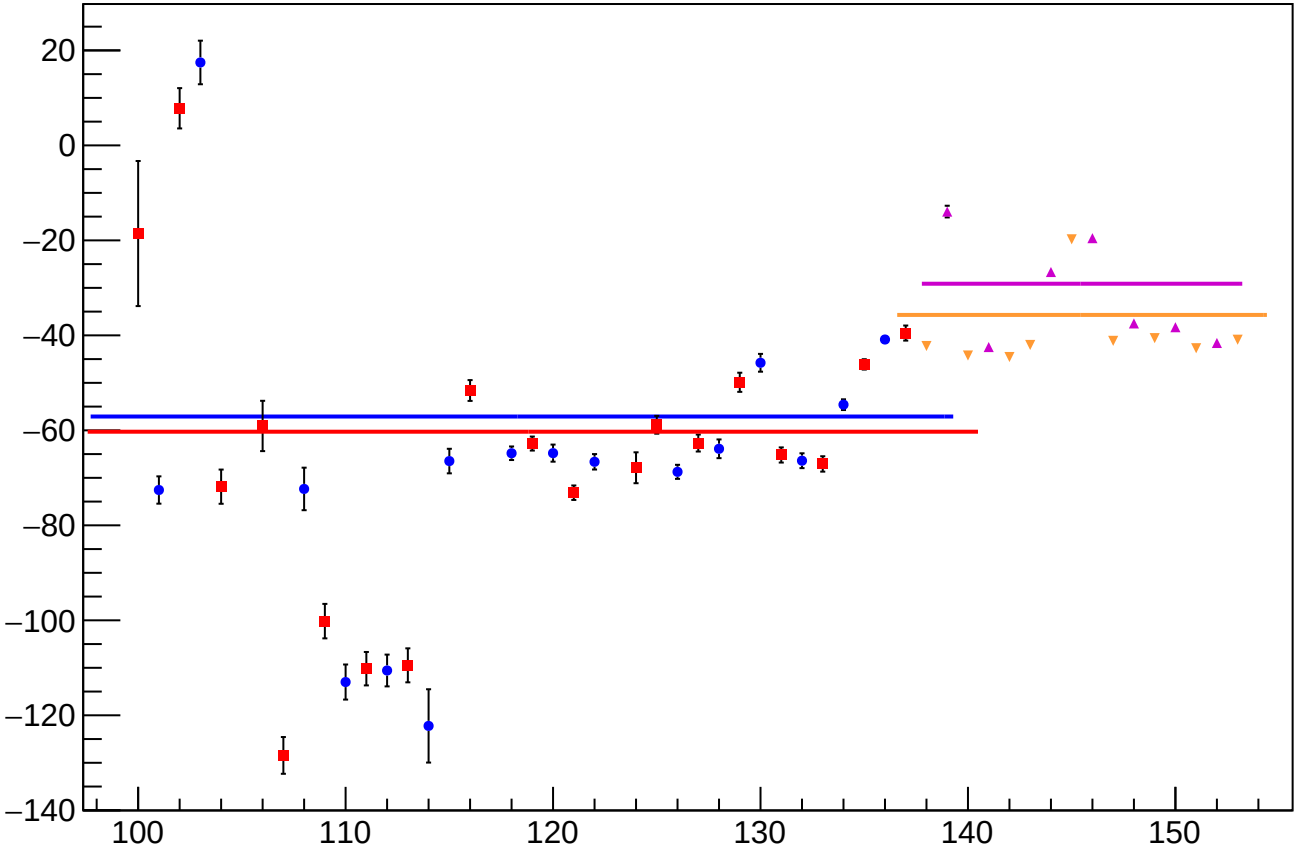
Left In: -43.361+/-0.216 χ^2/NDF:3080.6/6

+ sign -55.090+/-0.191 χ^2/NDF: 9205.8/24

All: -52.720+/-0.137 χ^2/NDF: 20500.2/50

- sign -50.229+/-0.196 χ^2/NDF: 10978.6/25

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -35.697+/-0.183 χ^2/NDF:3133.2/8

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

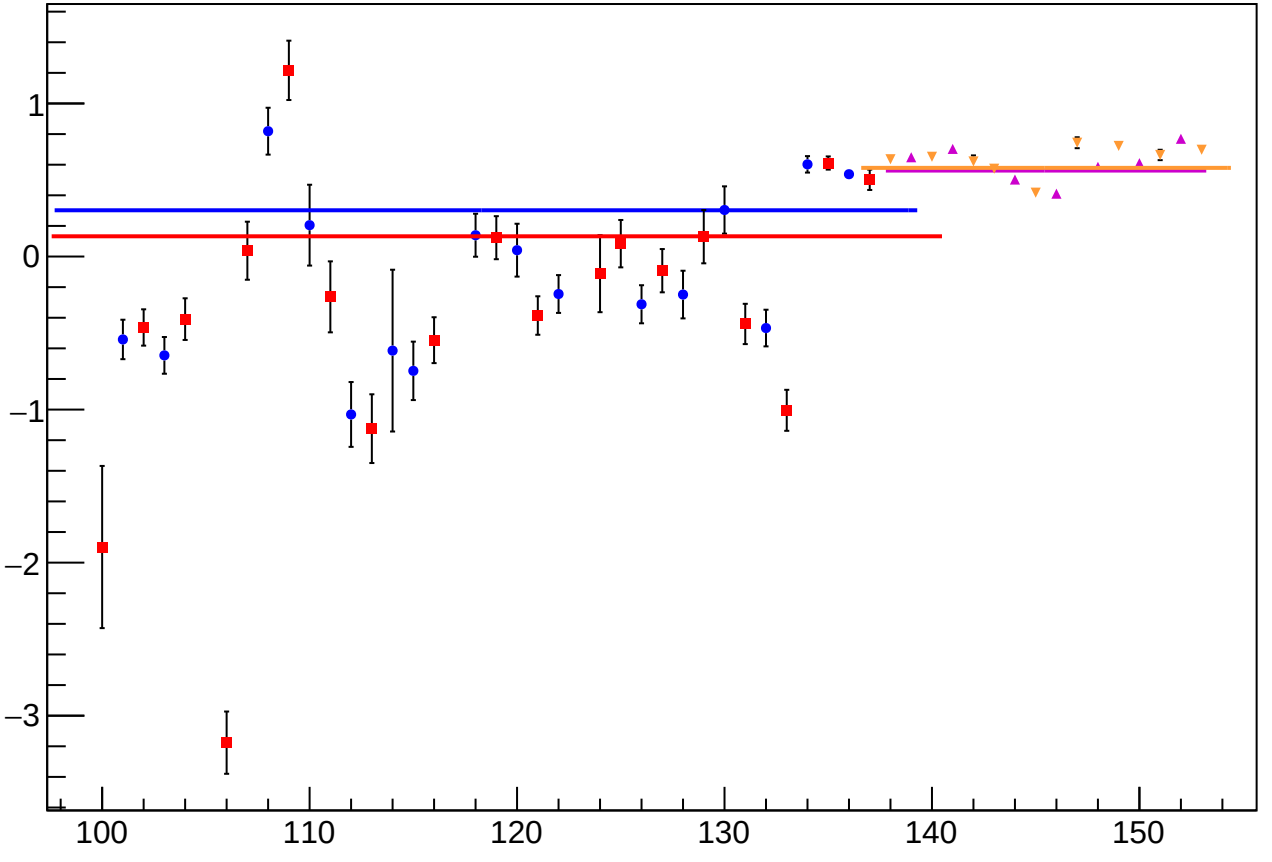
Left In: -29.129+/-0.180 χ^2/NDF:2608.3/6

+ sign -39.048+/-0.168 χ^2/NDF: 6789.2/24

All: -36.079+/-0.119 χ^2/NDF: 15437.3/50

- sign -33.119+/-0.168 χ^2/NDF: 8027.9/25

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.579+/-0.009 χ^2/NDF:198.0/8

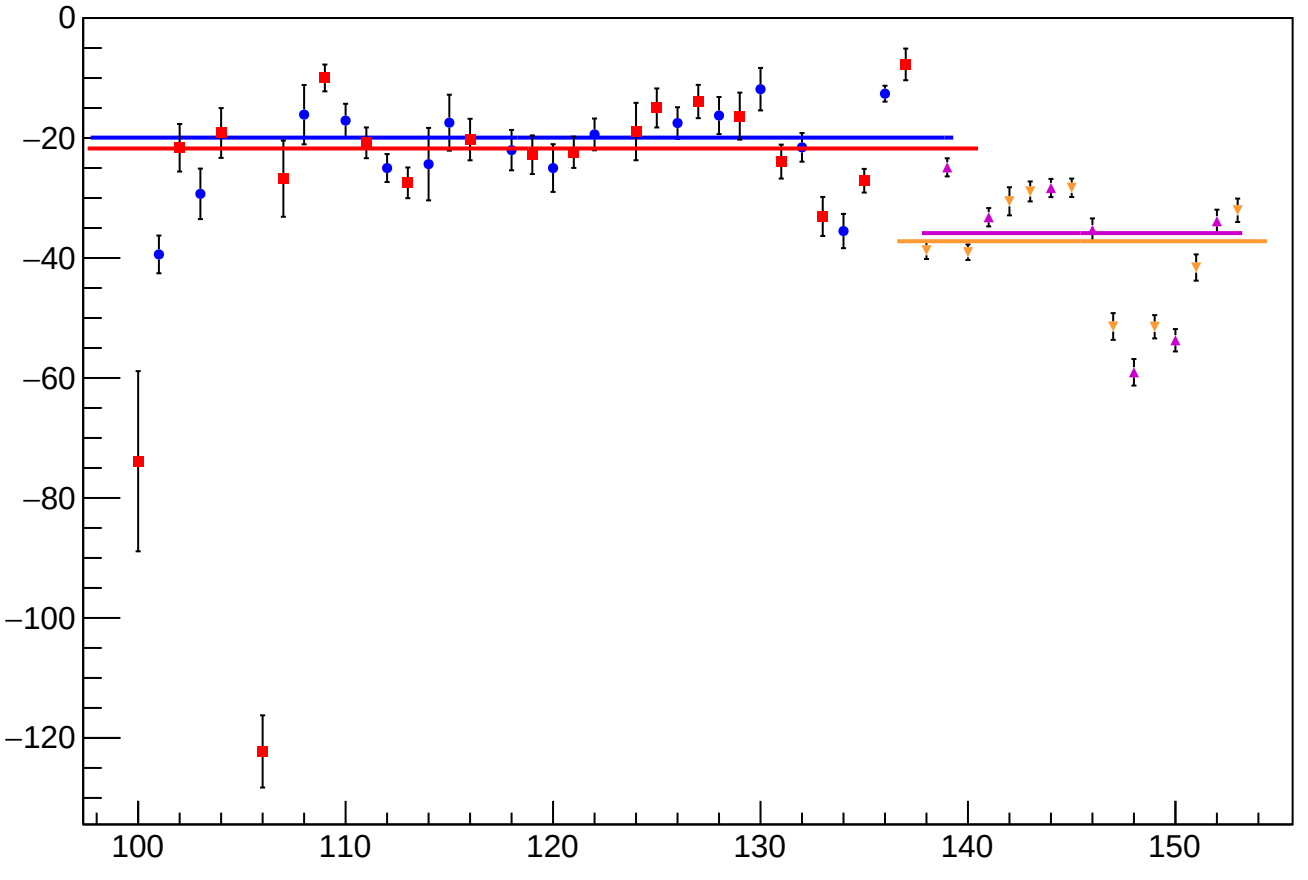
Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.562+/-0.009 χ^2/NDF:185.5/6

+ sign 0.544+/-0.008 χ^2/NDF: 700.3/24

All: 0.532+/-0.006 χ^2/NDF: 1799.2/50

- sign 0.518+/-0.008 χ^2/NDF: 1093.9/25



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -37.205+/-0.580 χ^2/NDF:175.1/8

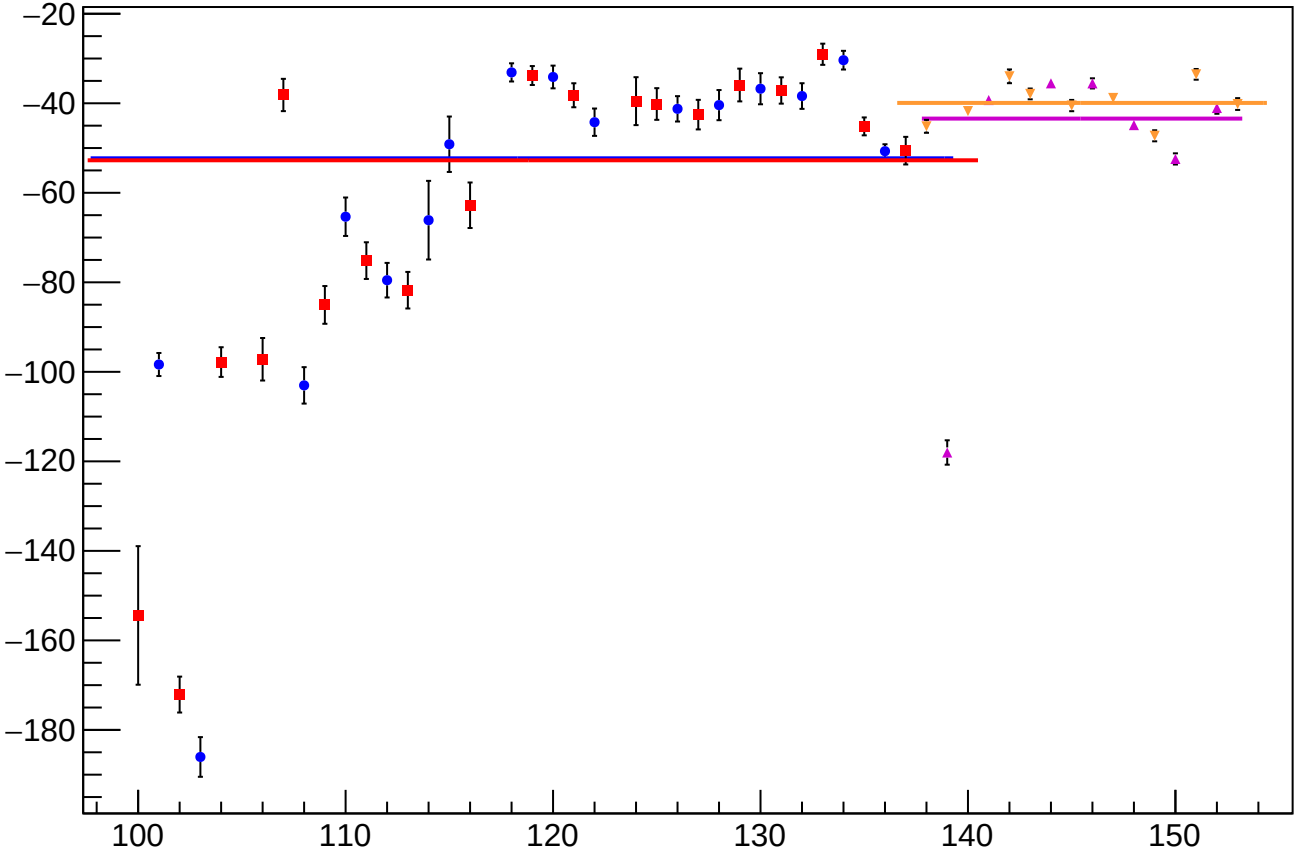
Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -35.851+/-0.656 χ^2/NDF:282.6/6

+ sign -30.106+/-0.445 χ^2/NDF: 659.5/24

All: -29.780+/-0.327 χ^2/NDF: 1543.6/50

- sign -29.396+/-0.483 χ^2/NDF: 882.8/25



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.918+/-0.410 χ^2/NDF:98.8/8

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

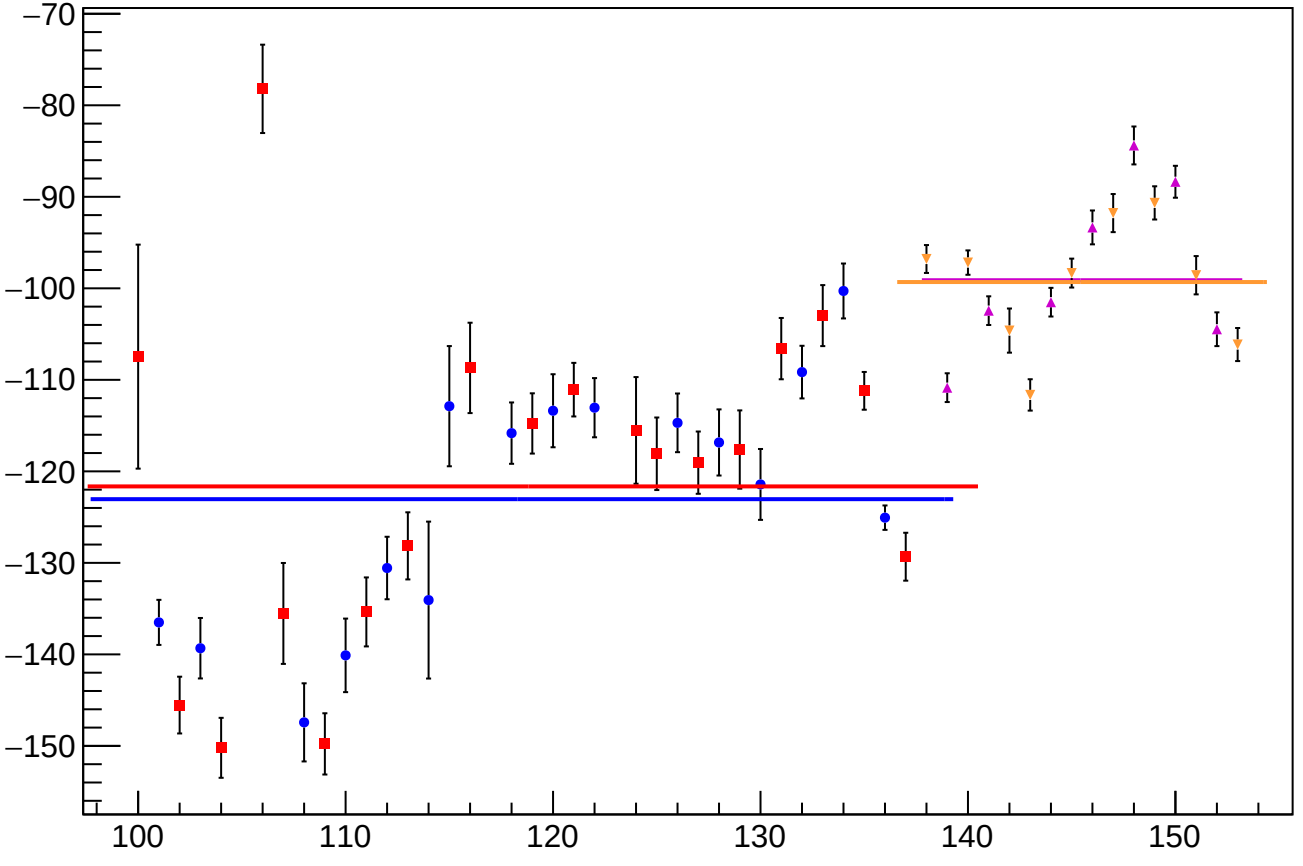
Left In: -43.422+/-0.464 χ^2/NDF:916.9/6

\+ sign -43.027+/-0.355 χ^2/NDF: 2105.9/24

All: -44.361+/-0.264 χ^2/NDF: 4828.9/50

\- sign -46.011+/-0.394 χ^2/NDF: 2691.4/25

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.313+/-0.580 χ^2/NDF:112.5/8

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

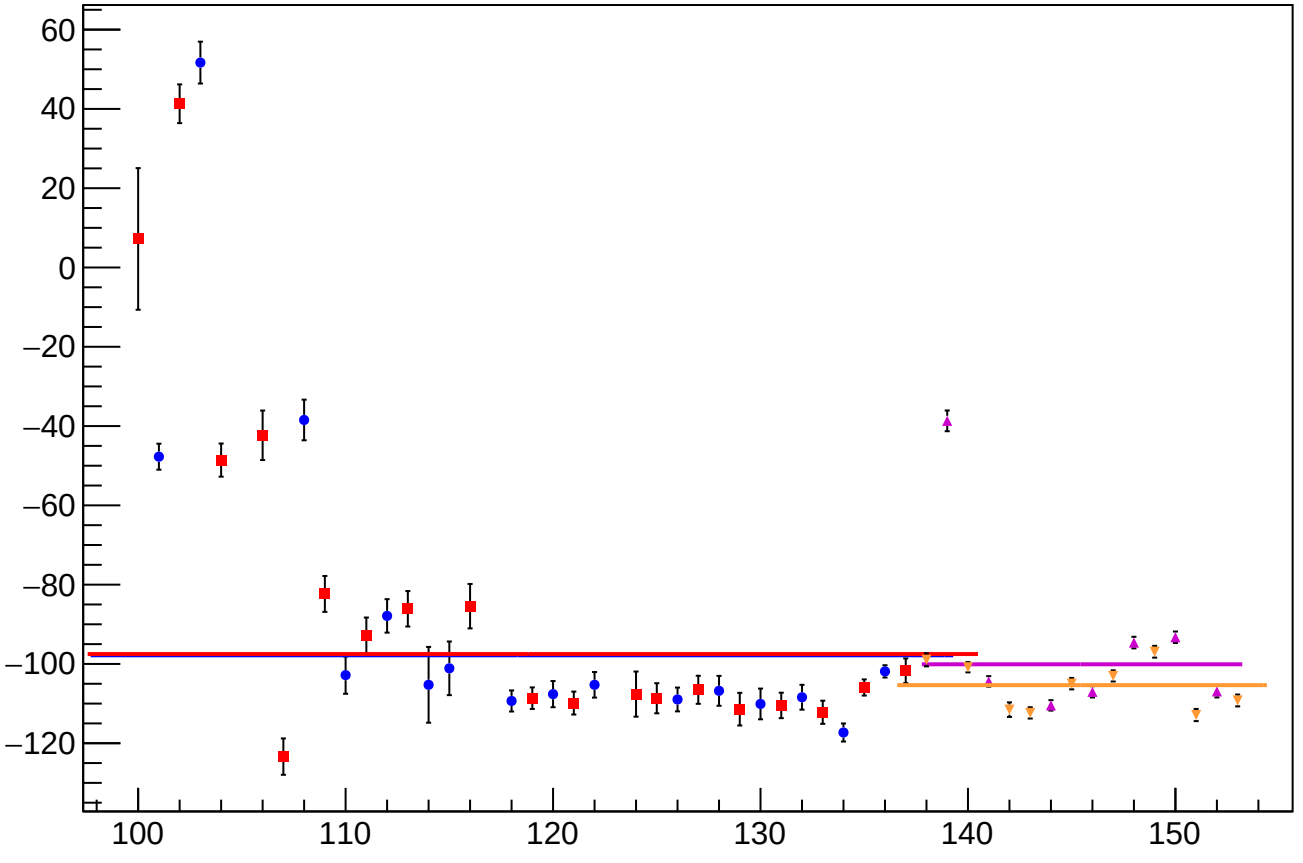
Left In: -99.115+/-0.650 χ^2/NDF:169.3/6

+ sign -108.186+/-0.459 χ^2/NDF: 965.8/24

All: -108.128+/-0.339 χ^2/NDF: 2036.6/50

- sign -108.058+/-0.505 χ^2/NDF: 1070.7/25

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -105.350+/-0.496 χ^2/NDF:128.2/8

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

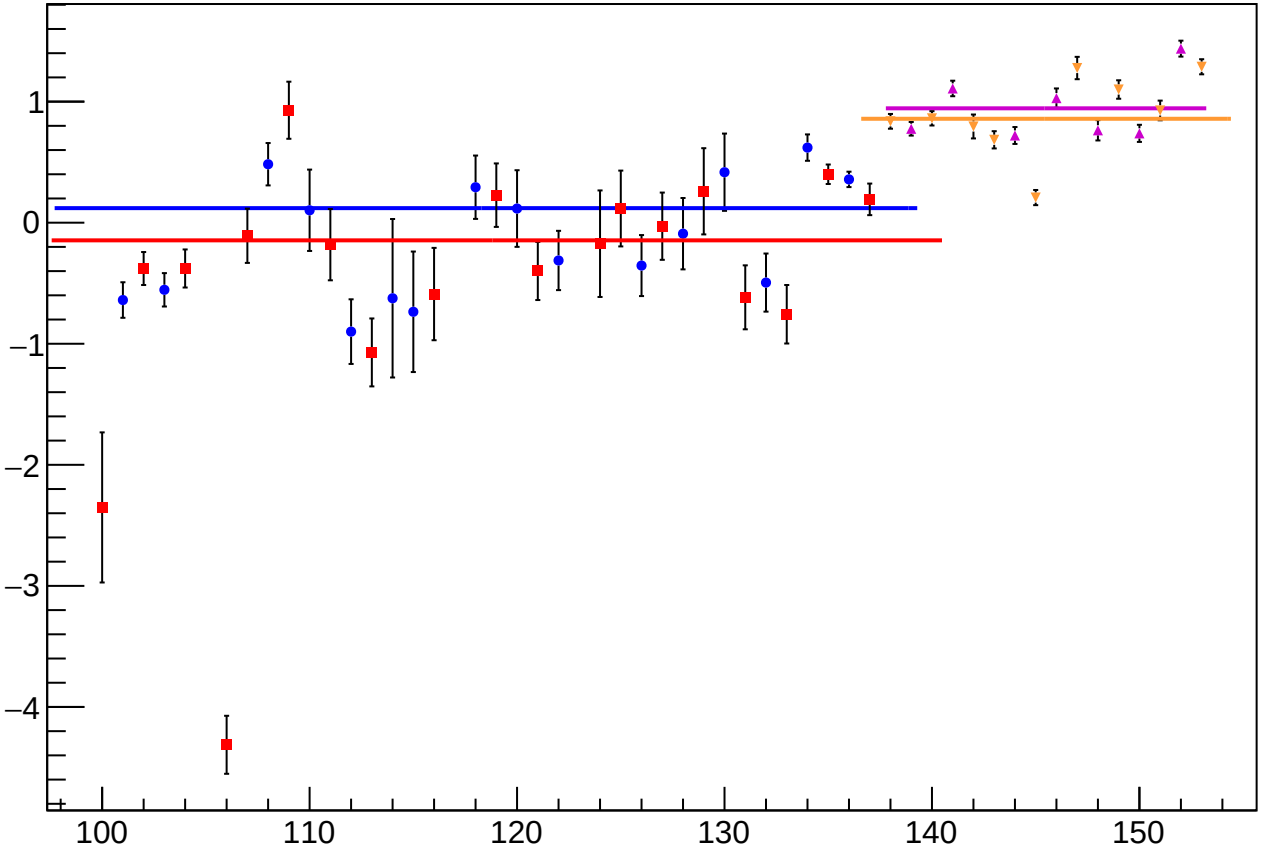
Left In: -100.090+/-0.563 χ^2/NDF:704.1/6

+ sign -103.228+/-0.421 χ^2/NDF: 1523.9/24

All: -101.468+/-0.313 χ^2/NDF: 3510.1/50

- sign -99.293+/-0.468 χ^2/NDF: 1947.1/25

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.858+/-0.024 χ^2/NDF:193.4/8

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

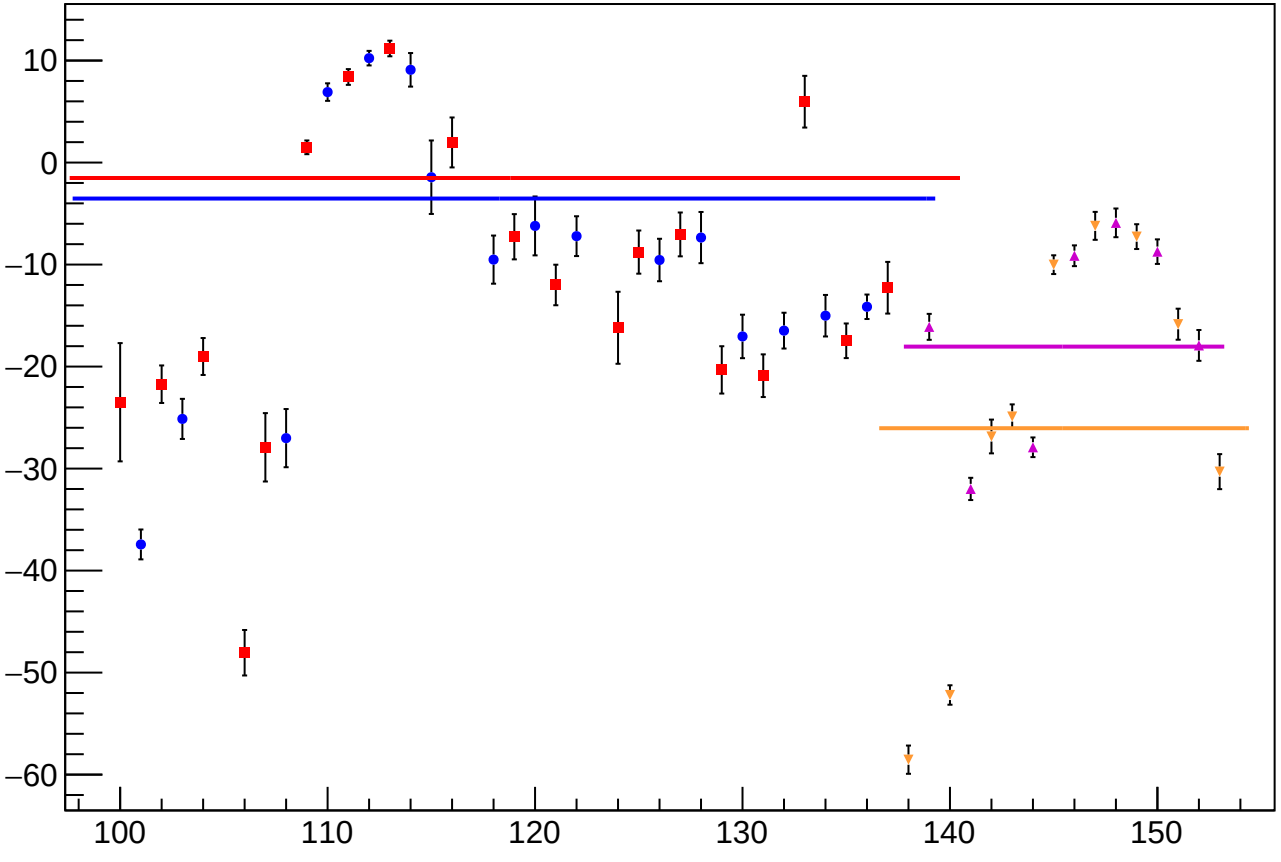
Left In: 0.945+/-0.026 χ^2/NDF:96.4/6

+ sign 0.677+/-0.020 χ^2/NDF: 559.2/24

All: 0.675+/-0.015 χ^2/NDF: 1519.9/50

- sign 0.673+/-0.022 χ^2/NDF: 960.6/25

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -26.043+/-0.413 χ^2/NDF:2107.5/8

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

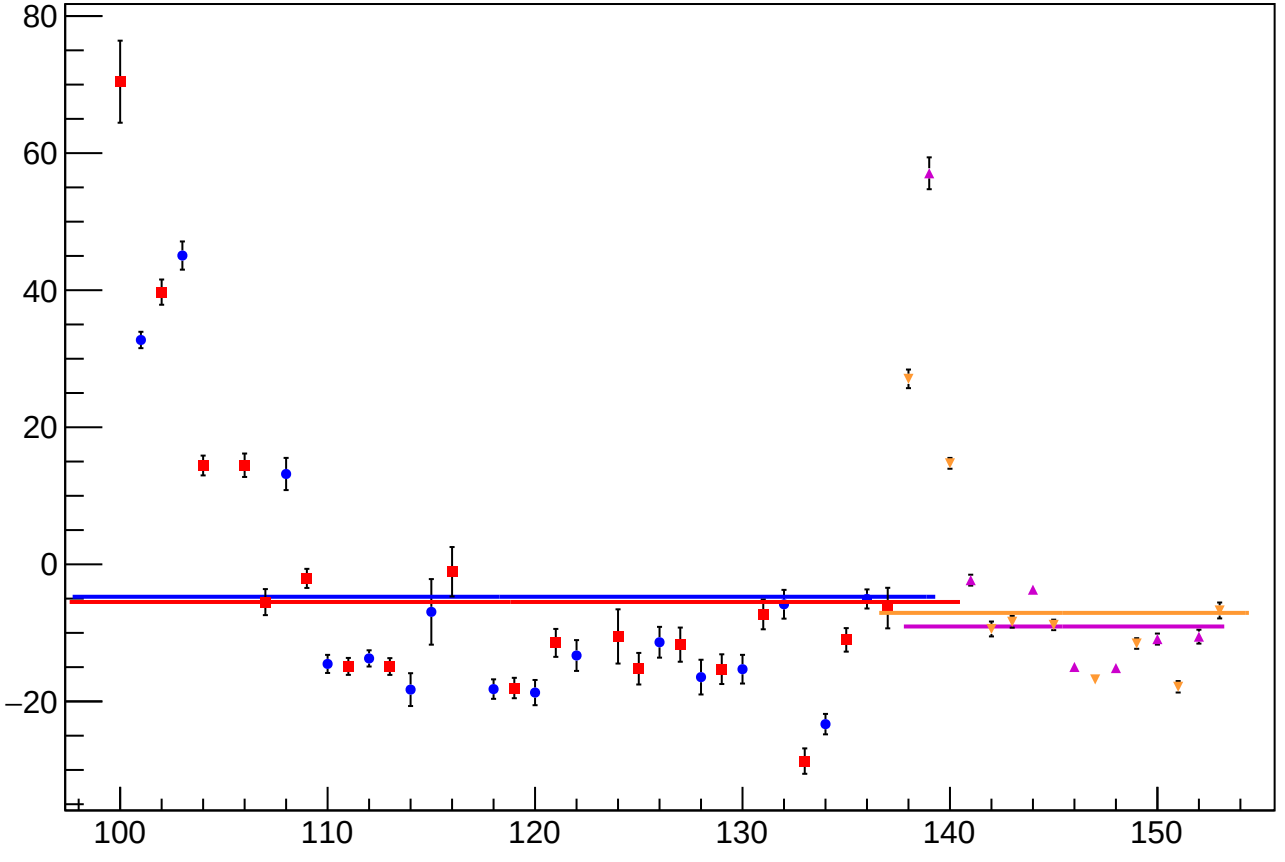
Left In: -18.043+/-0.441 χ^2/NDF:481.7/6

+ sign -13.746+/-0.278 χ^2/NDF: 5257.5/24

All: -10.580+/-0.193 χ^2/NDF: 8396.7/50

- sign -7.633+/-0.269 χ^2/NDF: 2889.5/25

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.083+/-0.284 χ^2/NDF:1840.2/8

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

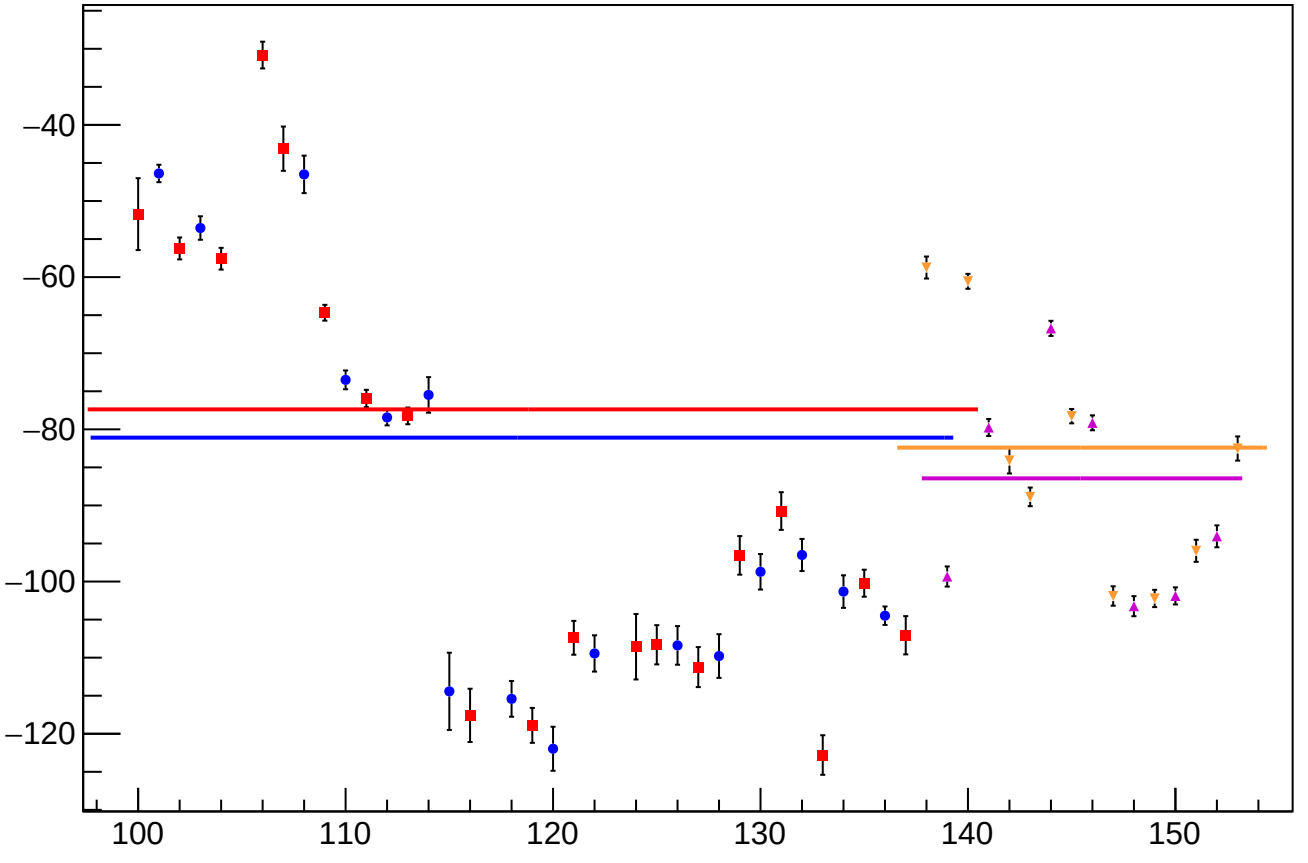
Left In: -9.068+/-0.300 χ^2/NDF:1121.0/6

+ sign -6.369+/-0.237 χ^2/NDF: 4008.9/24

All: -7.098+/-0.170 χ^2/NDF: 6705.7/50

- sign -7.870+/-0.244 χ^2/NDF: 2677.3/25

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -82.403+/-0.411 χ^2/NDF:1437.6/8

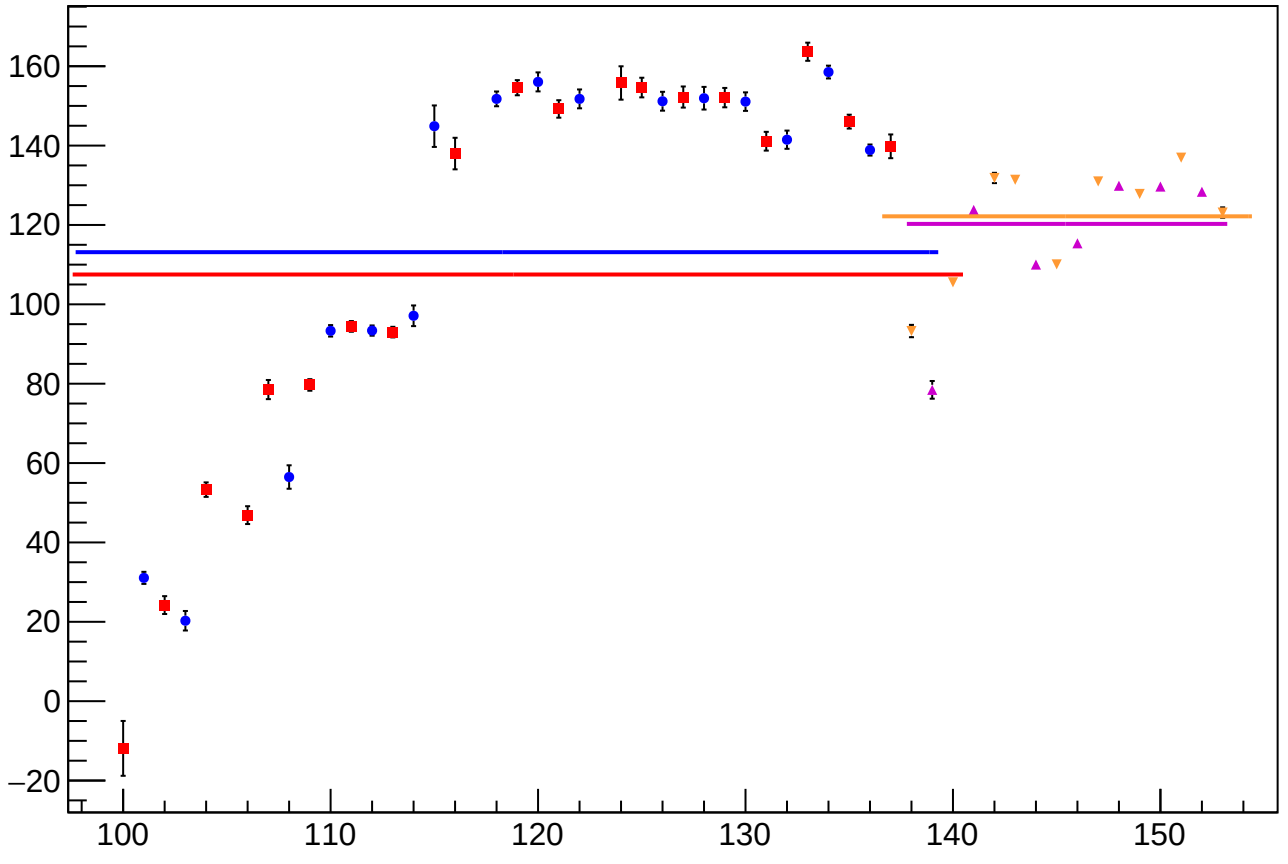
Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -86.443+/-0.435 χ^2/NDF:958.9/6

\+ sign -81.789+/-0.300 χ^2/NDF: 4312.6/24

All: -81.751+/-0.213 χ^2/NDF: 8627.3/50

\- sign -81.713+/-0.301 χ^2/NDF: 4314.6/25



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 122.175+/-0.347 χ^2/NDF:1312.0/8

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

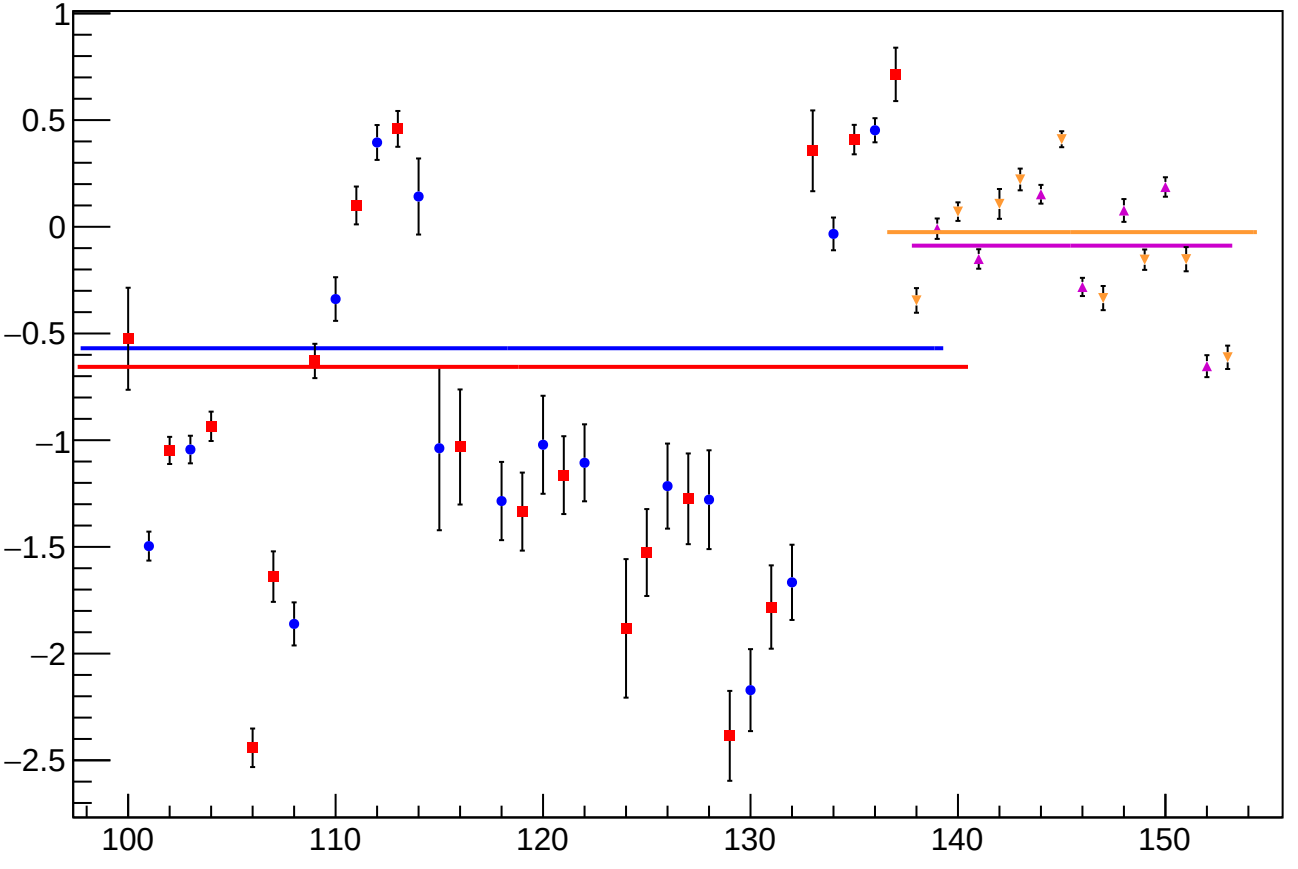
Left In: 120.265+/-0.365 χ^2/NDF:811.9/6

+ sign 119.156+/-0.283 χ^2/NDF: 9743.3/24

All: 117.416+/-0.203 χ^2/NDF: 18624.4/50

- sign 115.578+/-0.291 χ^2/NDF: 8803.3/25

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.025+/-0.017 χ^2/NDF:355.0/8

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

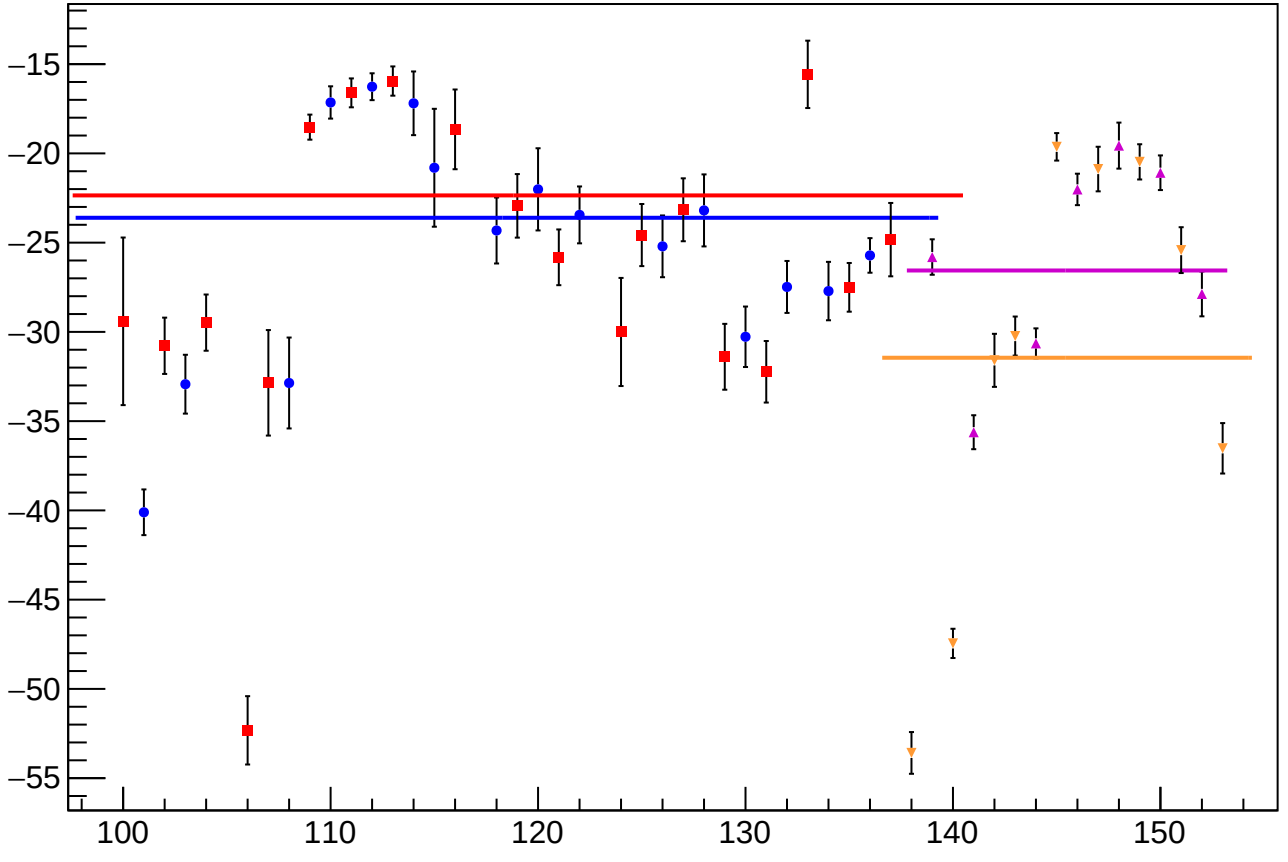
Left In: -0.088+/-0.018 χ^2/NDF:221.5/6

+ sign -0.187+/-0.014 χ^2/NDF: 1764.7/24

All: -0.230+/-0.010 χ^2/NDF: 3660.6/50

- sign -0.276+/-0.014 χ^2/NDF: 1876.8/25

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.448+/-0.354 χ^2/NDF:1206.8/8

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

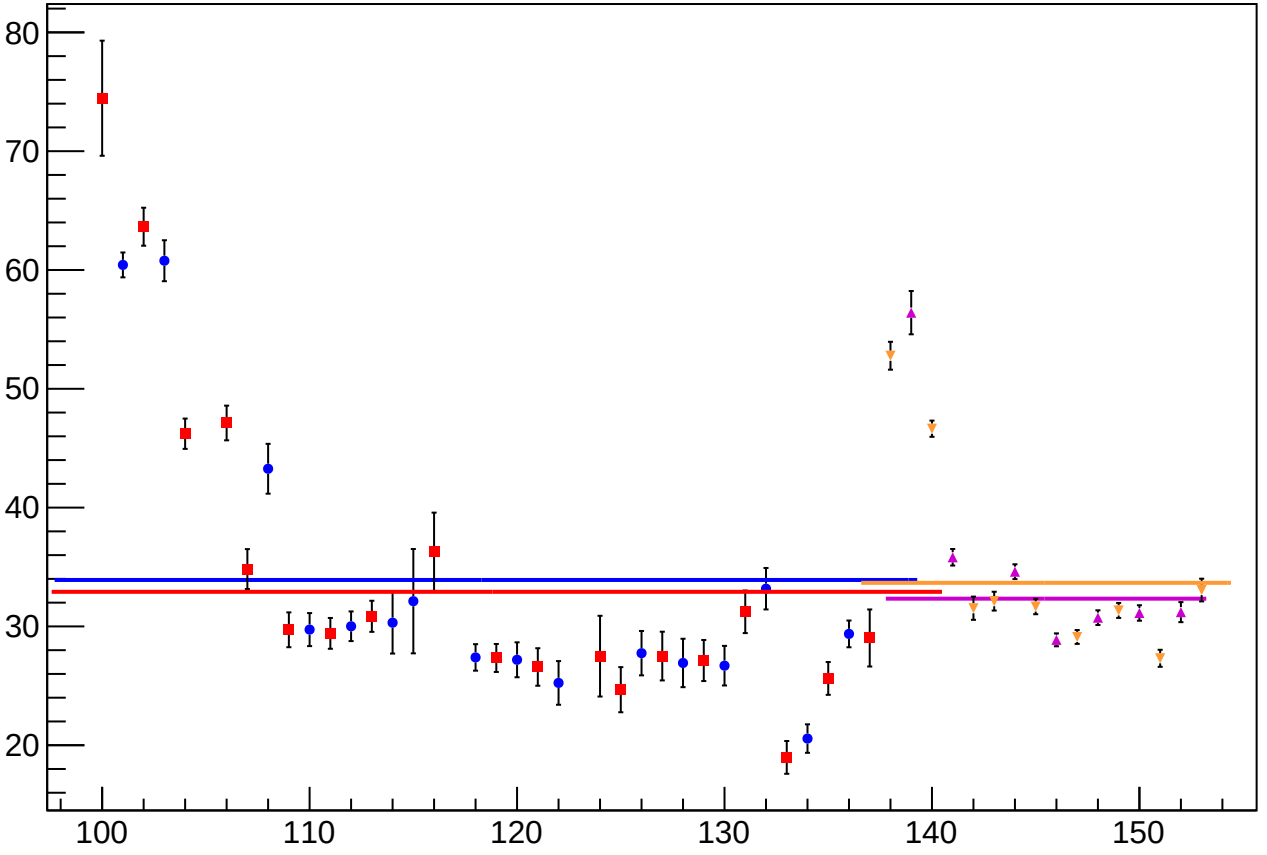
Left In: -26.560+/-0.375 χ^2/NDF:203.9/6

+ sign -27.462+/-0.248 χ^2/NDF: 1862.4/24

All: -25.772+/-0.174 χ^2/NDF: 2781.6/50

- sign -24.139+/-0.244 χ^2/NDF: 828.2/25

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.668+/-0.247 χ^2/NDF:798.9/8

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

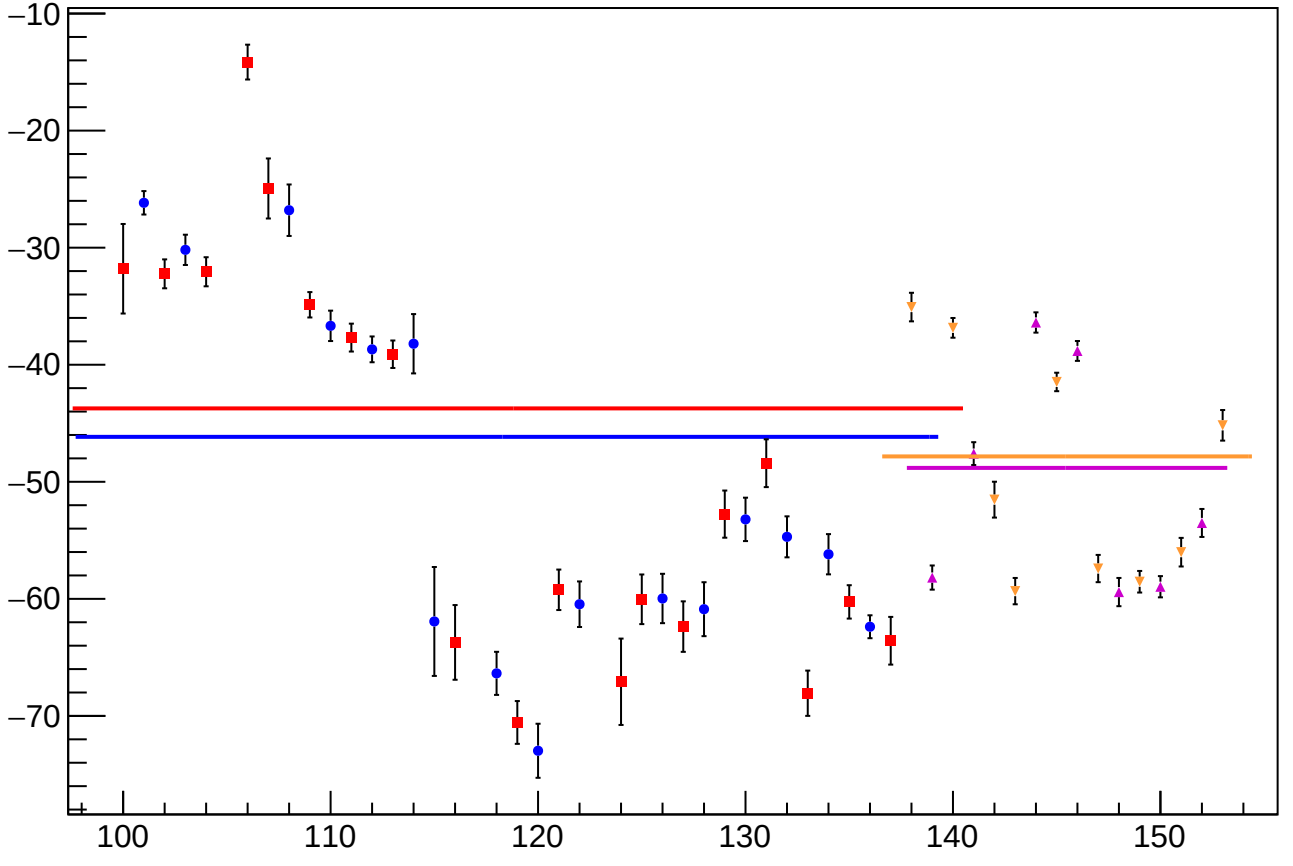
Left In: 32.336+/-0.261 χ^2/NDF:265.4/6

+ sign 33.741+/-0.206 χ^2/NDF: 1983.6/24

All: 33.155+/-0.148 χ^2/NDF: 3142.3/50

- sign 32.525+/-0.214 χ^2/NDF: 1141.9/25

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -47.832+/-0.352 χ^2/NDF:705.9/8

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

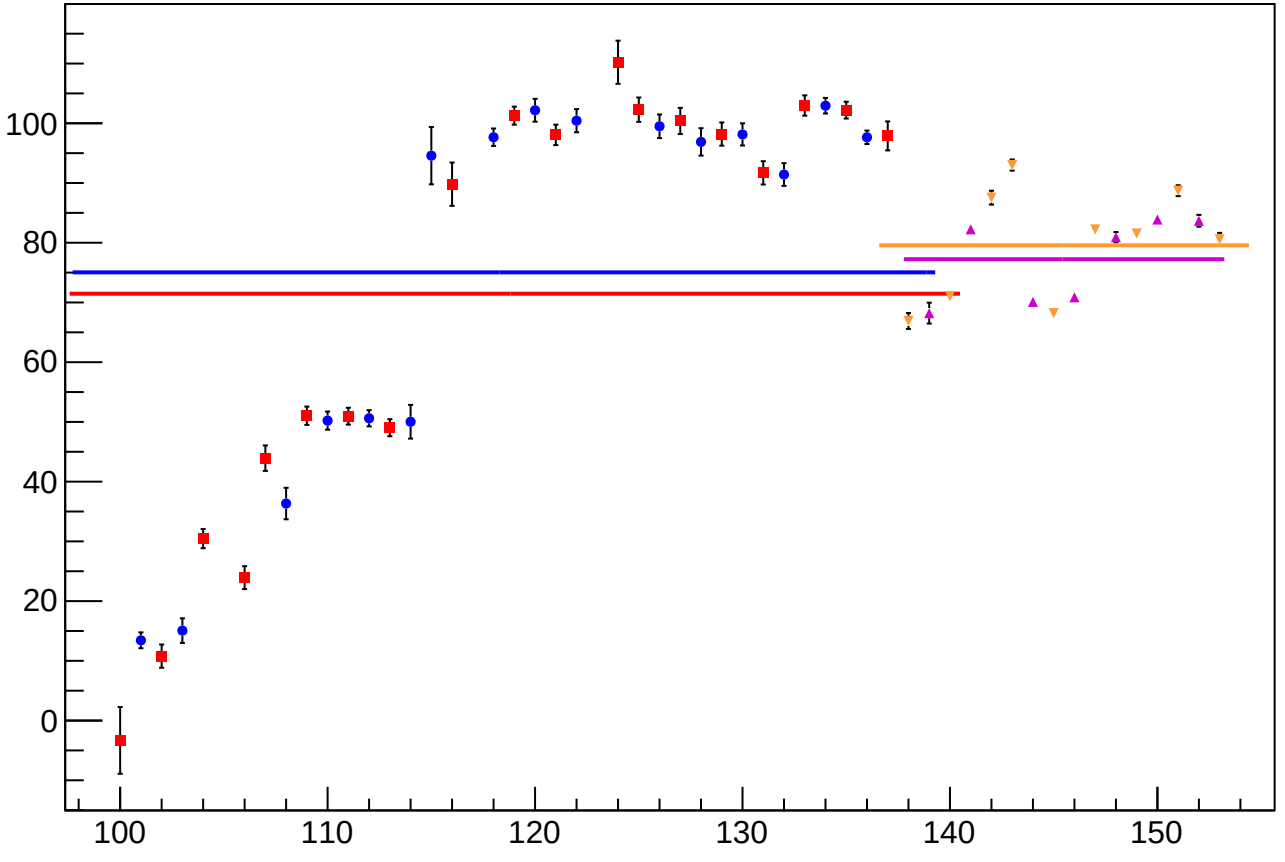
Left In: -48.813+/-0.370 χ^2/NDF:646.3/6

+ sign -47.081+/-0.261 χ^2/NDF: 2205.7/24

All: -46.710+/-0.186 χ^2/NDF: 4611.7/50

- sign -46.330+/-0.264 χ^2/NDF: 2402.0/25

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.571+/-0.299 χ^2/NDF:807.8/8

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

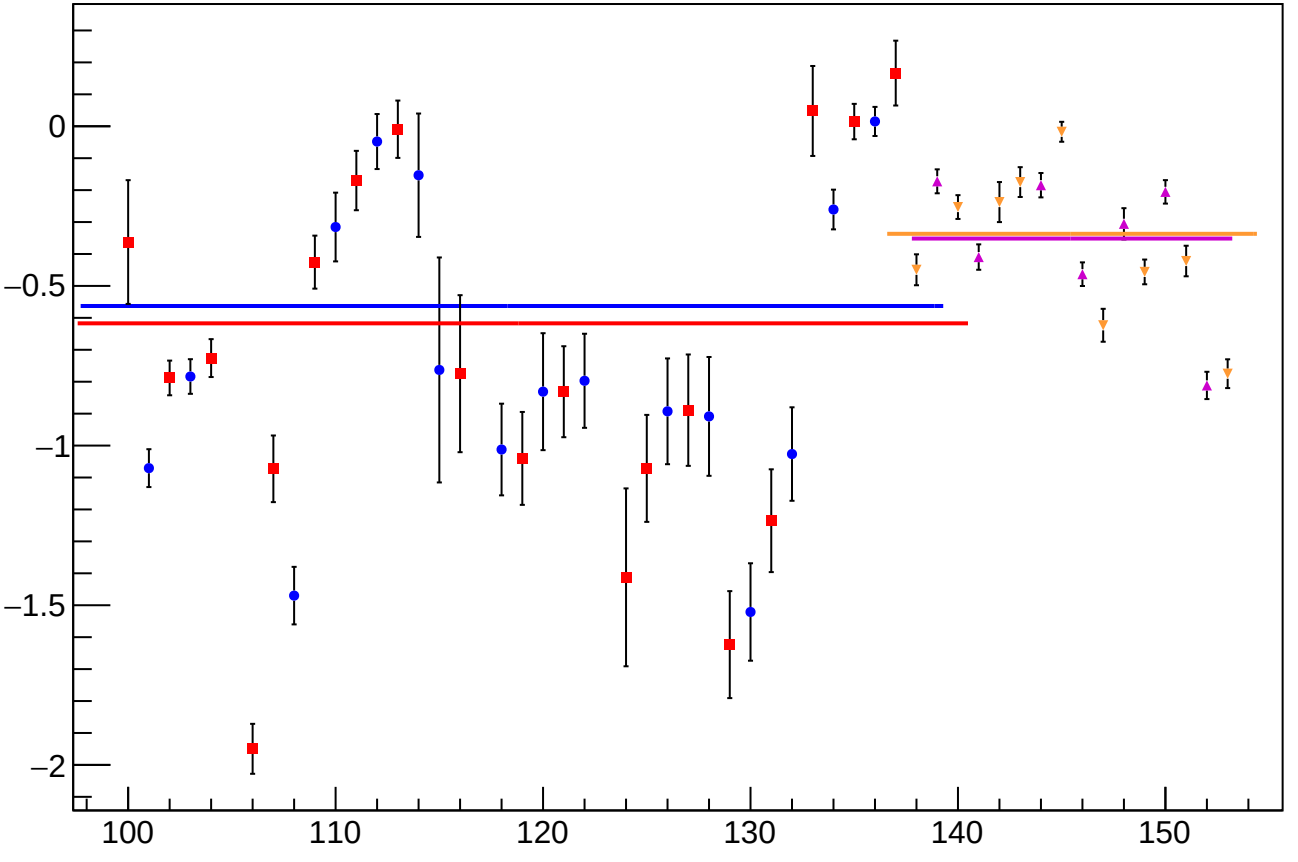
Left In: 77.241+/-0.315 χ^2/NDF:388.5/6

+ sign 78.081+/-0.245 χ^2/NDF: 6711.4/24

All: 76.685+/-0.176 χ^2/NDF: 12913.9/50

- sign 75.194+/-0.253 χ^2/NDF: 6135.4/25

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.337+/-0.014 χ^2/NDF:267.9/8

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

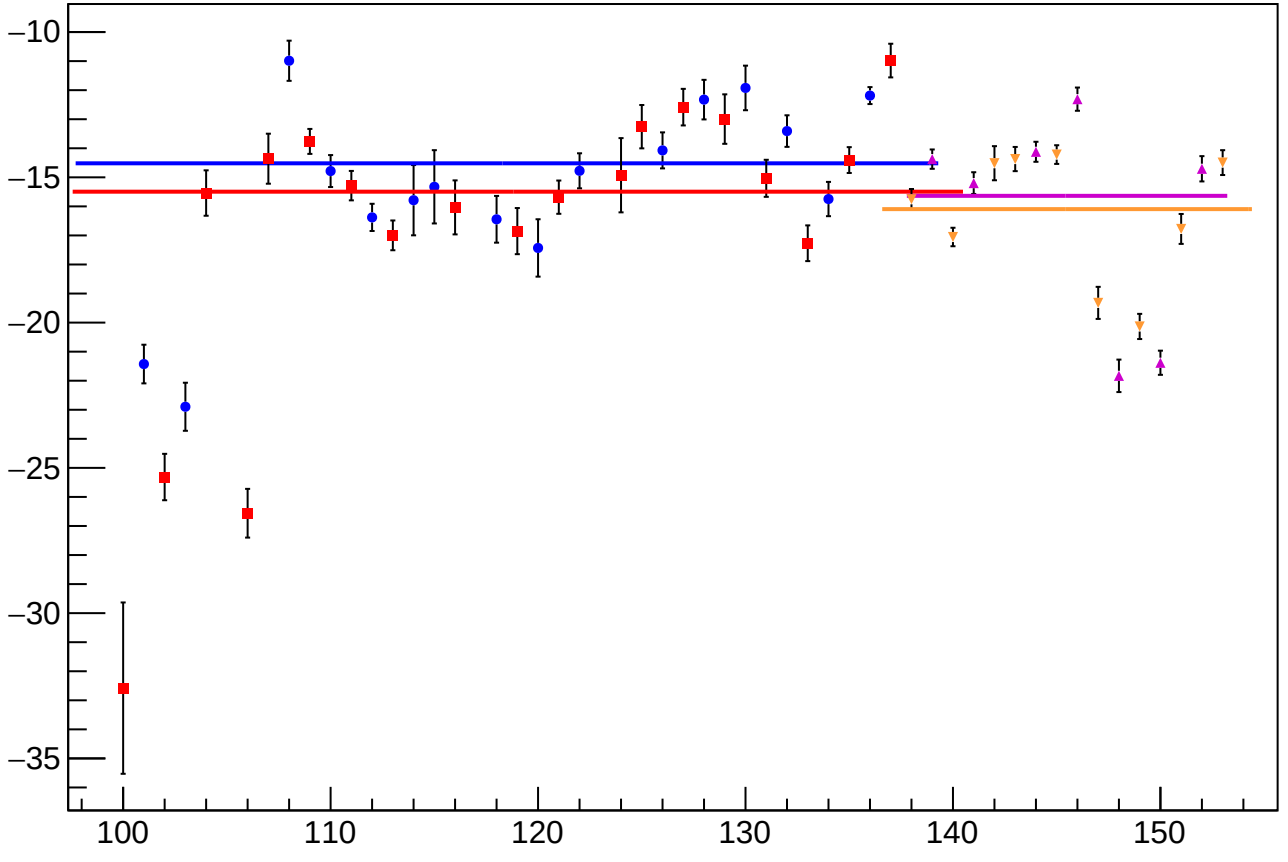
Left In: -0.352+/-0.015 χ^2/NDF:185.9/6

+ sign -0.403+/-0.012 χ^2/NDF: 833.8/24

All: -0.419+/-0.009 χ^2/NDF: 1811.4/50

- sign -0.435+/-0.012 χ^2/NDF: 974.3/25

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -16.094+/-0.136 χ^2/NDF:205.3/8

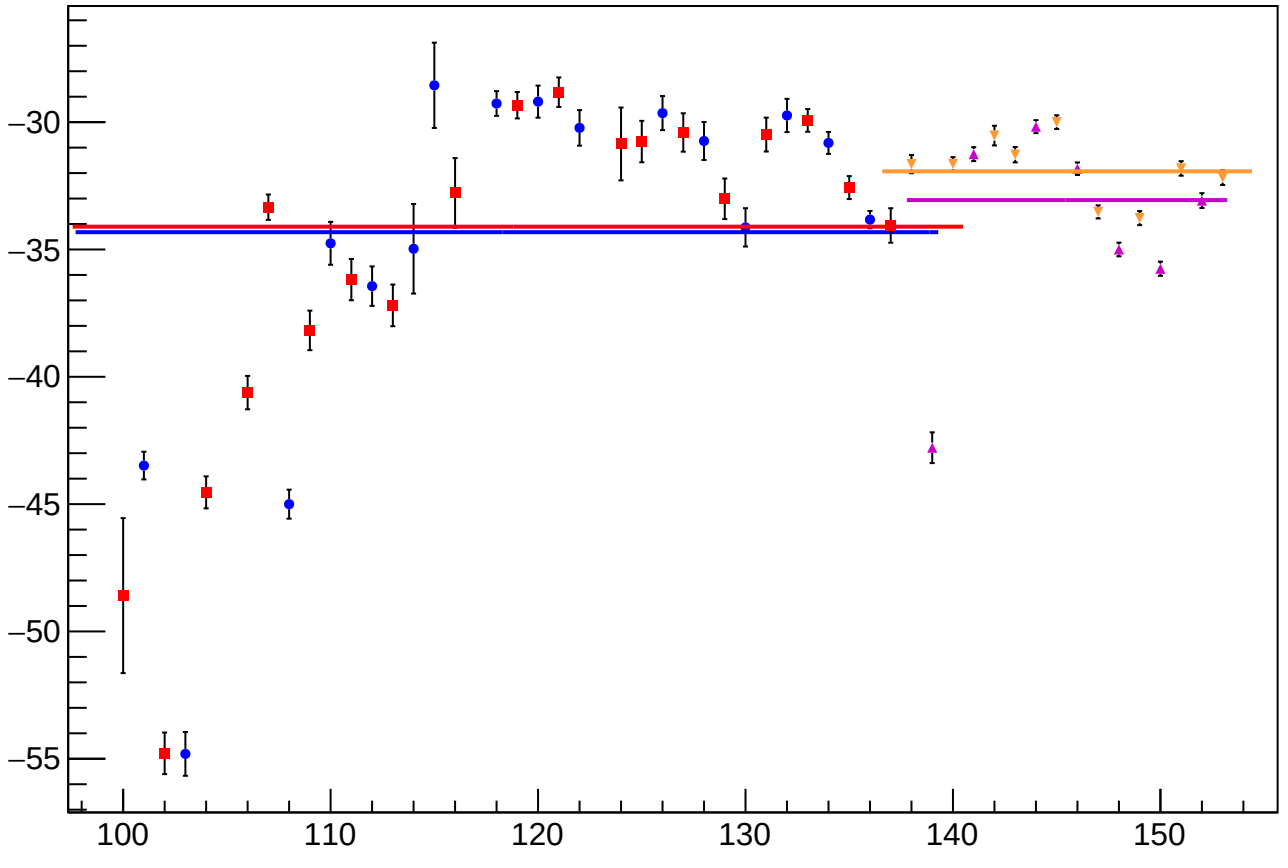
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.637+/-0.149 χ^2/NDF:422.7/6

+ sign -15.380+/-0.101 χ^2/NDF: 629.6/24

All: -15.469+/-0.073 χ^2/NDF: 1558.2/50

- sign -15.566+/-0.106 χ^2/NDF: 927.0/25



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.931+/-0.097 χ^2/NDF:154.4/8

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

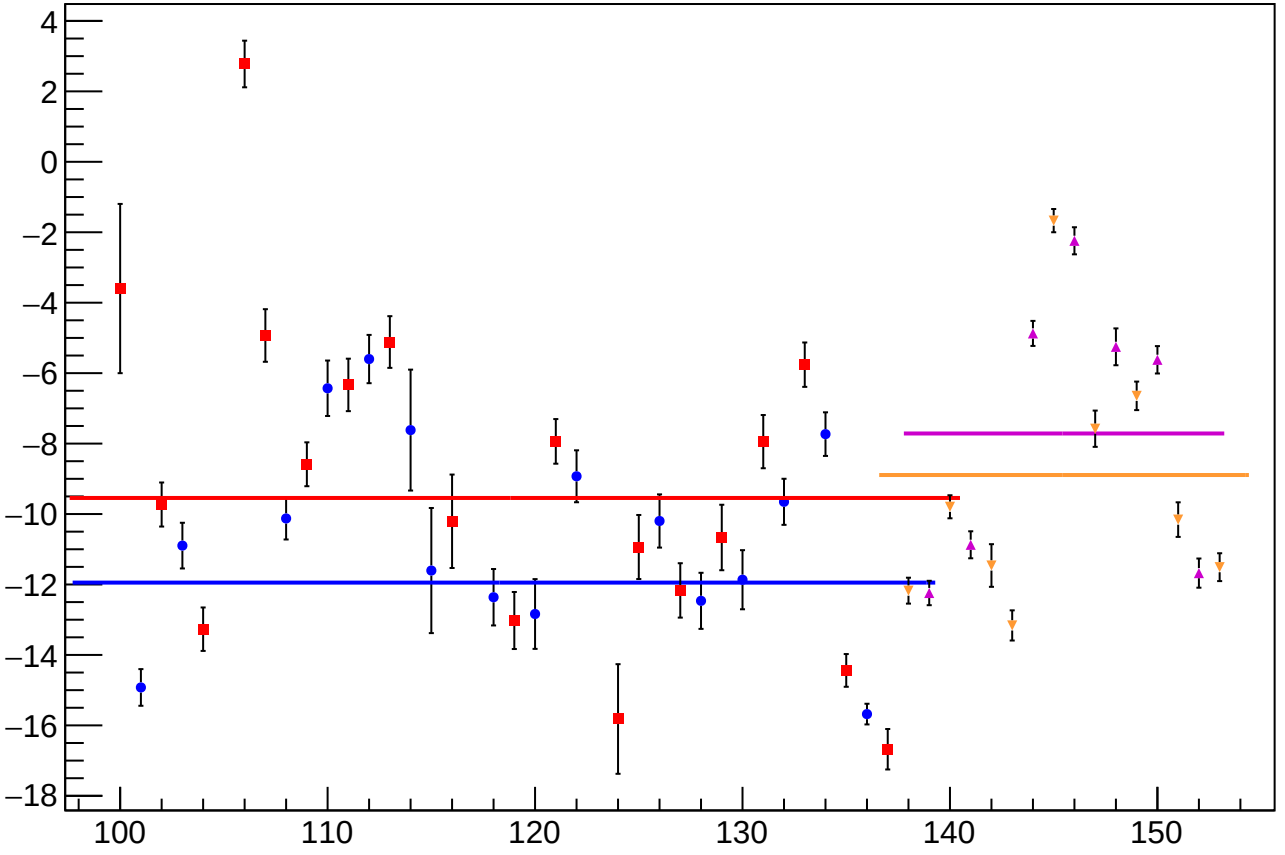
Left In: -33.060+/-0.108 χ^2/NDF:599.4/6

+ sign -32.616+/-0.082 χ^2/NDF: 1948.4/24

All: -32.981+/-0.060 χ^2/NDF: 4055.9/50

- sign -33.402+/-0.088 χ^2/NDF: 2065.1/25

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -8.892+/-0.135 χ^2/NDF:771.3/8

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

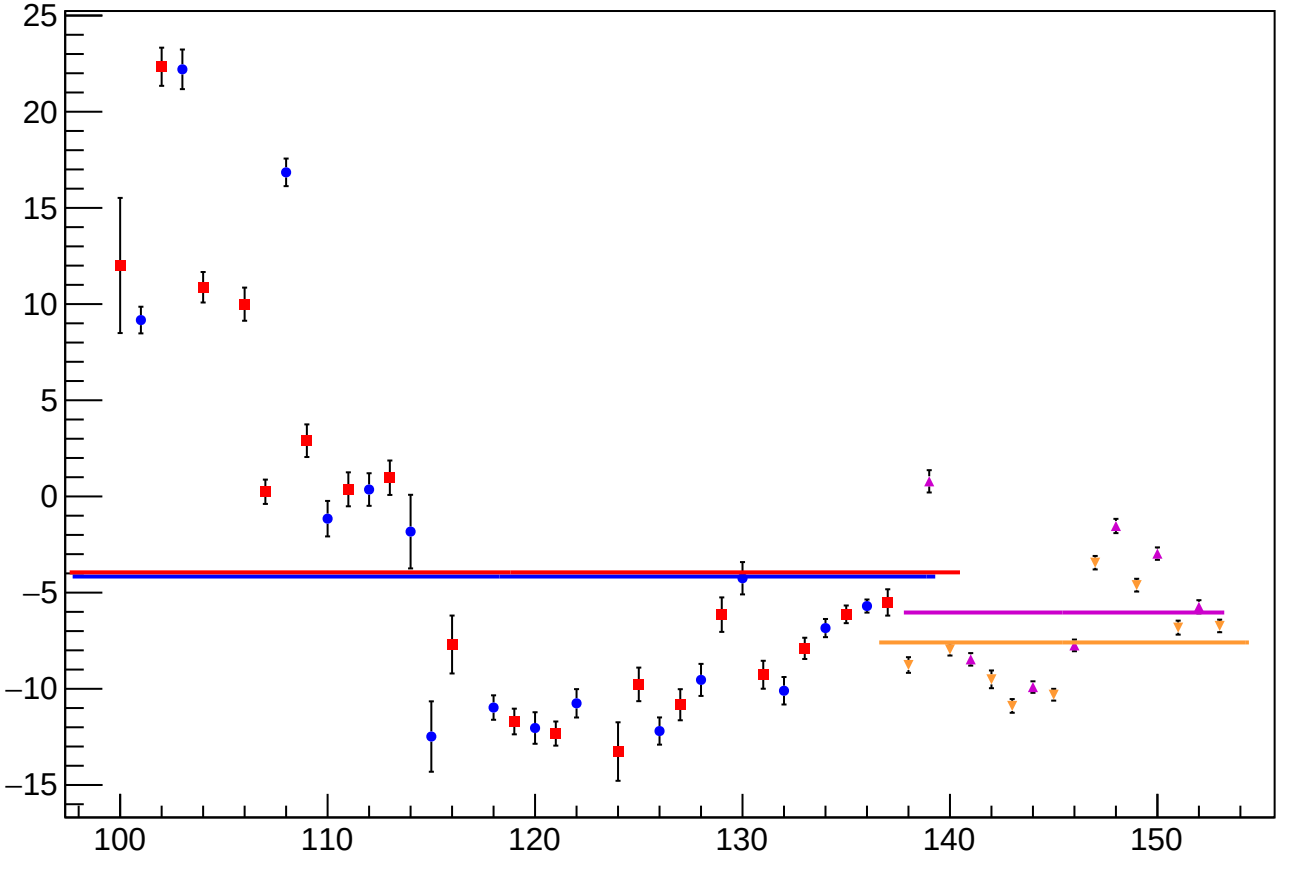
Left In: -7.713+/-0.148 χ^2/NDF:647.8/6

+ sign -10.166+/-0.103 χ^2/NDF: 1413.3/24

All: -9.397+/-0.075 χ^2/NDF: 3094.5/50

- sign -8.525+/-0.110 χ^2/NDF: 1563.2/25

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -7.590+/-0.117 χ^2/NDF:422.5/8

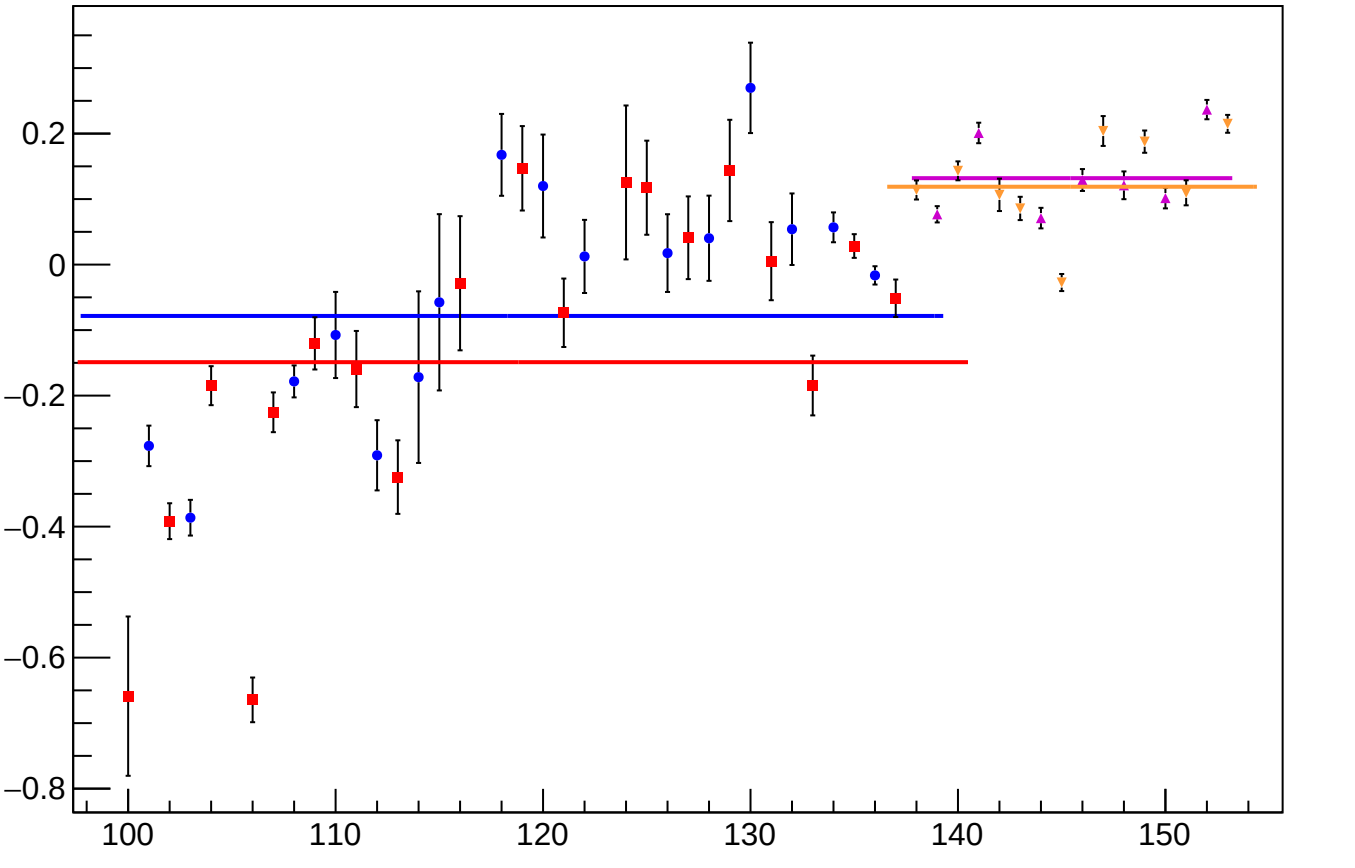
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.034+/-0.129 χ^2/NDF:632.1/6

+ sign -6.507+/-0.097 χ^2/NDF: 3219.3/24

All: -5.950+/-0.071 χ^2/NDF: 6124.7/50

- sign -5.303+/-0.104 χ^2/NDF: 2833.6/25



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.119+/-0.005 χ^2/NDF:212.5/8

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

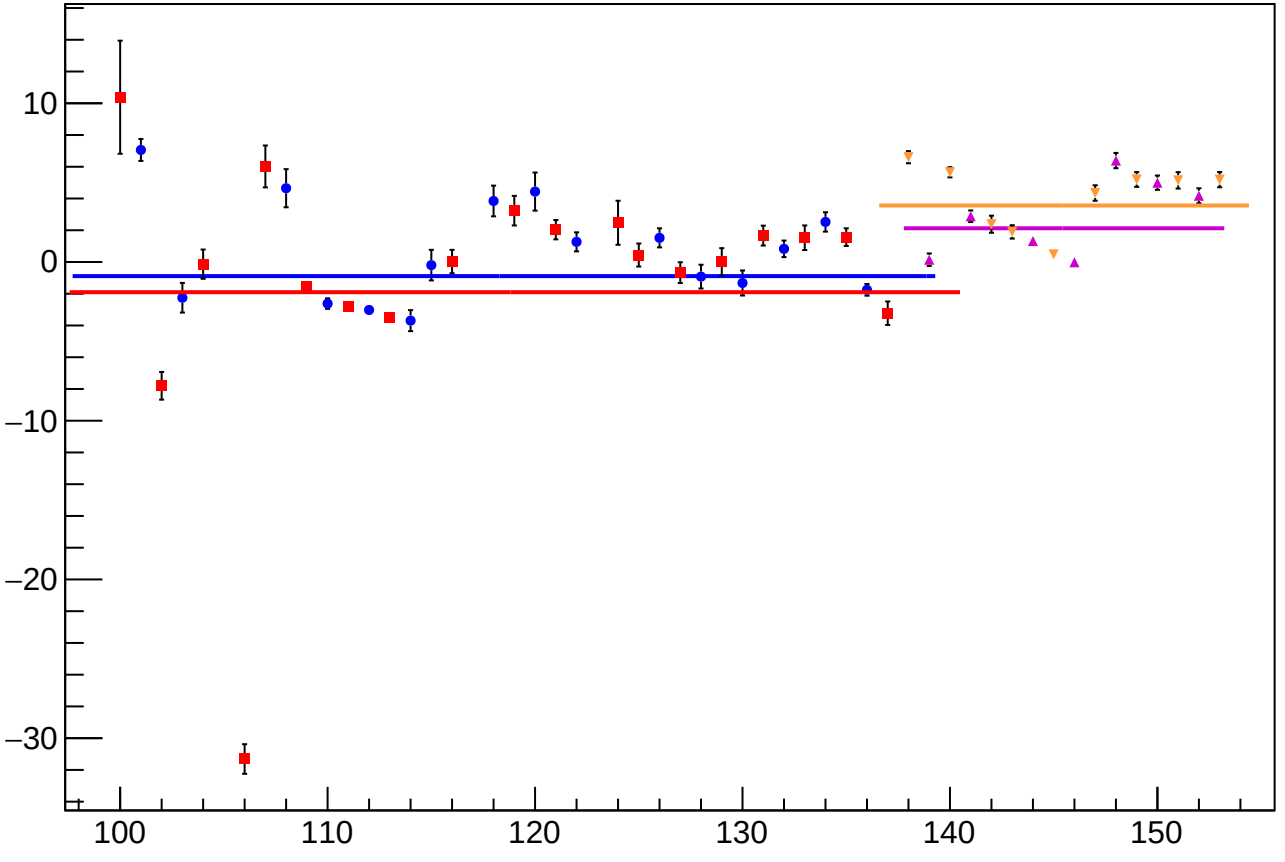
Left In: 0.132+/-0.006 χ^2/NDF:108.5/6

+ sign 0.062+/-0.005 χ^2/NDF: 908.6/24

All: 0.056+/-0.003 χ^2/NDF: 2221.4/50

- sign 0.049+/-0.005 χ^2/NDF: 1309.2/25

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.560+/-0.130 χ^2/NDF:320.0/8

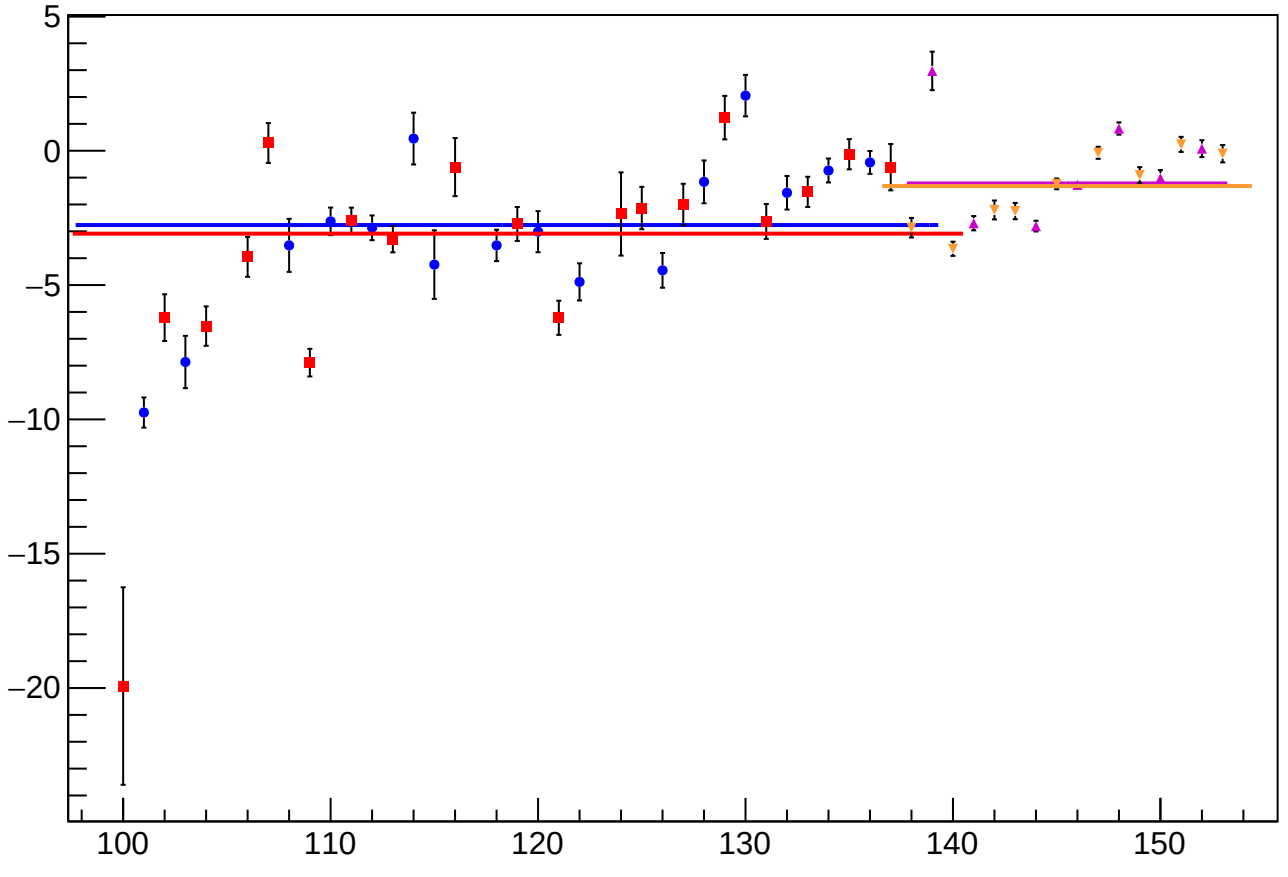
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.124+/-0.138 χ^2/NDF:226.6/6

+ sign 1.446+/-0.094 χ^2/NDF: 1257.0/24

All: 0.703+/-0.067 χ^2/NDF: 3395.6/50

- sign -0.037+/-0.094 χ^2/NDF: 2014.5/25



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.314+/-0.092 χ^2/NDF:188.7/8

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

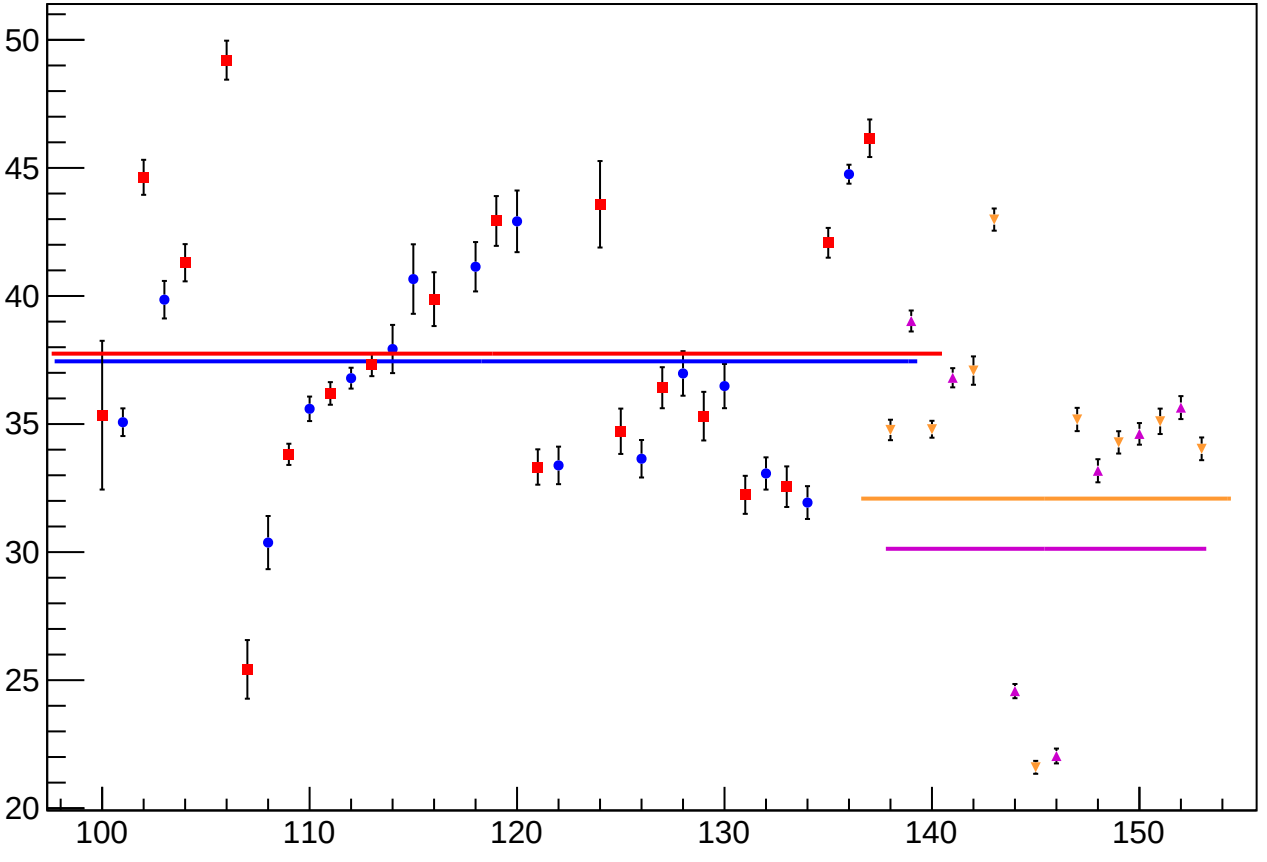
Left In: -1.219+/-0.094 χ^2/NDF:226.5/6

+ sign -1.685+/-0.079 χ^2/NDF: 563.0/24

All: -1.696+/-0.056 χ^2/NDF: 1165.7/50

- sign -1.708+/-0.081 χ^2/NDF: 602.6/25

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 32.089+/-0.130 χ^2/NDF:2681.6/8

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

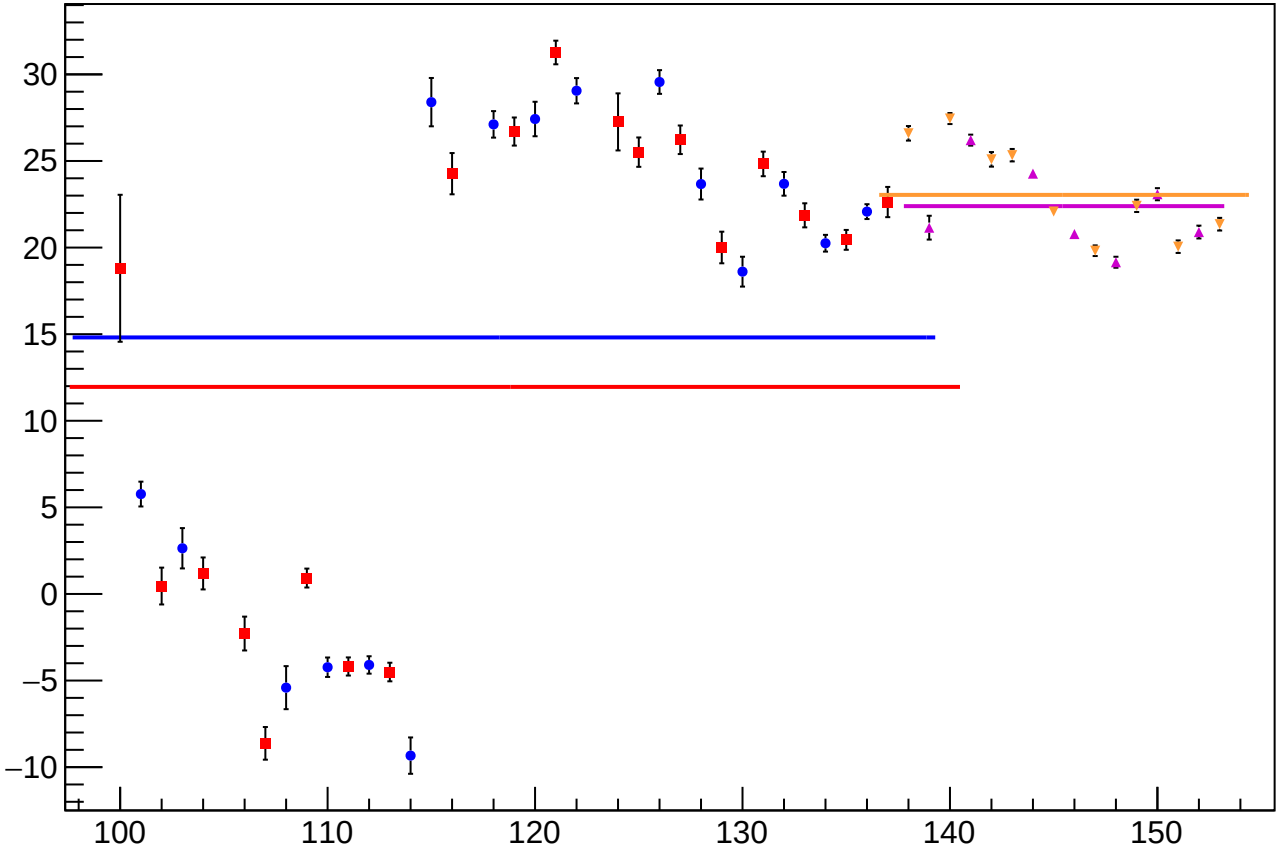
Left In: 30.130+/-0.137 χ^2/NDF:2276.5/6

+ sign 34.213+/-0.101 χ^2/NDF: 4060.0/24

All: 33.798+/-0.072 χ^2/NDF: 8650.0/50

- sign 33.361+/-0.104 χ^2/NDF: 4555.6/25

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.042+/-0.111 χ^2/NDF:547.0/8

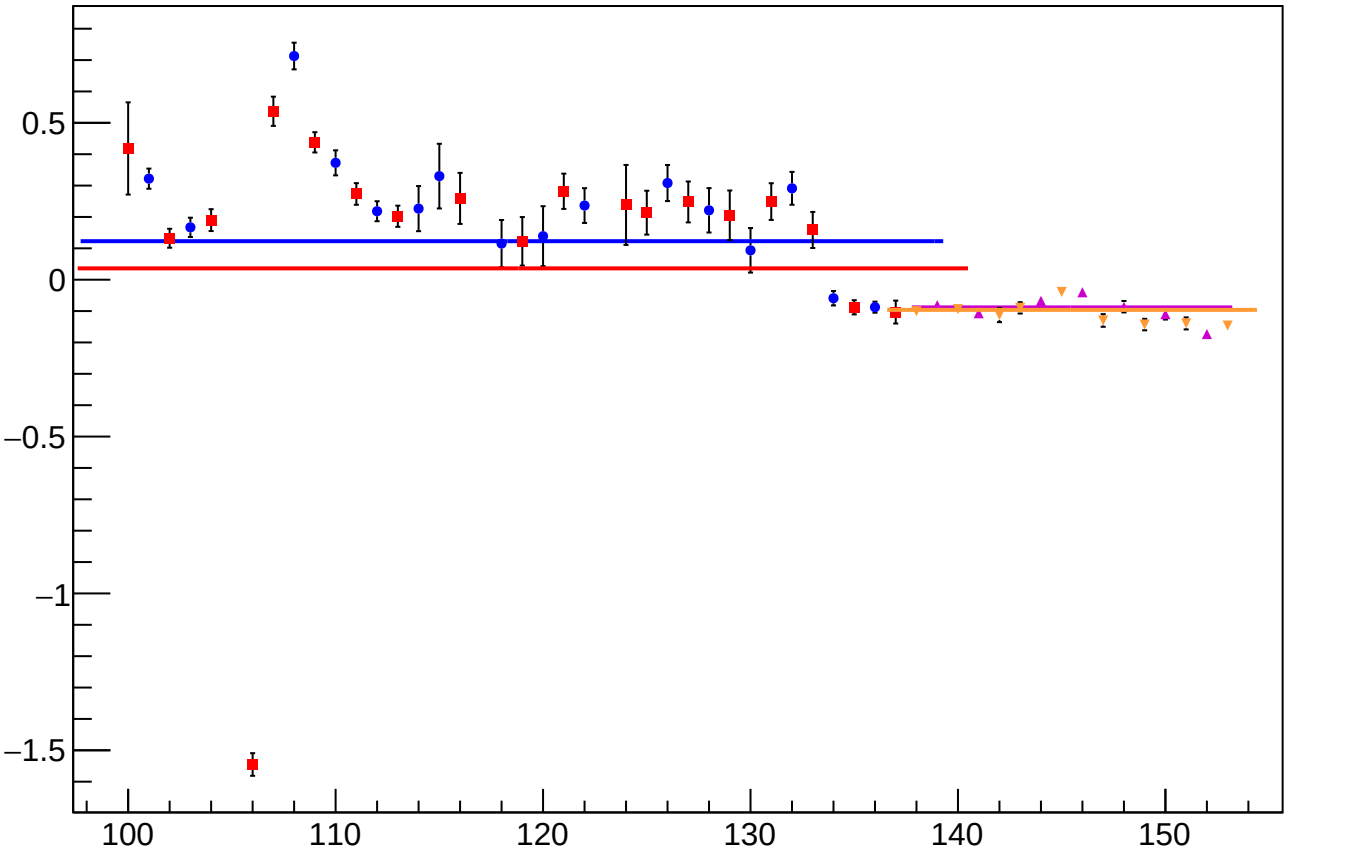
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.393+/-0.115 χ^2/NDF:389.7/6

+ sign 20.665+/-0.093 χ^2/NDF: 7826.8/24

All: 20.004+/-0.067 χ^2/NDF: 16877.9/50

- sign 19.302+/-0.096 χ^2/NDF: 8947.9/25



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.096+/-0.005 χ^2/NDF:58.3/8

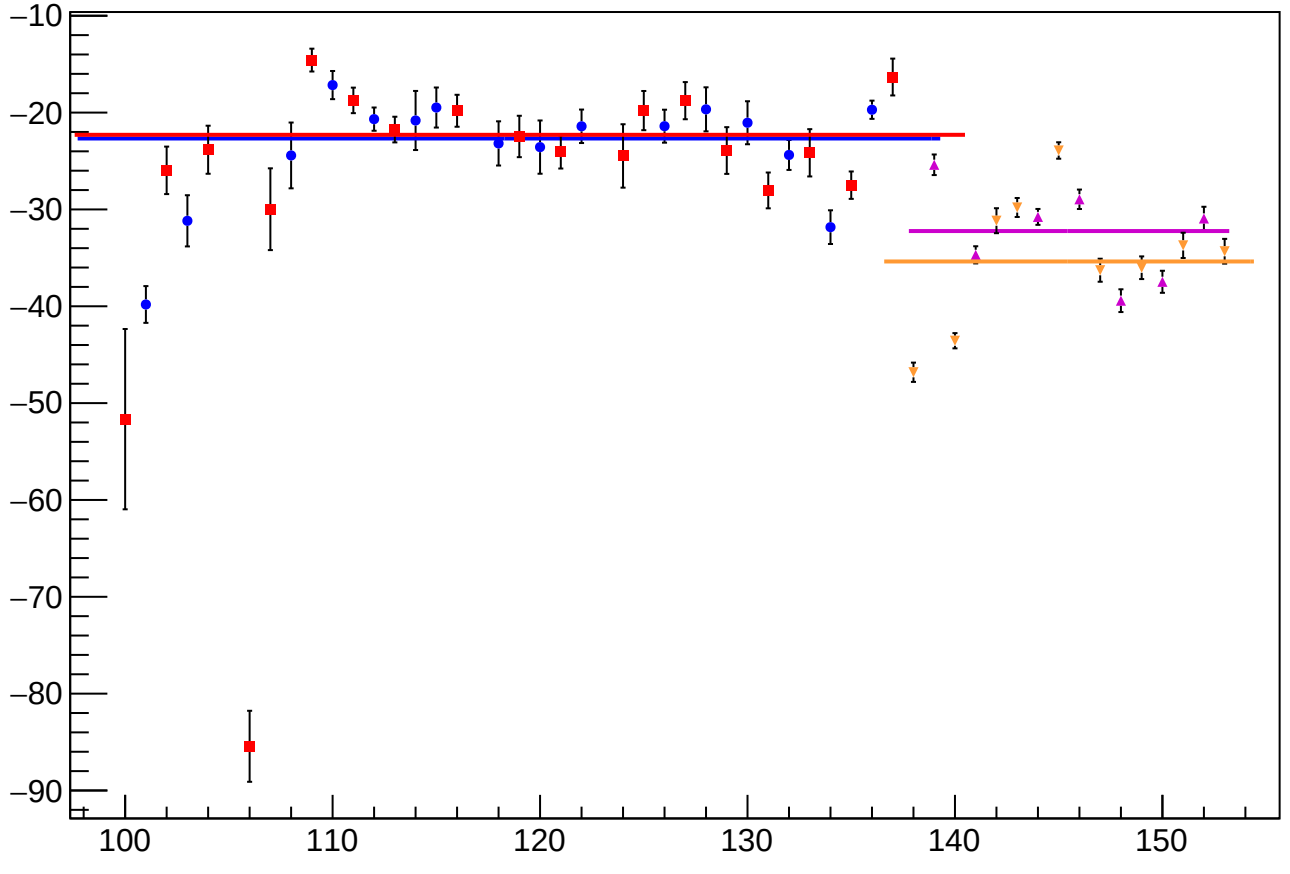
Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.088+/-0.006 χ^2/NDF:49.1/6

+ sign -0.044+/-0.005 χ^2/NDF: 990.2/24

All: -0.050+/-0.003 χ^2/NDF: 3580.6/50

- sign -0.058+/-0.005 χ^2/NDF: 2586.0/25



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.374+/-0.347 χ^2/NDF:468.5/8

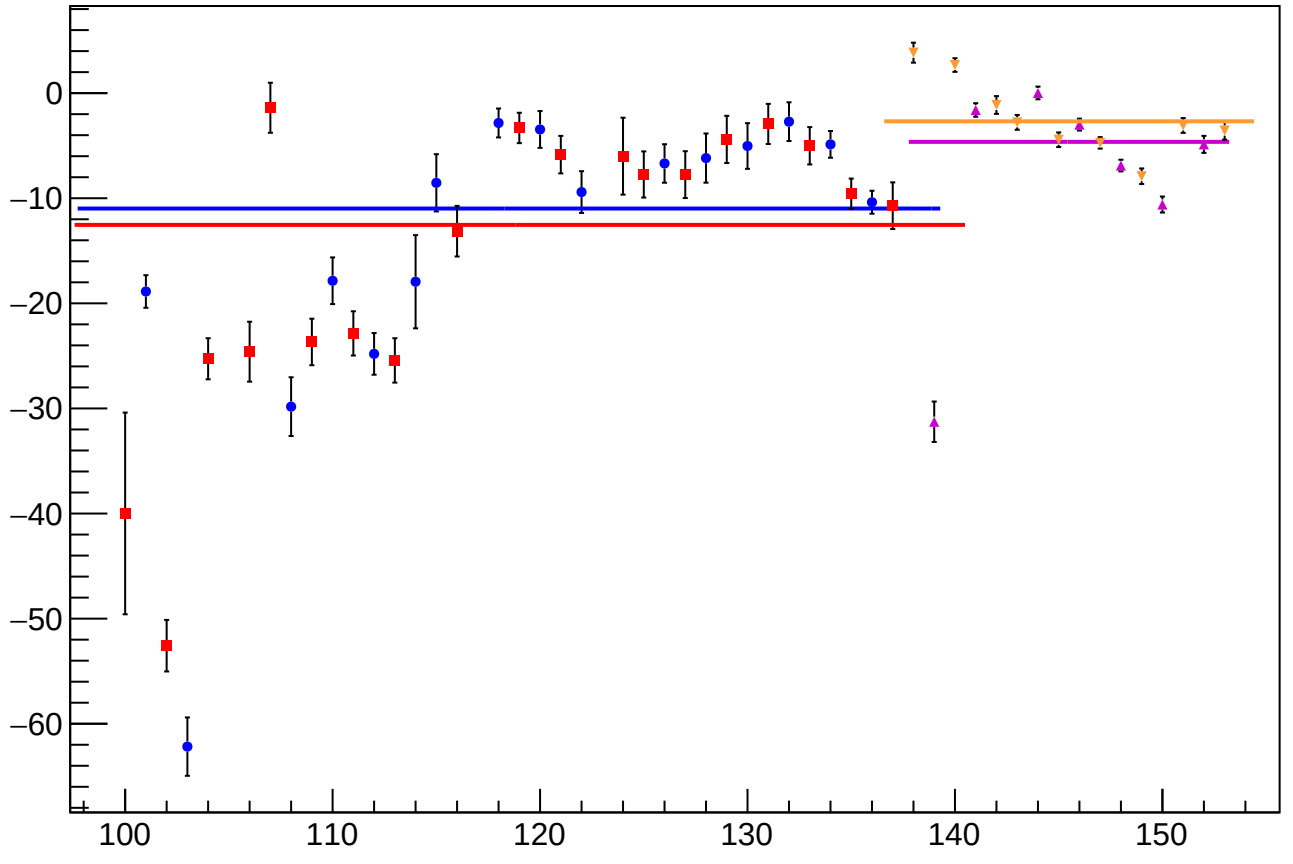
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -32.232+/-0.383 χ^2/NDF:122.7/6

+ sign -30.424+/-0.271 χ^2/NDF: 1144.1/24

All: -29.232+/-0.197 χ^2/NDF: 2007.0/50

- sign -27.894+/-0.288 χ^2/NDF: 822.0/25



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.681+/-0.239 χ^2/NDF:190.0/8

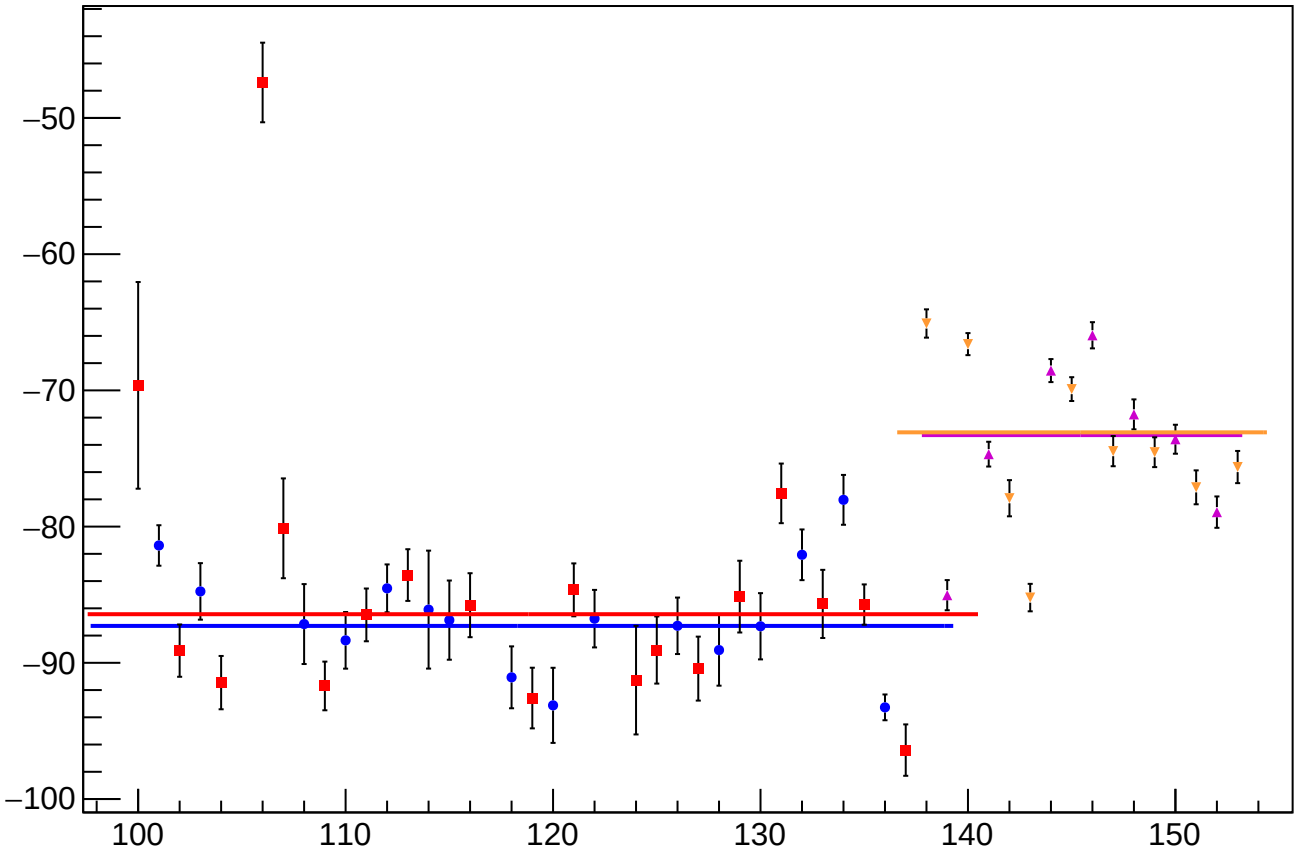
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.634+/-0.258 χ^2/NDF:359.4/6

+ sign -4.487+/-0.212 χ^2/NDF: 1039.3/24

All: -5.374+/-0.155 χ^2/NDF: 2218.2/50

- sign -6.396+/-0.227 χ^2/NDF: 1141.1/25



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -73.080+/-0.347 χ^2/NDF:313.0/8

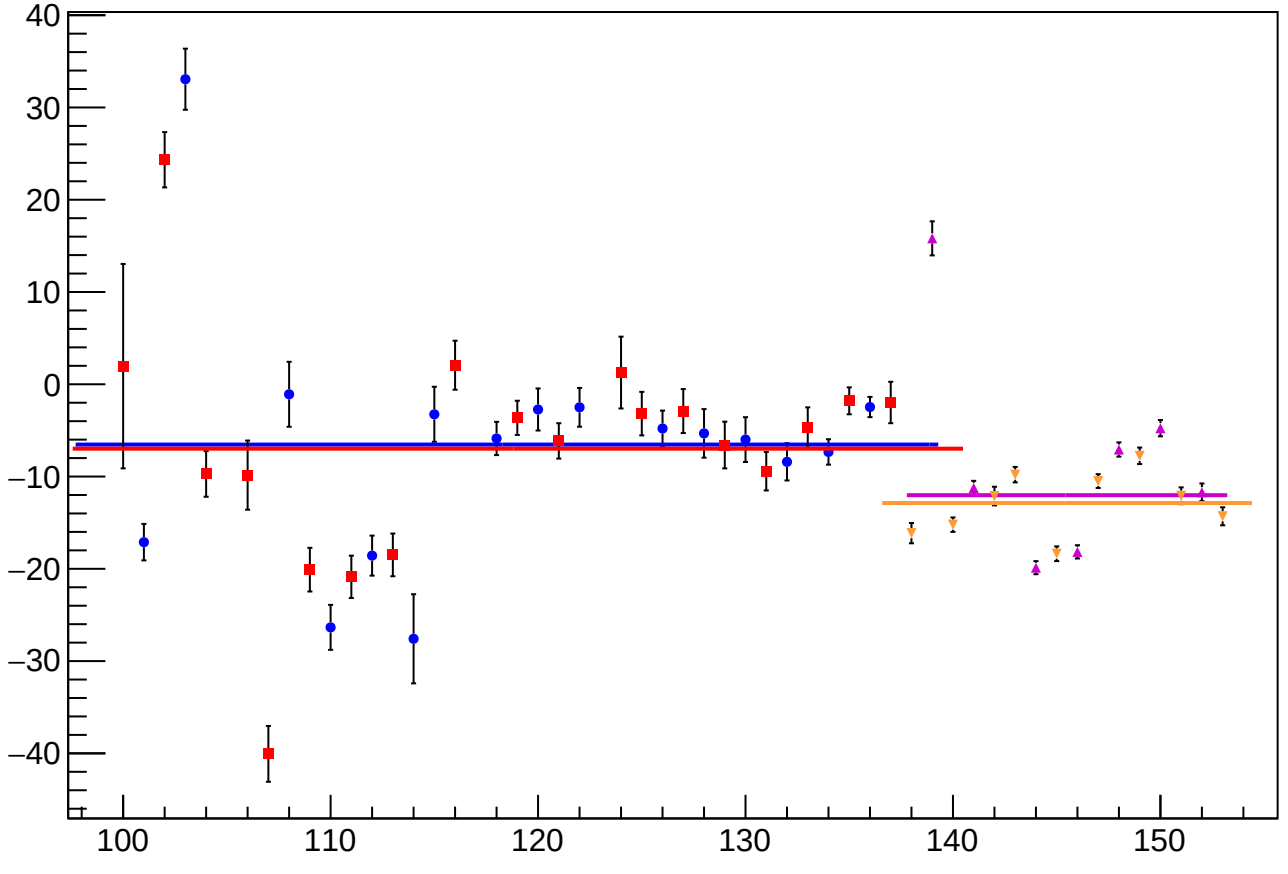
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -73.283+/-0.379 χ^2/NDF:230.6/6

+ sign -77.943+/-0.281 χ^2/NDF: 989.3/24

All: -77.972+/-0.206 χ^2/NDF: 1917.5/50

- sign -78.005+/-0.303 χ^2/NDF: 928.2/25



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -12.870+/-0.292 χ^2/NDF:125.1/8

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

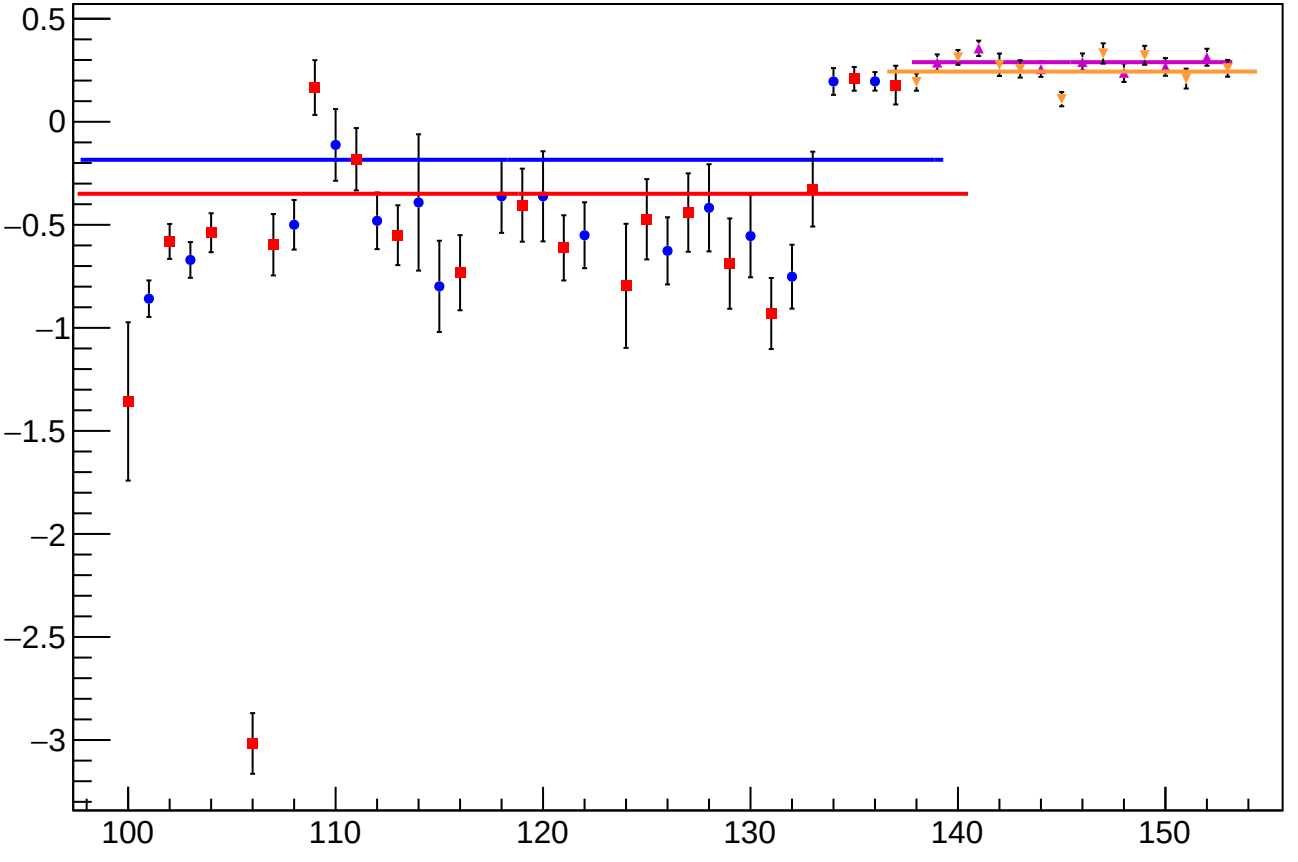
Left In: -12.018+/-0.317 χ^2/NDF:532.7/6

+ sign -11.297+/-0.253 χ^2/NDF: 556.0/24

All: -11.037+/-0.186 χ^2/NDF: 1523.8/50

- sign -10.734+/-0.273 χ^2/NDF: 965.5/25

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.244+/-0.014 χ^2/NDF:27.3/8

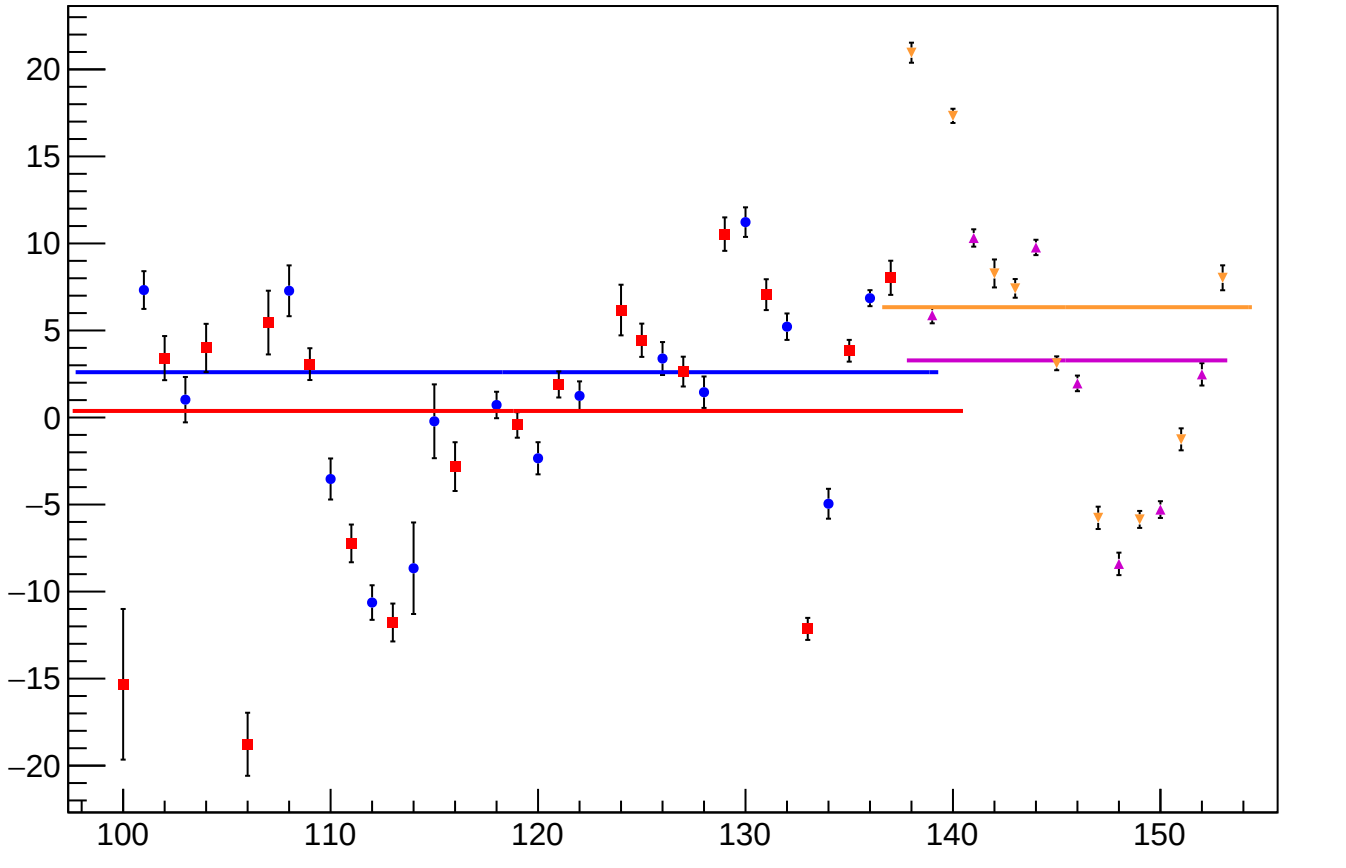
Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.289+/-0.015 χ^2/NDF:6.0/6

+ sign 0.150+/-0.013 χ^2/NDF: 474.4/24

All: 0.151+/-0.009 χ^2/NDF: 1369.9/50

- sign 0.153+/-0.014 χ^2/NDF: 895.5/25



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 6.338+/-0.178 χ^2/NDF:2573.0/8

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

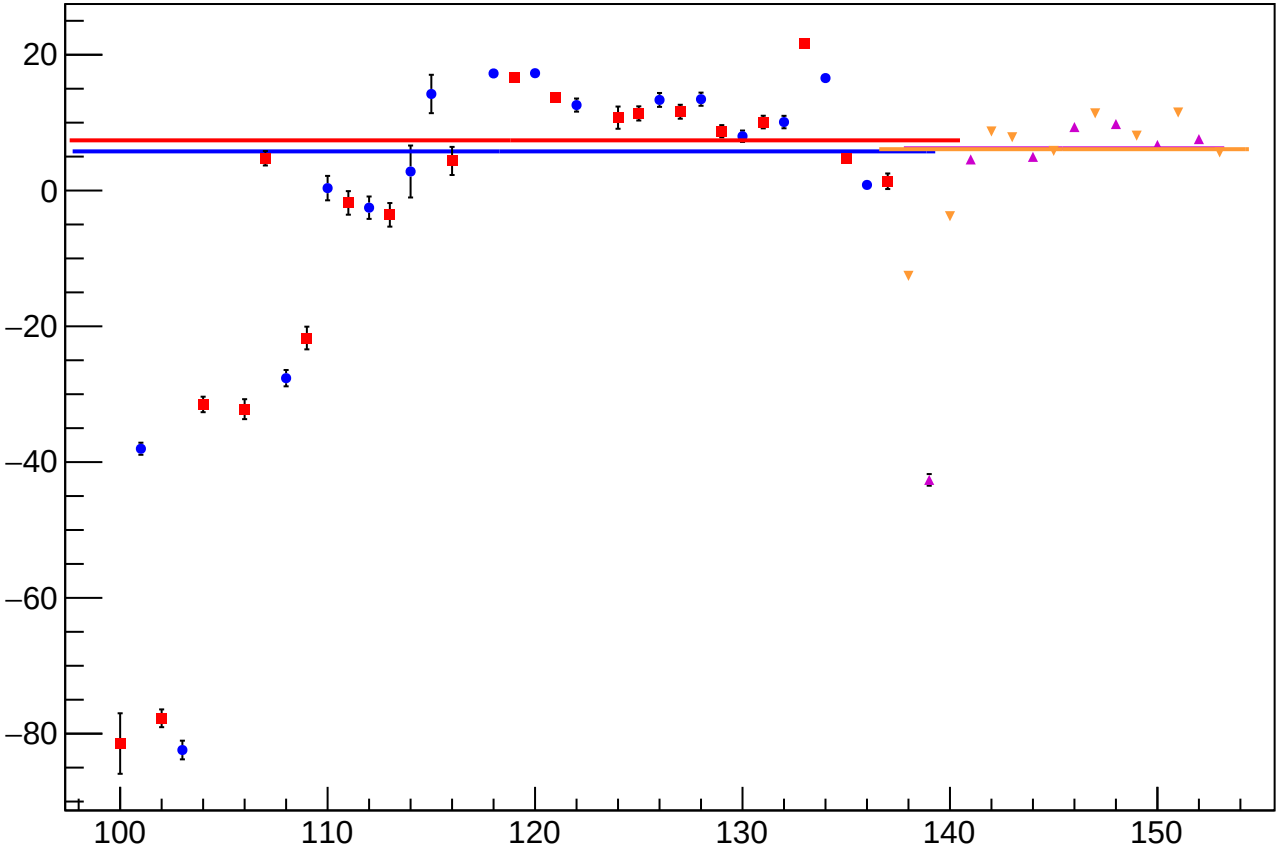
Left In: 3.281+/-0.189 χ^2/NDF:1102.8/6

+ sign 4.889+/-0.140 χ^2/NDF: 3316.0/24

All: 3.520+/-0.100 χ^2/NDF: 5747.6/50

- sign 2.059+/-0.144 χ^2/NDF: 2232.6/25

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.091+/-0.125 χ^2/NDF:2492.1/8

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

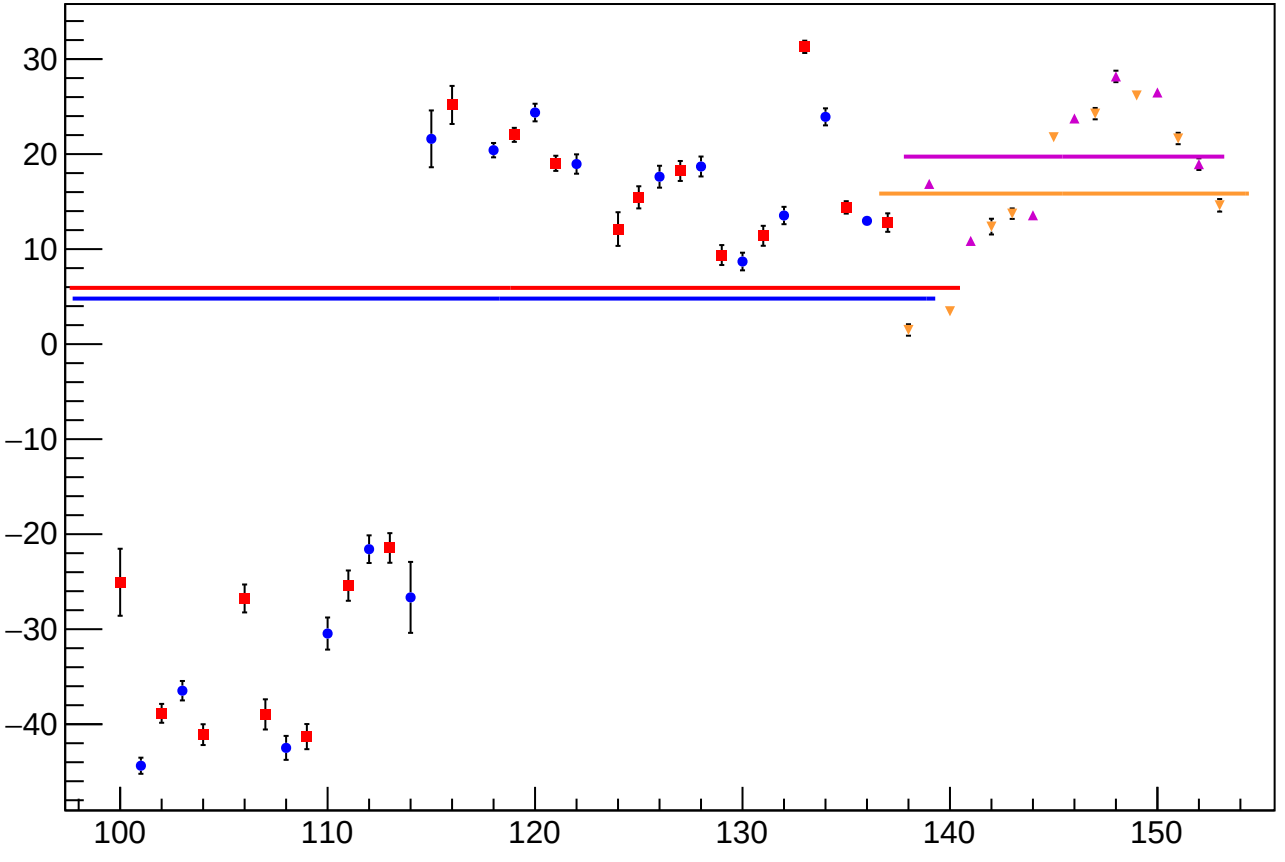
Left In: 6.219+/-0.133 χ^2/NDF:3544.7/6

+ sign 6.007+/-0.107 χ^2/NDF: 11427.7/24

All: 6.270+/-0.077 χ^2/NDF: 23398.1/50

- sign 6.558+/-0.112 χ^2/NDF: 11957.8/25

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.845+/-0.177 χ^2/NDF:2487.7/8

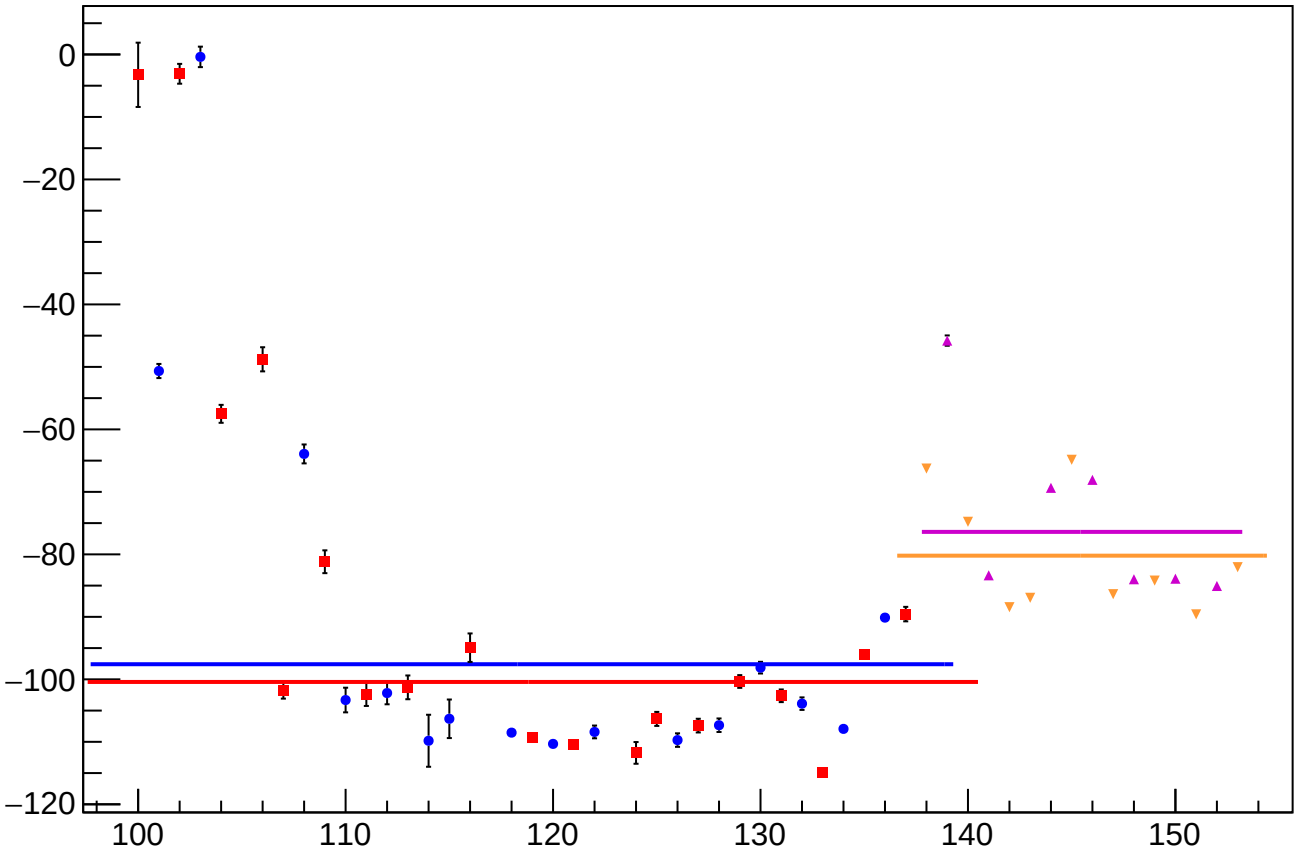
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 19.735+/-0.187 χ^2/NDF:1029.5/6

+ sign 11.887+/-0.142 χ^2/NDF: 13375.3/24

All: 13.154+/-0.102 χ^2/NDF: 26693.4/50

- sign 14.519+/-0.147 χ^2/NDF: 13152.9/25



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.209+/-0.151 χ^2/NDF:3443.5/8

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

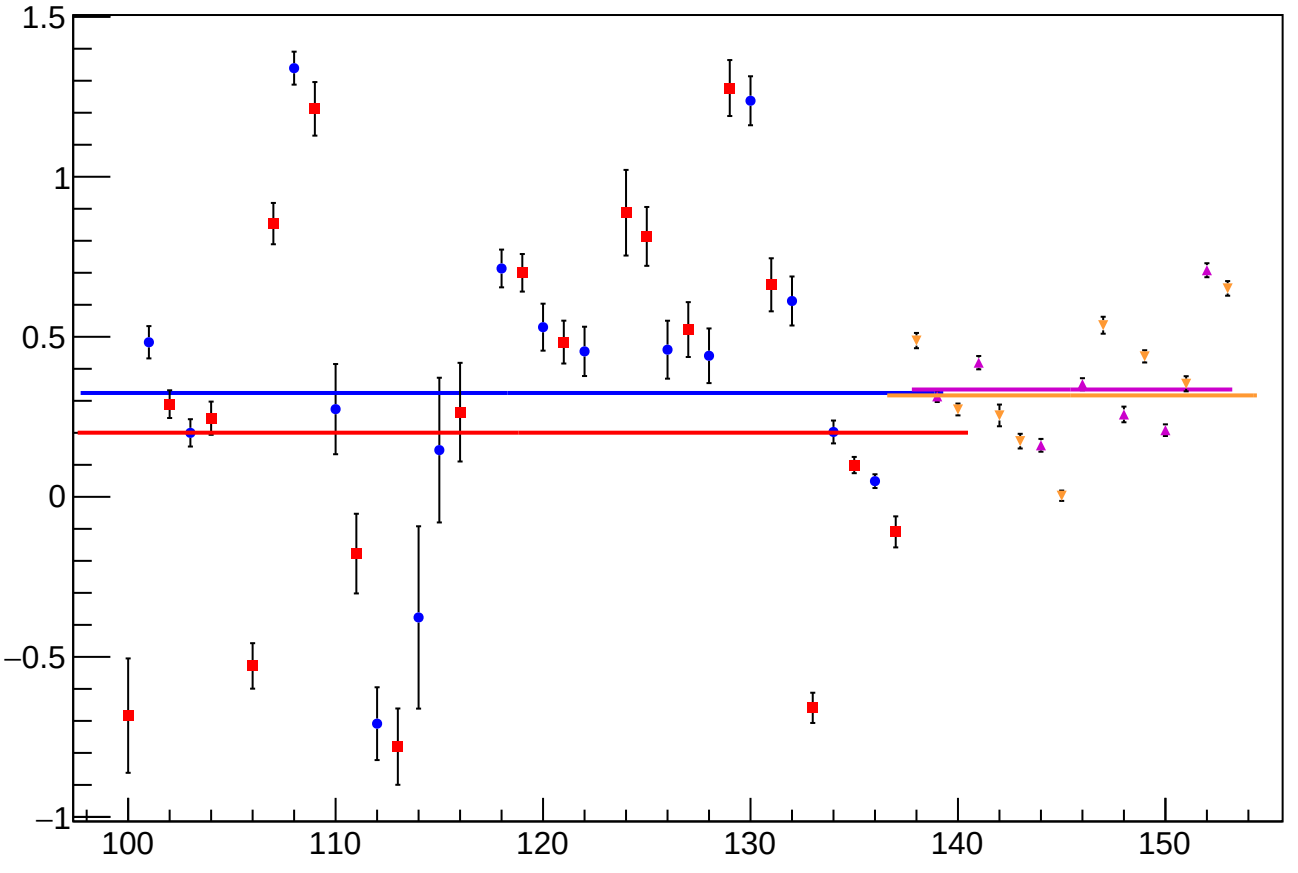
Left In: -76.403+/-0.161 χ^2/NDF:3578.6/6

+ sign -85.085+/-0.128 χ^2/NDF: 14304.3/24

All: -84.466+/-0.092 χ^2/NDF: 31923.0/50

- sign -83.792+/-0.134 χ^2/NDF: 17570.0/25

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.317+/-0.007 χ^2/NDF:799.9/8

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

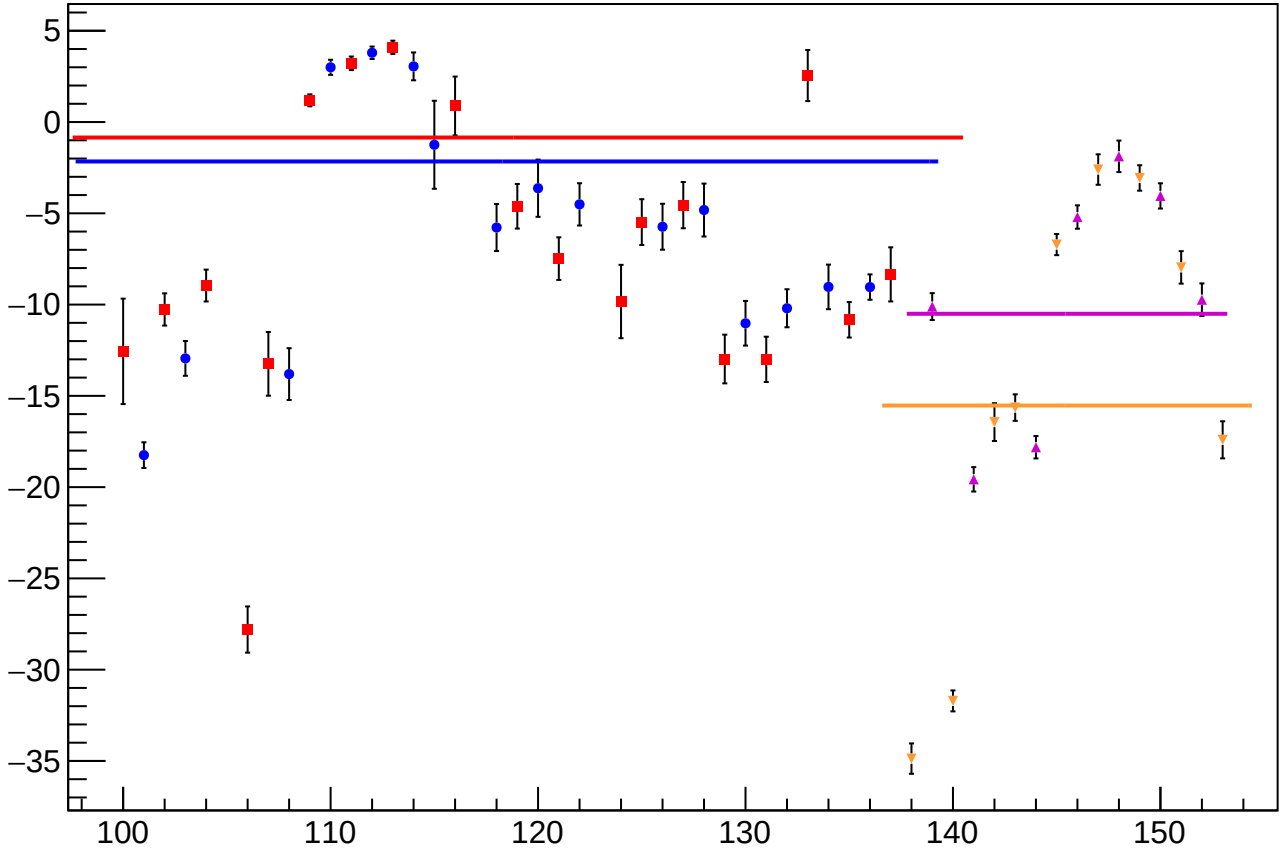
Left In: 0.335+/-0.008 χ^2/NDF:443.8/6

+ sign 0.319+/-0.006 χ^2/NDF: 1686.7/24

All: 0.312+/-0.005 χ^2/NDF: 3412.4/50

- sign 0.305+/-0.007 χ^2/NDF: 1723.3/25

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -15.529+/-0.250 χ^2/NDF:2201.4/8

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

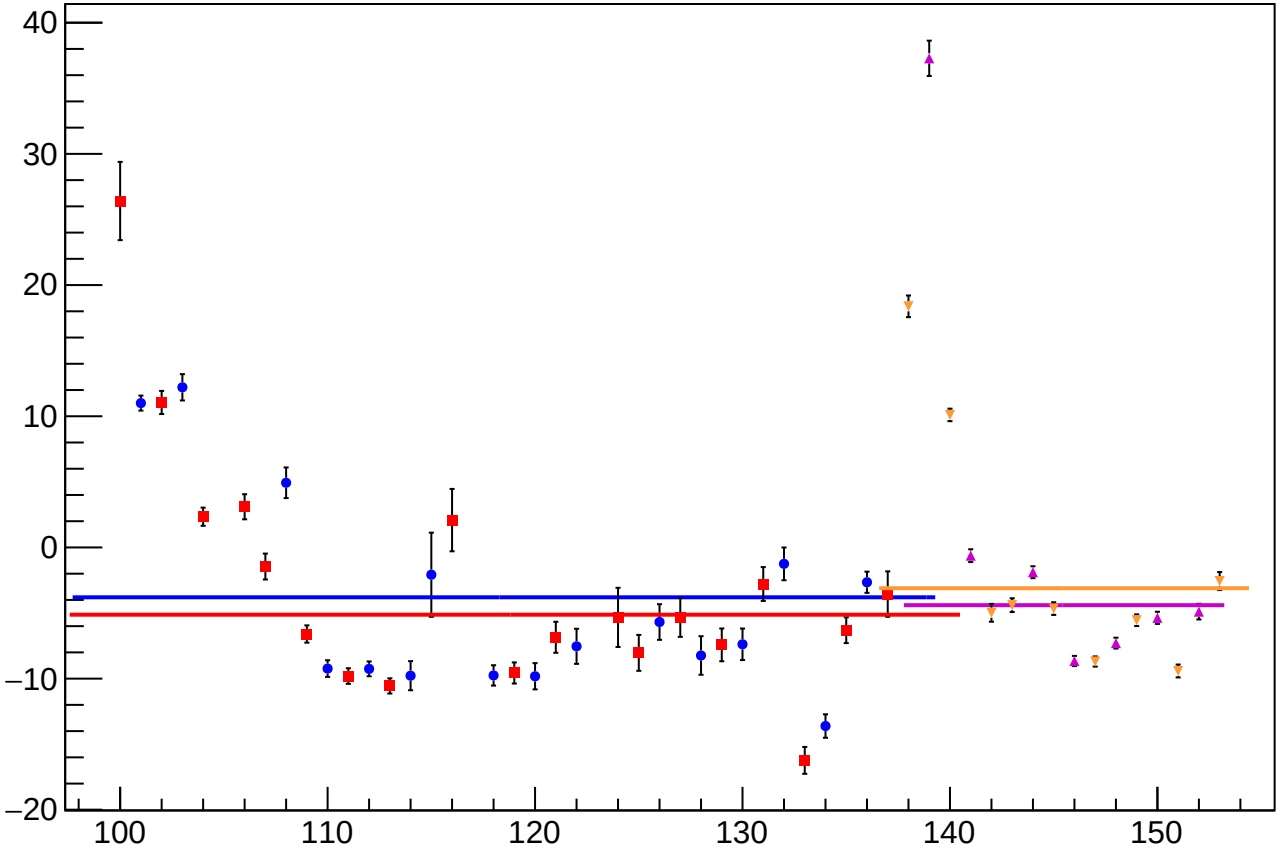
Left In: -10.505+/-0.268 χ^2/NDF:582.8/6

+ sign -7.119+/-0.152 χ^2/NDF: 5491.6/24

All: -5.271+/-0.105 χ^2/NDF: 8740.8/50

- sign -3.621+/-0.144 χ^2/NDF: 2970.4/25

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.108+/-0.172 χ^2/NDF:1867.9/8

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

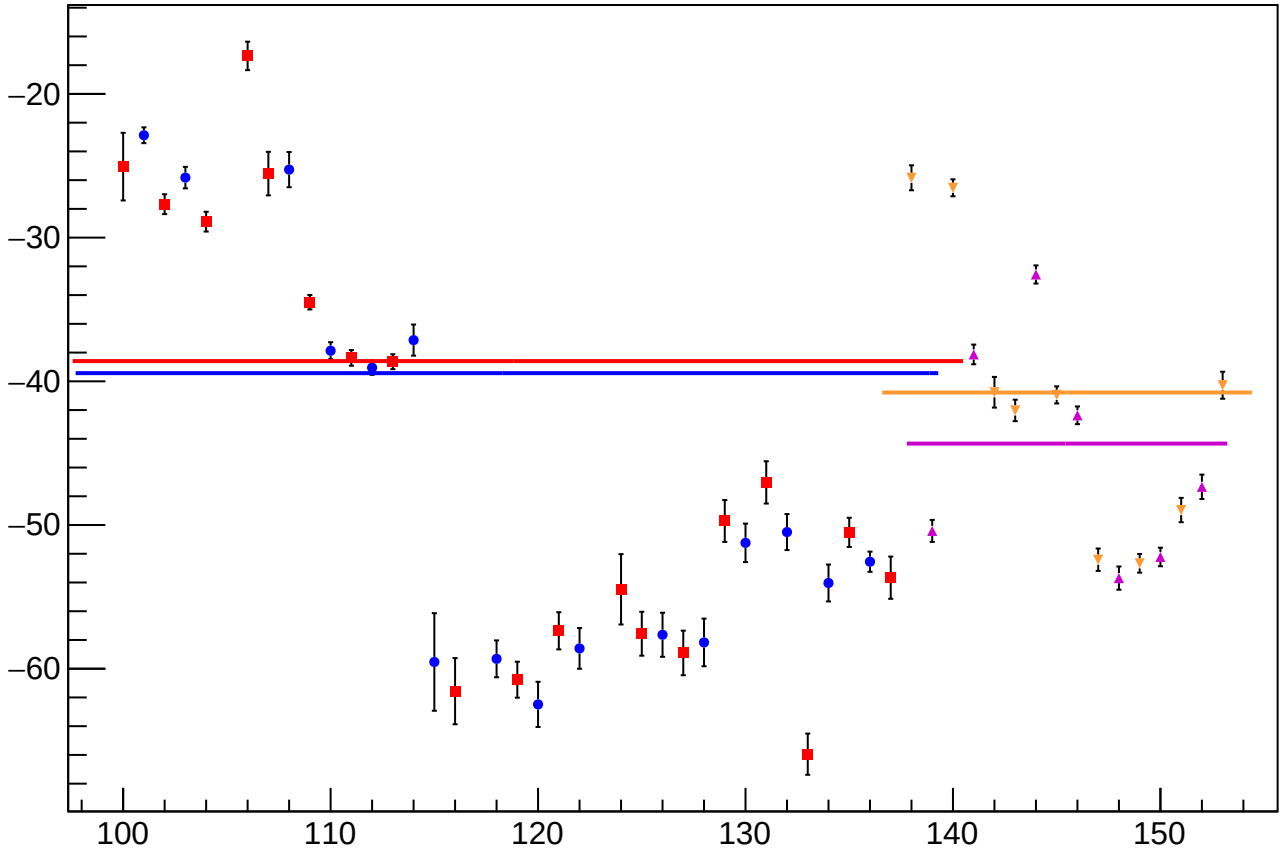
Left In: -4.400+/-0.184 χ^2/NDF:1223.4/6

+ sign -3.363+/-0.137 χ^2/NDF: 3299.4/24

All: -4.012+/-0.098 χ^2/NDF: 5556.3/50

- sign -4.701+/-0.141 χ^2/NDF: 2210.5/25

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -40.778+/-0.248 χ^2/NDF:1530.4/8

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

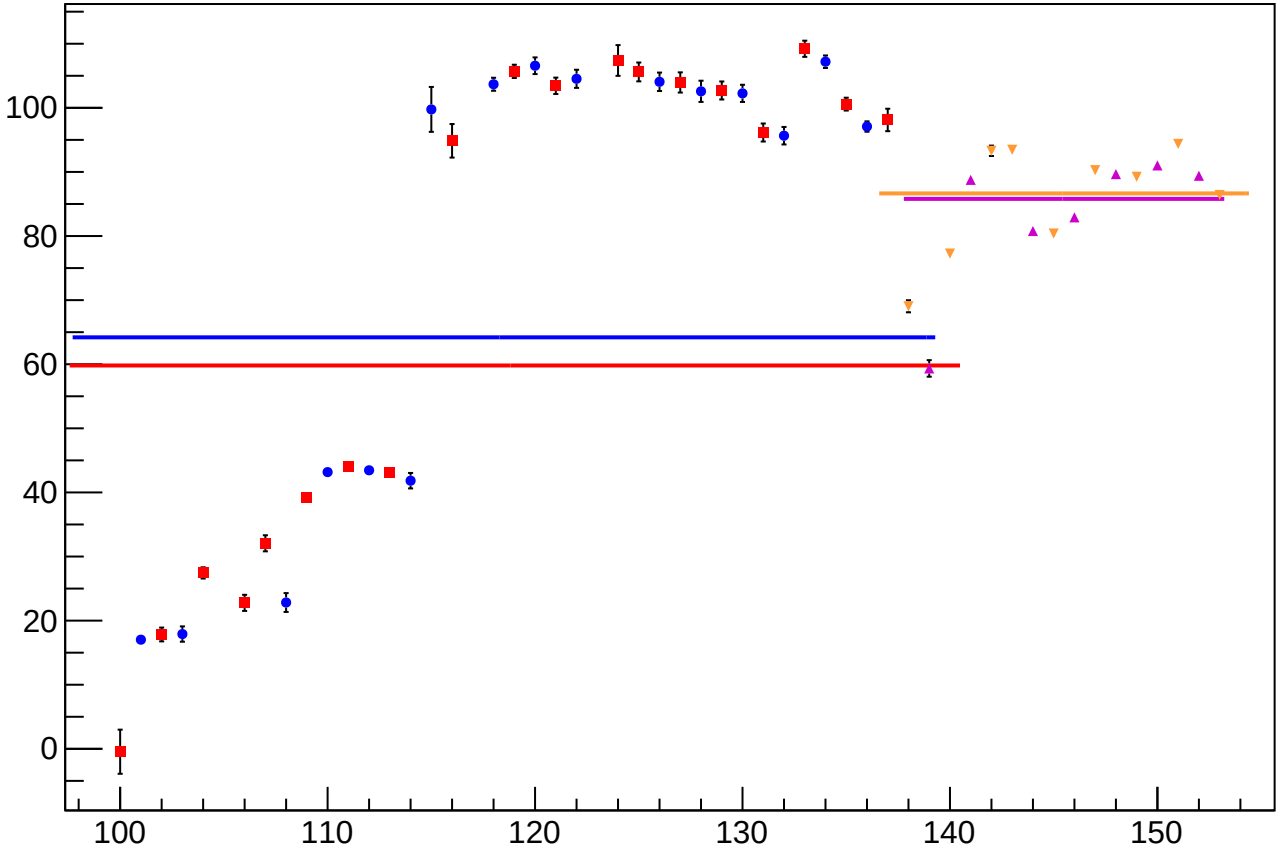
Left In: -44.332+/-0.265 χ^2/NDF:797.5/6

+ sign -40.040+/-0.167 χ^2/NDF: 4504.6/24

All: -40.445+/-0.118 χ^2/NDF: 8372.0/50

- sign -40.844+/-0.166 χ^2/NDF: 3855.7/25

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.650+/-0.209 χ^2/NDF:1153.6/8

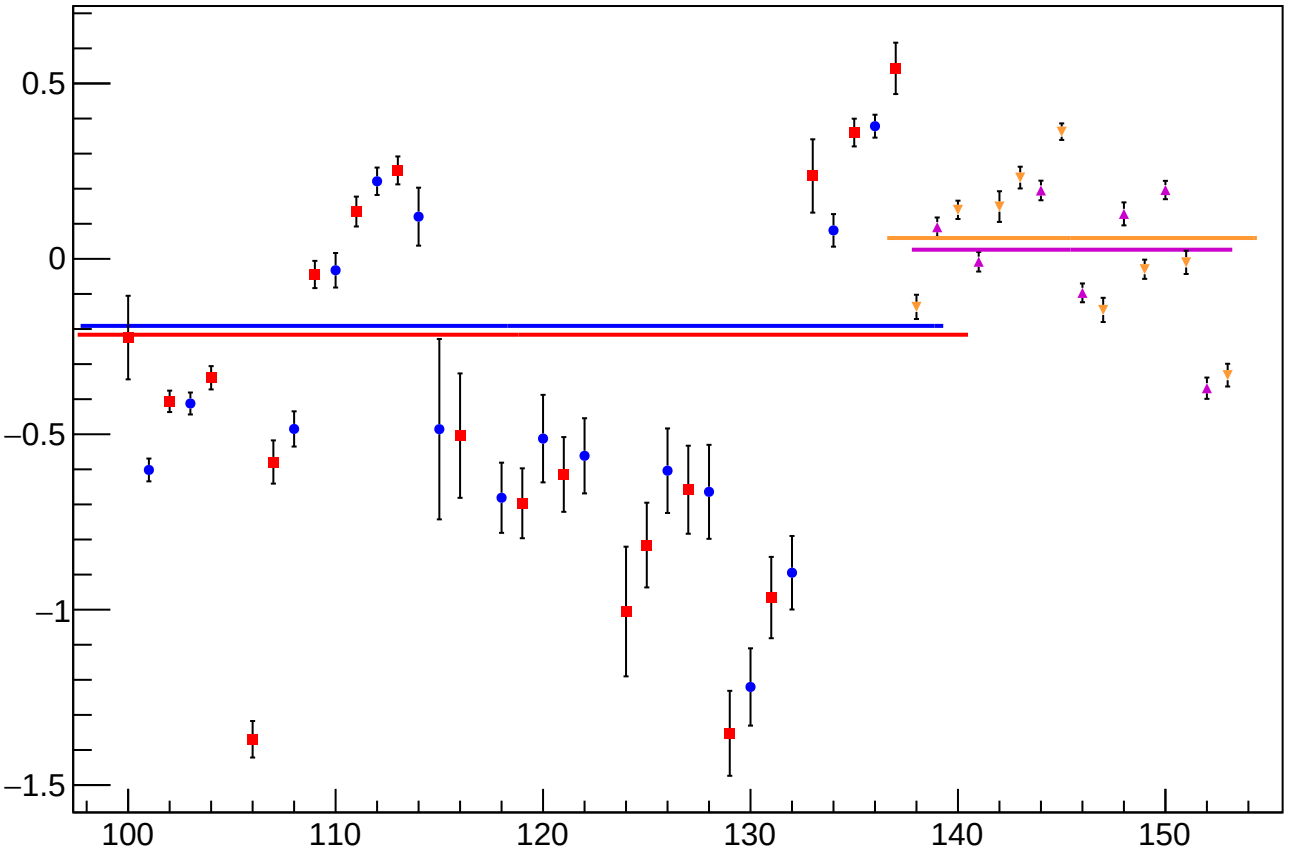
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.796+/-0.224 χ^2/NDF:736.5/6

+ sign 77.709+/-0.162 χ^2/NDF: 24326.1/24

All: 75.981+/-0.116 χ^2/NDF: 48760.2/50

- sign 74.171+/-0.166 χ^2/NDF: 24202.5/25



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.059+/-0.010 χ^2/NDF:438.1/8

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

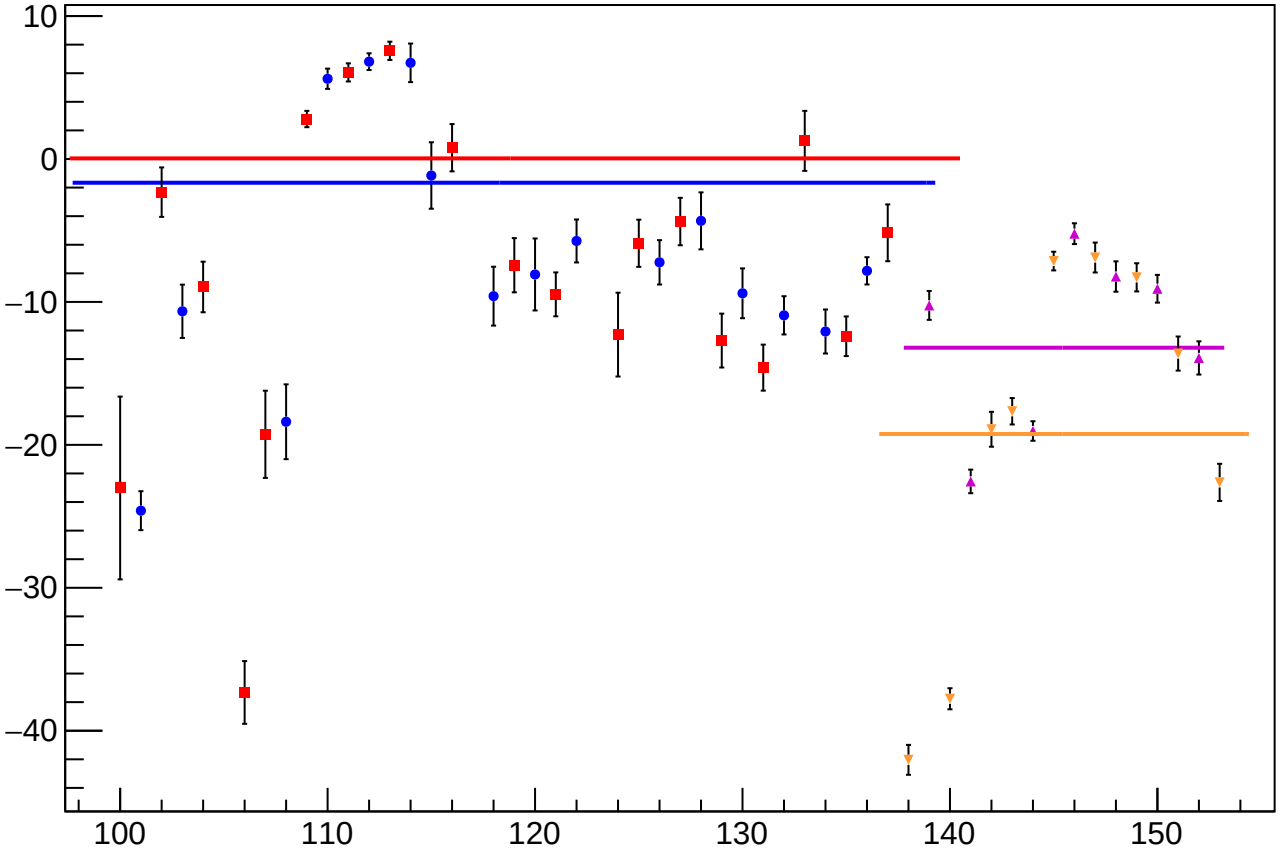
Left In: 0.026+/-0.011 χ^2/NDF:285.6/6

+ sign -0.032+/-0.008 χ^2/NDF: 1577.7/24

All: -0.052+/-0.006 χ^2/NDF: 3452.1/50

- sign -0.072+/-0.008 χ^2/NDF: 1862.0/25

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -19.238+/-0.313 χ^2/NDF:1744.4/8

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

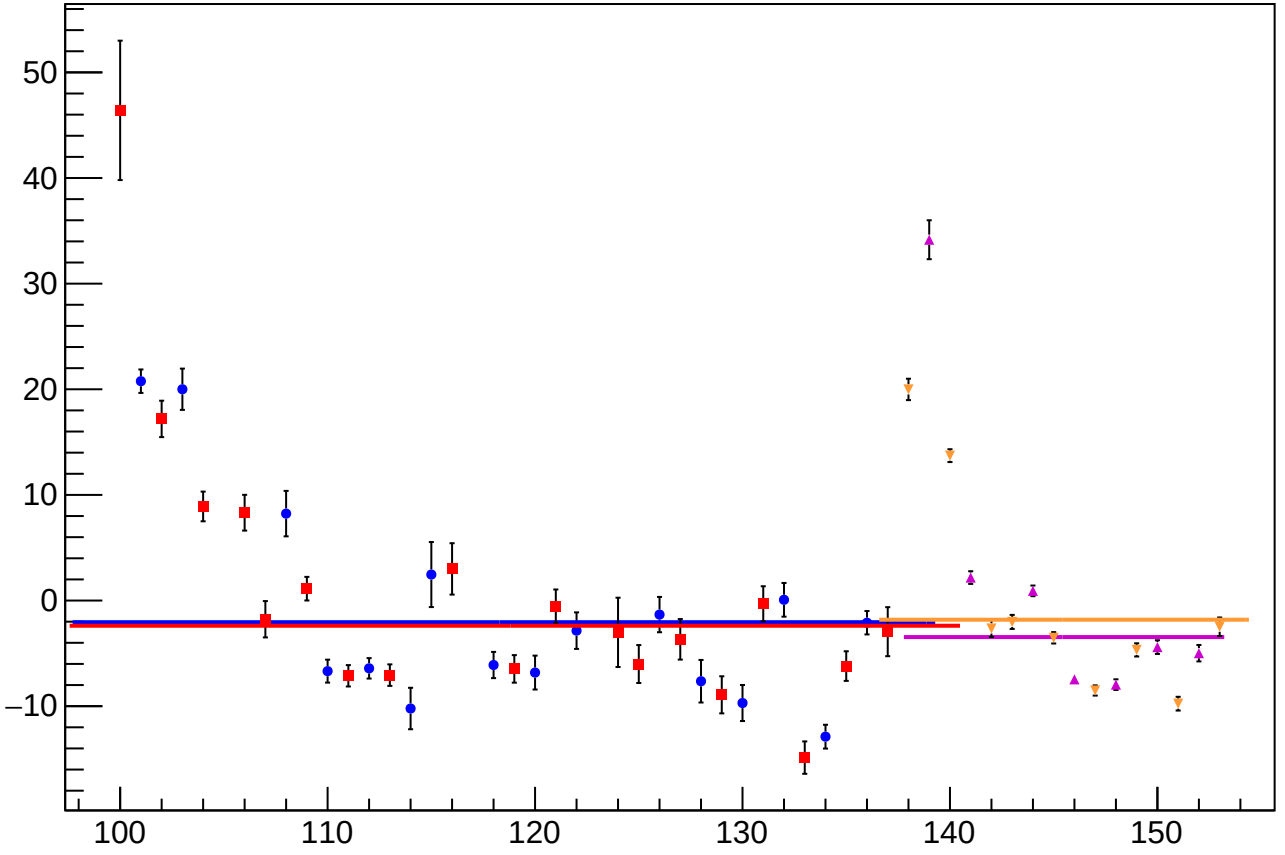
Left In: -13.204+/-0.330 χ^2/NDF:370.6/6

+ sign -10.298+/-0.220 χ^2/NDF: 4244.3/24

All: -7.862+/-0.153 χ^2/NDF: 6716.8/50

- sign -5.542+/-0.214 χ^2/NDF: 2232.5/25

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.815+/-0.216 χ^2/NDF:1491.5/8

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

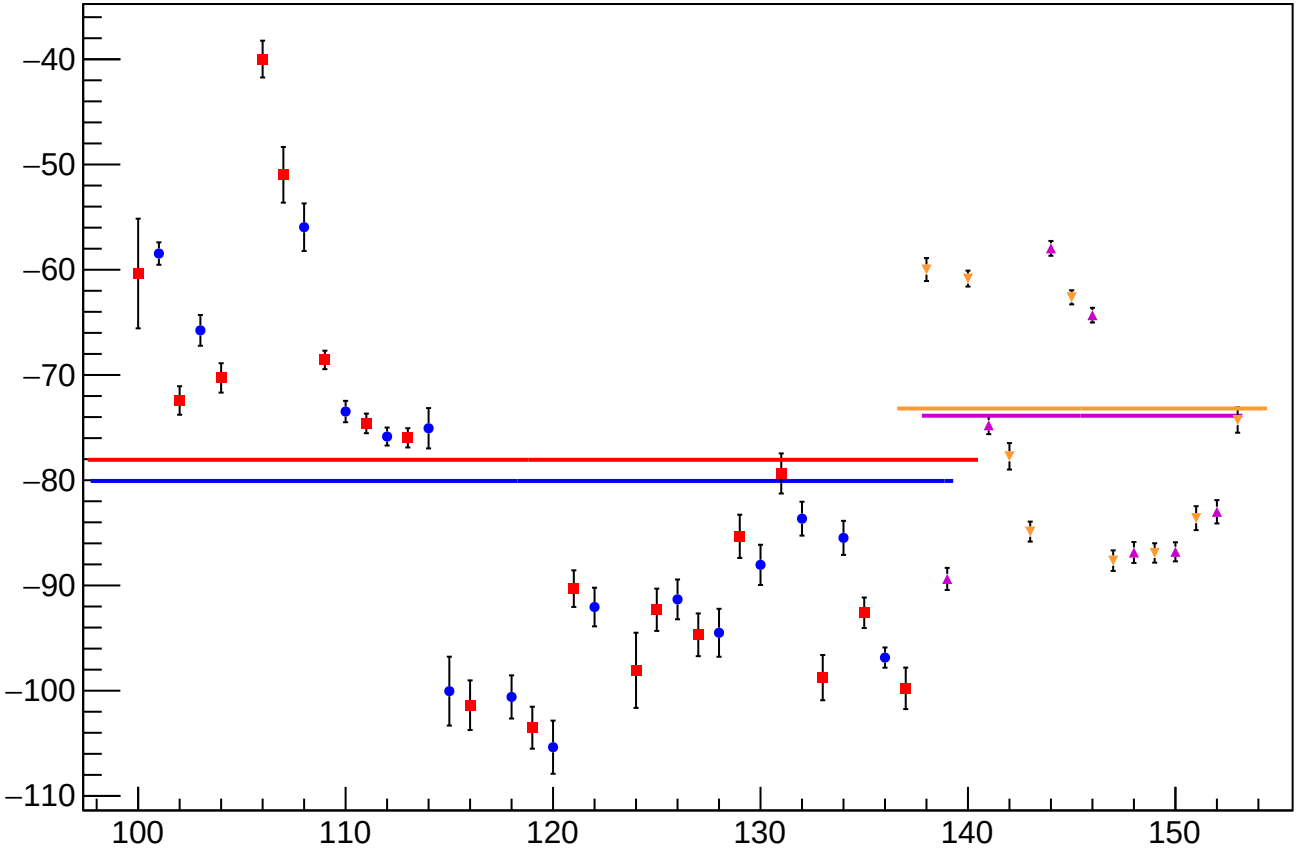
Left In: -3.458+/-0.222 χ^2/NDF:751.9/6

+ sign -1.878+/-0.185 χ^2/NDF: 2263.8/24

All: -2.506+/-0.132 χ^2/NDF: 3496.7/50

- sign -3.157+/-0.188 χ^2/NDF: 1209.4/25

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.184+/-0.313 χ^2/NDF:1350.0/8

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

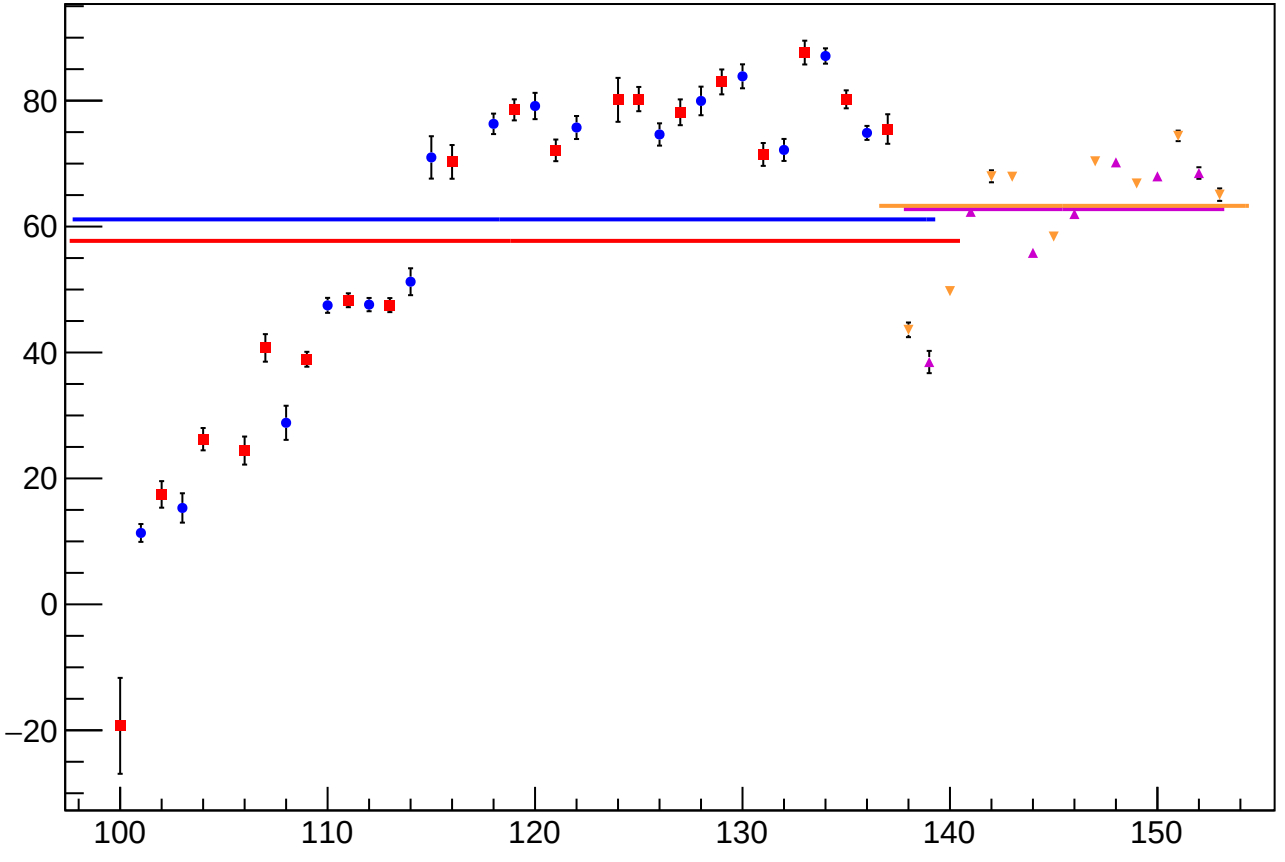
Left In: -73.871+/-0.326 χ^2/NDF:1357.7/6

+ sign -76.103+/-0.237 χ^2/NDF: 2942.8/24

All: -75.951+/-0.169 χ^2/NDF: 5938.4/50

- sign -75.796+/-0.240 χ^2/NDF: 2994.7/25

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.292+/-0.263 χ^2/NDF:1066.3/8

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

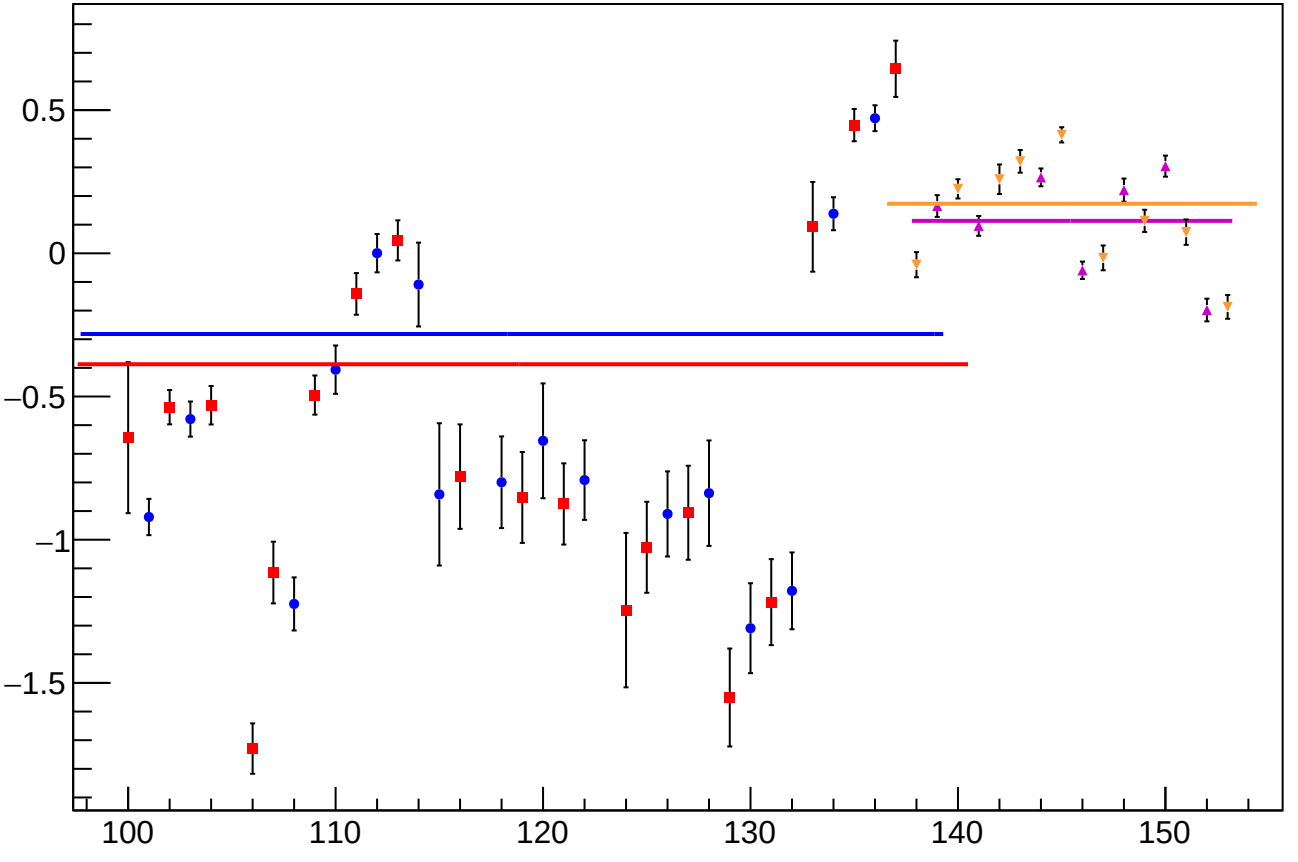
Left In: 62.770+/-0.272 χ^2/NDF:528.7/6

+ sign 62.643+/-0.220 χ^2/NDF: 4315.7/24

All: 61.926+/-0.157 χ^2/NDF: 7750.4/50

- sign 61.180+/-0.225 χ^2/NDF: 3413.1/25

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.173+/-0.013 χ^2/NDF:226.4/8

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

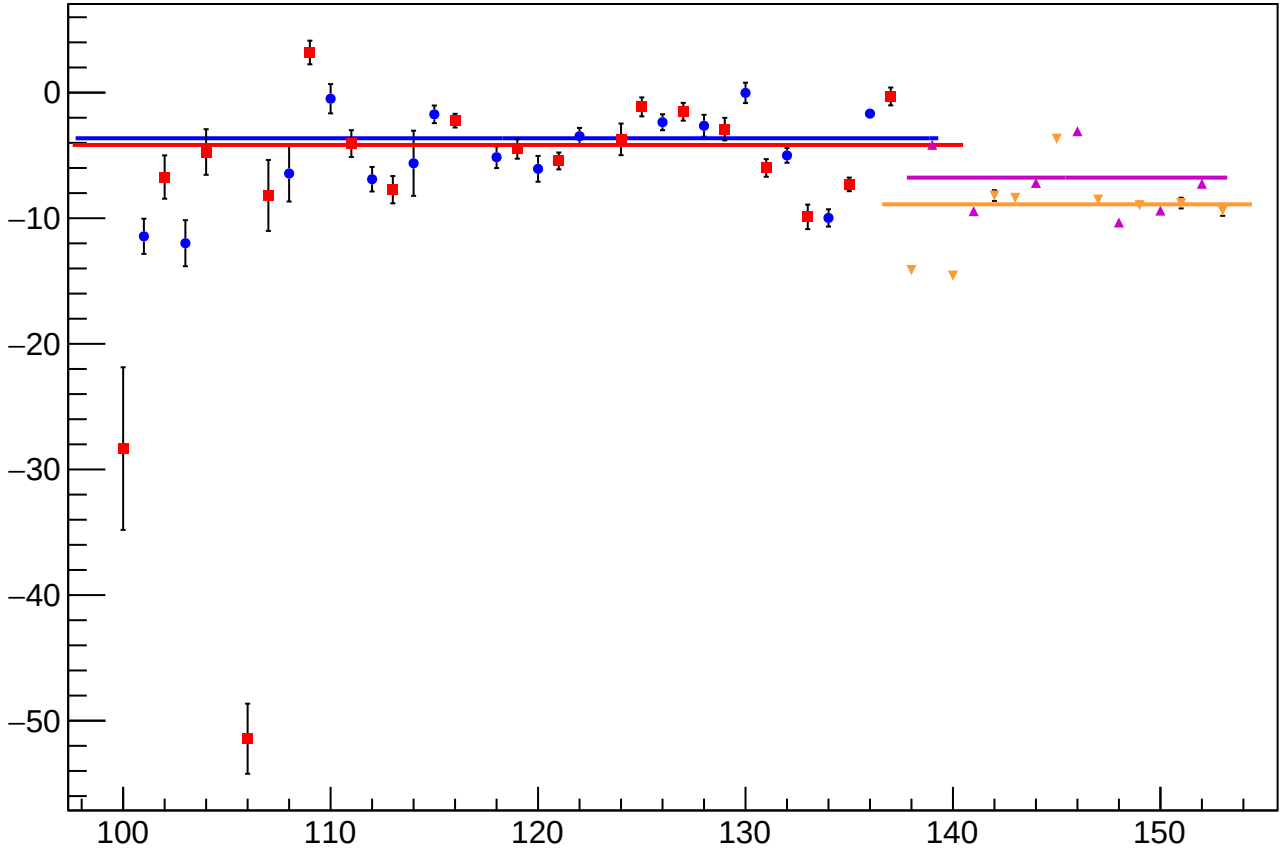
Left In: 0.113+/-0.013 χ^2/NDF:154.1/6

+ sign 0.055+/-0.011 χ^2/NDF: 1282.5/24

All: 0.018+/-0.008 χ^2/NDF: 2660.5/50

- sign -0.022+/-0.011 χ^2/NDF: 1354.1/25

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.893+/-0.108 χ^2/NDF:1268.4/8

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

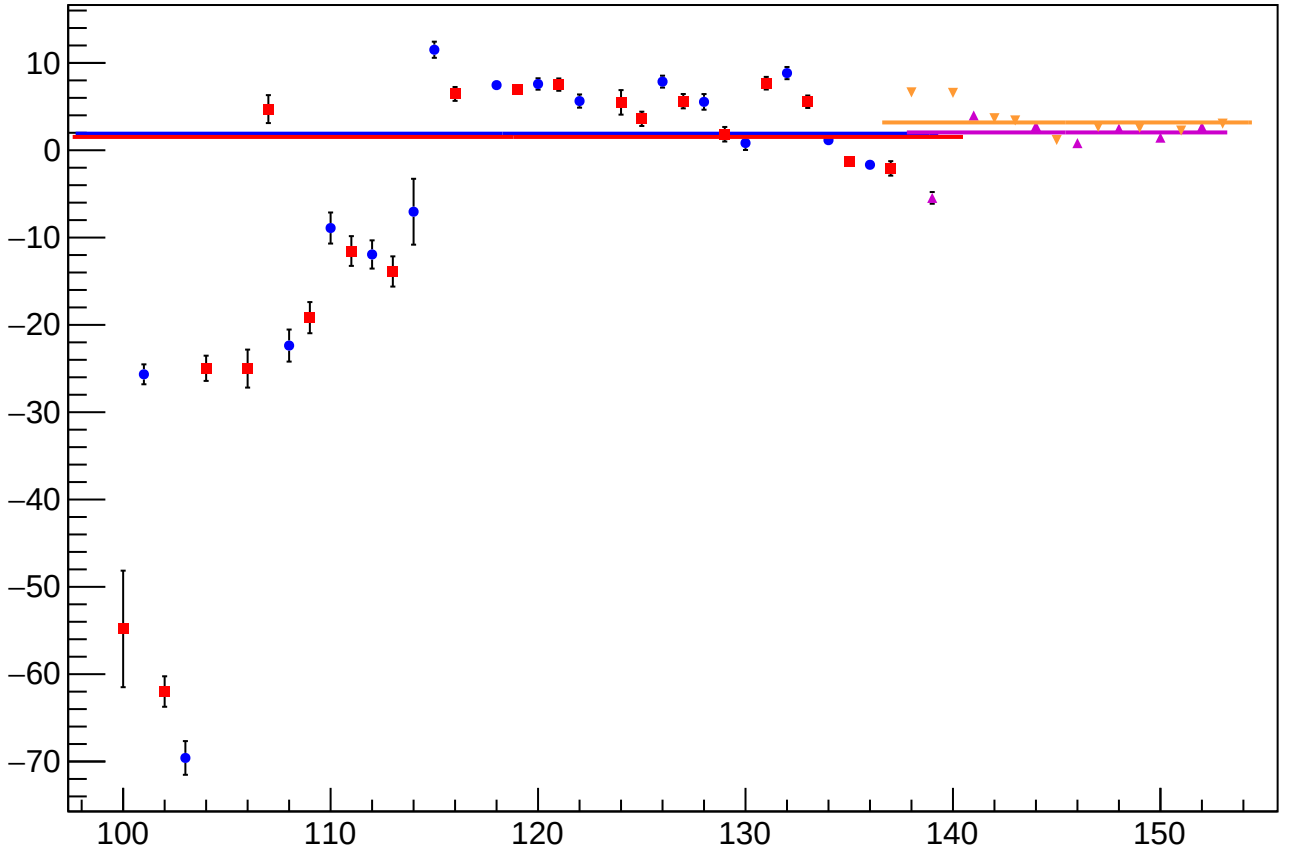
Left In: -6.769+/-0.113 χ^2/NDF:545.8/6

+ sign -7.592+/-0.094 χ^2/NDF: 2085.7/24

All: -6.896+/-0.068 χ^2/NDF: 3404.5/50

- sign -6.139+/-0.098 χ^2/NDF: 1204.5/25

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.183+/-0.075 χ^2/NDF:506.9/8

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

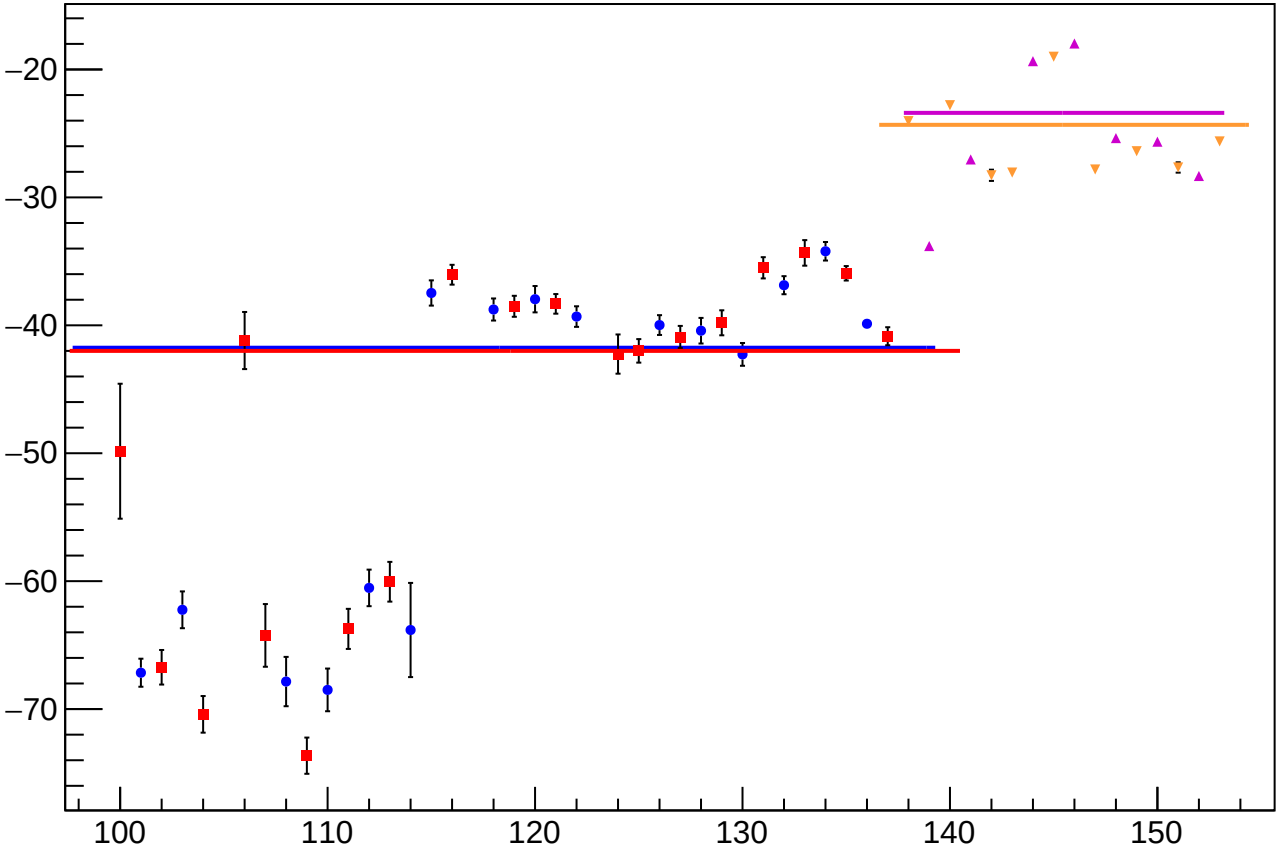
Left In: 2.041+/-0.075 χ^2/NDF:323.5/6

+ sign 3.008+/-0.070 χ^2/NDF: 3385.0/24

All: 2.502+/-0.050 χ^2/NDF: 6380.2/50

- sign 1.981+/-0.071 χ^2/NDF: 2888.7/25

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.327+/-0.108 χ^2/NDF:1039.5/8

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

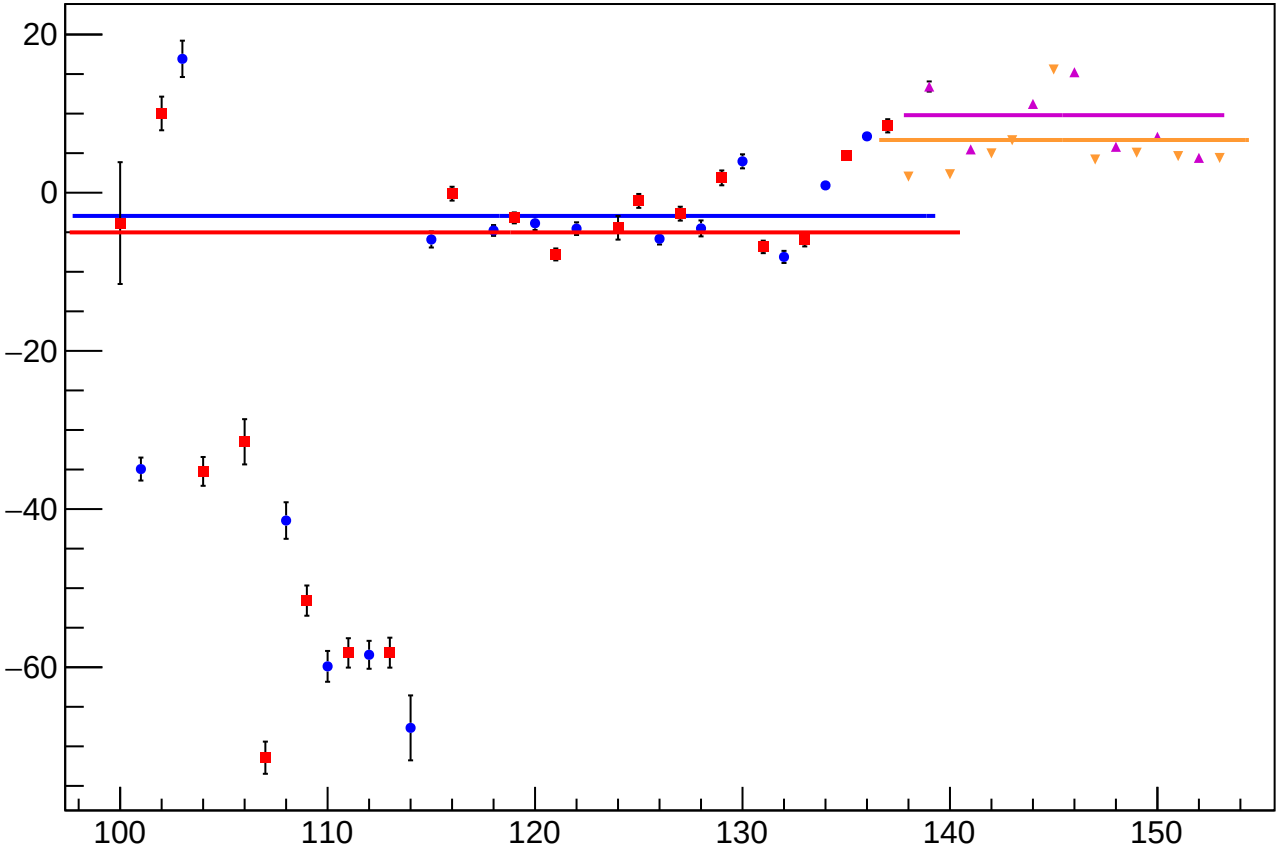
Left In: -23.391+/-0.111 χ^2/NDF:2026.3/6

+ sign -28.054+/-0.096 χ^2/NDF: 8209.6/24

All: -27.529+/-0.069 χ^2/NDF: 17653.9/50

- sign -26.960+/-0.100 χ^2/NDF: 9382.1/25

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.664+/-0.091 χ^2/NDF:2603.1/8

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

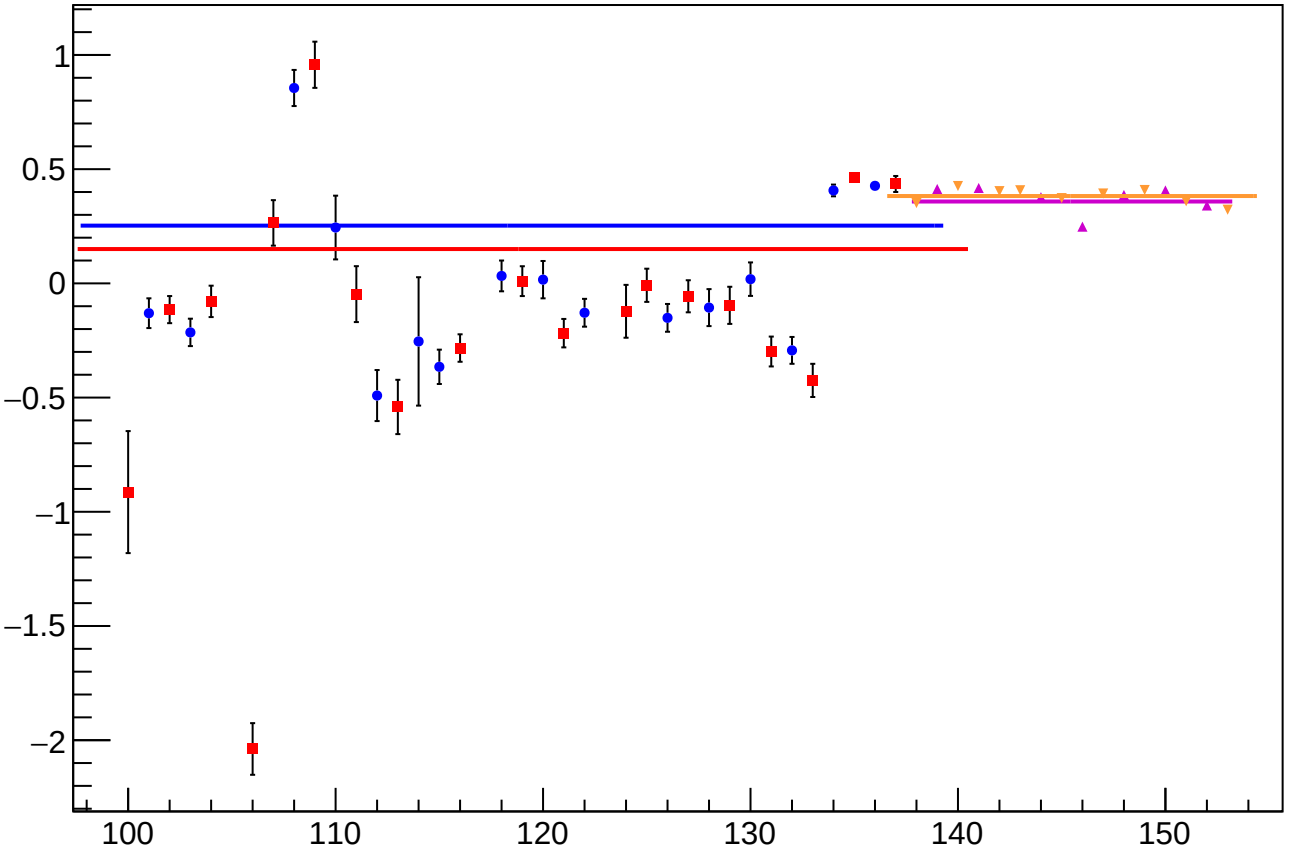
Left In: 9.801+/-0.092 χ^2/NDF:2028.7/6

+ sign 5.131+/-0.084 χ^2/NDF: 8090.4/24

All: 6.423+/-0.060 χ^2/NDF: 18512.2/50

- sign 7.776+/-0.086 χ^2/NDF: 9934.7/25

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.382+/-0.004 χ^2/NDF:48.9/8

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

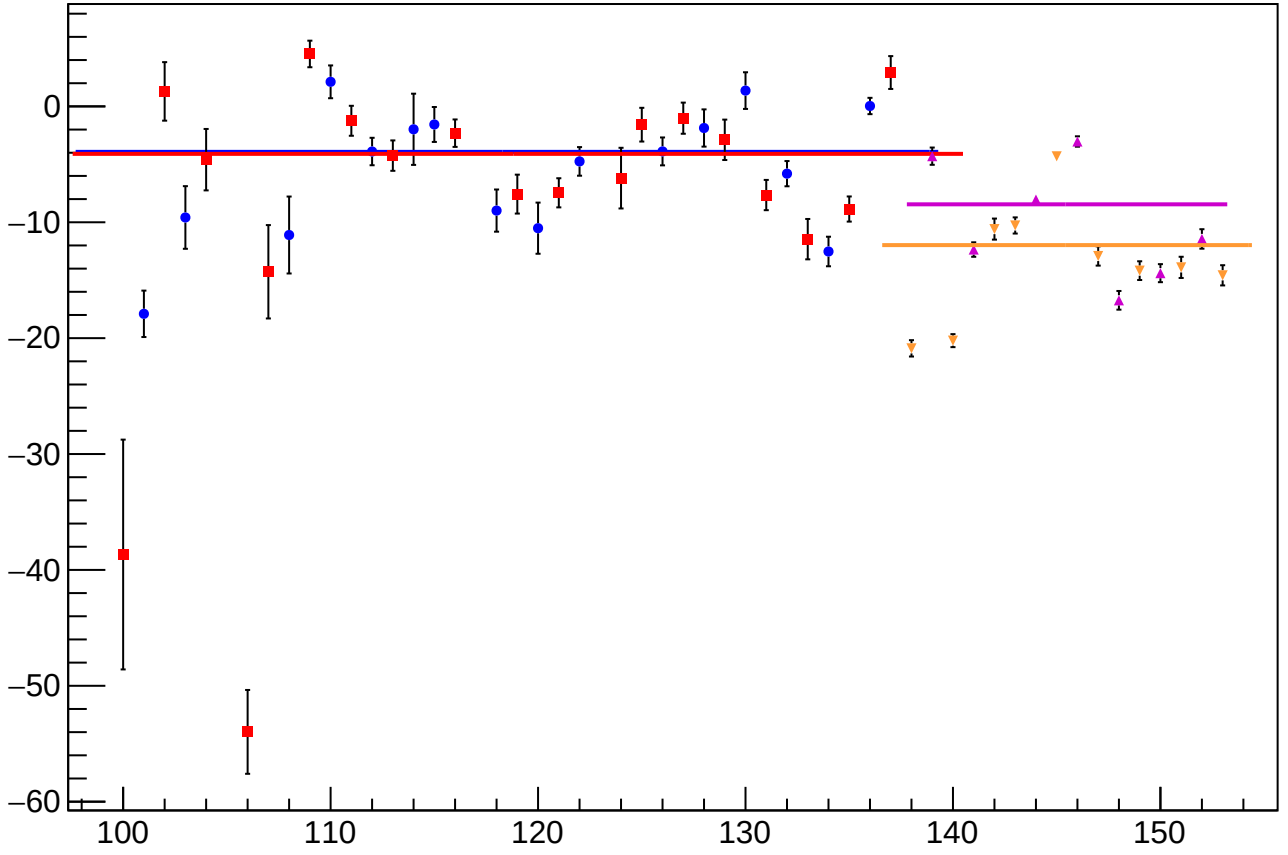
Left In: 0.358+/-0.005 χ^2/NDF:192.0/6

+ sign 0.366+/-0.004 χ^2/NDF: 791.0/24

All: 0.352+/-0.003 χ^2/NDF: 2242.1/50

- sign 0.337+/-0.004 χ^2/NDF: 1427.3/25

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.970+/-0.221 χ^2/NDF:784.0/8

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

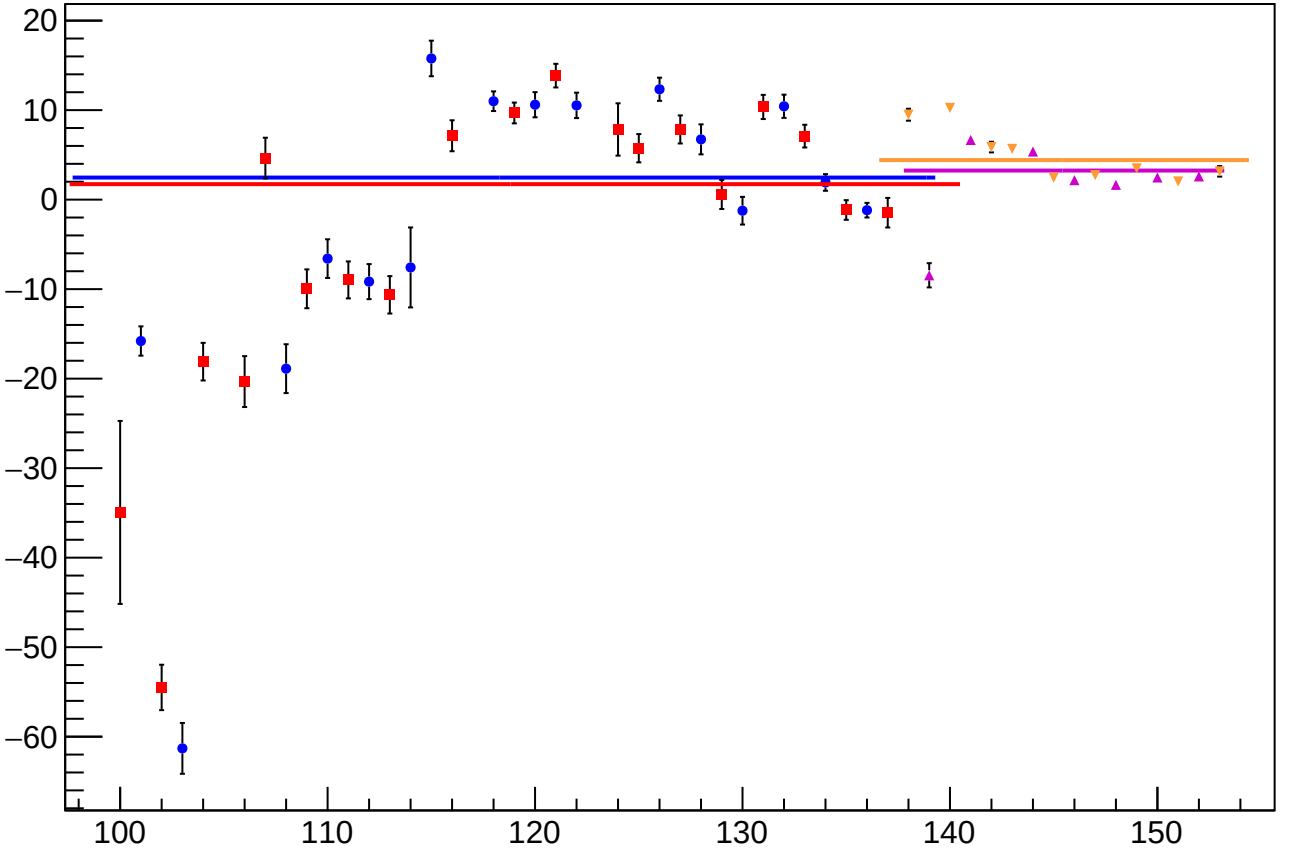
Left In: -8.451+/-0.227 χ^2/NDF:394.3/6

+ sign -9.632+/-0.187 χ^2/NDF: 1356.4/24

All: -8.447+/-0.134 χ^2/NDF: 2306.6/50

- sign -7.194+/-0.192 χ^2/NDF: 867.1/25

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.420+/-0.156 χ^2/NDF:318.2/8

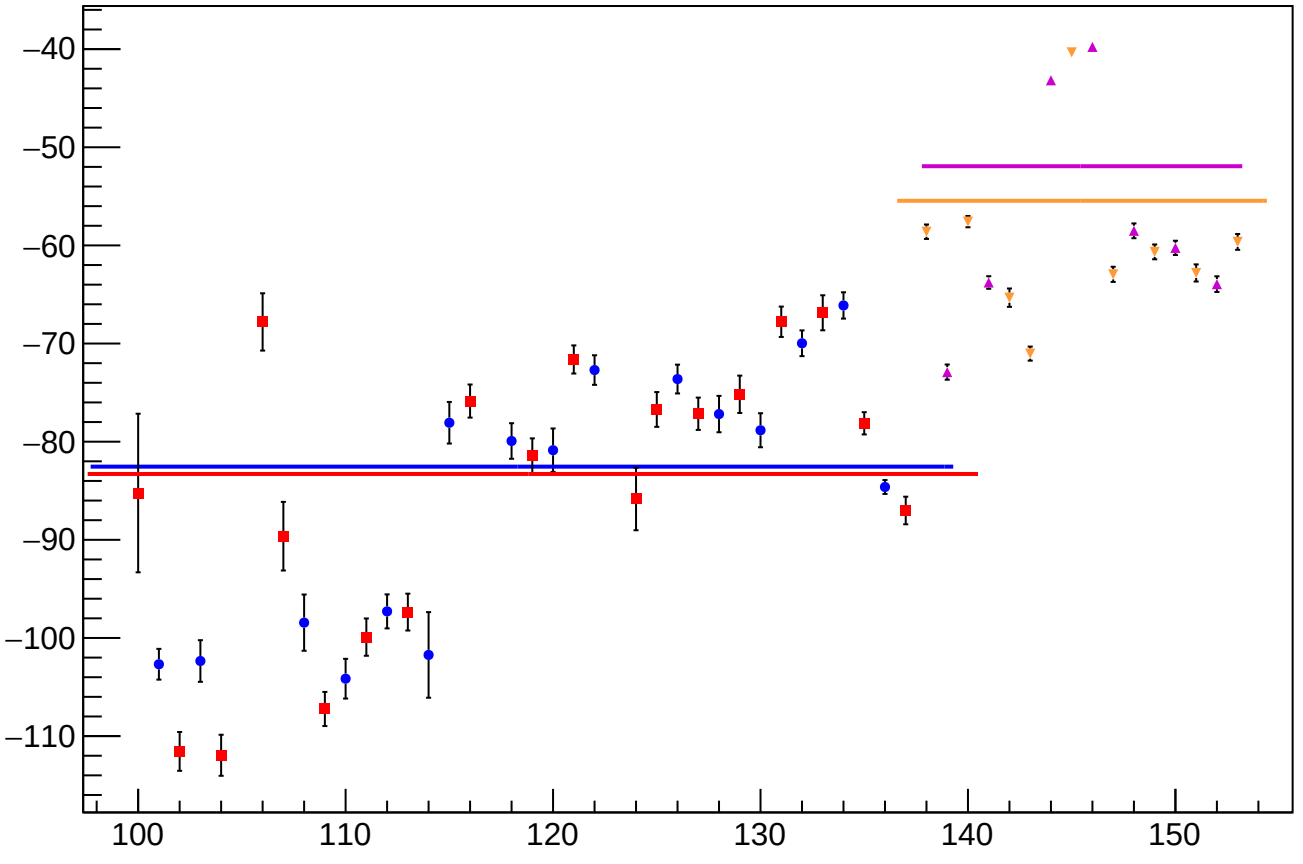
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.249+/-0.152 χ^2/NDF:214.2/6

+ sign 4.107+/-0.143 χ^2/NDF: 1390.2/24

All: 3.570+/-0.100 χ^2/NDF: 2628.9/50

- sign 3.045+/-0.141 χ^2/NDF: 1210.7/25



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -55.453+/-0.222 χ^2/NDF:2238.4/8

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

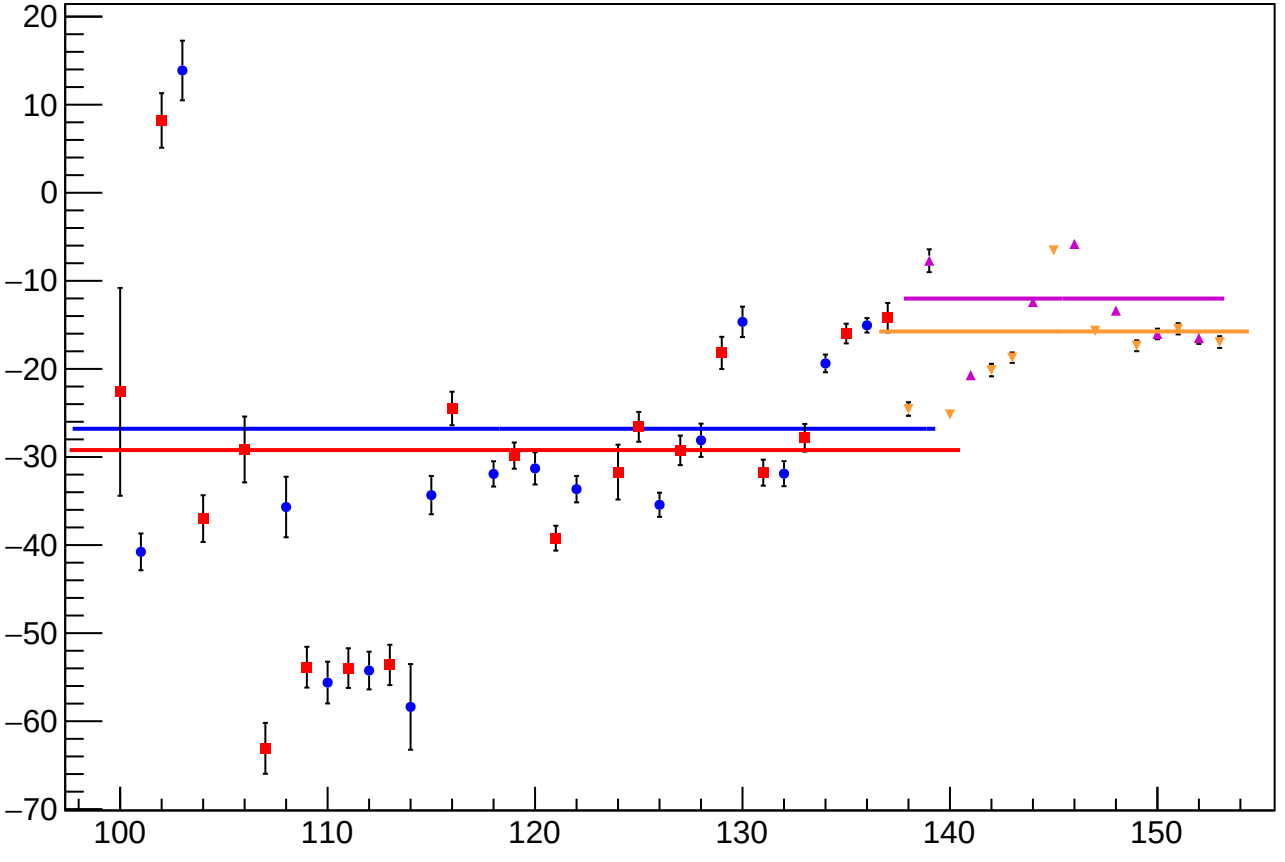
Left In: -51.932+/-0.225 χ^2/NDF:2690.8/6

+ sign -62.238+/-0.192 χ^2/NDF: 6801.3/24

All: -60.699+/-0.138 χ^2/NDF: 15141.4/50

- sign -59.074+/-0.198 χ^2/NDF: 8208.5/25

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.747+/-0.189 χ^2/NDF:1118.1/8

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

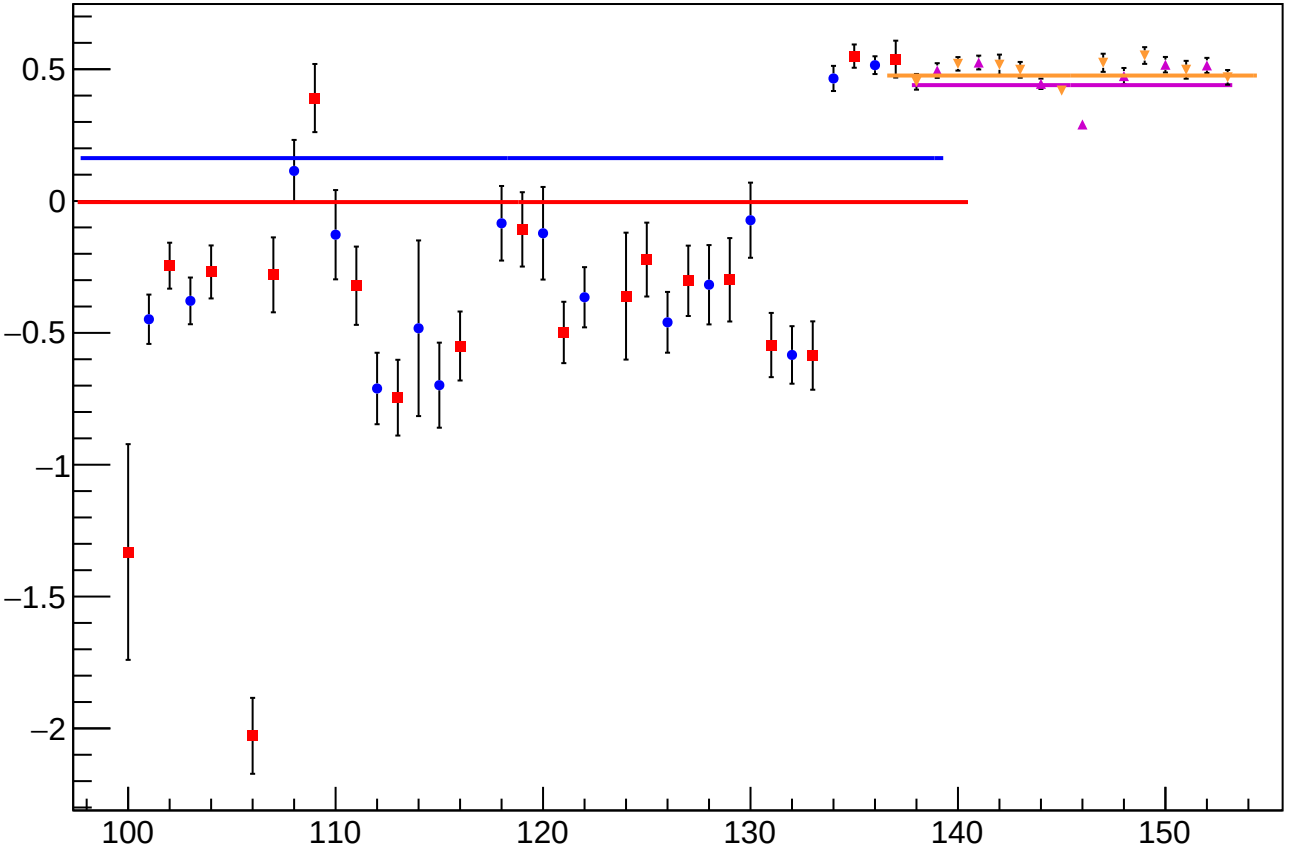
Left In: -12.012+/-0.186 χ^2/NDF:716.3/6

+ sign -17.794+/-0.170 χ^2/NDF: 2717.1/24

All: -16.259+/-0.121 χ^2/NDF: 5899.6/50

- sign -14.714+/-0.171 χ^2/NDF: 3019.4/25

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.476+/-0.009 χ^2/NDF:26.0/8

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

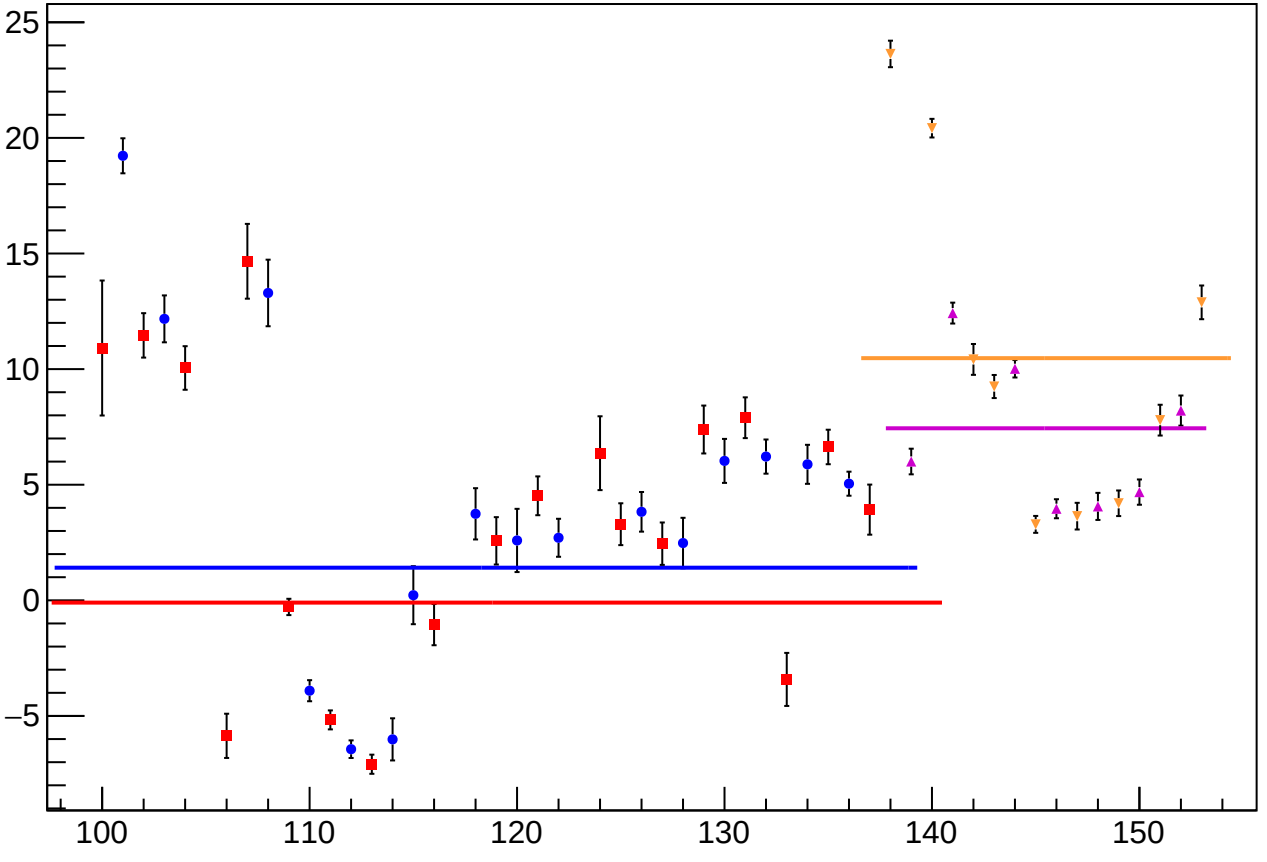
Left In: 0.440+/-0.009 χ^2/NDF:93.3/6

+ sign 0.429+/-0.008 χ^2/NDF: 630.4/24

All: 0.407+/-0.006 χ^2/NDF: 1599.6/50

- sign 0.384+/-0.009 χ^2/NDF: 955.2/25

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 10.474+/-0.173 χ^2/NDF:1825.1/8

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

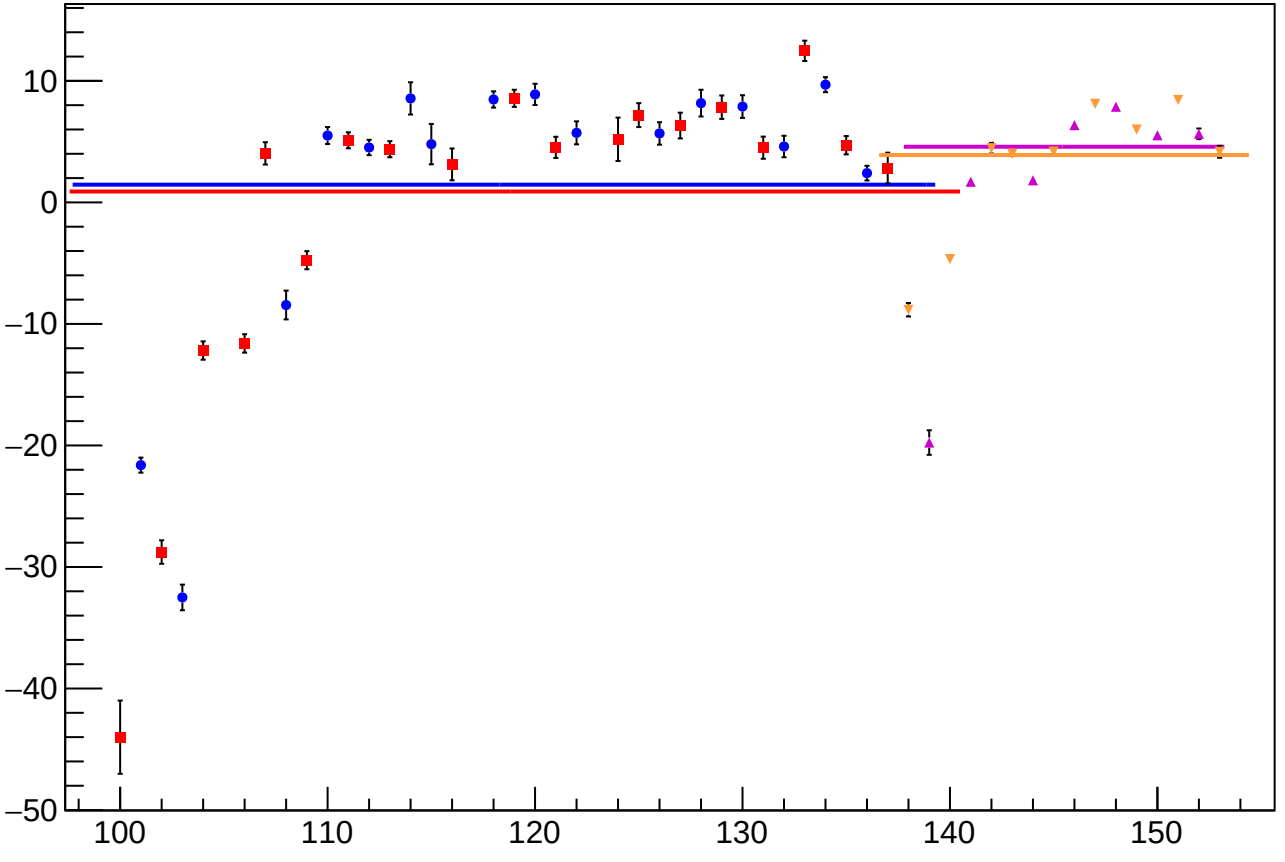
Left In: 7.441+/-0.183 χ^2/NDF:306.6/6

+ sign 6.195+/-0.126 χ^2/NDF: 4640.3/24

All: 4.736+/-0.088 χ^2/NDF: 7280.0/50

- sign 3.327+/-0.124 χ^2/NDF: 2375.3/25

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.897+/-0.119 χ^2/NDF:1636.7/8

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

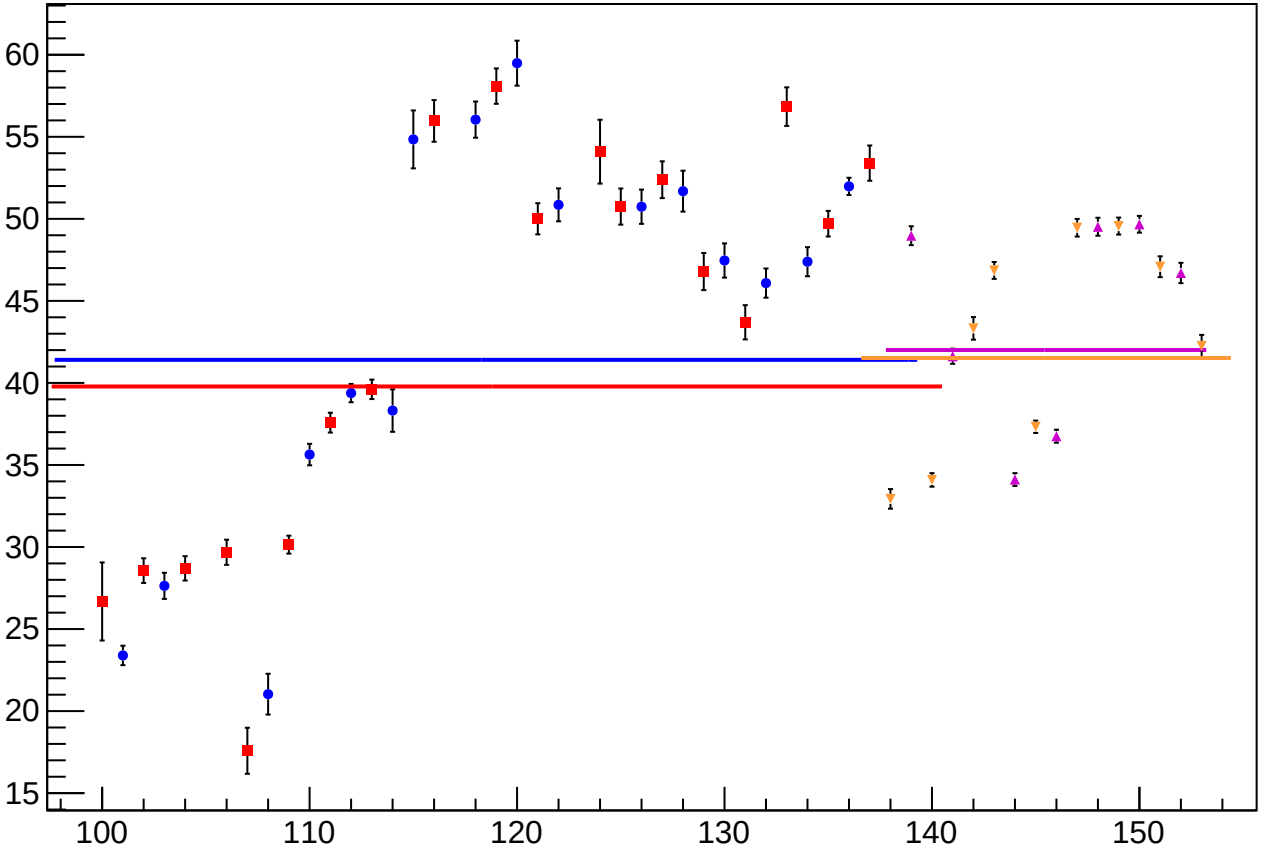
Left In: 4.579+/-0.123 χ^2/NDF:962.9/6

+ sign 3.273+/-0.103 χ^2/NDF: 4823.8/24

All: 3.425+/-0.074 χ^2/NDF: 8410.9/50

- sign 3.584+/-0.105 χ^2/NDF: 3582.6/25

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 41.519+/-0.173 χ^2/NDF:1304.5/8

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

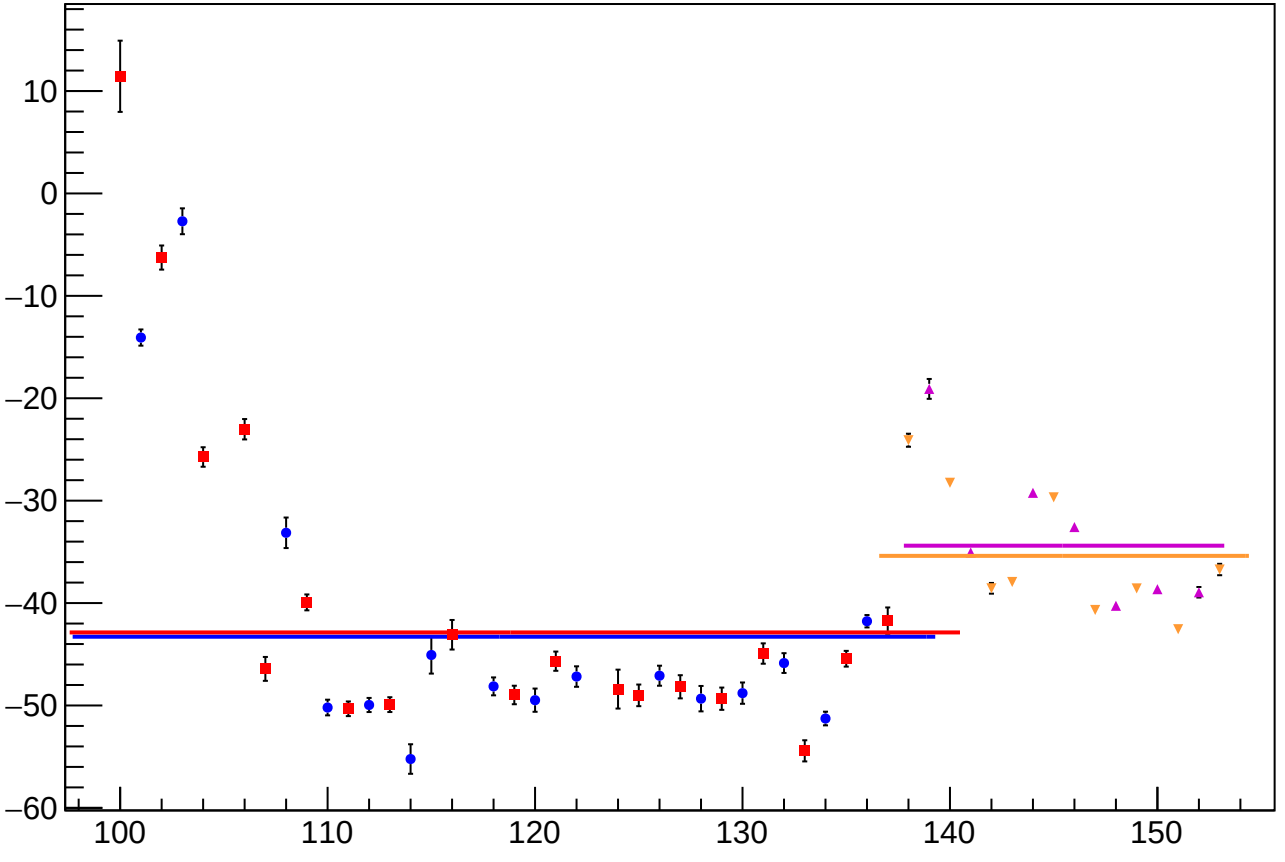
Left In: 42.005+/-0.181 χ^2/NDF:1205.5/6

+ sign 41.474+/-0.134 χ^2/NDF: 4050.7/24

All: 41.249+/-0.095 χ^2/NDF: 7982.4/50

- sign 41.019+/-0.135 χ^2/NDF: 3925.9/25

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -35.390+/-0.146 χ^2/NDF:1487.1/8

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

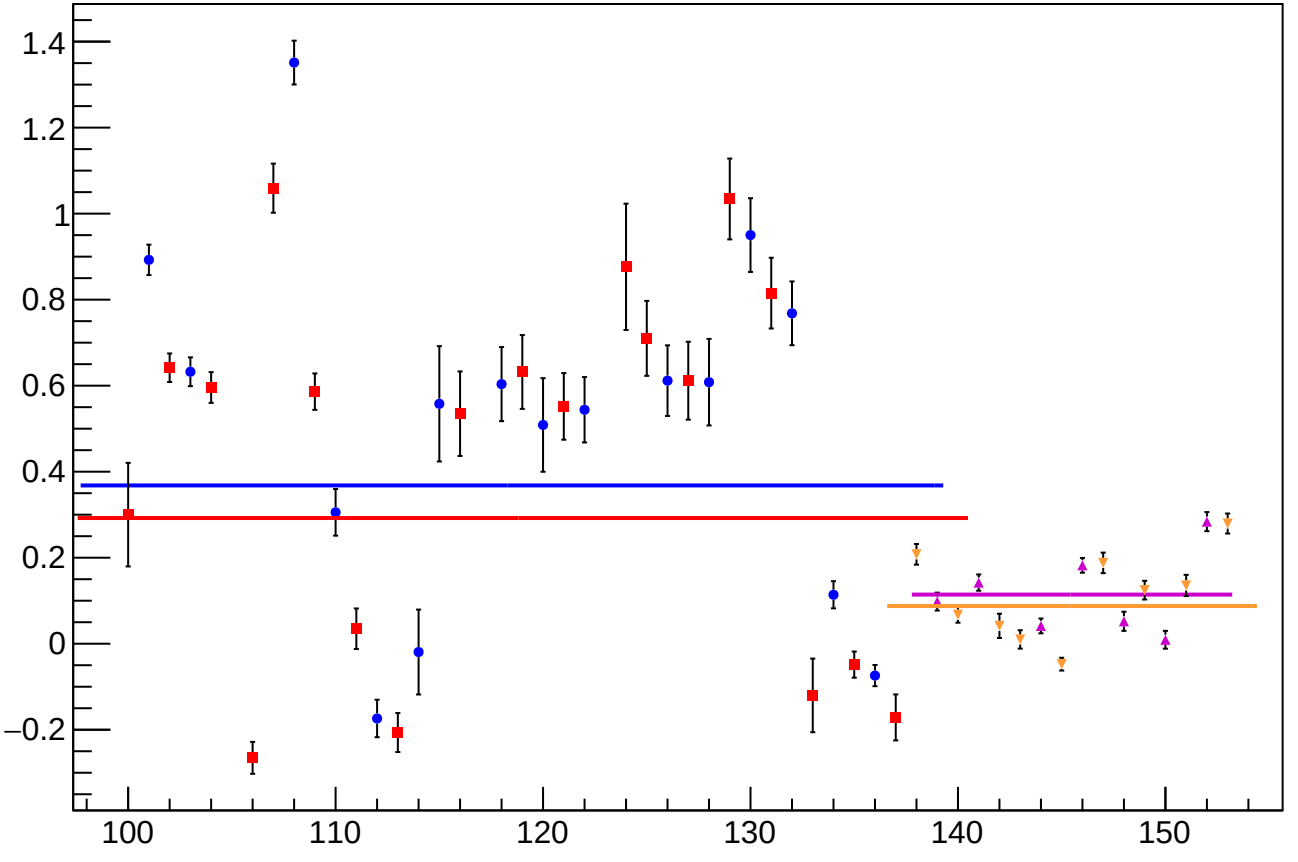
Left In: -34.397+/-0.151 χ^2/NDF:949.0/6

+ sign -37.658+/-0.123 χ^2/NDF: 5317.0/24

All: -37.316+/-0.088 χ^2/NDF: 9690.4/50

- sign -36.958+/-0.126 χ^2/NDF: 4357.5/25

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.088+/-0.007 χ^2/NDF:216.7/8

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

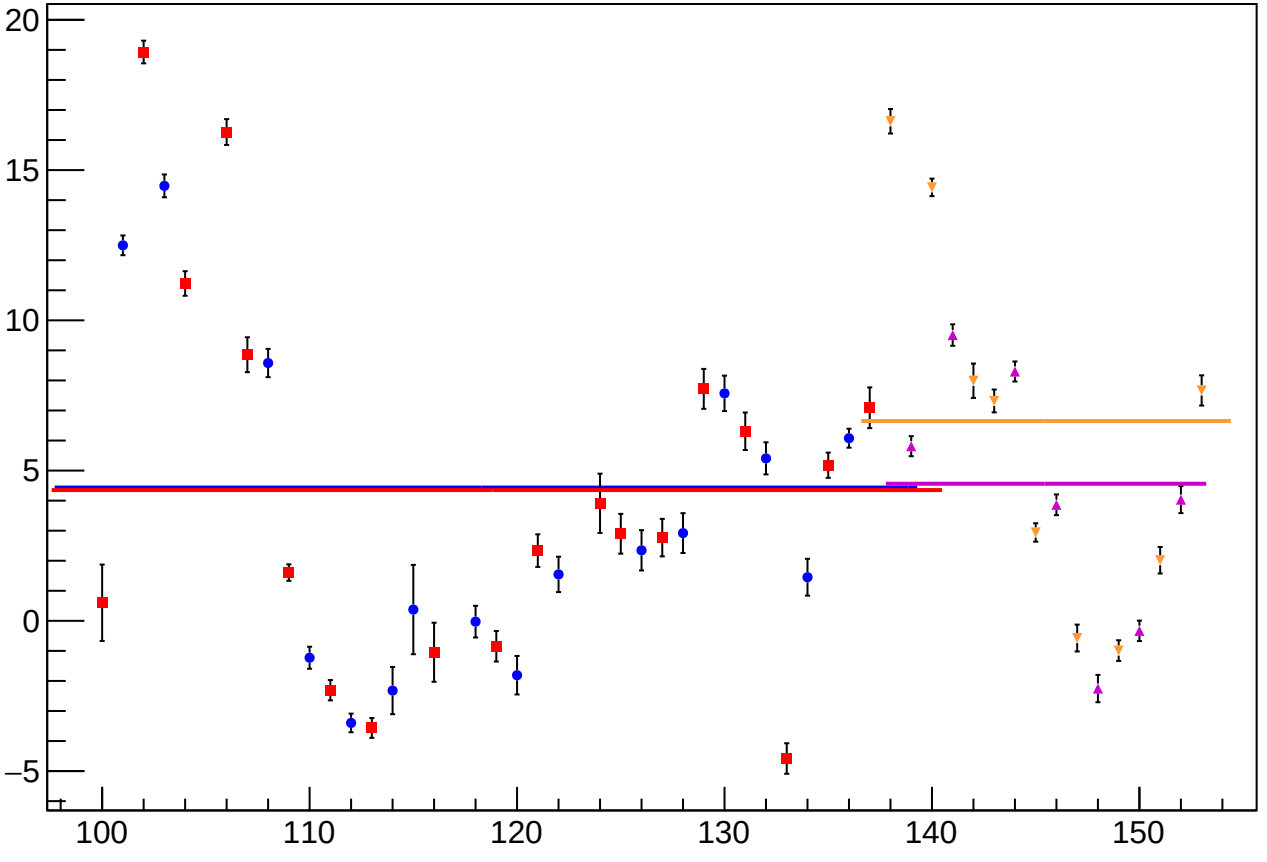
Left In: 0.114+/-0.007 χ^2/NDF:128.5/6

+ sign 0.158+/-0.006 χ^2/NDF: 1933.0/24

All: 0.160+/-0.004 χ^2/NDF: 3418.4/50

- sign 0.163+/-0.006 χ^2/NDF: 1485.2/25

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 6.650+/-0.128 χ^2/NDF:2330.7/8

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

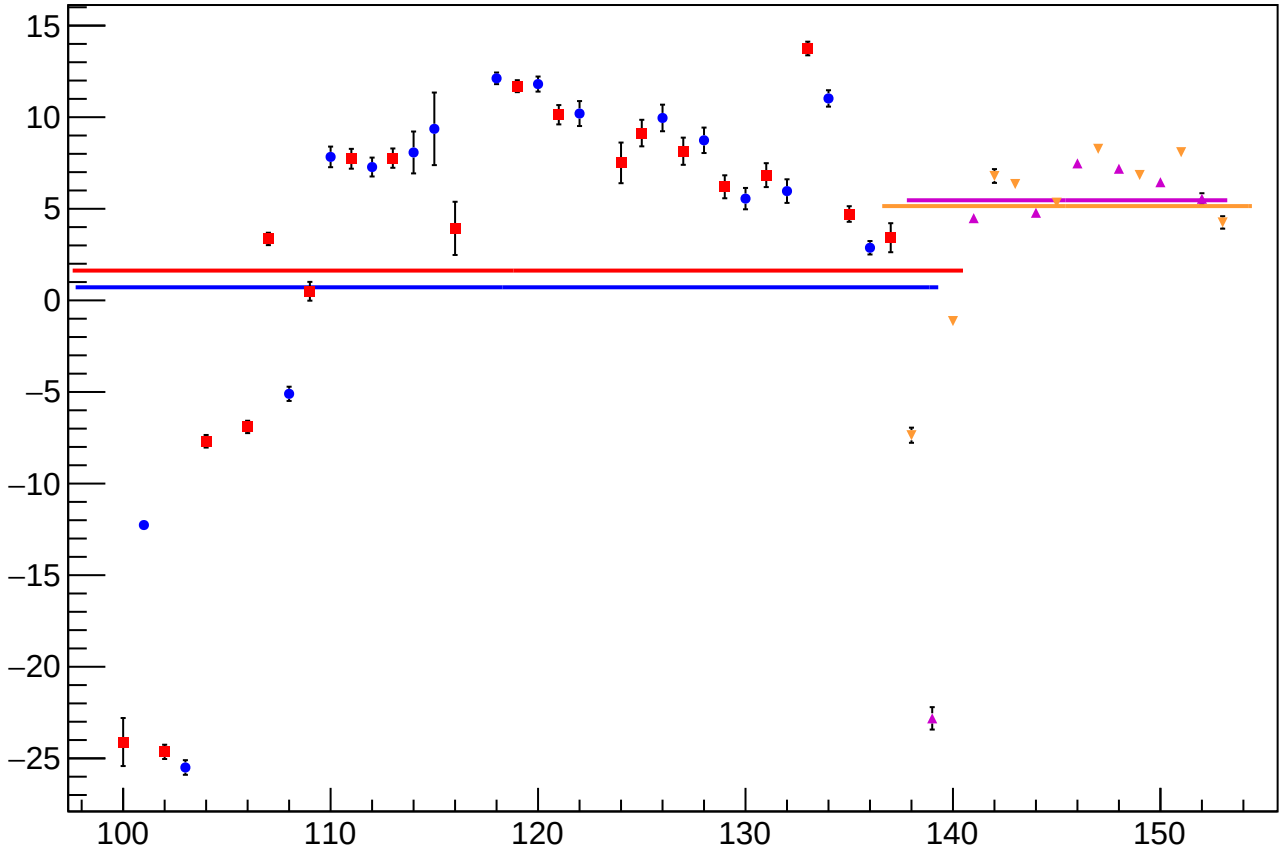
Left In: 4.562+/-0.138 χ^2/NDF:768.7/6

+ sign 5.442+/-0.086 χ^2/NDF: 5115.8/24

All: 4.932+/-0.061 χ^2/NDF: 10160.1/50

- sign 4.432+/-0.086 χ^2/NDF: 4975.5/25

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.147+/-0.089 χ^2/NDF:2044.2/8

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

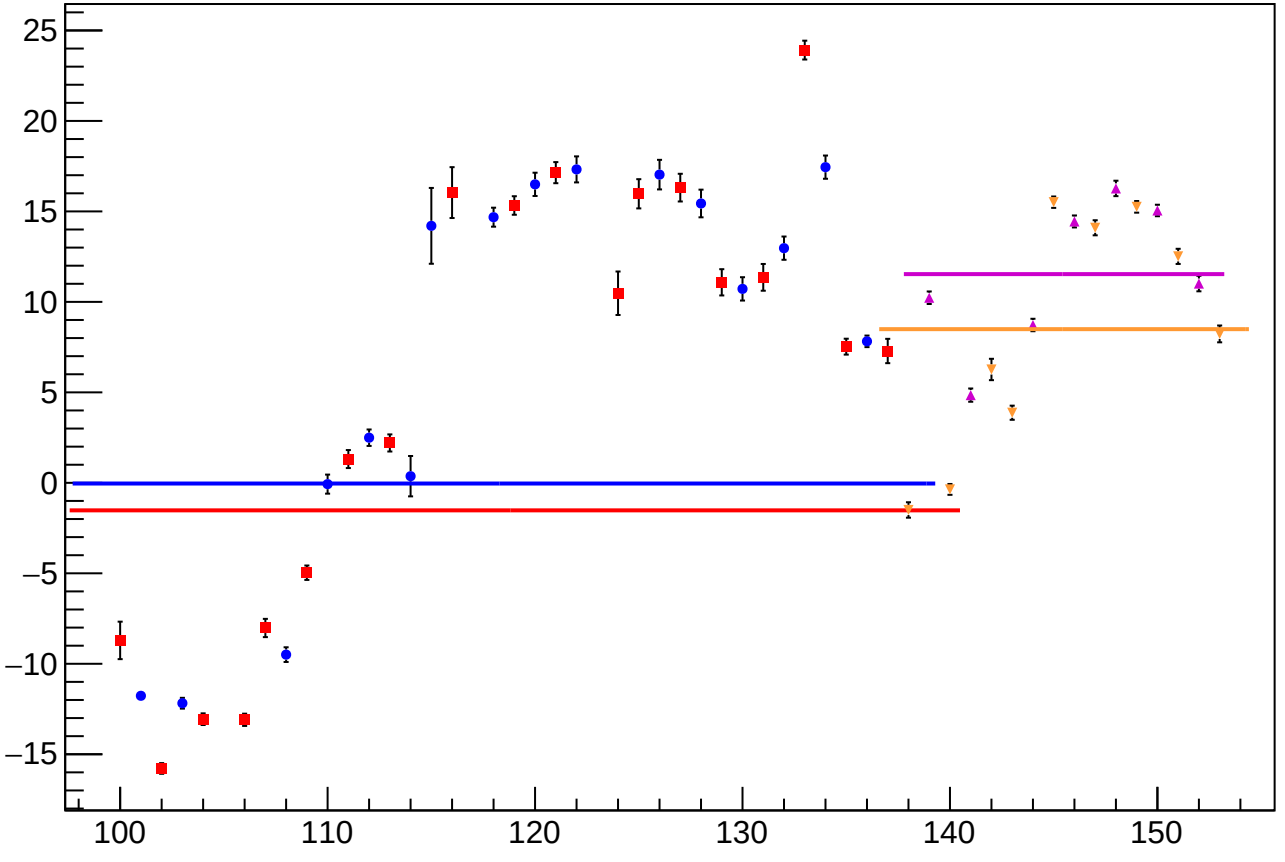
Left In: 5.466+/-0.097 χ^2/NDF:2330.1/6

+ sign 3.508+/-0.071 χ^2/NDF: 13419.3/24

All: 3.654+/-0.051 χ^2/NDF: 25694.0/50

- sign 3.811+/-0.073 χ^2/NDF: 12265.7/25

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 8.493+/-0.127 χ^2/NDF:2785.5/8

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

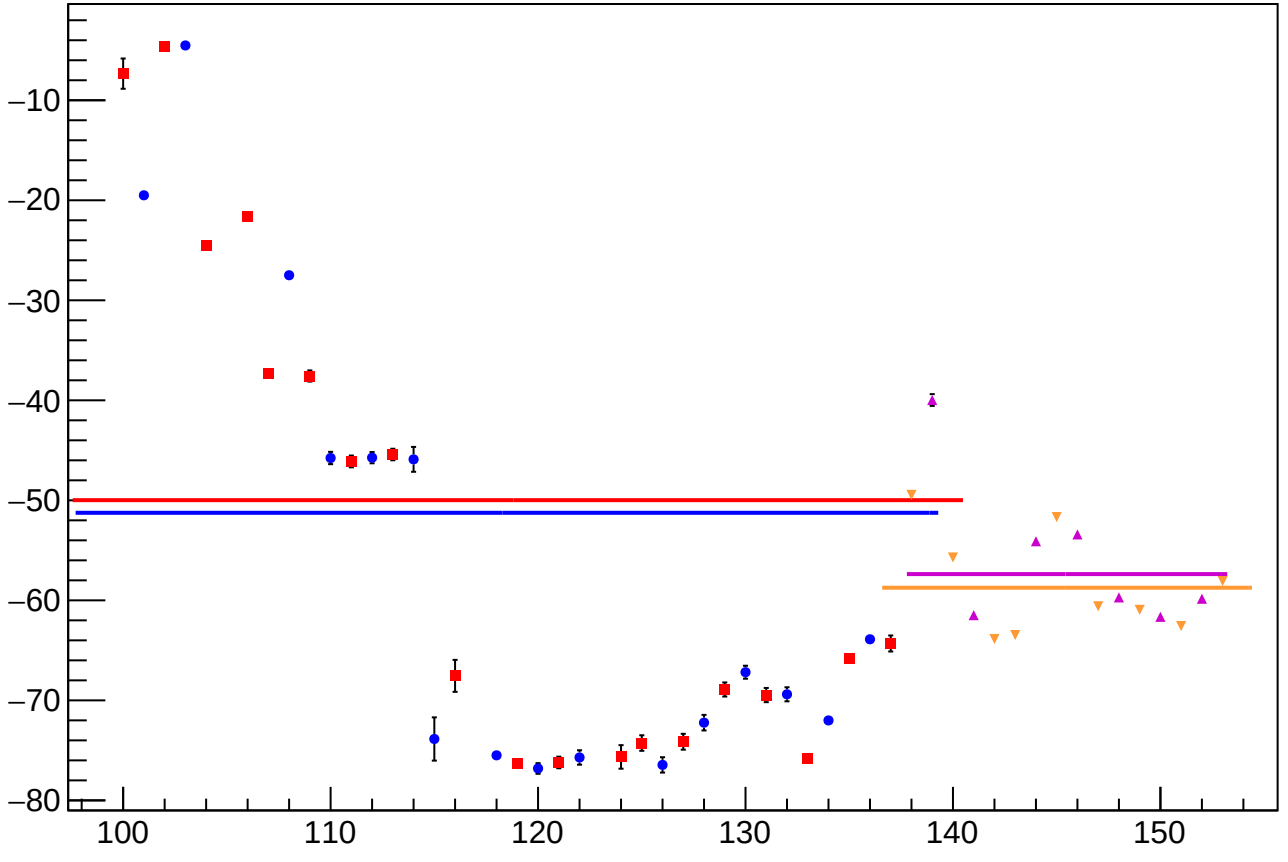
Left In: 11.535+/-0.136 χ^2/NDF:739.4/6

+ sign 3.958+/-0.087 χ^2/NDF: 14452.7/24

All: 3.948+/-0.062 χ^2/NDF: 32702.5/50

- sign 3.937+/-0.088 χ^2/NDF: 18249.8/25

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.737+/-0.108 χ^2/NDF:1687.0/8

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

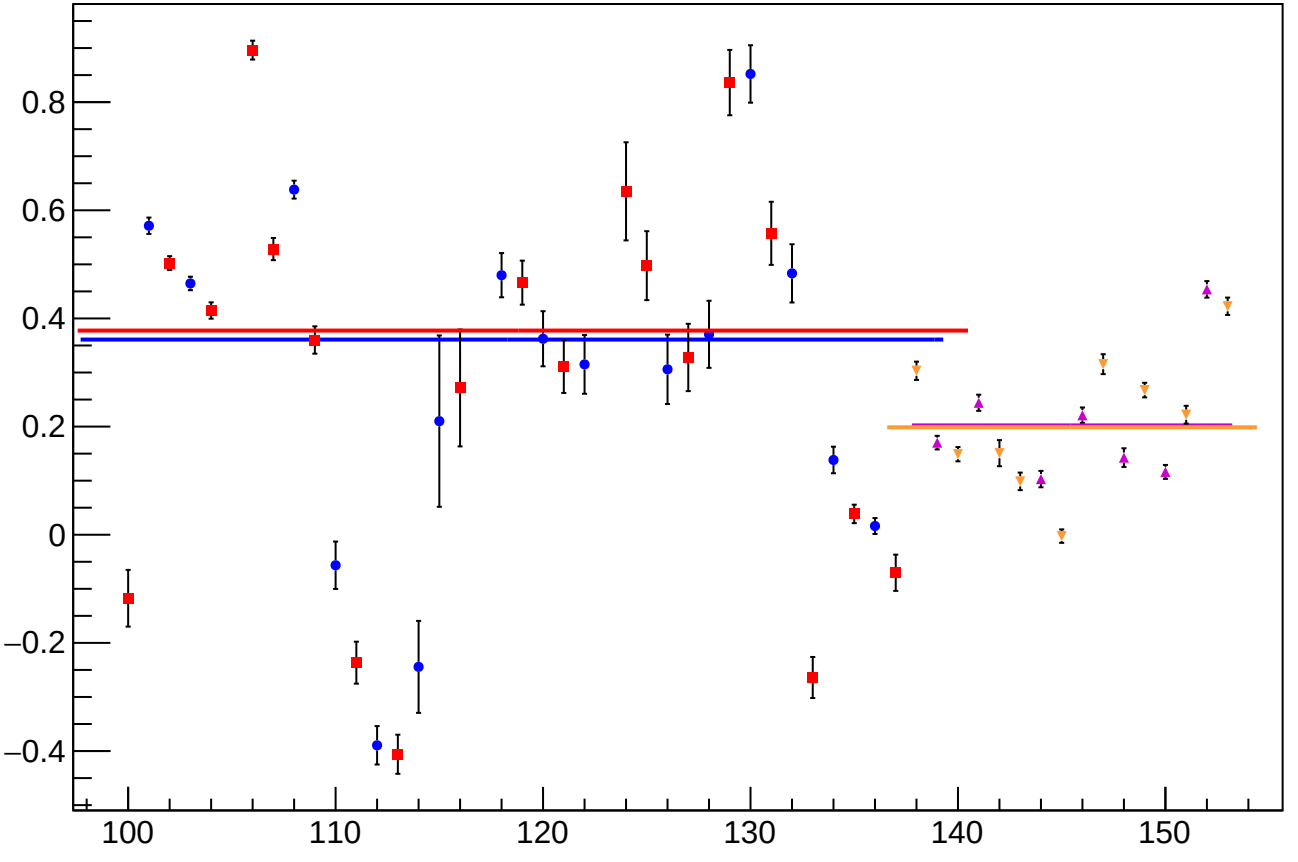
Left In: -57.375+/-0.117 χ^2/NDF:1782.1/6

+ sign -55.837+/-0.084 χ^2/NDF: 37318.5/24

All: -54.991+/-0.061 χ^2/NDF: 74978.2/50

- sign -54.090+/-0.087 χ^2/NDF: 37452.2/25

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.199+/-0.005 χ^2/NDF:617.7/8

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

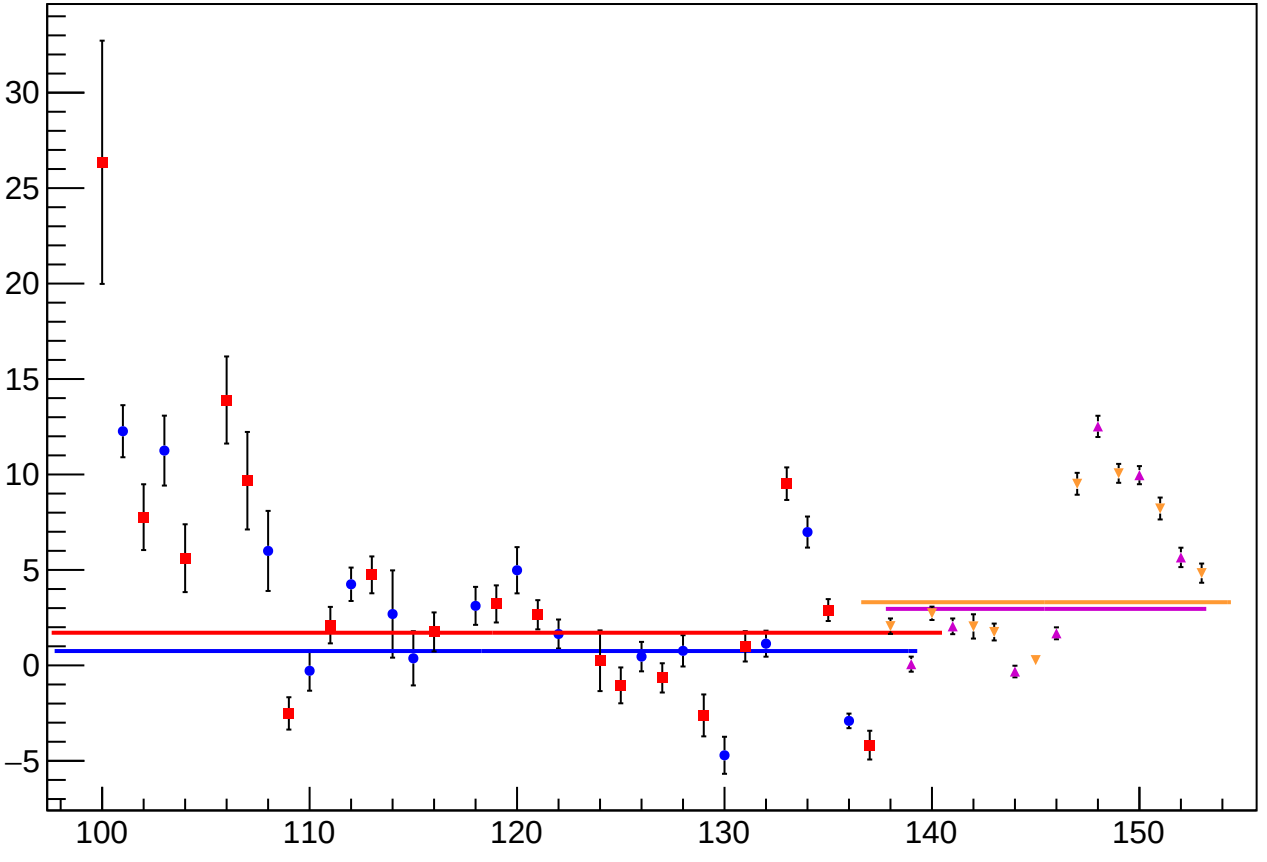
Left In: 0.202+/-0.005 χ^2/NDF:386.3/6

\+ sign 0.263+/-0.004 χ^2/NDF: 2868.1/24

All: 0.272+/-0.003 χ^2/NDF: 6511.4/50

\- sign 0.280+/-0.004 χ^2/NDF: 3635.0/25

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 3.309+/-0.141 χ^2/NDF:546.5/8

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

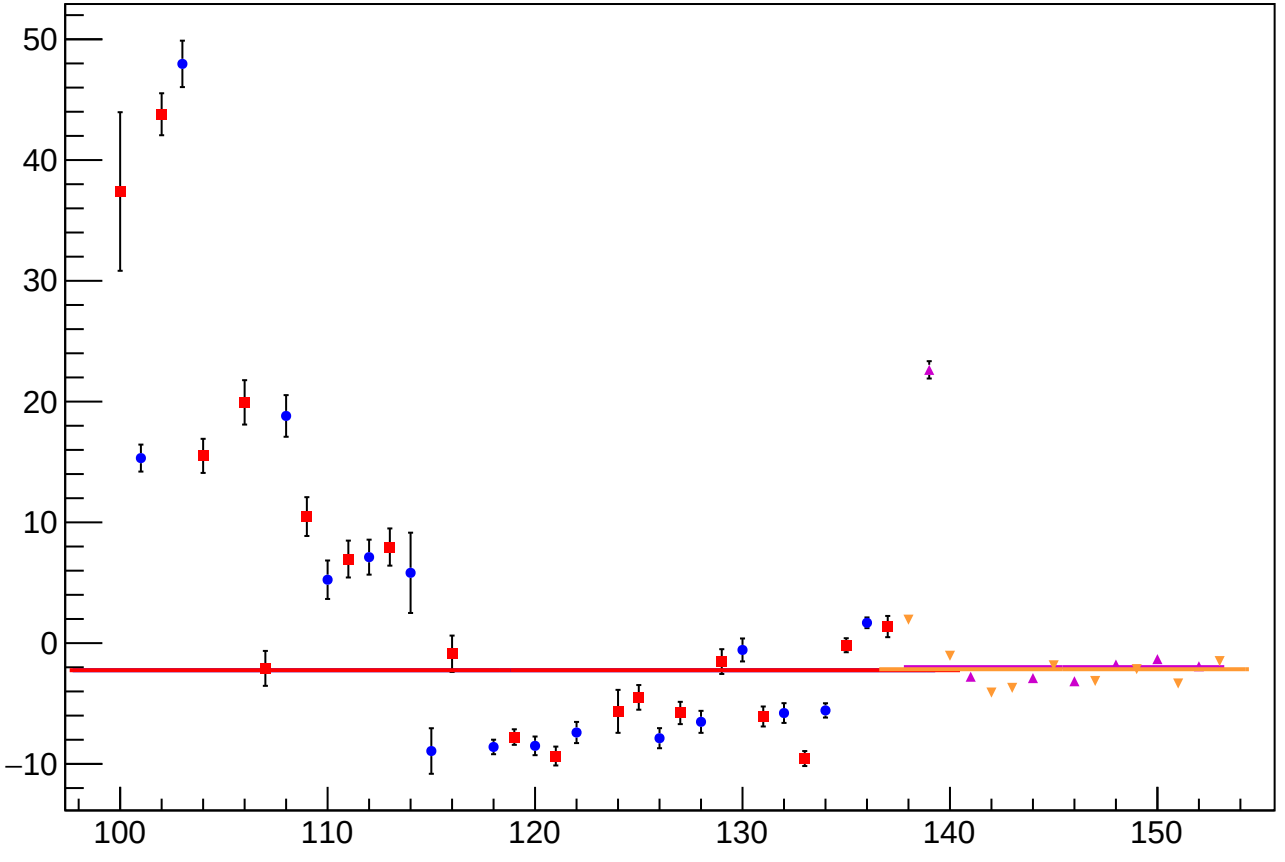
Left In: 2.960+/-0.149 χ^2/NDF:732.5/6

+ sign 2.528+/-0.117 χ^2/NDF: 977.3/24

All: 2.549+/-0.085 χ^2/NDF: 2025.5/50

- sign 2.573+/-0.124 χ^2/NDF: 1048.1/25

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.161+/-0.101 χ^2/NDF:201.0/8

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

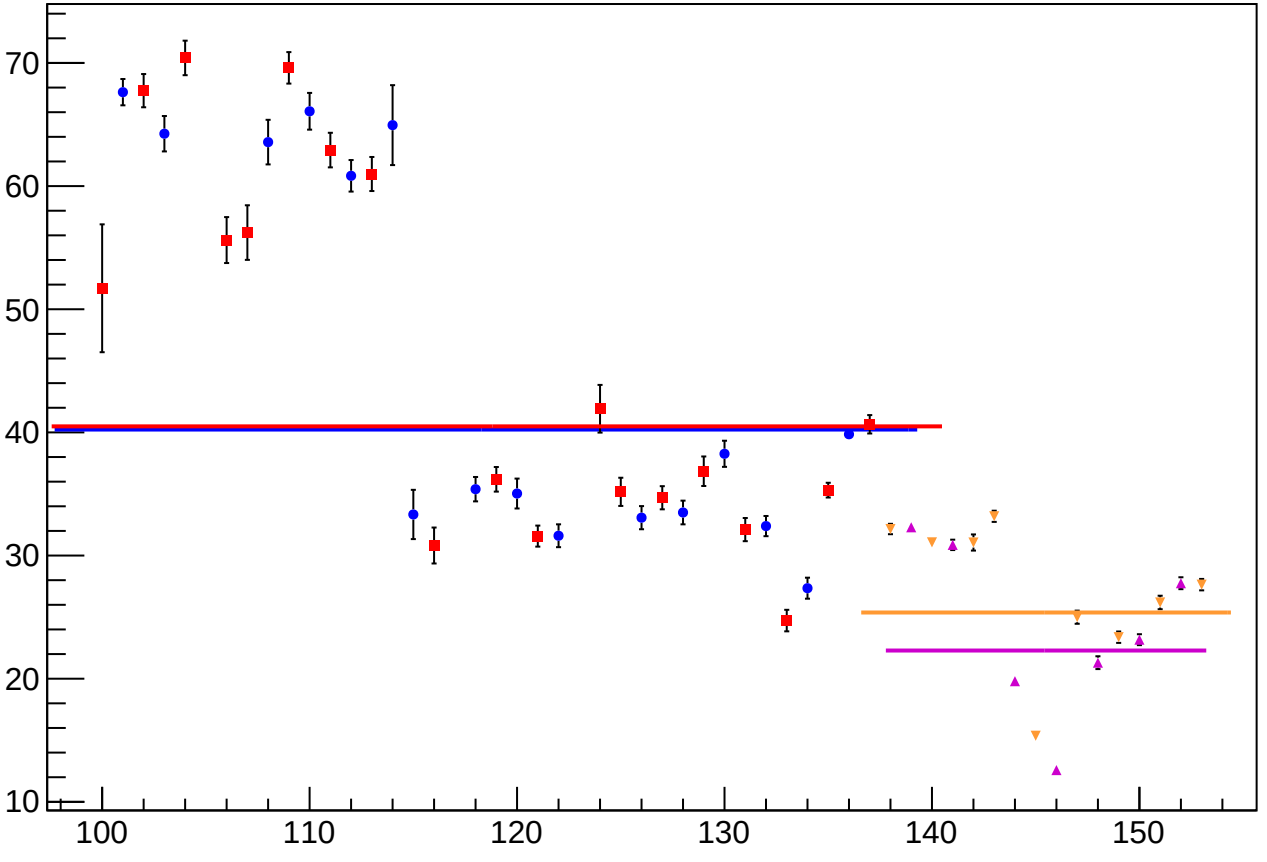
Left In: -1.988+/-0.104 χ^2/NDF:1240.4/6

+ sign -2.176+/-0.091 χ^2/NDF: 1773.6/24

All: -2.106+/-0.066 χ^2/NDF: 4571.9/50

- sign -2.031+/-0.095 χ^2/NDF: 2797.0/25

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 25.376+/-0.141 χ^2/NDF:2280.4/8

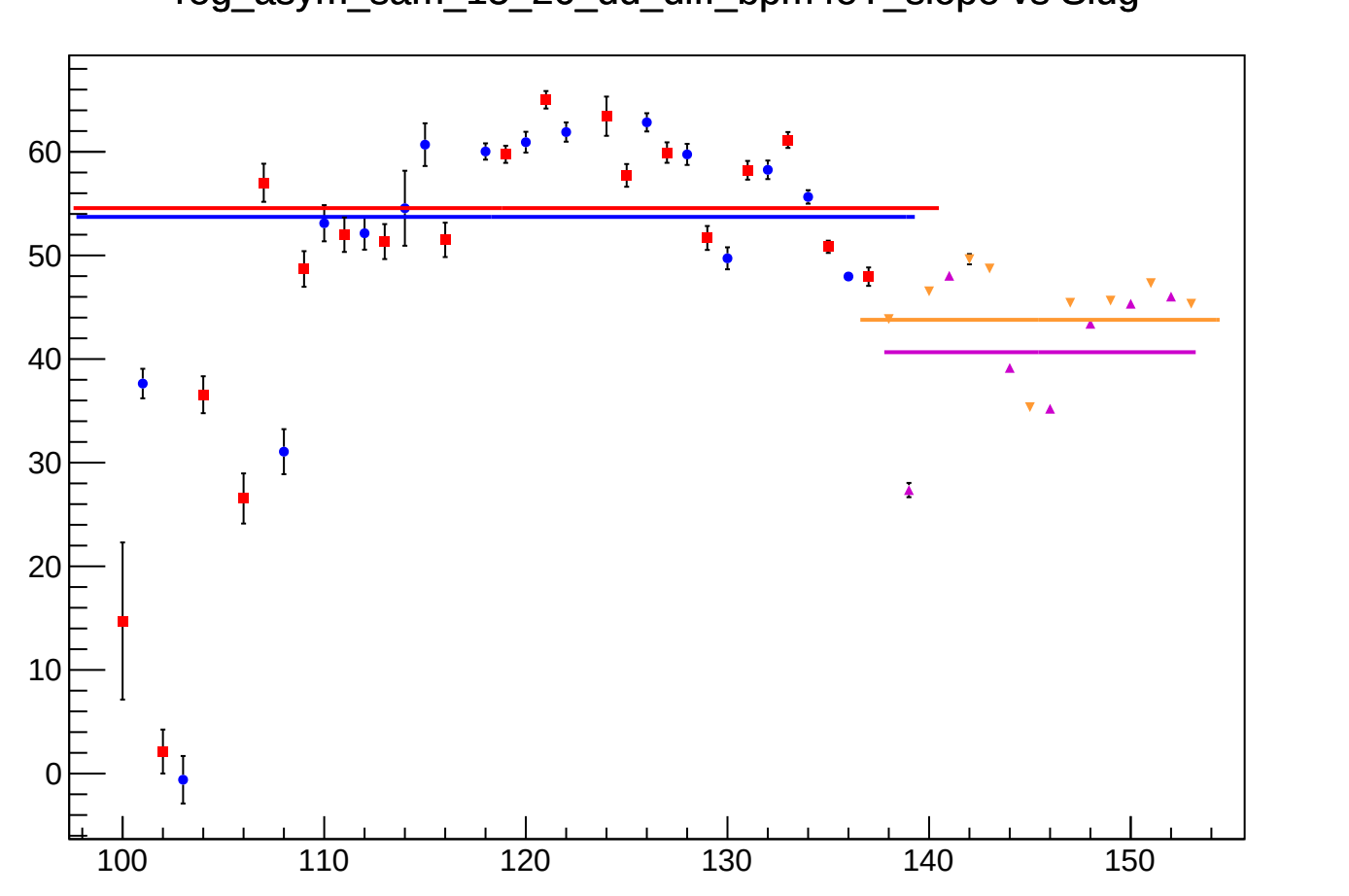
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 22.288+/-0.148 χ^2/NDF:2240.0/6

+ sign 29.405+/-0.121 χ^2/NDF: 7574.6/24

All: 28.267+/-0.088 χ^2/NDF: 16617.5/50

- sign 26.996+/-0.127 χ^2/NDF: 8854.2/25



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.785+/-0.121 χ^2/NDF:1678.7/8

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

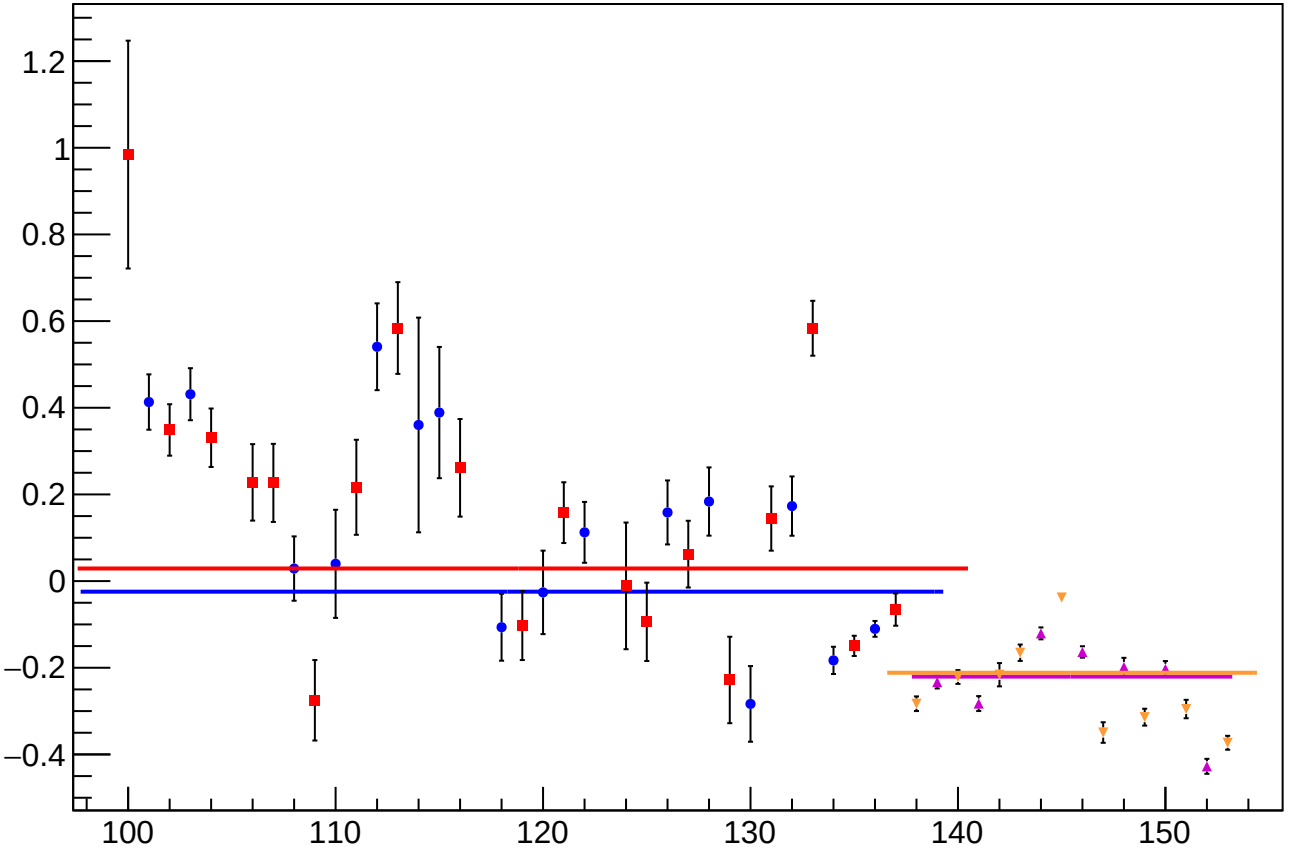
Left In: 40.660+/-0.126 χ^2/NDF:1755.0/6

+ sign 45.817+/-0.108 χ^2/NDF: 4414.4/24

All: 44.648+/-0.078 χ^2/NDF: 10129.4/50

- sign 43.370+/-0.113 χ^2/NDF: 5470.4/25

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.211+/-0.006 χ^2/NDF:462.2/8

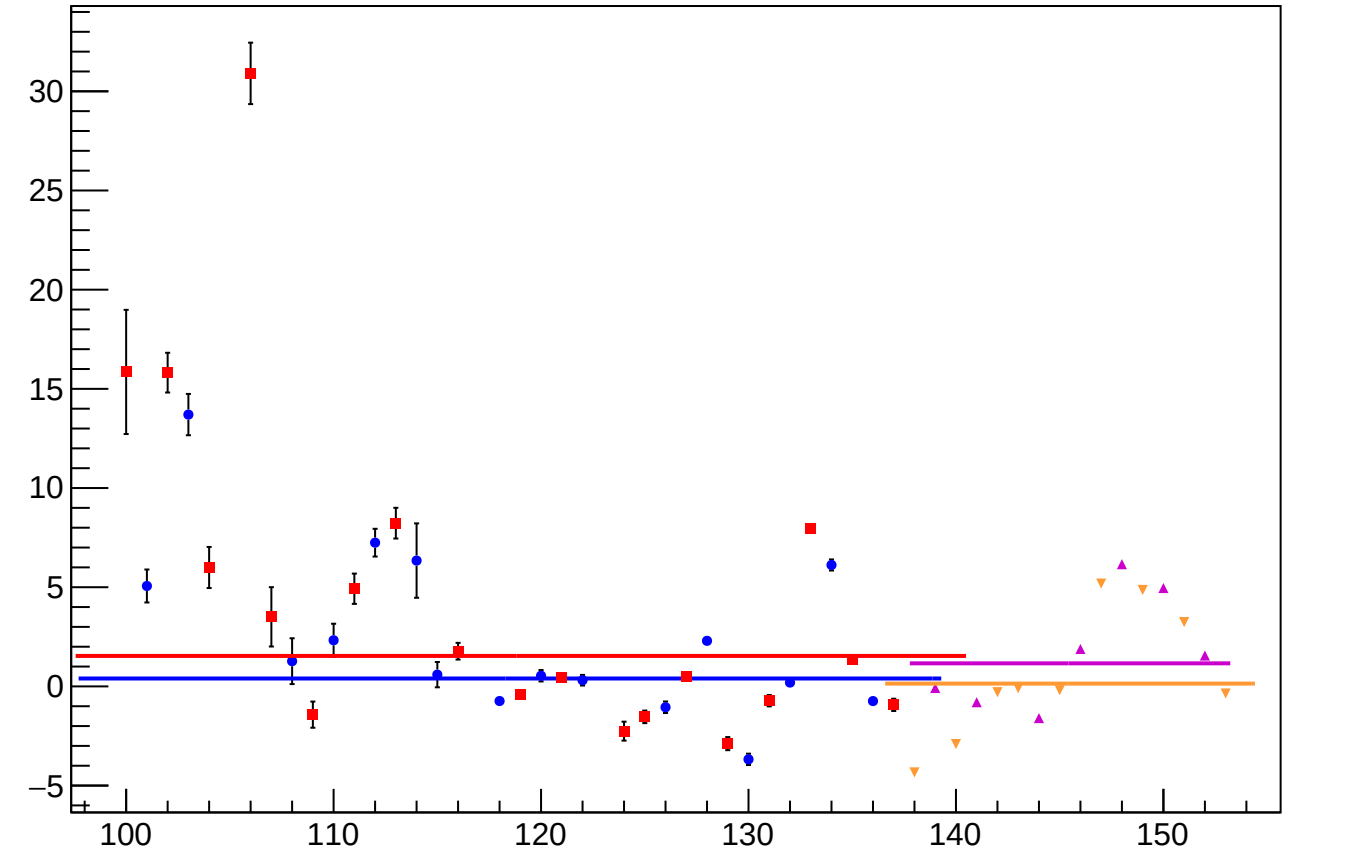
Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.220+/-0.006 χ^2/NDF:230.8/6

+ sign -0.181+/-0.005 χ^2/NDF: 870.0/24

All: -0.182+/-0.004 χ^2/NDF: 1637.6/50

- sign -0.183+/-0.006 χ^2/NDF: 767.5/25



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: 0.141+/-0.051 χ^2/NDF:3242.3/8

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

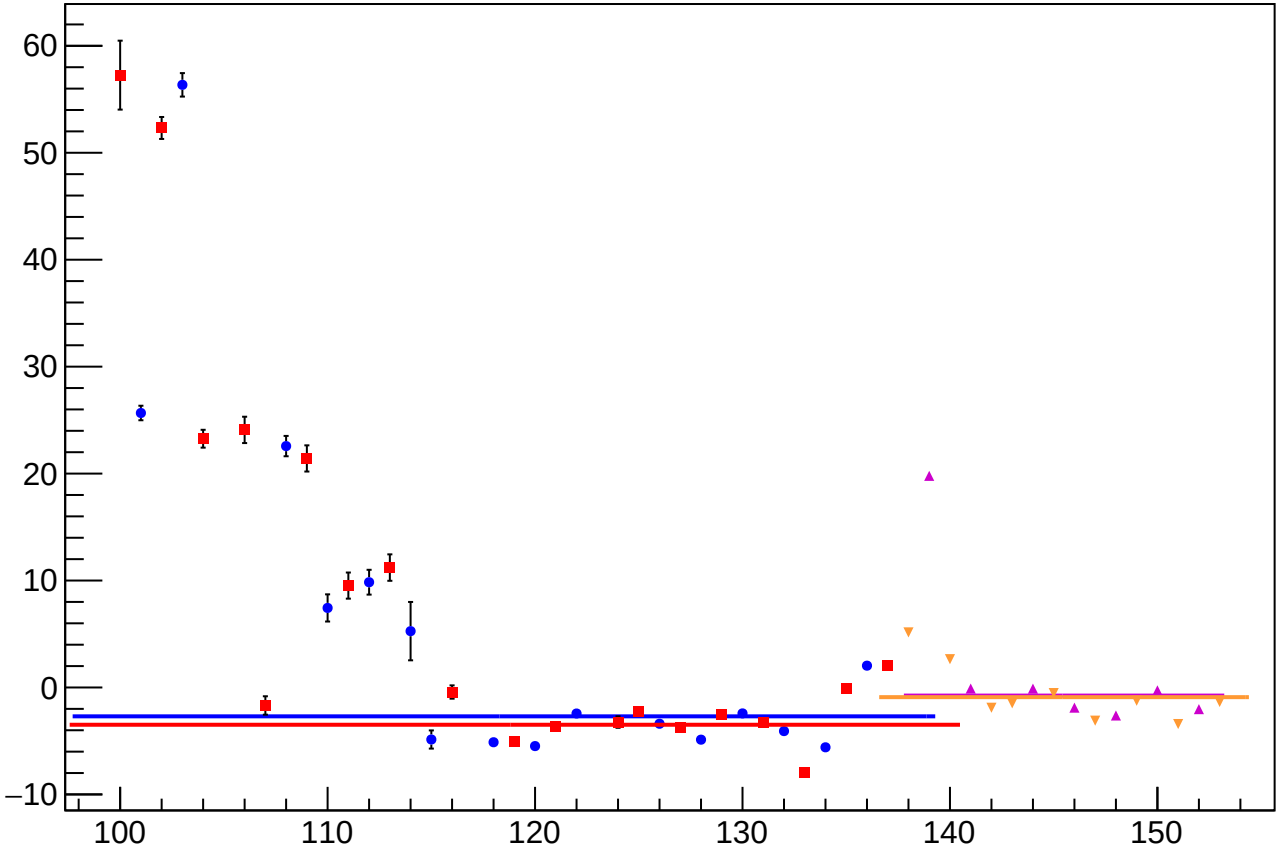
Left In: 1.163+/-0.053 χ^2/NDF:2263.3/6

+ sign 0.220+/-0.043 χ^2/NDF: 4347.4/24

All: 0.737+/-0.031 χ^2/NDF: 9338.5/50

- sign 1.279+/-0.044 χ^2/NDF: 4690.1/25

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.905+/-0.036 χ^2/NDF:3682.3/8

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

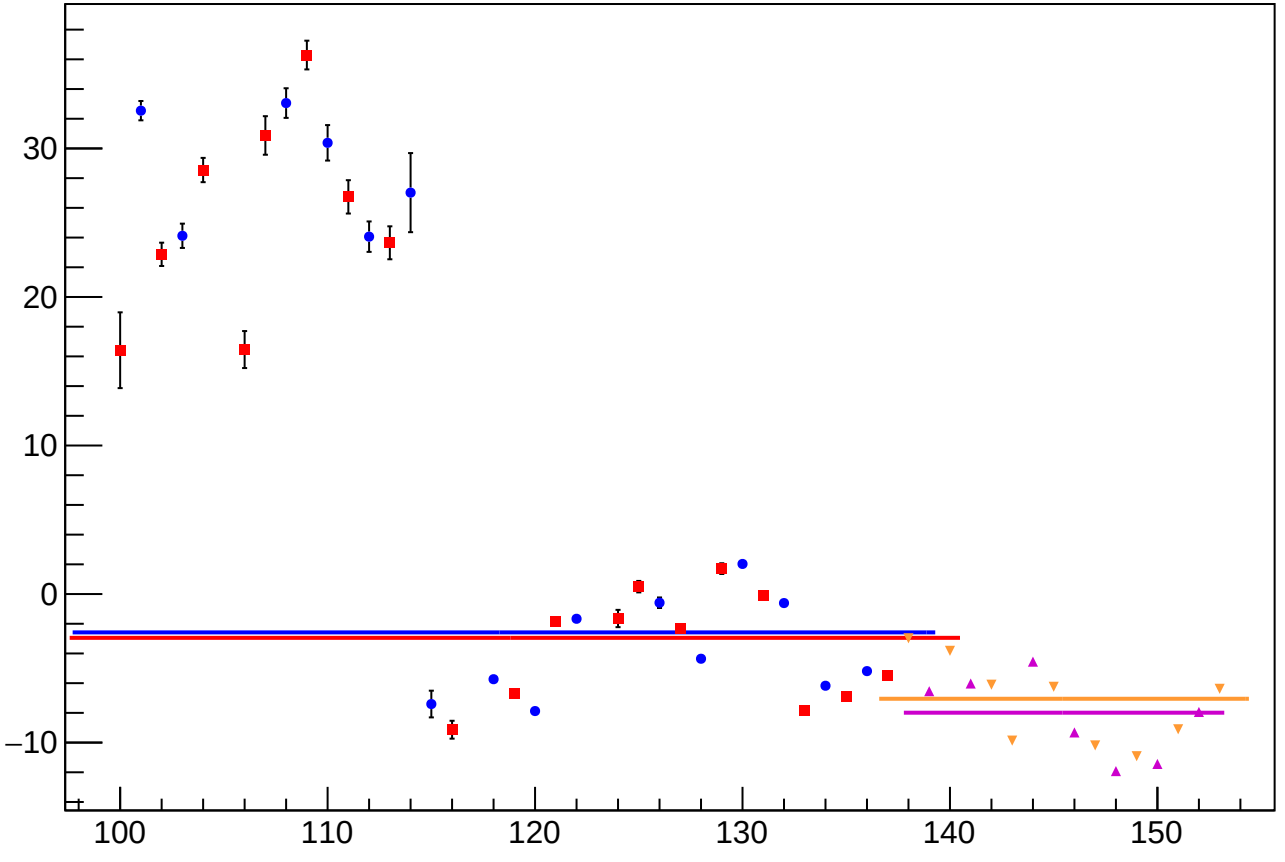
Left In: -0.758+/-0.037 χ^2/NDF:7404.8/6

+ sign -1.280+/-0.032 χ^2/NDF: 11295.0/24

All: -1.309+/-0.023 χ^2/NDF: 27027.5/50

- sign -1.339+/-0.033 χ^2/NDF: 15730.9/25

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -7.050+/-0.051 χ^2/NDF:2740.8/8

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

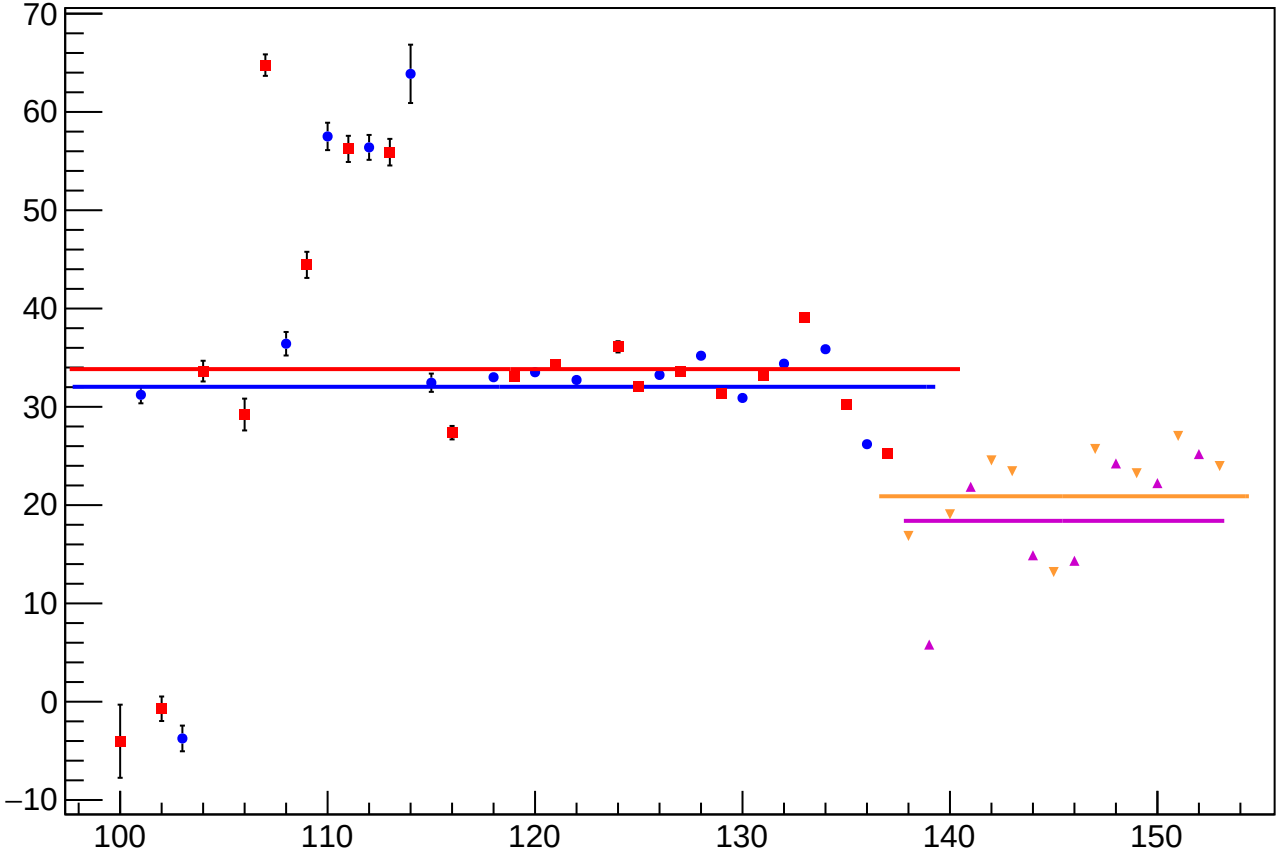
Left In: -7.989+/-0.052 χ^2/NDF:2432.6/6

+ sign -5.823+/-0.044 χ^2/NDF: 12998.9/24

All: -6.210+/-0.031 χ^2/NDF: 26347.5/50

- sign -6.611+/-0.044 χ^2/NDF: 13188.1/25

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 20.900+/-0.044 χ^2/NDF:12666.0/8

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

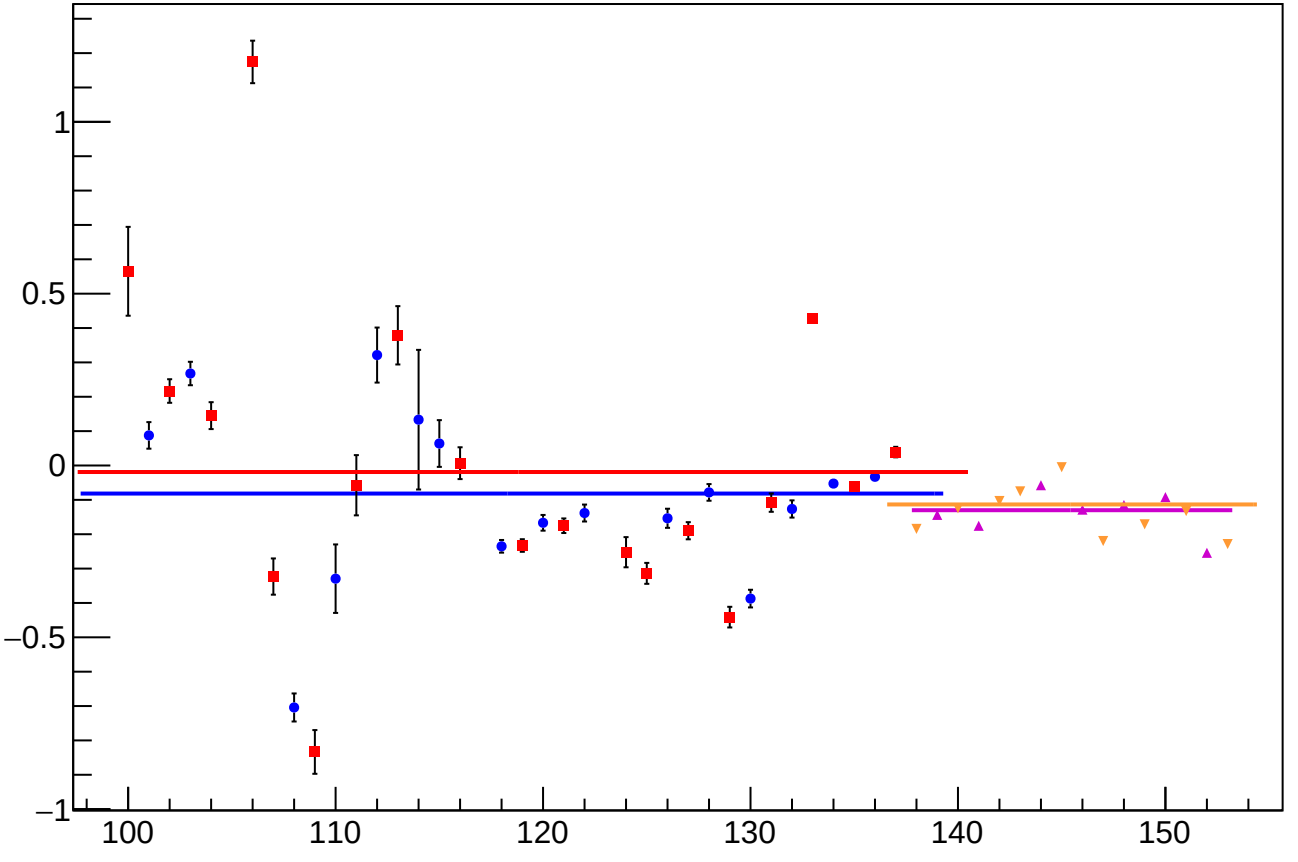
Left In: 18.400+/-0.045 χ^2/NDF:12110.9/6

+ sign 23.409+/-0.039 χ^2/NDF: 30466.0/24

All: 22.686+/-0.027 χ^2/NDF: 75091.3/50

- sign 21.943+/-0.039 χ^2/NDF: 43912.4/25

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.113+/-0.002 χ^2/NDF:1439.7/8

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

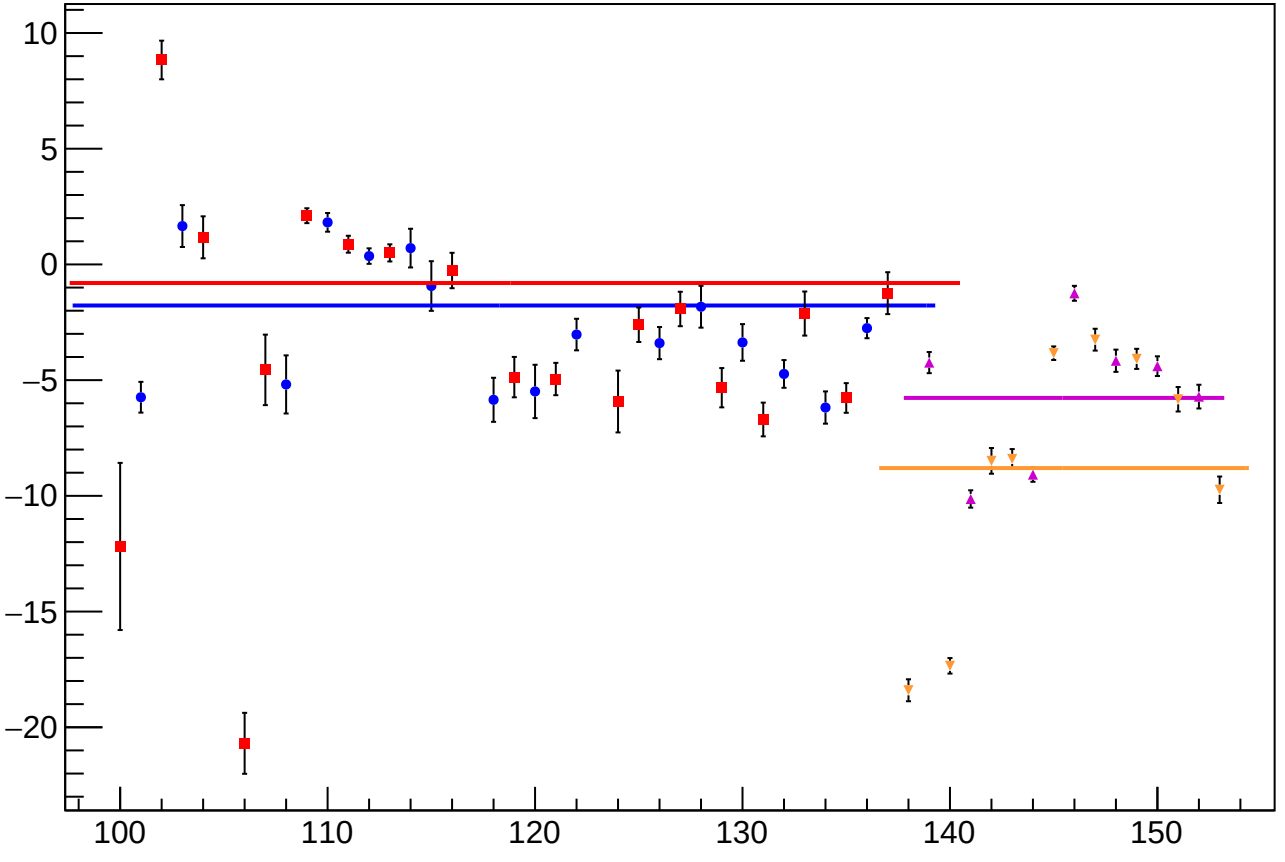
Left In: -0.130+/-0.002 χ^2/NDF:666.4/6

+ sign -0.108+/-0.002 χ^2/NDF: 2165.3/24

All: -0.111+/-0.001 χ^2/NDF: 5501.6/50

- sign -0.114+/-0.002 χ^2/NDF: 3331.8/25

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.800+/-0.141 χ^2/NDF:1636.5/8

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

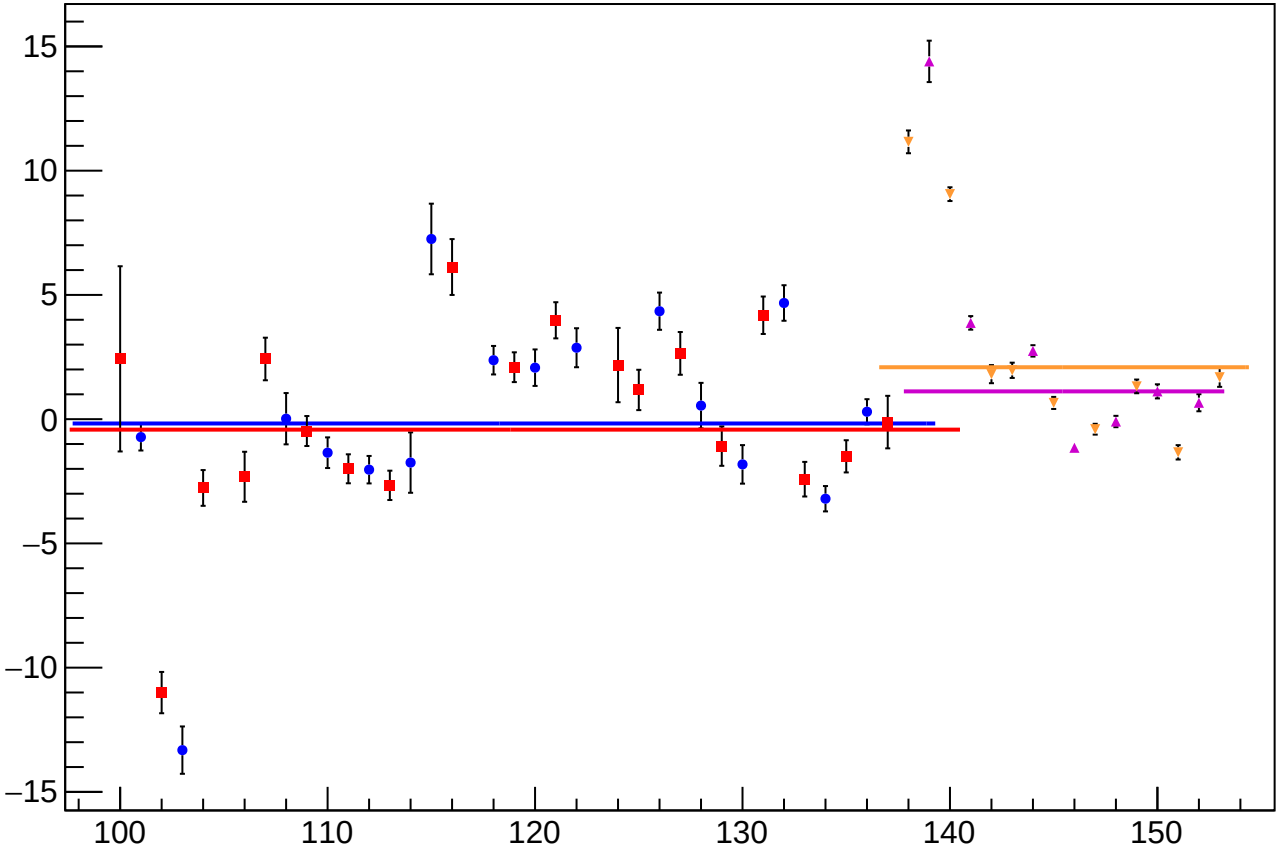
Left In: -5.768+/-0.148 χ^2/NDF:478.8/6

+ sign -5.660+/-0.105 χ^2/NDF: 3039.7/24

All: -4.472+/-0.074 χ^2/NDF: 5068.5/50

- sign -3.288+/-0.105 χ^2/NDF: 1773.3/25

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.089+/-0.097 χ^2/NDF:1340.2/8

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

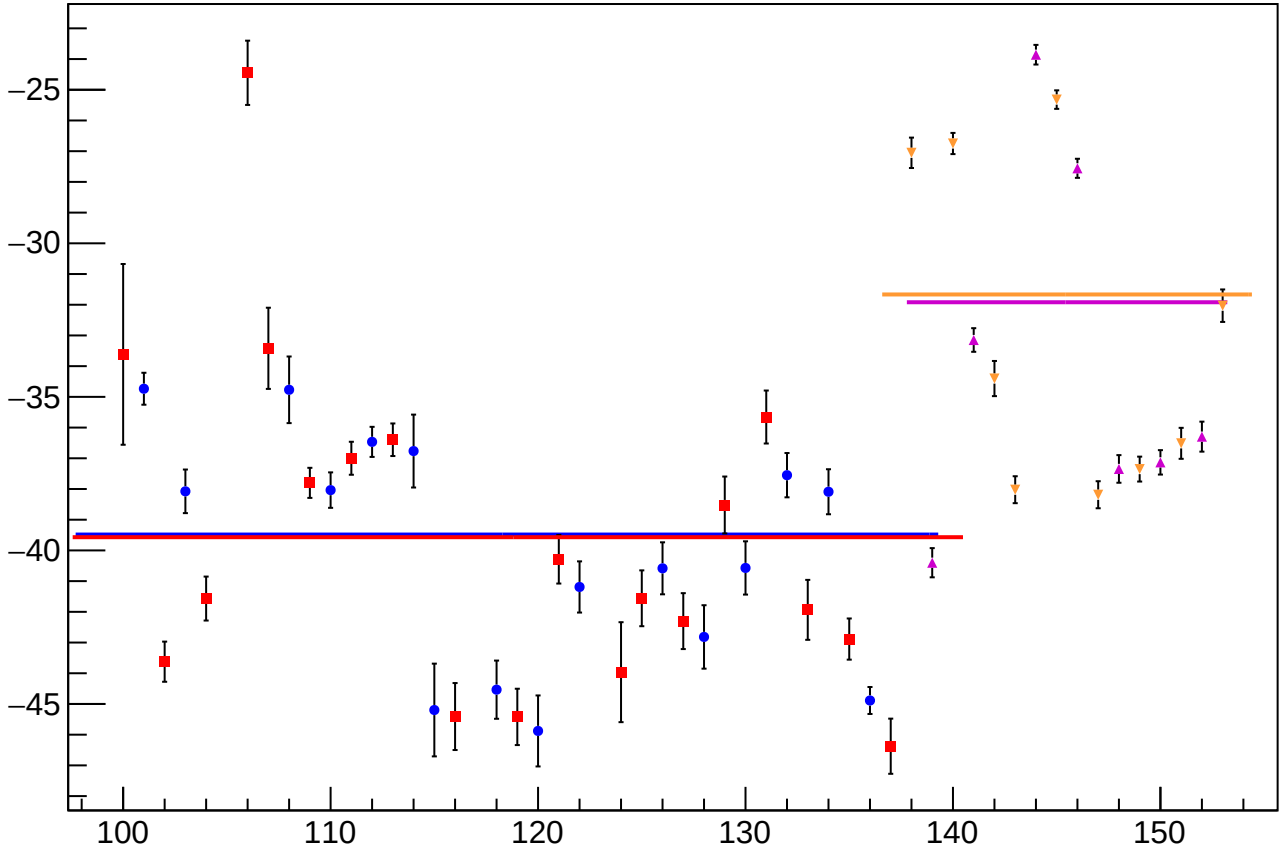
Left In: 1.118+/-0.100 χ^2/NDF:573.1/6

+ sign 1.546+/-0.085 χ^2/NDF: 1873.4/24

All: 1.157+/-0.061 χ^2/NDF: 2913.4/50

- sign 0.747+/-0.087 χ^2/NDF: 996.7/25

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -31.666+/-0.141 χ^2/NDF:1474.6/8

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

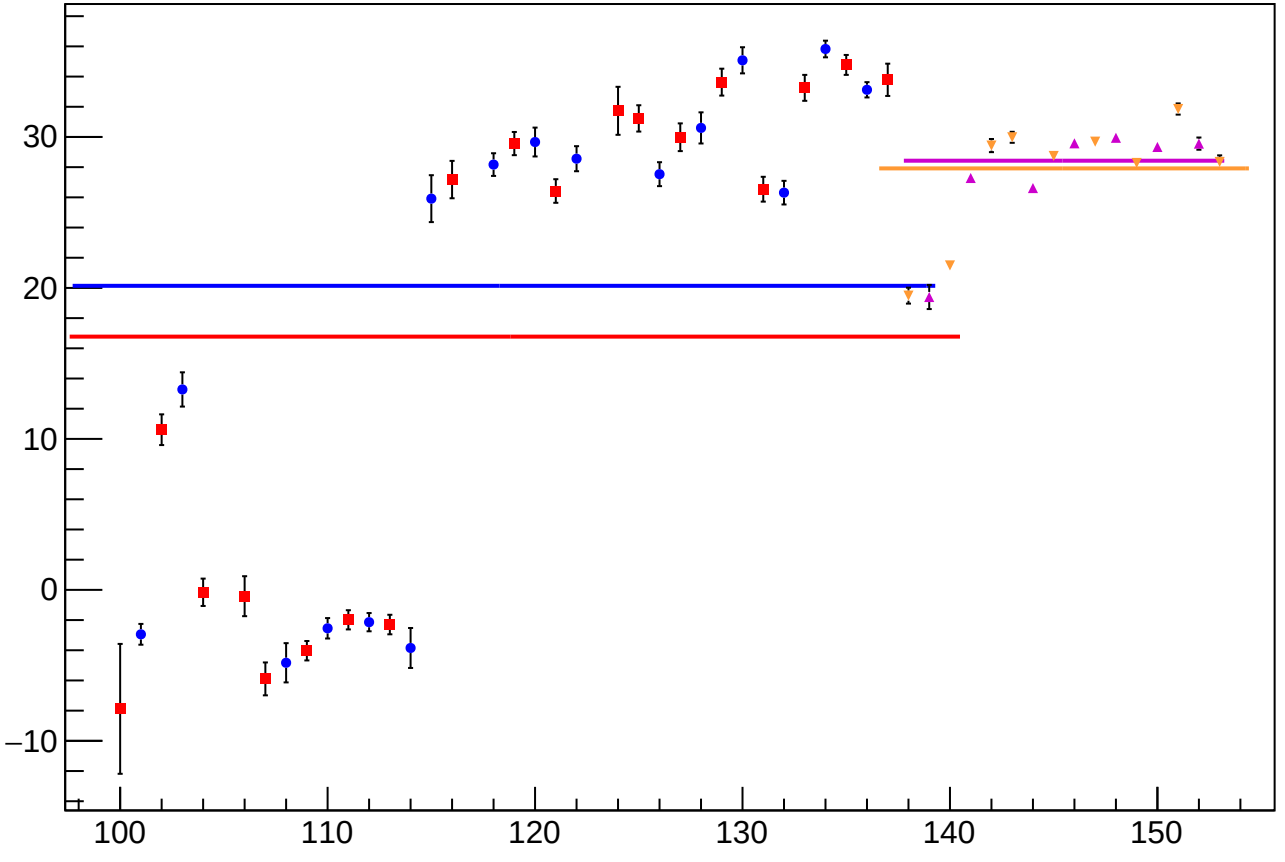
Left In: -31.919+/-0.146 χ^2/NDF:1558.5/6

+ sign -34.628+/-0.111 χ^2/NDF: 3052.8/24

All: -34.780+/-0.079 χ^2/NDF: 6250.0/50

- sign -34.941+/-0.114 χ^2/NDF: 3193.3/25

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.918+/-0.119 χ^2/NDF:829.7/8

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

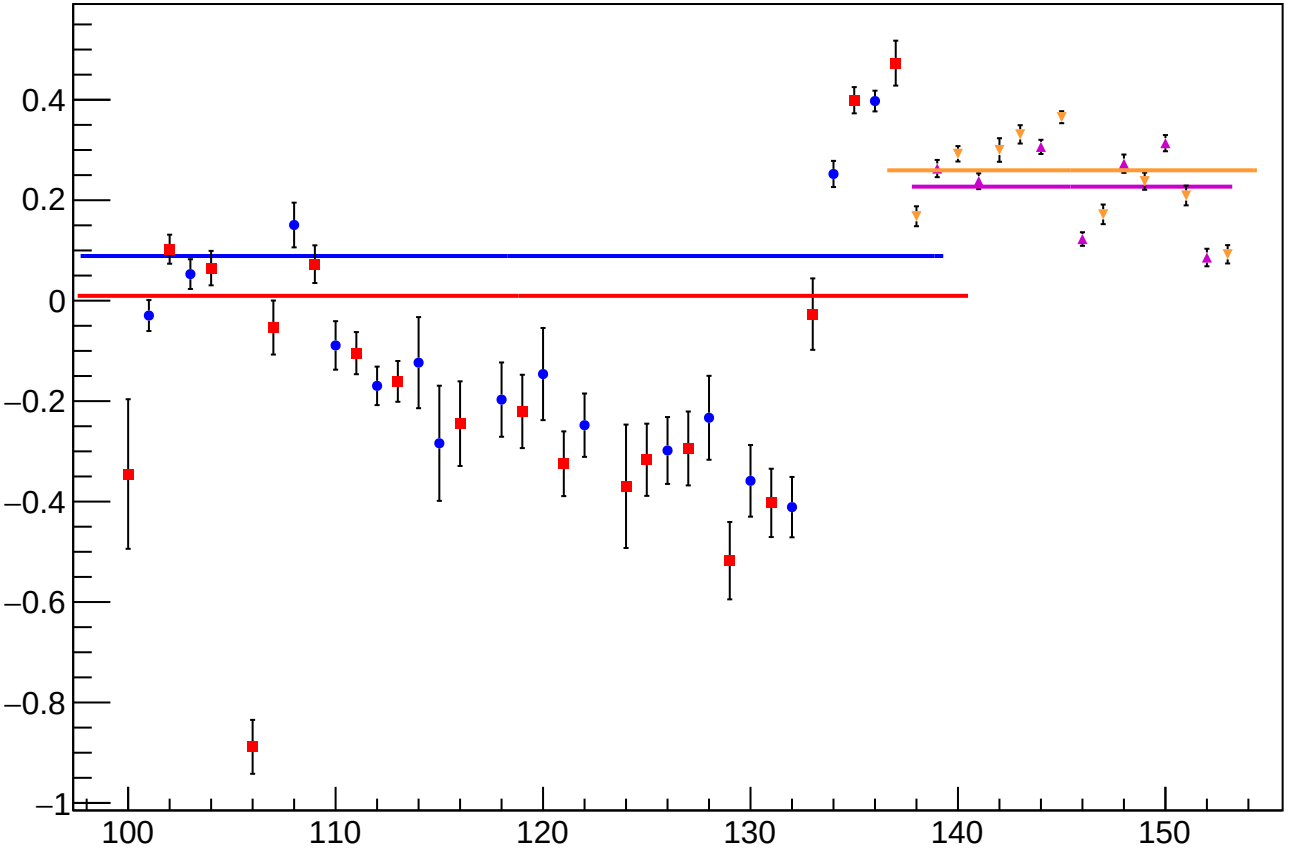
Left In: 28.428+/-0.122 χ^2/NDF:246.4/6

\+ sign 25.815+/-0.101 χ^2/NDF: 8678.6/24

All: 25.547+/-0.073 χ^2/NDF: 18158.4/50

\- sign 25.263+/-0.104 χ^2/NDF: 9465.3/25

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.260+/-0.006 χ^2/NDF:234.8/8

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

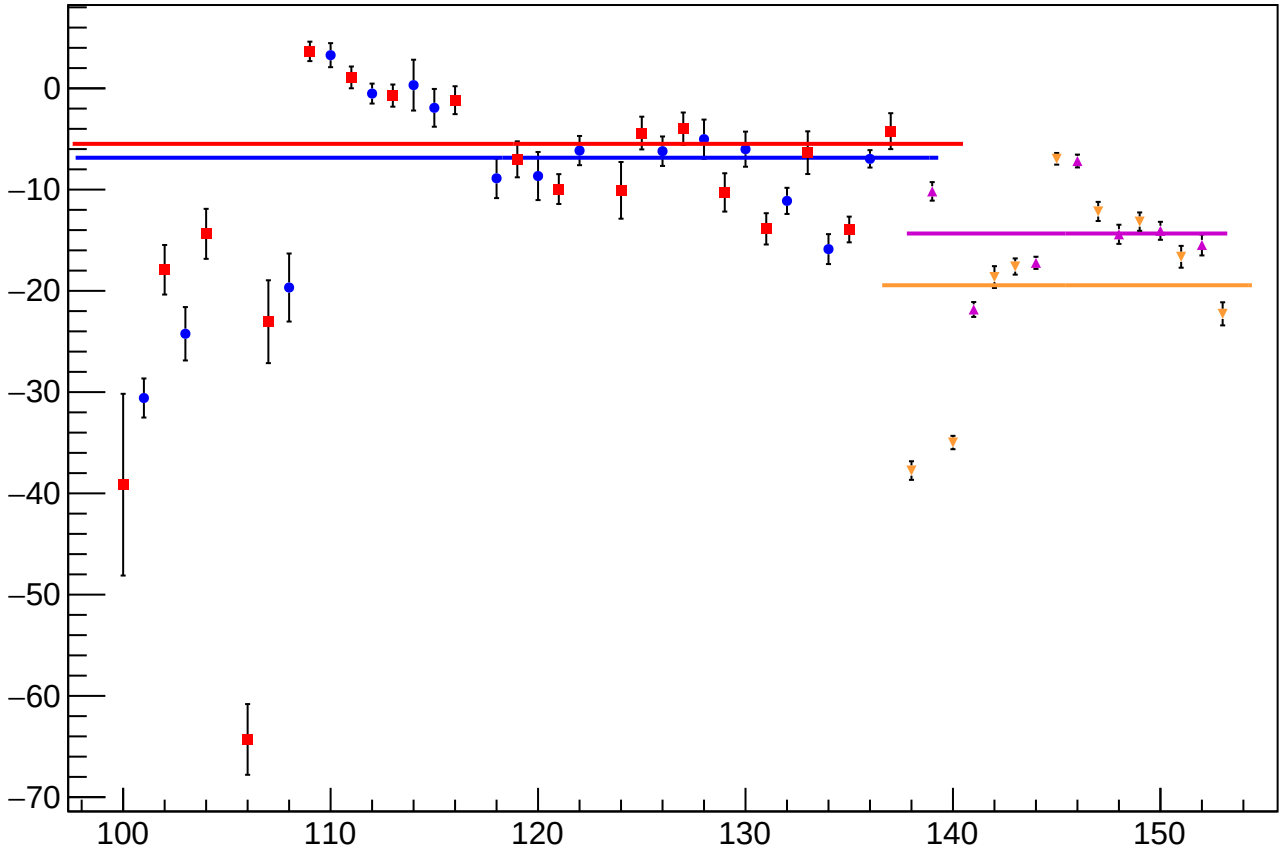
Left In: 0.227+/-0.006 χ^2/NDF:196.1/6

+ sign 0.220+/-0.005 χ^2/NDF: 1004.6/24

All: 0.200+/-0.004 χ^2/NDF: 2369.9/50

- sign 0.178+/-0.005 χ^2/NDF: 1331.8/25

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.446+/-0.279 χ^2/NDF:1545.2/8

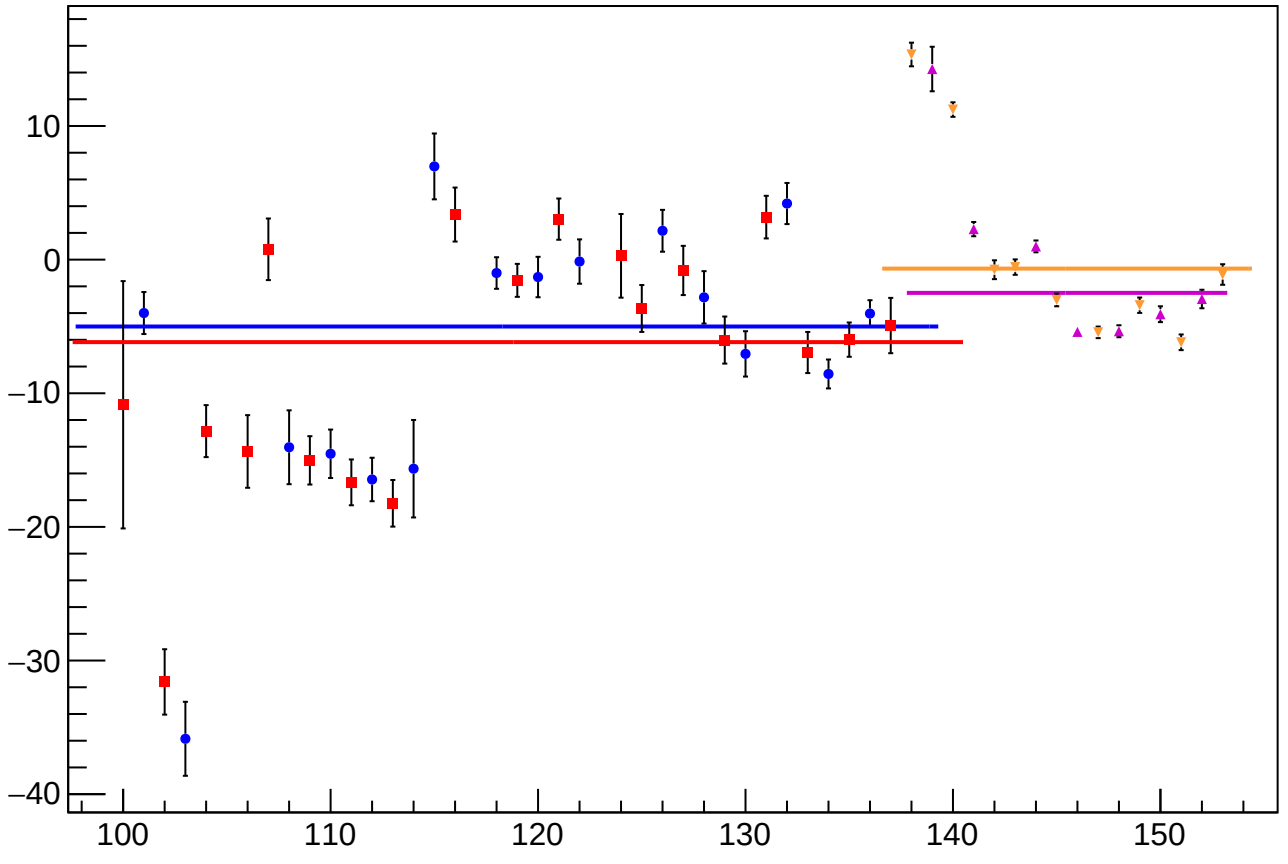
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.336+/-0.293 χ^2/NDF:276.6/6

+ sign -14.974+/-0.224 χ^2/NDF: 2660.3/24

All: -12.993+/-0.160 χ^2/NDF: 4057.0/50

- sign -10.907+/-0.230 χ^2/NDF: 1235.8/25



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.671+/-0.192 χ^2/NDF:1062.6/8

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

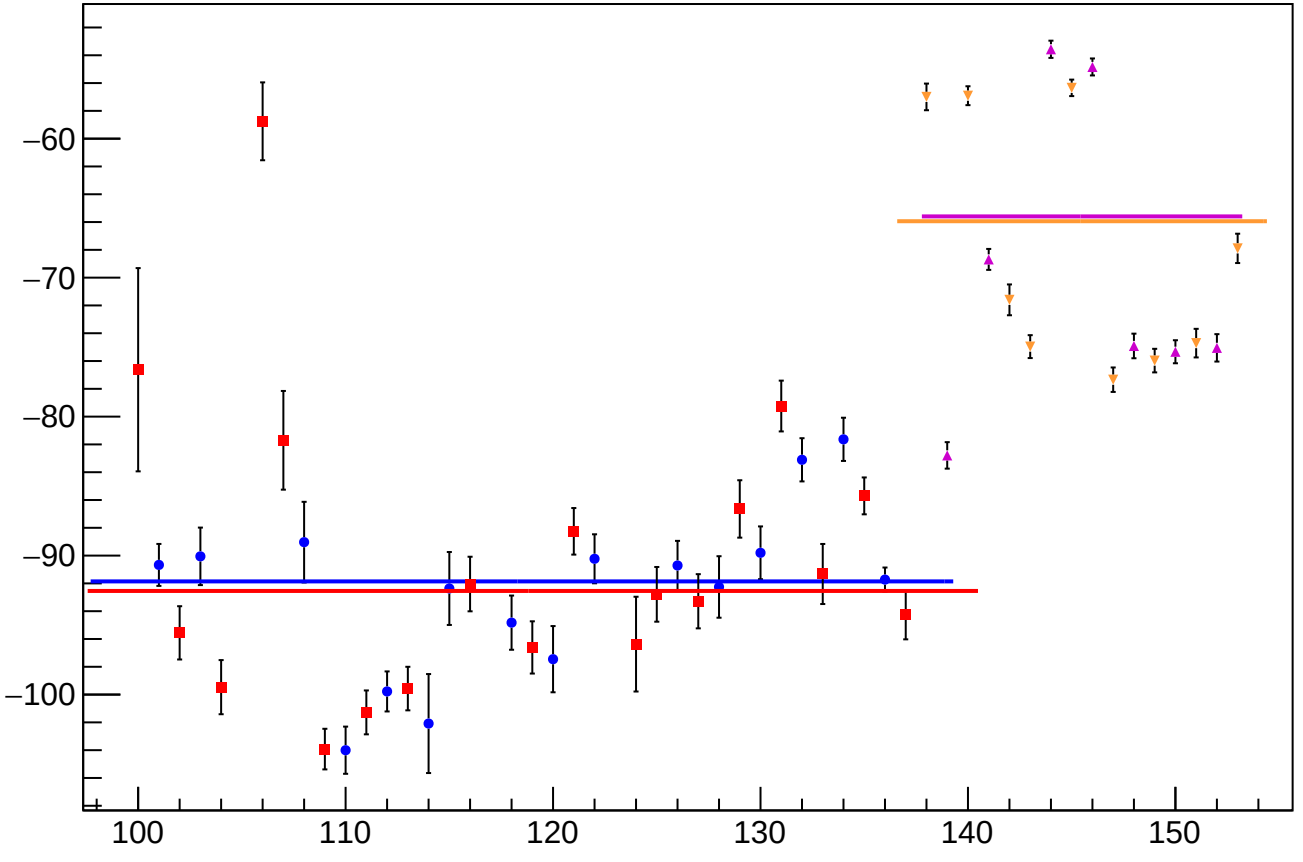
Left In: -2.488+/-0.196 χ^2/NDF:351.7/6

+ sign -1.501+/-0.173 χ^2/NDF: 1501.5/24

All: -2.308+/-0.124 χ^2/NDF: 2331.1/50

- sign -3.158+/-0.178 χ^2/NDF: 784.9/25

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -65.941+/-0.278 χ^2/NDF:1055.7/8

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

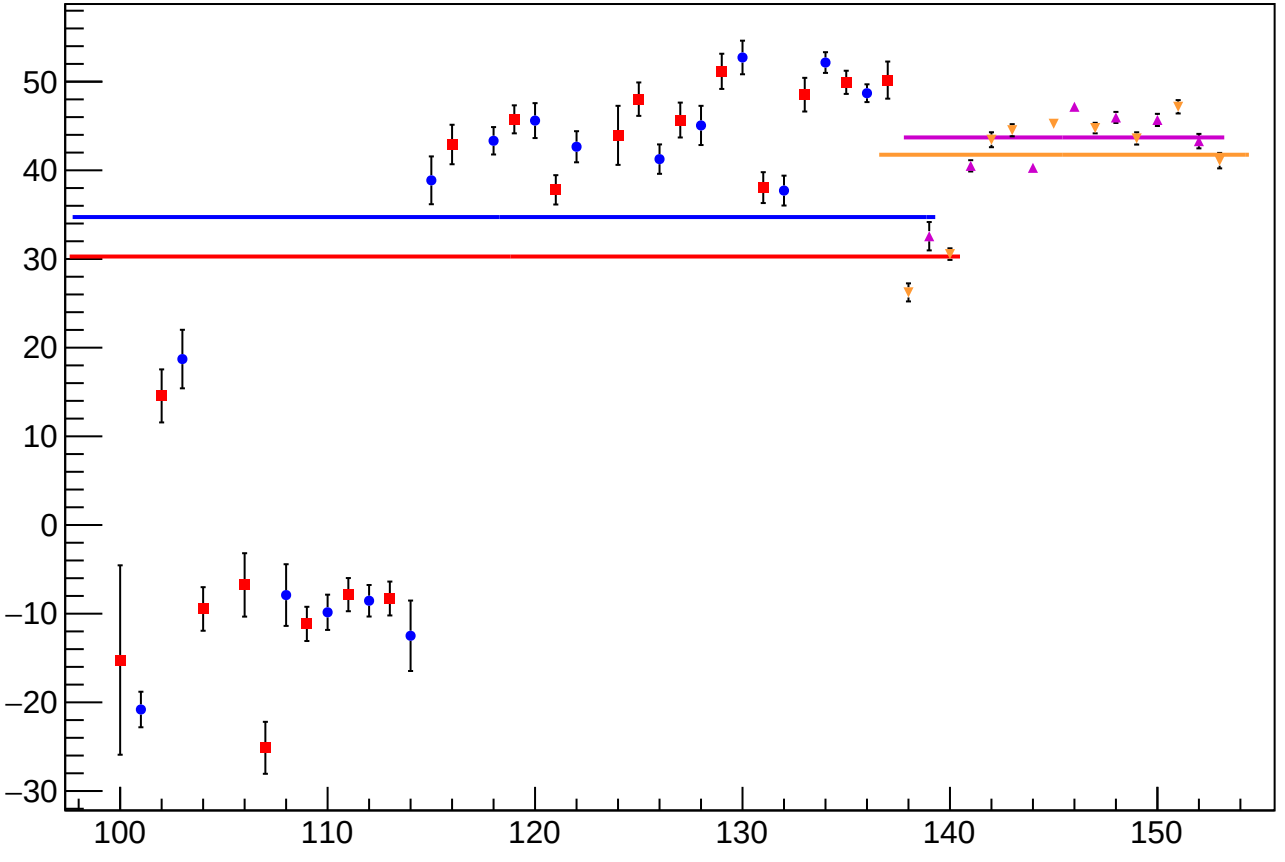
Left In: -65.593+/-0.290 χ^2/NDF:1370.4/6

+ sign -73.743+/-0.233 χ^2/NDF: 3843.6/24

All: -73.754+/-0.168 χ^2/NDF: 8224.7/50

- sign -73.766+/-0.242 χ^2/NDF: 4381.1/25

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.758+/-0.234 χ^2/NDF:670.5/8

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

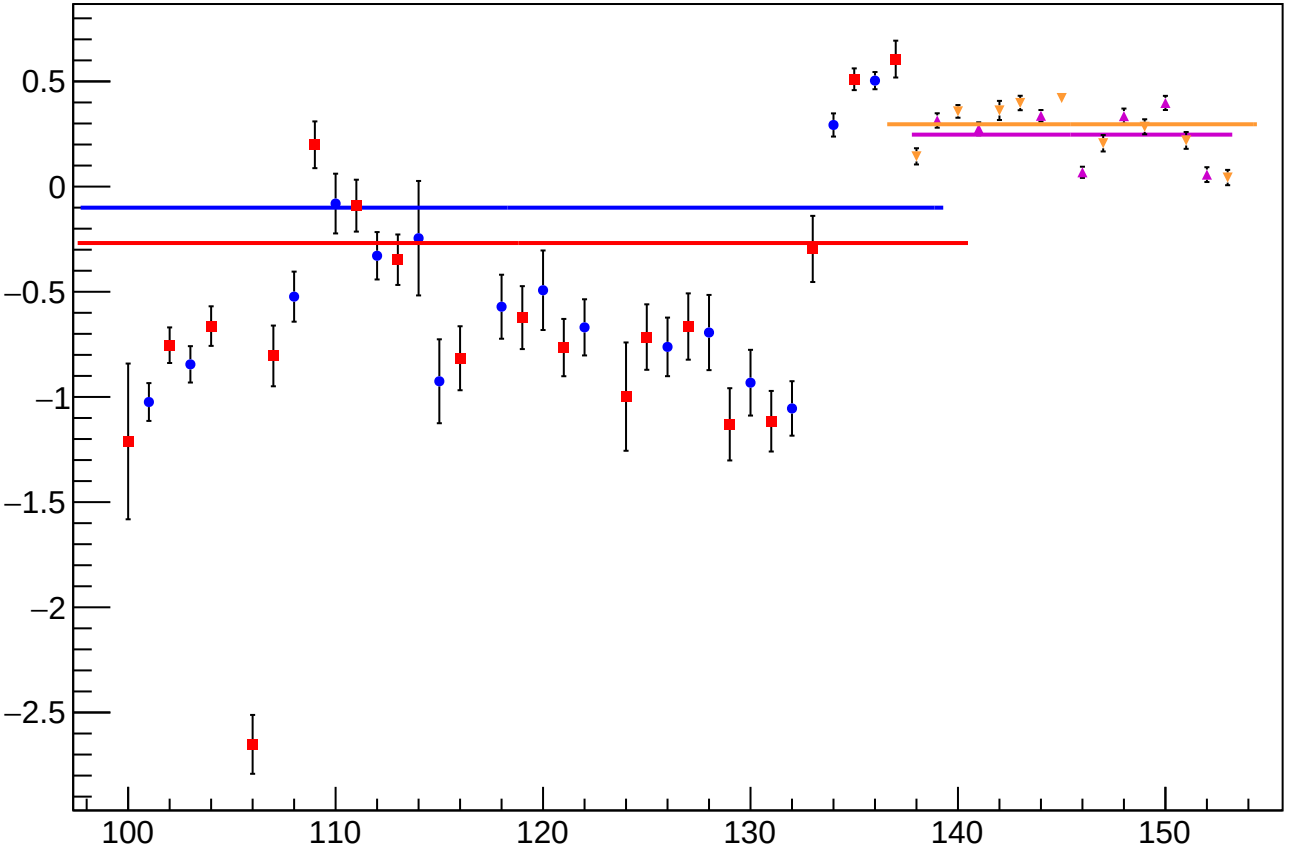
Left In: 43.709+/-0.241 χ^2/NDF:192.9/6

+ sign 40.214+/-0.207 χ^2/NDF: 3677.1/24

All: 40.542+/-0.149 χ^2/NDF: 7439.5/50

- sign 40.892+/-0.214 χ^2/NDF: 3757.3/25

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.296+/-0.011 χ^2/NDF:116.2/8

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

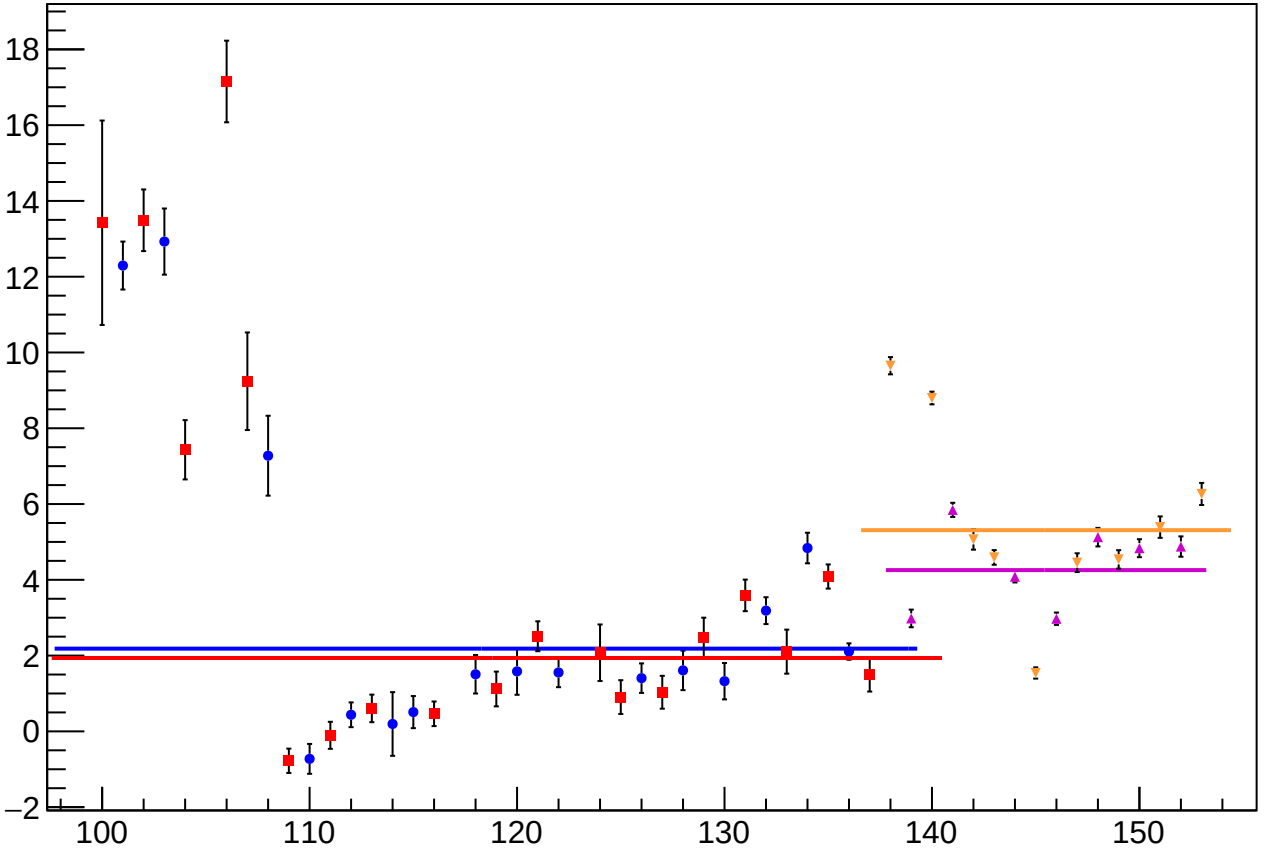
Left In: 0.247+/-0.012 χ^2/NDF:116.0/6

+ sign 0.224+/-0.010 χ^2/NDF: 970.3/24

All: 0.194+/-0.007 χ^2/NDF: 2245.1/50

- sign 0.160+/-0.011 χ^2/NDF: 1256.7/25

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.310+/-0.071 χ^2/NDF:1486.7/8

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

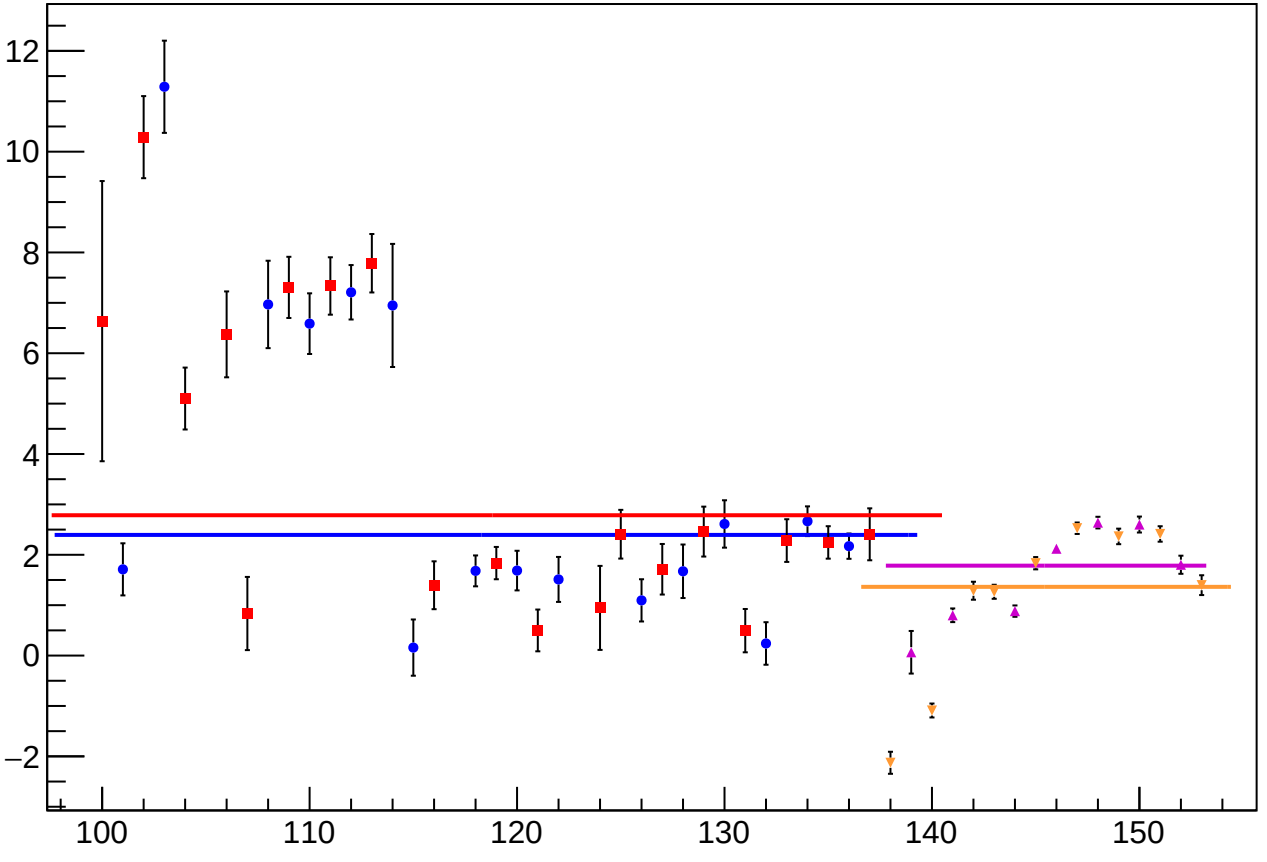
Left In: 4.256+/-0.075 χ^2/NDF:189.5/6

+ sign 4.327+/-0.059 χ^2/NDF: 2693.9/24

All: 3.917+/-0.042 χ^2/NDF: 4021.8/50

- sign 3.471+/-0.061 χ^2/NDF: 1226.7/25

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.364+/-0.049 χ^2/NDF:779.2/8

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

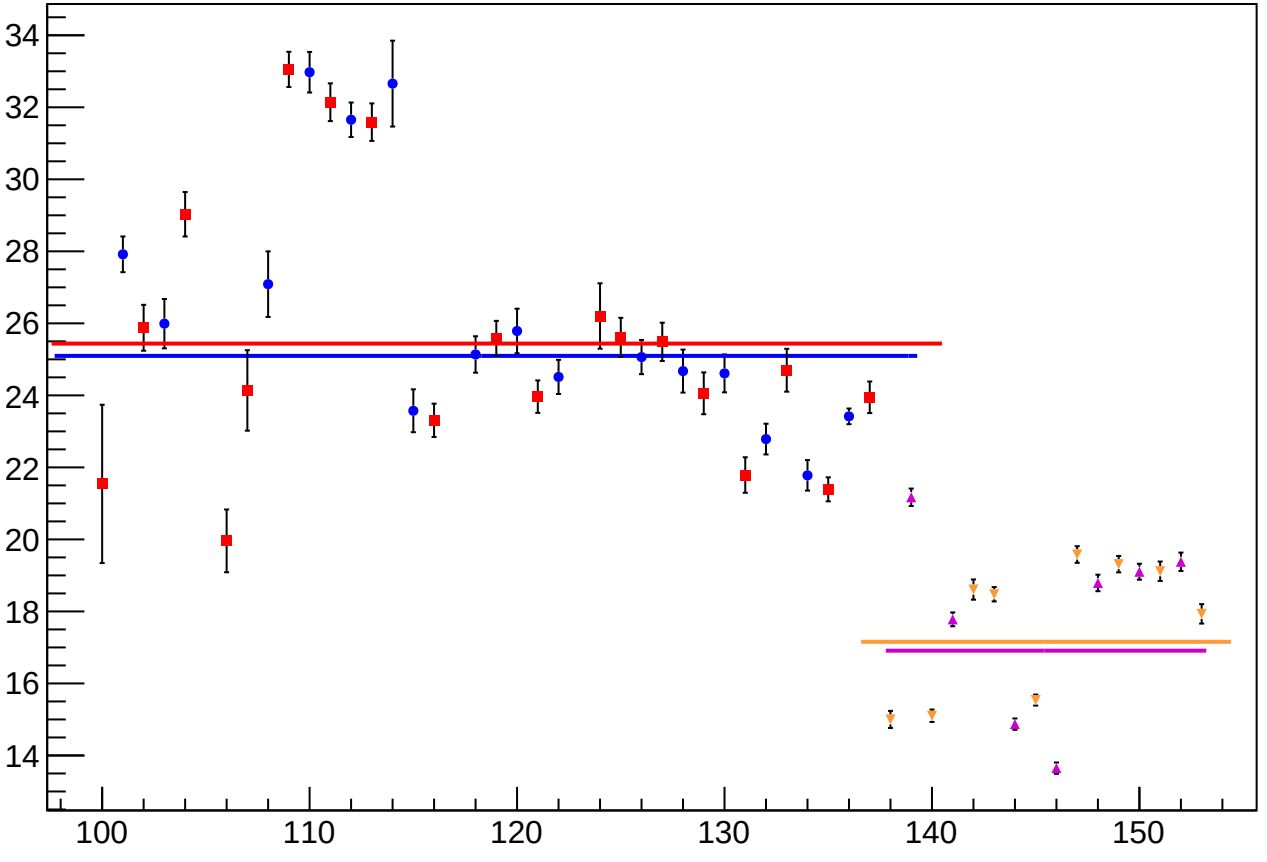
Left In: 1.784+/-0.050 χ^2/NDF:227.1/6

+ sign 1.541+/-0.045 χ^2/NDF: 1188.0/24

All: 1.736+/-0.032 χ^2/NDF: 1927.8/50

- sign 1.943+/-0.046 χ^2/NDF: 700.7/25

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 17.156+/-0.071 χ^2/NDF:667.8/8

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

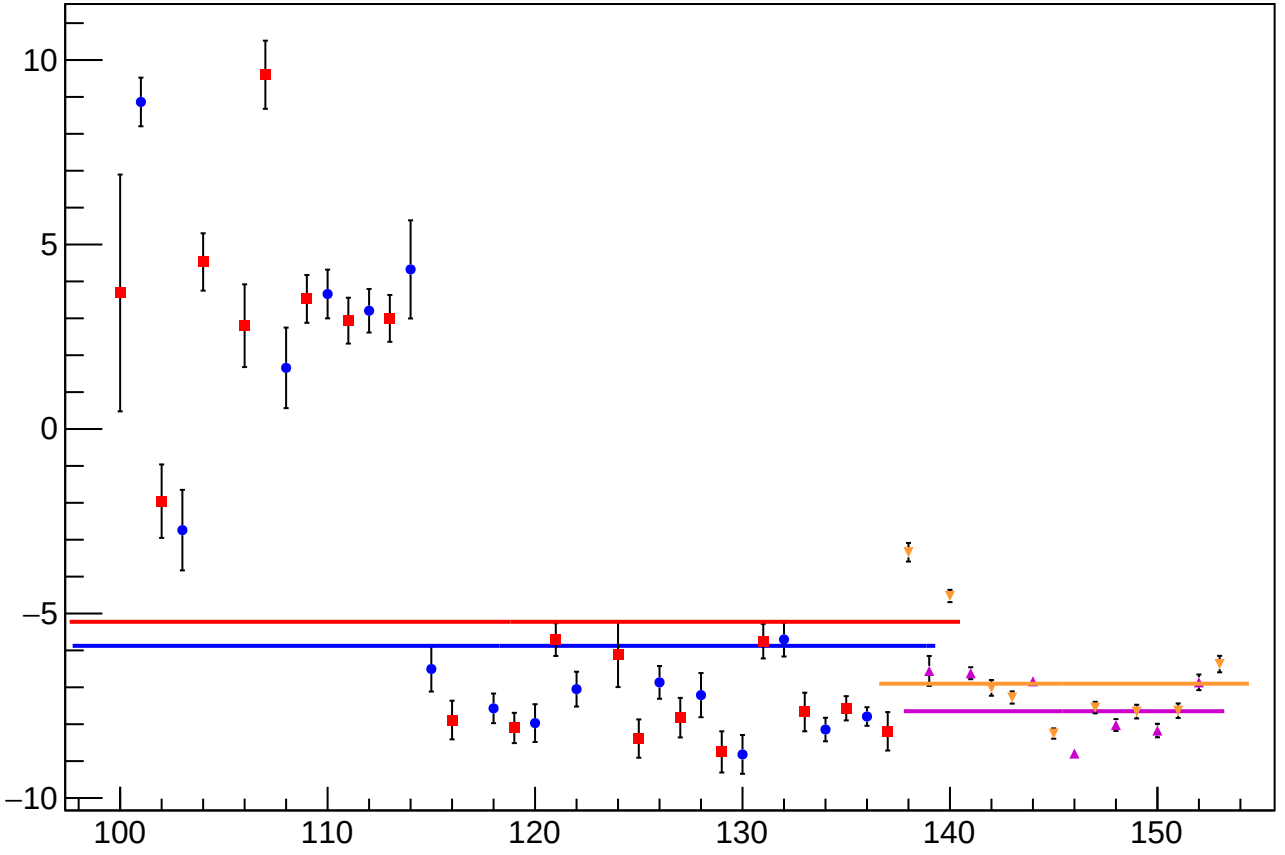
Left In: 16.911+/-0.075 χ^2/NDF:1187.1/6

+ sign 19.286+/-0.061 χ^2/NDF: 4630.2/24

All: 19.233+/-0.044 χ^2/NDF: 10168.8/50

- sign 19.175+/-0.064 χ^2/NDF: 5537.0/25

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.902+/-0.060 χ^2/NDF:555.7/8

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

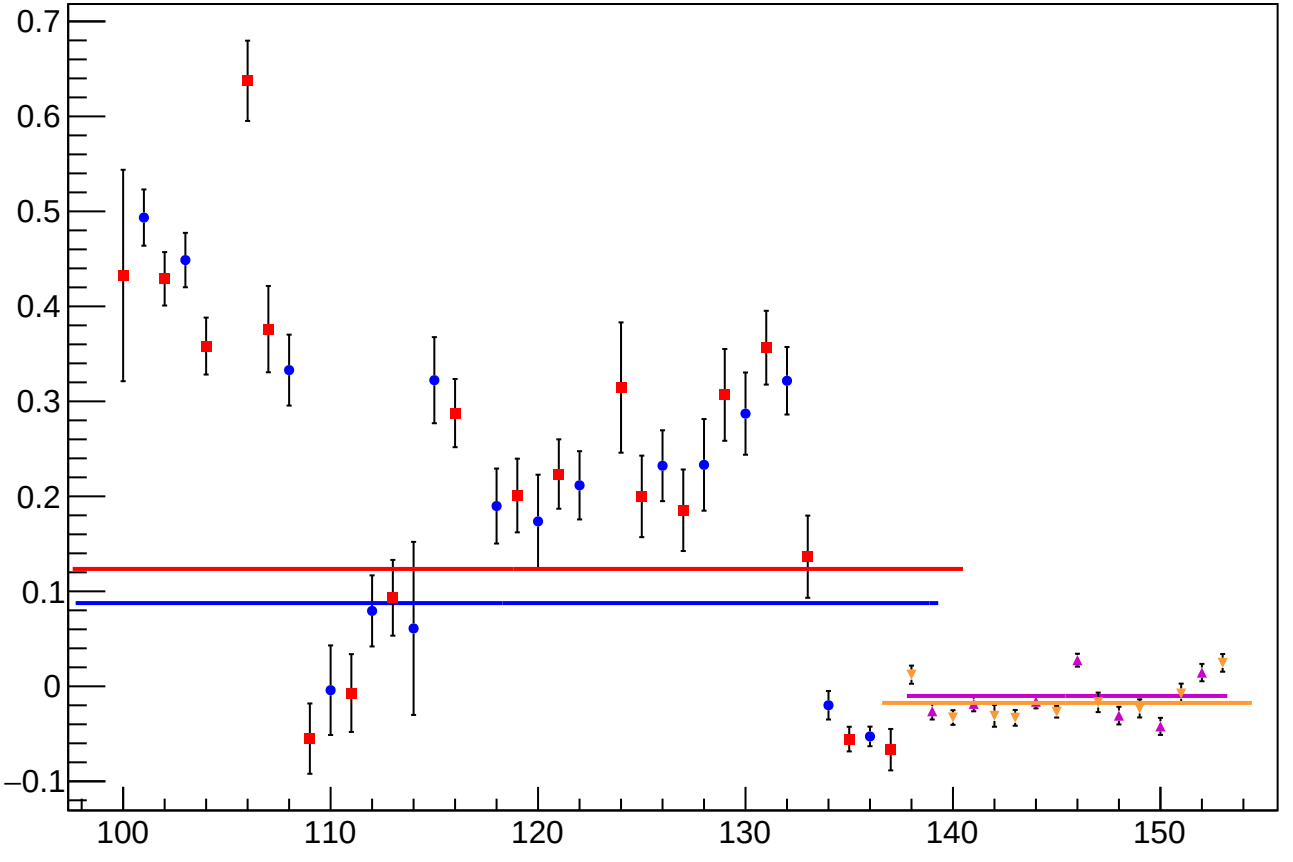
Left In: -7.647+/-0.062 χ^2/NDF:204.1/6

+ sign -6.698+/-0.054 χ^2/NDF: 1864.9/24

All: -6.939+/-0.039 χ^2/NDF: 3687.8/50

- sign -7.198+/-0.056 χ^2/NDF: 1781.3/25

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.017+/-0.003 χ^2/NDF:42.8/8

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

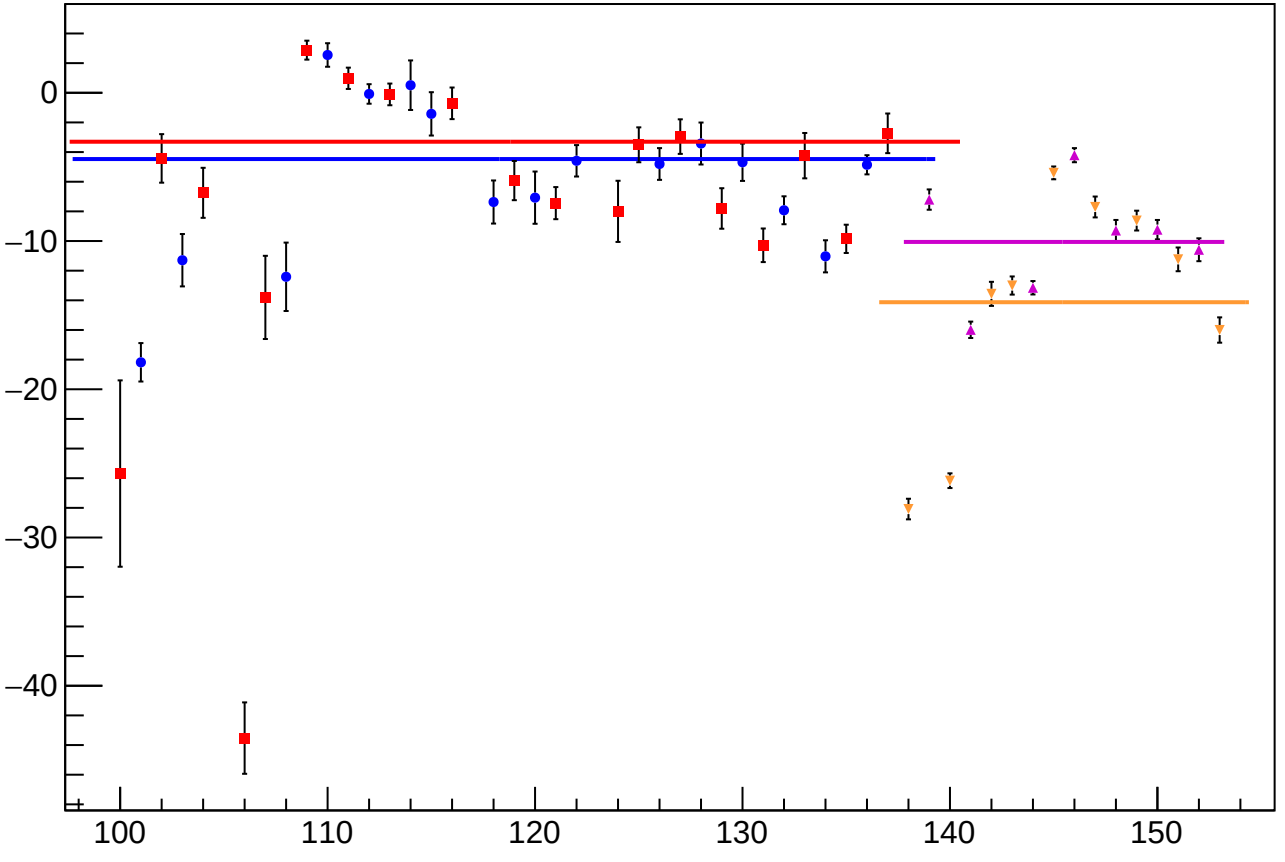
Left In: -0.010+/-0.003 χ^2/NDF:60.9/6

+ sign -0.000+/-0.003 χ^2/NDF: 1023.5/24

All: 0.004+/-0.002 χ^2/NDF: 2137.0/50

- sign 0.010+/-0.003 χ^2/NDF: 1106.9/25

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.128+/-0.209 χ^2/NDF:1571.1/8

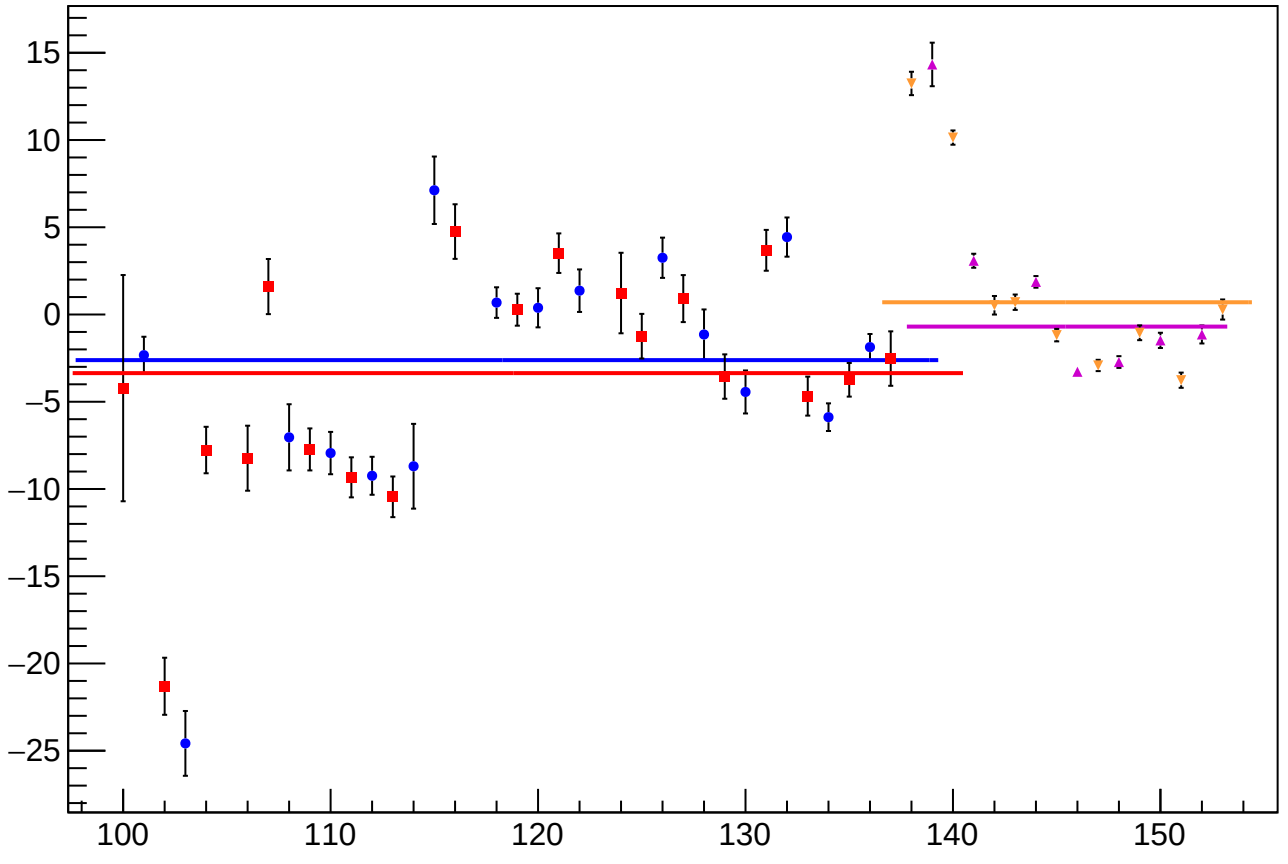
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.061+/-0.220 χ^2/NDF:333.2/6

\+ sign -10.479+/-0.165 χ^2/NDF: 2708.1/24

All: -8.896+/-0.118 χ^2/NDF: 4206.0/50

\- sign -7.254+/-0.168 χ^2/NDF: 1310.4/25



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.702+/-0.144 χ^2/NDF:1158.0/8

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

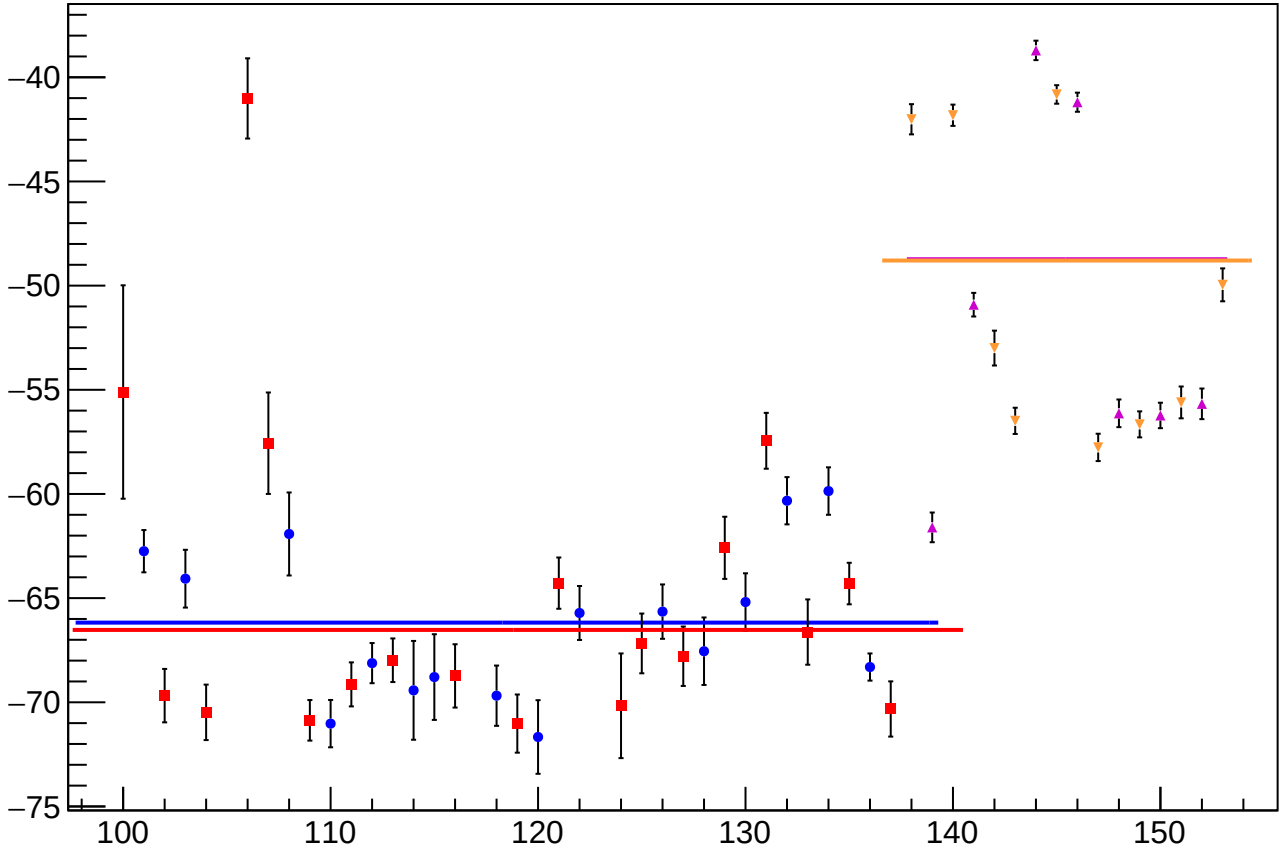
Left In: -0.693+/-0.147 χ^2/NDF:415.8/6

+ sign 0.028+/-0.129 χ^2/NDF: 1617.3/24

All: -0.577+/-0.092 χ^2/NDF: 2502.2/50

- sign -1.215+/-0.132 χ^2/NDF: 839.5/25

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -48.794+/-0.209 χ^2/NDF:1197.2/8

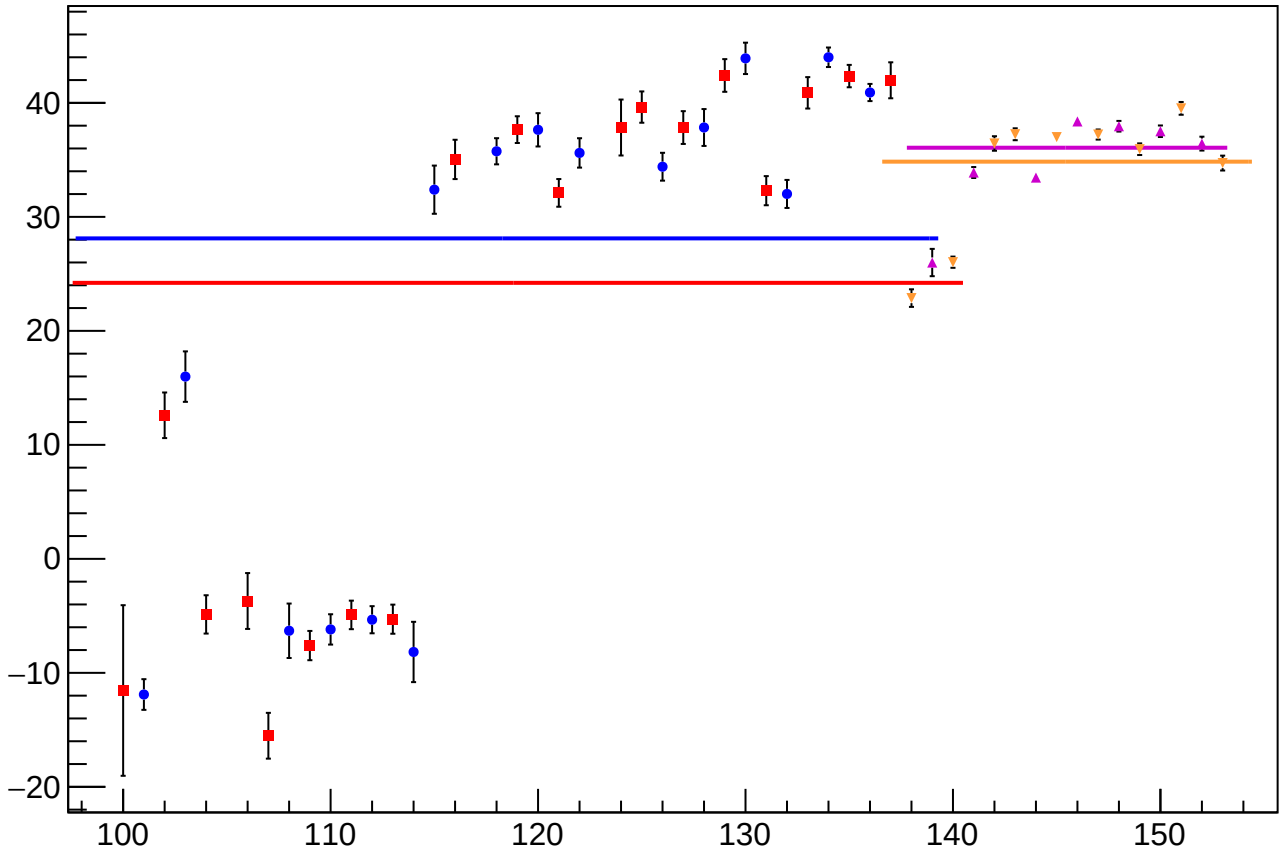
Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -48.733+/-0.217 χ^2/NDF:1435.5/6

+ sign -54.356+/-0.172 χ^2/NDF: 3544.8/24

All: -54.437+/-0.124 χ^2/NDF: 7489.5/50

- sign -54.525+/-0.178 χ^2/NDF: 3944.3/25



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.844+/-0.176 χ^2/NDF:719.4/8

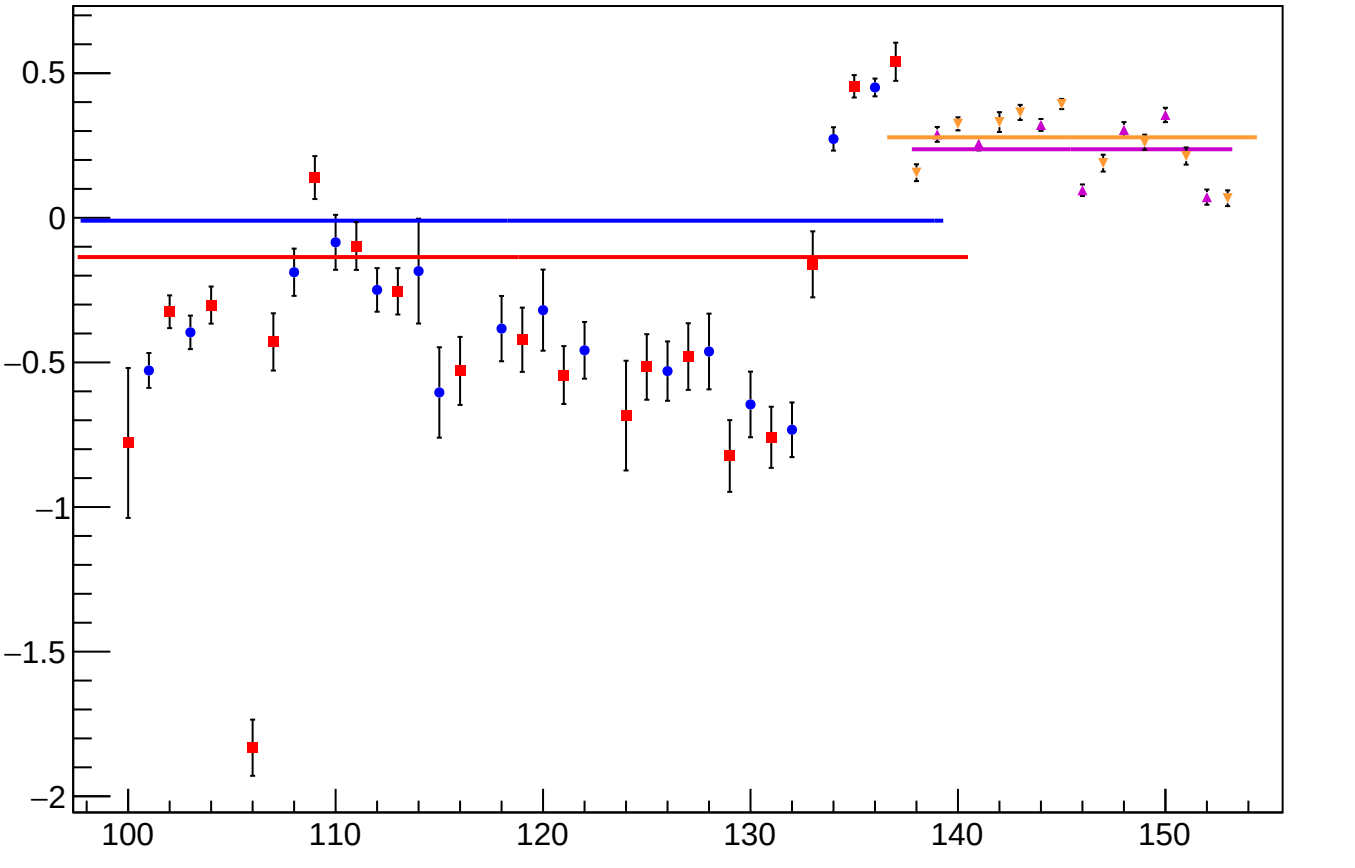
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 36.065+/-0.181 χ^2/NDF:203.0/6

+ sign 33.283+/-0.154 χ^2/NDF: 4787.1/24

All: 33.342+/-0.111 χ^2/NDF: 9799.7/50

- sign 33.406+/-0.159 χ^2/NDF: 5012.3/25



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.278+/-0.009 χ^2/NDF:152.0/8

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

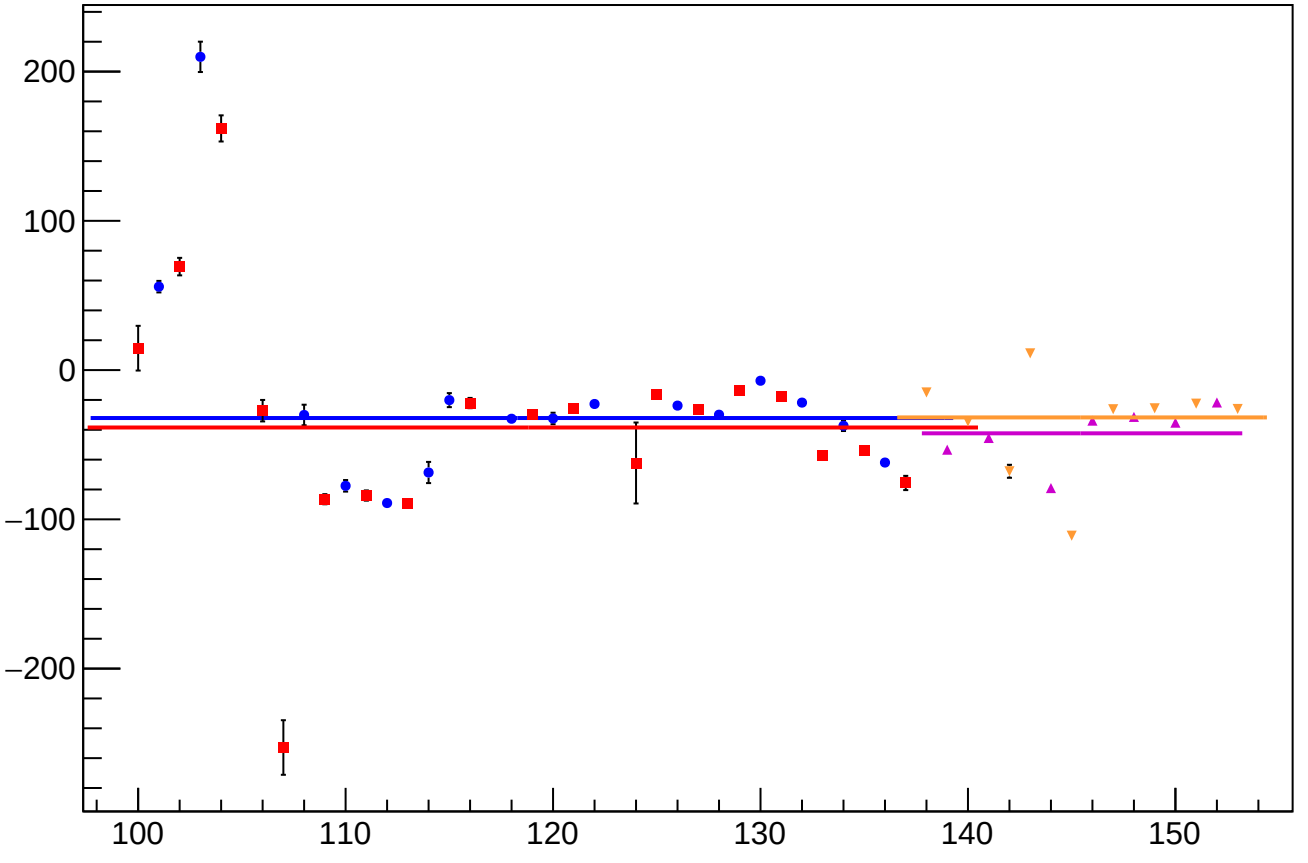
Left In: 0.237+/-0.009 χ^2/NDF:140.6/6

+ sign 0.222+/-0.008 χ^2/NDF: 962.2/24

All: 0.197+/-0.006 χ^2/NDF: 2264.7/50

- sign 0.169+/-0.008 χ^2/NDF: 1279.8/25

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -31.713+/-0.976 χ^2/NDF:917.7/8

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

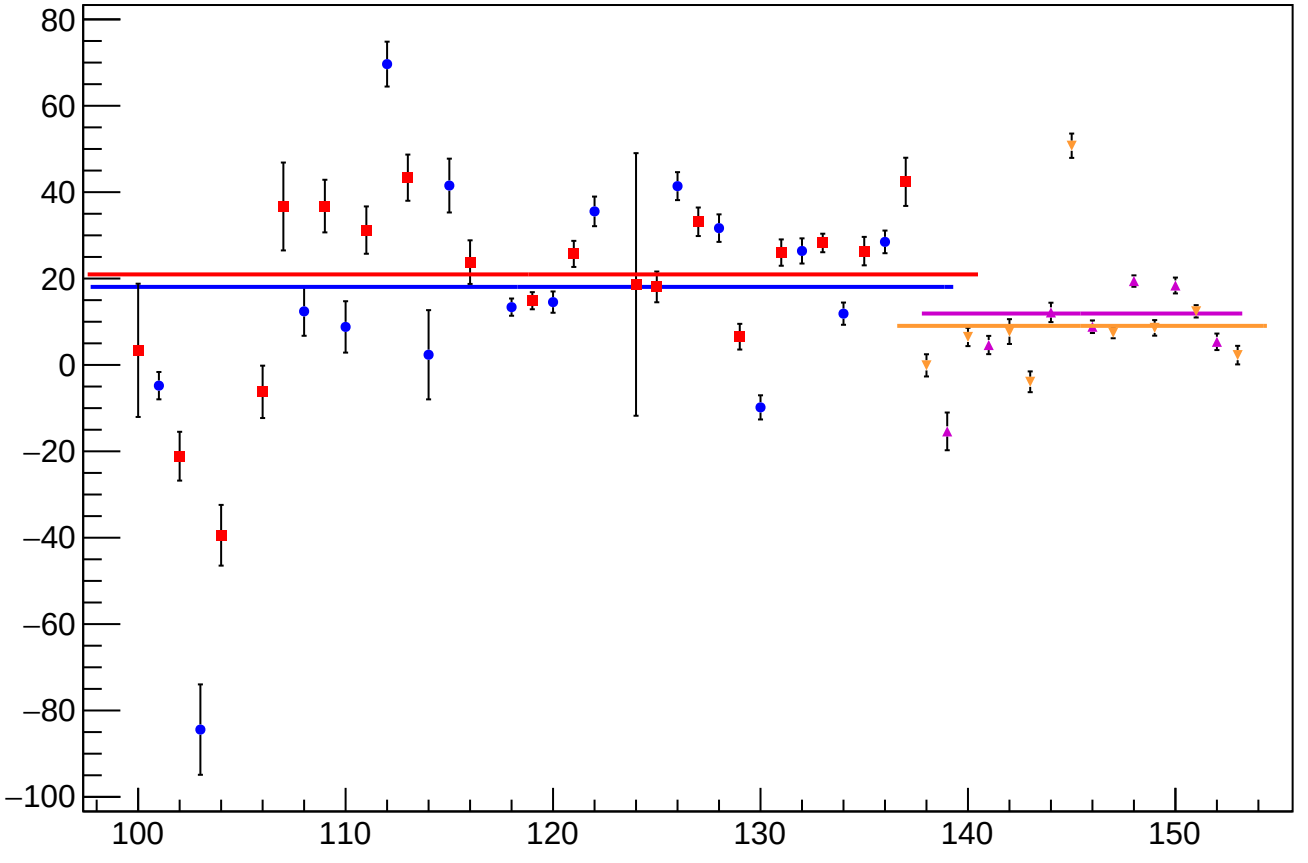
Left In: -42.366+/-1.035 χ^2/NDF:253.6/6

+ sign -31.944+/-0.638 χ^2/NDF: 2795.3/24

All: -35.846+/-0.460 χ^2/NDF: 5107.7/50

- sign -40.067+/-0.663 χ^2/NDF: 2234.5/25

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 9.046+/-0.645 χ^2/NDF:279.7/8

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

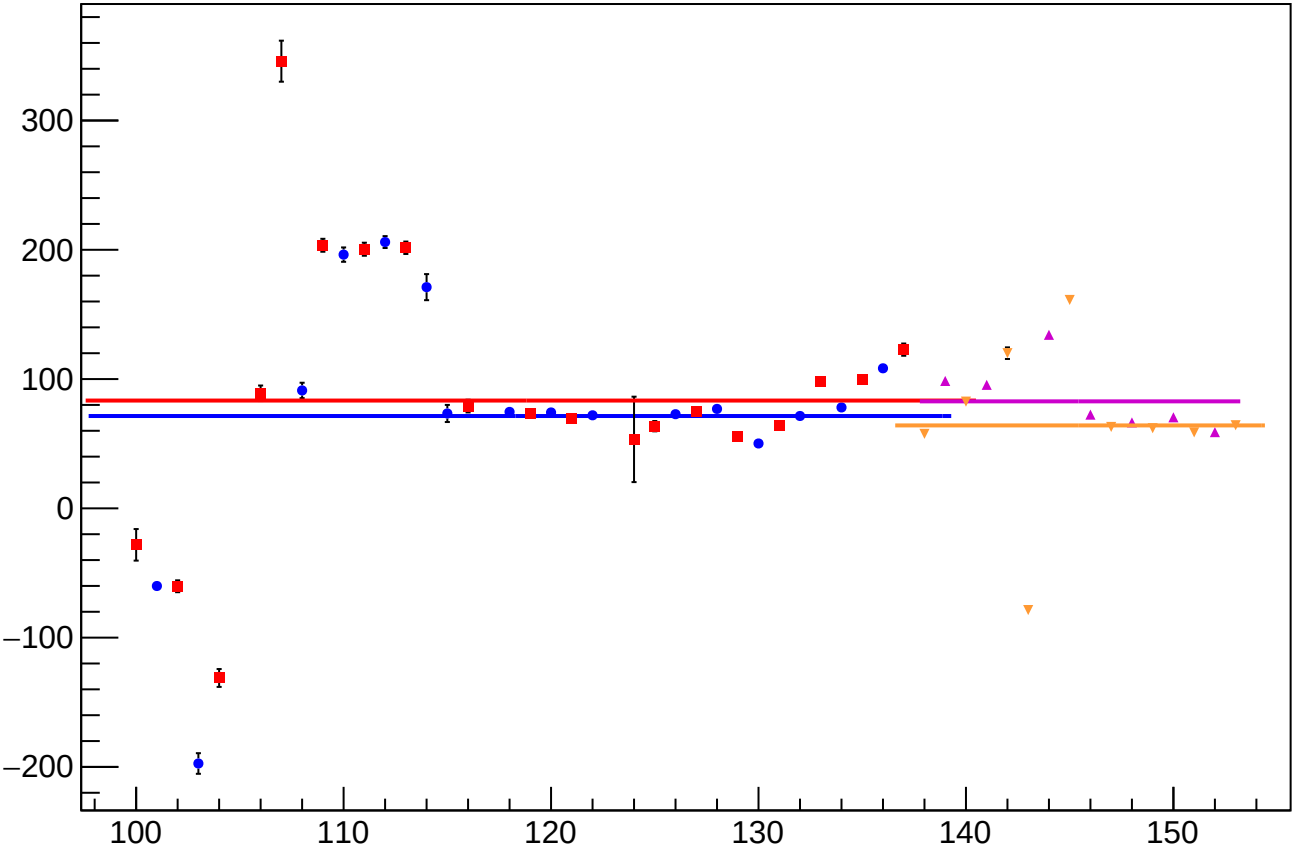
Left In: 11.902+/-0.691 χ^2/NDF:112.0/6

+ sign 12.478+/-0.507 χ^2/NDF: 853.7/24

All: 13.853+/-0.370 χ^2/NDF: 1310.7/50

- sign 15.416+/-0.541 χ^2/NDF: 441.2/25

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 64.151+/-0.960 χ^2/NDF:2876.0/8

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

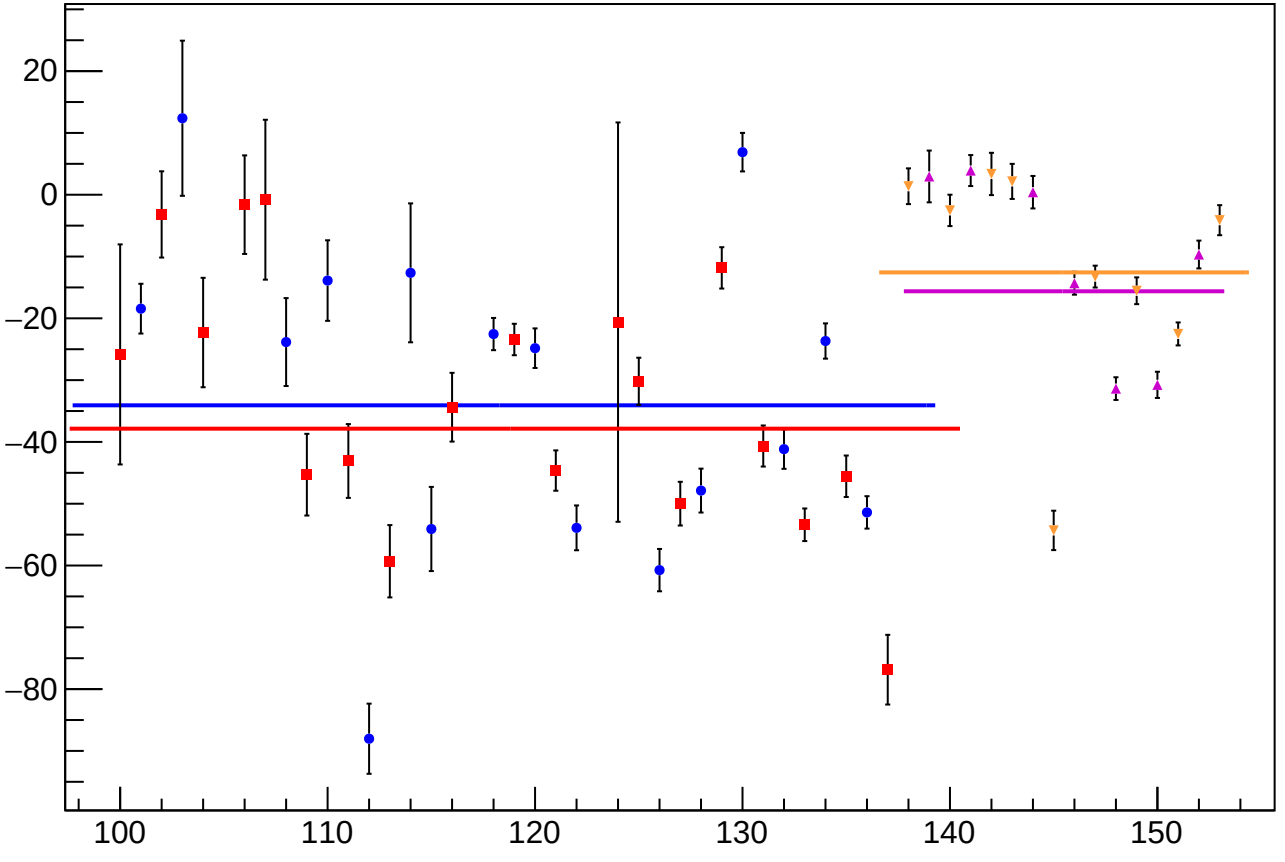
Left In: 82.761+/-1.014 χ^2/NDF:485.3/6

+ sign 67.897+/-0.668 χ^2/NDF: 7725.1/24

All: 75.067+/-0.486 χ^2/NDF: 12751.6/50

- sign 83.082+/-0.707 χ^2/NDF: 4782.8/25

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -12.567+/-0.797 χ^2/NDF:301.8/8

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

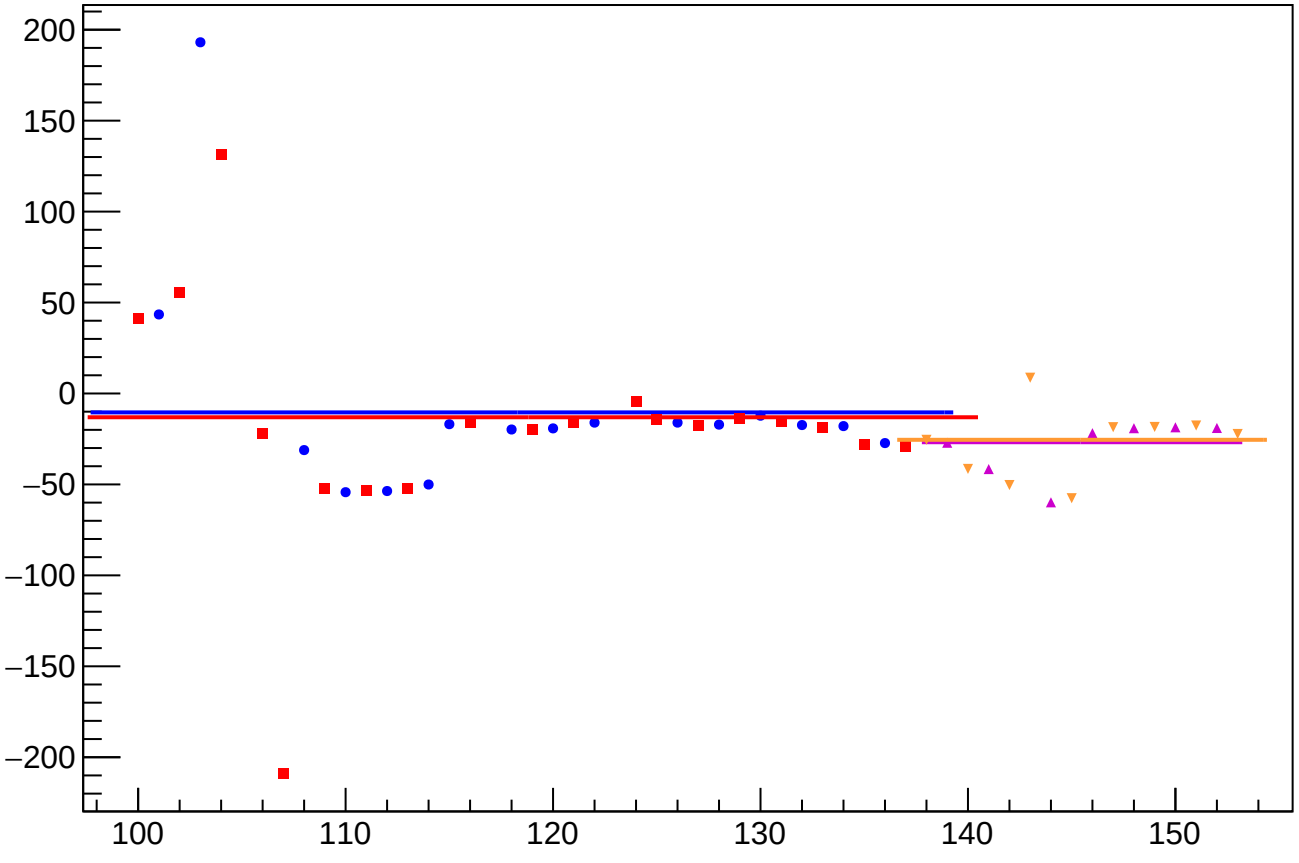
Left In: -15.624+/-0.855 χ^2/NDF:249.6/6

+ sign -21.539+/-0.609 χ^2/NDF: 1116.8/24

All: -23.198+/-0.444 χ^2/NDF: 1944.5/50

- sign -25.080+/-0.648 χ^2/NDF: 811.8/25

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -25.470+/-0.039 χ^2/NDF:173495.9/8

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

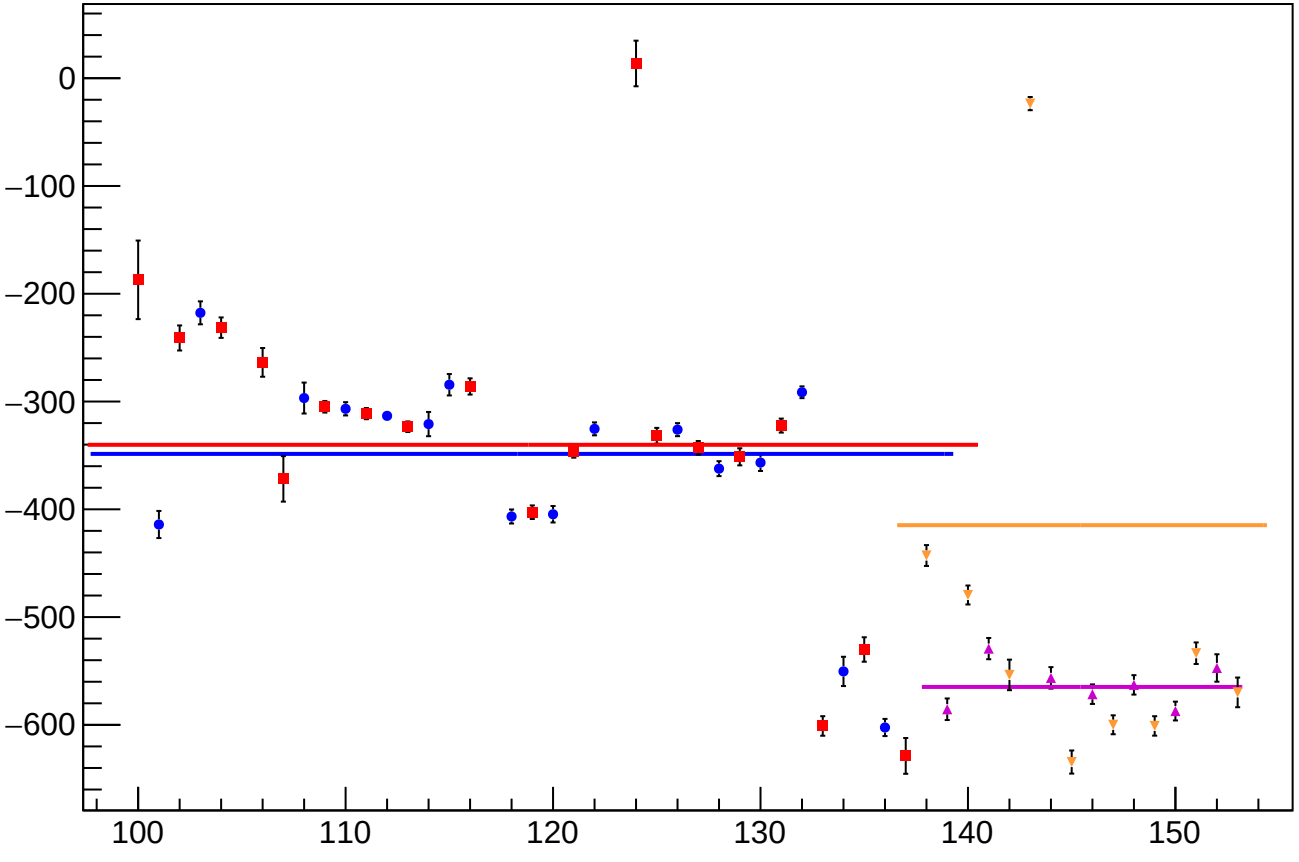
Left In: -26.796+/-0.040 χ^2/NDF:90929.3/6

+ sign -20.684+/-0.032 χ^2/NDF: 743835.1/24

All: -21.685+/-0.023 χ^2/NDF: 1320474.1/50

- sign -22.799+/-0.034 χ^2/NDF: 574574.1/25

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -414.724+/-3.093 χ^2/NDF:5801.4/8

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

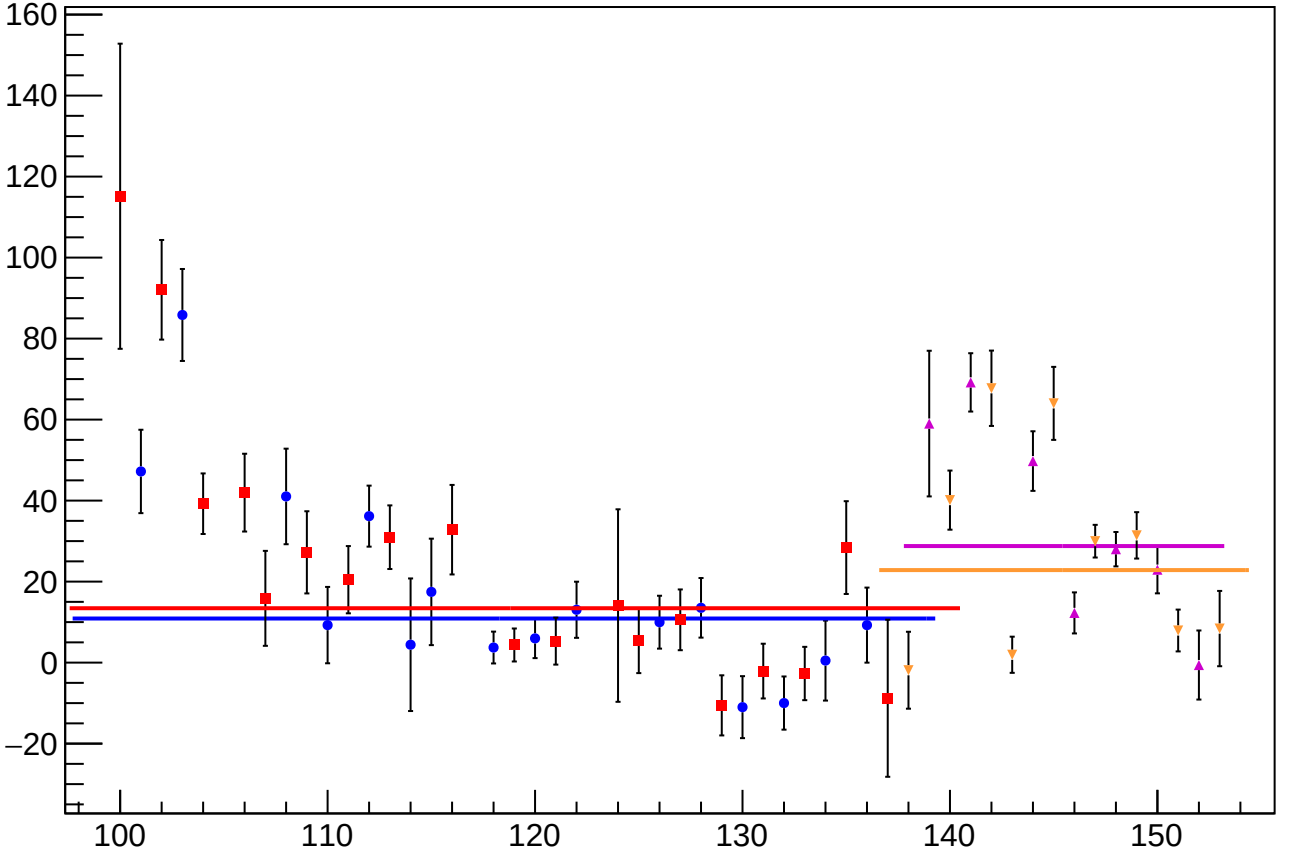
Left In: -564.805+/-3.674 χ^2/NDF:27.1/6

\+ sign -365.658+/-1.572 χ^2/NDF: 7998.8/24

All: -373.779+/-1.117 χ^2/NDF: 13318.8/50

\- sign -382.057+/-1.587 χ^2/NDF: 5266.1/25

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 22.844+/-2.021 χ^2/NDF:94.6/8

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

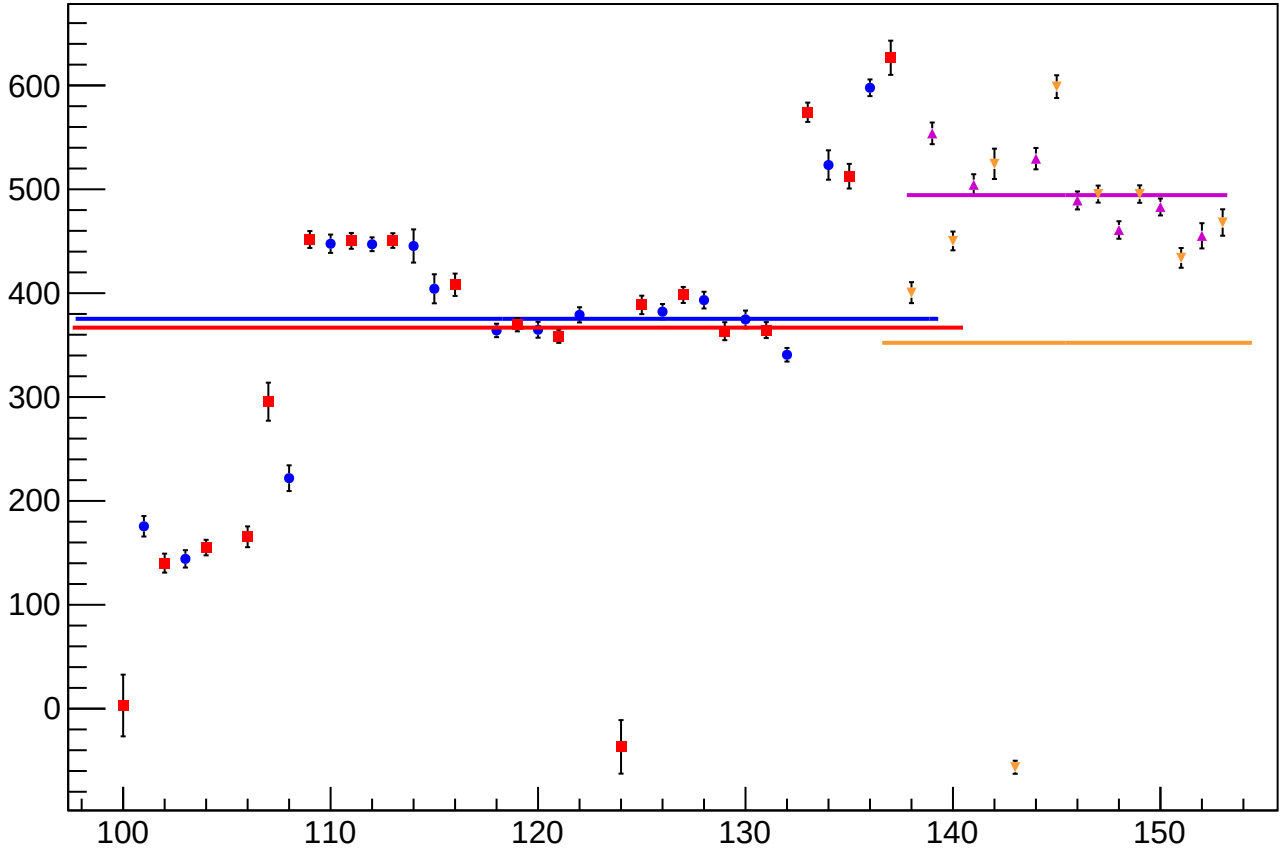
Left In: 28.777+/-2.368 χ^2/NDF:66.0/6

+ sign 16.317+/-1.362 χ^2/NDF: 211.9/24

All: 17.687+/-0.996 χ^2/NDF: 418.5/50

- sign 19.262+/-1.460 χ^2/NDF: 204.4/25

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 352.203+/-3.064 χ^2/NDF:5748.6/8

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

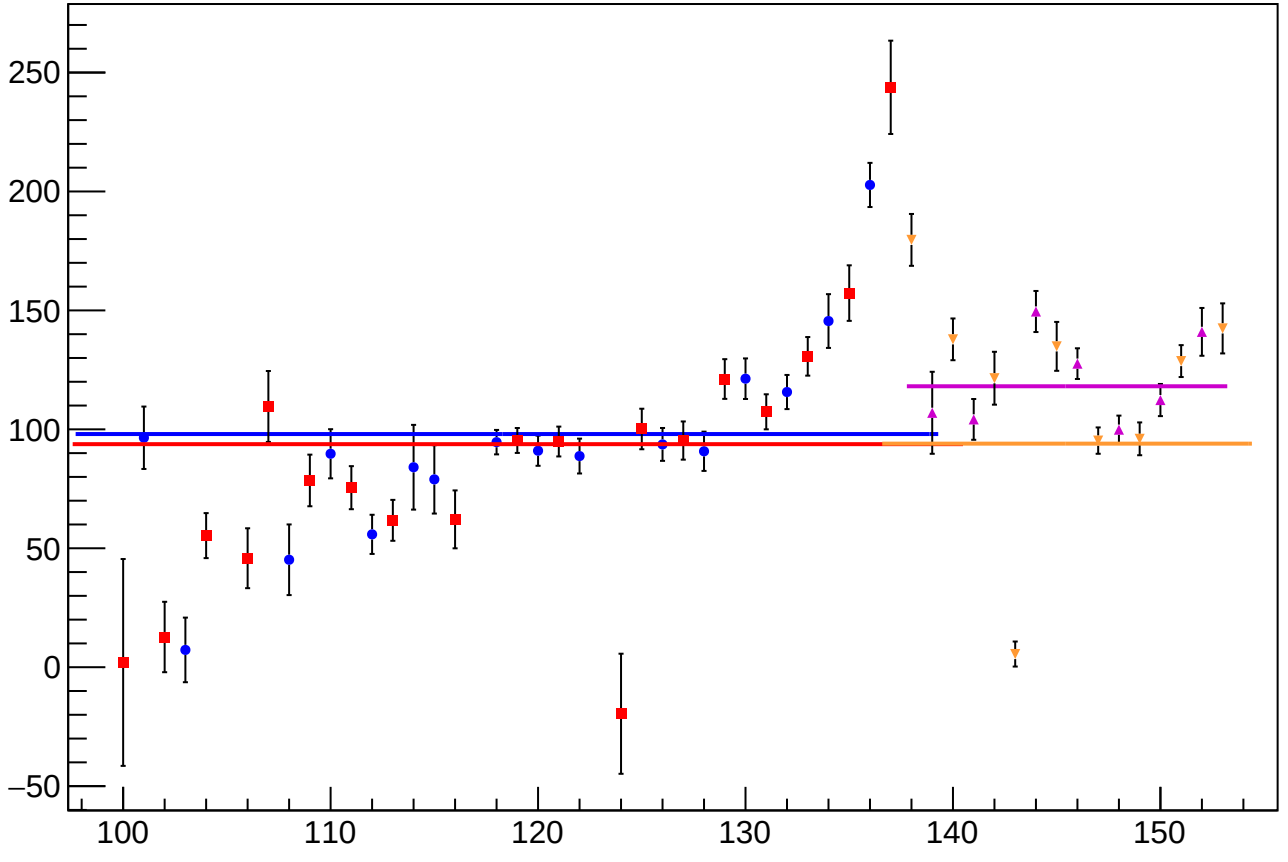
Left In: 494.387+/-3.589 χ^2/NDF:73.7/6

+ sign 367.919+/-1.734 χ^2/NDF: 8236.7/24

All: 382.659+/-1.242 χ^2/NDF: 12952.4/50

- sign 398.191+/-1.780 χ^2/NDF: 4567.2/25

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 93.986+/-2.500 χ^2/NDF:439.2/8

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

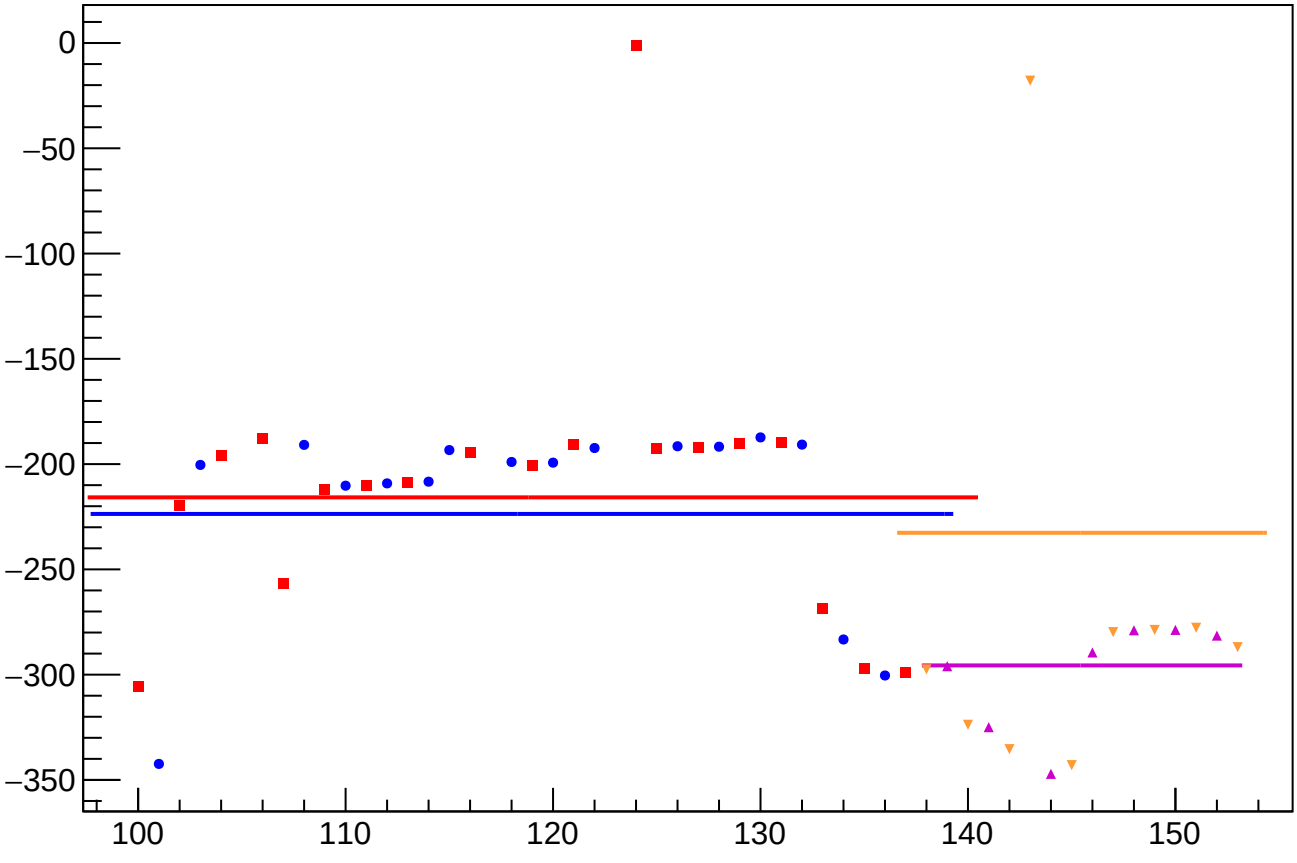
Left In: 118.108+/-2.951 χ^2/NDF:33.9/6

+ sign 96.311+/-1.628 χ^2/NDF: 690.2/24

All: 99.050+/-1.186 χ^2/NDF: 1011.9/50

- sign 102.151+/-1.732 χ^2/NDF: 315.7/25

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -232.624+/-0.126 χ^2/NDF:909030.6/8

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

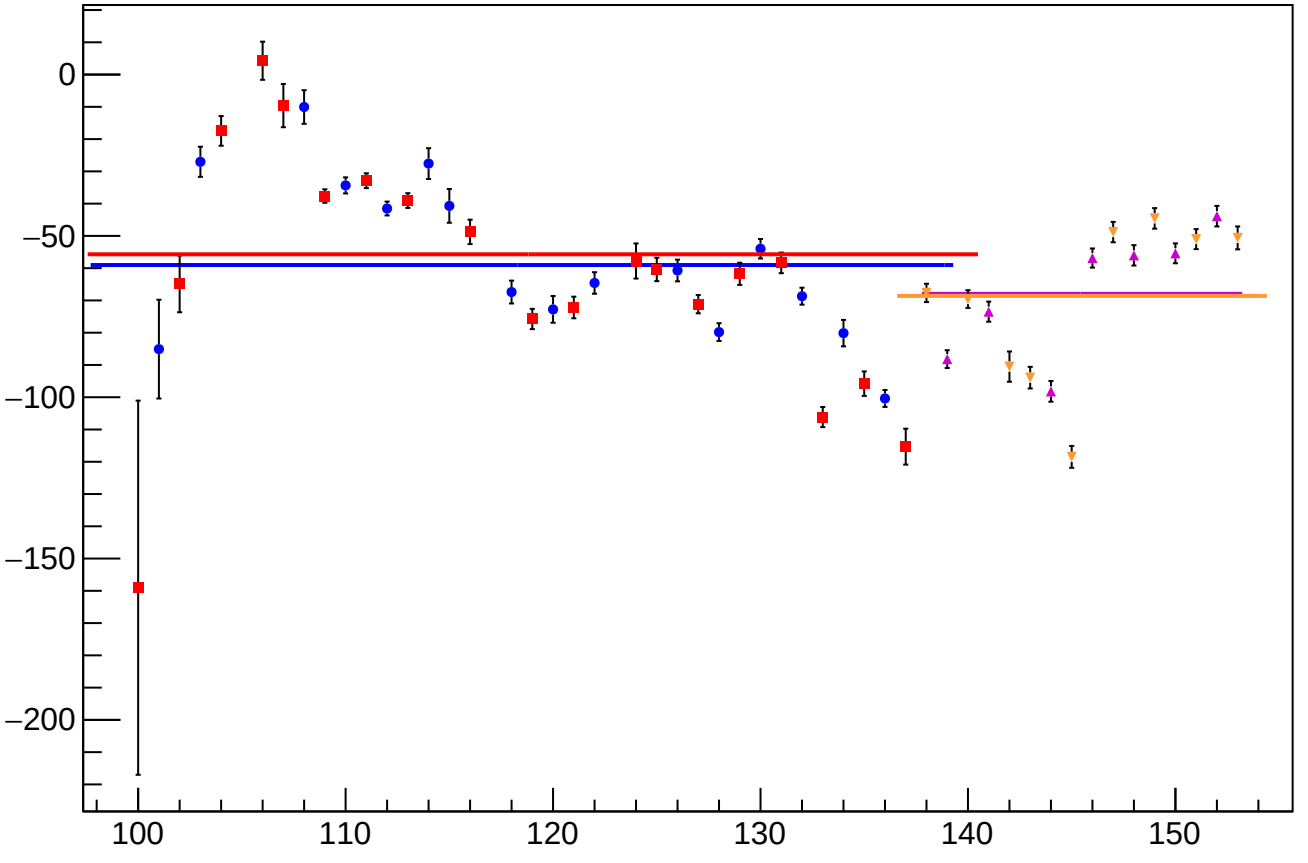
Left In: -295.613+/-0.144 χ^2/NDF:23814.4/6

+ sign -228.548+/-0.093 χ^2/NDF: 1032845.4/24

All: -240.034+/-0.068 χ^2/NDF: 1333957.6/50

- sign -252.803+/-0.098 χ^2/NDF: 269096.3/25

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -68.601+/-1.079 χ^2/NDF:450.2/8

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

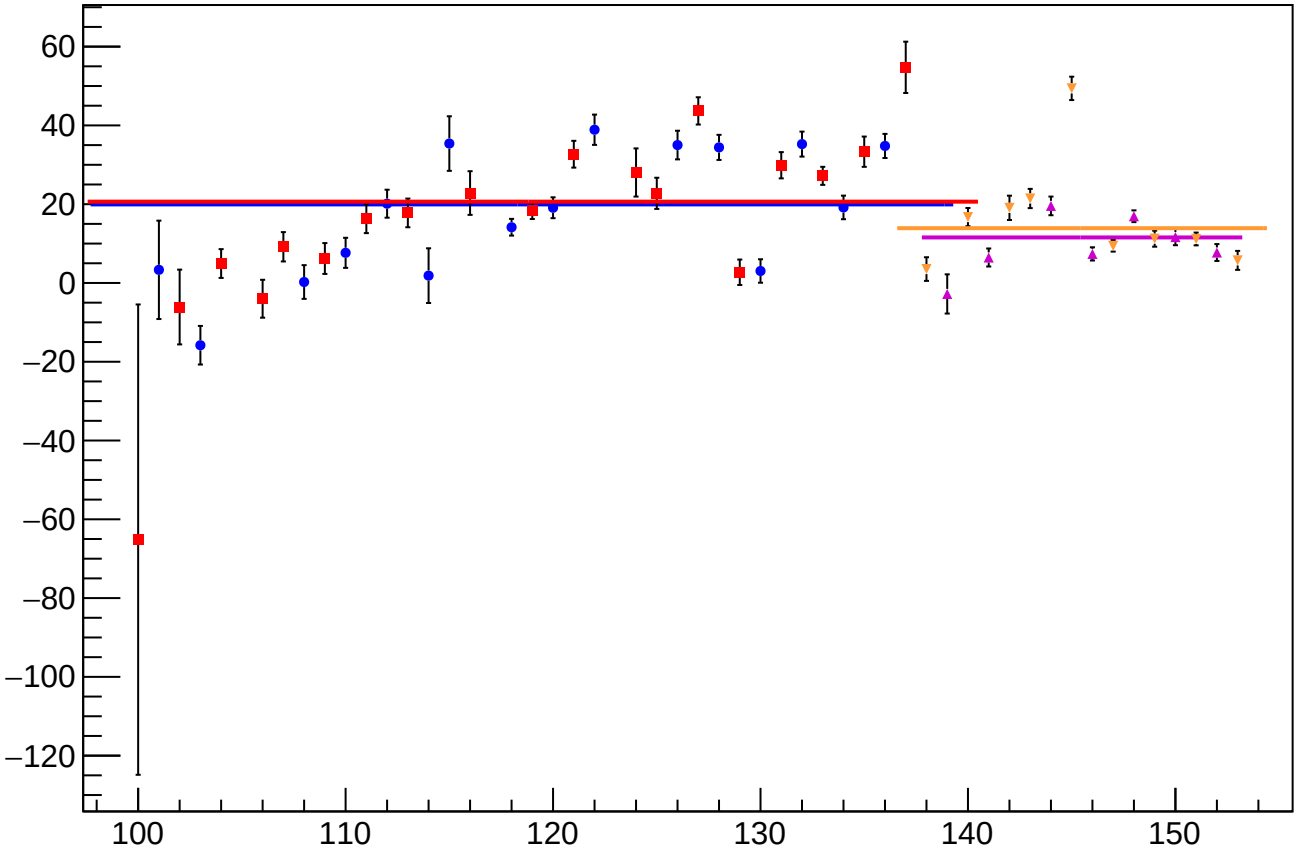
Left In: -67.958+/-1.155 χ^2/NDF:247.9/6

+ sign -62.583+/-0.658 χ^2/NDF: 1227.0/24

All: -61.083+/-0.463 χ^2/NDF: 2603.1/50

- sign -59.608+/-0.652 χ^2/NDF: 1365.8/25

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 13.908+/-0.716 χ^2/NDF:194.7/8

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

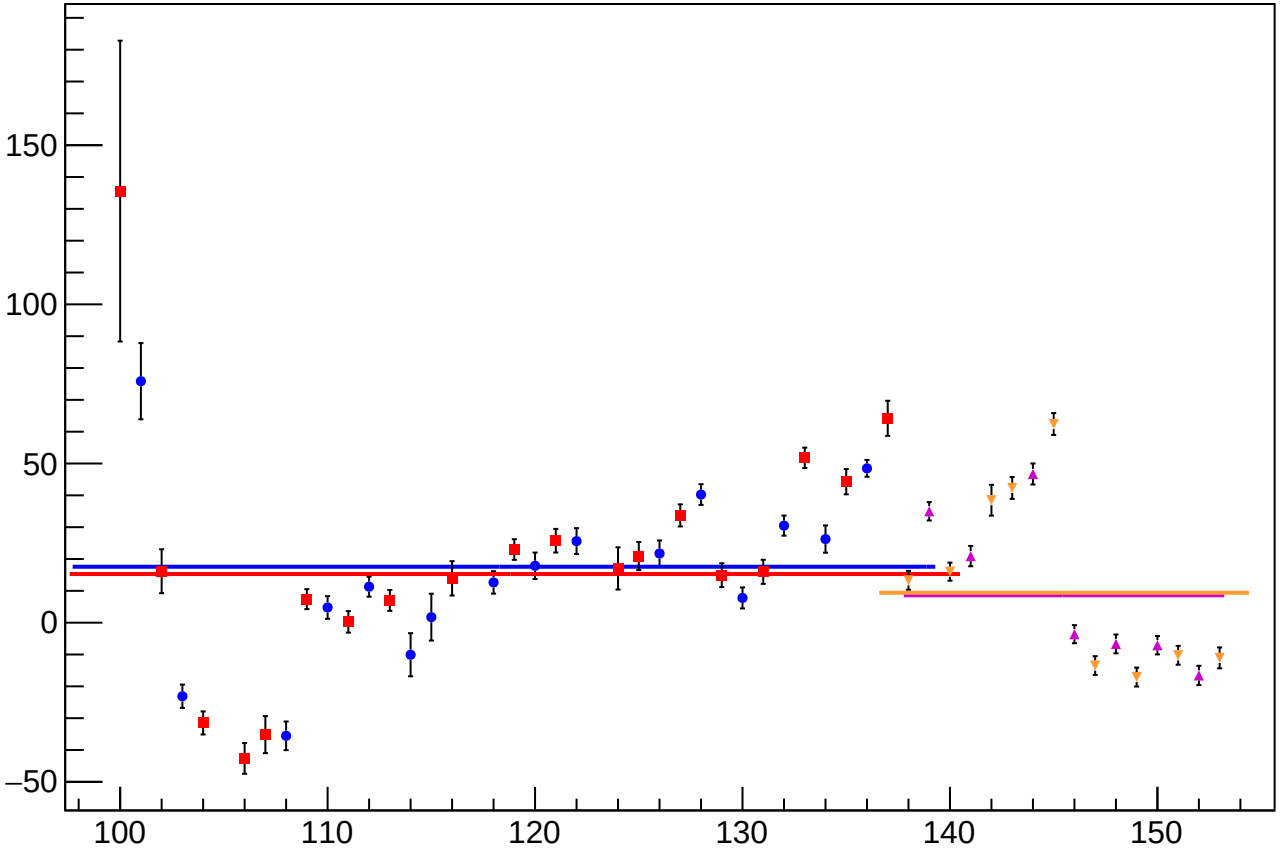
Left In: 11.558+/-0.775 χ^2/NDF:47.1/6

+ sign 16.354+/-0.552 χ^2/NDF: 470.7/24

All: 16.046+/-0.397 χ^2/NDF: 806.1/50

- sign 15.716+/-0.571 χ^2/NDF: 334.7/25

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 9.406+/-1.063 χ^2/NDF:595.3/8

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

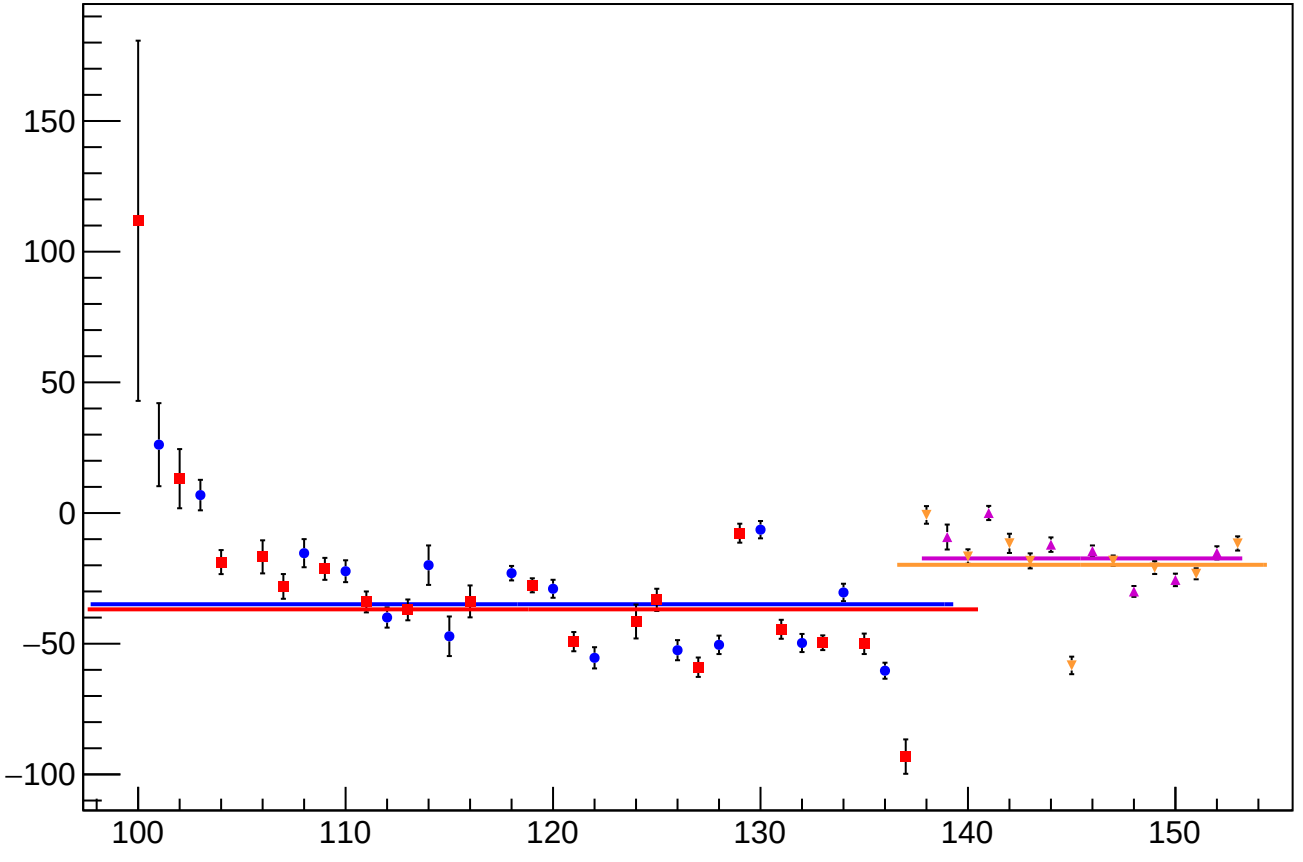
Left In: 8.605+/-1.134 χ^2/NDF:376.2/6

\+ sign 13.921+/-0.711 χ^2/NDF: 1174.1/24

All: 13.261+/-0.506 χ^2/NDF: 2302.7/50

\- sign 12.583+/-0.721 χ^2/NDF: 1126.9/25

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -19.808+/-0.883 χ^2/NDF:182.8/8

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

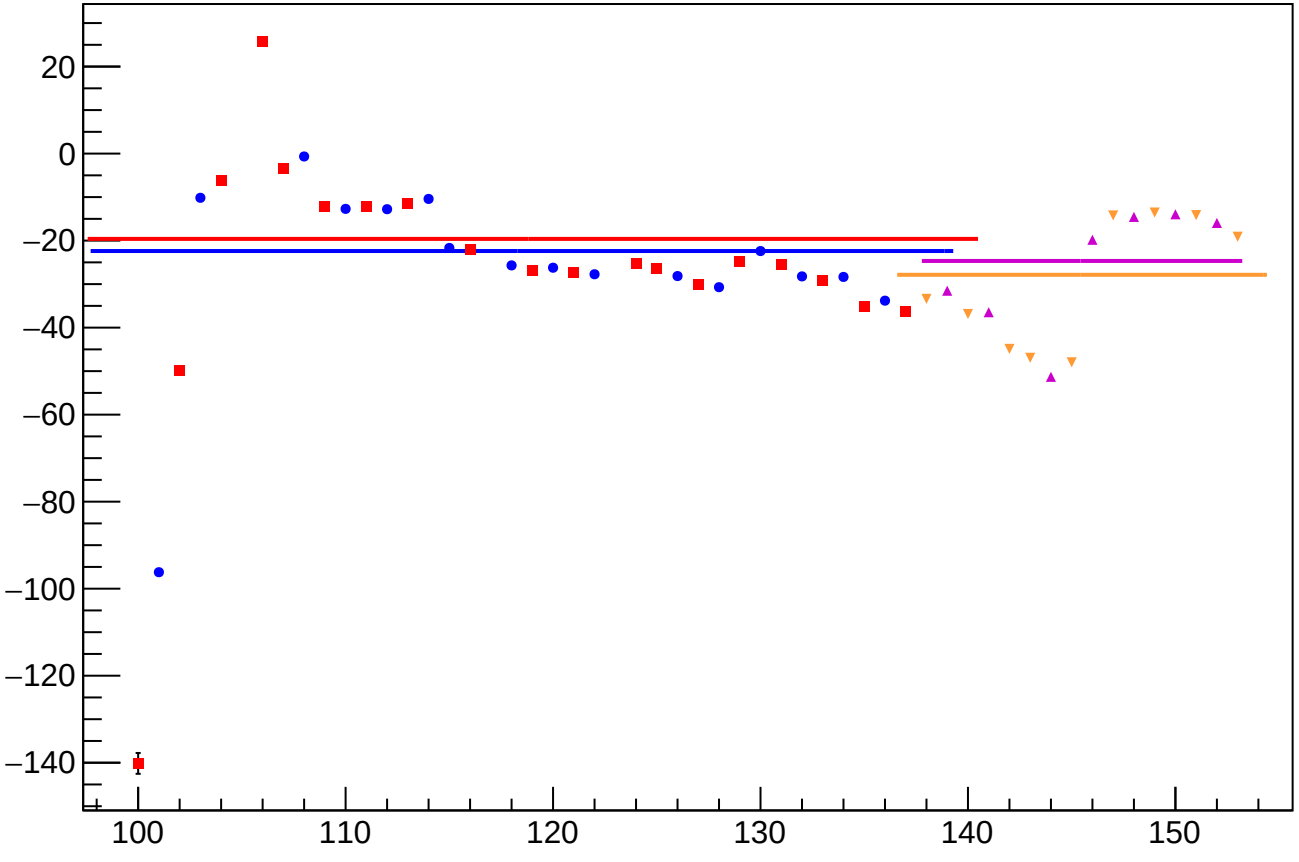
Left In: -17.366+/-0.956 χ^2/NDF:98.9/6

+ sign -26.495+/-0.659 χ^2/NDF: 658.7/24

All: -26.728+/-0.474 χ^2/NDF: 1264.0/50

- sign -26.977+/-0.681 χ^2/NDF: 605.0/25

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -27.858+/-0.043 χ^2/NDF:98866.7/8

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

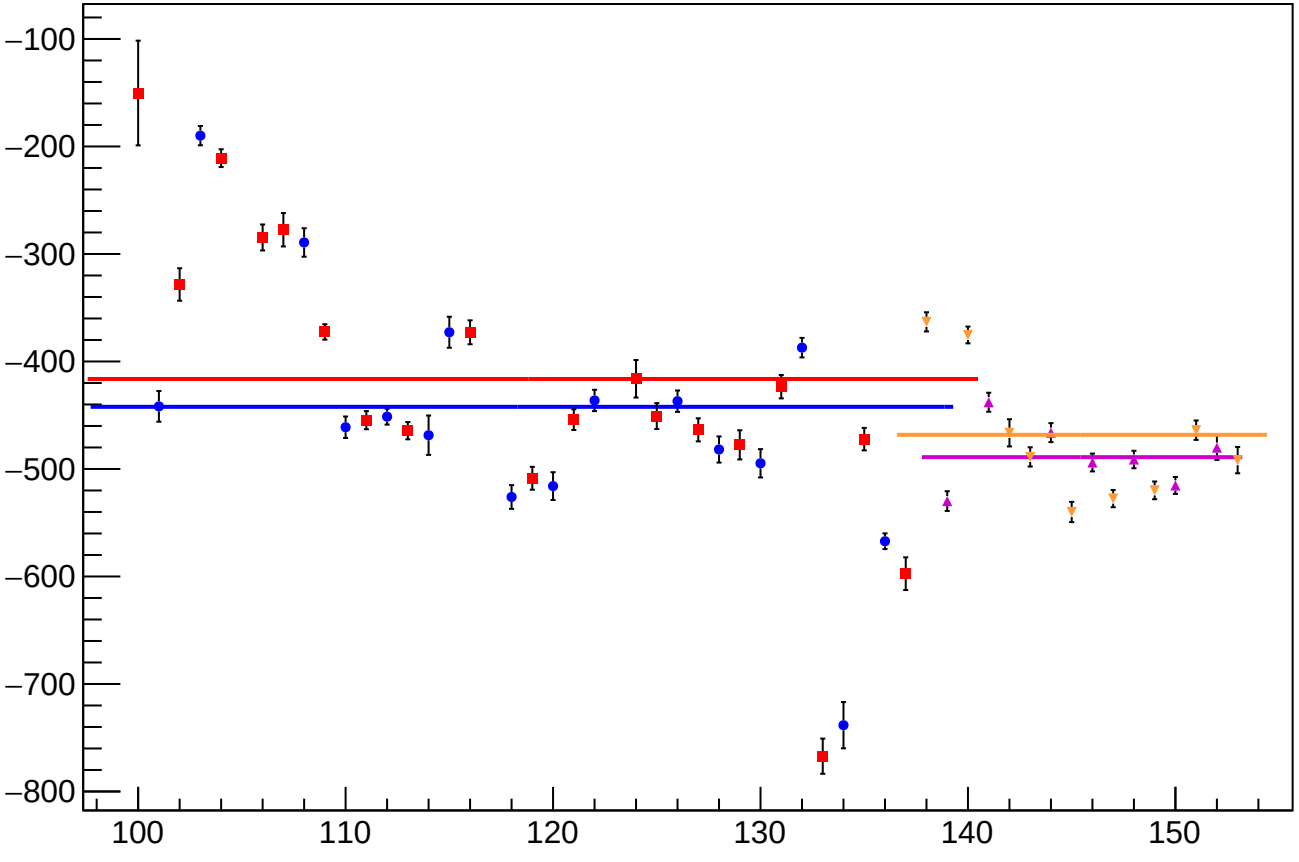
Left In: -24.674+/-0.045 χ^2/NDF:68850.1/6

+ sign -25.934+/-0.035 χ^2/NDF: 151080.0/24

All: -24.438+/-0.025 χ^2/NDF: 312303.3/50

- sign -22.830+/-0.036 χ^2/NDF: 157340.7/25

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -468.223+/-3.045 χ^2/NDF:440.4/8

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

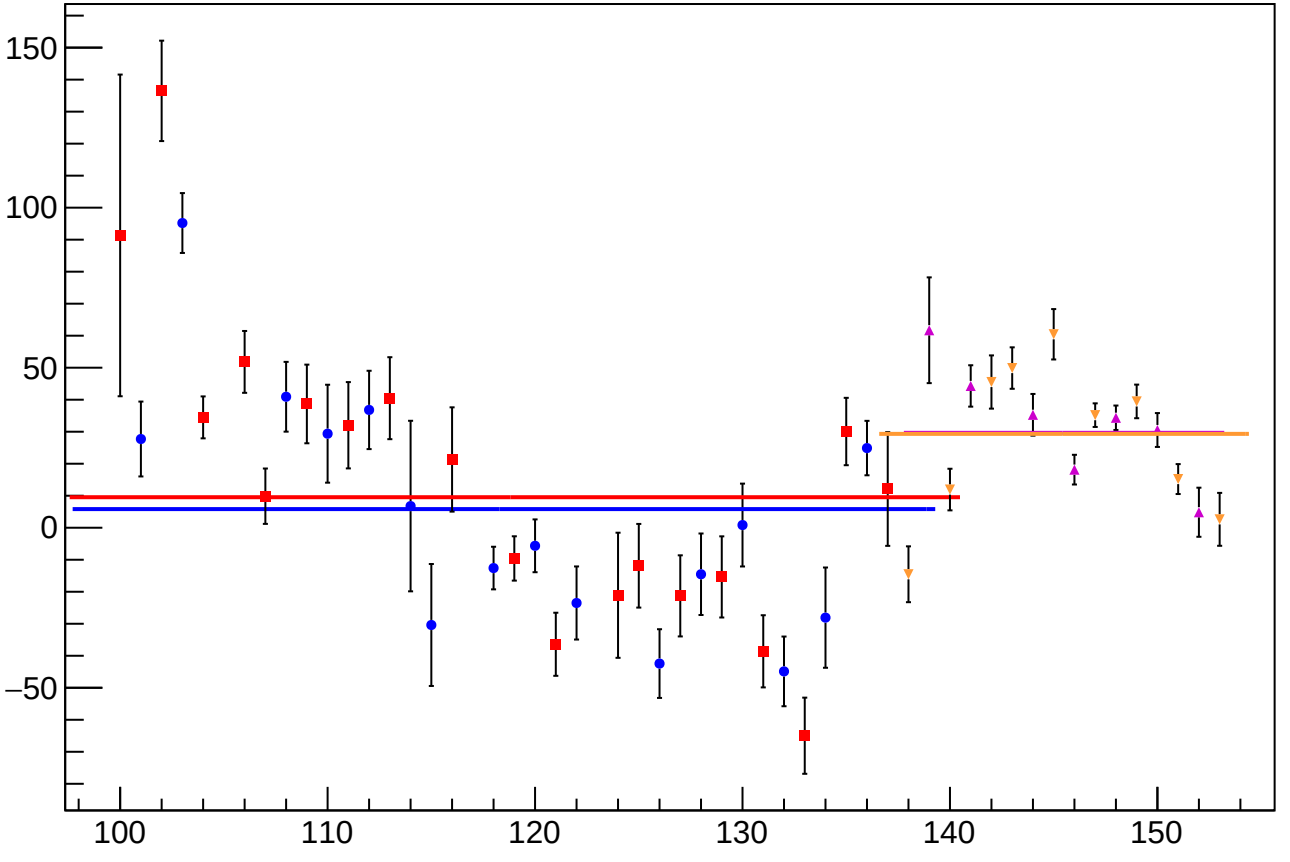
Left In: -488.996+/-3.319 χ^2/NDF:71.9/6

+ sign -453.559+/-2.012 χ^2/NDF: 2070.7/24

All: -448.213+/-1.422 χ^2/NDF: 4214.9/50

- sign -442.887+/-2.008 χ^2/NDF: 2130.1/25

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 29.326+/-1.956 χ^2/NDF:87.7/8

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

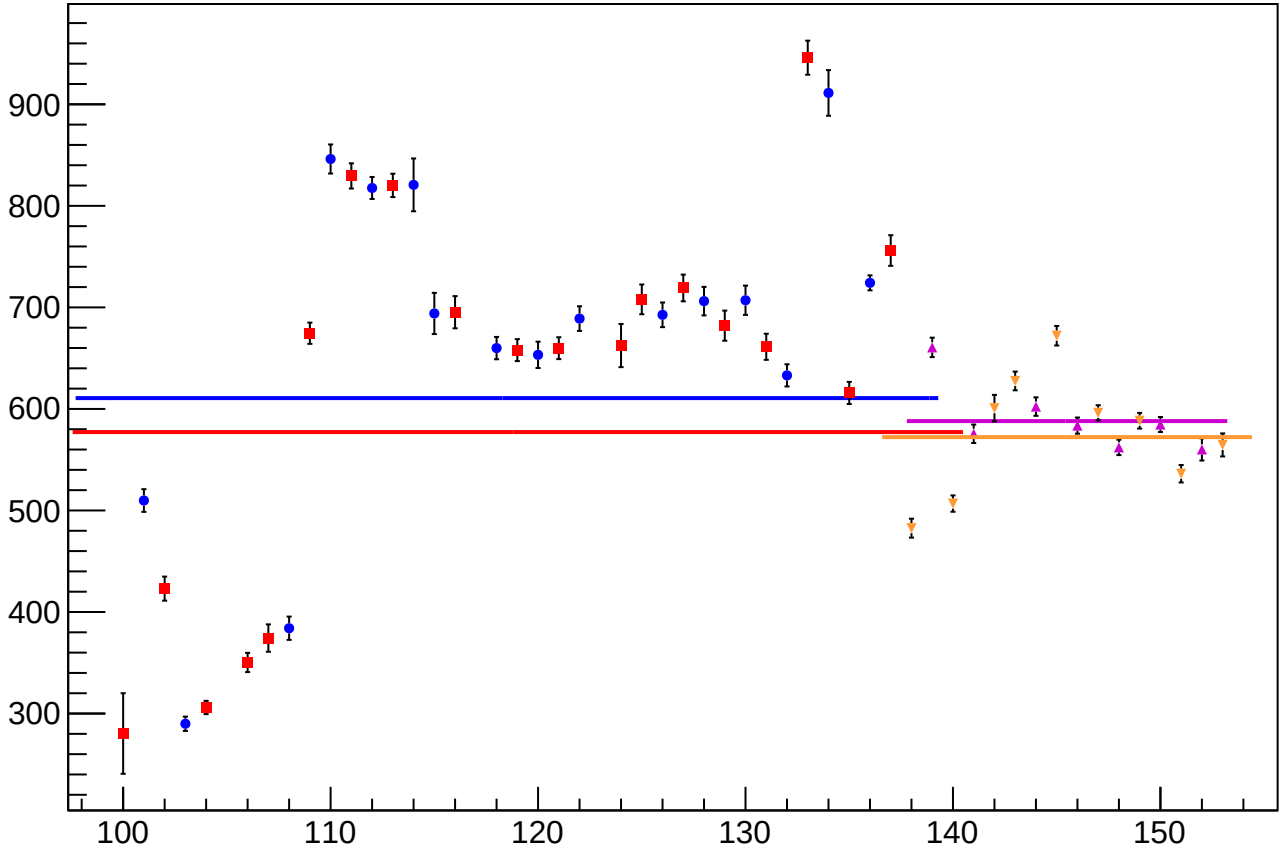
Left In: 29.649+/-2.137 χ^2/NDF:27.8/6

+ sign 21.347+/-1.590 χ^2/NDF: 324.9/24

All: 21.360+/-1.141 χ^2/NDF: 611.3/50

- sign 21.374+/-1.640 χ^2/NDF: 286.4/25

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 572.224+/-2.997 χ^2/NDF:339.7/8

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

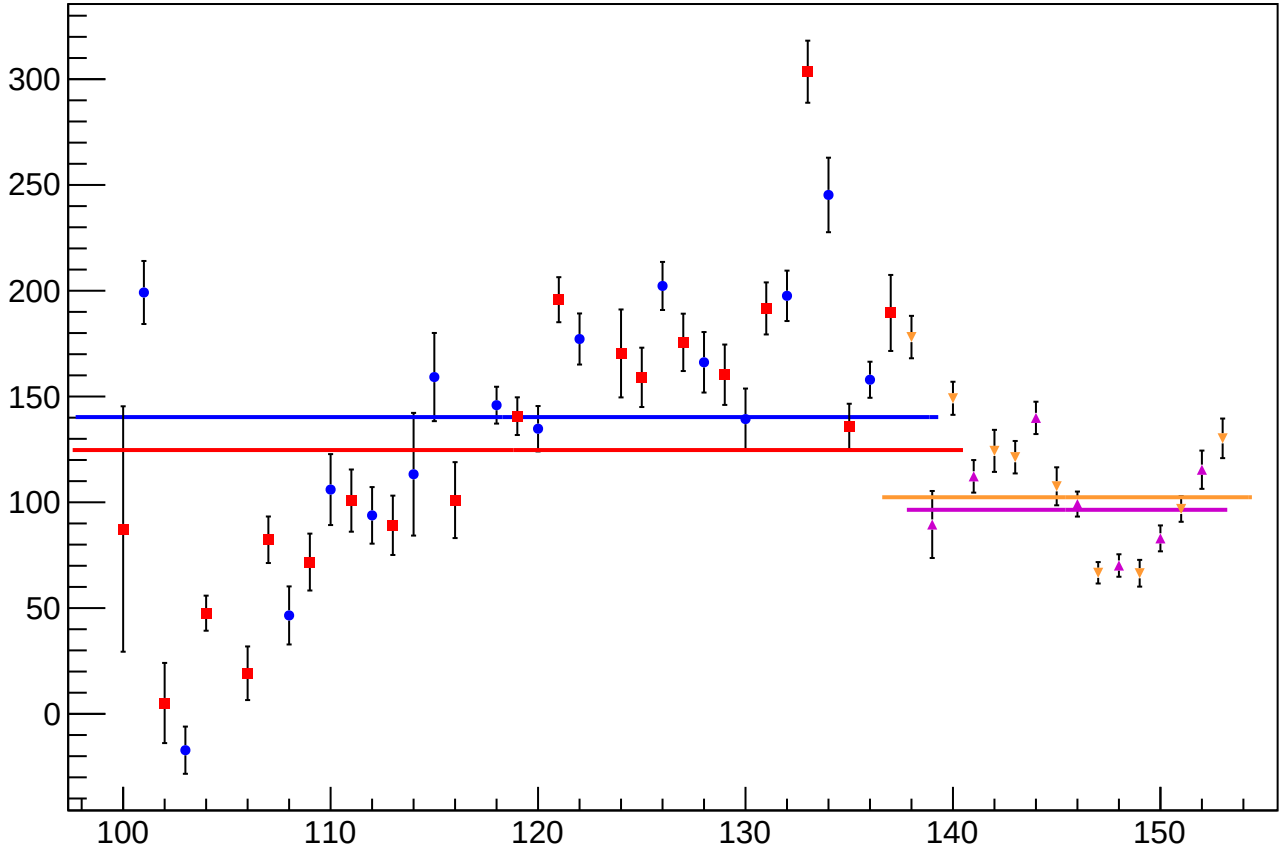
Left In: 588.013+/-3.243 χ^2/NDF:80.7/6

+ sign 592.128+/-2.081 χ^2/NDF: 4317.4/24

All: 586.978+/-1.478 χ^2/NDF: 9217.2/50

- sign 581.735+/-2.100 χ^2/NDF: 4887.4/25

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 102.394+/-2.437 χ^2/NDF:195.8/8

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

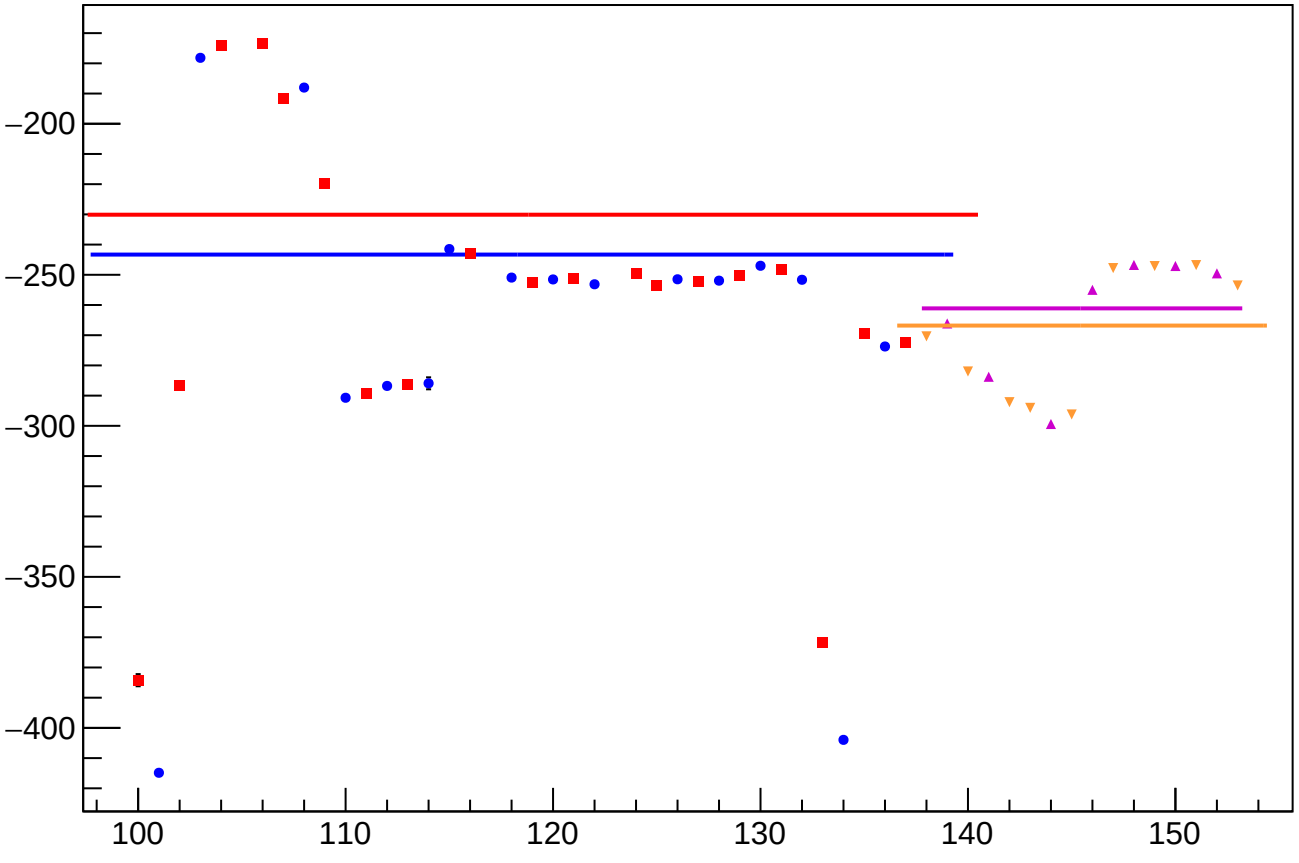
Left In: 96.451+/-2.664 χ^2/NDF:70.8/6

+ sign 116.569+/-1.928 χ^2/NDF: 671.7/24

All: 112.898+/-1.383 χ^2/NDF: 1308.4/50

- sign 109.003+/-1.986 χ^2/NDF: 629.3/25

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -266.811+/-0.123 χ^2/NDF:26617.8/8

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

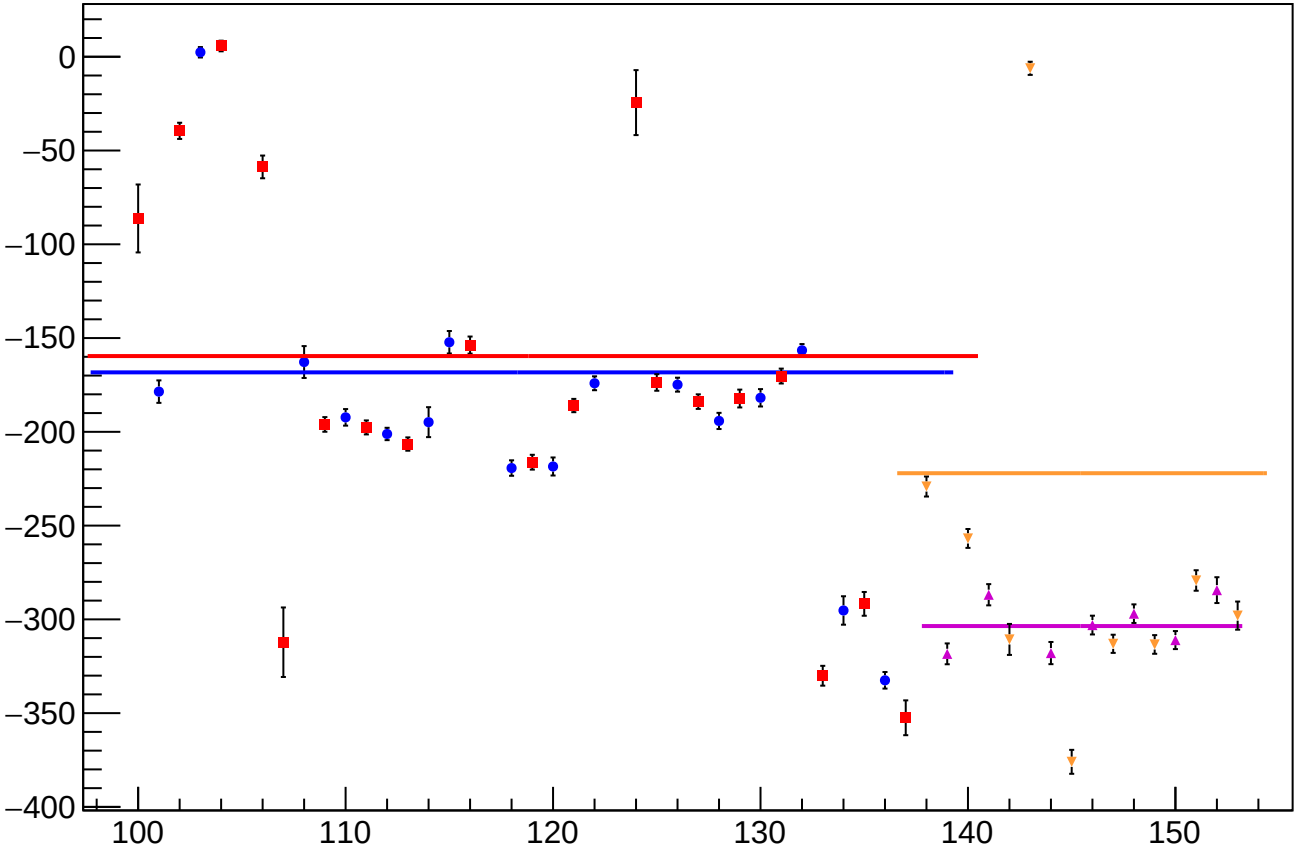
Left In: -261.118+/-0.131 χ^2/NDF:18335.2/6

+ sign -258.208+/-0.098 χ^2/NDF: 213365.4/24

All: -253.446+/-0.070 χ^2/NDF: 361940.3/50

- sign -248.471+/-0.101 χ^2/NDF: 143778.7/25

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -222.065+/-1.743 χ^2/NDF:5432.1/8

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

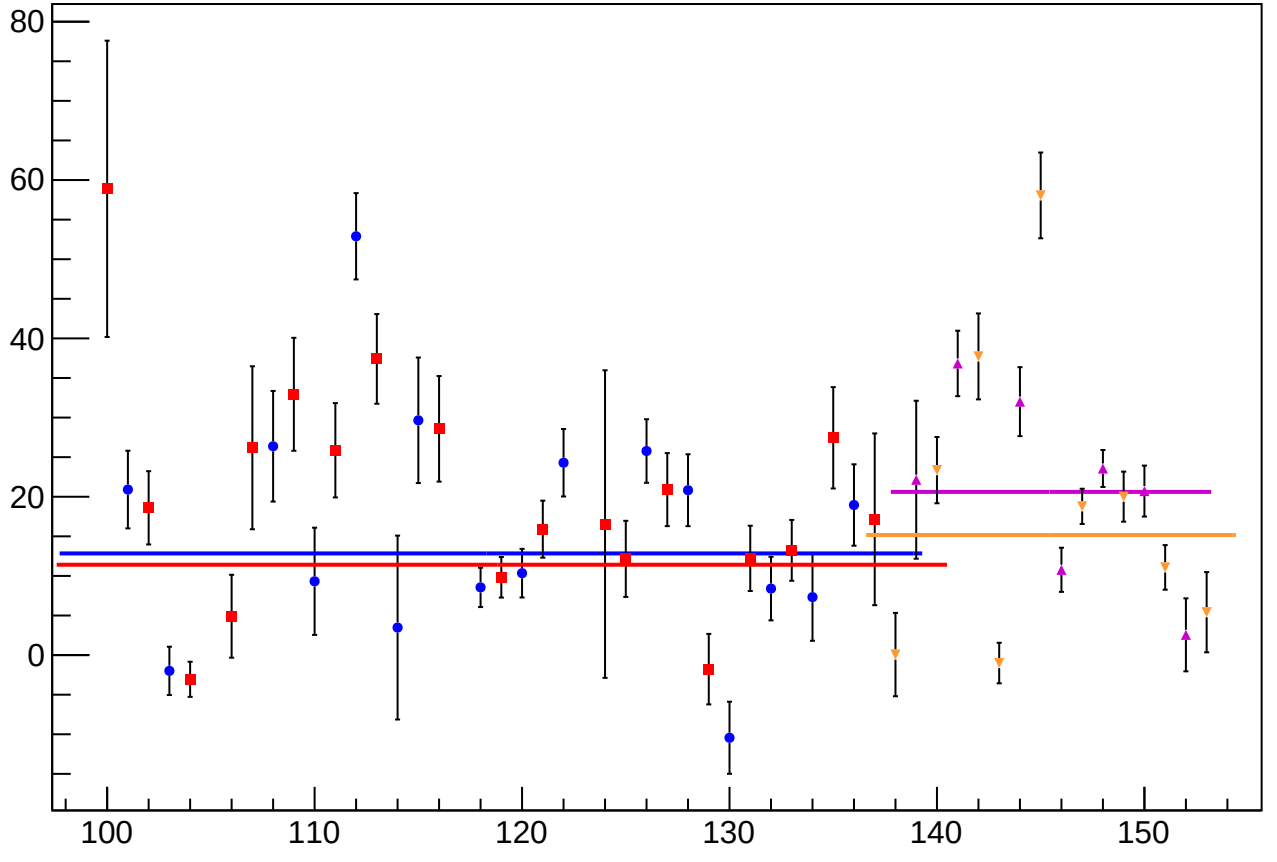
Left In: -303.563+/-2.054 χ^2/NDF:33.7/6

+ sign -183.124+/-0.915 χ^2/NDF: 12028.9/24

All: -186.060+/-0.652 χ^2/NDF: 23188.2/50

- sign -189.086+/-0.929 χ^2/NDF: 11138.5/25

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 15.168+/-1.131 χ^2/NDF:142.8/8

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

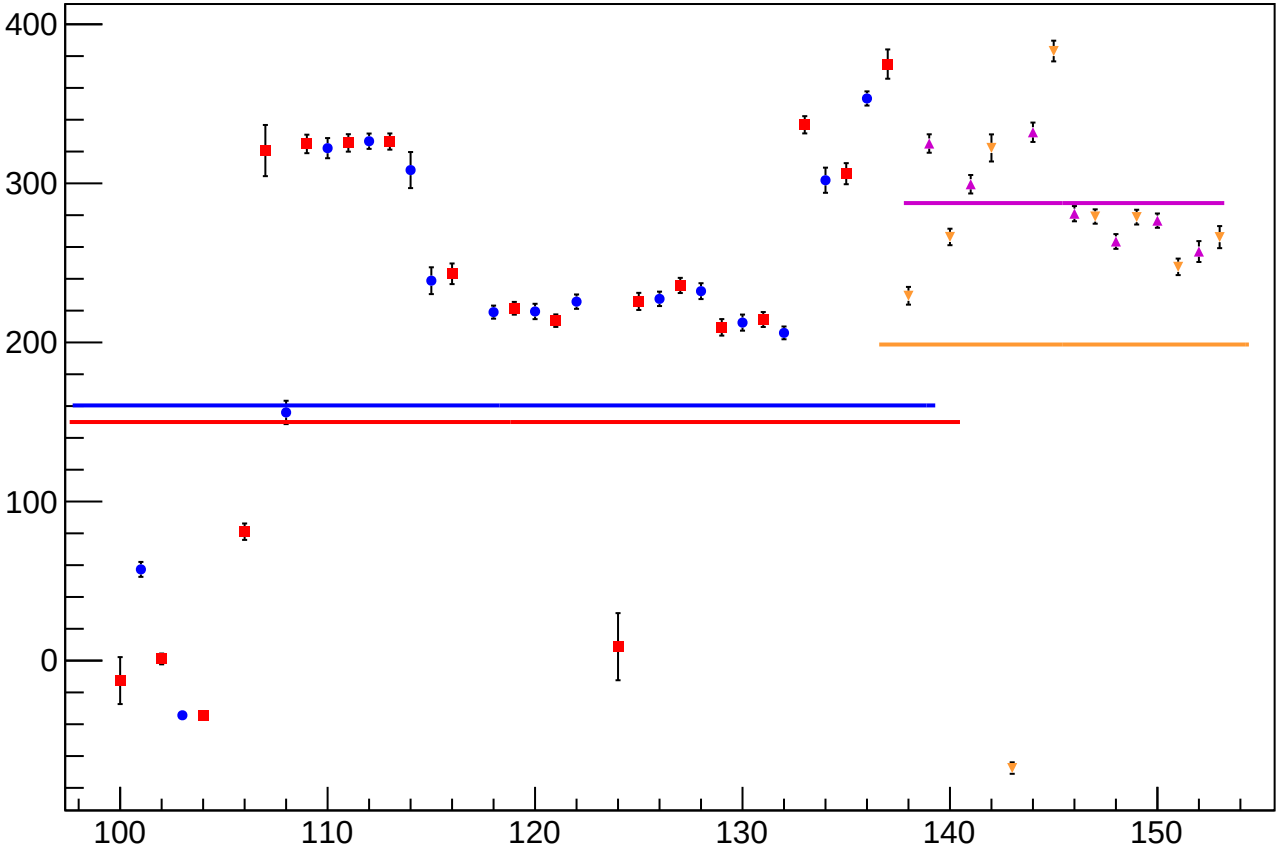
Left In: 20.613+/-1.317 χ^2/NDF:51.7/6

+ sign 13.947+/-0.780 χ^2/NDF: 288.7/24

All: 14.417+/-0.563 χ^2/NDF: 490.8/50

- sign 14.929+/-0.814 χ^2/NDF: 201.4/25

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 198.697+/-1.723 χ^2/NDF:7451.7/8

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

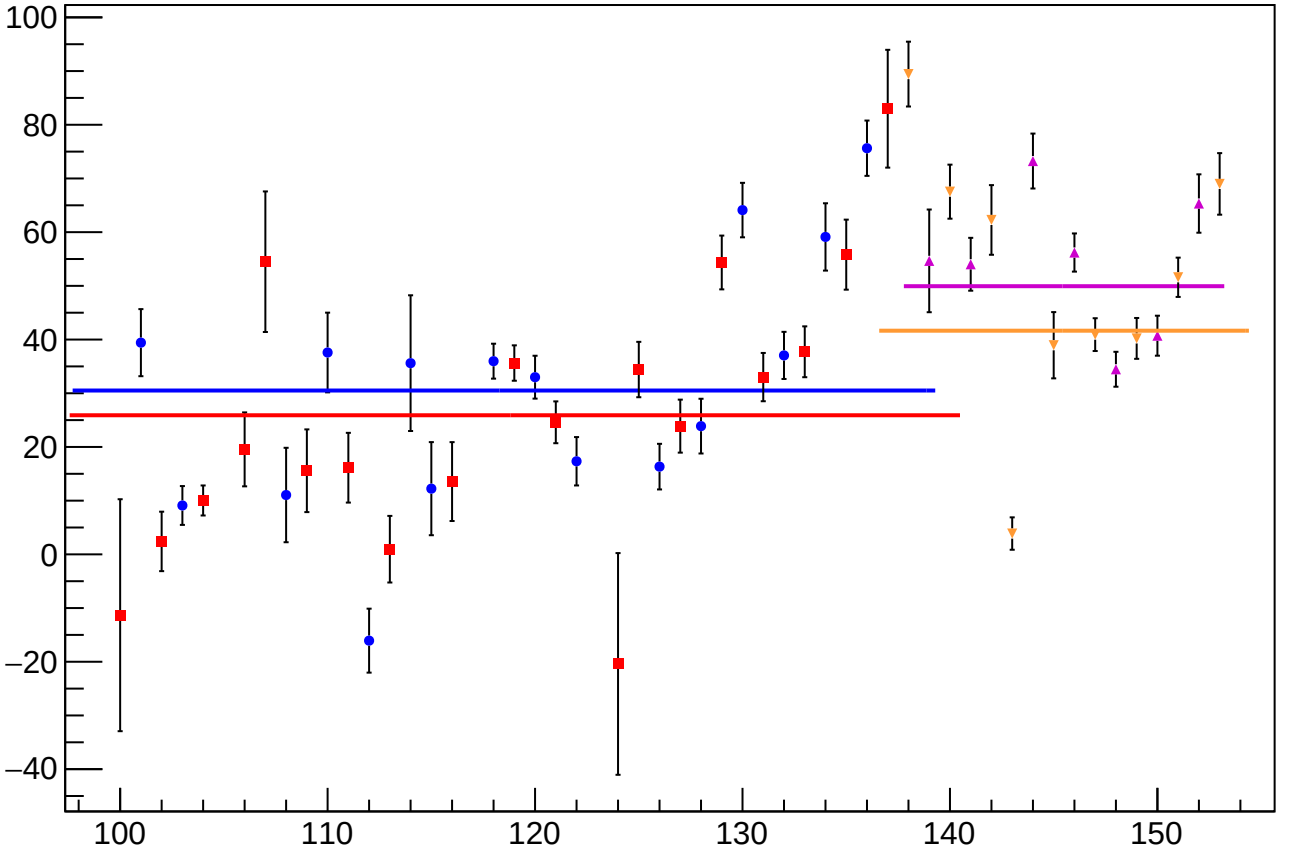
Left In: 287.609+/-2.003 χ^2/NDF:155.9/6

+ sign 172.050+/-0.950 χ^2/NDF: 21745.1/24

All: 177.008+/-0.678 χ^2/NDF: 41838.5/50

- sign 182.163+/-0.969 χ^2/NDF: 20037.8/25

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 41.650+/-1.402 χ^2/NDF:286.6/8

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

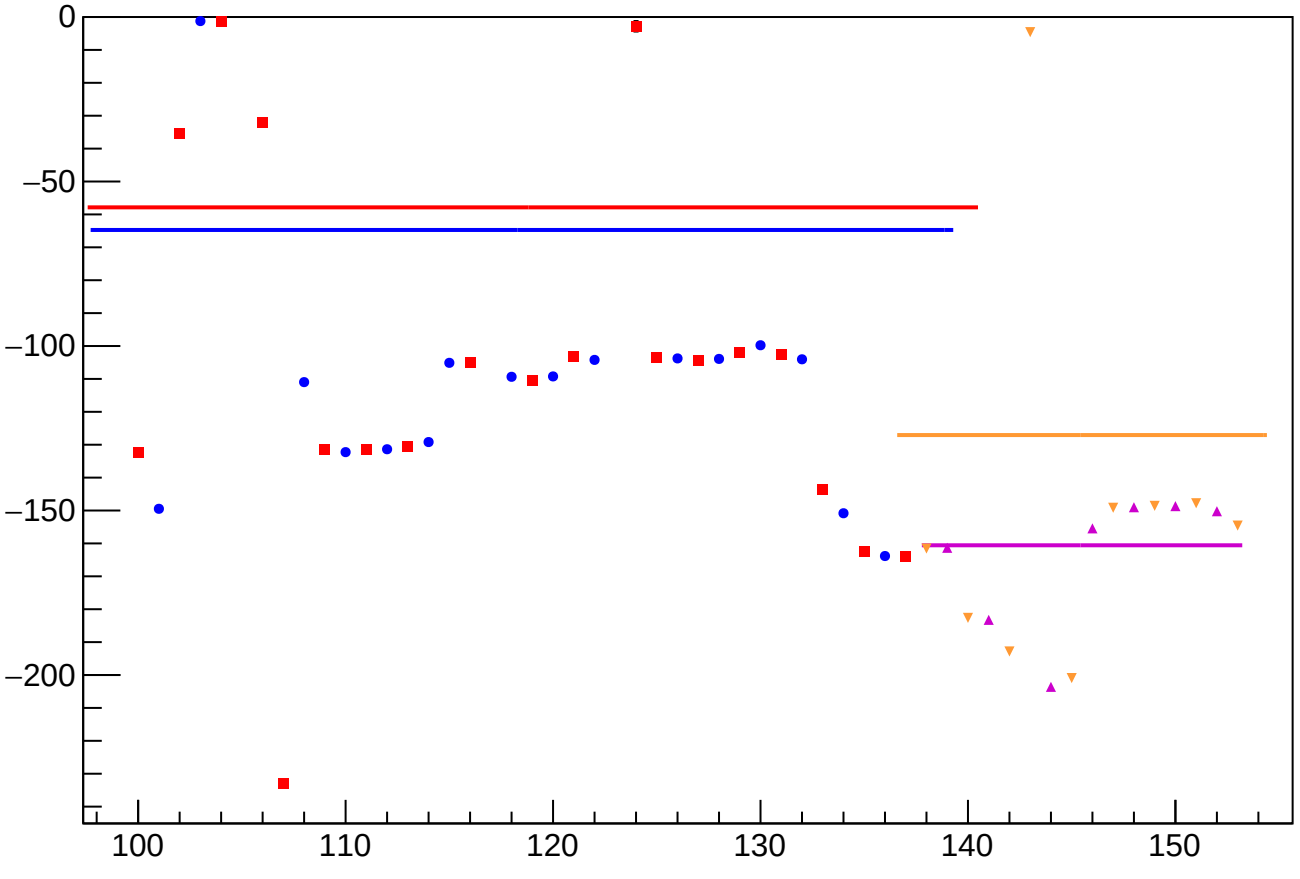
Left In: 49.938+/-1.644 χ^2/NDF:61.6/6

+ sign 35.462+/-0.935 χ^2/NDF: 598.6/24

All: 34.943+/-0.675 χ^2/NDF: 987.0/50

- sign 34.378+/-0.976 χ^2/NDF: 387.8/25

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -127.064+/-0.071 χ^2/NDF:914604.0/8

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

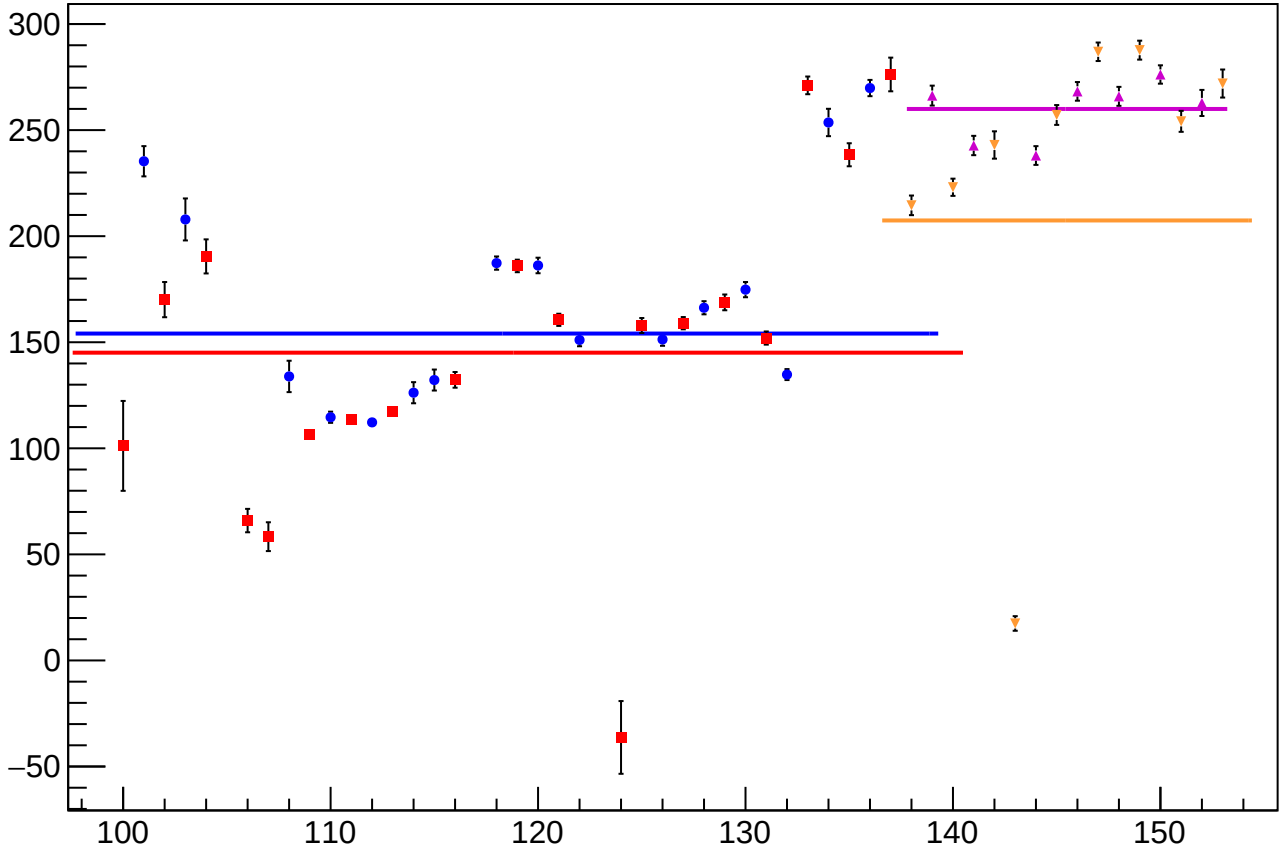
Left In: -160.567+/-0.080 χ^2/NDF:44484.3/6

+ sign -92.577+/-0.047 χ^2/NDF: 2385688.3/24

All: -94.351+/-0.034 χ^2/NDF: 4330056.9/50

- sign -96.257+/-0.049 χ^2/NDF: 1941469.1/25

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 207.409+/-1.528 χ^2/NDF:4042.1/8

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

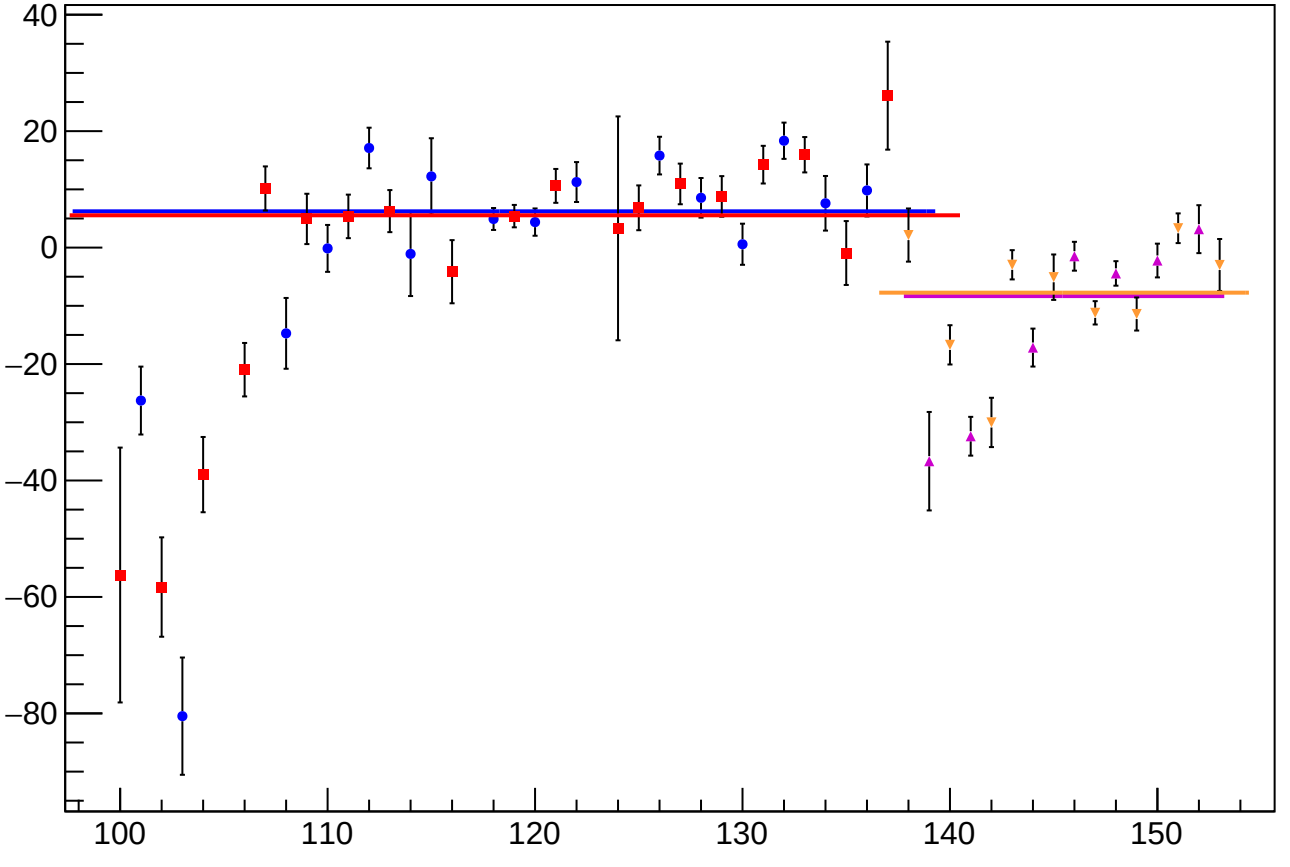
Left In: 259.968+/-1.750 χ^2/NDF:60.4/6

\+ sign 167.122+/-0.756 χ^2/NDF: 7242.7/24

All: 166.562+/-0.531 χ^2/NDF: 13786.7/50

\- sign 166.013+/-0.747 χ^2/NDF: 6543.0/25

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -7.740+/-1.004 χ^2/NDF:68.1/8

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

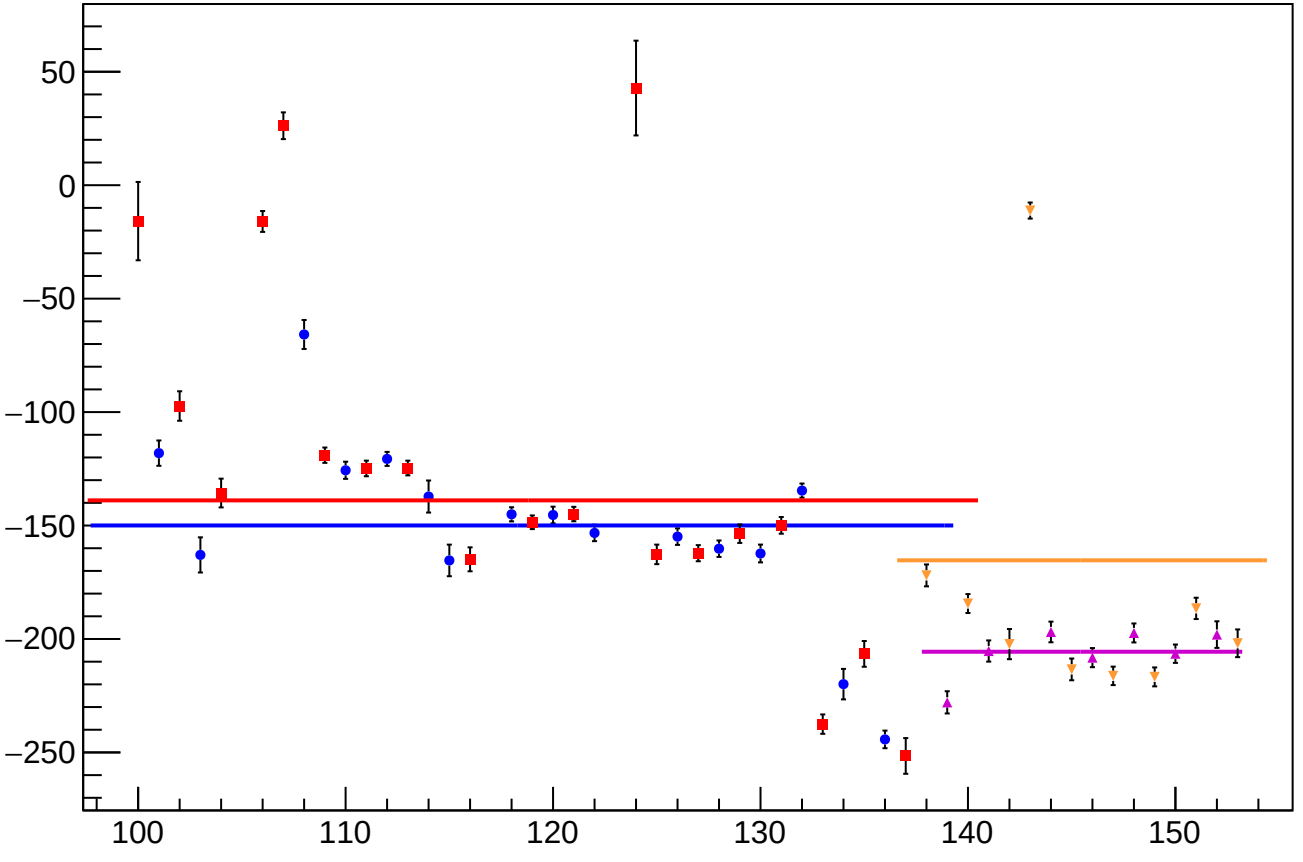
Left In: -8.328+/-1.143 χ^2/NDF:94.1/6

+ sign 0.081+/-0.666 χ^2/NDF: 338.6/24

All: 0.192+/-0.483 χ^2/NDF: 705.7/50

- sign 0.316+/-0.702 χ^2/NDF: 367.0/25

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -165.325+/-1.514 χ^2/NDF:2411.1/8

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

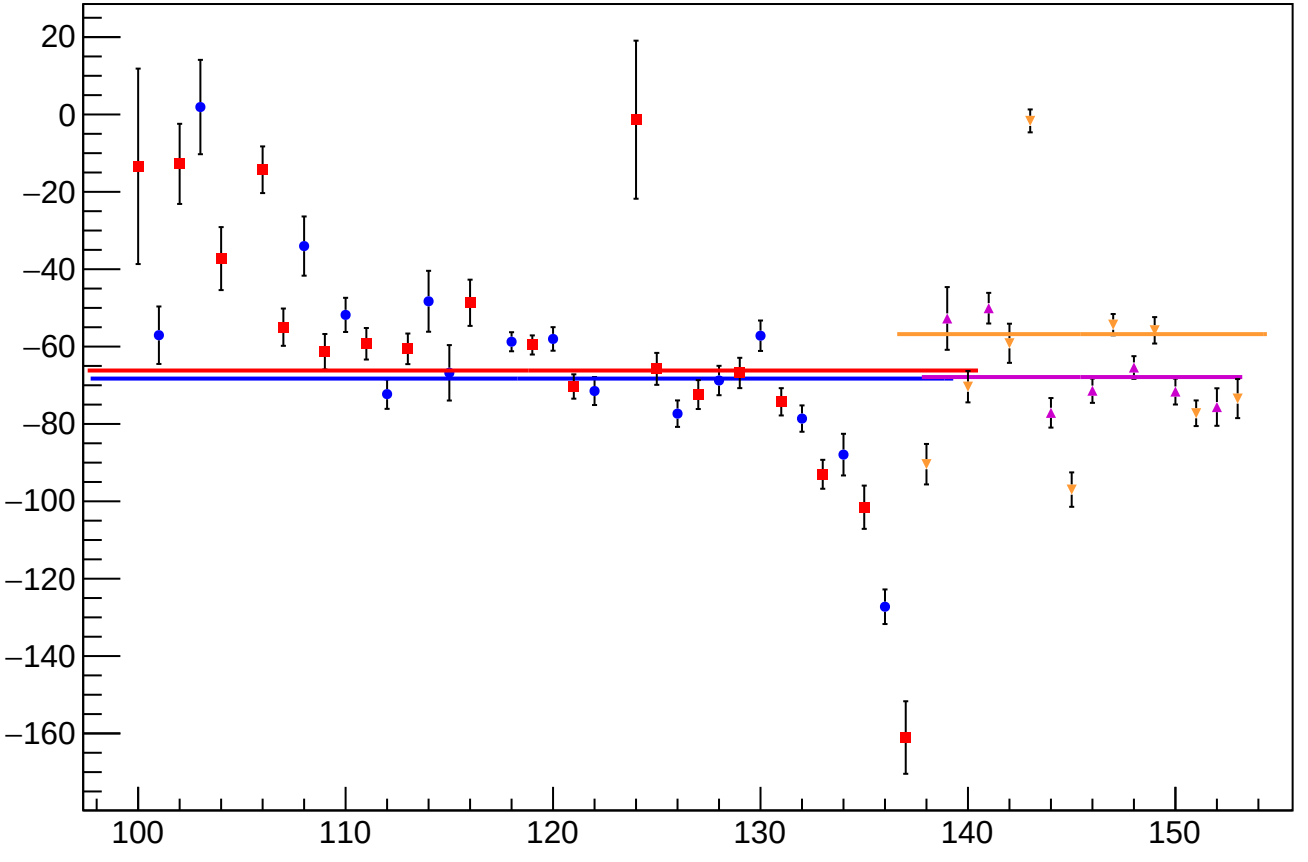
Left In: -205.621+/-1.715 χ^2/NDF:30.5/6

+ sign -154.799+/-0.849 χ^2/NDF: 3581.0/24

All: -155.227+/-0.604 χ^2/NDF: 7495.3/50

- sign -155.666+/-0.860 χ^2/NDF: 3913.8/25

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -56.782+/-1.241 χ^2/NDF:530.5/8

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

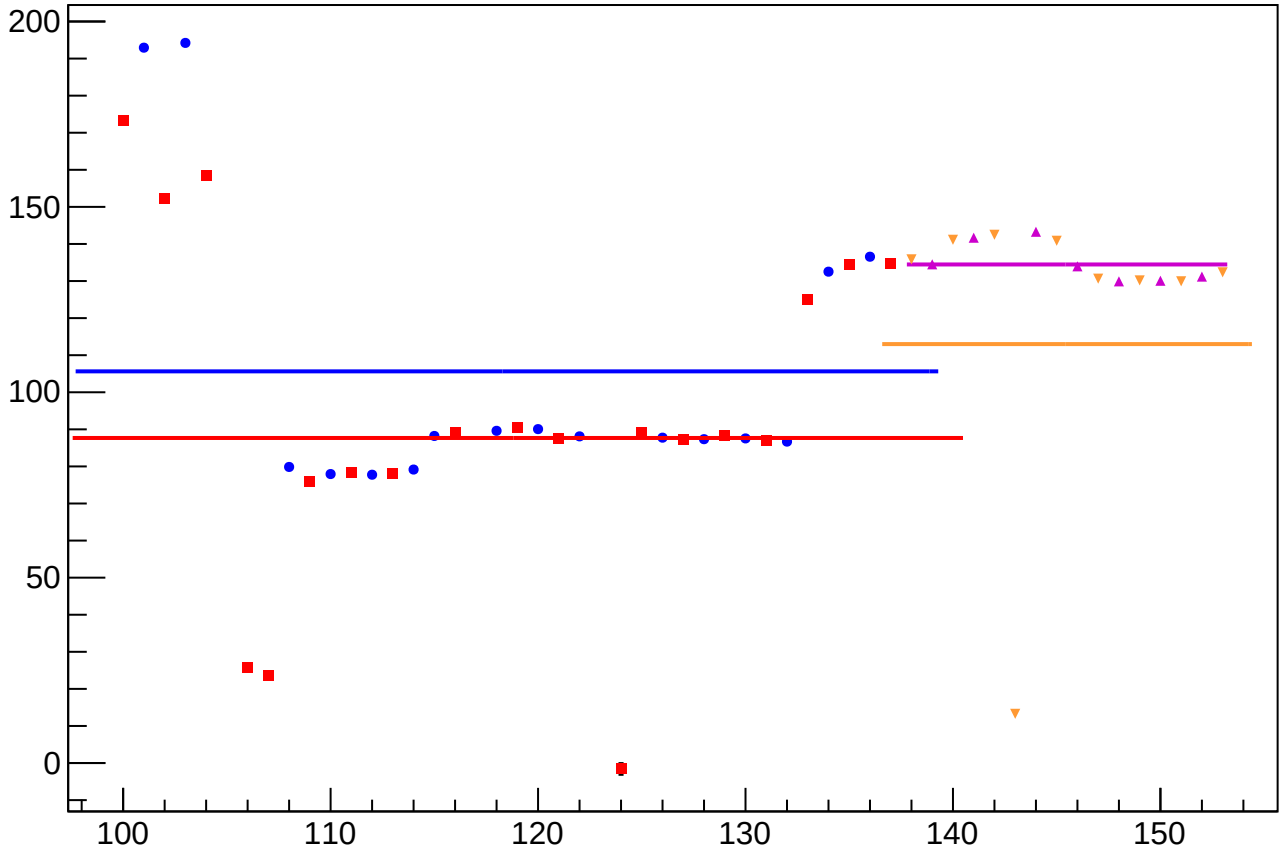
Left In: -67.873+/-1.420 χ^2/NDF:35.3/6

+ sign -63.569+/-0.794 χ^2/NDF: 896.5/24

All: -65.095+/-0.574 χ^2/NDF: 1298.8/50

- sign -66.763+/-0.830 χ^2/NDF: 394.6/25

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 112.994+/-0.062 χ^2/NDF:565528.4/8

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

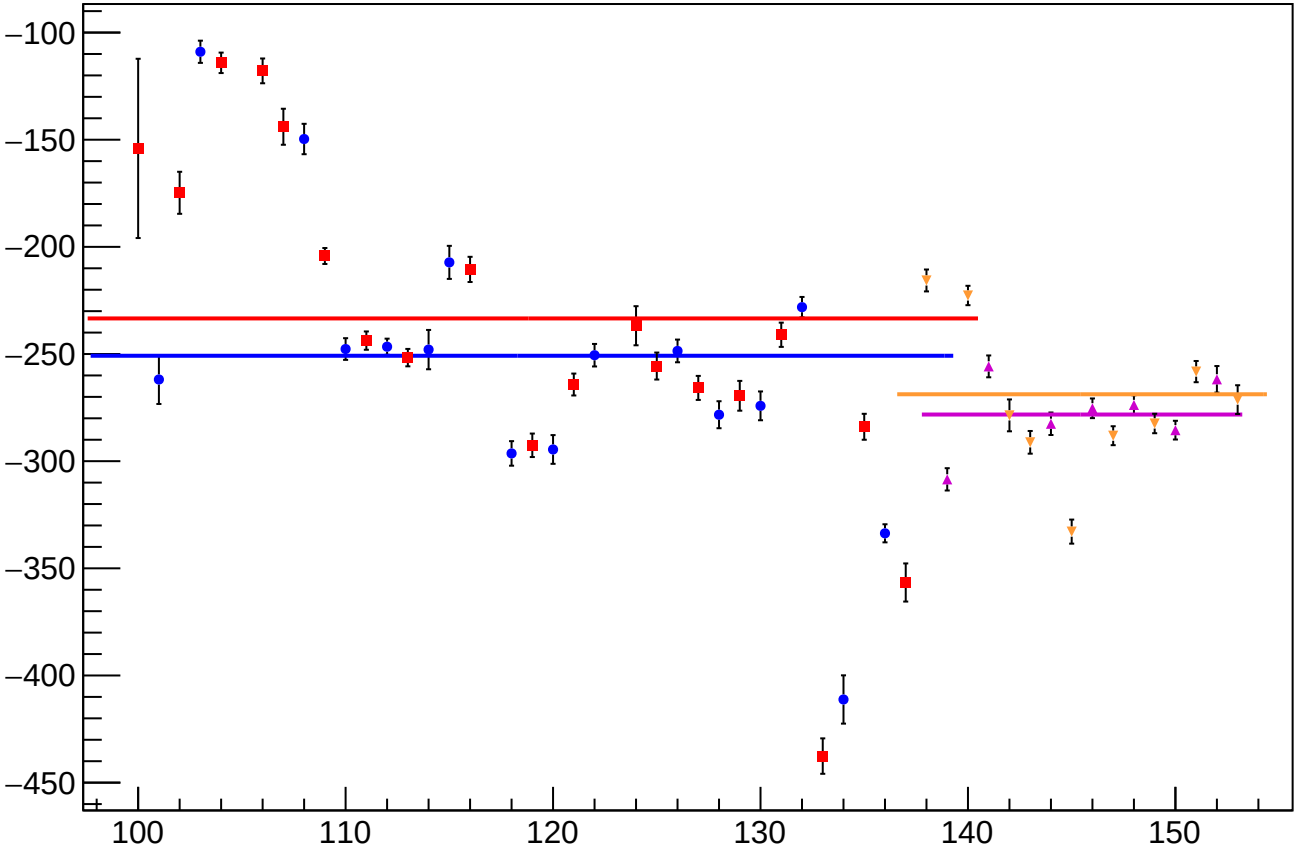
Left In: 134.470+/-0.069 χ^2/NDF:4993.9/6

+ sign 109.783+/-0.047 χ^2/NDF: 811216.4/24

All: 109.822+/-0.033 χ^2/NDF: 1431761.4/50

- sign 109.862+/-0.048 χ^2/NDF: 620543.7/25

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -268.780+/-1.726 χ^2/NDF:394.9/8

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

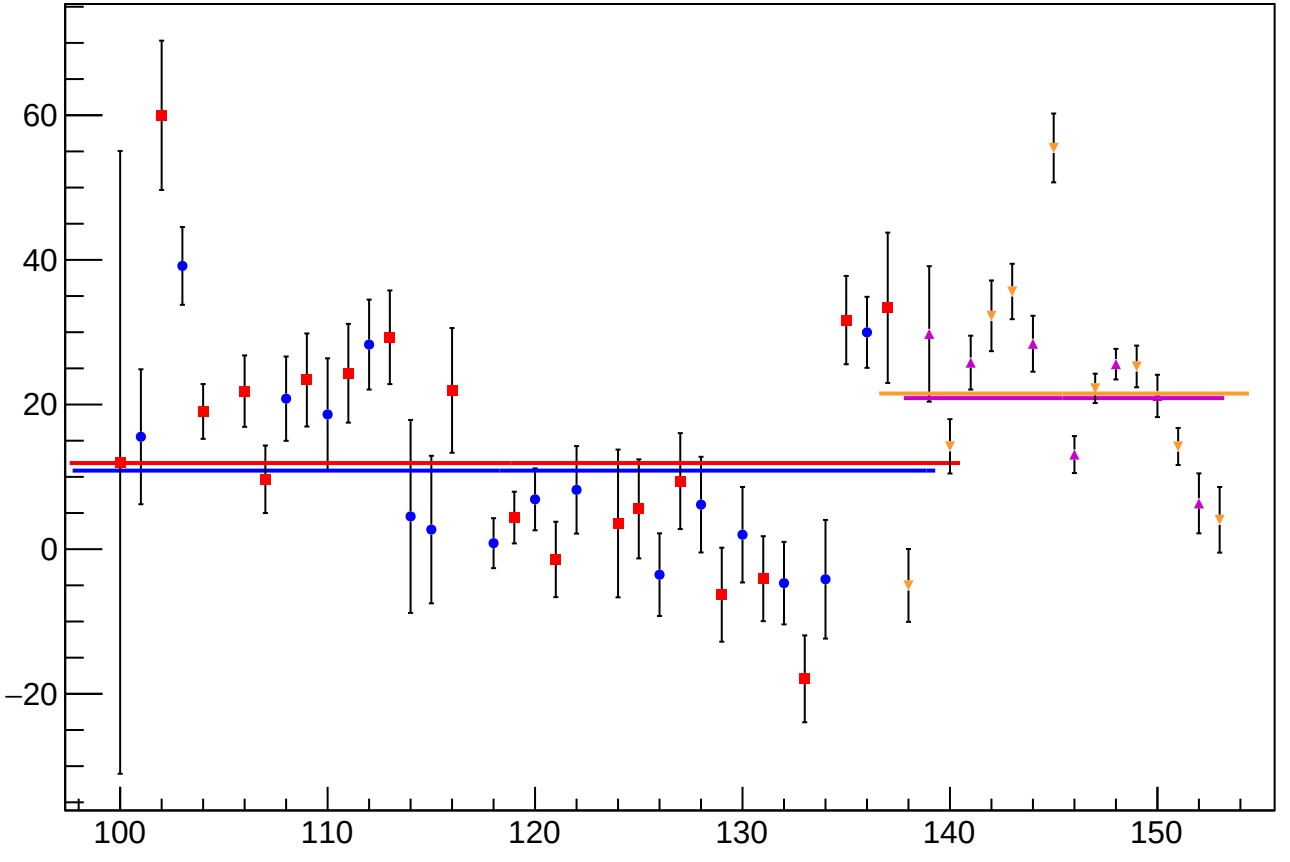
Left In: -278.235+/-1.866 χ^2/NDF:65.1/6

+ sign -258.173+/-1.105 χ^2/NDF: 2194.5/24

All: -253.274+/-0.774 χ^2/NDF: 5059.0/50

- sign -248.553+/-1.085 χ^2/NDF: 2825.9/25

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 21.523+/-1.098 χ^2/NDF:125.7/8

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

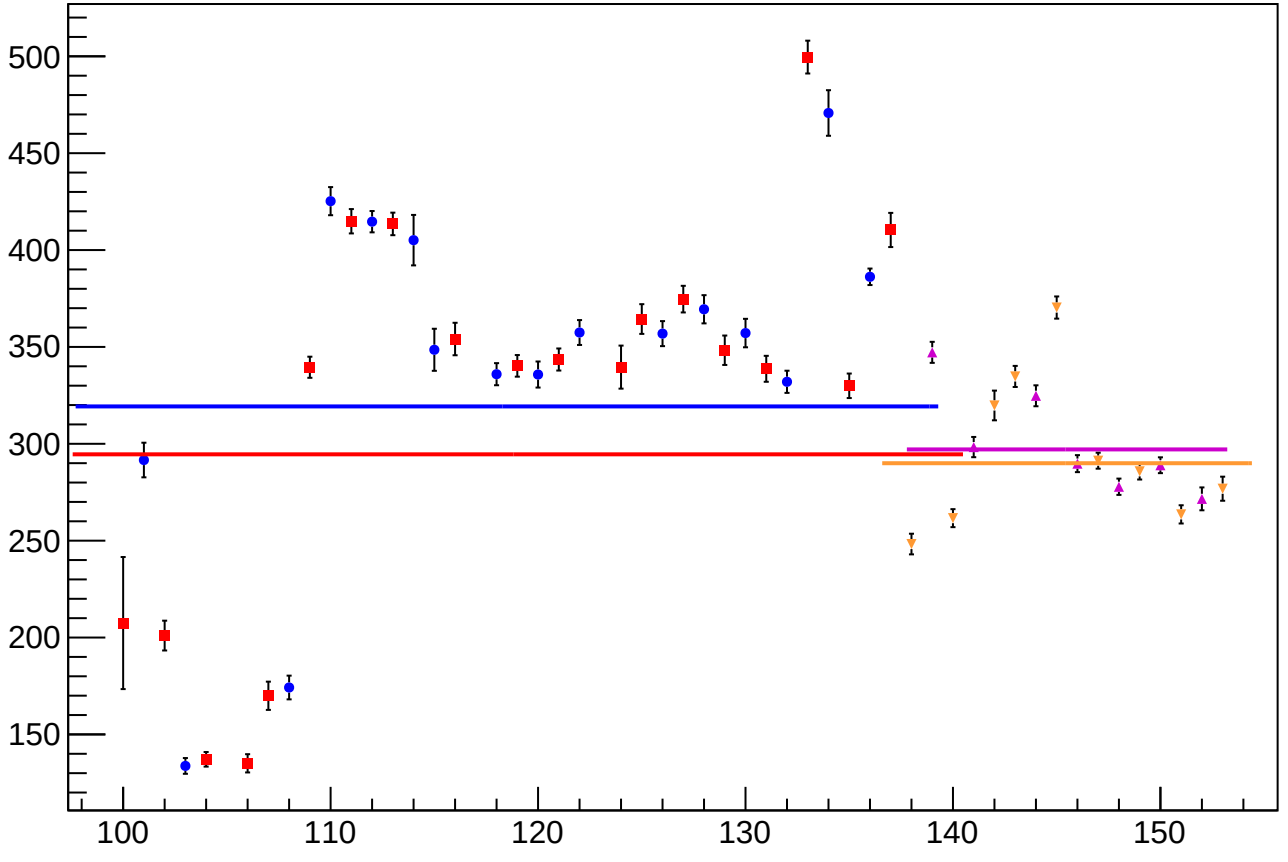
Left In: 20.888+/-1.194 χ^2/NDF:33.0/6

+ sign 17.708+/-0.880 χ^2/NDF: 244.1/24

All: 17.365+/-0.629 χ^2/NDF: 413.7/50

- sign 17.007+/-0.899 χ^2/NDF: 169.4/25

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 289.977+/-1.694 χ^2/NDF:415.2/8

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

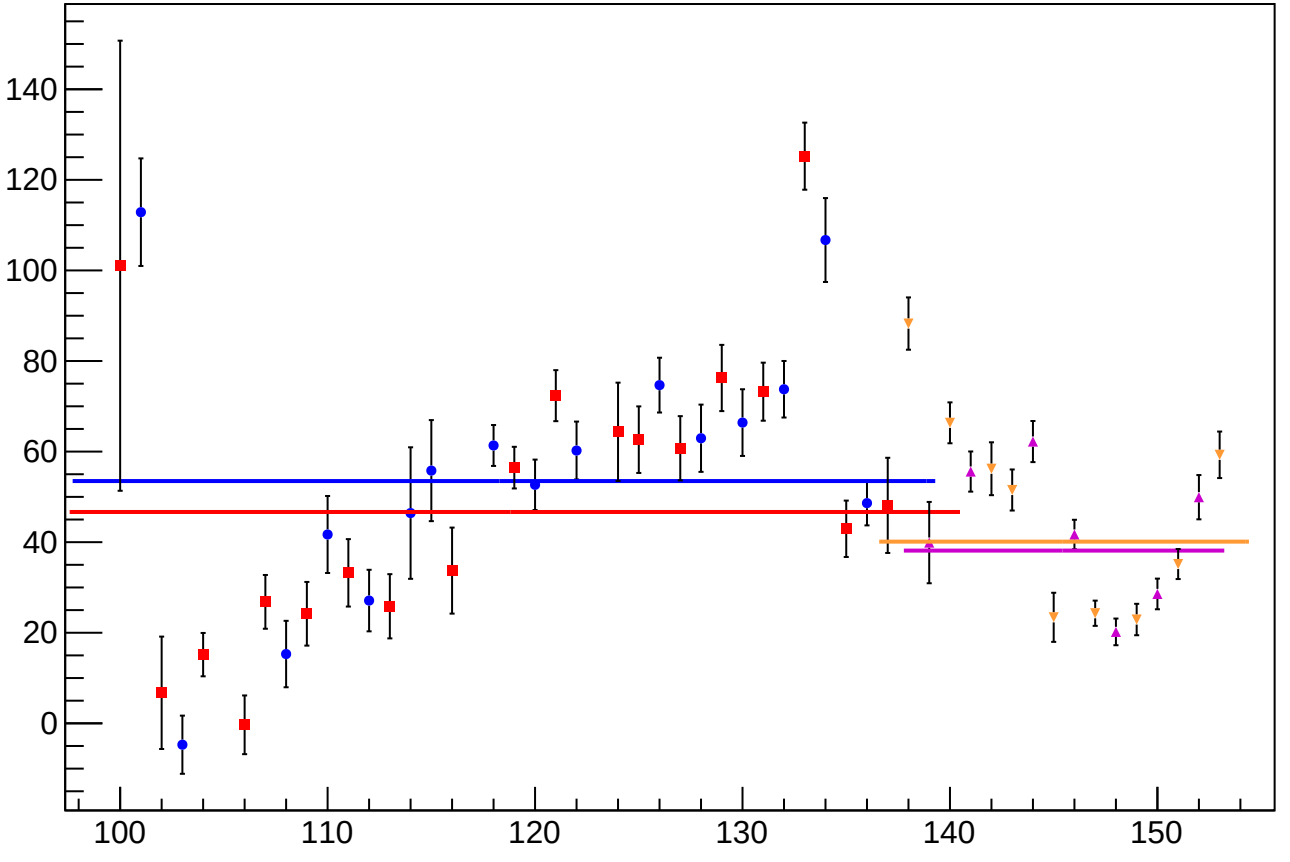
Left In: 297.101+/-1.820 χ^2/NDF:158.1/6

+ sign 305.600+/-1.158 χ^2/NDF: 4367.7/24

All: 300.550+/-0.816 χ^2/NDF: 10067.9/50

- sign 295.577+/-1.149 χ^2/NDF: 5662.4/25

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 40.119+/-1.371 χ^2/NDF:199.7/8

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

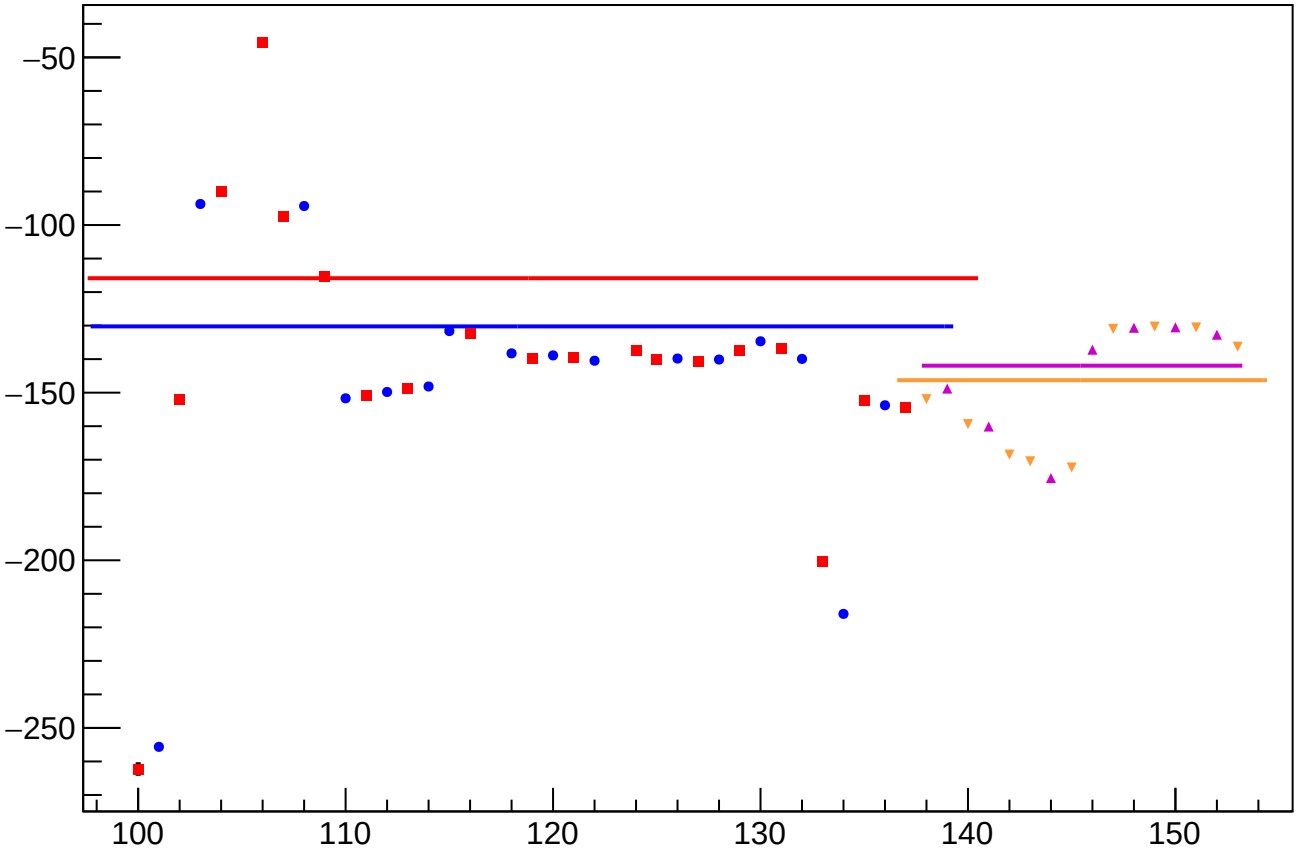
Left In: 38.140+/-1.490 χ^2/NDF:95.8/6

+ sign 45.396+/-1.067 χ^2/NDF: 454.4/24

All: 43.789+/-0.762 χ^2/NDF: 895.8/50

- sign 42.117+/-1.088 χ^2/NDF: 436.7/25

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -146.281+/-0.070 χ^2/NDF:58510.2/8

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

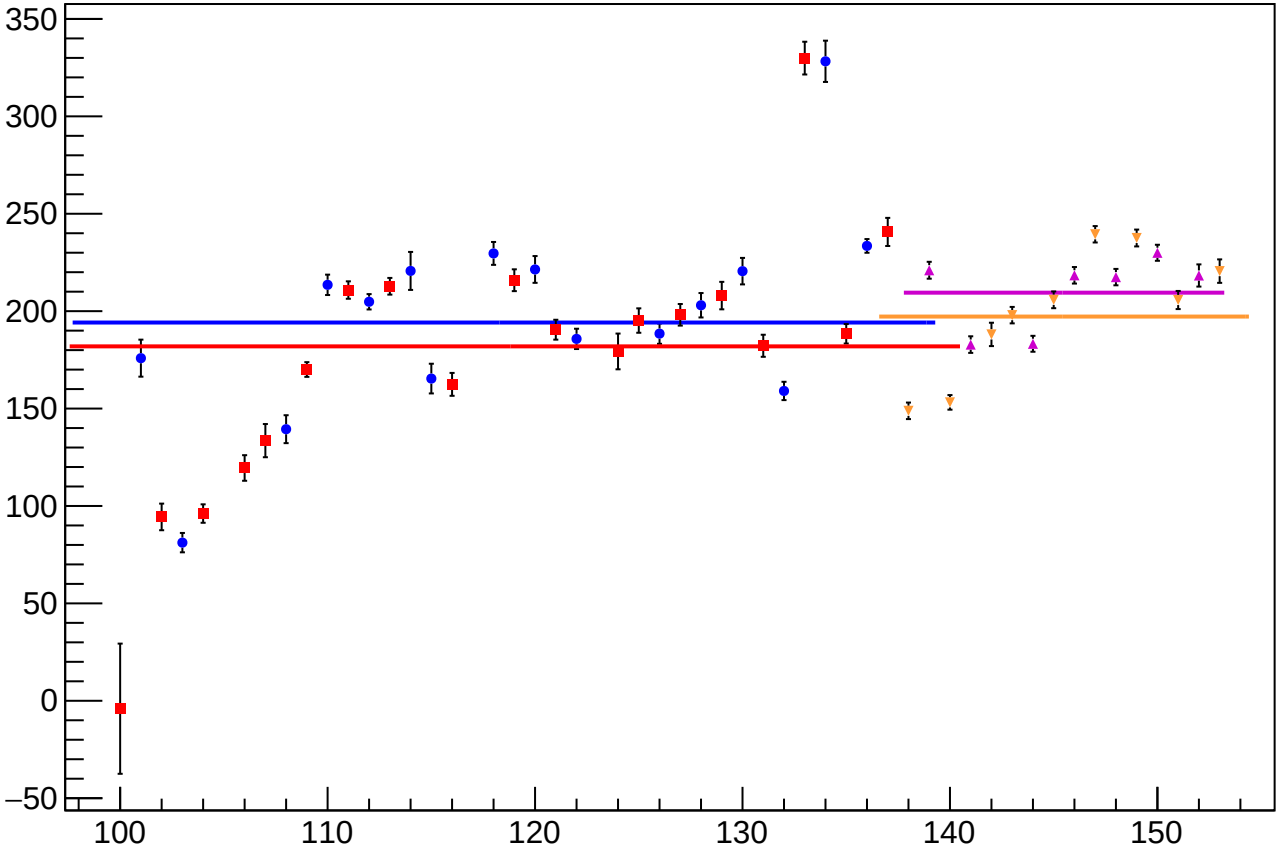
Left In: -141.950+/-0.073 χ^2/NDF:39296.9/6

+ sign -140.354+/-0.055 χ^2/NDF: 252287.1/24

All: -135.681+/-0.039 χ^2/NDF: 565396.2/50

- sign -130.960+/-0.056 χ^2/NDF: 298783.5/25

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 197.227+/-1.493 χ^2/NDF:480.6/8

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

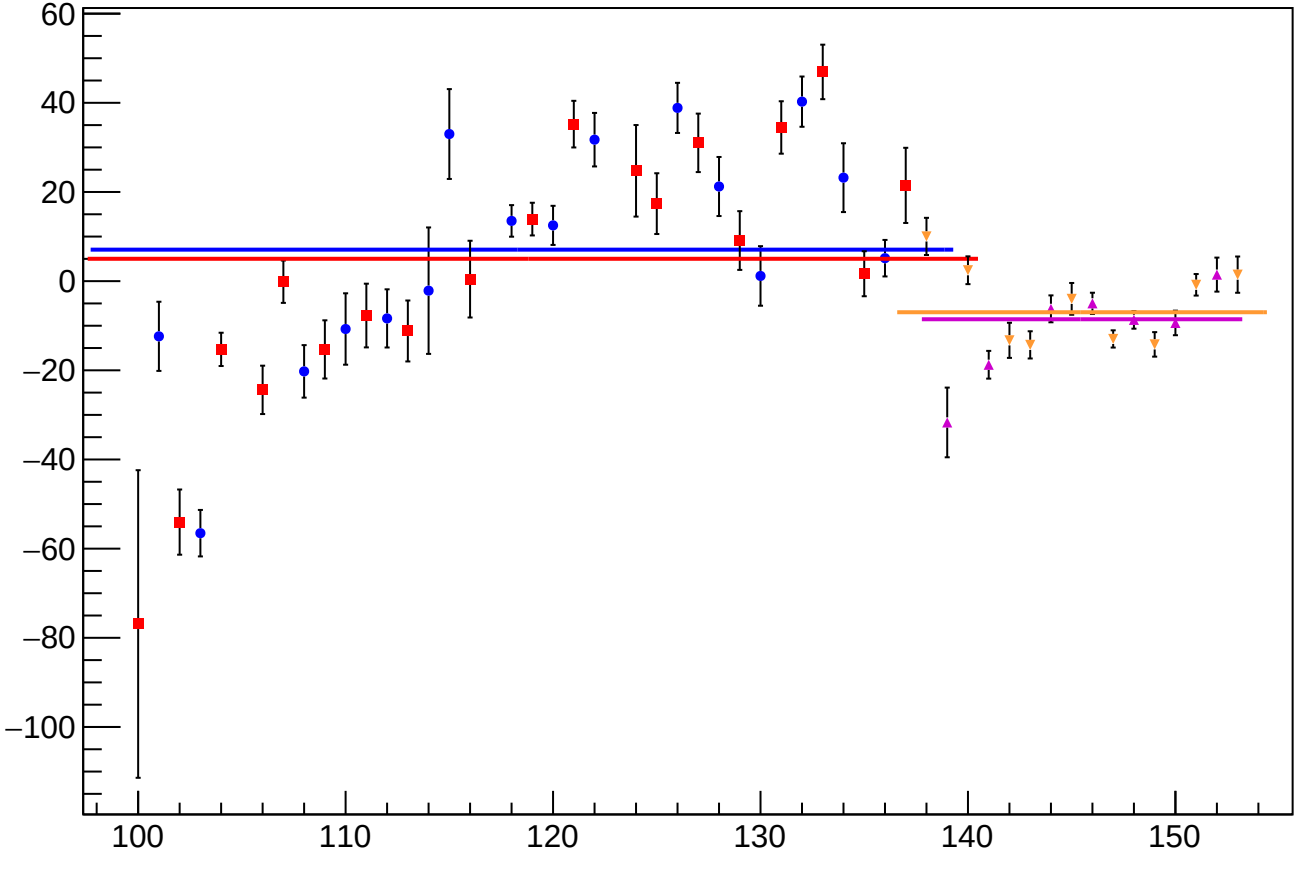
Left In: 209.490+/-1.643 χ^2/NDF:122.7/6

+ sign 195.604+/-1.024 χ^2/NDF: 1518.0/24

All: 194.188+/-0.726 χ^2/NDF: 3020.2/50

- sign 192.755+/-1.030 χ^2/NDF: 1498.3/25

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -6.973+/-0.979 χ^2/NDF:62.1/8

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

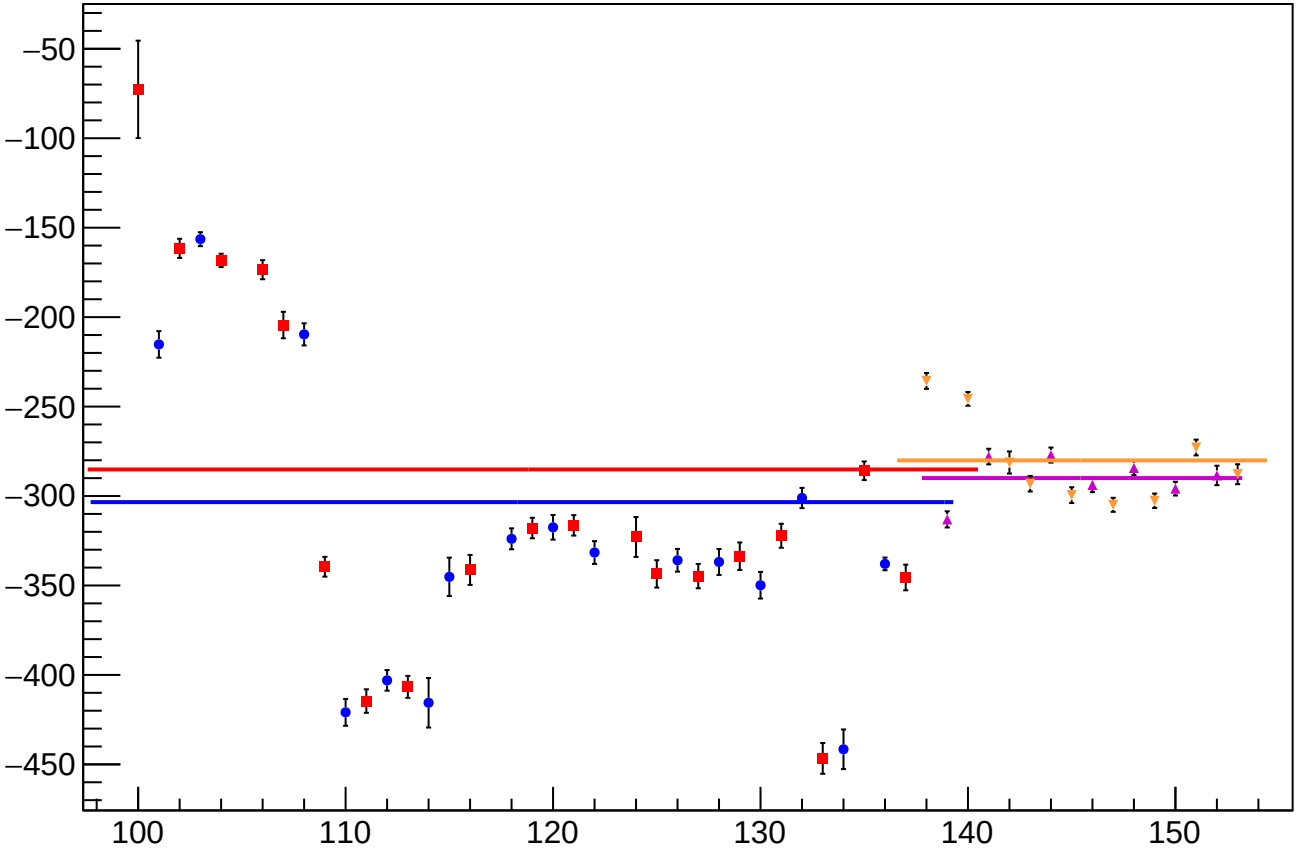
Left In: -8.548+/-1.078 χ^2/NDF:29.3/6

+ sign -2.544+/-0.810 χ^2/NDF: 419.4/24

All: -2.903+/-0.584 χ^2/NDF: 799.1/50

- sign -3.291+/-0.843 χ^2/NDF: 379.3/25

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -280.102+/-1.477 χ^2/NDF:284.7/8

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

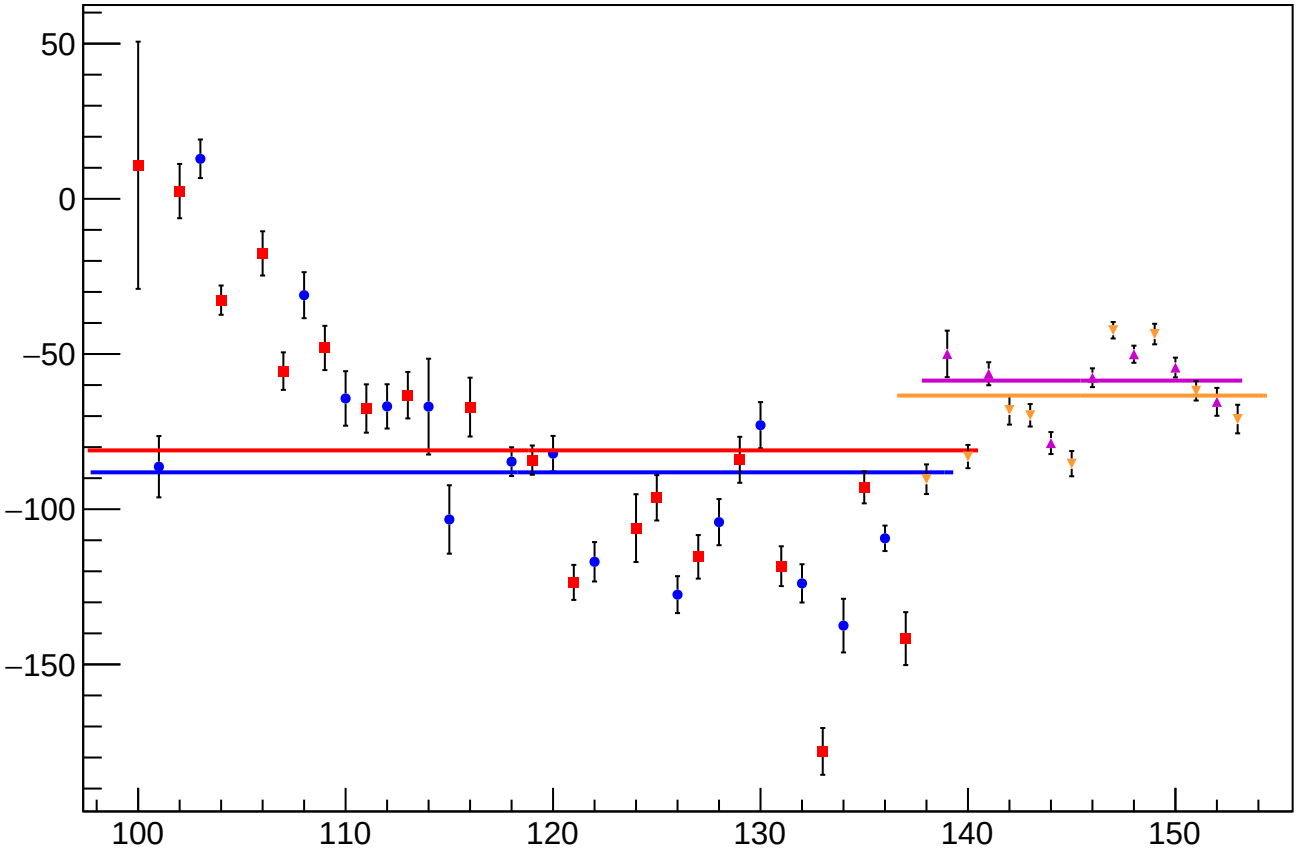
Left In: -289.945+/-1.612 χ^2/NDF:48.4/6

+ sign -291.343+/-1.063 χ^2/NDF: 3190.3/24

All: -289.349+/-0.757 χ^2/NDF: 7005.5/50

- sign -287.295+/-1.079 χ^2/NDF: 3808.1/25

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -63.389+/-1.213 χ^2/NDF:194.2/8

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

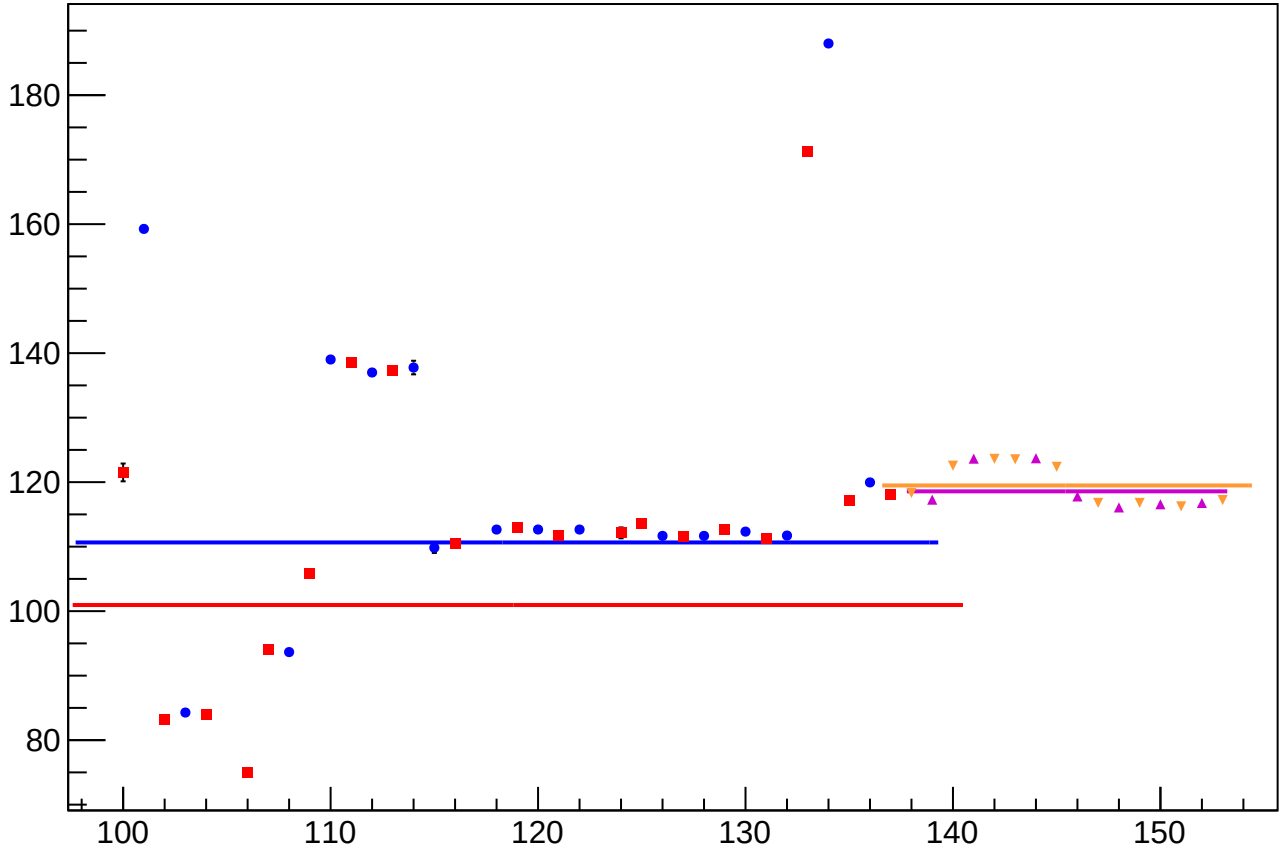
Left In: -58.564+/-1.338 χ^2/NDF:47.7/6

+ sign -72.032+/-0.978 χ^2/NDF: 851.4/24

All: -70.109+/-0.705 χ^2/NDF: 1703.5/50

- sign -68.028+/-1.018 χ^2/NDF: 844.1/25

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 119.489+/-0.061 χ^2/NDF:2375.6/8

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

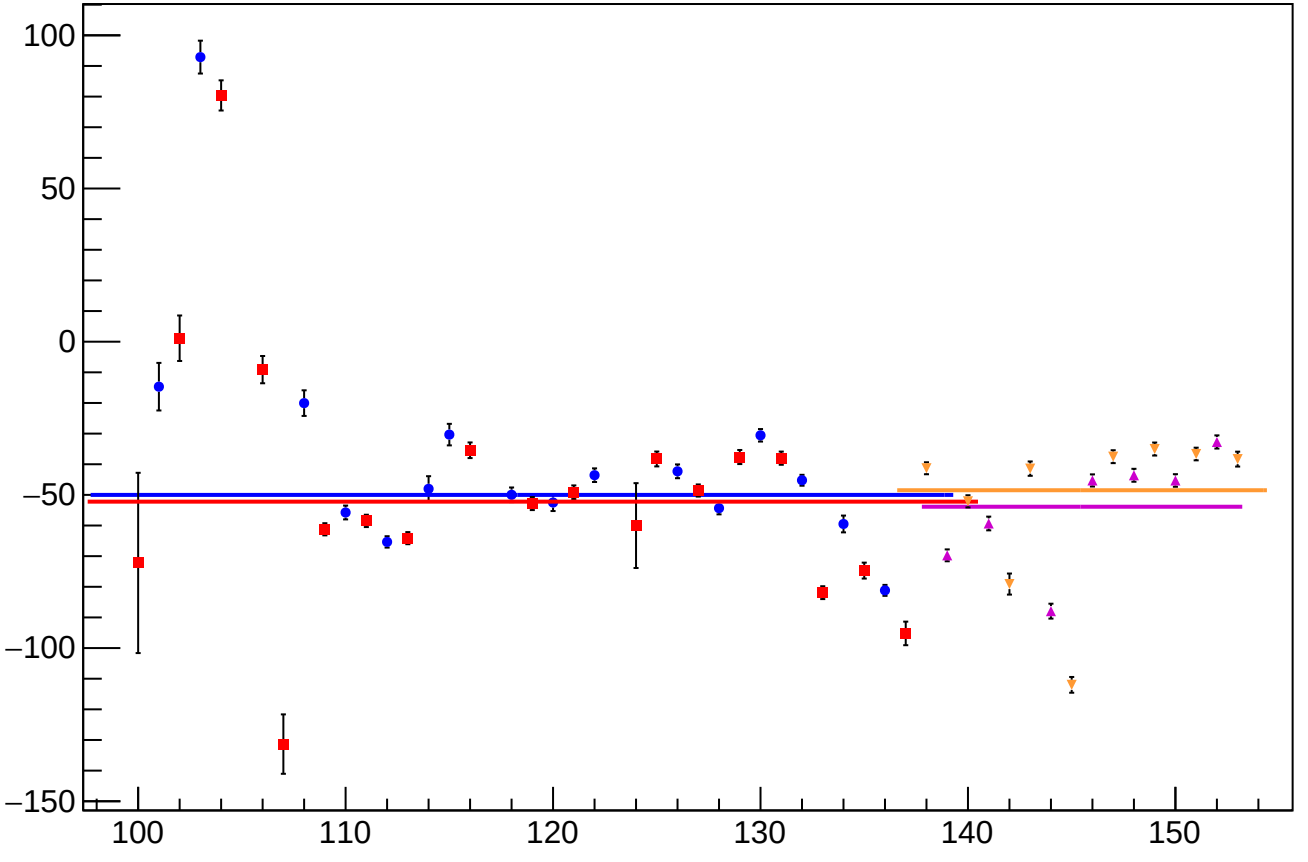
Left In: 118.573+/-0.065 χ^2/NDF:2126.5/6

+ sign 116.541+/-0.050 χ^2/NDF: 92965.4/24

All: 114.164+/-0.035 χ^2/NDF: 190649.5/50

- sign 111.683+/-0.051 χ^2/NDF: 92981.2/25

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -48.485+/-0.749 χ^2/NDF:832.3/8

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

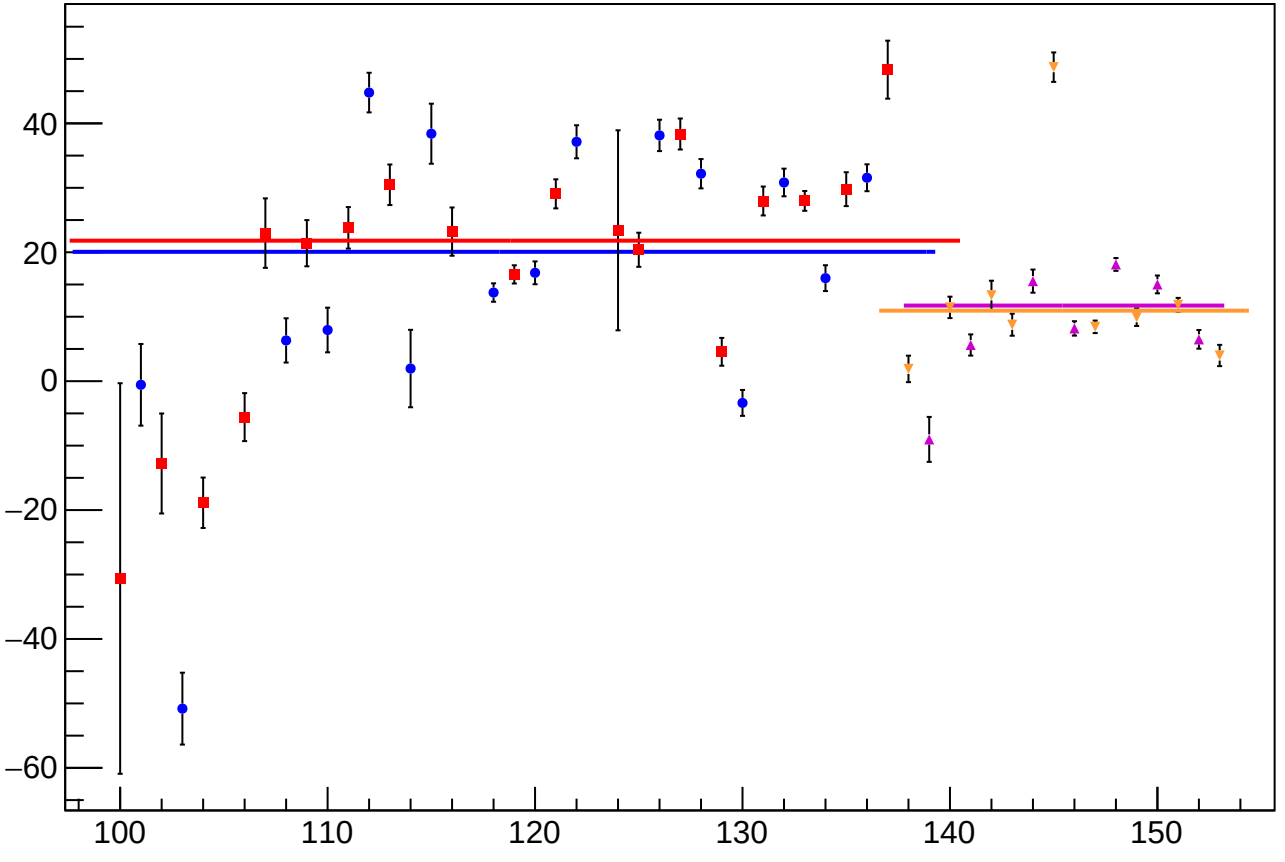
Left In: -53.869+/-0.800 χ^2/NDF:425.1/6

+ sign -49.400+/-0.473 χ^2/NDF: 2162.2/24

All: -51.072+/-0.338 χ^2/NDF: 4185.8/50

- sign -52.812+/-0.482 χ^2/NDF: 1998.1/25

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 10.940+/-0.490 χ^2/NDF:321.2/8

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

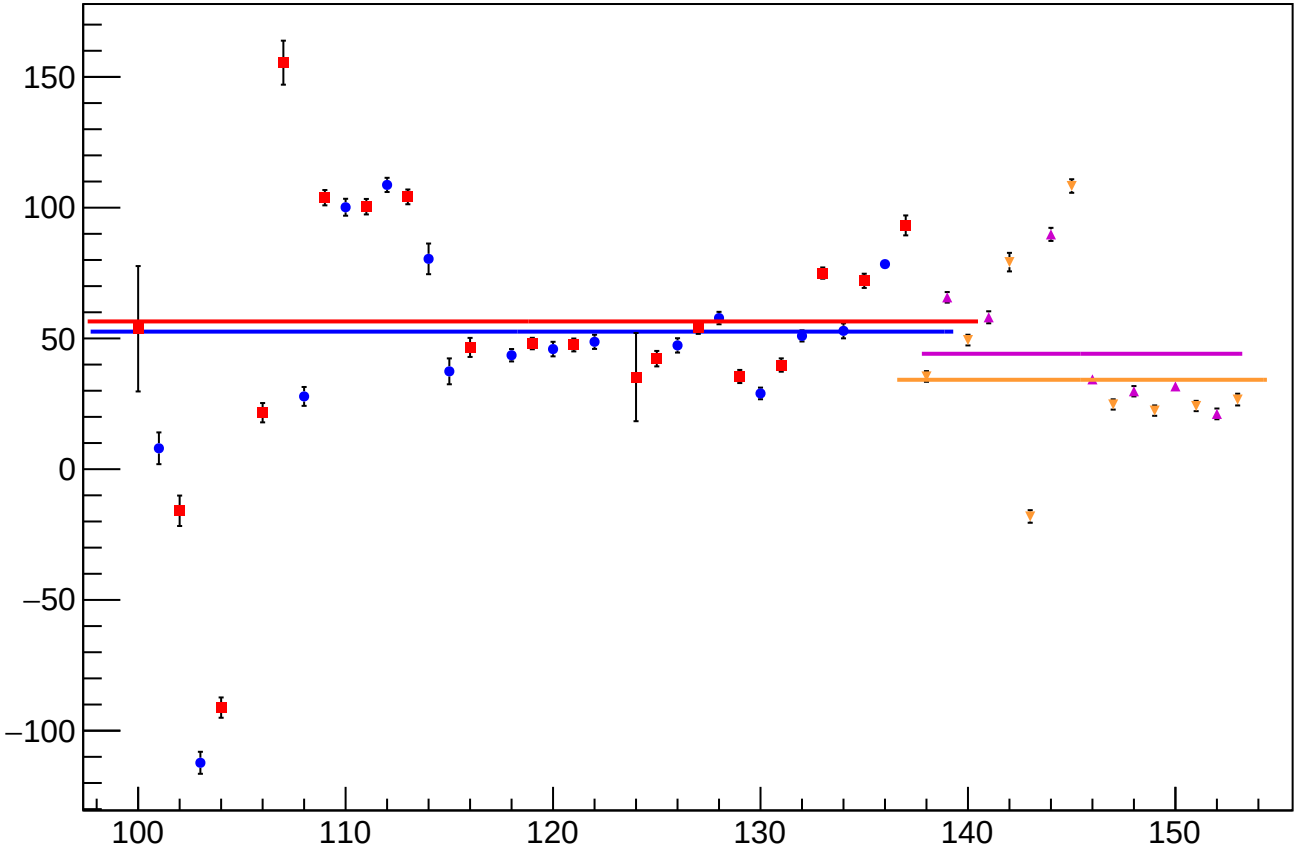
Left In: 11.733+/-0.529 χ^2/NDF:123.4/6

+ sign 14.508+/-0.383 χ^2/NDF: 1093.1/24

All: 15.197+/-0.277 χ^2/NDF: 1771.6/50

- sign 15.962+/-0.403 χ^2/NDF: 671.7/25

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 34.187+/-0.736 χ^2/NDF:1597.0/8

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

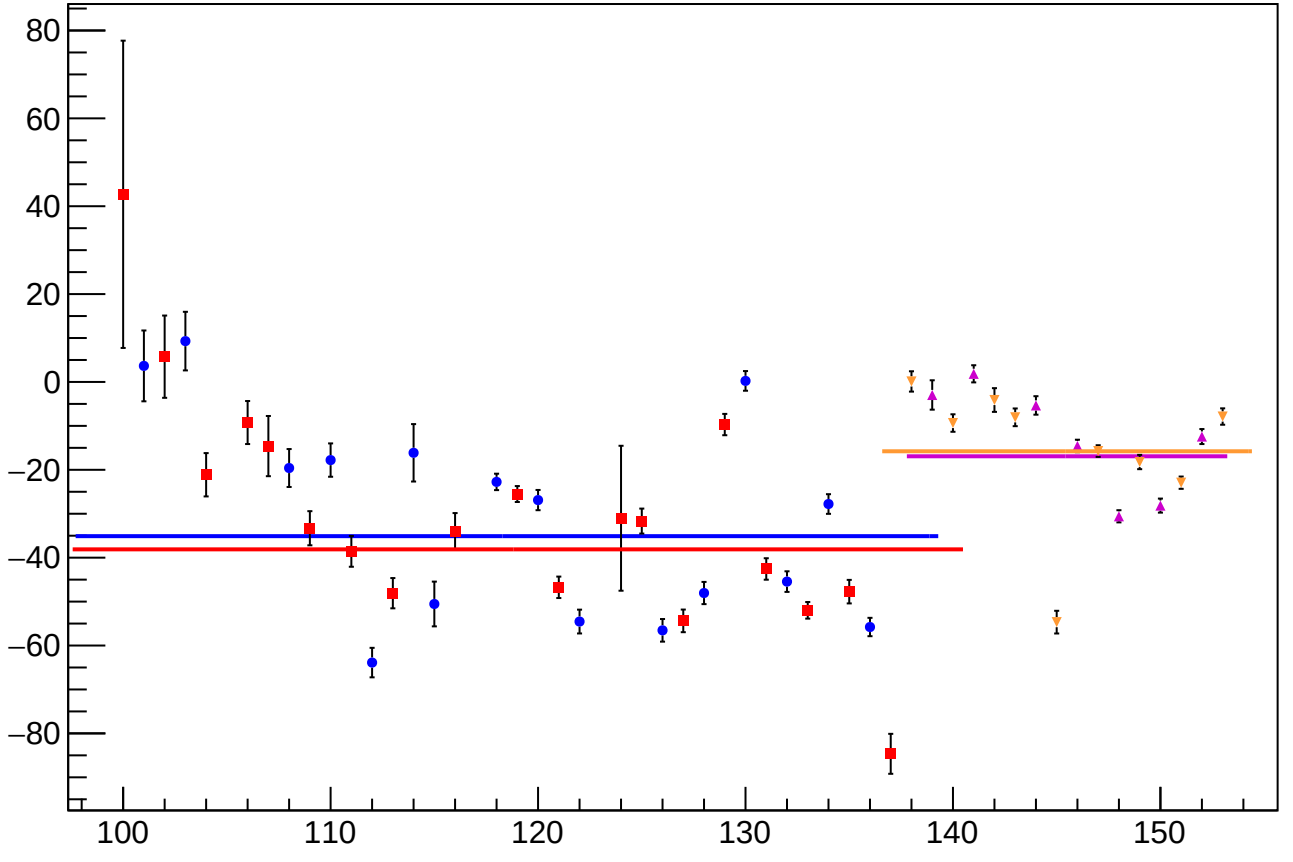
Left In: 44.134+/-0.783 χ^2/NDF:729.3/6

+ sign 43.902+/-0.506 χ^2/NDF: 4587.0/24

All: 47.304+/-0.364 χ^2/NDF: 8513.4/50

- sign 50.955+/-0.524 χ^2/NDF: 3832.6/25

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -15.783+/-0.607 χ^2/NDF:364.1/8

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

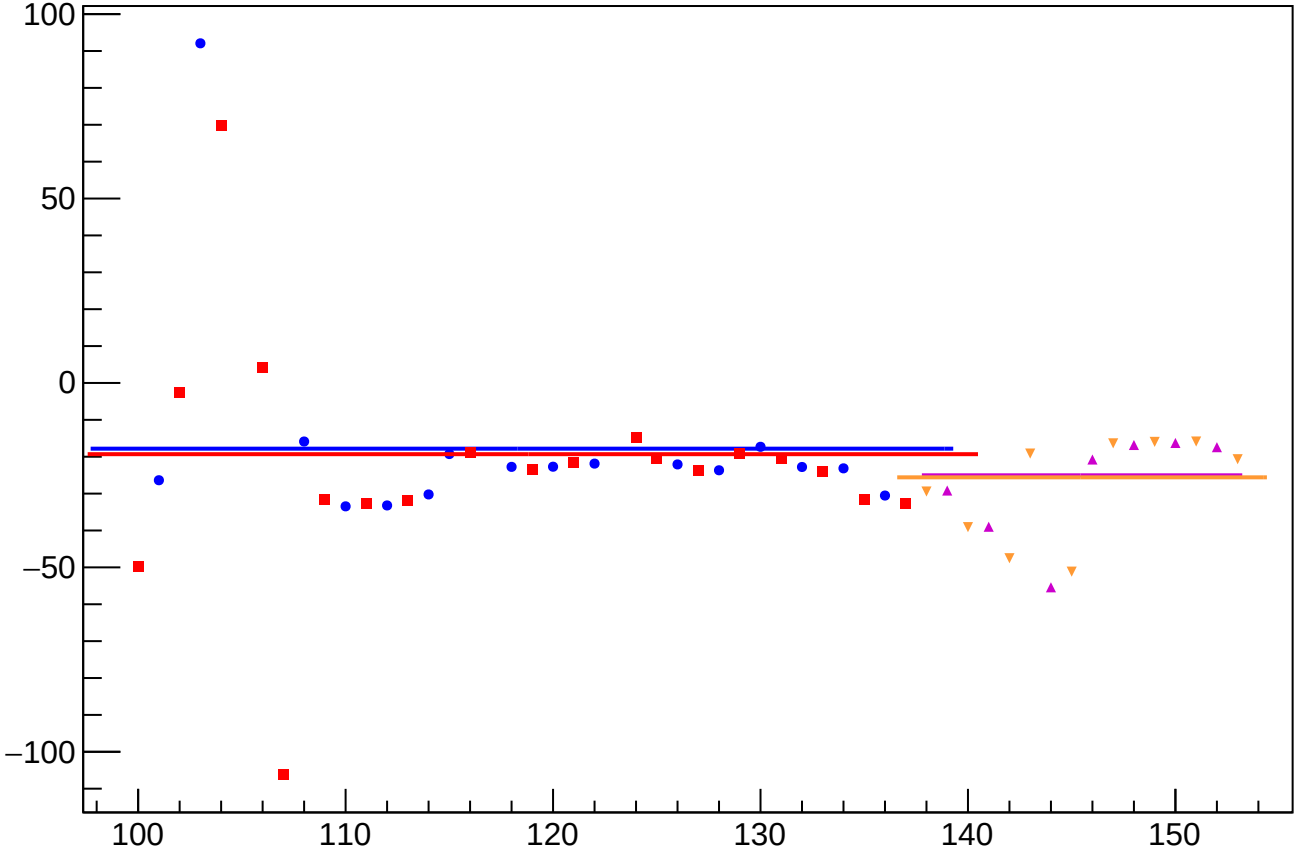
Left In: -16.923+/-0.656 χ^2/NDF:296.2/6

+ sign -24.076+/-0.459 χ^2/NDF: 1572.0/24

All: -25.281+/-0.333 χ^2/NDF: 2875.1/50

- sign -26.617+/-0.483 χ^2/NDF: 1288.5/25

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -25.590+/-0.030 χ^2/NDF:158425.1/8

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

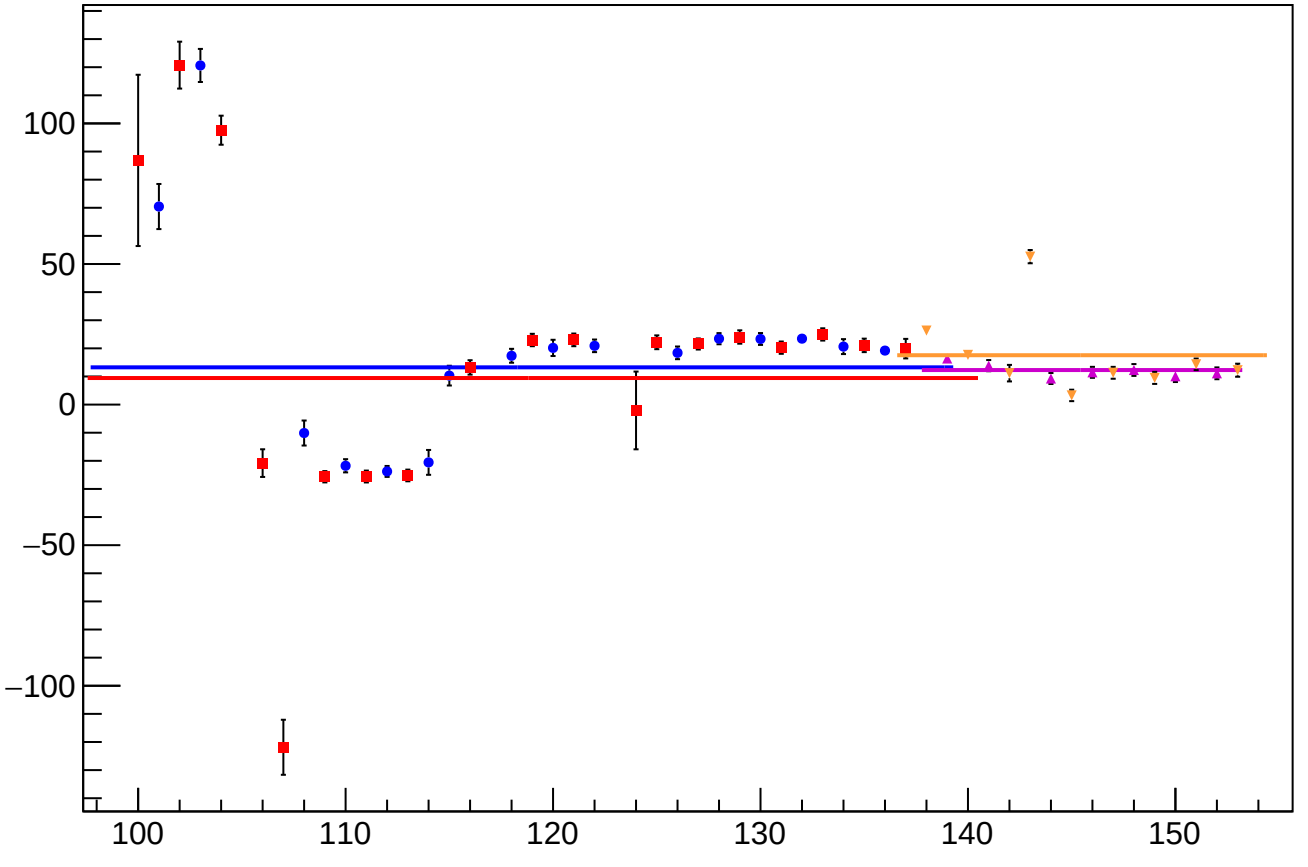
Left In: -25.040+/-0.031 χ^2/NDF:135209.4/6

+ sign -23.094+/-0.024 χ^2/NDF: 606478.0/24

All: -23.171+/-0.018 χ^2/NDF: 1096978.1/50

- sign -23.257+/-0.026 χ^2/NDF: 490479.0/25

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.560+/-0.701 χ^2/NDF:329.6/8

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

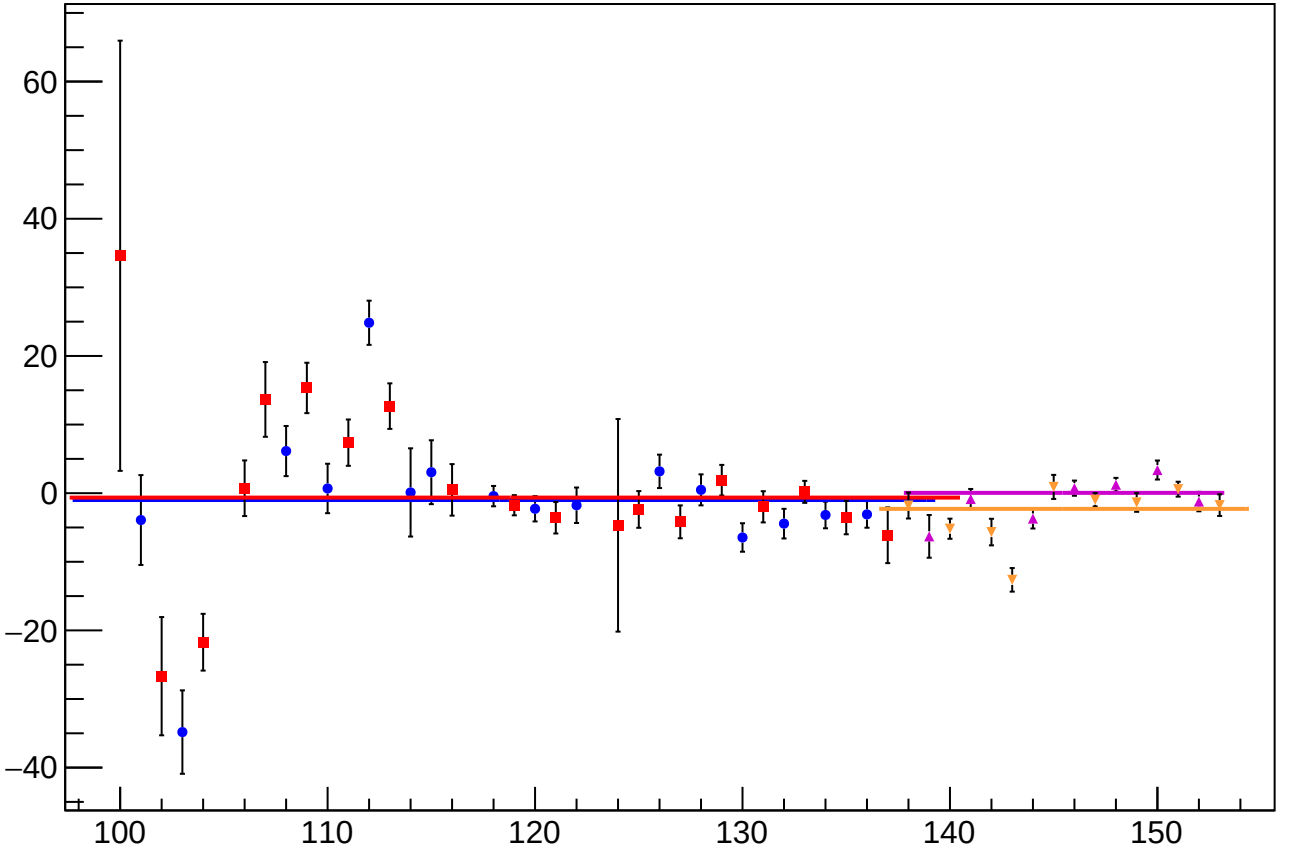
Left In: 12.287+/-0.745 χ^2/NDF:10.3/6

+ sign 15.124+/-0.462 χ^2/NDF: 1533.4/24

All: 12.921+/-0.331 χ^2/NDF: 3435.7/50

- sign 10.599+/-0.474 χ^2/NDF: 1855.6/25

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.289+/-0.471 χ^2/NDF:56.0/8

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

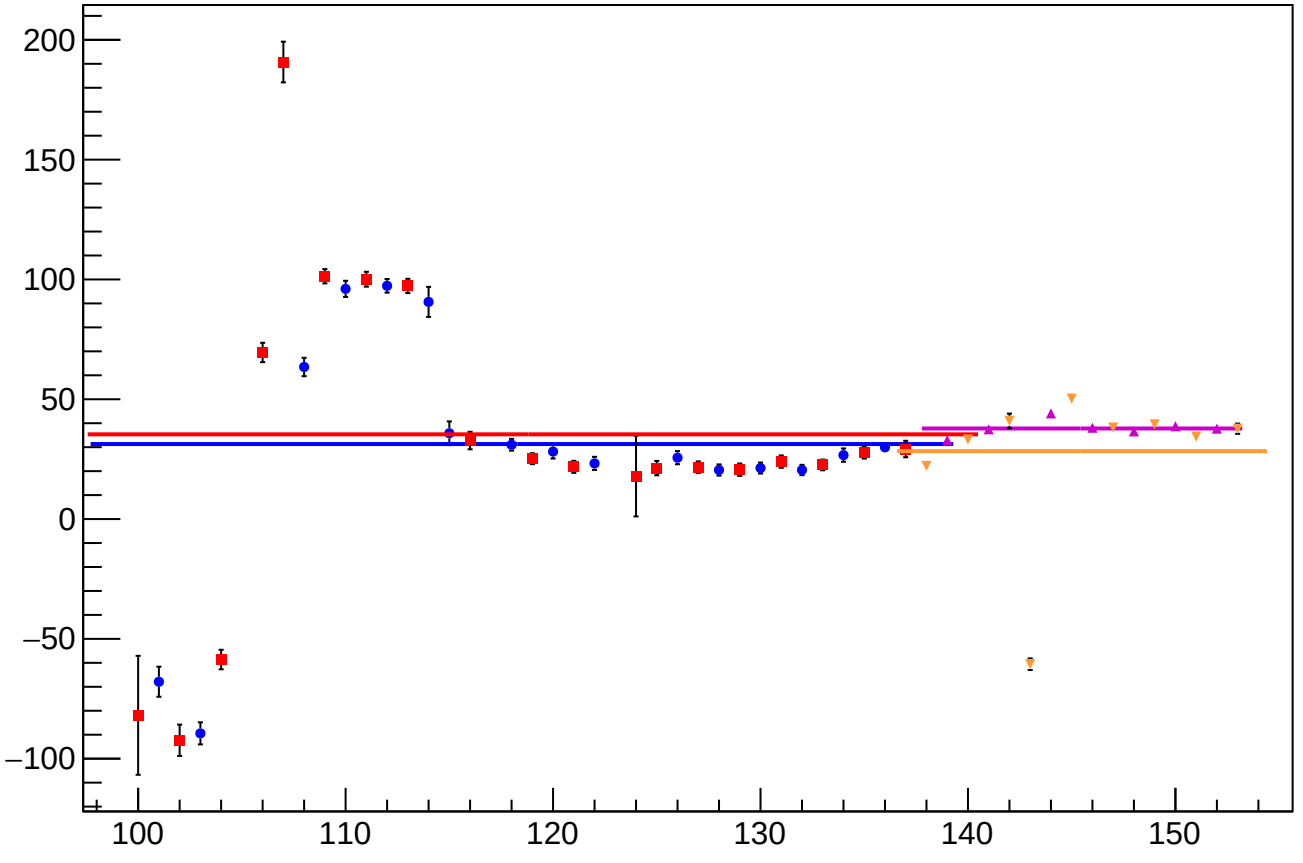
Left In: 0.046+/-0.507 χ^2/NDF:19.6/6

+ sign -1.815+/-0.375 χ^2/NDF: 175.1/24

All: -1.063+/-0.272 χ^2/NDF: 298.2/50

- sign -0.222+/-0.396 χ^2/NDF: 114.6/25

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 28.343+/-0.692 χ^2/NDF:1574.0/8

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

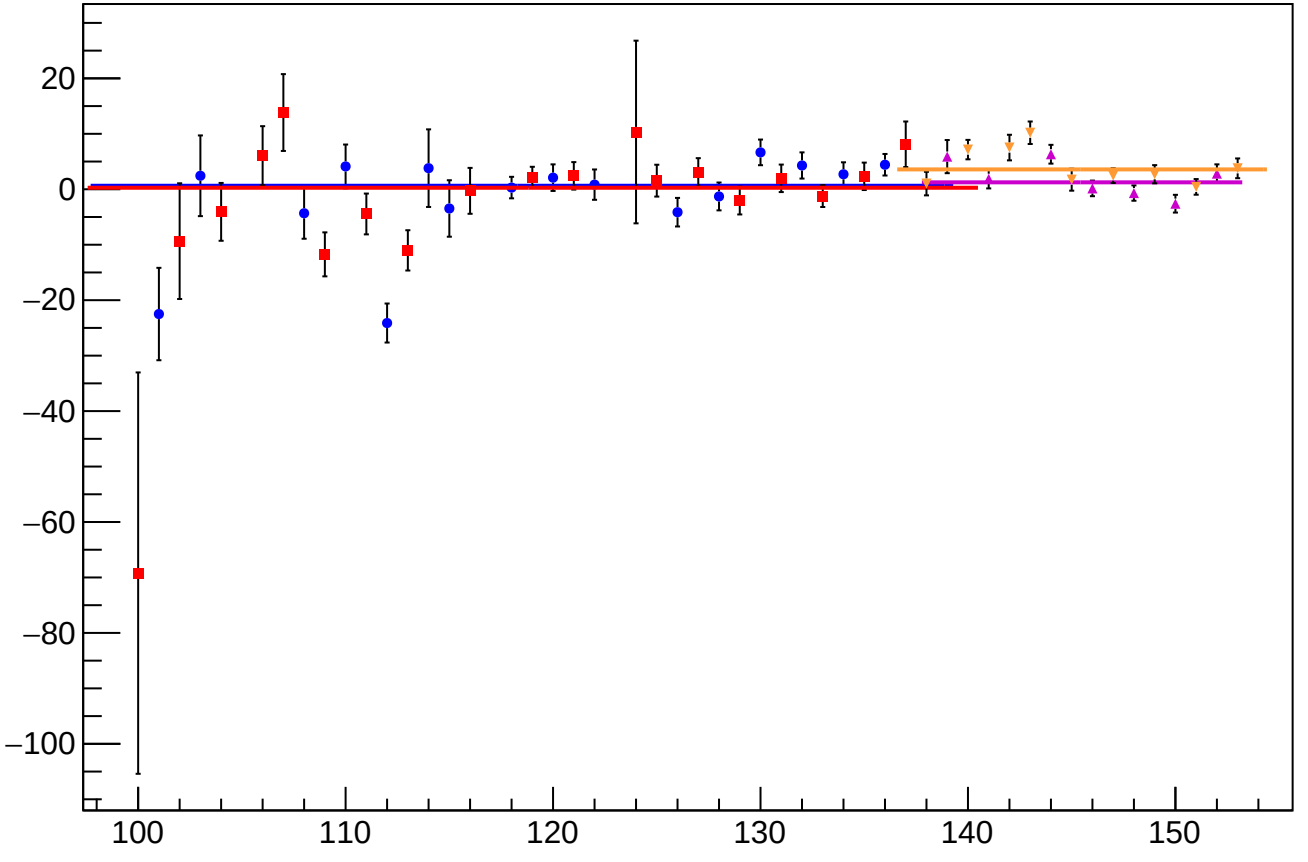
Left In: 37.804+/-0.734 χ^2/NDF:17.8/6

+ sign 29.809+/-0.492 χ^2/NDF: 3669.0/24

All: 33.046+/-0.355 χ^2/NDF: 6680.2/50

- sign 36.558+/-0.513 χ^2/NDF: 2921.1/25

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.582+/-0.579 χ^2/NDF:26.0/8

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

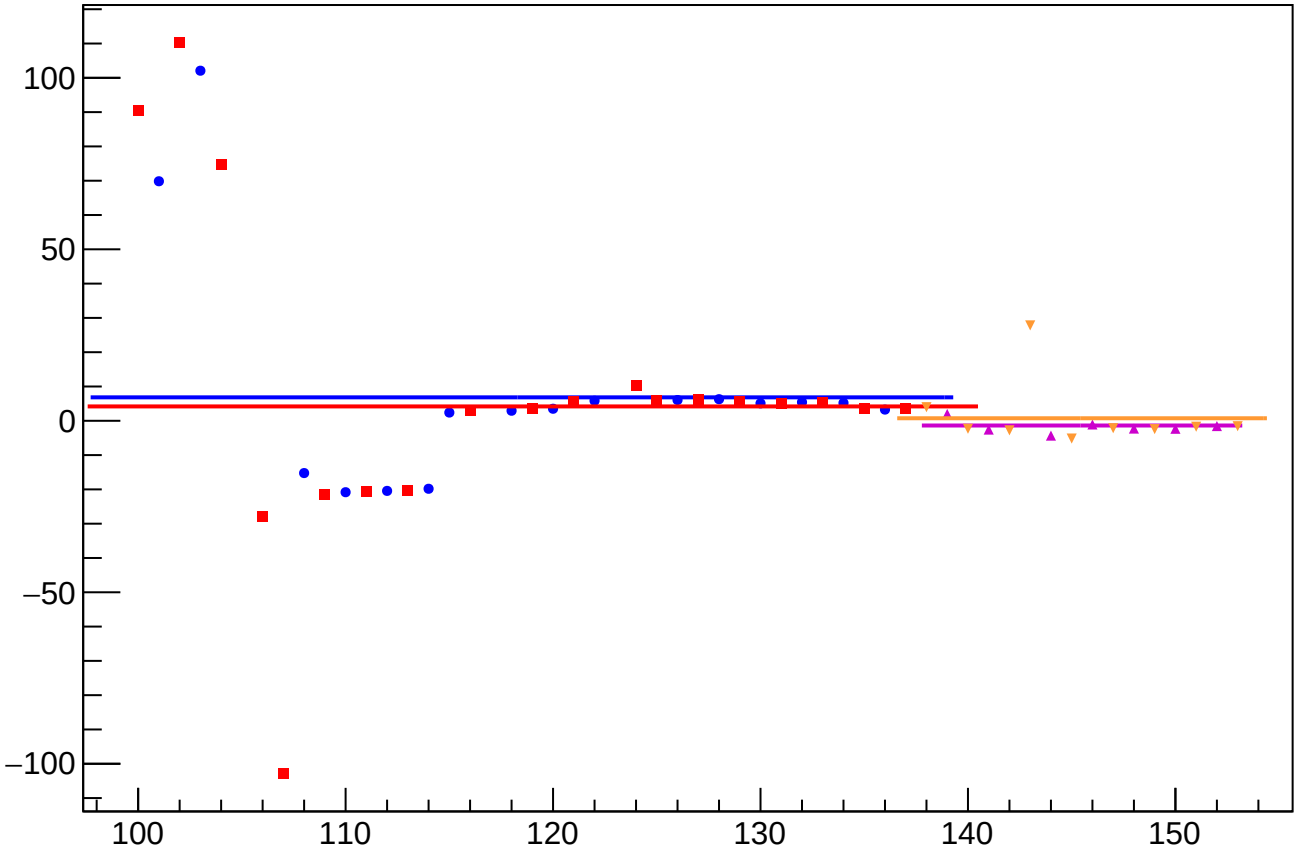
Left In: 1.251+/-0.624 χ^2/NDF:20.8/6

+ sign 2.393+/-0.447 χ^2/NDF: 114.9/24

All: 1.658+/-0.325 χ^2/NDF: 182.9/50

- sign 0.836+/-0.473 χ^2/NDF: 62.3/25

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.740+/-0.028 χ^2/NDF:86171.6/8

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

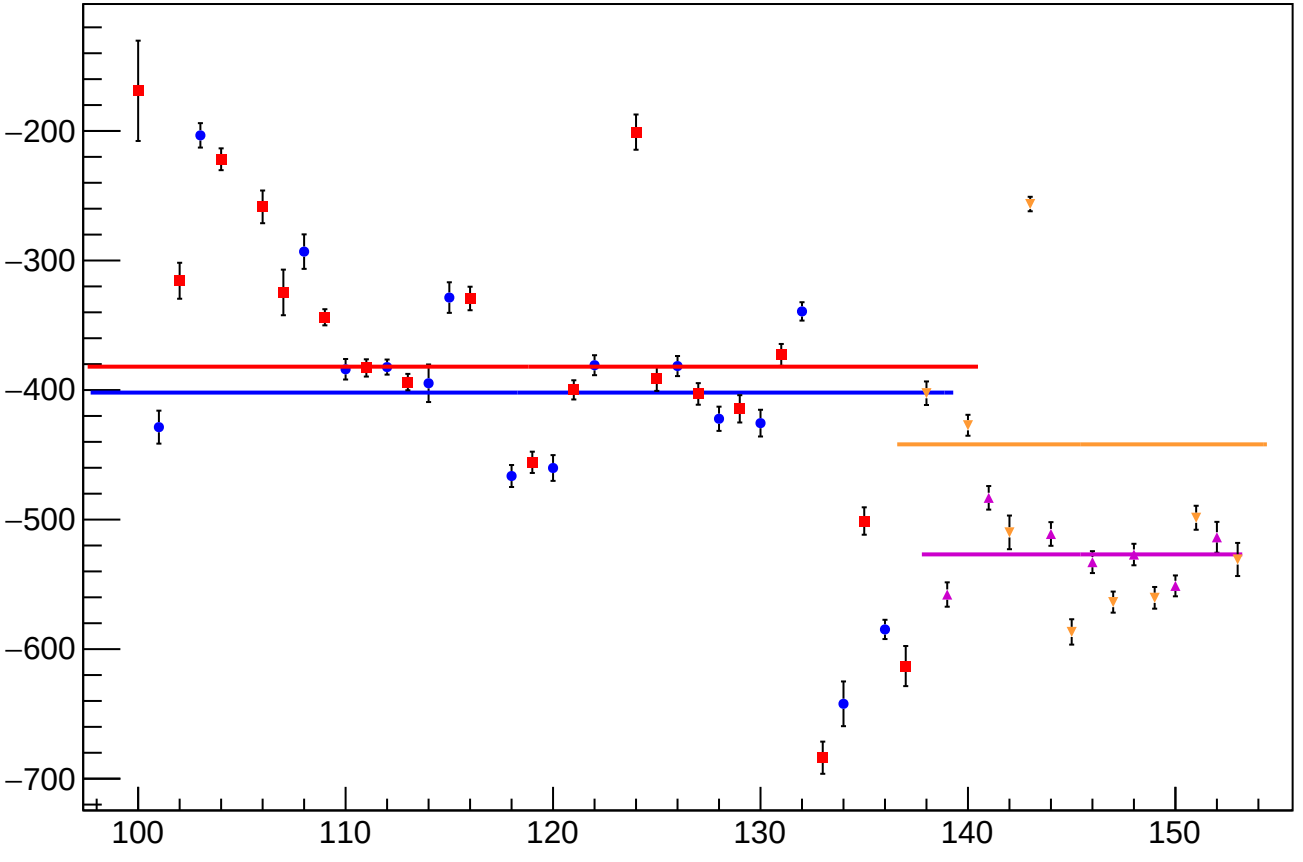
Left In: -1.373+/-0.029 χ^2/NDF:4330.1/6

+ sign 2.559+/-0.023 χ^2/NDF: 421338.7/24

All: 1.441+/-0.017 χ^2/NDF: 875379.1/50

- sign 0.202+/-0.025 χ^2/NDF: 449227.7/25

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -441.920+/-2.852 χ^2/NDF:1881.1/8

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

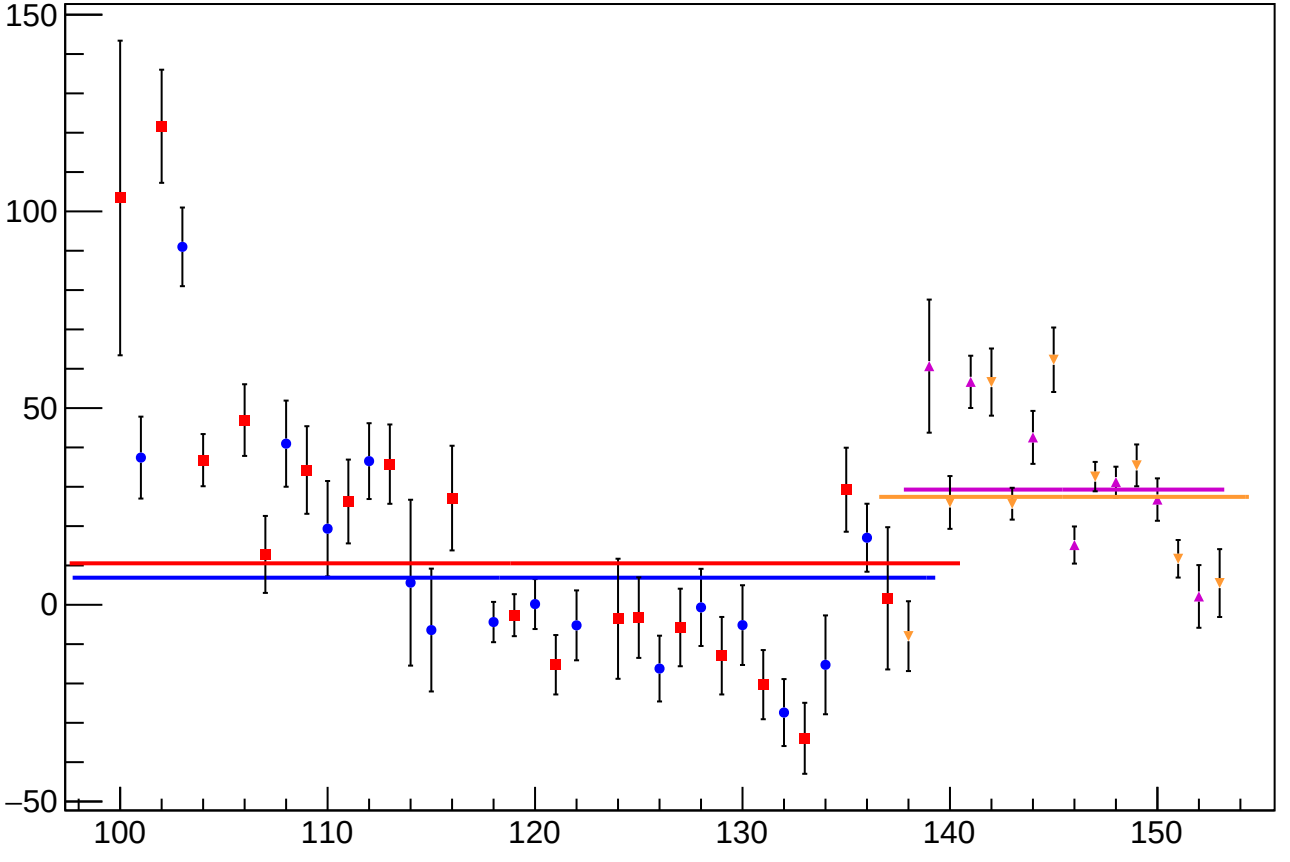
Left In: -526.865+/-3.402 χ^2/NDF:47.7/6

+ sign -417.174+/-1.760 χ^2/NDF: 3566.0/24

All: -419.821+/-1.259 χ^2/NDF: 6741.0/50

- sign -422.596+/-1.802 χ^2/NDF: 3170.3/25

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 27.435+/-1.860 χ^2/NDF:67.4/8

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

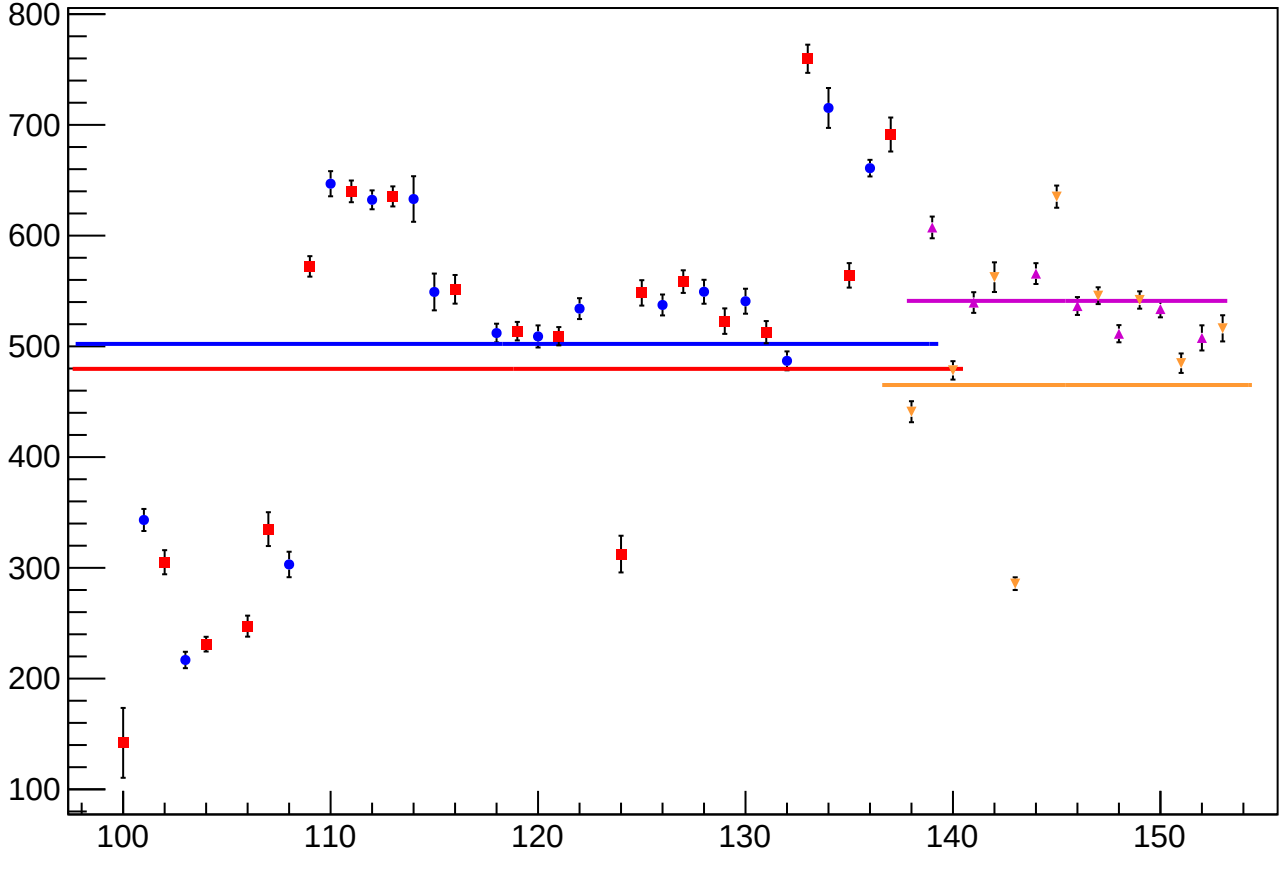
Left In: 29.288+/-2.188 χ^2/NDF:45.3/6

+ sign 19.154+/-1.437 χ^2/NDF: 255.0/24

All: 19.524+/-1.054 χ^2/NDF: 517.0/50

- sign 19.954+/-1.550 χ^2/NDF: 261.9/25

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 465.103+/-2.826 χ^2/NDF:1558.3/8

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

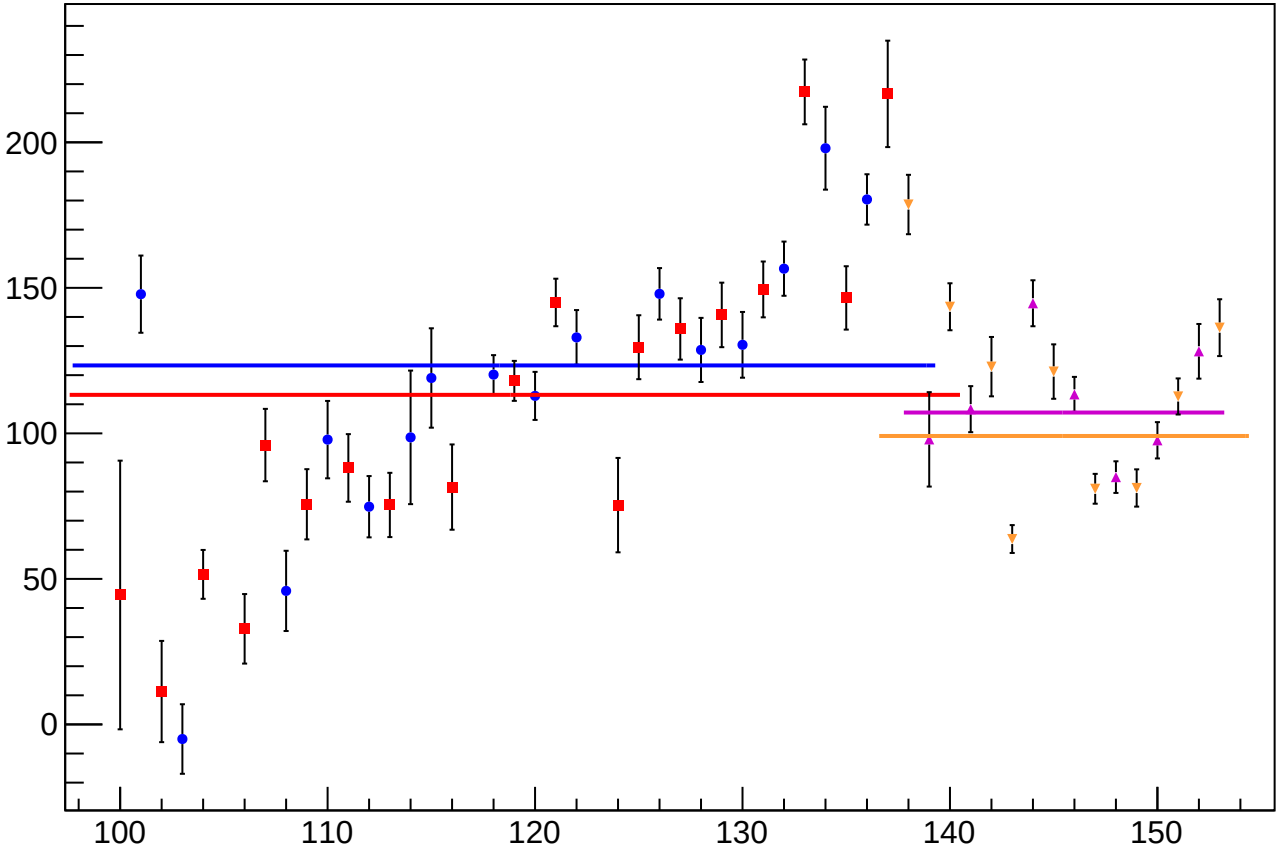
Left In: 541.065+/-3.324 χ^2/NDF:77.2/6

+ sign 485.972+/-1.869 χ^2/NDF: 4790.4/24

All: 493.047+/-1.348 χ^2/NDF: 9260.2/50

- sign 500.708+/-1.945 χ^2/NDF: 4440.0/25

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 99.103+/-2.303 χ^2/NDF:196.4/8

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

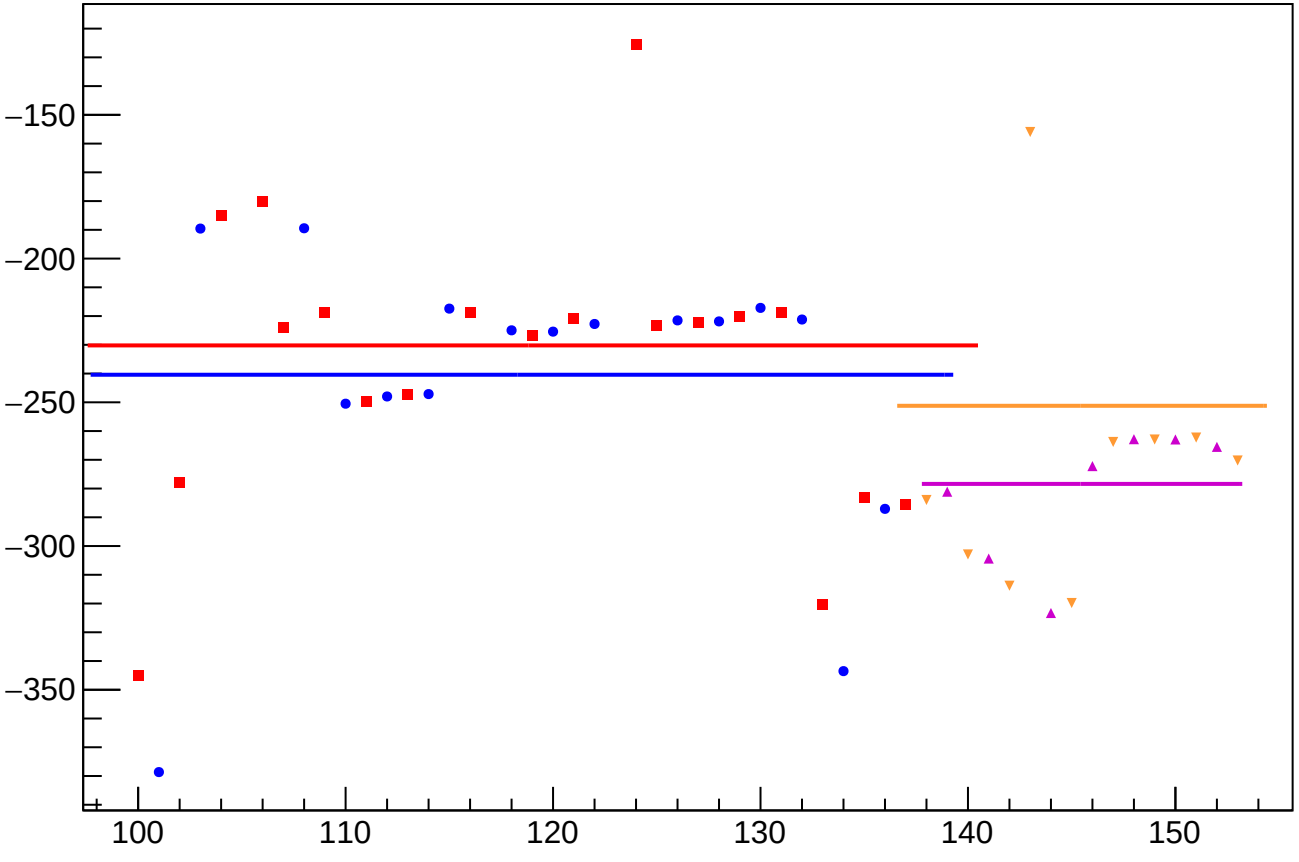
Left In: 107.160+/-2.728 χ^2/NDF:48.0/6

+ sign 109.637+/-1.732 χ^2/NDF: 515.9/24

All: 109.995+/-1.268 χ^2/NDF: 912.4/50

- sign 110.408+/-1.861 χ^2/NDF: 396.4/25

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -251.213+/-0.117 χ^2/NDF:233857.4/8

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

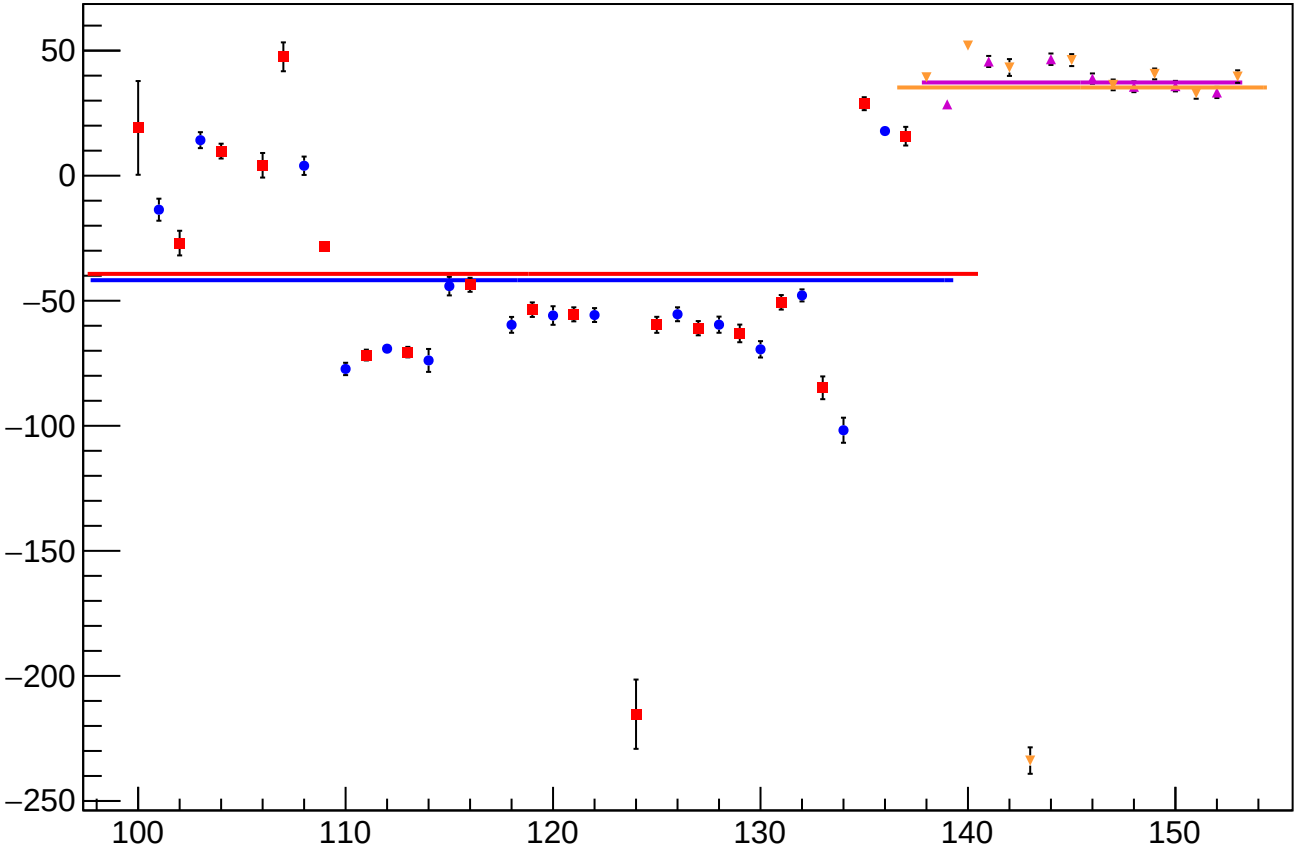
Left In: -278.386+/-0.134 χ^2/NDF:22360.7/6

+ sign -247.160+/-0.092 χ^2/NDF: 371223.3/24

All: -251.490+/-0.067 χ^2/NDF: 540678.3/50

- sign -256.458+/-0.099 χ^2/NDF: 164725.5/25

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 35.265+/-0.785 χ^2/NDF:2702.7/8

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

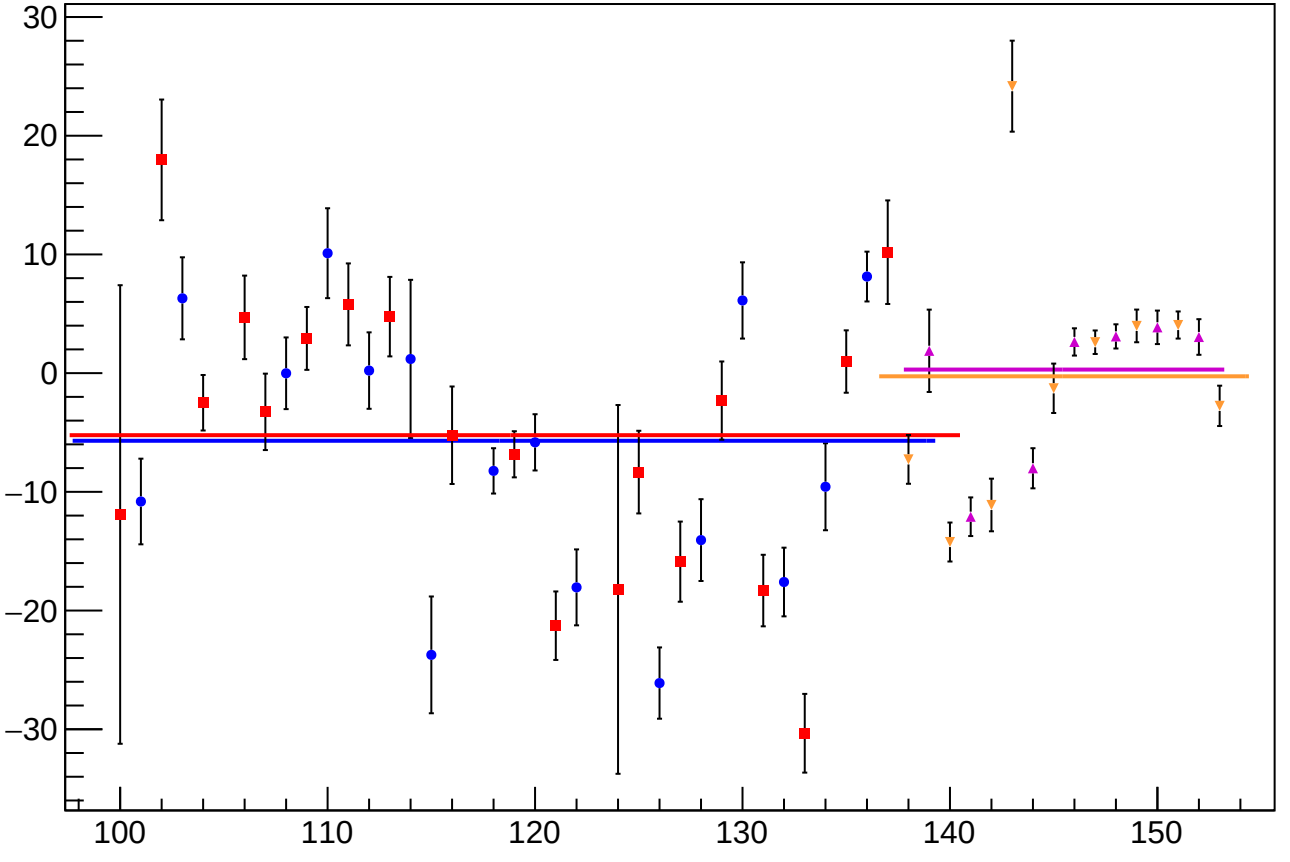
Left In: 37.266+/-0.804 χ^2/NDF:56.5/6

\+ sign -6.411+/-0.532 χ^2/NDF: 10321.1/24

All: -6.902+/-0.371 χ^2/NDF: 18141.7/50

\- sign -7.369+/-0.519 χ^2/NDF: 7818.9/25

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.267+/-0.515 χ^2/NDF:183.1/8

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

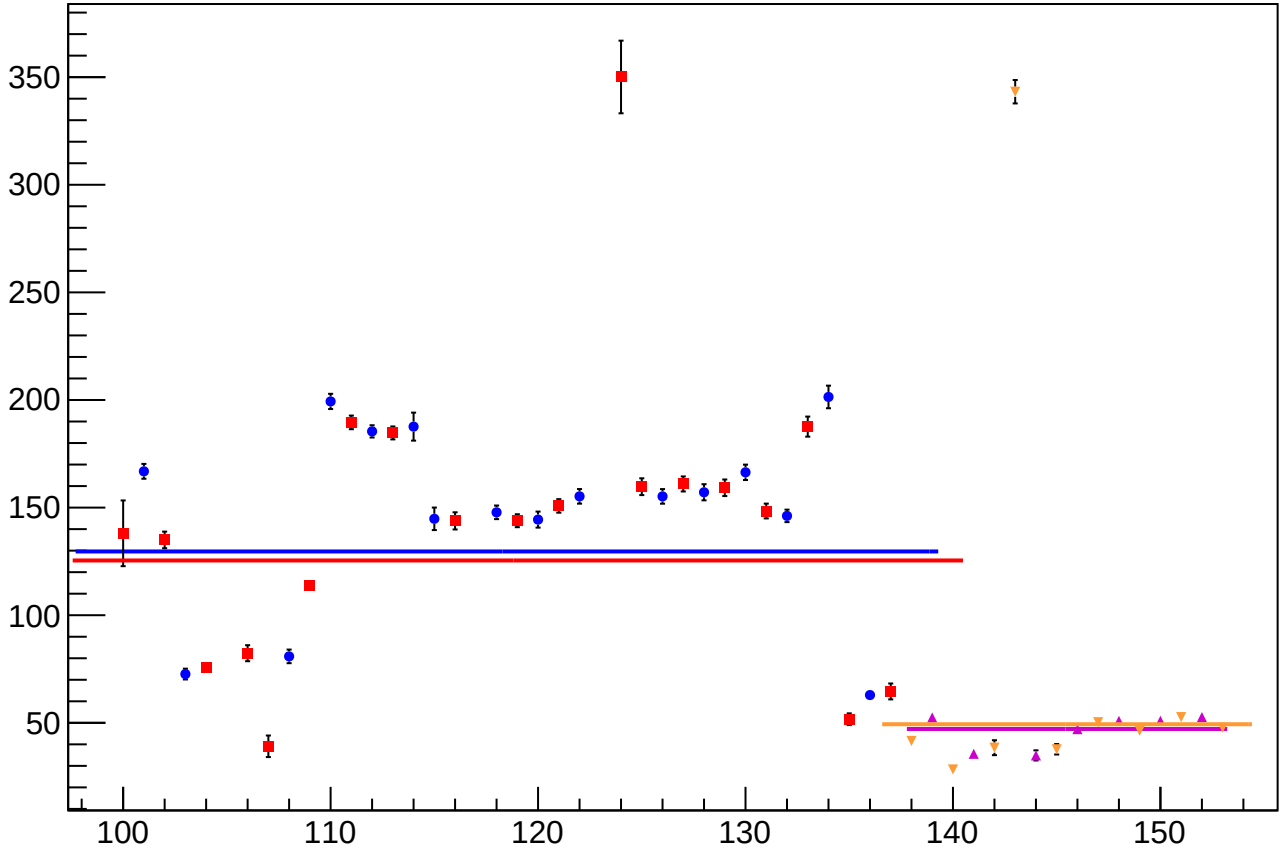
Left In: 0.301+/-0.536 χ^2/NDF:103.7/6

+ sign -1.998+/-0.425 χ^2/NDF: 415.2/24

All: -1.805+/-0.304 χ^2/NDF: 753.3/50

- sign -1.603+/-0.434 χ^2/NDF: 337.7/25

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 49.341+/-0.770 χ^2/NDF:3080.3/8

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

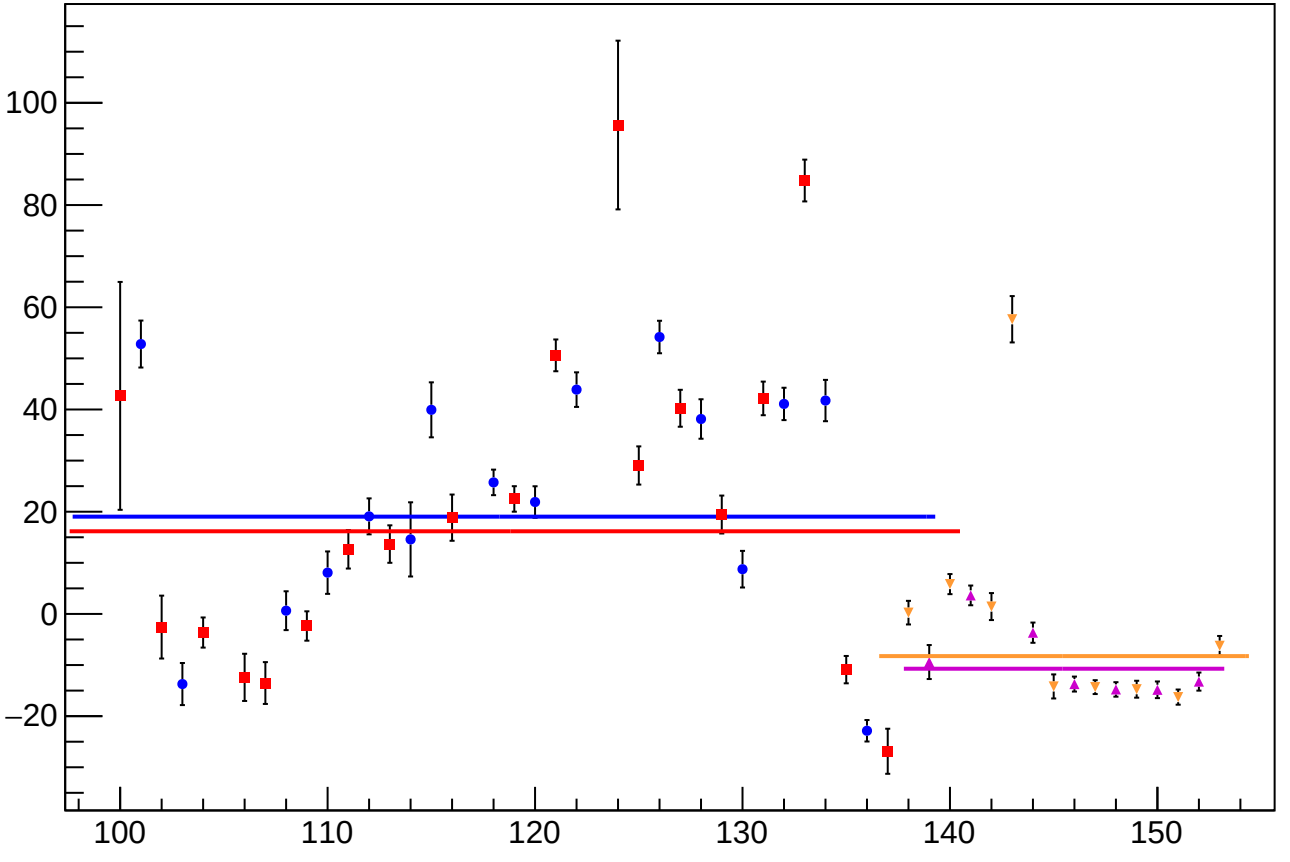
Left In: 47.138+/-0.788 χ^2/NDF:74.1/6

+ sign 87.924+/-0.555 χ^2/NDF: 11926.9/24

All: 87.073+/-0.393 χ^2/NDF: 20431.9/50

- sign 86.213+/-0.558 χ^2/NDF: 8500.3/25

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -8.250+/-0.639 χ^2/NDF:361.7/8

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

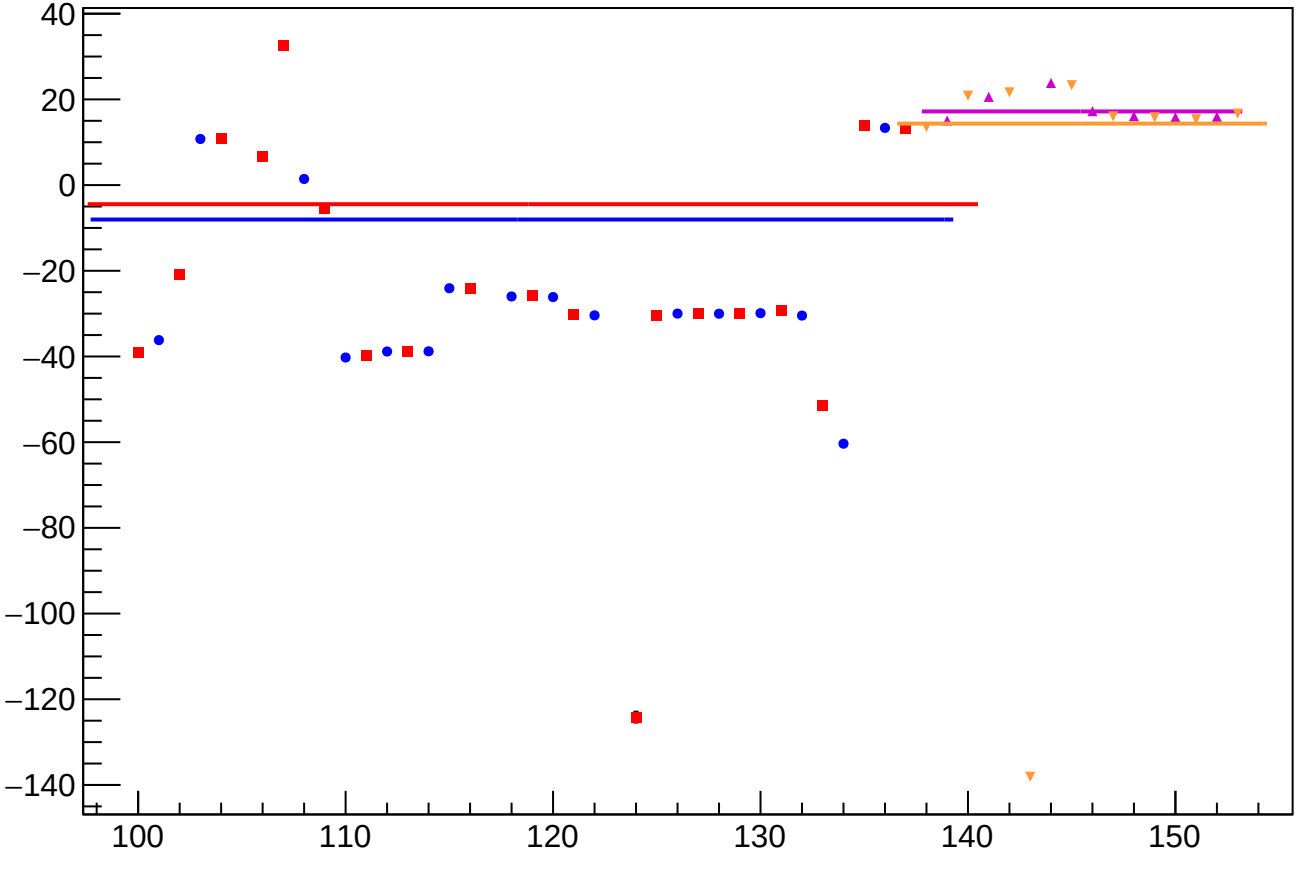
Left In: -10.720+/-0.663 χ^2/NDF:88.9/6

+ sign 1.448+/-0.513 χ^2/NDF: 1868.7/24

All: 0.499+/-0.366 χ^2/NDF: 3531.9/50

- sign -0.485+/-0.522 χ^2/NDF: 1656.1/25

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 14.350+/-0.031 χ^2/NDF:471437.8/8

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

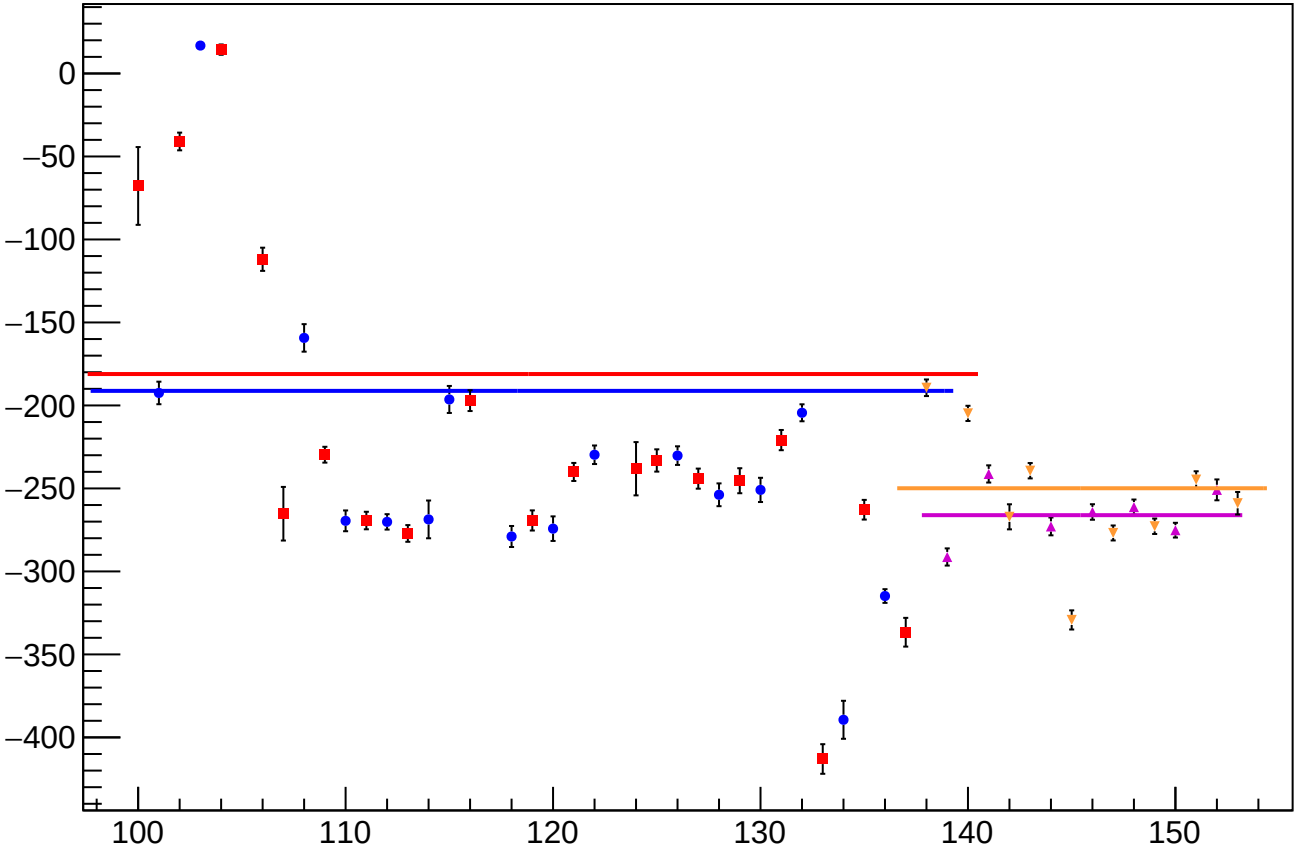
Left In: 17.189+/-0.031 χ^2/NDF:6939.5/6

+ sign 7.300+/-0.026 χ^2/NDF: 902823.3/24

All: 8.889+/-0.018 χ^2/NDF: 1293908.4/50

- sign 10.512+/-0.026 χ^2/NDF: 383368.0/25

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -249.896+/-1.719 χ^2/NDF:506.0/8

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

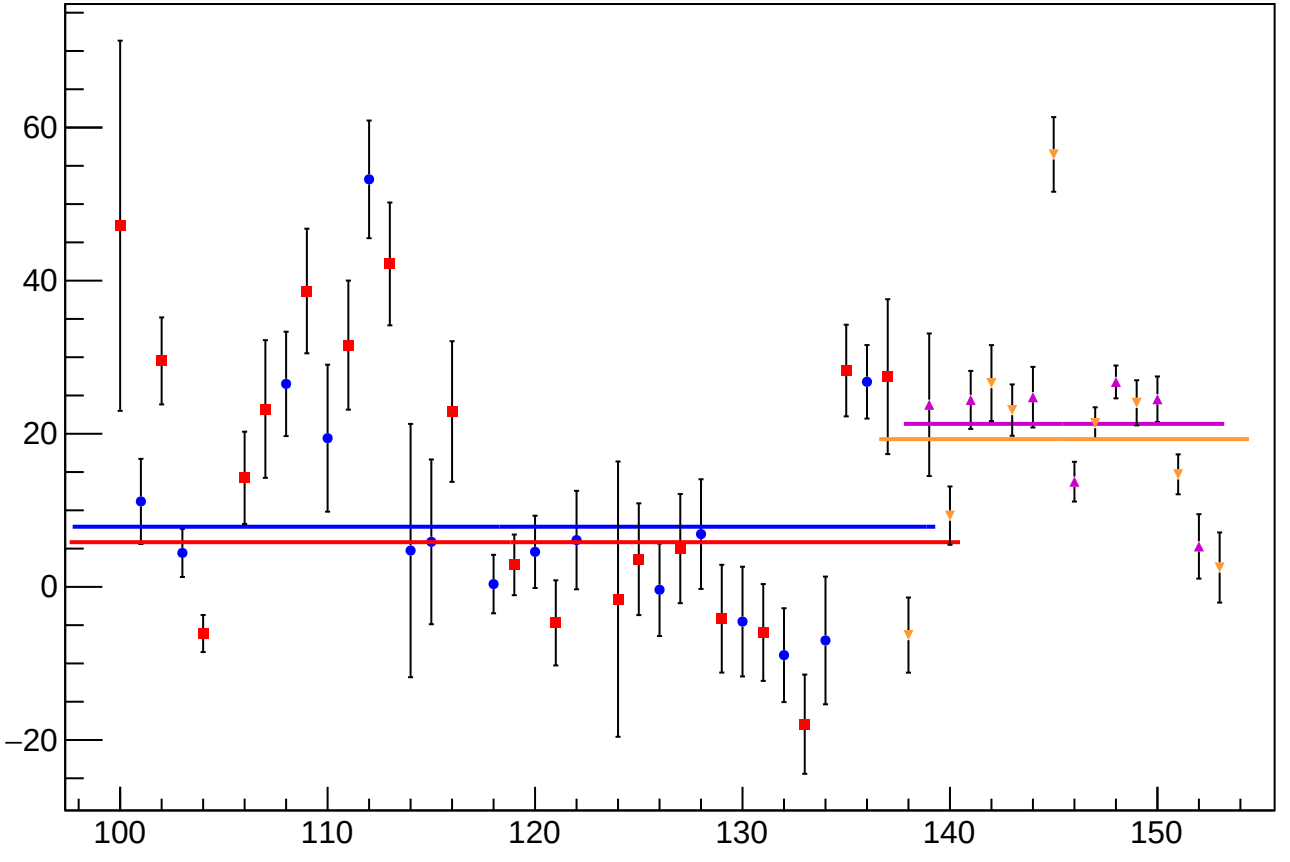
Left In: -266.110+/-1.893 χ^2/NDF:59.5/6

+ sign -214.994+/-1.094 χ^2/NDF: 8423.7/24

All: -212.873+/-0.781 χ^2/NDF: 17181.0/50

- sign -210.665+/-1.116 χ^2/NDF: 8749.7/25

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 19.300+/-1.101 χ^2/NDF:115.8/8

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

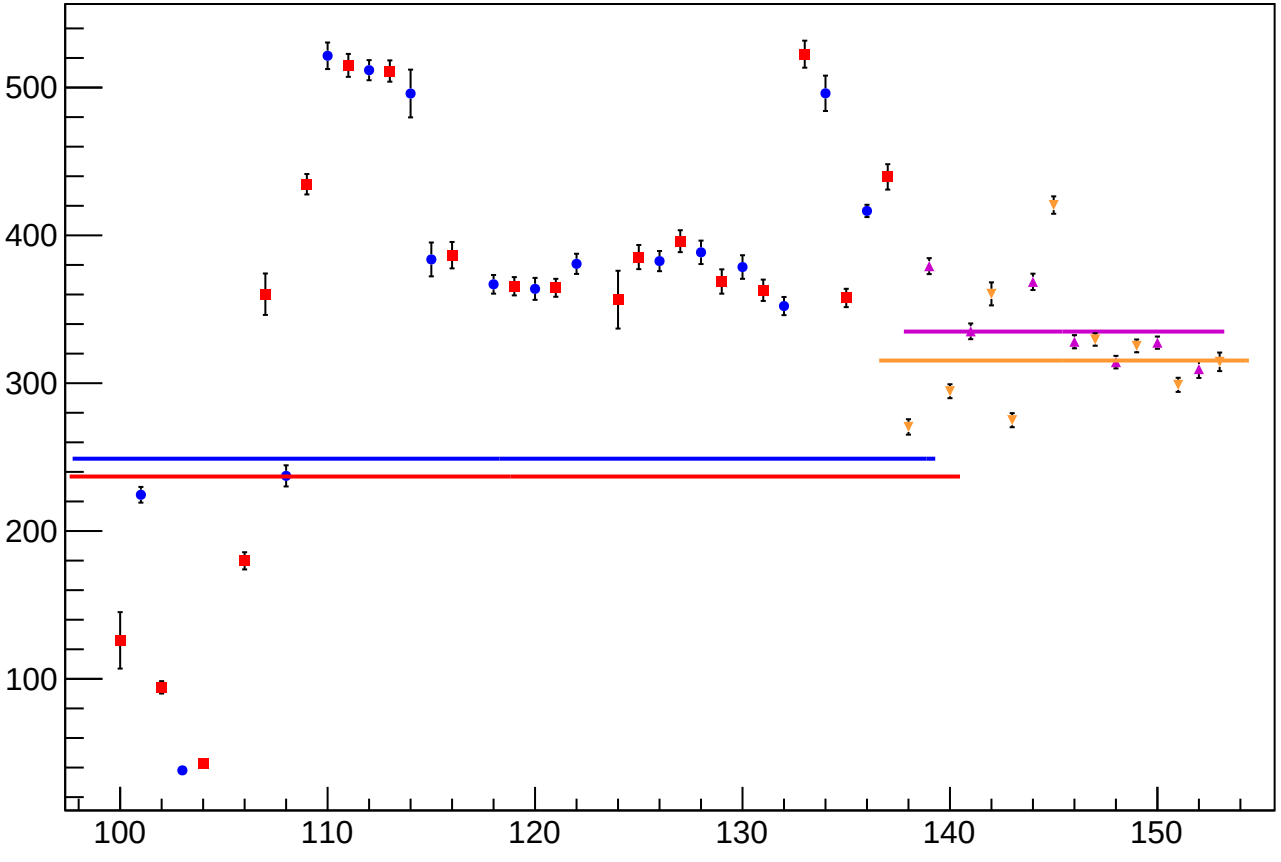
Left In: 21.294+/-1.212 χ^2/NDF:32.2/6

+ sign 15.070+/-0.874 χ^2/NDF: 236.7/24

All: 14.759+/-0.628 χ^2/NDF: 483.2/50

- sign 14.426+/-0.904 χ^2/NDF: 246.2/25

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 315.345+/-1.691 χ^2/NDF:546.6/8

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

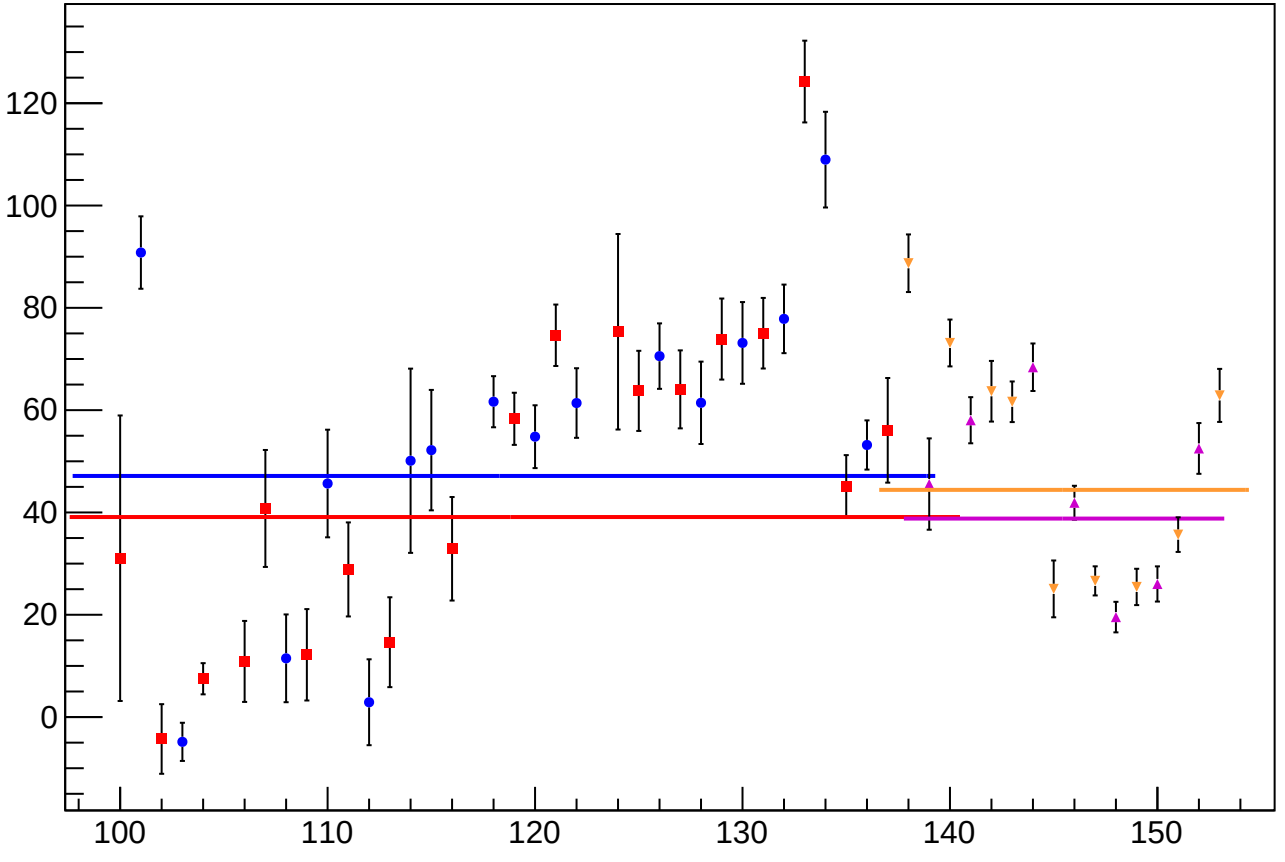
Left In: 334.925+/-1.846 χ^2/NDF:151.3/6

+ sign 276.442+/-1.088 χ^2/NDF: 16752.7/24

All: 274.717+/-0.780 χ^2/NDF: 34351.4/50

- sign 272.892+/-1.119 χ^2/NDF: 17593.6/25

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 44.417+/-1.372 χ^2/NDF:229.8/8

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

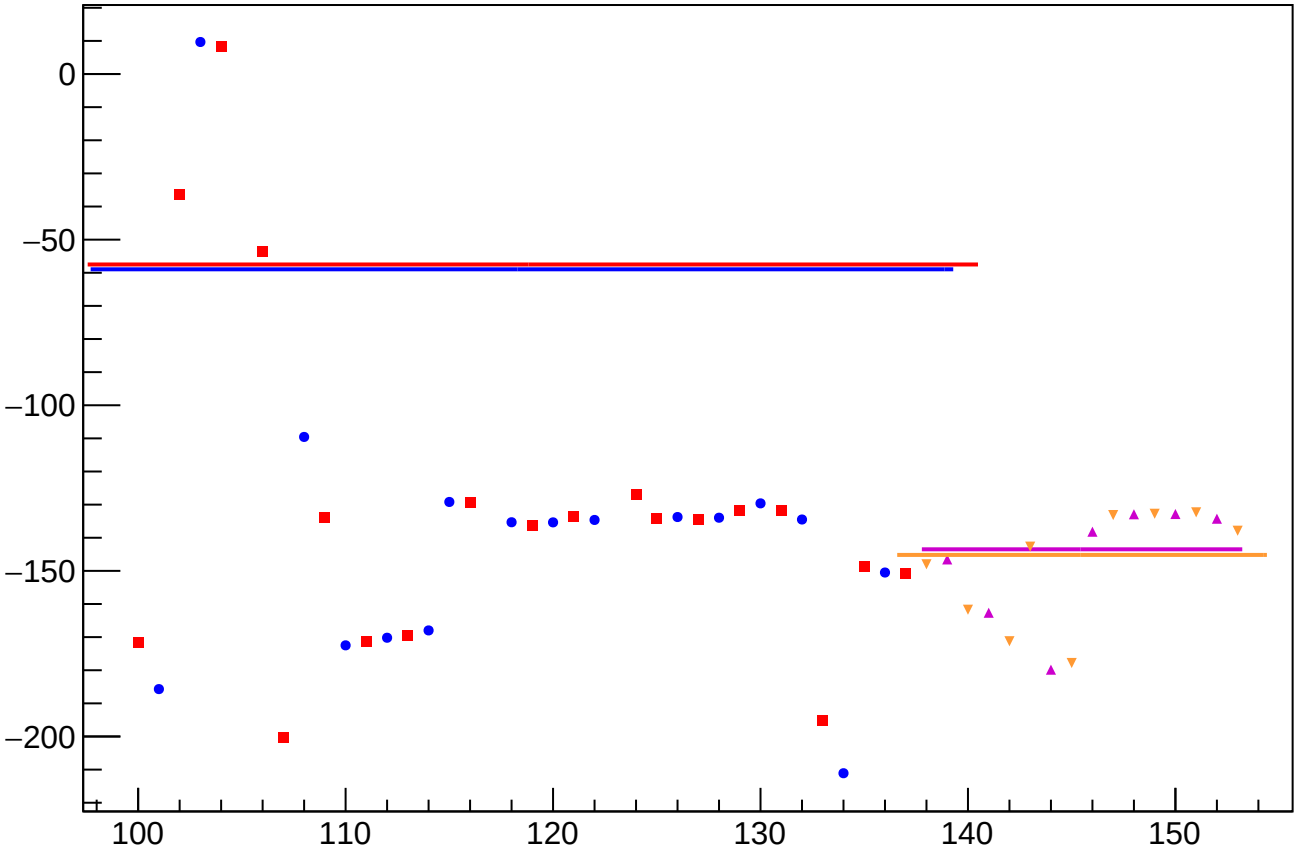
Left In: 38.803+/-1.513 χ^2/NDF:123.3/6

+ sign 45.515+/-1.060 χ^2/NDF: 616.7/24

All: 42.348+/-0.763 χ^2/NDF: 1175.0/50

- sign 38.946+/-1.098 χ^2/NDF: 539.8/25

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -145.183+/-0.070 χ^2/NDF:47266.0/8

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

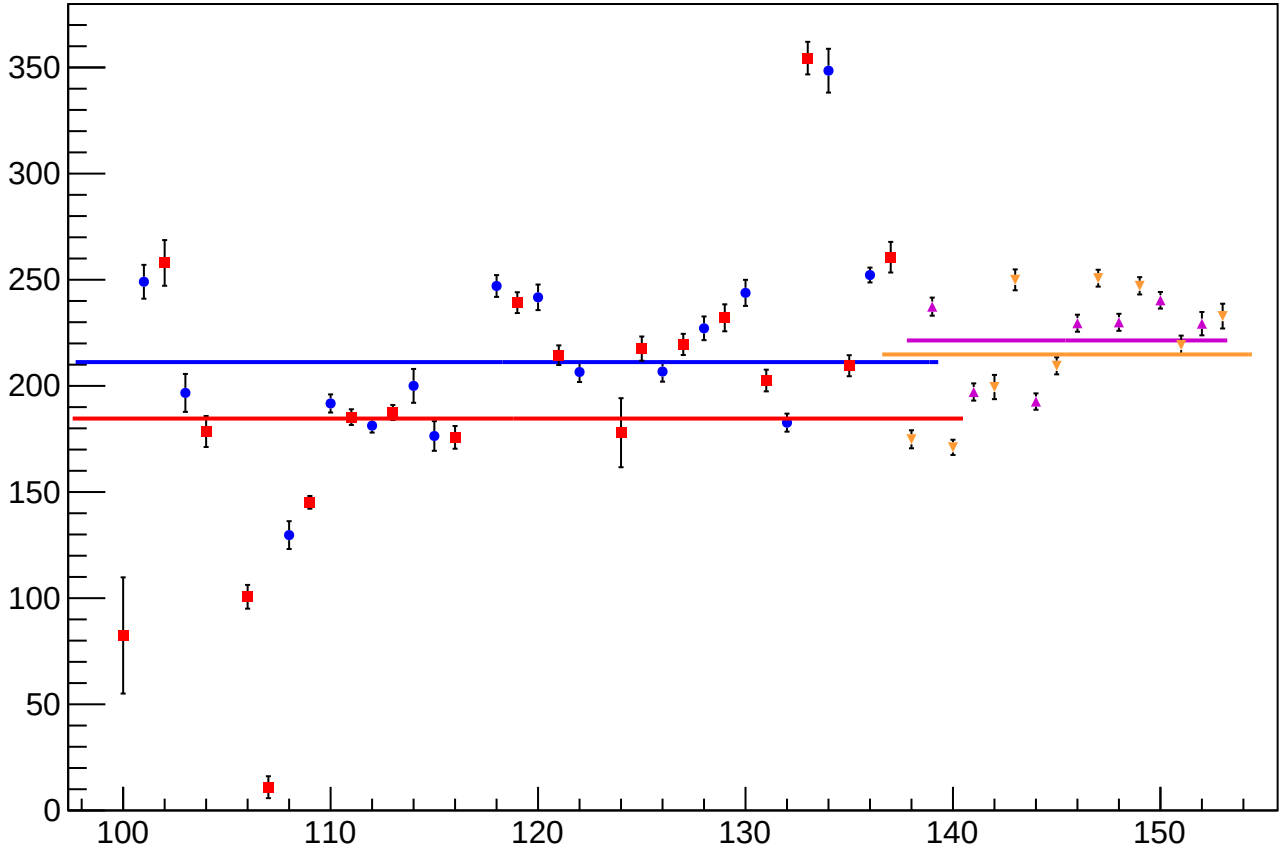
Left In: -143.490+/-0.074 χ^2/NDF:39843.1/6

+ sign -103.903+/-0.050 χ^2/NDF: 2009524.7/24

All: -102.308+/-0.036 χ^2/NDF: 3594419.0/50

- sign -100.569+/-0.052 χ^2/NDF: 1582786.9/25

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 214.812+/-1.458 χ^2/NDF:452.8/8

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

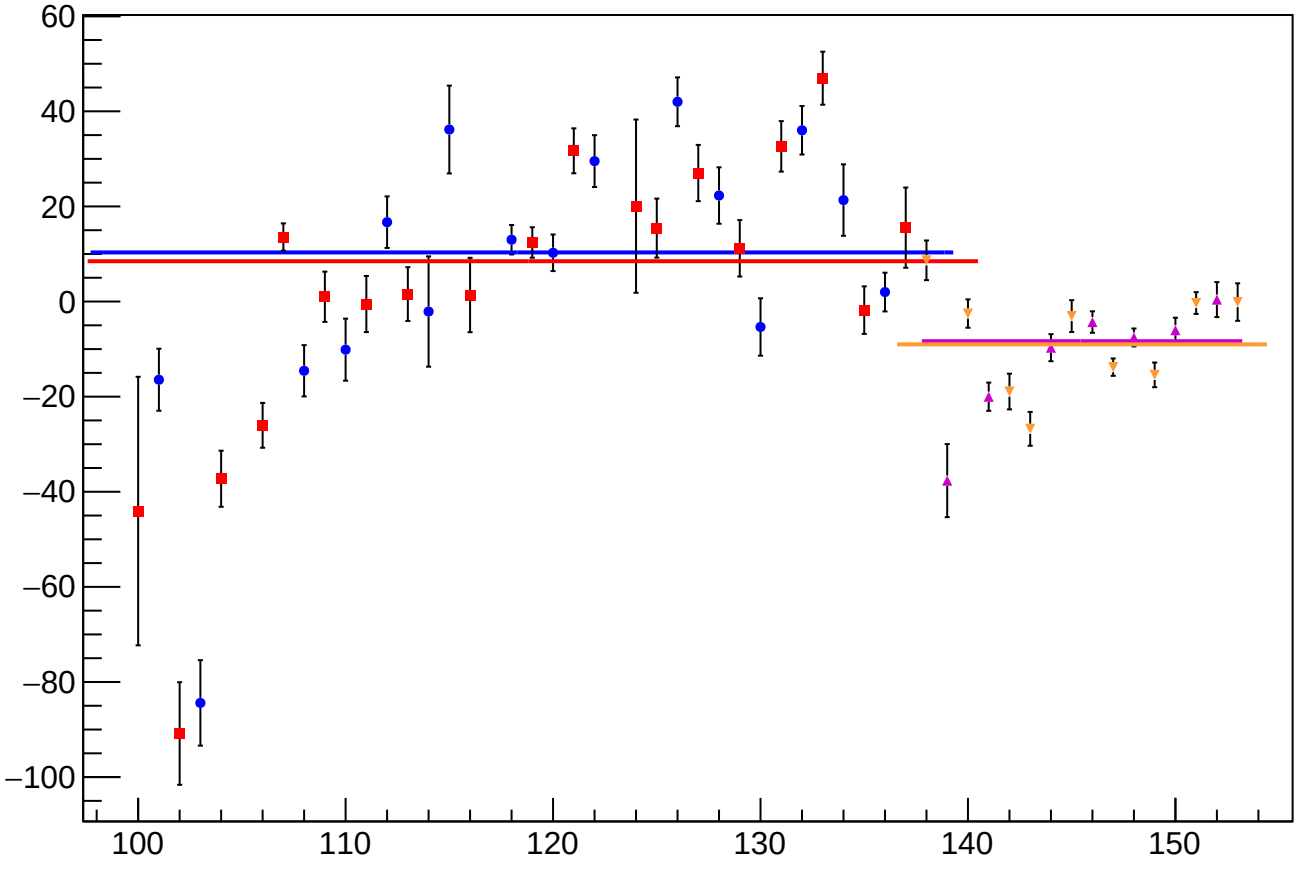
Left In: 221.410+/-1.569 χ^2/NDF:139.7/6

+ sign 212.800+/-0.968 χ^2/NDF: 1239.2/24

All: 205.312+/-0.678 χ^2/NDF: 4384.9/50

- sign 198.105+/-0.950 χ^2/NDF: 3028.4/25

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -9.004+/-0.948 χ^2/NDF:90.2/8

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

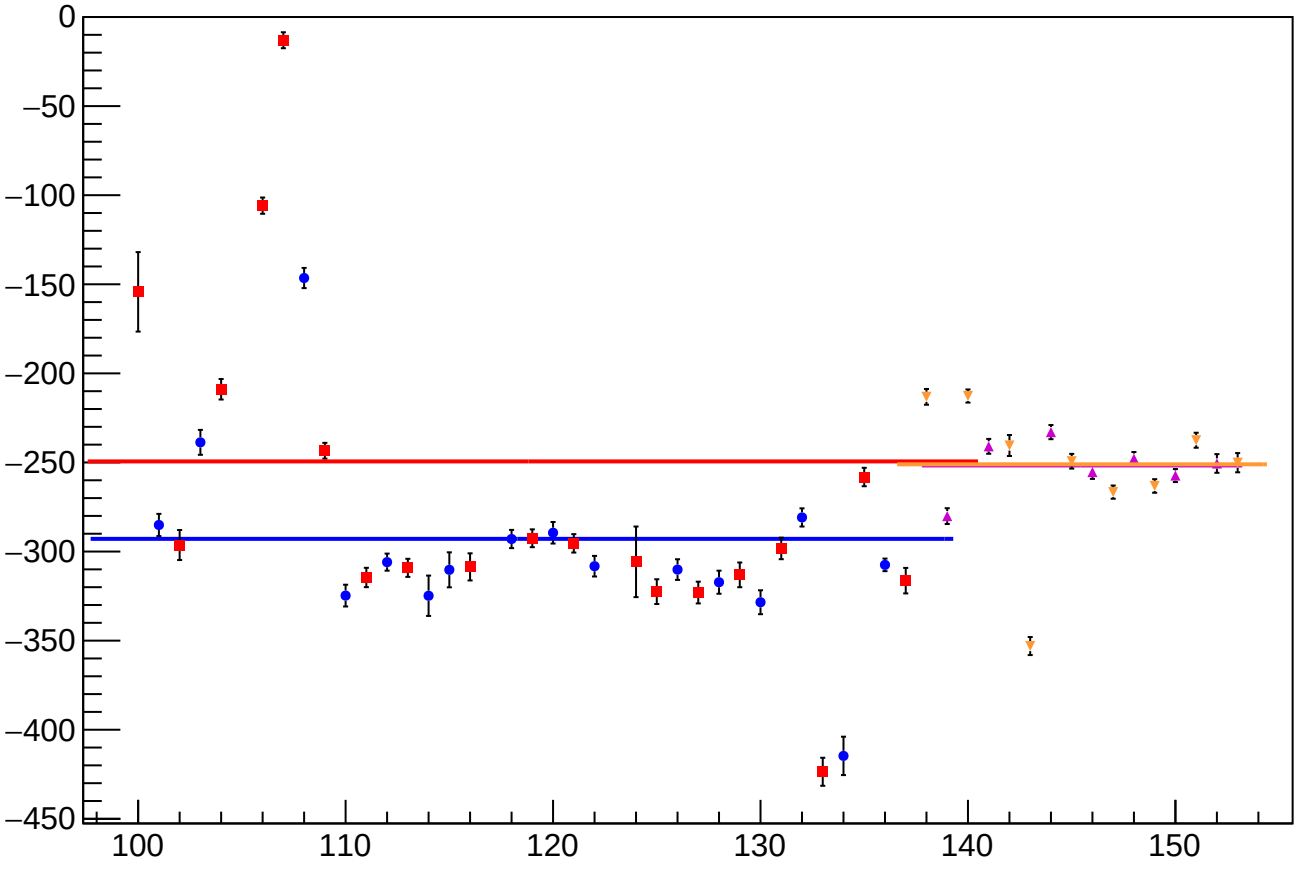
Left In: -8.334+/-1.026 χ^2/NDF:40.0/6

+ sign -2.507+/-0.773 χ^2/NDF: 493.2/24

All: -1.965+/-0.551 χ^2/NDF: 967.3/50

- sign -1.403+/-0.786 χ^2/NDF: 473.1/25

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -251.043+/-1.439 χ^2/NDF:628.8/8

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

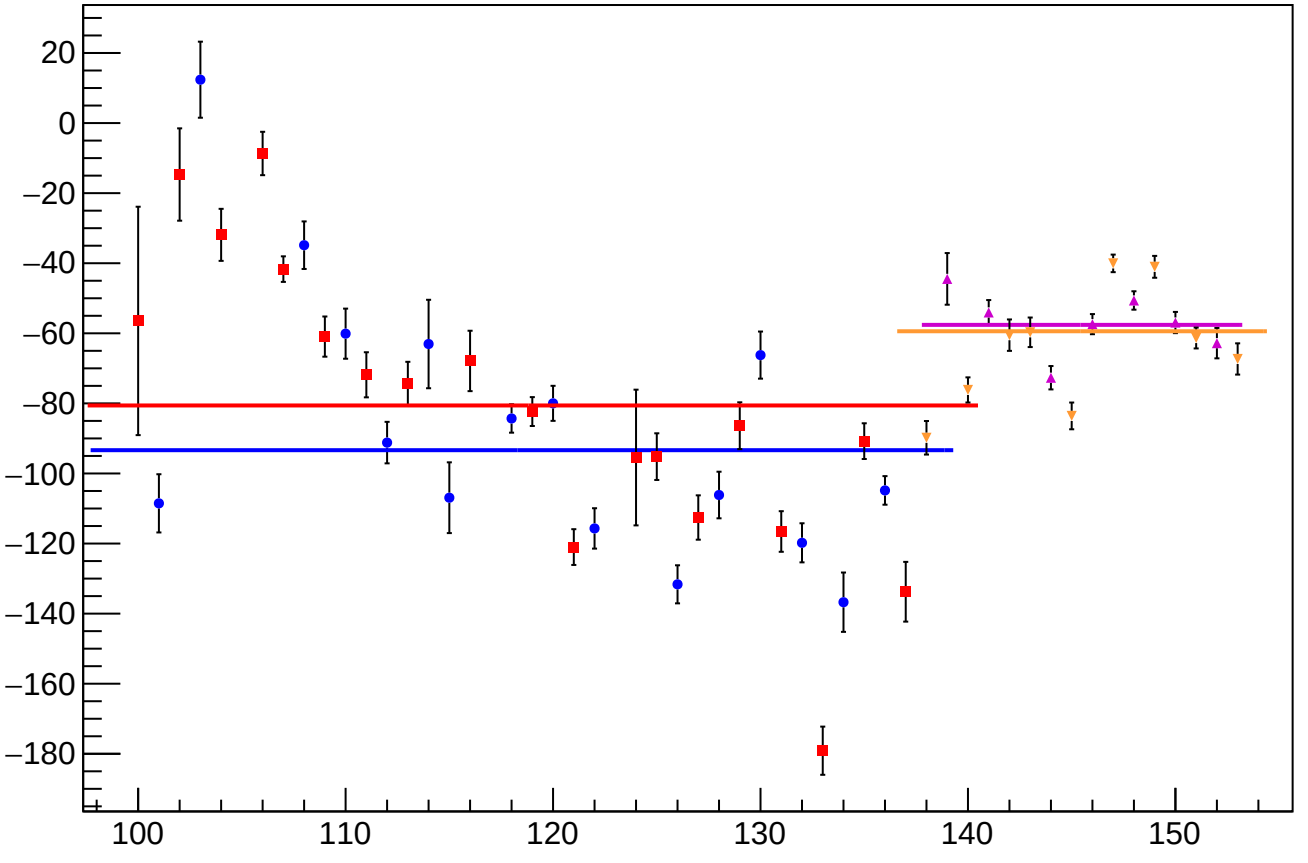
Left In: -251.682+/-1.539 χ^2/NDF:74.3/6

+ sign -271.540+/-1.027 χ^2/NDF: 2026.6/24

All: -260.928+/-0.725 χ^2/NDF: 7683.1/50

- sign -250.412+/-1.023 χ^2/NDF: 5444.0/25

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -59.415+/-1.177 χ^2/NDF:200.4/8

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

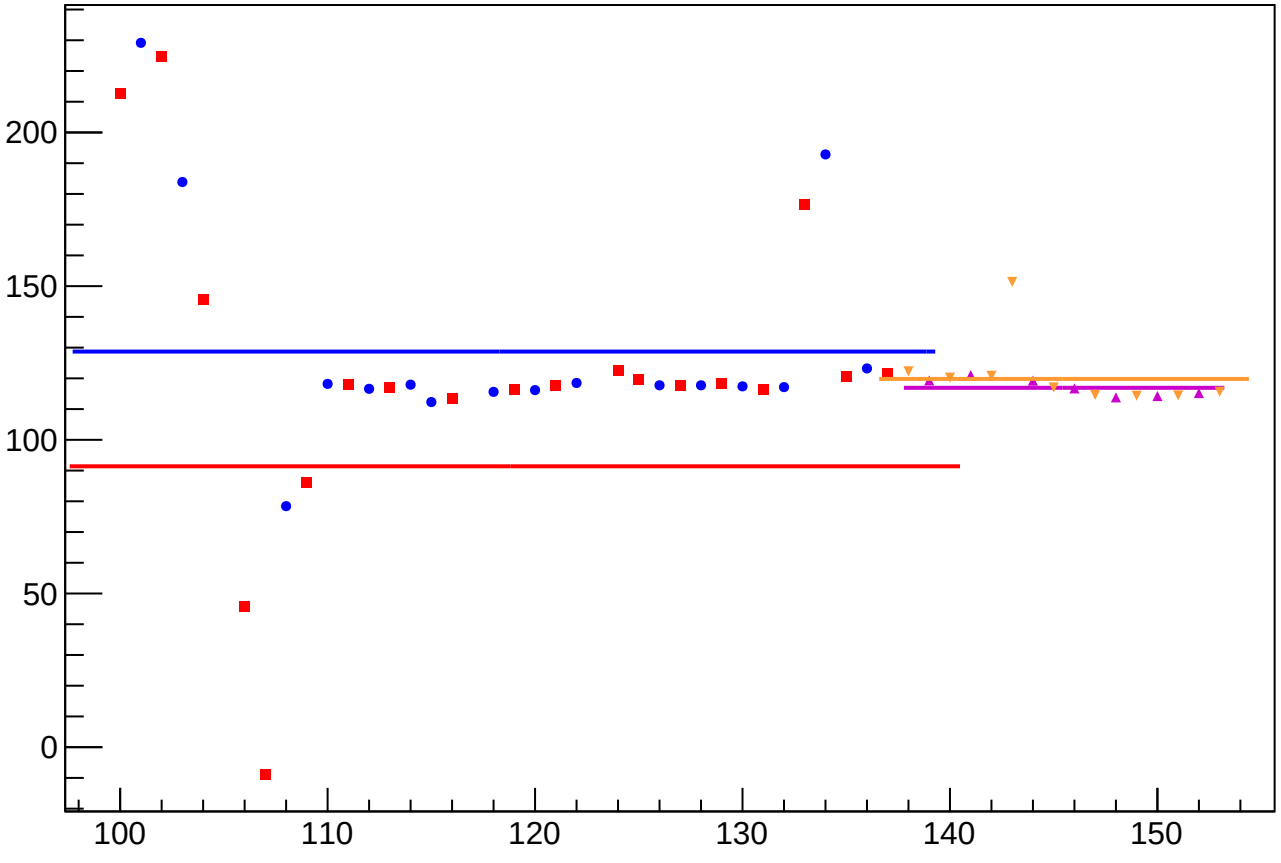
Left In: -57.592+/-1.273 χ^2/NDF:33.2/6

+ sign -71.995+/-0.934 χ^2/NDF: 863.7/24

All: -69.936+/-0.666 χ^2/NDF: 1767.1/50

- sign -67.810+/-0.949 χ^2/NDF: 893.5/25

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 119.814+/-0.059 χ^2/NDF:26532.9/8

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

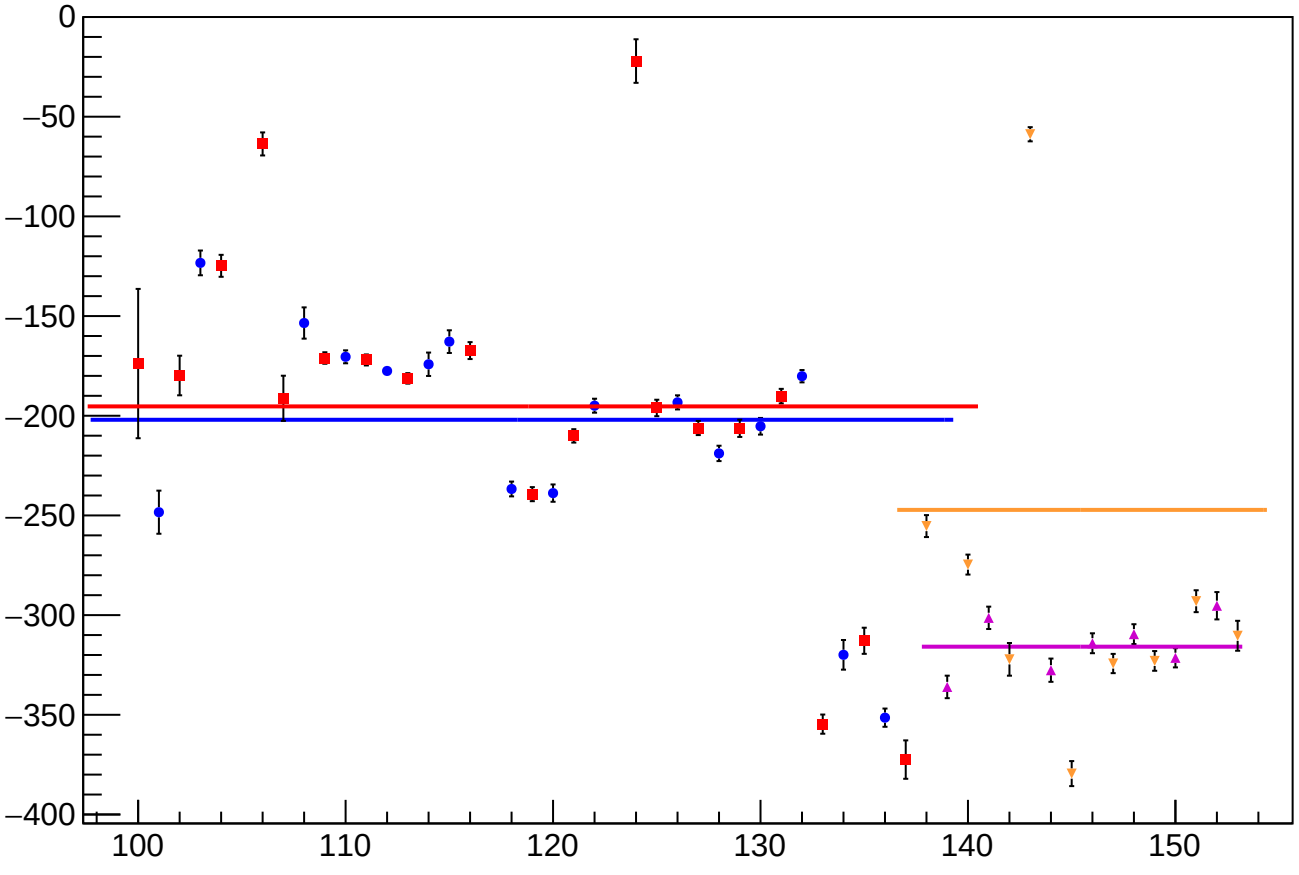
Left In: 116.927+/-0.062 χ^2/NDF:1831.2/6

+ sign 122.535+/-0.049 χ^2/NDF: 216979.4/24

All: 114.789+/-0.035 χ^2/NDF: 937244.4/50

- sign 107.193+/-0.049 χ^2/NDF: 671342.3/25

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -247.217+/-1.749 χ^2/NDF:3993.5/8

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

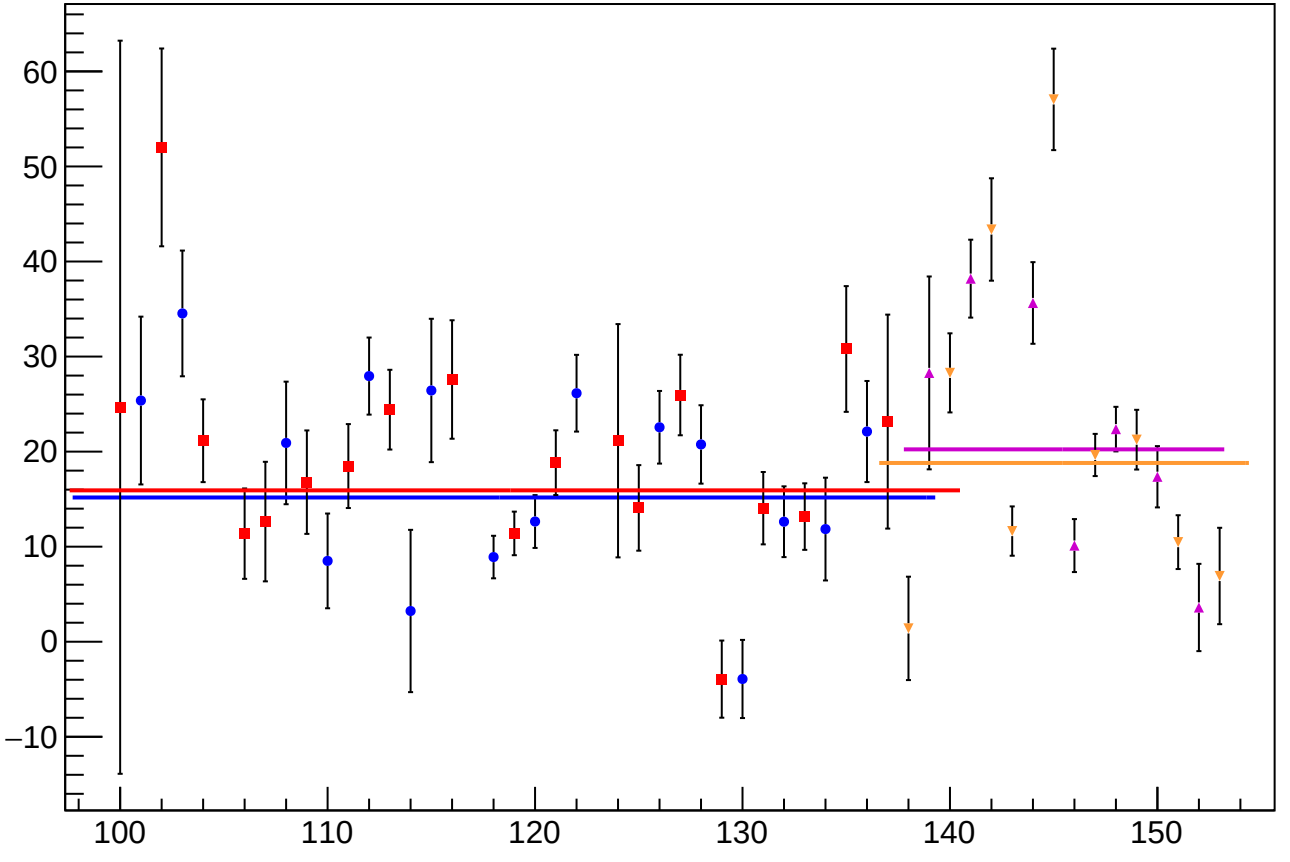
Left In: -315.833+/-2.052 χ^2/NDF:35.6/6

+ sign -213.557+/-0.884 χ^2/NDF: 6531.0/24

All: -215.523+/-0.624 χ^2/NDF: 12492.1/50

- sign -217.473+/-0.880 χ^2/NDF: 5951.2/25

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 18.807+/-1.134 χ^2/NDF:110.1/8

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

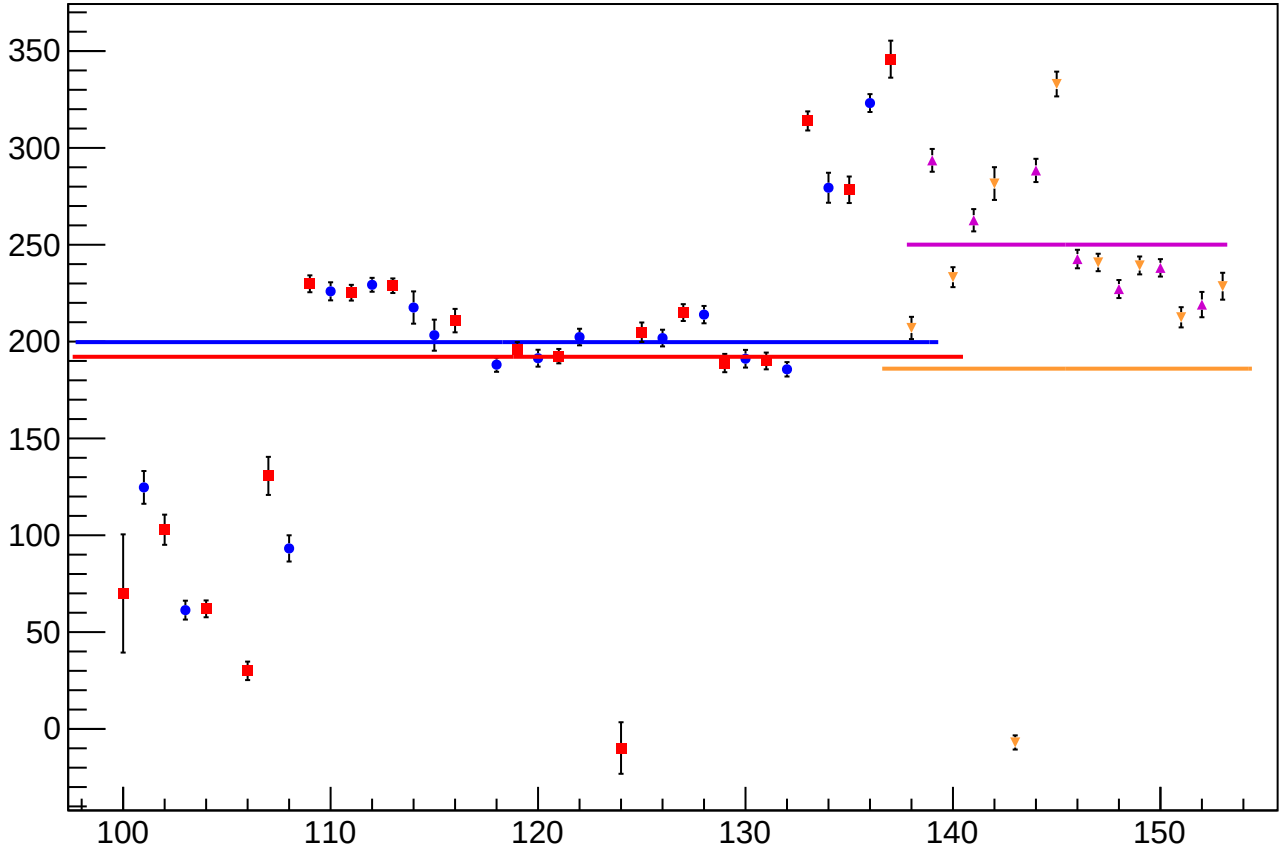
Left In: 20.237+/-1.316 χ^2/NDF:60.6/6

+ sign 16.848+/-0.770 χ^2/NDF: 188.0/24

All: 17.192+/-0.559 χ^2/NDF: 319.2/50

- sign 17.577+/-0.814 χ^2/NDF: 130.8/25

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 186.024+/-1.728 χ^2/NDF:3878.8/8

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

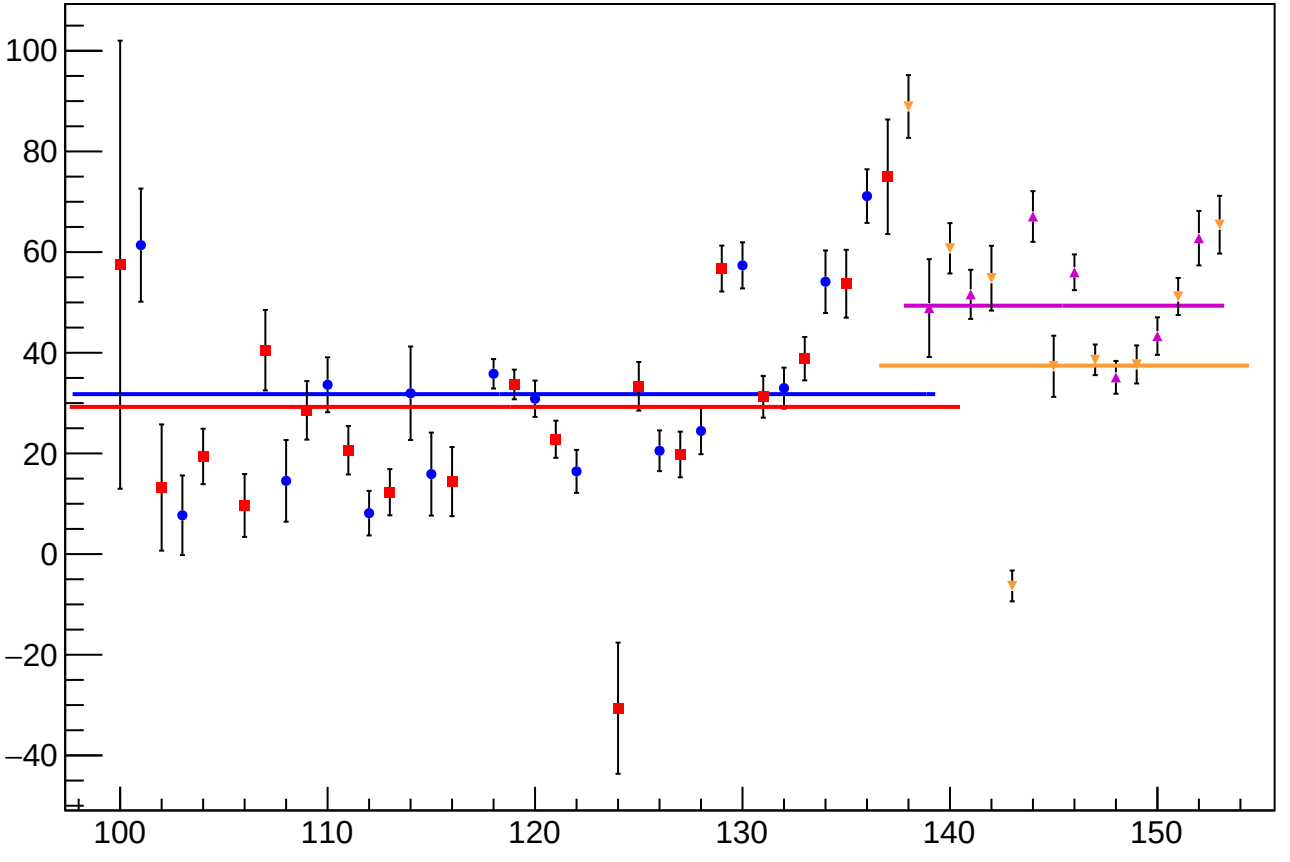
Left In: 250.055+/-2.002 χ^2/NDF:156.3/6

\+ sign 195.287+/-0.983 χ^2/NDF: 6022.8/24

All: 200.830+/-0.700 χ^2/NDF: 10649.6/50

\- sign 206.533+/-0.997 χ^2/NDF: 4562.3/25

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 37.446+/-1.406 χ^2/NDF:340.0/8

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

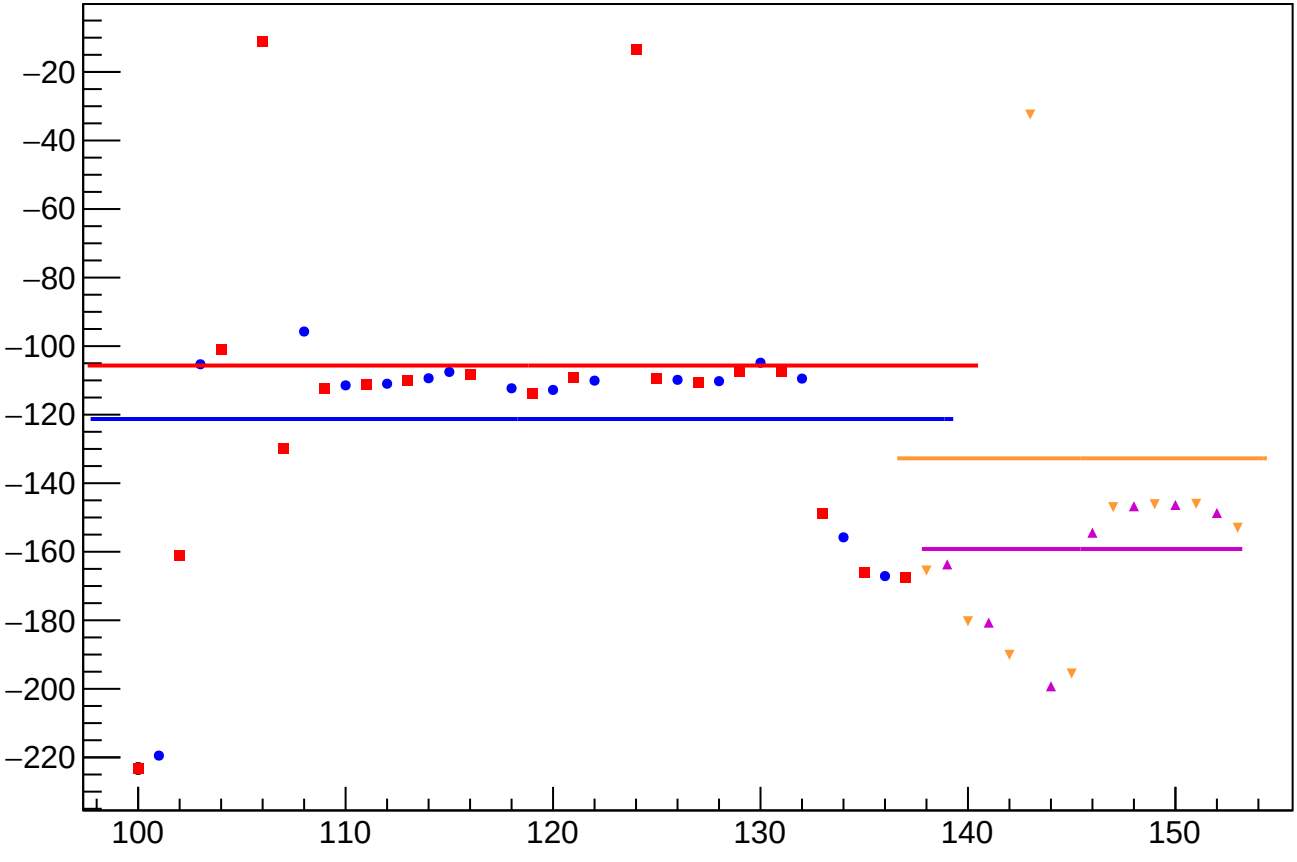
Left In: 49.353+/-1.641 χ^2/NDF:43.9/6

+ sign 34.207+/-0.920 χ^2/NDF: 526.3/24

All: 35.165+/-0.666 χ^2/NDF: 811.3/50

- sign 36.223+/-0.967 χ^2/NDF: 282.8/25

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -132.747+/-0.071 χ^2/NDF:608553.7/8

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

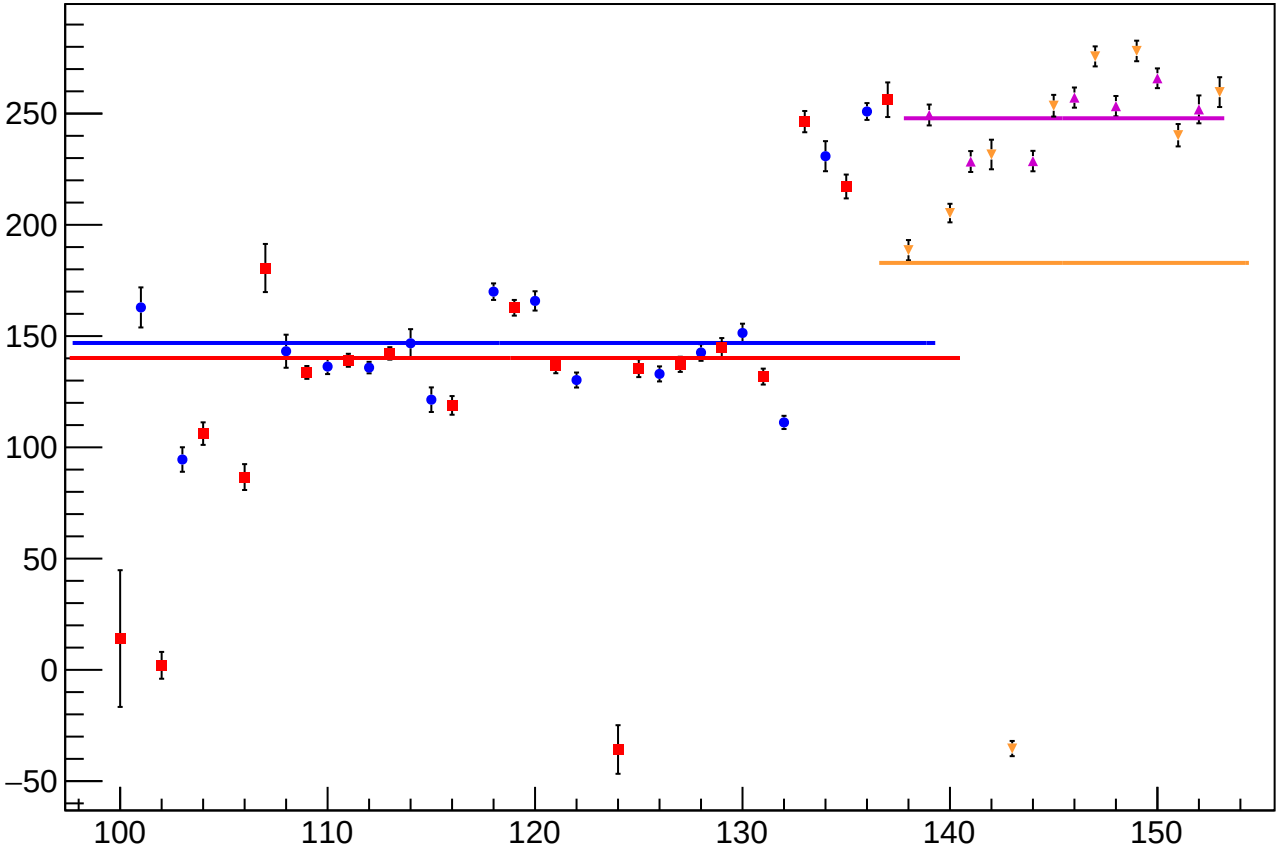
Left In: -159.199+/-0.080 χ^2/NDF:42770.3/6

+ sign -127.617+/-0.053 χ^2/NDF: 739564.2/24

All: -128.987+/-0.038 χ^2/NDF: 1376640.9/50

- sign -130.450+/-0.055 χ^2/NDF: 635693.3/25

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 182.892+/-1.554 χ^2/NDF:5482.4/8

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

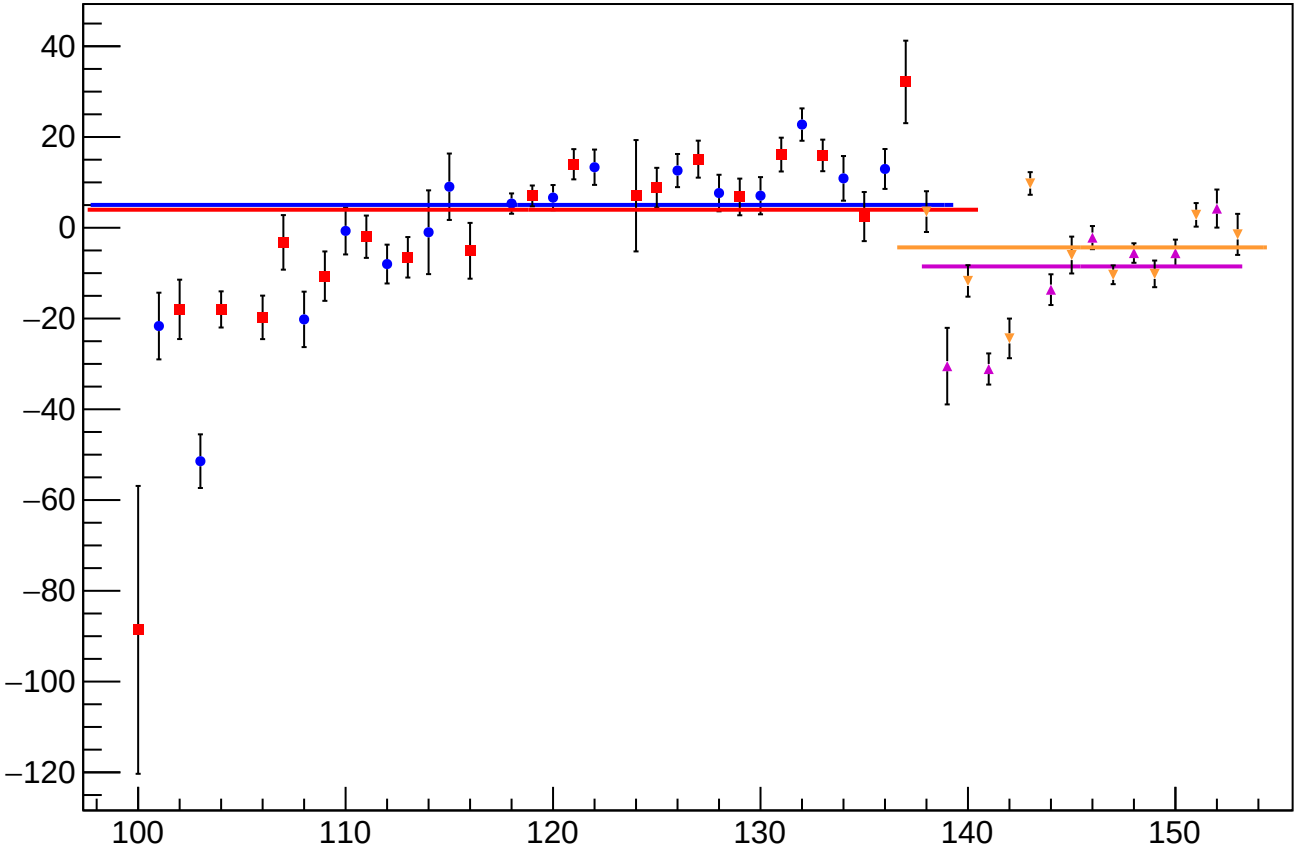
Left In: 247.890+/-1.793 χ^2/NDF:57.2/6

\+ sign 157.494+/-0.843 χ^2/NDF: 7162.9/24

All: 160.813+/-0.597 χ^2/NDF: 12008.1/50

\- sign 164.160+/-0.846 χ^2/NDF: 4814.1/25

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -4.324+/-1.024 χ^2/NDF:81.3/8

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

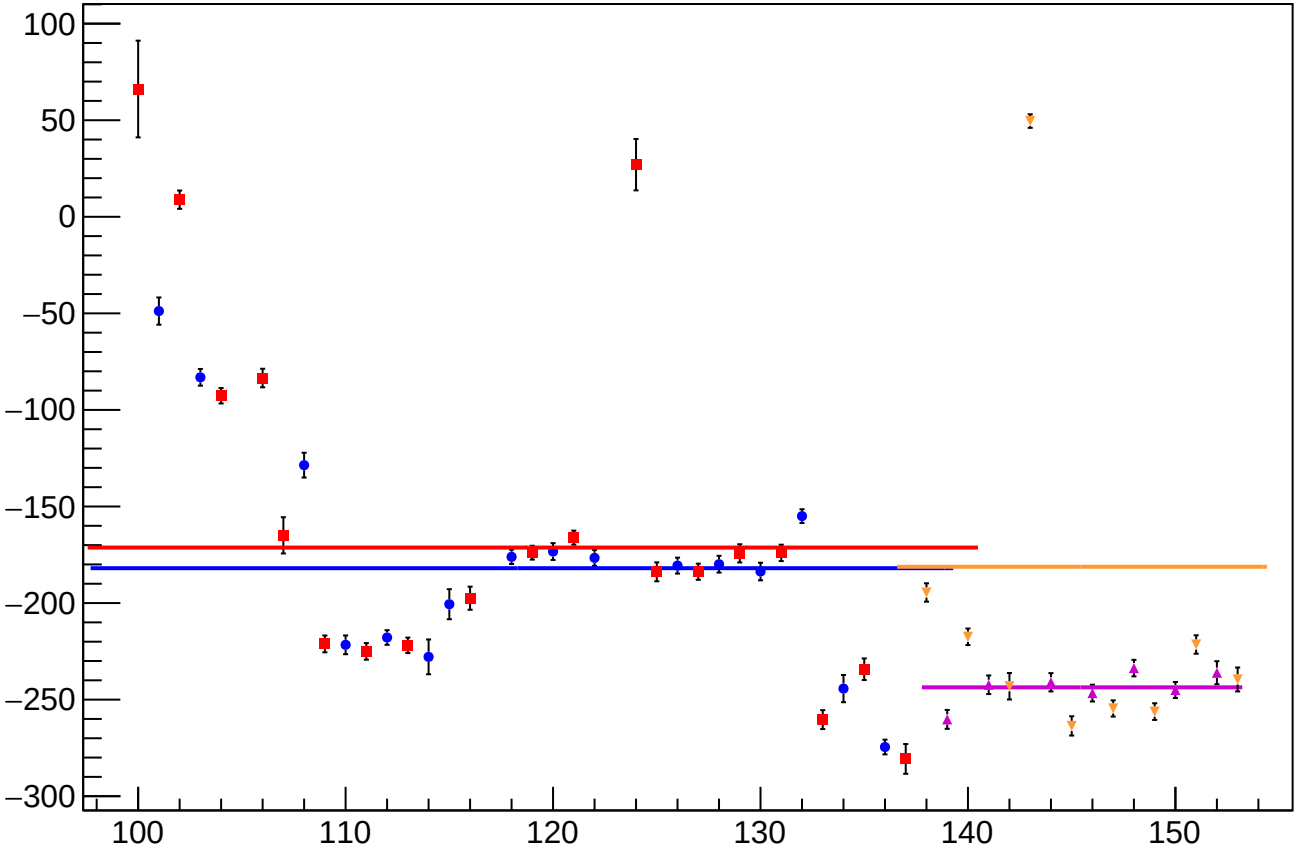
Left In: -8.520+/-1.174 χ^2/NDF:70.7/6

+ sign 0.371+/-0.723 χ^2/NDF: 295.1/24

All: -0.441+/-0.526 χ^2/NDF: 578.3/50

- sign -1.353+/-0.766 χ^2/NDF: 280.6/25

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -181.205+/-1.541 χ^2/NDF:5507.4/8

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

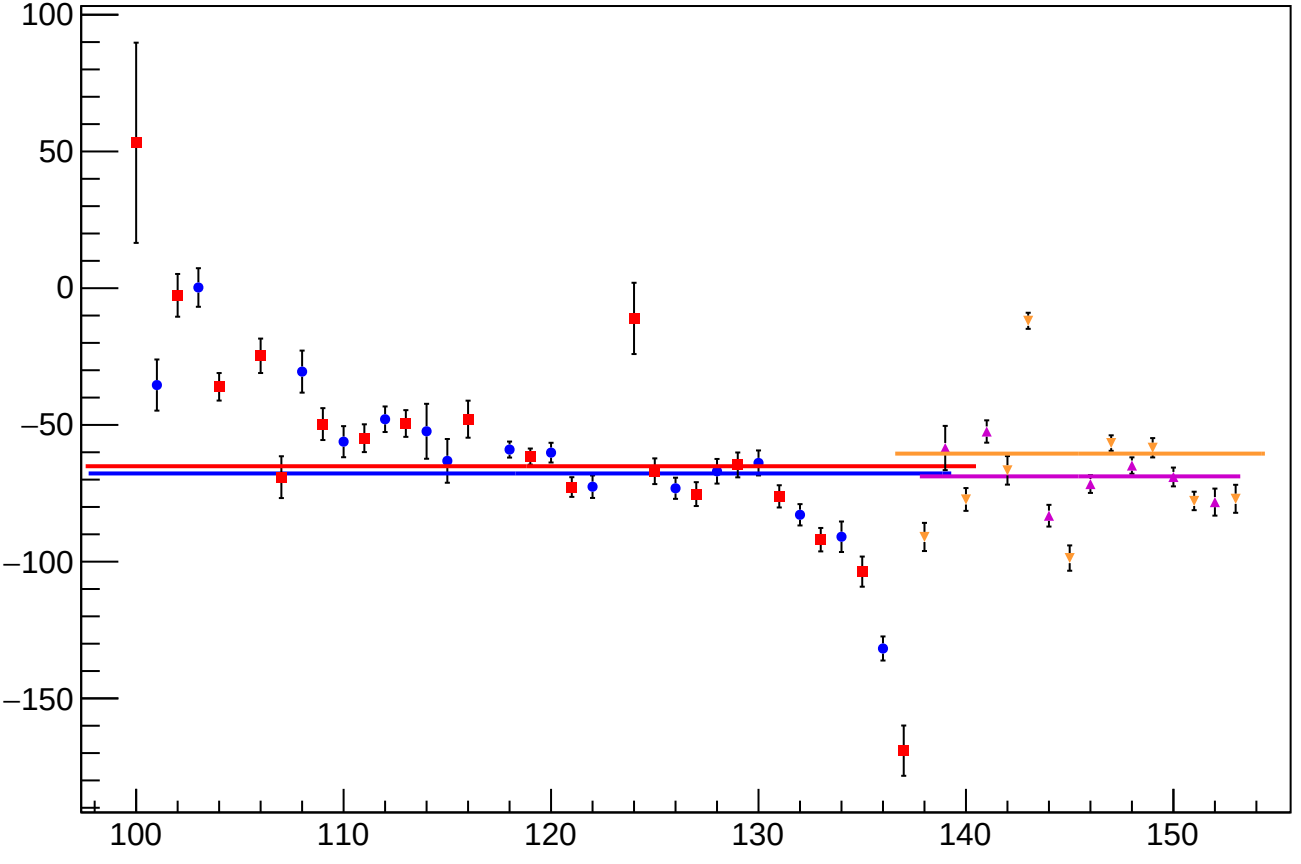
Left In: -243.637+/-1.758 χ^2/NDF:19.5/6

+ sign -181.680+/-0.924 χ^2/NDF: 7378.0/24

All: -186.718+/-0.659 χ^2/NDF: 12297.6/50

- sign -191.926+/-0.939 χ^2/NDF: 4859.1/25

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -60.491+/-1.265 χ^2/NDF:432.5/8

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

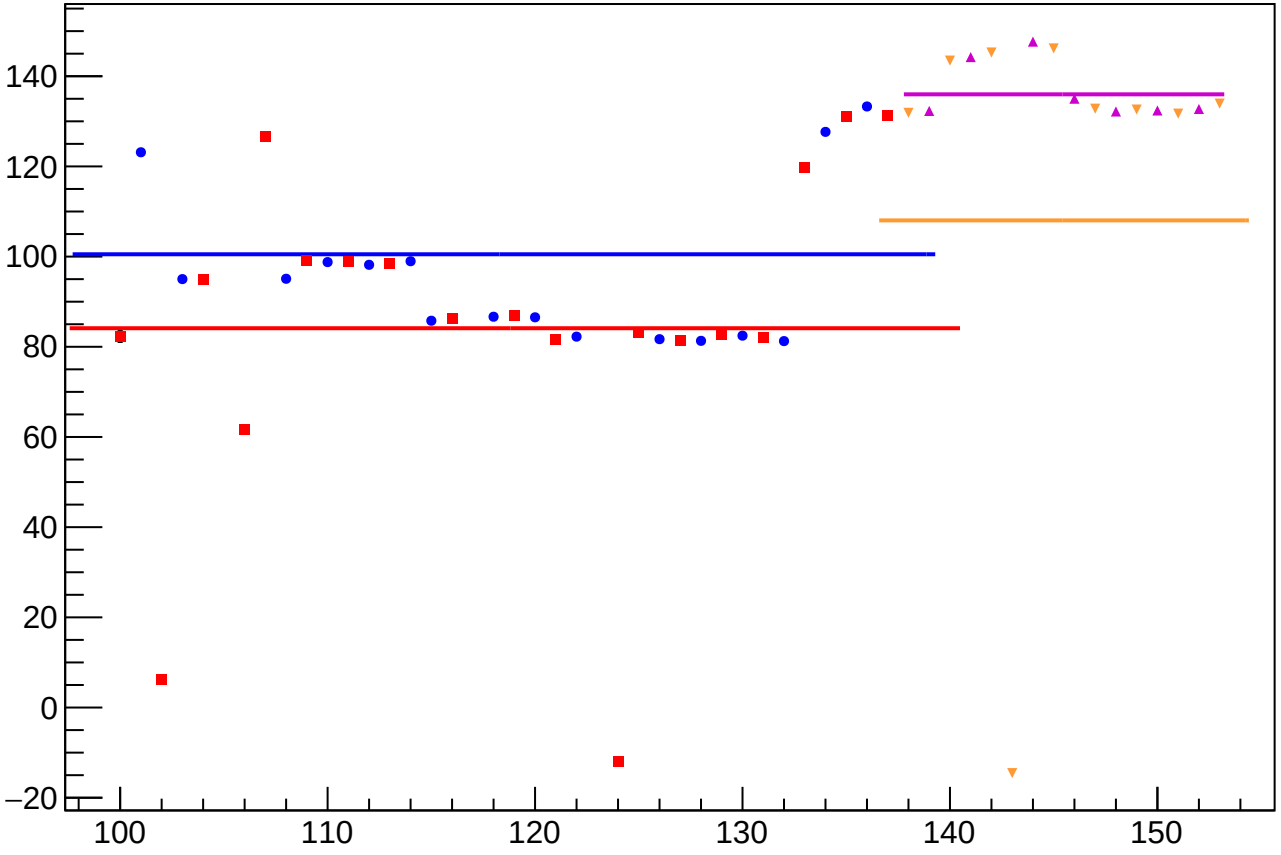
Left In: -68.811+/-1.458 χ^2/NDF:37.0/6

+ sign -64.367+/-0.863 χ^2/NDF: 864.1/24

All: -65.401+/-0.627 χ^2/NDF: 1337.2/50

- sign -66.552+/-0.911 χ^2/NDF: 470.0/25

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 108.030+/-0.063 χ^2/NDF:876022.2/8

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

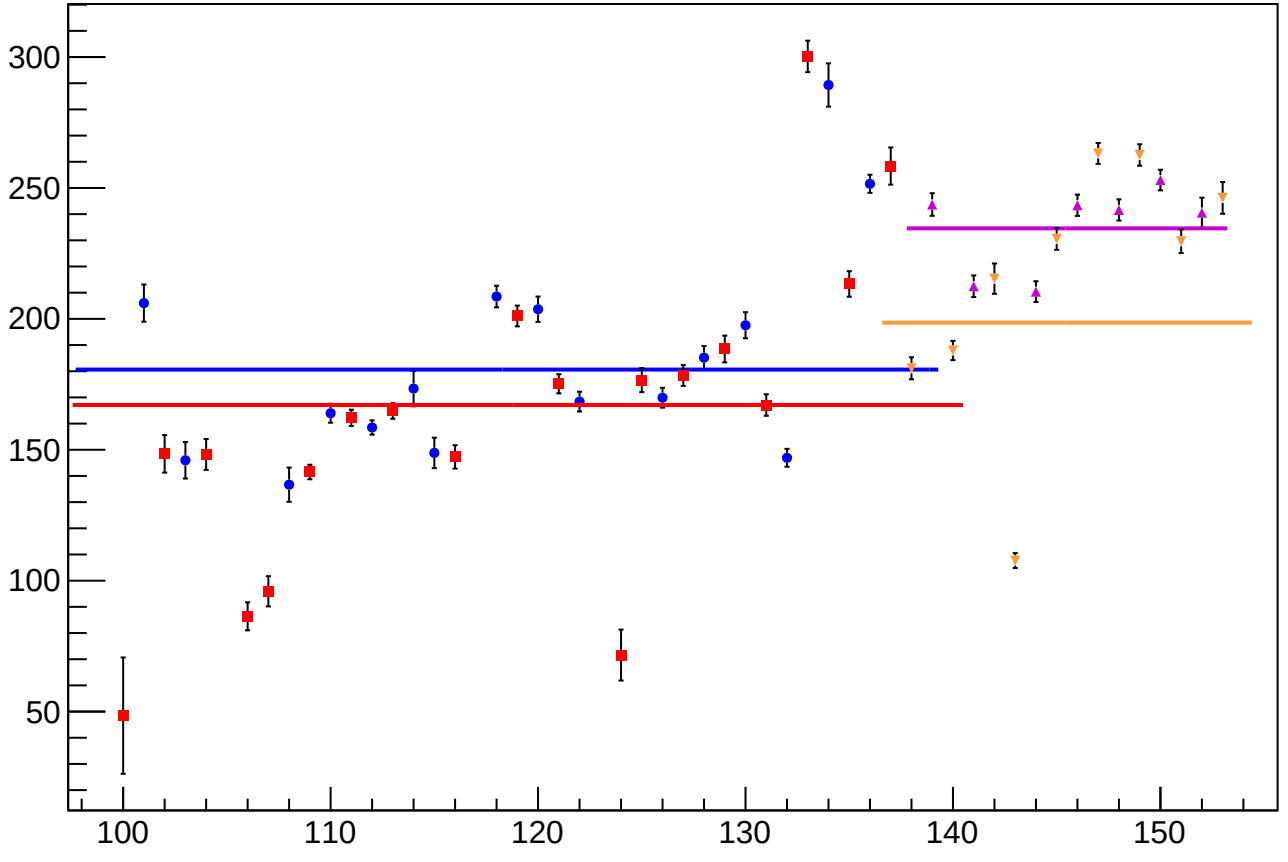
Left In: 135.985+/-0.071 χ^2/NDF:6446.0/6

\+ sign 104.847+/-0.048 χ^2/NDF: 949434.1/24

All: 107.112+/-0.034 χ^2/NDF: 1499143.1/50

\- sign 109.502+/-0.049 χ^2/NDF: 545159.7/25

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 198.554+/-1.360 χ^2/NDF:1730.3/8

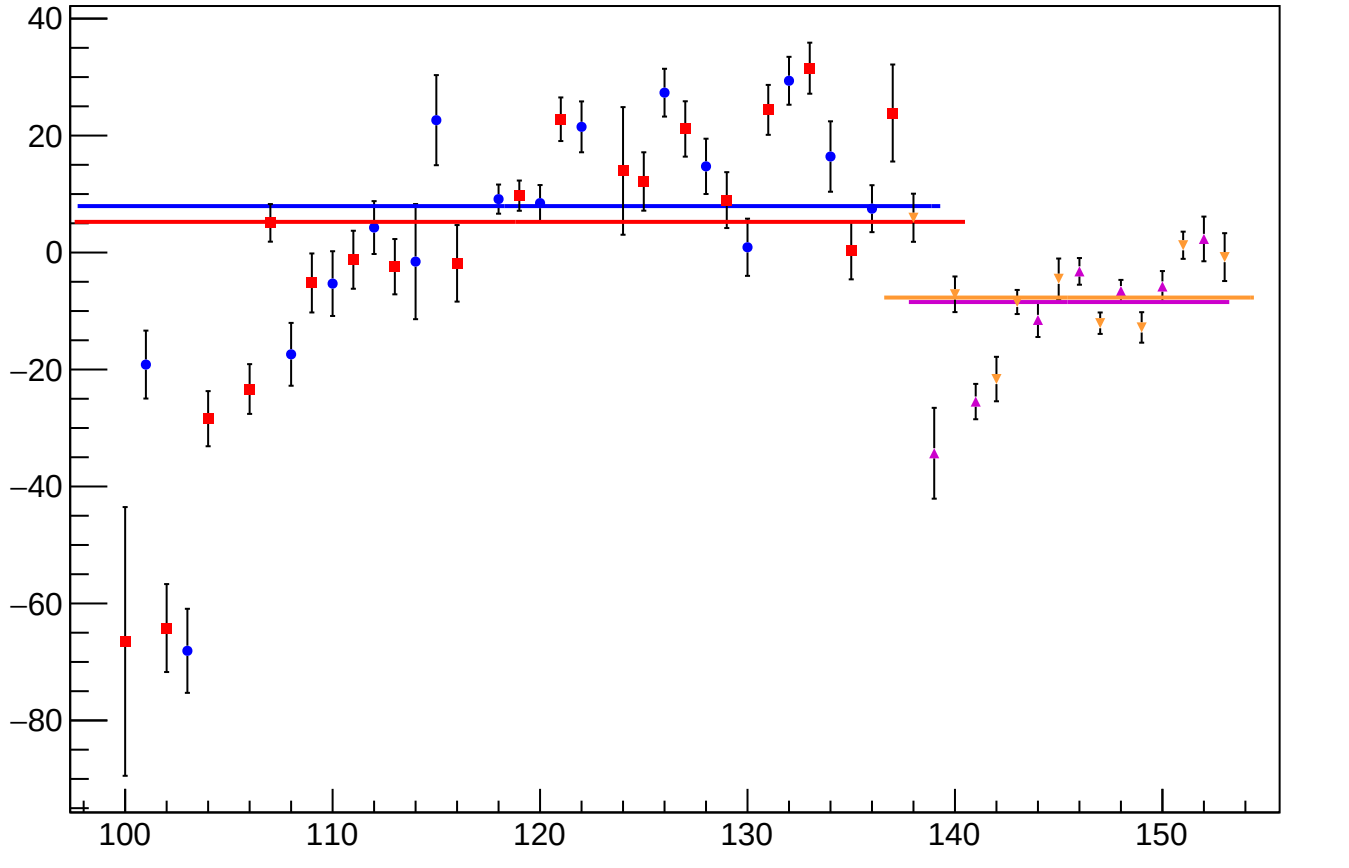
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.566+/-1.595 χ^2/NDF:101.1/6

+ sign 187.640+/-0.850 χ^2/NDF: 2829.5/24

All: 187.180+/-0.605 χ^2/NDF: 5685.2/50

- sign 186.710+/-0.860 χ^2/NDF: 2855.2/25



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.695+/-0.896 χ^2/NDF:52.7/8

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

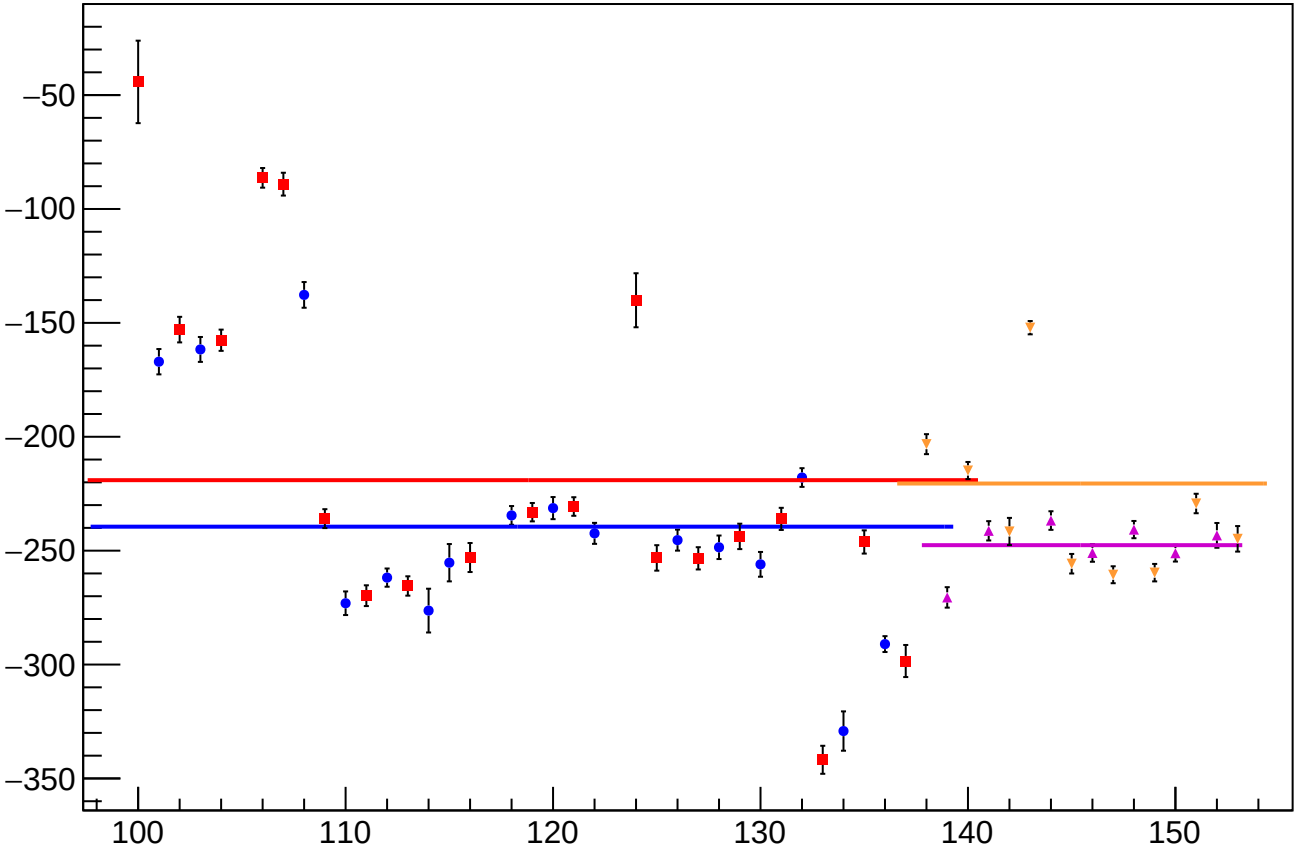
Left In: -8.464+/-1.041 χ^2/NDF:59.2/6

\+ sign -1.545+/-0.698 χ^2/NDF: 405.3/24

All: -1.641+/-0.509 χ^2/NDF: 852.4/50

\- sign -1.751+/-0.743 χ^2/NDF: 447.1/25

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -220.526+/-1.350 χ^2/NDF:888.6/8

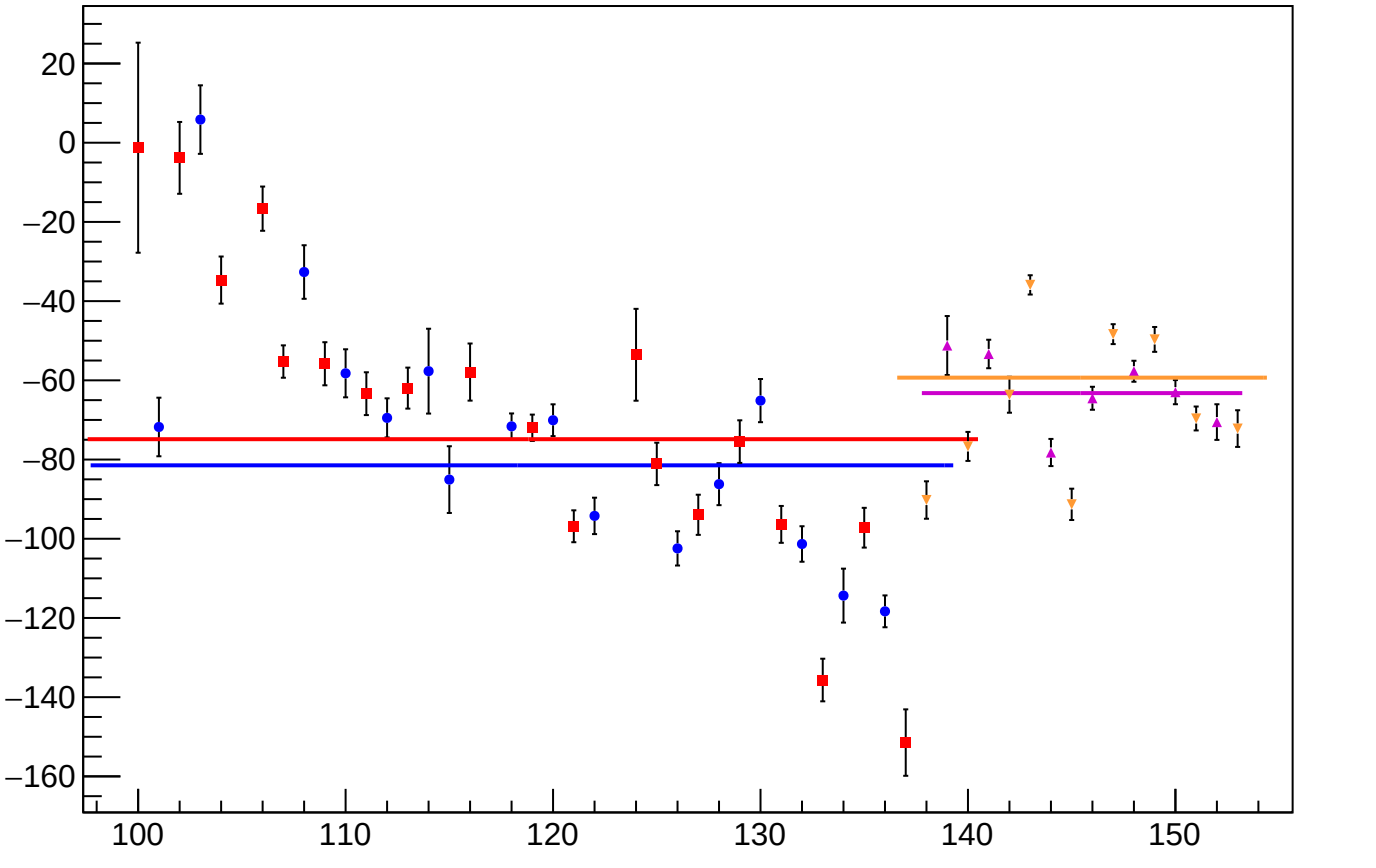
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.587+/-1.563 χ^2/NDF:40.9/6

+ sign -230.760+/-0.915 χ^2/NDF: 2157.2/24

All: -230.082+/-0.656 χ^2/NDF: 5461.1/50

- sign -229.367+/-0.940 χ^2/NDF: 3302.9/25



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.320+/-1.107 χ^2/NDF:271.9/8

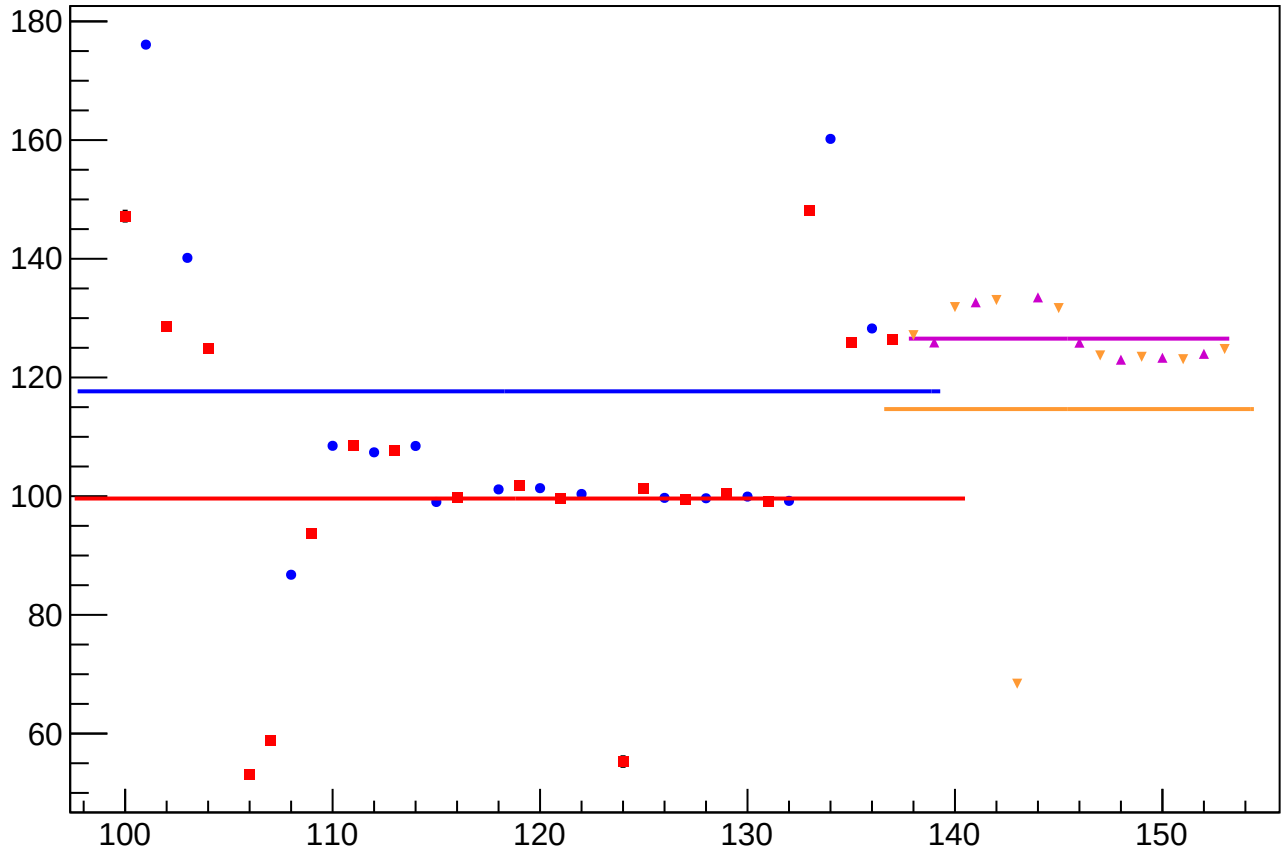
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.225+/-1.293 χ^2/NDF:36.5/6

+ sign -68.735+/-0.839 χ^2/NDF: 808.5/24

All: -69.015+/-0.611 χ^2/NDF: 1464.4/50

- sign -69.331+/-0.891 χ^2/NDF: 655.6/25



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 114.676+/-0.056 χ^2/NDF:186926.2/8

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

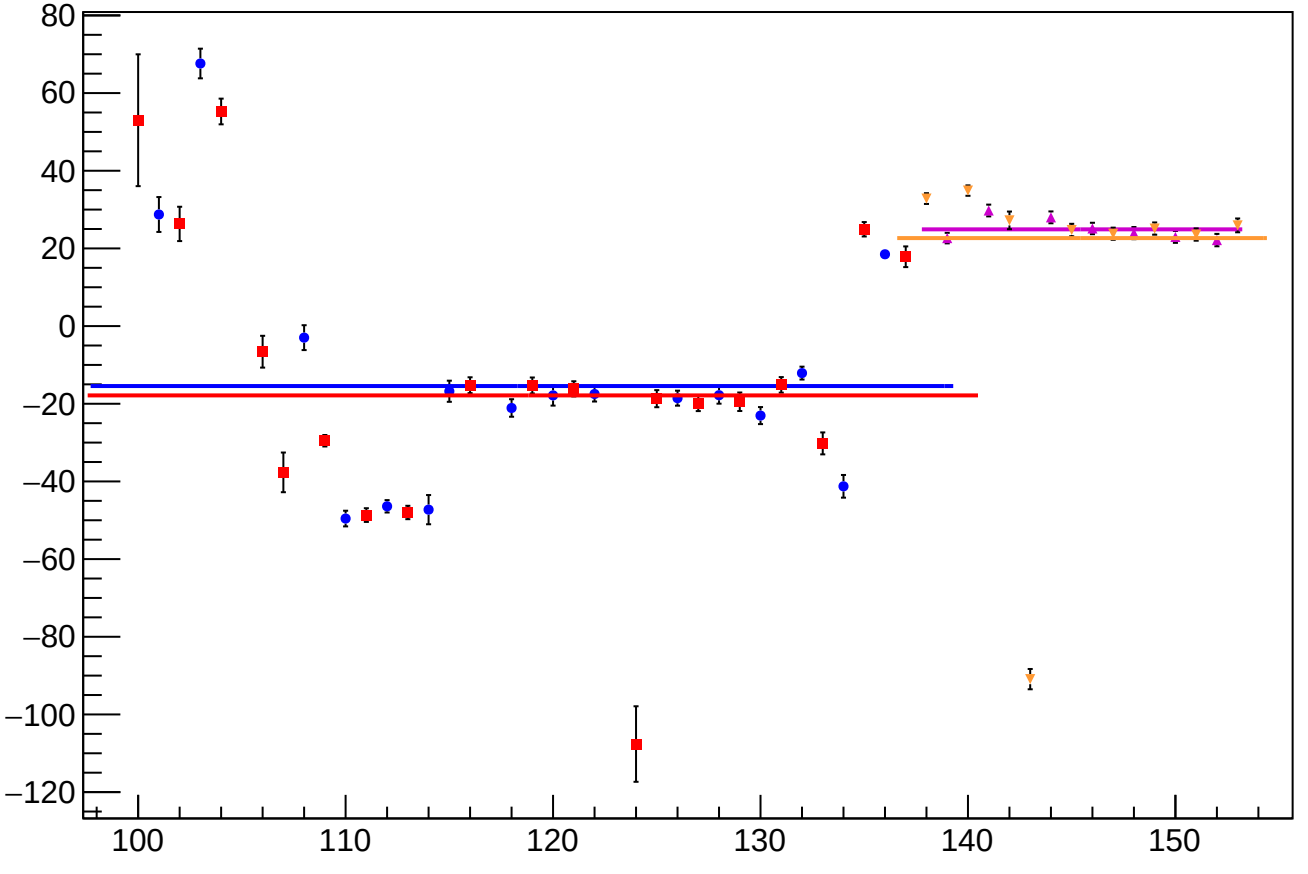
Left In: 126.543+/-0.063 χ^2/NDF:3900.9/6

+ sign 115.681+/-0.045 χ^2/NDF: 283292.4/24

All: 115.128+/-0.033 χ^2/NDF: 535120.7/50

- sign 114.536+/-0.047 χ^2/NDF: 251520.3/25

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 22.659+/-0.548 χ^2/NDF:2039.4/8

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

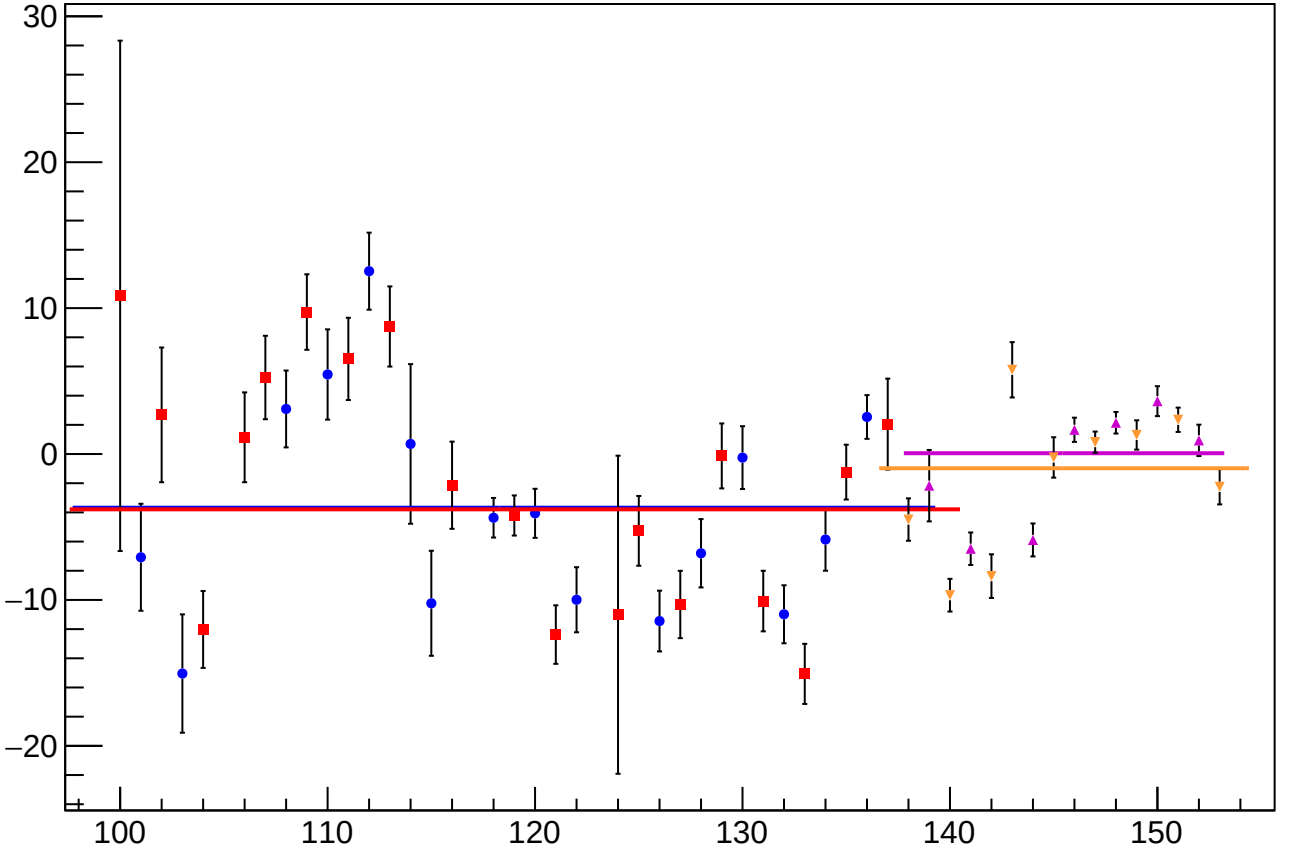
Left In: 24.910+/-0.568 χ^2/NDF:22.1/6

+ sign 3.307+/-0.384 χ^2/NDF: 6621.4/24

All: 2.673+/-0.273 χ^2/NDF: 11803.9/50

- sign 2.028+/-0.387 χ^2/NDF: 5177.1/25

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.975+/-0.364 χ^2/NDF:131.8/8

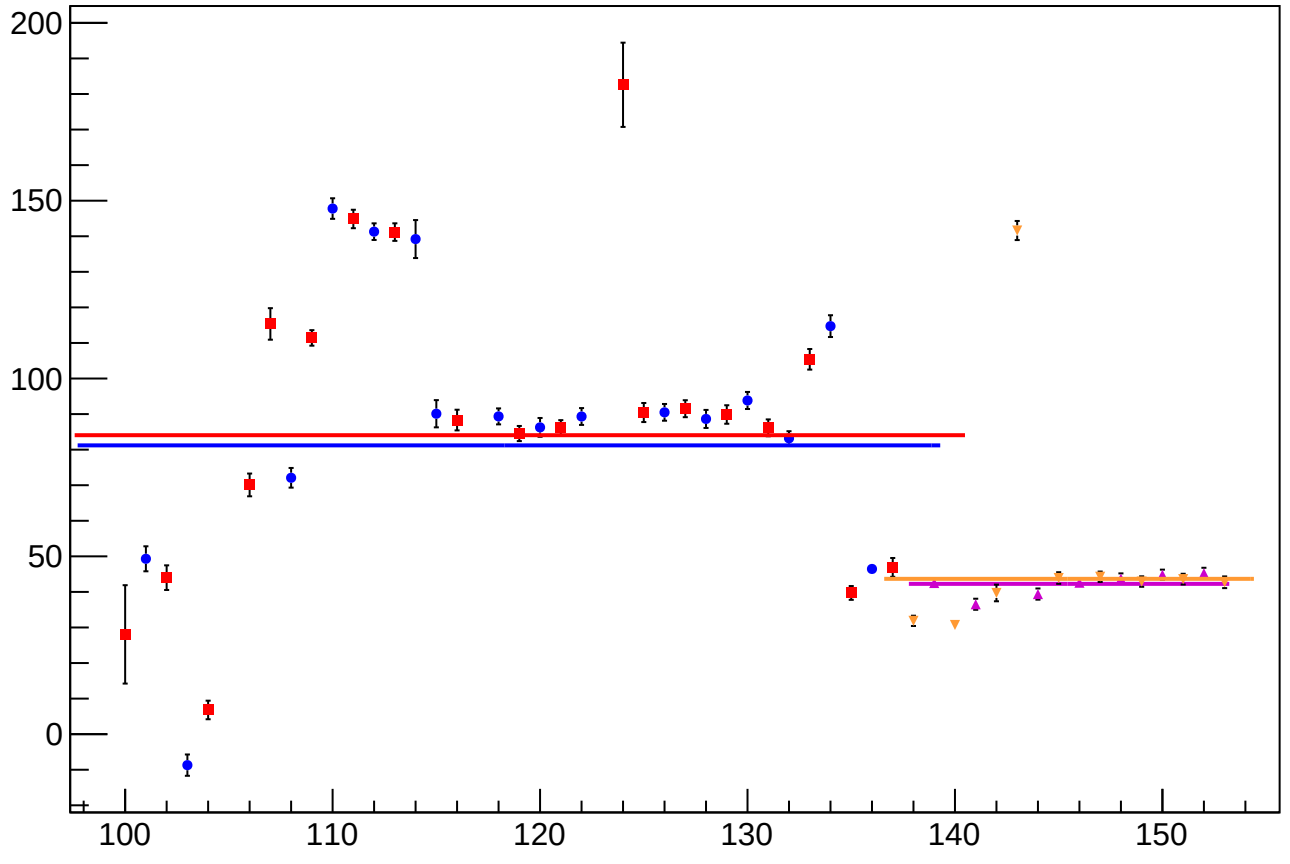
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: 0.055+/-0.382 χ^2/NDF:87.5/6

+ sign -1.794+/-0.304 χ^2/NDF: 272.5/24

All: -1.488+/-0.219 χ^2/NDF: 555.2/50

- sign -1.155+/-0.316 χ^2/NDF: 280.6/25



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.676+/-0.539 χ^2/NDF:1487.7/8

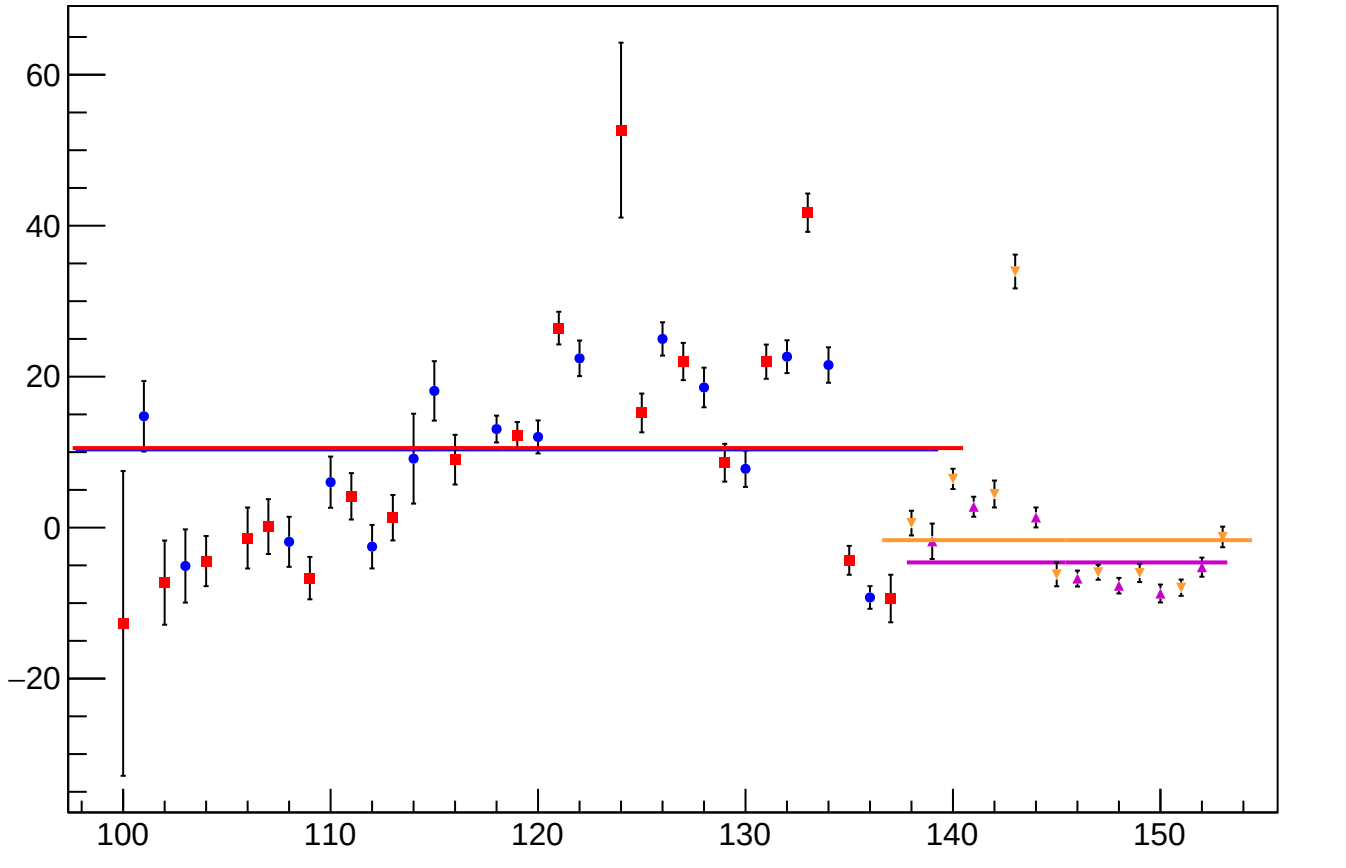
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 42.264+/-0.558 χ^2/NDF:25.1/6

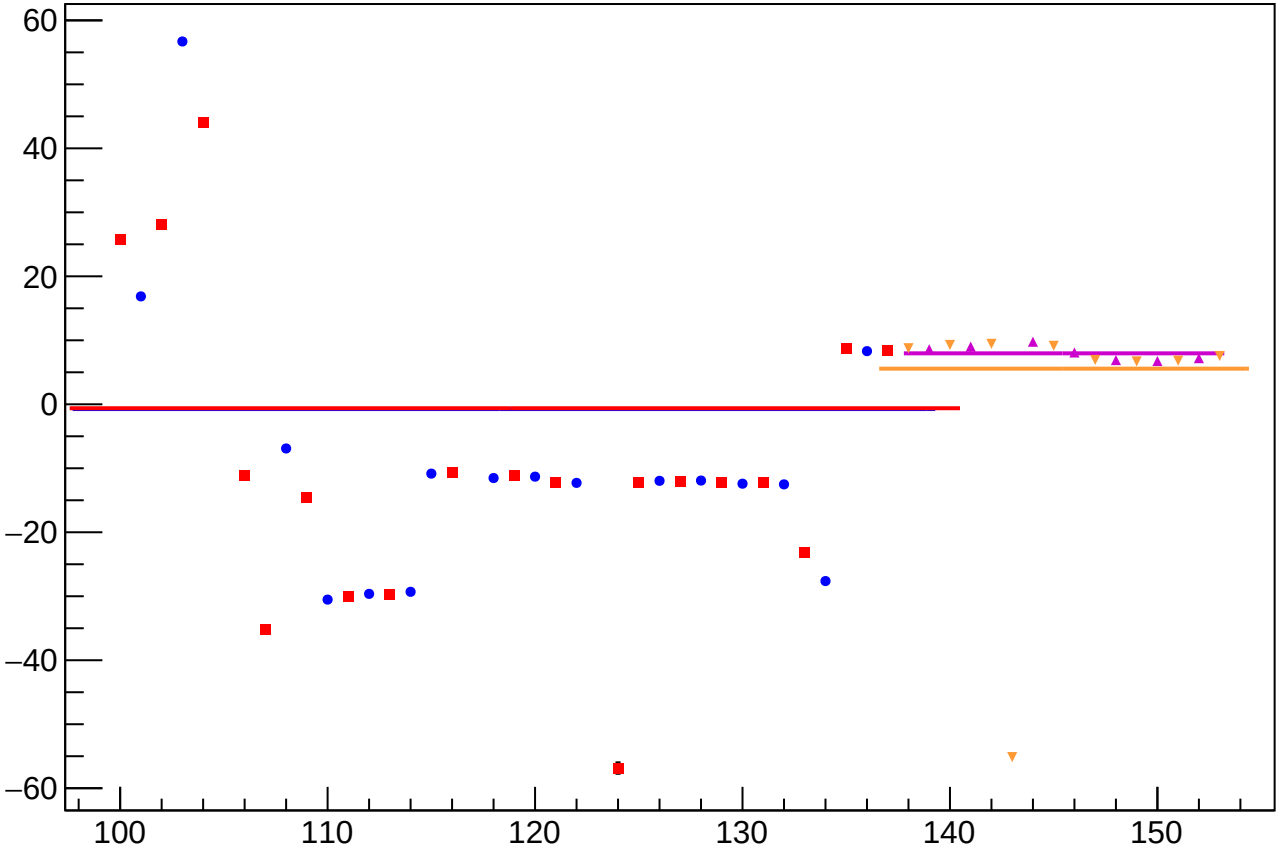
+ sign 60.227+/-0.403 χ^2/NDF: 6854.2/24

All: 60.656+/-0.289 χ^2/NDF: 12614.9/50

- sign 61.108+/-0.414 χ^2/NDF: 5758.3/25


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.660+/-0.449 χ²/NDF:376.4/8
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -4.610+/-0.471 χ²/NDF:78.3/6
+ sign 2.426+/-0.365 χ²/NDF: 979.5/24
All: 1.604+/-0.263 χ²/NDF: 1902.1/50
- sign 0.715+/-0.380 χ²/NDF: 912.1/25

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.569+/-0.022 χ^2/NDF:309054.8/8

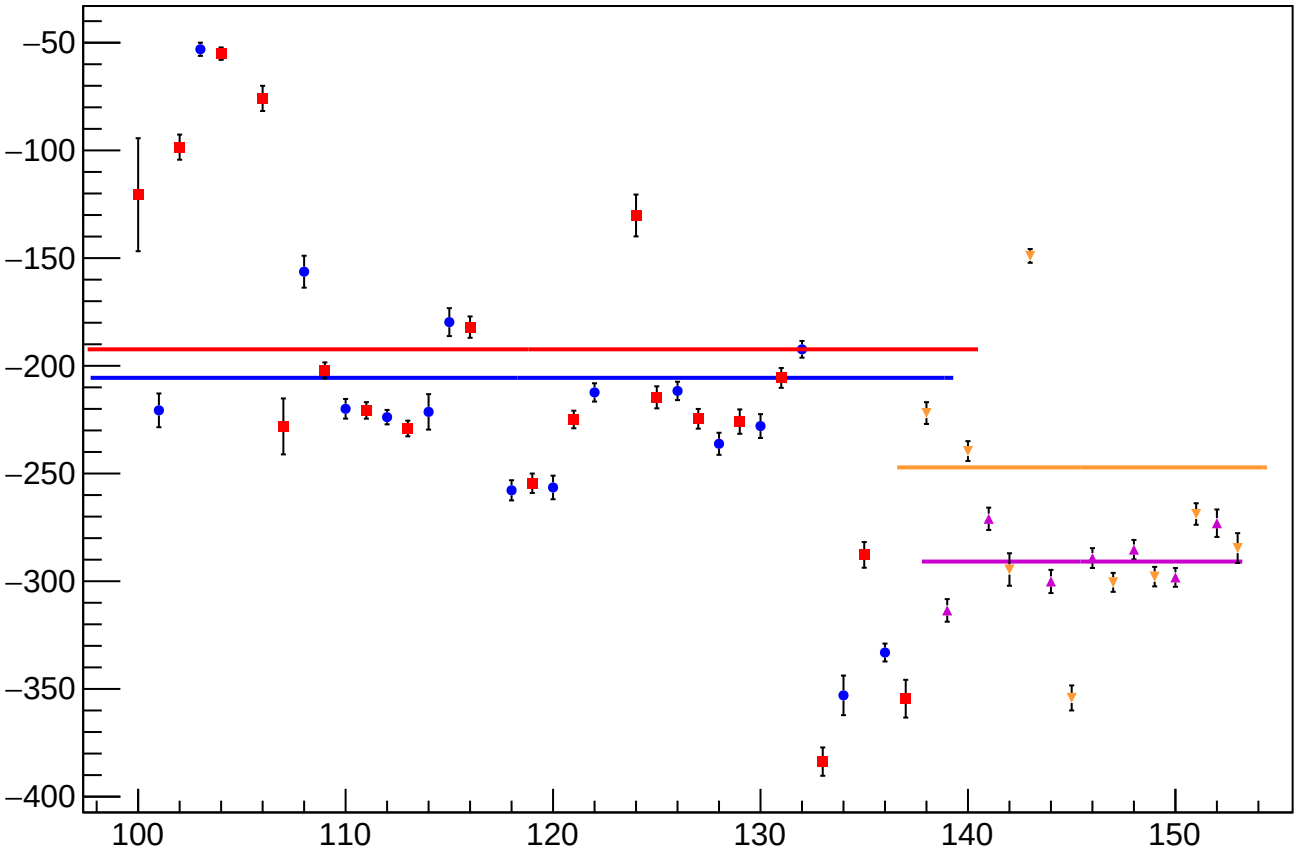
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.964+/-0.022 χ^2/NDF:2050.9/6

+ sign 3.870+/-0.019 χ^2/NDF: 699684.1/24

All: 4.776+/-0.013 χ^2/NDF: 1062161.7/50

- sign 5.727+/-0.019 χ^2/NDF: 357618.1/25



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -247.158+/-1.598 χ^2/NDF:1663.8/8

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

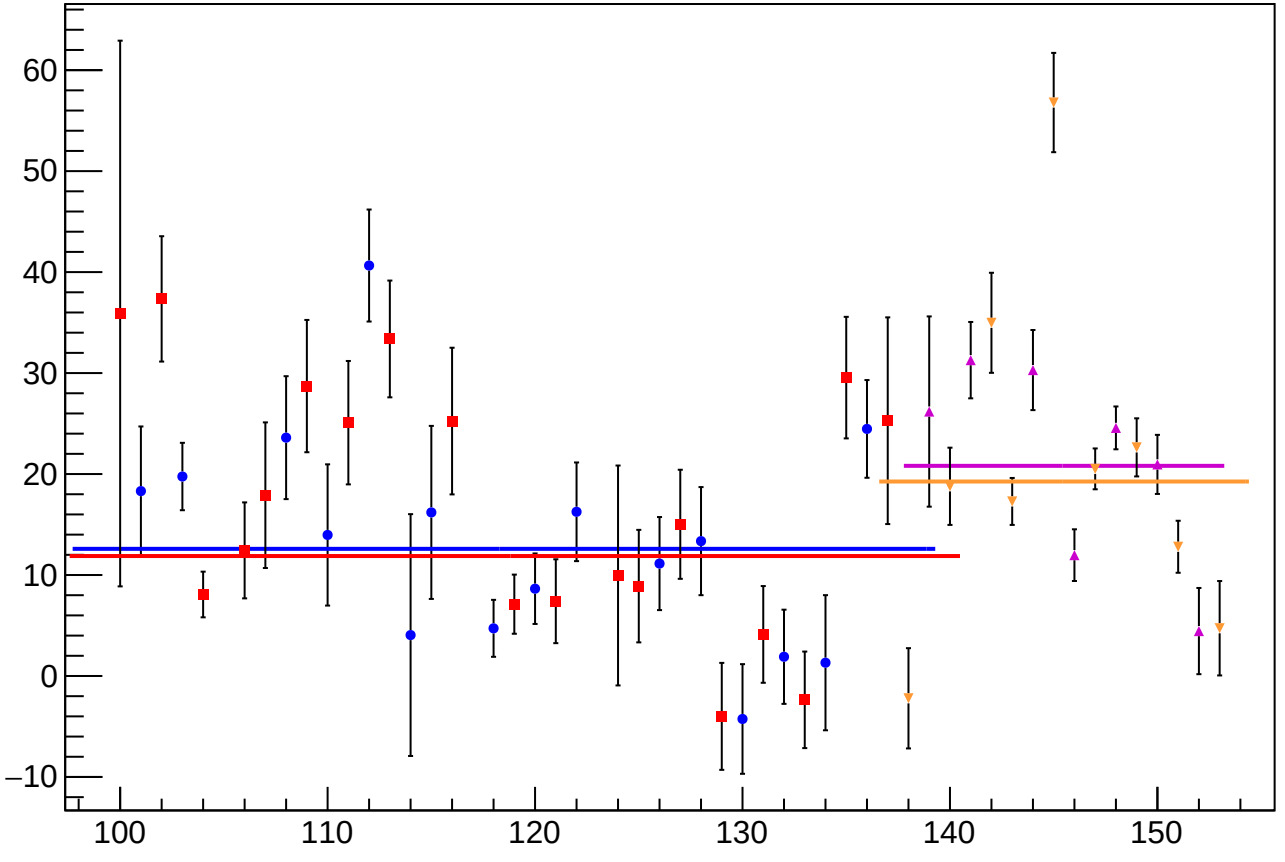
Left In: -290.868+/-1.885 χ^2/NDF:48.6/6

+ sign -220.329+/-0.952 χ^2/NDF: 6156.8/24

All: -219.251+/-0.677 χ^2/NDF: 13195.1/50

- sign -218.144+/-0.964 χ^2/NDF: 7035.7/25

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 19.259+/-1.033 χ^2/NDF:105.5/8

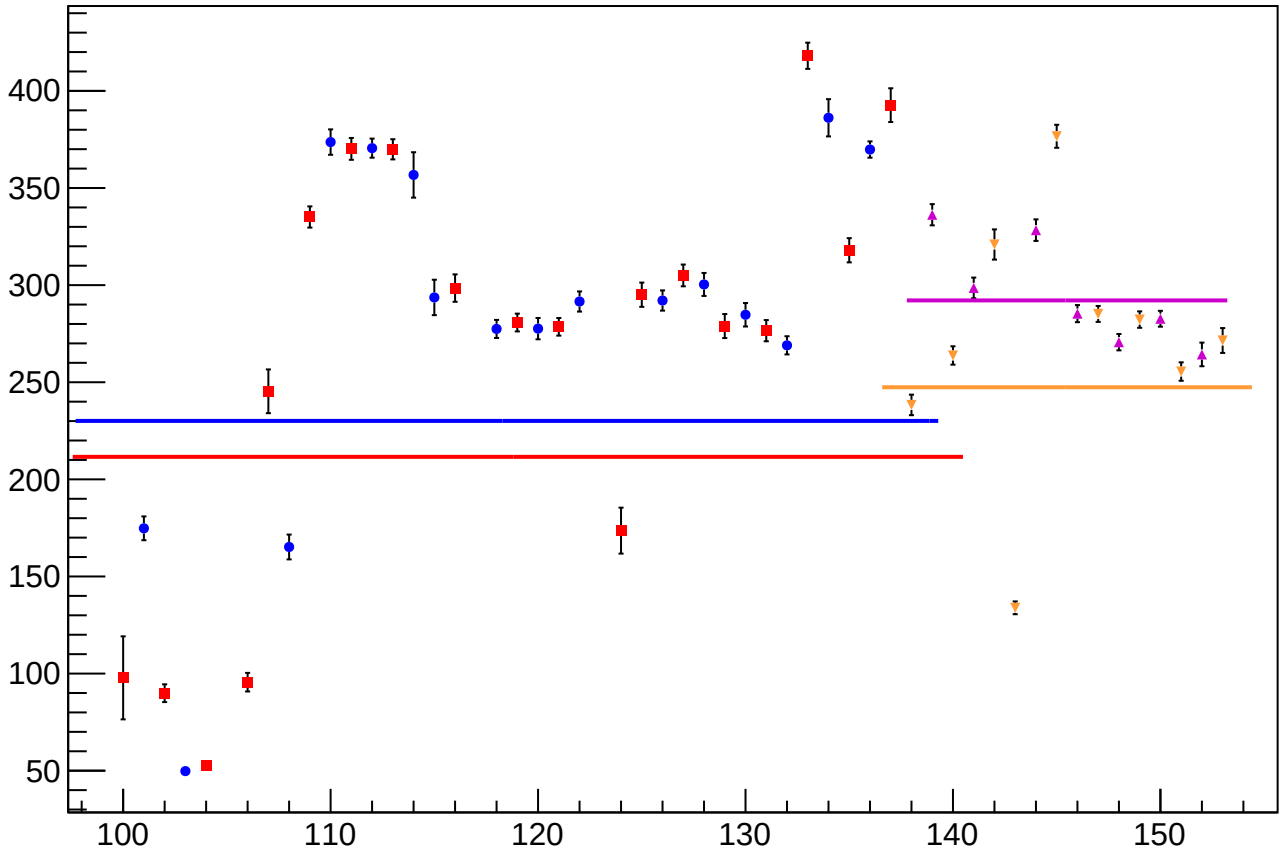
Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 20.813+/-1.203 χ^2/NDF:43.5/6

+ sign 16.431+/-0.783 χ^2/NDF: 191.7/24

All: 16.242+/-0.567 χ^2/NDF: 349.7/50

- sign 16.035+/-0.820 χ^2/NDF: 157.9/25



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 247.422+/-1.579 χ^2/NDF:1934.7/8

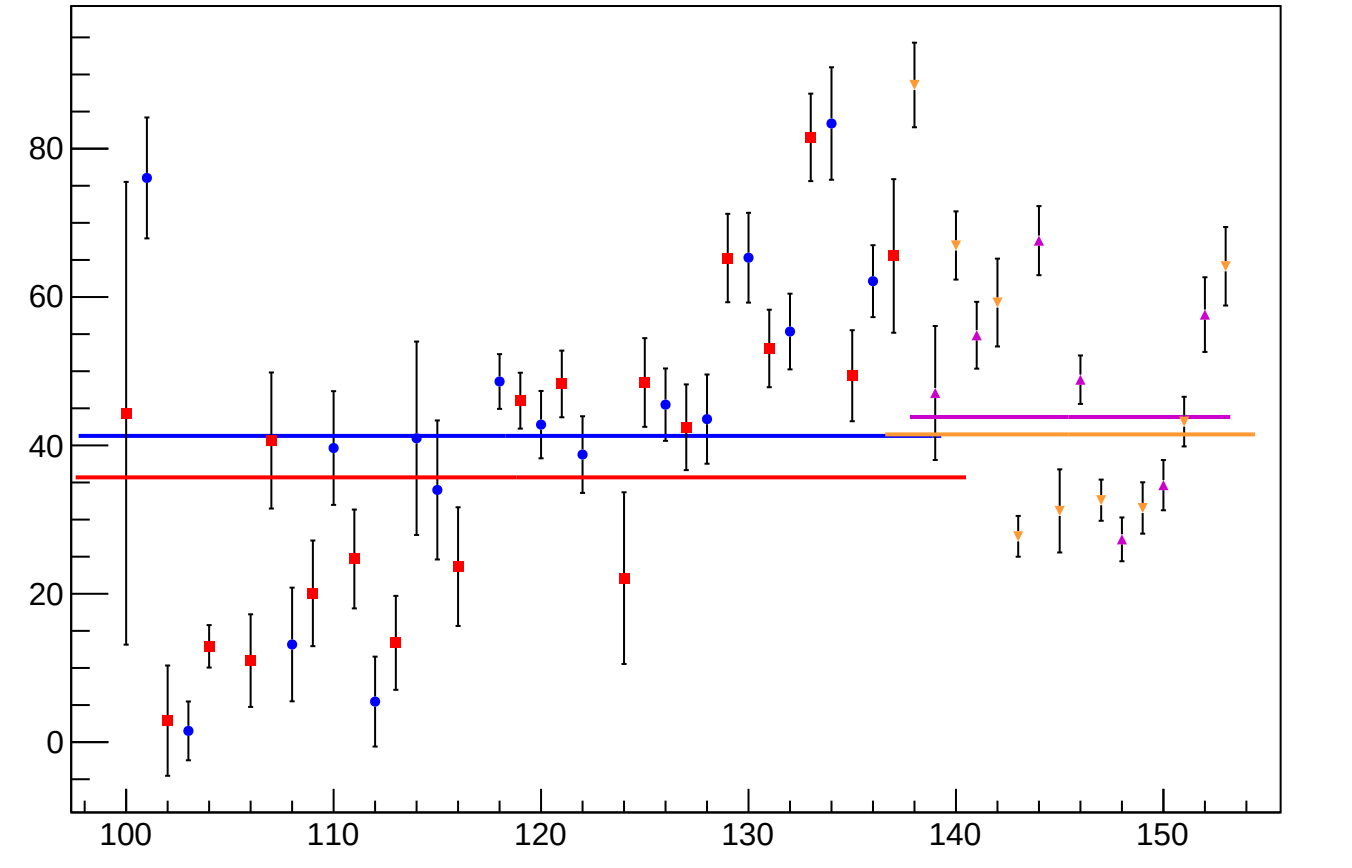
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 292.132+/-1.837 χ^2/NDF:163.8/6

+ sign 236.835+/-0.985 χ^2/NDF: 11384.0/24

All: 236.202+/-0.702 χ^2/NDF: 24371.4/50

- sign 235.546+/-1.002 χ^2/NDF: 12986.6/25



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 41.484+/-1.282 χ^2/NDF:173.3/8

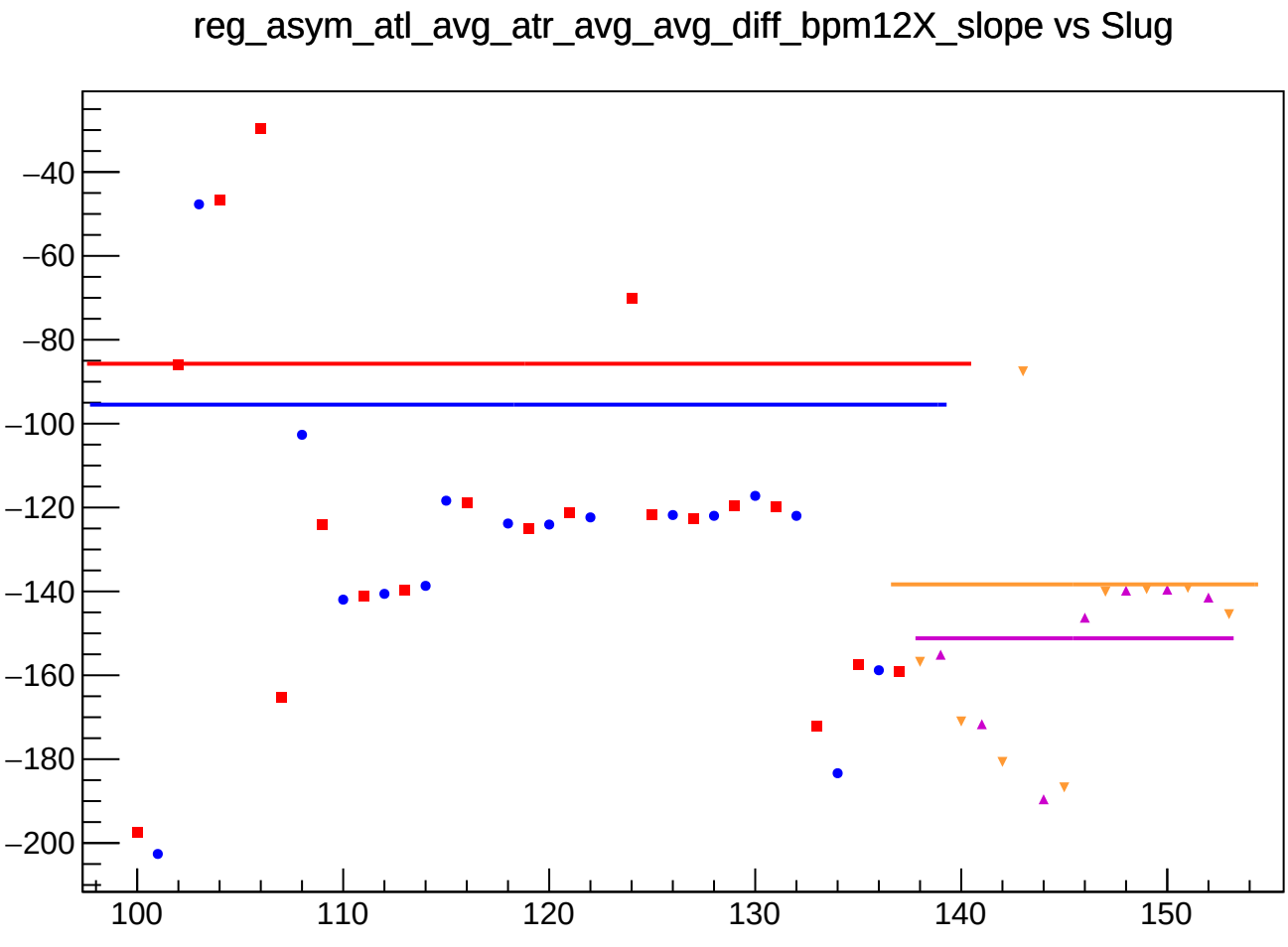
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 43.830+/-1.502 χ^2/NDF:80.7/6

+ sign 41.391+/-0.945 χ^2/NDF: 419.0/24

All: 40.361+/-0.684 χ^2/NDF: 772.0/50

- sign 39.228+/-0.990 χ^2/NDF: 350.5/25



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -138.325+/-0.065 χ^2/NDF:229407.9/8

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

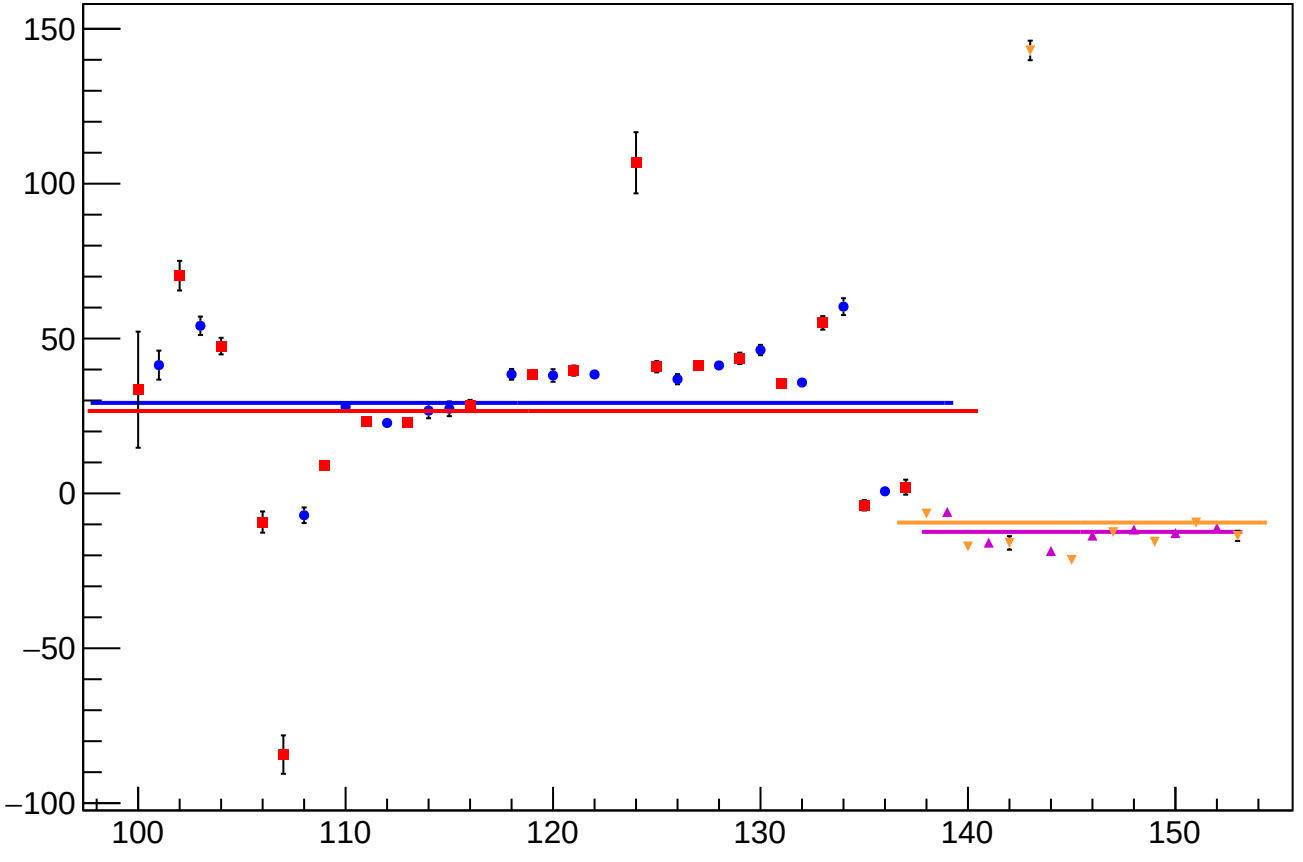
Left In: -151.184+/-0.074 χ^2/NDF:45025.4/6

+ sign -118.265+/-0.048 χ^2/NDF: 951911.5/24

All: -116.819+/-0.034 χ^2/NDF: 1912730.7/50

- sign -115.242+/-0.050 χ^2/NDF: 958882.1/25

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -9.410+/-0.514 χ^2/NDF:2474.7/8

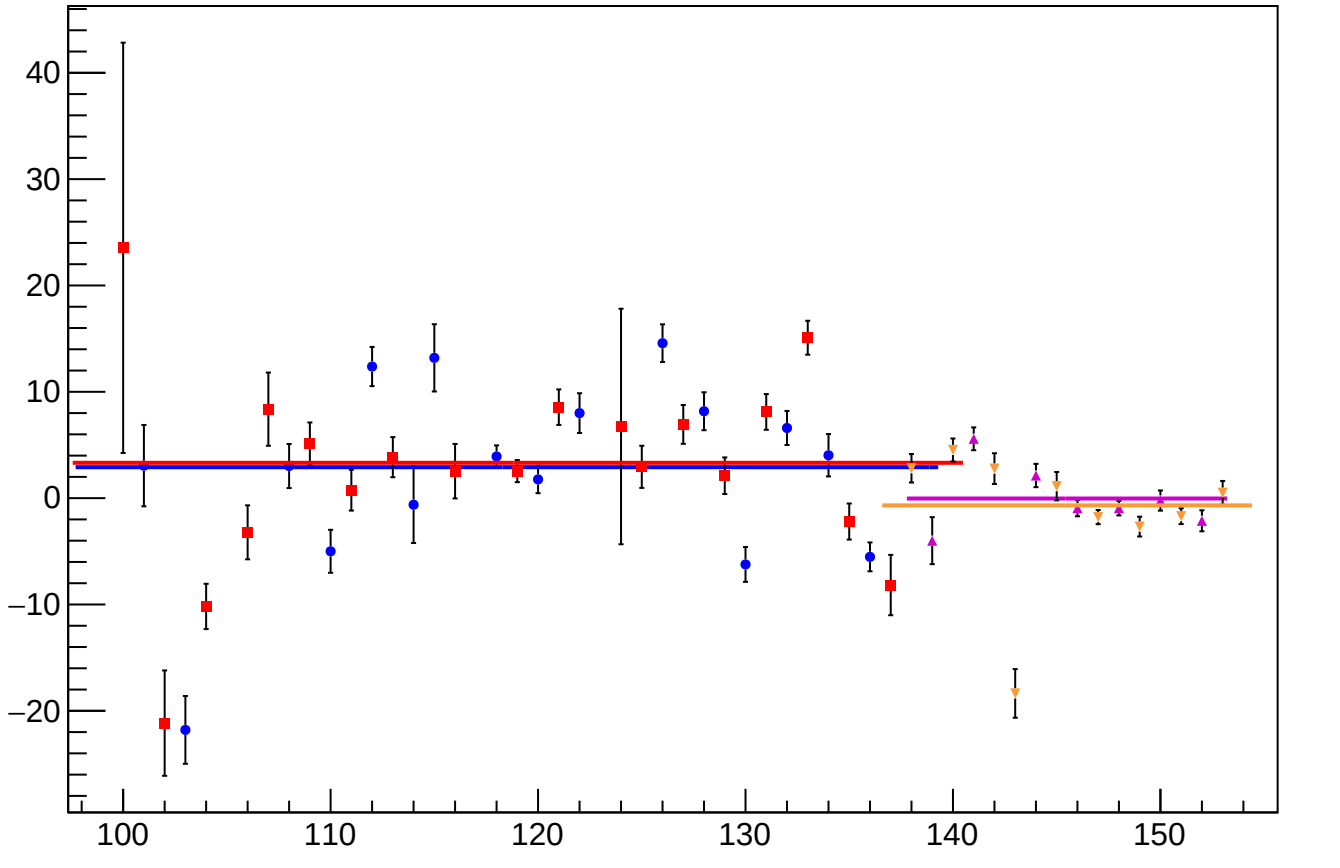
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

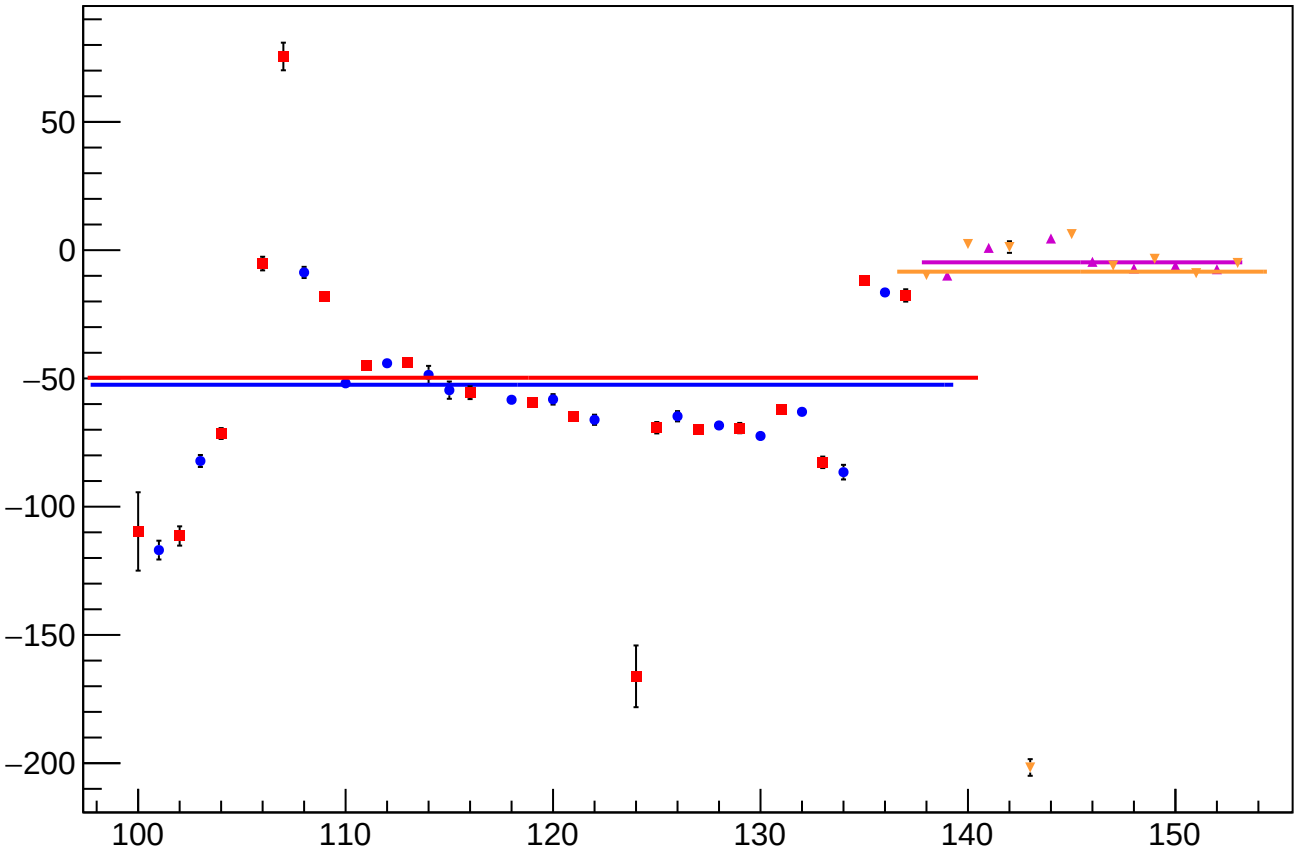
Left In: -12.418+/-0.528 χ^2/NDF:52.7/6

\+ sign 13.571+/-0.327 χ^2/NDF: 7178.6/24

All: 12.661+/-0.231 χ^2/NDF: 12547.5/50

\- sign 11.758+/-0.326 χ^2/NDF: 5353.5/25


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: -0.677+/-0.339 χ²/NDF:107.8/8
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: -0.035+/-0.356 χ²/NDF:42.2/6
+ sign 0.652+/-0.269 χ²/NDF: 399.2/24
All: 0.938+/-0.194 χ²/NDF: 659.4/50
- sign 1.246+/-0.280 χ²/NDF: 257.9/25



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.379+/-0.505 χ^2/NDF:3742.2/8

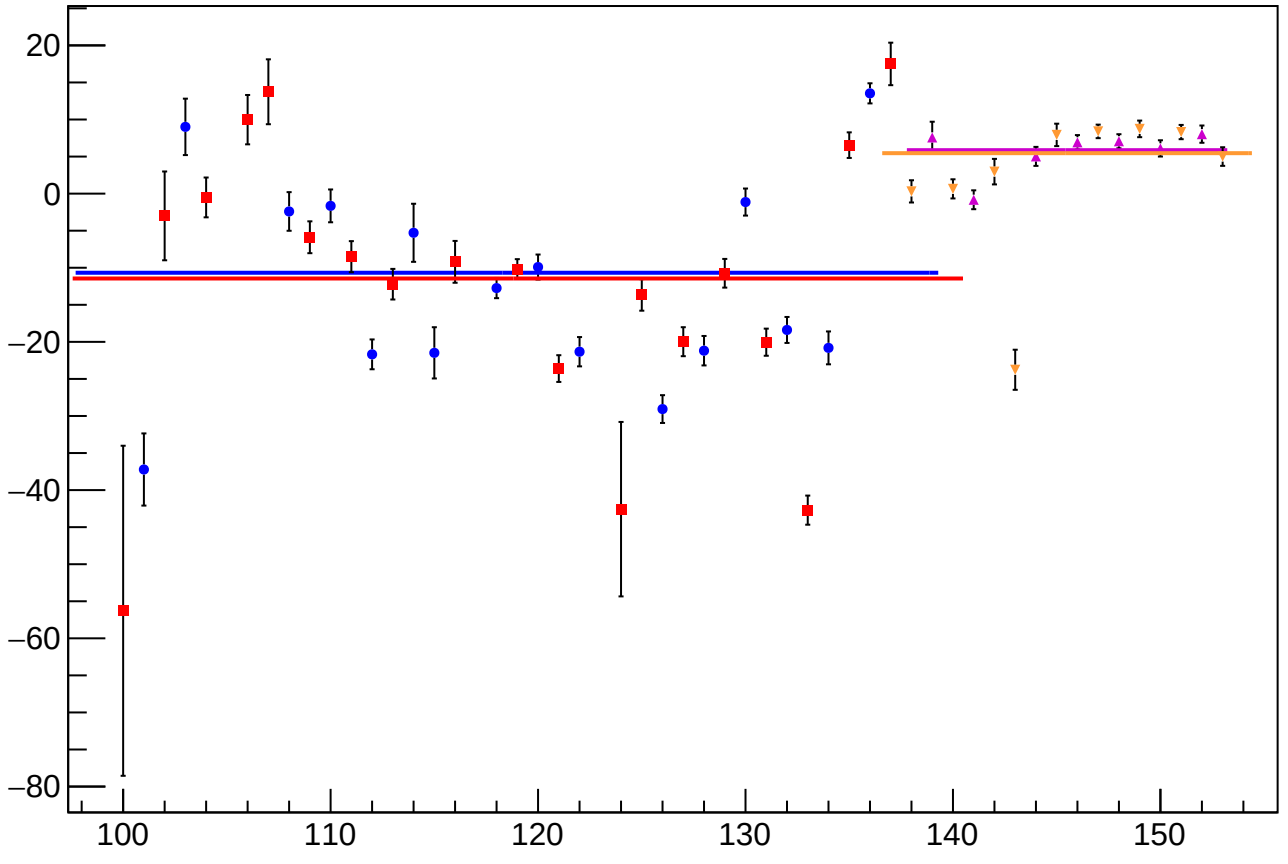
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.741+/-0.519 χ^2/NDF:75.6/6

\+ sign -31.191+/-0.351 χ^2/NDF: 10014.8/24

All: -29.792+/-0.251 χ^2/NDF: 17076.9/50

\- sign -28.337+/-0.358 χ^2/NDF: 7029.7/25



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.459+/-0.420 χ^2/NDF:175.0/8

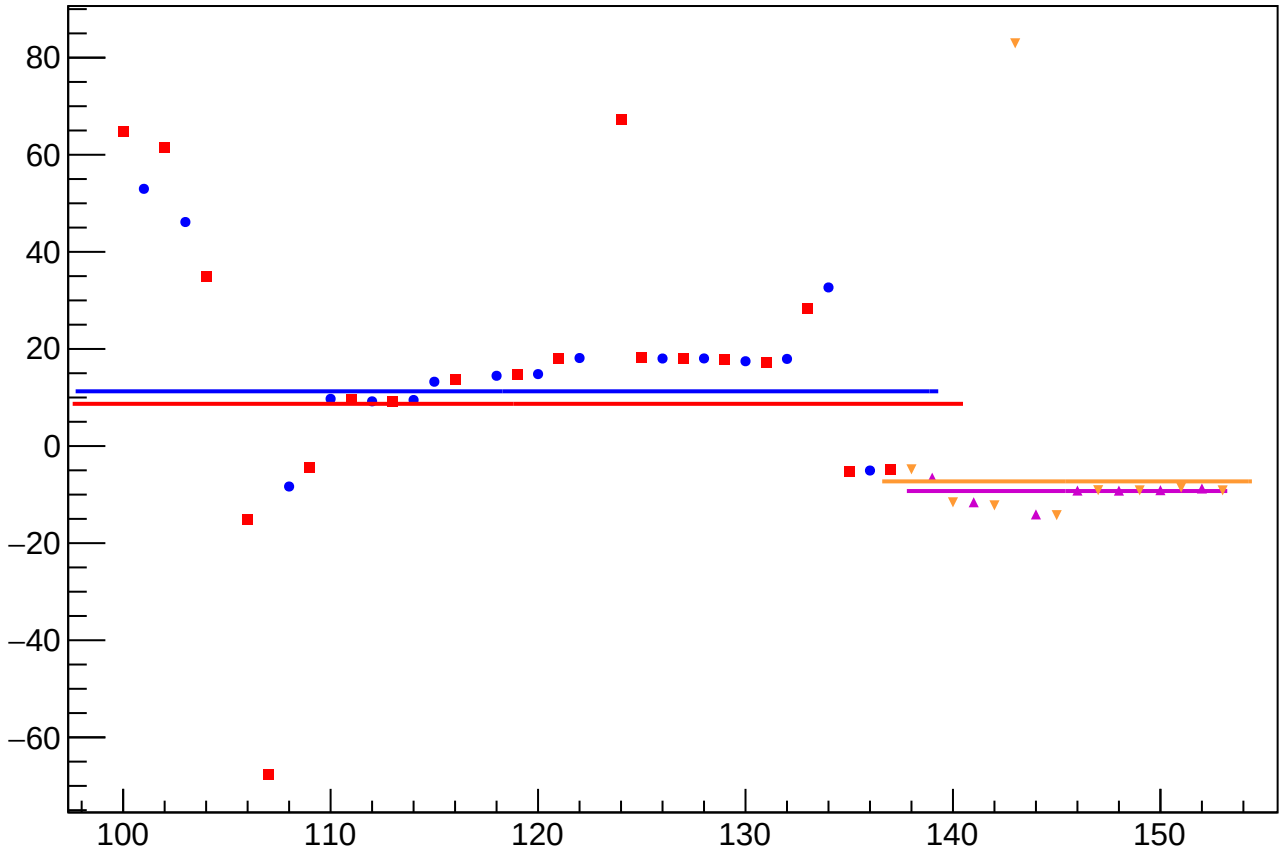
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.863+/-0.439 χ^2/NDF:35.0/6

+ sign -1.132+/-0.323 χ^2/NDF: 1444.0/24

All: -1.266+/-0.232 χ^2/NDF: 2797.9/50

- sign -1.409+/-0.334 χ^2/NDF: 1353.5/25



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.277+/-0.020 χ^2/NDF:472952.2/8

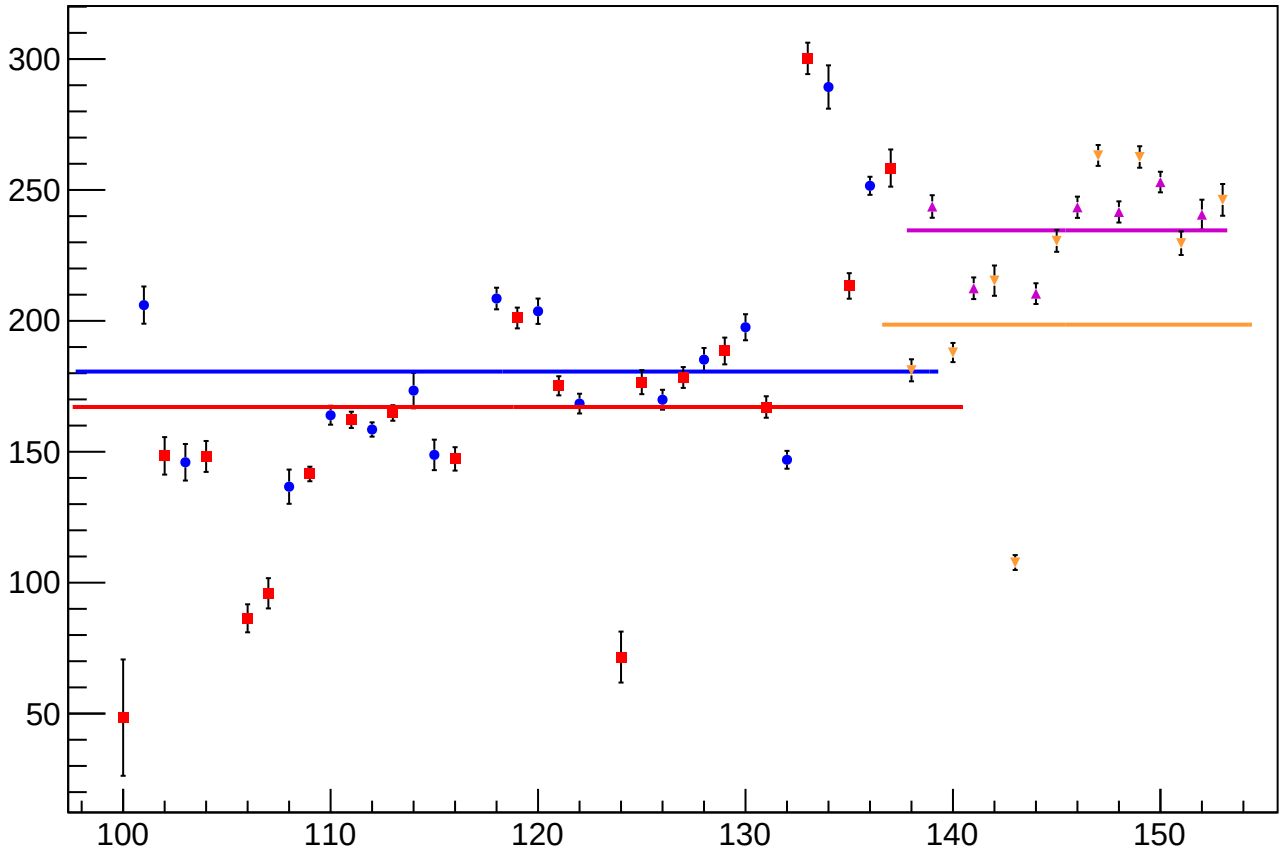
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.264+/-0.021 χ^2/NDF:10200.9/6

\+ sign -1.413+/-0.017 χ^2/NDF: 1085255.7/24

All: -2.623+/-0.012 χ^2/NDF: 1771168.7/50

\- sign -3.887+/-0.017 χ^2/NDF: 675327.3/25



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 198.554+/-1.360 χ^2/NDF:1730.3/8

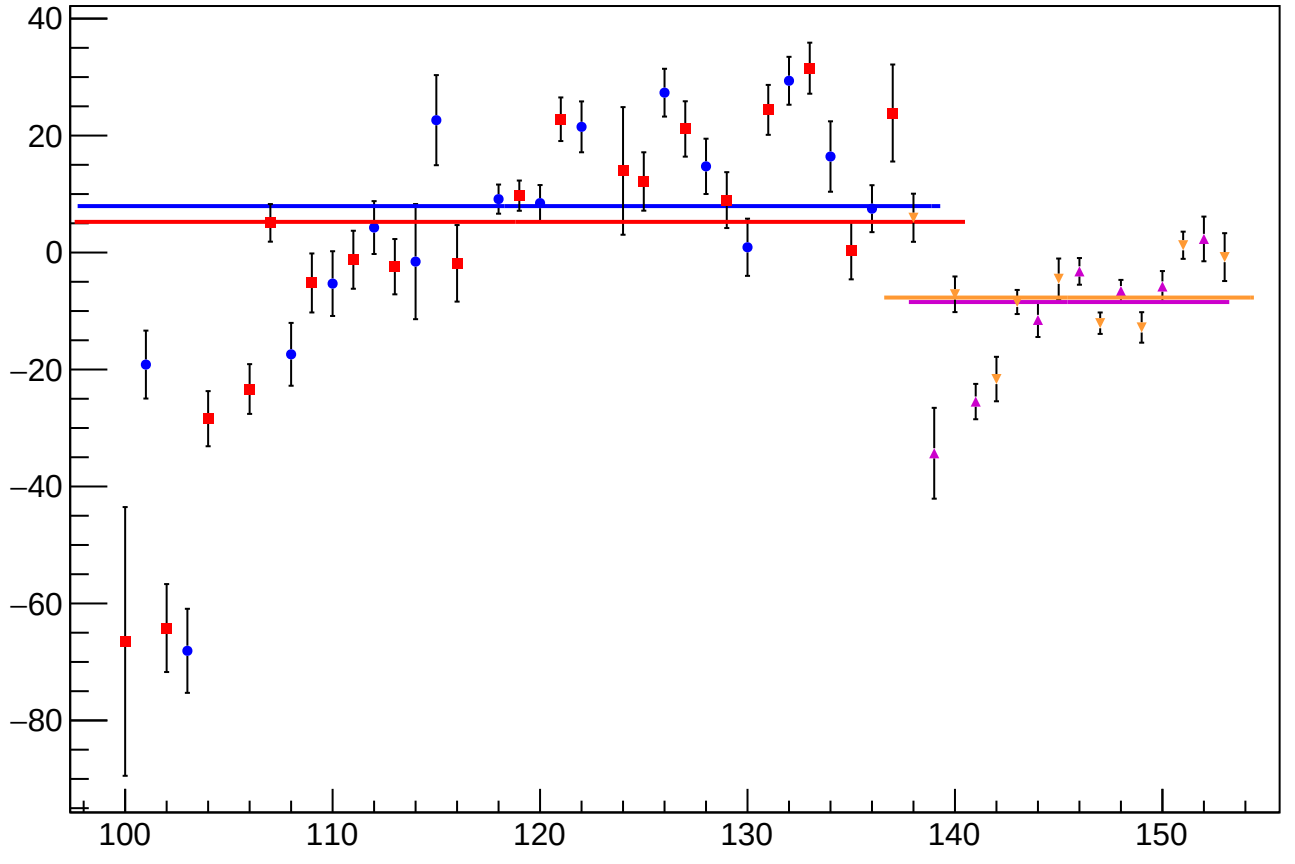
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.566+/-1.595 χ^2/NDF:101.1/6

+ sign 187.640+/-0.850 χ^2/NDF: 2829.5/24

All: 187.180+/-0.605 χ^2/NDF: 5685.2/50

- sign 186.710+/-0.860 χ^2/NDF: 2855.2/25



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.695+/-0.896 χ^2/NDF:52.7/8

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

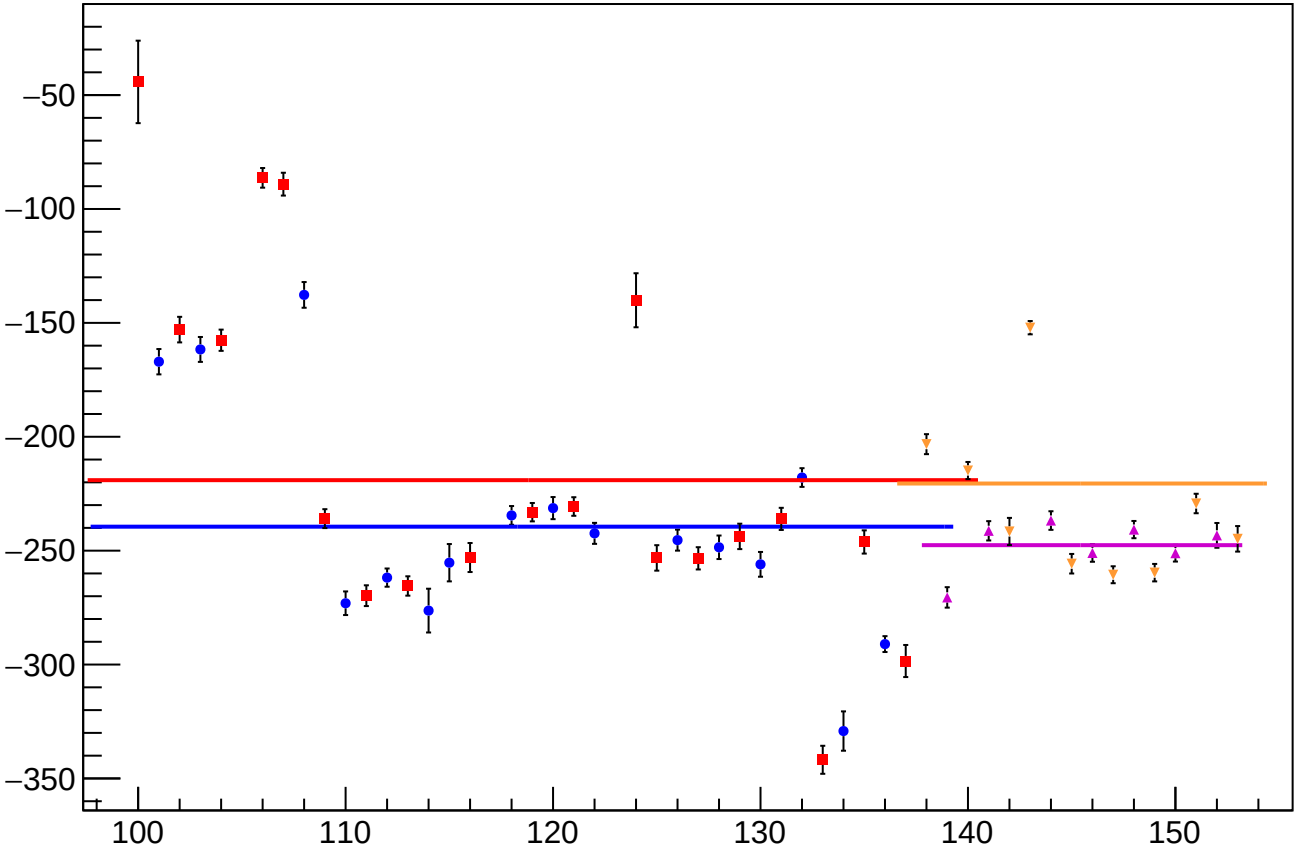
Left In: -8.464+/-1.041 χ^2/NDF:59.2/6

\+ sign -1.545+/-0.698 χ^2/NDF: 405.3/24

All: -1.641+/-0.509 χ^2/NDF: 852.4/50

\- sign -1.751+/-0.743 χ^2/NDF: 447.1/25

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -220.526+/-1.350 χ^2/NDF:888.6/8

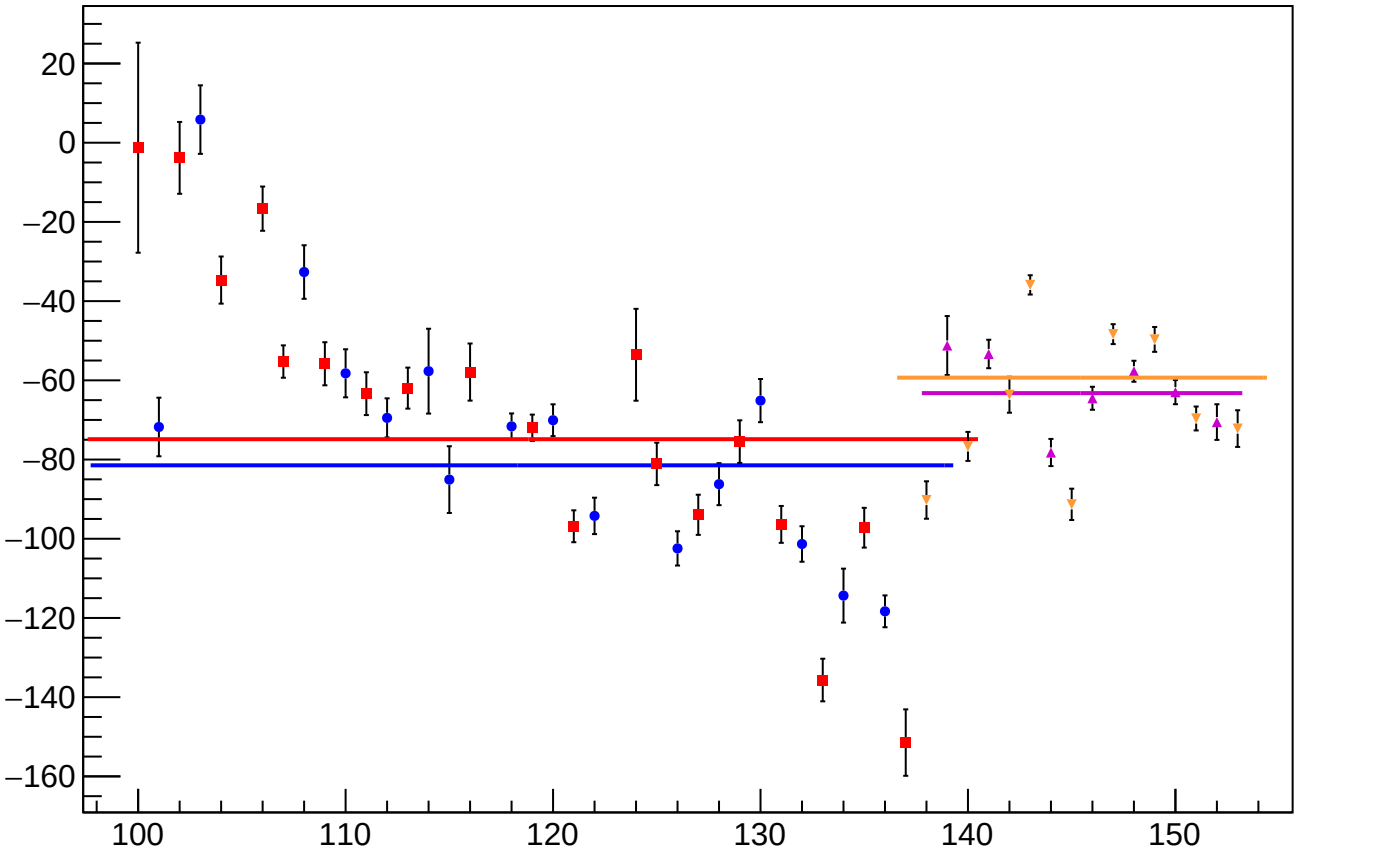
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.587+/-1.563 χ^2/NDF:40.9/6

+ sign -230.760+/-0.915 χ^2/NDF: 2157.2/24

All: -230.082+/-0.656 χ^2/NDF: 5461.1/50

- sign -229.367+/-0.940 χ^2/NDF: 3302.9/25



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.320+/-1.107 χ^2/NDF:271.9/8

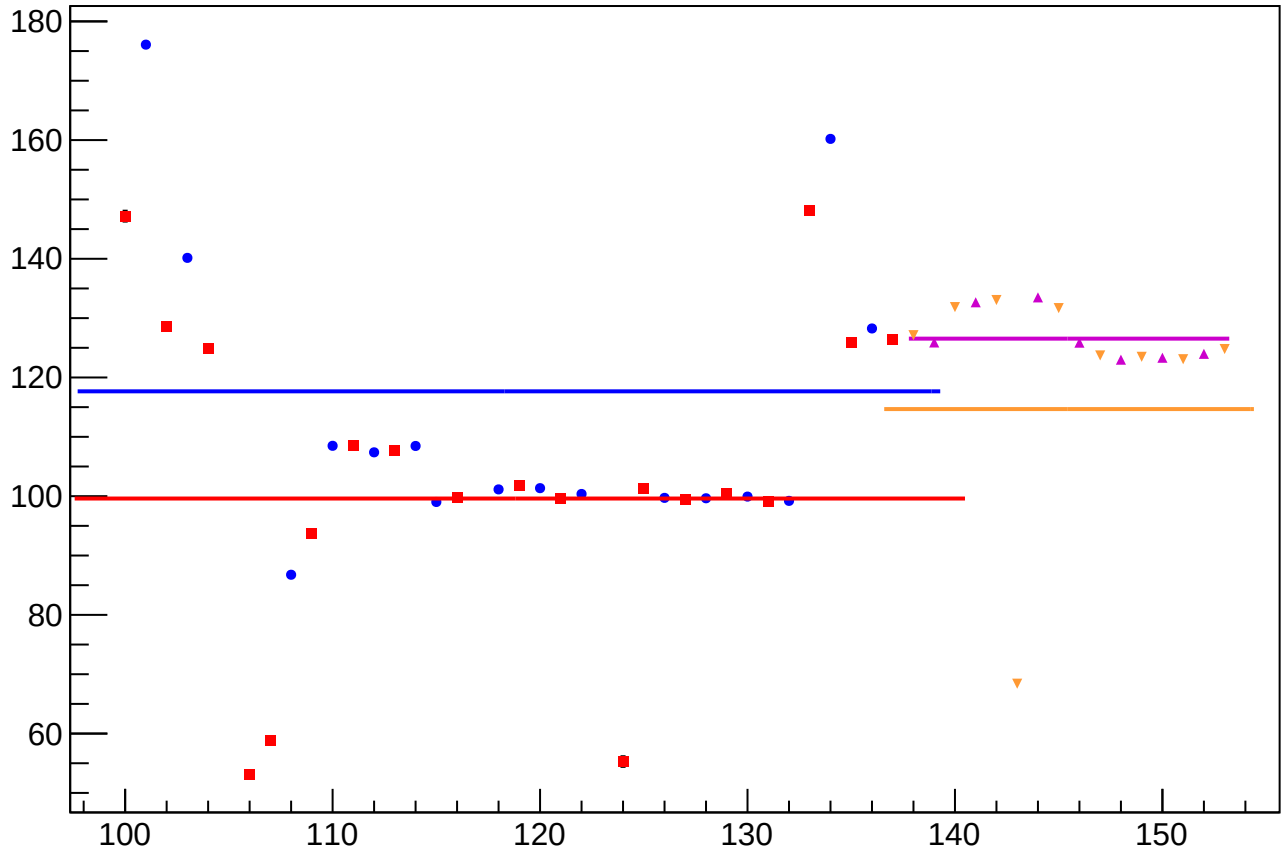
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.225+/-1.293 χ^2/NDF:36.5/6

+ sign -68.735+/-0.839 χ^2/NDF: 808.5/24

All: -69.015+/-0.611 χ^2/NDF: 1464.4/50

- sign -69.331+/-0.891 χ^2/NDF: 655.6/25



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 114.676+/-0.056 χ^2/NDF:186926.2/8

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

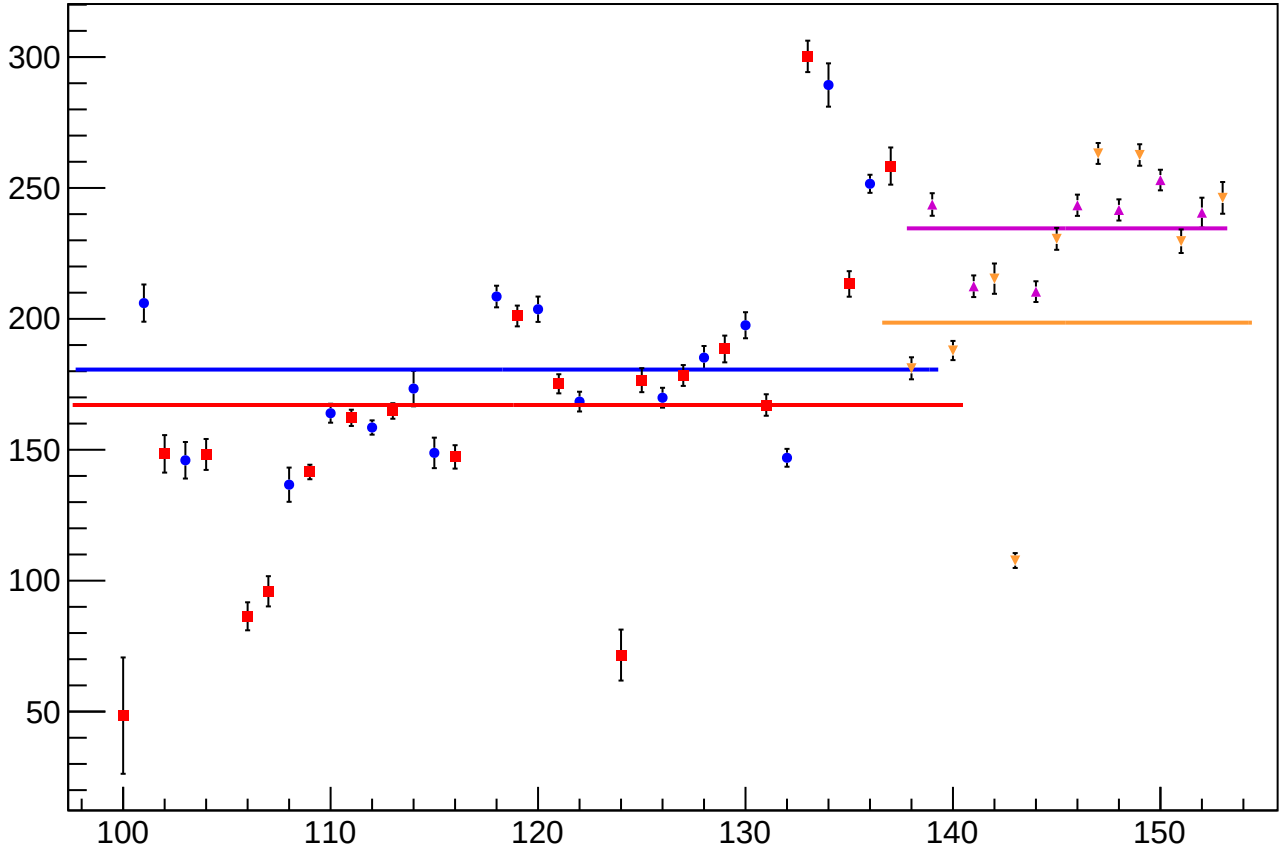
Left In: 126.543+/-0.063 χ^2/NDF:3900.9/6

+ sign 115.681+/-0.045 χ^2/NDF: 283292.4/24

All: 115.128+/-0.033 χ^2/NDF: 535120.7/50

- sign 114.536+/-0.047 χ^2/NDF: 251520.3/25

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 198.554+/-1.360 χ^2/NDF:1730.3/8

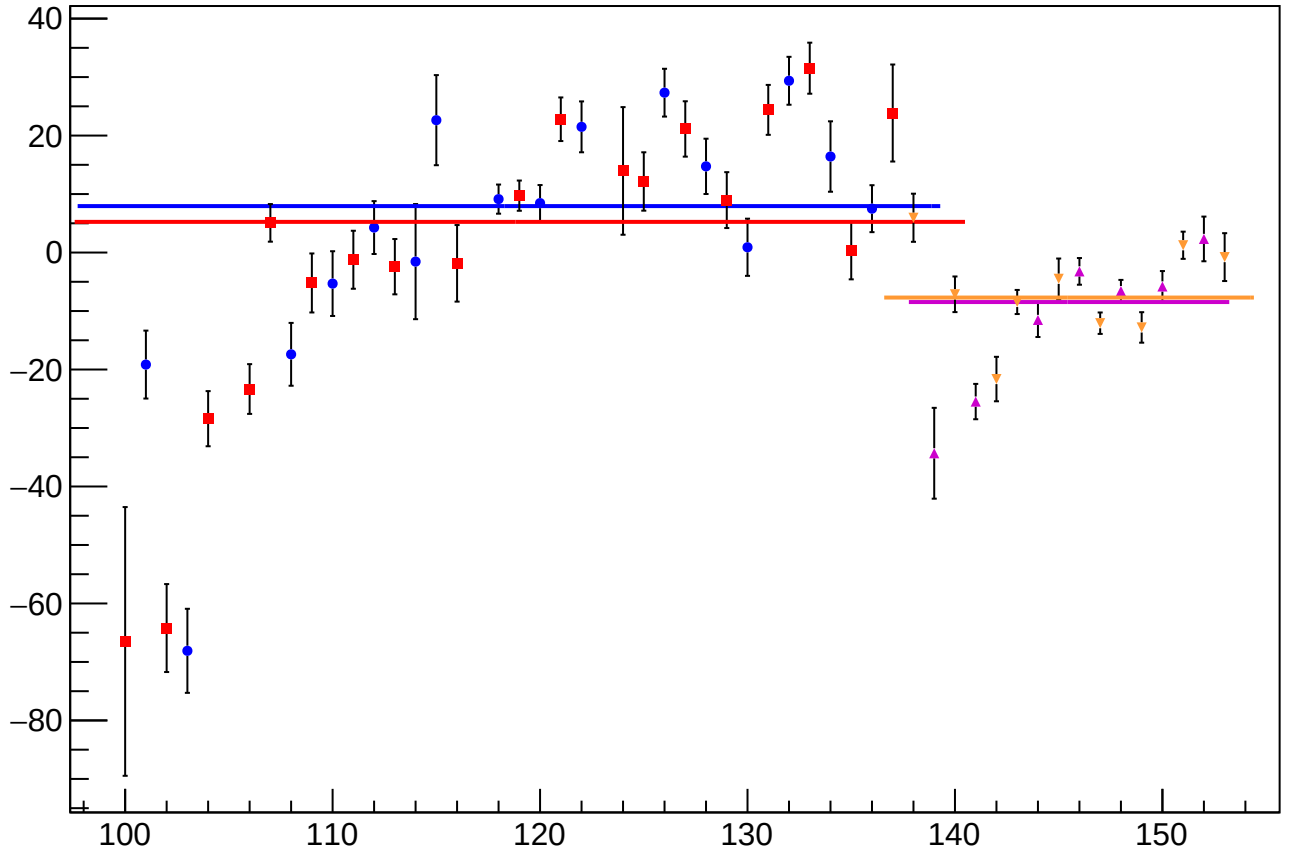
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.566+/-1.595 χ^2/NDF:101.1/6

\+ sign 187.640+/-0.850 χ^2/NDF: 2829.5/24

All: 187.180+/-0.605 χ^2/NDF: 5685.2/50

\- sign 186.710+/-0.860 χ^2/NDF: 2855.2/25



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.695+/-0.896 χ^2/NDF:52.7/8

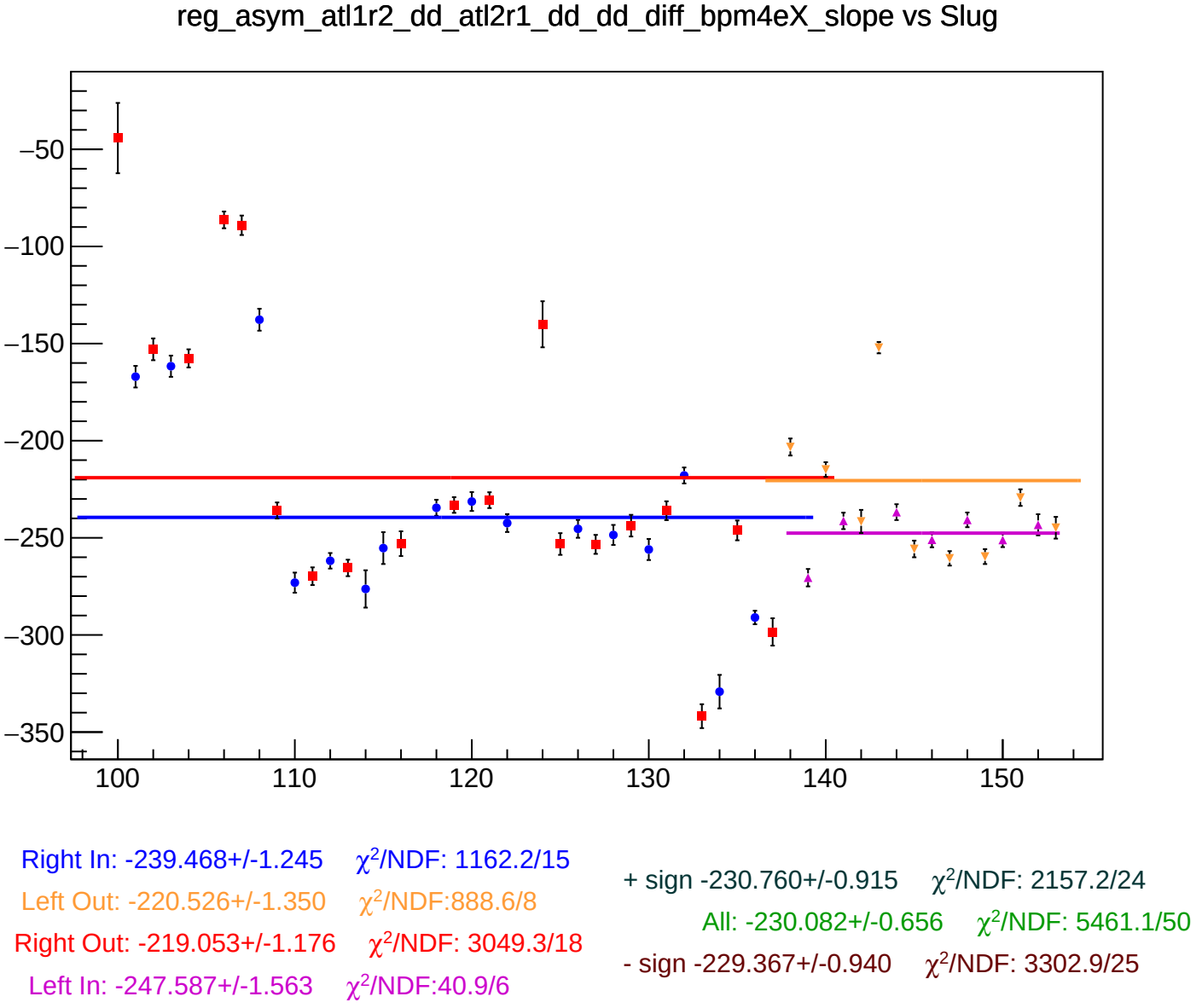
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

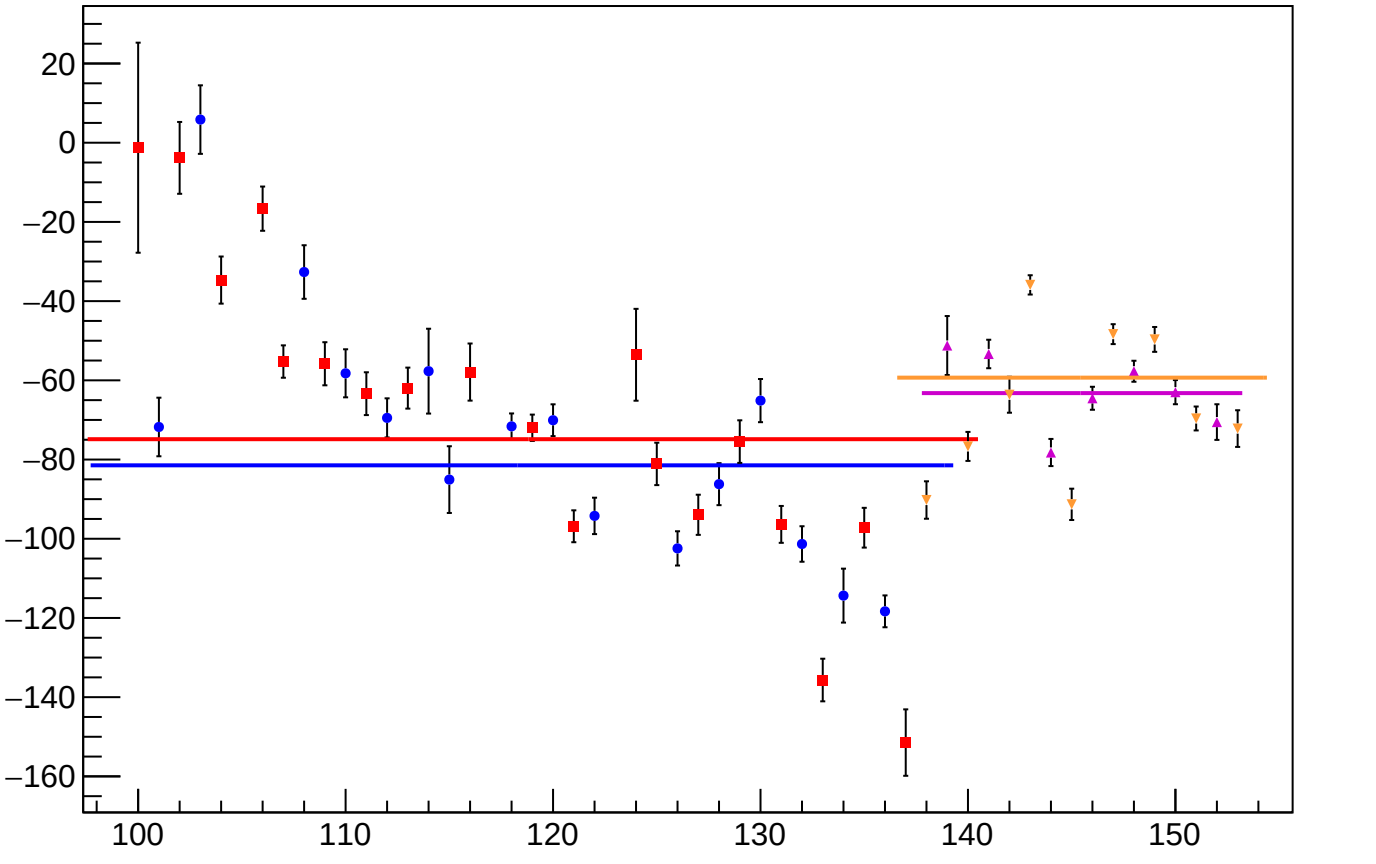
Left In: -8.464+/-1.041 χ^2/NDF:59.2/6

+ sign -1.545+/-0.698 χ^2/NDF: 405.3/24

All: -1.641+/-0.509 χ^2/NDF: 852.4/50

- sign -1.751+/-0.743 χ^2/NDF: 447.1/25


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -220.526+/-1.350 χ²/NDF:888.6/8
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -247.587+/-1.563 χ²/NDF:40.9/6
+ sign -230.760+/-0.915 χ²/NDF: 2157.2/24
All: -230.082+/-0.656 χ²/NDF: 5461.1/50
- sign -229.367+/-0.940 χ²/NDF: 3302.9/25



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.320+/-1.107 χ^2/NDF:271.9/8

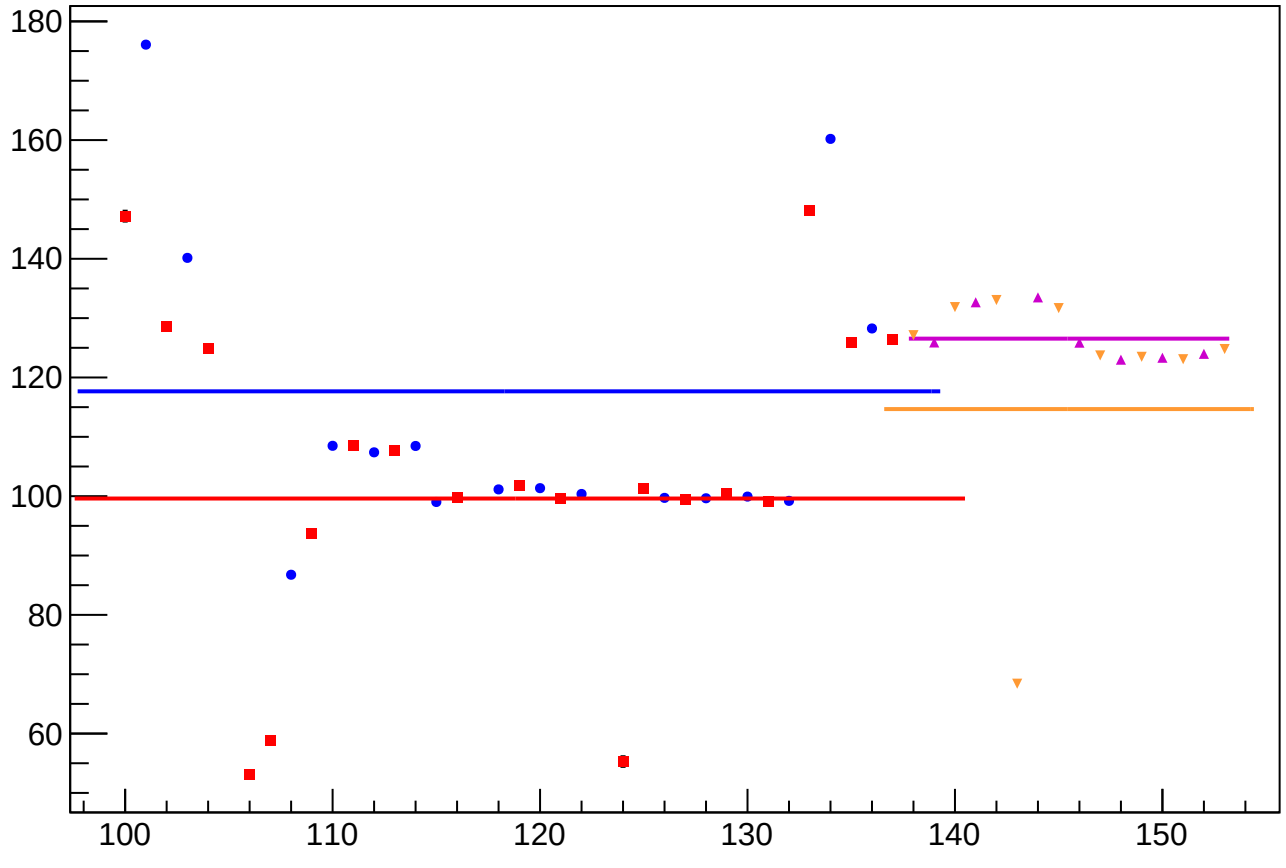
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.225+/-1.293 χ^2/NDF:36.5/6

+ sign -68.735+/-0.839 χ^2/NDF: 808.5/24

All: -69.015+/-0.611 χ^2/NDF: 1464.4/50

- sign -69.331+/-0.891 χ^2/NDF: 655.6/25



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 114.676+/-0.056 χ^2/NDF:186926.2/8

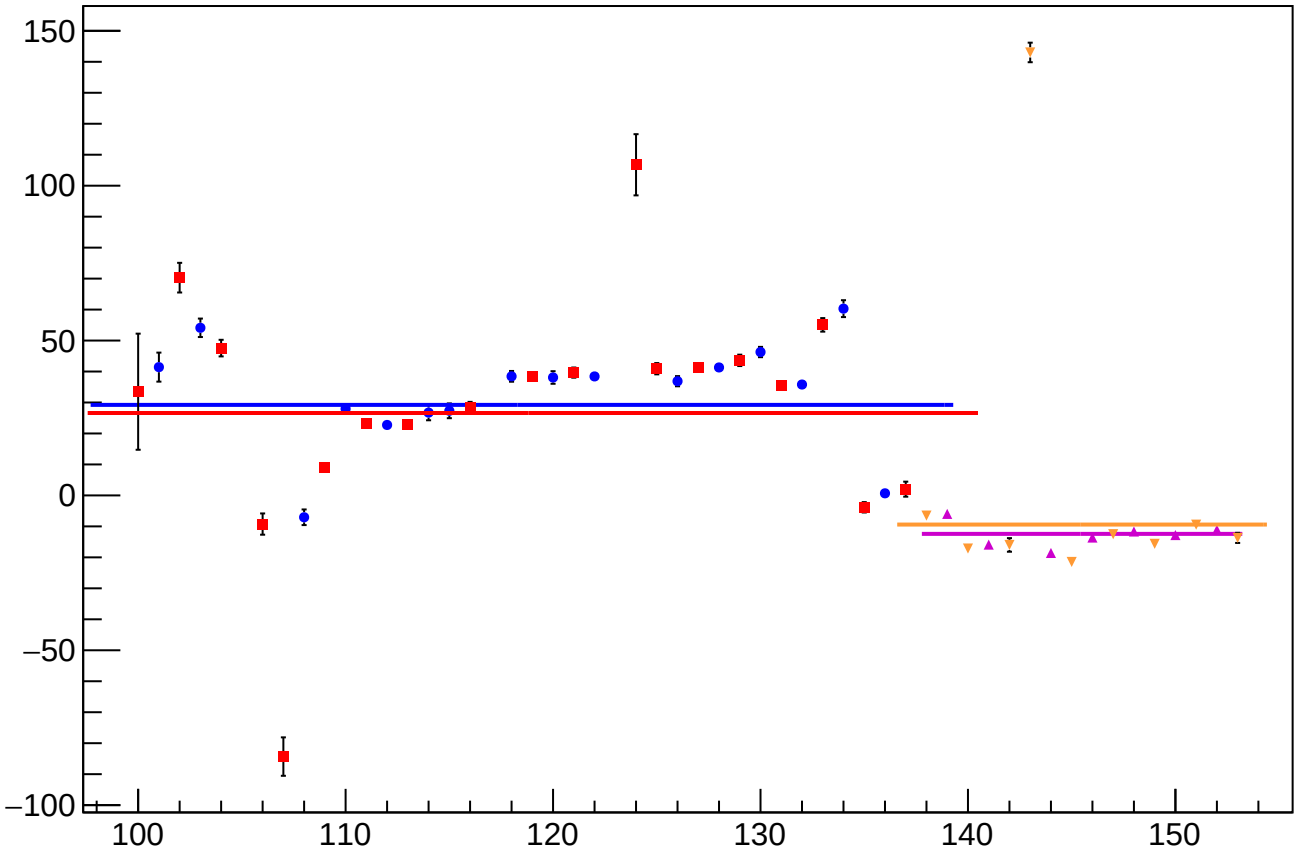
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.543+/-0.063 χ^2/NDF:3900.9/6

+ sign 115.681+/-0.045 χ^2/NDF: 283292.4/24

All: 115.128+/-0.033 χ^2/NDF: 535120.7/50

- sign 114.536+/-0.047 χ^2/NDF: 251520.3/25



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -9.410+/-0.514 χ^2/NDF:2474.7/8

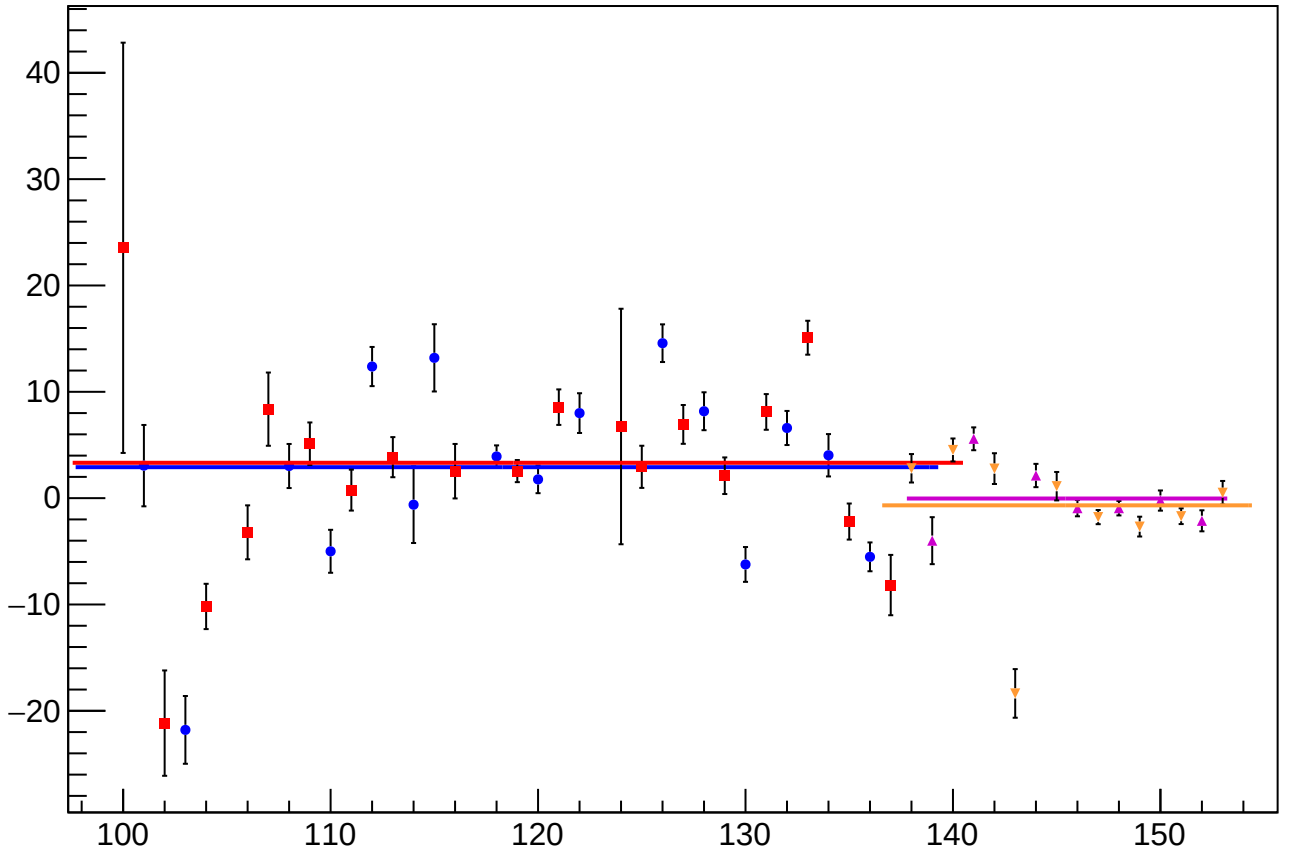
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.418+/-0.528 χ^2/NDF:52.7/6

\+ sign 13.571+/-0.327 χ^2/NDF: 7178.6/24

All: 12.661+/-0.231 χ^2/NDF: 12547.5/50

\- sign 11.758+/-0.326 χ^2/NDF: 5353.5/25



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.677+/-0.339 χ^2/NDF:107.8/8

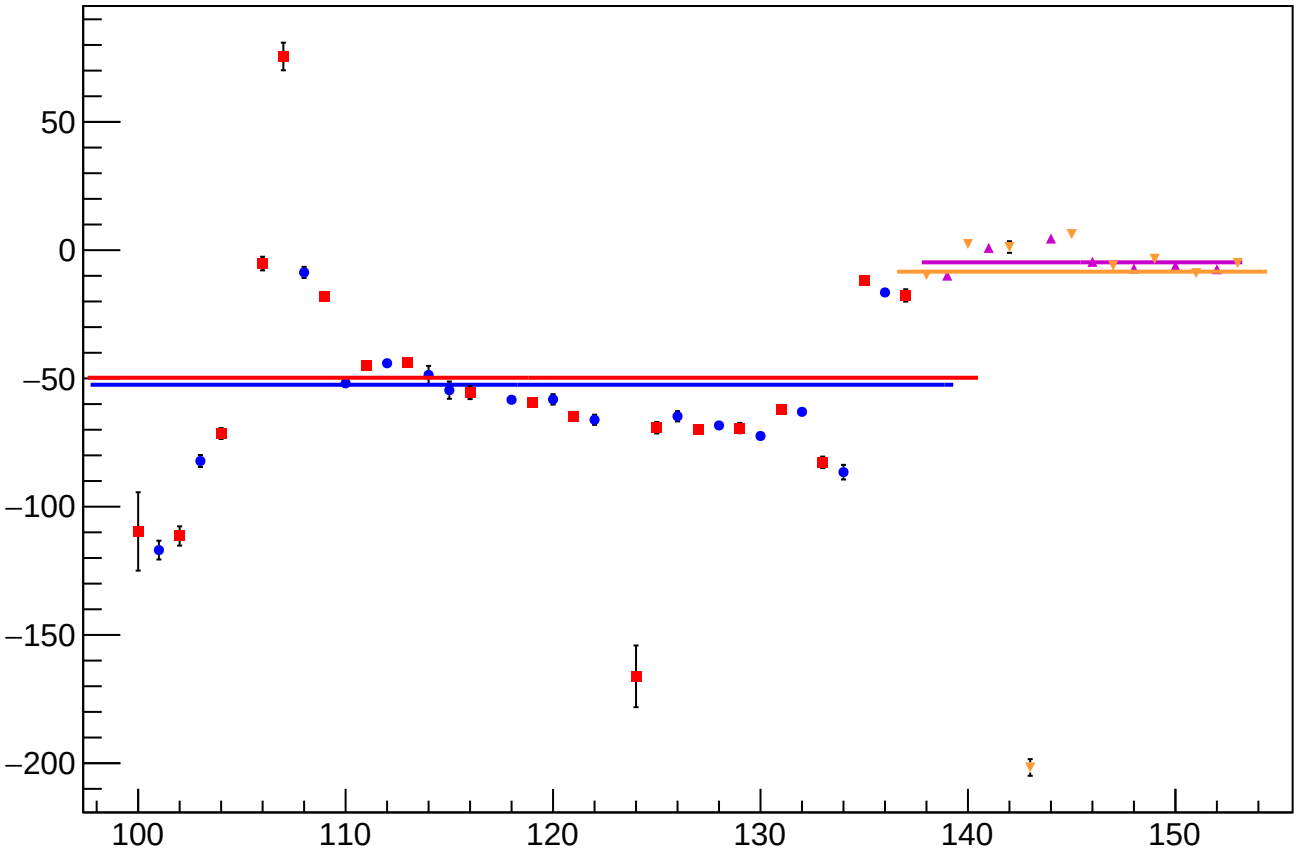
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: -0.035+/-0.356 χ^2/NDF:42.2/6

+ sign 0.652+/-0.269 χ^2/NDF: 399.2/24

All: 0.938+/-0.194 χ^2/NDF: 659.4/50

- sign 1.246+/-0.280 χ^2/NDF: 257.9/25



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.379+/-0.505 χ^2/NDF:3742.2/8

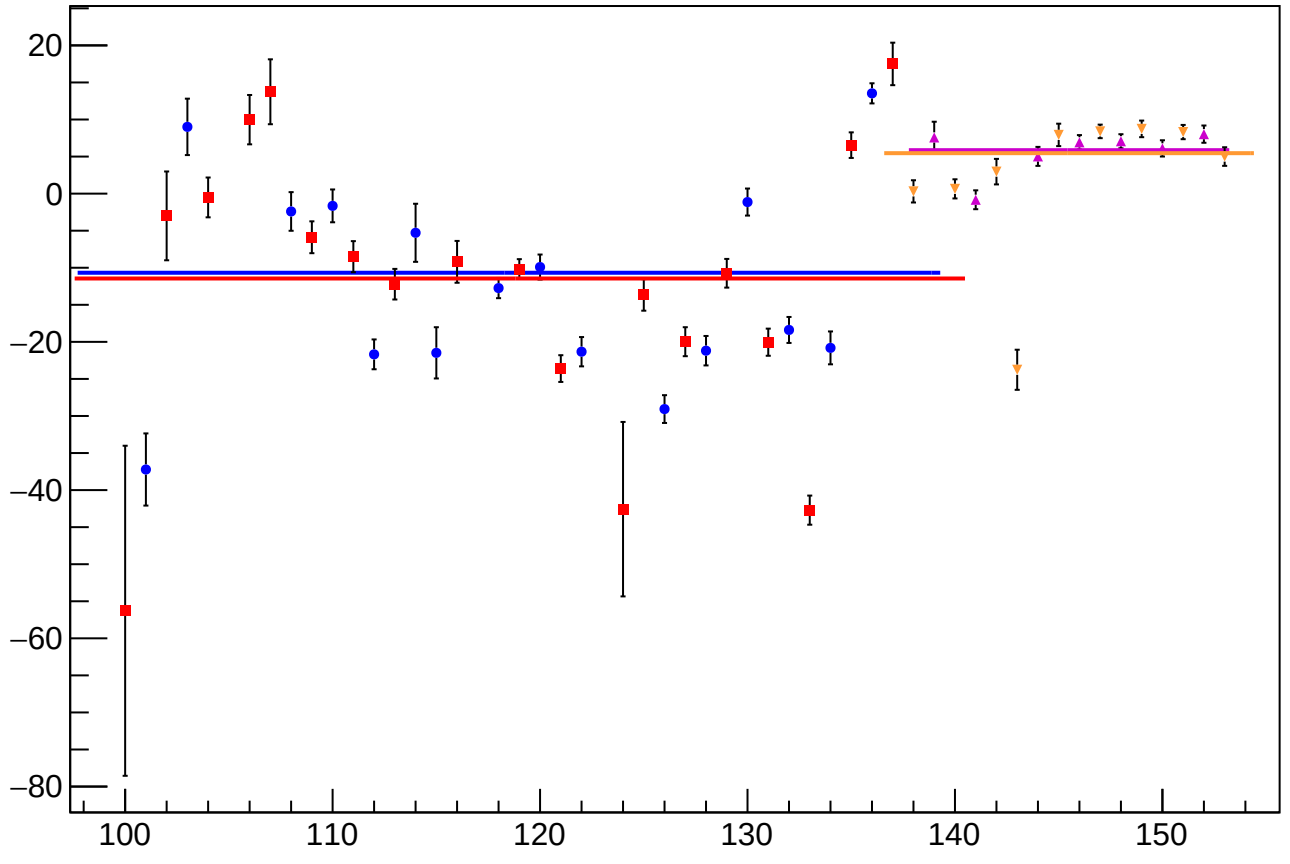
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.741+/-0.519 χ^2/NDF:75.6/6

+ sign -31.191+/-0.351 χ^2/NDF: 10014.8/24

All: -29.792+/-0.251 χ^2/NDF: 17076.9/50

- sign -28.337+/-0.358 χ^2/NDF: 7029.7/25



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.459+/-0.420 χ^2/NDF:175.0/8

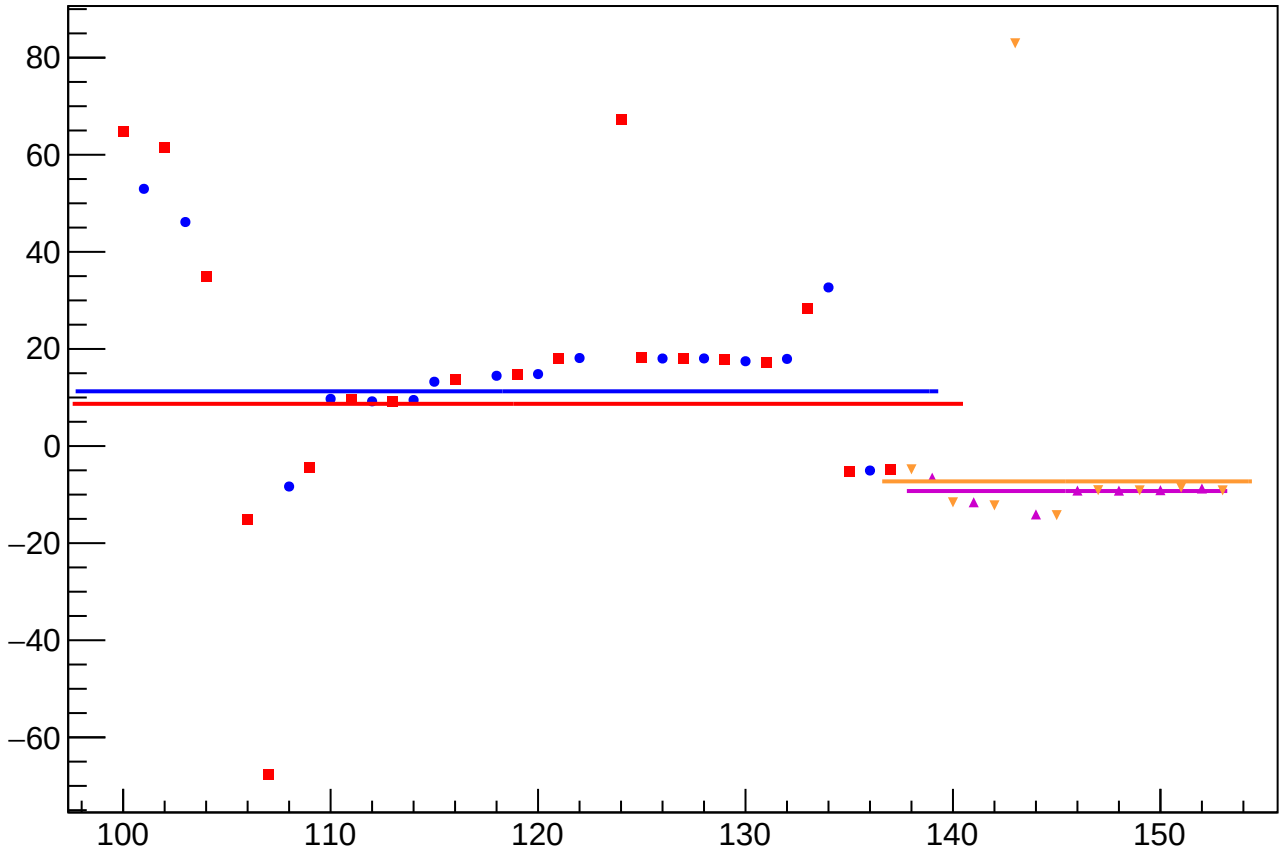
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.863+/-0.439 χ^2/NDF:35.0/6

+ sign -1.132+/-0.323 χ^2/NDF: 1444.0/24

All: -1.266+/-0.232 χ^2/NDF: 2797.9/50

- sign -1.409+/-0.334 χ^2/NDF: 1353.5/25



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.277+/-0.020 χ^2/NDF:472952.2/8

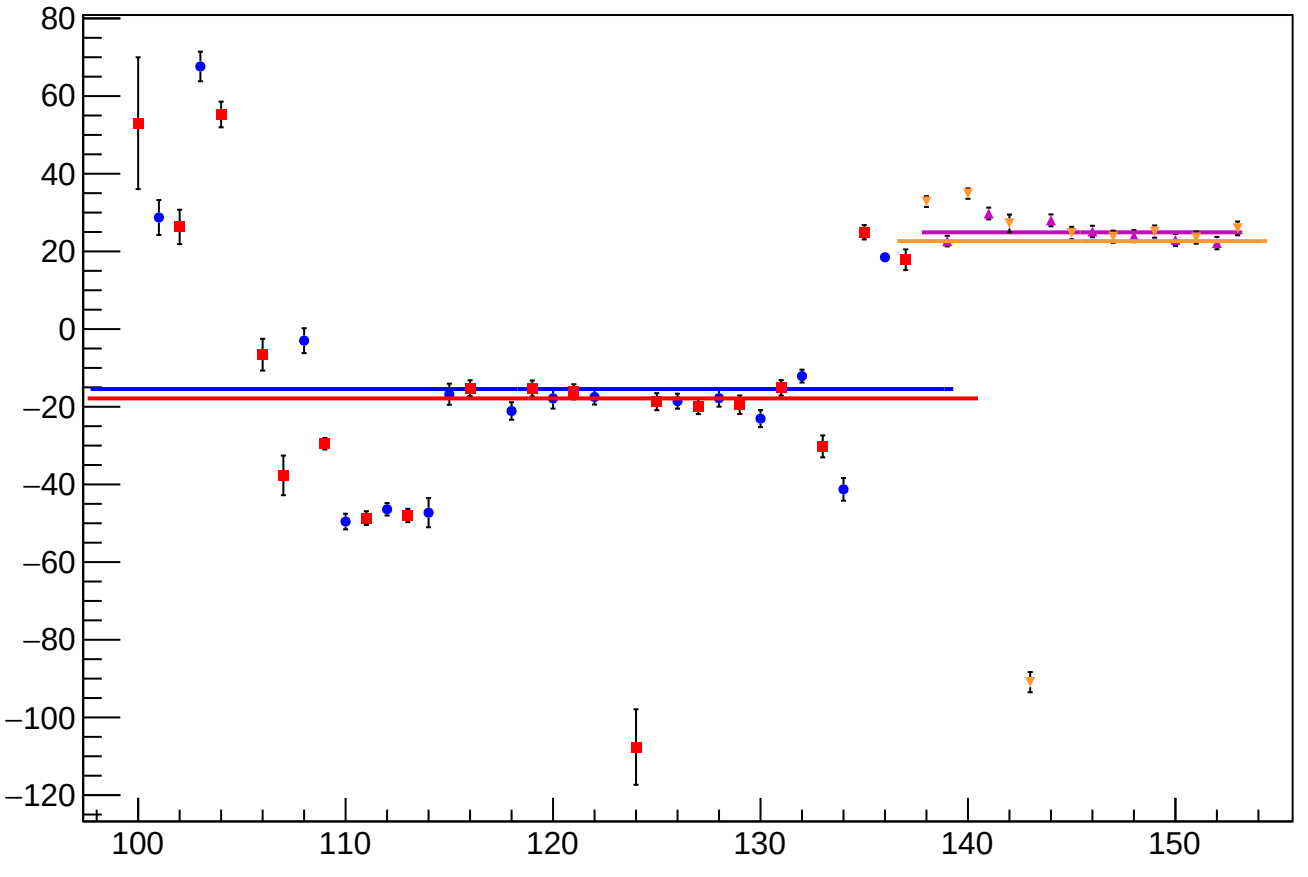
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.264+/-0.021 χ^2/NDF:10200.9/6

+ sign -1.413+/-0.017 χ^2/NDF: 1085255.7/24

All: -2.623+/-0.012 χ^2/NDF: 1771168.7/50

- sign -3.887+/-0.017 χ^2/NDF: 675327.3/25



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 22.659+/-0.548 χ^2/NDF:2039.4/8

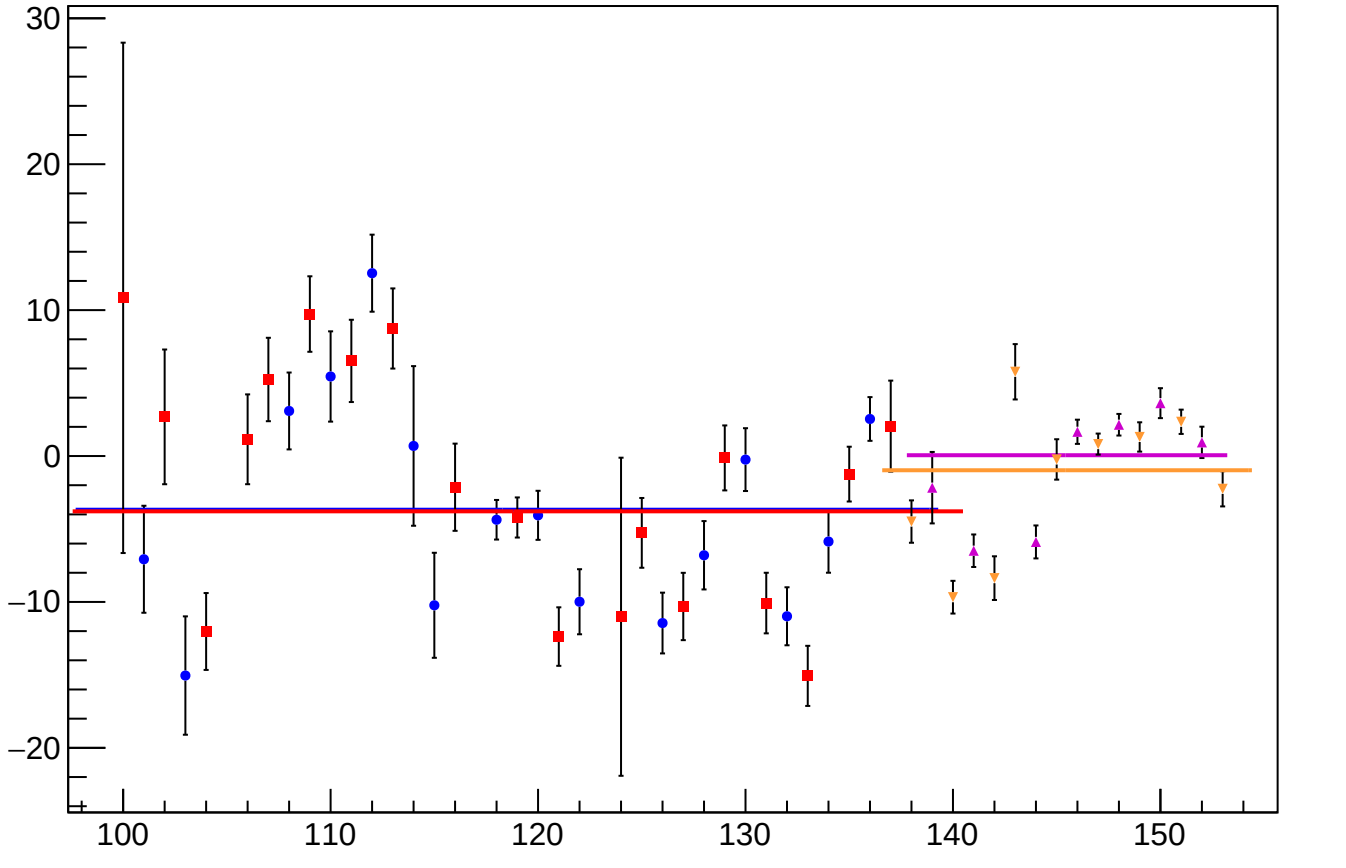
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.910+/-0.568 χ^2/NDF:22.1/6

+ sign 3.307+/-0.384 χ^2/NDF: 6621.4/24

All: 2.673+/-0.273 χ^2/NDF: 11803.9/50

- sign 2.028+/-0.387 χ^2/NDF: 5177.1/25



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.975+/-0.364 χ^2/NDF:131.8/8

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

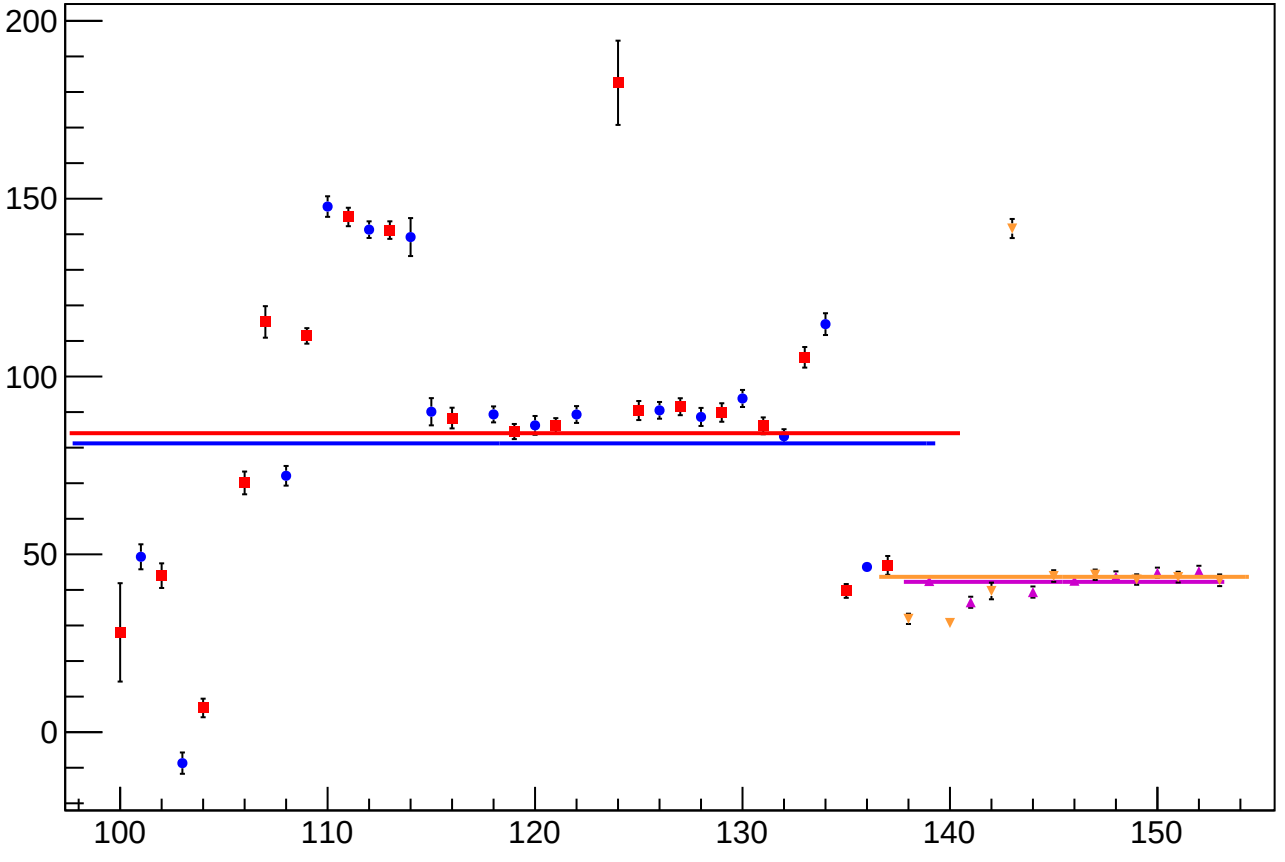
Left In: 0.055+/-0.382 χ^2/NDF:87.5/6

\+ sign -1.794+/-0.304 χ^2/NDF: 272.5/24

All: -1.488+/-0.219 χ^2/NDF: 555.2/50

\- sign -1.155+/-0.316 χ^2/NDF: 280.6/25

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.676+/-0.539 χ^2/NDF:1487.7/8

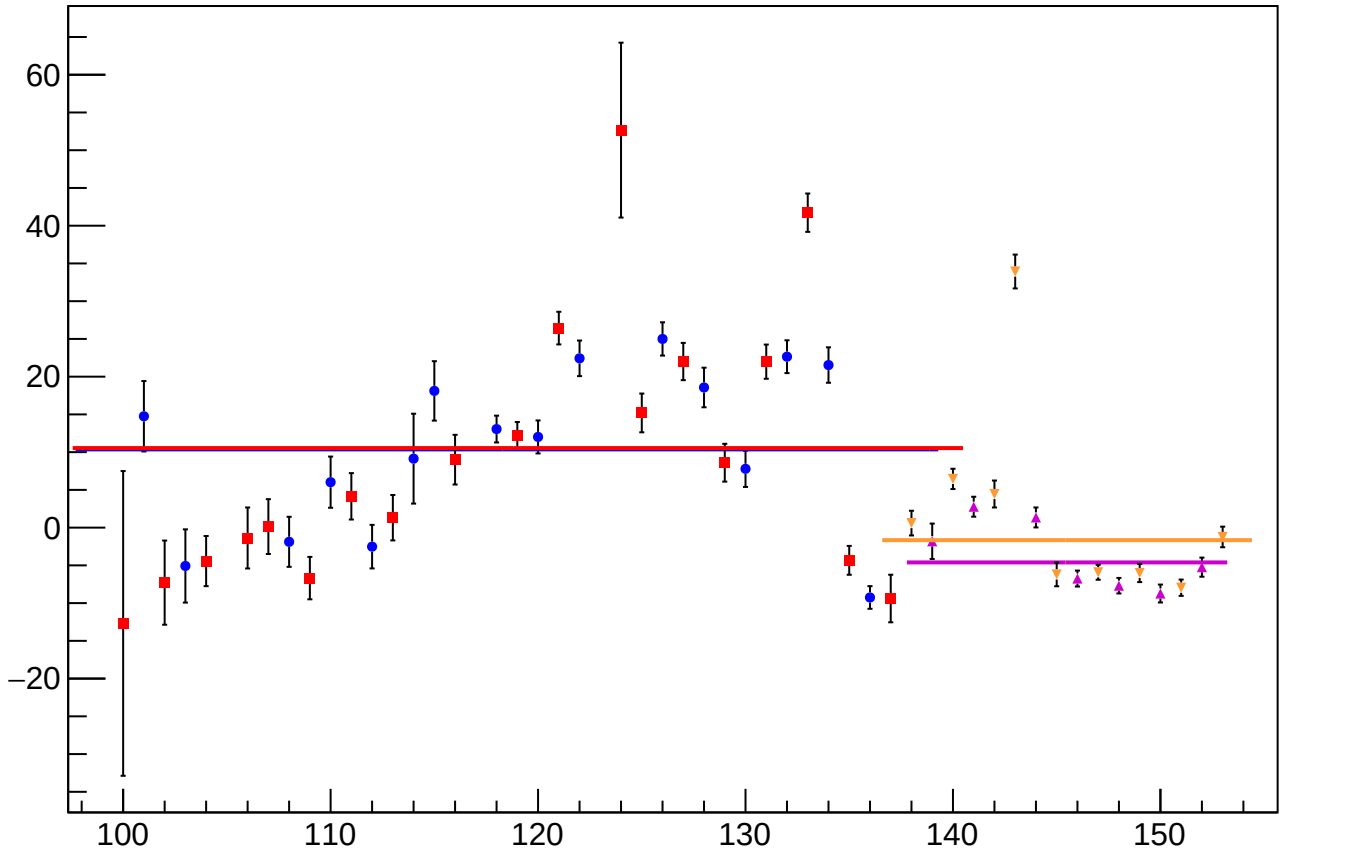
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 42.264+/-0.558 χ^2/NDF:25.1/6

+ sign 60.227+/-0.403 χ^2/NDF: 6854.2/24

All: 60.656+/-0.289 χ^2/NDF: 12614.9/50

- sign 61.108+/-0.414 χ^2/NDF: 5758.3/25



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.660+/-0.449 χ^2/NDF:376.4/8

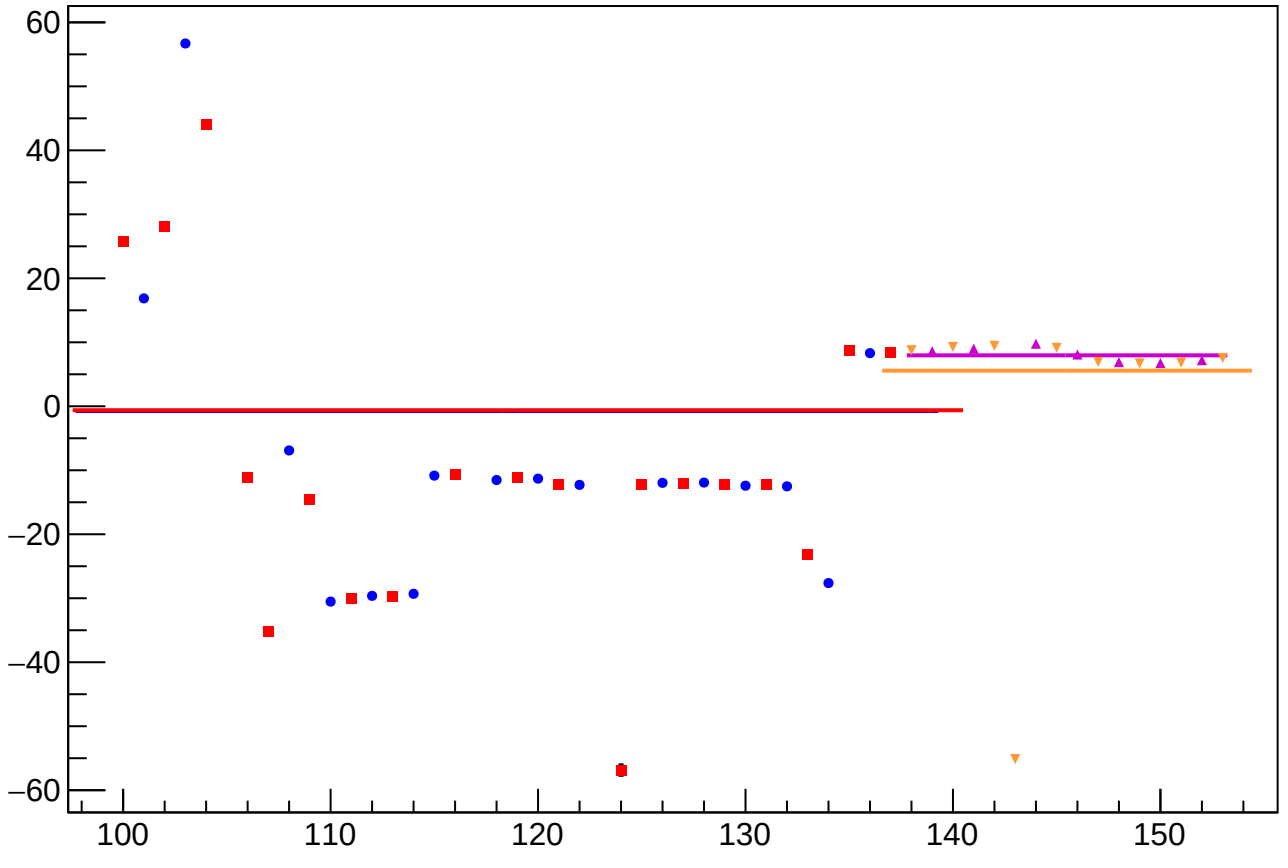
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.610+/-0.471 χ^2/NDF:78.3/6

+ sign 2.426+/-0.365 χ^2/NDF: 979.5/24

All: 1.604+/-0.263 χ^2/NDF: 1902.1/50

- sign 0.715+/-0.380 χ^2/NDF: 912.1/25



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.569+/-0.022 χ^2/NDF:309054.8/8

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

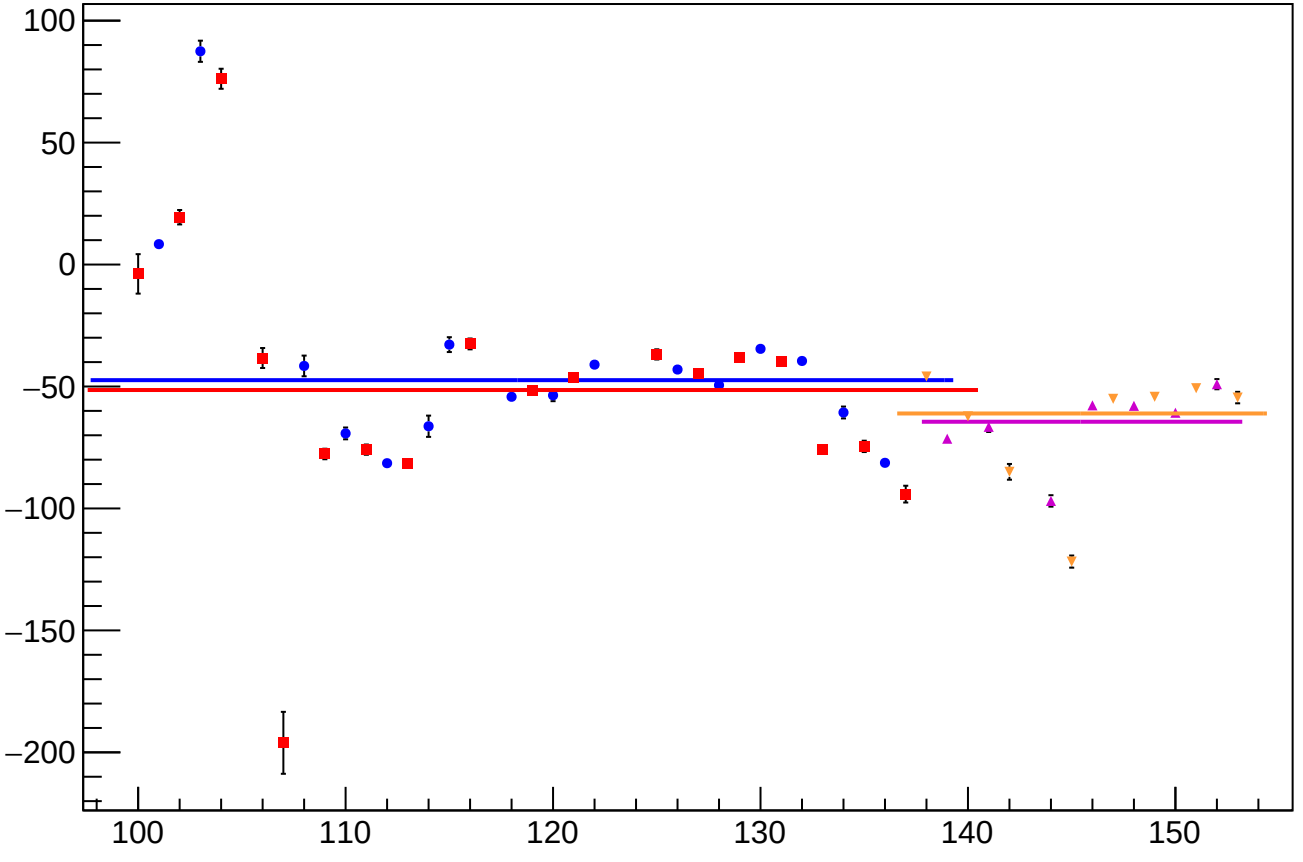
Left In: 7.964+/-0.022 χ^2/NDF:2050.9/6

+ sign 3.870+/-0.019 χ^2/NDF: 699684.1/24

All: 4.776+/-0.013 χ^2/NDF: 1062161.7/50

- sign 5.727+/-0.019 χ^2/NDF: 357618.1/25

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -61.061+/-0.731 χ^2/NDF:781.4/7

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

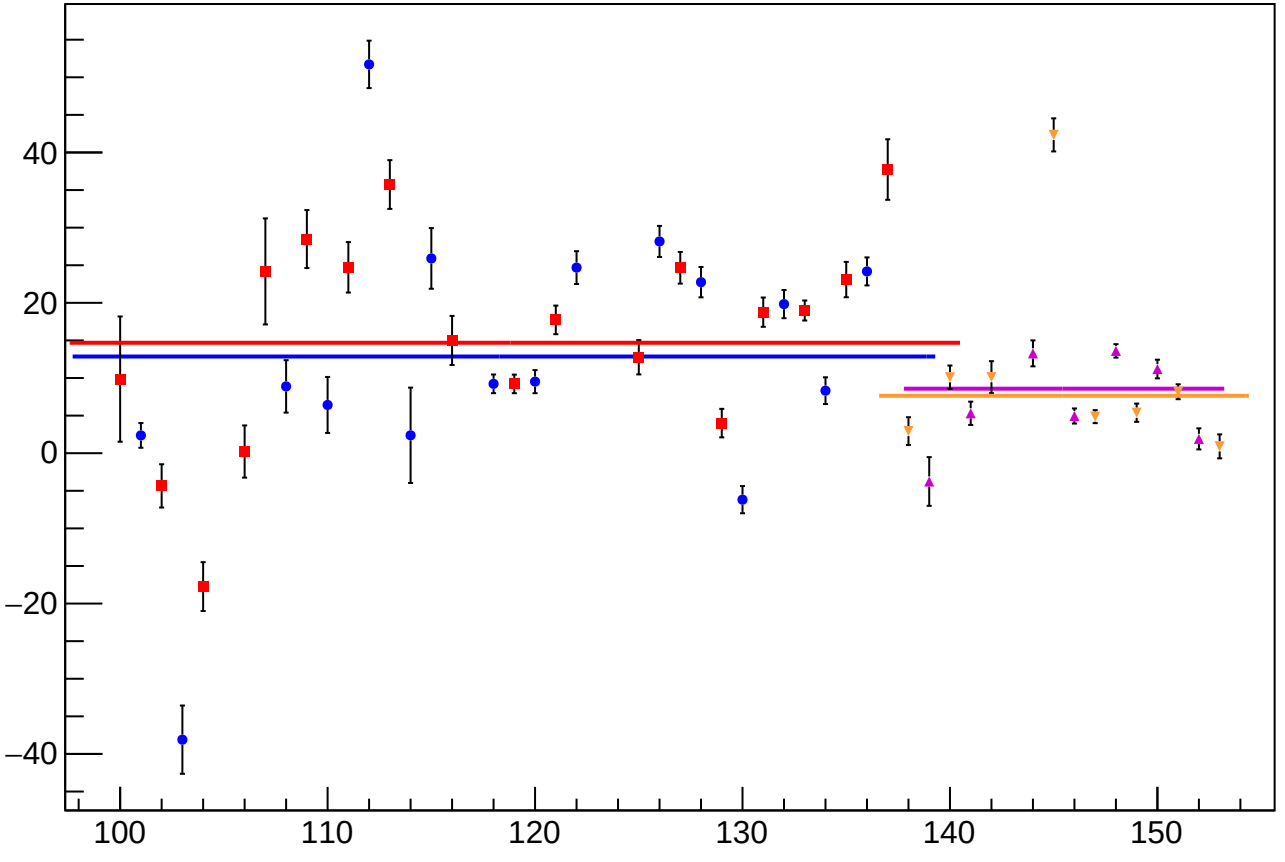
Left In: -64.451+/-0.741 χ^2/NDF:291.9/6

+ sign -52.166+/-0.432 χ^2/NDF: 3777.9/23

All: -54.056+/-0.308 χ^2/NDF: 7181.5/48

- sign -56.011+/-0.439 χ^2/NDF: 3364.6/24

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 7.640+/-0.469 χ^2/NDF:291.1/7

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

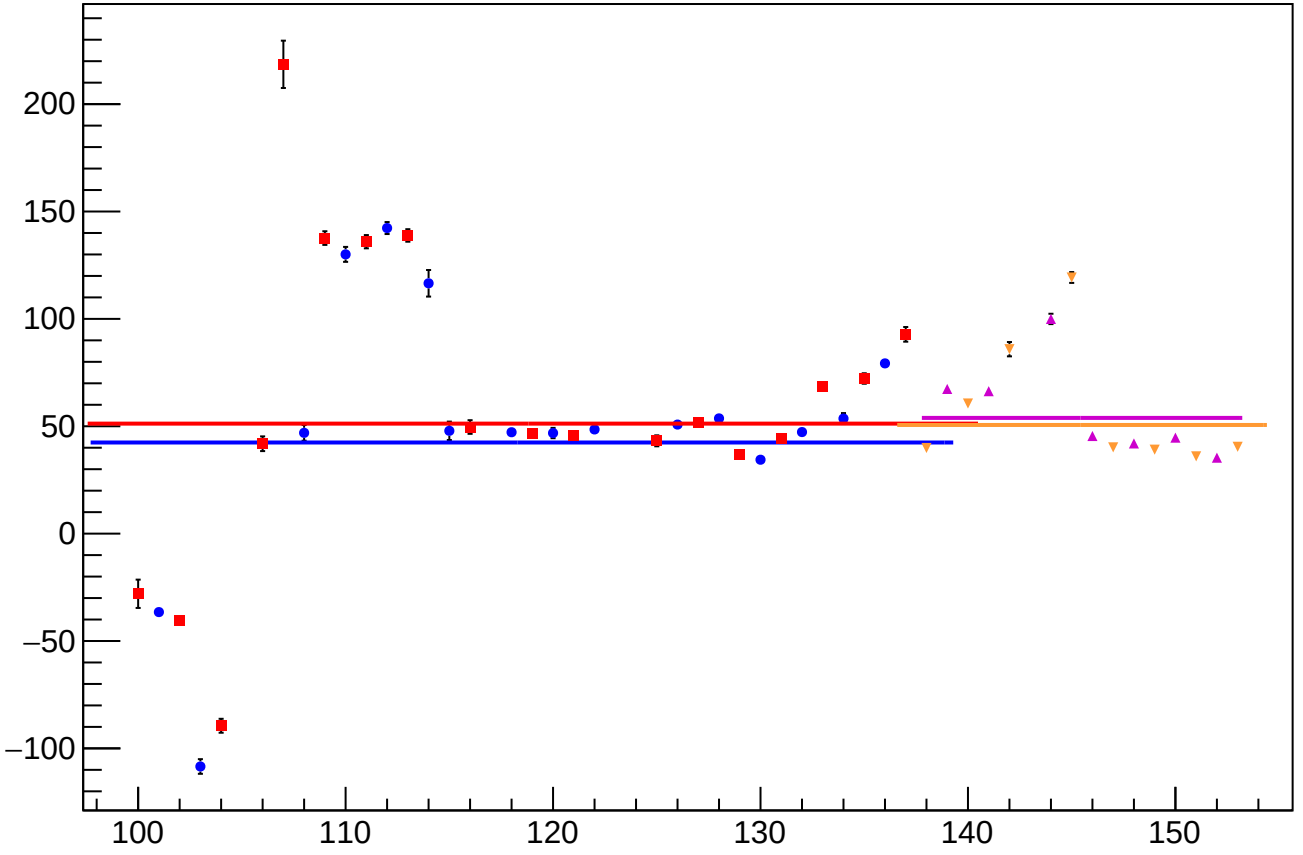
Left In: 8.580+/-0.486 χ^2/NDF:98.0/6

+ sign 9.985+/-0.348 χ^2/NDF: 972.3/23

All: 10.610+/-0.251 χ^2/NDF: 1511.3/48

- sign 11.289+/-0.362 χ^2/NDF: 532.3/24

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 50.600+/-0.714 χ^2/NDF:1079.6/7

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

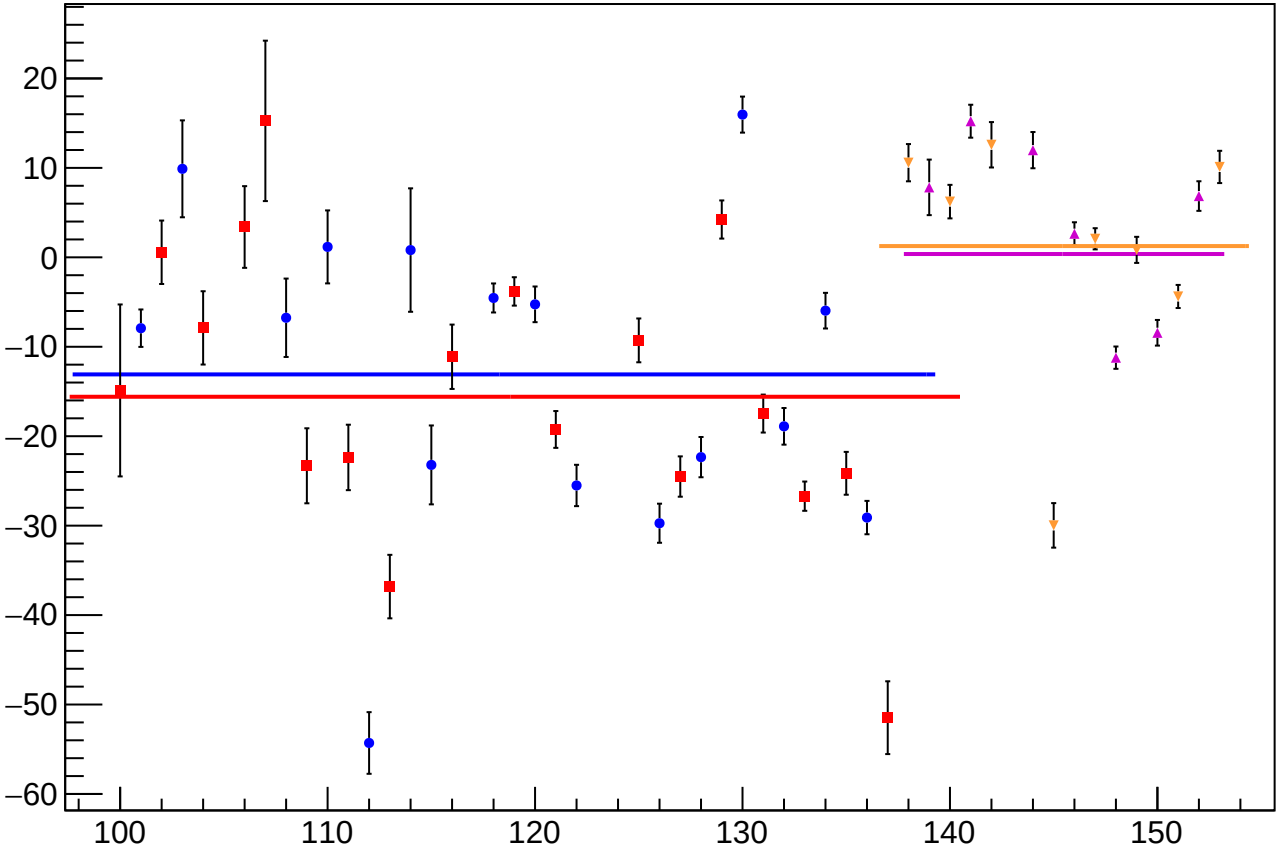
Left In: 53.891+/-0.724 χ^2/NDF:632.8/6

+ sign 45.712+/-0.452 χ^2/NDF: 8326.8/23

All: 48.909+/-0.325 χ^2/NDF: 15682.5/48

- sign 52.342+/-0.469 χ^2/NDF: 7252.0/24

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 1.259+/-0.585 χ^2/NDF:248.0/7

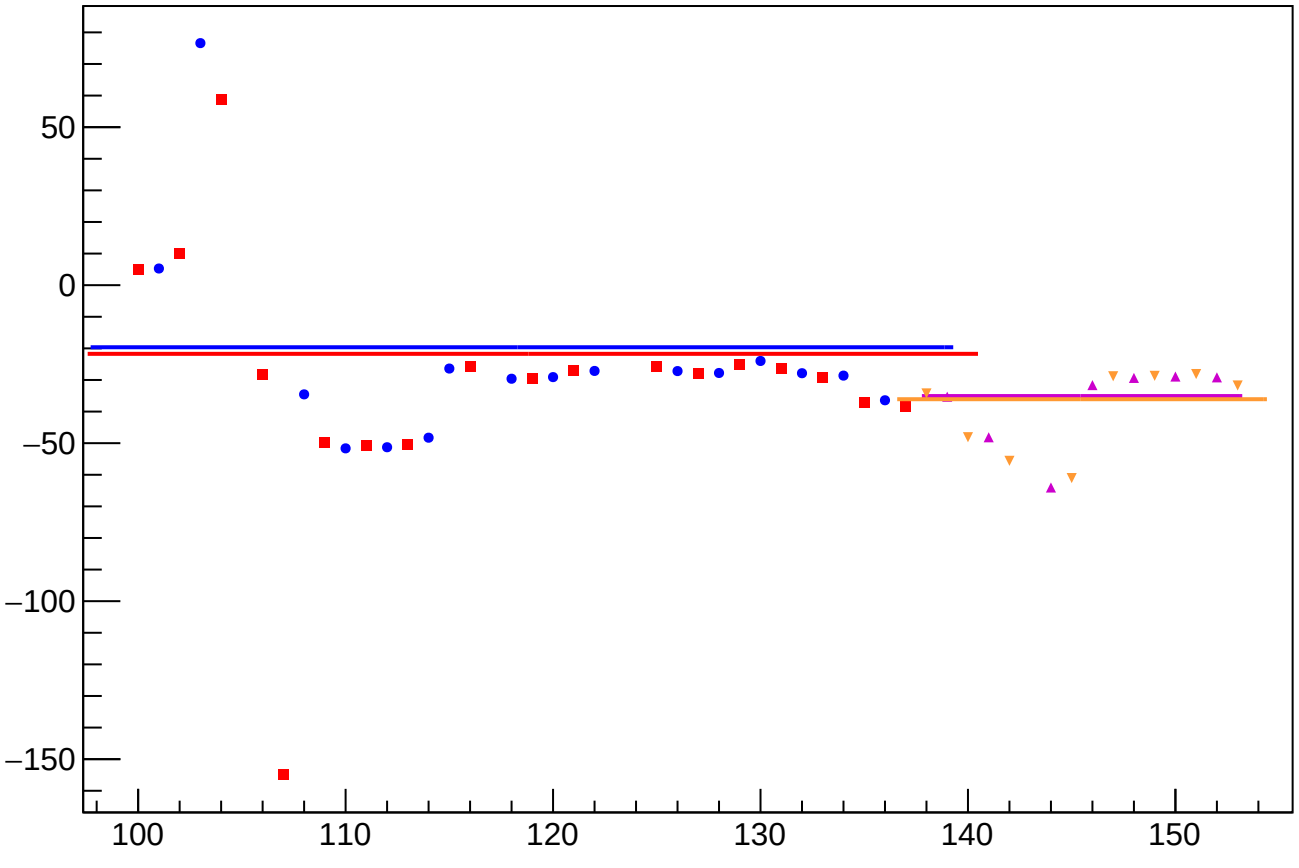
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 0.370+/-0.603 χ^2/NDF:246.2/6

+ sign -5.738+/-0.419 χ^2/NDF: 1181.2/23

All: -6.493+/-0.302 χ^2/NDF: 2172.4/48

- sign -7.306+/-0.435 χ^2/NDF: 984.5/24



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -36.088+/-0.029 χ^2/NDF:138243.8/7

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

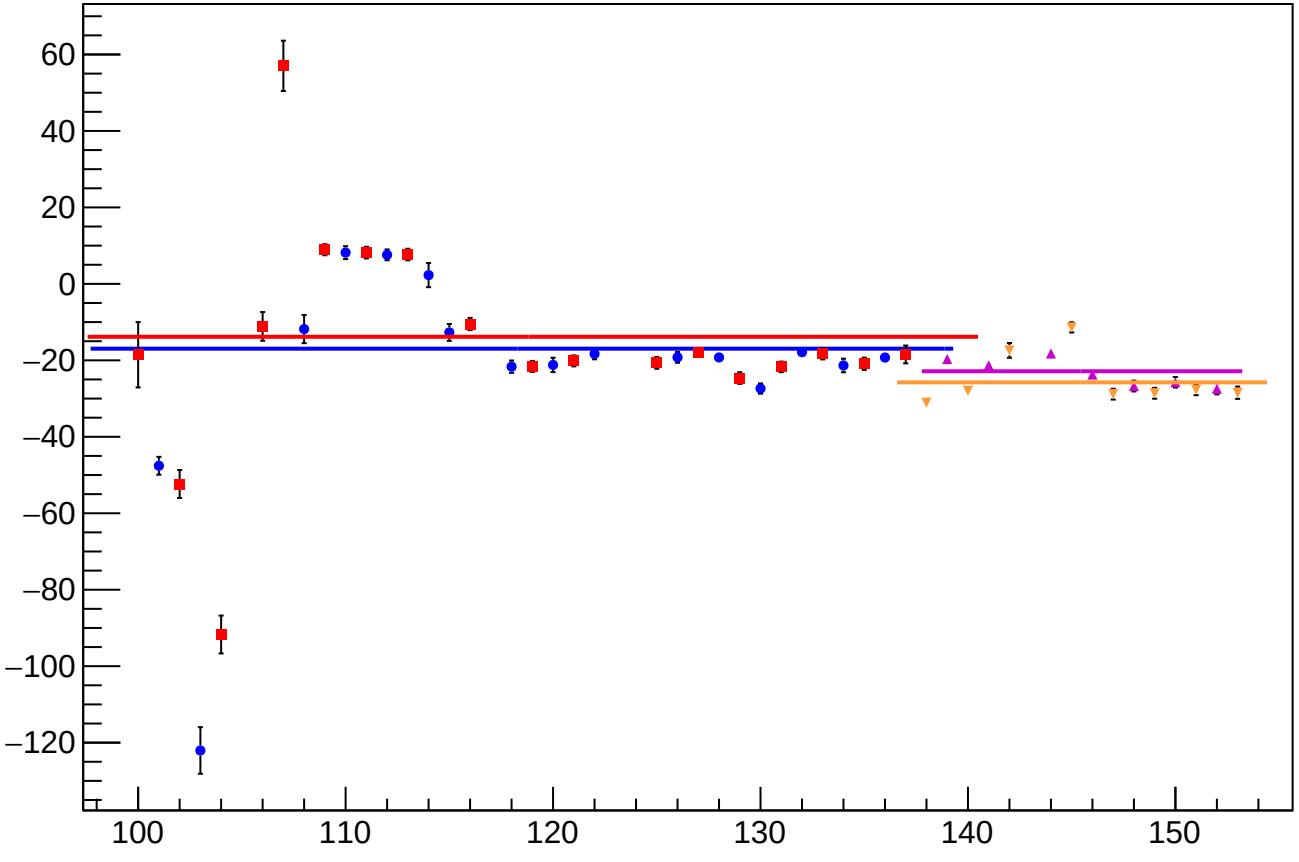
Left In: -35.089+/-0.029 χ^2/NDF:116268.1/6

\+ sign -29.665+/-0.023 χ^2/NDF: 911541.4/23

All: -30.013+/-0.016 χ^2/NDF: 1651342.3/48

\- sign -30.377+/-0.023 χ^2/NDF: 739315.3/24

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -25.760+/-0.490 χ^2/NDF:171.7/7

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

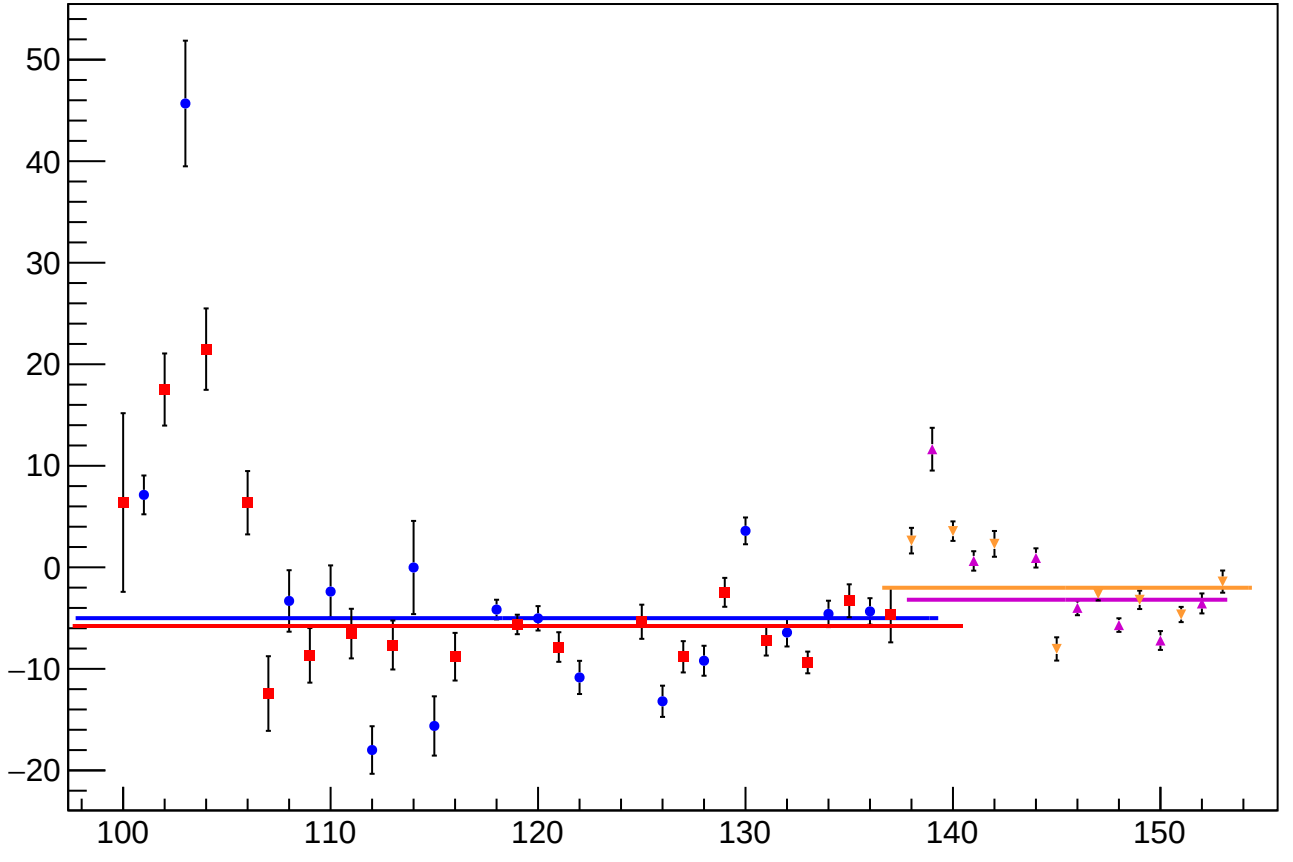
Left In: -22.853+/-0.498 χ^2/NDF:44.2/6

+ sign -20.510+/-0.312 χ^2/NDF: 1492.2/23

All: -19.012+/-0.222 χ^2/NDF: 3112.2/48

- sign -17.473+/-0.316 χ^2/NDF: 1573.2/24

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.012+/-0.328 χ^2/NDF:101.8/7

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

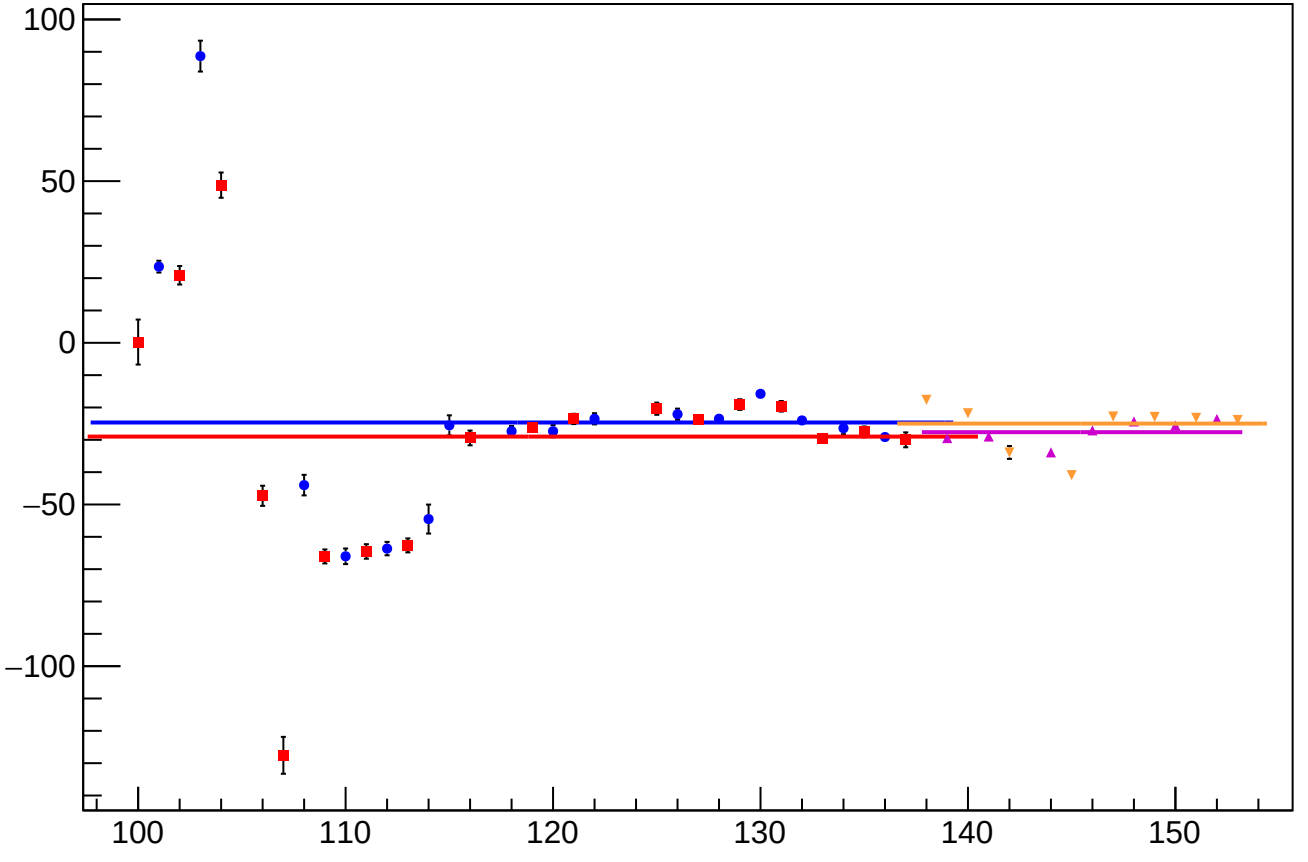
Left In: -3.192+/-0.338 χ^2/NDF:118.5/6

+ sign -3.210+/-0.254 χ^2/NDF: 382.9/23

All: -3.693+/-0.183 χ^2/NDF: 671.3/48

- sign -4.211+/-0.263 χ^2/NDF: 280.9/24

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -24.976+/-0.483 χ^2/NDF:206.8/7

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

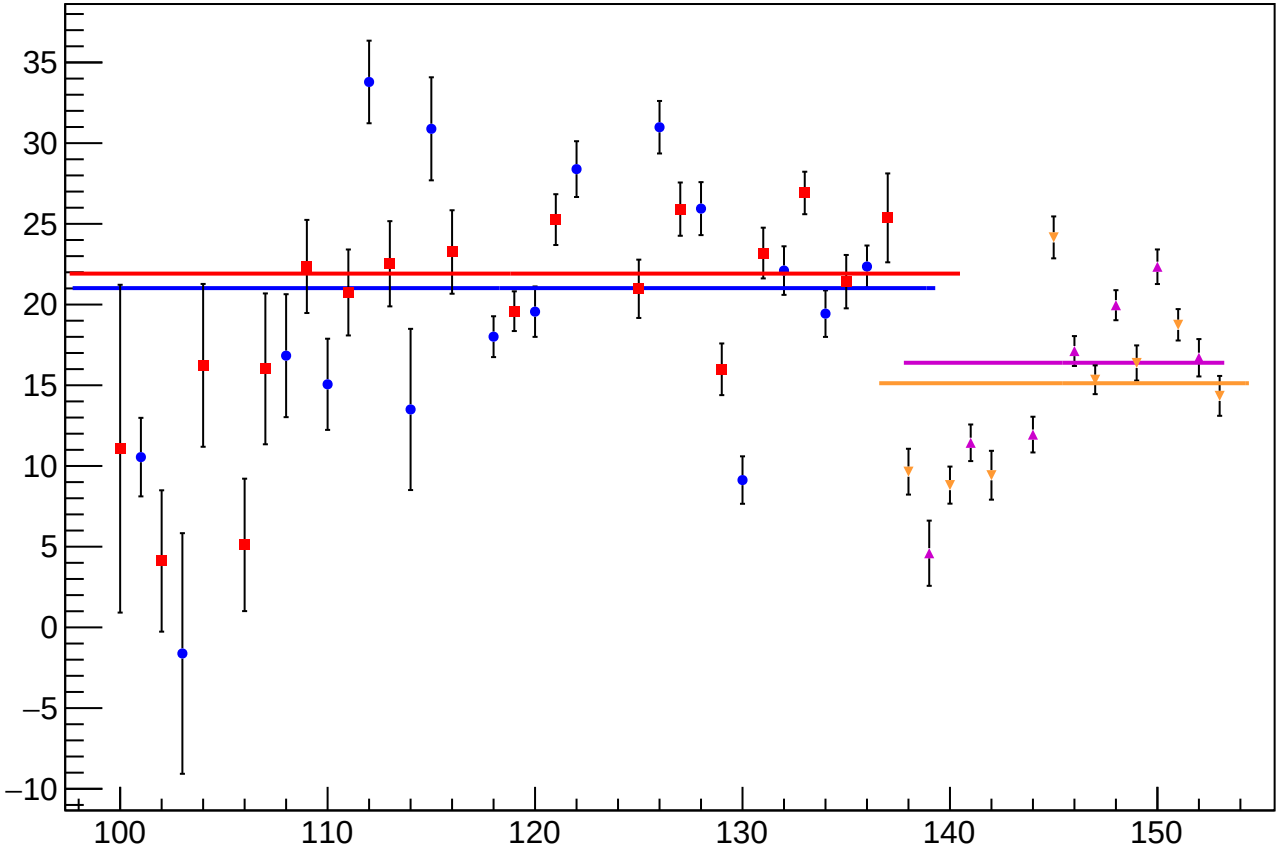
Left In: -27.632+/-0.490 χ^2/NDF:43.4/6

+ sign -24.799+/-0.331 χ^2/NDF: 2258.9/23

All: -26.516+/-0.238 χ^2/NDF: 4313.9/48

- sign -28.338+/-0.341 χ^2/NDF: 1999.7/24

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.127+/-0.405 χ^2/NDF:123.4/7

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

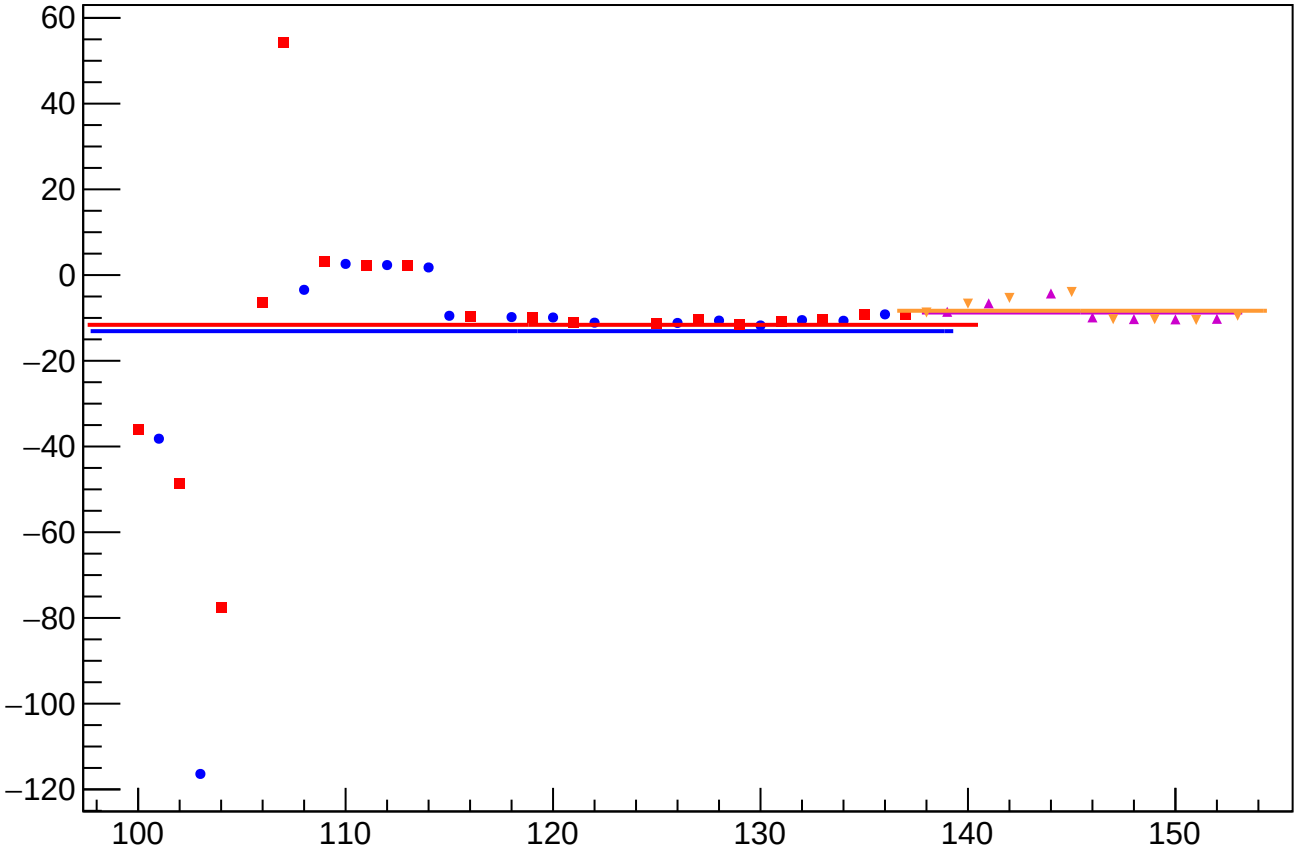
Left In: 16.394+/-0.416 χ^2/NDF:115.6/6

+ sign 17.711+/-0.303 χ^2/NDF: 425.8/23

All: 18.224+/-0.218 χ^2/NDF: 705.8/48

- sign 18.773+/-0.314 χ^2/NDF: 274.1/24

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.327+/-0.020 χ^2/NDF:13632.4/7

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

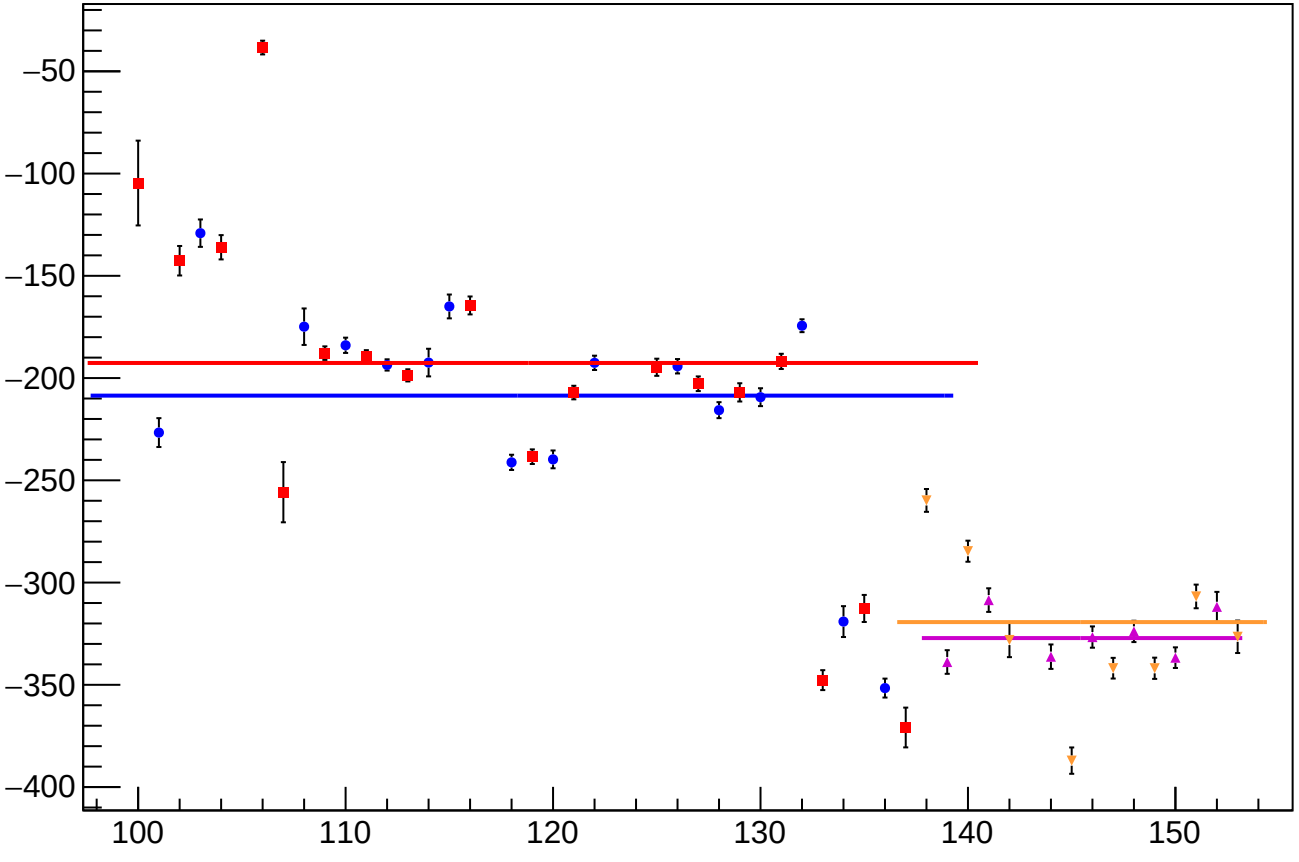
Left In: -8.740+/-0.019 χ^2/NDF:10352.2/6

+ sign -9.853+/-0.016 χ^2/NDF: 377633.4/23

All: -9.709+/-0.012 χ^2/NDF: 708505.9/48

- sign -9.558+/-0.016 χ^2/NDF: 330707.8/24

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -319.323+/-2.085 χ^2/NDF:315.0/7

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

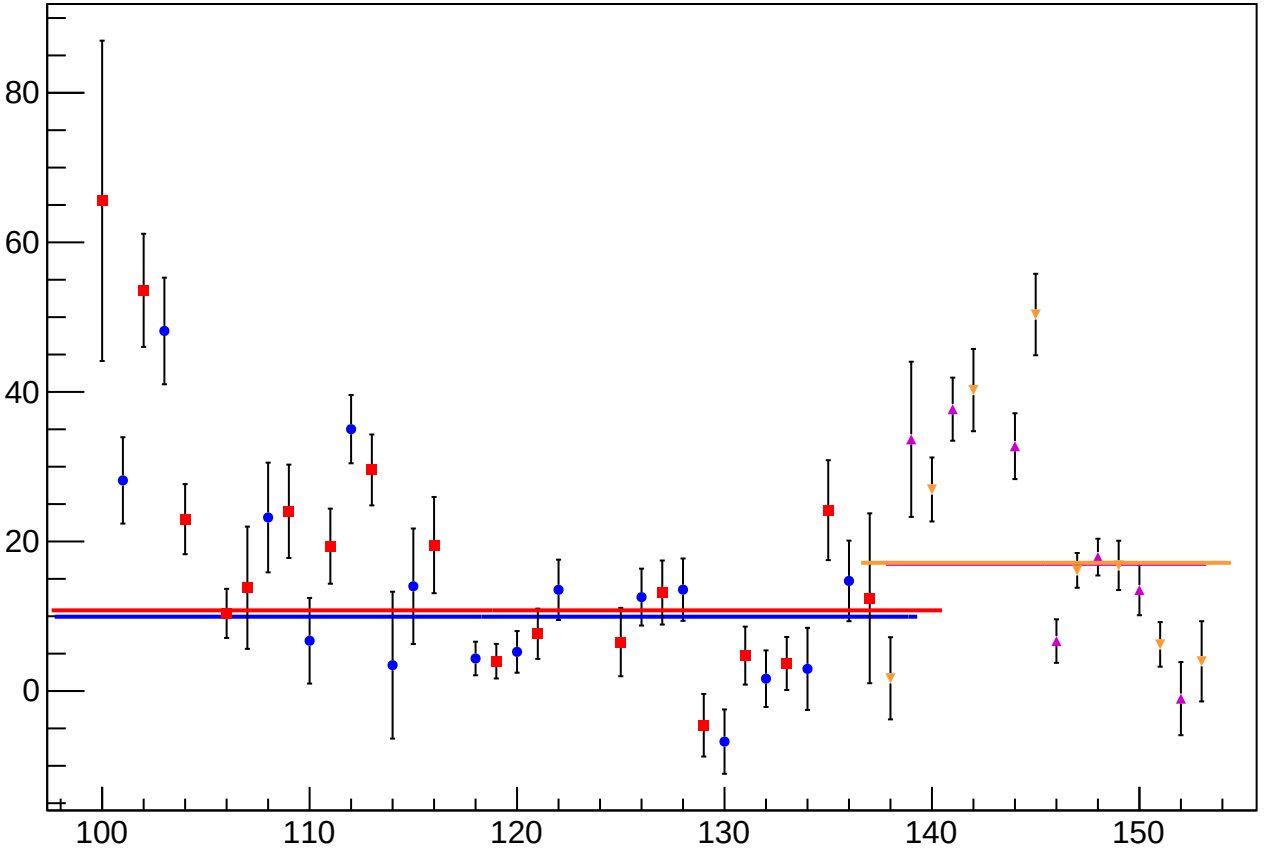
Left In: -327.144+/-2.134 χ^2/NDF:25.1/6

+ sign -231.556+/-0.949 χ^2/NDF: 4302.4/23

All: -223.820+/-0.655 χ^2/NDF: 11921.7/48

- sign -216.797+/-0.905 χ^2/NDF: 7492.6/24

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 17.146+/-1.314 χ^2/NDF:87.5/7

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

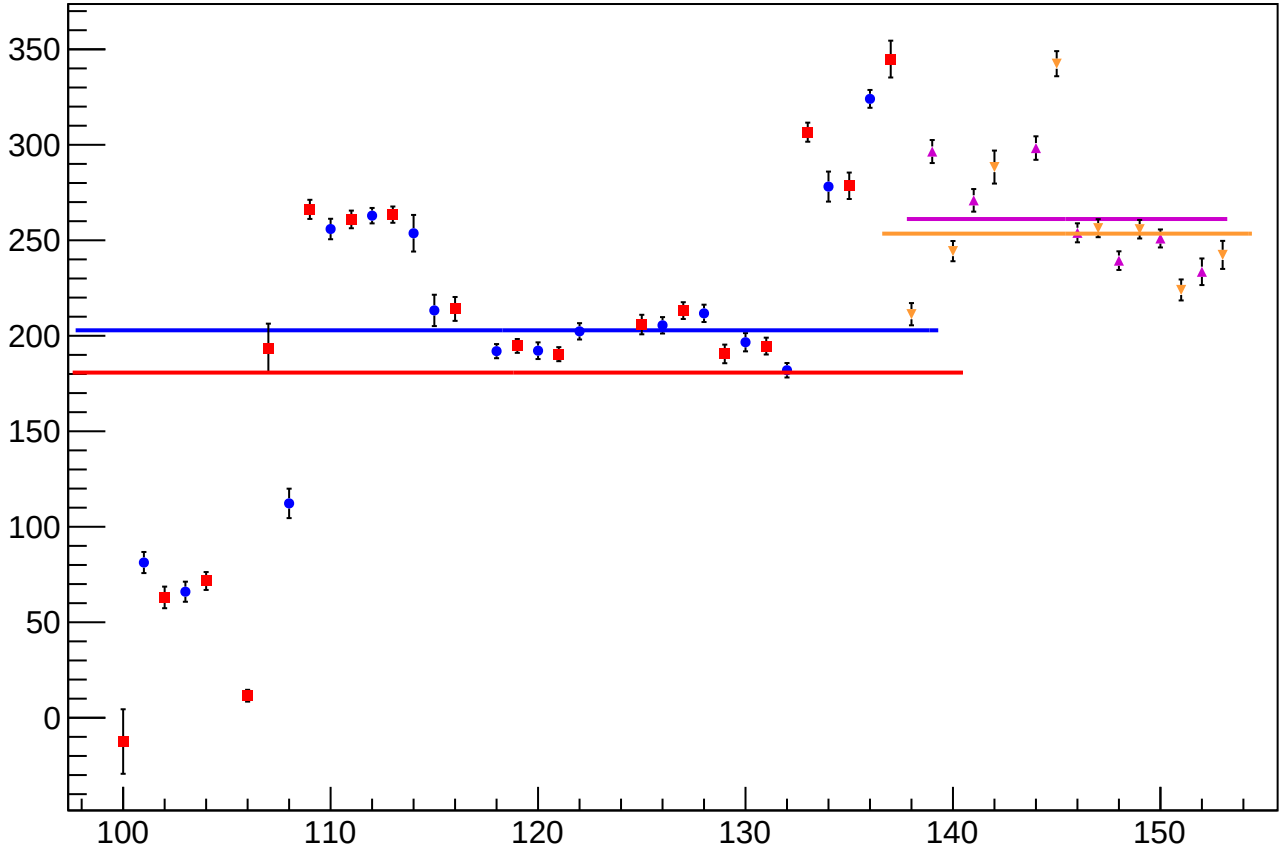
Left In: 17.007+/-1.373 χ^2/NDF:66.8/6

+ sign 12.796+/-0.828 χ^2/NDF: 212.3/23

All: 12.930+/-0.586 χ^2/NDF: 397.2/48

- sign 13.065+/-0.831 χ^2/NDF: 184.9/24

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 253.489+/-2.038 χ^2/NDF:286.7/7

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

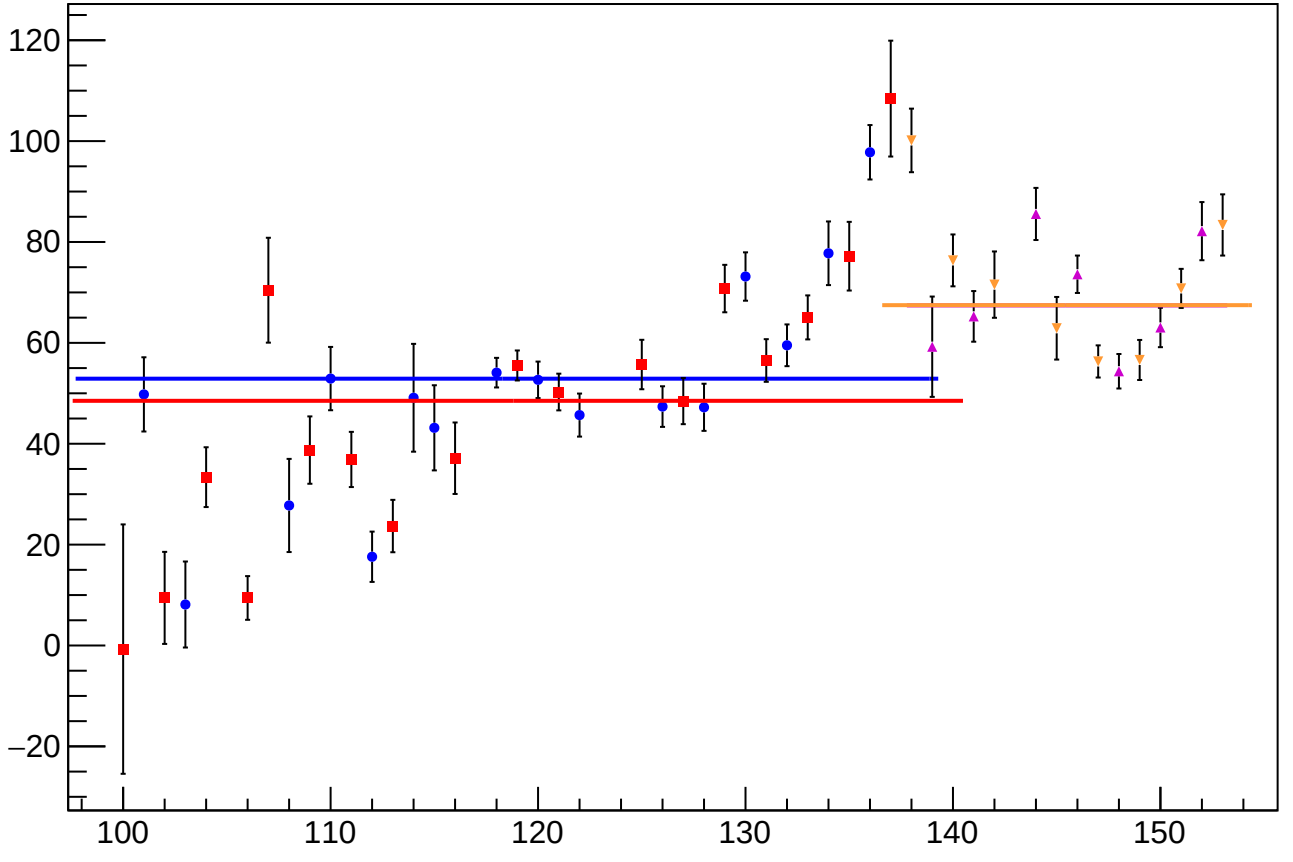
Left In: 261.142+/-2.083 χ^2/NDF:116.0/6

+ sign 216.319+/-1.050 χ^2/NDF: 3203.9/23

All: 207.440+/-0.725 χ^2/NDF: 10949.1/48

- sign 199.350+/-1.003 χ^2/NDF: 7608.6/24

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 67.474+/-1.649 χ^2/NDF:58.1/7

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

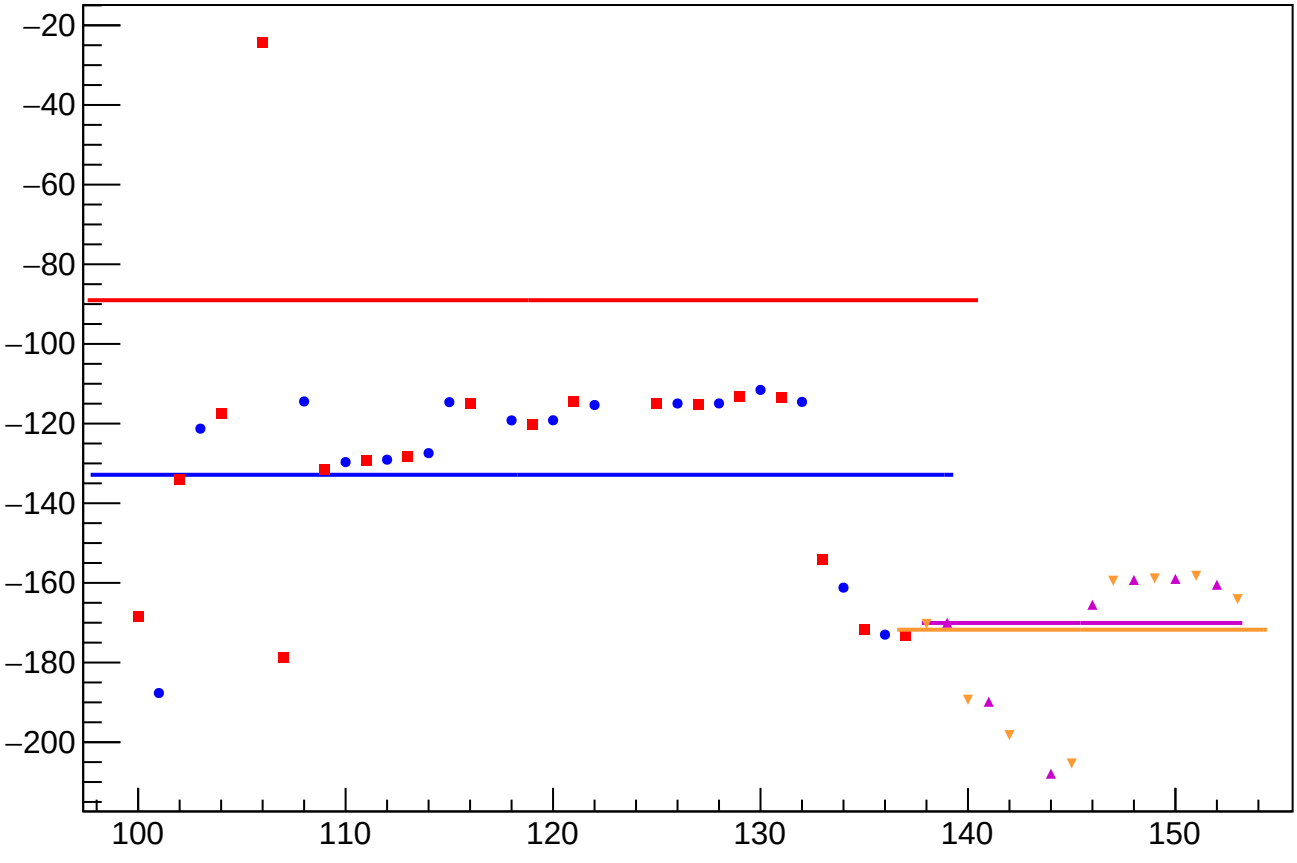
Left In: 67.422+/-1.712 χ^2/NDF:38.3/6

+ sign 58.171+/-0.992 χ^2/NDF: 306.3/23

All: 56.503+/-0.701 χ^2/NDF: 671.4/48

- sign 54.839+/-0.990 χ^2/NDF: 359.5/24

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -171.753+/-0.084 χ^2/NDF:39978.0/7

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

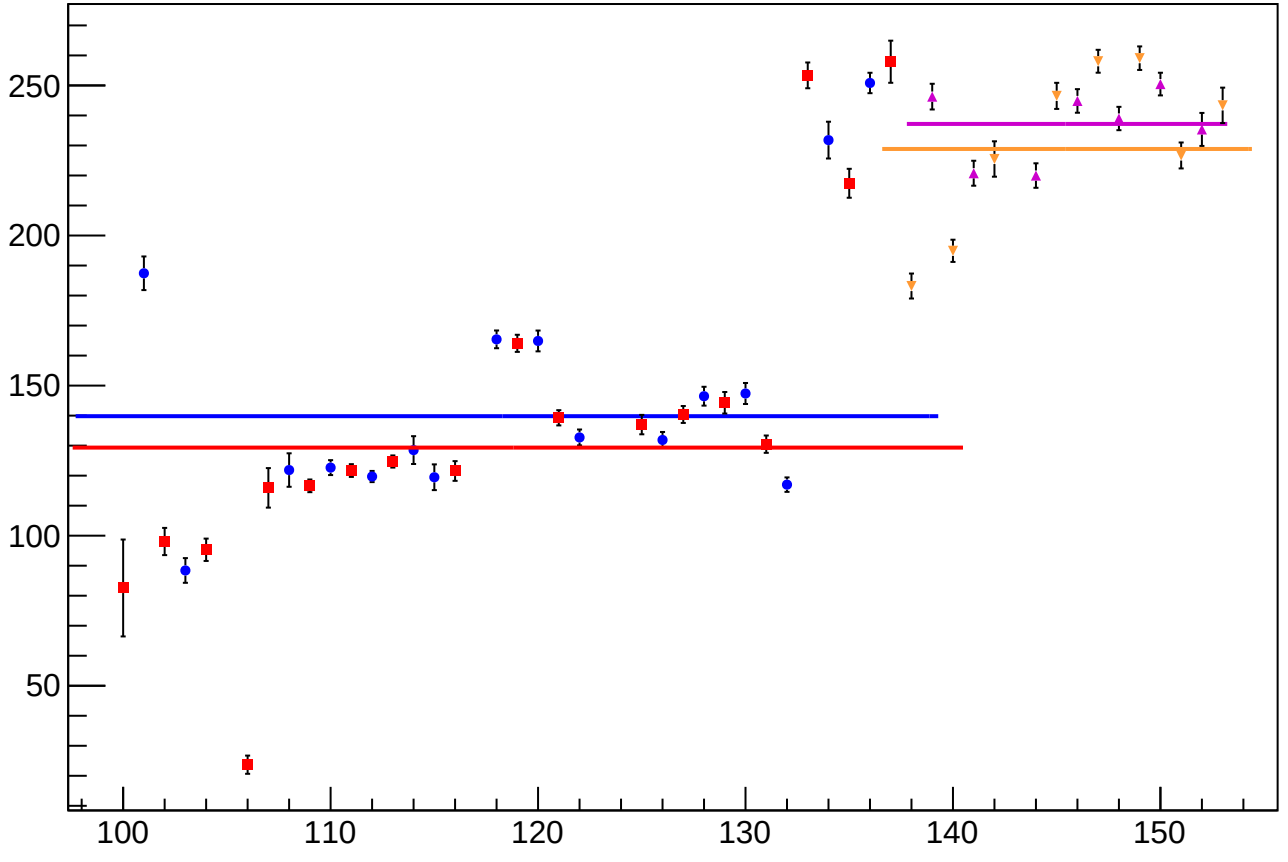
Left In: -170.055+/-0.084 χ^2/NDF:33724.0/6

+ sign -151.717+/-0.058 χ^2/NDF: 244324.7/23

All: -133.134+/-0.038 χ^2/NDF: 1774385.2/48

- sign -118.991+/-0.051 χ^2/NDF: 1351680.6/24

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 228.837+/-1.528 χ^2/NDF:345.8/7

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

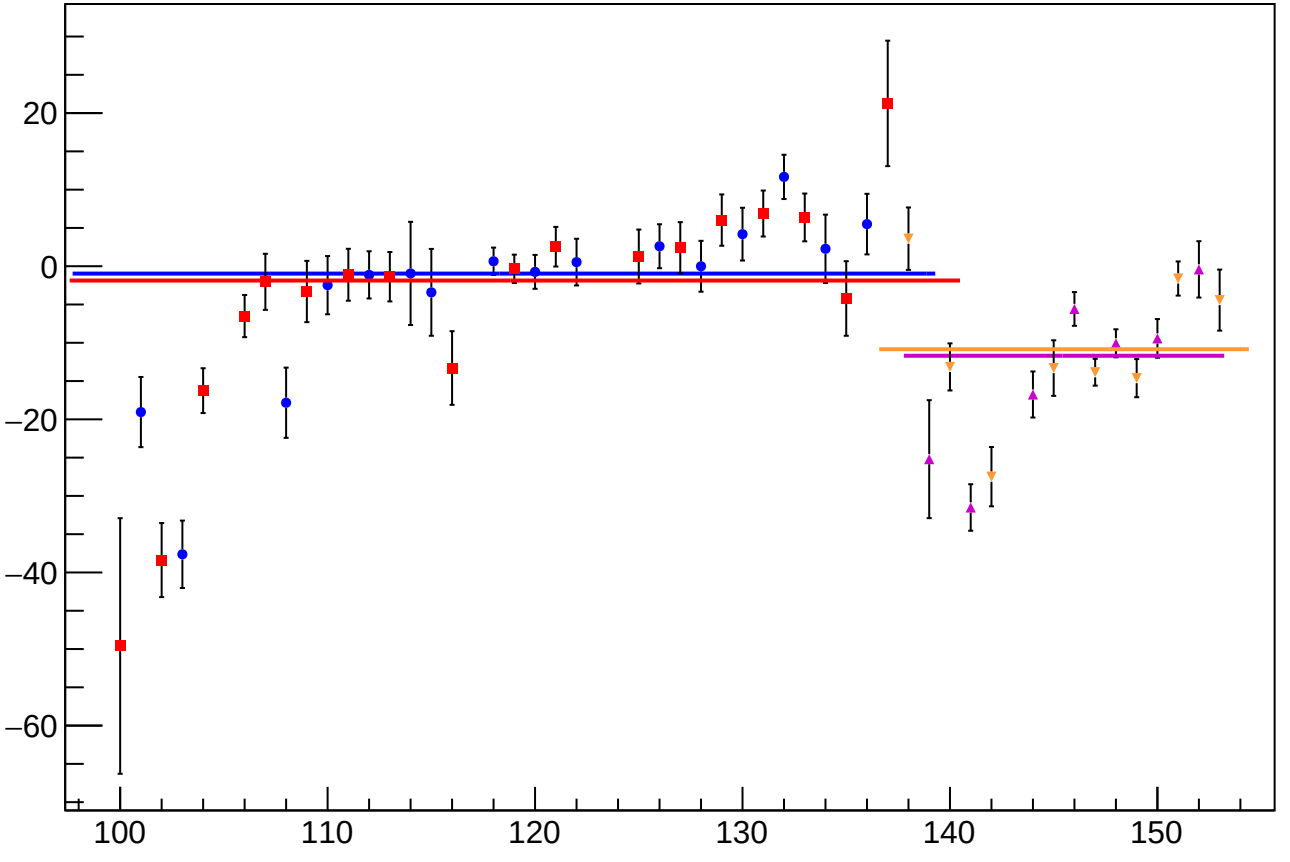
Left In: 237.177+/-1.568 χ^2/NDF:54.4/6

\+ sign 158.387+/-0.698 χ^2/NDF: 4997.6/23

All: 153.326+/-0.481 χ^2/NDF: 12153.5/48

\- sign 148.731+/-0.665 χ^2/NDF: 7055.6/24

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -10.842+/-0.972 χ^2/NDF:57.0/7

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

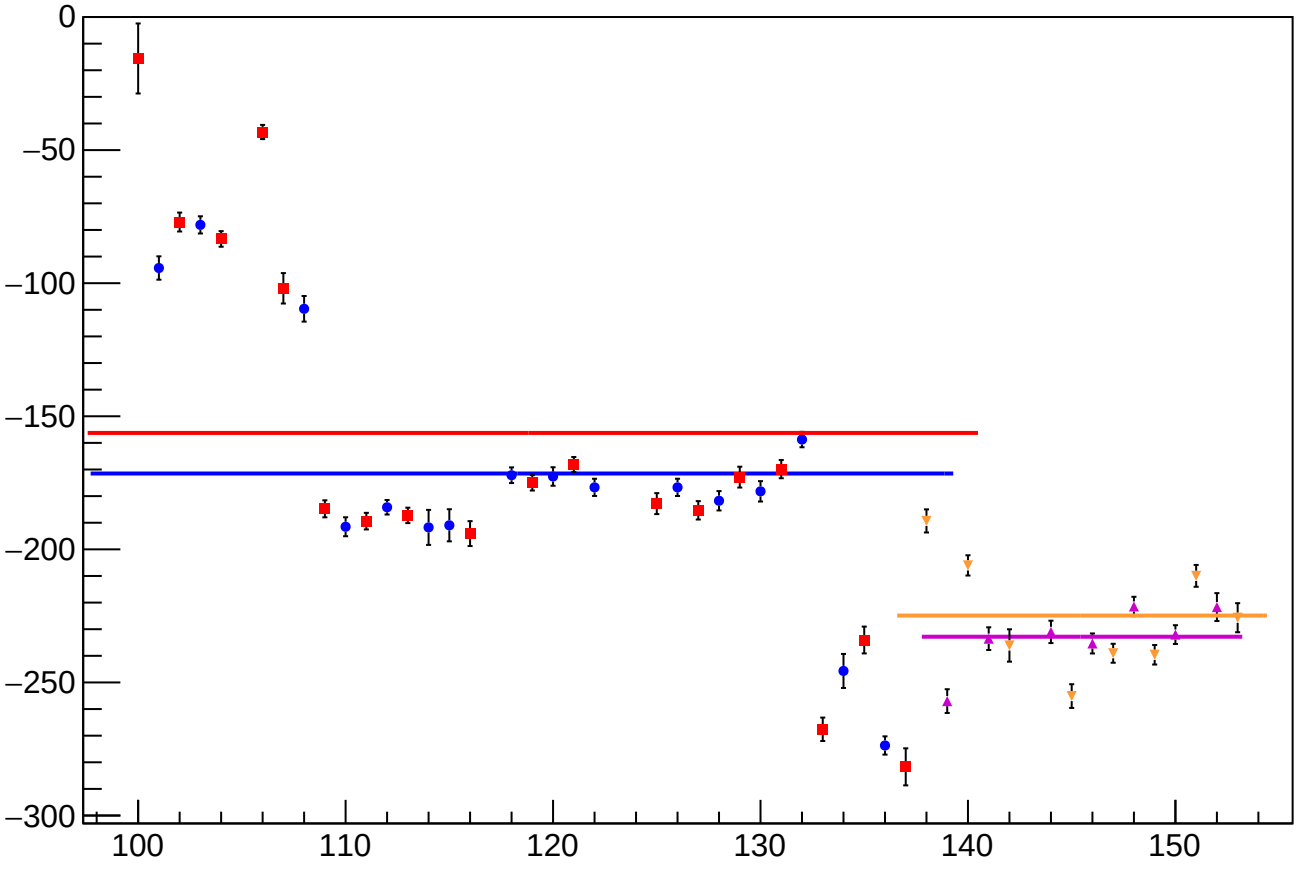
Left In: -11.694+/-1.015 χ^2/NDF:67.2/6

+ sign -5.003+/-0.621 χ^2/NDF: 244.2/23

All: -5.271+/-0.439 χ^2/NDF: 503.6/48

- sign -5.538+/-0.620 χ^2/NDF: 259.0/24

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.871+/-1.497 χ^2/NDF:186.4/7

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

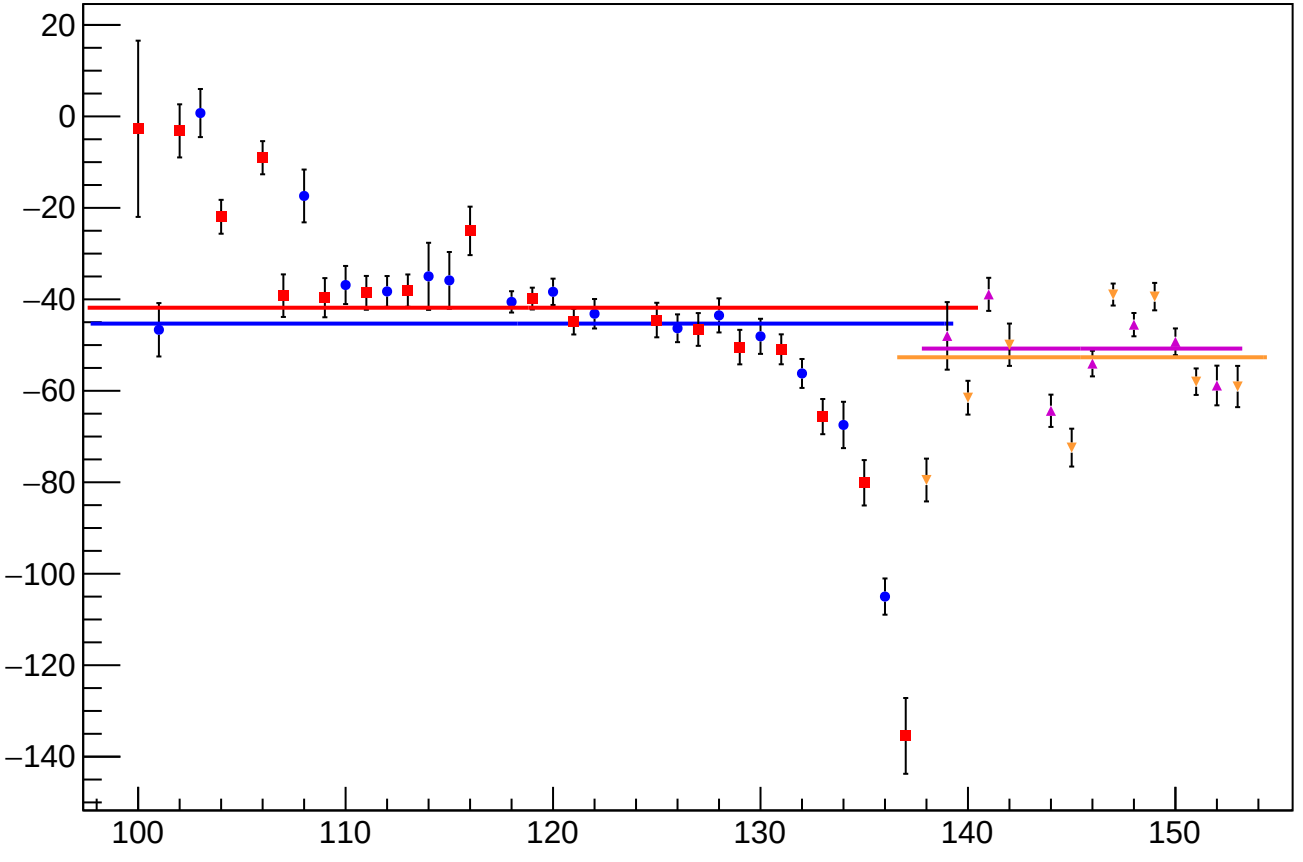
Left In: -232.828+/-1.534 χ^2/NDF:44.4/6

+ sign -185.824+/-0.776 χ^2/NDF: 3558.4/23

All: -179.730+/-0.536 χ^2/NDF: 10533.9/48

- sign -174.157+/-0.742 χ^2/NDF: 6857.3/24

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -52.666+/-1.216 χ^2/NDF:119.2/7

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

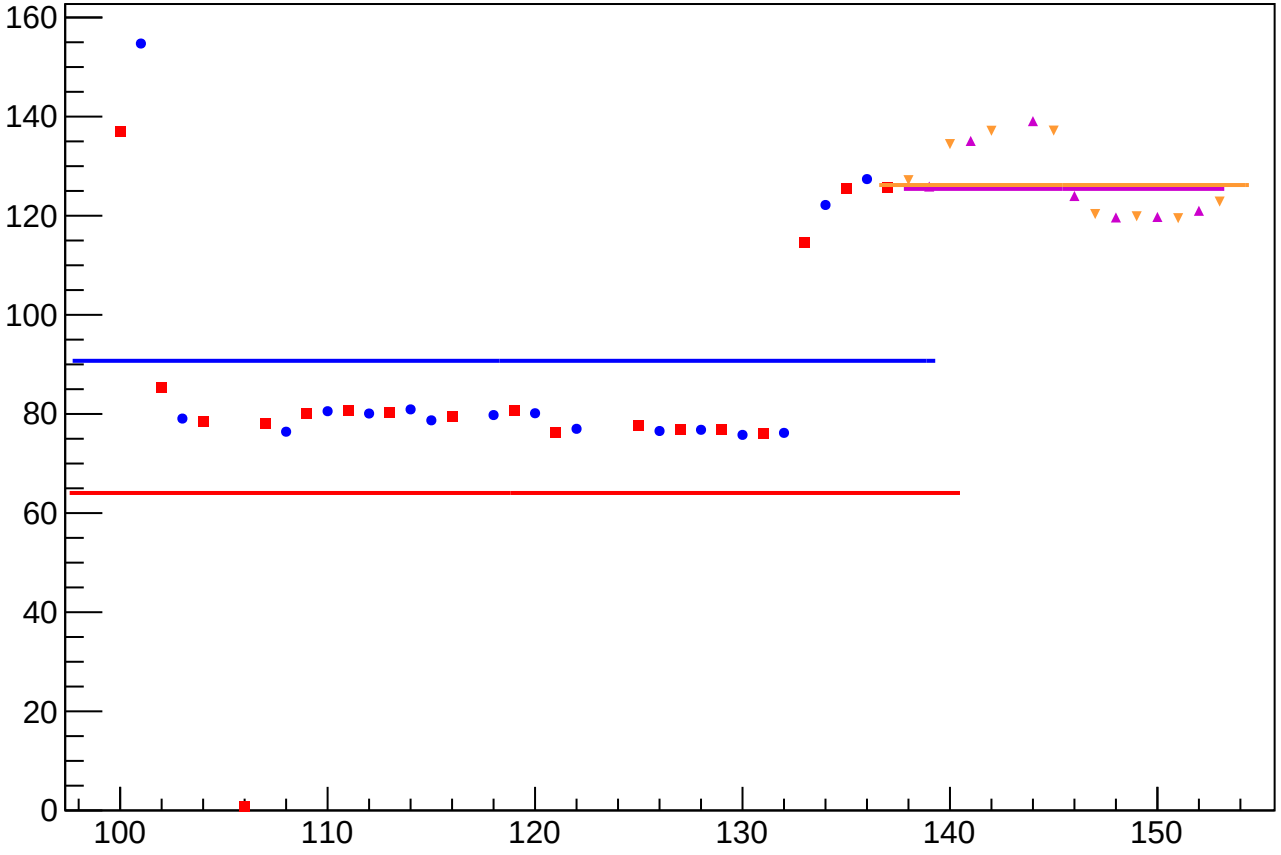
Left In: -50.766+/-1.263 χ^2/NDF:35.0/6

+ sign -48.049+/-0.743 χ^2/NDF: 524.2/23

All: -46.455+/-0.523 χ^2/NDF: 1015.6/48

- sign -44.881+/-0.738 χ^2/NDF: 482.2/24

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 126.193+/-0.062 χ^2/NDF:13232.1/7

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

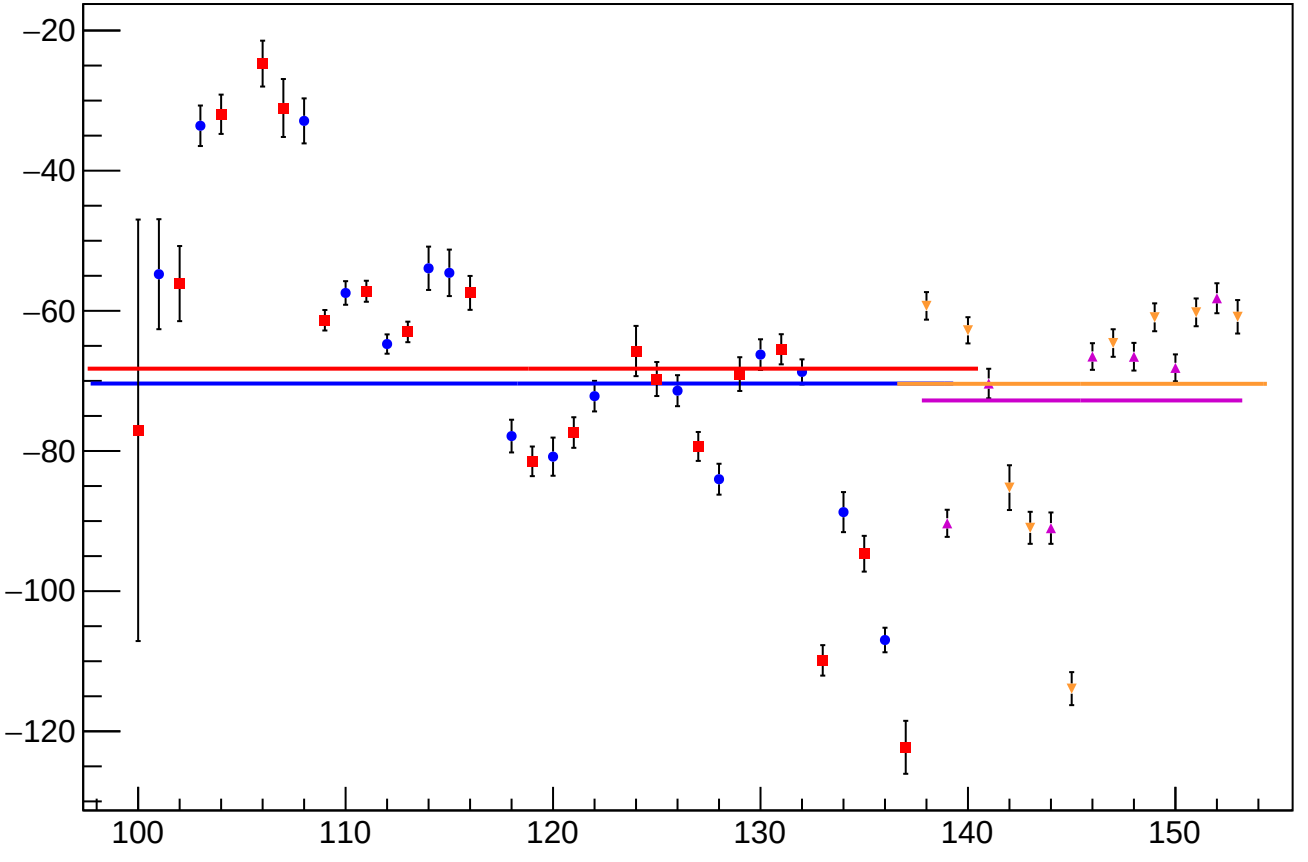
Left In: 125.415+/-0.062 χ^2/NDF:12083.7/6

+ sign 107.534+/-0.042 χ^2/NDF: 348679.9/23

All: 96.786+/-0.029 χ^2/NDF: 1741215.0/48

- sign 87.915+/-0.039 χ^2/NDF: 1275359.8/24

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -70.414+/-0.715 χ^2/NDF:566.0/8

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

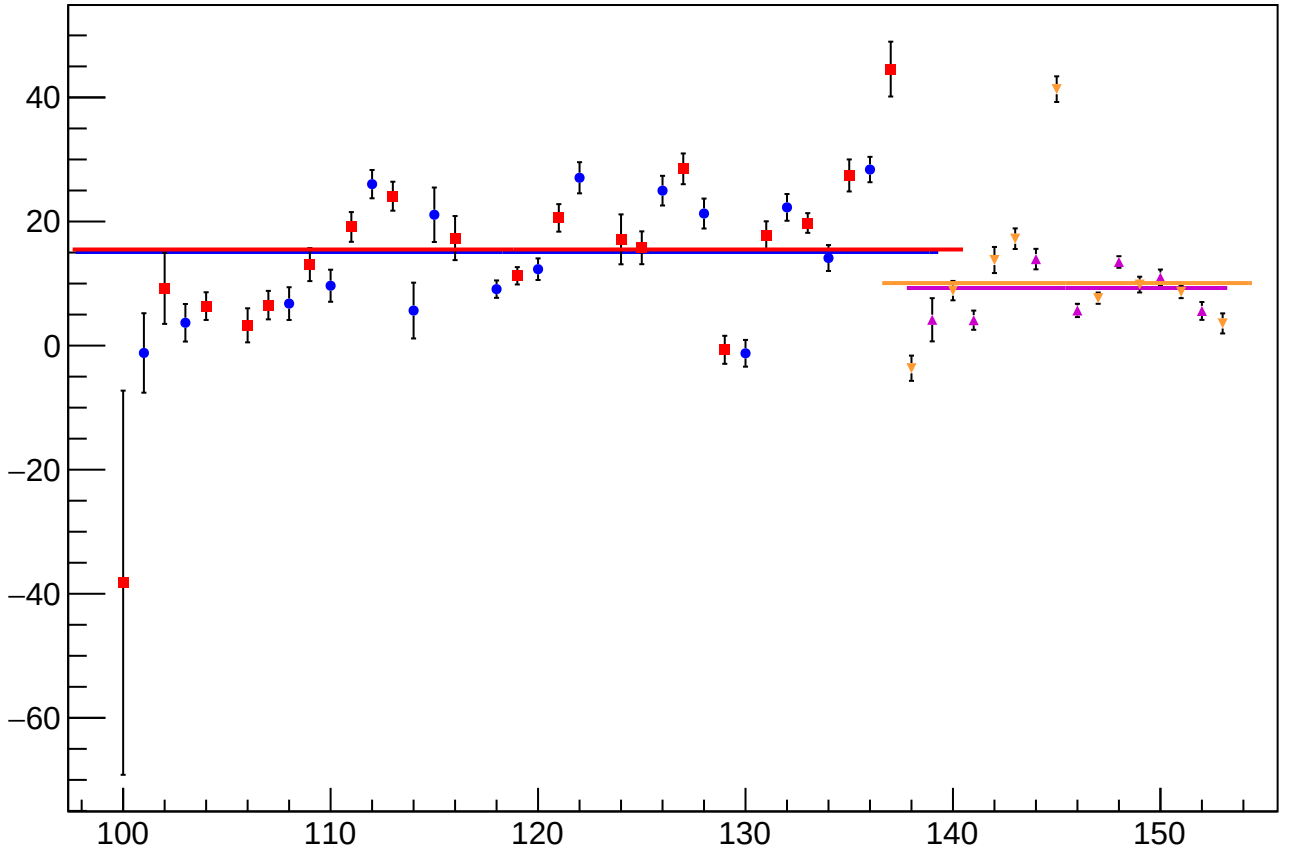
Left In: -72.788+/-0.764 χ^2/NDF:222.8/6

+ sign -70.390+/-0.440 χ^2/NDF: 1540.9/24

All: -70.047+/-0.309 χ^2/NDF: 3094.8/50

- sign -69.713+/-0.434 χ^2/NDF: 1552.7/25

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 10.080+/-0.464 χ^2/NDF:321.3/8

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

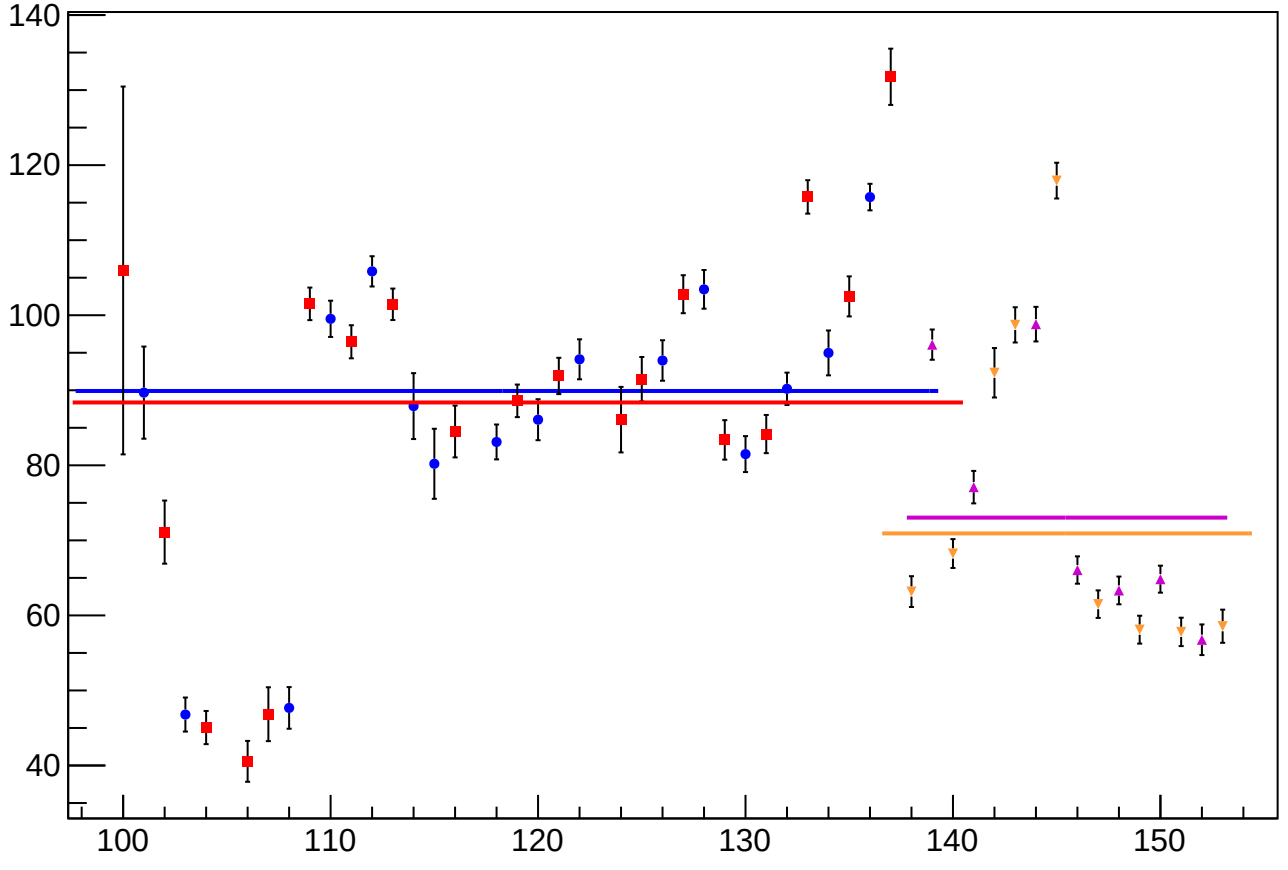
Left In: 9.281+/-0.502 χ^2/NDF:61.3/6

\+ sign 12.034+/-0.363 χ^2/NDF: 609.2/24

All: 12.045+/-0.260 χ^2/NDF: 978.3/50

\- sign 12.056+/-0.373 χ^2/NDF: 369.1/25

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 70.928+/-0.702 χ^2/NDF:741.0/8

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

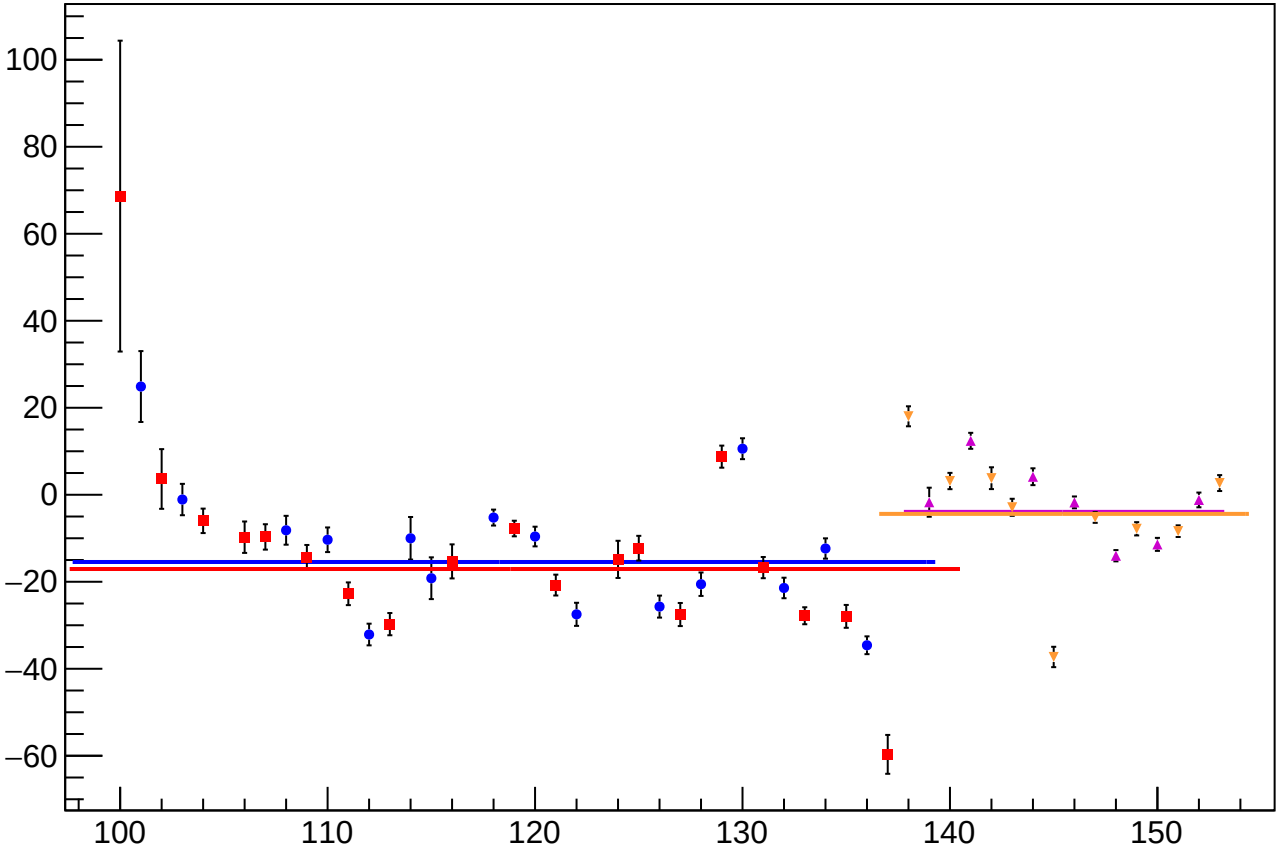
Left In: 73.031+/-0.747 χ^2/NDF:385.9/6

\+ sign 81.285+/-0.473 χ^2/NDF: 2087.4/24

All: 81.714+/-0.336 χ^2/NDF: 4014.4/50

\- sign 82.148+/-0.476 χ^2/NDF: 1925.4/25

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -4.397+/-0.576 χ^2/NDF:349.2/8

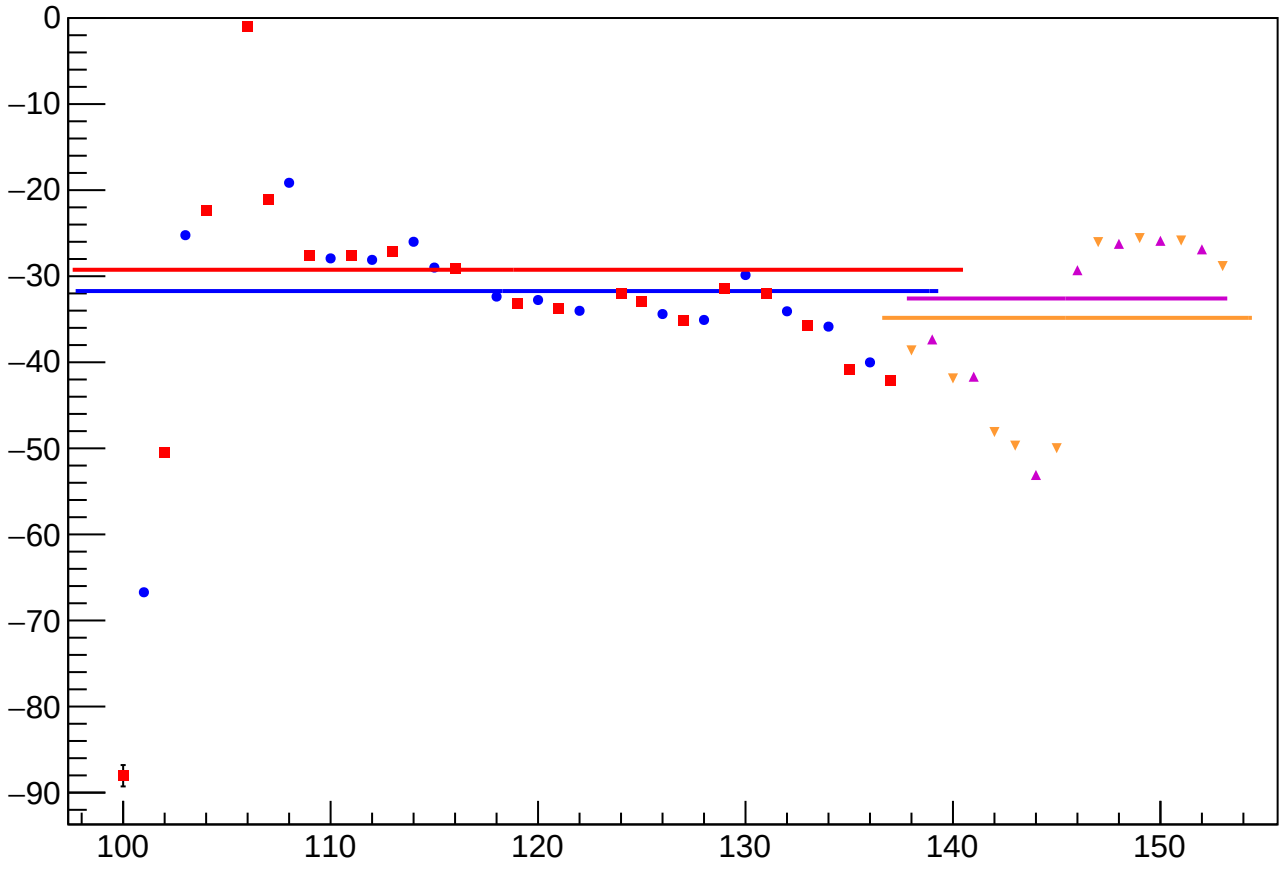
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -3.934+/-0.622 χ^2/NDF:187.5/6

+ sign -9.137+/-0.436 χ^2/NDF: 893.4/24

All: -9.692+/-0.312 χ^2/NDF: 1660.4/50

- sign -10.278+/-0.447 χ^2/NDF: 763.7/25



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -34.837+/-0.028 χ^2/NDF:114511.4/8

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

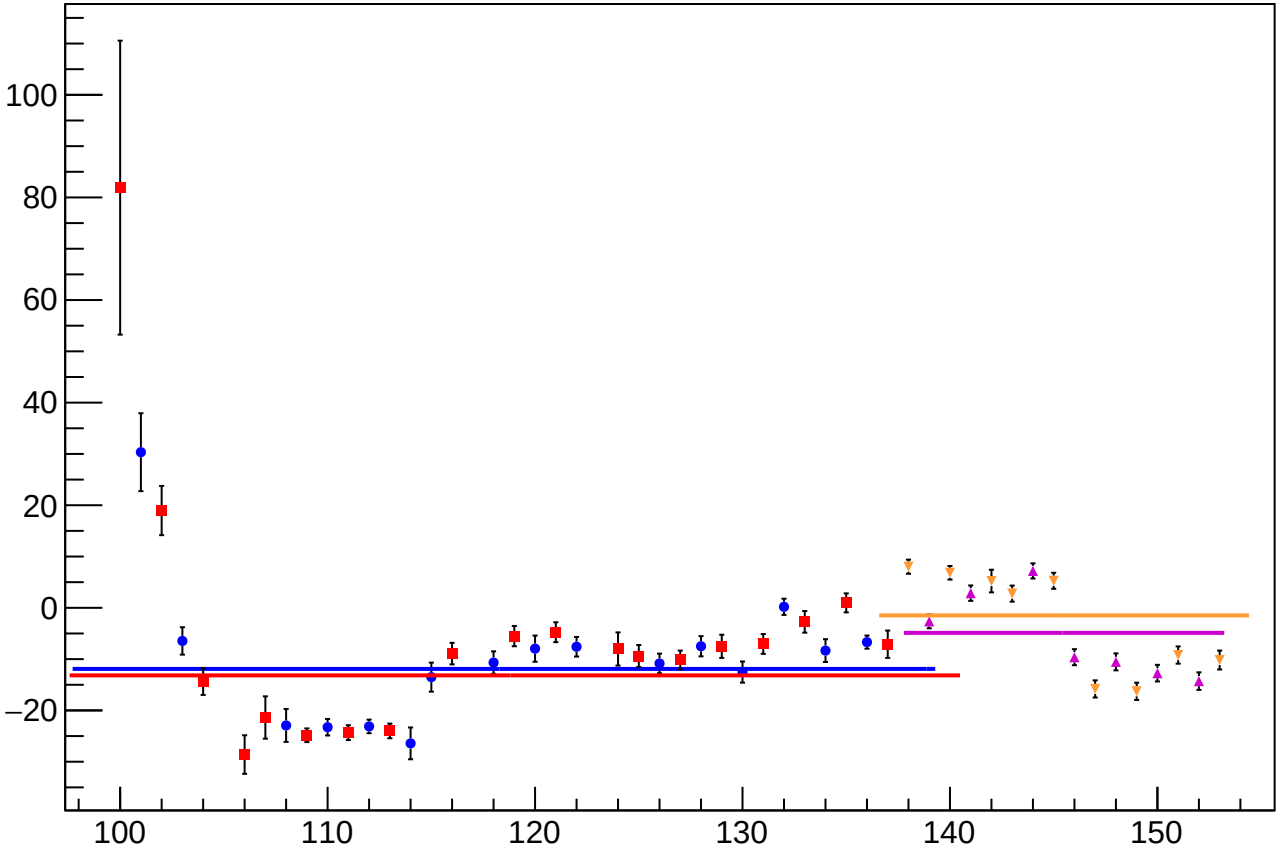
Left In: -32.589+/-0.030 χ^2/NDF:77938.2/6

+ sign -33.737+/-0.023 χ^2/NDF: 158369.3/24

All: -32.569+/-0.016 χ^2/NDF: 341602.3/50

- sign -31.340+/-0.024 χ^2/NDF: 177898.7/25

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -1.479+/-0.536 χ^2/NDF:315.7/8

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

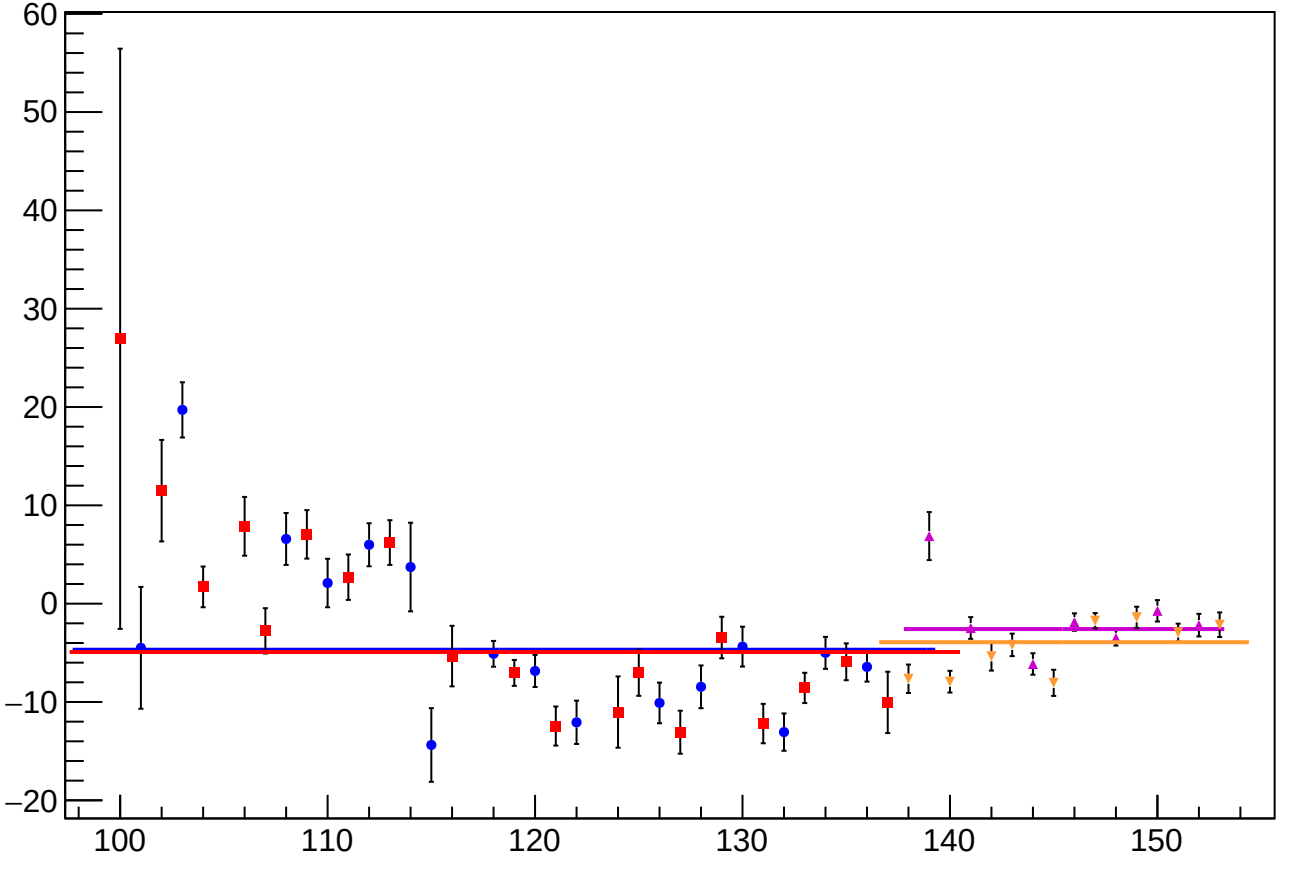
Left In: -4.884+/-0.582 χ^2/NDF:171.0/6

\+ sign -7.092+/-0.364 χ^2/NDF: 801.2/24

All: -8.432+/-0.260 χ^2/NDF: 1541.8/50

\- sign -9.816+/-0.370 χ^2/NDF: 713.1/25

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -3.919+/-0.363 χ^2/NDF:47.4/8

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

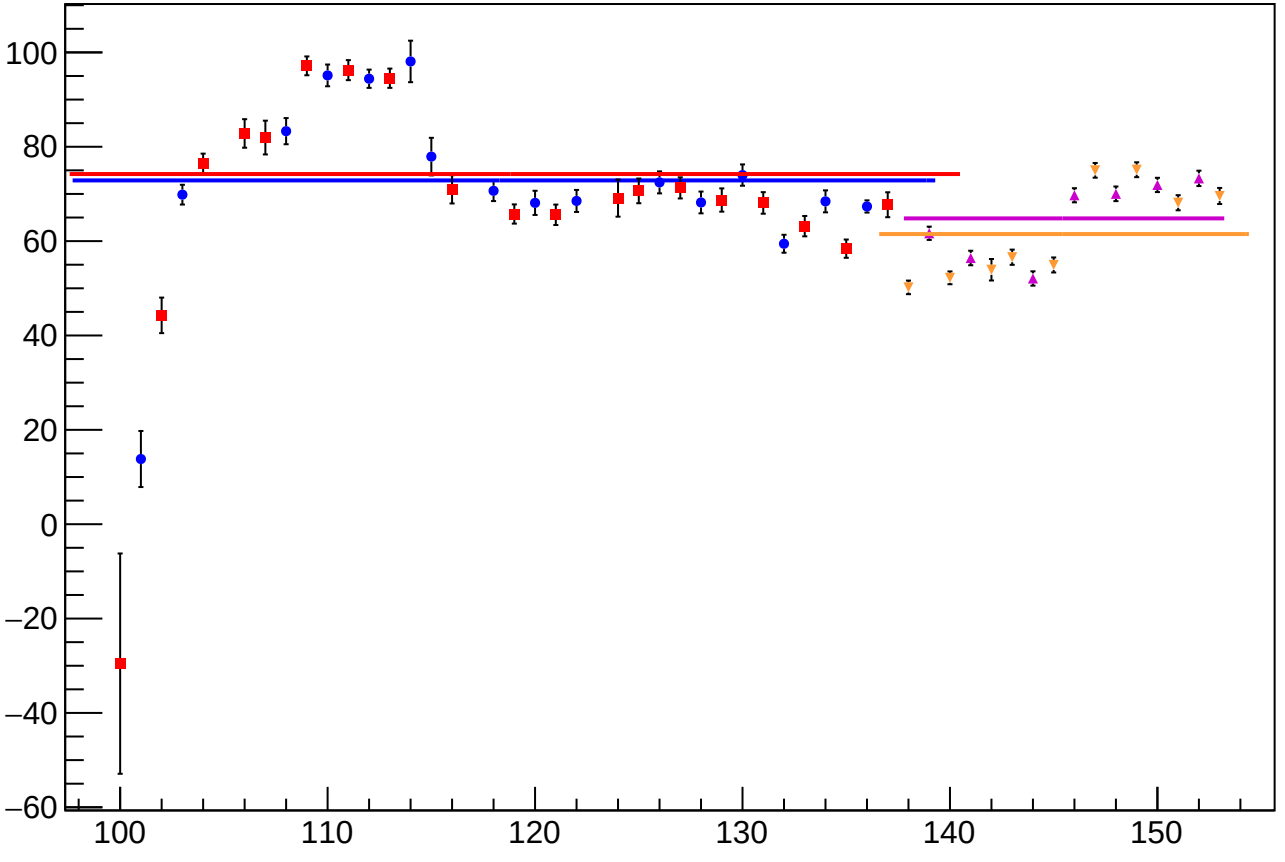
Left In: -2.584+/-0.397 χ^2/NDF:30.6/6

+ sign -4.173+/-0.297 χ^2/NDF: 227.9/24

All: -3.834+/-0.216 χ^2/NDF: 430.0/50

- sign -3.457+/-0.314 χ^2/NDF: 199.4/25

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 61.496+/-0.532 χ^2/NDF:334.4/8

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

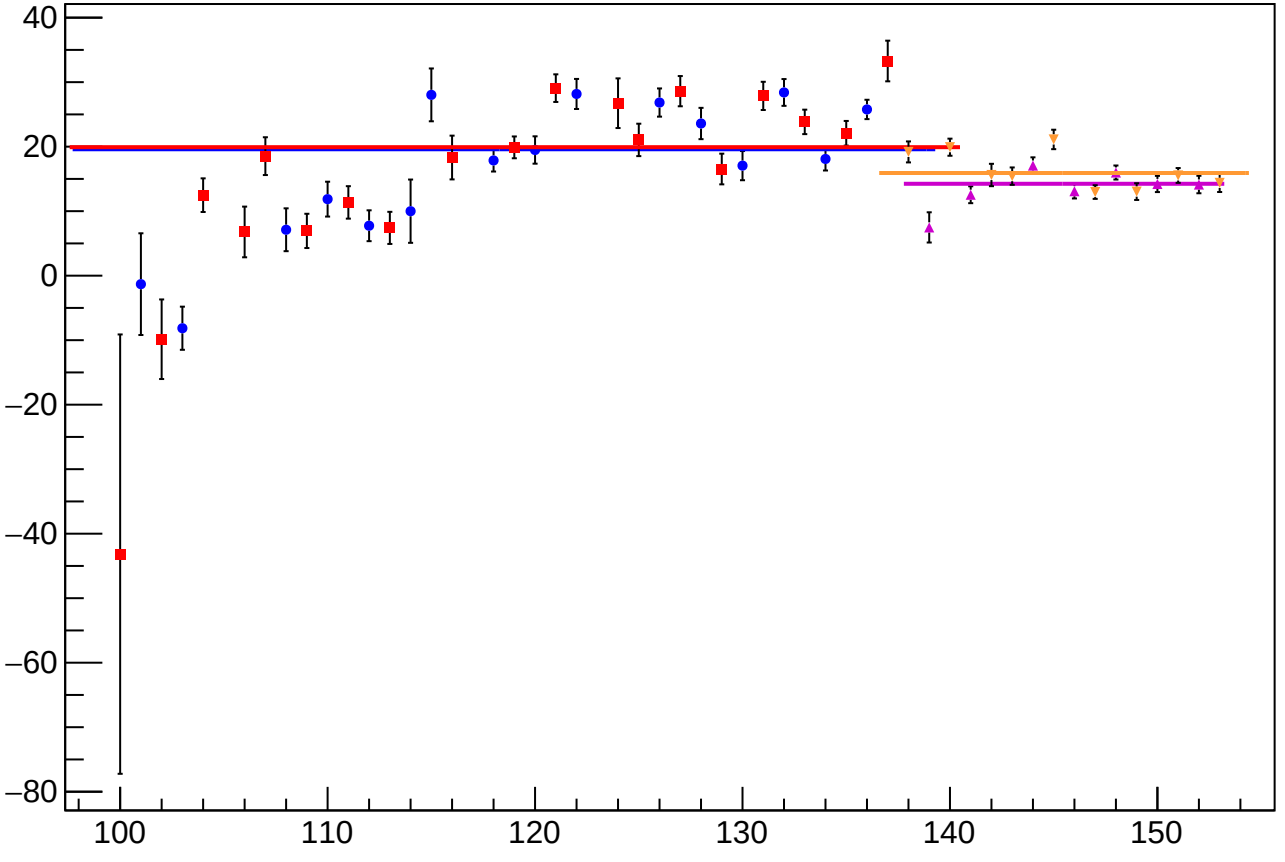
Left In: 64.814+/-0.574 χ^2/NDF:176.1/6

+ sign 66.831+/-0.387 χ^2/NDF: 999.8/24

All: 68.171+/-0.279 χ^2/NDF: 1923.9/50

- sign 69.613+/-0.402 χ^2/NDF: 899.3/25

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 15.917+/-0.446 χ^2/NDF:39.3/8

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

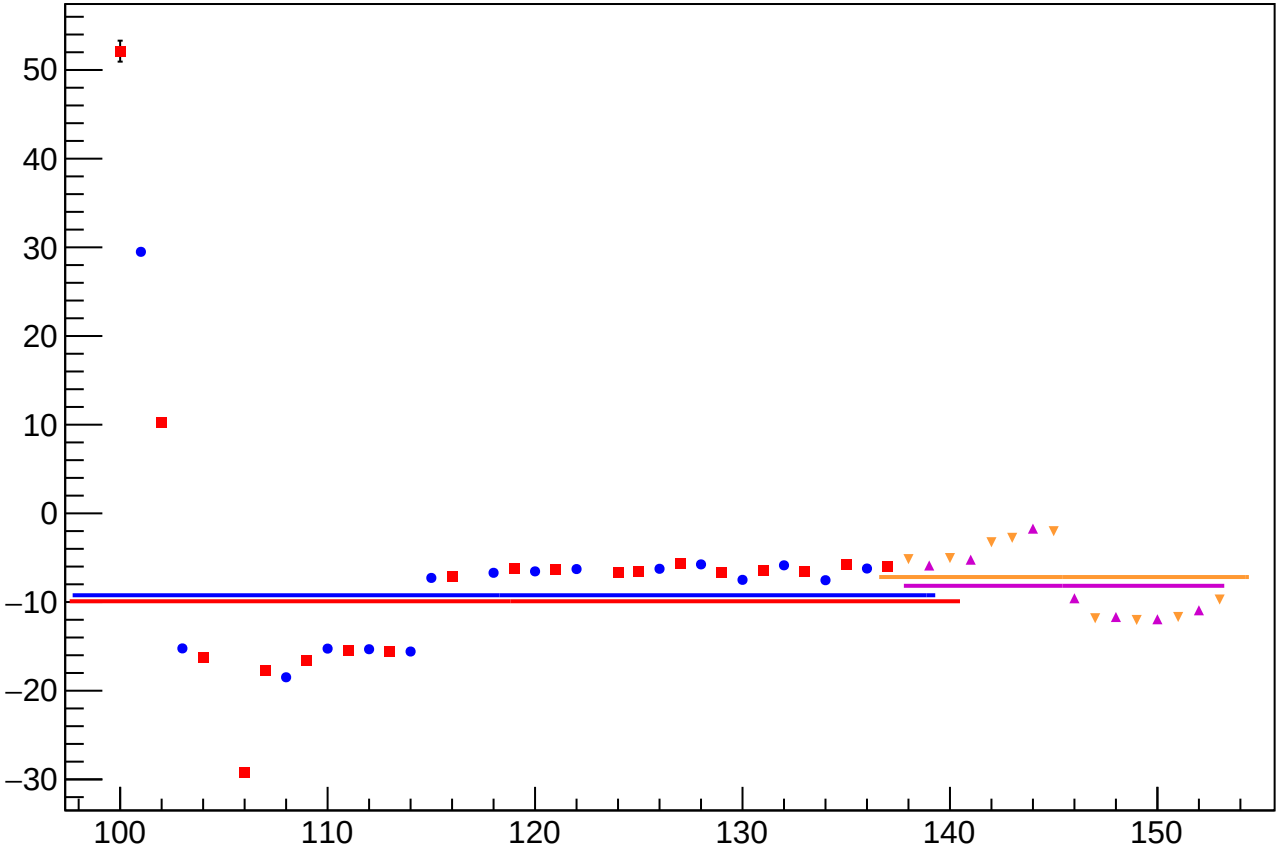
Left In: 14.245+/-0.489 χ^2/NDF:18.5/6

+ sign 17.269+/-0.355 χ^2/NDF: 260.3/24

All: 16.941+/-0.258 χ^2/NDF: 517.4/50

- sign 16.574+/-0.375 χ^2/NDF: 255.3/25

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -7.181+/-0.022 χ^2/NDF:32364.5/8

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

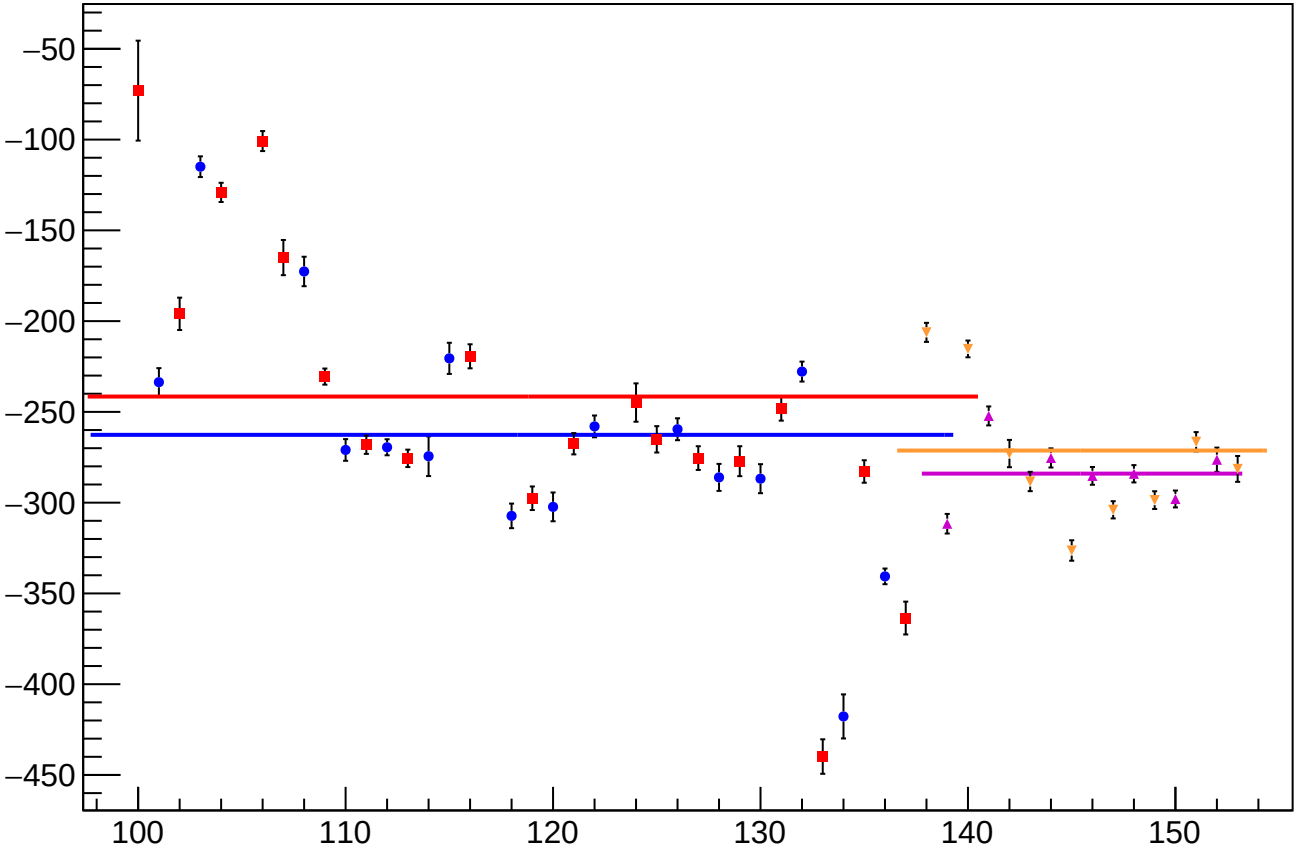
Left In: -8.169+/-0.023 χ^2/NDF:22959.2/6

+ sign -7.798+/-0.018 χ^2/NDF: 66260.4/24

All: -8.224+/-0.013 χ^2/NDF: 146055.2/50

- sign -8.701+/-0.019 χ^2/NDF: 78604.1/25

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -271.294+/-1.798 χ^2/NDF:488.6/8

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

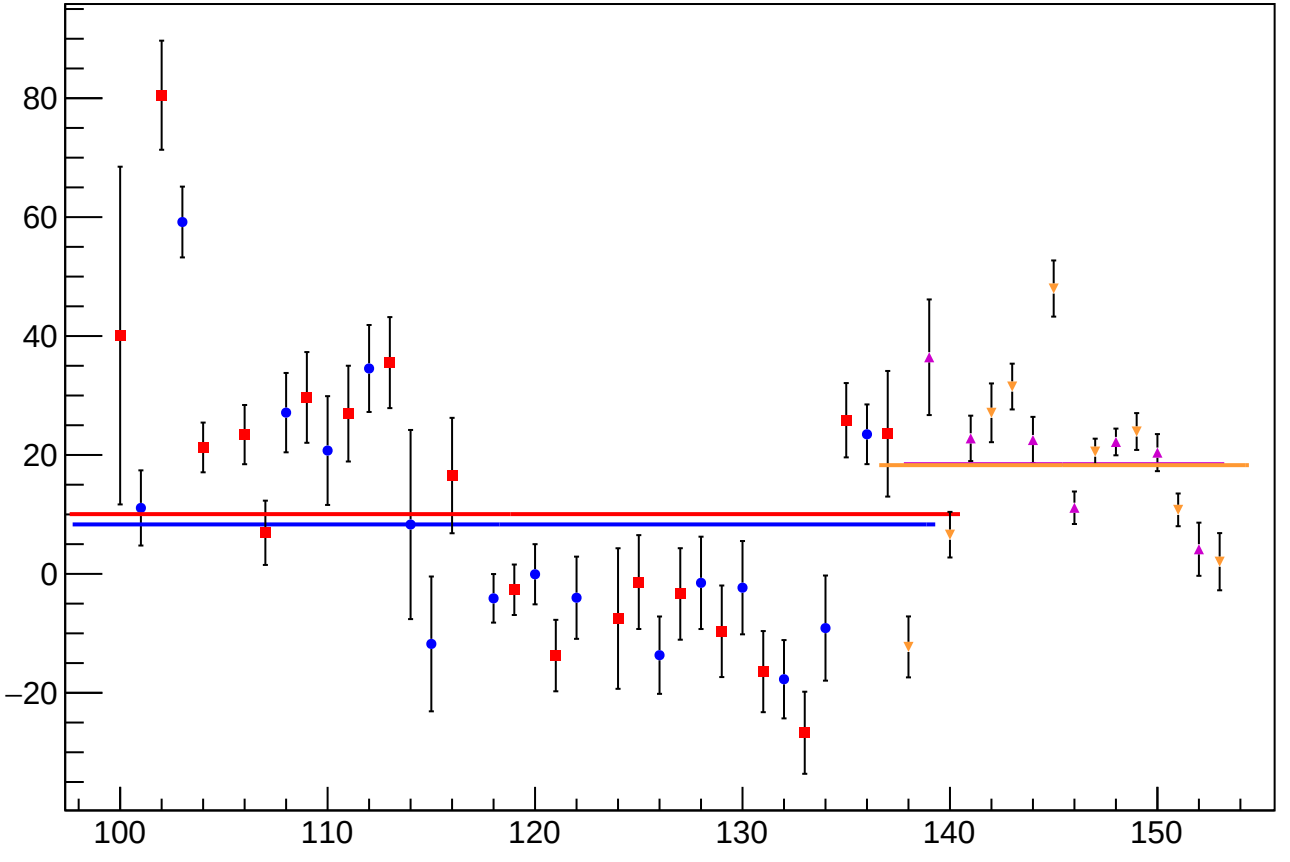
Left In: -284.006+/-1.958 χ^2/NDF:76.2/6

+ sign -266.503+/-1.201 χ^2/NDF: 1955.7/24

All: -261.891+/-0.847 χ^2/NDF: 4495.3/50

- sign -257.335+/-1.194 χ^2/NDF: 2510.2/25

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 18.287+/-1.155 χ^2/NDF:122.6/8

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

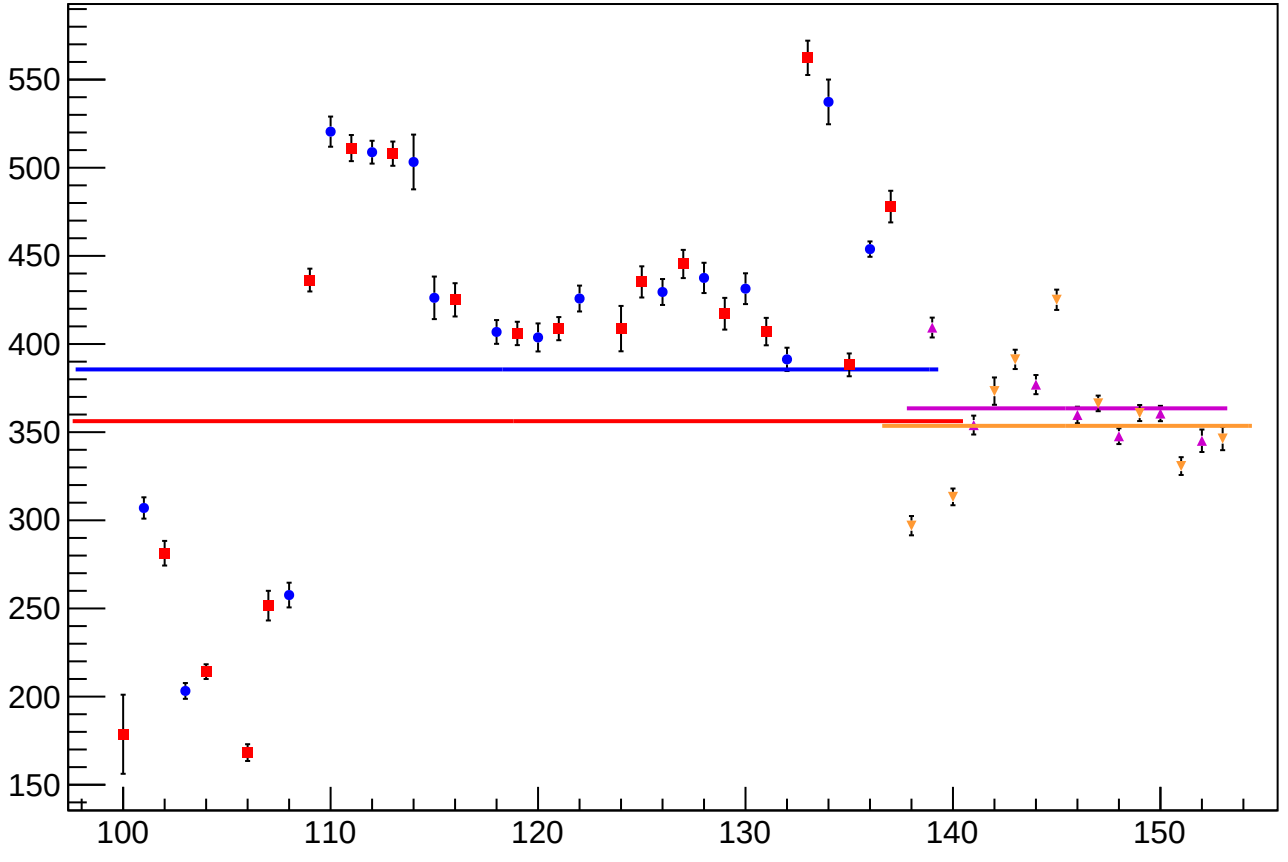
Left In: 18.453+/-1.260 χ^2/NDF:26.4/6

+ sign 14.993+/-0.945 χ^2/NDF: 304.9/24

All: 15.037+/-0.678 χ^2/NDF: 536.6/50

- sign 15.082+/-0.975 χ^2/NDF: 231.7/25

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 353.586+/-1.769 χ^2/NDF:419.7/8

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

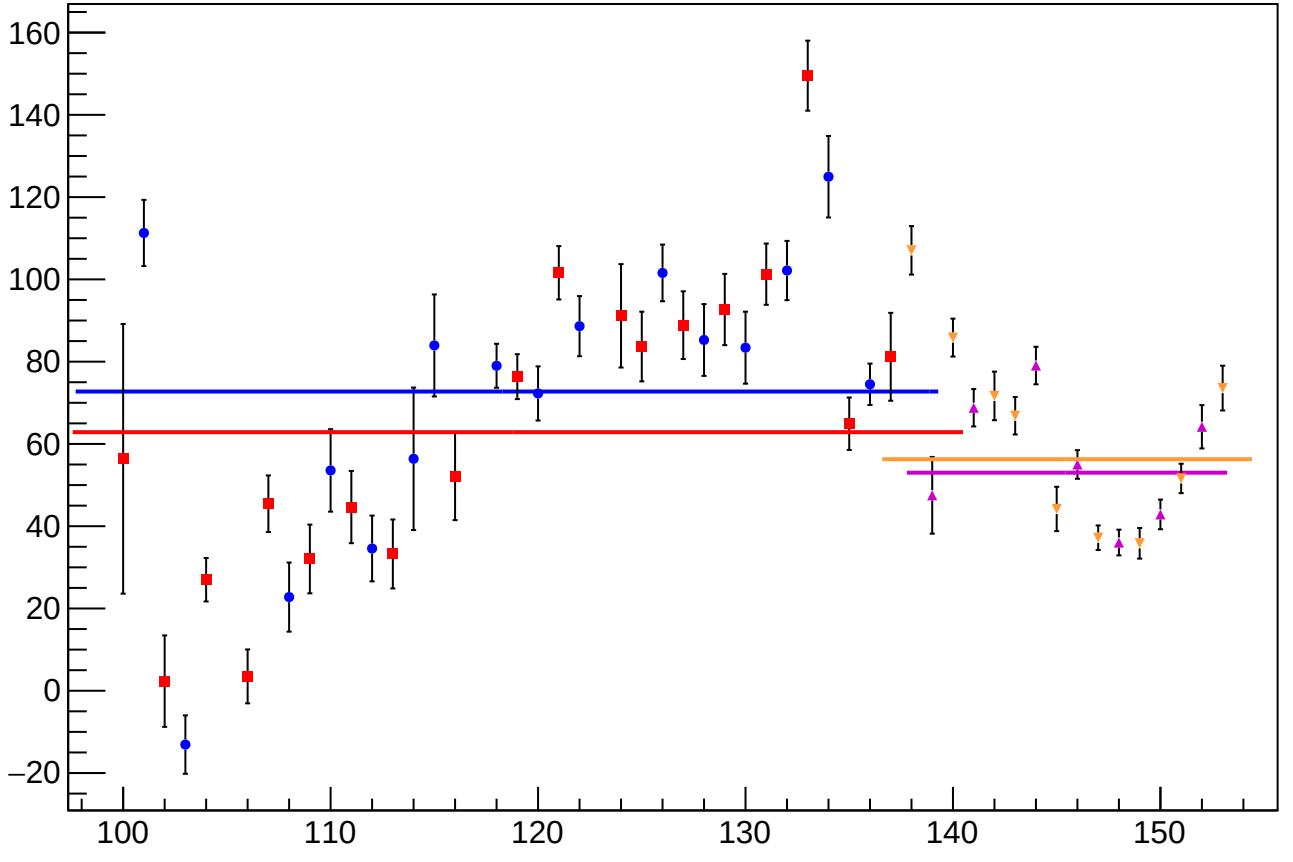
Left In: 363.513+/-1.912 χ^2/NDF:97.5/6

+ sign 369.834+/-1.241 χ^2/NDF: 3958.9/24

All: 364.614+/-0.880 χ^2/NDF: 9370.6/50

- sign 359.340+/-1.248 χ^2/NDF: 5376.1/25

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 56.283+/-1.439 χ^2/NDF:215.2/8

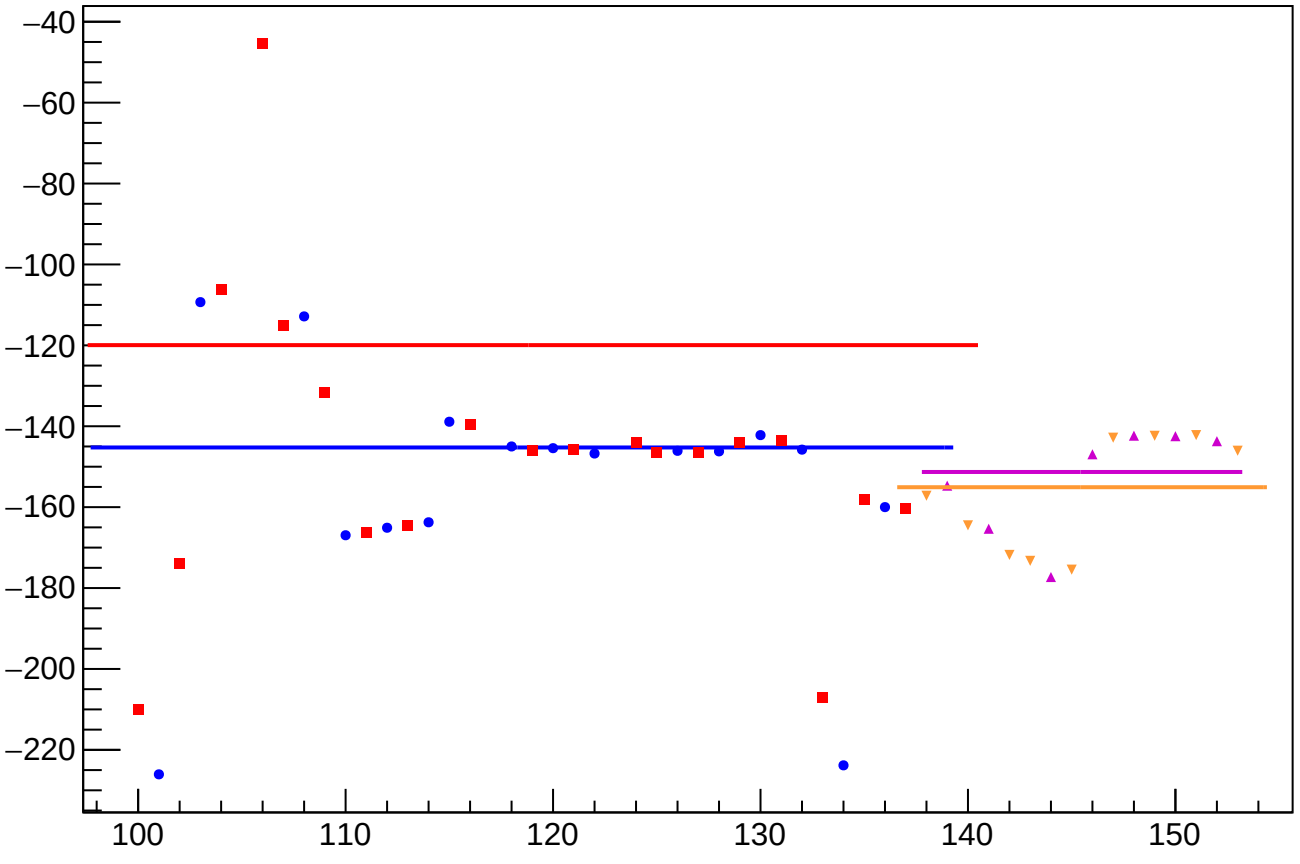
Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 53.015+/-1.570 χ^2/NDF:87.2/6

+ sign 62.294+/-1.146 χ^2/NDF: 567.3/24

All: 59.866+/-0.823 χ^2/NDF: 1084.4/50

- sign 57.285+/-1.182 χ^2/NDF: 507.8/25



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -155.072+/-0.073 χ^2/NDF:33136.5/8

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

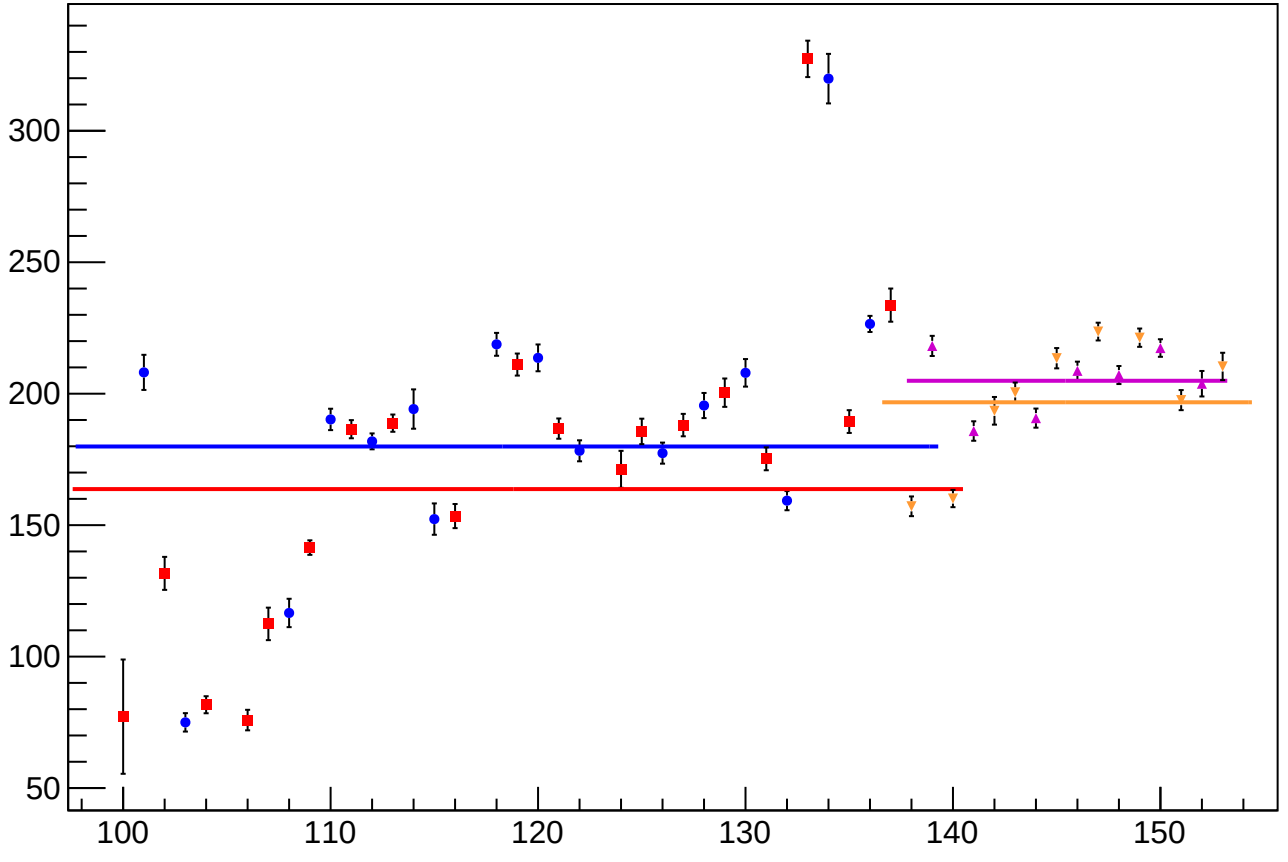
Left In: -151.303+/-0.077 χ^2/NDF:22314.9/6

+ sign -151.590+/-0.059 χ^2/NDF: 171639.7/24

All: -144.698+/-0.041 χ^2/NDF: 562929.2/50

- sign -137.885+/-0.058 χ^2/NDF: 363728.2/25

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 196.733+/-1.275 χ^2/NDF:376.4/8

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

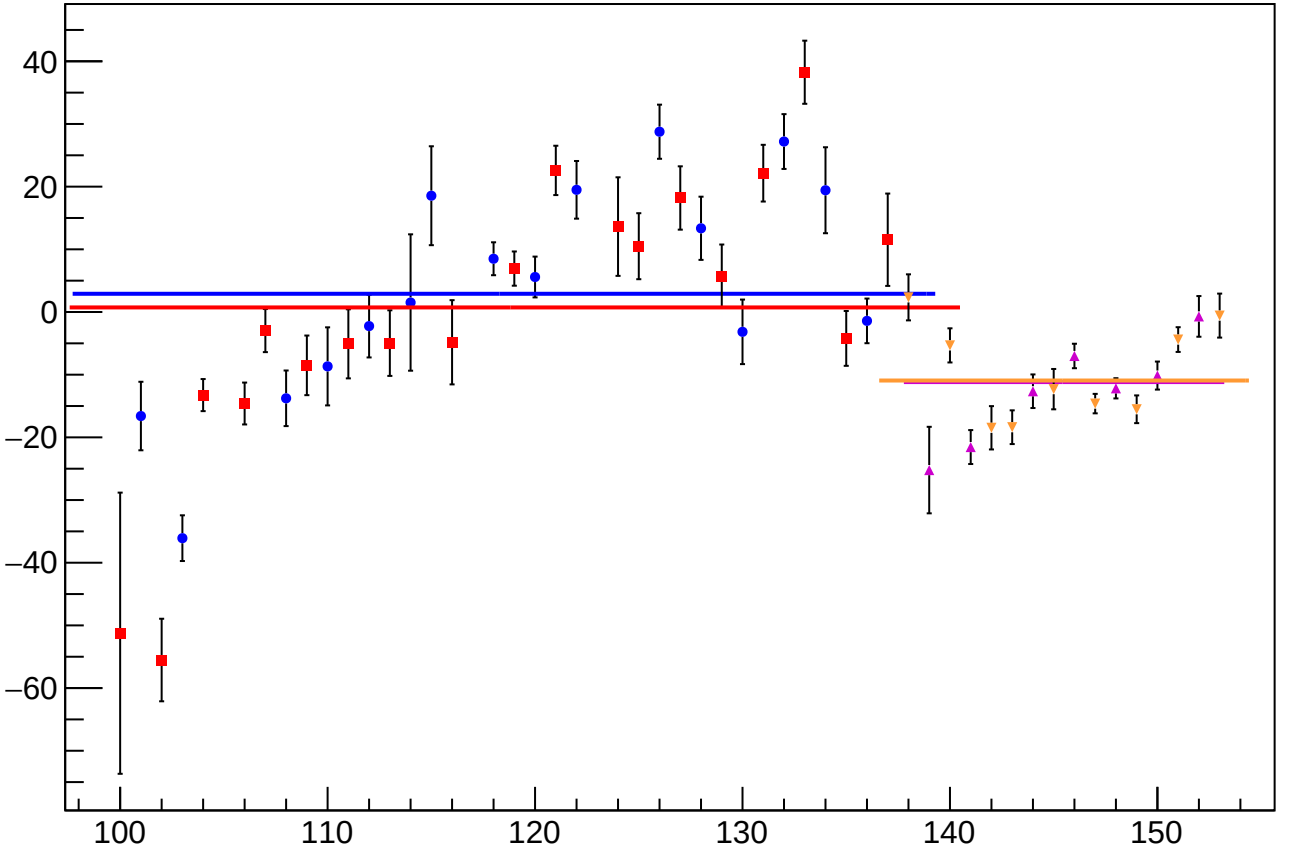
Left In: 204.914+/-1.392 χ^2/NDF:69.4/6

+ sign 187.008+/-0.828 χ^2/NDF: 2209.7/24

All: 182.294+/-0.580 χ^2/NDF: 5336.9/50

- sign 177.753+/-0.813 χ^2/NDF: 3063.5/25

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -10.931+/-0.821 χ^2/NDF:59.5/8

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

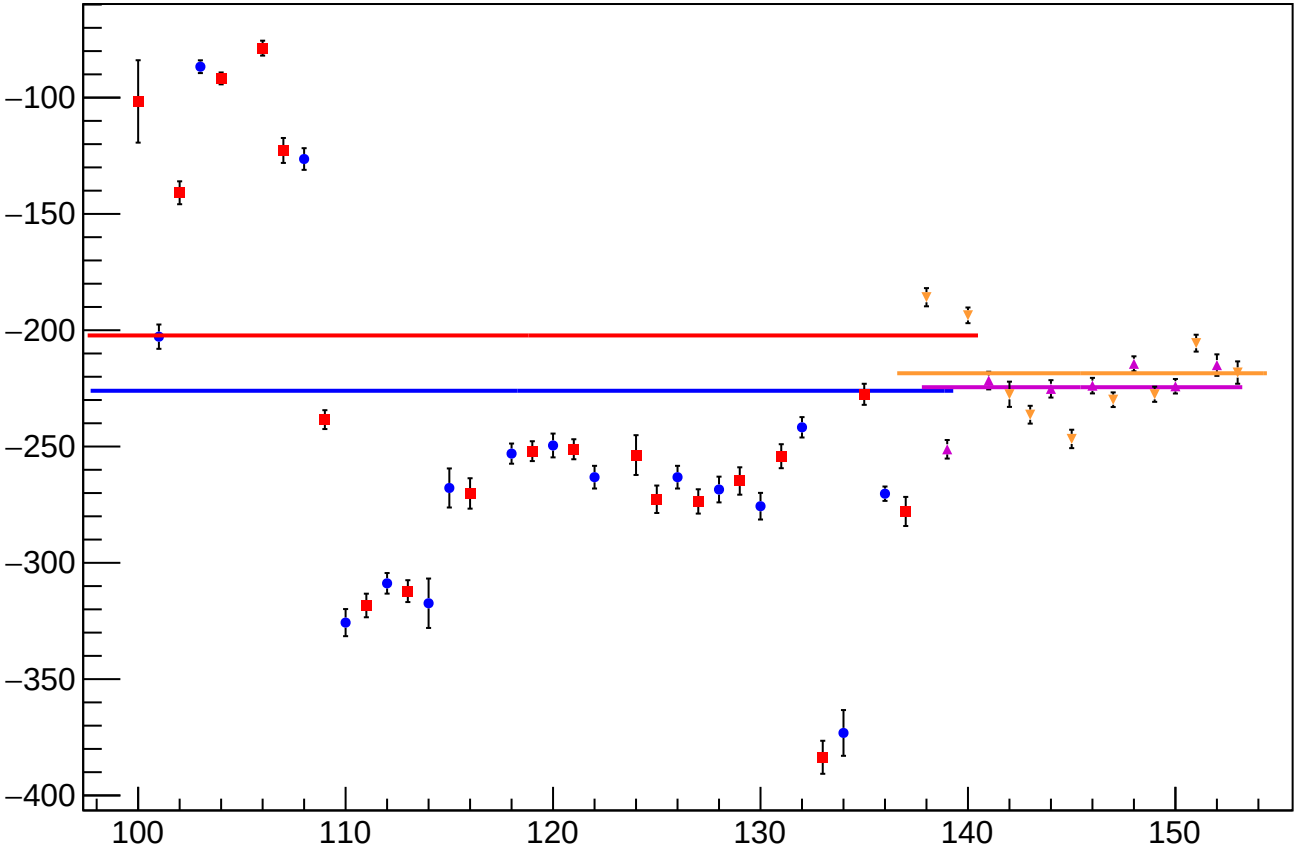
Left In: -11.180+/-0.899 χ^2/NDF:34.7/6

+ sign -6.010+/-0.659 χ^2/NDF: 408.1/24

All: -5.970+/-0.470 χ^2/NDF: 793.8/50

- sign -5.930+/-0.672 χ^2/NDF: 385.7/25

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.502+/-1.256 χ^2/NDF:233.3/8

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

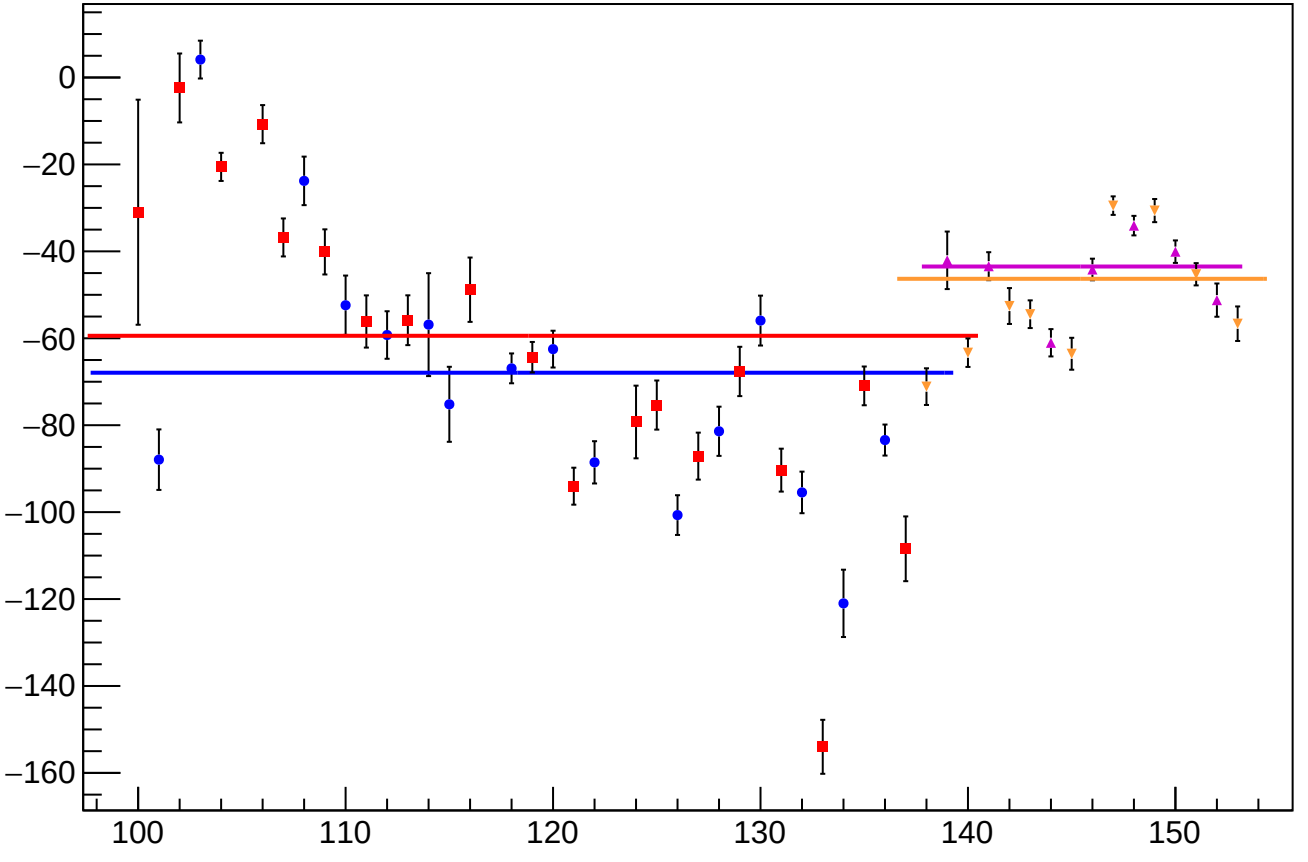
Left In: -224.496+/-1.361 χ^2/NDF:59.4/6

+ sign -222.515+/-0.858 χ^2/NDF: 4791.5/24

All: -216.654+/-0.604 χ^2/NDF: 11797.2/50

- sign -210.910+/-0.849 χ^2/NDF: 6913.3/25

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -46.316+/-1.022 χ^2/NDF:196.6/8

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

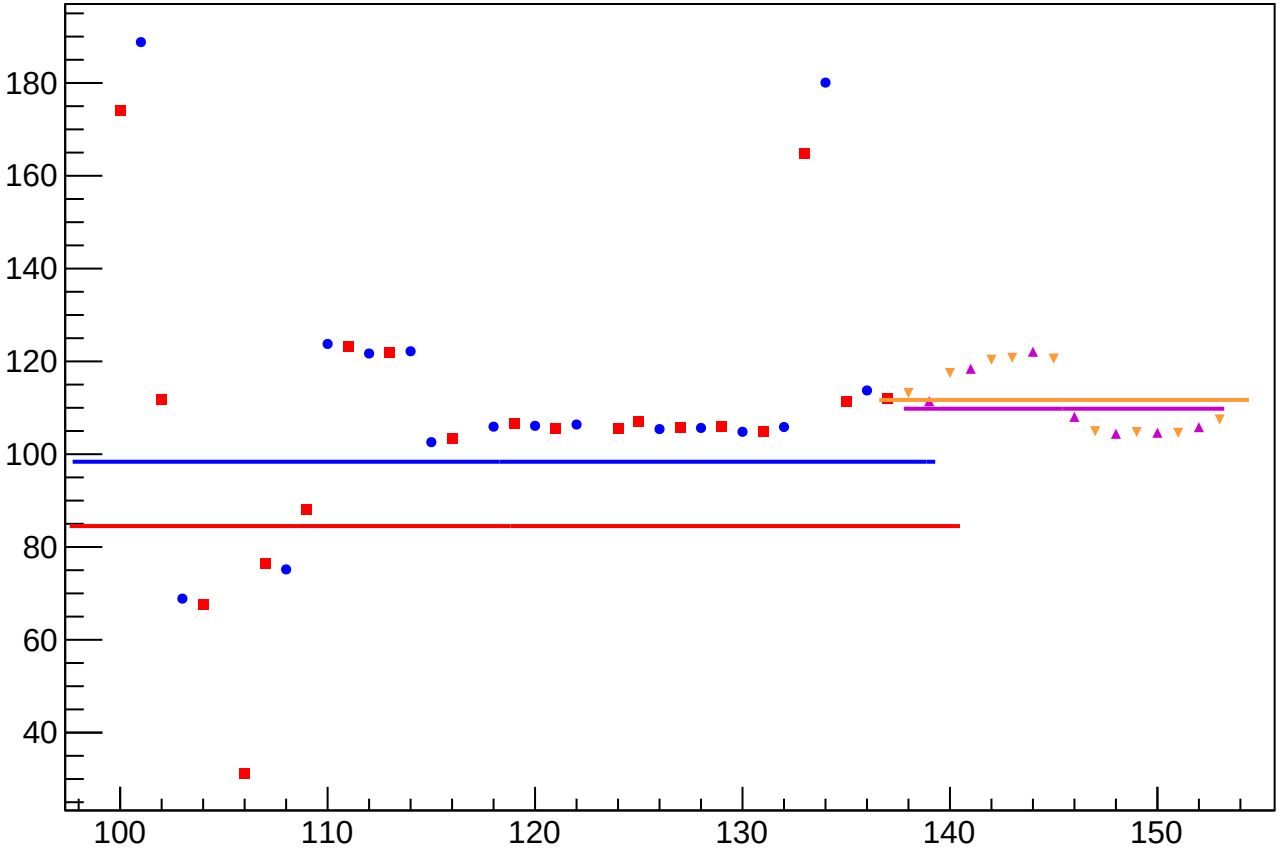
Left In: -43.488+/-1.120 χ^2/NDF:54.6/6

+ sign -54.743+/-0.798 χ^2/NDF: 905.0/24

All: -52.913+/-0.570 χ^2/NDF: 1860.9/50

- sign -51.012+/-0.813 χ^2/NDF: 945.2/25

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 111.695+/-0.052 χ^2/NDF:17501.3/8

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

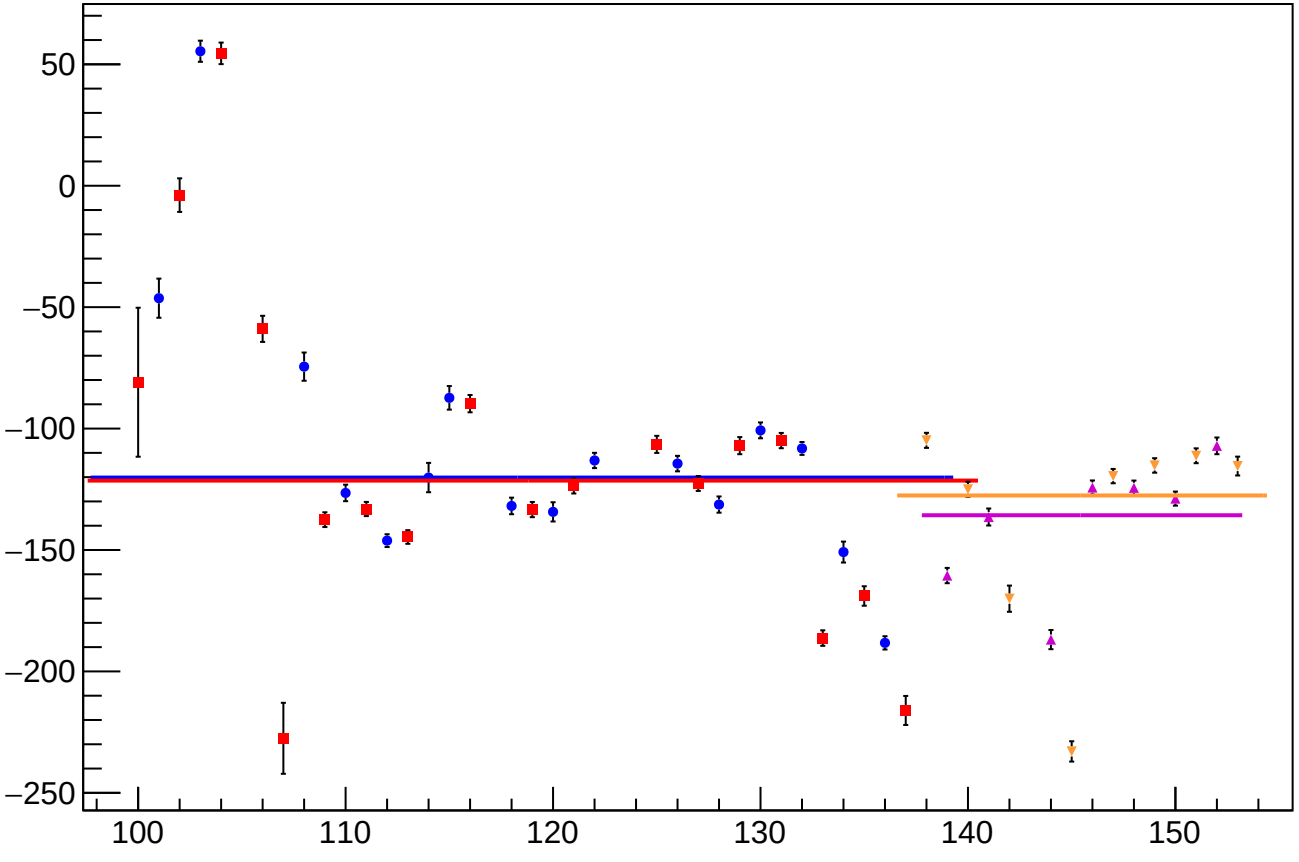
Left In: 109.802+/-0.055 χ^2/NDF:12688.5/6

+ sign 106.628+/-0.041 χ^2/NDF: 271117.6/24

All: 102.518+/-0.029 χ^2/NDF: 668736.2/50

- sign 98.421+/-0.041 χ^2/NDF: 377291.4/25

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -127.540+/-1.196 χ^2/NDF:813.0/7

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

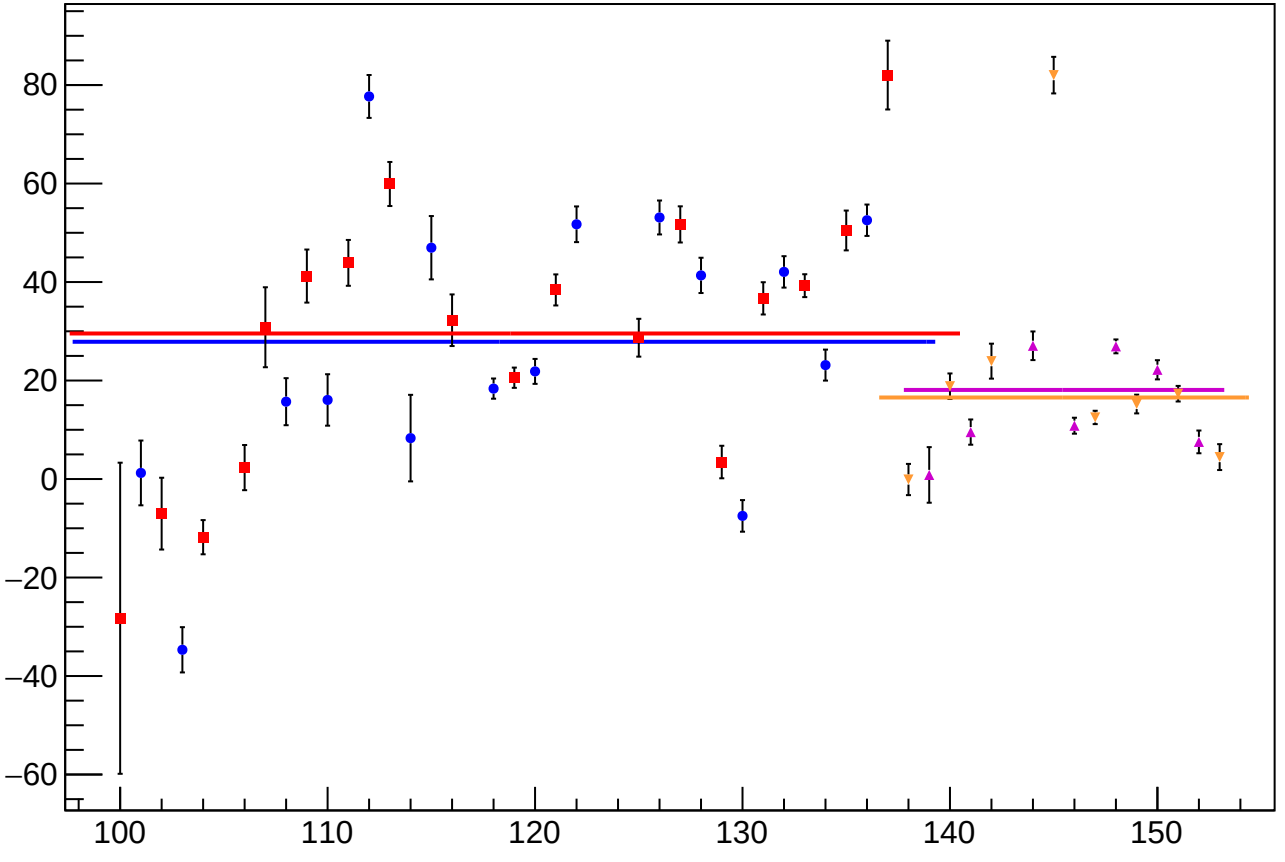
Left In: -135.688+/-1.213 χ^2/NDF:334.7/6

+ sign -122.804+/-0.714 χ^2/NDF: 3528.6/23

All: -124.566+/-0.503 χ^2/NDF: 7092.7/48

- sign -126.306+/-0.710 χ^2/NDF: 3552.0/24

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 16.557+/-0.753 χ^2/NDF:374.1/7

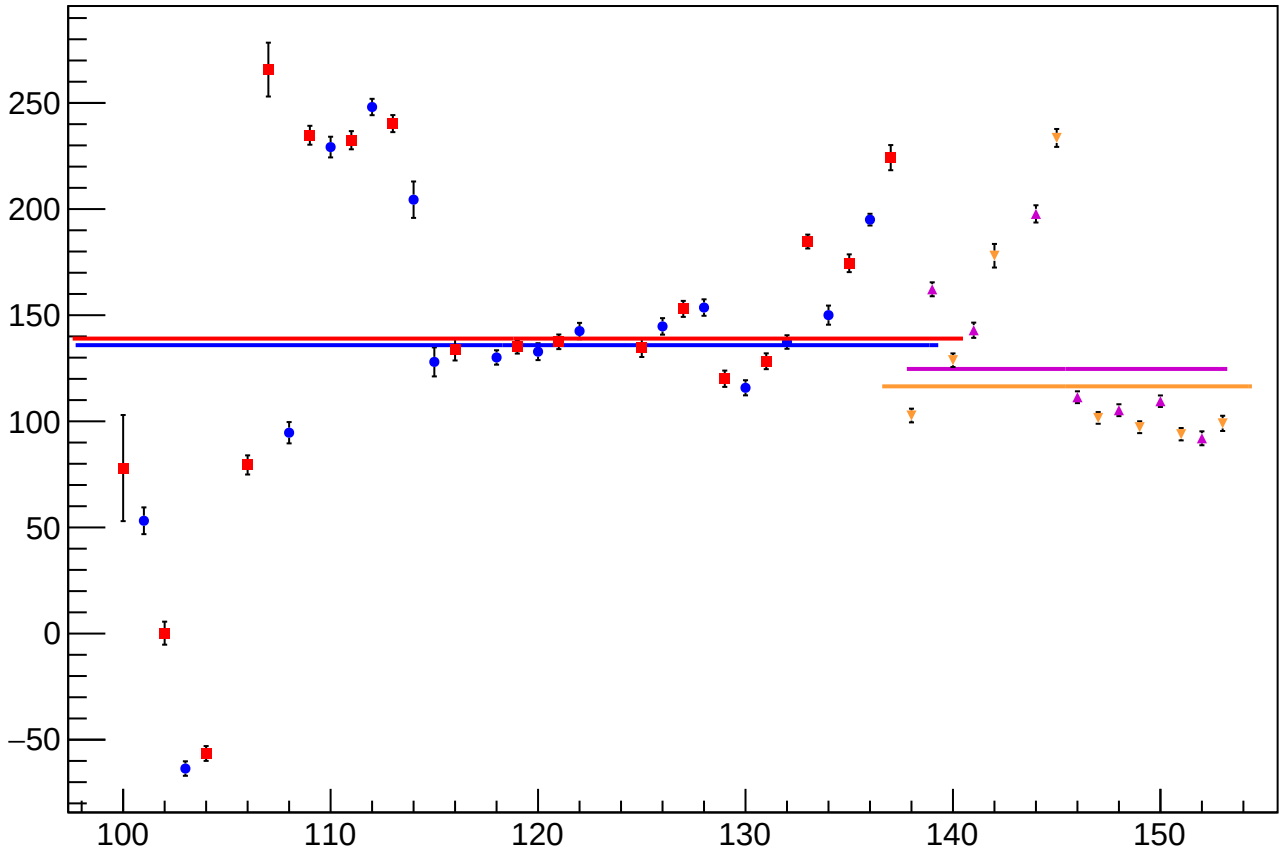
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 18.091+/-0.782 χ^2/NDF:114.8/6

+ sign 21.289+/-0.574 χ^2/NDF: 1168.2/23

All: 22.167+/-0.411 χ^2/NDF: 1878.9/48

- sign 23.083+/-0.587 χ^2/NDF: 705.9/24



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 116.474+/-1.164 χ^2/NDF:1084.8/7

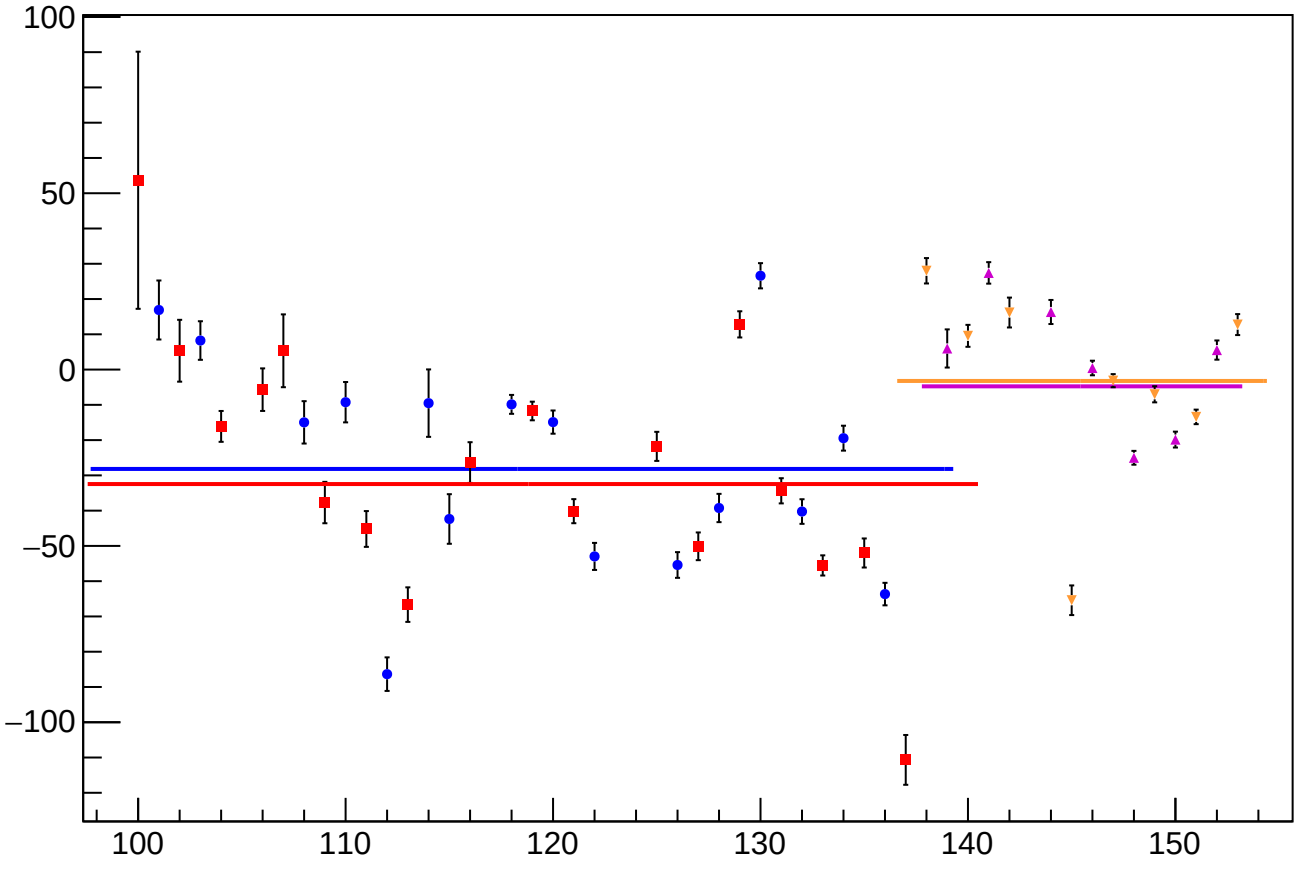
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 124.680+/-1.181 χ^2/NDF:681.0/6

\+ sign 127.657+/-0.758 χ^2/NDF: 6708.6/23

All: 130.325+/-0.538 χ^2/NDF: 13656.5/48

\- sign 133.025+/-0.762 χ^2/NDF: 6923.0/24



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -3.225+/-0.944 χ^2/NDF:388.2/7

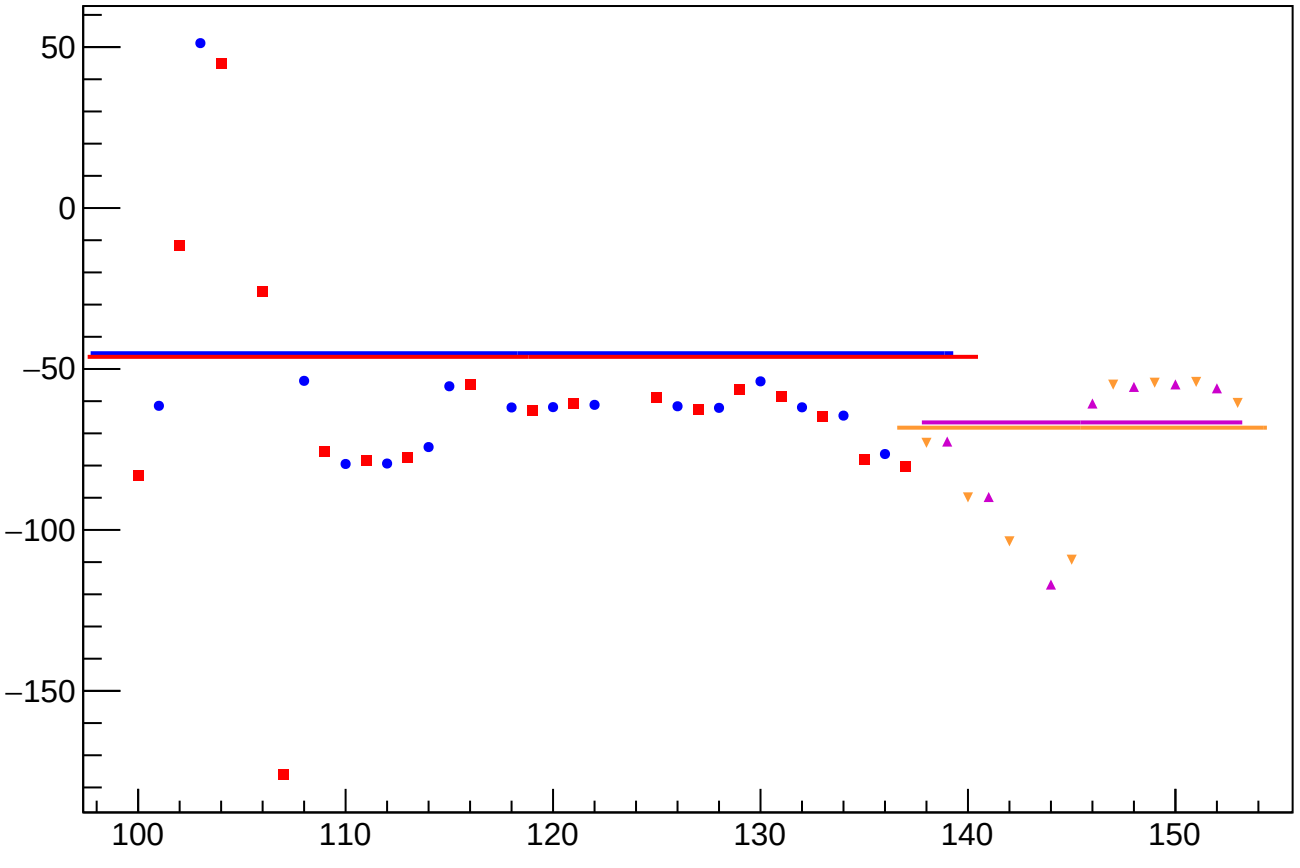
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -4.758+/-0.974 χ^2/NDF:325.8/6

+ sign -14.710+/-0.694 χ^2/NDF: 1500.9/23

All: -16.261+/-0.495 χ^2/NDF: 2800.6/48

- sign -17.872+/-0.707 χ^2/NDF: 1289.5/24



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -68.234+/-0.047 χ^2/NDF:154721.7/7

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

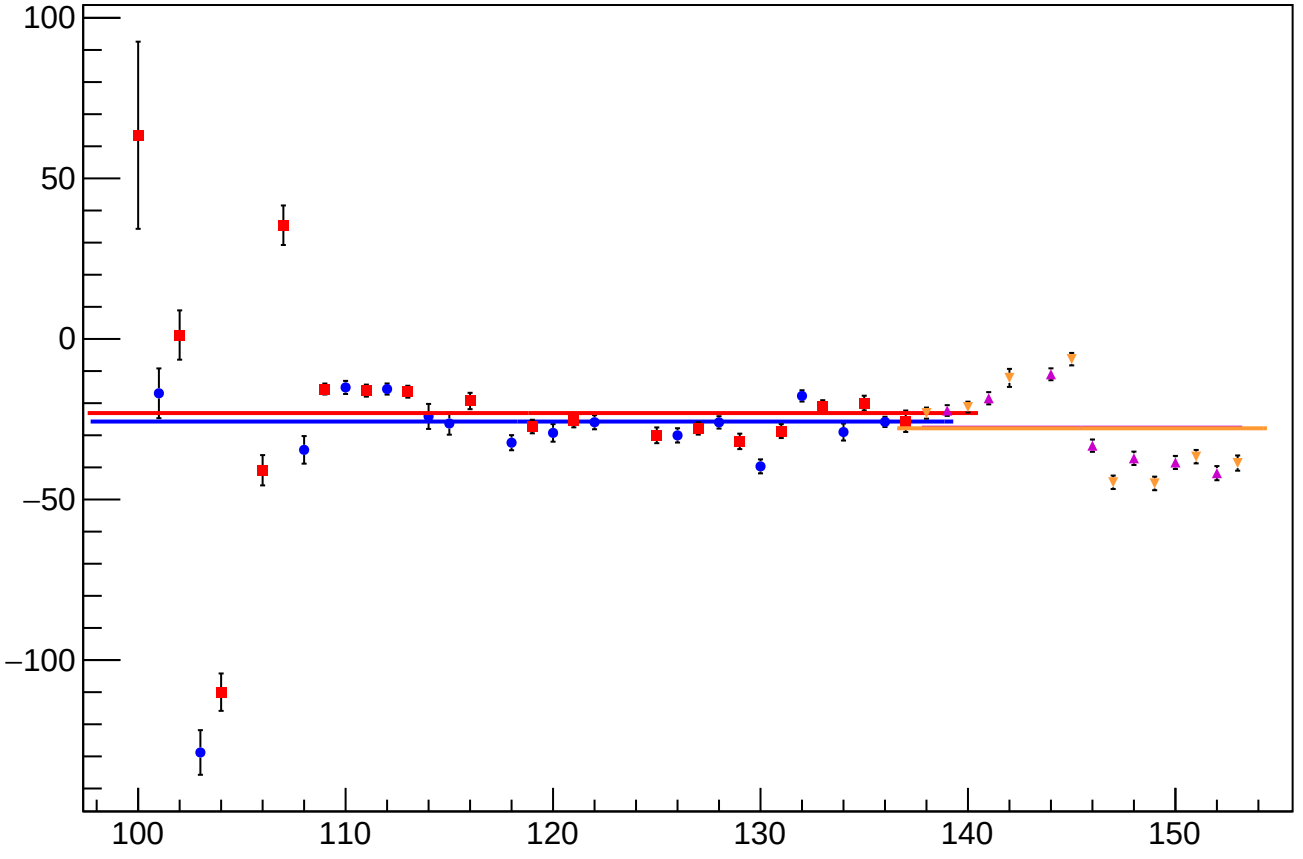
Left In: -66.600+/-0.047 χ^2/NDF:135048.2/6

+ sign -59.394+/-0.037 χ^2/NDF: 821291.3/23

All: -59.327+/-0.026 χ^2/NDF: 1517724.1/48

- sign -59.259+/-0.038 χ^2/NDF: 696426.3/24

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -27.823+/-0.718 χ^2/NDF:346.2/7

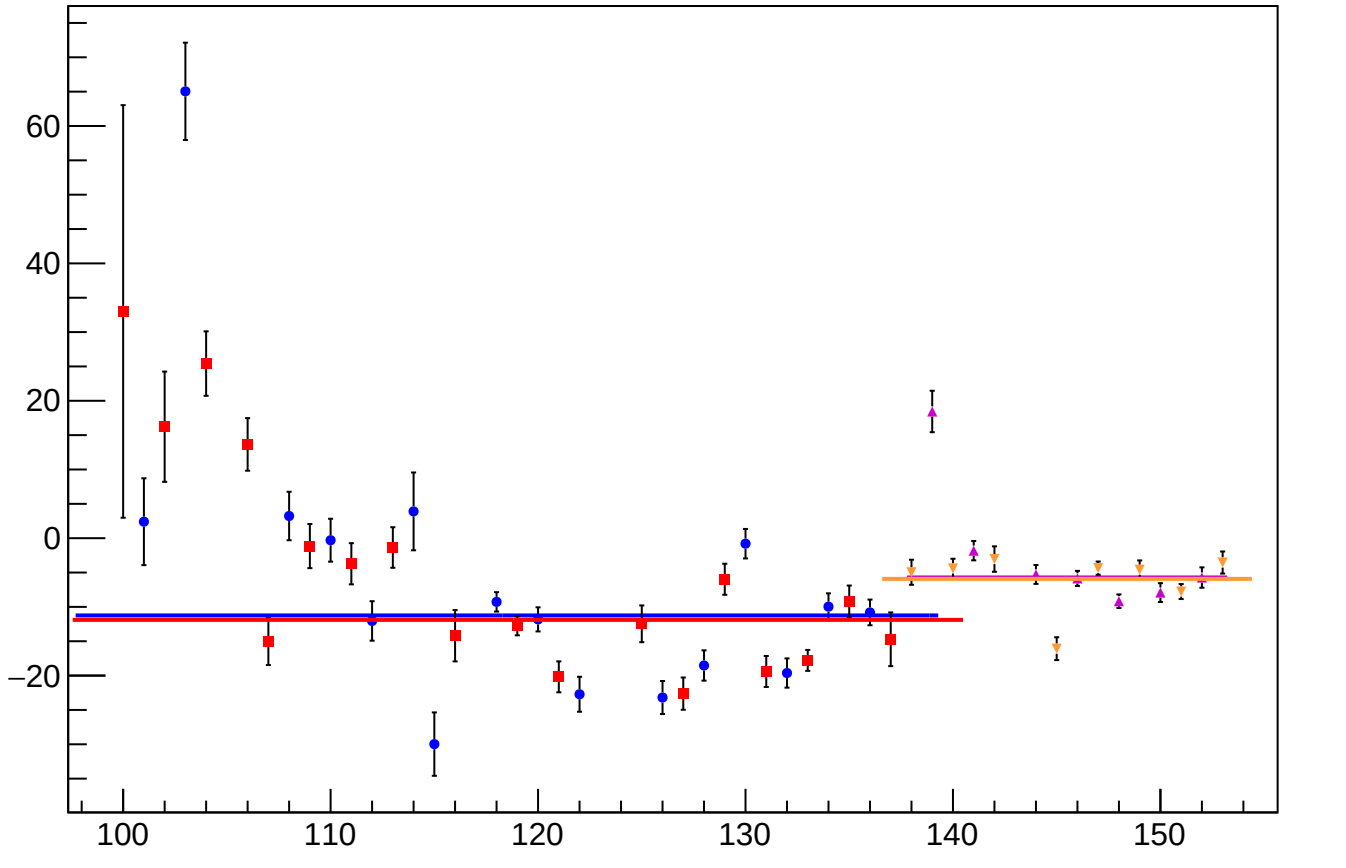
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -27.628+/-0.731 χ^2/NDF:212.5/6

+ sign -26.568+/-0.456 χ^2/NDF: 714.3/23

All: -25.704+/-0.322 χ^2/NDF: 1394.7/48

- sign -24.843+/-0.455 χ^2/NDF: 673.3/24



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -5.922+/-0.482 χ^2/NDF:49.8/7

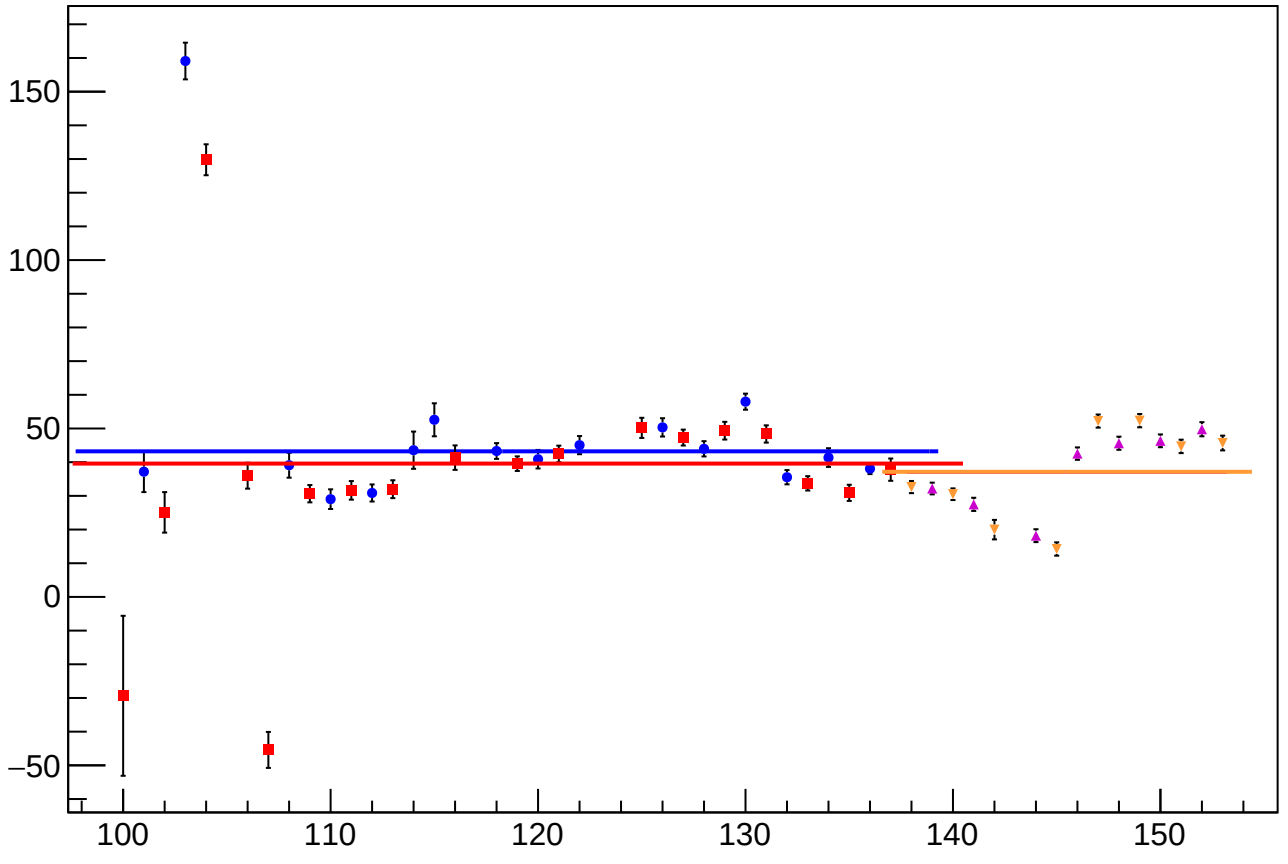
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.715+/-0.500 χ^2/NDF:86.8/6

+ sign -8.009+/-0.376 χ^2/NDF: 368.7/23

All: -8.108+/-0.269 χ^2/NDF: 741.8/48

- sign -8.212+/-0.386 χ^2/NDF: 372.9/24



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 37.147+/-0.709 χ^2/NDF:338.2/7

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

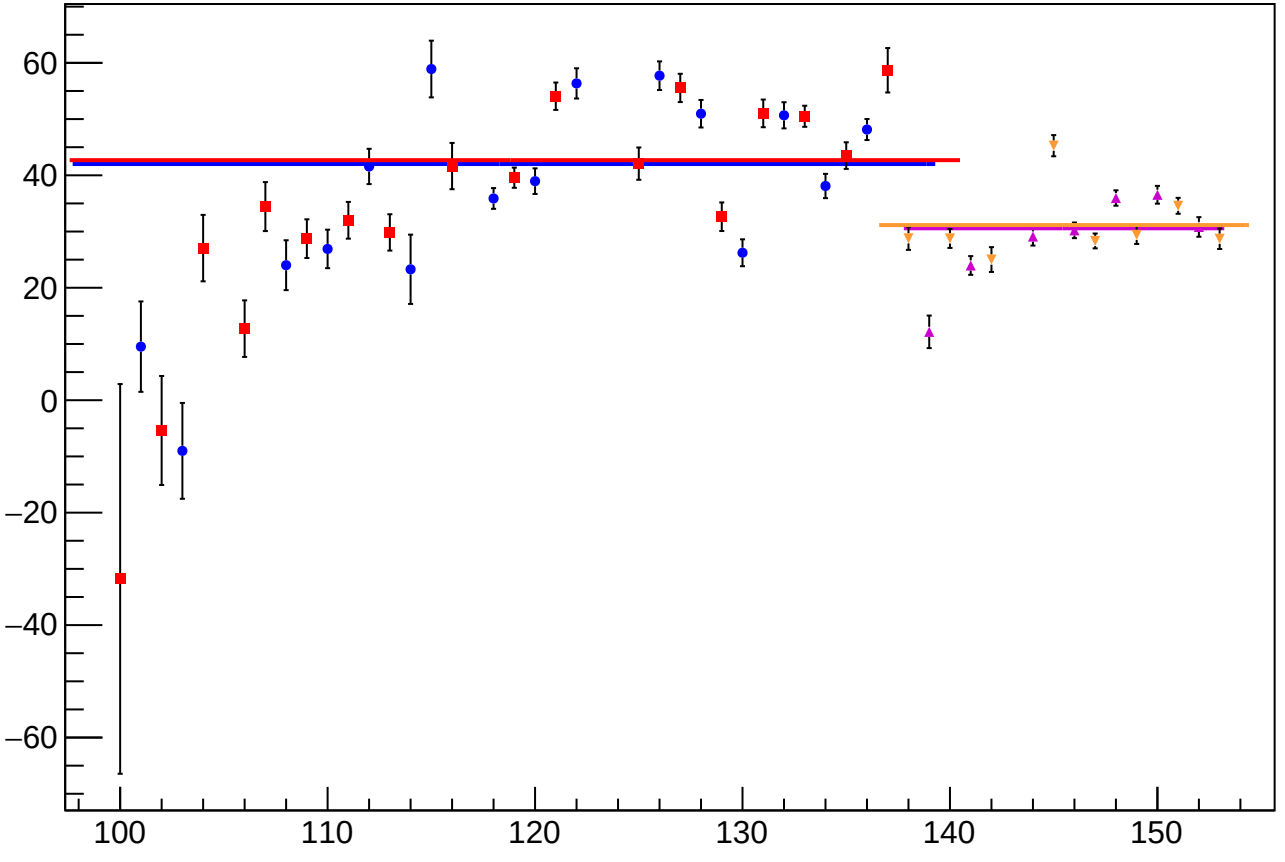
Left In: 37.088+/-0.721 χ^2/NDF:217.8/6

+ sign 40.318+/-0.490 χ^2/NDF: 952.5/23

All: 39.372+/-0.349 χ^2/NDF: 1938.2/48

- sign 38.401+/-0.496 χ^2/NDF: 978.2/24

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 31.152+/-0.595 χ^2/NDF:80.5/7

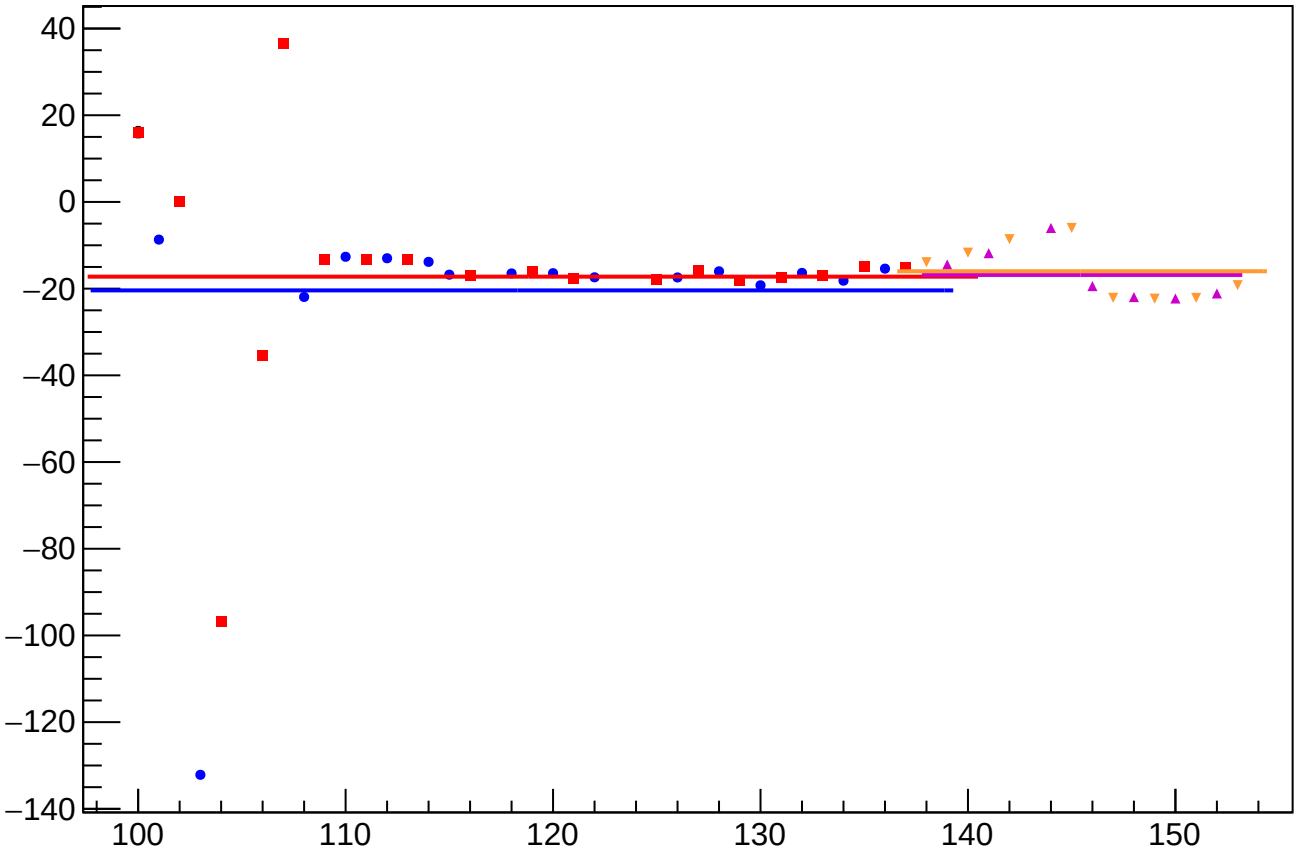
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 30.575+/-0.615 χ^2/NDF:86.8/6

+ sign 35.826+/-0.449 χ^2/NDF: 496.7/23

All: 35.860+/-0.321 χ^2/NDF: 984.6/48

- sign 35.897+/-0.460 χ^2/NDF: 487.9/24



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -15.989+/-0.029 χ^2/NDF:43137.2/7

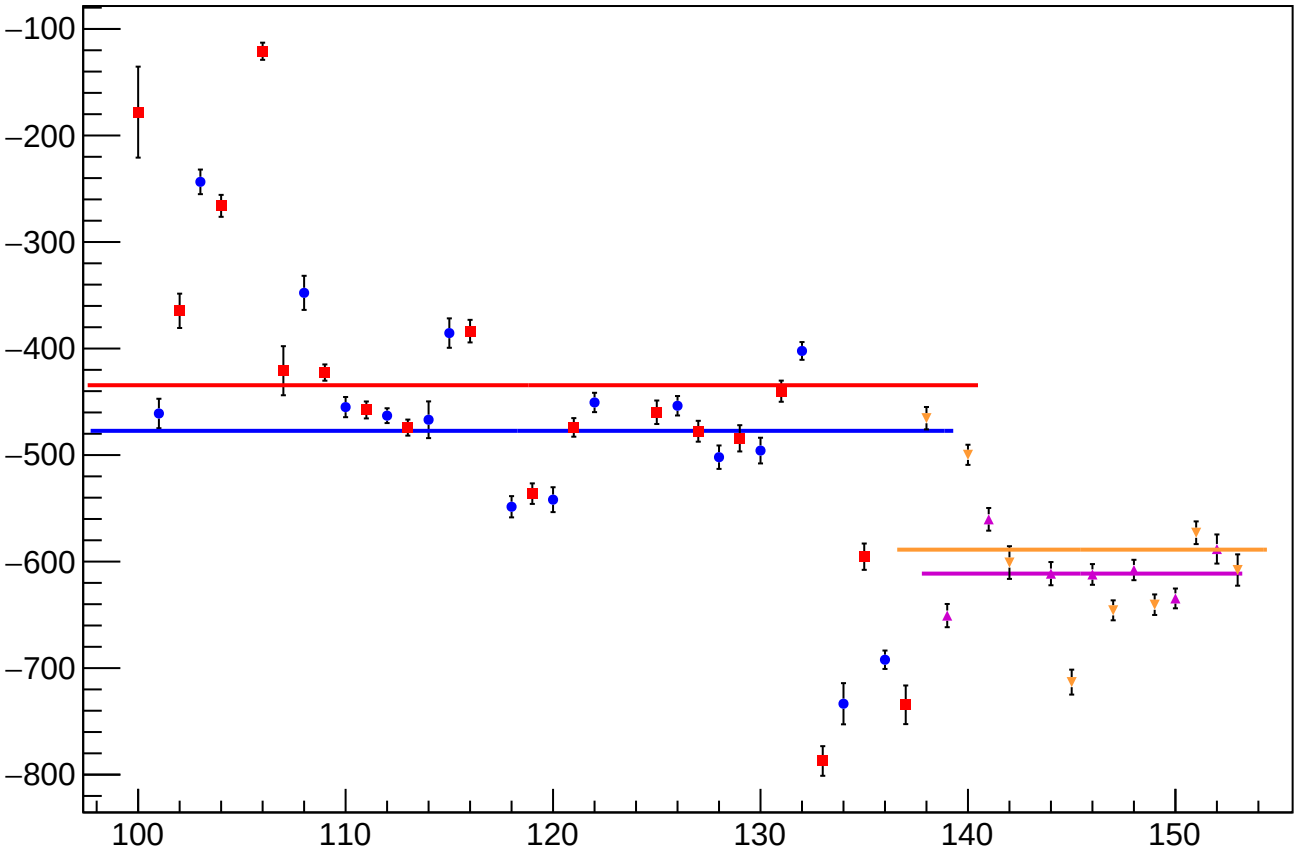
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -16.843+/-0.029 χ^2/NDF:35007.3/6

+ sign -17.393+/-0.024 χ^2/NDF: 296322.2/23

All: -17.180+/-0.017 χ^2/NDF: 536207.9/48

- sign -16.960+/-0.024 χ^2/NDF: 239720.5/24



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -588.794+/-3.854 χ^2/NDF:409.3/7

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

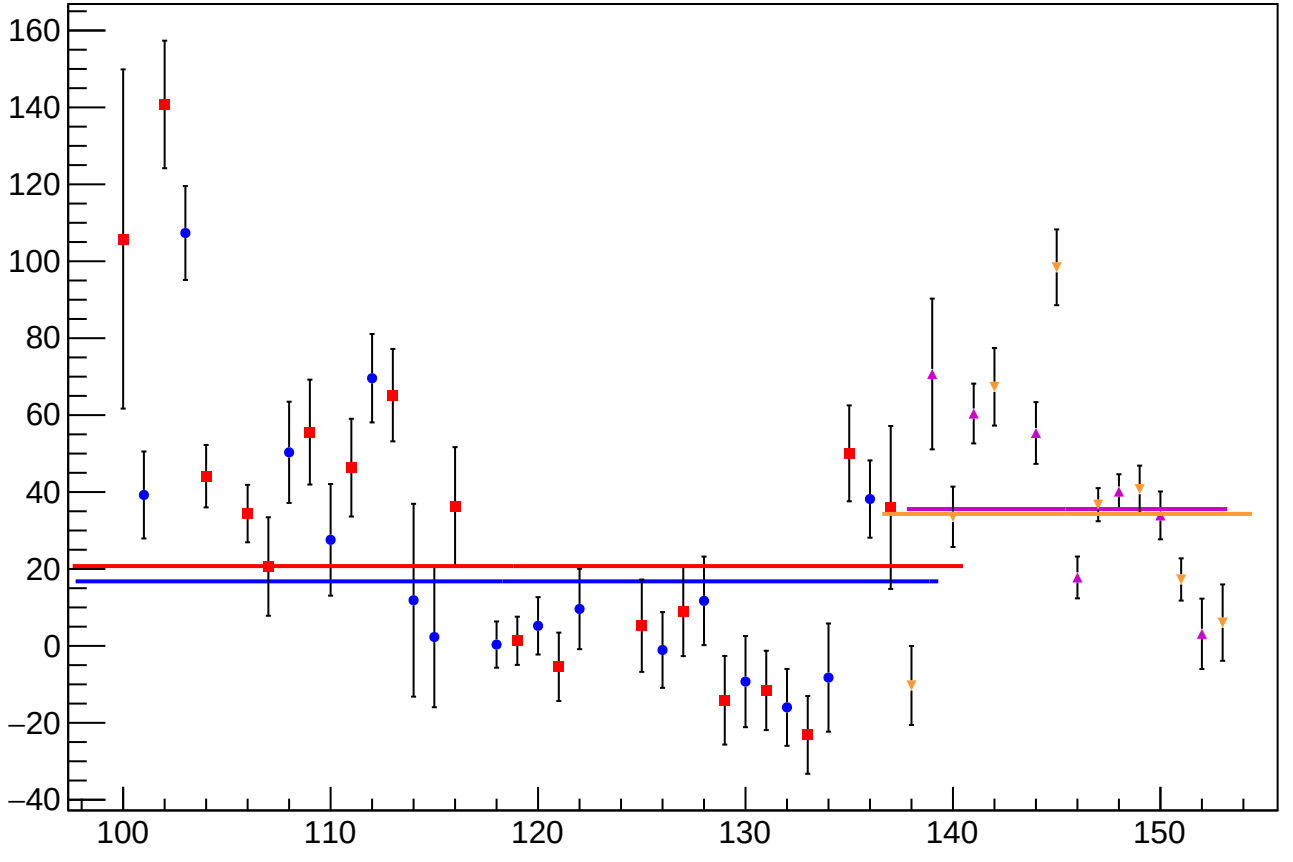
Left In: -611.281+/-3.950 χ^2/NDF:45.3/6

+ sign -512.750+/-2.174 χ^2/NDF: 2491.2/23

All: -497.796+/-1.507 χ^2/NDF: 7232.3/48

- sign -483.969+/-2.091 χ^2/NDF: 4650.1/24

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 34.319+/-2.427 χ^2/NDF:91.1/7

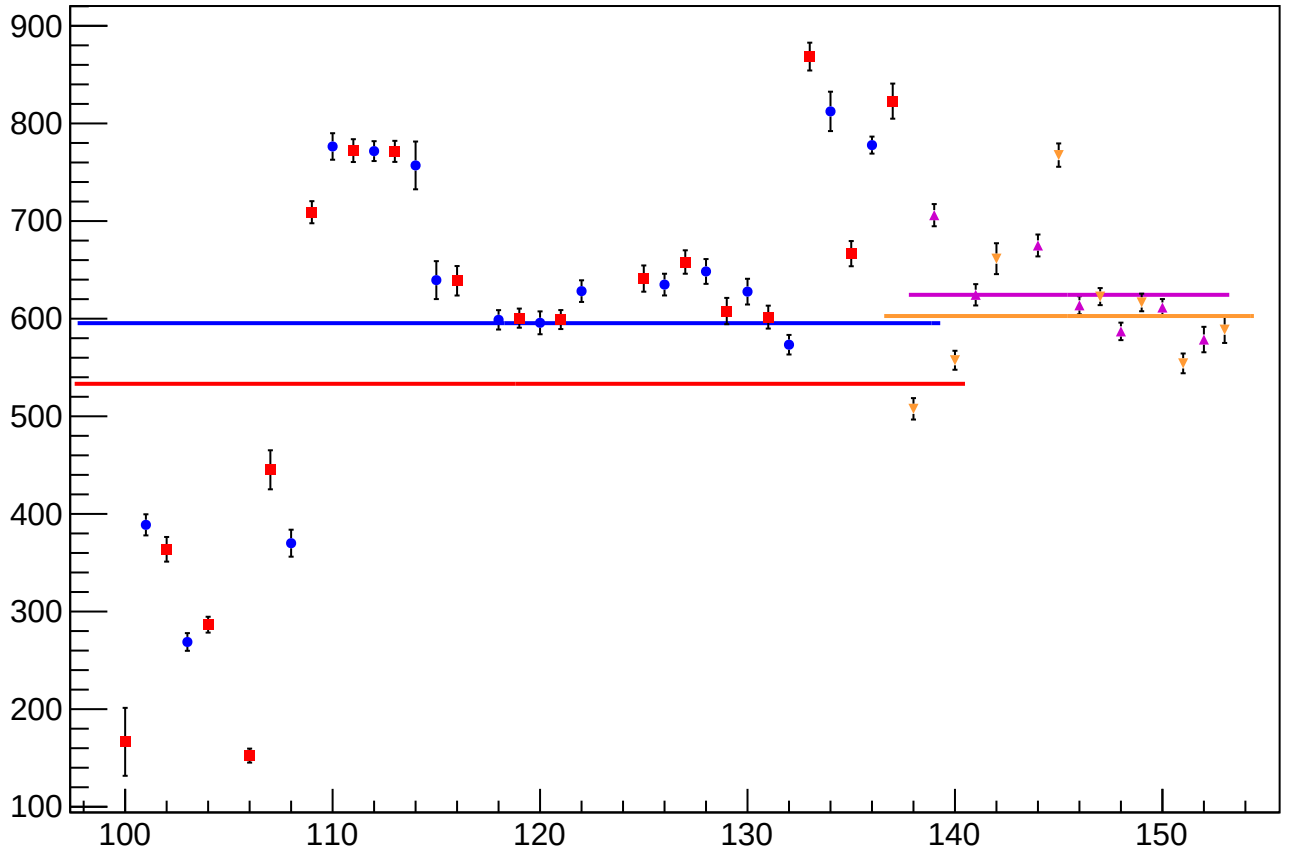
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 35.585+/-2.534 χ^2/NDF:43.9/6

+ sign 26.332+/-1.791 χ^2/NDF: 239.8/23

All: 27.267+/-1.269 χ^2/NDF: 459.2/48

- sign 28.208+/-1.797 χ^2/NDF: 218.8/24



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 602.722+/-3.768 χ^2/NDF:332.0/7

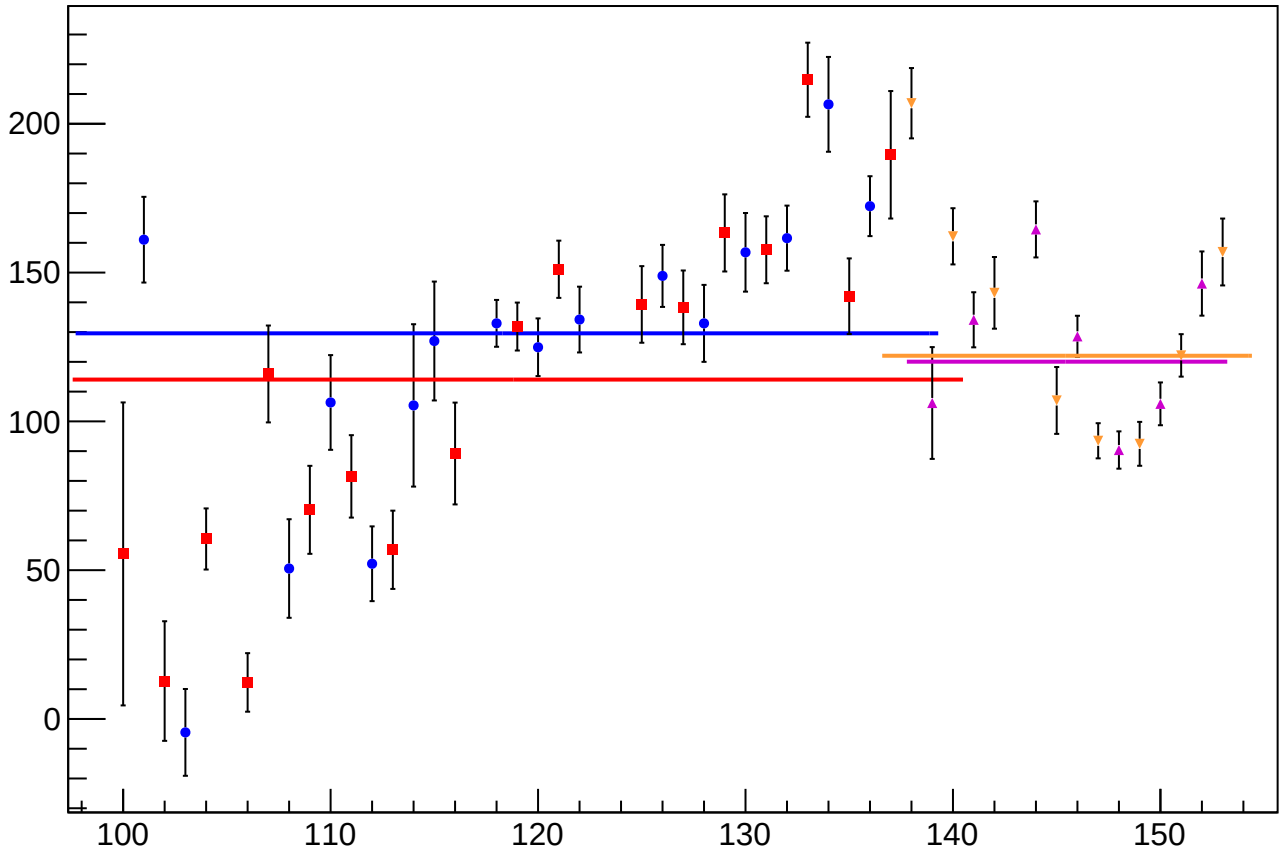
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 624.442+/-3.856 χ^2/NDF:105.3/6

+ sign 598.163+/-2.313 χ^2/NDF: 3394.1/23

All: 580.490+/-1.608 χ^2/NDF: 10486.1/48

- sign 563.960+/-2.237 χ^2/NDF: 6979.0/24



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 122.053+/-3.046 χ^2/NDF:123.6/7

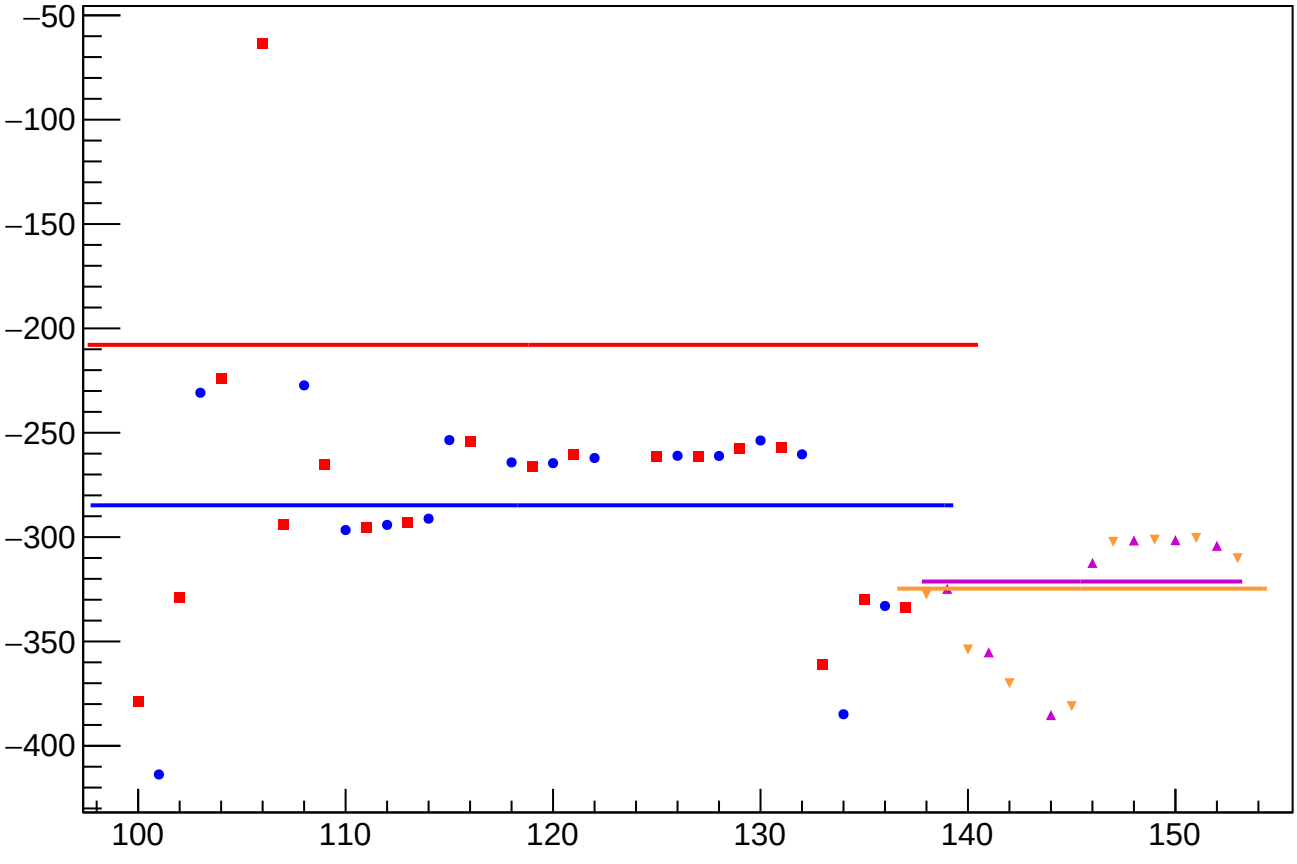
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 120.056+/-3.162 χ^2/NDF:58.9/6

+ sign 125.776+/-2.166 χ^2/NDF: 337.9/23

All: 121.326+/-1.532 χ^2/NDF: 743.1/48

- sign 116.870+/-2.167 χ^2/NDF: 396.7/24



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -324.671+/-0.155 χ^2/NDF:35281.2/7

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

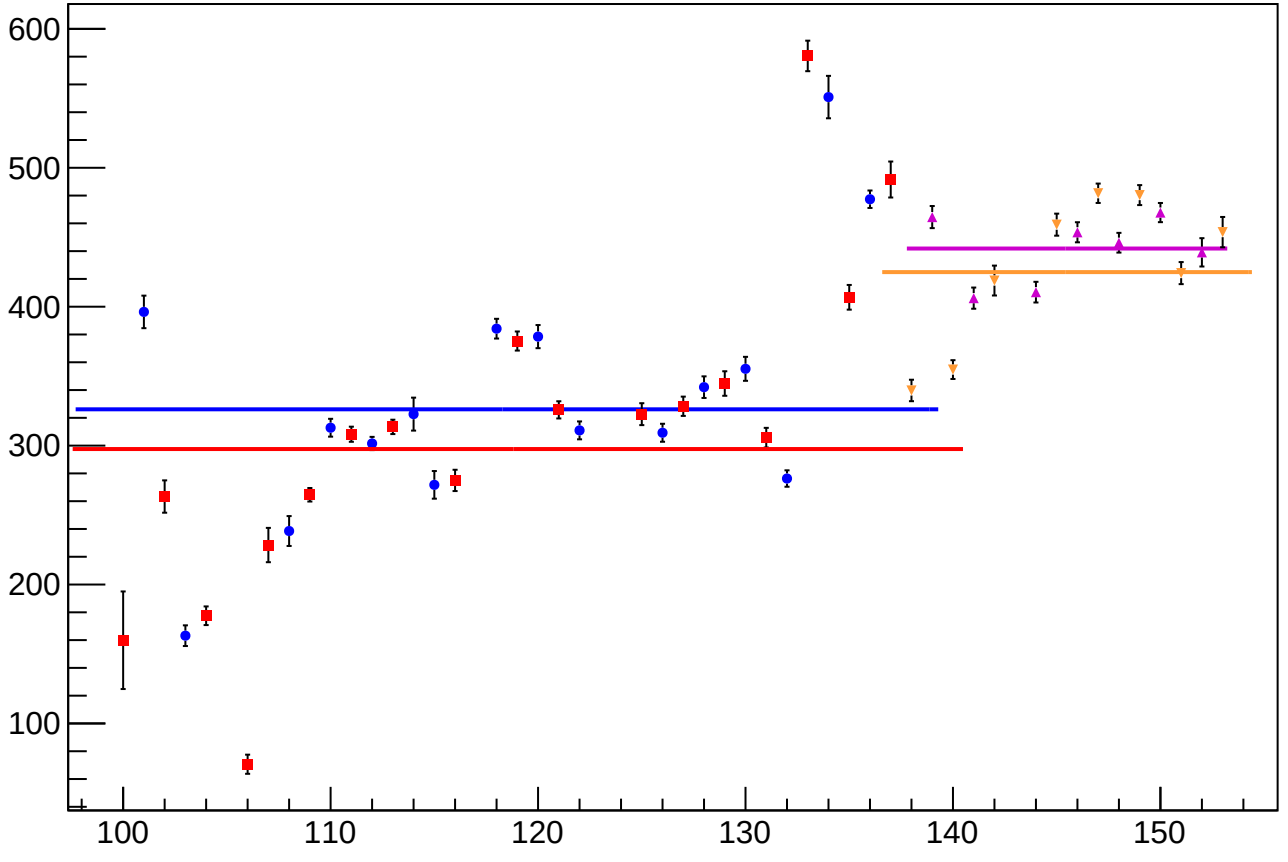
Left In: -321.272+/-0.155 χ^2/NDF:29962.9/6

+ sign -307.391+/-0.117 χ^2/NDF: 168292.5/23

All: -282.904+/-0.079 χ^2/NDF: 1094112.7/48

- sign -262.206+/-0.107 χ^2/NDF: 844770.6/24

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 424.909+/-2.803 χ^2/NDF:380.6/7

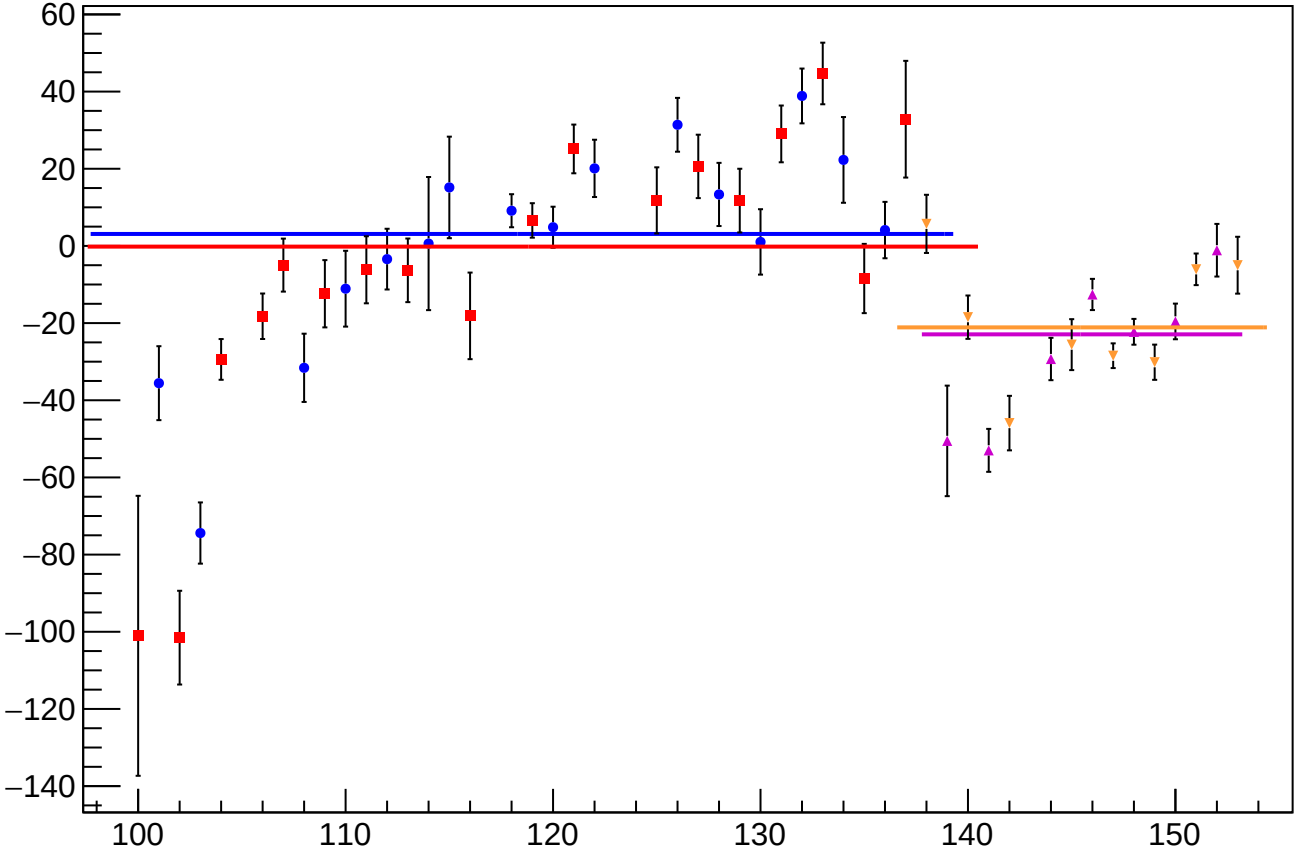
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 441.874+/-2.879 χ^2/NDF:64.9/6

+ sign 356.258+/-1.548 χ^2/NDF: 2886.6/23

All: 345.701+/-1.072 χ^2/NDF: 7660.1/48

- sign 335.974+/-1.486 χ^2/NDF: 4684.1/24



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -21.111+/-1.780 χ^2/NDF:53.1/7

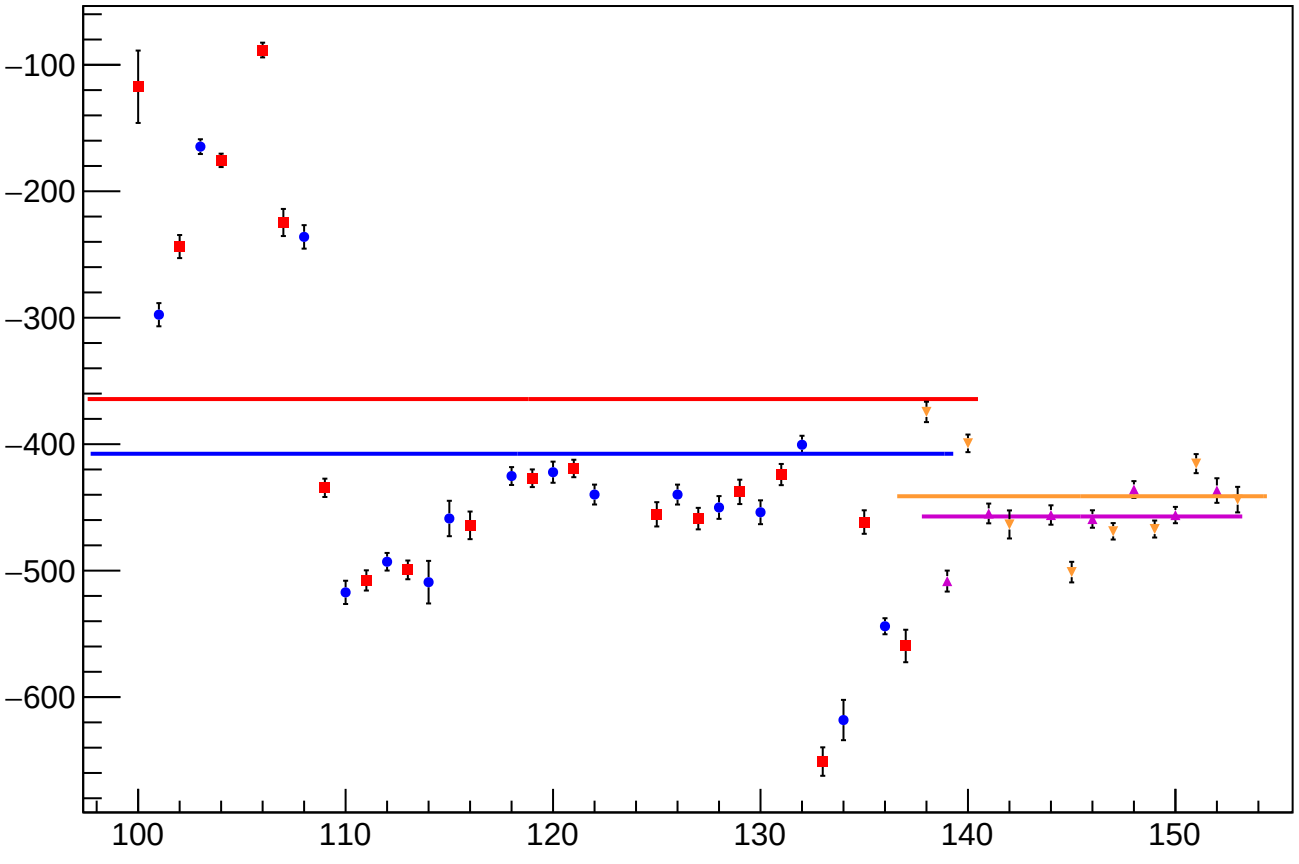
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -22.918+/-1.859 χ^2/NDF:51.6/6

\+ sign -9.746+/-1.296 χ^2/NDF: 324.5/23

All: -10.439+/-0.914 χ^2/NDF: 659.4/48

\- sign -11.125+/-1.290 χ^2/NDF: 334.3/24



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -441.175+/-2.747 χ^2/NDF:207.9/7

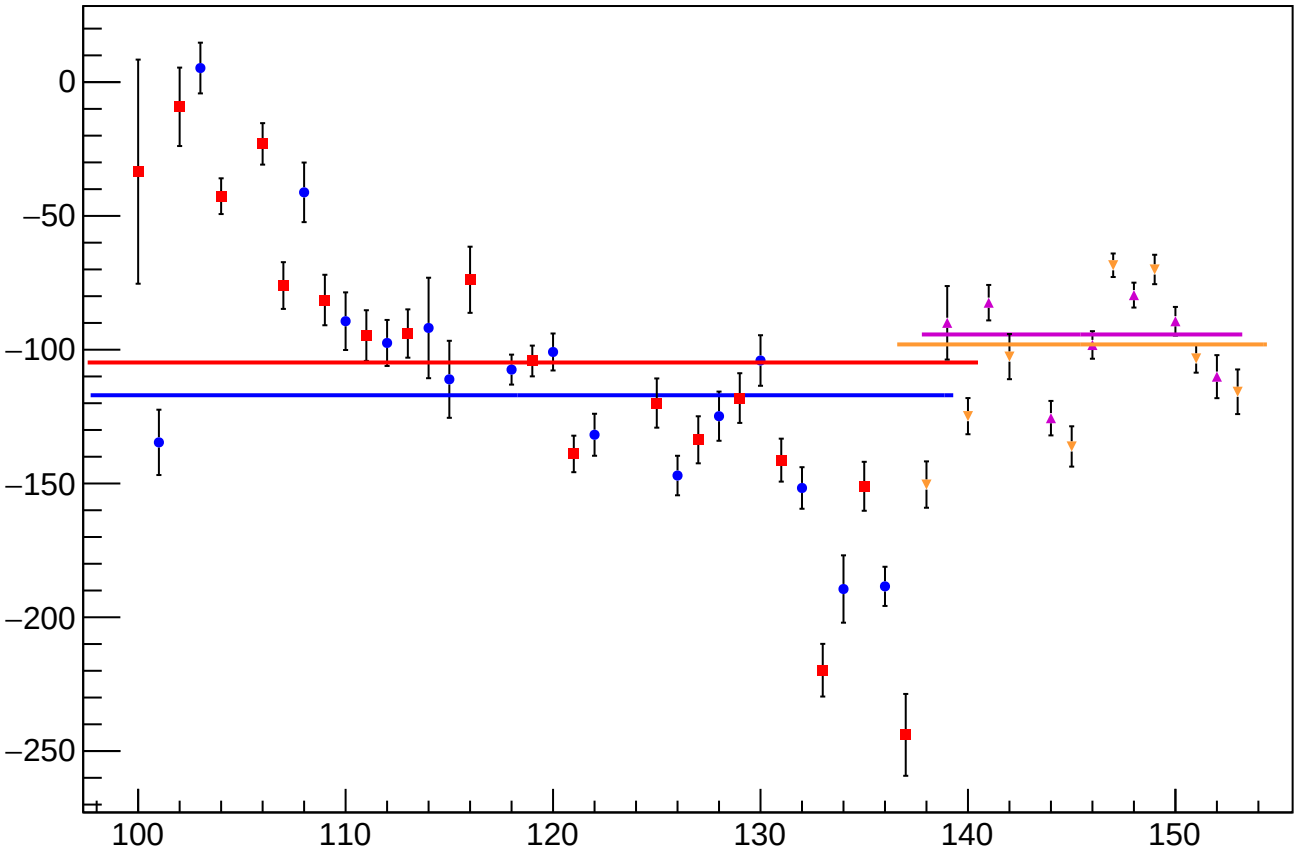
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -457.164+/-2.816 χ^2/NDF:52.9/6

+ sign -419.771+/-1.655 χ^2/NDF: 3583.7/23

All: -406.571+/-1.150 χ^2/NDF: 10716.5/48

- sign -394.253+/-1.599 χ^2/NDF: 7009.8/24



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -98.028+/-2.228 χ^2/NDF:154.9/7

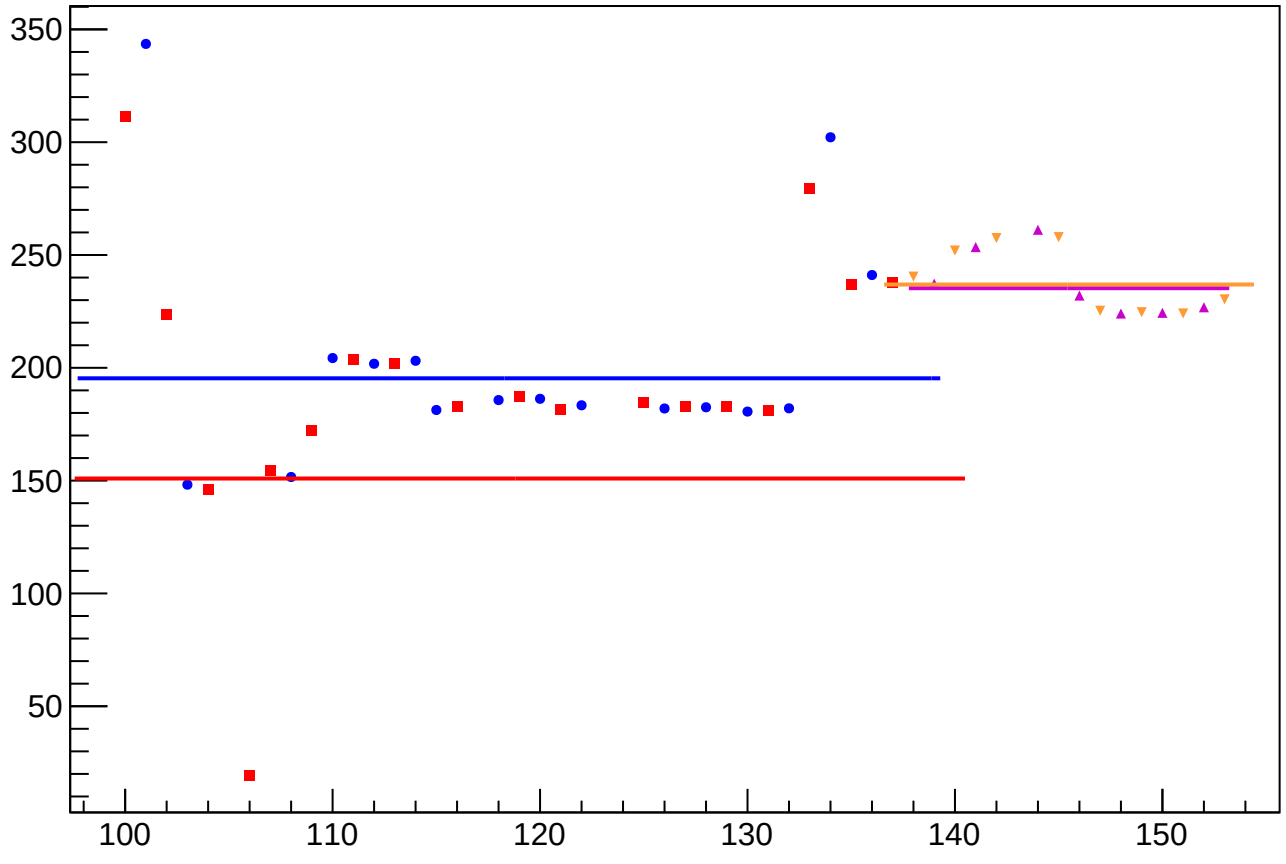
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -94.306+/-2.315 χ^2/NDF:42.2/6

+ sign -107.670+/-1.564 χ^2/NDF: 599.6/23

All: -103.844+/-1.101 χ^2/NDF: 1240.0/48

- sign -100.075+/-1.552 χ^2/NDF: 628.5/24



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 236.917+/-0.113 χ^2/NDF:14432.2/7

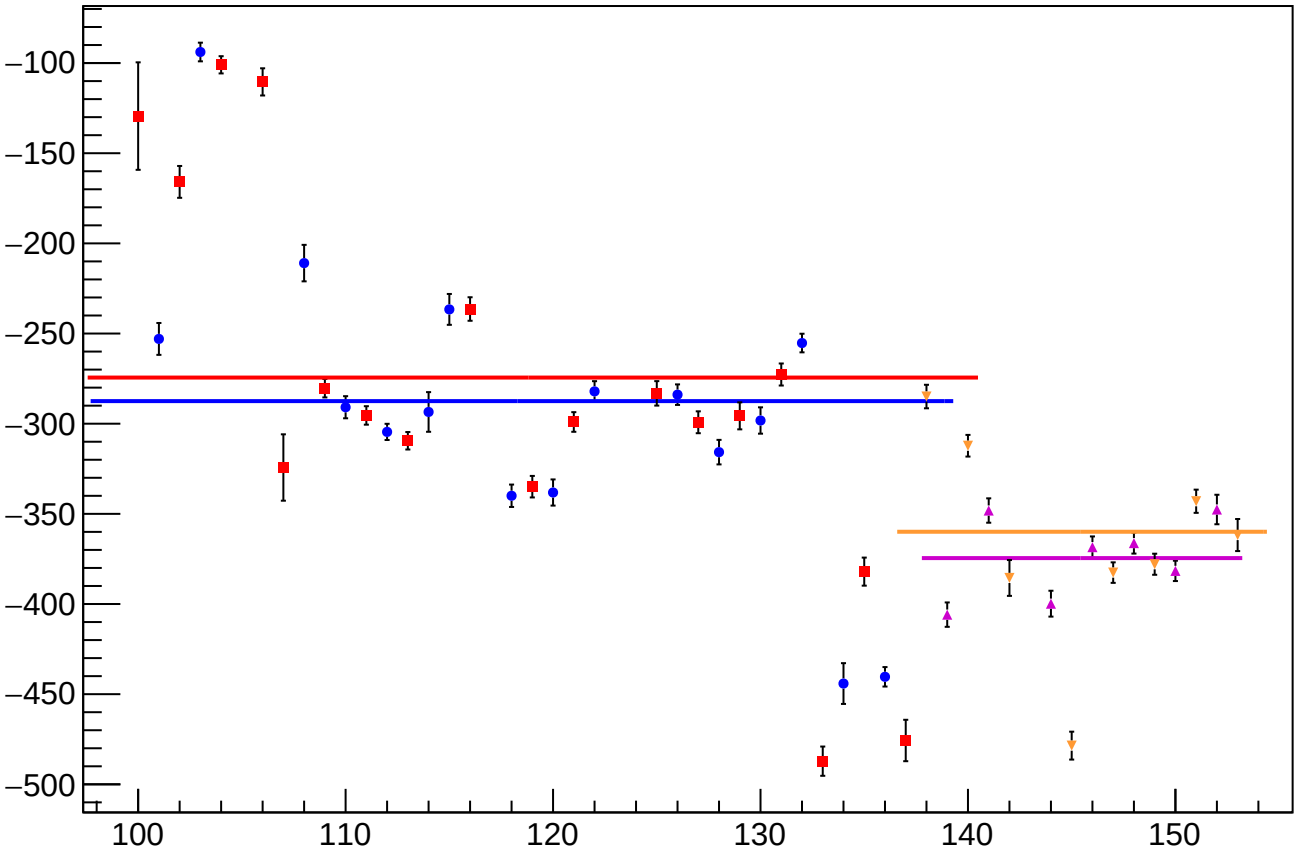
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 235.284+/-0.114 χ^2/NDF:13162.4/6

+ sign 218.135+/-0.084 χ^2/NDF: 252379.6/23

All: 204.226+/-0.058 χ^2/NDF: 1101170.5/48

- sign 191.835+/-0.079 χ^2/NDF: 796665.8/24



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -359.924+/-2.390 χ^2/NDF:469.2/7

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

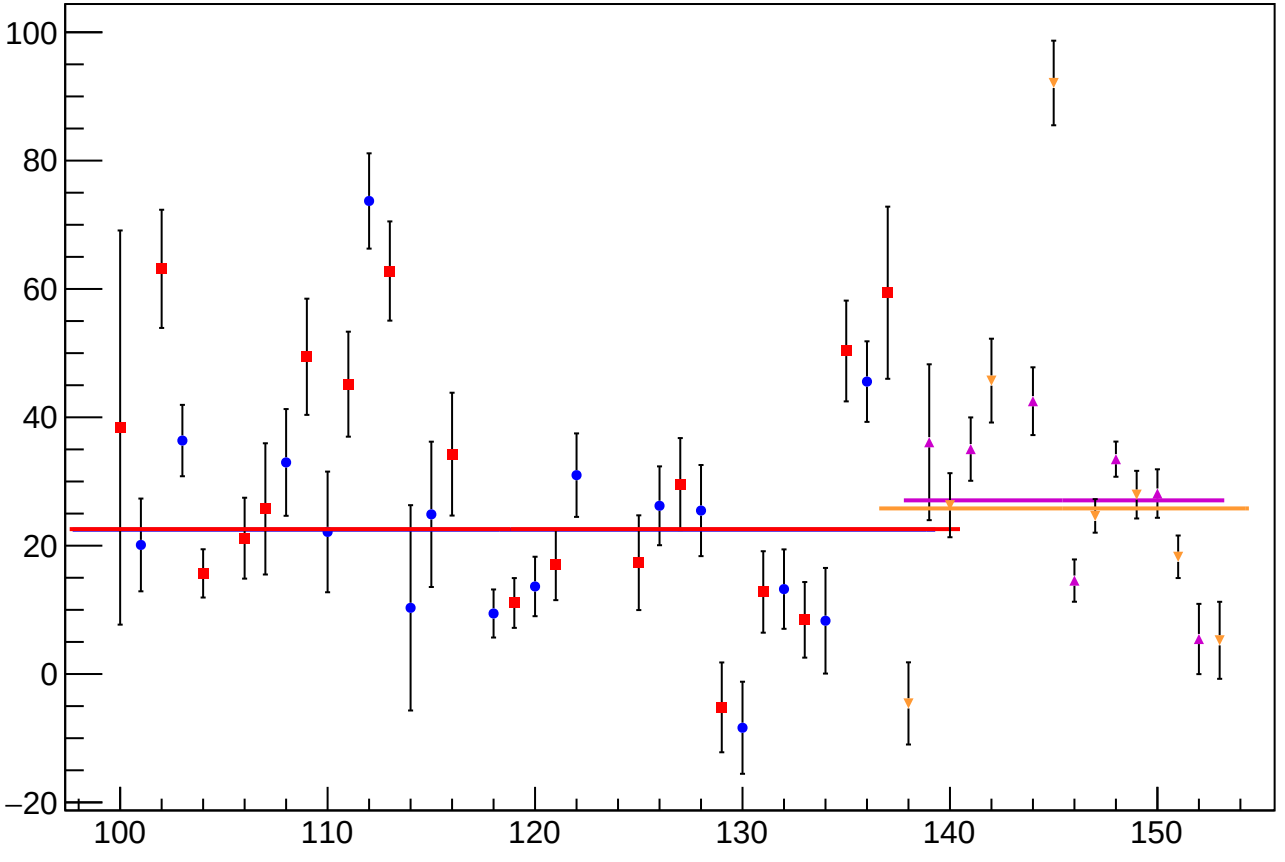
Left In: -374.535+/-2.443 χ^2/NDF:64.7/6

+ sign -310.111+/-1.336 χ^2/NDF: 3797.4/23

All: -306.577+/-0.935 χ^2/NDF: 8485.8/48

- sign -303.182+/-1.310 χ^2/NDF: 4674.7/24

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 25.803+/-1.493 χ^2/NDF:150.4/7

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

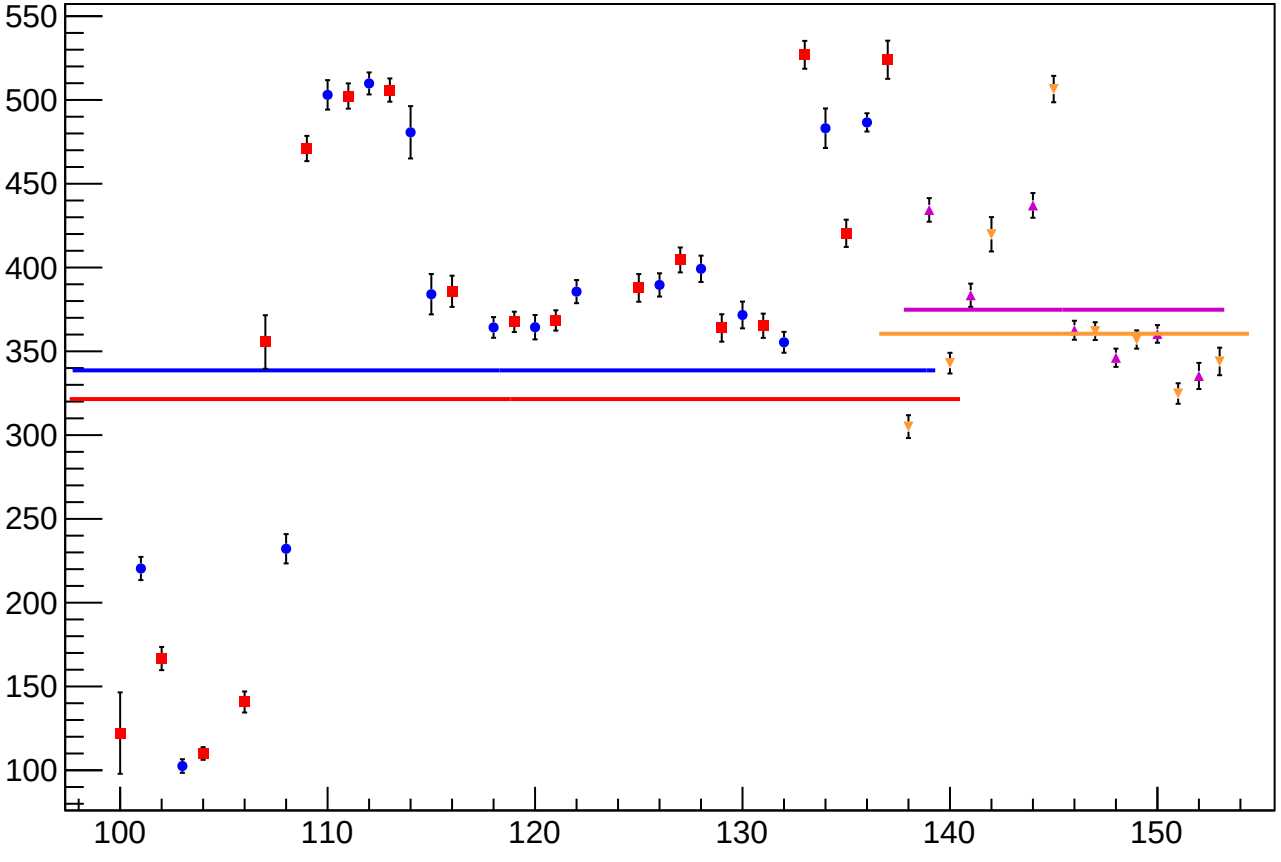
Left In: 27.060+/-1.557 χ^2/NDF:47.3/6

+ sign 24.284+/-1.098 χ^2/NDF: 264.1/23

All: 24.559+/-0.779 χ^2/NDF: 438.9/48

- sign 24.838+/-1.106 χ^2/NDF: 174.7/24

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 360.497+/-2.331 χ^2/NDF:490.1/7

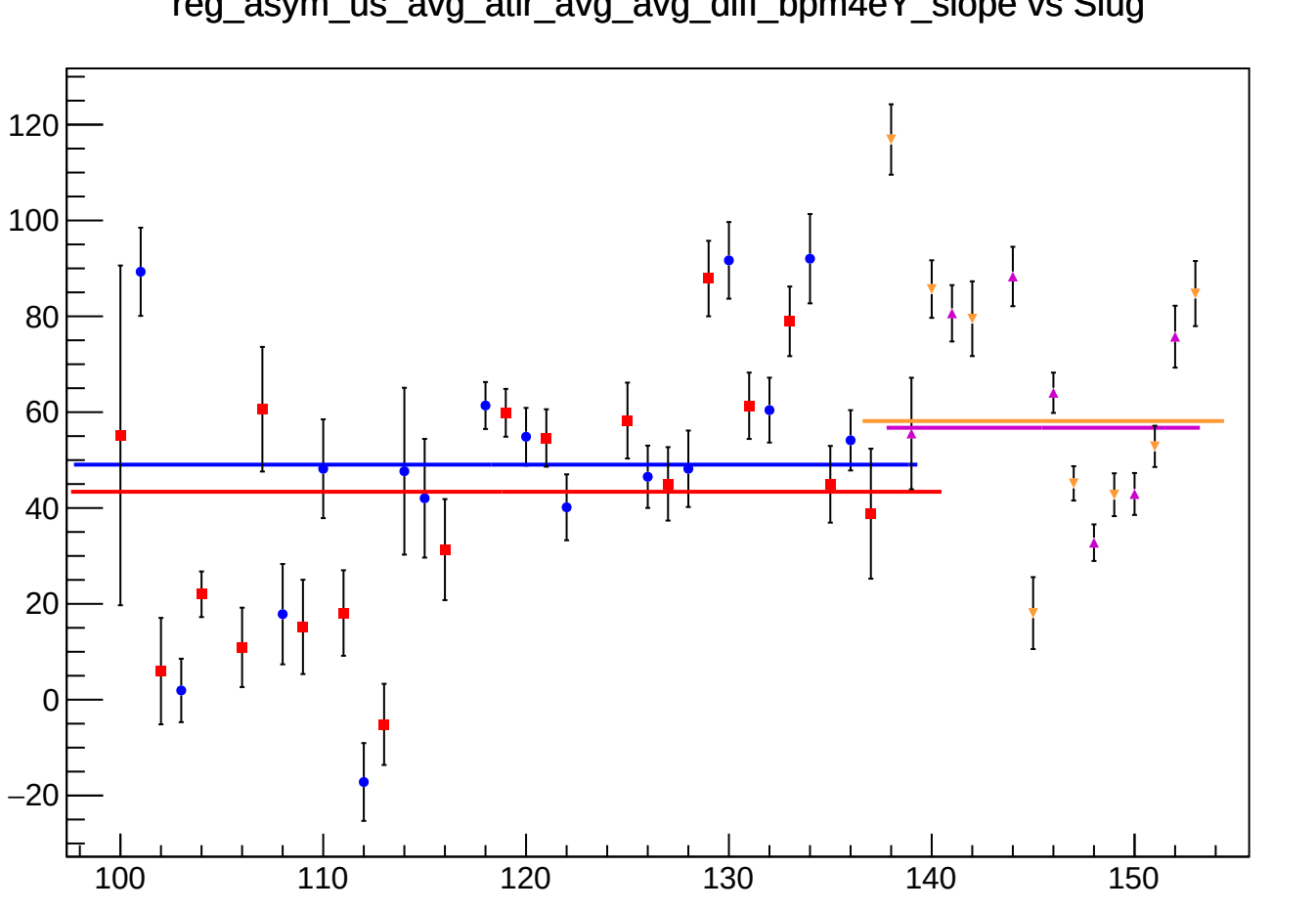
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 374.831+/-2.380 χ^2/NDF:209.4/6

+ sign 346.505+/-1.399 χ^2/NDF: 6589.1/23

All: 342.922+/-0.982 χ^2/NDF: 14865.4/48

- sign 339.433+/-1.380 χ^2/NDF: 8263.4/24



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 58.151+/-1.877 χ^2/NDF:162.8/7

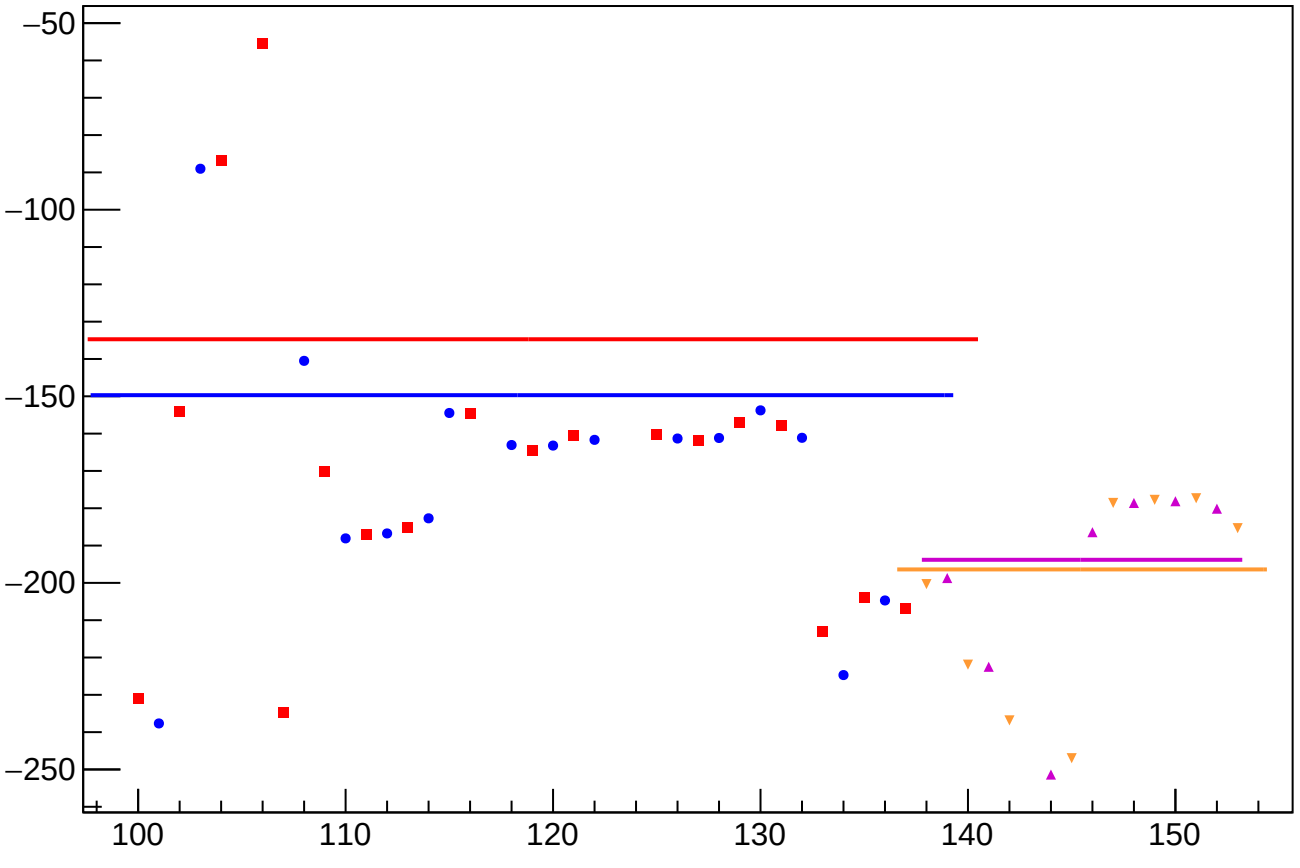
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 56.749+/-1.946 χ^2/NDF:103.6/6

+ sign 53.616+/-1.329 χ^2/NDF: 382.4/23

All: 51.653+/-0.942 χ^2/NDF: 695.4/48

- sign 49.673+/-1.335 χ^2/NDF: 308.6/24



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -196.395+/-0.096 χ^2/NDF:64308.7/7

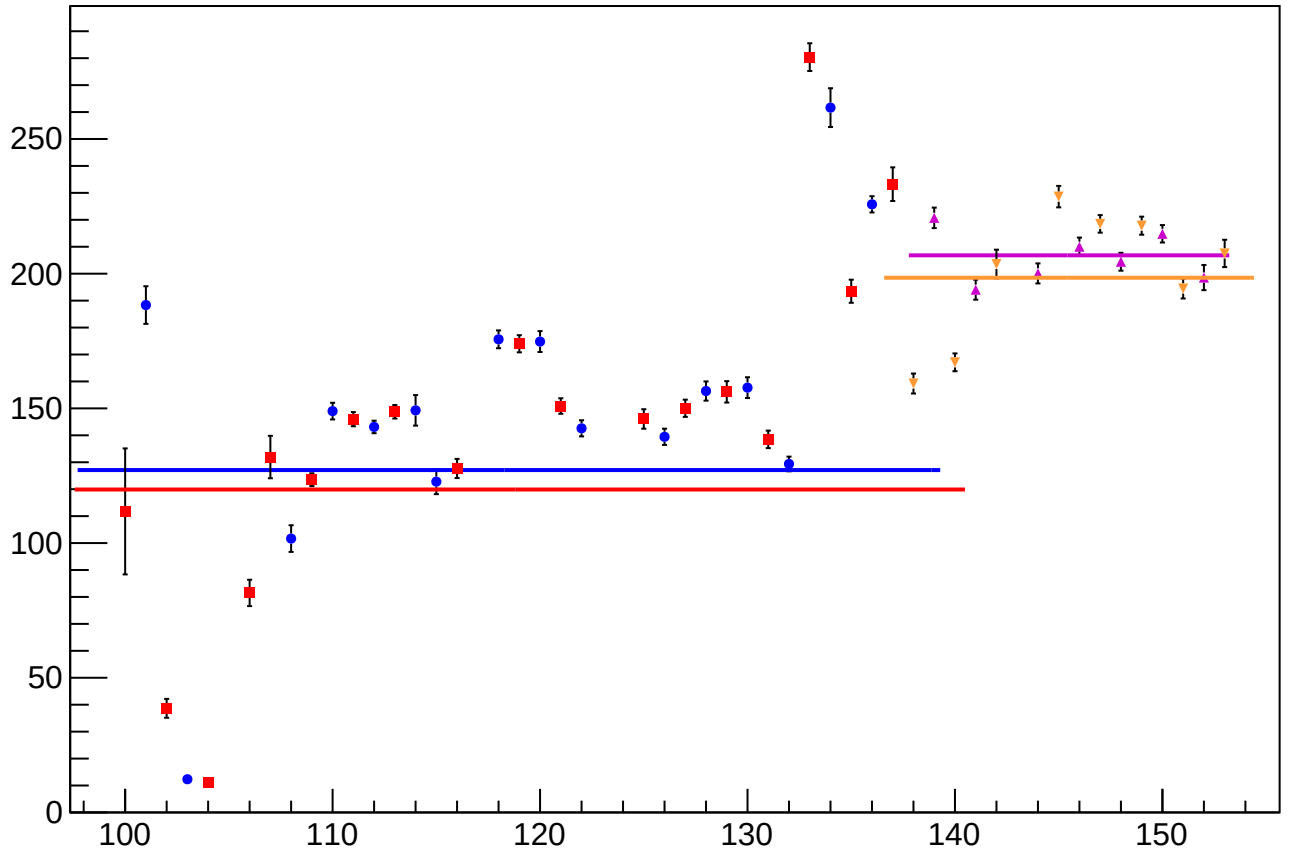
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -193.814+/-0.096 χ^2/NDF:54161.2/6

\+ sign -174.217+/-0.069 χ^2/NDF: 433419.6/23

All: -169.355+/-0.049 χ^2/NDF: 998079.2/48

\- sign -164.684+/-0.068 χ^2/NDF: 555059.0/24



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 198.497+/-1.338 χ^2/NDF:335.9/7

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

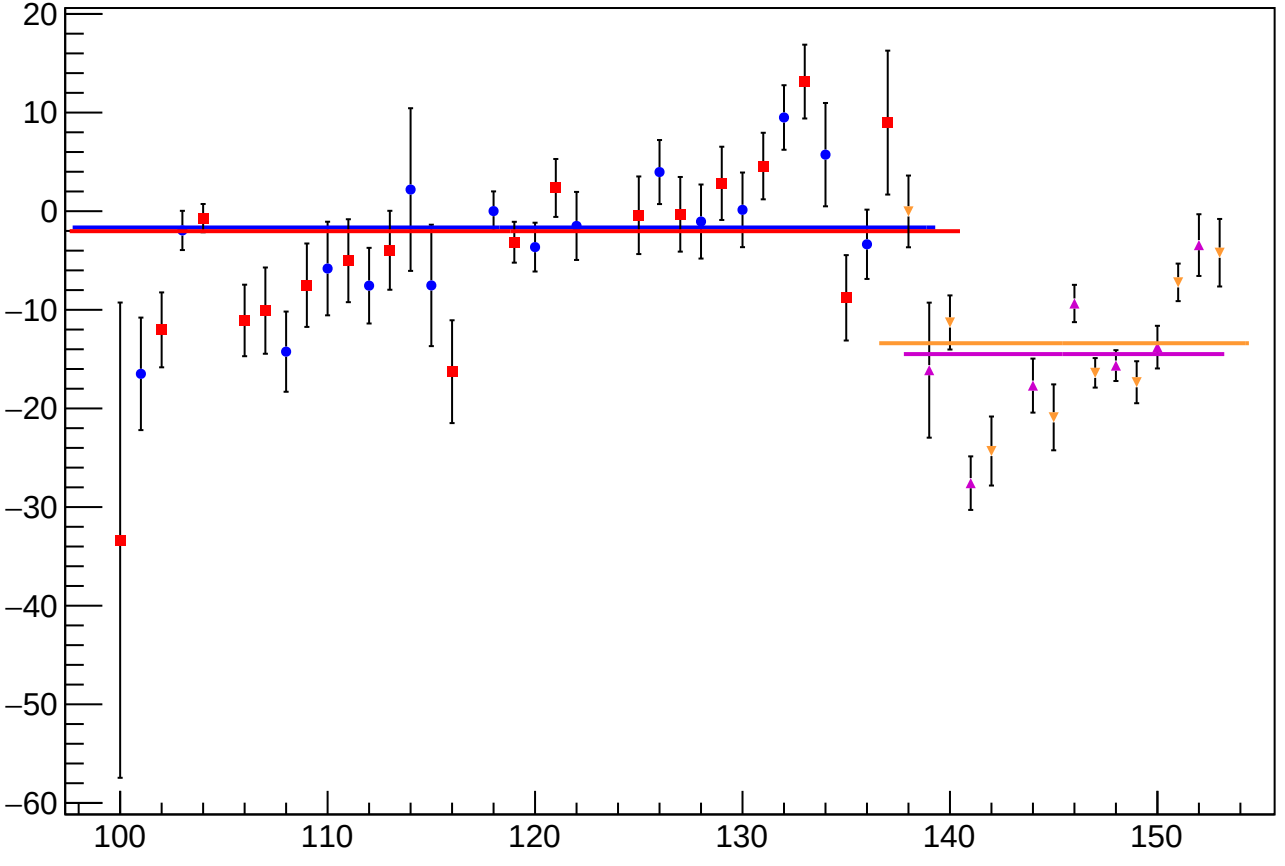
Left In: 206.815+/-1.370 χ^2/NDF:39.1/6

+ sign 146.271+/-0.693 χ^2/NDF: 8581.1/23

All: 143.525+/-0.483 χ^2/NDF: 18352.2/48

- sign 140.930+/-0.674 χ^2/NDF: 9740.6/24

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -13.387+/-0.843 χ^2/NDF:54.1/7

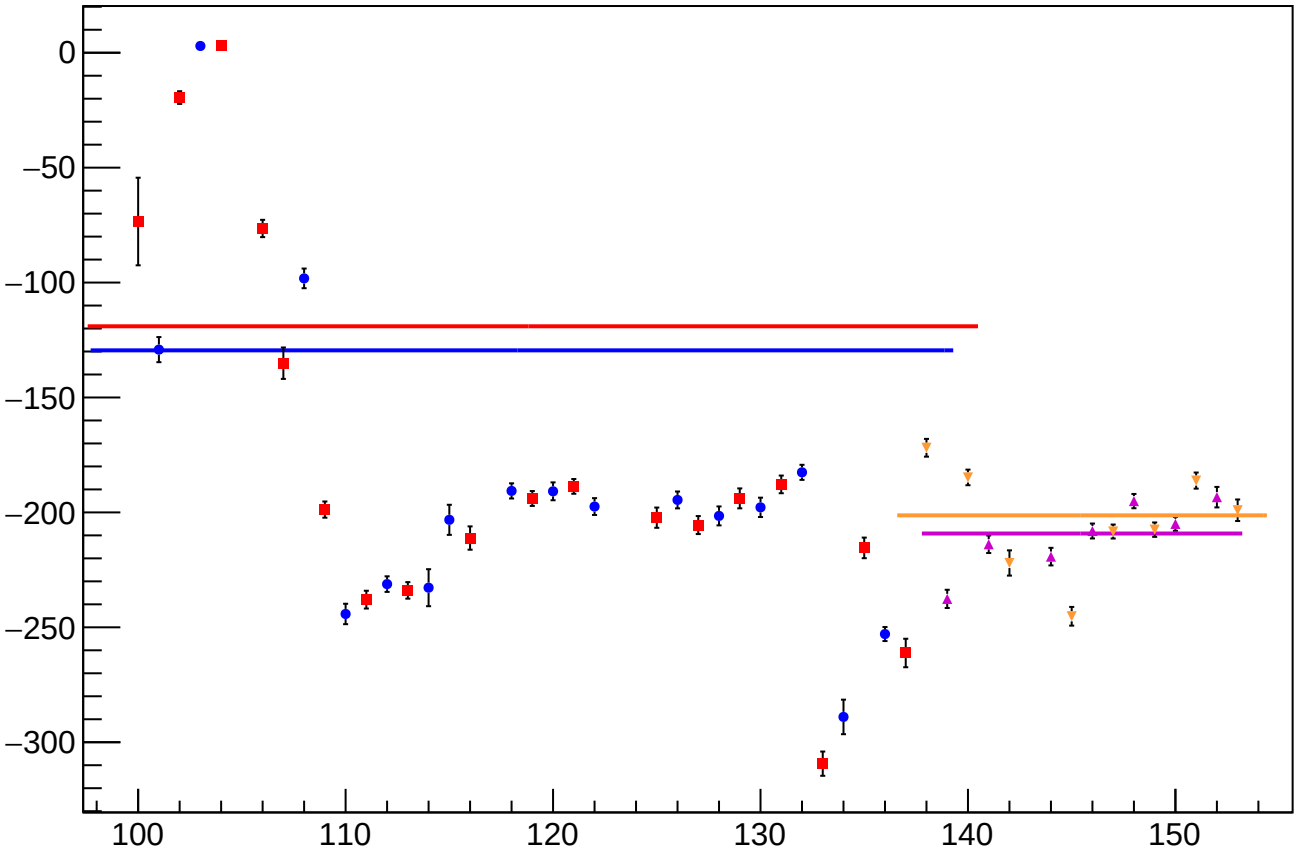
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -14.488+/-0.879 χ^2/NDF:45.1/6

+ sign -7.449+/-0.592 χ^2/NDF: 191.3/23

All: -7.444+/-0.414 χ^2/NDF: 408.7/48

- sign -7.439+/-0.579 χ^2/NDF: 217.4/24



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.284+/-1.308 χ^2/NDF:240.1/7

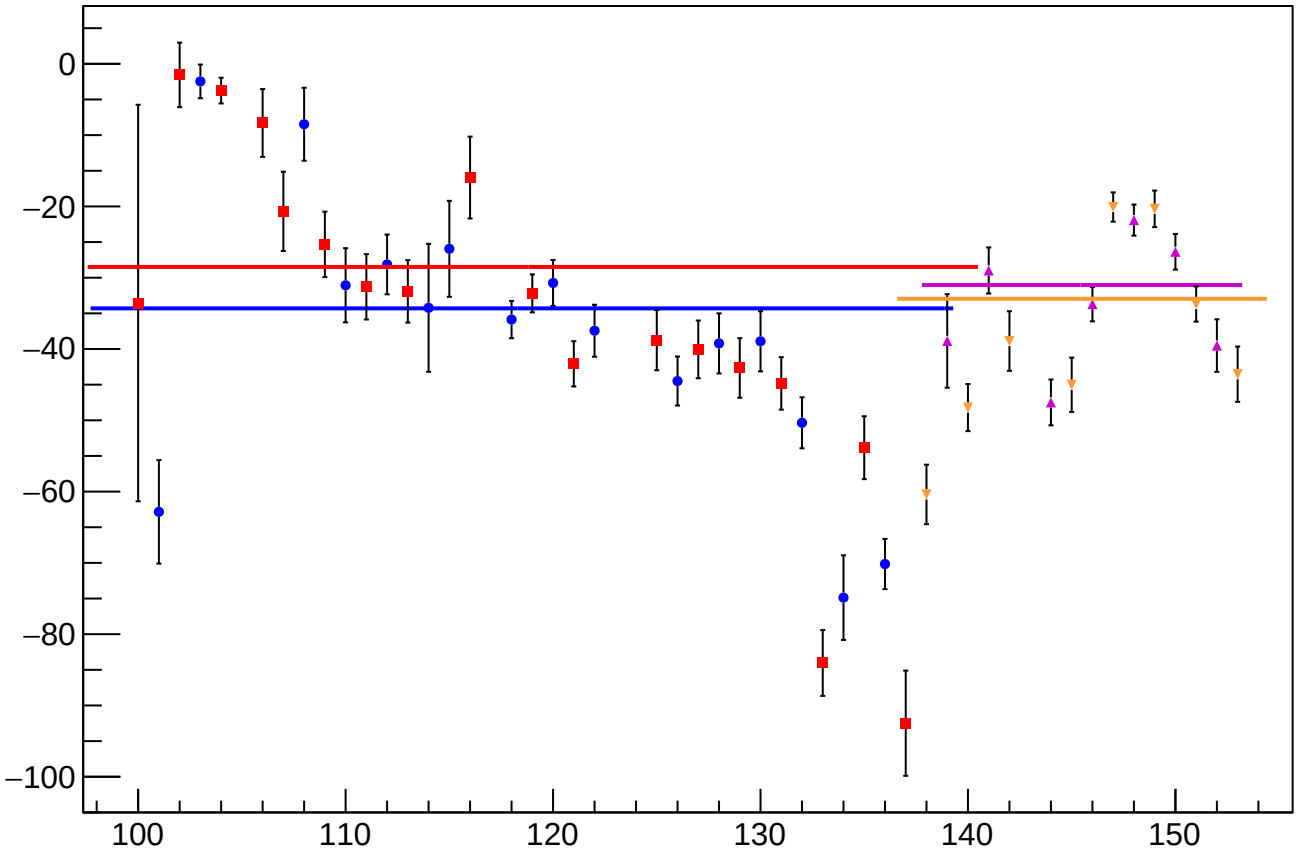
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -209.185+/-1.337 χ^2/NDF:95.1/6

+ sign -150.677+/-0.711 χ^2/NDF: 17050.4/23

All: -146.927+/-0.497 χ^2/NDF: 36696.6/48

- sign -143.344+/-0.695 χ^2/NDF: 19591.8/24



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -32.955+/-1.057 χ^2/NDF:147.6/7

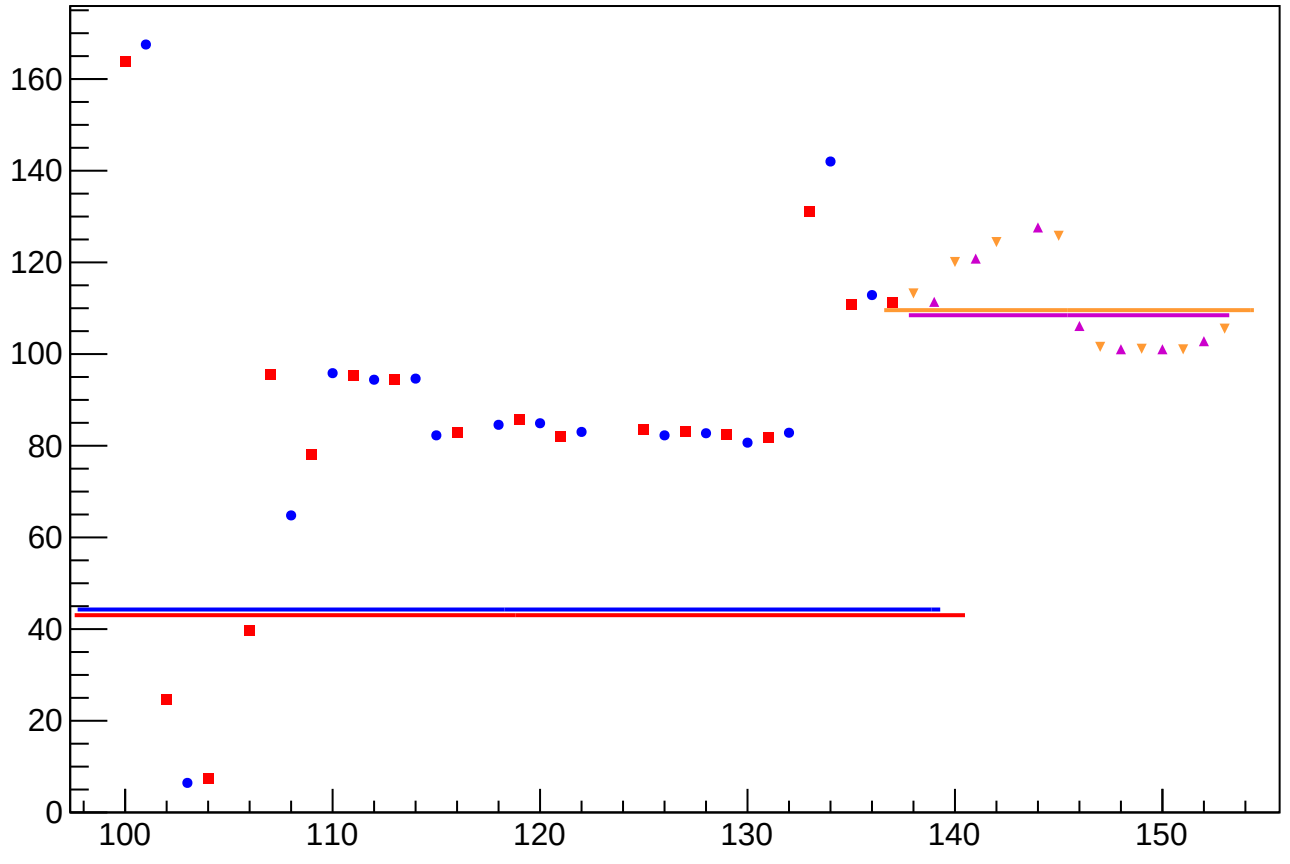
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -31.027+/-1.096 χ^2/NDF:55.6/6

+ sign -33.687+/-0.714 χ^2/NDF: 559.8/23

All: -31.559+/-0.499 χ^2/NDF: 1204.0/48

- sign -29.519+/-0.699 χ^2/NDF: 626.8/24



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 109.581+/-0.054 χ^2/NDF:31801.6/7

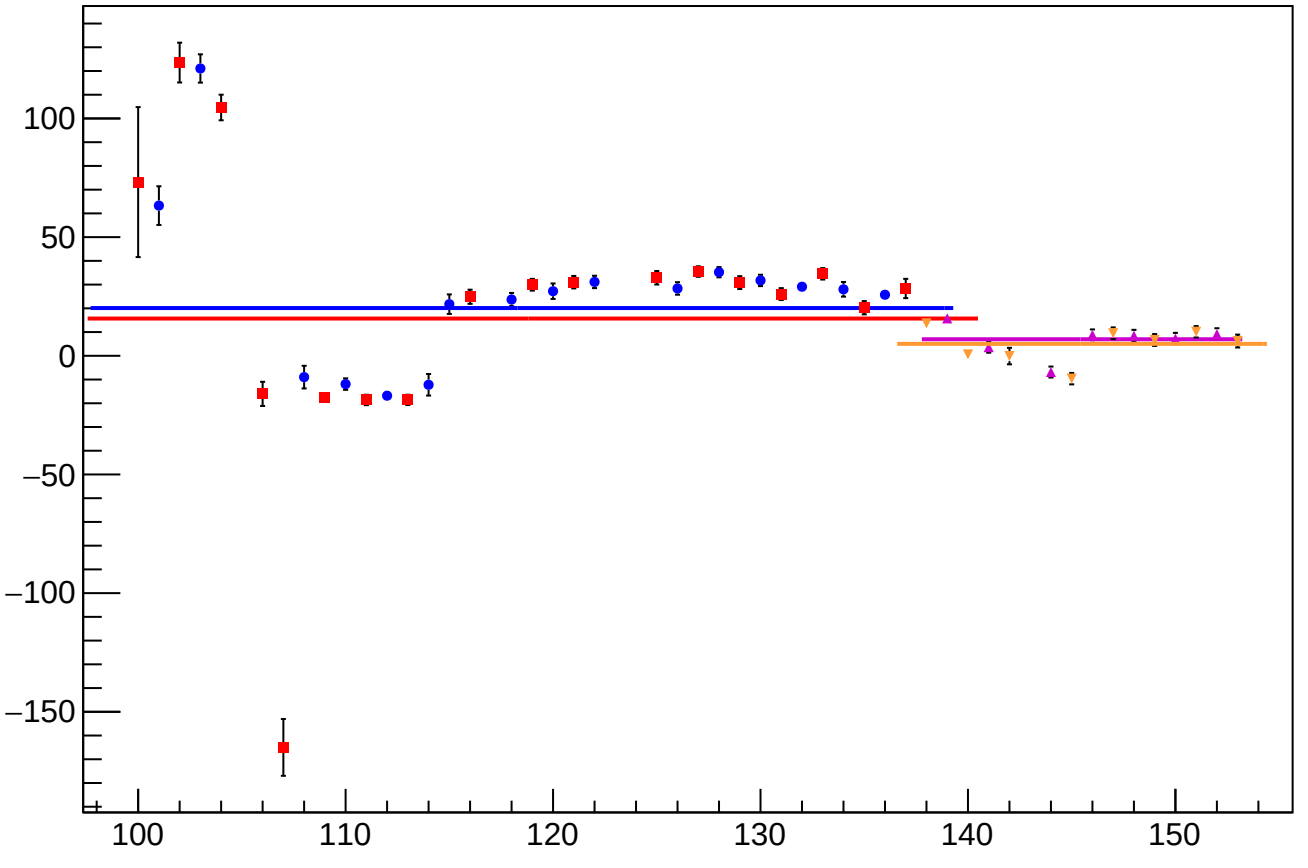
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 108.472+/-0.054 χ^2/NDF:27853.0/6

+ sign 71.101+/-0.034 χ^2/NDF: 1984327.5/23

All: 70.541+/-0.024 χ^2/NDF: 3687132.6/48

- sign 69.979+/-0.035 χ^2/NDF: 1702277.0/24



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 5.029+/-0.860 χ^2/NDF:69.6/7

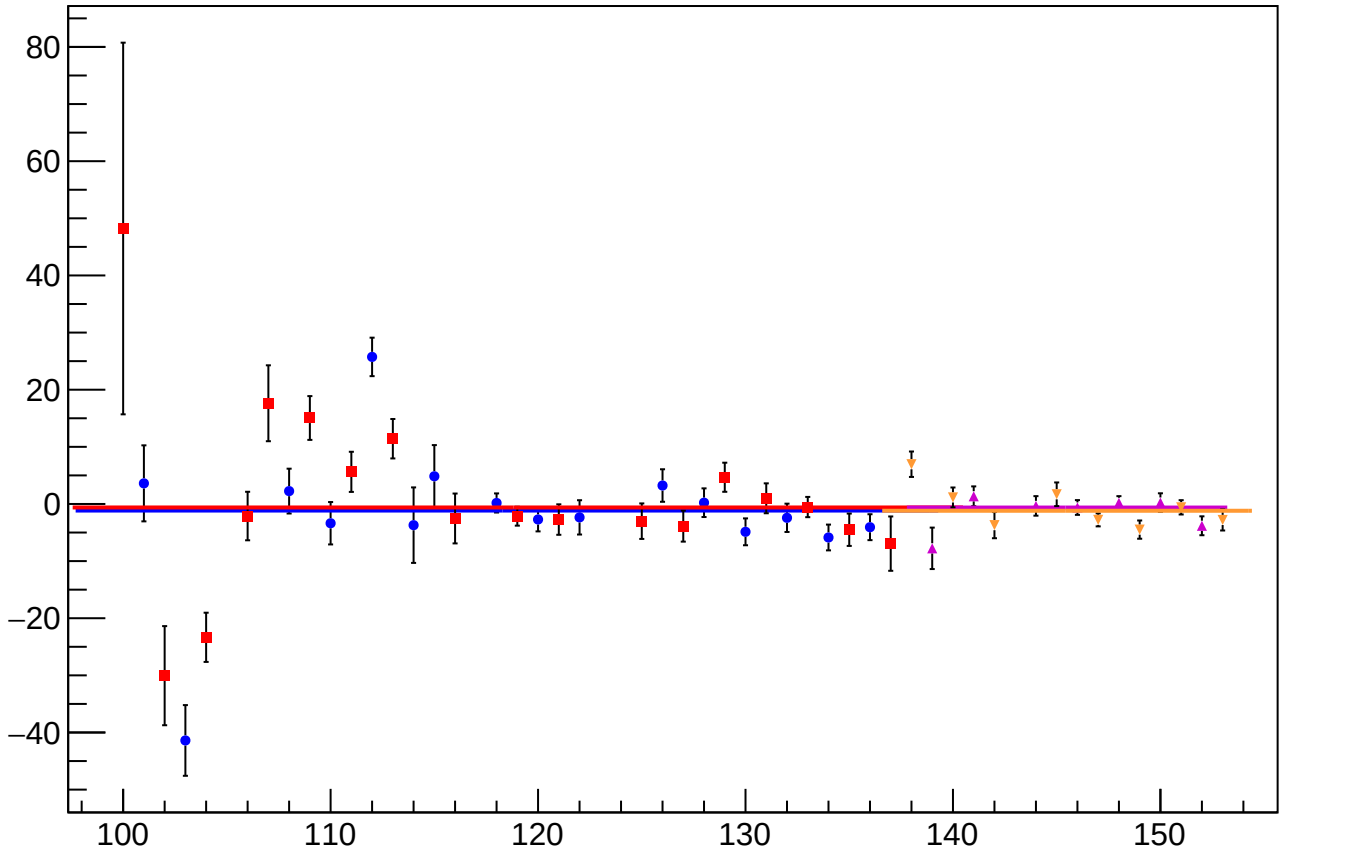
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.974+/-0.873 χ^2/NDF:58.9/6

\+ sign 14.241+/-0.537 χ^2/NDF: 1305.5/23

All: 13.318+/-0.380 χ^2/NDF: 3206.2/48

\- sign 12.393+/-0.537 χ^2/NDF: 1894.8/24



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.189+/-0.572 χ^2/NDF:25.6/7

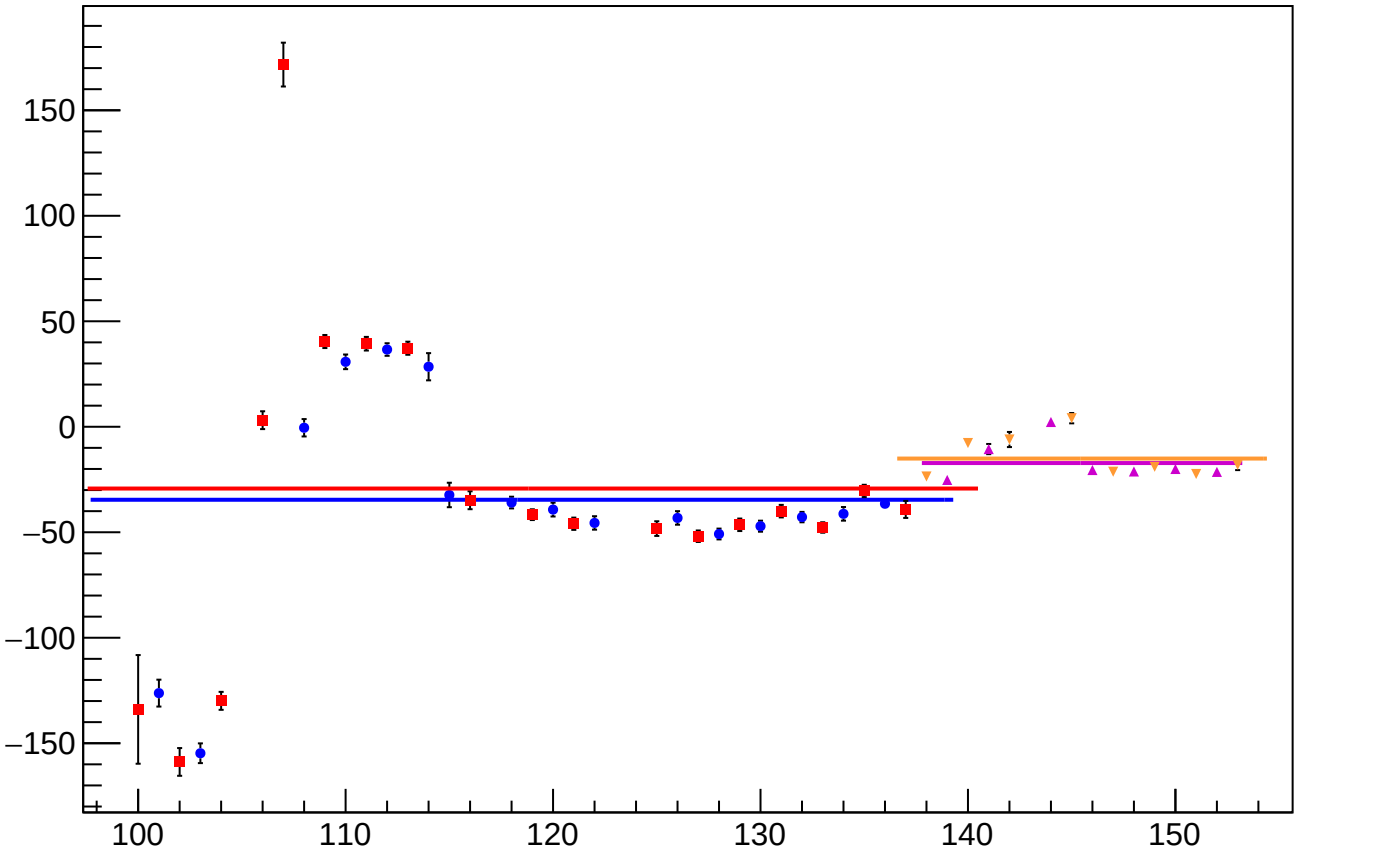
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.627+/-0.594 χ^2/NDF:9.7/6

+ sign -1.174+/-0.443 χ^2/NDF: 147.4/23

All: -0.906+/-0.318 χ^2/NDF: 251.3/48

- sign -0.622+/-0.456 χ^2/NDF: 103.1/24



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -15.071+/-0.846 χ^2/NDF:116.5/7

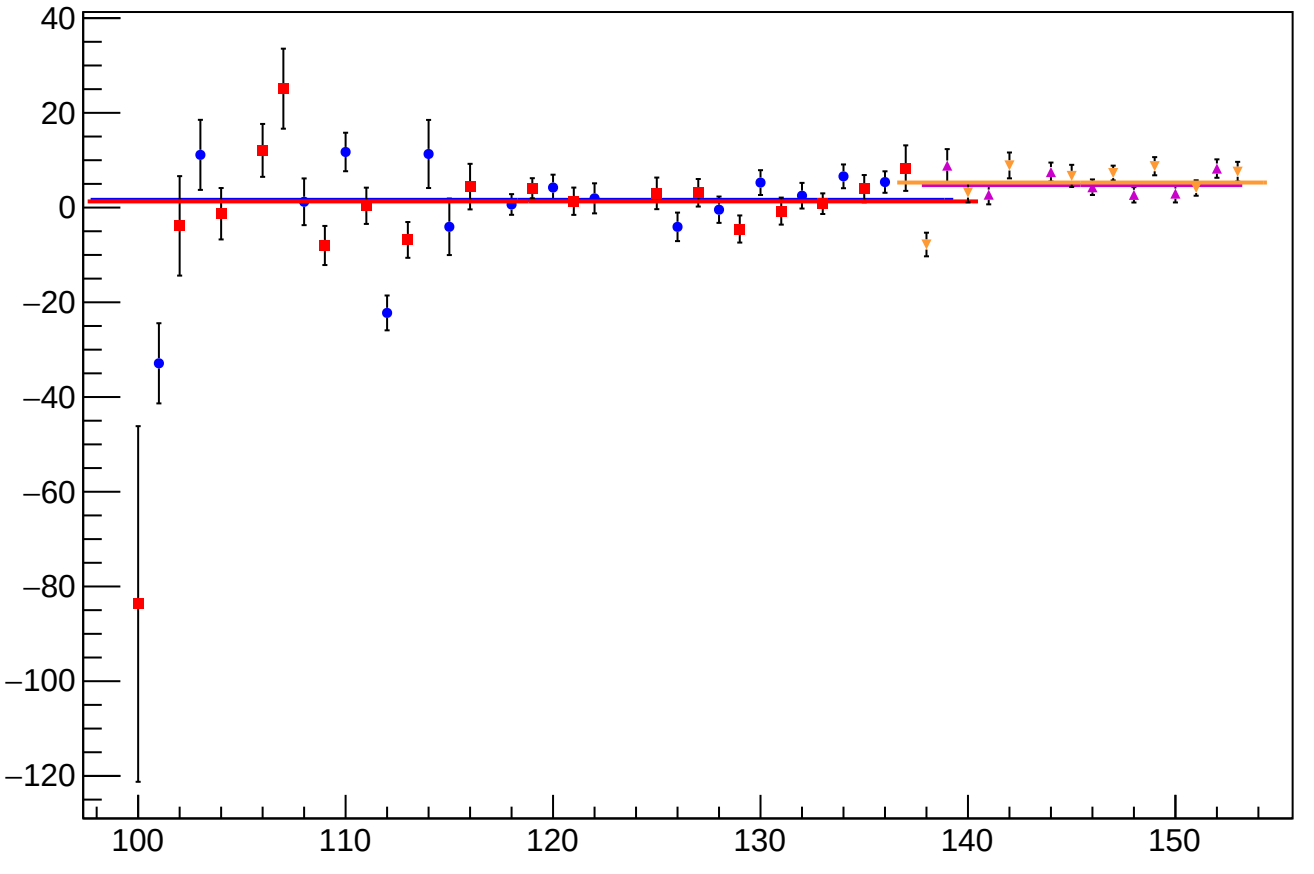
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.199+/-0.859 χ^2/NDF:99.4/6

+ sign -25.553+/-0.576 χ^2/NDF: 2460.7/23

All: -24.627+/-0.411 χ^2/NDF: 5752.3/48

- sign -23.670+/-0.585 χ^2/NDF: 3286.3/24



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 5.287+/-0.707 χ^2/NDF:37.2/7

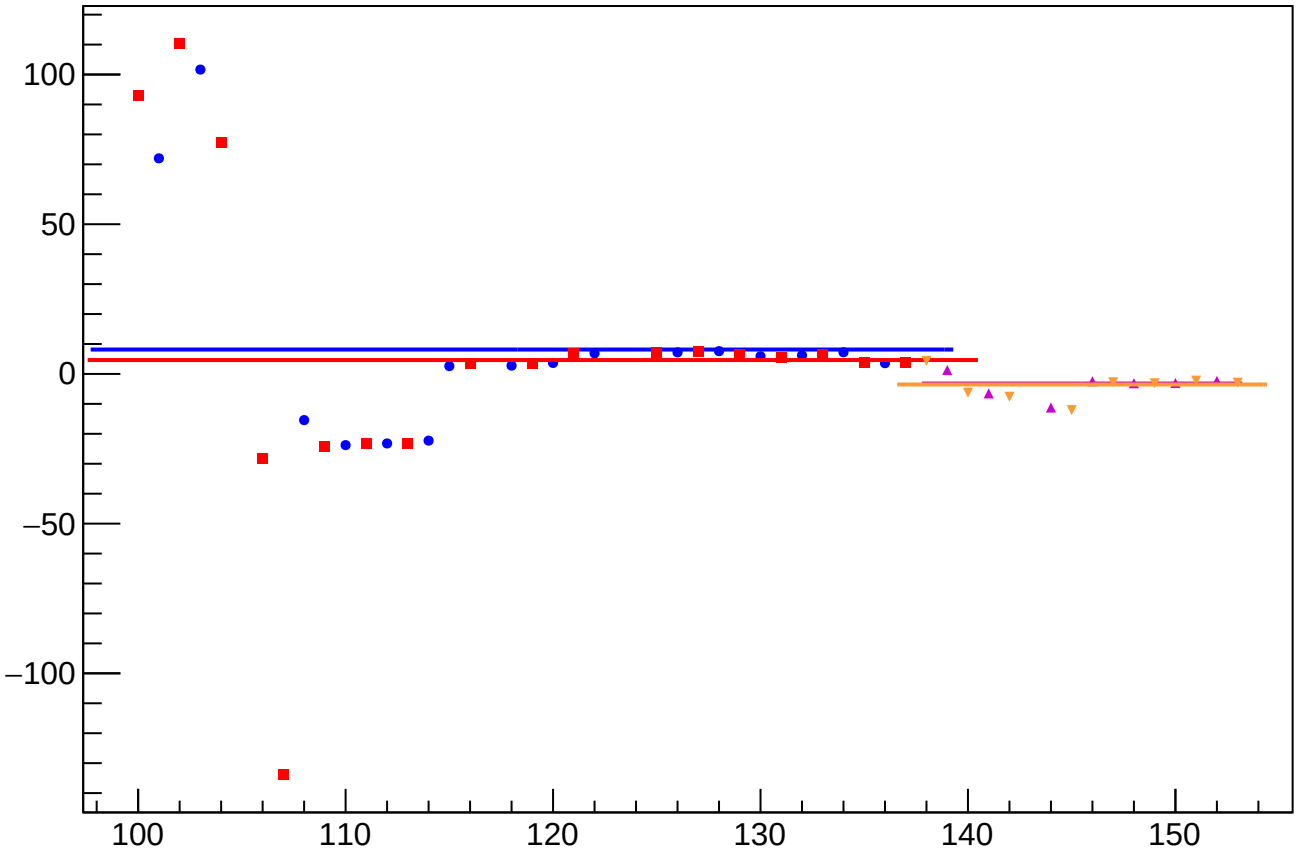
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.753+/-0.731 χ^2/NDF:10.1/6

\+ sign 3.676+/-0.529 χ^2/NDF: 132.3/23

All: 3.453+/-0.379 χ^2/NDF: 190.2/48

\- sign 3.216+/-0.545 χ^2/NDF: 57.6/24



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.526+/-0.034 χ^2/NDF:18357.9/7

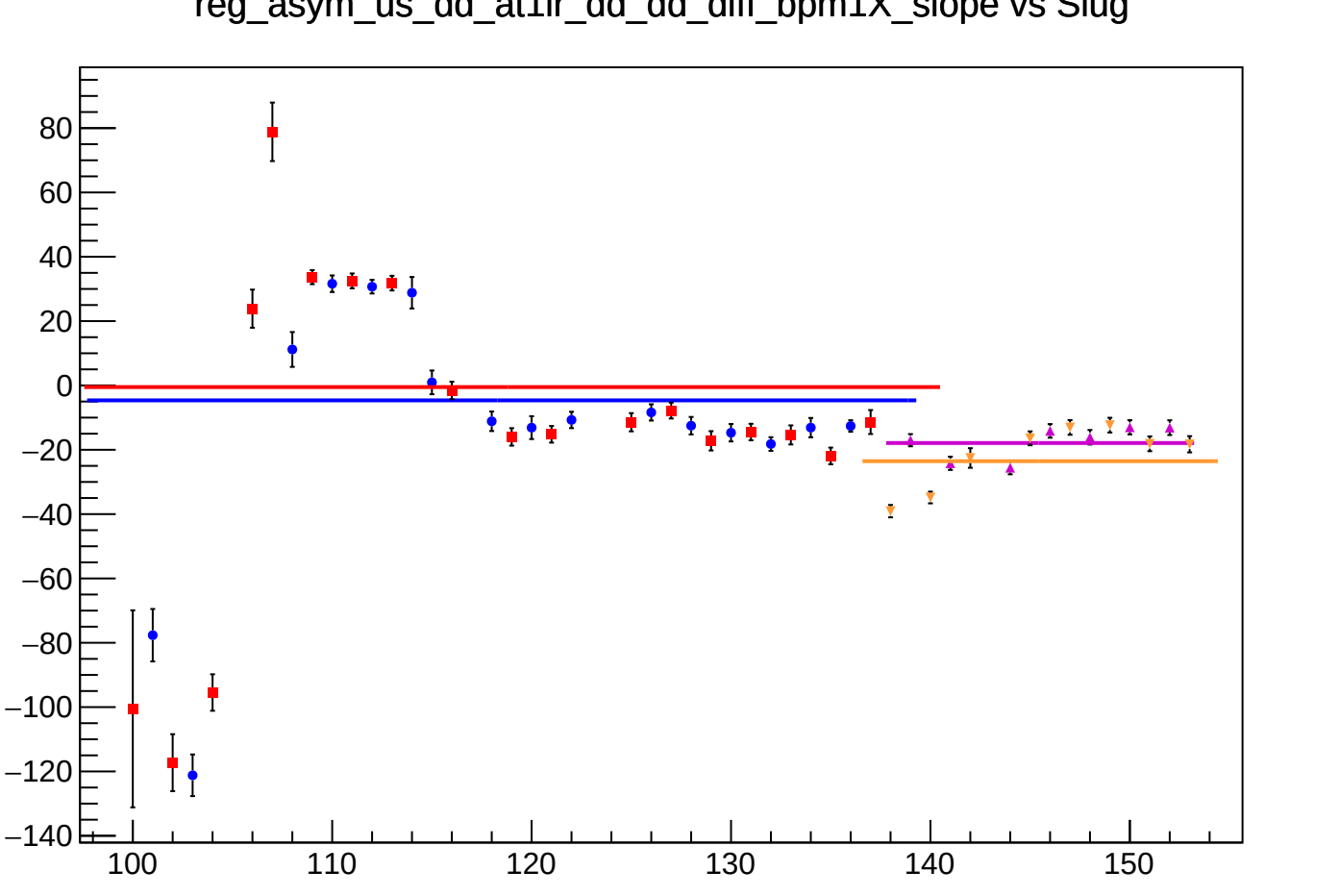
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.210+/-0.034 χ^2/NDF:10643.5/6

+ sign 0.340+/-0.028 χ^2/NDF: 370647.1/23

All: -0.235+/-0.020 χ^2/NDF: 845044.9/48

- sign -0.834+/-0.028 χ^2/NDF: 473526.4/24



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -23.542+/-0.785 χ^2/NDF:169.8/7

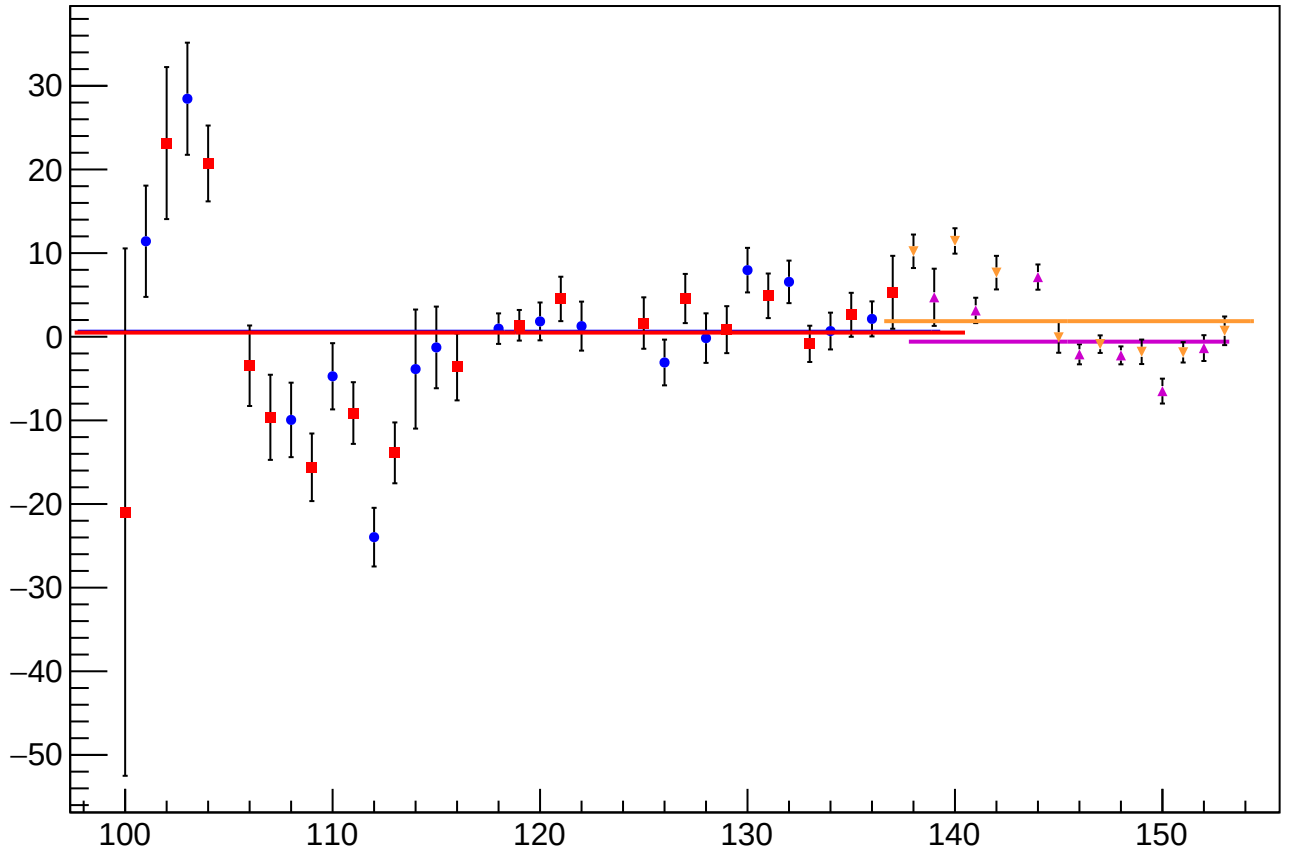
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.895+/-0.799 χ^2/NDF:36.8/6

+ sign -13.169+/-0.527 χ^2/NDF: 1534.4/23

All: -10.696+/-0.374 χ^2/NDF: 3337.7/48

- sign -8.185+/-0.531 χ^2/NDF: 1758.9/24



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.862+/-0.526 χ^2/NDF:89.7/7

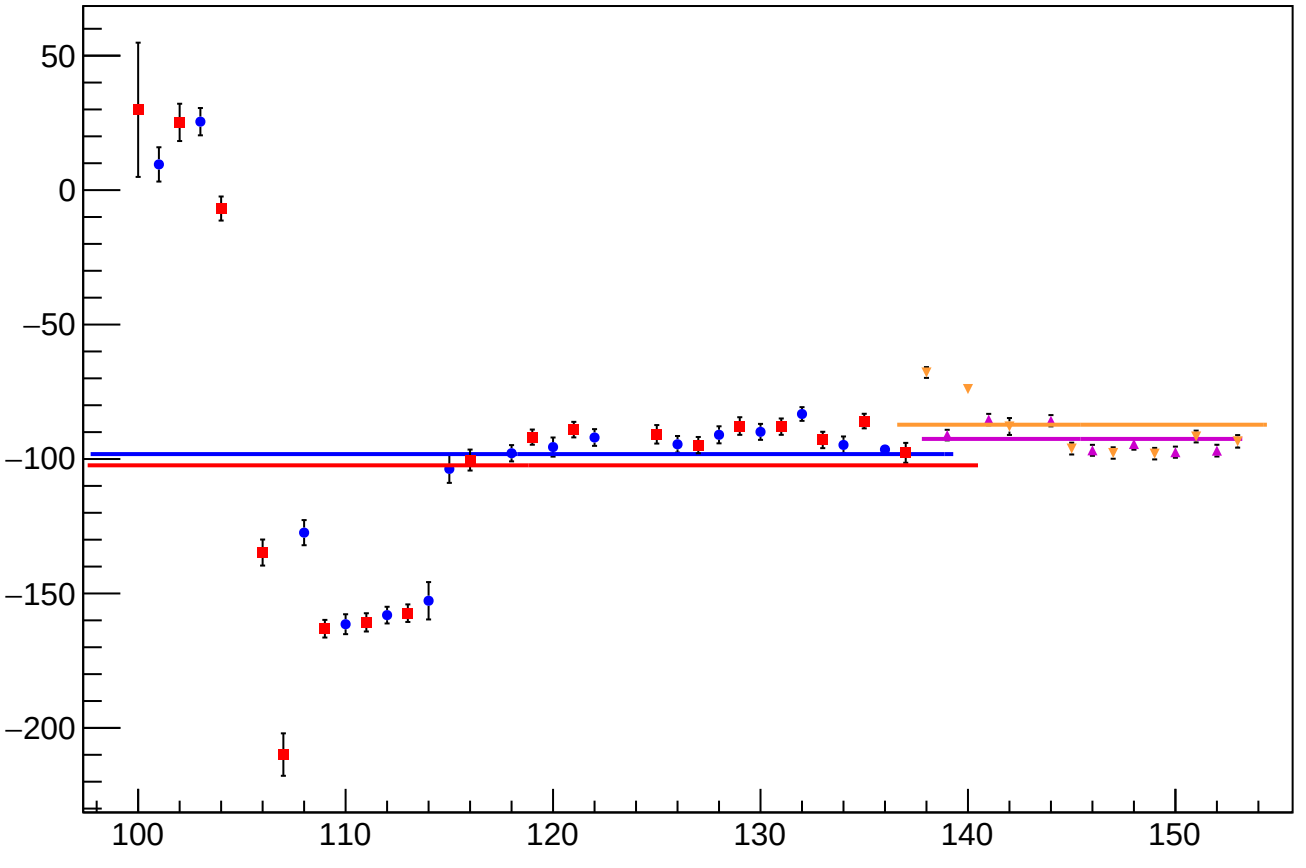
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.588+/-0.542 χ^2/NDF:54.7/6

+ sign 1.429+/-0.426 χ^2/NDF: 184.6/23

All: 0.632+/-0.306 χ^2/NDF: 328.0/48

- sign -0.219+/-0.440 χ^2/NDF: 136.2/24



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -87.241+/-0.774 χ^2/NDF:221.0/7

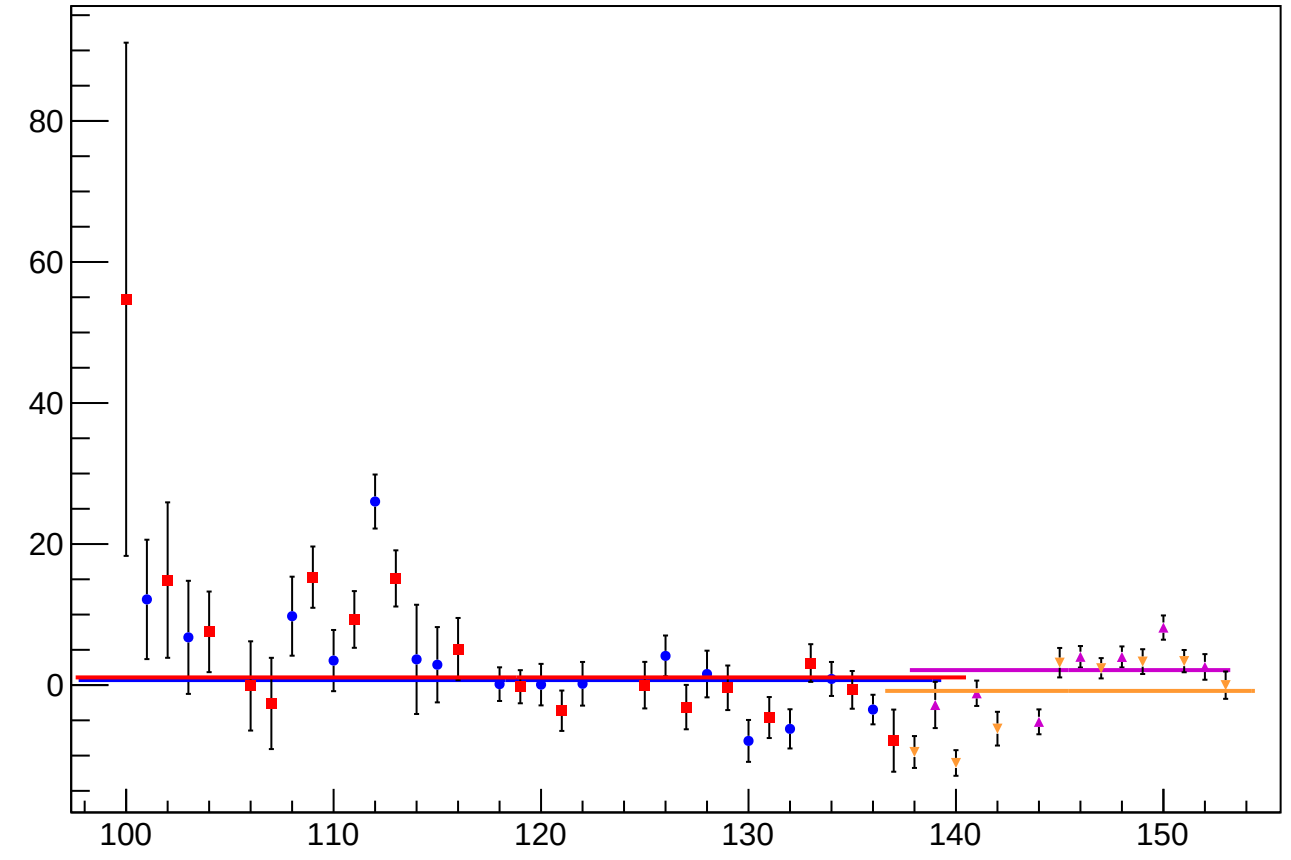
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -92.527+/-0.787 χ^2/NDF:37.2/6

+ sign -92.435+/-0.560 χ^2/NDF: 2015.8/23

All: -94.732+/-0.401 χ^2/NDF: 4278.0/48

- sign -97.137+/-0.573 χ^2/NDF: 2227.8/24



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.825+/-0.649 χ^2/NDF:72.9/7

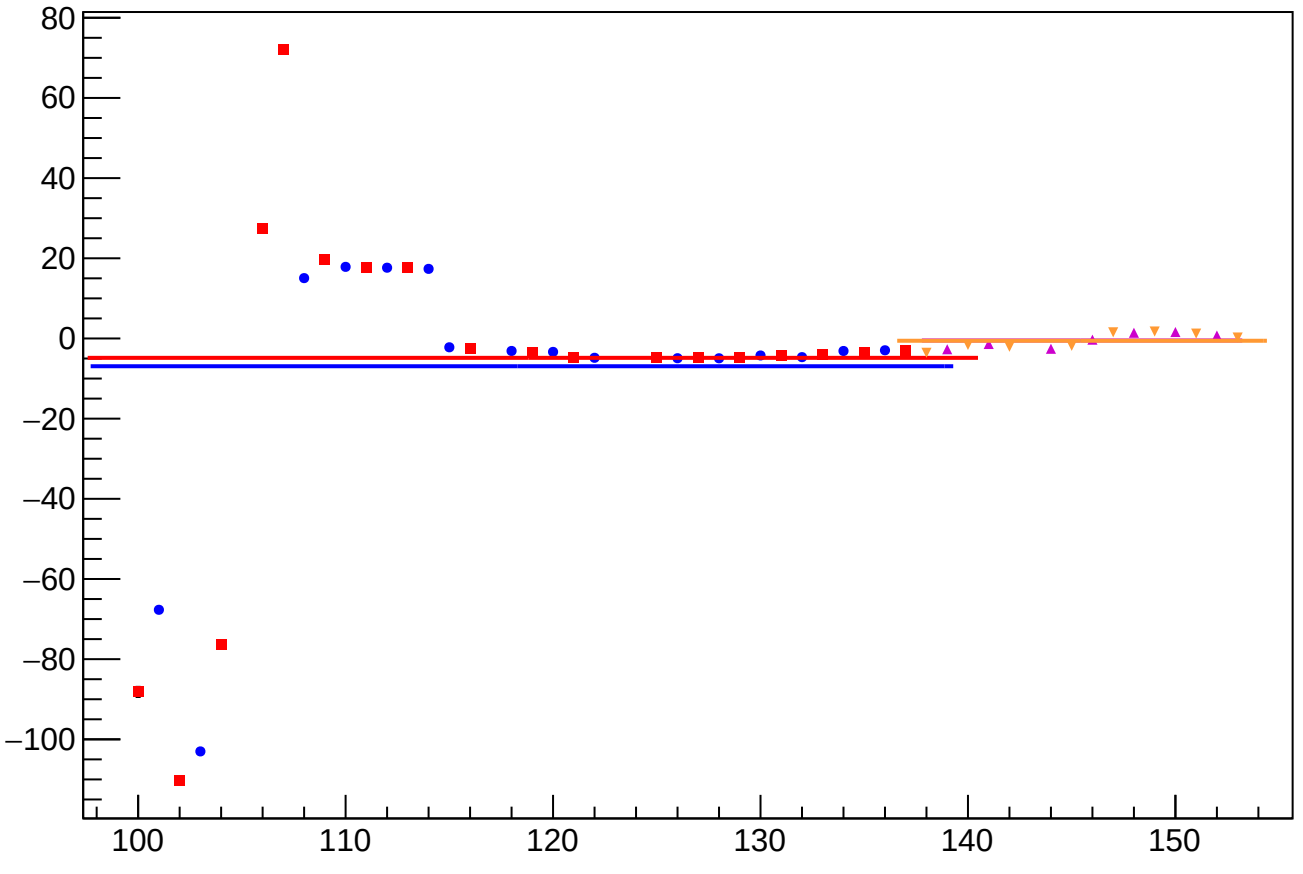
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 2.125+/-0.667 χ^2/NDF:38.4/6

+ sign -0.235+/-0.509 χ^2/NDF: 144.7/23

All: 0.716+/-0.366 χ^2/NDF: 238.8/48

- sign 1.733+/-0.526 χ^2/NDF: 86.9/24



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.570+/-0.031 χ^2/NDF:3631.3/7

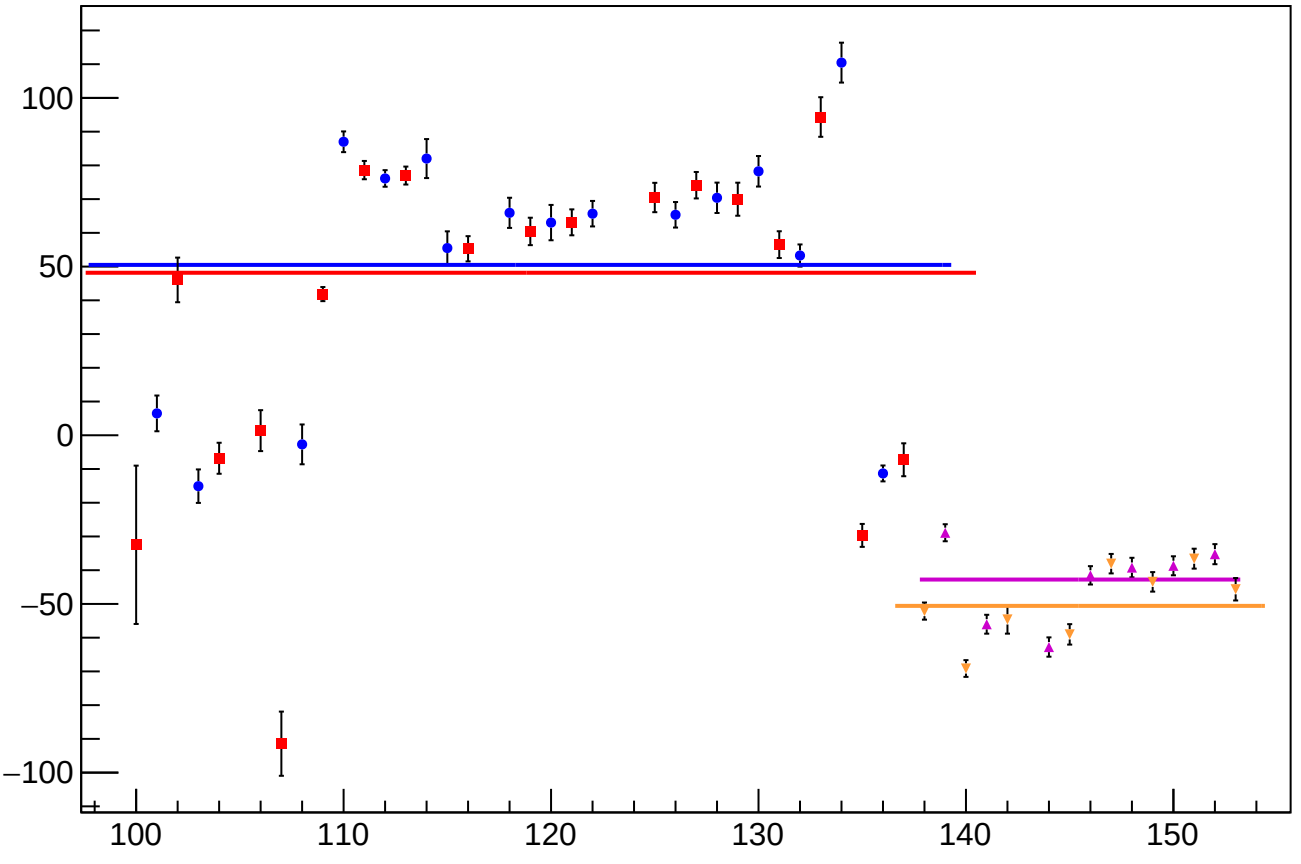
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.503+/-0.031 χ^2/NDF:2942.2/6

+ sign -2.431+/-0.026 χ^2/NDF: 280953.1/23

All: -2.040+/-0.019 χ^2/NDF: 628691.0/48

- sign -1.628+/-0.027 χ^2/NDF: 347282.0/24



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.574+/-1.038 χ^2/NDF:114.5/7

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

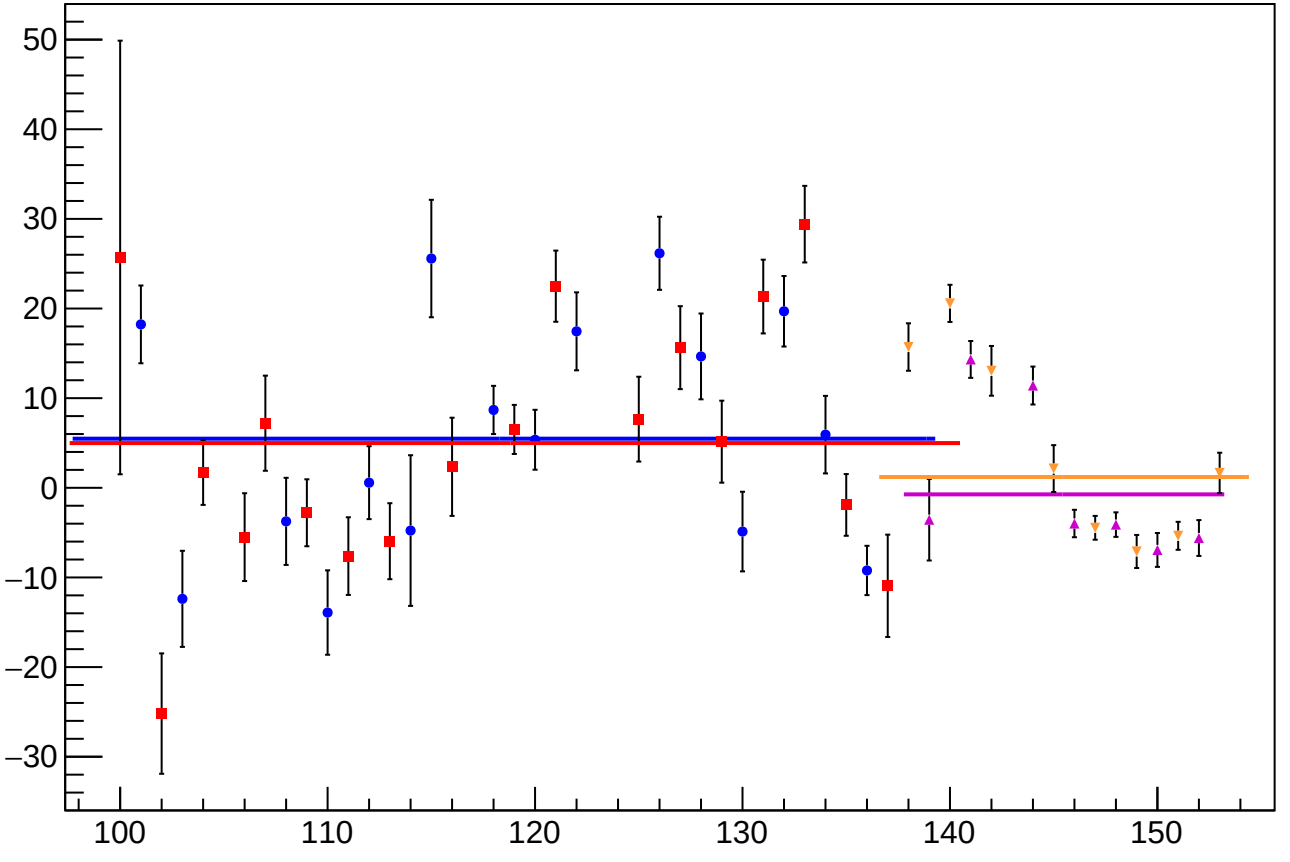
Left In: -42.771+/-1.054 χ^2/NDF:111.7/6

+ sign 3.636+/-0.707 χ^2/NDF: 6701.7/23

All: 6.442+/-0.494 χ^2/NDF: 12612.2/48

- sign 9.120+/-0.691 χ^2/NDF: 5879.7/24

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.204+/-0.687 χ^2/NDF:191.9/7

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

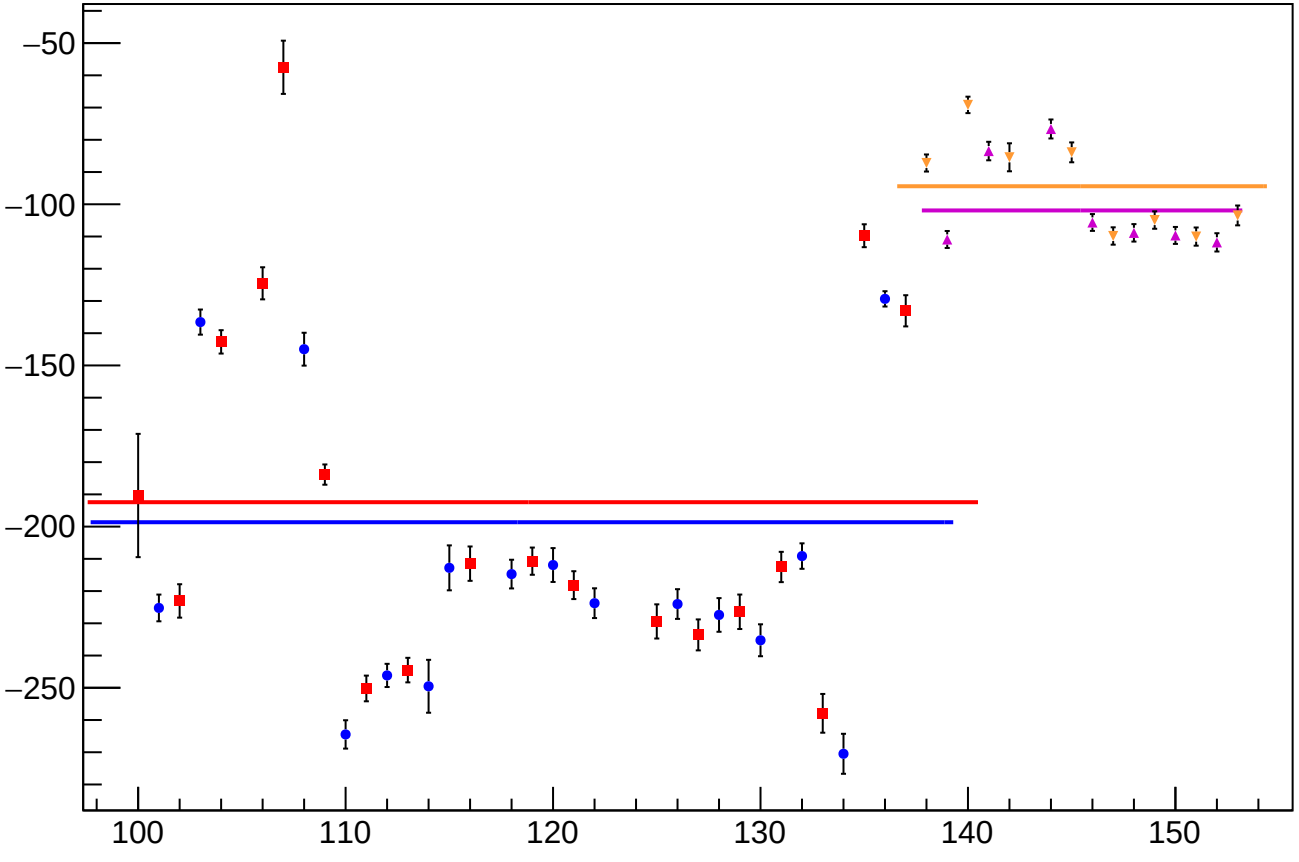
Left In: -0.731+/-0.707 χ^2/NDF:114.2/6

+ sign 2.536+/-0.570 χ^2/NDF: 342.1/23

All: 1.843+/-0.407 χ^2/NDF: 612.4/48

- sign 1.121+/-0.582 χ^2/NDF: 267.3/24

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -94.409+/-1.020 χ^2/NDF:208.4/7

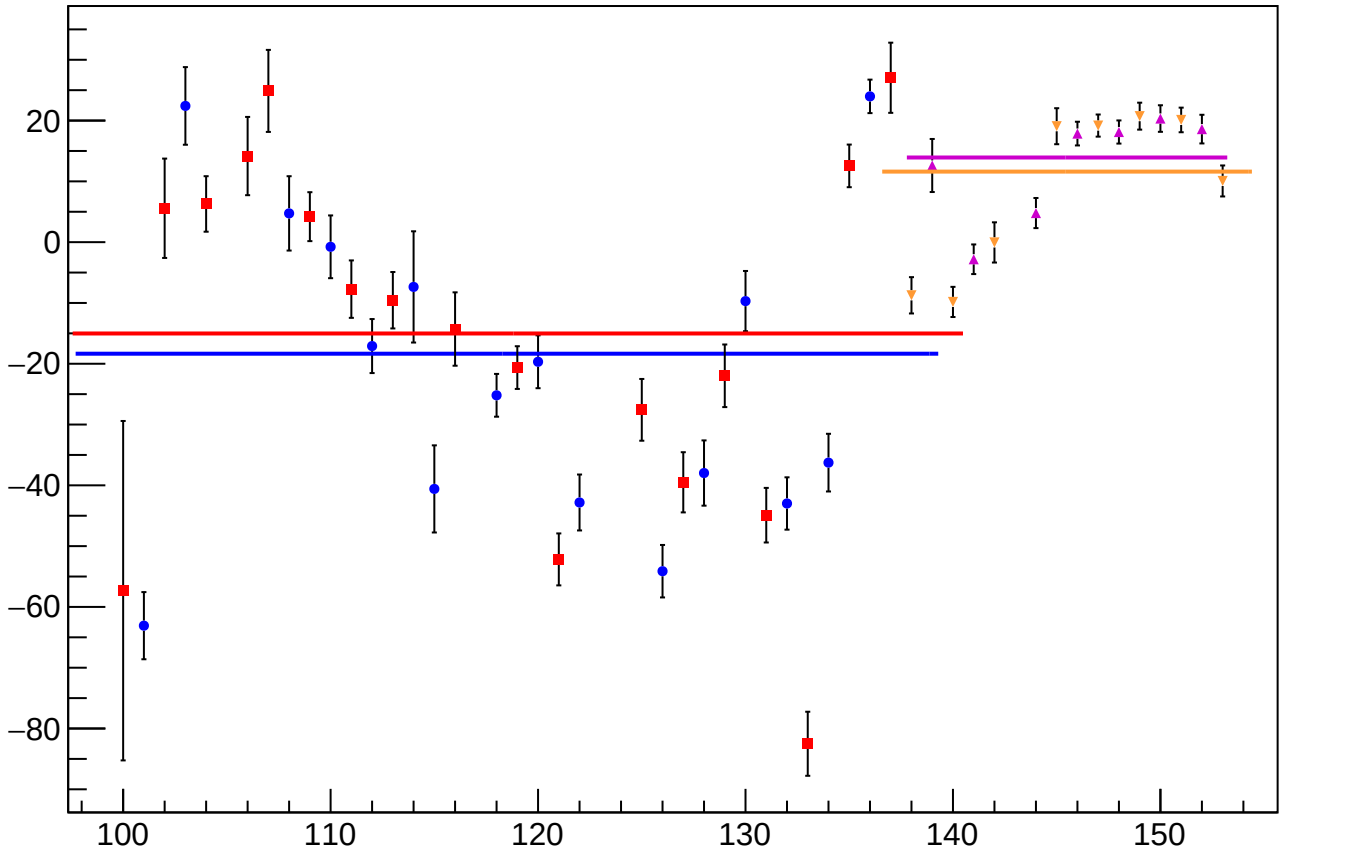
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.915+/-1.035 χ^2/NDF:156.0/6

+ sign -143.401+/-0.743 χ^2/NDF: 7116.2/23

All: -144.329+/-0.527 χ^2/NDF: 13075.6/48

- sign -145.268+/-0.747 χ^2/NDF: 5956.2/24



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 11.606+/-0.850 χ^2/NDF:192.0/7

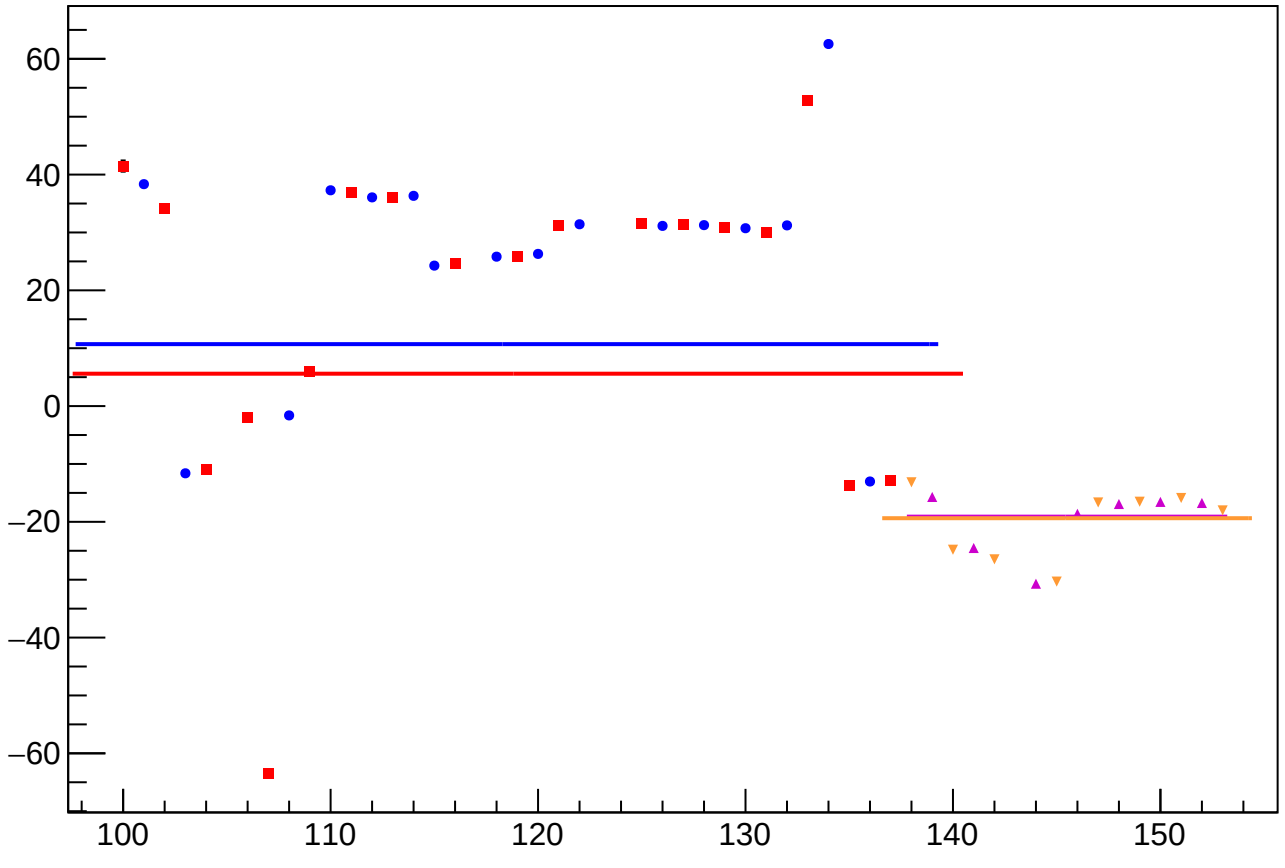
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 13.925+/-0.873 χ^2/NDF:82.3/6

+ sign 1.129+/-0.686 χ^2/NDF: 1170.0/23

All: 2.283+/-0.489 χ^2/NDF: 2201.3/48

- sign 3.479+/-0.698 χ^2/NDF: 1025.5/24



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -19.374+/-0.041 χ^2/NDF:17896.5/7

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

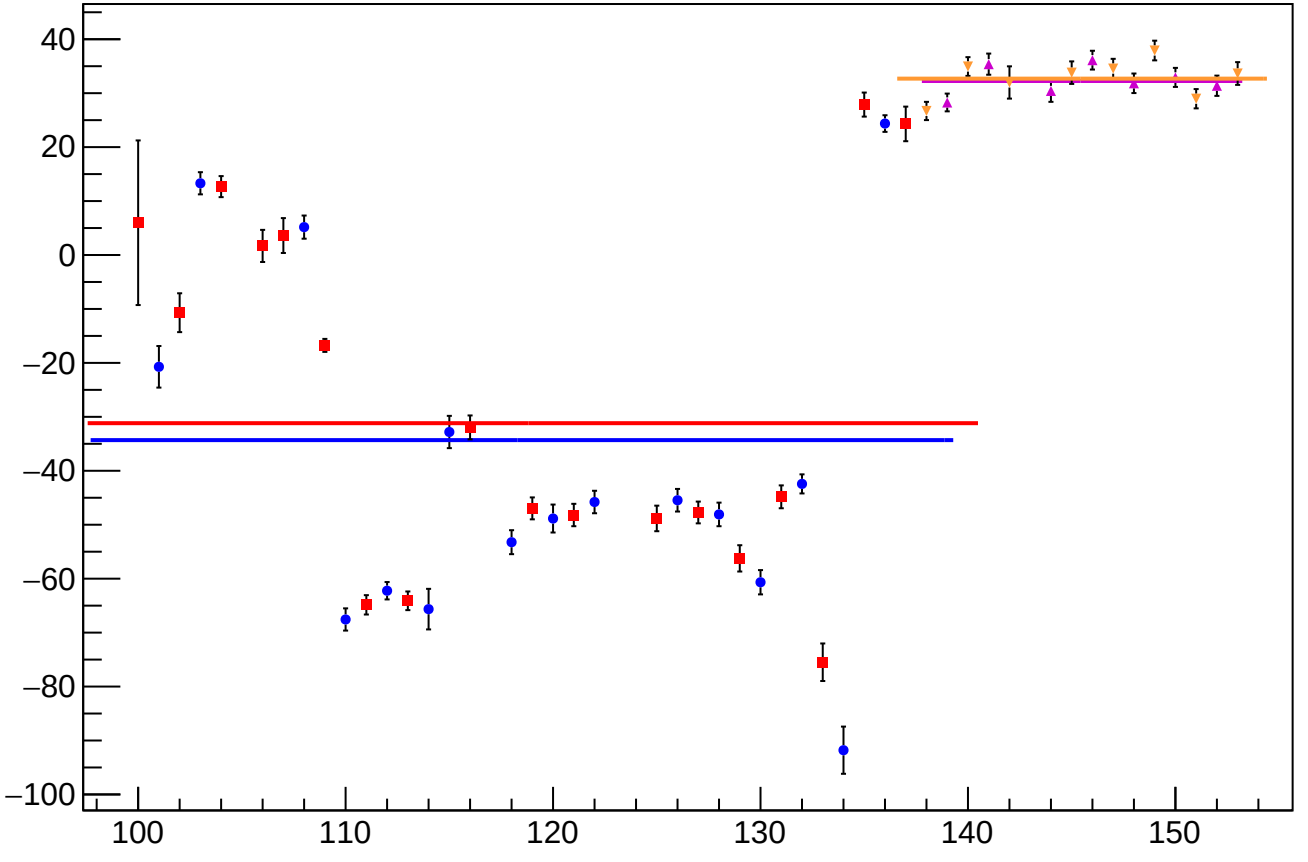
Left In: -19.104+/-0.041 χ^2/NDF:12703.9/6

+ sign -10.347+/-0.034 χ^2/NDF: 342780.7/23

All: -11.087+/-0.024 χ^2/NDF: 617714.6/48

- sign -11.829+/-0.035 χ^2/NDF: 274011.4/24

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 32.695+/-0.680 χ^2/NDF:28.3/7

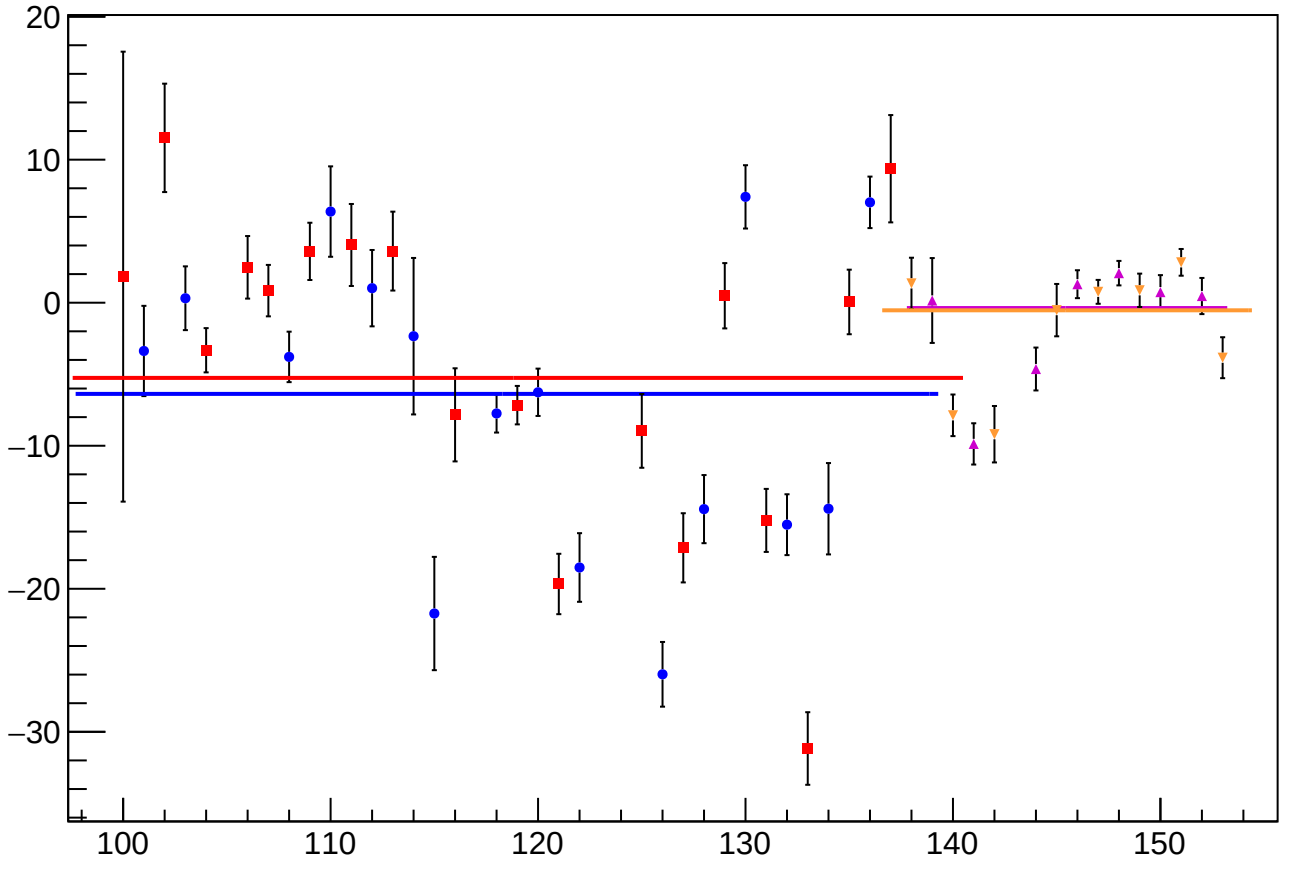
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.259+/-0.688 χ^2/NDF:14.6/6

+ sign -7.931+/-0.427 χ^2/NDF: 9420.7/23

All: -8.152+/-0.297 χ^2/NDF: 18077.5/48

- sign -8.359+/-0.413 χ^2/NDF: 8656.3/24



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.531+/-0.441 χ^2/NDF:67.9/7

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

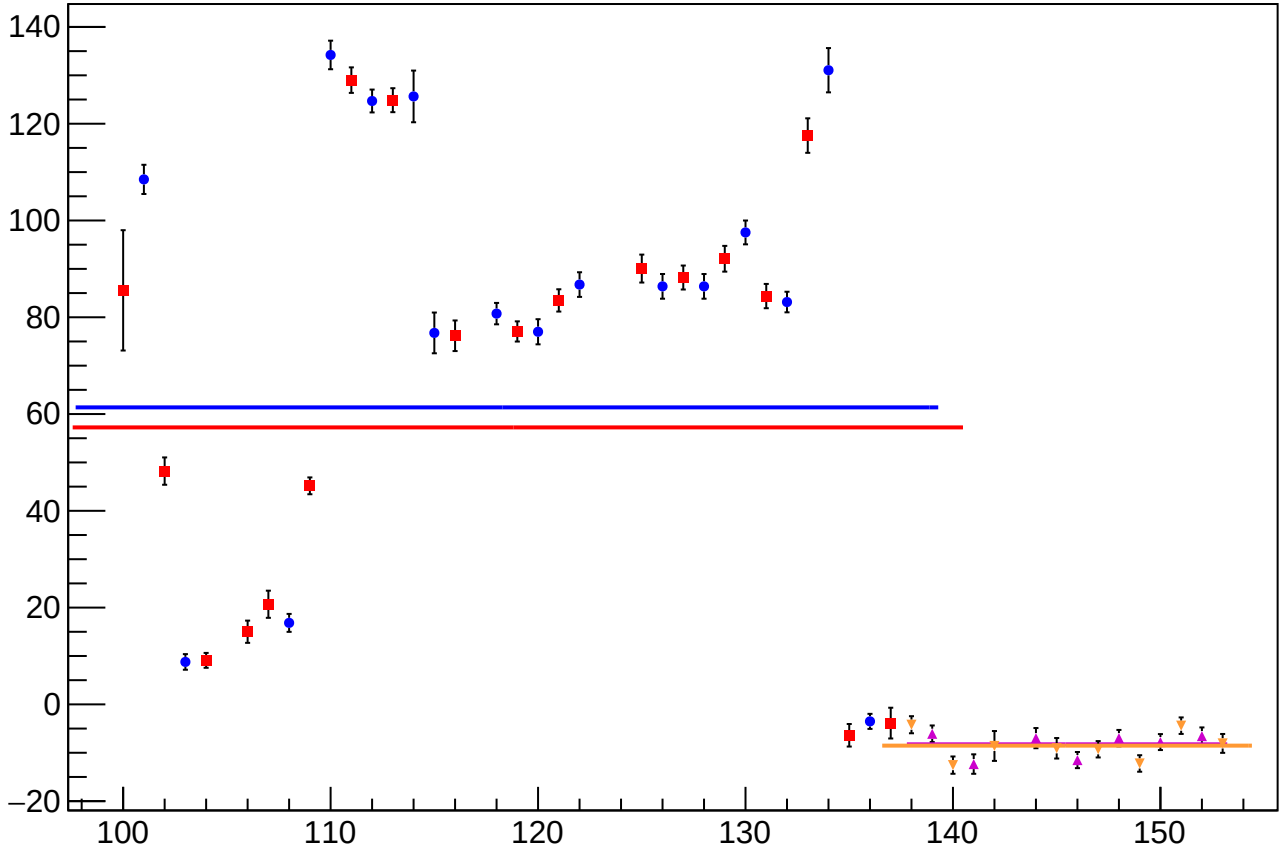
Left In: -0.373+/-0.457 χ^2/NDF:63.8/6

+ sign -2.800+/-0.345 χ^2/NDF: 419.7/23

All: -2.623+/-0.245 χ^2/NDF: 845.4/48

- sign -2.444+/-0.347 χ^2/NDF: 425.2/24

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -8.526+/-0.665 χ^2/NDF:21.9/7

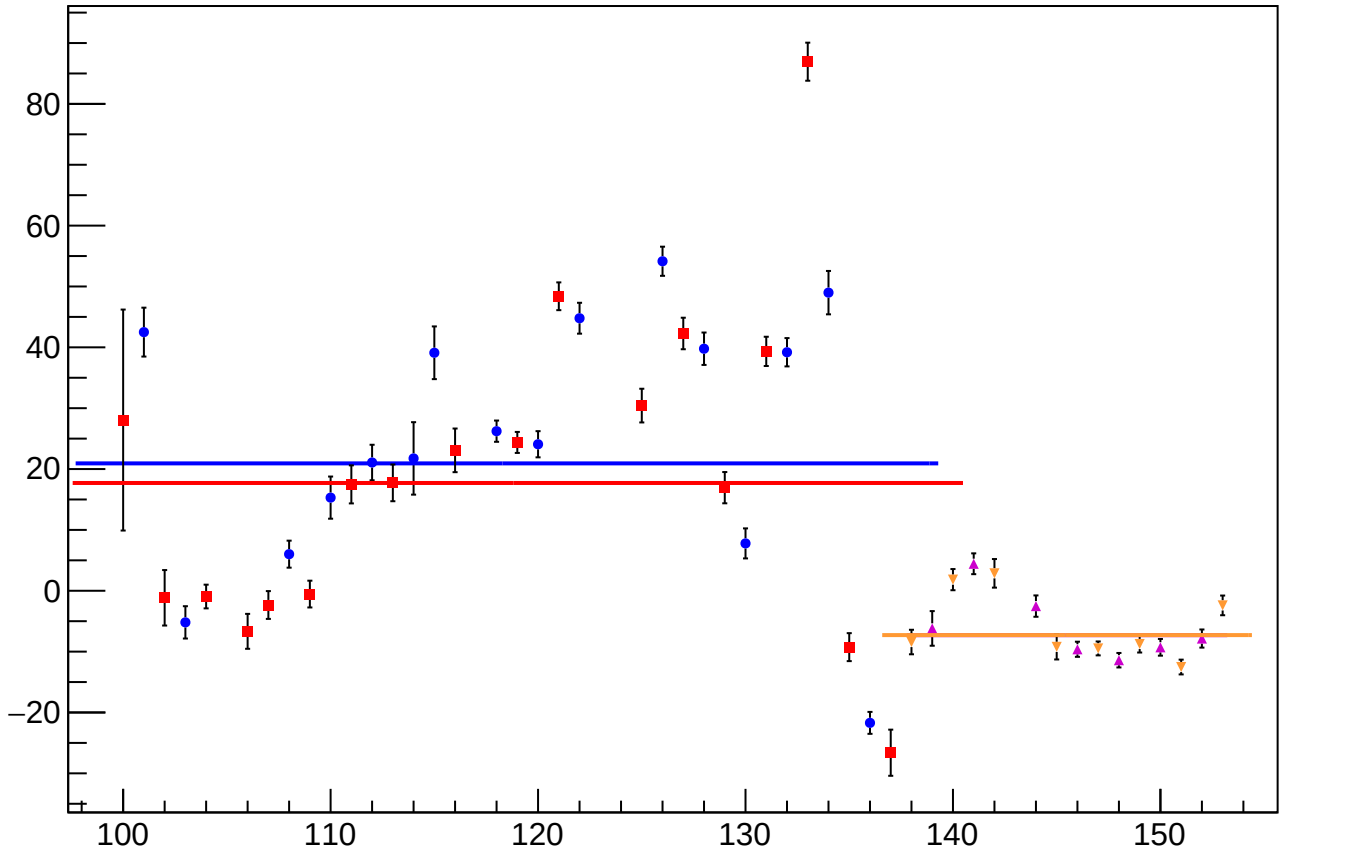
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -8.255+/-0.674 χ^2/NDF:11.5/6

+ sign 30.331+/-0.443 χ^2/NDF: 12233.1/23

All: 29.837+/-0.312 χ^2/NDF: 22940.8/48

- sign 29.351+/-0.440 χ^2/NDF: 10705.2/24



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -7.284+/-0.548 χ^2/NDF:79.8/7

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

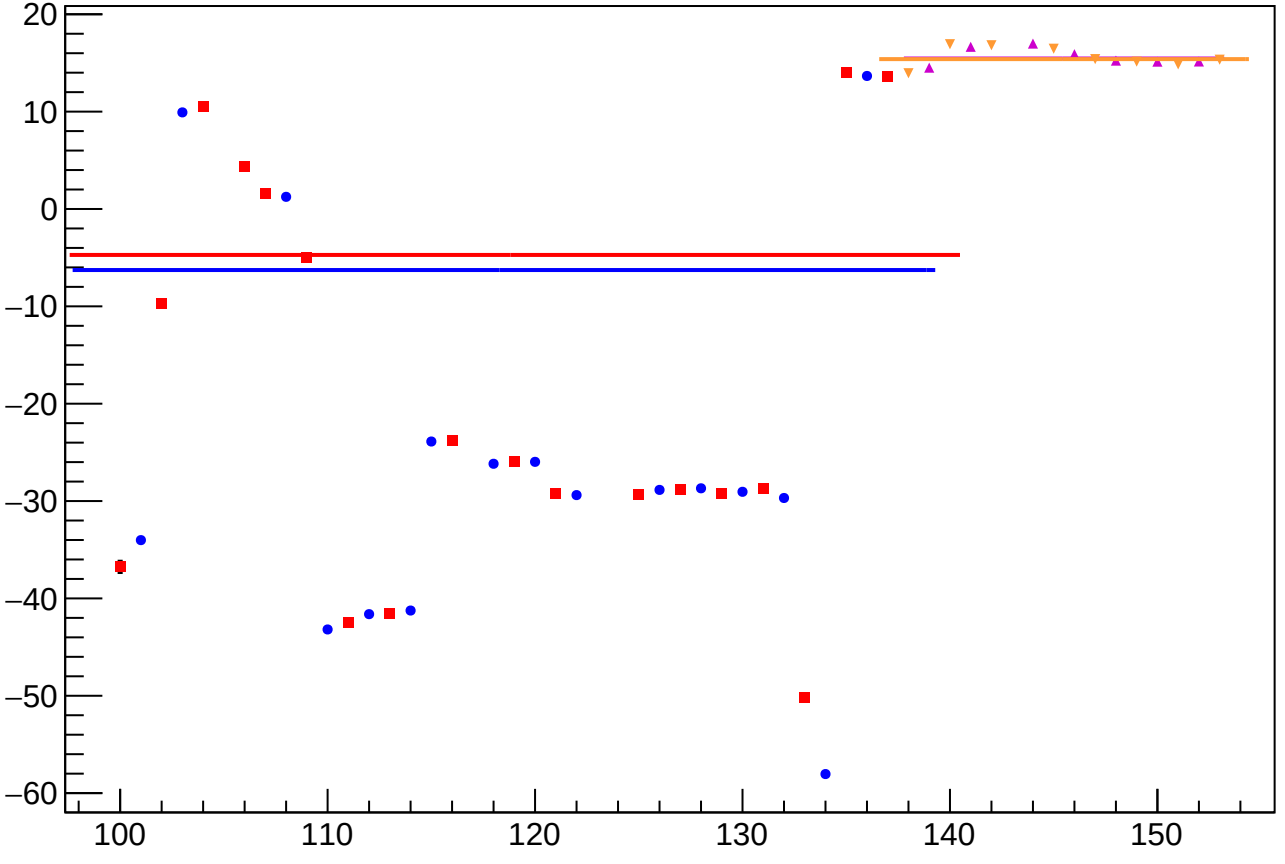
Left In: -7.299+/-0.566 χ^2/NDF:72.3/6

+ sign 4.656+/-0.416 χ^2/NDF: 2445.8/23

All: 4.380+/-0.295 χ^2/NDF: 4891.7/48

- sign 4.103+/-0.417 χ^2/NDF: 2445.0/24

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.393+/-0.027 χ^2/NDF:1184.4/7

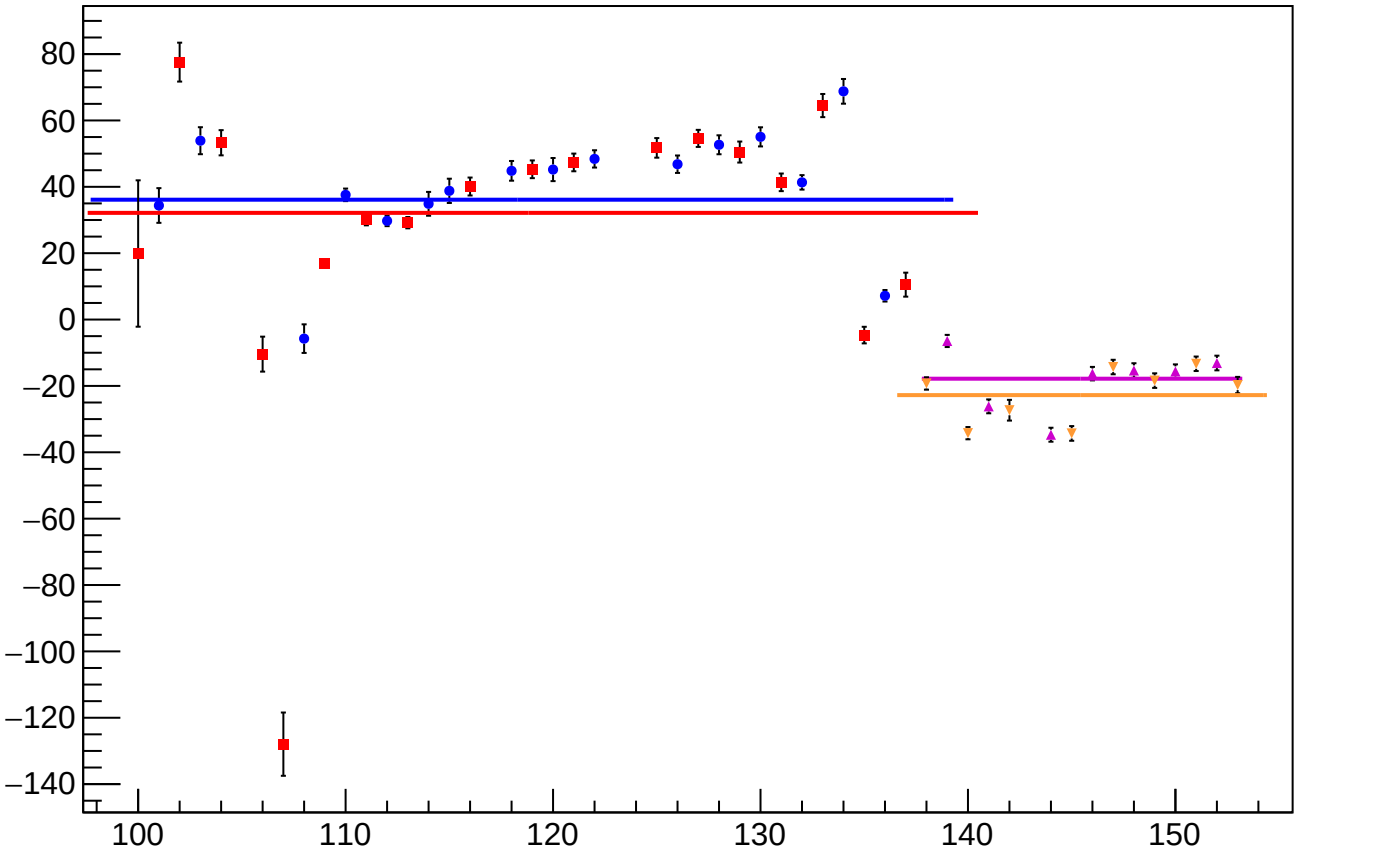
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.456+/-0.027 χ^2/NDF:816.2/6

+ sign 6.926+/-0.021 χ^2/NDF: 667690.7/23

All: 7.304+/-0.015 χ^2/NDF: 1196301.8/48

- sign 7.682+/-0.021 χ^2/NDF: 527956.7/24



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -22.771+/-0.772 χ^2/NDF:110.5/7

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

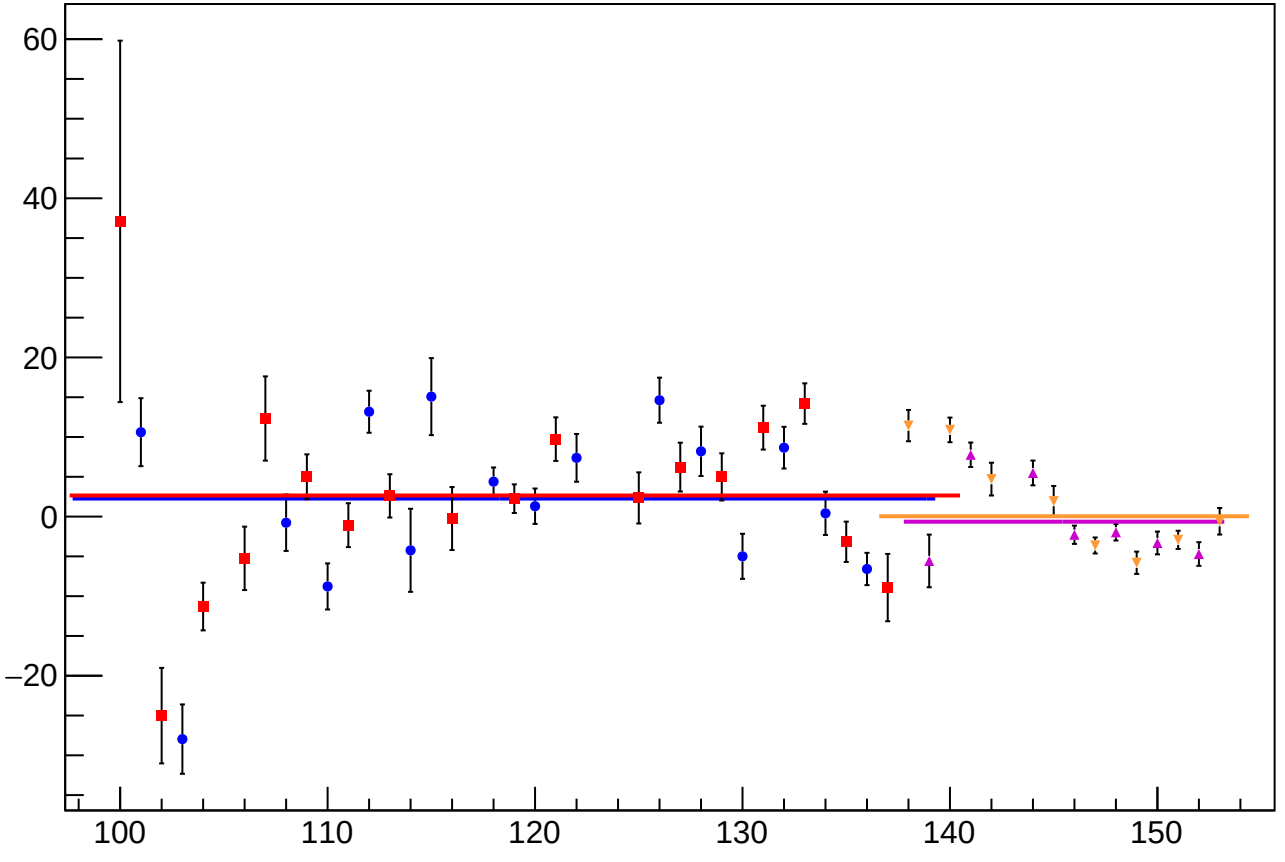
Left In: -17.826+/-0.784 χ^2/NDF:126.1/6

\+ sign 11.410+/-0.500 χ^2/NDF: 4110.2/23

All: 11.972+/-0.350 χ^2/NDF: 7821.0/48

\- sign 12.514+/-0.491 χ^2/NDF: 3708.3/24

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.041+/-0.513 χ^2/NDF:126.3/7

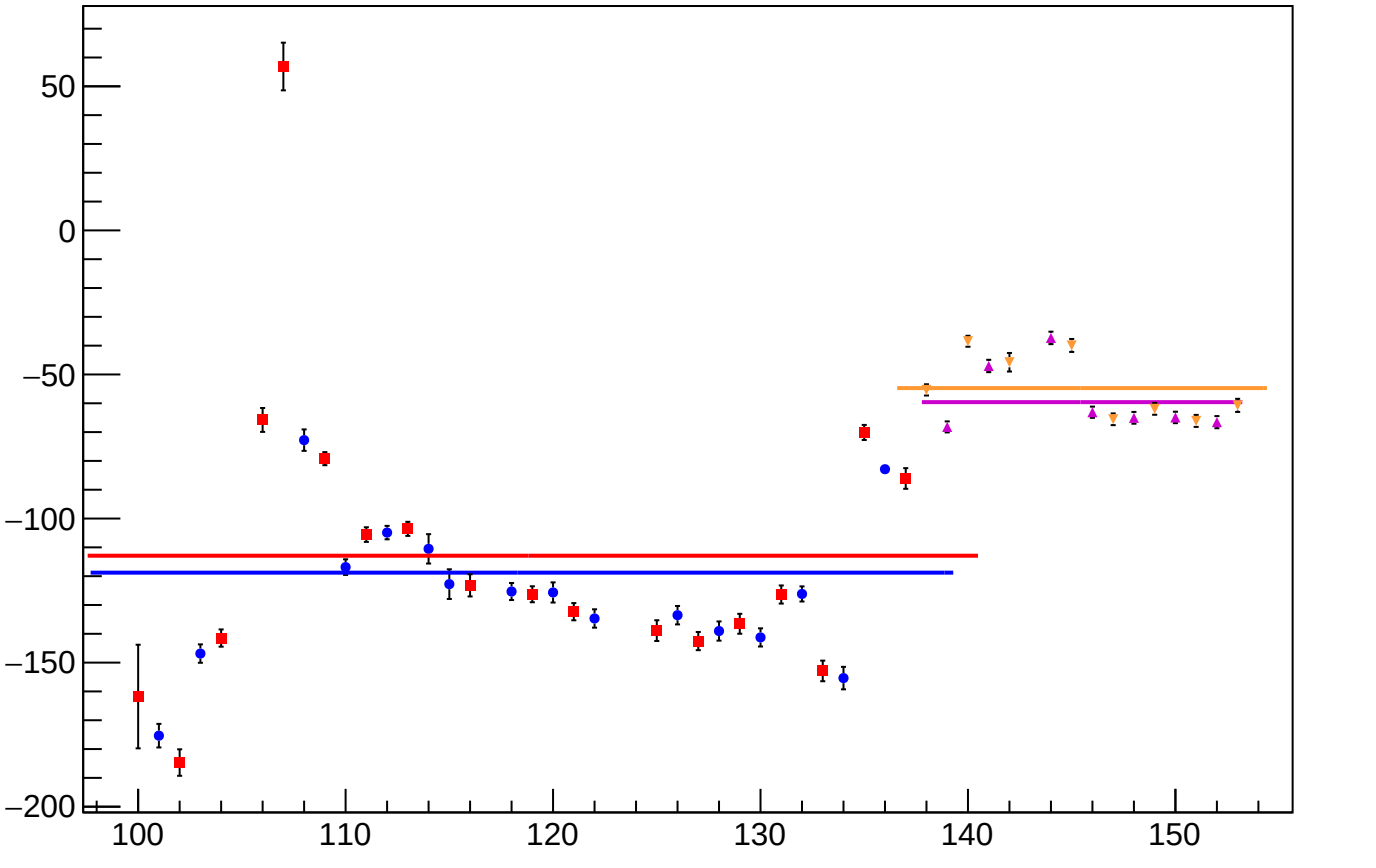
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.642+/-0.530 χ^2/NDF:62.2/6

\+ sign 0.815+/-0.414 χ^2/NDF: 284.9/23

All: 0.674+/-0.297 χ^2/NDF: 468.2/48

\- sign 0.525+/-0.426 χ^2/NDF: 183.1/24



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -54.730+/-0.759 χ^2/NDF:201.3/7

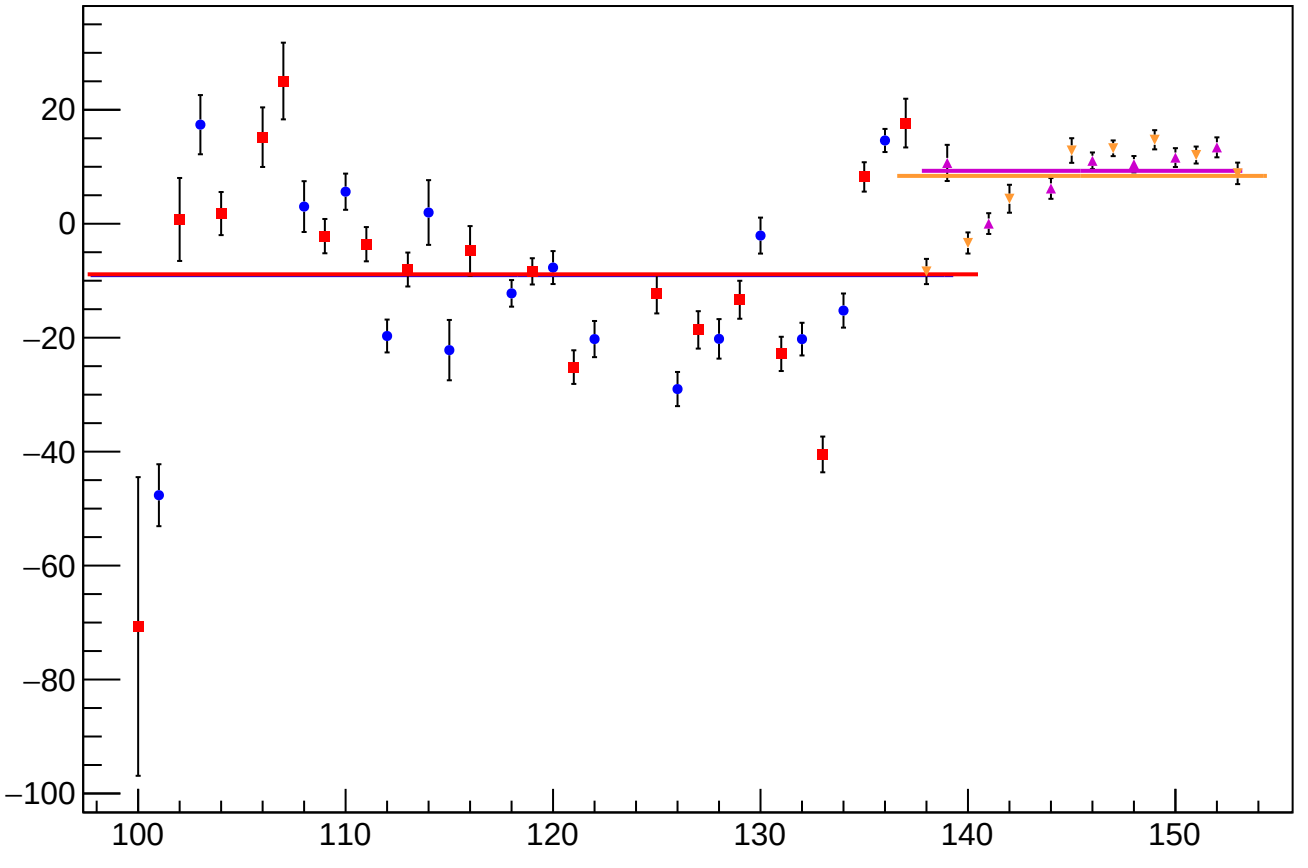
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.605+/-0.771 χ^2/NDF:188.5/6

\+ sign -86.859+/-0.536 χ^2/NDF: 4890.0/23

All: -86.728+/-0.381 χ^2/NDF: 9362.4/48

\- sign -86.595+/-0.542 χ^2/NDF: 4472.3/24



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.398+/-0.634 χ^2/NDF:137.4/7

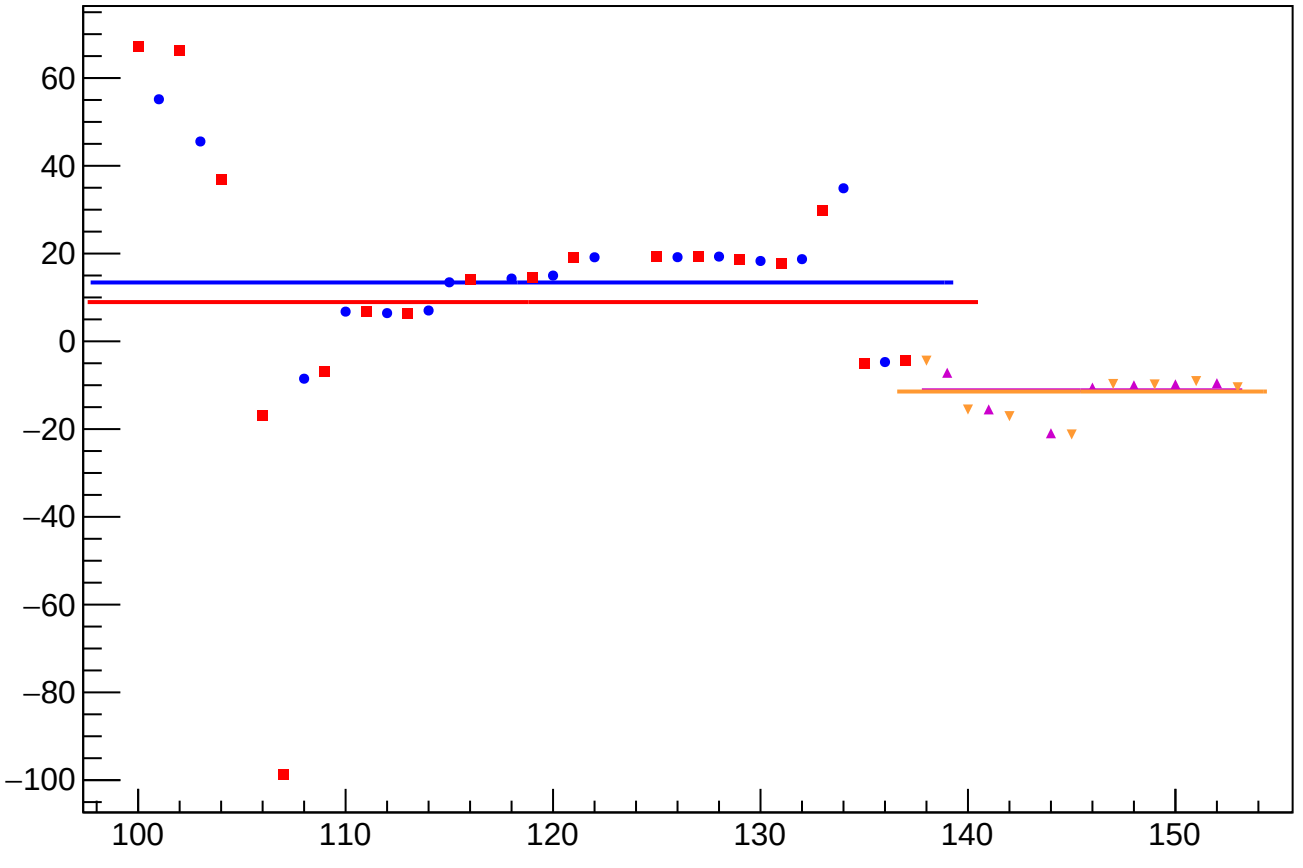
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 9.289+/-0.653 χ^2/NDF:38.4/6

+ sign 1.632+/-0.496 χ^2/NDF: 788.5/23

All: 1.877+/-0.355 χ^2/NDF: 1450.8/48

- sign 2.136+/-0.509 χ^2/NDF: 661.8/24



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.439+/-0.031 χ^2/NDF:26457.8/7

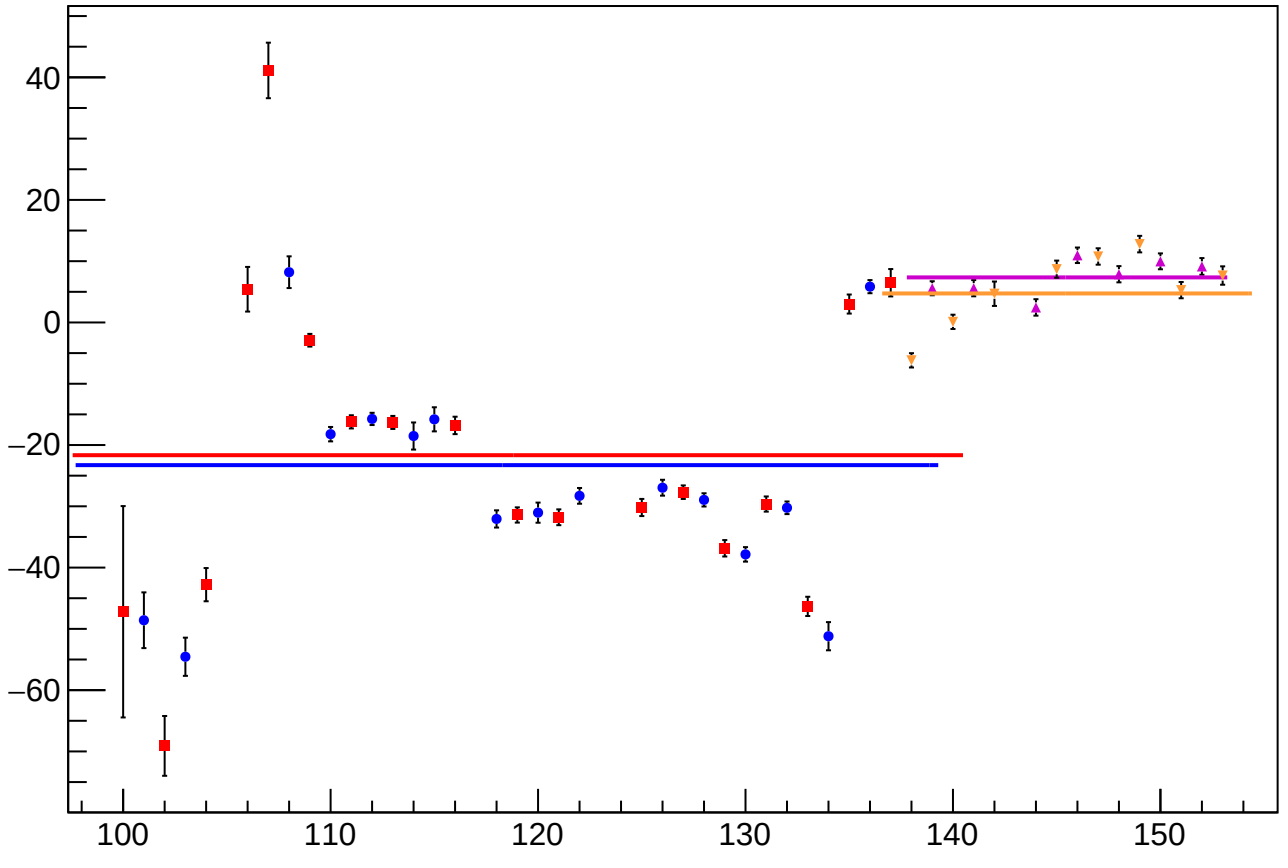
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.160+/-0.031 χ^2/NDF:17105.6/6

+ sign -3.648+/-0.025 χ^2/NDF: 416932.7/23

All: -4.440+/-0.018 χ^2/NDF: 854174.2/48

- sign -5.254+/-0.026 χ^2/NDF: 435263.1/24



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 4.735+/-0.479 χ^2/NDF:171.2/7

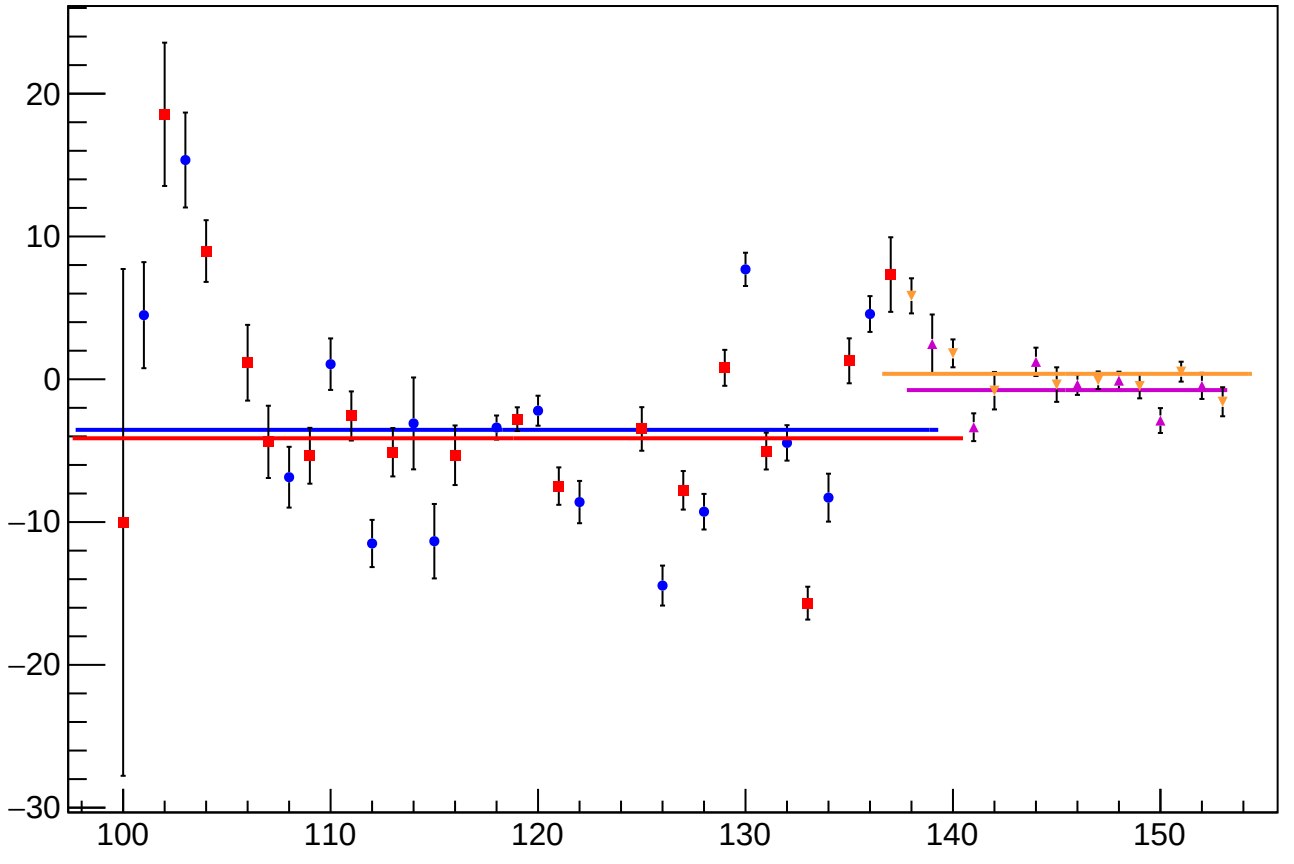
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.354+/-0.487 χ^2/NDF:31.6/6

+ sign -13.522+/-0.283 χ^2/NDF: 3966.1/23

All: -12.695+/-0.200 χ^2/NDF: 8183.2/48

- sign -11.869+/-0.283 χ^2/NDF: 4200.0/24



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.381+/-0.316 χ^2/NDF:28.4/7

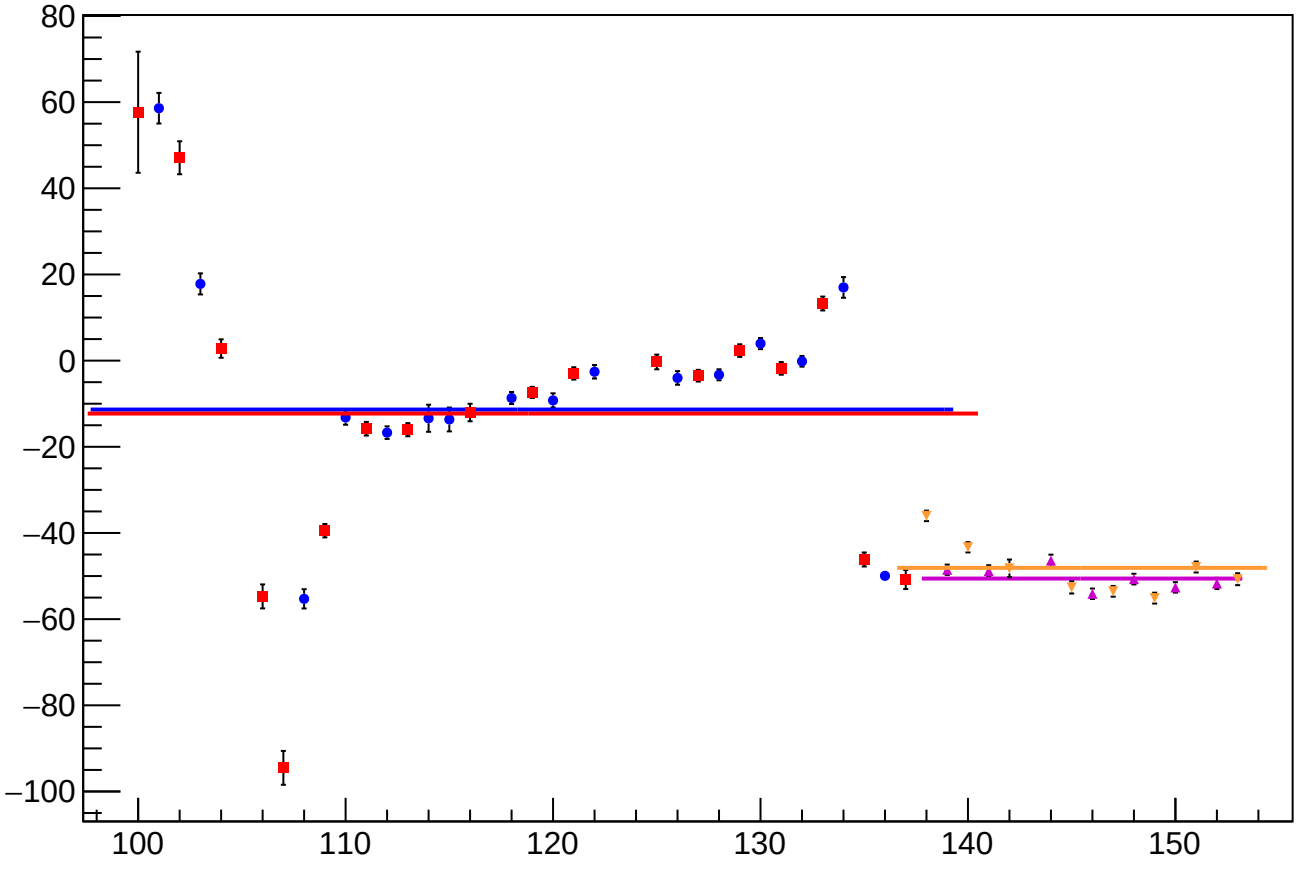
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.758+/-0.327 χ^2/NDF:21.1/6

+ sign -1.314+/-0.238 χ^2/NDF: 411.6/23

All: -1.762+/-0.171 χ^2/NDF: 713.9/48

- sign -2.235+/-0.245 χ^2/NDF: 295.1/24



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -48.095+/-0.471 χ^2/NDF:177.8/7

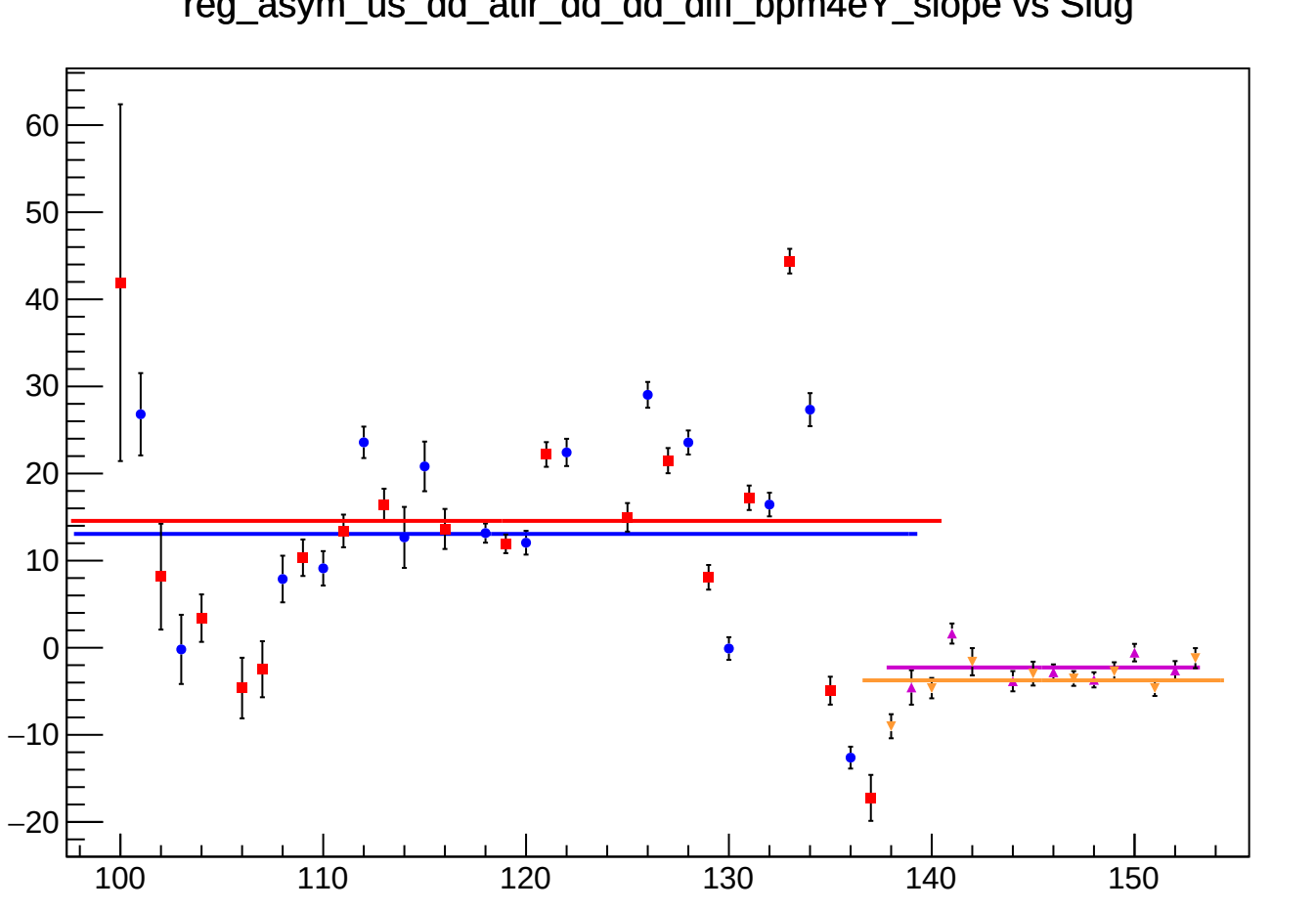
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.581+/-0.478 χ^2/NDF:25.8/6

\+ sign -27.017+/-0.307 χ^2/NDF: 6335.8/23

All: -27.826+/-0.219 χ^2/NDF: 12641.8/48

\- sign -28.662+/-0.313 χ^2/NDF: 6291.9/24



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.745+/-0.392 χ^2/NDF:24.3/7

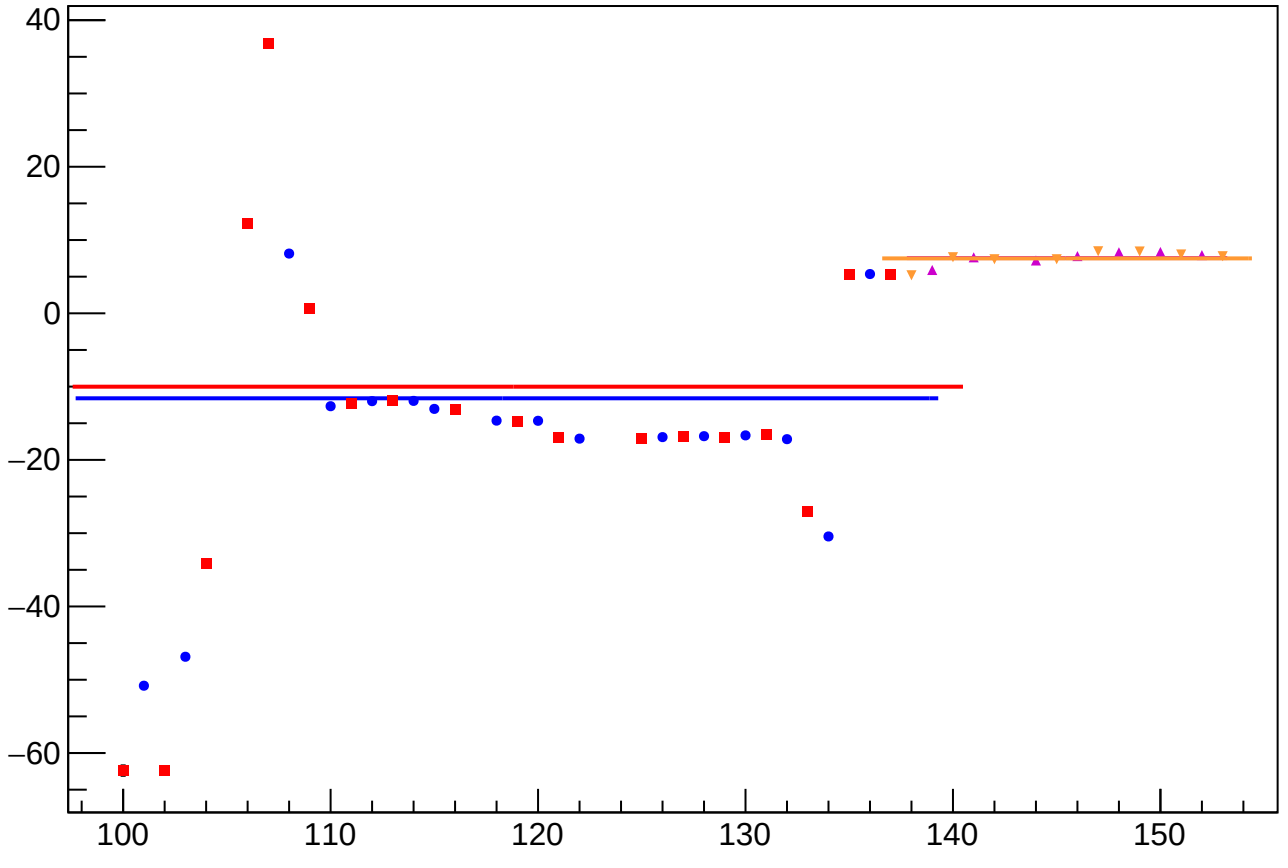
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.264+/-0.404 χ^2/NDF:20.6/6

\+ sign 4.183+/-0.285 χ^2/NDF: 1755.9/23

All: 4.956+/-0.204 χ^2/NDF: 3523.8/48

\- sign 5.769+/-0.292 χ^2/NDF: 1752.7/24



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.494+/-0.019 χ^2/NDF:3105.2/7

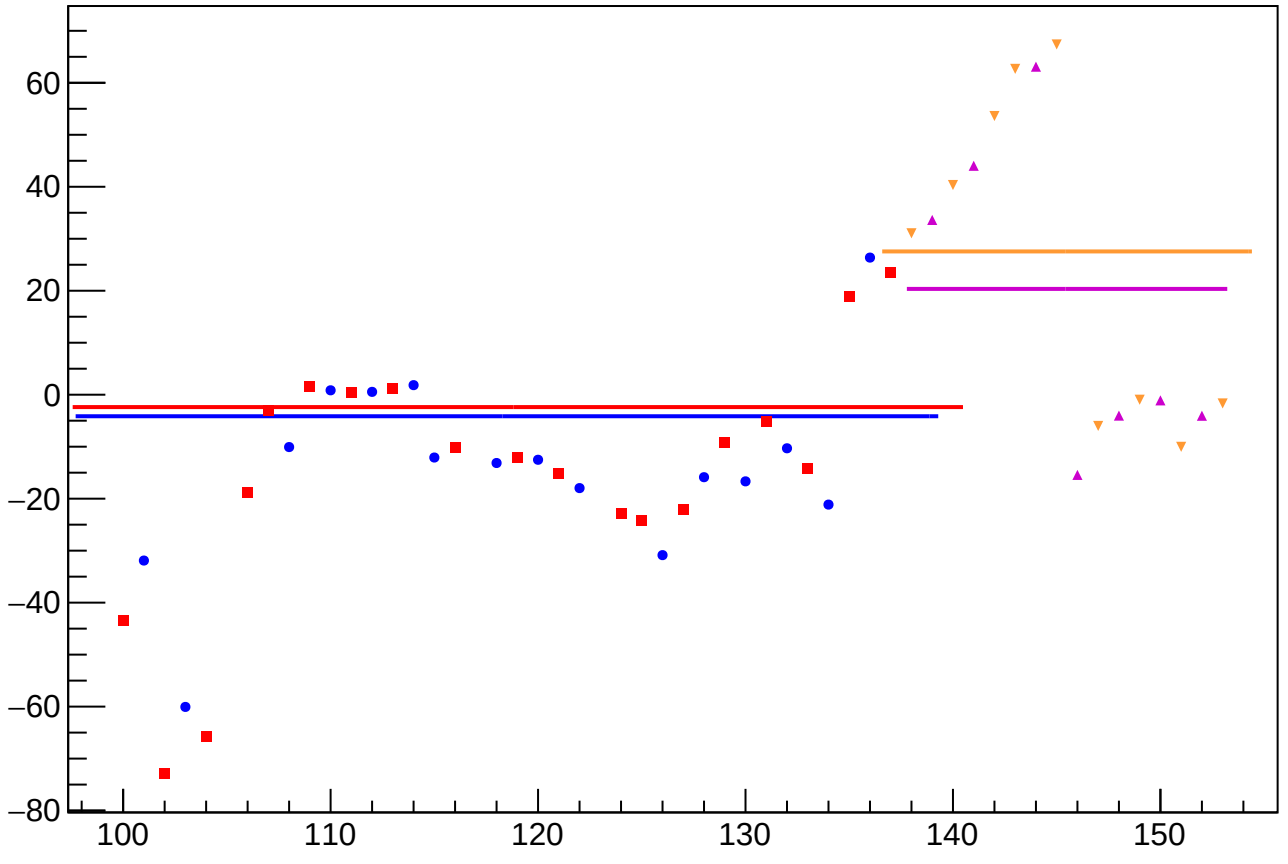
Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.540+/-0.019 χ^2/NDF:2130.0/6

\+ sign 0.971+/-0.015 χ^2/NDF: 710205.0/23

All: 1.418+/-0.011 χ^2/NDF: 1387392.1/48

\- sign 1.878+/-0.016 χ^2/NDF: 675472.1/24



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 27.561+/-0.092 χ^2/NDF:78897.0/8

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

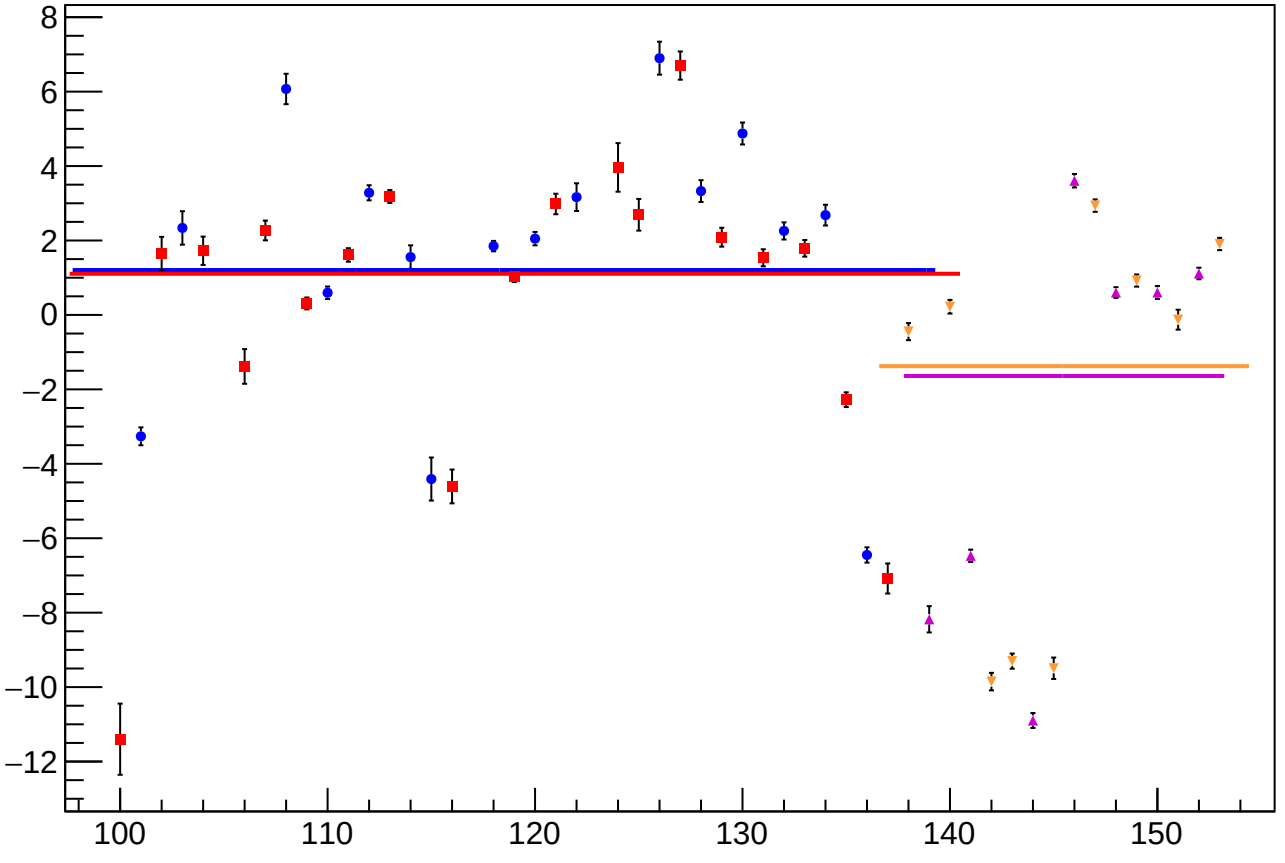
Left In: 20.353+/-0.094 χ^2/NDF:76942.2/6

+ sign 4.108+/-0.047 χ^2/NDF: 241678.5/24

All: 2.939+/-0.031 χ^2/NDF: 447621.3/50

- sign 2.033+/-0.041 χ^2/NDF: 204846.1/25

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -1.376+/-0.066 χ^2/NDF:4986.1/8

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

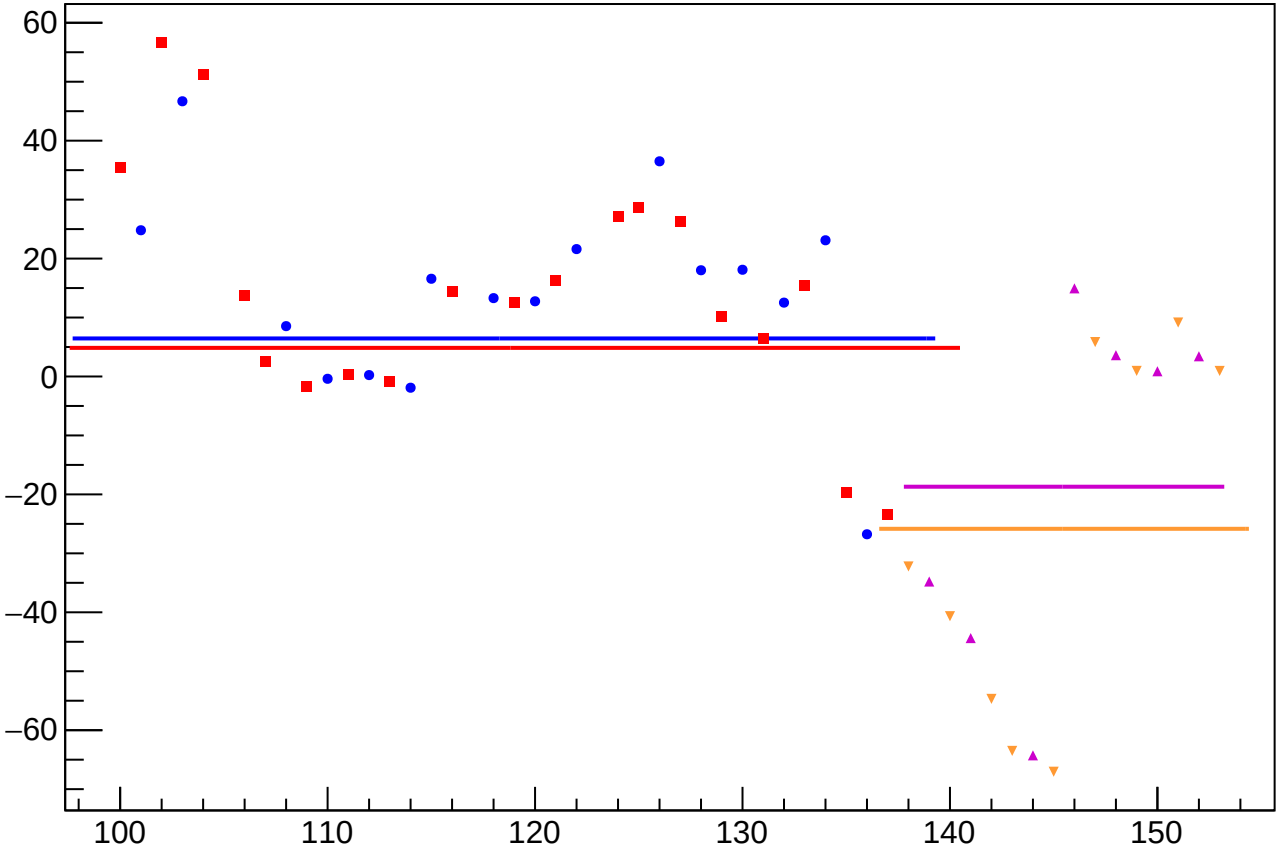
Left In: -1.641+/-0.067 χ^2/NDF:4871.1/6

+ sign 0.036+/-0.045 χ^2/NDF: 8398.0/24

All: -0.010+/-0.031 χ^2/NDF: 15830.1/50

- sign -0.053+/-0.044 χ^2/NDF: 7430.1/25

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -25.837+/-0.091 χ^2/NDF:82678.1/8

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

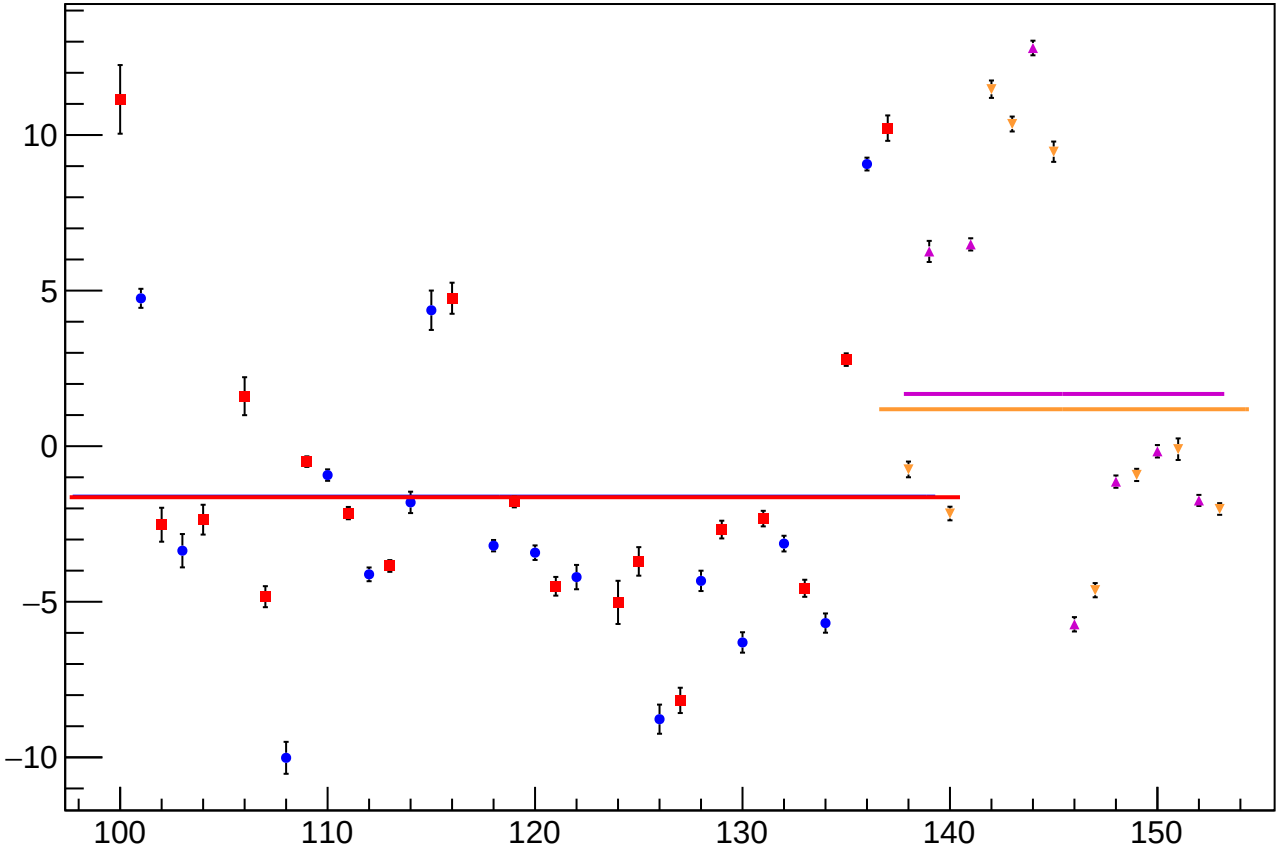
Left In: -18.698+/-0.092 χ^2/NDF:80077.3/6

+ sign -4.430+/-0.053 χ^2/NDF: 235984.3/24

All: -3.130+/-0.036 χ^2/NDF: 438485.4/50

- sign -1.985+/-0.050 χ^2/NDF: 201373.8/25

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 1.187+/-0.080 χ^2/NDF:4819.2/8

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

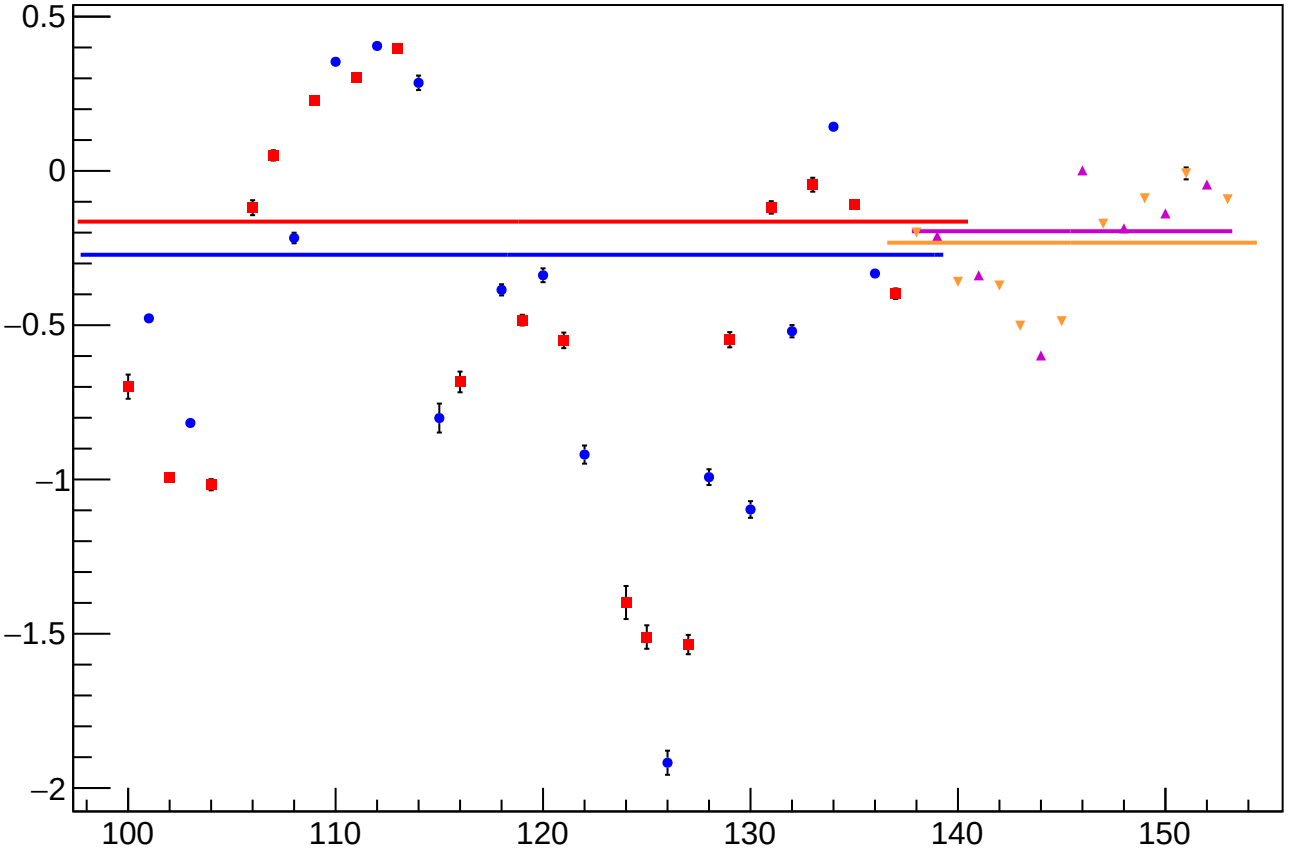
Left In: 1.679+/-0.081 χ^2/NDF:4695.2/6

+ sign -0.404+/-0.052 χ^2/NDF: 10050.8/24

All: -0.373+/-0.036 χ^2/NDF: 18240.0/50

- sign -0.345+/-0.050 χ^2/NDF: 8188.6/25

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.233+/-0.004 χ^2/NDF:1814.4/8

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

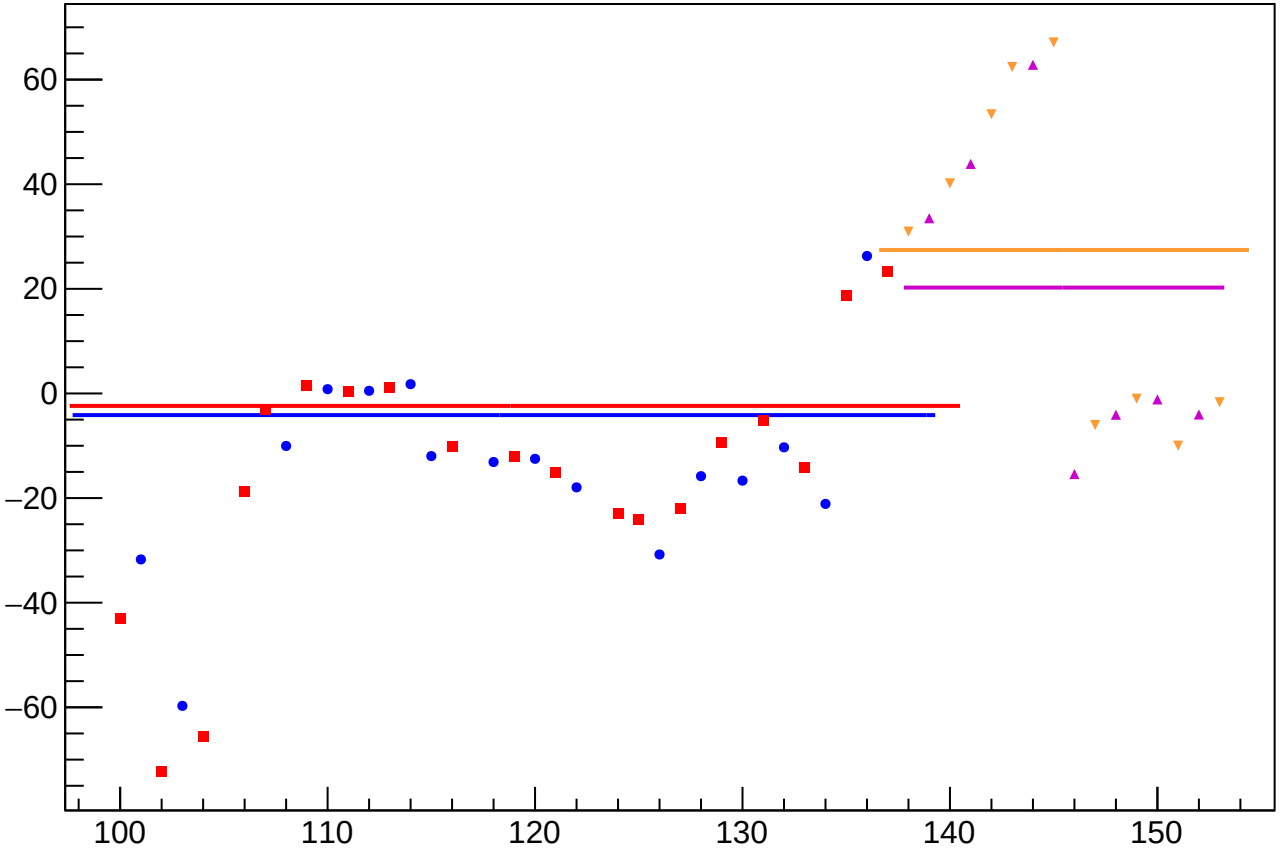
Left In: -0.195+/-0.004 χ^2/NDF:1921.6/6

+ sign -0.250+/-0.003 χ^2/NDF: 13912.9/24

All: -0.214+/-0.002 χ^2/NDF: 31698.6/50

- sign -0.181+/-0.003 χ^2/NDF: 17454.3/25

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 27.434+/-0.092 χ^2/NDF:78838.0/8

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

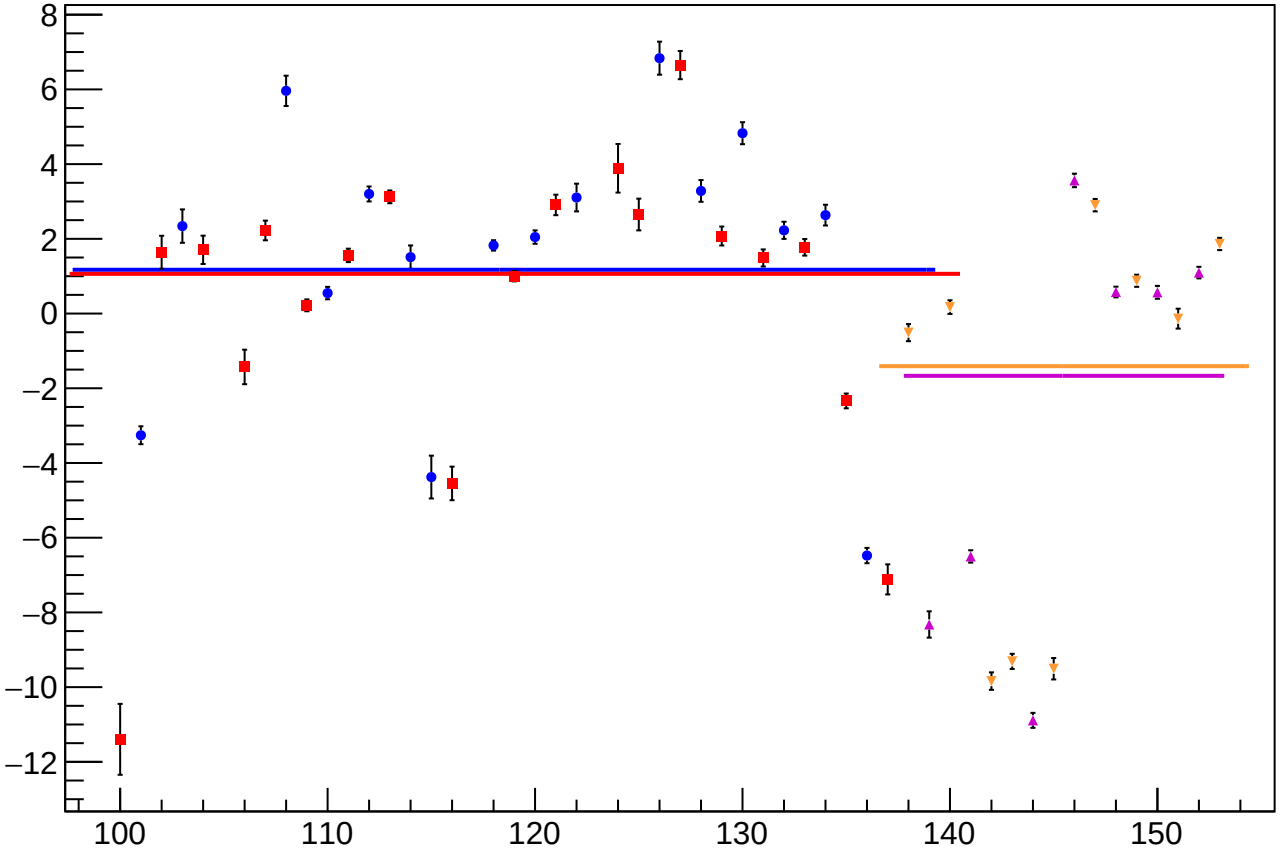
Left In: 20.240+/-0.094 χ^2/NDF:76963.0/6

+ sign 4.045+/-0.047 χ^2/NDF: 241570.6/24

All: 2.888+/-0.031 χ^2/NDF: 447347.5/50

- sign 1.992+/-0.041 χ^2/NDF: 204691.0/25

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -1.409+/-0.066 χ^2/NDF:4986.5/8

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

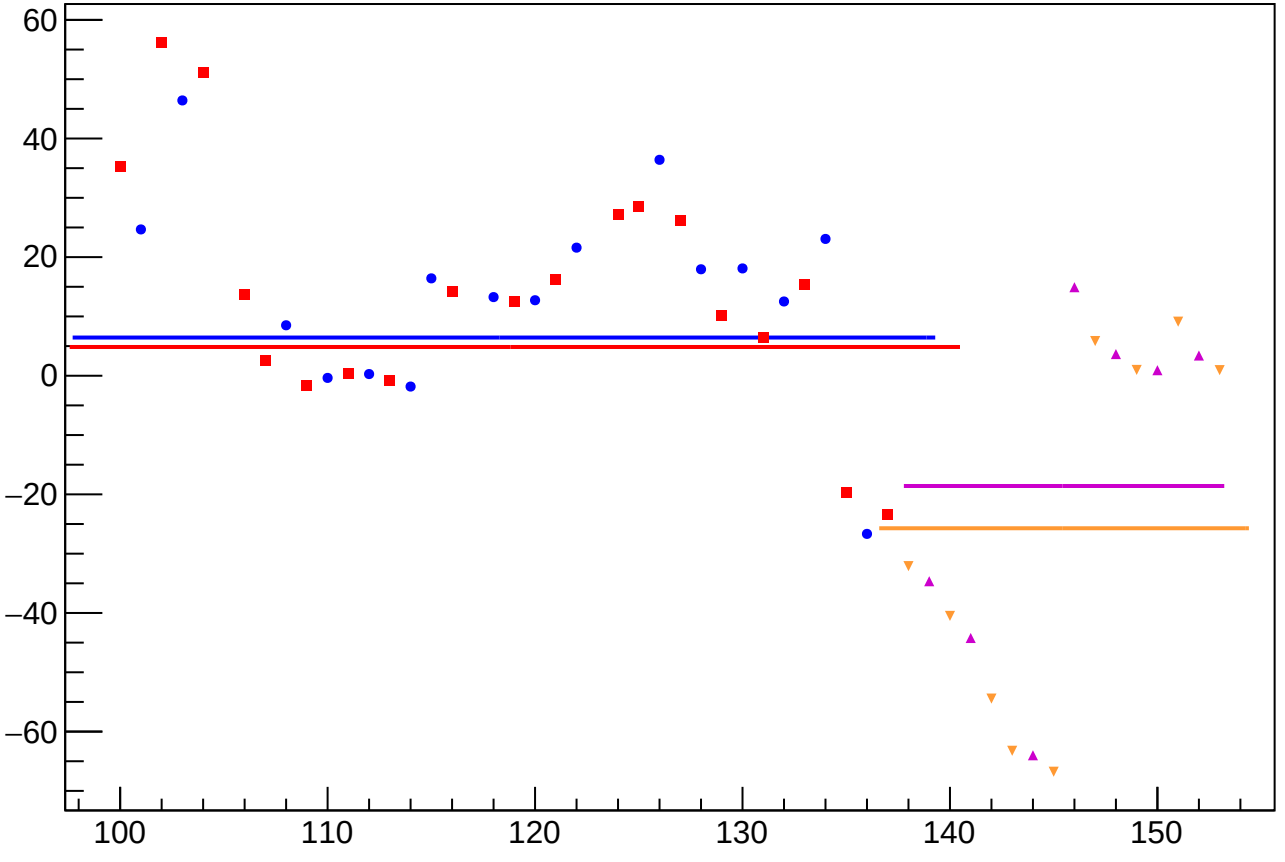
Left In: -1.667+/-0.067 χ^2/NDF:4897.4/6

+ sign 0.005+/-0.044 χ^2/NDF: 8404.7/24

All: -0.042+/-0.031 χ^2/NDF: 15868.8/50

- sign -0.087+/-0.043 χ^2/NDF: 7462.0/25

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -25.716+/-0.091 χ^2/NDF:82610.7/8

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

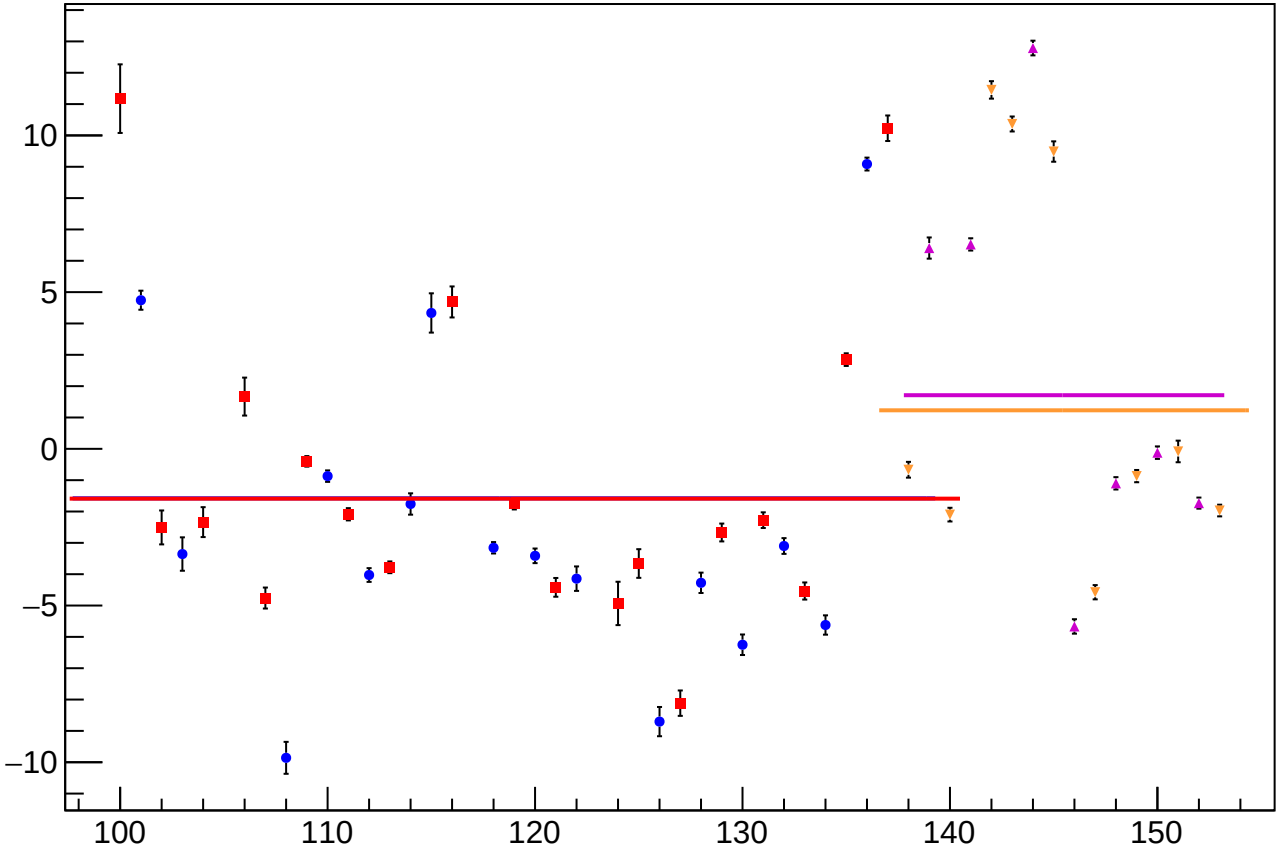
Left In: -18.590+/-0.092 χ^2/NDF:80086.7/6

+ sign -4.365+/-0.053 χ^2/NDF: 235869.5/24

All: -3.074+/-0.036 χ^2/NDF: 438203.6/50

- sign -1.937+/-0.050 χ^2/NDF: 201211.7/25

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 1.229+/-0.079 χ^2/NDF:4813.5/8

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

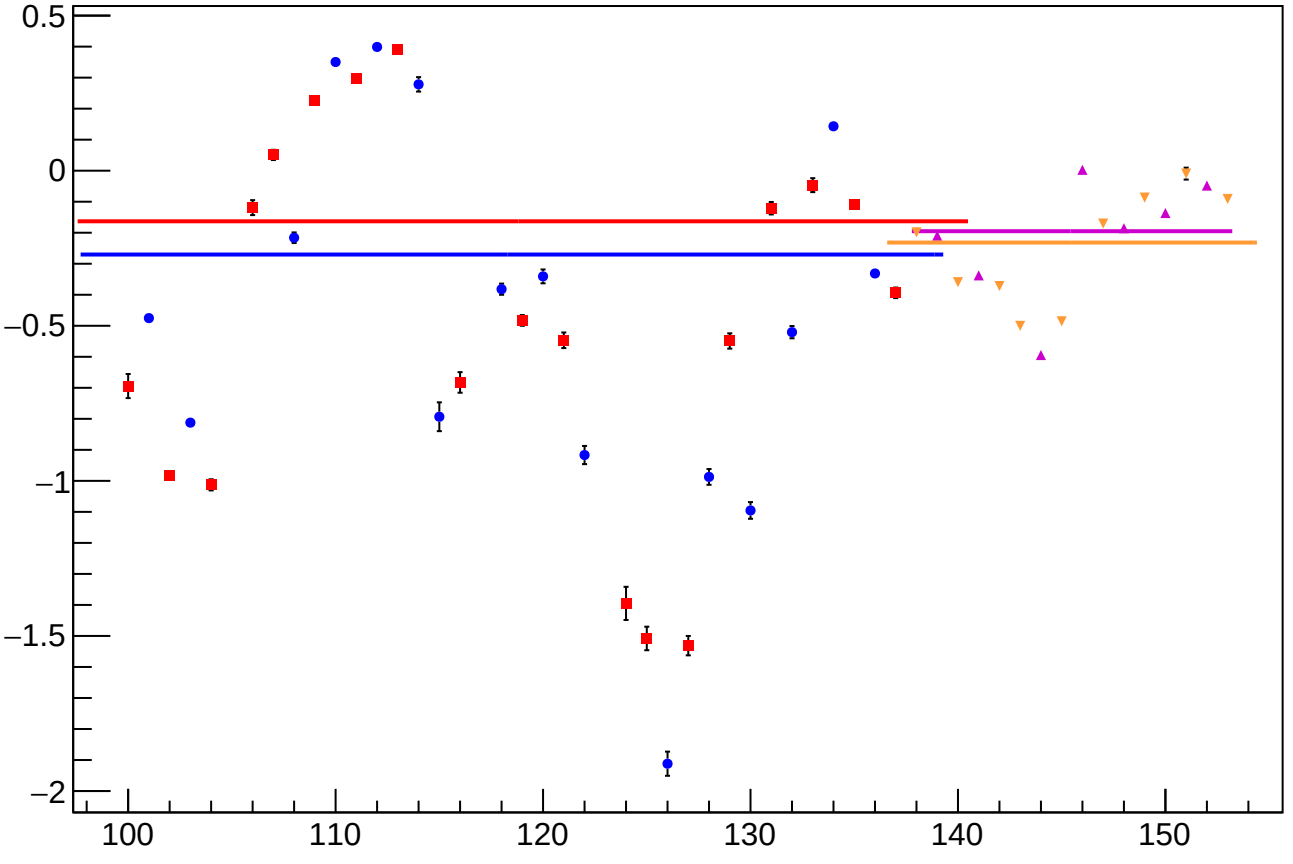
Left In: 1.711+/-0.080 χ^2/NDF:4717.6/6

+ sign -0.365+/-0.052 χ^2/NDF: 10050.1/24

All: -0.333+/-0.036 χ^2/NDF: 18268.9/50

- sign -0.303+/-0.050 χ^2/NDF: 8218.0/25

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.232+/-0.004 χ^2/NDF:1827.0/8

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

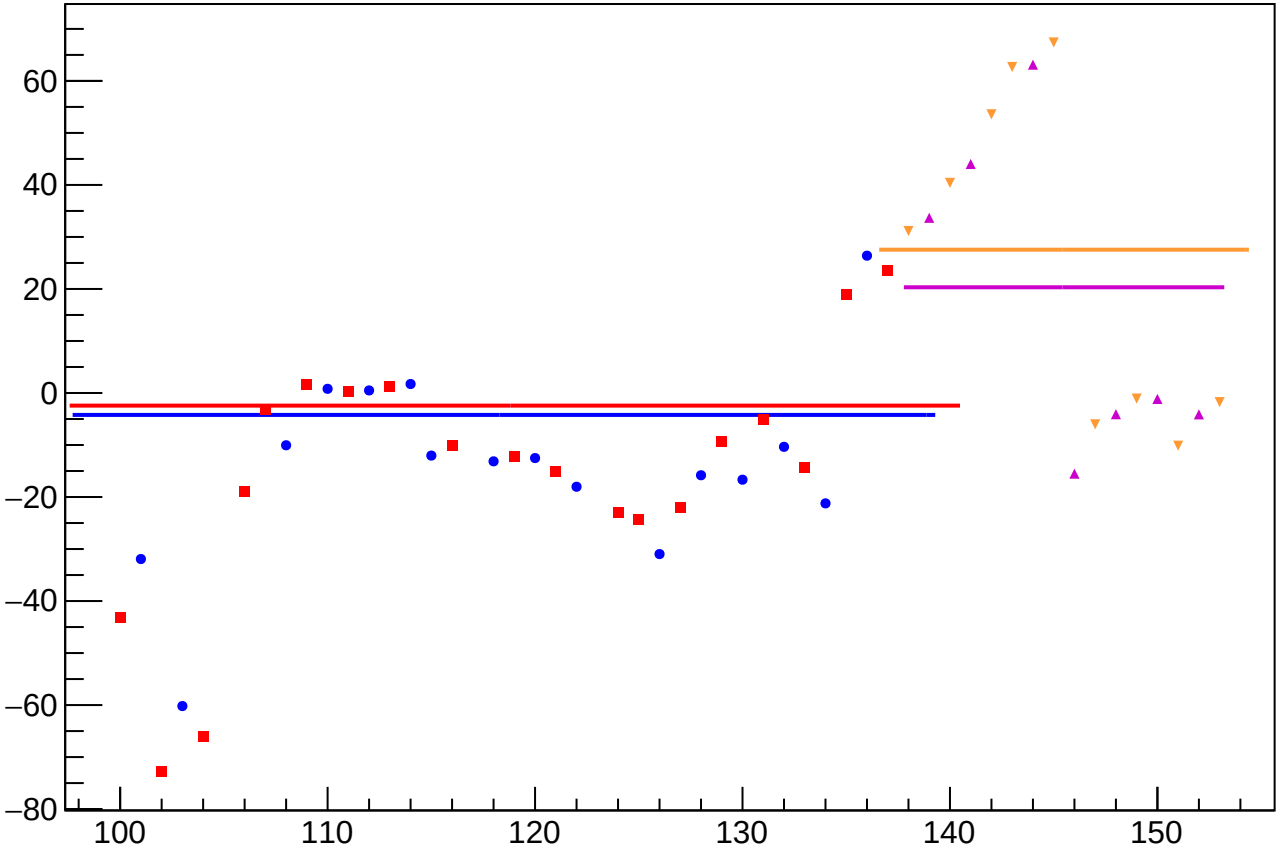
Left In: -0.195+/-0.004 χ^2/NDF:1895.8/6

+ sign -0.248+/-0.003 χ^2/NDF: 13912.6/24

All: -0.213+/-0.002 χ^2/NDF: 31687.4/50

- sign -0.180+/-0.003 χ^2/NDF: 17443.6/25

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 27.552+/-0.092 χ^2/NDF:79055.7/8

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

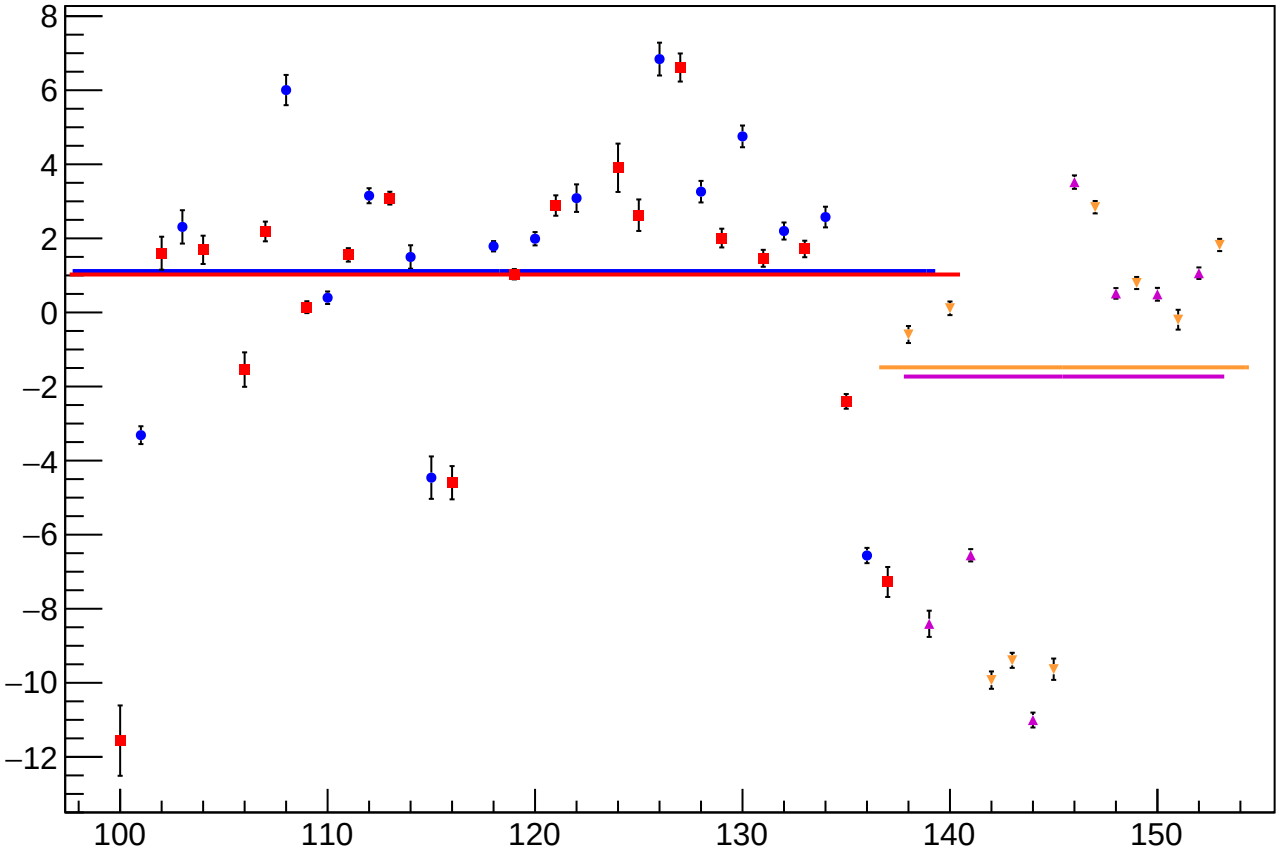
Left In: 20.324+/-0.094 χ^2/NDF:77041.8/6

+ sign 4.048+/-0.047 χ^2/NDF: 241964.7/24

All: 2.890+/-0.031 χ^2/NDF: 447939.5/50

- sign 1.990+/-0.041 χ^2/NDF: 204898.0/25

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -1.482+/-0.066 χ^2/NDF:4977.2/8

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

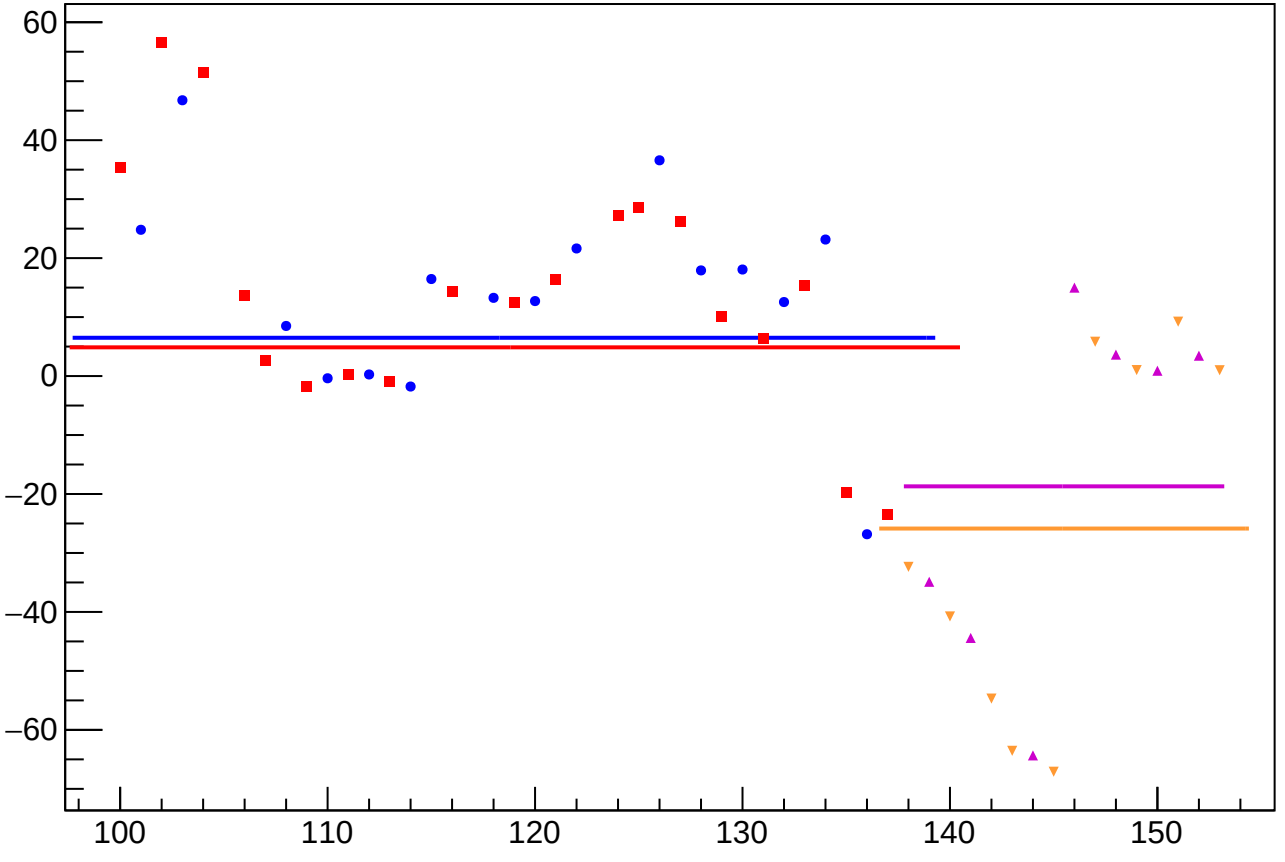
Left In: -1.731+/-0.067 χ^2/NDF:4888.2/6

+ sign -0.059+/-0.045 χ^2/NDF: 8407.1/24

All: -0.099+/-0.031 χ^2/NDF: 15885.5/50

- sign -0.137+/-0.044 χ^2/NDF: 7476.8/25

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -25.858+/-0.092 χ^2/NDF:82857.2/8

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

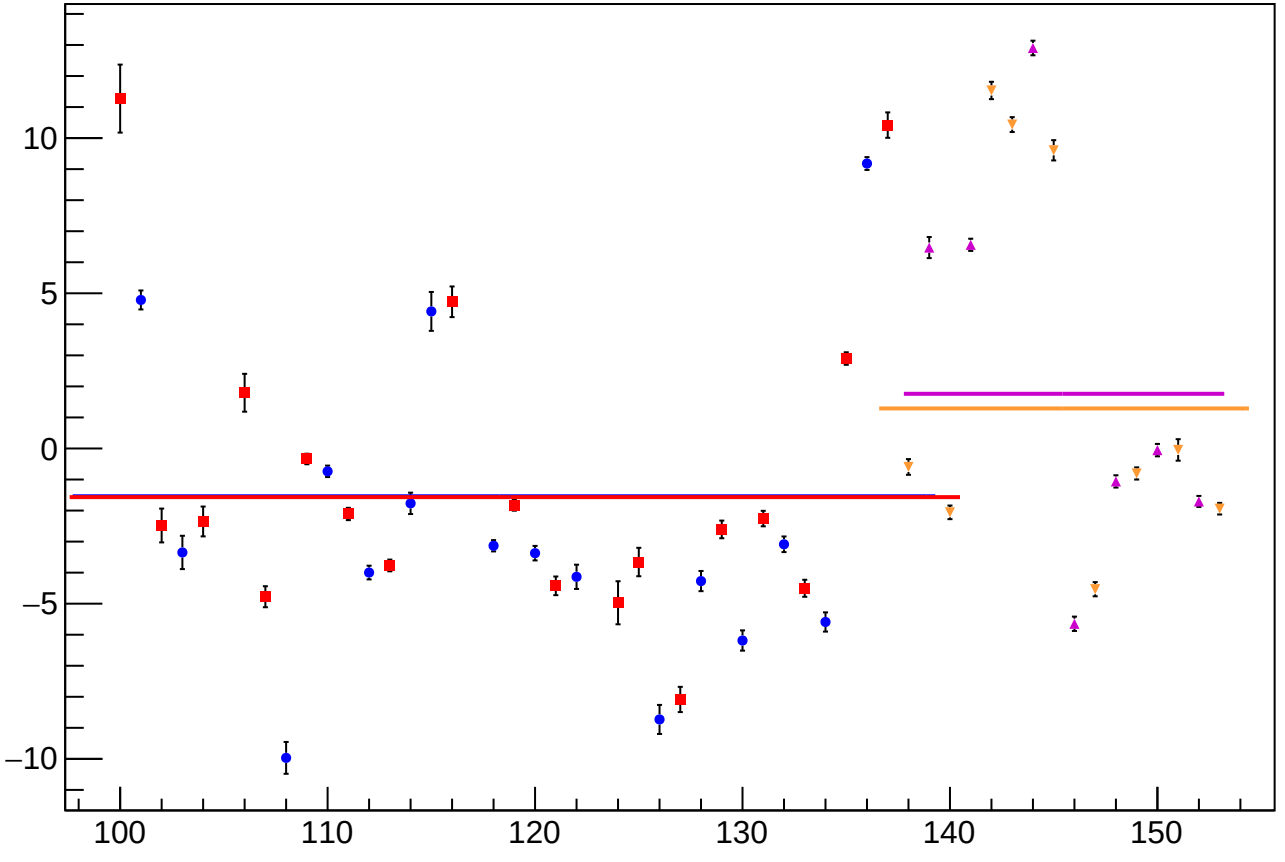
Left In: -18.702+/-0.093 χ^2/NDF:80180.1/6

+ sign -4.399+/-0.053 χ^2/NDF: 236298.2/24

All: -3.110+/-0.036 χ^2/NDF: 438874.7/50

- sign -1.973+/-0.050 χ^2/NDF: 201467.7/25

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 1.290+/-0.080 χ^2/NDF:4805.2/8

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

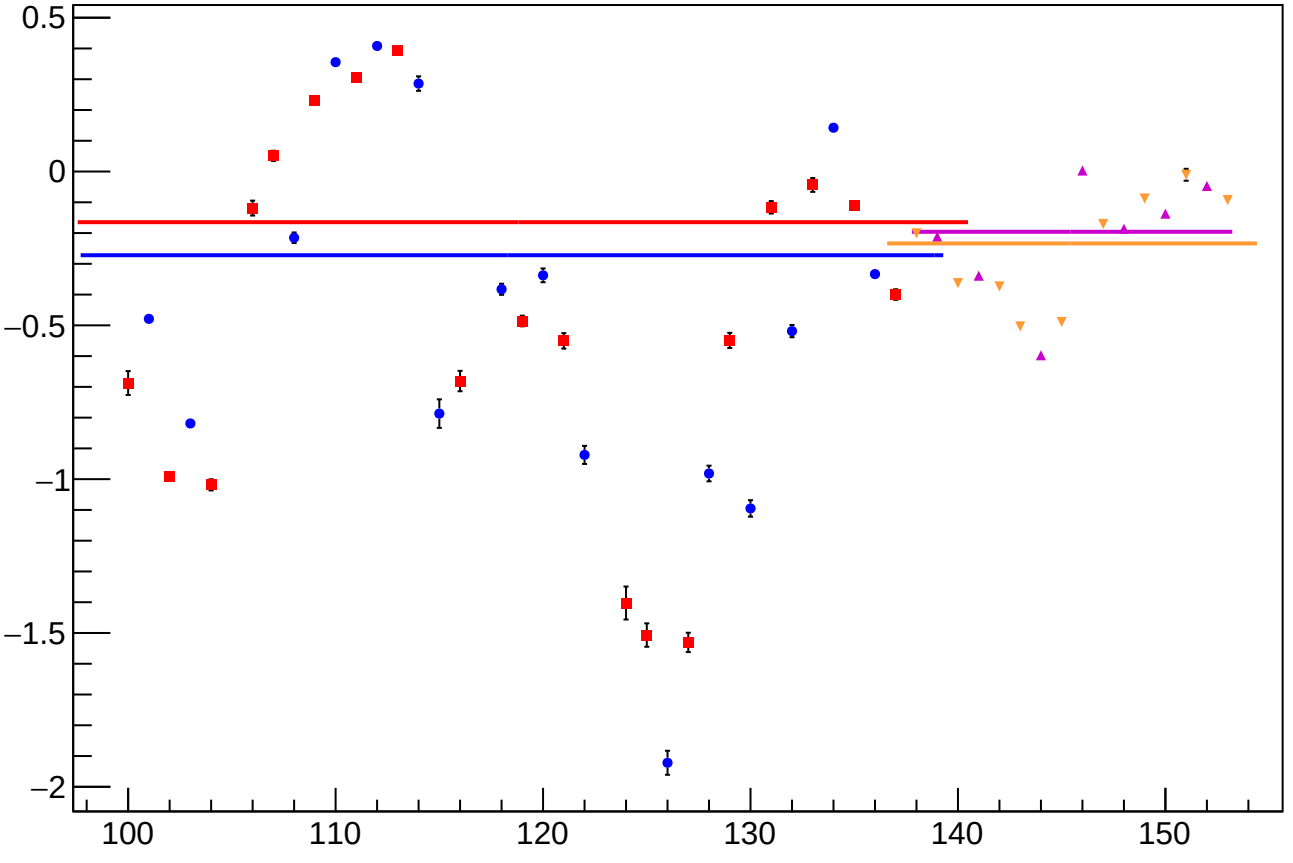
Left In: 1.762+/-0.081 χ^2/NDF:4713.5/6

+ sign -0.315+/-0.052 χ^2/NDF: 10057.3/24

All: -0.291+/-0.036 χ^2/NDF: 18304.4/50

- sign -0.269+/-0.050 χ^2/NDF: 8246.7/25

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.234+/-0.004 χ^2/NDF:1830.8/8

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

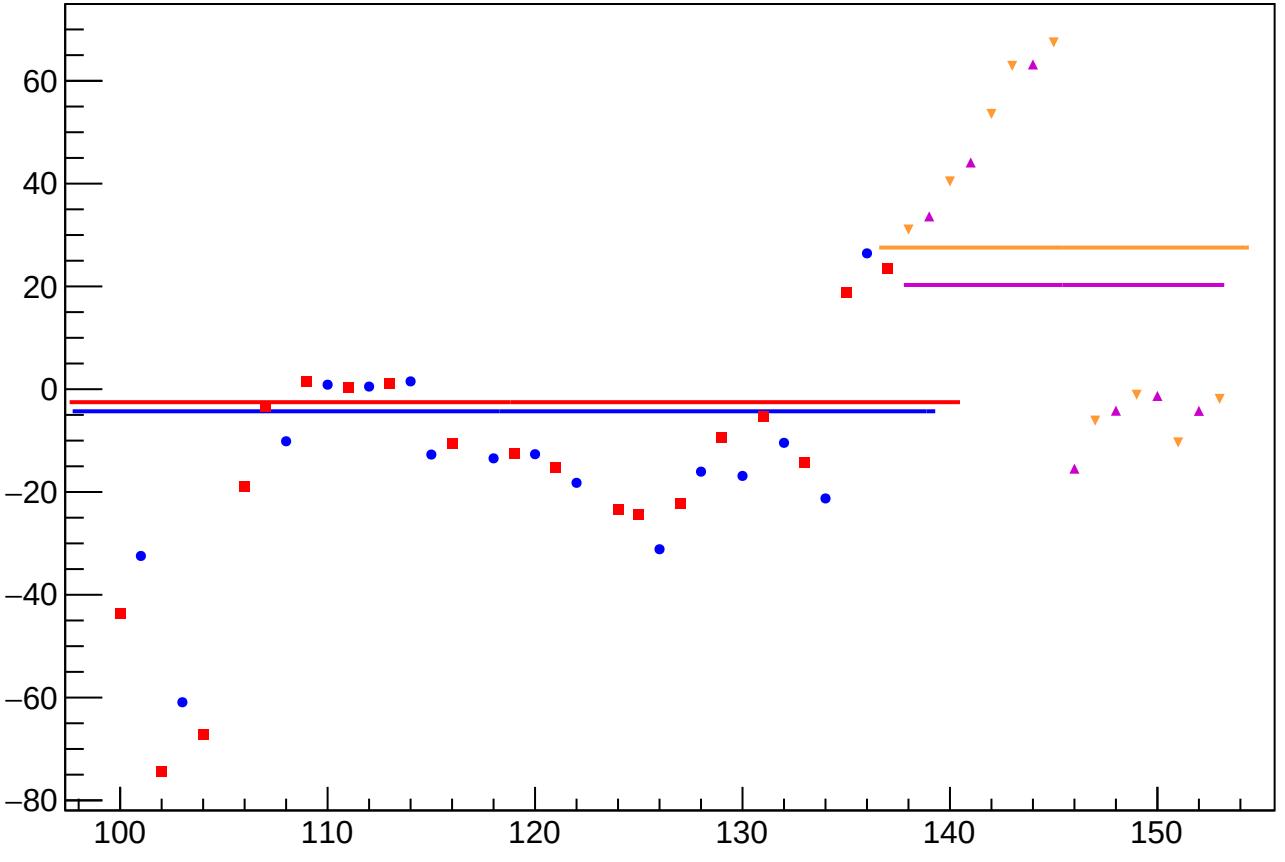
Left In: -0.196+/-0.004 χ^2/NDF:1904.1/6

+ sign -0.250+/-0.003 χ^2/NDF: 13942.5/24

All: -0.214+/-0.002 χ^2/NDF: 31707.6/50

- sign -0.181+/-0.003 χ^2/NDF: 17430.3/25

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 27.563+/-0.093 χ^2/NDF:78051.9/8

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

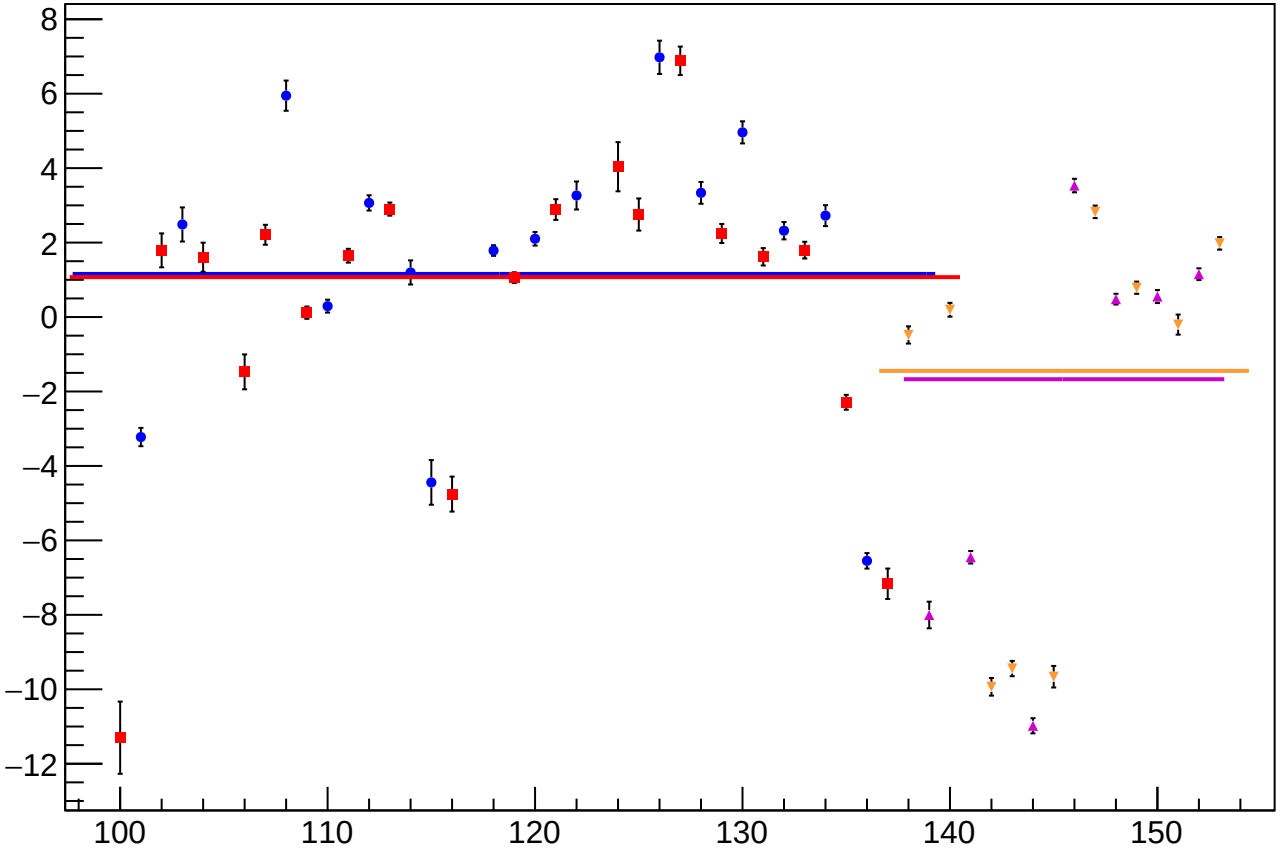
Left In: 20.280+/-0.095 χ^2/NDF:75950.9/6

+ sign 4.102+/-0.048 χ^2/NDF: 238402.3/24

All: 2.918+/-0.032 χ^2/NDF: 441495.8/50

- sign 1.991+/-0.042 χ^2/NDF: 202000.3/25

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -1.446+/-0.067 χ^2/NDF:4951.9/8

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

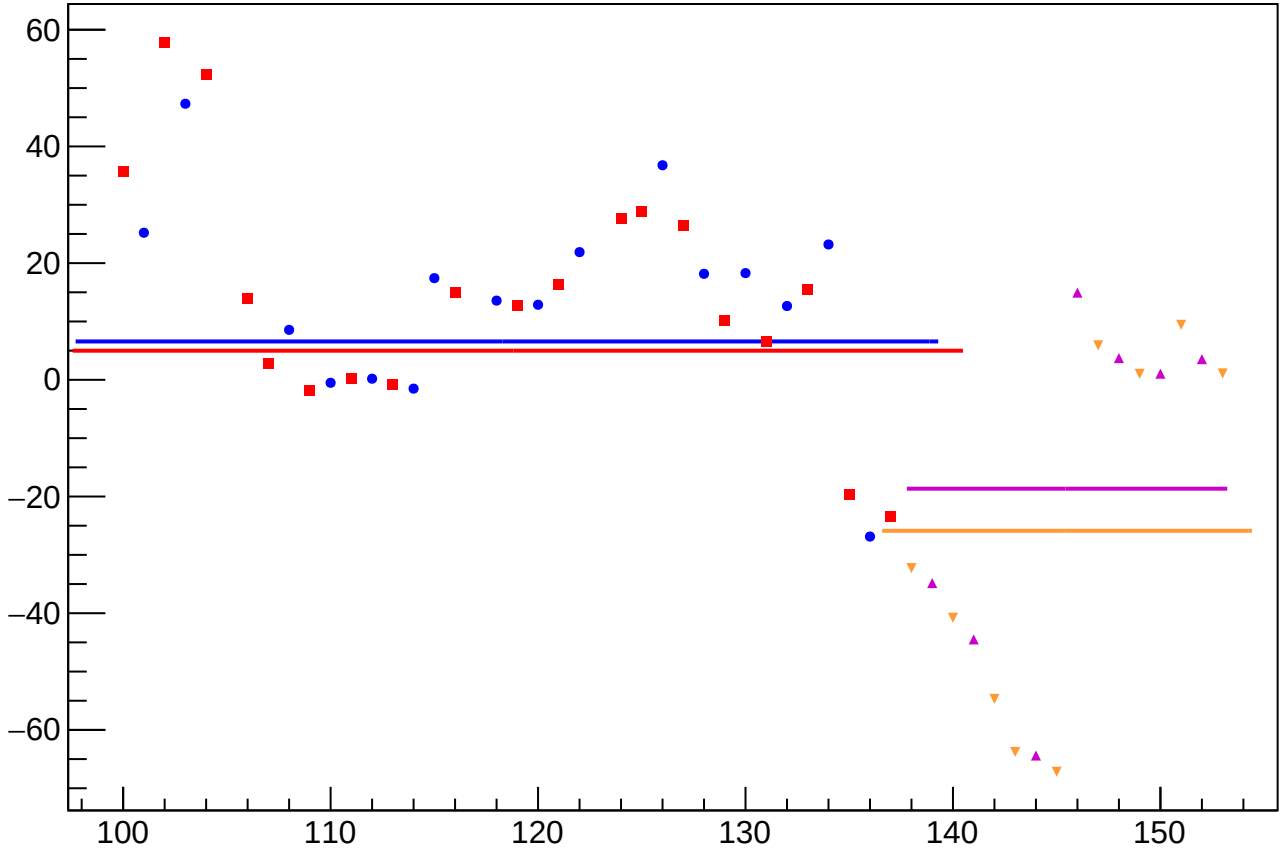
Left In: -1.670+/-0.068 χ^2/NDF:4741.7/6

+ sign -0.032+/-0.045 χ^2/NDF: 8320.6/24

All: -0.065+/-0.032 χ^2/NDF: 15555.8/50

- sign -0.096+/-0.044 χ^2/NDF: 7234.2/25

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -25.870+/-0.092 χ^2/NDF:81760.9/8

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

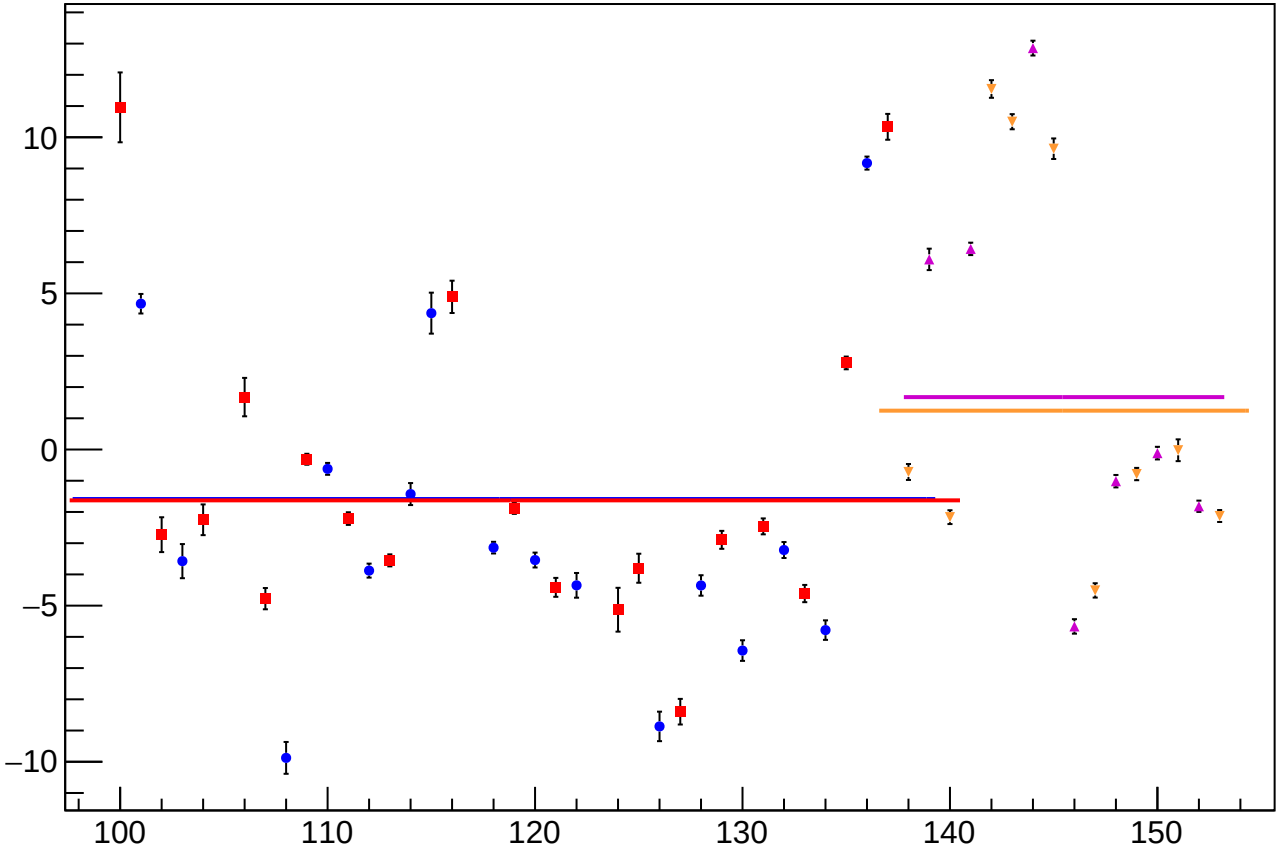
Left In: -18.657+/-0.094 χ^2/NDF:79017.7/6

+ sign -4.465+/-0.054 χ^2/NDF: 232778.0/24

All: -3.142+/-0.037 χ^2/NDF: 432499.6/50

- sign -1.971+/-0.051 χ^2/NDF: 198587.4/25

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 1.244+/-0.080 χ^2/NDF:4791.3/8

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

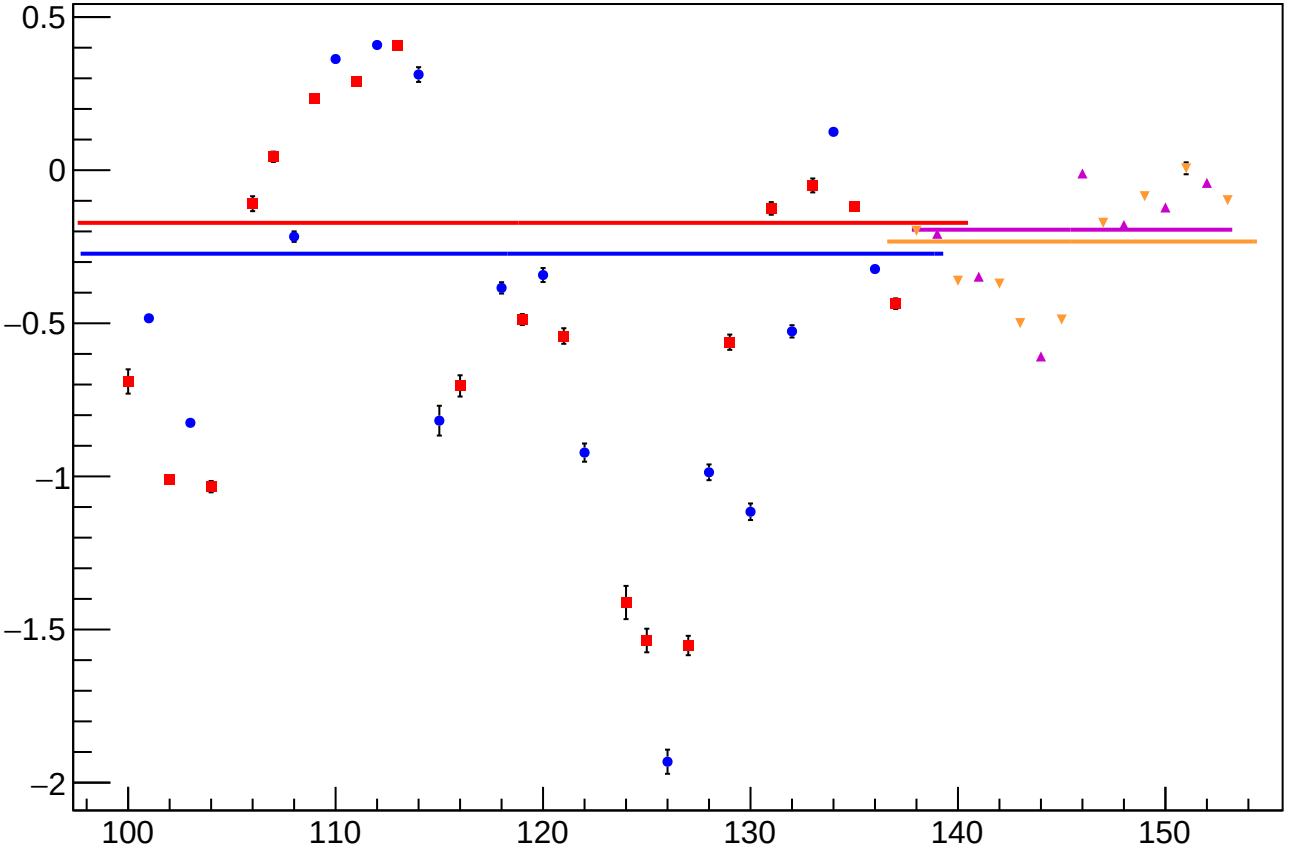
Left In: 1.678+/-0.082 χ^2/NDF:4581.5/6

+ sign -0.349+/-0.053 χ^2/NDF: 9961.9/24

All: -0.336+/-0.037 χ^2/NDF: 17960.2/50

- sign -0.324+/-0.051 χ^2/NDF: 7998.2/25

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.233+/-0.004 χ^2/NDF:1772.5/8

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

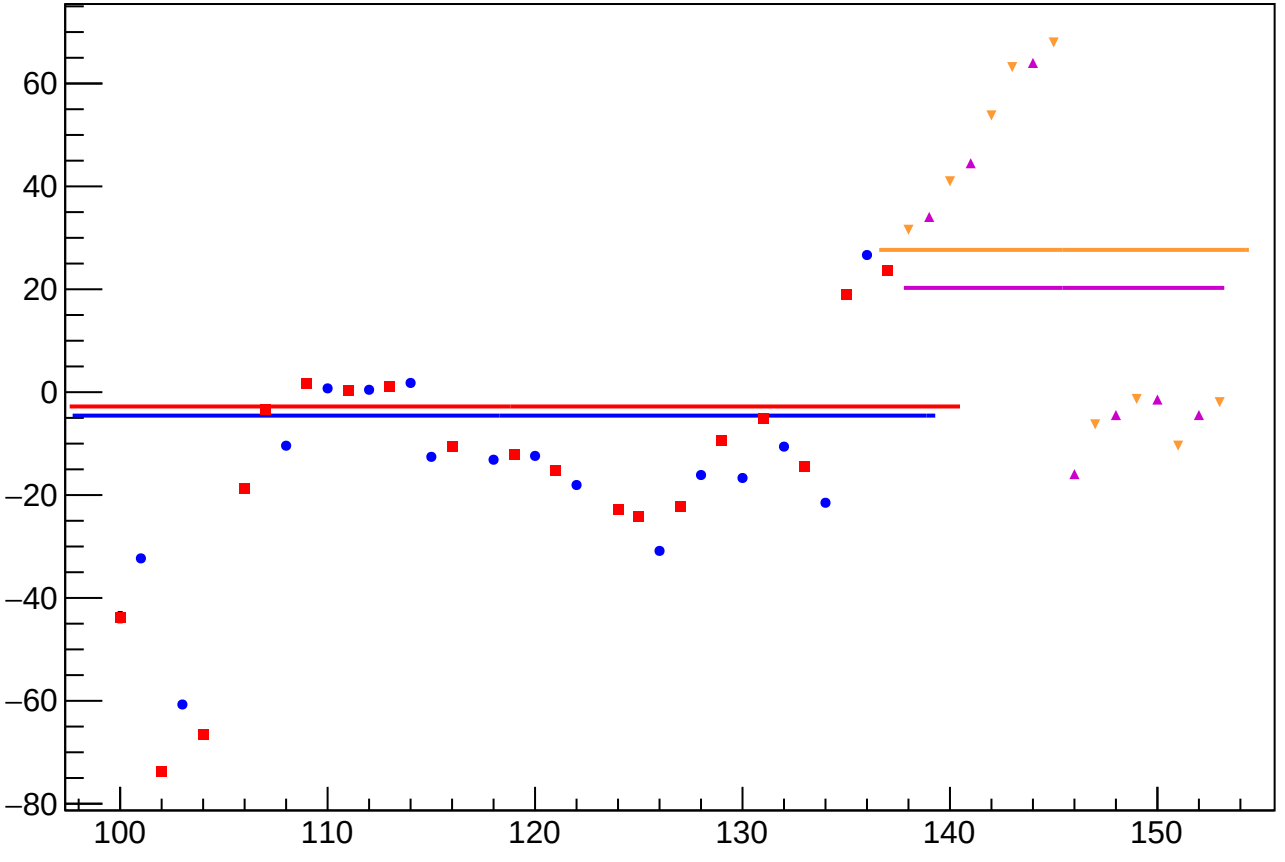
Left In: -0.194+/-0.004 χ^2/NDF:1970.0/6

+ sign -0.250+/-0.003 χ^2/NDF: 13679.3/24

All: -0.215+/-0.002 χ^2/NDF: 31288.5/50

- sign -0.184+/-0.003 χ^2/NDF: 17310.2/25

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 27.660+/-0.095 χ^2/NDF:77445.6/8

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

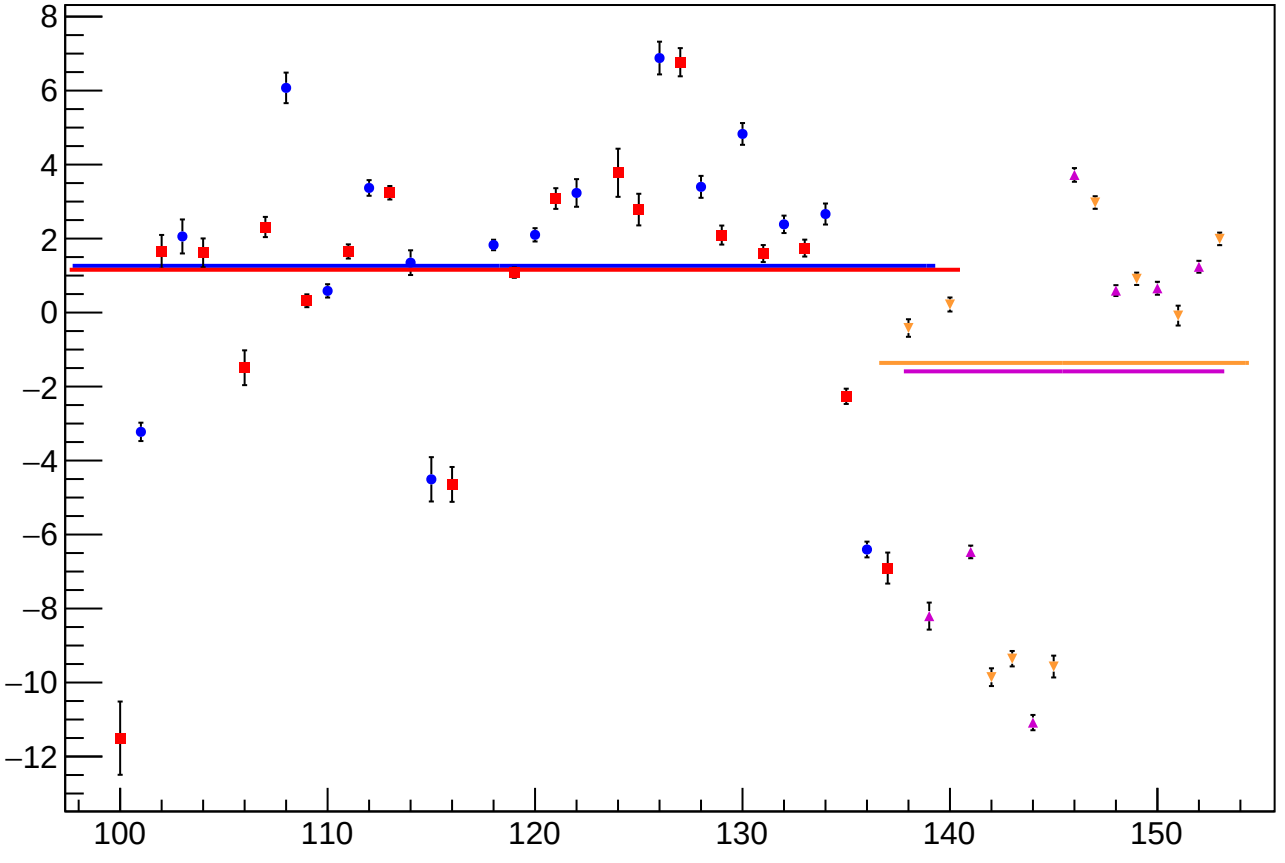
Left In: 20.271+/-0.097 χ^2/NDF:75774.3/6

+ sign 3.959+/-0.049 χ^2/NDF: 235116.4/24

All: 2.788+/-0.032 χ^2/NDF: 435294.6/50

- sign 1.861+/-0.043 χ^2/NDF: 199143.5/25

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -1.360+/-0.068 χ^2/NDF:4823.8/8

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

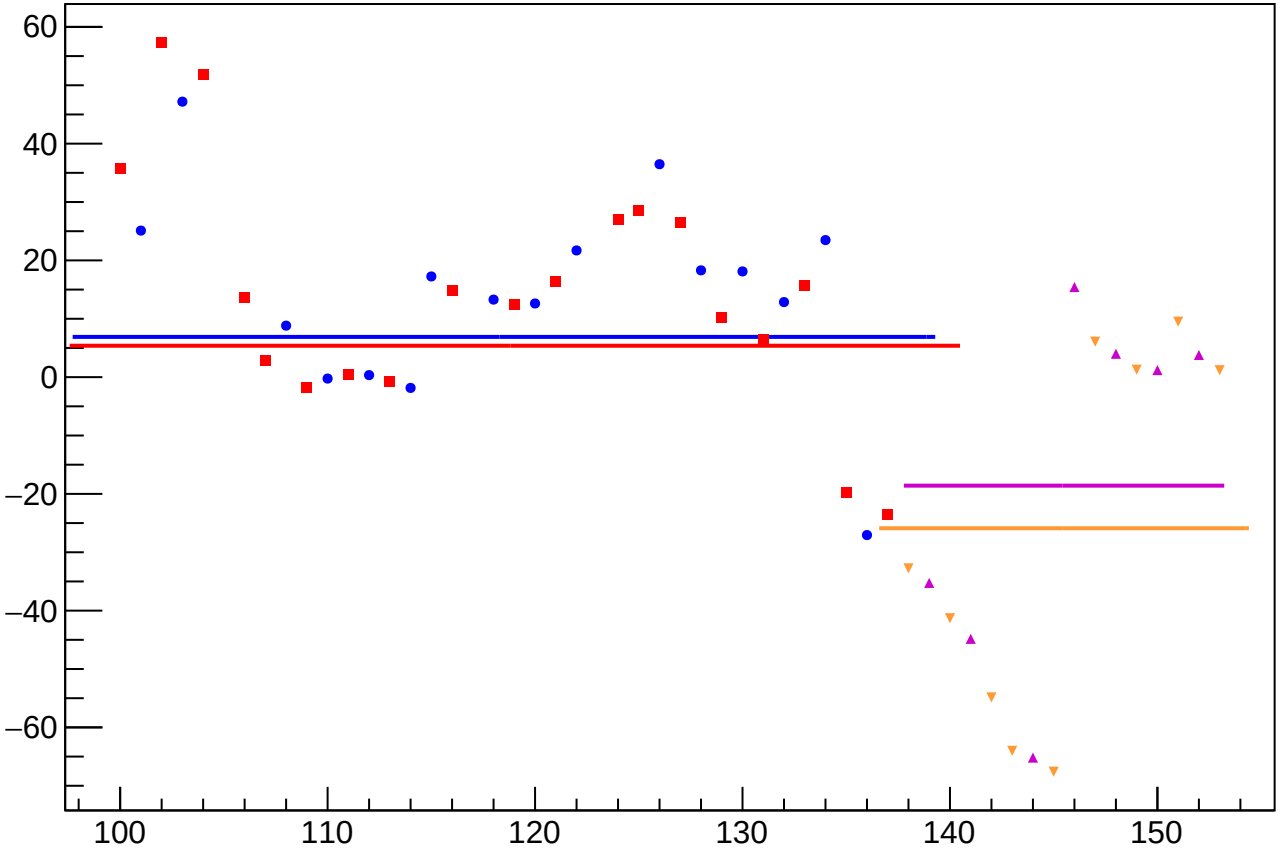
Left In: -1.589+/-0.069 χ^2/NDF:4765.5/6

+ sign 0.072+/-0.046 χ^2/NDF: 8080.0/24

All: 0.030+/-0.032 χ^2/NDF: 15255.7/50

- sign -0.010+/-0.045 χ^2/NDF: 7174.1/25

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -25.885+/-0.094 χ^2/NDF:81075.0/8

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

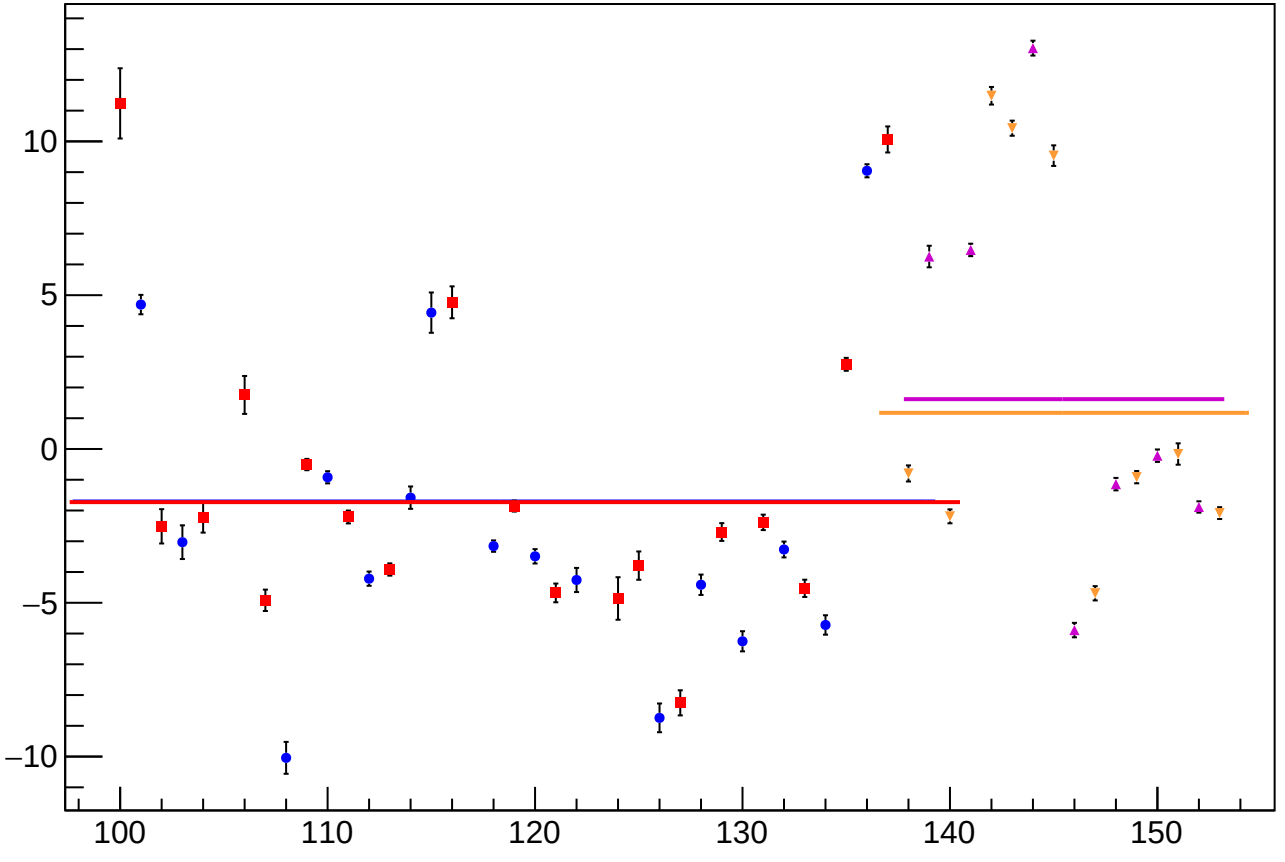
Left In: -18.587+/-0.095 χ^2/NDF:78744.8/6

\+ sign -4.230+/-0.055 χ^2/NDF: 229490.2/24

All: -2.906+/-0.038 χ^2/NDF: 426325.3/50

\- sign -1.724+/-0.052 χ^2/NDF: 195728.1/25

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 1.175+/-0.082 χ^2/NDF:4663.2/8

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

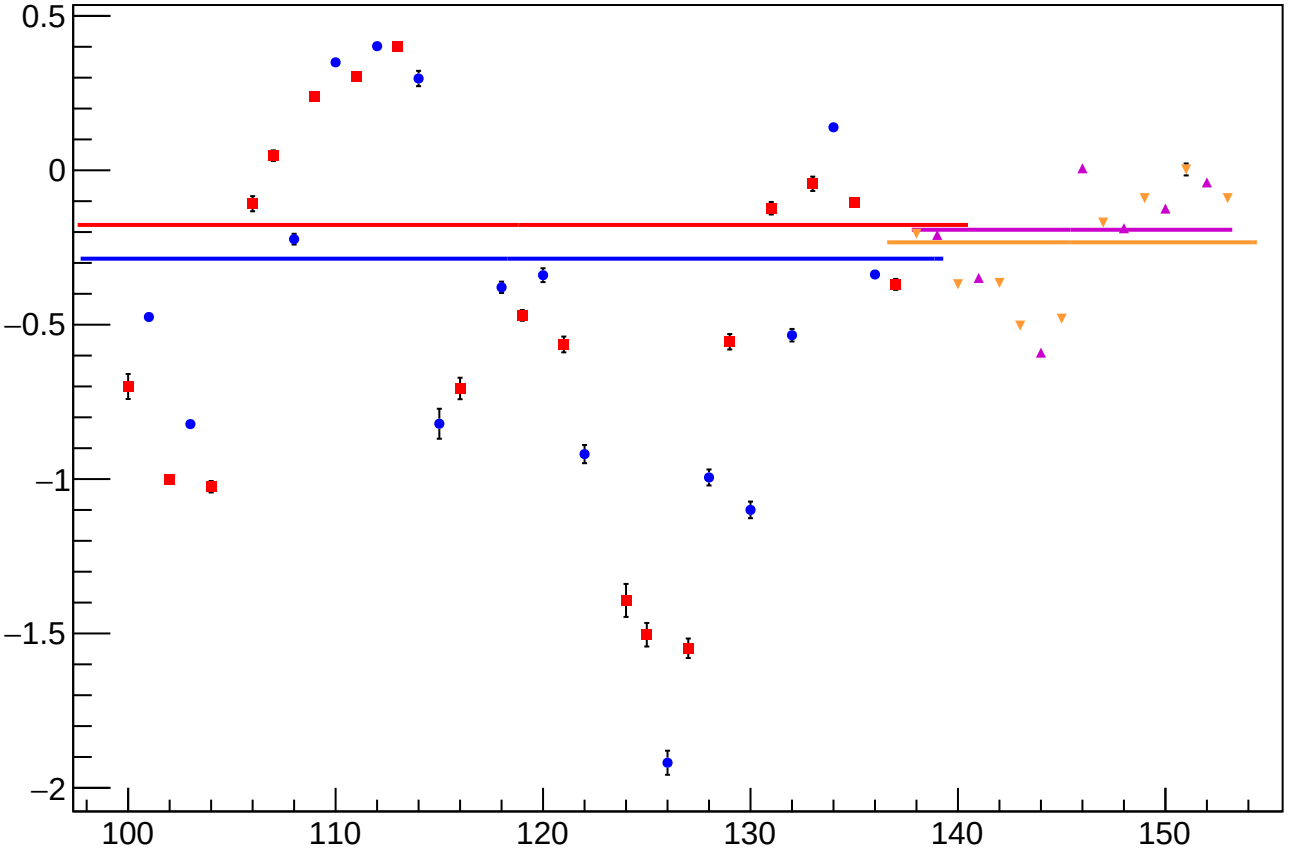
Left In: 1.619+/-0.083 χ^2/NDF:4615.8/6

+ sign -0.454+/-0.054 χ^2/NDF: 9658.9/24

All: -0.430+/-0.037 χ^2/NDF: 17573.2/50

- sign -0.407+/-0.052 χ^2/NDF: 7913.9/25

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.233+/-0.004 χ^2/NDF:1746.1/8

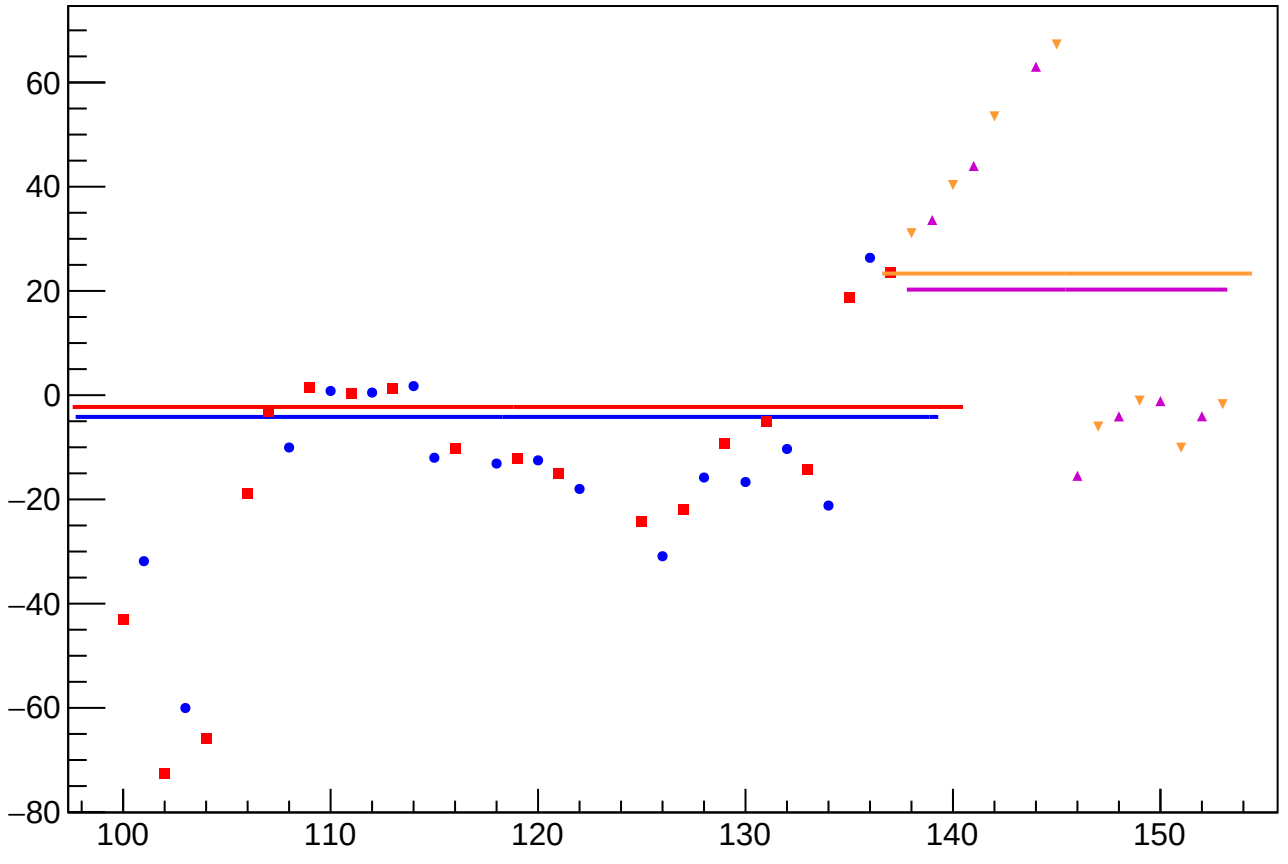
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.193+/-0.004 χ^2/NDF:1861.6/6

+ sign -0.256+/-0.003 χ^2/NDF: 13194.2/24

All: -0.219+/-0.002 χ^2/NDF: 30163.3/50

- sign -0.185+/-0.003 χ^2/NDF: 16637.7/25



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 23.338+/-0.097 χ^2/NDF:61955.1/7

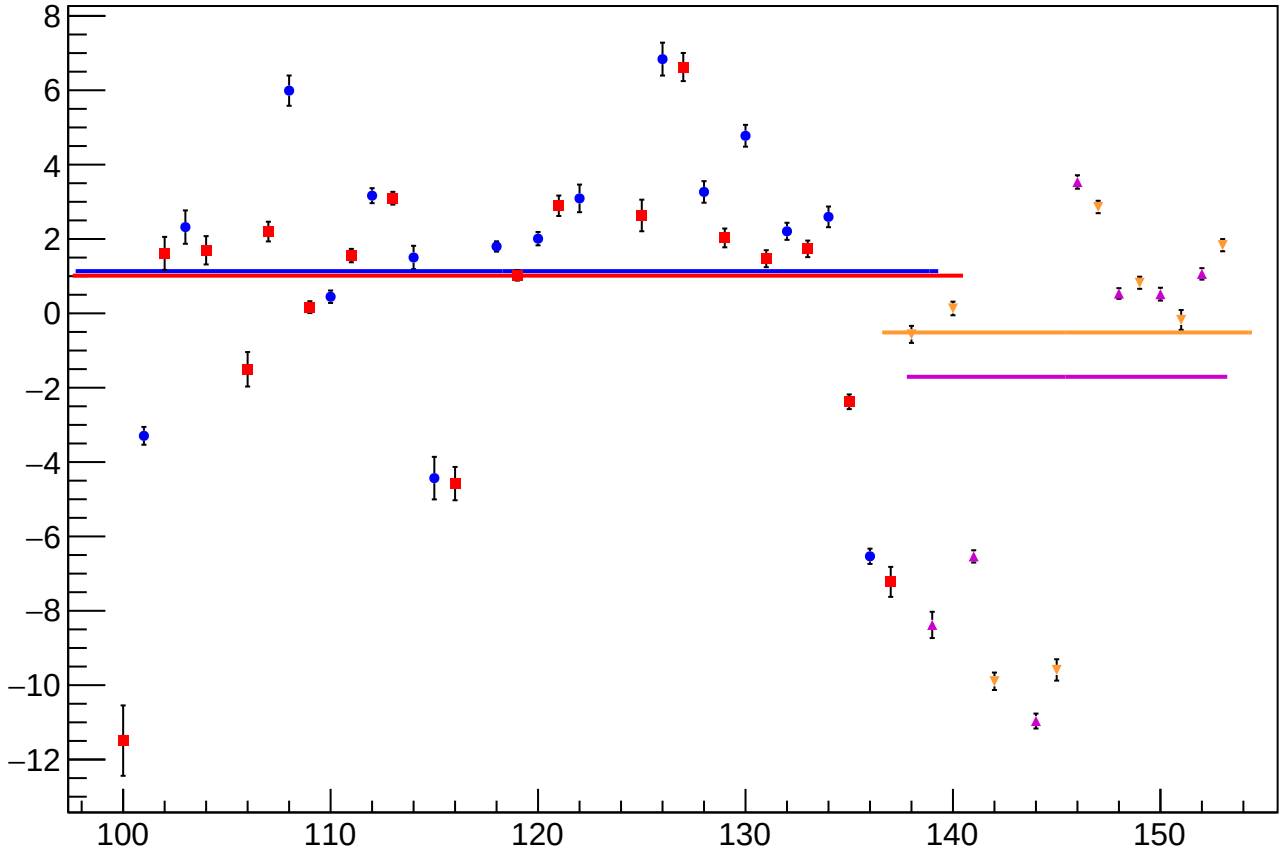
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 20.256+/-0.094 χ^2/NDF:77250.3/6

+ sign 2.389+/-0.048 χ^2/NDF: 198238.8/23

All: 2.233+/-0.031 χ^2/NDF: 401623.6/48

- sign 2.115+/-0.041 χ^2/NDF: 203366.0/24



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -0.514+/-0.070 χ^2/NDF:3293.4/7

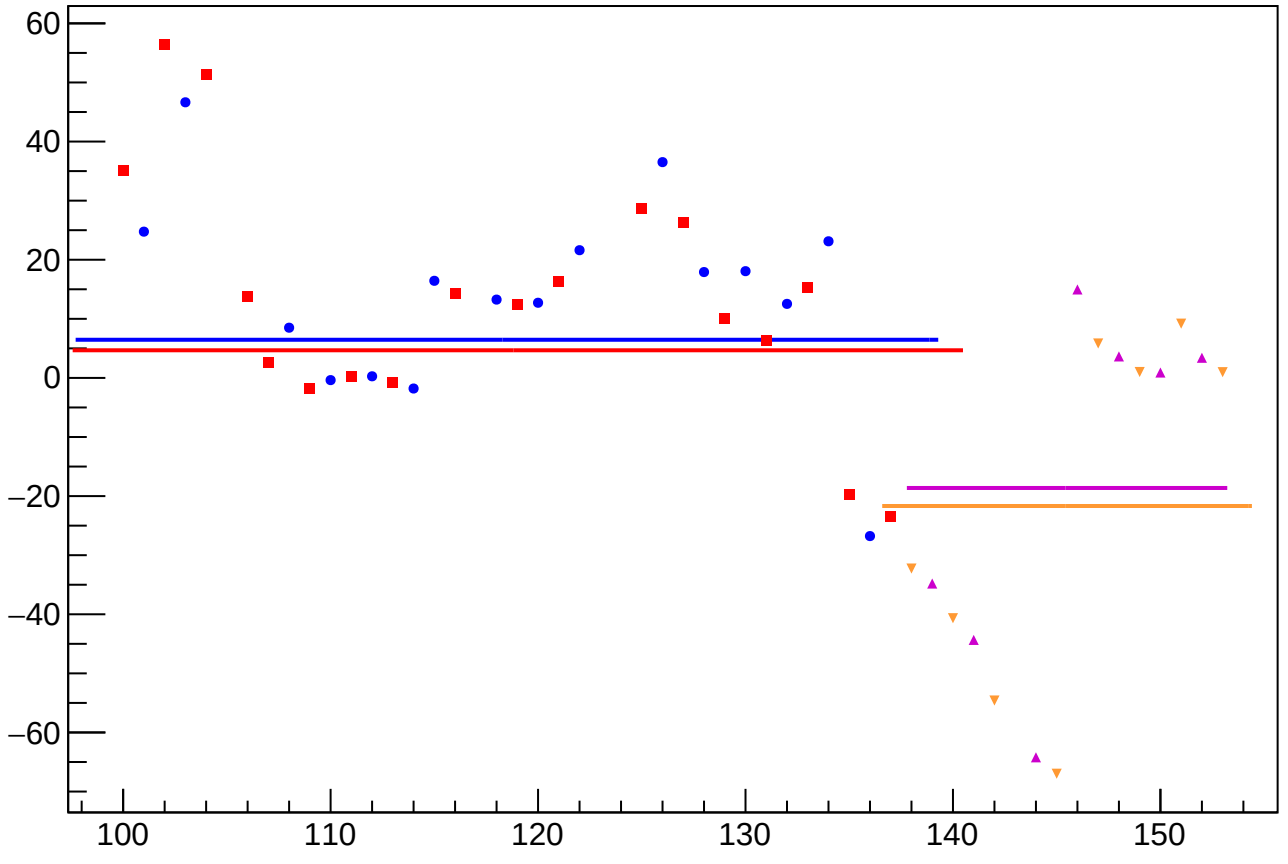
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -1.706+/-0.067 χ^2/NDF:4901.2/6

+ sign 0.435+/-0.046 χ^2/NDF: 6207.7/23

All: 0.135+/-0.031 χ^2/NDF: 13740.8/48

- sign -0.136+/-0.043 χ^2/NDF: 7450.8/24



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -21.676+/-0.096 χ^2/NDF:64386.6/7

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

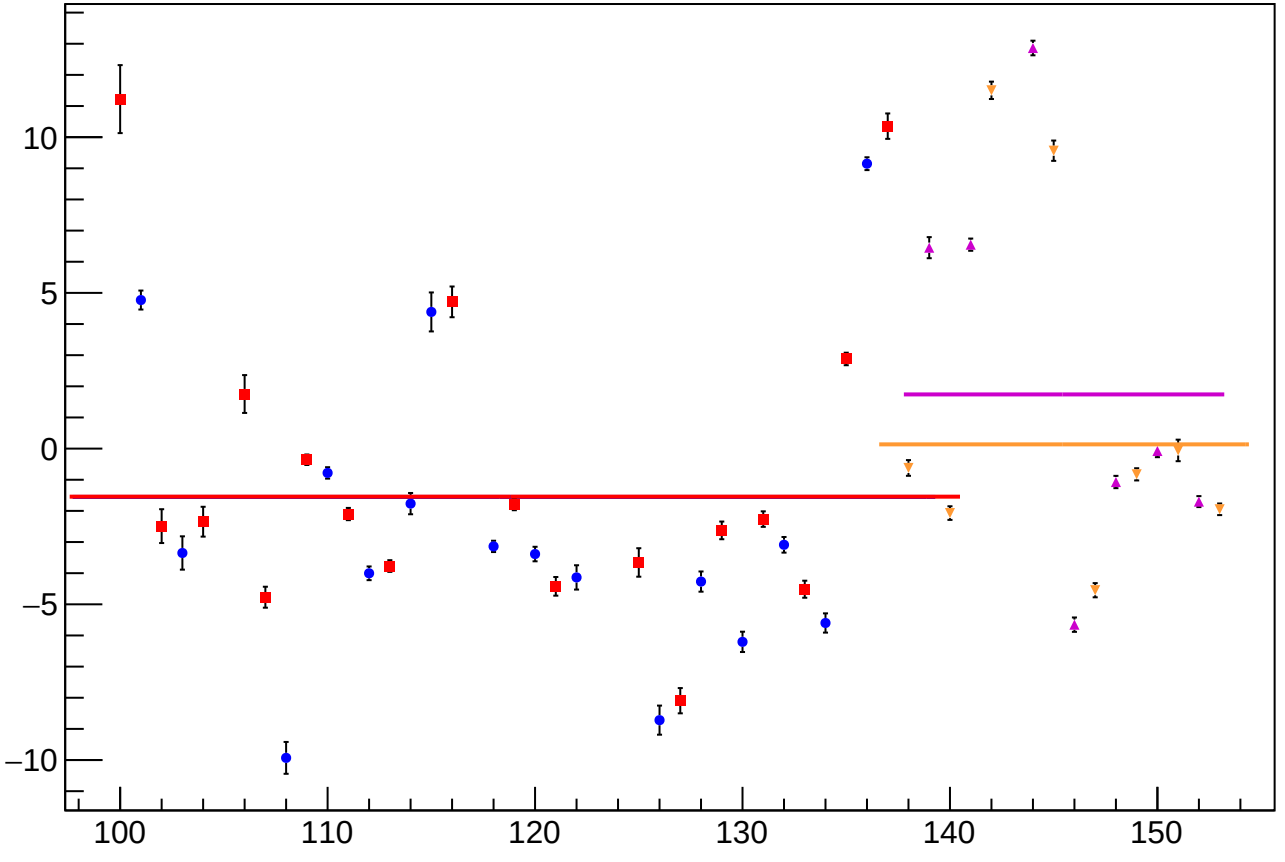
Left In: -18.625+/-0.092 χ^2/NDF:80386.2/6

\+ sign -2.361+/-0.054 χ^2/NDF: 193974.7/23

All: -2.223+/-0.037 χ^2/NDF: 394049.6/48

\- sign -2.105+/-0.050 χ^2/NDF: 200062.7/24

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 0.136+/-0.084 χ^2/NDF:3177.0/7

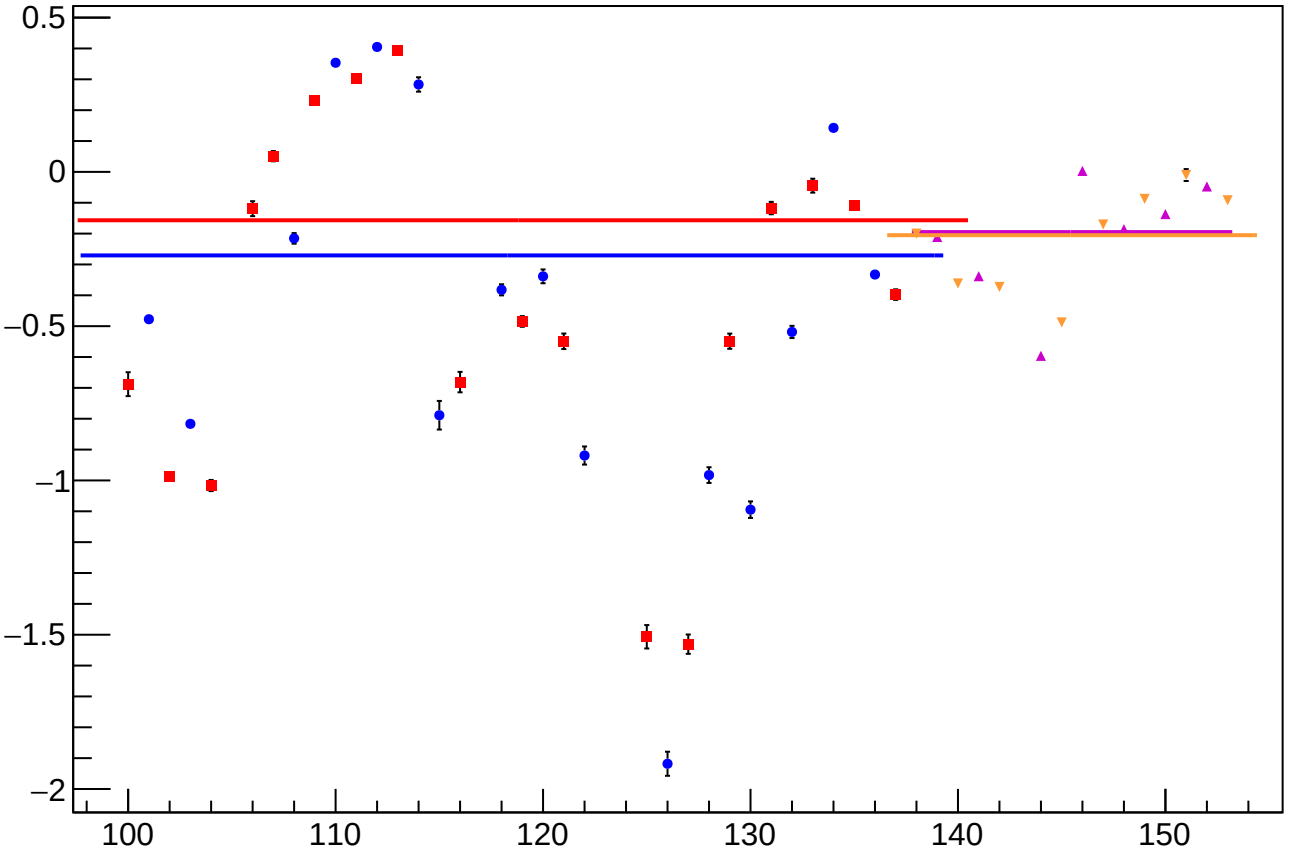
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 1.740+/-0.080 χ^2/NDF:4724.5/6

\+ sign -0.870+/-0.053 χ^2/NDF: 7960.3/23

All: -0.545+/-0.037 χ^2/NDF: 16240.0/48

\- sign -0.257+/-0.050 χ^2/NDF: 8210.2/24



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.205+/-0.004 χ^2/NDF:1263.5/7

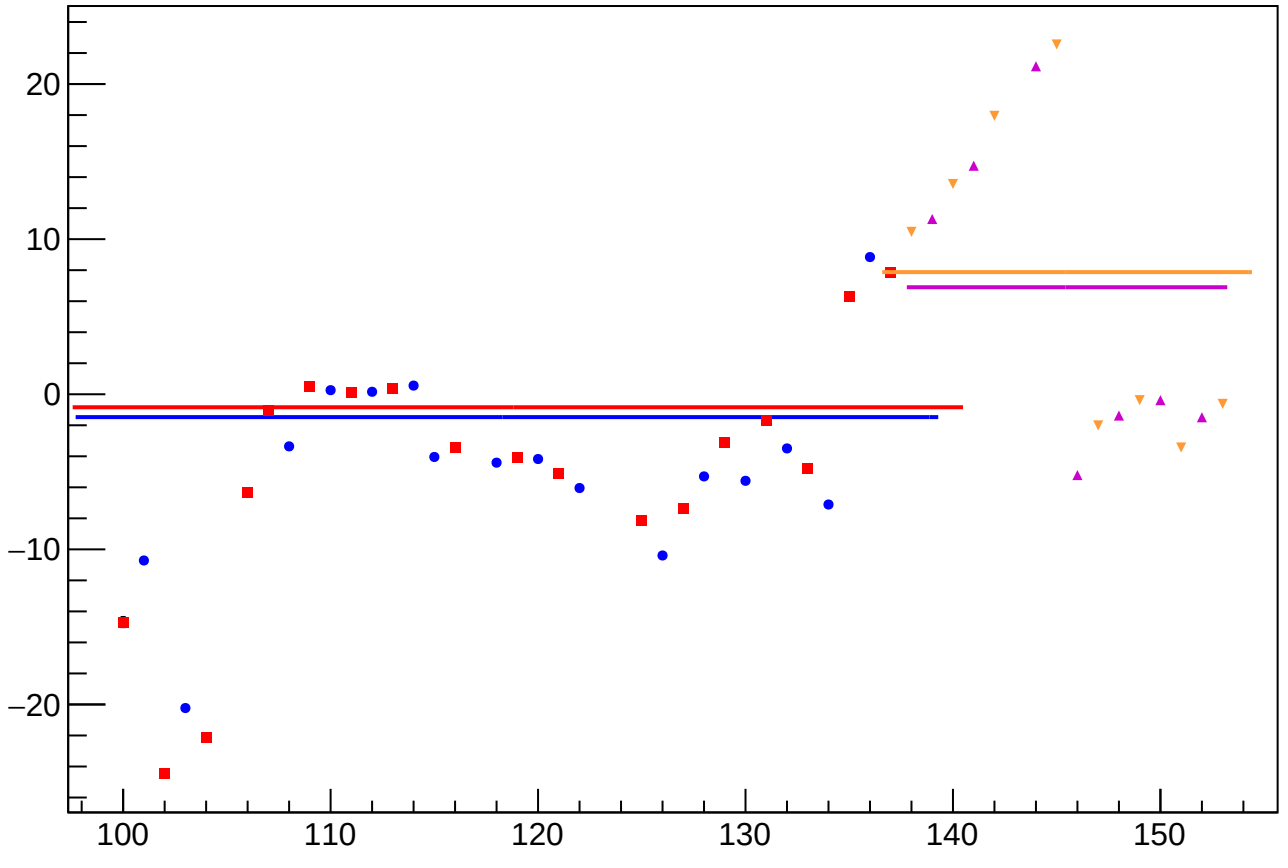
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.195+/-0.004 χ^2/NDF:1909.0/6

+ sign -0.235+/-0.003 χ^2/NDF: 13495.7/23

All: -0.204+/-0.002 χ^2/NDF: 30708.2/48

- sign -0.177+/-0.003 χ^2/NDF: 16982.4/24



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 7.875+/-0.033 χ^2/NDF:60862.2/7

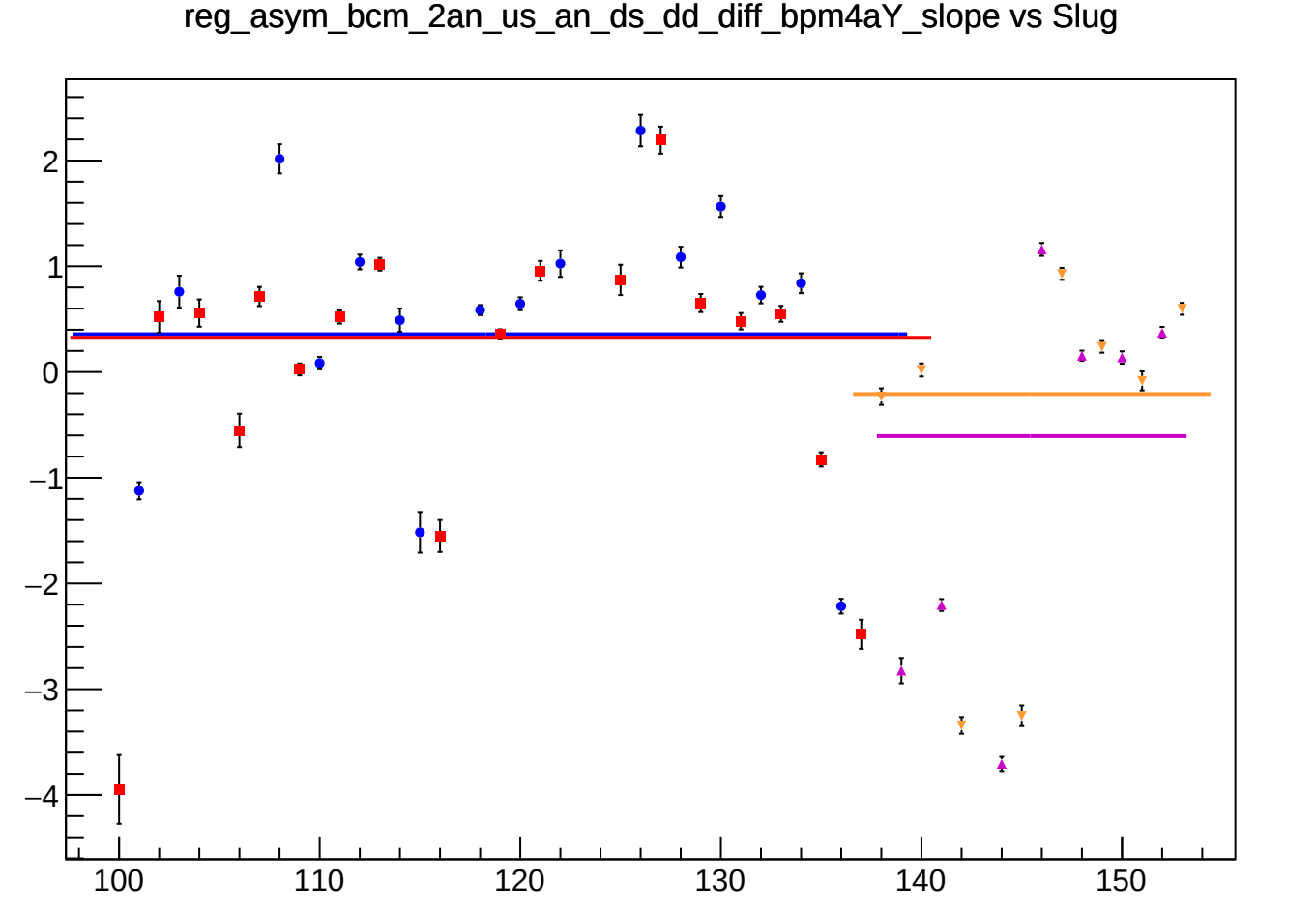
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 6.900+/-0.032 χ^2/NDF:75188.8/6

+ sign 0.796+/-0.016 χ^2/NDF: 195011.7/23

All: 0.748+/-0.011 χ^2/NDF: 394907.9/48

- sign 0.712+/-0.014 χ^2/NDF: 199881.3/24



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.208+/-0.024 χ^2/NDF:3238.1/7

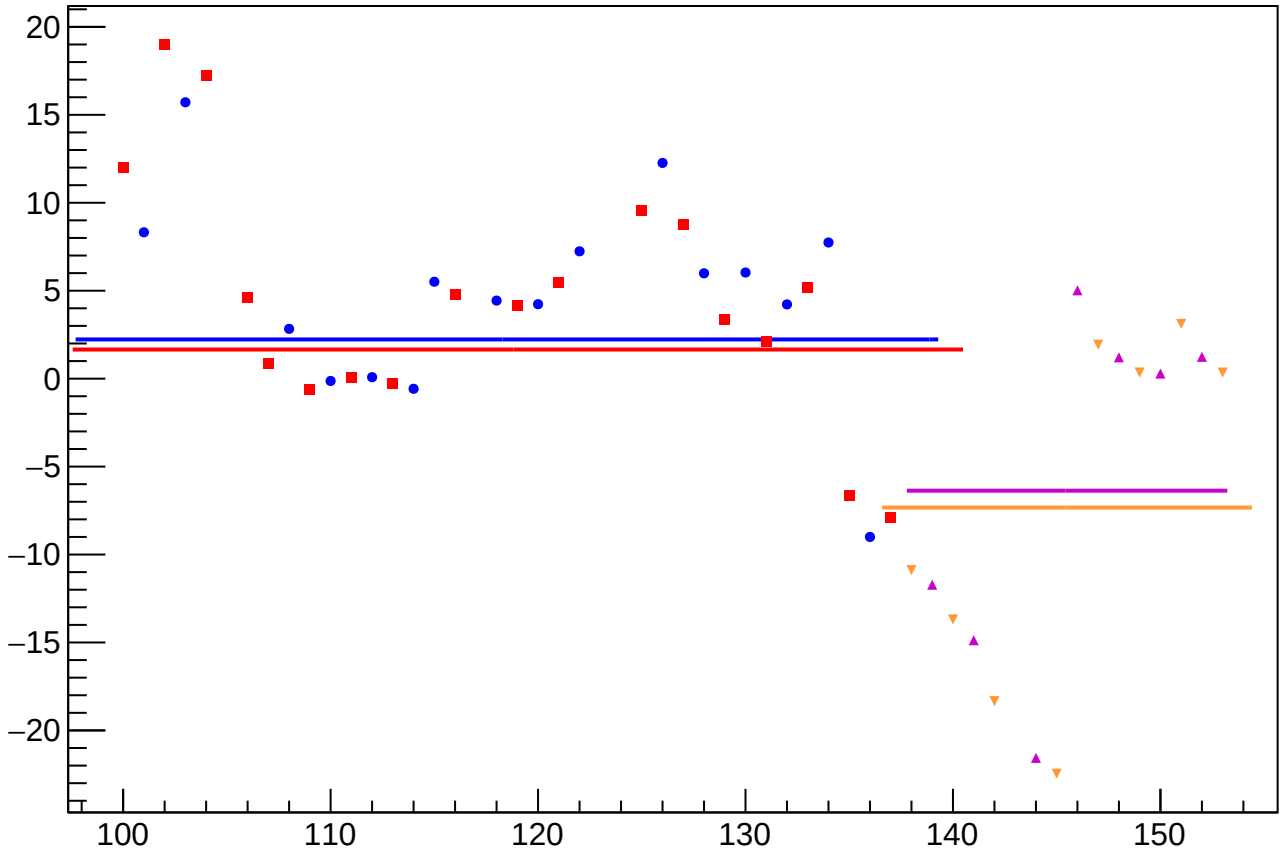
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -0.606+/-0.023 χ^2/NDF:4793.2/6

+ sign 0.116+/-0.016 χ^2/NDF: 6103.4/23

All: 0.017+/-0.011 χ^2/NDF: 13483.0/48

- sign -0.073+/-0.015 χ^2/NDF: 7303.1/24



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -7.329+/-0.033 χ^2/NDF:63270.4/7

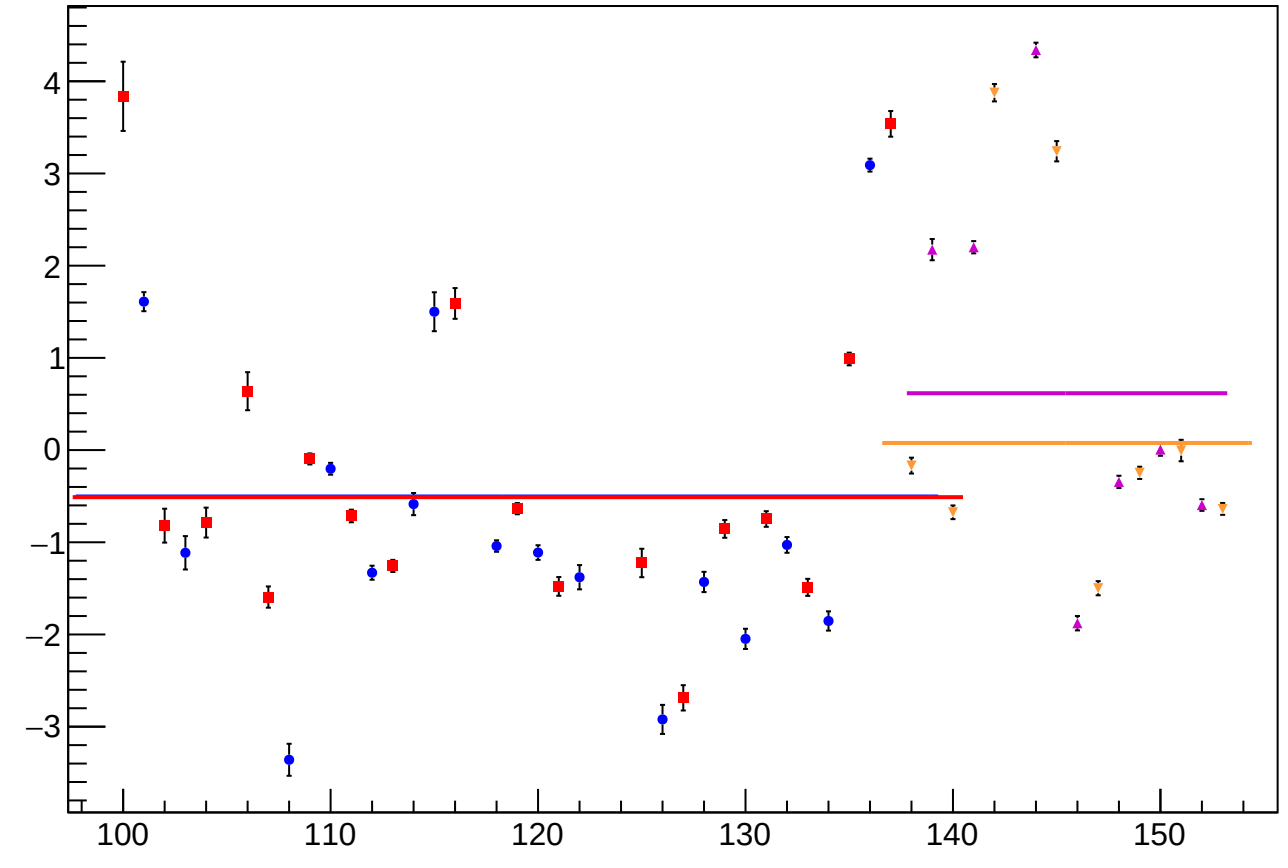
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -6.369+/-0.032 χ^2/NDF:78313.9/6

+ sign -0.796+/-0.018 χ^2/NDF: 190830.9/23

All: -0.755+/-0.013 χ^2/NDF: 387548.4/48

- sign -0.719+/-0.017 χ^2/NDF: 196707.9/24



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: 0.077+/-0.029 χ^2/NDF:3125.0/7

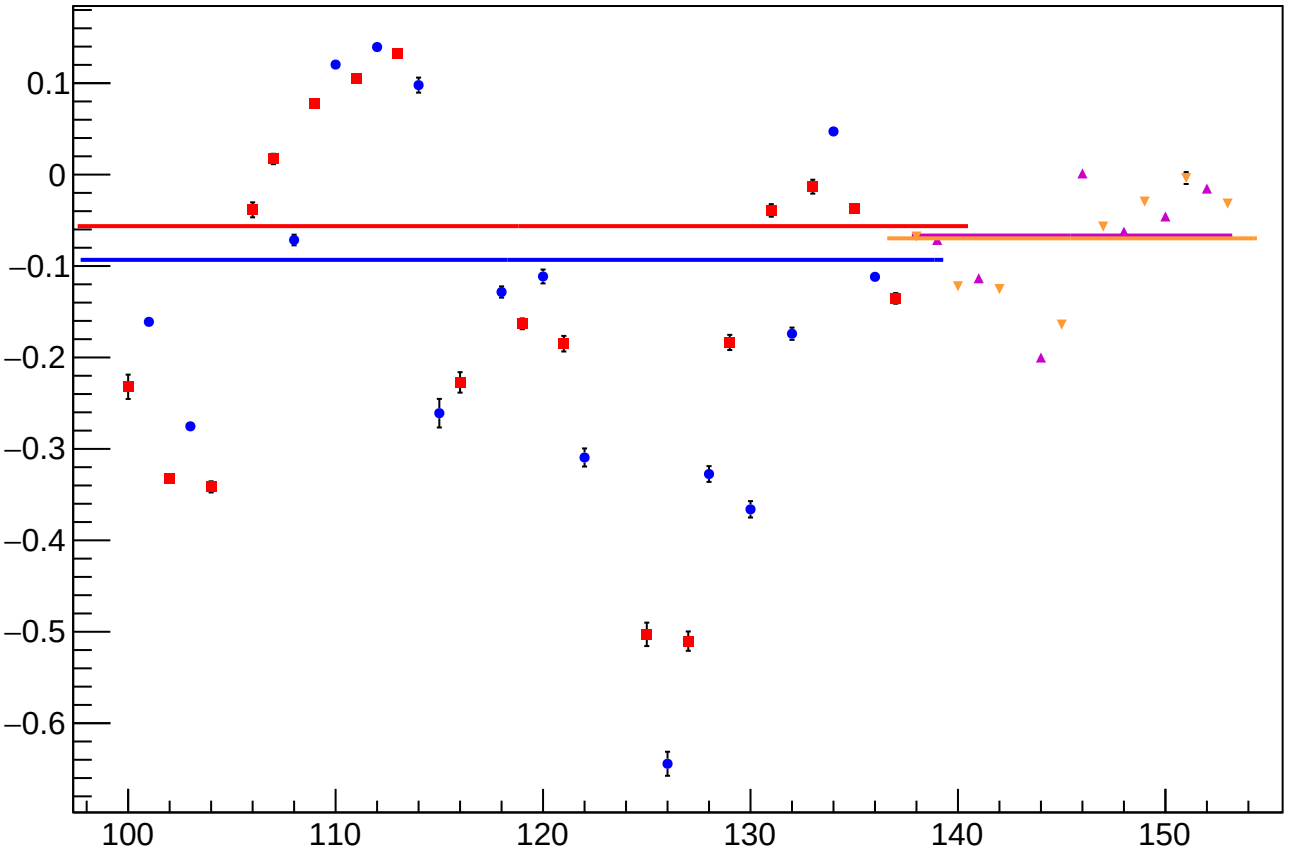
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 0.617+/-0.028 χ^2/NDF:4627.1/6

+ sign -0.267+/-0.018 χ^2/NDF: 7816.7/23

All: -0.161+/-0.013 χ^2/NDF: 15945.4/48

- sign -0.065+/-0.017 χ^2/NDF: 8064.3/24



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.070+/-0.001 χ^2/NDF:1236.7/7

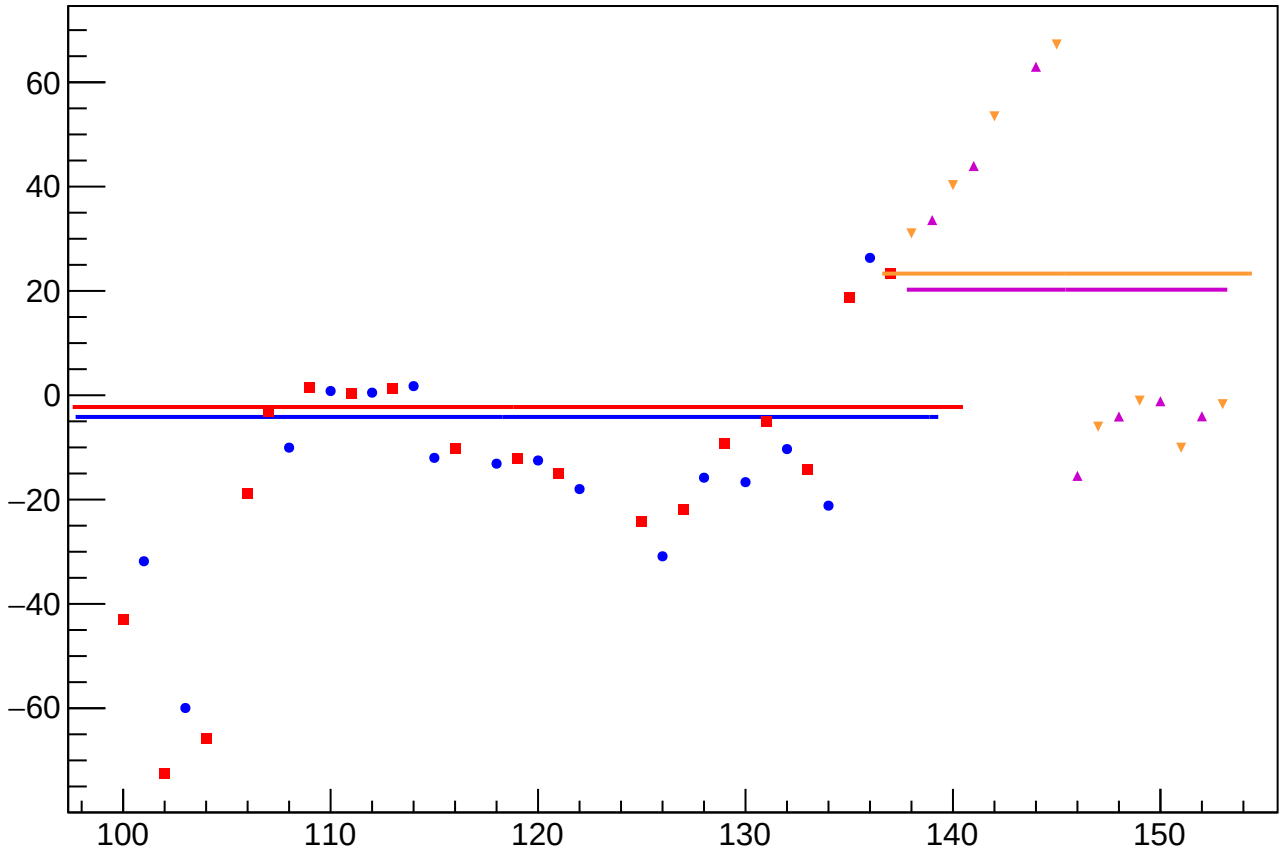
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.067+/-0.001 χ^2/NDF:1849.1/6

+ sign -0.080+/-0.001 χ^2/NDF: 13129.5/23

All: -0.071+/-0.001 χ^2/NDF: 29671.4/48

- sign -0.062+/-0.001 χ^2/NDF: 16339.7/24



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 23.322+/-0.097 χ^2/NDF:61940.7/7

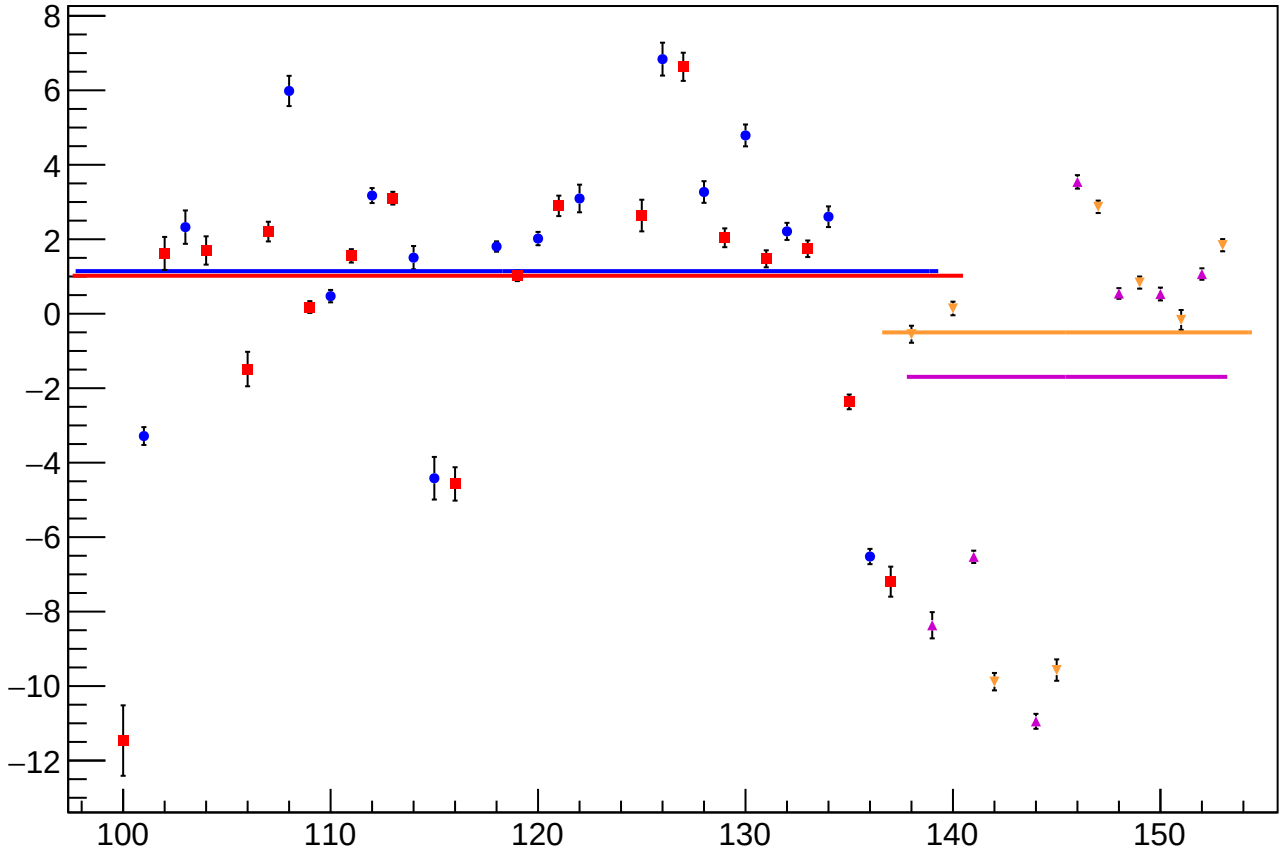
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 20.239+/-0.094 χ^2/NDF:77267.0/6

+ sign 2.391+/-0.047 χ^2/NDF: 198234.8/23

All: 2.234+/-0.031 χ^2/NDF: 401635.7/48

- sign 2.115+/-0.041 χ^2/NDF: 203381.7/24



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -0.502+/-0.070 χ^2/NDF:3294.3/7

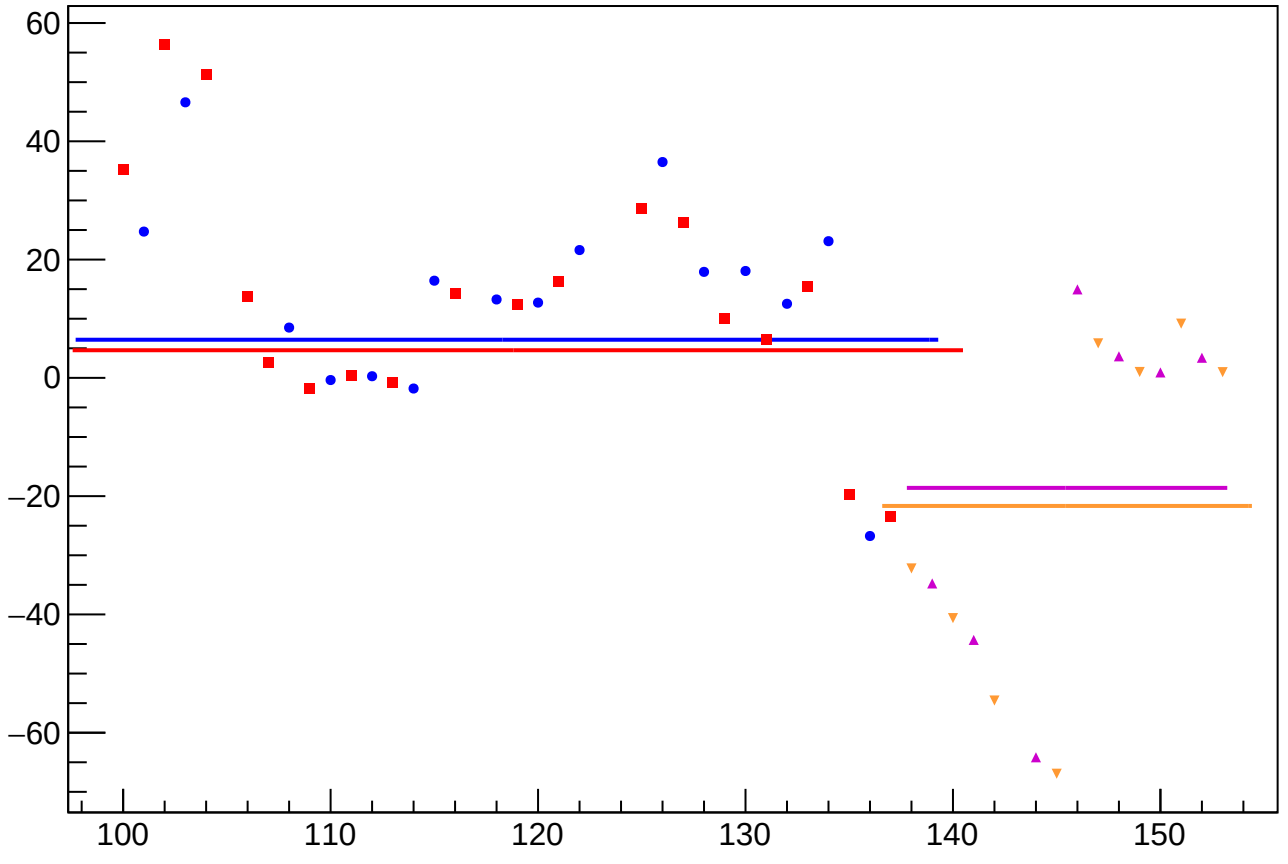
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -1.695+/-0.067 χ^2/NDF:4904.0/6

+ sign 0.446+/-0.046 χ^2/NDF: 6207.6/23

All: 0.145+/-0.031 χ^2/NDF: 13741.3/48

- sign -0.128+/-0.043 χ^2/NDF: 7450.7/24



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -21.656+/-0.096 χ^2/NDF:64370.0/7

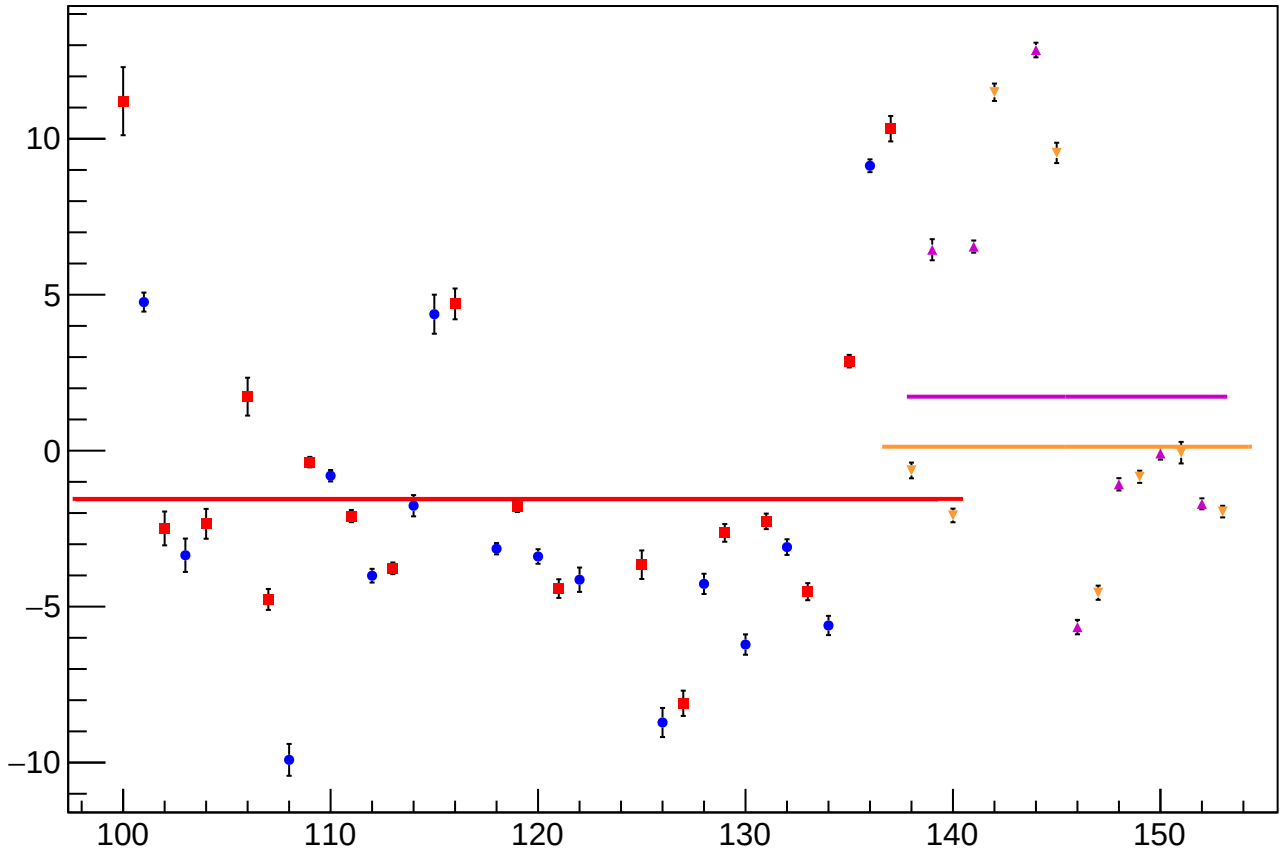
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -18.603+/-0.092 χ^2/NDF:80400.8/6

+ sign -2.358+/-0.054 χ^2/NDF: 193966.3/23

All: -2.218+/-0.036 χ^2/NDF: 394048.1/48

- sign -2.099+/-0.050 χ^2/NDF: 200069.2/24



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: 0.126+/-0.084 χ^2/NDF:3177.7/7

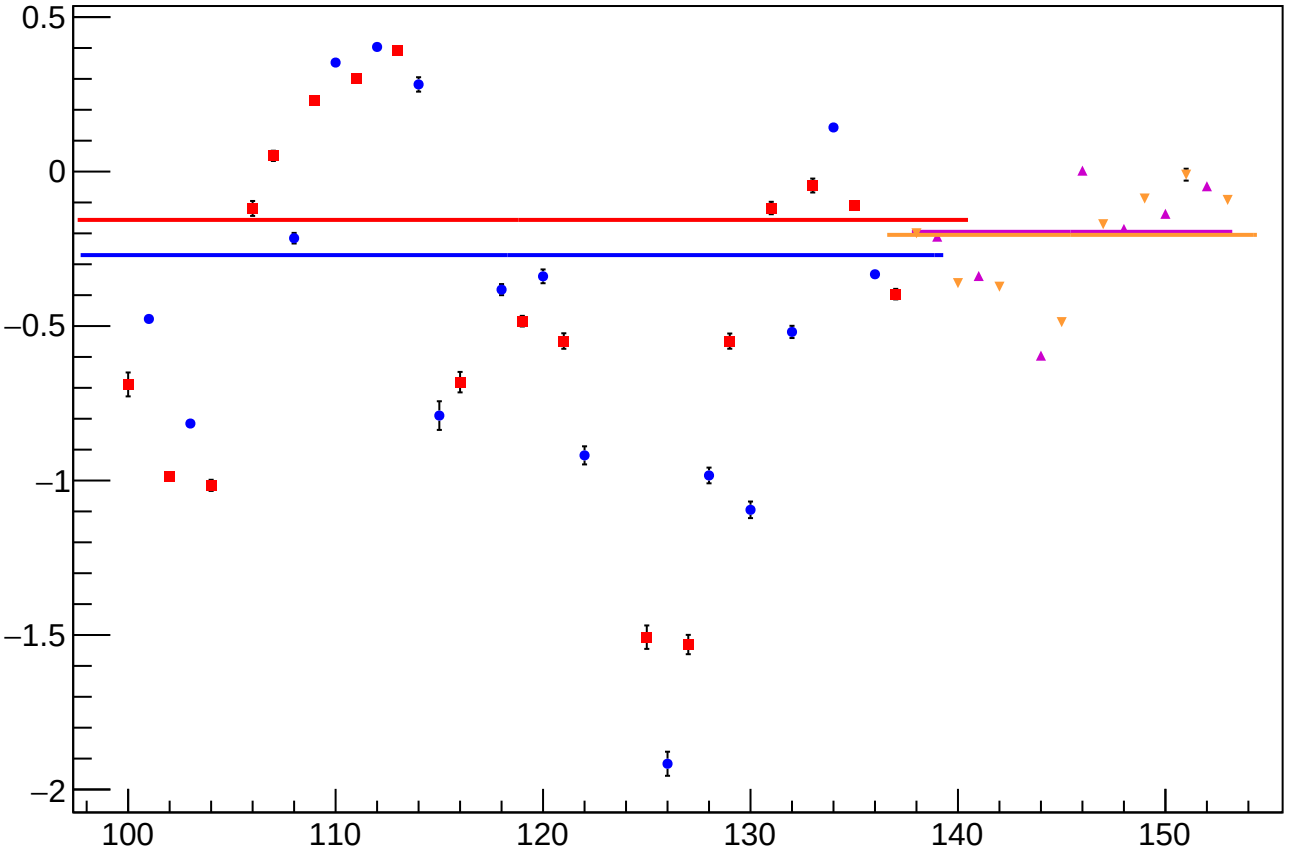
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 1.731+/-0.080 χ^2/NDF:4726.4/6

\+ sign -0.878+/-0.053 χ^2/NDF: 7960.0/23

All: -0.552+/-0.037 χ^2/NDF: 16238.1/48

\- sign -0.263+/-0.050 χ^2/NDF: 8207.9/24



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.205+/-0.004 χ^2/NDF:1263.5/7

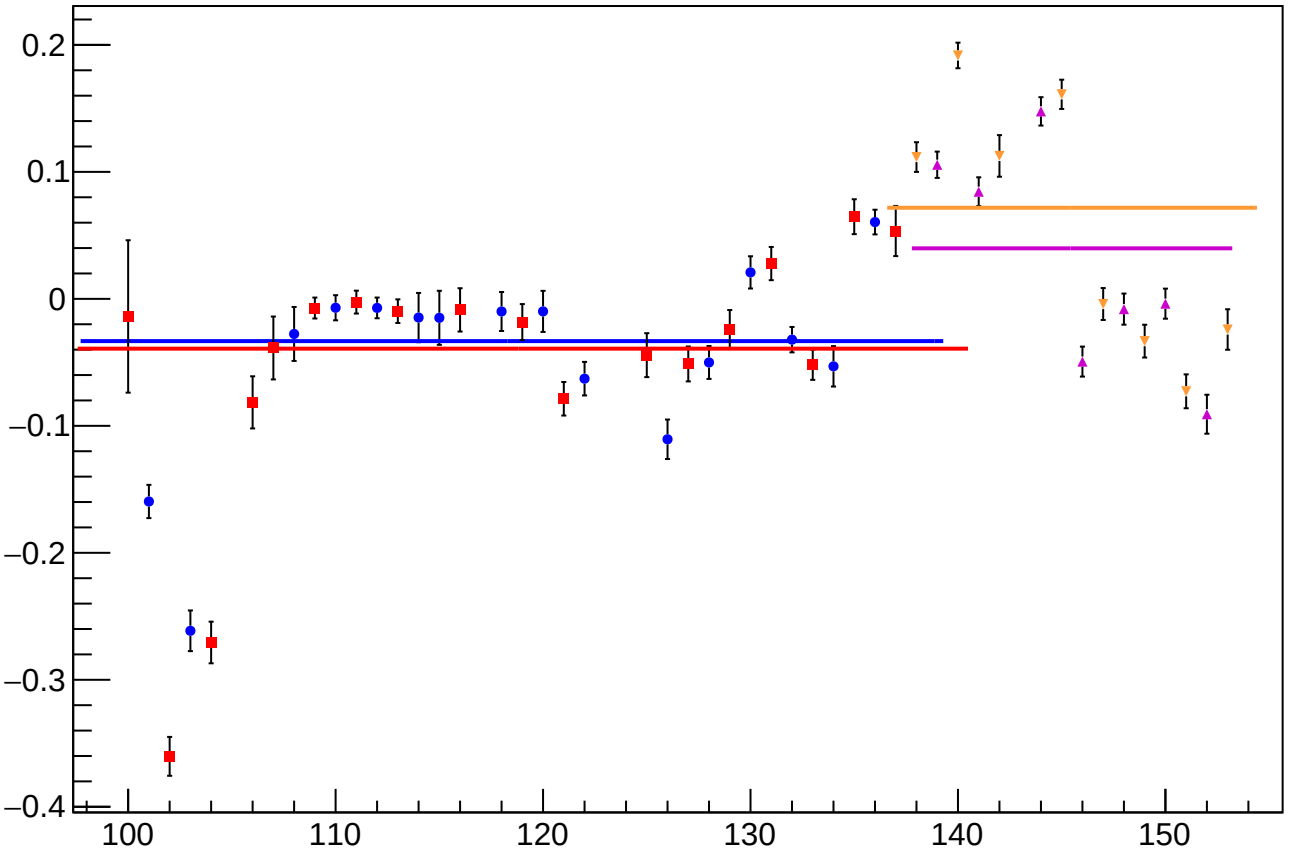
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.195+/-0.004 χ^2/NDF:1908.6/6

+ sign -0.235+/-0.003 χ^2/NDF: 13496.5/23

All: -0.204+/-0.002 χ^2/NDF: 30720.3/48

- sign -0.177+/-0.003 χ^2/NDF: 16993.7/24



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.072+/-0.004 χ^2/NDF:476.2/7

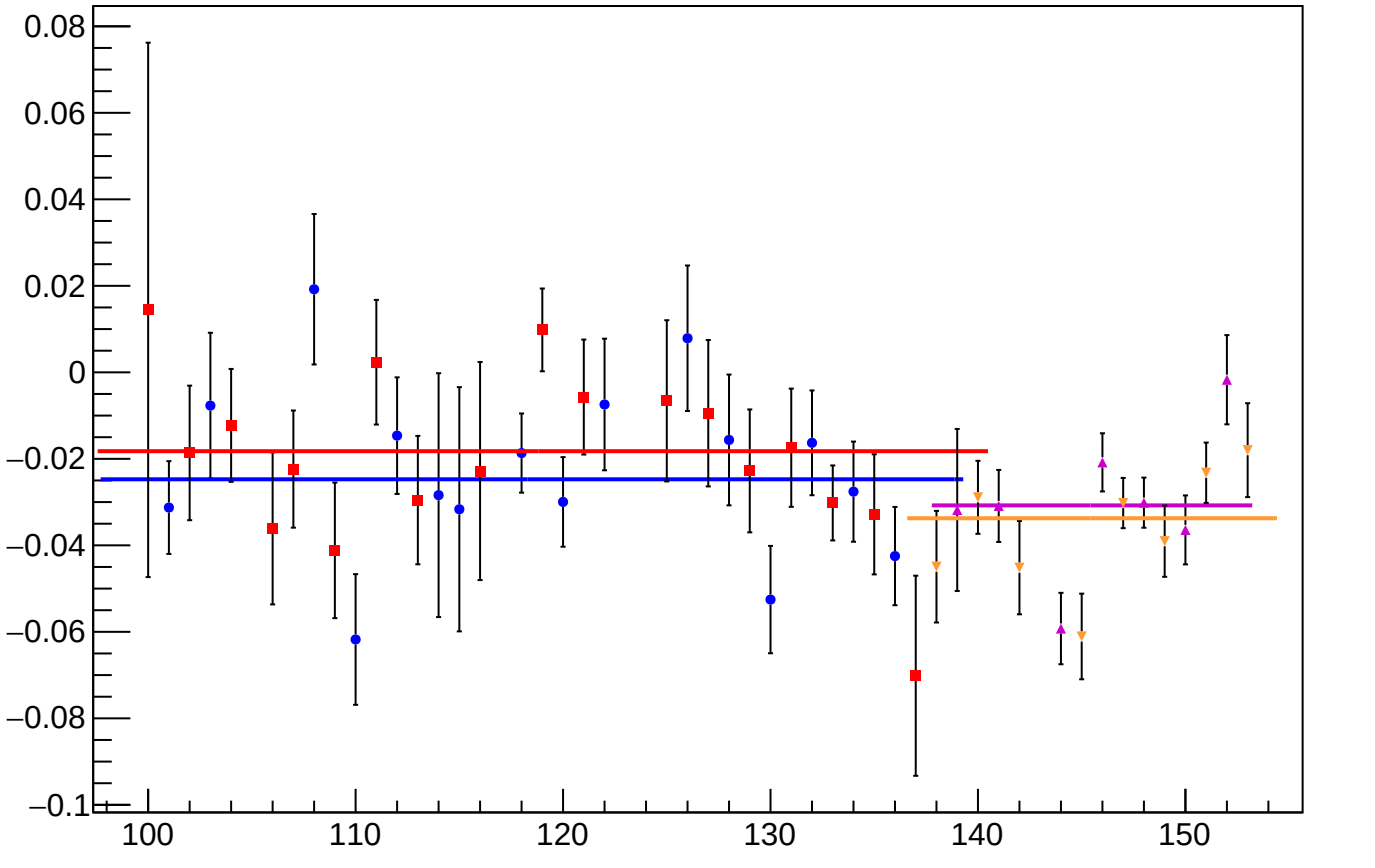
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.040+/-0.004 χ^2/NDF:307.5/6

+ sign 0.003+/-0.003 χ^2/NDF: 1304.9/23

All: -0.005+/-0.002 χ^2/NDF: 2645.3/48

- sign -0.013+/-0.003 χ^2/NDF: 1323.3/24



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.034+/-0.003 χ^2/NDF:15.0/7

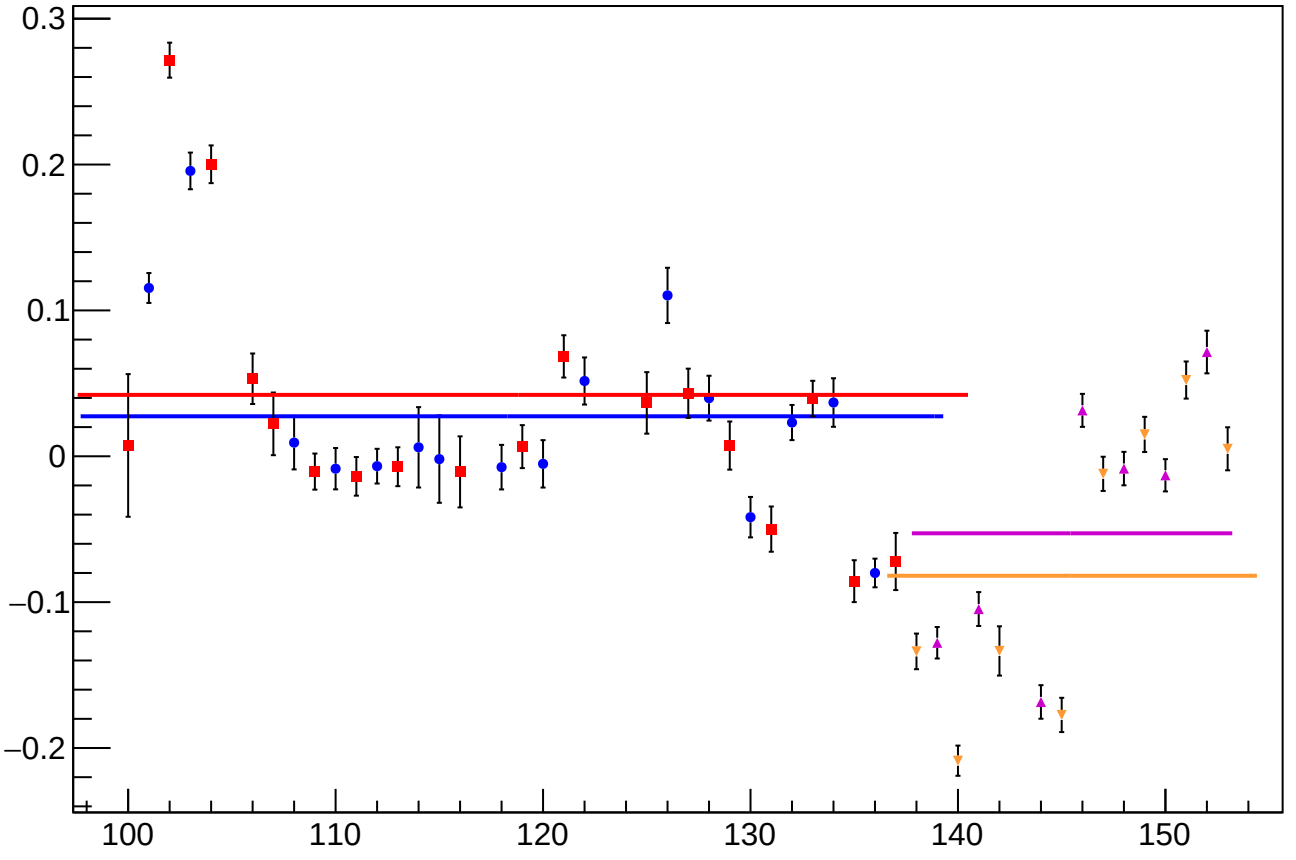
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.003 χ^2/NDF:22.5/6

+ sign -0.030+/-0.002 χ^2/NDF: 47.6/23

All: -0.027+/-0.002 χ^2/NDF: 104.5/48

- sign -0.025+/-0.002 χ^2/NDF: 54.8/24



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.082+/-0.004 χ^2/NDF:489.3/7

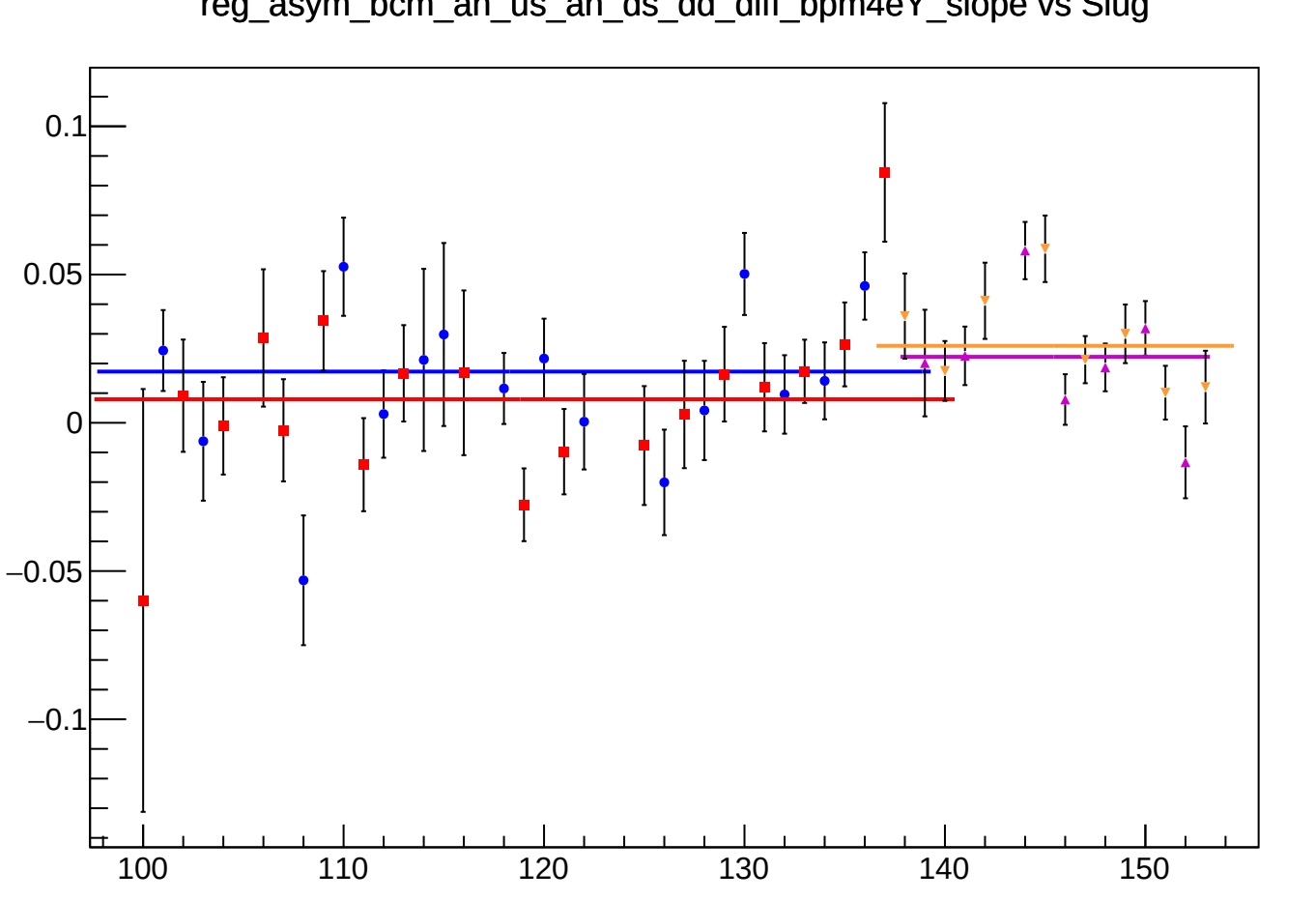
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.053+/-0.004 χ^2/NDF:325.0/6

\+ sign -0.016+/-0.003 χ^2/NDF: 1307.4/23

All: -0.006+/-0.002 χ^2/NDF: 2667.1/48

\- sign 0.003+/-0.003 χ^2/NDF: 1335.1/24



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.026+/-0.004 χ^2/NDF:15.9/7

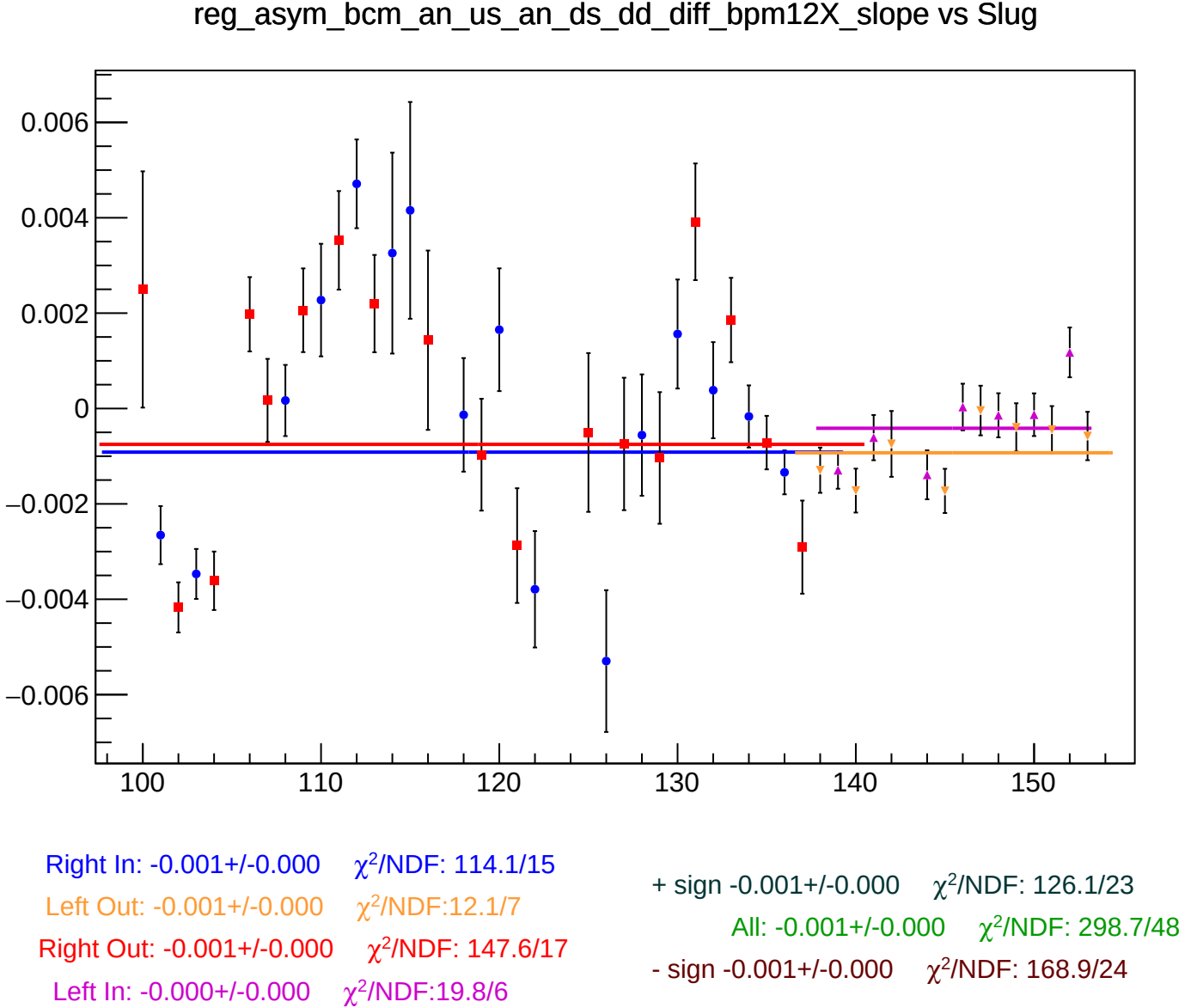
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.022+/-0.004 χ^2/NDF:26.5/6

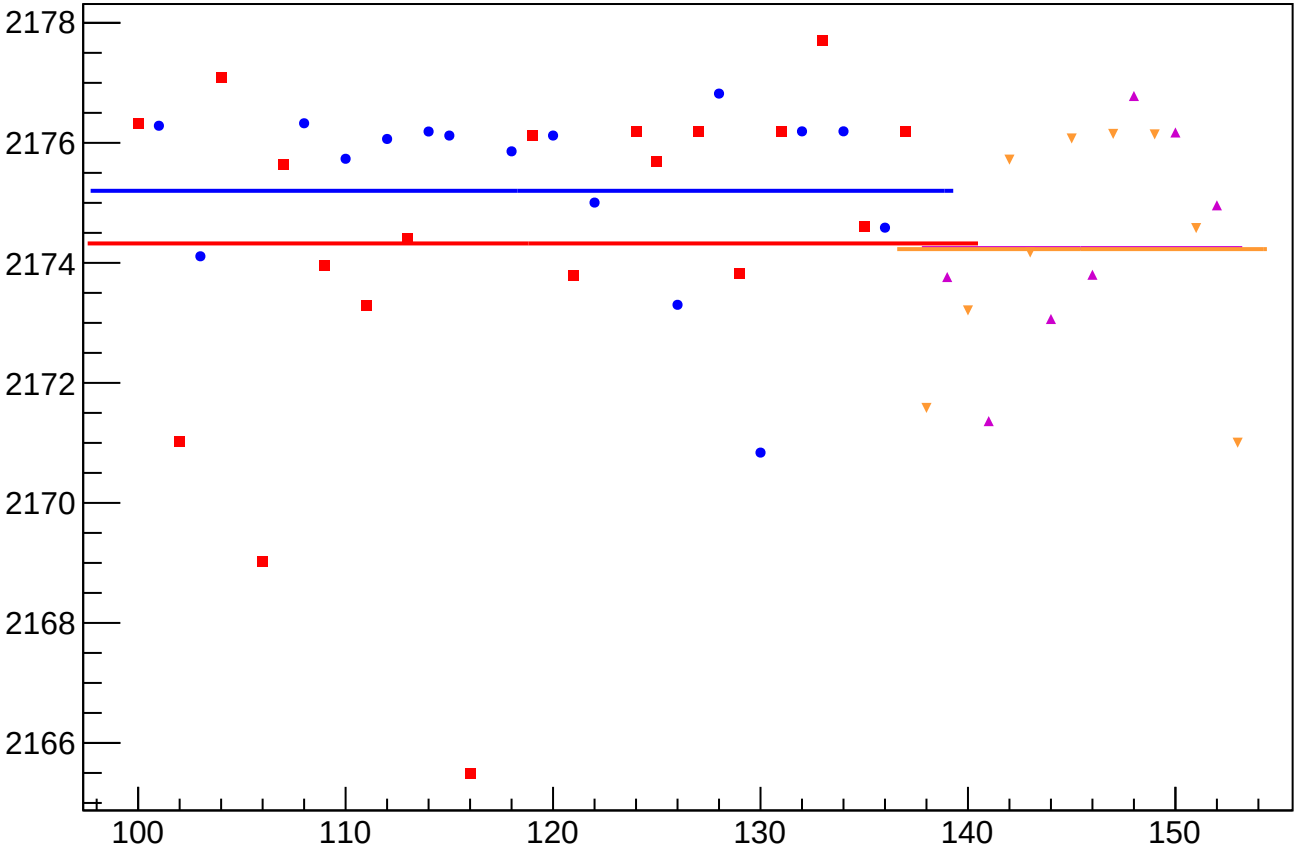
+ sign 0.022+/-0.003 χ^2/NDF: 55.3/23

All: 0.019+/-0.002 χ^2/NDF: 123.0/48

- sign 0.015+/-0.003 χ^2/NDF: 64.9/24


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
110
120
130
140
150
Right In: -0.001+/-0.000 χ²/NDF: 114.1/15
Left Out: -0.001+/-0.000 χ²/NDF:12.1/7
Right Out: -0.001+/-0.000 χ²/NDF: 147.6/17
Left In: -0.000+/-0.000 χ²/NDF:19.8/6
+ sign -0.001+/-0.000 χ²/NDF: 126.1/23
All: -0.001+/-0.000 χ²/NDF: 298.7/48
- sign -0.001+/-0.000 χ²/NDF: 168.9/24

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 1765724072923660180937051331362816.0/15

Left Out: 2174.229+/-0.000 χ^2/NDF:26201321315431805899853770428252160/8

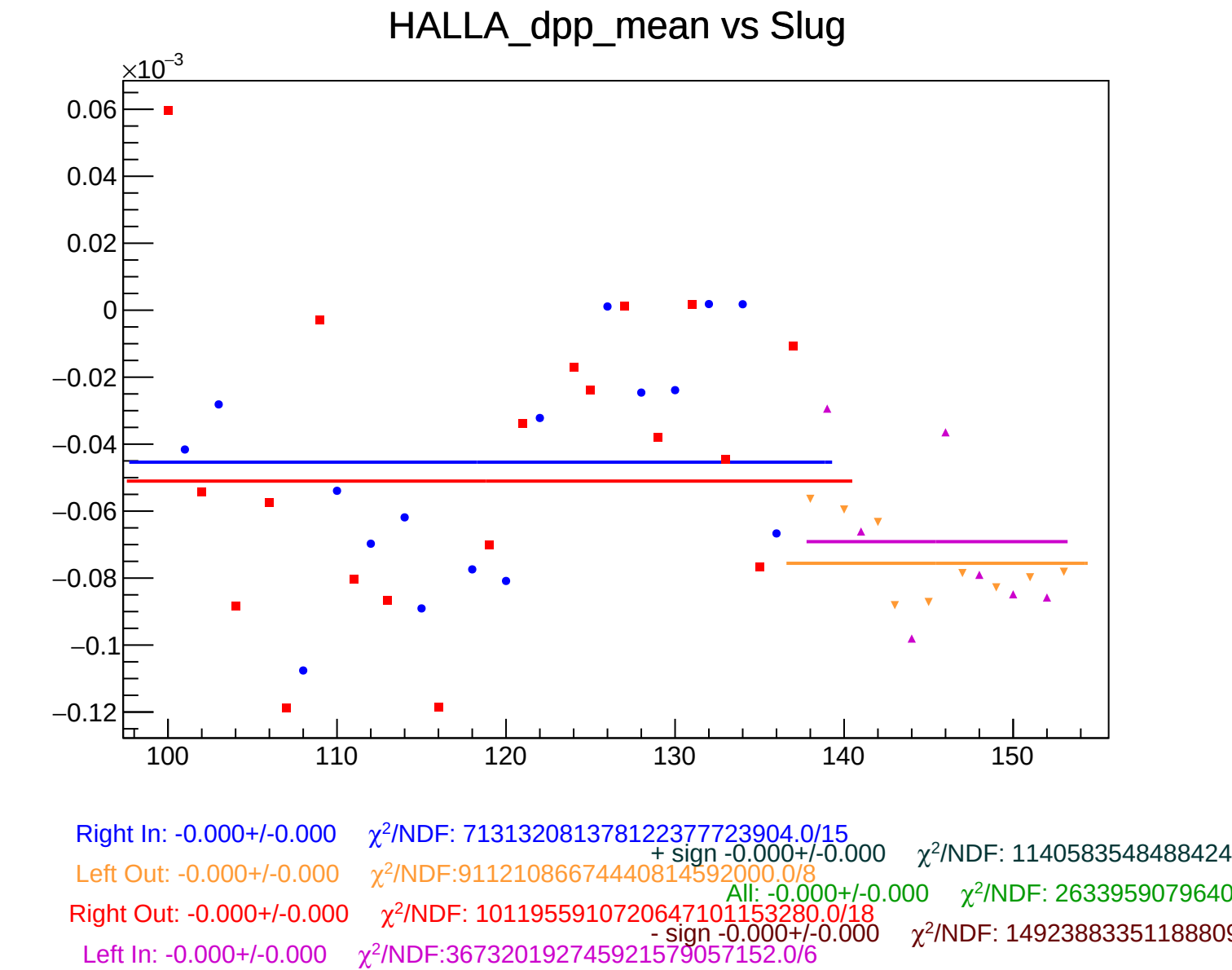
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.247+/-0.000 χ^2/NDF:189134063808449473295418998233497 6.0/6

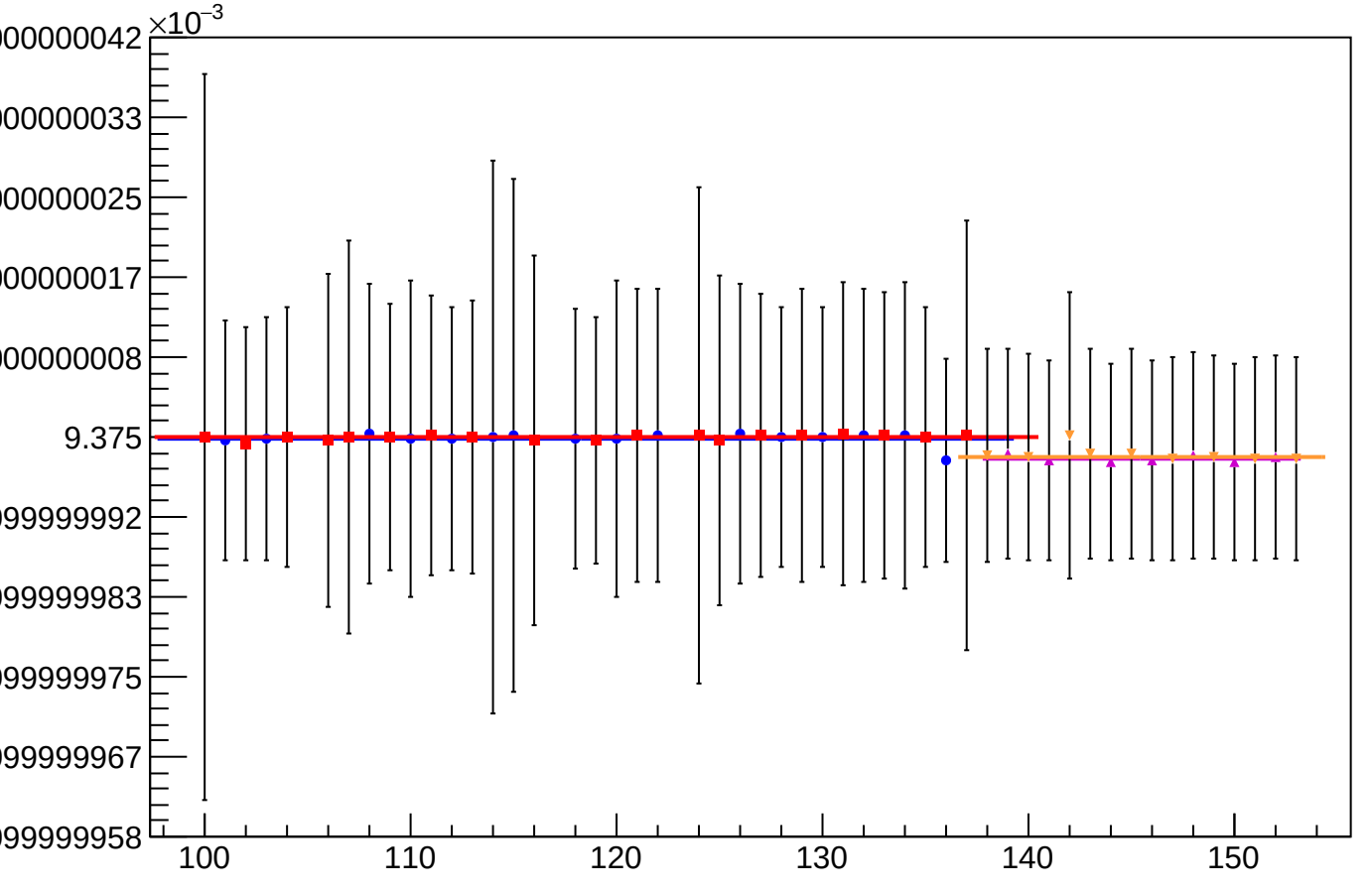
+ sign 2174.717+/-0.000 χ^2/NDF: 47339933740646

All: 2174.509+/-0.000 χ^2/NDF: 123014111 34

- sign 2174.289+/-0.000 χ^2/NDF: 74356486625678


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:9112108667444081459200.0/8
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: -0.000+/-0.000 χ²/NDF:3673201927459215790571520.0/6
+ sign -0.000+/-0.000 χ²/NDF: 1140583548488424
All: -0.000+/-0.000 χ²/NDF: 263395907964
- sign -0.000+/-0.000 χ²/NDF: 1492388335118880

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/8

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

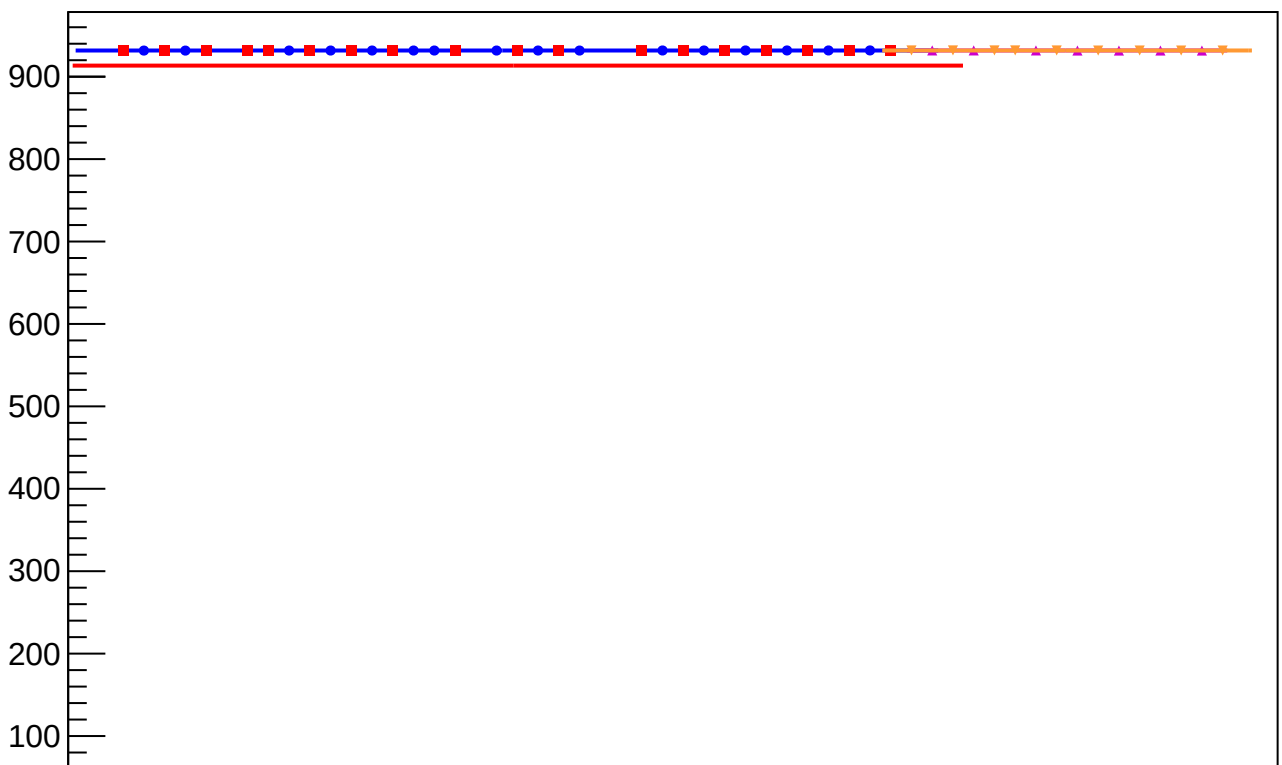
Left In: 0.009+/-0.000 χ^2/NDF:0.0/6

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/24

All: 0.009+/-0.000 χ^2/NDF: 0.4/50

- sign 0.009+/-0.000 χ^2/NDF: 0.2/25

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.785+/-0.000 χ^2/NDF: 659006813644496

Left Out: 931.800+/-0.000 χ^2/NDF:34753679415262055725267314278400.0/8

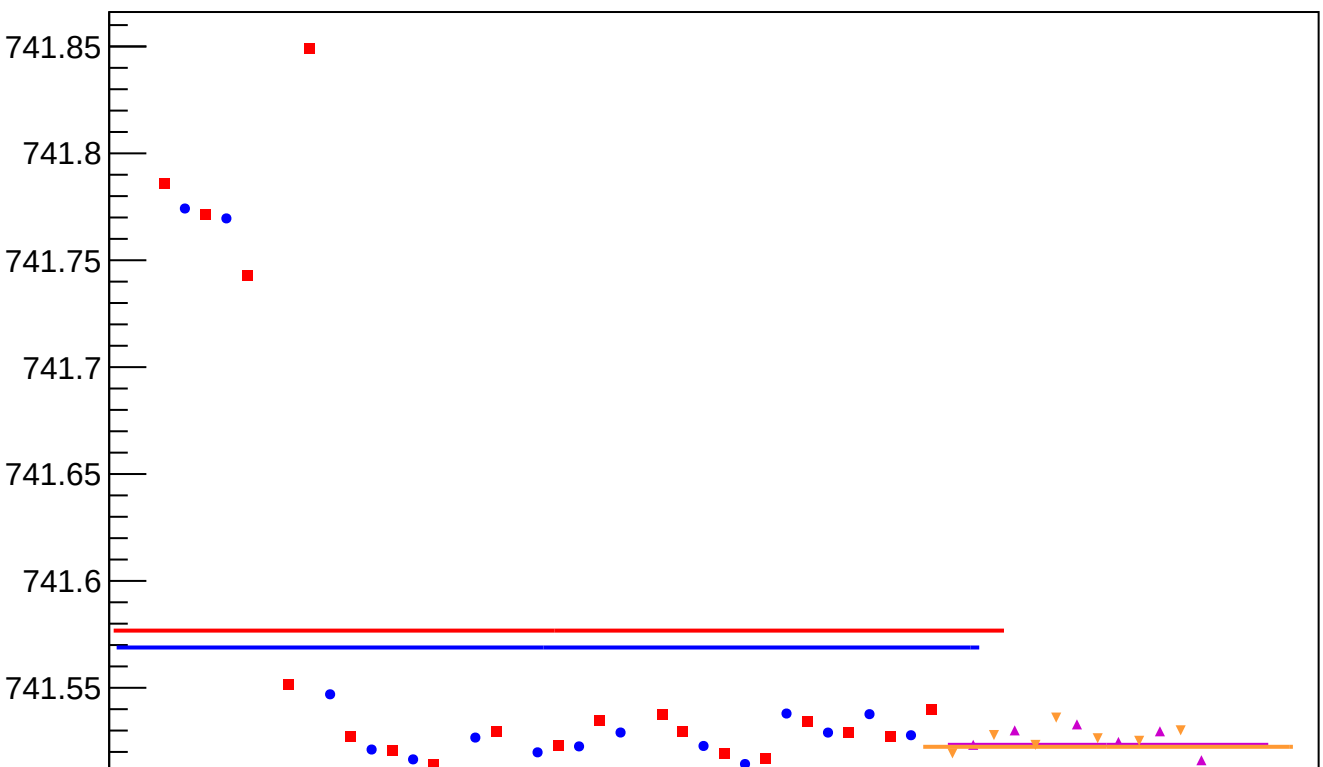
All: 926.913+/-0.000 χ^2/NDF: 12954336960

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 921.767+/-0.000 χ^2/NDF: 128823501409261

Left In: 931.795+/-0.000 χ^2/NDF:27701548053696373625532186624000.0/6

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.522+/-0.000 χ^2/NDF:673161559749347832418868920320.0/8

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

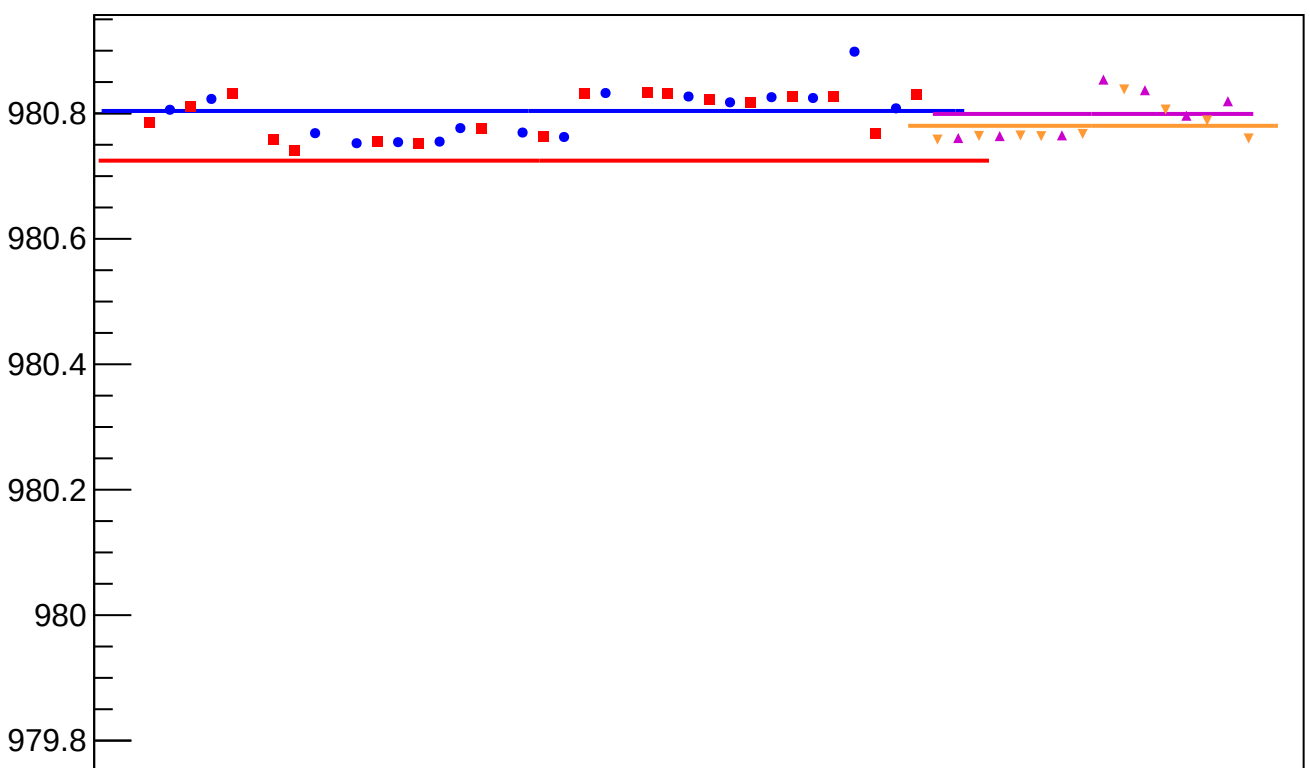
Left In: 741.523+/-0.000 χ^2/NDF:481695051359029361448331509760.0/6

+ sign 741.546+/-0.000 χ^2/NDF: 729597989325932

All: 741.549+/-0.000 χ^2/NDF: 160571867169

- sign 741.553+/-0.000 χ^2/NDF: 872813321252568

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.780+/-0.000 χ^2/NDF:5069711764922690603780837212160.0/8

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

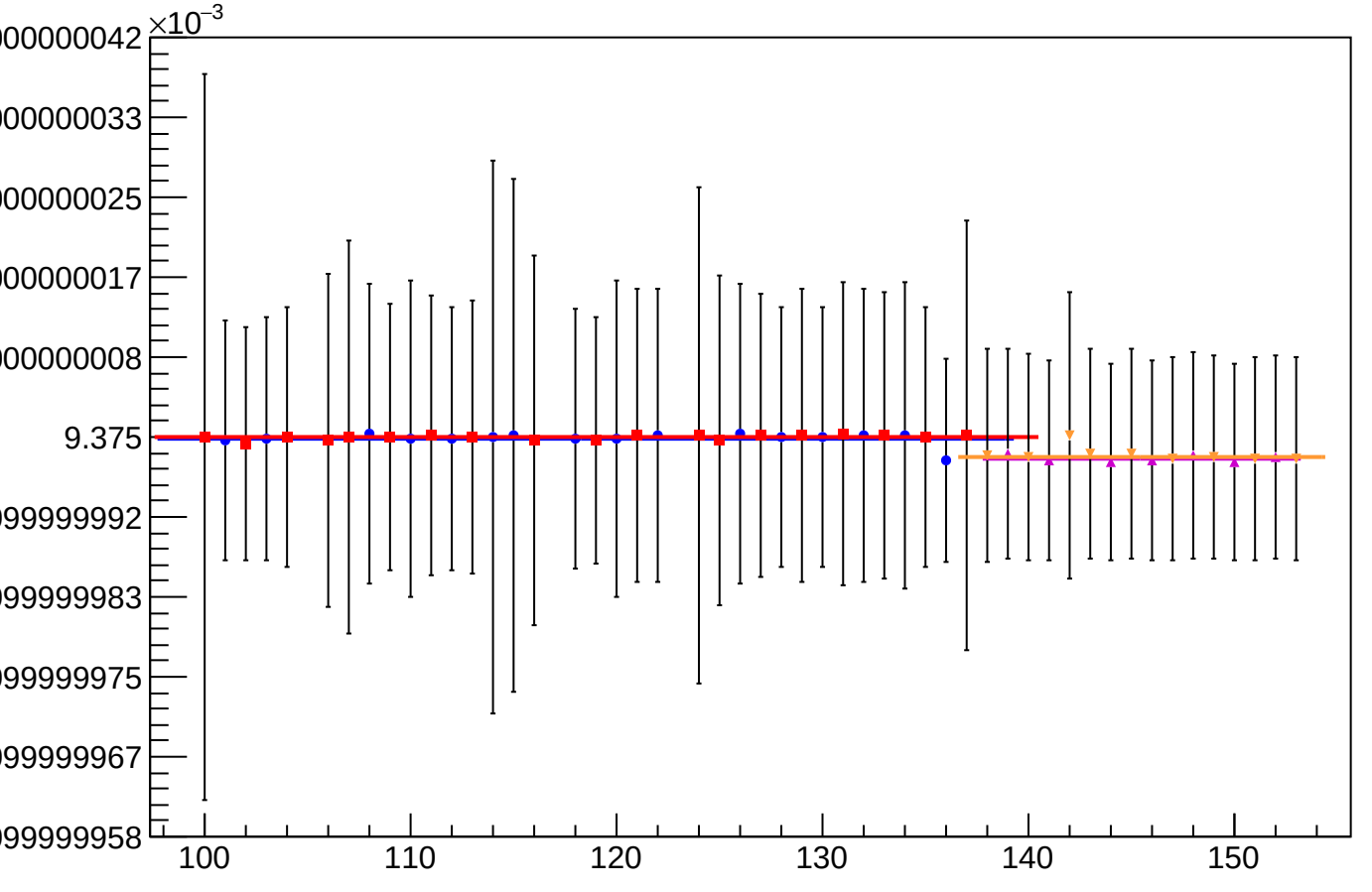
Left In: 980.799+/-0.000 χ^2/NDF:7850992959060939230551547576320.0/6

+ sign 980.792+/-0.000 χ^2/NDF: 164684072507072

All: 980.776+/-0.000 χ^2/NDF: 612044934223

- sign 980.758+/-0.000 χ^2/NDF: 587446347067634

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/8

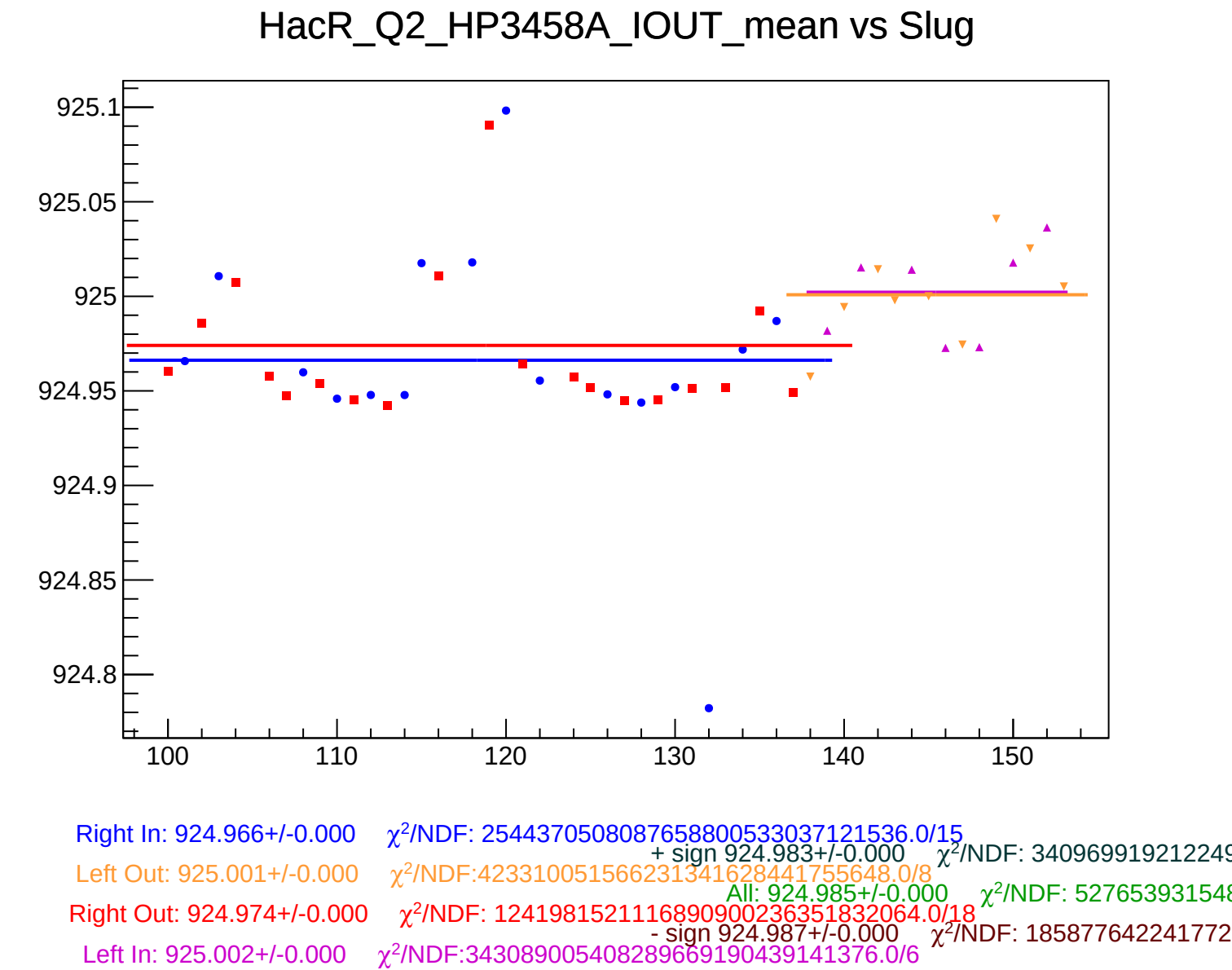
Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

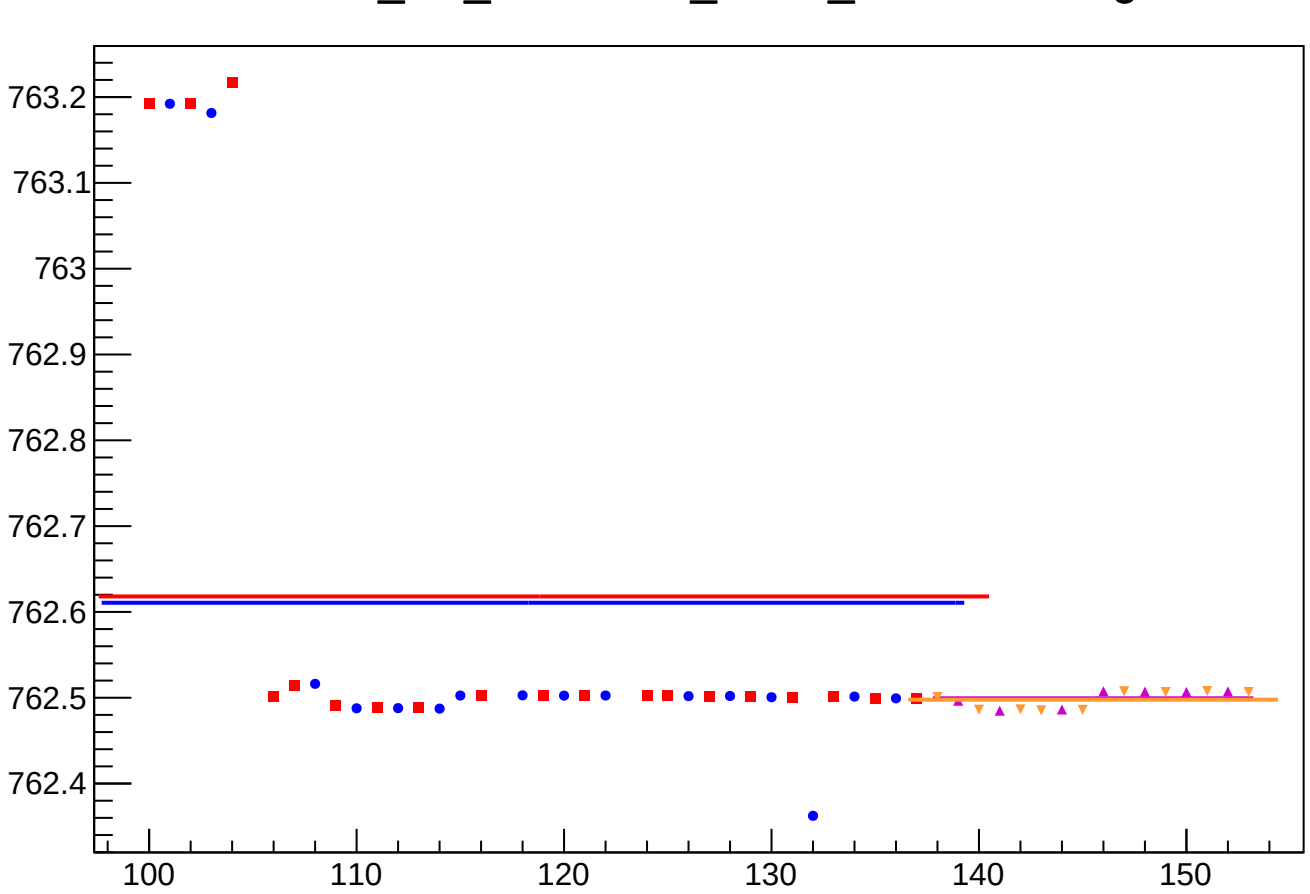
Left In: 0.009+/-0.000 χ^2/NDF:0.0/6

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/24

All: 0.009+/-0.000 χ^2/NDF: 0.4/50

- sign 0.009+/-0.000 χ^2/NDF: 0.2/25


HacR_Q2_HP3458A_IOUT_mean vs Slug
925.1
925.05
925
924.95
924.9
924.85
924.8
100
110
120
130
140
150
Right In: 924.966+/-0.000 χ²/NDF: 2544370508087658800533037121536.0/15
Left Out: 925.001+/-0.000 χ²/NDF:42331005156623134162844175564 8.0/8
Right Out: 924.974+/-0.000 χ²/NDF: 124198152111689090023635183 2064.0/18
Left In: 925.002+/-0.000 χ²/NDF:34308900540828966919043914137 6.0/6
+ sign 924.983+/-0.000 χ²/NDF: 340969919212249
All: 924.985+/-0.000 χ²/NDF: 527653931548
- sign 924.987+/-0.000 χ²/NDF: 185877642241772



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.498+/-0.000 χ^2/NDF:74568101333305849389195984896.0/8

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

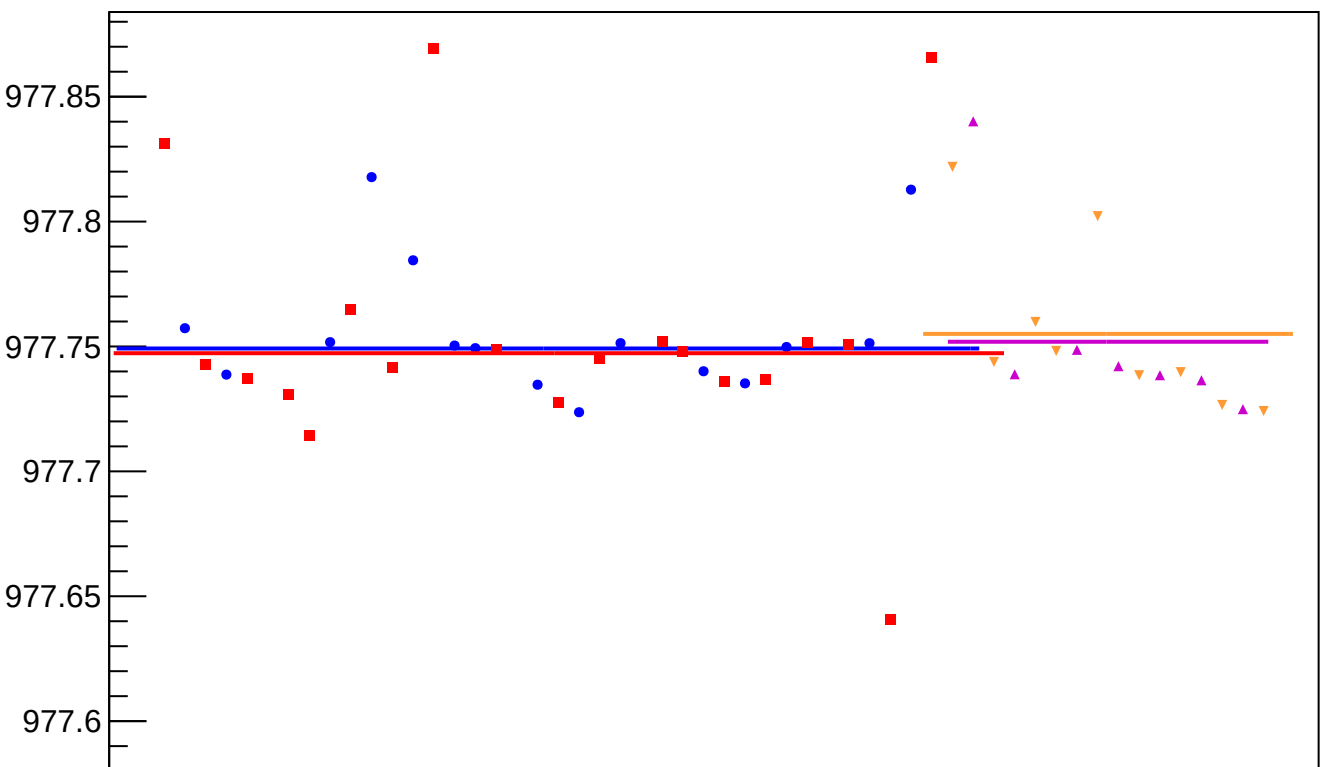
Left In: 762.499+/-0.000 χ^2/NDF:58558696964742748446690115584.0/6

+ sign 762.554+/-0.000 χ^2/NDF: 569412806631600

All: 762.559+/-0.000 χ^2/NDF: 11507499568

- sign 762.564+/-0.000 χ^2/NDF: 580655625709316

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.755+/-0.000 χ^2/NDF:76496572687361191416351319654 4.0/8

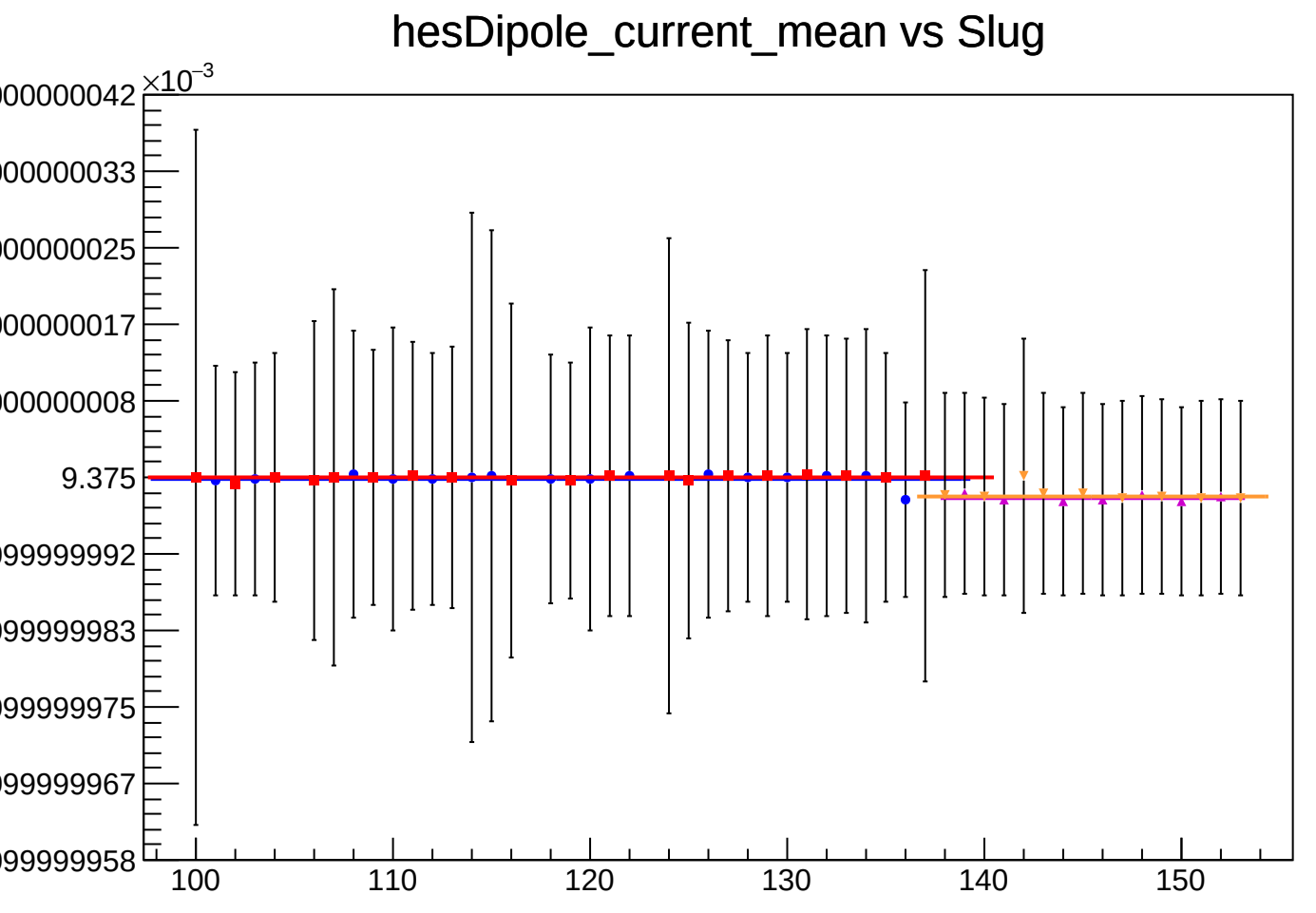
Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623 6672.0/18

Left In: 977.752+/-0.000 χ^2/NDF:78218323670320079537034389094 4.0/6

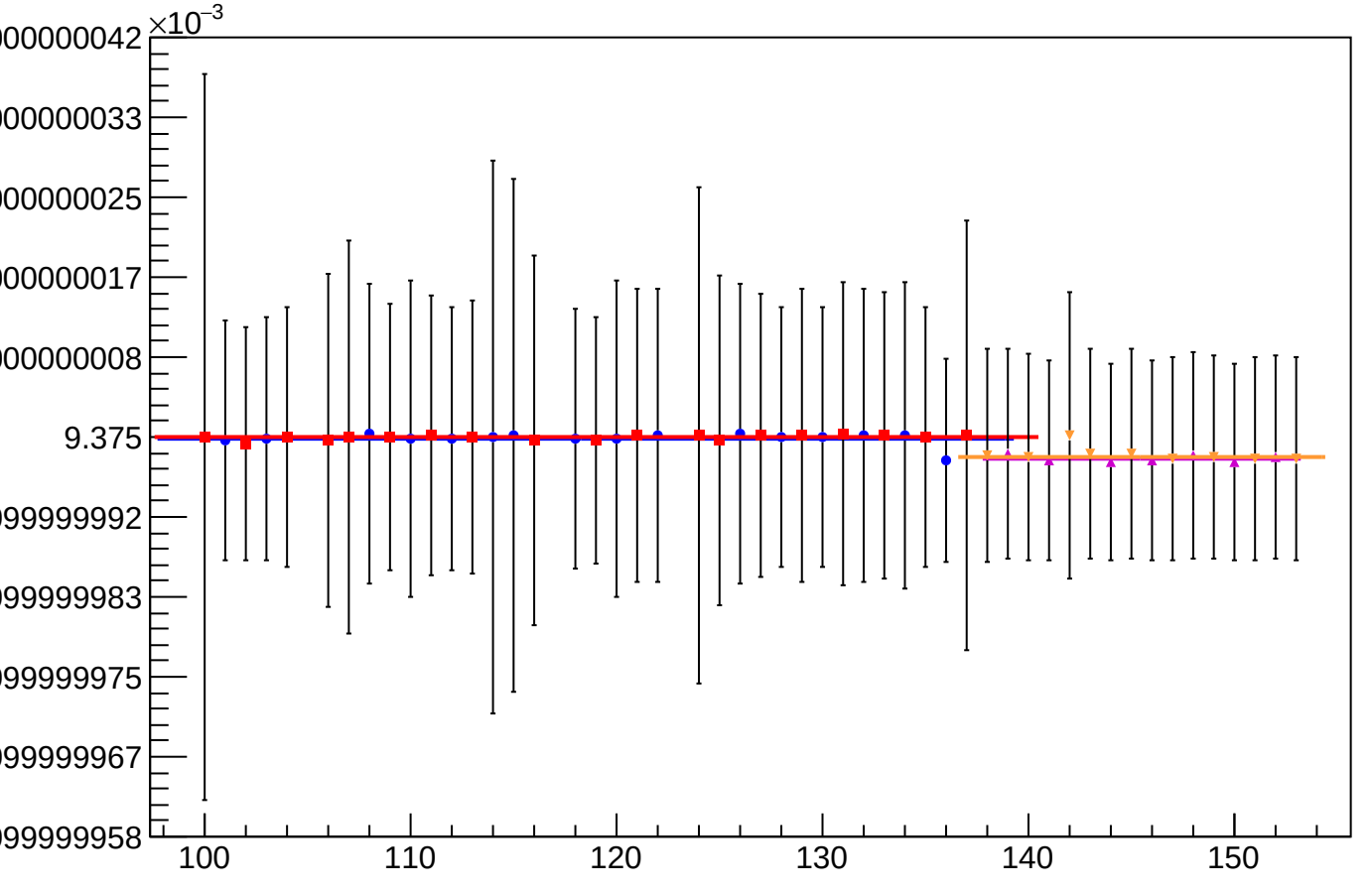
+ sign 977.752+/-0.000 χ^2/NDF: 273713742989588

All: 977.751+/-0.000 χ^2/NDF: 531411776902

- sign 977.749+/-0.000 χ^2/NDF: 257168388711039


hesDipole_current_mean vs Slug
×10⁻³
100
110
120
130
140
150
9.375
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/8
Right Out: 0.009+/-0.000 χ²/NDF: 0.0/18
Left In: 0.009+/-0.000 χ²/NDF:0.0/6
+ sign 0.009+/-0.000 χ²/NDF: 0.2/24
All: 0.009+/-0.000 χ²/NDF: 0.4/50
- sign 0.009+/-0.000 χ²/NDF: 0.2/25

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/8

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/6

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/24

All: 0.009+/-0.000 χ^2/NDF: 0.4/50

- sign 0.009+/-0.000 χ^2/NDF: 0.2/25

VWienAngle_mean vs Slug

Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:2927847.8/8

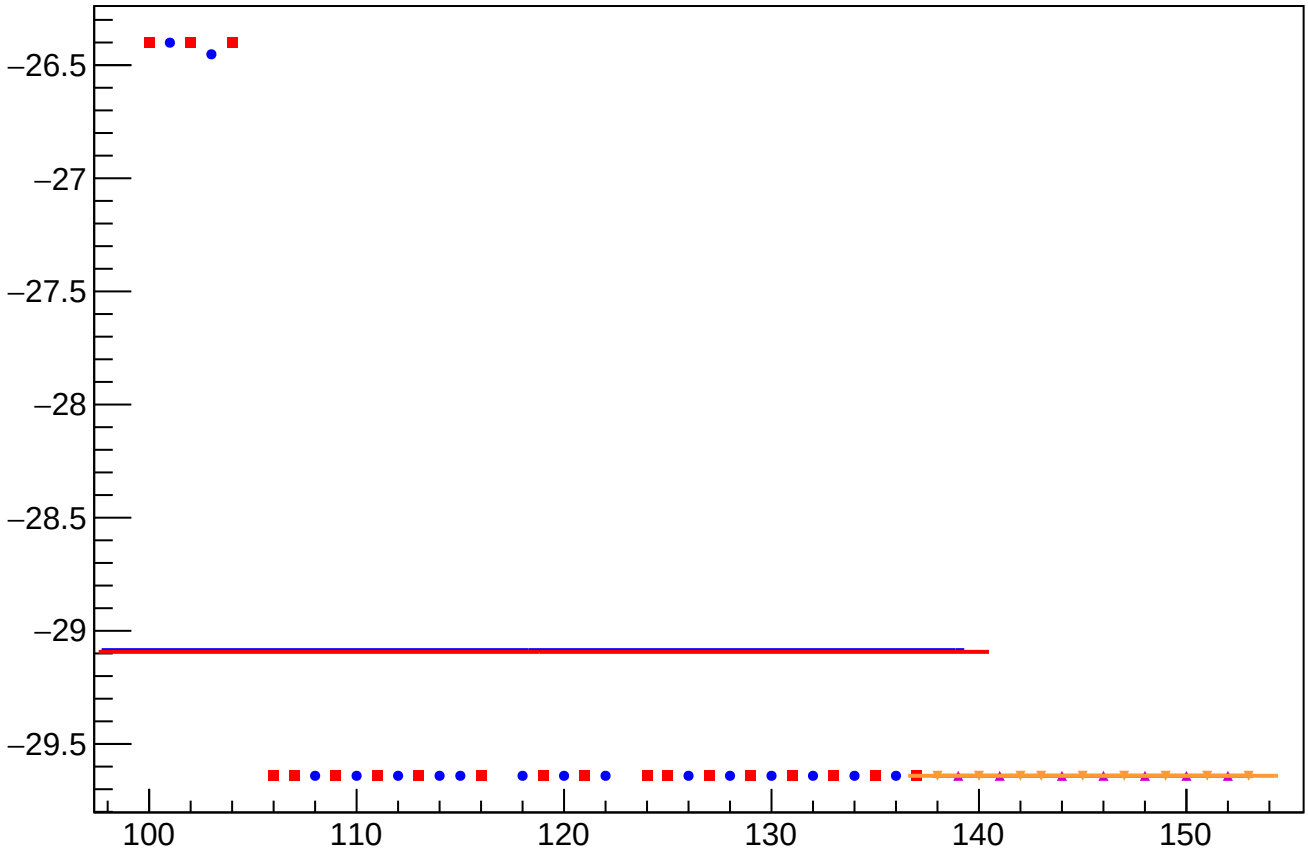
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360.0/18

Left In: -90.599+/-0.000 χ^2/NDF:872417.1/6

+ sign -0.876+/-0.000 χ^2/NDF: 1176210783473896

All: 2.963+/-0.000 χ^2/NDF: 2284297893797

- sign 7.018+/-0.000 χ^2/NDF: 11036182922023507



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:172880.4/8

Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:23337.7/6

+ sign -29.362+/-0.000 χ^2/NDF: 120807386219854

All: -29.352+/-0.000 χ^2/NDF: 243742707245

- sign -29.341+/-0.000 χ^2/NDF: 122905389455587

Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1470.816+/-0.000 χ^2/NDF: 1174891533432

Left Out: 1468.140+/-0.000 χ^2/NDF:13028439164723760984316916950630 4.0/8

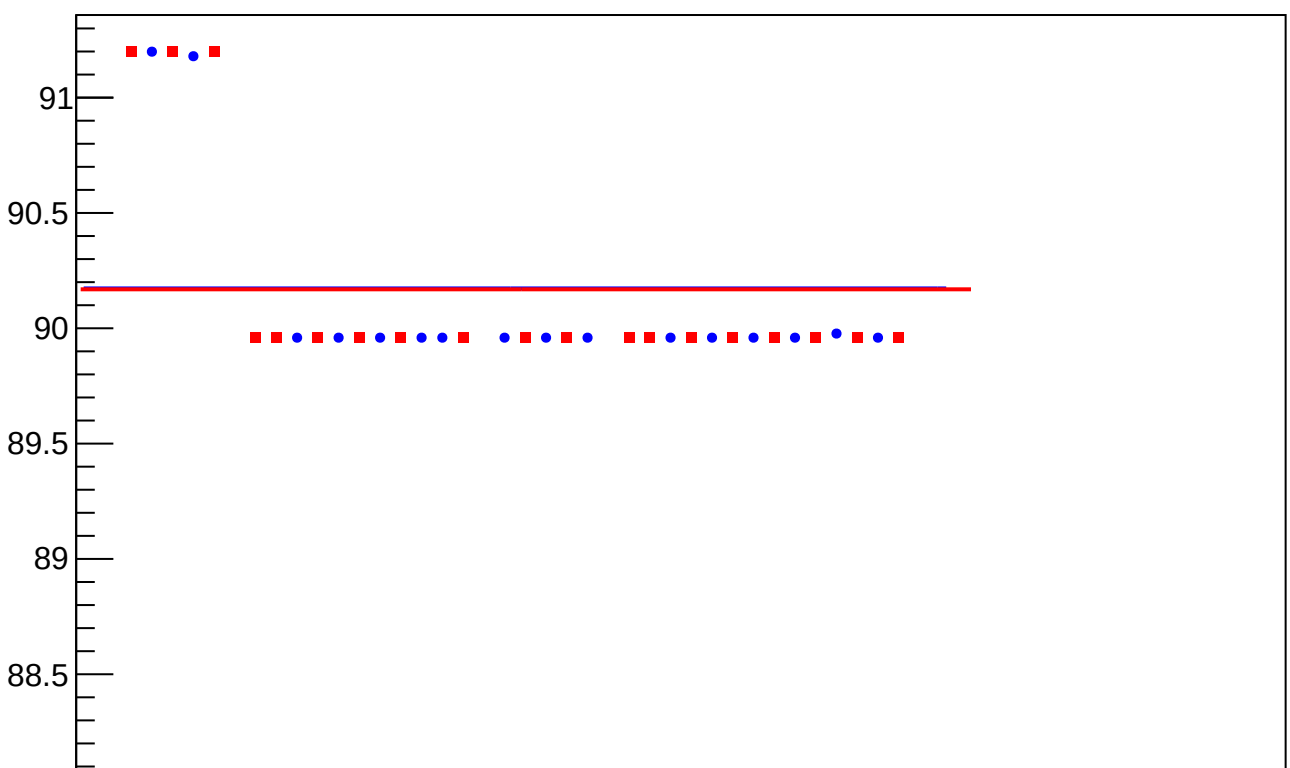
All: 1470.876+/-0.000 χ^2/NDF: 237539394 65

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

- sign 1470.940+/-0.000 χ^2/NDF: 120039373082 13

Left In: 1467.982+/-0.000 χ^2/NDF:30594628742894944602969604096.0/6

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:3185332.0/8

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: 88.021+/-0.000 χ^2/NDF:510929.4/6

+ sign 89.102+/-0.000 χ^2/NDF: 1867777301180578

All: 89.147+/-0.000 χ^2/NDF: 3635442465105

- sign 89.195+/-0.000 χ^2/NDF: 1761460459709063

IGL1I00DI24_24M_mean vs Slug

Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:7542824218014884869177344.0/8

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: 16.009+/-0.000 χ^2/NDF:58565.0/6

+ sign 16.496+/-0.000 χ^2/NDF: 3416413013028915

All: 16.521+/-0.000 χ^2/NDF: 6637228341365

- sign 16.547+/-0.000 χ^2/NDF: 3203673555077628

IGL1I00OD16_16_mean vs Slug

Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:43986.9/8

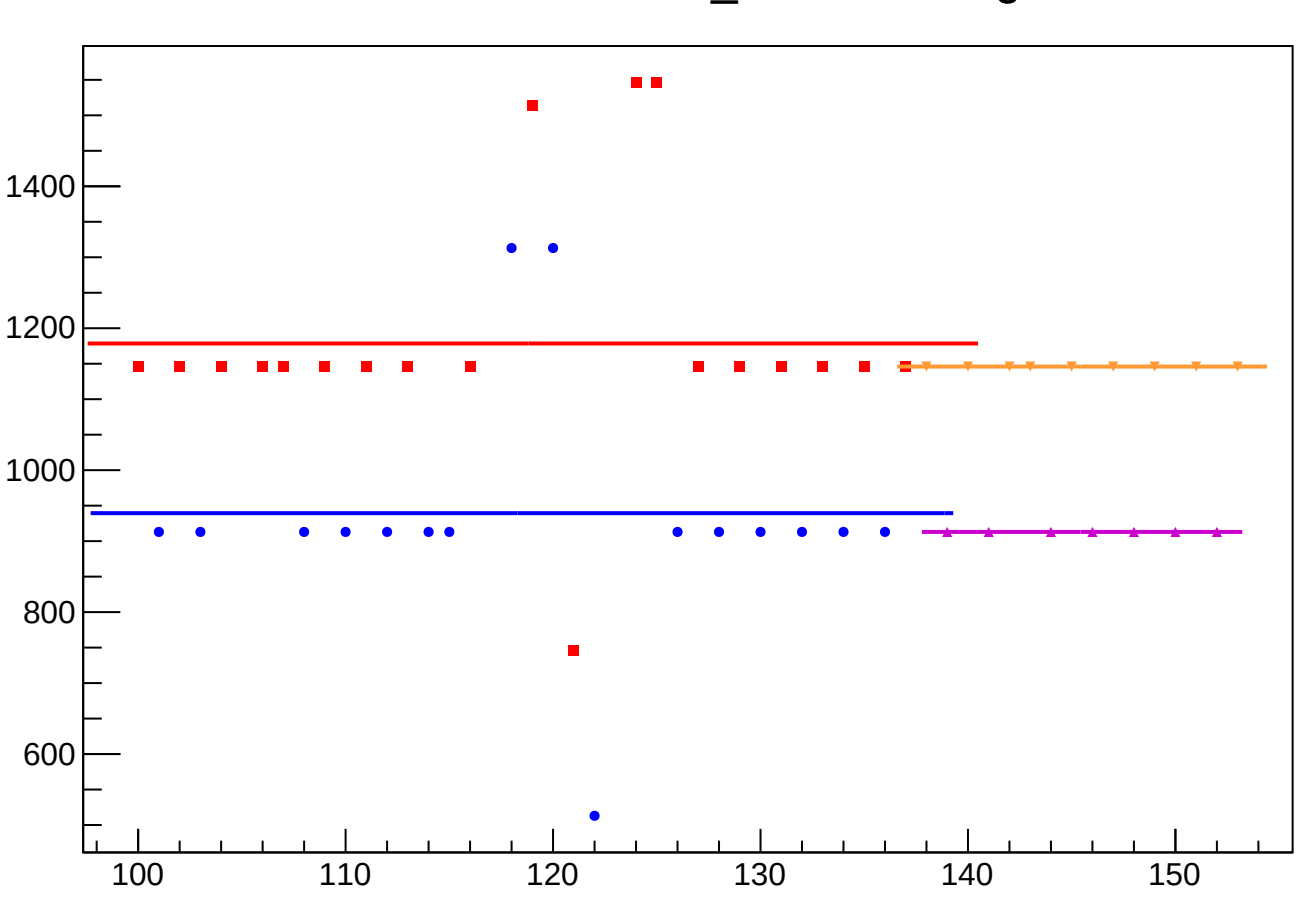
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:10488.7/6

+ sign 16.503+/-0.000 χ^2/NDF: 3579434357541896

All: 16.484+/-0.000 χ^2/NDF: 704164305948

- sign 16.464+/-0.000 χ^2/NDF: 3451487068965226



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1042.238+/-0.000 χ^2/NDF: 36816725271912

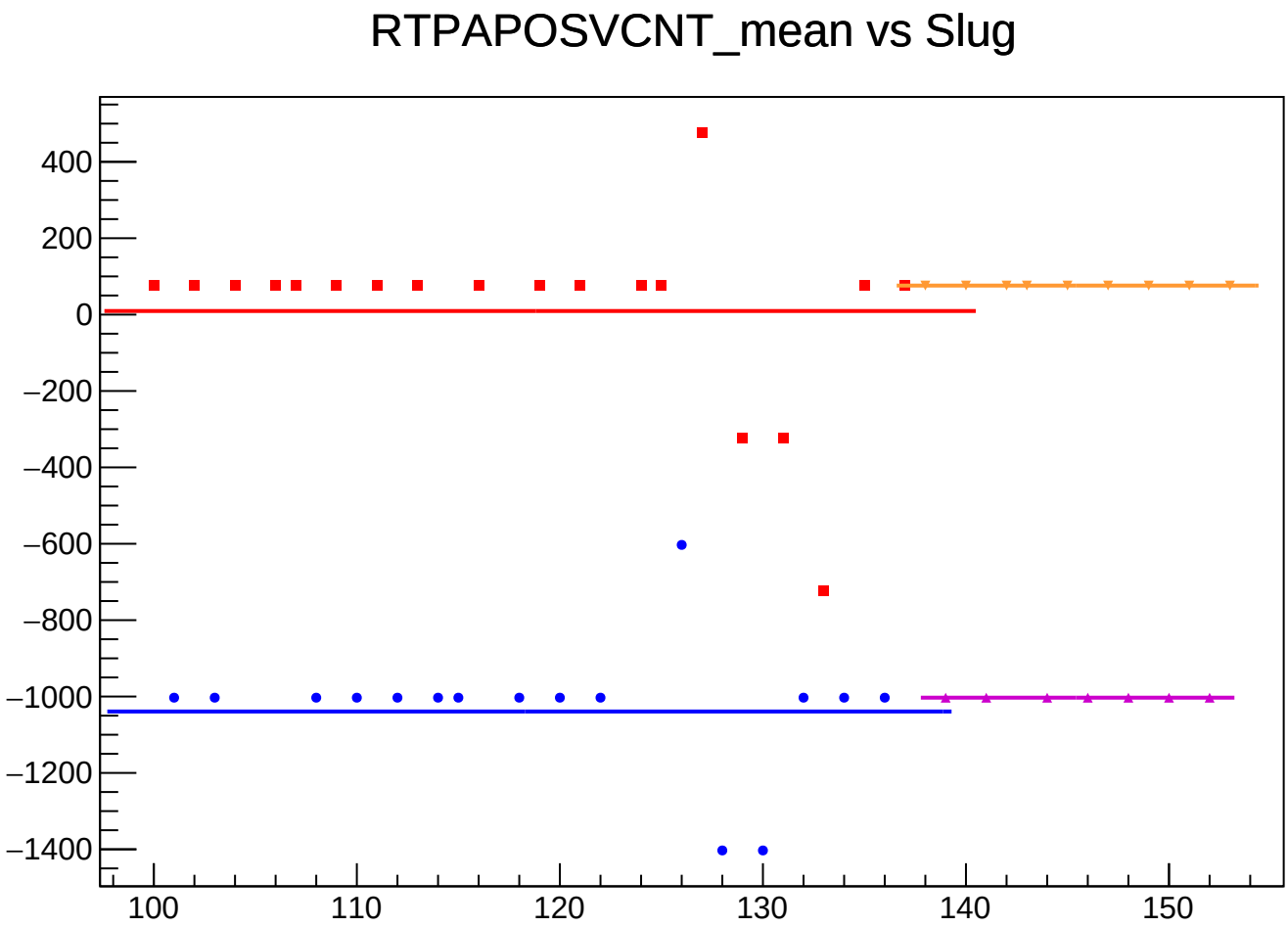
Left Out: 1146.011+/-0.000 χ^2/NDF:2362637310371118266540097536.0/8

All: 1049.959+/-0.000 χ^2/NDF: 8352920218

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1058.116+/-0.000 χ^2/NDF: 46531659504910

Left In: 912.993+/-0.000 χ^2/NDF:887031589781320492086460416 0.0/6



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040/15

+ sign -484.219+/-0.000 χ^2/NDF: 48143665140249

Left Out: 76.010+/-0.000 χ^2/NDF:28429201800827778706052218880/8

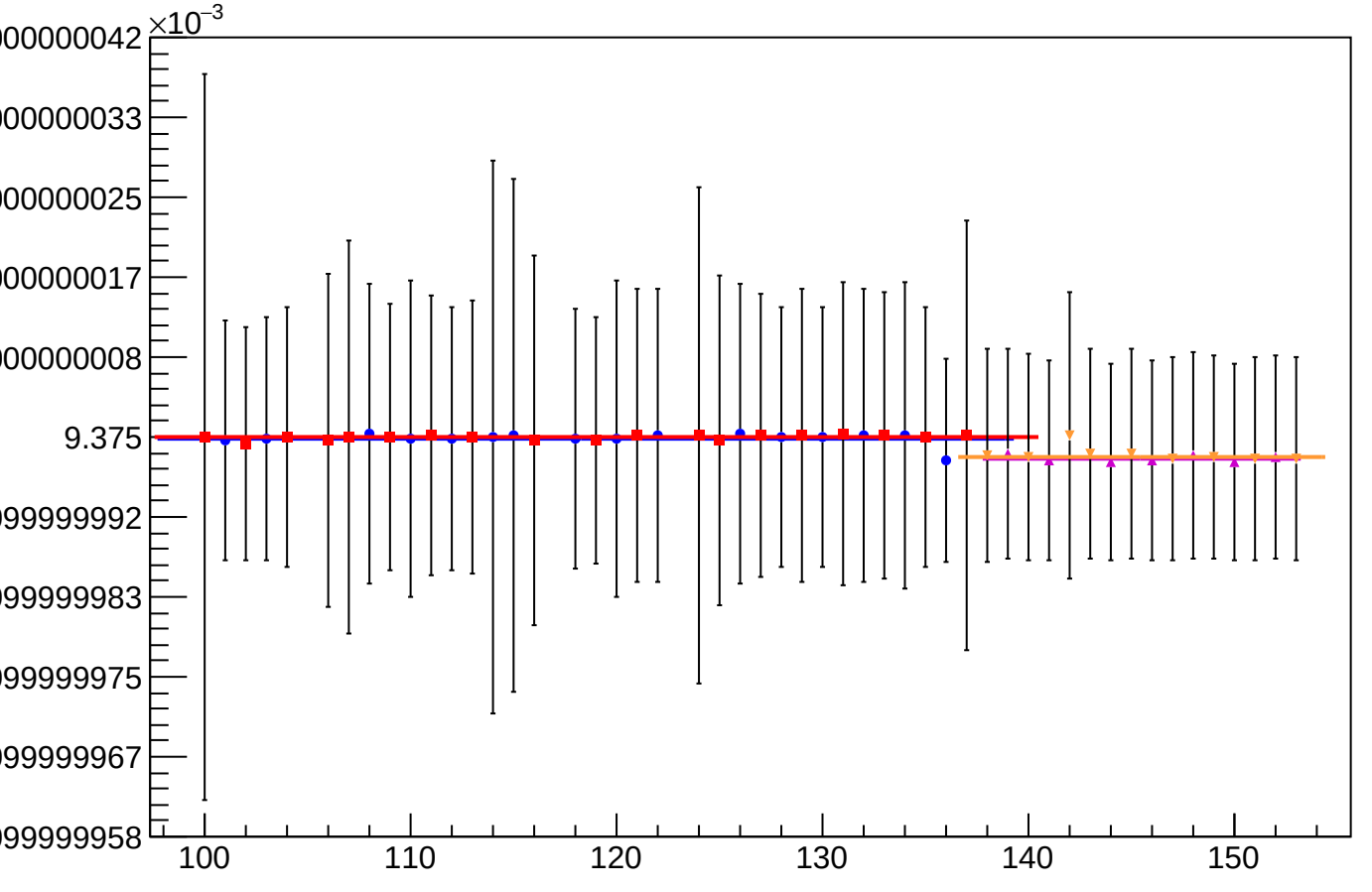
All: -467.405+/-0.000 χ^2/NDF: 8829719929

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920/18

- sign -449.640+/-0.000 χ^2/NDF: 400677757411643

Left In: -1002.989+/-0.000 χ^2/NDF:120312607177400793383410073 6.0/6

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/8

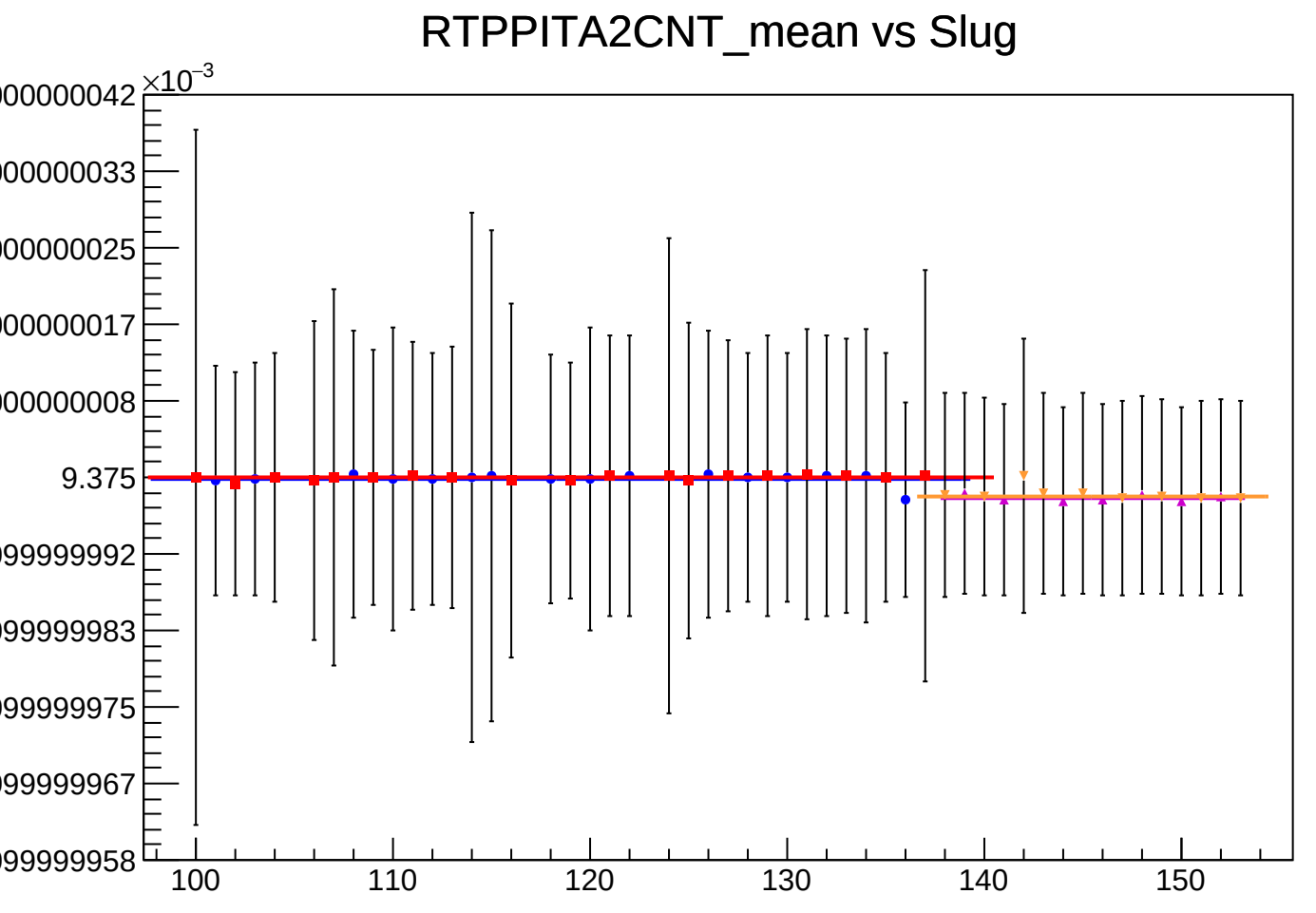
Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/6

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/24

All: 0.009+/-0.000 χ^2/NDF: 0.4/50

- sign 0.009+/-0.000 χ^2/NDF: 0.2/25


RTPPITA2CNT_mean vs Slug
×10⁻³
100
110
120
130
140
150
9.375
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/8
Right Out: 0.009+/-0.000 χ²/NDF: 0.0/18
Left In: 0.009+/-0.000 χ²/NDF:0.0/6
+ sign 0.009+/-0.000 χ²/NDF: 0.2/24
All: 0.009+/-0.000 χ²/NDF: 0.4/50
- sign 0.009+/-0.000 χ²/NDF: 0.2/25