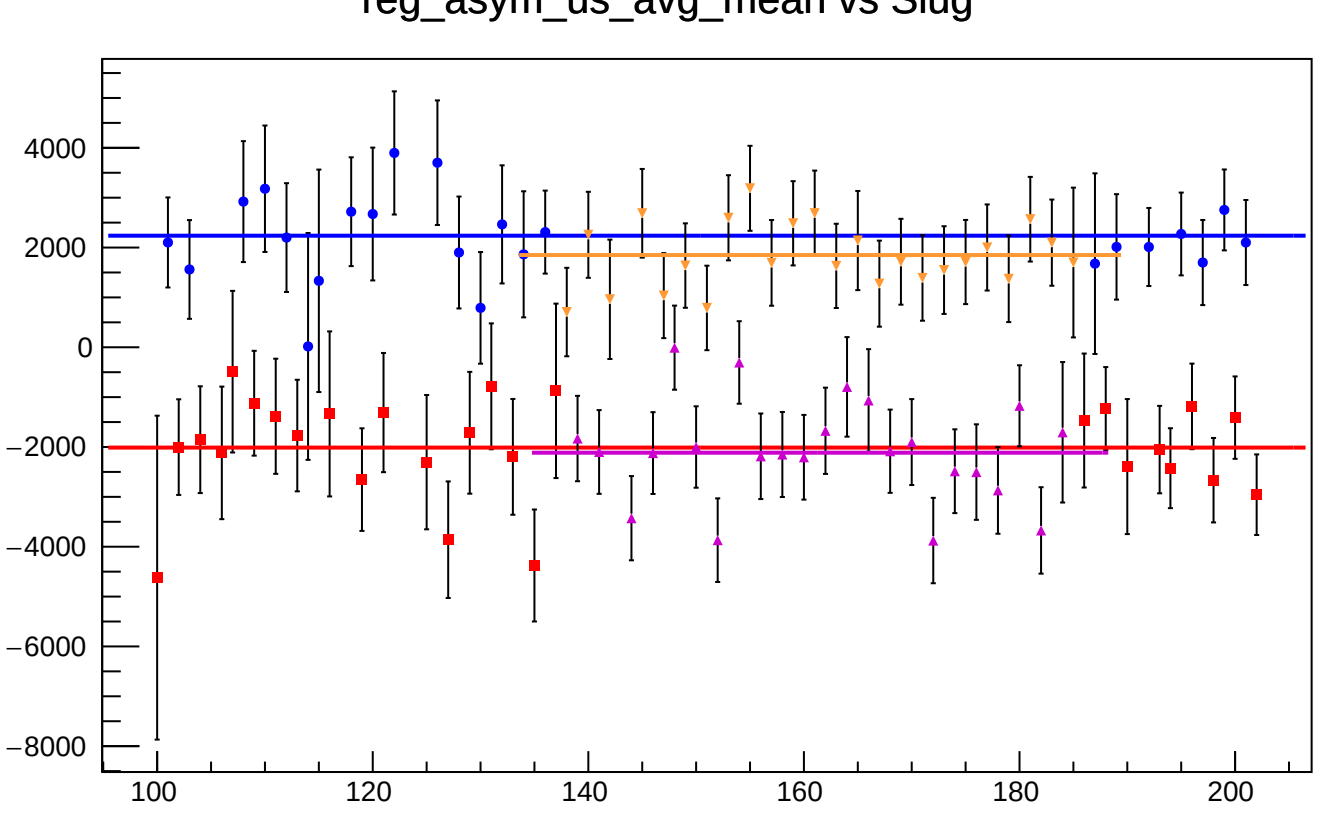


Right In: 2237.868+/-221.388 χ^2/NDF: 8.9/22

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: -2011.749+/-208.267 χ^2/NDF: 16.8/26

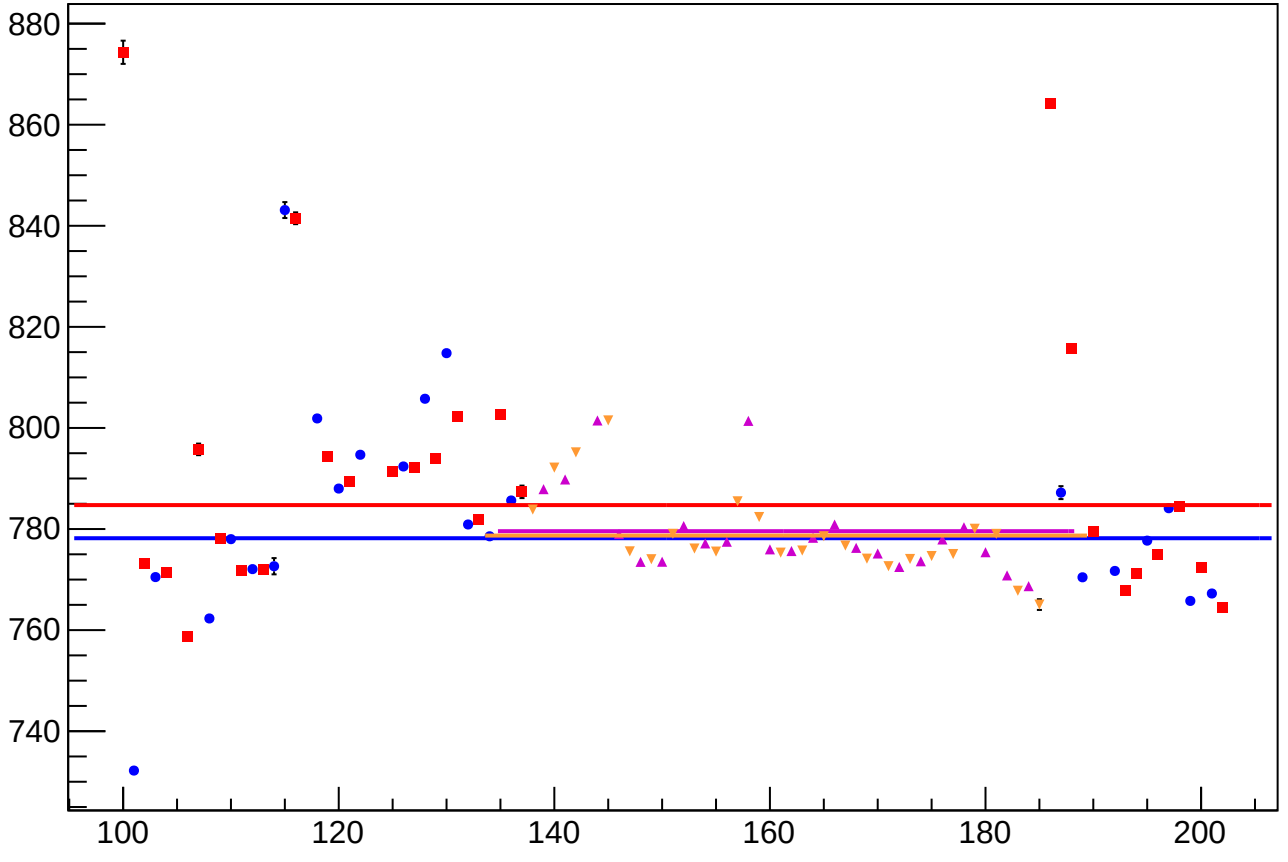
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2004.879+/-140.007 χ^2/NDF: 23.6/46

All: -75.931+/-97.940 χ^2/NDF: 504.1/96

- sign -2069.968+/-137.057 χ^2/NDF: 48.0/49

reg_asym_us_avg_rms vs Slug



Right In: 778.182+/-0.157 χ^2/NDF: 13791.9/22

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 784.737+/-0.147 χ^2/NDF: 20373.4/26

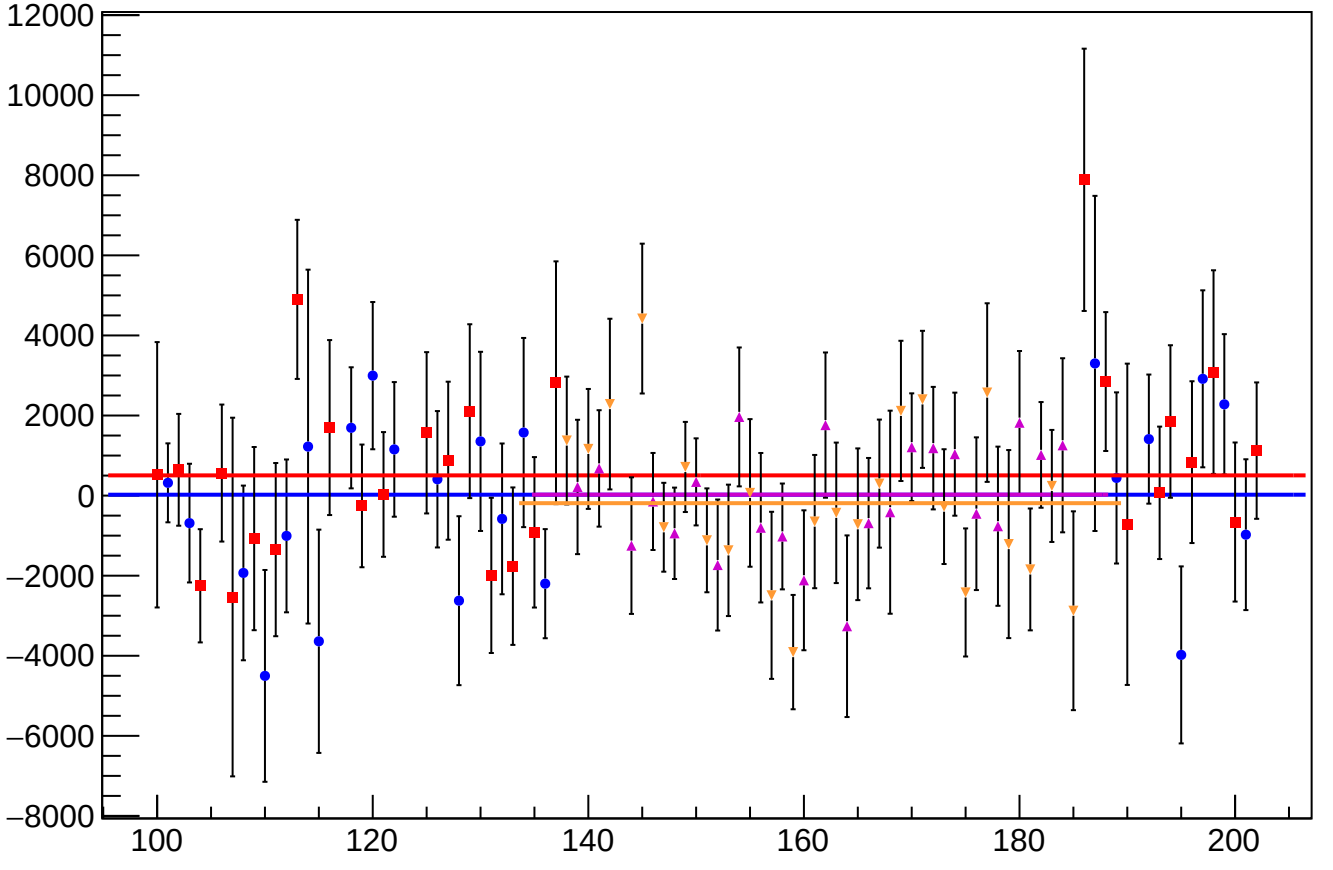
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 778.498+/-0.099 χ^2/NDF: 17188.5/46

All: 780.189+/-0.069 χ^2/NDF: 43003.1/96

- sign 781.810+/-0.097 χ^2/NDF: 25243.0/49

asym_us_avg_reg_correction_mean vs Slug



Right In: 22.228+/-382.785 χ^2/NDF: 23.9/22

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: 505.129+/-379.012 χ^2/NDF: 25.1/26

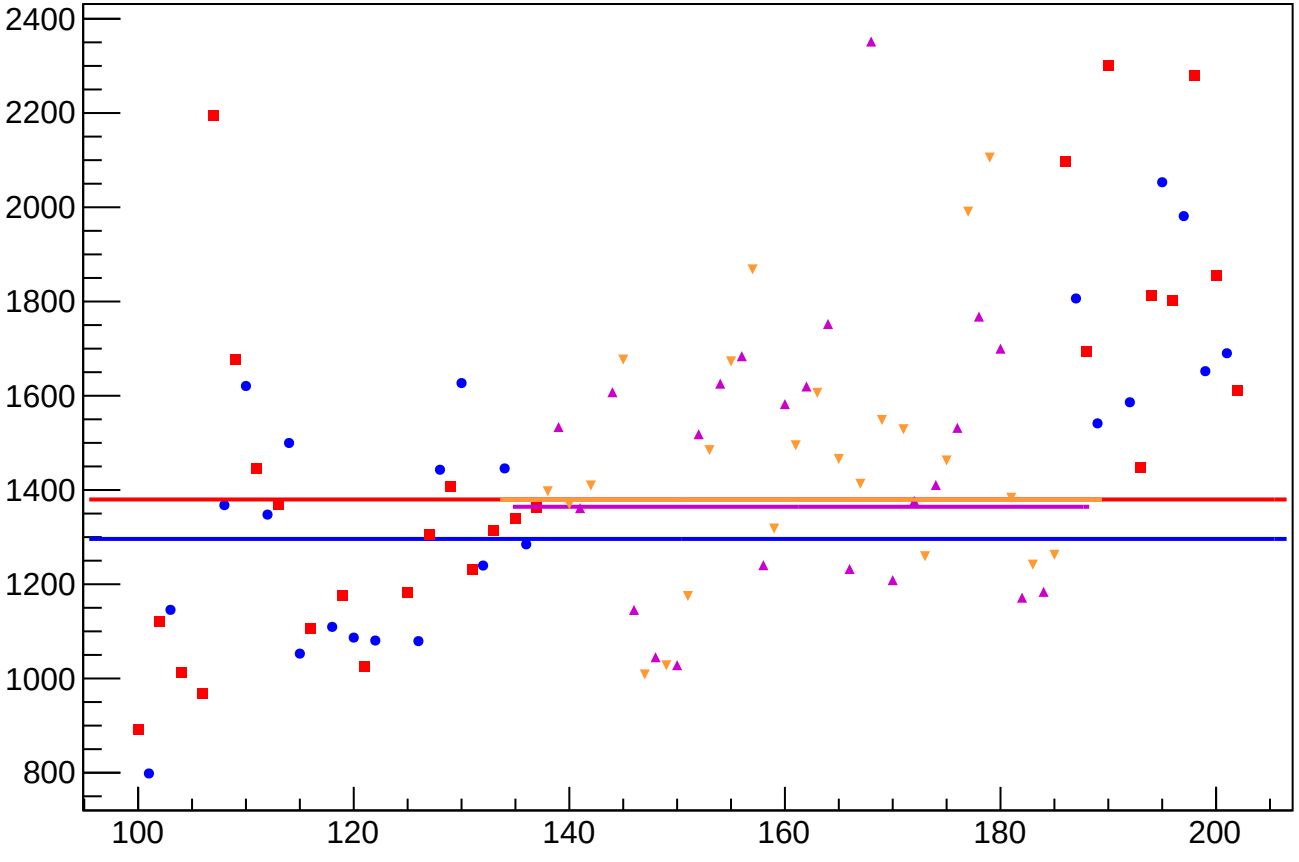
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -99.676+/-248.926 χ^2/NDF: 53.7/46

All: 65.545+/-175.357 χ^2/NDF: 94.1/96

\- sign 228.309+/-247.069 χ^2/NDF: 39.5/49

asym_us_avg_reg_correction_rms vs Slug



Right In: 1296.158+/-0.271 χ^2/NDF: 1486158.5/22

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

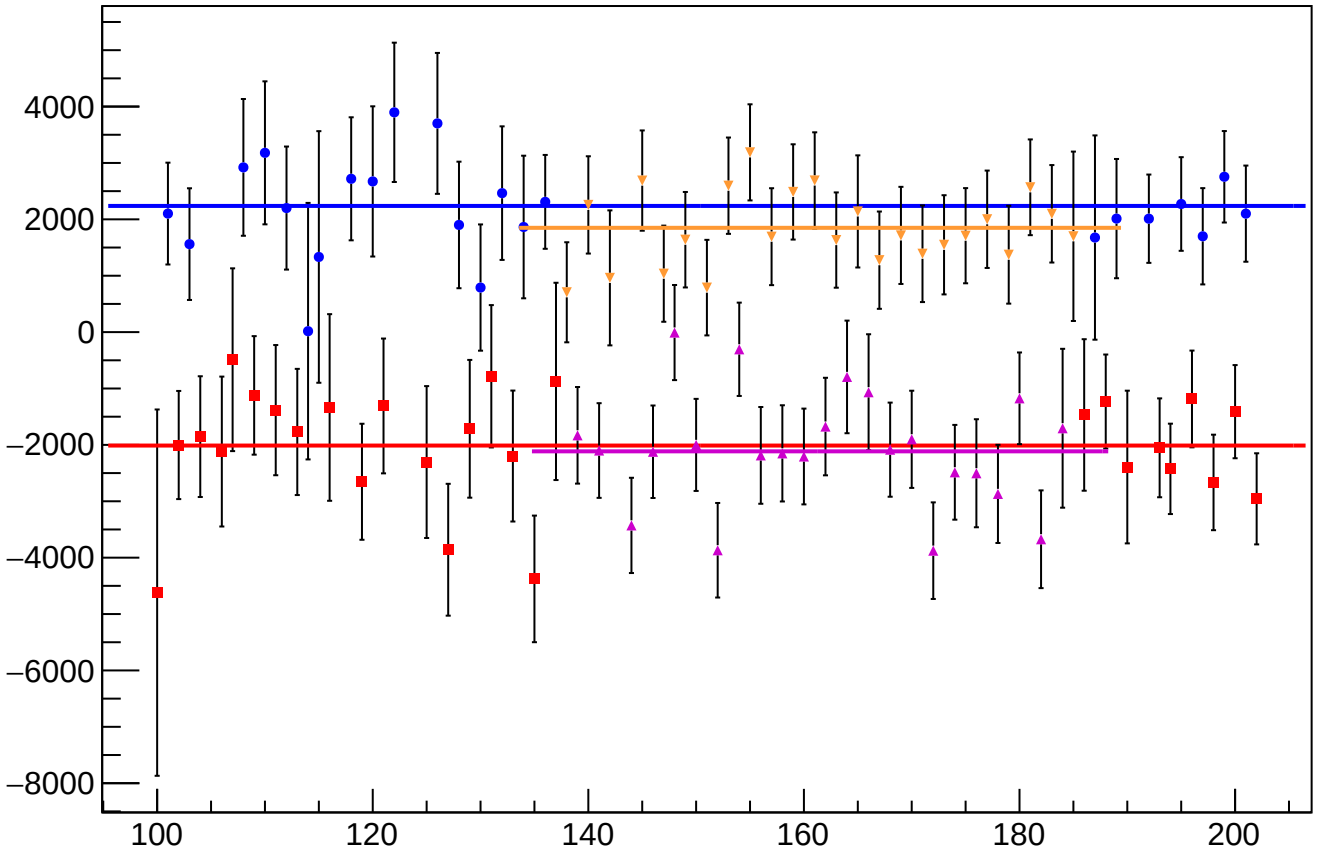
Right Out: 1379.901+/-0.268 χ^2/NDF: 1535674.4/26

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1344.276+/-0.176 χ^2/NDF: 2699388.6/46

All: 1357.735+/-0.124 χ^2/NDF: 5560889.9/96

- sign 1370.994+/-0.175 χ^2/NDF: 2849894.7/49



Right In: 2237.868+/-221.388 χ^2/NDF: 8.9/22

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: -2011.749+/-208.267 χ^2/NDF: 16.8/26

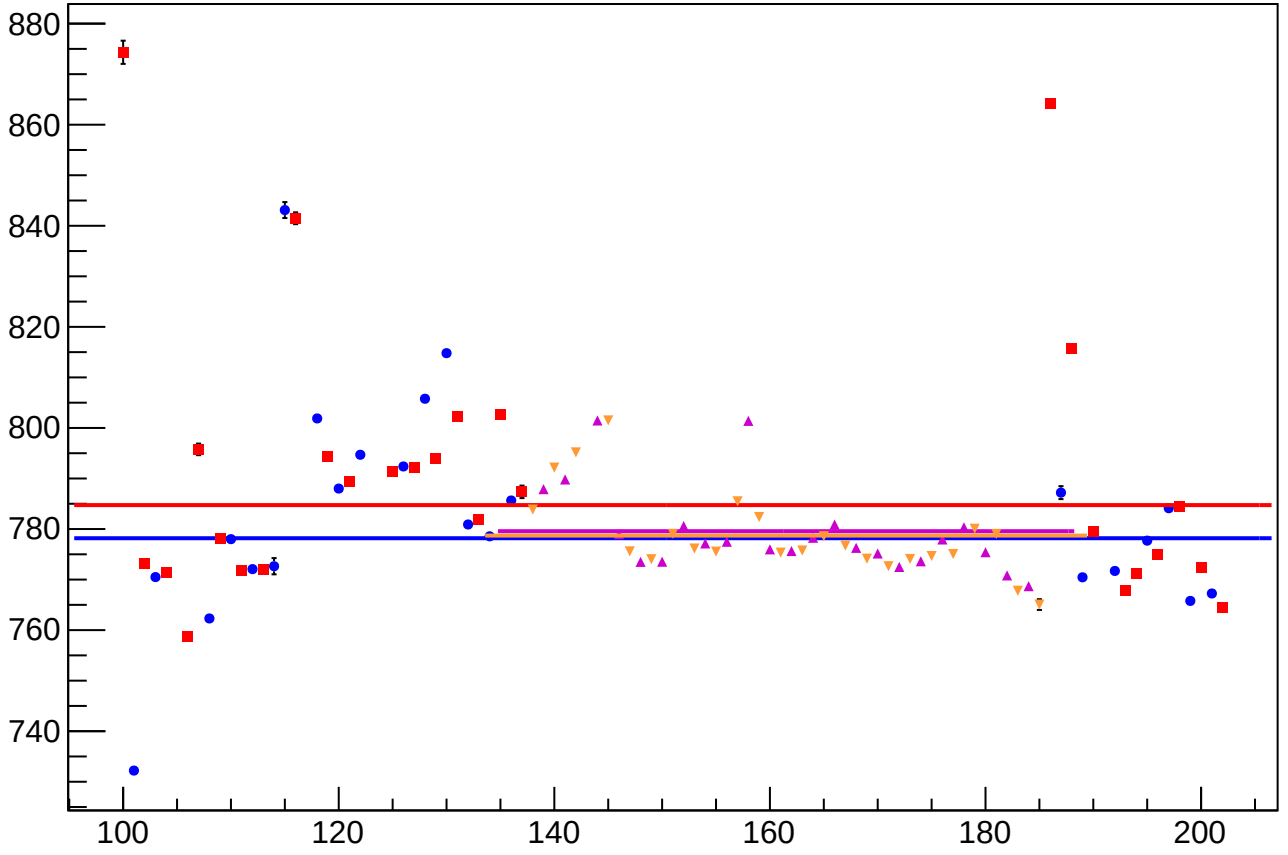
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2004.879+/-140.007 χ^2/NDF: 23.6/46

All: -75.931+/-97.940 χ^2/NDF: 504.1/96

- sign -2069.968+/-137.057 χ^2/NDF: 48.0/49

cor_asym_us_avg_rms vs Slug



Right In: 778.182+/-0.157 χ^2/NDF: 13791.9/22

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 784.737+/-0.147 χ^2/NDF: 20373.4/26

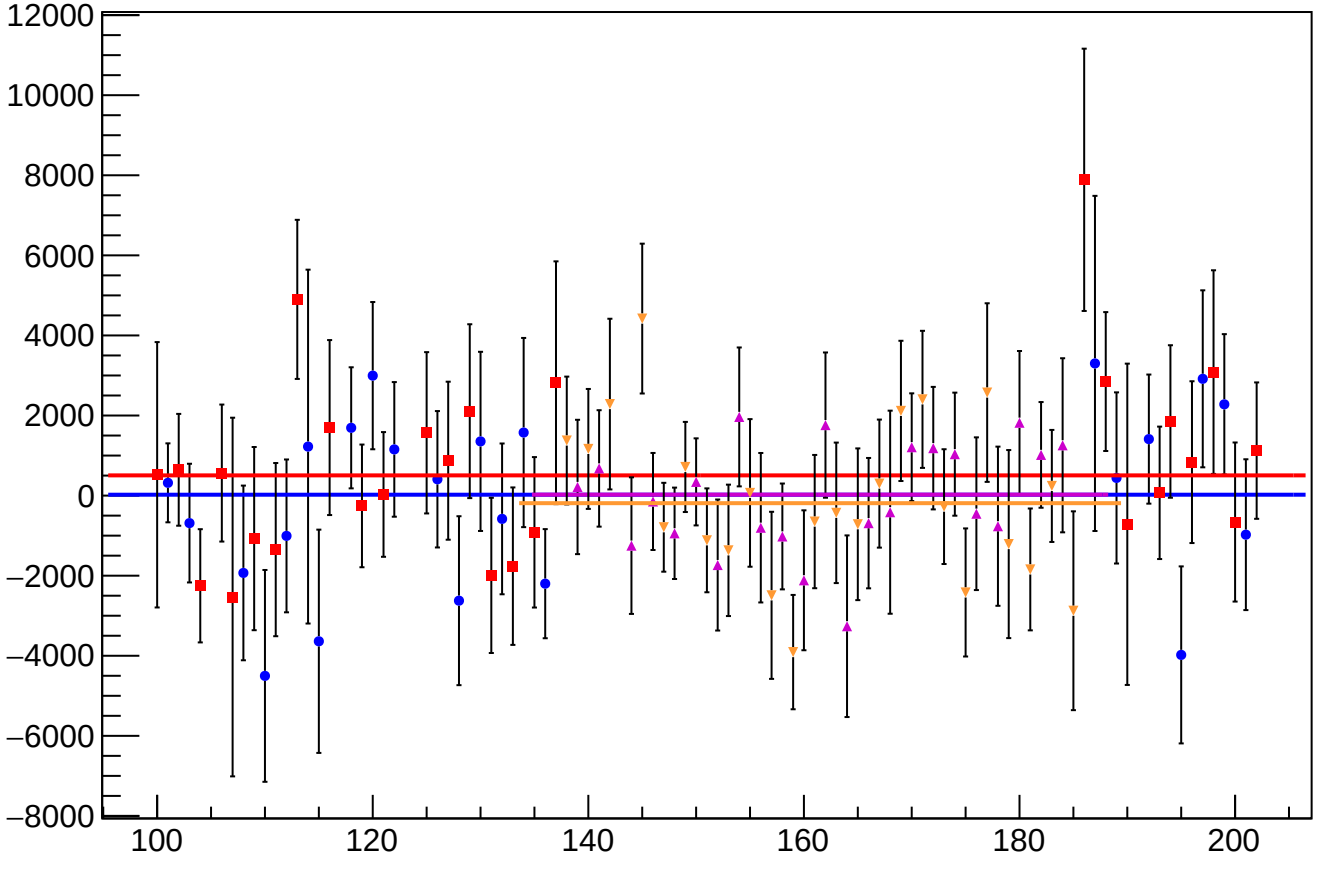
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 778.498+/-0.099 χ^2/NDF: 17188.5/46

All: 780.189+/-0.069 χ^2/NDF: 43003.1/96

- sign 781.810+/-0.097 χ^2/NDF: 25243.0/49

asym_us_avg_cor_correction_mean vs Slug



Right In: 22.228+/-382.785 χ^2/NDF: 23.9/22

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: 505.129+/-379.012 χ^2/NDF: 25.1/26

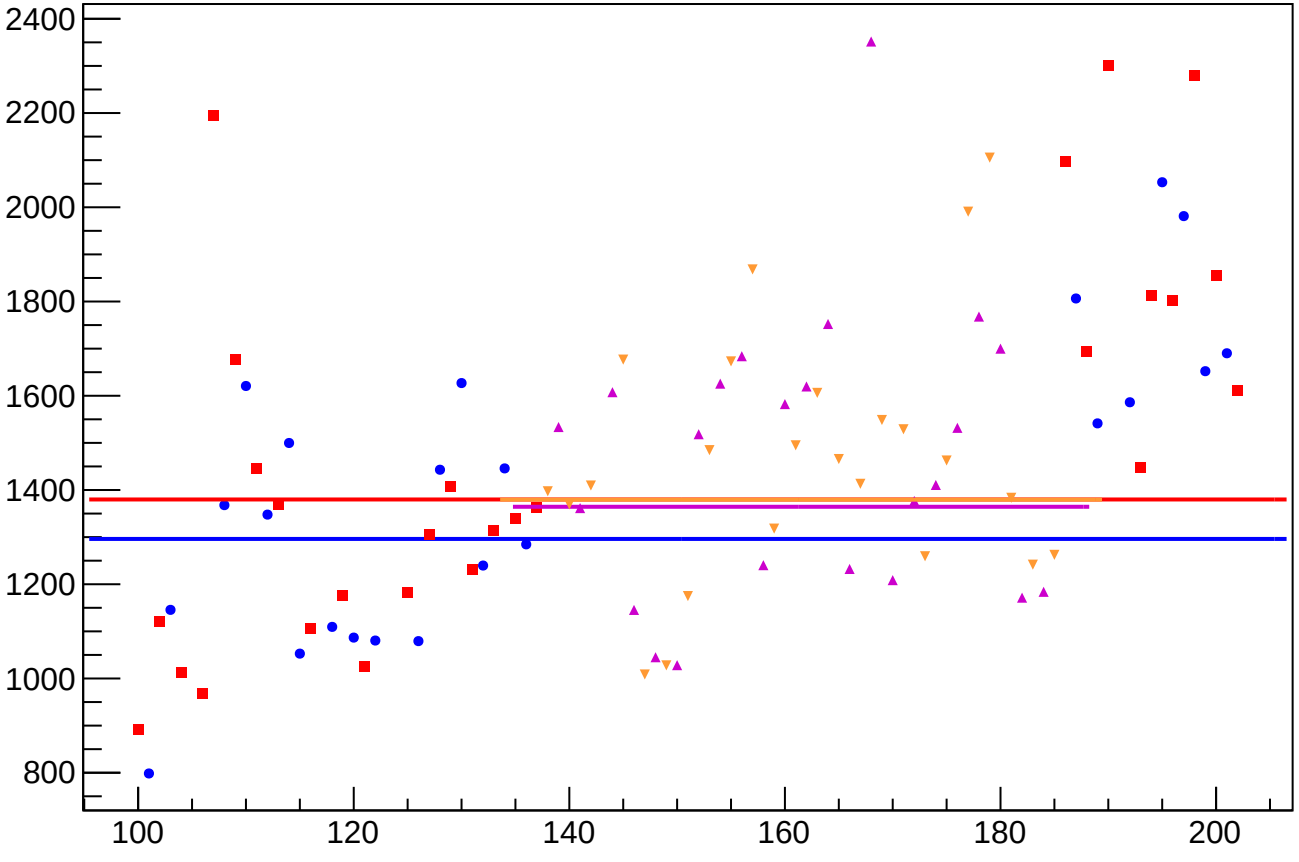
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -99.676+/-248.926 χ^2/NDF: 53.7/46

All: 65.545+/-175.357 χ^2/NDF: 94.1/96

\- sign 228.309+/-247.069 χ^2/NDF: 39.5/49

asym_us_avg_cor_correction_rms vs Slug



Right In: 1296.158+/-0.271 χ^2/NDF: 1486158.5/22

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

Right Out: 1379.901+/-0.268 χ^2/NDF: 1535674.4/26

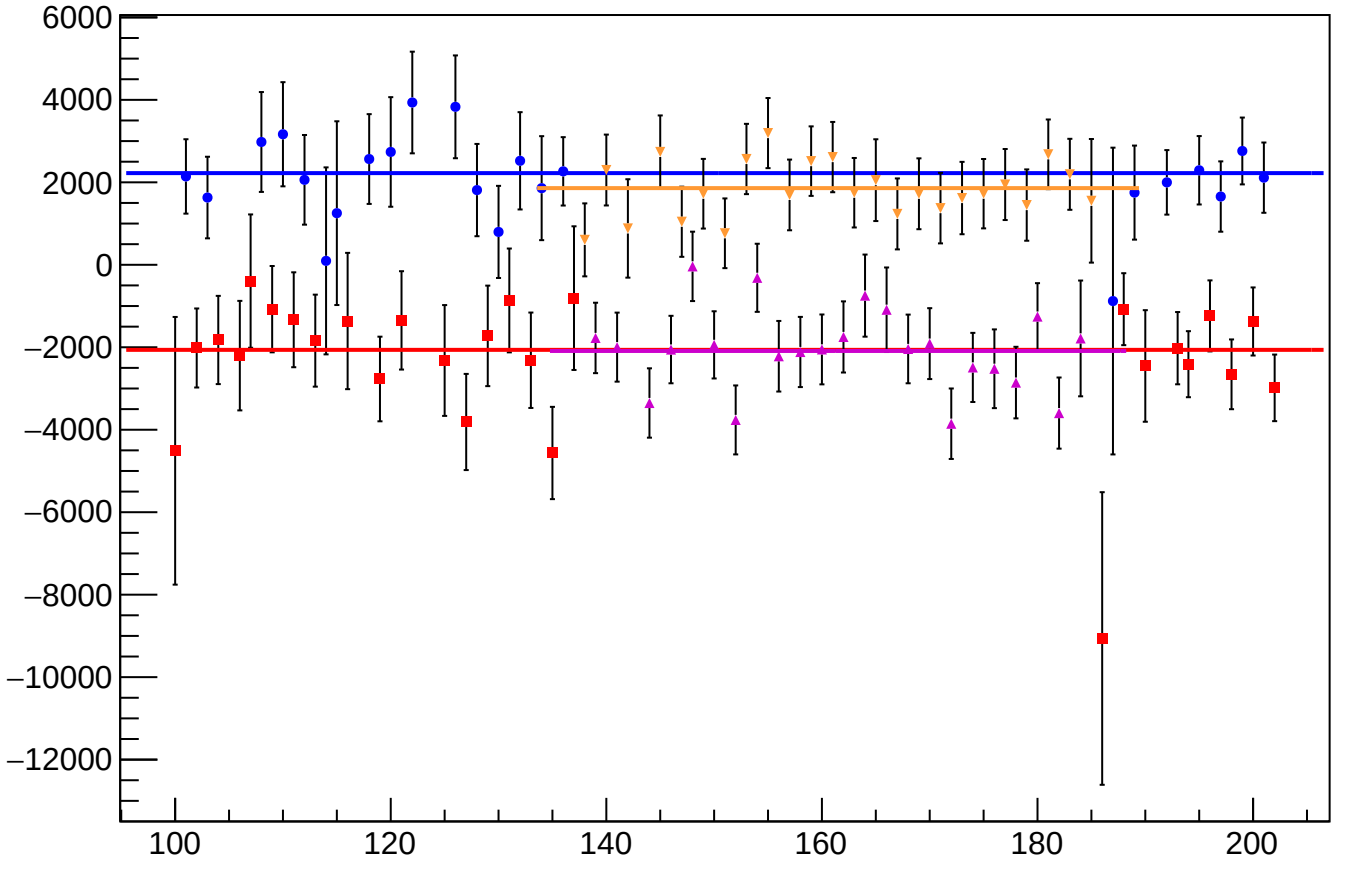
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1344.276+/-0.176 χ^2/NDF: 2699388.6/46

All: 1357.735+/-0.124 χ^2/NDF: 5560889.9/96

- sign 1370.994+/-0.175 χ^2/NDF: 2849894.7/49

overload_cor_asym_us_avg_mean vs Slug



Right In: 2223.462+/-222.957 χ^2/NDF: 10.0/22

Left Out: 1859.528+/-180.231 χ^2/NDF:13.5/23

Right Out: -2062.749+/-210.756 χ^2/NDF: 21.7/26

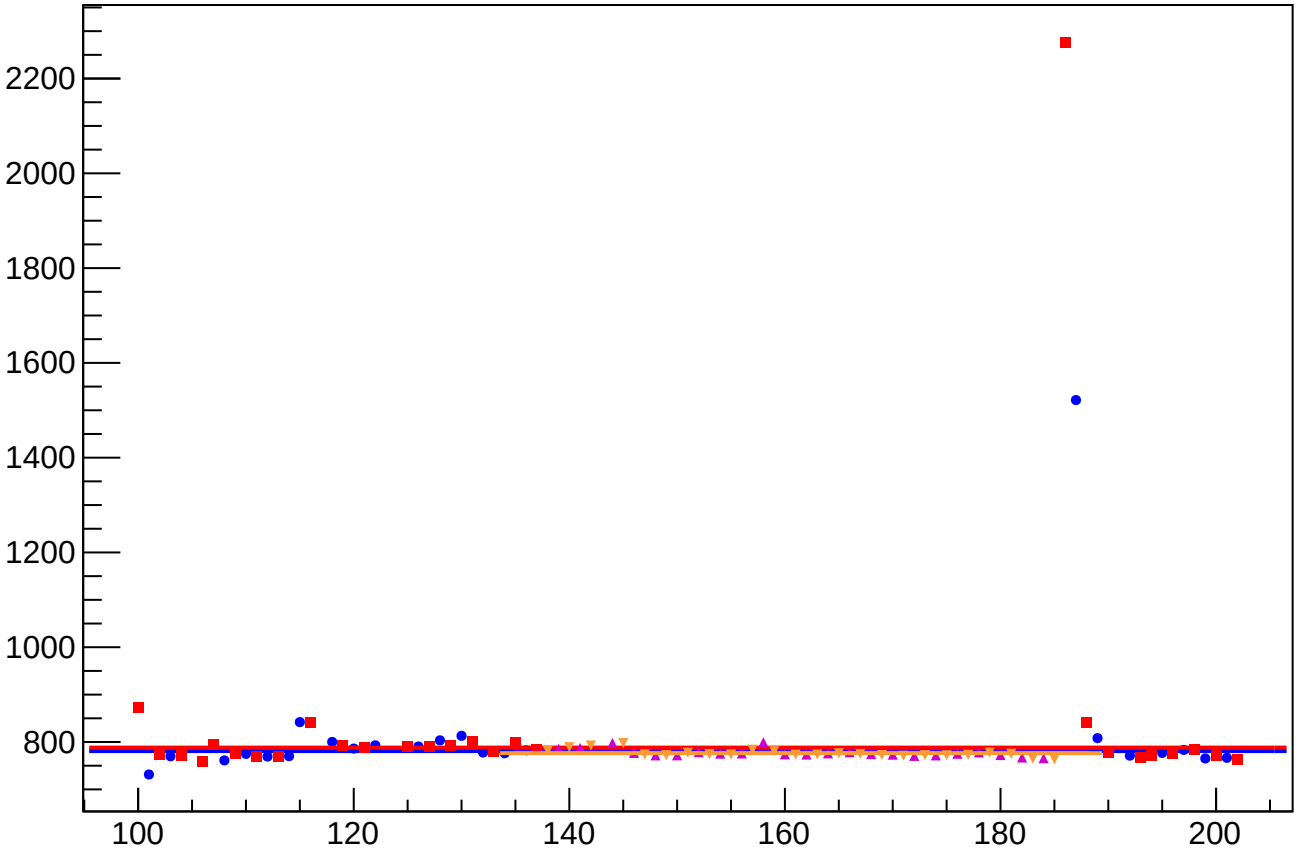
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2003.357+/-140.163 χ^2/NDF: 25.1/46

All: -75.919+/-98.170 χ^2/NDF: 508.5/96

- sign -2078.103+/-137.540 χ^2/NDF: 51.3/49

overload_cor_asym_us_avg_rms vs Slug



Right In: 780.830+/-0.158 χ^2/NDF: 94198.6/22

Left Out: 776.523+/-0.127 χ^2/NDF:3137.1/23

Right Out: 788.192+/-0.149 χ^2/NDF: 371778.1/26

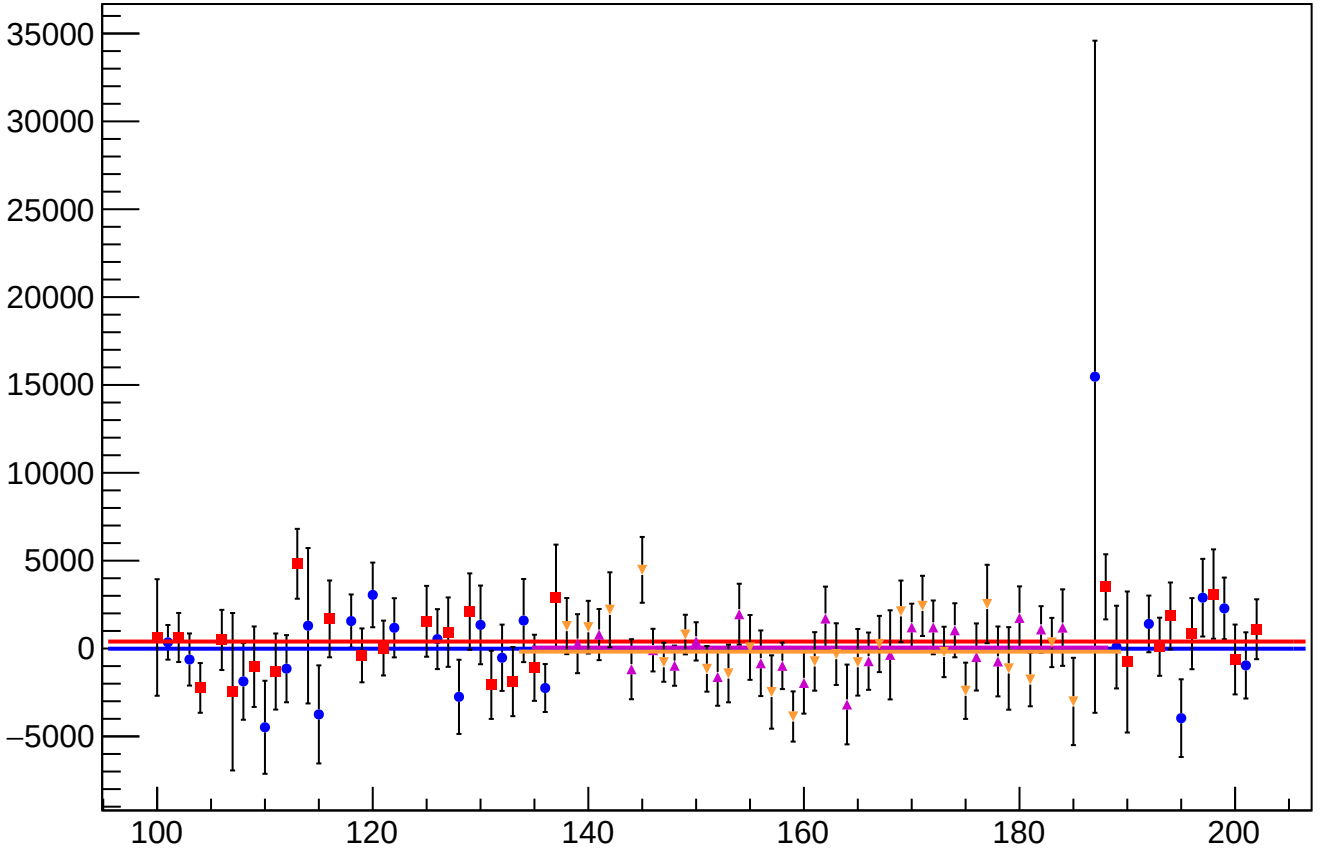
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

\+ sign 778.225+/-0.099 χ^2/NDF: 97787.2/46

All: 780.150+/-0.069 χ^2/NDF: 477371.3/96

\- sign 782.003+/-0.097 χ^2/NDF: 378843.7/49

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: -9.871+/-385.726 χ^2/NDF: 24.2/22

Left Out: -174.932+/-327.991 χ^2/NDF:29.6/23

Right Out: 397.636+/-382.992 χ^2/NDF: 21.0/25

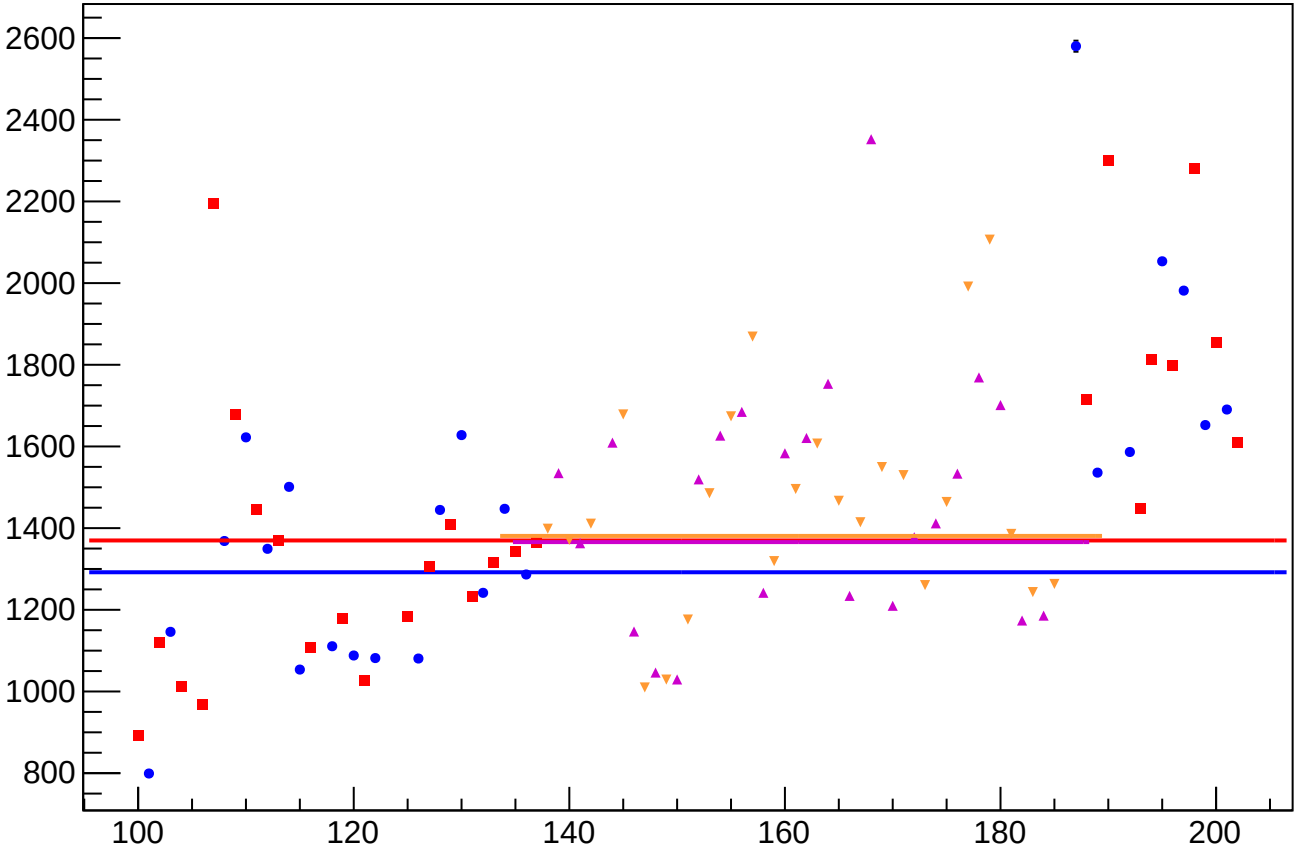
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -105.667+/-249.870 χ^2/NDF: 53.9/46

All: 46.998+/-176.127 χ^2/NDF: 89.0/95

- sign 197.752+/-248.301 χ^2/NDF: 34.4/48

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1291.942+/-0.273 χ^2/NDF: 1456355.7/22

Left Out: 1380.952+/-0.232 χ^2/NDF:1155437.6/23

Right Out: 1369.826+/-0.271 χ^2/NDF: 1431873.4/25

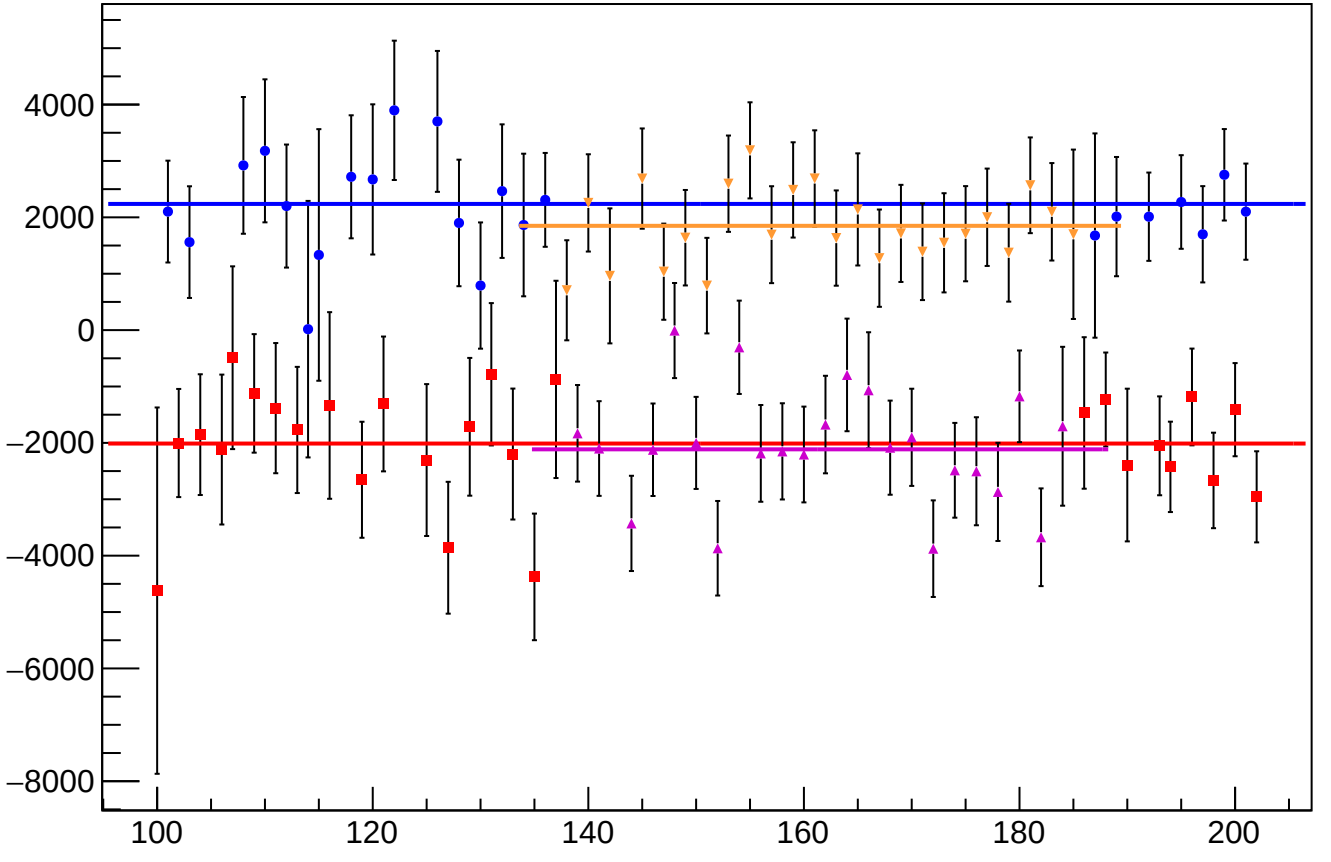
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1343.601+/-0.177 χ^2/NDF: 2673602.0/46

All: 1355.625+/-0.125 χ^2/NDF: 5423670.2/95

- sign 1367.499+/-0.176 χ^2/NDF: 2740863.3/48

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2237.868+/-221.388 χ^2/NDF: 8.9/22

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: -2011.749+/-208.267 χ^2/NDF: 16.8/26

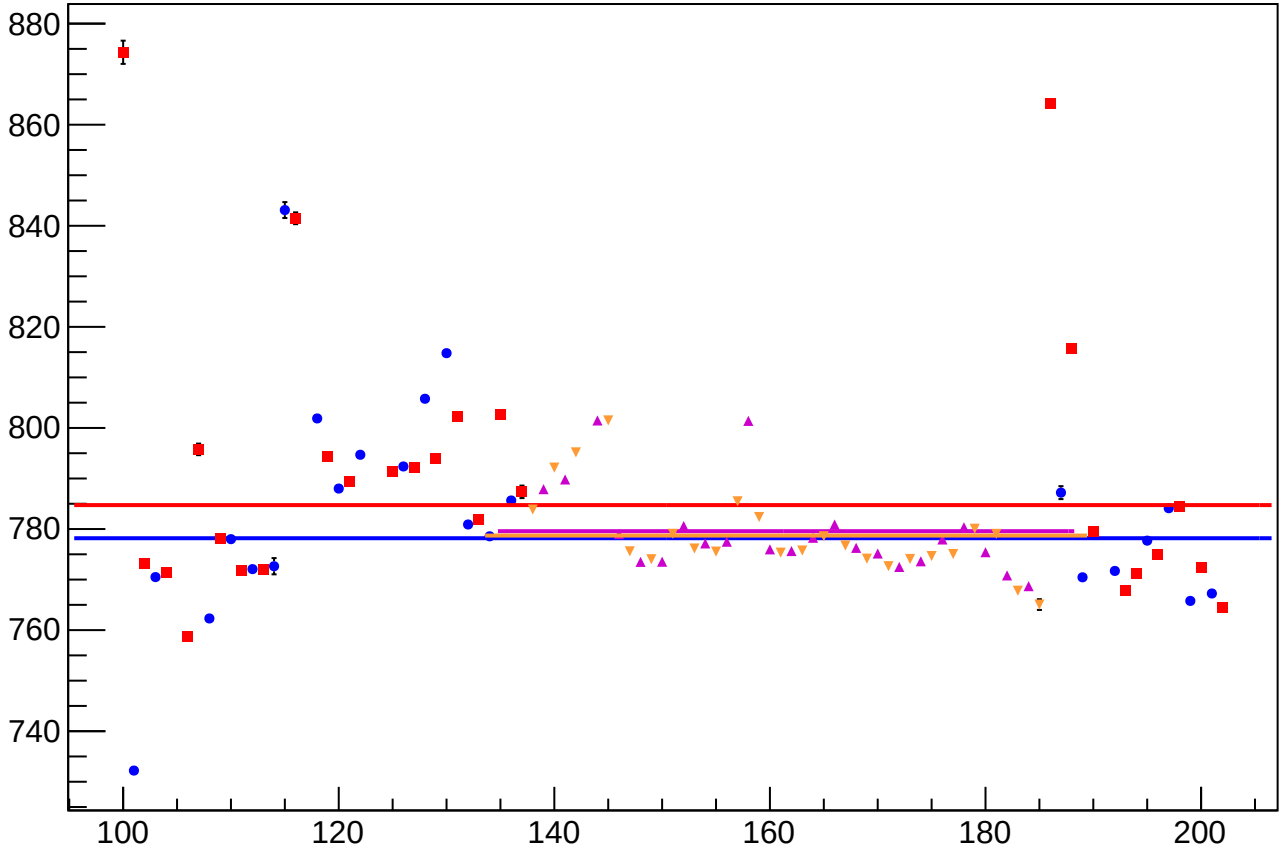
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2004.879+/-140.007 χ^2/NDF: 23.6/46

All: -75.931+/-97.940 χ^2/NDF: 504.1/96

- sign -2069.968+/-137.057 χ^2/NDF: 48.0/49

eigen_cor_asym_us_avg_rms vs Slug



Right In: 778.182+/-0.157 χ^2/NDF: 13791.9/22

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 784.737+/-0.147 χ^2/NDF: 20373.4/26

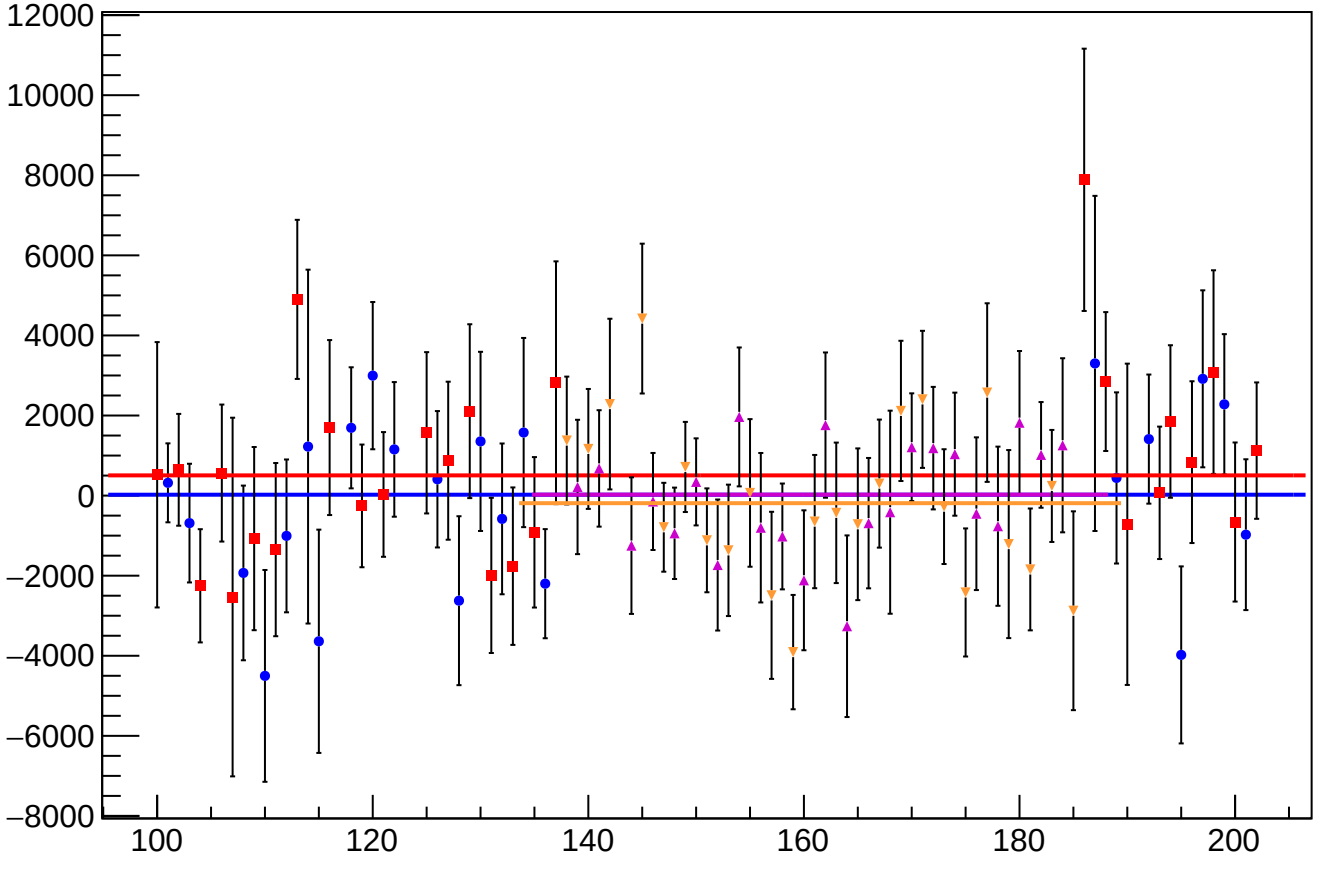
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 778.498+/-0.099 χ^2/NDF: 17188.5/46

All: 780.189+/-0.069 χ^2/NDF: 43003.1/96

- sign 781.810+/-0.097 χ^2/NDF: 25243.0/49

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: 22.228+/-382.785 χ^2/NDF: 23.9/22

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: 505.129+/-379.012 χ^2/NDF: 25.1/26

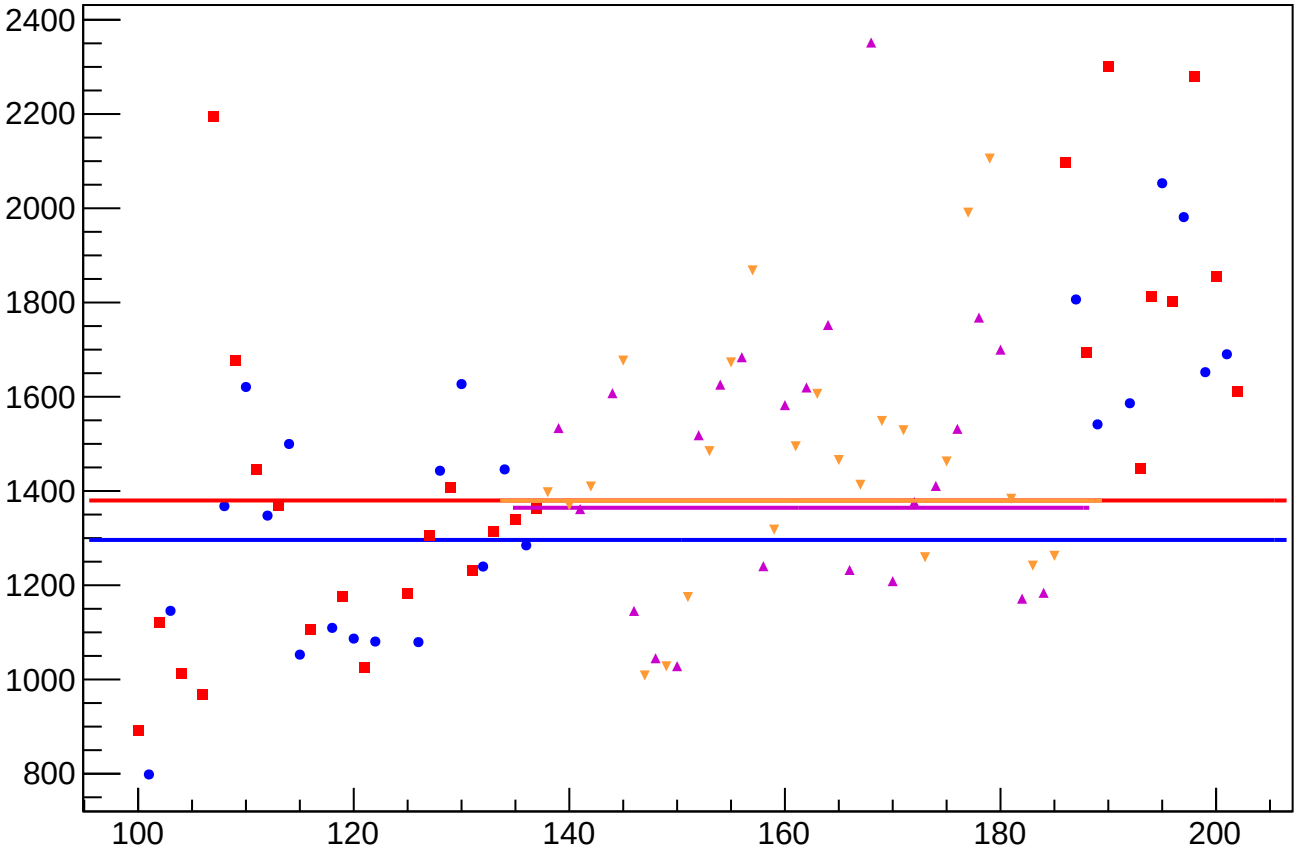
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -99.676+/-248.926 χ^2/NDF: 53.7/46

All: 65.545+/-175.357 χ^2/NDF: 94.1/96

- sign 228.309+/-247.069 χ^2/NDF: 39.5/49

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1296.158+/-0.271 χ^2/NDF: 1486158.5/22

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

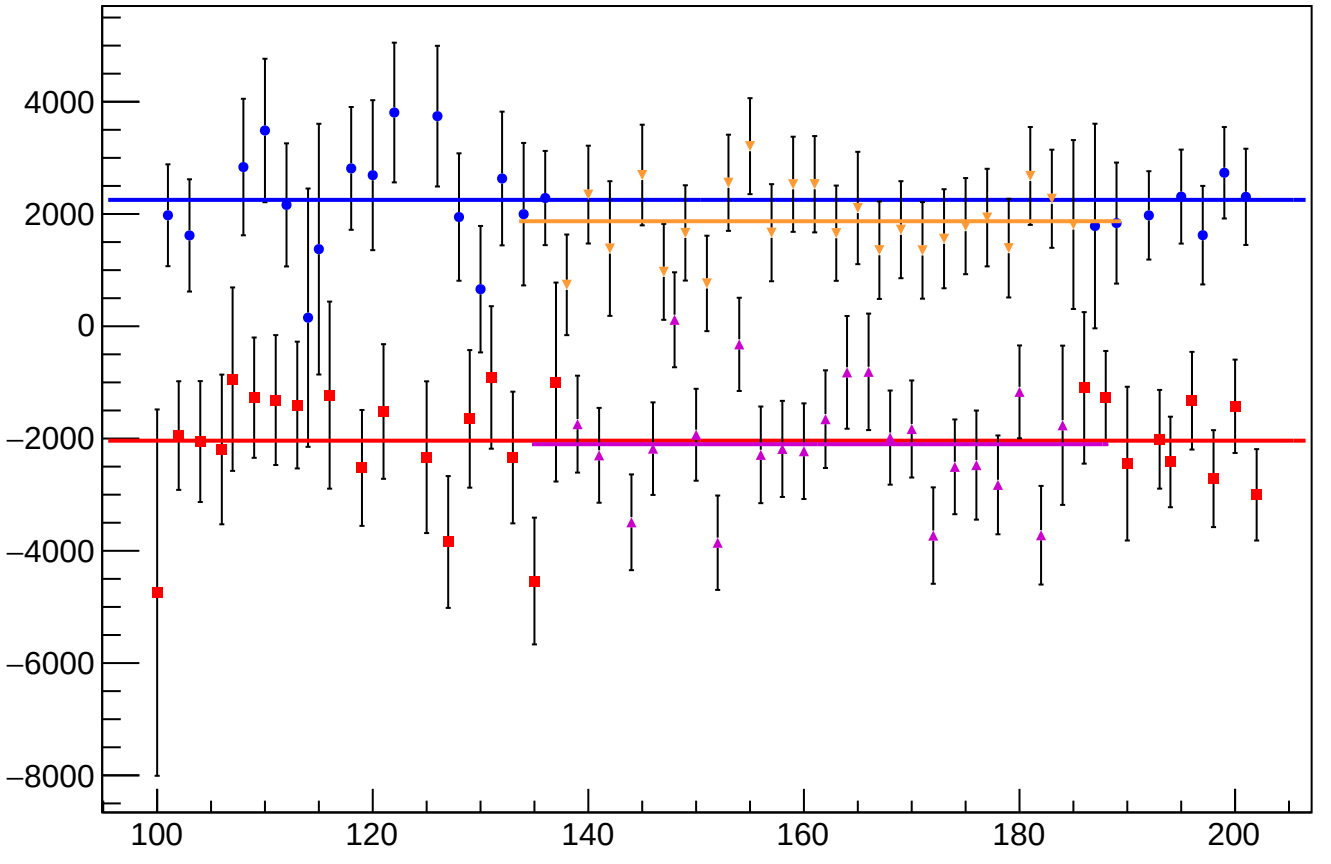
Right Out: 1379.901+/-0.268 χ^2/NDF: 1535674.4/26

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

\+ sign 1344.276+/-0.176 χ^2/NDF: 2699388.6/46

All: 1357.735+/-0.124 χ^2/NDF: 5560889.9/96

\- sign 1370.994+/-0.175 χ^2/NDF: 2849894.7/49



Right In: 2251.816+/-223.153 χ^2/NDF: 9.4/22

Left Out: 1871.457+/-181.976 χ^2/NDF:12.5/23

Right Out: -2038.216+/-209.859 χ^2/NDF: 16.5/26

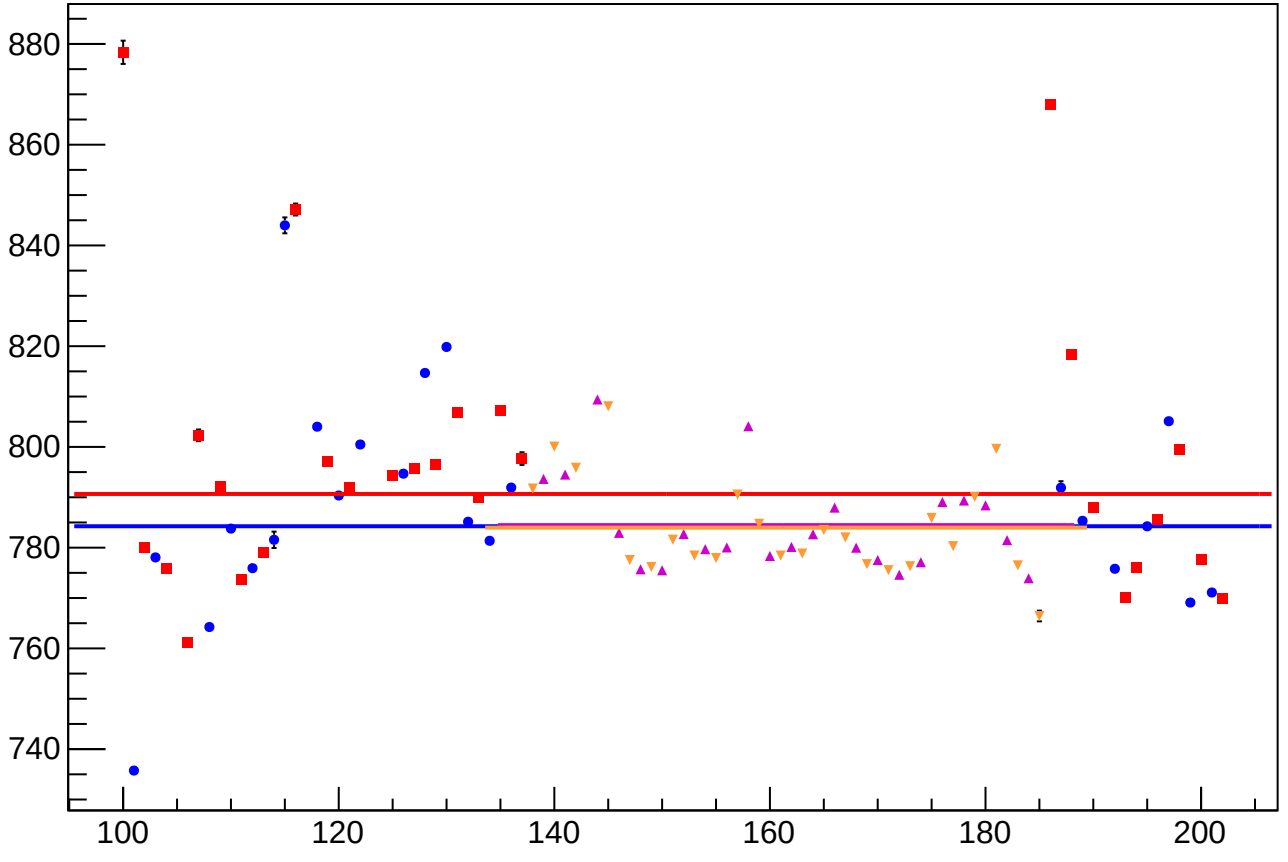
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2023.373+/-141.029 χ^2/NDF: 23.7/46

All: -69.685+/-98.635 χ^2/NDF: 503.1/96

- sign -2073.877+/-138.002 χ^2/NDF: 48.3/49

dit_asym_us_avg_rms vs Slug



Right In: 784.252+/-0.158 χ^2/NDF: 15228.8/22

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 790.662+/-0.148 χ^2/NDF: 19632.0/26

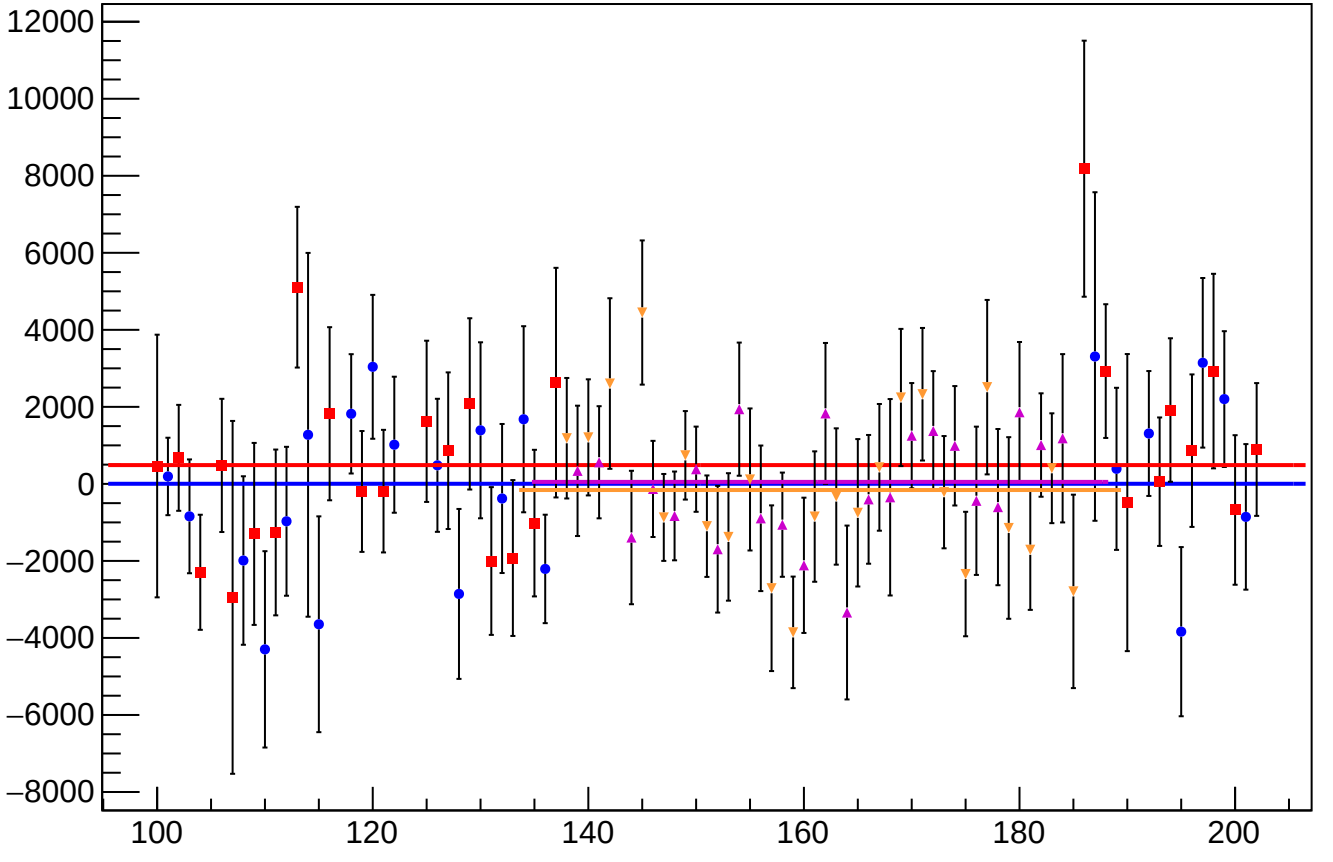
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.089+/-0.100 χ^2/NDF: 20158.6/46

All: 785.652+/-0.070 χ^2/NDF: 46186.5/96

- sign 787.149+/-0.098 χ^2/NDF: 25547.0/49

asym_us_avg_dit_correction_mean vs Slug



Right In: 2.941+/-388.520 χ^2/NDF: 23.7/22

Left Out: -159.275+/-332.190 χ^2/NDF:29.1/23

Right Out: 488.075+/-383.594 χ^2/NDF: 25.4/26

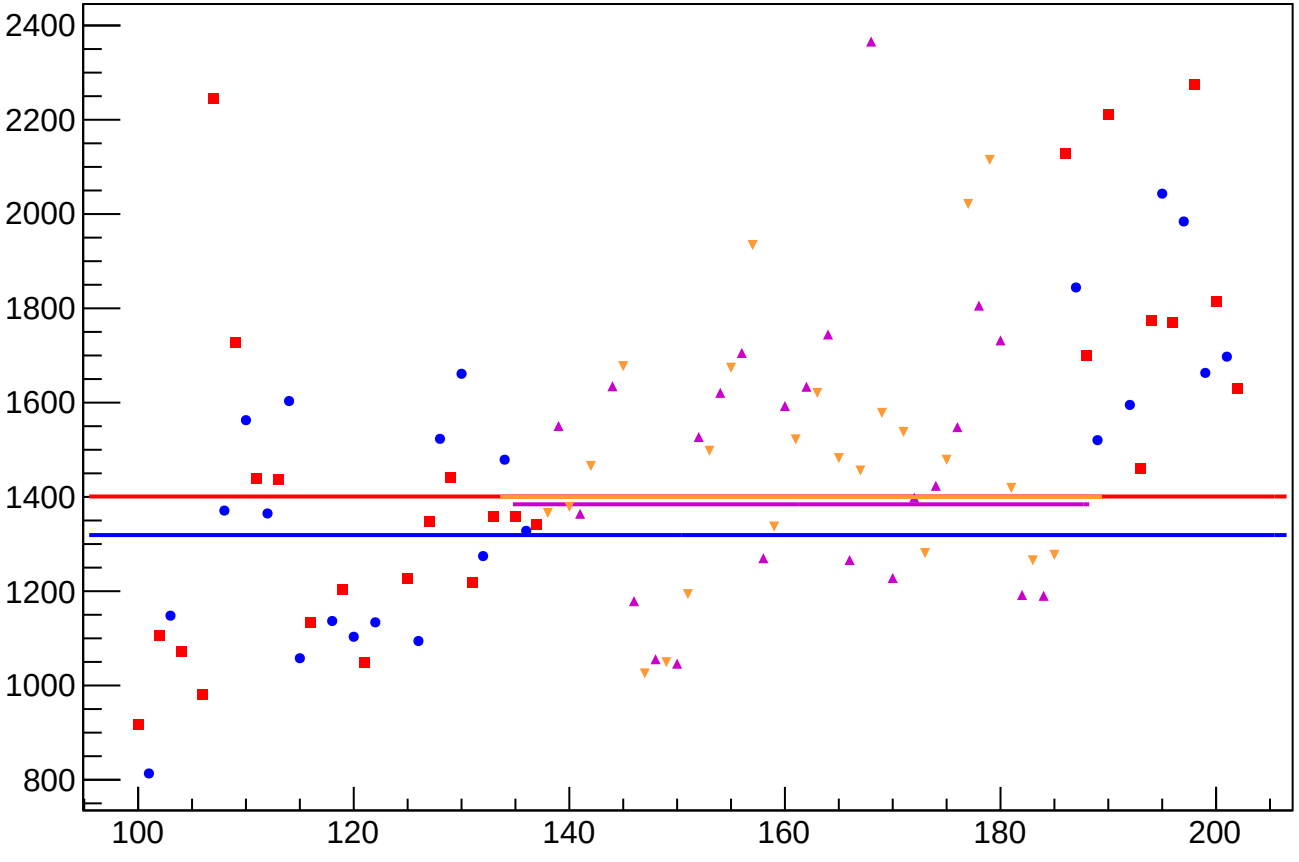
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -90.768+/-252.483 χ^2/NDF: 52.9/46

All: 74.865+/-177.740 χ^2/NDF: 93.3/96

- sign 237.589+/-250.255 χ^2/NDF: 39.6/49

asym_us_avg_dit_correction_rms vs Slug



Right In: 1319.078+/-0.275 χ^2/NDF: 1422710.5/22

Left Out: 1399.717+/-0.235 χ^2/NDF:1136350.2/23

Right Out: 1400.896+/-0.271 χ^2/NDF: 1409369.2/26

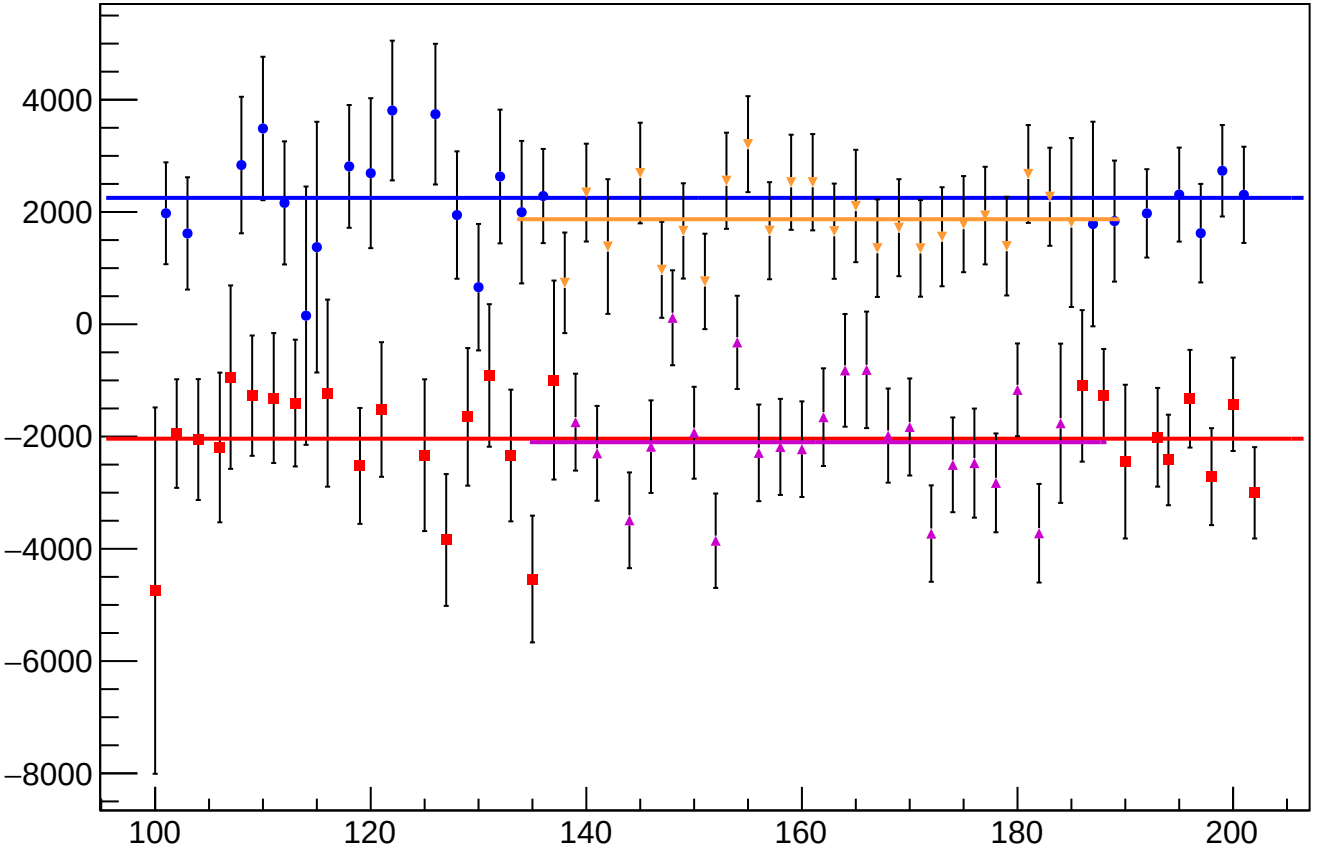
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1365.662+/-0.179 χ^2/NDF: 2608832.0/46

All: 1378.636+/-0.126 χ^2/NDF: 5300749.2/96

- sign 1391.383+/-0.177 χ^2/NDF: 2681447.4/49

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2251.815+/-223.153 χ^2/NDF: 9.4/22

Left Out: 1871.455+/-181.976 χ^2/NDF:12.5/23

Right Out: -2038.214+/-209.859 χ^2/NDF: 16.5/26

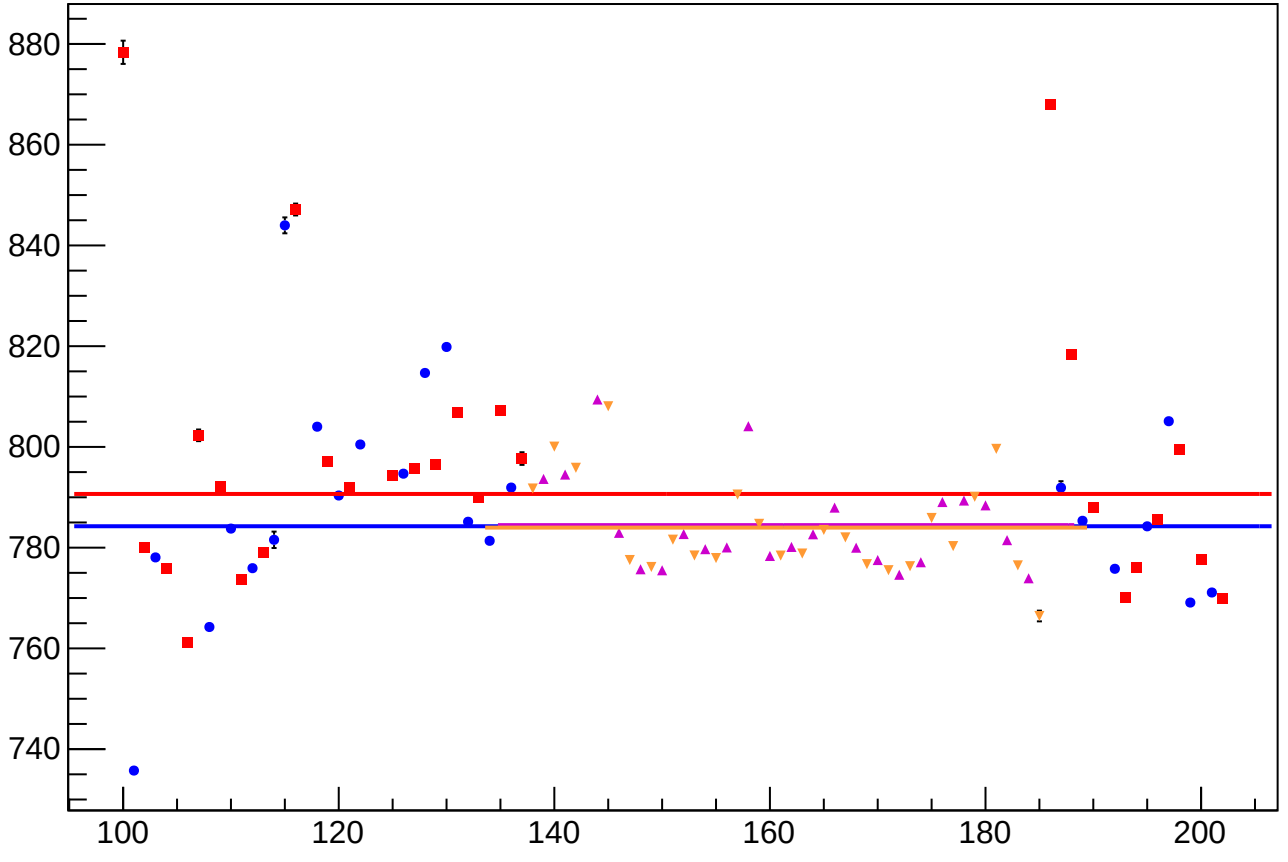
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2023.371+/-141.029 χ^2/NDF: 23.7/46

All: -69.686+/-98.635 χ^2/NDF: 503.1/96

- sign -2073.876+/-138.002 χ^2/NDF: 48.3/49

eigen_dit_asym_us_avg_rms vs Slug



Right In: 784.252+/-0.158 χ^2/NDF: 15228.8/22

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 790.662+/-0.148 χ^2/NDF: 19632.0/26

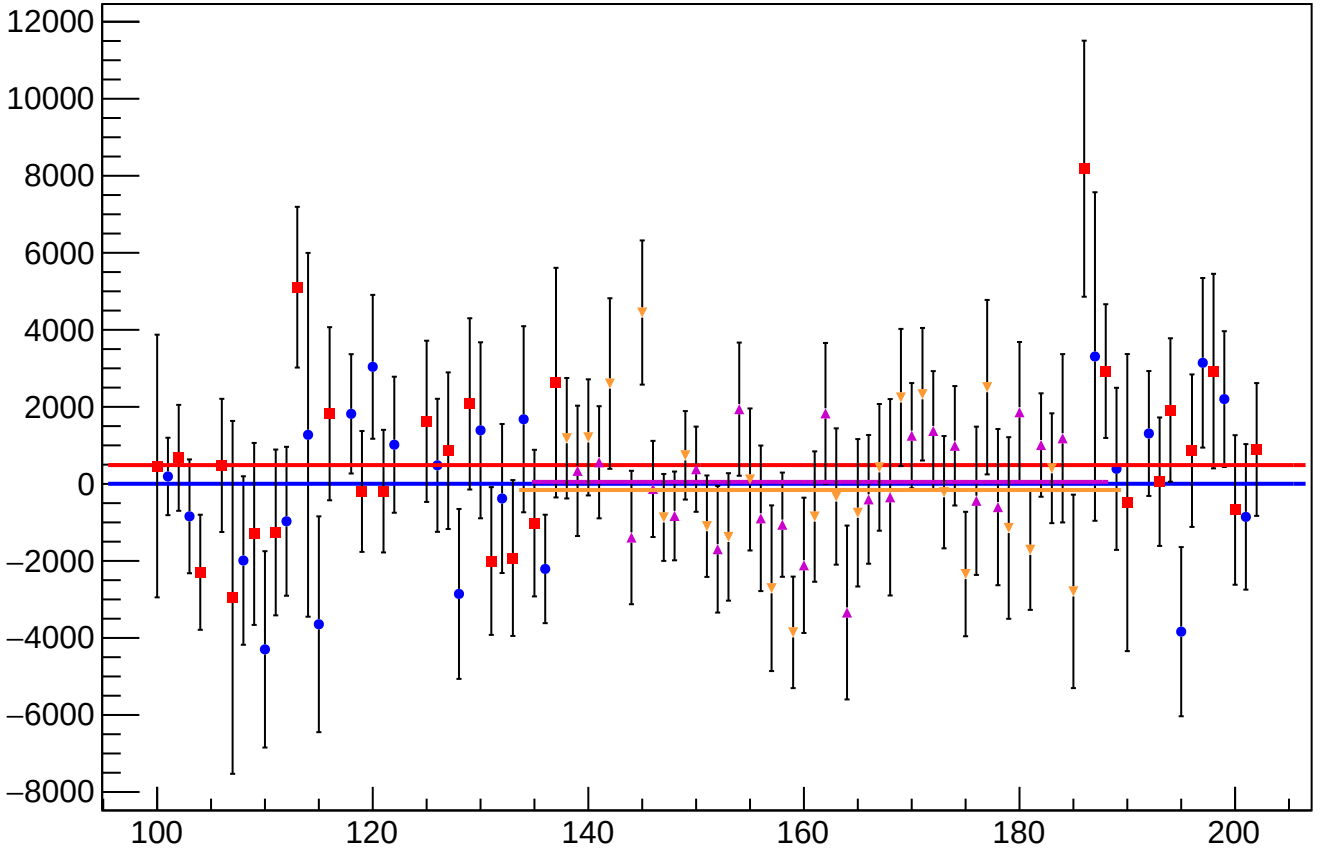
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.089+/-0.100 χ^2/NDF: 20158.6/46

All: 785.652+/-0.070 χ^2/NDF: 46186.4/96

- sign 787.149+/-0.098 χ^2/NDF: 25547.0/49

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 2.941+/-388.519 χ^2/NDF: 23.7/22

Left Out: -159.278+/-332.191 χ^2/NDF:29.1/23

Right Out: 488.072+/-383.593 χ^2/NDF: 25.4/26

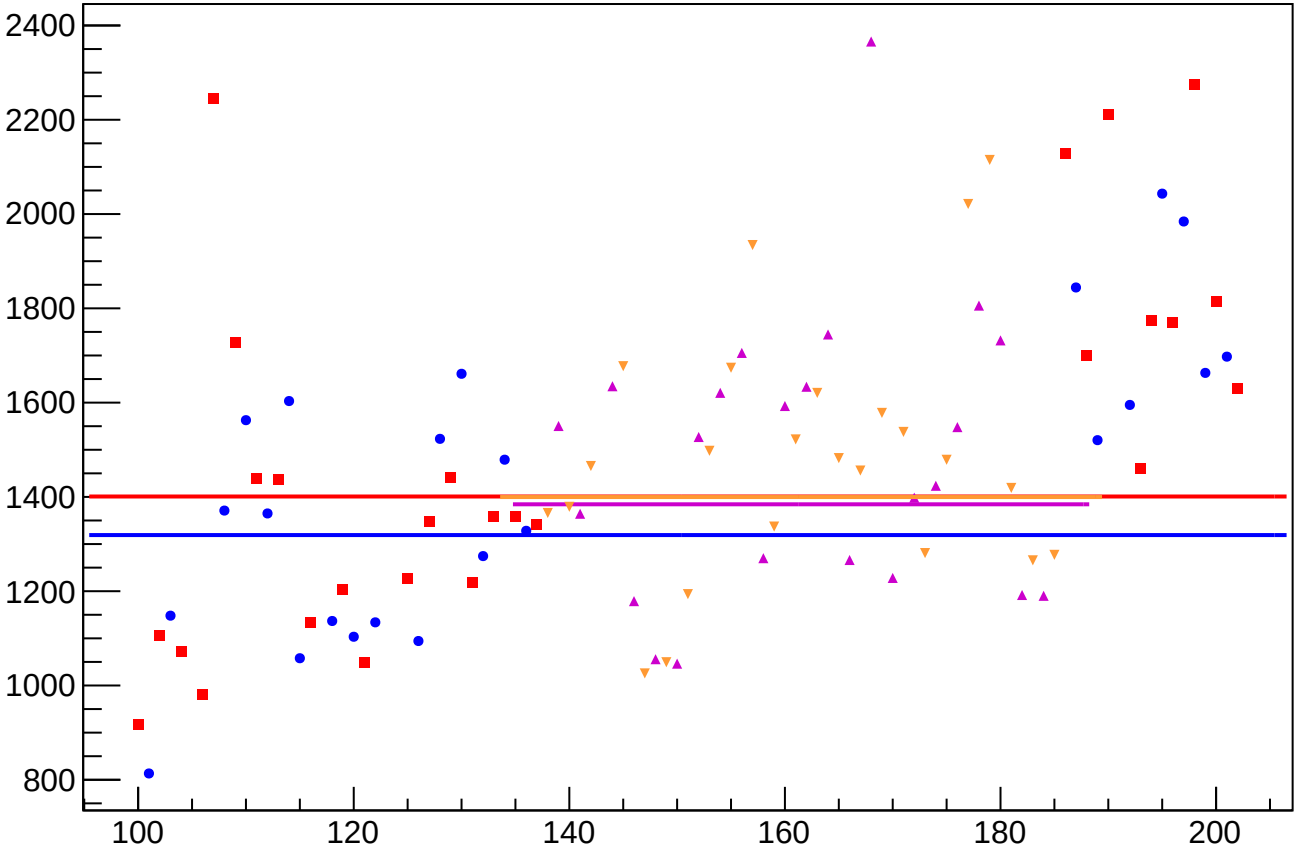
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -90.770+/-252.483 χ^2/NDF: 52.9/46

All: 74.864+/-177.740 χ^2/NDF: 93.3/96

- sign 237.589+/-250.256 χ^2/NDF: 39.6/49

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1319.076+/-0.275 χ^2/NDF: 1422722.3/22

Left Out: 1399.720+/-0.235 χ^2/NDF:1136351.3/23

Right Out: 1400.893+/-0.271 χ^2/NDF: 1409385.0/26

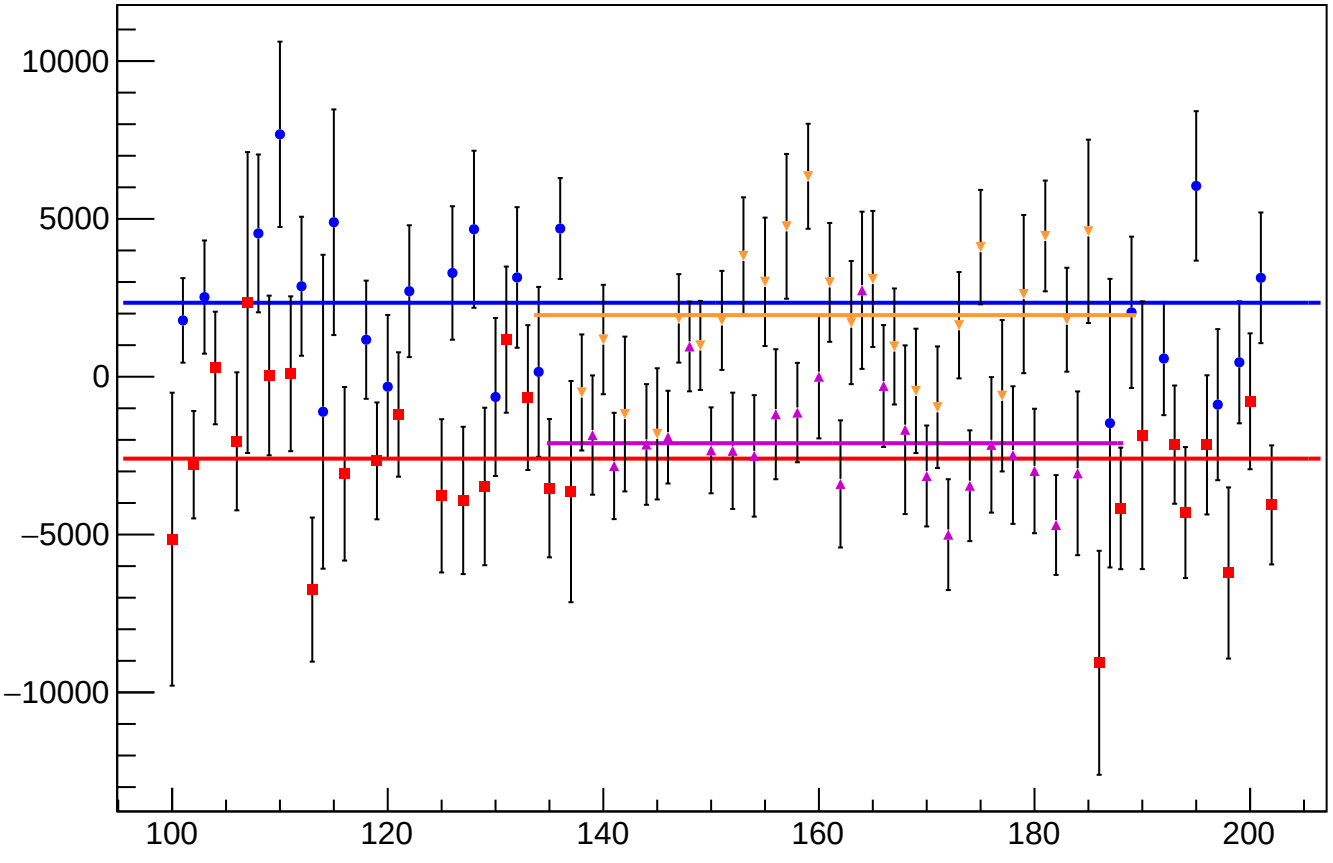
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1365.662+/-0.179 χ^2/NDF: 2608851.2/46

All: 1378.637+/-0.126 χ^2/NDF: 5300783.3/96

- sign 1391.383+/-0.177 χ^2/NDF: 2681462.3/49

asym_us_avg_mean vs Slug



Right In: 2343.418+/-454.504 χ^2/NDF: 19.6/22

Left Out: 1952.406+/-380.269 χ^2/NDF:27.4/23

Right Out: -2594.247+/-442.947 χ^2/NDF: 22.4/26

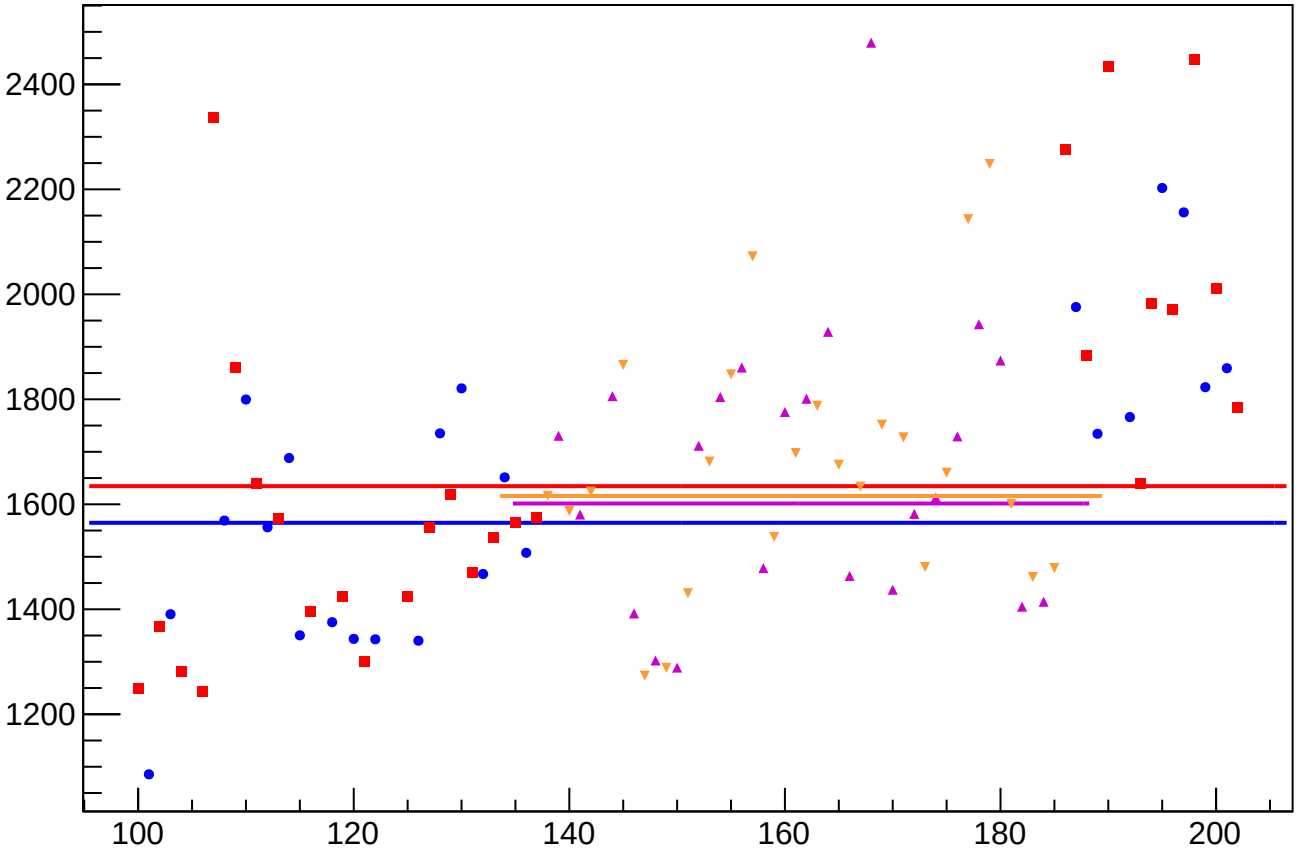
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2113.413+/-291.652 χ^2/NDF: 47.4/46

All: -127.237+/-204.924 χ^2/NDF: 205.6/96

- sign -2312.061+/-287.995 χ^2/NDF: 41.7/49

asym_us_avg_rms vs Slug



Right In: 1564.737+/-0.321 χ^2/NDF: 814311.7/22

Left Out: 1615.853+/-0.269 χ^2/NDF:694353.3/23

Right Out: 1634.575+/-0.313 χ^2/NDF: 923070.6/26

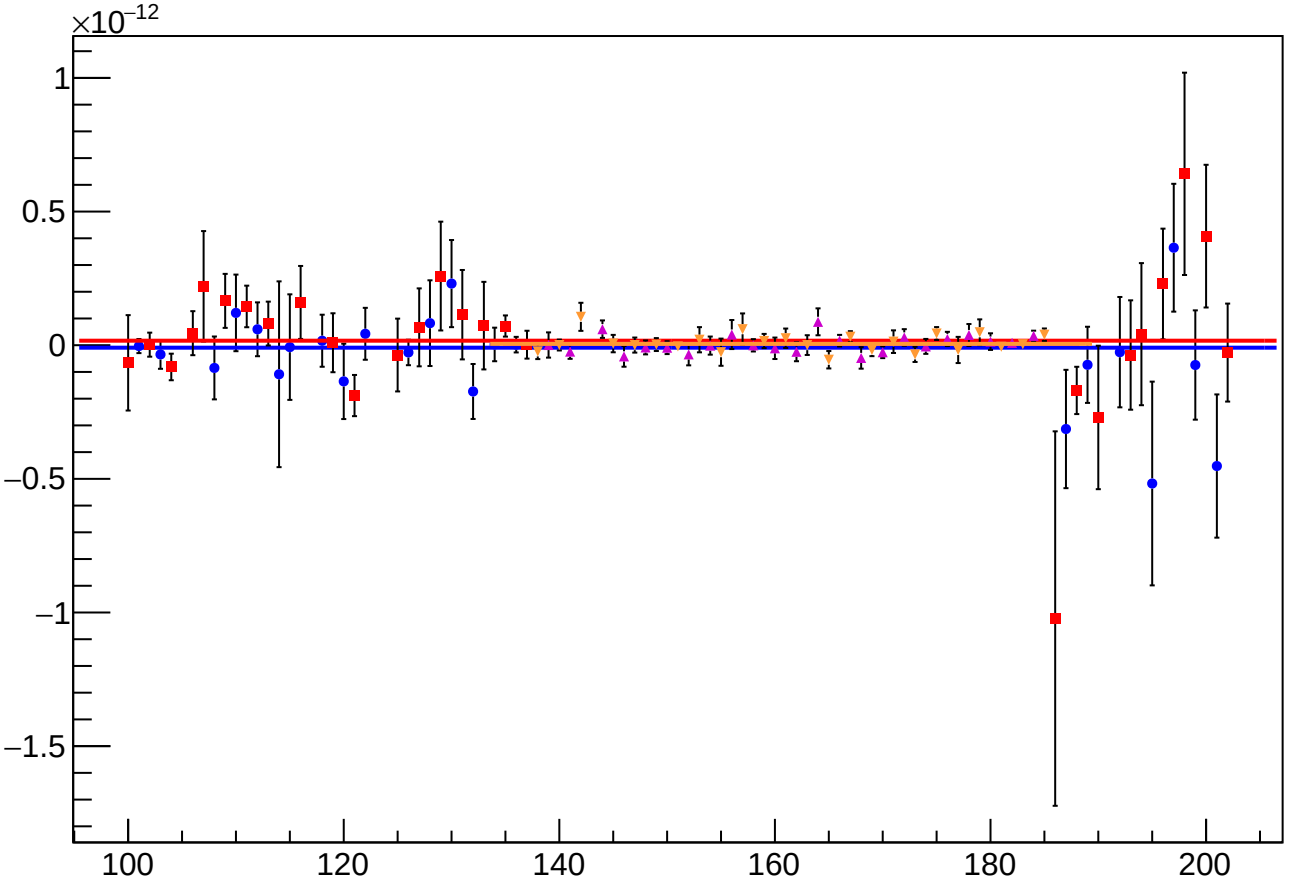
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1594.805+/-0.206 χ^2/NDF: 1523545.7/46

All: 1605.273+/-0.145 χ^2/NDF: 3251866.1/96

- sign 1615.480+/-0.204 χ^2/NDF: 1723231.9/49

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.0/26

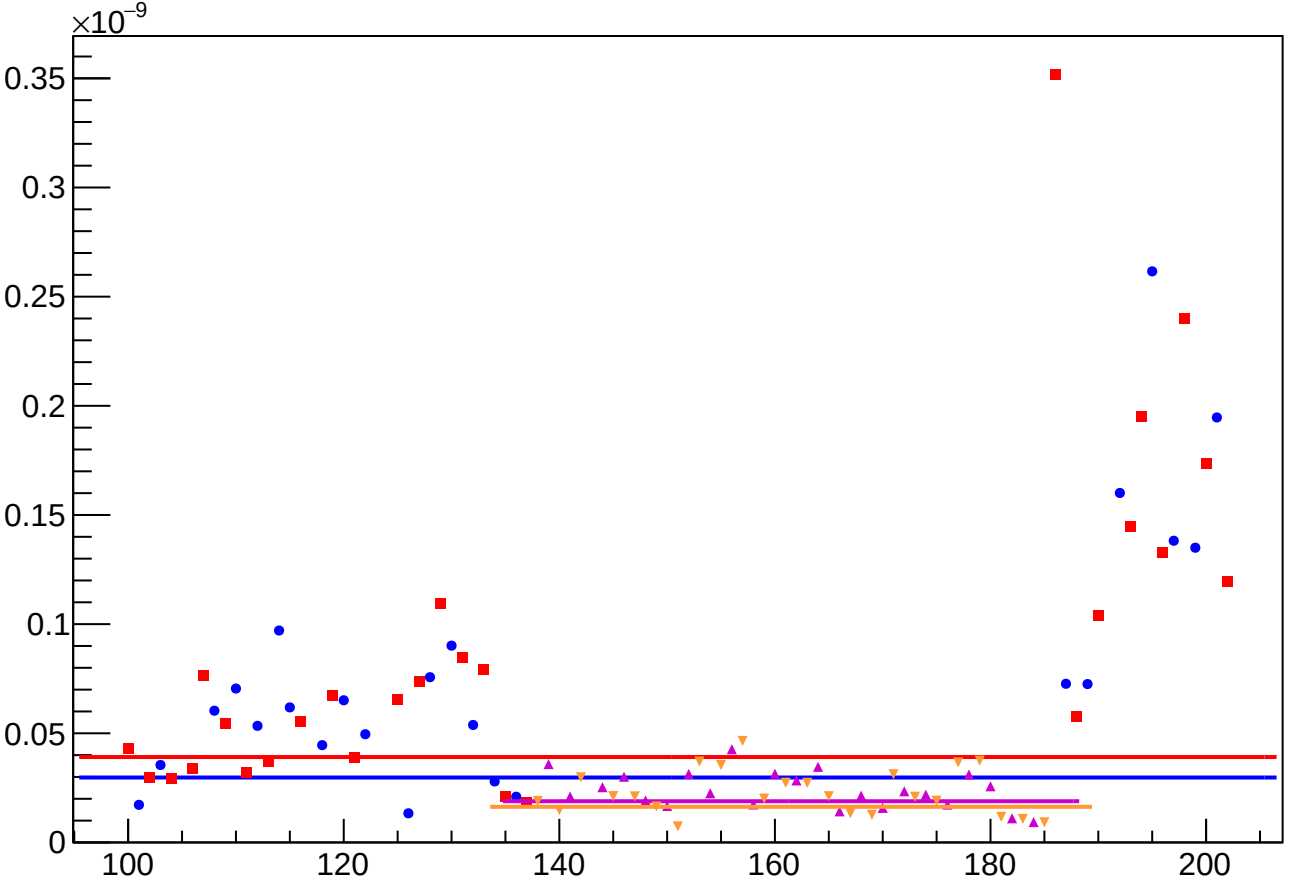
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.5/46

All: 0.000+/-0.000 χ^2/NDF: 96.5/96

- sign 0.000+/-0.000 χ^2/NDF: 56.8/49

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5725631.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:4263140.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5582220.3/26

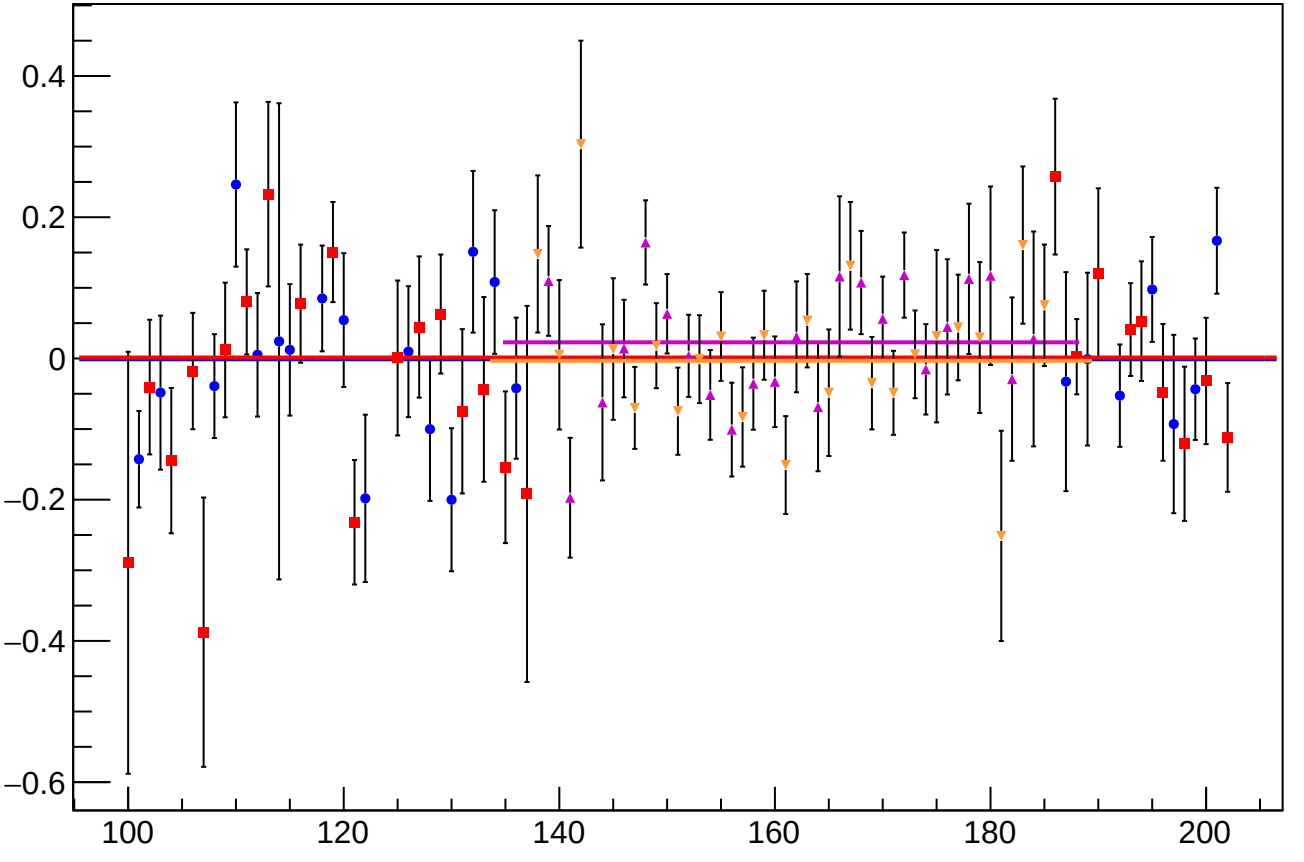
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11425392.2/46

All: 0.000+/-0.000 χ^2/NDF: 23021658.6/96

- sign 0.000+/-0.000 χ^2/NDF: 11258933.4/49

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.019 χ^2/NDF: 29.9/22

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 38.7/26

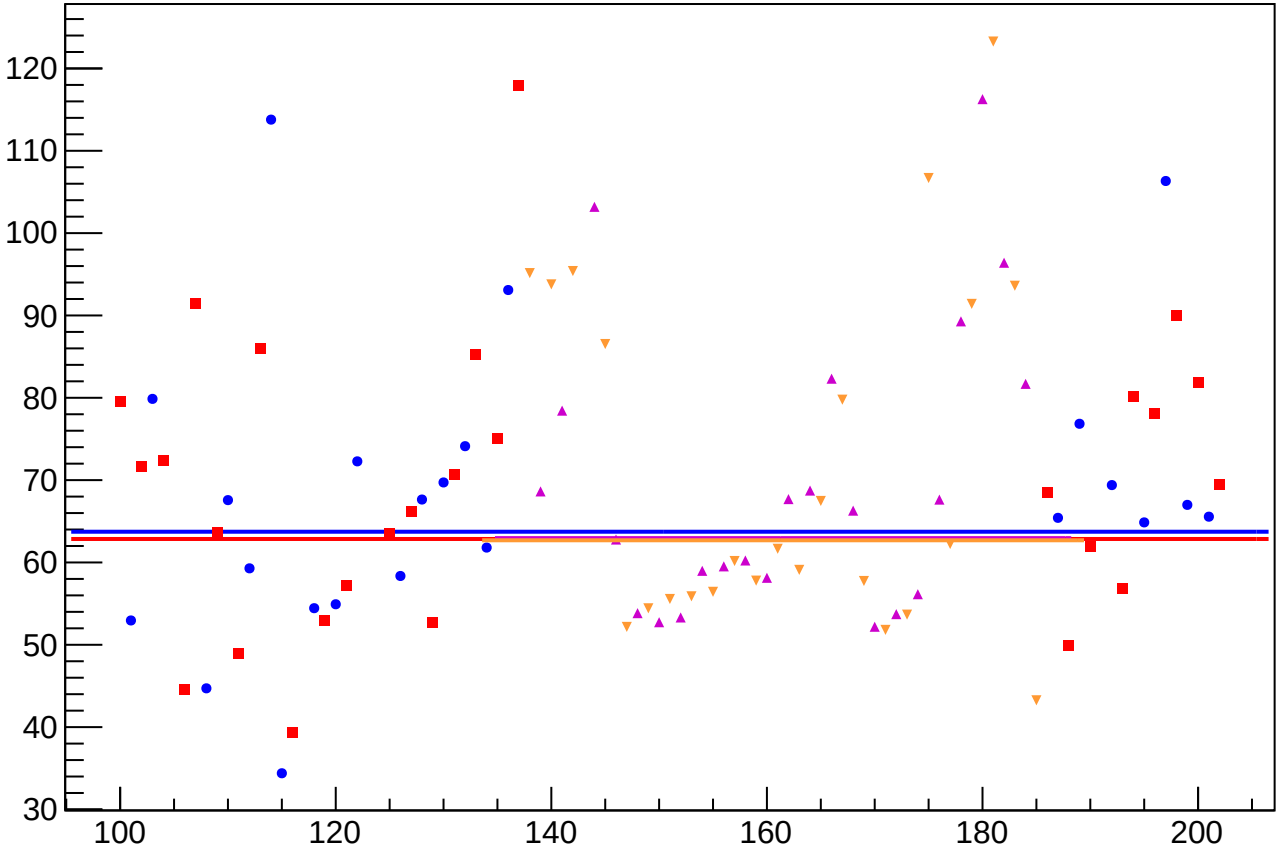
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

\+ sign -0.002+/-0.012 χ^2/NDF: 55.8/46

All: 0.006+/-0.008 χ^2/NDF: 125.1/96

\- sign 0.014+/-0.012 χ^2/NDF: 68.5/49

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.733+/-0.014 χ^2/NDF: 1010816.0/22

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

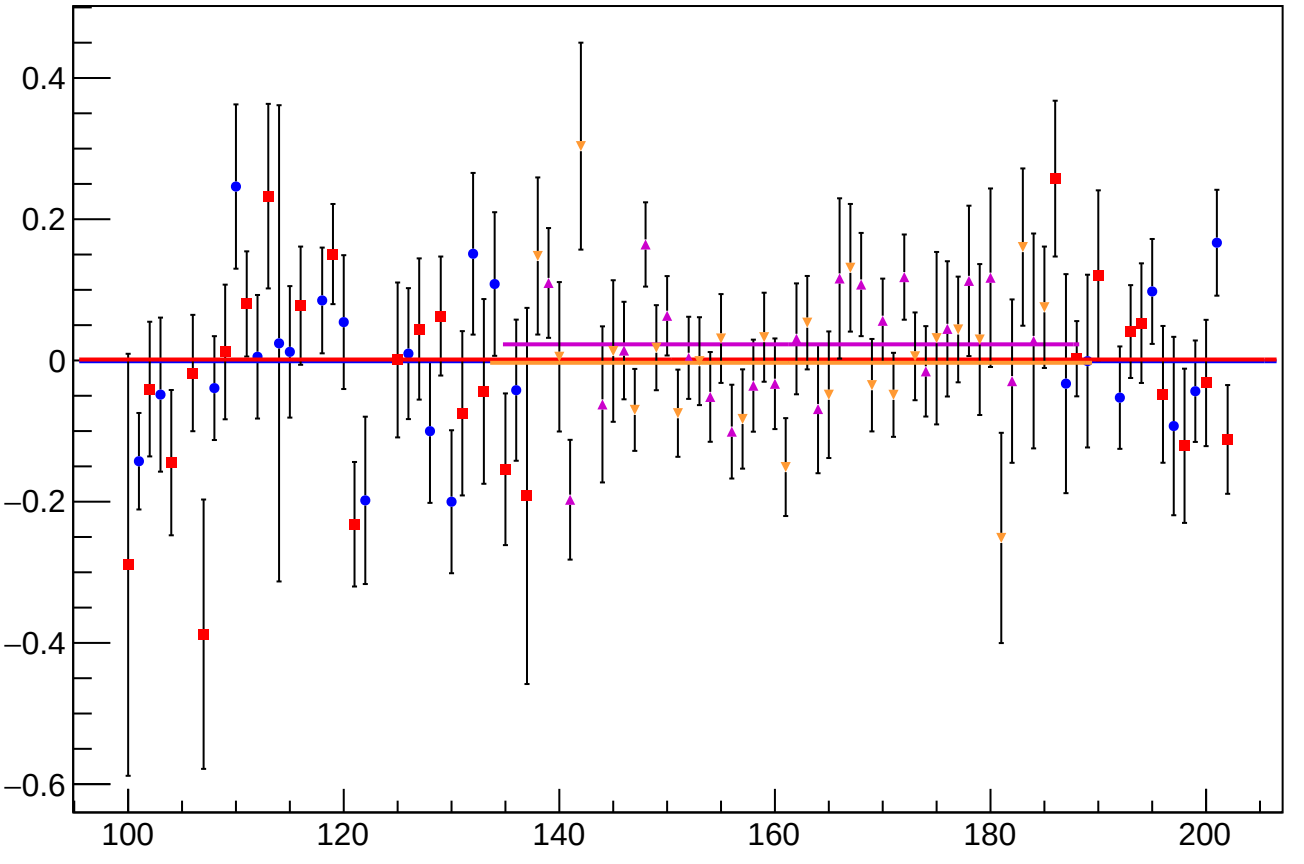
Right Out: 62.852+/-0.013 χ^2/NDF: 1233994.0/26

Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 63.099+/-0.009 χ^2/NDF: 2953731.0/46

All: 63.002+/-0.006 χ^2/NDF: 5618439.7/96

- sign 62.911+/-0.008 χ^2/NDF: 2664458.5/49



Right In: -0.001+/-0.019 χ^2/NDF: 29.9/22

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

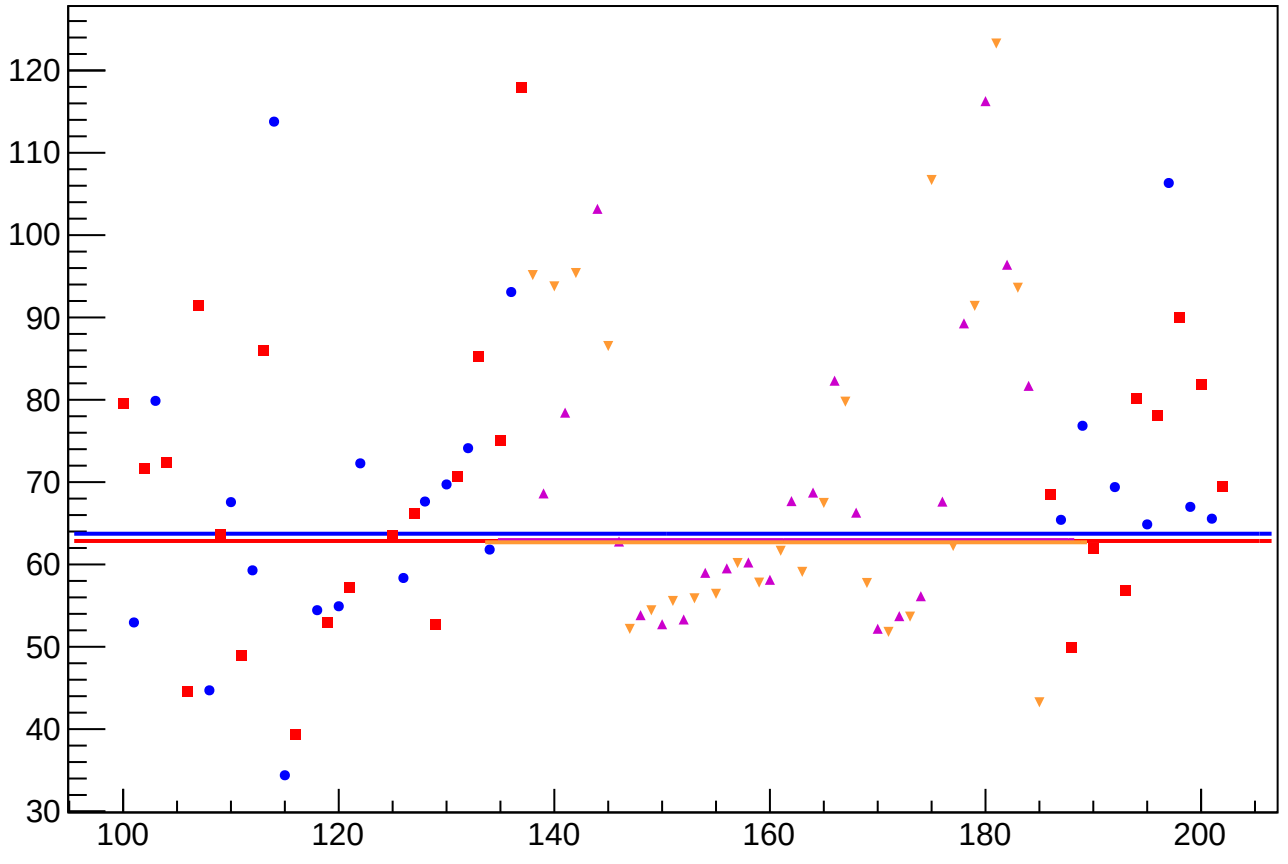
Right Out: 0.001+/-0.018 χ^2/NDF: 38.7/26

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.002+/-0.012 χ^2/NDF: 55.8/46

All: 0.006+/-0.008 χ^2/NDF: 125.1/96

- sign 0.014+/-0.012 χ^2/NDF: 68.5/49



Right In: 63.733+/-0.014 χ^2/NDF: 1010816.0/22

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

Right Out: 62.852+/-0.013 χ^2/NDF: 1233994.0/26

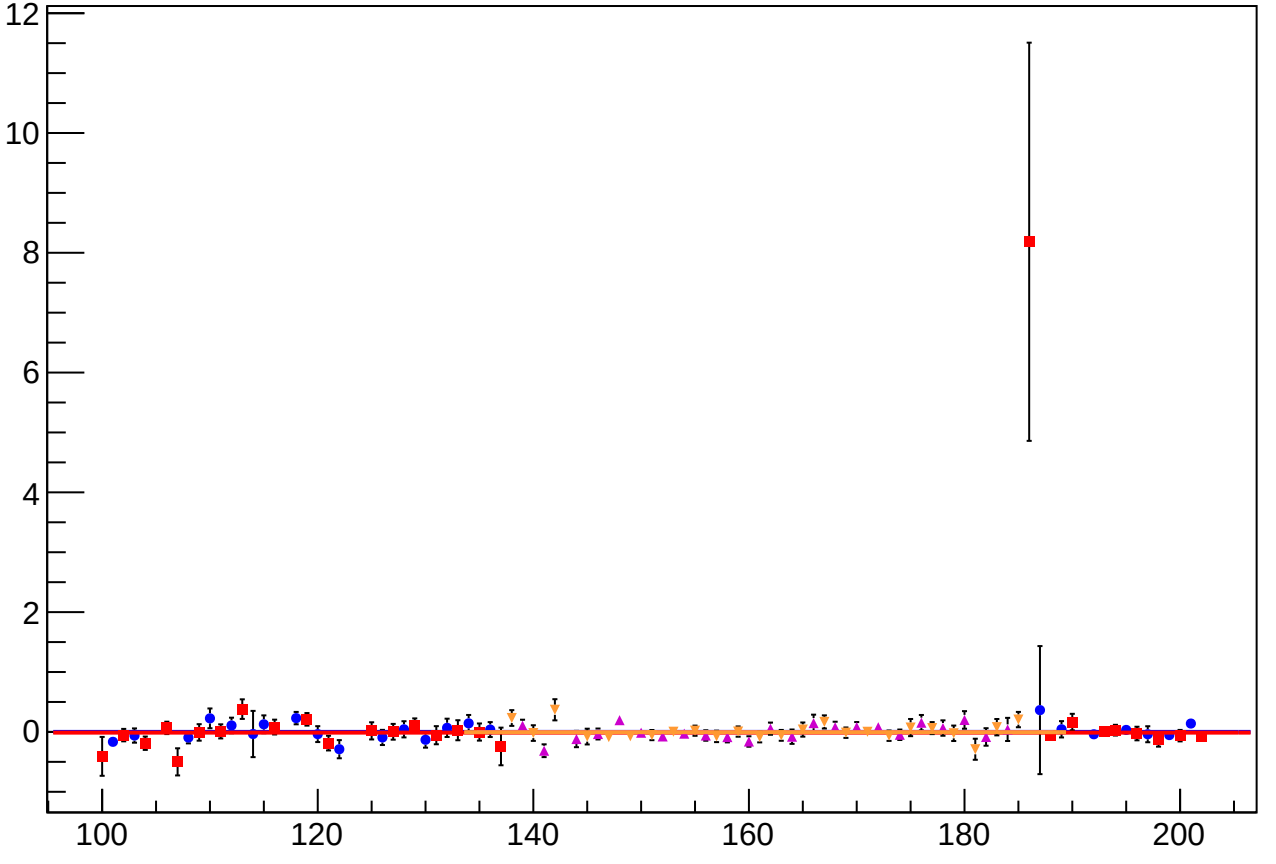
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 63.099+/-0.009 χ^2/NDF: 2953731.0/46

All: 63.002+/-0.006 χ^2/NDF: 5618439.7/96

- sign 62.911+/-0.008 χ^2/NDF: 2664458.5/49

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.000+/-0.024 χ^2/NDF: 24.3/22

Left Out: -0.004+/-0.021 χ^2/NDF:21.4/23

Right Out: -0.012+/-0.023 χ^2/NDF: 34.3/26

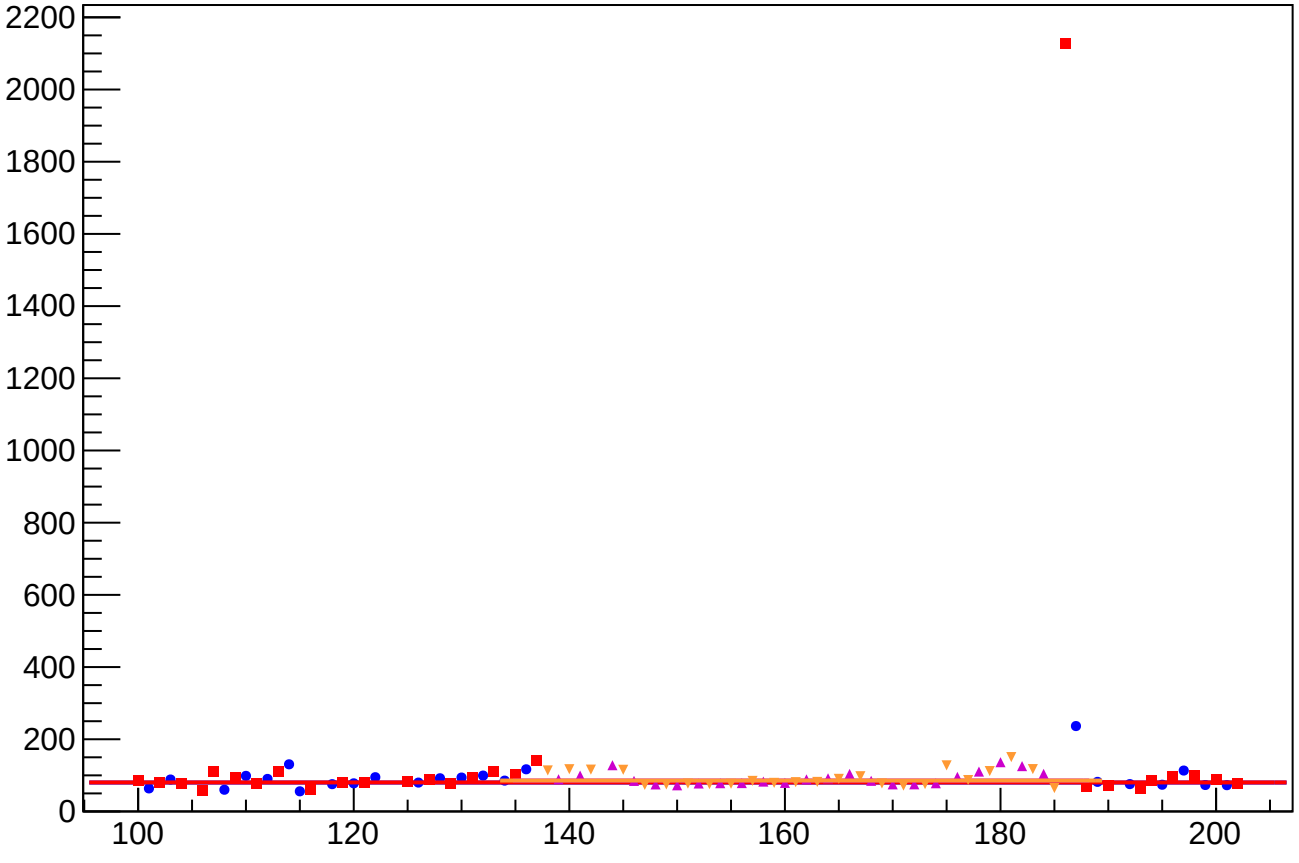
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.002+/-0.016 χ^2/NDF: 45.7/46

All: -0.004+/-0.011 χ^2/NDF: 110.7/96

- sign -0.006+/-0.015 χ^2/NDF: 65.0/49

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 80.052+/-0.017 χ^2/NDF: 781055.1/22

Left Out: 85.650+/-0.015 χ^2/NDF:1352748.5/23

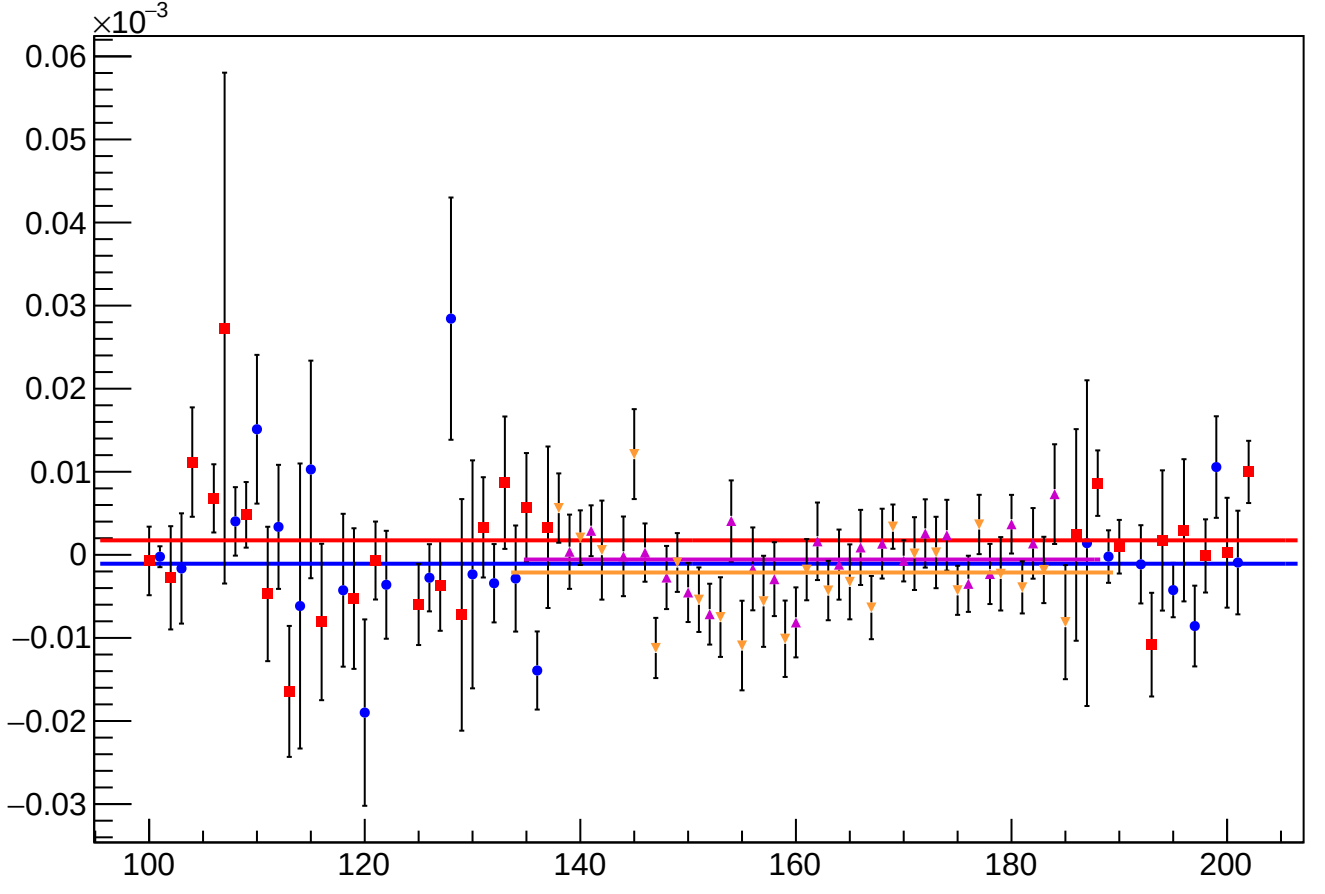
Right Out: 80.404+/-0.016 χ^2/NDF: 1530506.9/26

Left In: 85.679+/-0.015 χ^2/NDF:995870.4/22

+ sign 83.273+/-0.011 χ^2/NDF: 2196020.6/46

All: 83.281+/-0.008 χ^2/NDF: 4781376.7/96

- sign 83.288+/-0.011 χ^2/NDF: 2585355.1/49



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.1/26

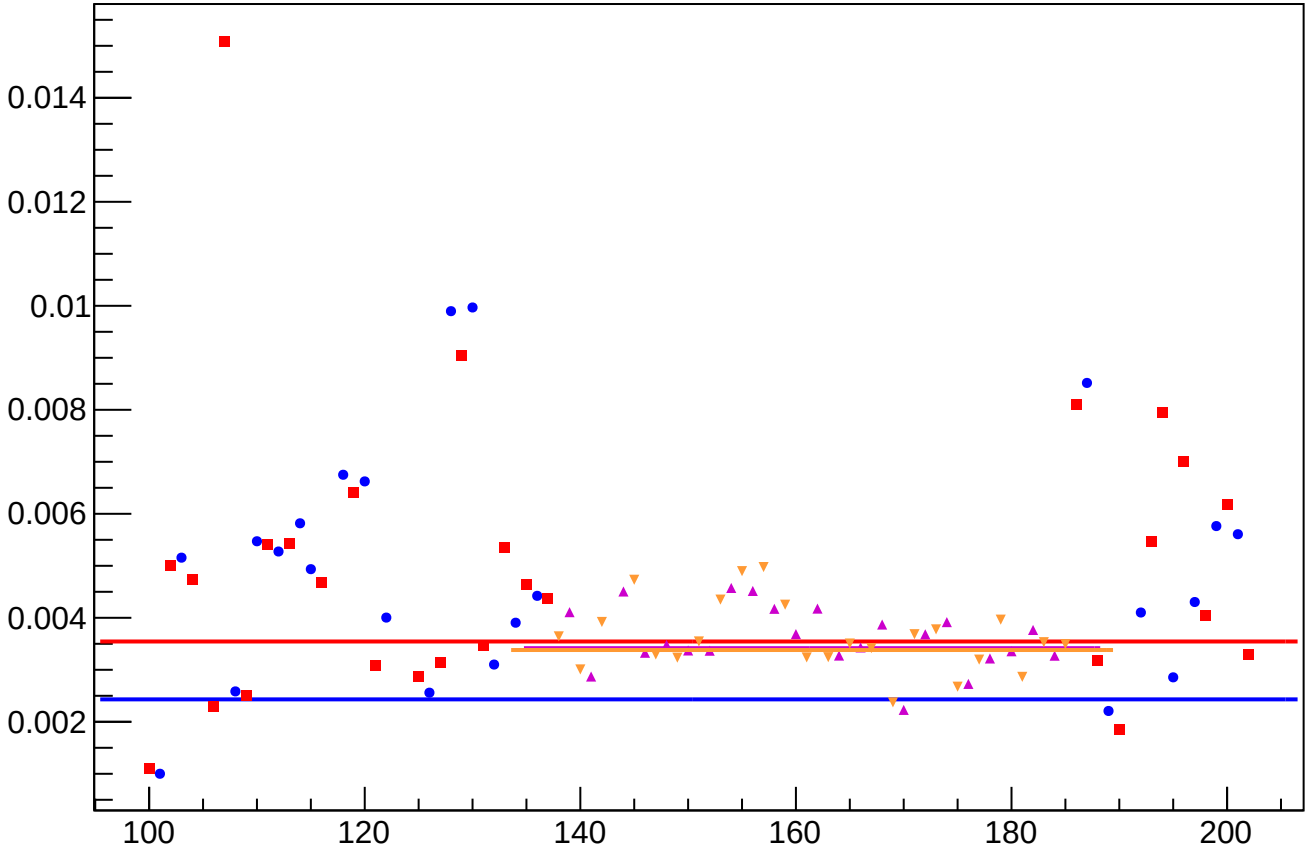
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.6/46

All: -0.000+/-0.000 χ^2/NDF: 122.0/96

- sign 0.000+/-0.000 χ^2/NDF: 50.7/49

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7972212.2/22

Left Out: 0.003+/-0.000 χ^2/NDF:1195636.0/23

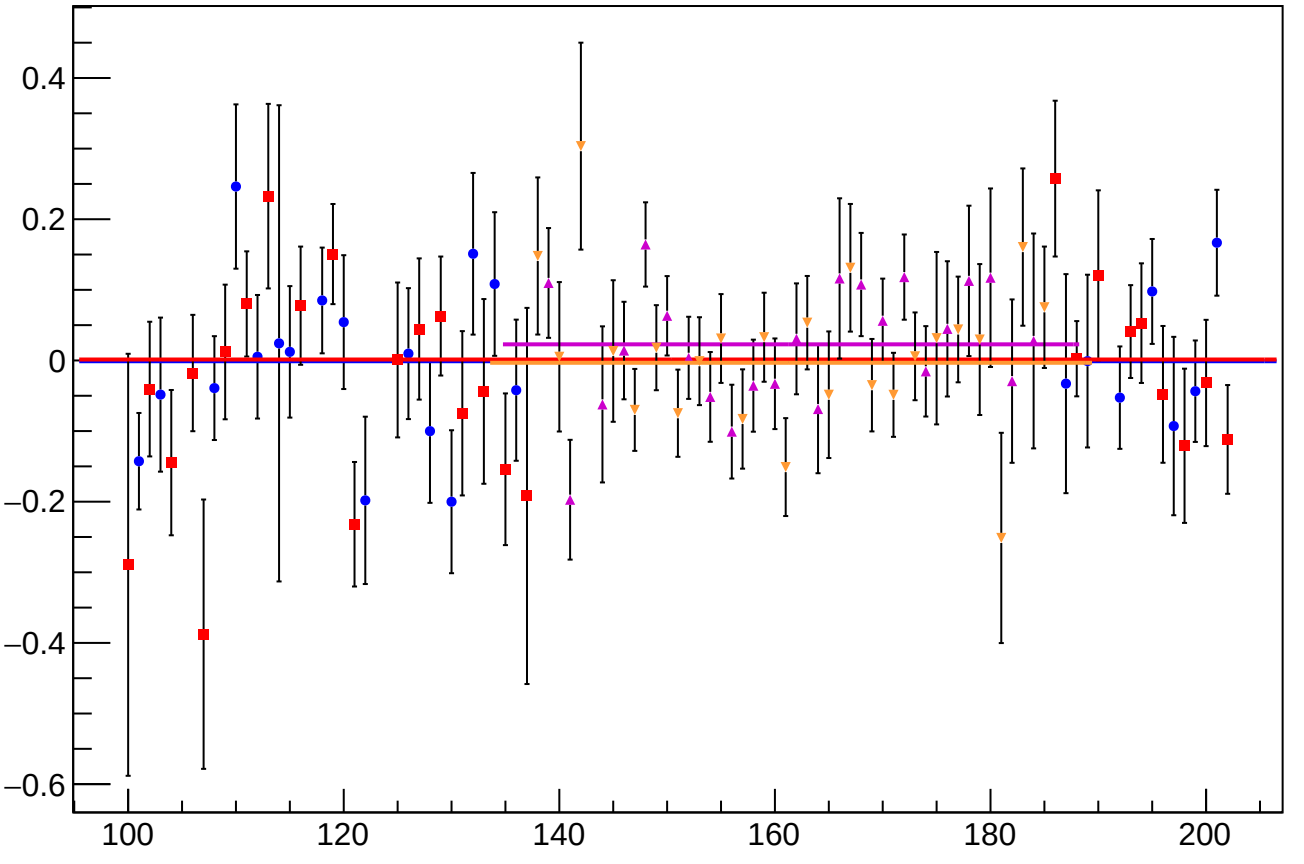
Right Out: 0.004+/-0.000 χ^2/NDF: 4743542.5/26

Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 10448375.4/46

All: 0.003+/-0.000 χ^2/NDF: 17080223.2/96

- sign 0.003+/-0.000 χ^2/NDF: 5931948.4/49



Right In: -0.001+/-0.019 χ^2/NDF: 29.9/22

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

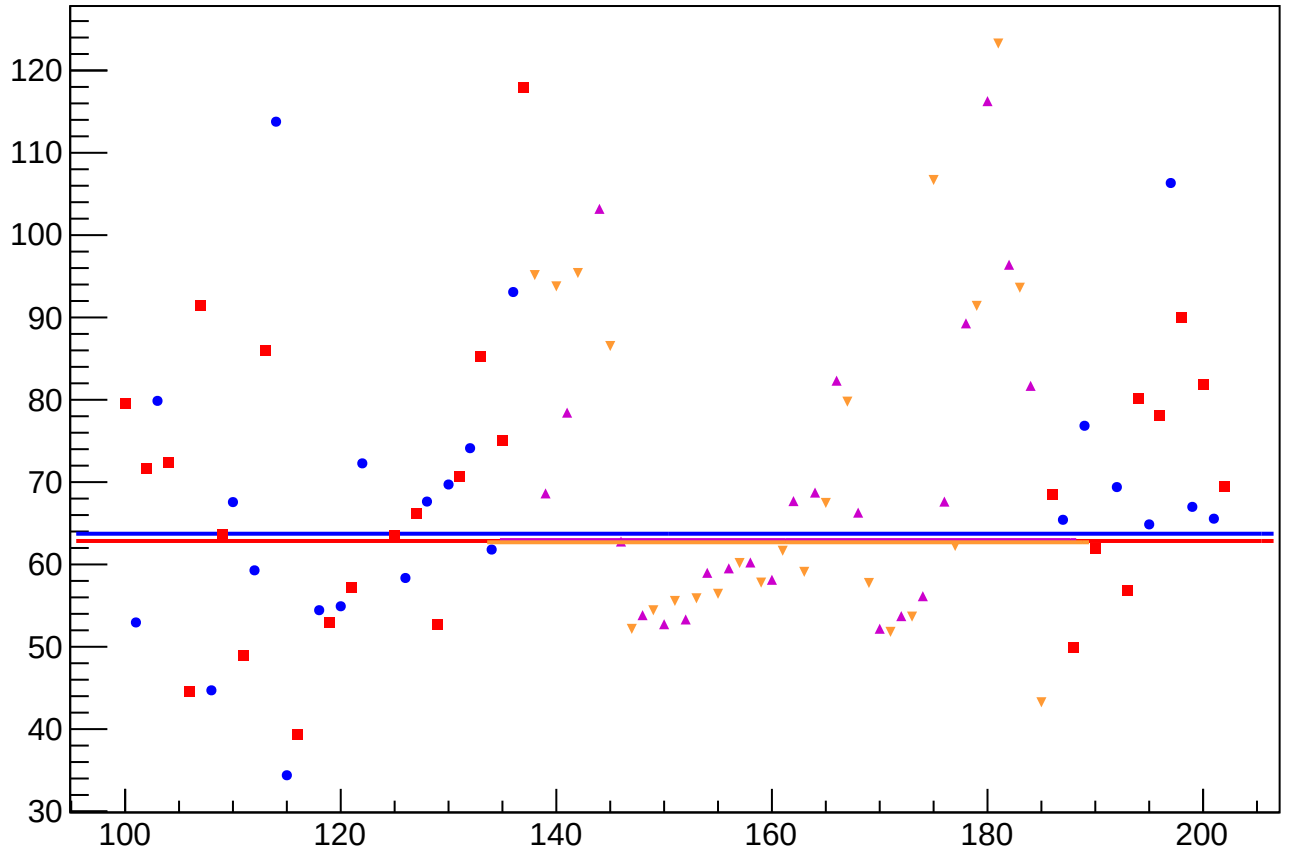
Right Out: 0.001+/-0.018 χ^2/NDF: 38.7/26

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.002+/-0.012 χ^2/NDF: 55.8/46

All: 0.006+/-0.008 χ^2/NDF: 125.1/96

- sign 0.014+/-0.012 χ^2/NDF: 68.5/49



Right In: 63.732+/-0.014 χ^2/NDF: 1010858.6/22

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

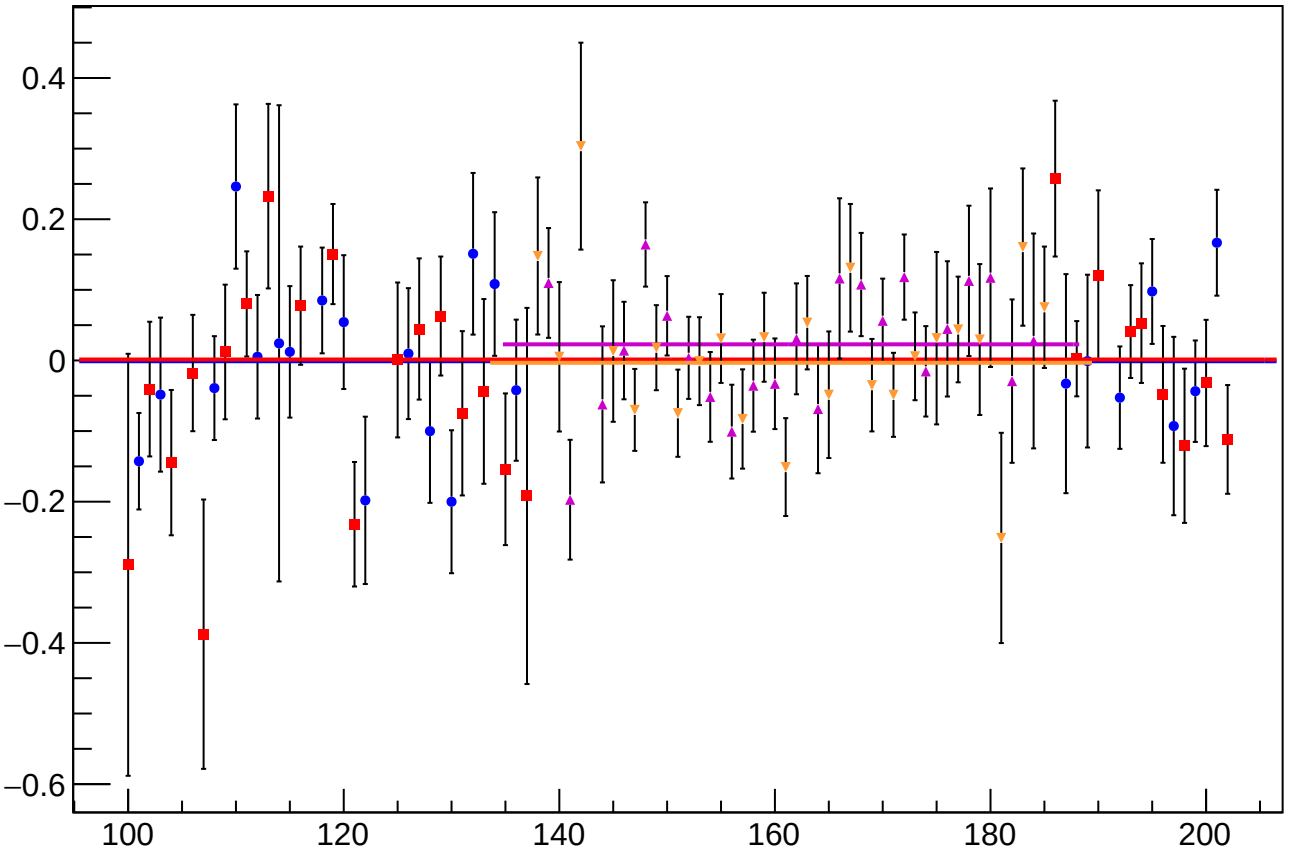
Right Out: 62.851+/-0.013 χ^2/NDF: 1233939.8/26

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 63.099+/-0.009 χ^2/NDF: 2953746.4/46

All: 63.002+/-0.006 χ^2/NDF: 5618377.6/96

- sign 62.911+/-0.008 χ^2/NDF: 2664380.6/49



Right In: -0.001+/-0.019 χ^2/NDF: 29.9/22

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

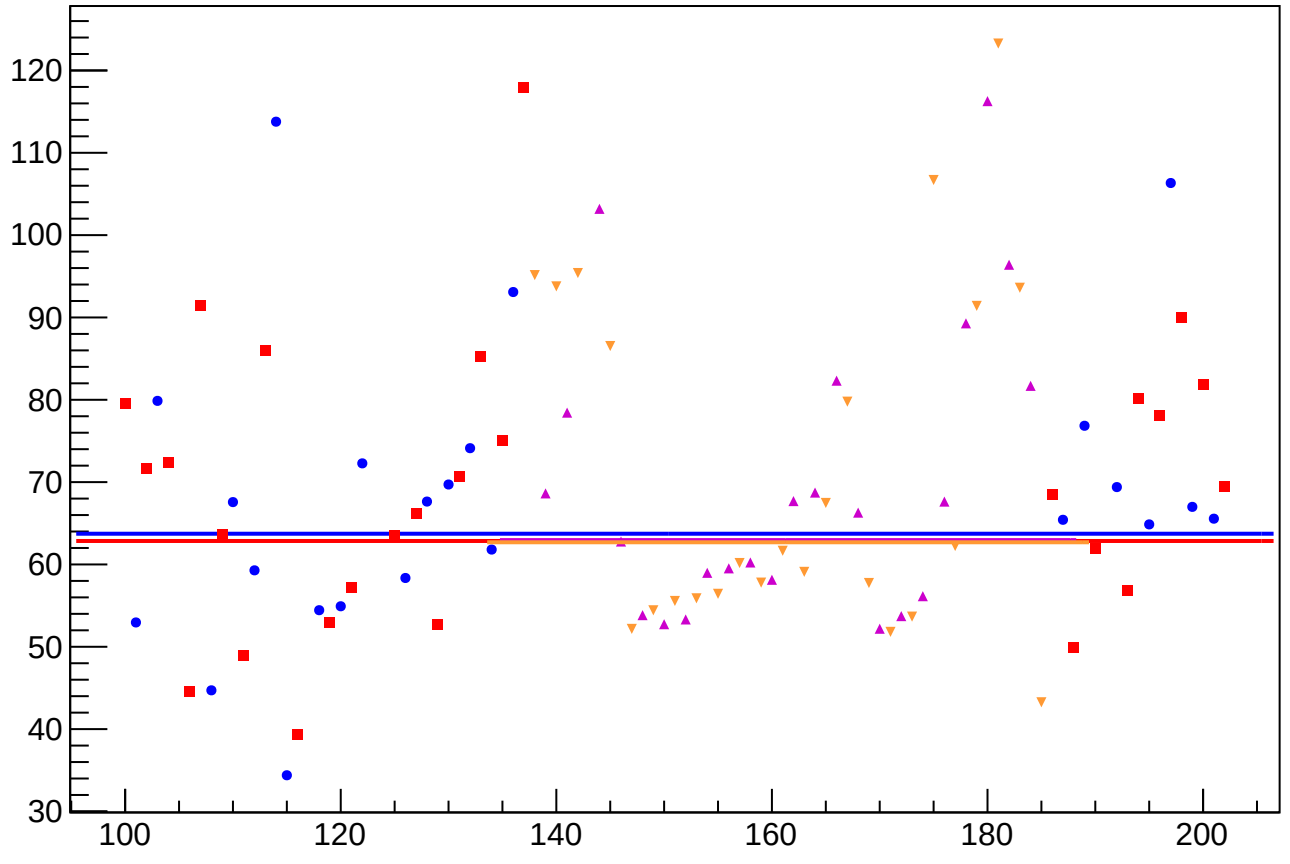
Right Out: 0.001+/-0.018 χ^2/NDF: 38.7/26

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.002+/-0.012 χ^2/NDF: 55.8/46

All: 0.006+/-0.008 χ^2/NDF: 125.1/96

- sign 0.014+/-0.012 χ^2/NDF: 68.5/49



Right In: 63.732+/-0.014 χ^2/NDF: 1010858.6/22

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

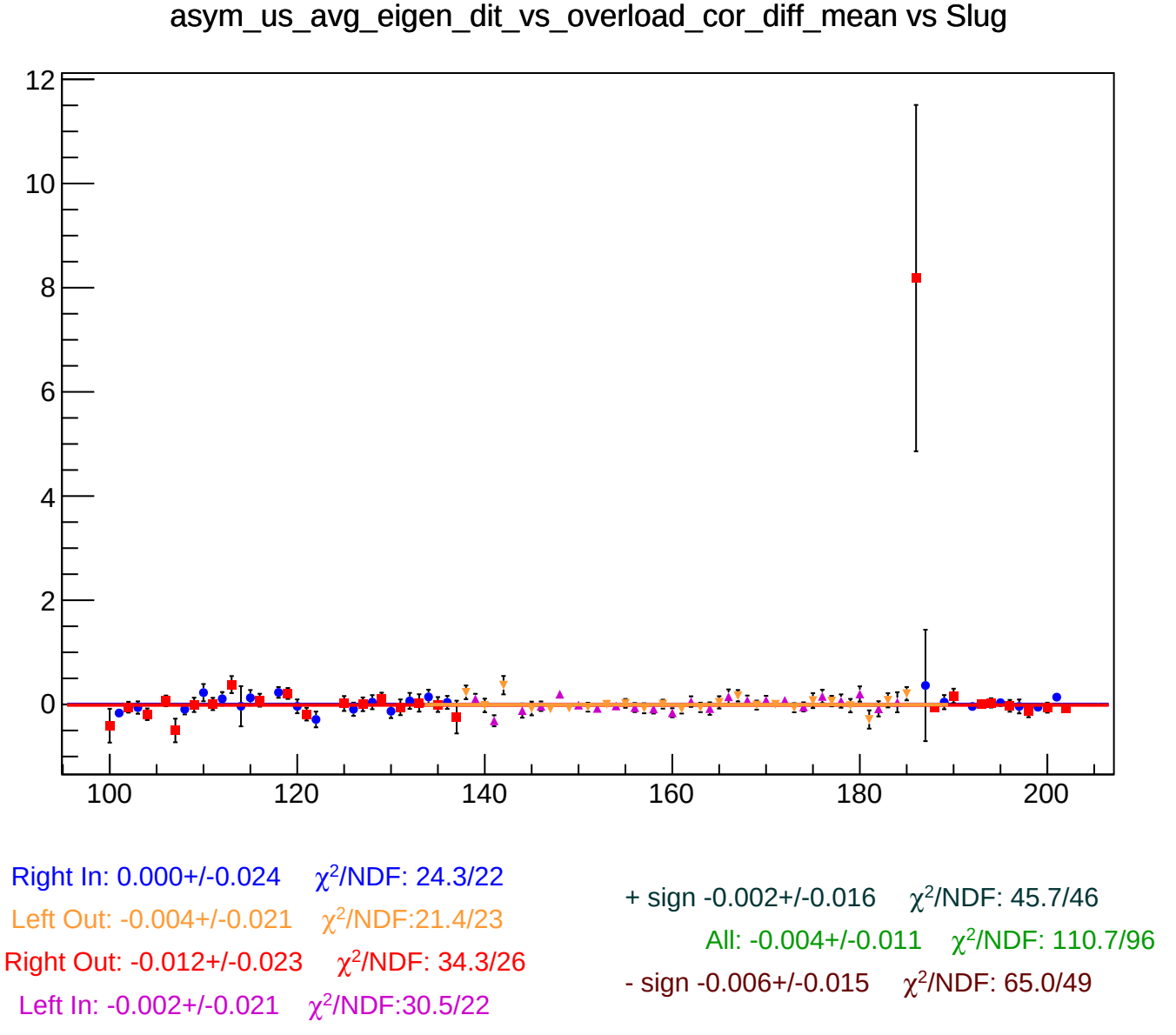
Right Out: 62.851+/-0.013 χ^2/NDF: 1233939.8/26

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

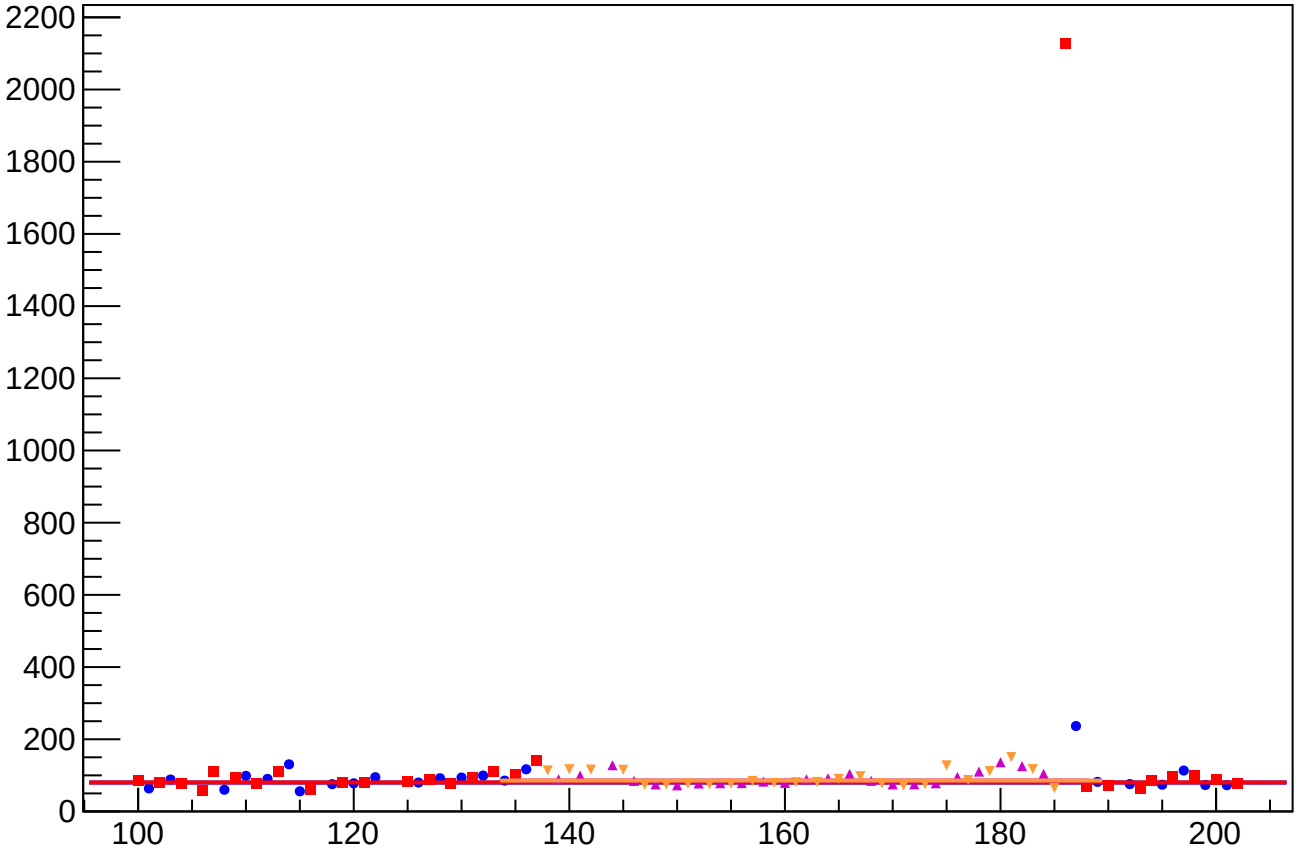
+ sign 63.099+/-0.009 χ^2/NDF: 2953746.4/46

All: 63.002+/-0.006 χ^2/NDF: 5618377.6/96

- sign 62.911+/-0.008 χ^2/NDF: 2664380.6/49


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.024 χ²/NDF: 24.3/22
Left Out: -0.004+/-0.021 χ²/NDF:21.4/23
Right Out: -0.012+/-0.023 χ²/NDF: 34.3/26
Left In: -0.002+/-0.021 χ²/NDF:30.5/22
+ sign -0.002+/-0.016 χ²/NDF: 45.7/46
All: -0.004+/-0.011 χ²/NDF: 110.7/96
- sign -0.006+/-0.015 χ²/NDF: 65.0/49

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 80.052+/-0.017 χ^2/NDF: 781041.9/22

Left Out: 85.651+/-0.015 χ^2/NDF:1352738.9/23

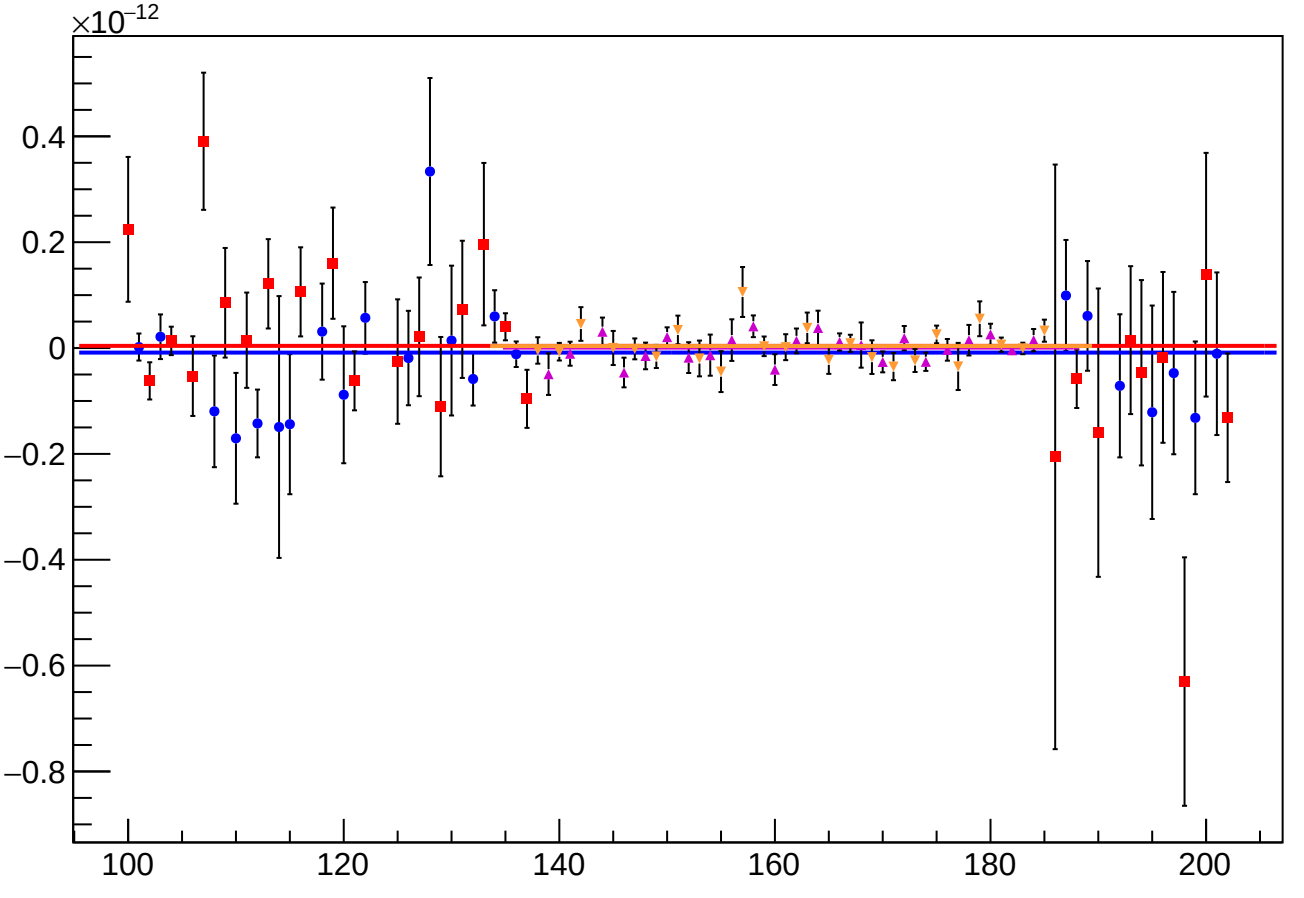
Right Out: 80.403+/-0.016 χ^2/NDF: 1530468.7/26

Left In: 85.679+/-0.015 χ^2/NDF:995860.8/22

+ sign 83.273+/-0.011 χ^2/NDF: 2196020.1/46

All: 83.281+/-0.008 χ^2/NDF: 4781351.0/96

- sign 83.288+/-0.011 χ^2/NDF: 2585330.0/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/23

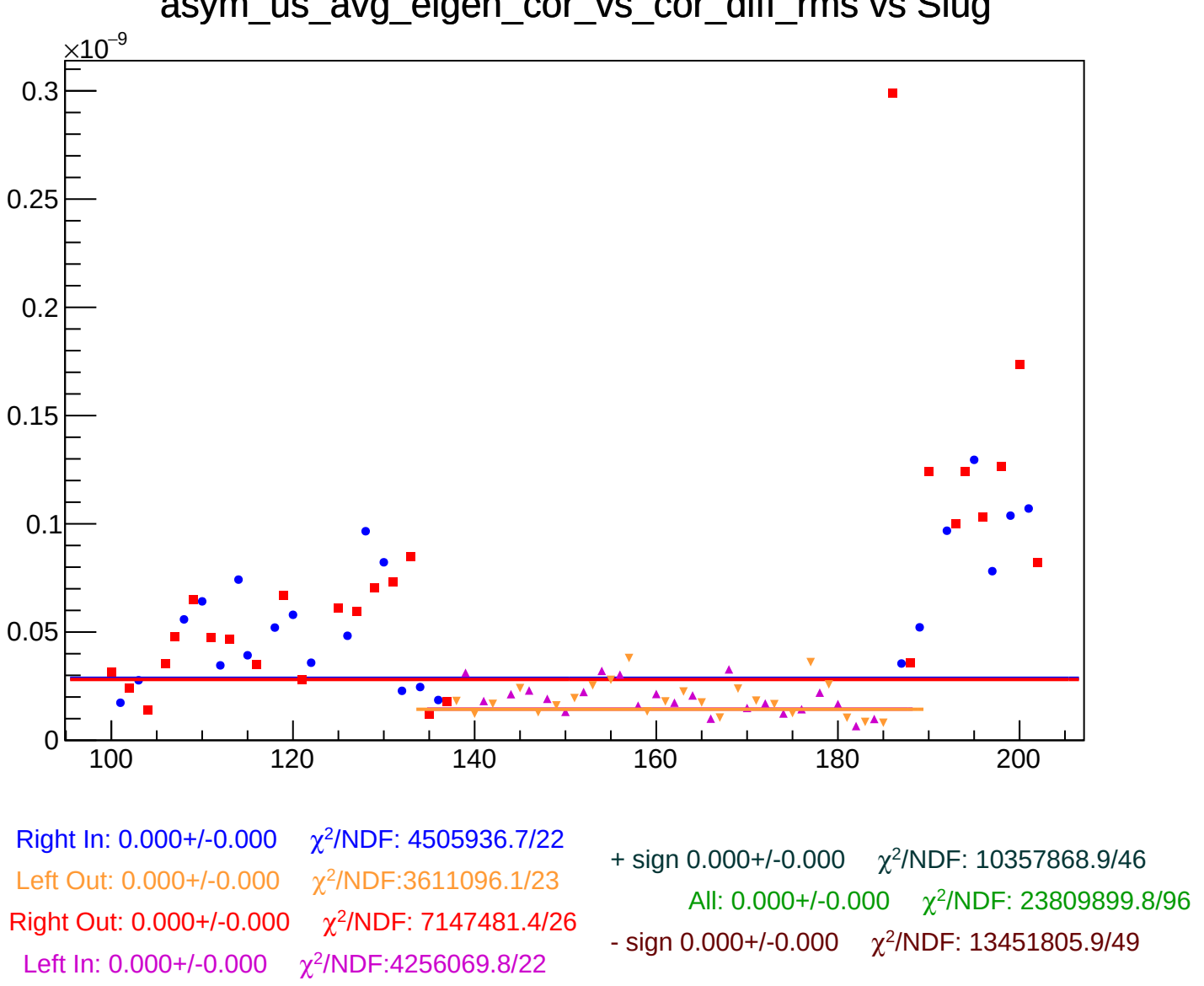
Right Out: 0.000+/-0.000 χ^2/NDF: 42.2/26

Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

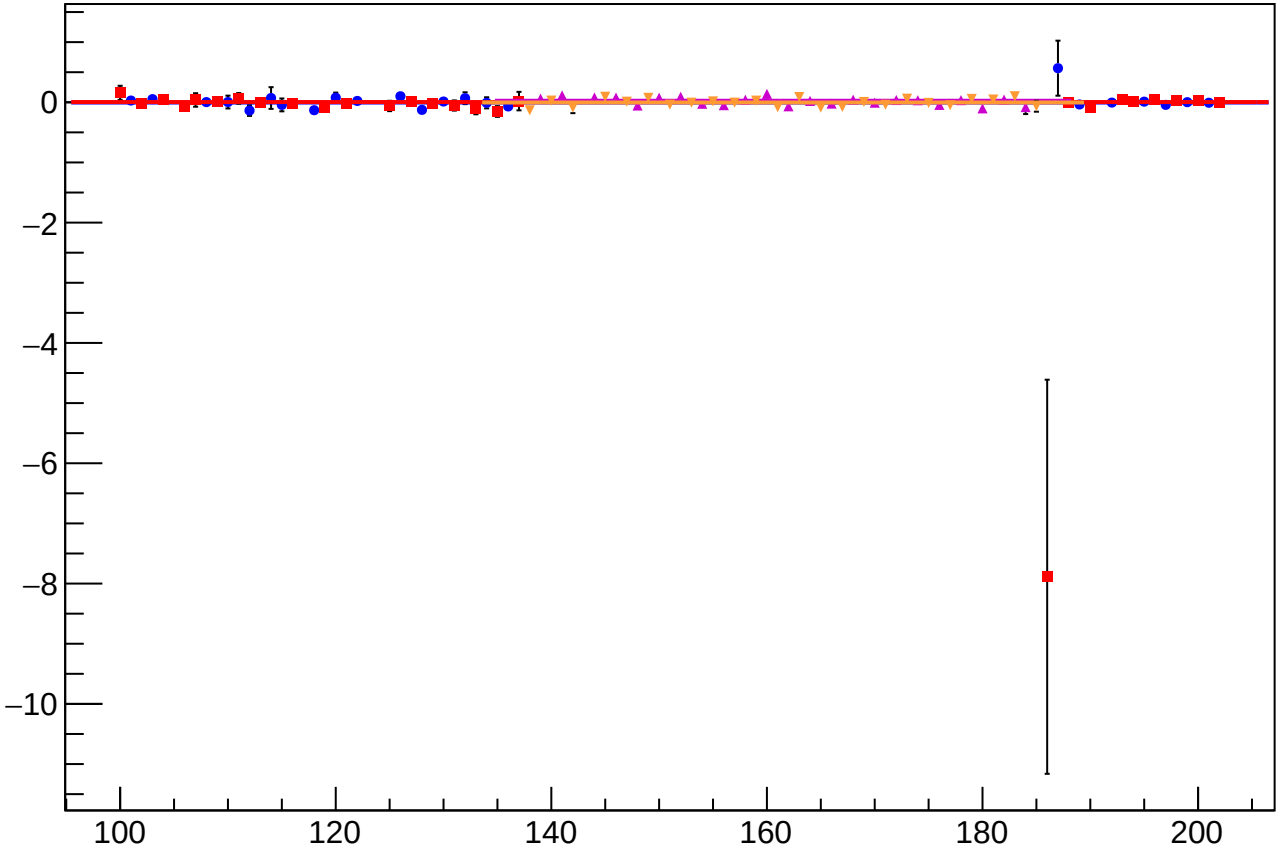
+ sign 0.000+/-0.000 χ^2/NDF: 46.1/46

All: 0.000+/-0.000 χ^2/NDF: 112.0/96

- sign 0.000+/-0.000 χ^2/NDF: 65.9/49


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4505936.7/22
Left Out: 0.000+/-0.000 χ²/NDF:3611096.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 7147481.4/26
Left In: 0.000+/-0.000 χ²/NDF:4256069.8/22
+ sign 0.000+/-0.000 χ²/NDF: 10357868.9/46
All: 0.000+/-0.000 χ²/NDF: 23809899.8/96
- sign 0.000+/-0.000 χ²/NDF: 13451805.9/49

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.010 χ^2/NDF: 19.7/22

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

Right Out: 0.004+/-0.009 χ^2/NDF: 29.6/26

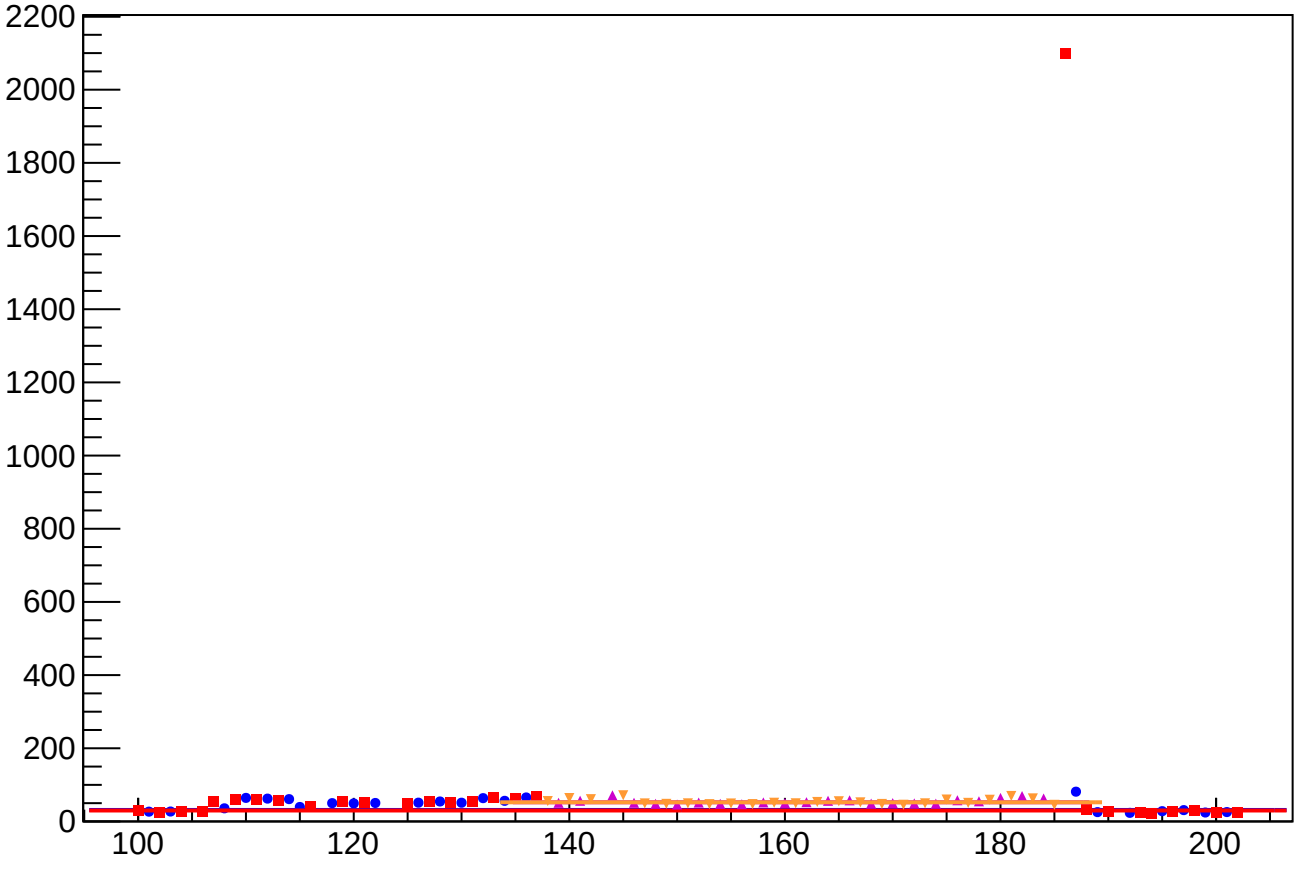
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 42.8/46

All: 0.004+/-0.005 χ^2/NDF: 100.5/96

- sign 0.011+/-0.007 χ^2/NDF: 55.9/49

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 31.385+/-0.007 χ^2/NDF: 2722688.5/22

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

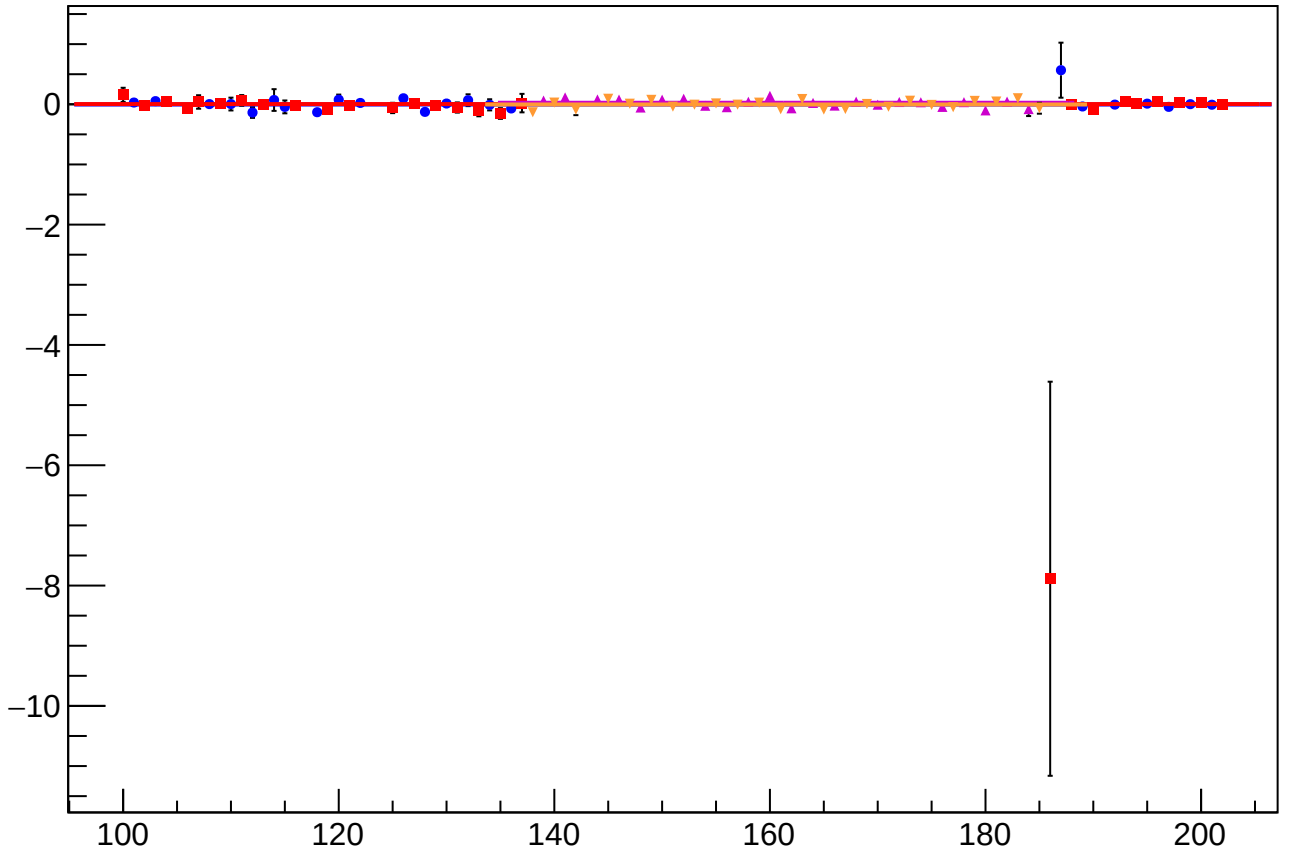
Right Out: 29.984+/-0.006 χ^2/NDF: 3794497.7/26

Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 39.471+/-0.005 χ^2/NDF: 6751906.0/46

All: 38.433+/-0.004 χ^2/NDF: 15361700.1/96

- sign 37.518+/-0.005 χ^2/NDF: 8541648.4/49



Right In: -0.004+/-0.010 χ^2/NDF: 19.7/22

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

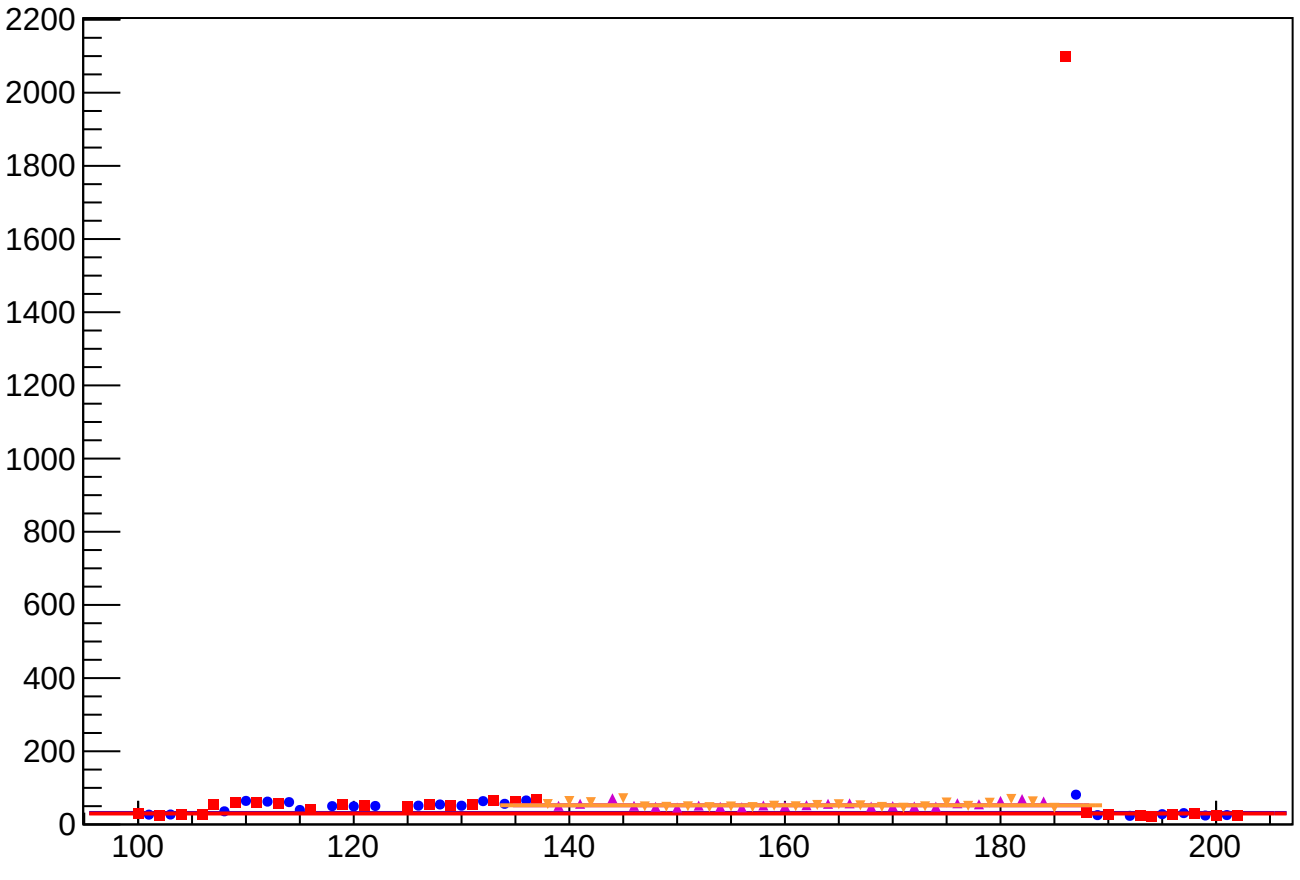
Right Out: 0.004+/-0.009 χ^2/NDF: 29.6/26

Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 42.8/46

All: 0.004+/-0.005 χ^2/NDF: 100.5/96

- sign 0.011+/-0.007 χ^2/NDF: 55.9/49



Right In: 31.385+/-0.007 χ^2/NDF: 2722688.5/22

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

Right Out: 29.984+/-0.006 χ^2/NDF: 3794497.7/26

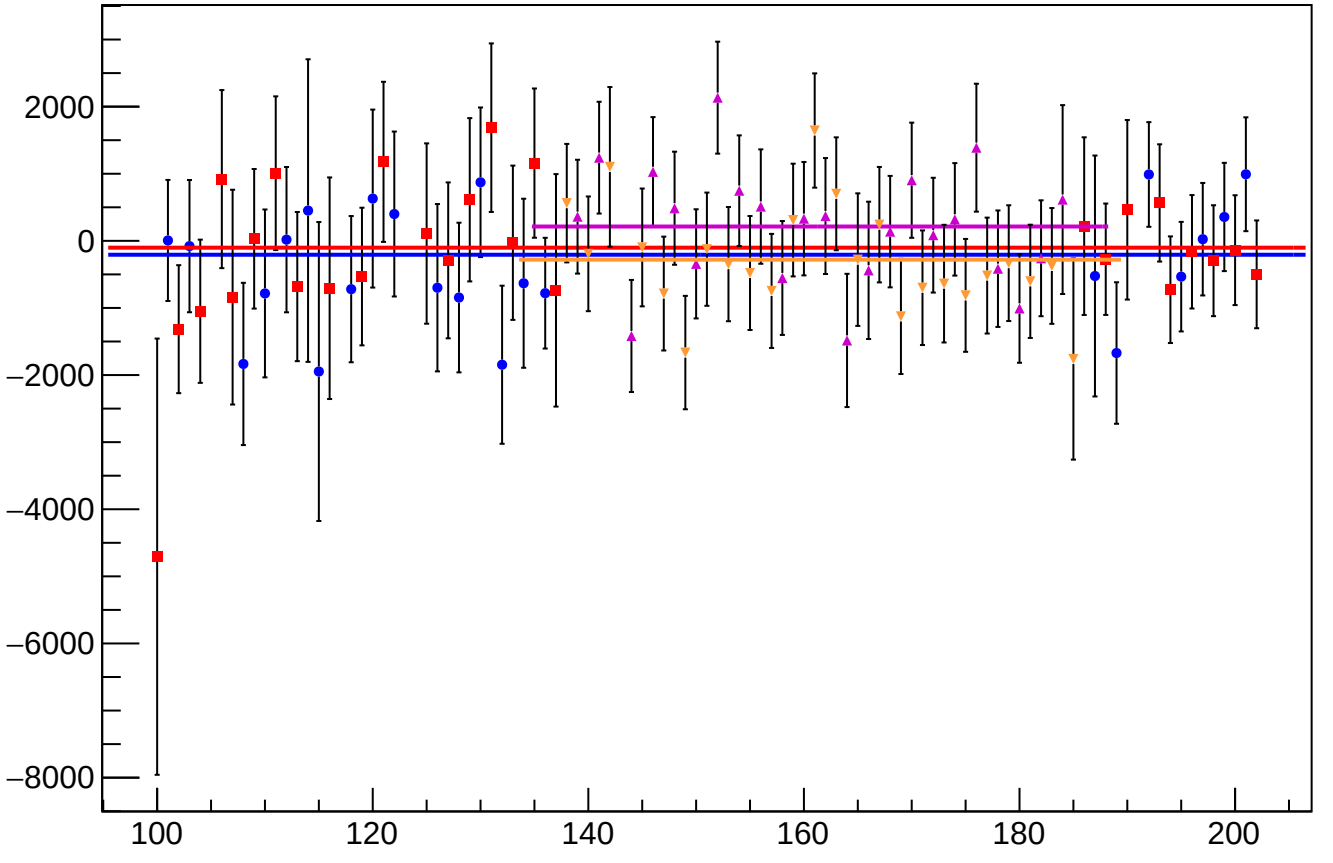
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 39.471+/-0.005 χ^2/NDF: 6751906.0/46

All: 38.433+/-0.004 χ^2/NDF: 15361700.1/96

- sign 37.518+/-0.005 χ^2/NDF: 8541648.4/49

reg_asym_us_dd_mean vs Slug



Right In: -206.963+/-219.896 χ^2/NDF: 14.7/22

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: -101.777+/-206.583 χ^2/NDF: 13.5/26

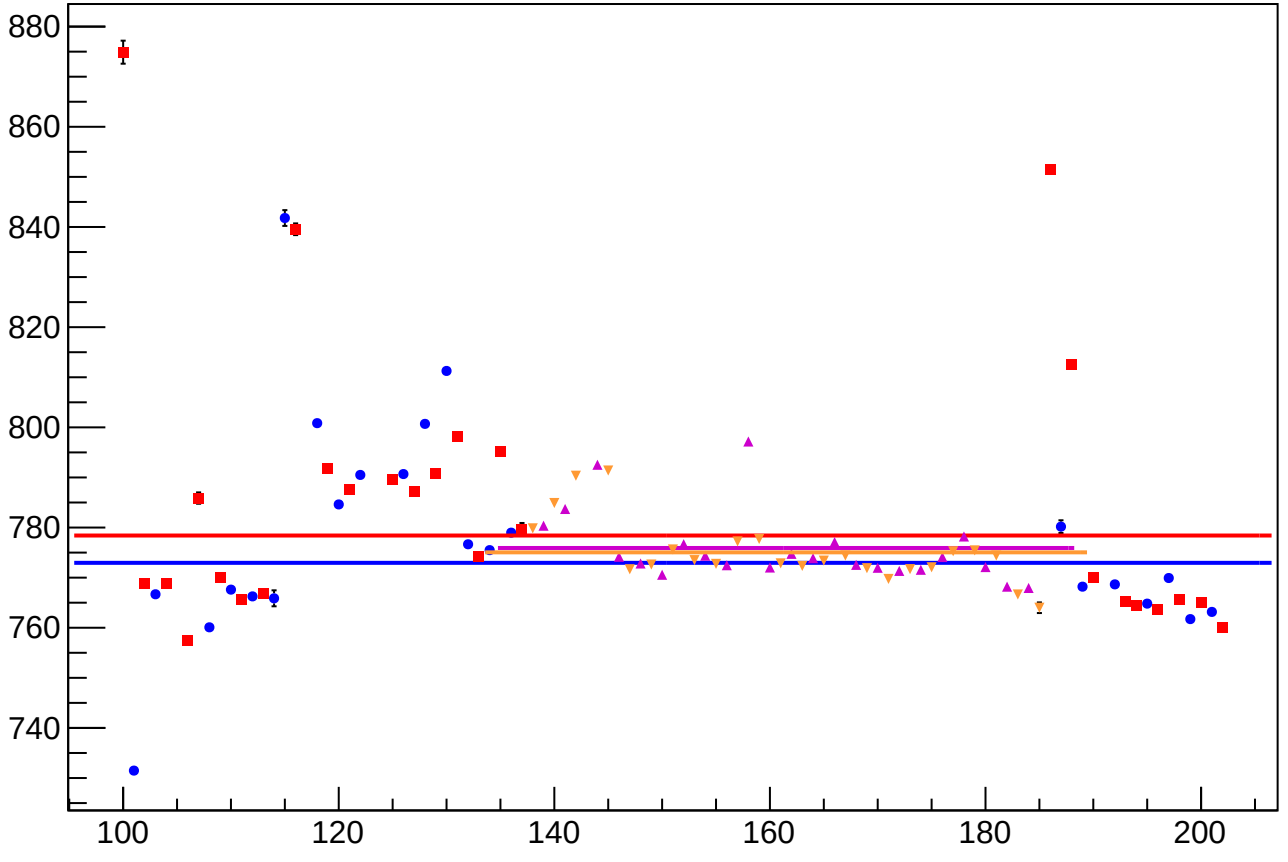
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -250.938+/-139.231 χ^2/NDF: 30.8/46

All: -83.681+/-97.365 χ^2/NDF: 70.9/96

- sign 76.395+/-136.209 χ^2/NDF: 37.2/49

reg_asym_us_dd_rms vs Slug



Right In: 772.957+/-0.155 χ^2/NDF: 13601.9/22

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

Right Out: 778.409+/-0.146 χ^2/NDF: 21228.5/26

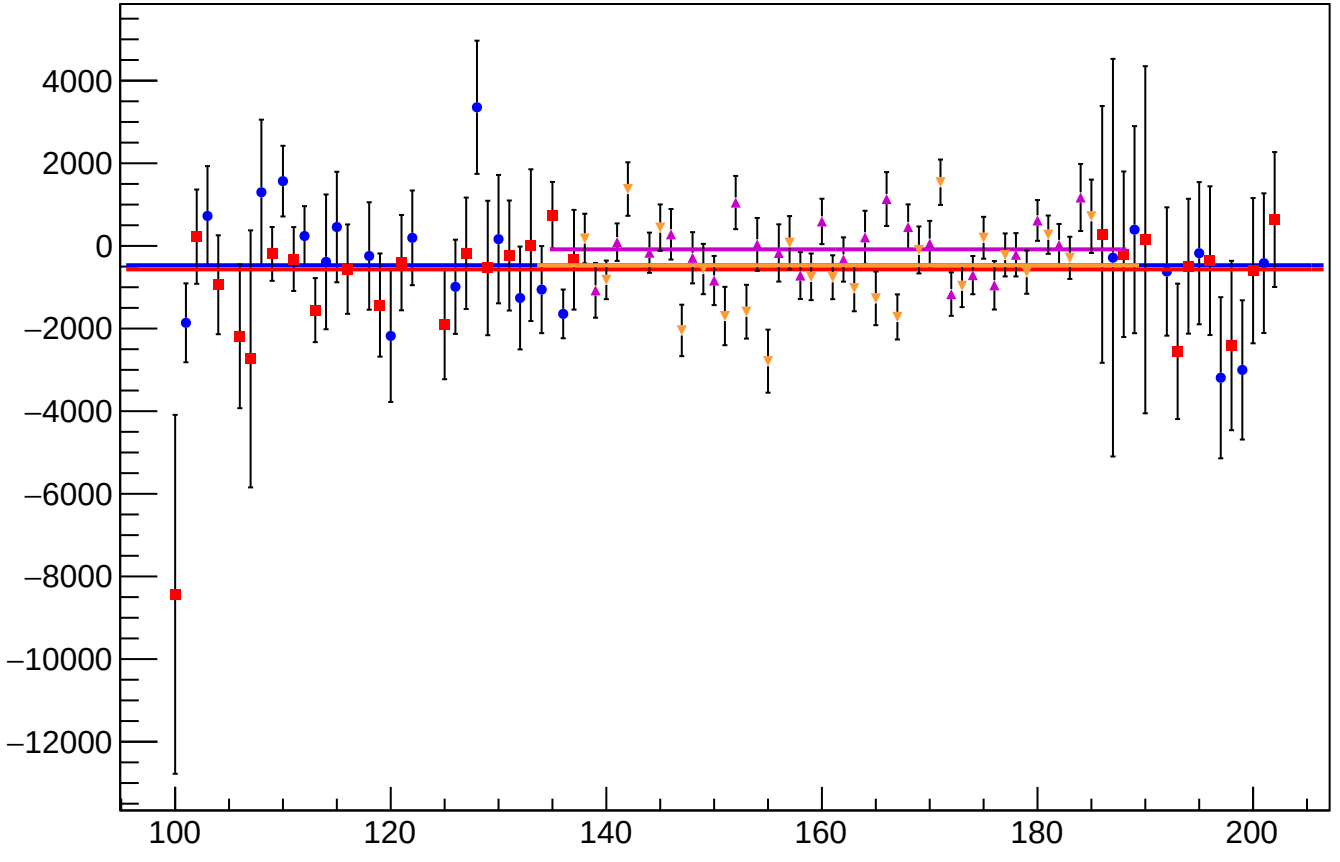
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 774.211+/-0.098 χ^2/NDF: 15661.7/46

All: 775.638+/-0.069 χ^2/NDF: 40438.2/96

- sign 777.003+/-0.096 χ^2/NDF: 24365.4/49

asym_us_dd_reg_correction_mean vs Slug



Right In: -467.362+/-250.165 χ^2/NDF: 27.8/22

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

Right Out: -568.038+/-243.471 χ^2/NDF: 14.7/26

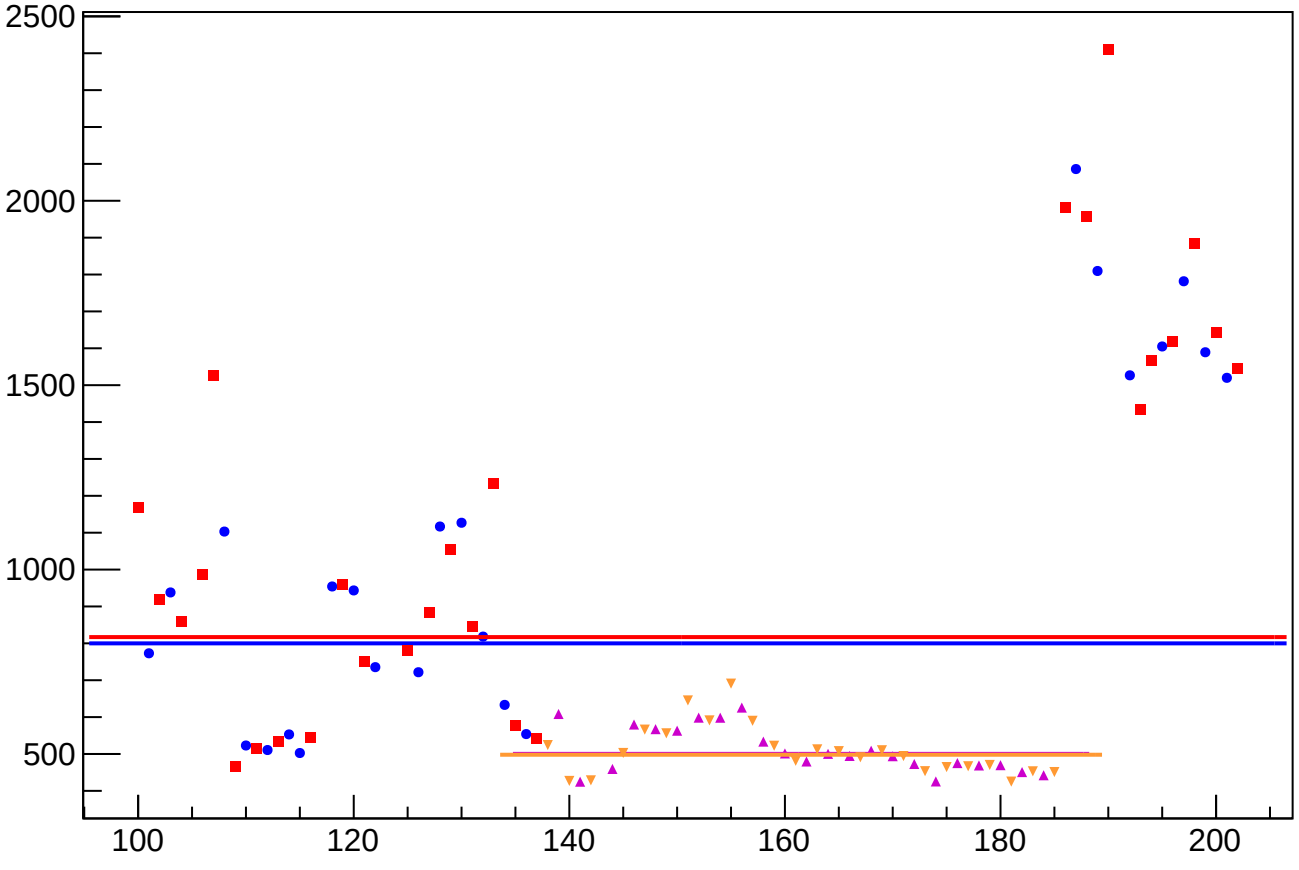
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -467.189+/-105.768 χ^2/NDF: 92.3/46

All: -321.549+/-74.887 χ^2/NDF: 142.0/96

- sign -175.142+/-106.046 χ^2/NDF: 46.0/49

asym_us_dd_reg_correction_rms vs Slug



Right In: 799.927+/-0.177 χ^2/NDF: 4037771.9/22

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

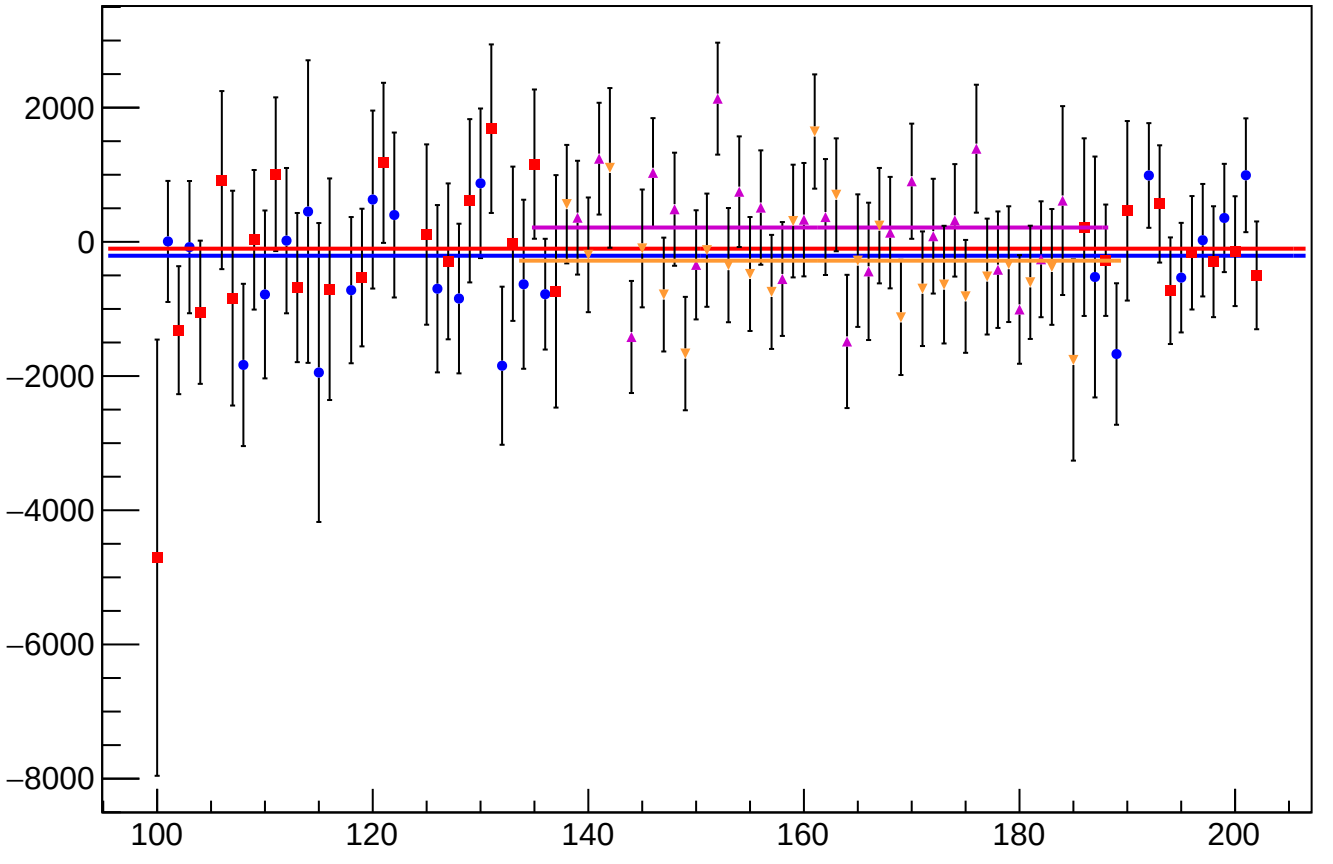
Right Out: 816.954+/-0.172 χ^2/NDF: 5592565.8/26

Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 551.942+/-0.075 χ^2/NDF: 6957812.2/46

All: 556.149+/-0.053 χ^2/NDF: 15775214.3/96

- sign 560.378+/-0.075 χ^2/NDF: 8811057.2/49



Right In: -206.963+/-219.896 χ^2/NDF: 14.7/22

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: -101.777+/-206.583 χ^2/NDF: 13.5/26

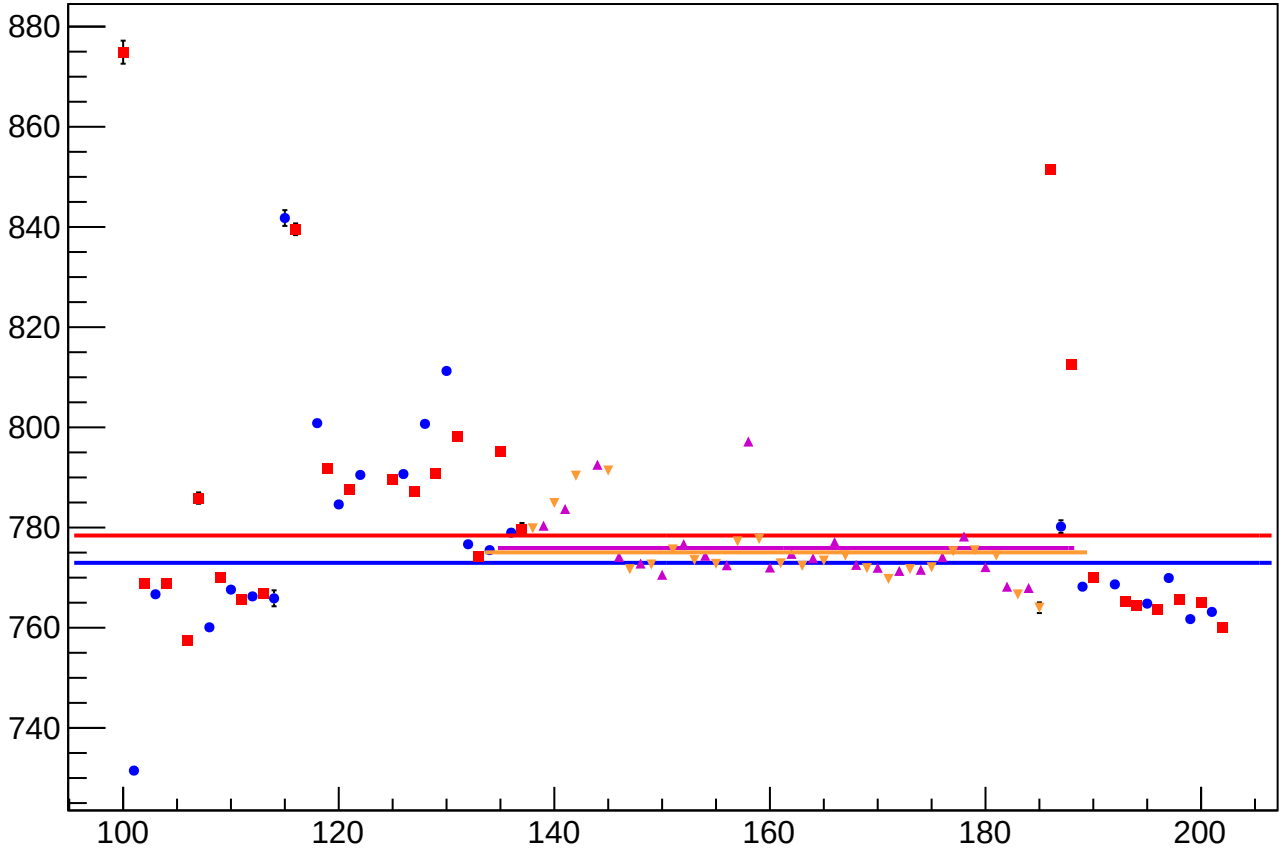
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -250.938+/-139.231 χ^2/NDF: 30.8/46

All: -83.681+/-97.365 χ^2/NDF: 70.9/96

- sign 76.395+/-136.209 χ^2/NDF: 37.2/49

cor_asym_us_dd_rms vs Slug



Right In: 772.957+/-0.155 χ^2/NDF: 13601.9/22

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

Right Out: 778.409+/-0.146 χ^2/NDF: 21228.5/26

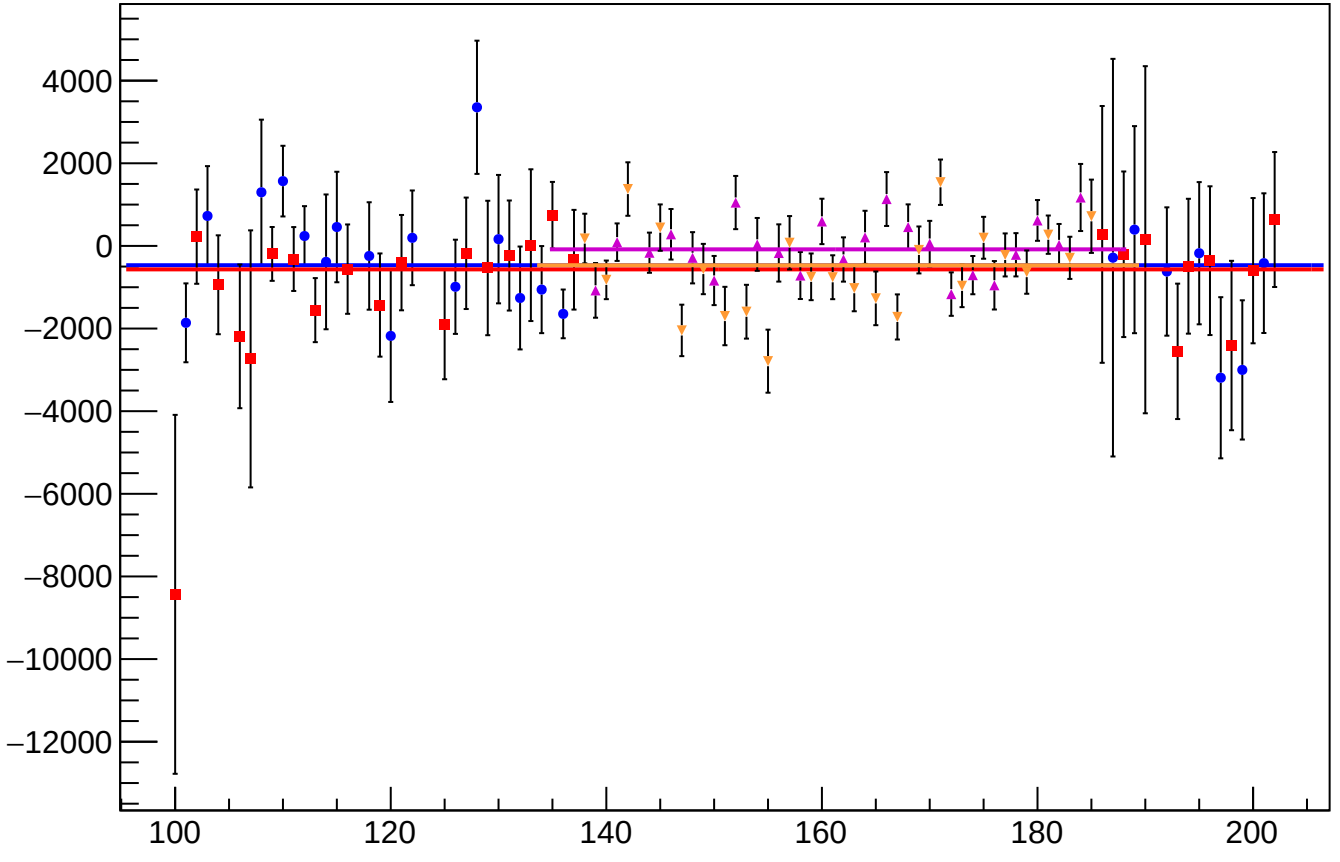
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 774.211+/-0.098 χ^2/NDF: 15661.7/46

All: 775.638+/-0.069 χ^2/NDF: 40438.2/96

- sign 777.003+/-0.096 χ^2/NDF: 24365.4/49

asym_us_dd_cor_correction_mean vs Slug



Right In: -467.362+/-250.165 χ^2/NDF: 27.8/22

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

Right Out: -568.038+/-243.471 χ^2/NDF: 14.7/26

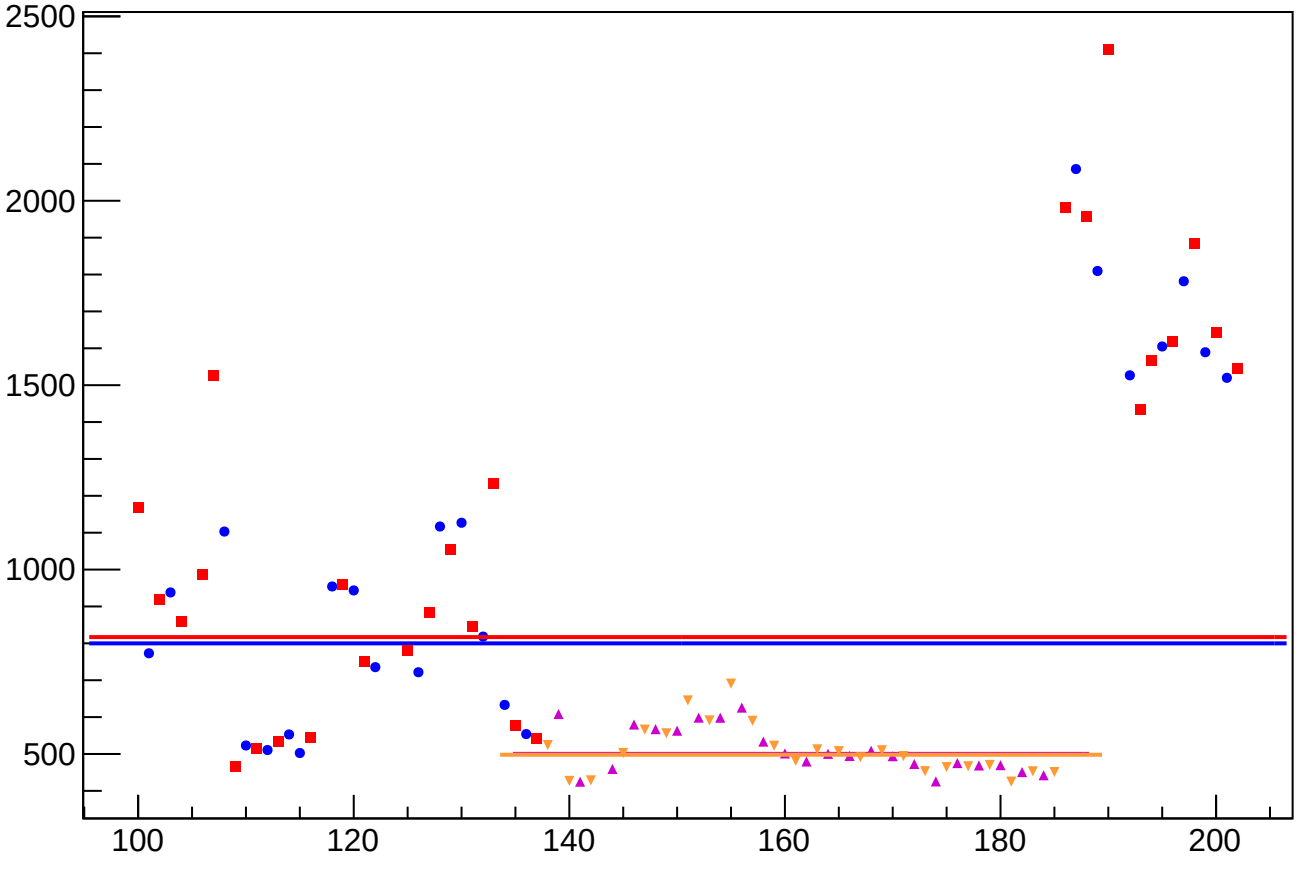
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -467.189+/-105.768 χ^2/NDF: 92.3/46

All: -321.549+/-74.887 χ^2/NDF: 142.0/96

- sign -175.142+/-106.046 χ^2/NDF: 46.0/49

asym_us_dd_cor_correction_rms vs Slug



Right In: 799.927+/-0.177 χ^2/NDF: 4037771.9/22

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 816.954+/-0.172 χ^2/NDF: 5592565.8/26

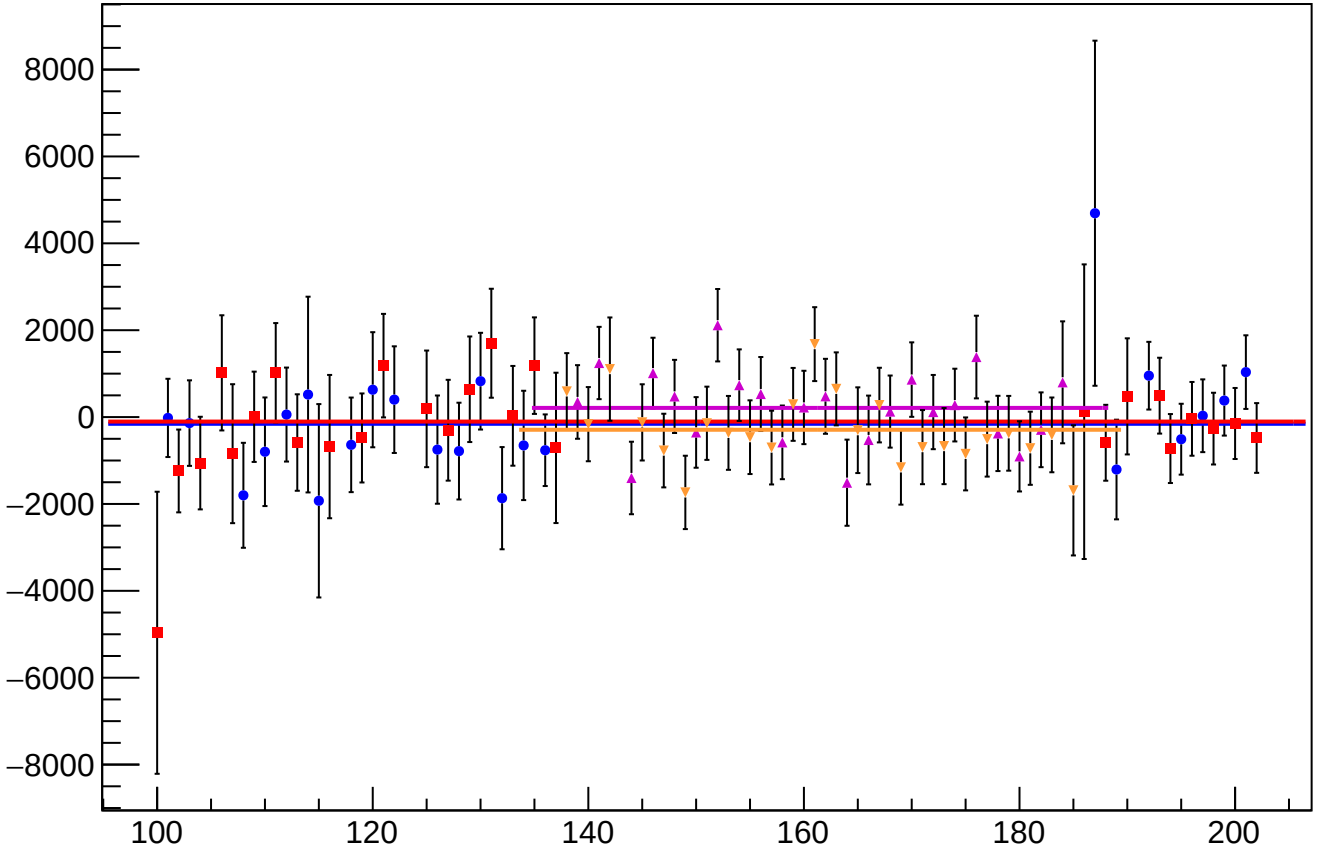
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

\+ sign 551.942+/-0.075 χ^2/NDF: 6957812.2/46

All: 556.149+/-0.053 χ^2/NDF: 15775214.3/96

\- sign 560.378+/-0.075 χ^2/NDF: 8811057.2/49

overload_cor_asym_us_dd_mean vs Slug



Right In: -154.499+/-221.794 χ^2/NDF: 14.8/22

Left Out: -292.036+/-179.670 χ^2/NDF:16.6/23

Right Out: -103.244+/-209.300 χ^2/NDF: 13.8/26

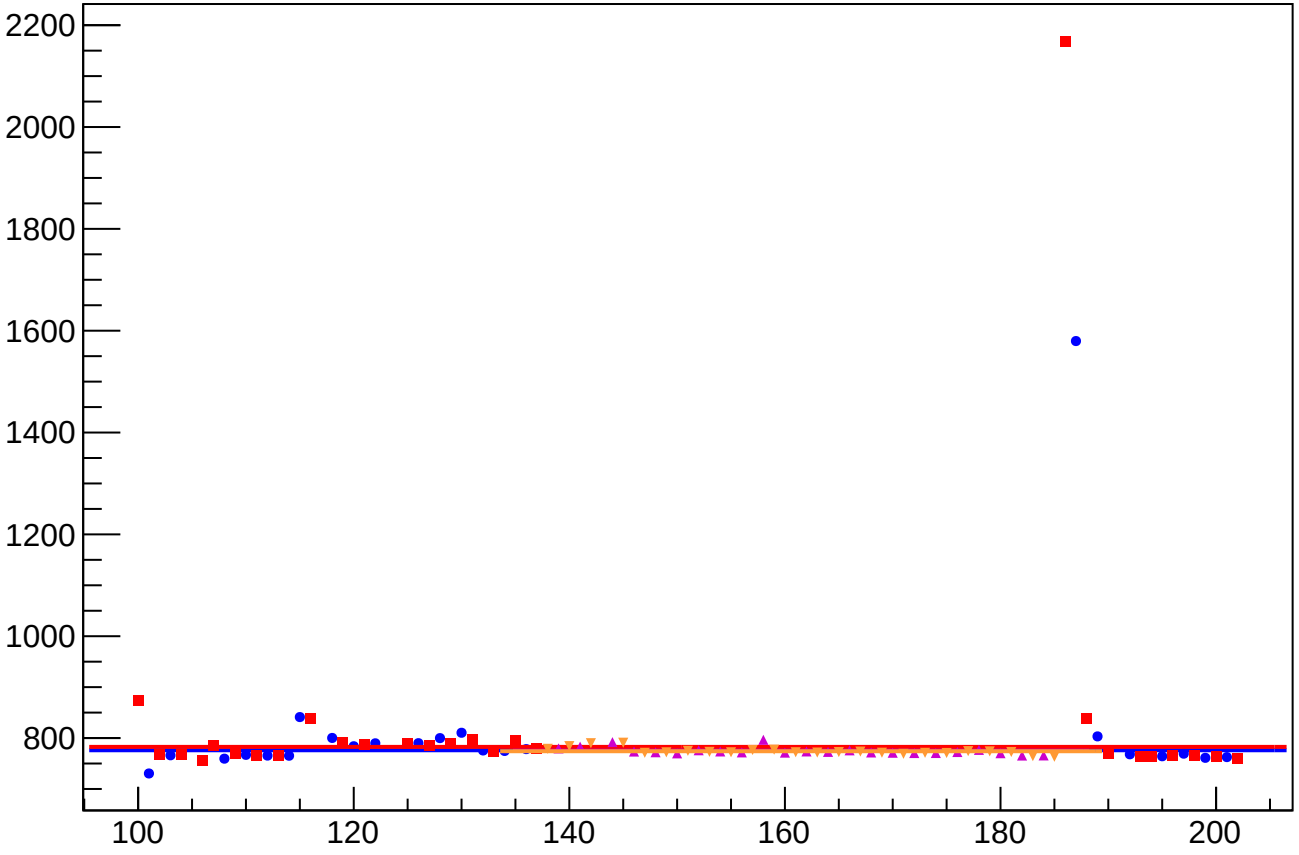
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -237.541+/-139.610 χ^2/NDF: 31.6/46

All: -77.313+/-97.742 χ^2/NDF: 71.5/96

- sign 76.722+/-136.886 χ^2/NDF: 37.3/49

overload_cor_asym_us_dd_rms vs Slug



Right In: 776.048+/-0.157 χ^2/NDF: 97065.6/22

Left Out: 774.142+/-0.127 χ^2/NDF:2060.4/23

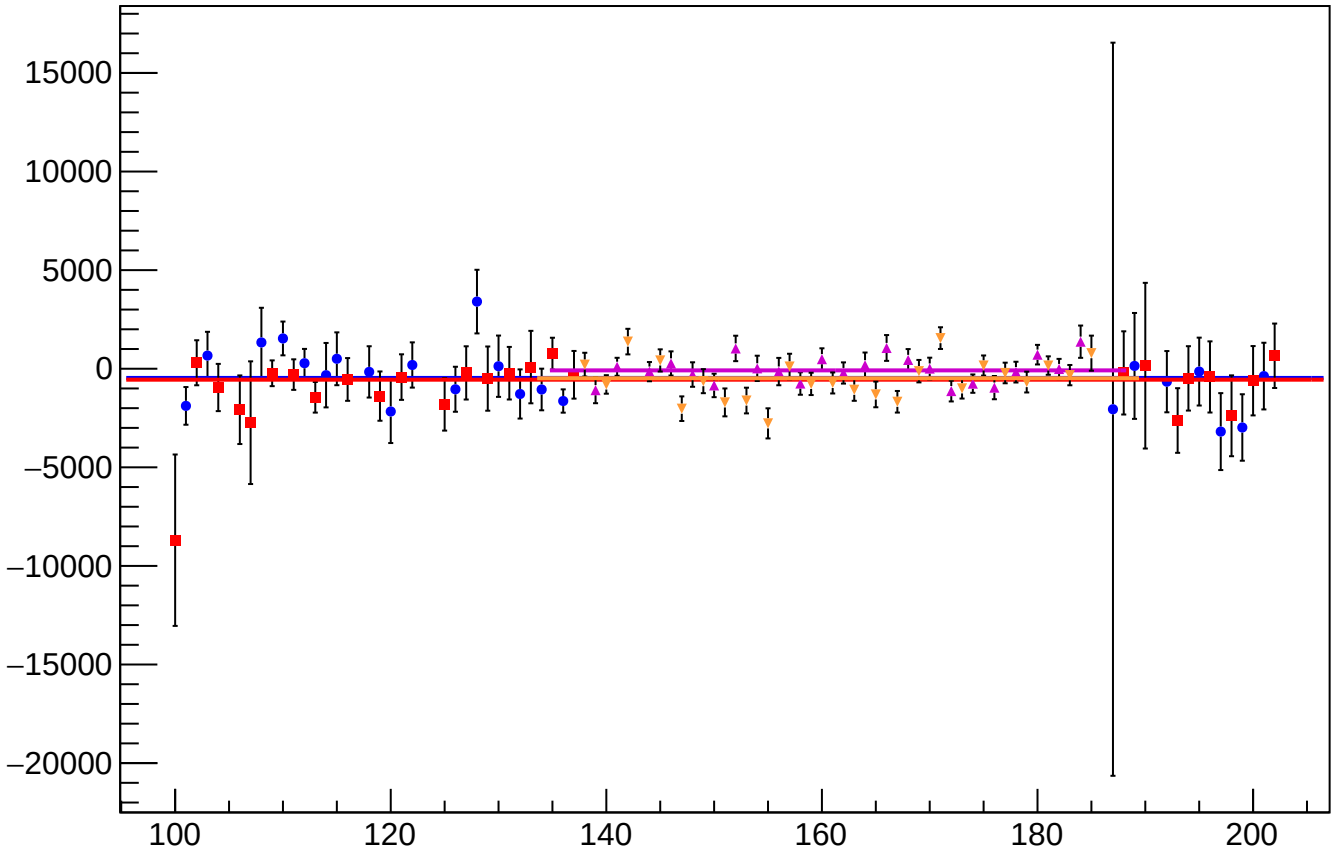
Right Out: 782.646+/-0.148 χ^2/NDF: 355776.1/26

Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

+ sign 774.897+/-0.099 χ^2/NDF: 99215.2/46

All: 776.614+/-0.069 χ^2/NDF: 460264.1/96

- sign 778.264+/-0.097 χ^2/NDF: 360455.7/49



Right In: -466.772+/-250.969 χ^2/NDF: 27.8/22

Left Out: -481.314+/-117.092 χ^2/NDF:63.5/23

Right Out: -555.777+/-244.731 χ^2/NDF: 14.4/25

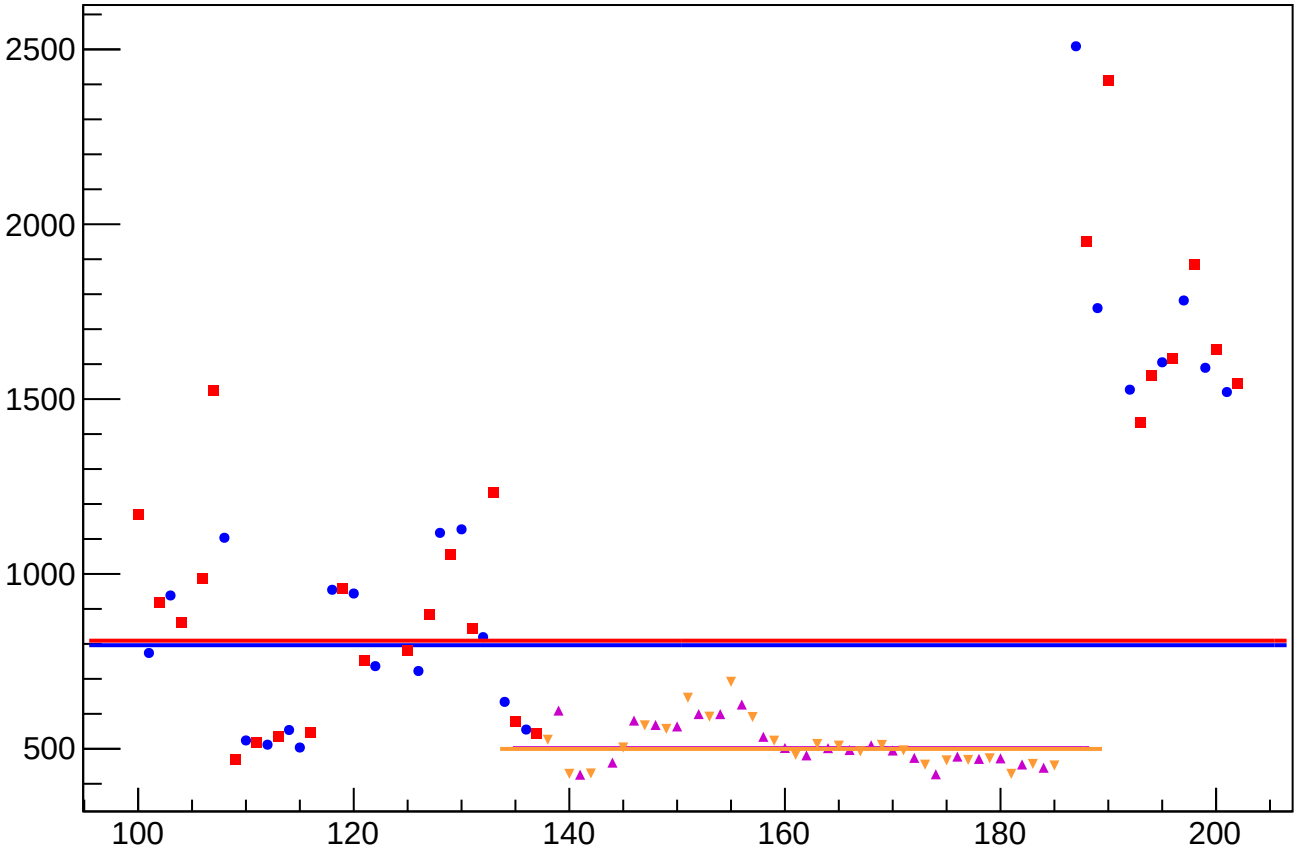
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -478.714+/-106.111 χ^2/NDF: 91.3/46

All: -326.107+/-75.145 χ^2/NDF: 141.1/95

- sign -172.576+/-106.432 χ^2/NDF: 45.7/48

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 796.268+/-0.177 χ^2/NDF: 3831348.2/22

Left Out: 499.670+/-0.083 χ^2/NDF:516314.6/23

Right Out: 809.212+/-0.173 χ^2/NDF: 5218489.2/25

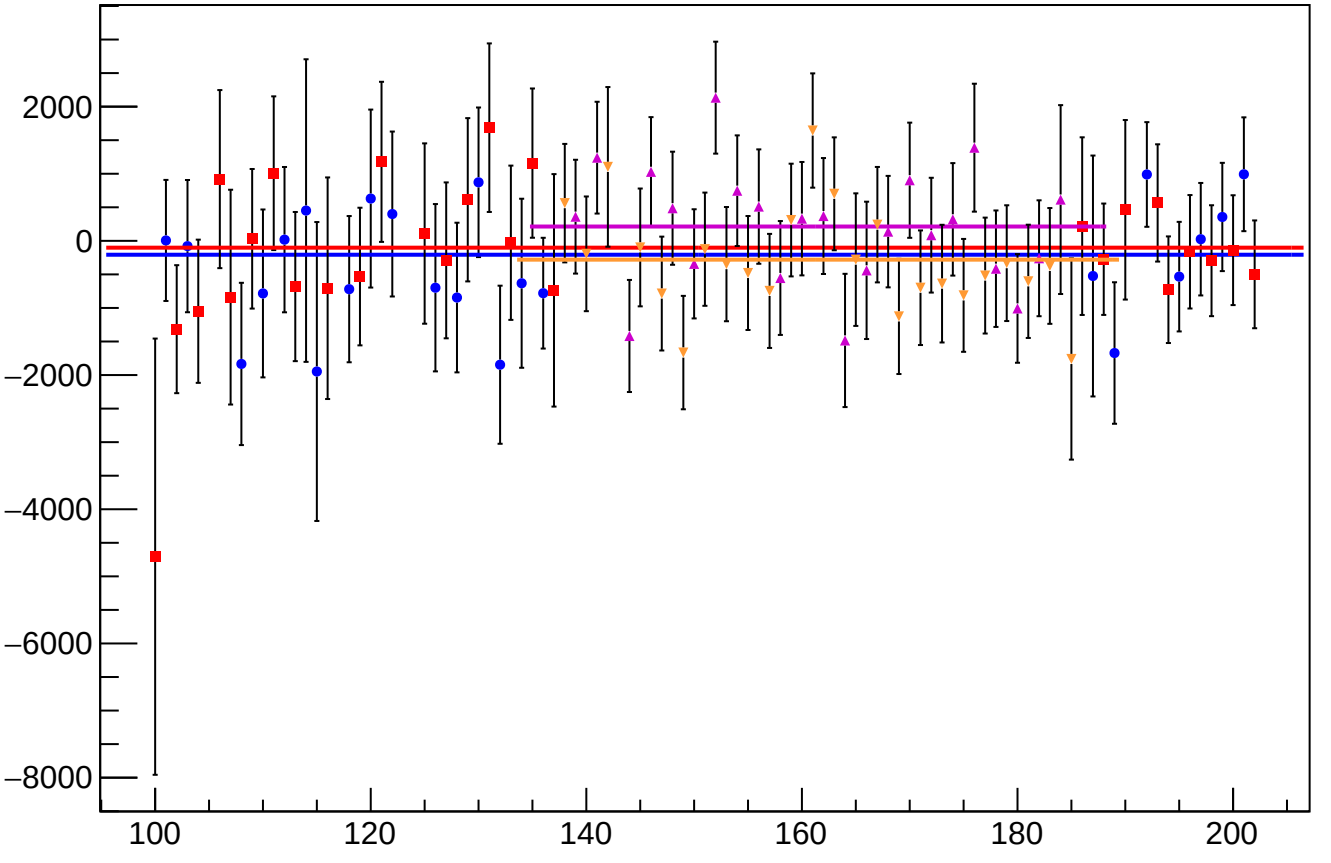
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 552.691+/-0.075 χ^2/NDF: 6641664.7/46

All: 556.397+/-0.053 χ^2/NDF: 14887581.0/95

- sign 560.125+/-0.075 χ^2/NDF: 8241022.9/48

eigen_cor_asym_us_dd_mean vs Slug



Right In: -206.963+/-219.896 χ^2/NDF: 14.7/22

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: -101.777+/-206.583 χ^2/NDF: 13.5/26

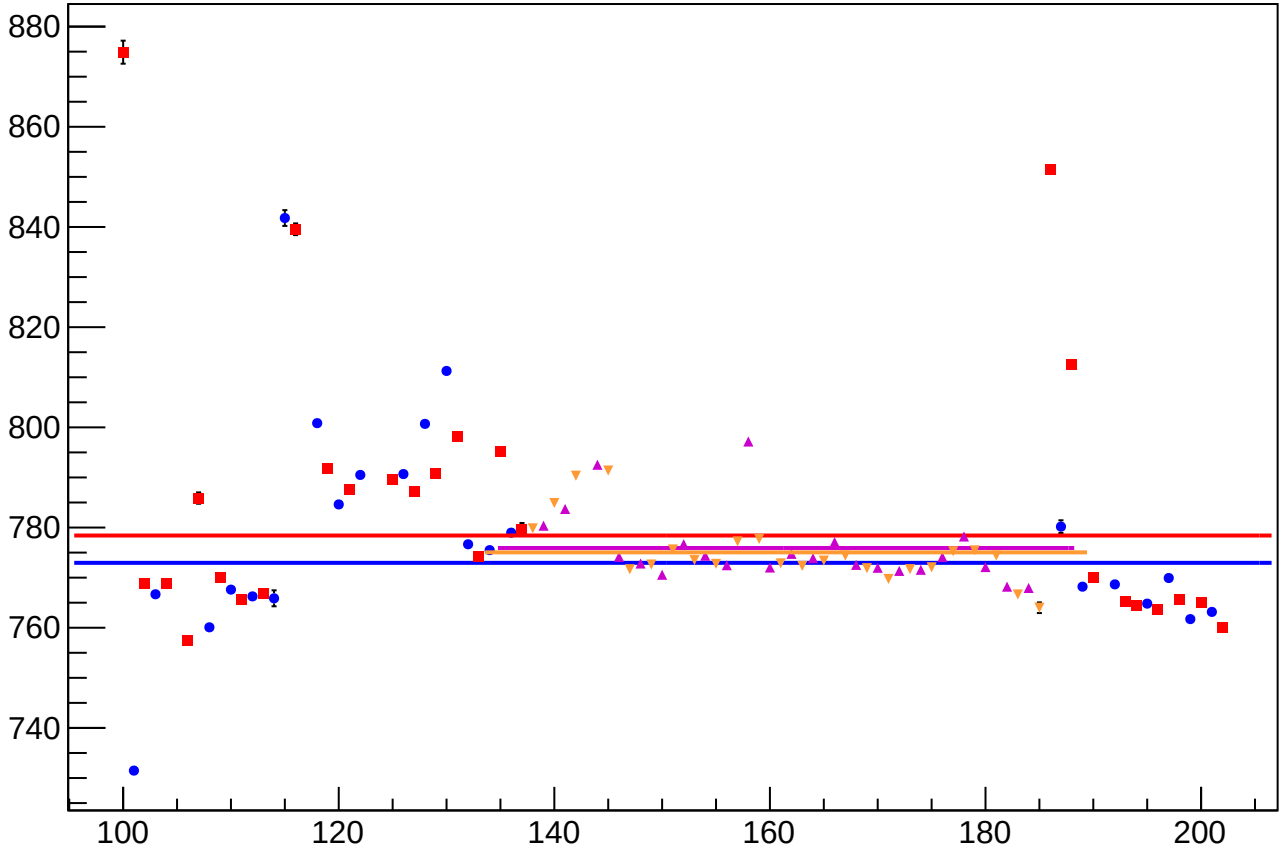
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -250.938+/-139.231 χ^2/NDF: 30.8/46

All: -83.681+/-97.365 χ^2/NDF: 70.9/96

- sign 76.395+/-136.209 χ^2/NDF: 37.2/49

eigen_cor_asym_us_dd_rms vs Slug



Right In: 772.957+/-0.155 χ^2/NDF: 13601.9/22

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

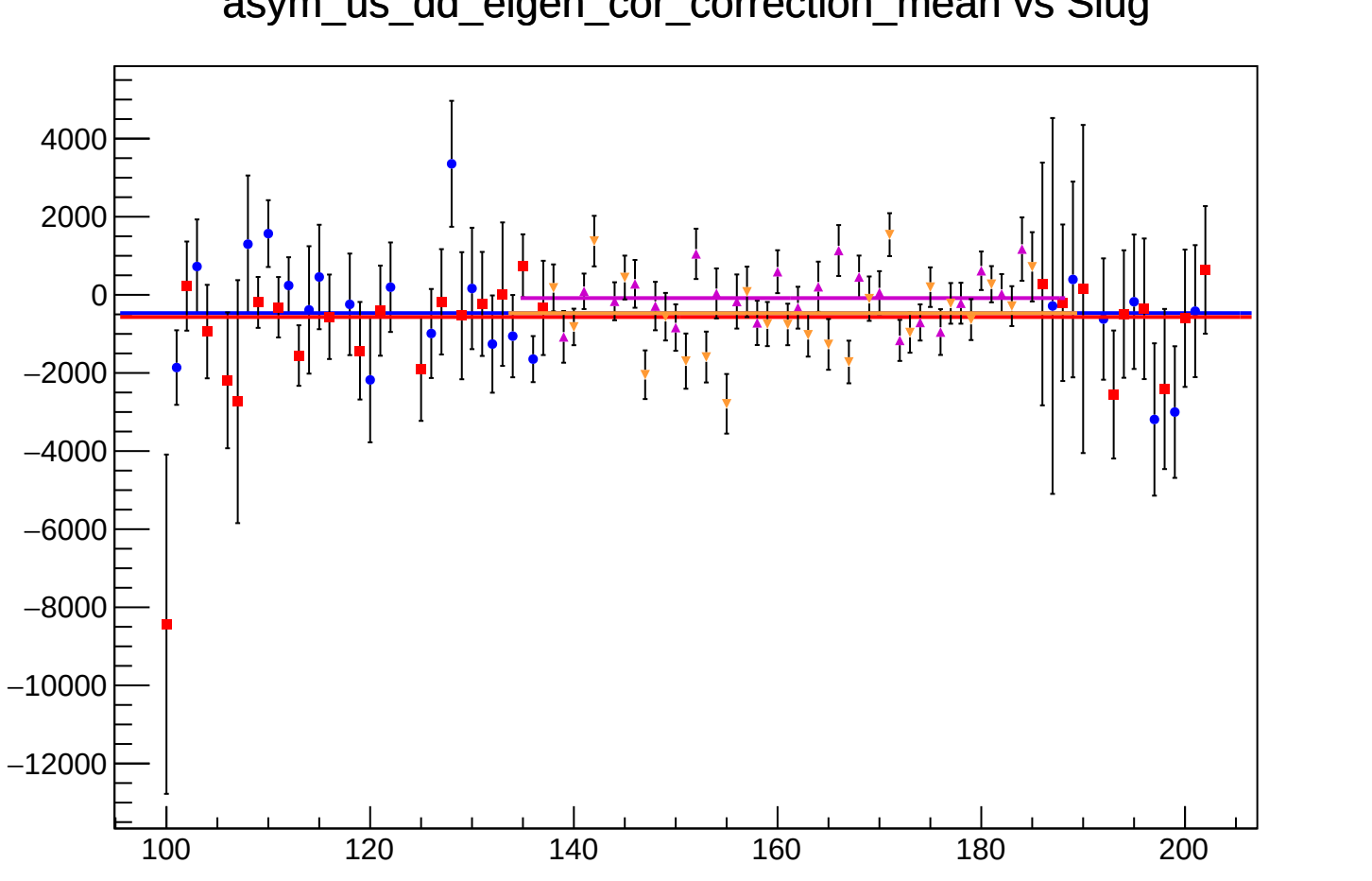
Right Out: 778.409+/-0.146 χ^2/NDF: 21228.5/26

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 774.211+/-0.098 χ^2/NDF: 15661.7/46

All: 775.638+/-0.069 χ^2/NDF: 40438.2/96

- sign 777.003+/-0.096 χ^2/NDF: 24365.4/49



Right In: -467.362+/-250.165 χ^2/NDF: 27.8/22

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

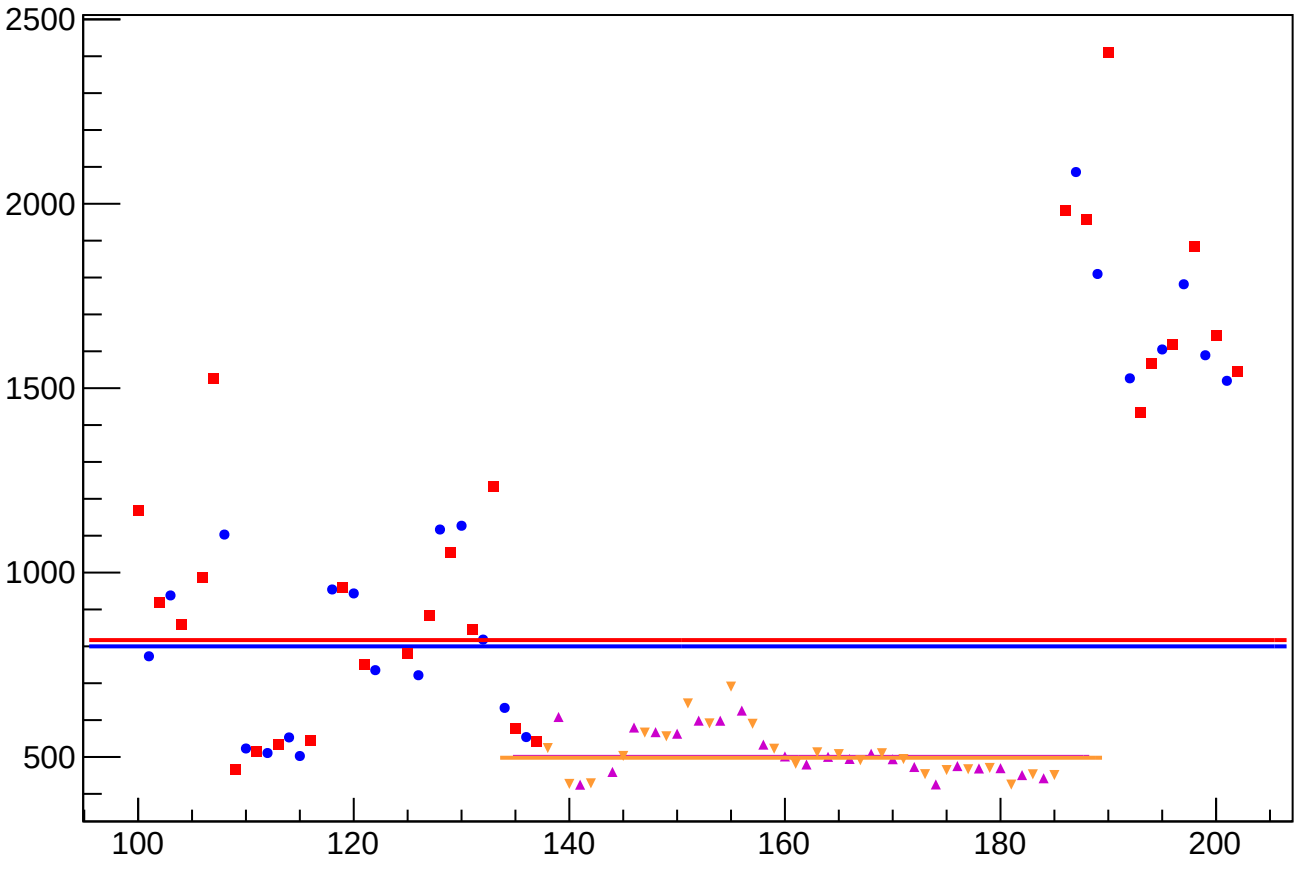
Right Out: -568.038+/-243.471 χ^2/NDF: 14.7/26

Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -467.189+/-105.768 χ^2/NDF: 92.3/46

All: -321.549+/-74.887 χ^2/NDF: 142.0/96

- sign -175.142+/-106.046 χ^2/NDF: 46.0/49



Right In: 799.927+/-0.177 χ^2/NDF: 4037771.9/22

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 816.954+/-0.172 χ^2/NDF: 5592565.8/26

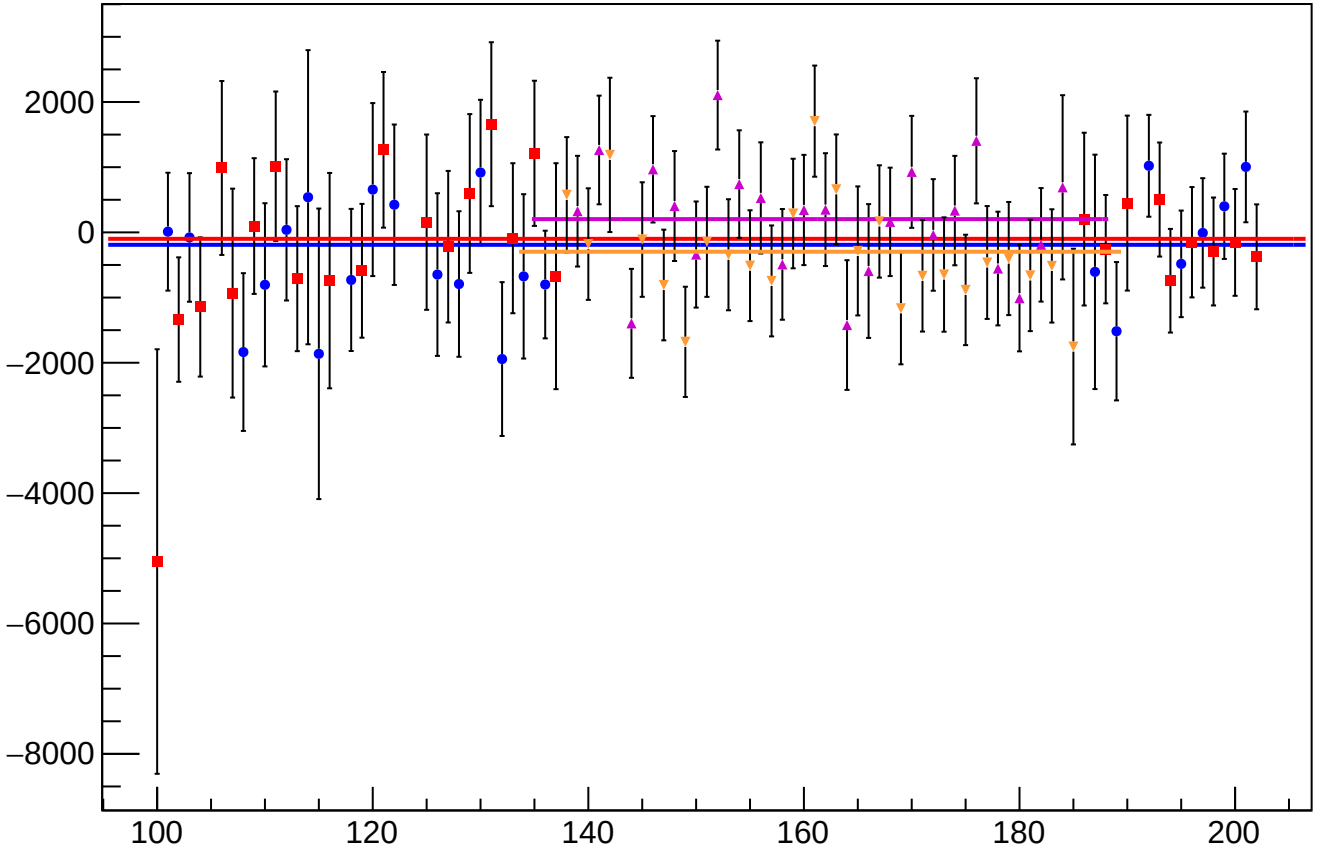
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 551.942+/-0.075 χ^2/NDF: 6957812.2/46

All: 556.149+/-0.053 χ^2/NDF: 15775214.3/96

- sign 560.378+/-0.075 χ^2/NDF: 8811057.2/49

dit_asym_us_dd_mean vs Slug



Right In: -190.511+/-220.207 χ^2/NDF: 14.8/22

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

Right Out: -99.044+/-206.835 χ^2/NDF: 14.2/26

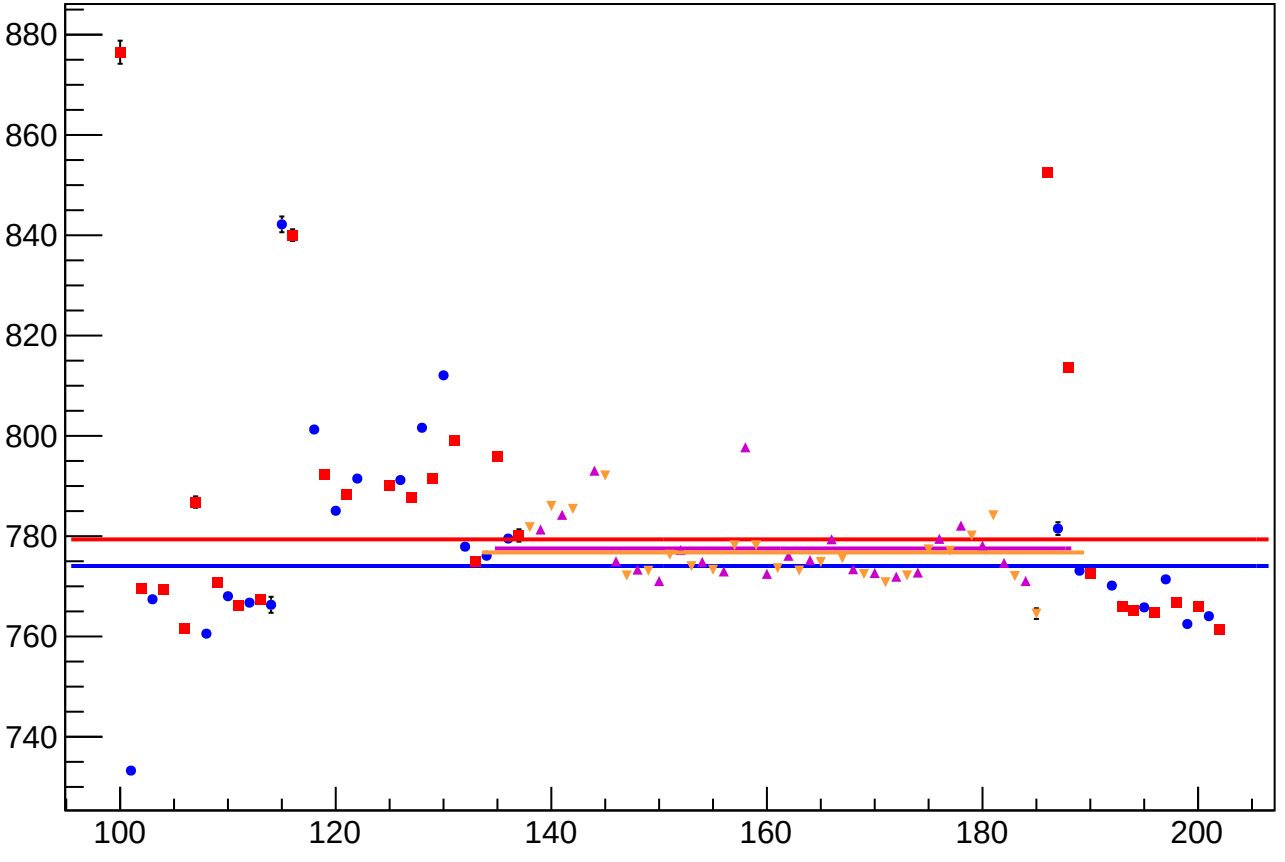
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -254.130+/-139.495 χ^2/NDF: 31.6/46

All: -87.586+/-97.541 χ^2/NDF: 72.0/96

- sign 71.752+/-136.443 χ^2/NDF: 37.6/49

dit_asym_us_dd_rms vs Slug



Right In: 774.053+/-0.156 χ^2/NDF: 13255.6/22

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

Right Out: 779.361+/-0.146 χ^2/NDF: 20969.1/26

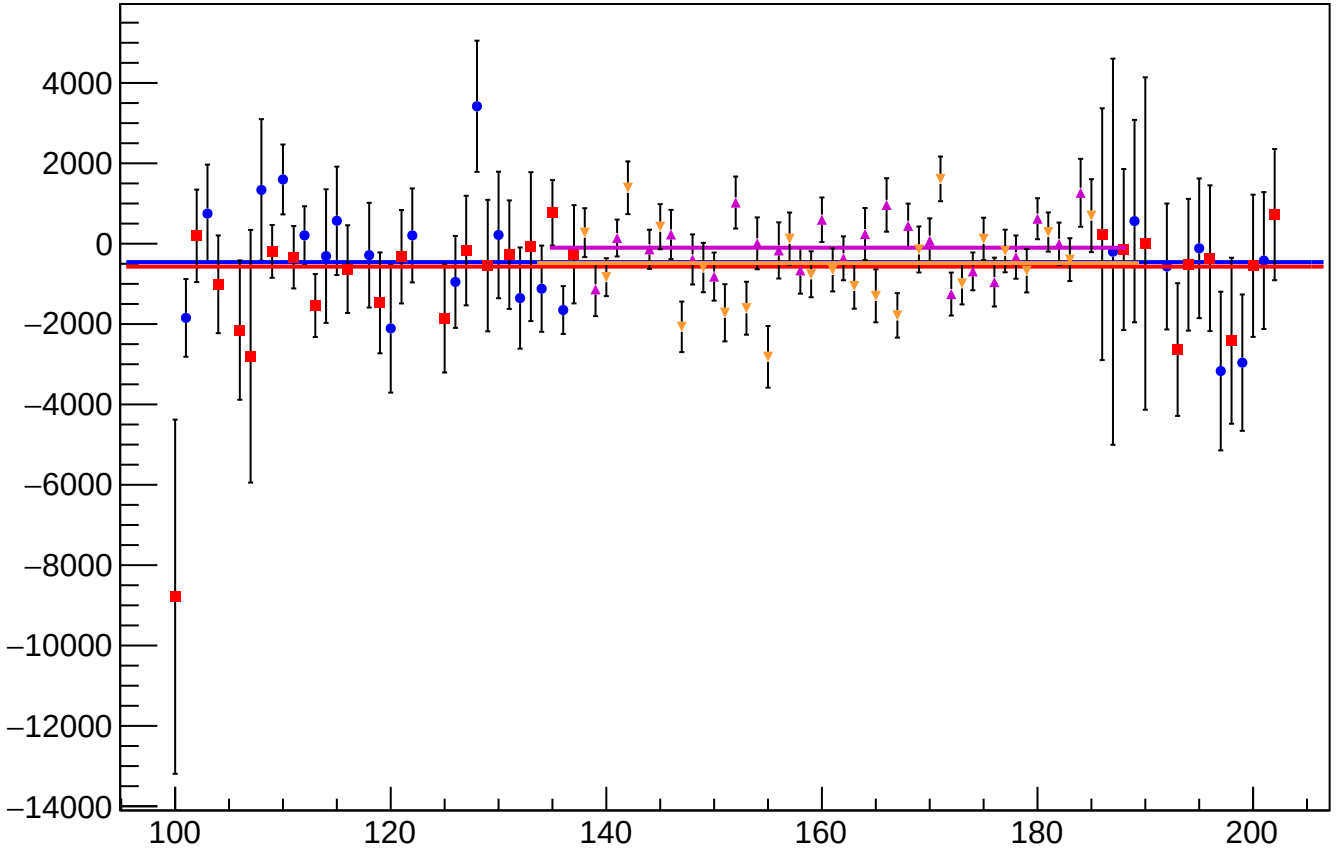
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 775.668+/-0.099 χ^2/NDF: 15261.6/46

All: 777.033+/-0.069 χ^2/NDF: 39442.5/96

- sign 778.338+/-0.096 χ^2/NDF: 23806.5/49

asym_us_dd_dit_correction_mean vs Slug



Right In: -458.956+/-252.576 χ^2/NDF: 27.7/22

Left Out: -482.886+/-118.805 χ^2/NDF:65.1/23

Right Out: -570.654+/-245.503 χ^2/NDF: 14.9/26

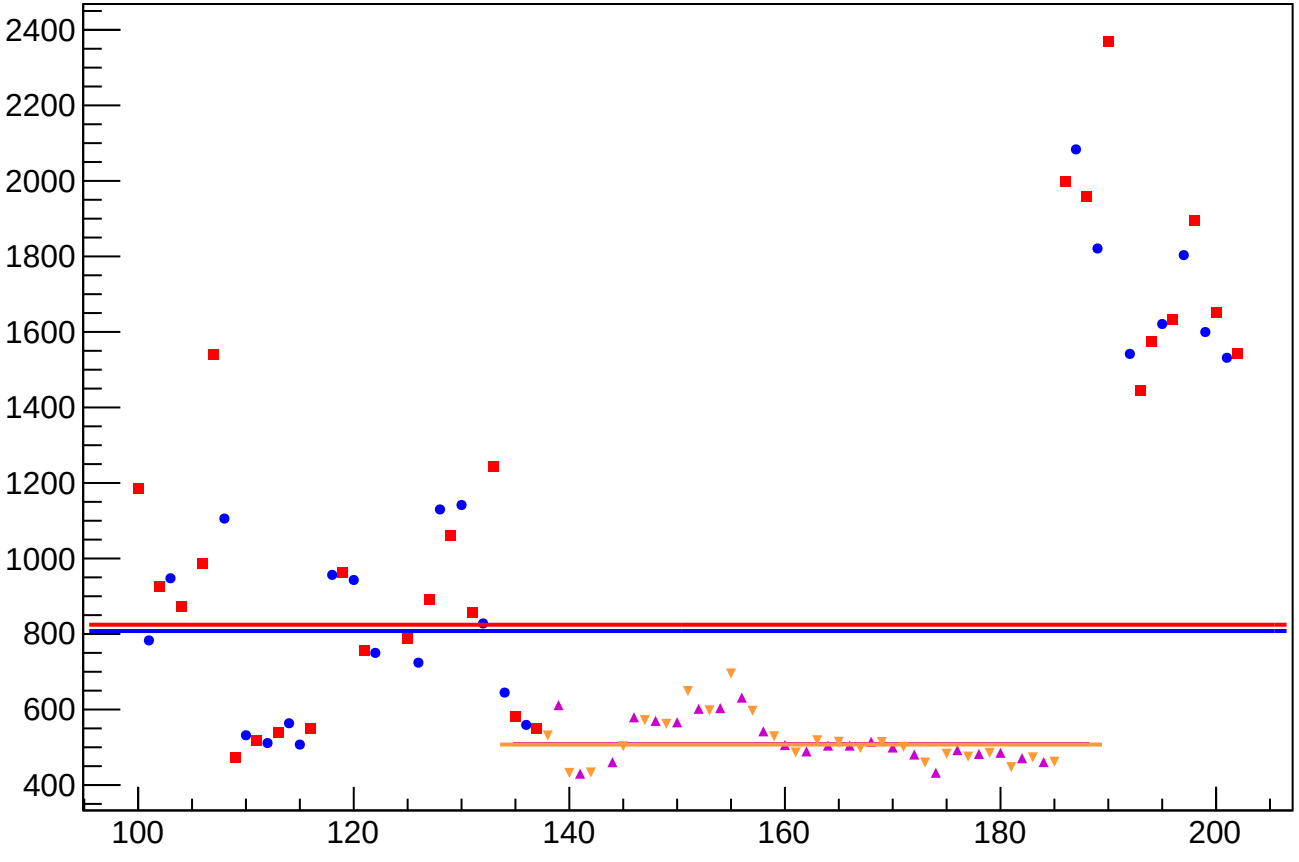
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -478.551+/-107.506 χ^2/NDF: 92.8/46

All: -334.546+/-76.043 χ^2/NDF: 141.7/96

- sign -190.356+/-107.576 χ^2/NDF: 45.3/49

asym_us_dd_dit_correction_rms vs Slug



Right In: 807.899+/-0.179 χ^2/NDF: 4030941.0/22

Left Out: 507.319+/-0.084 χ^2/NDF:473982.3/23

Right Out: 824.583+/-0.174 χ^2/NDF: 5553359.6/26

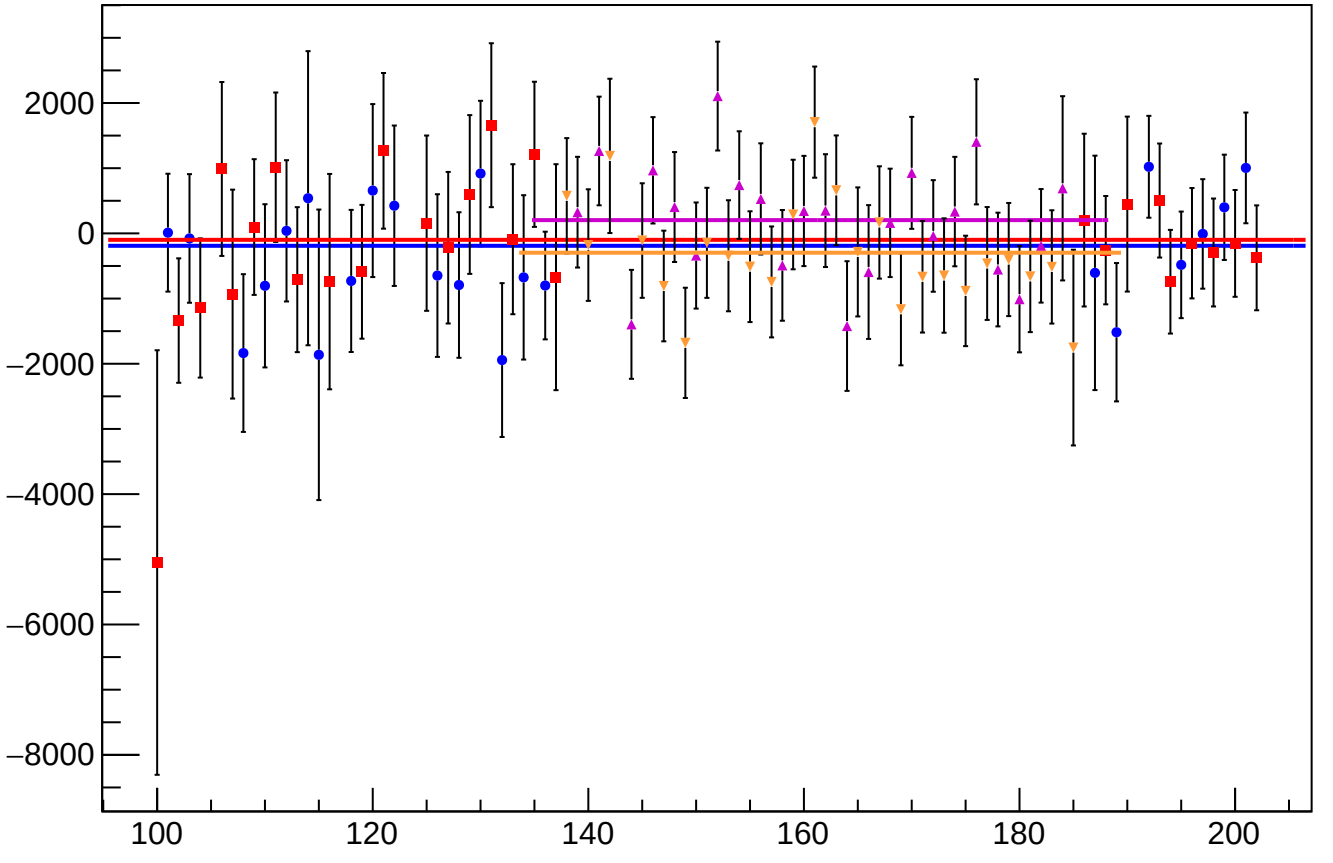
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

+ sign 561.775+/-0.076 χ^2/NDF: 6824240.8/46

All: 565.536+/-0.054 χ^2/NDF: 15491323.0/96

- sign 569.302+/-0.076 χ^2/NDF: 8662183.4/49

eigen_dit_asym_us_dd_mean vs Slug



Right In: -190.511+/-220.207 χ^2/NDF: 14.8/22

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

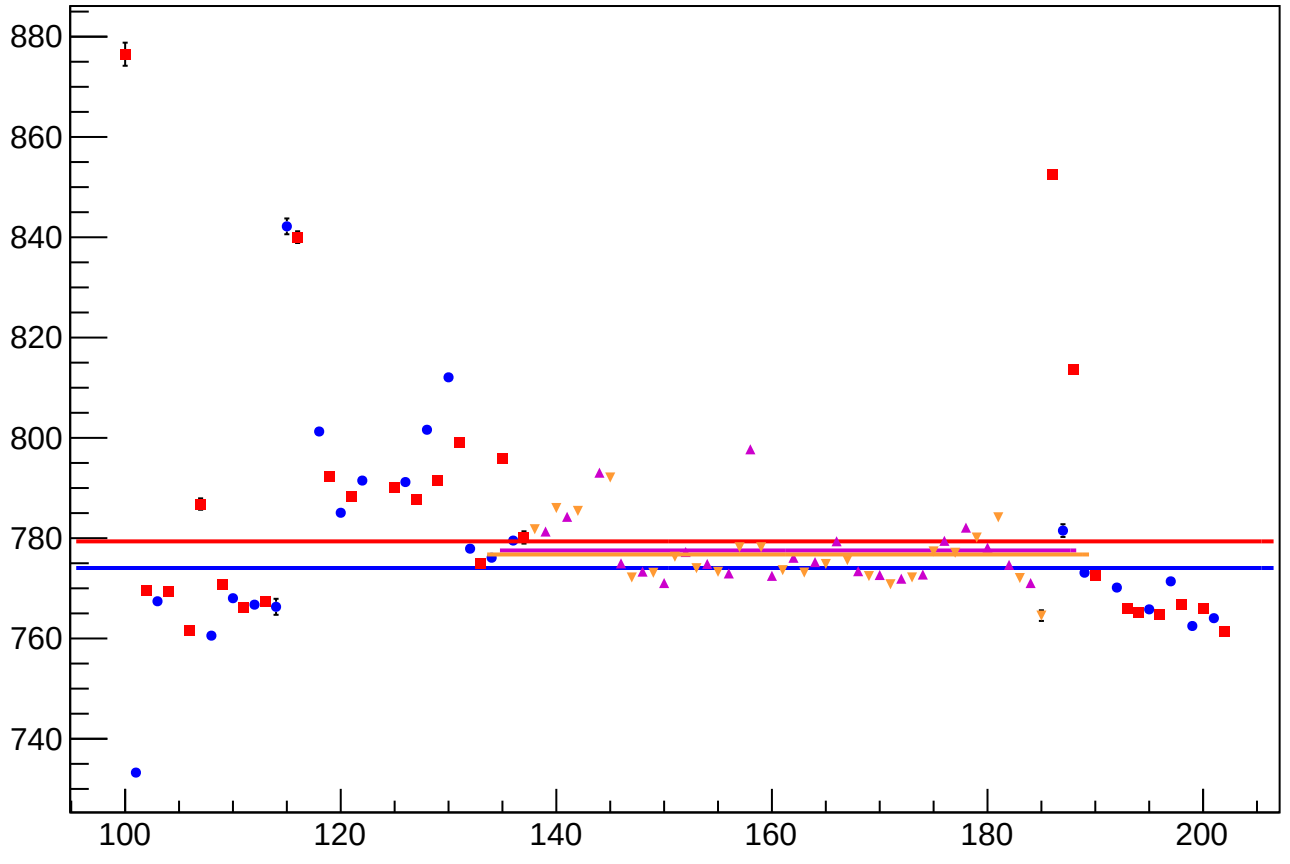
Right Out: -99.044+/-206.835 χ^2/NDF: 14.2/26

Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -254.130+/-139.495 χ^2/NDF: 31.6/46

All: -87.586+/-97.541 χ^2/NDF: 72.0/96

- sign 71.751+/-136.443 χ^2/NDF: 37.6/49



Right In: 774.053+/-0.156 χ^2/NDF: 13255.5/22

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

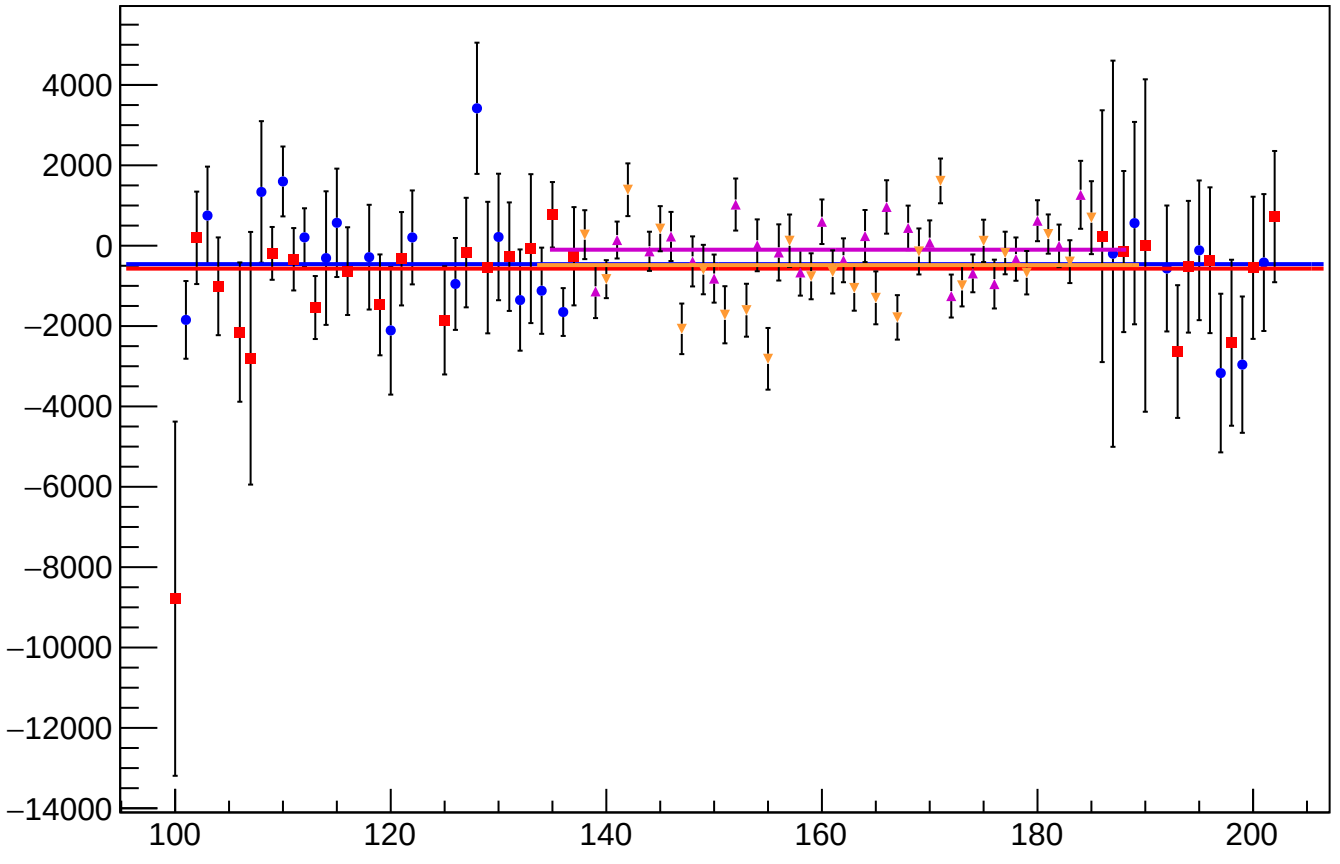
Right Out: 779.361+/-0.146 χ^2/NDF: 20969.0/26

Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 775.668+/-0.099 χ^2/NDF: 15261.6/46

All: 777.033+/-0.069 χ^2/NDF: 39442.5/96

- sign 778.338+/-0.096 χ^2/NDF: 23806.4/49



Right In: -458.951+/-252.575 χ^2/NDF: 27.7/22

Left Out: -482.886+/-118.806 χ^2/NDF:65.1/23

Right Out: -570.653+/-245.502 χ^2/NDF: 14.9/26

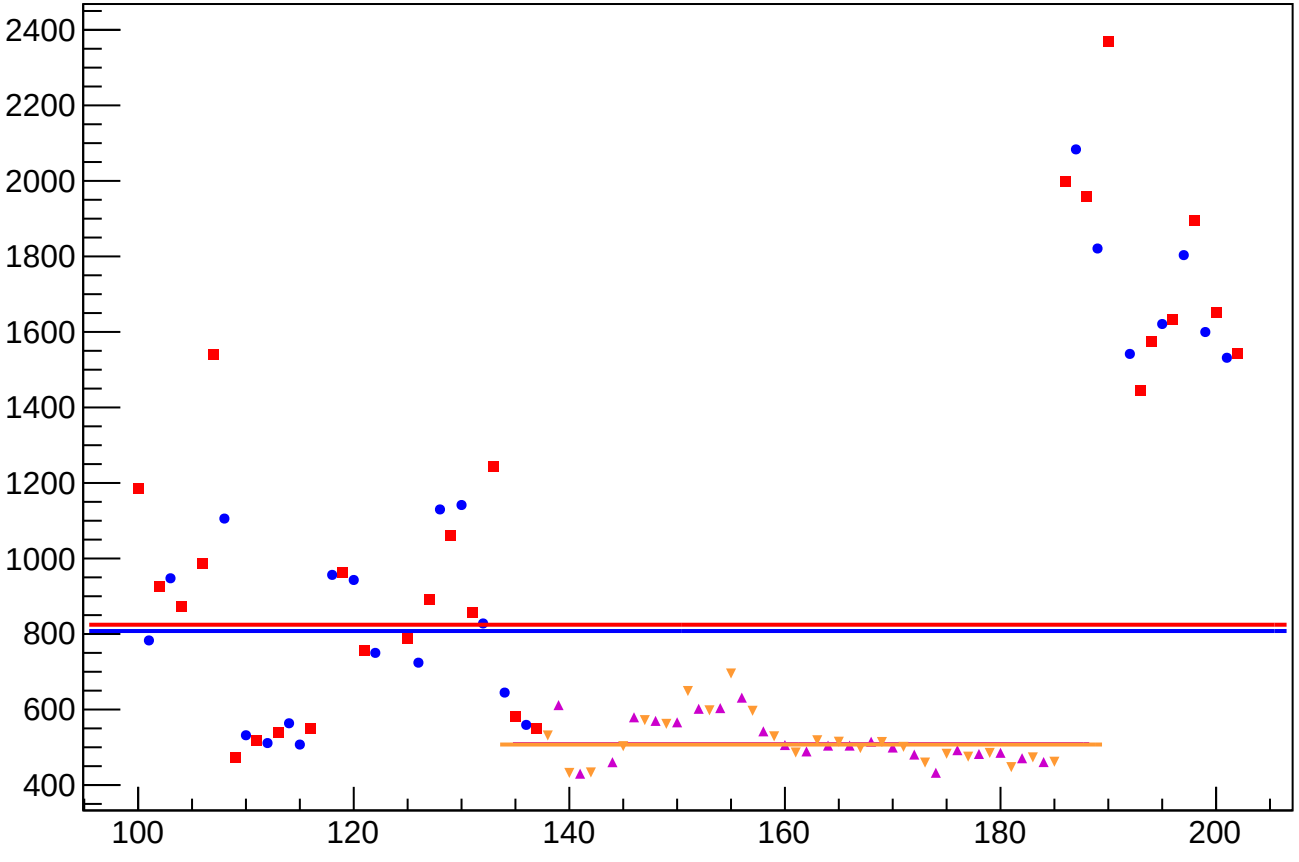
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -478.550+/-107.506 χ^2/NDF: 92.8/46

All: -334.546+/-76.043 χ^2/NDF: 141.7/96

- sign -190.356+/-107.575 χ^2/NDF: 45.3/49

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 807.895+/-0.179 χ^2/NDF: 4030979.8/22

Left Out: 507.319+/-0.084 χ^2/NDF:473992.3/23

Right Out: 824.579+/-0.174 χ^2/NDF: 5553410.1/26

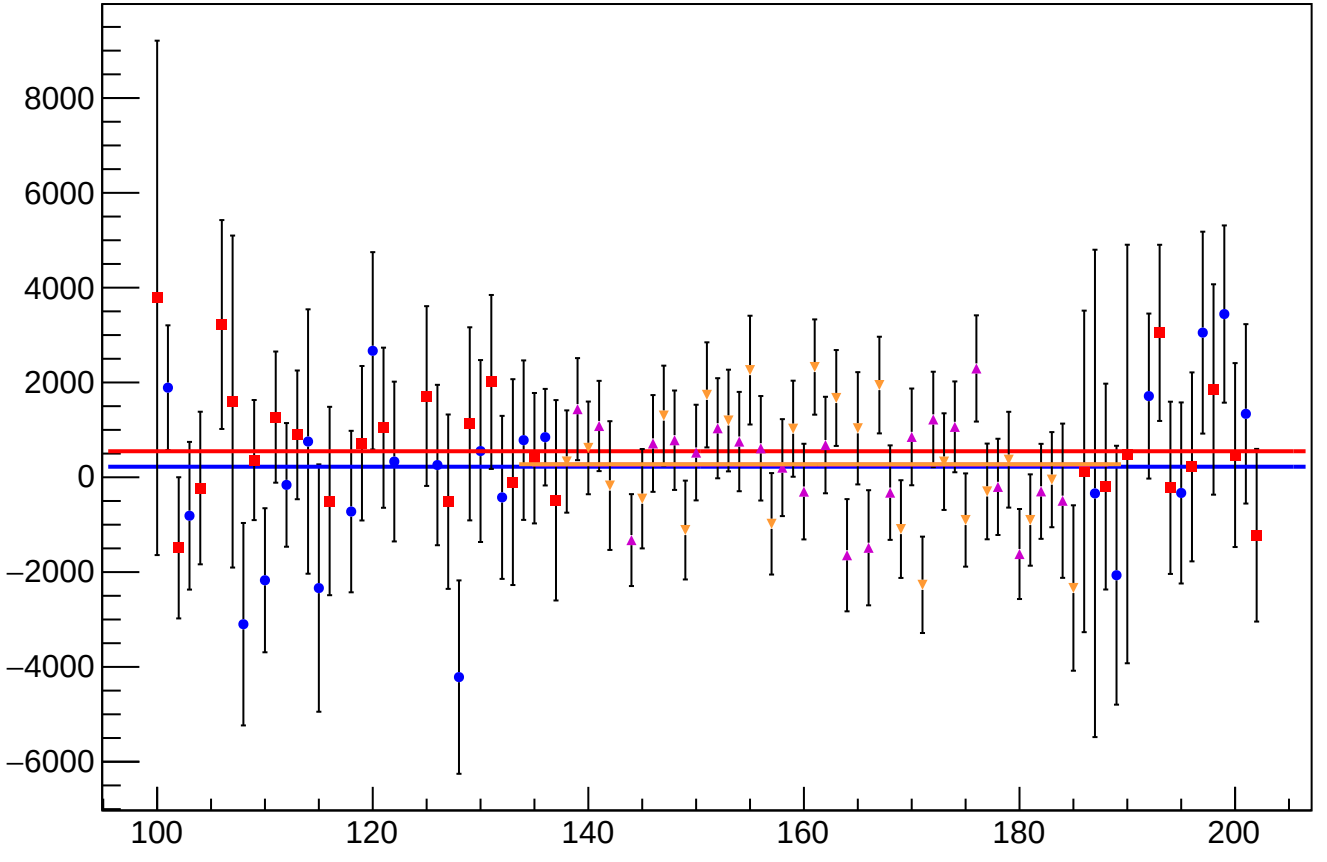
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 561.774+/-0.076 χ^2/NDF: 6824239.8/46

All: 565.535+/-0.054 χ^2/NDF: 15491338.7/96

- sign 569.301+/-0.076 χ^2/NDF: 8662200.4/49

asym_us_dd_mean vs Slug



Right In: 222.761+/-364.849 χ^2/NDF: 21.7/22

Left Out: 275.181+/-216.290 χ^2/NDF:33.6/23

Right Out: 549.289+/-356.489 χ^2/NDF: 10.0/26

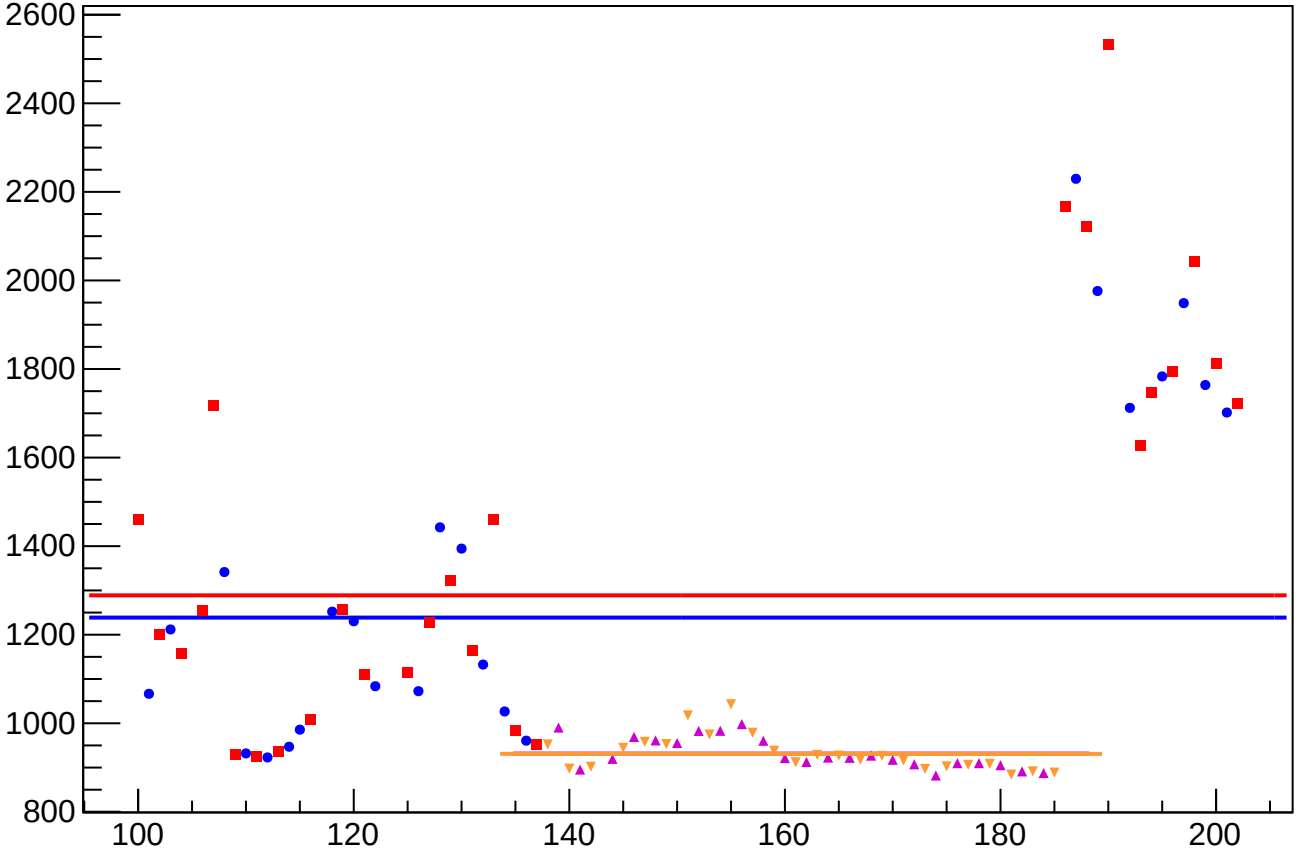
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 261.550+/-186.054 χ^2/NDF: 55.4/46

All: 302.691+/-131.465 χ^2/NDF: 87.3/96

- sign 343.713+/-185.786 χ^2/NDF: 31.8/49

asym_us_dd_rms vs Slug



Right In: 1238.655+/-0.258 χ^2/NDF: 1567662.7/22

Left Out: 930.922+/-0.153 χ^2/NDF:61953.0/23

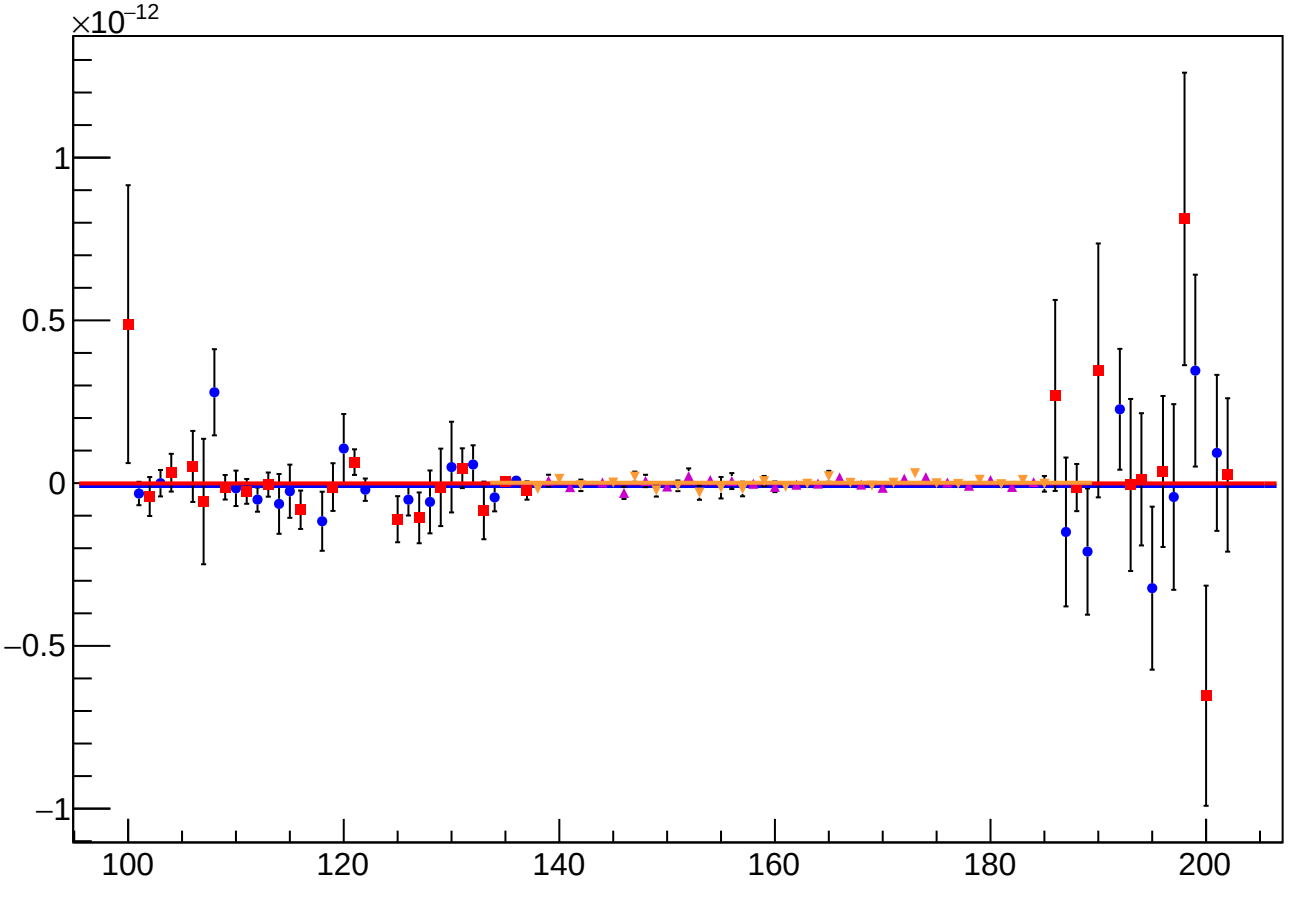
Right Out: 1288.921+/-0.252 χ^2/NDF: 2140570.0/26

Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1010.947+/-0.132 χ^2/NDF: 2682443.4/46

All: 1019.797+/-0.093 χ^2/NDF: 6344882.9/96

- sign 1028.622+/-0.131 χ^2/NDF: 3653401.9/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/23

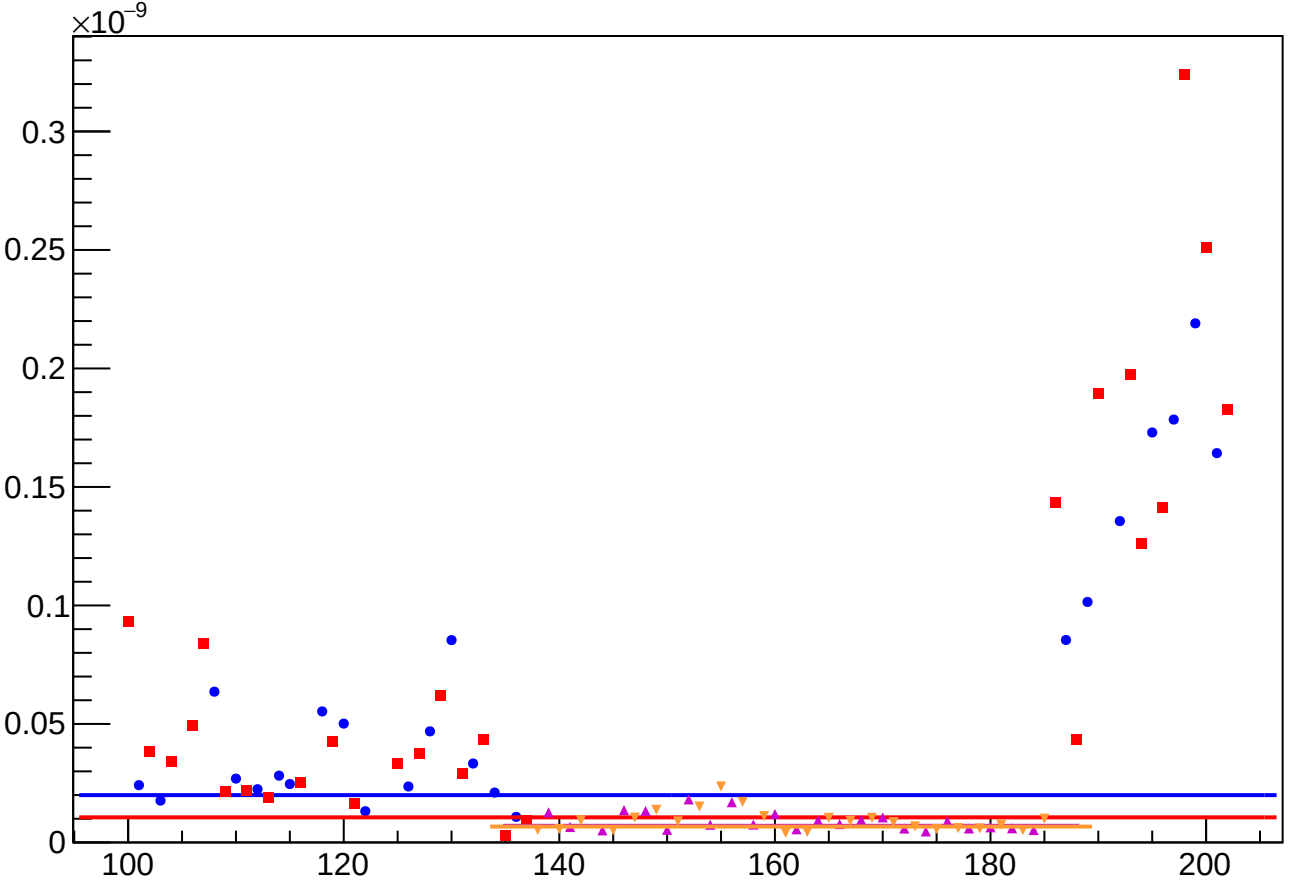
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/26

Left In: 0.000+/-0.000 χ^2/NDF:22.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.7/46

All: 0.000+/-0.000 χ^2/NDF: 91.9/96

- sign 0.000+/-0.000 χ^2/NDF: 45.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 6590899.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:2928195.0/23

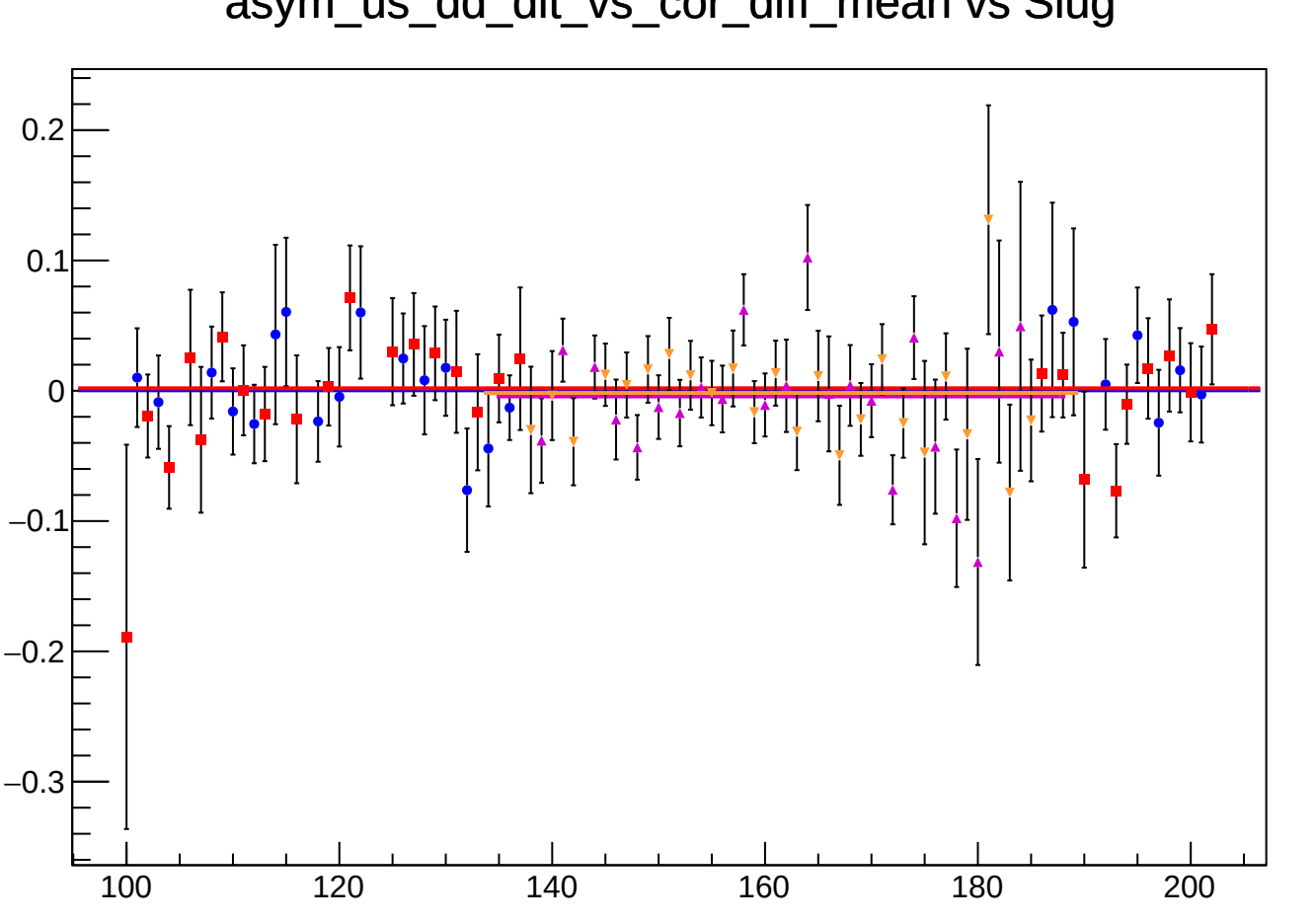
Right Out: 0.000+/-0.000 χ^2/NDF: 11770800.0/26

Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12763232.0/46

All: 0.000+/-0.000 χ^2/NDF: 27419268.7/96

- sign 0.000+/-0.000 χ^2/NDF: 14655820.3/49



Right In: 0.000+/-0.008 χ^2/NDF: 12.5/22

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.002+/-0.008 χ^2/NDF: 21.4/26

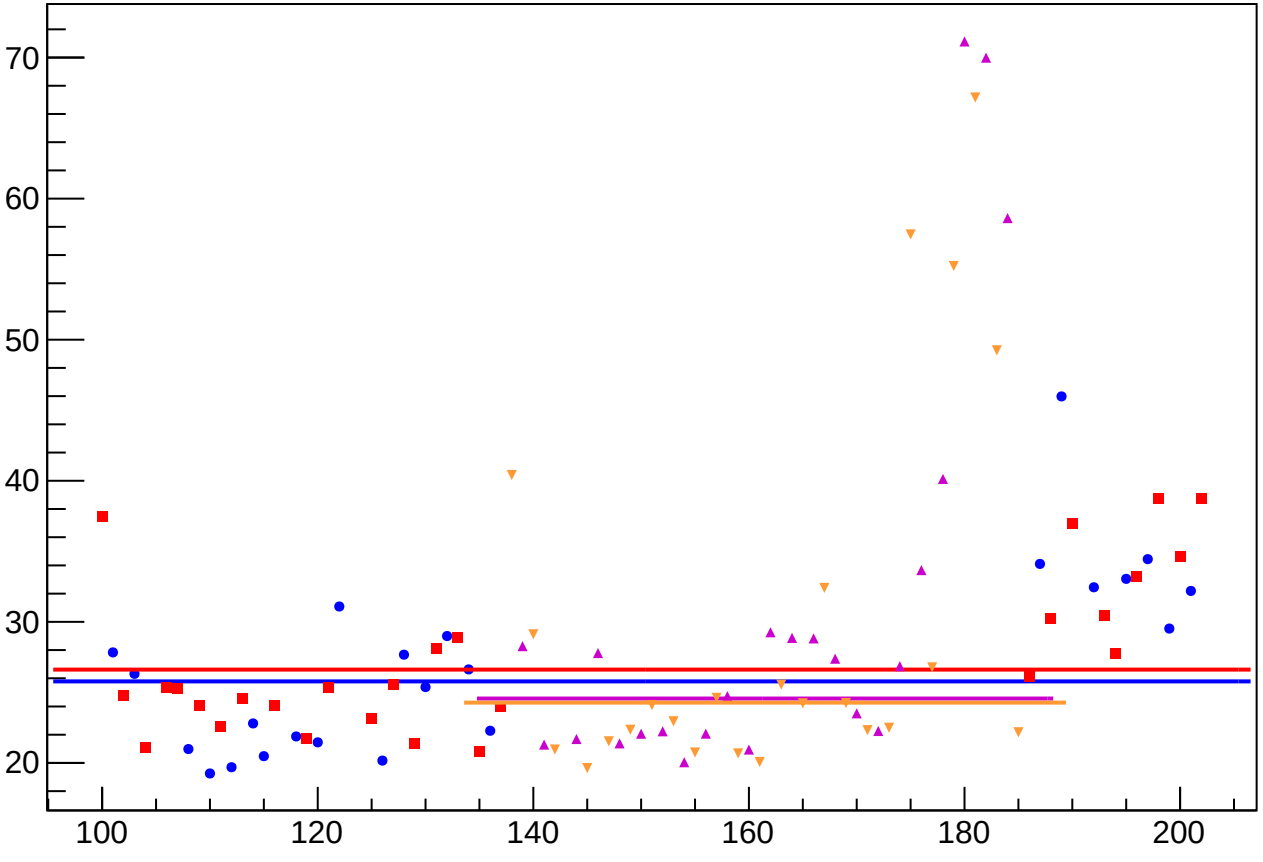
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/46

All: -0.001+/-0.003 χ^2/NDF: 85.5/96

- sign -0.002+/-0.005 χ^2/NDF: 58.4/49

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.780+/-0.006 χ^2/NDF: 919717.0/22

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

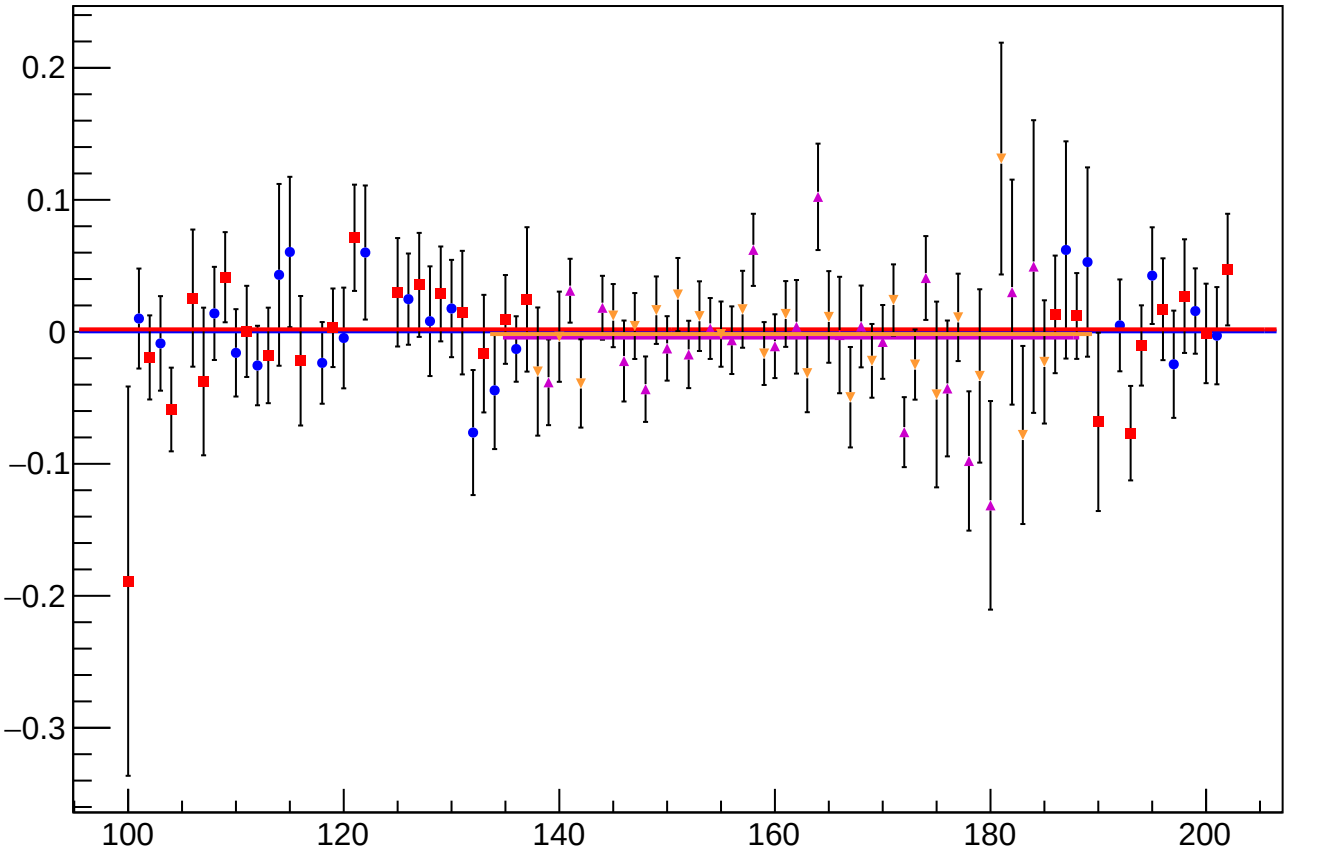
Right Out: 26.615+/-0.005 χ^2/NDF: 888321.2/26

Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.861+/-0.004 χ^2/NDF: 3274303.5/46

All: 25.145+/-0.002 χ^2/NDF: 6394430.2/96

- sign 25.420+/-0.003 χ^2/NDF: 3107185.2/49



Right In: 0.000+/-0.008 χ^2/NDF: 12.5/22

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.002+/-0.008 χ^2/NDF: 21.4/26

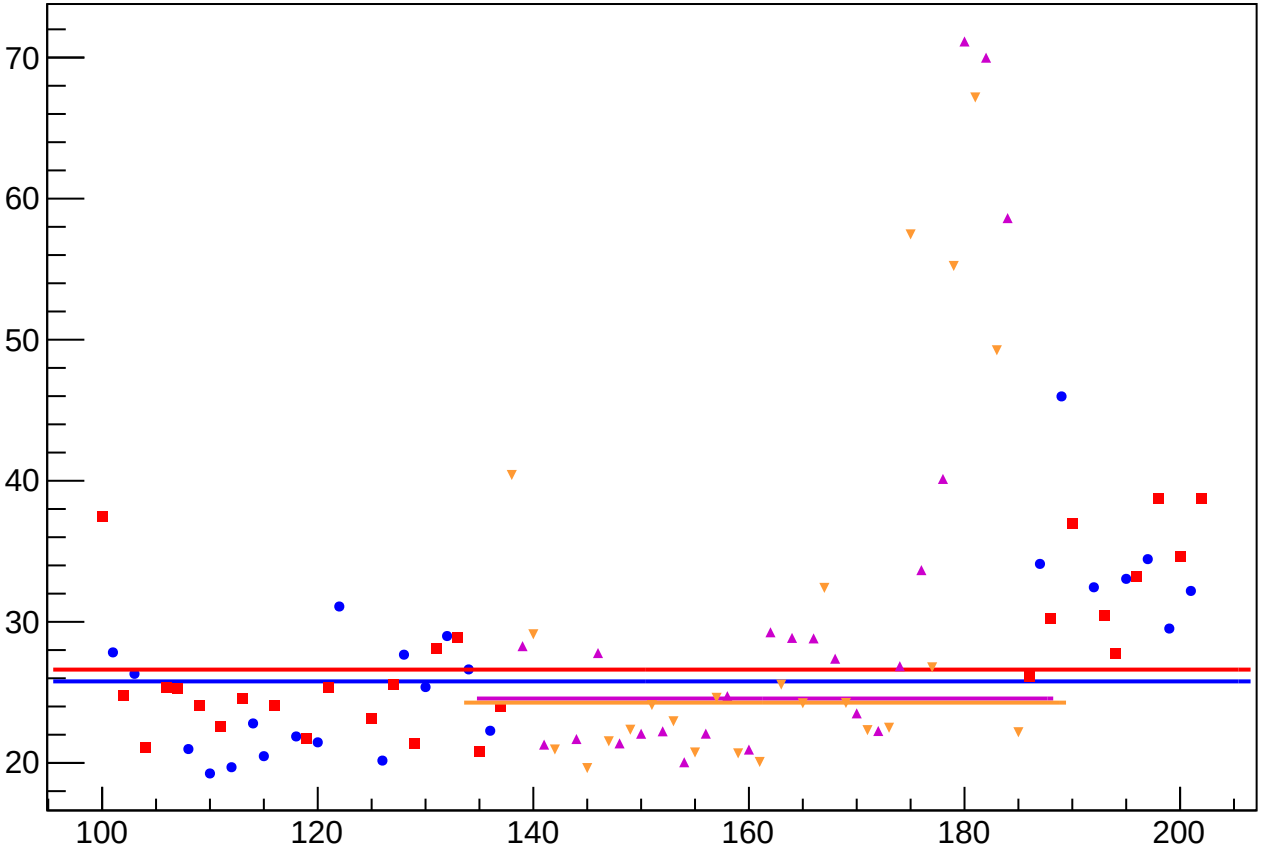
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/46

All: -0.001+/-0.003 χ^2/NDF: 85.5/96

- sign -0.002+/-0.005 χ^2/NDF: 58.4/49

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.780+/-0.006 χ^2/NDF: 919717.0/22

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

Right Out: 26.615+/-0.005 χ^2/NDF: 888321.2/26

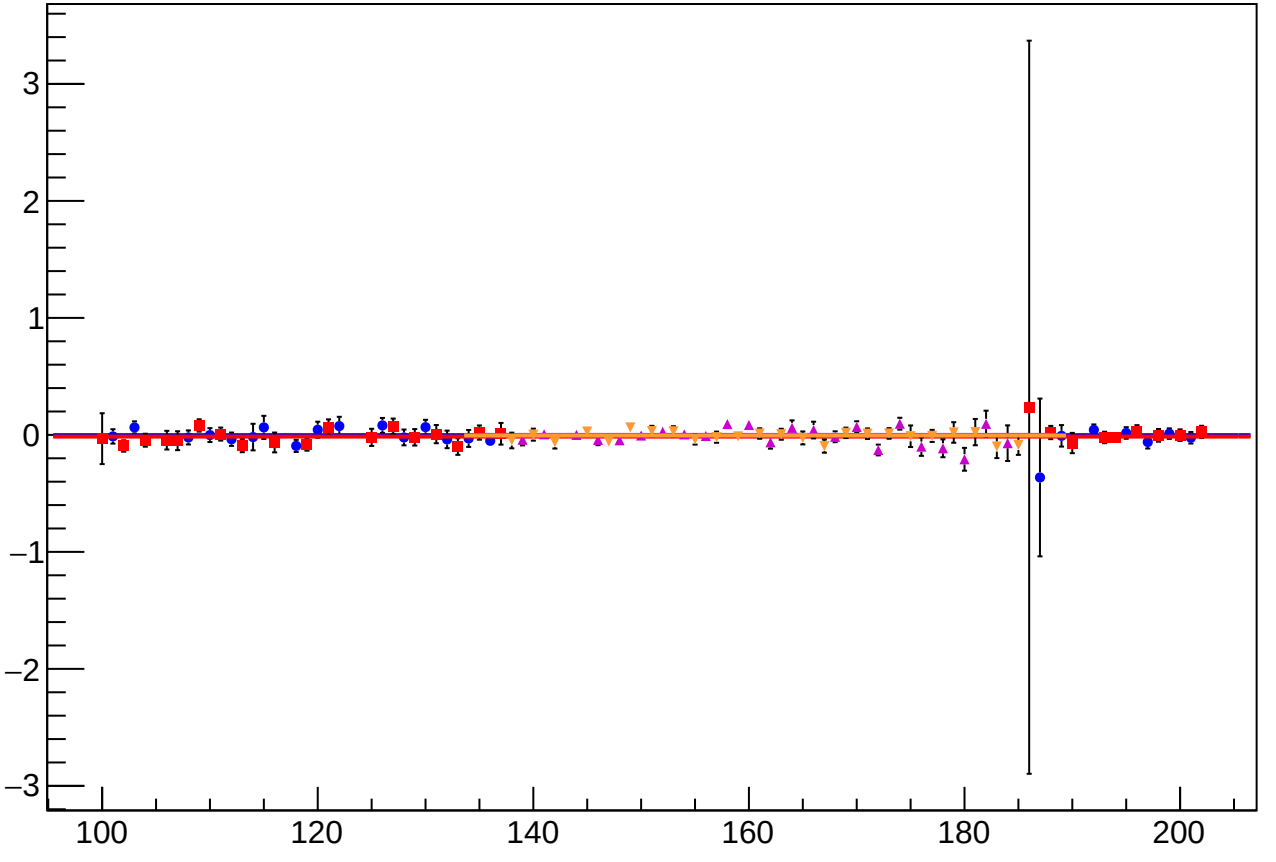
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.861+/-0.004 χ^2/NDF: 3274303.5/46

All: 25.145+/-0.002 χ^2/NDF: 6394430.2/96

- sign 25.420+/-0.003 χ^2/NDF: 3107185.2/49

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.002+/-0.013 χ^2/NDF: 14.4/22

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

Right Out: -0.015+/-0.012 χ^2/NDF: 18.1/26

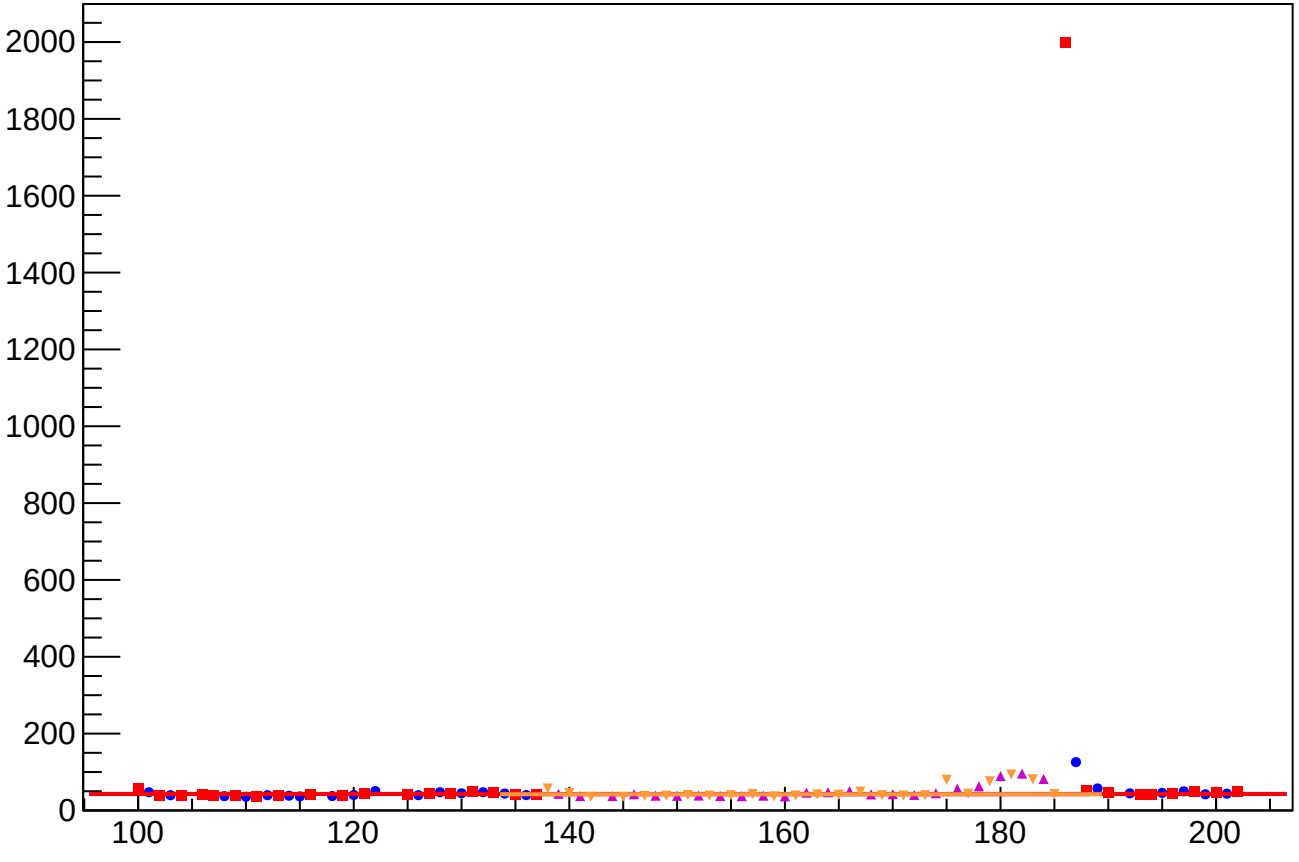
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.004+/-0.008 χ^2/NDF: 28.3/46

All: -0.005+/-0.006 χ^2/NDF: 85.2/96

- sign -0.006+/-0.008 χ^2/NDF: 56.9/49

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.772+/-0.009 χ^2/NDF: 277134.7/22

Left Out: 42.088+/-0.007 χ^2/NDF:1716047.0/23

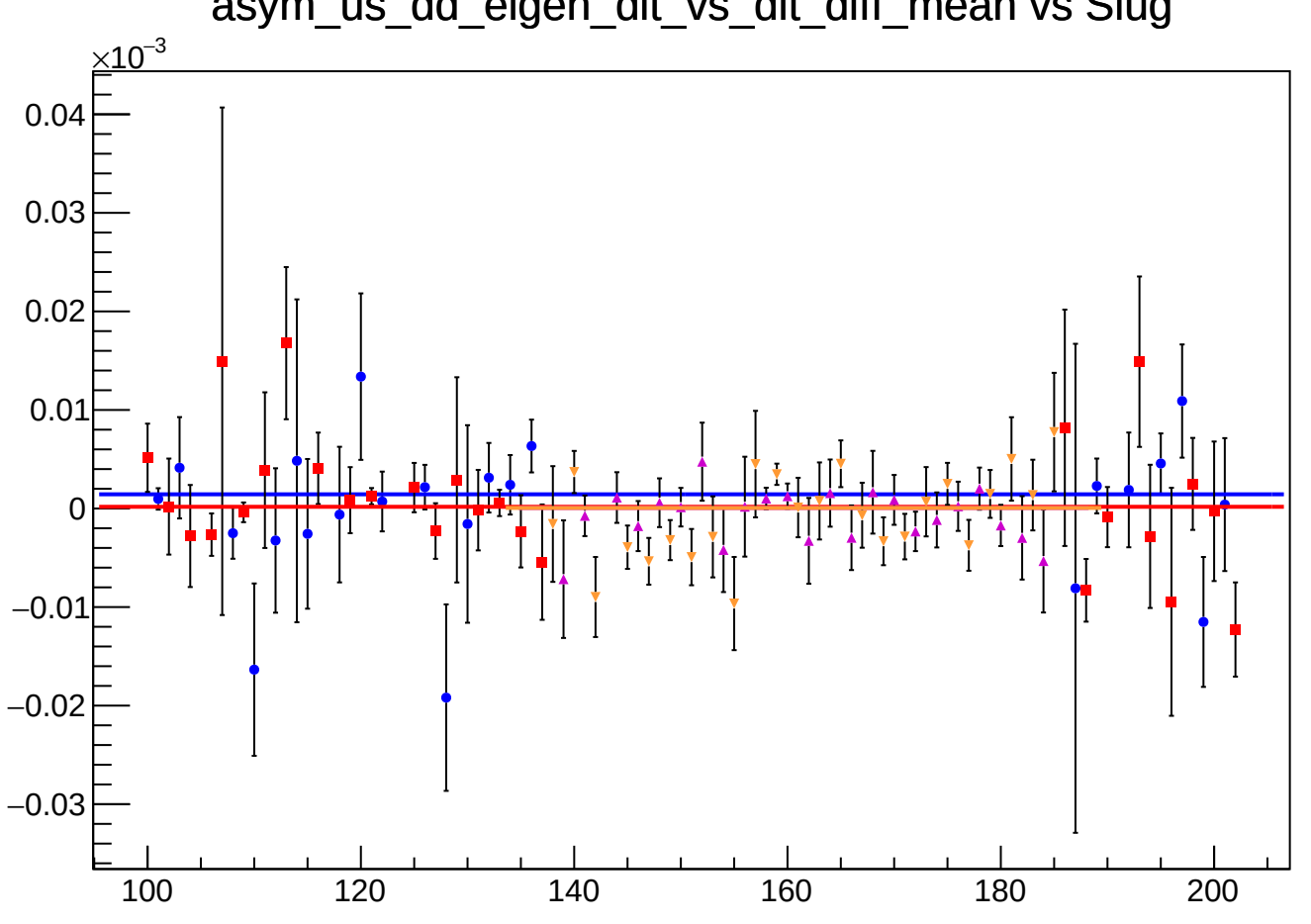
Right Out: 43.005+/-0.008 χ^2/NDF: 1027223.1/26

Left In: 42.078+/-0.007 χ^2/NDF:1543505.8/22

+ sign 42.364+/-0.006 χ^2/NDF: 1996671.0/46

All: 42.423+/-0.004 χ^2/NDF: 4574483.4/96

- sign 42.479+/-0.006 χ^2/NDF: 2577602.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/23

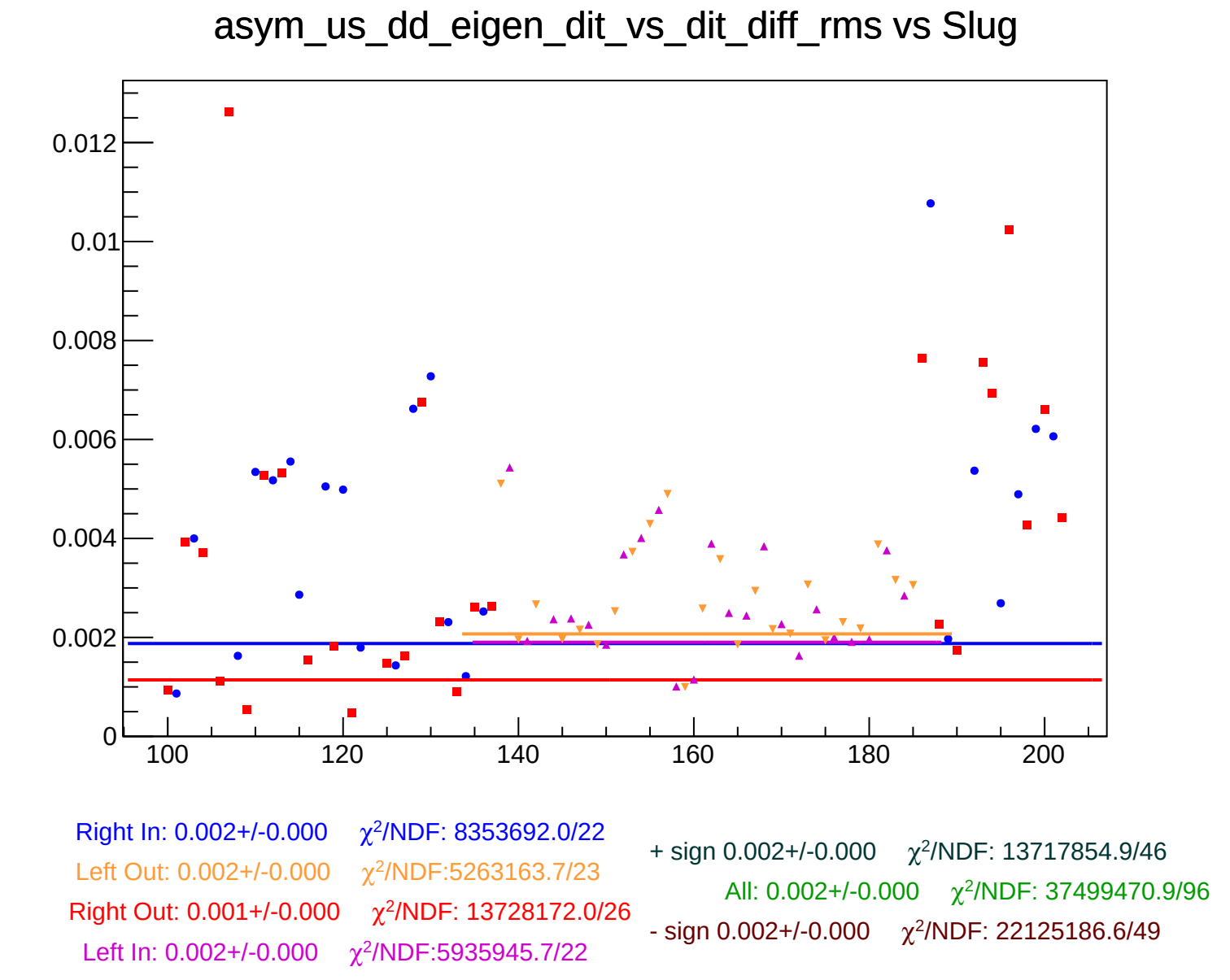
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/26

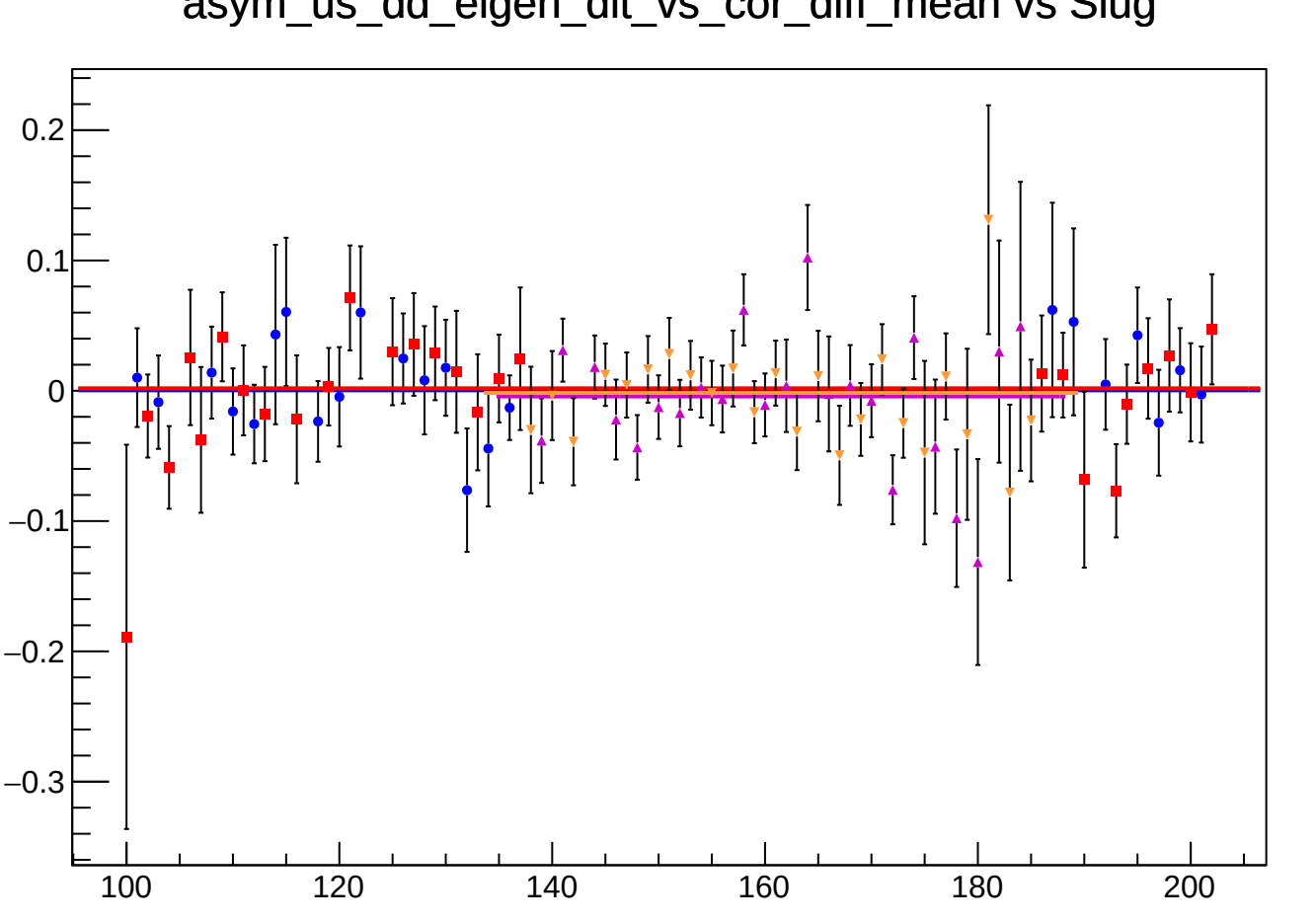
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.5/46

All: 0.000+/-0.000 χ^2/NDF: 128.1/96

- sign 0.000+/-0.000 χ^2/NDF: 46.9/49


asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 8353692.0/22
Left Out: 0.002+/-0.000 χ²/NDF:5263163.7/23
Right Out: 0.001+/-0.000 χ²/NDF: 13728172.0/26
Left In: 0.002+/-0.000 χ²/NDF:5935945.7/22
+ sign 0.002+/-0.000 χ²/NDF: 13717854.9/46
All: 0.002+/-0.000 χ²/NDF: 37499470.9/96
- sign 0.002+/-0.000 χ²/NDF: 22125186.6/49



Right In: 0.000+/-0.008 χ^2/NDF: 12.5/22

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.002+/-0.008 χ^2/NDF: 21.4/26

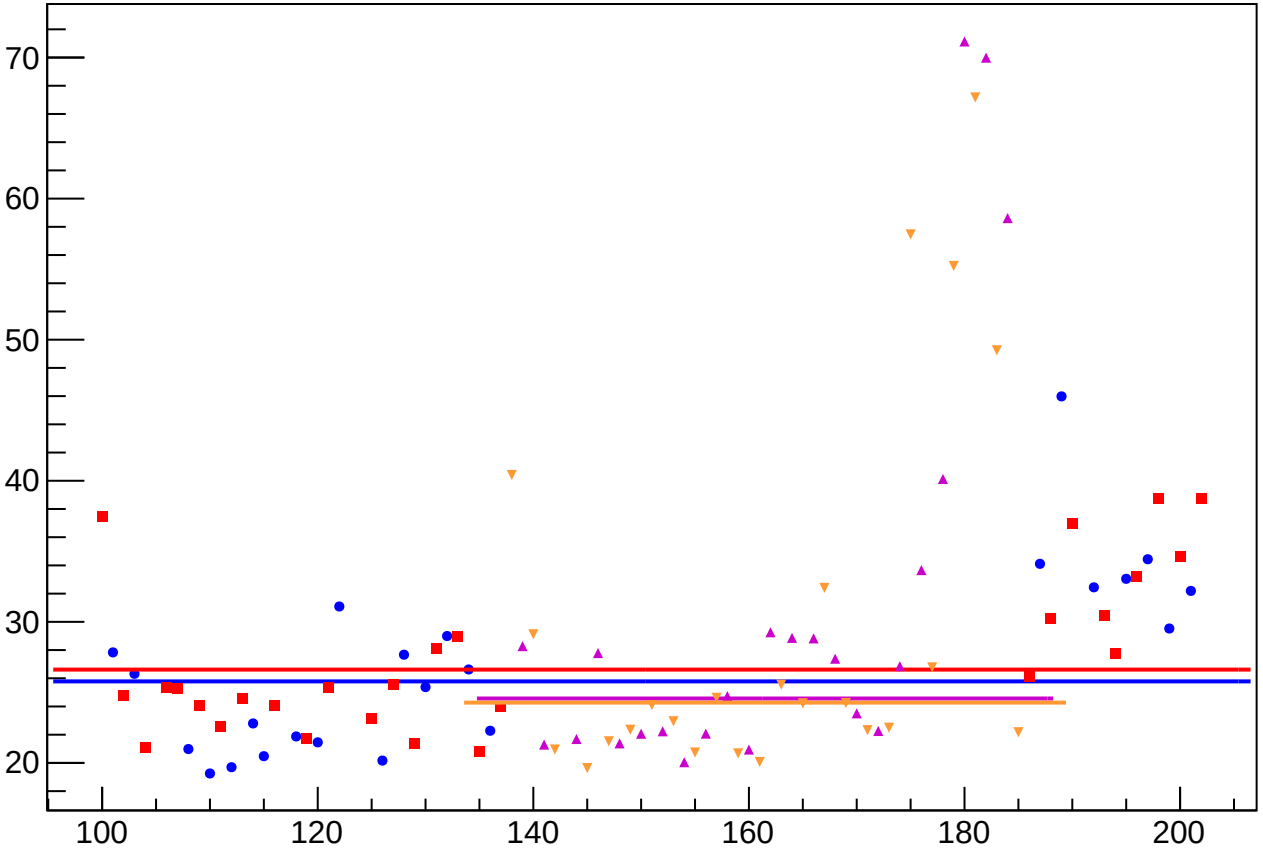
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/46

All: -0.001+/-0.003 χ^2/NDF: 85.5/96

- sign -0.002+/-0.005 χ^2/NDF: 58.4/49

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.779+/-0.006 χ^2/NDF: 919694.7/22

Left Out: 24.275+/-0.004 χ^2/NDF:2310684.7/23

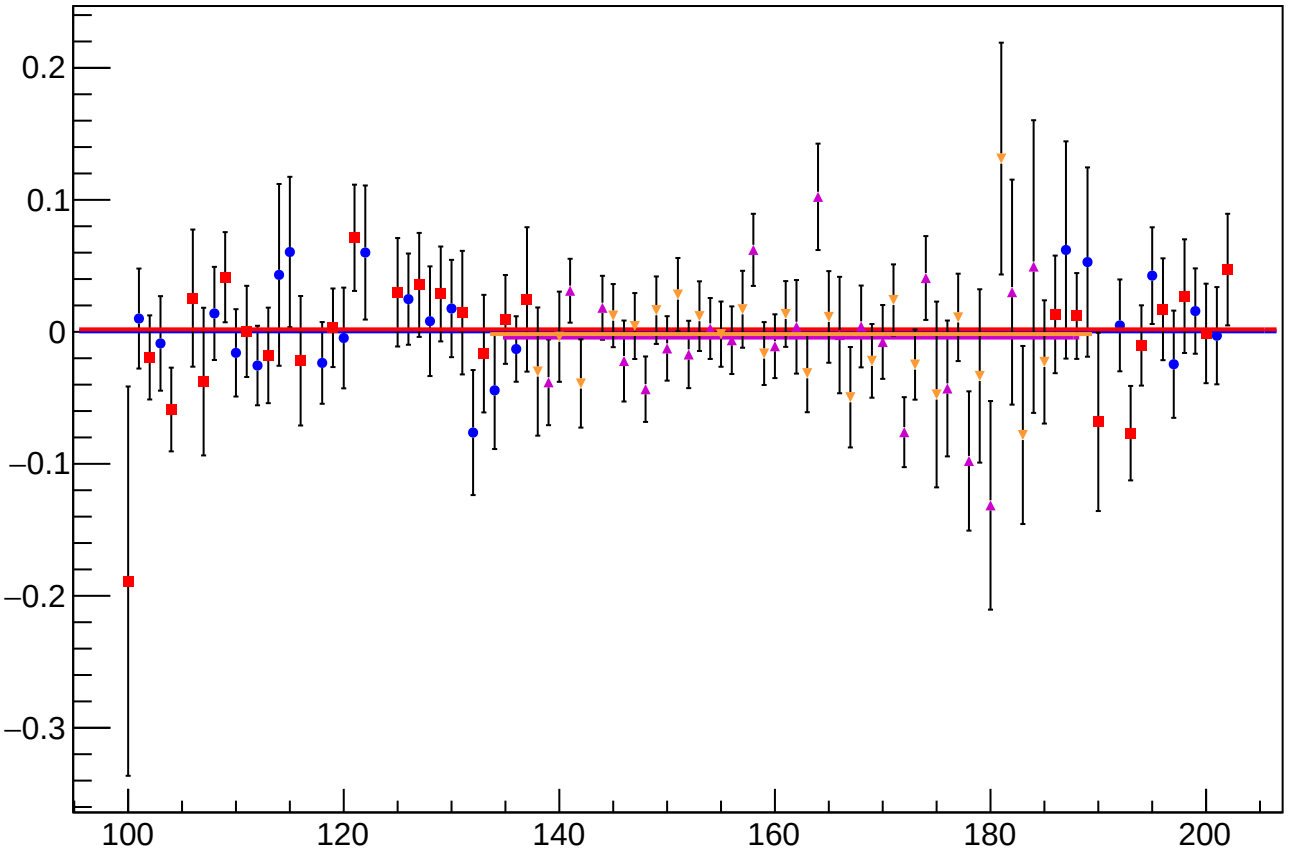
Right Out: 26.616+/-0.005 χ^2/NDF: 888269.2/26

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

+ sign 24.861+/-0.004 χ^2/NDF: 3274245.3/46

All: 25.145+/-0.002 χ^2/NDF: 6394192.2/96

- sign 25.420+/-0.003 χ^2/NDF: 3106984.3/49



Right In: 0.000+/-0.008 χ^2/NDF: 12.5/22

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

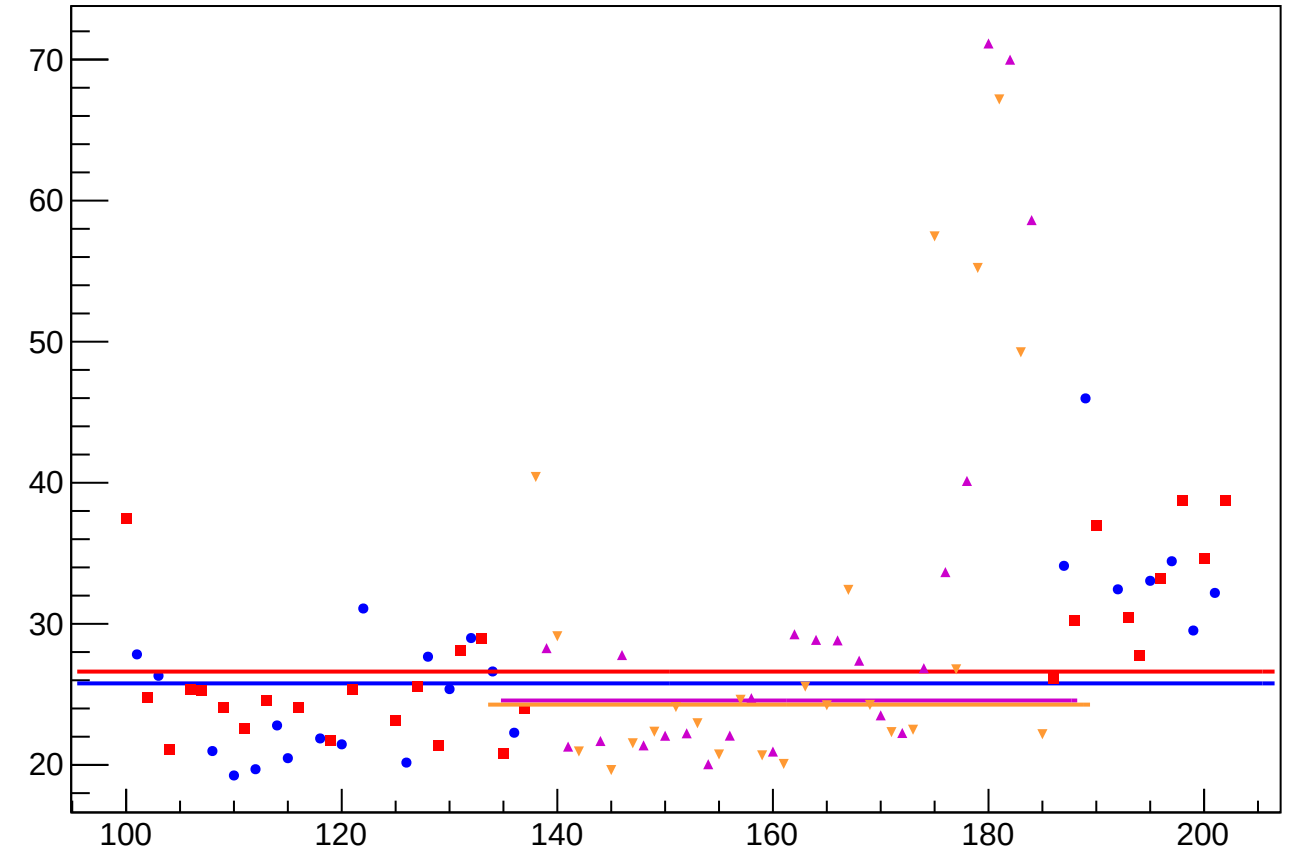
Right Out: 0.002+/-0.008 χ^2/NDF: 21.4/26

Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/46

All: -0.001+/-0.003 χ^2/NDF: 85.5/96

- sign -0.002+/-0.005 χ^2/NDF: 58.4/49



Right In: 25.779+/-0.006 χ^2/NDF: 919694.7/22

Left Out: 24.275+/-0.004 χ^2/NDF:2310684.7/23

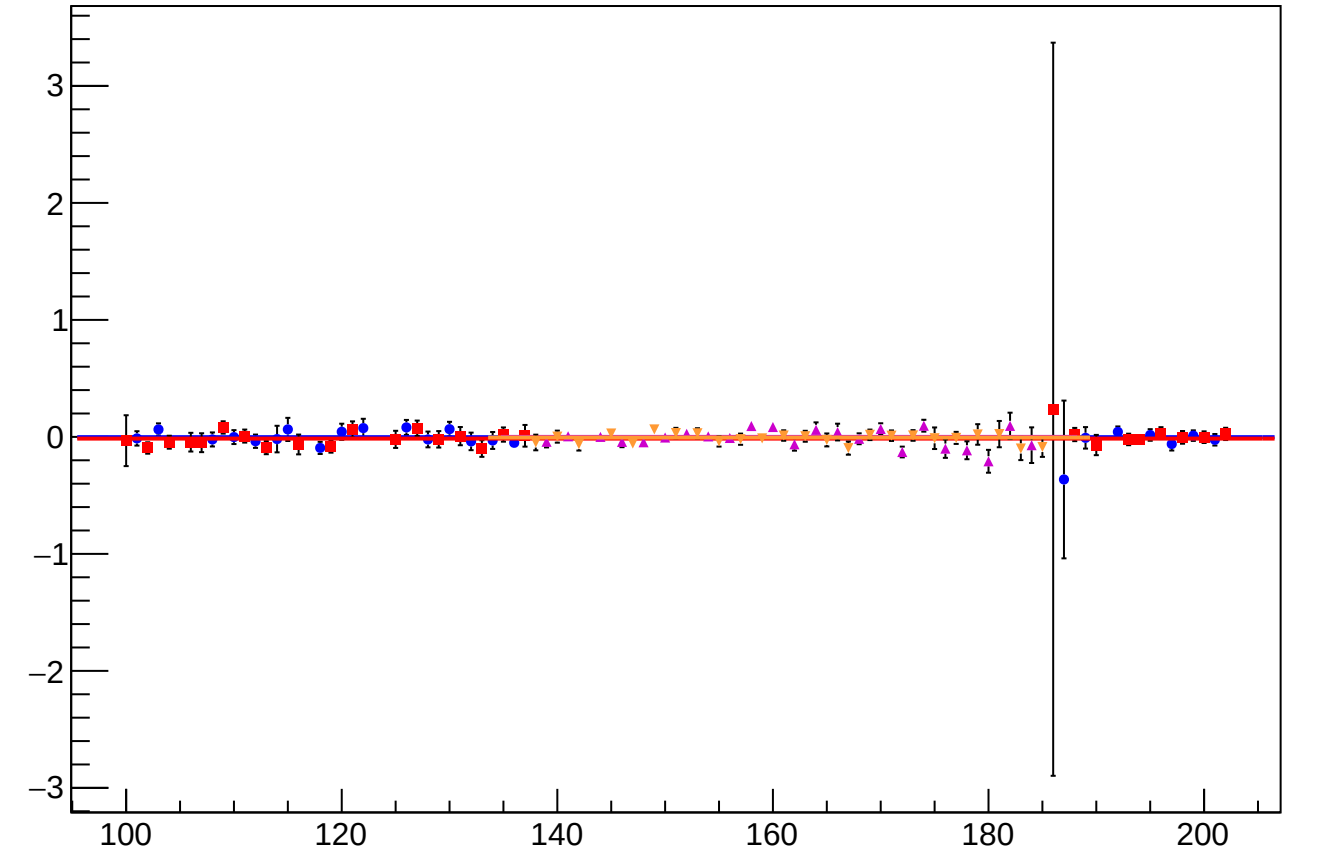
Right Out: 26.616+/-0.005 χ^2/NDF: 888269.2/26

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

+ sign 24.861+/-0.004 χ^2/NDF: 3274245.3/46

All: 25.145+/-0.002 χ^2/NDF: 6394192.2/96

- sign 25.420+/-0.003 χ^2/NDF: 3106984.3/49



Right In: -0.002+/-0.013 χ^2/NDF: 14.4/22

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

Right Out: -0.015+/-0.012 χ^2/NDF: 18.1/26

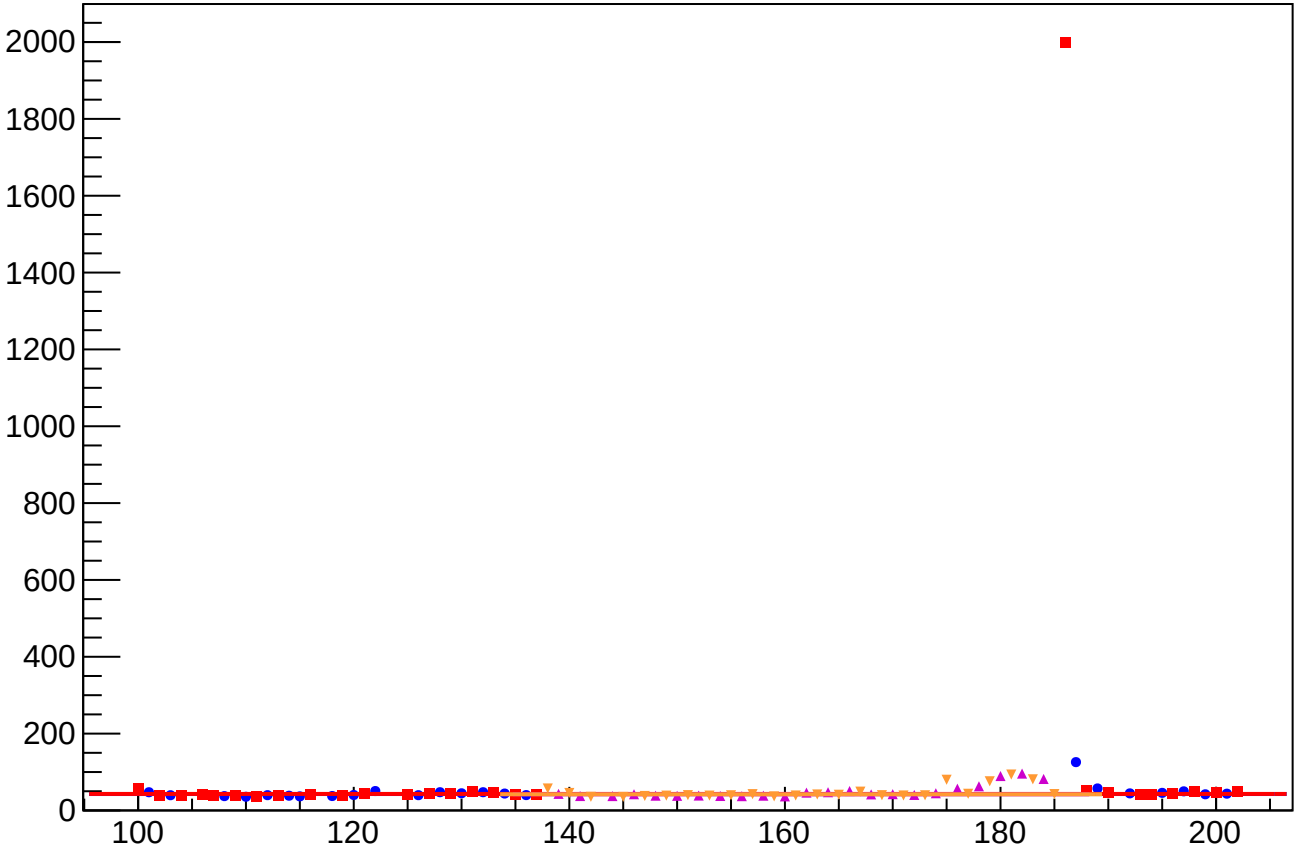
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.004+/-0.008 χ^2/NDF: 28.3/46

All: -0.005+/-0.006 χ^2/NDF: 85.2/96

- sign -0.006+/-0.008 χ^2/NDF: 56.9/49

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.772+/-0.009 χ^2/NDF: 277099.3/22

Left Out: 42.088+/-0.007 χ^2/NDF:1716037.6/23

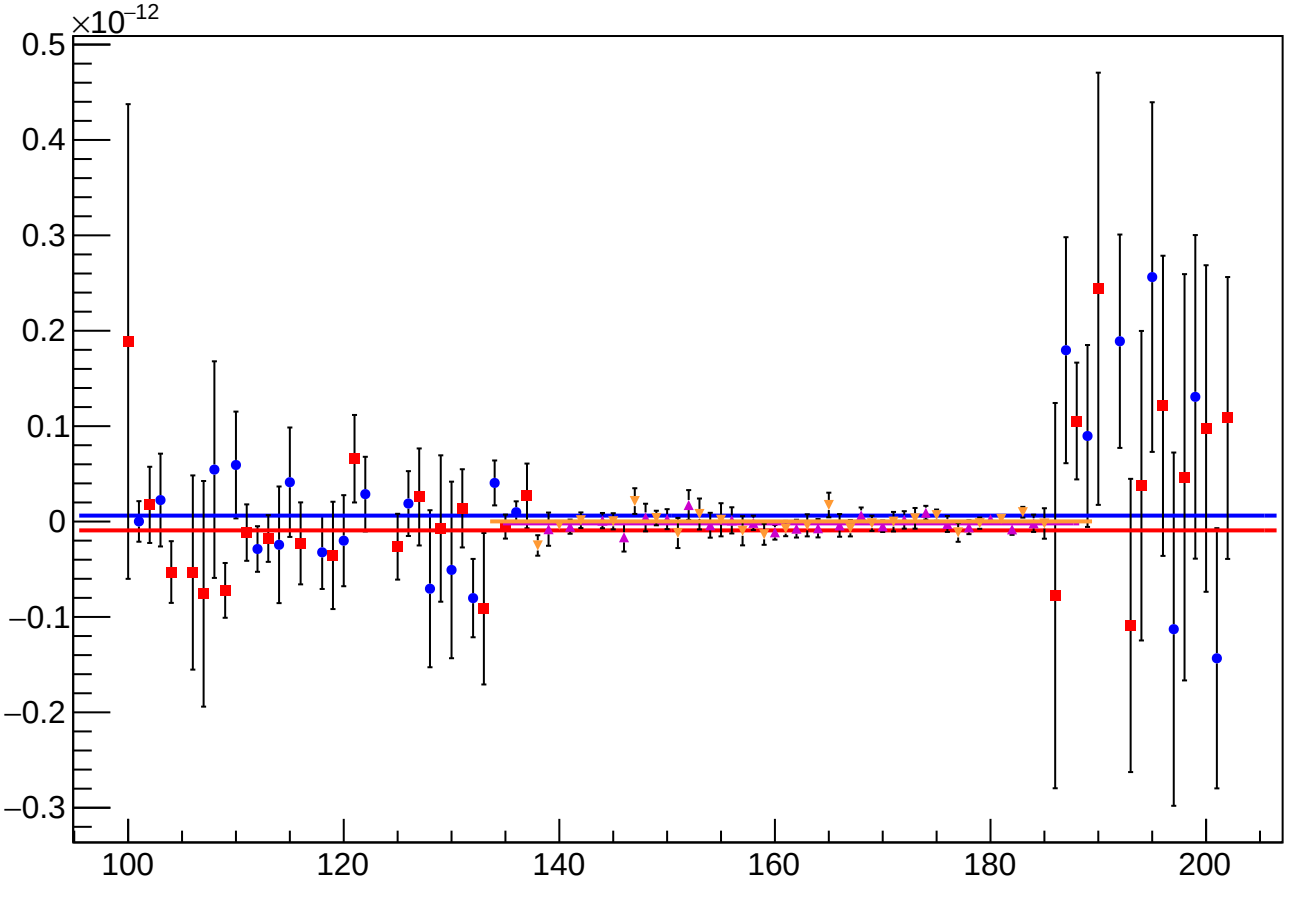
Right Out: 43.005+/-0.008 χ^2/NDF: 1027220.9/26

Left In: 42.078+/-0.007 χ^2/NDF:1543481.3/22

+ sign 42.364+/-0.006 χ^2/NDF: 1996623.5/46

All: 42.423+/-0.004 χ^2/NDF: 4574407.2/96

- sign 42.479+/-0.006 χ^2/NDF: 2577573.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/23

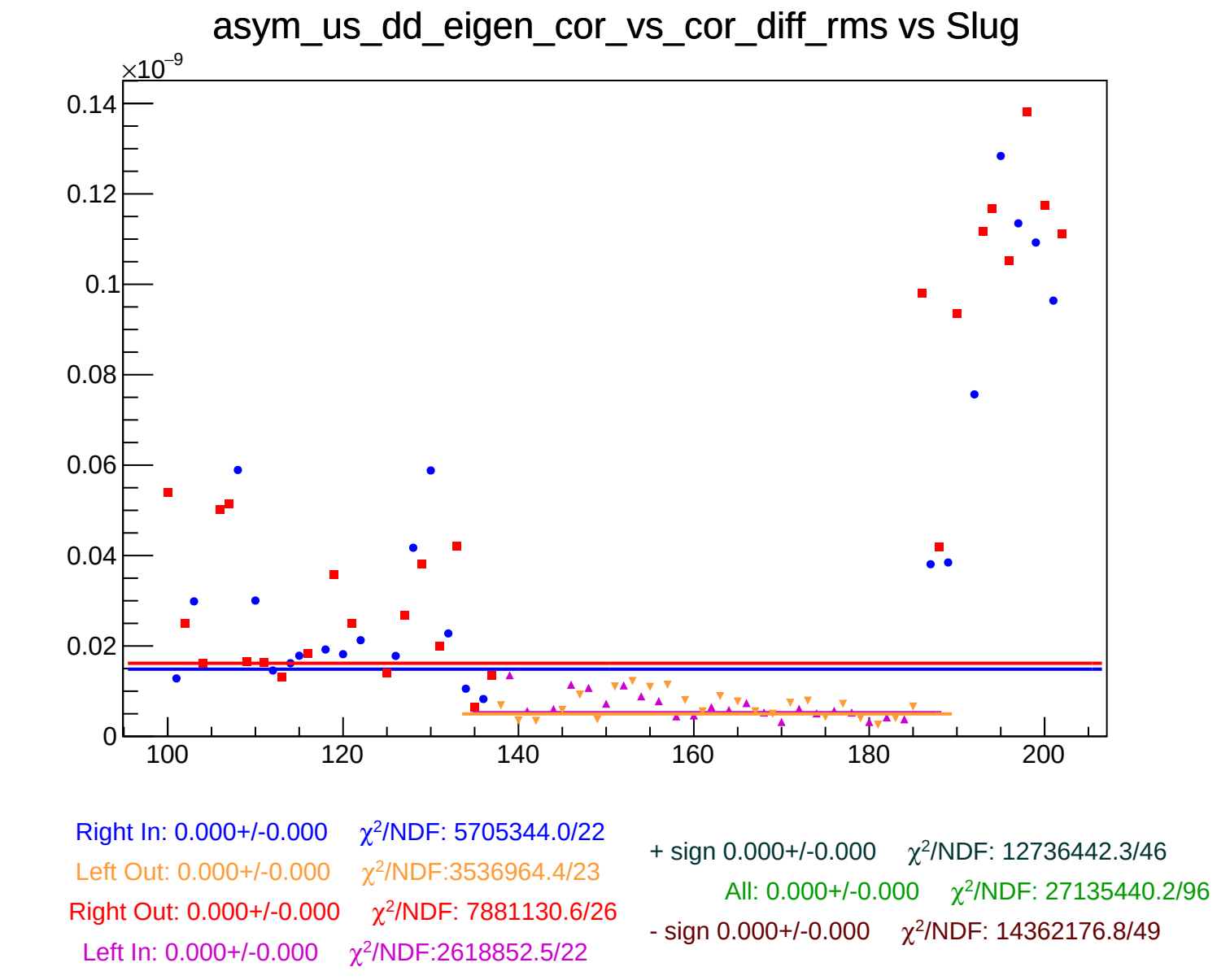
Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/26

Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

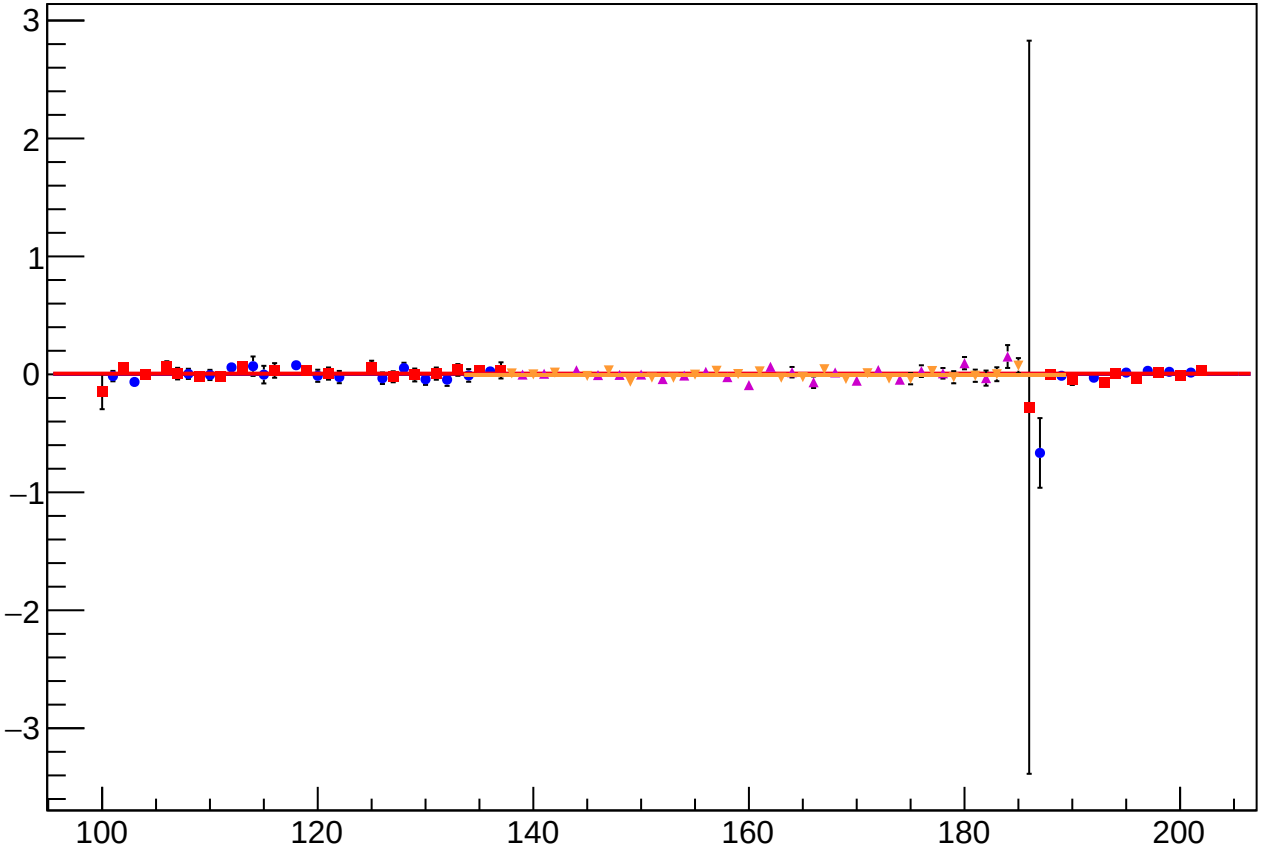
+ sign 0.000+/-0.000 χ^2/NDF: 45.2/46

All: -0.000+/-0.000 χ^2/NDF: 81.0/96

- sign -0.000+/-0.000 χ^2/NDF: 34.5/49


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5705344.0/22
Left Out: 0.000+/-0.000 χ²/NDF:3536964.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 7881130.6/26
Left In: 0.000+/-0.000 χ²/NDF:2618852.5/22
+ sign 0.000+/-0.000 χ²/NDF: 12736442.3/46
All: 0.000+/-0.000 χ²/NDF: 27135440.2/96
- sign 0.000+/-0.000 χ²/NDF: 14362176.8/49

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 23.7/22

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: 0.006+/-0.007 χ^2/NDF: 22.3/26

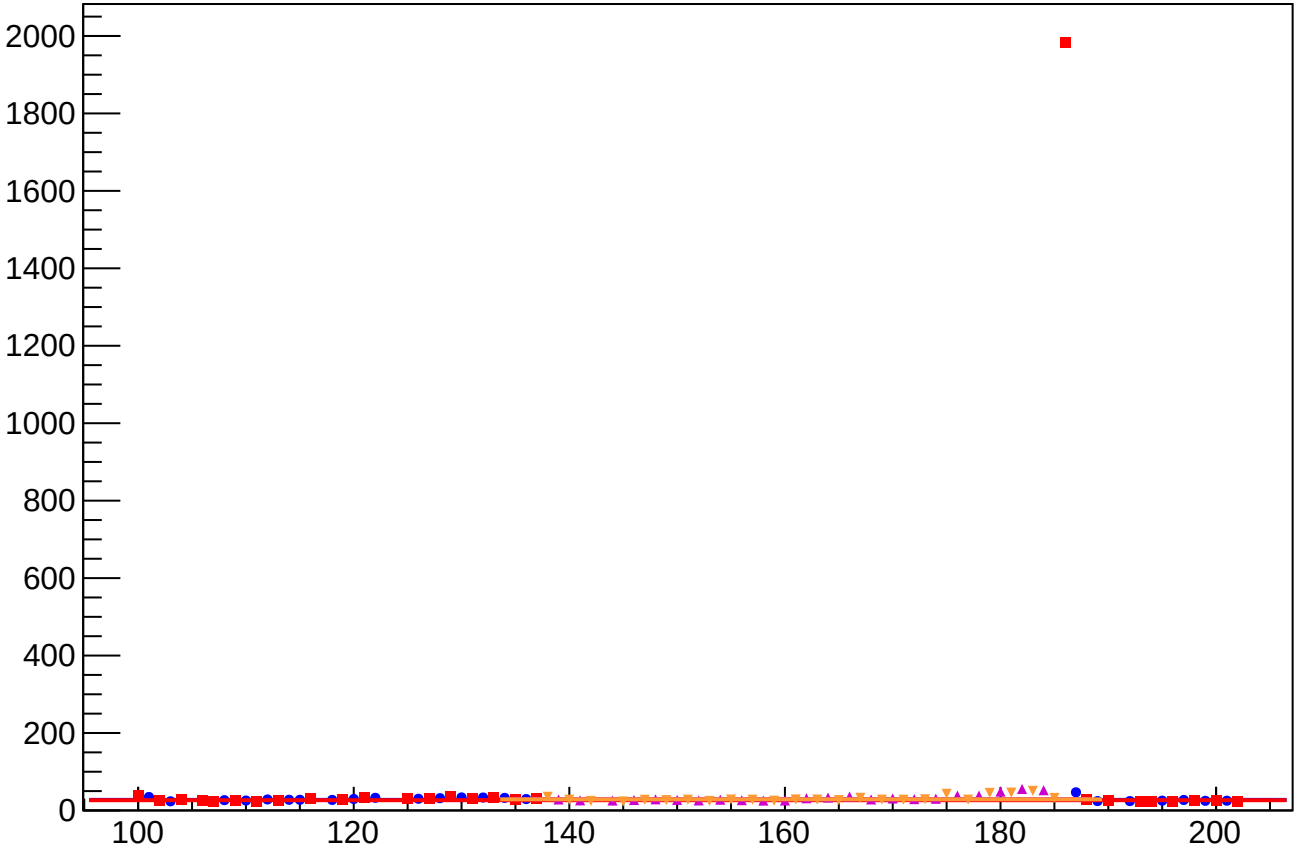
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.001+/-0.005 χ^2/NDF: 41.0/46

All: -0.000+/-0.004 χ^2/NDF: 95.7/96

- sign 0.001+/-0.005 χ^2/NDF: 54.5/49

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 27.284+/-0.006 χ^2/NDF: 316909.9/22

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

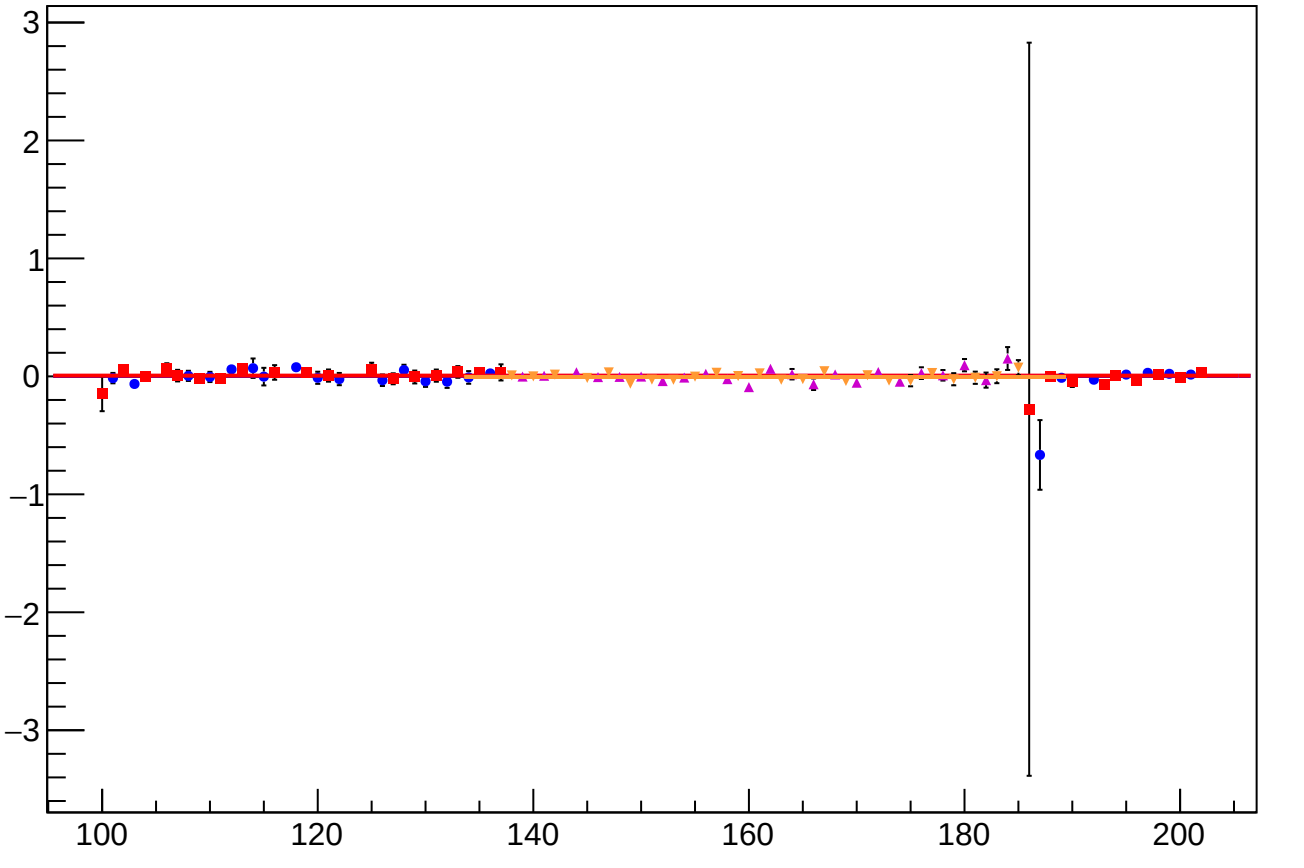
Right Out: 26.495+/-0.005 χ^2/NDF: 1100367.9/26

Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.140+/-0.004 χ^2/NDF: 1526074.7/46

All: 28.033+/-0.003 χ^2/NDF: 3909850.9/96

- sign 27.933+/-0.004 χ^2/NDF: 2382237.3/49



Right In: 0.003+/-0.008 χ^2/NDF: 23.7/22

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: 0.006+/-0.007 χ^2/NDF: 22.3/26

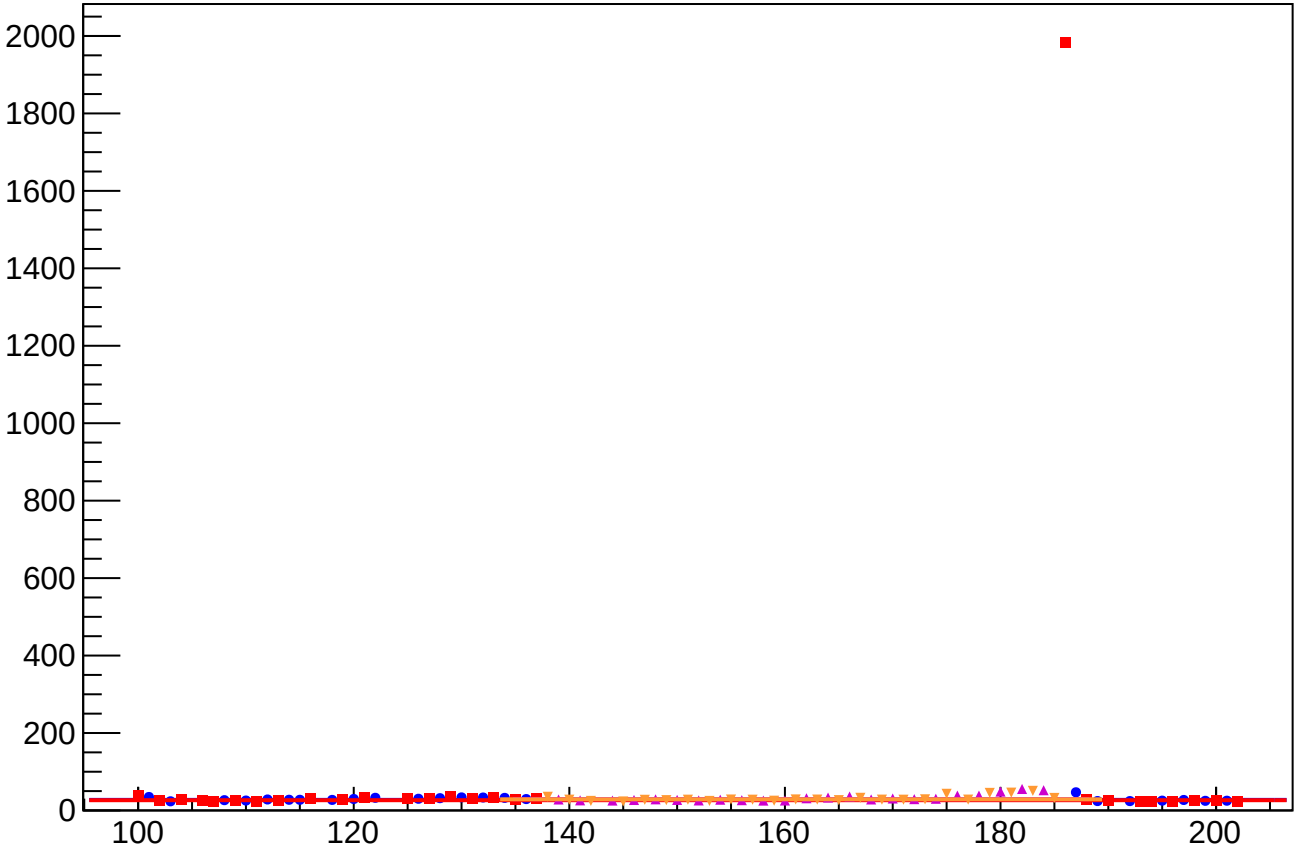
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.001+/-0.005 χ^2/NDF: 41.0/46

All: -0.000+/-0.004 χ^2/NDF: 95.7/96

- sign 0.001+/-0.005 χ^2/NDF: 54.5/49

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 27.284+/-0.006 χ^2/NDF: 316909.9/22

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

Right Out: 26.495+/-0.005 χ^2/NDF: 1100367.9/26

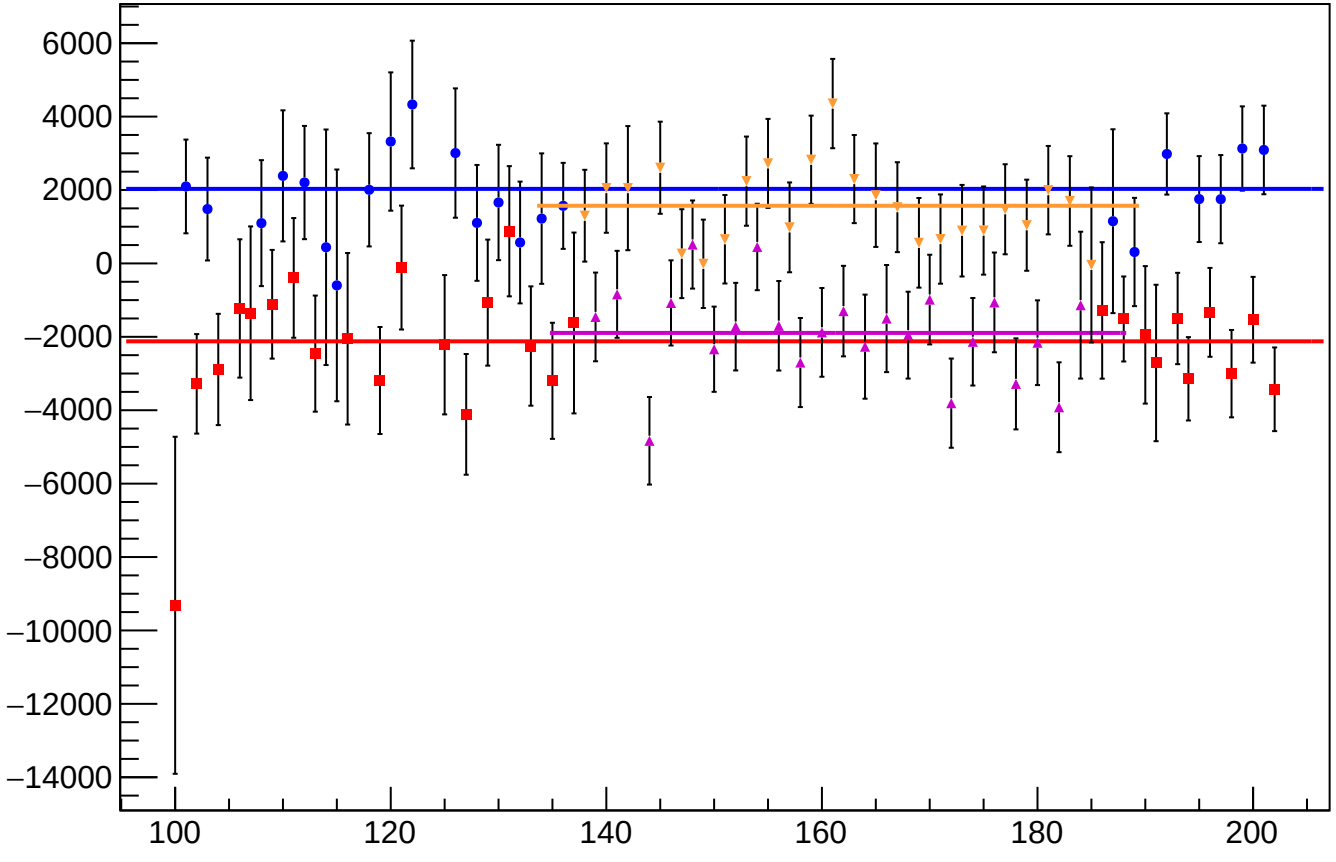
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.140+/-0.004 χ^2/NDF: 1526074.7/46

All: 28.033+/-0.003 χ^2/NDF: 3909850.9/96

- sign 27.933+/-0.004 χ^2/NDF: 2382237.3/49

reg_asym_usl_mean vs Slug



Right In: 2030.959+/-312.122 χ^2/NDF: 9.5/22

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -2122.780+/-290.844 χ^2/NDF: 16.7/27

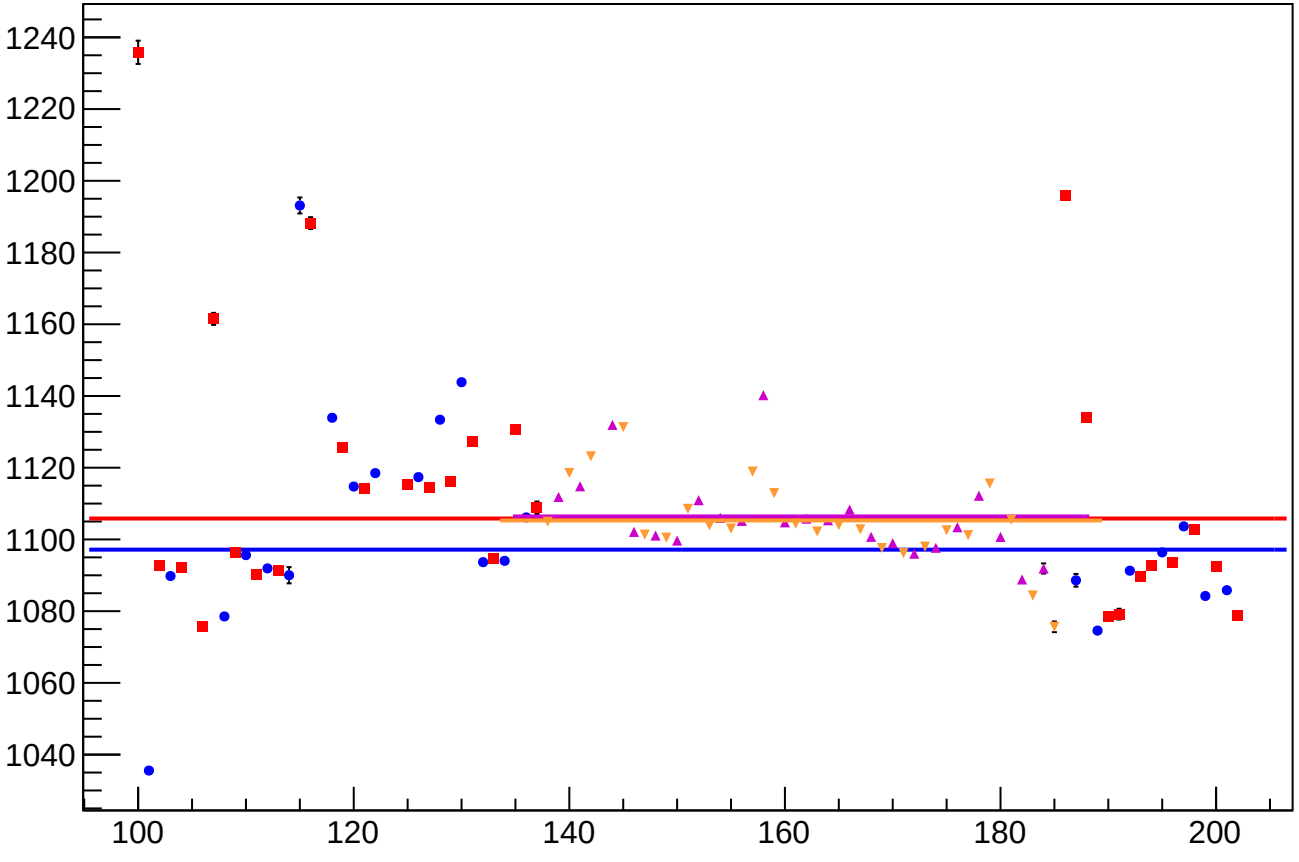
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1756.477+/-198.185 χ^2/NDF: 26.2/46

All: -167.308+/-138.323 χ^2/NDF: 251.1/97

- sign -1994.531+/-193.147 χ^2/NDF: 41.2/50

reg_asym_usl_rms vs Slug



Right In: 1097.151+/-0.221 χ^2/NDF: 12689.2/22

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1105.833+/-0.206 χ^2/NDF: 16819.0/27

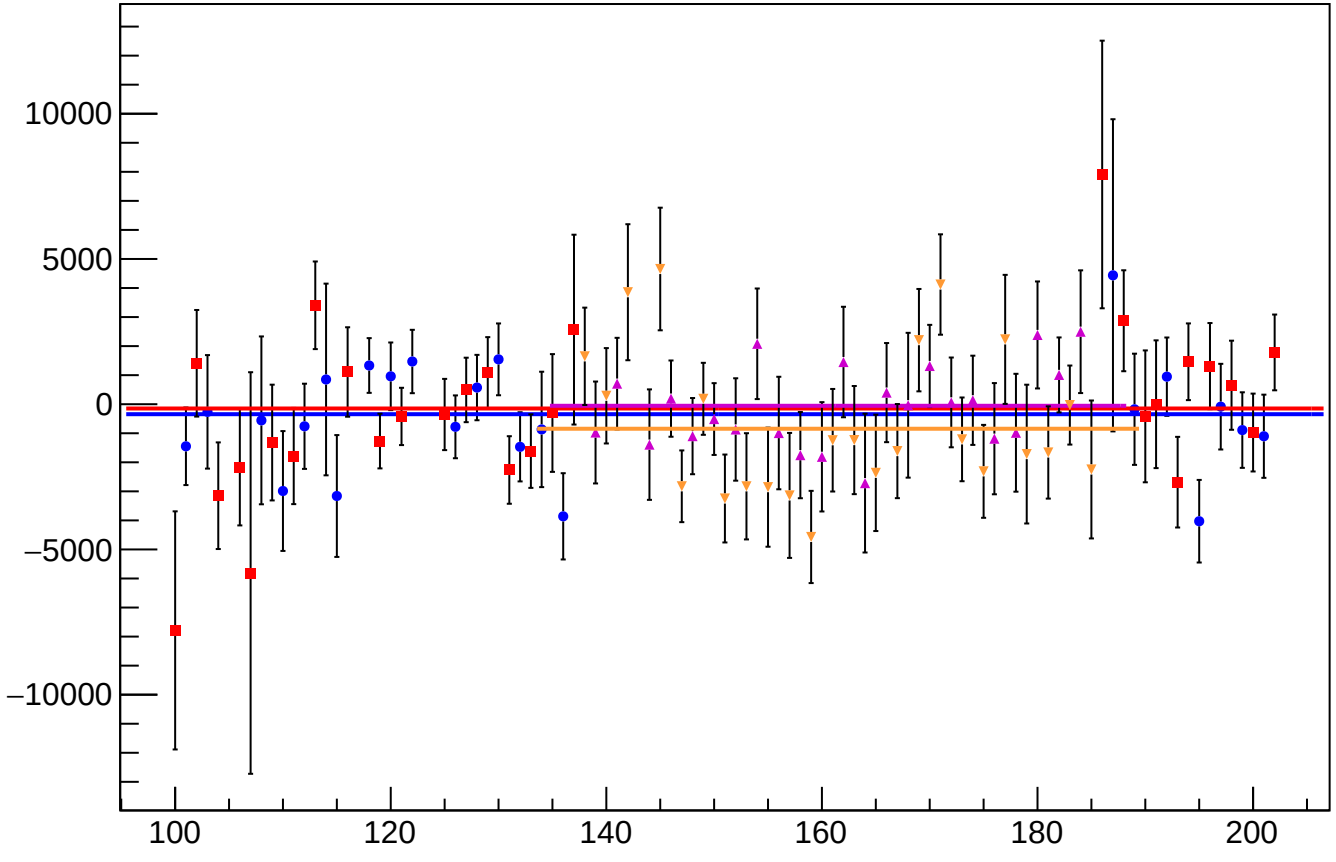
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1102.011+/-0.140 χ^2/NDF: 16663.4/46

All: 1104.135+/-0.098 χ^2/NDF: 37711.1/97

- sign 1106.153+/-0.137 χ^2/NDF: 20599.7/50

asym_usl_reg_correction_mean vs Slug



Right In: -343.829+/-297.860 χ^2/NDF: 30.2/22

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -147.730+/-286.451 χ^2/NDF: 38.3/27

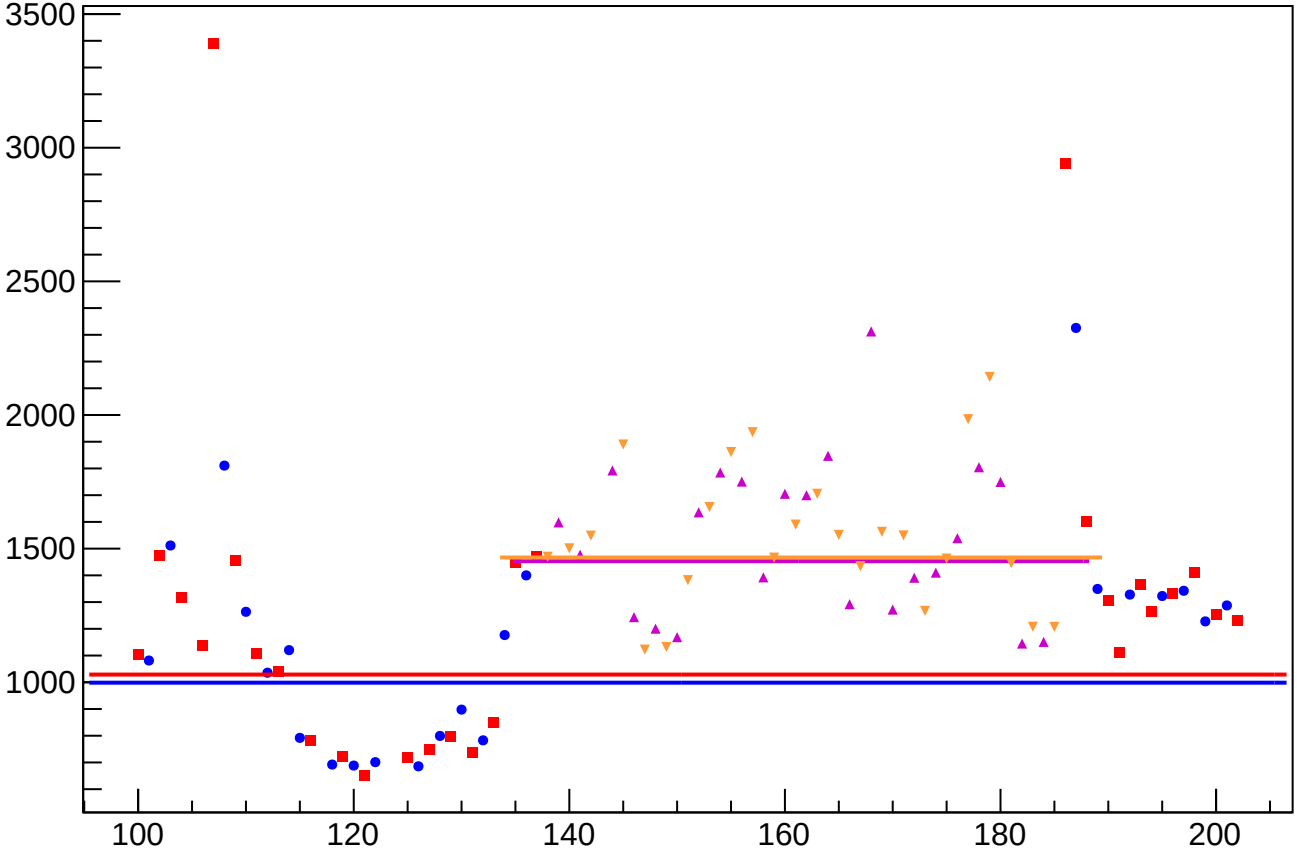
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -556.051+/-226.109 χ^2/NDF: 75.5/46

All: -327.435+/-157.913 χ^2/NDF: 129.0/97

- sign -109.749+/-220.637 χ^2/NDF: 51.4/50

asym_usl_reg_correction_rms vs Slug



Right In: 998.500+/-0.211 χ^2/NDF: 1998889.0/22

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 1028.834+/-0.203 χ^2/NDF: 2736574.7/27

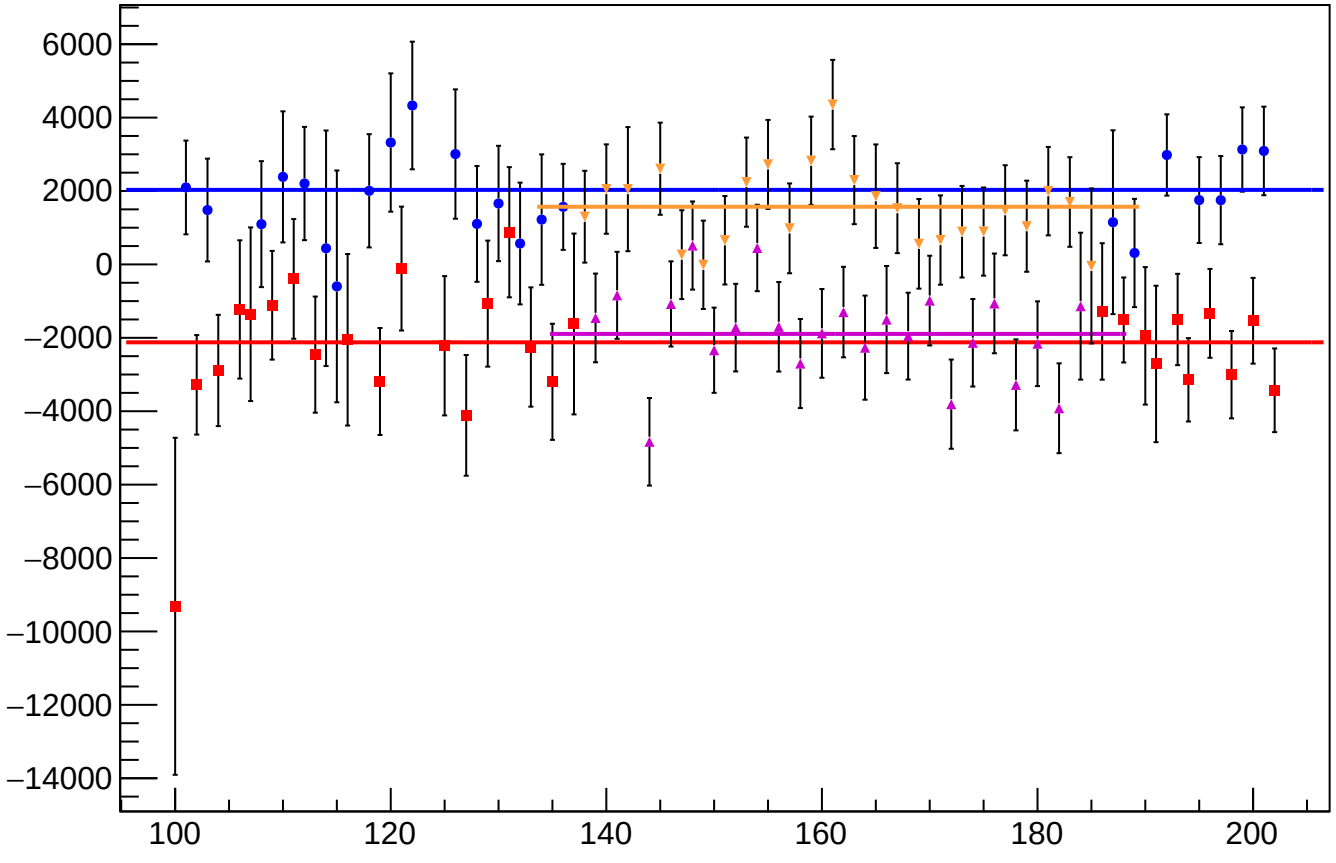
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1196.961+/-0.160 χ^2/NDF: 5137508.4/46

All: 1199.207+/-0.112 χ^2/NDF: 10787507.6/9

- sign 1201.346+/-0.156 χ^2/NDF: 5649614.0/50

cor_asym_usl_mean vs Slug



Right In: 2030.959+/-312.122 χ^2/NDF: 9.5/22

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -2122.770+/-290.844 χ^2/NDF: 16.7/27

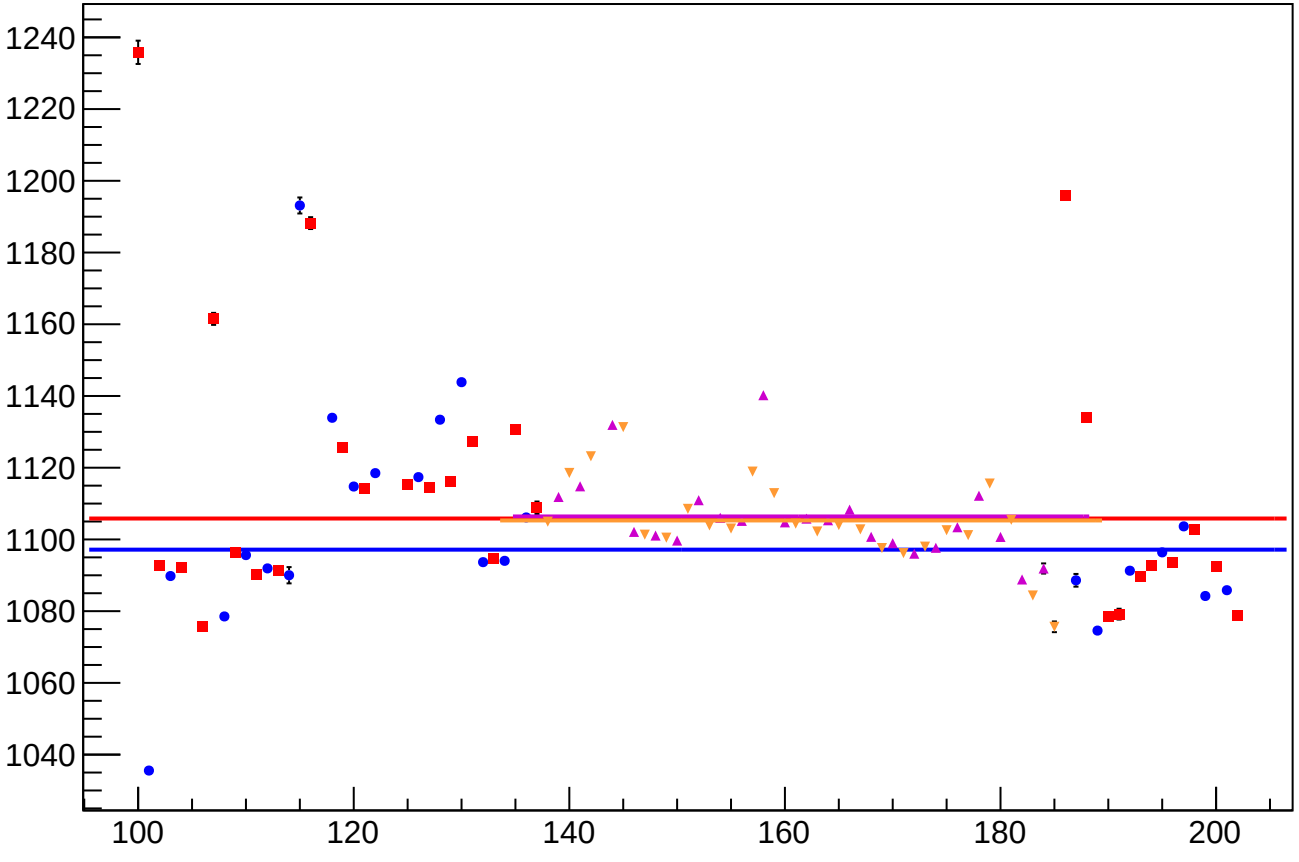
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1756.477+/-198.185 χ^2/NDF: 26.2/46

All: -167.306+/-138.323 χ^2/NDF: 251.1/97

- sign -1994.527+/-193.147 χ^2/NDF: 41.2/50

cor_asym_usl_rms vs Slug



Right In: 1097.151+/-0.221 χ^2/NDF: 12689.2/22

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1105.833+/-0.206 χ^2/NDF: 16819.0/27

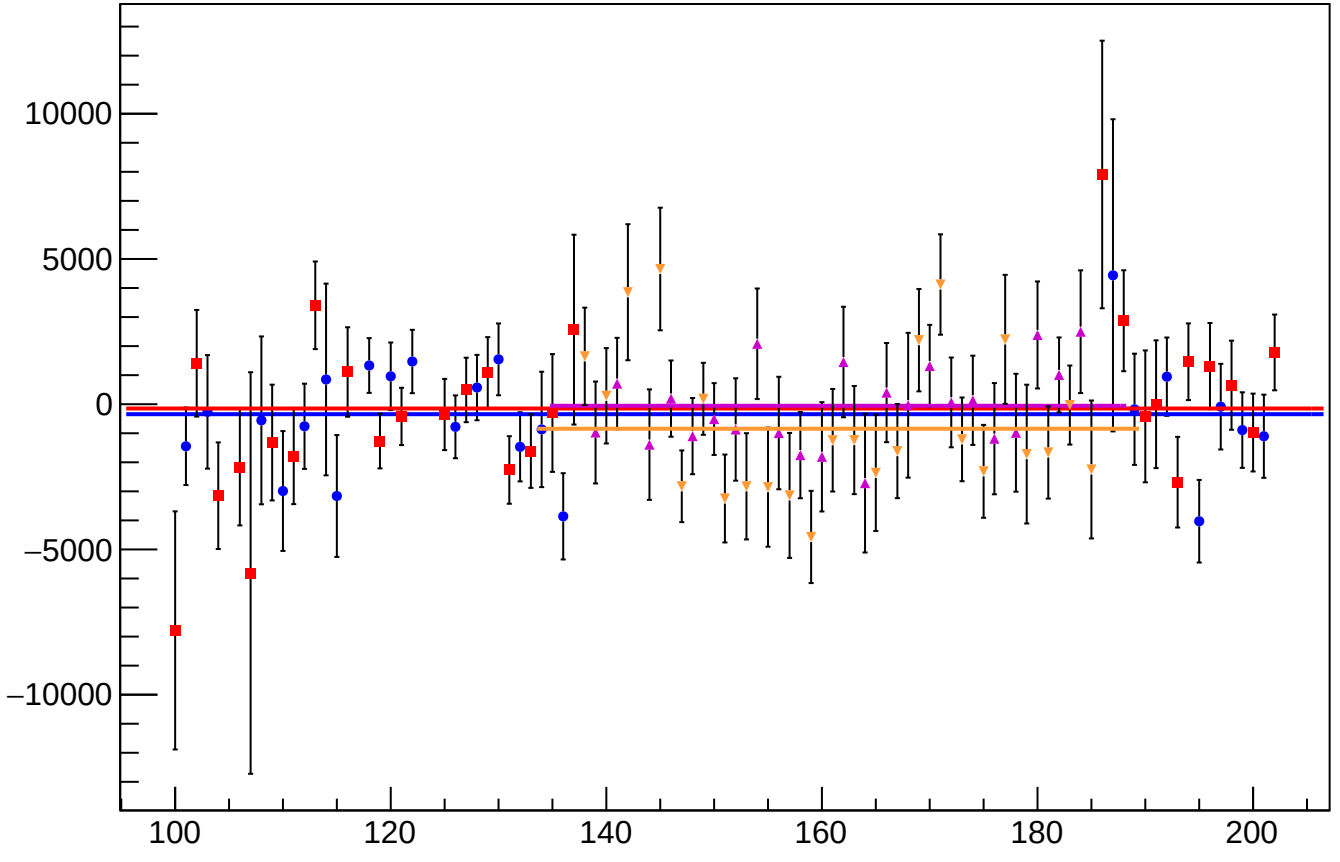
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1102.011+/-0.140 χ^2/NDF: 16663.4/46

All: 1104.135+/-0.098 χ^2/NDF: 37711.1/97

- sign 1106.153+/-0.137 χ^2/NDF: 20599.7/50

asym_usl_cor_correction_mean vs Slug



Right In: -343.829+/-297.860 χ^2/NDF: 30.2/22

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -147.730+/-286.451 χ^2/NDF: 38.3/27

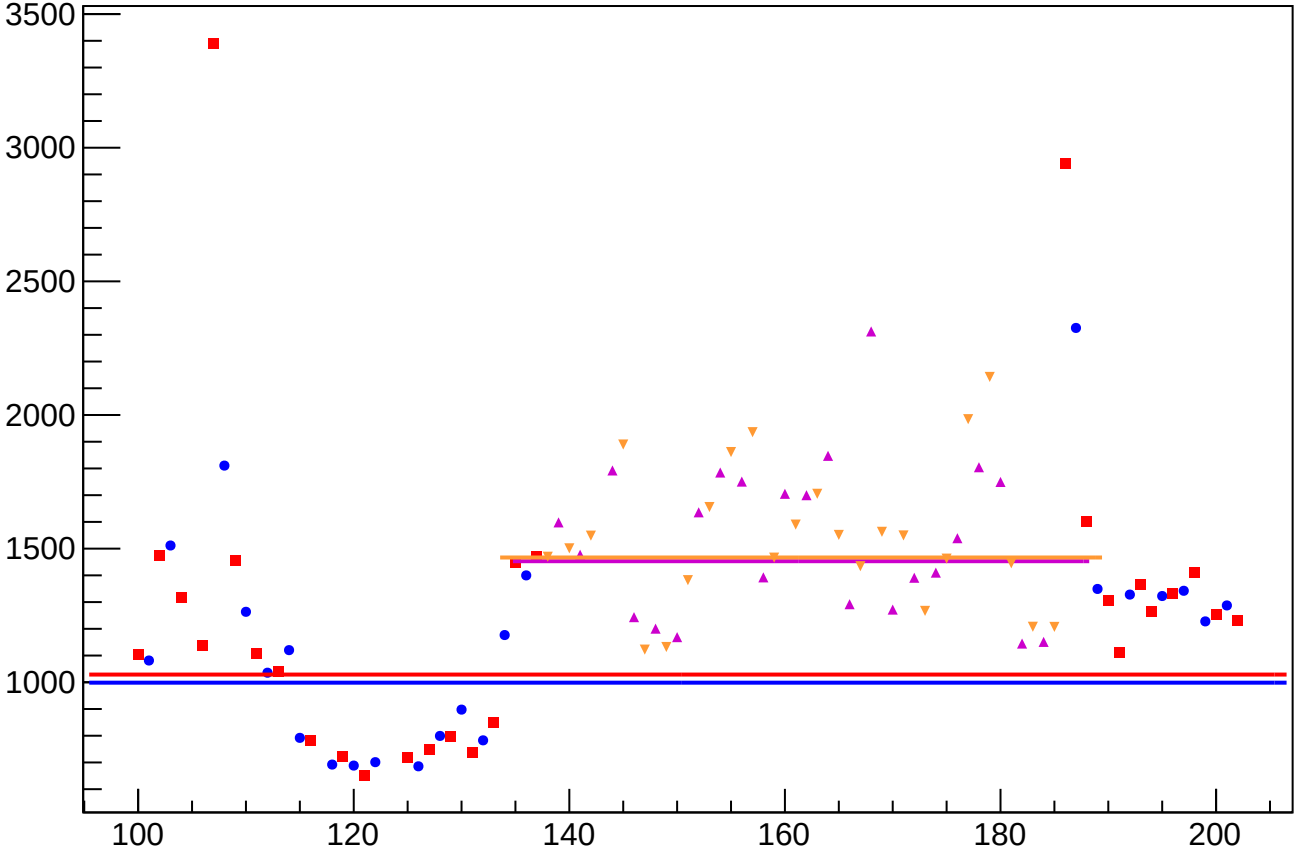
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -556.051+/-226.109 χ^2/NDF: 75.5/46

All: -327.435+/-157.913 χ^2/NDF: 129.0/97

- sign -109.749+/-220.637 χ^2/NDF: 51.4/50

asym_usl_cor_correction_rms vs Slug



Right In: 998.500+/-0.211 χ^2/NDF: 1998889.0/22

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 1028.834+/-0.203 χ^2/NDF: 2736573.9/27

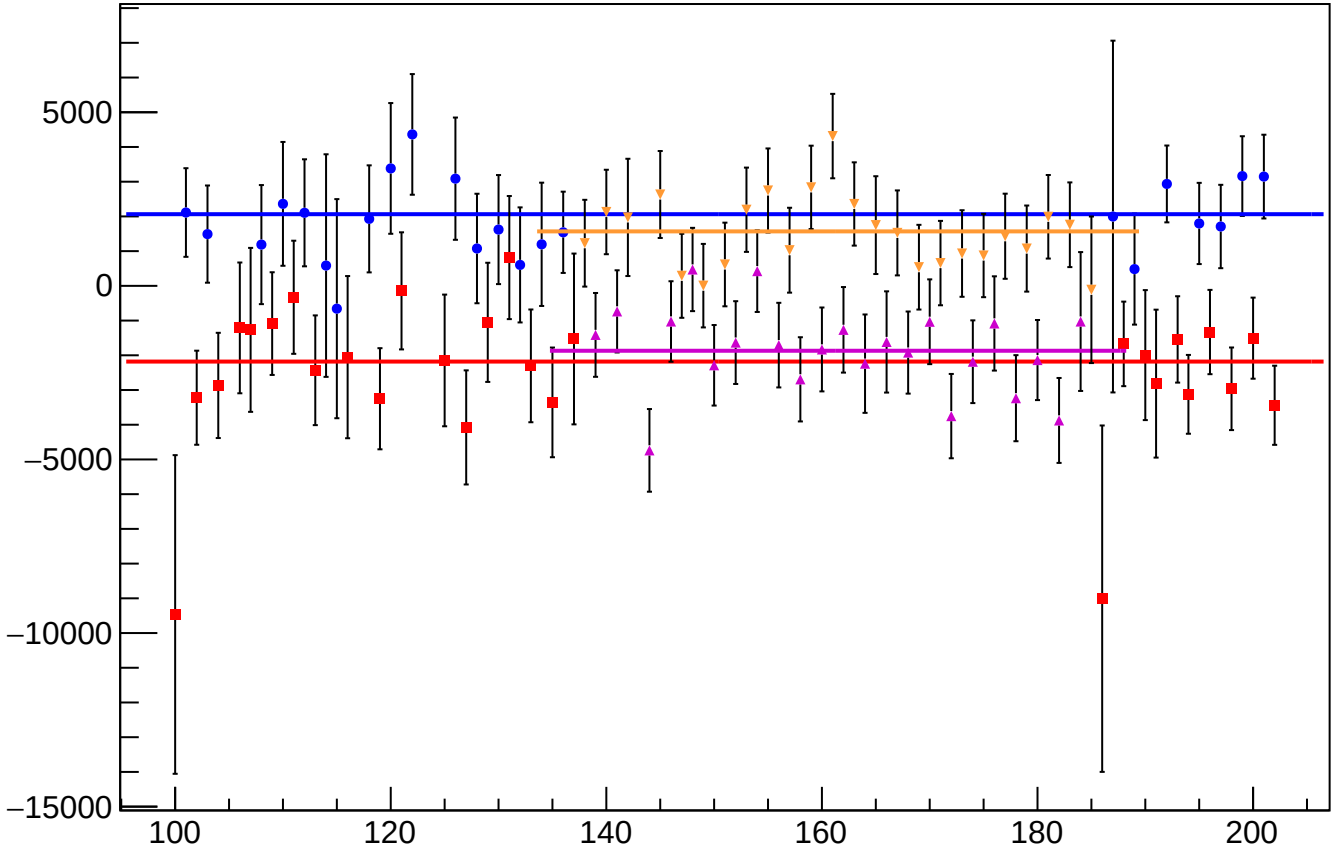
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1196.961+/-0.160 χ^2/NDF: 5137508.4/46

All: 1199.207+/-0.112 χ^2/NDF: 10787508.5/9

- sign 1201.345+/-0.156 χ^2/NDF: 5649615.0/50

overload_cor_asym_usl_mean vs Slug



Right In: 2064.113+/-314.808 χ^2/NDF: 9.1/22

Left Out: 1568.786+/-256.294 χ^2/NDF:15.4/23

Right Out: -2180.795+/-294.716 χ^2/NDF: 18.4/27

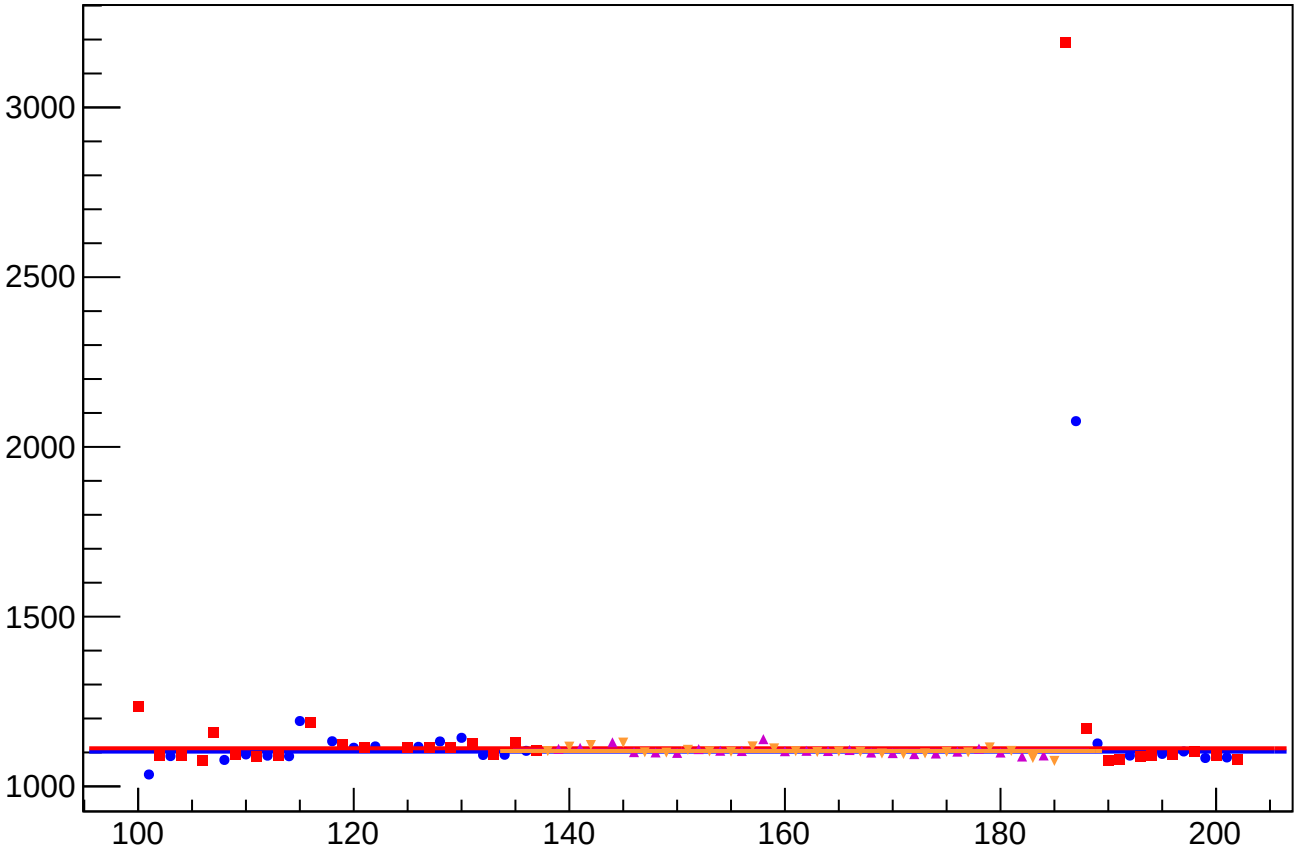
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1766.226+/-198.755 χ^2/NDF: 26.0/46

All: -163.180+/-138.890 χ^2/NDF: 252.7/97

- sign -2004.529+/-194.167 χ^2/NDF: 42.5/50

overload_cor_asym_usl_rms vs Slug



Right In: 1102.424+/-0.223 χ^2/NDF: 86867.4/22

Left Out: 1104.258+/-0.181 χ^2/NDF:2999.2/23

Right Out: 1112.245+/-0.208 χ^2/NDF: 365022.1/27

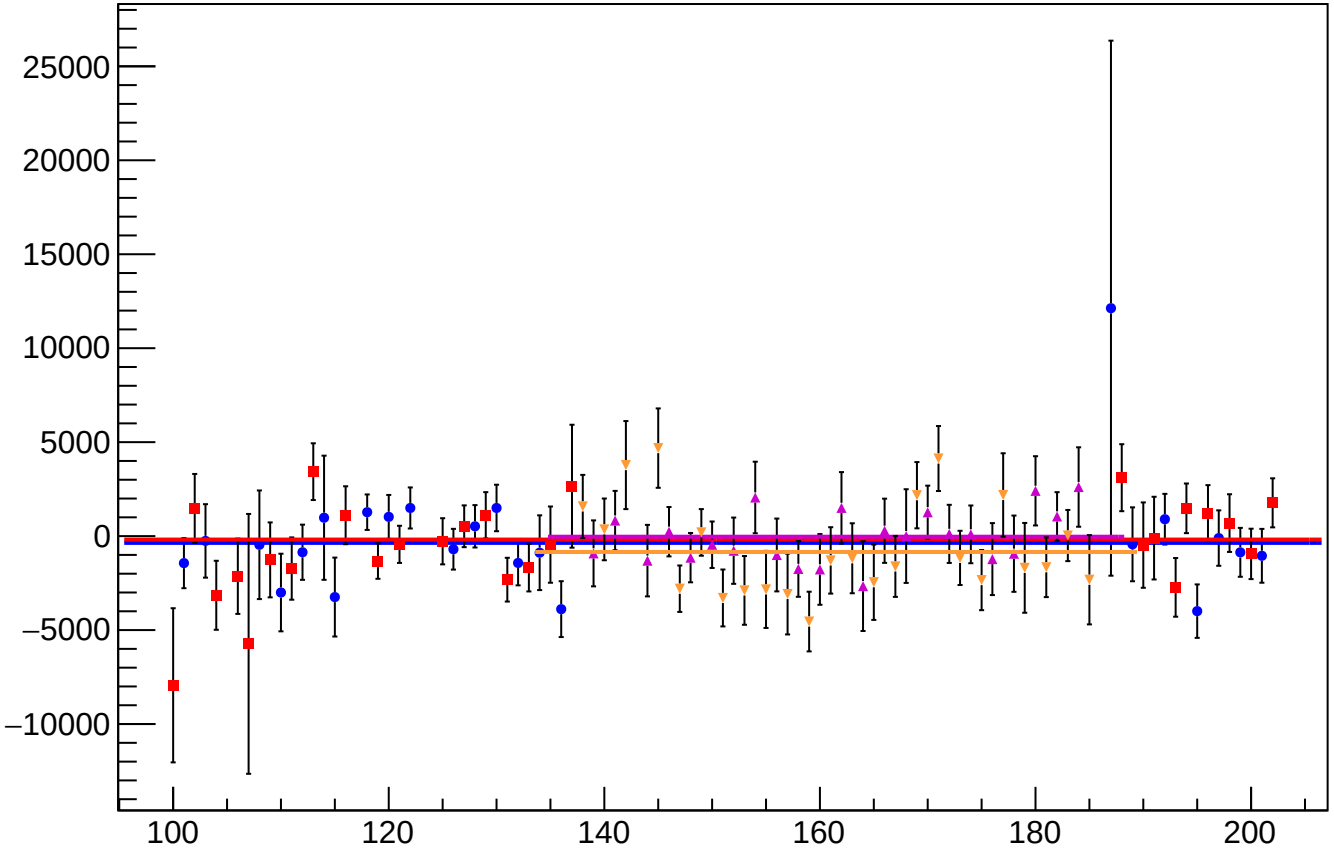
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1103.527+/-0.141 χ^2/NDF: 89907.5/46

All: 1106.000+/-0.098 χ^2/NDF: 459809.8/97

- sign 1108.360+/-0.137 χ^2/NDF: 369297.2/50

asym_usl_overload_cor_correction_mean vs Slug



Right In: -359.602+/-298.821 χ^2/NDF: 29.8/22

Left Out: -843.280+/-347.538 χ^2/NDF:44.0/23

Right Out: -183.217+/-287.565 χ^2/NDF: 36.2/26

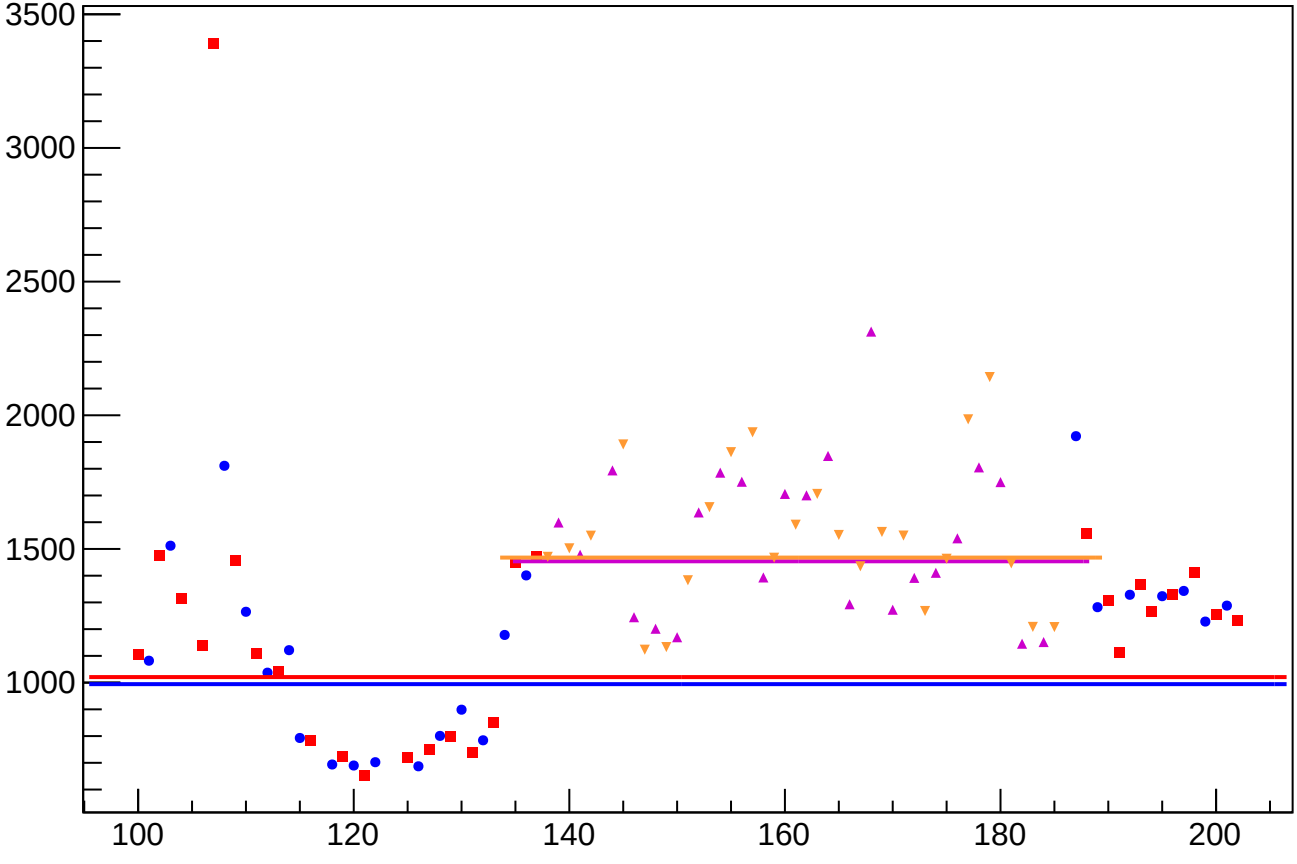
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -565.191+/-226.581 χ^2/NDF: 74.9/46

All: -337.866+/-158.279 χ^2/NDF: 126.3/96

- sign -121.221+/-221.195 χ^2/NDF: 49.4/49

asym_usl_overload_cor_correction_rms vs Slug



Right In: 994.276+/-0.211 χ^2/NDF: 1850454.5/22

Left Out: 1467.697+/-0.246 χ^2/NDF:1041877.5/23

Right Out: 1020.686+/-0.203 χ^2/NDF: 2337635.8/26

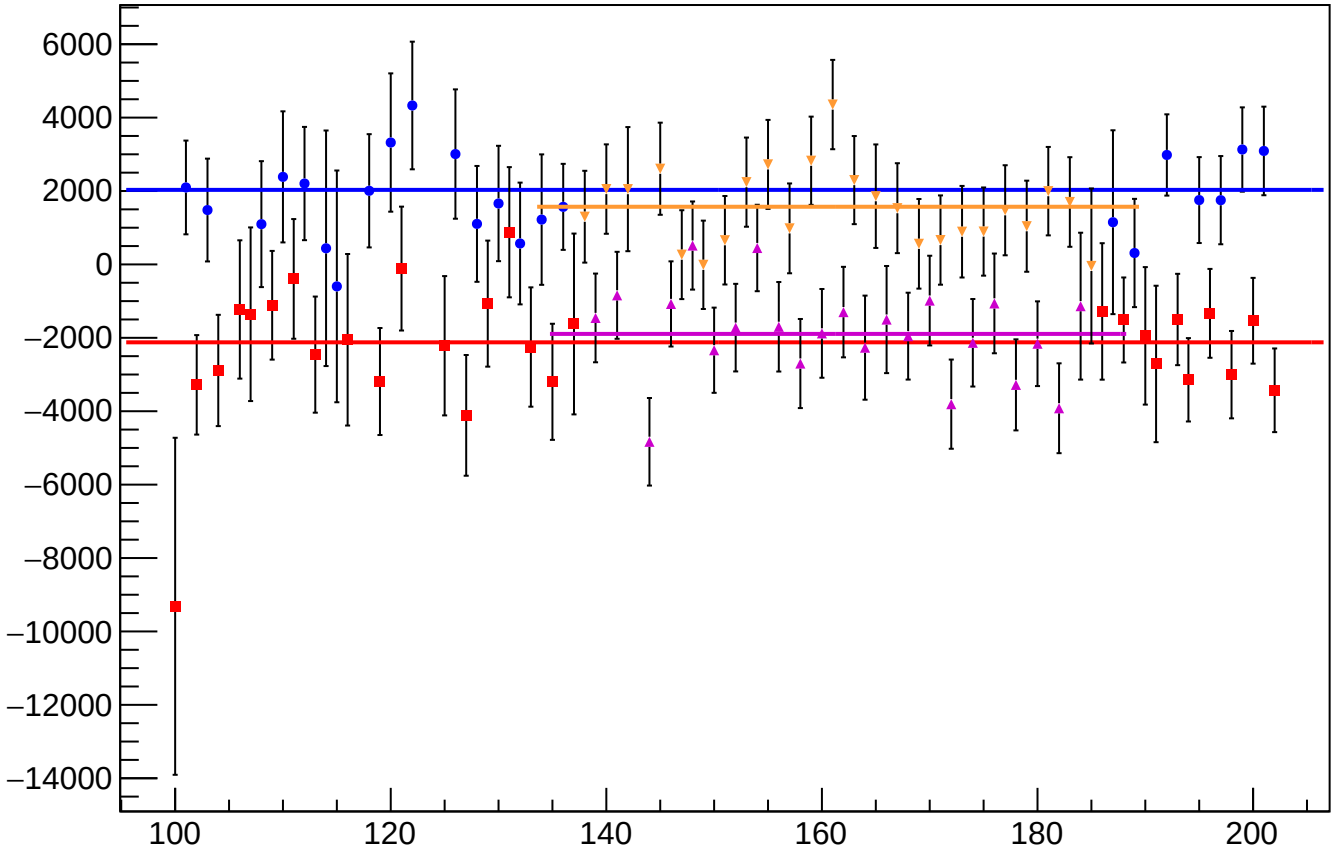
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1195.506+/-0.160 χ^2/NDF: 5026096.8/46

All: 1196.554+/-0.112 χ^2/NDF: 10344665.9/9

- sign 1197.553+/-0.156 χ^2/NDF: 5318485.5/49

eigen_cor_asym_usl_mean vs Slug



Right In: 2030.959+/-312.122 χ^2/NDF: 9.5/22

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -2122.770+/-290.844 χ^2/NDF: 16.7/27

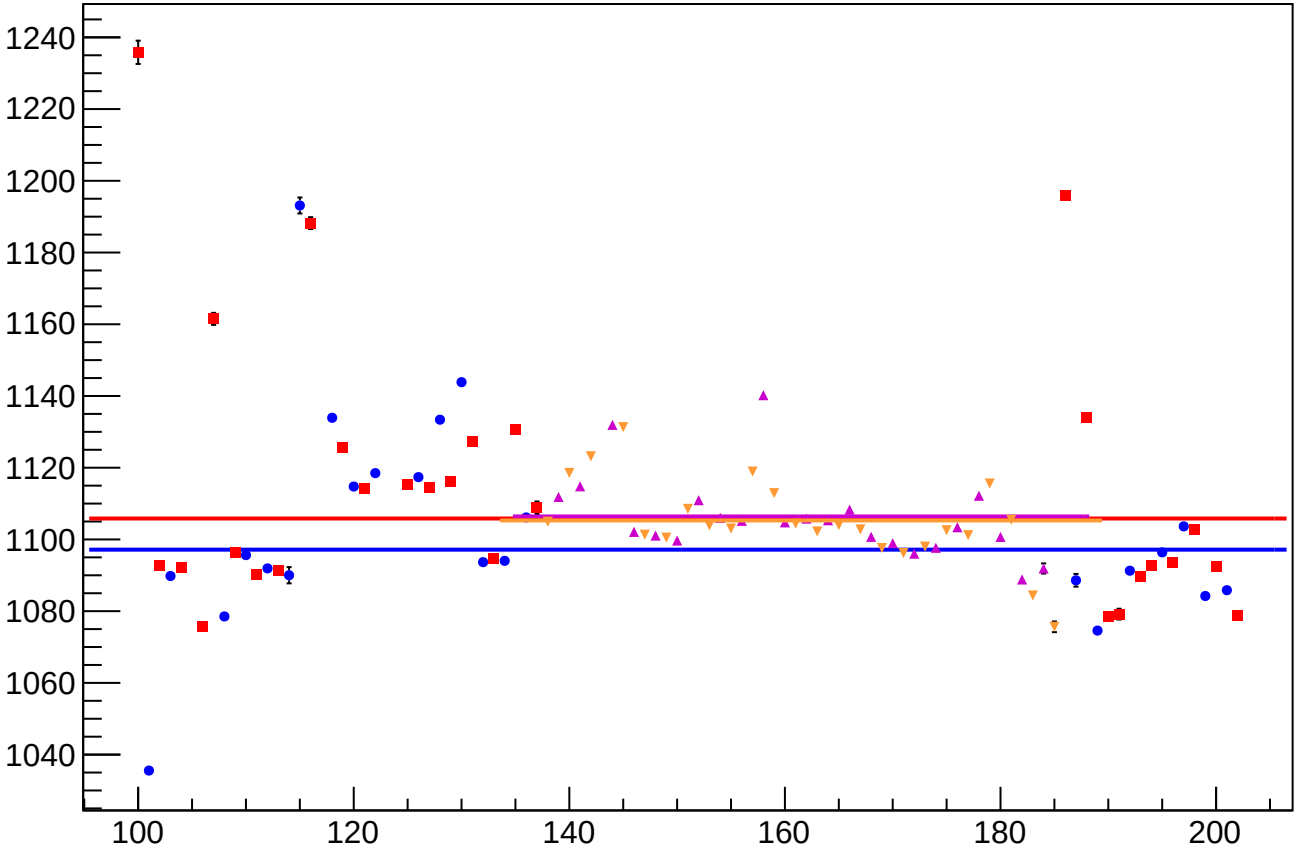
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1756.477+/-198.185 χ^2/NDF: 26.2/46

All: -167.306+/-138.323 χ^2/NDF: 251.1/97

- sign -1994.527+/-193.147 χ^2/NDF: 41.2/50

eigen_cor_asym_usl_rms vs Slug



Right In: 1097.151+/-0.221 χ^2/NDF: 12689.2/22

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1105.833+/-0.206 χ^2/NDF: 16819.0/27

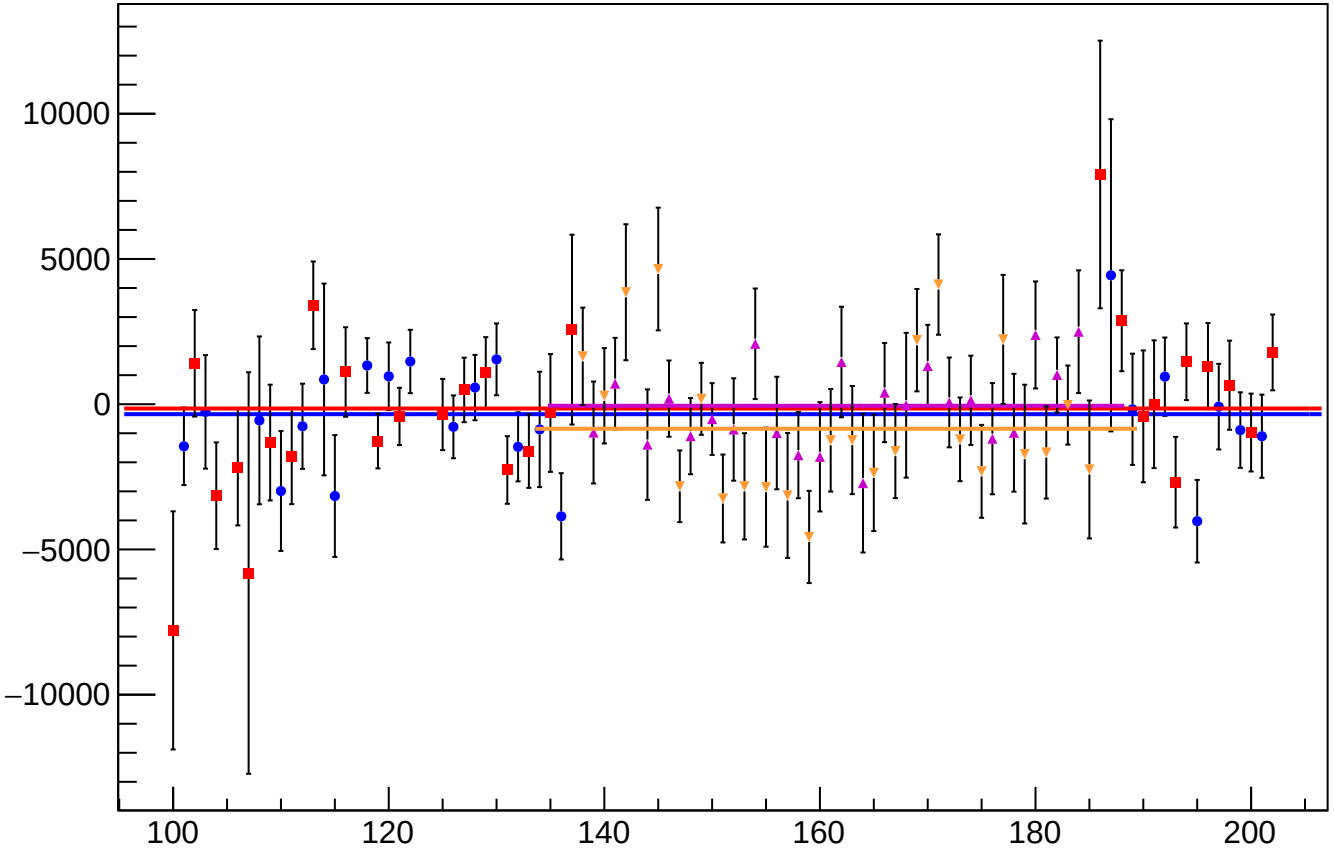
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1102.011+/-0.140 χ^2/NDF: 16663.4/46

All: 1104.135+/-0.098 χ^2/NDF: 37711.1/97

- sign 1106.153+/-0.137 χ^2/NDF: 20599.7/50

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -343.829+/-297.860 χ^2/NDF: 30.2/22

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -147.730+/-286.451 χ^2/NDF: 38.3/27

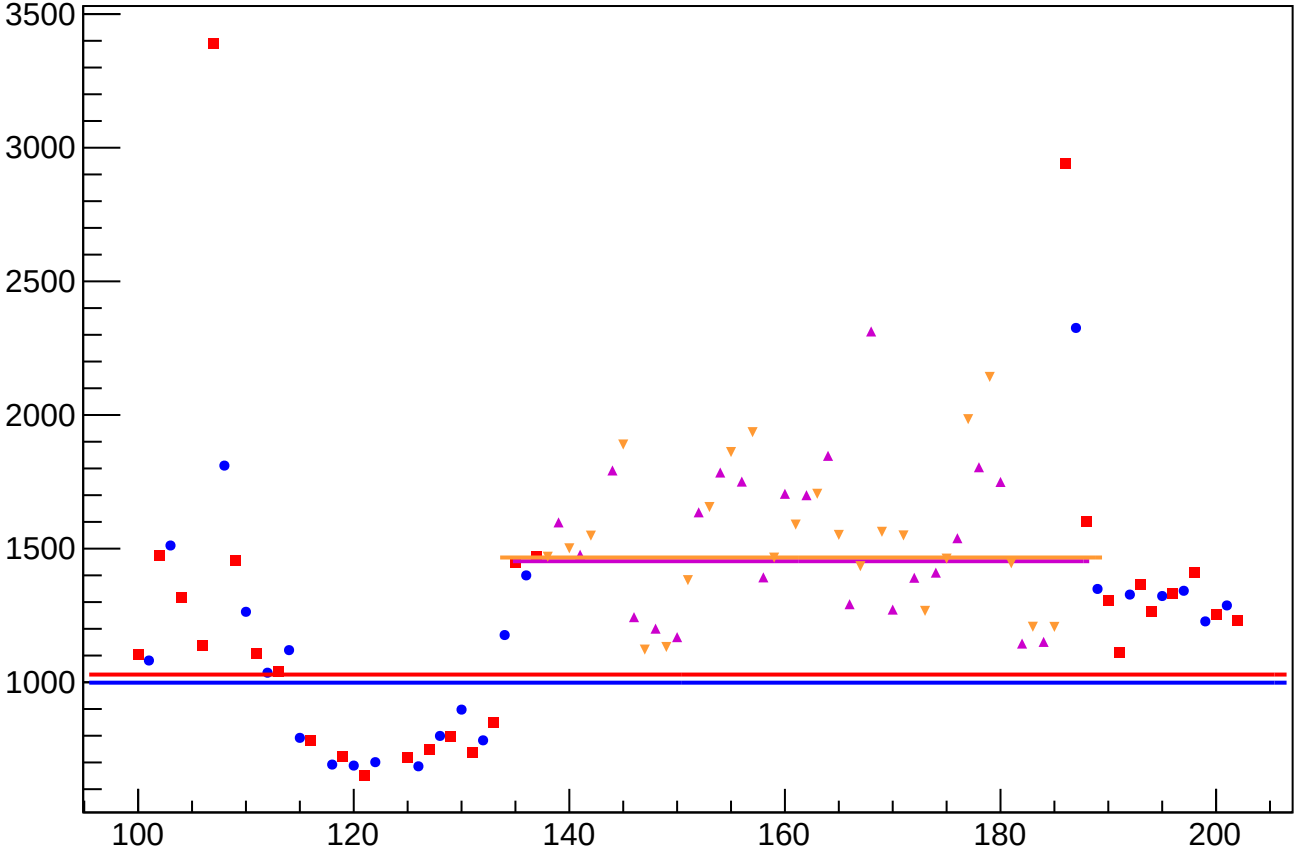
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -556.051+/-226.109 χ^2/NDF: 75.5/46

All: -327.435+/-157.913 χ^2/NDF: 129.0/97

- sign -109.749+/-220.637 χ^2/NDF: 51.4/50

asym_usl_eigen_cor_correction_rms vs Slug



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Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 1028.834+/-0.203 χ^2/NDF: 2736573.9/27

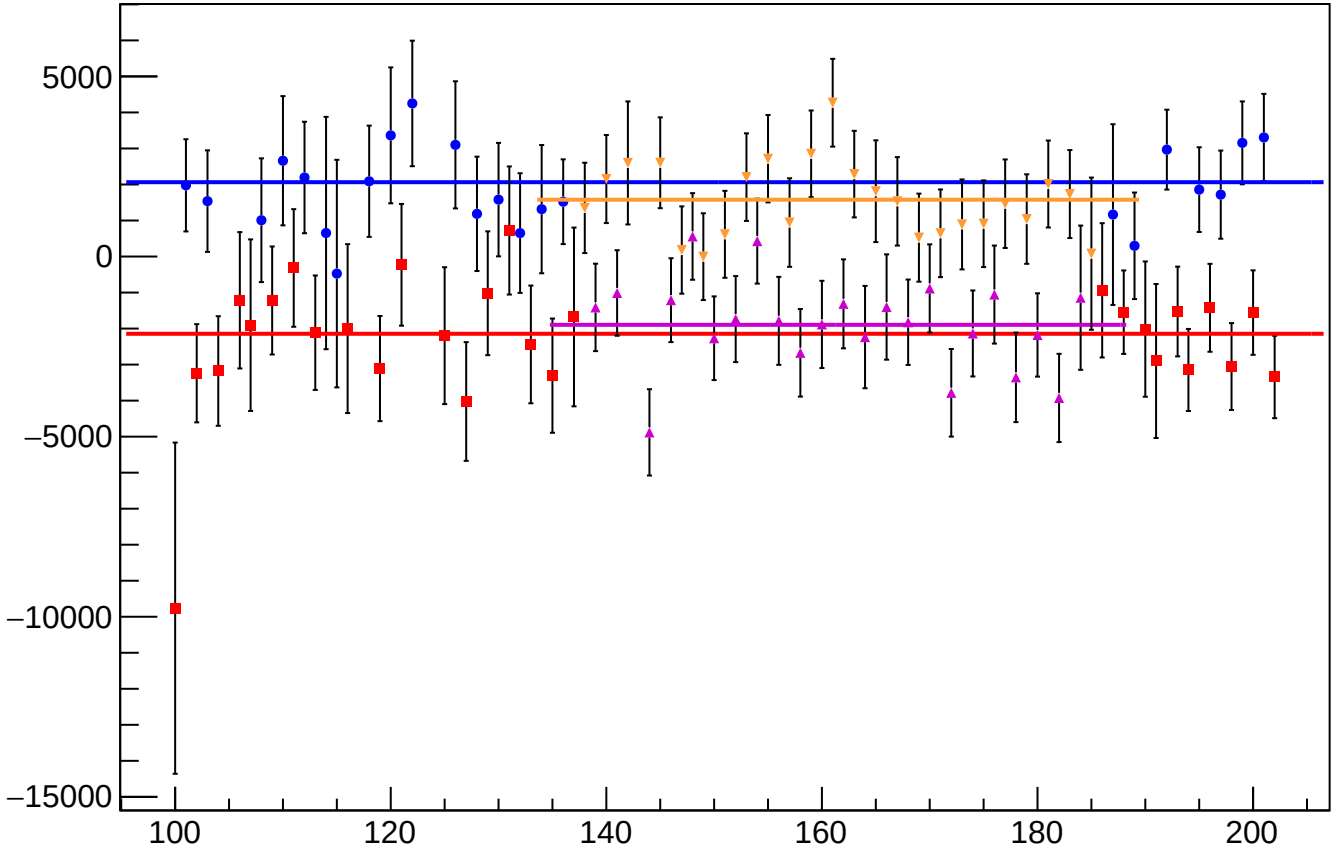
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1196.961+/-0.160 χ^2/NDF: 5137508.4/46

All: 1199.207+/-0.112 χ^2/NDF: 10787508.5/9

- sign 1201.345+/-0.156 χ^2/NDF: 5649615.0/50

dit_asym_usl_mean vs Slug



Right In: 2063.697+/-313.290 χ^2/NDF: 9.7/22

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: -2144.163+/-292.012 χ^2/NDF: 16.5/27

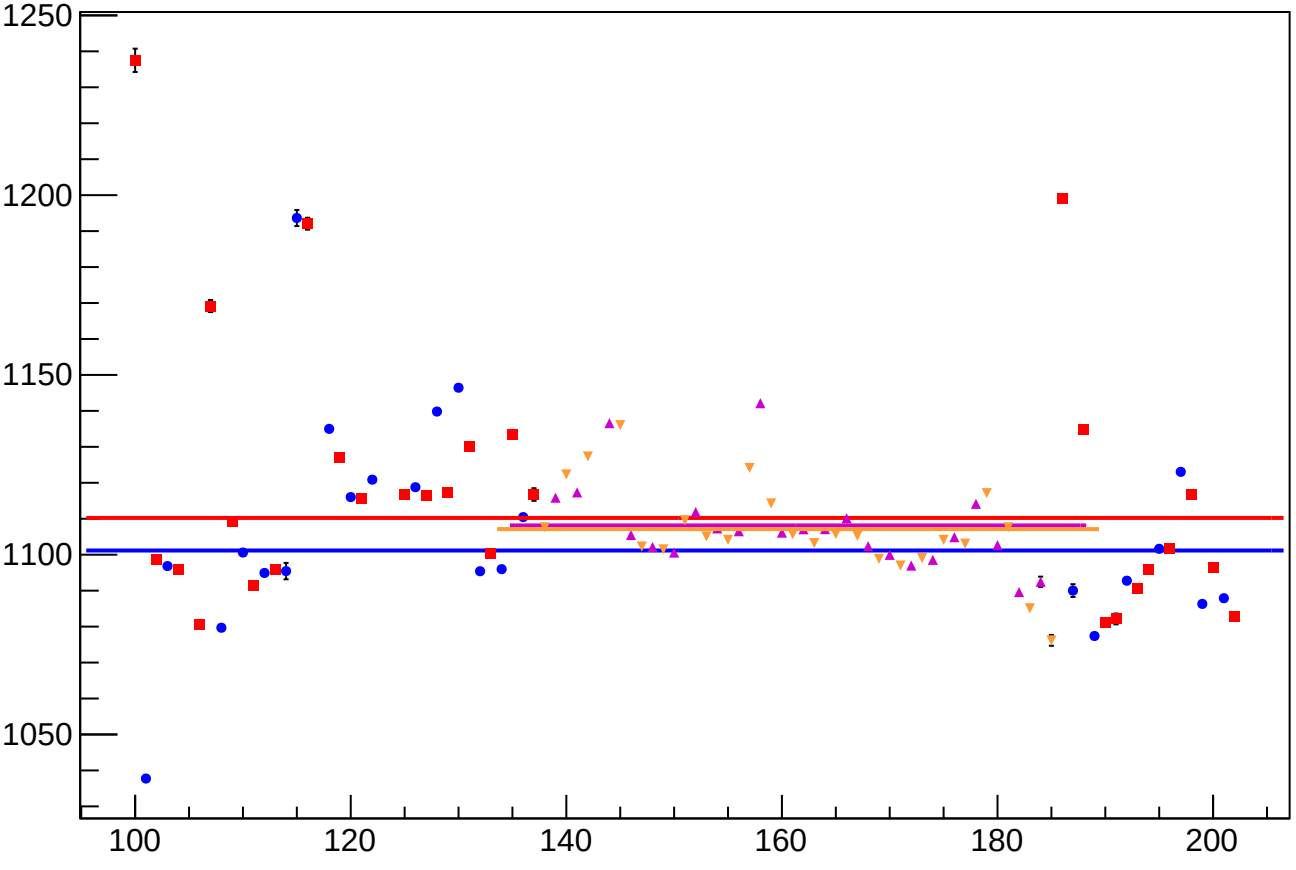
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1773.016+/-198.699 χ^2/NDF: 26.6/46

All: -164.445+/-138.686 χ^2/NDF: 253.0/97

- sign -2004.895+/-193.661 χ^2/NDF: 41.0/50

dit_asym_usl_rms vs Slug



Right In: 1101.168+/-0.222 χ^2/NDF: 13424.0/22

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1110.228+/-0.206 χ^2/NDF: 16227.8/27

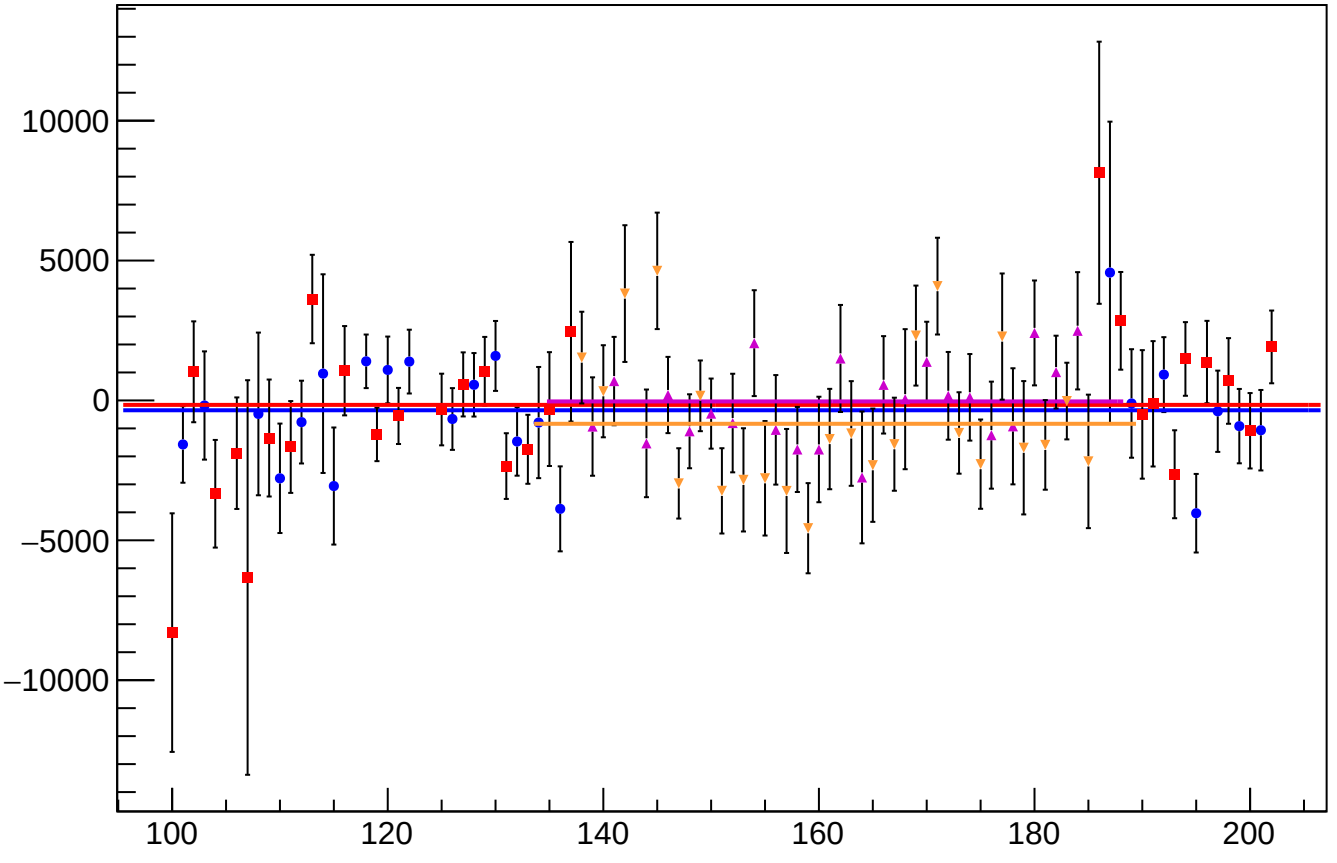
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1104.730+/-0.141 χ^2/NDF: 17640.1/46

All: 1106.951+/-0.098 χ^2/NDF: 38602.9/97

- sign 1109.061+/-0.137 χ^2/NDF: 20475.3/50

asym_usl_dit_correction_mean vs Slug



Right In: -351.860+/-301.646 χ^2/NDF: 29.8/22

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: -159.062+/-289.664 χ^2/NDF: 38.9/27

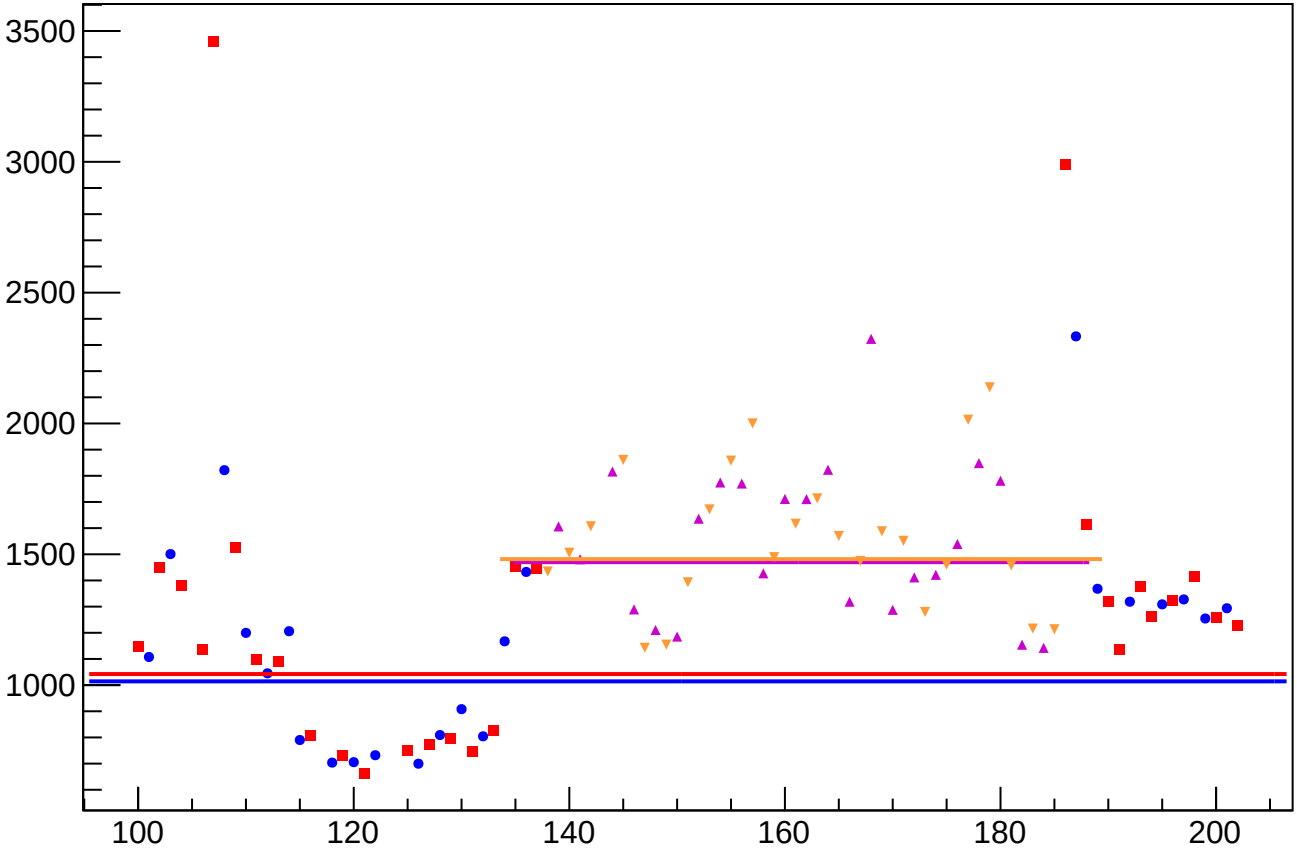
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -557.483+/-228.666 χ^2/NDF: 74.5/46

All: -327.561+/-159.672 χ^2/NDF: 128.6/97

- sign -108.778+/-223.058 χ^2/NDF: 52.1/50

asym_usl_dit_correction_rms vs Slug



Right In: 1014.369+/-0.213 χ^2/NDF: 1880532.8/22

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

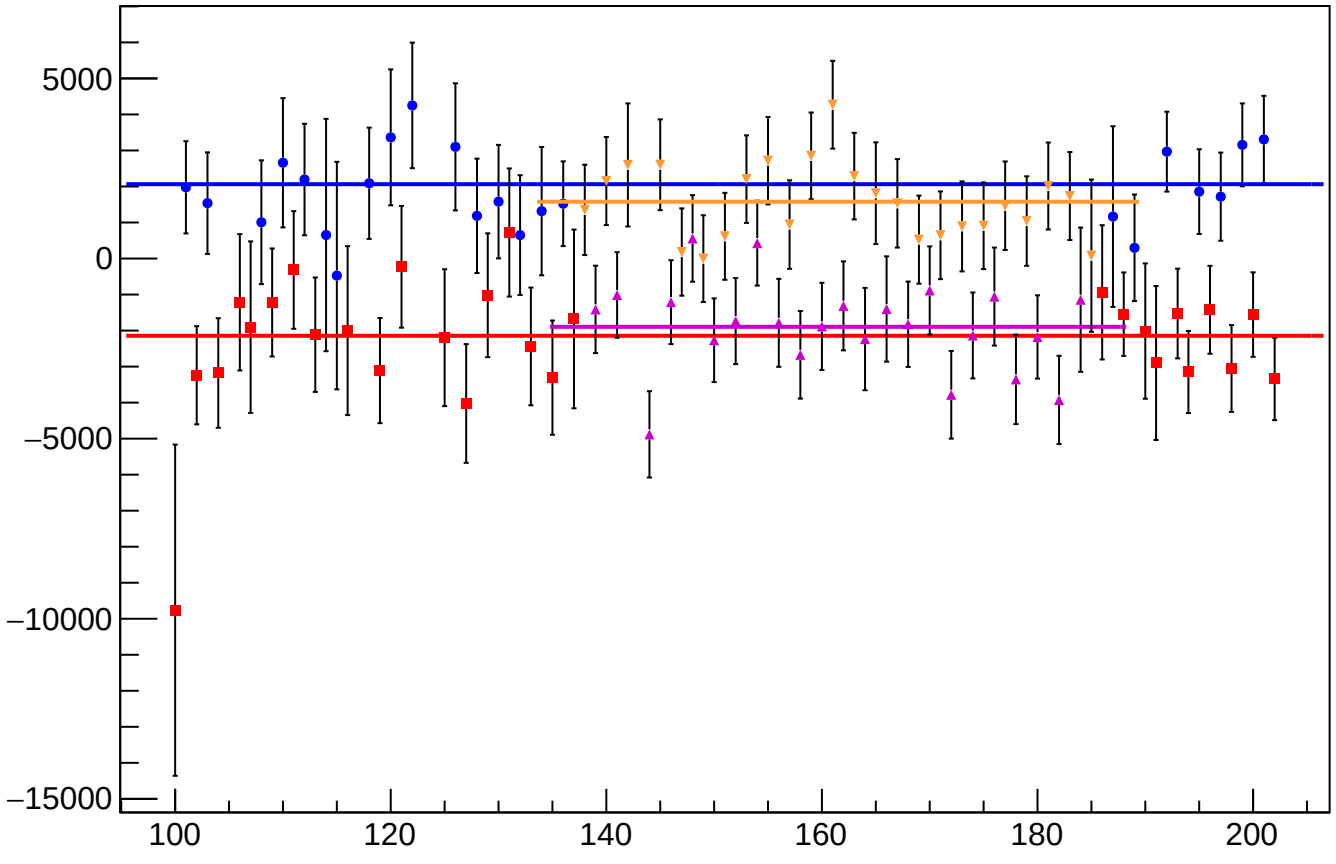
Right Out: 1042.271+/-0.205 χ^2/NDF: 2675116.4/27

Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1213.079+/-0.162 χ^2/NDF: 4938491.1/46

All: 1214.741+/-0.113 χ^2/NDF: 10483038.5/9

- sign 1216.323+/-0.158 χ^2/NDF: 5544341.1/50



Right In: 2063.696+/-313.290 χ^2/NDF: 9.7/22

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: -2144.161+/-292.012 χ^2/NDF: 16.5/27

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+ sign 1773.014+/-198.699 χ^2/NDF: 26.6/46

All: -164.446+/-138.686 χ^2/NDF: 253.0/97

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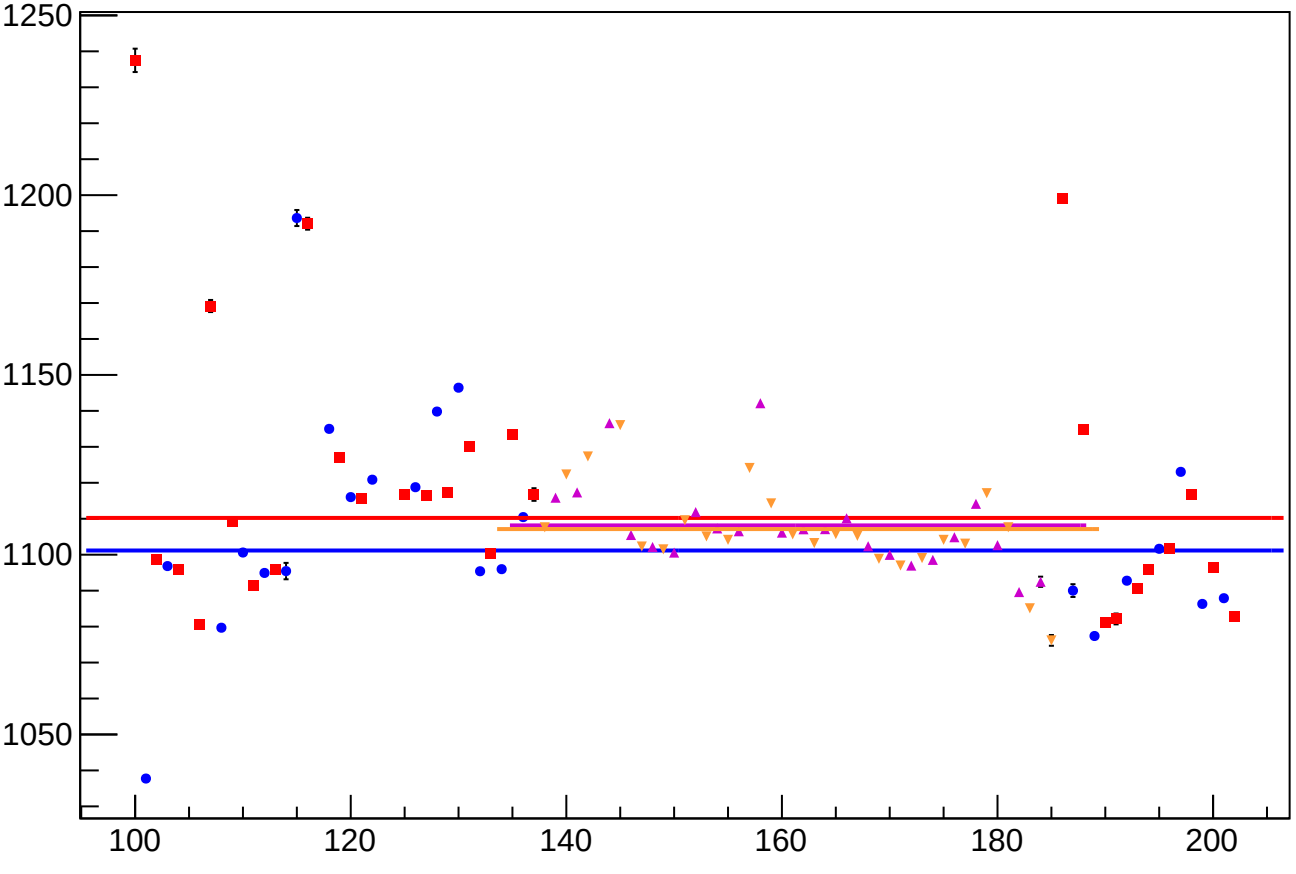
eigen_dit_asym_usl_rms vs Slug



Right In: 1101.168+/-0.222 χ^2/NDF: 13424.0/22

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1110.228+/-0.206 χ^2/NDF: 16227.7/27

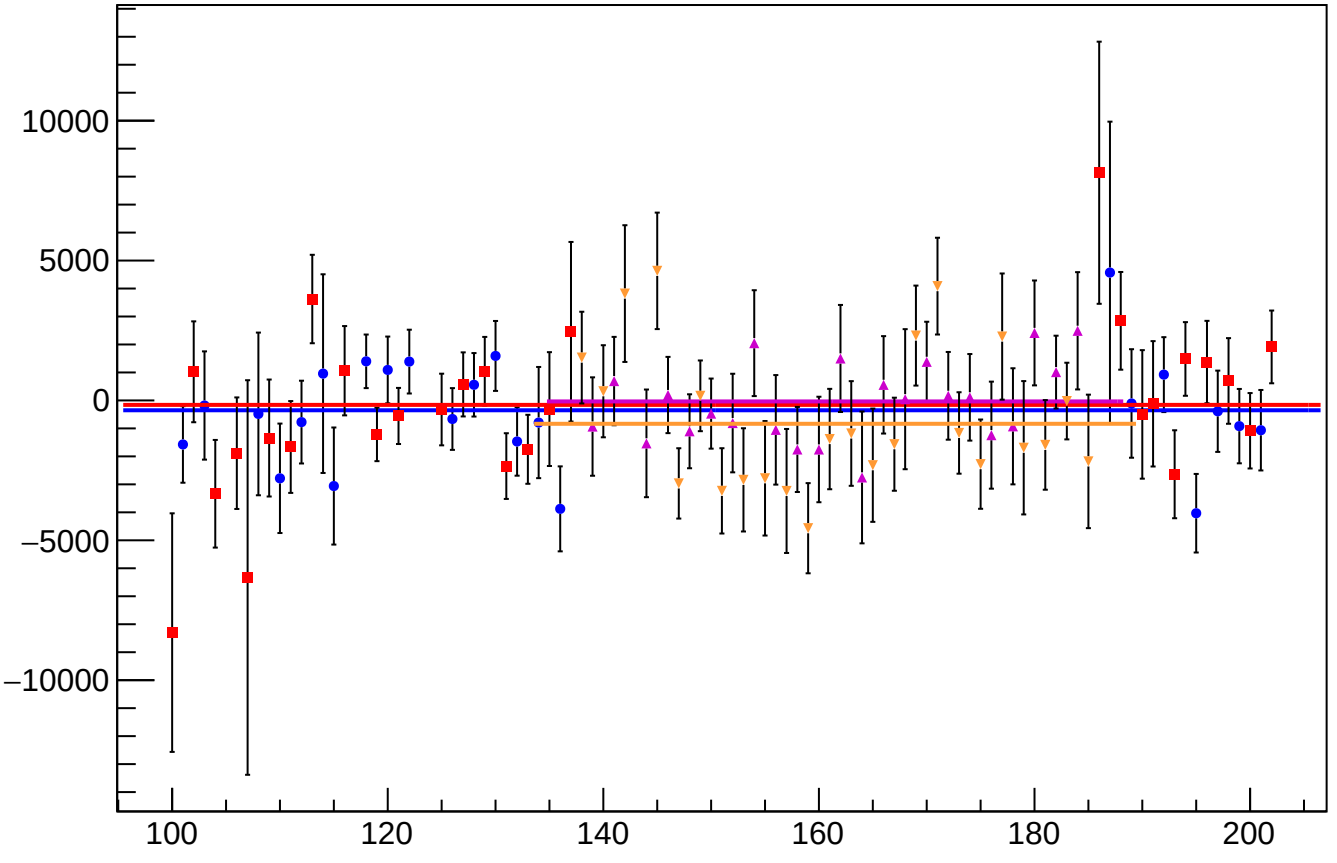
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1104.730+/-0.141 χ^2/NDF: 17640.1/46

All: 1106.951+/-0.098 χ^2/NDF: 38602.9/97

- sign 1109.061+/-0.137 χ^2/NDF: 20475.3/50

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -351.858+/-301.645 χ^2/NDF: 29.8/22

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: -159.063+/-289.664 χ^2/NDF: 38.9/27

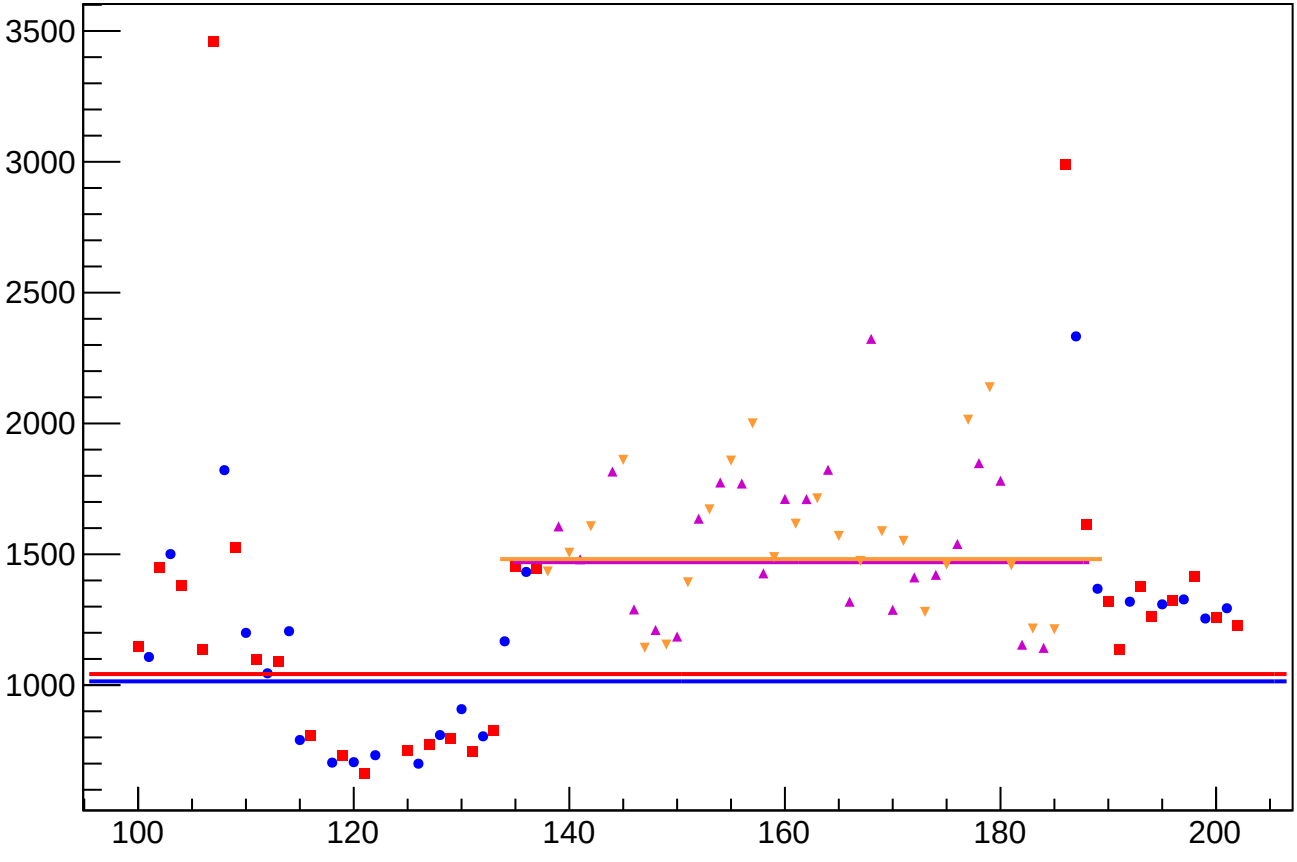
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -557.483+/-228.666 χ^2/NDF: 74.5/46

All: -327.562+/-159.672 χ^2/NDF: 128.6/97

- sign -108.778+/-223.058 χ^2/NDF: 52.1/50

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 1014.367+/-0.213 χ^2/NDF: 1880545.2/22

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 1042.269+/-0.205 χ^2/NDF: 2675130.8/27

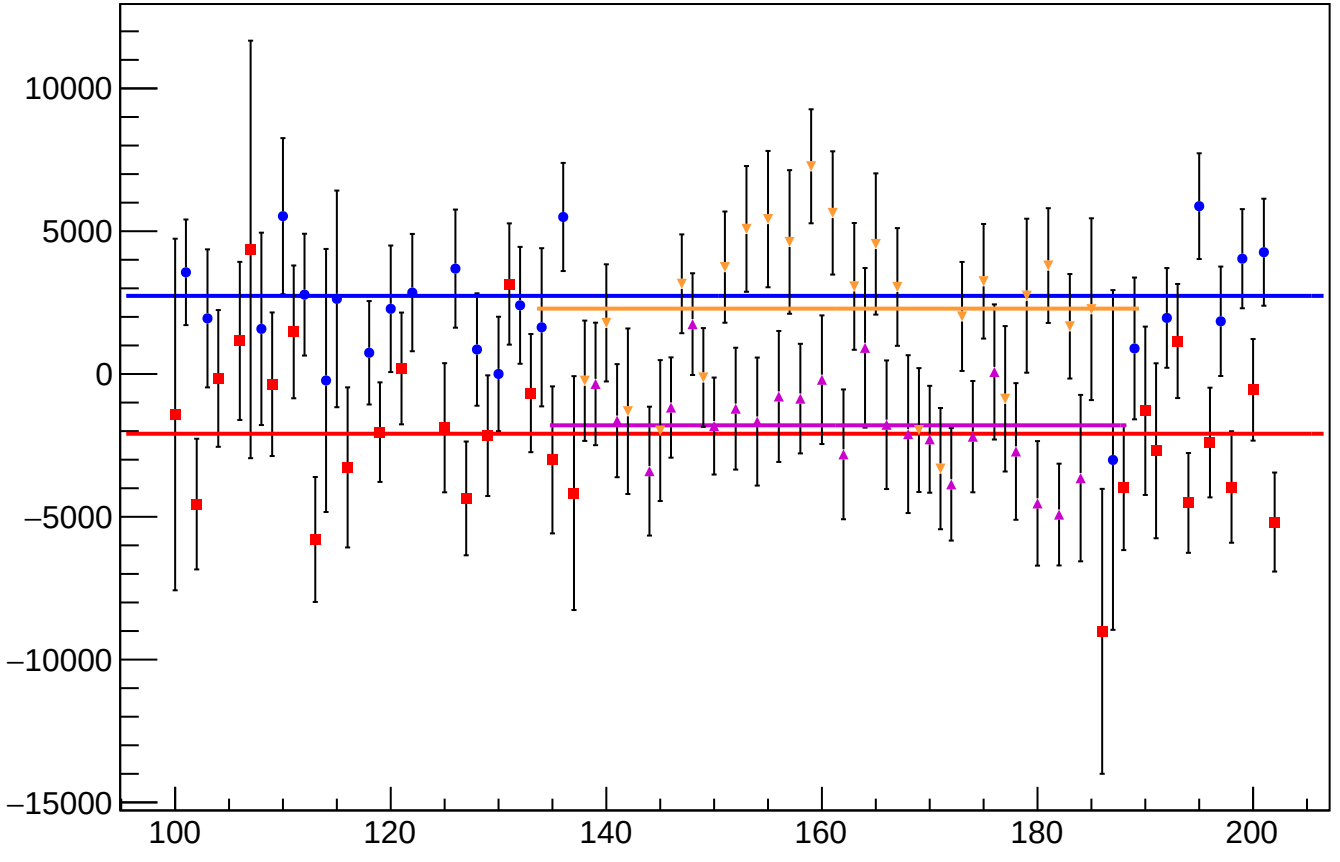
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1213.078+/-0.162 χ^2/NDF: 4938528.7/46

All: 1214.740+/-0.113 χ^2/NDF: 10483115.0/9

- sign 1216.322+/-0.158 χ^2/NDF: 5544380.0/50

asym_usl_mean vs Slug



Right In: 2736.095+/-453.761 χ^2/NDF: 14.4/22

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: -2091.337+/-431.071 χ^2/NDF: 31.7/27

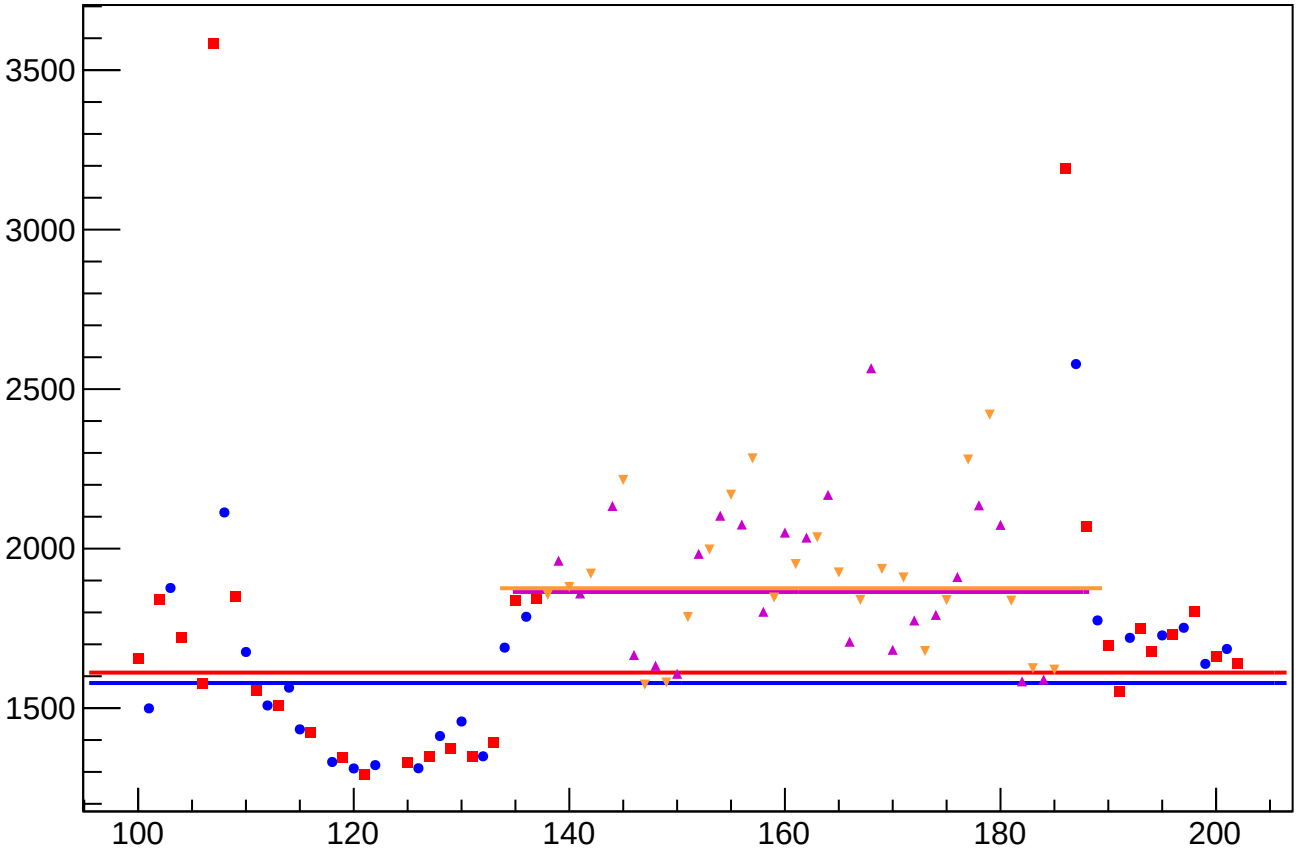
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2505.686+/-315.631 χ^2/NDF: 51.0/46

All: 222.399+/-220.301 χ^2/NDF: 199.2/97

- sign -1946.559+/-307.627 χ^2/NDF: 46.2/50

asym_usl_rms vs Slug



Right In: 1578.768+/-0.321 χ^2/NDF: 417923.2/22

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

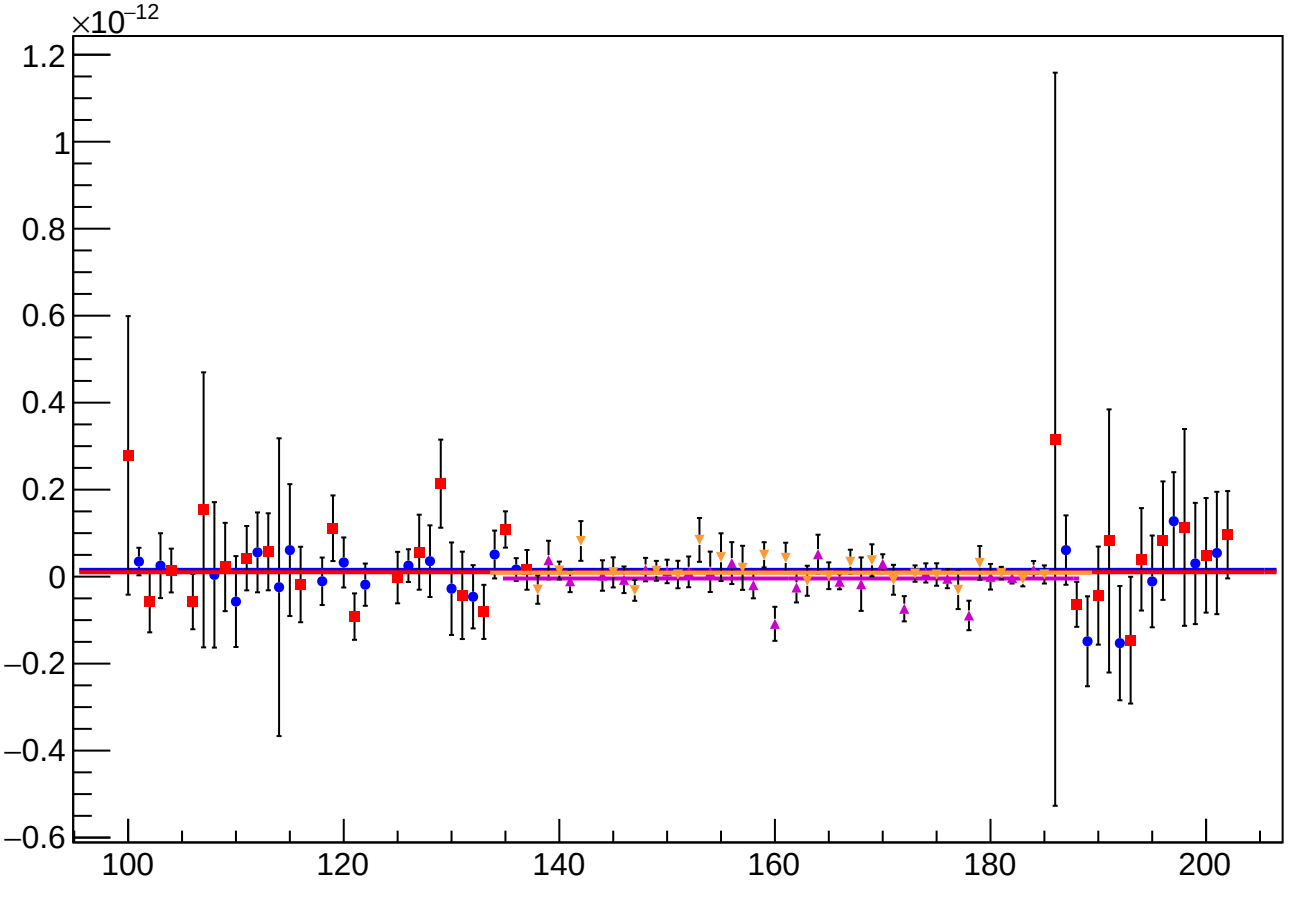
Right Out: 1611.389+/-0.305 χ^2/NDF: 802886.5/27

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1732.093+/-0.223 χ^2/NDF: 1332880.1/46

All: 1733.805+/-0.156 χ^2/NDF: 2983950.5/97

- sign 1735.431+/-0.218 χ^2/NDF: 1650955.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 9.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

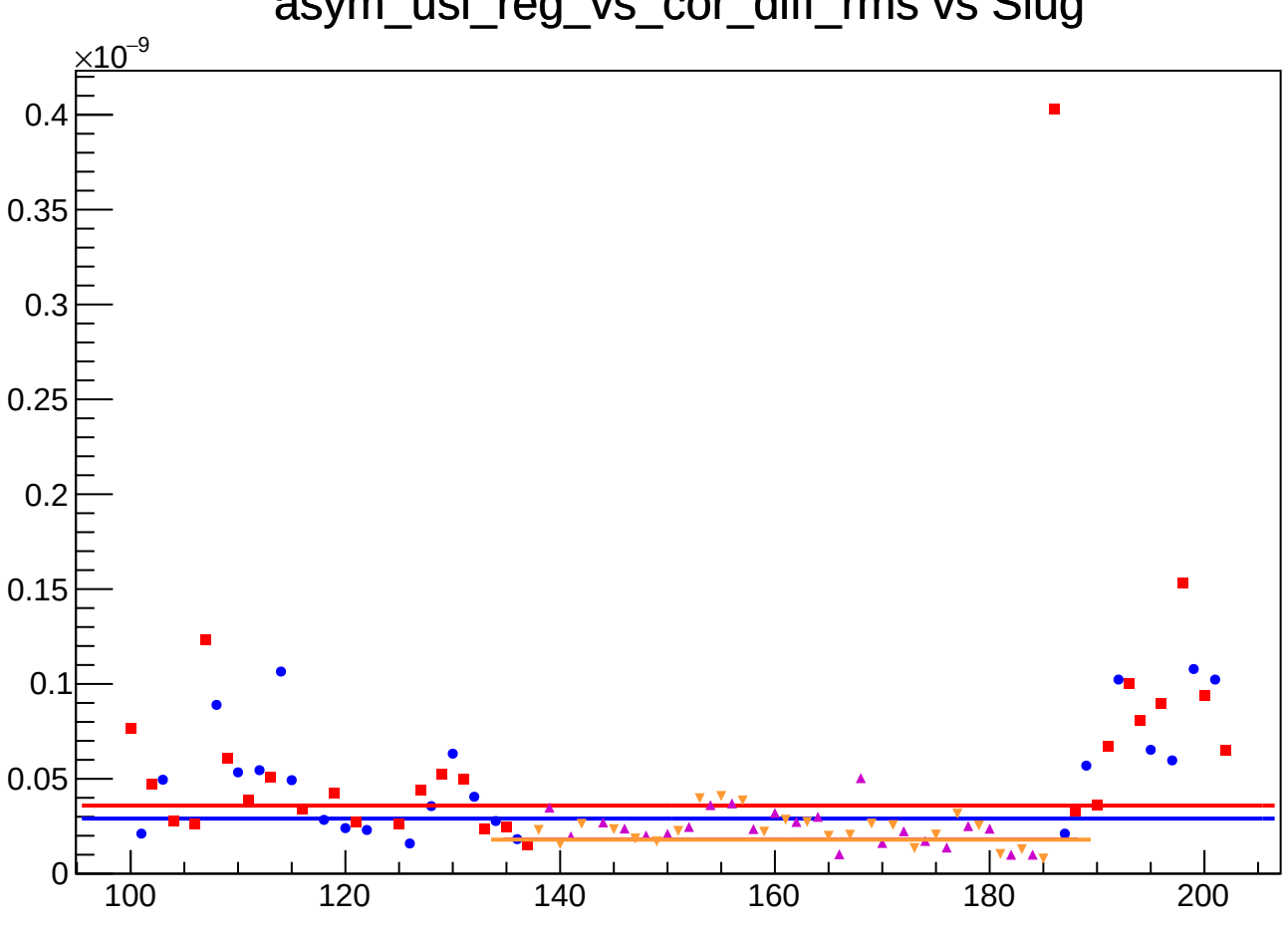
Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/27

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 25.8/46

All: 0.000+/-0.000 χ^2/NDF: 84.2/97

- sign -0.000+/-0.000 χ^2/NDF: 55.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 4193663.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3879508.9/27

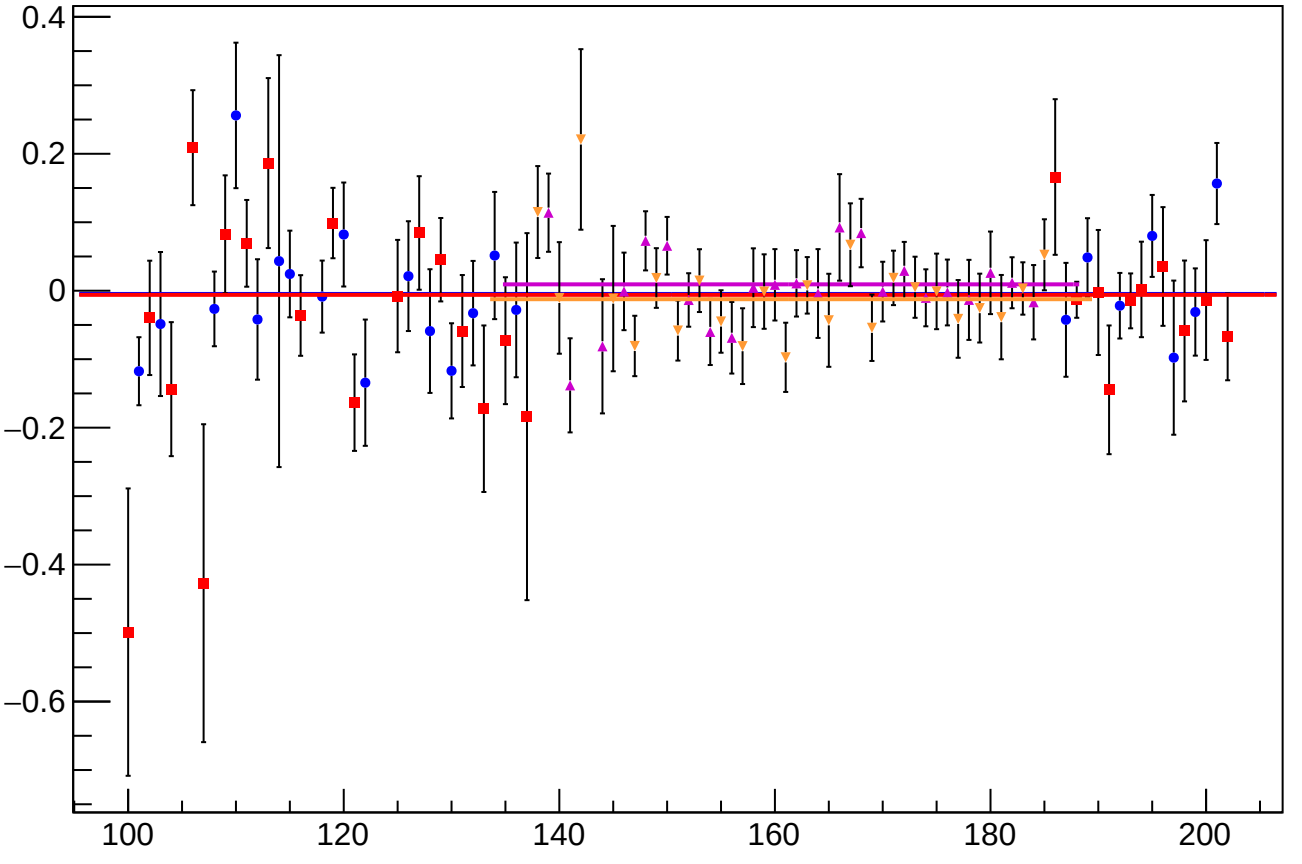
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8944625.1/46

All: 0.000+/-0.000 χ^2/NDF: 19619904.8/97

- sign 0.000+/-0.000 χ^2/NDF: 10660422.3/50

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.015 χ^2/NDF: 30.3/22

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.006+/-0.013 χ^2/NDF: 43.0/27

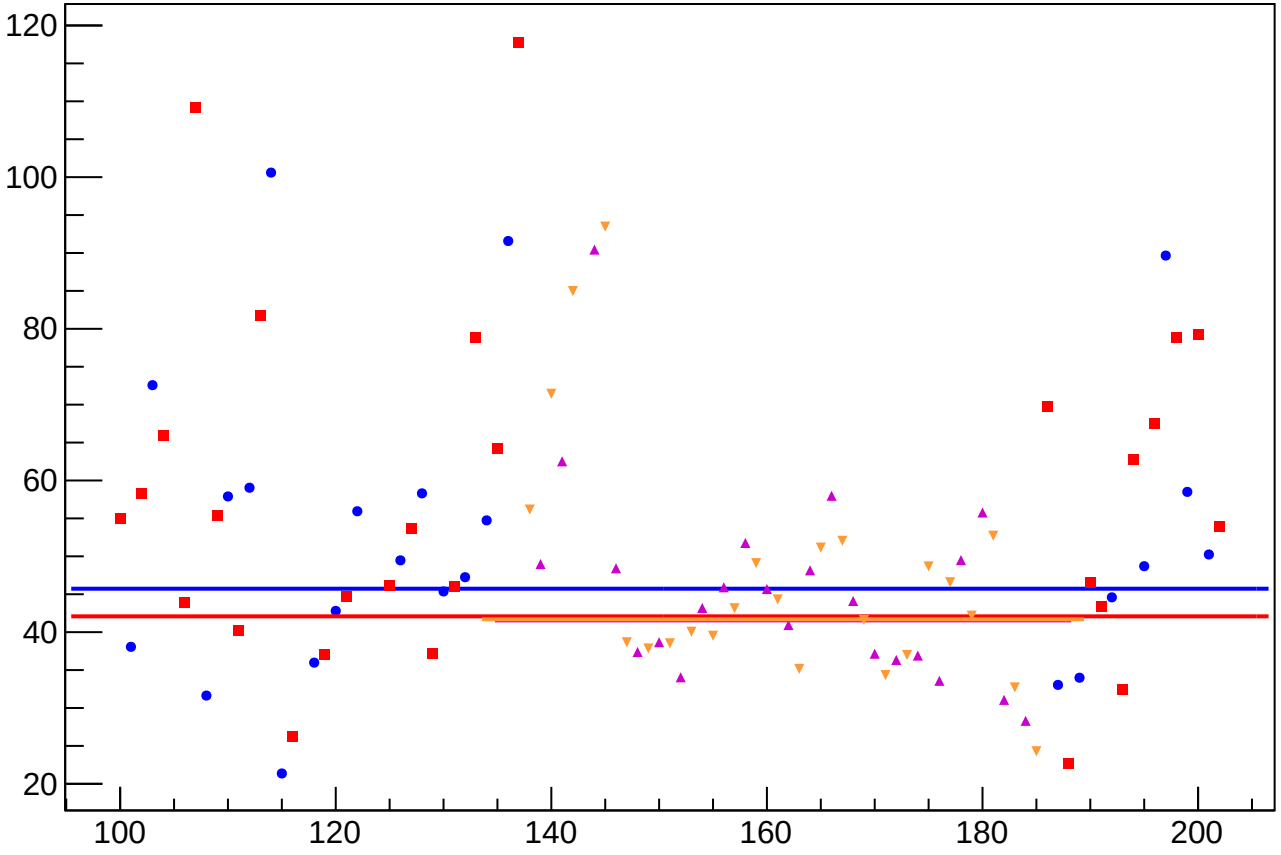
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.010+/-0.009 χ^2/NDF: 52.4/46

All: -0.003+/-0.006 χ^2/NDF: 119.4/97

- sign 0.003+/-0.008 χ^2/NDF: 65.7/50

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 45.729+/-0.010 χ^2/NDF: 1873163.8/22

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 42.086+/-0.009 χ^2/NDF: 3666358.3/27

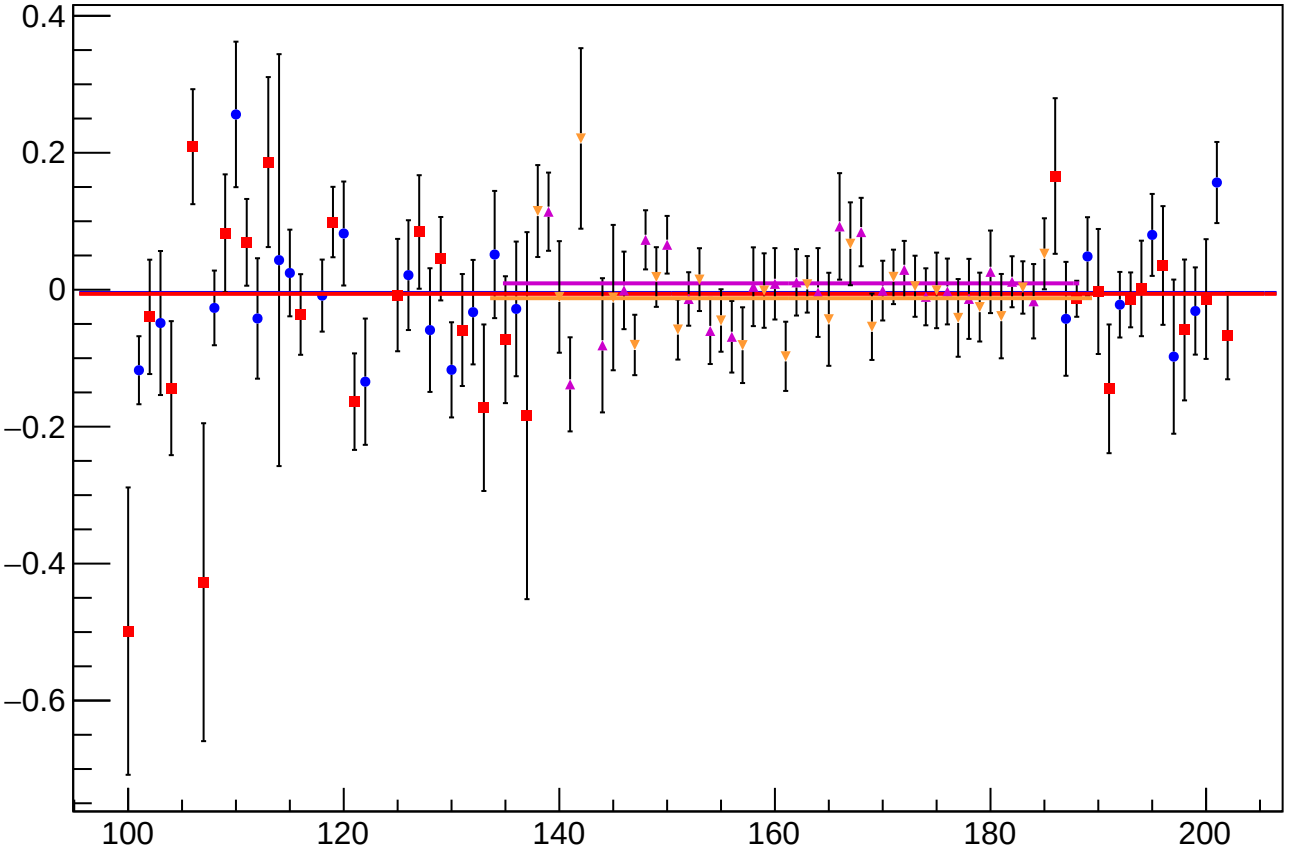
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 43.053+/-0.006 χ^2/NDF: 3794532.0/46

All: 42.378+/-0.004 χ^2/NDF: 9099833.6/97

- sign 41.760+/-0.006 χ^2/NDF: 5281382.0/50

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.015 χ^2/NDF: 30.3/22

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.006+/-0.013 χ^2/NDF: 43.0/27

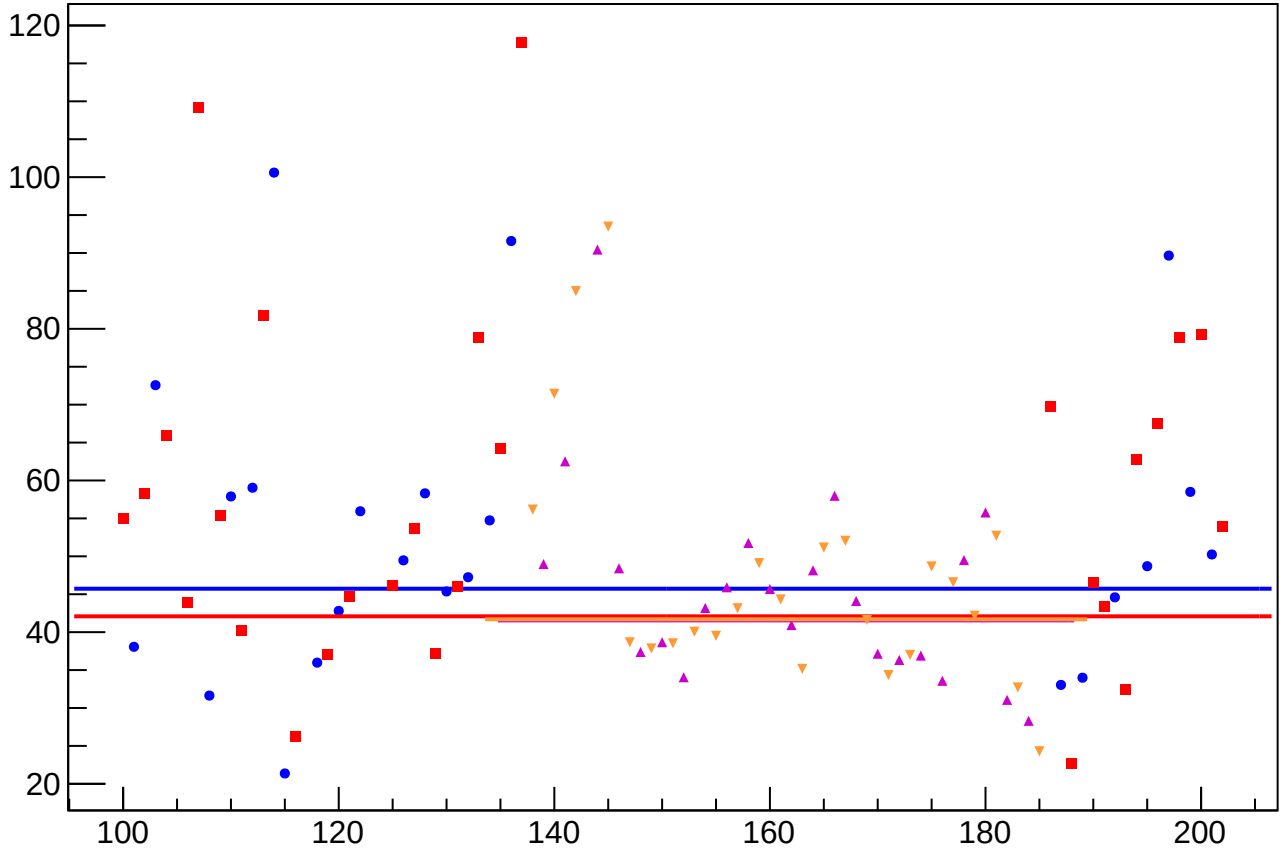
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.010+/-0.009 χ^2/NDF: 52.4/46

All: -0.003+/-0.006 χ^2/NDF: 119.4/97

- sign 0.003+/-0.008 χ^2/NDF: 65.7/50

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.729+/-0.010 χ^2/NDF: 1873163.8/22

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 42.086+/-0.009 χ^2/NDF: 3666358.3/27

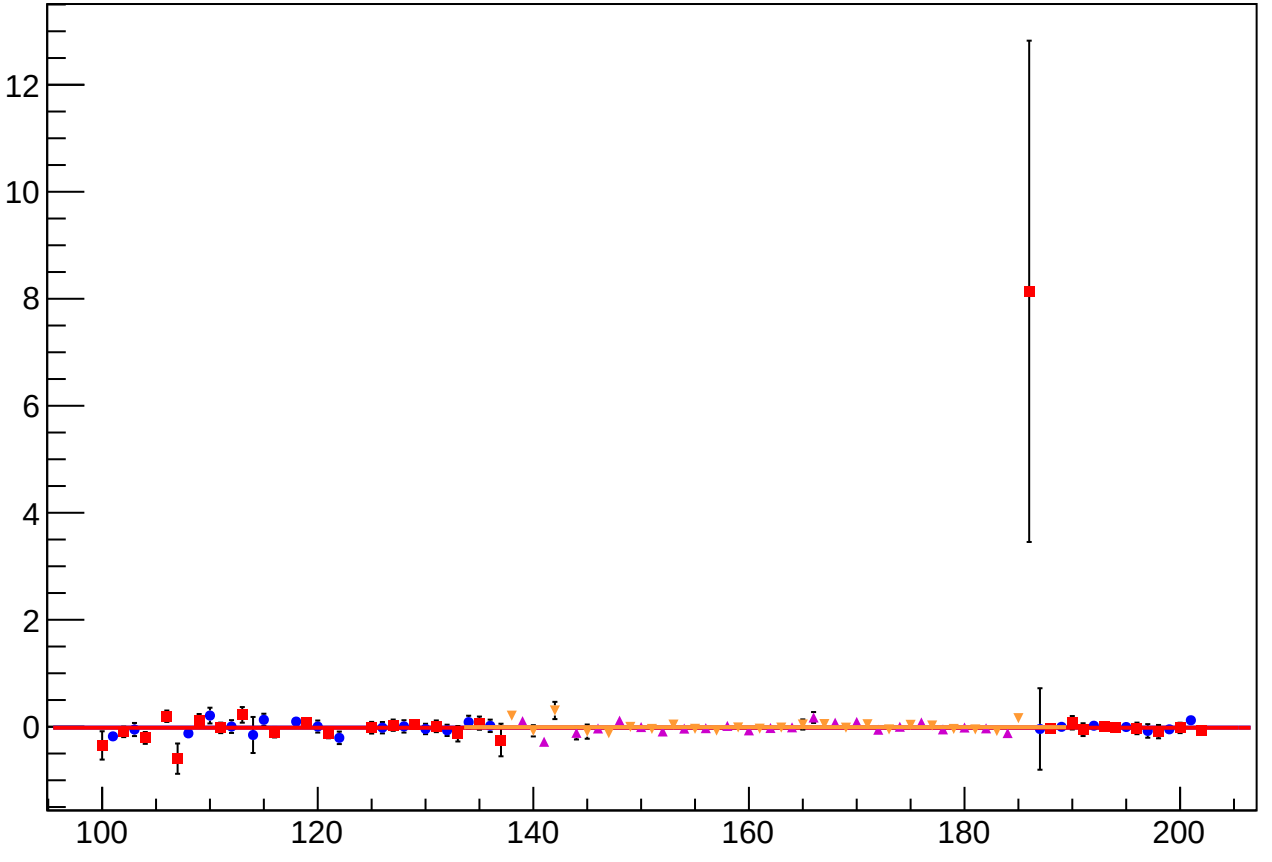
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 43.053+/-0.006 χ^2/NDF: 3794532.0/46

All: 42.378+/-0.004 χ^2/NDF: 9099833.6/97

- sign 41.760+/-0.006 χ^2/NDF: 5281382.0/50

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.015+/-0.020 χ^2/NDF: 22.2/22

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.018+/-0.019 χ^2/NDF: 27.6/27

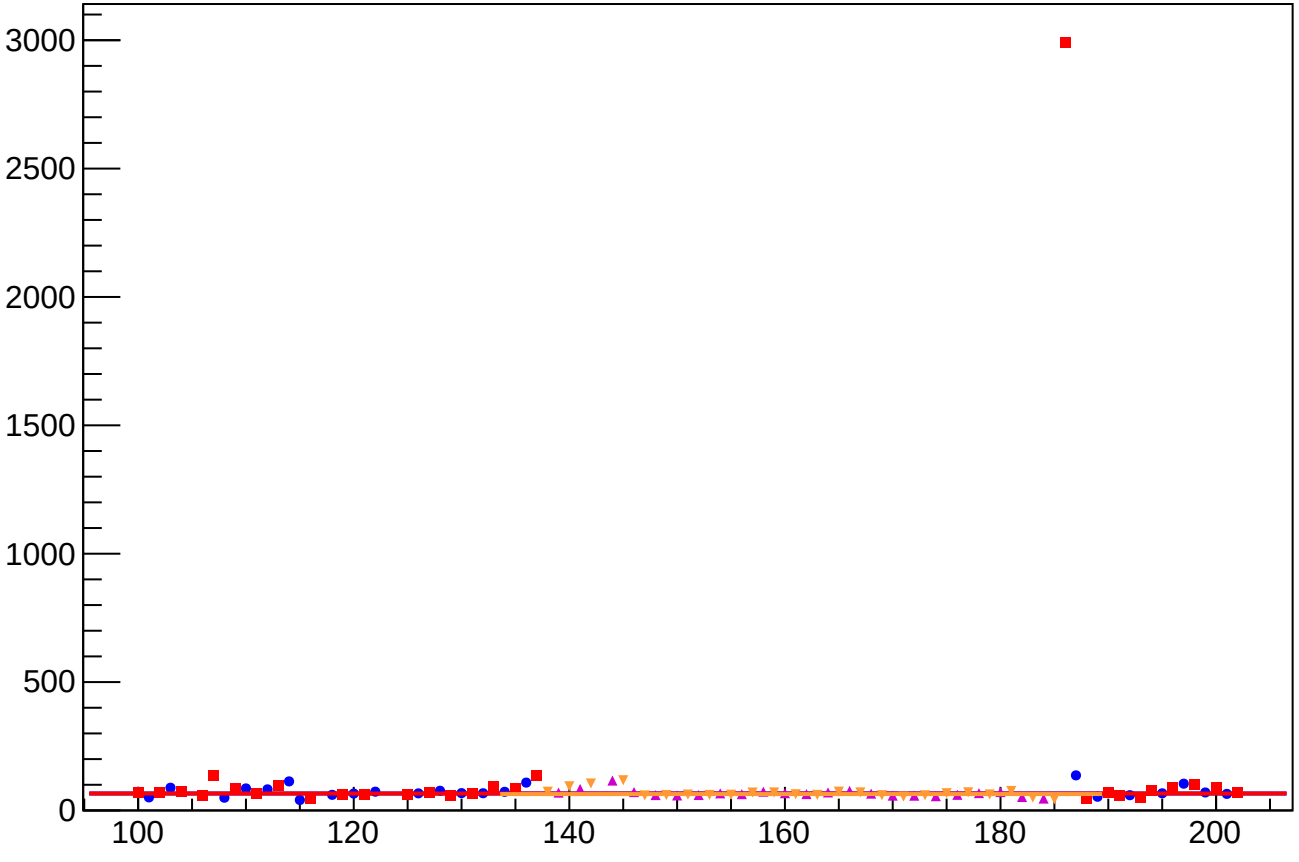
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.010+/-0.012 χ^2/NDF: 46.0/46

All: -0.011+/-0.009 χ^2/NDF: 101.9/97

- sign -0.012+/-0.012 χ^2/NDF: 55.9/50

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.098+/-0.014 χ^2/NDF: 1040816.1/22

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 65.935+/-0.013 χ^2/NDF: 2277494.5/27

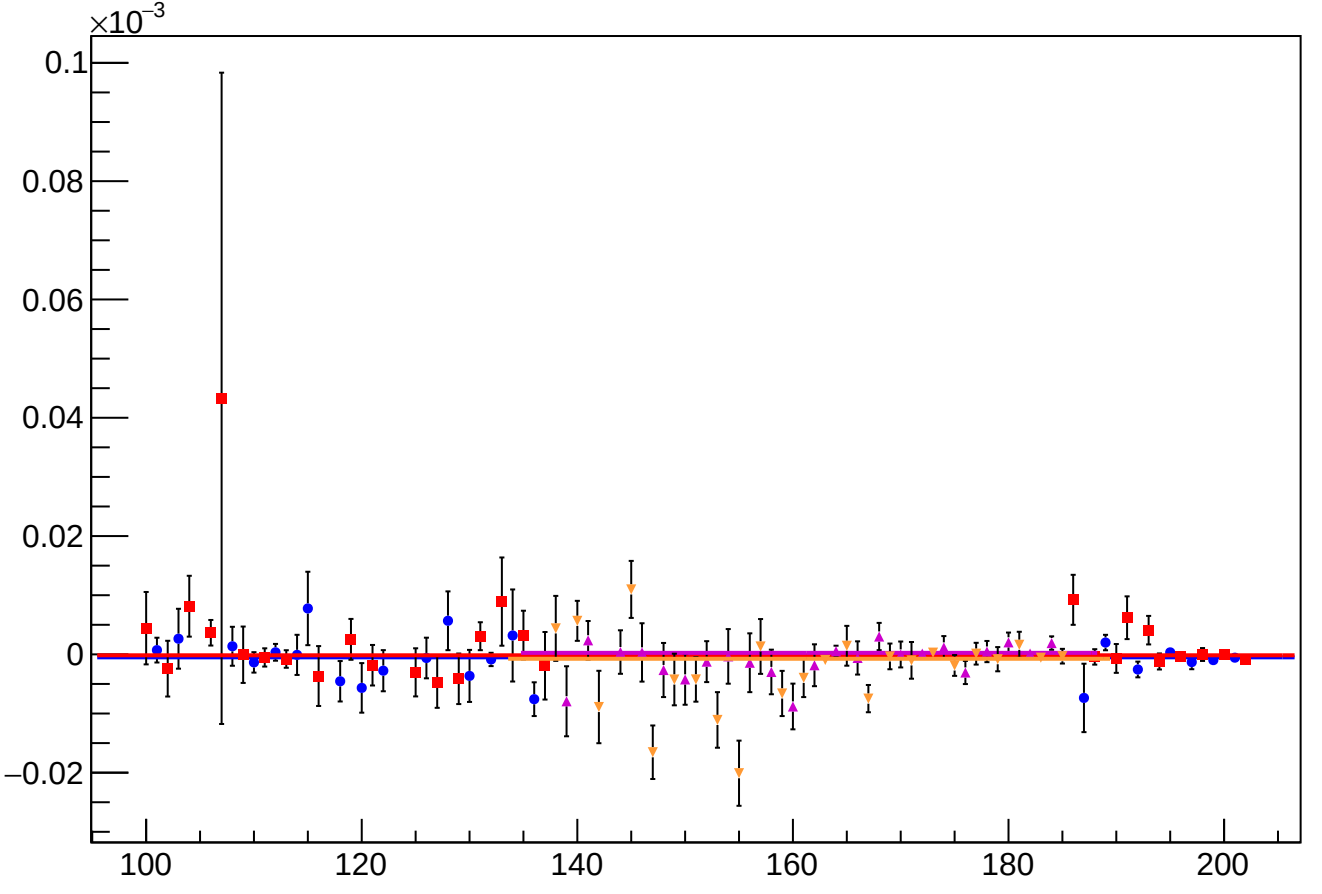
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.625+/-0.009 χ^2/NDF: 2136183.4/46

All: 64.710+/-0.006 χ^2/NDF: 5264601.1/97

- sign 64.791+/-0.009 χ^2/NDF: 3128232.2/50

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/27

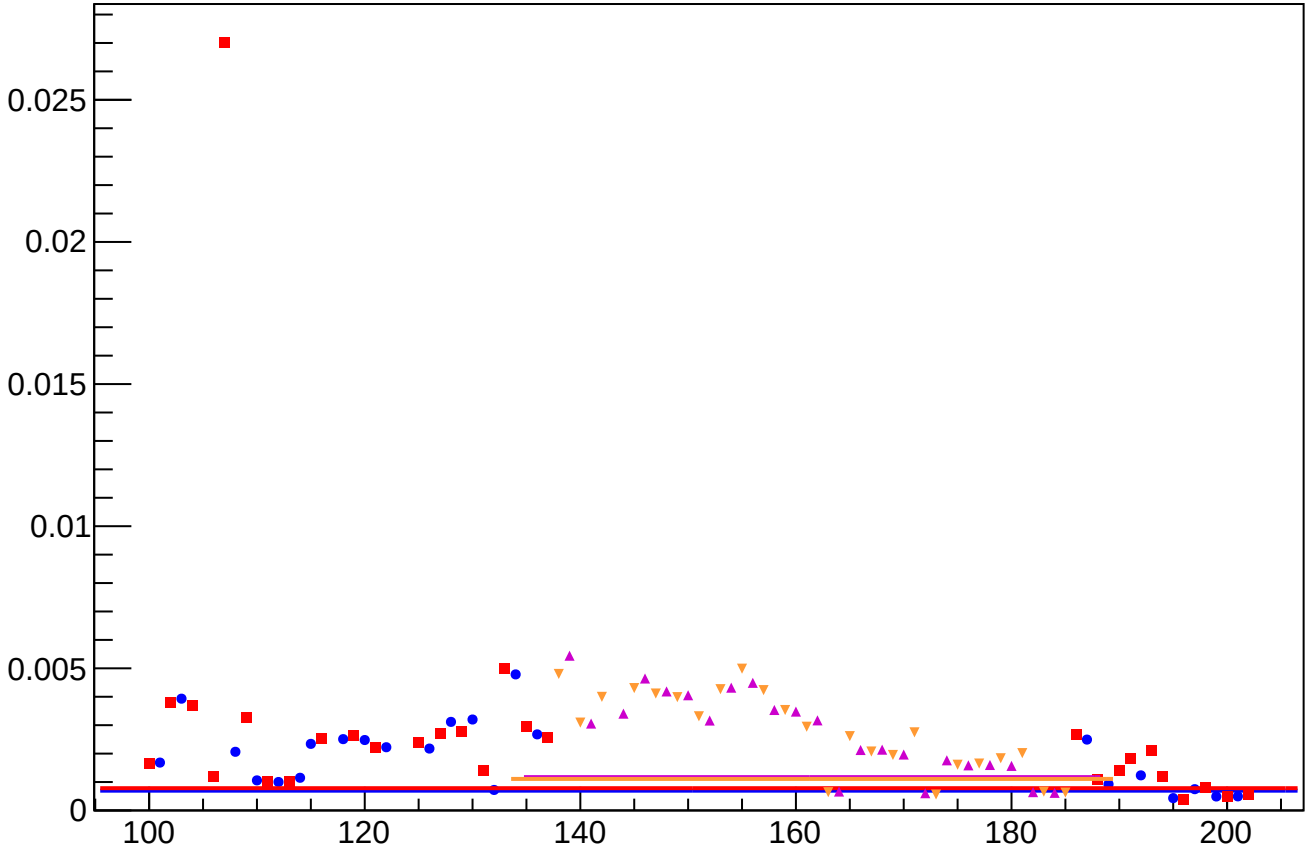
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.1/46

All: -0.000+/-0.000 χ^2/NDF: 138.9/97

- sign -0.000+/-0.000 χ^2/NDF: 48.0/50

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7972310.6/22

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9773559.6/27

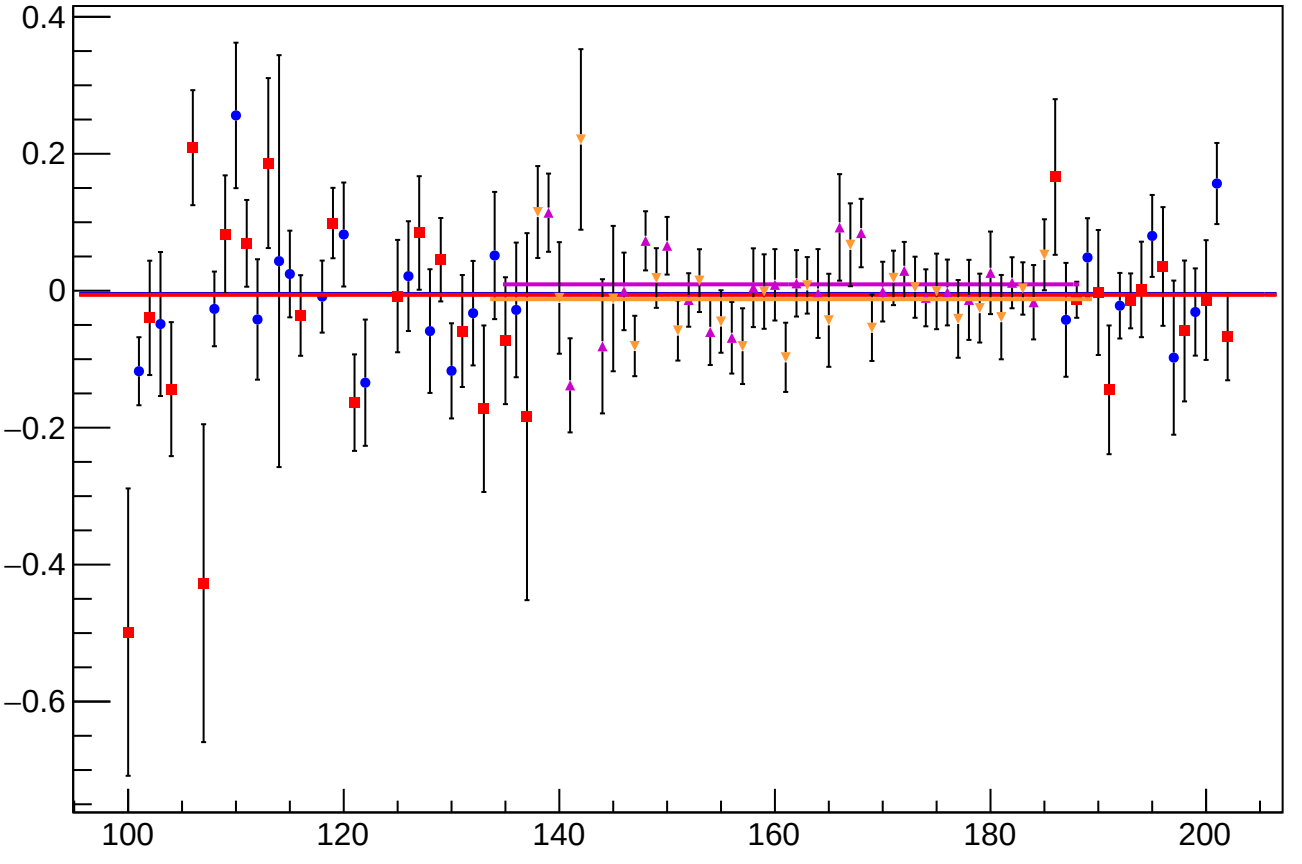
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 25006258.1/46

All: 0.001+/-0.000 χ^2/NDF: 50668376.2/97

- sign 0.001+/-0.000 χ^2/NDF: 25506935.9/50

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.015 χ^2/NDF: 30.3/22

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.006+/-0.013 χ^2/NDF: 43.0/27

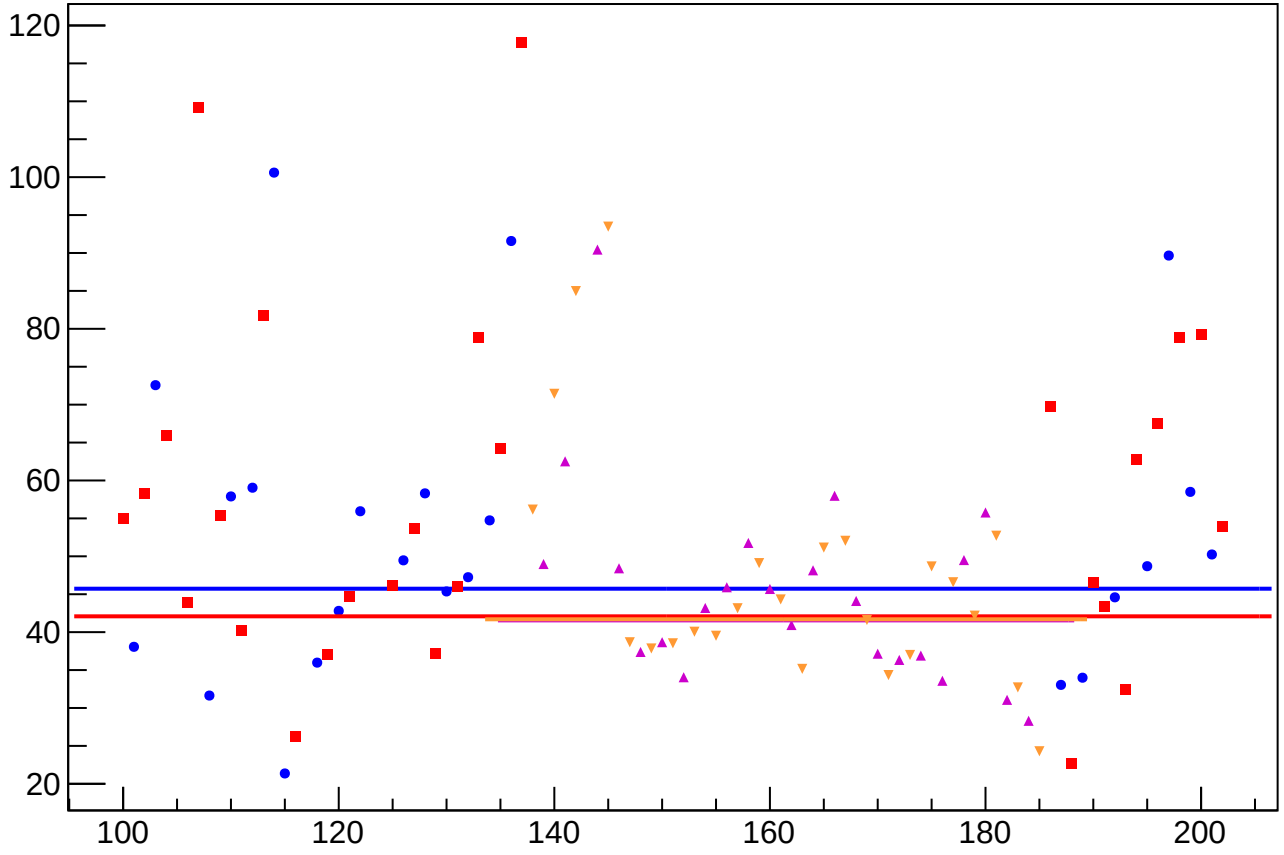
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.010+/-0.009 χ^2/NDF: 52.4/46

All: -0.003+/-0.006 χ^2/NDF: 119.4/97

- sign 0.003+/-0.008 χ^2/NDF: 65.7/50

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.728+/-0.010 χ^2/NDF: 1873245.0/22

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

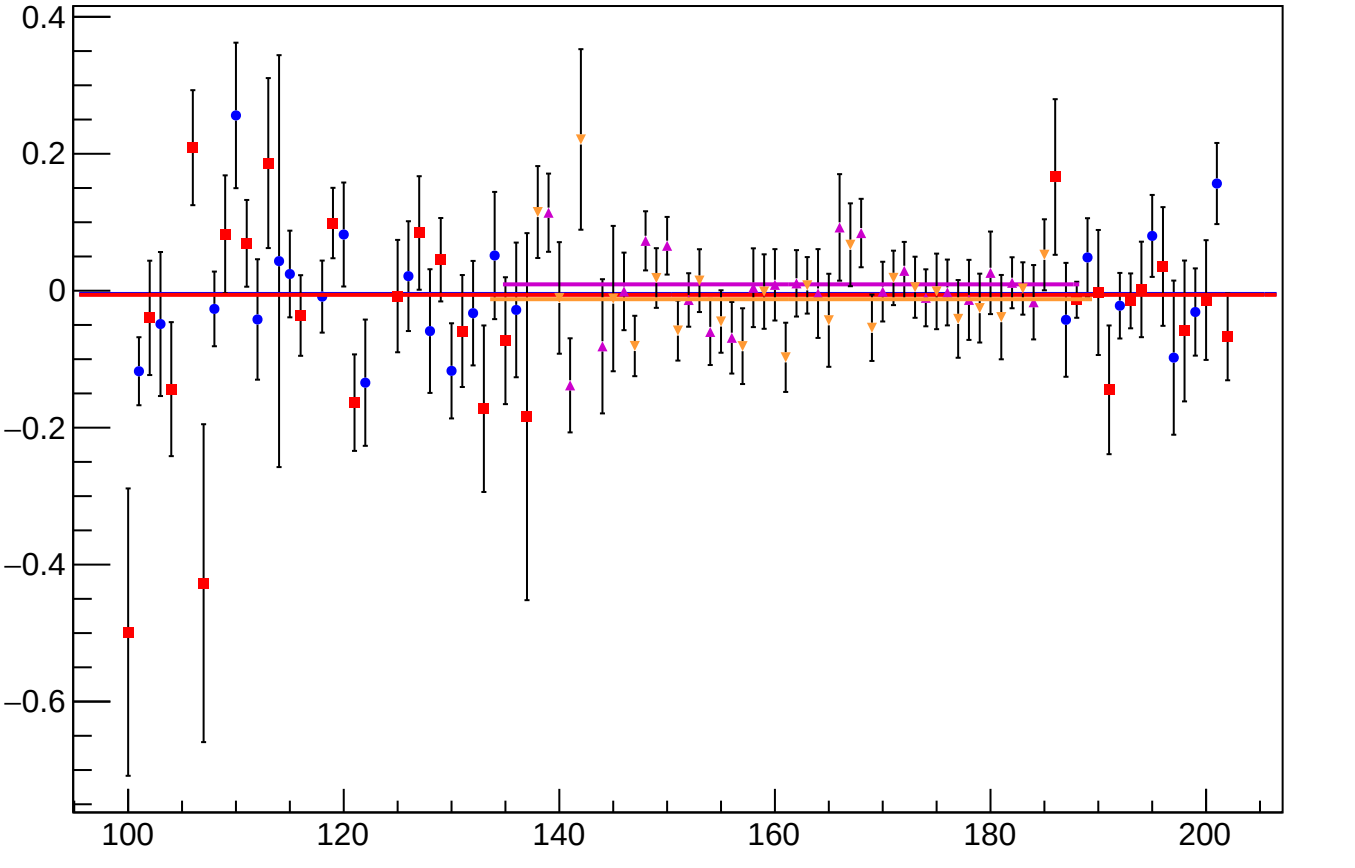
Right Out: 42.086+/-0.009 χ^2/NDF: 3666169.2/27

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

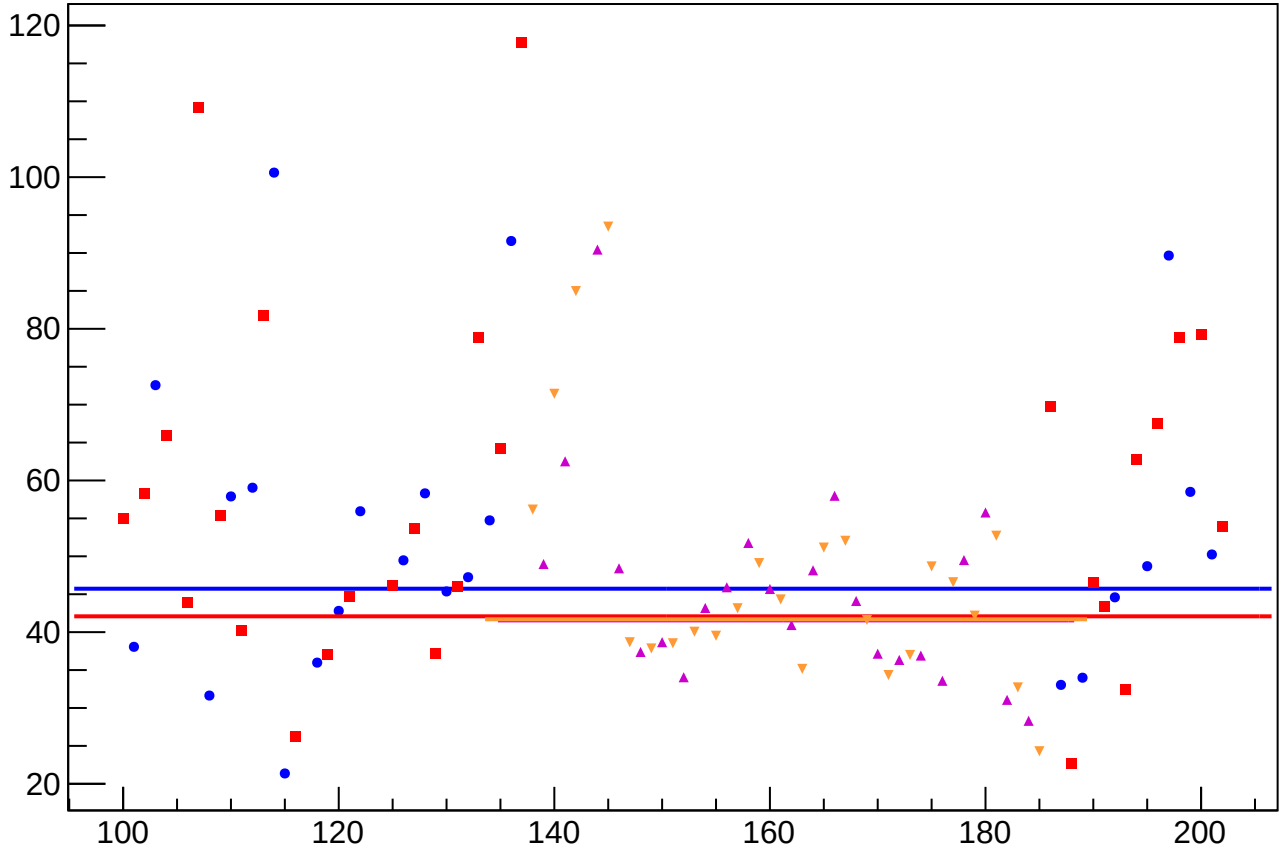
+ sign 43.053+/-0.006 χ^2/NDF: 3794541.8/46

All: 42.378+/-0.004 χ^2/NDF: 9099602.5/97

- sign 41.760+/-0.006 χ^2/NDF: 5281153.0/50


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.005+/-0.015 χ²/NDF: 30.3/22
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: -0.006+/-0.013 χ²/NDF: 43.0/27
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.010+/-0.009 χ²/NDF: 52.4/46
All: -0.003+/-0.006 χ²/NDF: 119.4/97
- sign 0.003+/-0.008 χ²/NDF: 65.7/50

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.728+/-0.010 χ^2/NDF: 1873245.0/22

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 42.086+/-0.009 χ^2/NDF: 3666169.2/27

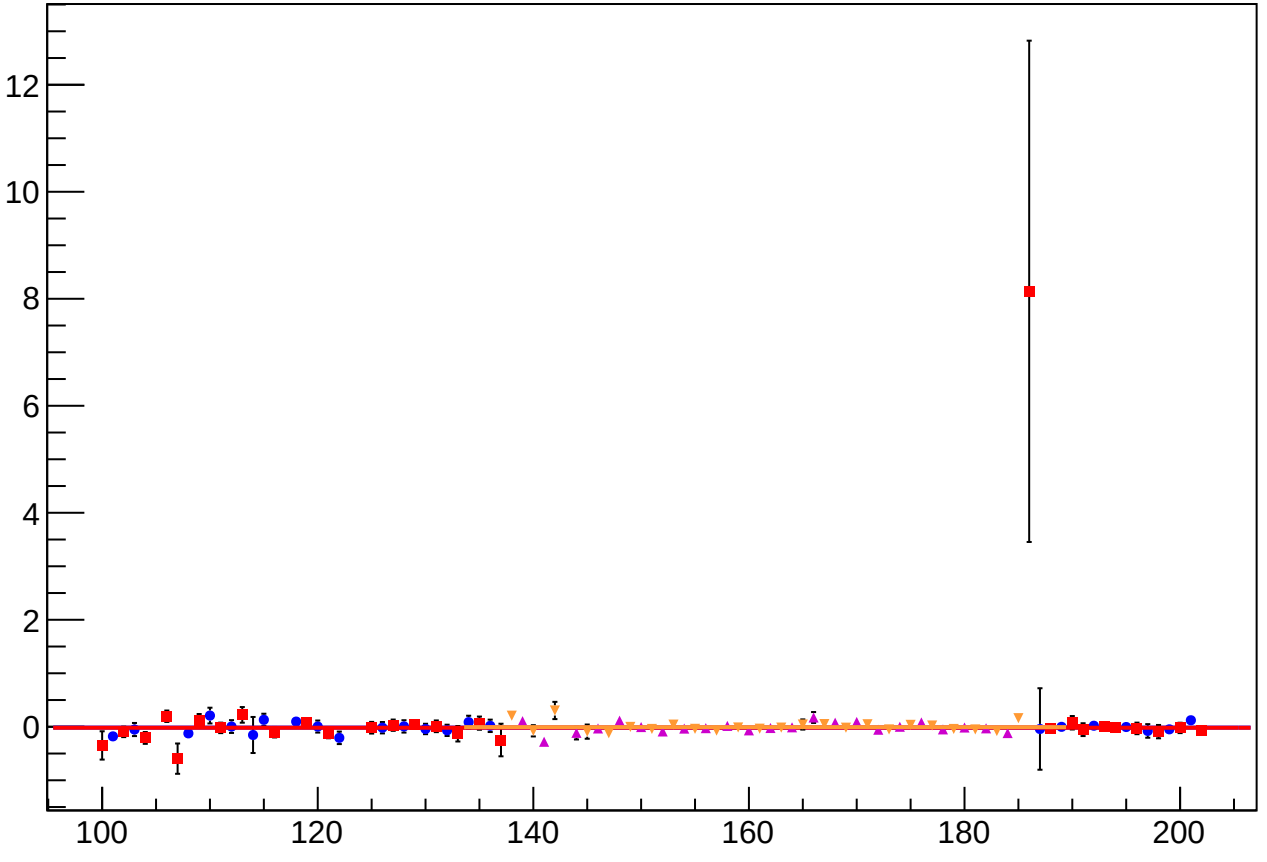
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 43.053+/-0.006 χ^2/NDF: 3794541.8/46

All: 42.378+/-0.004 χ^2/NDF: 9099602.5/97

- sign 41.760+/-0.006 χ^2/NDF: 5281153.0/50

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.015+/-0.020 χ^2/NDF: 22.2/22

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.018+/-0.019 χ^2/NDF: 27.6/27

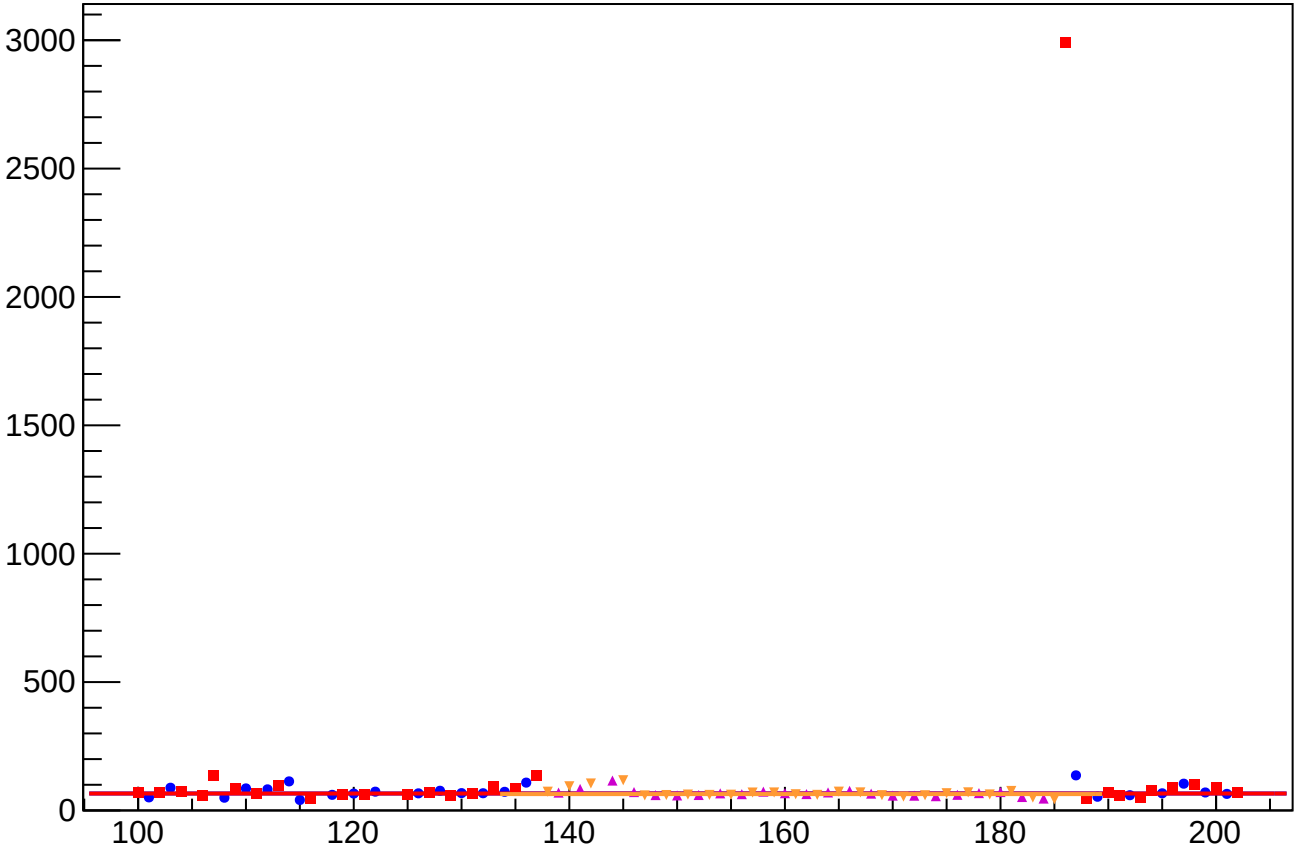
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.010+/-0.012 χ^2/NDF: 46.0/46

All: -0.011+/-0.009 χ^2/NDF: 101.9/97

- sign -0.012+/-0.012 χ^2/NDF: 55.9/50

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.098+/-0.014 χ^2/NDF: 1040829.0/22

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 65.935+/-0.013 χ^2/NDF: 2277479.3/27

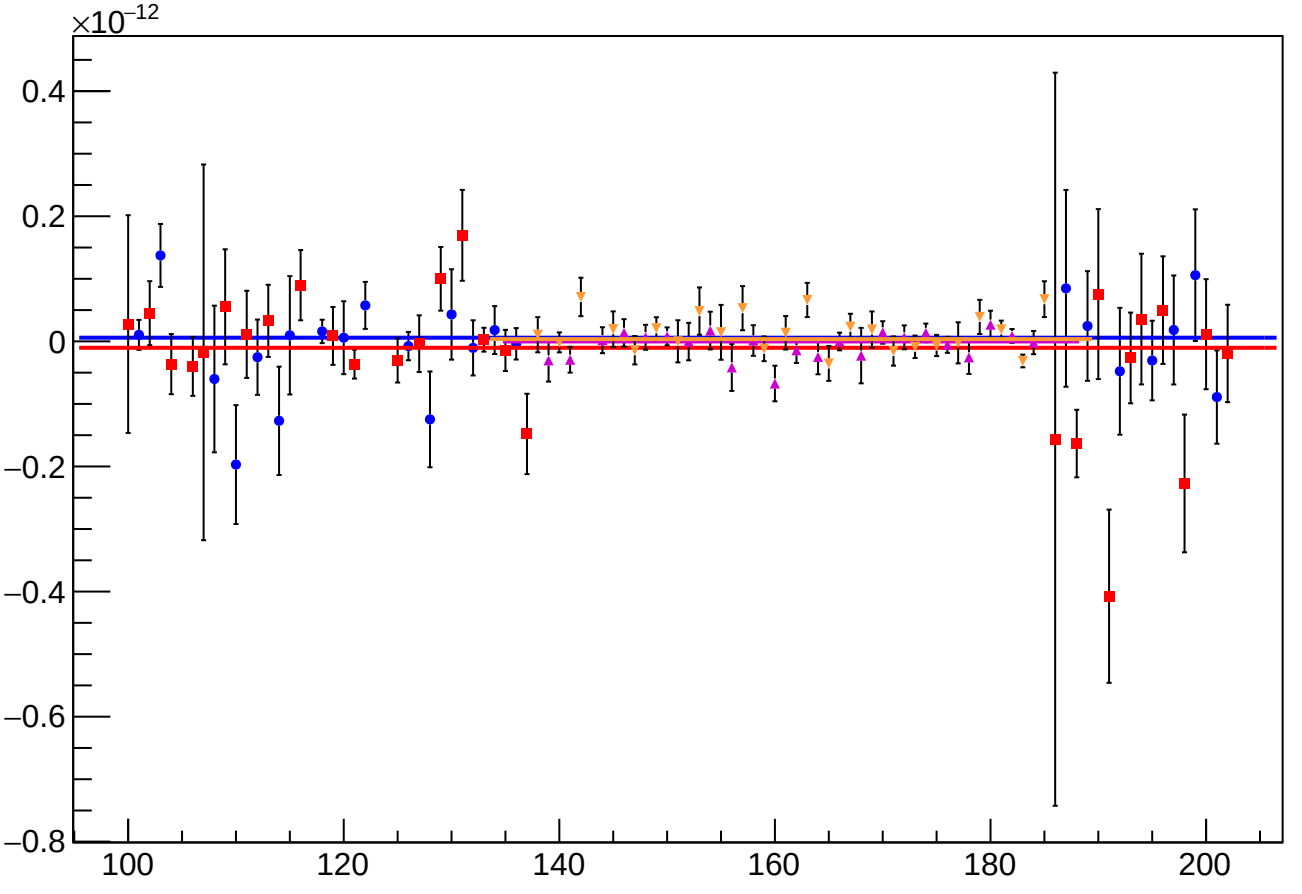
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.625+/-0.009 χ^2/NDF: 2136178.3/46

All: 64.710+/-0.006 χ^2/NDF: 5264569.8/97

- sign 64.791+/-0.009 χ^2/NDF: 3128206.0/50

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/27

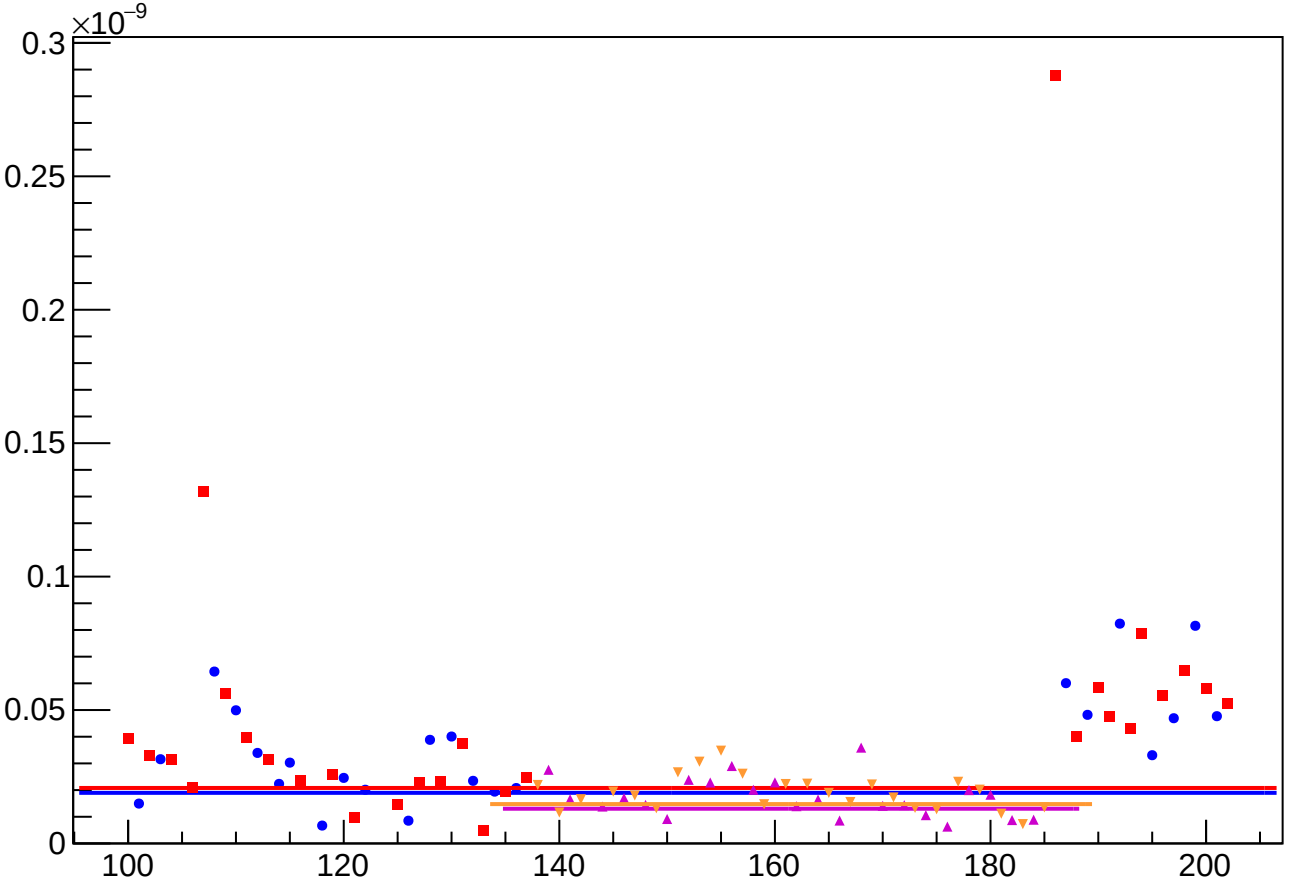
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.5/46

All: 0.000+/-0.000 χ^2/NDF: 129.2/97

- sign -0.000+/-0.000 χ^2/NDF: 63.5/50

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4943762.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6106086.3/27

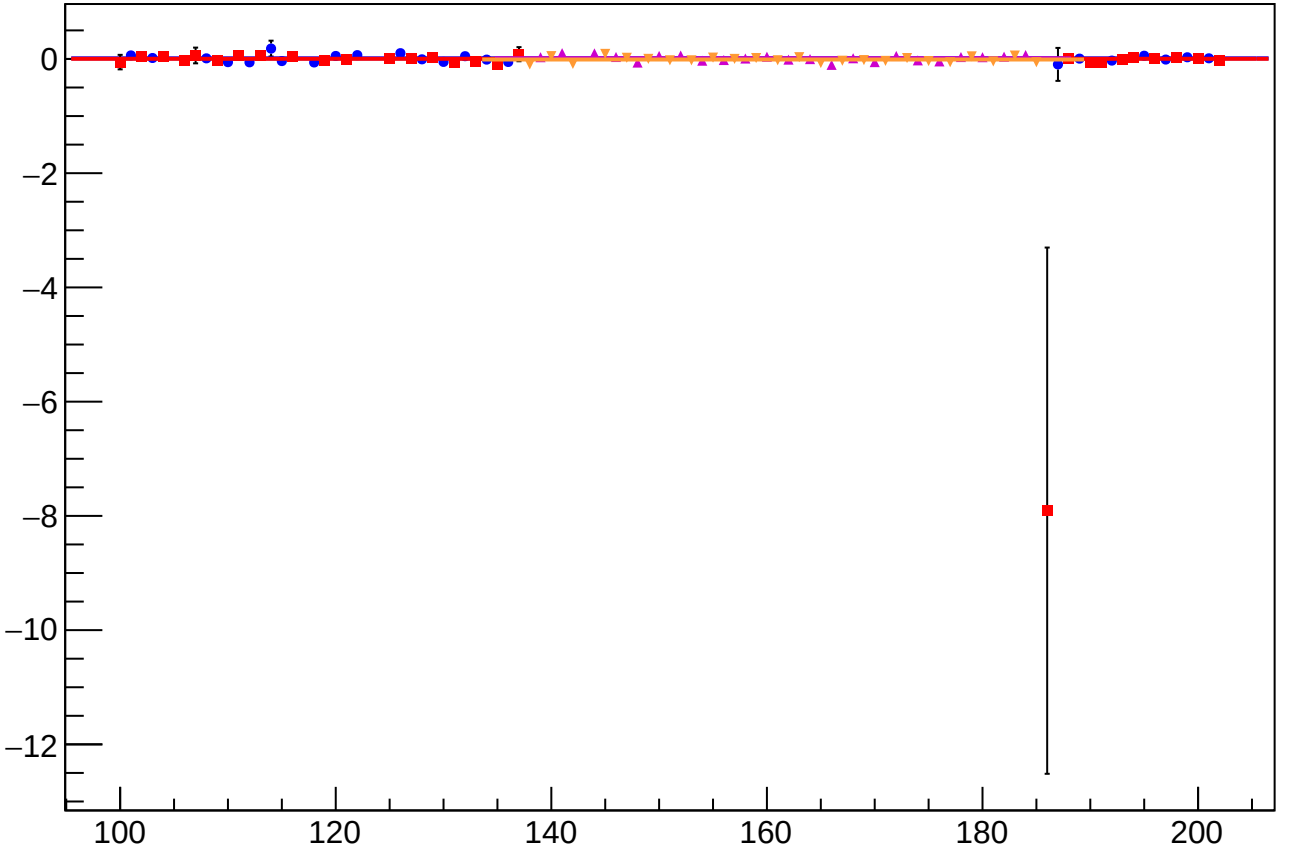
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8839276.4/46

All: 0.000+/-0.000 χ^2/NDF: 20172679.8/97

- sign 0.000+/-0.000 χ^2/NDF: 11213710.8/50

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.010 χ^2/NDF: 18.4/22

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.003+/-0.009 χ^2/NDF: 17.8/27

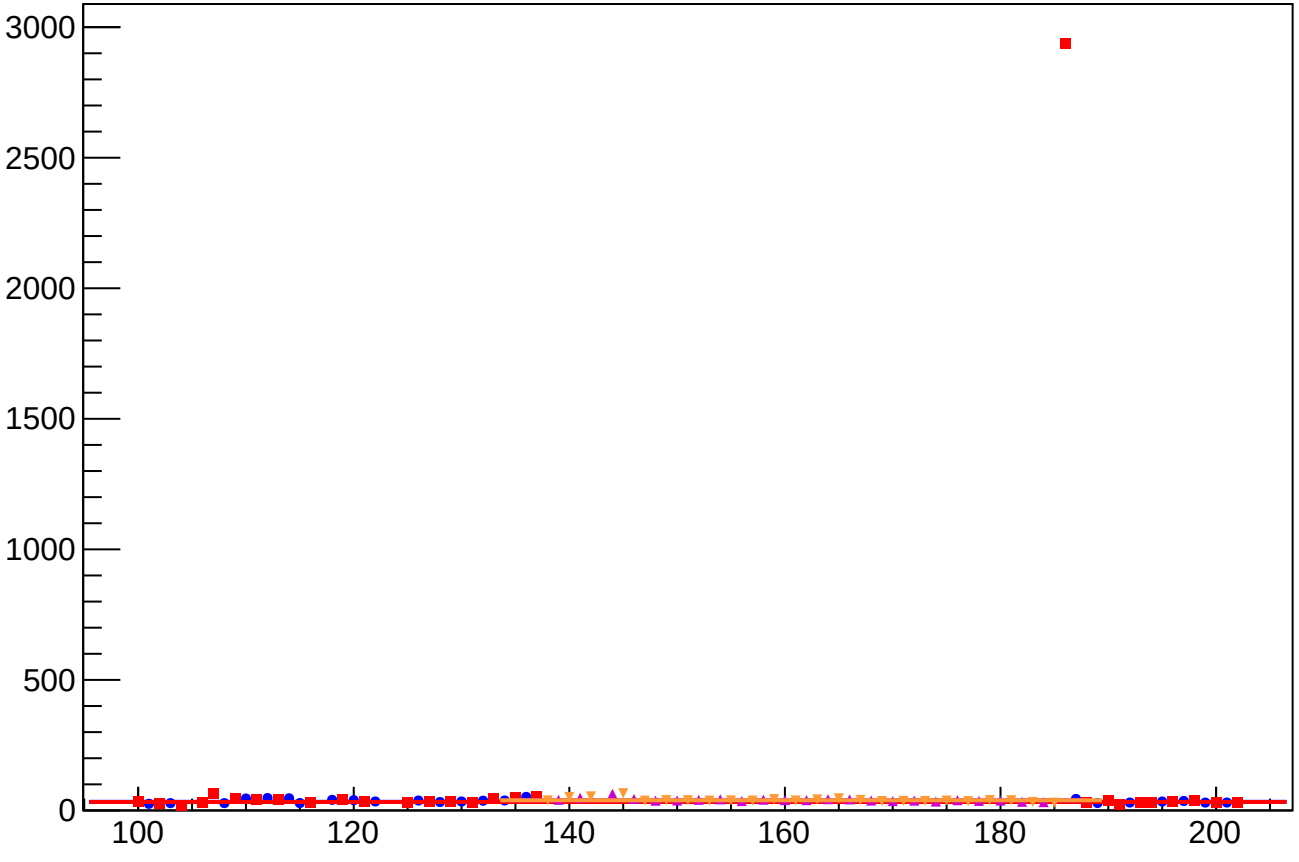
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.007 χ^2/NDF: 40.1/46

All: 0.004+/-0.005 χ^2/NDF: 82.1/97

- sign 0.007+/-0.007 χ^2/NDF: 41.5/50

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.008+/-0.007 χ^2/NDF: 732101.7/22

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

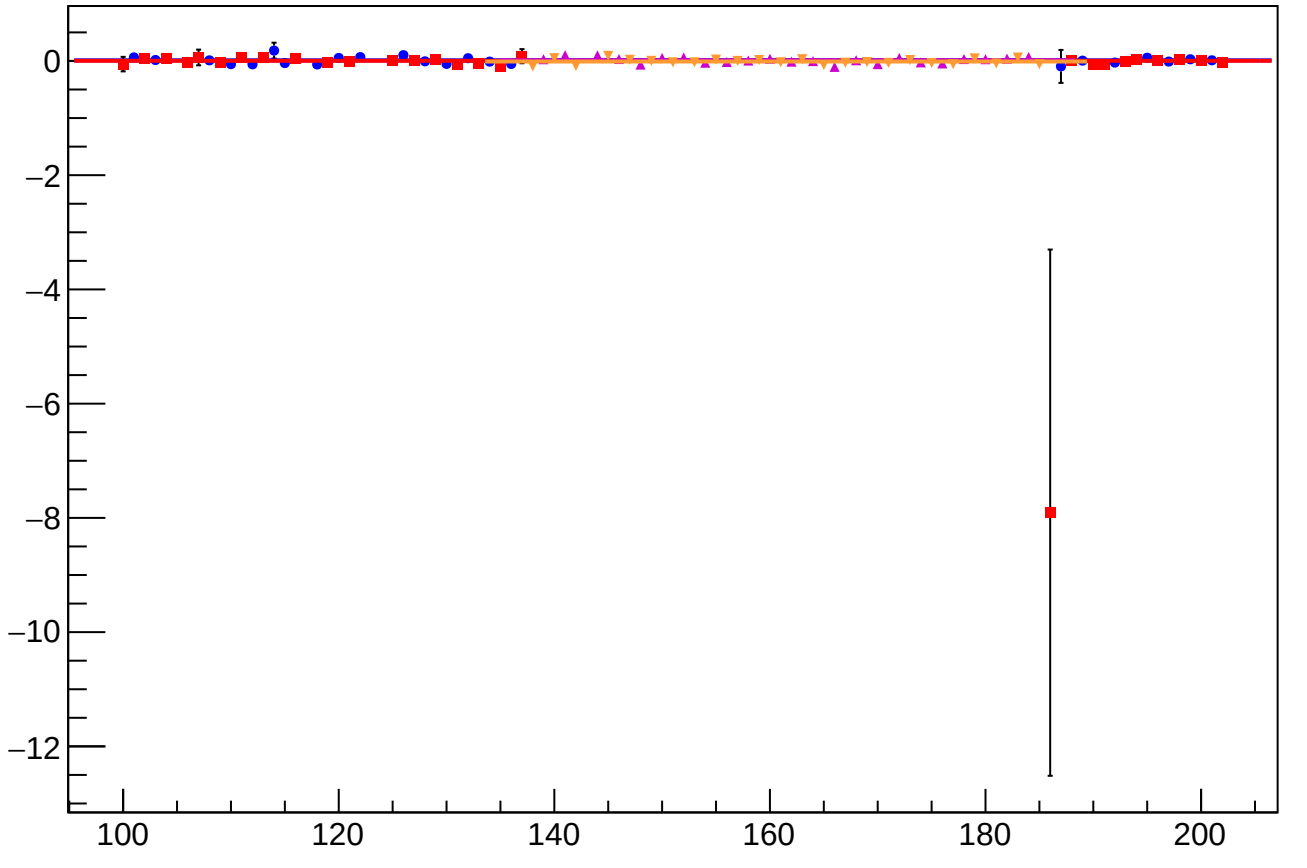
Right Out: 32.491+/-0.007 χ^2/NDF: 1877340.2/27

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 36.172+/-0.005 χ^2/NDF: 1729545.5/46

All: 35.945+/-0.003 χ^2/NDF: 4637207.0/97

- sign 35.733+/-0.005 χ^2/NDF: 2903462.1/50



Right In: 0.011+/-0.010 χ^2/NDF: 18.4/22

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.003+/-0.009 χ^2/NDF: 17.8/27

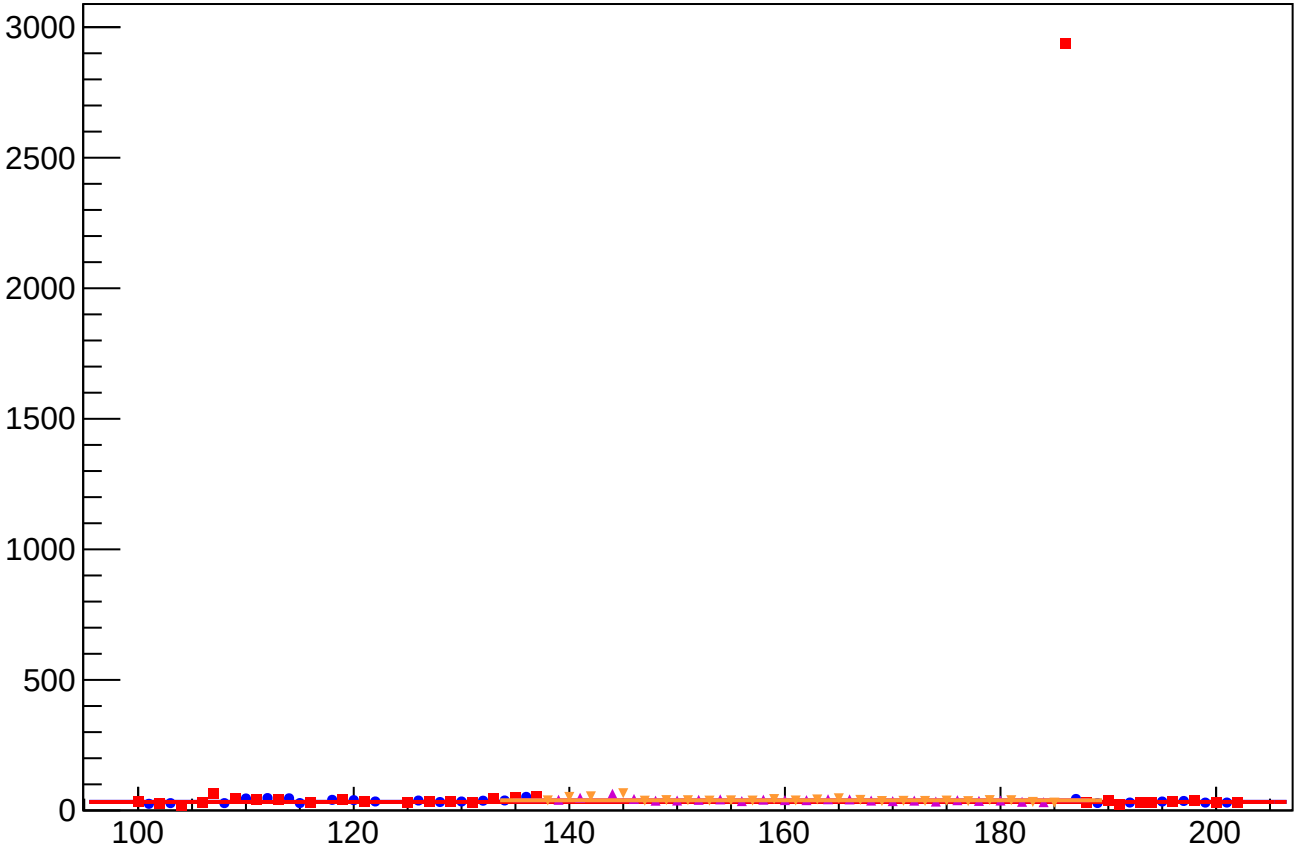
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.007 χ^2/NDF: 40.1/46

All: 0.004+/-0.005 χ^2/NDF: 82.1/97

- sign 0.007+/-0.007 χ^2/NDF: 41.5/50

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 33.008+/-0.007 χ^2/NDF: 732101.7/22

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.491+/-0.007 χ^2/NDF: 1877340.2/27

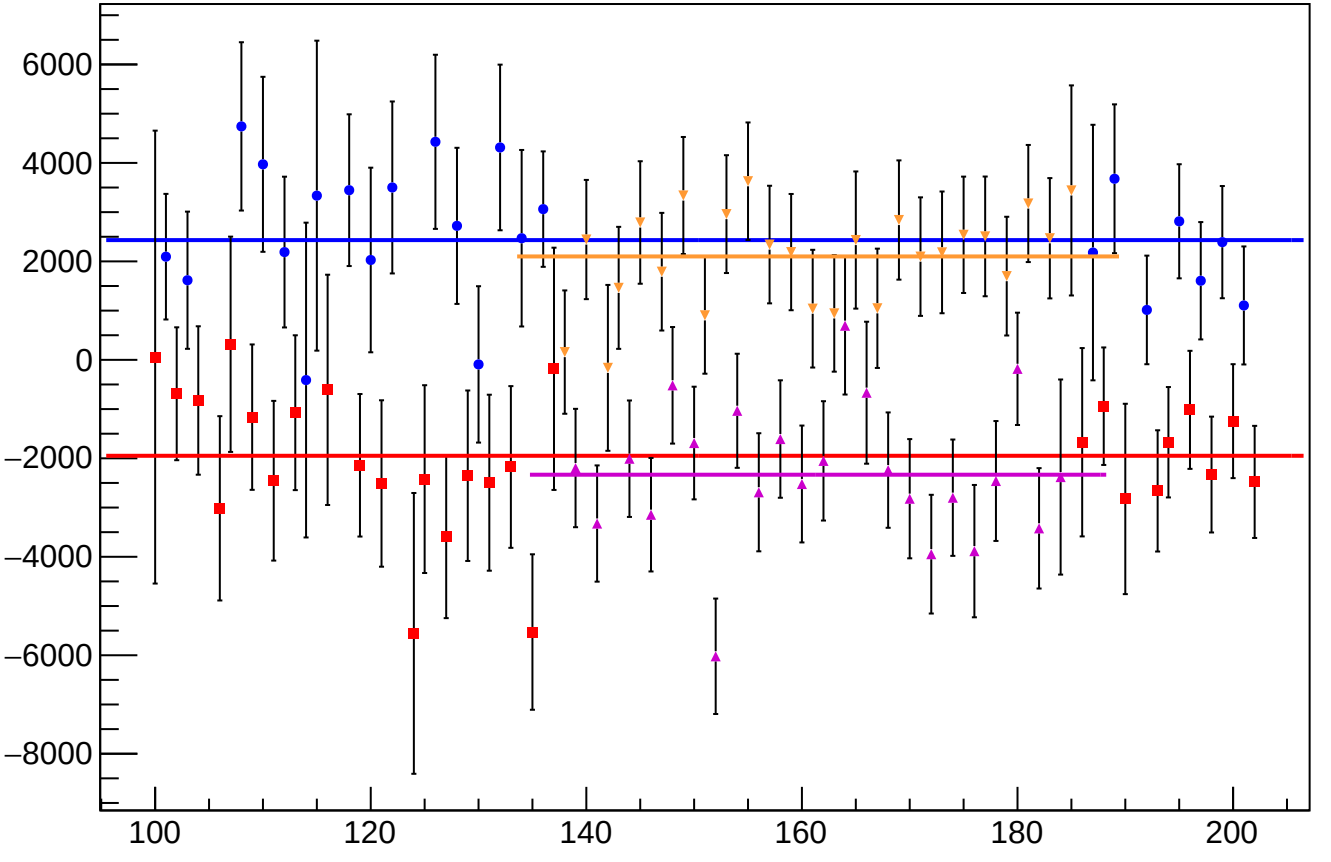
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

\+ sign 36.172+/-0.005 χ^2/NDF: 1729545.5/46

All: 35.945+/-0.003 χ^2/NDF: 4637207.0/97

\- sign 35.733+/-0.005 χ^2/NDF: 2903462.1/50

reg_asym_usr_mean vs Slug



Right In: 2432.218+/-311.941 χ^2/NDF: 14.3/22

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1948.400+/-291.509 χ^2/NDF: 15.3/27

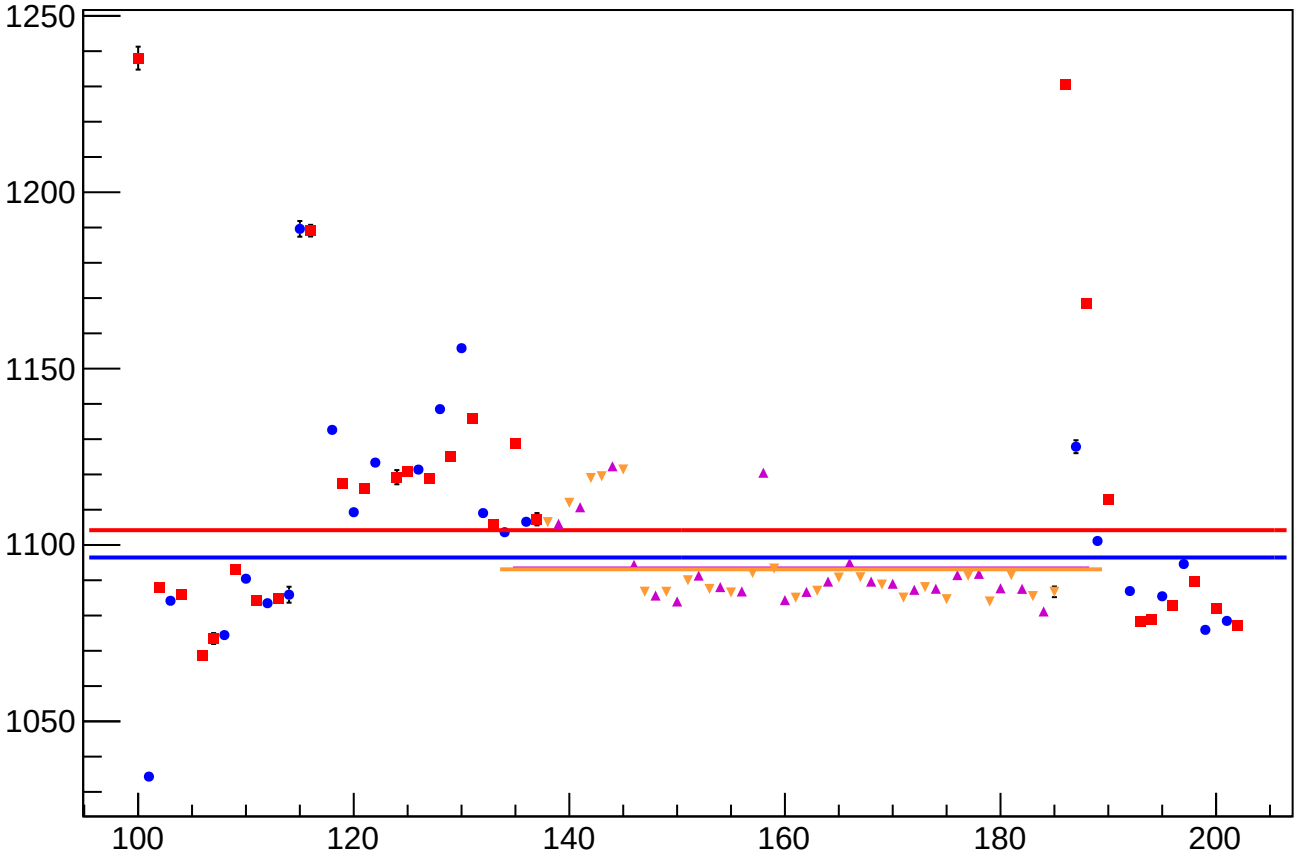
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2229.099+/-194.273 χ^2/NDF: 28.8/47

All: 6.255+/-136.579 χ^2/NDF: 333.4/98

- sign -2166.042+/-192.051 χ^2/NDF: 45.7/50

reg_asym_usr_rms vs Slug



Right In: 1096.454+/-0.221 χ^2/NDF: 15475.5/22

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1104.197+/-0.206 χ^2/NDF: 28054.6/27

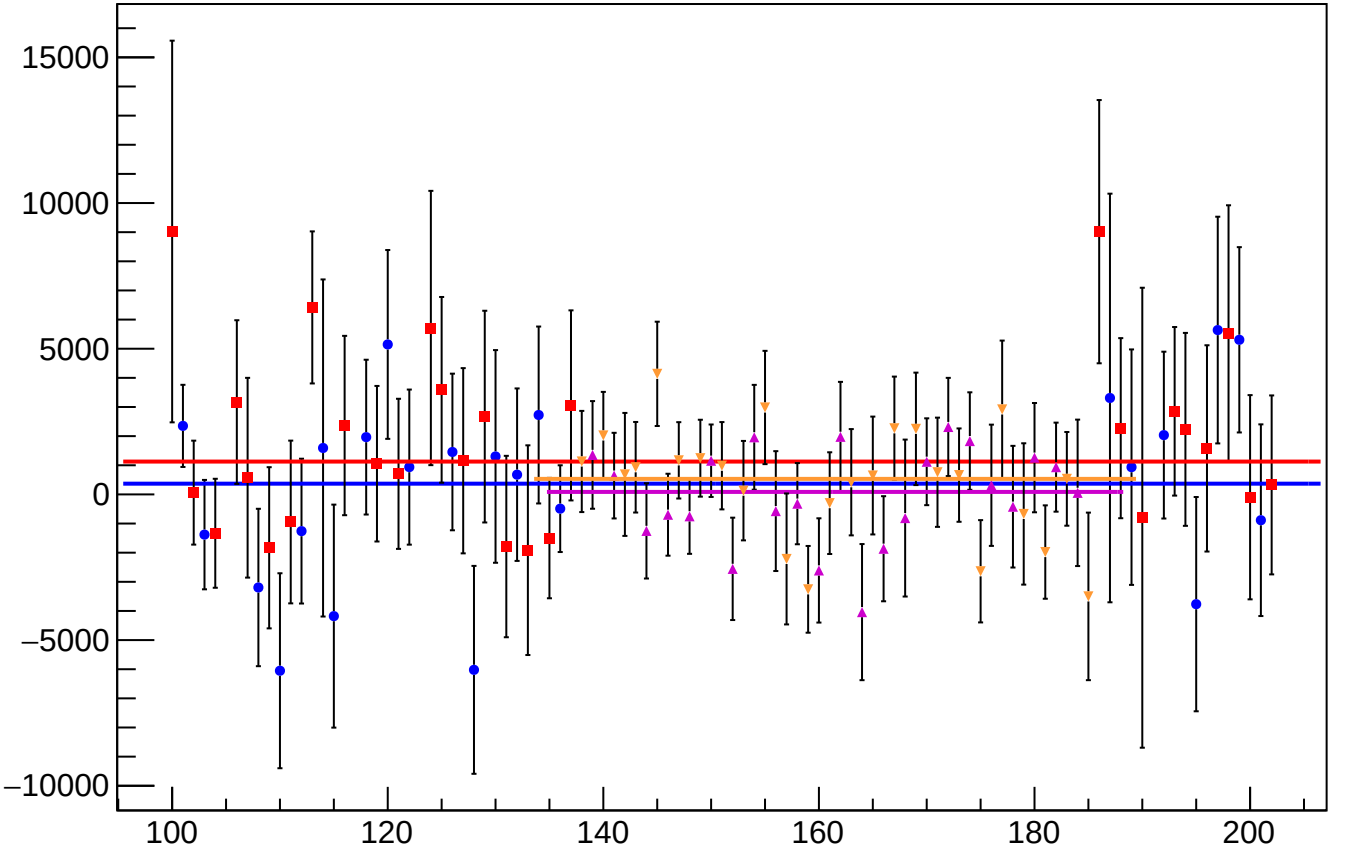
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.402+/-0.137 χ^2/NDF: 19600.0/47

All: 1096.248+/-0.097 χ^2/NDF: 53307.7/98

- sign 1098.051+/-0.136 χ^2/NDF: 33350.8/50

asym_usr_reg_correction_mean vs Slug



Right In: 368.311+/-563.216 χ^2/NDF: 23.3/22

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1126.993+/-562.161 χ^2/NDF: 20.3/27

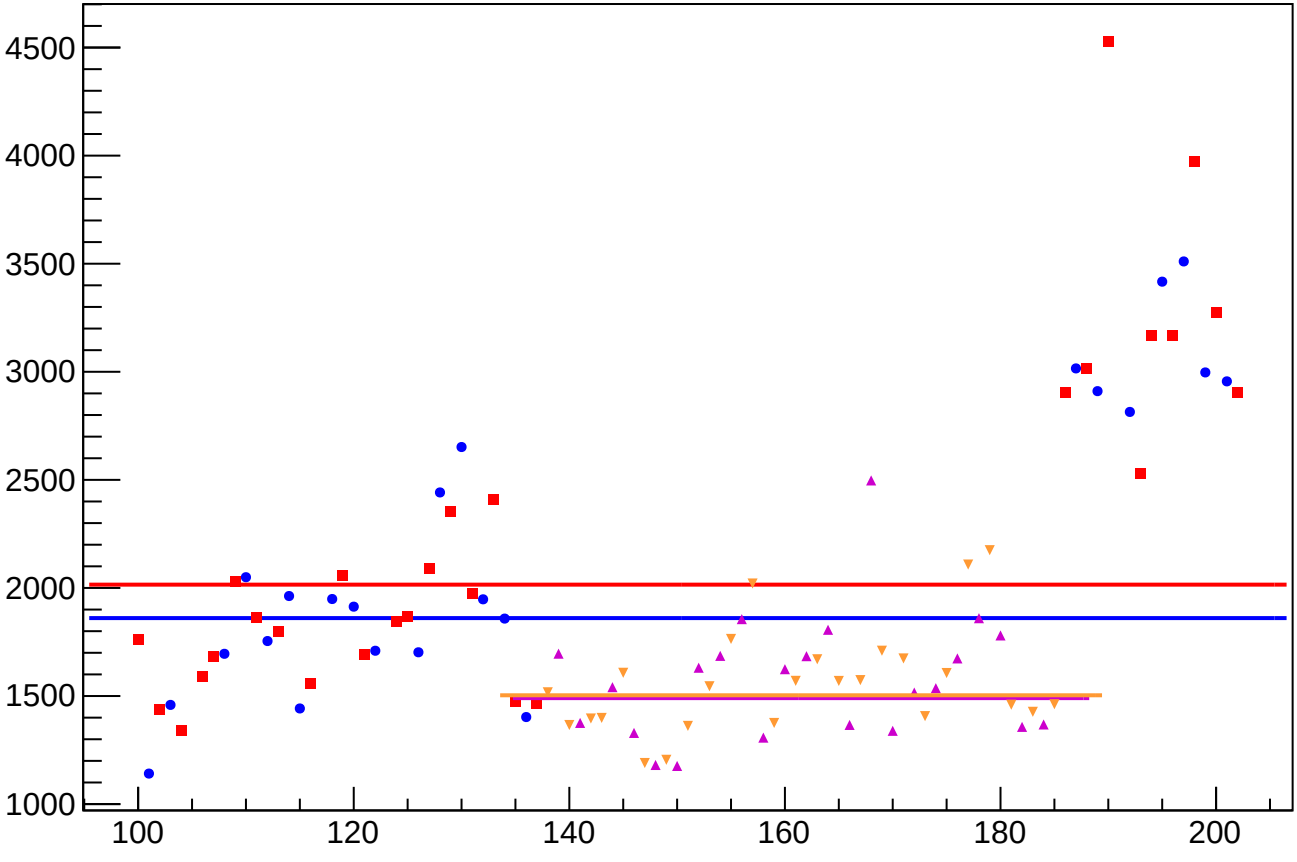
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 487.632+/-295.568 χ^2/NDF: 49.8/47

All: 435.034+/-210.380 χ^2/NDF: 90.7/98

- sign 381.023+/-299.515 χ^2/NDF: 40.8/50

asym_usr_reg_correction_rms vs Slug



Right In: 1860.548+/-0.398 χ^2/NDF: 2614948.4/22

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

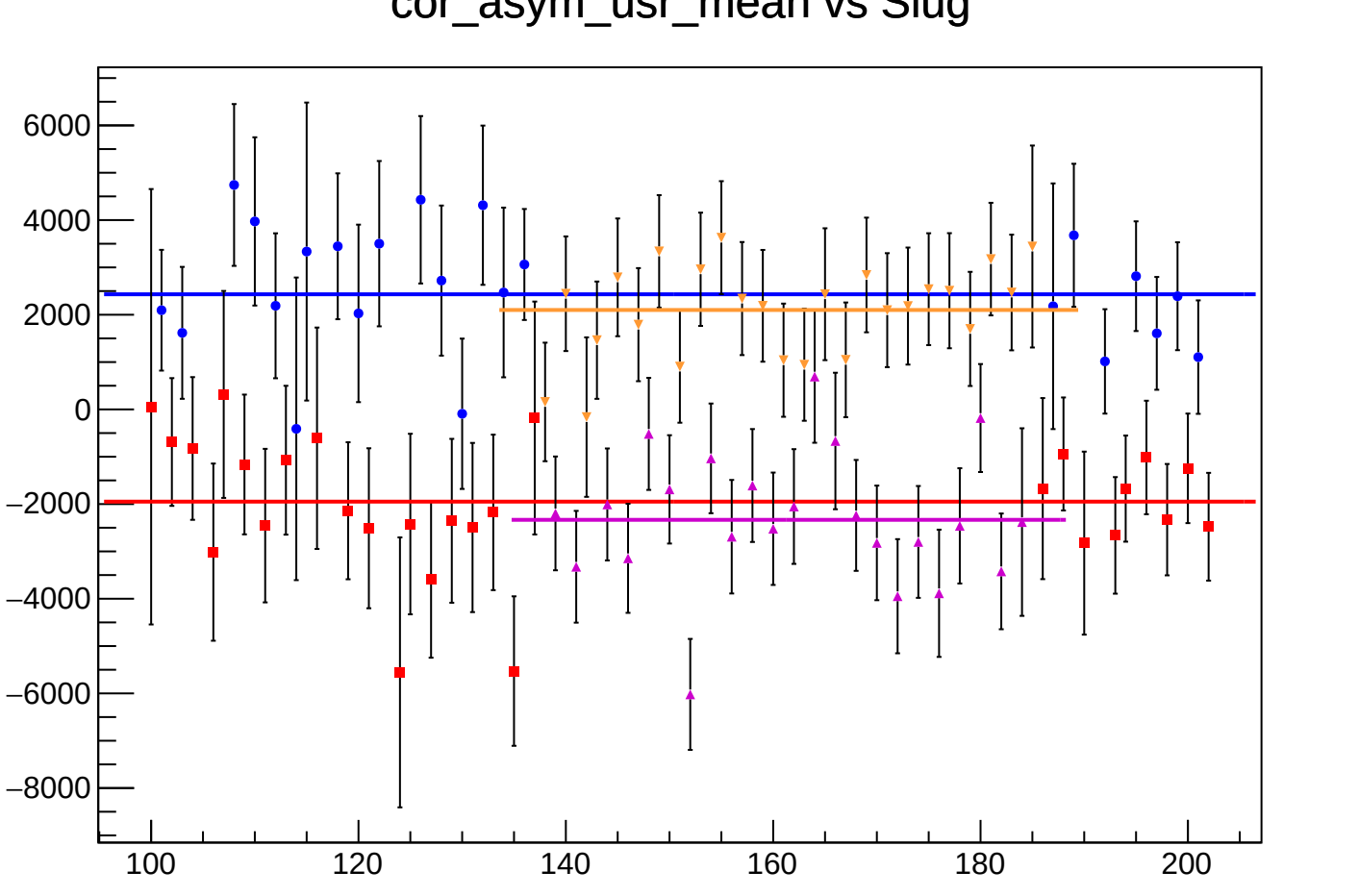
Right Out: 2015.282+/-0.398 χ^2/NDF: 2709865.4/27

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1601.786+/-0.209 χ^2/NDF: 3997239.6/47

All: 1620.311+/-0.149 χ^2/NDF: 8940265.3/98

- sign 1639.335+/-0.212 χ^2/NDF: 4927099.8/50



Right In: 2432.218+/-311.941 χ^2/NDF: 14.3/22

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1948.400+/-291.509 χ^2/NDF: 15.3/27

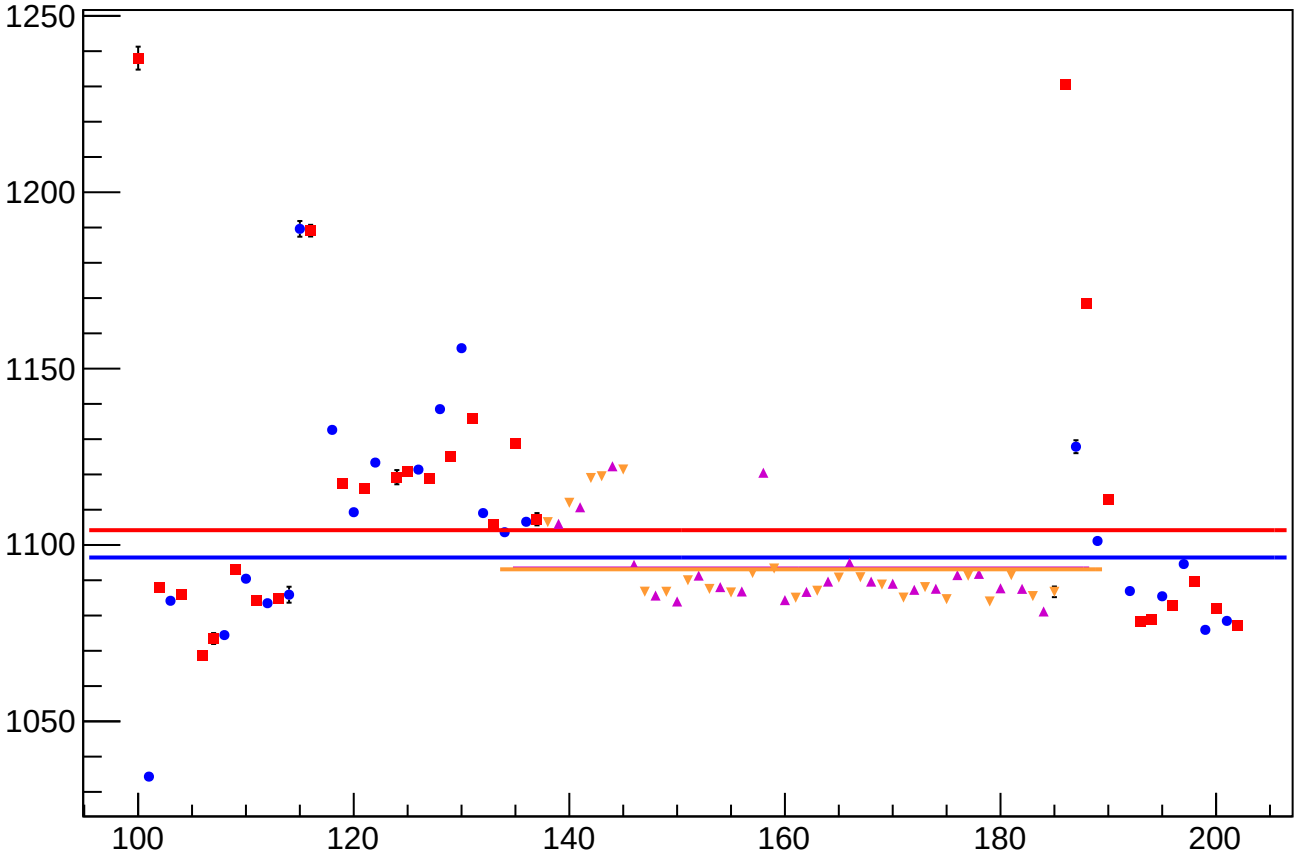
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2229.099+/-194.273 χ^2/NDF: 28.8/47

All: 6.255+/-136.579 χ^2/NDF: 333.4/98

- sign -2166.042+/-192.051 χ^2/NDF: 45.7/50

cor_asym_usr_rms vs Slug



Right In: 1096.454+/-0.221 χ^2/NDF: 15475.5/22

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1104.197+/-0.206 χ^2/NDF: 28054.6/27

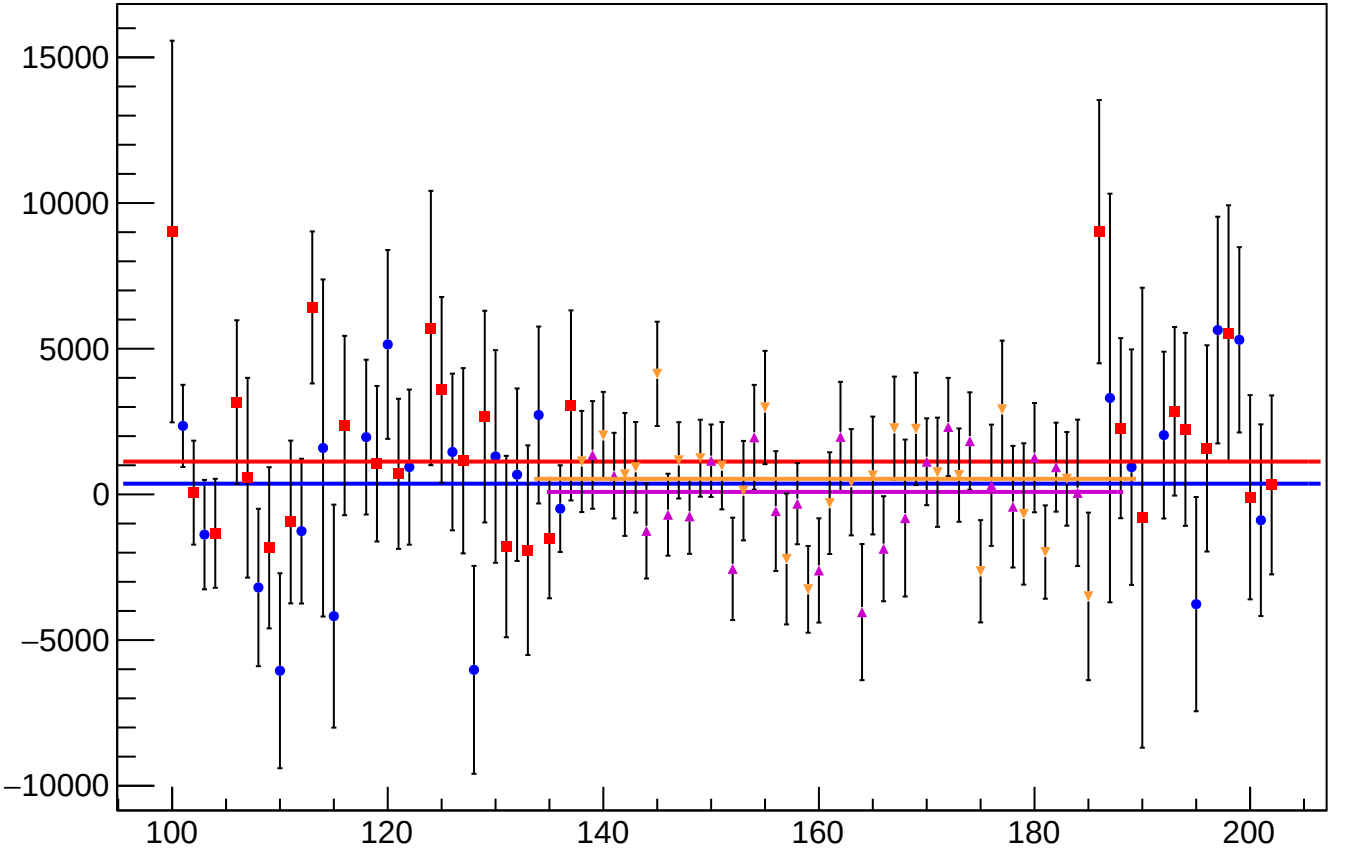
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.402+/-0.137 χ^2/NDF: 19600.0/47

All: 1096.248+/-0.097 χ^2/NDF: 53307.7/98

- sign 1098.051+/-0.136 χ^2/NDF: 33350.8/50

asym_usr_cor_correction_mean vs Slug



Right In: 368.311+/-563.216 χ^2/NDF: 23.3/22

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1126.993+/-562.161 χ^2/NDF: 20.3/27

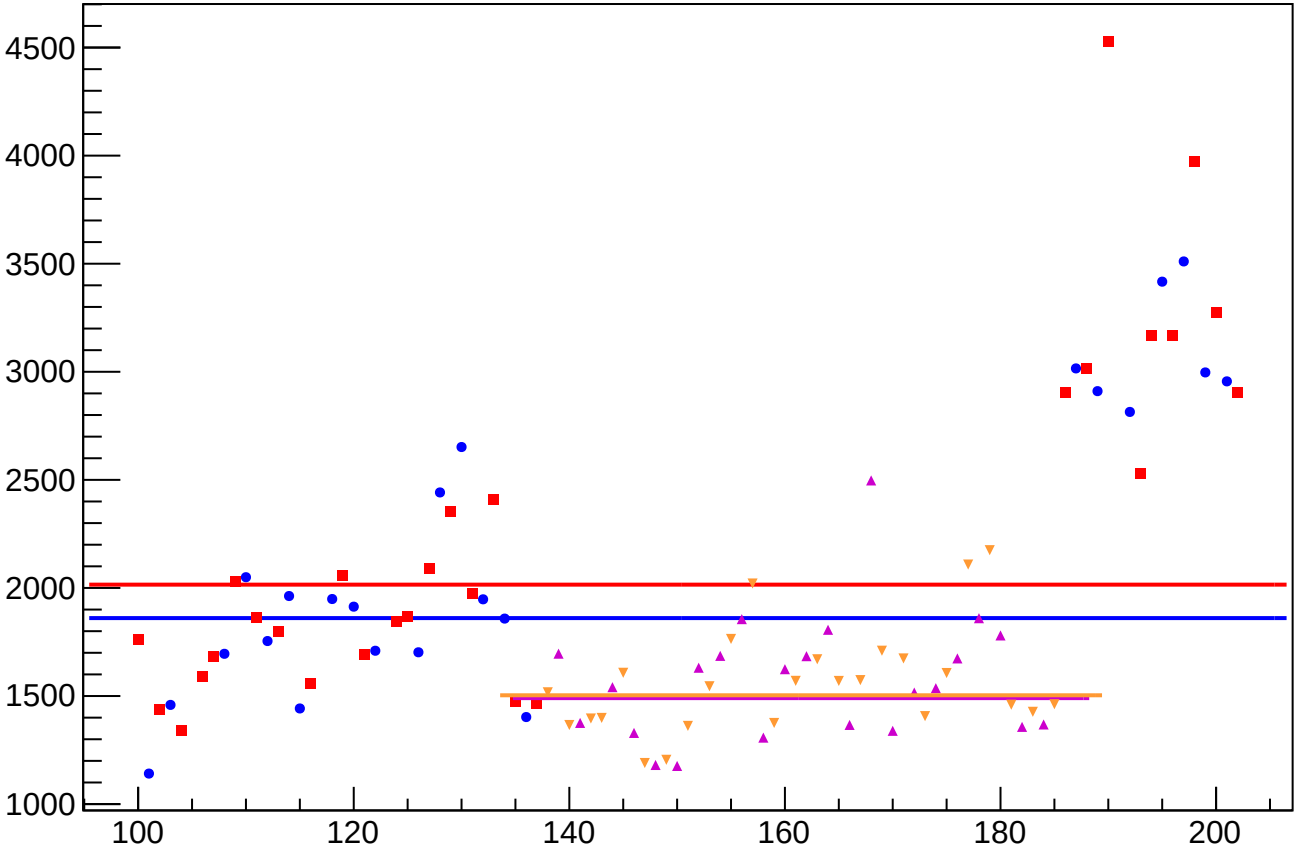
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 487.632+/-295.568 χ^2/NDF: 49.8/47

All: 435.034+/-210.380 χ^2/NDF: 90.7/98

- sign 381.023+/-299.515 χ^2/NDF: 40.8/50

asym_usr_cor_correction_rms vs Slug



Right In: 1860.548+/-0.398 χ^2/NDF: 2614948.4/22

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2015.282+/-0.398 χ^2/NDF: 2709865.4/27

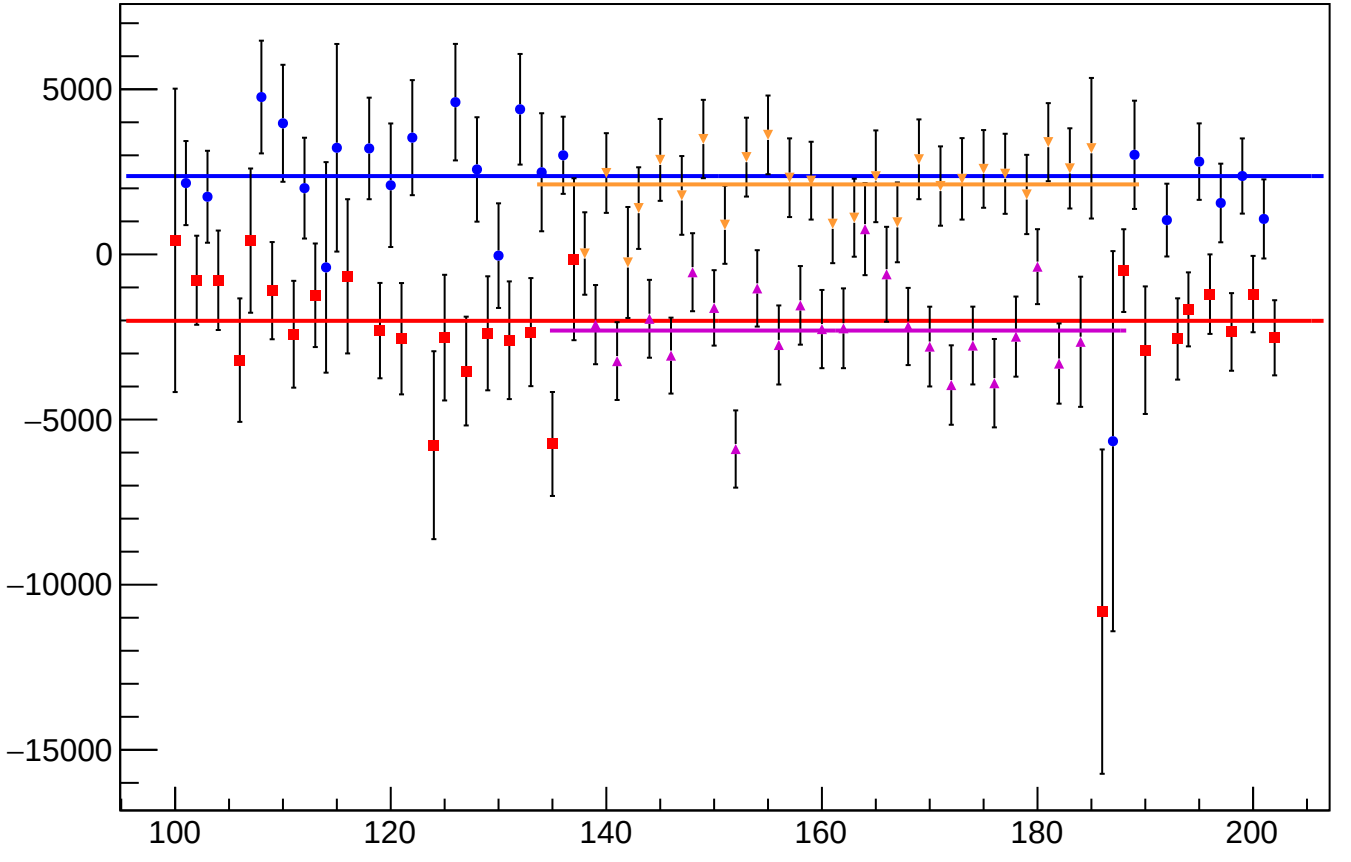
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1601.786+/-0.209 χ^2/NDF: 3997239.6/47

All: 1620.311+/-0.149 χ^2/NDF: 8940265.3/98

- sign 1639.335+/-0.212 χ^2/NDF: 4927099.8/50

overload_cor_asym_usr_mean vs Slug



Right In: 2371.801+/-314.169 χ^2/NDF: 15.7/22

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2010.934+/-294.847 χ^2/NDF: 20.1/27

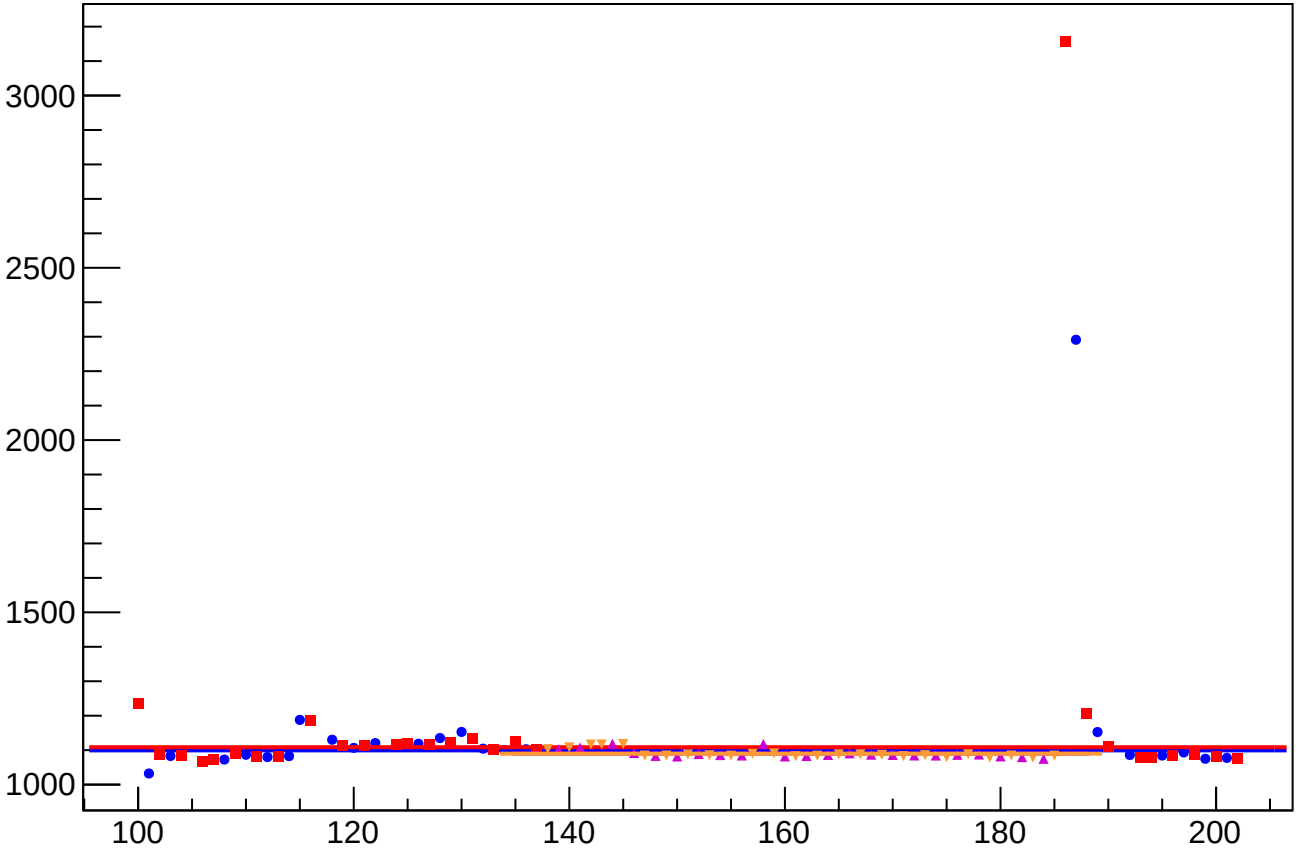
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2216.432+/-194.438 χ^2/NDF: 31.2/47

All: -1.873+/-136.854 χ^2/NDF: 338.3/98

- sign -2179.686+/-192.656 χ^2/NDF: 49.1/50

overload_cor_asym_usr_rms vs Slug



Right In: 1099.340+/-0.222 χ^2/NDF: 103221.1/22

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1108.483+/-0.208 χ^2/NDF: 375265.9/27

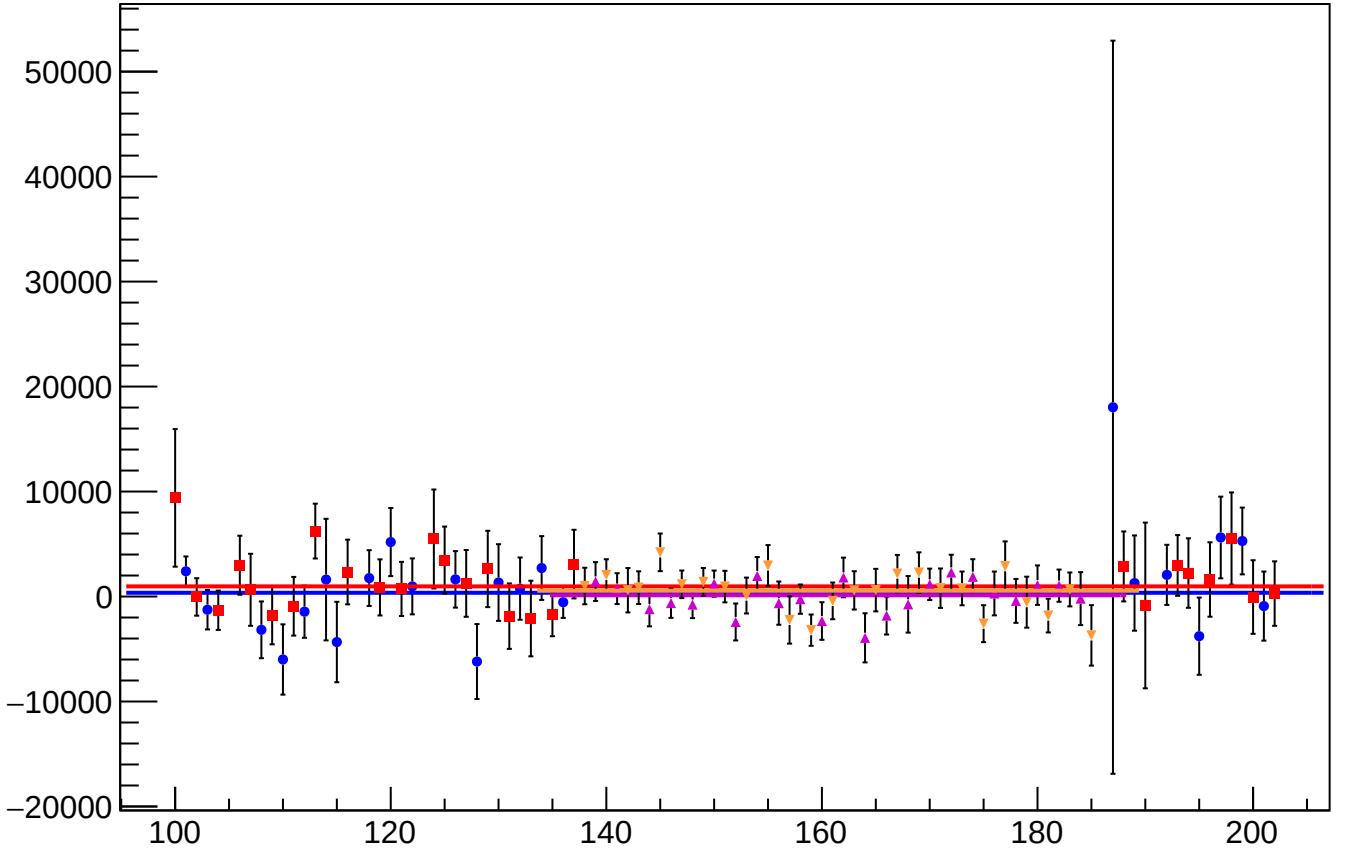
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1093.419+/-0.137 χ^2/NDF: 108430.0/47

All: 1095.666+/-0.097 χ^2/NDF: 492642.3/98

- sign 1097.871+/-0.136 χ^2/NDF: 383683.4/50

asym_usr_overload_cor_correction_mean vs Slug



Right In: 357.869+/-566.727 χ^2/NDF: 23.7/22

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 966.940+/-568.372 χ^2/NDF: 17.3/26

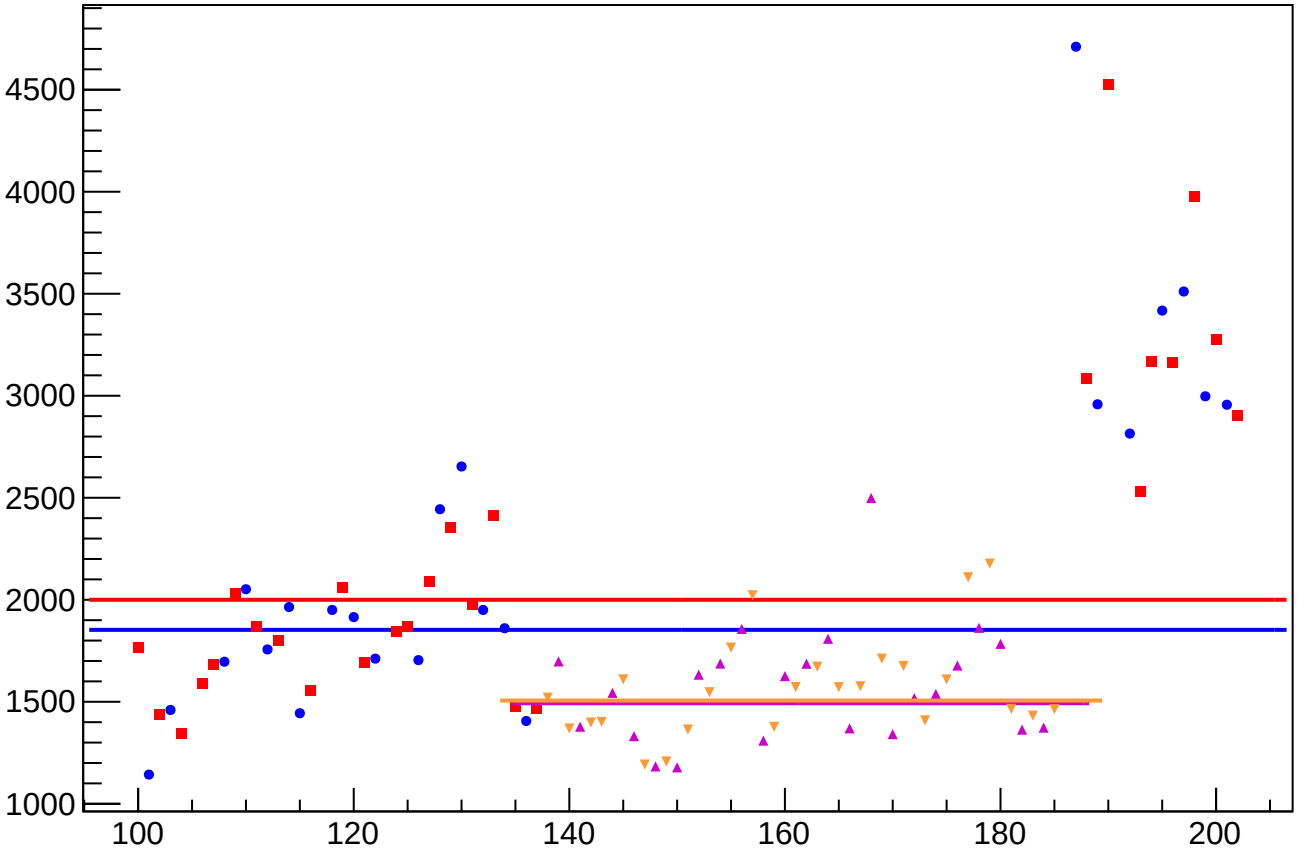
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 500.163+/-296.437 χ^2/NDF: 49.9/47

All: 430.252+/-211.143 χ^2/NDF: 86.1/97

- sign 358.260+/-300.814 χ^2/NDF: 36.0/49

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1852.569+/-0.401 χ^2/NDF: 2547792.2/22

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2000.004+/-0.402 χ^2/NDF: 2617449.7/26

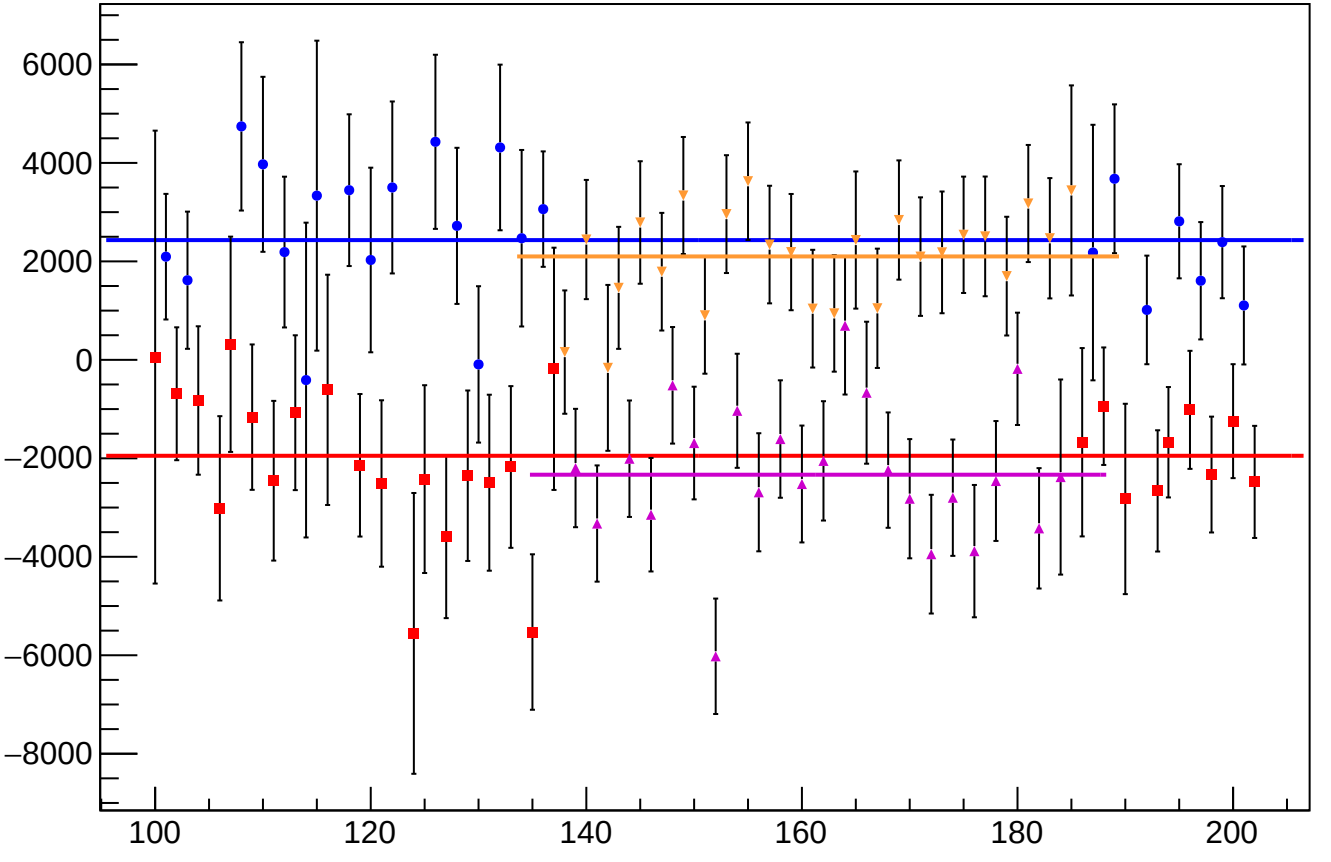
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1600.897+/-0.210 χ^2/NDF: 3887168.0/47

All: 1617.699+/-0.149 χ^2/NDF: 8627777.8/97

- sign 1635.001+/-0.213 χ^2/NDF: 4727568.1/49

eigen_cor_asym_usr_mean vs Slug



Right In: 2432.218+/-311.941 χ^2/NDF: 14.3/22

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1948.400+/-291.509 χ^2/NDF: 15.3/27

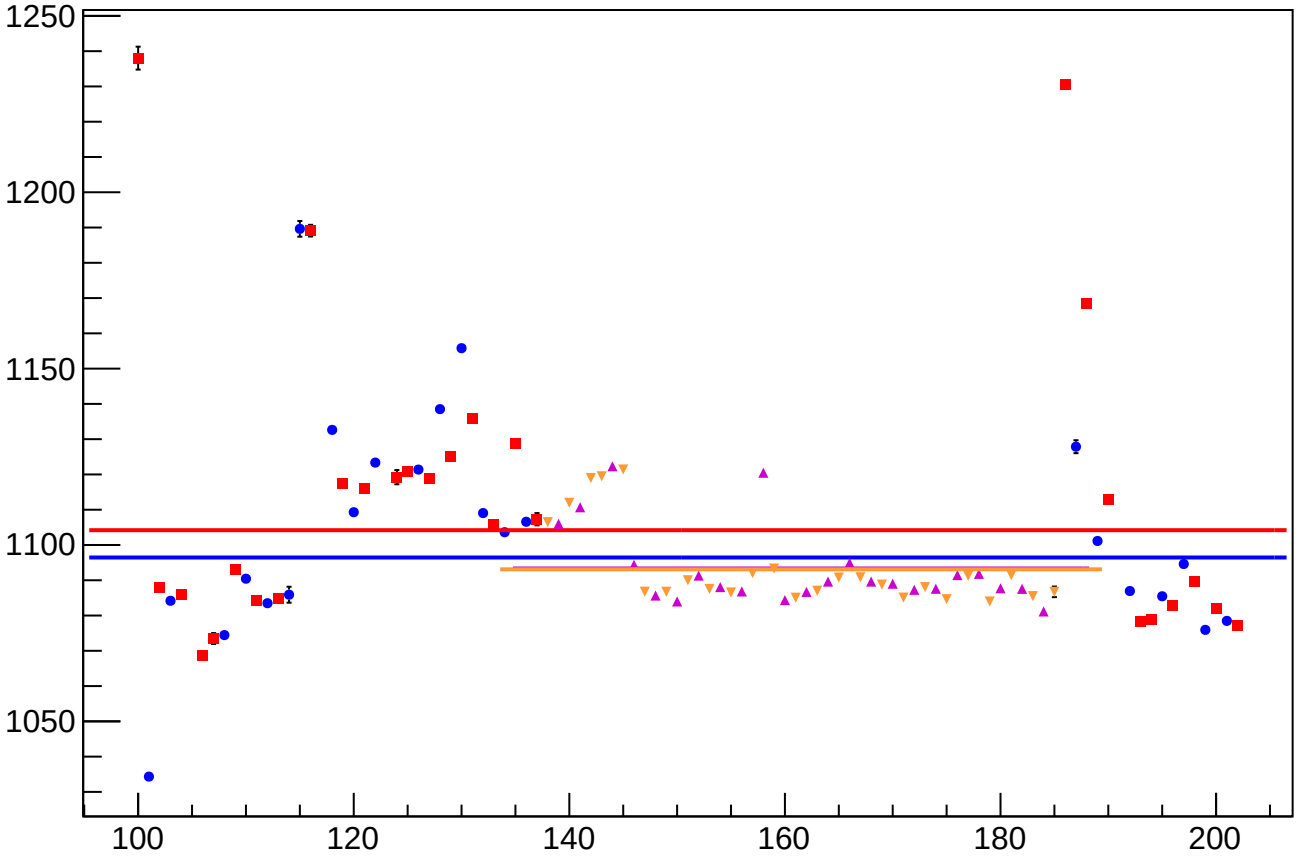
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2229.099+/-194.273 χ^2/NDF: 28.8/47

All: 6.255+/-136.579 χ^2/NDF: 333.4/98

- sign -2166.042+/-192.051 χ^2/NDF: 45.7/50

eigen_cor_asym_usr_rms vs Slug



Right In: 1096.454+/-0.221 χ^2/NDF: 15475.5/22

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

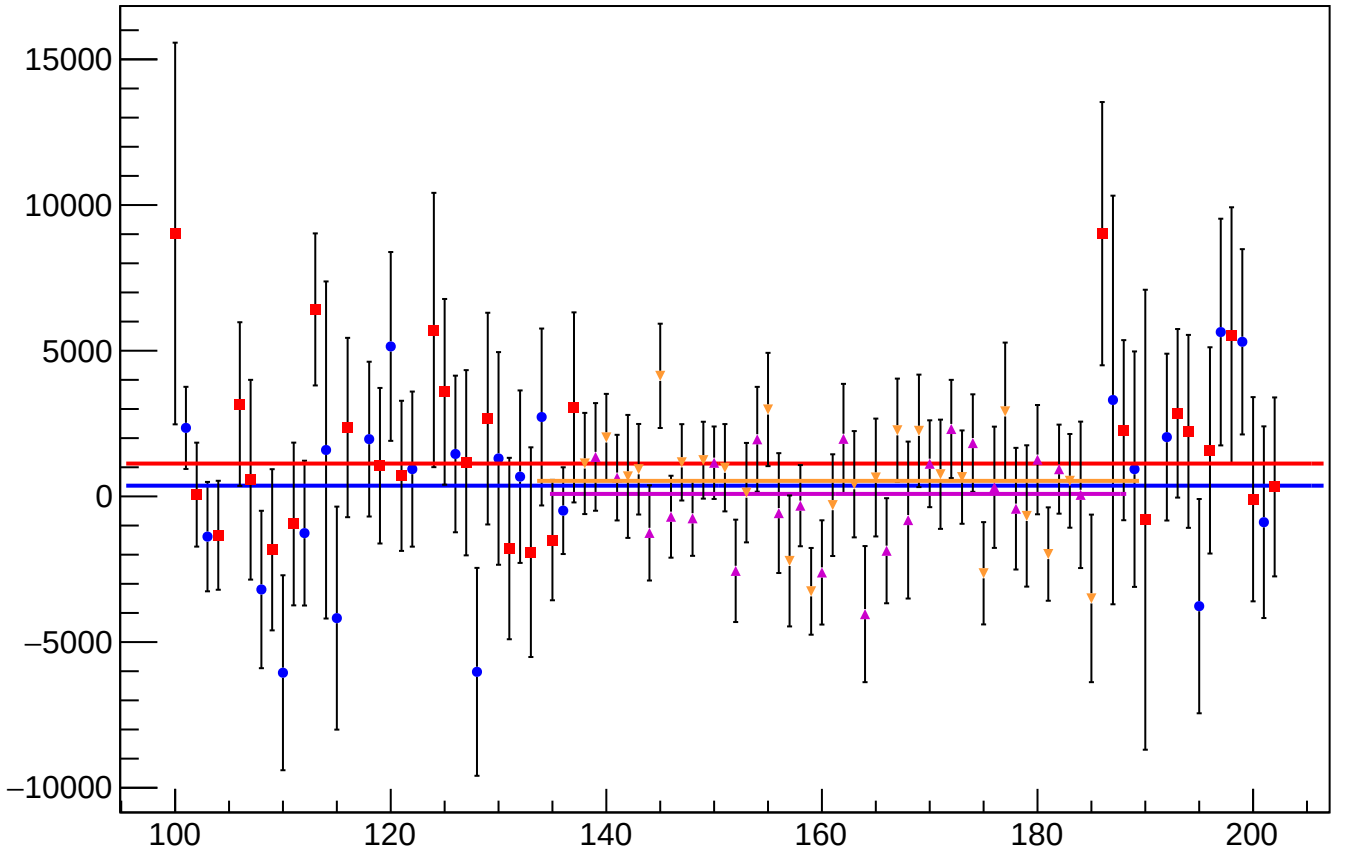
Right Out: 1104.197+/-0.206 χ^2/NDF: 28054.6/27

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.402+/-0.137 χ^2/NDF: 19600.0/47

All: 1096.248+/-0.097 χ^2/NDF: 53307.7/98

- sign 1098.051+/-0.136 χ^2/NDF: 33350.8/50



Right In: 368.311+/-563.216 χ^2/NDF: 23.3/22

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1126.993+/-562.161 χ^2/NDF: 20.3/27

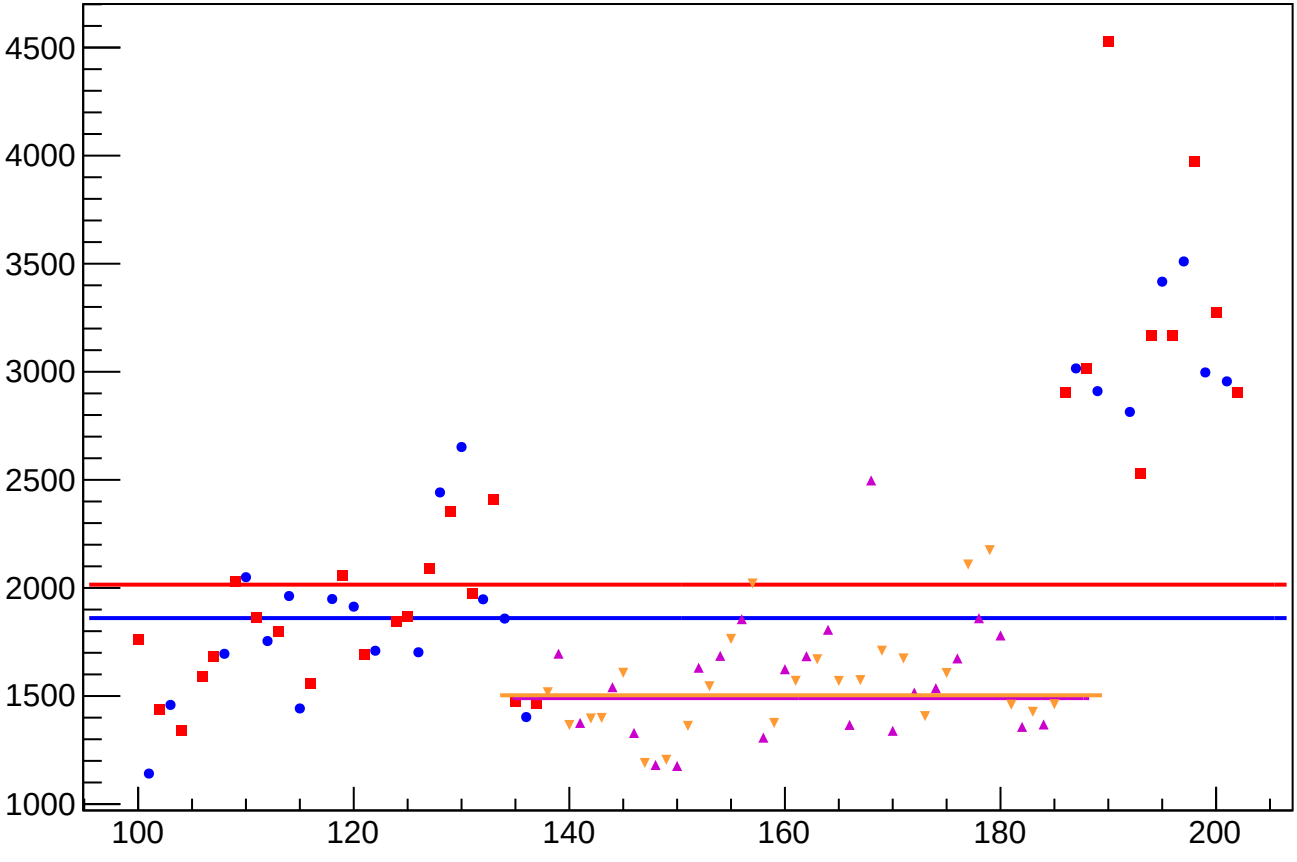
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 487.632+/-295.568 χ^2/NDF: 49.8/47

All: 435.034+/-210.380 χ^2/NDF: 90.7/98

- sign 381.023+/-299.515 χ^2/NDF: 40.8/50

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1860.548+/-0.398 χ^2/NDF: 2614948.4/22

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2015.282+/-0.398 χ^2/NDF: 2709865.4/27

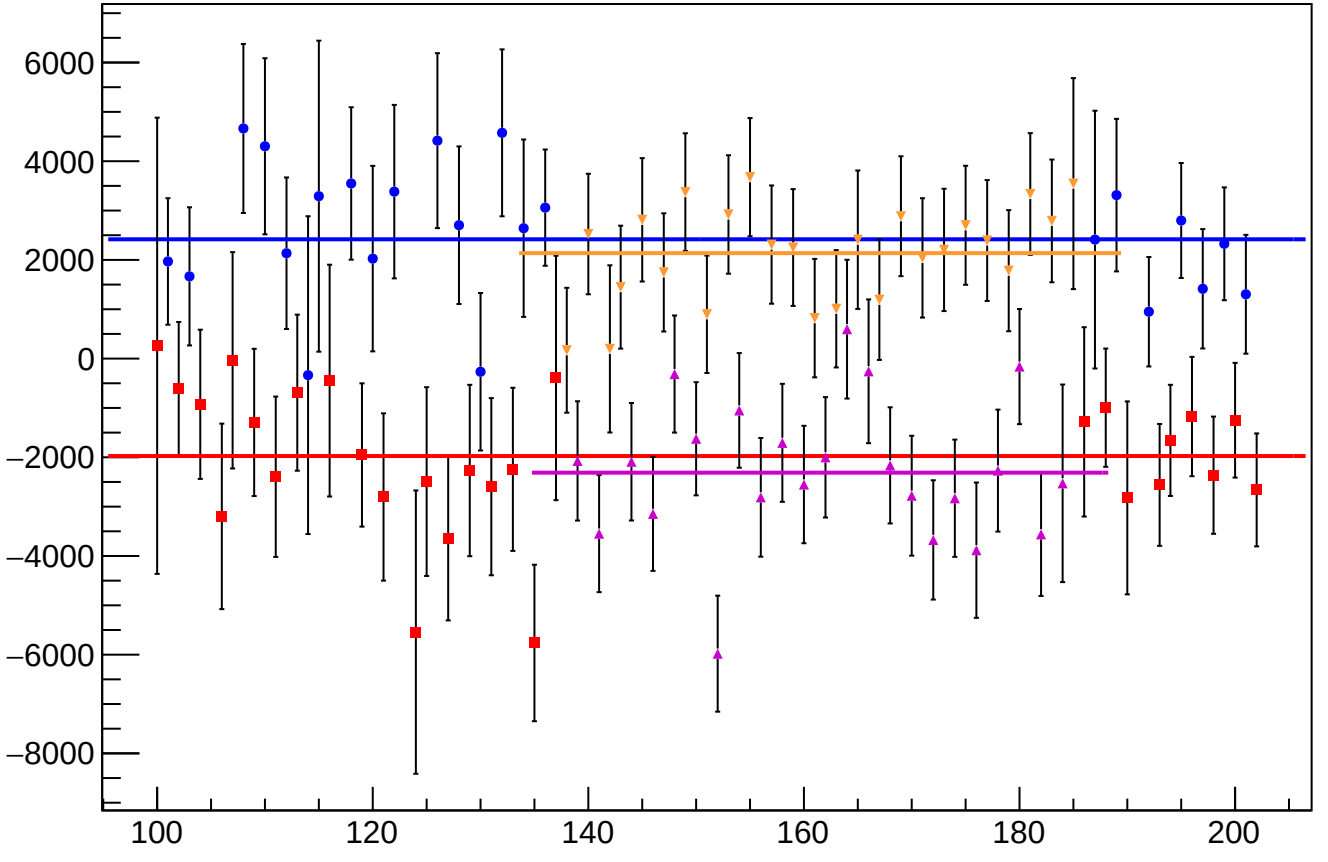
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1601.786+/-0.209 χ^2/NDF: 3997239.6/47

All: 1620.311+/-0.149 χ^2/NDF: 8940265.3/98

- sign 1639.335+/-0.212 χ^2/NDF: 4927099.8/50

dit_asym_usr_mean vs Slug



Right In: 2417.504+/-313.782 χ^2/NDF: 14.8/22

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -1974.624+/-292.988 χ^2/NDF: 16.0/27

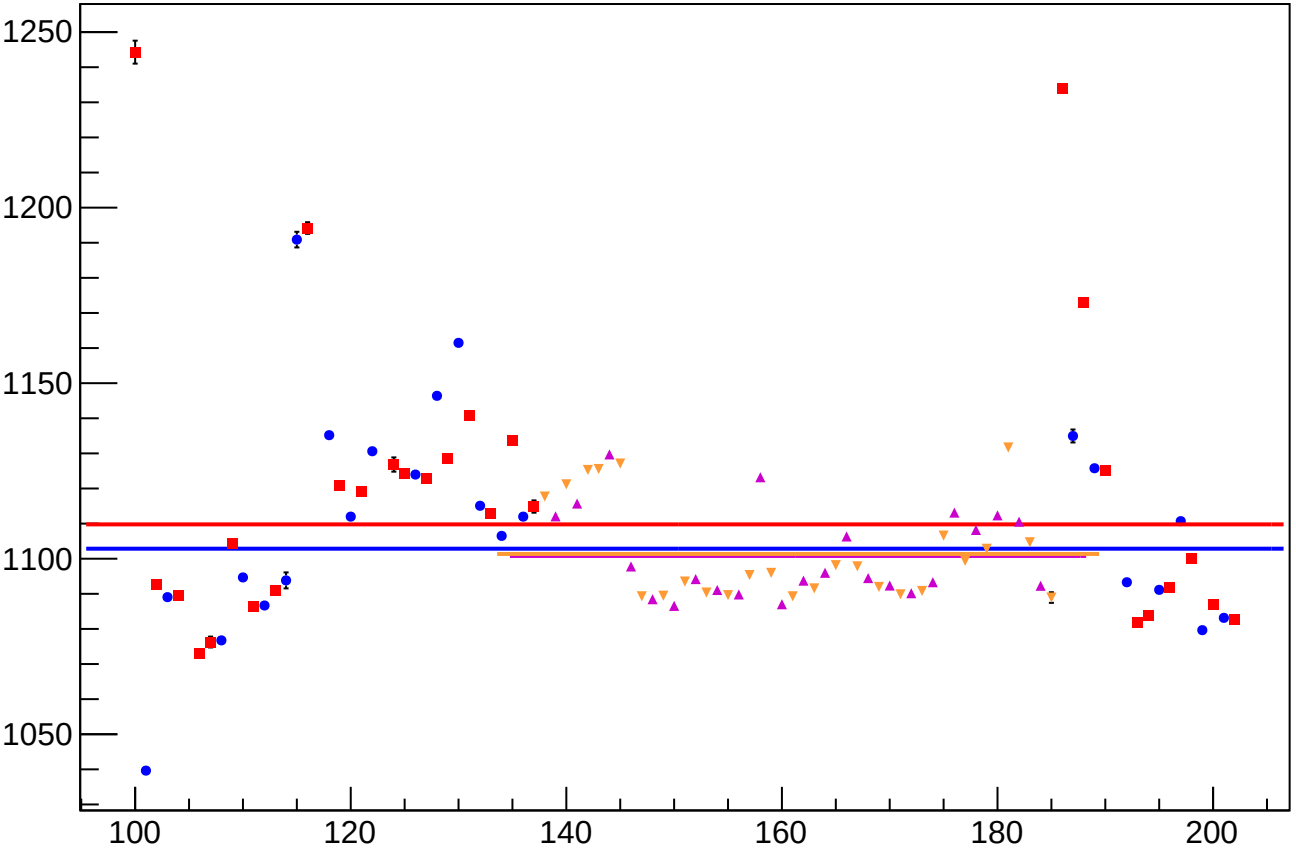
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2246.136+/-195.622 χ^2/NDF: 29.2/47

All: 13.253+/-137.468 χ^2/NDF: 333.3/98

- sign -2165.136+/-193.220 χ^2/NDF: 46.7/50

dit_asym_usr_rms vs Slug



Right In: 1102.855+/-0.222 χ^2/NDF: 16024.3/22

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1109.780+/-0.207 χ^2/NDF: 27344.7/27

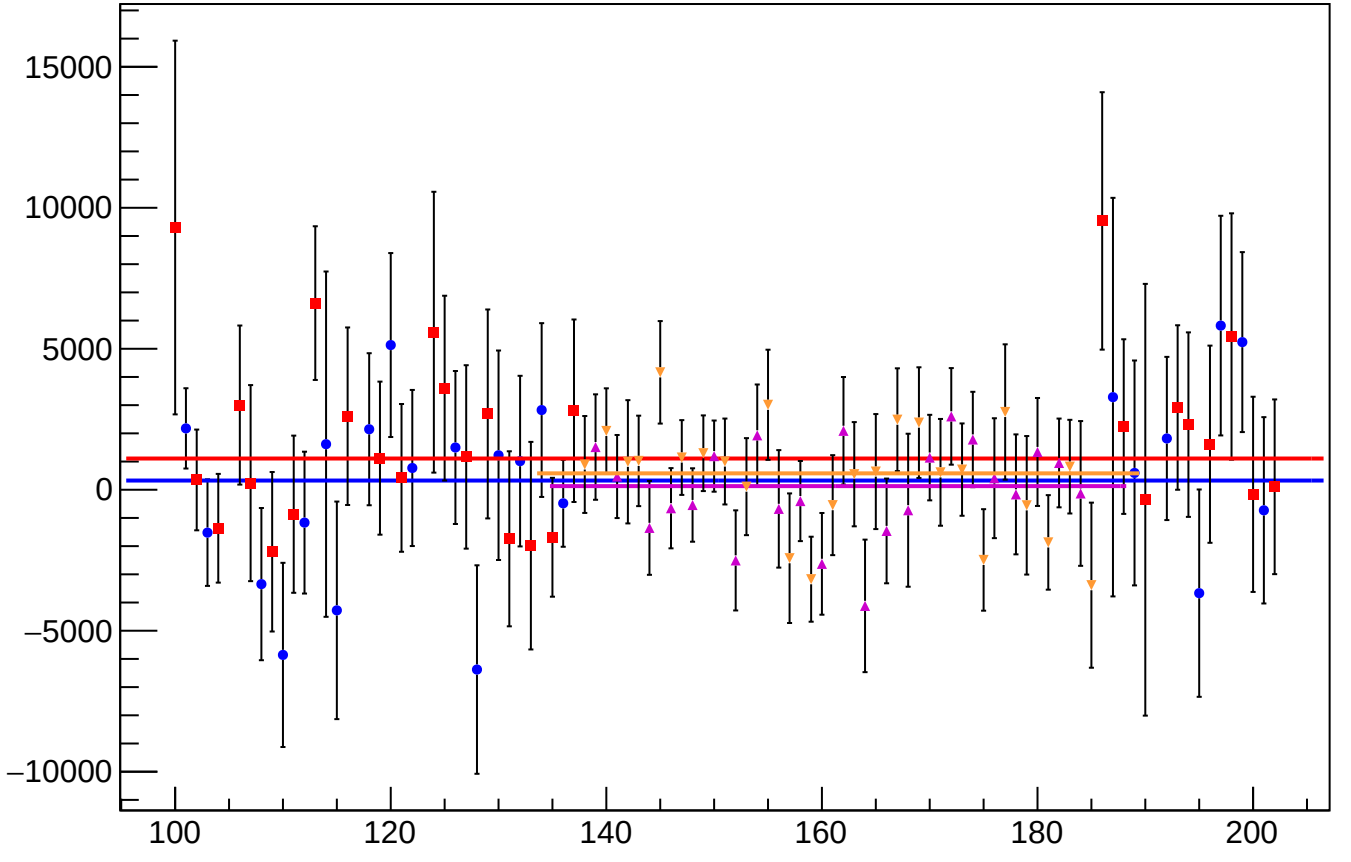
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1101.937+/-0.138 χ^2/NDF: 22003.0/47

All: 1103.336+/-0.097 χ^2/NDF: 55255.0/98

- sign 1104.701+/-0.137 χ^2/NDF: 33049.9/50

asym_usr_dit_correction_mean vs Slug



Right In: 326.502+/-571.003 χ^2/NDF: 23.2/22

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1107.578+/-569.336 χ^2/NDF: 20.6/27

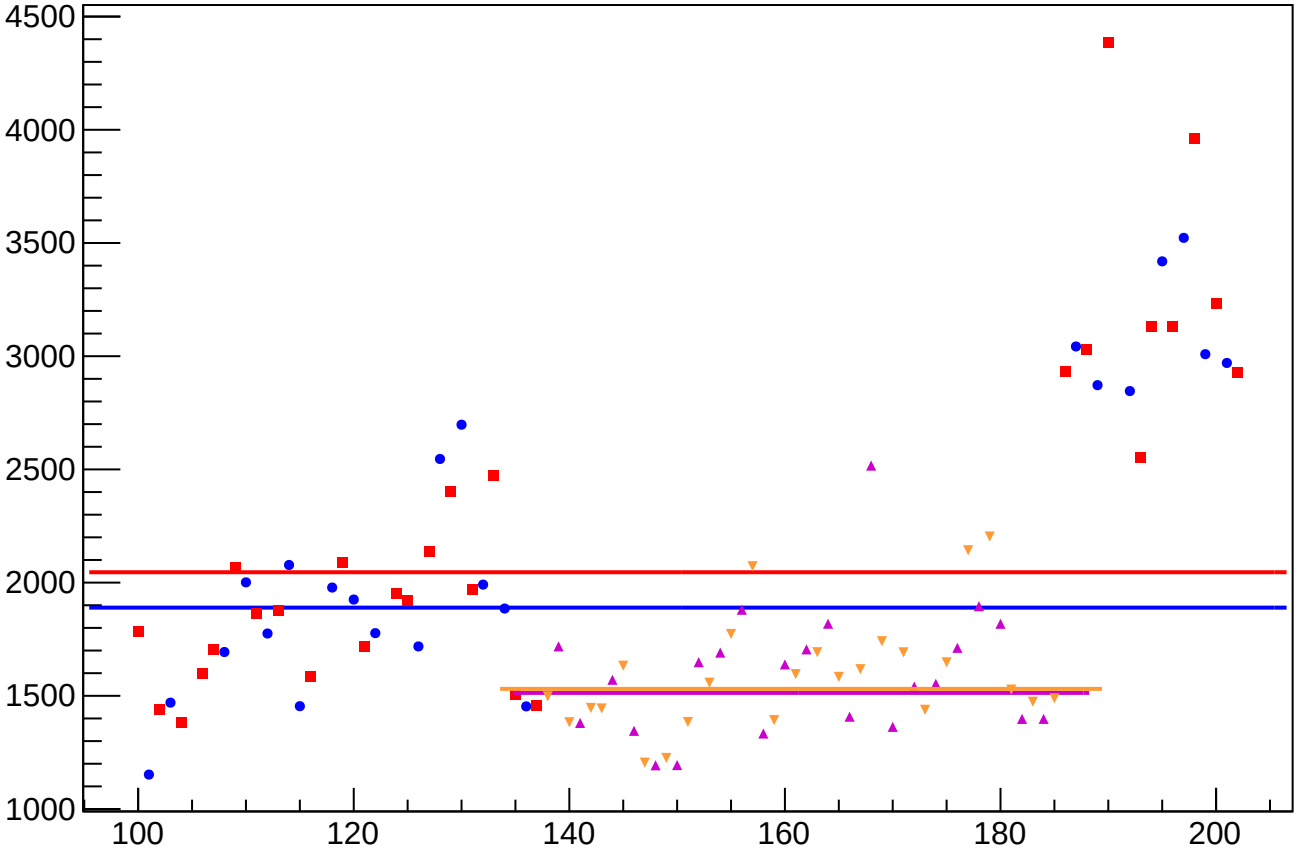
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 510.826+/-300.495 χ^2/NDF: 48.7/47

All: 459.657+/-213.623 χ^2/NDF: 89.3/98

- sign 407.373+/-303.748 χ^2/NDF: 40.6/50

asym_usr_dit_correction_rms vs Slug



Right In: 1889.543+/-0.404 χ^2/NDF: 2563870.3/22

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

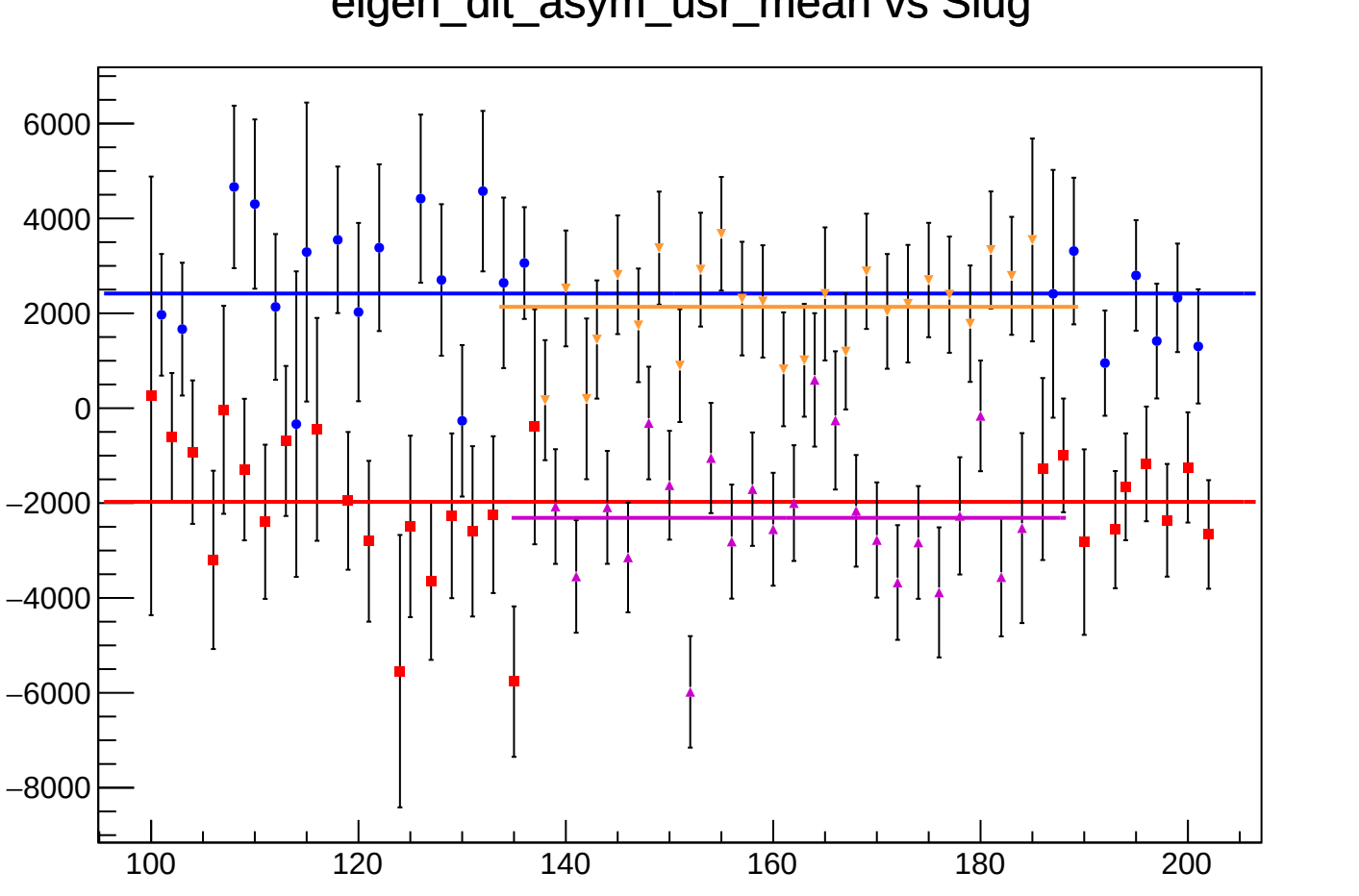
Right Out: 2045.854+/-0.403 χ^2/NDF: 2599351.5/27

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1630.127+/-0.212 χ^2/NDF: 3930425.5/47

All: 1647.194+/-0.151 χ^2/NDF: 8753375.3/98

- sign 1664.631+/-0.215 χ^2/NDF: 4809907.2/50



Right In: 2417.503+/-313.781 χ^2/NDF: 14.8/22

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -1974.622+/-292.988 χ^2/NDF: 16.0/27

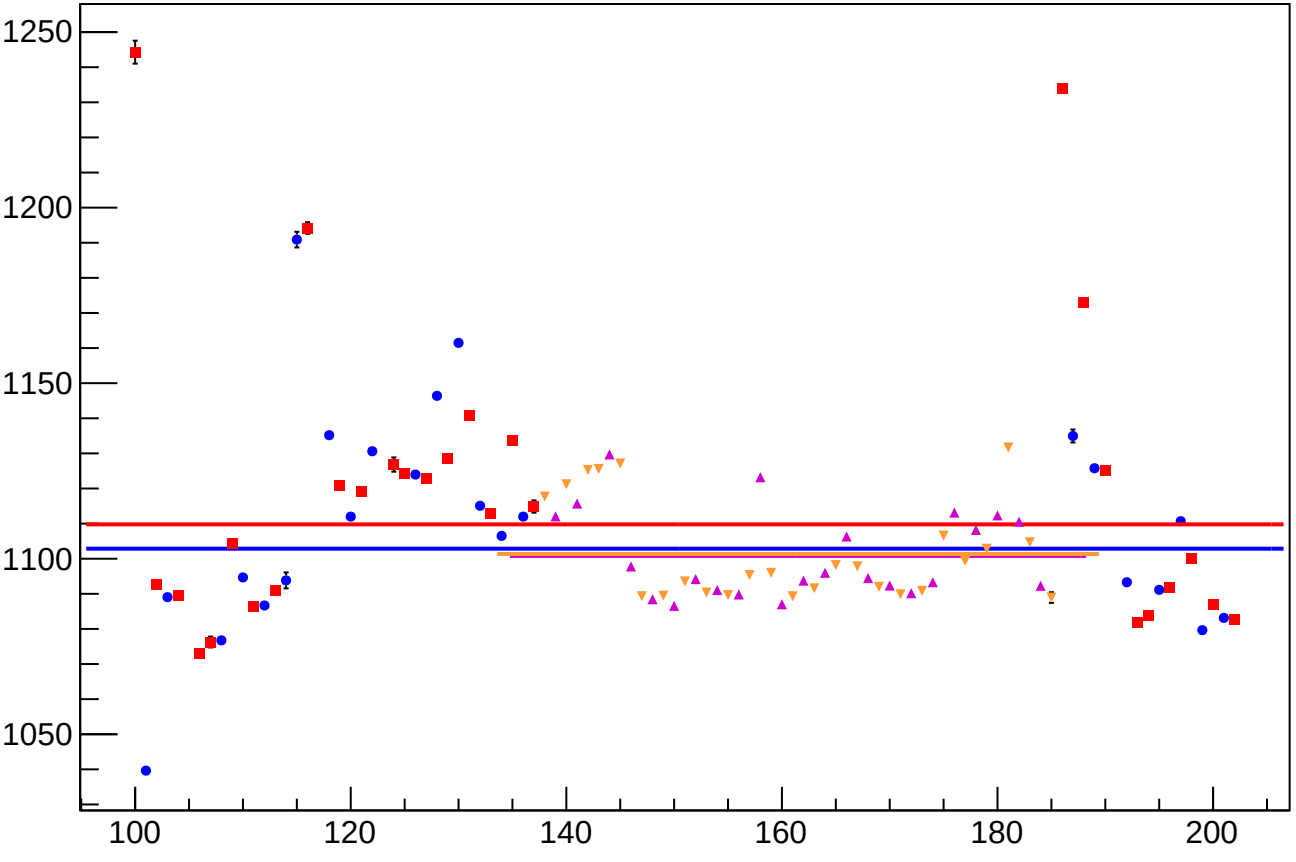
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2246.134+/-195.622 χ^2/NDF: 29.2/47

All: 13.252+/-137.468 χ^2/NDF: 333.3/98

- sign -2165.135+/-193.220 χ^2/NDF: 46.7/50

eigen_dit_asym_usr_rms vs Slug



Right In: 1102.855+/-0.222 χ^2/NDF: 16024.2/22

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1109.780+/-0.207 χ^2/NDF: 27344.7/27

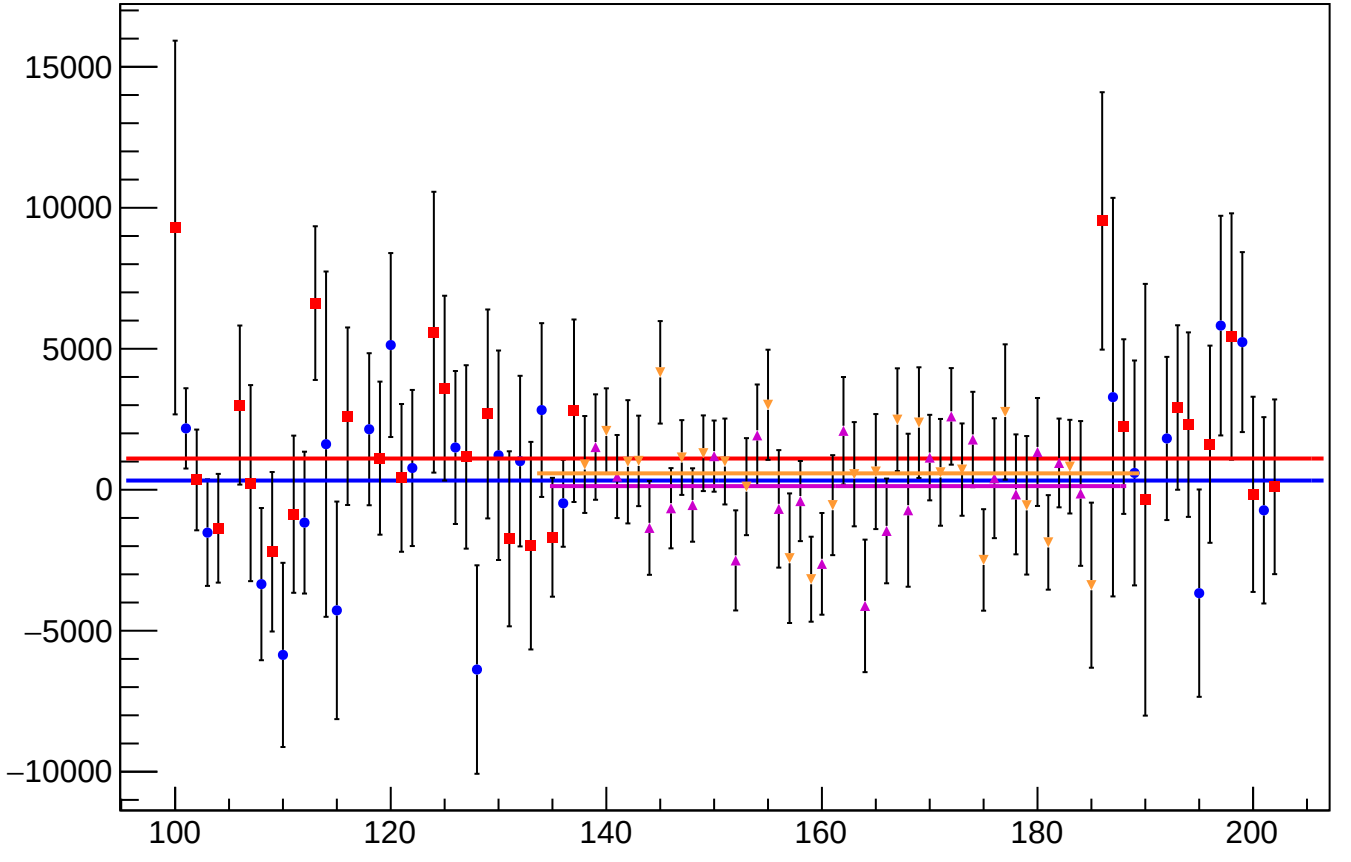
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1101.937+/-0.138 χ^2/NDF: 22002.8/47

All: 1103.336+/-0.097 χ^2/NDF: 55254.8/98

- sign 1104.701+/-0.137 χ^2/NDF: 33049.9/50

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 326.498+/-571.003 χ^2/NDF: 23.2/22

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1107.580+/-569.335 χ^2/NDF: 20.6/27

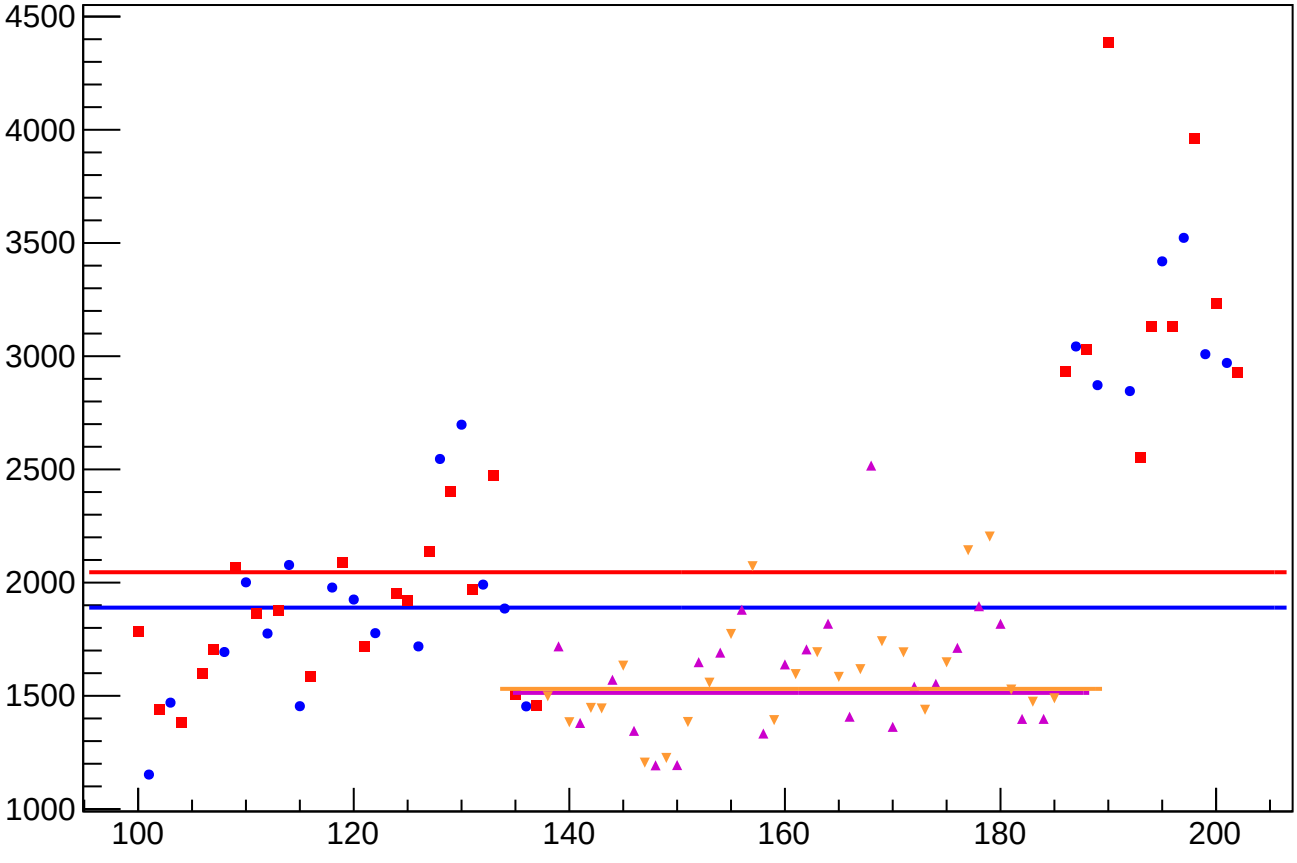
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 510.824+/-300.496 χ^2/NDF: 48.7/47

All: 459.657+/-213.623 χ^2/NDF: 89.3/98

- sign 407.375+/-303.748 χ^2/NDF: 40.6/50

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1889.541+/-0.404 χ^2/NDF: 2563868.0/22

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

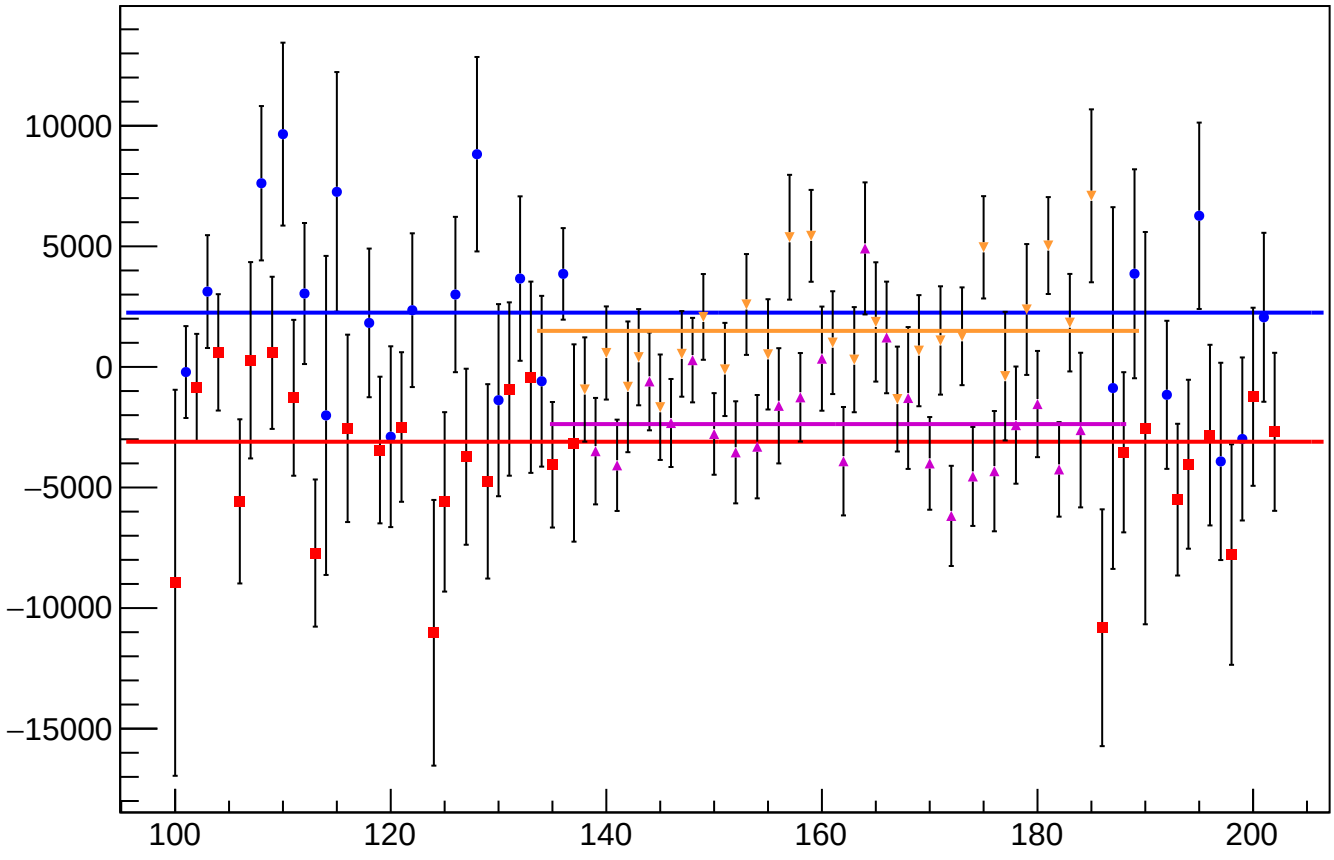
Right Out: 2045.852+/-0.403 χ^2/NDF: 2599345.5/27

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1630.130+/-0.212 χ^2/NDF: 3930407.6/47

All: 1647.196+/-0.151 χ^2/NDF: 8753331.6/98

- sign 1664.634+/-0.215 χ^2/NDF: 4809881.2/50



Right In: 2251.134+/-671.550 χ^2/NDF: 24.2/22

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3102.367+/-656.422 χ^2/NDF: 17.3/27

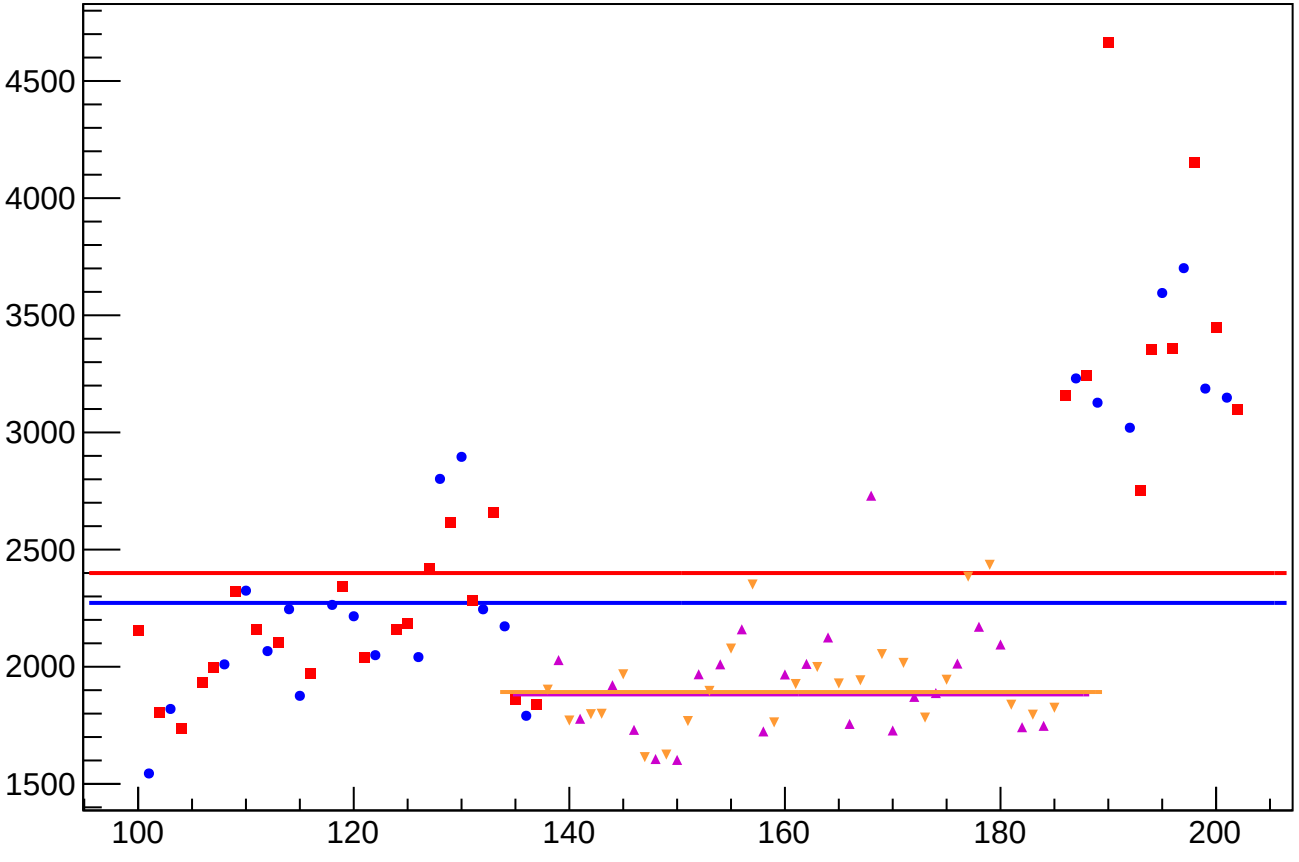
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1717.199+/-364.028 χ^2/NDF: 48.9/47

All: -422.635+/-258.512 χ^2/NDF: 160.4/98

- sign -2599.620+/-367.175 χ^2/NDF: 41.8/50

asym_usr_rms vs Slug



Right In: 2272.467+/-0.475 χ^2/NDF: 1616664.5/22

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

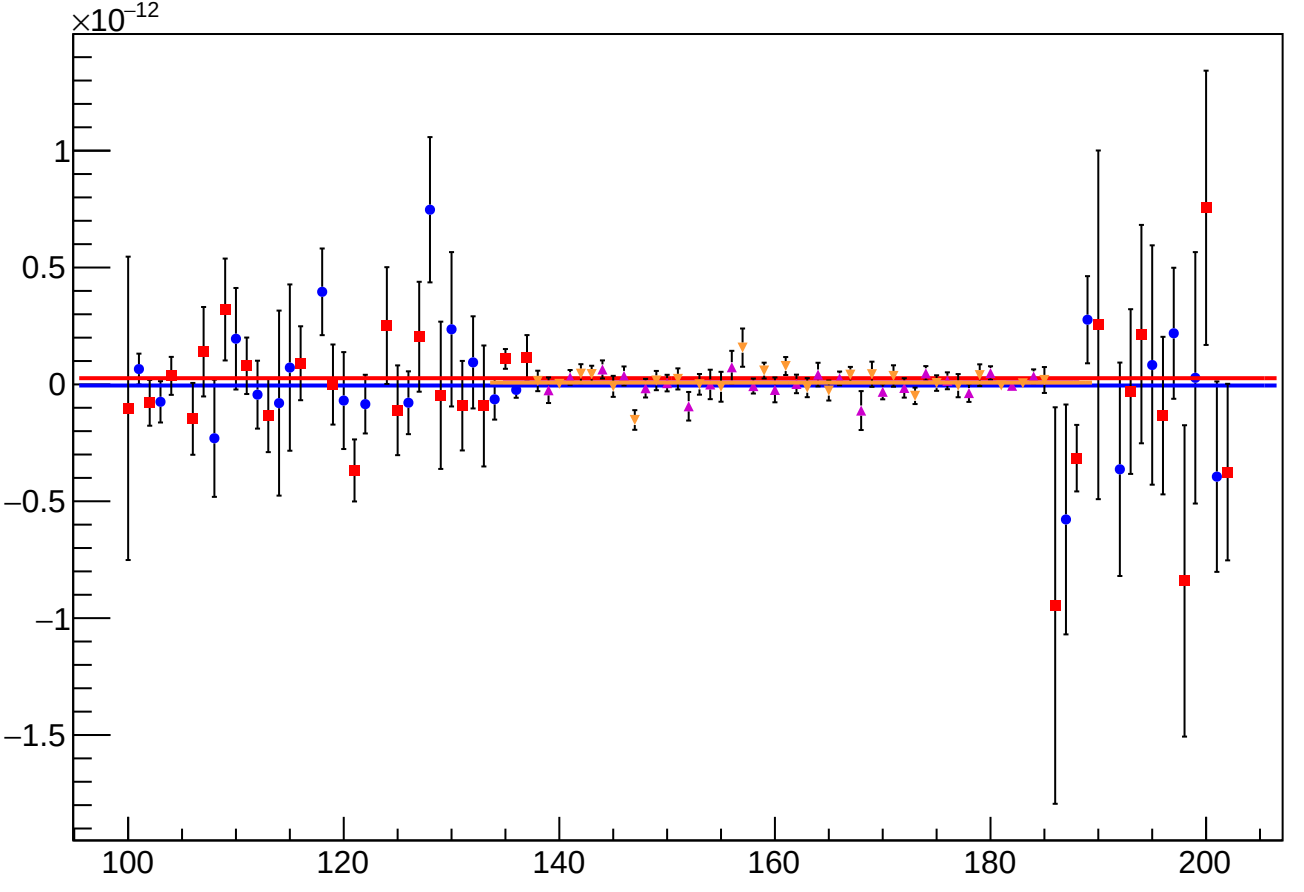
Right Out: 2399.895+/-0.464 χ^2/NDF: 1768056.7/27

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 2003.880+/-0.257 χ^2/NDF: 2459358.2/47

All: 2023.750+/-0.183 χ^2/NDF: 5557874.3/98

- sign 2043.965+/-0.260 χ^2/NDF: 3086494.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/27

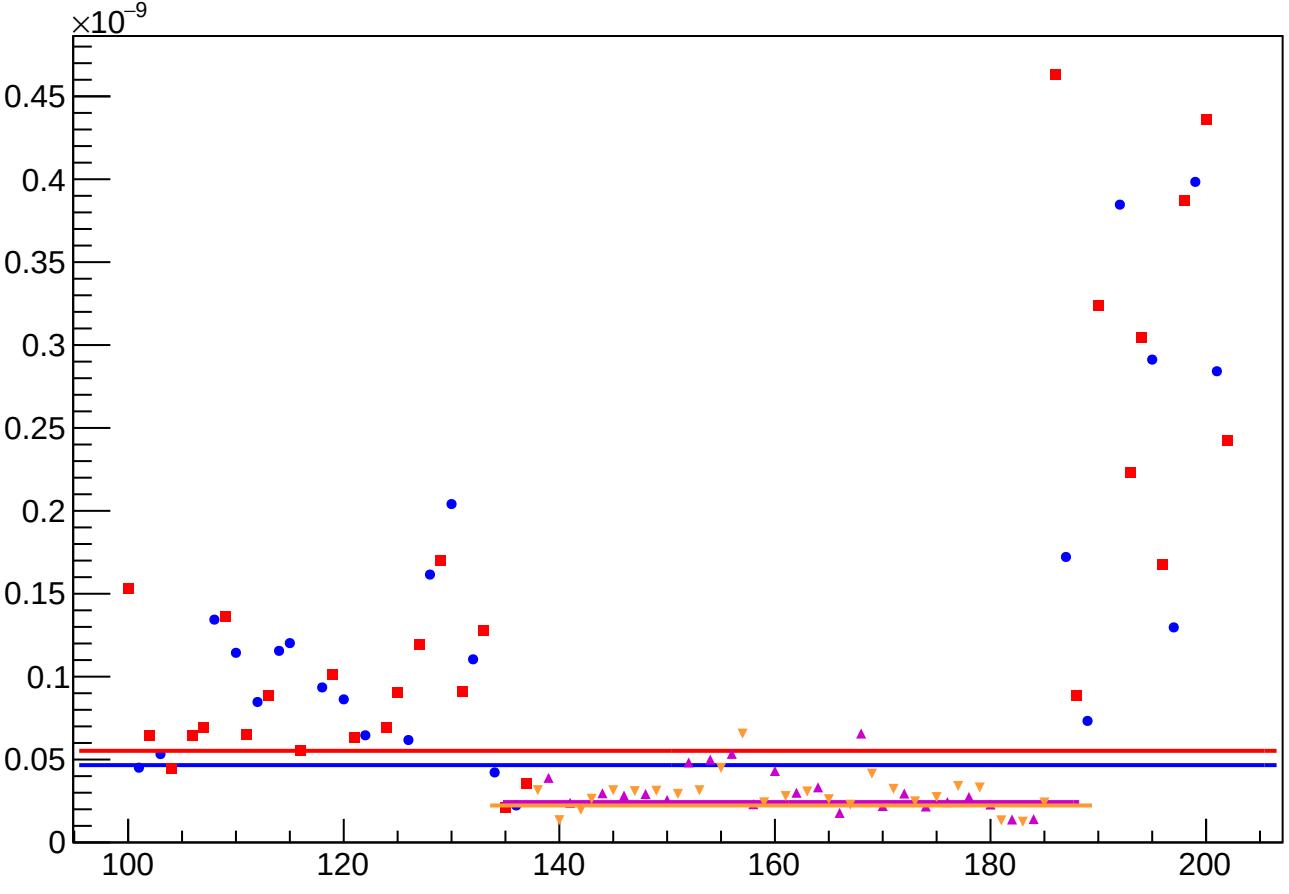
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.9/47

All: 0.000+/-0.000 χ^2/NDF: 108.6/98

- sign 0.000+/-0.000 χ^2/NDF: 53.6/50

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6436073.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

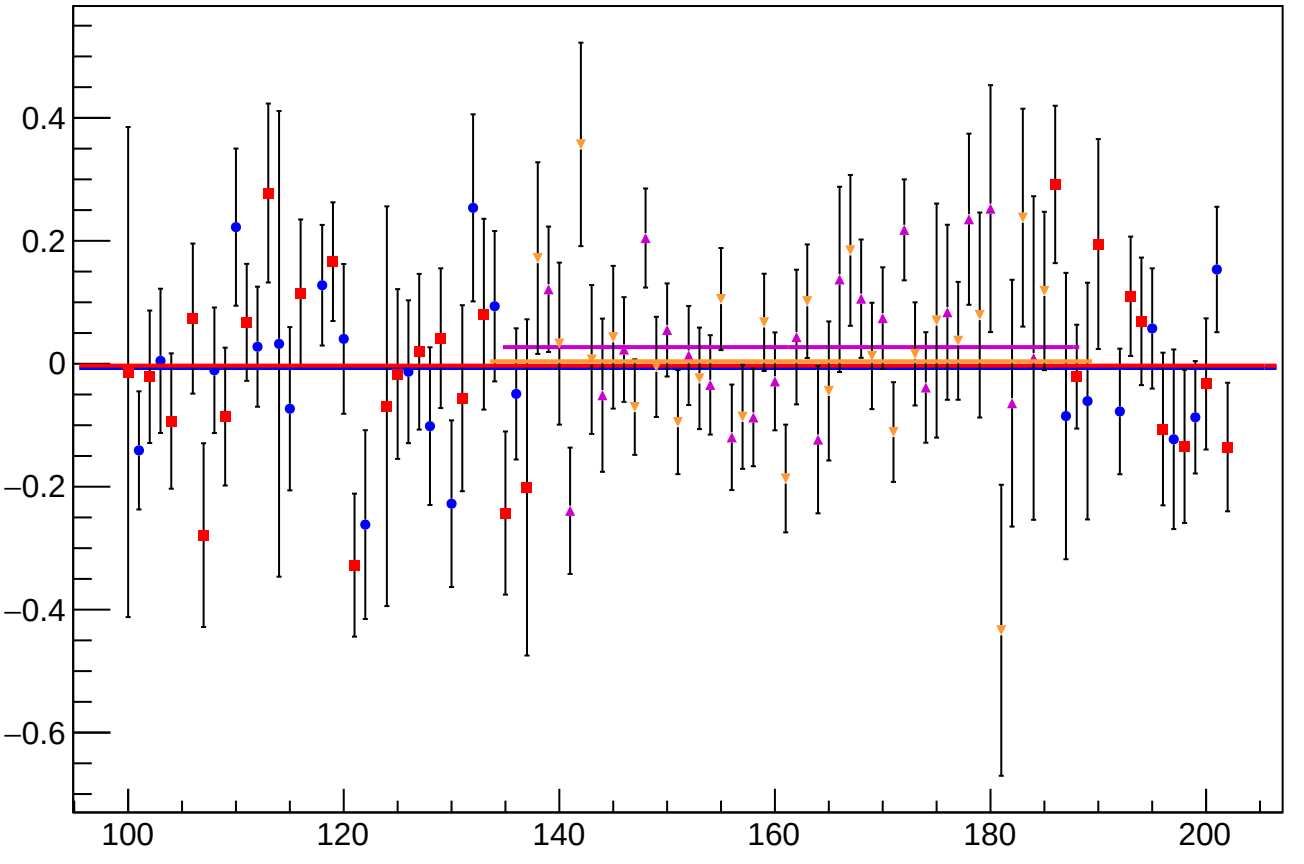
Right Out: 0.000+/-0.000 χ^2/NDF: 6642640.8/27

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11986670.4/47

All: 0.000+/-0.000 χ^2/NDF: 24458787.5/98

- sign 0.000+/-0.000 χ^2/NDF: 12340433.1/50



Right In: -0.007+/-0.025 χ^2/NDF: 22.3/22

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.003+/-0.023 χ^2/NDF: 37.6/27

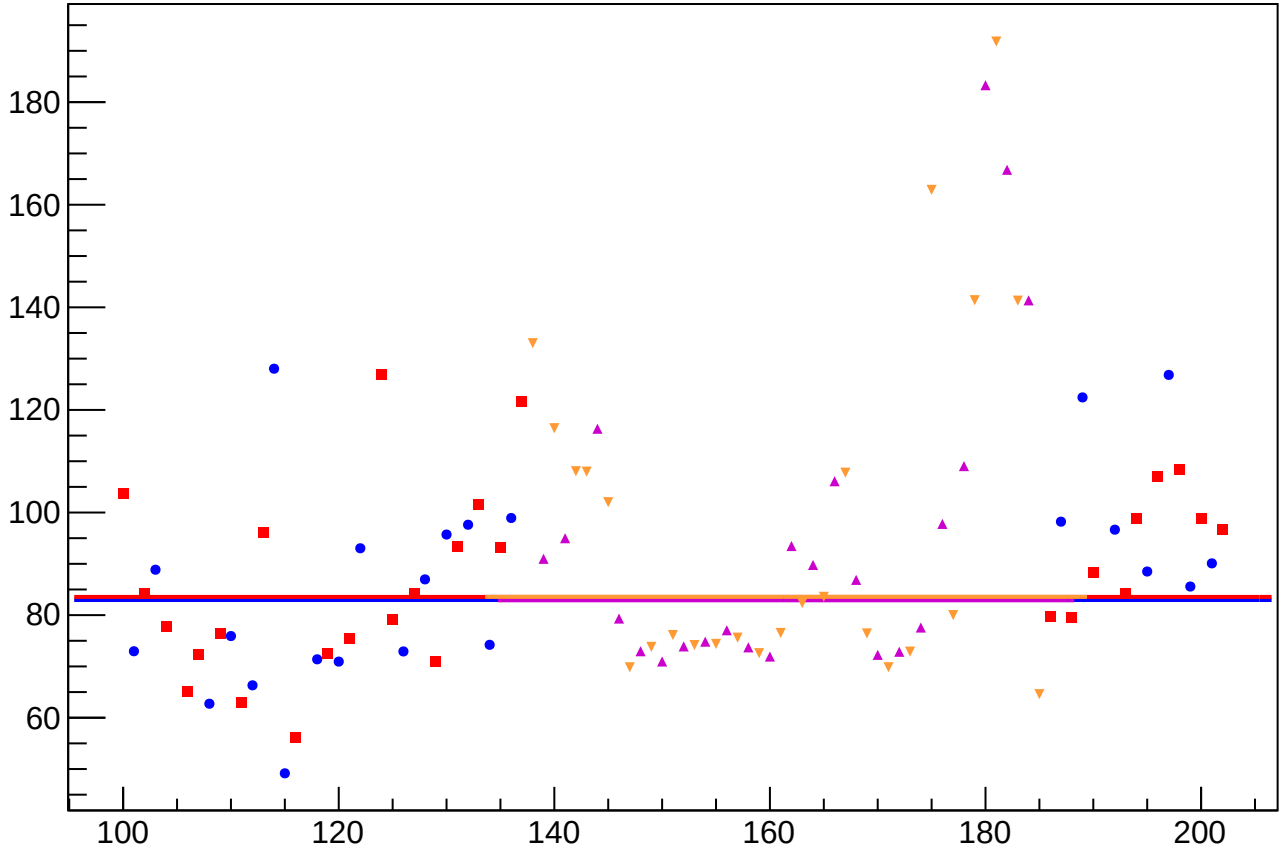
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.000+/-0.016 χ^2/NDF: 50.6/47

All: 0.007+/-0.011 χ^2/NDF: 121.5/98

- sign 0.014+/-0.015 χ^2/NDF: 70.5/50

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 82.947+/-0.018 χ^2/NDF: 818056.6/22

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

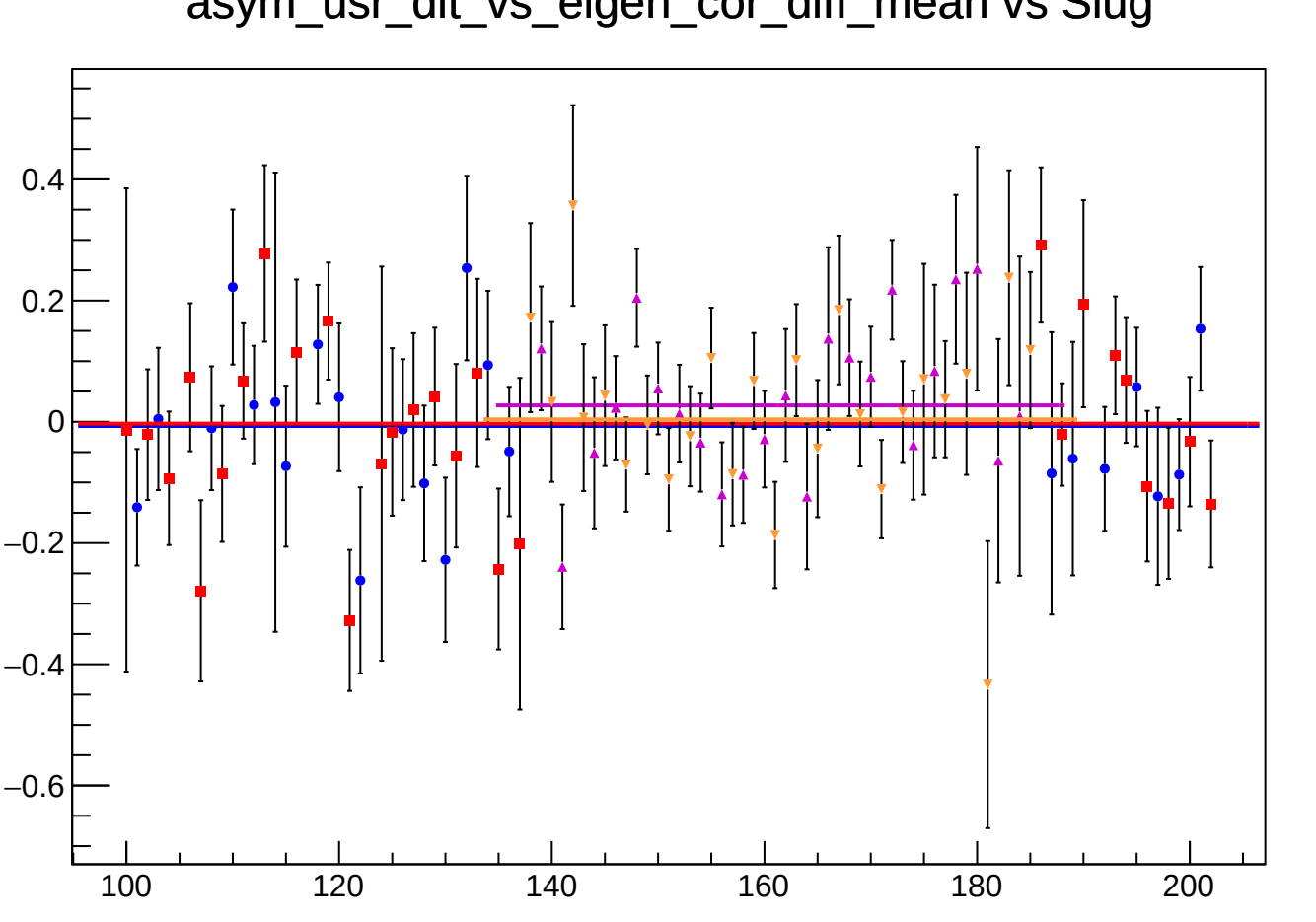
Right Out: 83.550+/-0.016 χ^2/NDF: 744403.8/27

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 83.317+/-0.011 χ^2/NDF: 2991728.1/47

All: 83.248+/-0.008 χ^2/NDF: 5310121.7/98

- sign 83.182+/-0.011 χ^2/NDF: 2318317.8/50



Right In: -0.007+/-0.025 χ^2/NDF: 22.3/22

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

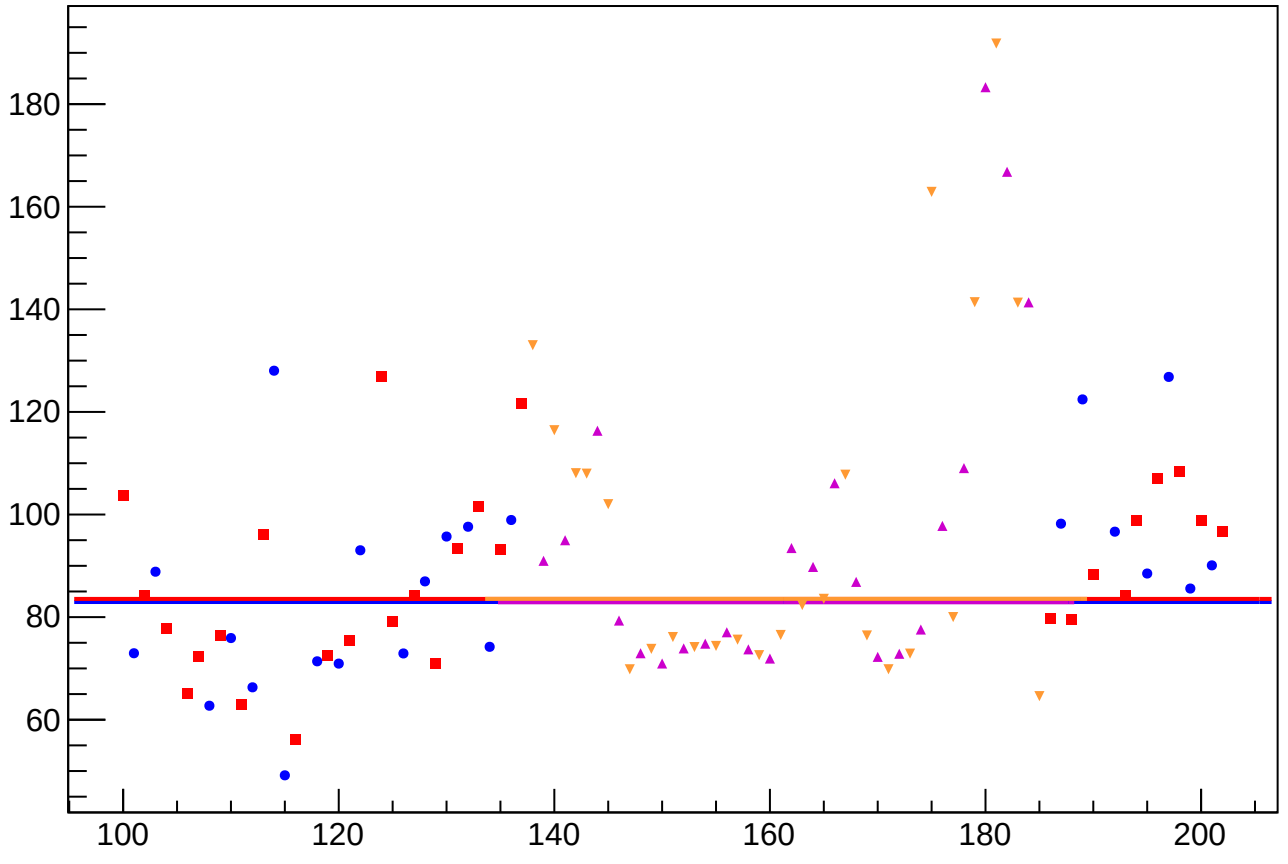
Right Out: -0.003+/-0.023 χ^2/NDF: 37.6/27

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.000+/-0.016 χ^2/NDF: 50.6/47

All: 0.007+/-0.011 χ^2/NDF: 121.5/98

- sign 0.014+/-0.015 χ^2/NDF: 70.5/50



Right In: 82.947+/-0.018 χ^2/NDF: 818056.6/22

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.550+/-0.016 χ^2/NDF: 744403.8/27

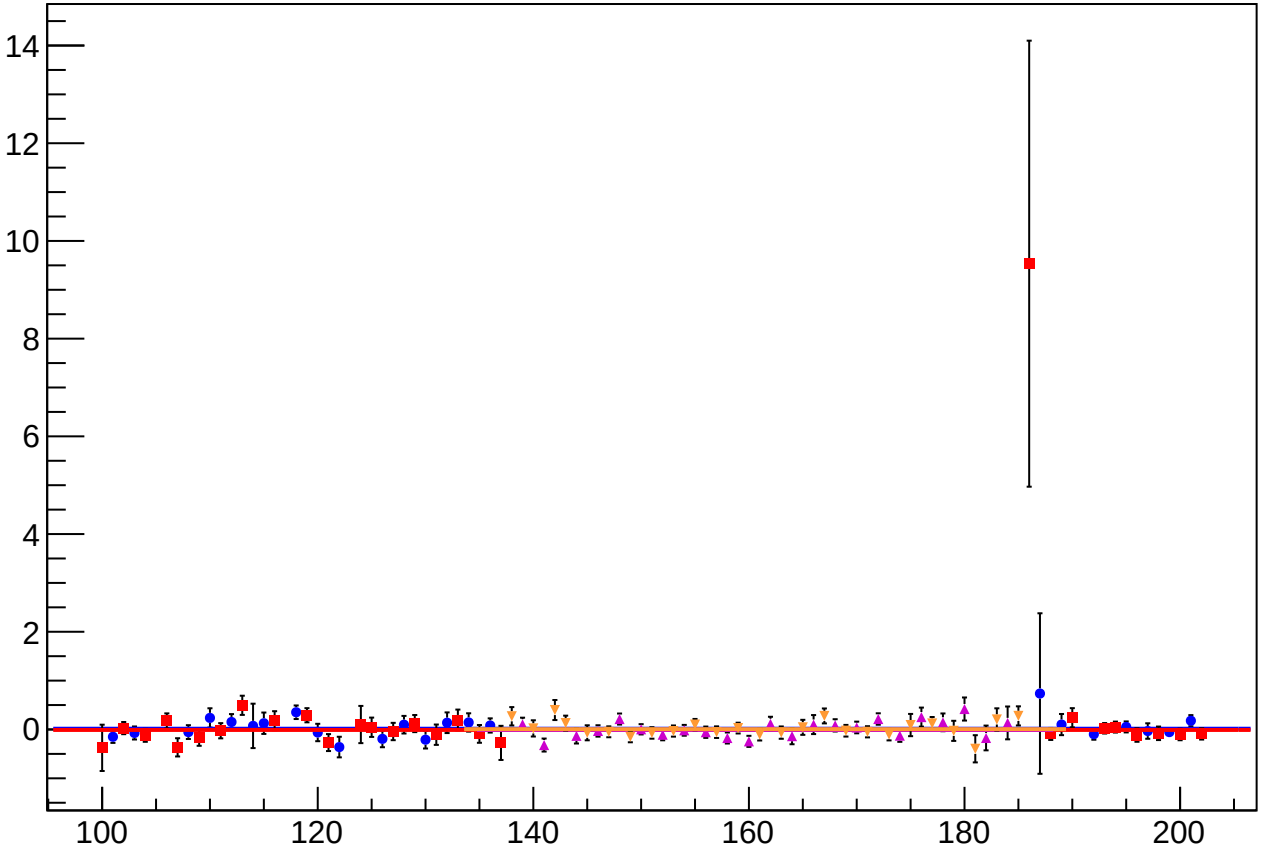
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 83.317+/-0.011 χ^2/NDF: 2991728.1/47

All: 83.248+/-0.008 χ^2/NDF: 5310121.7/98

- sign 83.182+/-0.011 χ^2/NDF: 2318317.8/50

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.015+/-0.032 χ^2/NDF: 22.2/22

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.010+/-0.030 χ^2/NDF: 32.8/27

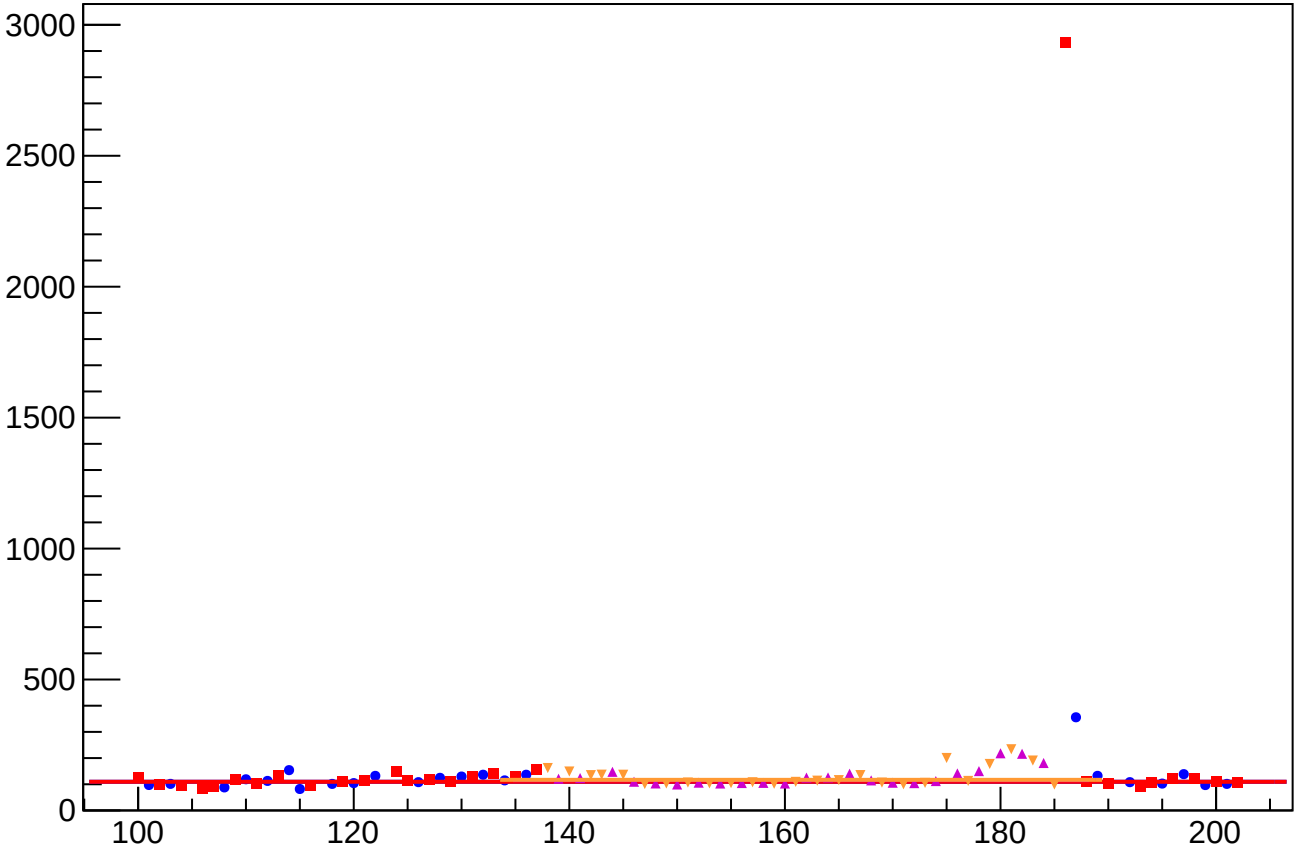
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.021 χ^2/NDF: 43.6/47

All: -0.000+/-0.015 χ^2/NDF: 108.1/98

- sign -0.010+/-0.021 χ^2/NDF: 64.1/50

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 109.467+/-0.023 χ^2/NDF: 483275.2/22

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 109.520+/-0.021 χ^2/NDF: 1171485.2/27

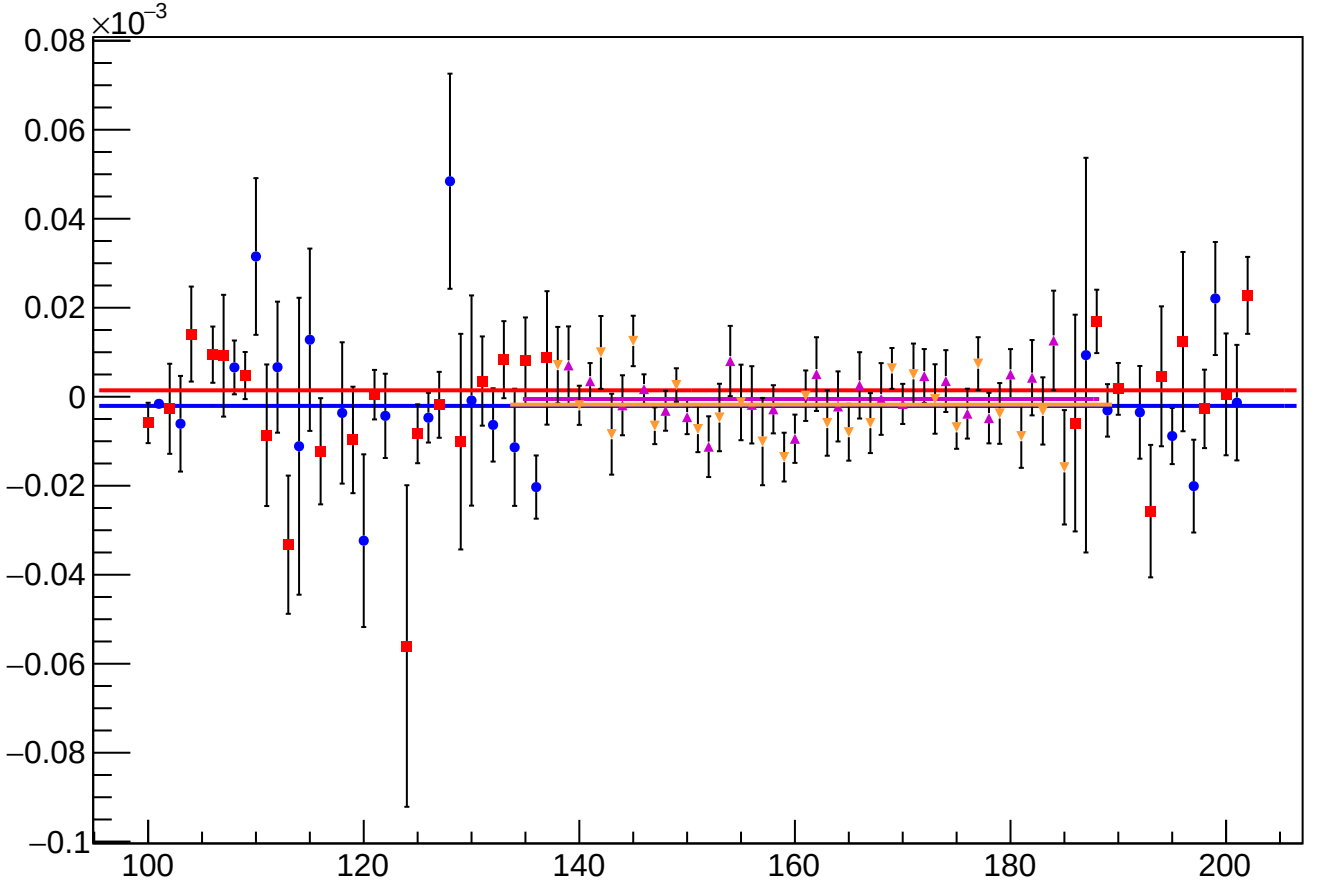
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 113.750+/-0.015 χ^2/NDF: 2140416.4/47

All: 113.321+/-0.010 χ^2/NDF: 4591971.3/98

- sign 112.912+/-0.015 χ^2/NDF: 2449941.0/50

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.4/27

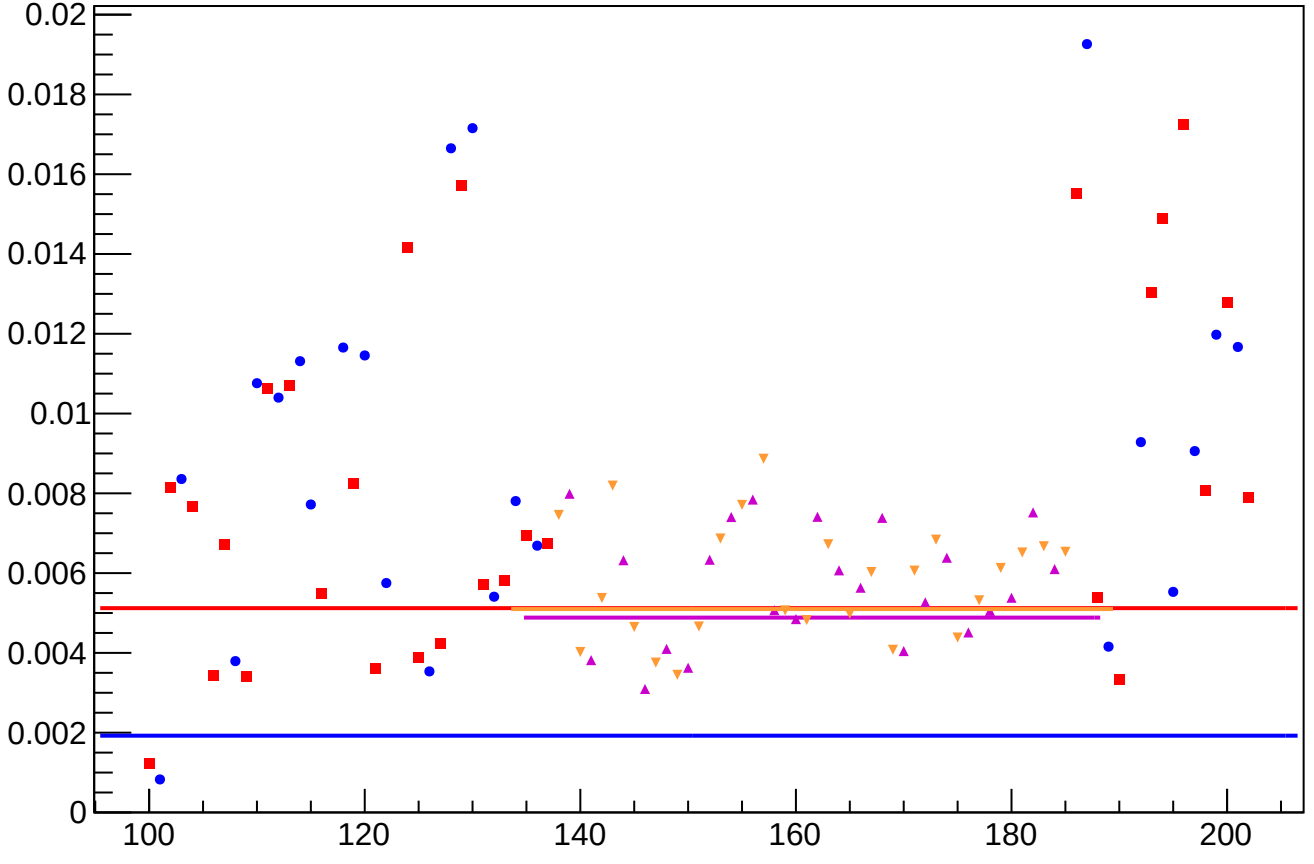
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/47

All: -0.000+/-0.000 χ^2/NDF: 115.3/98

- sign 0.000+/-0.000 χ^2/NDF: 51.9/50

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 15112205.8/22

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7330522.9/27

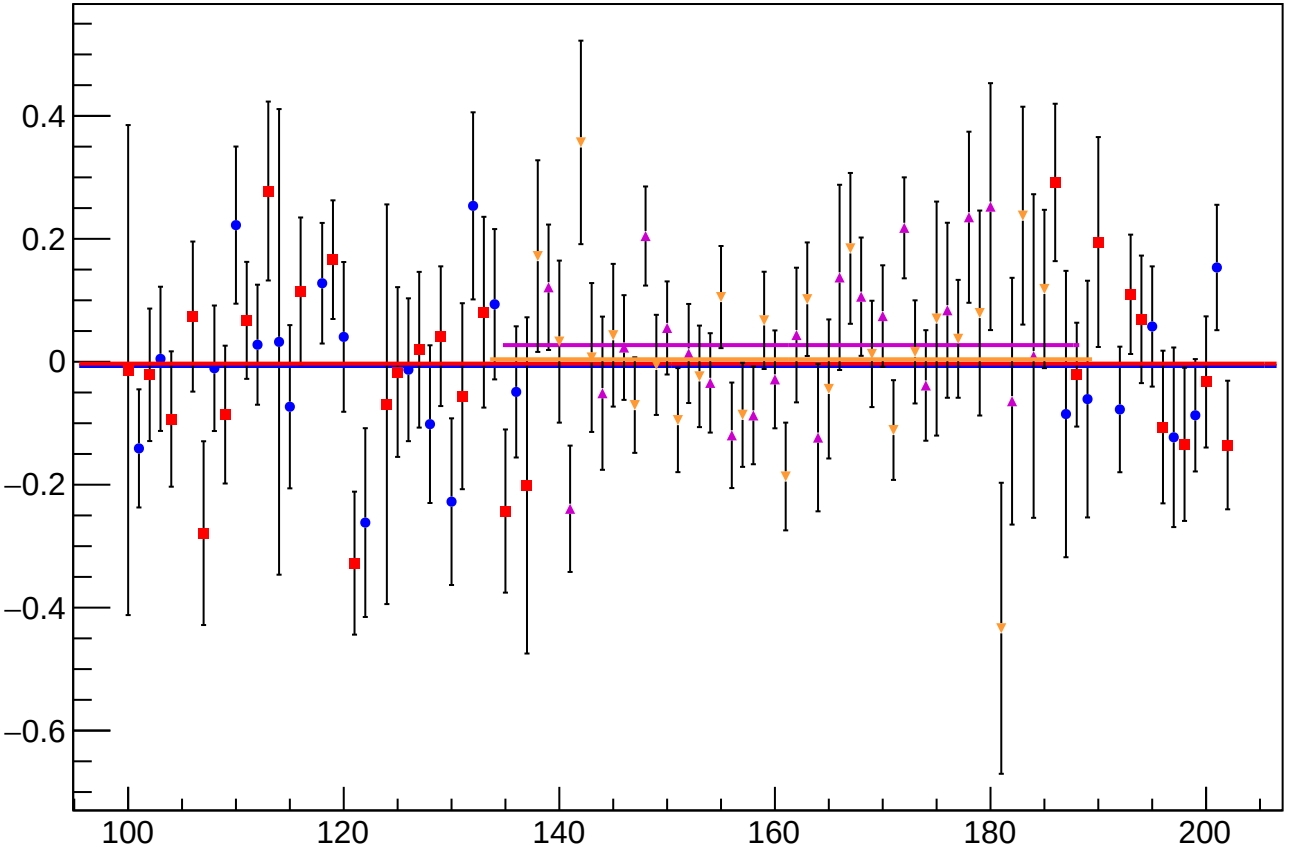
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 26088128.9/47

All: 0.004+/-0.000 χ^2/NDF: 40792671.5/98

- sign 0.005+/-0.000 χ^2/NDF: 10082899.2/50

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.025 χ^2/NDF: 22.3/22

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.003+/-0.023 χ^2/NDF: 37.6/27

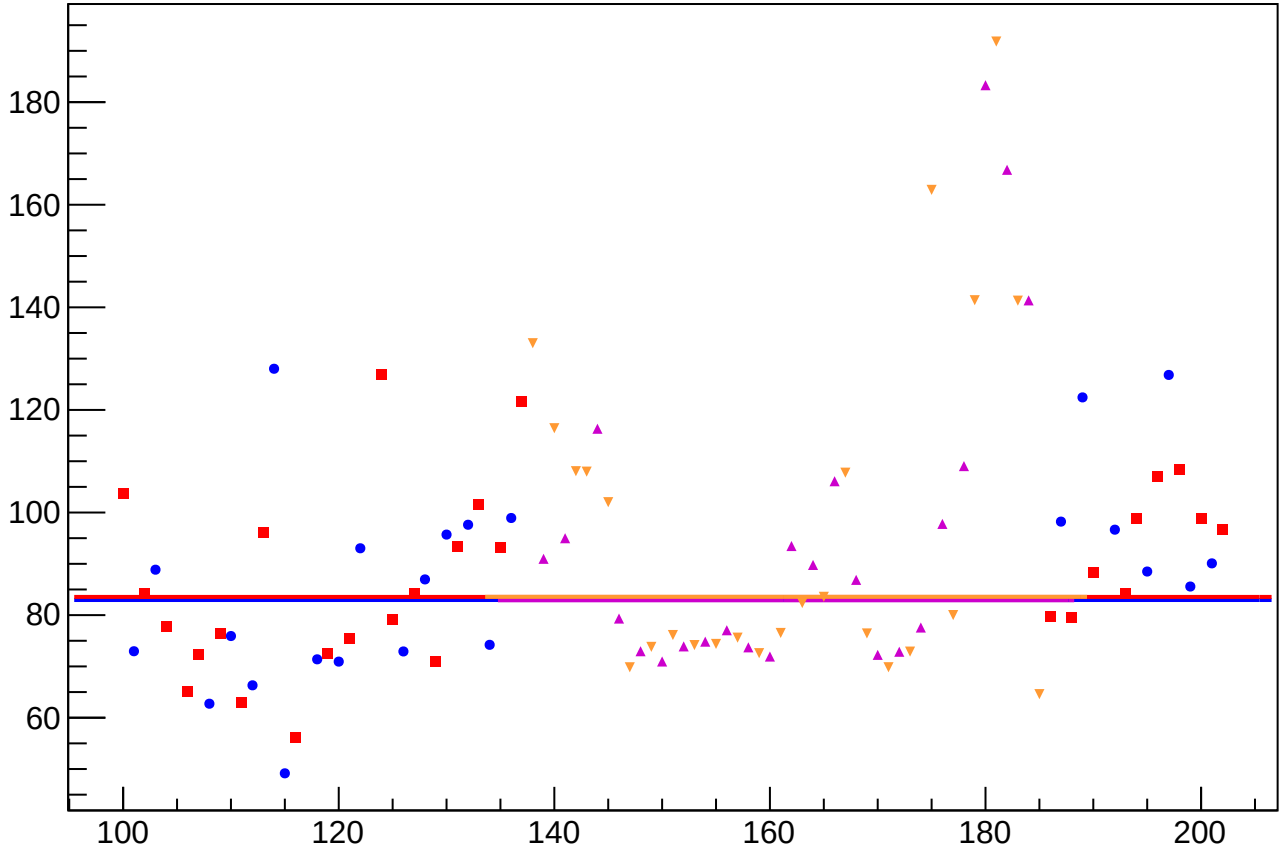
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.000+/-0.016 χ^2/NDF: 50.6/47

All: 0.007+/-0.011 χ^2/NDF: 121.5/98

- sign 0.014+/-0.015 χ^2/NDF: 70.5/50

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 82.945+/-0.018 χ^2/NDF: 818081.3/22

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

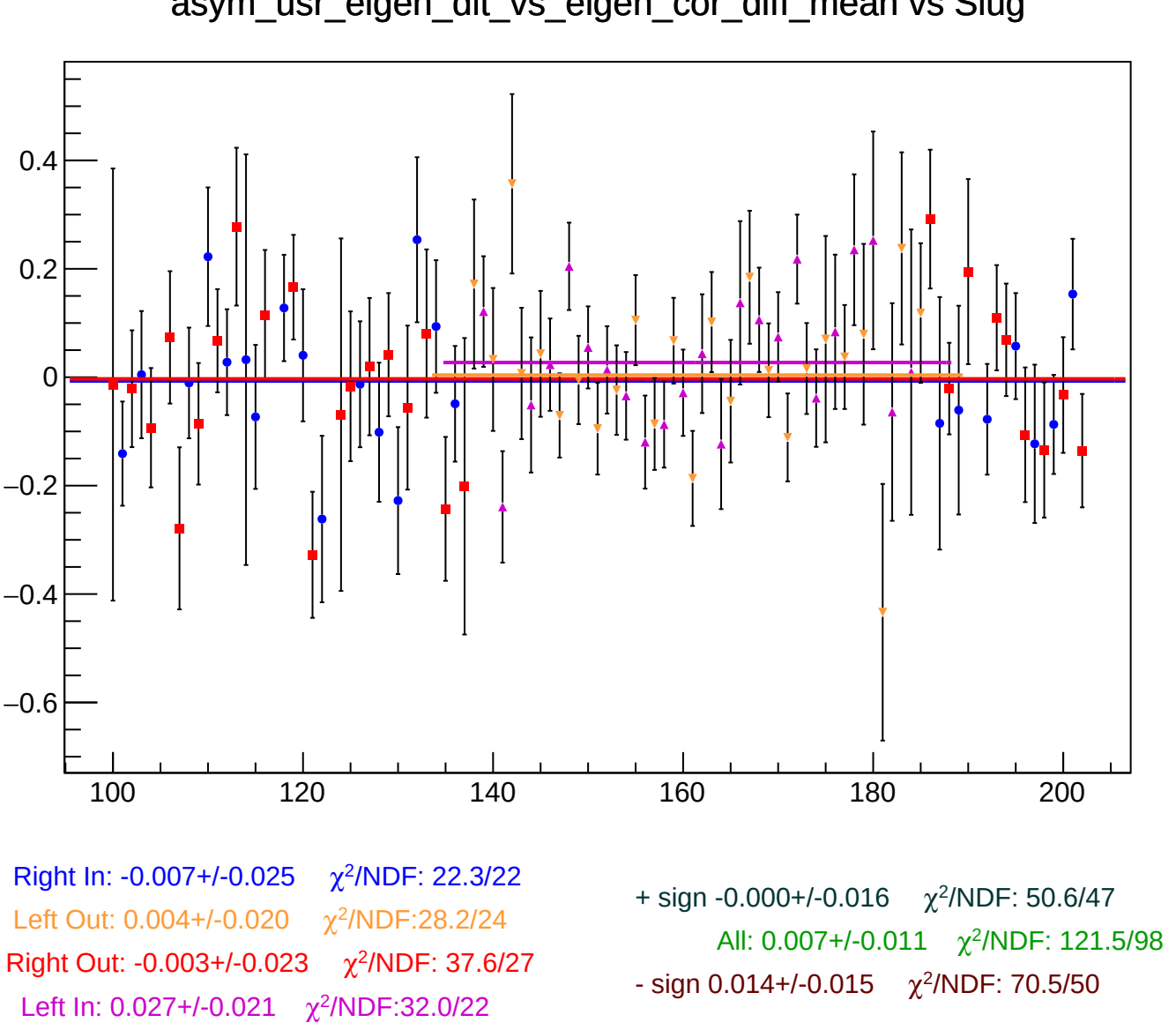
Right Out: 83.549+/-0.016 χ^2/NDF: 744408.8/27

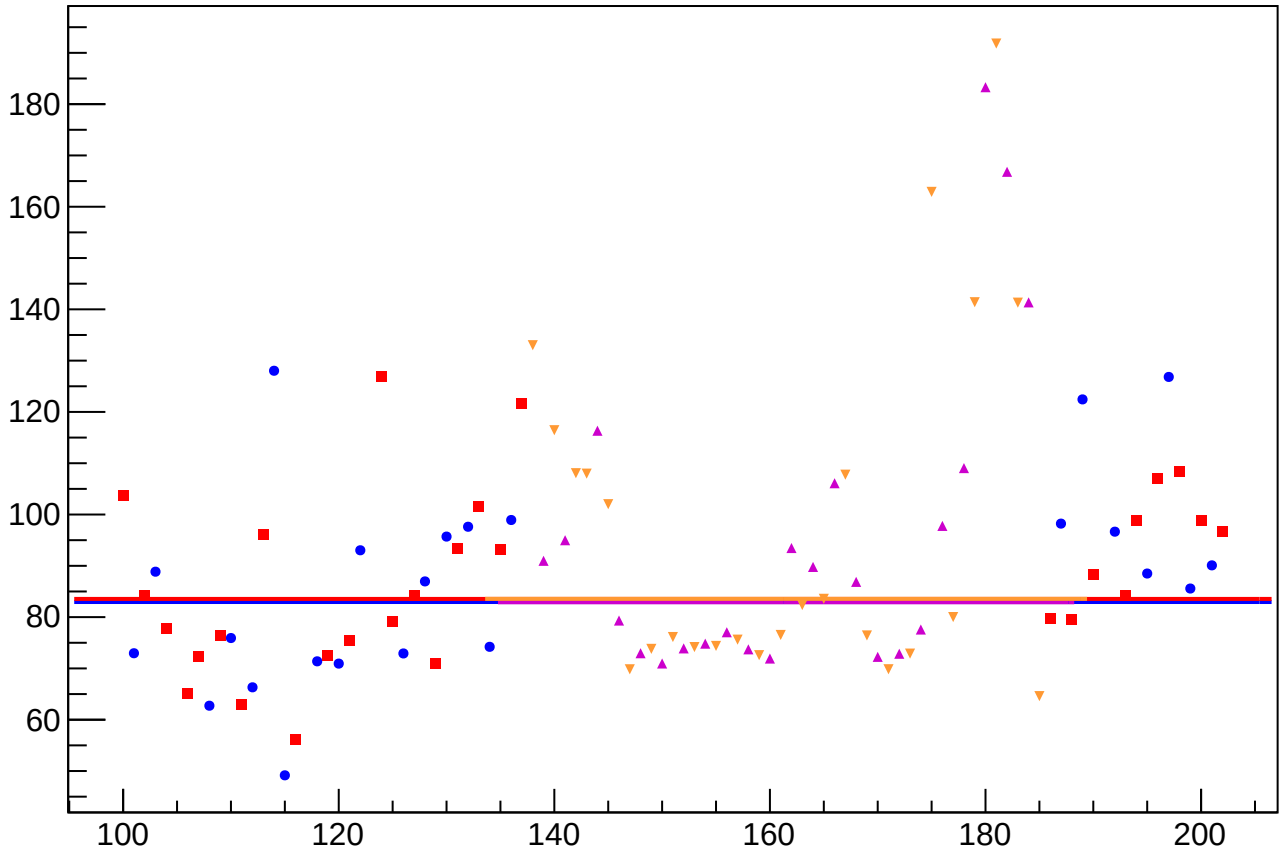
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 83.317+/-0.011 χ^2/NDF: 2991746.9/47

All: 83.248+/-0.008 χ^2/NDF: 5310118.5/98

- sign 83.182+/-0.011 χ^2/NDF: 2318295.5/50


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.007+/-0.025 χ²/NDF: 22.3/22
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: -0.003+/-0.023 χ²/NDF: 37.6/27
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign -0.000+/-0.016 χ²/NDF: 50.6/47
All: 0.007+/-0.011 χ²/NDF: 121.5/98
- sign 0.014+/-0.015 χ²/NDF: 70.5/50



Right In: 82.945+/-0.018 χ^2/NDF: 818081.3/22

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 83.549+/-0.016 χ^2/NDF: 744408.8/27

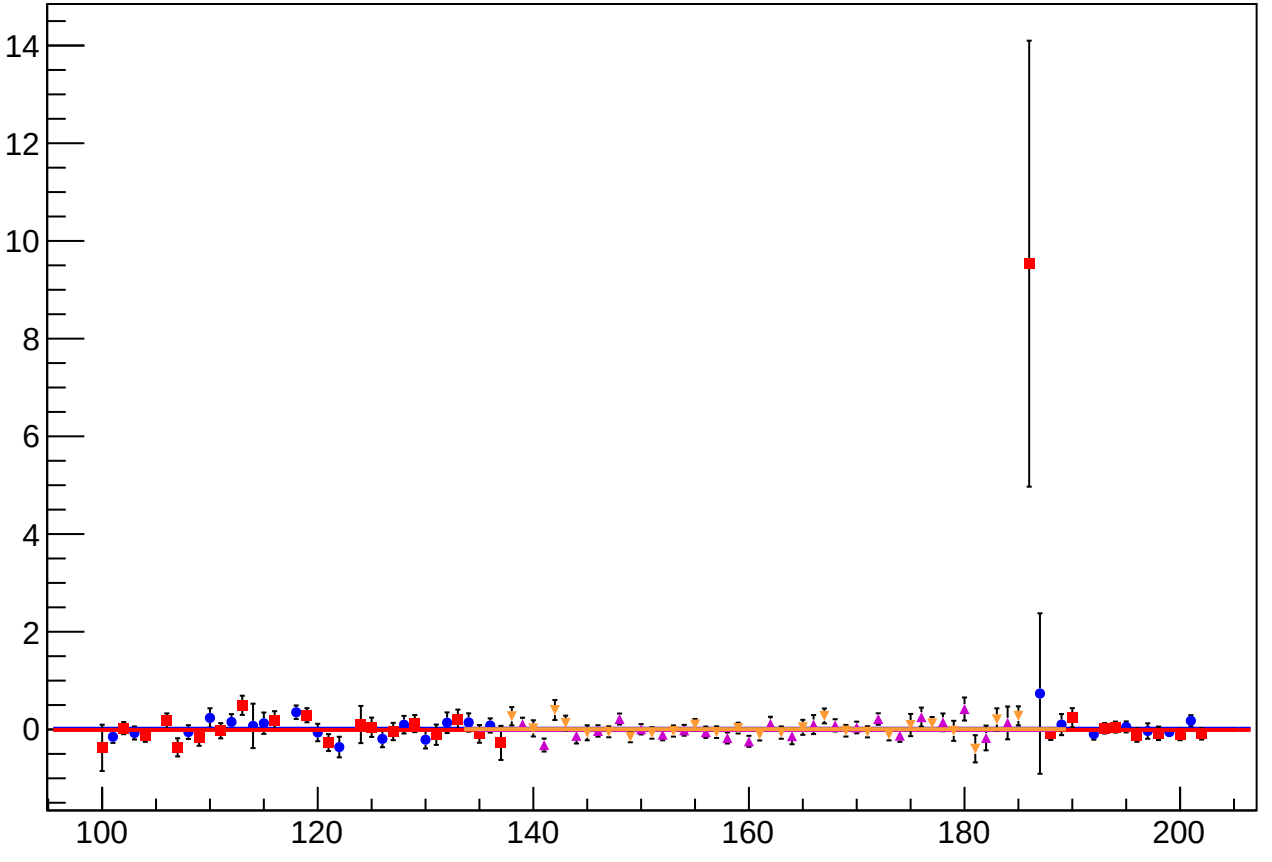
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 83.317+/-0.011 χ^2/NDF: 2991746.9/47

All: 83.248+/-0.008 χ^2/NDF: 5310118.5/98

- sign 83.182+/-0.011 χ^2/NDF: 2318295.5/50

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.015+/-0.032 χ^2/NDF: 22.2/22

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

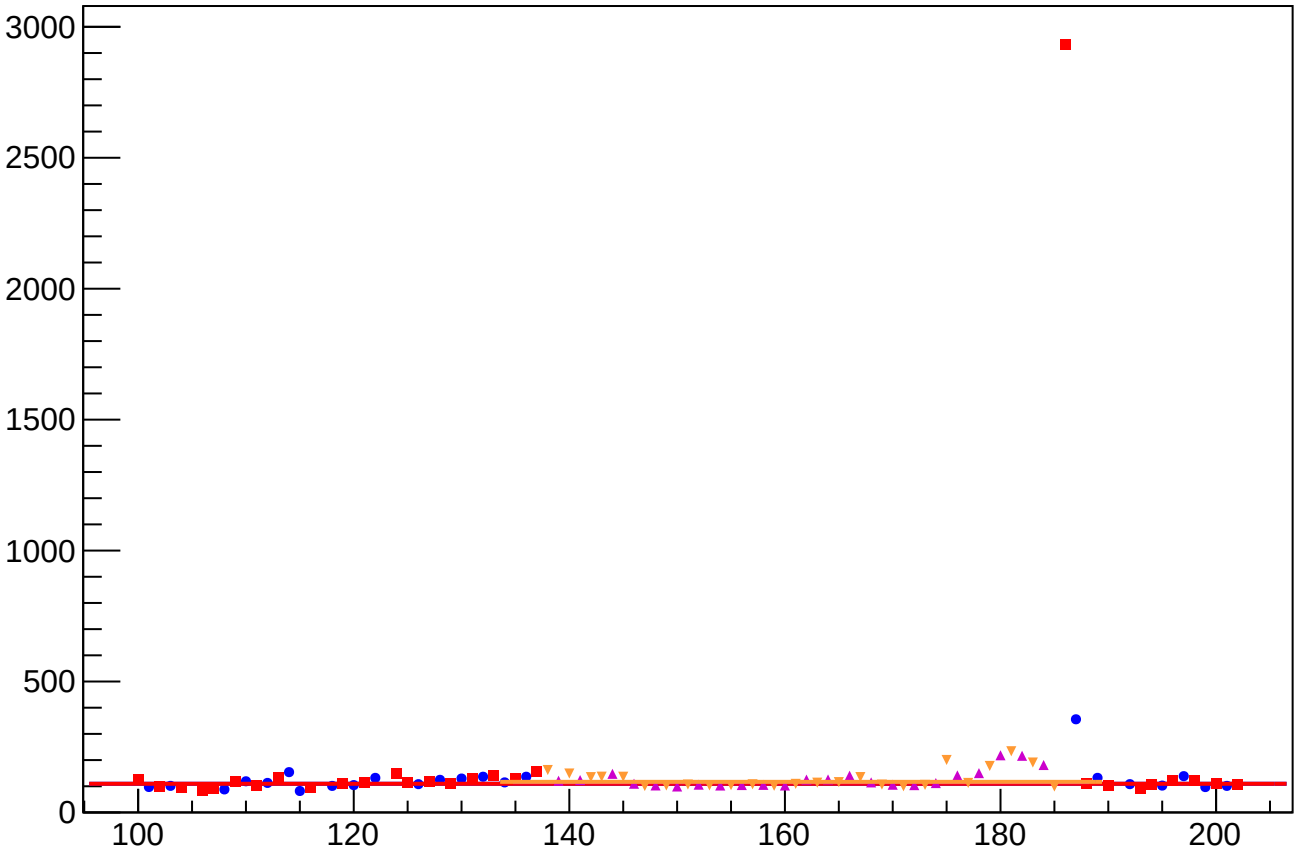
Right Out: -0.010+/-0.030 χ^2/NDF: 32.8/27

Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.021 χ^2/NDF: 43.6/47

All: -0.000+/-0.015 χ^2/NDF: 108.1/98

- sign -0.010+/-0.021 χ^2/NDF: 64.1/50



Right In: 109.467+/-0.023 χ^2/NDF: 483242.7/22

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 109.519+/-0.021 χ^2/NDF: 1171458.4/27

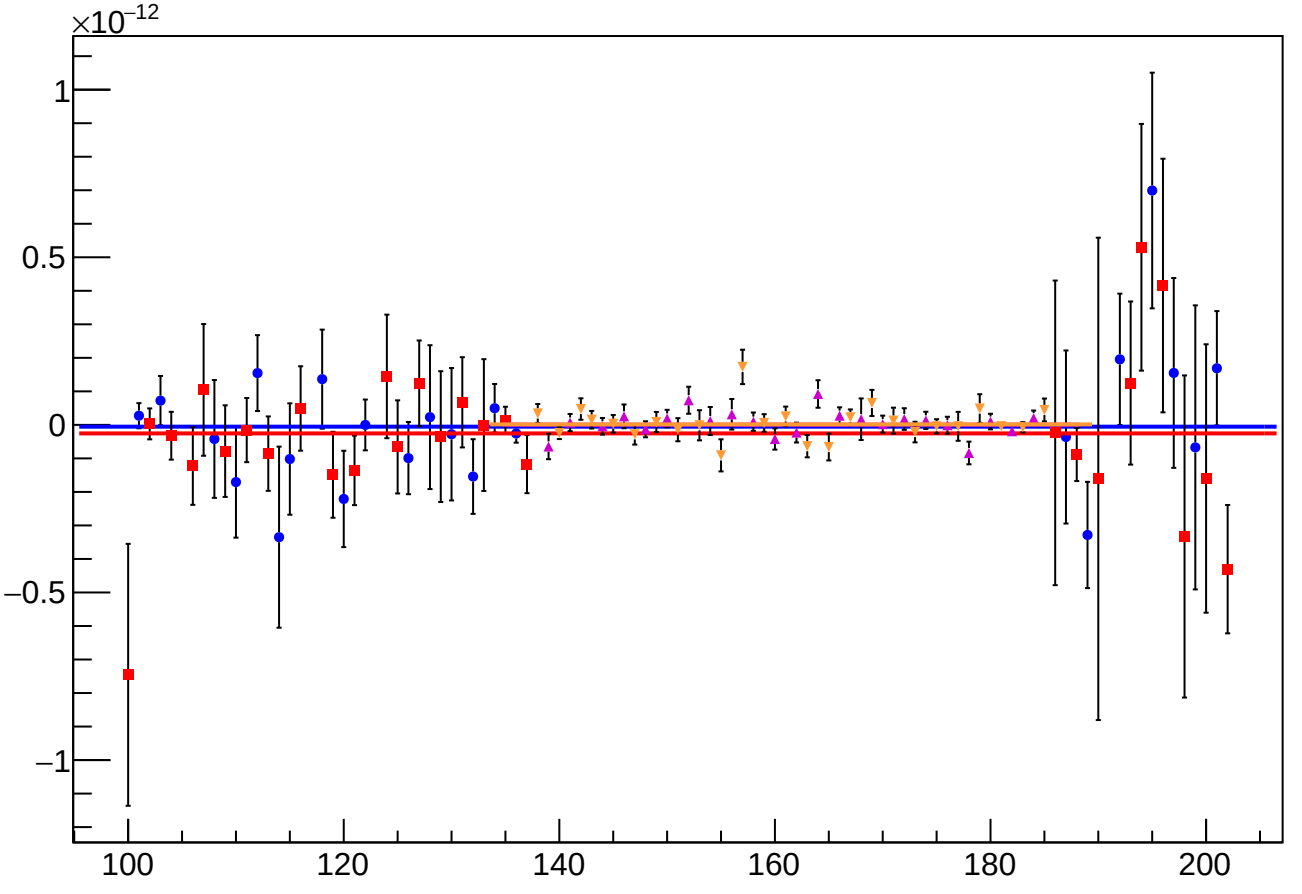
Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 113.750+/-0.015 χ^2/NDF: 2140397.7/47

All: 113.321+/-0.010 χ^2/NDF: 4591934.4/98

- sign 112.912+/-0.015 χ^2/NDF: 2449922.1/50

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

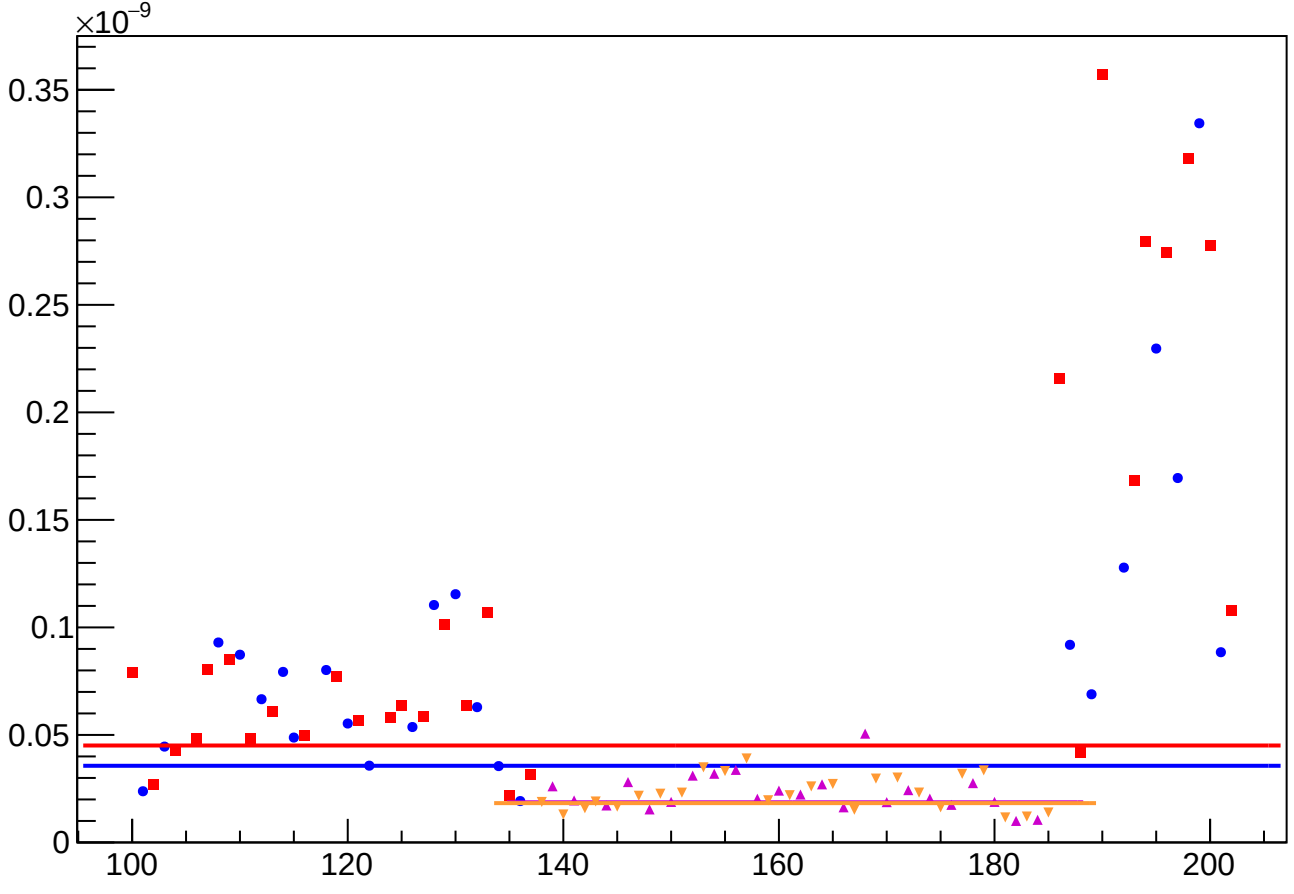
Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/27

Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.0/47

All: -0.000+/-0.000 χ^2/NDF: 111.7/98

- sign -0.000+/-0.000 χ^2/NDF: 50.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 5408496.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6225885.4/27

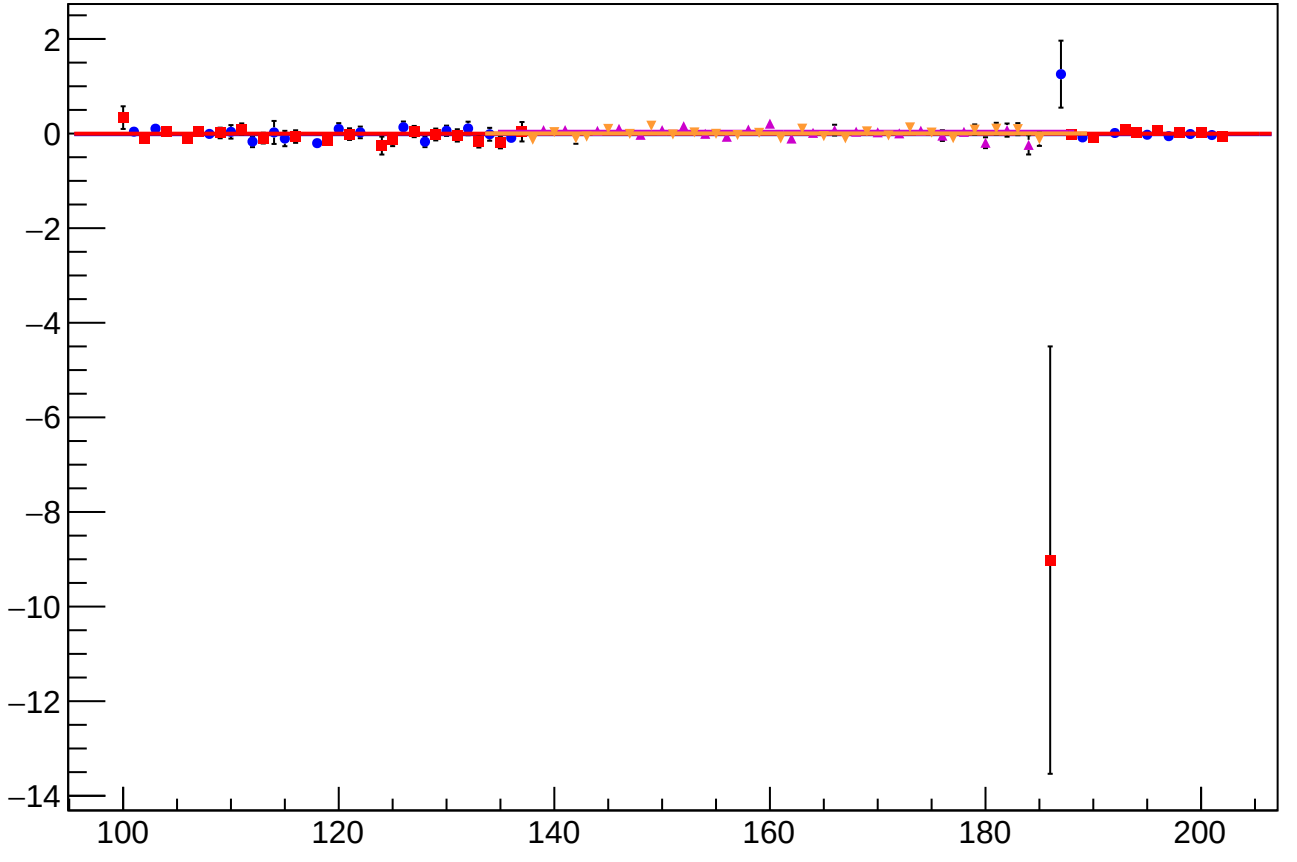
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10229381.6/47

All: 0.000+/-0.000 χ^2/NDF: 22587579.9/98

- sign 0.000+/-0.000 χ^2/NDF: 12334862.5/50

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.015 χ^2/NDF: 22.7/22

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.002+/-0.013 χ^2/NDF: 35.4/27

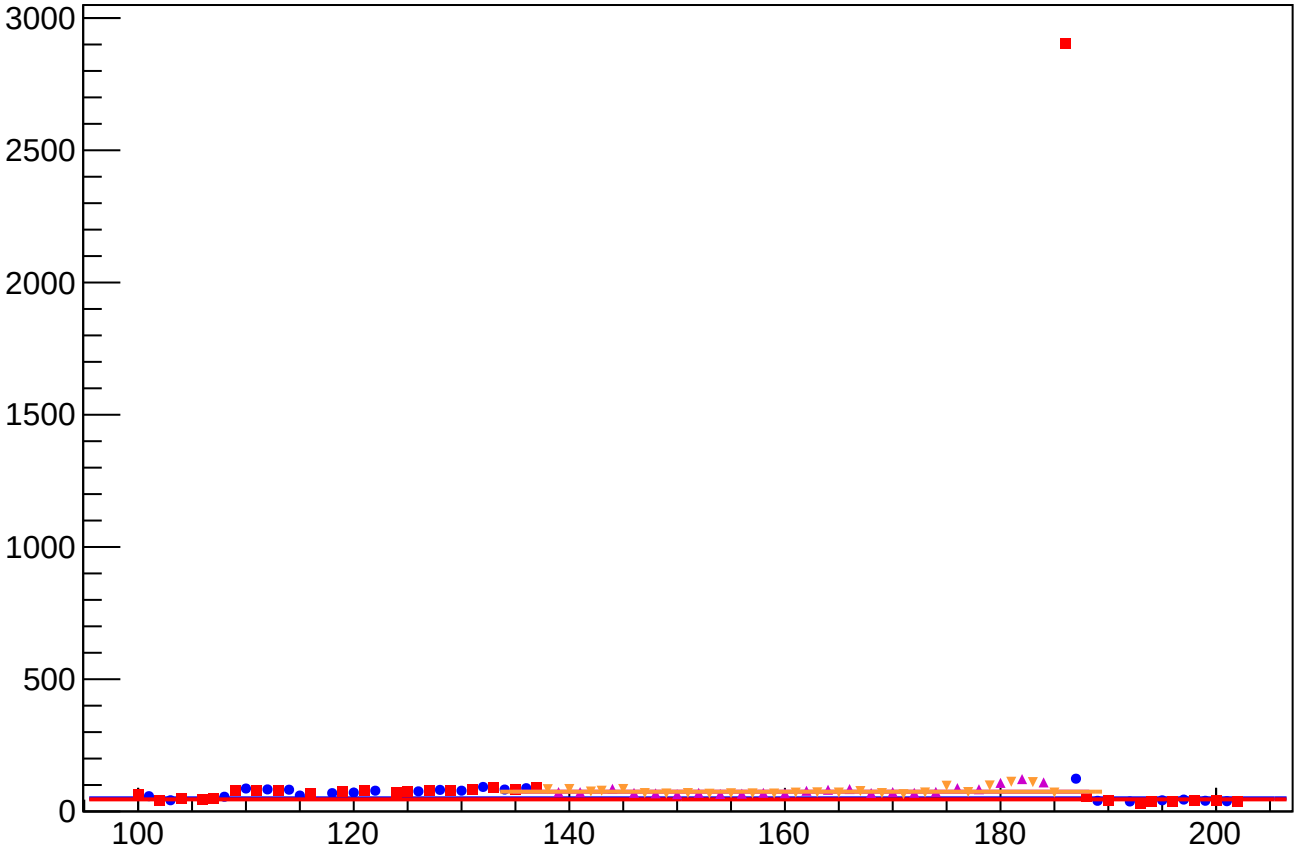
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.006+/-0.012 χ^2/NDF: 44.7/47

All: 0.004+/-0.008 χ^2/NDF: 106.4/98

- sign 0.012+/-0.011 χ^2/NDF: 60.3/50

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 49.673+/-0.011 χ^2/NDF: 2210769.6/22

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

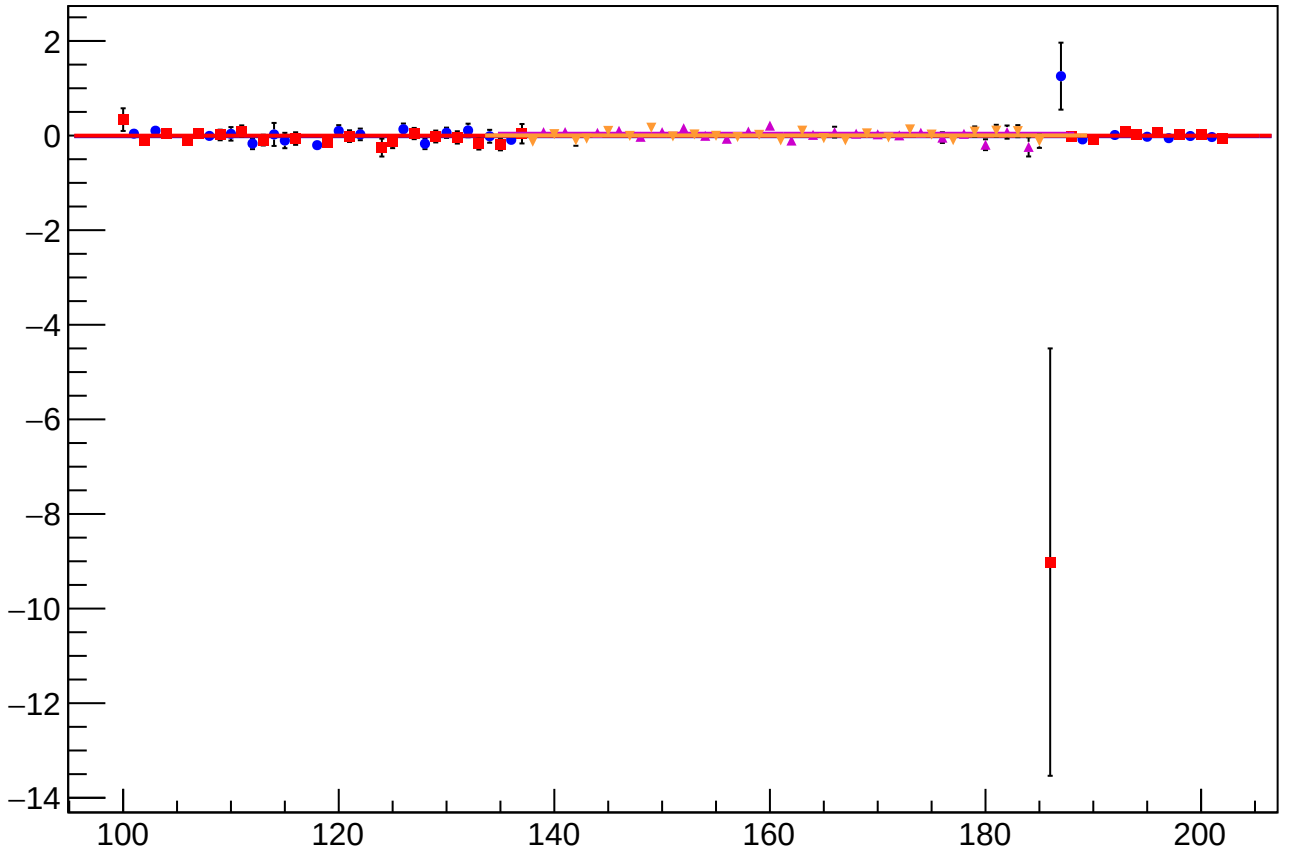
Right Out: 45.685+/-0.009 χ^2/NDF: 3610430.1/27

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 60.610+/-0.008 χ^2/NDF: 5290240.6/47

All: 58.193+/-0.006 χ^2/NDF: 13128664.9/98

- sign 56.094+/-0.008 χ^2/NDF: 7673587.6/50



Right In: -0.013+/-0.015 χ^2/NDF: 22.7/22

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.002+/-0.013 χ^2/NDF: 35.4/27

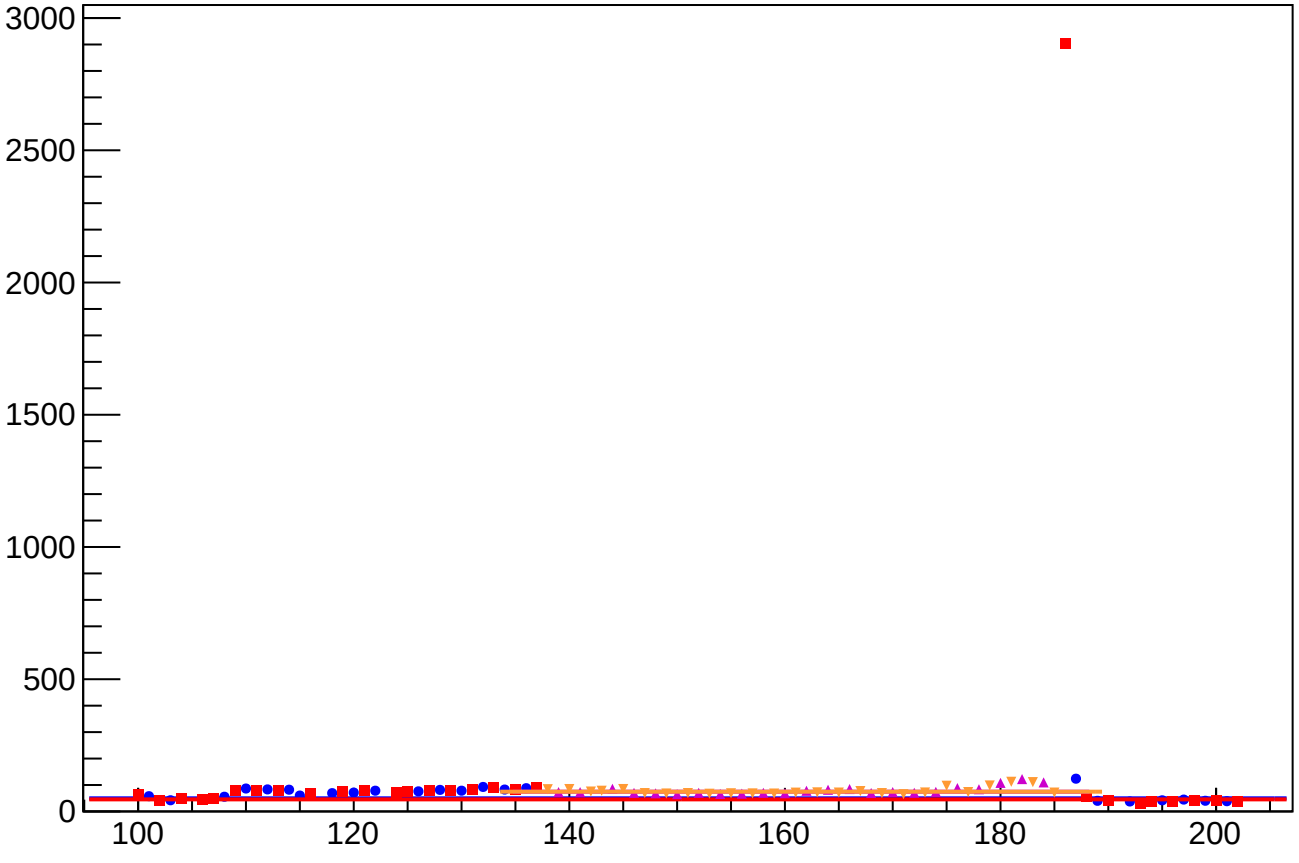
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.006+/-0.012 χ^2/NDF: 44.7/47

All: 0.004+/-0.008 χ^2/NDF: 106.4/98

- sign 0.012+/-0.011 χ^2/NDF: 60.3/50

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 49.673+/-0.011 χ^2/NDF: 2210769.6/22

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.685+/-0.009 χ^2/NDF: 3610430.1/27

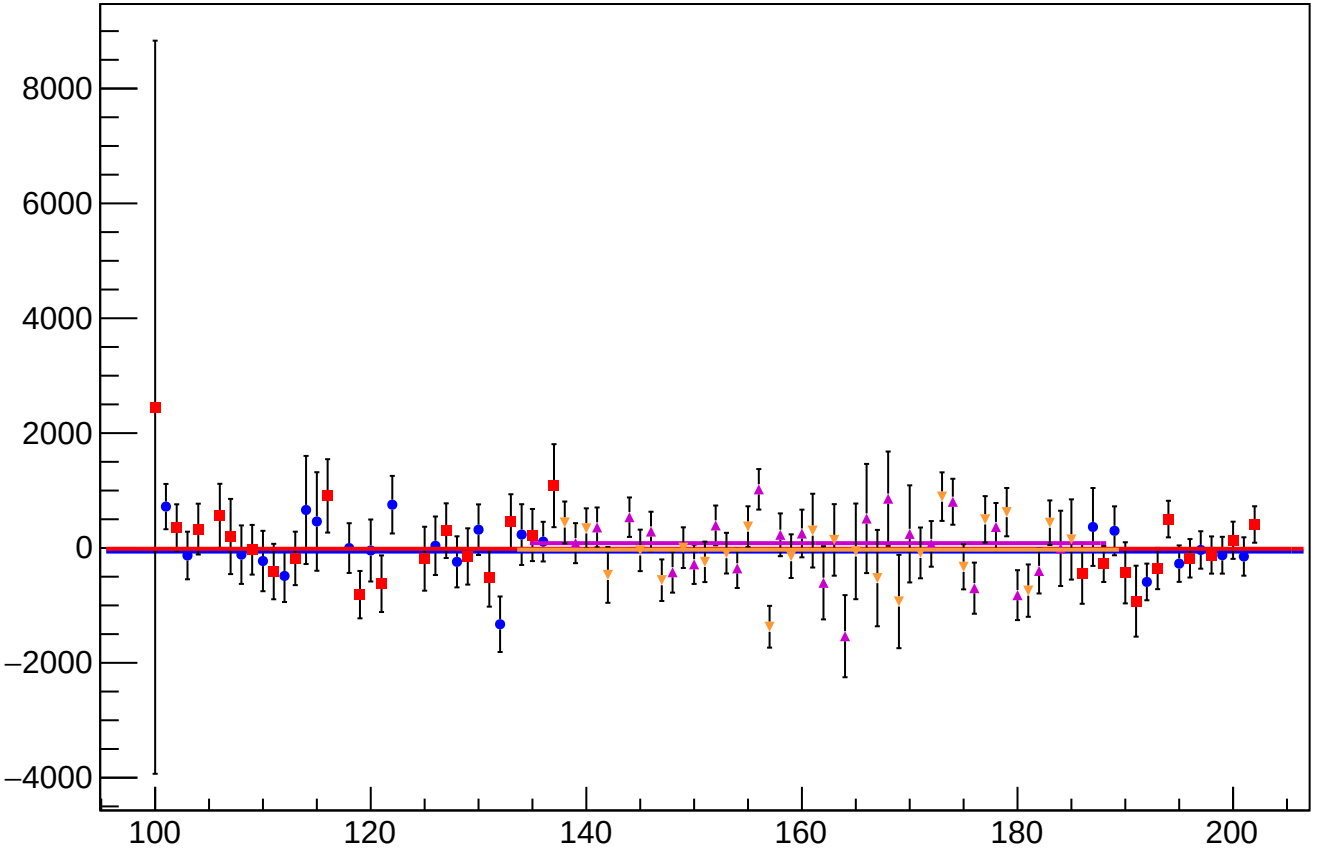
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 60.610+/-0.008 χ^2/NDF: 5290240.6/47

All: 58.193+/-0.006 χ^2/NDF: 13128664.9/98

- sign 56.094+/-0.008 χ^2/NDF: 7673587.6/50

asym_dsl_mean vs Slug



Right In: -62.619+/-89.210 χ^2/NDF: 21.4/22

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -14.057+/-82.825 χ^2/NDF: 26.1/27

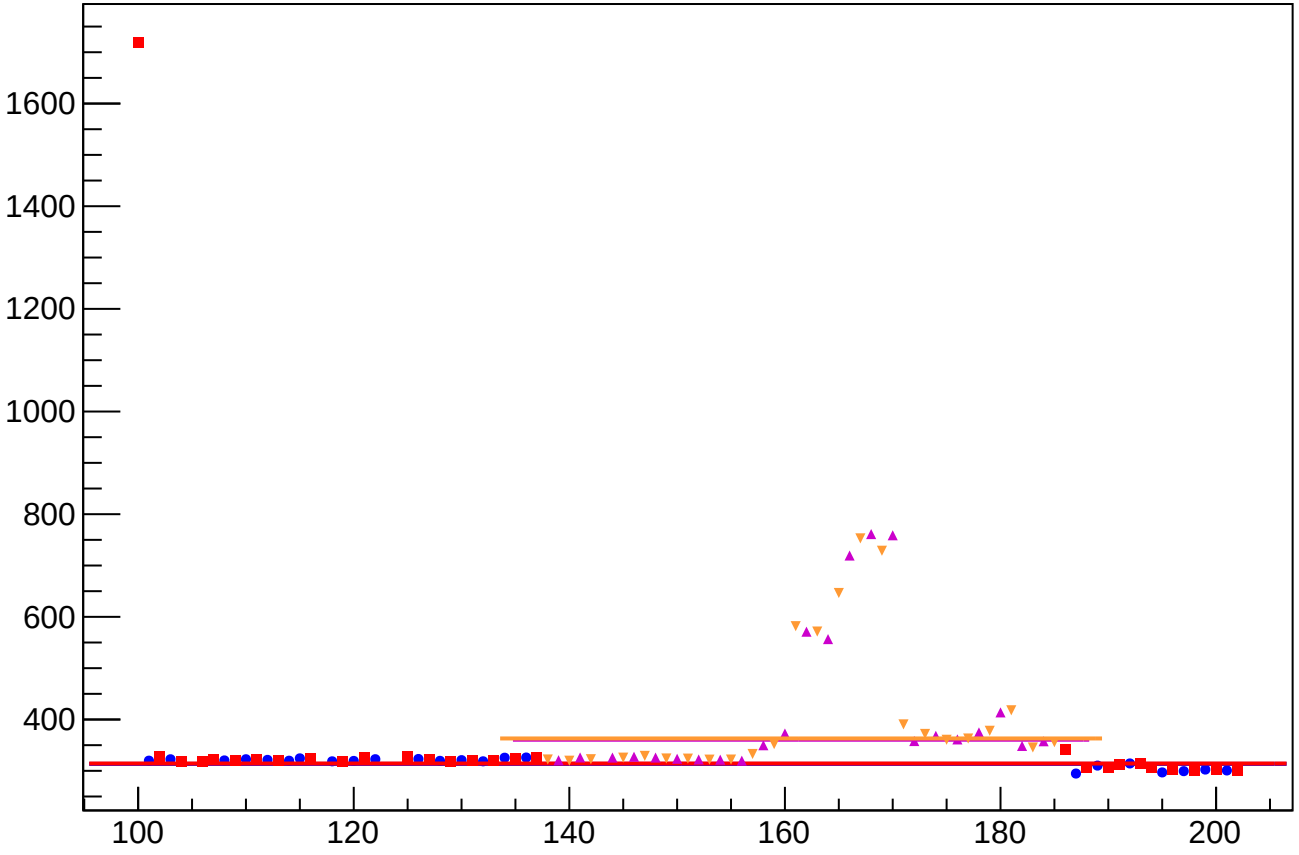
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -45.475+/-62.112 χ^2/NDF: 58.0/46

All: -4.904+/-43.085 χ^2/NDF: 121.5/97

- sign 32.723+/-59.815 χ^2/NDF: 62.6/50

asym_dsl_rms vs Slug



Right In: 313.490+/-0.063 χ^2/NDF: 26194.1/22

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 314.259+/-0.059 χ^2/NDF: 127408.0/27

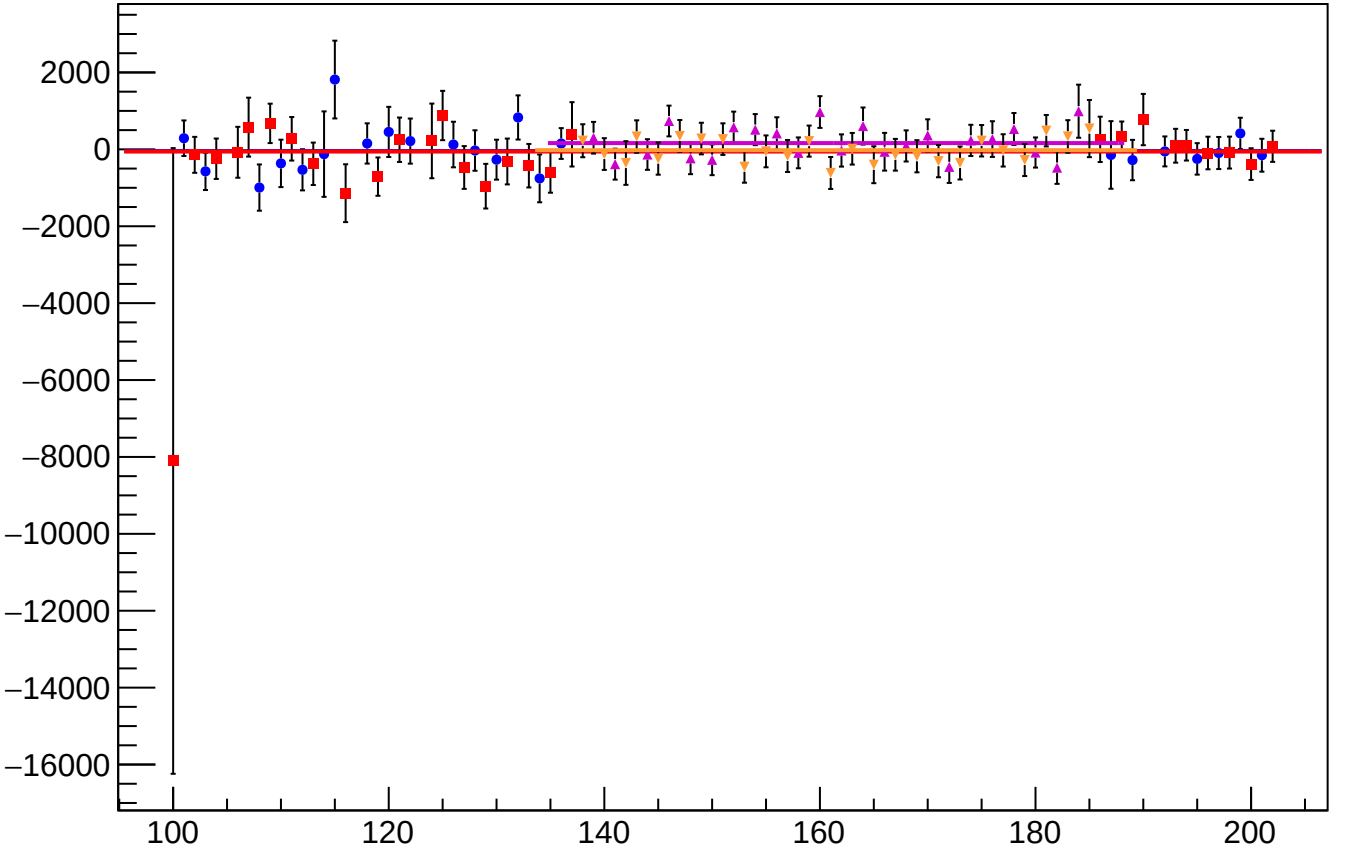
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 339.041+/-0.044 χ^2/NDF: 2140174.0/46

All: 337.683+/-0.030 χ^2/NDF: 4386479.6/97

- sign 336.423+/-0.042 χ^2/NDF: 2244463.1/50

asym_dsr_mean vs Slug



Right In: -45.511+/-108.331 χ^2/NDF: 15.5/22

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -55.821+/-100.850 χ^2/NDF: 19.6/27

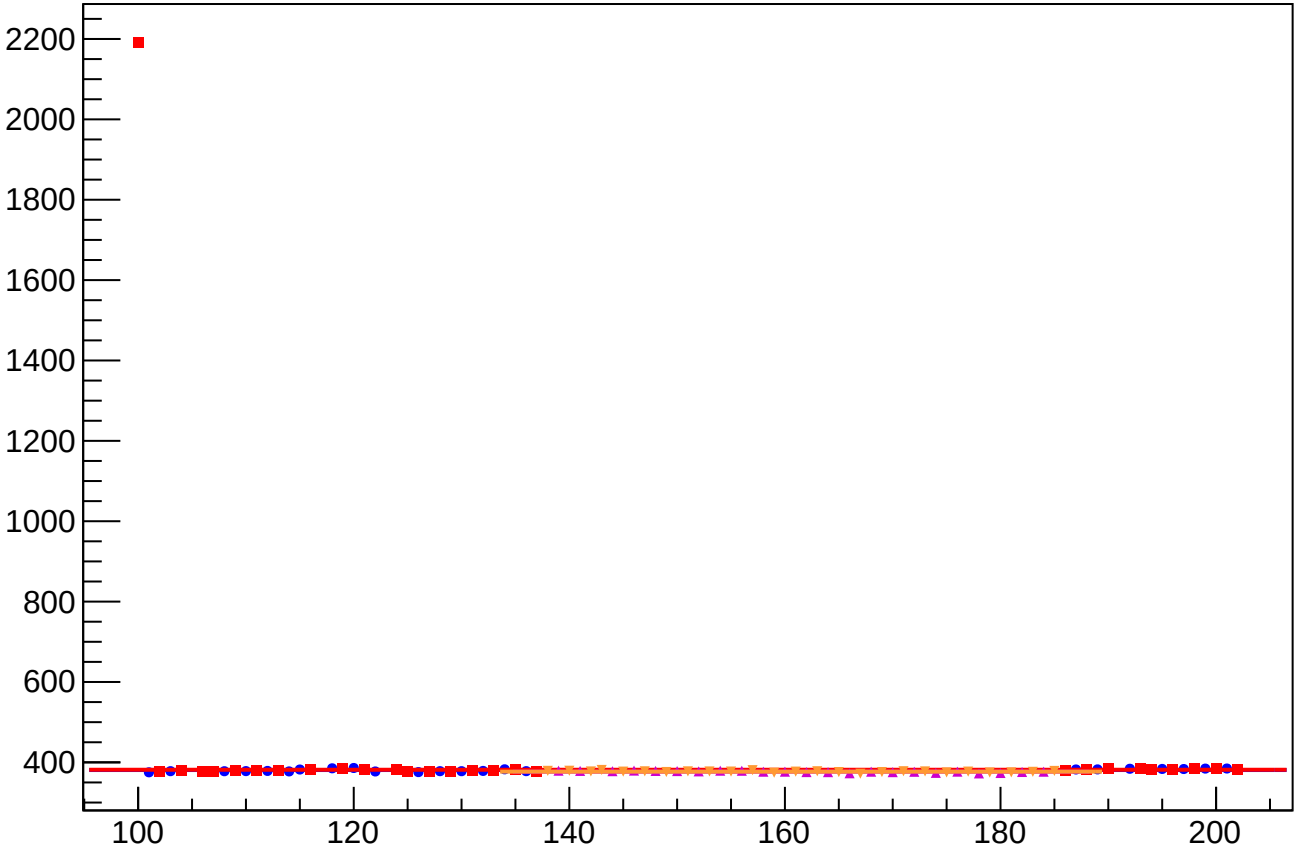
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -30.462+/-67.173 χ^2/NDF: 28.2/47

All: 19.622+/-47.188 χ^2/NDF: 73.3/98

- sign 68.416+/-66.303 χ^2/NDF: 44.0/50

asym_dsr_rms vs Slug



Right In: 380.903+/-0.077 χ^2/NDF: 1869.8/22

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

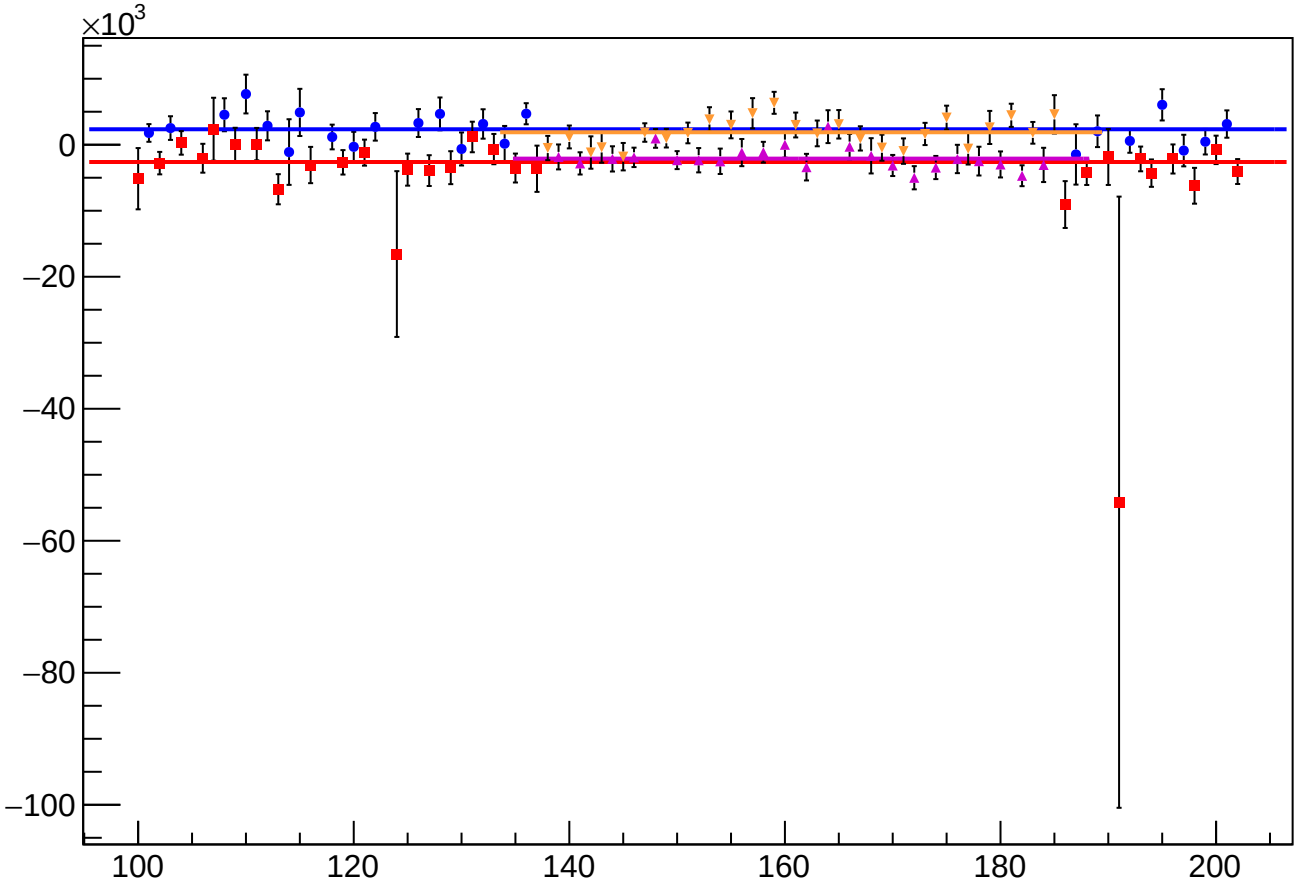
Right Out: 381.582+/-0.071 χ^2/NDF: 100450.5/27

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.443+/-0.047 χ^2/NDF: 4604.0/47

All: 378.671+/-0.033 χ^2/NDF: 108678.2/98

- sign 378.893+/-0.047 χ^2/NDF: 104028.7/50



Right In: 2343.418+/-454.504 χ^2/NDF: 19.6/22

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2616.318+/-442.652 χ^2/NDF: 24.9/28

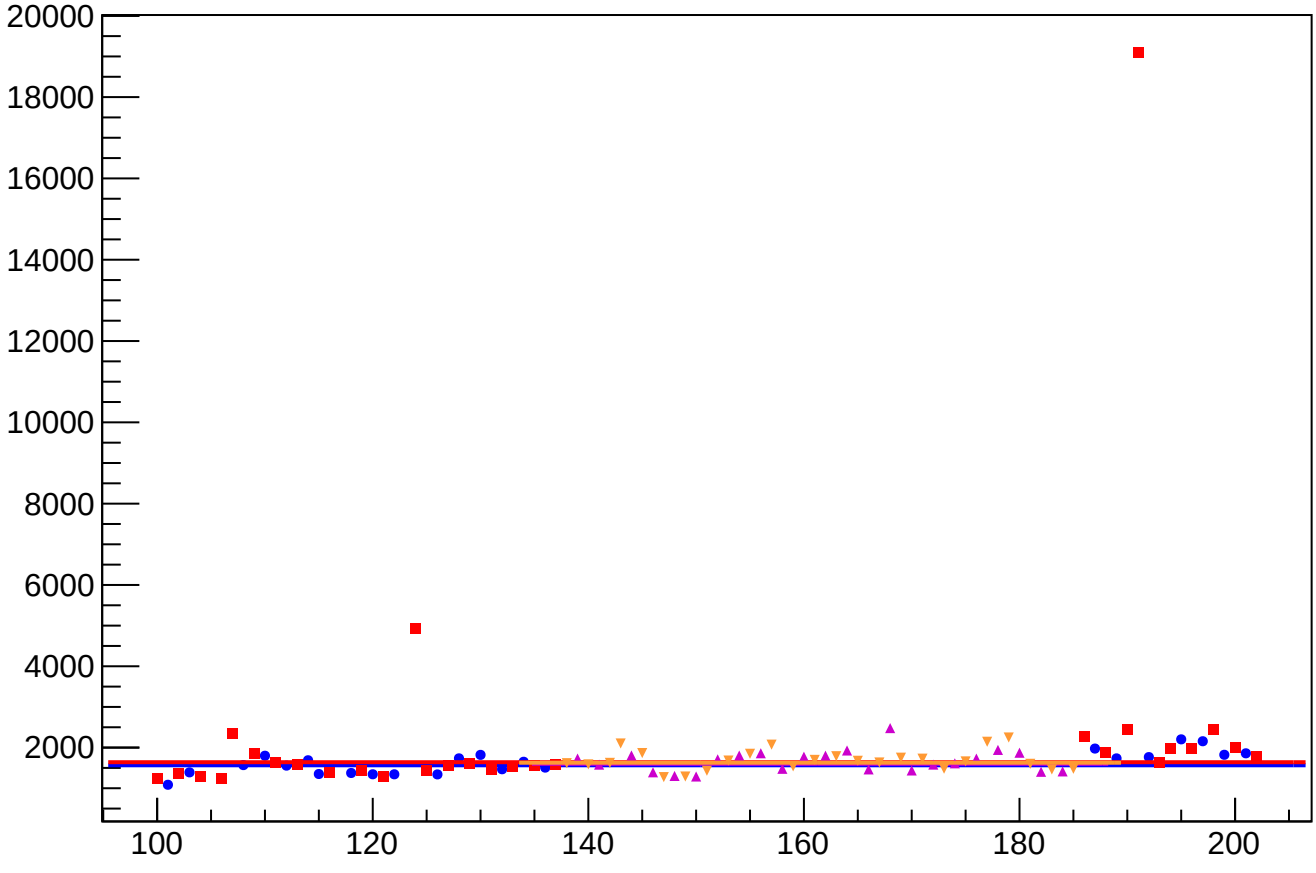
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2074.530+/-289.387 χ^2/NDF: 48.5/47

All: -134.730+/-204.105 χ^2/NDF: 208.7/99

- sign -2321.557+/-287.914 χ^2/NDF: 44.2/51

asym_us_agg_avg_rms vs Slug



Right In: 1564.737+/-0.321 χ^2/NDF: 814311.7/22

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1640.279+/-0.313 χ^2/NDF: 1347267.5/28

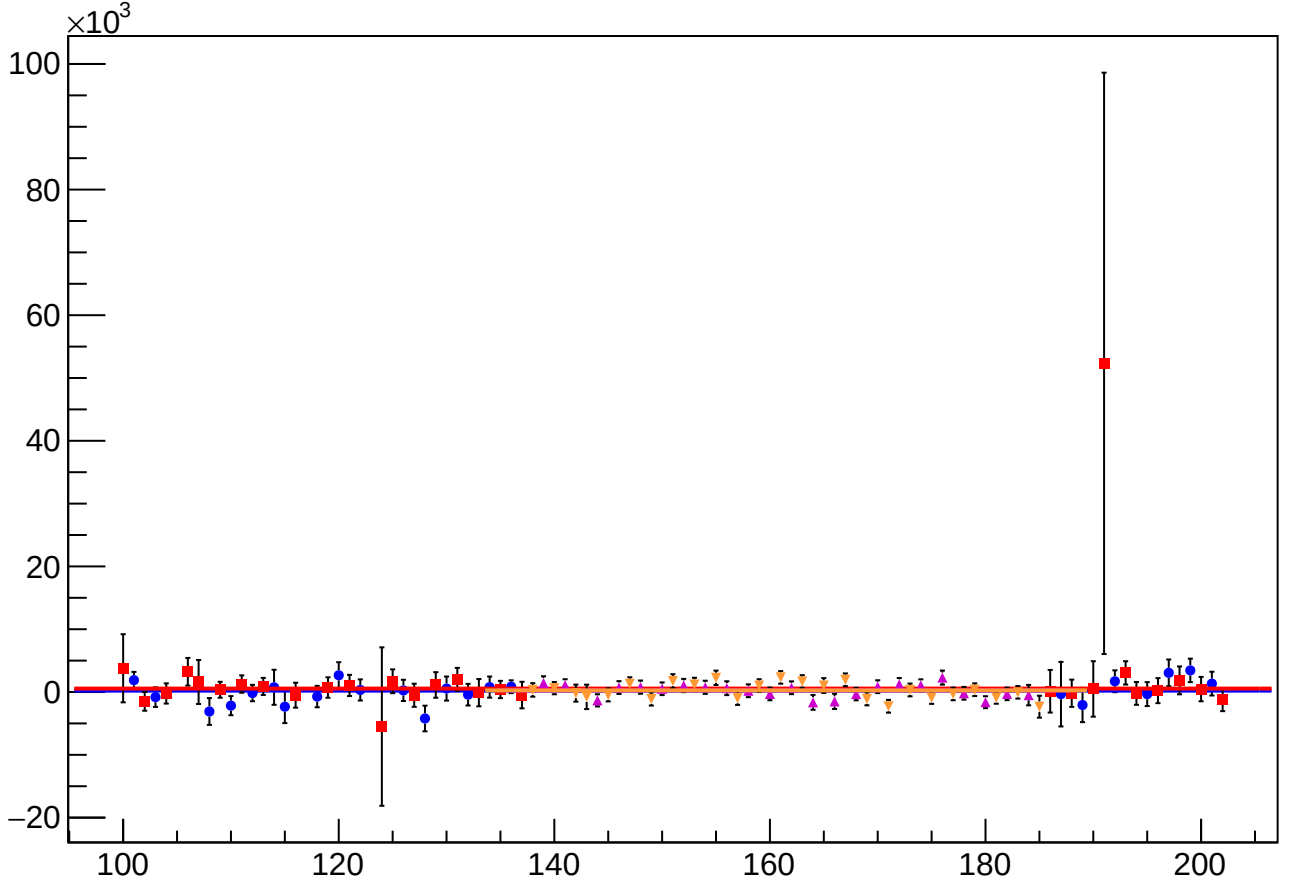
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1602.638+/-0.205 χ^2/NDF: 1616796.3/47

All: 1610.310+/-0.144 χ^2/NDF: 3769440.9/99

- sign 1617.904+/-0.204 χ^2/NDF: 2149847.6/51

asym_us_agg_dd_mean vs Slug



Right In: 222.761+/-364.849 χ^2/NDF: 21.7/22

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 547.528+/-356.336 χ^2/NDF: 11.4/28

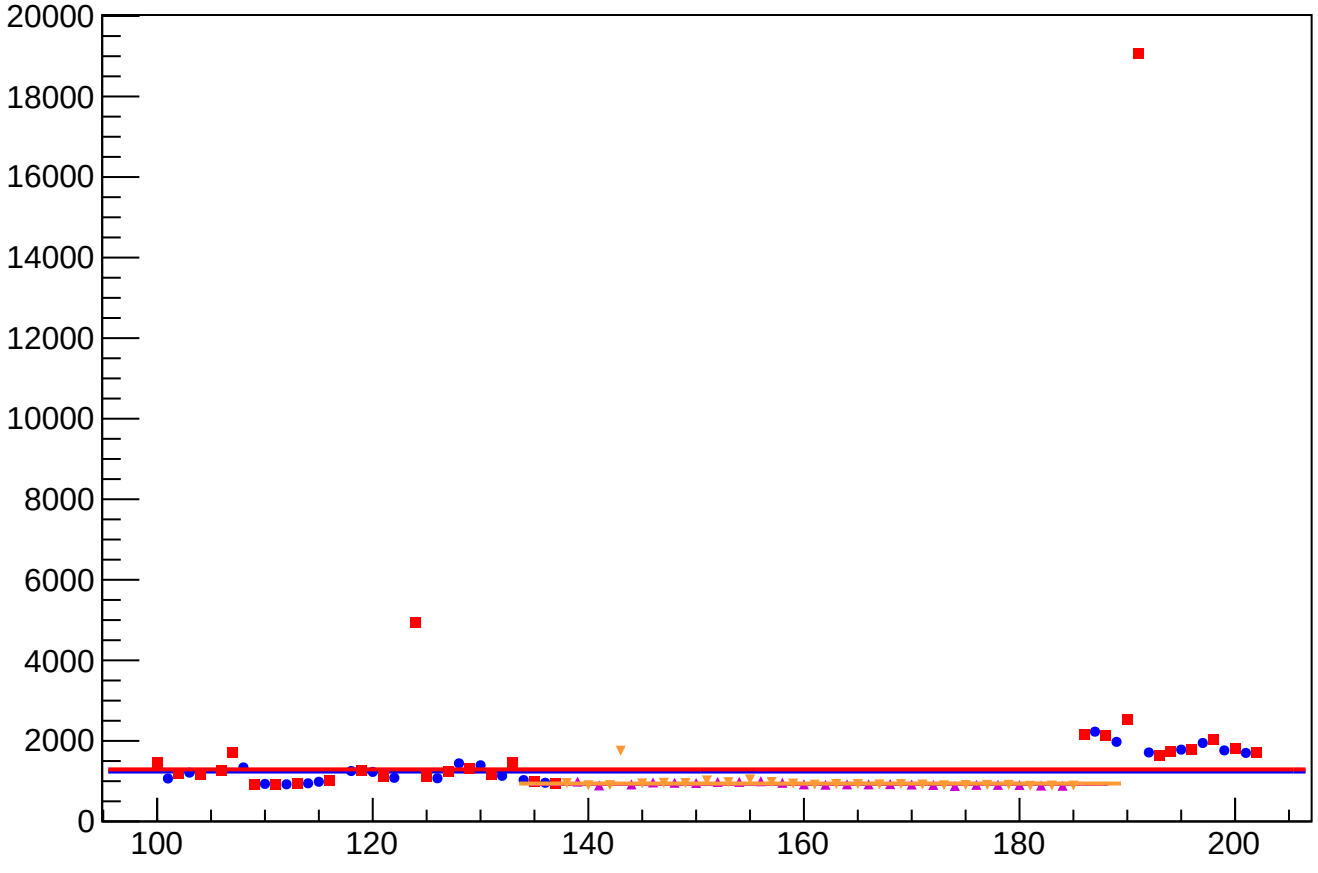
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

\+ sign 252.173+/-185.207 χ^2/NDF: 55.7/47

All: 297.591+/-131.158 χ^2/NDF: 89.0/99

\- sign 343.283+/-185.764 χ^2/NDF: 33.3/51

asym_us_agg_dd_rms vs Slug



Right In: 1238.655+/-0.258 χ^2/NDF: 1567662.7/22

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1292.908+/-0.252 χ^2/NDF: 2607235.3/28

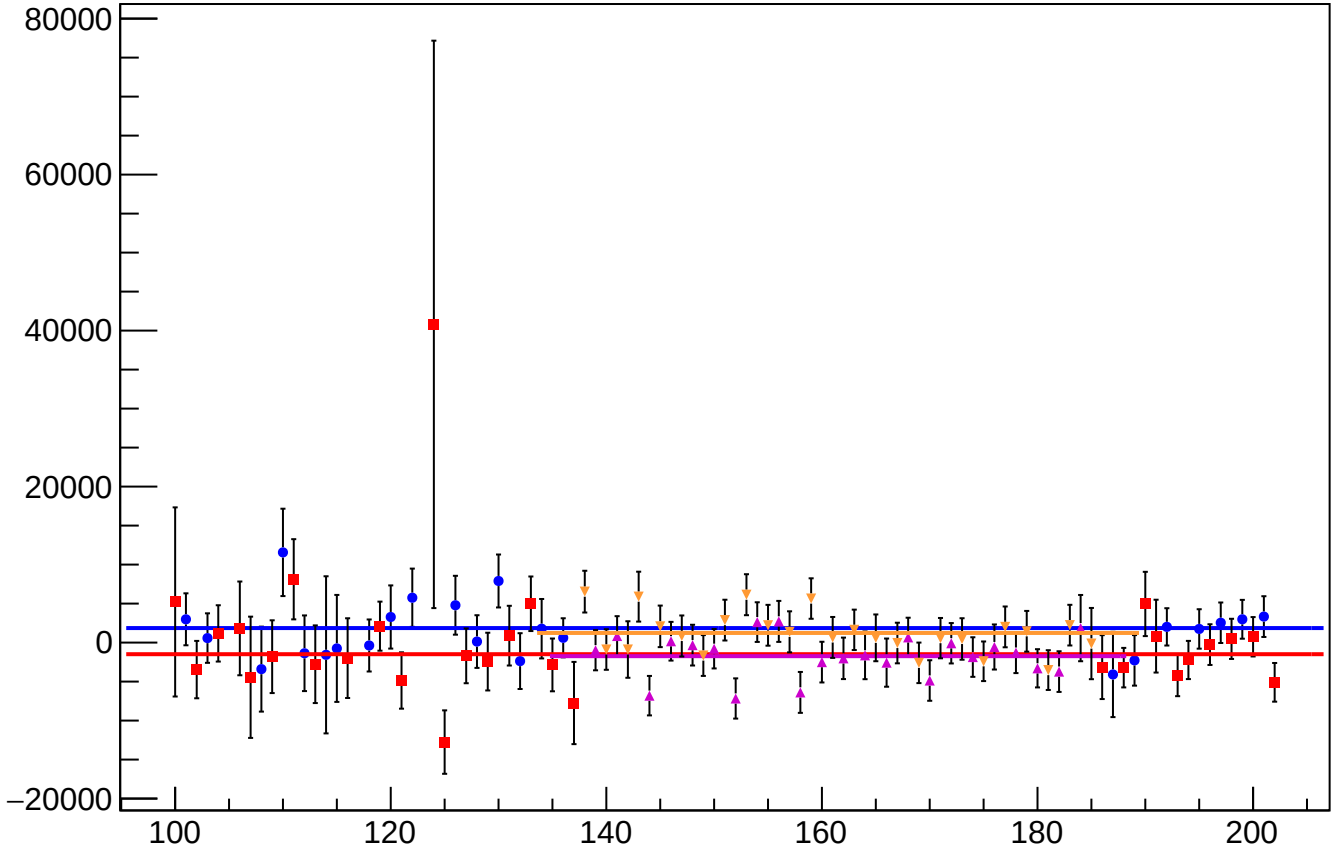
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1017.711+/-0.131 χ^2/NDF: 2973428.1/47

All: 1023.720+/-0.093 χ^2/NDF: 7131504.5/99

- sign 1029.766+/-0.131 χ^2/NDF: 4153852.4/51

reg_asym_atl1_mean vs Slug



Right In: 1861.309+/-703.880 χ^2/NDF: 15.7/22

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1488.729+/-663.204 χ^2/NDF: 29.9/28

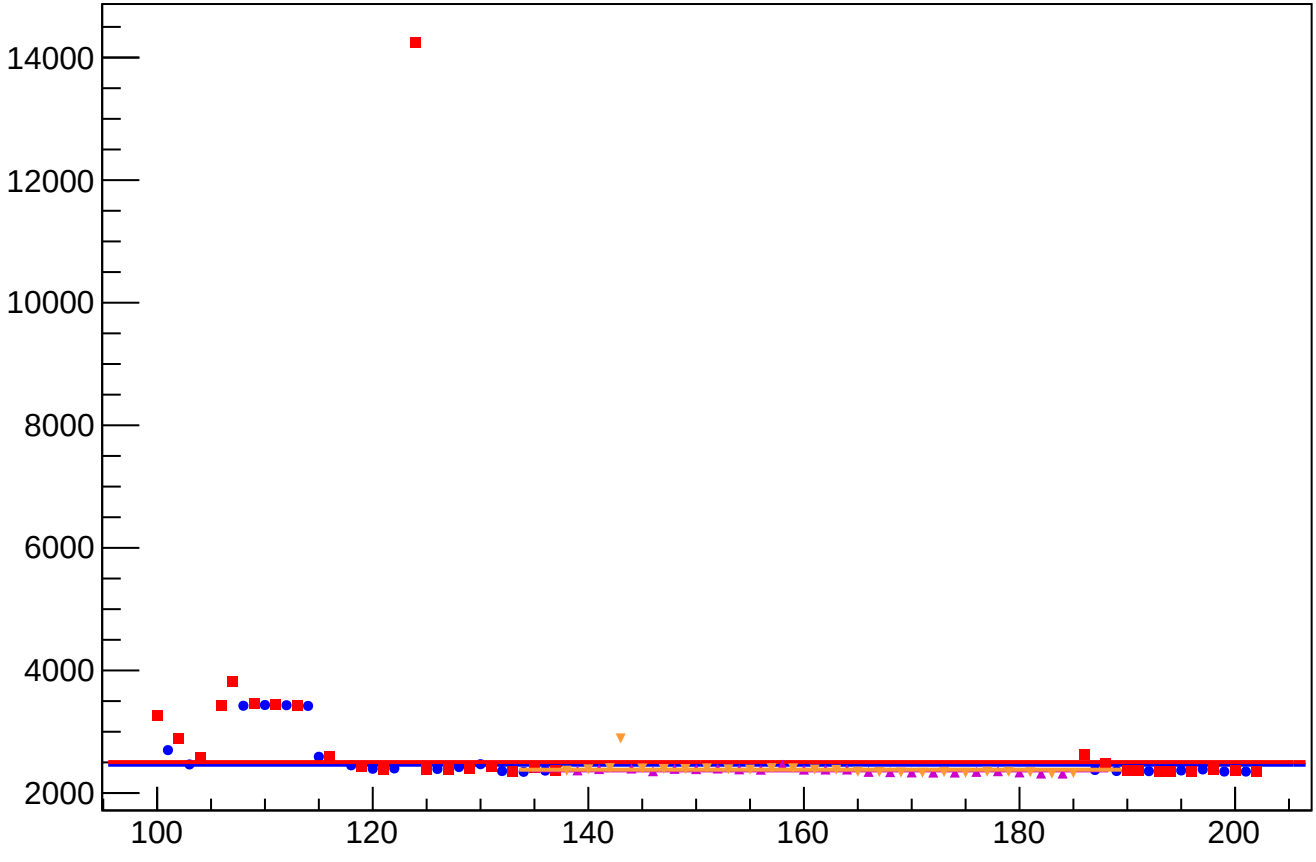
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1467.573+/-429.085 χ^2/NDF: 40.0/47

All: -100.617+/-301.896 χ^2/NDF: 120.9/99

- sign -1637.912+/-424.837 χ^2/NDF: 54.4/51

reg_asym_atl1_rms vs Slug



Right In: 2461.738+/-0.498 χ^2/NDF: 259078.2/22

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2505.001+/-0.469 χ^2/NDF: 623408.7/28

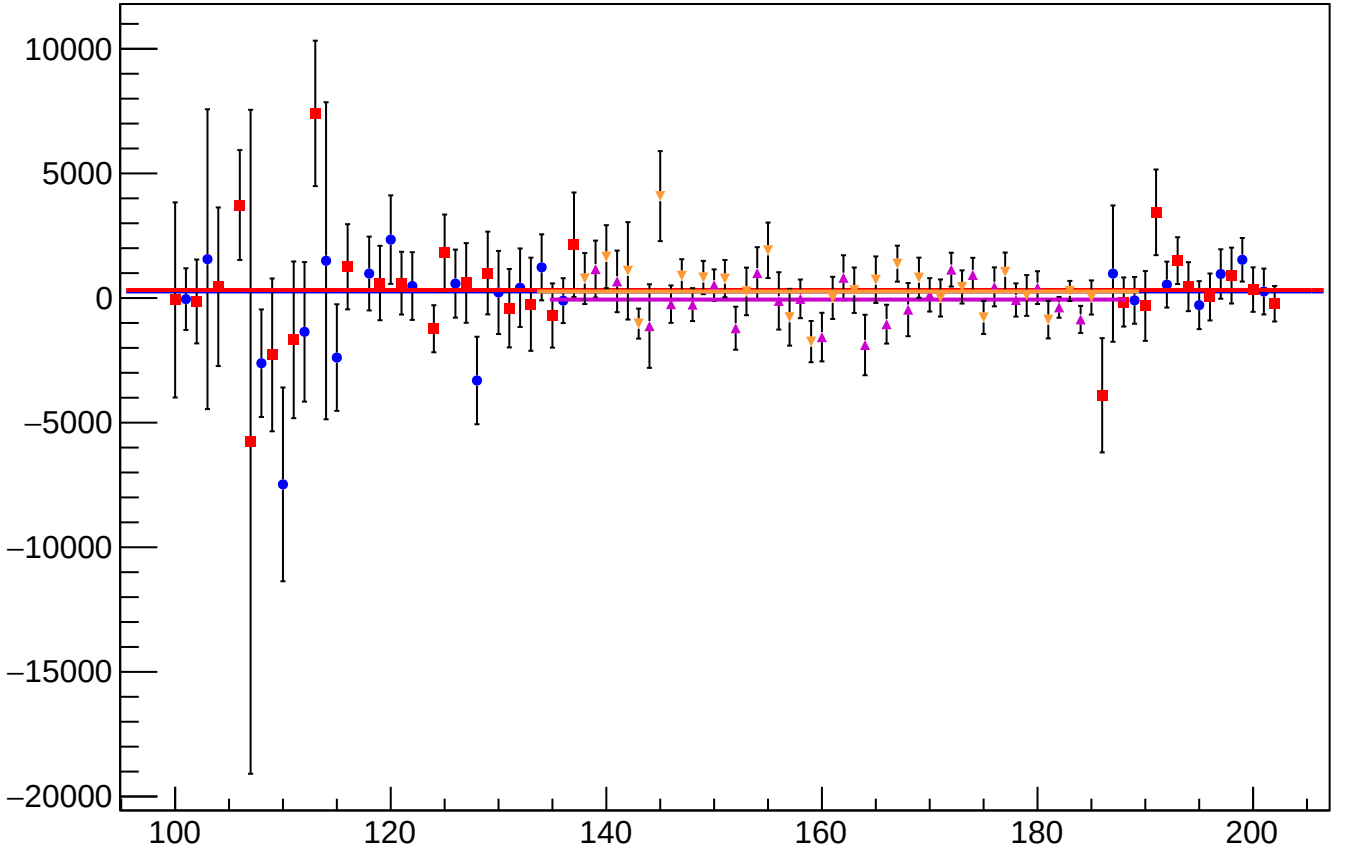
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2411.151+/-0.303 χ^2/NDF: 333140.6/47

All: 2418.162+/-0.213 χ^2/NDF: 1013953.5/99

- sign 2425.034+/-0.300 χ^2/NDF: 679755.6/51

asym_atl1_reg_correction_mean vs Slug



Right In: 264.177+/-276.220 χ^2/NDF: 17.5/22

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 324.040+/-252.537 χ^2/NDF: 25.3/28

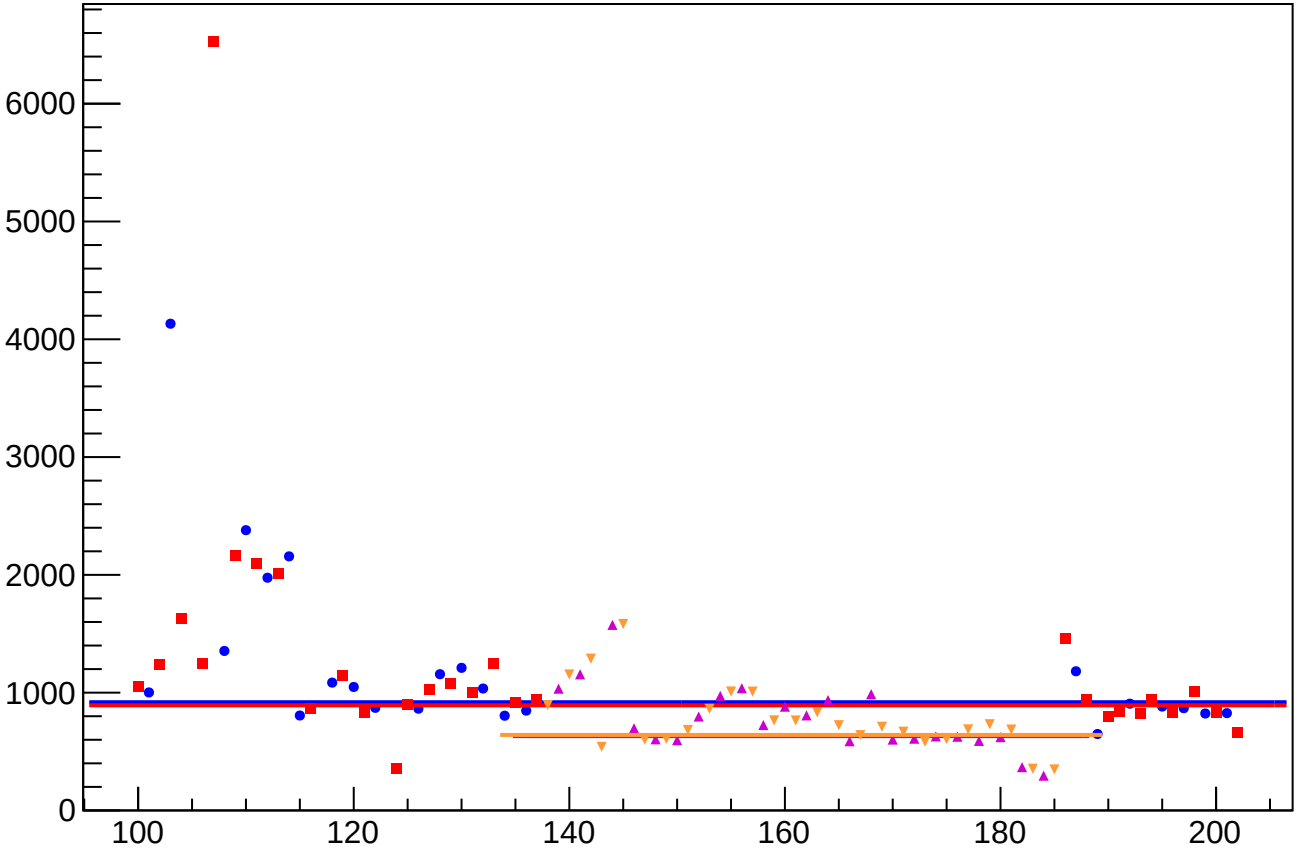
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 262.422+/-134.514 χ^2/NDF: 48.7/47

All: 153.468+/-94.782 χ^2/NDF: 99.0/99

- sign 46.030+/-133.575 χ^2/NDF: 49.0/51

asym_atl1_reg_correction_rms vs Slug



Right In: 918.830+/-0.195 χ^2/NDF: 1724587.3/22

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 892.477+/-0.179 χ^2/NDF: 2779708.4/28

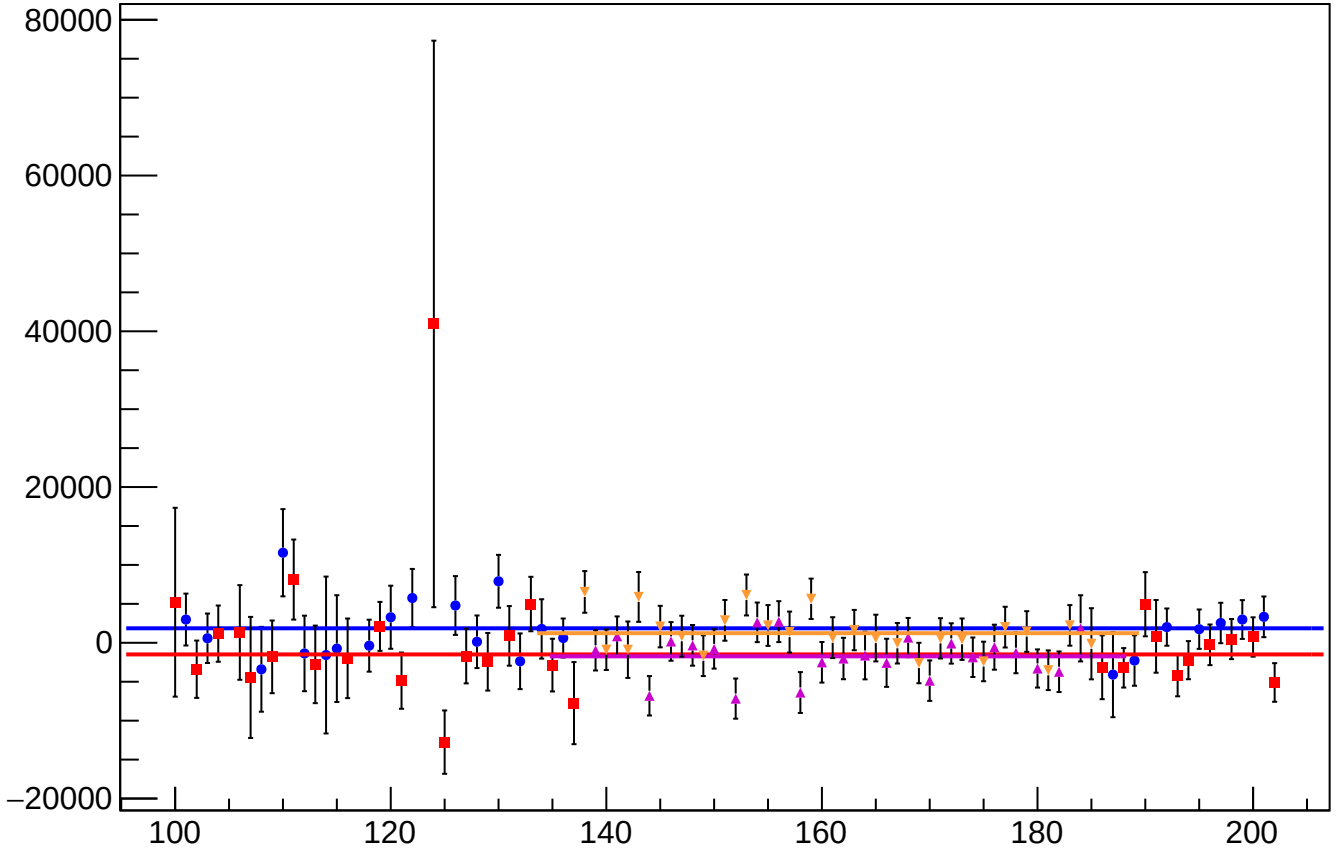
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 707.006+/-0.095 χ^2/NDF: 6741244.7/47

All: 705.641+/-0.067 χ^2/NDF: 15038706.9/99

- sign 704.296+/-0.094 χ^2/NDF: 8297053.2/51

cor_asym_atl1_mean vs Slug



Right In: 1861.619+/-703.880 χ^2/NDF: 15.7/22

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1493.167+/-663.295 χ^2/NDF: 29.8/28

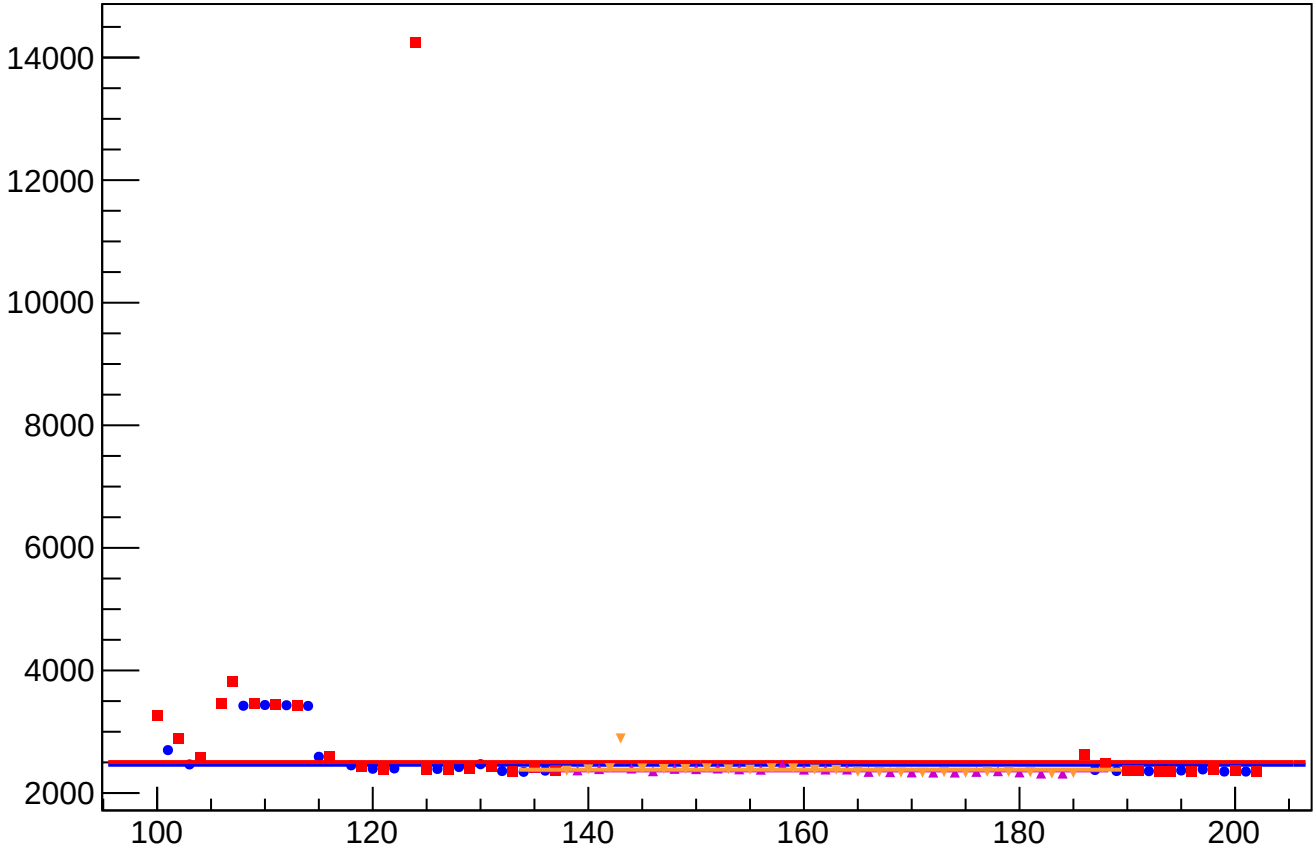
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1467.674+/-429.085 χ^2/NDF: 40.0/47

All: -101.423+/-301.905 χ^2/NDF: 120.8/99

- sign -1639.781+/-424.862 χ^2/NDF: 54.3/51

cor_asym_atl1_rms vs Slug



Right In: 2461.738+/-0.498 χ^2/NDF: 259078.2/22

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

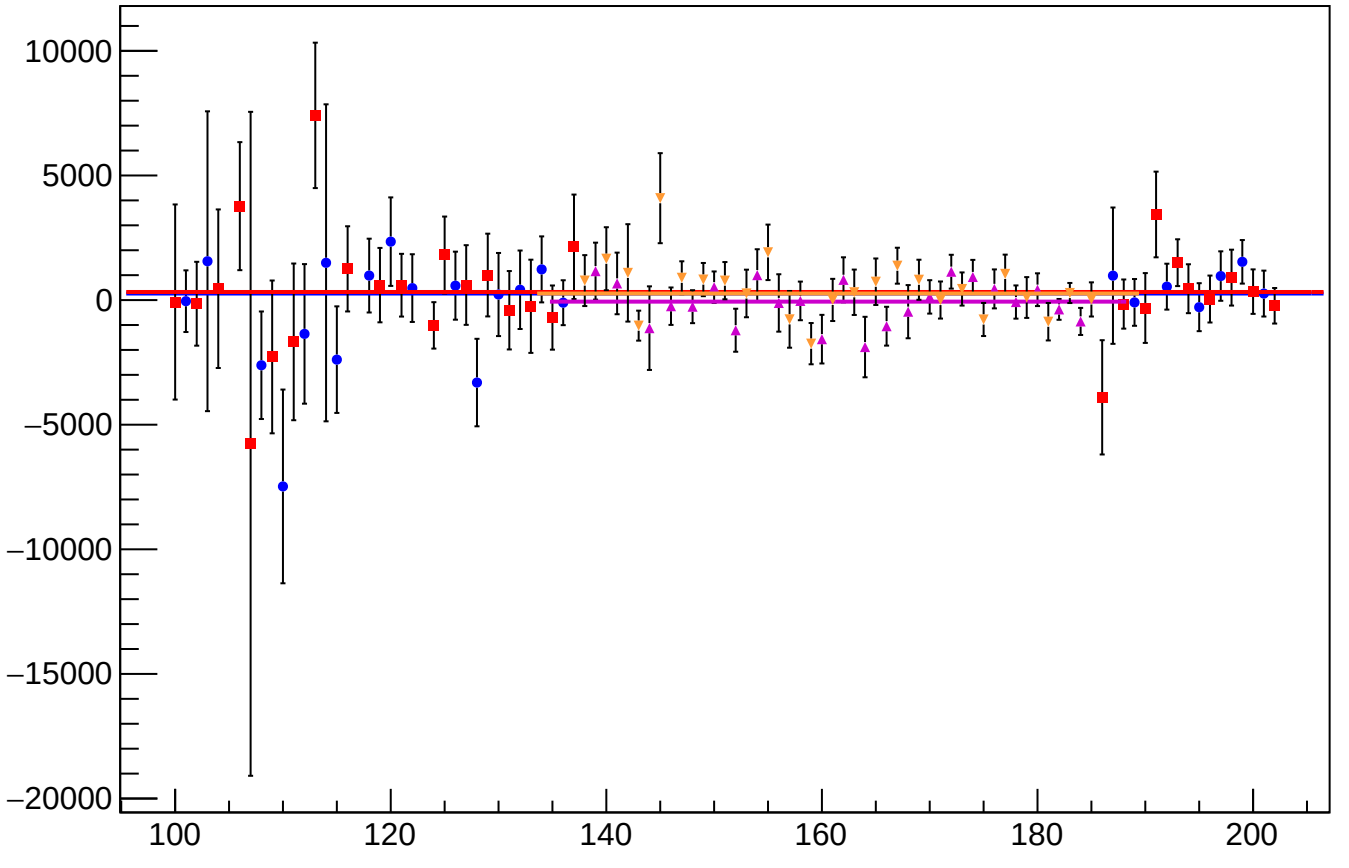
Right Out: 2505.214+/-0.469 χ^2/NDF: 626288.1/28

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2411.151+/-0.303 χ^2/NDF: 333140.6/47

All: 2418.201+/-0.213 χ^2/NDF: 1016991.8/99

- sign 2425.113+/-0.300 χ^2/NDF: 682782.0/51



Right In: 264.146+/-276.221 χ^2/NDF: 17.6/22

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 325.321+/-252.734 χ^2/NDF: 24.1/28

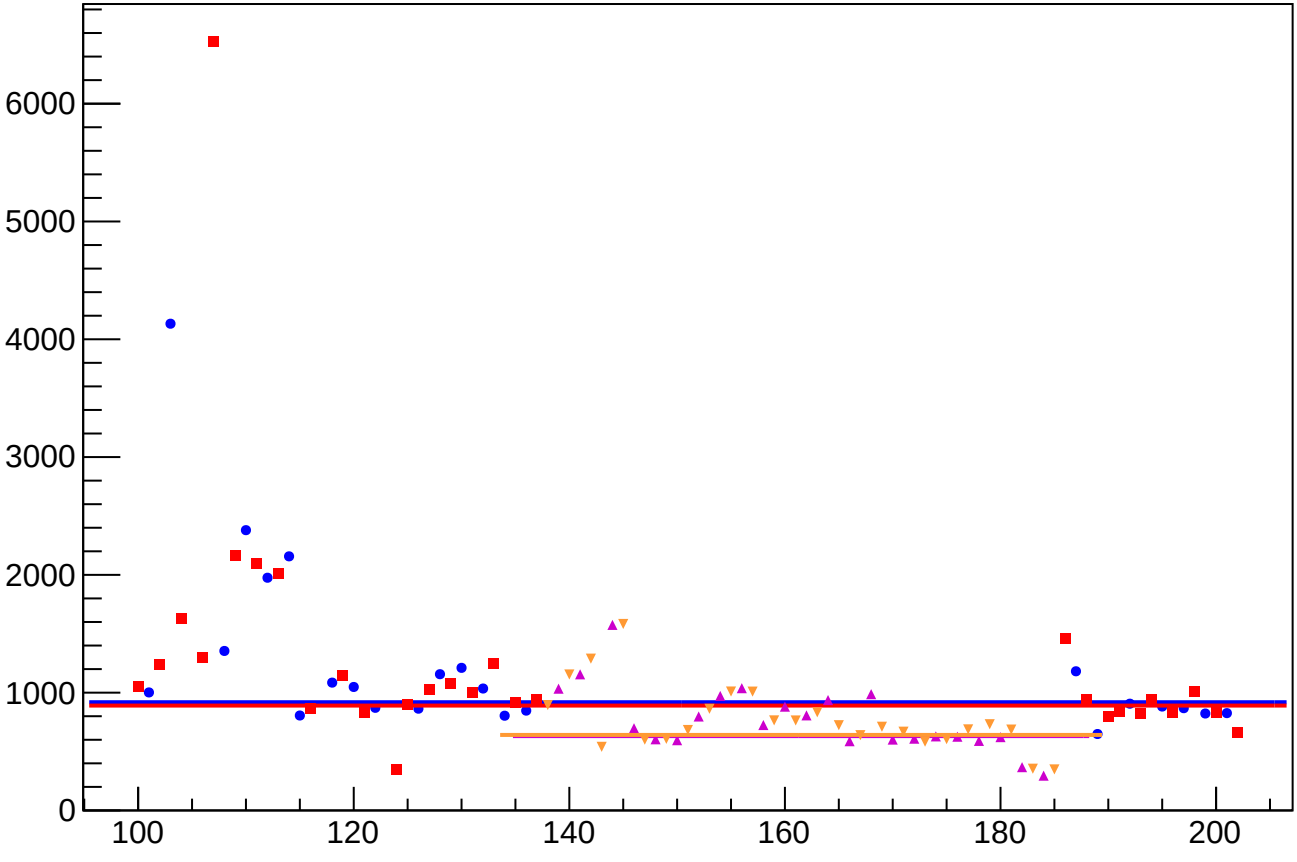
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 262.631+/-134.515 χ^2/NDF: 48.7/47

All: 153.707+/-94.793 χ^2/NDF: 97.7/99

- sign 46.255+/-133.603 χ^2/NDF: 47.7/51

asym_atl1_cor_correction_rms vs Slug



Right In: 918.835+/-0.195 χ^2/NDF: 1724528.6/22

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 890.357+/-0.179 χ^2/NDF: 2805609.1/28

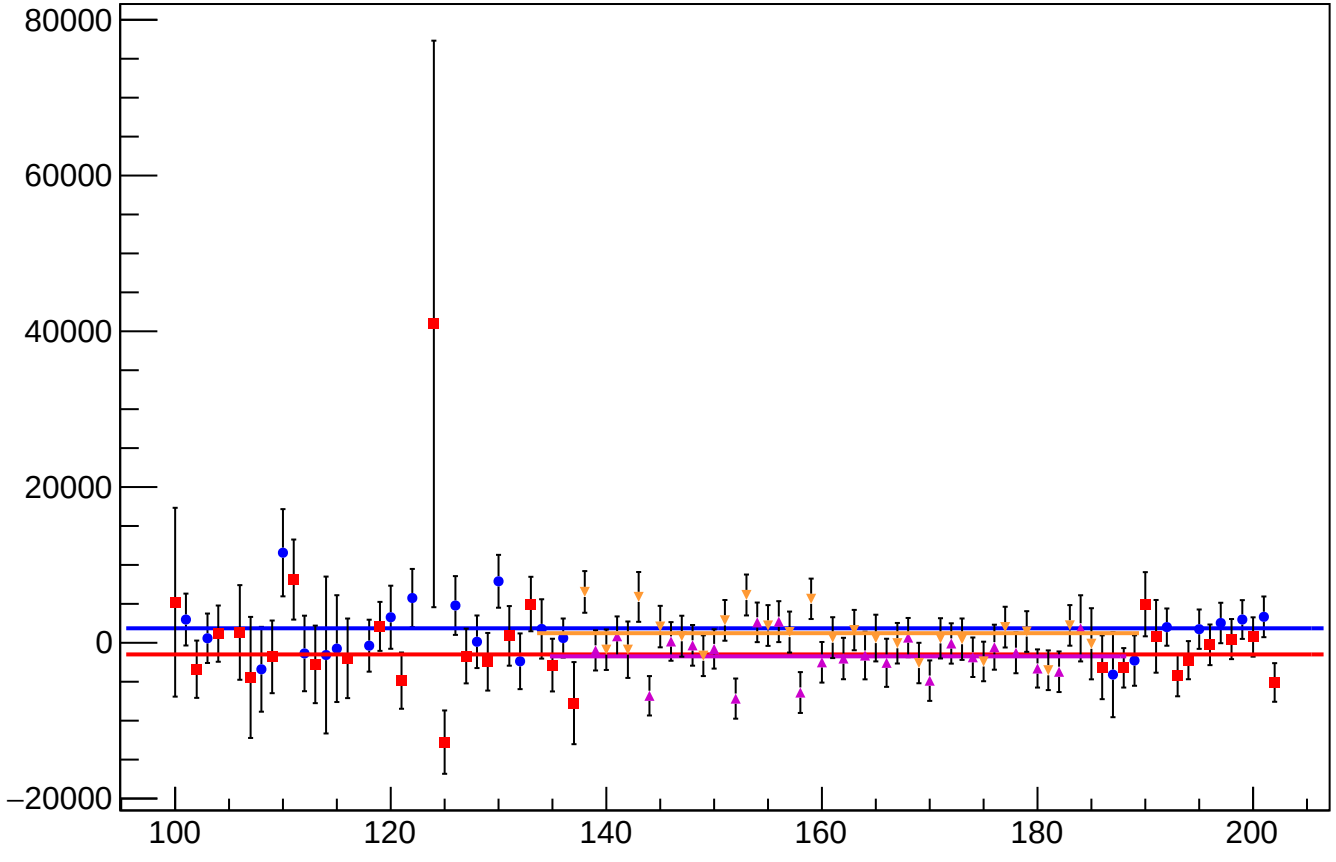
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 707.019+/-0.095 χ^2/NDF: 6740808.6/47

All: 705.307+/-0.067 χ^2/NDF: 15037942.0/99

- sign 703.619+/-0.094 χ^2/NDF: 8296490.3/51

eigen_cor_asym_atl1_mean vs Slug



Right In: 1861.619+/-703.880 χ^2/NDF: 15.7/22

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1493.167+/-663.295 χ^2/NDF: 29.8/28

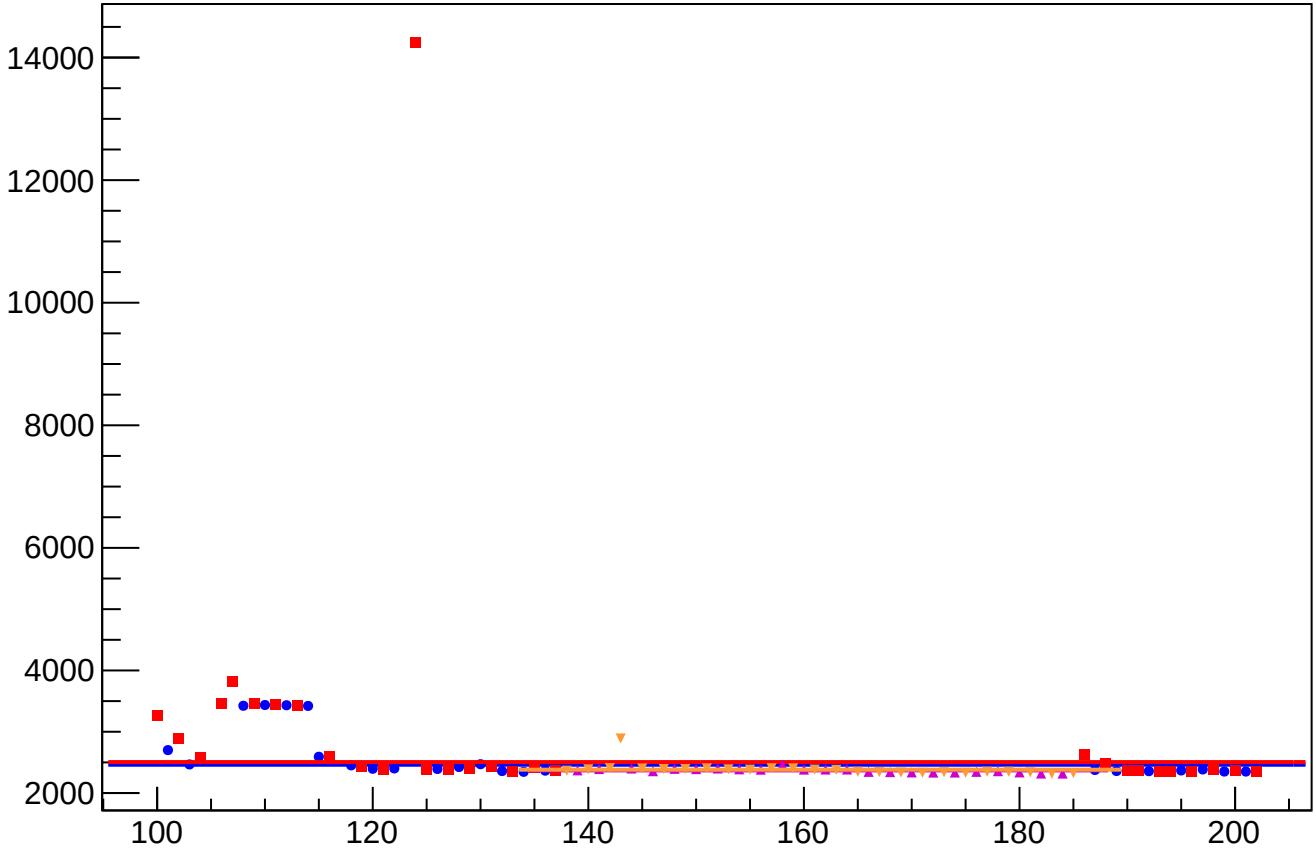
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1467.674+/-429.085 χ^2/NDF: 40.0/47

All: -101.423+/-301.905 χ^2/NDF: 120.8/99

- sign -1639.781+/-424.862 χ^2/NDF: 54.3/51

eigen_cor_asym_atl1_rms vs Slug



Right In: 2461.738+/-0.498 χ^2/NDF: 259078.2/22

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2505.214+/-0.469 χ^2/NDF: 626288.1/28

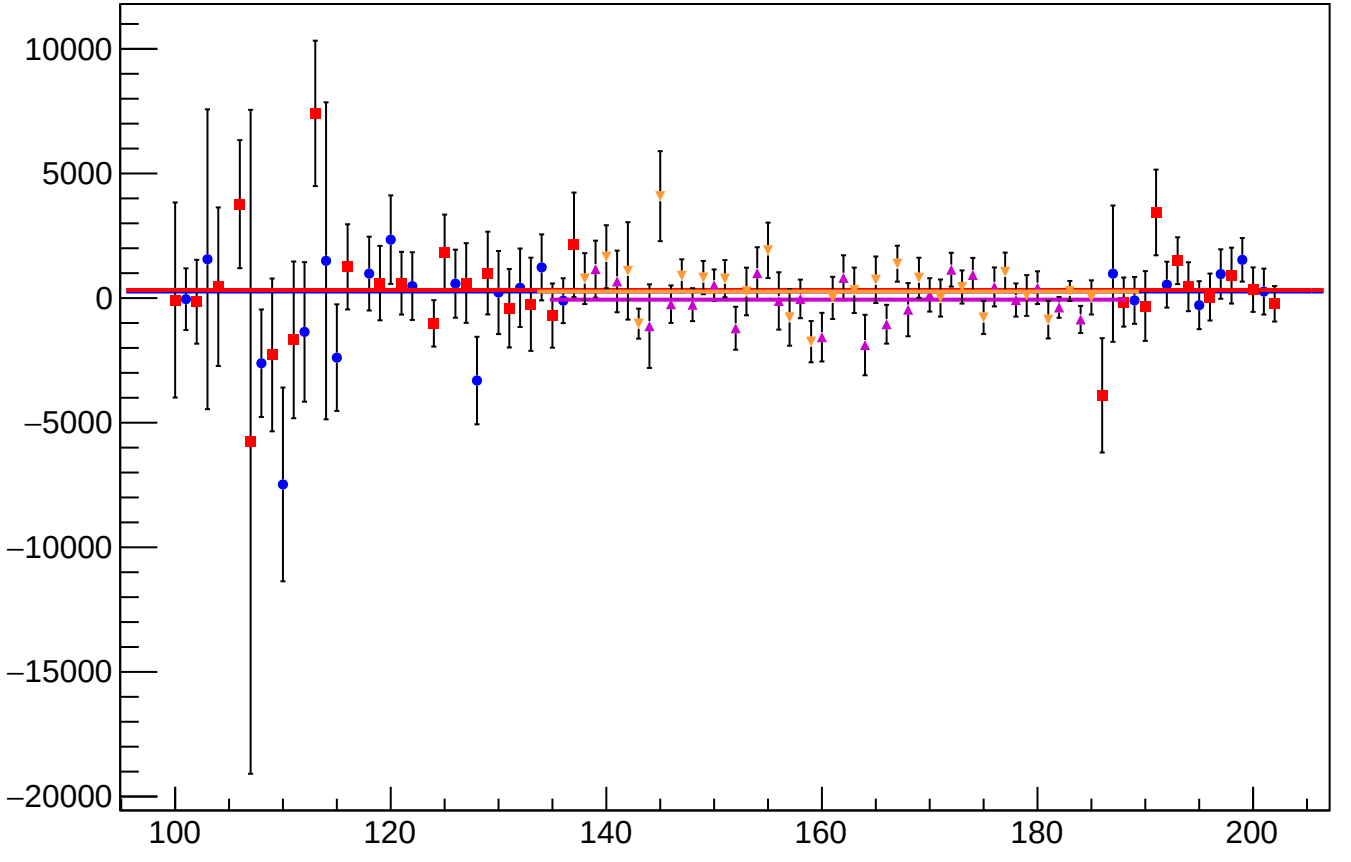
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2411.151+/-0.303 χ^2/NDF: 333140.6/47

All: 2418.201+/-0.213 χ^2/NDF: 1016991.8/99

- sign 2425.113+/-0.300 χ^2/NDF: 682782.0/51

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 264.146+/-276.221 χ^2/NDF: 17.6/22

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 325.321+/-252.734 χ^2/NDF: 24.1/28

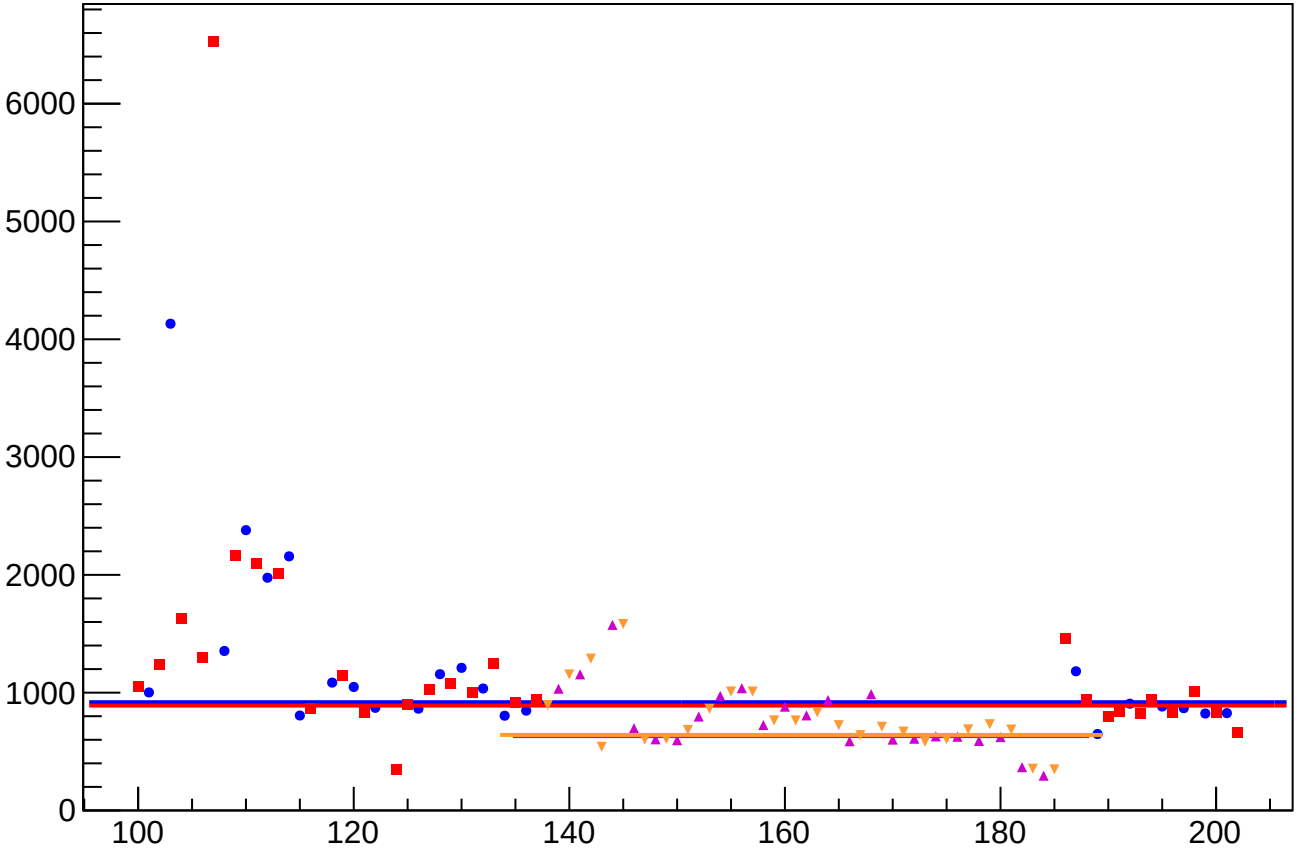
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 262.631+/-134.515 χ^2/NDF: 48.7/47

All: 153.707+/-94.793 χ^2/NDF: 97.7/99

- sign 46.255+/-133.603 χ^2/NDF: 47.7/51

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 918.835+/-0.195 χ^2/NDF: 1724528.6/22

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

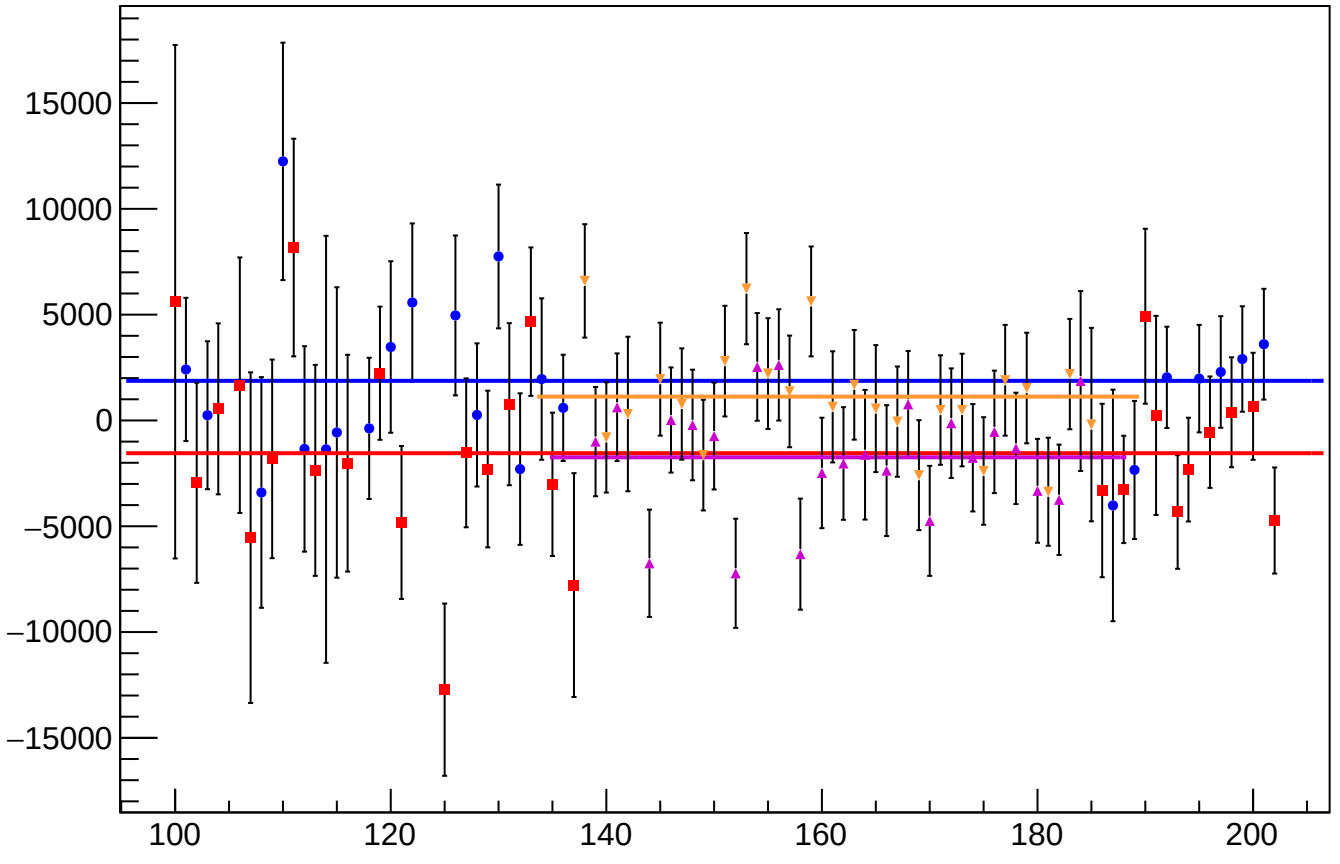
Right Out: 890.357+/-0.179 χ^2/NDF: 2805609.1/28

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 707.019+/-0.095 χ^2/NDF: 6740808.6/47

All: 705.307+/-0.067 χ^2/NDF: 15037942.0/99

- sign 703.619+/-0.094 χ^2/NDF: 8296490.3/51



Right In: 1872.289+/-709.260 χ^2/NDF: 15.8/22

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1546.970+/-672.078 χ^2/NDF: 27.3/27

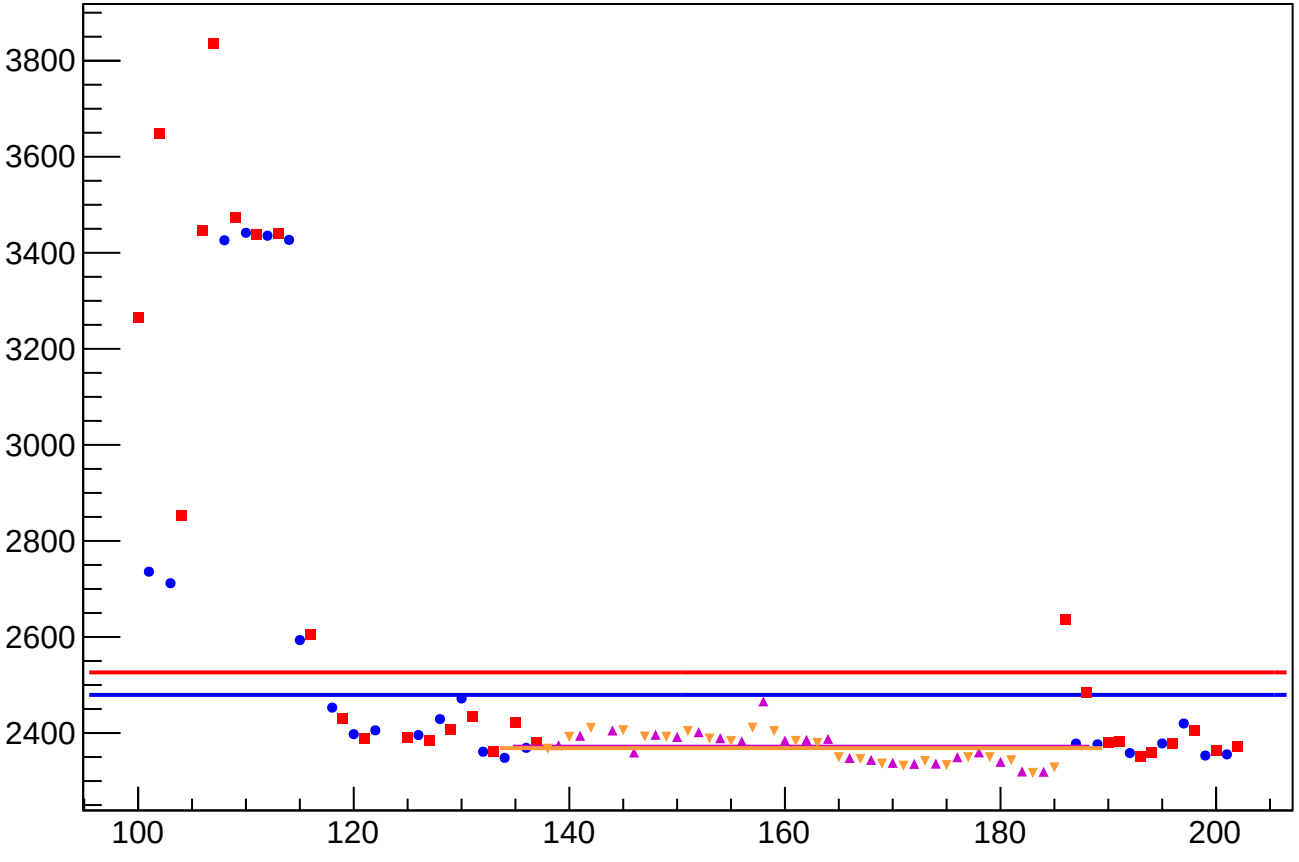
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1405.867+/-434.550 χ^2/NDF: 37.7/46

All: -154.280+/-304.704 χ^2/NDF: 114.2/97

- sign -1663.318+/-427.373 χ^2/NDF: 51.1/50

dit_asym_atl1_rms vs Slug



Right In: 2479.409+/-0.502 χ^2/NDF: 268484.2/22

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2526.274+/-0.475 χ^2/NDF: 519924.8/27

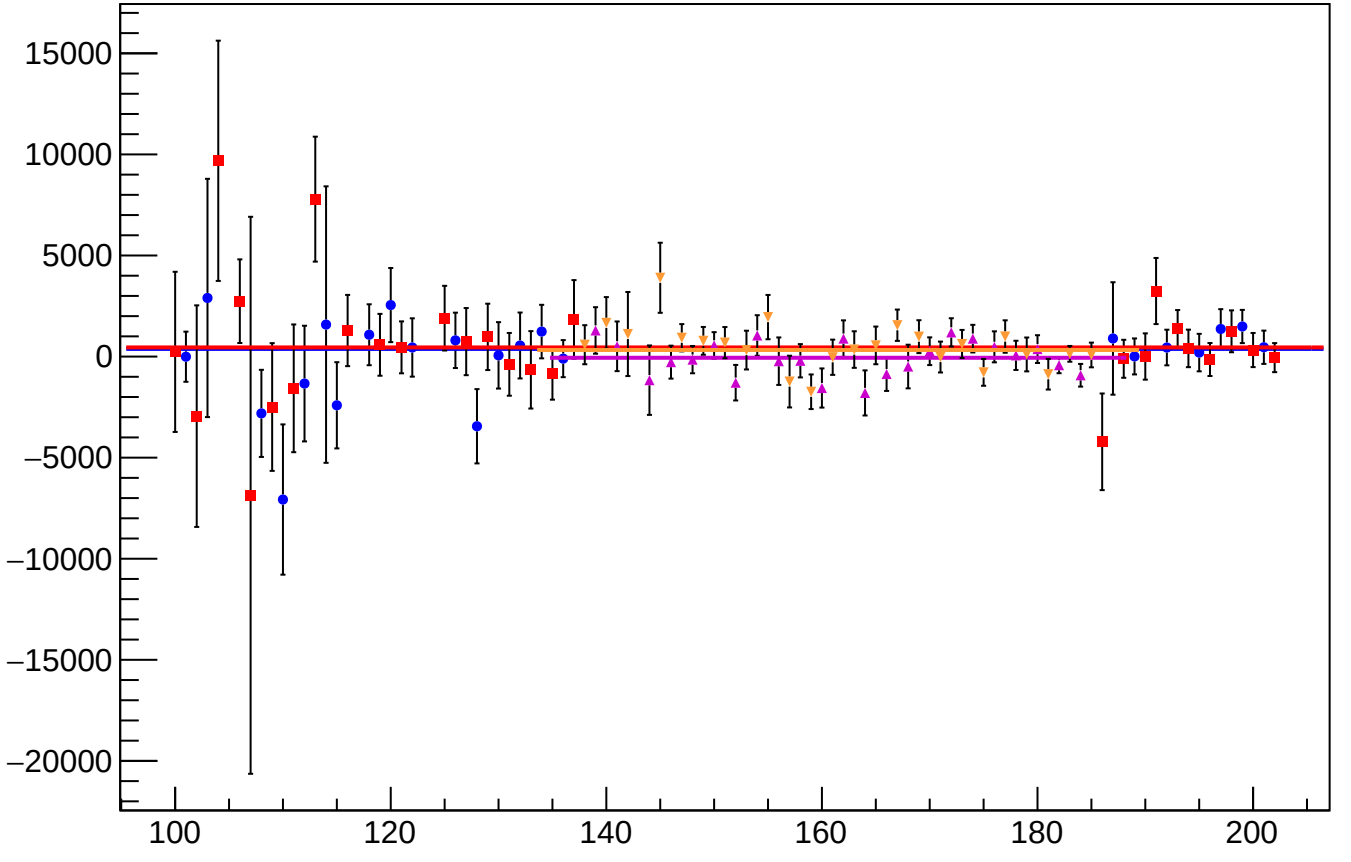
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2410.176+/-0.307 χ^2/NDF: 304564.7/46

All: 2422.335+/-0.215 χ^2/NDF: 897786.5/97

- sign 2434.096+/-0.302 χ^2/NDF: 590141.3/50

asym_atl1_dit_correction_mean vs Slug



Right In: 379.165+/-269.926 χ^2/NDF: 18.5/22

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 451.810+/-255.754 χ^2/NDF: 24.5/27

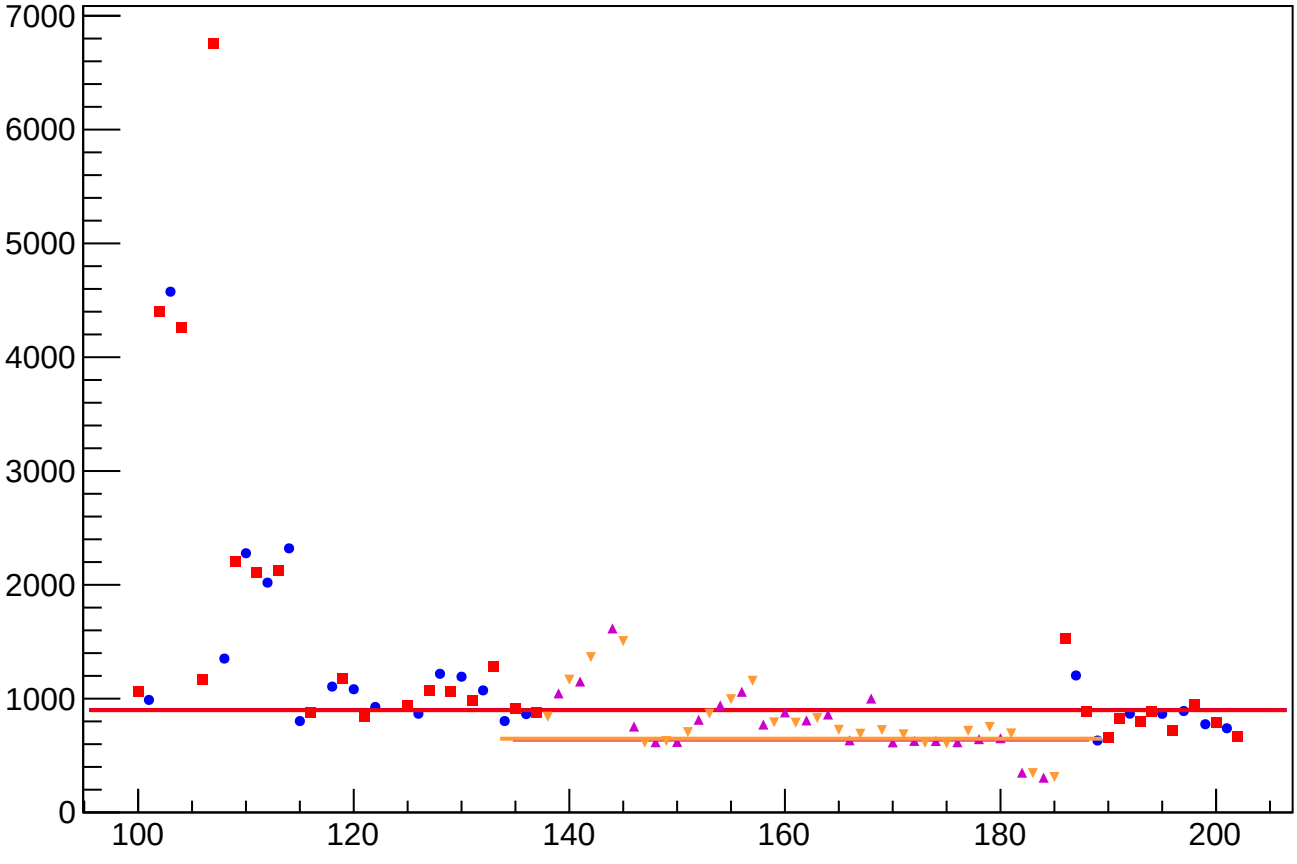
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 339.795+/-137.663 χ^2/NDF: 45.3/46

All: 209.722+/-96.547 χ^2/NDF: 97.1/97

- sign 83.813+/-135.441 χ^2/NDF: 50.1/50

asym_atl1_dit_correction_rms vs Slug



Right In: 900.499+/-0.191 χ^2/NDF: 2098949.3/22

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 898.735+/-0.181 χ^2/NDF: 3602093.5/27

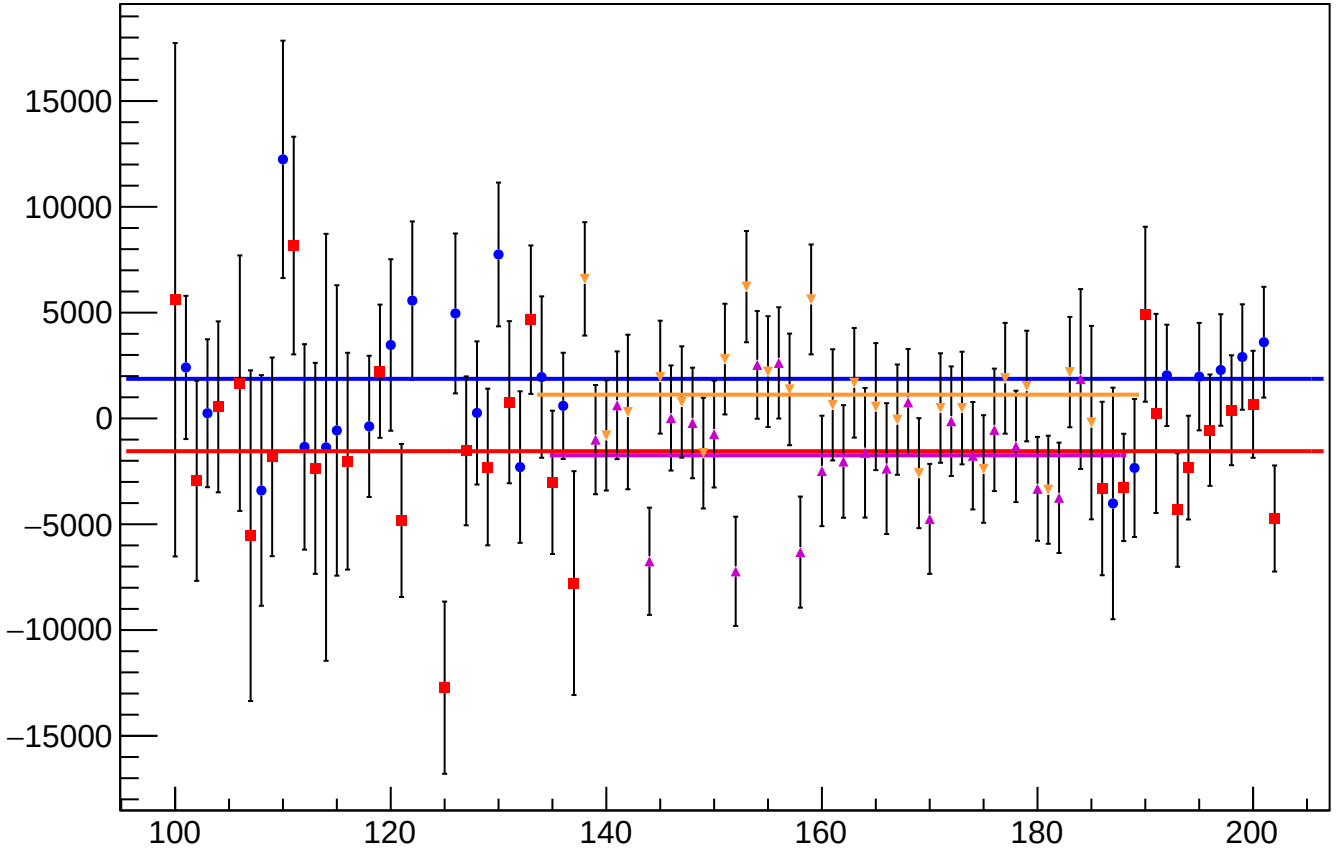
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 713.750+/-0.097 χ^2/NDF: 7279794.7/46

All: 713.301+/-0.068 χ^2/NDF: 16478735.4/97

- sign 712.867+/-0.096 χ^2/NDF: 9198898.8/50

eigen_dit_asym_atl1_mean vs Slug



Right In: 1872.287+/-709.260 χ^2/NDF: 15.8/22

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1546.968+/-672.078 χ^2/NDF: 27.3/27

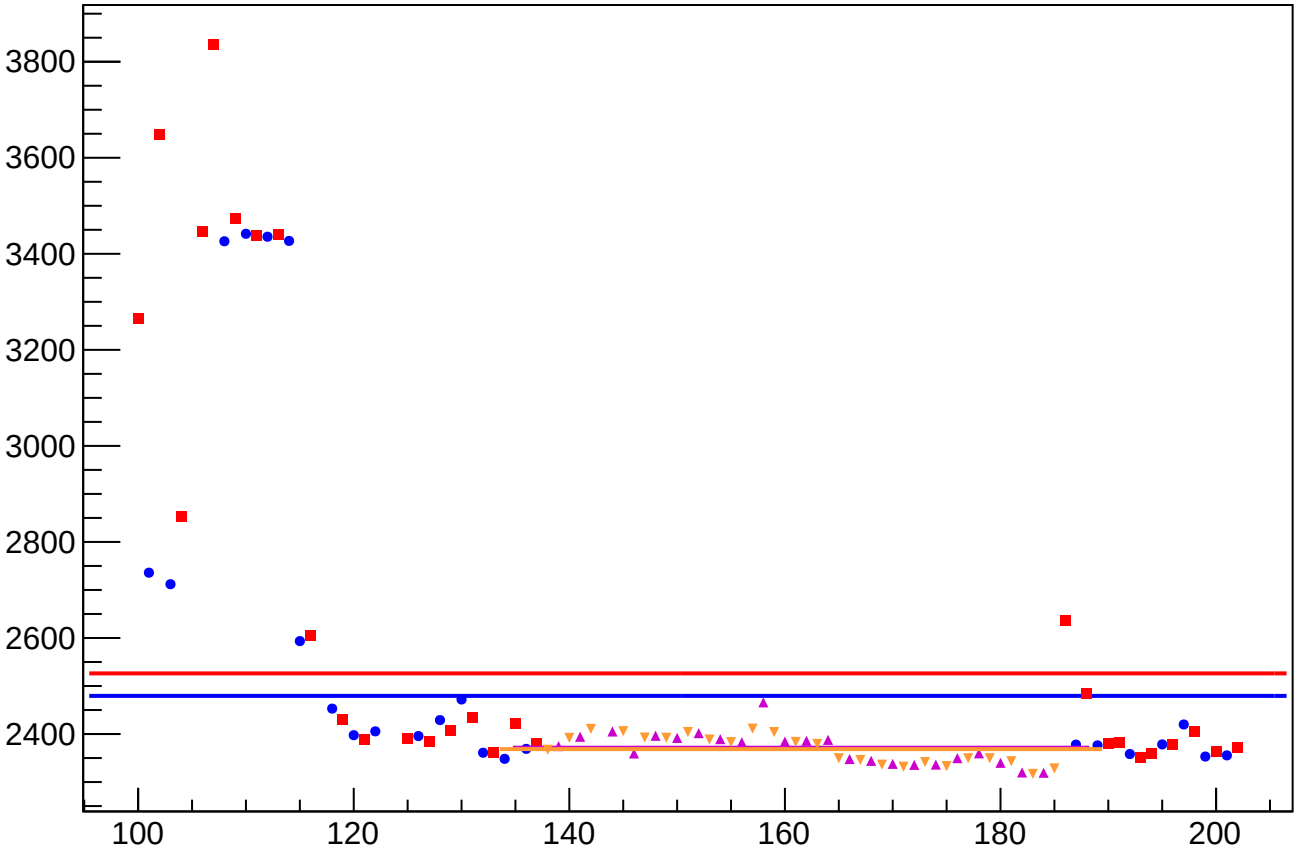
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1405.867+/-434.550 χ^2/NDF: 37.7/46

All: -154.280+/-304.704 χ^2/NDF: 114.2/97

- sign -1663.317+/-427.373 χ^2/NDF: 51.1/50

eigen_dit_asym_atl1_rms vs Slug



Right In: 2479.409+/-0.502 χ^2/NDF: 268483.8/22

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2526.273+/-0.475 χ^2/NDF: 519924.0/27

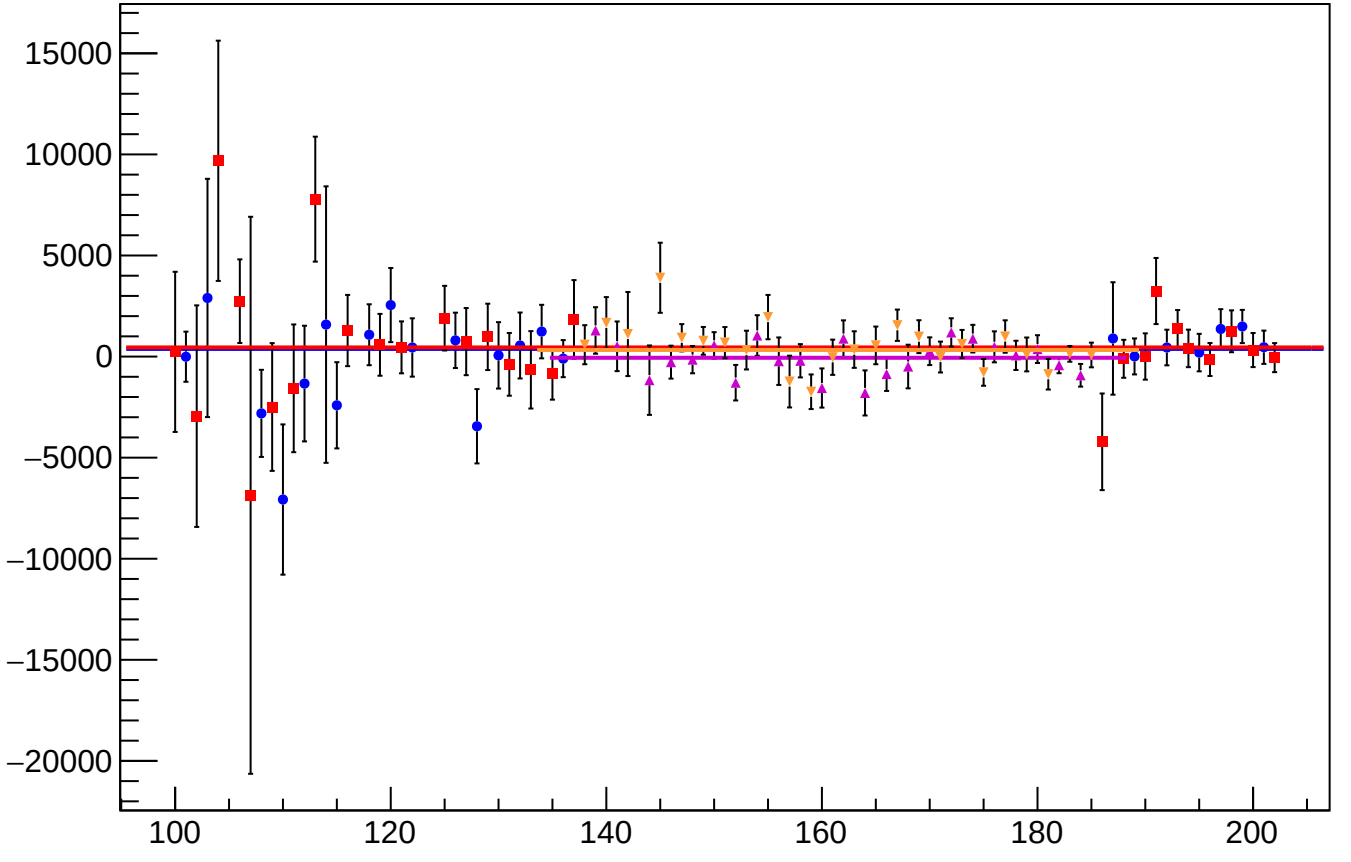
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2410.176+/-0.307 χ^2/NDF: 304564.2/46

All: 2422.335+/-0.215 χ^2/NDF: 897785.0/97

- sign 2434.096+/-0.302 χ^2/NDF: 590140.3/50

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 379.164+/-269.926 χ^2/NDF: 18.5/22

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 451.811+/-255.753 χ^2/NDF: 24.5/27

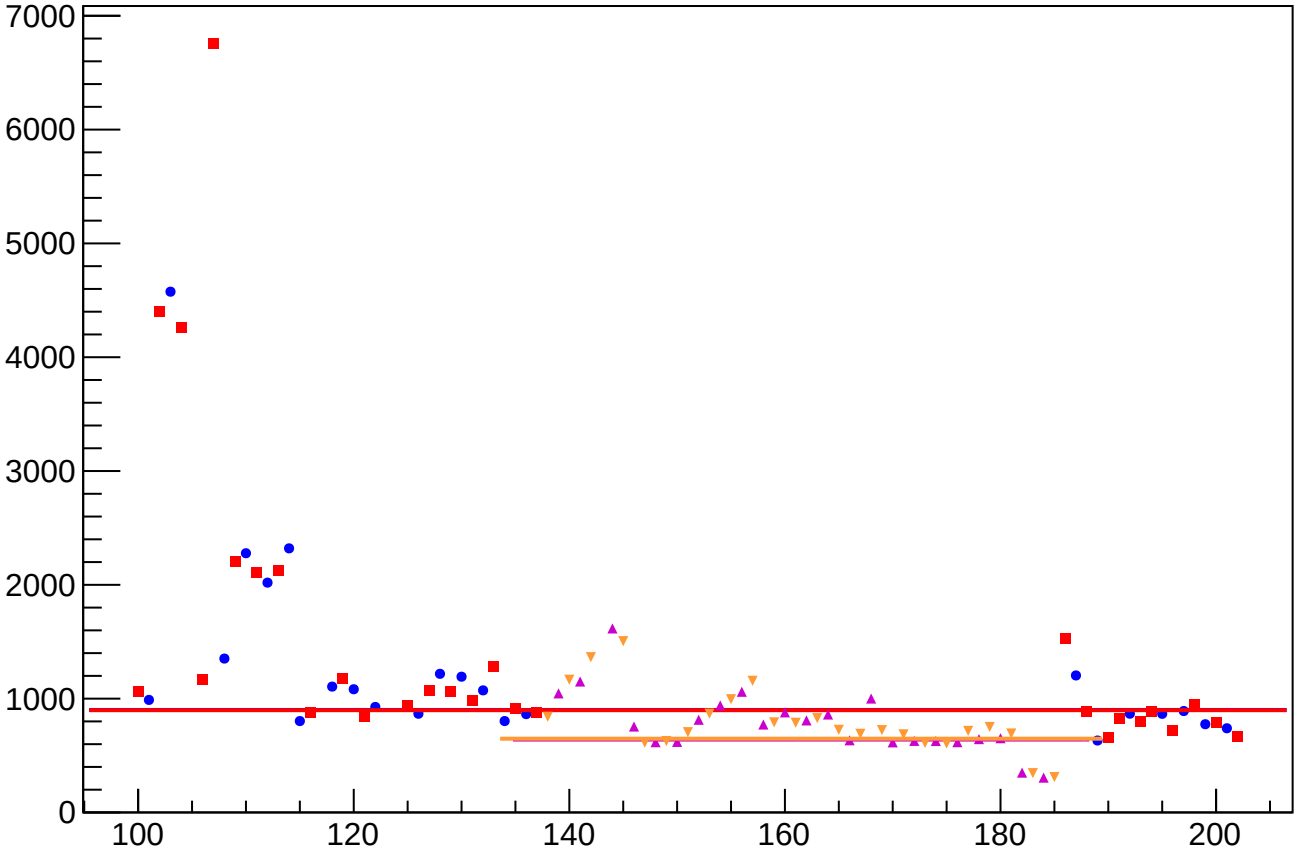
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

\+ sign 339.795+/-137.663 χ^2/NDF: 45.3/46

All: 209.721+/-96.548 χ^2/NDF: 97.1/97

\- sign 83.813+/-135.441 χ^2/NDF: 50.1/50

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 900.499+/-0.191 χ^2/NDF: 2098946.7/22

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 898.735+/-0.181 χ^2/NDF: 3602090.0/27

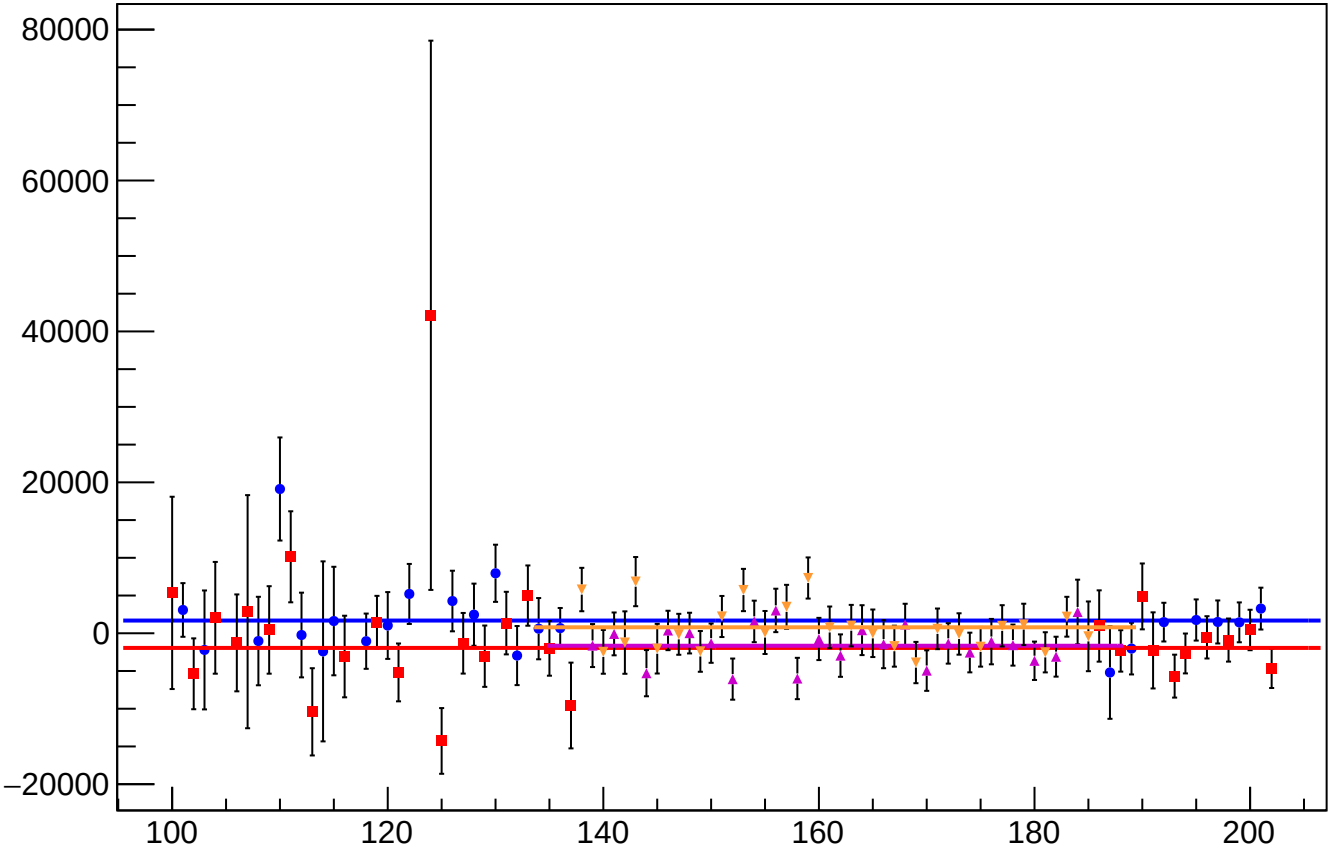
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 713.751+/-0.097 χ^2/NDF: 7279790.8/46

All: 713.302+/-0.068 χ^2/NDF: 16478731.7/97

- sign 712.867+/-0.096 χ^2/NDF: 9198899.1/50

asym_atl1_mean vs Slug



Right In: 1684.736+/-779.795 χ^2/NDF: 16.3/22

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1942.429+/-735.767 χ^2/NDF: 31.2/28

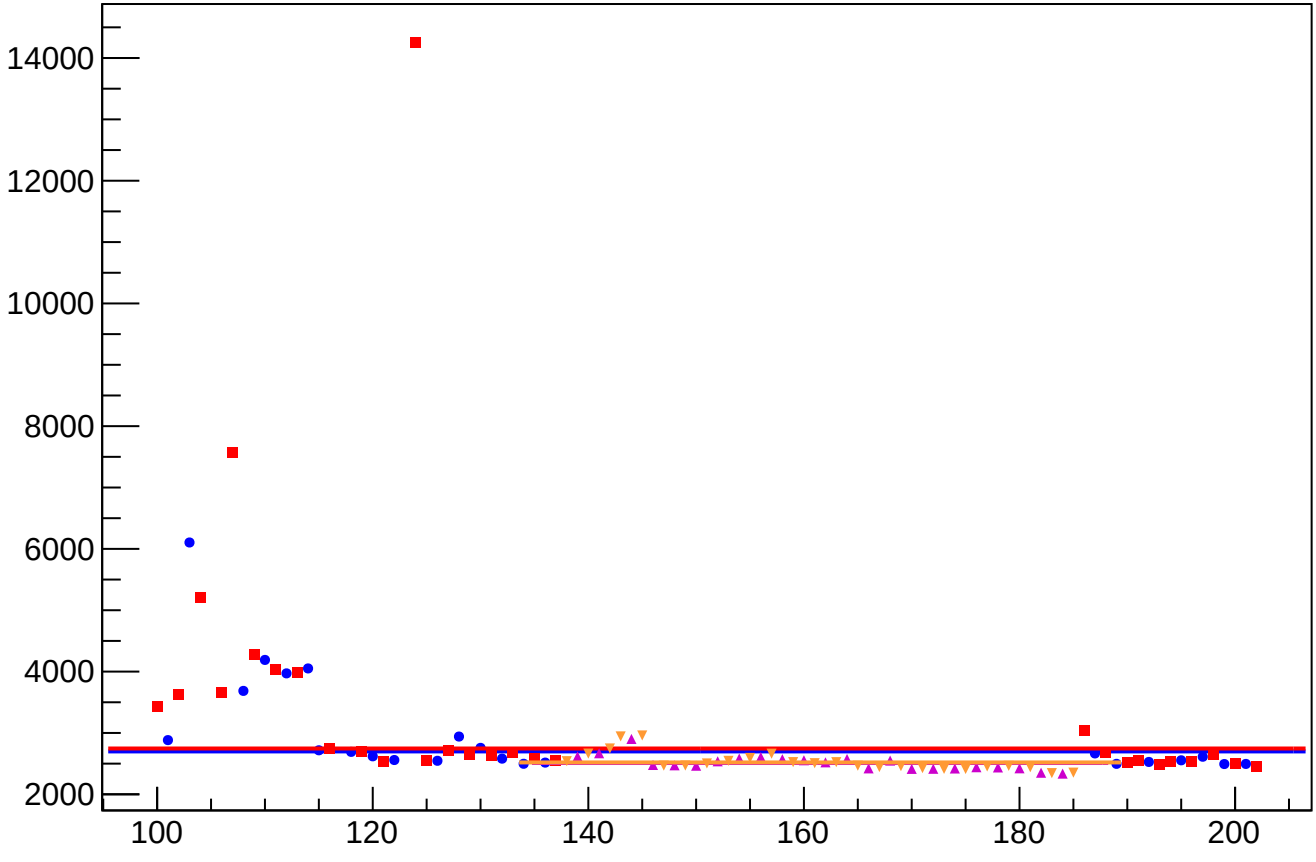
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1104.840+/-461.884 χ^2/NDF: 44.3/47

All: -340.613+/-325.487 χ^2/NDF: 112.4/99

- sign -1766.509+/-458.749 χ^2/NDF: 48.7/51

asym_atl1_rms vs Slug



Right In: 2698.993+/-0.551 χ^2/NDF: 734971.5/22

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2746.609+/-0.520 χ^2/NDF: 1176159.9/28

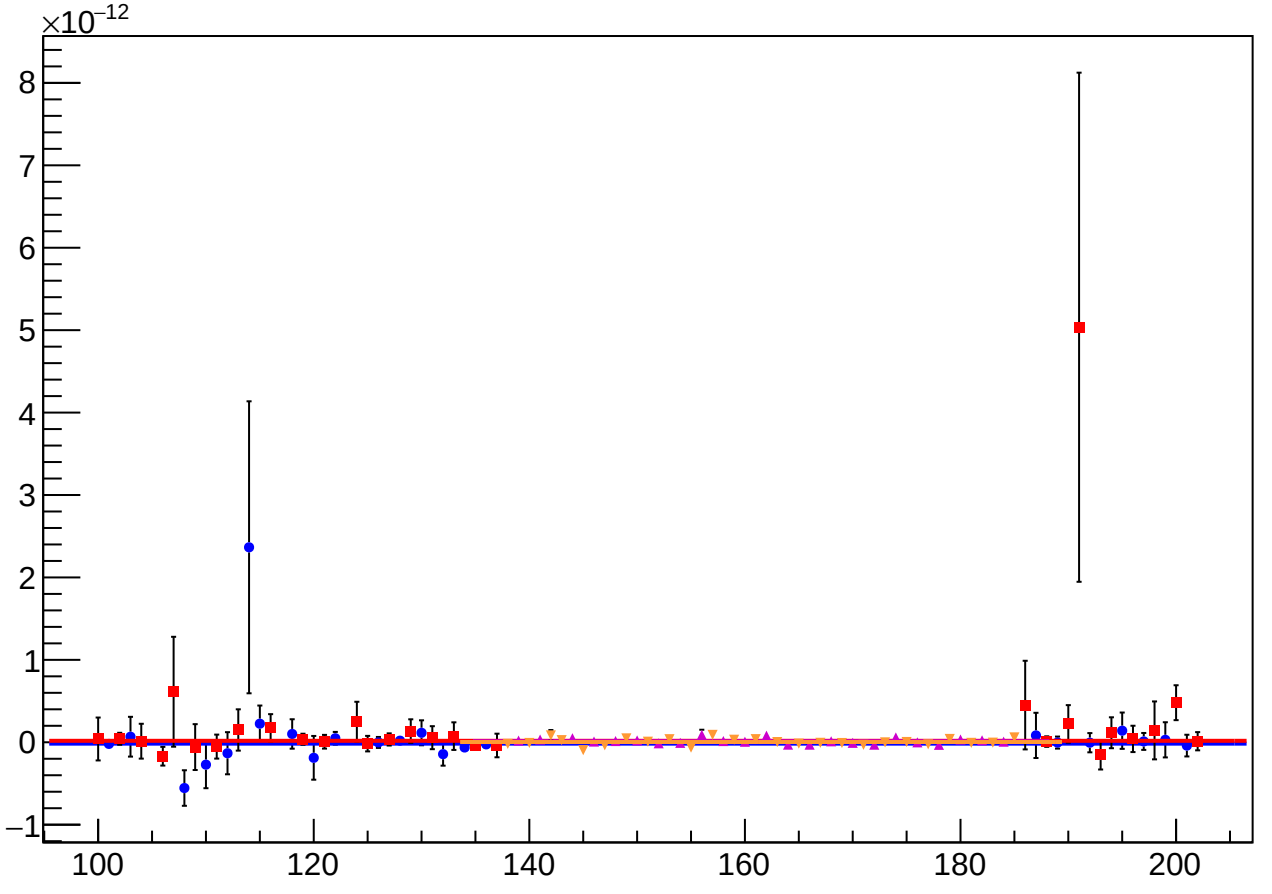
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2582.483+/-0.327 χ^2/NDF: 918952.7/47

All: 2592.347+/-0.230 χ^2/NDF: 2296954.4/99

- sign 2602.077+/-0.324 χ^2/NDF: 1376189.7/51

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

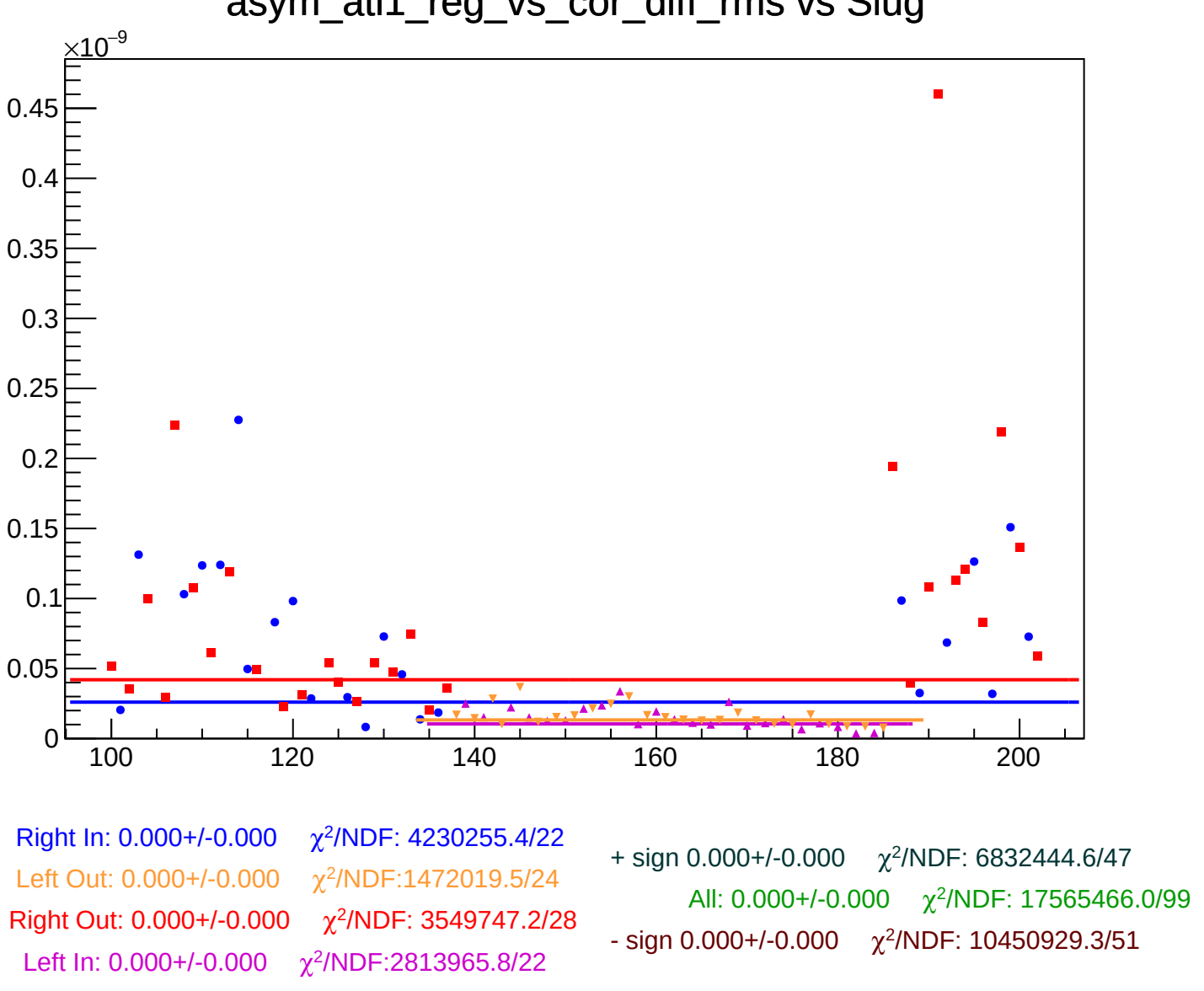
Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/28

Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

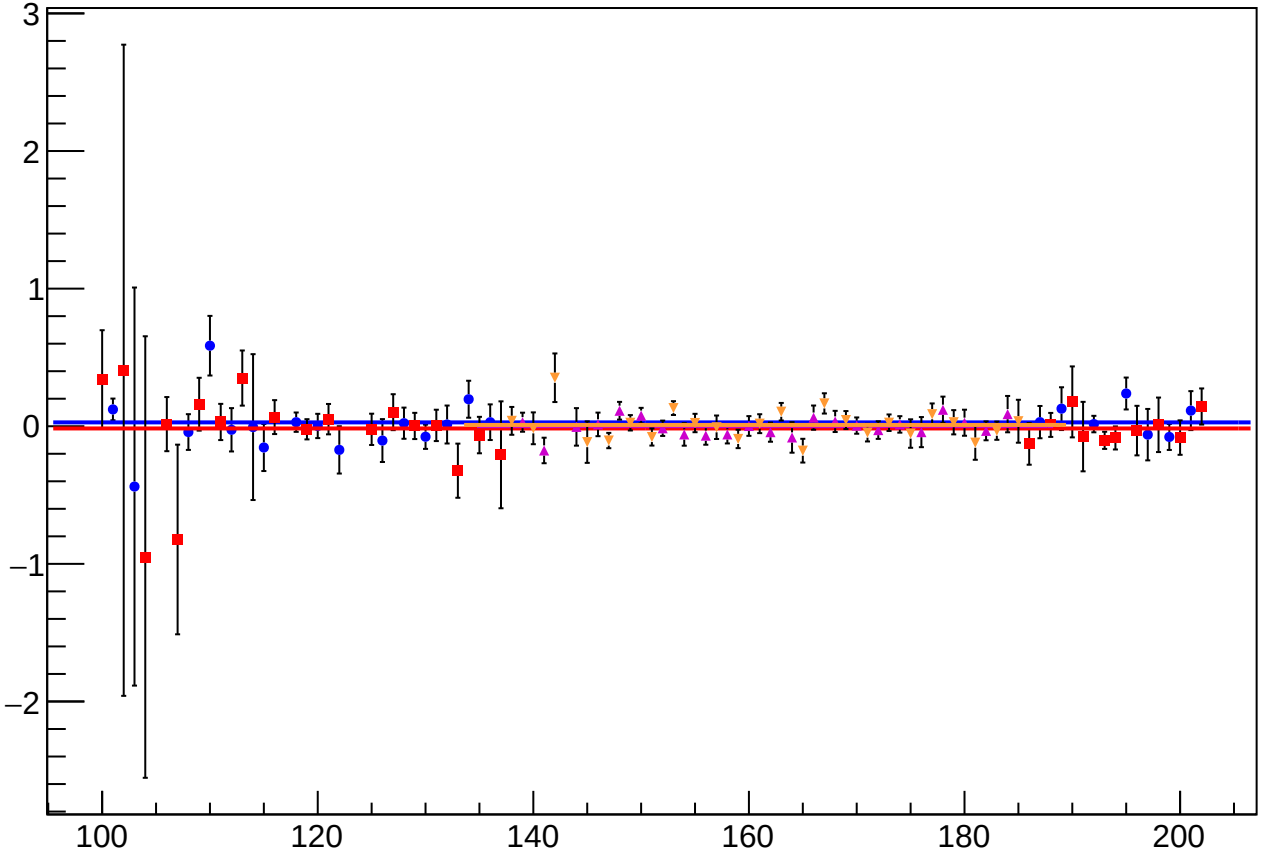
+ sign 0.000+/-0.000 χ^2/NDF: 46.4/47

All: 0.000+/-0.000 χ^2/NDF: 100.4/99

- sign 0.000+/-0.000 χ^2/NDF: 51.0/51


asym_atl1_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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4230255.4/22
Left Out: 0.000+/-0.000 χ²/NDF:1472019.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3549747.2/28
Left In: 0.000+/-0.000 χ²/NDF:2813965.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6832444.6/47
All: 0.000+/-0.000 χ²/NDF: 17565466.0/99
- sign 0.000+/-0.000 χ²/NDF: 10450929.3/51

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.024 χ^2/NDF: 20.4/22

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.016+/-0.024 χ^2/NDF: 17.2/27

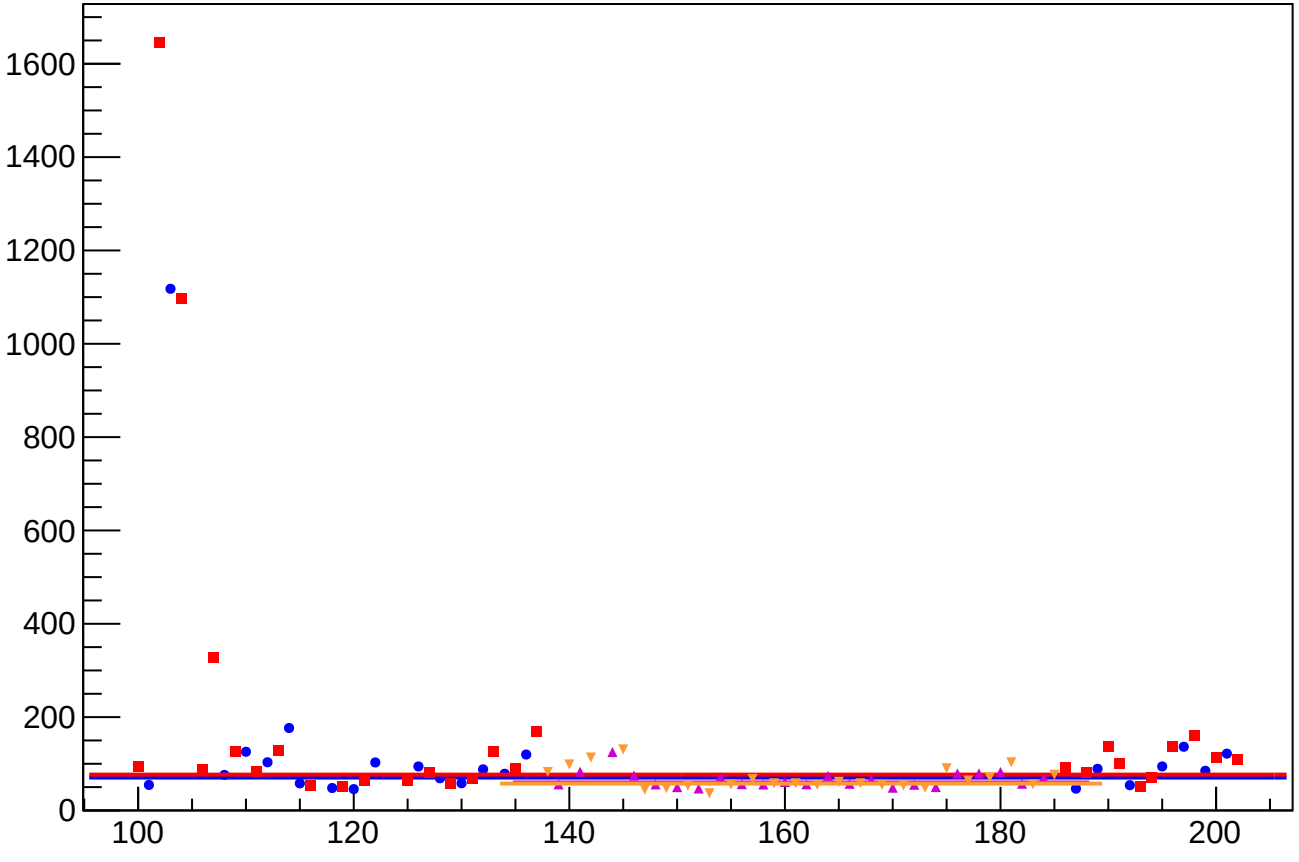
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.015+/-0.013 χ^2/NDF: 55.5/46

All: 0.006+/-0.009 χ^2/NDF: 89.8/97

- sign -0.004+/-0.013 χ^2/NDF: 33.2/50

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 70.524+/-0.017 χ^2/NDF: 3190769.9/22

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311224.1/27

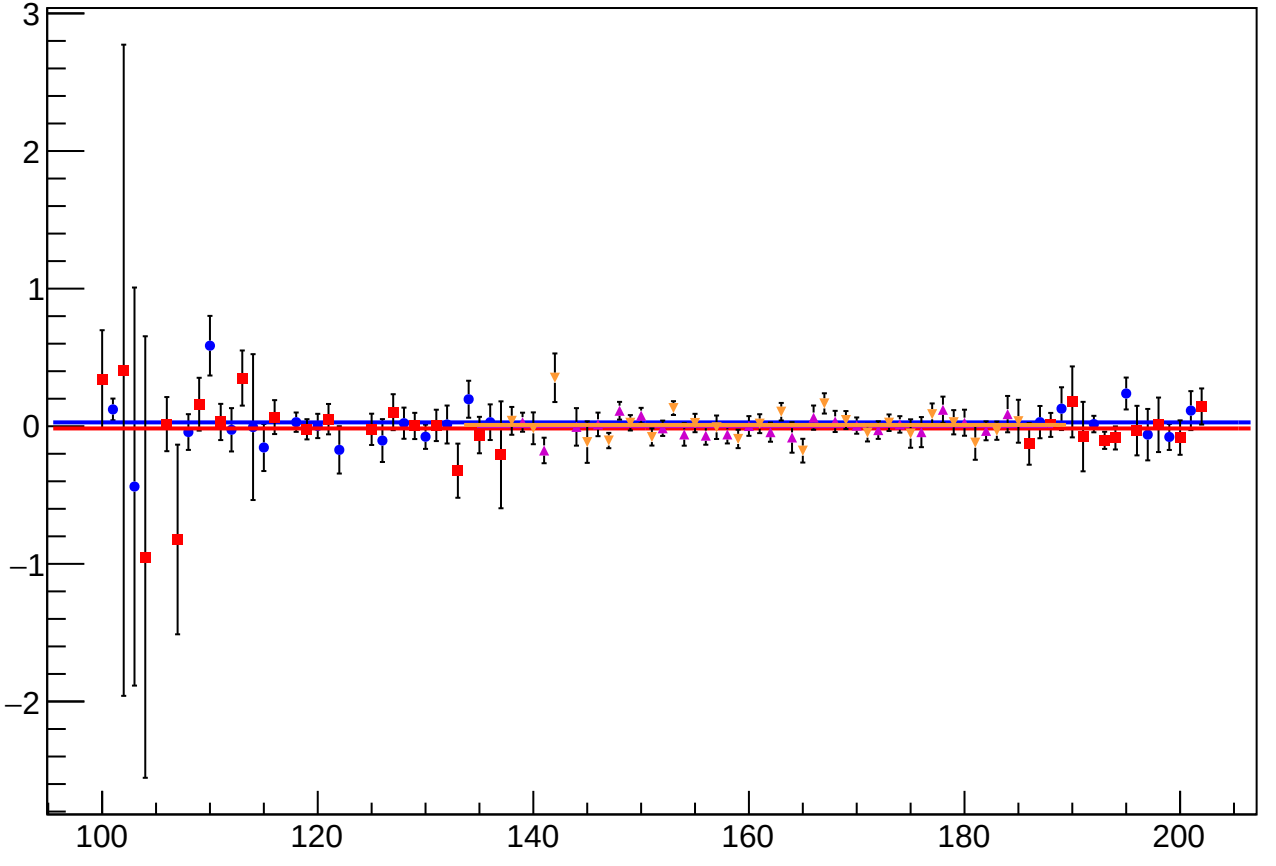
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

\+ sign 61.305+/-0.009 χ^2/NDF: 5822661.8/46

All: 62.958+/-0.006 χ^2/NDF: 12231631.0/97

\- sign 64.696+/-0.009 χ^2/NDF: 6340130.6/50

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.024 χ^2/NDF: 20.4/22

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.016+/-0.024 χ^2/NDF: 17.2/27

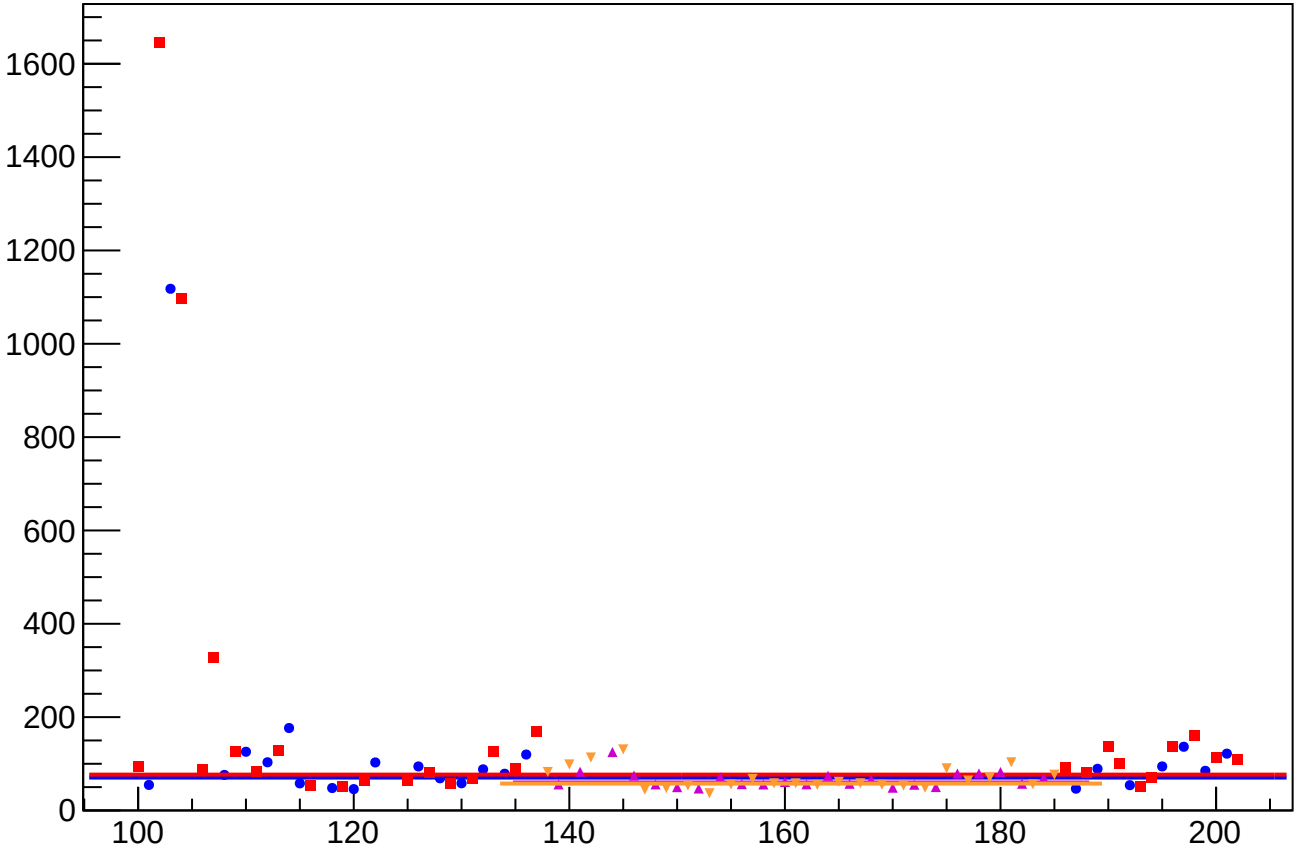
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.015+/-0.013 χ^2/NDF: 55.5/46

All: 0.006+/-0.009 χ^2/NDF: 89.8/97

- sign -0.004+/-0.013 χ^2/NDF: 33.2/50

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.524+/-0.017 χ^2/NDF: 3190769.9/22

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311224.1/27

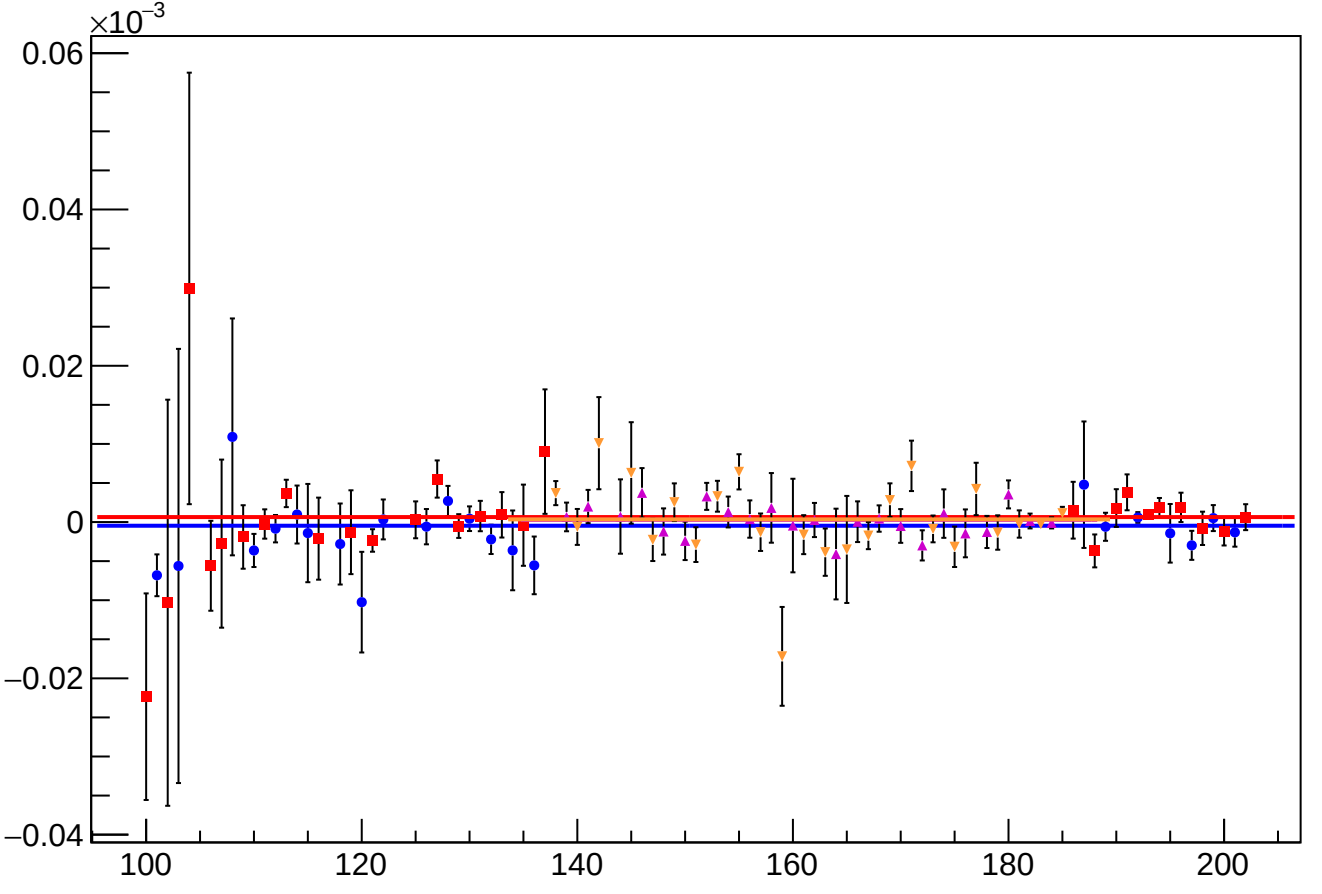
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.305+/-0.009 χ^2/NDF: 5822661.8/46

All: 62.958+/-0.006 χ^2/NDF: 12231631.0/97

- sign 64.696+/-0.009 χ^2/NDF: 6340130.6/50

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/27

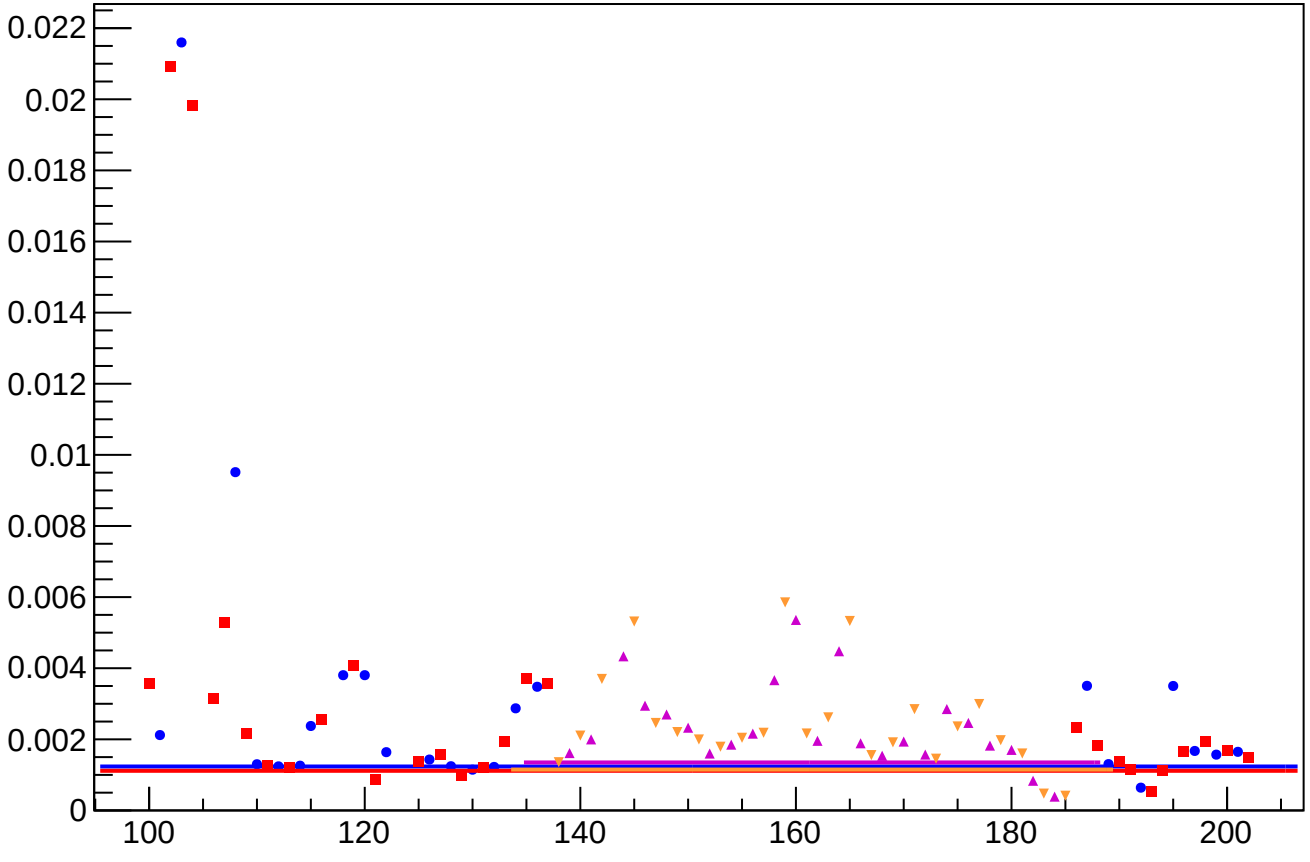
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.7/46

All: 0.000+/-0.000 χ^2/NDF: 117.9/97

- sign 0.000+/-0.000 χ^2/NDF: 44.7/50

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6470507.5/22

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7776961.9/27

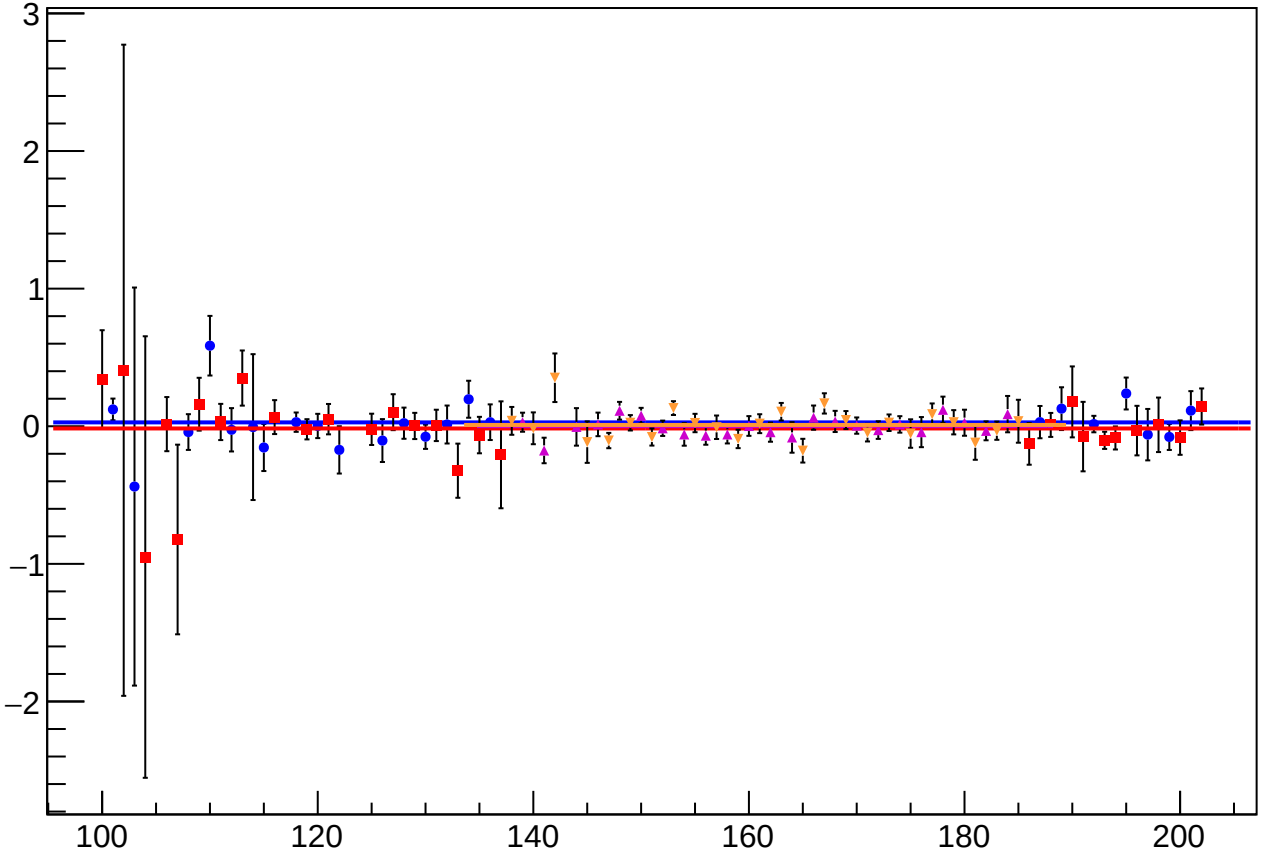
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19763544.8/46

All: 0.001+/-0.000 χ^2/NDF: 38212927.2/97

- sign 0.001+/-0.000 χ^2/NDF: 18425422.5/50

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.024 χ^2/NDF: 20.4/22

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.016+/-0.024 χ^2/NDF: 17.2/27

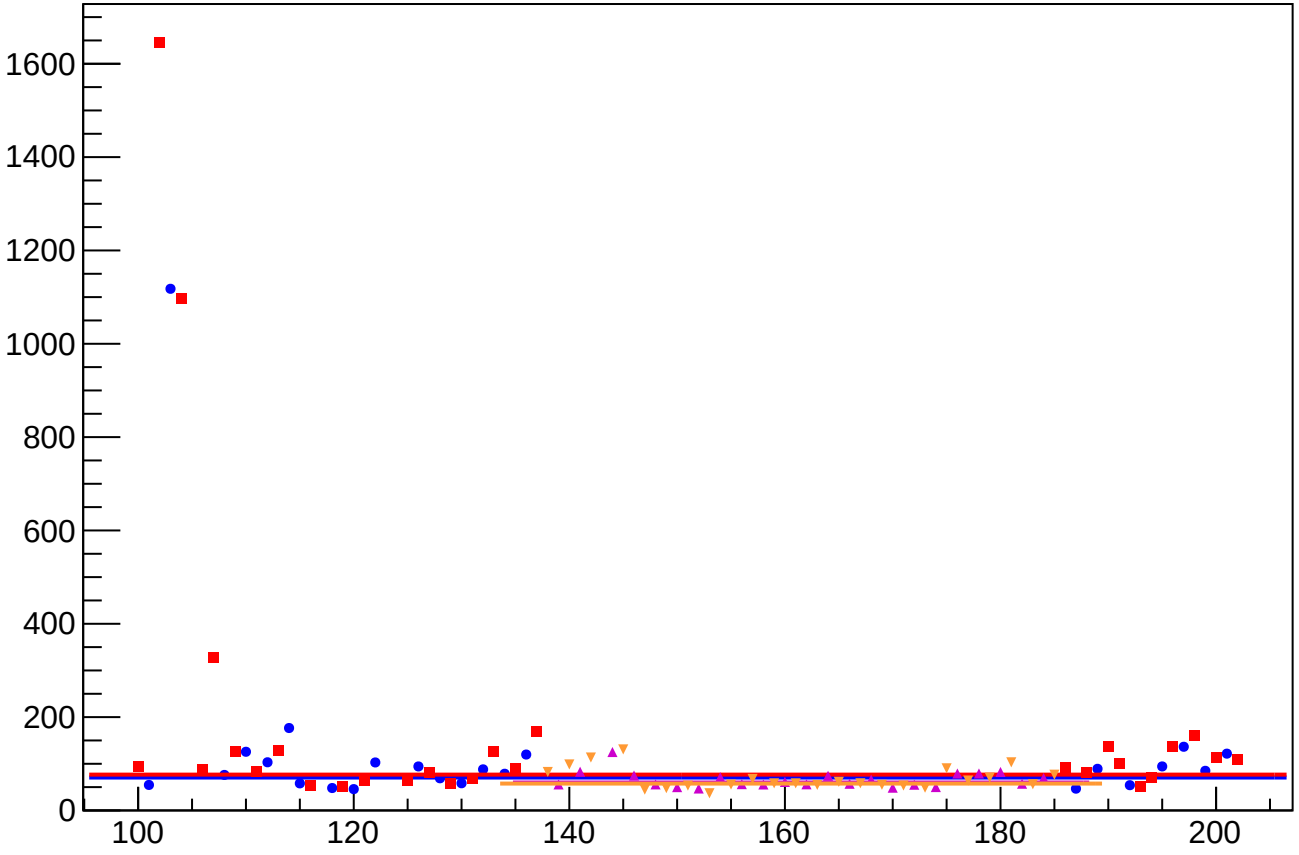
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.015+/-0.013 χ^2/NDF: 55.5/46

All: 0.006+/-0.009 χ^2/NDF: 89.8/97

- sign -0.004+/-0.013 χ^2/NDF: 33.2/50

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.523+/-0.017 χ^2/NDF: 3190899.9/22

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311251.3/27

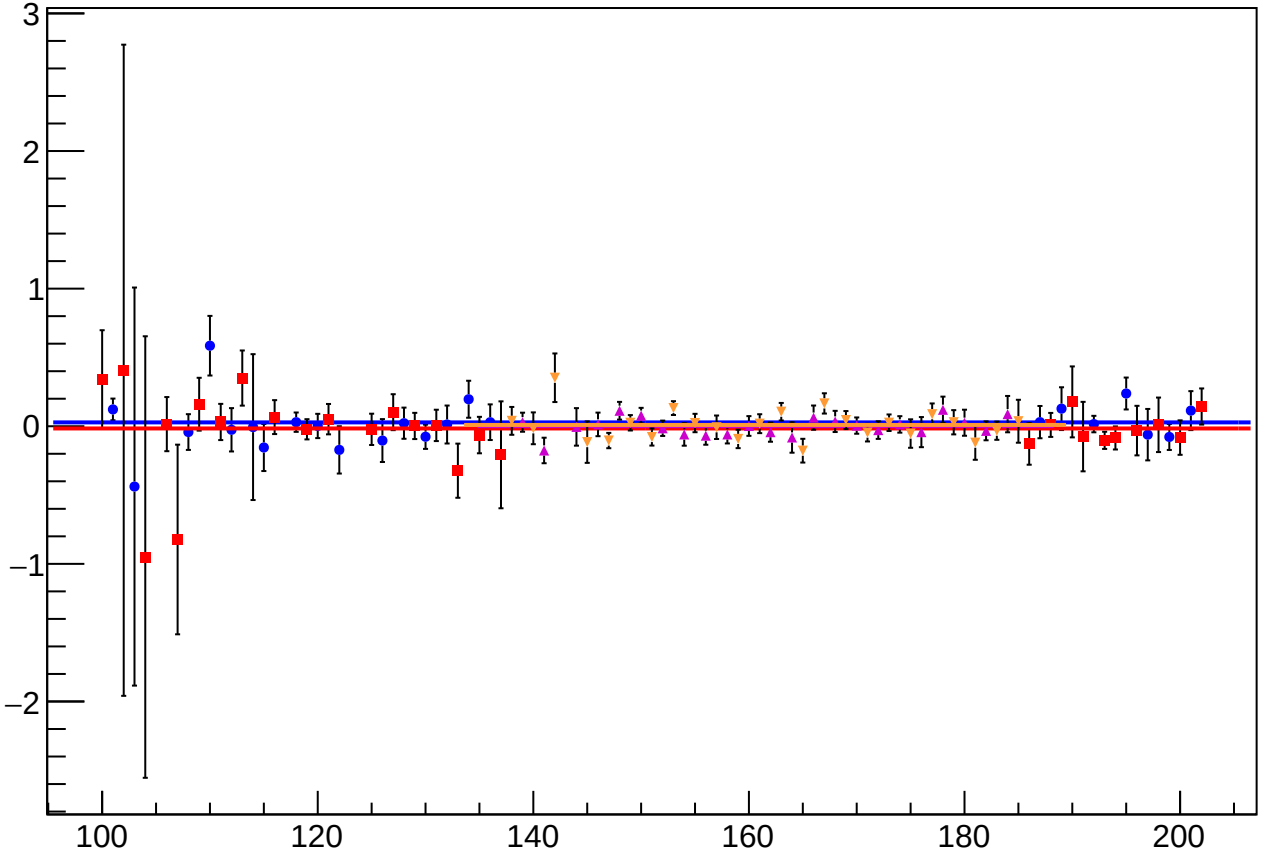
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.305+/-0.009 χ^2/NDF: 5822818.6/46

All: 62.958+/-0.006 χ^2/NDF: 12231764.7/97

- sign 64.696+/-0.009 χ^2/NDF: 6340098.4/50

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.024 χ^2/NDF: 20.4/22

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

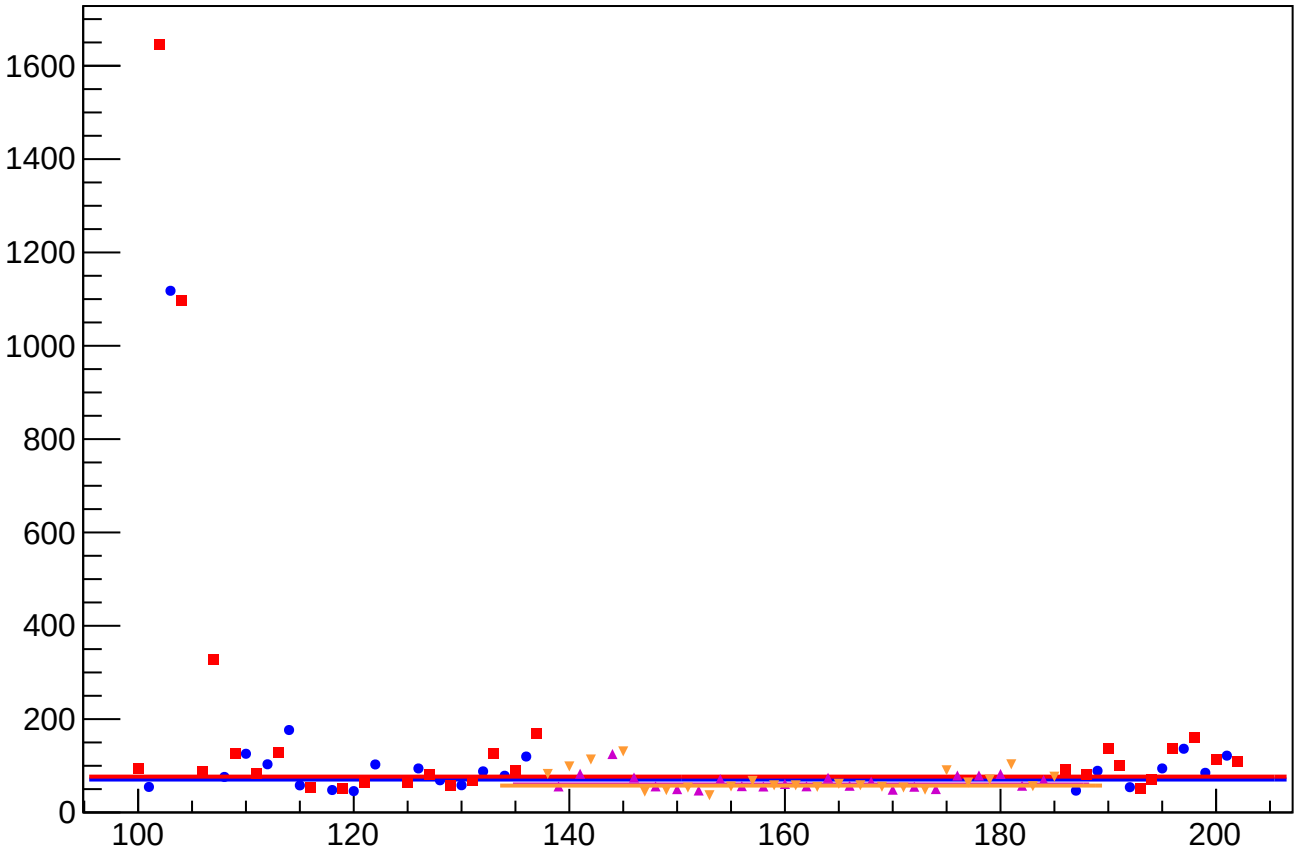
Right Out: -0.016+/-0.024 χ^2/NDF: 17.2/27

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.015+/-0.013 χ^2/NDF: 55.5/46

All: 0.006+/-0.009 χ^2/NDF: 89.8/97

- sign -0.004+/-0.013 χ^2/NDF: 33.2/50



Right In: 70.523+/-0.017 χ^2/NDF: 3190899.9/22

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311251.3/27

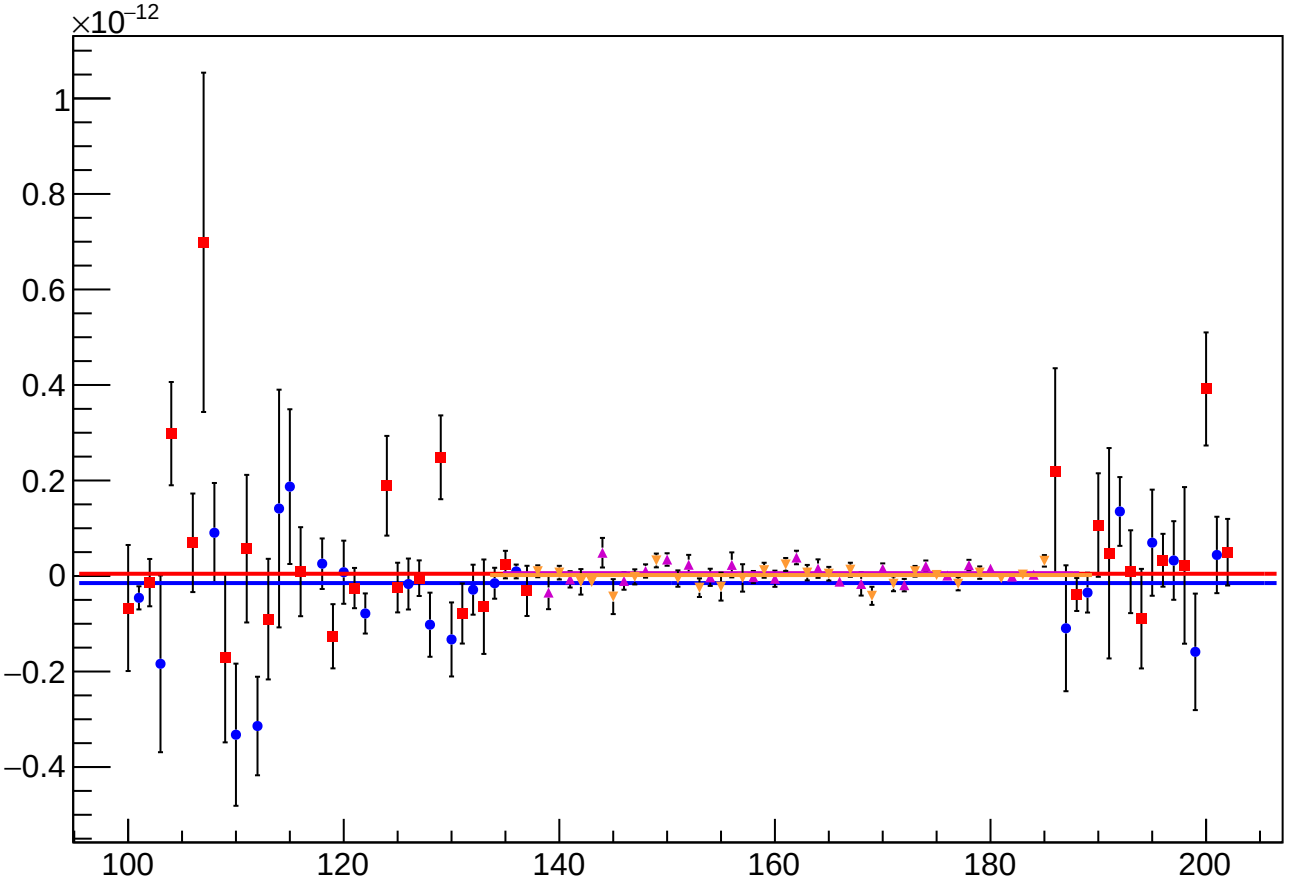
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.305+/-0.009 χ^2/NDF: 5822818.6/46

All: 62.958+/-0.006 χ^2/NDF: 12231764.7/97

- sign 64.696+/-0.009 χ^2/NDF: 6340098.4/50

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

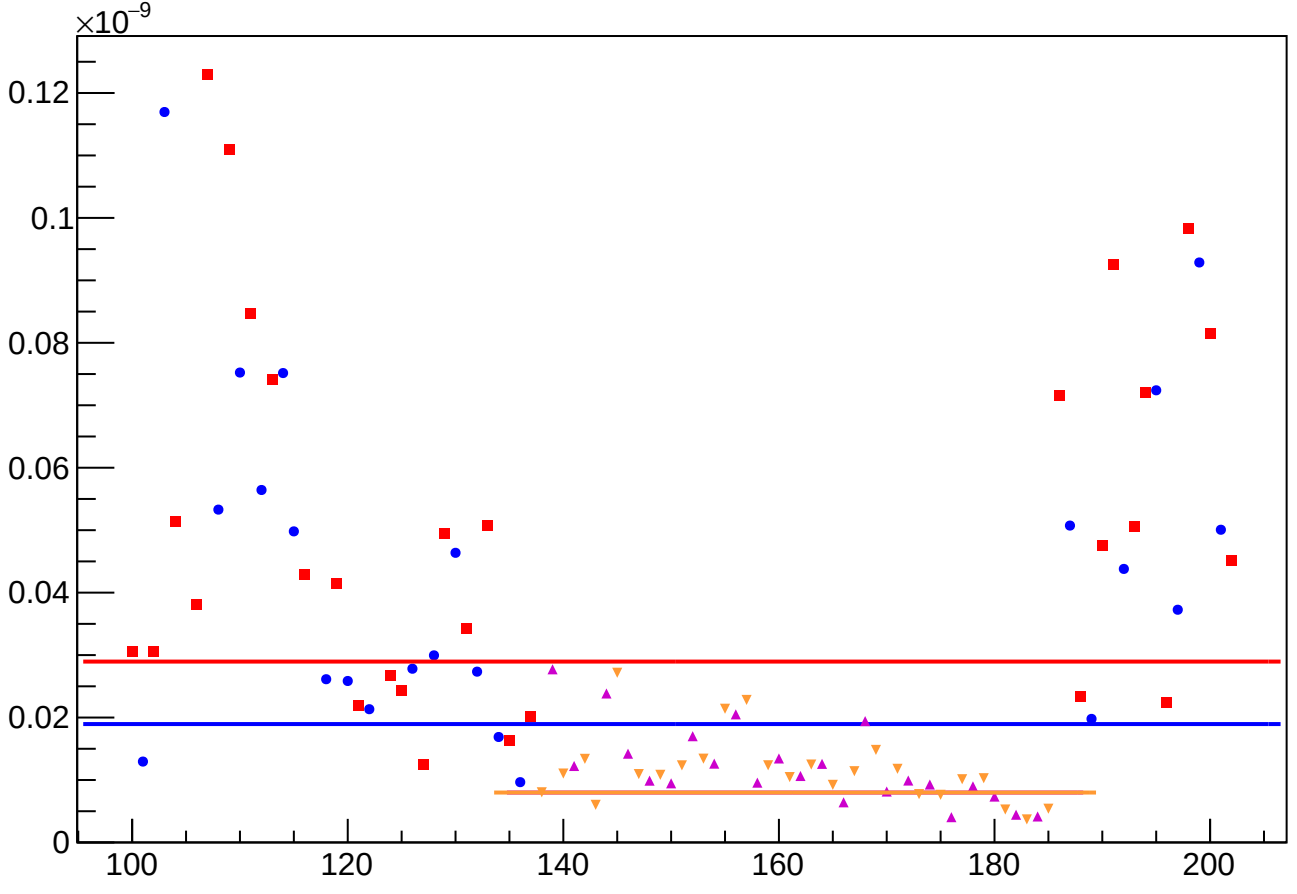
Right Out: 0.000+/-0.000 χ^2/NDF: 48.0/28

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.1/47

All: 0.000+/-0.000 χ^2/NDF: 153.8/99

- sign 0.000+/-0.000 χ^2/NDF: 80.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 4891385.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4131025.3/28

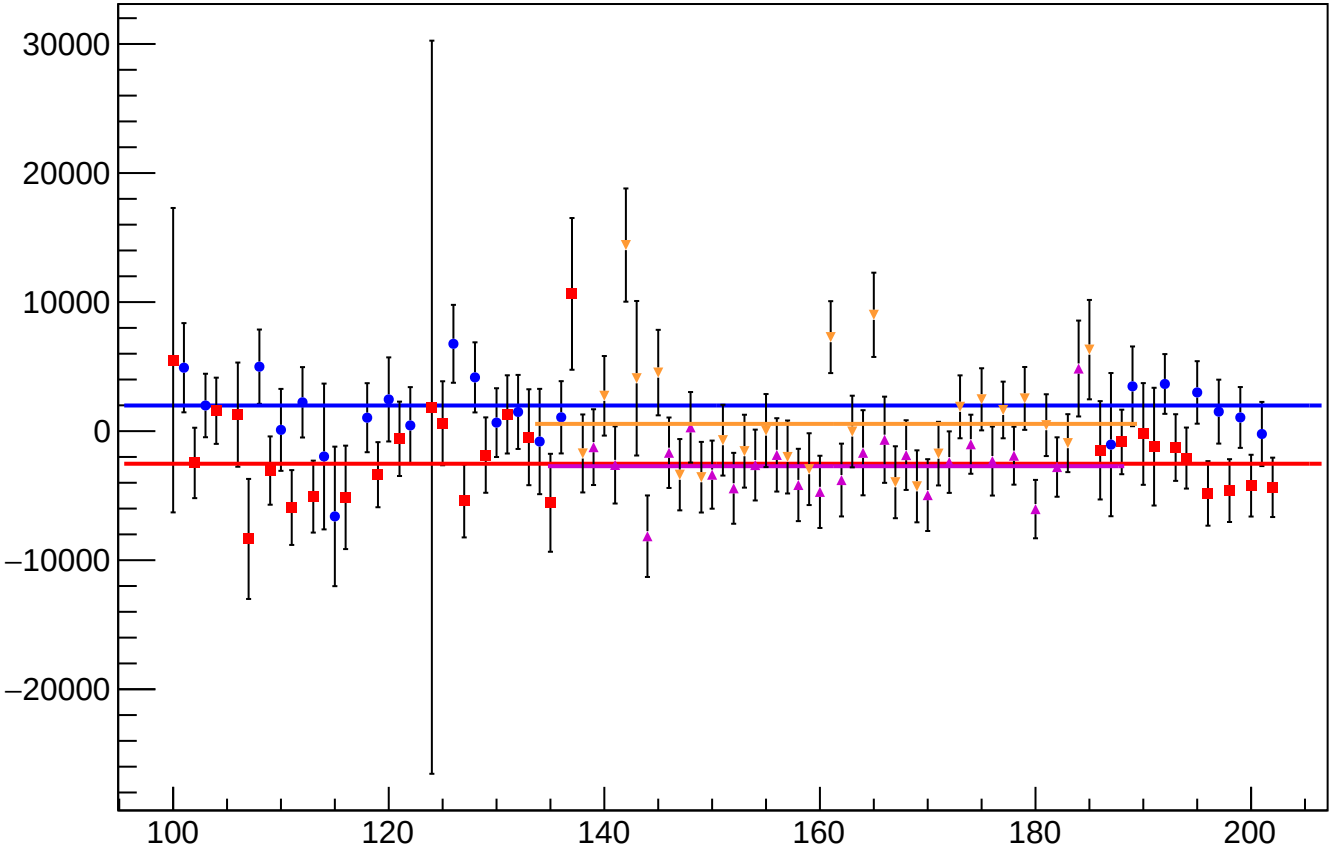
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12322247.4/47

All: 0.000+/-0.000 χ^2/NDF: 27338391.1/99

- sign 0.000+/-0.000 χ^2/NDF: 15011100.2/51

reg_asym_atl2_mean vs Slug



Right In: 1987.264+/-607.383 χ^2/NDF: 11.8/22

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2525.883+/-566.917 χ^2/NDF: 22.2/28

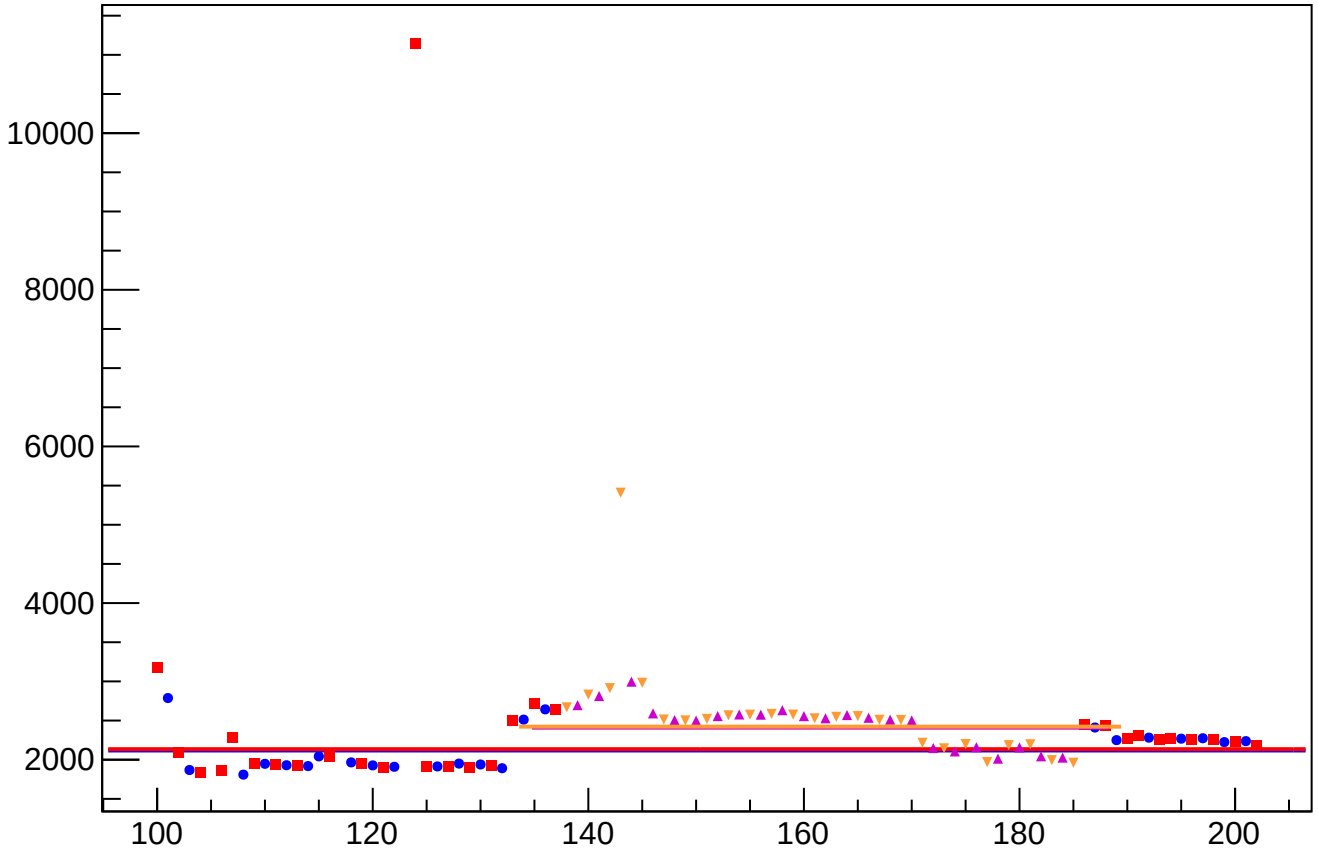
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1213.689+/-410.643 χ^2/NDF: 58.7/47

All: -751.120+/-286.758 χ^2/NDF: 140.0/99

- sign -2621.162+/-400.618 χ^2/NDF: 36.6/51

reg_asym_atl2_rms vs Slug



Right In: 2118.018+/-0.429 χ^2/NDF: 330660.7/22

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2134.656+/-0.401 χ^2/NDF: 510170.8/28

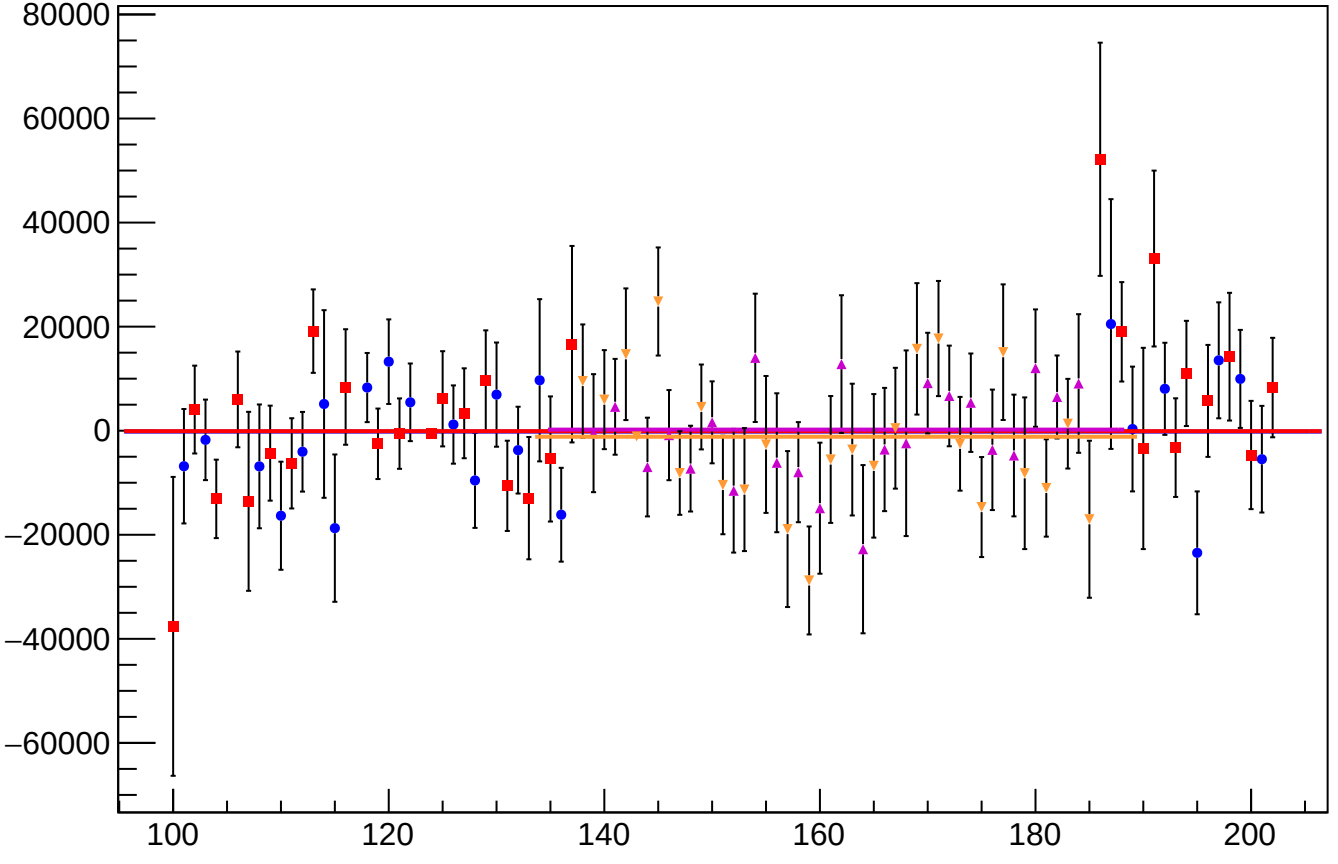
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2283.135+/-0.290 χ^2/NDF: 1555762.8/47

All: 2277.641+/-0.203 χ^2/NDF: 2730875.7/99

- sign 2272.412+/-0.283 χ^2/NDF: 1174414.1/51

asym_atl2_reg_correction_mean vs Slug



Right In: -167.085+/-1999.661 χ^2/NDF: 23.9/22

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -90.839+/-751.721 χ^2/NDF: 36.0/28

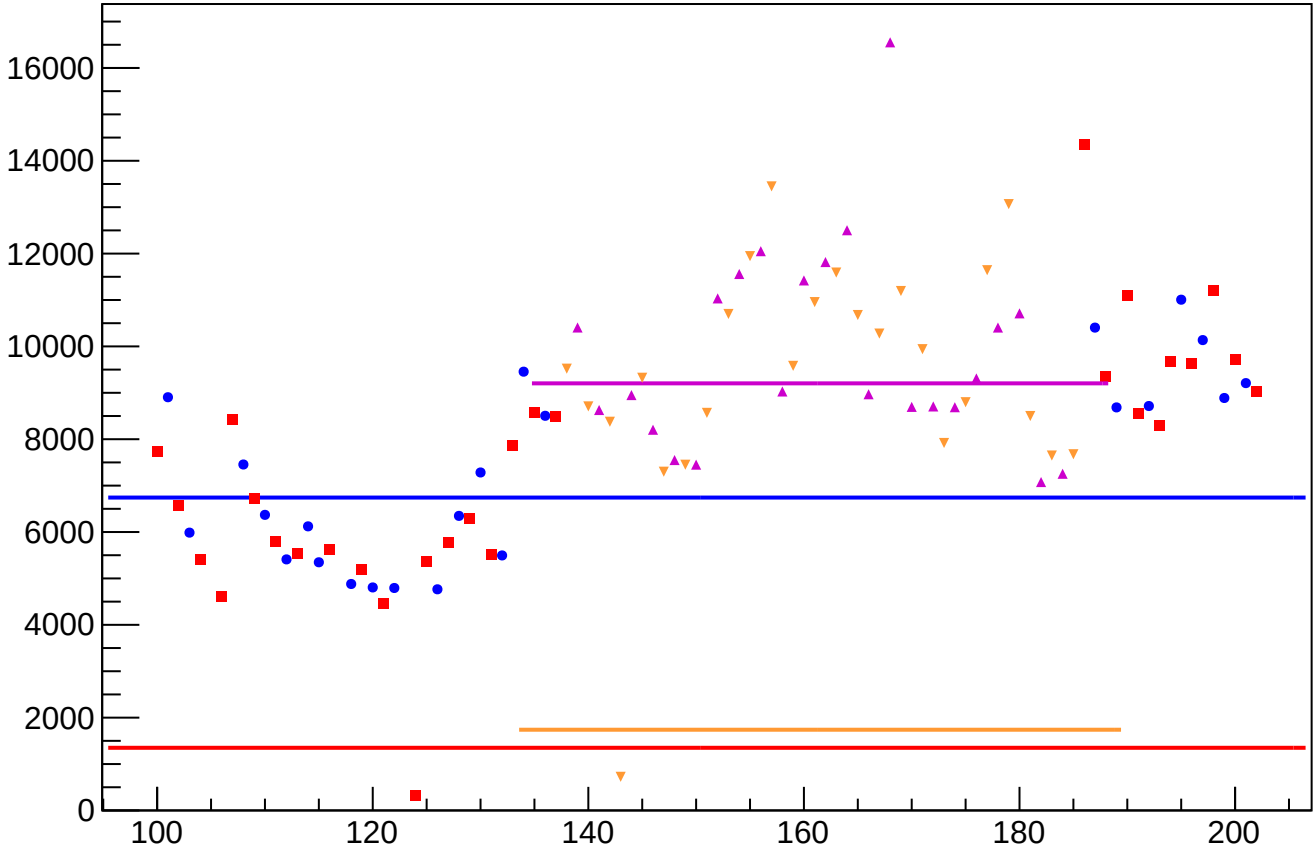
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1033.750+/-708.620 χ^2/NDF: 56.0/47

All: -548.276+/-501.971 χ^2/NDF: 106.4/99

- sign -59.296+/-711.174 χ^2/NDF: 49.4/51

asym_atl2_reg_correction_rms vs Slug



Right In: 6742.771+/-1.414 χ^2/NDF: 1789099.8/22

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1350.349+/-0.532 χ^2/NDF: 22306872.4/28

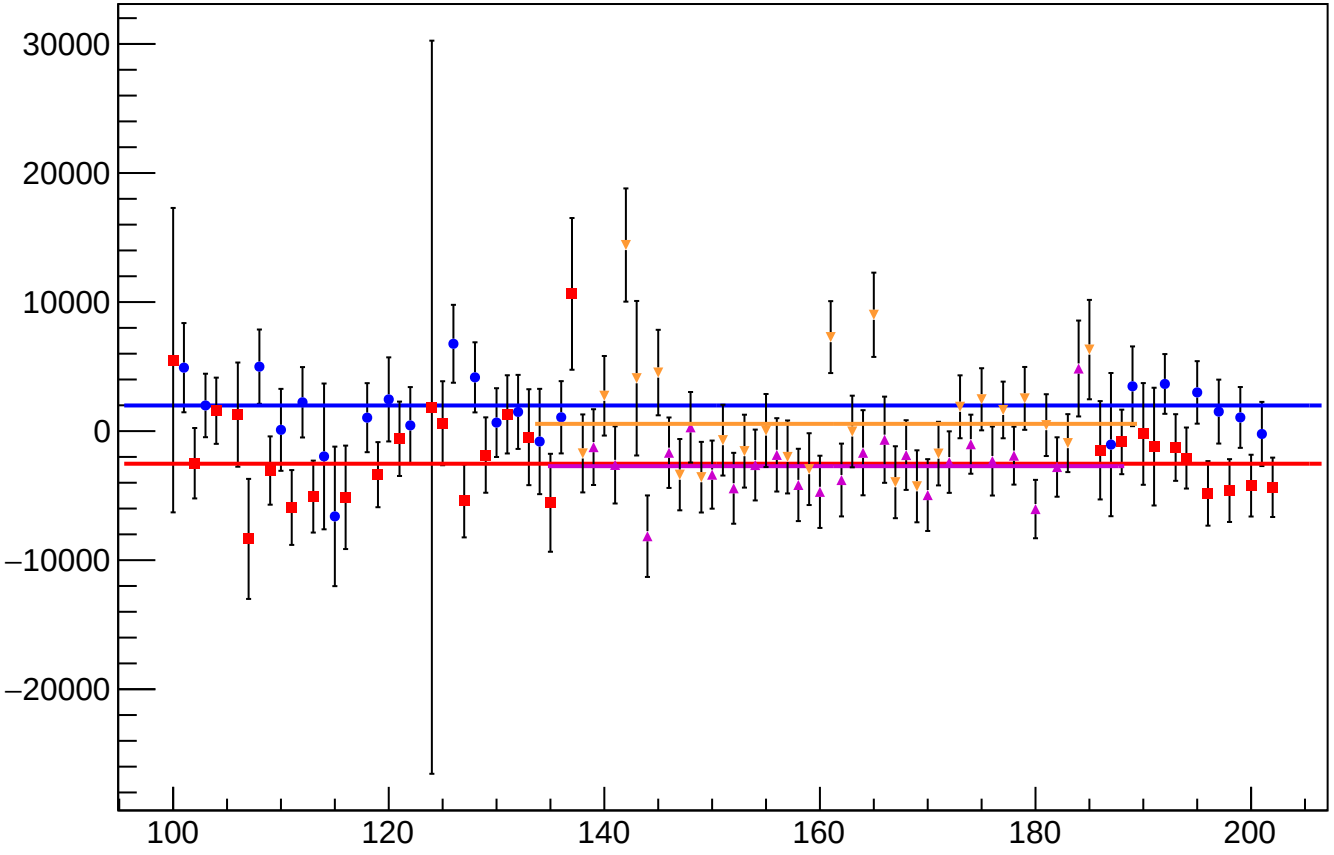
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2367.969+/-0.501 χ^2/NDF: 40470600.4/47

All: 2271.688+/-0.355 χ^2/NDF: 87037212.3/9

- sign 2174.711+/-0.503 χ^2/NDF: 46492500.4/51

cor_asym_atl2_mean vs Slug



Right In: 1987.279+/-607.383 χ^2/NDF: 11.8/22

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2526.907+/-566.921 χ^2/NDF: 22.2/28

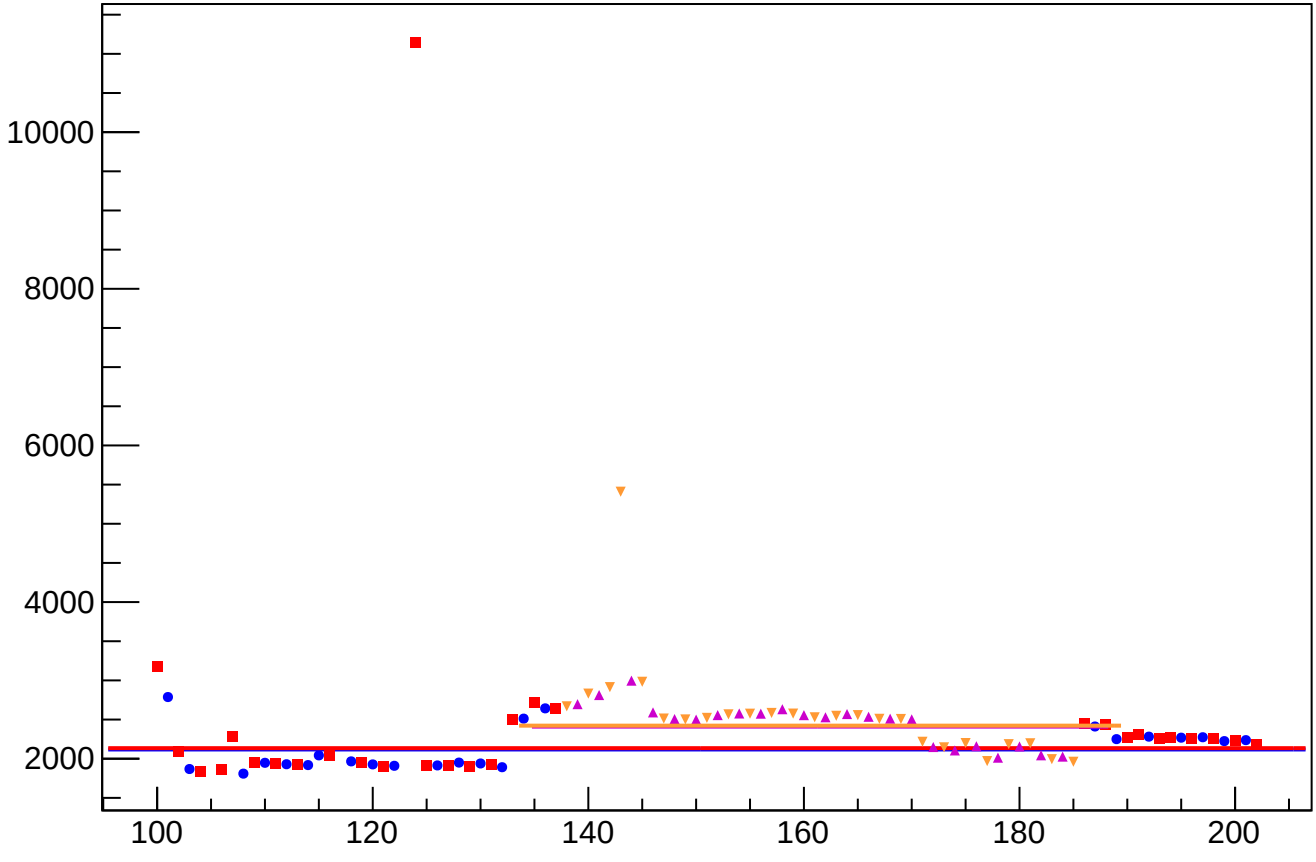
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1213.697+/-410.643 χ^2/NDF: 58.7/47

All: -751.363+/-286.759 χ^2/NDF: 140.0/99

- sign -2621.655+/-400.619 χ^2/NDF: 36.6/51

cor_asym_atl2_rms vs Slug



Right In: 2118.018+/-0.429 χ^2/NDF: 330660.6/22

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2134.670+/-0.401 χ^2/NDF: 510164.6/28

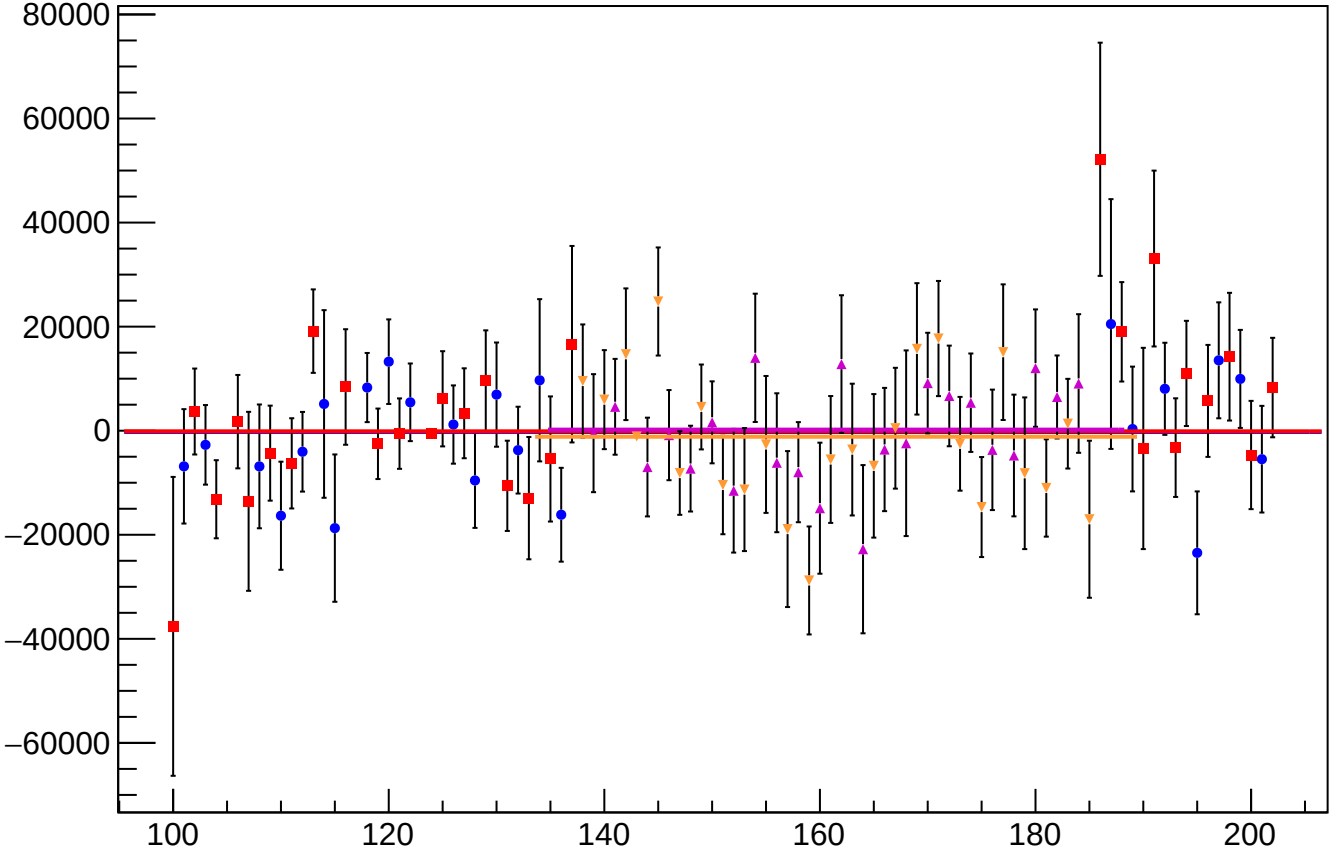
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2283.135+/-0.290 χ^2/NDF: 1555762.9/47

All: 2277.645+/-0.203 χ^2/NDF: 2730844.3/99

- sign 2272.419+/-0.283 χ^2/NDF: 1174383.6/51

asym_atl2_cor_correction_mean vs Slug



Right In: -235.736+/-1998.071 χ^2/NDF: 24.0/22

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -123.071+/-751.403 χ^2/NDF: 35.6/28

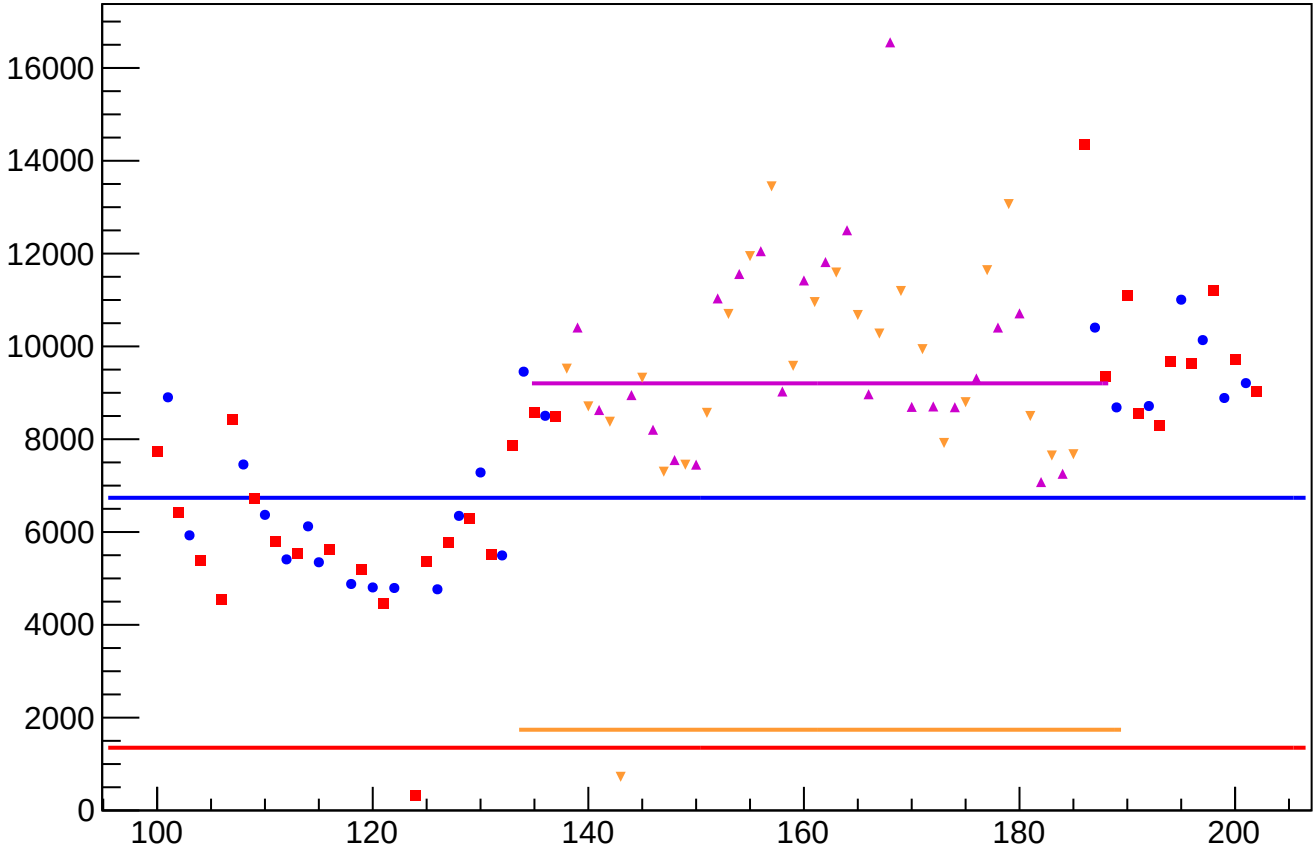
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1042.017+/-708.496 χ^2/NDF: 56.1/47

All: -566.721+/-501.832 χ^2/NDF: 106.0/99

- sign -88.188+/-710.905 χ^2/NDF: 49.0/51

asym_atl2_cor_correction_rms vs Slug



Right In: 6737.549+/-1.413 χ^2/NDF: 1792574.9/22

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1351.693+/-0.531 χ^2/NDF: 22299135.0/28

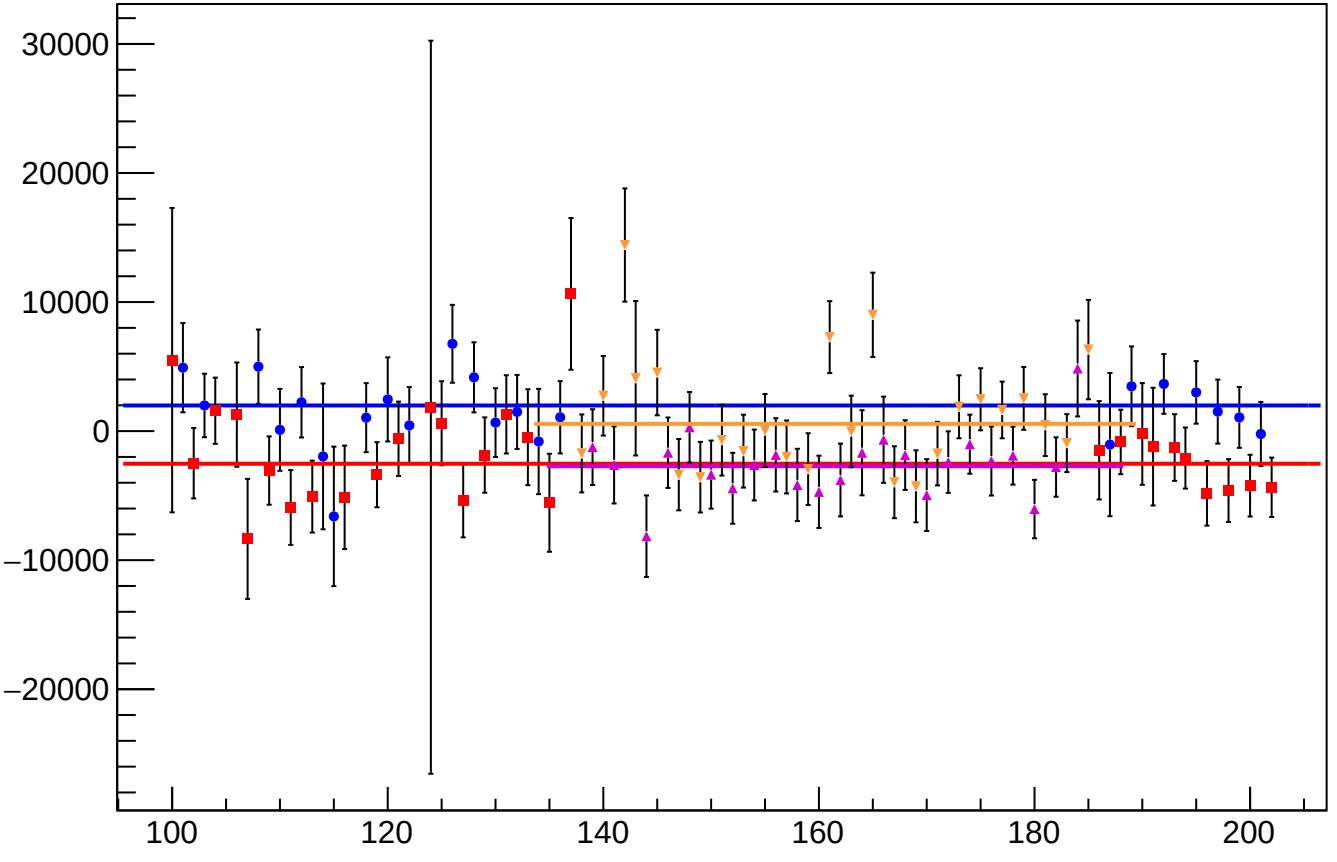
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2367.889+/-0.501 χ^2/NDF: 40468747.1/47

All: 2271.916+/-0.355 χ^2/NDF: 87021333.4/9

- sign 2175.290+/-0.503 χ^2/NDF: 46478939.5/51

eigen_cor_asym_atl2_mean vs Slug



Right In: 1987.279+/-607.383 χ^2/NDF: 11.8/22

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2526.907+/-566.921 χ^2/NDF: 22.2/28

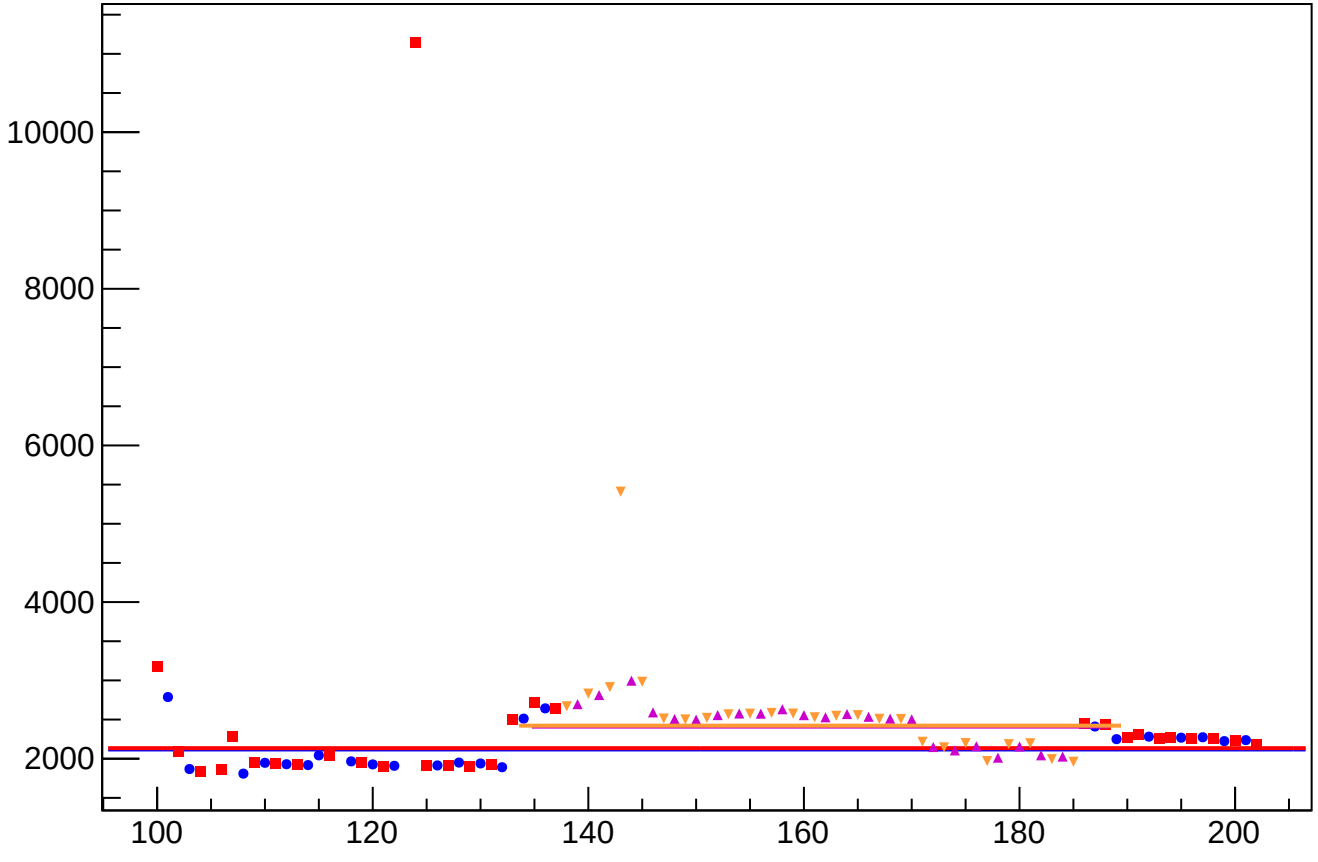
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1213.697+/-410.643 χ^2/NDF: 58.7/47

All: -751.363+/-286.759 χ^2/NDF: 140.0/99

- sign -2621.655+/-400.619 χ^2/NDF: 36.6/51

eigen_cor_asym_atl2_rms vs Slug



Right In: 2118.018+/-0.429 χ^2/NDF: 330660.6/22

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2134.670+/-0.401 χ^2/NDF: 510164.6/28

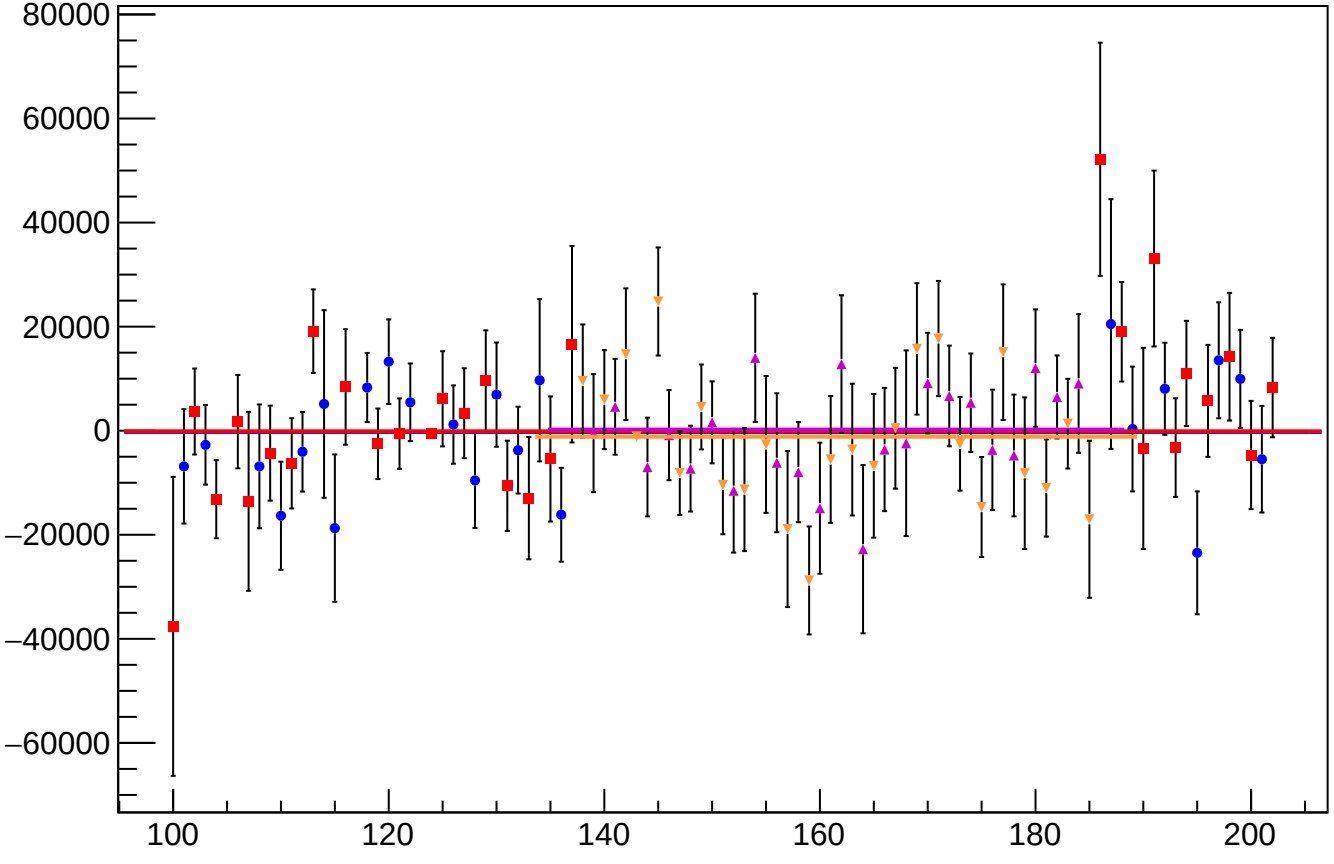
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2283.135+/-0.290 χ^2/NDF: 1555762.9/47

All: 2277.645+/-0.203 χ^2/NDF: 2730844.3/99

- sign 2272.419+/-0.283 χ^2/NDF: 1174383.6/51

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -235.736+/-1998.071 χ^2/NDF: 24.0/22

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -123.071+/-751.403 χ^2/NDF: 35.6/28

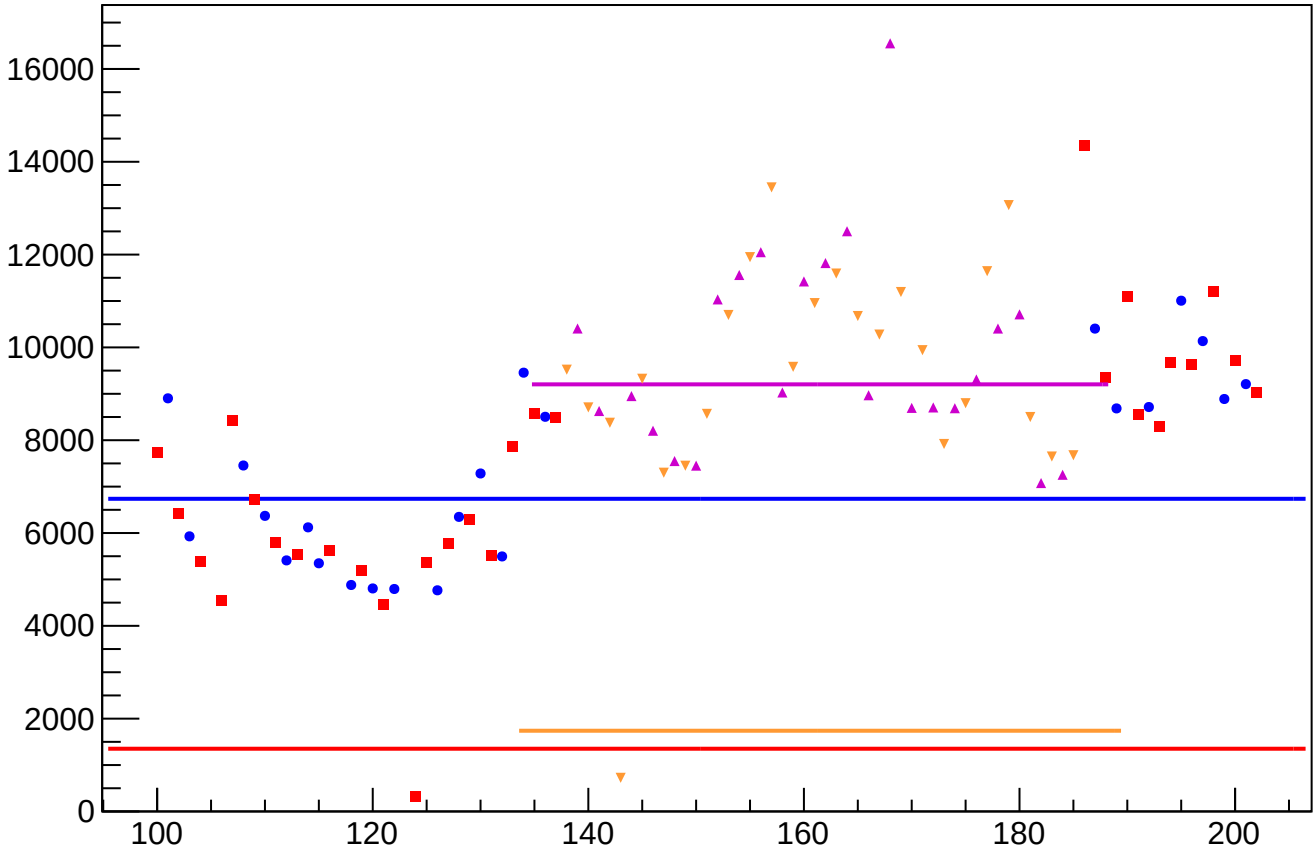
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1042.017+/-708.496 χ^2/NDF: 56.1/47

All: -566.721+/-501.832 χ^2/NDF: 106.0/99

- sign -88.188+/-710.905 χ^2/NDF: 49.0/51

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6737.549+/-1.413 χ^2/NDF: 1792574.9/22

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

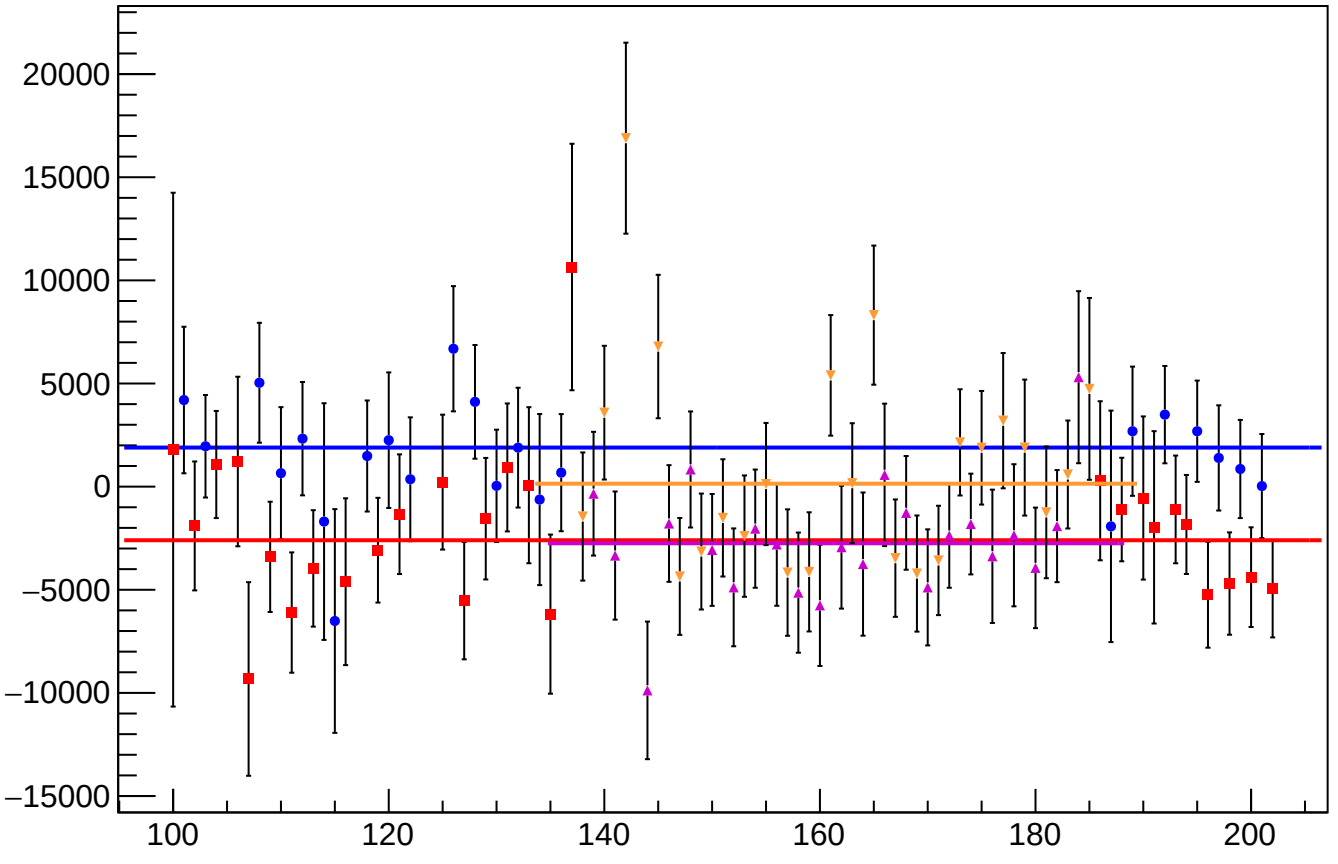
Right Out: 1351.693+/-0.531 χ^2/NDF: 22299135.0/28

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2367.889+/-0.501 χ^2/NDF: 40468747.1/47

All: 2271.916+/-0.355 χ^2/NDF: 87021333.4/9

- sign 2175.290+/-0.503 χ^2/NDF: 46478939.5/51



Right In: 1893.886+/-615.716 χ^2/NDF: 10.9/22

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2599.561+/-577.176 χ^2/NDF: 21.8/27

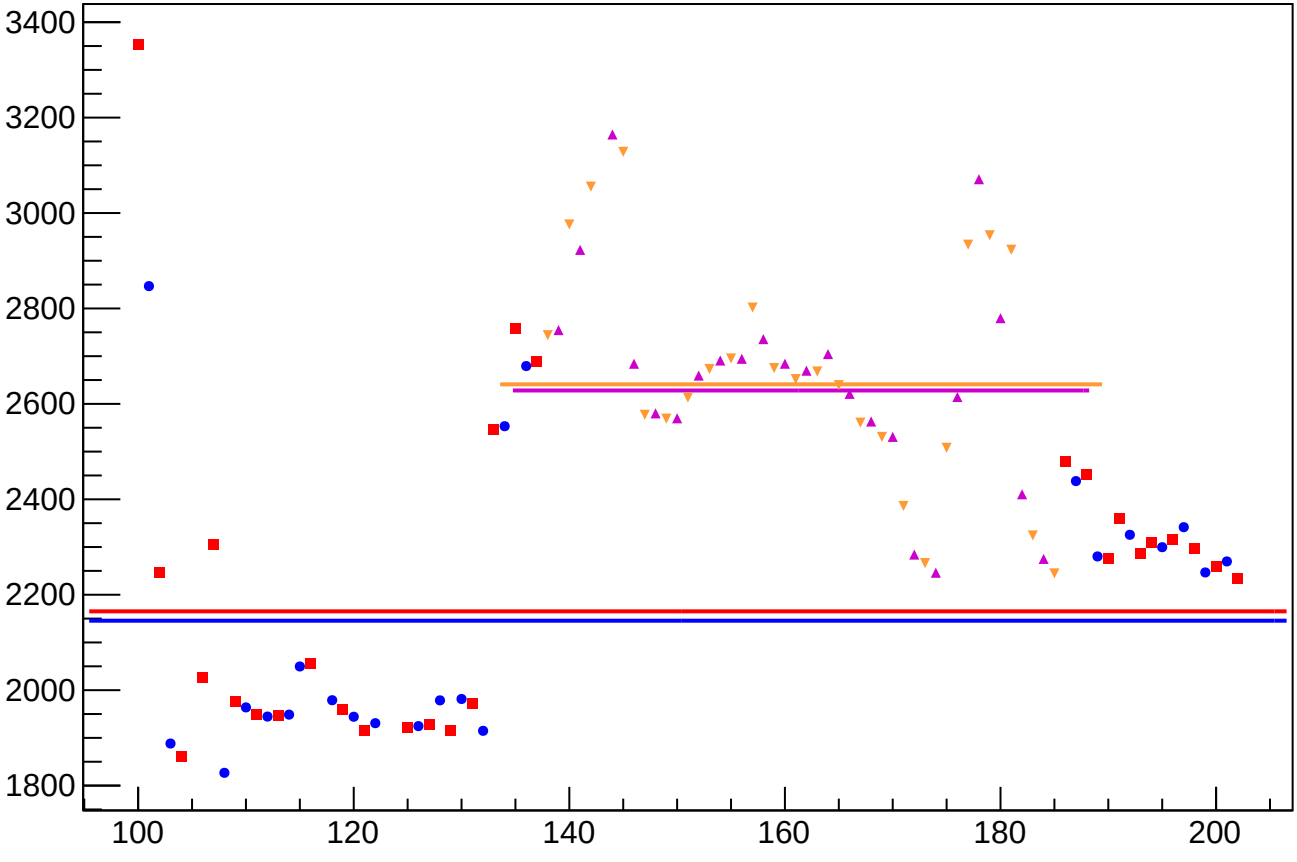
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1018.212+/-435.382 χ^2/NDF: 60.7/46

All: -885.816+/-302.731 χ^2/NDF: 135.0/97

- sign -2667.998+/-421.221 χ^2/NDF: 37.2/50

dit_asym_atl2_rms vs Slug



Right In: 2145.602+/-0.435 χ^2/NDF: 345742.1/22

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2165.234+/-0.408 χ^2/NDF: 316892.4/27

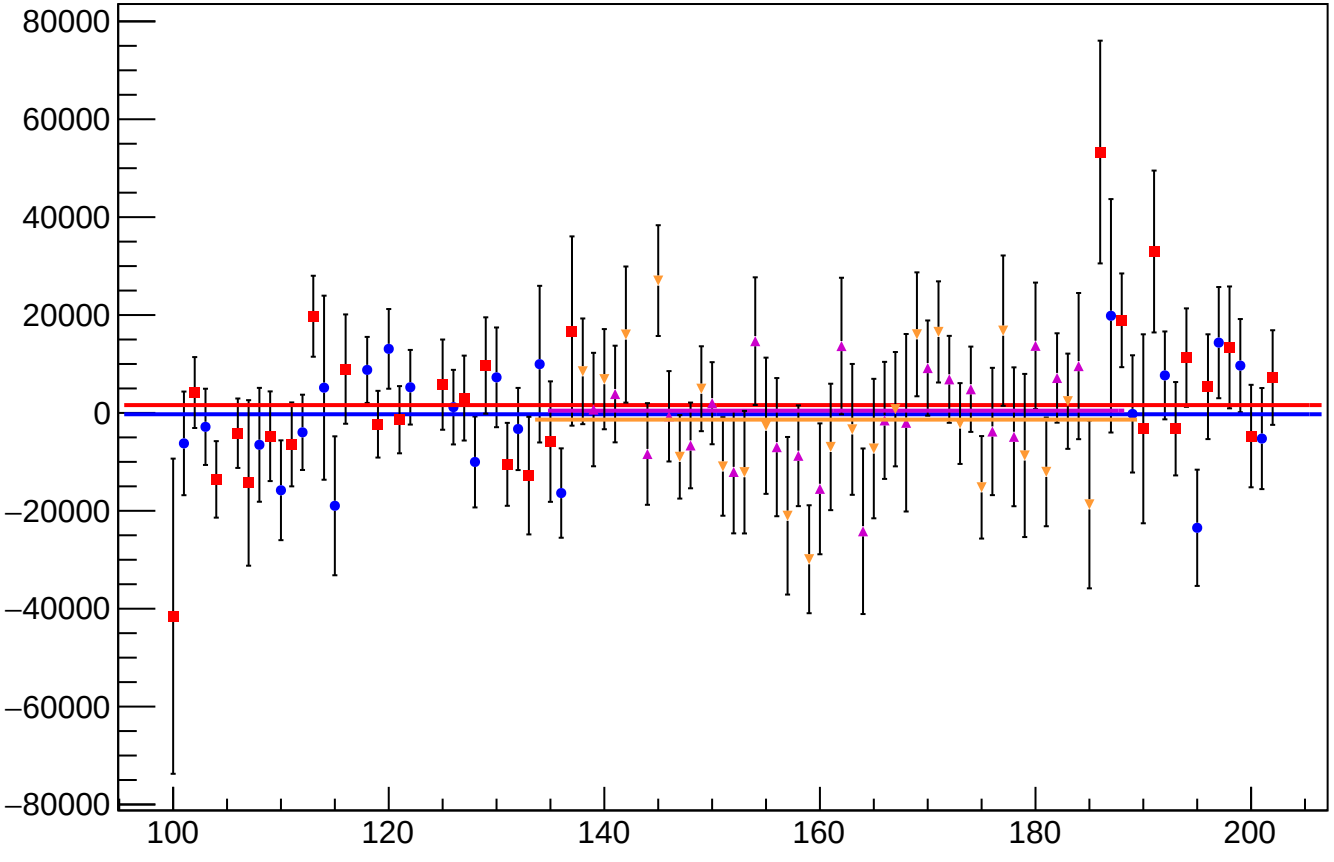
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2393.290+/-0.308 χ^2/NDF: 1246466.8/46

All: 2387.139+/-0.214 χ^2/NDF: 2403338.1/97

- sign 2381.387+/-0.298 χ^2/NDF: 1156098.8/50

asym_atl2_dit_correction_mean vs Slug



Right In: -271.698+/-2014.915 χ^2/NDF: 23.7/22

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 1600.518+/-1853.082 χ^2/NDF: 34.7/27

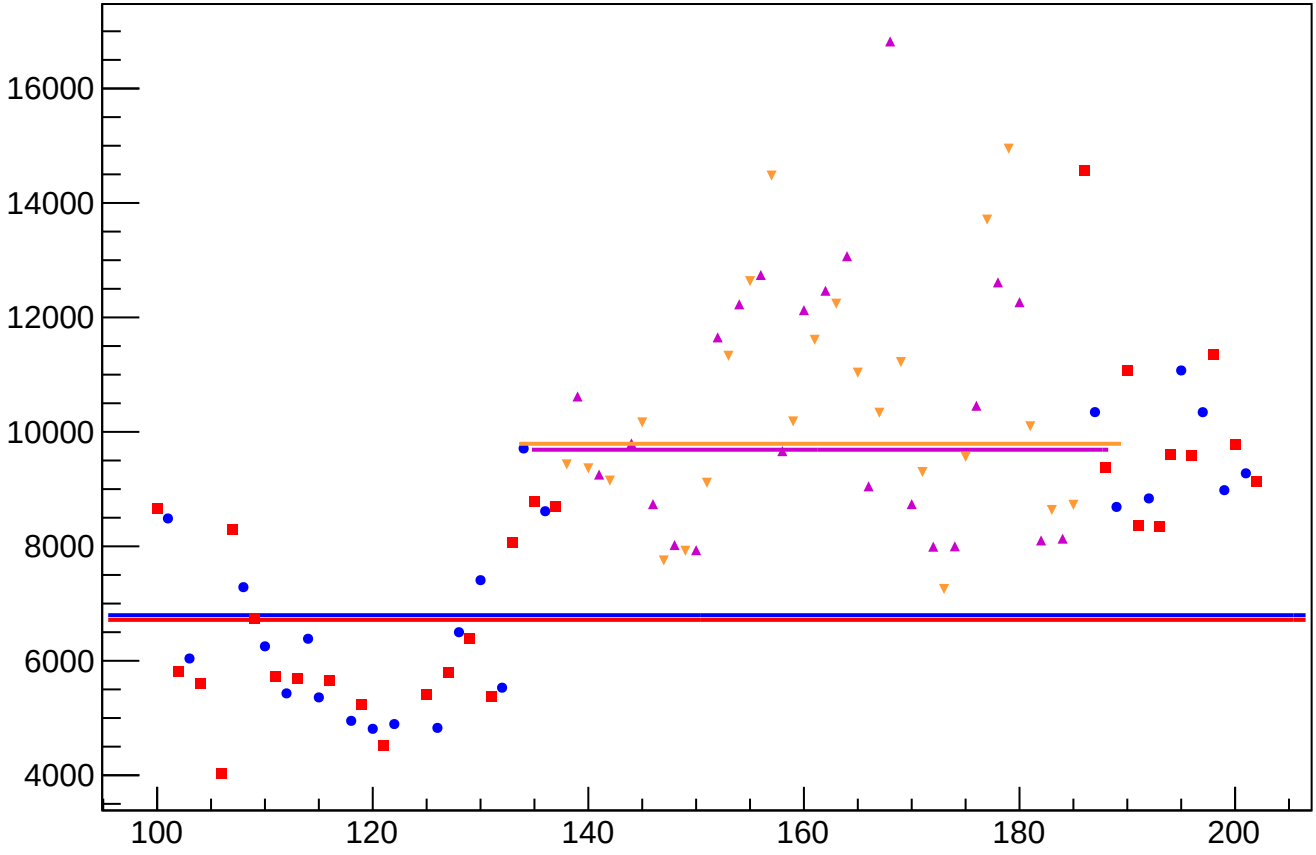
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -741.122+/-1523.039 χ^2/NDF: 55.1/46

All: 256.516+/-1048.866 χ^2/NDF: 103.9/97

- sign 1156.473+/-1446.557 χ^2/NDF: 48.0/50

asym_atl2_dit_correction_rms vs Slug



Right In: 6796.770+/-1.425 χ^2/NDF: 1763218.3/22

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6715.074+/-1.310 χ^2/NDF: 2428754.0/27

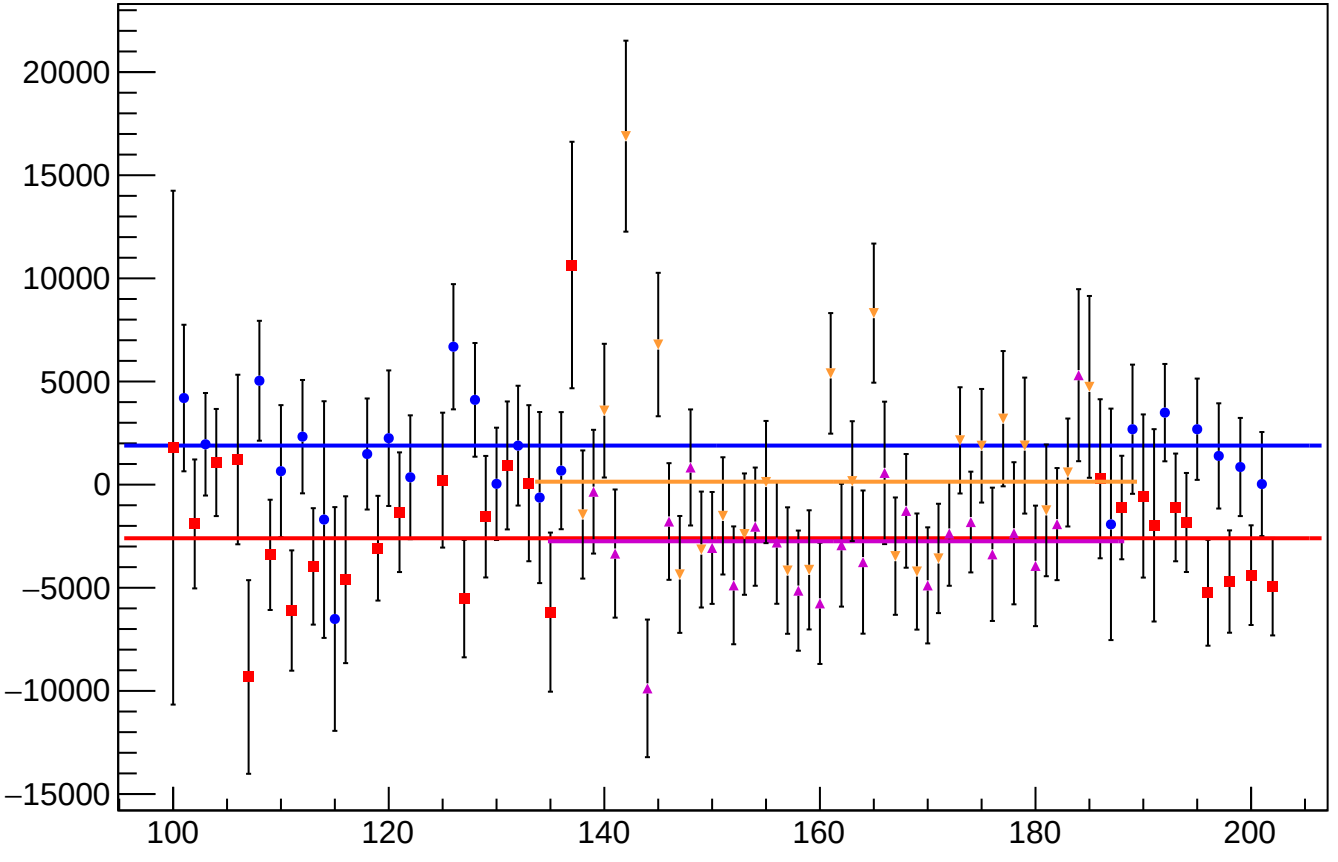
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8080.751+/-1.077 χ^2/NDF: 4876975.2/46

All: 7973.345+/-0.742 χ^2/NDF: 10713884.8/9

- sign 7876.456+/-1.023 χ^2/NDF: 5817990.9/50

eigen_dit_asym_atl2_mean vs Slug



Right In: 1893.885+/-615.716 χ^2/NDF: 10.9/22

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2599.563+/-577.176 χ^2/NDF: 21.8/27

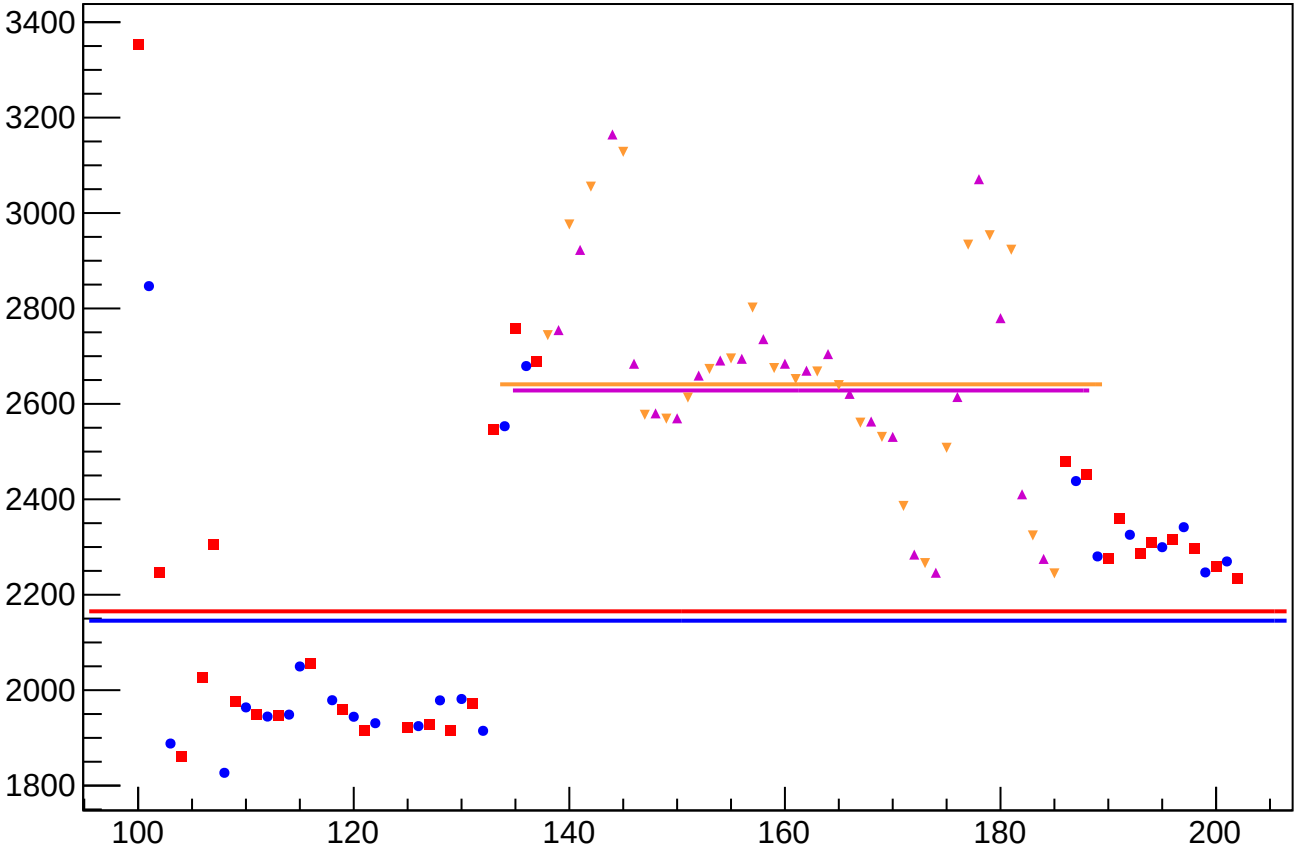
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1018.208+/-435.382 χ^2/NDF: 60.7/46

All: -885.818+/-302.731 χ^2/NDF: 135.0/97

- sign -2667.998+/-421.221 χ^2/NDF: 37.2/50

eigen_dit_asym_atl2_rms vs Slug



Right In: 2145.602+/-0.435 χ^2/NDF: 345742.2/22

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2165.234+/-0.408 χ^2/NDF: 316892.8/27

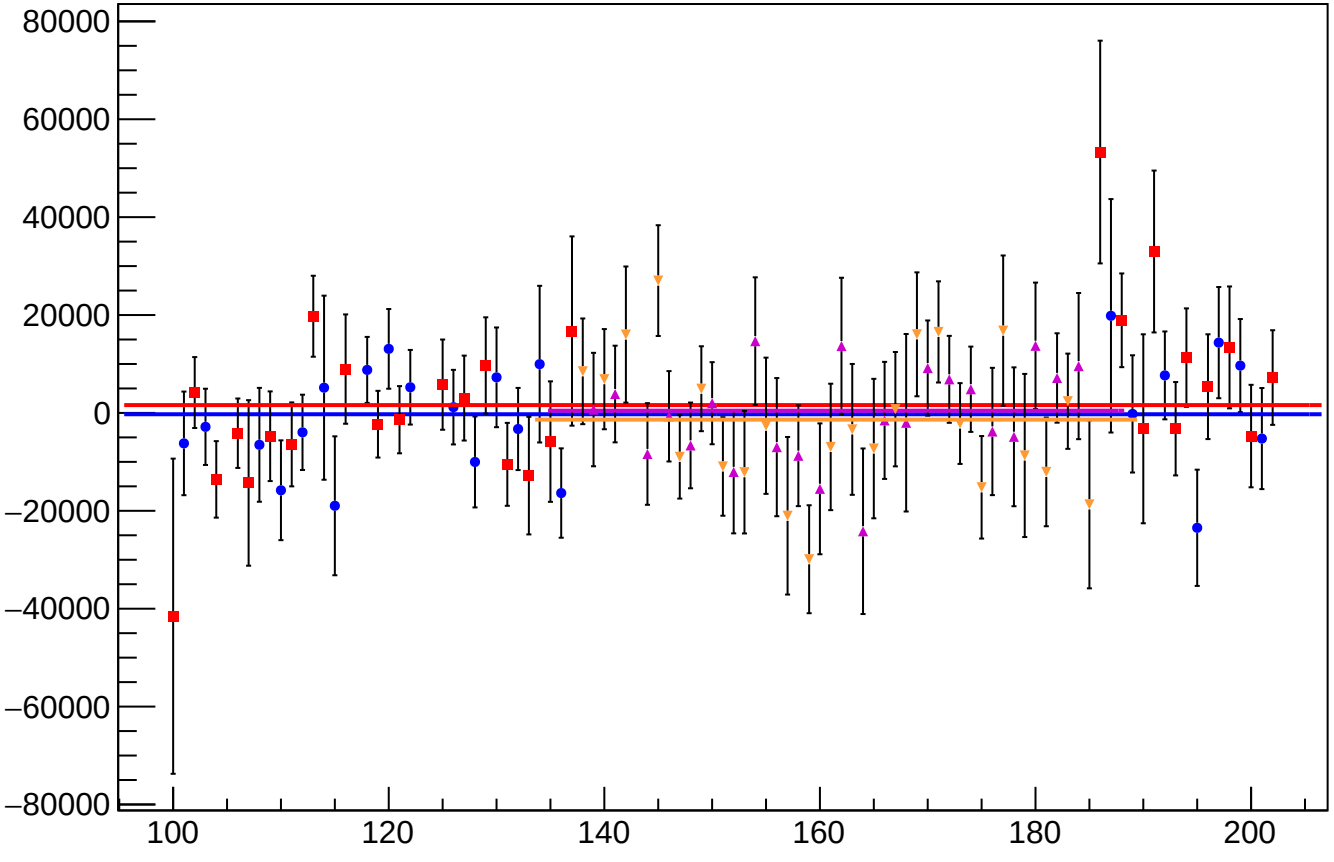
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2393.291+/-0.308 χ^2/NDF: 1246481.3/46

All: 2387.140+/-0.214 χ^2/NDF: 2403367.3/97

- sign 2381.388+/-0.298 χ^2/NDF: 1156113.5/50

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -271.691+/-2014.911 χ^2/NDF: 23.7/22

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 1600.506+/-1853.079 χ^2/NDF: 34.7/27

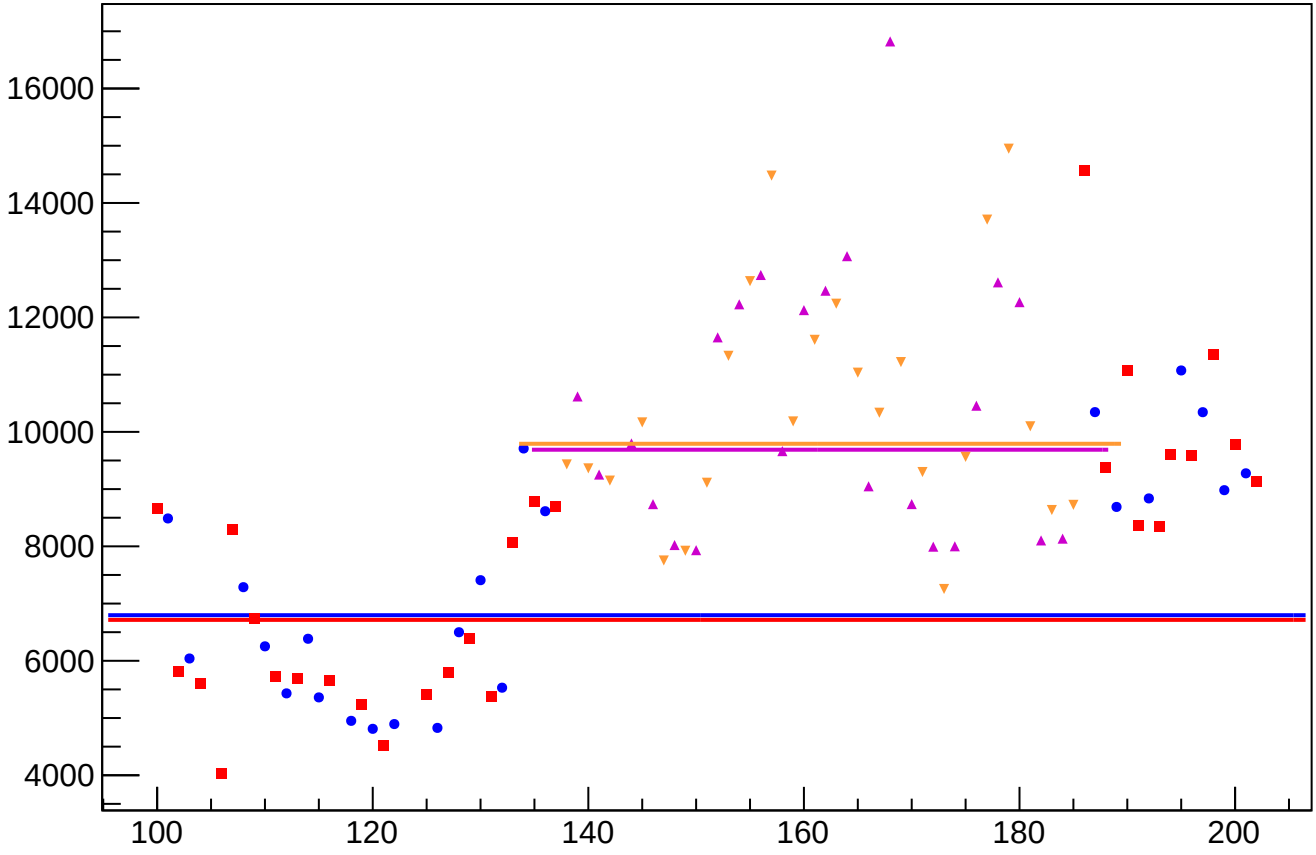
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -741.120+/-1523.038 χ^2/NDF: 55.1/46

All: 256.514+/-1048.866 χ^2/NDF: 103.9/97

- sign 1156.468+/-1446.556 χ^2/NDF: 48.0/50

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6796.752+/-1.425 χ^2/NDF: 1763245.3/22

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

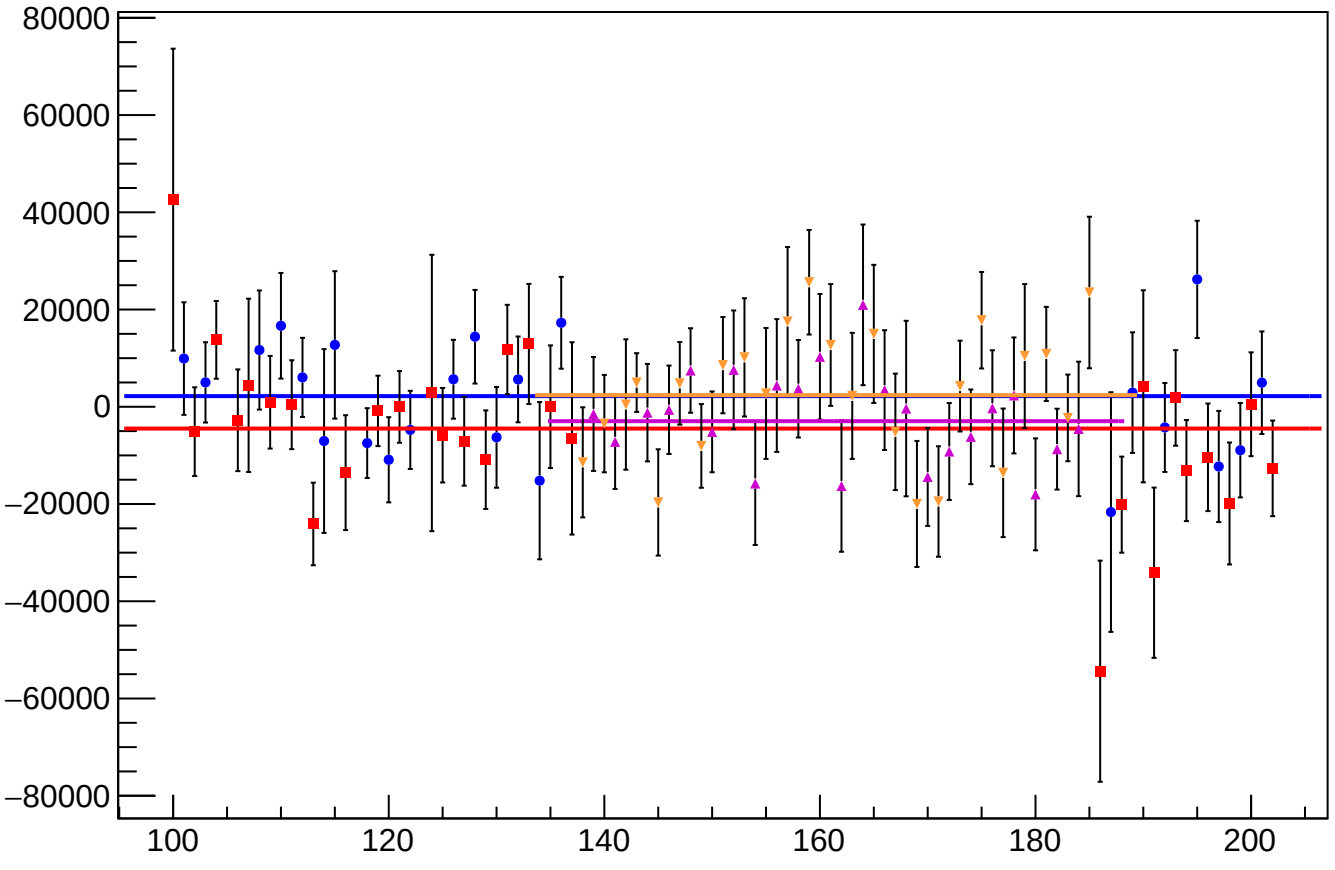
Right Out: 6715.059+/-1.310 χ^2/NDF: 2428780.0/27

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8080.742+/-1.077 χ^2/NDF: 4877046.3/46

All: 7973.337+/-0.742 χ^2/NDF: 10714024.1/9

- sign 7876.448+/-1.023 χ^2/NDF: 5818059.2/50



Right In: 2190.675+/-2108.848 χ^2/NDF: 23.4/22

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

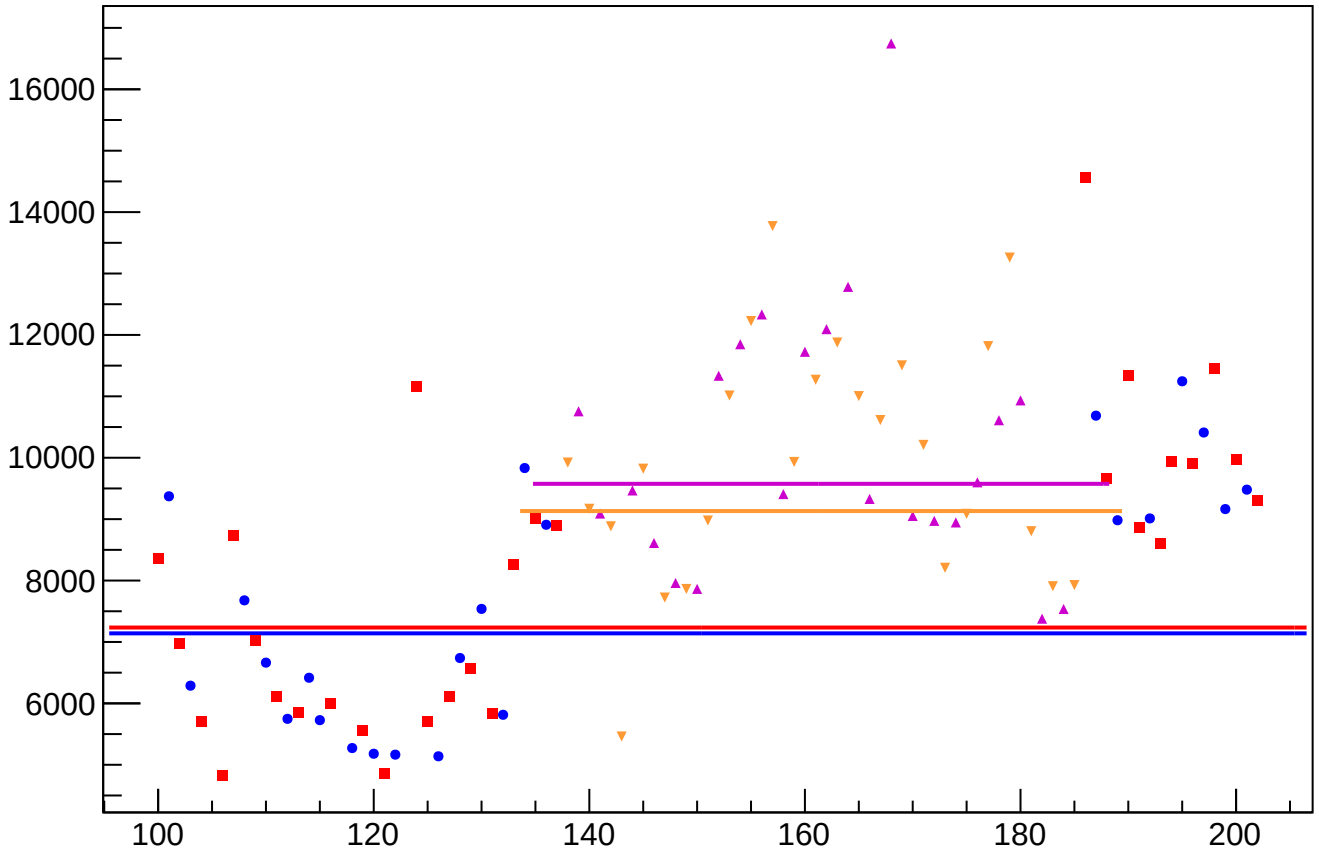
Right Out: -4477.138+/-1982.112 χ^2/NDF: 35.0/28

Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2287.980+/-1500.872 χ^2/NDF: 53.1/47

All: -779.456+/-1059.398 χ^2/NDF: 109.6/99

- sign -3825.263+/-1495.571 χ^2/NDF: 48.2/51



Right In: 7140.176+/-1.491 χ^2/NDF: 1587586.8/22

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7235.014+/-1.402 χ^2/NDF: 2028778.4/28

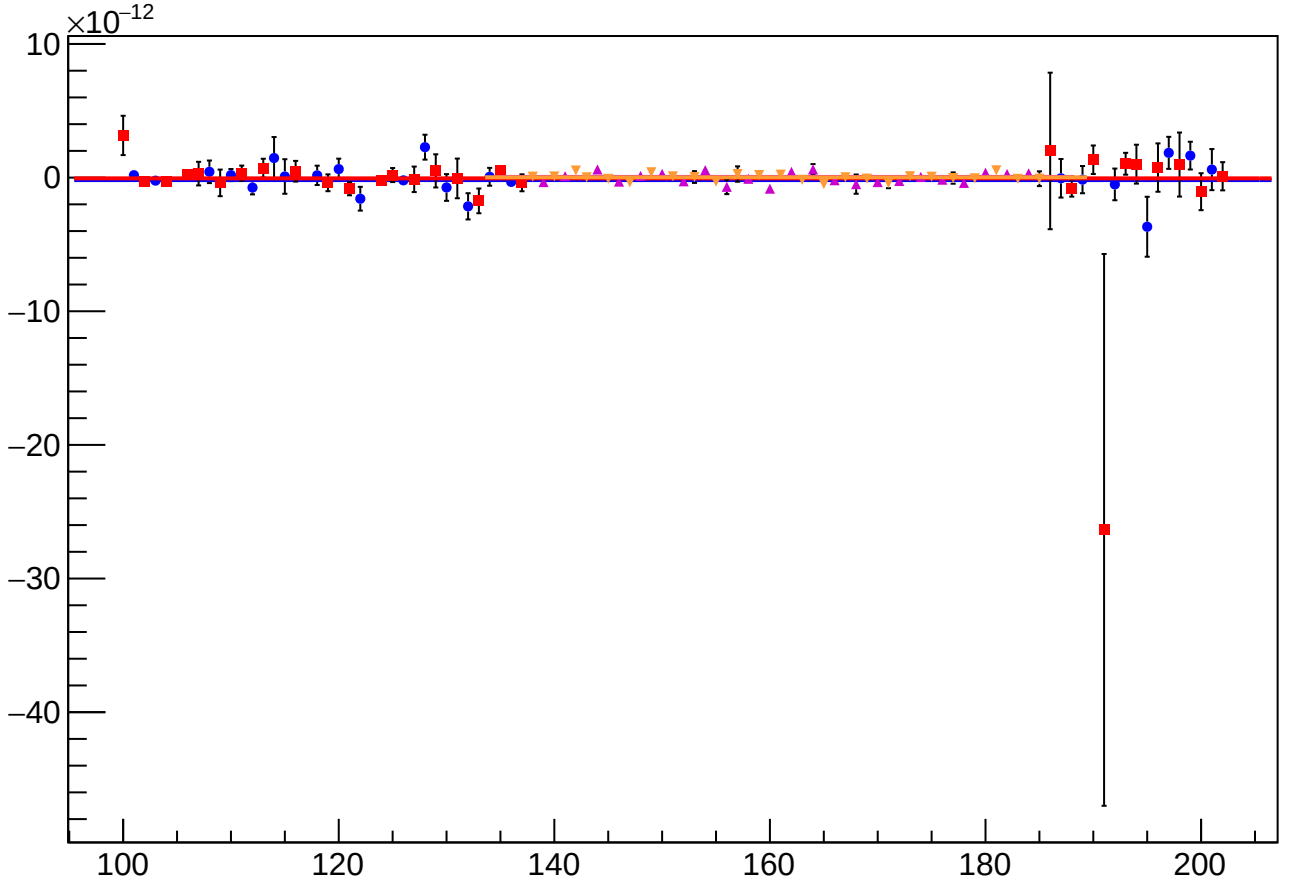
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8122.959+/-1.061 χ^2/NDF: 4279458.4/47

All: 8183.138+/-0.749 χ^2/NDF: 8669163.8/99

- sign 8242.894+/-1.058 χ^2/NDF: 4383297.2/51

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

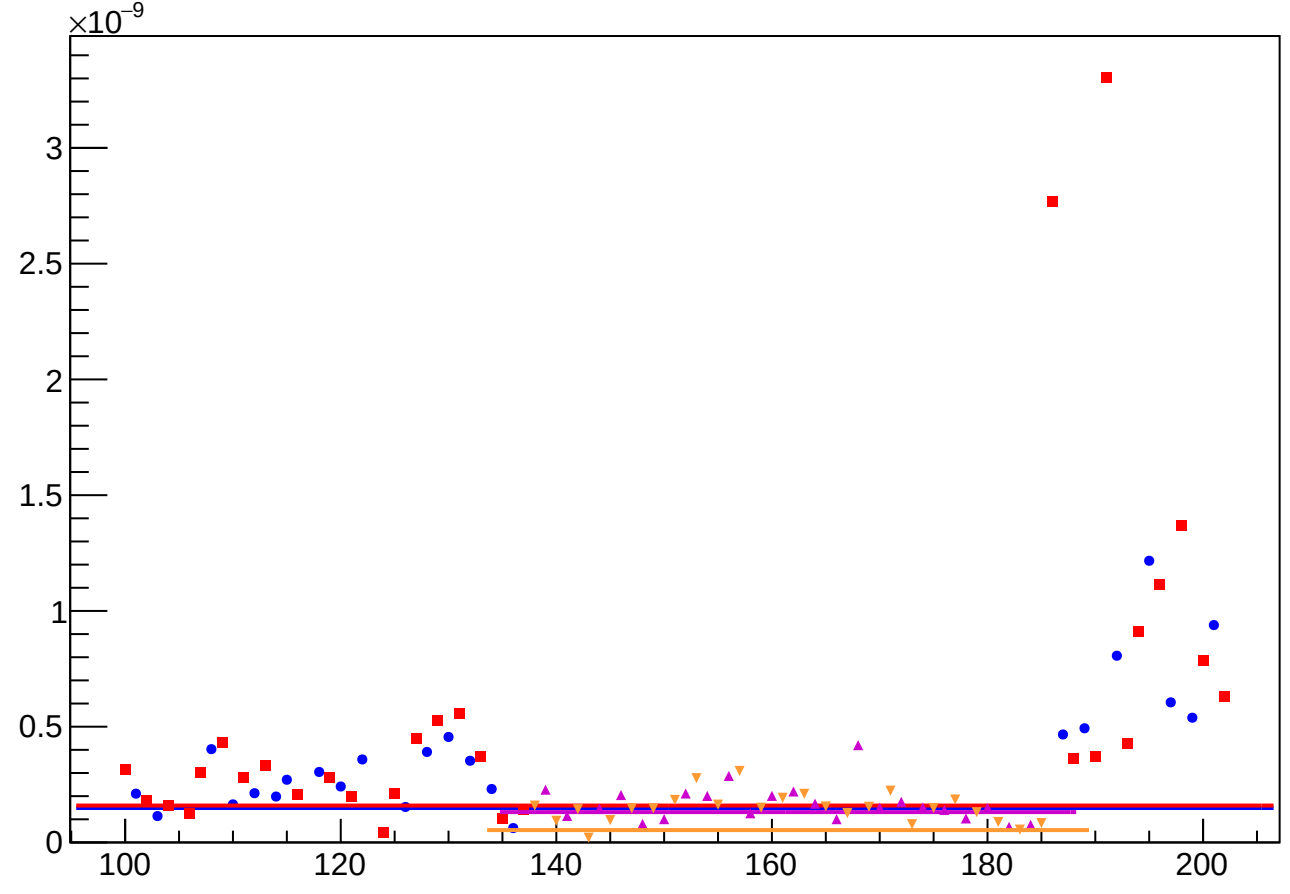
Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/28

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.2/47

All: 0.000+/-0.000 χ^2/NDF: 118.9/99

- sign 0.000+/-0.000 χ^2/NDF: 66.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 4300393.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5801396.7/28

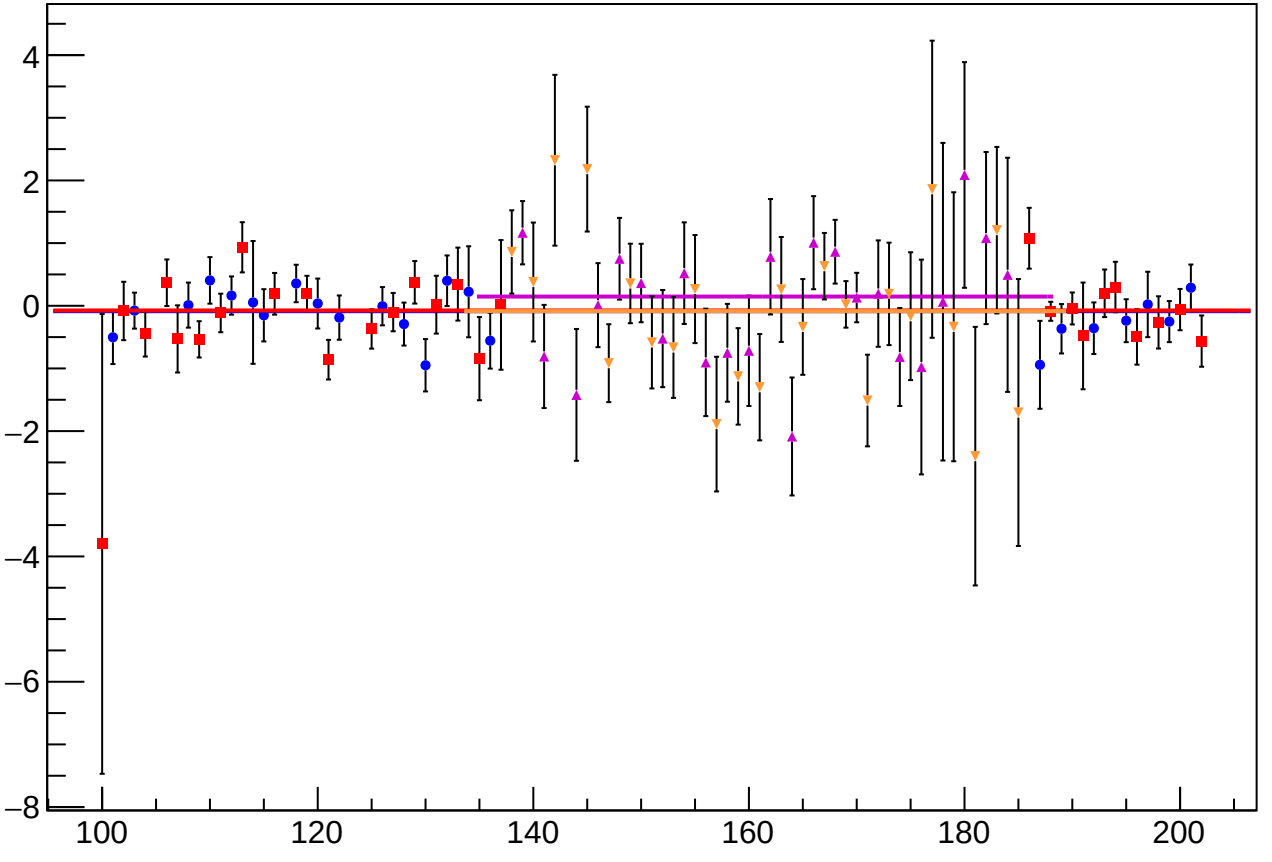
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13437292.2/47

All: 0.000+/-0.000 χ^2/NDF: 25131437.3/99

- sign 0.000+/-0.000 χ^2/NDF: 7843854.3/51

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.087+/-0.080 χ^2/NDF: 17.2/22

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.075+/-0.066 χ^2/NDF: 35.1/27

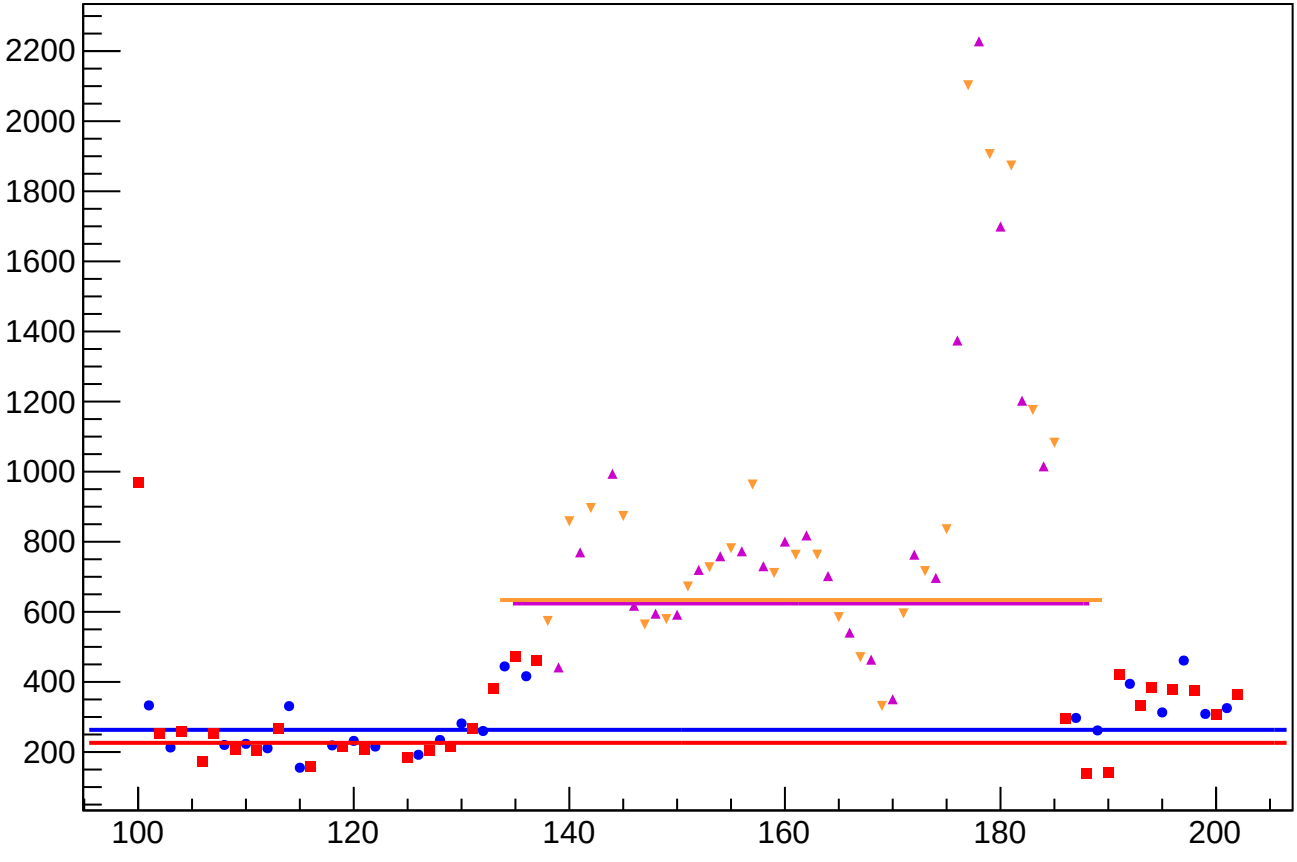
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.086+/-0.072 χ^2/NDF: 47.5/46

All: -0.061+/-0.047 χ^2/NDF: 111.0/97

- sign -0.042+/-0.061 χ^2/NDF: 63.3/50

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 263.299+/-0.056 χ^2/NDF: 1582382.7/22

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 226.197+/-0.047 χ^2/NDF: 3205006.6/27

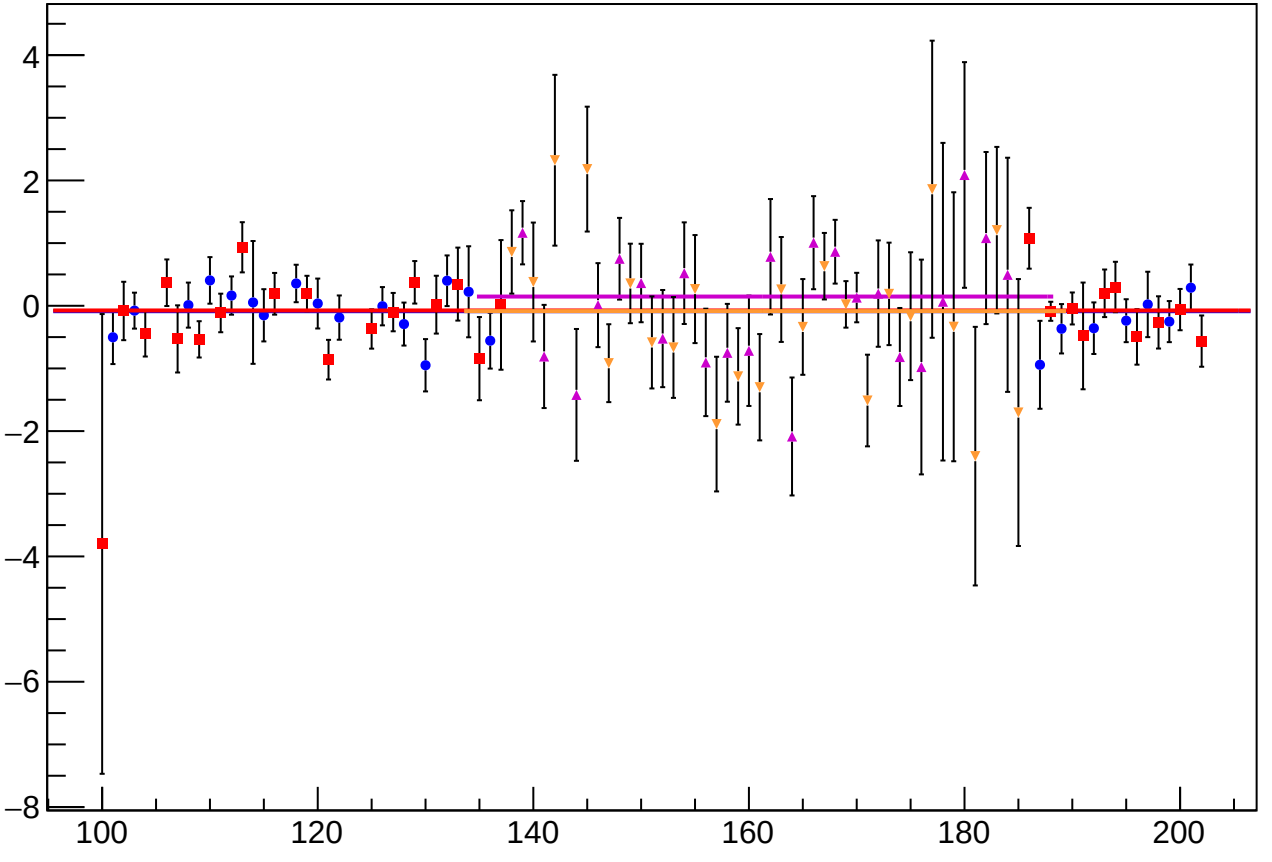
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.107+/-0.051 χ^2/NDF: 15034749.7/46

All: 307.039+/-0.033 χ^2/NDF: 34098273.5/97

- sign 285.766+/-0.043 χ^2/NDF: 18492250.1/50

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.087+/-0.080 χ^2/NDF: 17.2/22

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.075+/-0.066 χ^2/NDF: 35.1/27

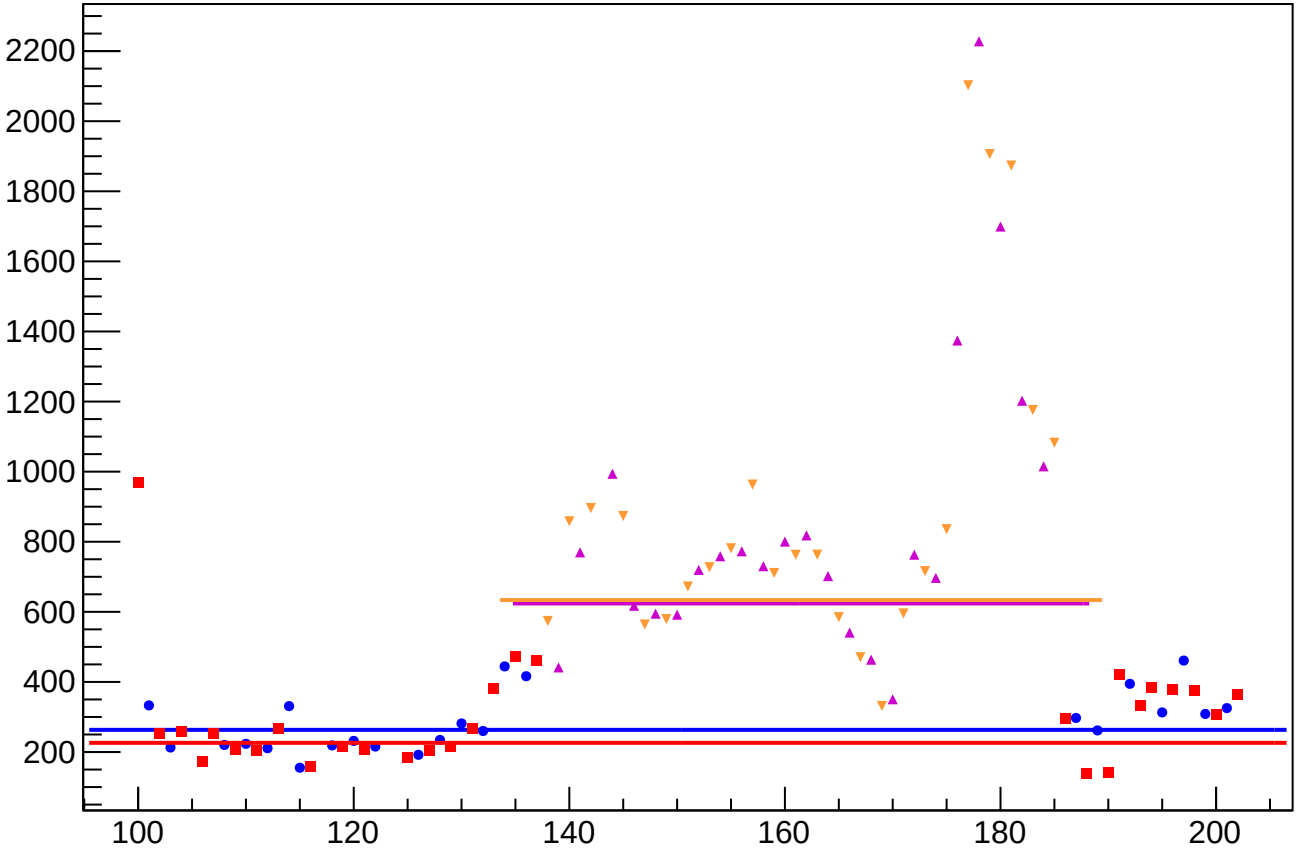
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.086+/-0.072 χ^2/NDF: 47.5/46

All: -0.061+/-0.047 χ^2/NDF: 111.0/97

- sign -0.042+/-0.061 χ^2/NDF: 63.3/50

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 263.299+/-0.056 χ^2/NDF: 1582382.7/22

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

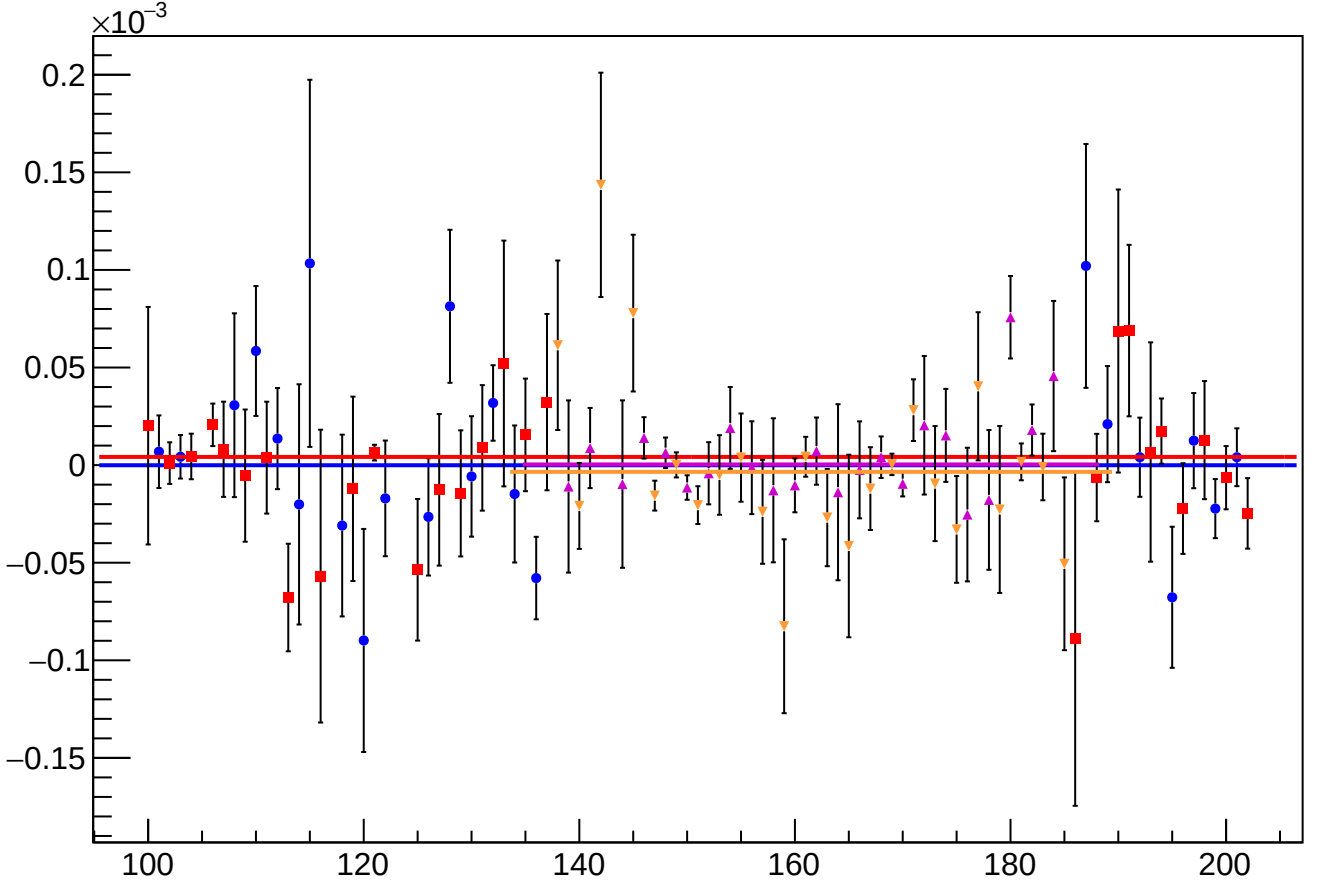
Right Out: 226.197+/-0.047 χ^2/NDF: 3205006.6/27

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.107+/-0.051 χ^2/NDF: 15034749.7/46

All: 307.039+/-0.033 χ^2/NDF: 34098273.5/97

- sign 285.766+/-0.043 χ^2/NDF: 18492250.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 33.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/27

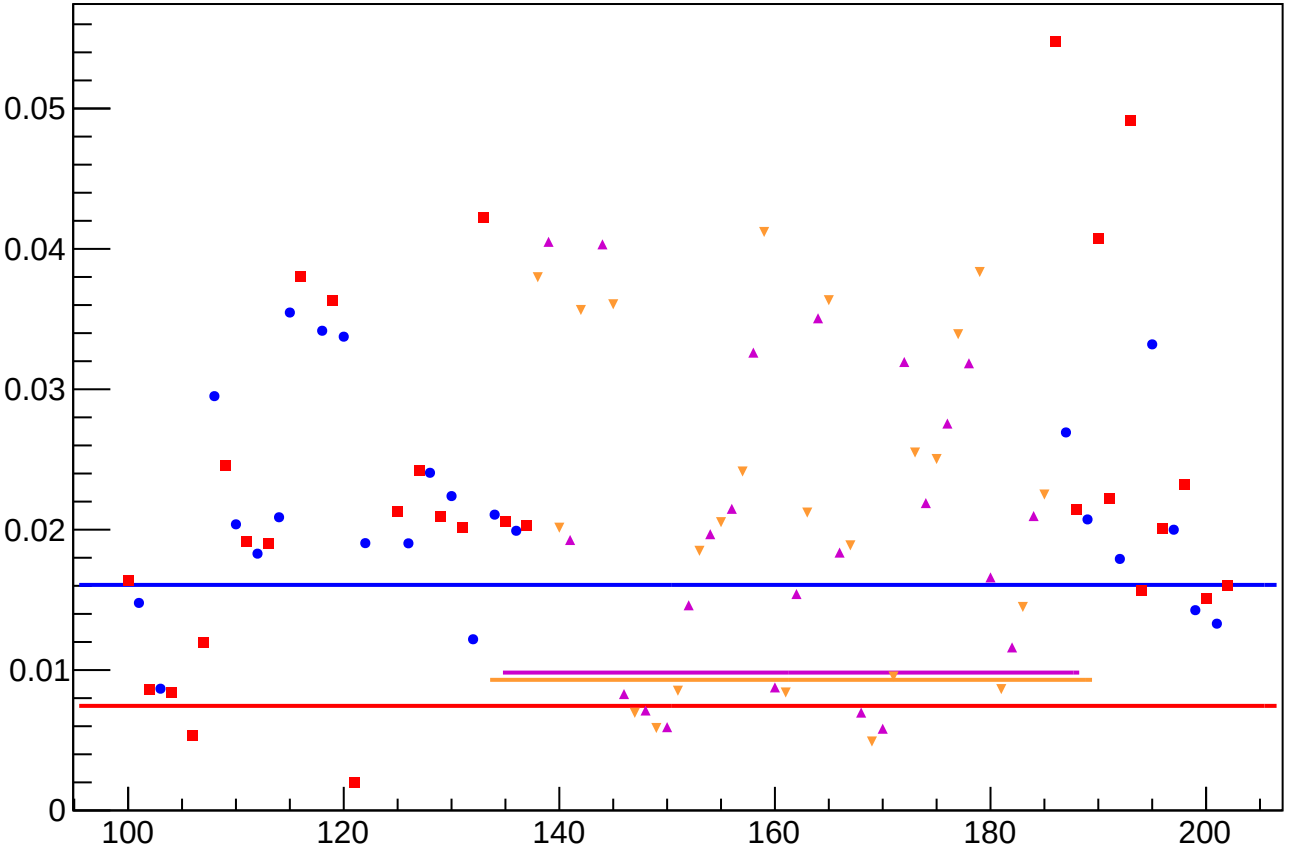
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.0/46

All: 0.000+/-0.000 χ^2/NDF: 123.1/97

- sign 0.000+/-0.000 χ^2/NDF: 52.8/50

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2811536.1/22

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 14329281.3/27

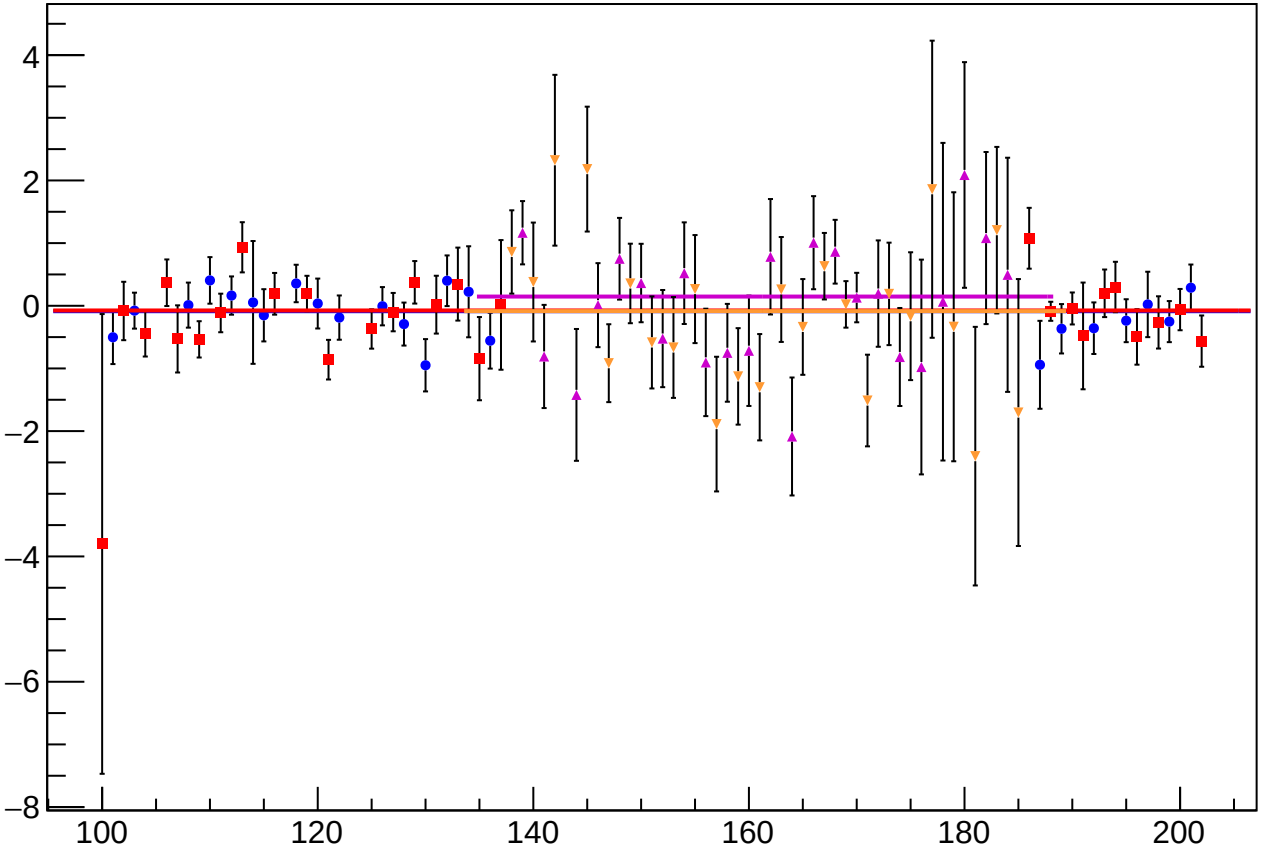
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 17831179.8/46

All: 0.010+/-0.000 χ^2/NDF: 44091509.1/97

- sign 0.009+/-0.000 χ^2/NDF: 25293029.3/50

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.087+/-0.080 χ^2/NDF: 17.2/22

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.075+/-0.066 χ^2/NDF: 35.1/27

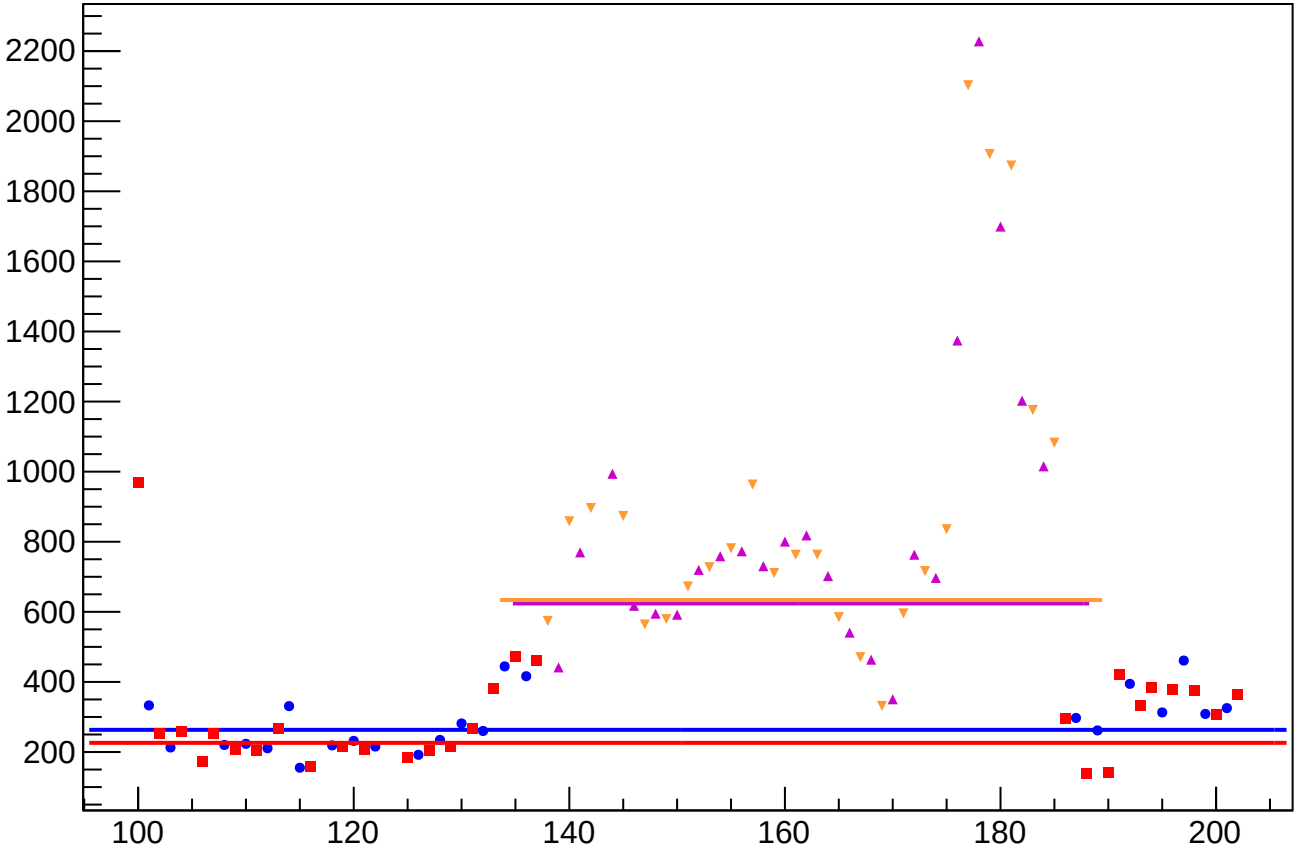
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.086+/-0.072 χ^2/NDF: 47.5/46

All: -0.061+/-0.047 χ^2/NDF: 111.0/97

- sign -0.042+/-0.061 χ^2/NDF: 63.3/50

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 263.300+/-0.056 χ^2/NDF: 1582341.2/22

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

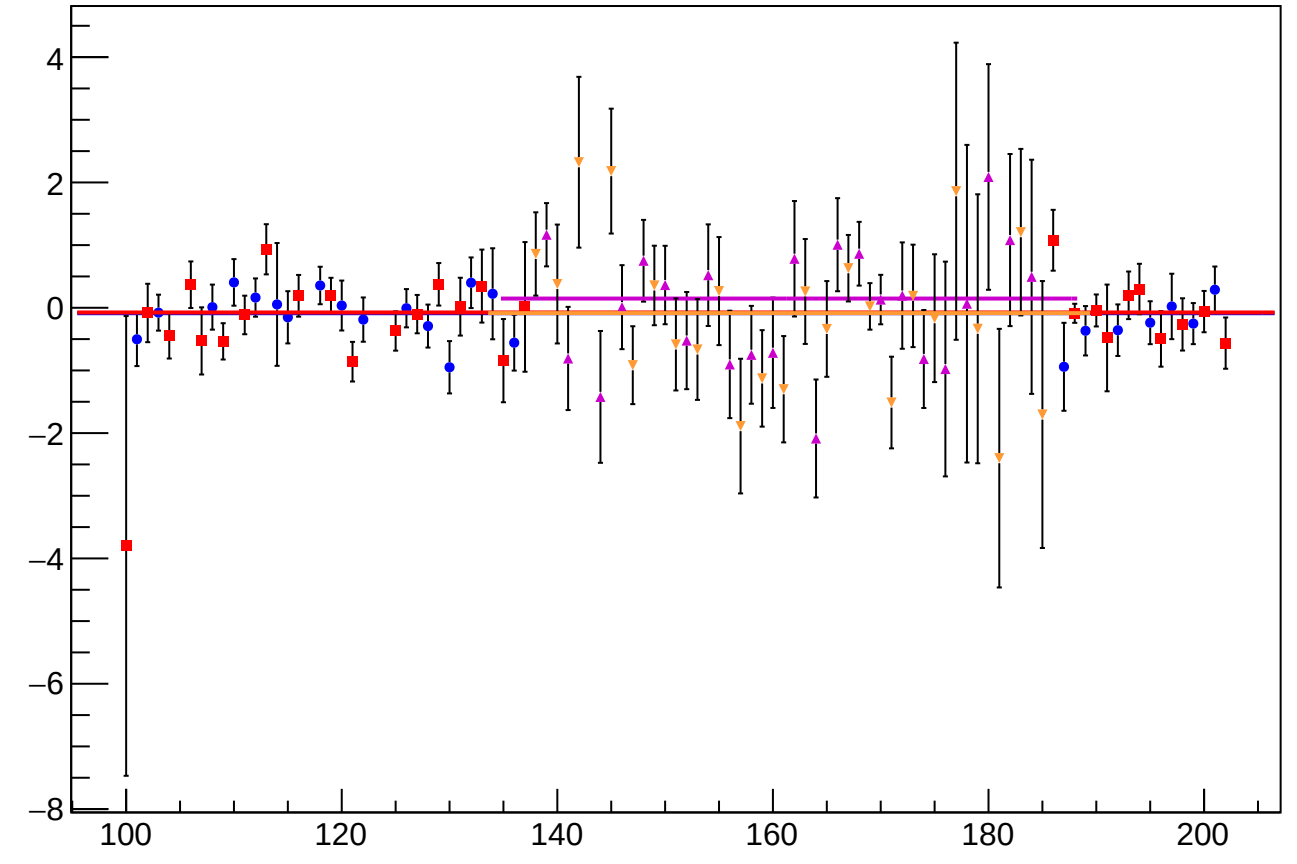
Right Out: 226.194+/-0.047 χ^2/NDF: 3205127.0/27

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.107+/-0.051 χ^2/NDF: 15034807.7/46

All: 307.037+/-0.033 χ^2/NDF: 34098829.6/97

- sign 285.763+/-0.043 χ^2/NDF: 18492663.7/50



Right In: -0.087+/-0.080 χ^2/NDF: 17.2/22

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

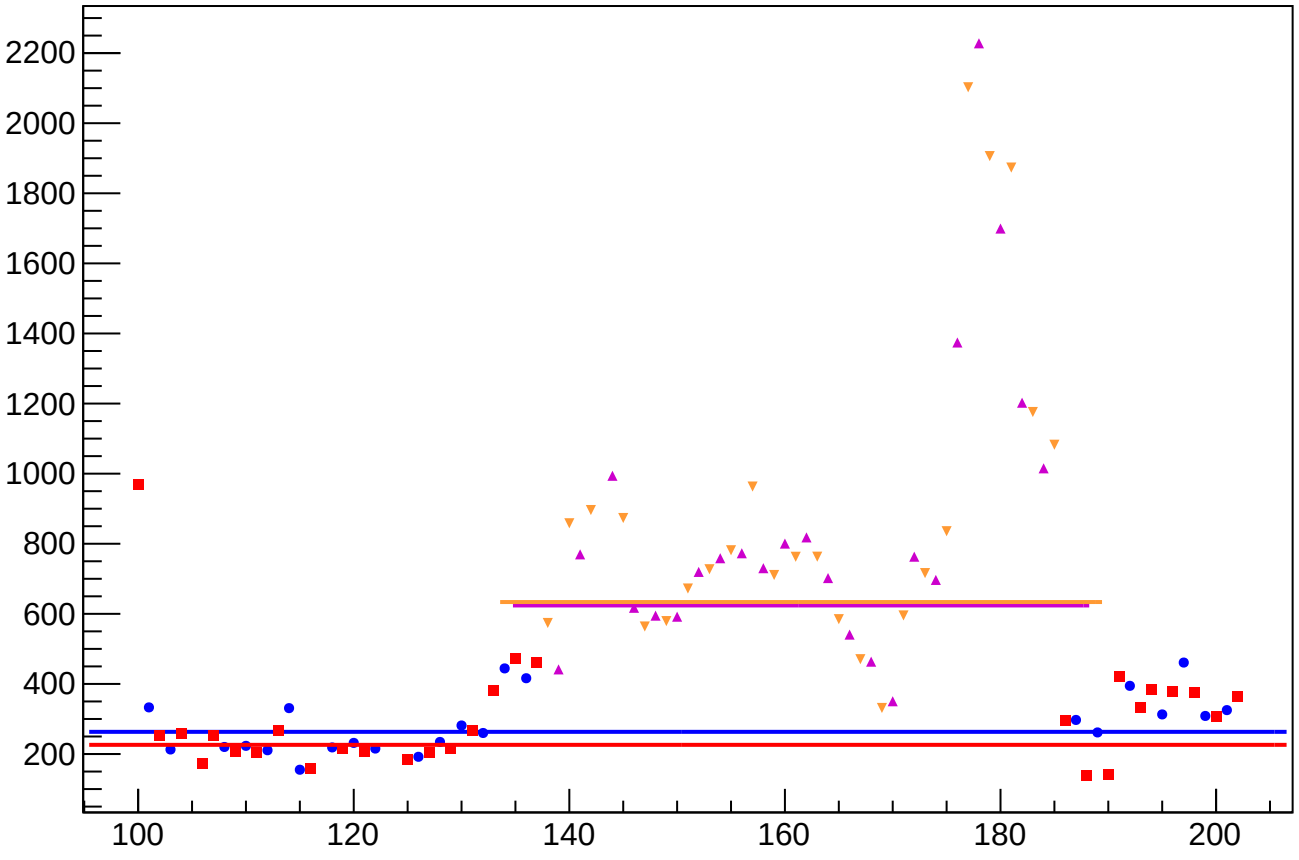
Right Out: -0.075+/-0.066 χ^2/NDF: 35.1/27

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

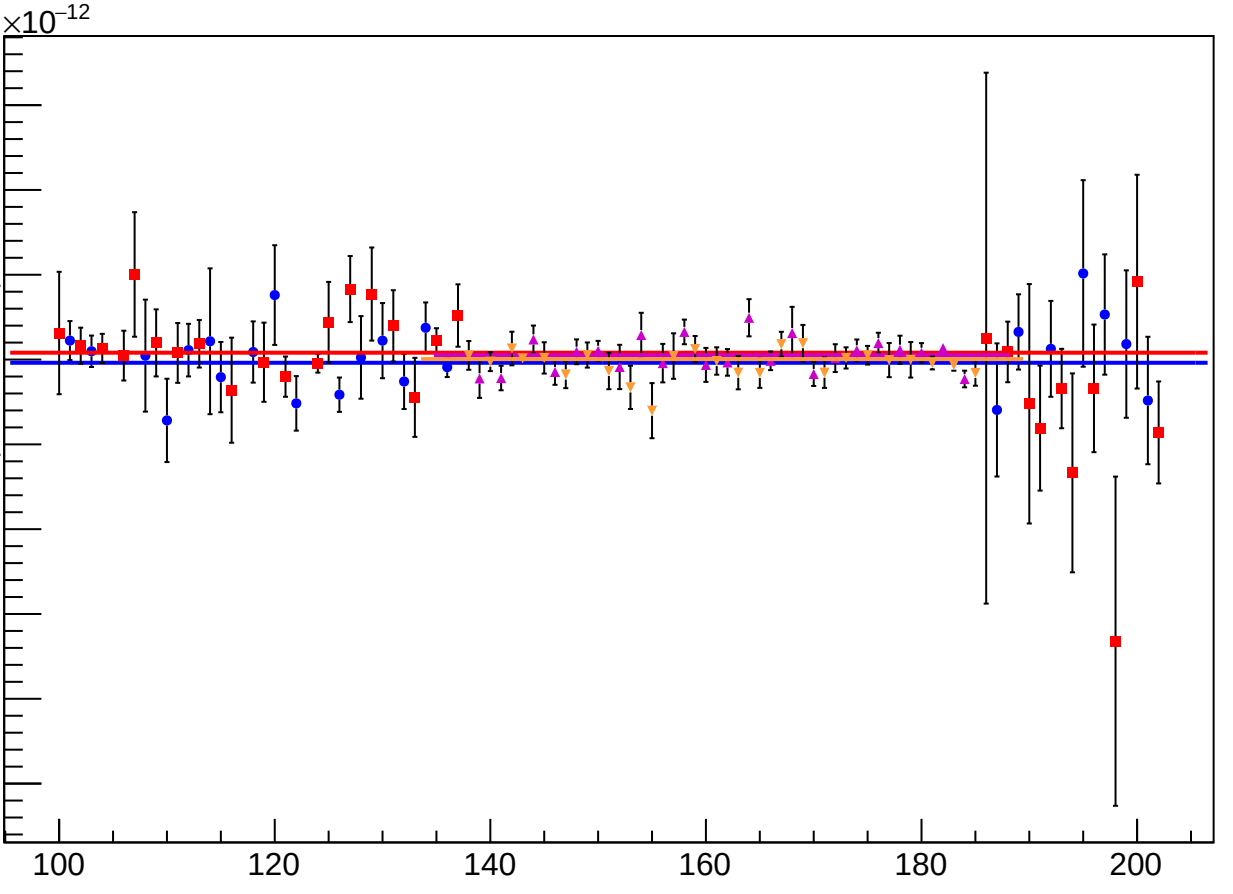
+ sign -0.086+/-0.072 χ^2/NDF: 47.5/46

All: -0.061+/-0.047 χ^2/NDF: 111.0/97

- sign -0.042+/-0.061 χ^2/NDF: 63.3/50


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 263.300+/-0.056 χ²/NDF: 1582341.2/22
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 226.194+/-0.047 χ²/NDF: 3205127.0/27
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
+ sign 336.107+/-0.051 χ²/NDF: 15034807.7/46
All: 307.037+/-0.033 χ²/NDF: 34098829.6/97
- sign 285.763+/-0.043 χ²/NDF: 18492663.7/50

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

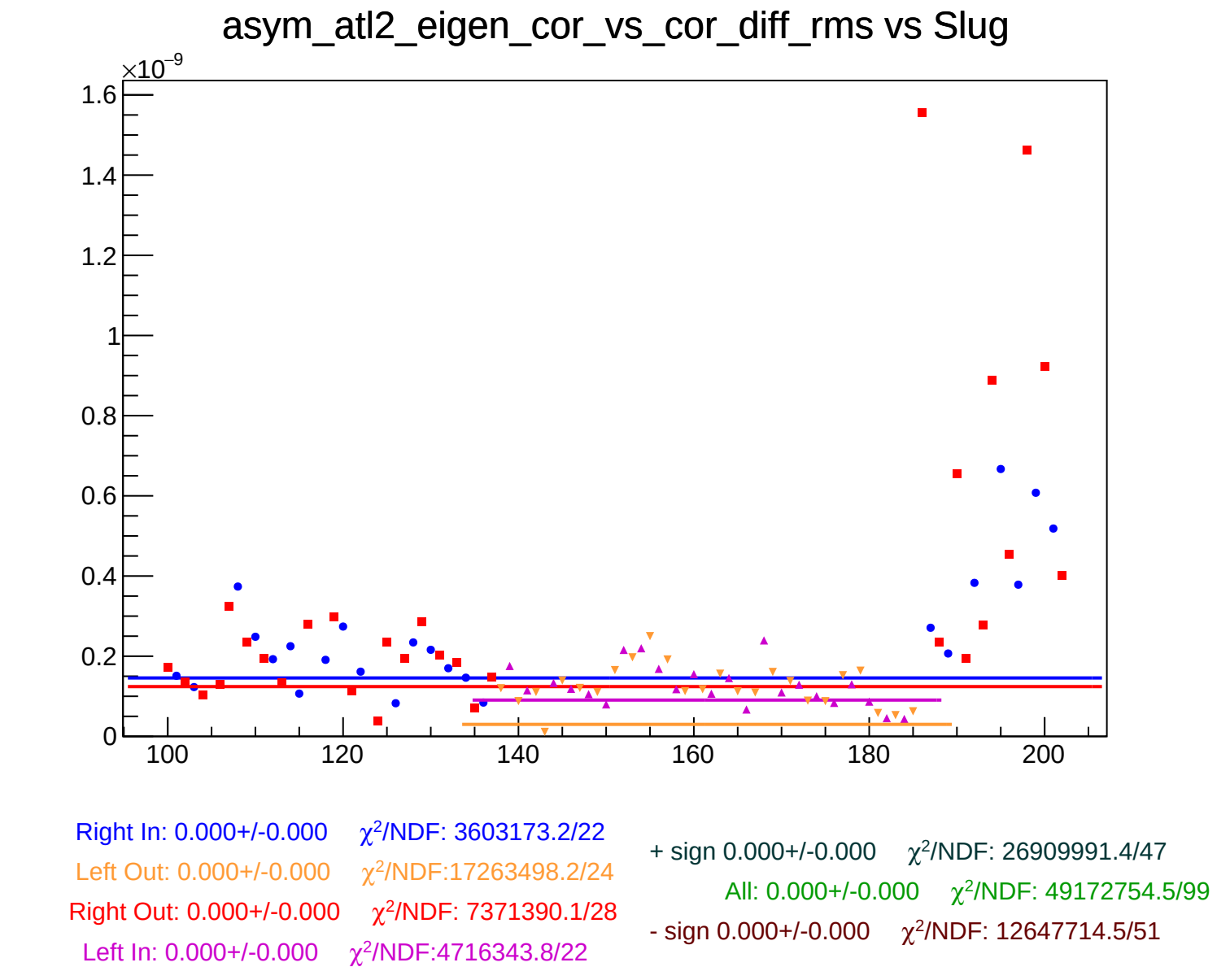
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/28

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

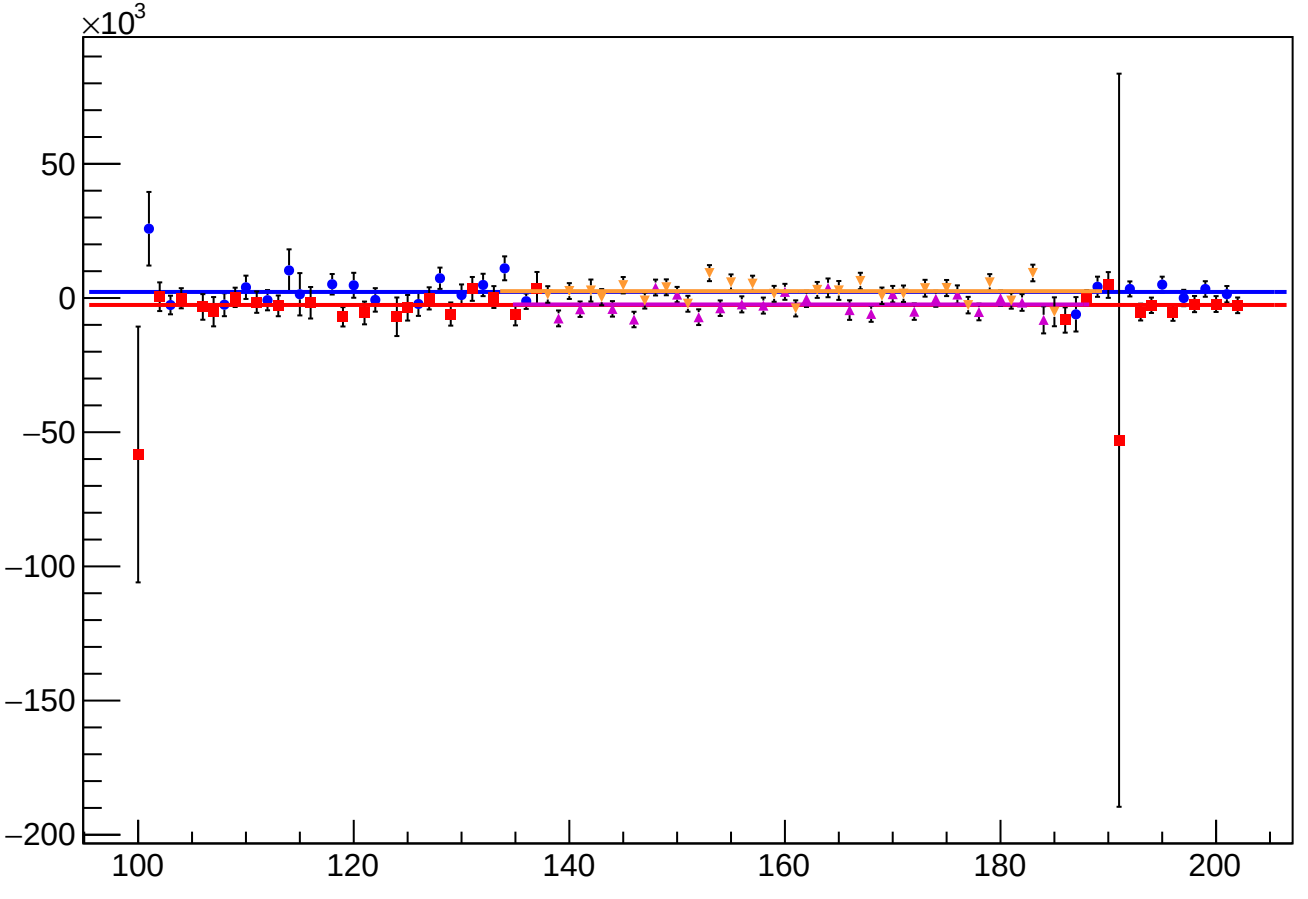
+ sign 0.000+/-0.000 χ^2/NDF: 34.3/47

All: 0.000+/-0.000 χ^2/NDF: 97.2/99

- sign 0.000+/-0.000 χ^2/NDF: 59.4/51


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3603173.2/22
Left Out: 0.000+/-0.000 χ²/NDF:17263498.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 7371390.1/28
Left In: 0.000+/-0.000 χ²/NDF:4716343.8/22
+ sign 0.000+/-0.000 χ²/NDF: 26909991.4/47
All: 0.000+/-0.000 χ²/NDF: 49172754.5/99
- sign 0.000+/-0.000 χ²/NDF: 12647714.5/51

reg_asym_atr1_mean vs Slug



Right In: 2265.064+/-804.947 χ^2/NDF: 21.6/22

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2582.813+/-743.634 χ^2/NDF: 17.1/28

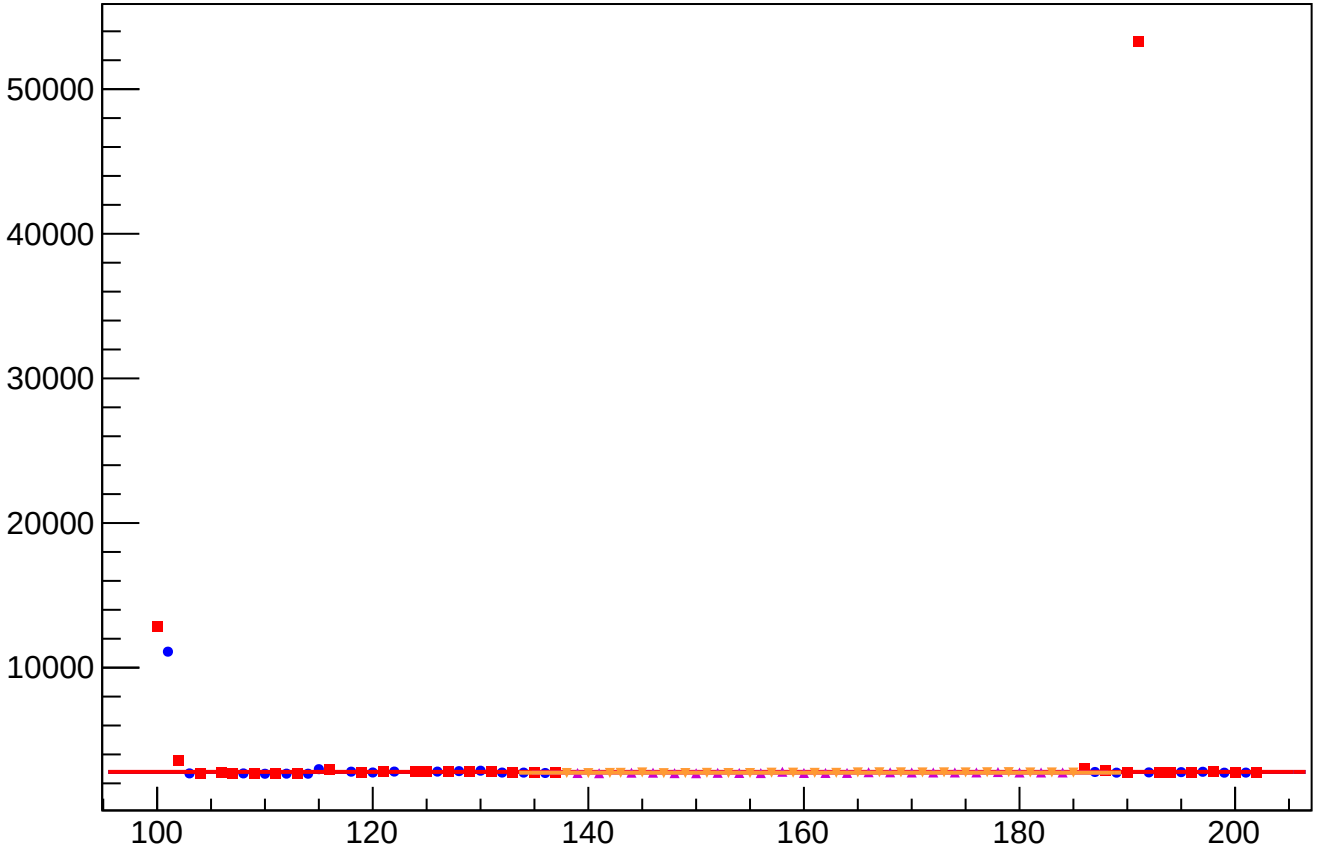
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.785+/-492.096 χ^2/NDF: 53.2/47

All: -53.350+/-345.416 χ^2/NDF: 152.7/99

- sign -2482.533+/-484.966 χ^2/NDF: 48.5/51

reg_asym_atr1_rms vs Slug



Right In: 2786.235+/-0.569 χ^2/NDF: 748395.3/22

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2793.070+/-0.526 χ^2/NDF: 479212.8/28

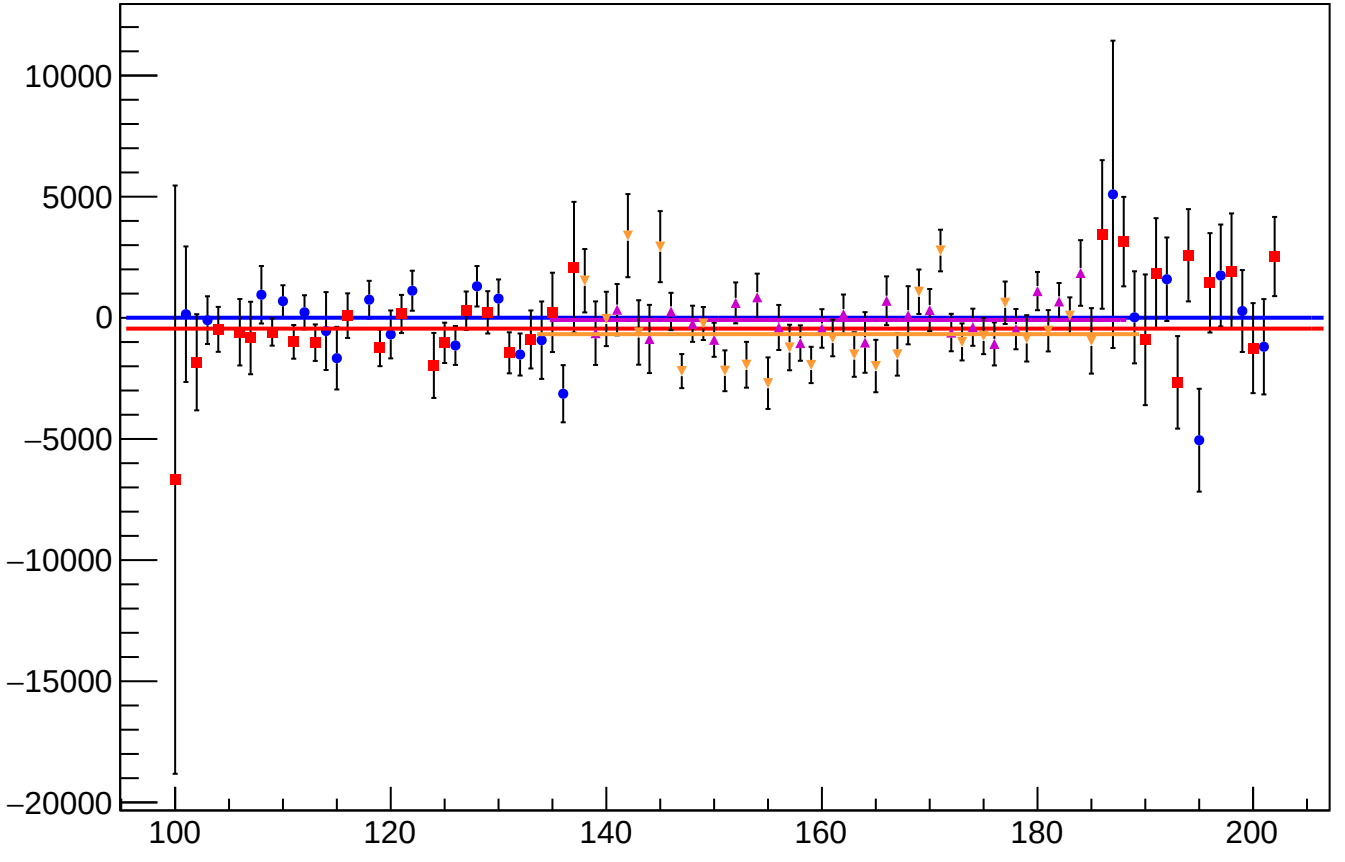
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.726+/-0.348 χ^2/NDF: 755300.6/47

All: 2759.159+/-0.244 χ^2/NDF: 1243951.4/99

- sign 2762.492+/-0.343 χ^2/NDF: 488458.9/51

asym_atr1_reg_correction_mean vs Slug



Right In: 3.986+/-223.395 χ^2/NDF: 31.0/22

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -445.341+/-204.978 χ^2/NDF: 25.6/28

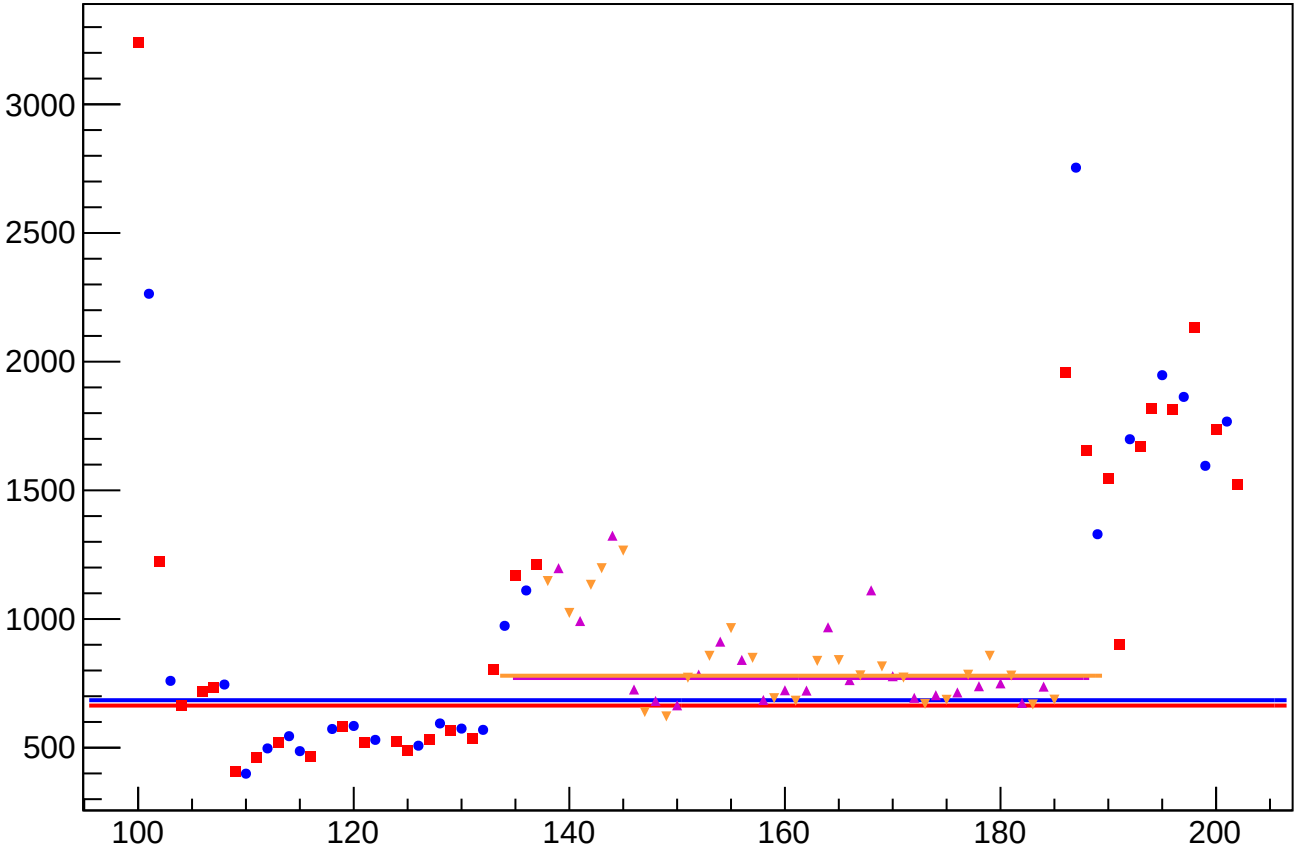
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -404.712+/-140.741 χ^2/NDF: 94.9/47

All: -323.985+/-98.065 χ^2/NDF: 137.6/99

- sign -247.809+/-136.716 χ^2/NDF: 42.0/51

asym_atr1_reg_correction_rms vs Slug



Right In: 684.584+/-0.158 χ^2/NDF: 5545074.9/22

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 663.711+/-0.145 χ^2/NDF: 6697021.4/28

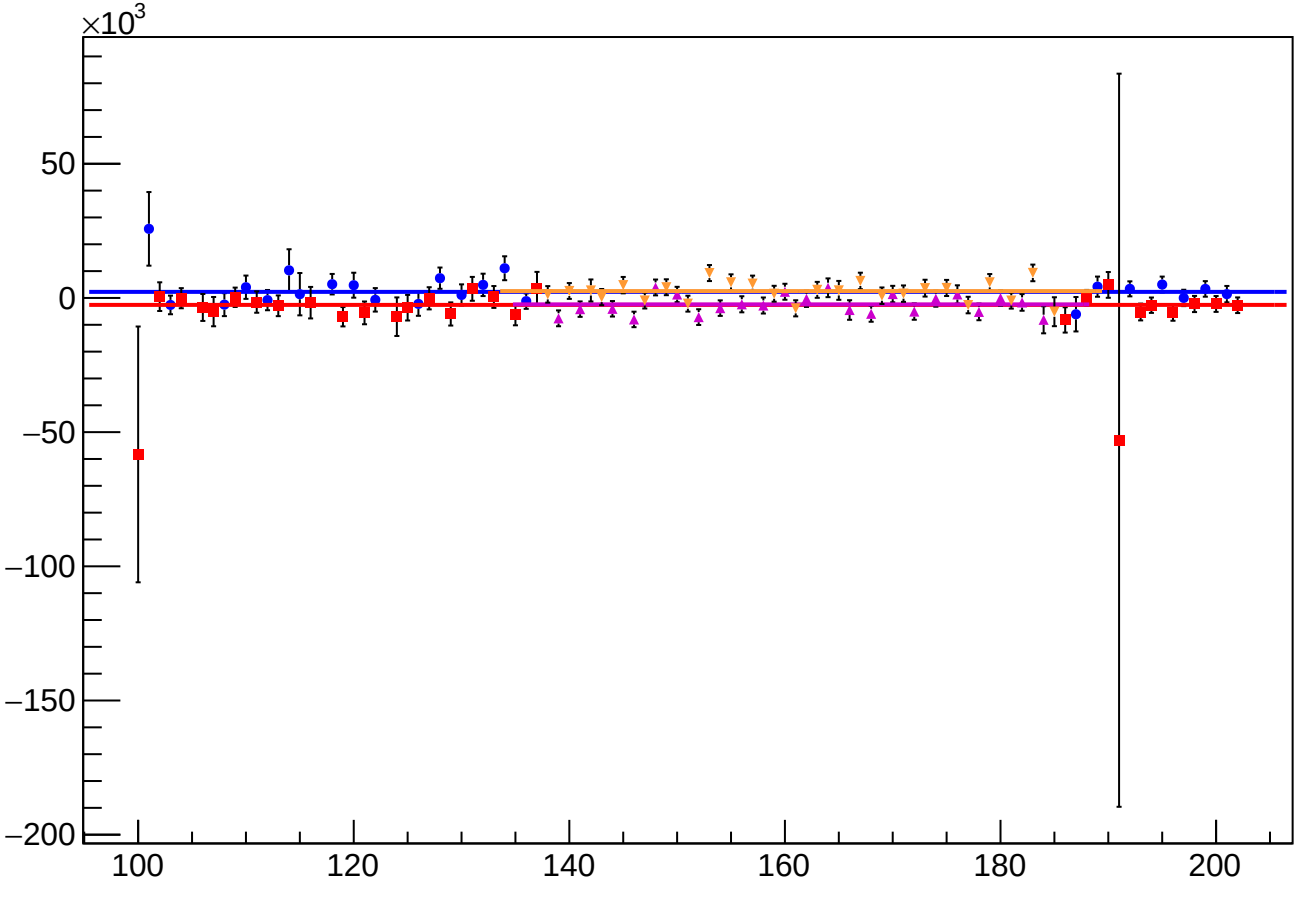
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 741.956+/-0.100 χ^2/NDF: 7007549.2/47

All: 732.284+/-0.069 χ^2/NDF: 15102299.7/99

- sign 723.158+/-0.097 χ^2/NDF: 8076393.1/51

cor_asym_atr1_mean vs Slug



Right In: 2264.697+/-804.947 χ^2/NDF: 21.6/22

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2586.235+/-744.515 χ^2/NDF: 17.1/28

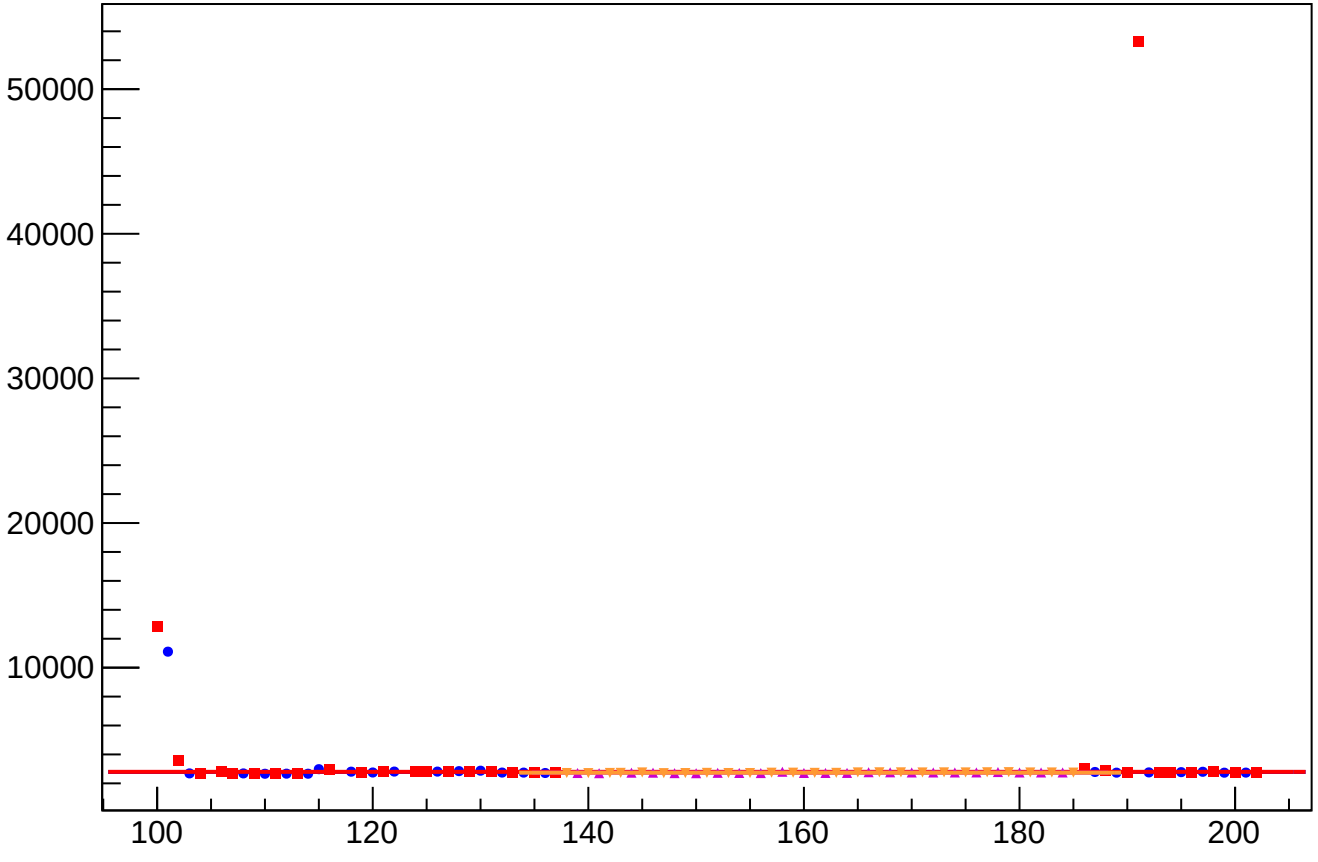
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.622+/-492.096 χ^2/NDF: 53.2/47

All: -52.916+/-345.504 χ^2/NDF: 152.7/99

- sign -2483.967+/-485.210 χ^2/NDF: 48.5/51

cor_asym_atr1_rms vs Slug



Right In: 2786.235+/-0.569 χ^2/NDF: 748394.4/22

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.826+/-0.526 χ^2/NDF: 478899.9/28

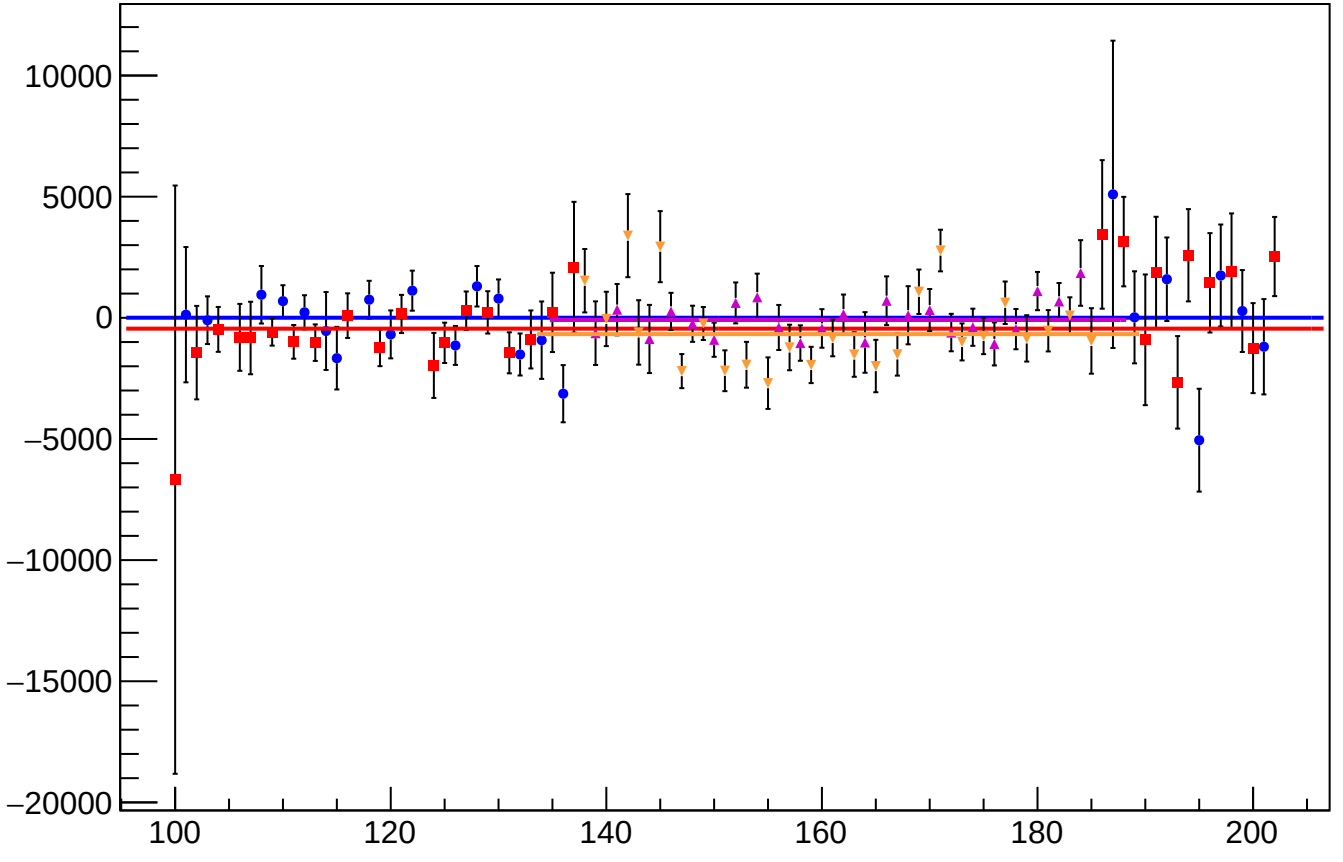
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.726+/-0.348 χ^2/NDF: 755299.7/47

All: 2759.735+/-0.244 χ^2/NDF: 1244324.1/99

- sign 2763.632+/-0.343 χ^2/NDF: 488762.6/51

asym_atr1_cor_correction_mean vs Slug



Right In: 3.958+/-223.385 χ^2/NDF: 31.0/22

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -446.169+/-204.945 χ^2/NDF: 25.4/28

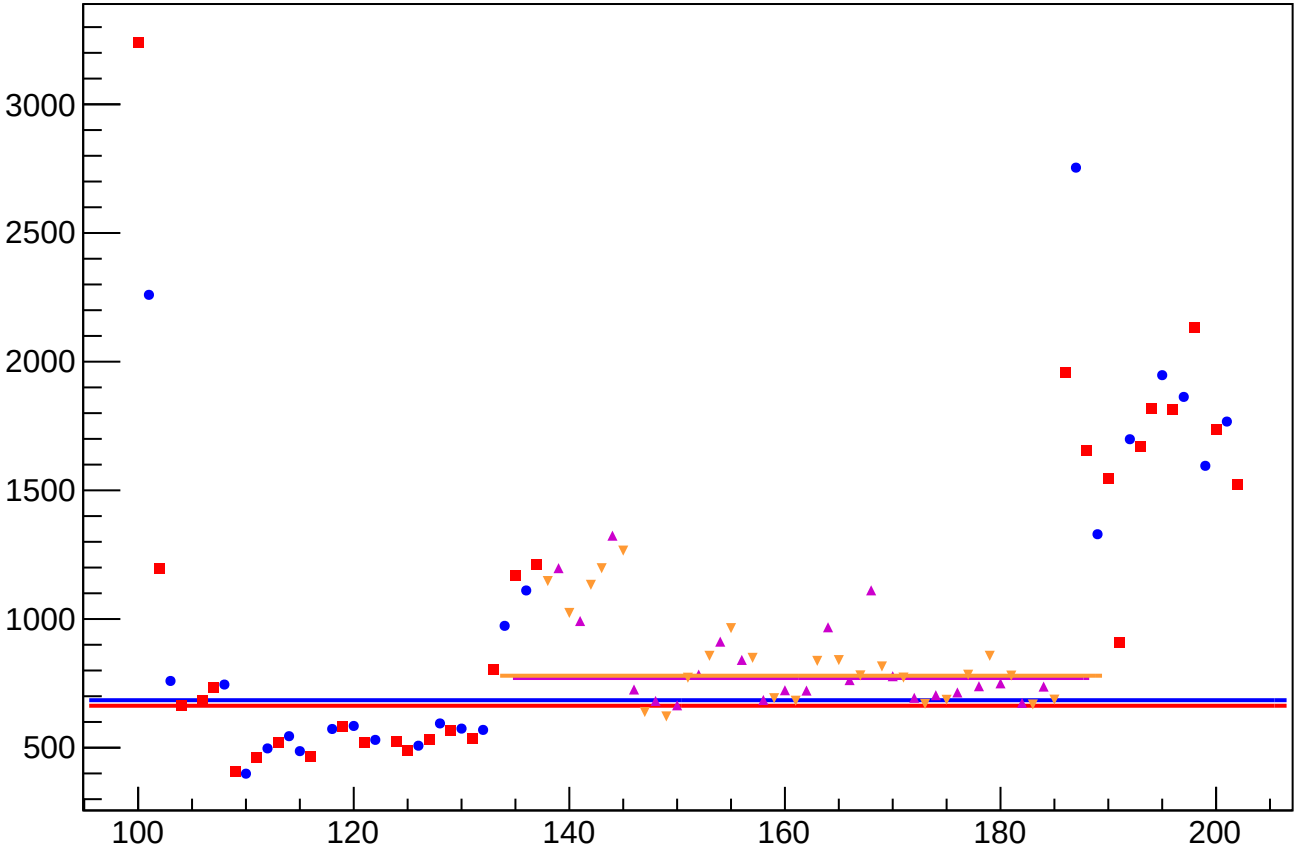
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -404.659+/-140.738 χ^2/NDF: 94.9/47

All: -324.195+/-98.060 χ^2/NDF: 137.5/99

- sign -248.276+/-136.706 χ^2/NDF: 41.9/51

asym_atr1_cor_correction_rms vs Slug



Right In: 684.573+/-0.158 χ^2/NDF: 5544143.4/22

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 663.036+/-0.145 χ^2/NDF: 6690168.8/28

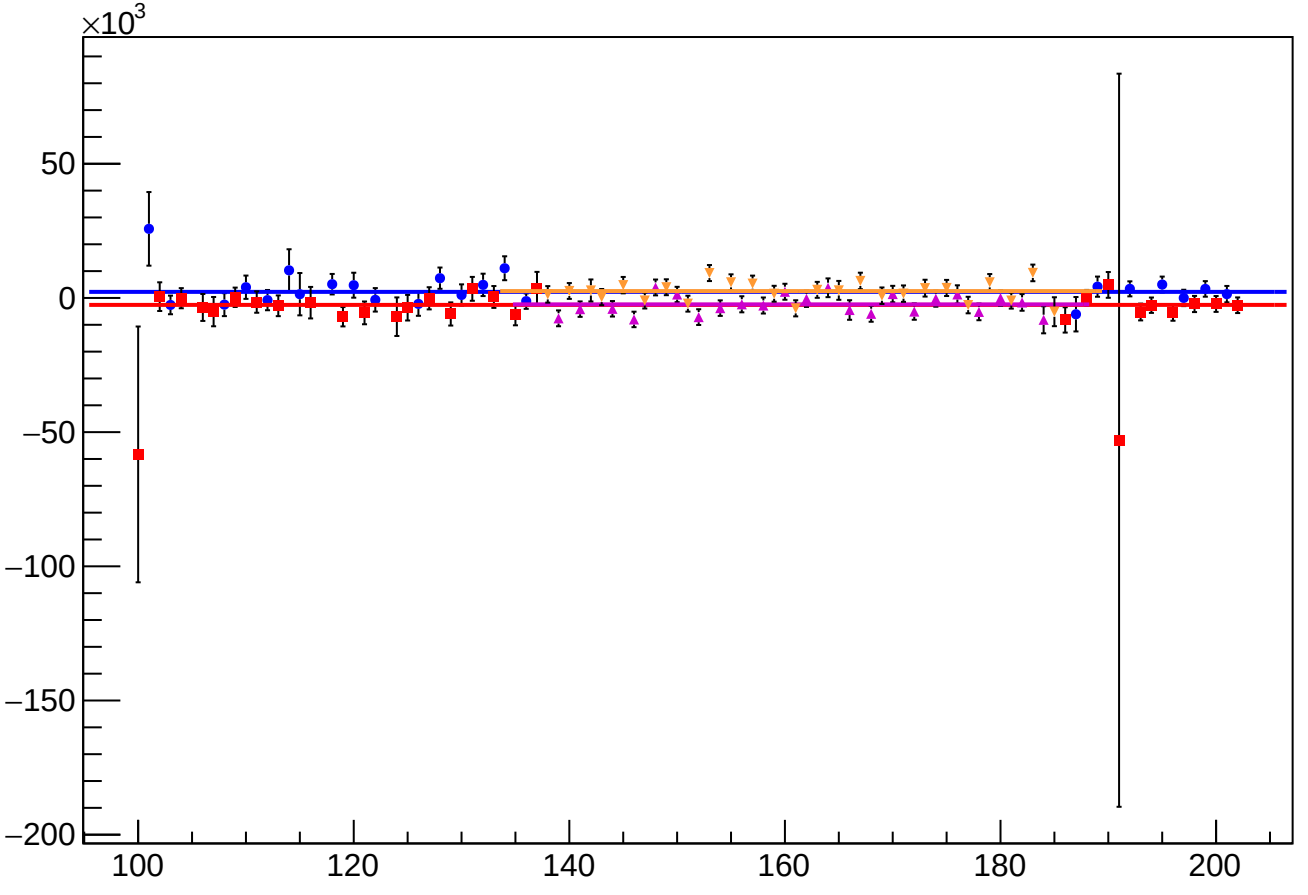
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 741.949+/-0.100 χ^2/NDF: 7006694.3/47

All: 732.122+/-0.069 χ^2/NDF: 15099026.9/99

- sign 722.851+/-0.097 χ^2/NDF: 8073383.8/51

eigen_cor_asym_atr1_mean vs Slug



Right In: 2264.697+/-804.947 χ^2/NDF: 21.6/22

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2586.235+/-744.515 χ^2/NDF: 17.1/28

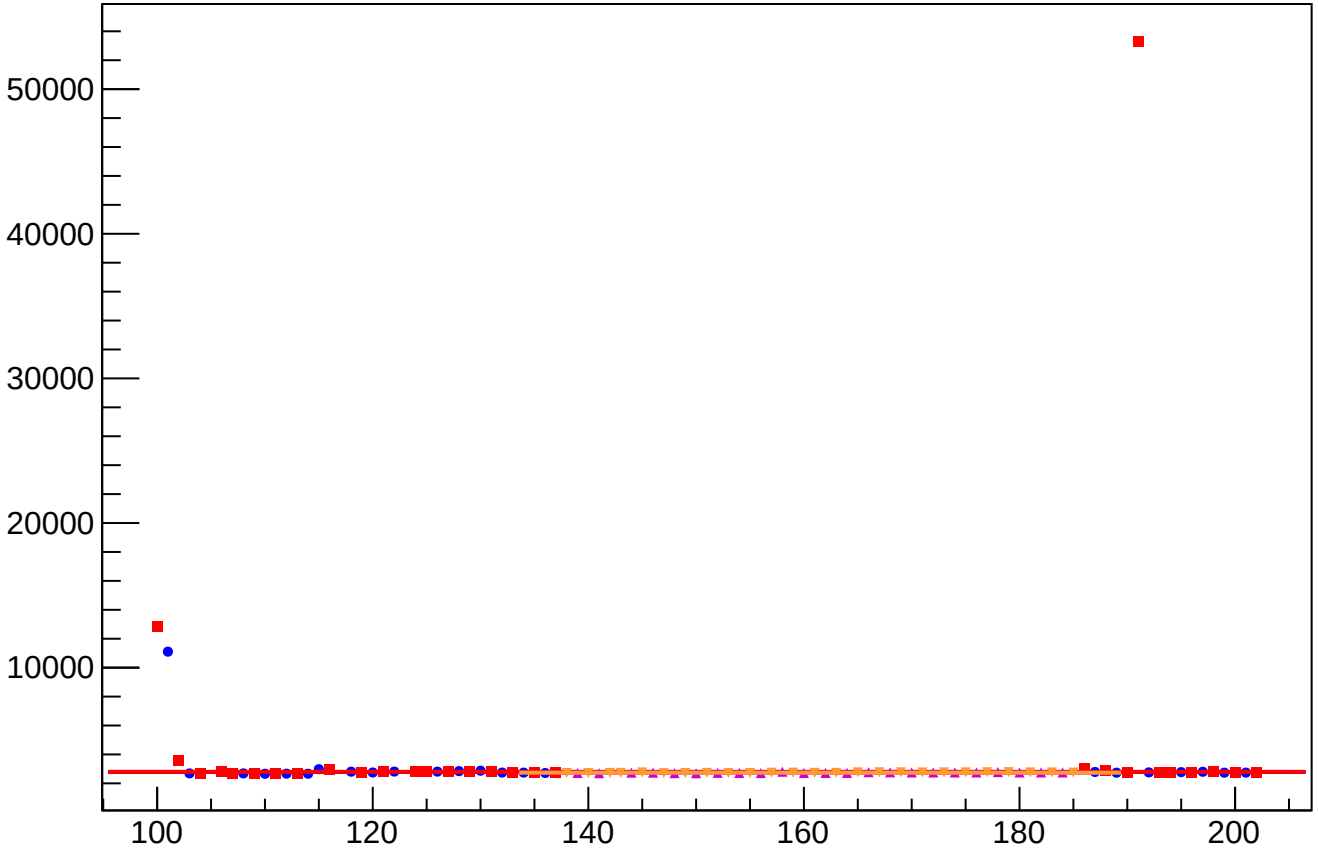
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.622+/-492.096 χ^2/NDF: 53.2/47

All: -52.916+/-345.504 χ^2/NDF: 152.7/99

- sign -2483.967+/-485.210 χ^2/NDF: 48.5/51

eigen_cor_asym_atr1_rms vs Slug



Right In: 2786.235+/-0.569 χ^2/NDF: 748394.4/22

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.826+/-0.526 χ^2/NDF: 478899.9/28

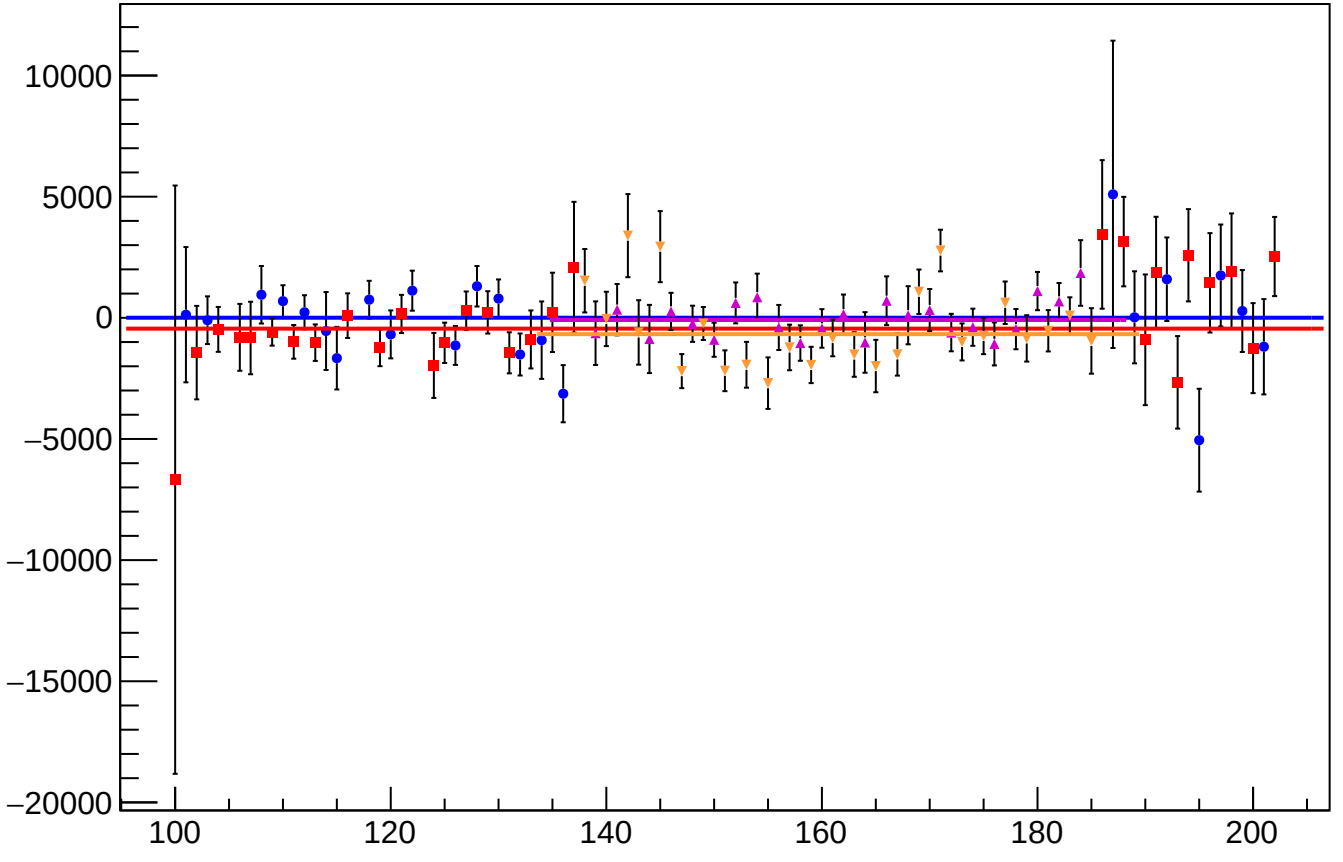
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.726+/-0.348 χ^2/NDF: 755299.7/47

All: 2759.735+/-0.244 χ^2/NDF: 1244324.1/99

- sign 2763.632+/-0.343 χ^2/NDF: 488762.6/51

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 3.958+/-223.385 χ^2/NDF: 31.0/22

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -446.169+/-204.945 χ^2/NDF: 25.4/28

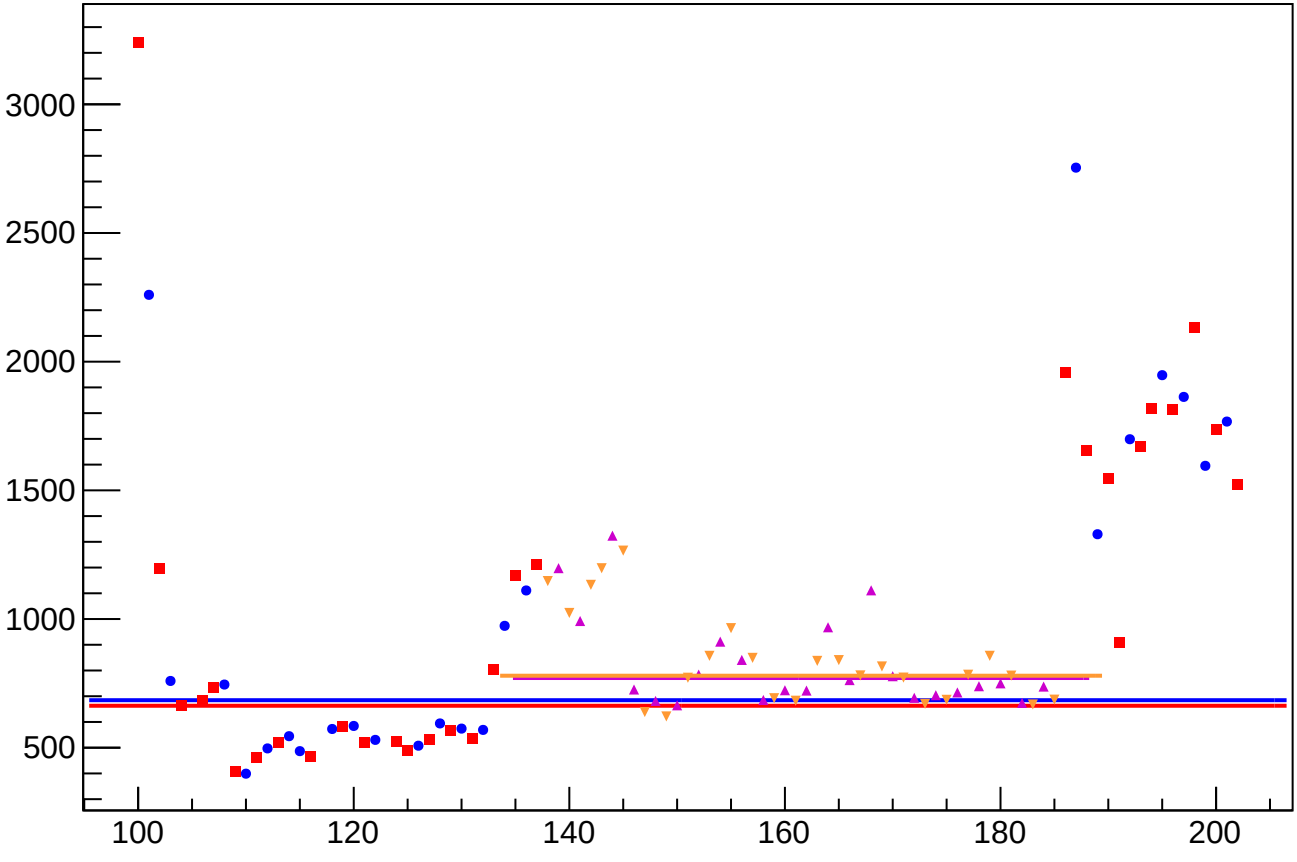
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -404.659+/-140.738 χ^2/NDF: 94.9/47

All: -324.195+/-98.060 χ^2/NDF: 137.5/99

- sign -248.276+/-136.706 χ^2/NDF: 41.9/51

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 684.573+/-0.158 χ^2/NDF: 5544143.4/22

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 663.036+/-0.145 χ^2/NDF: 6690168.8/28

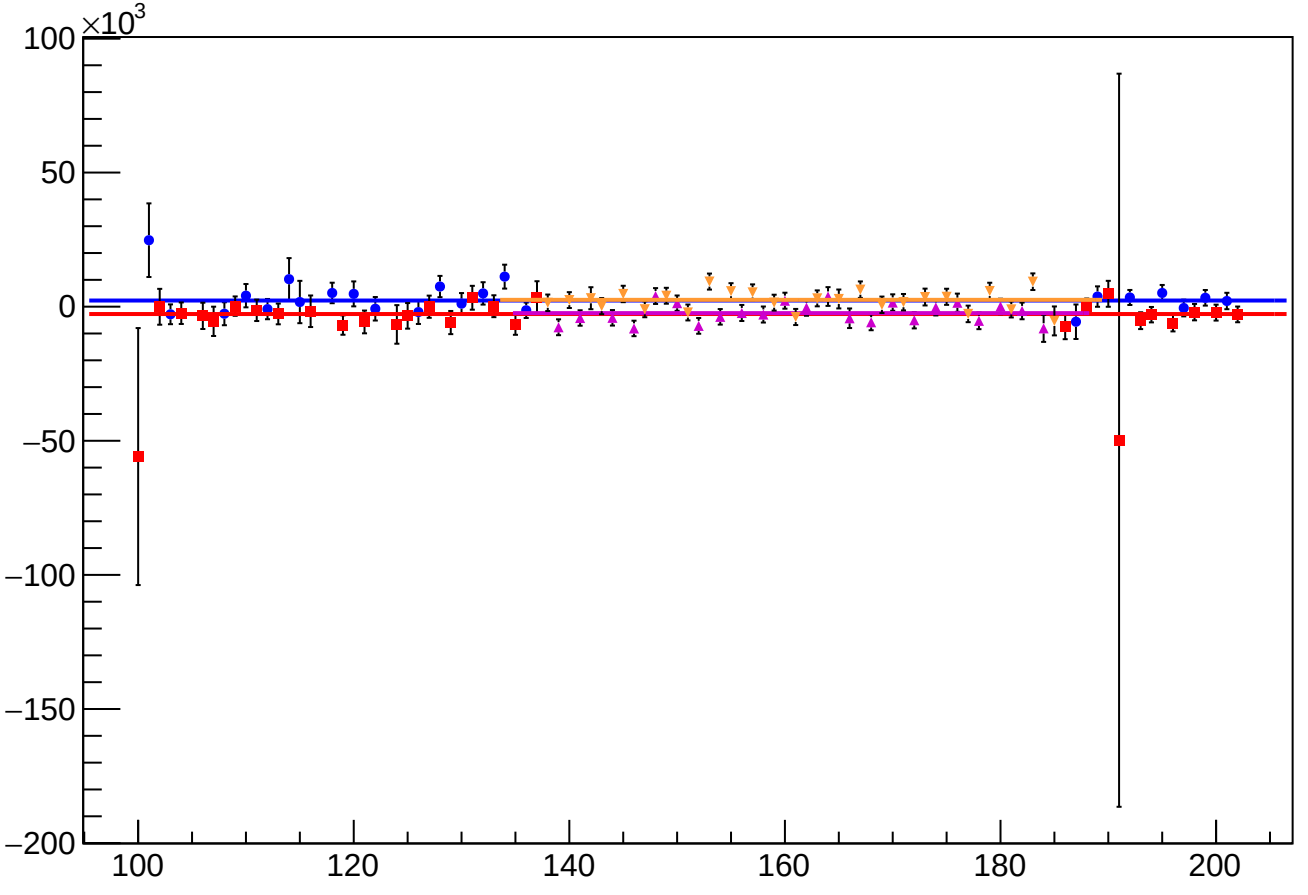
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 741.949+/-0.100 χ^2/NDF: 7006694.3/47

All: 732.122+/-0.069 χ^2/NDF: 15099026.9/99

- sign 722.851+/-0.097 χ^2/NDF: 8073383.8/51

dit_asym_atr1_mean vs Slug



Right In: 2289.777+/-810.318 χ^2/NDF: 21.6/22

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2744.470+/-751.060 χ^2/NDF: 16.3/28

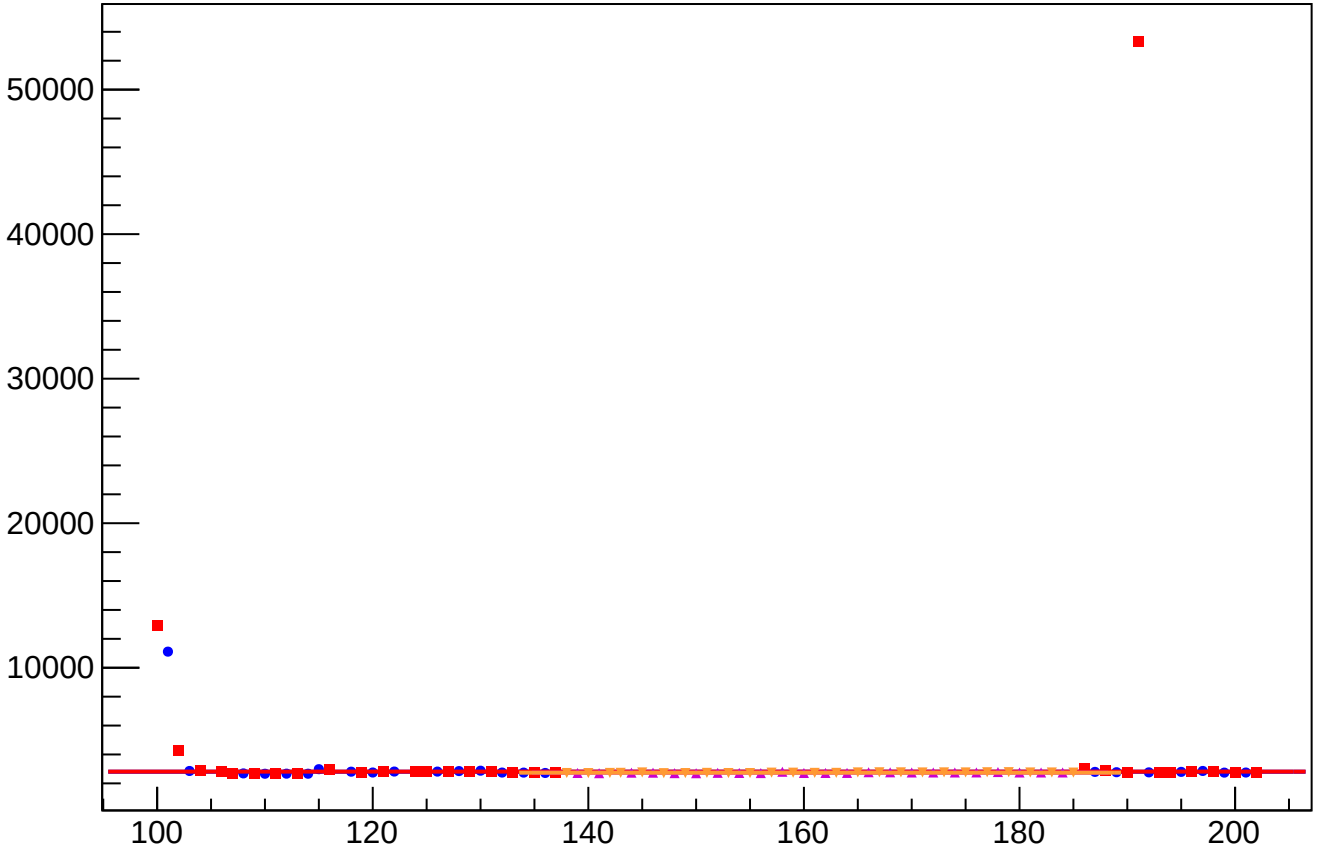
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2450.357+/-493.518 χ^2/NDF: 53.5/47

All: -81.653+/-346.703 χ^2/NDF: 153.7/99

- sign -2548.902+/-487.166 χ^2/NDF: 48.2/51

dit_asym_atr1_rms vs Slug



Right In: 2804.674+/-0.573 χ^2/NDF: 747251.3/22

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.834+/-0.531 χ^2/NDF: 532200.3/28

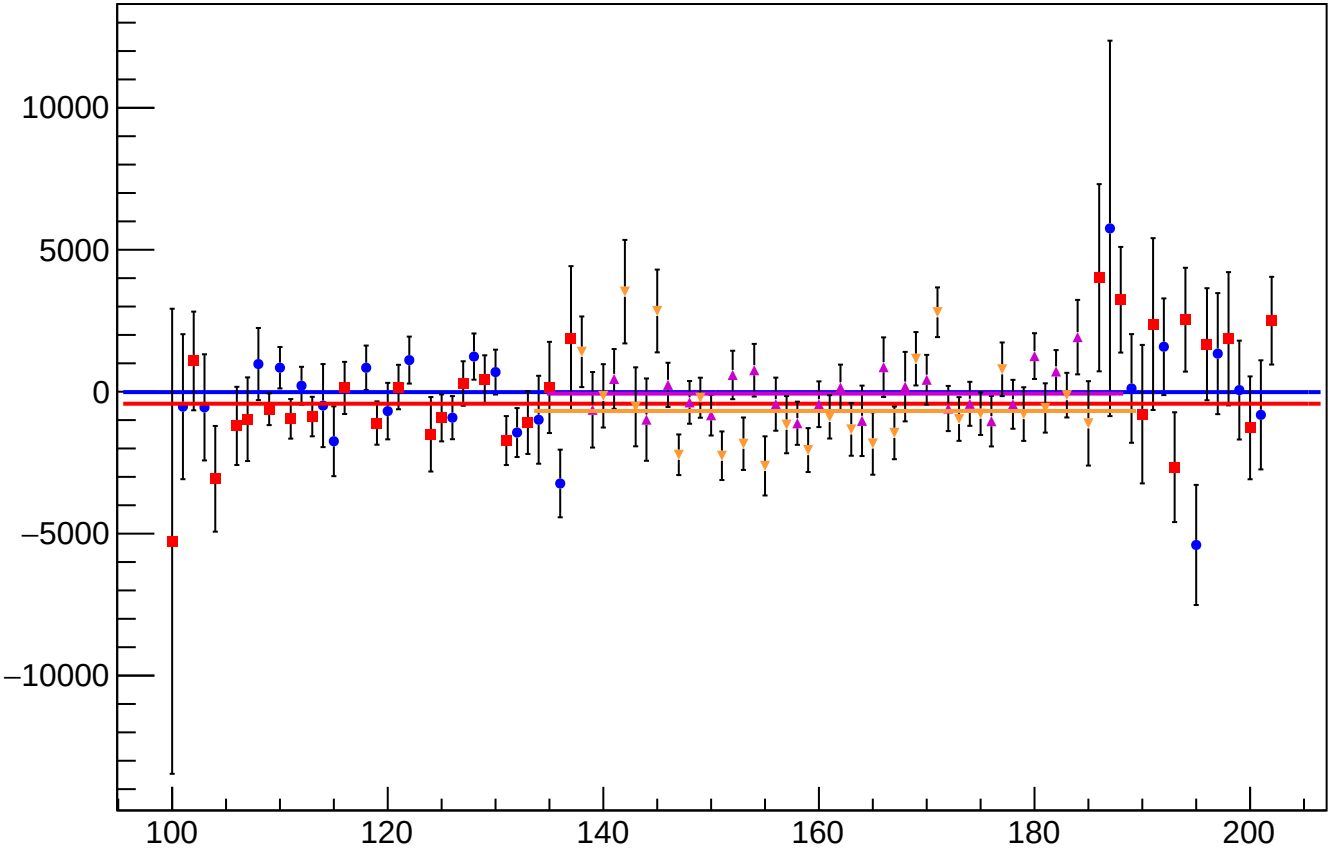
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.552+/-0.349 χ^2/NDF: 757761.5/47

All: 2767.765+/-0.245 χ^2/NDF: 1304397.8/99

- sign 2771.870+/-0.344 χ^2/NDF: 546348.5/51

asym_atr1_dit_correction_mean vs Slug



Right In: -14.366+/-226.922 χ^2/NDF: 31.5/22

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -423.058+/-205.830 χ^2/NDF: 29.3/28

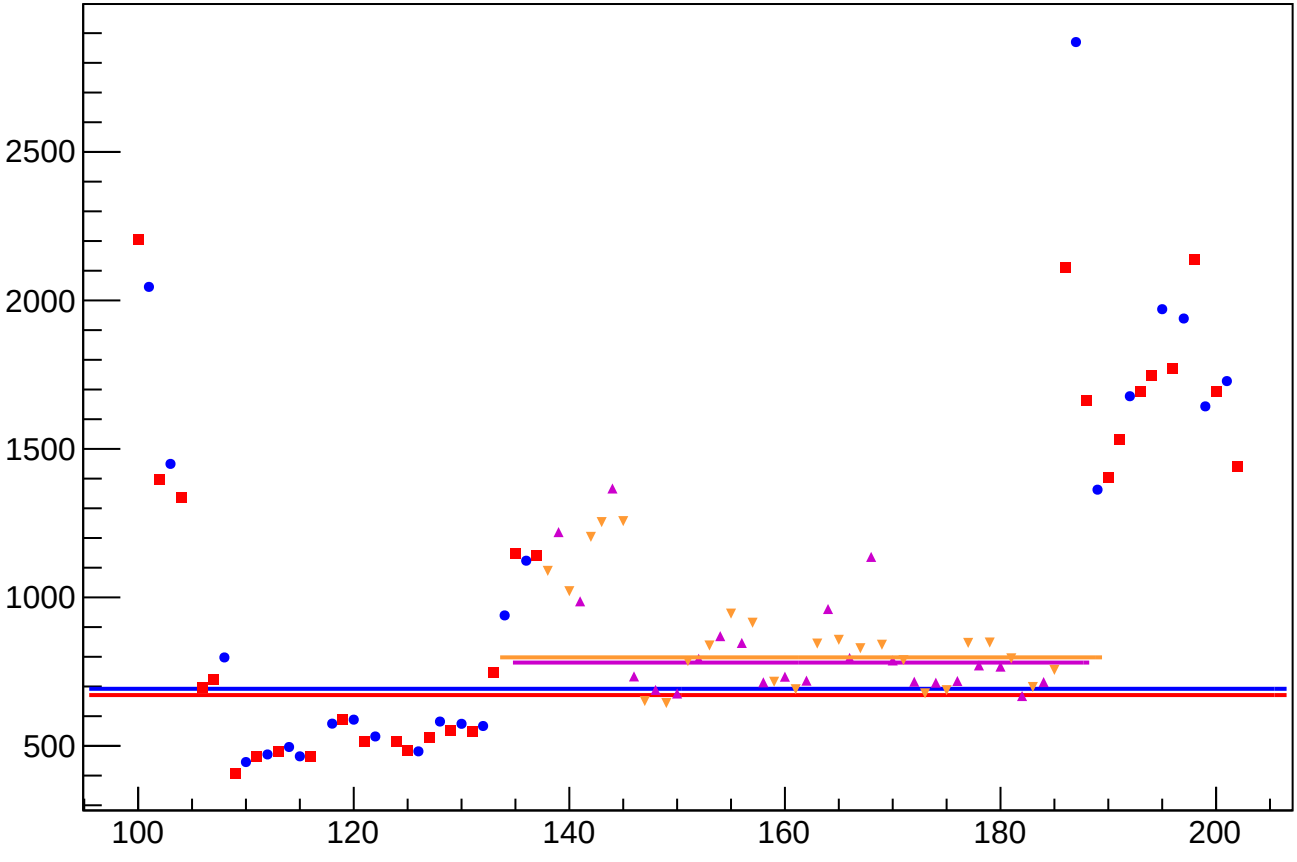
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -413.159+/-143.389 χ^2/NDF: 92.9/47

All: -316.156+/-99.345 χ^2/NDF: 140.5/99

- sign -226.607+/-137.770 χ^2/NDF: 46.8/51

asym_atr1_dit_correction_rms vs Slug



Right In: 692.215+/-0.160 χ^2/NDF: 5912867.3/22

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 671.091+/-0.146 χ^2/NDF: 7253775.7/28

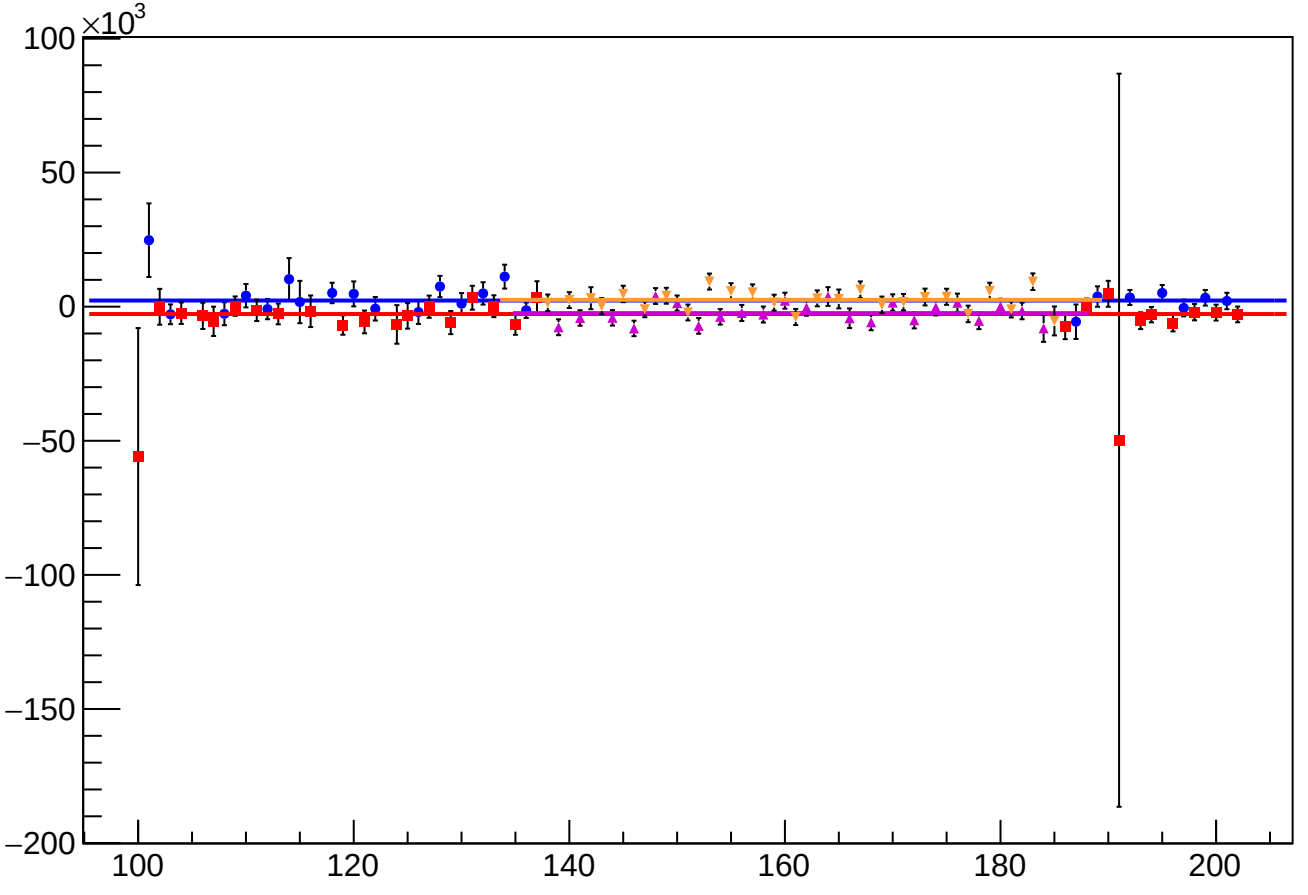
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 755.817+/-0.101 χ^2/NDF: 7342763.5/47

All: 743.171+/-0.070 χ^2/NDF: 16003348.7/99

- sign 731.497+/-0.097 χ^2/NDF: 8630668.8/51

eigen_dit_asym_atr1_mean vs Slug



Right In: 2289.777+/-810.318 χ^2/NDF: 21.6/22

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2744.468+/-751.060 χ^2/NDF: 16.3/28

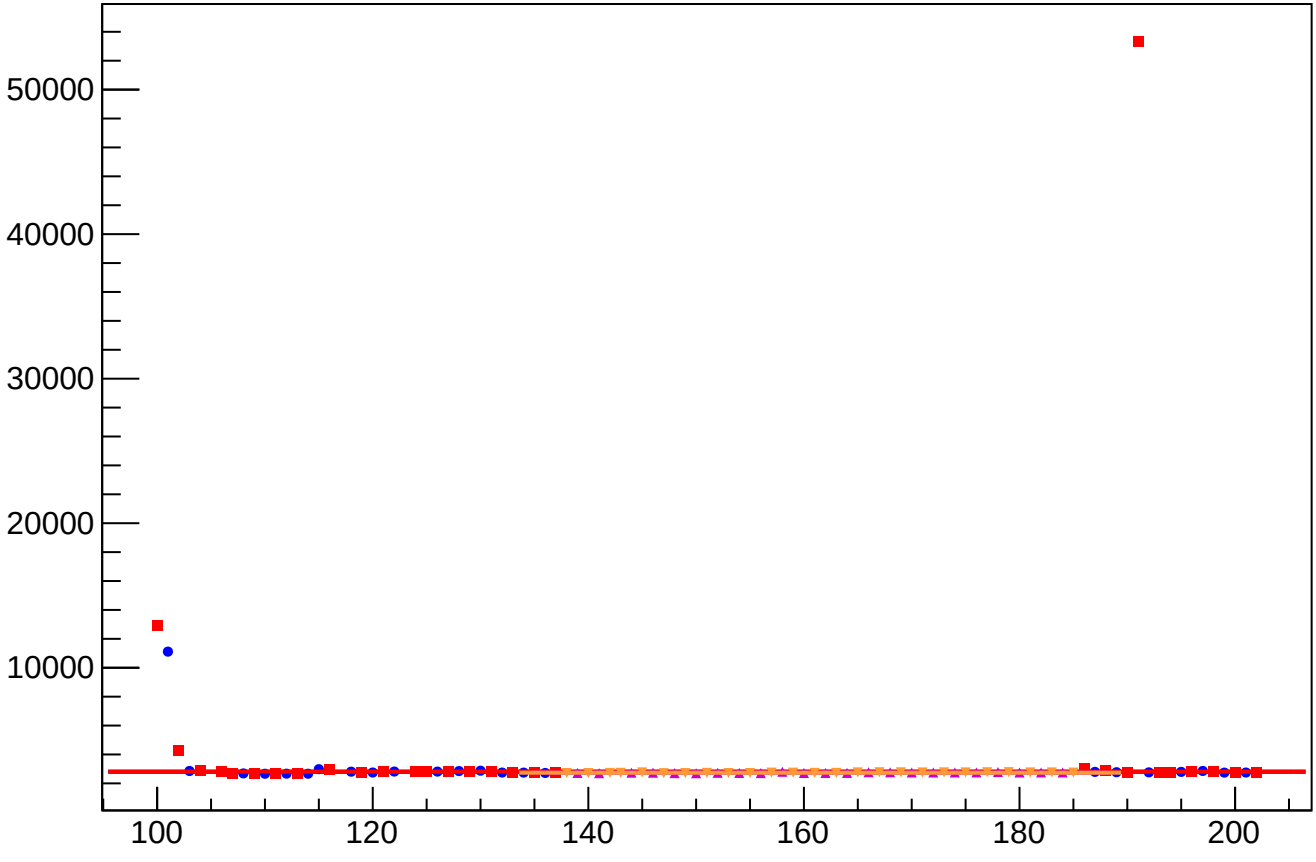
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2450.357+/-493.518 χ^2/NDF: 53.5/47

All: -81.652+/-346.703 χ^2/NDF: 153.7/99

- sign -2548.901+/-487.166 χ^2/NDF: 48.2/51

eigen_dit_asym_atr1_rms vs Slug



Right In: 2804.674+/-0.573 χ^2/NDF: 747251.3/22

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.834+/-0.531 χ^2/NDF: 532200.1/28

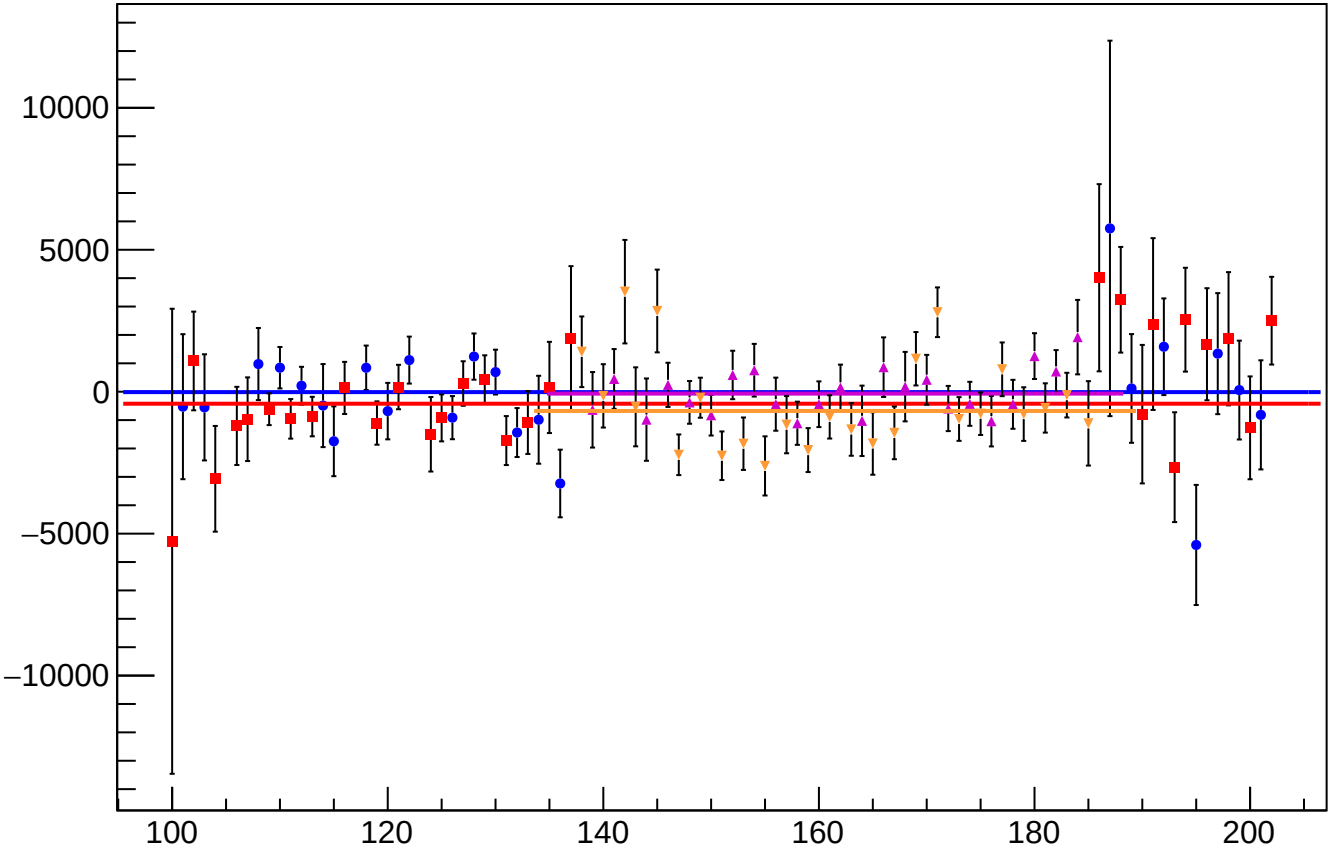
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.552+/-0.349 χ^2/NDF: 757761.5/47

All: 2767.765+/-0.245 χ^2/NDF: 1304397.5/99

- sign 2771.870+/-0.344 χ^2/NDF: 546348.3/51

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -14.366+/-226.923 χ^2/NDF: 31.5/22

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -423.058+/-205.830 χ^2/NDF: 29.3/28

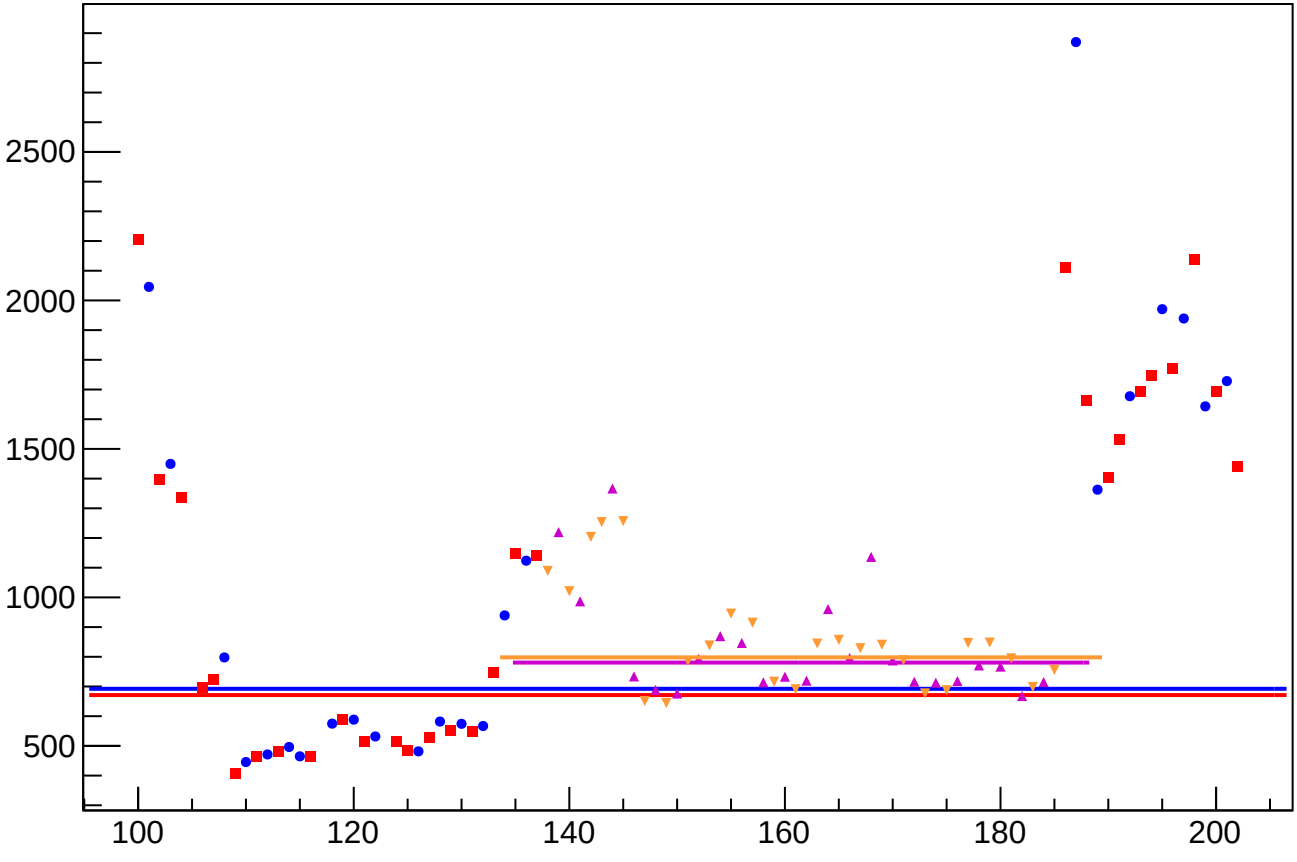
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -413.159+/-143.390 χ^2/NDF: 92.9/47

All: -316.156+/-99.345 χ^2/NDF: 140.5/99

- sign -226.607+/-137.770 χ^2/NDF: 46.8/51

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 692.215+/-0.160 χ^2/NDF: 5912863.5/22

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

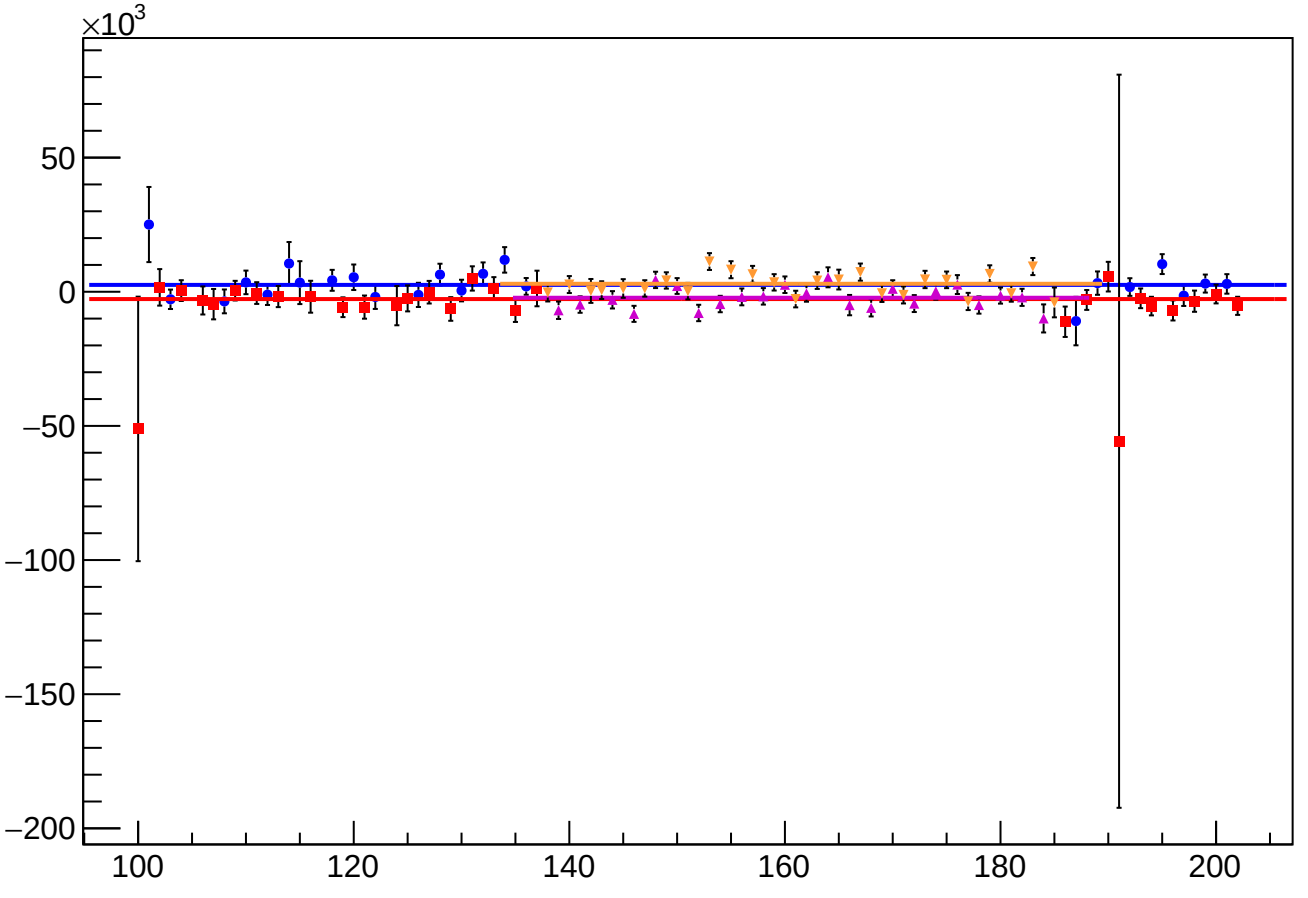
Right Out: 671.091+/-0.146 χ^2/NDF: 7253778.1/28

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 755.817+/-0.101 χ^2/NDF: 7342759.6/47

All: 743.171+/-0.070 χ^2/NDF: 16003349.4/99

- sign 731.497+/-0.097 χ^2/NDF: 8630672.8/51



Right In: 2557.484+/-883.752 χ^2/NDF: 24.7/22

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2722.578+/-826.408 χ^2/NDF: 18.2/28

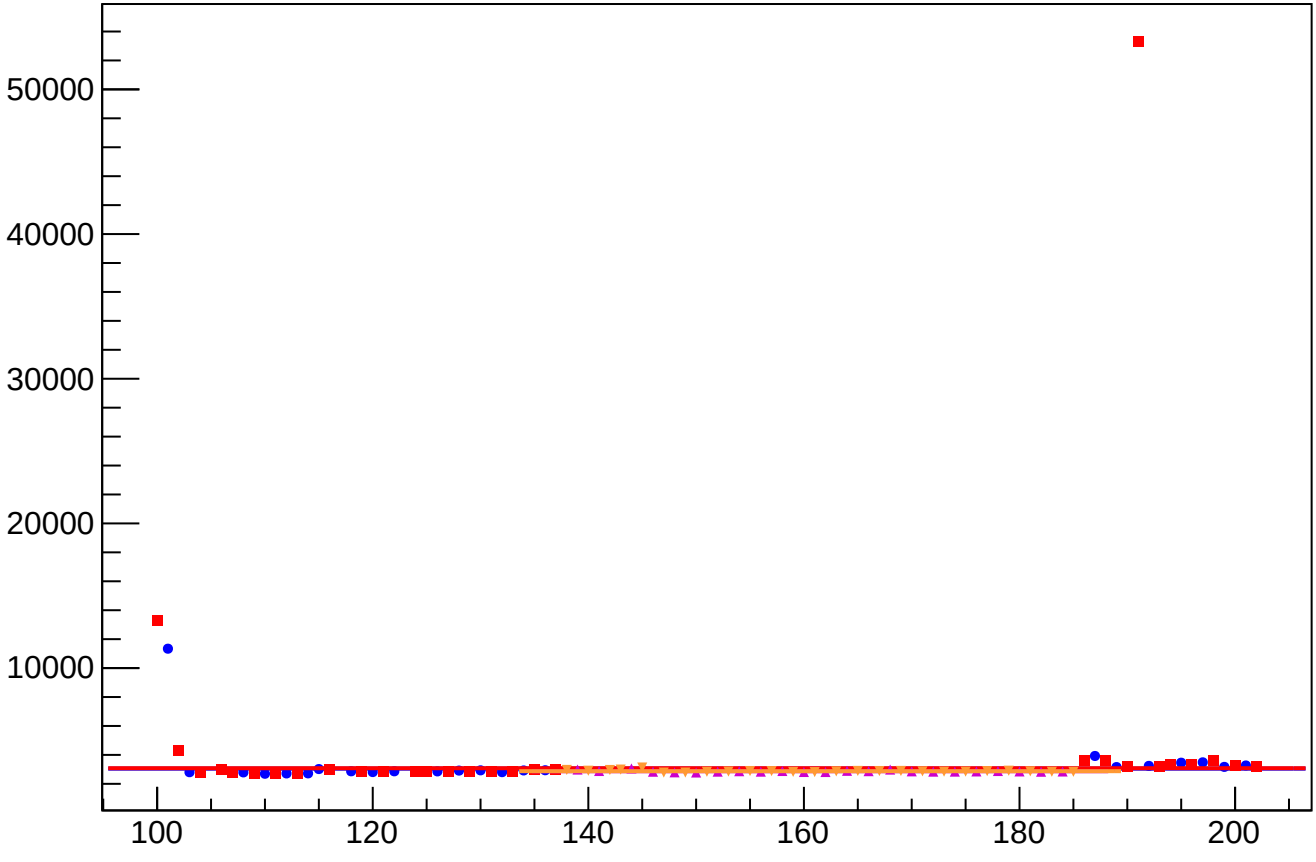
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2823.806+/-525.335 χ^2/NDF: 60.6/47

All: 173.113+/-369.782 χ^2/NDF: 163.2/99

- sign -2429.996+/-520.598 χ^2/NDF: 52.2/51

asym_atr1_rms vs Slug



Right In: 3048.869+/-0.625 χ^2/NDF: 866095.8/22

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3079.742+/-0.584 χ^2/NDF: 713878.5/28

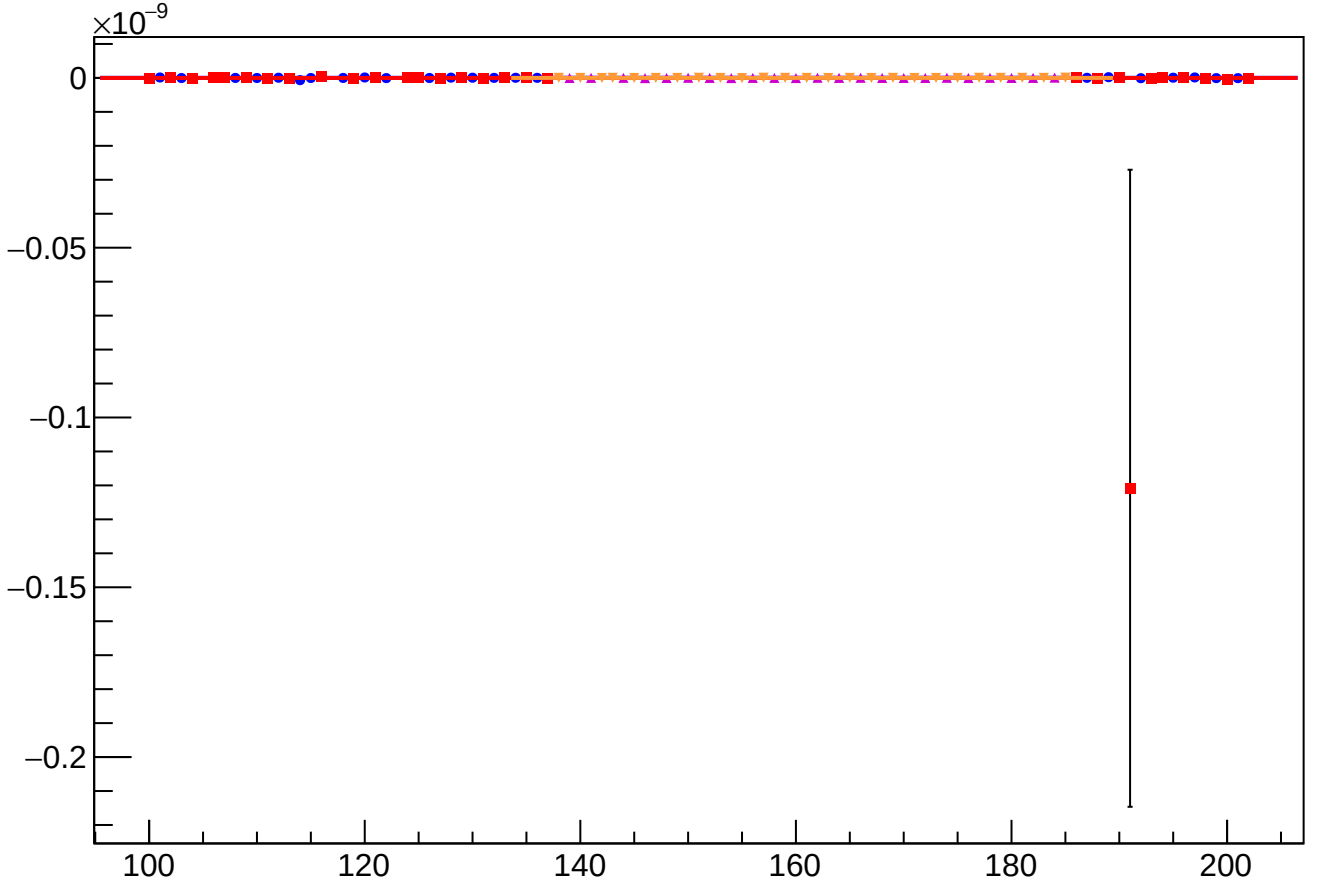
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2936.394+/-0.371 χ^2/NDF: 937981.7/47

All: 2944.937+/-0.261 χ^2/NDF: 1748187.6/99

- sign 2953.327+/-0.368 χ^2/NDF: 809157.6/51

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.4/28

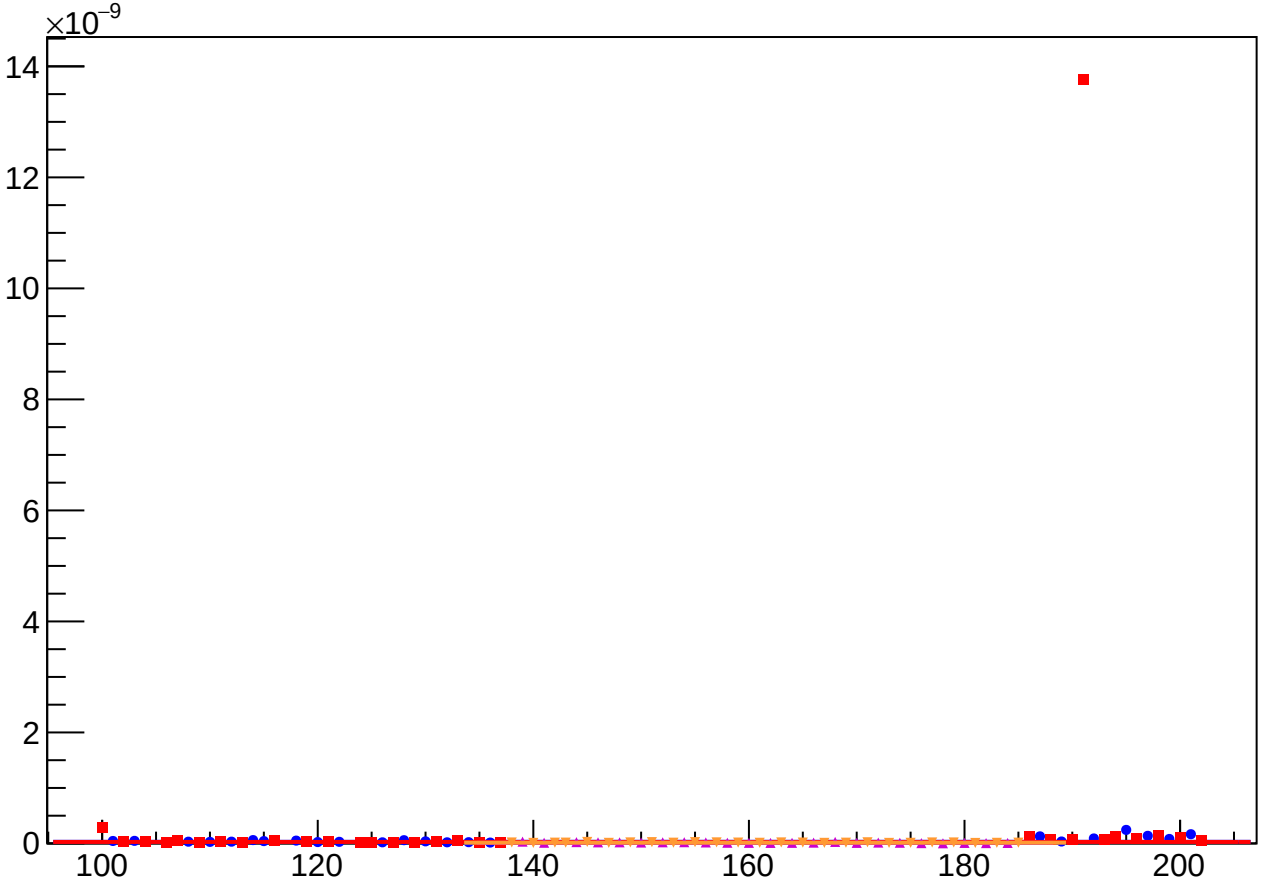
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/47

All: 0.000+/-0.000 χ^2/NDF: 94.3/99

- sign 0.000+/-0.000 χ^2/NDF: 63.4/51

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3222823.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2944644.8/28

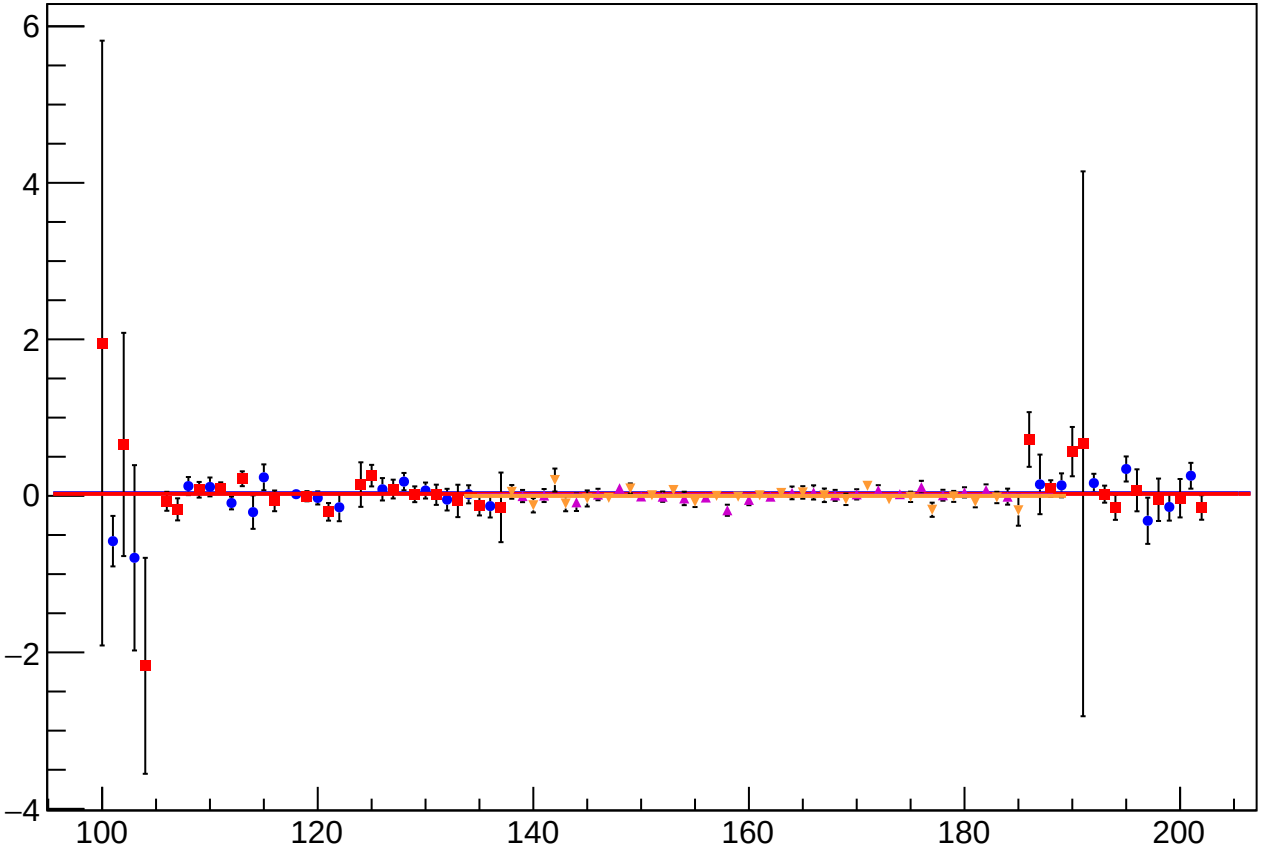
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6086224.8/47

All: 0.000+/-0.000 χ^2/NDF: 14534825.6/99

- sign 0.000+/-0.000 χ^2/NDF: 8183826.5/51

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.026 χ^2/NDF: 25.2/22

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.025+/-0.025 χ^2/NDF: 30.7/28

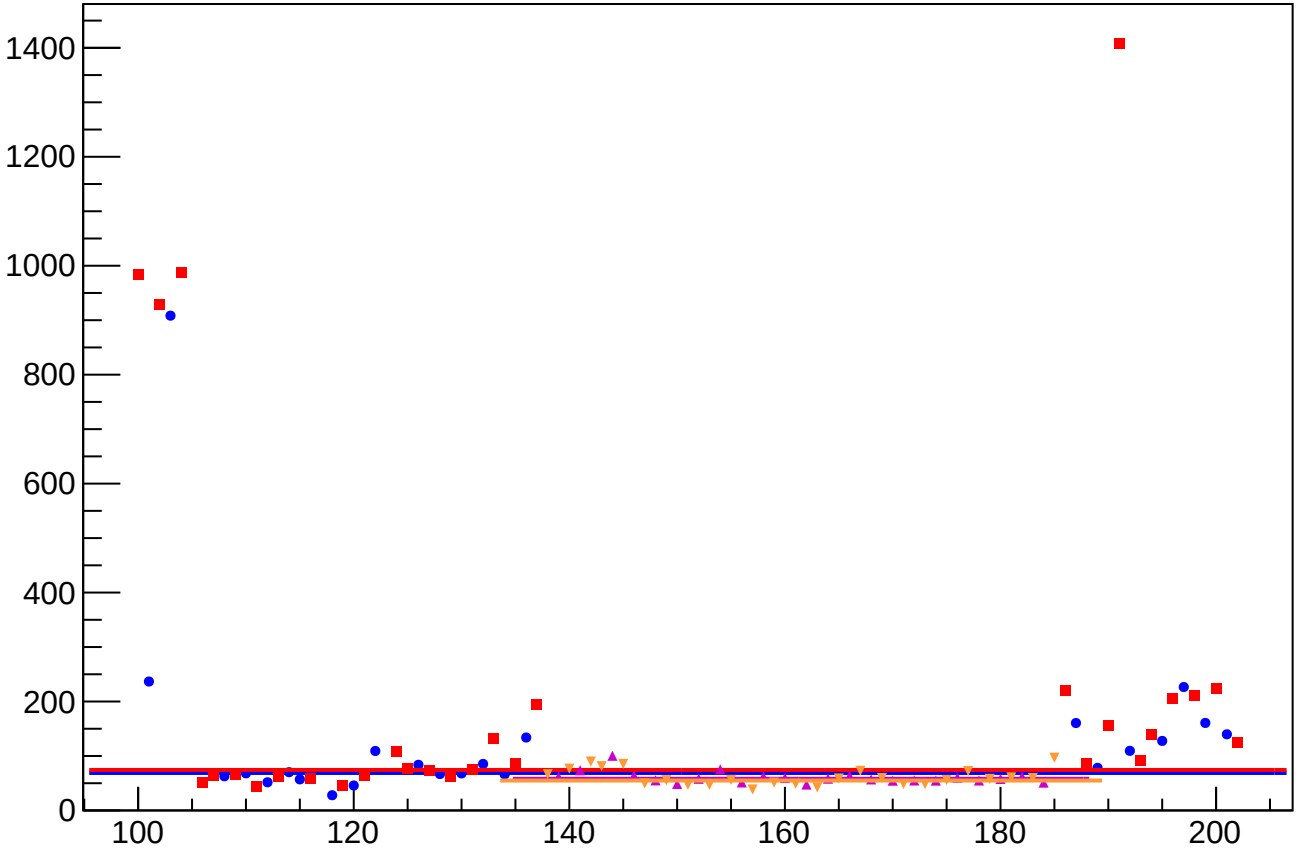
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 49.2/47

All: 0.010+/-0.009 χ^2/NDF: 95.8/99

- sign 0.013+/-0.013 χ^2/NDF: 46.6/51

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 68.861+/-0.018 χ^2/NDF: 5666295.4/22

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.343+/-0.018 χ^2/NDF: 6128609.3/28

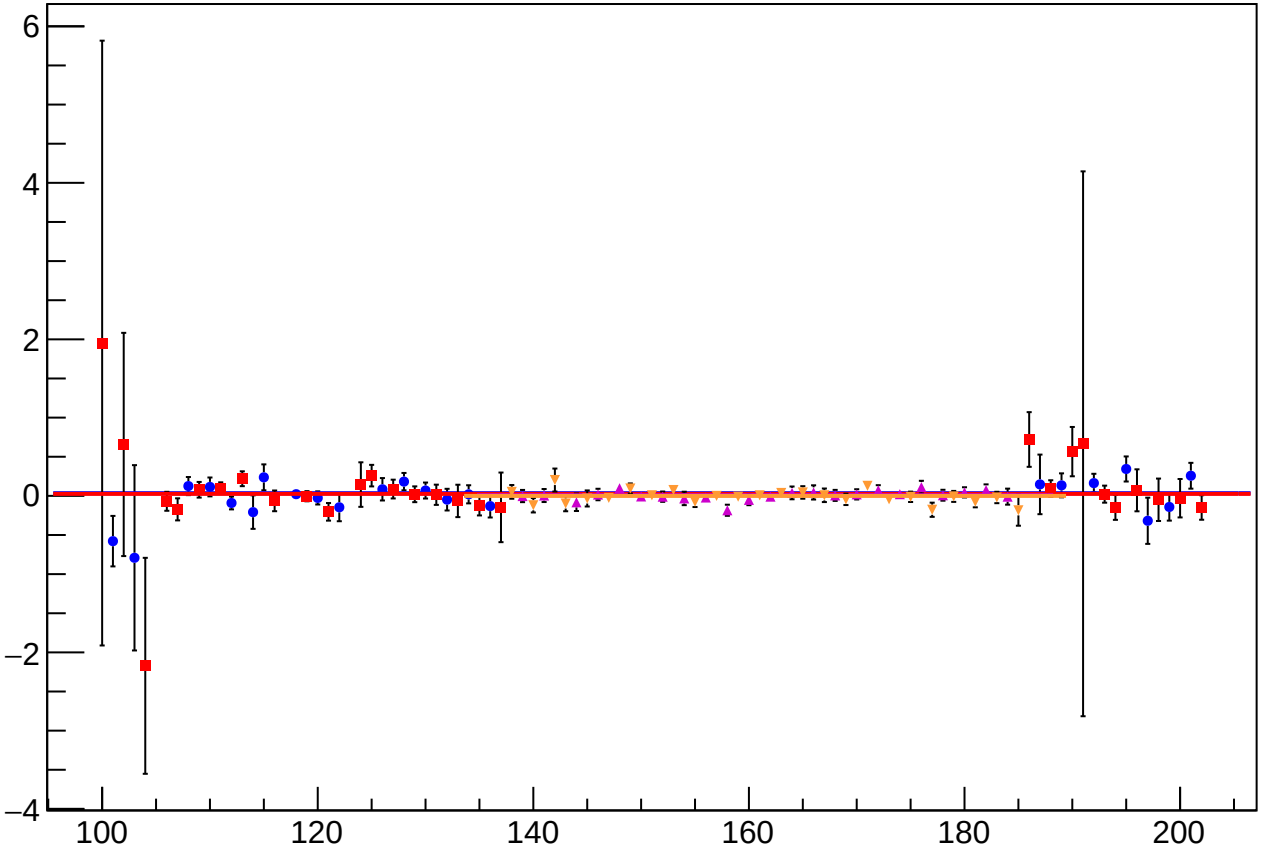
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.180+/-0.009 χ^2/NDF: 7419606.2/47

All: 60.186+/-0.006 χ^2/NDF: 14933033.8/99

- sign 62.334+/-0.009 χ^2/NDF: 7403979.0/51

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.034+/-0.026 χ^2/NDF: 25.2/22

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.025+/-0.025 χ^2/NDF: 30.7/28

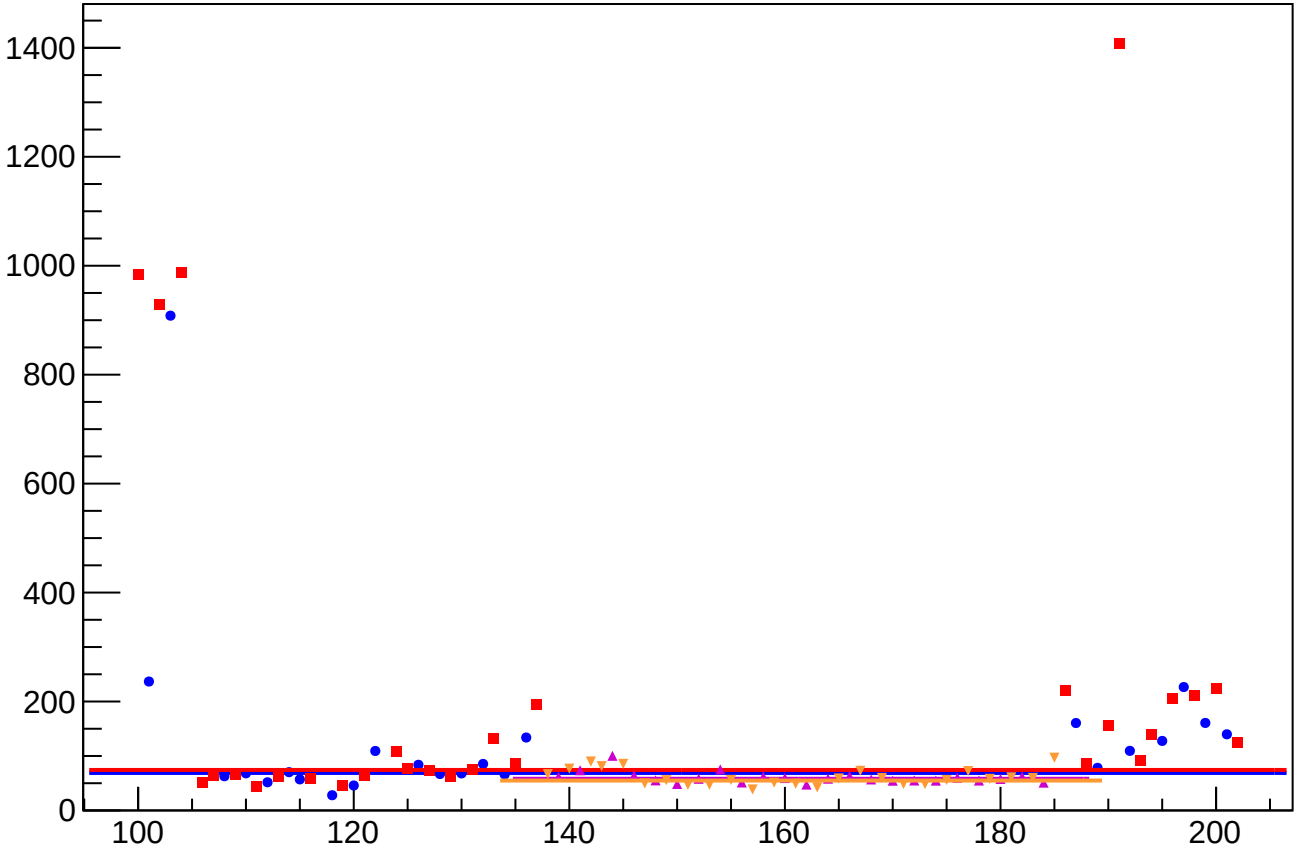
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 49.2/47

All: 0.010+/-0.009 χ^2/NDF: 95.8/99

- sign 0.013+/-0.013 χ^2/NDF: 46.6/51

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.861+/-0.018 χ^2/NDF: 5666295.4/22

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

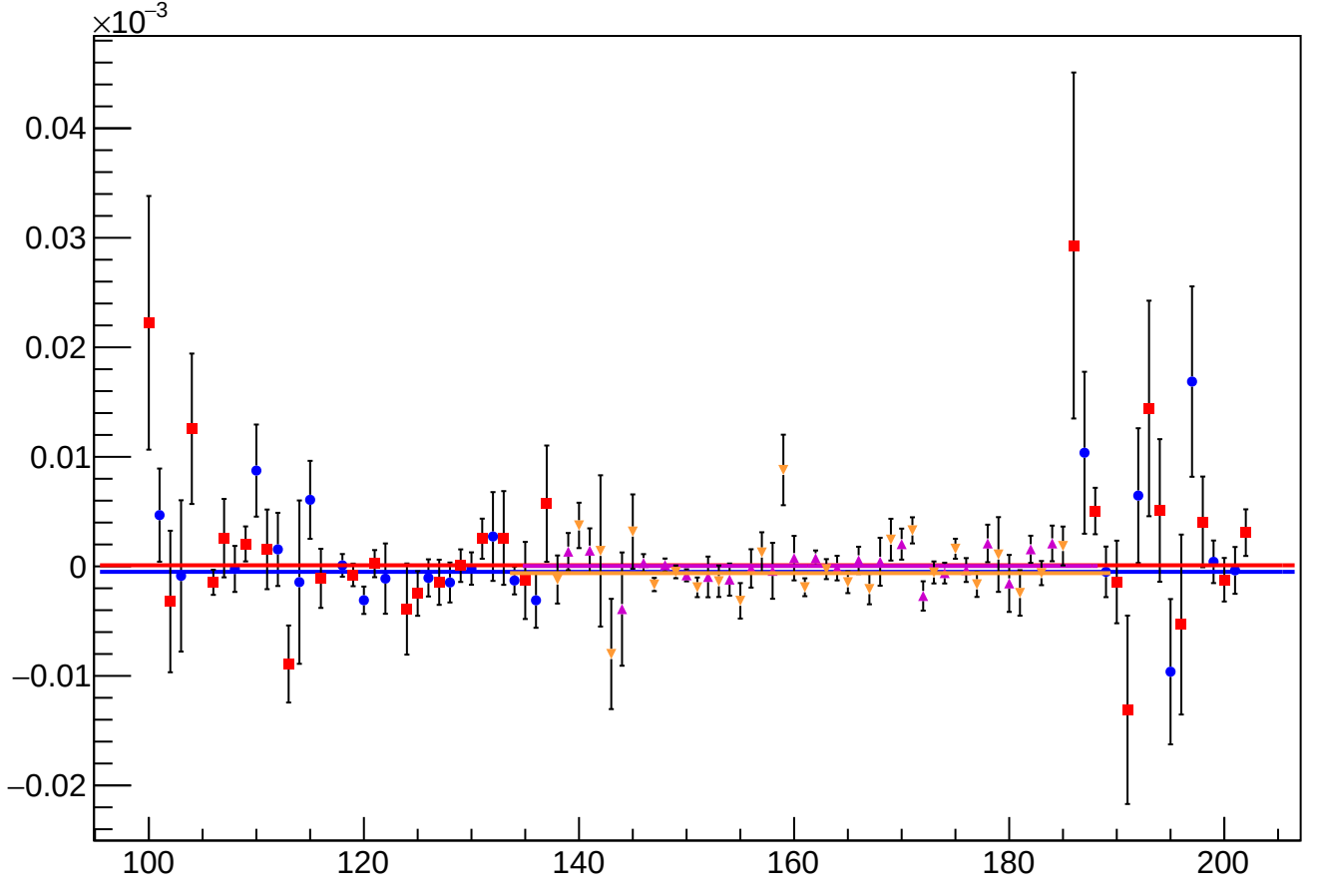
Right Out: 74.343+/-0.018 χ^2/NDF: 6128609.3/28

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.180+/-0.009 χ^2/NDF: 7419606.2/47

All: 60.186+/-0.006 χ^2/NDF: 14933033.8/99

- sign 62.334+/-0.009 χ^2/NDF: 7403979.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.0/28

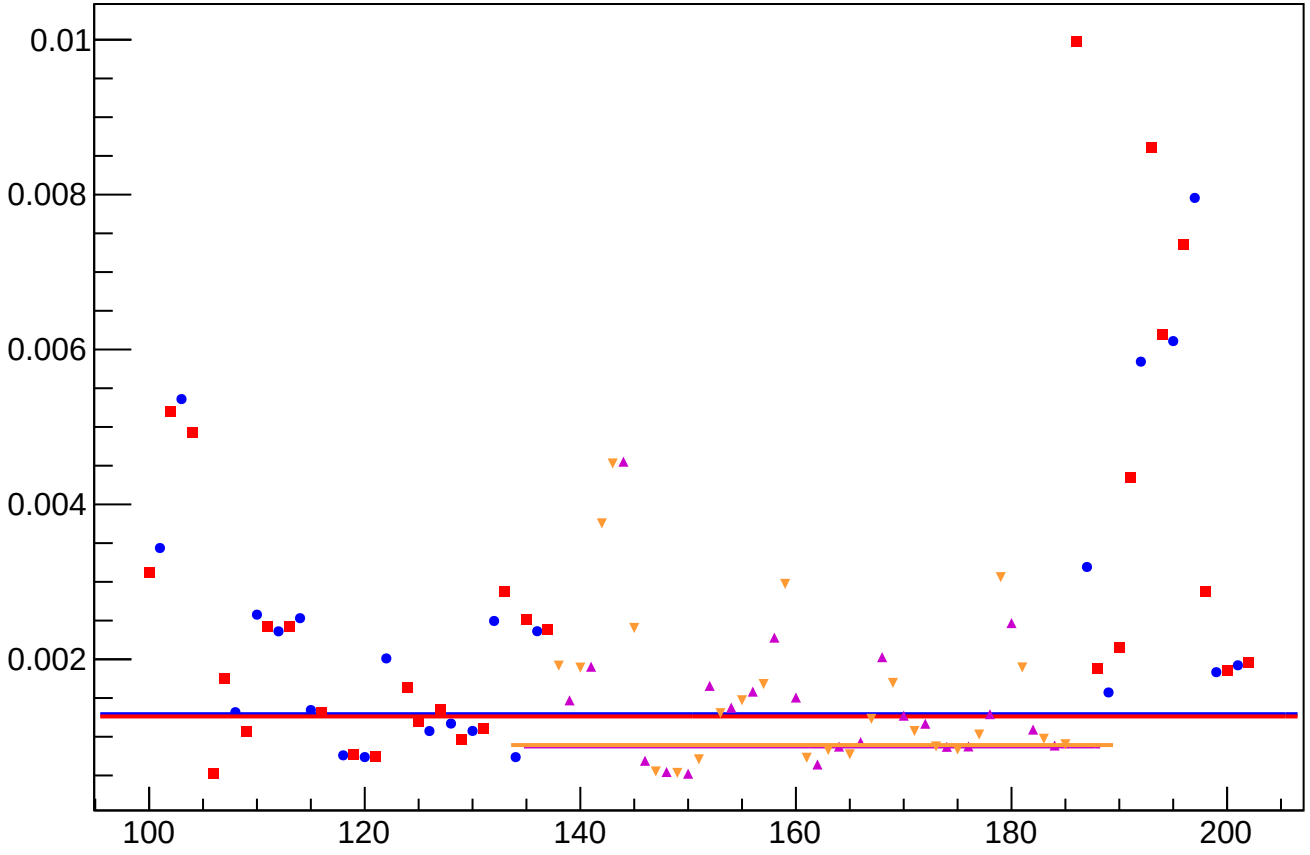
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.7/47

All: -0.000+/-0.000 χ^2/NDF: 145.8/99

- sign 0.000+/-0.000 χ^2/NDF: 61.2/51

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7499248.1/22

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9459567.7/28

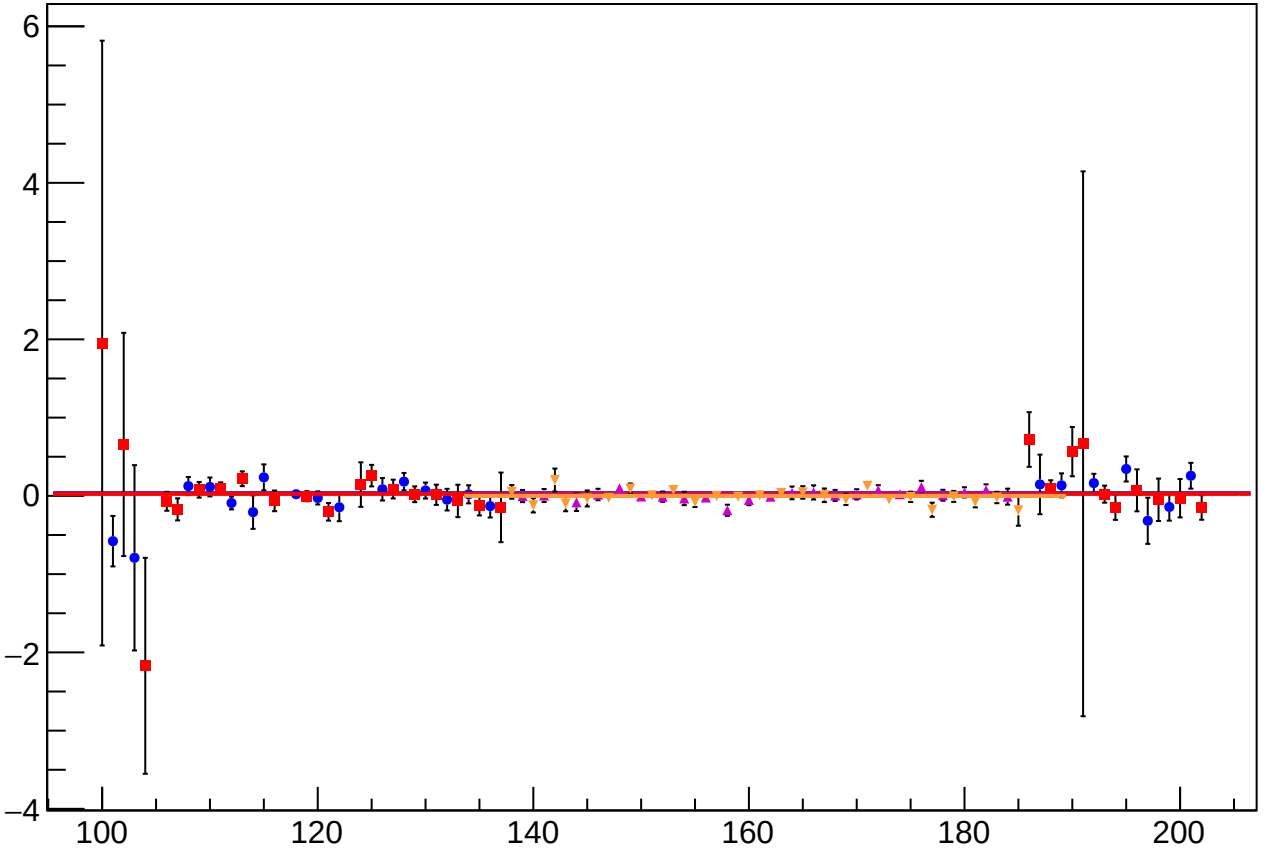
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 16470361.2/47

All: 0.001+/-0.000 χ^2/NDF: 34163813.8/99

- sign 0.001+/-0.000 χ^2/NDF: 17690695.0/51

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.026 χ^2/NDF: 25.2/22

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.025+/-0.025 χ^2/NDF: 30.7/28

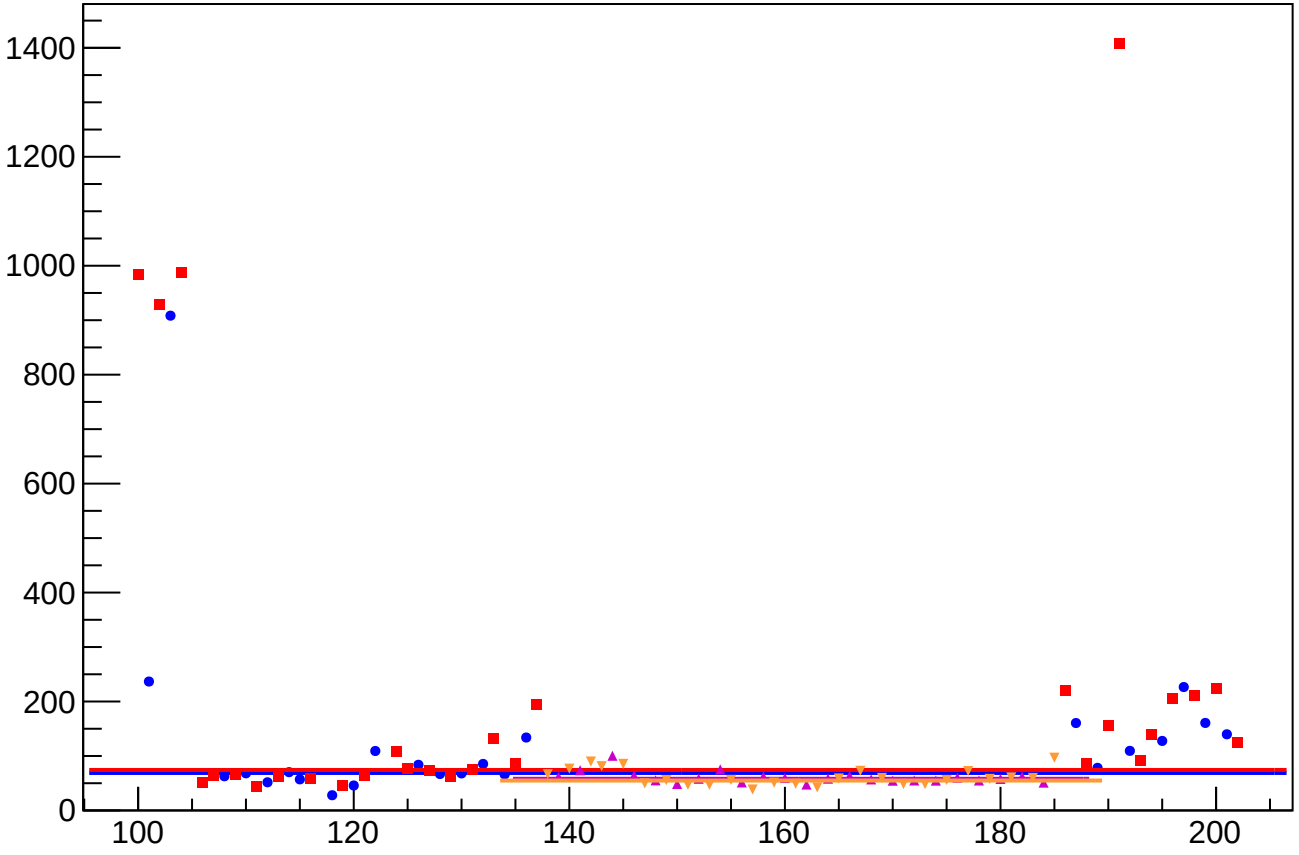
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 49.2/47

All: 0.010+/-0.009 χ^2/NDF: 95.8/99

- sign 0.013+/-0.013 χ^2/NDF: 46.6/51

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.860+/-0.018 χ^2/NDF: 5666424.7/22

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

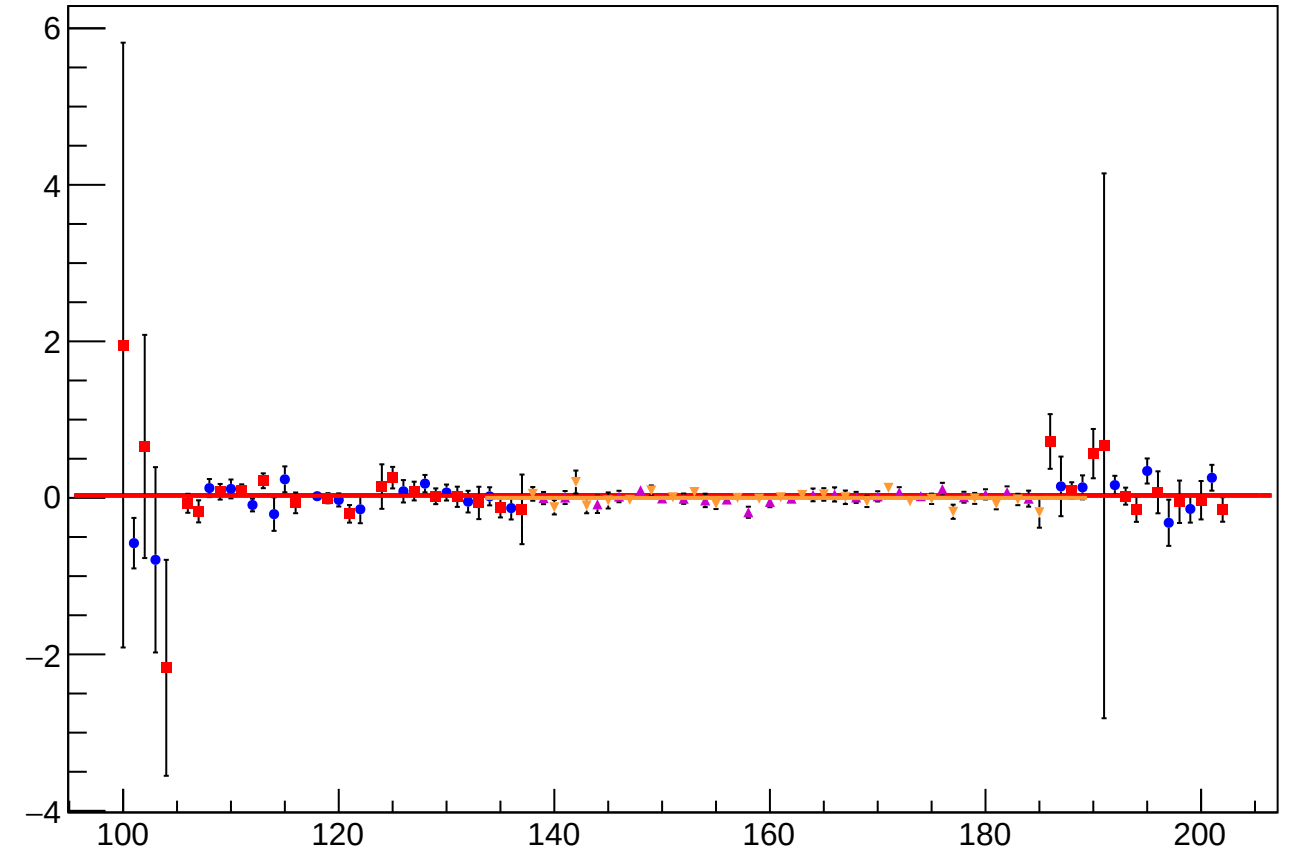
Right Out: 74.342+/-0.018 χ^2/NDF: 6128631.9/28

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.179+/-0.009 χ^2/NDF: 7419786.4/47

All: 60.186+/-0.006 χ^2/NDF: 14933262.8/99

- sign 62.334+/-0.009 χ^2/NDF: 7404001.4/51



Right In: 0.034+/-0.026 χ^2/NDF: 25.2/22

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.025+/-0.025 χ^2/NDF: 30.7/28

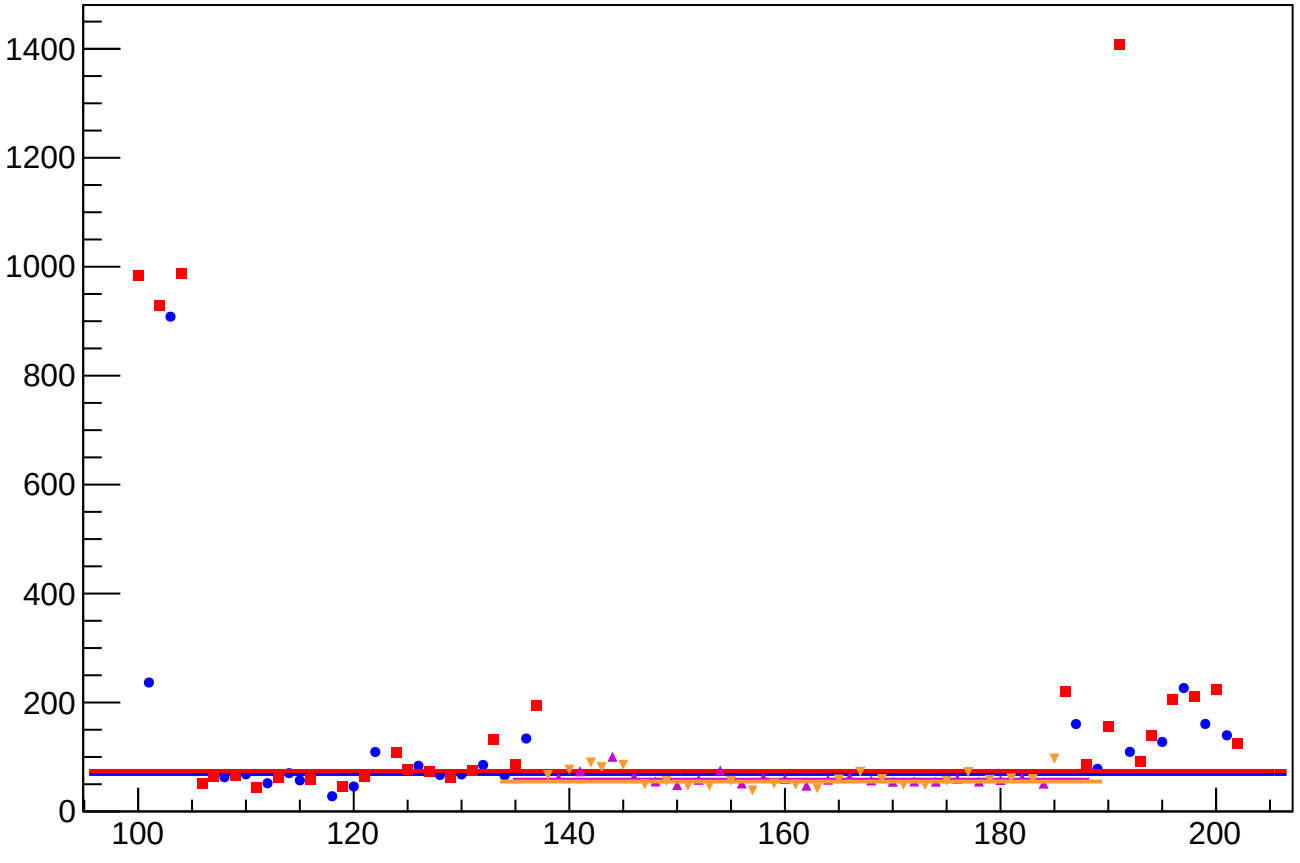
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 49.2/47

All: 0.010+/-0.009 χ^2/NDF: 95.8/99

- sign 0.013+/-0.013 χ^2/NDF: 46.6/51

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.860+/-0.018 χ^2/NDF: 5666424.7/22

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.342+/-0.018 χ^2/NDF: 6128631.9/28

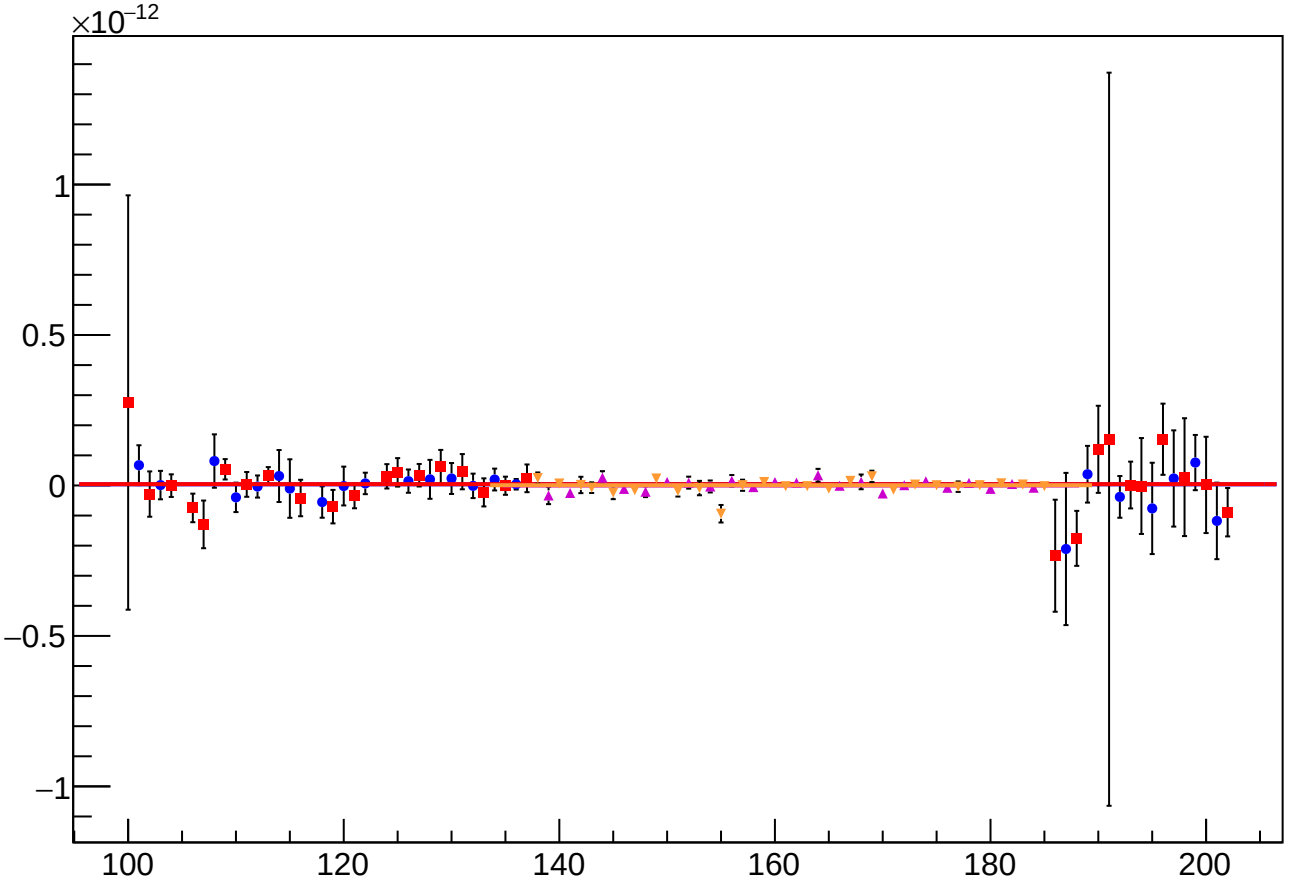
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.179+/-0.009 χ^2/NDF: 7419786.4/47

All: 60.186+/-0.006 χ^2/NDF: 14933262.8/99

- sign 62.334+/-0.009 χ^2/NDF: 7404001.4/51

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/28

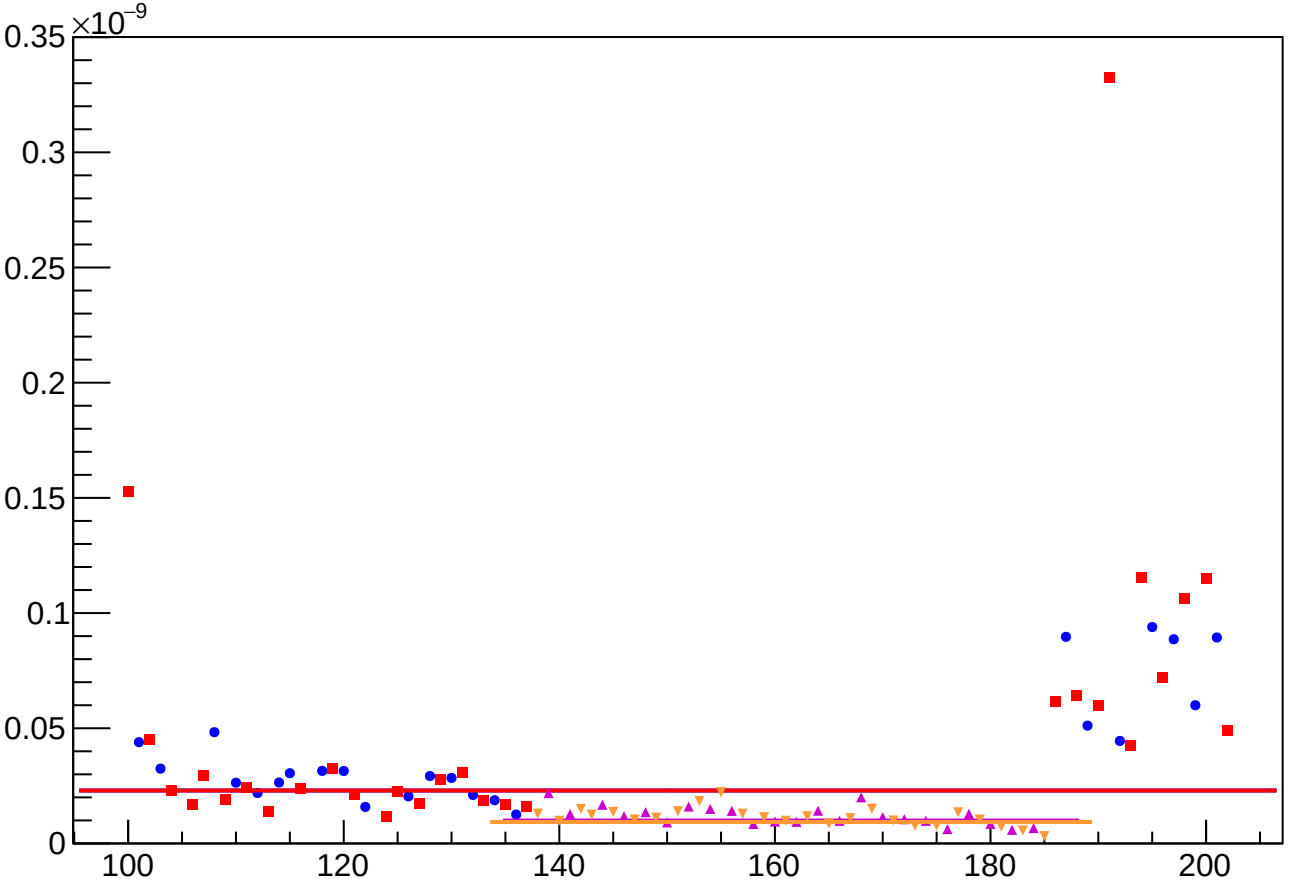
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.9/47

All: 0.000+/-0.000 χ^2/NDF: 78.7/99

- sign 0.000+/-0.000 χ^2/NDF: 45.8/51

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3585454.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4103583.5/28

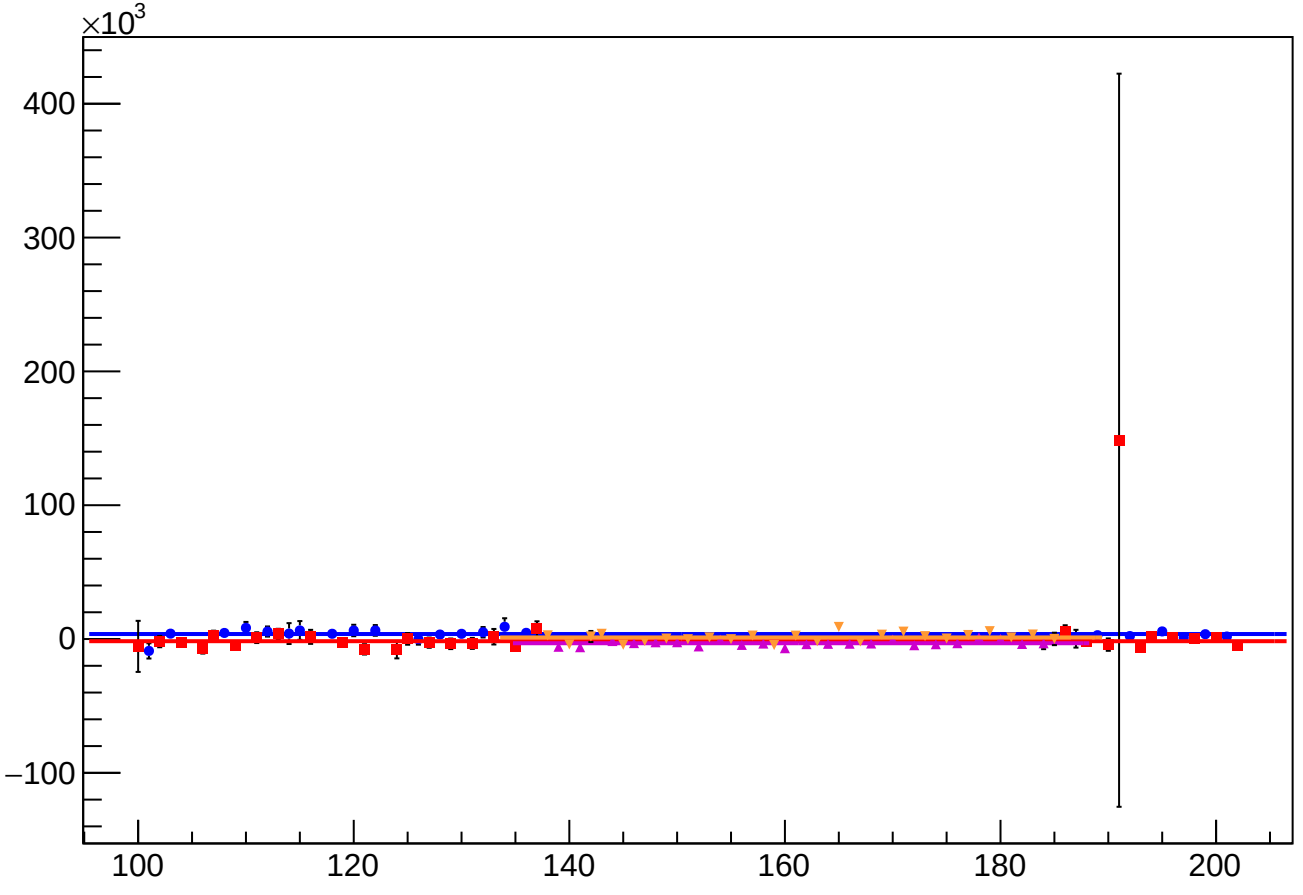
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10158949.6/47

All: 0.000+/-0.000 χ^2/NDF: 20170633.4/99

- sign 0.000+/-0.000 χ^2/NDF: 9941372.3/51

reg_asym_atr2_mean vs Slug



Right In: 3739.006+/-756.689 χ^2/NDF: 11.3/22

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1617.361+/-701.503 χ^2/NDF: 25.5/28

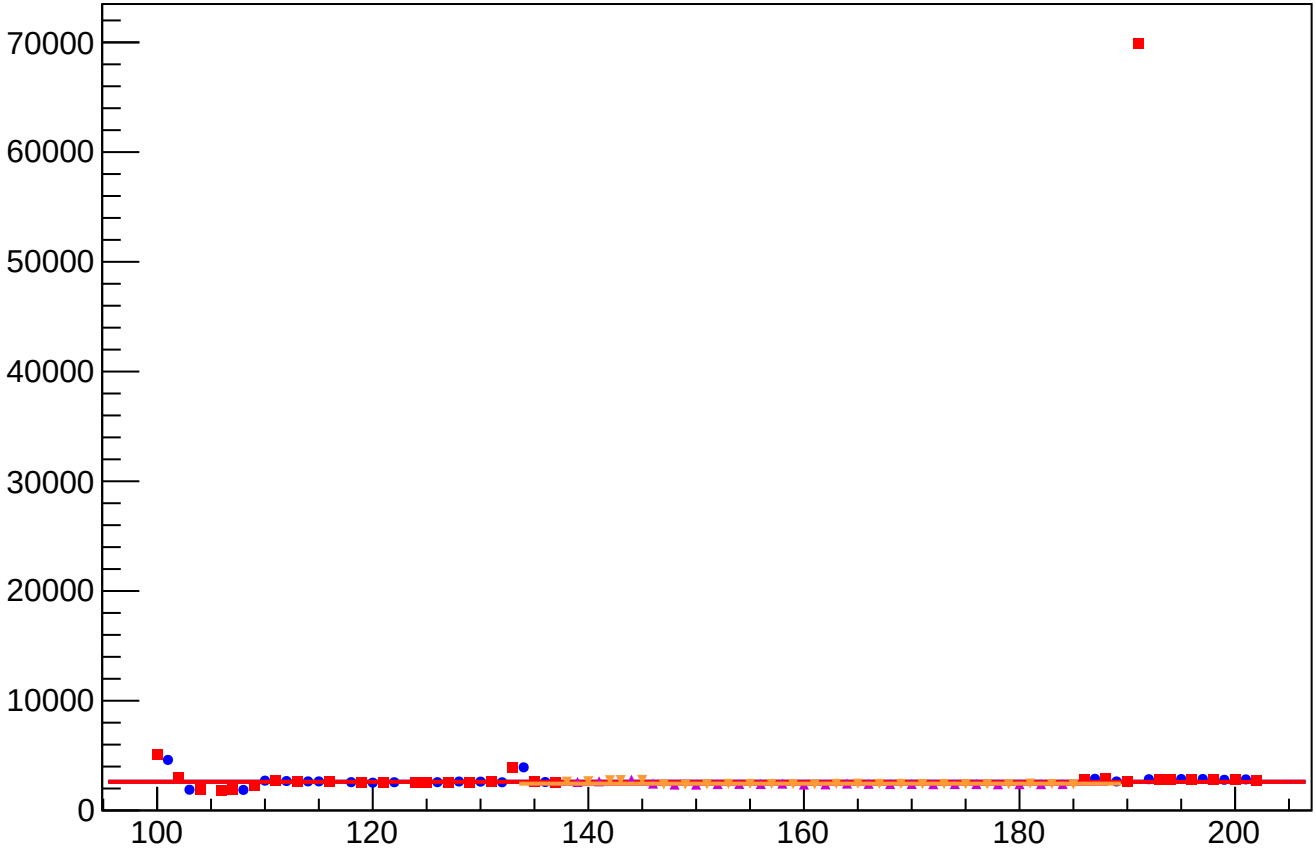
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2083.450+/-448.178 χ^2/NDF: 49.8/47

All: -260.281+/-314.707 χ^2/NDF: 144.8/99

- sign -2539.961+/-442.012 χ^2/NDF: 41.0/51

reg_asym_atr2_rms vs Slug



Right In: 2622.569+/-0.535 χ^2/NDF: 695735.9/22

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2608.094+/-0.496 χ^2/NDF: 726090.9/28

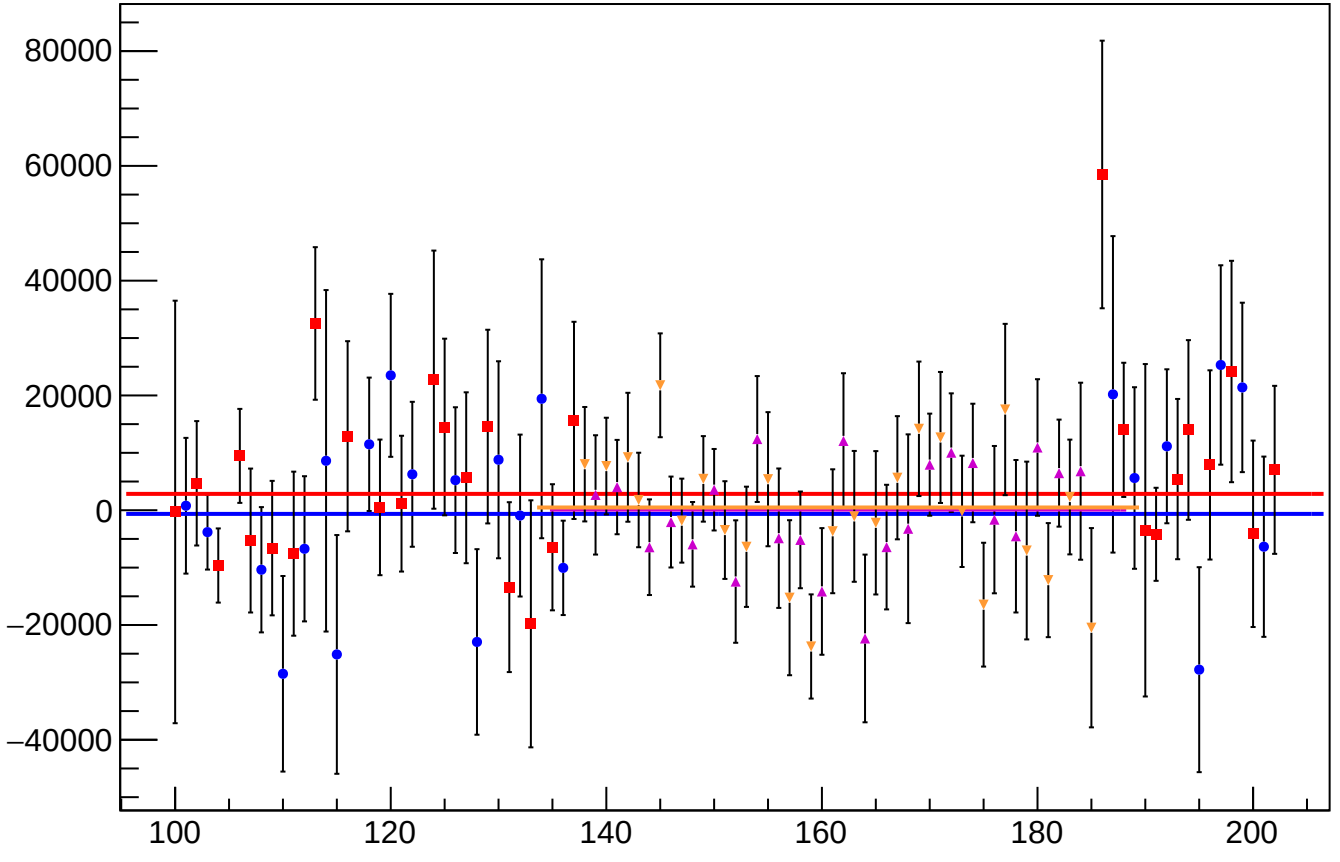
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2507.828+/-0.317 χ^2/NDF: 856587.2/47

All: 2506.037+/-0.223 χ^2/NDF: 1714551.6/99

- sign 2504.294+/-0.313 χ^2/NDF: 857901.4/51

asym_atr2_reg_correction_mean vs Slug



Right In: -640.339+/-2755.775 χ^2/NDF: 22.5/22

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2847.748+/-2407.872 χ^2/NDF: 26.4/28

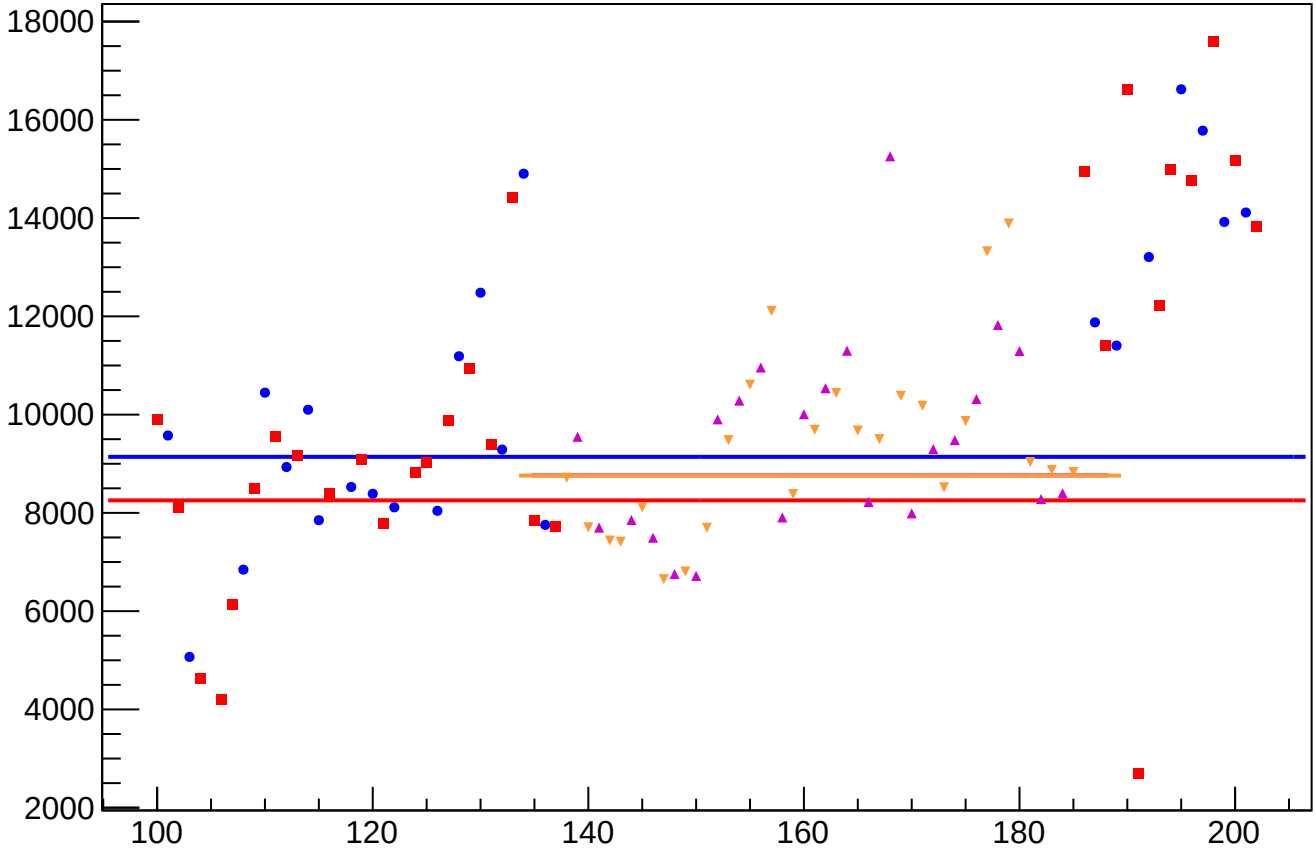
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 82.592+/-1637.535 χ^2/NDF: 50.0/47

All: 705.277+/-1136.557 χ^2/NDF: 92.0/99

- sign 1284.055+/-1578.746 χ^2/NDF: 41.7/51

asym_atr2_reg_correction_rms vs Slug



Right In: 9141.009+/-1.949 χ^2/NDF: 2505975.1/22

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8254.456+/-1.703 χ^2/NDF: 4863892.4/28

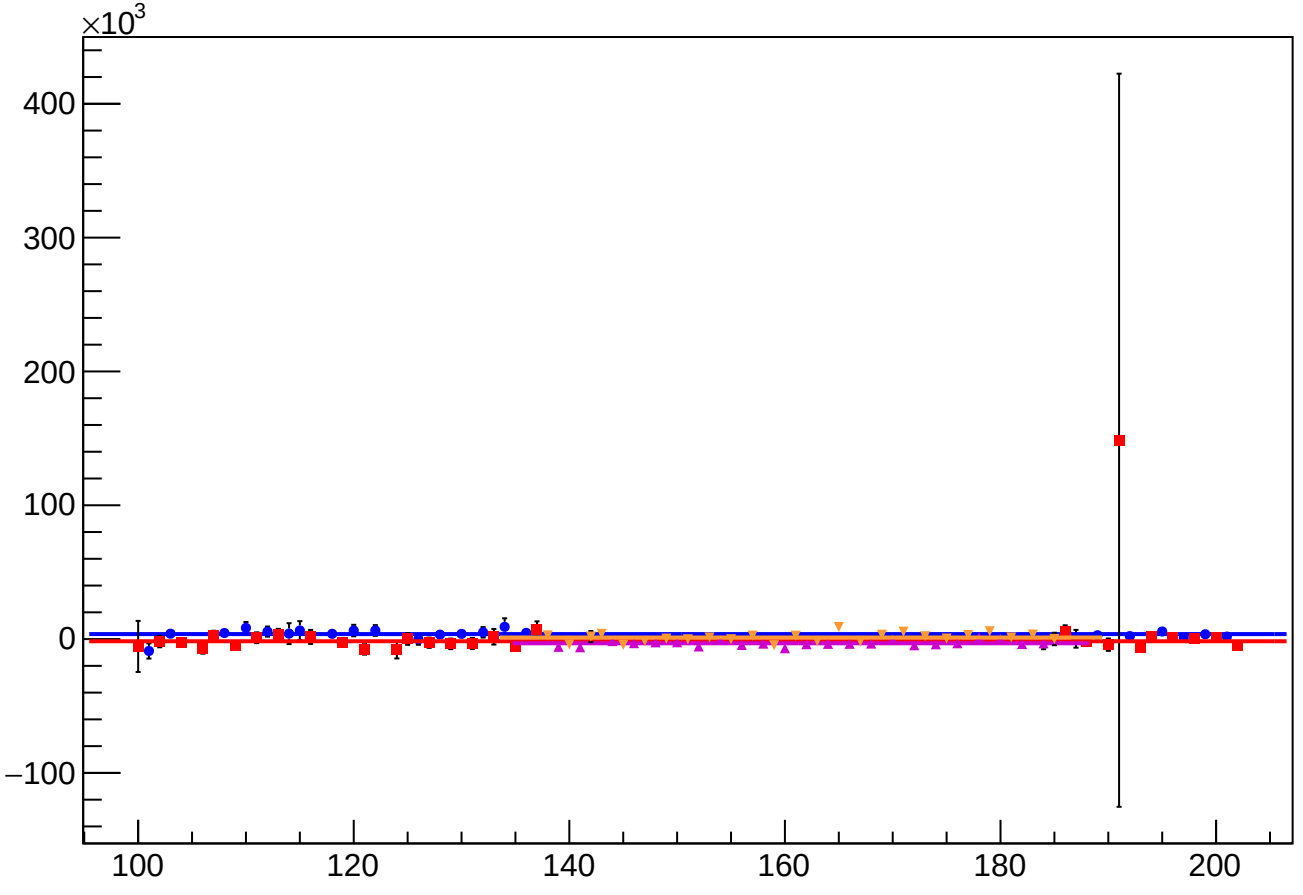
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8894.297+/-1.158 χ^2/NDF: 3752992.1/47

All: 8713.281+/-0.804 χ^2/NDF: 10006826.2/9

- sign 8545.030+/-1.116 χ^2/NDF: 6206679.7/51

cor_asym_atr2_mean vs Slug



Right In: 3738.807+/-756.689 χ^2/NDF: 11.3/22

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1617.722+/-701.506 χ^2/NDF: 25.5/28

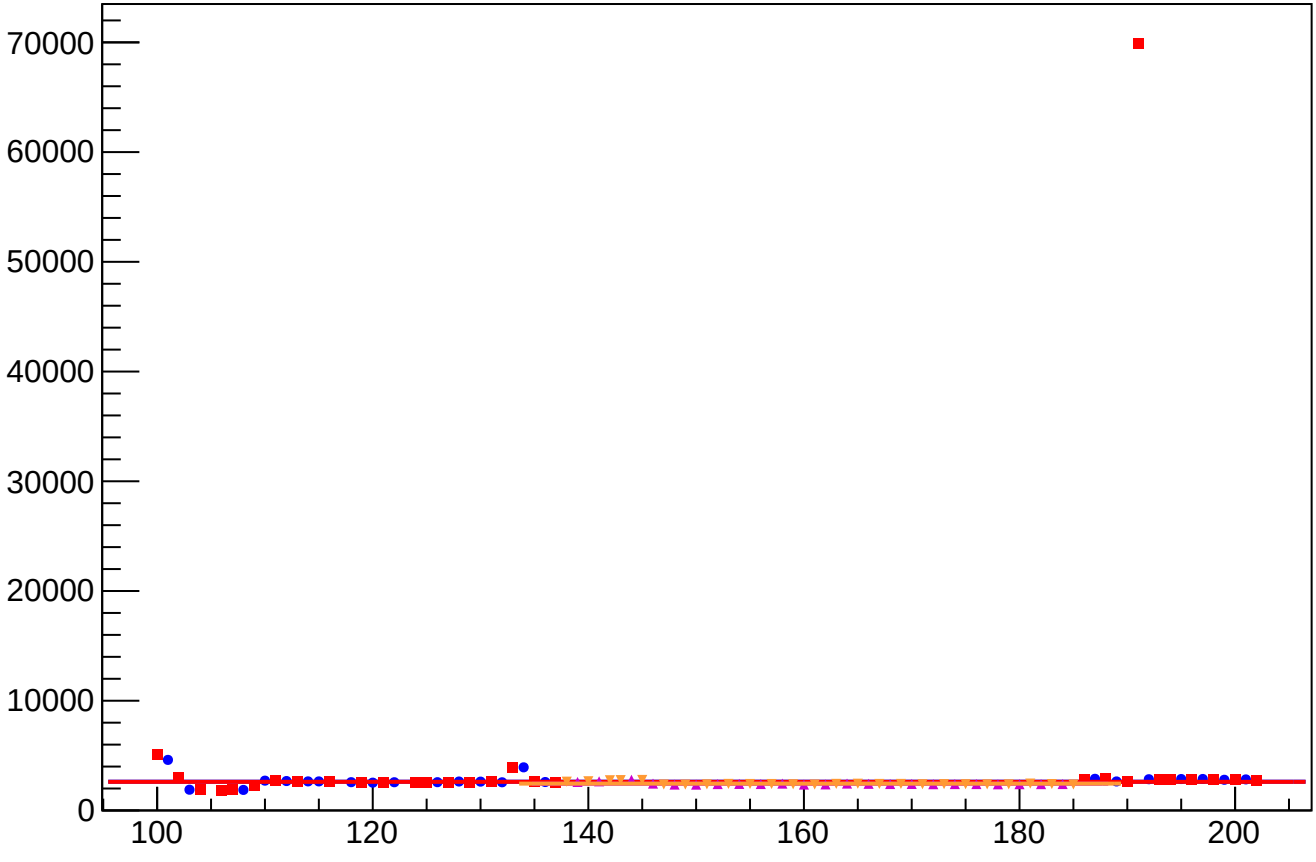
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2083.270+/-448.178 χ^2/NDF: 49.8/47

All: -260.380+/-314.707 χ^2/NDF: 144.8/99

- sign -2539.989+/-442.013 χ^2/NDF: 41.0/51

cor_asym_atr2_rms vs Slug



Right In: 2622.570+/-0.535 χ^2/NDF: 695733.2/22

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2608.109+/-0.496 χ^2/NDF: 726017.5/28

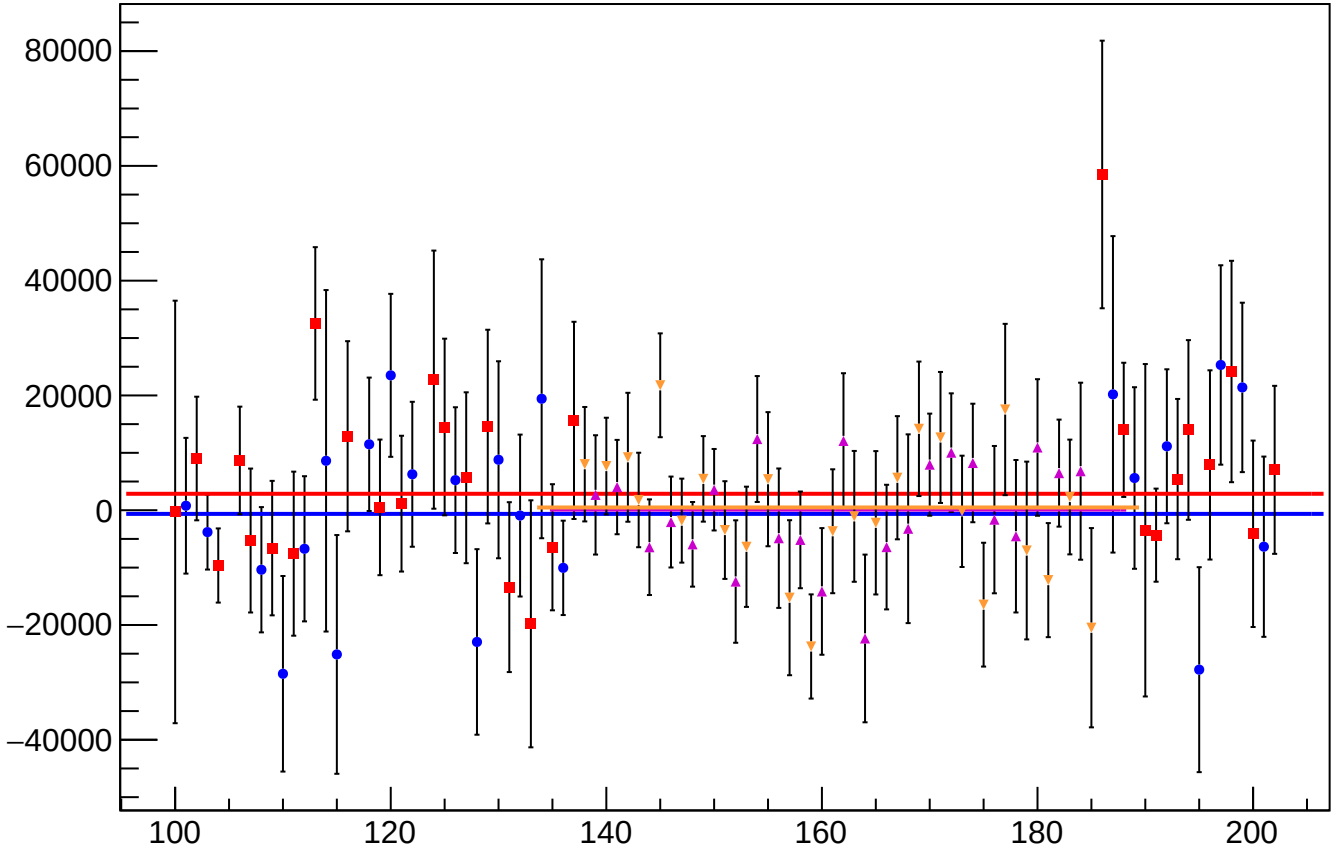
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2507.828+/-0.317 χ^2/NDF: 856584.9/47

All: 2506.040+/-0.223 χ^2/NDF: 1714488.4/99

- sign 2504.300+/-0.313 χ^2/NDF: 857840.6/51

asym_atr2_cor_correction_mean vs Slug



Right In: -639.999+/-2755.838 χ^2/NDF: 22.5/22

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2864.361+/-2432.348 χ^2/NDF: 26.5/28

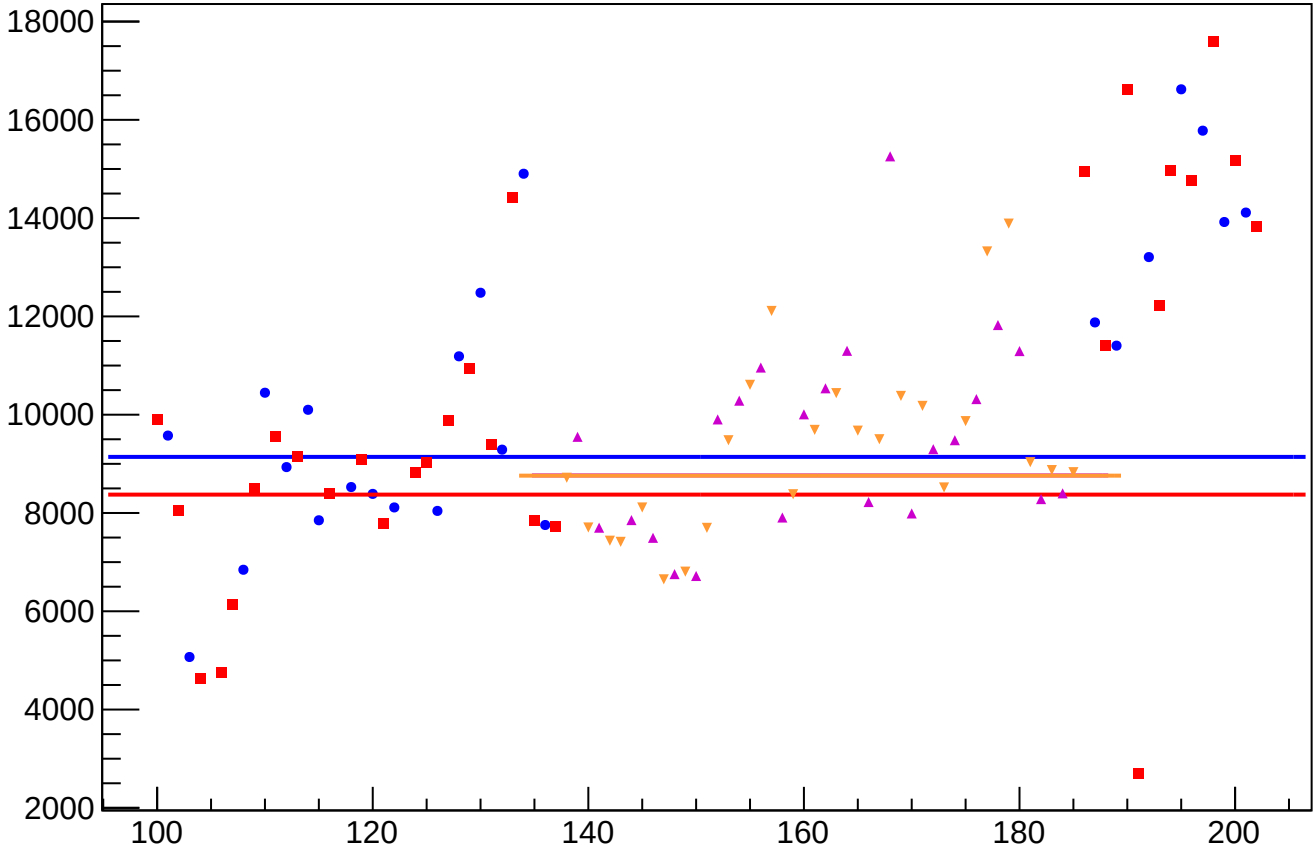
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 82.732+/-1637.548 χ^2/NDF: 50.0/47

All: 699.412+/-1139.105 χ^2/NDF: 92.0/99

- sign 1277.577+/-1585.585 χ^2/NDF: 41.7/51

asym_atr2_cor_correction_rms vs Slug



Right In: 9141.323+/-1.949 χ^2/NDF: 2505501.7/22

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8373.820+/-1.720 χ^2/NDF: 4645121.0/28

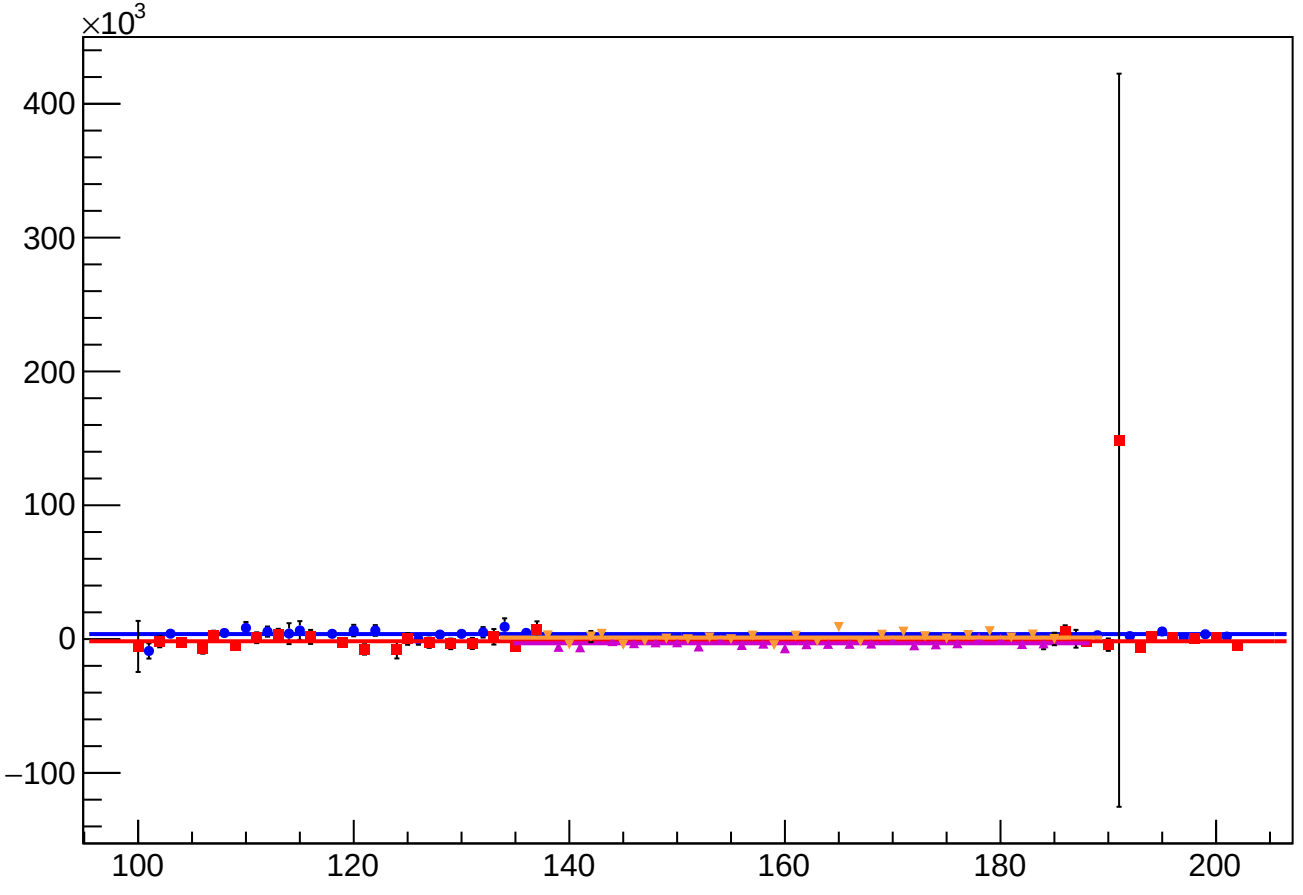
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8894.397+/-1.158 χ^2/NDF: 3752570.9/47

All: 8741.562+/-0.805 χ^2/NDF: 9752762.7/99

- sign 8598.273+/-1.121 χ^2/NDF: 5966436.8/51

eigen_cor_asym_atr2_mean vs Slug



Right In: 3738.807+/-756.689 χ^2/NDF: 11.3/22

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1617.722+/-701.506 χ^2/NDF: 25.5/28

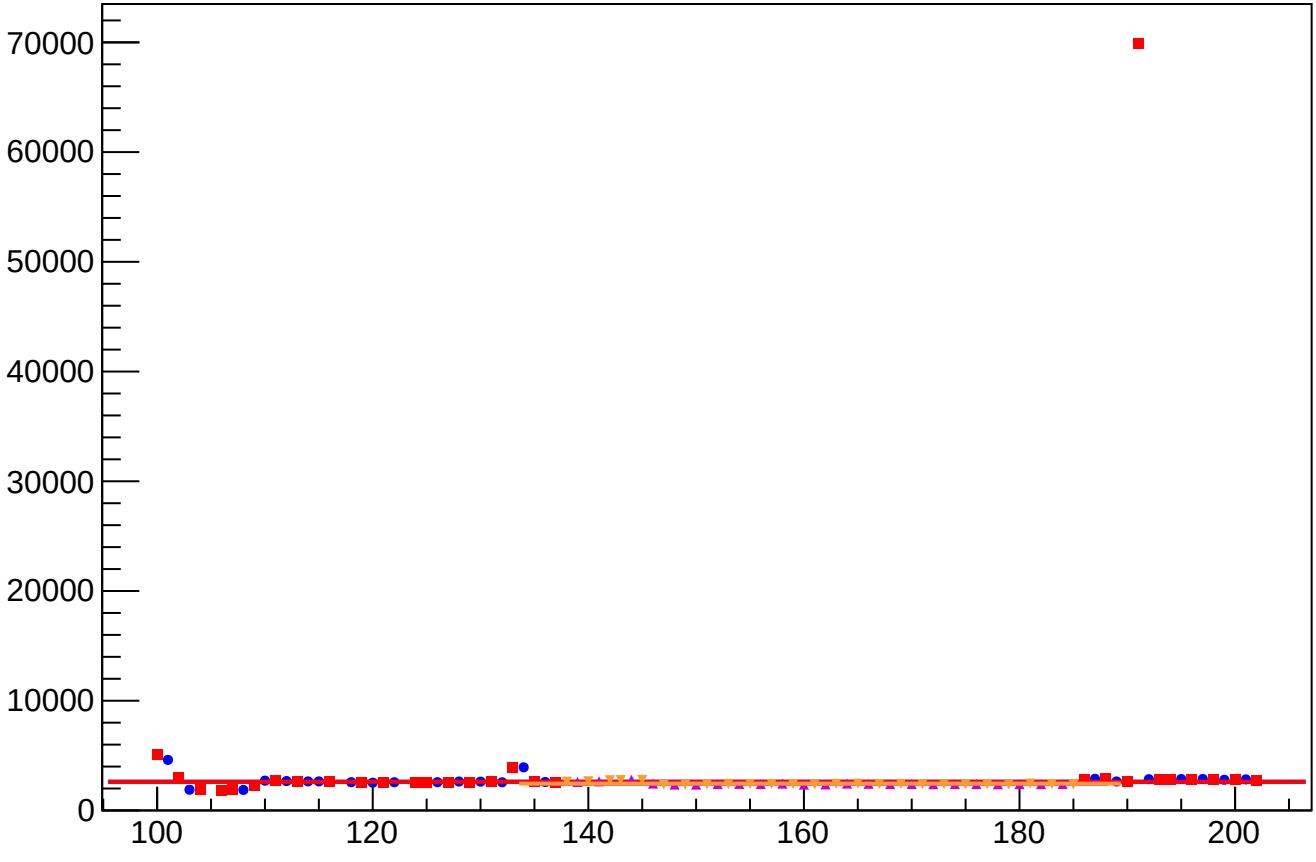
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2083.270+/-448.178 χ^2/NDF: 49.8/47

All: -260.380+/-314.707 χ^2/NDF: 144.8/99

- sign -2539.989+/-442.013 χ^2/NDF: 41.0/51

eigen_cor_asym_atr2_rms vs Slug



Right In: 2622.570+/-0.535 χ^2/NDF: 695733.2/22

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2608.109+/-0.496 χ^2/NDF: 726017.5/28

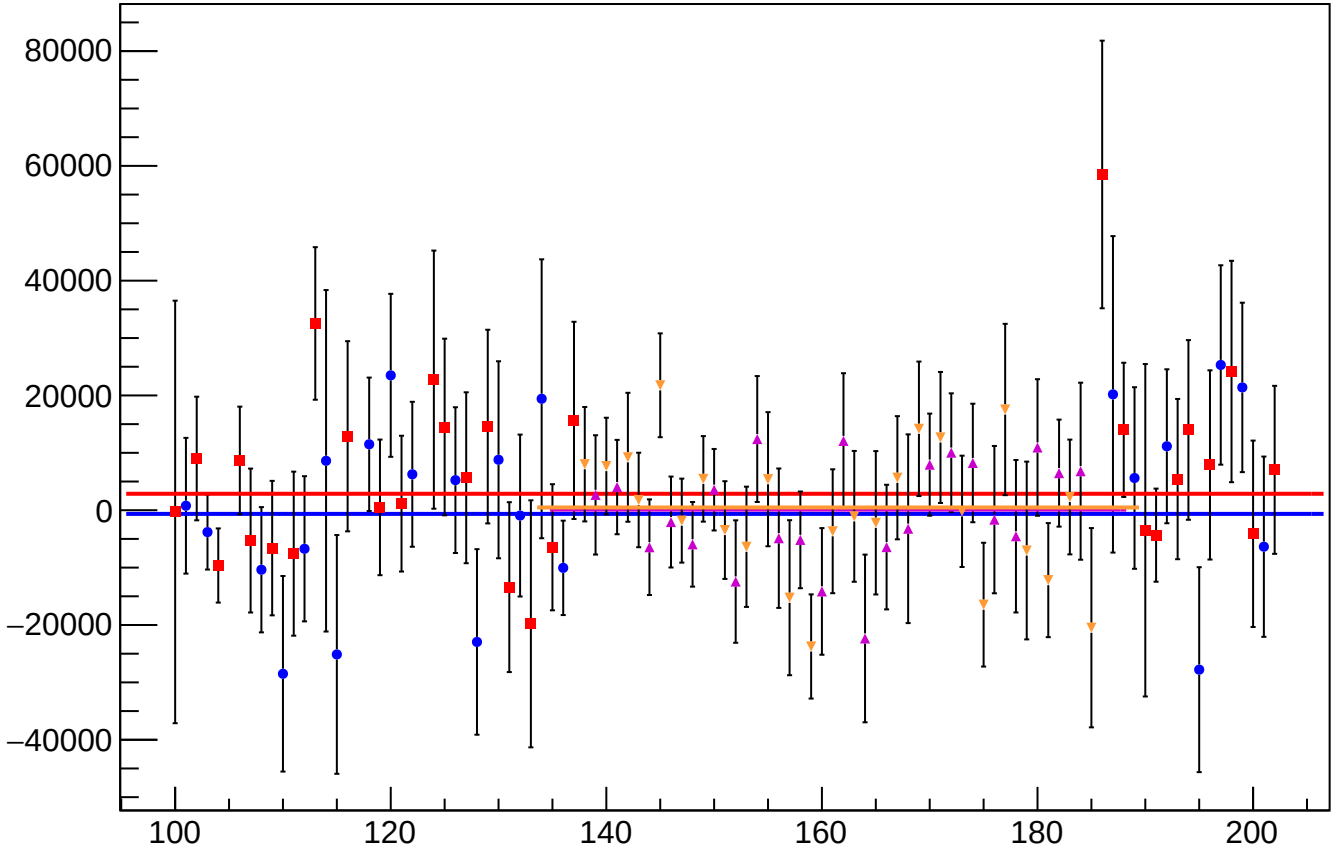
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2507.828+/-0.317 χ^2/NDF: 856584.9/47

All: 2506.040+/-0.223 χ^2/NDF: 1714488.4/99

- sign 2504.300+/-0.313 χ^2/NDF: 857840.6/51

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -639.999+/-2755.838 χ^2/NDF: 22.5/22

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2864.361+/-2432.348 χ^2/NDF: 26.5/28

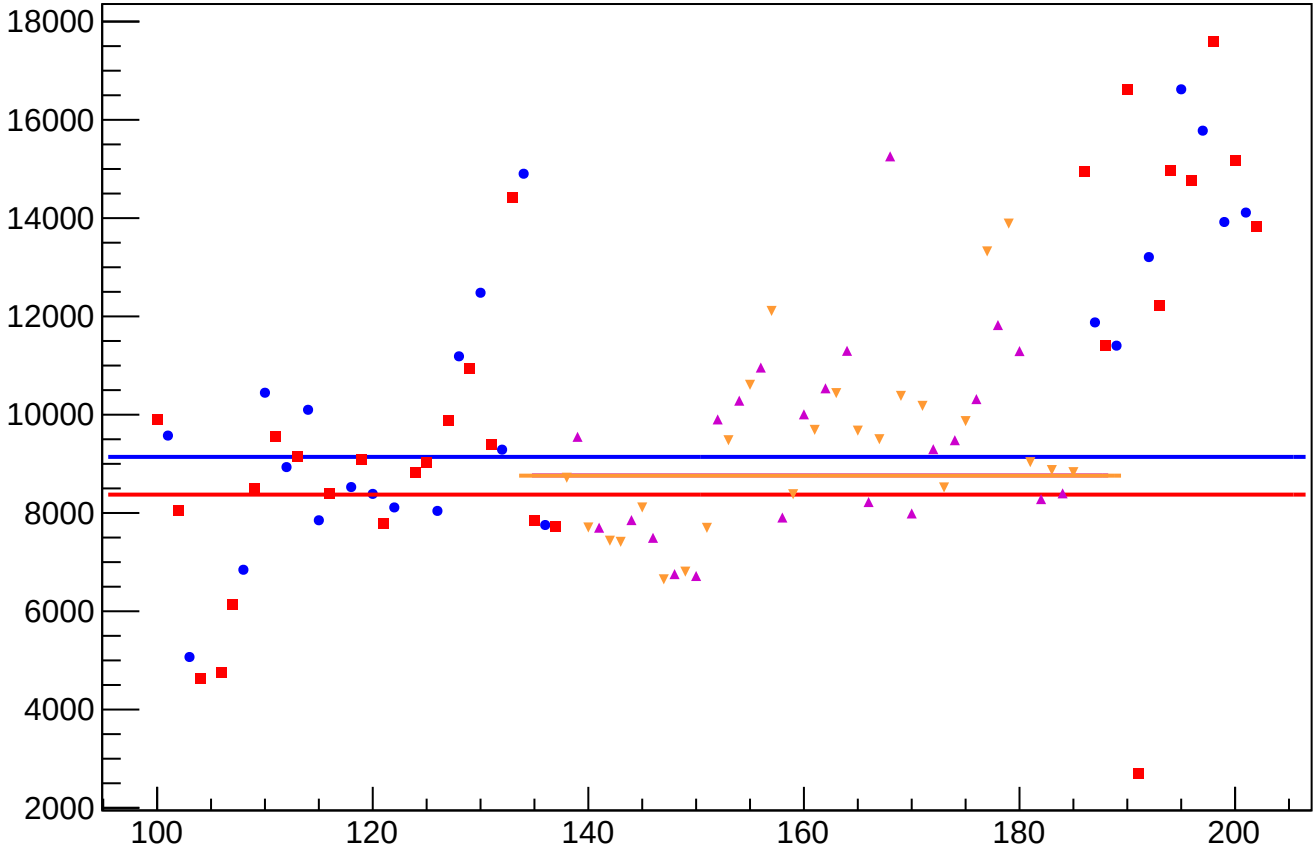
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 82.732+/-1637.548 χ^2/NDF: 50.0/47

All: 699.412+/-1139.105 χ^2/NDF: 92.0/99

- sign 1277.577+/-1585.585 χ^2/NDF: 41.7/51

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 9141.323+/-1.949 χ^2/NDF: 2505501.7/22

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8373.820+/-1.720 χ^2/NDF: 4645121.0/28

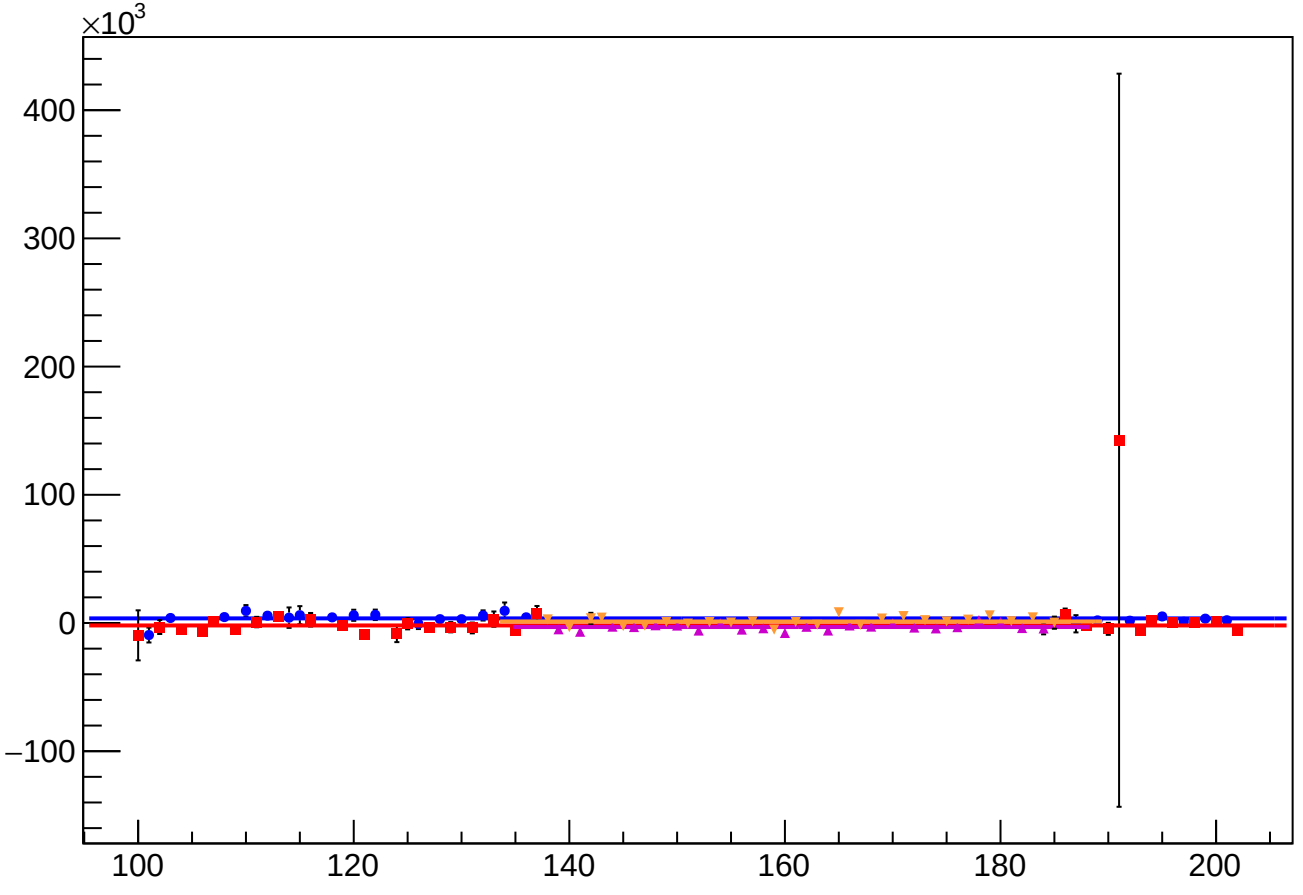
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8894.397+/-1.158 χ^2/NDF: 3752570.9/47

All: 8741.562+/-0.805 χ^2/NDF: 9752762.7/99

- sign 8598.273+/-1.121 χ^2/NDF: 5966436.8/51

dit_asym_atr2_mean vs Slug



Right In: 3600.310+/-782.725 χ^2/NDF: 12.5/22

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1917.919+/-727.163 χ^2/NDF: 29.5/28

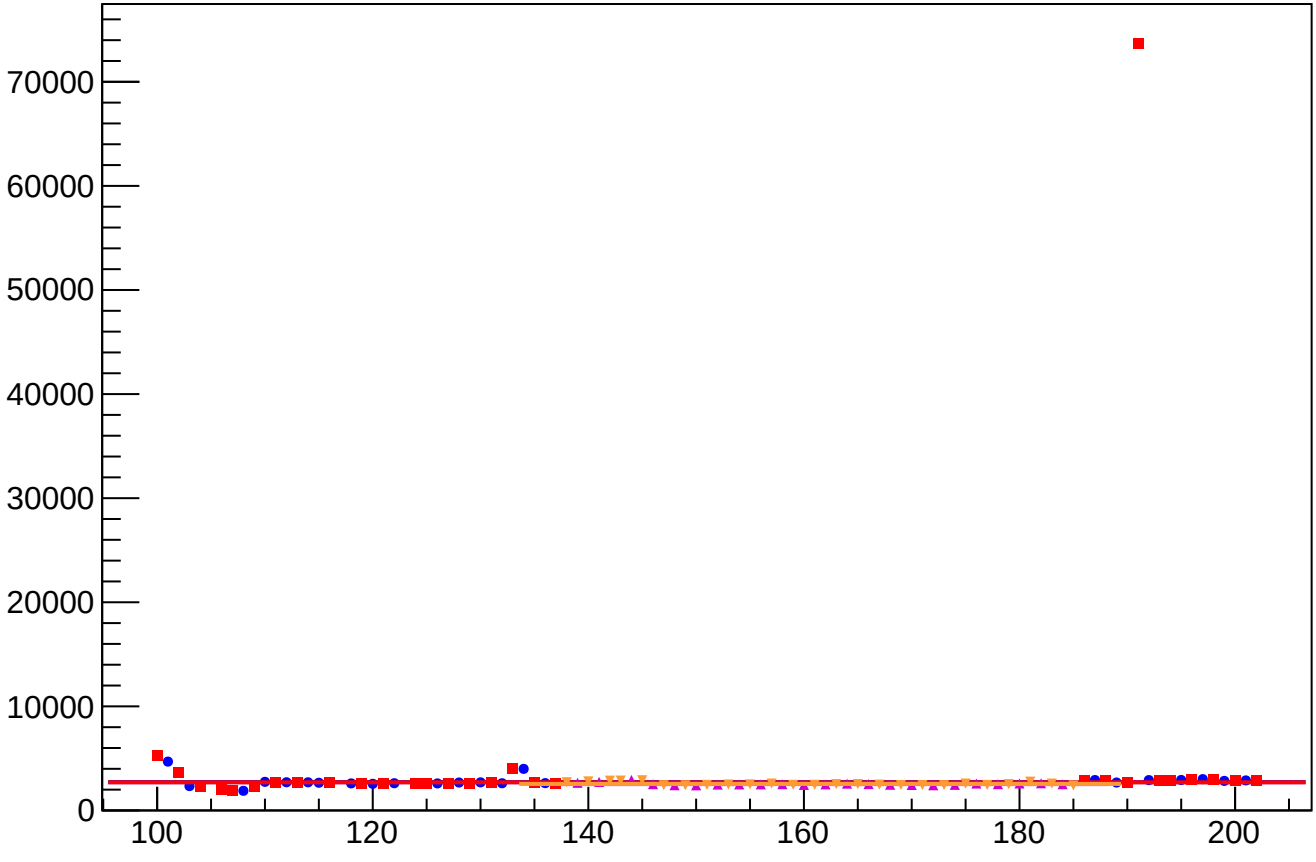
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2059.184+/-465.846 χ^2/NDF: 45.3/47

All: -334.032+/-327.009 χ^2/NDF: 145.1/99

- sign -2658.932+/-459.149 χ^2/NDF: 47.7/51

dit_asym_atr2_rms vs Slug



Right In: 2720.431+/-0.553 χ^2/NDF: 549572.0/22

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2702.803+/-0.514 χ^2/NDF: 632515.2/28

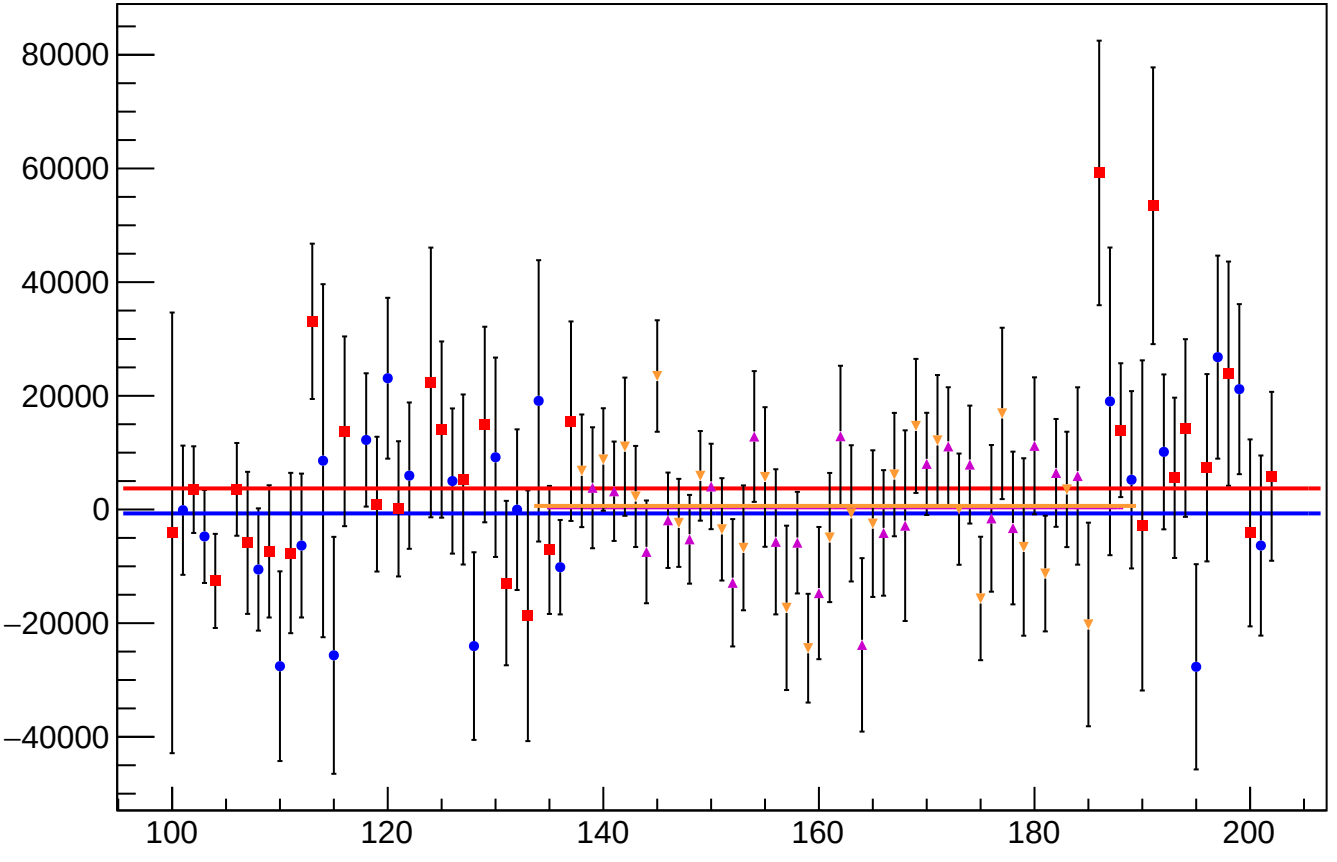
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2608.531+/-0.329 χ^2/NDF: 730167.2/47

All: 2604.503+/-0.231 χ^2/NDF: 1497197.4/99

- sign 2600.590+/-0.325 χ^2/NDF: 766735.3/51

asym_atr2_dit_correction_mean vs Slug



Right In: -691.564+/-2857.479 χ^2/NDF: 22.3/22

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

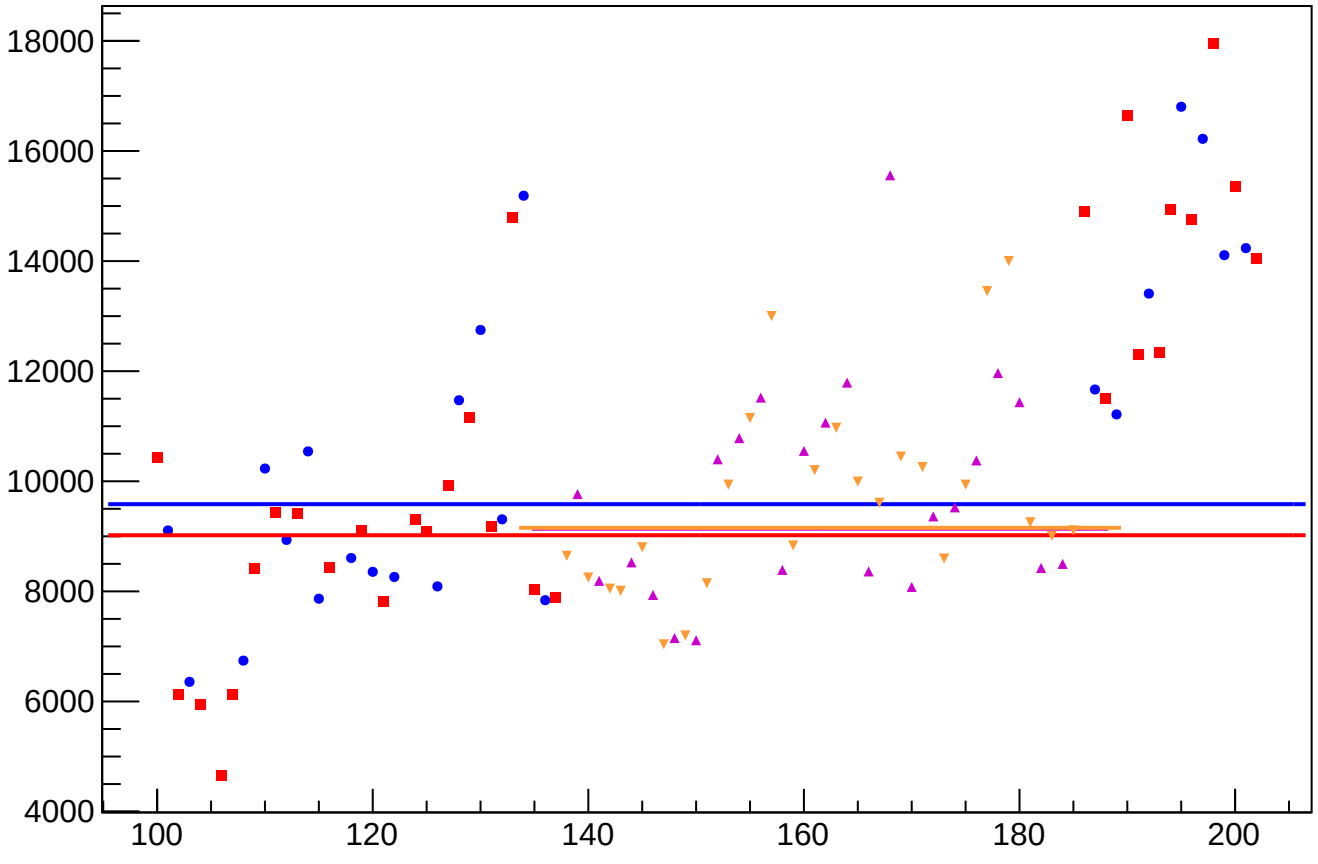
Right Out: 3704.845+/-2526.268 χ^2/NDF: 28.9/28

Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 160.810+/-1704.191 χ^2/NDF: 49.1/47

All: 1004.963+/-1184.999 χ^2/NDF: 93.8/99

- sign 1795.191+/-1648.861 χ^2/NDF: 44.2/51



Right In: 9584.169+/-2.021 χ^2/NDF: 1980650.8/22

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9019.841+/-1.786 χ^2/NDF: 3444622.7/28

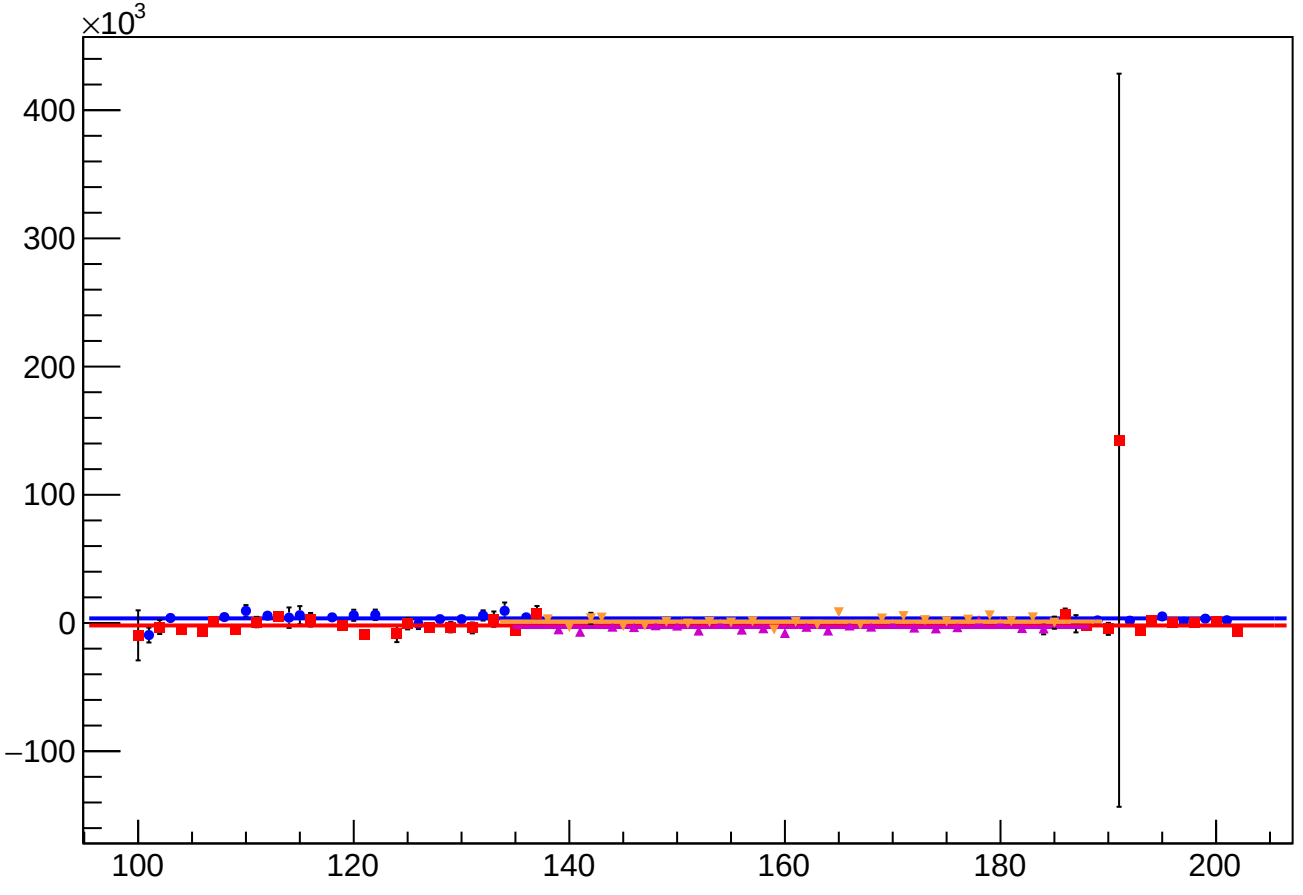
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

\+ sign 9307.450+/-1.205 χ^2/NDF: 3081835.0/47

All: 9193.806+/-0.838 χ^2/NDF: 7718962.7/99

\- sign 9087.421+/-1.166 χ^2/NDF: 4619908.3/51

eigen_dit_asym_atr2_mean vs Slug



Right In: 3600.314+/-782.725 χ^2/NDF: 12.5/22

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1917.922+/-727.163 χ^2/NDF: 29.5/28

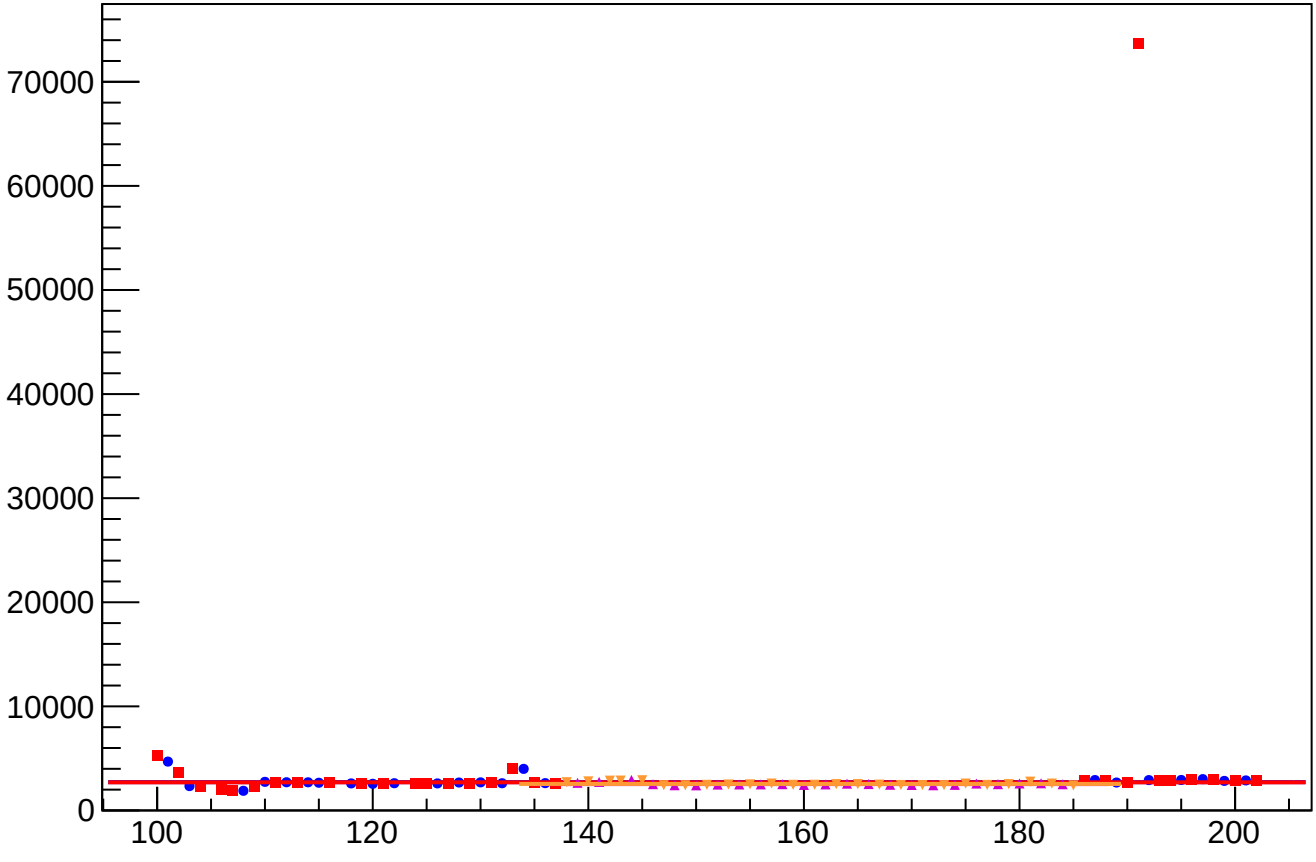
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2059.179+/-465.846 χ^2/NDF: 45.3/47

All: -334.034+/-327.009 χ^2/NDF: 145.1/99

- sign -2658.932+/-459.149 χ^2/NDF: 47.7/51

eigen_dit_asym_atr2_rms vs Slug



Right In: 2720.431+/-0.553 χ^2/NDF: 549572.5/22

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2702.803+/-0.514 χ^2/NDF: 632515.1/28

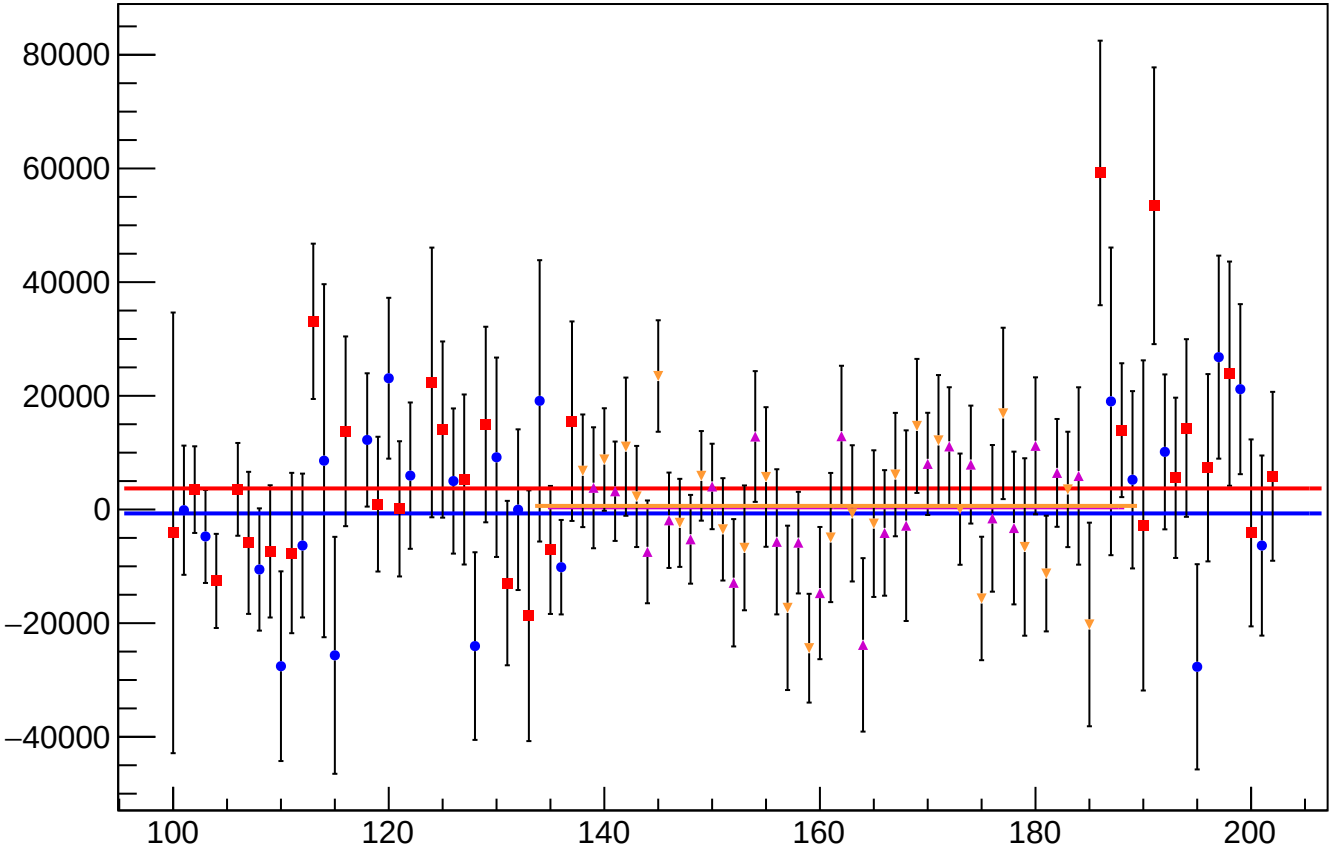
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2608.532+/-0.329 χ^2/NDF: 730166.0/47

All: 2604.504+/-0.231 χ^2/NDF: 1497194.5/99

- sign 2600.591+/-0.325 χ^2/NDF: 766733.6/51

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -691.542+/-2857.477 χ^2/NDF: 22.3/22

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 3704.834+/-2526.265 χ^2/NDF: 28.9/28

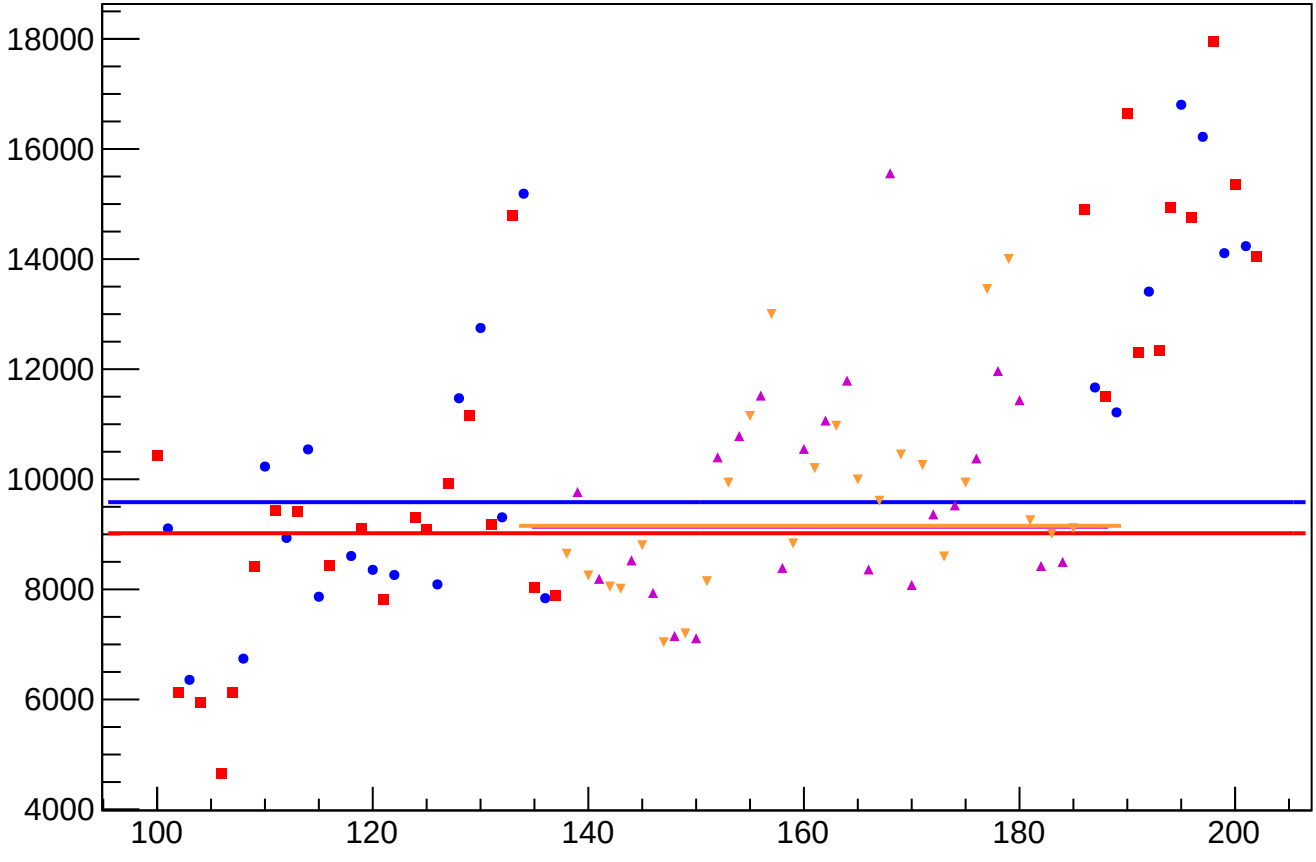
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign 160.814+/-1704.193 χ^2/NDF: 49.1/47

All: 1004.966+/-1185.000 χ^2/NDF: 93.8/99

- sign 1795.193+/-1648.862 χ^2/NDF: 44.2/51

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 9584.160+/-2.021 χ^2/NDF: 1980657.4/22

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9019.830+/-1.786 χ^2/NDF: 3444634.5/28

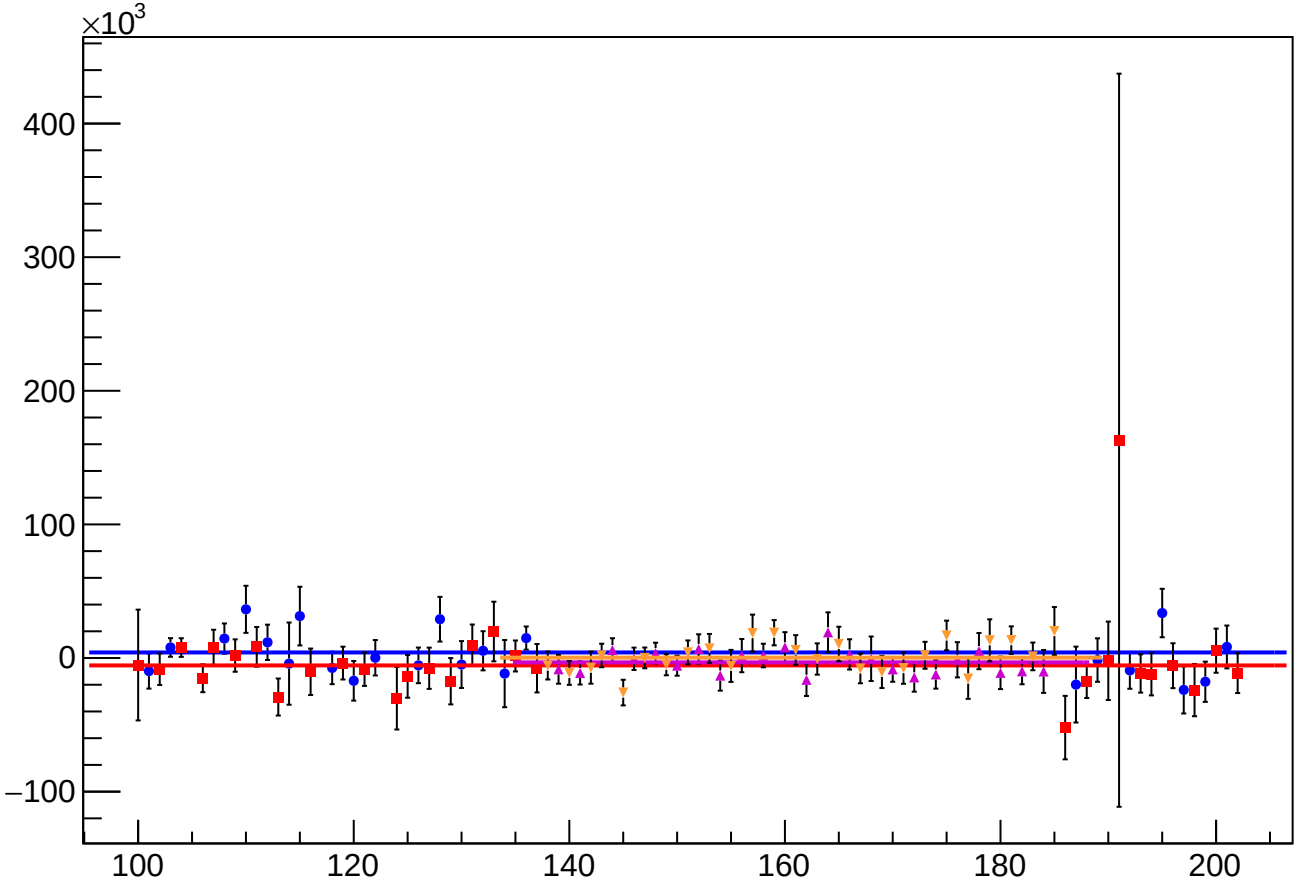
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9307.457+/-1.205 χ^2/NDF: 3081840.4/47

All: 9193.810+/-0.838 χ^2/NDF: 7718985.5/99

- sign 9087.424+/-1.166 χ^2/NDF: 4619925.0/51

asym_atr2_mean vs Slug



Right In: 4173.553+/-2884.888 χ^2/NDF: 24.7/22

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -5537.626+/-2681.330 χ^2/NDF: 21.6/28

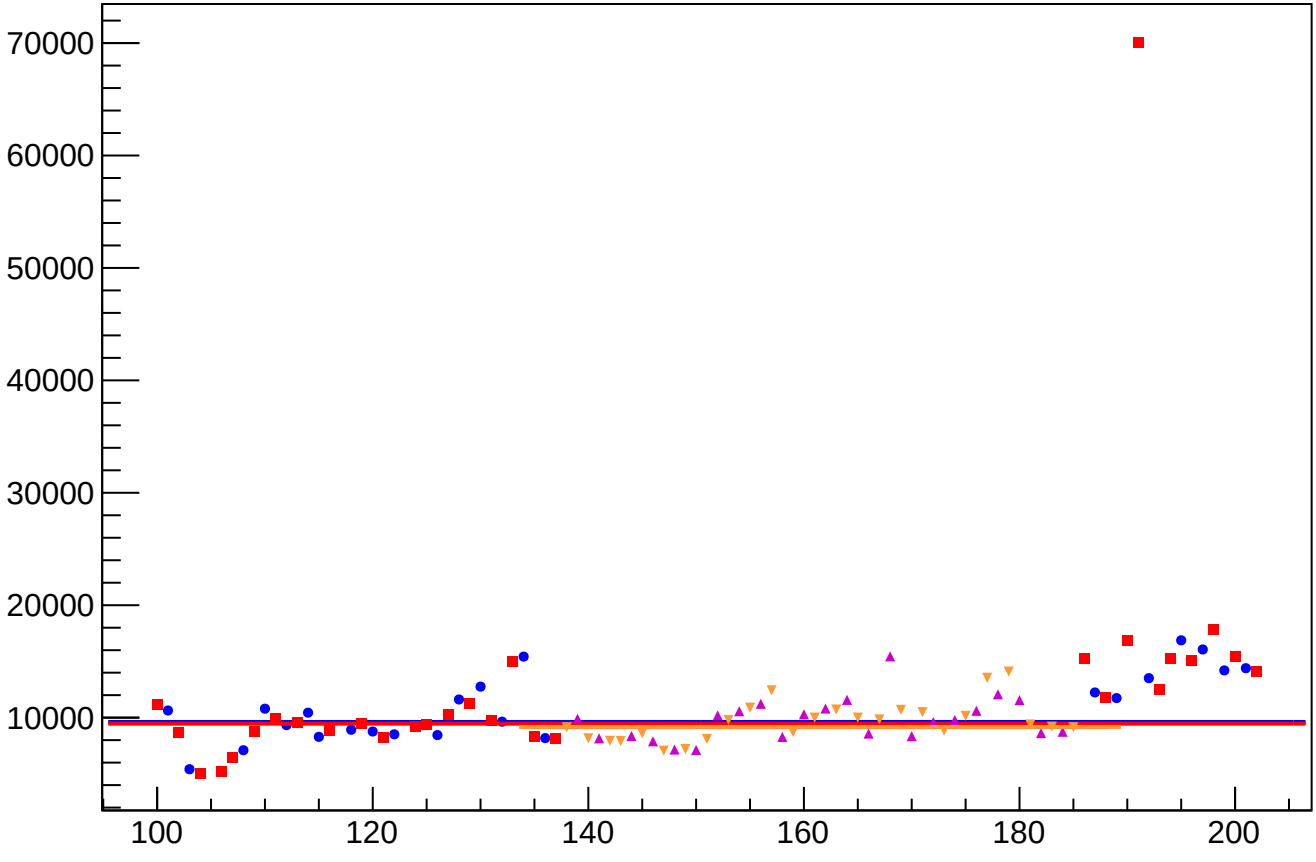
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1659.560+/-1711.144 χ^2/NDF: 52.2/47

All: -1279.137+/-1202.927 χ^2/NDF: 93.6/99

- sign -4150.470+/-1691.418 χ^2/NDF: 35.6/51

asym_atr2_rms vs Slug



Right In: 9614.964+/-2.040 χ^2/NDF: 2316514.5/22

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9466.118+/-1.896 χ^2/NDF: 3321423.5/28

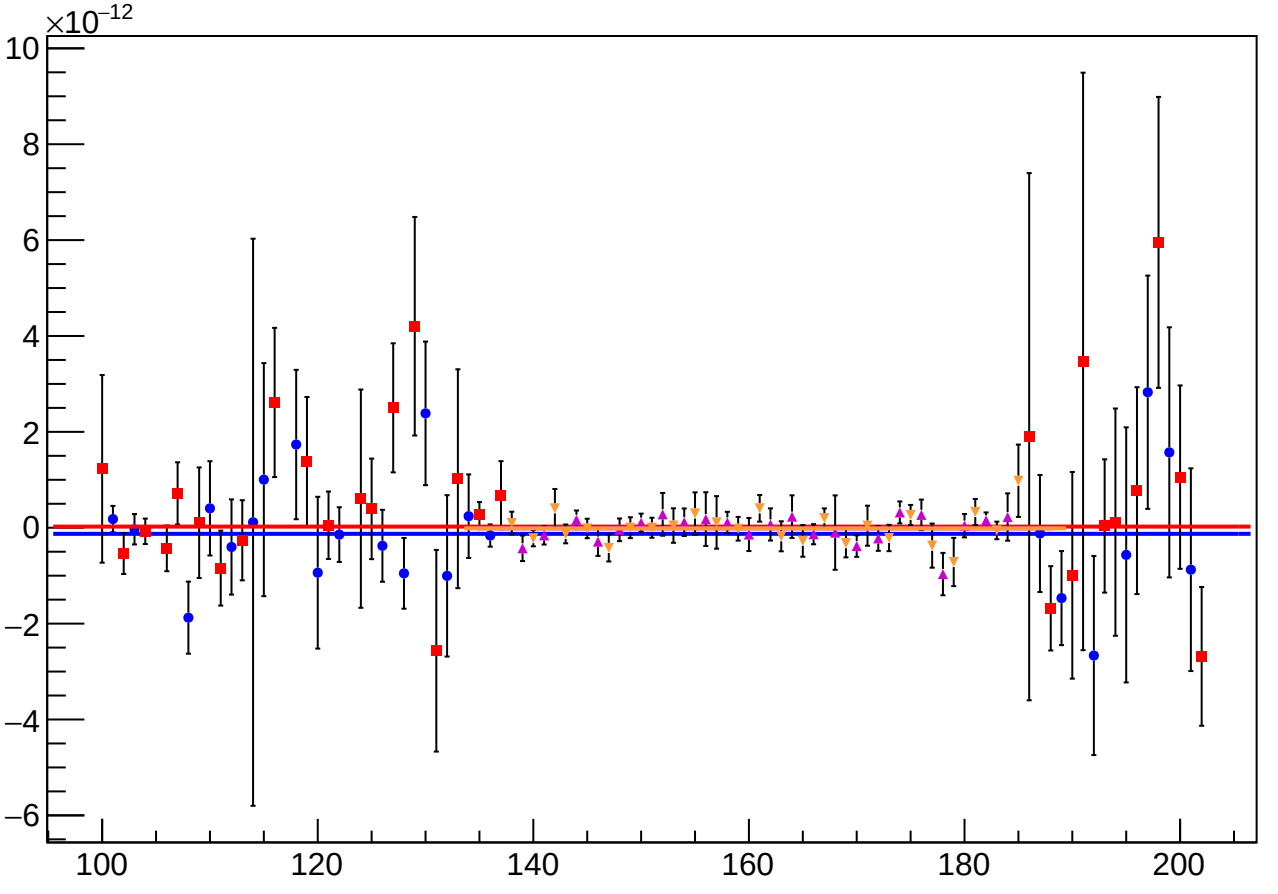
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9328.377+/-1.210 χ^2/NDF: 3403911.3/47

All: 9305.519+/-0.851 χ^2/NDF: 7869036.6/99

- sign 9283.186+/-1.196 χ^2/NDF: 4464419.7/51

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

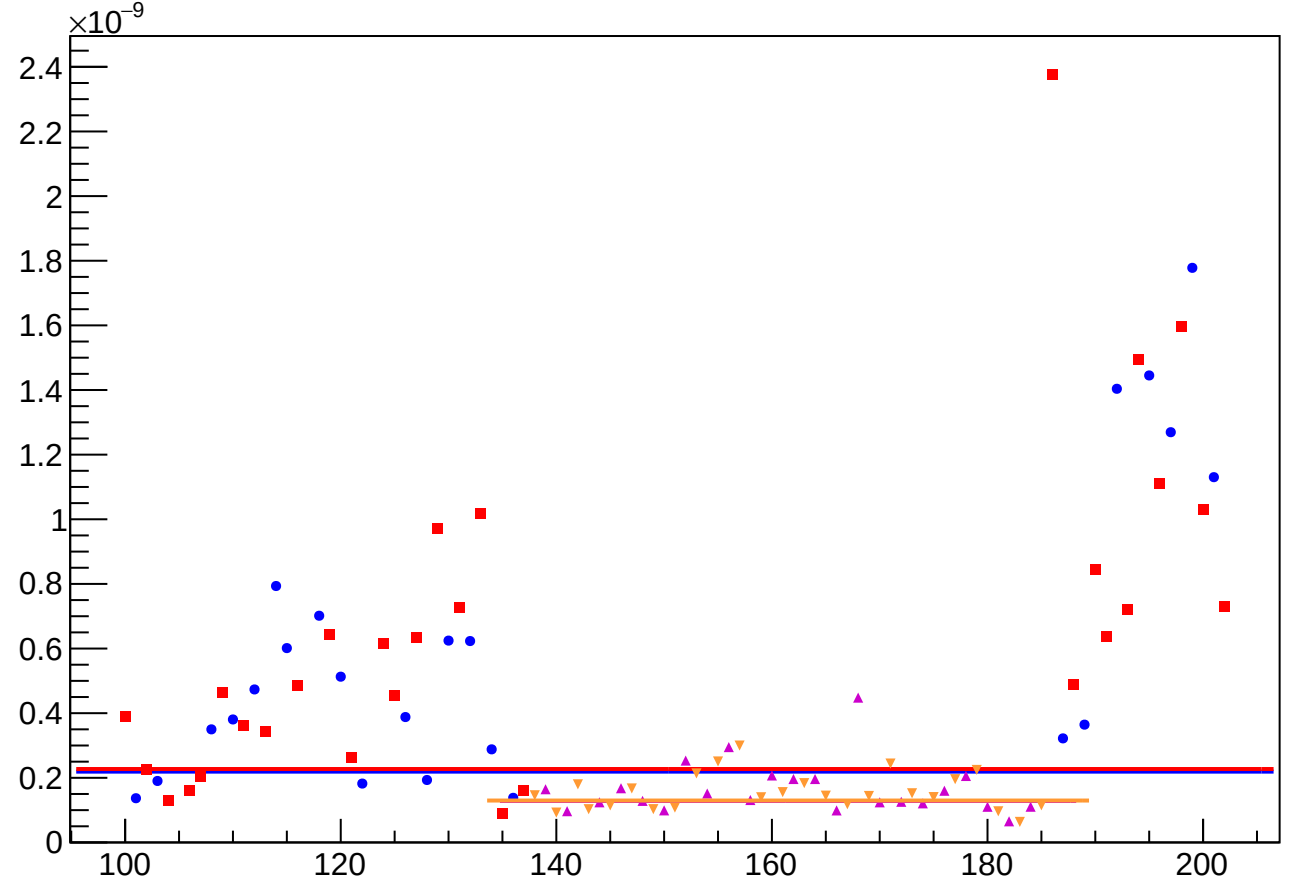
Right Out: 0.000+/-0.000 χ^2/NDF: 31.9/28

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.1/47

All: -0.000+/-0.000 χ^2/NDF: 90.3/99

- sign -0.000+/-0.000 χ^2/NDF: 51.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 3993766.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5012033.5/28

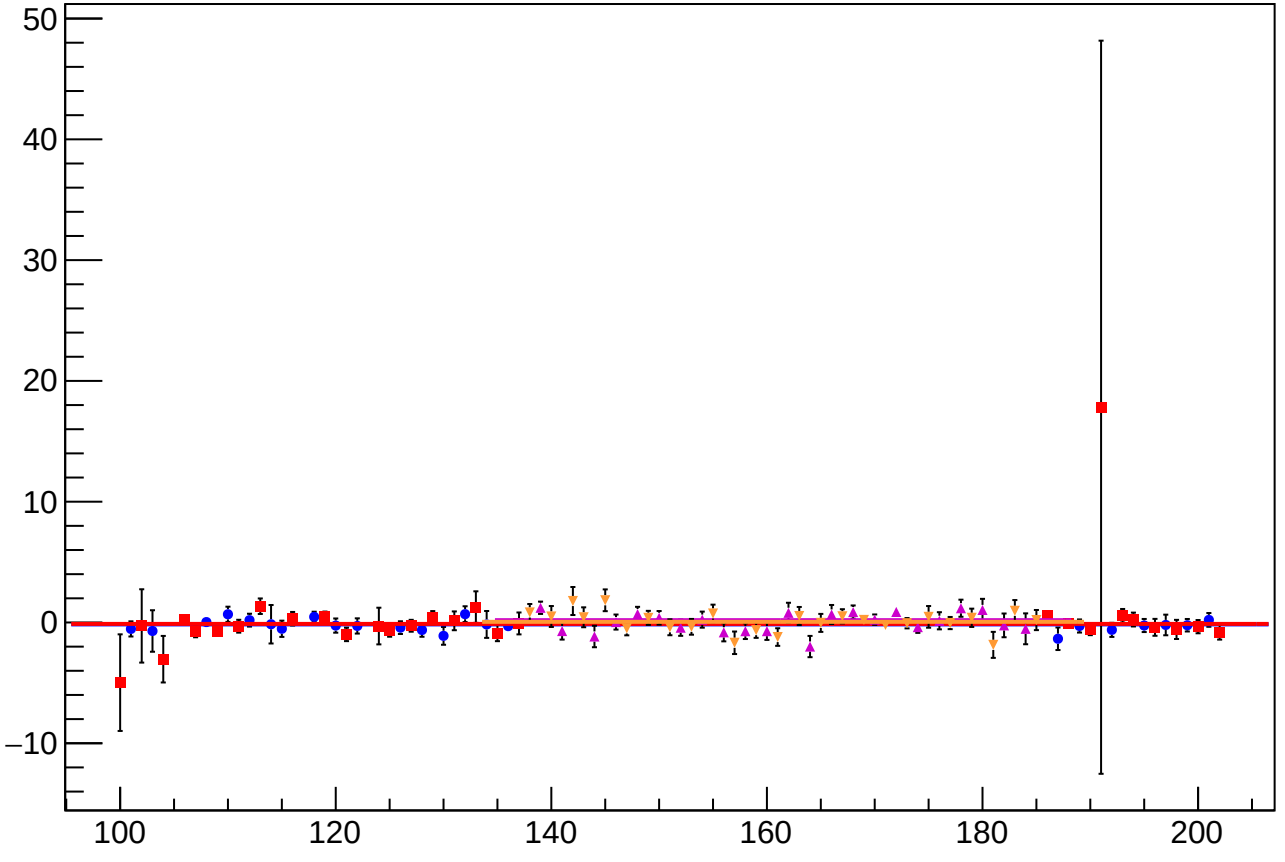
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6184873.7/47

All: 0.000+/-0.000 χ^2/NDF: 13637515.7/99

- sign 0.000+/-0.000 χ^2/NDF: 7452641.7/51

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.160+/-0.122 χ^2/NDF: 12.6/22

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.118+/-0.099 χ^2/NDF: 32.8/28

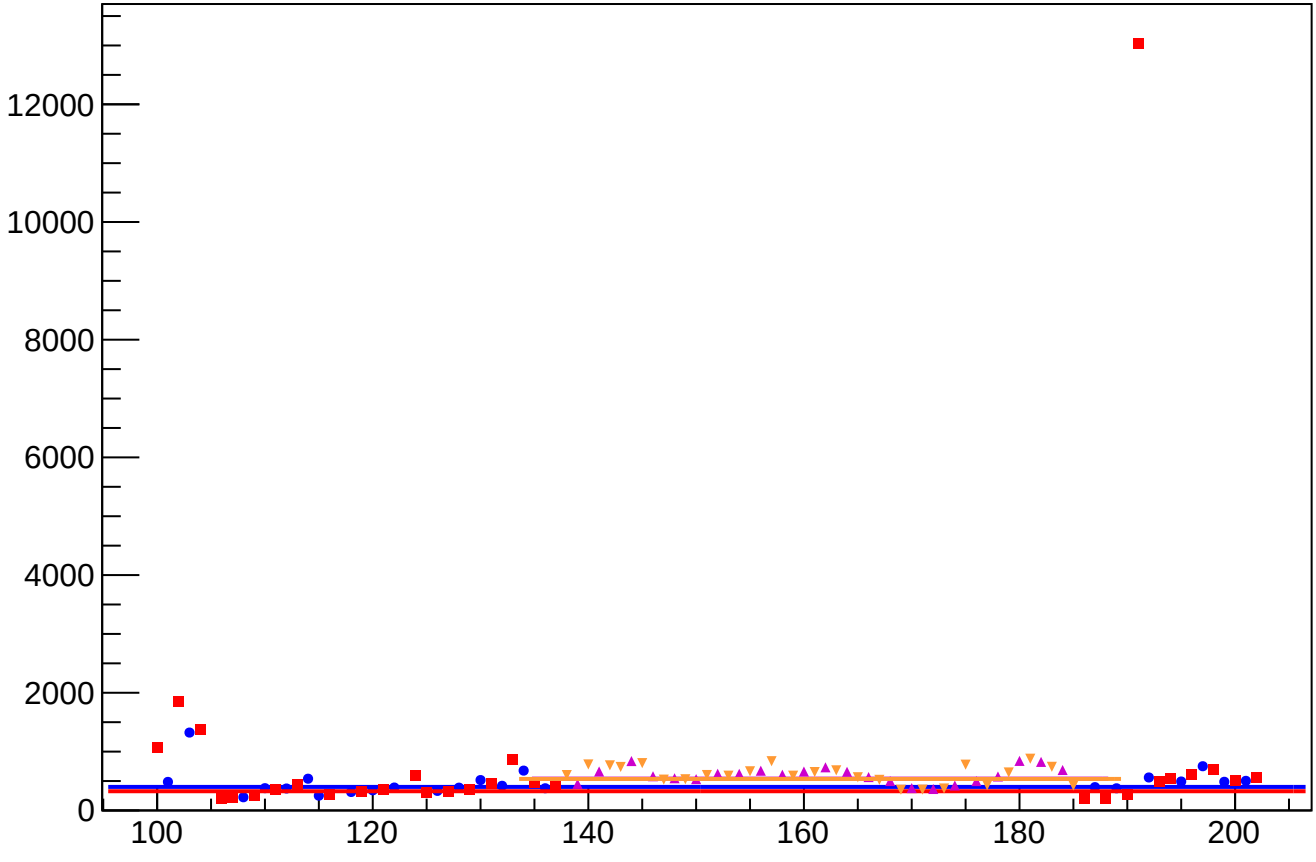
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.089 χ^2/NDF: 38.7/47

All: -0.031+/-0.059 χ^2/NDF: 106.3/99

- sign -0.008+/-0.079 χ^2/NDF: 67.4/51

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 400.167+/-0.086 χ^2/NDF: 2188715.4/22

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276684.8/28

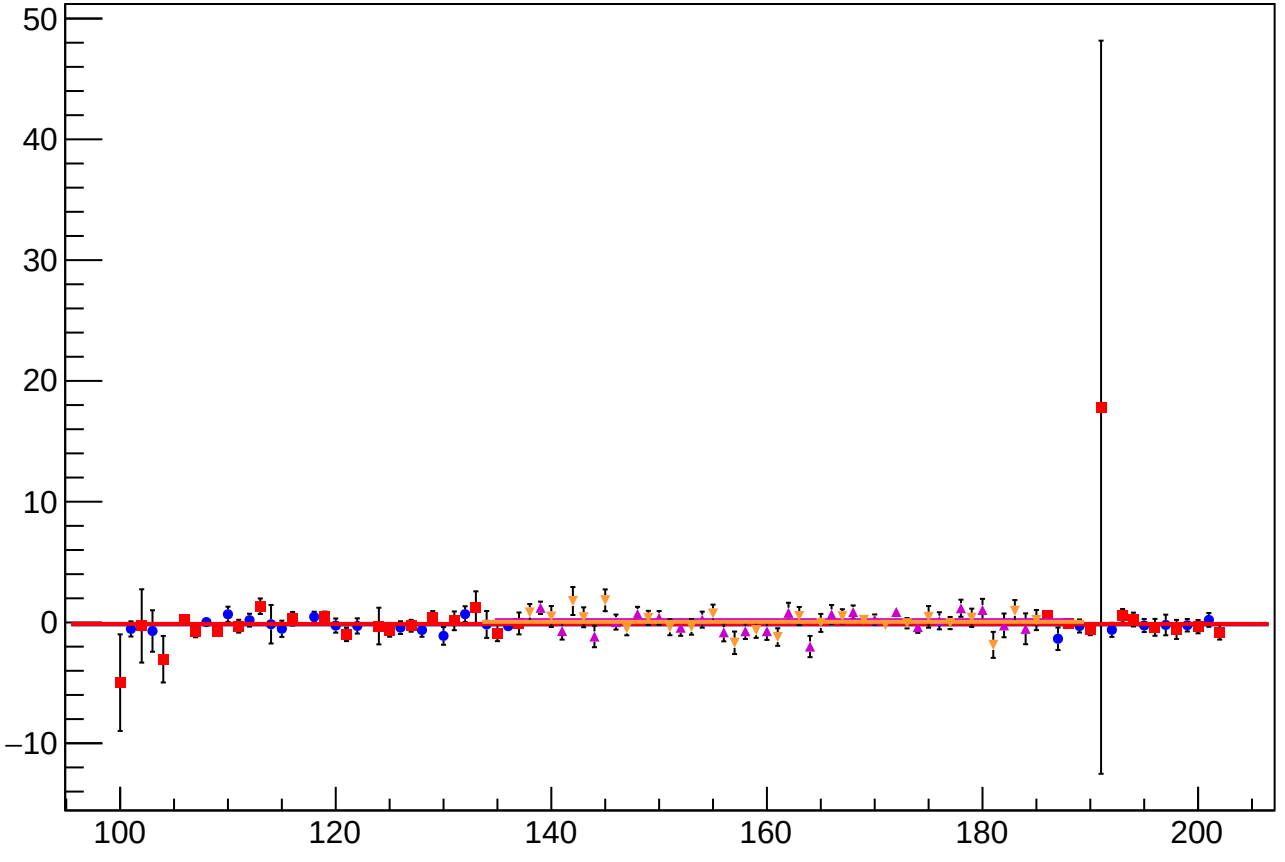
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 464.189+/-0.063 χ^2/NDF: 6100326.8/47

All: 430.099+/-0.042 χ^2/NDF: 17145892.7/99

- sign 402.871+/-0.056 χ^2/NDF: 10516886.7/51

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.160+/-0.122 χ^2/NDF: 12.6/22

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.118+/-0.099 χ^2/NDF: 32.8/28

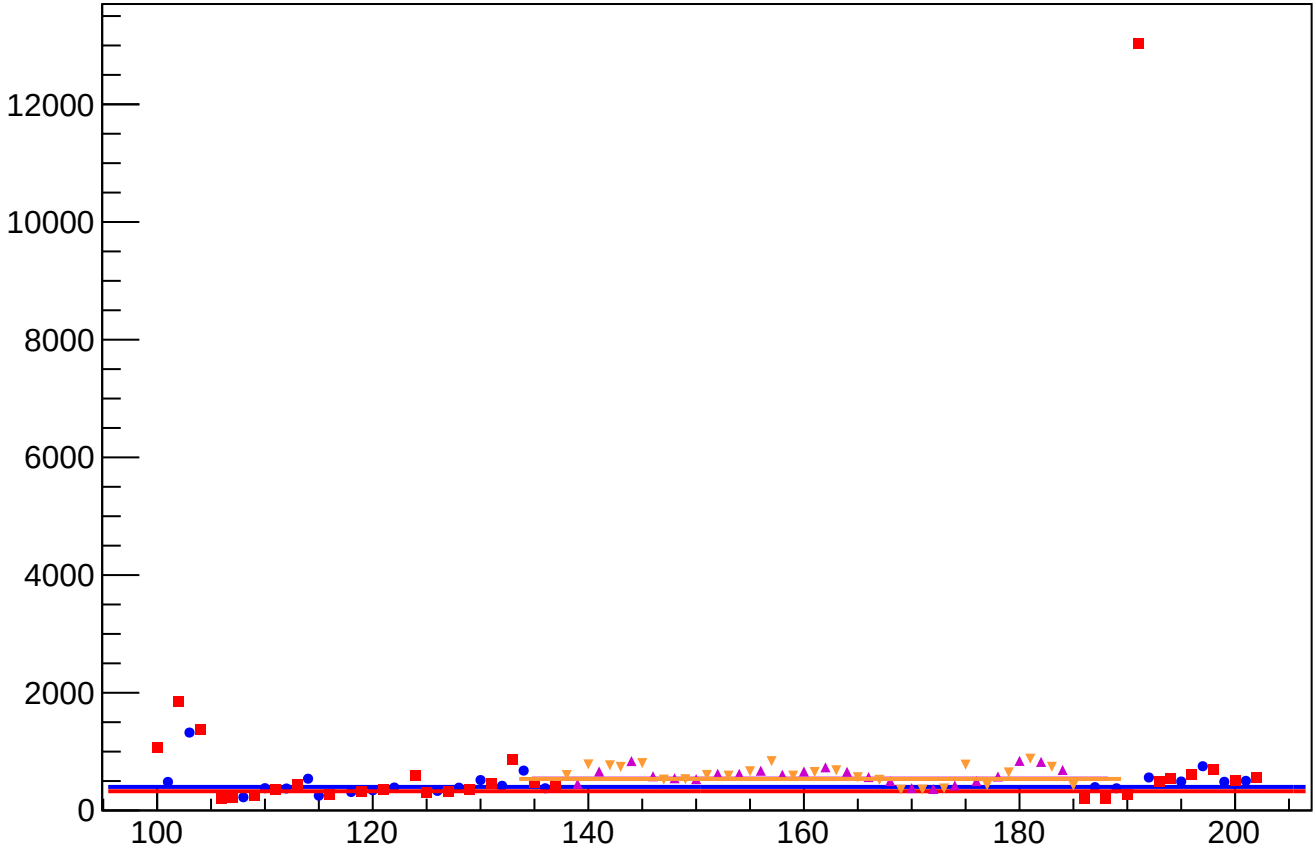
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.089 χ^2/NDF: 38.7/47

All: -0.031+/-0.059 χ^2/NDF: 106.3/99

- sign -0.008+/-0.079 χ^2/NDF: 67.4/51

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 400.167+/-0.086 χ^2/NDF: 2188715.4/22

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276684.8/28

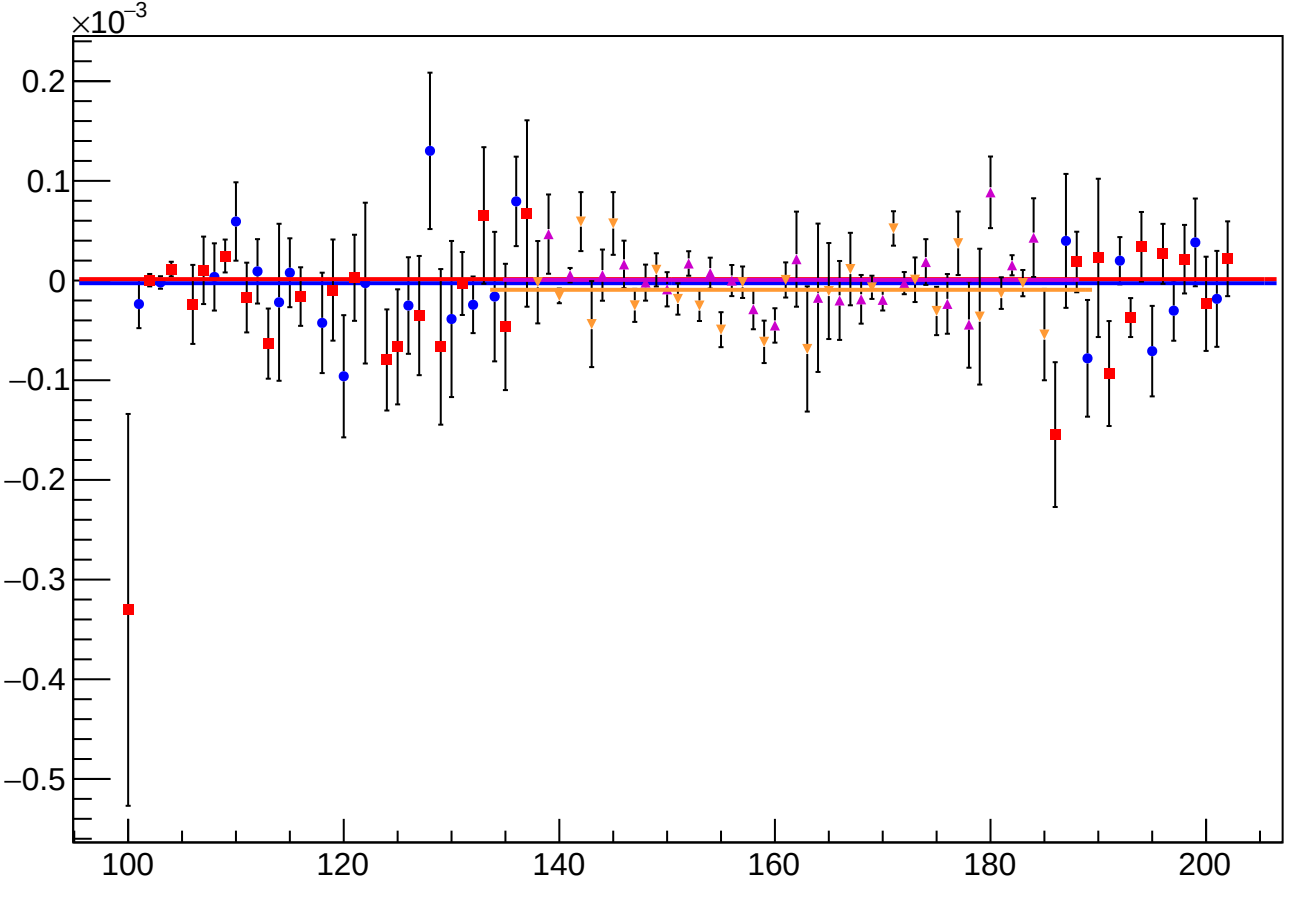
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 464.189+/-0.063 χ^2/NDF: 6100326.8/47

All: 430.099+/-0.042 χ^2/NDF: 17145892.7/99

- sign 402.871+/-0.056 χ^2/NDF: 10516886.7/51

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/28

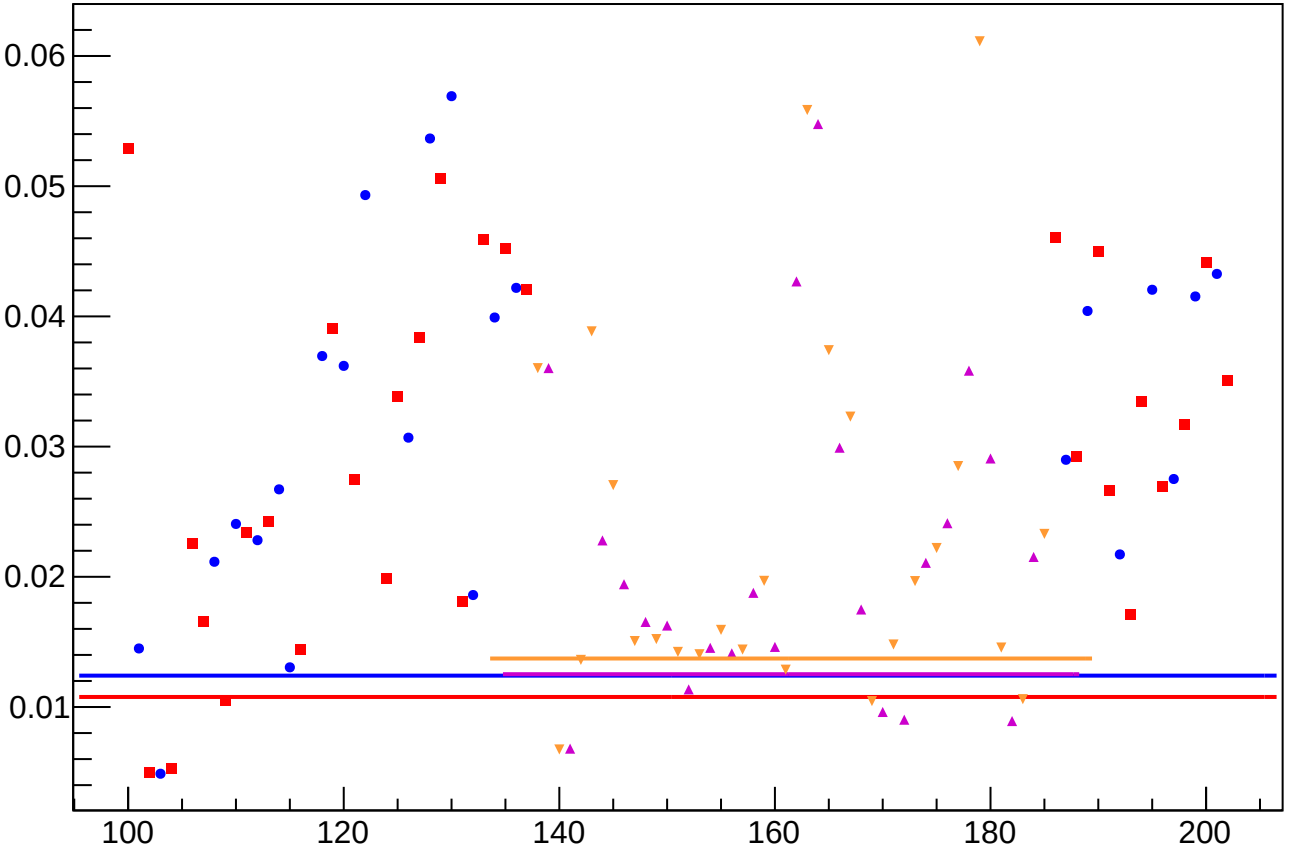
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.1/47

All: -0.000+/-0.000 χ^2/NDF: 134.3/99

- sign 0.000+/-0.000 χ^2/NDF: 62.9/51

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 11443051.0/22

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 13425916.4/28

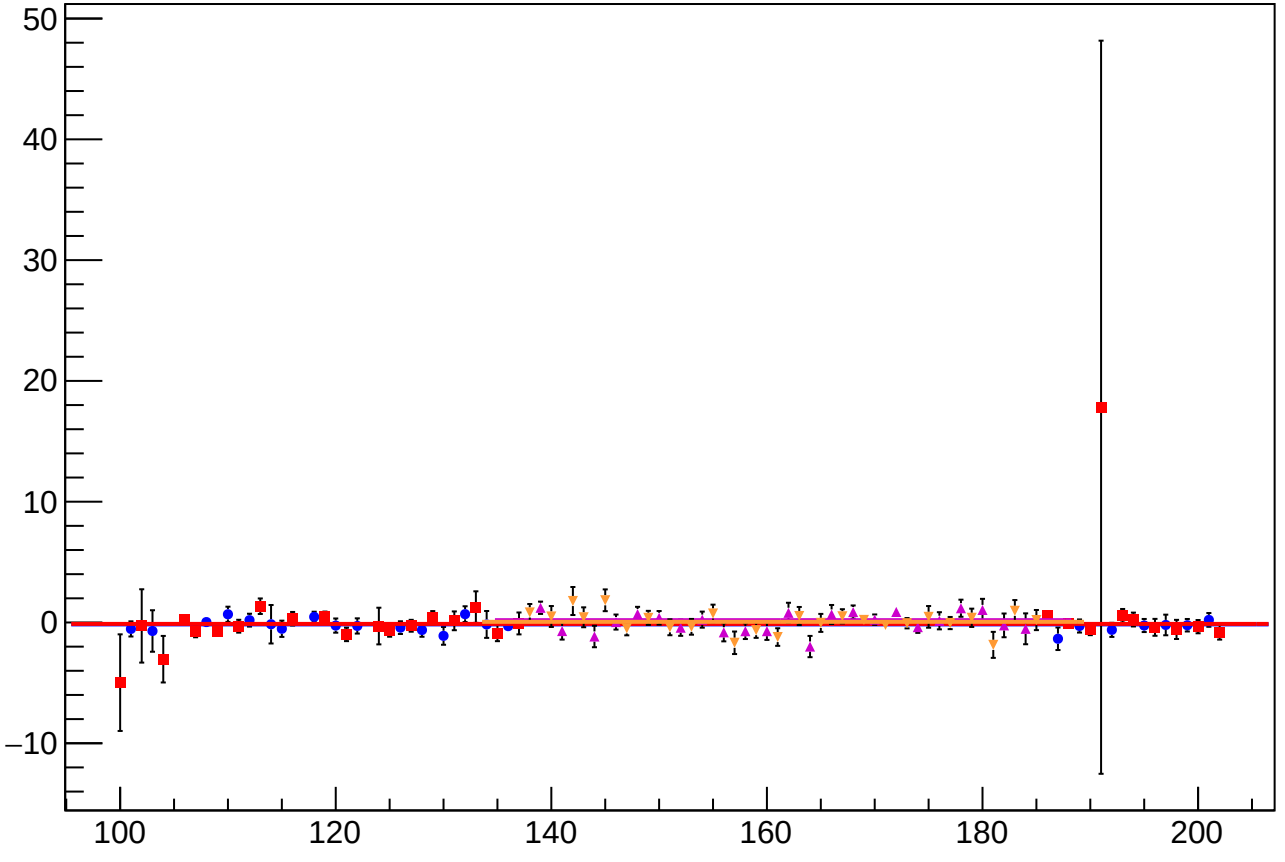
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 19249881.1/47

All: 0.012+/-0.000 χ^2/NDF: 40321813.1/99

- sign 0.012+/-0.000 χ^2/NDF: 20770898.8/51

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.160+/-0.122 χ^2/NDF: 12.6/22

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.118+/-0.099 χ^2/NDF: 32.8/28

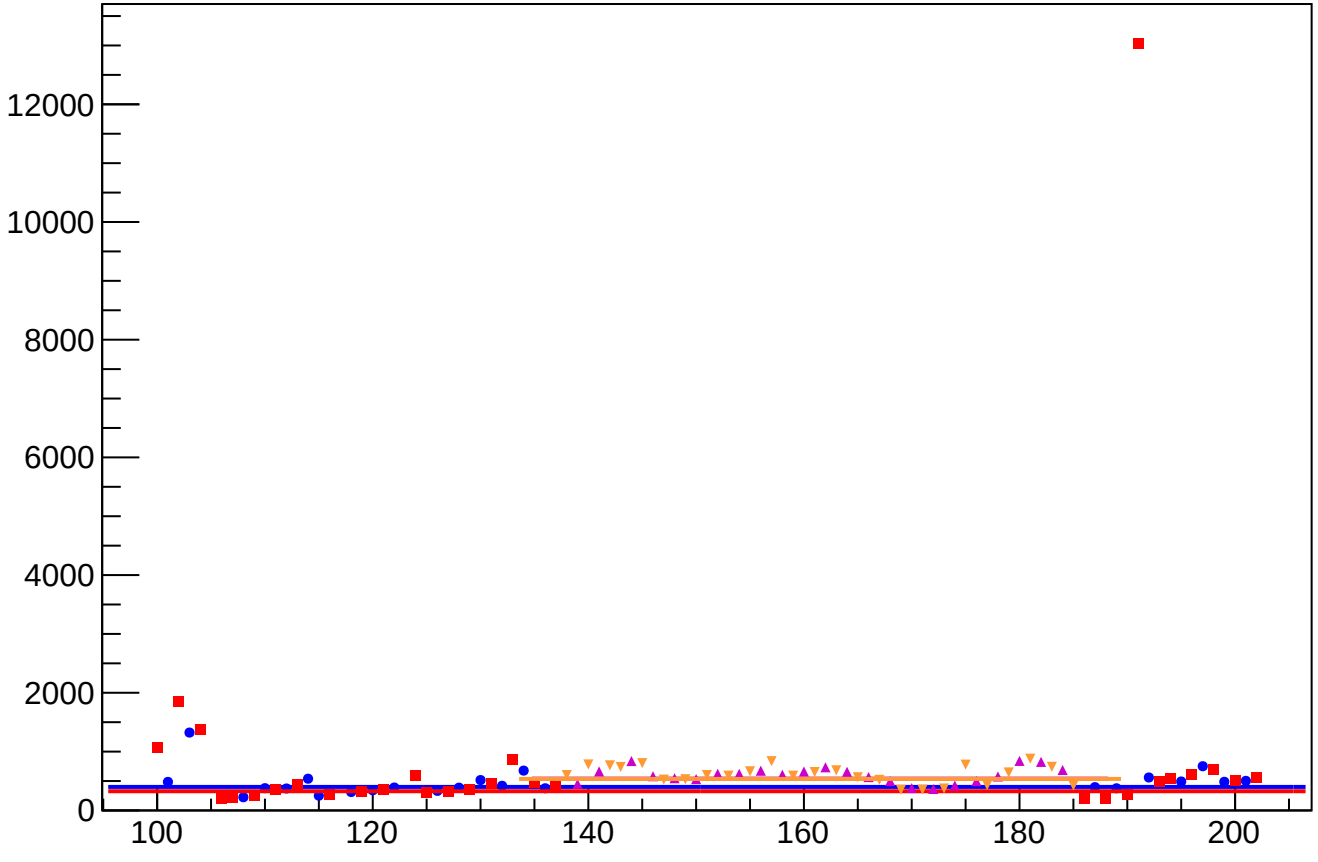
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.089 χ^2/NDF: 38.7/47

All: -0.031+/-0.059 χ^2/NDF: 106.3/99

- sign -0.008+/-0.079 χ^2/NDF: 67.4/51

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 400.163+/-0.086 χ^2/NDF: 2188739.5/22

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276649.3/28

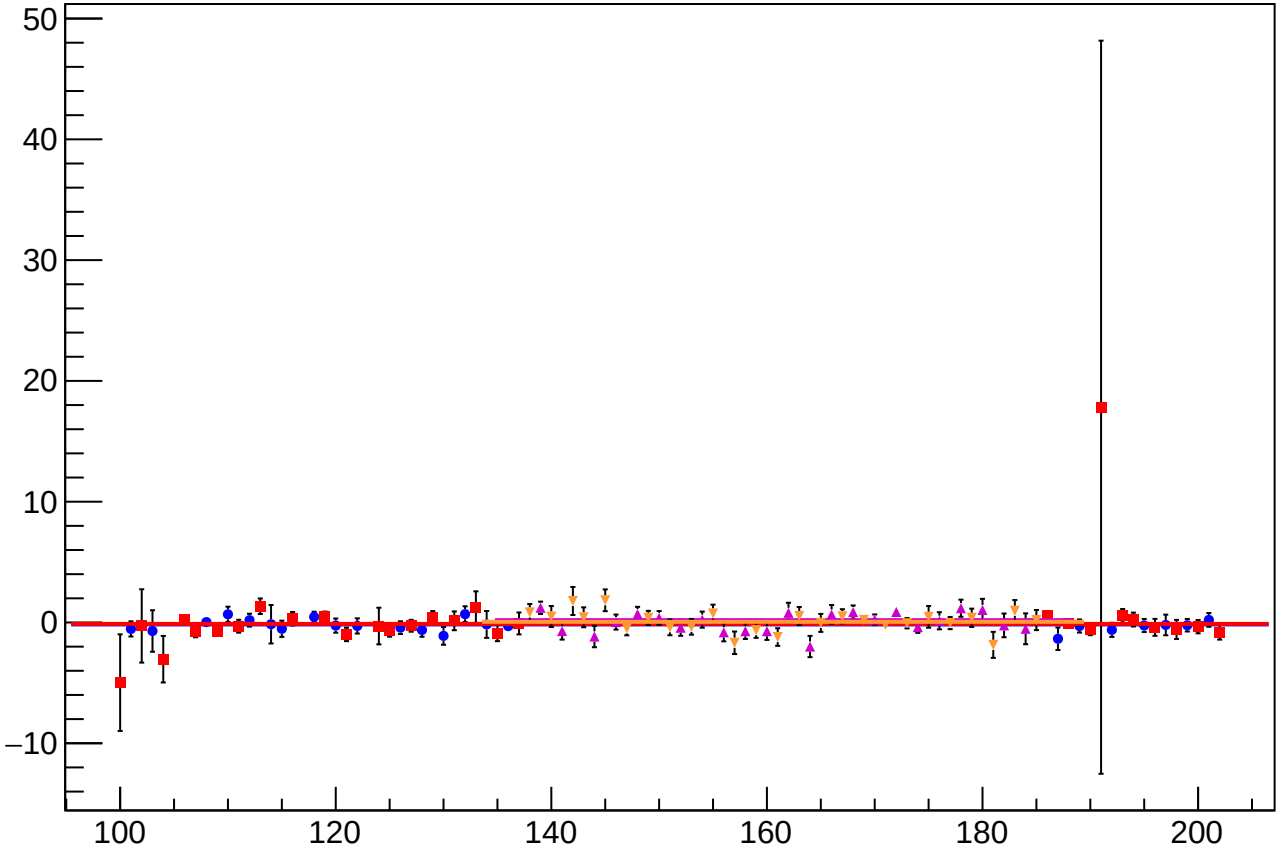
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 464.188+/-0.063 χ^2/NDF: 6100565.5/47

All: 430.099+/-0.042 χ^2/NDF: 17146220.0/99

- sign 402.872+/-0.056 χ^2/NDF: 10517004.6/51

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.160+/-0.122 χ^2/NDF: 12.6/22

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.118+/-0.099 χ^2/NDF: 32.8/28

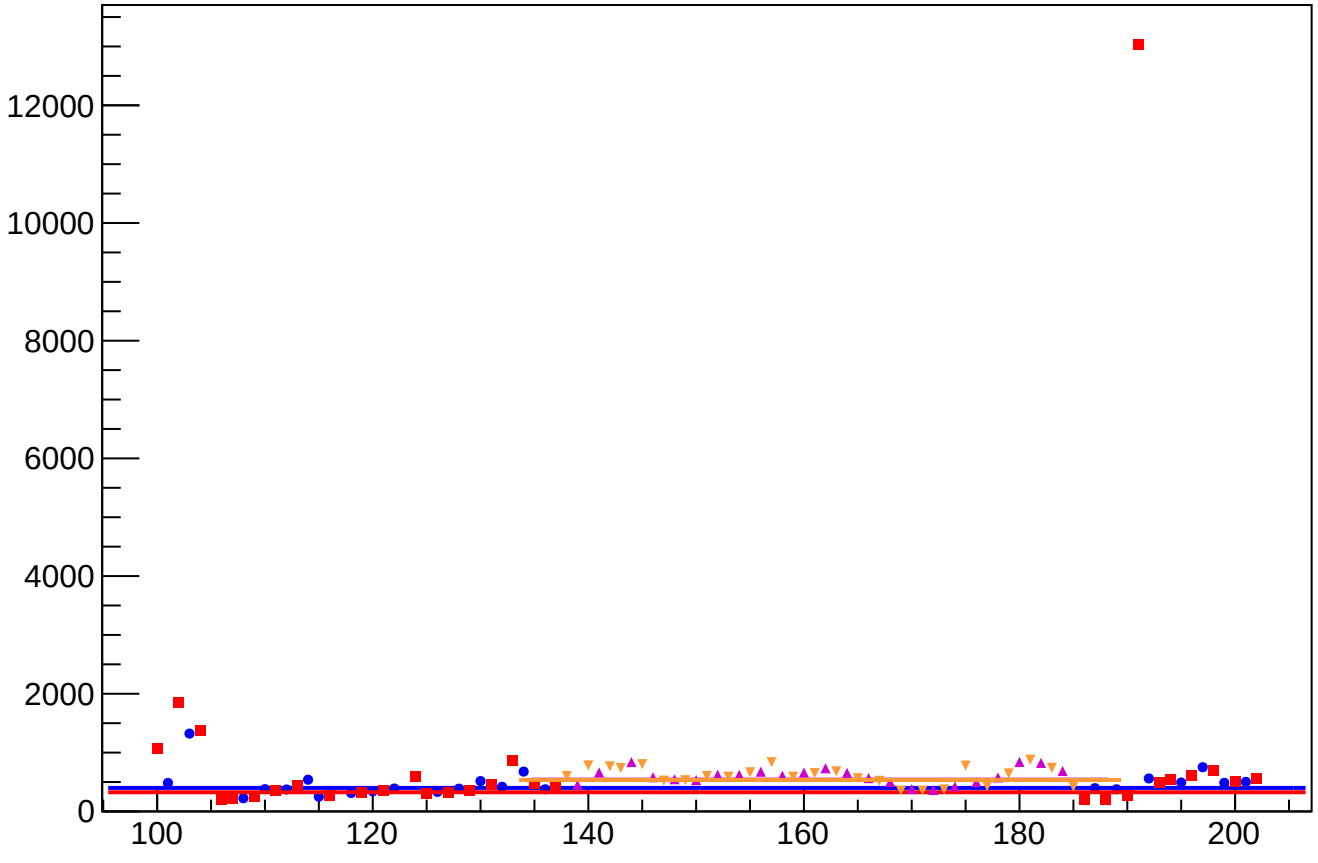
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.089 χ^2/NDF: 38.7/47

All: -0.031+/-0.059 χ^2/NDF: 106.3/99

- sign -0.008+/-0.079 χ^2/NDF: 67.4/51

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 400.163+/-0.086 χ^2/NDF: 2188739.5/22

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276649.3/28

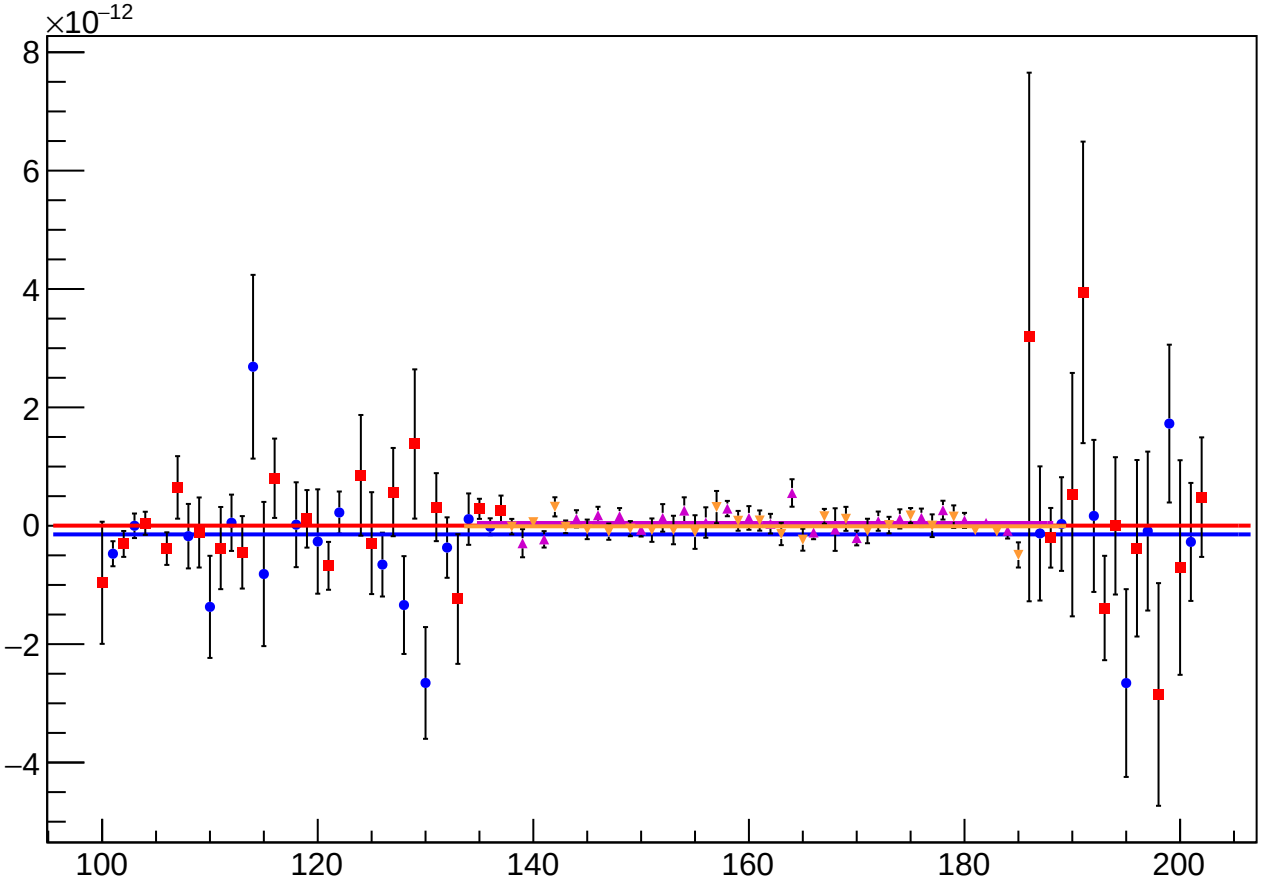
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 464.188+/-0.063 χ^2/NDF: 6100565.5/47

All: 430.099+/-0.042 χ^2/NDF: 17146220.0/99

- sign 402.872+/-0.056 χ^2/NDF: 10517004.6/51

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

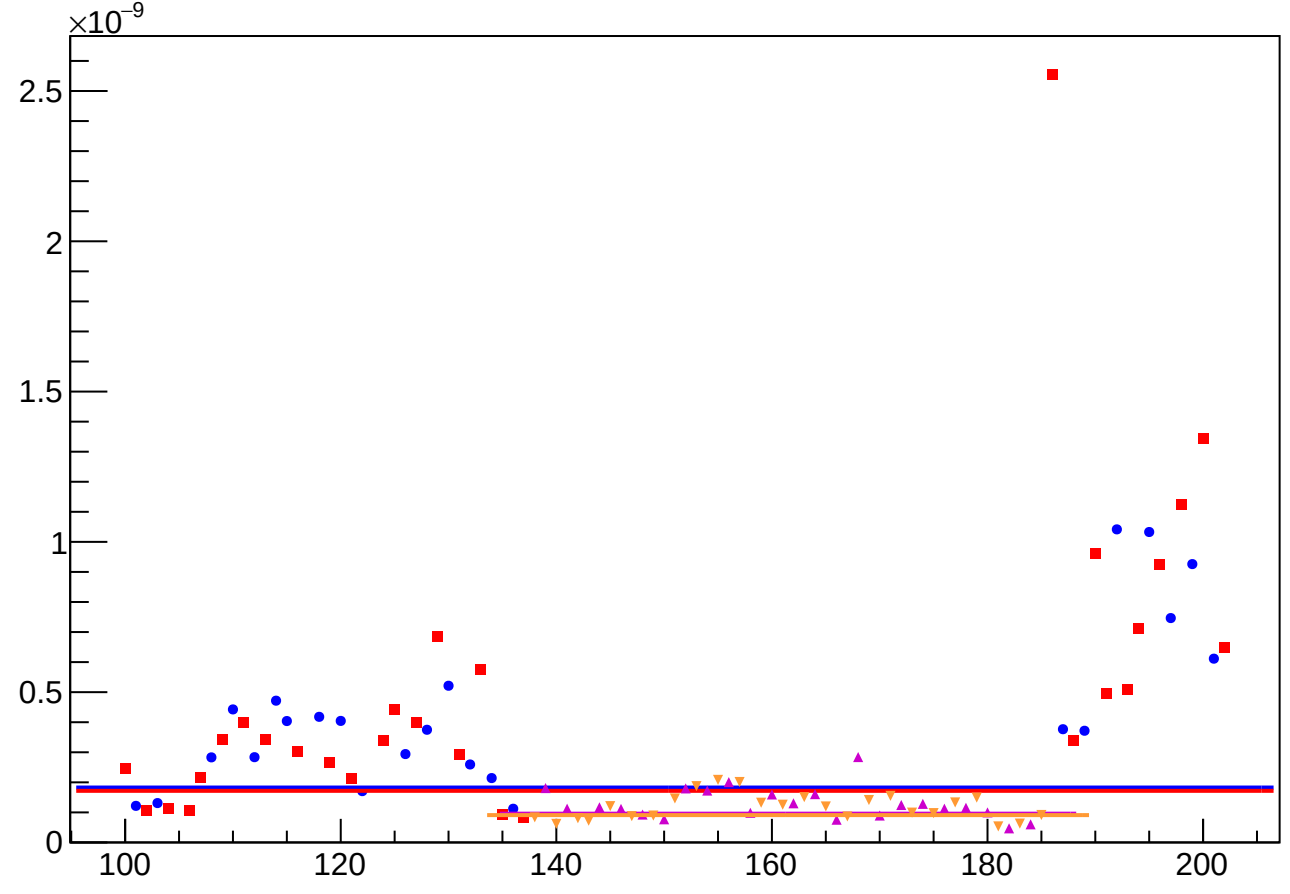
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/28

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.3/47

All: 0.000+/-0.000 χ^2/NDF: 109.3/99

- sign 0.000+/-0.000 χ^2/NDF: 56.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 5090132.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7140243.9/28

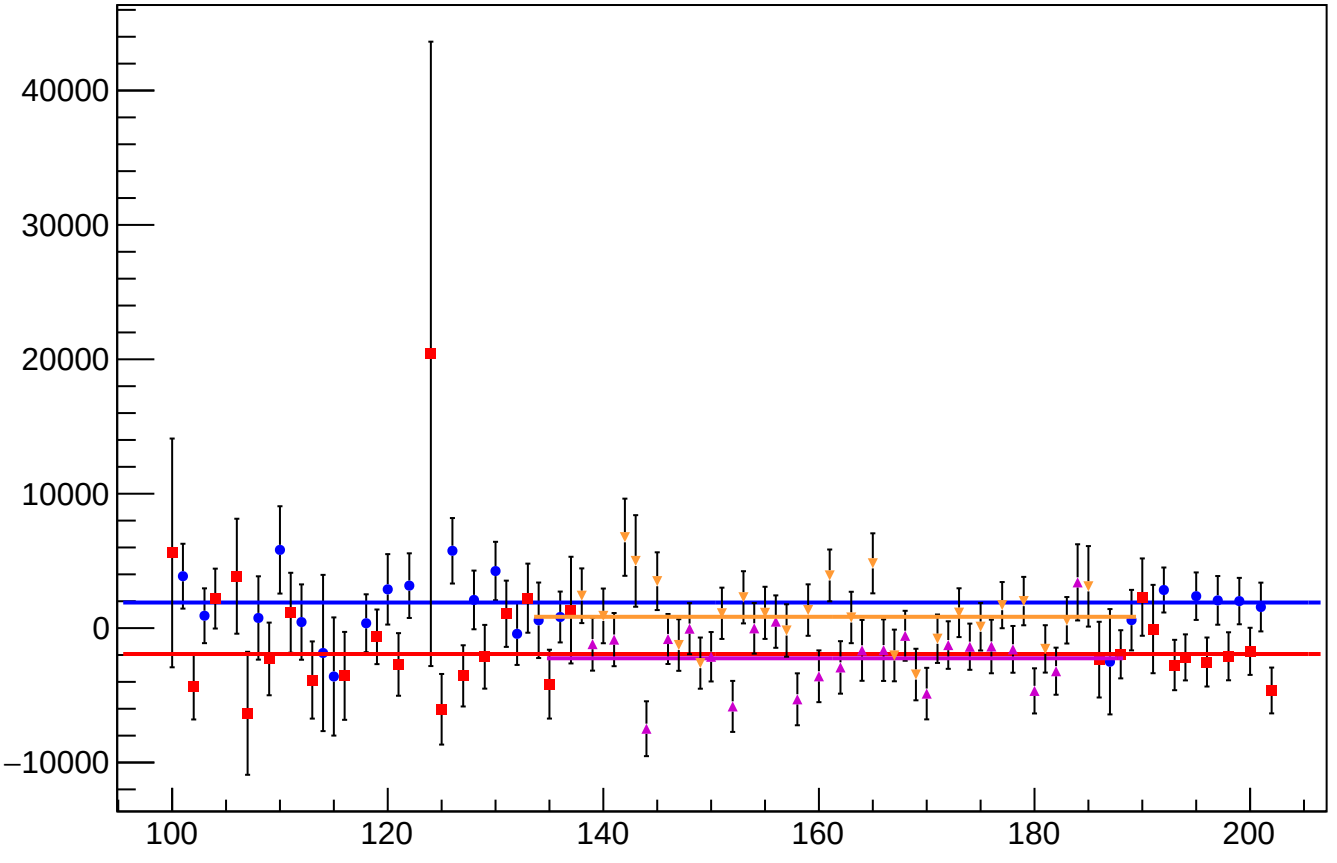
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10543649.4/47

All: 0.000+/-0.000 χ^2/NDF: 23173384.9/99

- sign 0.000+/-0.000 χ^2/NDF: 12597371.3/51

reg_asym_atl_avg_mean vs Slug



Right In: 1903.889+/-475.610 χ^2/NDF: 12.9/22

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1926.567+/-447.889 χ^2/NDF: 25.0/28

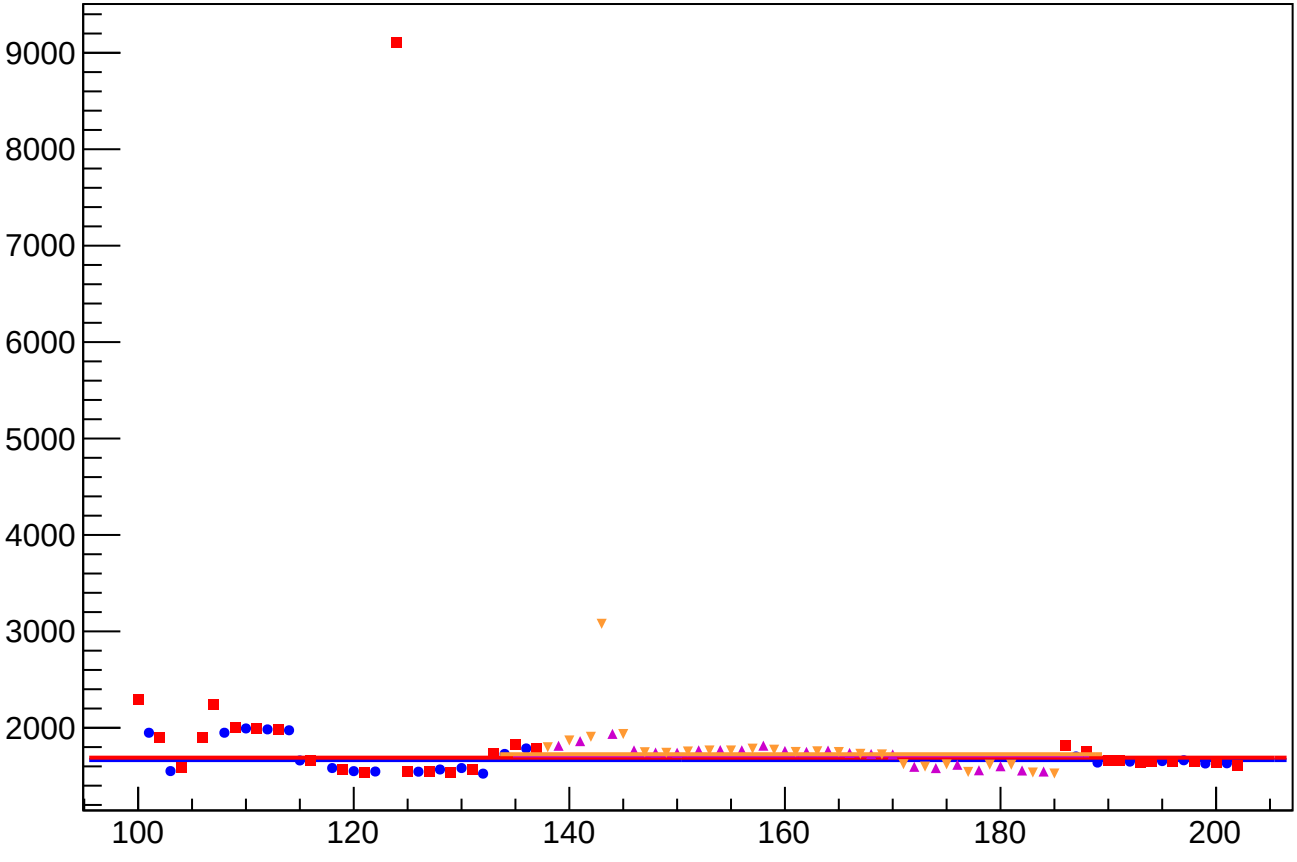
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1274.484+/-303.615 χ^2/NDF: 46.3/47

All: -442.300+/-212.913 χ^2/NDF: 163.9/99

- sign -2103.439+/-298.655 χ^2/NDF: 54.7/51

reg_asym_atl_avg_rms vs Slug



Right In: 1665.175+/-0.336 χ^2/NDF: 144587.6/22

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1690.475+/-0.316 χ^2/NDF: 404058.4/28

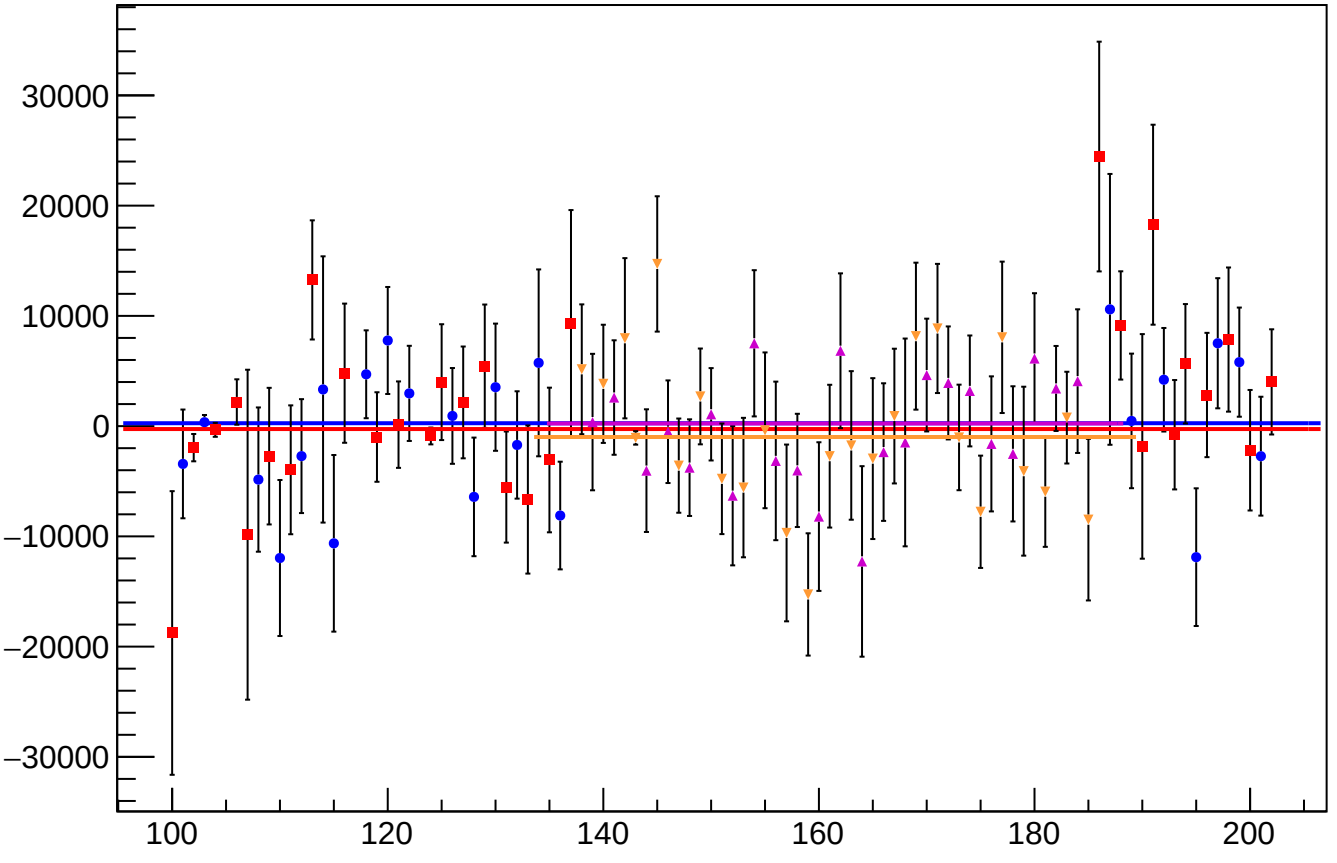
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1701.247+/-0.215 χ^2/NDF: 618936.0/47

All: 1702.162+/-0.150 χ^2/NDF: 1155176.2/99

- sign 1703.045+/-0.211 χ^2/NDF: 536204.5/51

asym_atl_avg_reg_correction_mean vs Slug



Right In: 263.716+/-571.147 χ^2/NDF: 24.1/22

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -265.032+/-414.462 χ^2/NDF: 36.4/28

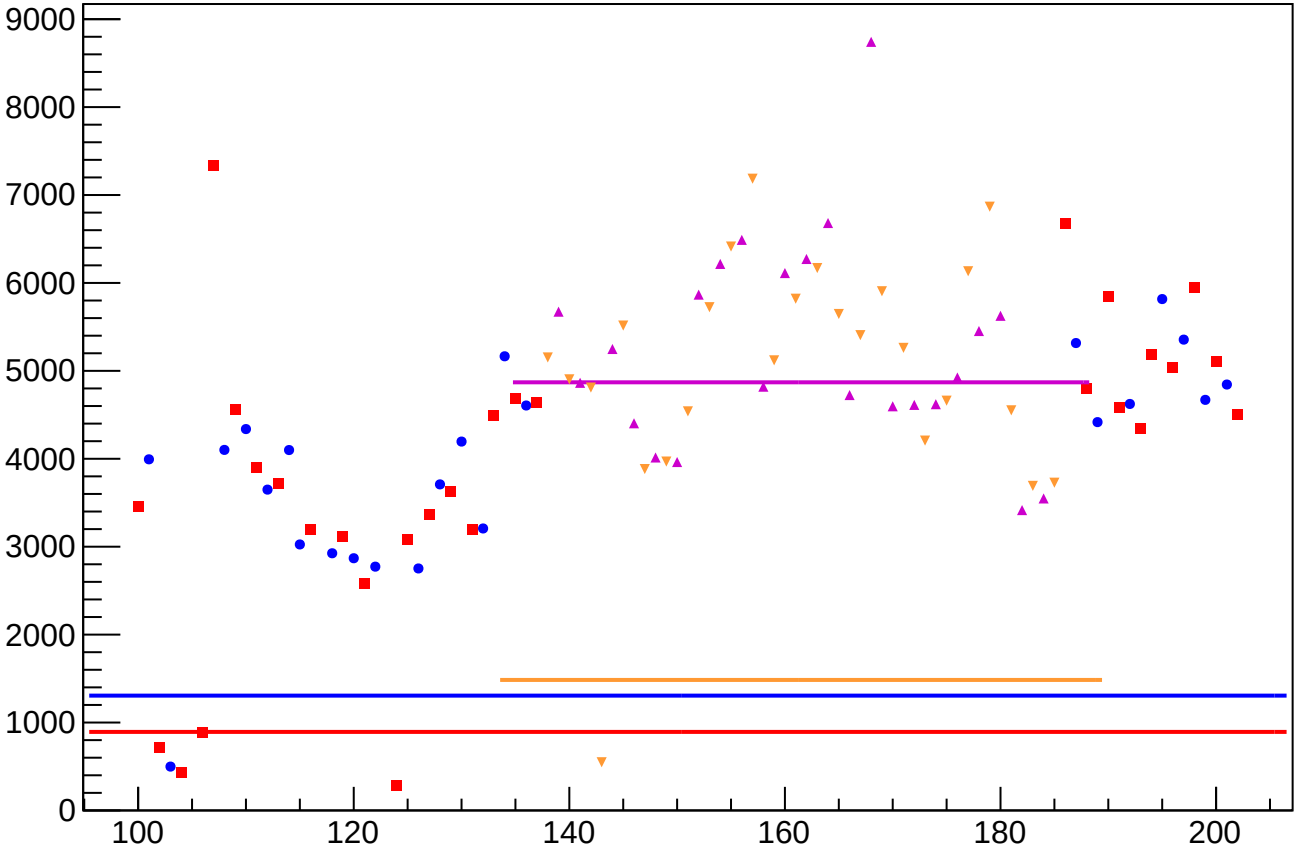
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -395.560+/-392.866 χ^2/NDF: 57.5/47

All: -301.384+/-276.954 χ^2/NDF: 107.7/99

- sign -208.344+/-390.488 χ^2/NDF: 50.1/51

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1306.100+/-0.404 χ^2/NDF: 14007447.1/22

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 893.481+/-0.293 χ^2/NDF: 18619641.2/28

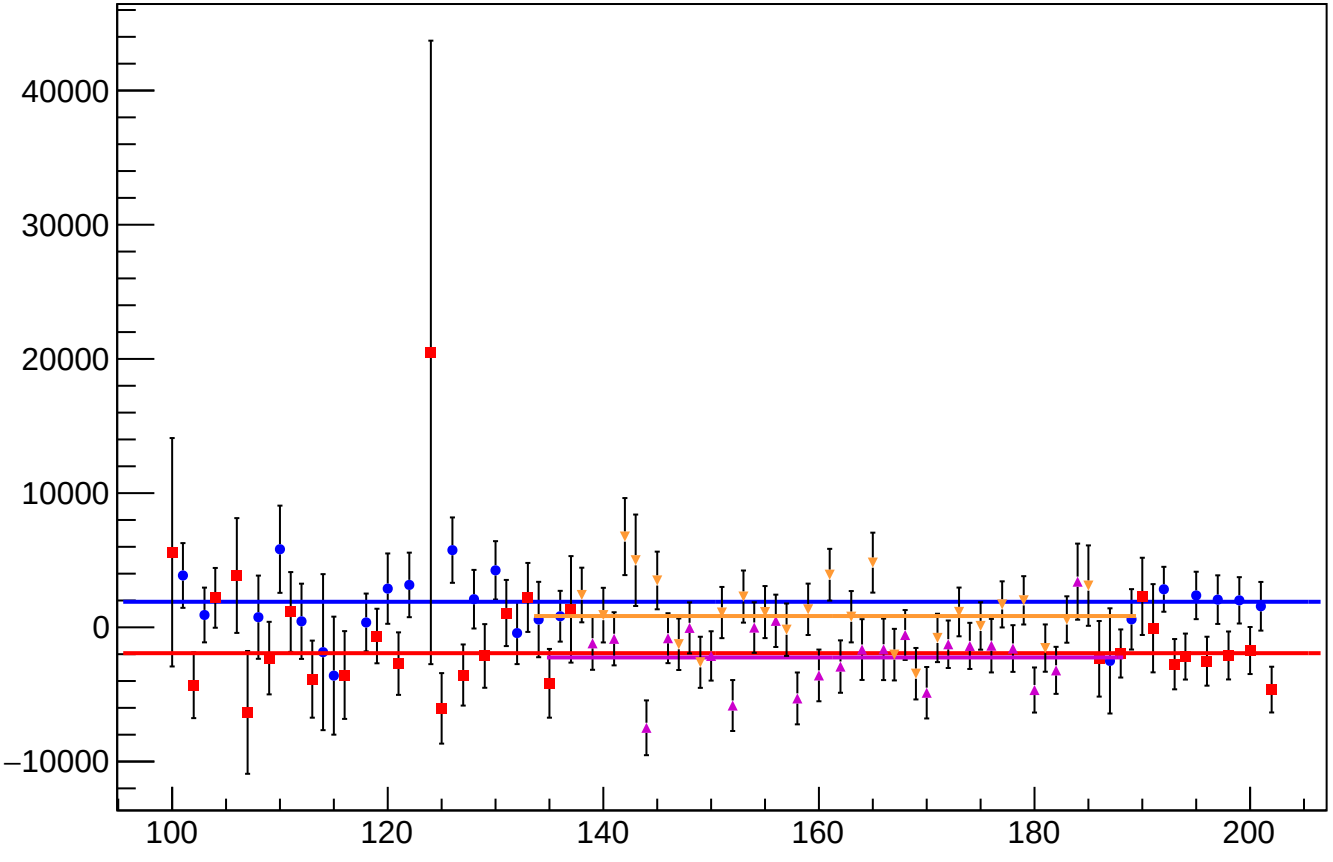
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1400.125+/-0.278 χ^2/NDF: 37335271.4/47

All: 1369.963+/-0.196 χ^2/NDF: 78131729.2/9

- sign 1340.166+/-0.276 χ^2/NDF: 40773023.8/51

cor_asym_atl_avg_mean vs Slug



Right In: 1903.974+/-475.610 χ^2/NDF: 12.9/22

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1925.385+/-447.891 χ^2/NDF: 25.0/28

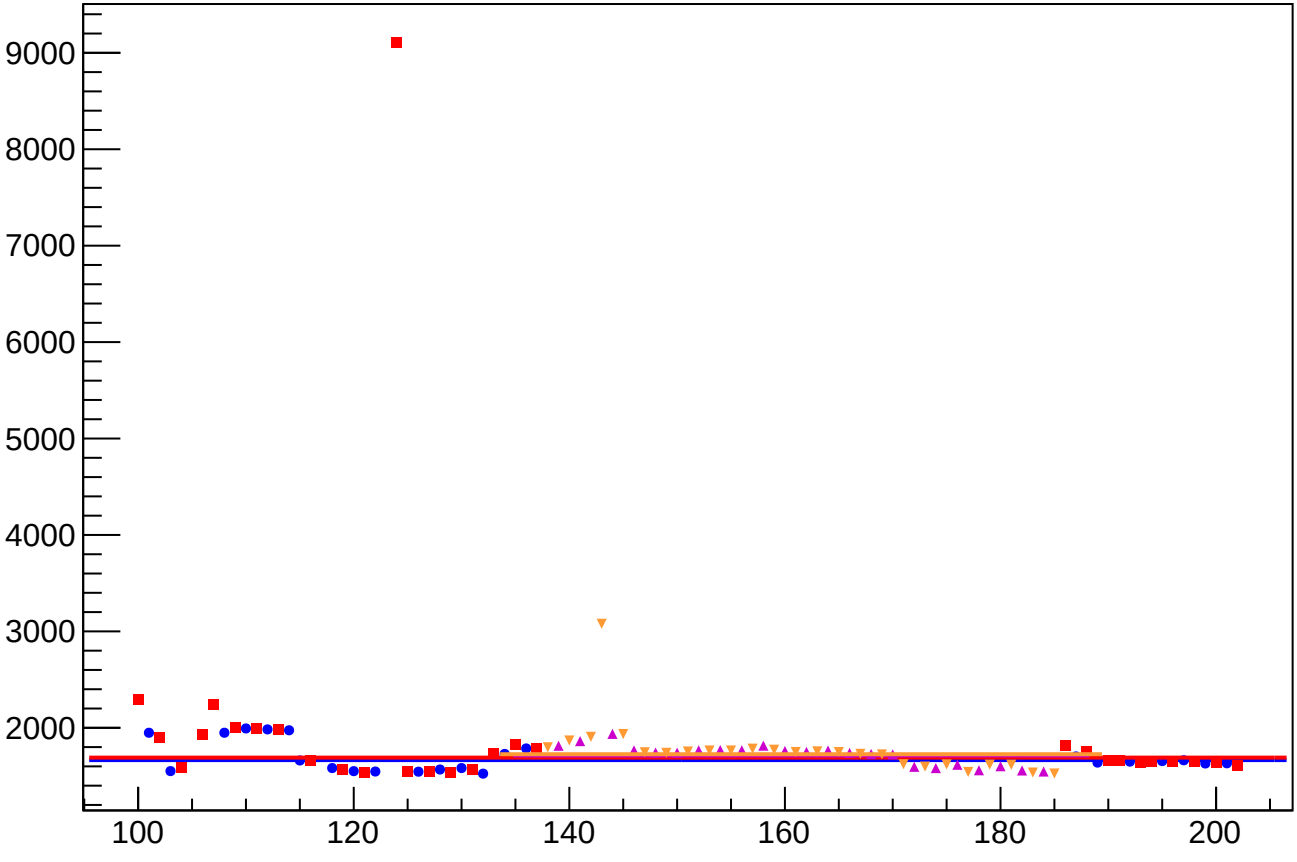
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1274.514+/-303.615 χ^2/NDF: 46.3/47

All: -442.021+/-212.913 χ^2/NDF: 163.9/99

- sign -2102.924+/-298.655 χ^2/NDF: 54.7/51

cor_asym_atl_avg_rms vs Slug



Right In: 1665.175+/-0.336 χ^2/NDF: 144587.6/22

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1690.869+/-0.316 χ^2/NDF: 406026.6/28

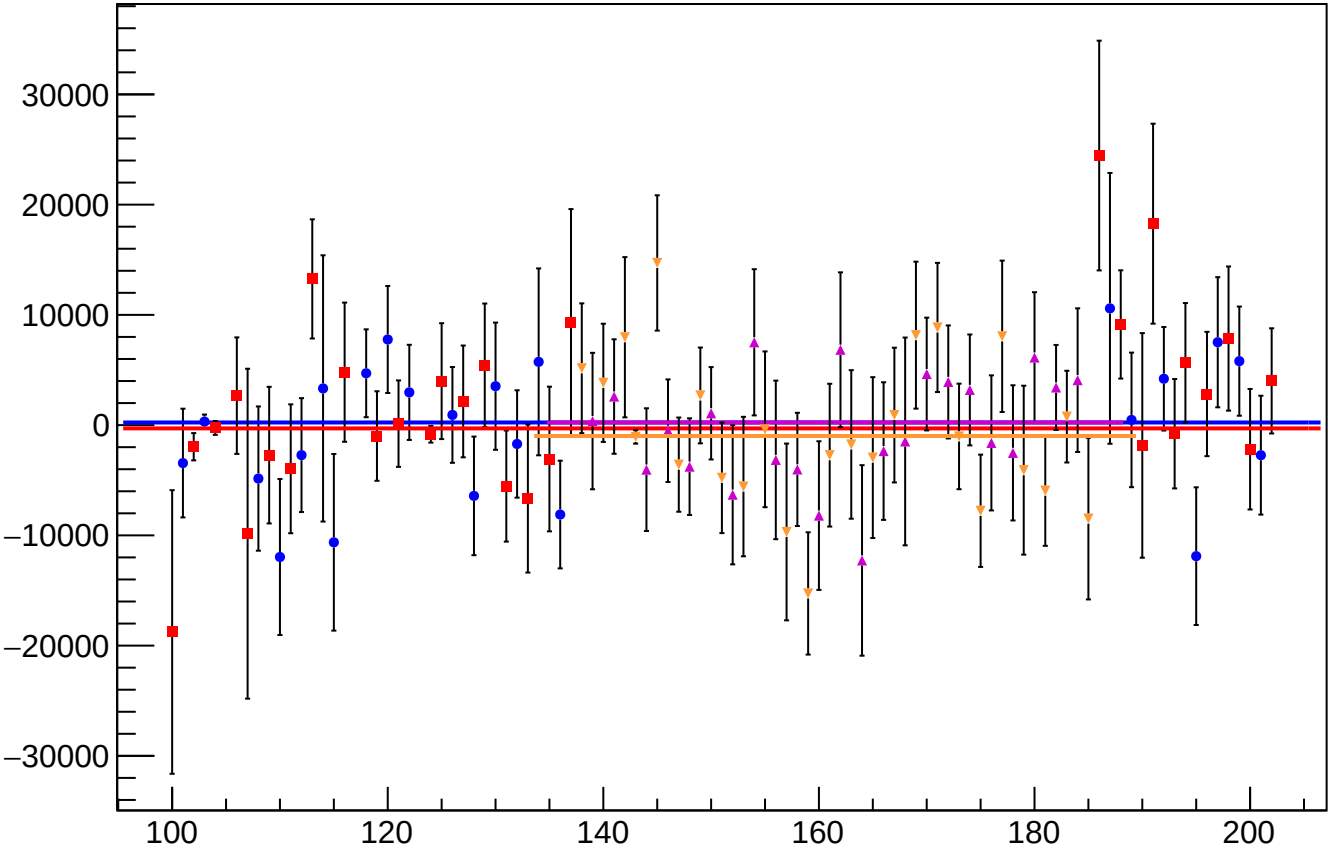
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1701.247+/-0.215 χ^2/NDF: 618936.1/47

All: 1702.253+/-0.150 χ^2/NDF: 1157052.9/99

- sign 1703.224+/-0.211 χ^2/NDF: 538073.6/51

asym_atl_avg_cor_correction_mean vs Slug



Right In: 239.753+/-560.101 χ^2/NDF: 24.1/22

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -296.674+/-419.880 χ^2/NDF: 35.1/28

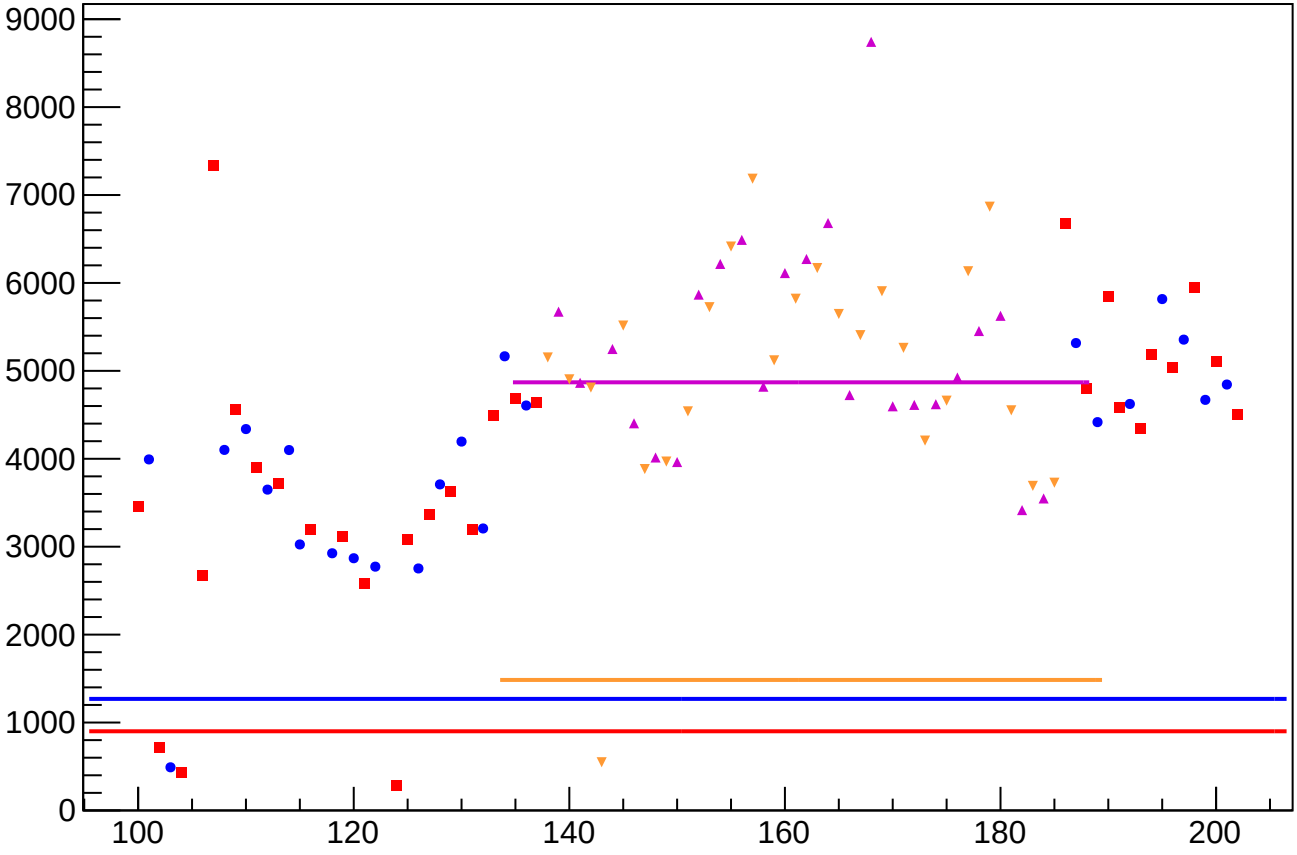
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -394.786+/-389.209 χ^2/NDF: 57.4/47

All: -316.095+/-277.240 χ^2/NDF: 106.4/99

- sign -235.041+/-395.009 χ^2/NDF: 48.9/51

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1268.901+/-0.396 χ^2/NDF: 14222610.3/22

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 900.546+/-0.297 χ^2/NDF: 18877594.1/28

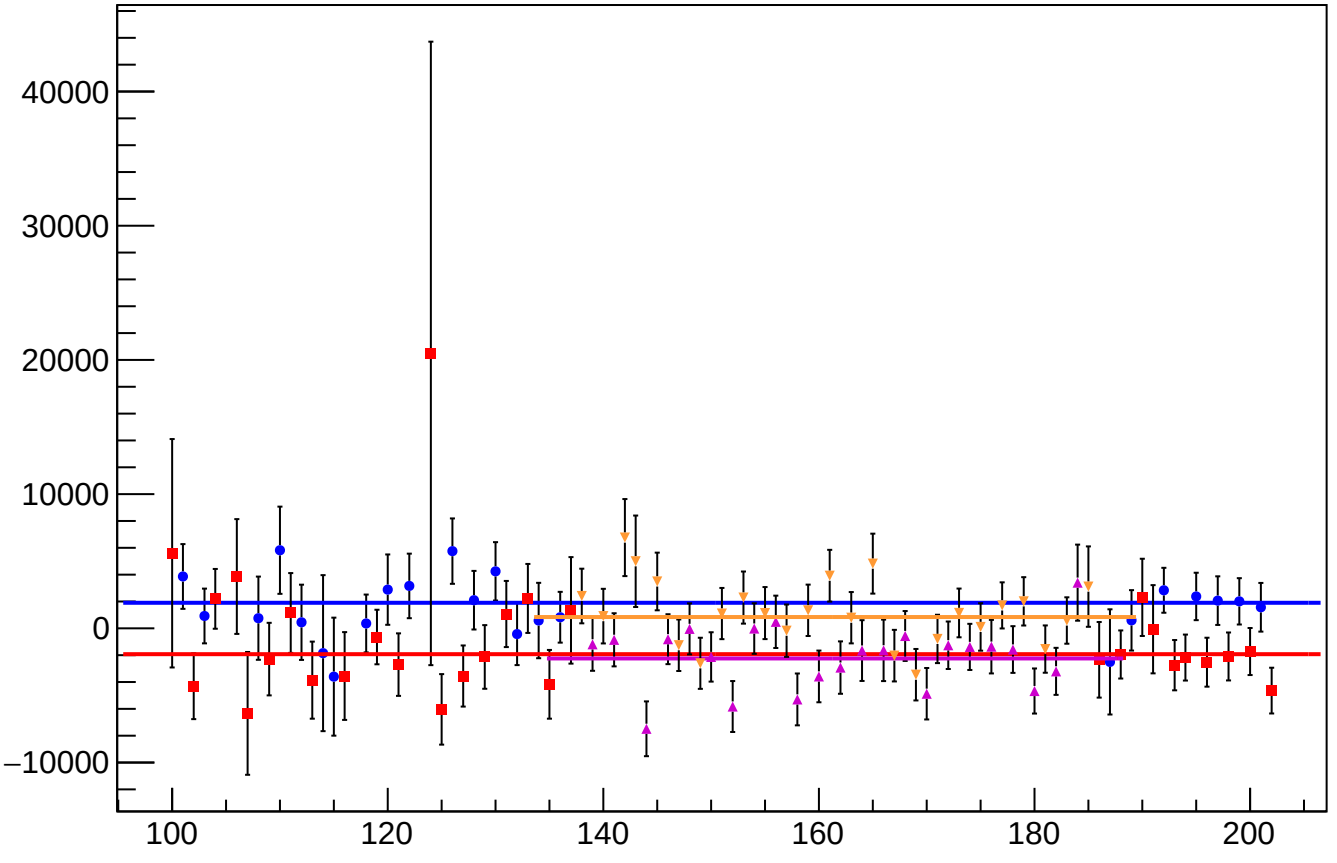
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1380.385+/-0.275 χ^2/NDF: 37601405.1/47

All: 1368.778+/-0.196 χ^2/NDF: 78501827.9/9

- sign 1356.822+/-0.279 χ^2/NDF: 40896811.8/51

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1903.974+/-475.610 χ^2/NDF: 12.9/22

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1925.385+/-447.891 χ^2/NDF: 25.0/28

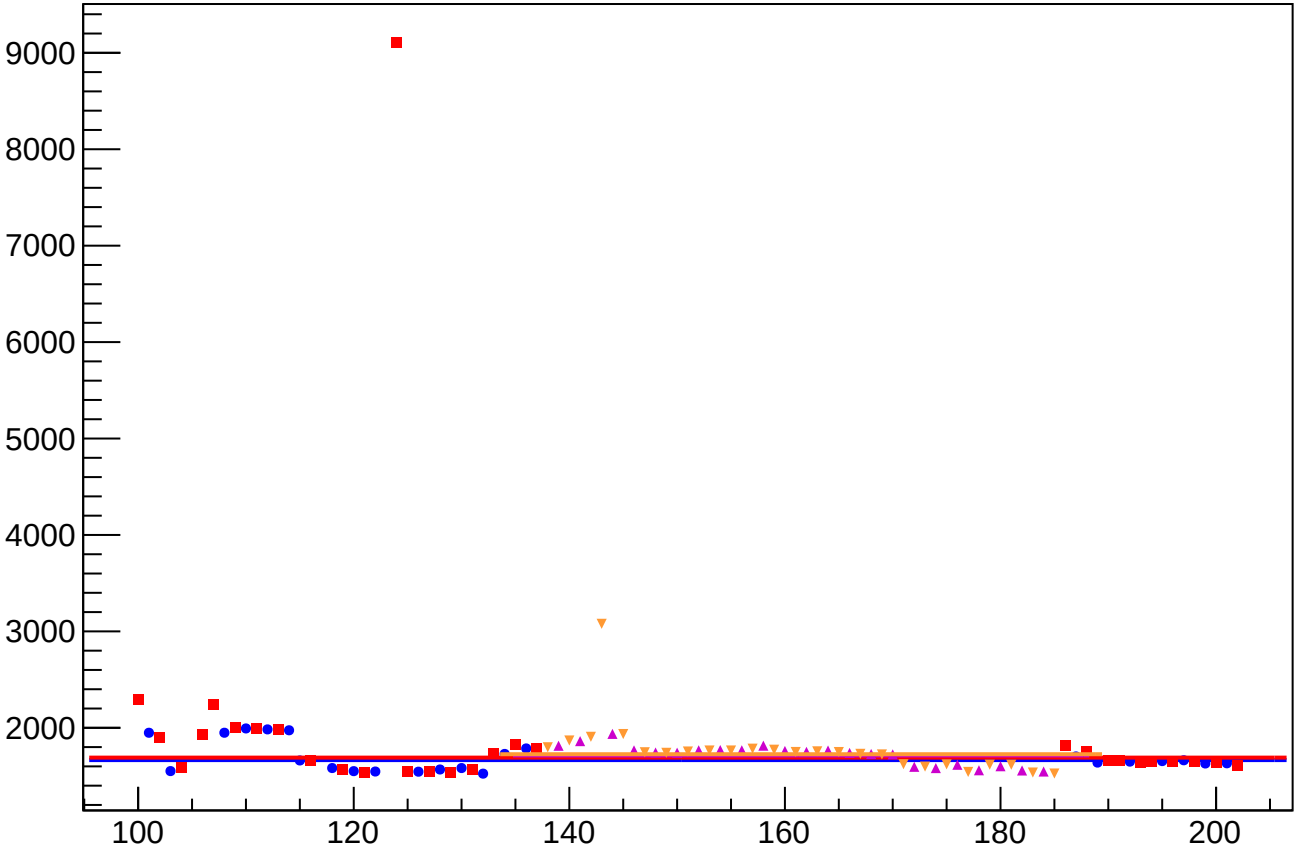
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1274.514+/-303.615 χ^2/NDF: 46.3/47

All: -442.021+/-212.913 χ^2/NDF: 163.9/99

- sign -2102.924+/-298.655 χ^2/NDF: 54.7/51

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1665.175+/-0.336 χ^2/NDF: 144587.6/22

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1690.869+/-0.316 χ^2/NDF: 406026.6/28

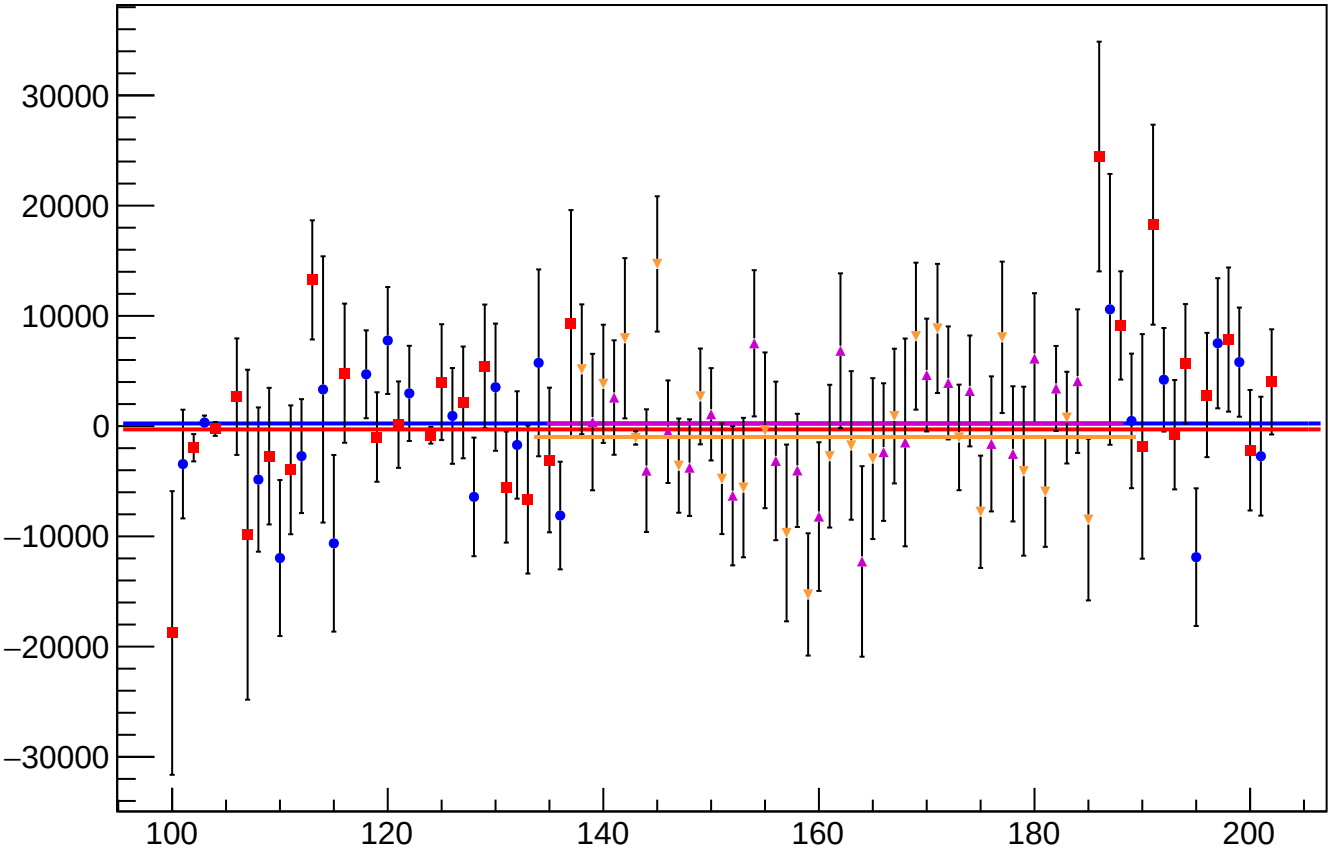
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1701.247+/-0.215 χ^2/NDF: 618936.1/47

All: 1702.253+/-0.150 χ^2/NDF: 1157052.9/99

- sign 1703.224+/-0.211 χ^2/NDF: 538073.6/51

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 239.753+/-560.101 χ^2/NDF: 24.1/22

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

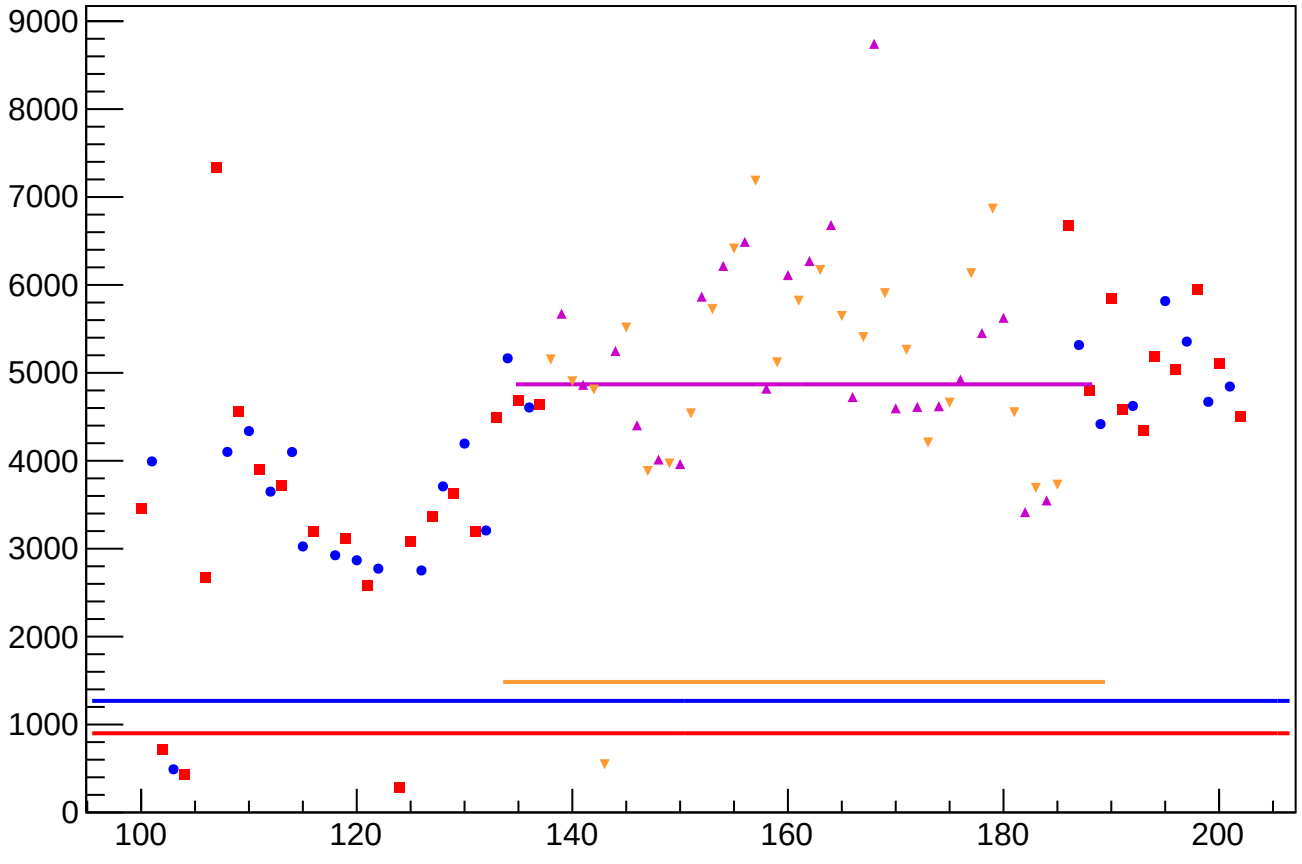
Right Out: -296.674+/-419.880 χ^2/NDF: 35.1/28

Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -394.786+/-389.209 χ^2/NDF: 57.4/47

All: -316.095+/-277.240 χ^2/NDF: 106.4/99

- sign -235.041+/-395.009 χ^2/NDF: 48.9/51



Right In: 1268.901+/-0.396 χ^2/NDF: 14222610.3/22

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 900.546+/-0.297 χ^2/NDF: 18877594.1/28

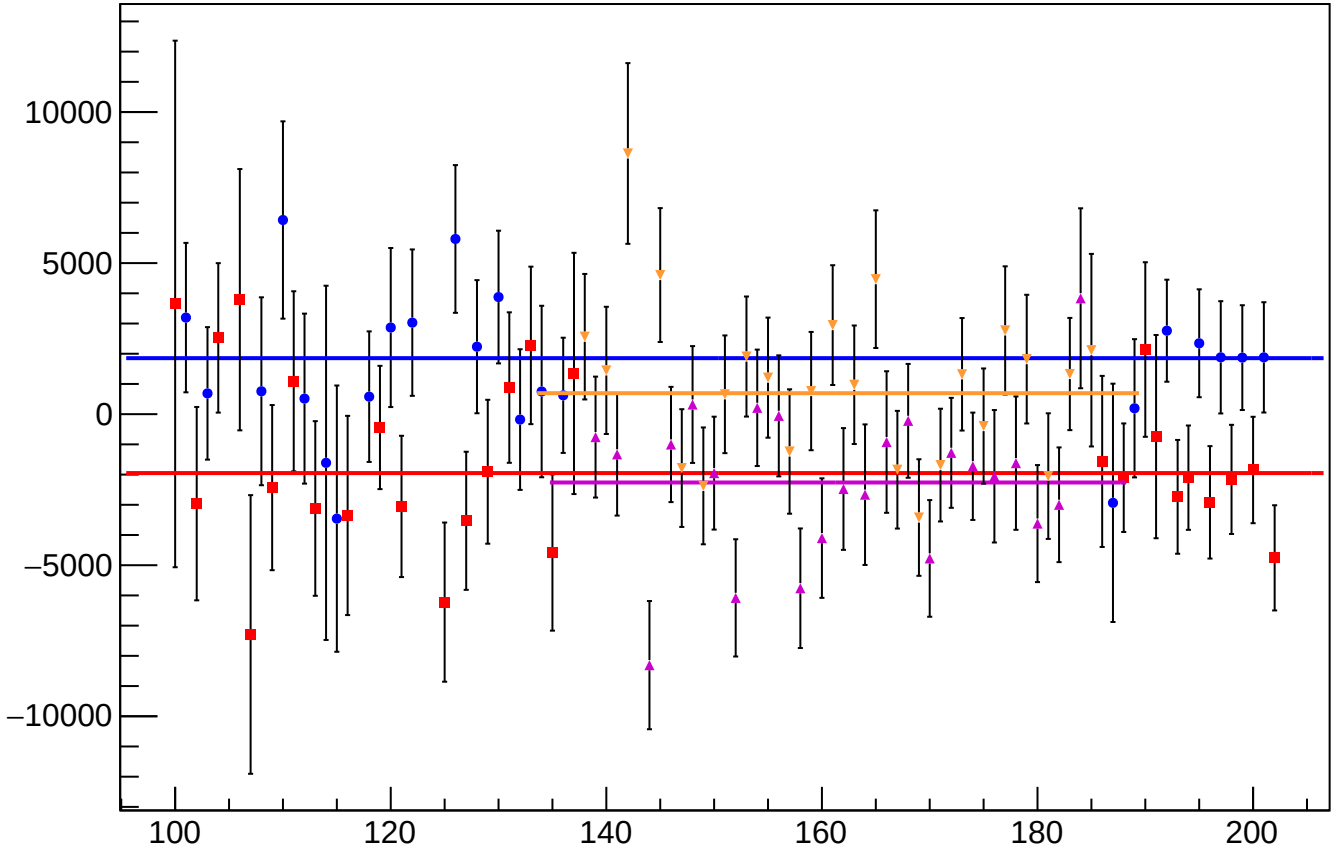
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1380.385+/-0.275 χ^2/NDF: 37601405.1/47

All: 1368.778+/-0.196 χ^2/NDF: 78501827.9/9

- sign 1356.822+/-0.279 χ^2/NDF: 40896811.8/51

dit_asym_atl_avg_mean vs Slug



Right In: 1853.654+/-481.653 χ^2/NDF: 12.6/22

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1949.871+/-456.643 χ^2/NDF: 23.0/27

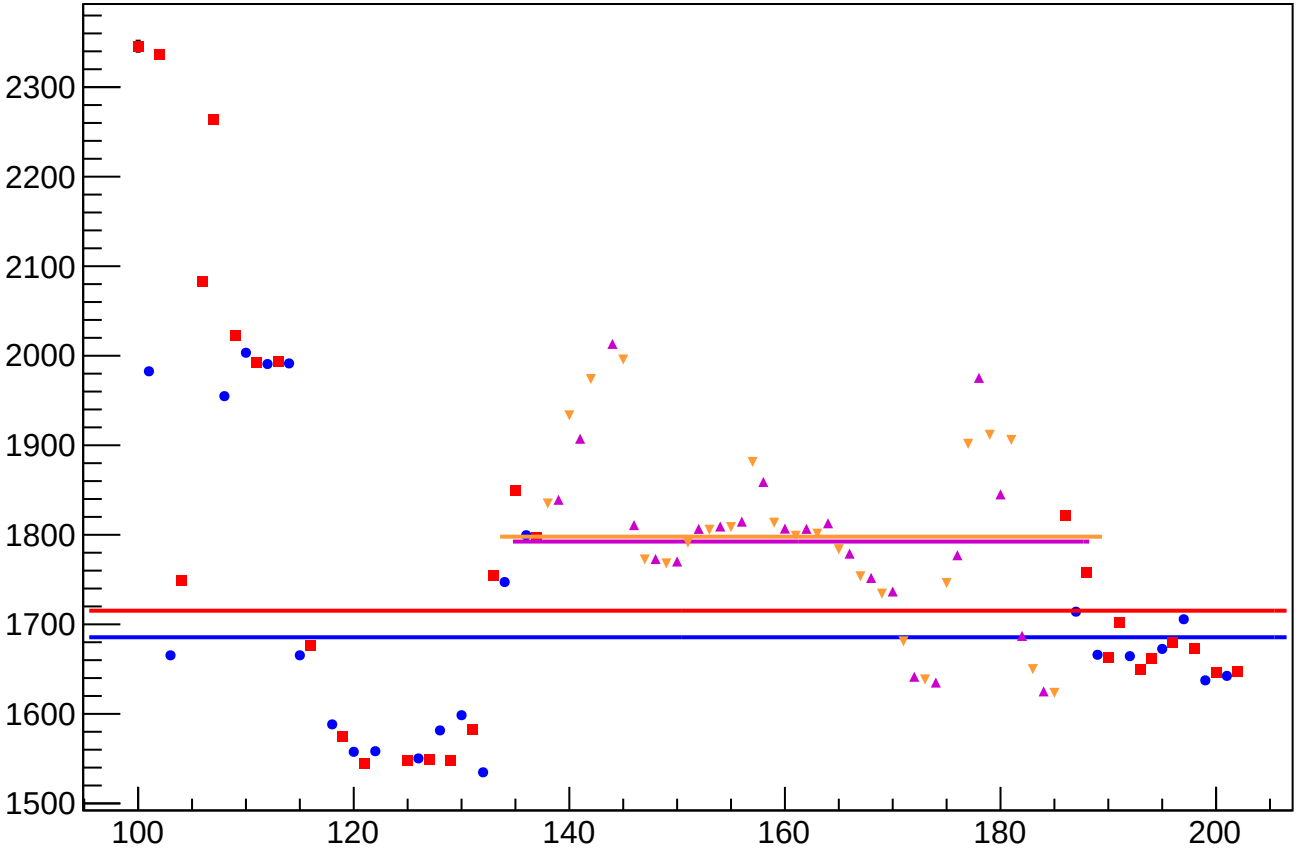
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1192.437+/-315.716 χ^2/NDF: 48.1/46

All: -500.018+/-220.759 χ^2/NDF: 158.1/97

- sign -2119.137+/-308.800 χ^2/NDF: 53.7/50

dit_asym_atl_avg_rms vs Slug



Right In: 1685.570+/-0.341 χ^2/NDF: 140060.7/22

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1715.260+/-0.323 χ^2/NDF: 271174.9/27

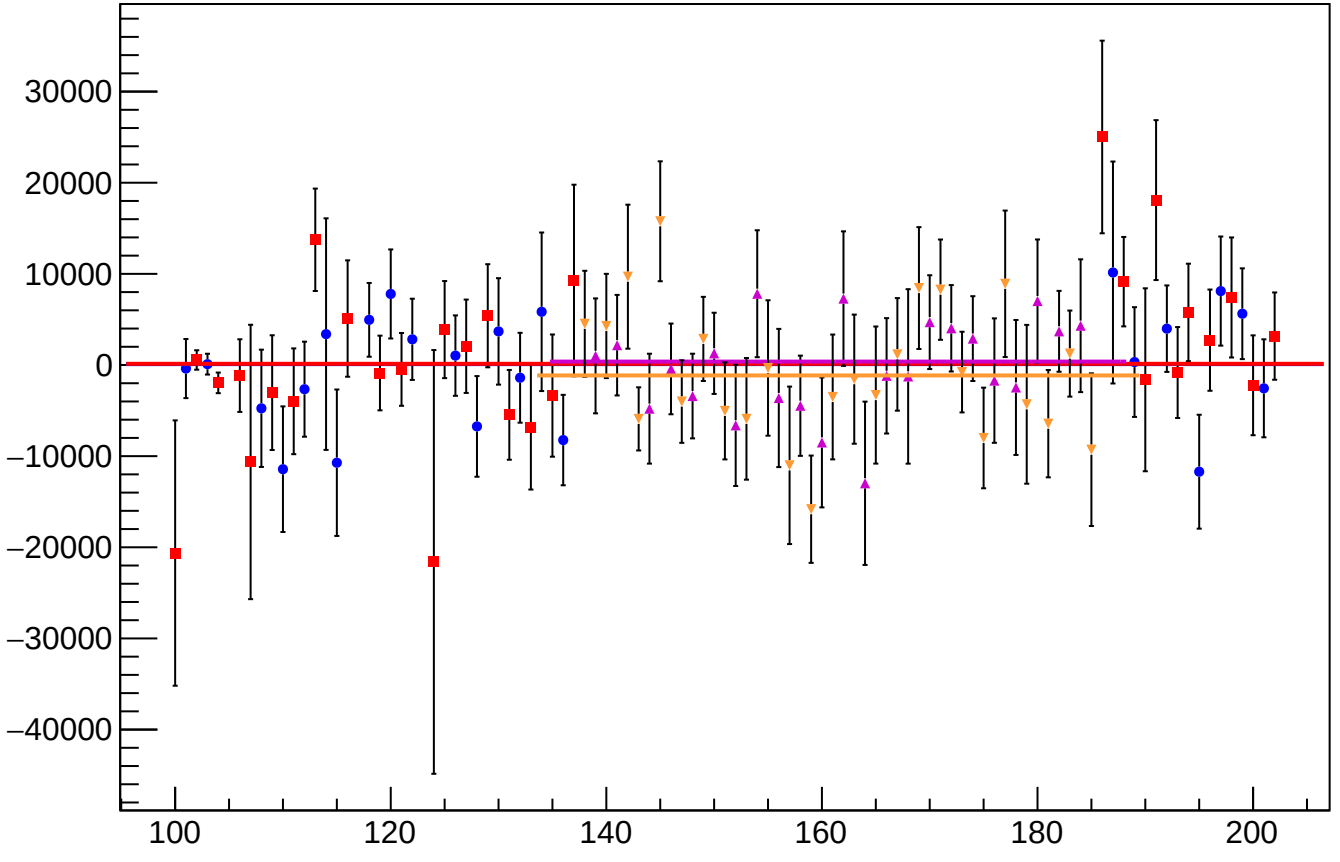
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1749.642+/-0.223 χ^2/NDF: 300115.7/46

All: 1753.460+/-0.156 χ^2/NDF: 695788.5/97

- sign 1757.110+/-0.218 χ^2/NDF: 395100.6/50

asym_atl_avg_dit_correction_mean vs Slug



Right In: 99.559+/-806.982 χ^2/NDF: 23.3/22

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 130.236+/-639.009 χ^2/NDF: 35.6/28

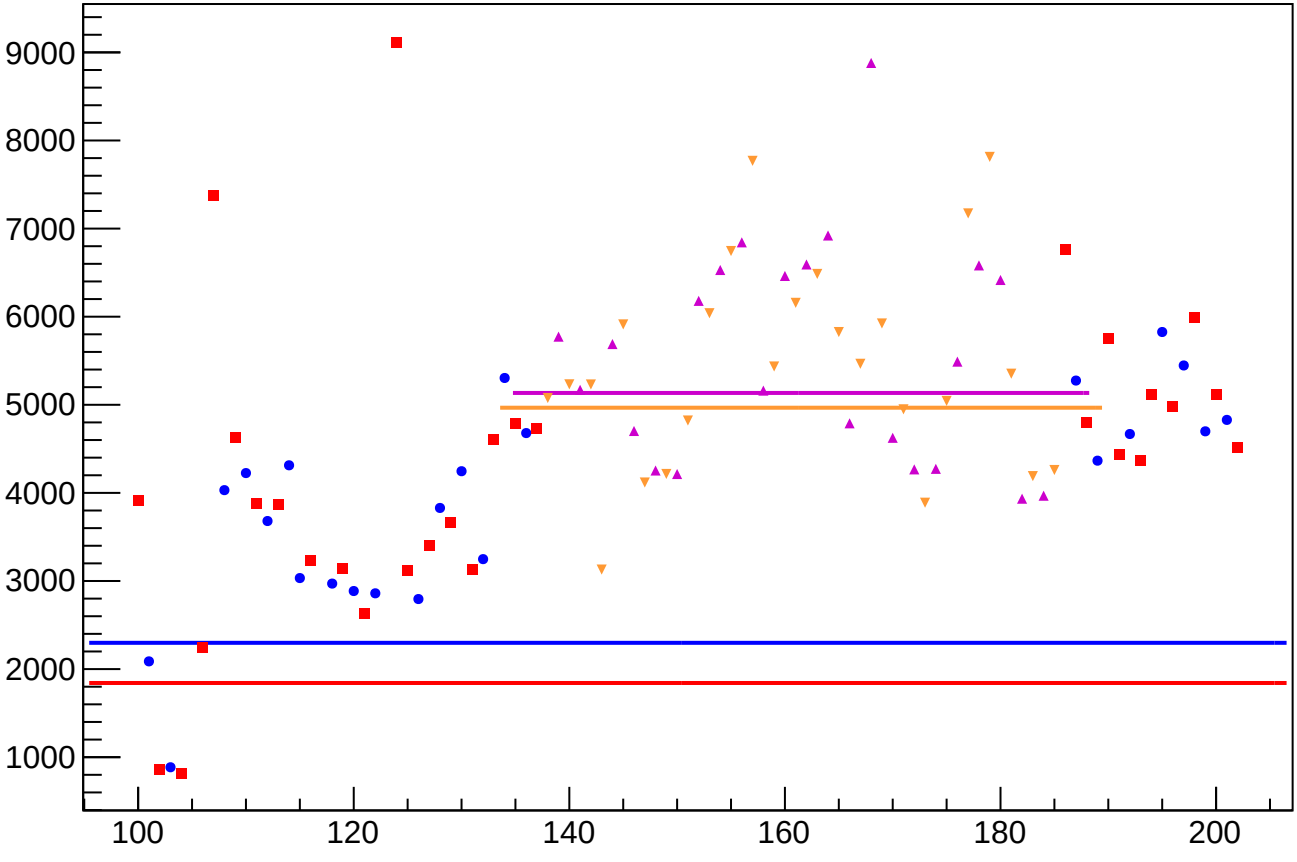
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -304.039+/-663.276 χ^2/NDF: 56.7/47

All: -22.994+/-430.953 χ^2/NDF: 105.9/99

\- sign 182.329+/-566.924 χ^2/NDF: 48.9/51

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2298.278+/-0.571 χ^2/NDF: 7825959.4/22

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1842.338+/-0.452 χ^2/NDF: 12348537.9/28

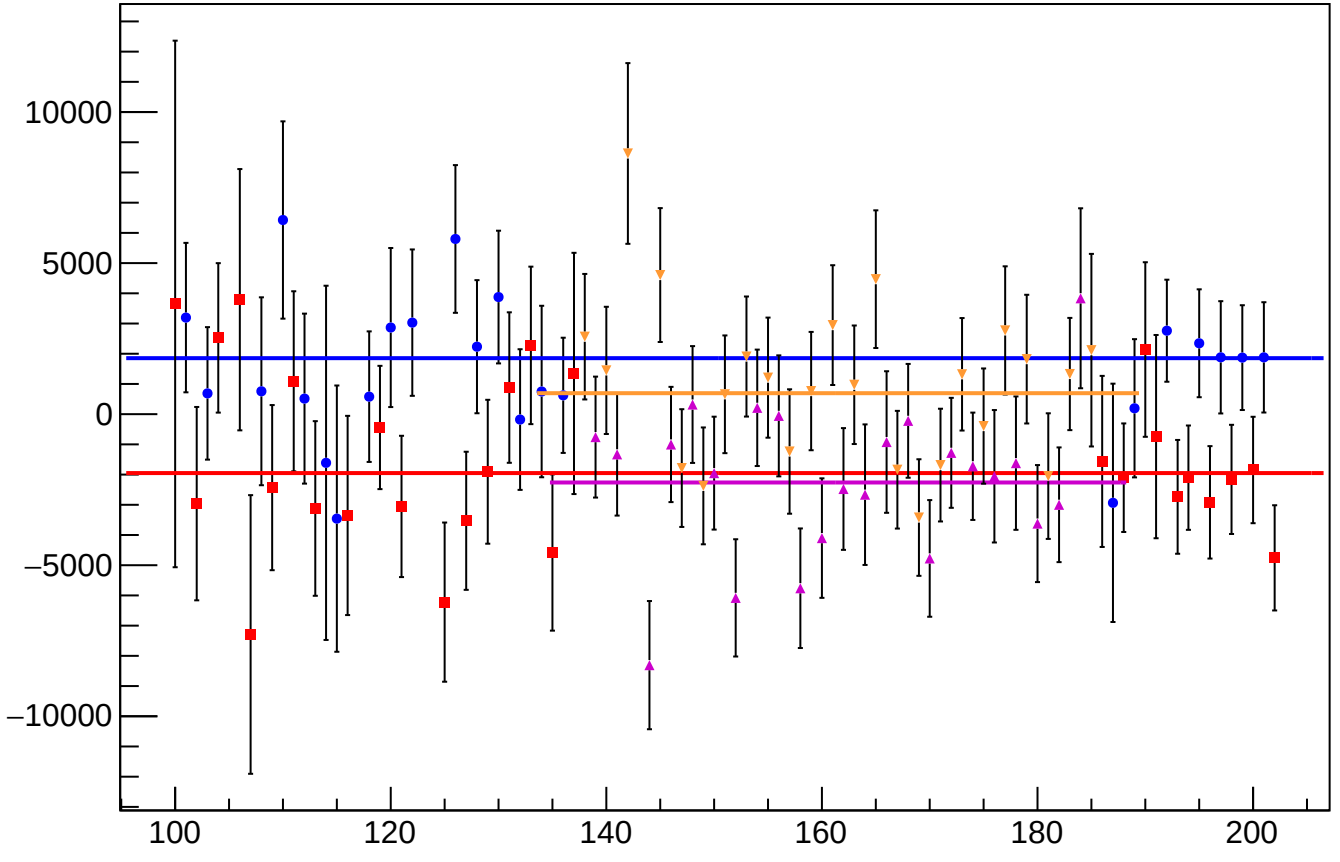
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3164.092+/-0.469 χ^2/NDF: 16839839.1/47

All: 2805.312+/-0.305 χ^2/NDF: 42989281.2/9

- sign 2543.199+/-0.401 χ^2/NDF: 25136728.3/51

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1853.650+/-481.653 χ^2/NDF: 12.6/22

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1949.869+/-456.643 χ^2/NDF: 23.0/27

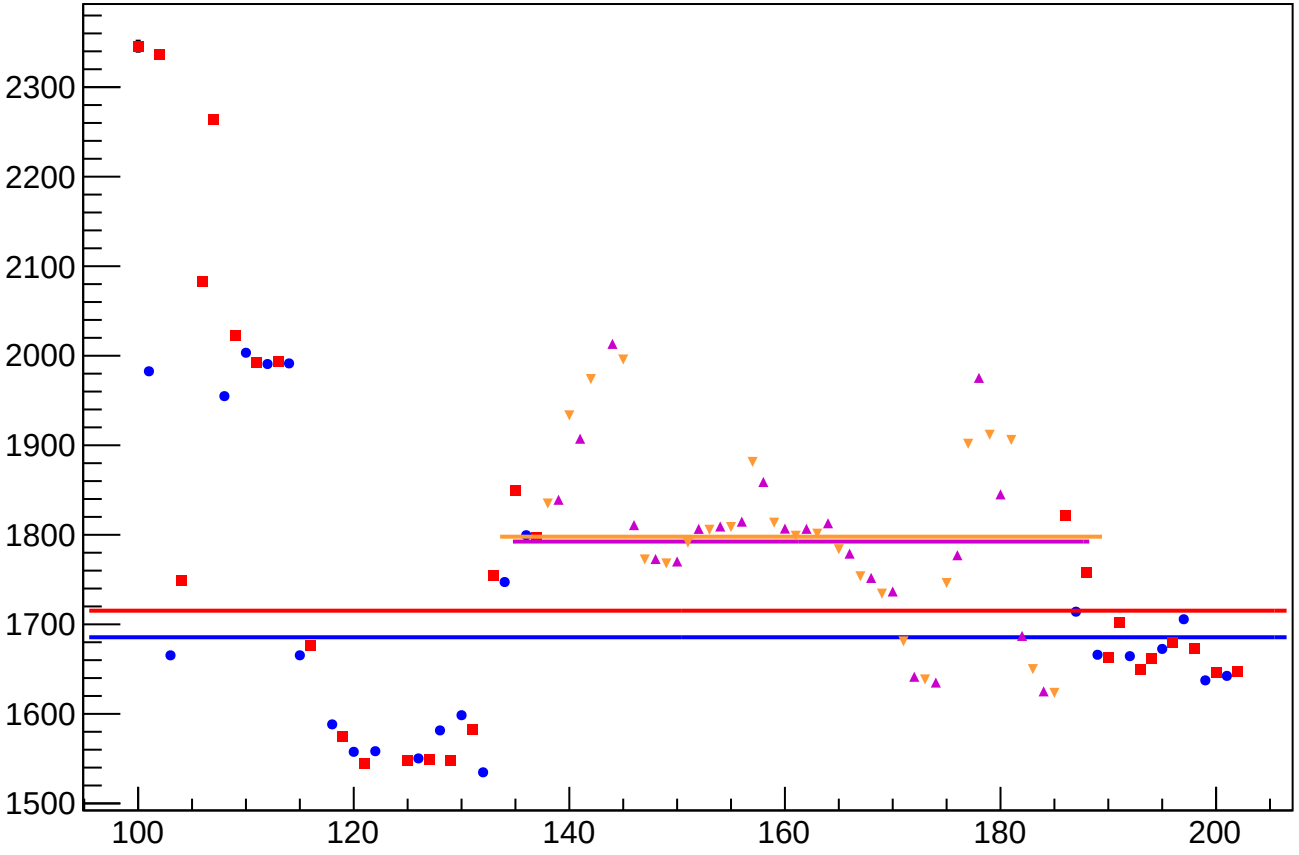
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1192.433+/-315.716 χ^2/NDF: 48.1/46

All: -500.019+/-220.759 χ^2/NDF: 158.1/97

- sign -2119.136+/-308.800 χ^2/NDF: 53.7/50

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1685.570+/-0.341 χ^2/NDF: 140060.9/22

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

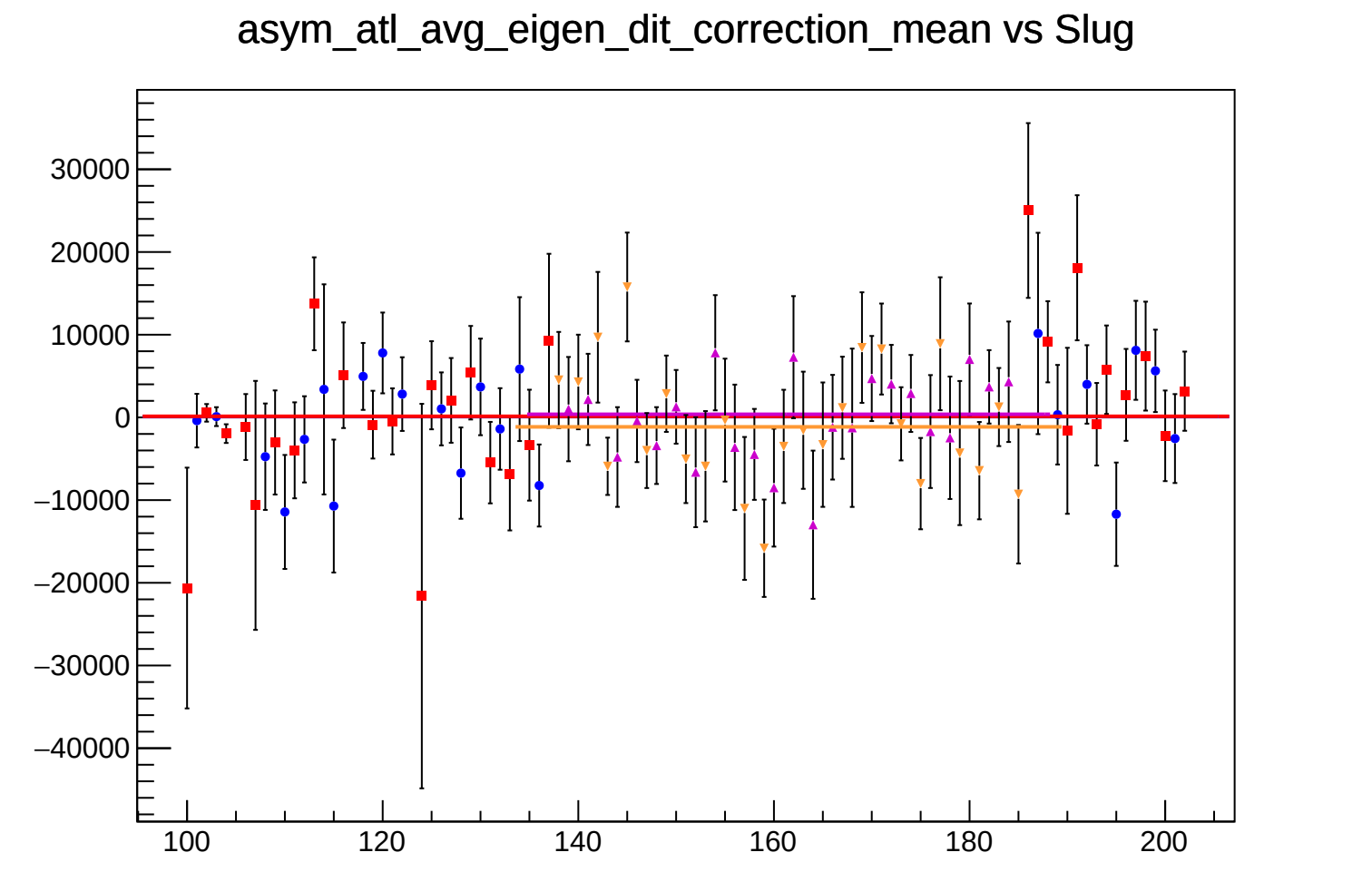
Right Out: 1715.260+/-0.323 χ^2/NDF: 271174.2/27

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1749.642+/-0.223 χ^2/NDF: 300120.9/46

All: 1753.461+/-0.156 χ^2/NDF: 695797.4/97

- sign 1757.110+/-0.218 χ^2/NDF: 395104.3/50



Right In: 99.560+/-806.978 χ^2/NDF: 23.3/22

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 130.230+/-639.005 χ^2/NDF: 35.6/28

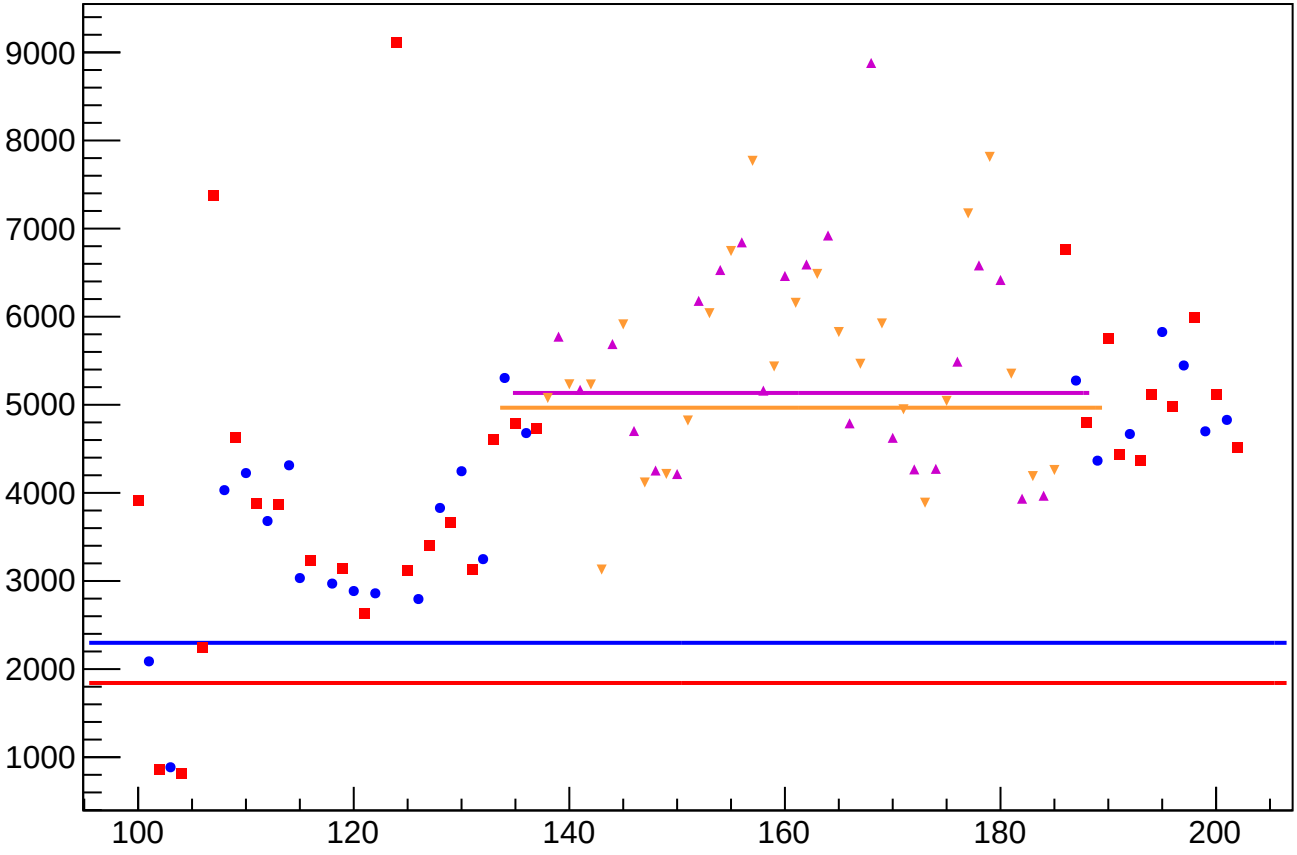
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -304.036+/-663.274 χ^2/NDF: 56.7/47

All: -22.995+/-430.952 χ^2/NDF: 105.9/99

- sign 182.323+/-566.921 χ^2/NDF: 48.9/51

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2298.260+/-0.571 χ^2/NDF: 7826043.8/22

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1842.321+/-0.452 χ^2/NDF: 12348637.3/28

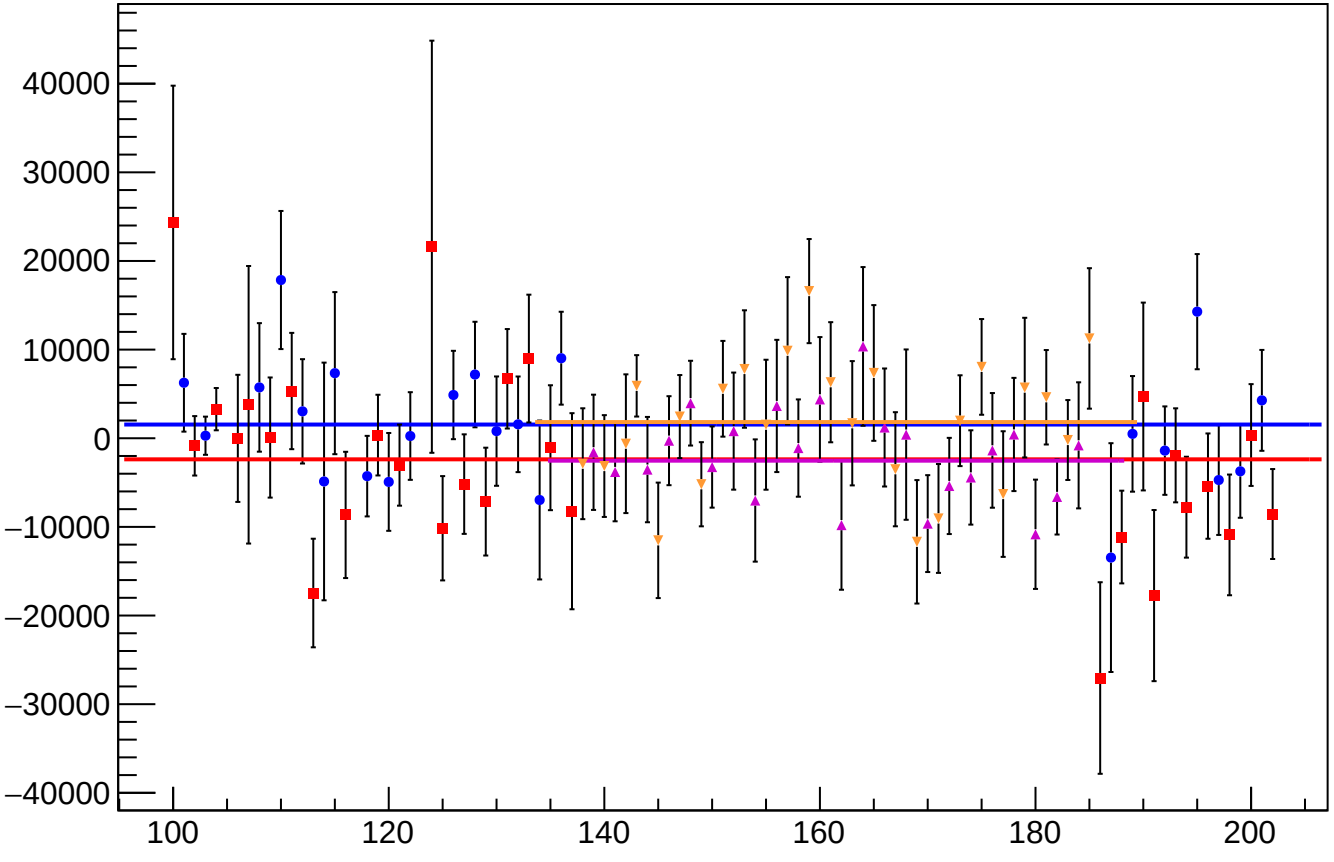
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3164.074+/-0.469 χ^2/NDF: 16840079.9/47

All: 2805.292+/-0.305 χ^2/NDF: 42989817.5/9

- sign 2543.178+/-0.401 χ^2/NDF: 25137008.8/51

asym_atl_avg_mean vs Slug



Right In: 1546.452+/-1106.084 χ^2/NDF: 21.7/22

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -2378.153+/-1054.636 χ^2/NDF: 42.4/28

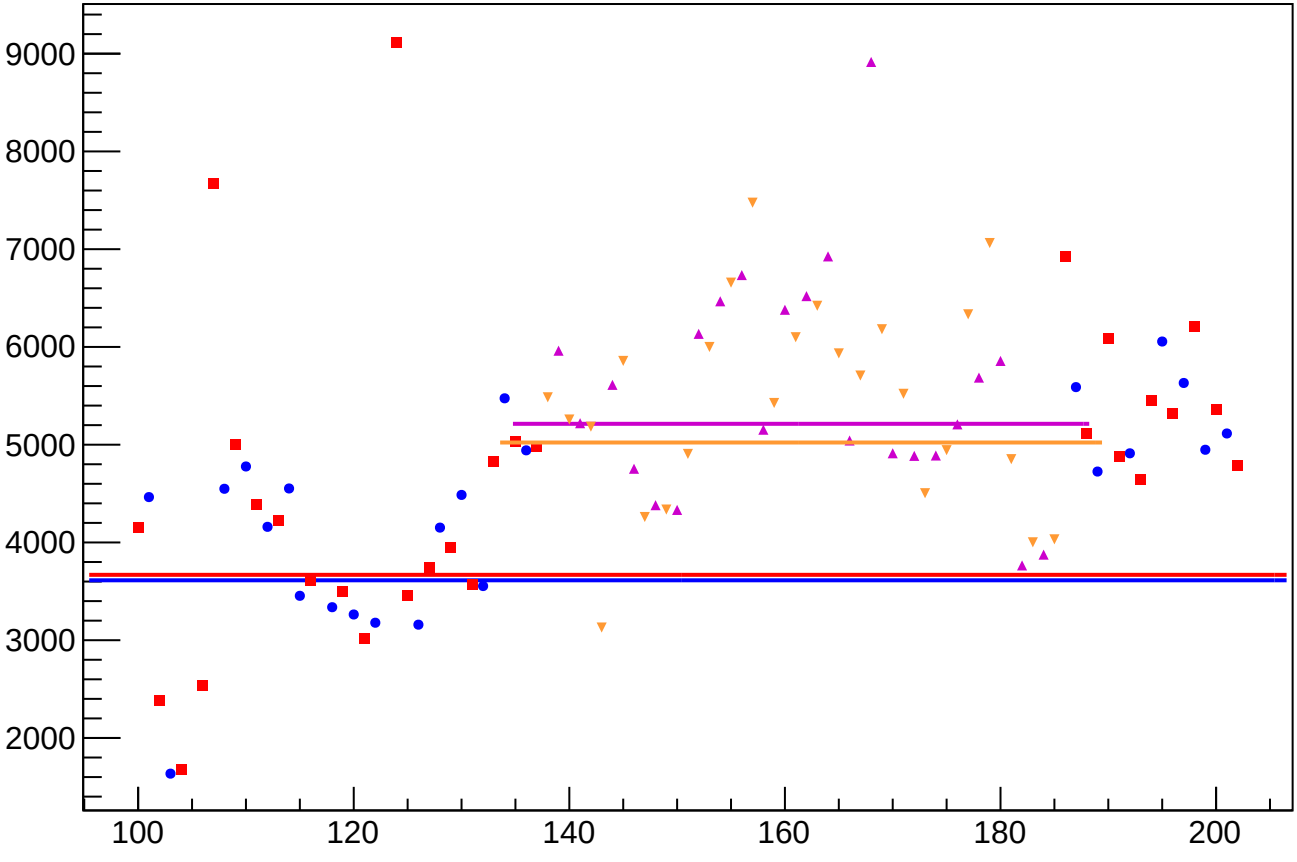
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1678.182+/-804.568 χ^2/NDF: 52.8/47

All: -383.350+/-568.686 χ^2/NDF: 121.5/99

- sign -2441.559+/-803.919 χ^2/NDF: 55.6/51

asym_atl_avg_rms vs Slug



Right In: 3612.844+/-0.782 χ^2/NDF: 3164969.2/22

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3668.823+/-0.737 χ^2/NDF: 3801989.3/28

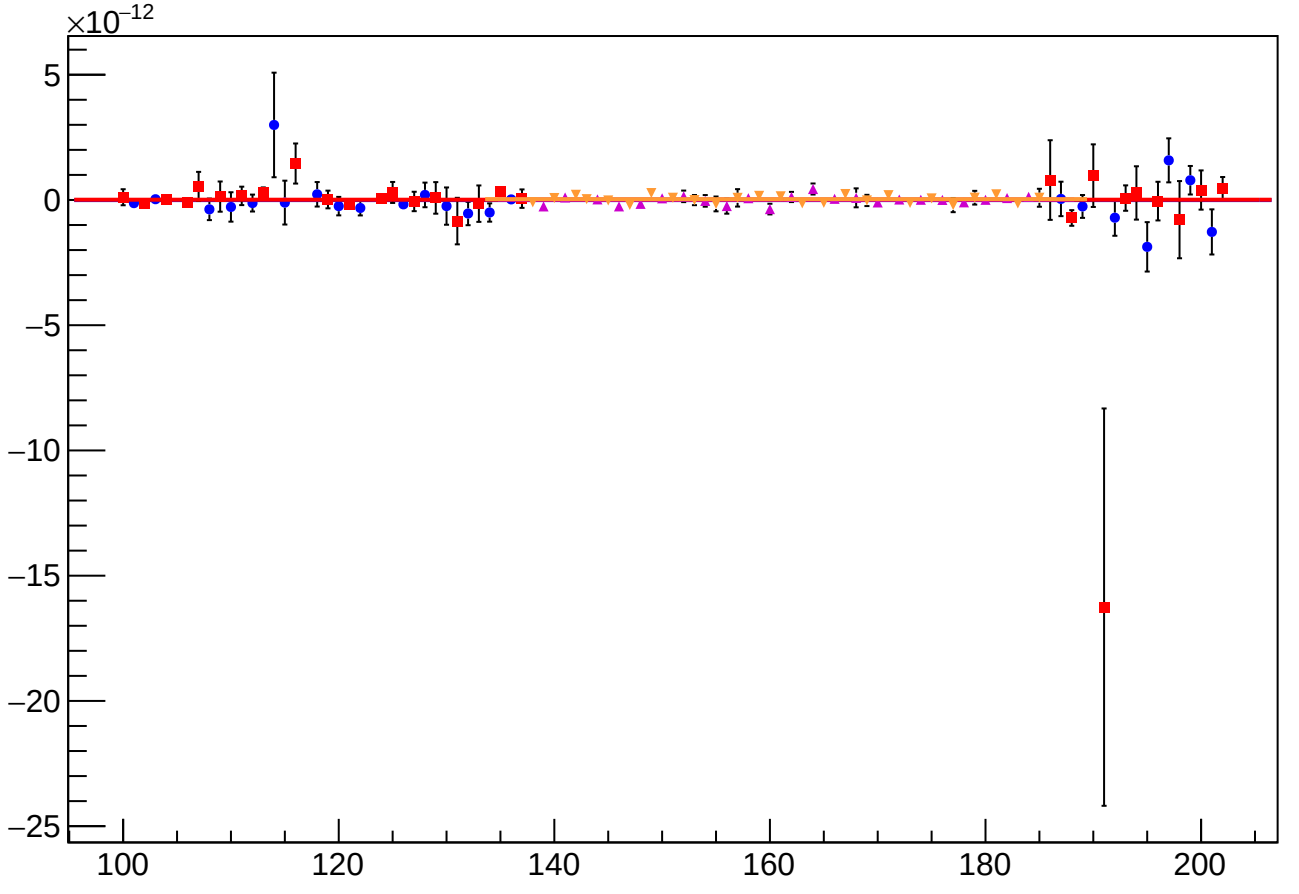
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4276.587+/-0.569 χ^2/NDF: 6371043.6/47

All: 4292.139+/-0.401 χ^2/NDF: 13212548.4/9

- sign 4307.462+/-0.565 χ^2/NDF: 6840021.3/51

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

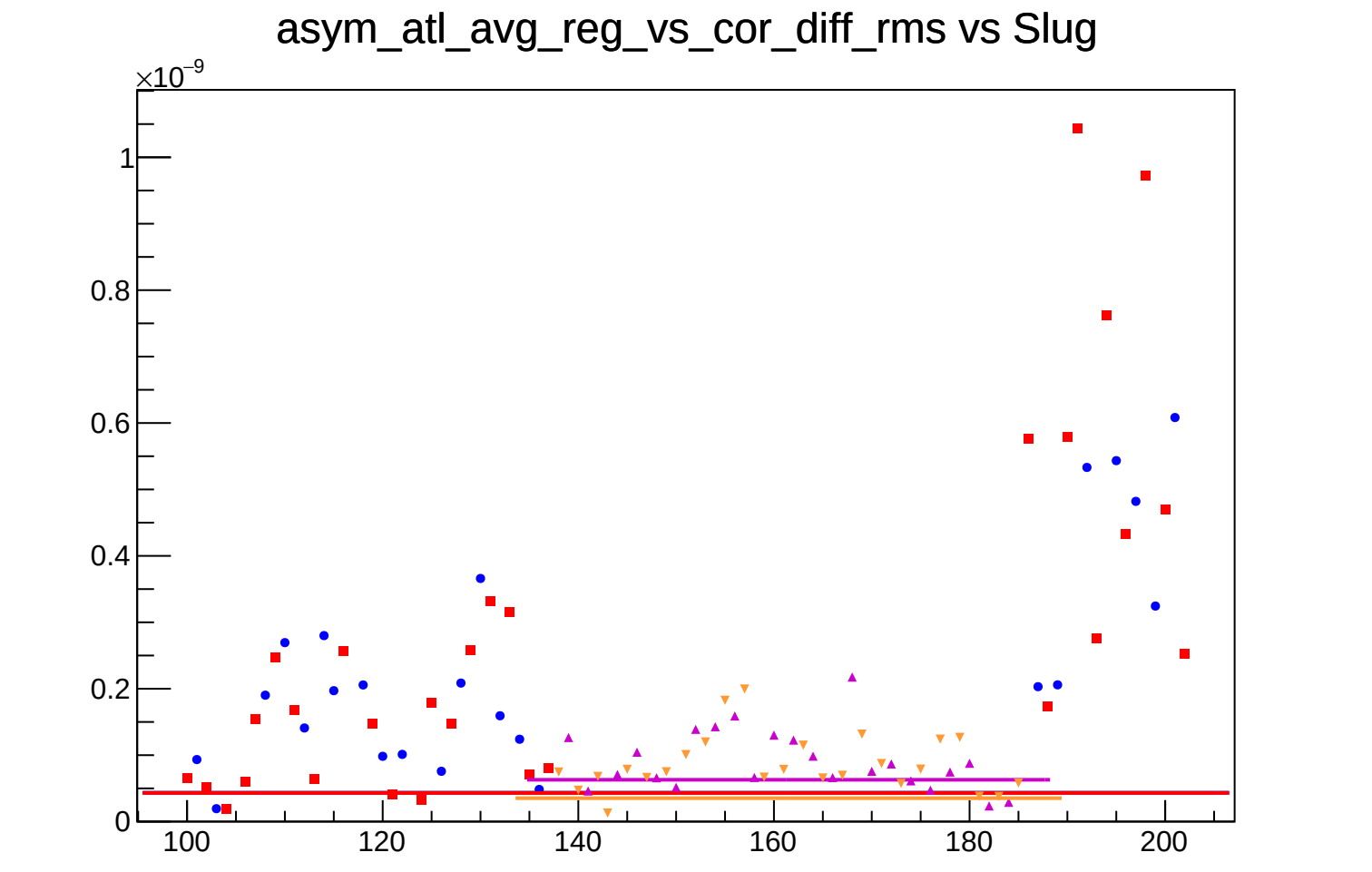
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/28

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.6/47

All: 0.000+/-0.000 χ^2/NDF: 94.9/99

- sign 0.000+/-0.000 χ^2/NDF: 46.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 6506239.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7330831.8/28

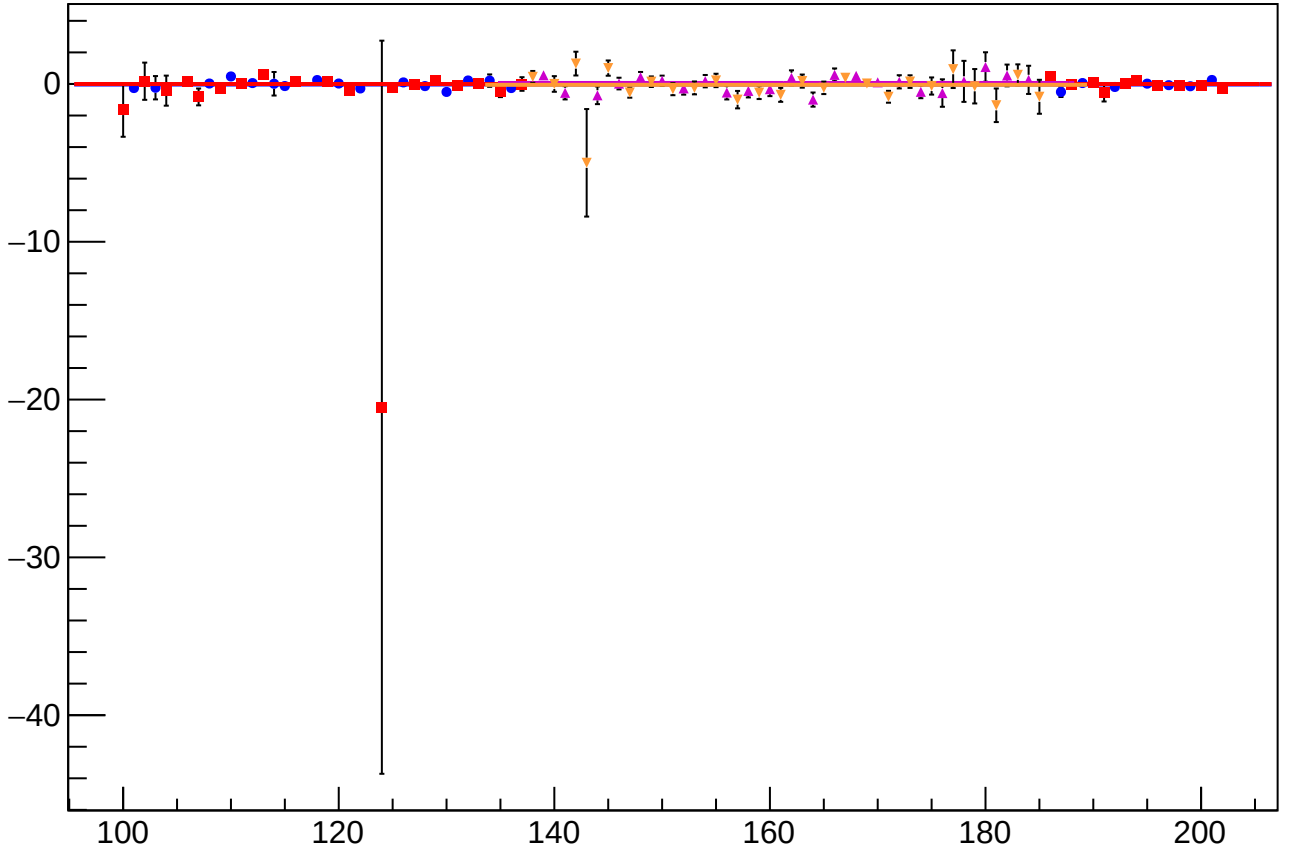
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13109605.5/47

All: 0.000+/-0.000 χ^2/NDF: 24677304.3/99

- sign 0.000+/-0.000 χ^2/NDF: 10704149.1/51

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.033+/-0.047 χ^2/NDF: 23.1/22

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.003+/-0.039 χ^2/NDF: 30.9/28

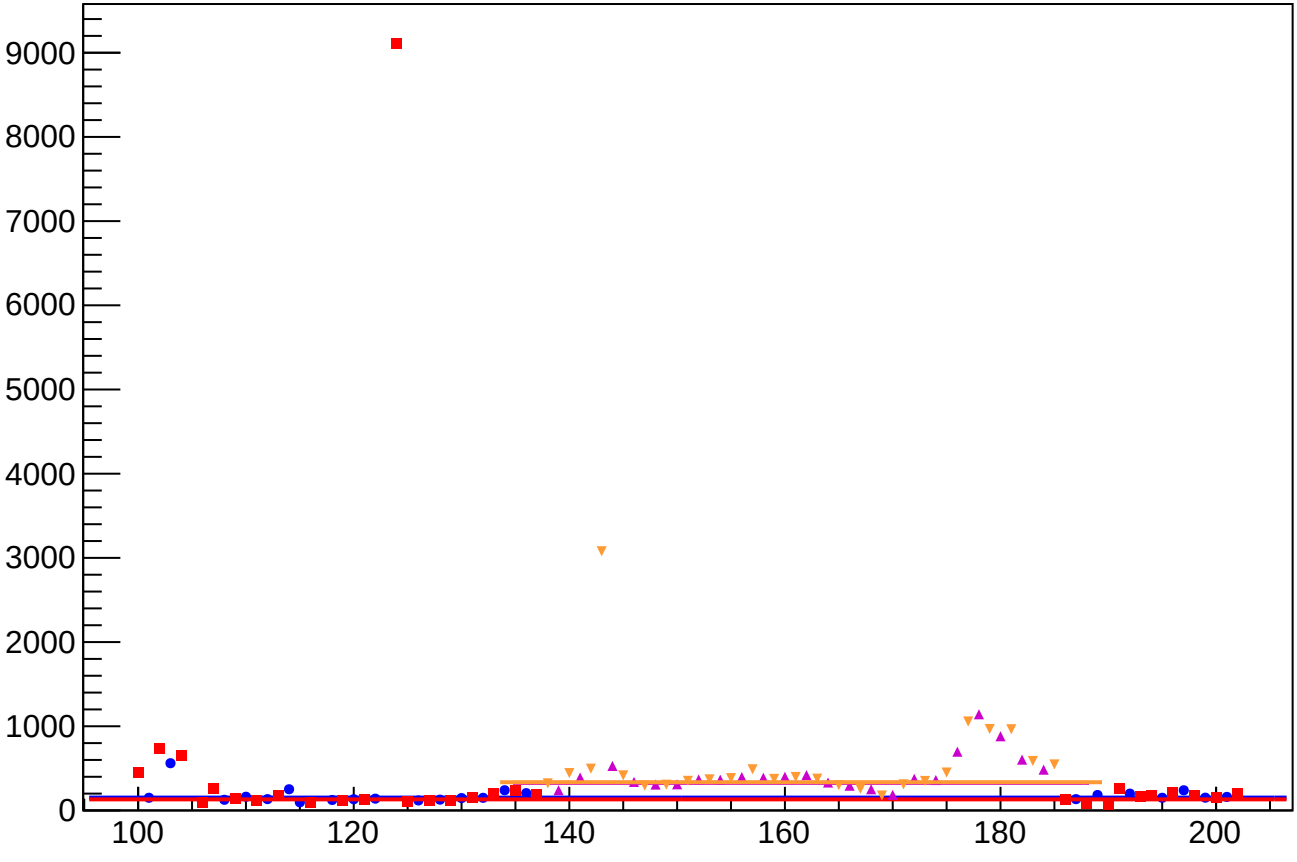
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.038+/-0.041 χ^2/NDF: 56.3/47

All: -0.011+/-0.027 χ^2/NDF: 116.5/99

- sign 0.009+/-0.036 χ^2/NDF: 59.5/51

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 152.744+/-0.033 χ^2/NDF: 1495945.8/22

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

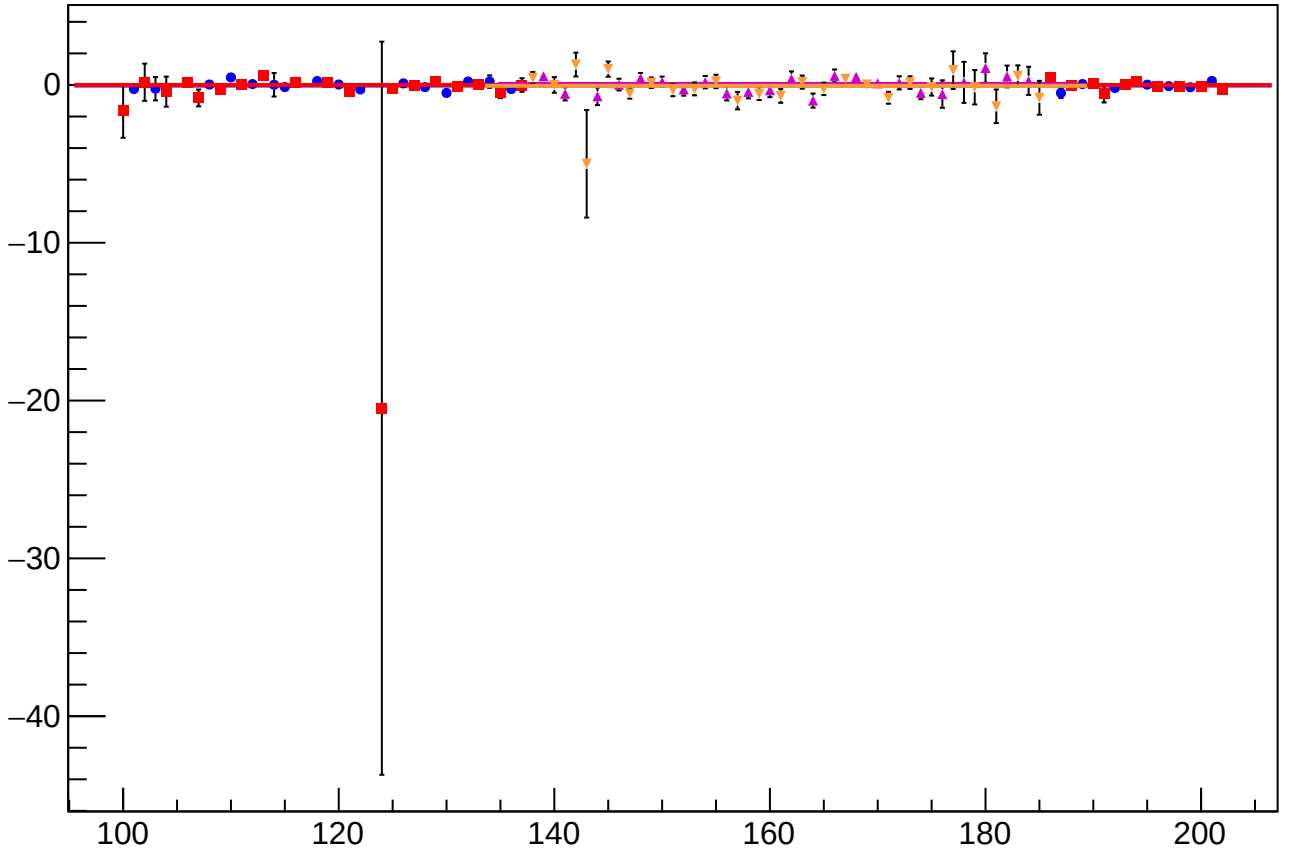
Right Out: 131.711+/-0.028 χ^2/NDF: 3850357.1/28

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 195.283+/-0.029 χ^2/NDF: 14477011.7/47

All: 179.820+/-0.019 χ^2/NDF: 32112715.2/99

- sign 168.054+/-0.025 χ^2/NDF: 17131266.4/51



Right In: -0.033+/-0.047 χ^2/NDF: 23.1/22

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.003+/-0.039 χ^2/NDF: 30.9/28

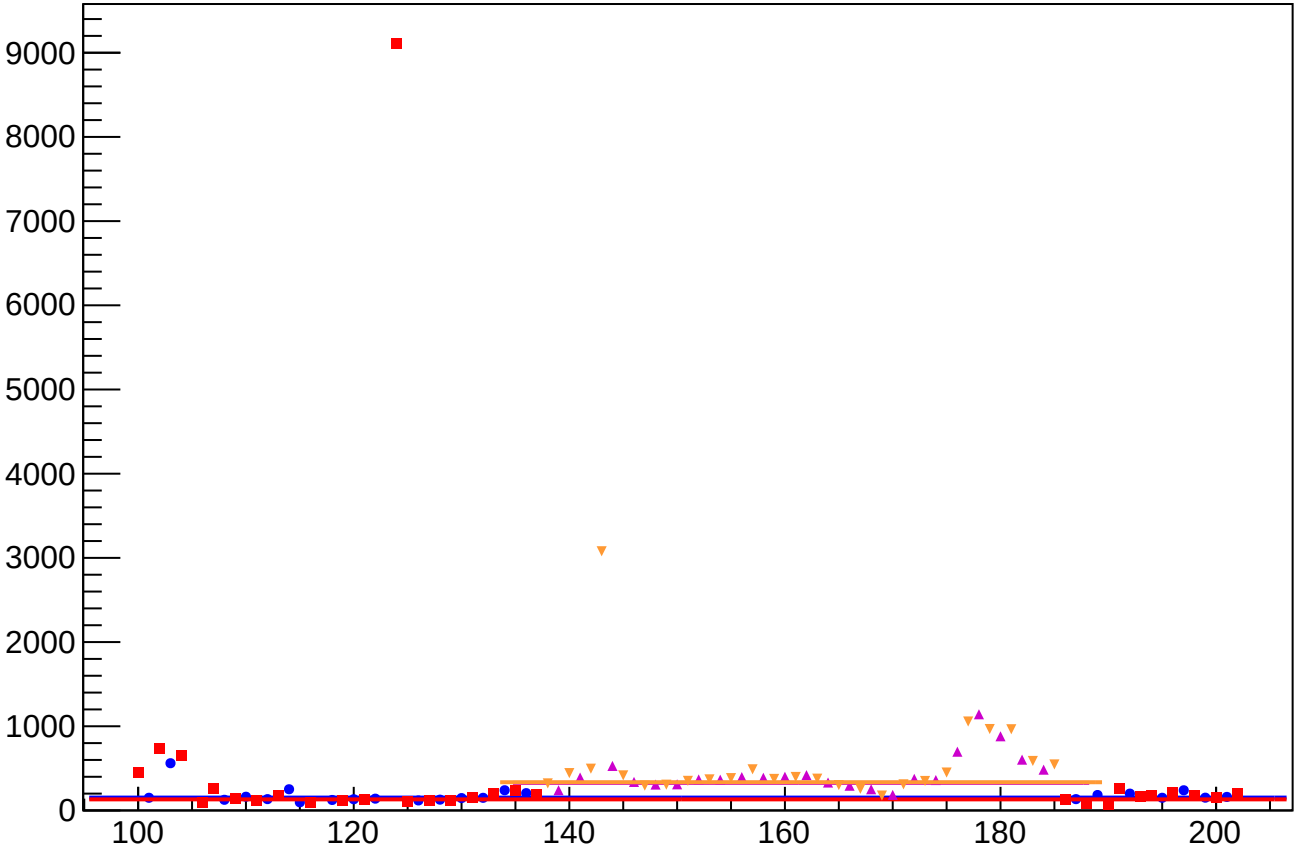
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.038+/-0.041 χ^2/NDF: 56.3/47

All: -0.011+/-0.027 χ^2/NDF: 116.5/99

- sign 0.009+/-0.036 χ^2/NDF: 59.5/51

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.744+/-0.033 χ^2/NDF: 1495945.8/22

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

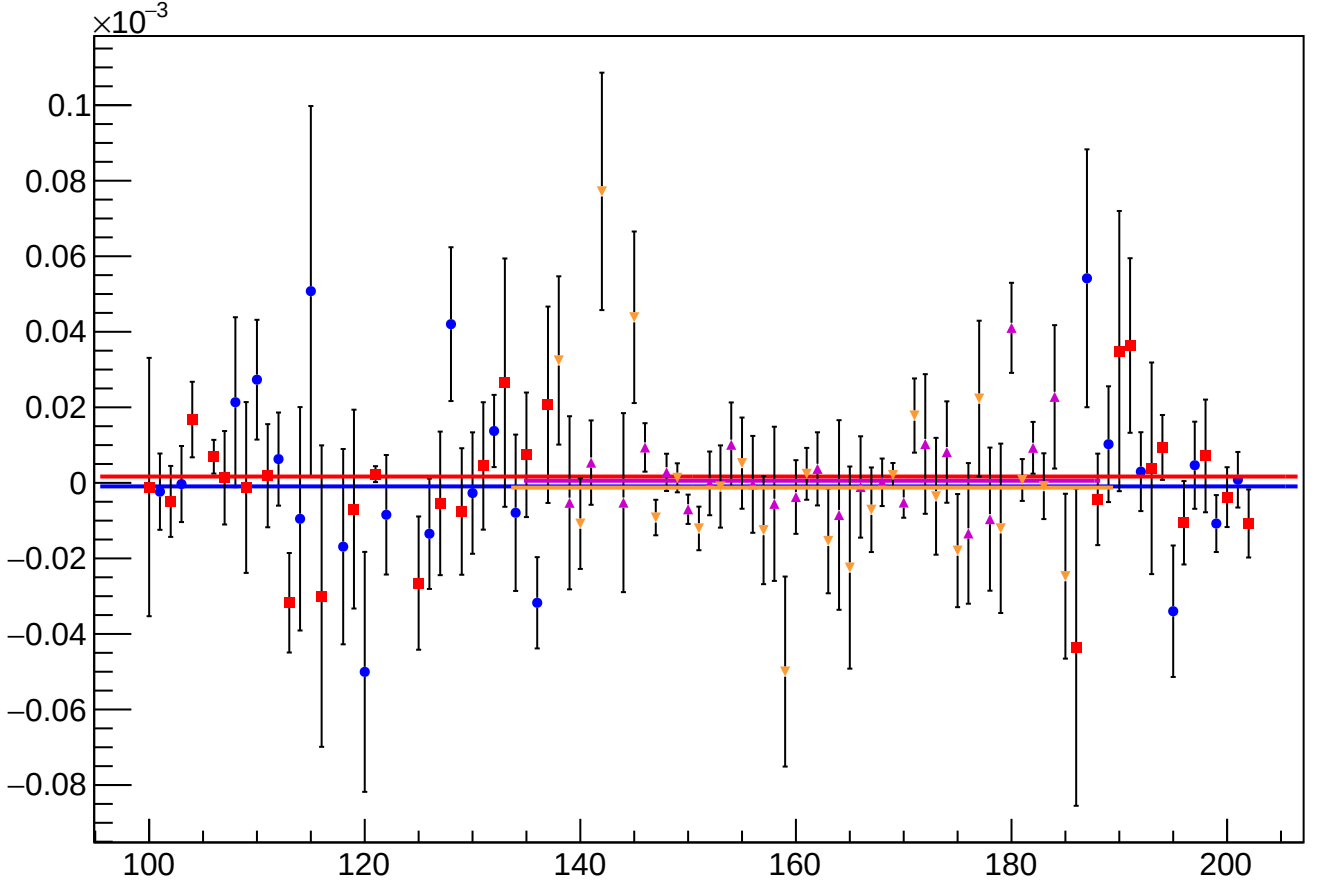
Right Out: 131.711+/-0.028 χ^2/NDF: 3850357.1/28

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 195.283+/-0.029 χ^2/NDF: 14477011.7/47

All: 179.820+/-0.019 χ^2/NDF: 32112715.2/99

- sign 168.054+/-0.025 χ^2/NDF: 17131266.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 31.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/27

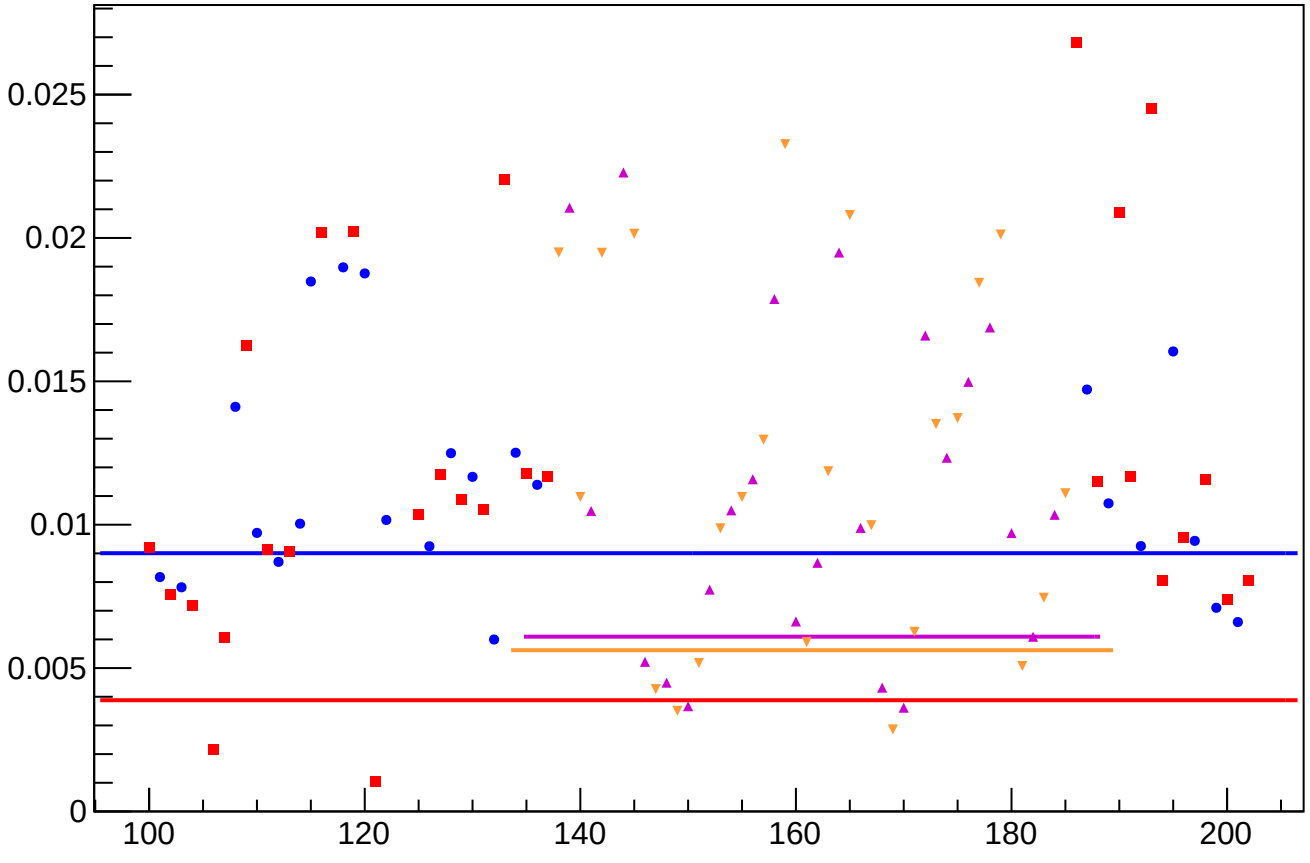
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.5/46

All: 0.000+/-0.000 χ^2/NDF: 119.6/97

- sign 0.000+/-0.000 χ^2/NDF: 50.4/50

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1923689.1/22

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14834308.8/27

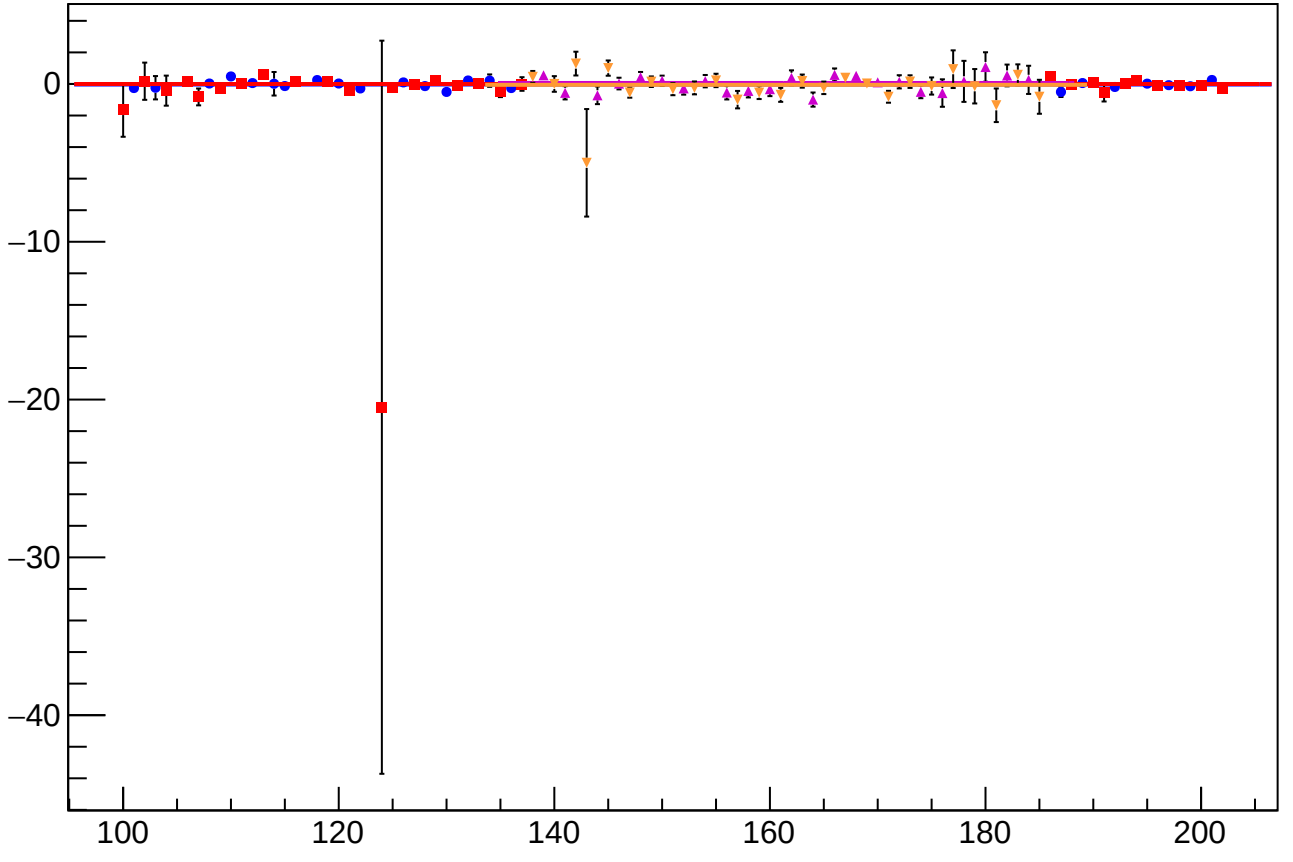
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 15359443.5/46

All: 0.006+/-0.000 χ^2/NDF: 42365397.6/97

- sign 0.005+/-0.000 χ^2/NDF: 25431515.3/50

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.033+/-0.047 χ^2/NDF: 23.1/22

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.003+/-0.039 χ^2/NDF: 30.9/28

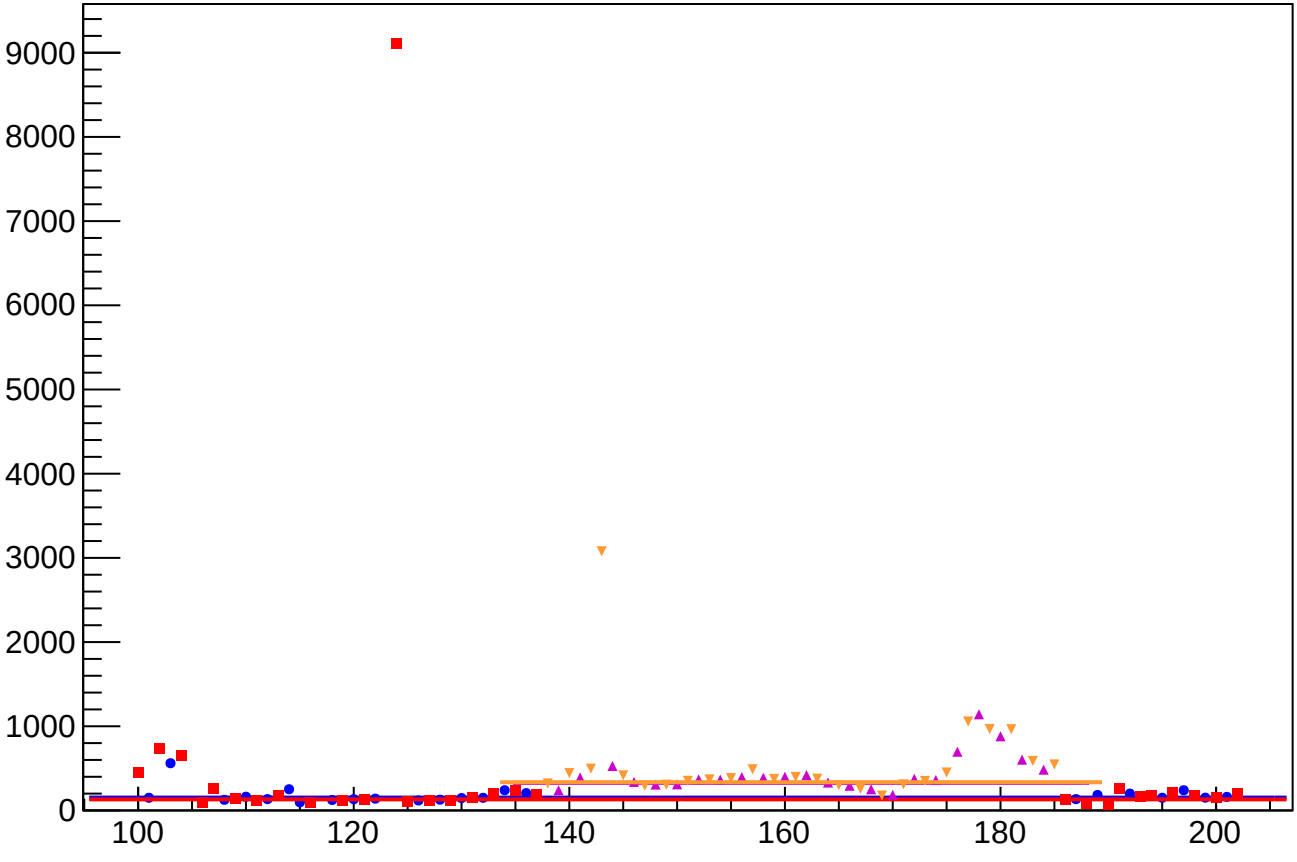
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.038+/-0.041 χ^2/NDF: 56.3/47

All: -0.011+/-0.027 χ^2/NDF: 116.5/99

- sign 0.009+/-0.036 χ^2/NDF: 59.5/51

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 152.743+/-0.033 χ^2/NDF: 1495972.3/22

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

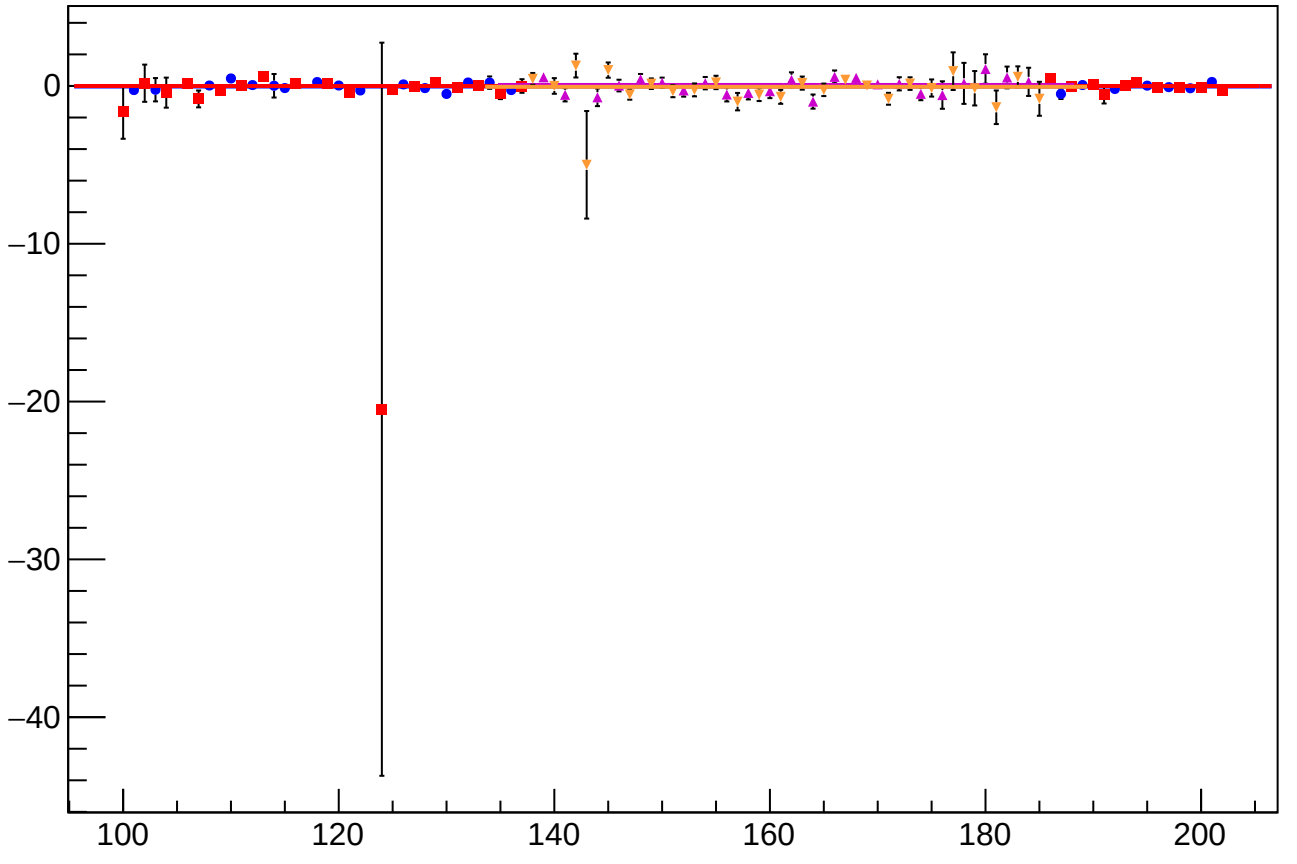
Right Out: 131.709+/-0.028 χ^2/NDF: 3850408.5/28

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 195.282+/-0.029 χ^2/NDF: 14477283.7/47

All: 179.819+/-0.019 χ^2/NDF: 32113432.6/99

- sign 168.052+/-0.025 χ^2/NDF: 17131667.0/51



Right In: -0.033+/-0.047 χ^2/NDF: 23.1/22

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.003+/-0.039 χ^2/NDF: 30.9/28

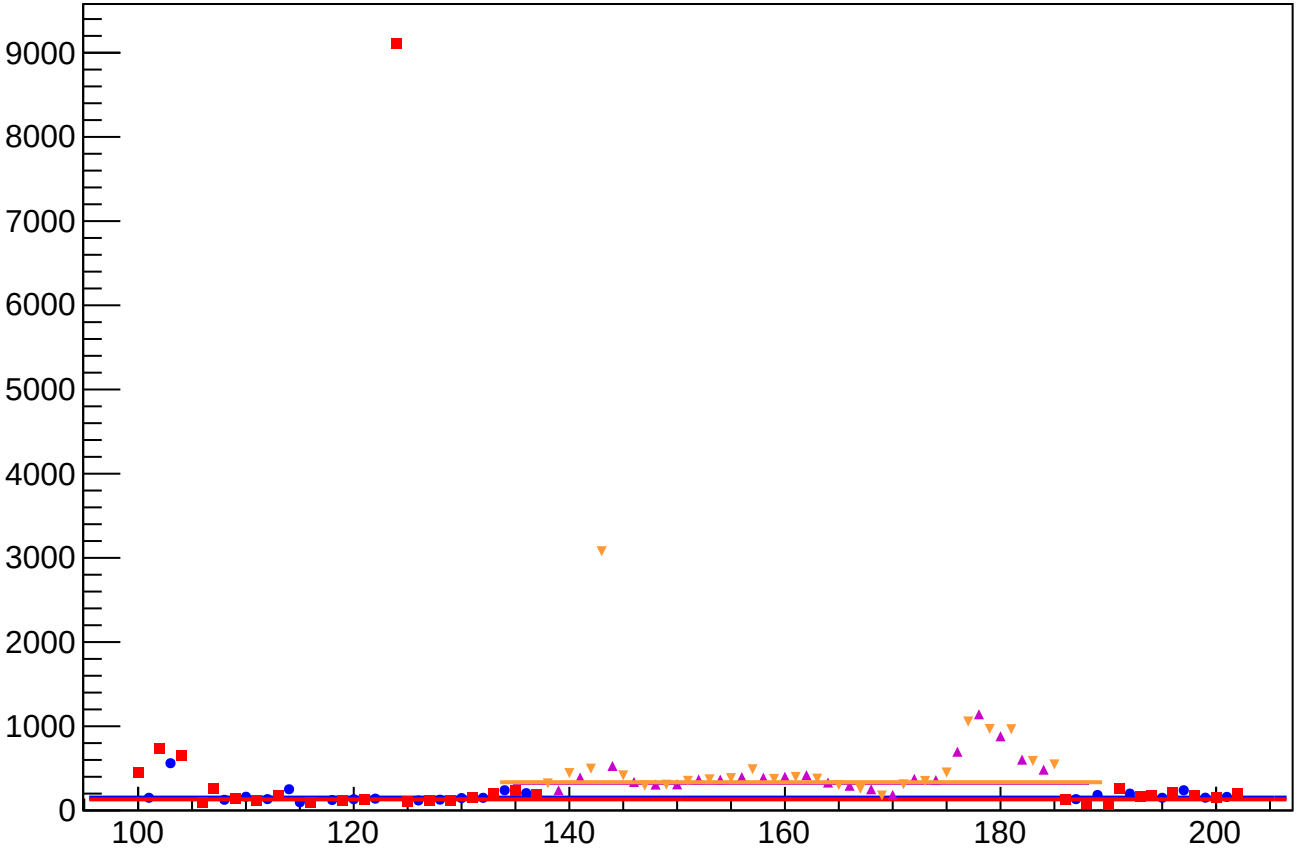
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.038+/-0.041 χ^2/NDF: 56.3/47

All: -0.011+/-0.027 χ^2/NDF: 116.5/99

- sign 0.009+/-0.036 χ^2/NDF: 59.5/51

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.743+/-0.033 χ^2/NDF: 1495972.3/22

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

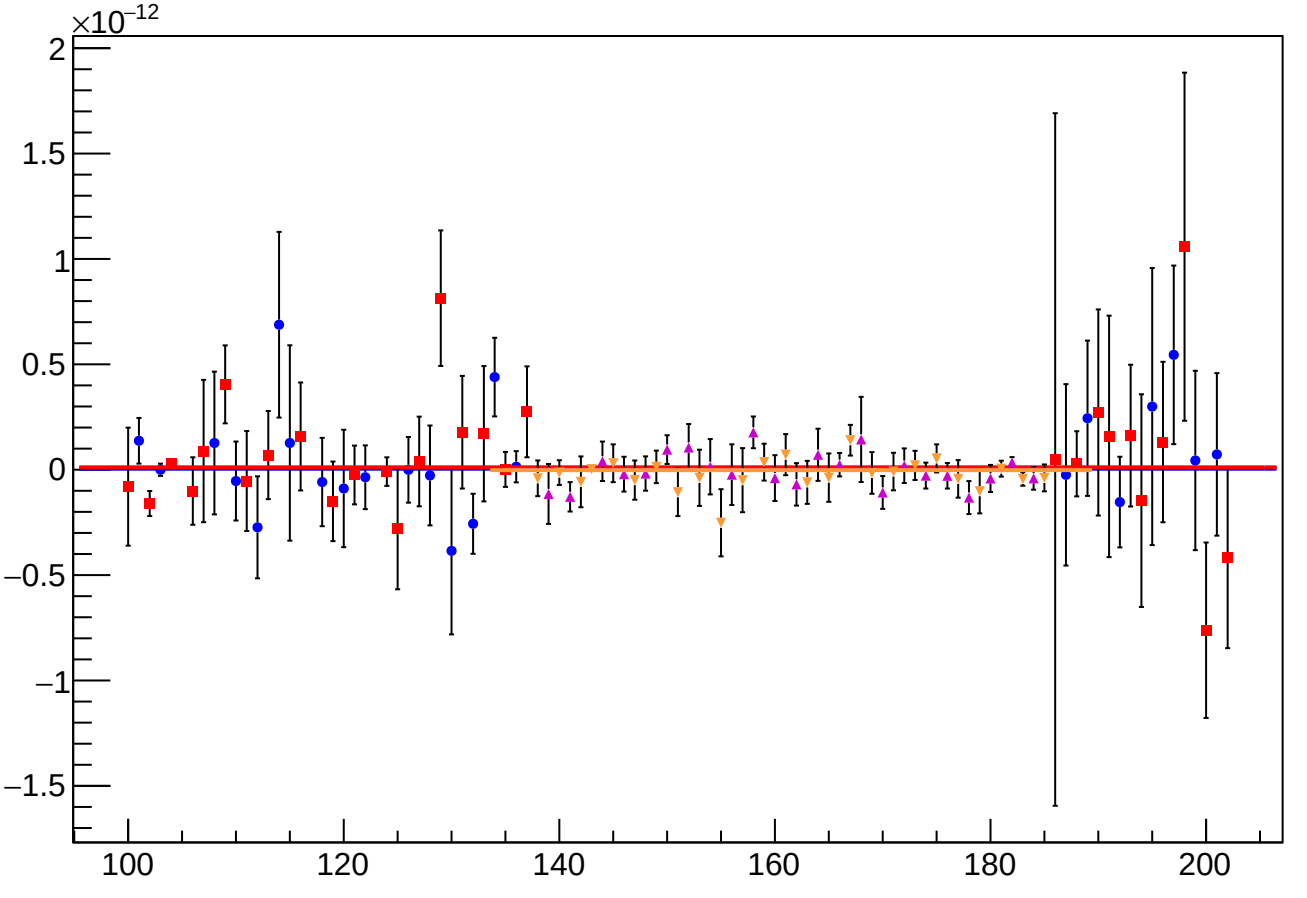
Right Out: 131.709+/-0.028 χ^2/NDF: 3850408.5/28

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 195.282+/-0.029 χ^2/NDF: 14477283.7/47

All: 179.819+/-0.019 χ^2/NDF: 32113432.6/99

- sign 168.052+/-0.025 χ^2/NDF: 17131667.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.9/28

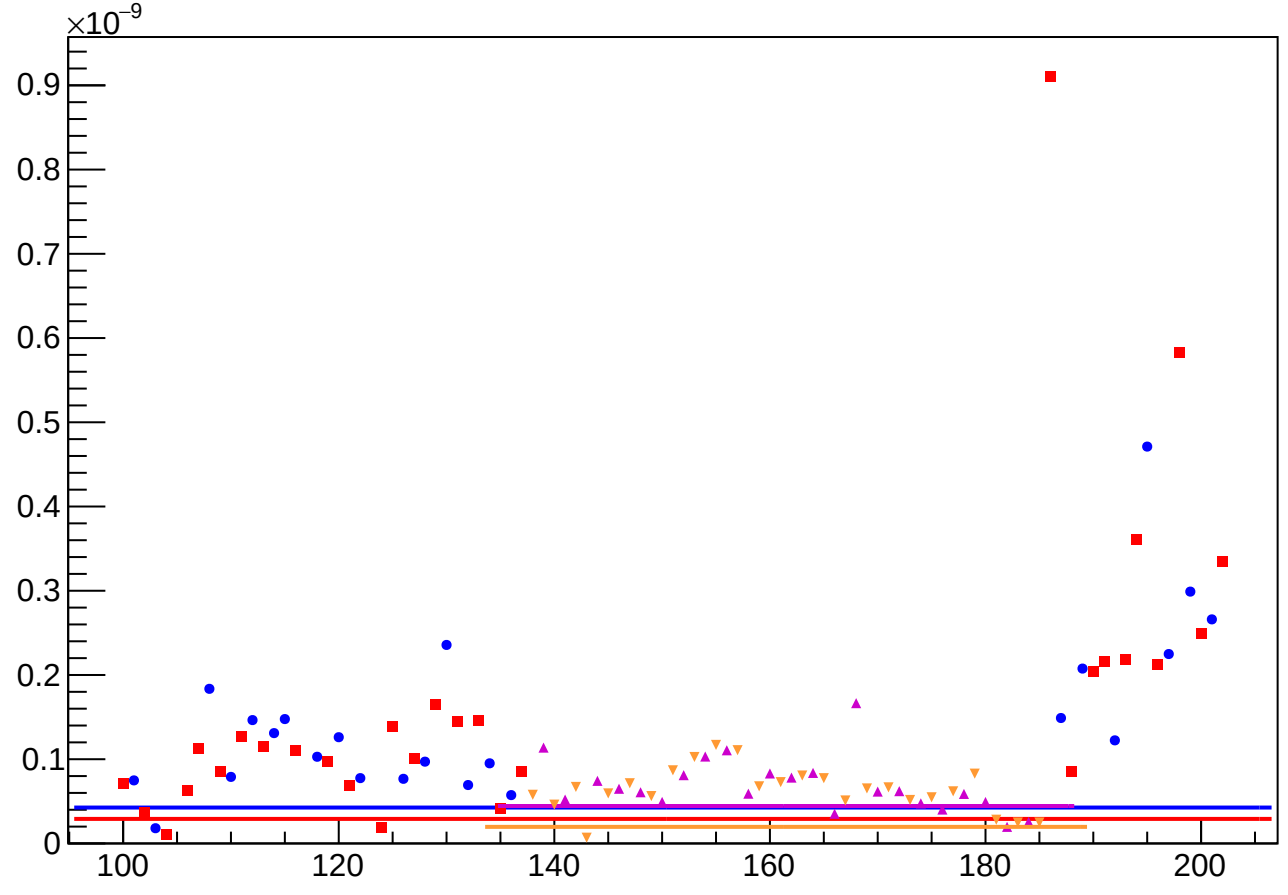
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.2/47

All: 0.000+/-0.000 χ^2/NDF: 87.0/99

- sign 0.000+/-0.000 χ^2/NDF: 54.6/51

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7439493.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10536187.6/28

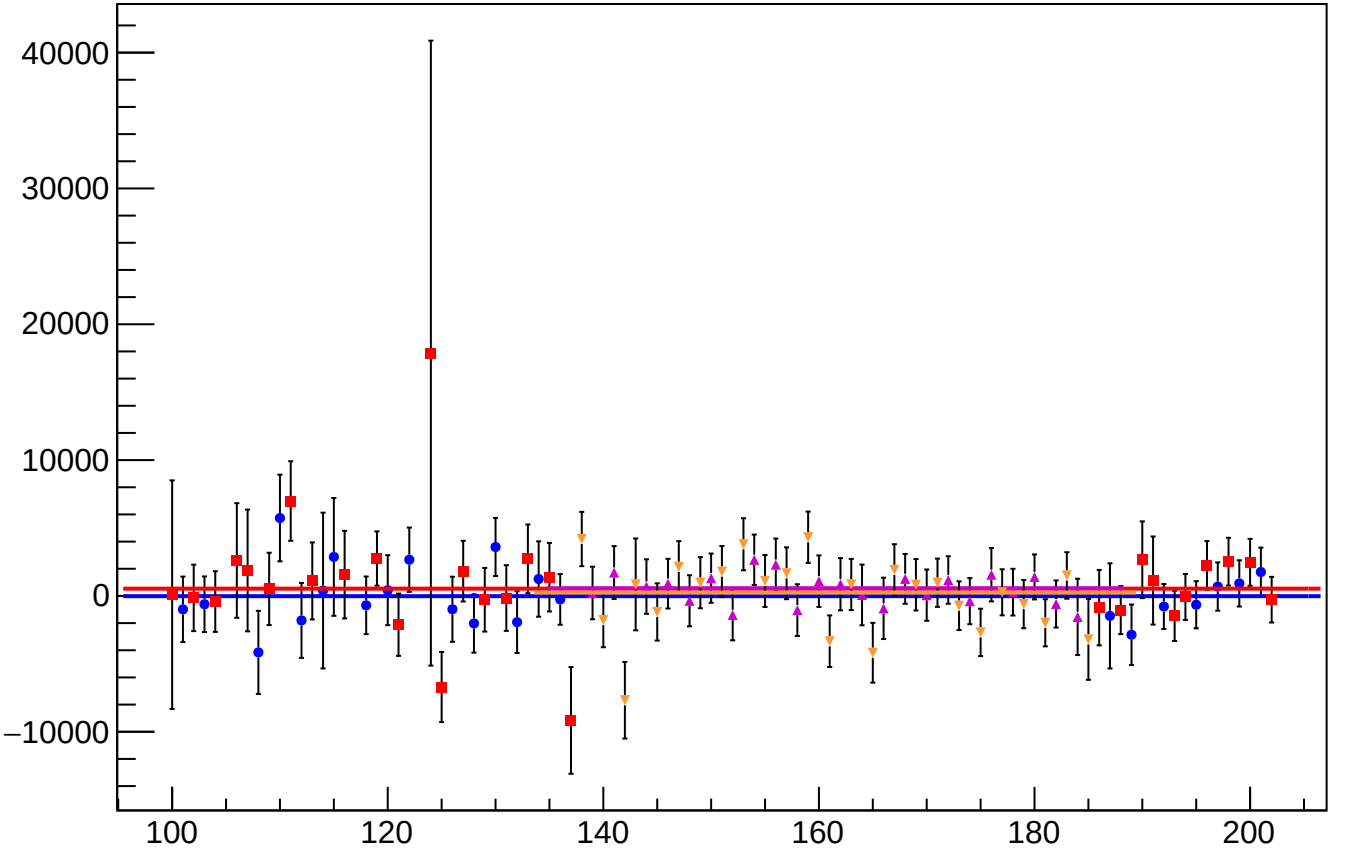
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 24013411.9/47

All: 0.000+/-0.000 χ^2/NDF: 44258127.3/99

- sign 0.000+/-0.000 χ^2/NDF: 17333596.8/51

reg_asym_atl_dd_mean vs Slug



Right In: -17.001+/-469.295 χ^2/NDF: 16.0/22

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 537.069+/-441.639 χ^2/NDF: 30.7/28

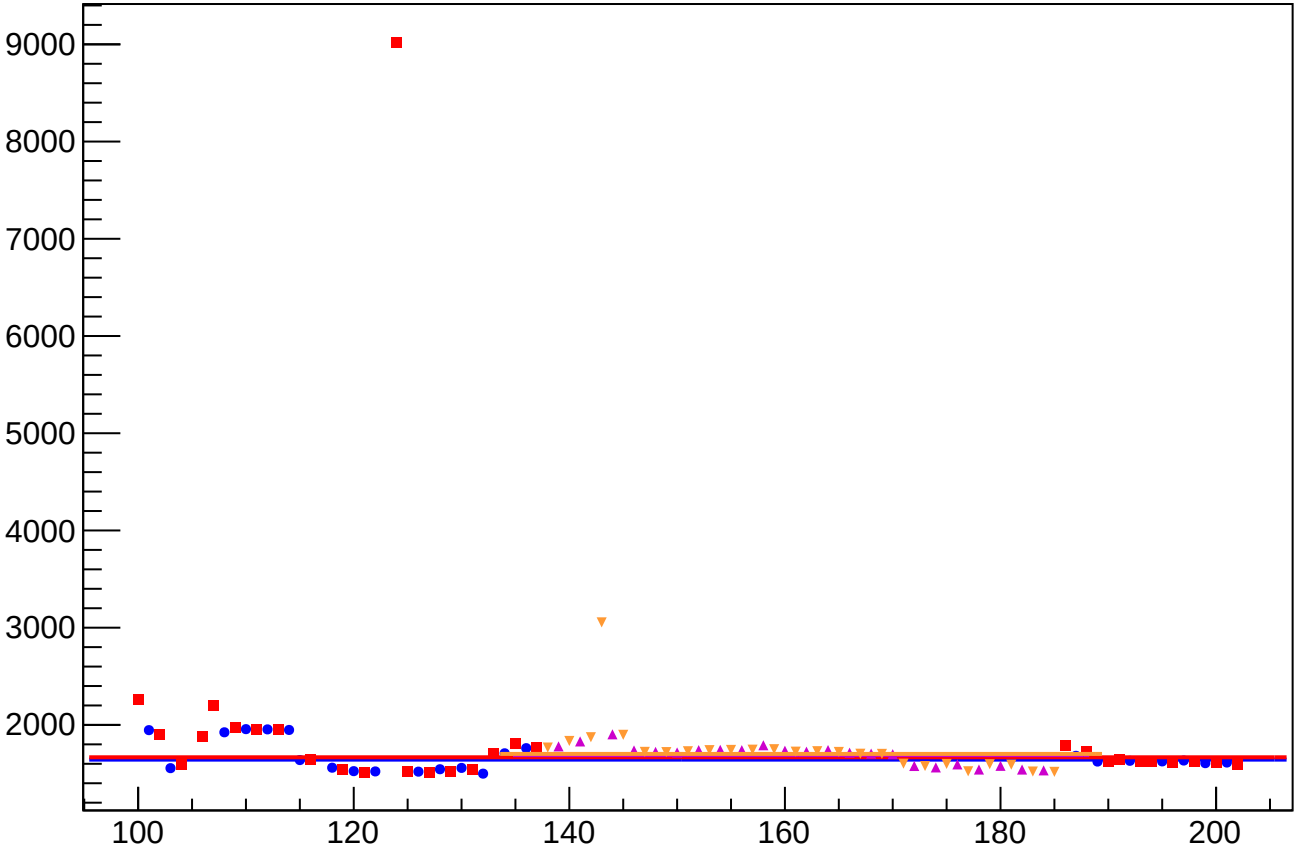
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 140.271+/-299.411 χ^2/NDF: 55.8/47

All: 348.446+/-209.946 χ^2/NDF: 95.0/99

- sign 549.803+/-294.467 χ^2/NDF: 38.3/51

reg_asym_atl_dd_rms vs Slug



Right In: 1643.011+/-0.332 χ^2/NDF: 147237.0/22

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1666.949+/-0.312 χ^2/NDF: 408247.9/28

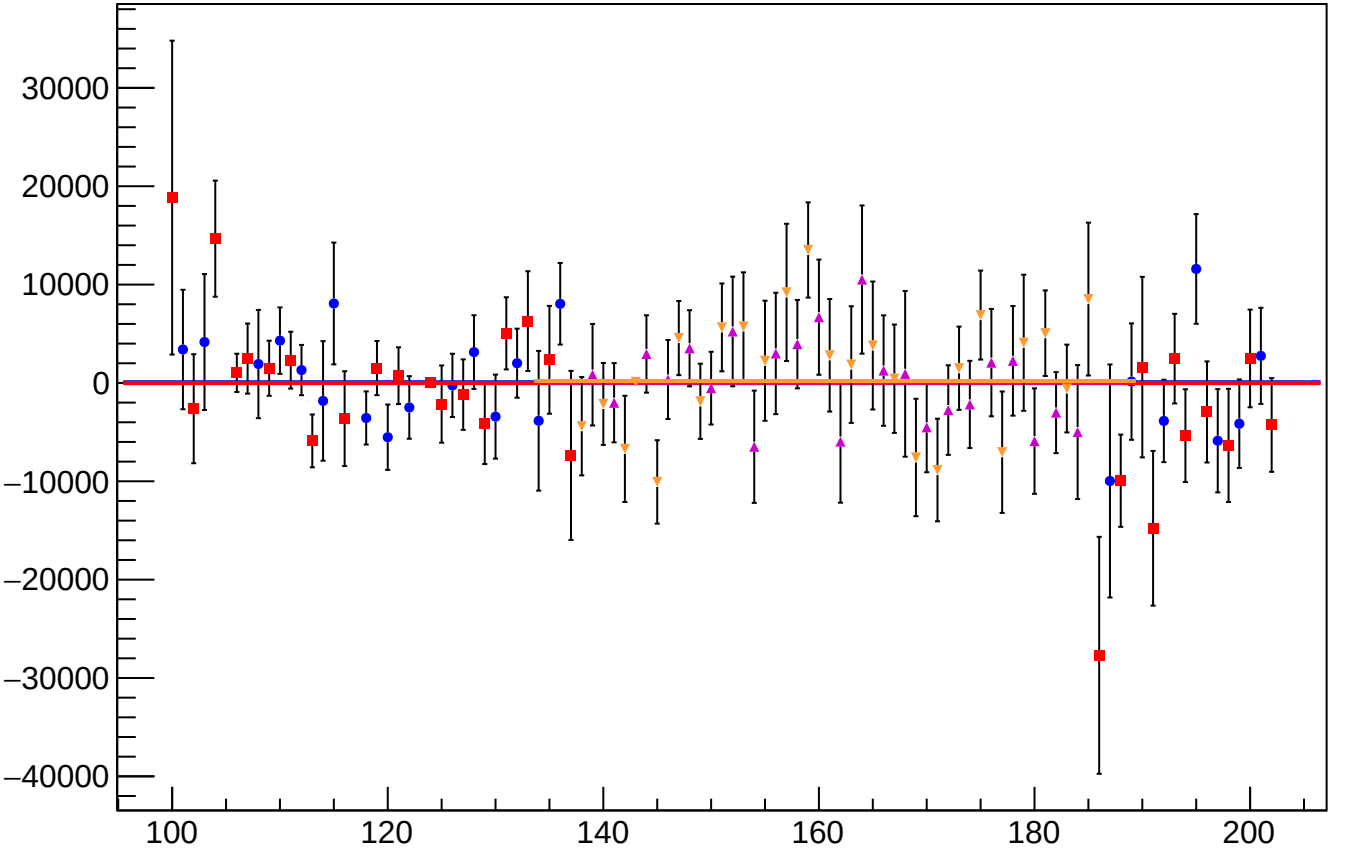
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1677.741+/-0.212 χ^2/NDF: 618089.1/47

All: 1678.542+/-0.148 χ^2/NDF: 1151524.9/99

- sign 1679.316+/-0.208 χ^2/NDF: 533407.6/51

asym_atl_dd_reg_correction_mean vs Slug



Right In: 71.696+/-865.475 χ^2/NDF: 23.6/22

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -17.872+/-318.321 χ^2/NDF: 38.5/28

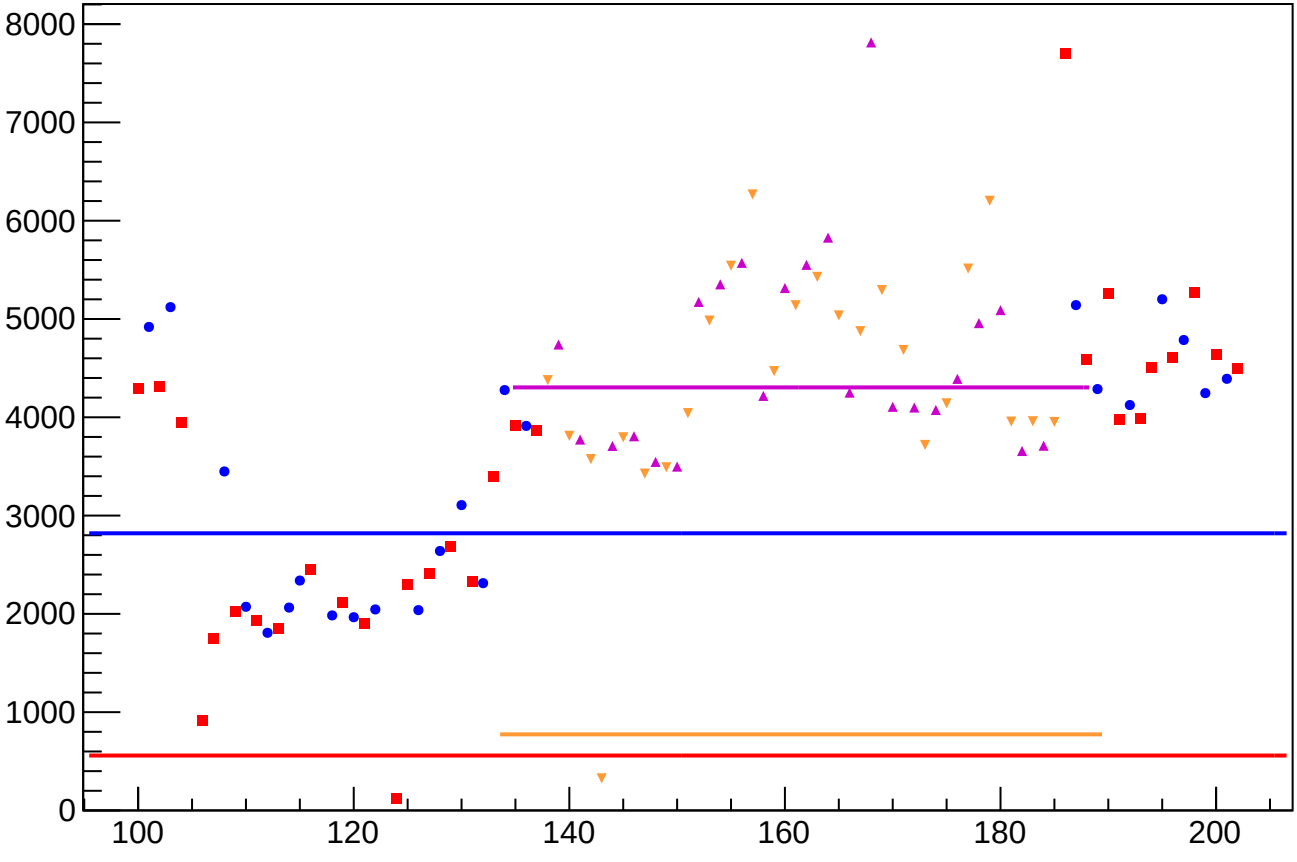
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 176.957+/-318.977 χ^2/NDF: 57.5/47

All: 77.011+/-220.069 χ^2/NDF: 109.5/99

- sign -13.777+/-304.011 χ^2/NDF: 51.8/51

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2819.734+/-0.612 χ^2/NDF: 3225770.5/22

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

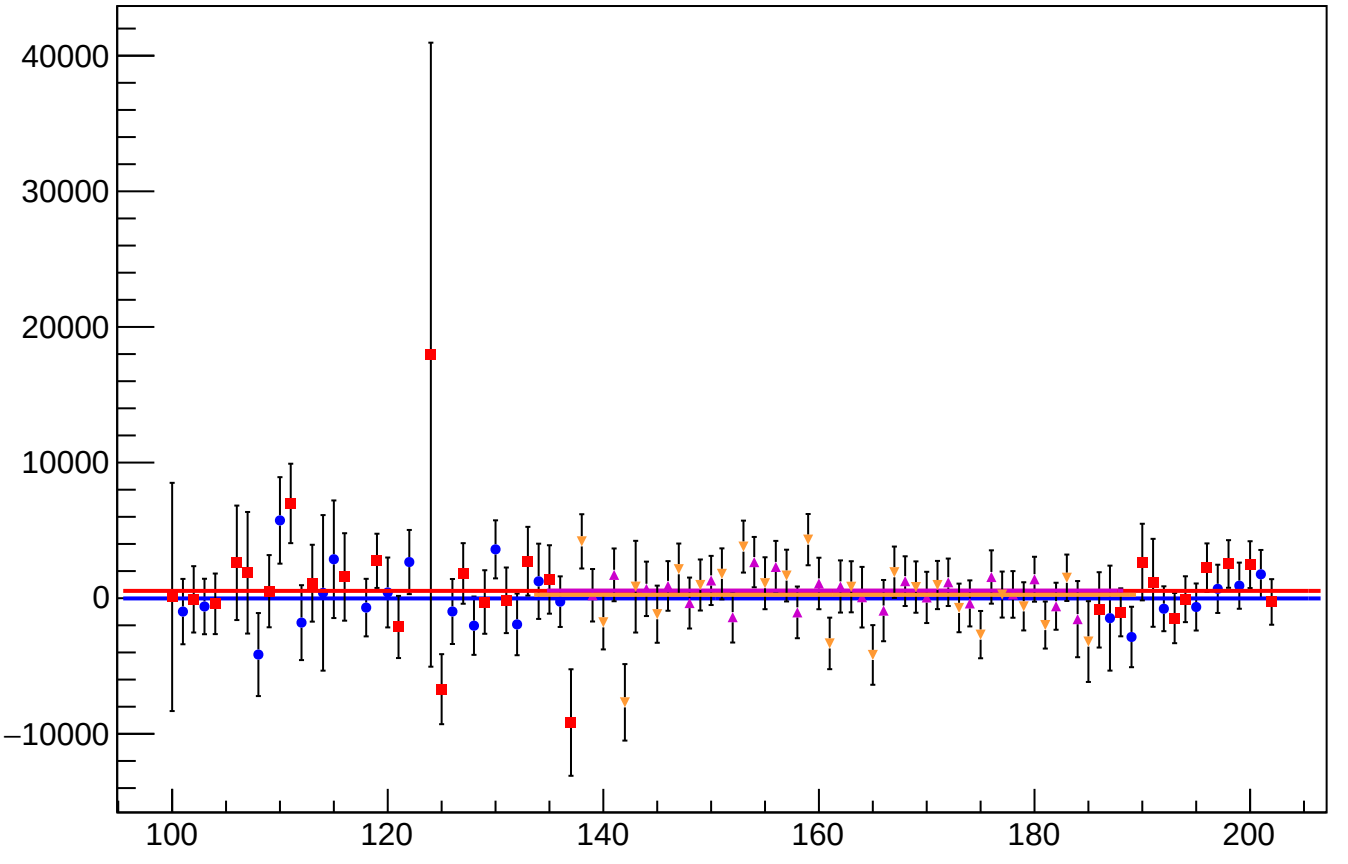
Right Out: 558.685+/-0.225 χ^2/NDF: 22346189.2/28

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1052.081+/-0.226 χ^2/NDF: 40965591.9/47

All: 966.022+/-0.156 χ^2/NDF: 89139522.1/99

- sign 887.849+/-0.215 χ^2/NDF: 47896109.5/51



Right In: -16.954+/-469.295 χ^2/NDF: 16.0/22

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 539.142+/-441.641 χ^2/NDF: 30.7/28

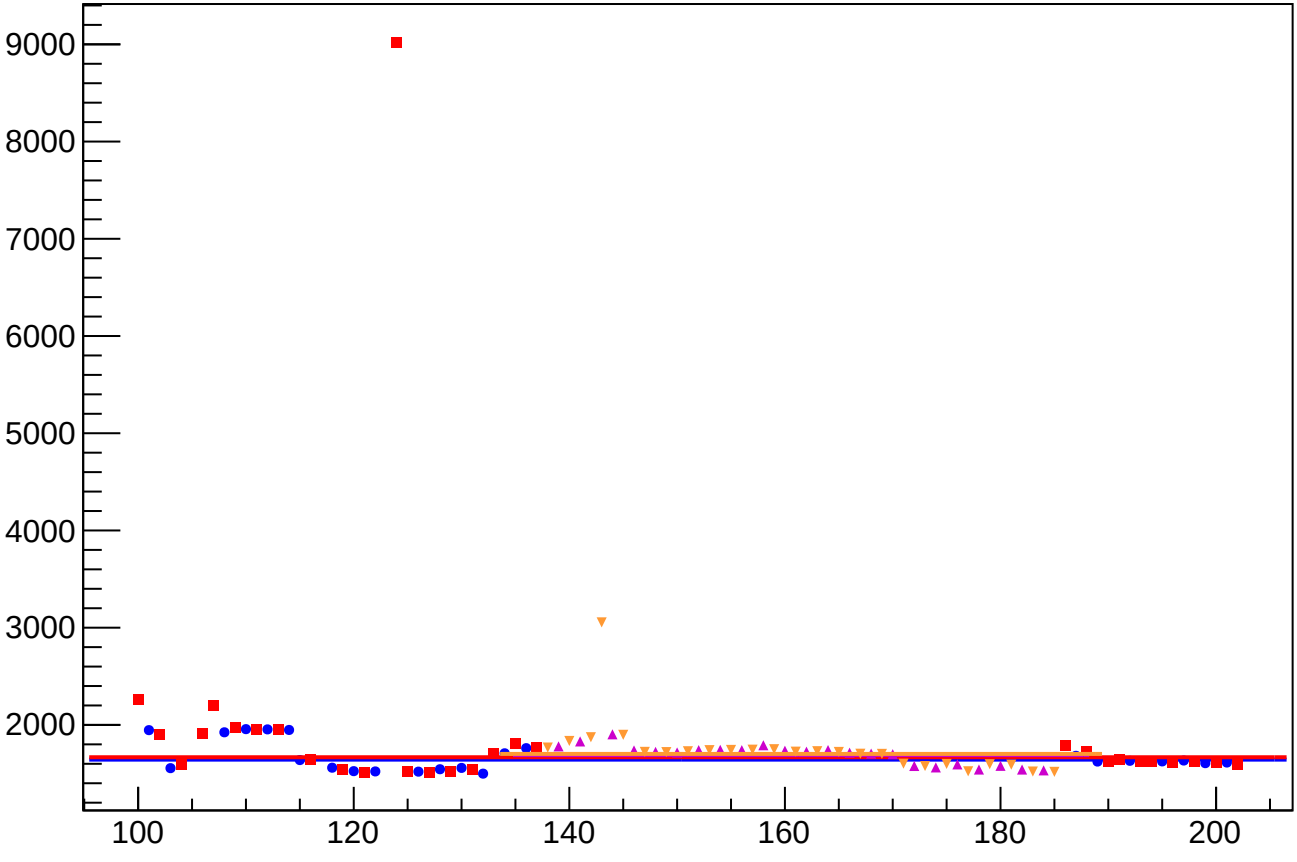
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 140.280+/-299.411 χ^2/NDF: 55.8/47

All: 348.909+/-209.946 χ^2/NDF: 95.0/99

- sign 550.705+/-294.467 χ^2/NDF: 38.3/51

cor_asym_atl_dd_rms vs Slug



Right In: 1643.011+/-0.332 χ^2/NDF: 147237.0/22

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1667.323+/-0.312 χ^2/NDF: 410232.6/28

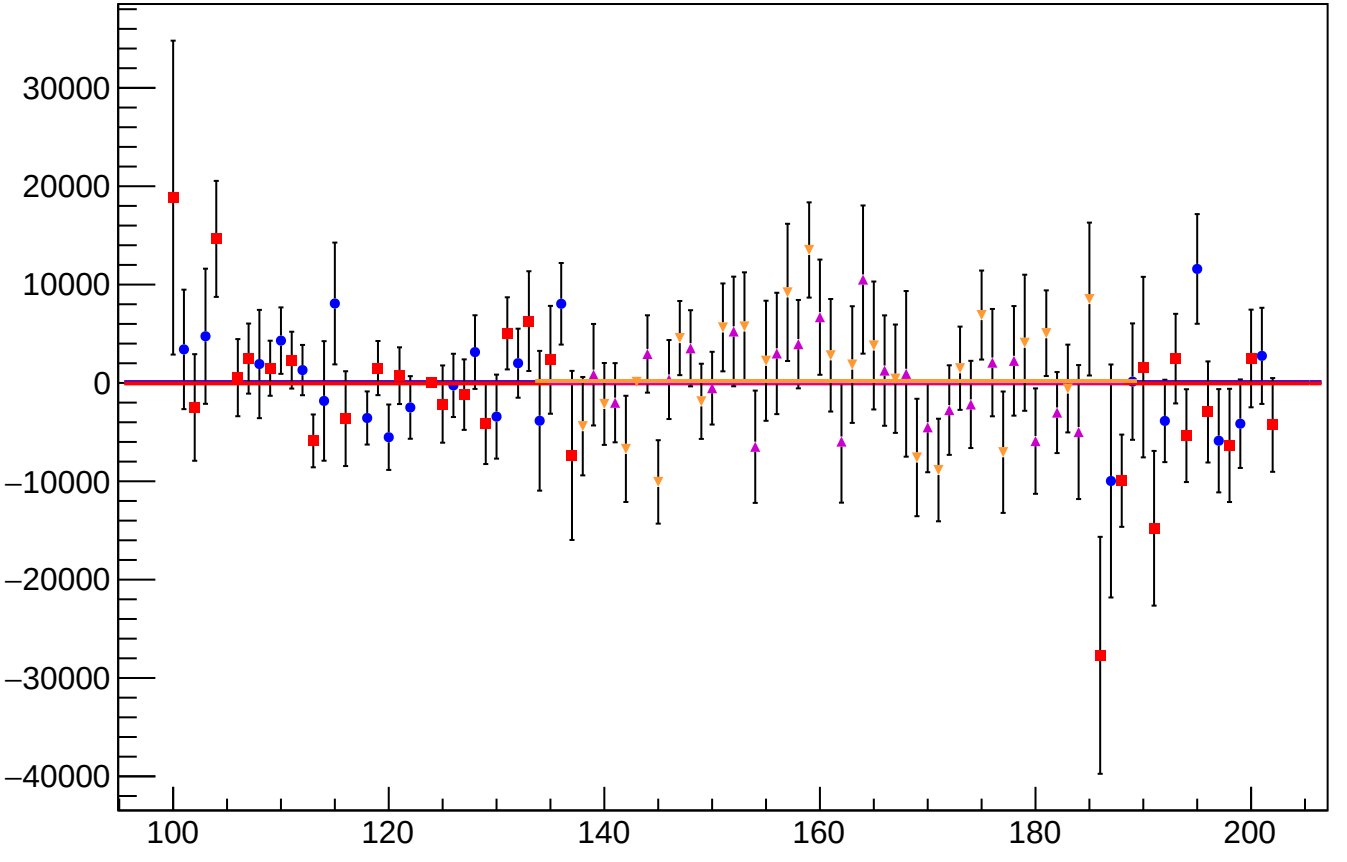
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1677.741+/-0.212 χ^2/NDF: 618089.2/47

All: 1678.628+/-0.148 χ^2/NDF: 1153420.9/99

- sign 1679.485+/-0.208 χ^2/NDF: 535297.2/51

asym_atl_dd_cor_correction_mean vs Slug



Right In: 81.992+/-865.389 χ^2/NDF: 23.7/22

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -43.420+/-310.746 χ^2/NDF: 38.2/28

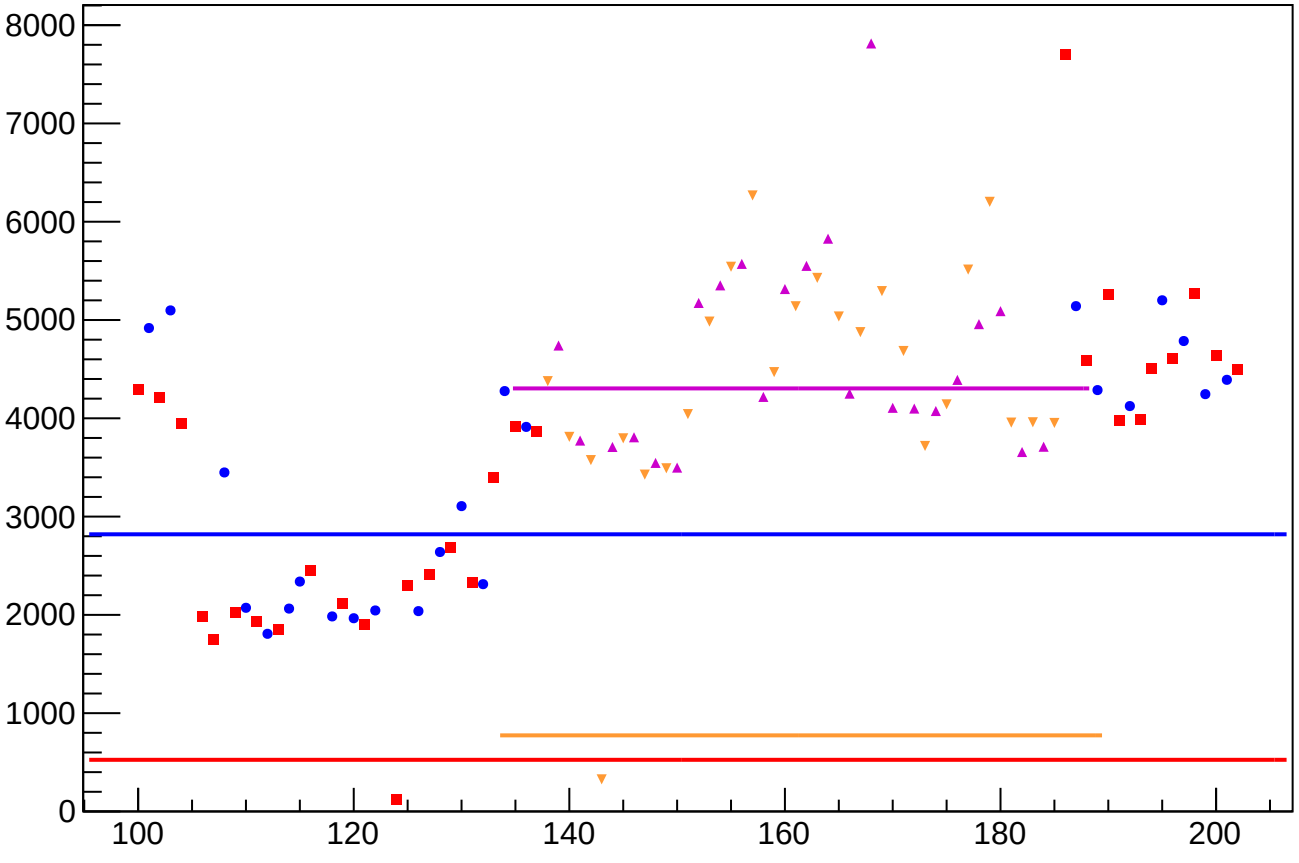
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 178.712+/-318.953 χ^2/NDF: 57.6/47

All: 63.132+/-217.511 χ^2/NDF: 109.4/99

- sign -37.349+/-297.392 χ^2/NDF: 51.5/51

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2819.791+/-0.612 χ^2/NDF: 3223879.4/22

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 525.419+/-0.220 χ^2/NDF: 22854656.6/28

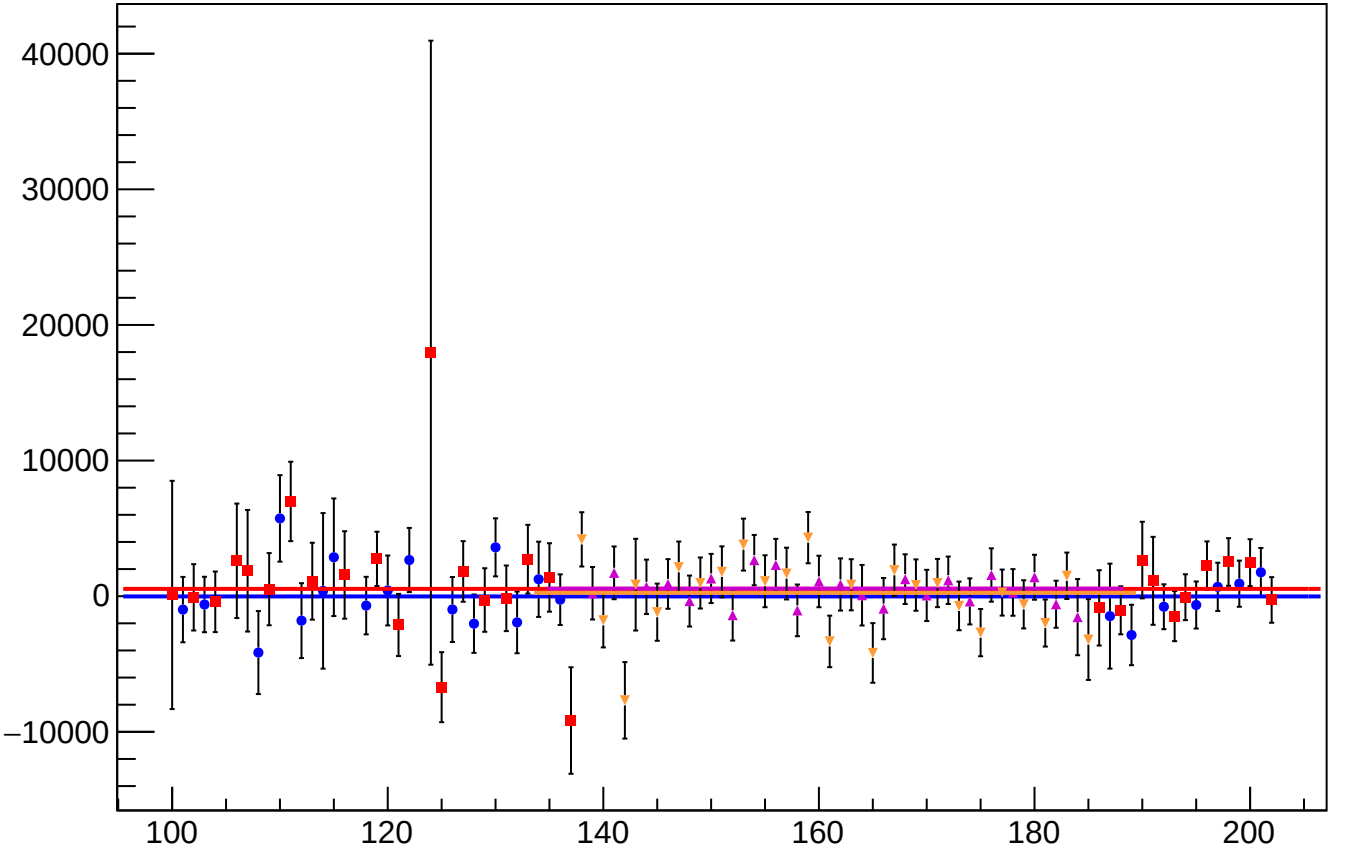
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1052.026+/-0.226 χ^2/NDF: 40967798.5/47

All: 940.319+/-0.154 χ^2/NDF: 90367922.2/99

- sign 843.204+/-0.210 χ^2/NDF: 48941520.7/51

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -16.954+/-469.295 χ^2/NDF: 16.0/22

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 539.142+/-441.641 χ^2/NDF: 30.7/28

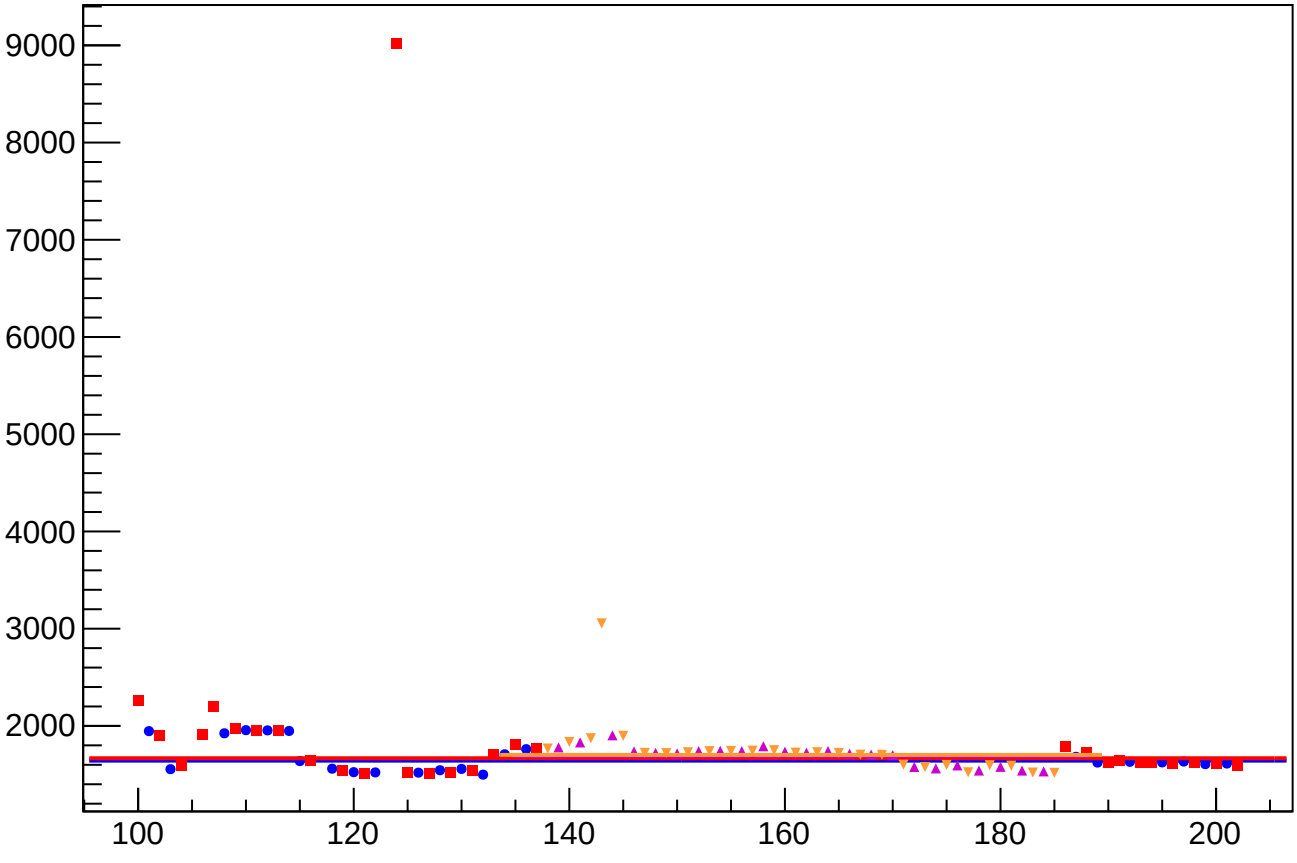
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 140.280+/-299.411 χ^2/NDF: 55.8/47

All: 348.909+/-209.946 χ^2/NDF: 95.0/99

- sign 550.705+/-294.467 χ^2/NDF: 38.3/51

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1643.011+/-0.332 χ^2/NDF: 147237.0/22

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

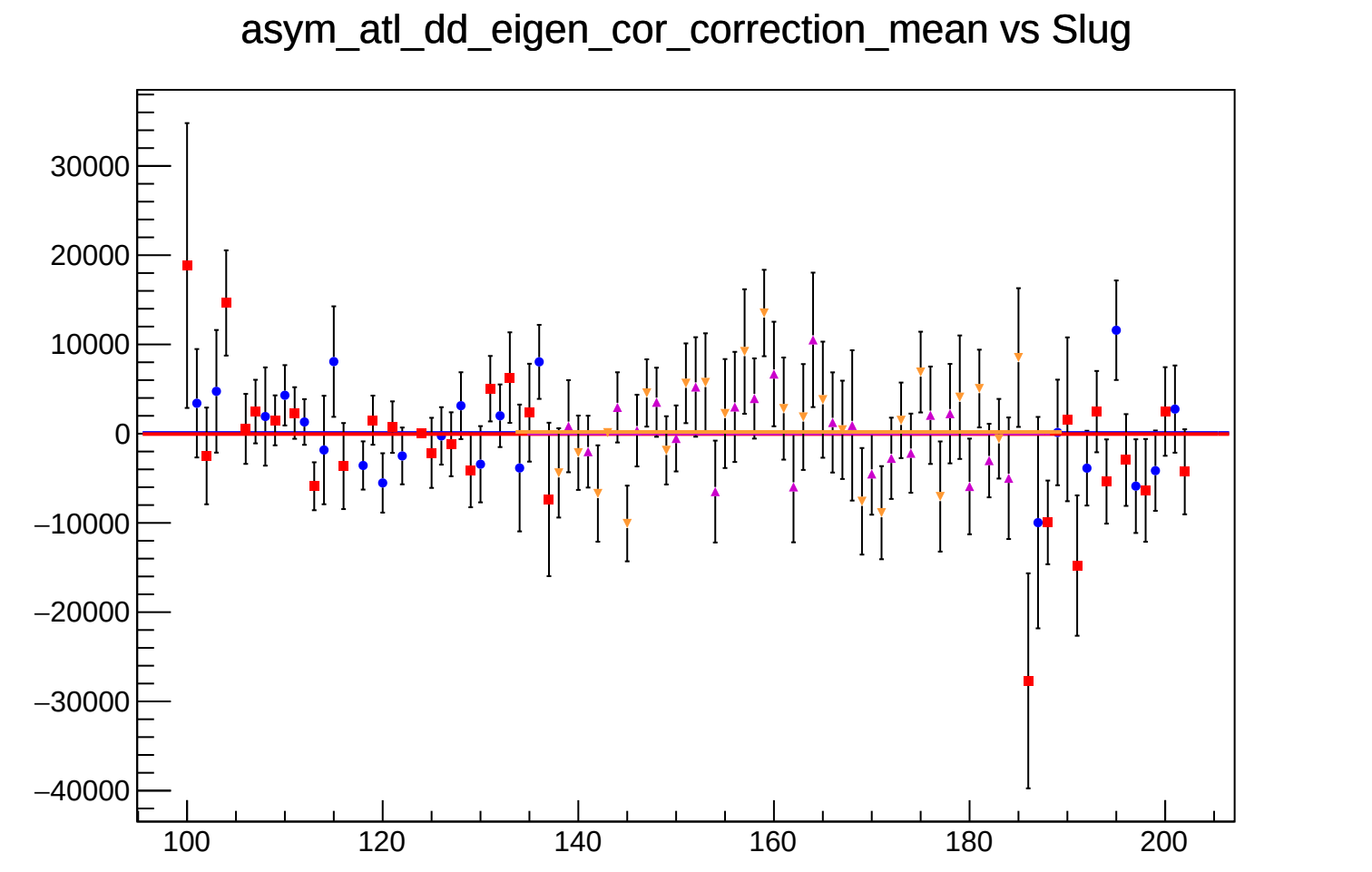
Right Out: 1667.323+/-0.312 χ^2/NDF: 410232.6/28

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1677.741+/-0.212 χ^2/NDF: 618089.2/47

All: 1678.628+/-0.148 χ^2/NDF: 1153420.9/99

- sign 1679.485+/-0.208 χ^2/NDF: 535297.2/51



Right In: 81.992+/-865.389 χ^2/NDF: 23.7/22

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -43.420+/-310.746 χ^2/NDF: 38.2/28

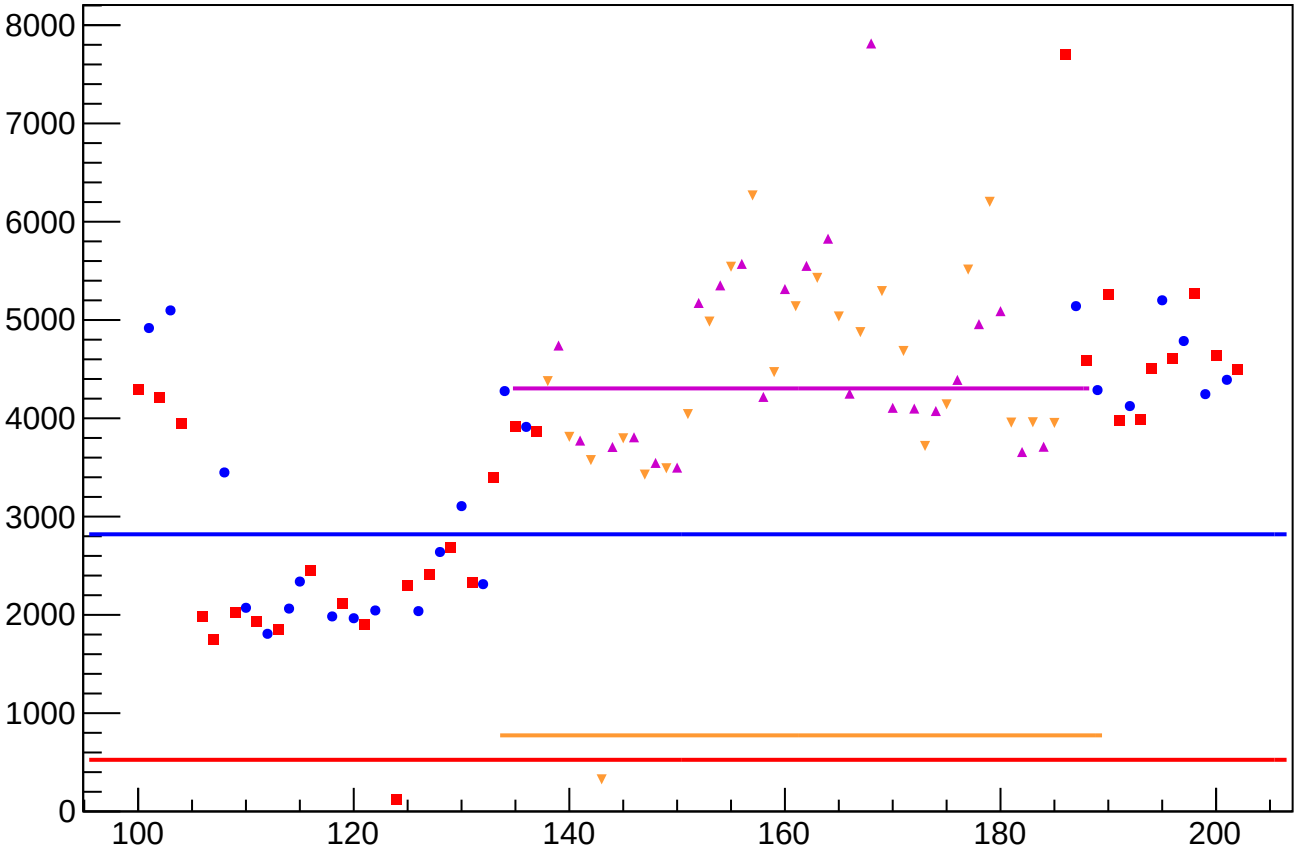
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 178.712+/-318.953 χ^2/NDF: 57.6/47

All: 63.132+/-217.511 χ^2/NDF: 109.4/99

- sign -37.349+/-297.392 χ^2/NDF: 51.5/51

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2819.791+/-0.612 χ^2/NDF: 3223879.4/22

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 525.419+/-0.220 χ^2/NDF: 22854656.6/28

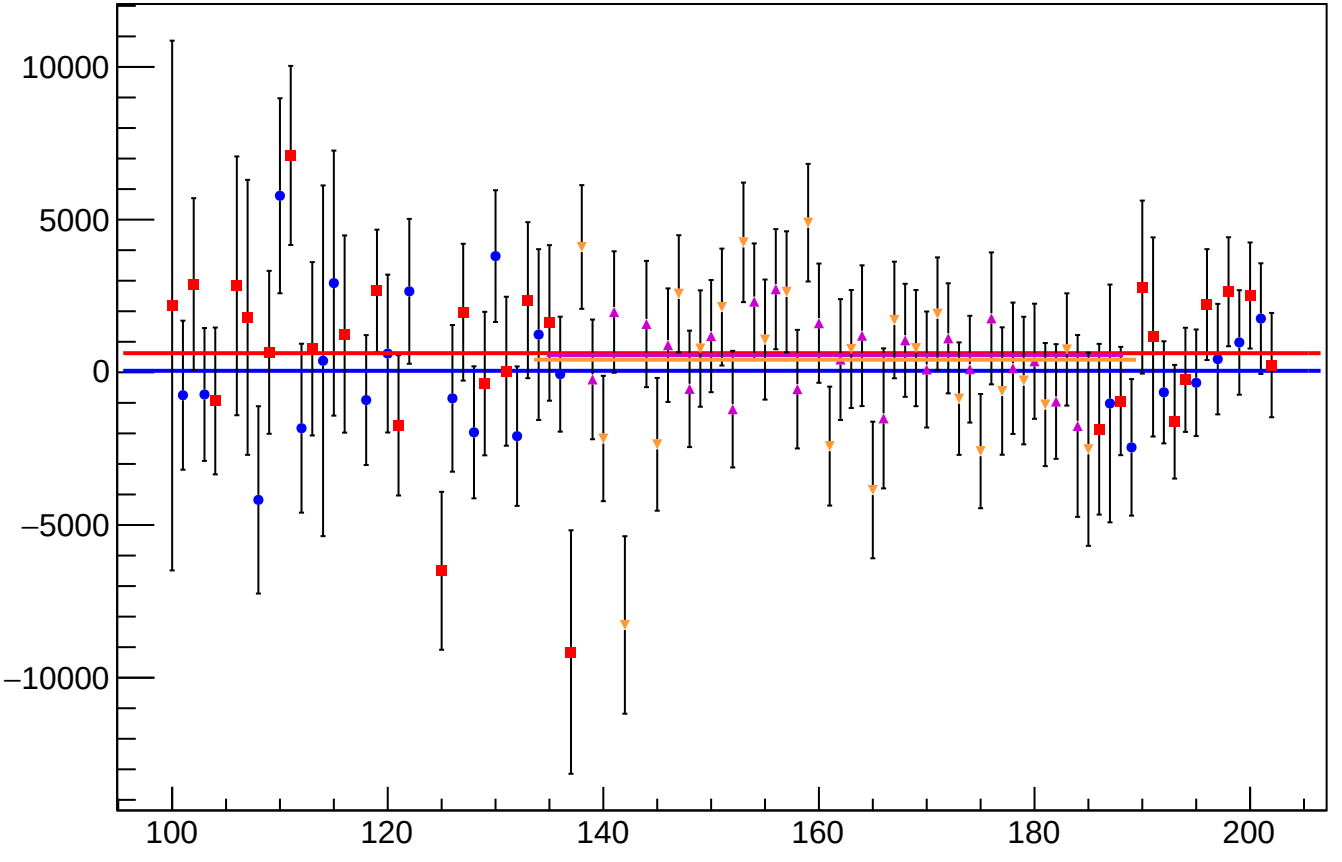
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1052.026+/-0.226 χ^2/NDF: 40967798.5/47

All: 940.319+/-0.154 χ^2/NDF: 90367922.2/99

- sign 843.204+/-0.210 χ^2/NDF: 48941520.7/51

dit_asym_atl_dd_mean vs Slug



Right In: 49.666+/-473.803 χ^2/NDF: 15.6/22

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 627.060+/-447.634 χ^2/NDF: 30.5/27

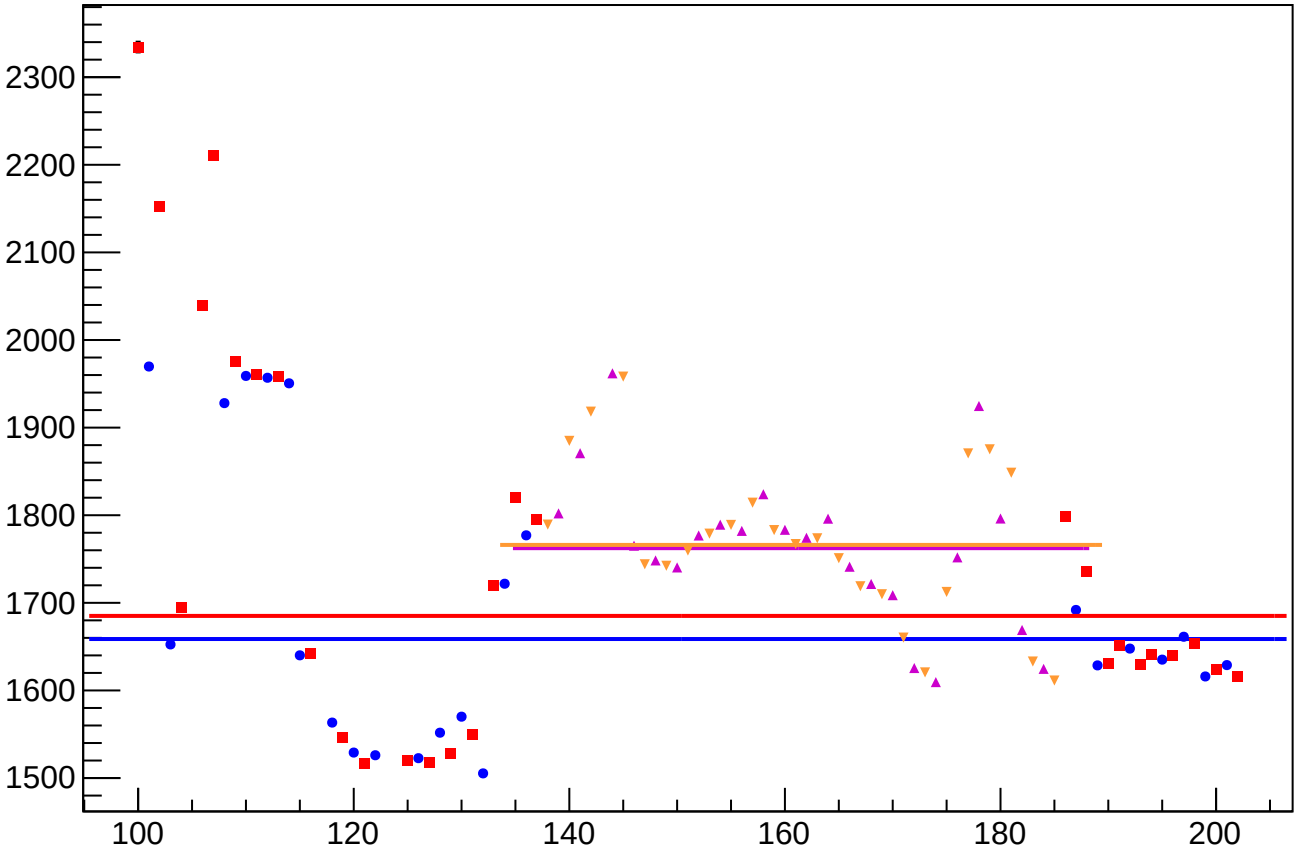
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 257.371+/-310.268 χ^2/NDF: 55.9/46

All: 430.368+/-216.837 χ^2/NDF: 94.7/97

- sign 595.535+/-303.165 χ^2/NDF: 38.2/50

dit_asym_atl_dd_rms vs Slug



Right In: 1658.701+/-0.335 χ^2/NDF: 144772.3/22

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1685.081+/-0.316 χ^2/NDF: 249483.7/27

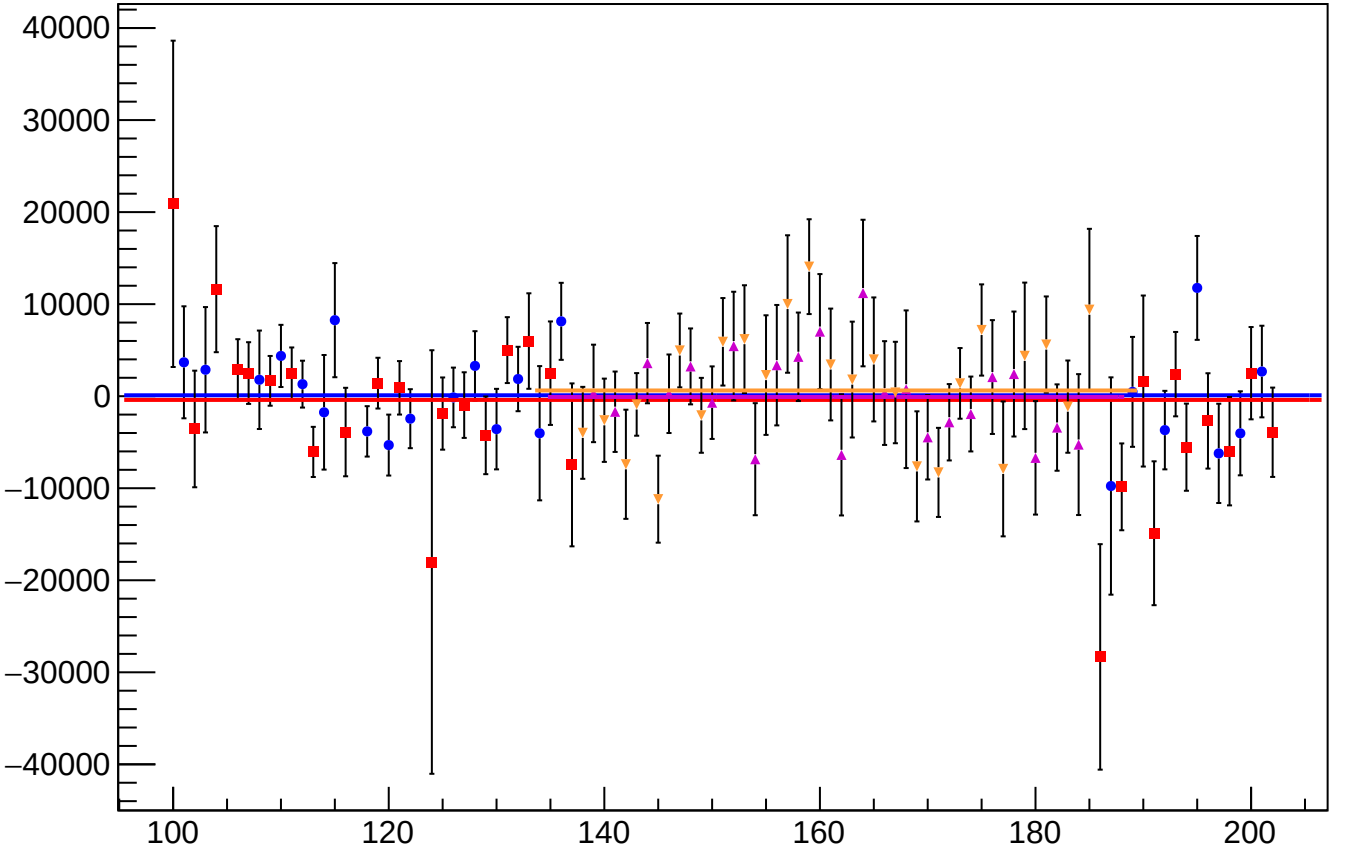
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1720.053+/-0.219 χ^2/NDF: 286737.2/46

All: 1723.555+/-0.153 χ^2/NDF: 649153.3/97

- sign 1726.895+/-0.214 χ^2/NDF: 361918.2/50

asym_atl_dd_dit_correction_mean vs Slug



Right In: 98.074+/-870.760 χ^2/NDF: 23.5/22

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -405.829+/-790.605 χ^2/NDF: 36.1/28

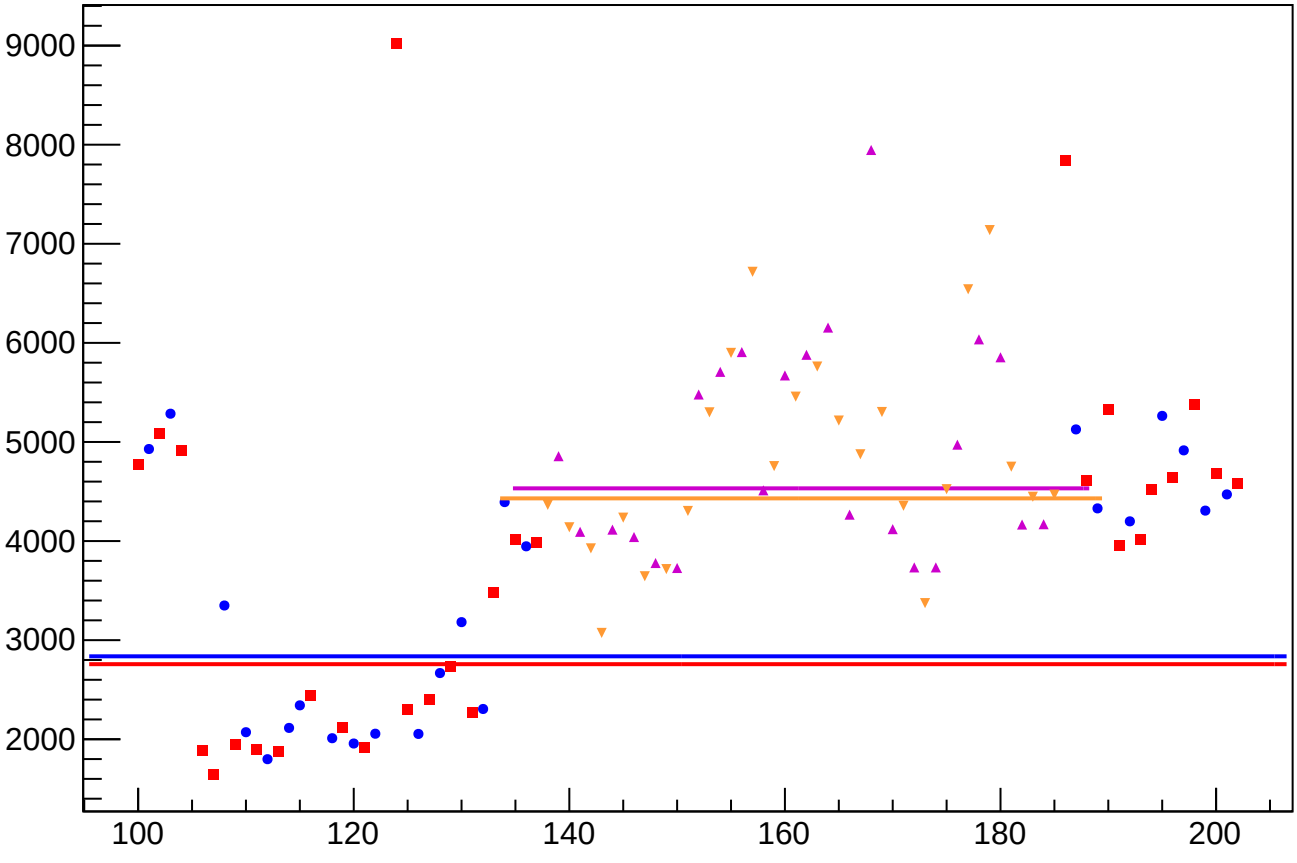
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 314.331+/-666.223 χ^2/NDF: 56.7/47

All: -2.986+/-460.960 χ^2/NDF: 106.2/99

- sign -294.405+/-638.456 χ^2/NDF: 49.0/51

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2836.920+/-0.616 χ^2/NDF: 3335443.6/22

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

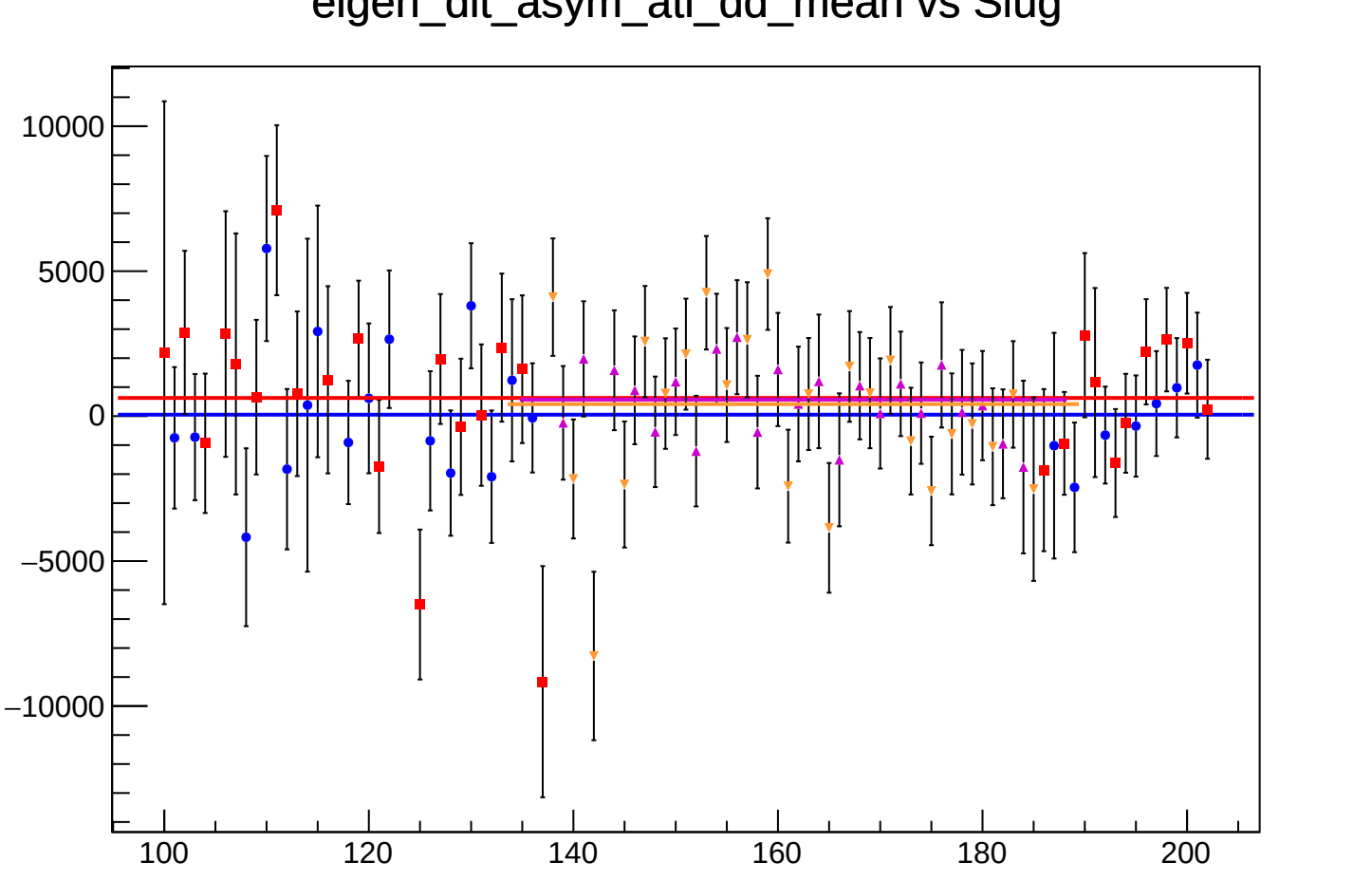
Right Out: 2757.625+/-0.559 χ^2/NDF: 4638260.5/28

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3497.765+/-0.471 χ^2/NDF: 7727069.0/47

All: 3433.684+/-0.326 χ^2/NDF: 17281380.0/9

- sign 3374.833+/-0.451 χ^2/NDF: 9518814.5/51



Right In: 49.666+/-473.803 χ^2/NDF: 15.6/22

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 627.061+/-447.634 χ^2/NDF: 30.5/27

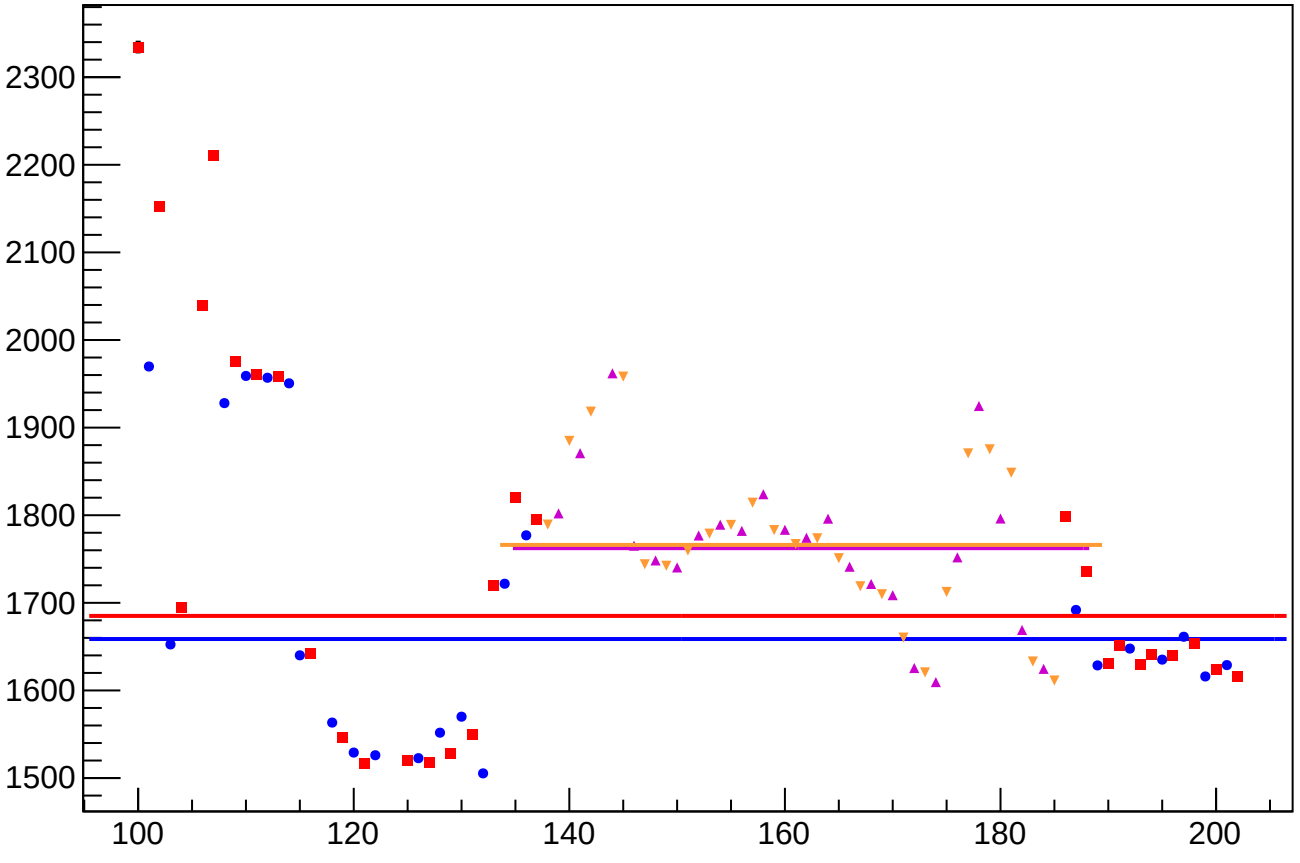
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 257.372+/-310.268 χ^2/NDF: 55.9/46

All: 430.369+/-216.838 χ^2/NDF: 94.7/97

- sign 595.535+/-303.165 χ^2/NDF: 38.2/50

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1658.701+/-0.335 χ^2/NDF: 144772.4/22

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1685.081+/-0.316 χ^2/NDF: 249482.7/27

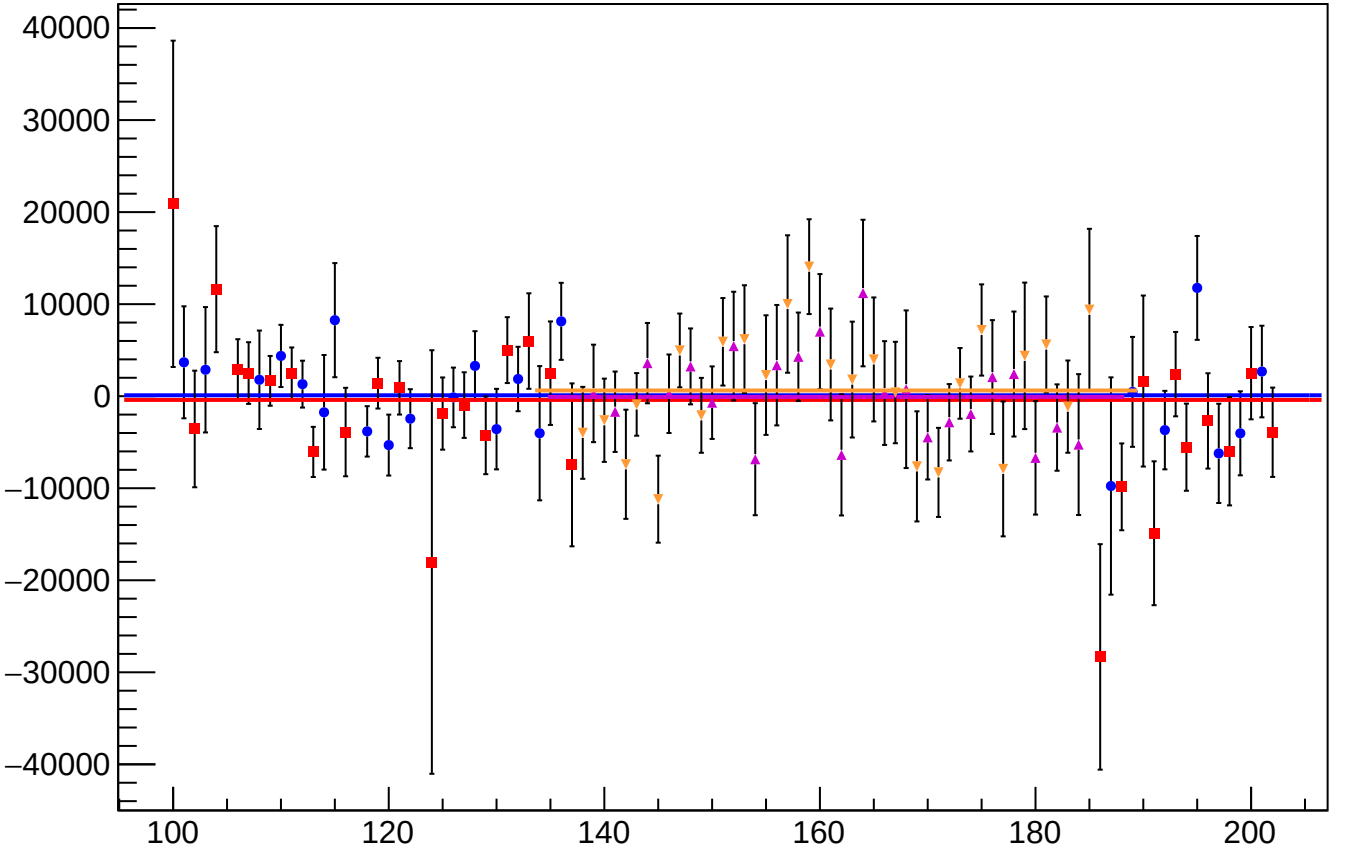
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1720.054+/-0.219 χ^2/NDF: 286741.4/46

All: 1723.556+/-0.153 χ^2/NDF: 649159.9/97

- sign 1726.896+/-0.214 χ^2/NDF: 361920.8/50

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 98.070+/-870.758 χ^2/NDF: 23.5/22

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -405.823+/-790.603 χ^2/NDF: 36.1/28

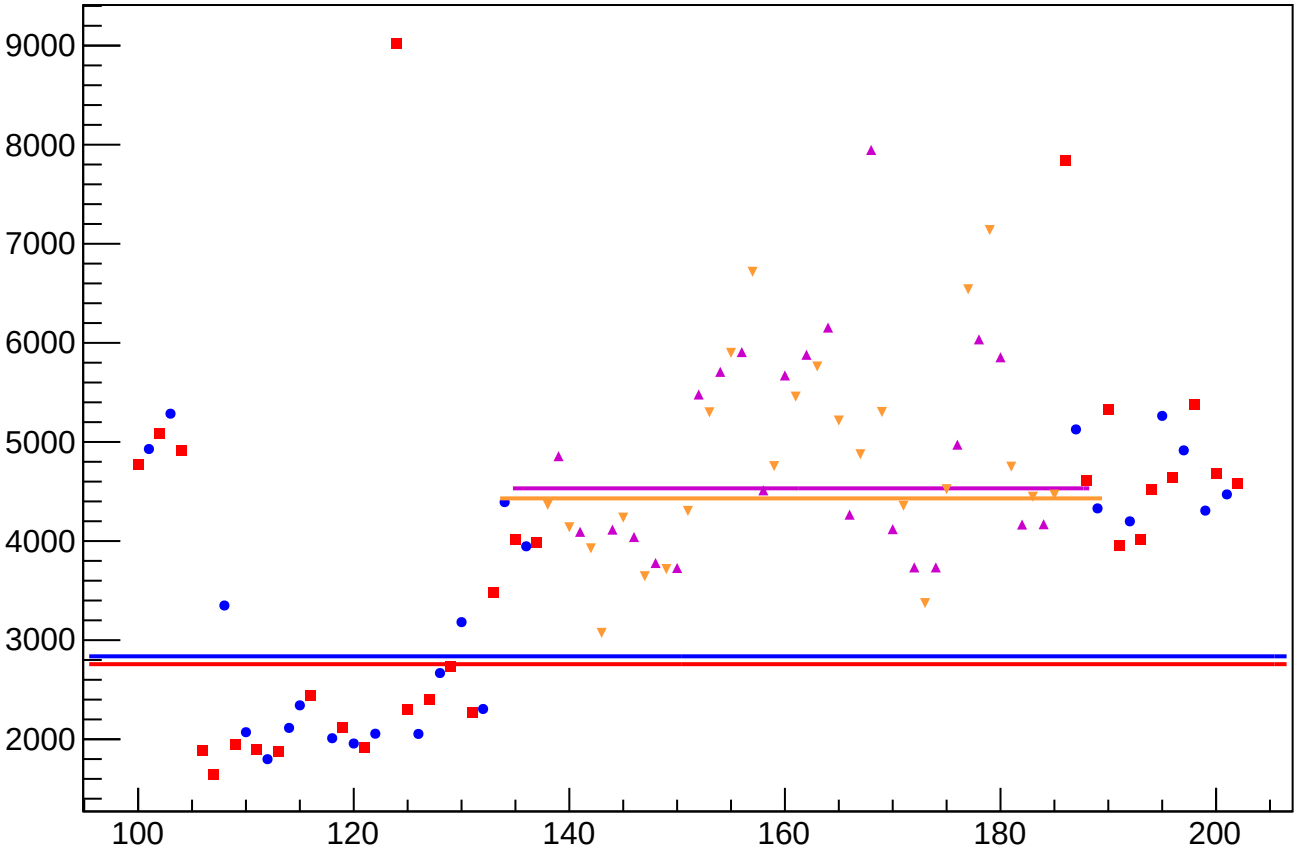
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 314.329+/-666.222 χ^2/NDF: 56.7/47

All: -2.986+/-460.960 χ^2/NDF: 106.2/99

- sign -294.401+/-638.455 χ^2/NDF: 49.0/51

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2836.909+/-0.616 χ^2/NDF: 3335483.3/22

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

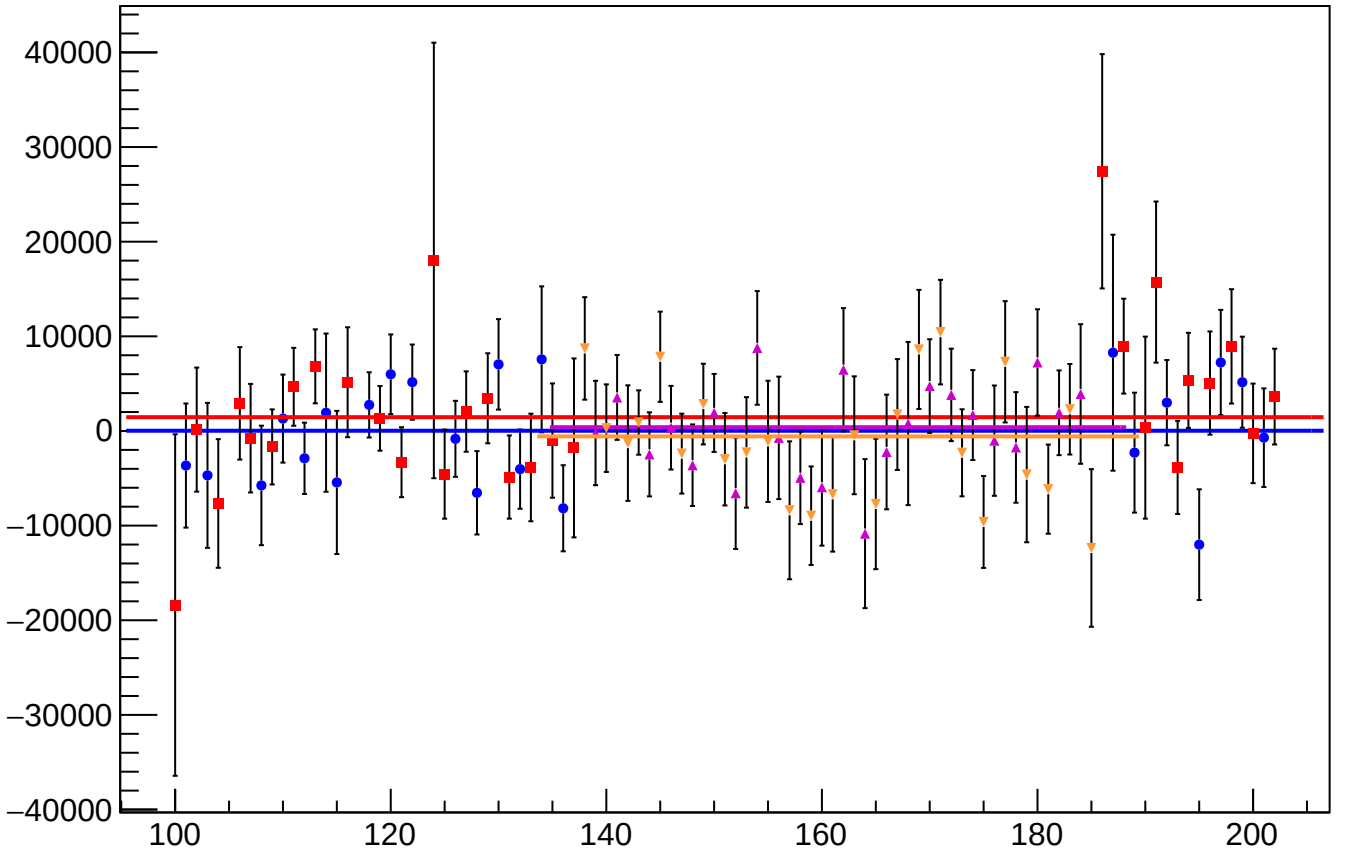
Right Out: 2757.616+/-0.559 χ^2/NDF: 4638299.8/28

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3497.758+/-0.471 χ^2/NDF: 7727175.3/47

All: 3433.677+/-0.326 χ^2/NDF: 17281590.3/9

- sign 3374.826+/-0.451 χ^2/NDF: 9518918.6/51



Right In: 24.304+/-1042.700 χ^2/NDF: 24.7/22

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1456.665+/-980.902 χ^2/NDF: 27.5/28

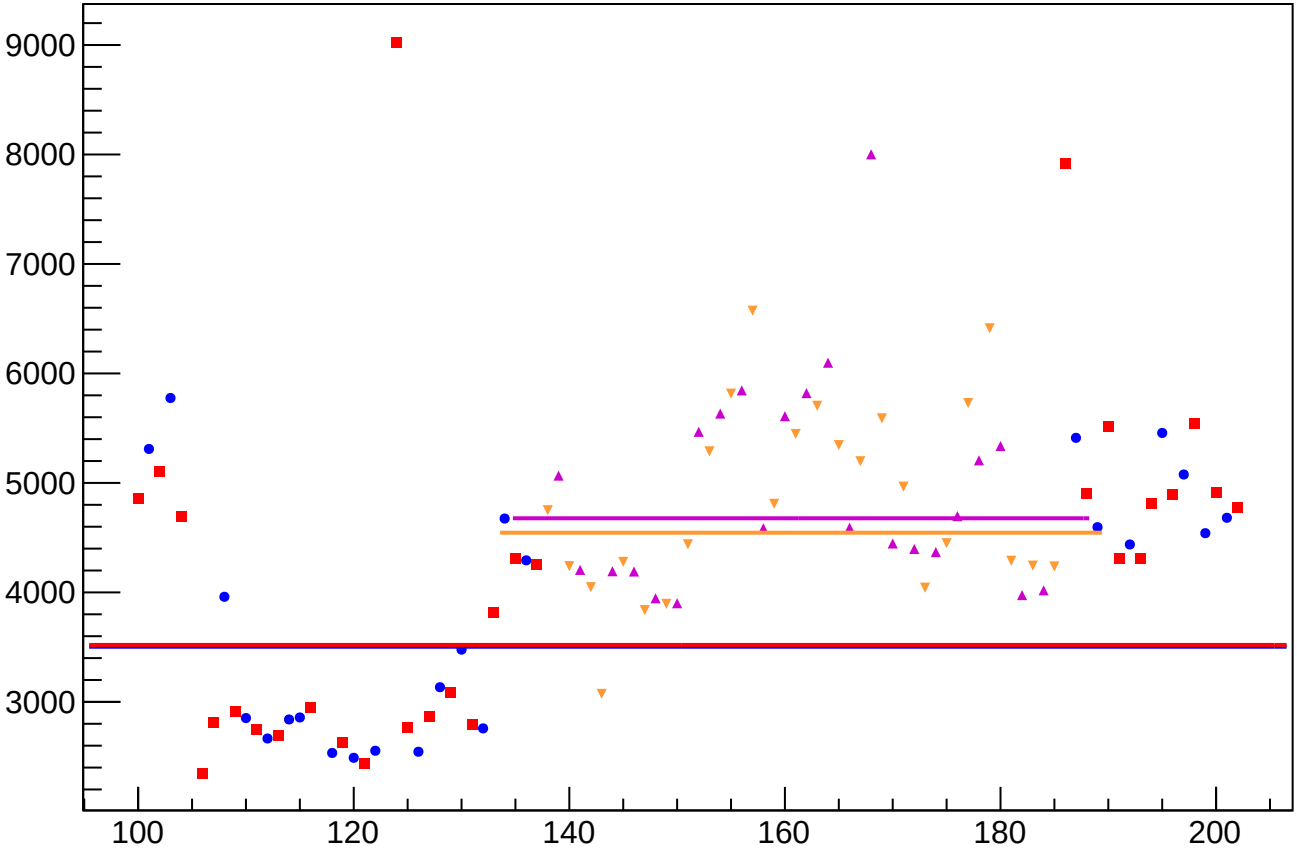
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -270.952+/-741.554 χ^2/NDF: 53.7/47

All: 366.428+/-521.982 χ^2/NDF: 97.2/99

- sign 992.387+/-734.879 χ^2/NDF: 42.0/51

asym_atl_dd_rms vs Slug



Right In: 3503.922+/-0.737 χ^2/NDF: 1961503.6/22

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3520.211+/-0.687 χ^2/NDF: 2530195.8/28

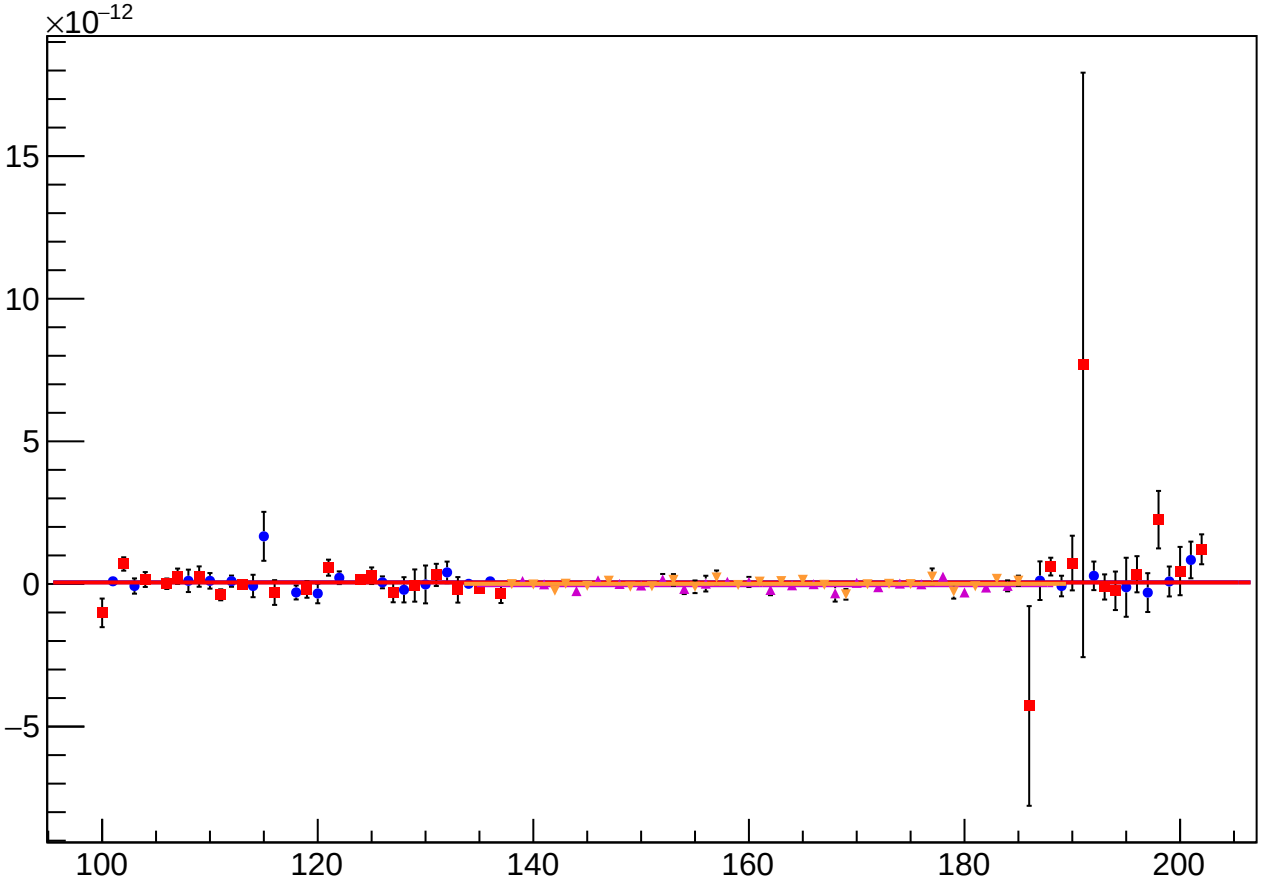
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

\+ sign 4018.680+/-0.524 χ^2/NDF: 4206323.3/47

All: 4020.428+/-0.368 χ^2/NDF: 8927393.5/99

\- sign 4022.126+/-0.517 χ^2/NDF: 4721048.3/51

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

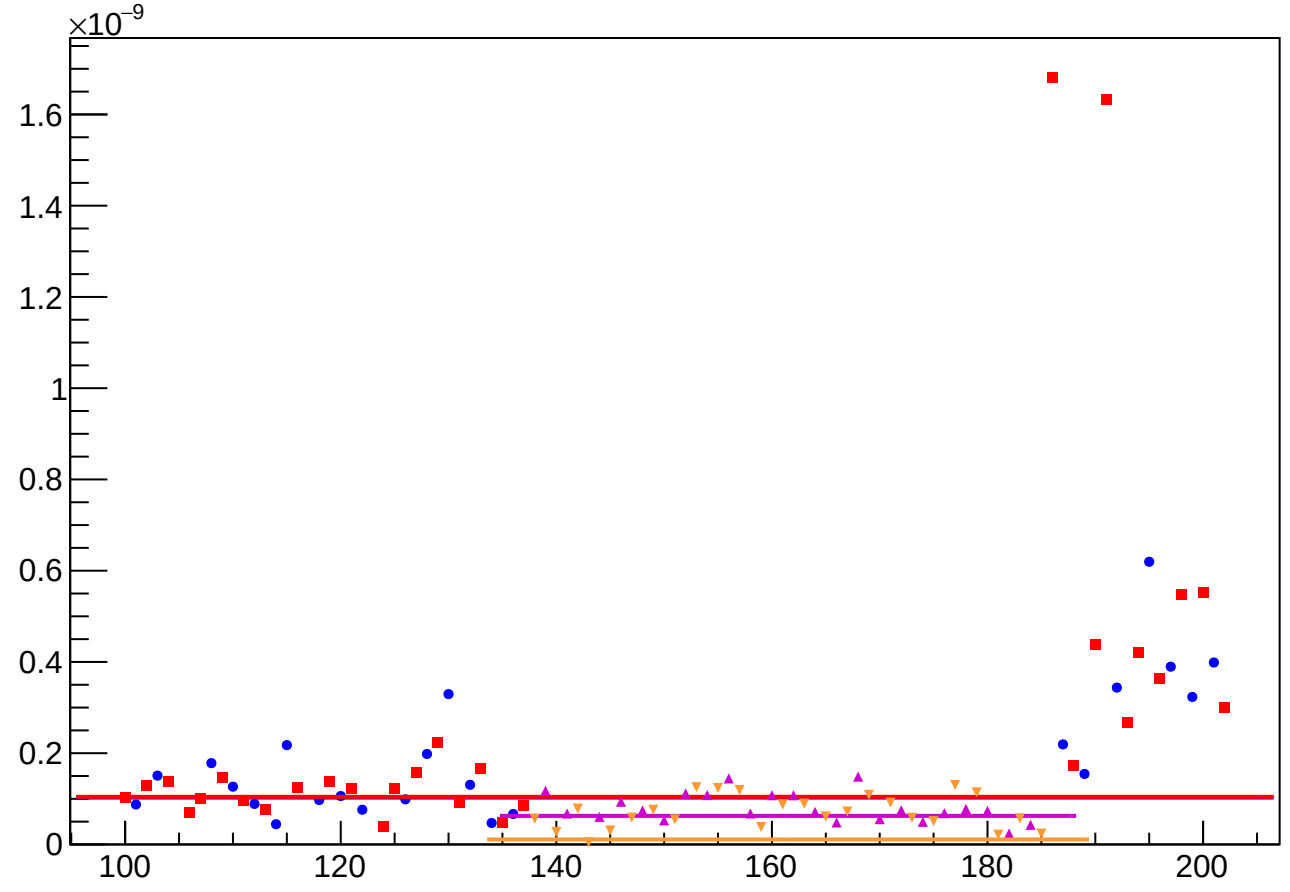
Right Out: 0.000+/-0.000 χ^2/NDF: 46.7/28

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.6/47

All: 0.000+/-0.000 χ^2/NDF: 102.1/99

- sign -0.000+/-0.000 χ^2/NDF: 70.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 3258672.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4240173.8/28

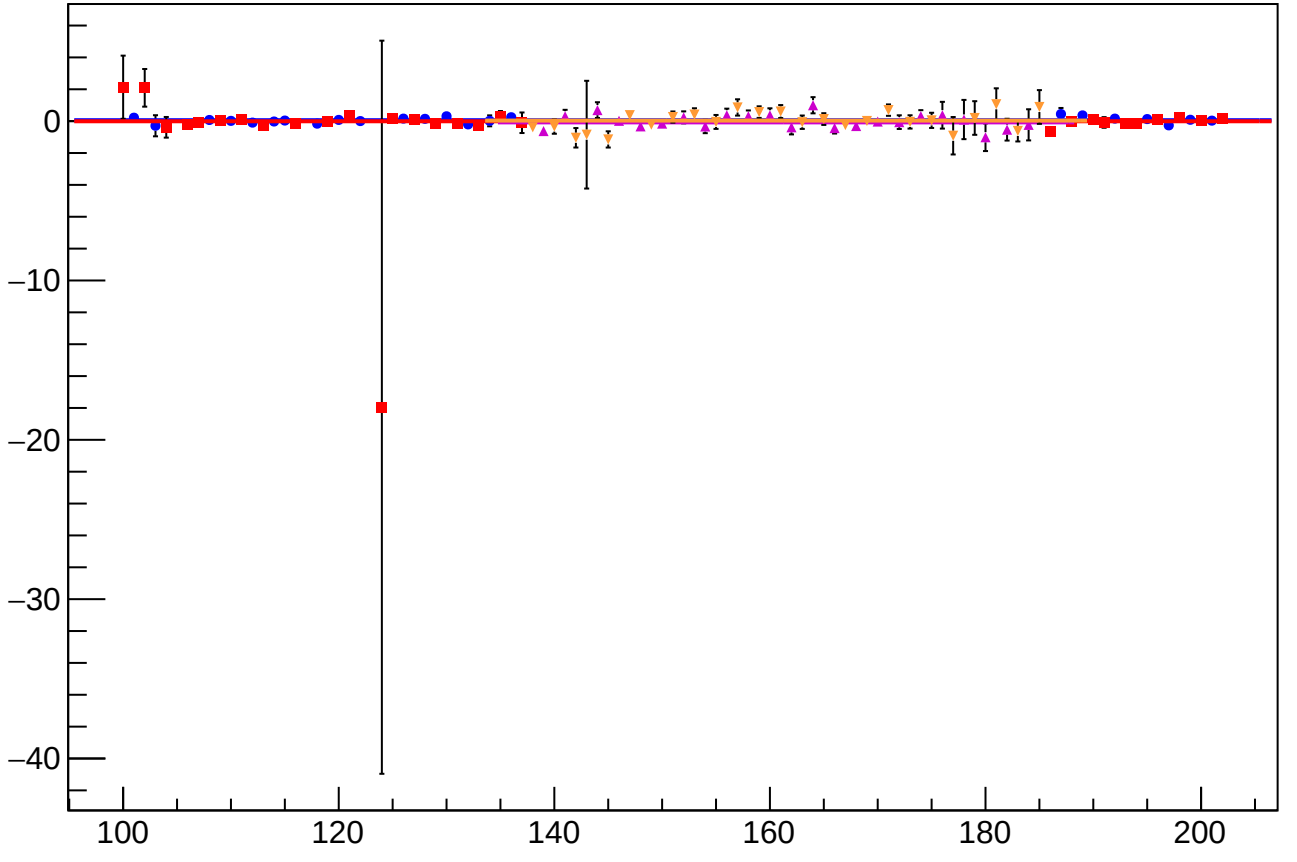
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18514525.4/47

All: 0.000+/-0.000 χ^2/NDF: 36618733.2/99

- sign 0.000+/-0.000 χ^2/NDF: 7316157.7/51

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.060+/-0.039 χ^2/NDF: 15.6/22

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.008+/-0.034 χ^2/NDF: 31.2/28

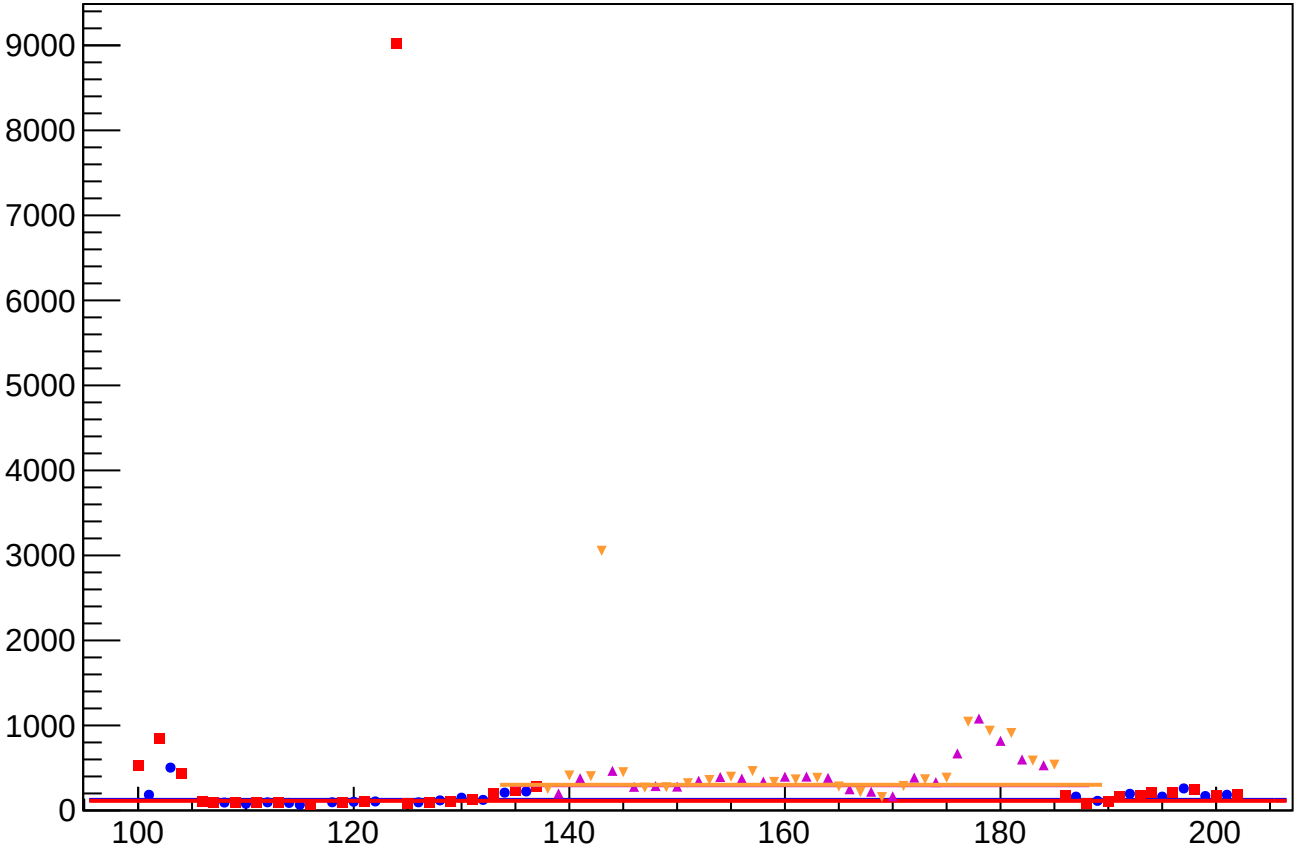
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/47

All: 0.013+/-0.023 χ^2/NDF: 103.8/99

- sign -0.020+/-0.031 χ^2/NDF: 56.0/51

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 124.370+/-0.028 χ^2/NDF: 3205000.5/22

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 113.319+/-0.024 χ^2/NDF: 5057217.8/28

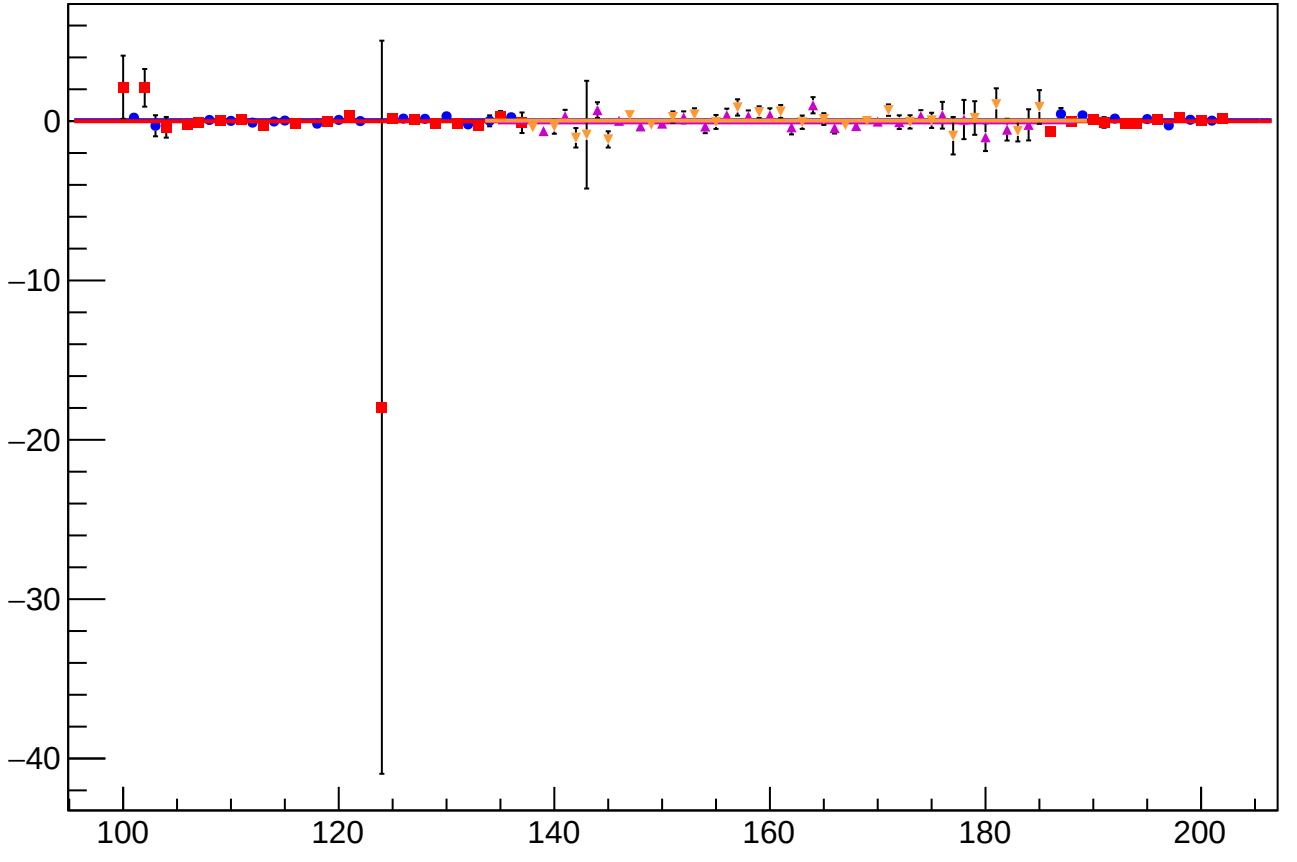
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 160.831+/-0.025 χ^2/NDF: 18343564.3/47

All: 151.718+/-0.016 χ^2/NDF: 38320264.4/99

- sign 144.434+/-0.022 χ^2/NDF: 19731072.0/51

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.060+/-0.039 χ^2/NDF: 15.6/22

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.008+/-0.034 χ^2/NDF: 31.2/28

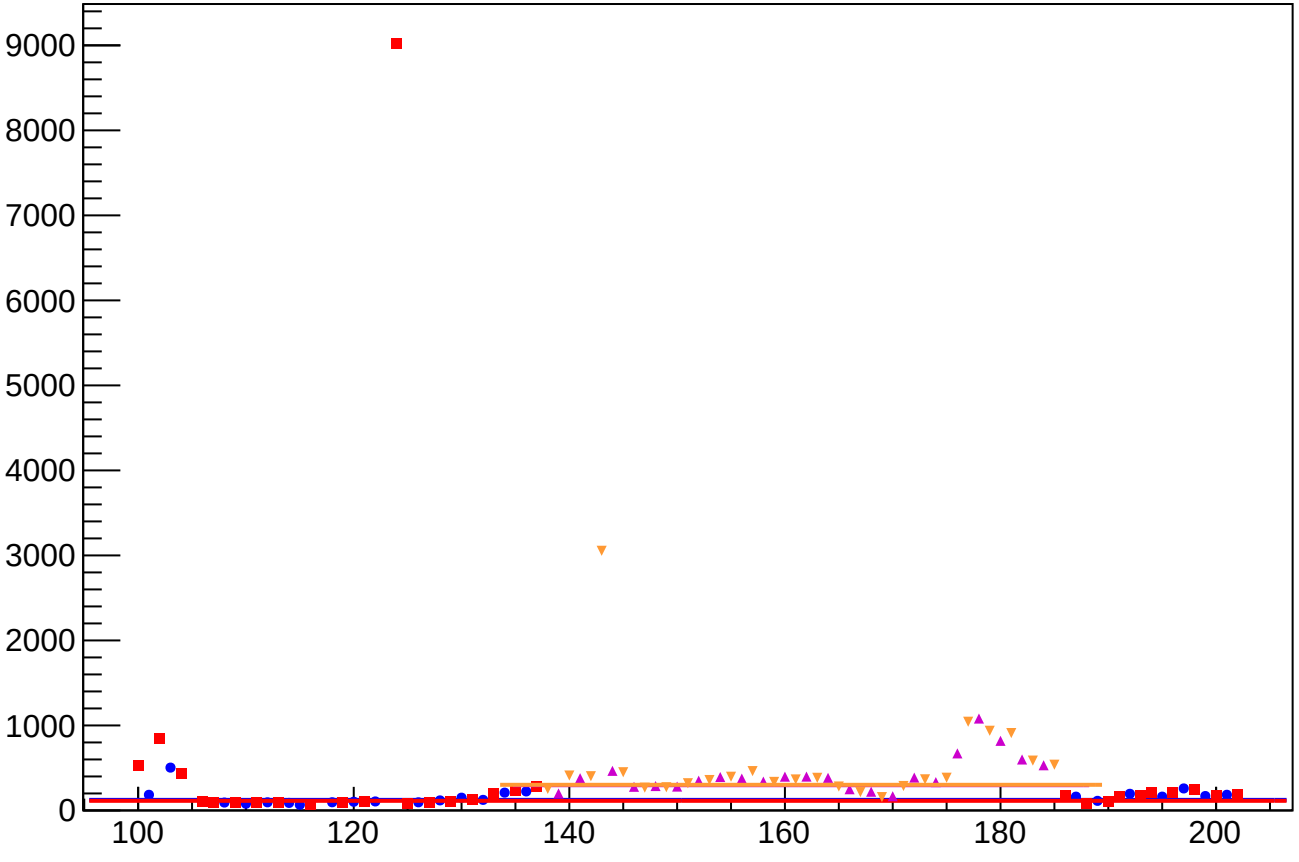
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

\+ sign 0.055+/-0.035 χ^2/NDF: 45.3/47

All: 0.013+/-0.023 χ^2/NDF: 103.8/99

\- sign -0.020+/-0.031 χ^2/NDF: 56.0/51

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 124.370+/-0.028 χ^2/NDF: 3205000.5/22

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

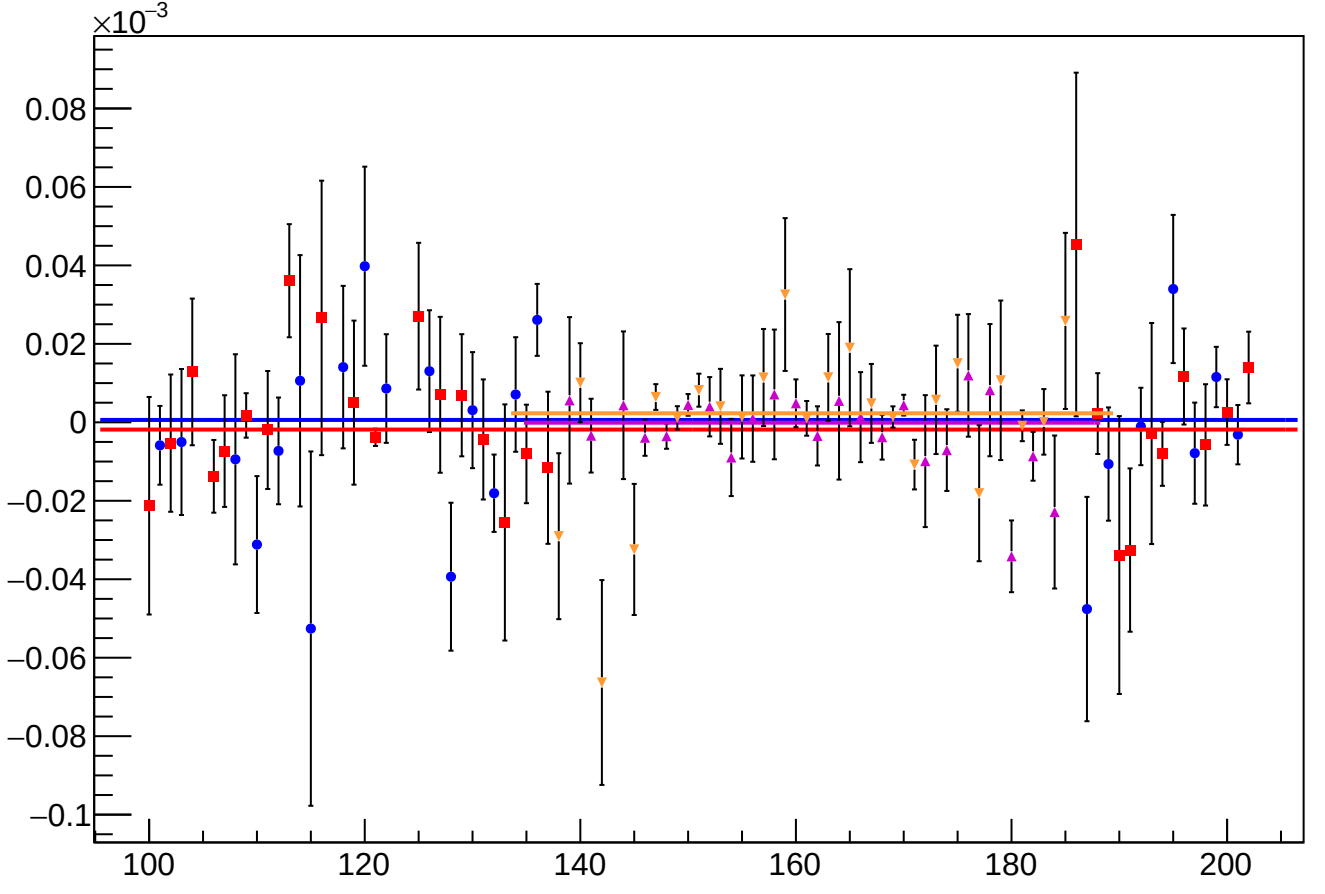
Right Out: 113.319+/-0.024 χ^2/NDF: 5057217.8/28

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 160.831+/-0.025 χ^2/NDF: 18343564.3/47

All: 151.718+/-0.016 χ^2/NDF: 38320264.4/99

- sign 144.434+/-0.022 χ^2/NDF: 19731072.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 34.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

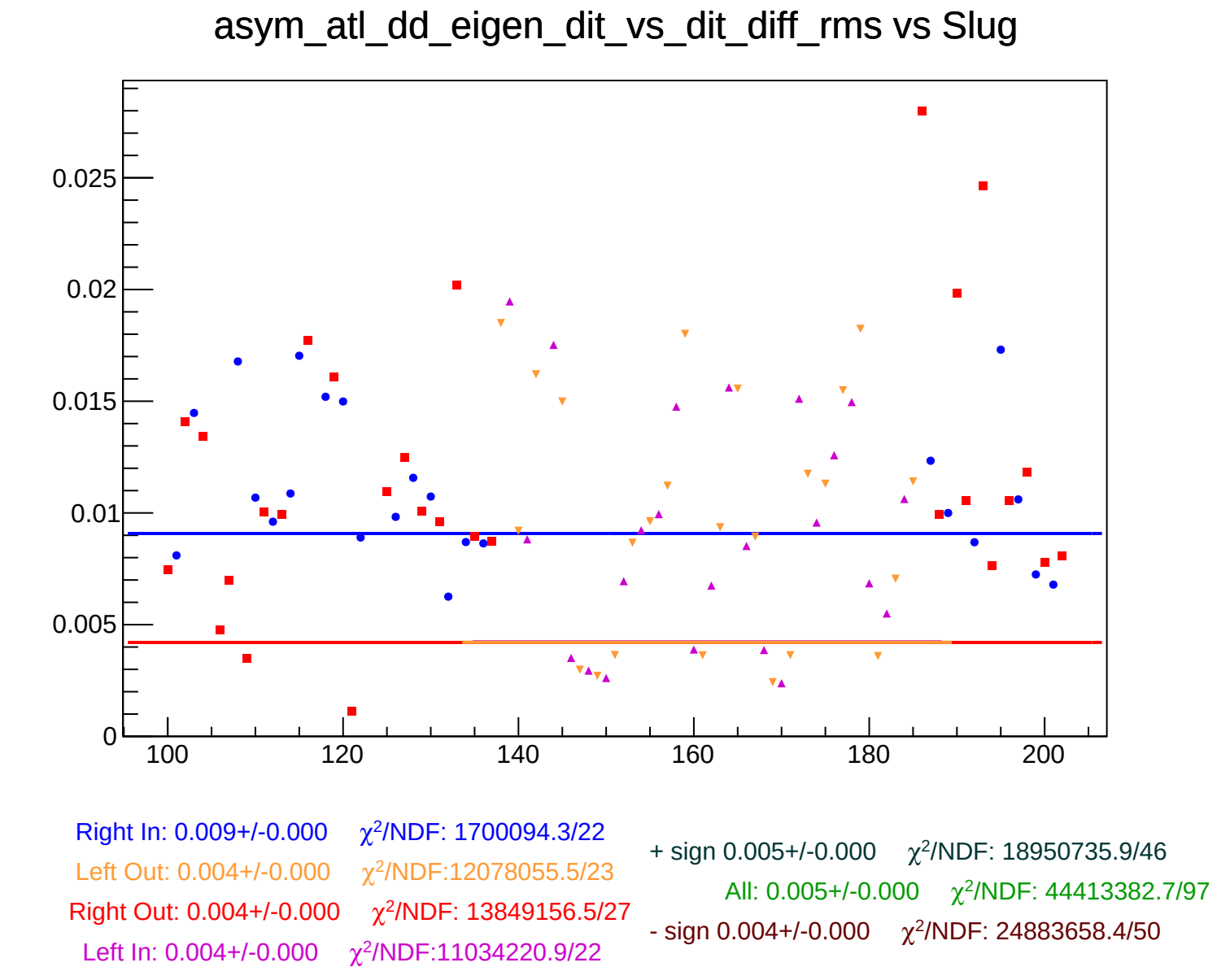
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/27

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

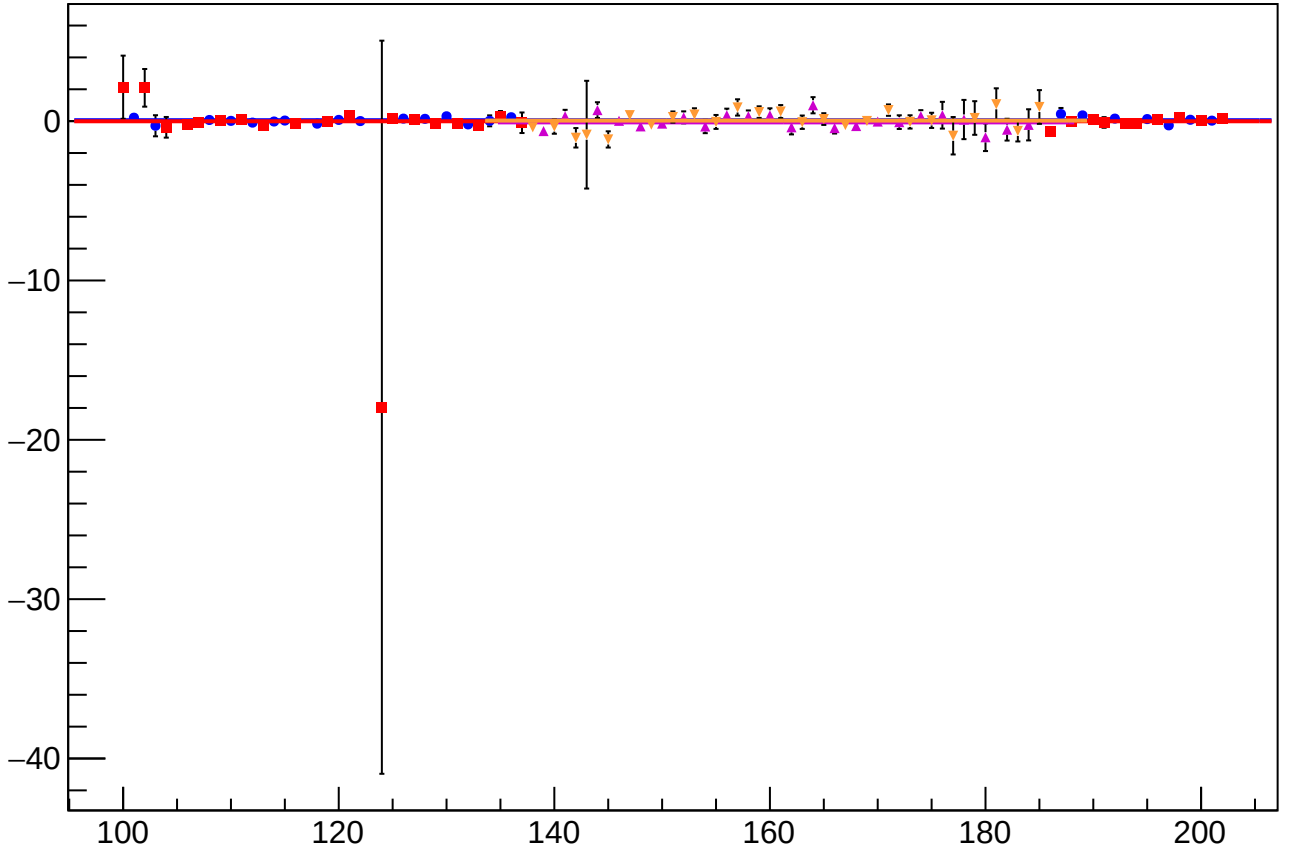
+ sign 0.000+/-0.000 χ^2/NDF: 66.4/46

All: 0.000+/-0.000 χ^2/NDF: 124.8/97

- sign -0.000+/-0.000 χ^2/NDF: 55.1/50


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 1700094.3/22
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 13849156.5/27
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
+ sign 0.005+/-0.000 χ²/NDF: 18950735.9/46
All: 0.005+/-0.000 χ²/NDF: 44413382.7/97
- sign 0.004+/-0.000 χ²/NDF: 24883658.4/50

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.060+/-0.039 χ^2/NDF: 15.6/22

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.008+/-0.034 χ^2/NDF: 31.2/28

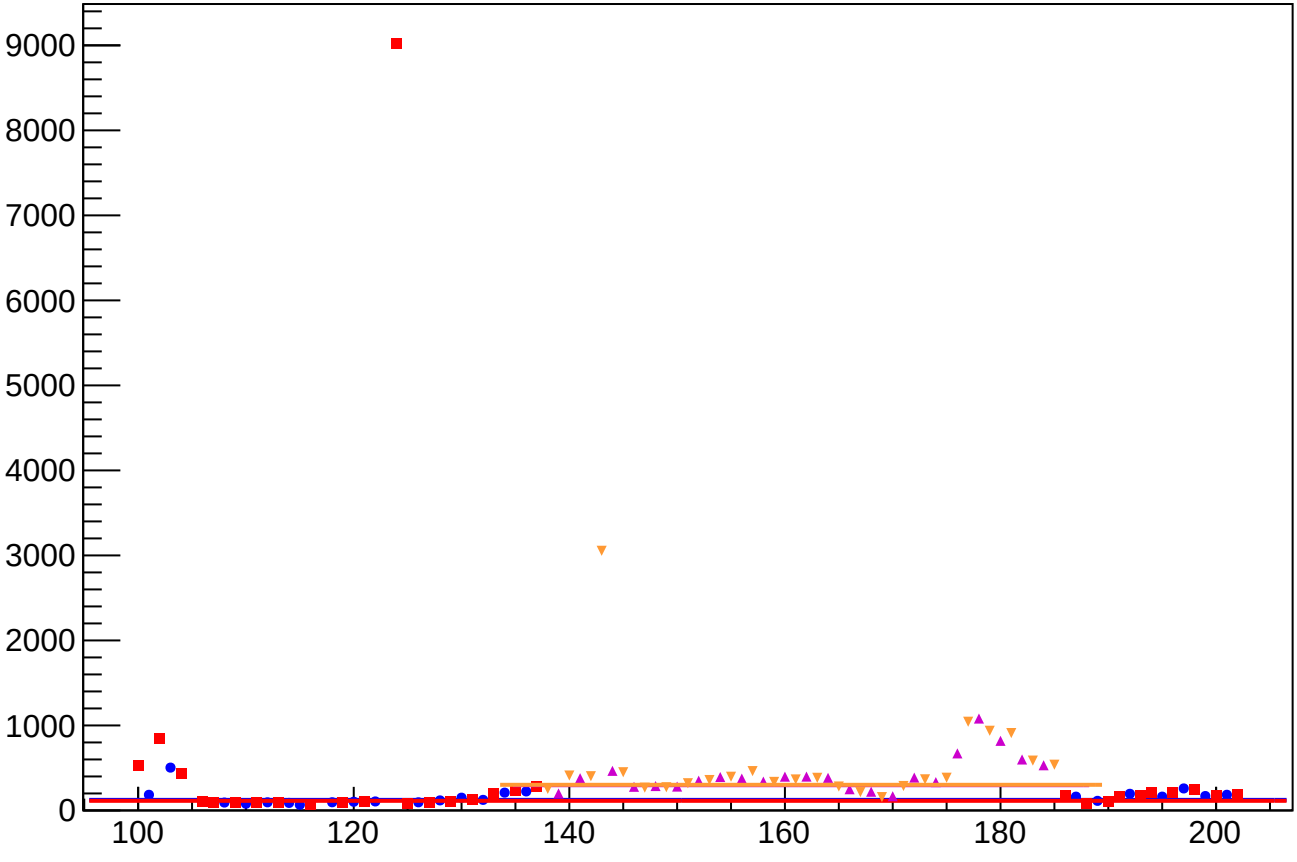
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/47

All: 0.013+/-0.023 χ^2/NDF: 103.8/99

- sign -0.020+/-0.031 χ^2/NDF: 56.0/51

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 124.370+/-0.028 χ^2/NDF: 3204934.3/22

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

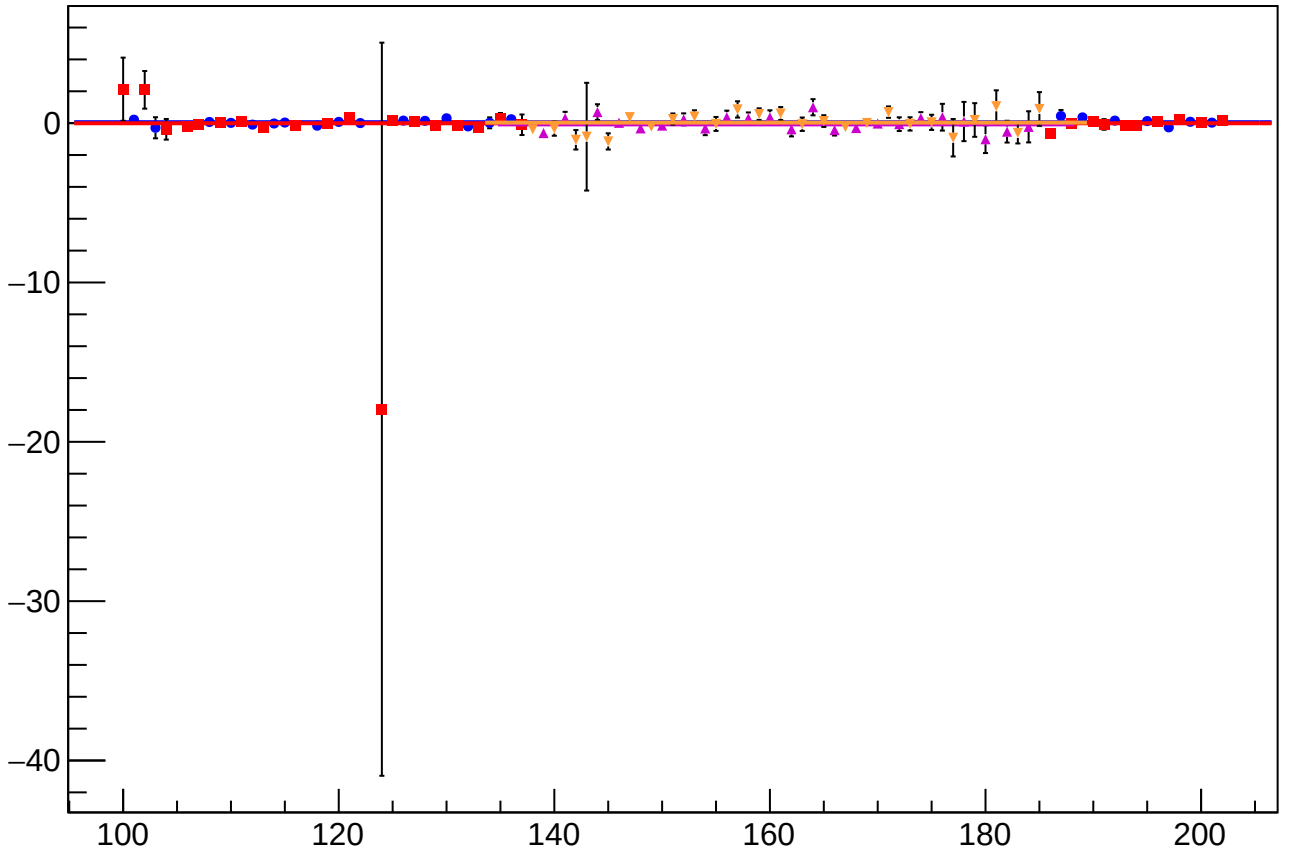
Right Out: 113.320+/-0.024 χ^2/NDF: 5057064.6/28

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 160.831+/-0.025 χ^2/NDF: 18343614.1/47

All: 151.718+/-0.016 χ^2/NDF: 38320209.0/99

- sign 144.435+/-0.022 χ^2/NDF: 19730982.2/51



Right In: 0.060+/-0.039 χ^2/NDF: 15.6/22

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

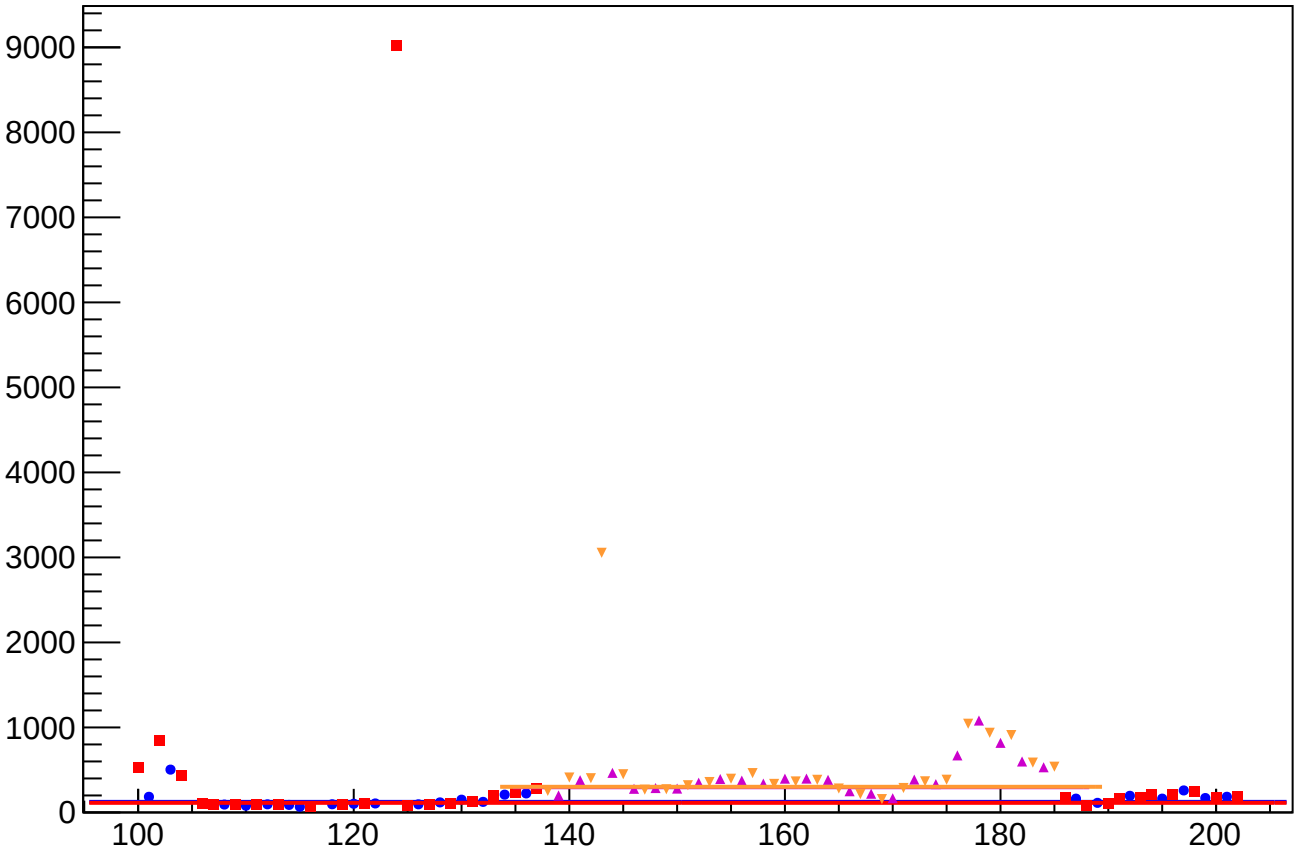
Right Out: -0.008+/-0.034 χ^2/NDF: 31.2/28

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/47

All: 0.013+/-0.023 χ^2/NDF: 103.8/99

- sign -0.020+/-0.031 χ^2/NDF: 56.0/51



Right In: 124.370+/-0.028 χ^2/NDF: 3204934.3/22

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

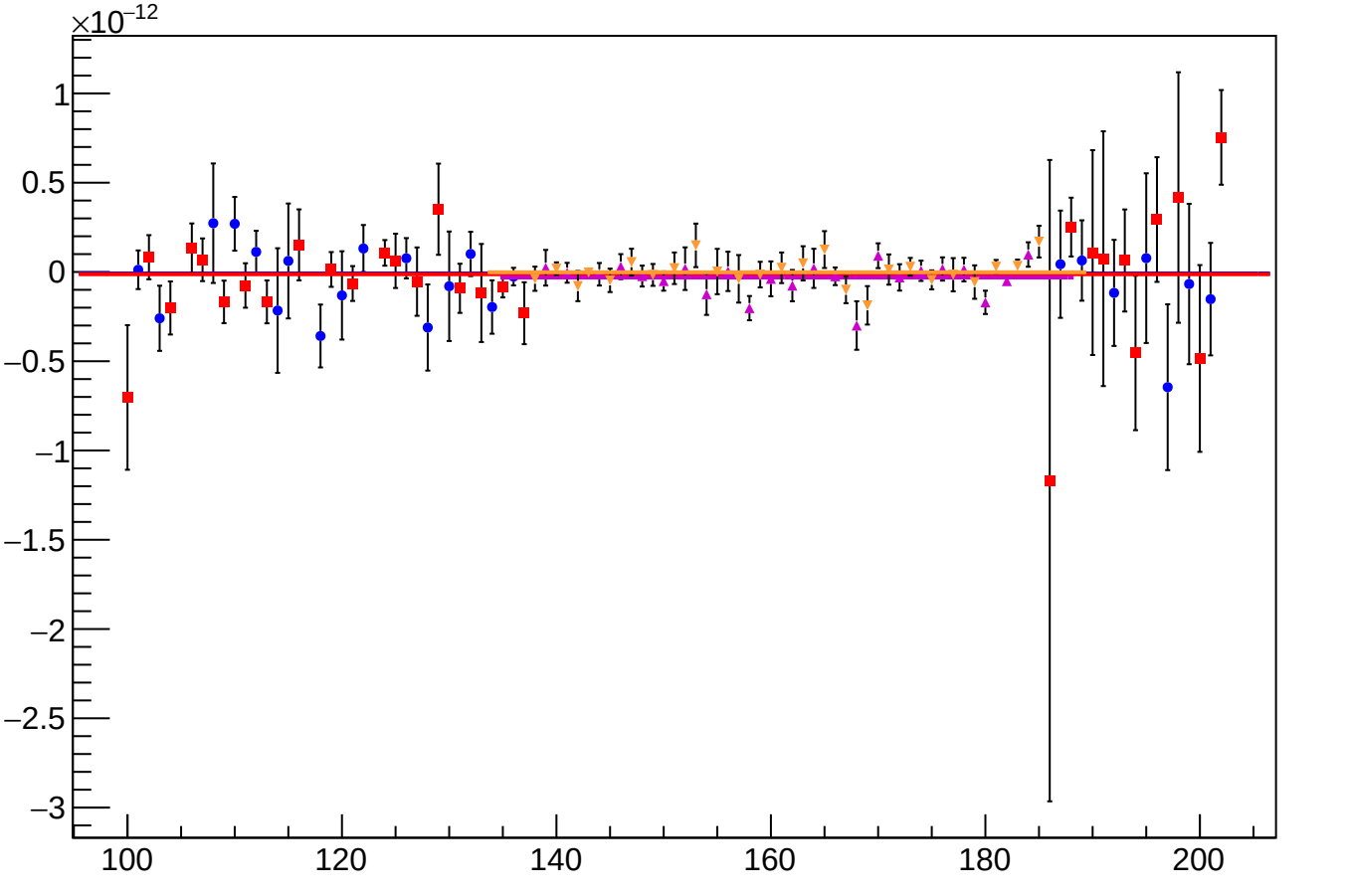
Right Out: 113.320+/-0.024 χ^2/NDF: 5057064.6/28

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 160.831+/-0.025 χ^2/NDF: 18343614.1/47

All: 151.718+/-0.016 χ^2/NDF: 38320209.0/99

- sign 144.435+/-0.022 χ^2/NDF: 19730982.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

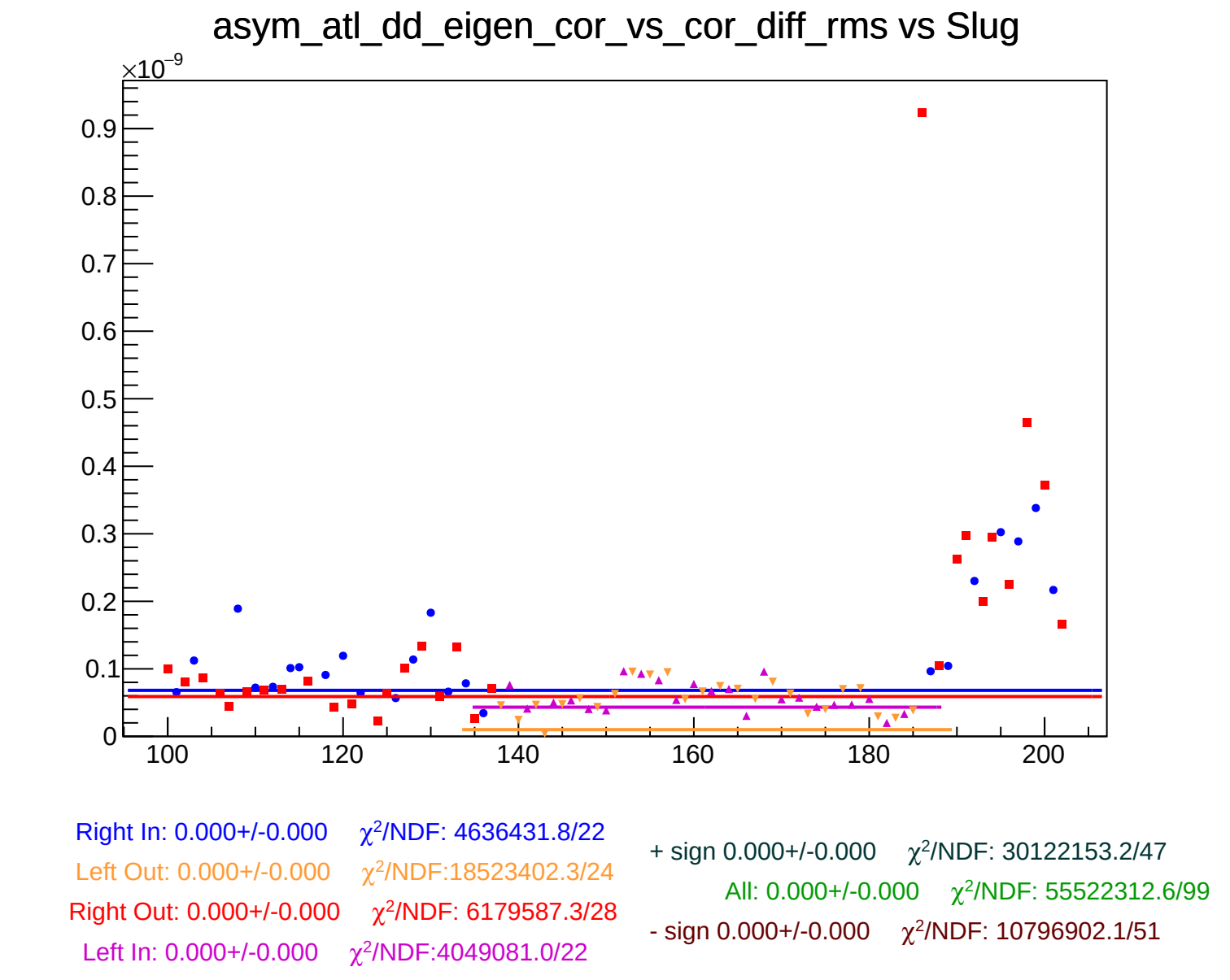
Right Out: -0.000+/-0.000 χ^2/NDF: 34.4/28

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

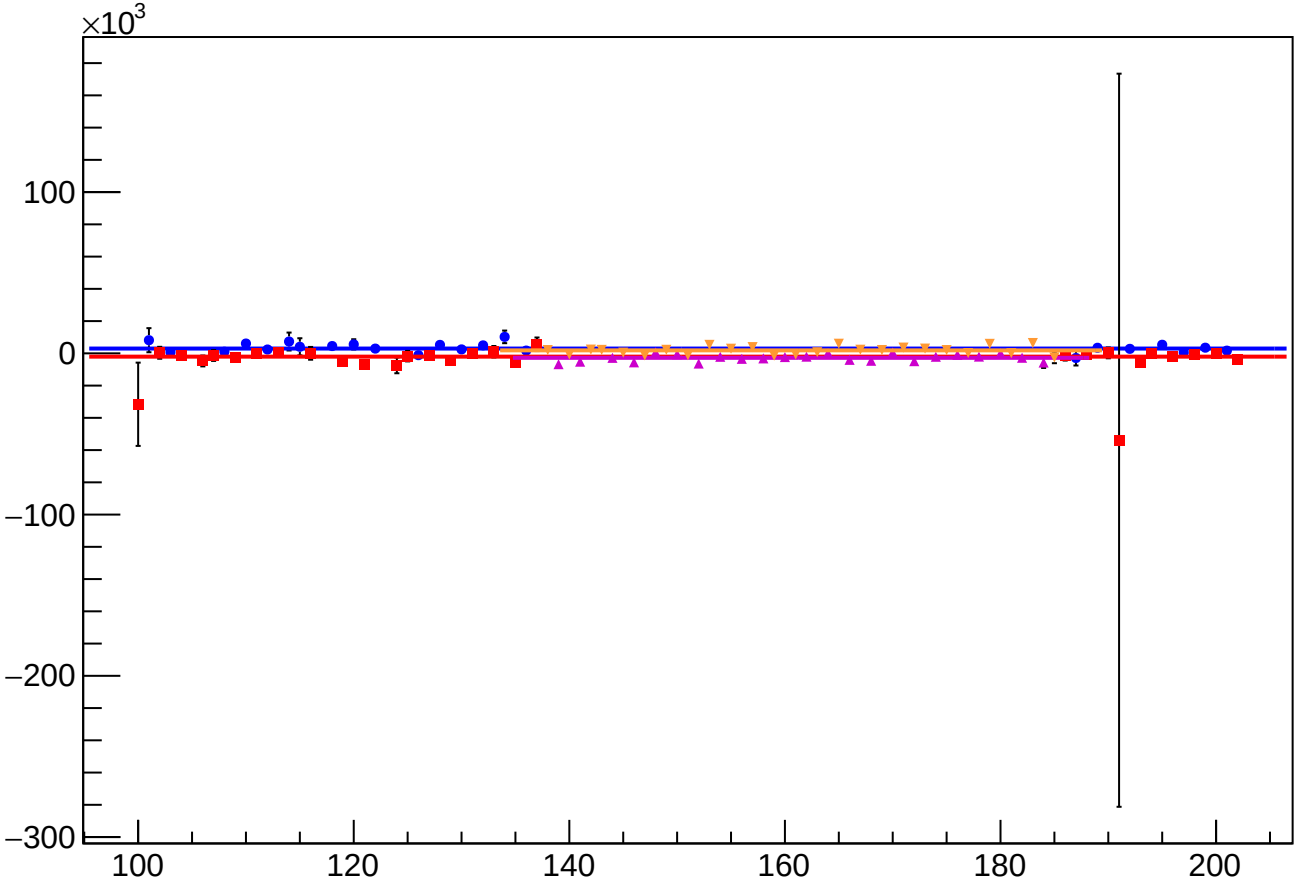
+ sign -0.000+/-0.000 χ^2/NDF: 37.7/47

All: -0.000+/-0.000 χ^2/NDF: 102.7/99

- sign -0.000+/-0.000 χ^2/NDF: 61.2/51


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4636431.8/22
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 6179587.3/28
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
+ sign 0.000+/-0.000 χ²/NDF: 30122153.2/47
All: 0.000+/-0.000 χ²/NDF: 55522312.6/99
- sign 0.000+/-0.000 χ²/NDF: 10796902.1/51

reg_asym_atr_avg_mean vs Slug



Right In: 2975.288+/-561.897 χ^2/NDF: 16.3/22

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2042.208+/-520.691 χ^2/NDF: 22.4/28

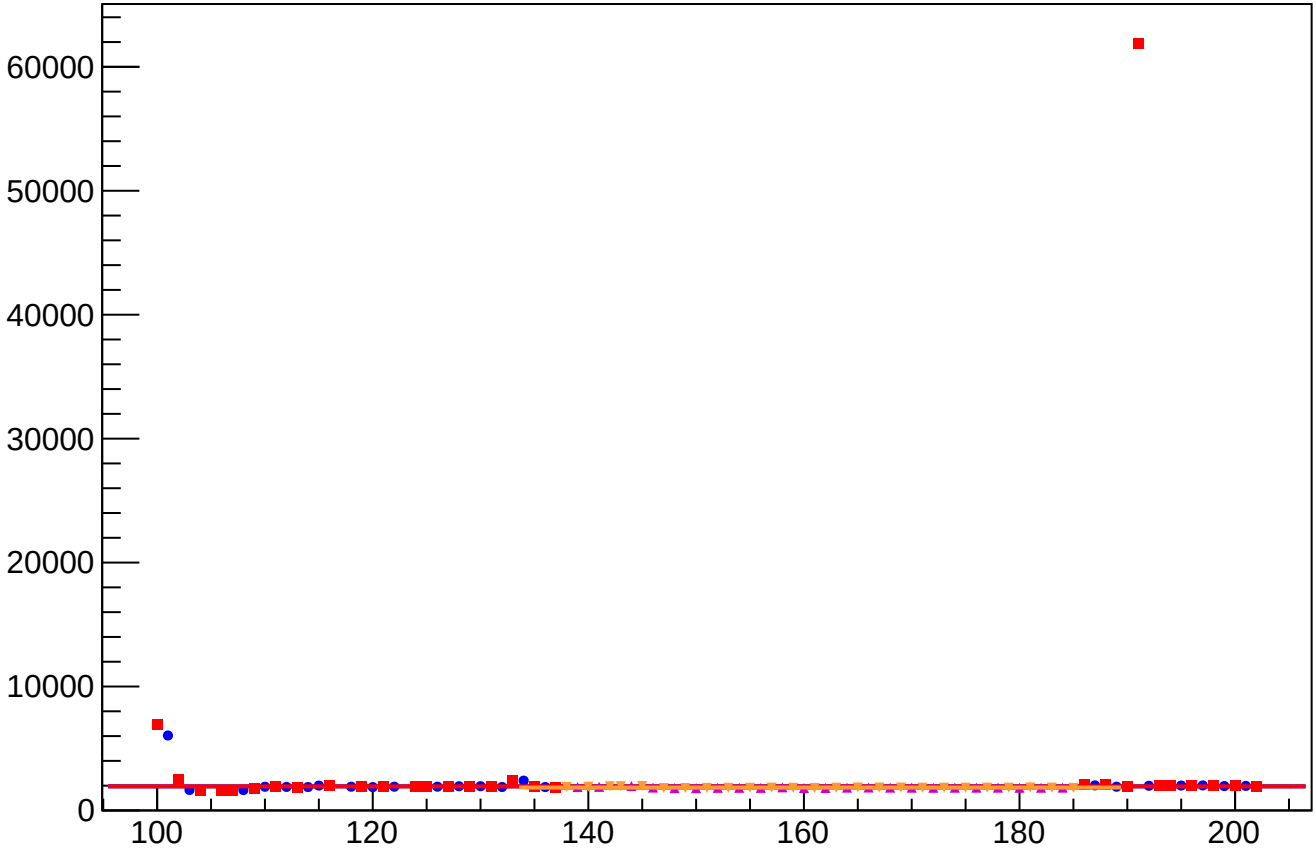
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2254.642+/-336.411 χ^2/NDF: 50.4/47

All: -143.046+/-236.287 χ^2/NDF: 199.6/99

- sign -2477.621+/-331.954 χ^2/NDF: 49.0/51

reg_asym_atr_avg_rms vs Slug



Right In: 1946.650+/-0.397 χ^2/NDF: 706307.2/22

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1943.654+/-0.367 χ^2/NDF: 403716.5/28

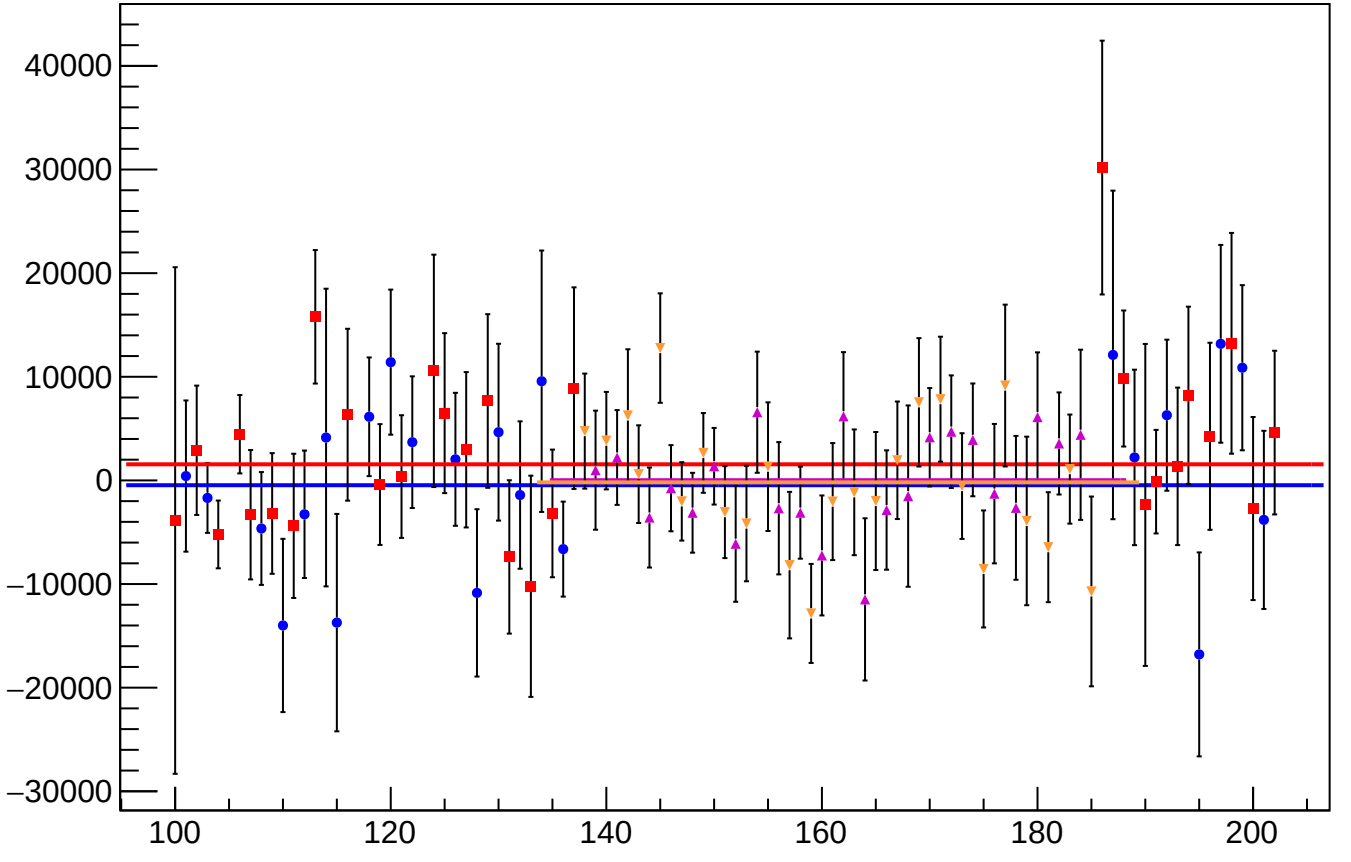
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1883.696+/-0.238 χ^2/NDF: 766326.1/47

All: 1884.470+/-0.167 χ^2/NDF: 1226746.5/99

- sign 1885.222+/-0.235 χ^2/NDF: 460399.5/51

asym_atr_avg_reg_correction_mean vs Slug



Right In: -463.029+/-1435.660 χ^2/NDF: 23.1/22

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1554.944+/-1251.035 χ^2/NDF: 27.3/28

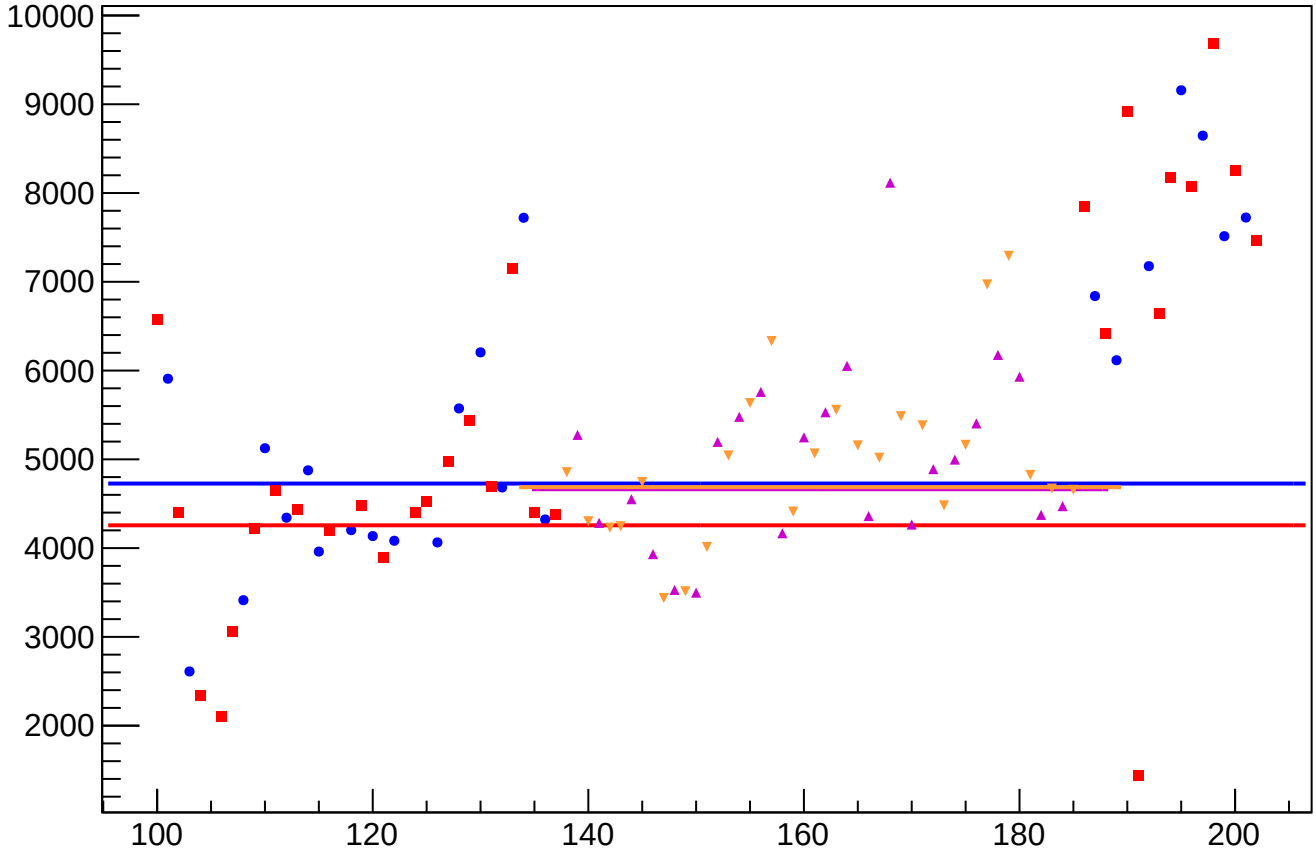
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -289.330+/-867.439 χ^2/NDF: 52.0/47

All: 225.040+/-600.213 χ^2/NDF: 94.6/99

- sign 697.522+/-831.369 χ^2/NDF: 41.9/51

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4727.227+/-1.015 χ^2/NDF: 2808383.6/22

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

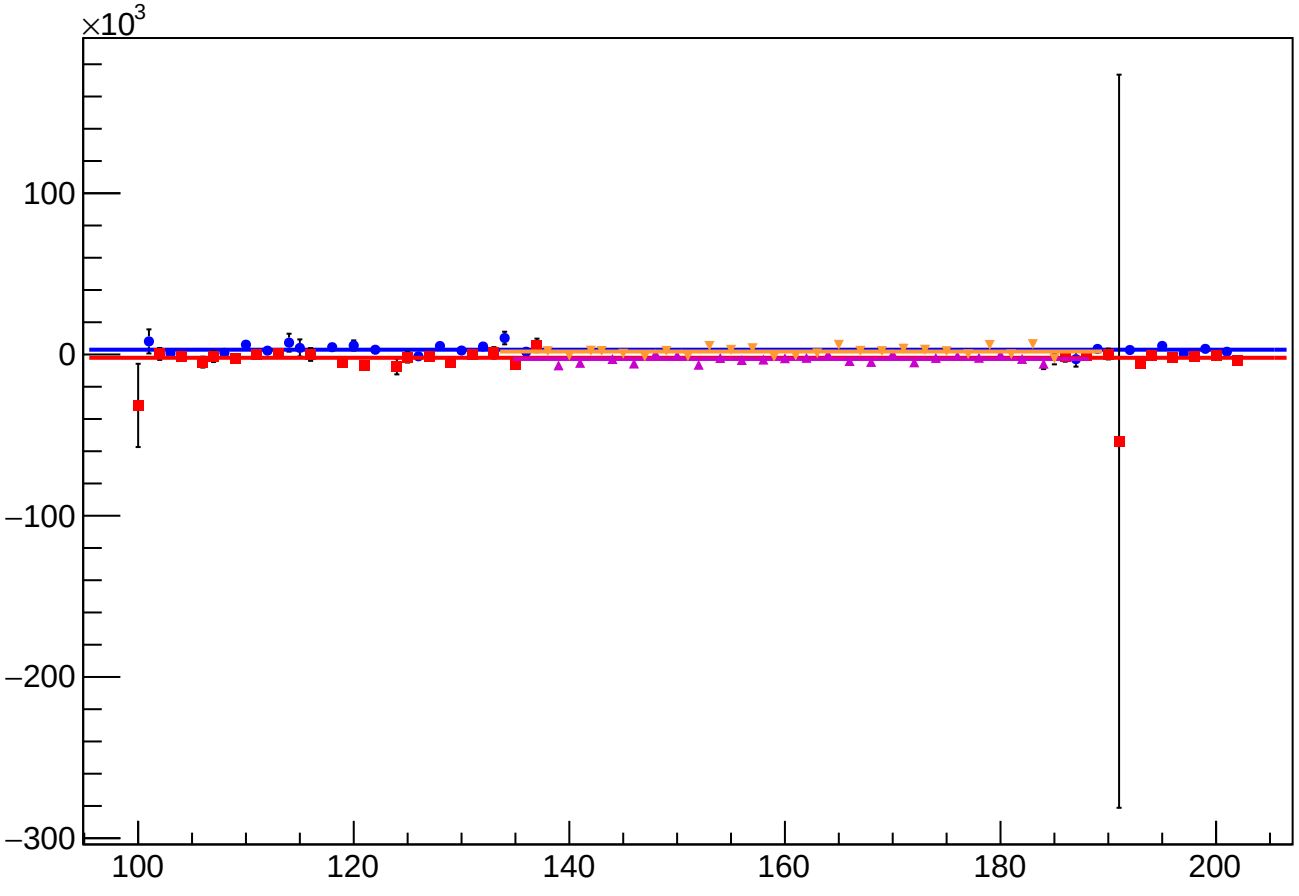
Right Out: 4256.913+/-0.885 χ^2/NDF: 5102341.8/28

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4701.275+/-0.613 χ^2/NDF: 3994476.6/47

All: 4587.930+/-0.424 χ^2/NDF: 10566885.2/9

- sign 4483.815+/-0.588 χ^2/NDF: 6506894.5/51



Right In: 2974.958+/-561.897 χ^2/NDF: 16.3/22

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2042.773+/-520.693 χ^2/NDF: 22.4/28

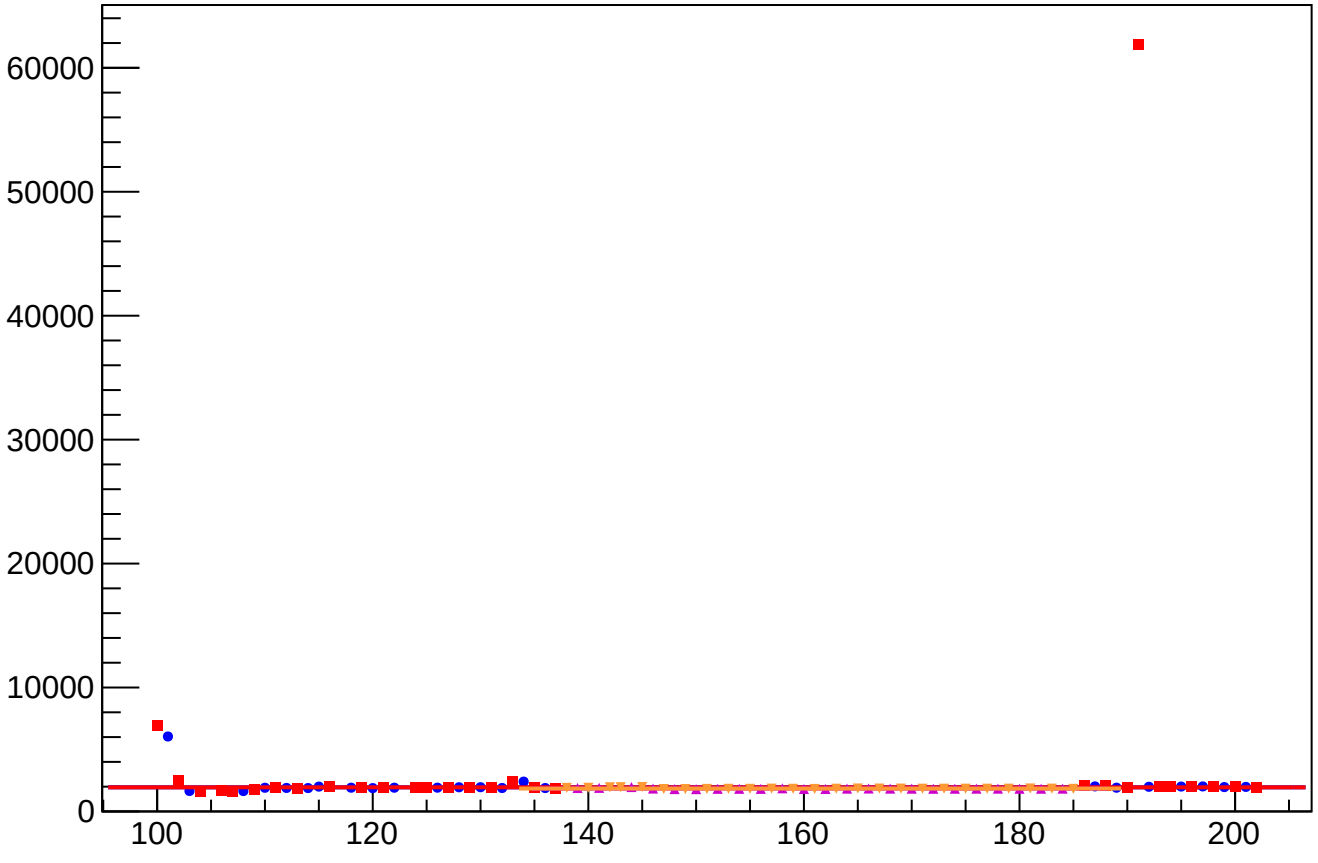
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2254.453+/-336.412 χ^2/NDF: 50.3/47

All: -143.246+/-236.287 χ^2/NDF: 199.6/99

- sign -2477.837+/-331.955 χ^2/NDF: 49.0/51

cor_asym_atr_avg_rms vs Slug



Right In: 1946.650+/-0.397 χ^2/NDF: 706306.2/22

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1945.903+/-0.368 χ^2/NDF: 395553.2/28

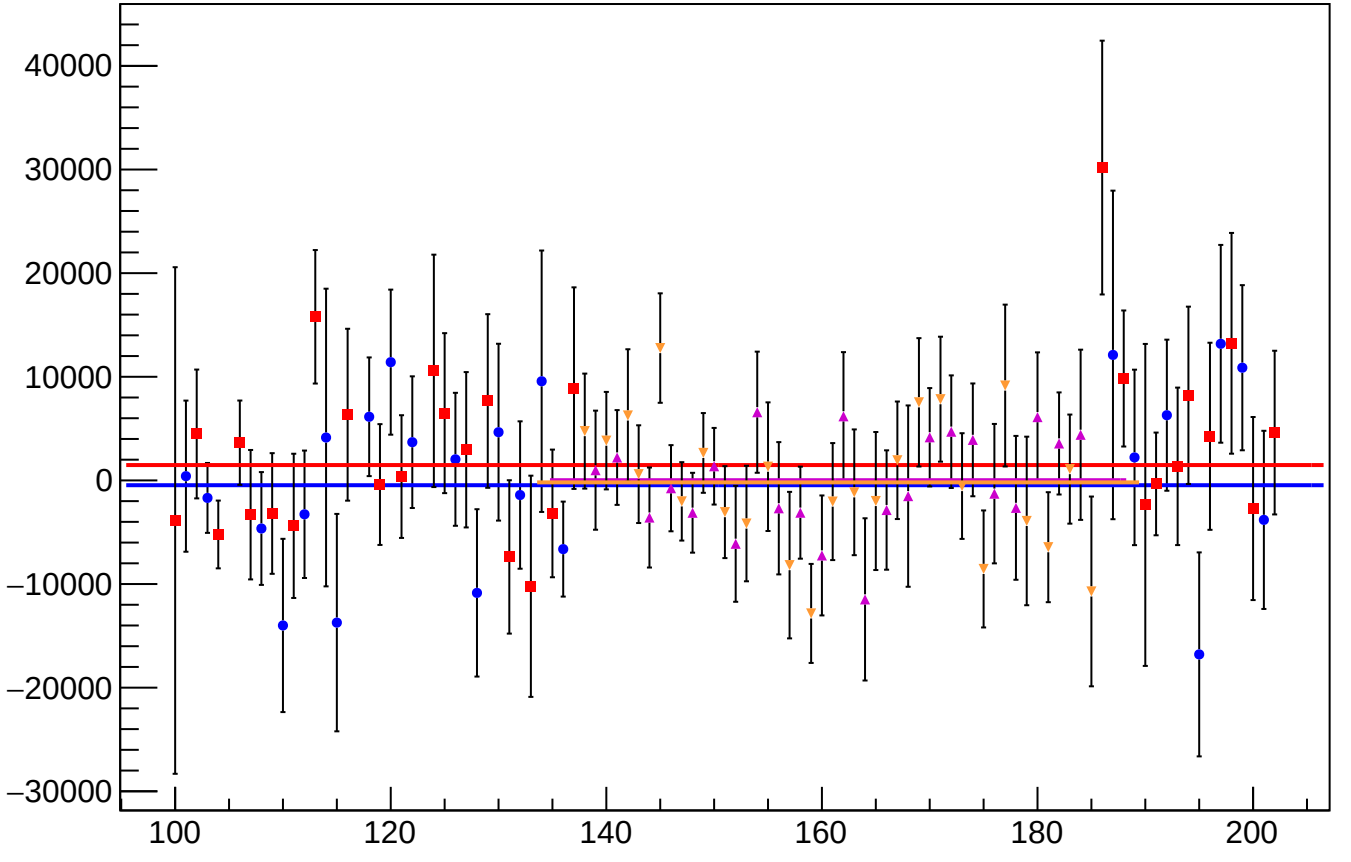
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1883.696+/-0.238 χ^2/NDF: 766325.3/47

All: 1884.908+/-0.167 χ^2/NDF: 1220526.9/99

- sign 1886.088+/-0.235 χ^2/NDF: 454150.3/51

asym_atr_avg_cor_correction_mean vs Slug



Right In: -463.278+/-1435.662 χ^2/NDF: 23.1/22

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1481.458+/-1259.608 χ^2/NDF: 27.2/28

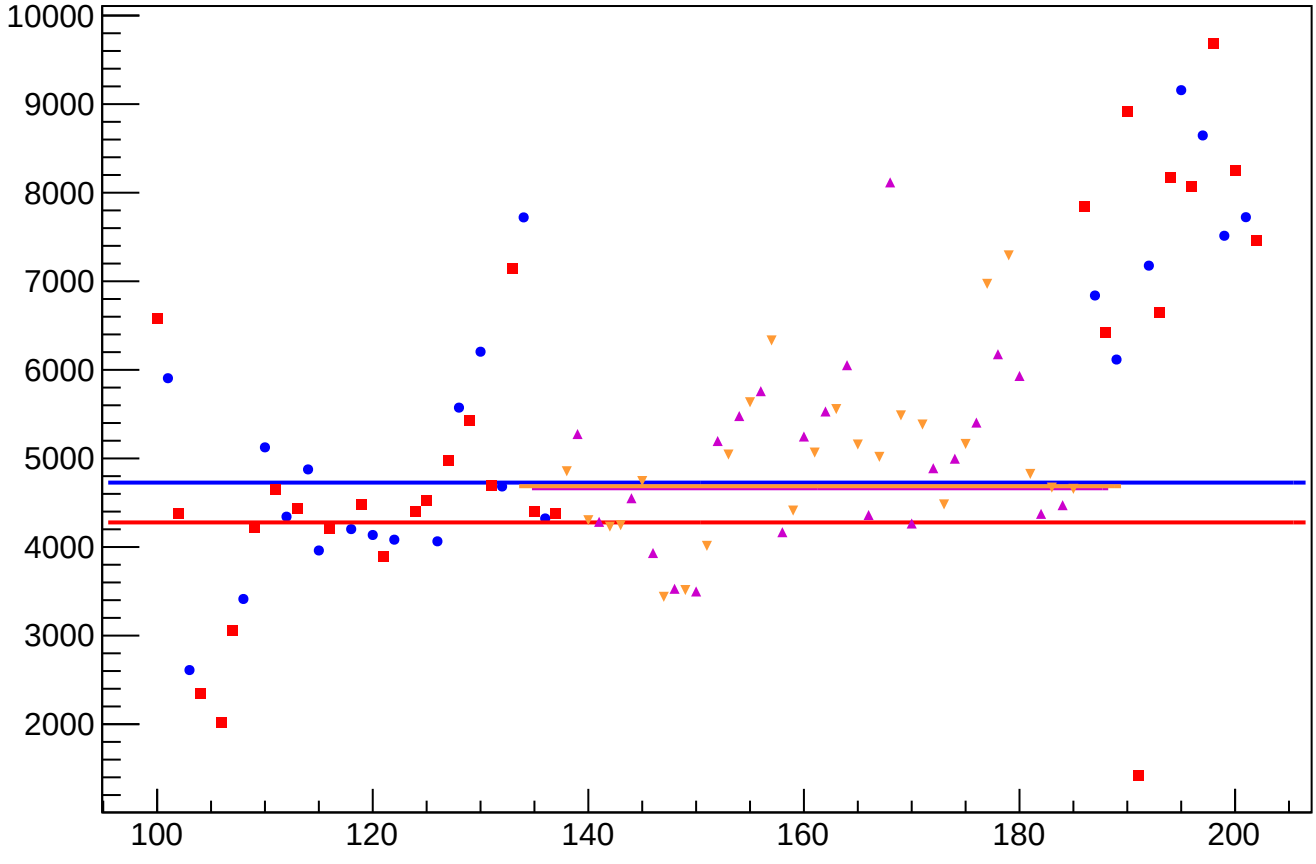
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -289.439+/-867.439 χ^2/NDF: 52.0/47

All: 204.095+/-601.153 χ^2/NDF: 94.4/99

- sign 660.171+/-833.871 χ^2/NDF: 41.7/51

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4727.305+/-1.015 χ^2/NDF: 2807796.1/22

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

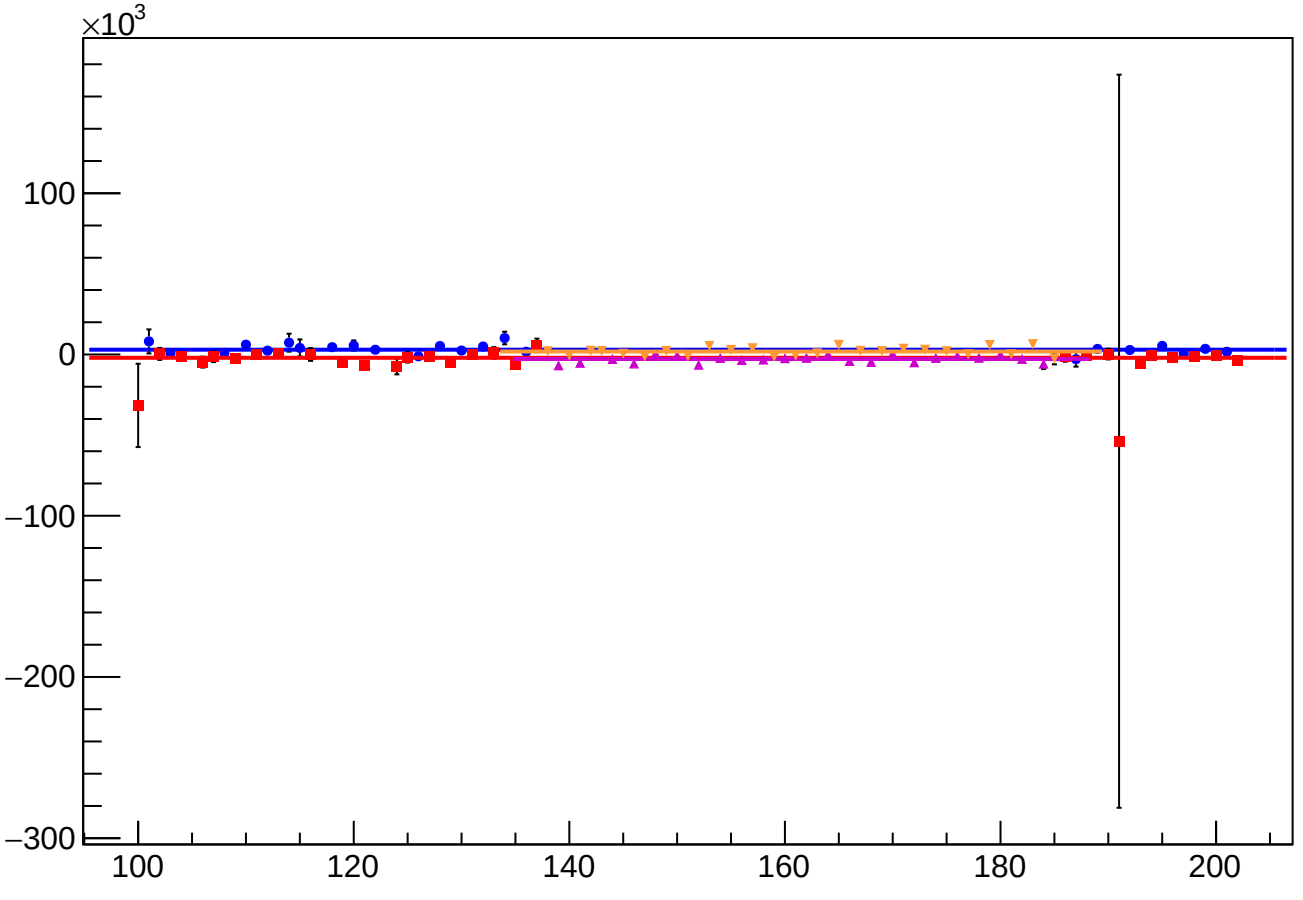
Right Out: 4277.643+/-0.891 χ^2/NDF: 5070148.0/28

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4701.299+/-0.613 χ^2/NDF: 3993918.7/47

All: 4593.700+/-0.425 χ^2/NDF: 10515302.4/9

- sign 4494.269+/-0.590 χ^2/NDF: 6462174.1/51



Right In: 2974.958+/-561.897 χ^2/NDF: 16.3/22

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2042.773+/-520.693 χ^2/NDF: 22.4/28

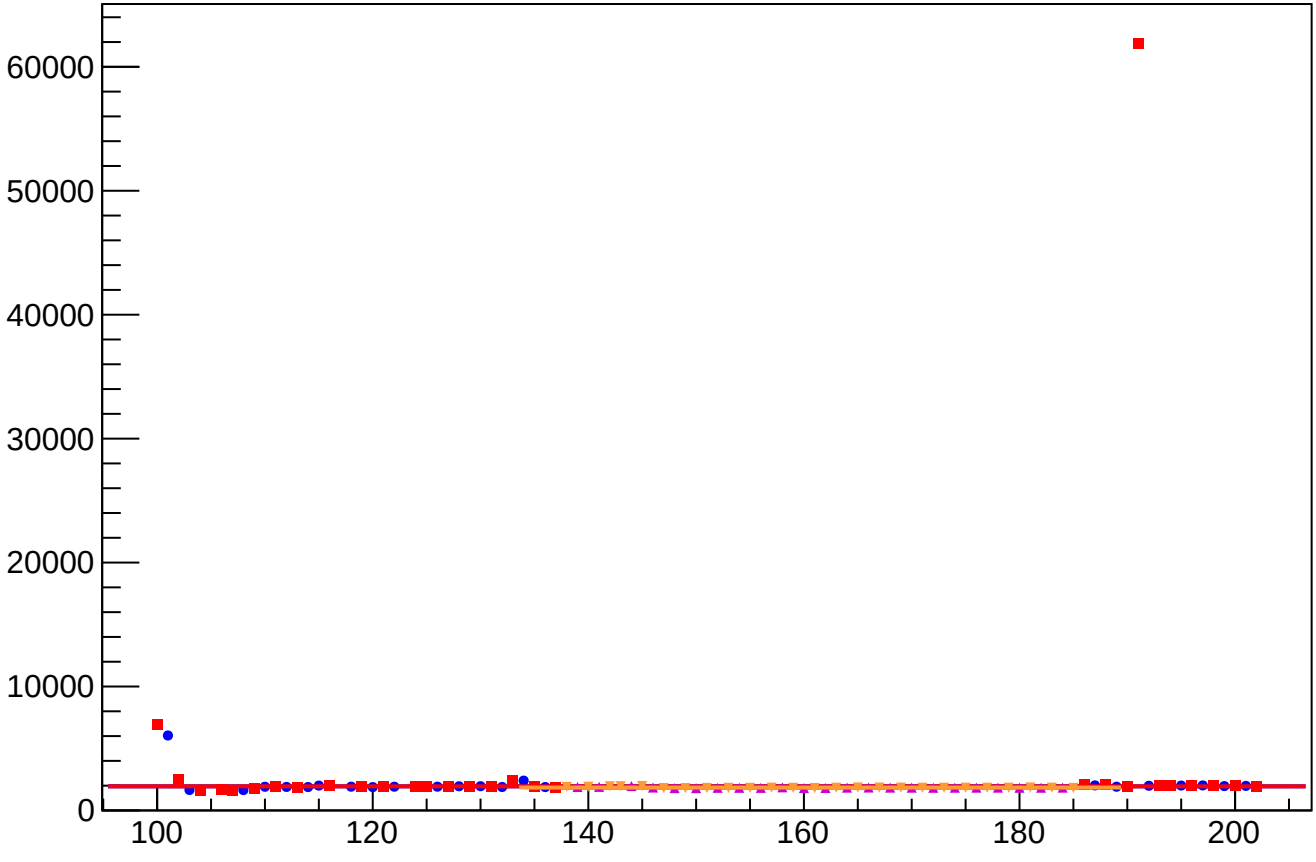
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2254.453+/-336.412 χ^2/NDF: 50.3/47

All: -143.246+/-236.287 χ^2/NDF: 199.6/99

- sign -2477.837+/-331.955 χ^2/NDF: 49.0/51

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1946.650+/-0.397 χ^2/NDF: 706306.2/22

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1945.903+/-0.368 χ^2/NDF: 395553.2/28

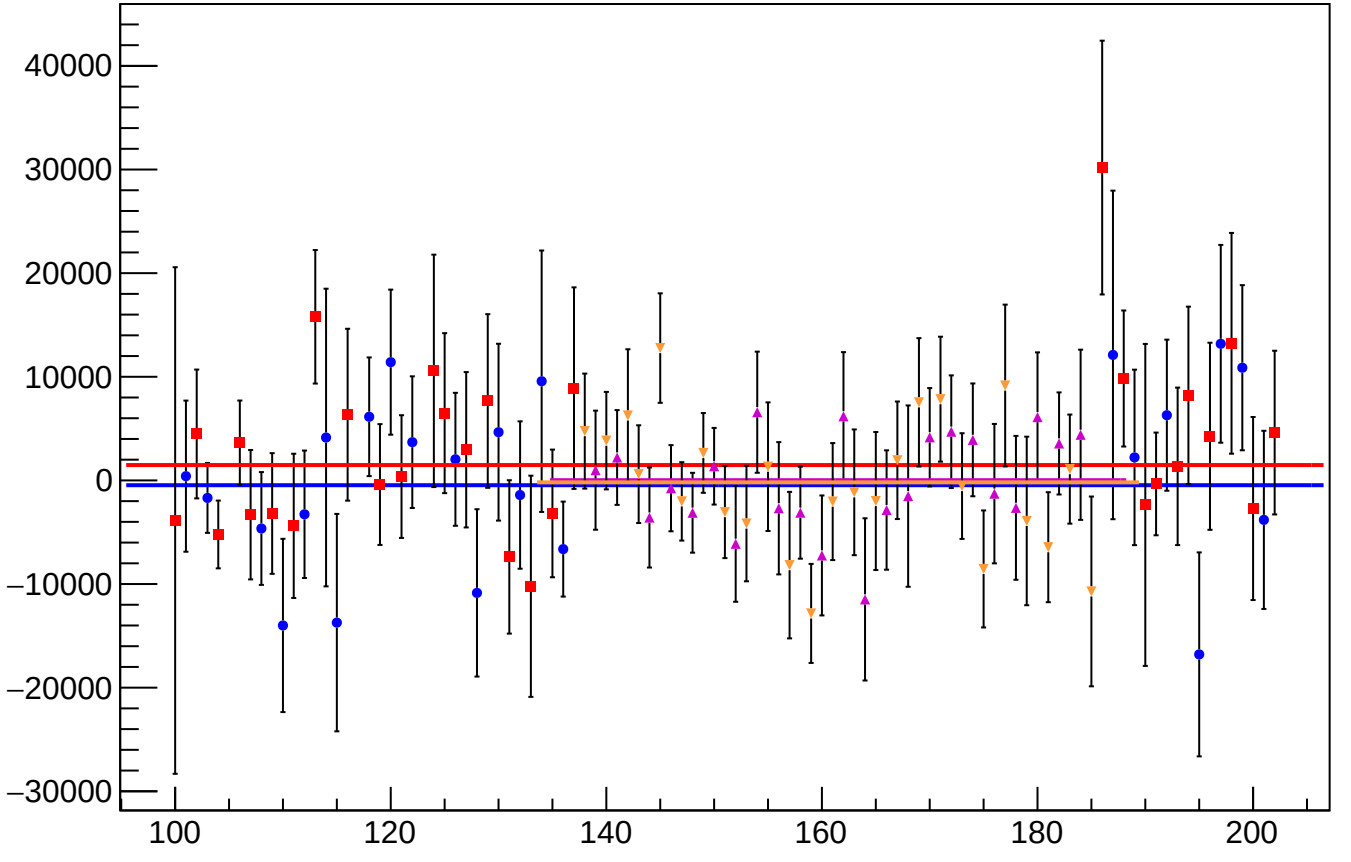
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1883.696+/-0.238 χ^2/NDF: 766325.3/47

All: 1884.908+/-0.167 χ^2/NDF: 1220526.9/99

- sign 1886.088+/-0.235 χ^2/NDF: 454150.3/51

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -463.278+/-1435.662 χ^2/NDF: 23.1/22

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1481.458+/-1259.608 χ^2/NDF: 27.2/28

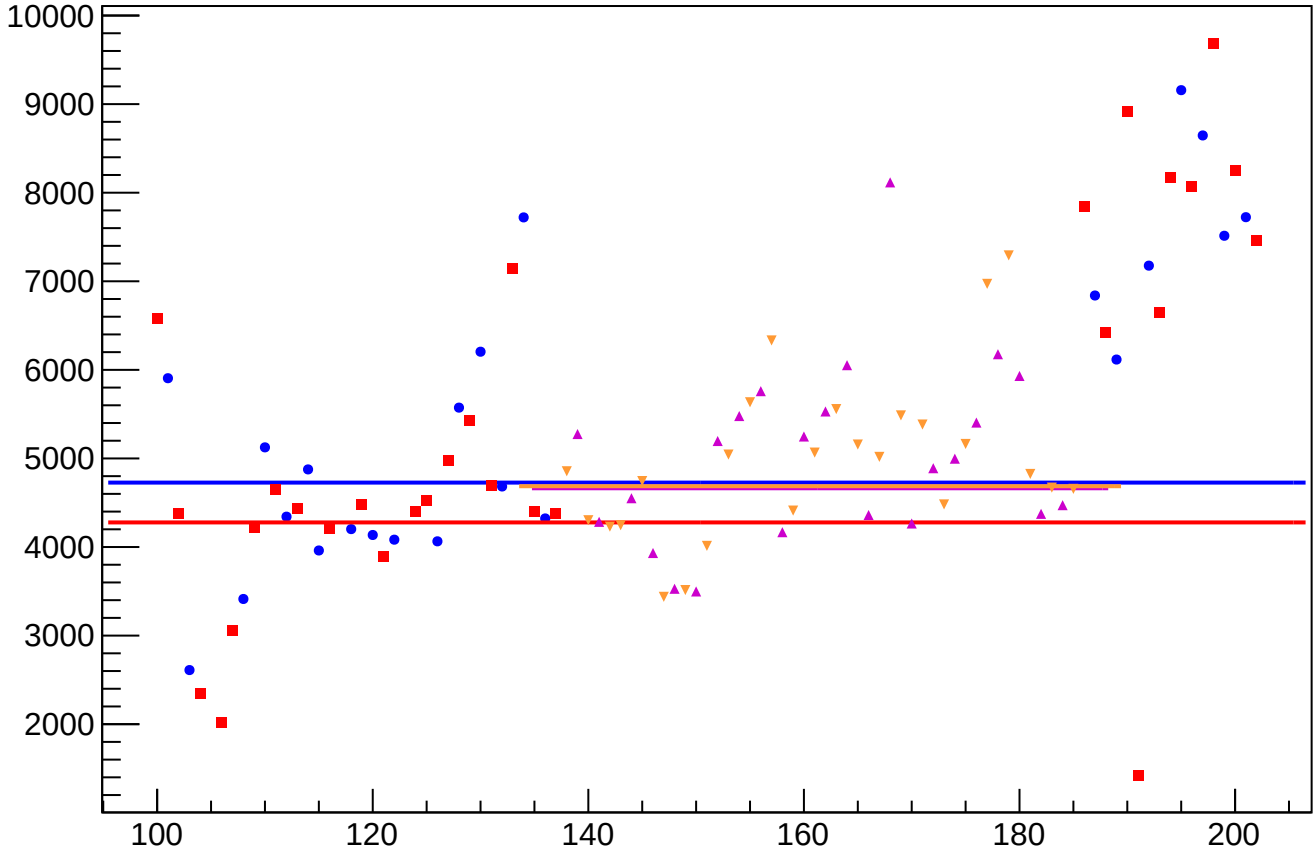
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -289.439+/-867.439 χ^2/NDF: 52.0/47

All: 204.095+/-601.153 χ^2/NDF: 94.4/99

- sign 660.171+/-833.871 χ^2/NDF: 41.7/51

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4727.305+/-1.015 χ^2/NDF: 2807796.1/22

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

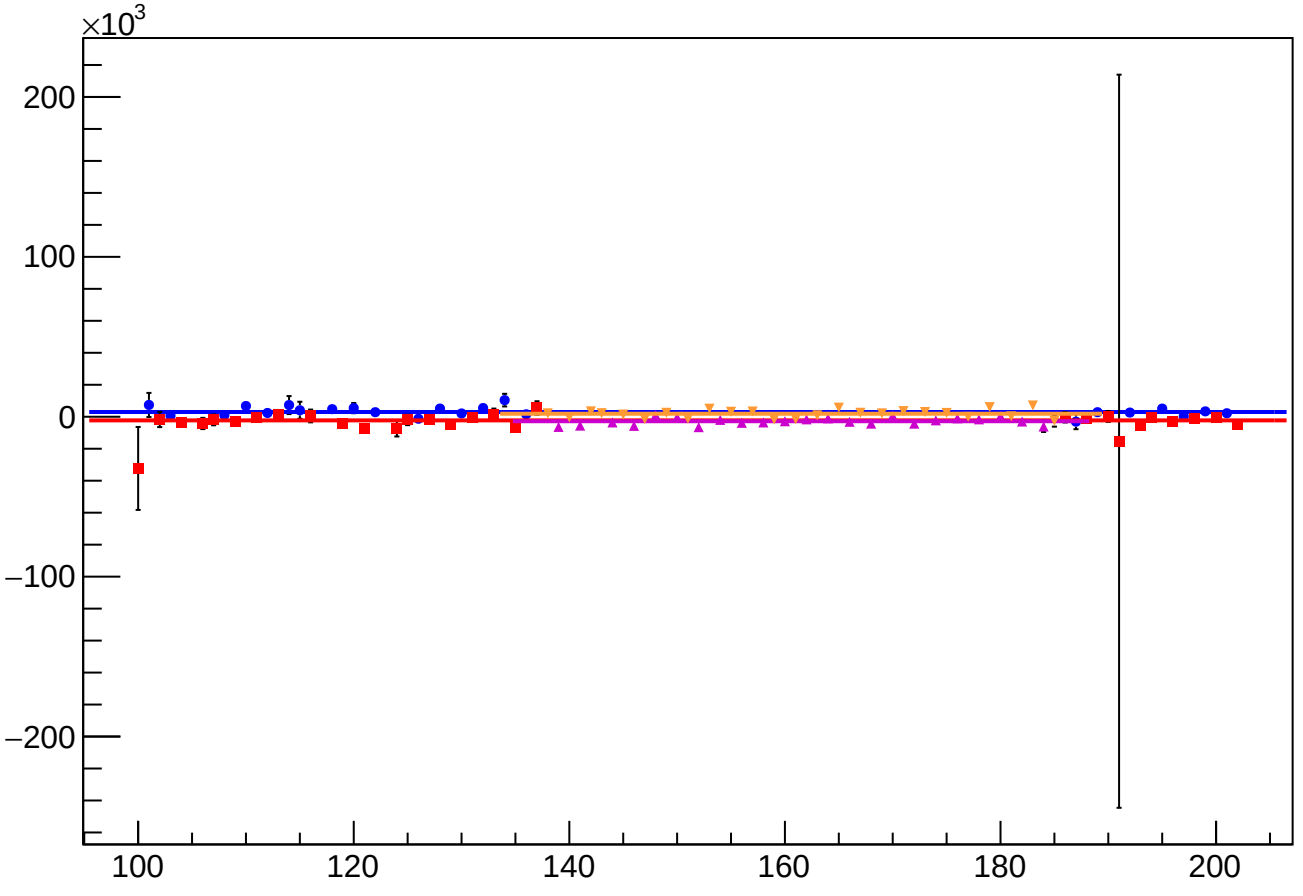
Right Out: 4277.643+/-0.891 χ^2/NDF: 5070148.0/28

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4701.299+/-0.613 χ^2/NDF: 3993918.7/47

All: 4593.700+/-0.425 χ^2/NDF: 10515302.4/9

- sign 4494.269+/-0.590 χ^2/NDF: 6462174.1/51



Right In: 2972.782+/-575.248 χ^2/NDF: 16.5/22

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2273.671+/-533.573 χ^2/NDF: 23.3/28

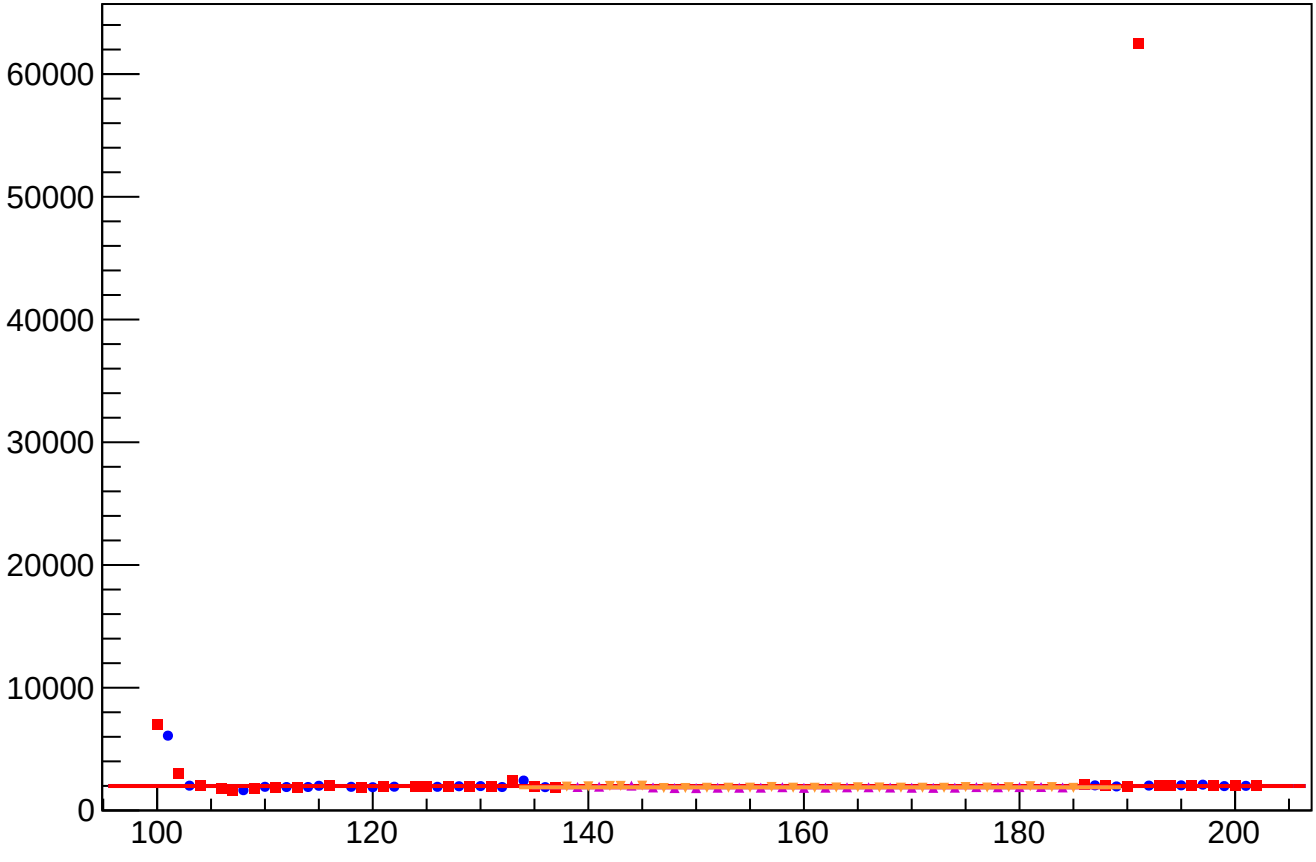
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2271.128+/-343.888 χ^2/NDF: 51.8/47

All: -191.619+/-241.460 χ^2/NDF: 202.2/99

- sign -2586.468+/-339.114 χ^2/NDF: 49.3/51

dit_asym_atr_avg_rms vs Slug



Right In: 1994.007+/-0.407 χ^2/NDF: 673265.9/22

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1989.649+/-0.377 χ^2/NDF: 417391.8/28

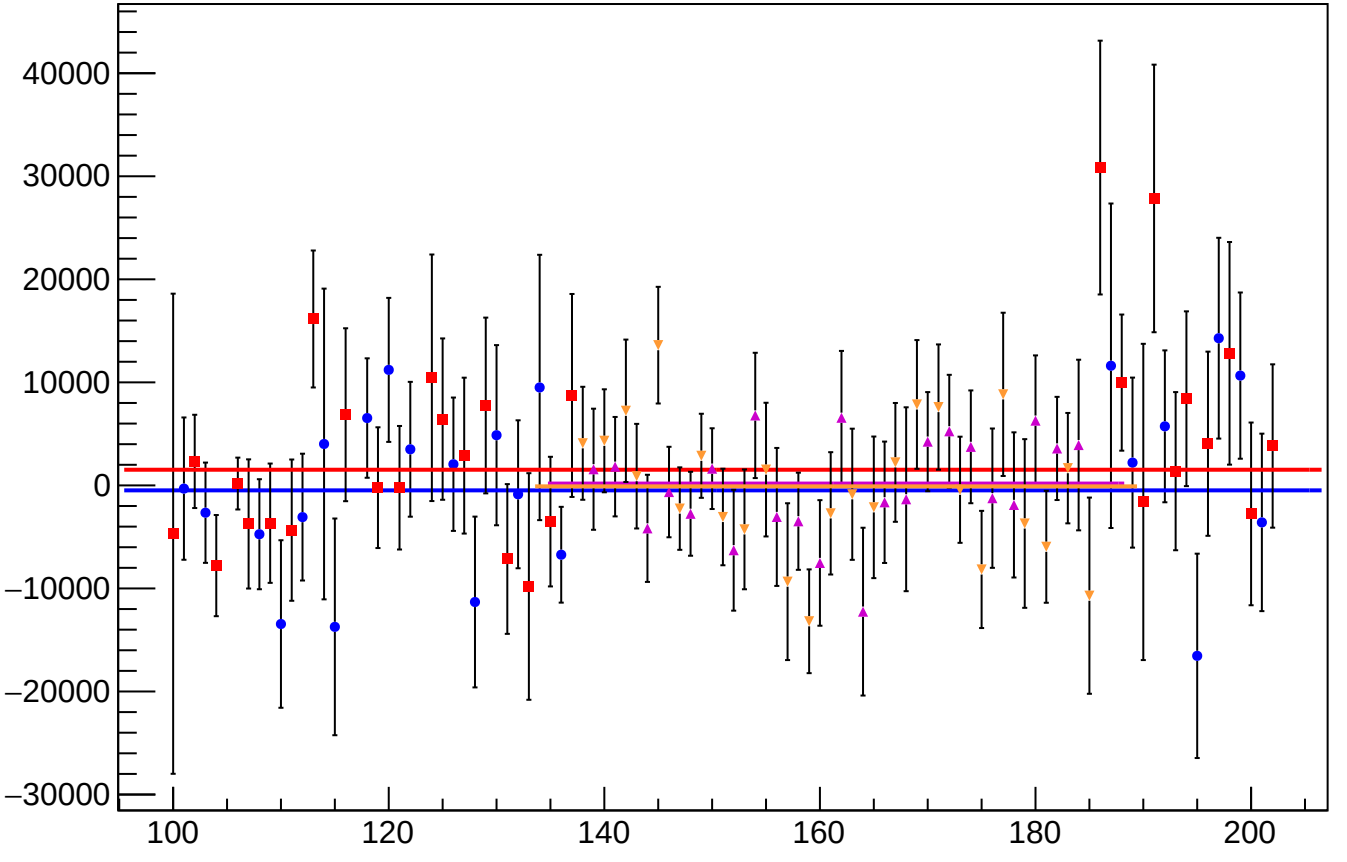
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1925.592+/-0.243 χ^2/NDF: 749243.5/47

All: 1925.118+/-0.171 χ^2/NDF: 1235525.2/99

- sign 1924.657+/-0.240 χ^2/NDF: 486274.2/51

asym_atr_avg_dit_correction_mean vs Slug



Right In: -481.447+/-1513.030 χ^2/NDF: 22.9/22

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1520.180+/-1232.715 χ^2/NDF: 30.4/28

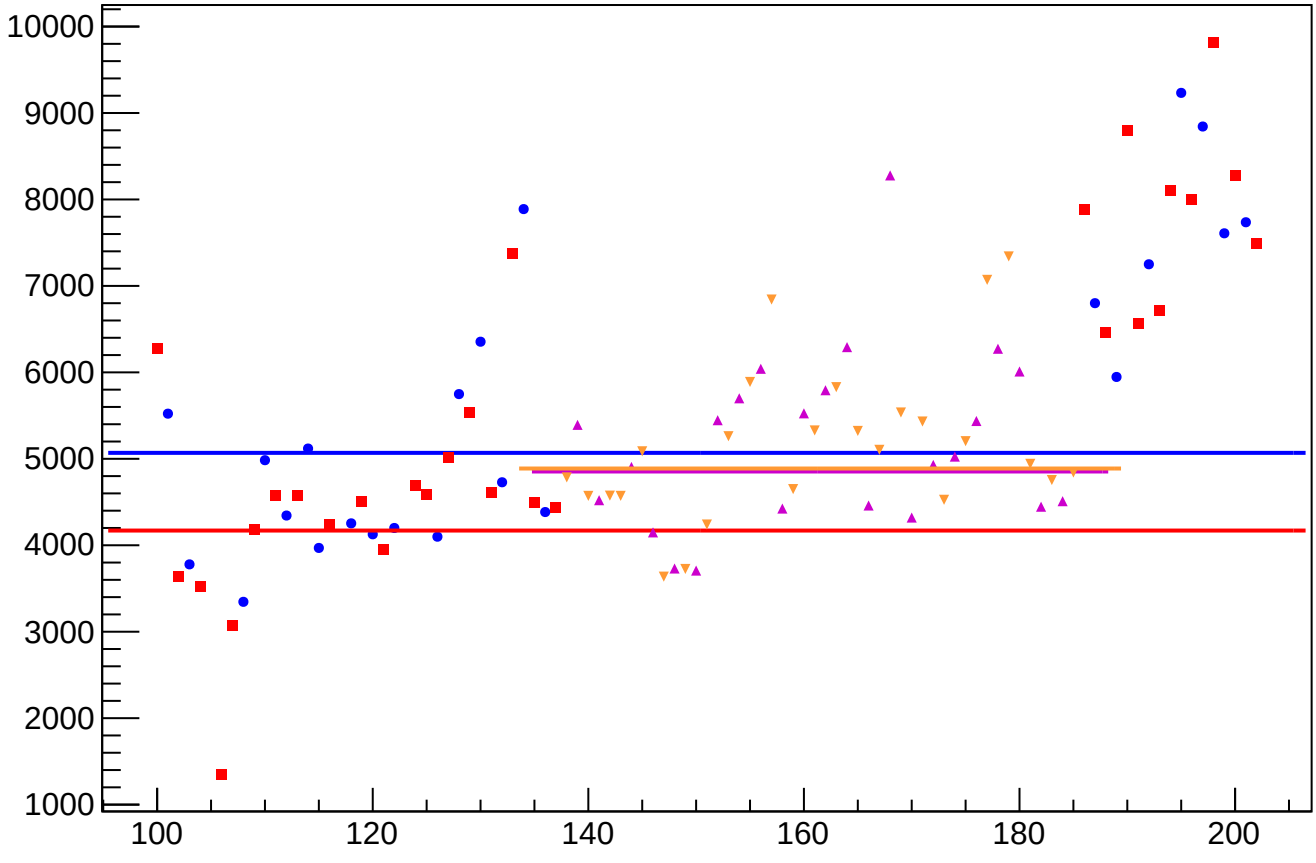
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -231.887+/-907.029 χ^2/NDF: 51.0/47

All: 324.611+/-617.588 χ^2/NDF: 96.3/99

- sign 805.605+/-843.256 χ^2/NDF: 44.6/51

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5068.908+/-1.070 χ^2/NDF: 2029019.4/22

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4170.219+/-0.872 χ^2/NDF: 5970867.4/28

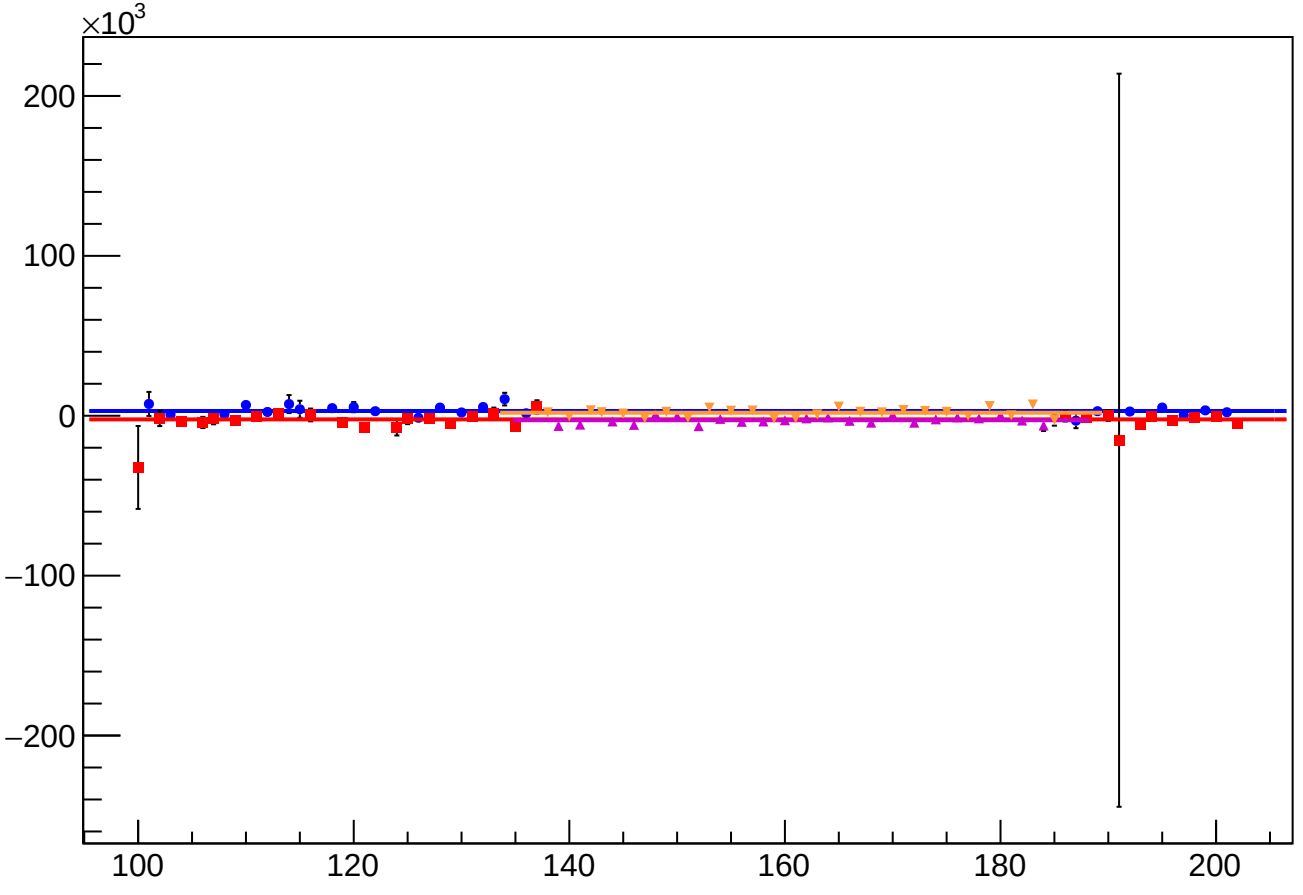
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4952.900+/-0.641 χ^2/NDF: 3110670.9/47

All: 4728.041+/-0.437 χ^2/NDF: 10816134.4/9

- sign 4533.690+/-0.596 χ^2/NDF: 7476308.3/51

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2972.784+/-575.248 χ^2/NDF: 16.5/22

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2273.672+/-533.573 χ^2/NDF: 23.3/28

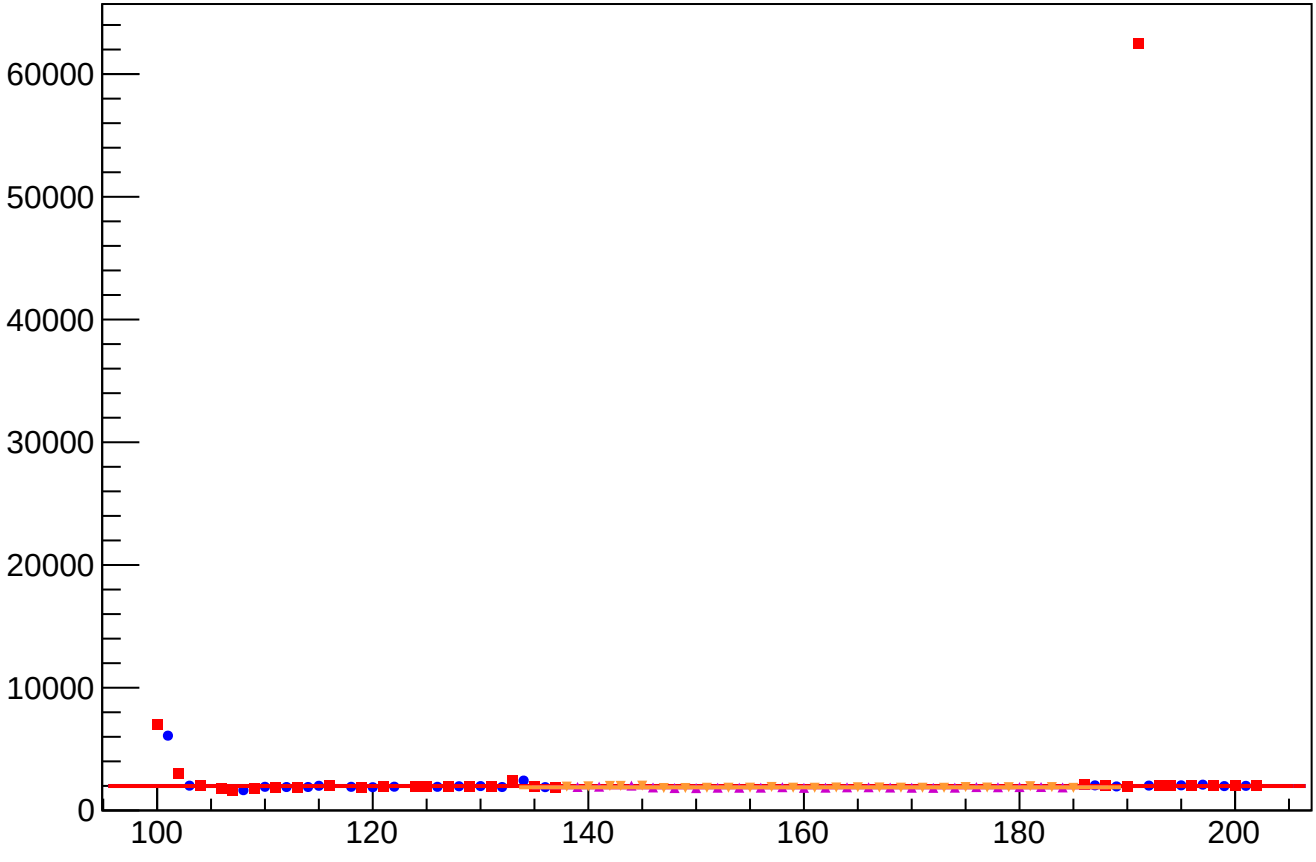
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2271.125+/-343.888 χ^2/NDF: 51.8/47

All: -191.620+/-241.460 χ^2/NDF: 202.2/99

- sign -2586.468+/-339.114 χ^2/NDF: 49.3/51

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1994.007+/-0.407 χ^2/NDF: 673265.9/22

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1989.648+/-0.377 χ^2/NDF: 417391.3/28

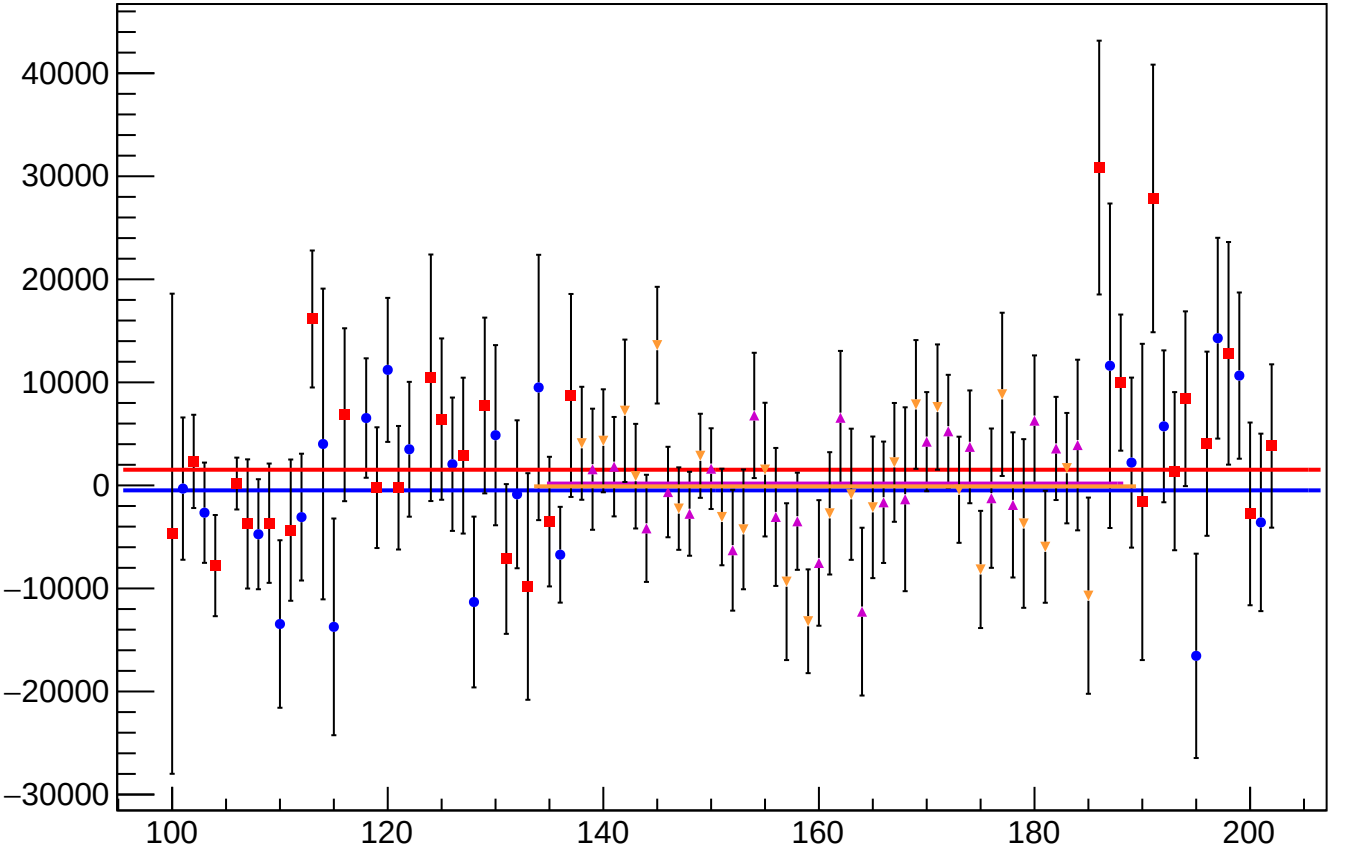
Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1925.592+/-0.243 χ^2/NDF: 749242.8/47

All: 1925.118+/-0.171 χ^2/NDF: 1235523.3/99

- sign 1924.657+/-0.240 χ^2/NDF: 486273.0/51

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -481.435+/-1513.028 χ^2/NDF: 22.9/22

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1520.176+/-1232.713 χ^2/NDF: 30.4/28

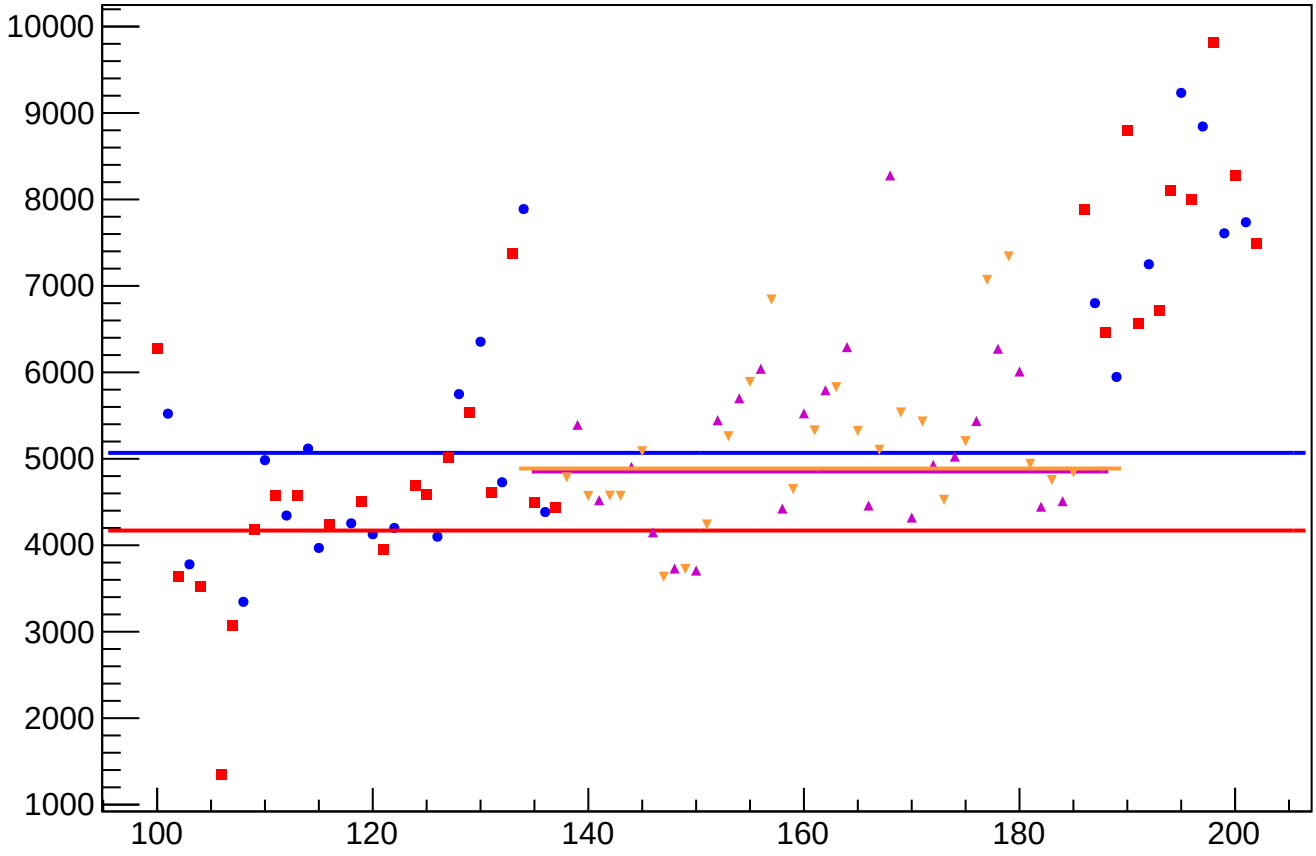
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -231.885+/-907.030 χ^2/NDF: 51.0/47

All: 324.613+/-617.588 χ^2/NDF: 96.3/99

- sign 805.607+/-843.256 χ^2/NDF: 44.6/51

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5068.902+/-1.070 χ^2/NDF: 2029031.6/22

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4170.209+/-0.872 χ^2/NDF: 5970894.9/28

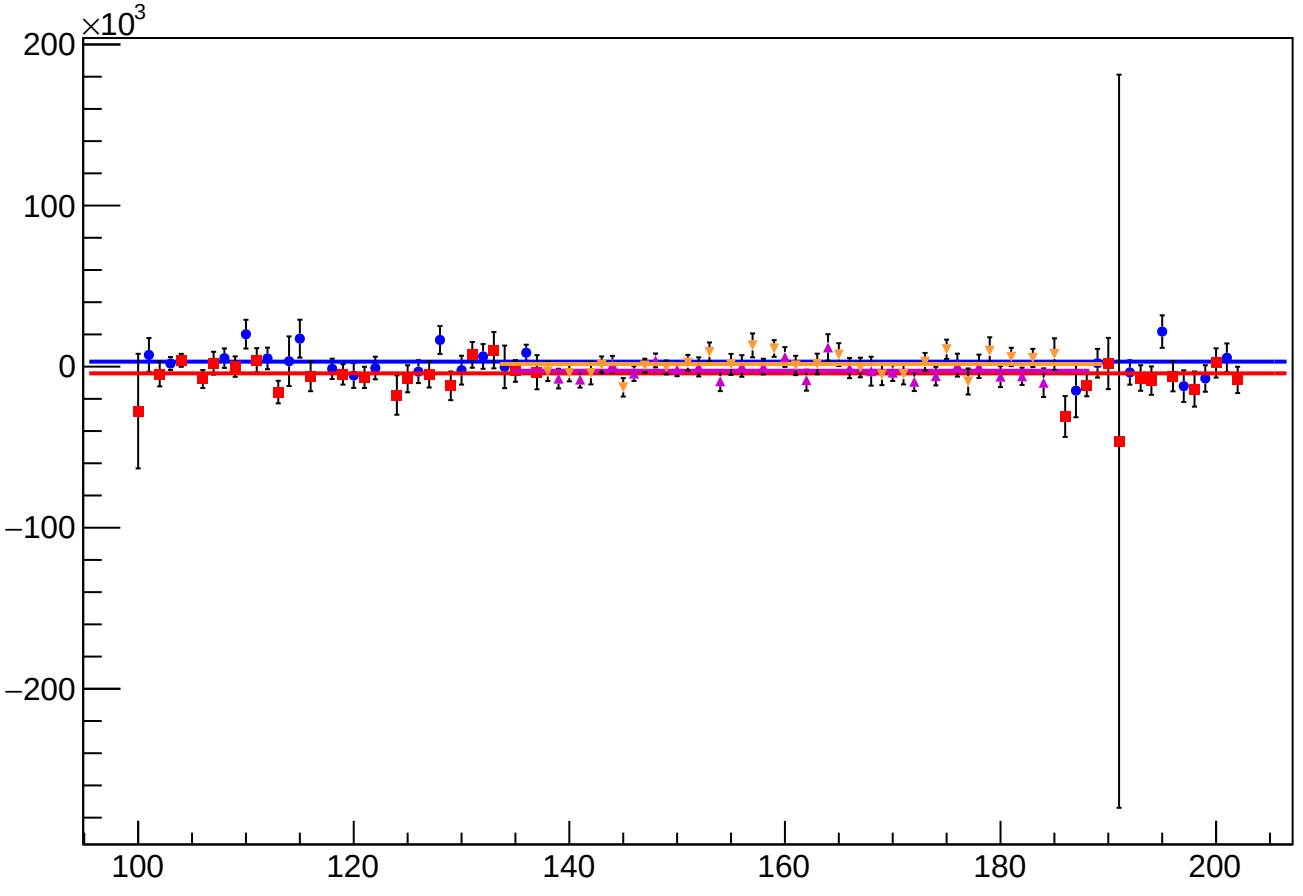
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4952.903+/-0.641 χ^2/NDF: 3110681.7/47

All: 4728.042+/-0.437 χ^2/NDF: 10816195.7/9

- sign 4533.689+/-0.596 χ^2/NDF: 7476354.3/51

asym_atr_avg_mean vs Slug



Right In: 3103.147+/-1588.464 χ^2/NDF: 22.1/22

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4164.592+/-1466.826 χ^2/NDF: 23.9/28

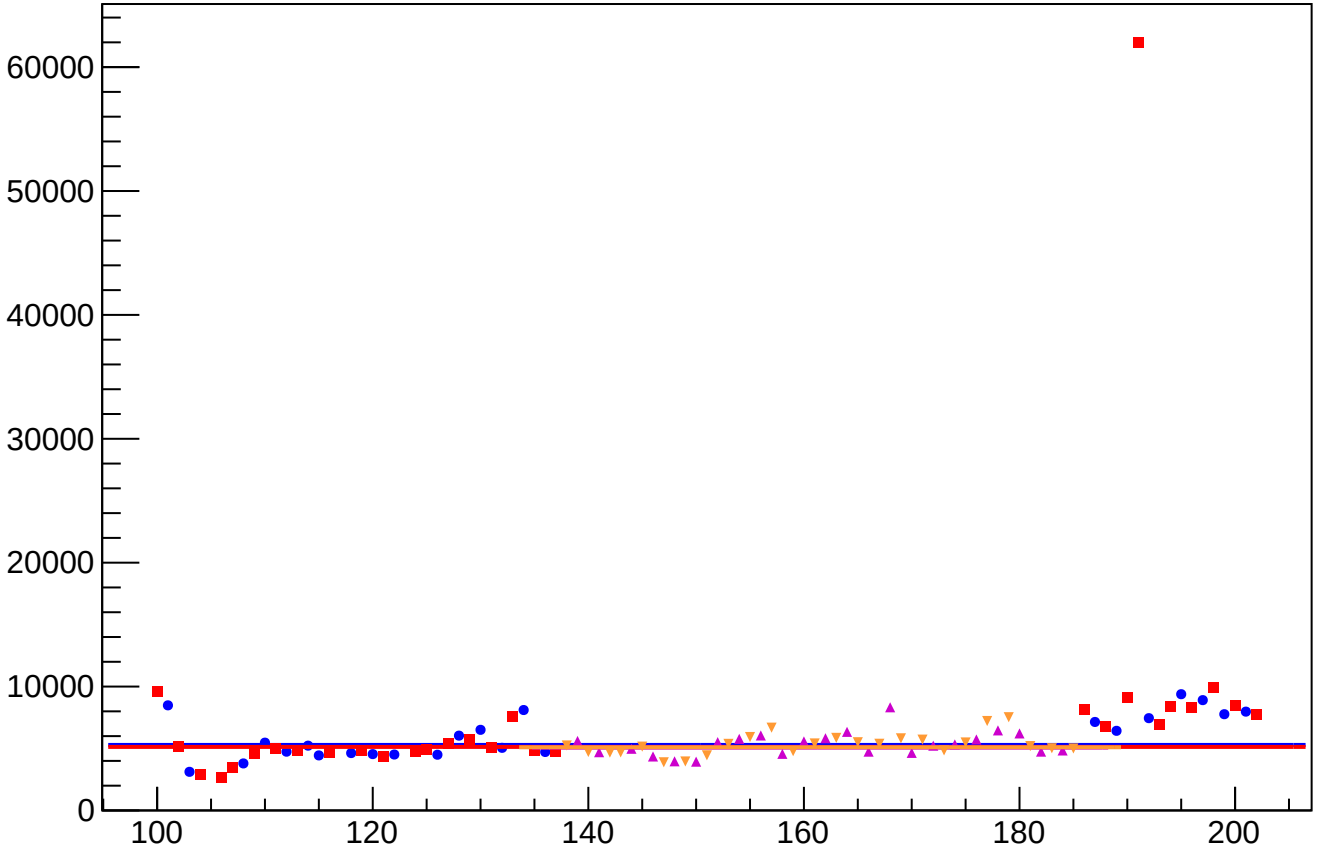
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2168.957+/-946.541 χ^2/NDF: 48.6/47

All: -564.641+/-663.688 χ^2/NDF: 105.6/99

- sign -3208.349+/-930.848 χ^2/NDF: 40.5/51

asym_atr_avg_rms vs Slug



Right In: 5288.737+/-1.123 χ^2/NDF: 2361085.7/22

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5129.433+/-1.030 χ^2/NDF: 3364191.6/28

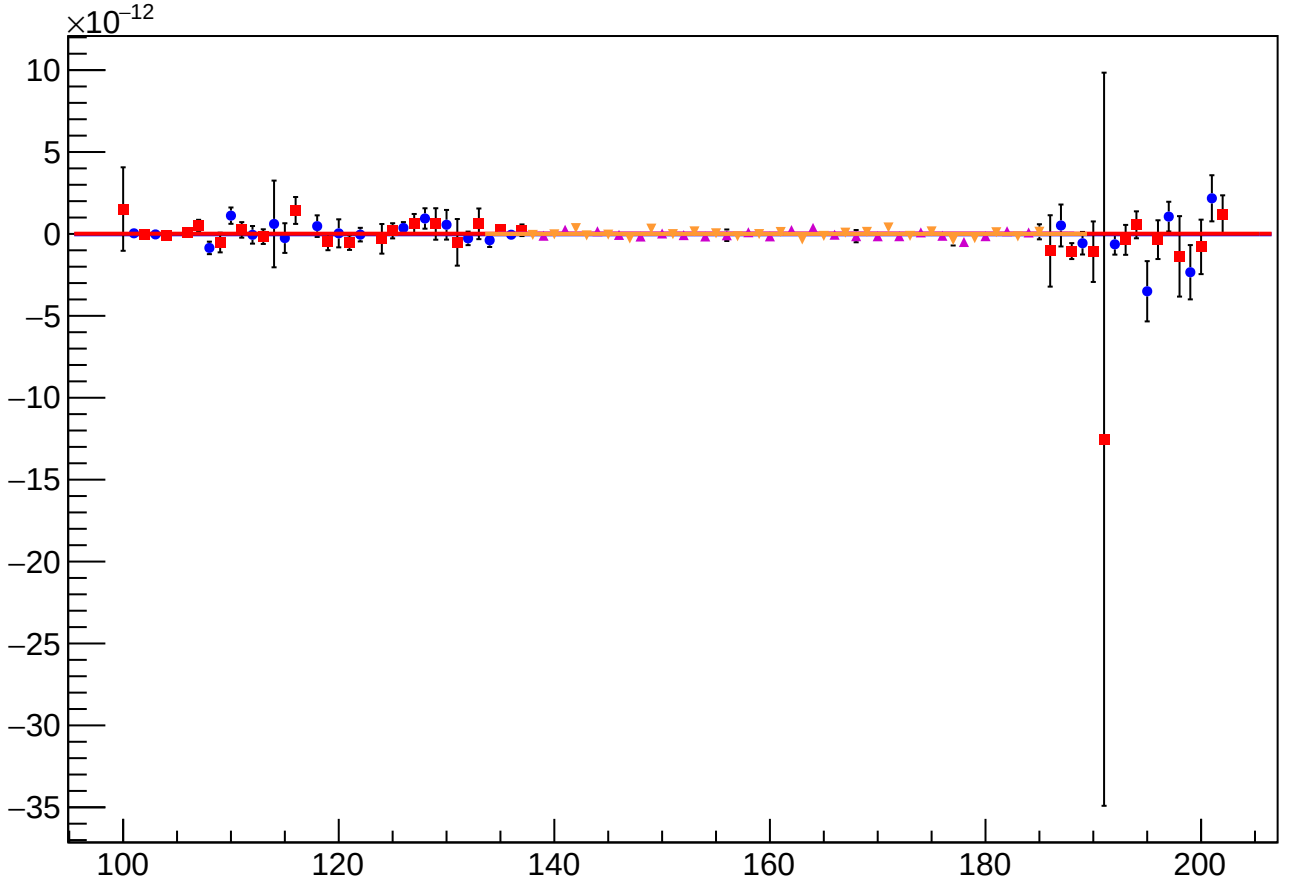
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5167.430+/-0.669 χ^2/NDF: 3288502.2/47

All: 5131.139+/-0.469 χ^2/NDF: 7652125.4/99

- sign 5096.231+/-0.656 χ^2/NDF: 4357855.3/51

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/28

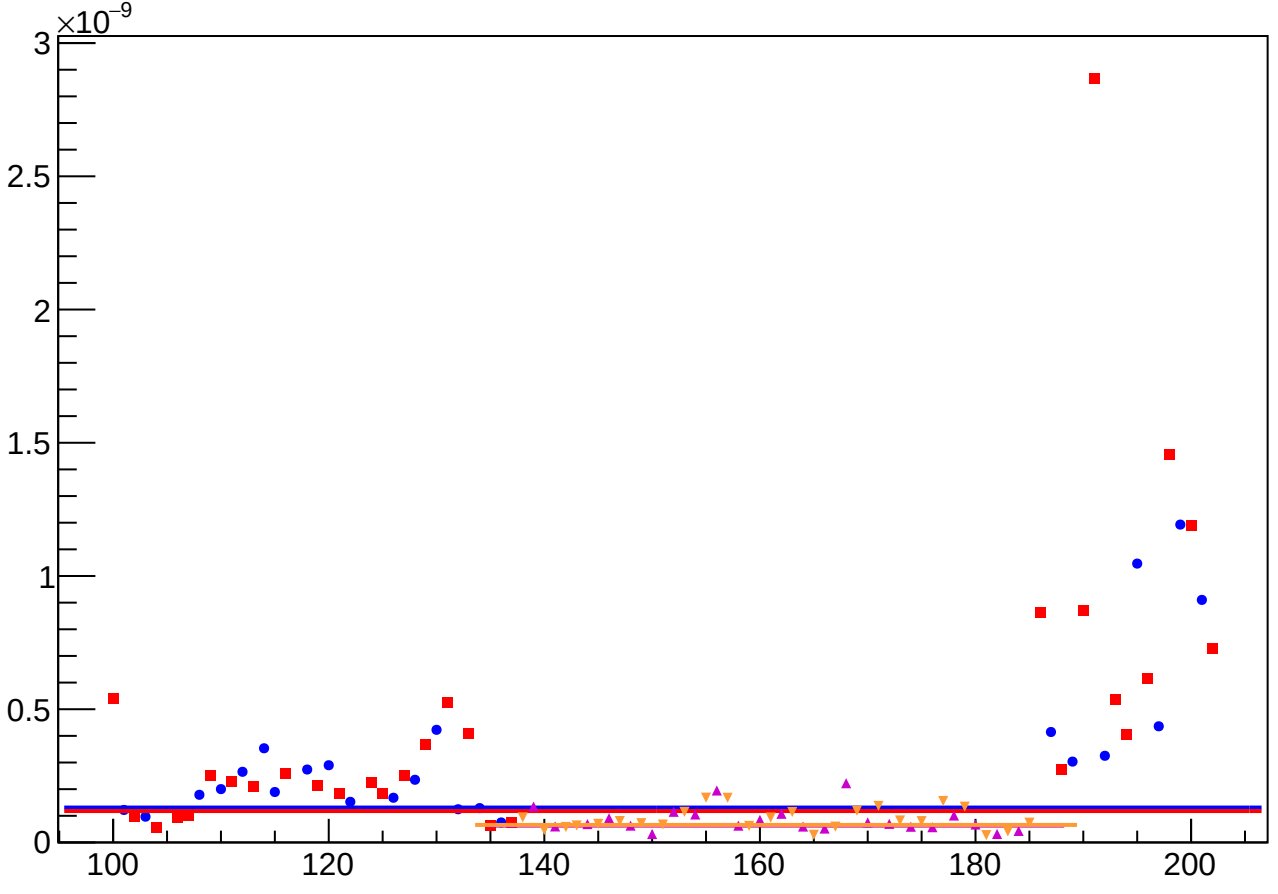
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/47

All: 0.000+/-0.000 χ^2/NDF: 116.2/99

- sign 0.000+/-0.000 χ^2/NDF: 55.5/51

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3737434.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5766011.5/28

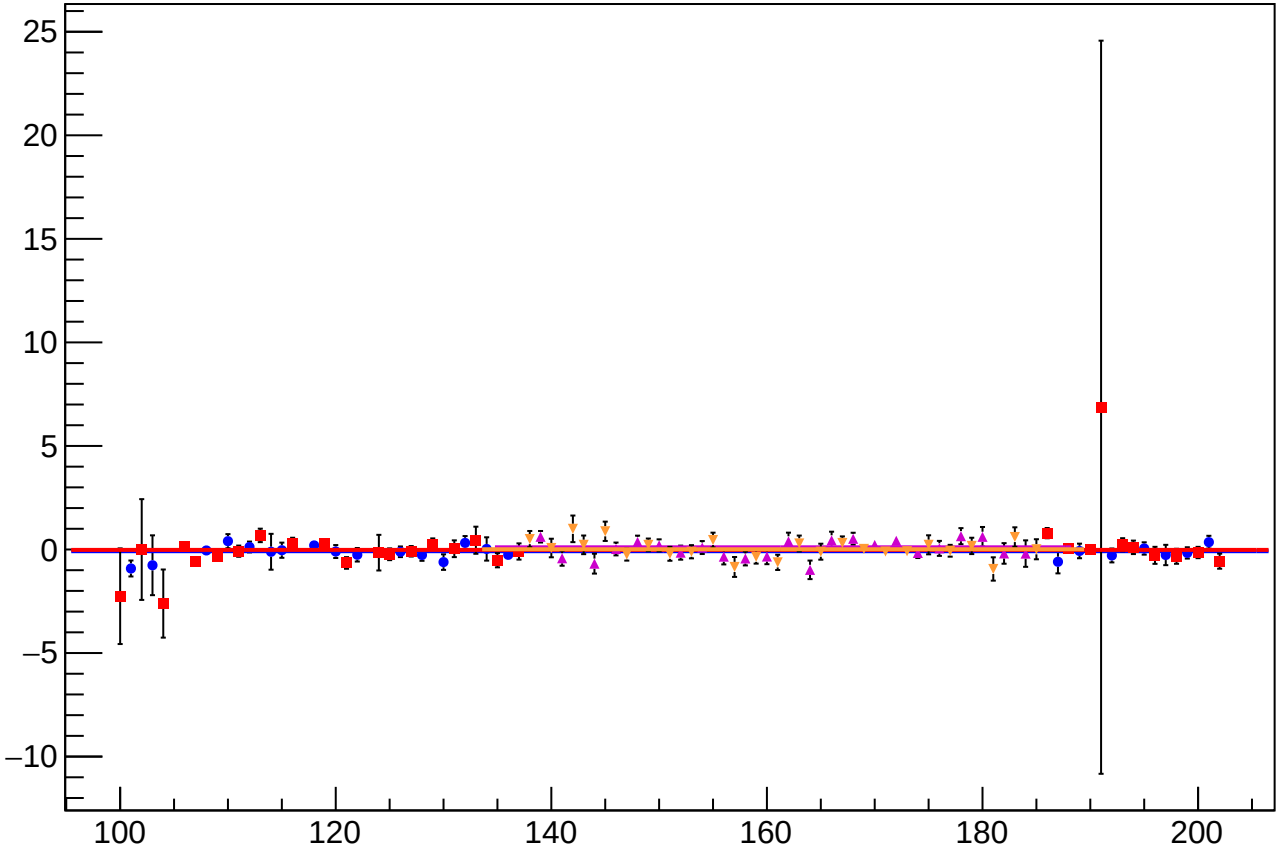
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7580338.4/47

All: 0.000+/-0.000 χ^2/NDF: 16592366.6/99

- sign 0.000+/-0.000 χ^2/NDF: 8994881.6/51

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.083+/-0.066 χ^2/NDF: 17.5/22

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.020+/-0.054 χ^2/NDF: 44.6/28

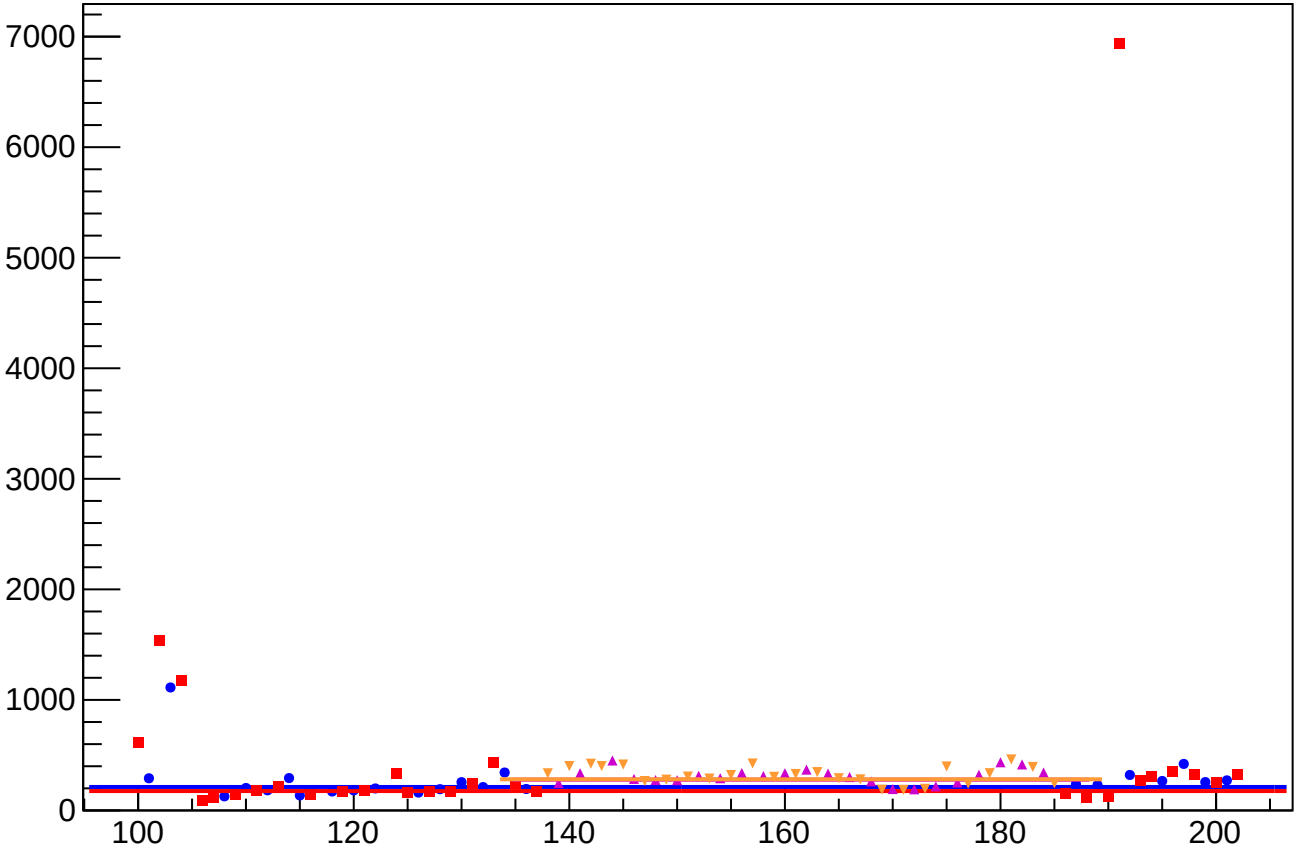
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.047 χ^2/NDF: 43.7/47

All: -0.001+/-0.032 χ^2/NDF: 122.8/99

- sign 0.028+/-0.042 χ^2/NDF: 78.1/51

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 212.501+/-0.047 χ^2/NDF: 2415804.9/22

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 175.452+/-0.038 χ^2/NDF: 5177900.5/28

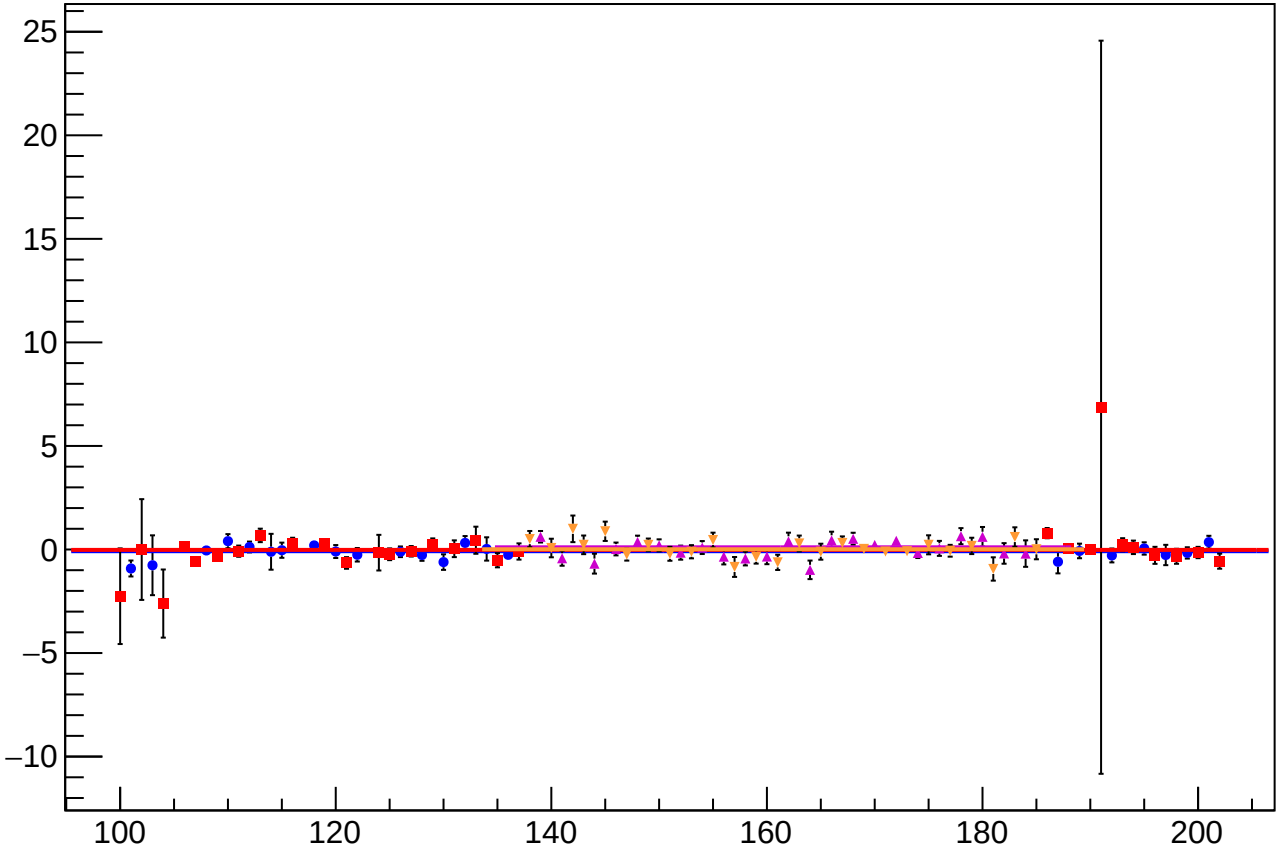
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 246.131+/-0.034 χ^2/NDF: 6005090.4/47

All: 228.471+/-0.022 χ^2/NDF: 16279262.1/99

- sign 214.457+/-0.030 χ^2/NDF: 9776157.4/51

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.083+/-0.066 χ^2/NDF: 17.5/22

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.020+/-0.054 χ^2/NDF: 44.6/28

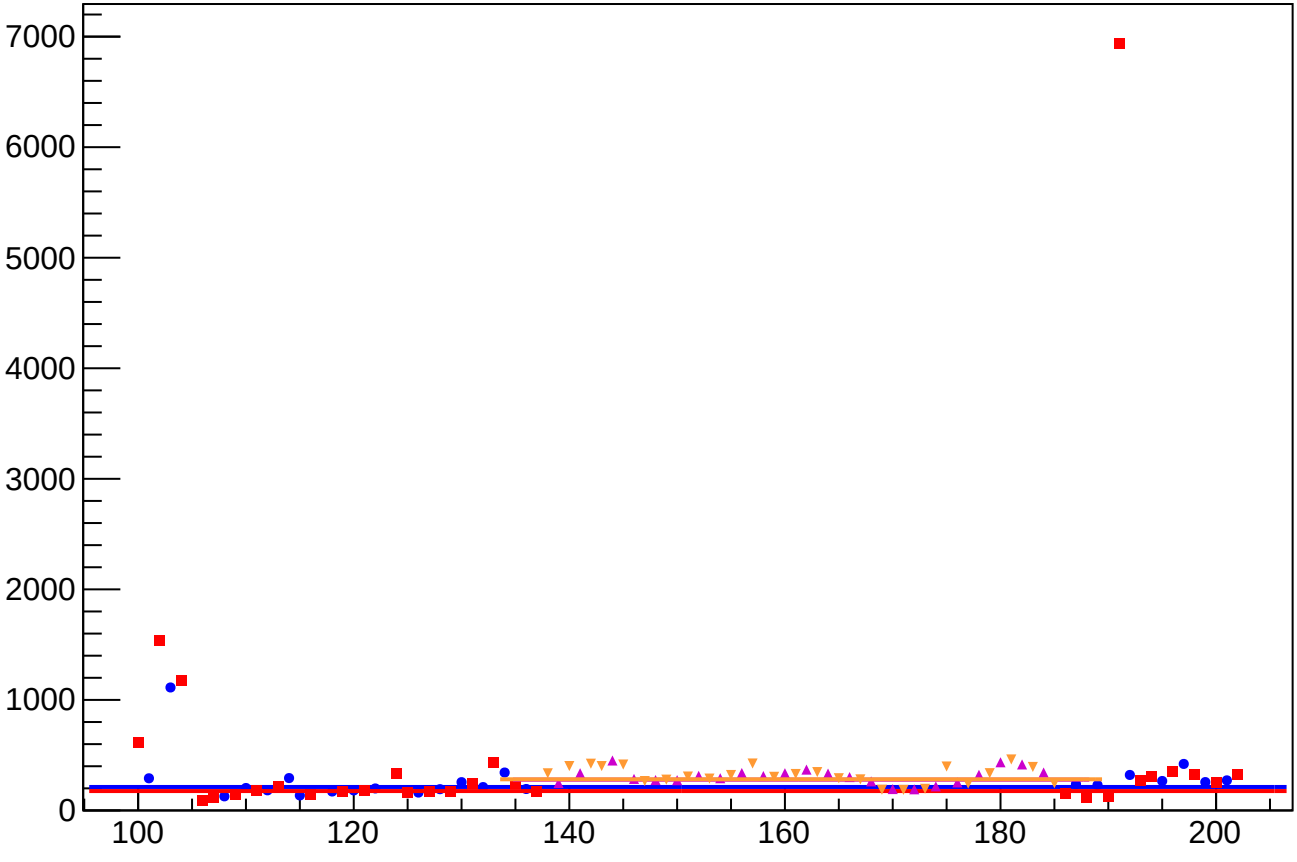
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.047 χ^2/NDF: 43.7/47

All: -0.001+/-0.032 χ^2/NDF: 122.8/99

- sign 0.028+/-0.042 χ^2/NDF: 78.1/51

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 212.501+/-0.047 χ^2/NDF: 2415804.9/22

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

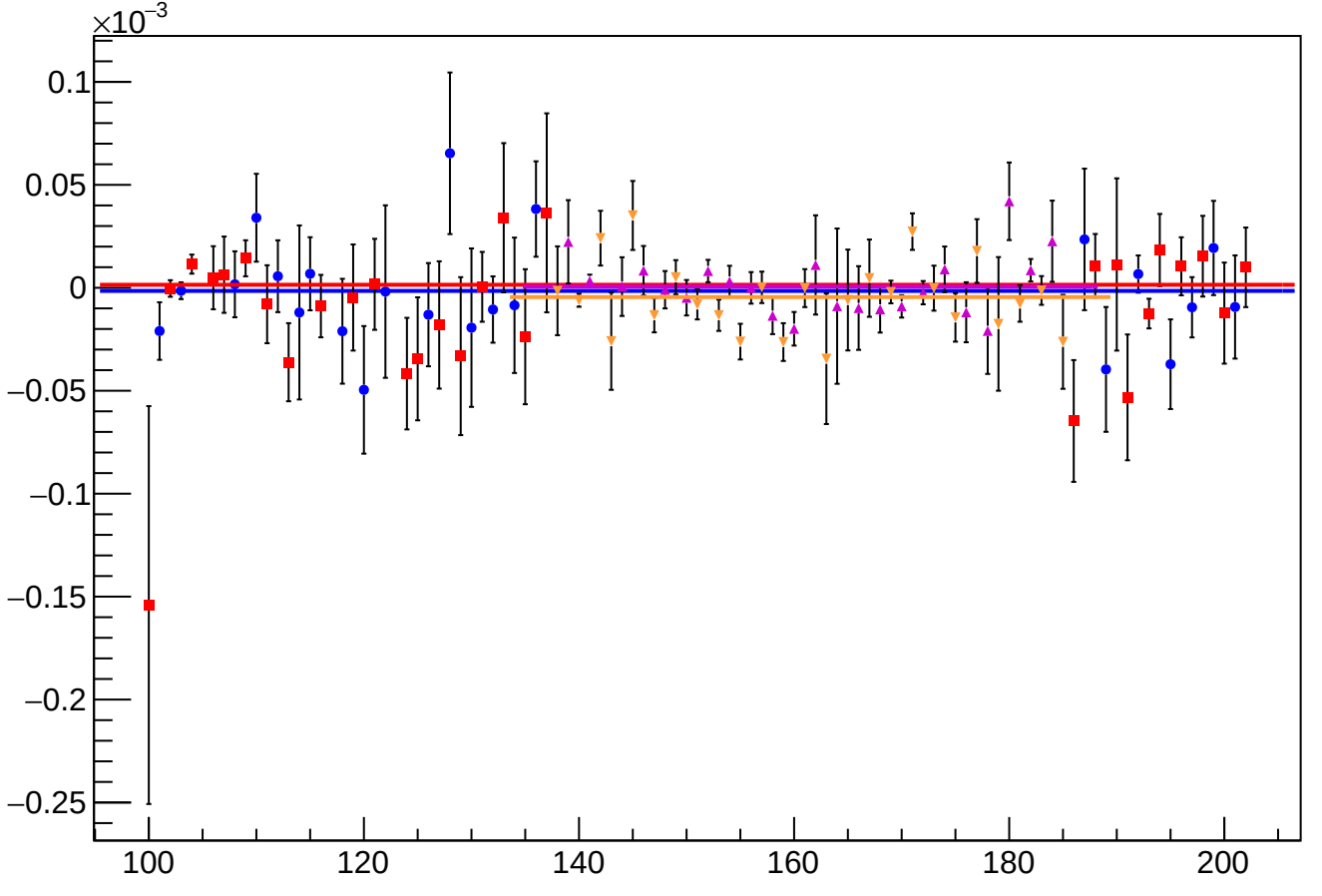
Right Out: 175.452+/-0.038 χ^2/NDF: 5177900.5/28

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 246.131+/-0.034 χ^2/NDF: 6005090.4/47

All: 228.471+/-0.022 χ^2/NDF: 16279262.1/99

- sign 214.457+/-0.030 χ^2/NDF: 9776157.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 21.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.4/28

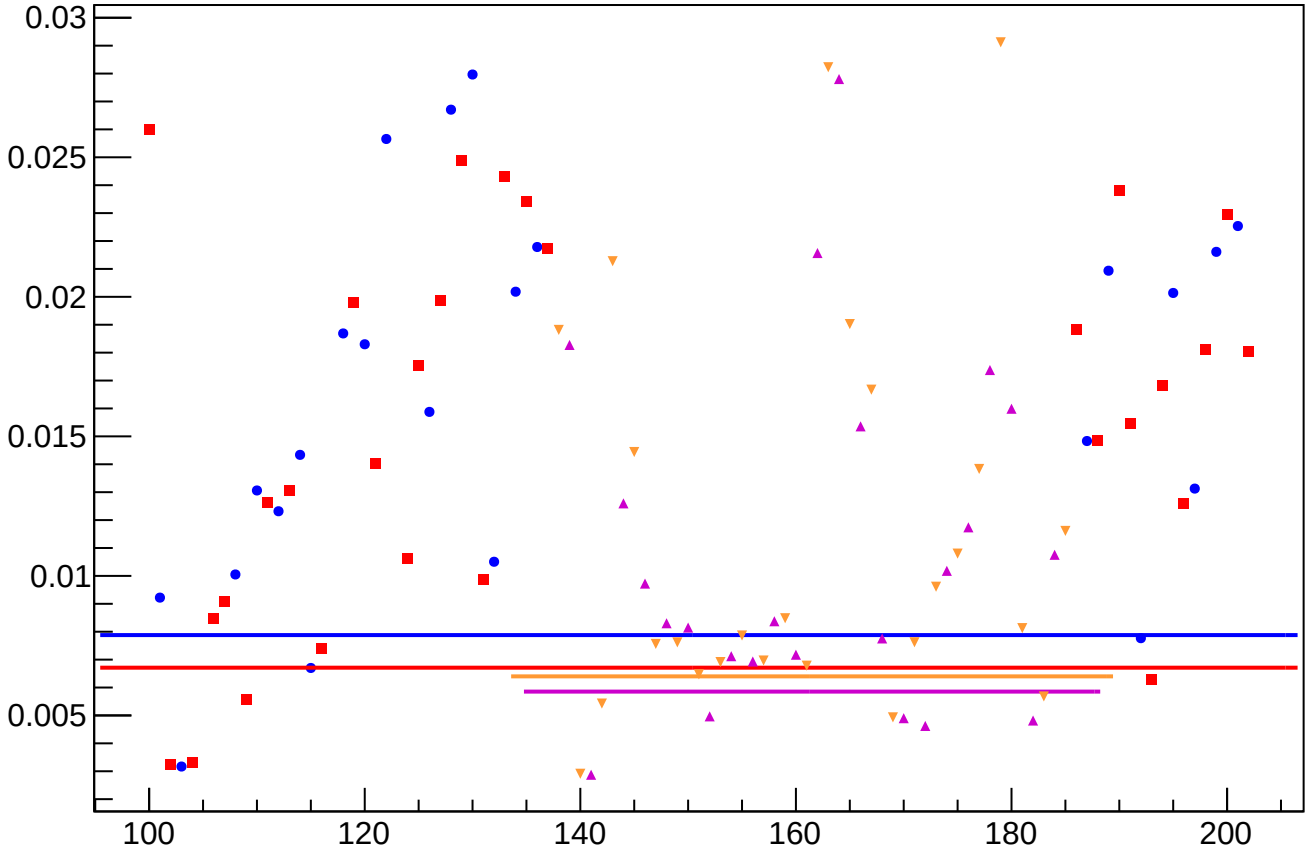
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.8/47

All: -0.000+/-0.000 χ^2/NDF: 139.7/99

- sign 0.000+/-0.000 χ^2/NDF: 65.5/51

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8984304.8/22

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10906495.9/28

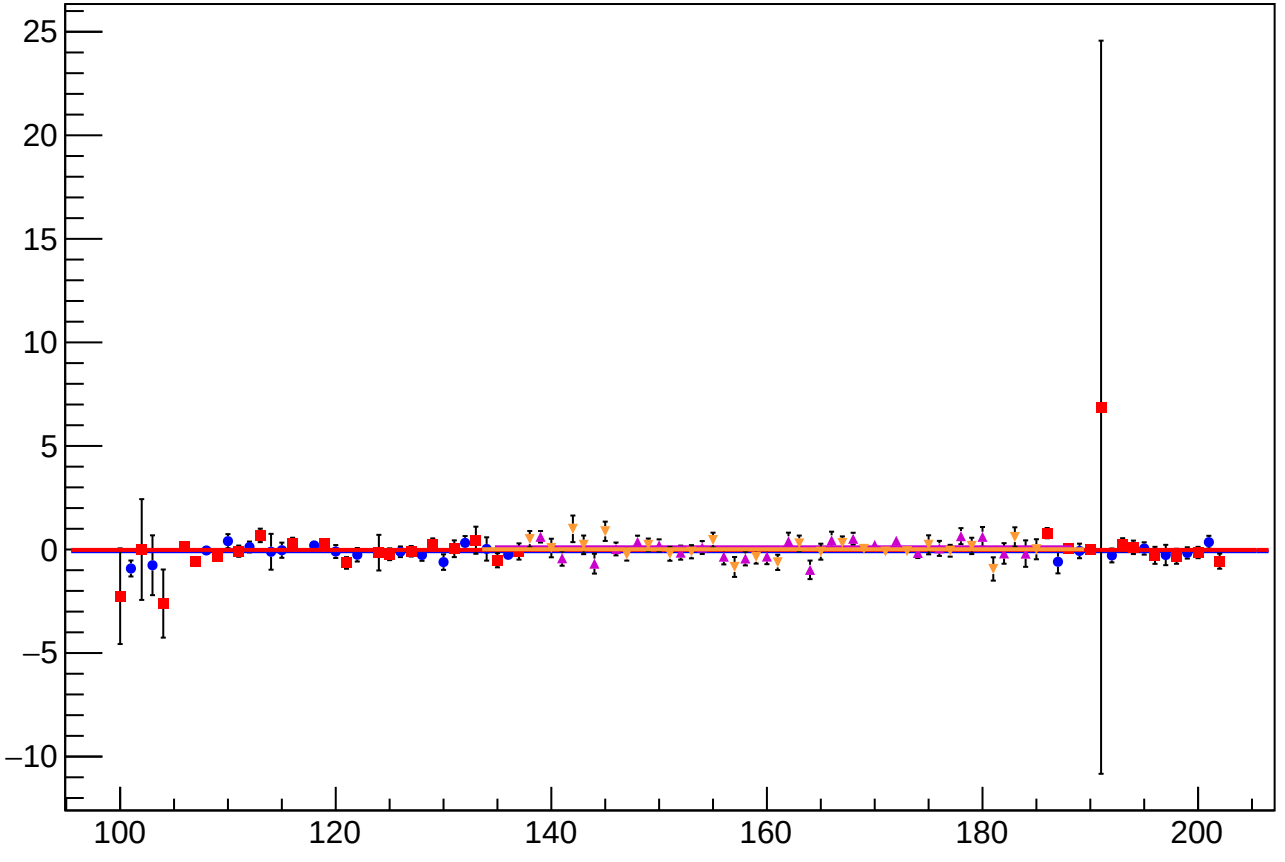
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 18325731.5/47

All: 0.006+/-0.000 χ^2/NDF: 37764258.5/99

- sign 0.006+/-0.000 χ^2/NDF: 19238196.4/51

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.083+/-0.066 χ^2/NDF: 17.5/22

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.020+/-0.054 χ^2/NDF: 44.6/28

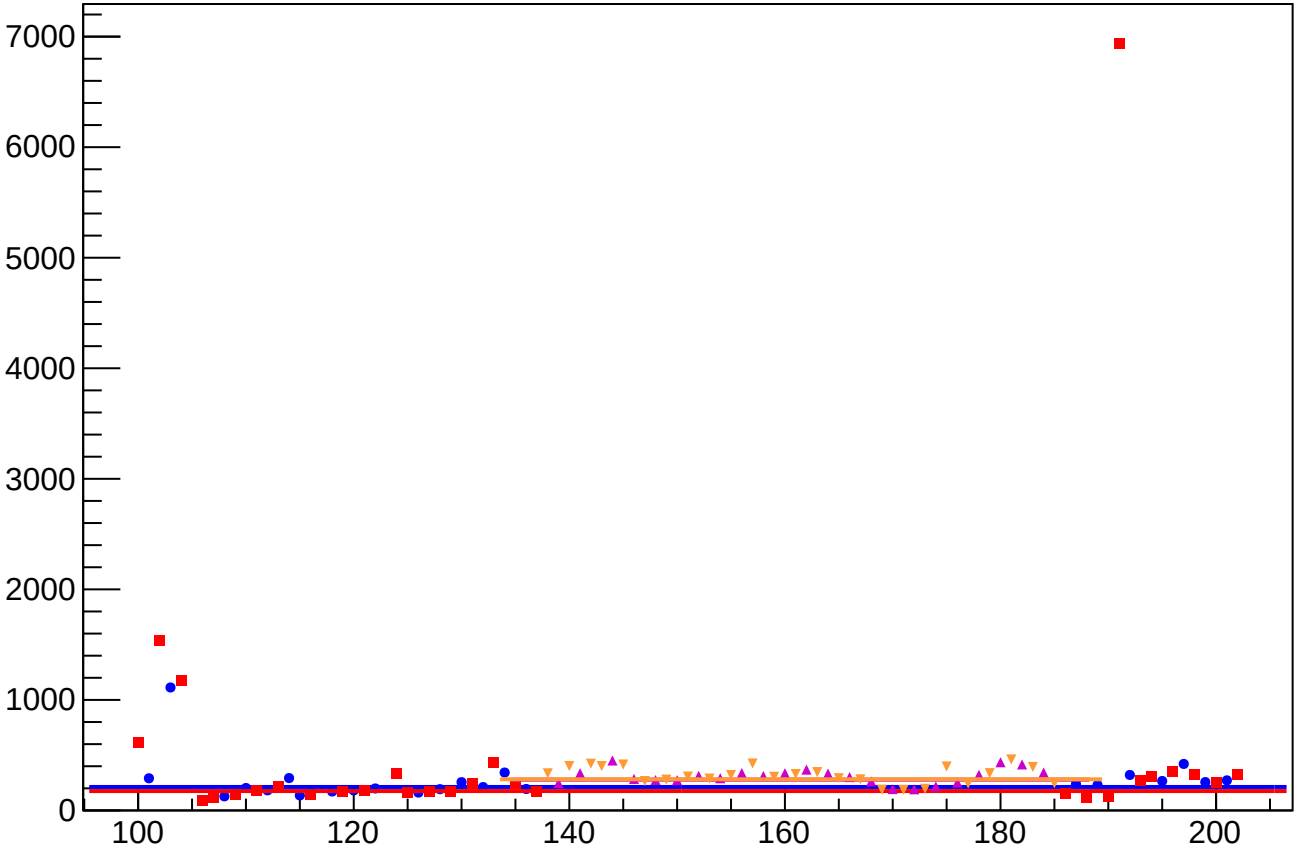
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.047 χ^2/NDF: 43.7/47

All: -0.001+/-0.032 χ^2/NDF: 122.8/99

- sign 0.028+/-0.042 χ^2/NDF: 78.1/51

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 212.501+/-0.047 χ^2/NDF: 2415802.6/22

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

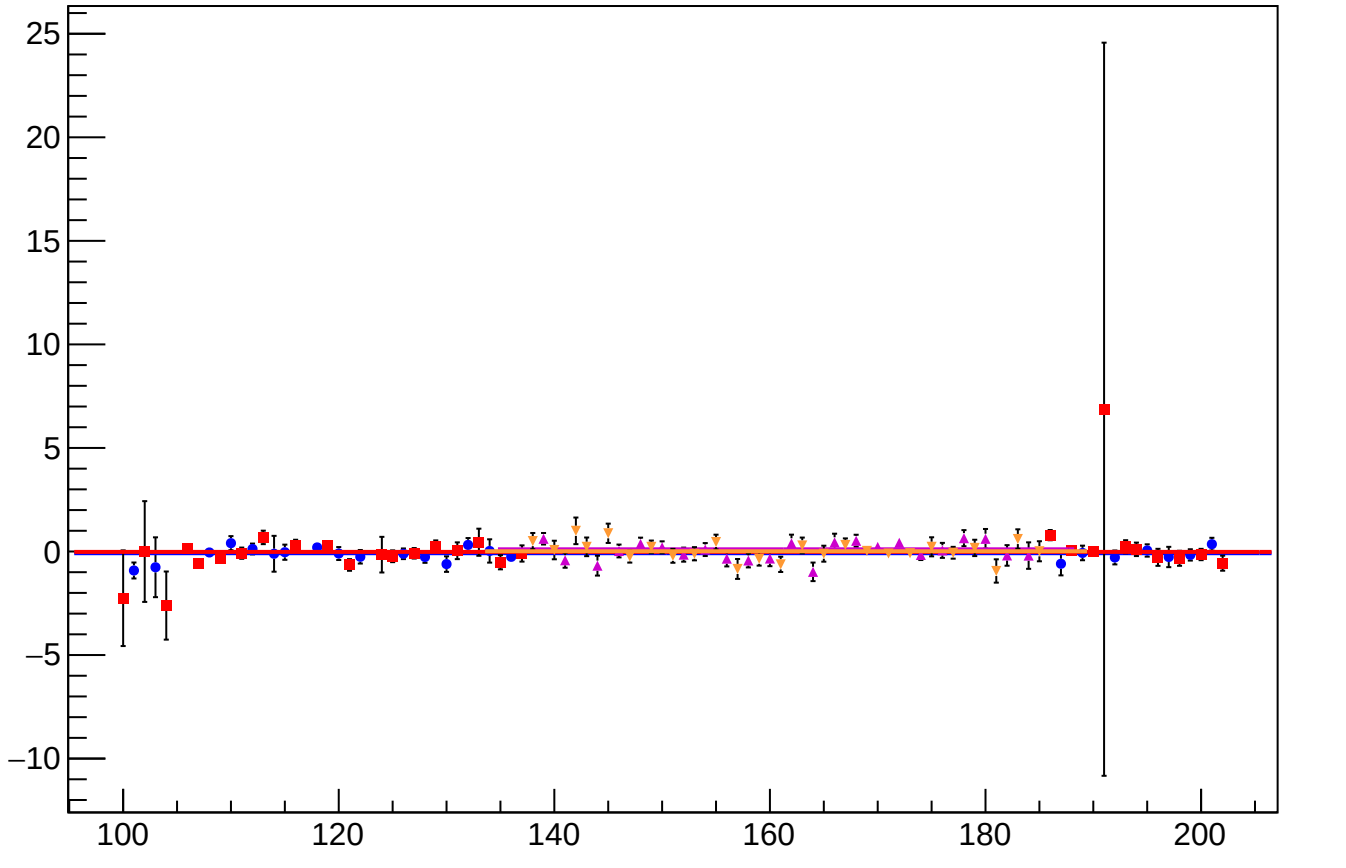
Right Out: 175.449+/-0.038 χ^2/NDF: 5178035.0/28

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 246.132+/-0.034 χ^2/NDF: 6005233.4/47

All: 228.470+/-0.022 χ^2/NDF: 16279979.2/99

- sign 214.454+/-0.030 χ^2/NDF: 9776640.6/51



Right In: -0.083+/-0.066 χ^2/NDF: 17.5/22

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

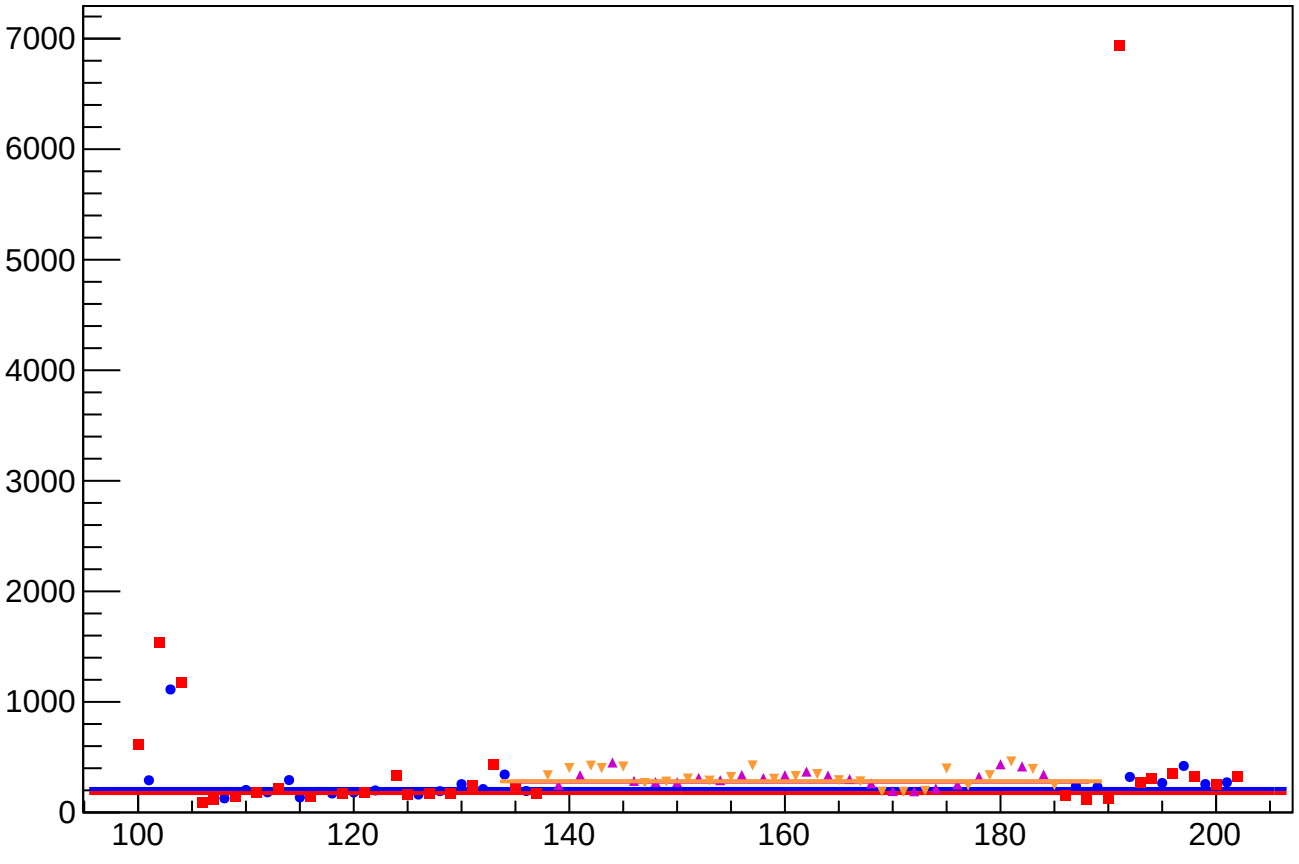
Right Out: -0.020+/-0.054 χ^2/NDF: 44.6/28

Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.047 χ^2/NDF: 43.7/47

All: -0.001+/-0.032 χ^2/NDF: 122.8/99

- sign 0.028+/-0.042 χ^2/NDF: 78.1/51



Right In: 212.501+/-0.047 χ^2/NDF: 2415802.6/22

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 175.449+/-0.038 χ^2/NDF: 5178035.0/28

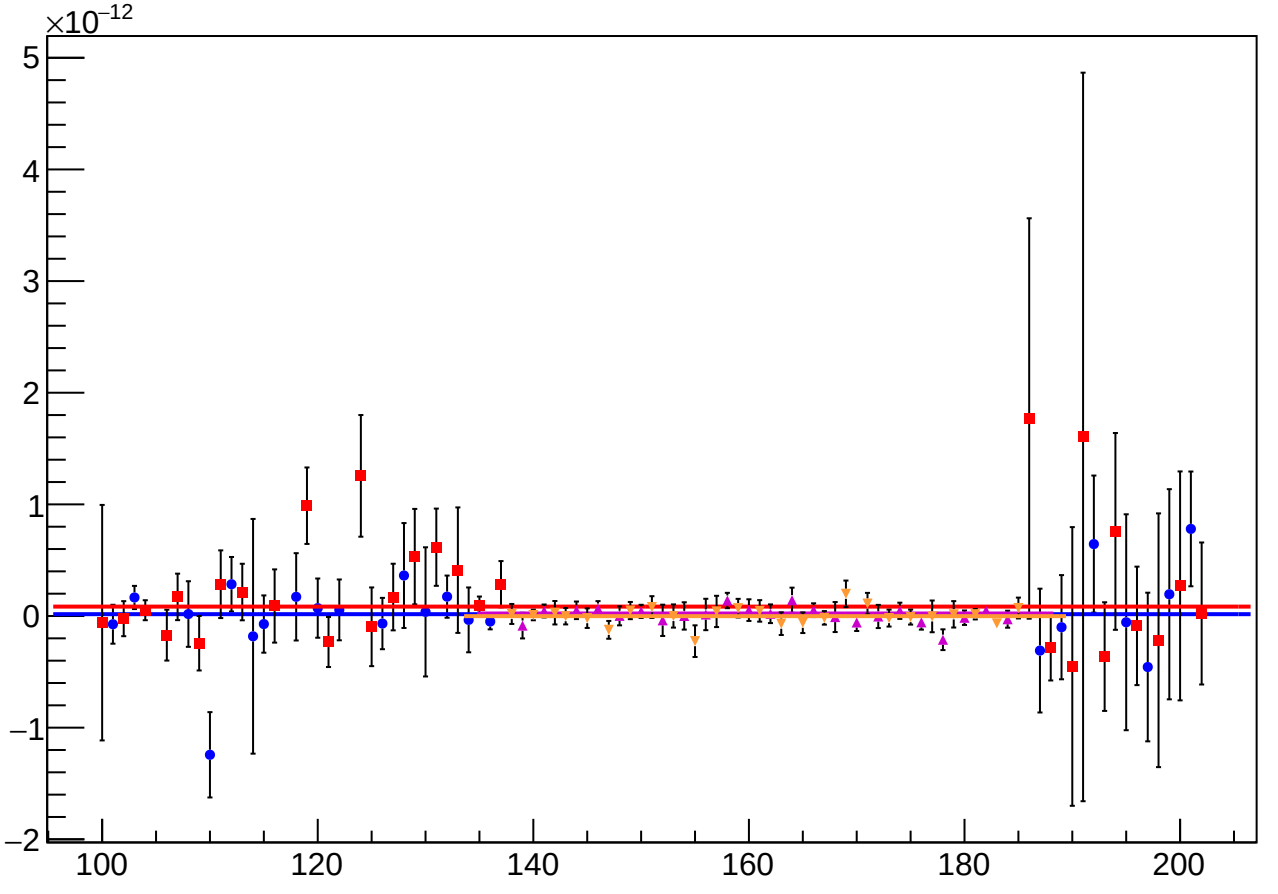
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 246.132+/-0.034 χ^2/NDF: 6005233.4/47

All: 228.470+/-0.022 χ^2/NDF: 16279979.2/99

- sign 214.454+/-0.030 χ^2/NDF: 9776640.6/51

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

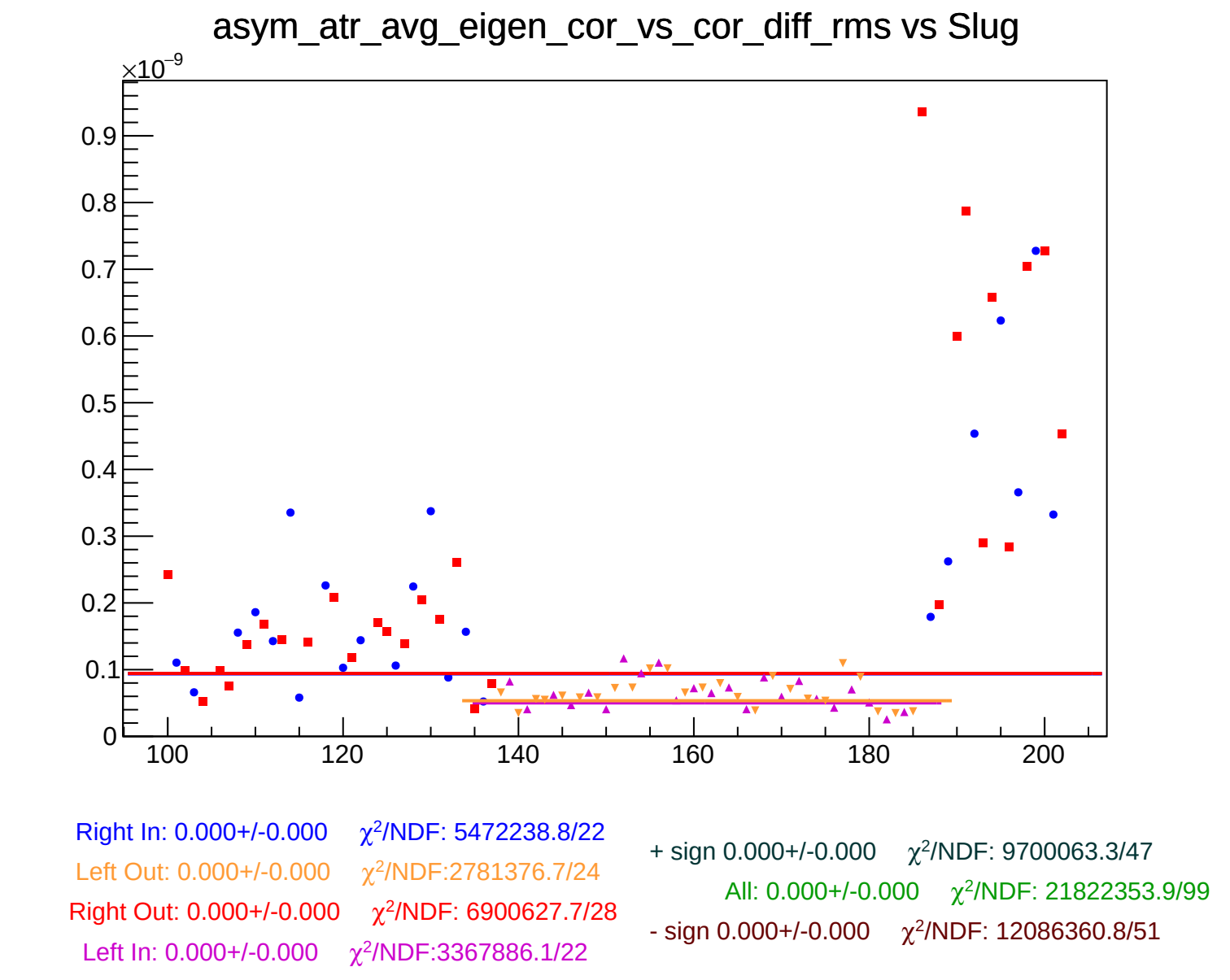
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/28

Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

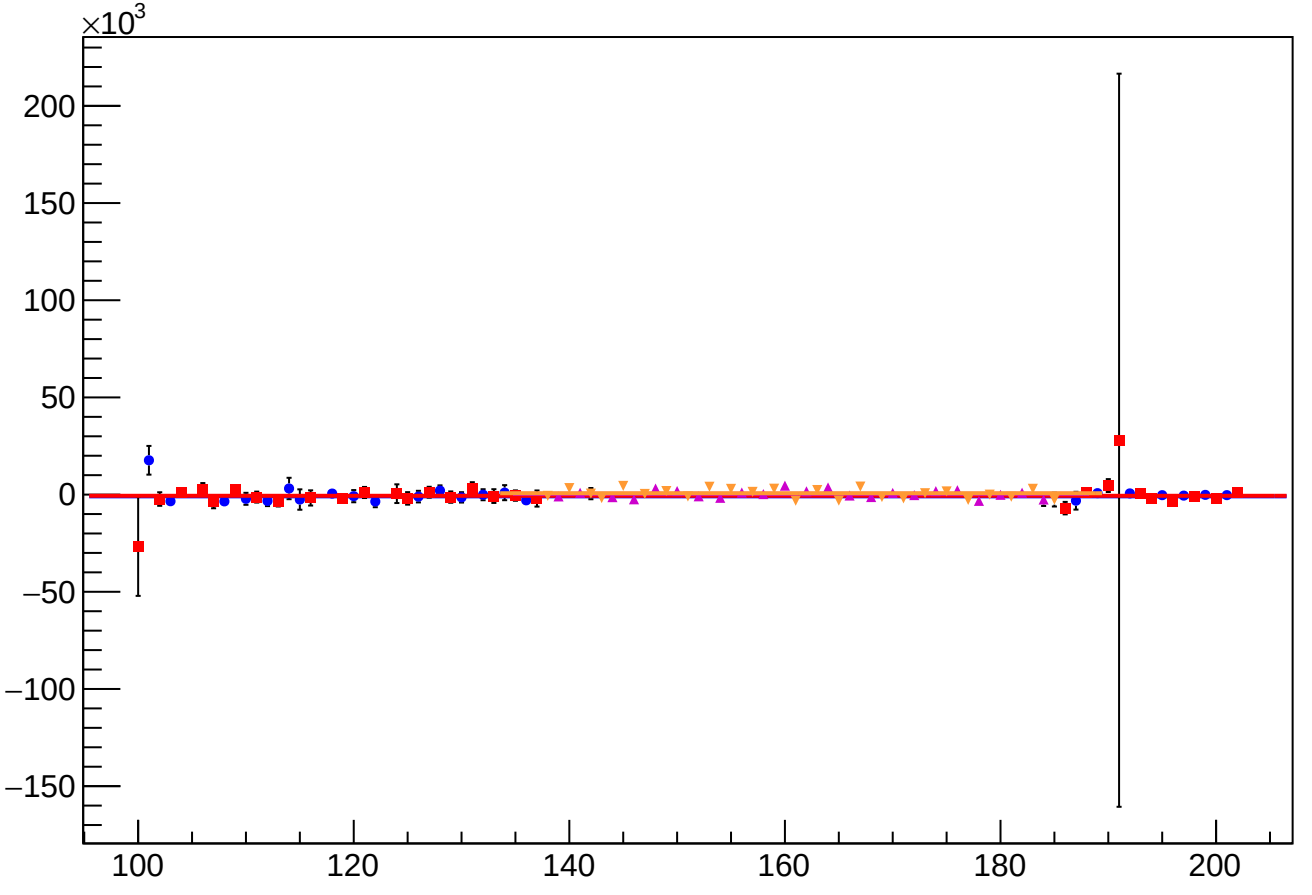
+ sign 0.000+/-0.000 χ^2/NDF: 36.8/47

All: 0.000+/-0.000 χ^2/NDF: 85.1/99

- sign 0.000+/-0.000 χ^2/NDF: 46.4/51


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5472238.8/22
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6900627.7/28
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
+ sign 0.000+/-0.000 χ²/NDF: 9700063.3/47
All: 0.000+/-0.000 χ²/NDF: 21822353.9/99
- sign 0.000+/-0.000 χ²/NDF: 12086360.8/51

reg_asym_atr_dd_mean vs Slug



Right In: -900.829+/-555.530 χ^2/NDF: 15.6/22

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -608.535+/-514.646 χ^2/NDF: 20.7/28

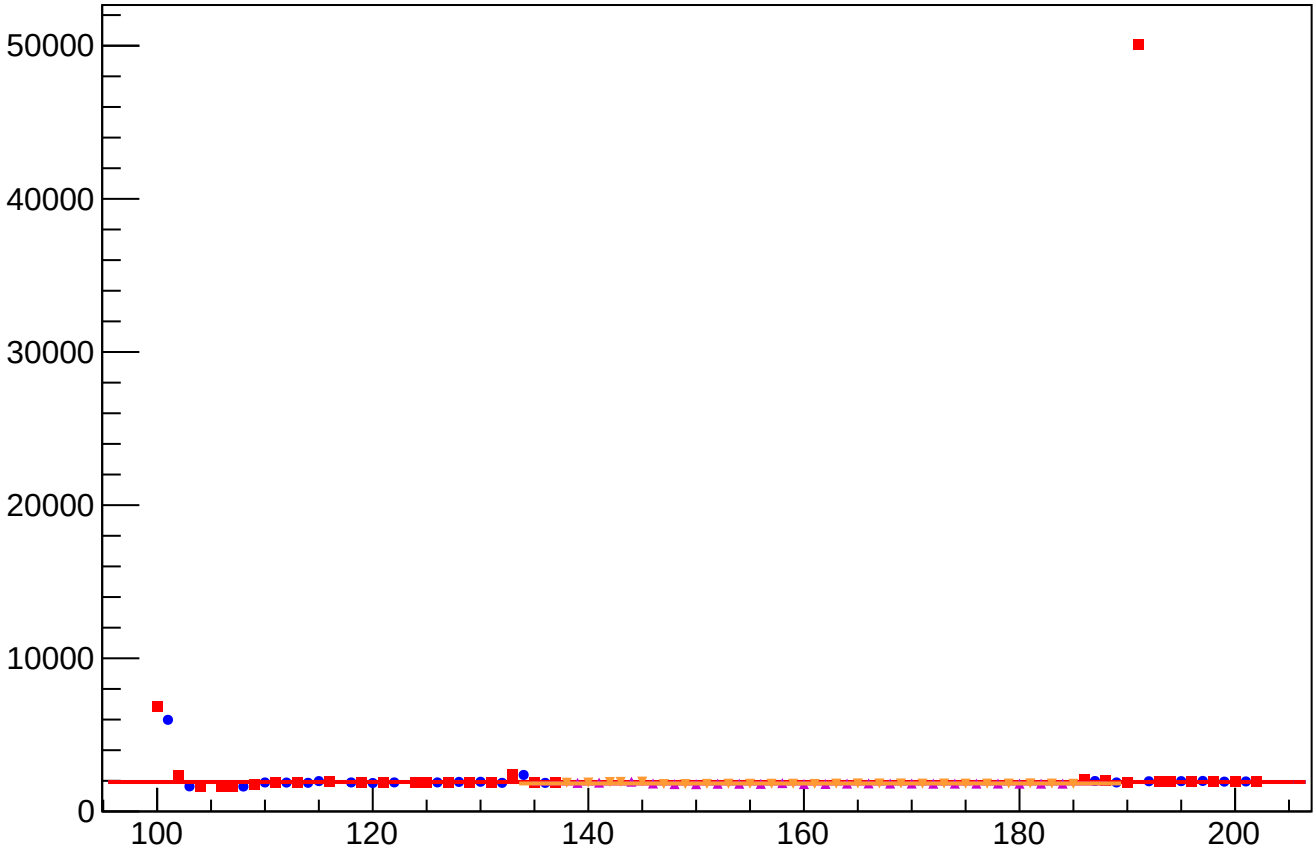
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 129.625+/-332.670 χ^2/NDF: 52.9/47

All: 59.671+/-233.658 χ^2/NDF: 96.7/99

- sign -8.441+/-328.259 χ^2/NDF: 43.7/51

reg_asym_atr_dd_rms vs Slug



Right In: 1924.663+/-0.393 χ^2/NDF: 705854.3/22

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

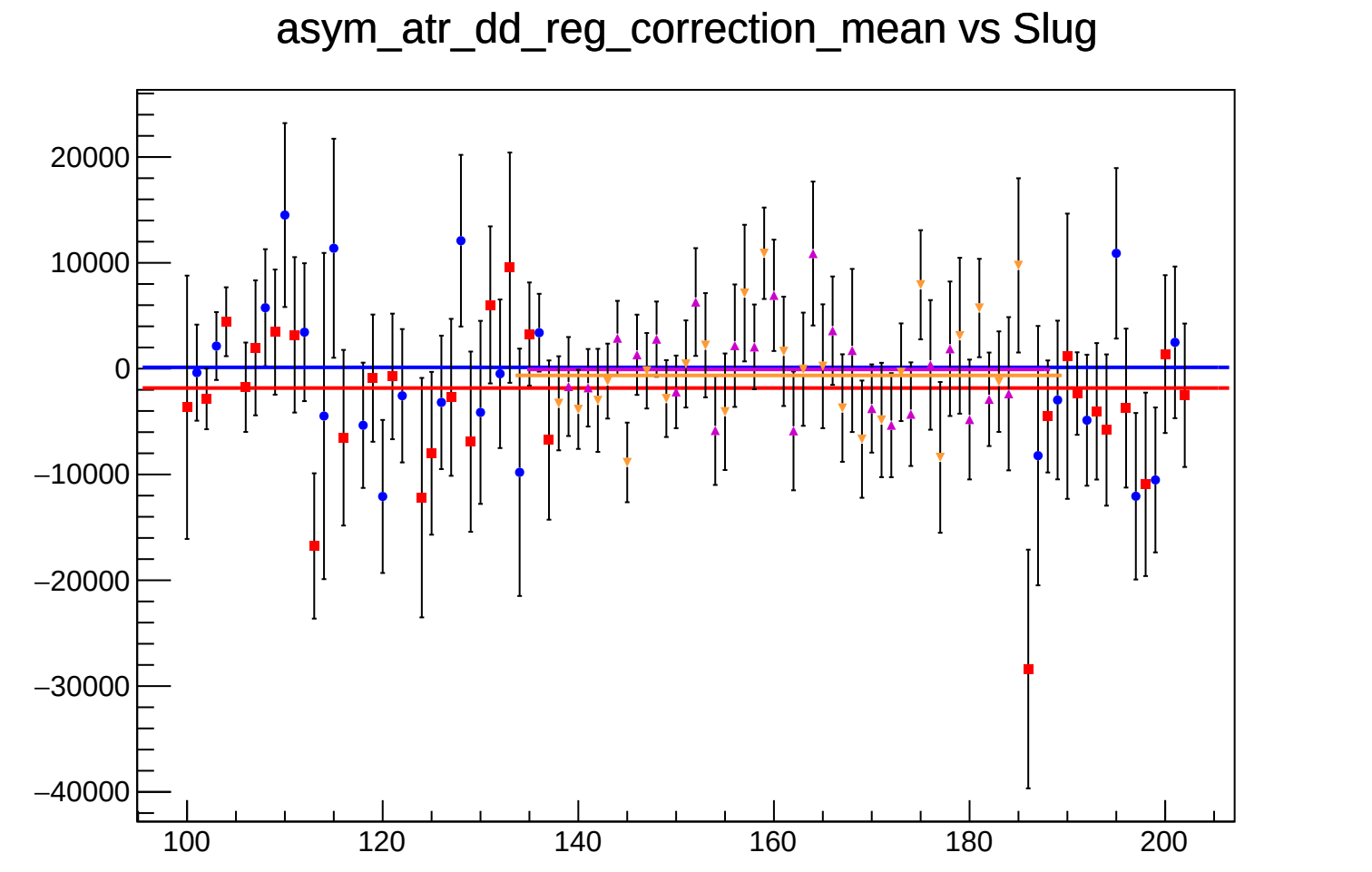
Right Out: 1921.710+/-0.363 χ^2/NDF: 374214.2/28

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

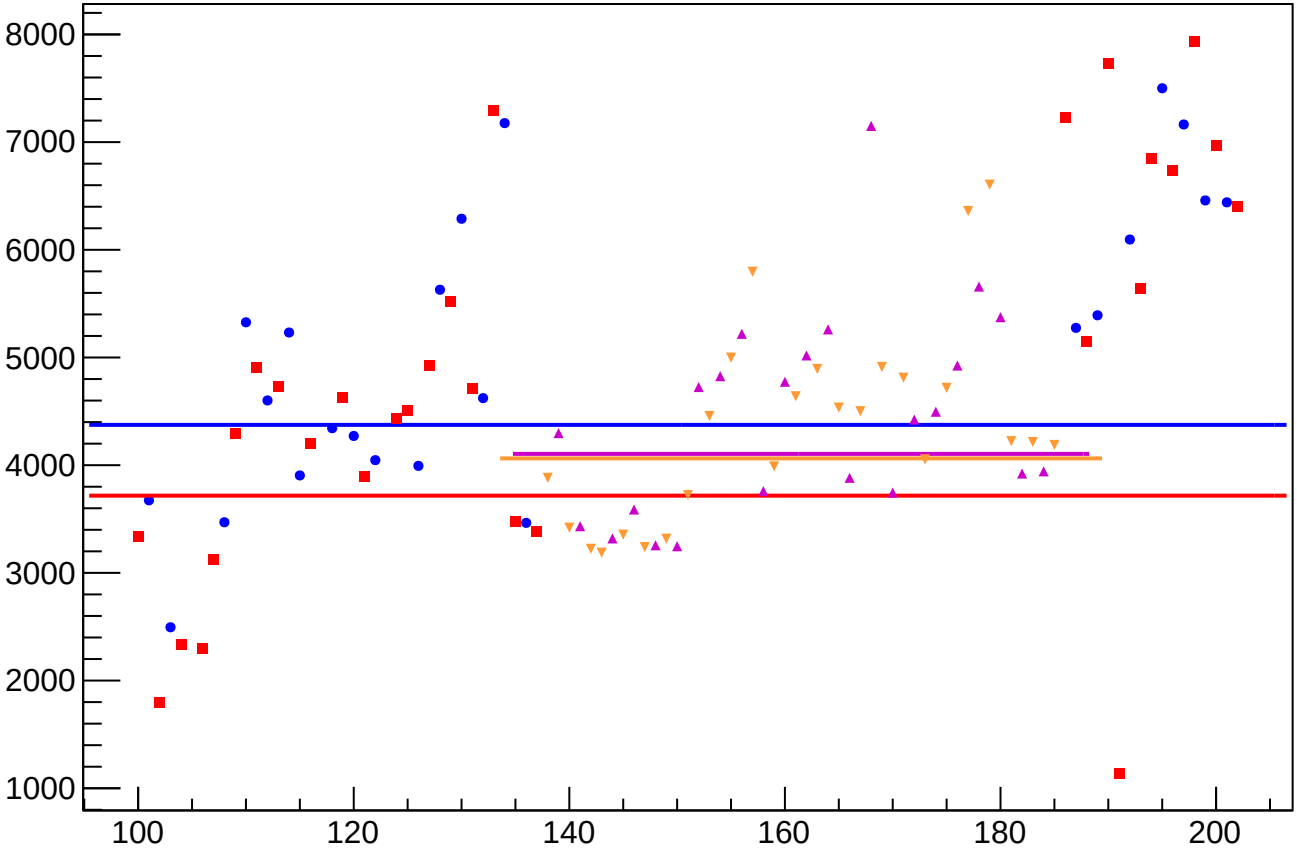
+ sign 1862.819+/-0.235 χ^2/NDF: 763827.0/47

All: 1863.685+/-0.165 χ^2/NDF: 1193267.8/99

- sign 1864.527+/-0.232 χ^2/NDF: 429414.1/51


asym_atr_dd_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 122.853+/-1313.190 χ²/NDF: 21.8/22
Left Out: -637.703+/-946.866 χ²/NDF:26.0/24
Right Out: -1832.430+/-1108.062 χ²/NDF: 23.8/28
Left In: -75.764+/-980.243 χ²/NDF:15.4/22
+ sign -377.545+/-768.035 χ²/NDF: 48.0/47
All: -622.833+/-530.711 χ²/NDF: 88.9/99
- sign -846.978+/-734.187 χ²/NDF: 40.7/51

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4374.468+/-0.929 χ^2/NDF: 2329876.8/22

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3717.099+/-0.784 χ^2/NDF: 5549273.6/28

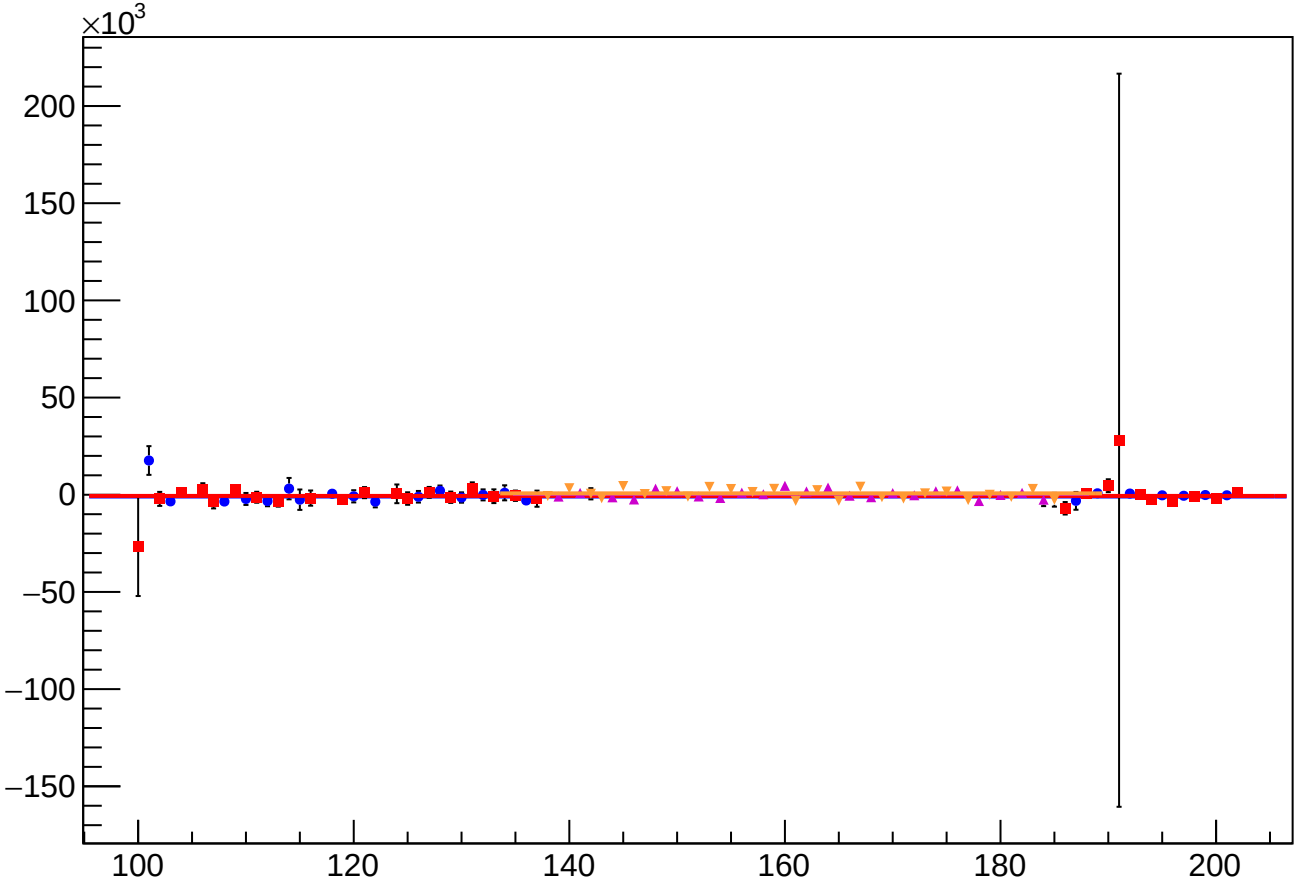
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4169.613+/-0.543 χ^2/NDF: 3808887.7/47

All: 4046.885+/-0.375 χ^2/NDF: 10952927.7/9

- sign 3934.735+/-0.519 χ^2/NDF: 7046303.9/51

cor_asym_atr_dd_mean vs Slug



Right In: -901.076+/-555.530 χ^2/NDF: 15.6/22

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -603.298+/-515.018 χ^2/NDF: 20.6/28

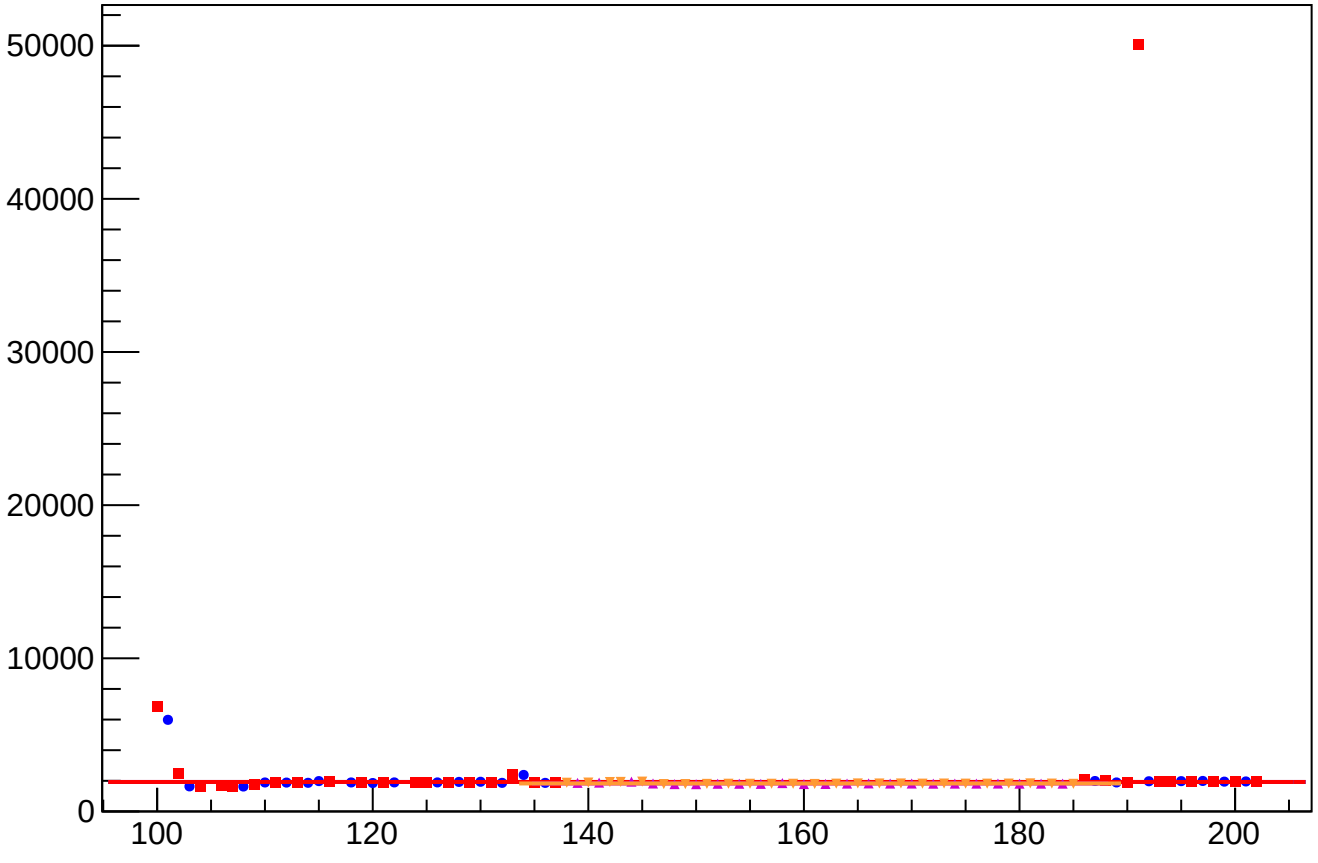
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 129.574+/-332.670 χ^2/NDF: 52.9/47

All: 60.874+/-233.693 χ^2/NDF: 96.6/99

- sign -6.056+/-328.356 χ^2/NDF: 43.6/51

cor_asym_atr_dd_rms vs Slug



Right In: 1924.663+/-0.393 χ^2/NDF: 705854.5/22

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

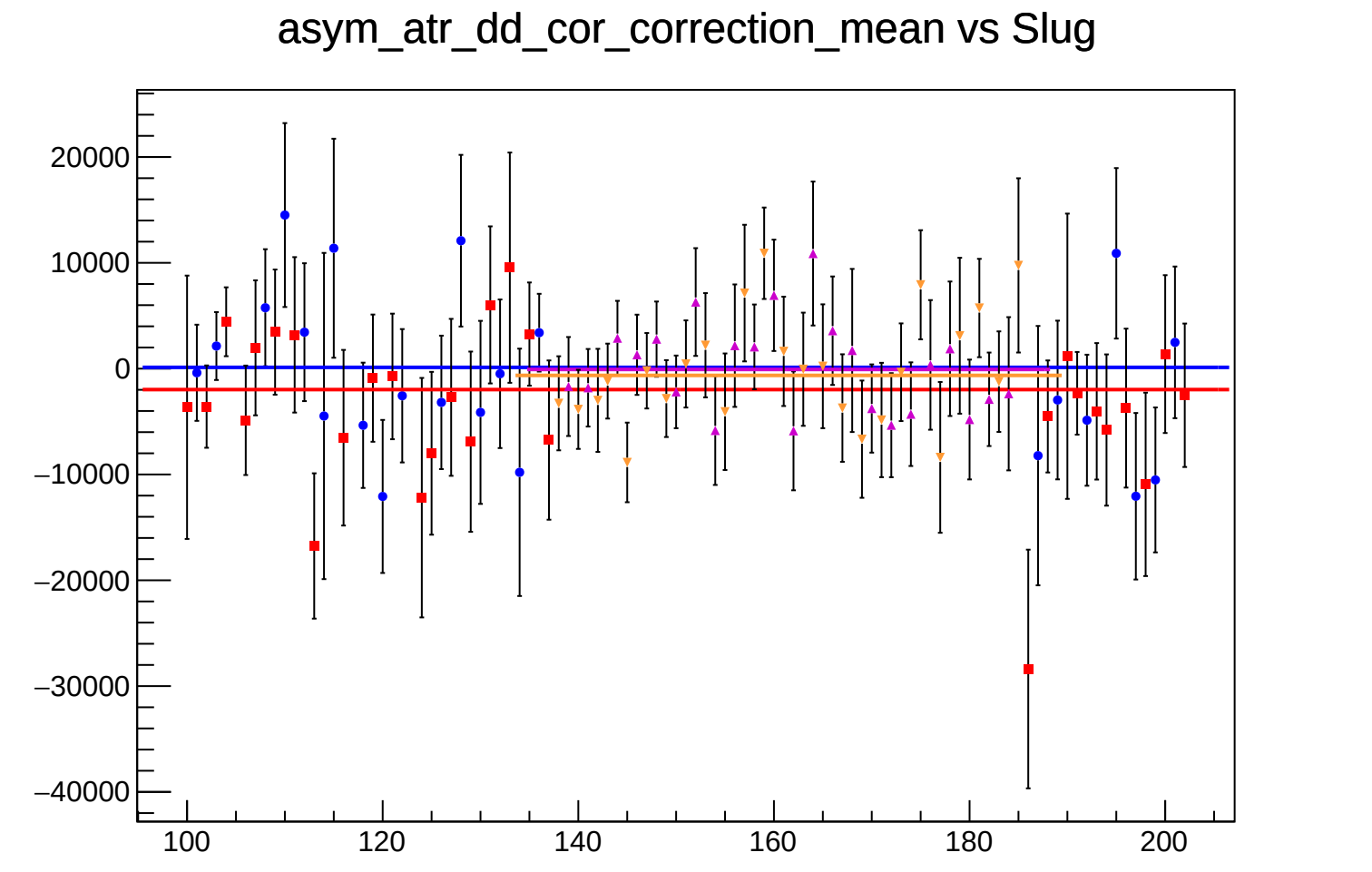
Right Out: 1925.497+/-0.364 χ^2/NDF: 380540.4/28

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1862.819+/-0.235 χ^2/NDF: 763827.1/47

All: 1864.425+/-0.165 χ^2/NDF: 1202915.1/99

- sign 1865.989+/-0.232 χ^2/NDF: 438996.0/51



Right In: 121.728+/-1313.311 χ^2/NDF: 21.8/22

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1977.922+/-1162.478 χ^2/NDF: 24.2/28

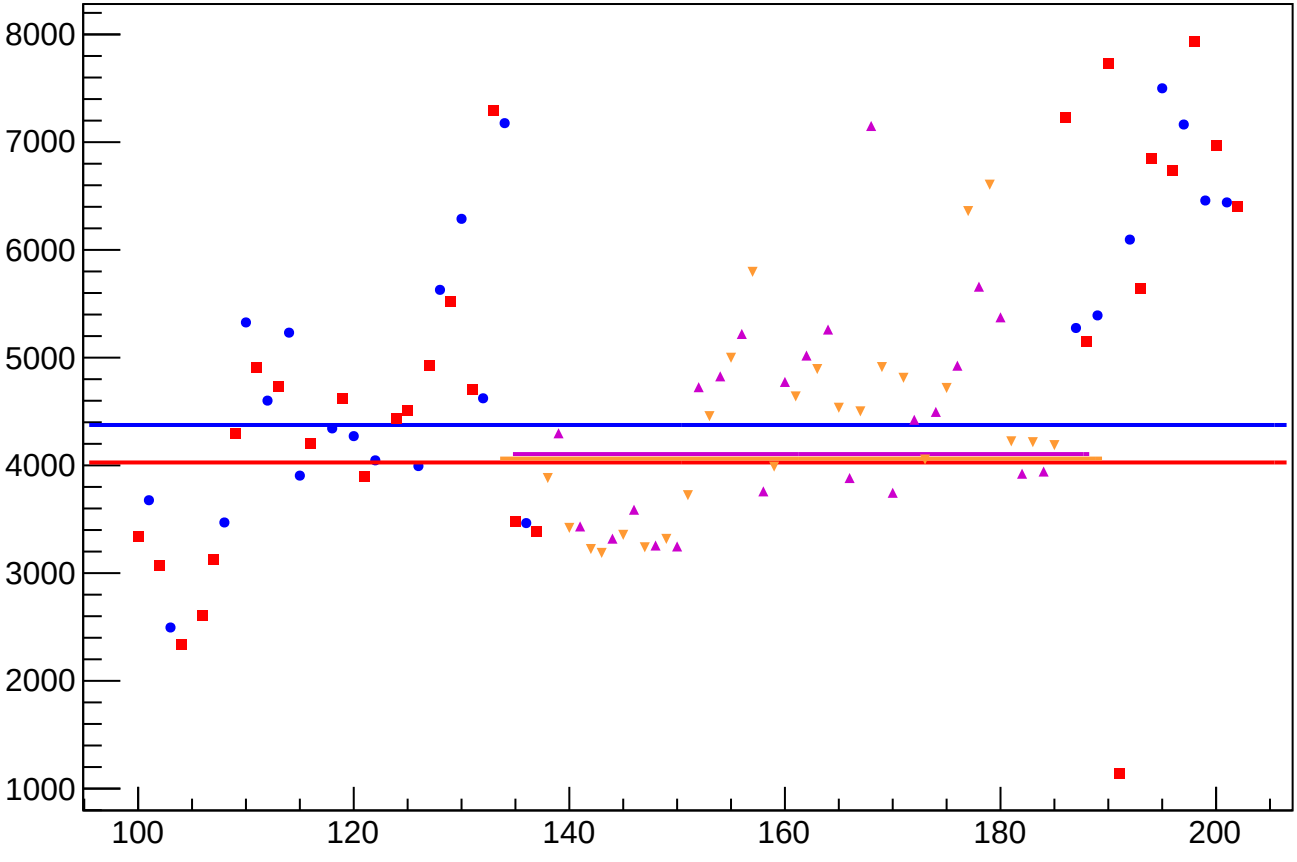
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -377.973+/-768.058 χ^2/NDF: 48.0/47

All: -628.117+/-536.374 χ^2/NDF: 89.5/99

- sign -866.242+/-749.380 χ^2/NDF: 41.2/51

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4374.982+/-0.929 χ^2/NDF: 2328828.8/22

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

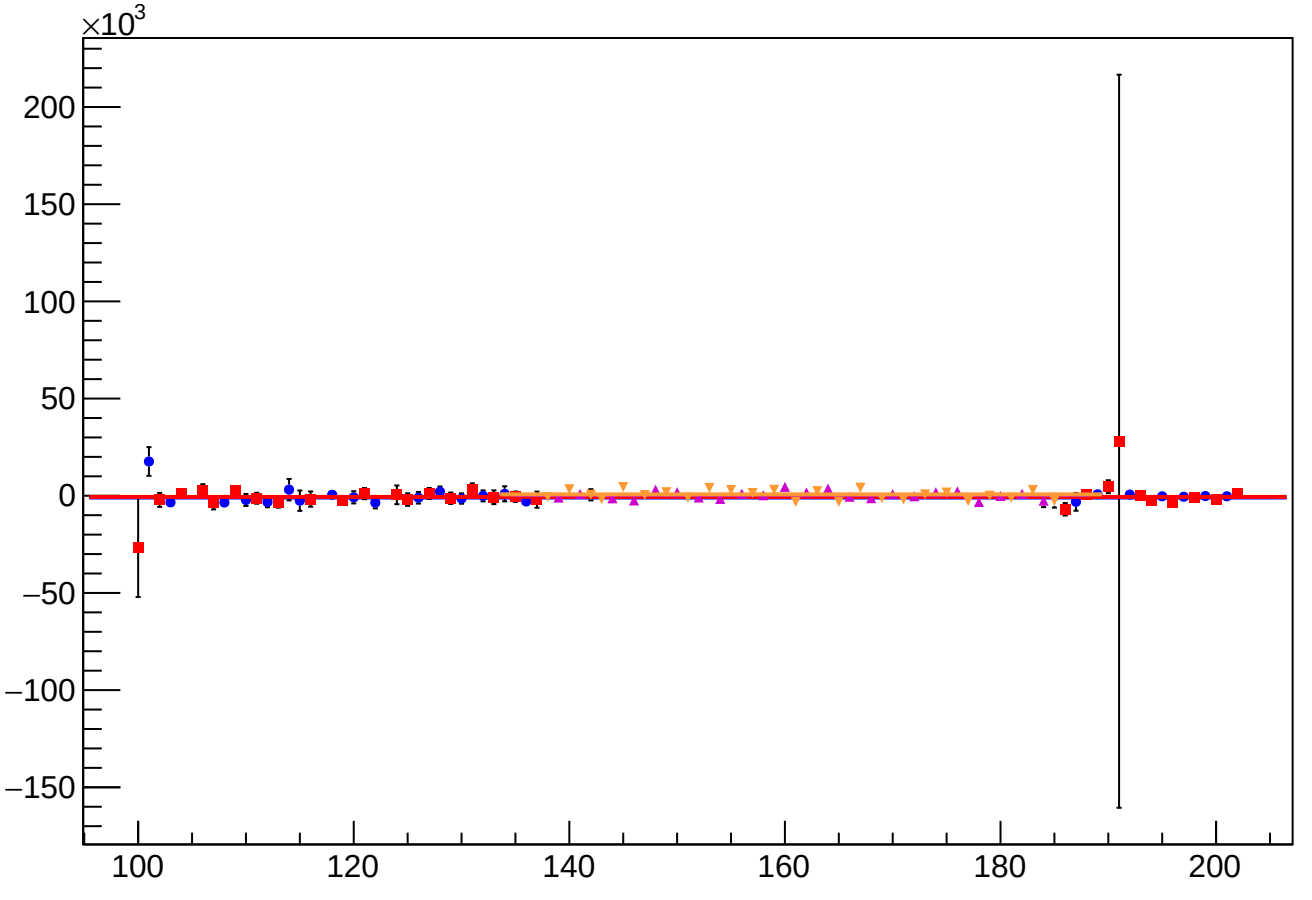
Right Out: 4027.024+/-0.822 χ^2/NDF: 4428015.0/28

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4169.774+/-0.543 χ^2/NDF: 3808070.8/47

All: 4120.004+/-0.379 χ^2/NDF: 9617246.1/99

- sign 4072.625+/-0.530 χ^2/NDF: 5792782.8/51



Right In: -901.076+/-555.530 χ^2/NDF: 15.6/22

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -603.298+/-515.018 χ^2/NDF: 20.6/28

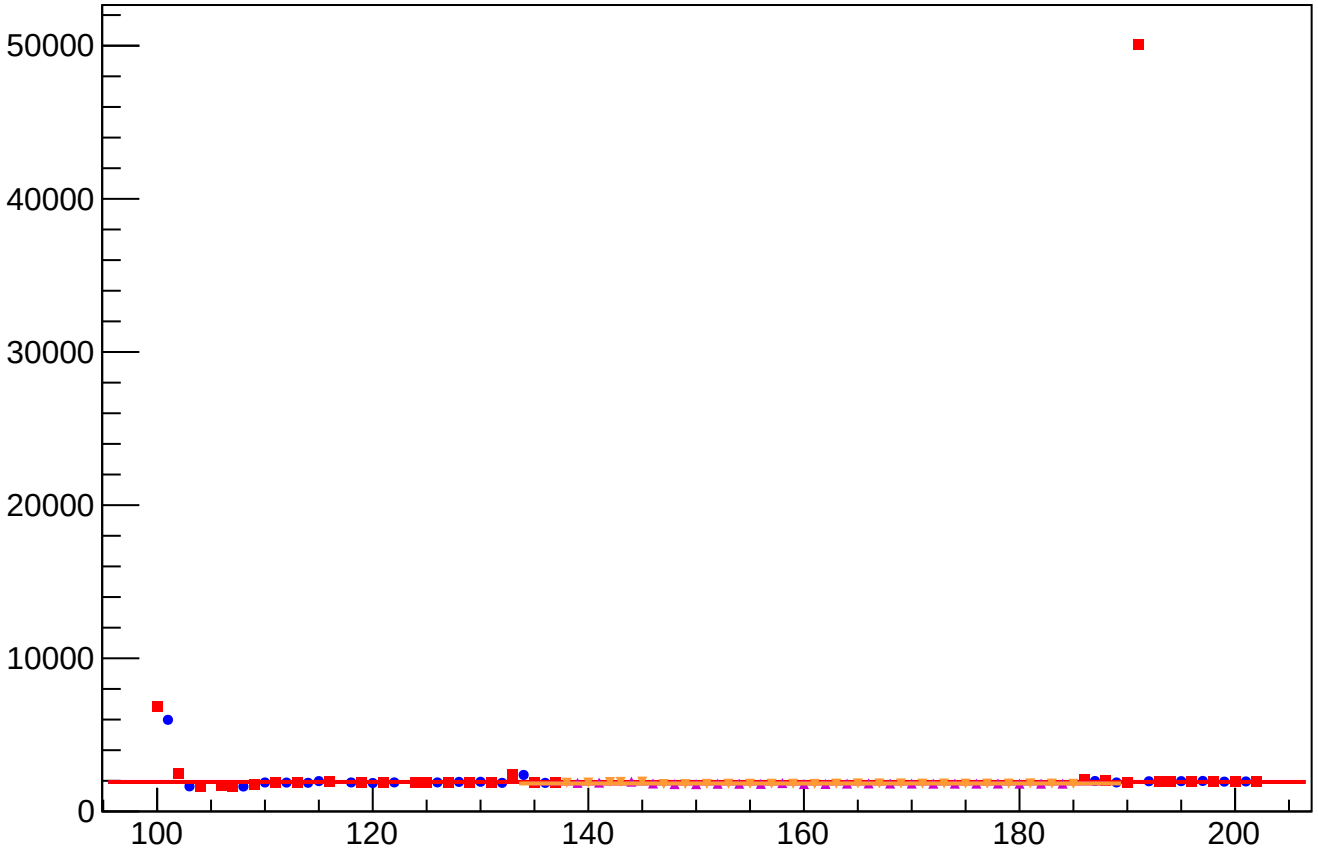
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 129.574+/-332.670 χ^2/NDF: 52.9/47

All: 60.874+/-233.693 χ^2/NDF: 96.6/99

- sign -6.056+/-328.356 χ^2/NDF: 43.6/51

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1924.663+/-0.393 χ^2/NDF: 705854.5/22

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

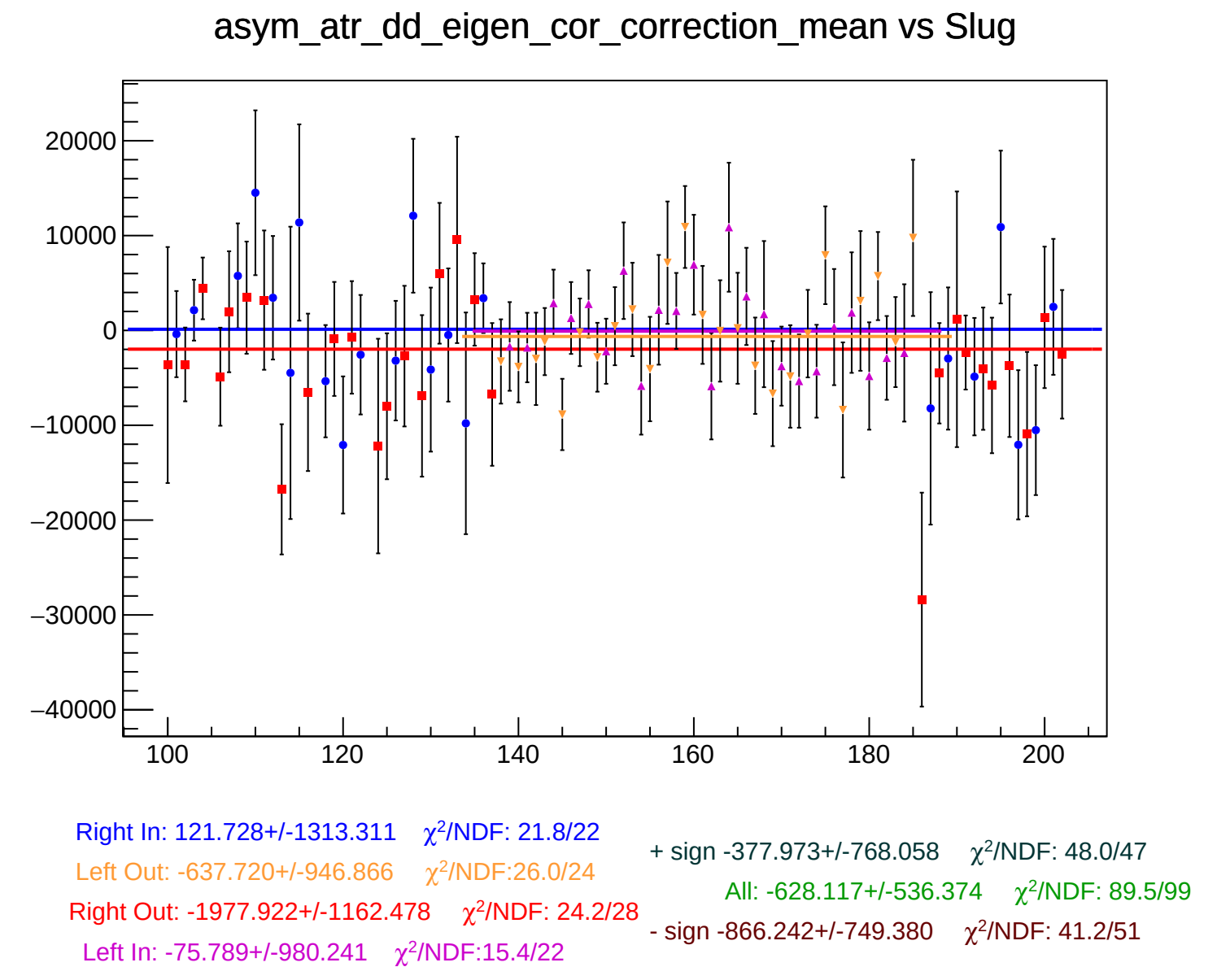
Right Out: 1925.497+/-0.364 χ^2/NDF: 380540.4/28

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

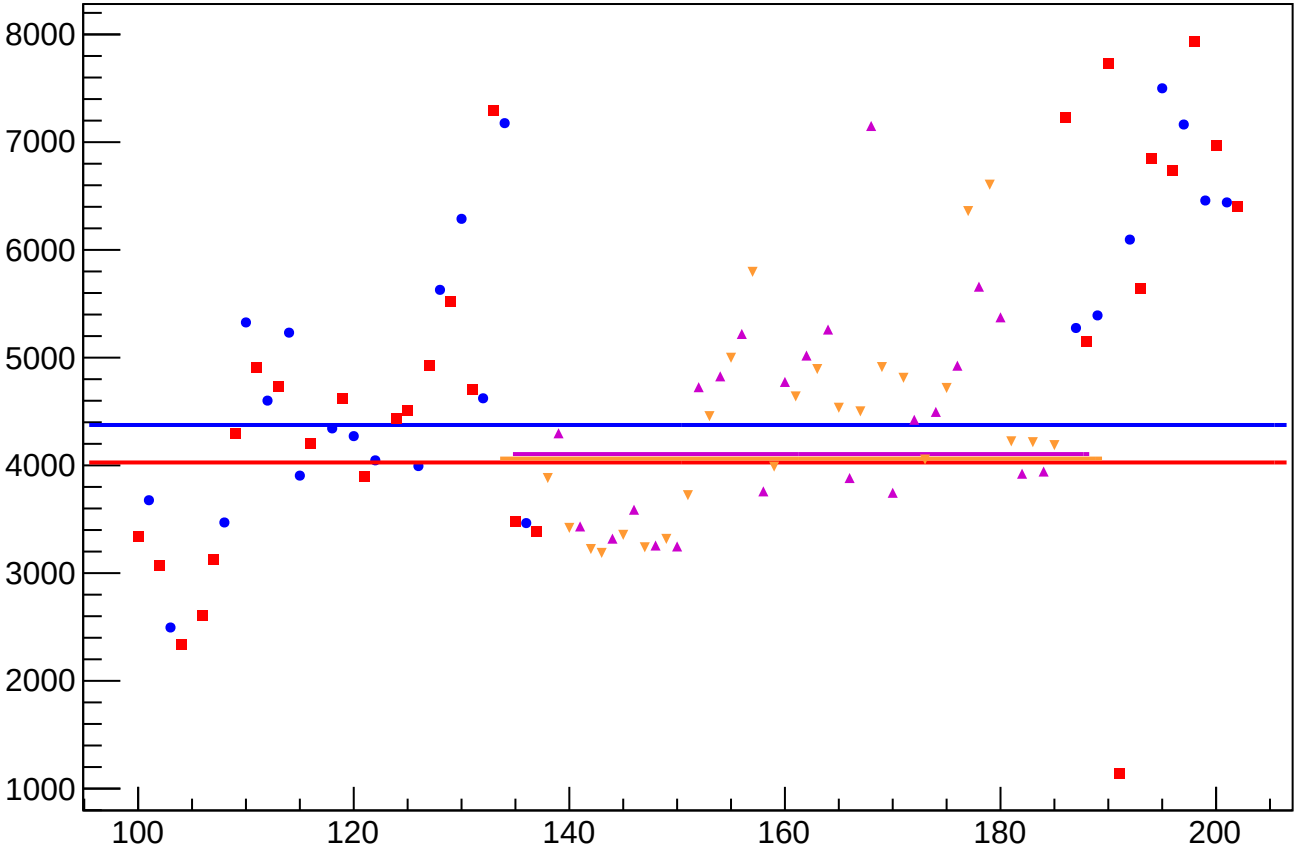
+ sign 1862.819+/-0.235 χ^2/NDF: 763827.1/47

All: 1864.425+/-0.165 χ^2/NDF: 1202915.1/99

- sign 1865.989+/-0.232 χ^2/NDF: 438996.0/51


asym_atr_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 121.728+/-1313.311 χ²/NDF: 21.8/22
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: -1977.922+/-1162.478 χ²/NDF: 24.2/28
Left In: -75.789+/-980.241 χ²/NDF:15.4/22
+ sign -377.973+/-768.058 χ²/NDF: 48.0/47
All: -628.117+/-536.374 χ²/NDF: 89.5/99
- sign -866.242+/-749.380 χ²/NDF: 41.2/51

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4374.982+/-0.929 χ^2/NDF: 2328828.8/22

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4027.024+/-0.822 χ^2/NDF: 4428015.0/28

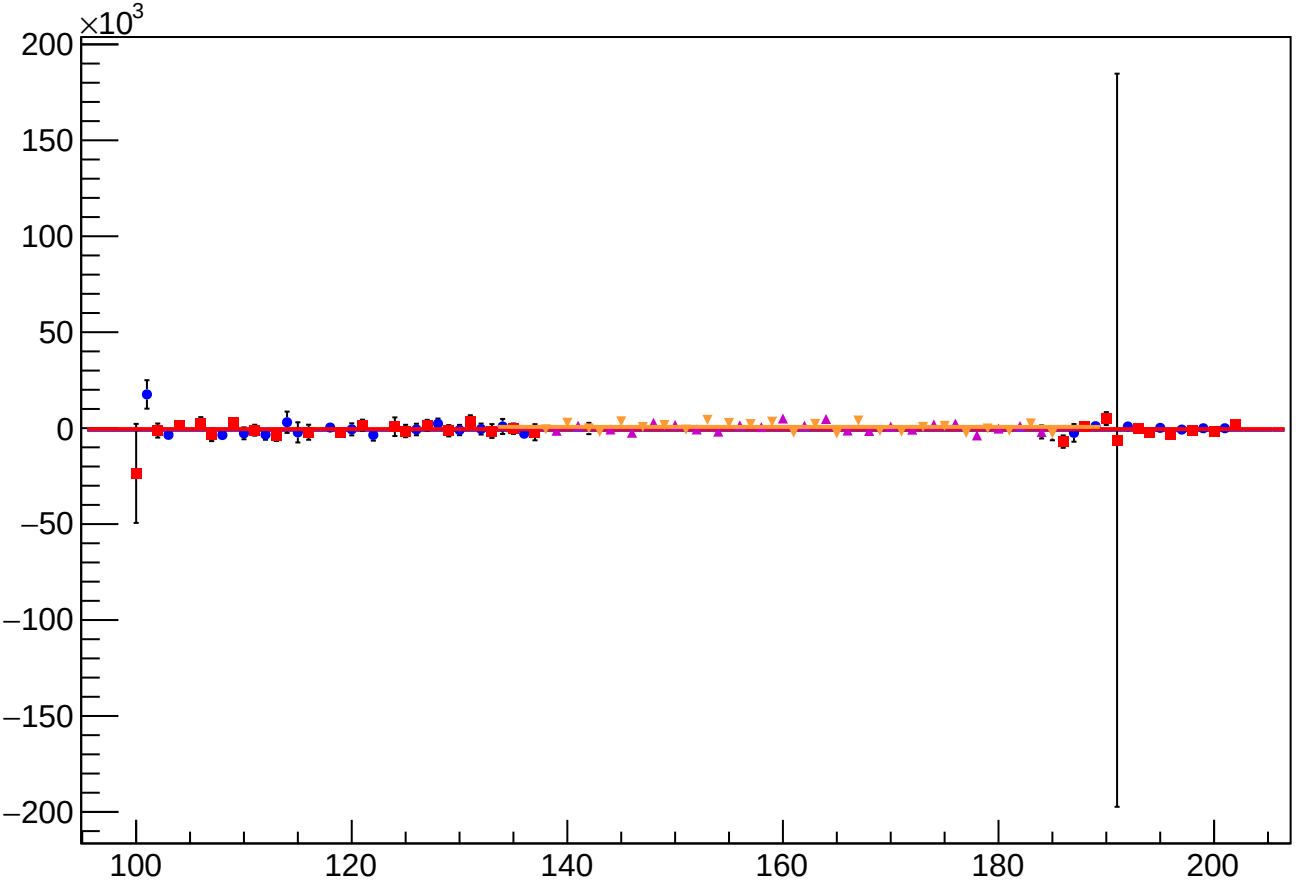
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4169.774+/-0.543 χ^2/NDF: 3808070.8/47

All: 4120.004+/-0.379 χ^2/NDF: 9617246.1/99

- sign 4072.625+/-0.530 χ^2/NDF: 5792782.8/51

dit_asym_atr_dd_mean vs Slug



Right In: -836.322+/-560.656 χ^2/NDF: 16.1/22

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -512.043+/-520.269 χ^2/NDF: 22.5/28

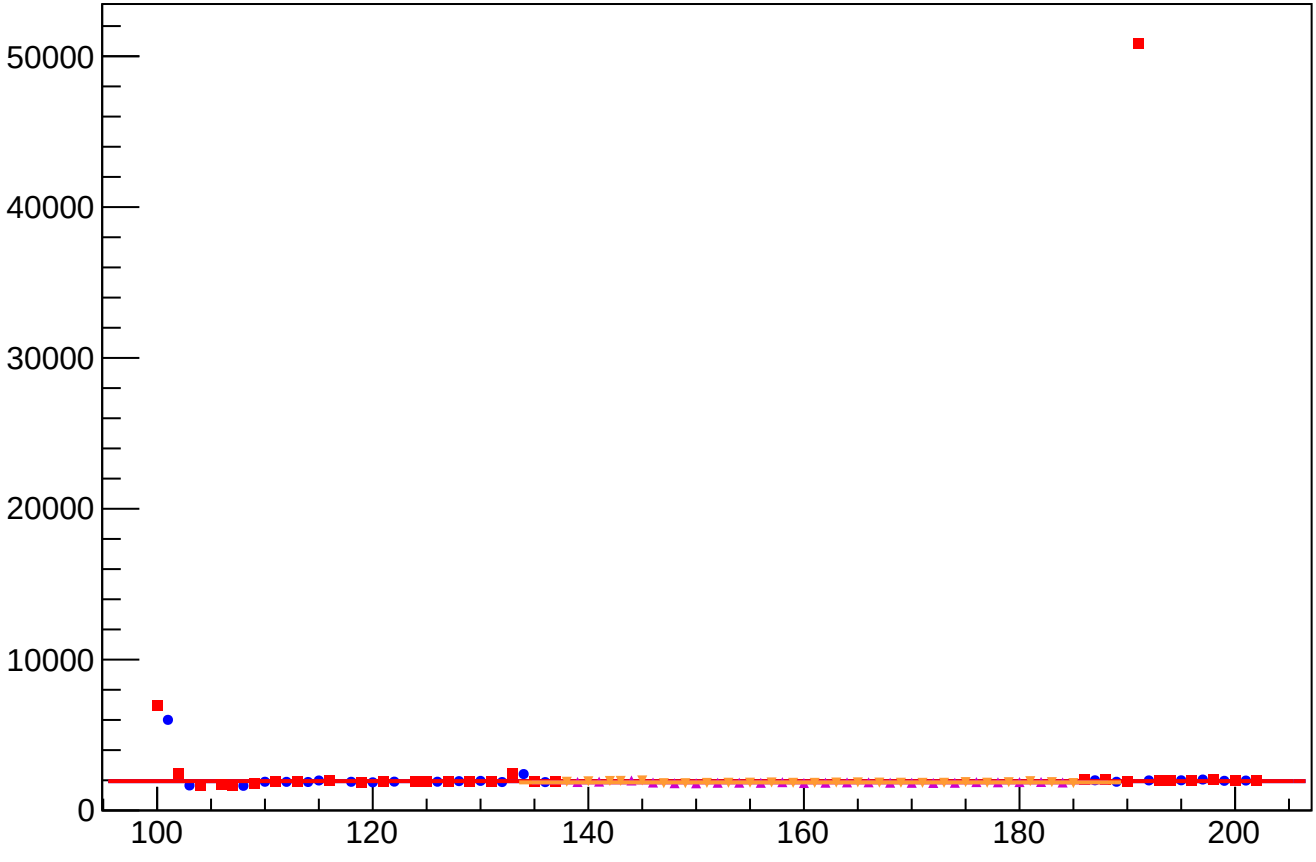
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

\+ sign 115.596+/-337.706 χ^2/NDF: 47.7/47

All: 73.398+/-237.186 χ^2/NDF: 95.7/99

\- sign 32.319+/-333.203 χ^2/NDF: 48.0/51

dit_asym_atr_dd_rms vs Slug



Right In: 1942.233+/-0.396 χ^2/NDF: 708481.8/22

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1944.758+/-0.368 χ^2/NDF: 389186.4/28

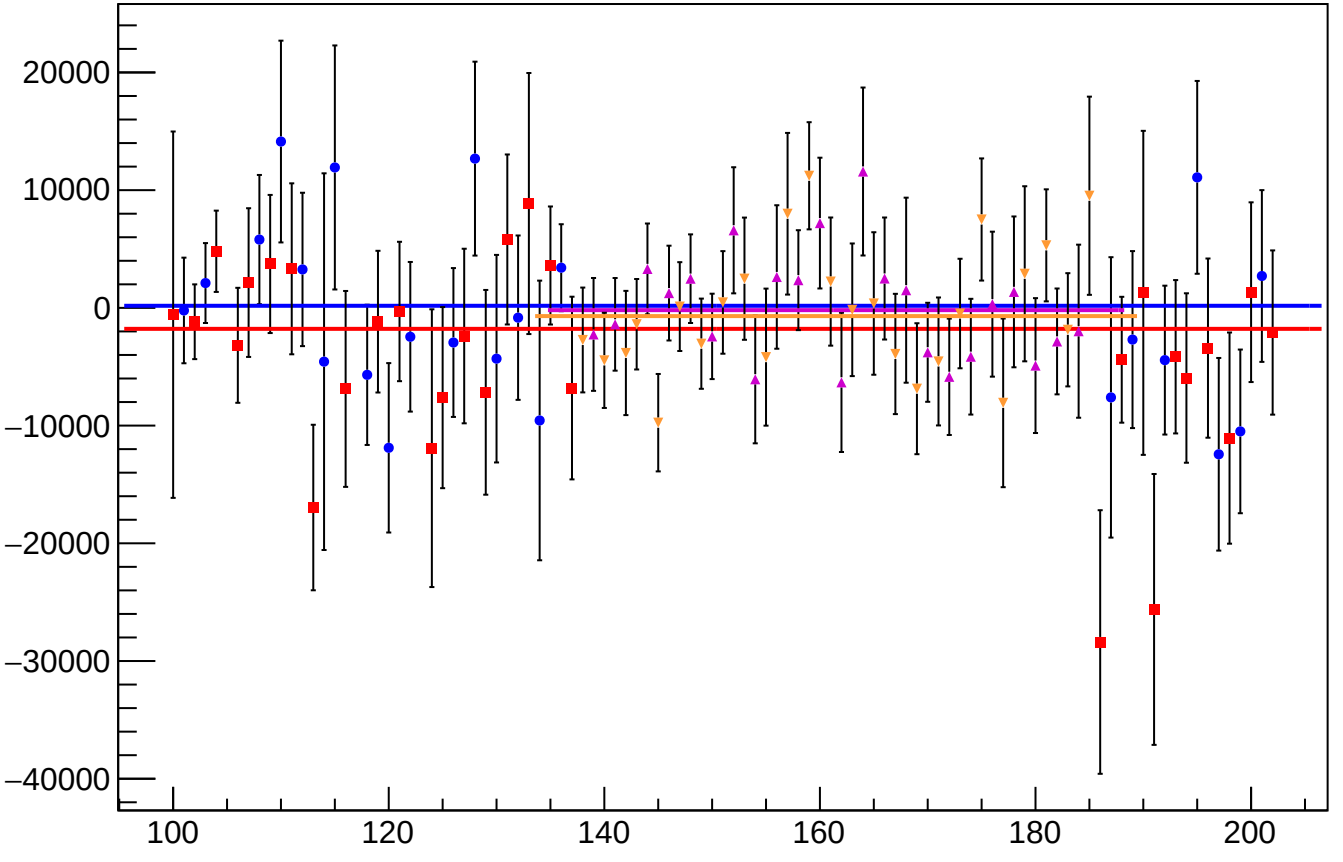
Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1890.938+/-0.239 χ^2/NDF: 760770.2/47

All: 1892.191+/-0.168 χ^2/NDF: 1199475.2/99

- sign 1893.410+/-0.236 χ^2/NDF: 438650.6/51

asym_atr_dd_dit_correction_mean vs Slug



Right In: 177.789+/-1330.496 χ^2/NDF: 21.6/22

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1781.728+/-1196.747 χ^2/NDF: 27.9/28

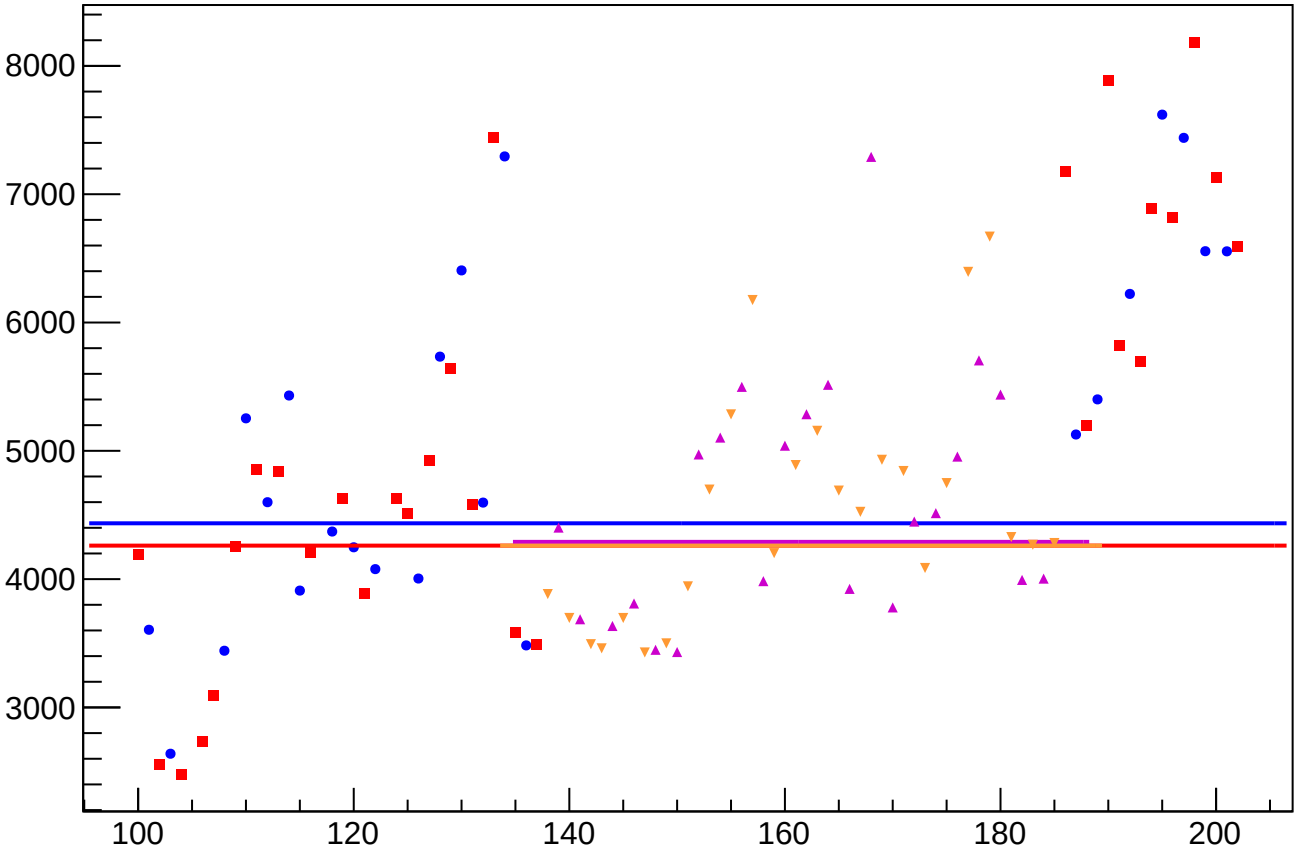
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -386.075+/-794.268 χ^2/NDF: 47.2/47

All: -629.696+/-555.565 χ^2/NDF: 91.5/99

- sign -863.066+/-777.379 χ^2/NDF: 44.1/51

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4435.162+/-0.941 χ^2/NDF: 2269367.2/22

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4261.212+/-0.846 χ^2/NDF: 3563353.3/28

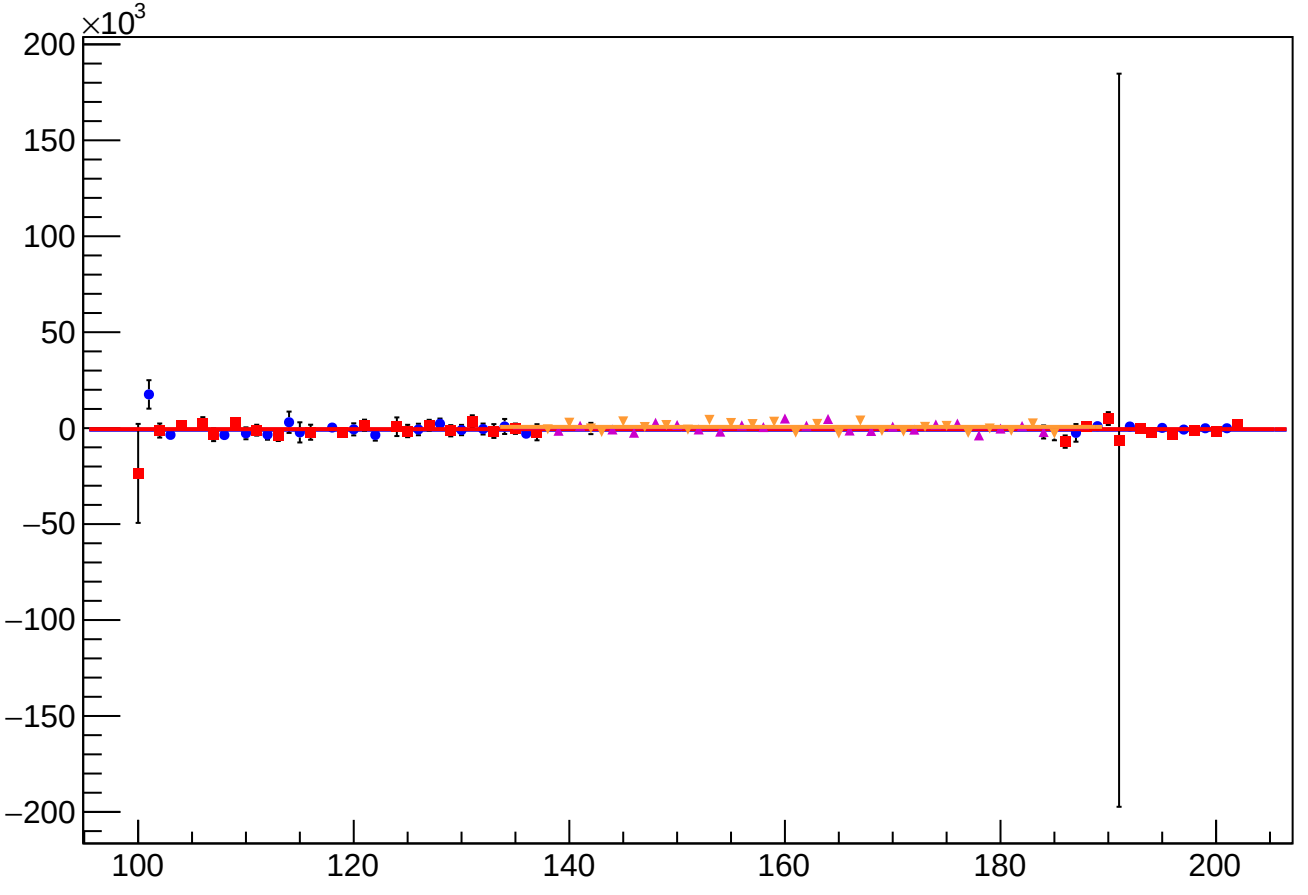
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4323.147+/-0.562 χ^2/NDF: 3481954.1/47

All: 4300.131+/-0.393 χ^2/NDF: 8263247.8/99

- sign 4278.083+/-0.550 χ^2/NDF: 4778005.6/51

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -836.324+/-560.656 χ^2/NDF: 16.1/22

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -512.041+/-520.269 χ^2/NDF: 22.5/28

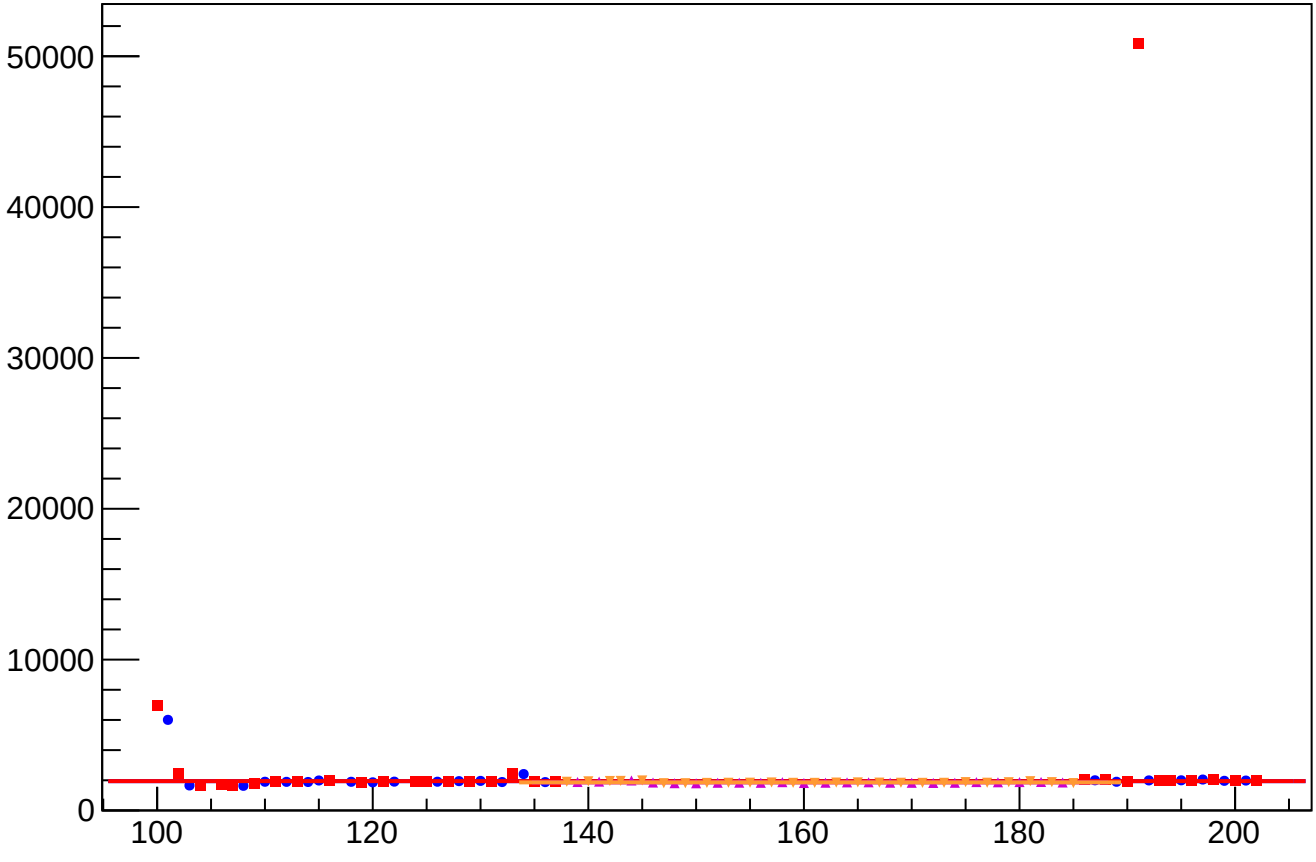
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 115.598+/-337.706 χ^2/NDF: 47.7/47

All: 73.400+/-237.186 χ^2/NDF: 95.7/99

- sign 32.319+/-333.203 χ^2/NDF: 48.0/51

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1942.233+/-0.396 χ^2/NDF: 708481.7/22

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

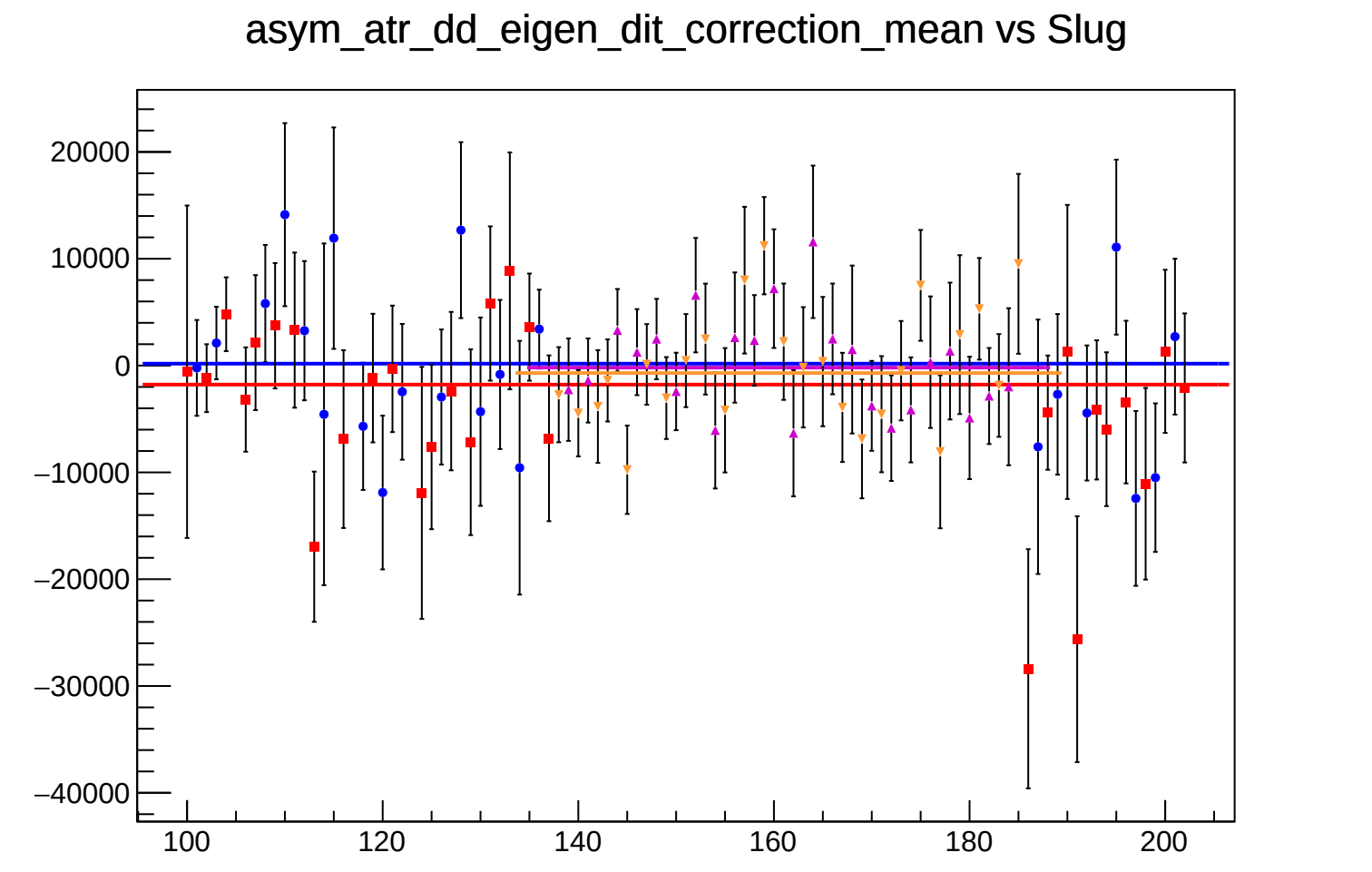
Right Out: 1944.759+/-0.368 χ^2/NDF: 389186.5/28

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1890.938+/-0.239 χ^2/NDF: 760769.7/47

All: 1892.191+/-0.168 χ^2/NDF: 1199474.3/99

- sign 1893.410+/-0.236 χ^2/NDF: 438650.3/51



Right In: 177.779+/-1330.496 χ^2/NDF: 21.6/22

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1781.725+/-1196.747 χ^2/NDF: 27.9/28

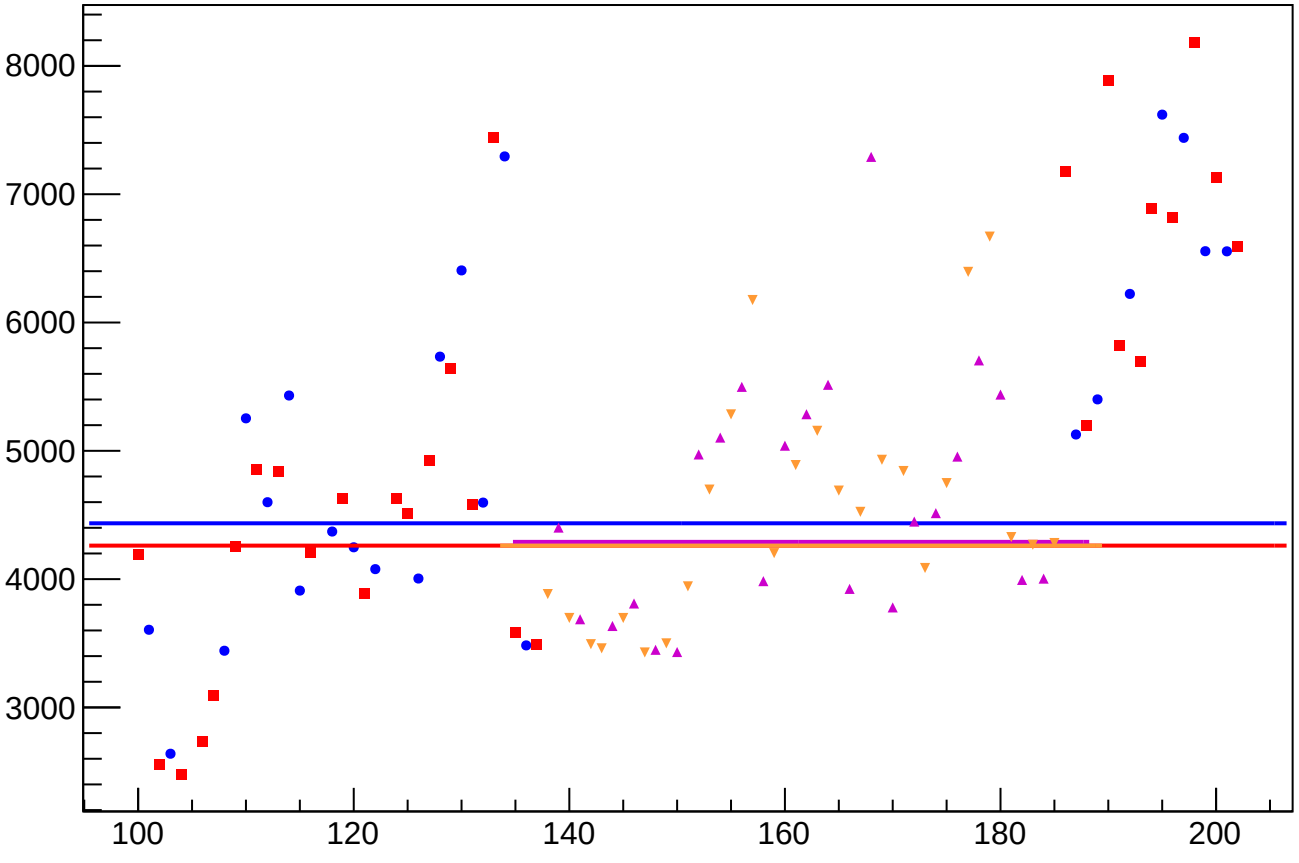
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -386.077+/-794.269 χ^2/NDF: 47.2/47

All: -629.698+/-555.565 χ^2/NDF: 91.5/99

- sign -863.068+/-777.380 χ^2/NDF: 44.1/51

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4435.160+/-0.941 χ^2/NDF: 2269367.6/22

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4261.209+/-0.846 χ^2/NDF: 3563354.3/28

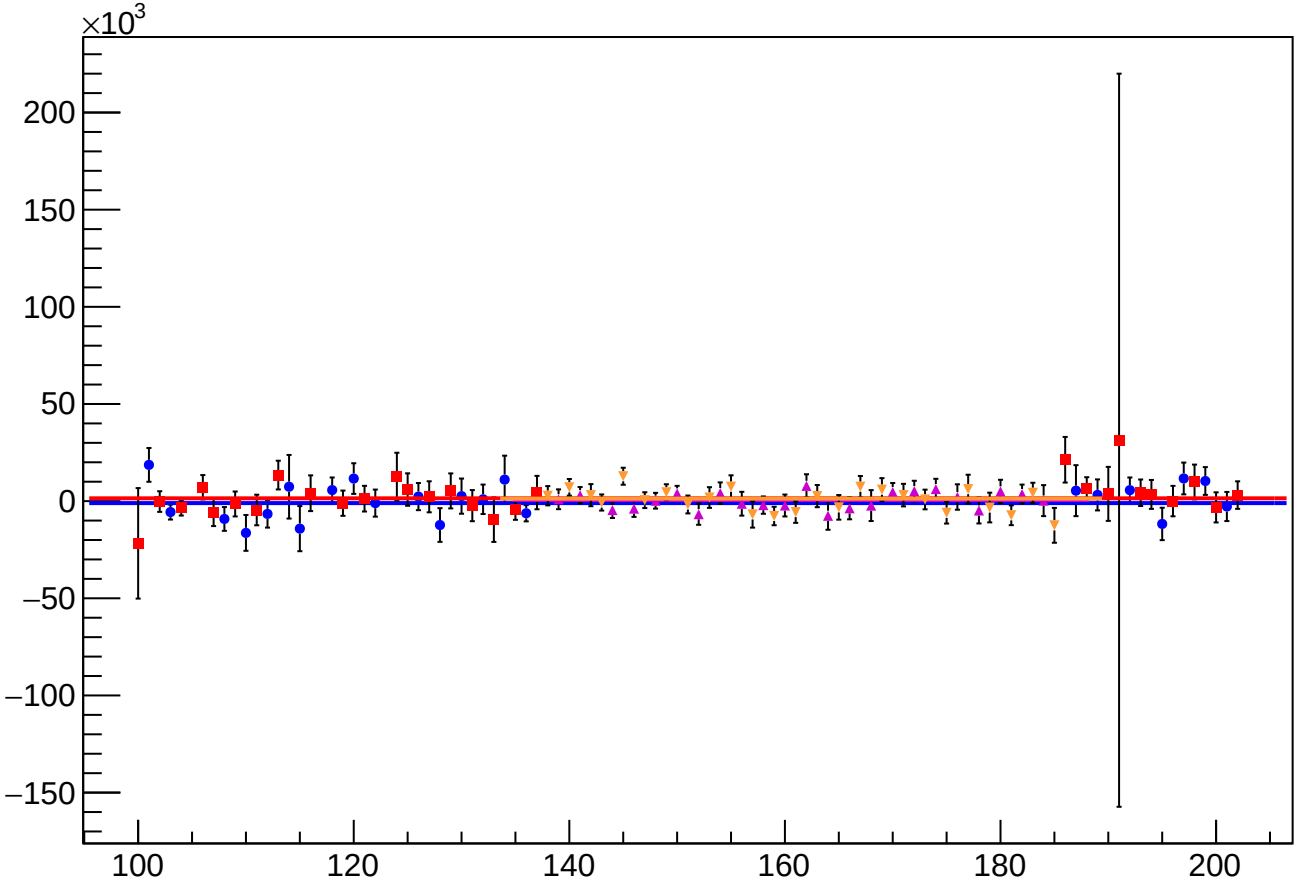
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4323.151+/-0.562 χ^2/NDF: 3481955.0/47

All: 4300.134+/-0.393 χ^2/NDF: 8263256.2/99

- sign 4278.086+/-0.550 χ^2/NDF: 4778012.9/51

asym_atr_dd_mean vs Slug



Right In: -1007.459+/-1490.821 χ^2/NDF: 29.8/22

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1447.219+/-1376.664 χ^2/NDF: 16.5/28

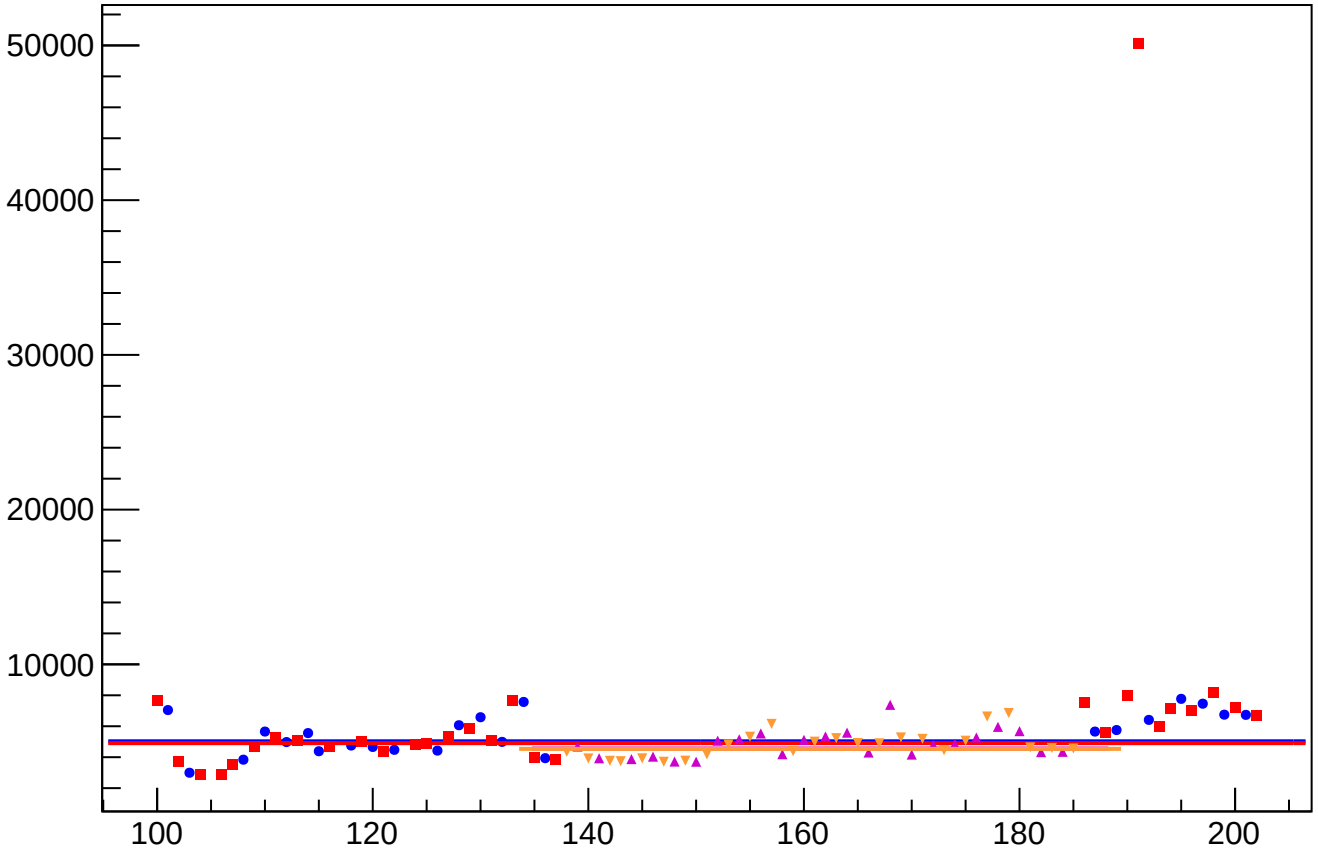
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 534.252+/-858.209 χ^2/NDF: 59.8/47

All: 723.258+/-604.194 χ^2/NDF: 91.1/99

- sign 908.996+/-850.758 χ^2/NDF: 31.2/51

asym_atr_dd_rms vs Slug



Right In: 5026.613+/-1.054 χ^2/NDF: 1824175.4/22

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

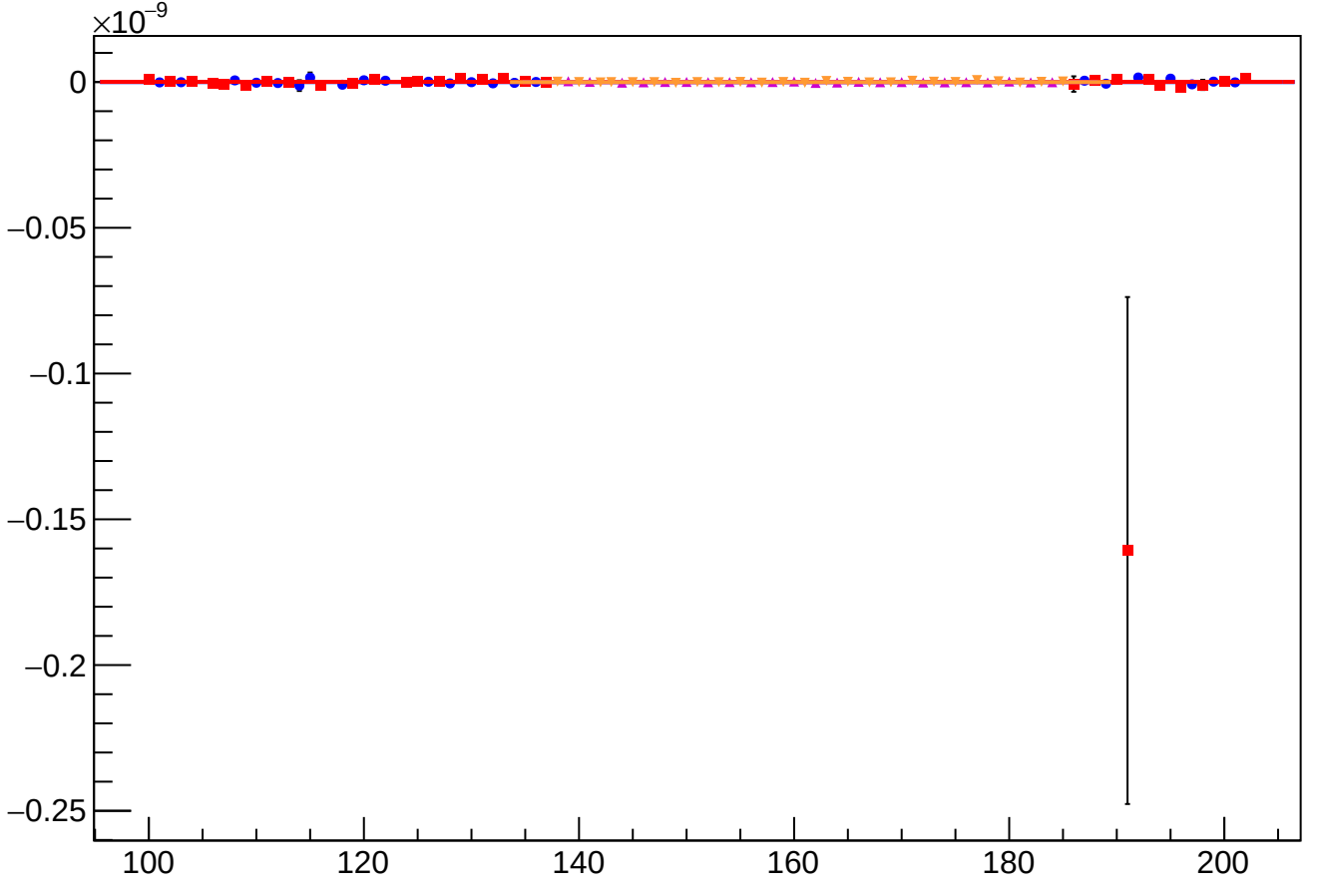
Right Out: 4906.835+/-0.968 χ^2/NDF: 2529676.8/28

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4699.876+/-0.607 χ^2/NDF: 2960762.6/47

All: 4696.774+/-0.427 χ^2/NDF: 6549500.9/99

- sign 4693.739+/-0.600 χ^2/NDF: 3588686.7/51



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/28

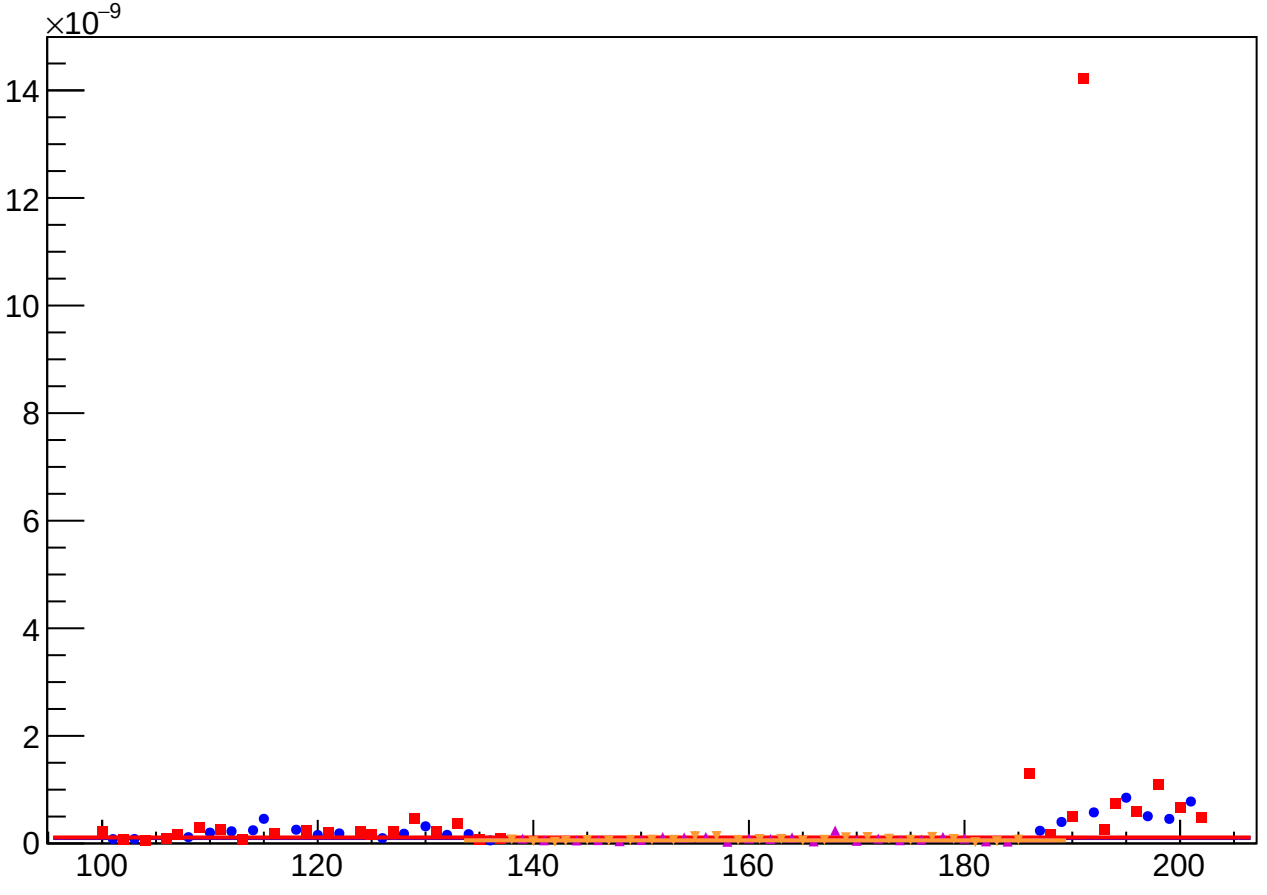
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.0/47

All: -0.000+/-0.000 χ^2/NDF: 114.3/99

- sign -0.000+/-0.000 χ^2/NDF: 57.7/51

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4122484.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5164046.2/28

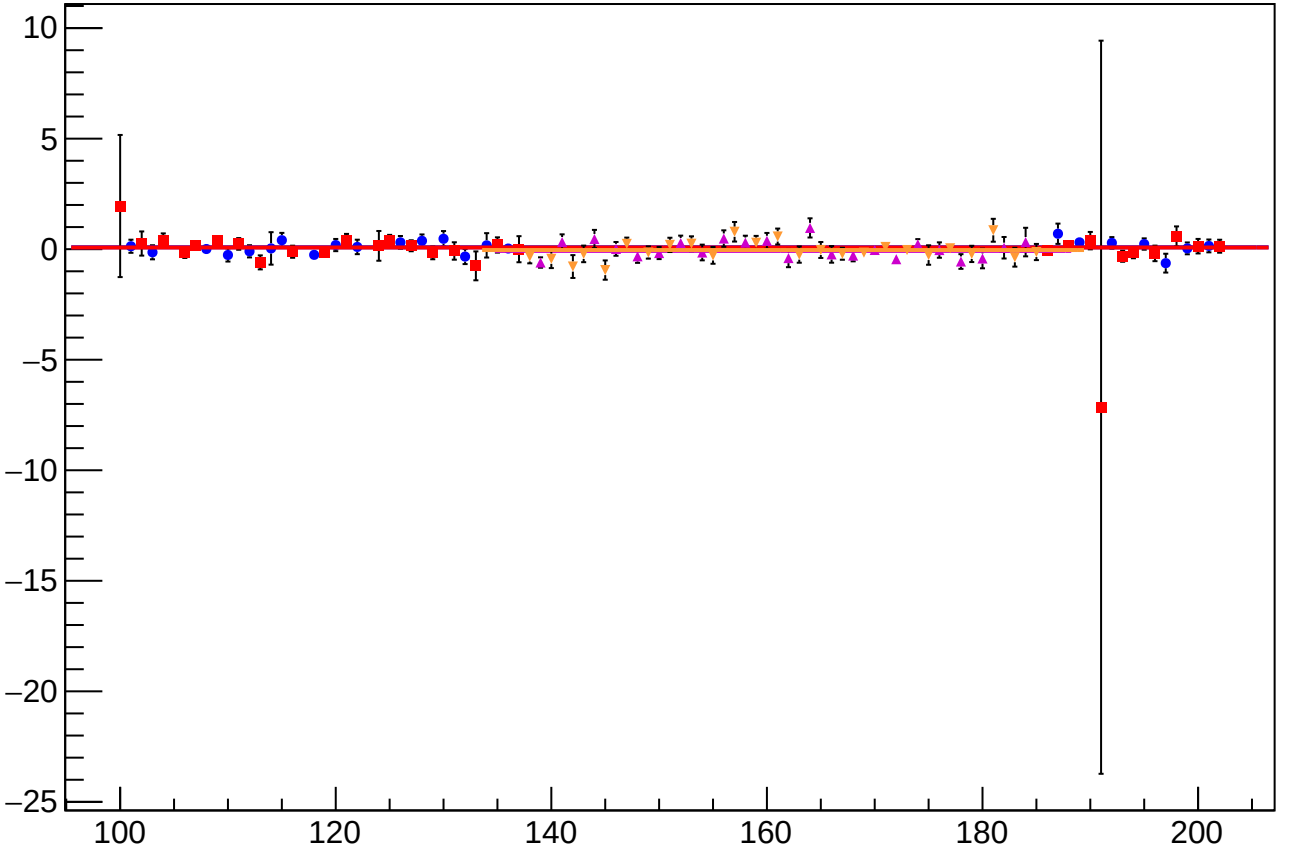
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6892786.9/47

All: 0.000+/-0.000 χ^2/NDF: 15264466.4/99

- sign 0.000+/-0.000 χ^2/NDF: 8366070.1/51

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.086+/-0.058 χ^2/NDF: 18.0/22

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.076+/-0.052 χ^2/NDF: 24.8/28

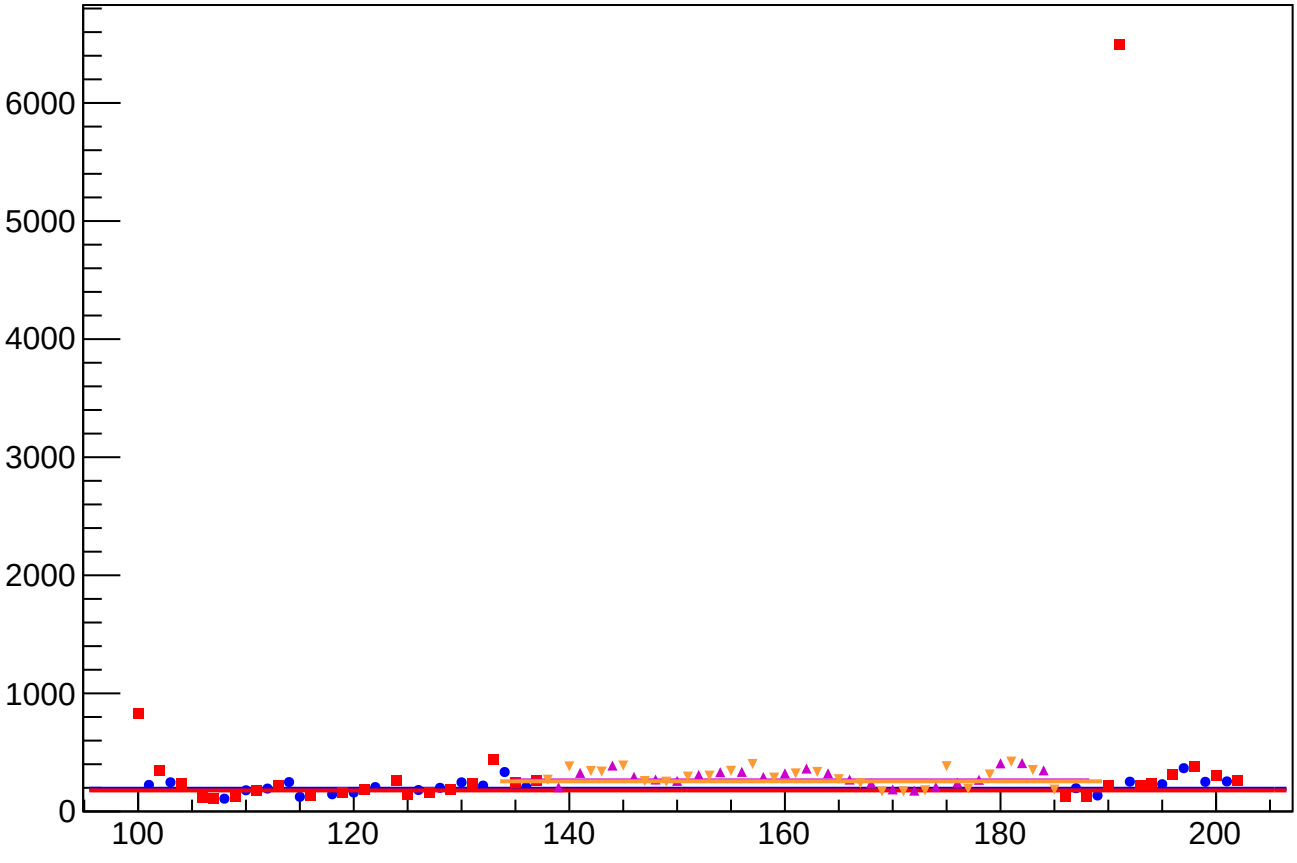
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.027+/-0.043 χ^2/NDF: 44.5/47

All: 0.021+/-0.029 χ^2/NDF: 103.8/99

- sign 0.016+/-0.041 χ^2/NDF: 59.3/51

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 192.230+/-0.041 χ^2/NDF: 1823904.5/22

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 178.243+/-0.037 χ^2/NDF: 3492817.3/28

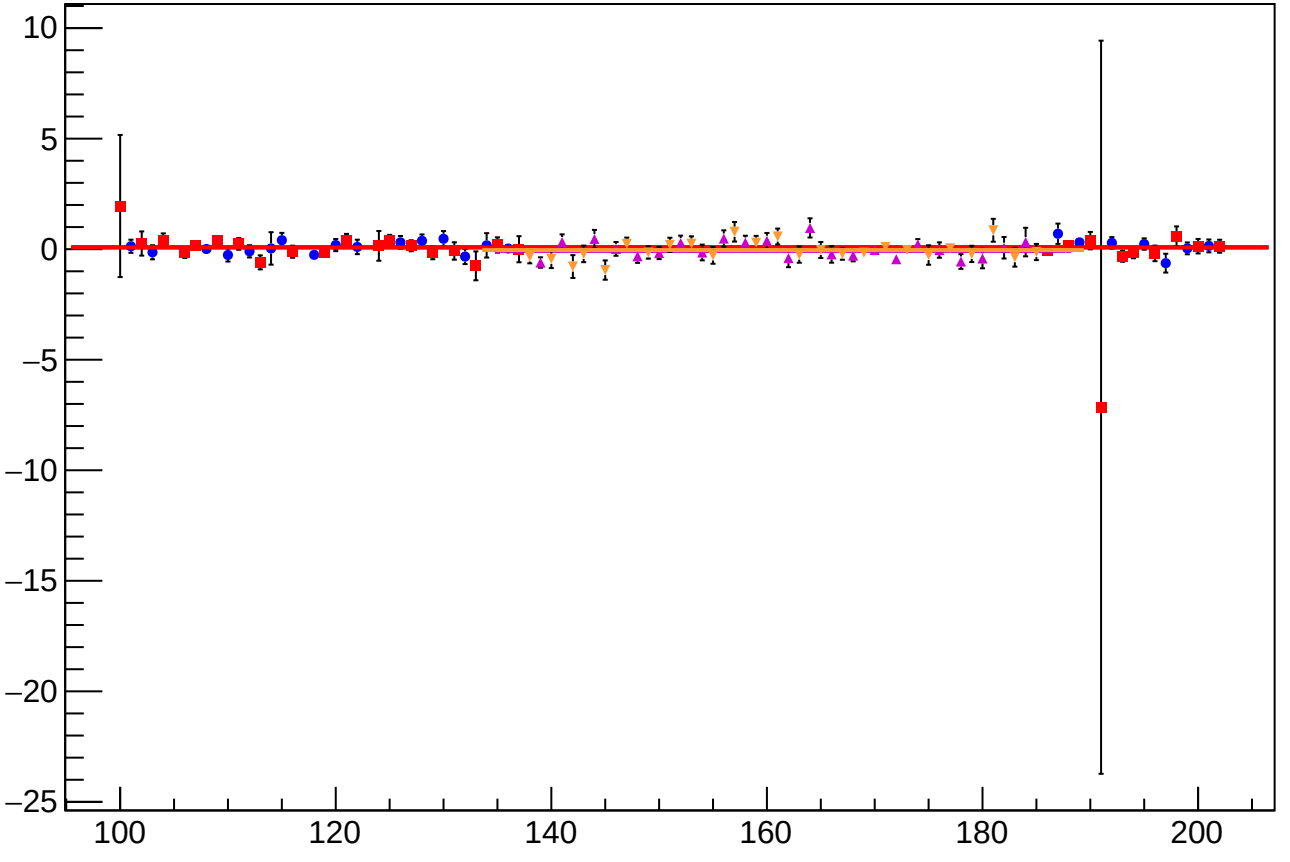
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 221.969+/-0.030 χ^2/NDF: 5858505.7/47

All: 216.467+/-0.021 χ^2/NDF: 13503418.1/99

- sign 211.433+/-0.029 χ^2/NDF: 7580734.7/51

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.086+/-0.058 χ^2/NDF: 18.0/22

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.076+/-0.052 χ^2/NDF: 24.8/28

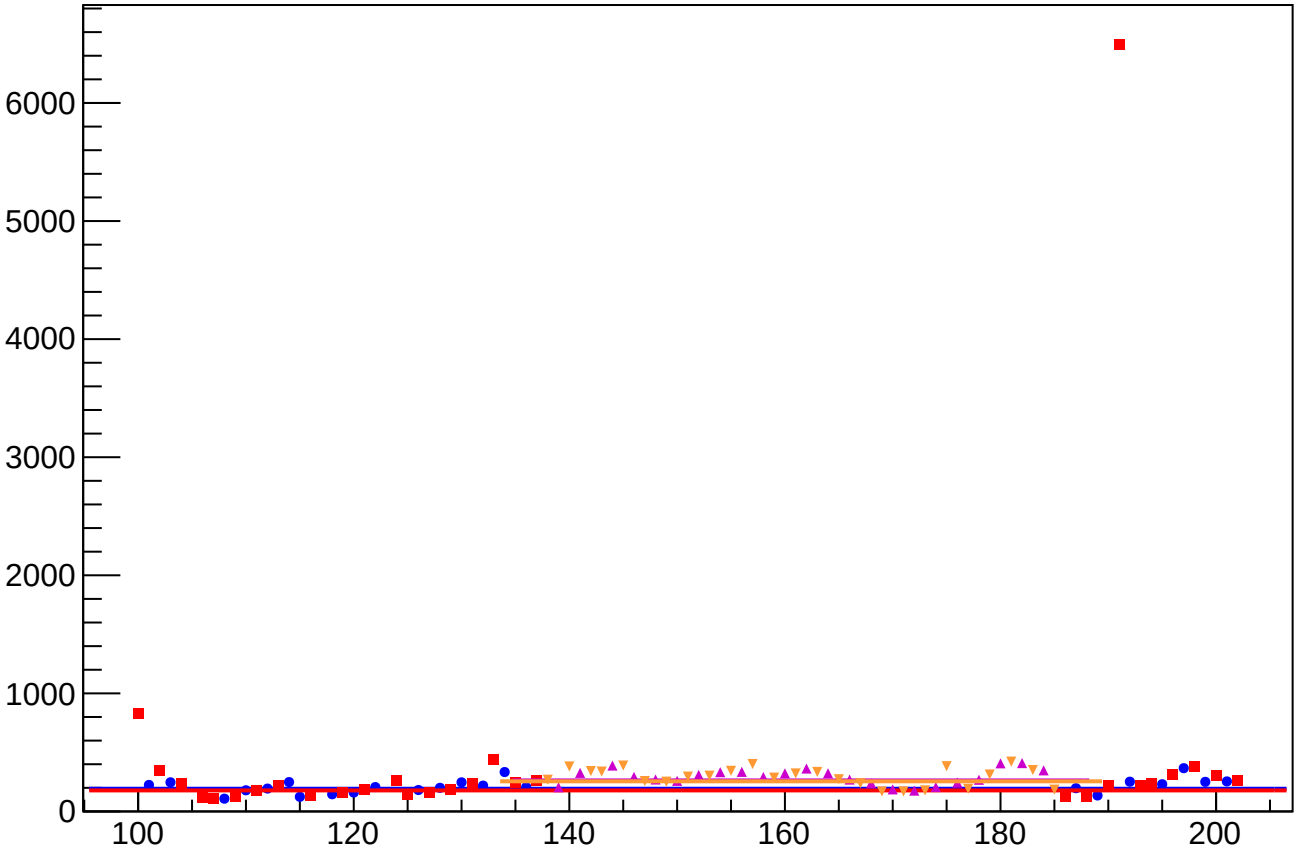
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.027+/-0.043 χ^2/NDF: 44.5/47

All: 0.021+/-0.029 χ^2/NDF: 103.8/99

- sign 0.016+/-0.041 χ^2/NDF: 59.3/51

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.230+/-0.041 χ^2/NDF: 1823904.5/22

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

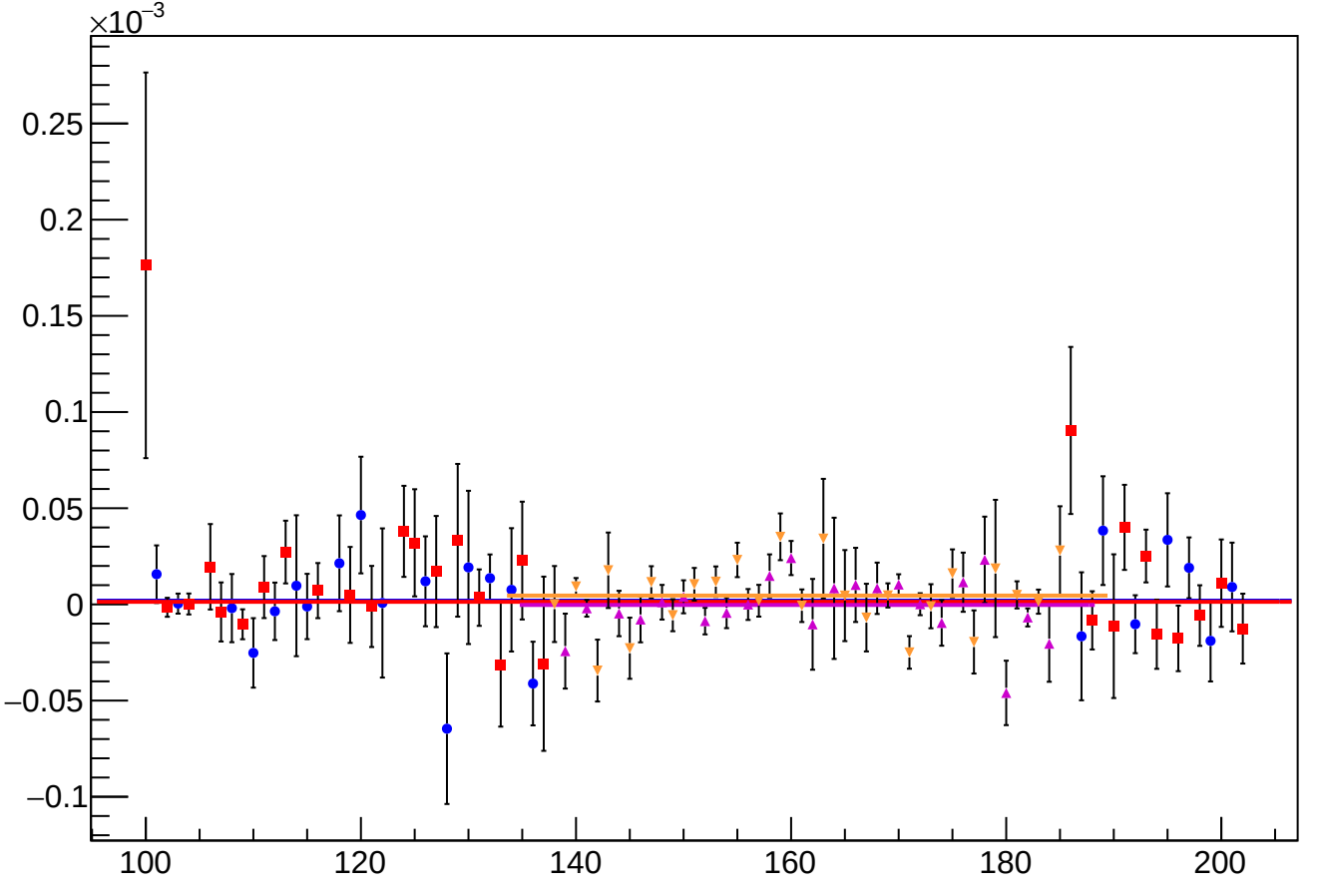
Right Out: 178.243+/-0.037 χ^2/NDF: 3492817.3/28

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 221.969+/-0.030 χ^2/NDF: 5858505.7/47

All: 216.467+/-0.021 χ^2/NDF: 13503418.1/99

- sign 211.433+/-0.029 χ^2/NDF: 7580734.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

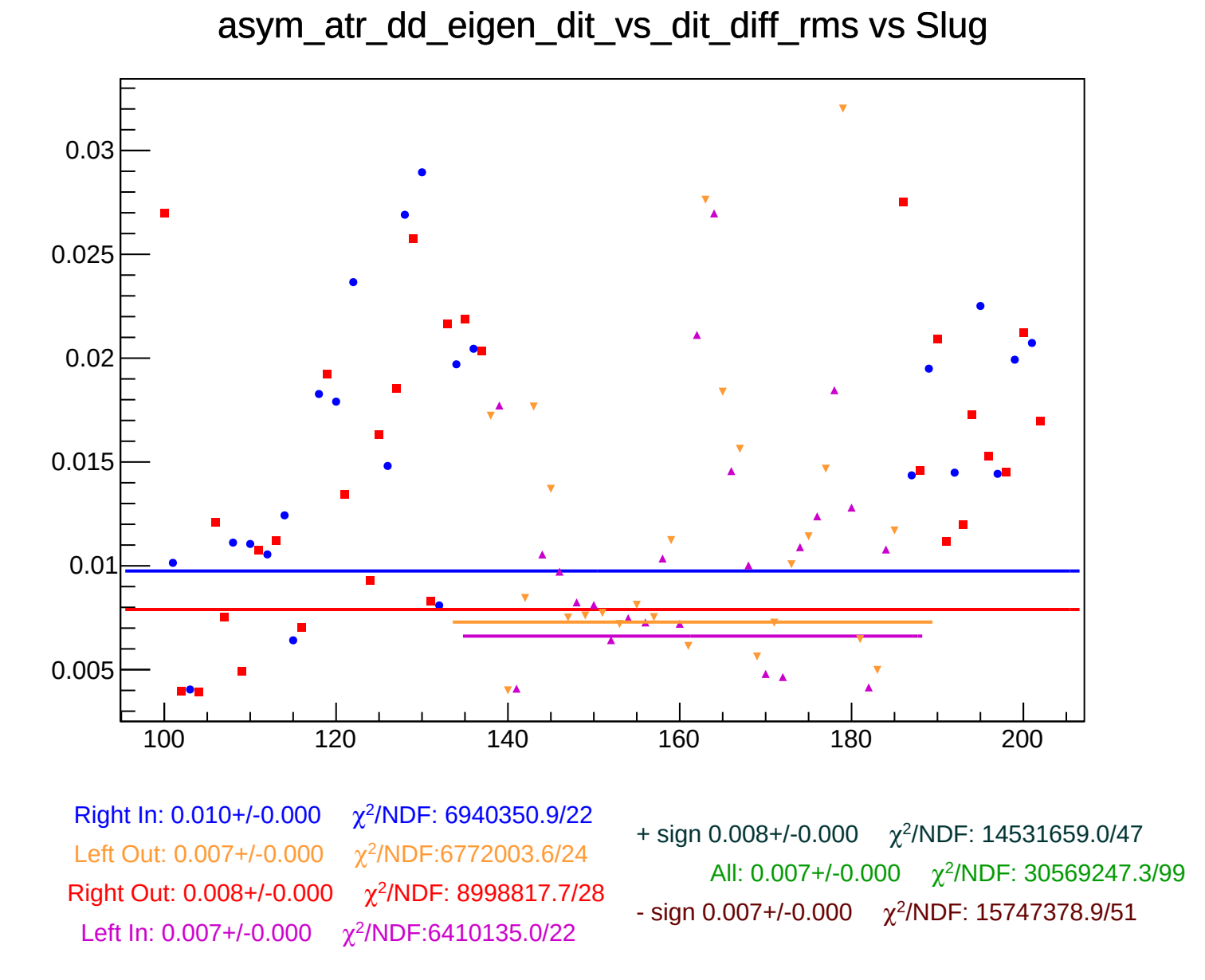
Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/28

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

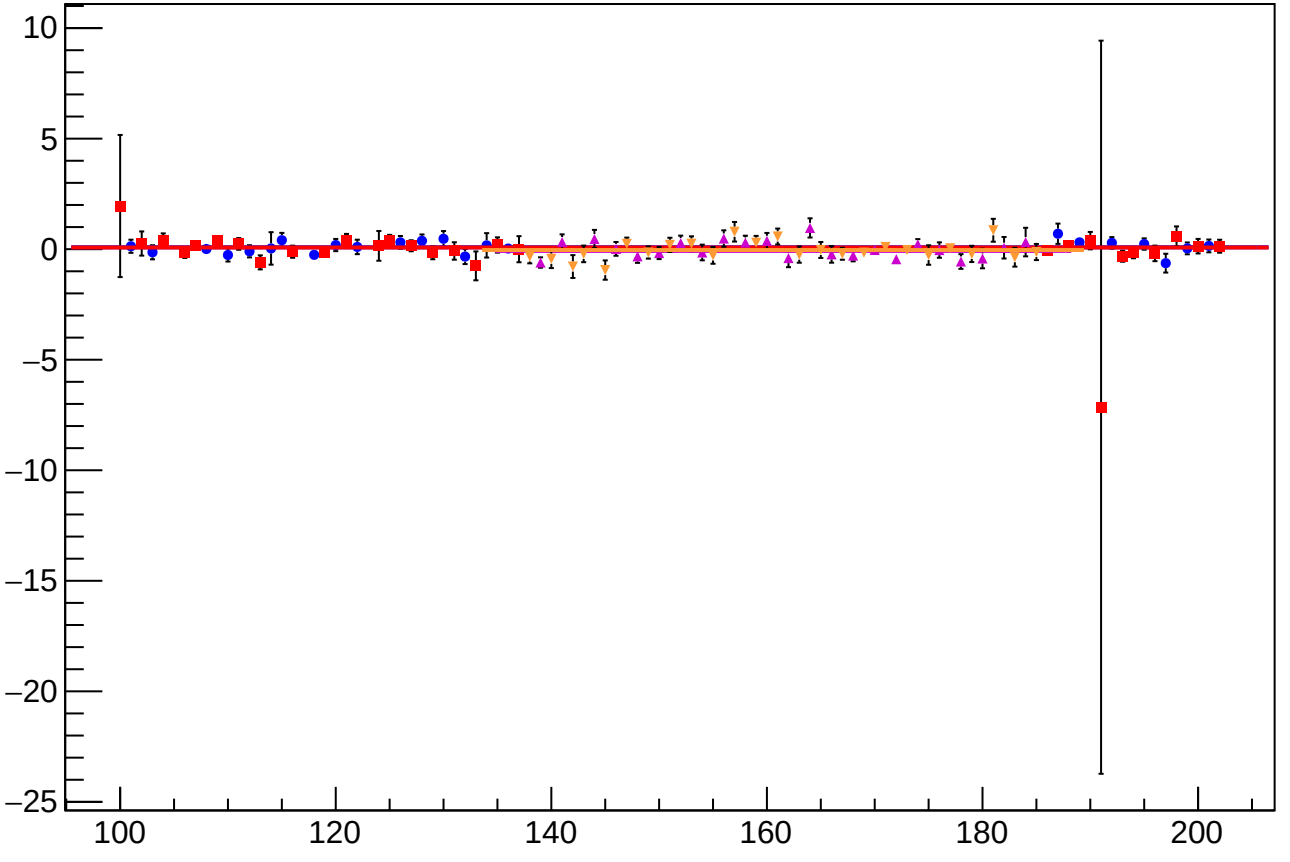
+ sign 0.000+/-0.000 χ^2/NDF: 64.8/47

All: 0.000+/-0.000 χ^2/NDF: 129.0/99

- sign 0.000+/-0.000 χ^2/NDF: 61.4/51


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.010+/-0.000 χ²/NDF: 6940350.9/22
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 8998817.7/28
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.008+/-0.000 χ²/NDF: 14531659.0/47
All: 0.007+/-0.000 χ²/NDF: 30569247.3/99
- sign 0.007+/-0.000 χ²/NDF: 15747378.9/51

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.086+/-0.058 χ^2/NDF: 18.0/22

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.076+/-0.052 χ^2/NDF: 24.8/28

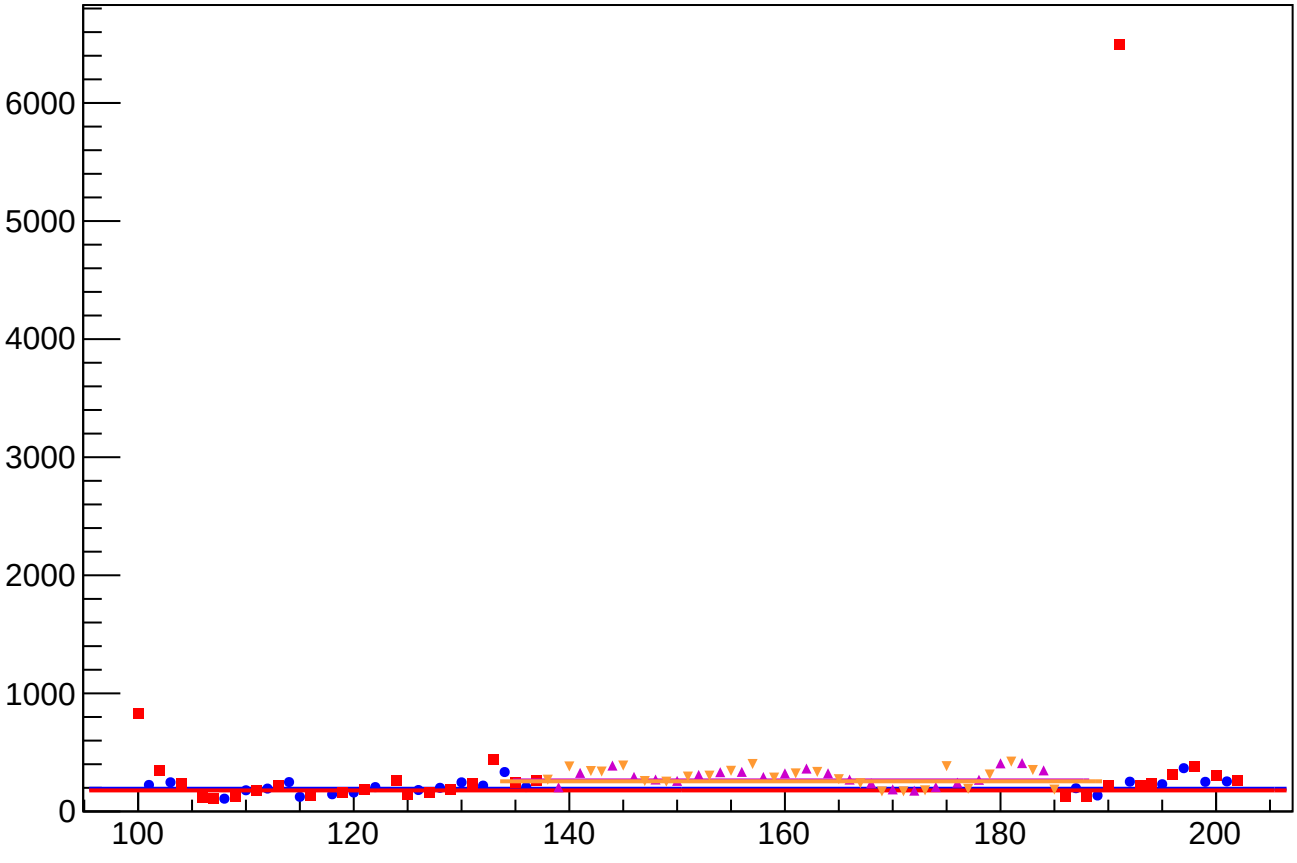
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.027+/-0.043 χ^2/NDF: 44.5/47

All: 0.021+/-0.029 χ^2/NDF: 103.8/99

- sign 0.016+/-0.041 χ^2/NDF: 59.3/51

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 192.229+/-0.041 χ^2/NDF: 1823904.0/22

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 178.244+/-0.037 χ^2/NDF: 3492771.3/28

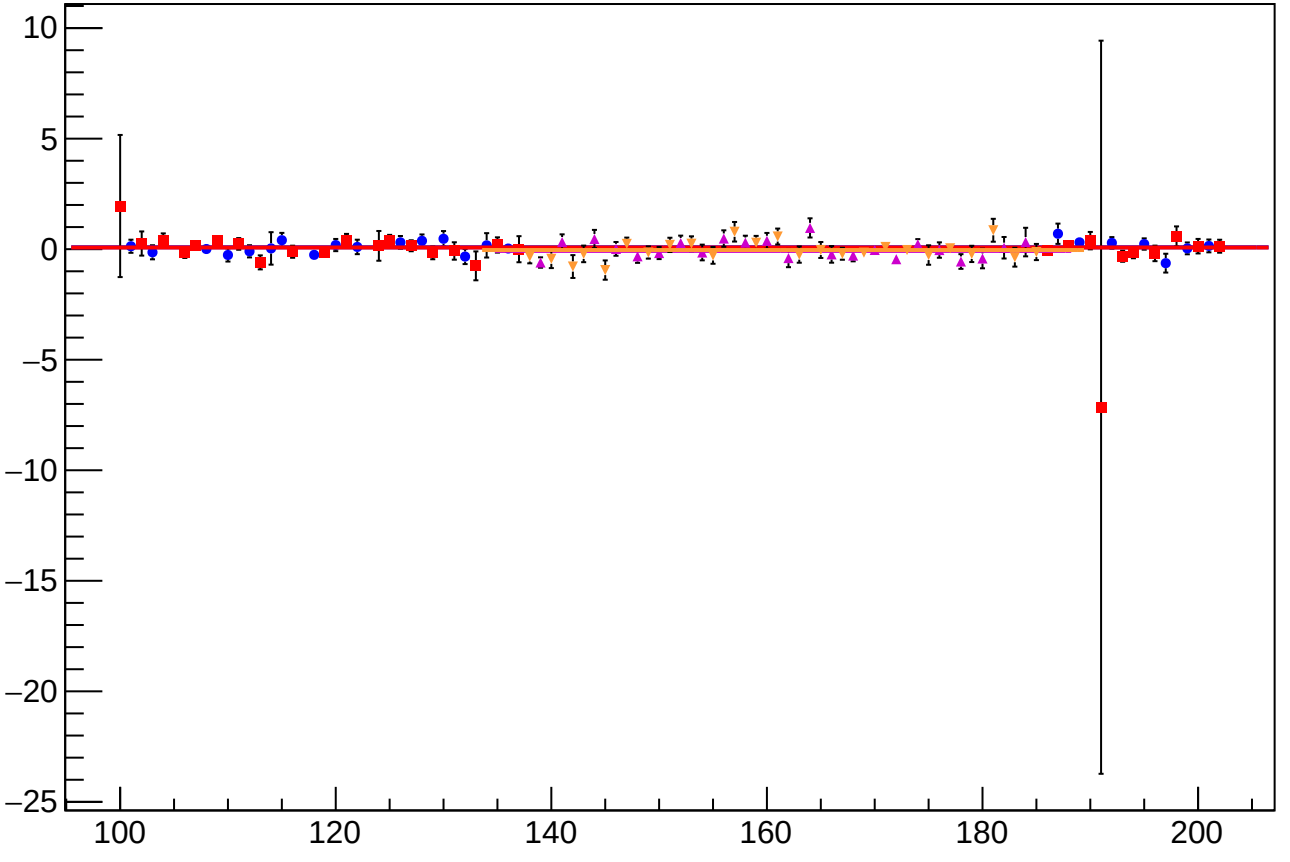
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 221.969+/-0.030 χ^2/NDF: 5858676.3/47

All: 216.468+/-0.021 χ^2/NDF: 13503584.7/99

- sign 211.435+/-0.029 χ^2/NDF: 7580746.4/51

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.086+/-0.058 χ^2/NDF: 18.0/22

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.076+/-0.052 χ^2/NDF: 24.8/28

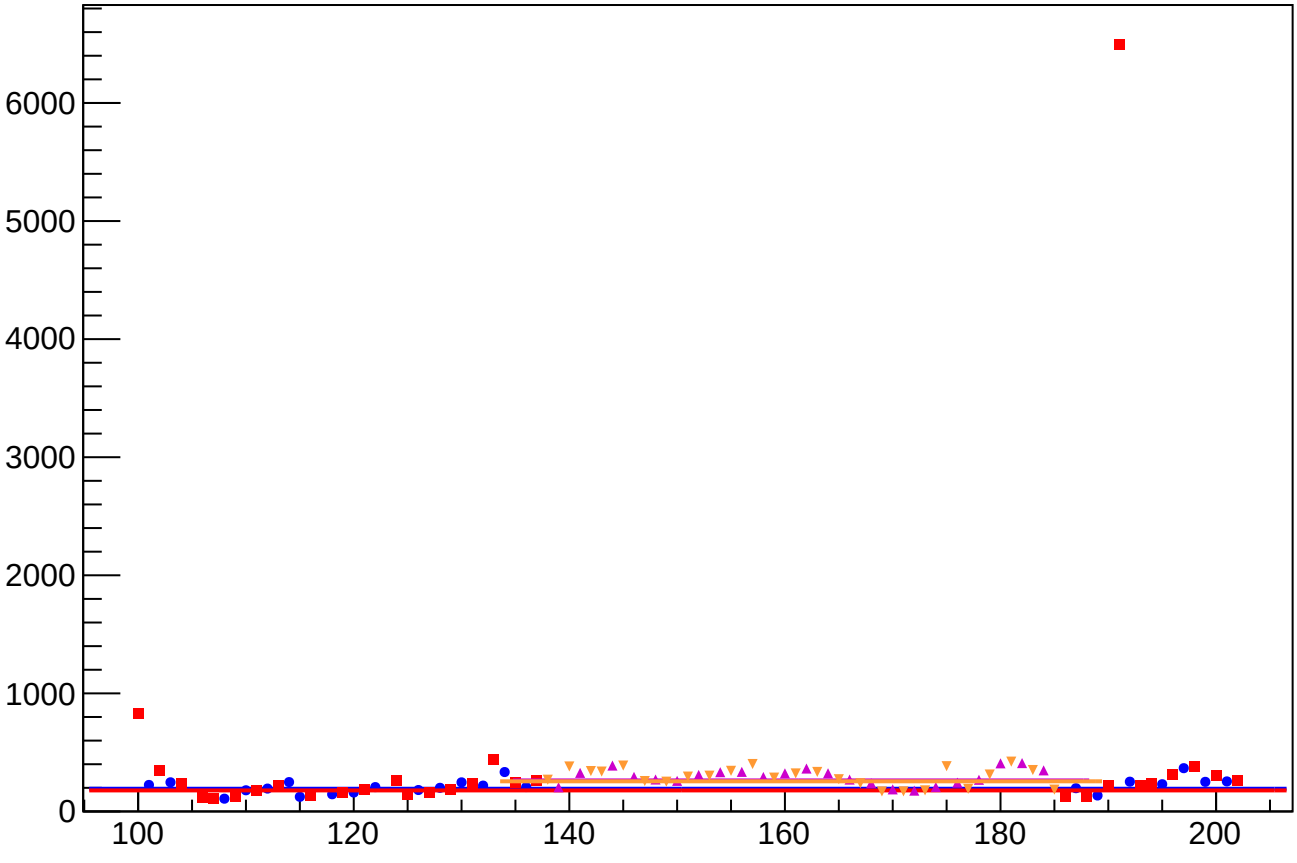
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.027+/-0.043 χ^2/NDF: 44.5/47

All: 0.021+/-0.029 χ^2/NDF: 103.8/99

- sign 0.016+/-0.041 χ^2/NDF: 59.3/51

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.229+/-0.041 χ^2/NDF: 1823904.0/22

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

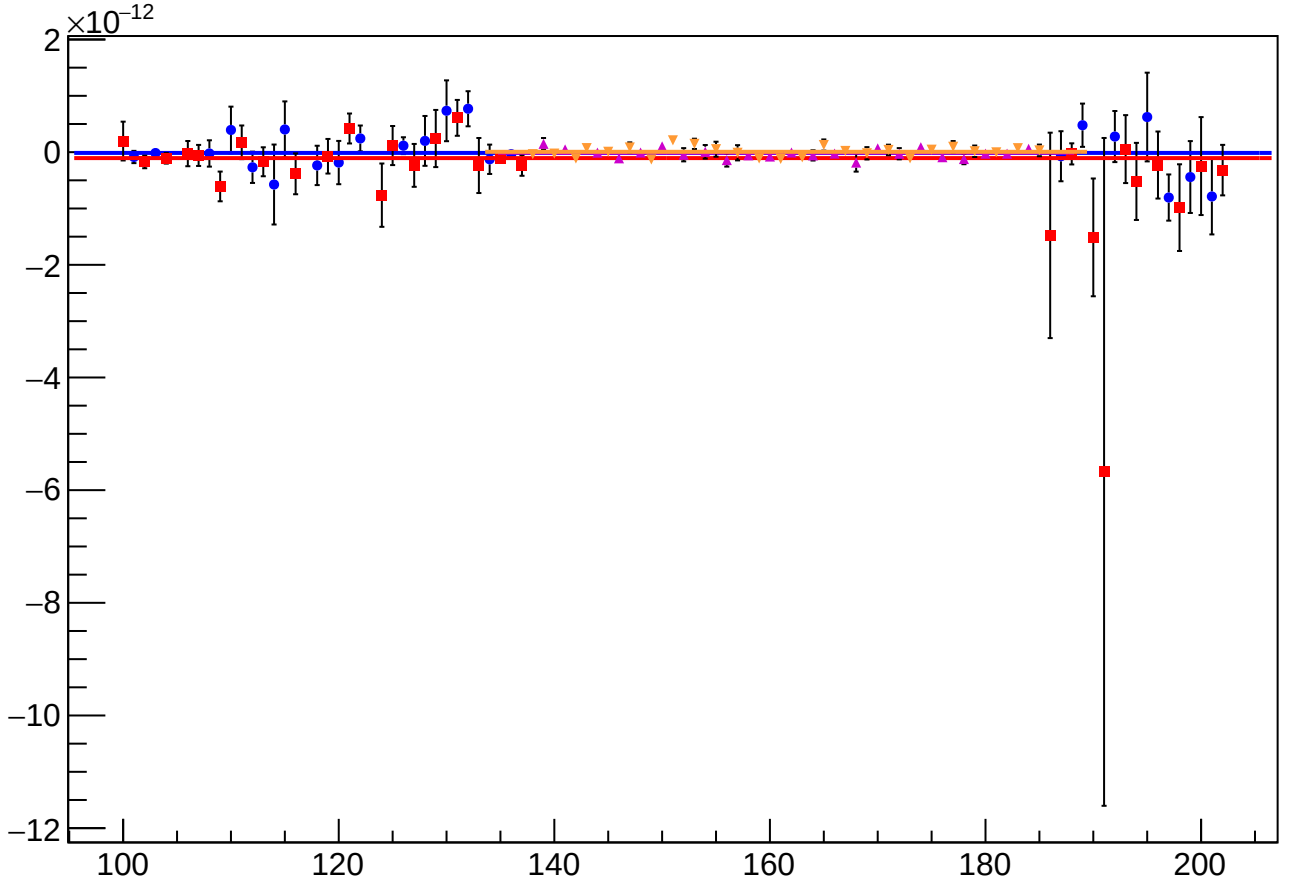
Right Out: 178.244+/-0.037 χ^2/NDF: 3492771.3/28

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 221.969+/-0.030 χ^2/NDF: 5858676.3/47

All: 216.468+/-0.021 χ^2/NDF: 13503584.7/99

- sign 211.435+/-0.029 χ^2/NDF: 7580746.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

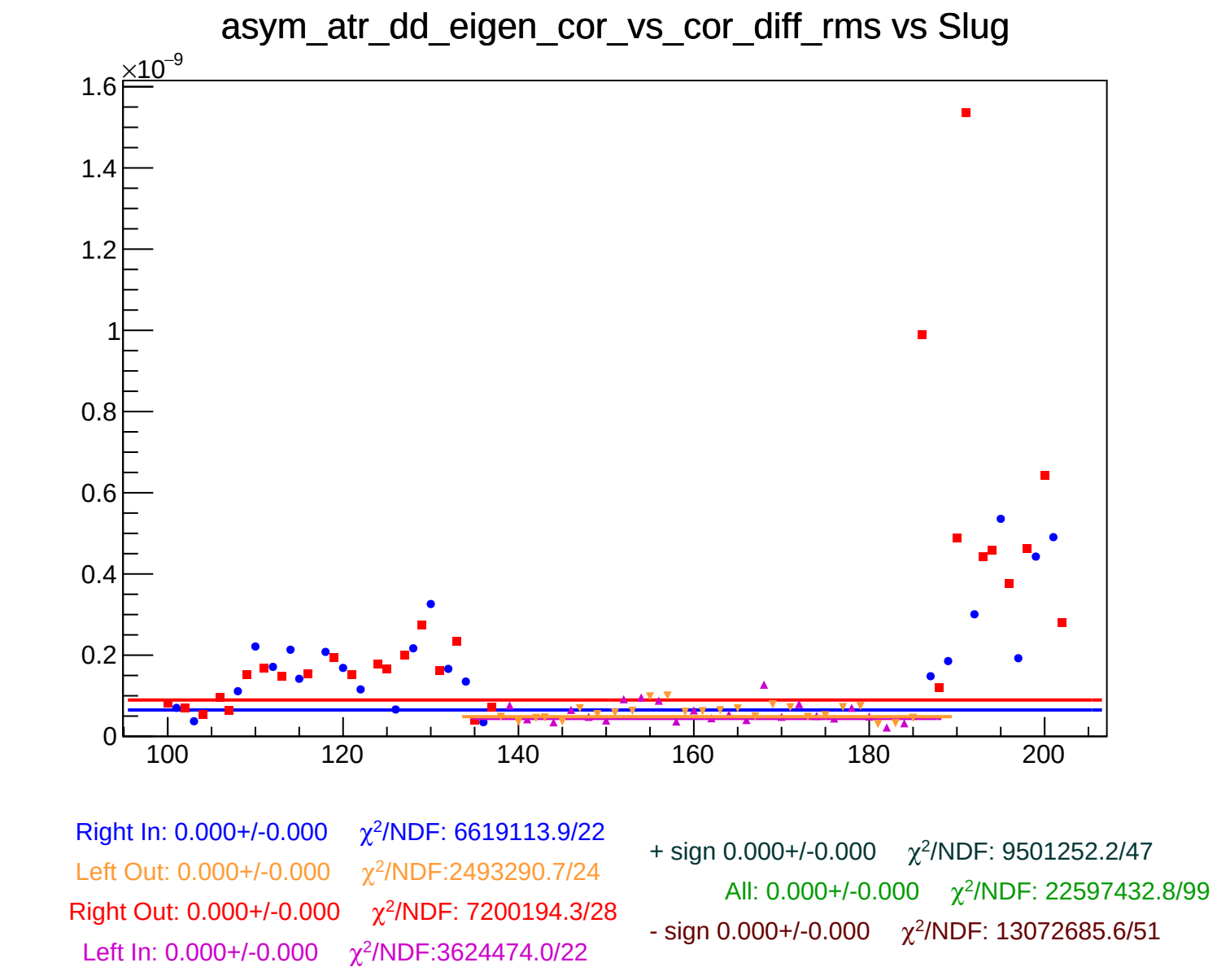
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/28

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

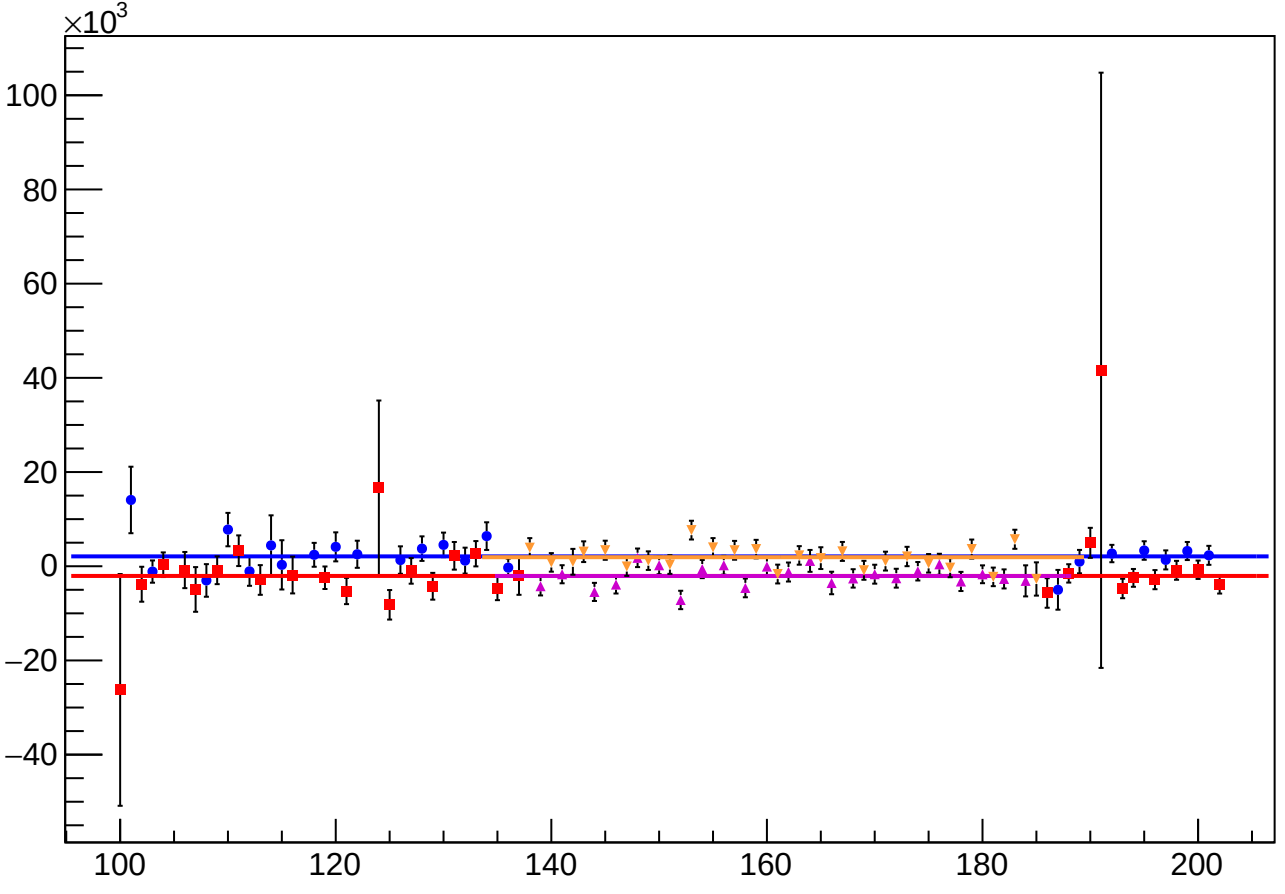
+ sign 0.000+/-0.000 χ^2/NDF: 54.0/47

All: -0.000+/-0.000 χ^2/NDF: 105.7/99

- sign -0.000+/-0.000 χ^2/NDF: 50.3/51


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6619113.9/22
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7200194.3/28
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
+ sign 0.000+/-0.000 χ²/NDF: 9501252.2/47
All: 0.000+/-0.000 χ²/NDF: 22597432.8/99
- sign 0.000+/-0.000 χ²/NDF: 13072685.6/51

reg_asym_at1_avg_mean vs Slug



Right In: 2094.787+/-544.075 χ^2/NDF: 20.5/22

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2059.514+/-510.102 χ^2/NDF: 28.9/28

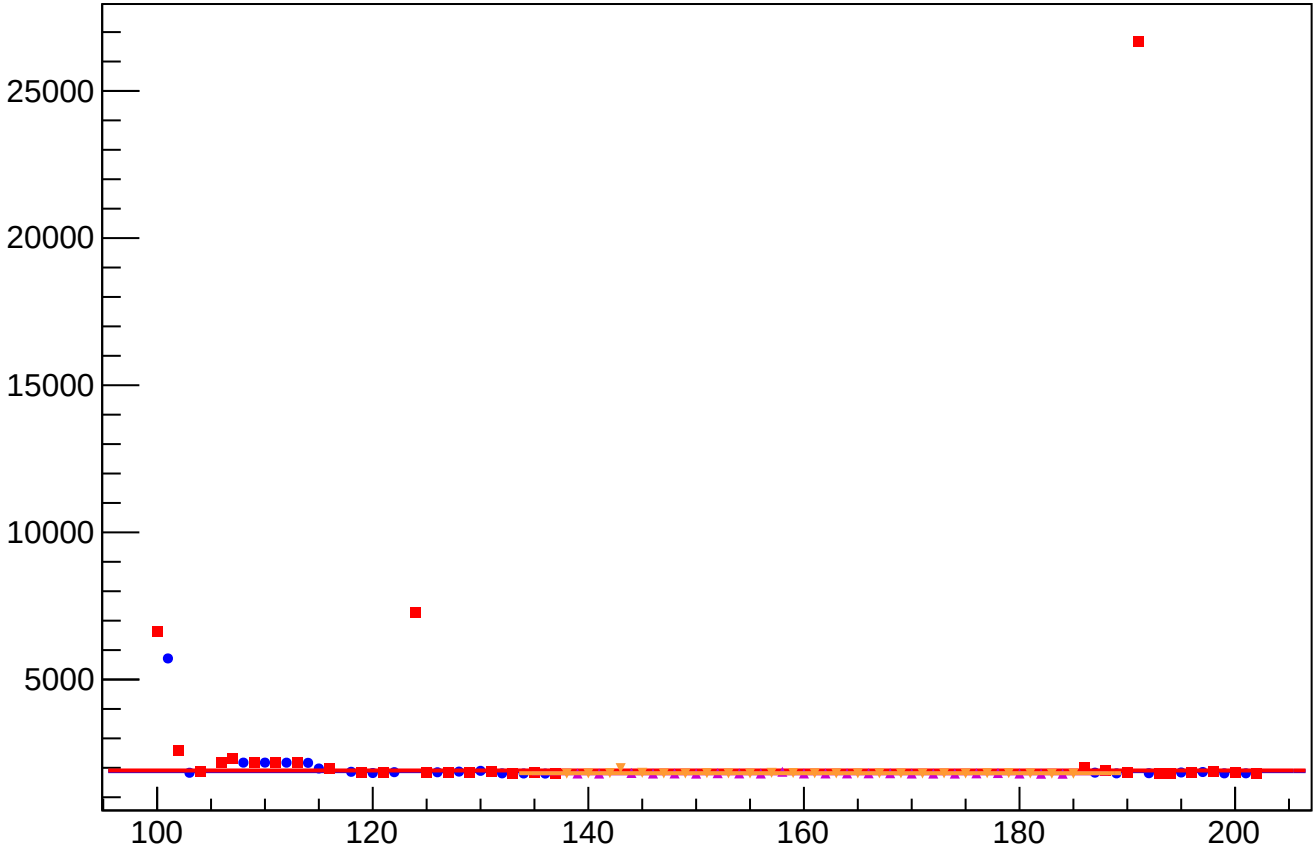
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1984.275+/-328.916 χ^2/NDF: 53.1/47

All: -61.860+/-231.435 χ^2/NDF: 185.1/99

- sign -2068.216+/-325.703 χ^2/NDF: 55.4/51

reg_asym_at1_avg_rms vs Slug



Right In: 1886.772+/-0.385 χ^2/NDF: 659712.4/22

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1909.613+/-0.361 χ^2/NDF: 727157.7/28

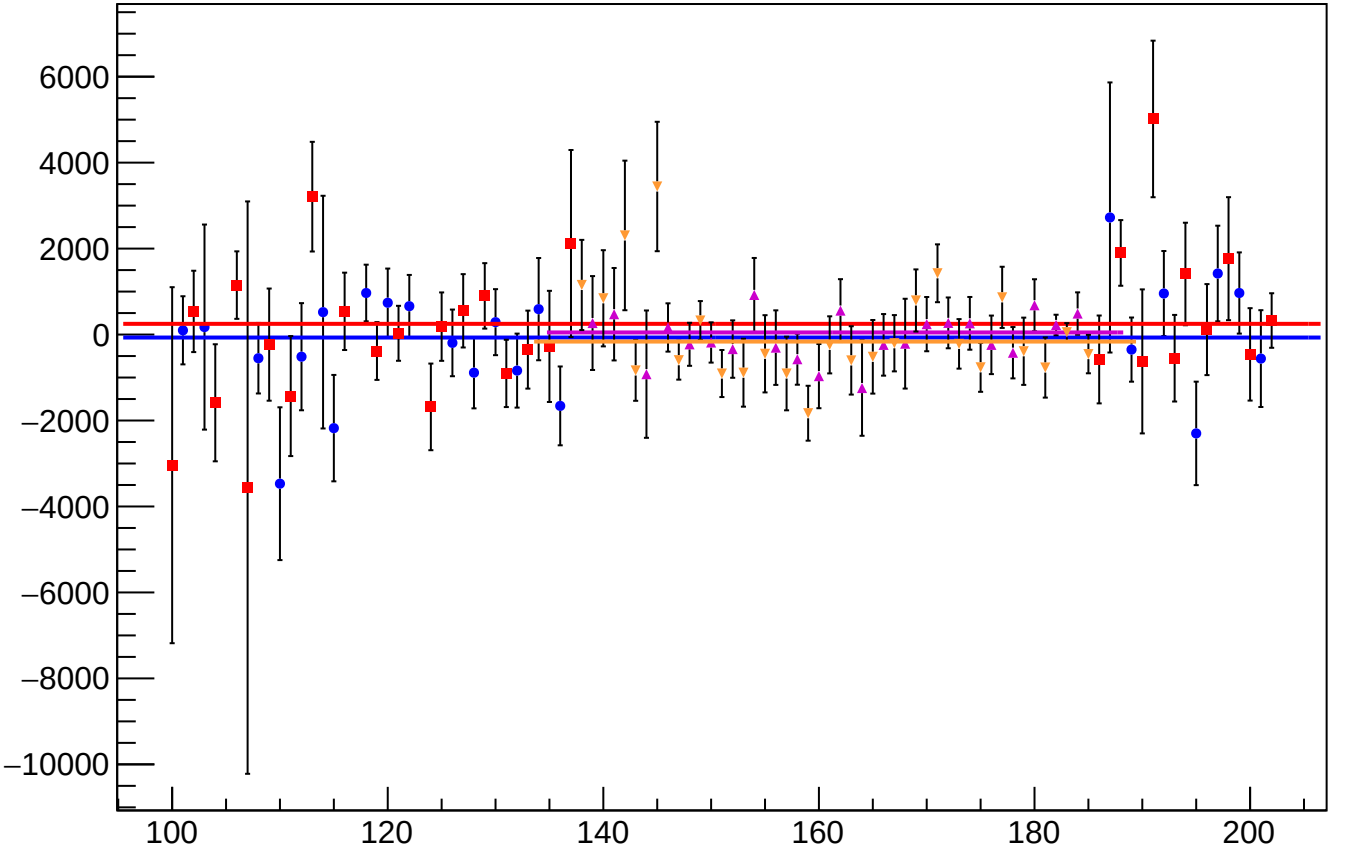
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.832+/-0.233 χ^2/NDF: 693225.6/47

All: 1847.521+/-0.164 χ^2/NDF: 1466097.5/99

- sign 1852.119+/-0.230 χ^2/NDF: 772067.0/51

asym_at1_avg_reg_correction_mean vs Slug



Right In: -69.355+/-199.364 χ^2/NDF: 25.6/22

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 249.224+/-182.474 χ^2/NDF: 35.9/28

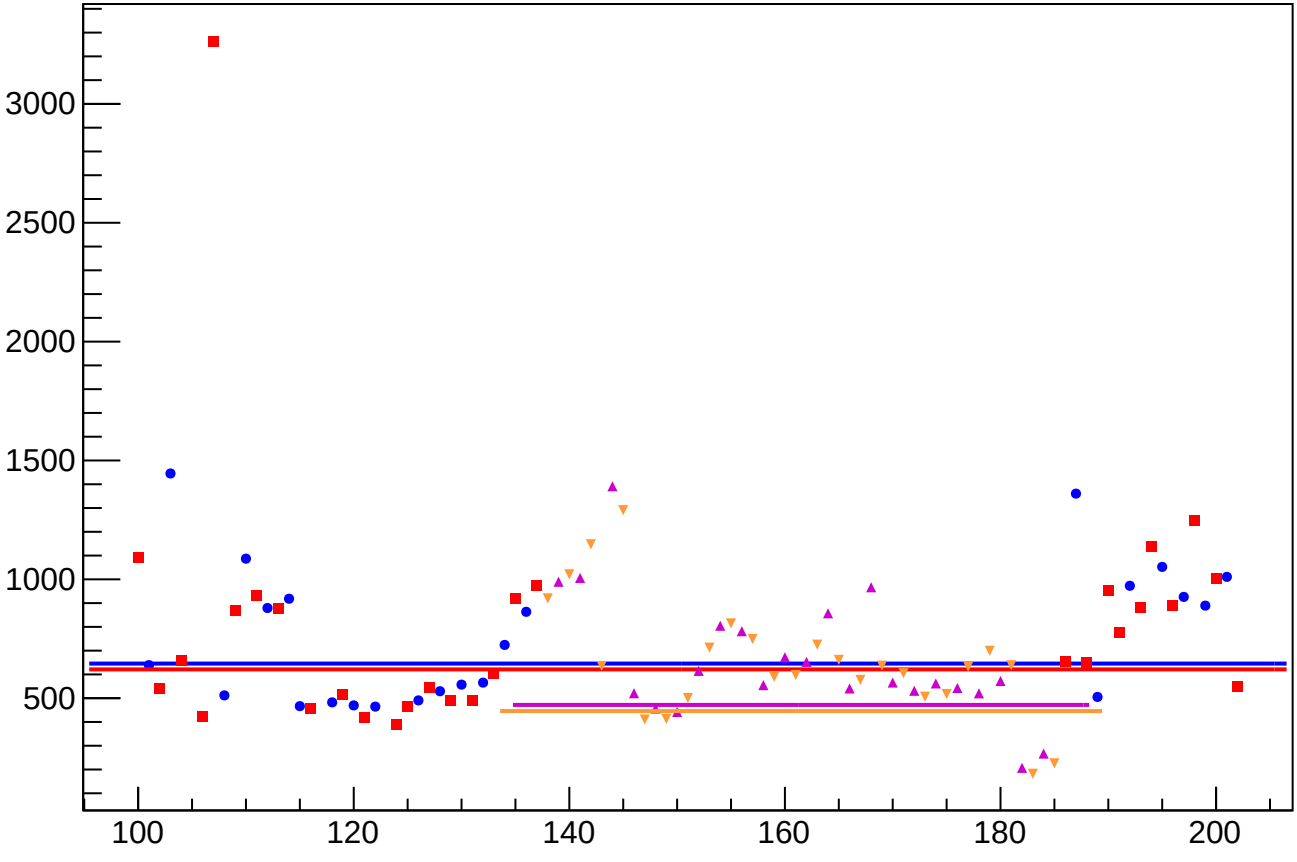
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -139.527+/-99.807 χ^2/NDF: 62.6/47

All: -16.496+/-71.274 χ^2/NDF: 113.8/99

- sign 111.537+/-101.816 χ^2/NDF: 48.1/51

asym_at1_avg_reg_correction_rms vs Slug



Right In: 645.594+/-0.141 χ^2/NDF: 2254634.9/22

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 621.152+/-0.129 χ^2/NDF: 2916304.0/28

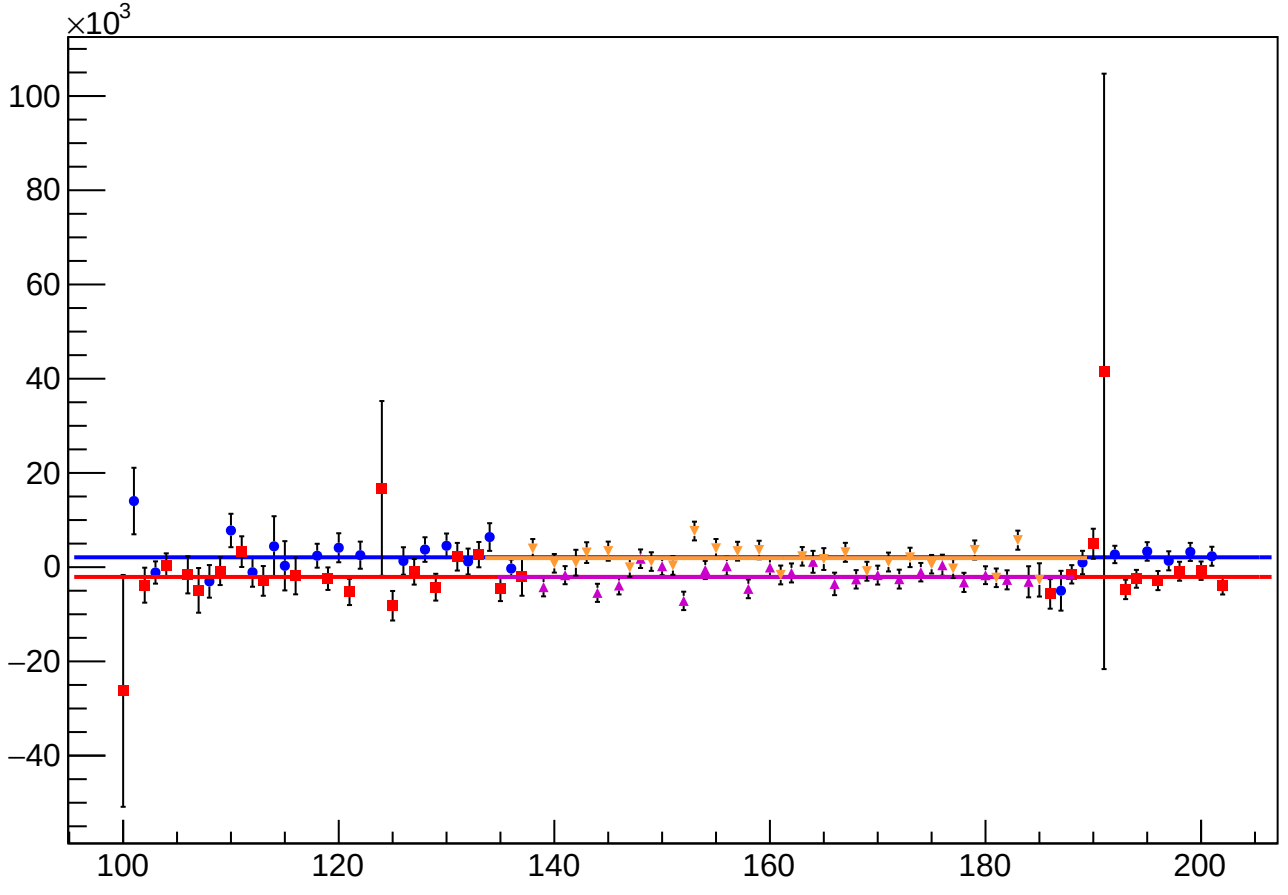
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 495.943+/-0.071 χ^2/NDF: 11740900.9/47

All: 506.880+/-0.050 χ^2/NDF: 22043487.7/99

- sign 518.262+/-0.072 χ^2/NDF: 10253579.4/51

cor_asym_at1_avg_mean vs Slug



Right In: 2094.692+/-544.075 χ^2/NDF: 20.5/22

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2074.494+/-510.317 χ^2/NDF: 28.8/28

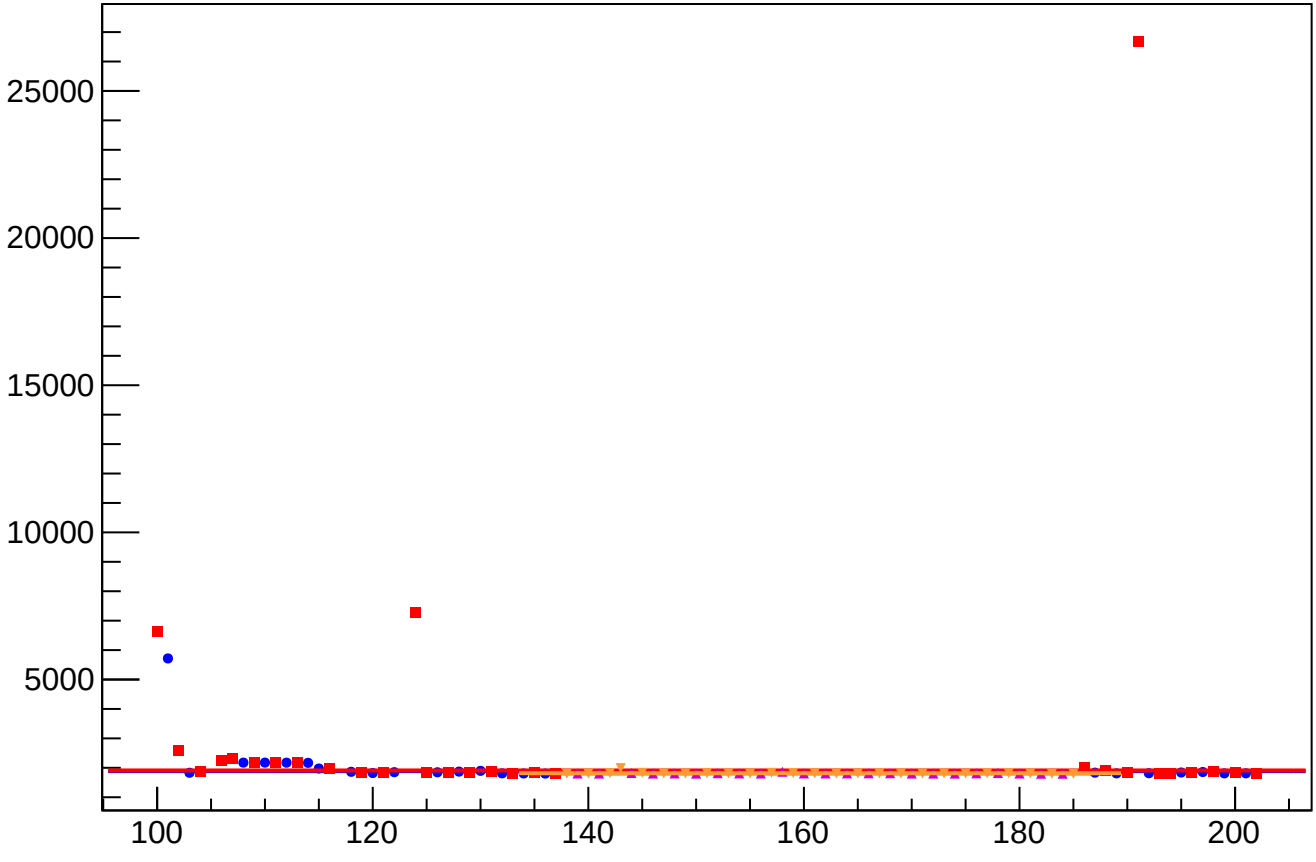
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1984.218+/-328.916 χ^2/NDF: 53.1/47

All: -64.653+/-231.455 χ^2/NDF: 185.2/99

- sign -2074.383+/-325.759 χ^2/NDF: 55.3/51

cor_asym_at1_avg_rms vs Slug



Right In: 1886.772+/-0.385 χ^2/NDF: 659712.4/22

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

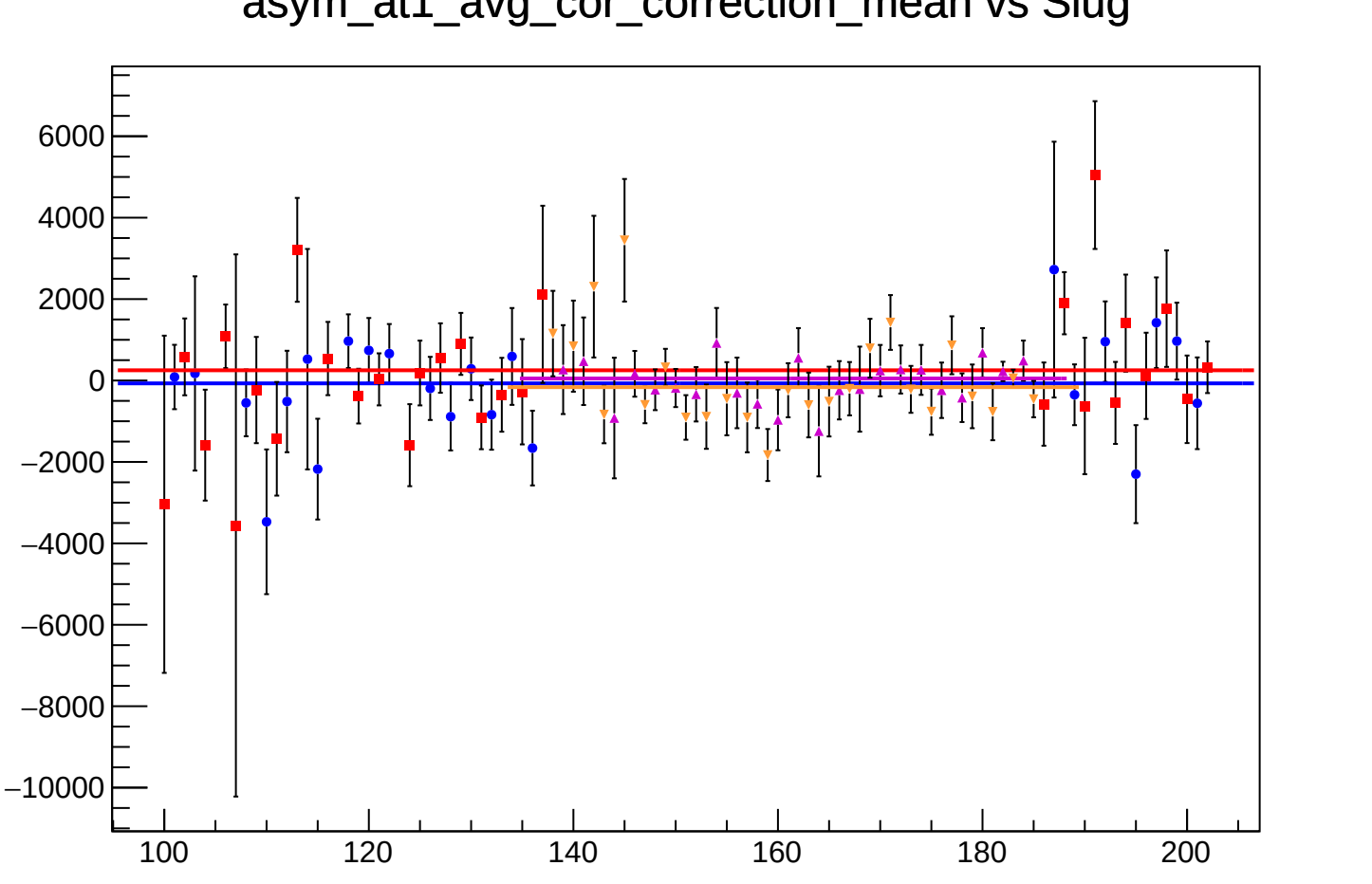
Right Out: 1910.228+/-0.361 χ^2/NDF: 730677.5/28

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

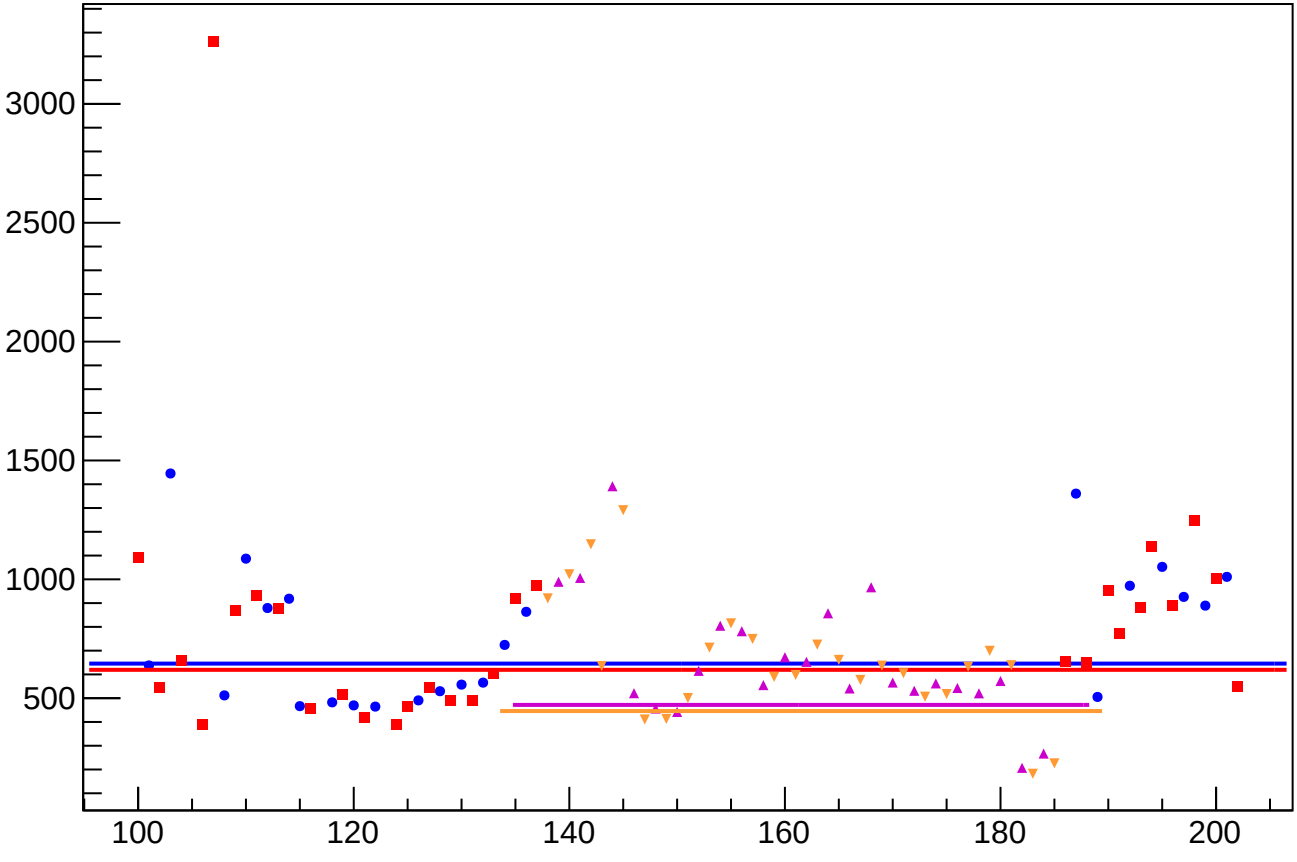
+ sign 1842.832+/-0.233 χ^2/NDF: 693225.5/47

All: 1847.637+/-0.164 χ^2/NDF: 1470180.9/99

- sign 1852.350+/-0.230 χ^2/NDF: 776110.1/51


asym_at1_avg_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: -69.959+/-199.333 χ²/NDF: 25.6/22
Left Out: -162.911+/-115.291 χ²/NDF:36.9/24
Right Out: 251.500+/-182.391 χ²/NDF: 35.6/28
Left In: 49.310+/-122.694 χ²/NDF:11.3/22
+ sign -139.611+/-99.801 χ²/NDF: 62.6/47
All: -16.157+/-71.267 χ²/NDF: 113.5/99
- sign 112.300+/-101.803 χ²/NDF: 47.8/51

asym_at1_avg_cor_correction_rms vs Slug



Right In: 645.505+/-0.141 χ^2/NDF: 2254778.0/22

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

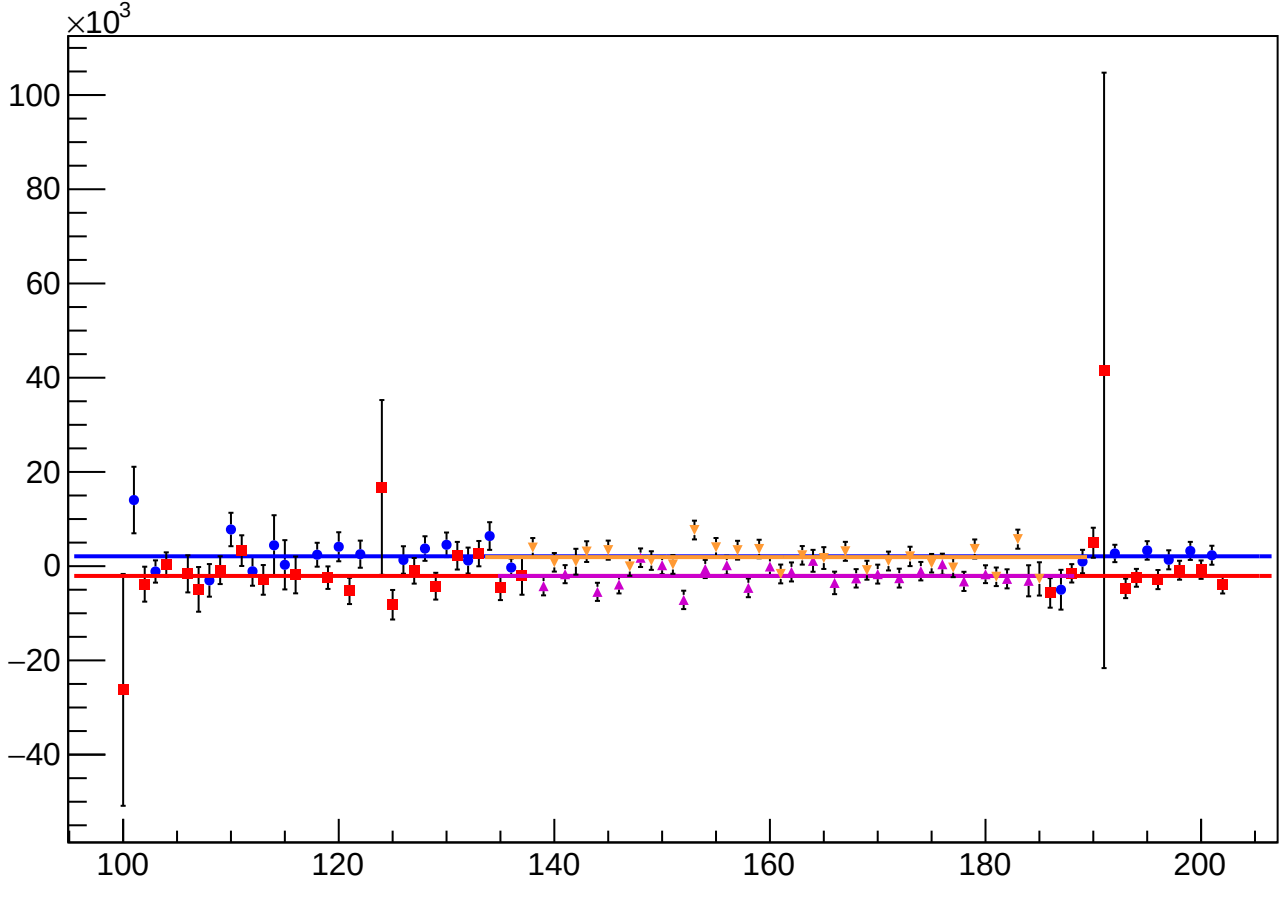
Right Out: 619.320+/-0.129 χ^2/NDF: 2963595.4/28

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 495.911+/-0.071 χ^2/NDF: 11741896.1/47

All: 506.603+/-0.050 χ^2/NDF: 22067293.3/99

- sign 517.729+/-0.072 χ^2/NDF: 10278552.4/51



Right In: 2094.692+/-544.075 χ^2/NDF: 20.5/22

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2074.494+/-510.317 χ^2/NDF: 28.8/28

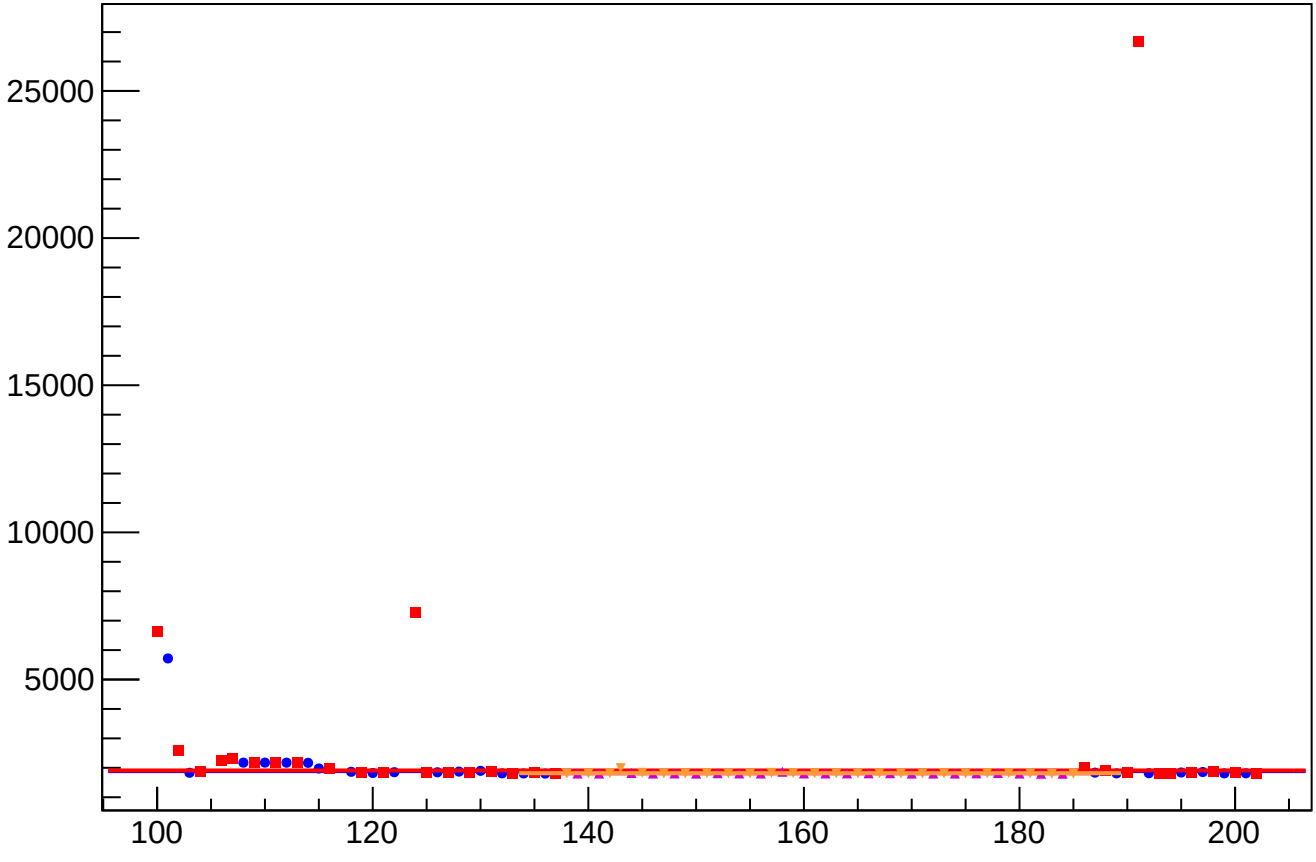
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1984.218+/-328.916 χ^2/NDF: 53.1/47

All: -64.653+/-231.455 χ^2/NDF: 185.2/99

- sign -2074.383+/-325.759 χ^2/NDF: 55.3/51

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1886.772+/-0.385 χ^2/NDF: 659712.4/22

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

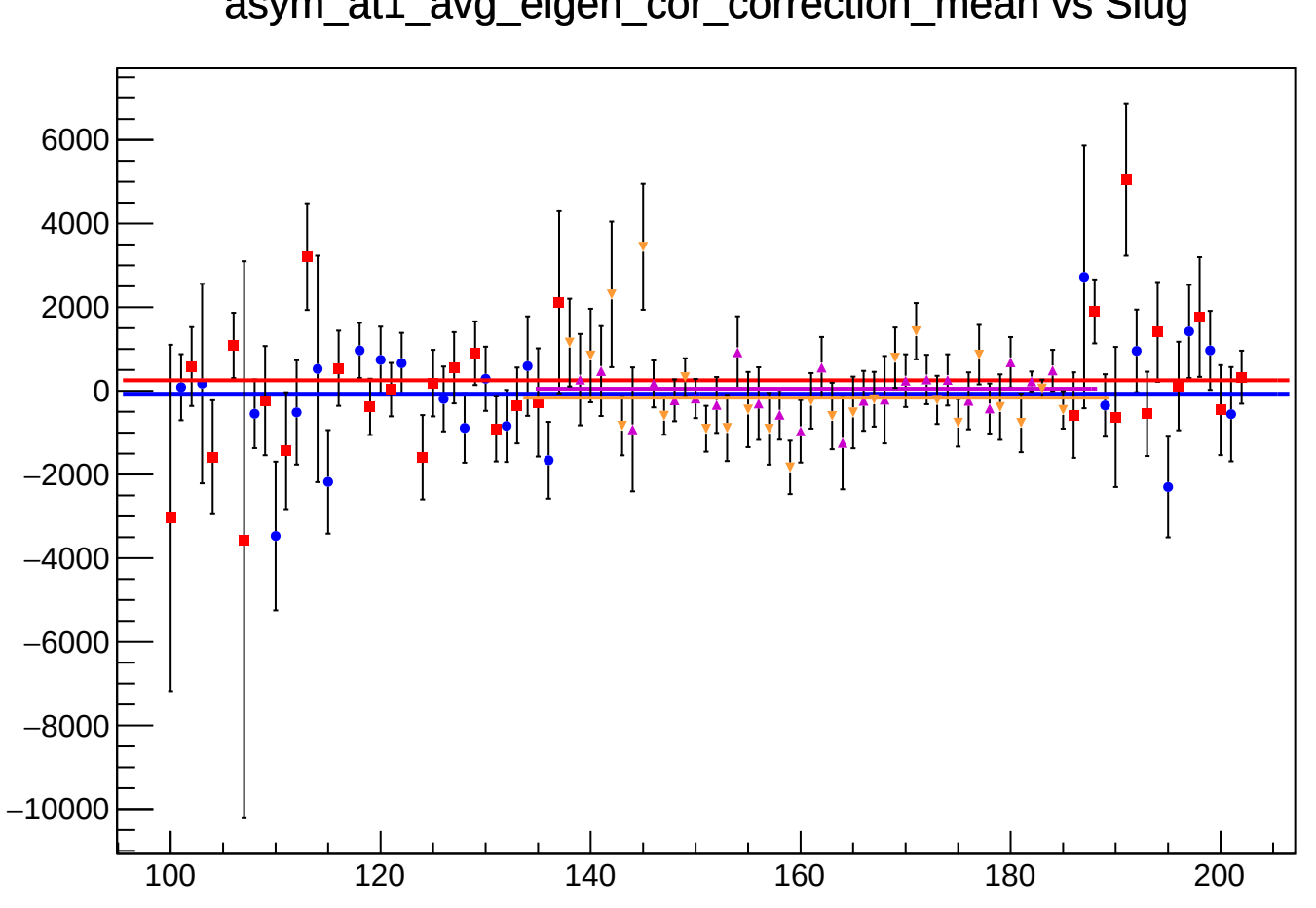
Right Out: 1910.228+/-0.361 χ^2/NDF: 730677.5/28

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.832+/-0.233 χ^2/NDF: 693225.5/47

All: 1847.637+/-0.164 χ^2/NDF: 1470180.9/99

- sign 1852.350+/-0.230 χ^2/NDF: 776110.1/51



Right In: -69.959+/-199.333 χ^2/NDF: 25.6/22

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 251.500+/-182.391 χ^2/NDF: 35.6/28

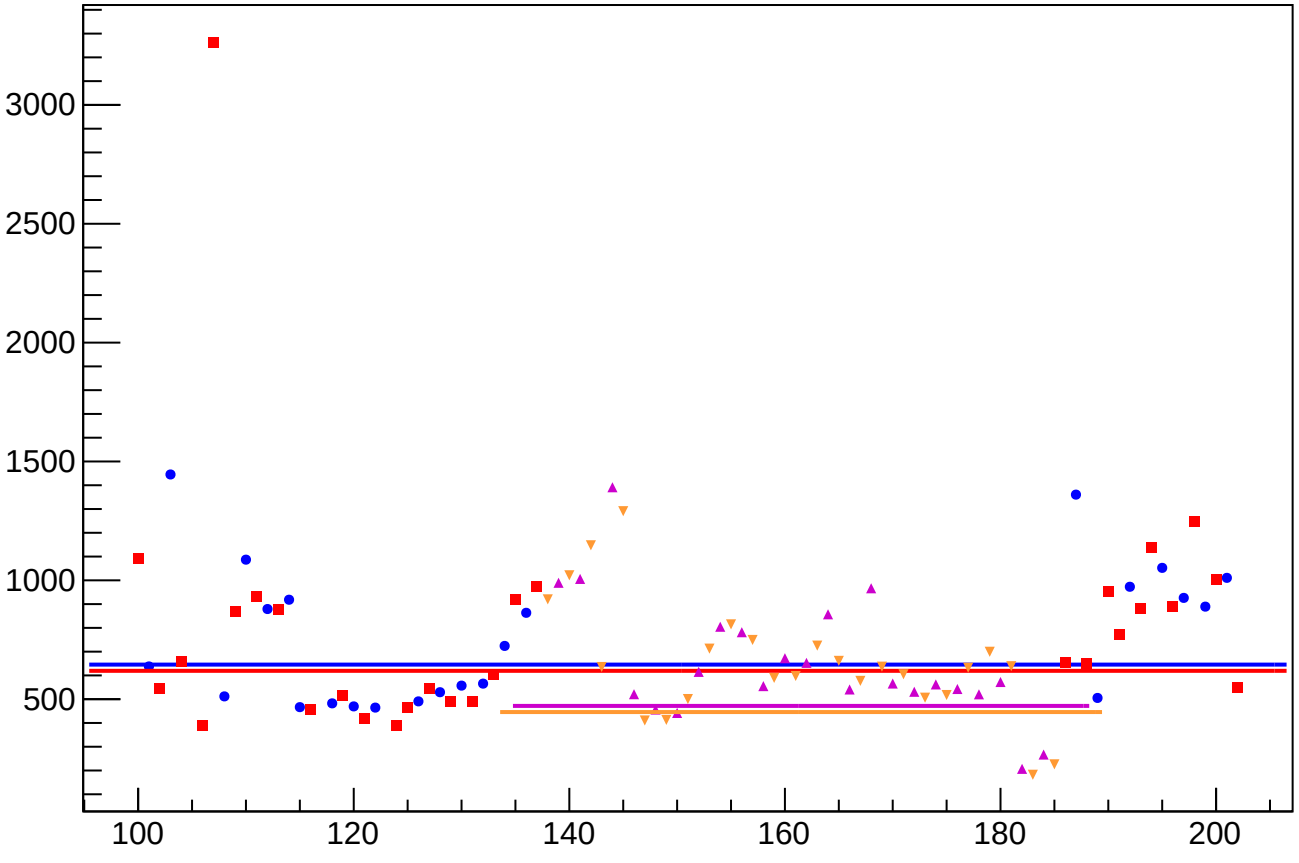
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

\+ sign -139.611+/-99.801 χ^2/NDF: 62.6/47

All: -16.157+/-71.267 χ^2/NDF: 113.5/99

\- sign 112.300+/-101.803 χ^2/NDF: 47.8/51

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 645.505+/-0.141 χ^2/NDF: 2254778.0/22

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

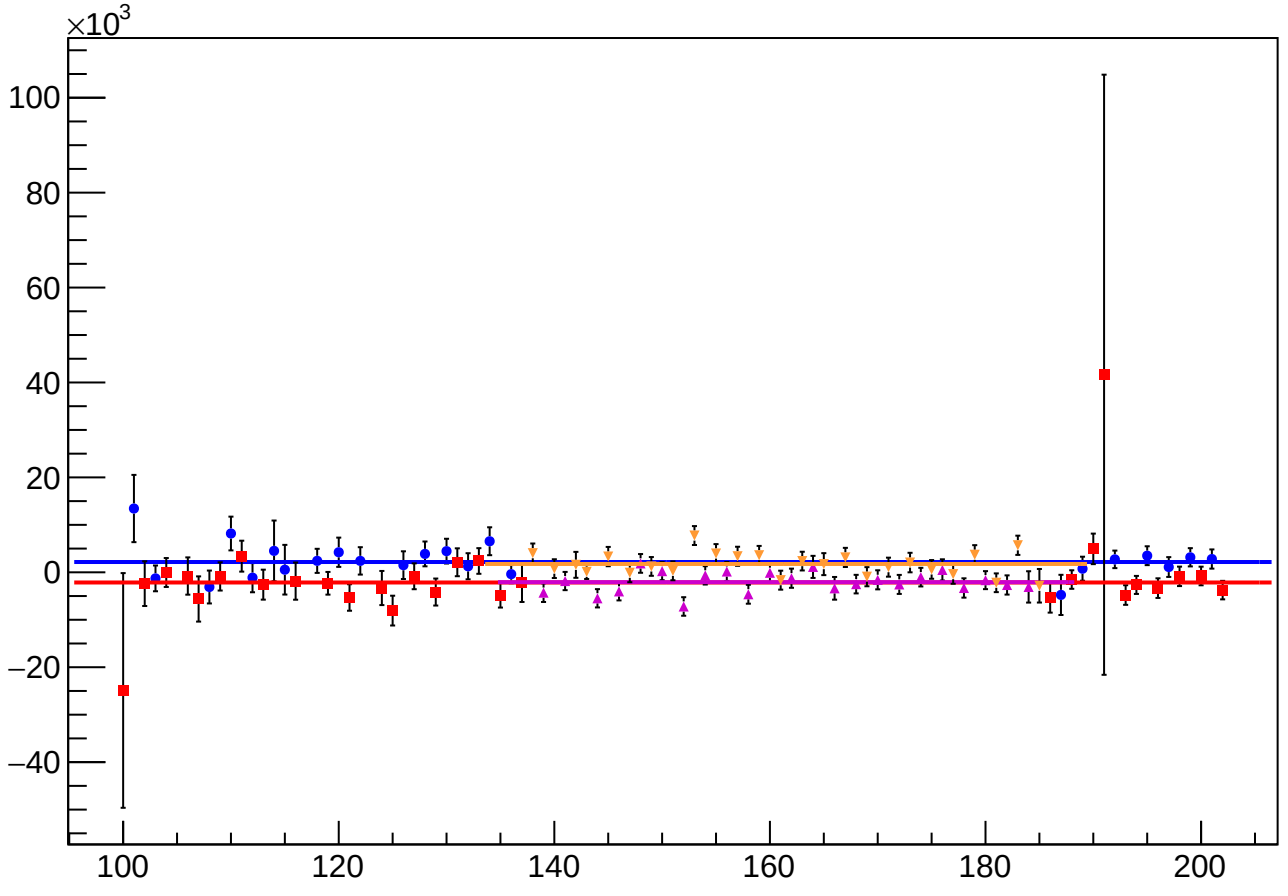
Right Out: 619.320+/-0.129 χ^2/NDF: 2963595.4/28

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 495.911+/-0.071 χ^2/NDF: 11741896.1/47

All: 506.603+/-0.050 χ^2/NDF: 22067293.3/99

- sign 517.729+/-0.072 χ^2/NDF: 10278552.4/51



Right In: 2169.647+/-550.597 χ^2/NDF: 20.7/22

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2145.312+/-512.561 χ^2/NDF: 26.9/28

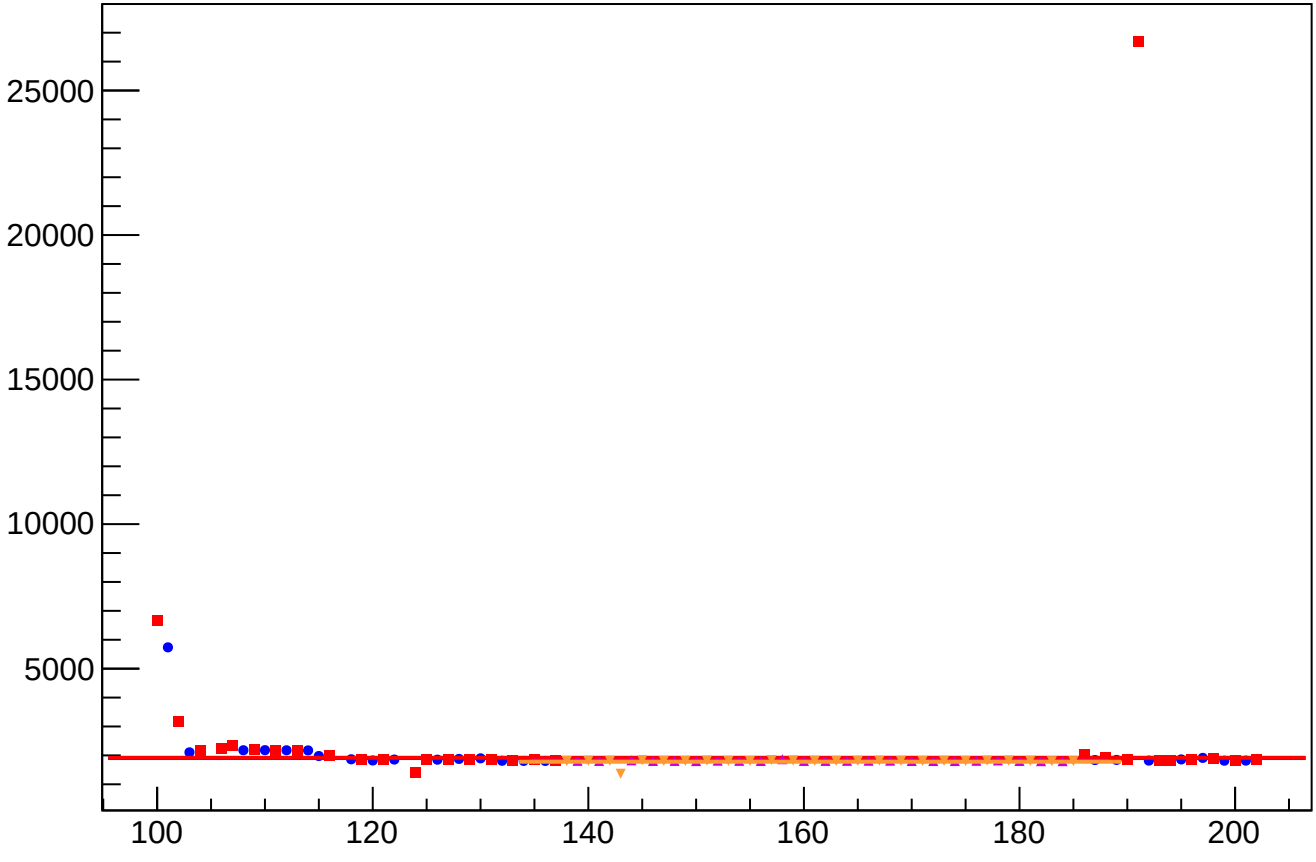
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1901.087+/-326.456 χ^2/NDF: 54.8/47

All: -100.218+/-230.871 χ^2/NDF: 183.9/99

- sign -2102.612+/-326.545 χ^2/NDF: 53.9/51

dit_asym_at1_avg_rms vs Slug



Right In: 1908.799+/-0.389 χ^2/NDF: 667147.1/22

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

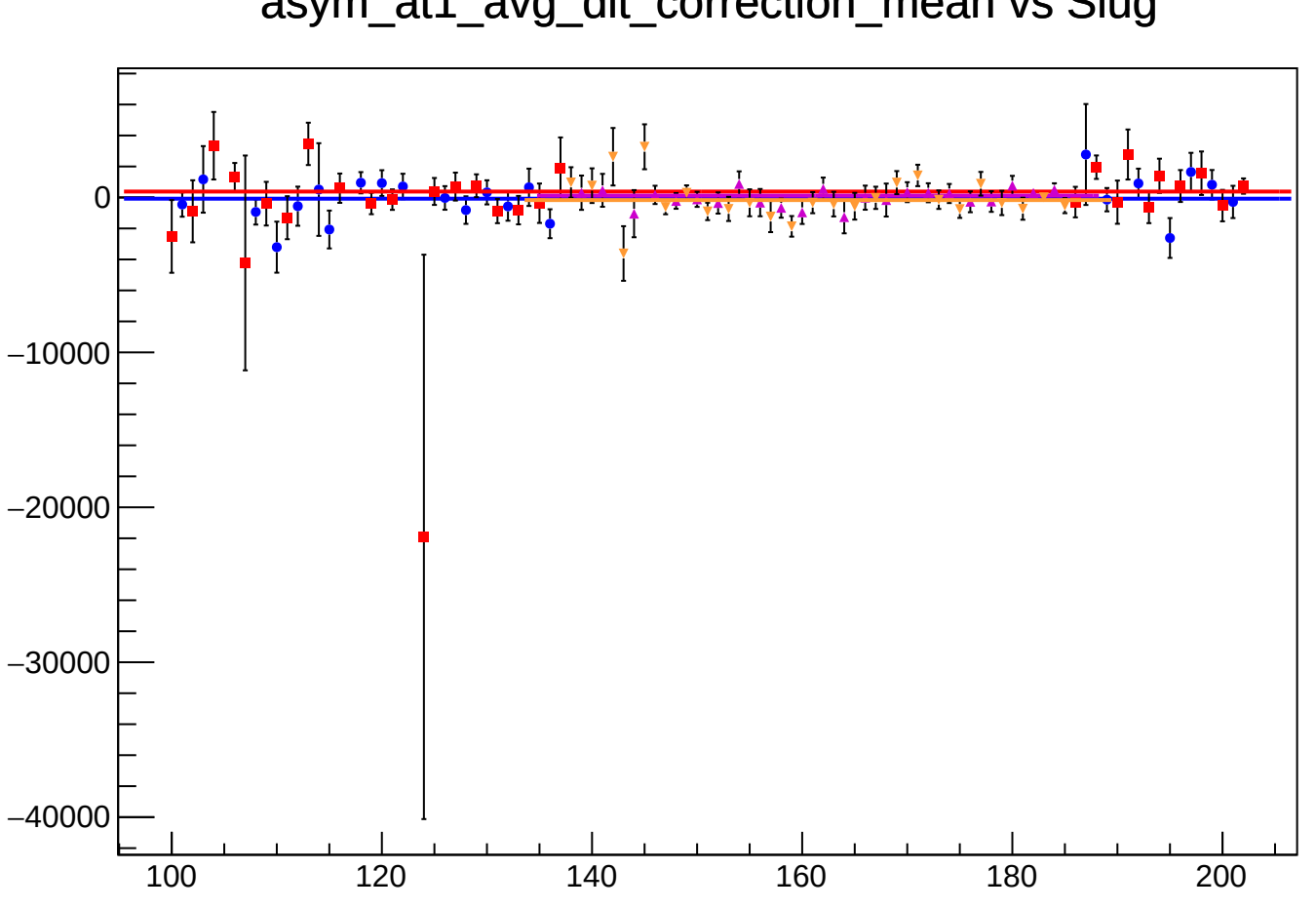
Right Out: 1917.227+/-0.362 χ^2/NDF: 686094.3/28

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1825.871+/-0.231 χ^2/NDF: 902049.9/47

All: 1841.009+/-0.163 χ^2/NDF: 1646632.6/99

- sign 1856.156+/-0.231 χ^2/NDF: 735979.1/51



Right In: -78.655+/-203.863 χ^2/NDF: 26.0/22

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 382.371+/-185.963 χ^2/NDF: 32.2/28

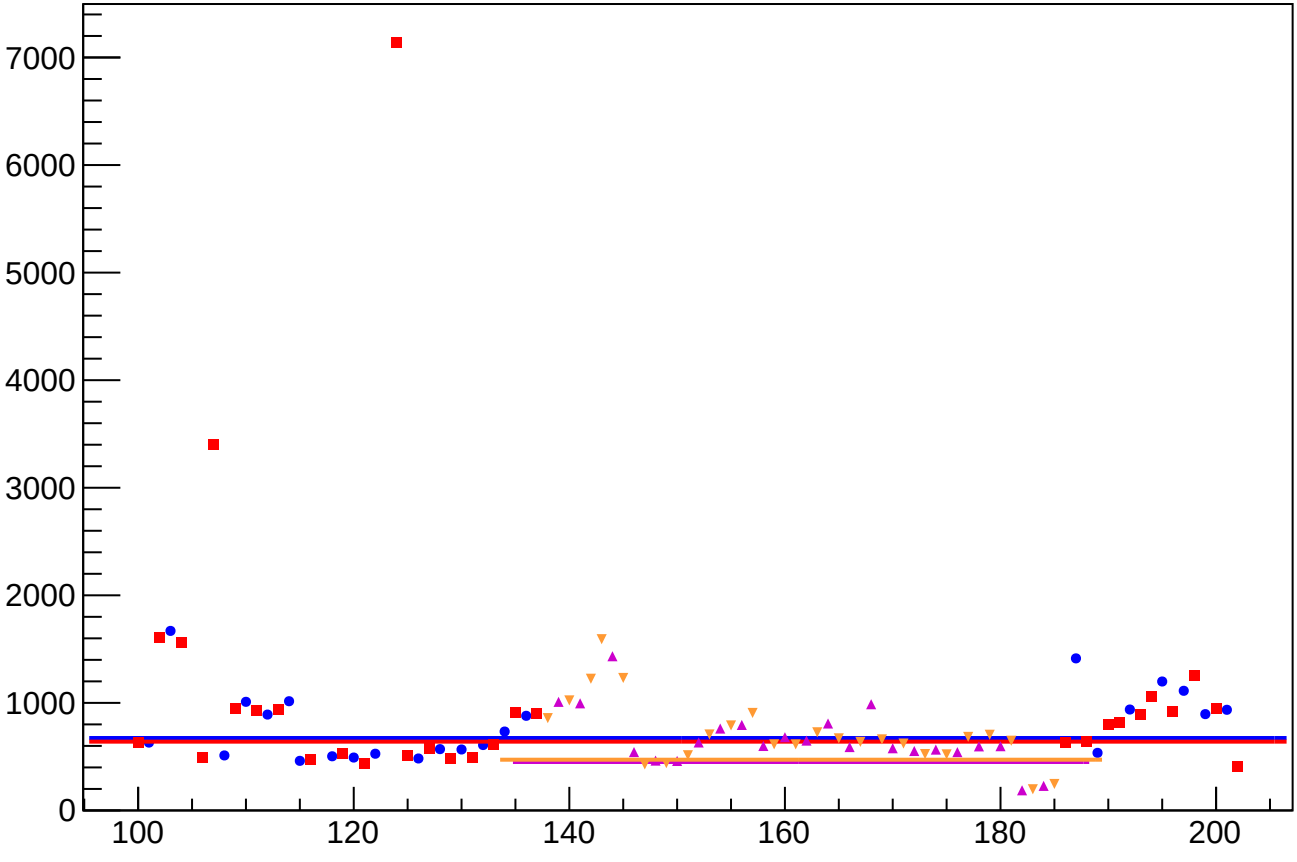
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -144.479+/-104.451 χ^2/NDF: 64.5/47

All: 31.452+/-72.493 χ^2/NDF: 115.9/99

- sign 194.954+/-100.694 χ^2/NDF: 46.0/51

asym_at1_avg_dit_correction_rms vs Slug



Right In: 673.402+/-0.144 χ^2/NDF: 2474059.3/22

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 639.716+/-0.131 χ^2/NDF: 3992965.5/28

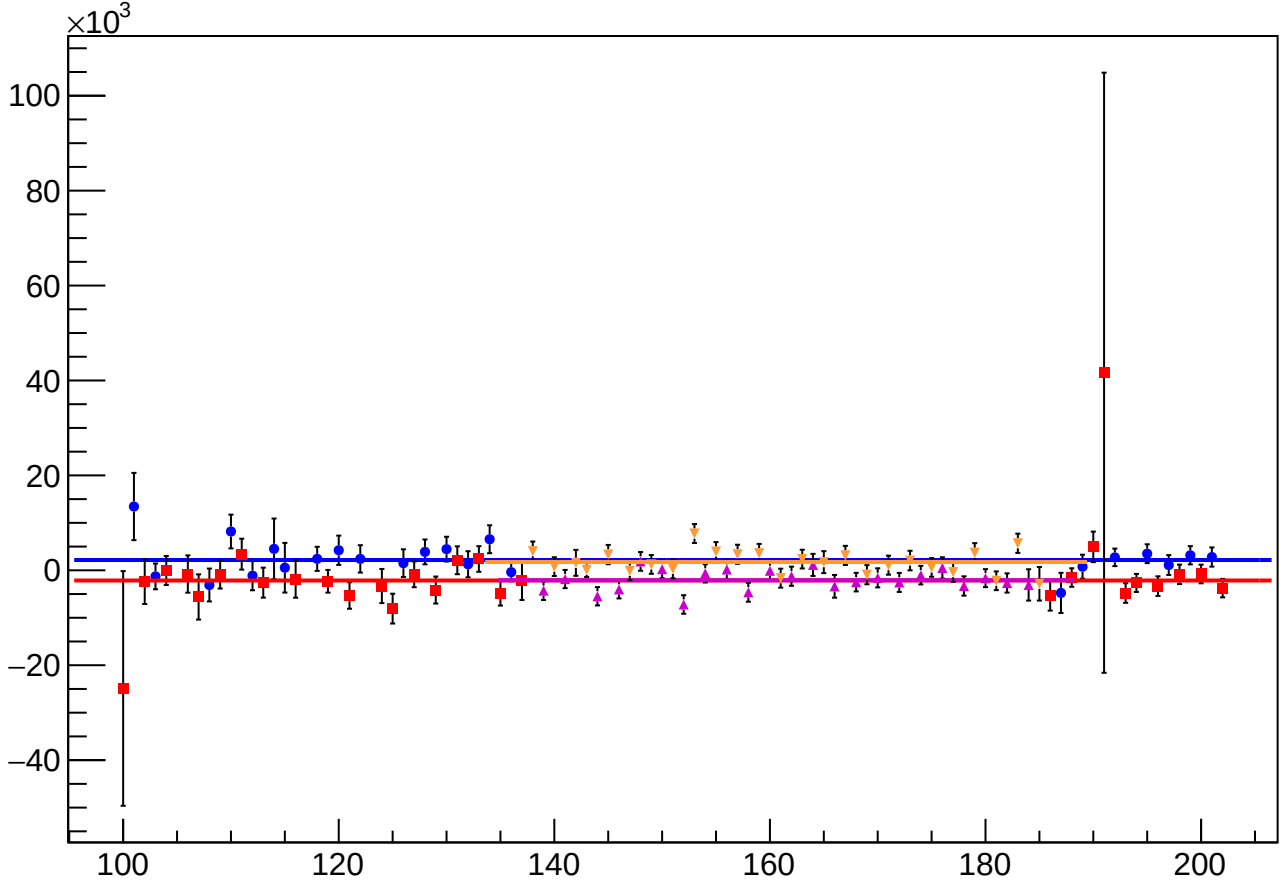
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 524.706+/-0.074 χ^2/NDF: 12029500.9/47

All: 515.054+/-0.051 χ^2/NDF: 25444893.7/99

- sign 506.084+/-0.071 χ^2/NDF: 13382445.2/51

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2169.646+/-550.597 χ^2/NDF: 20.7/22

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2145.310+/-512.561 χ^2/NDF: 26.9/28

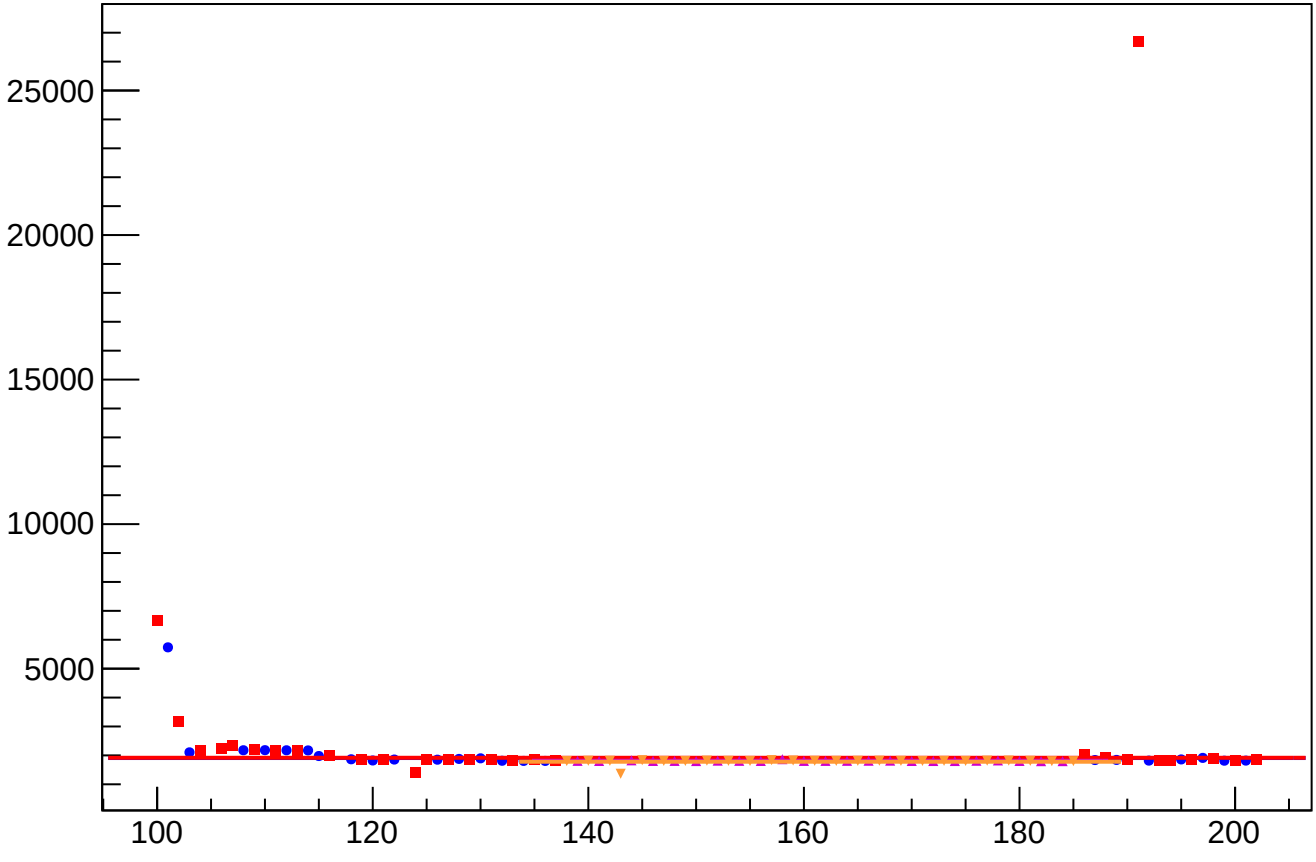
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1901.087+/-326.456 χ^2/NDF: 54.8/47

All: -100.217+/-230.871 χ^2/NDF: 183.9/99

- sign -2102.611+/-326.545 χ^2/NDF: 53.9/51

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1908.799+/-0.389 χ^2/NDF: 667146.7/22

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

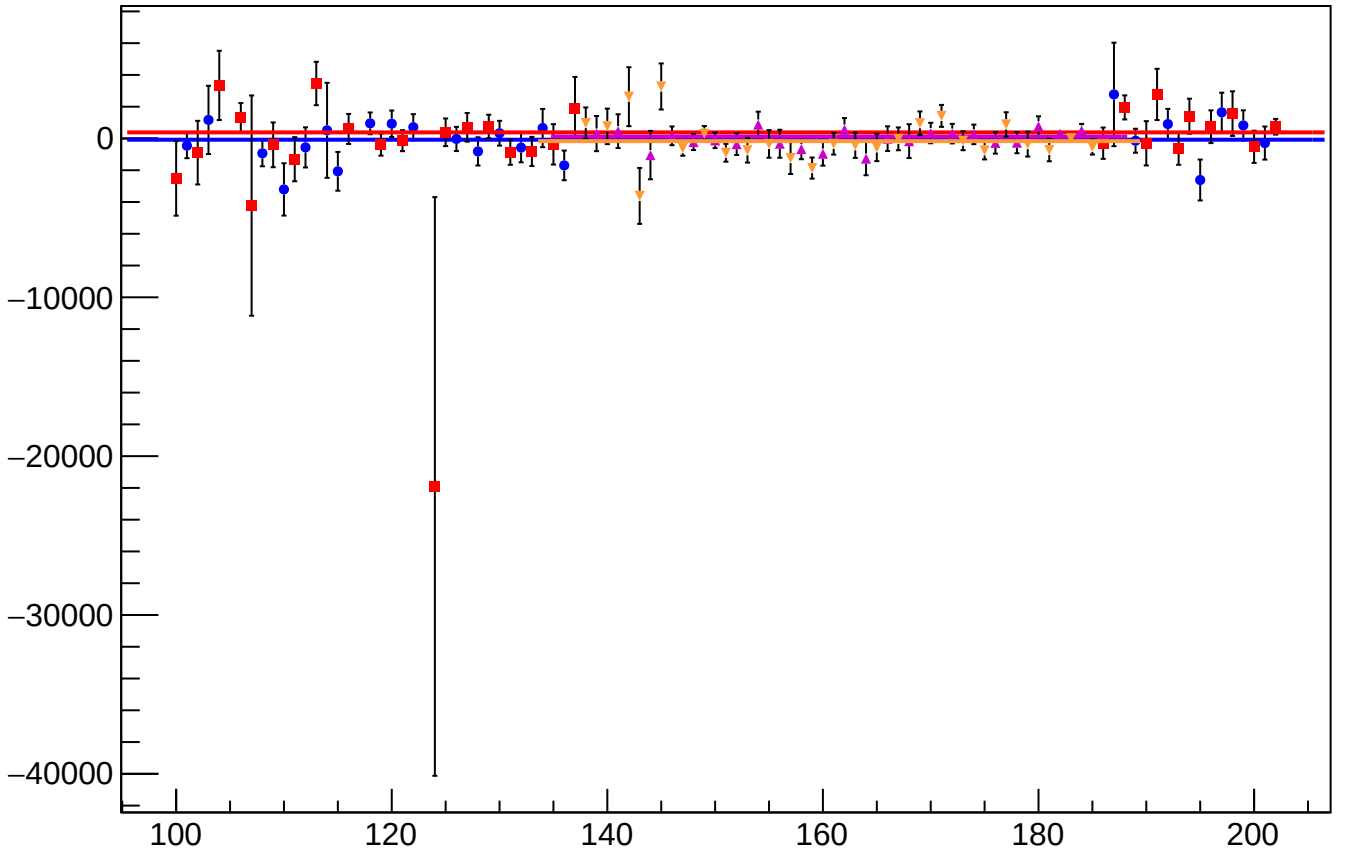
Right Out: 1917.227+/-0.362 χ^2/NDF: 686093.0/28

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1825.871+/-0.231 χ^2/NDF: 902049.4/47

All: 1841.009+/-0.163 χ^2/NDF: 1646630.5/99

- sign 1856.155+/-0.231 χ^2/NDF: 735977.6/51



Right In: -78.655+/-203.863 χ^2/NDF: 26.0/22

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 382.371+/-185.963 χ^2/NDF: 32.2/28

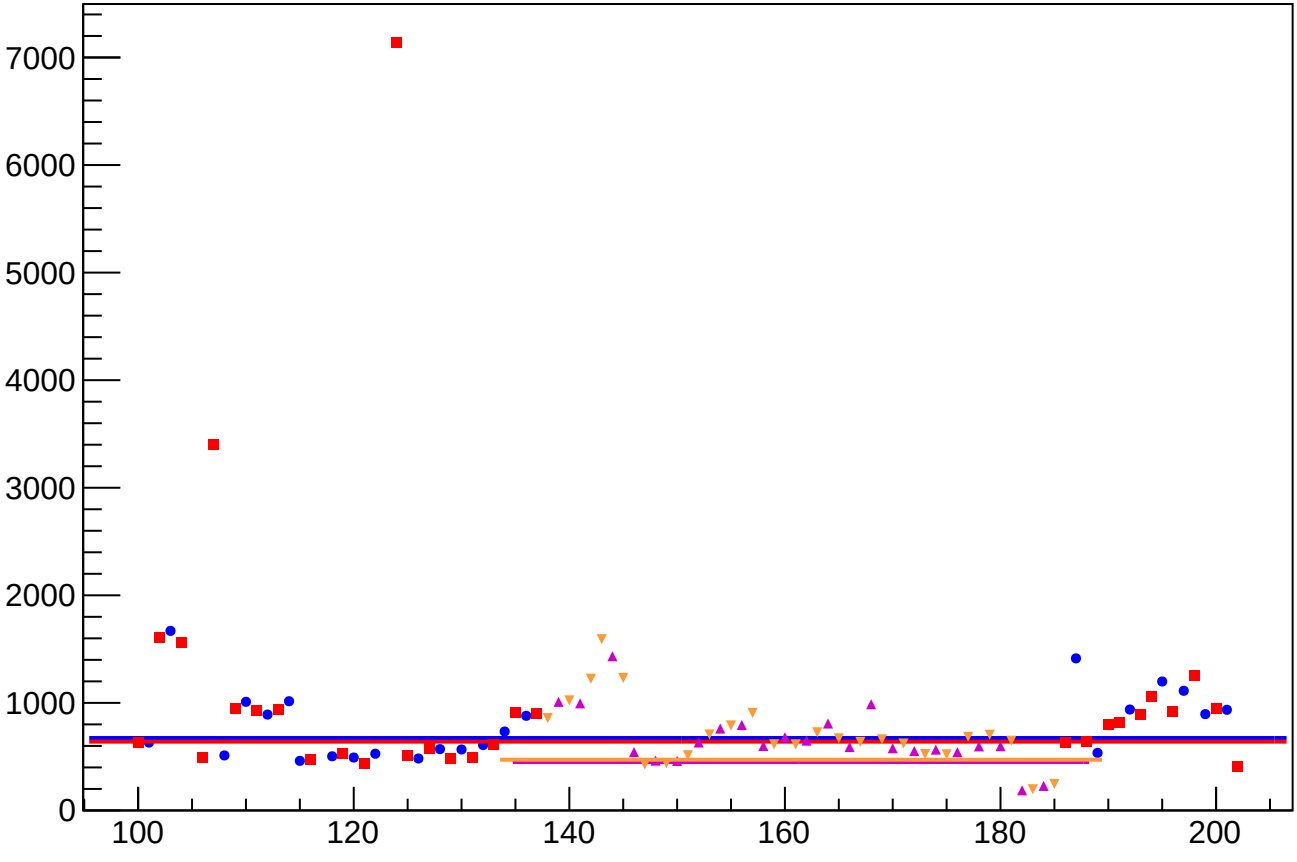
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -144.479+/-104.451 χ^2/NDF: 64.5/47

All: 31.452+/-72.493 χ^2/NDF: 115.9/99

- sign 194.955+/-100.694 χ^2/NDF: 46.0/51

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 673.402+/-0.144 χ^2/NDF: 2474076.6/22

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

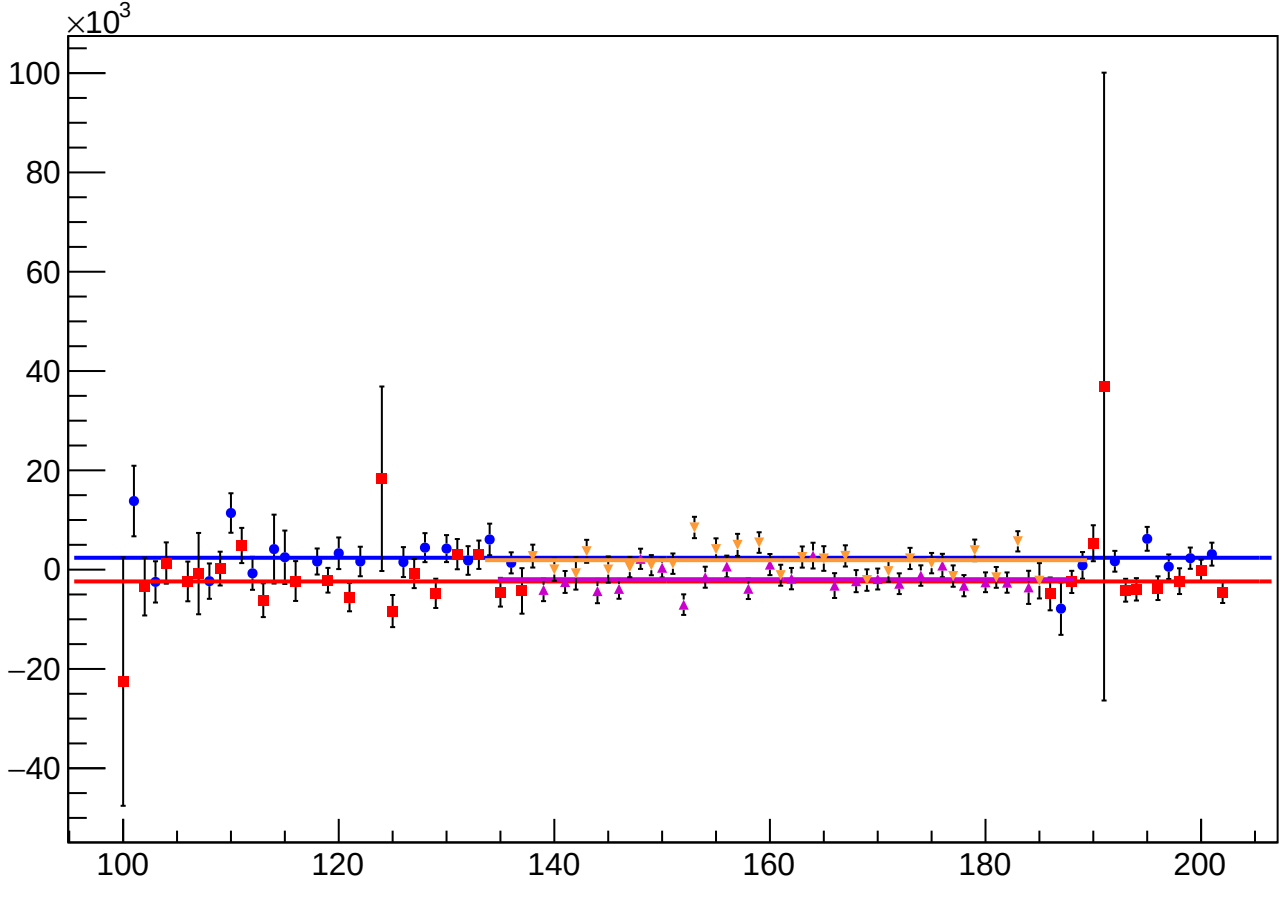
Right Out: 639.716+/-0.131 χ^2/NDF: 3992971.7/28

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 524.706+/-0.074 χ^2/NDF: 12029497.7/47

All: 515.055+/-0.051 χ^2/NDF: 25444864.9/99

- sign 506.085+/-0.071 χ^2/NDF: 13382420.9/51



Right In: 2391.440+/-611.991 χ^2/NDF: 22.0/22

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2376.227+/-577.538 χ^2/NDF: 30.8/28

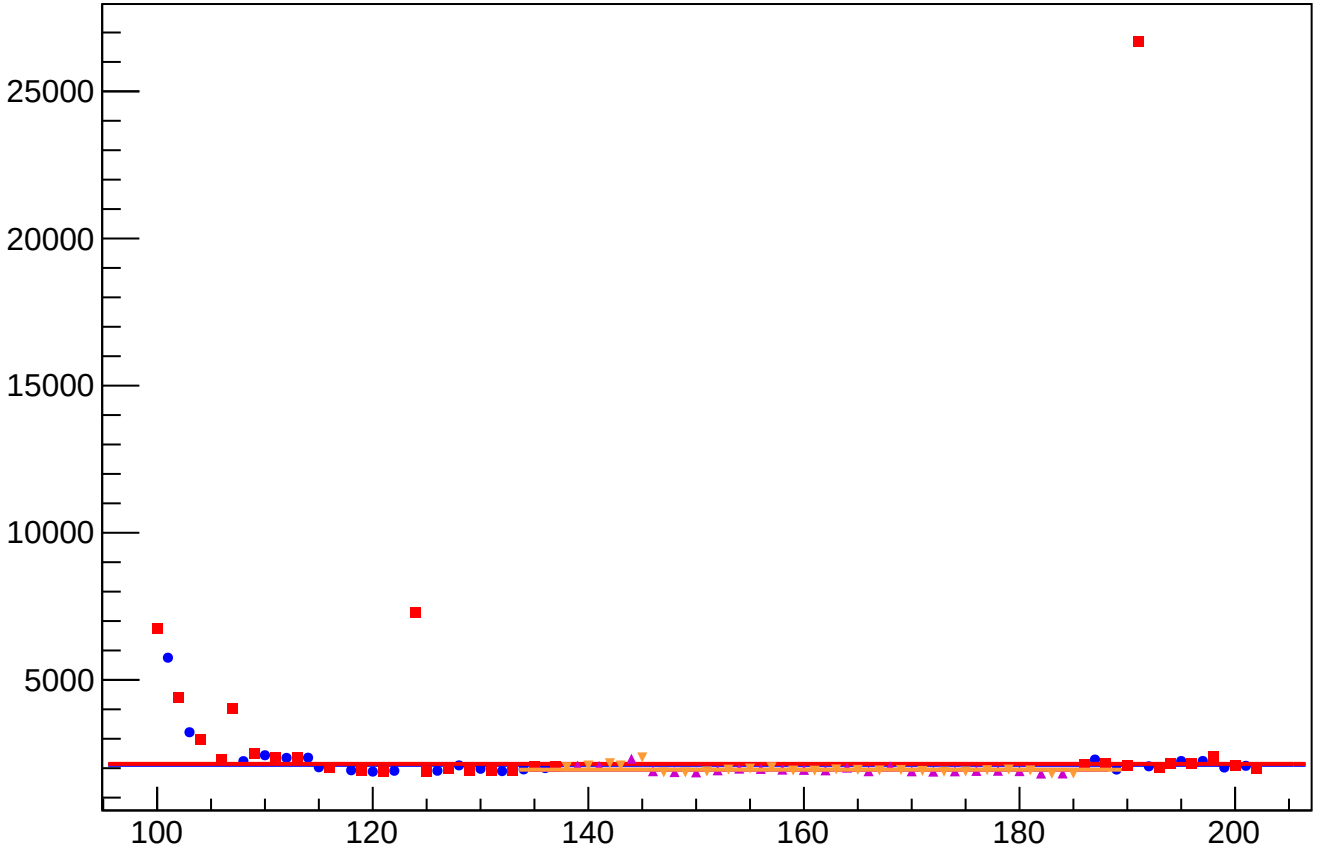
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2074.062+/-359.128 χ^2/NDF: 58.7/47

All: -22.690+/-253.311 χ^2/NDF: 182.5/99

- sign -2098.720+/-357.349 χ^2/NDF: 55.9/51

asym_at1_avg_rms vs Slug



Right In: 2114.253+/-0.433 χ^2/NDF: 786183.5/22

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

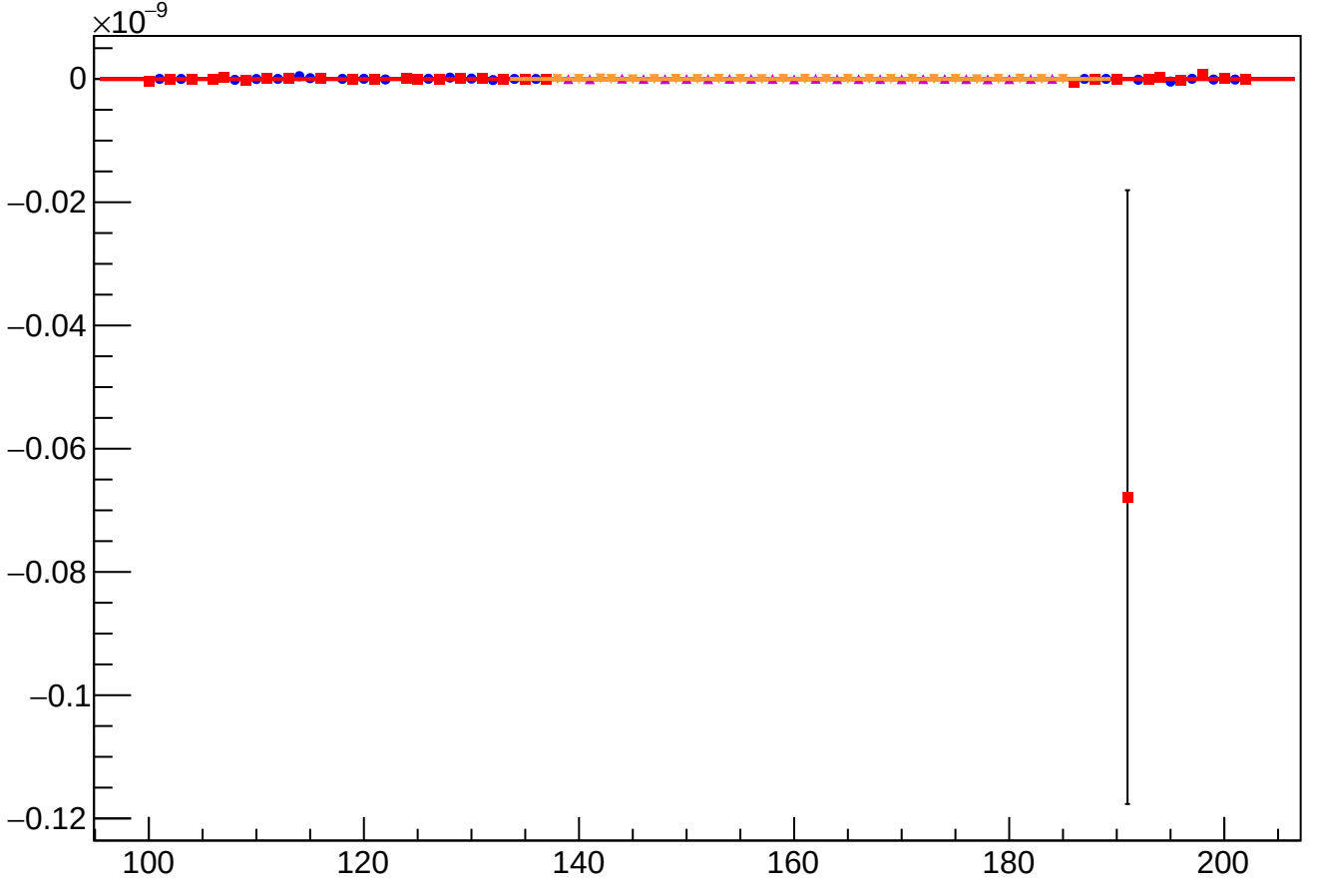
Right Out: 2146.761+/-0.408 χ^2/NDF: 1167682.1/28

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2005.907+/-0.254 χ^2/NDF: 990316.7/47

All: 2014.157+/-0.179 χ^2/NDF: 2406494.9/99

- sign 2022.325+/-0.253 χ^2/NDF: 1414077.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/28

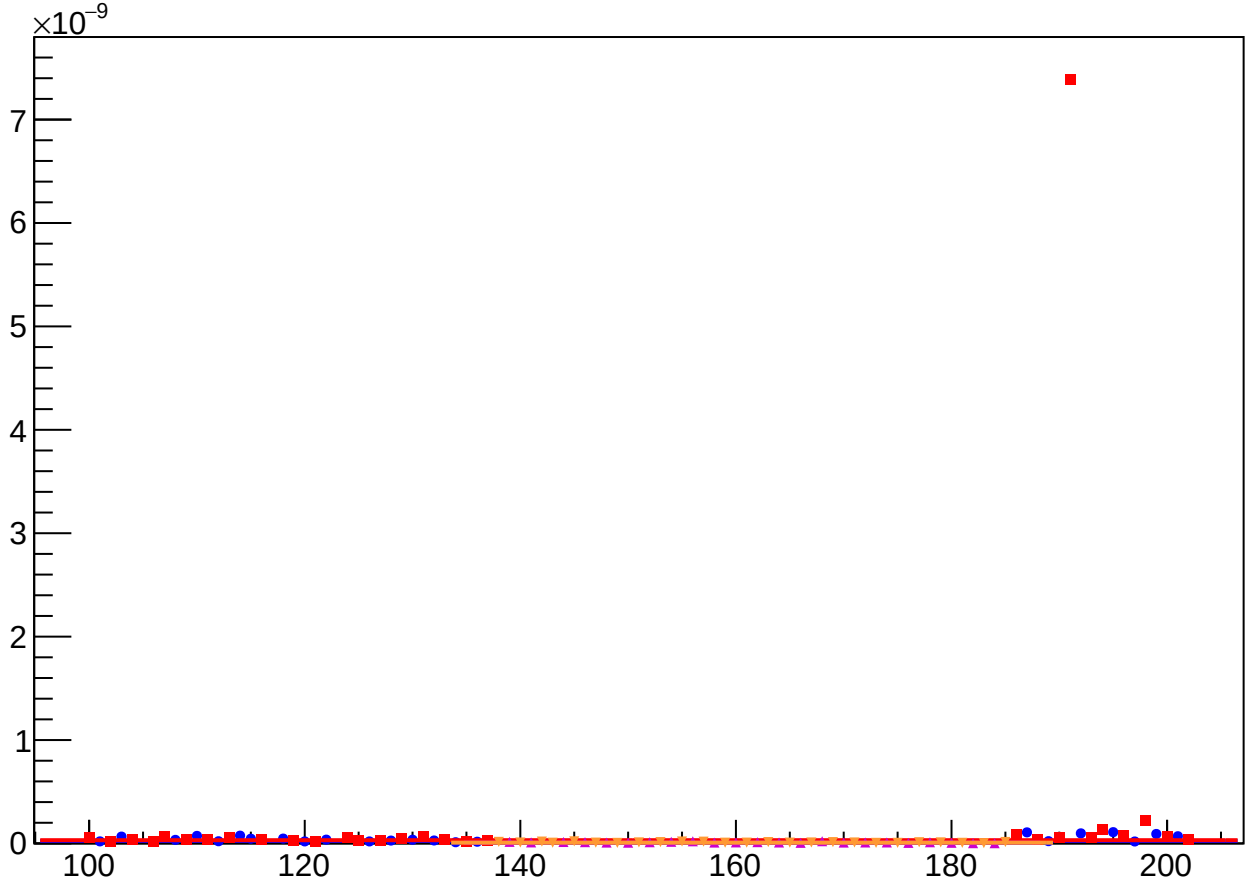
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.8/47

All: 0.000+/-0.000 χ^2/NDF: 115.2/99

- sign 0.000+/-0.000 χ^2/NDF: 62.1/51

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2736451.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2629481.3/28

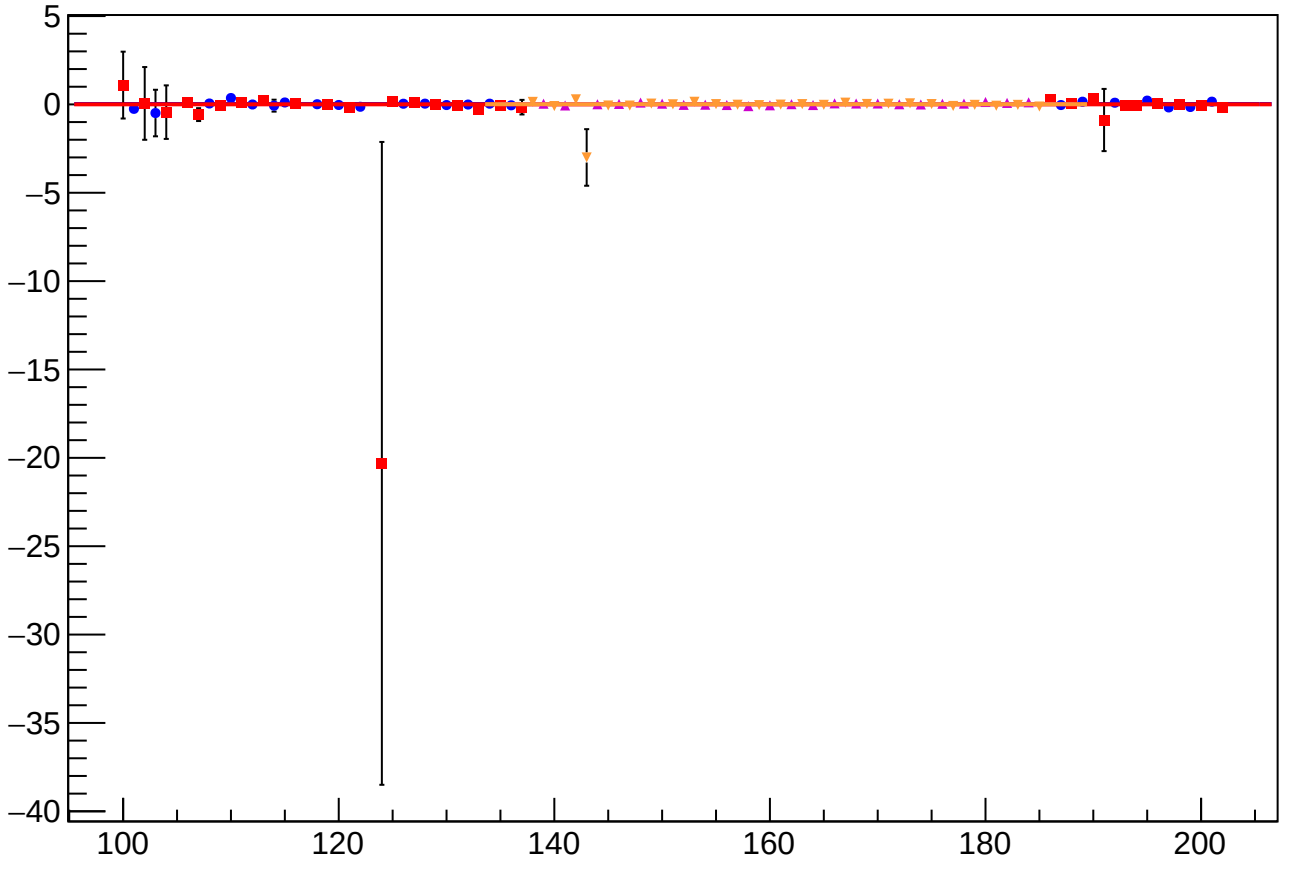
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7660274.3/47

All: 0.000+/-0.000 χ^2/NDF: 16924805.0/99

- sign 0.000+/-0.000 χ^2/NDF: 9261937.4/51

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.023 χ^2/NDF: 19.9/22

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.004+/-0.022 χ^2/NDF: 26.8/28

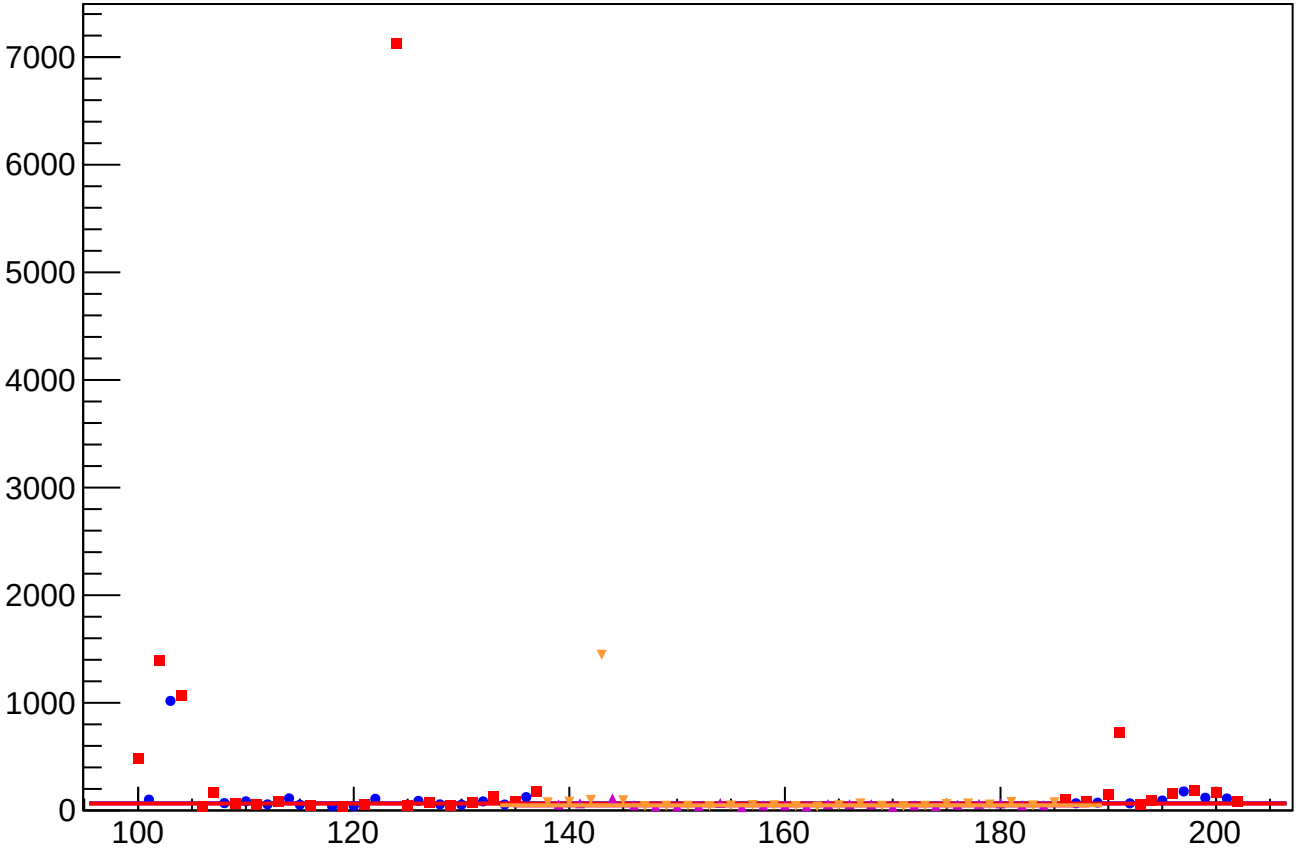
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 49.7/47

All: 0.014+/-0.008 χ^2/NDF: 97.0/99

- sign 0.015+/-0.011 χ^2/NDF: 47.4/51

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 66.685+/-0.016 χ^2/NDF: 3763329.2/22

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

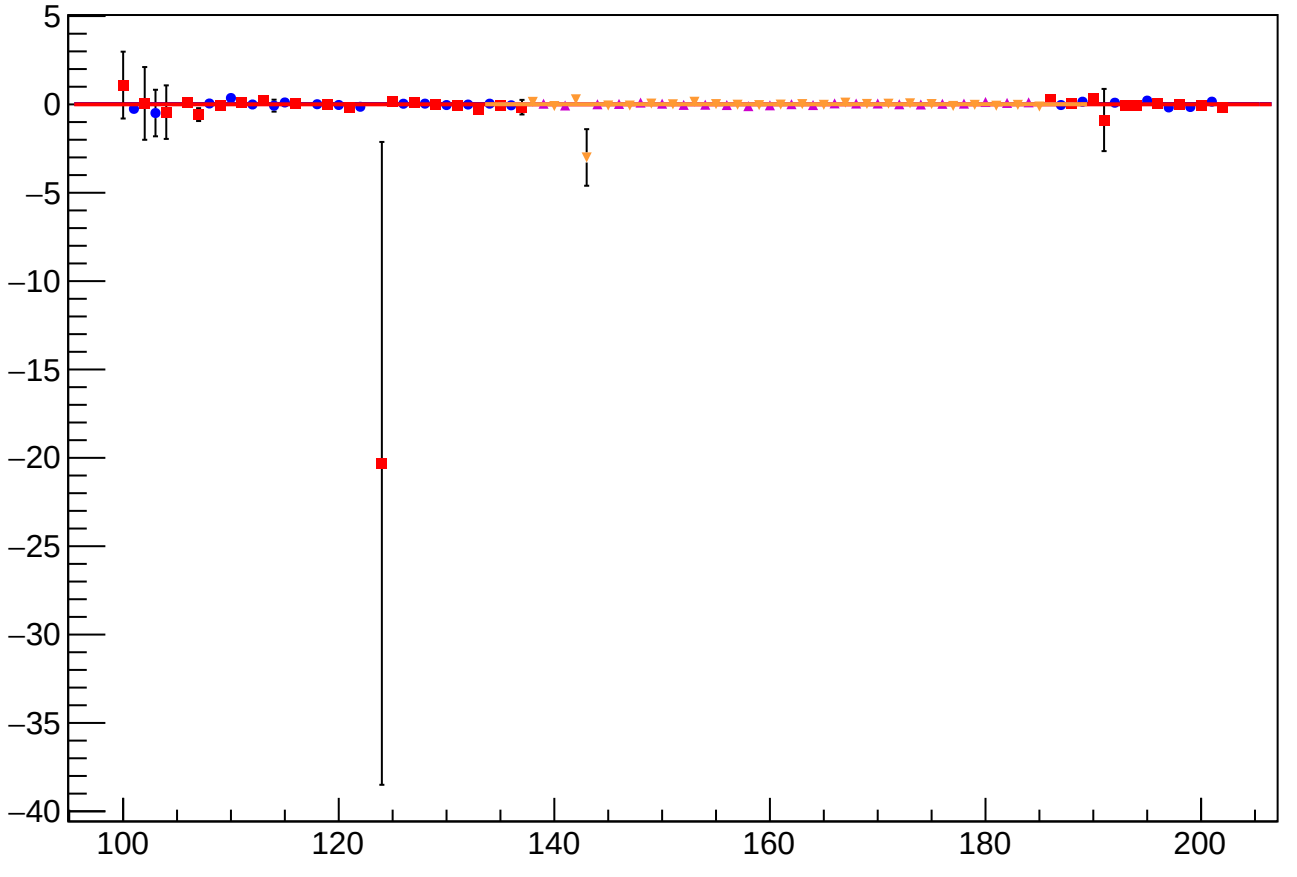
Right Out: 64.206+/-0.015 χ^2/NDF: 6174471.8/28

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 52.152+/-0.008 χ^2/NDF: 8291492.9/47

All: 51.556+/-0.005 χ^2/NDF: 17402057.2/99

- sign 50.988+/-0.008 χ^2/NDF: 9098974.0/51



Right In: 0.022+/-0.023 χ^2/NDF: 19.9/22

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.004+/-0.022 χ^2/NDF: 26.8/28

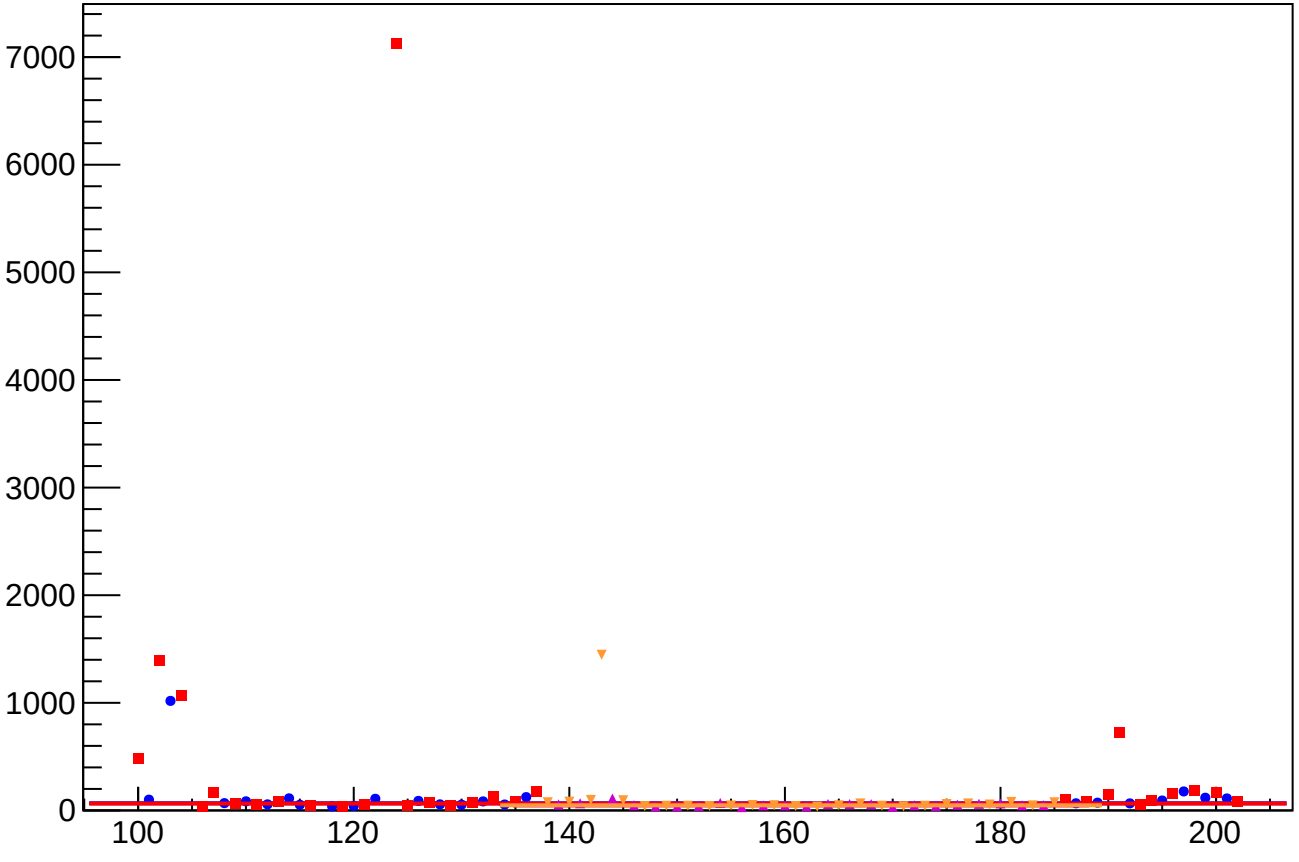
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 49.7/47

All: 0.014+/-0.008 χ^2/NDF: 97.0/99

- sign 0.015+/-0.011 χ^2/NDF: 47.4/51

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.685+/-0.016 χ^2/NDF: 3763329.2/22

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

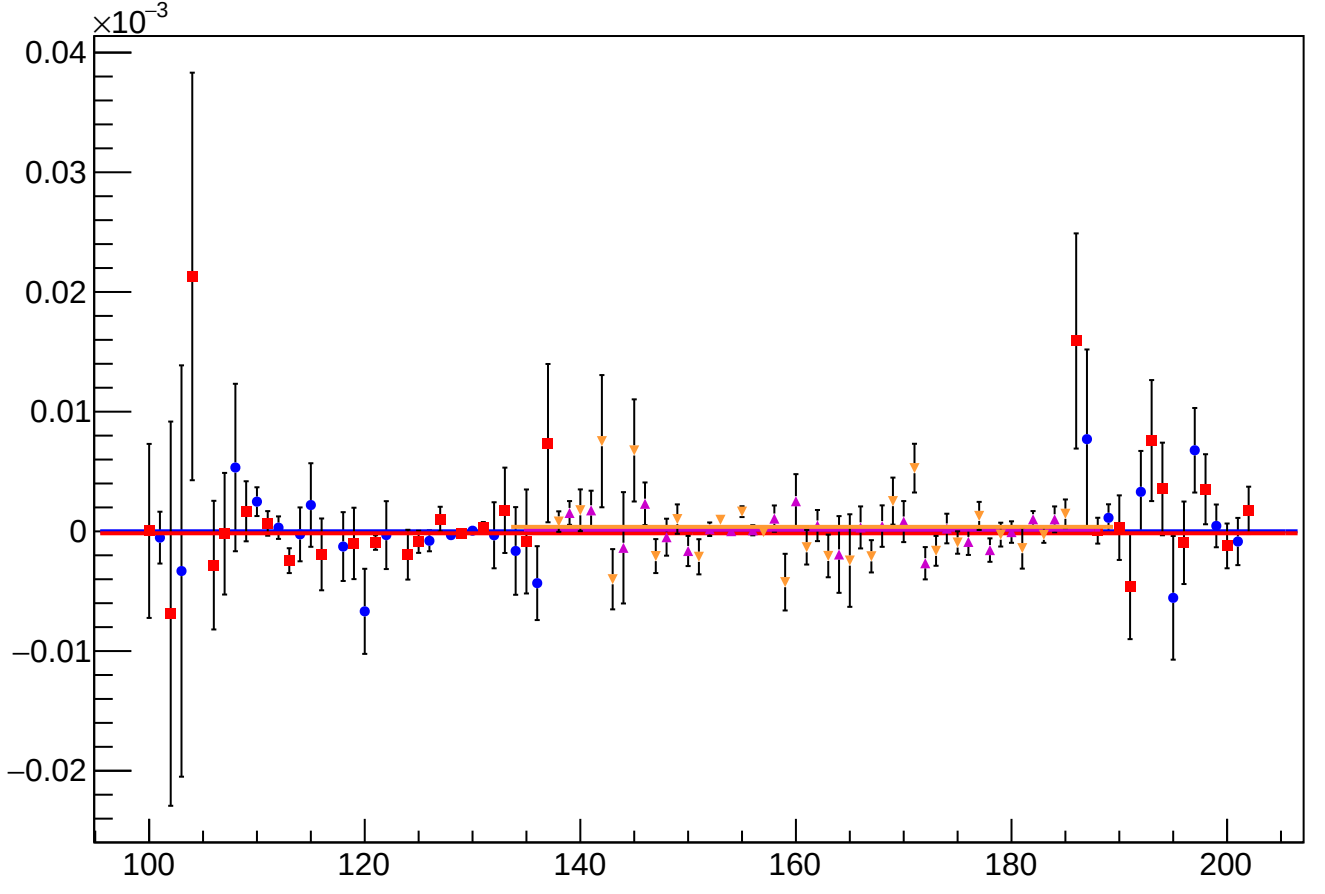
Right Out: 64.206+/-0.015 χ^2/NDF: 6174471.8/28

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 52.152+/-0.008 χ^2/NDF: 8291492.9/47

All: 51.556+/-0.005 χ^2/NDF: 17402057.2/99

- sign 50.988+/-0.008 χ^2/NDF: 9098974.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/28

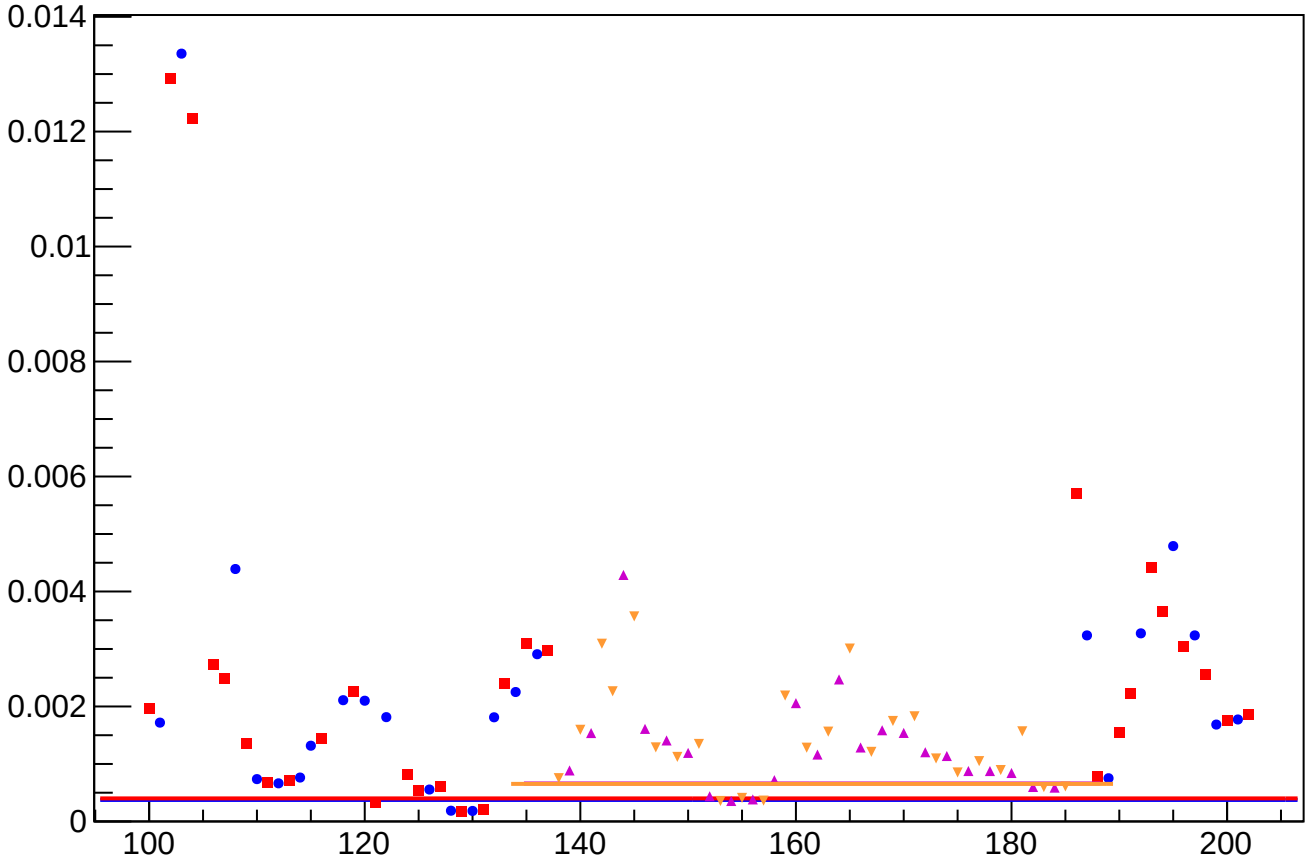
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.7/47

All: 0.000+/-0.000 χ^2/NDF: 123.2/99

- sign -0.000+/-0.000 χ^2/NDF: 47.3/51

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15801093.1/22

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

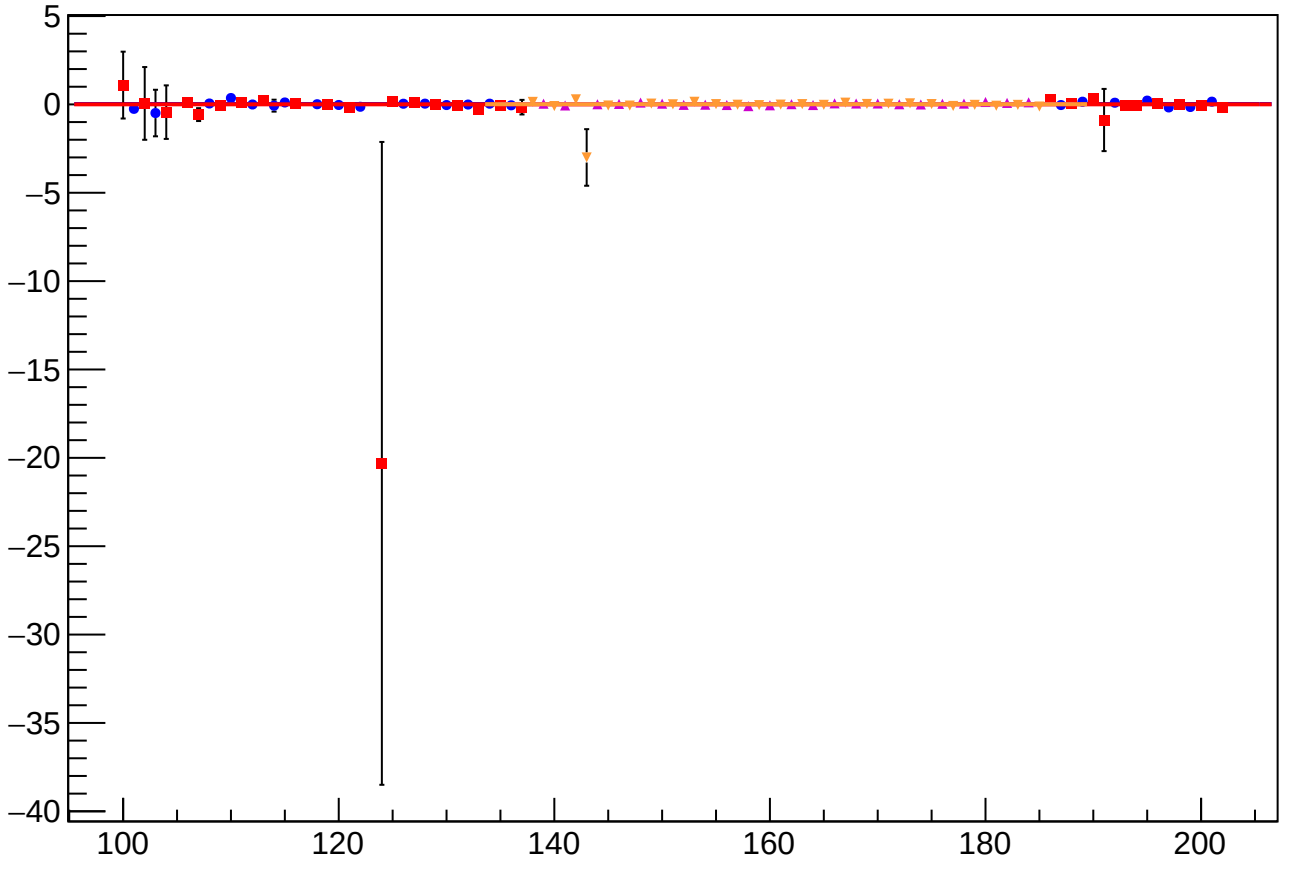
Right Out: 0.000+/-0.000 χ^2/NDF: 17092238.6/28

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 30159558.4/47

All: 0.001+/-0.000 χ^2/NDF: 58884551.3/99

- sign 0.001+/-0.000 χ^2/NDF: 28717403.3/51



Right In: 0.022+/-0.023 χ^2/NDF: 19.9/22

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.004+/-0.022 χ^2/NDF: 26.8/28

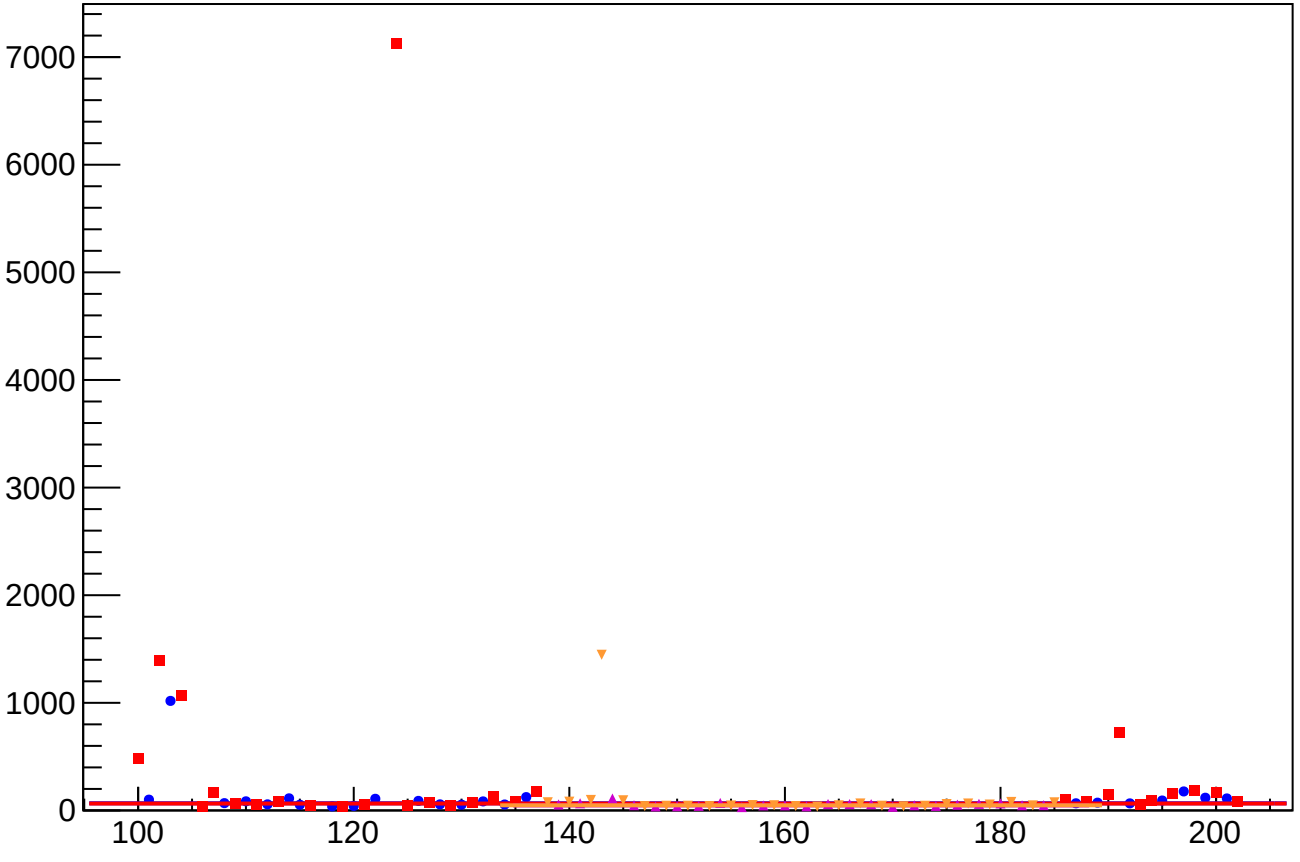
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 49.7/47

All: 0.014+/-0.008 χ^2/NDF: 97.0/99

- sign 0.015+/-0.011 χ^2/NDF: 47.4/51

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.684+/-0.016 χ^2/NDF: 3763369.7/22

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

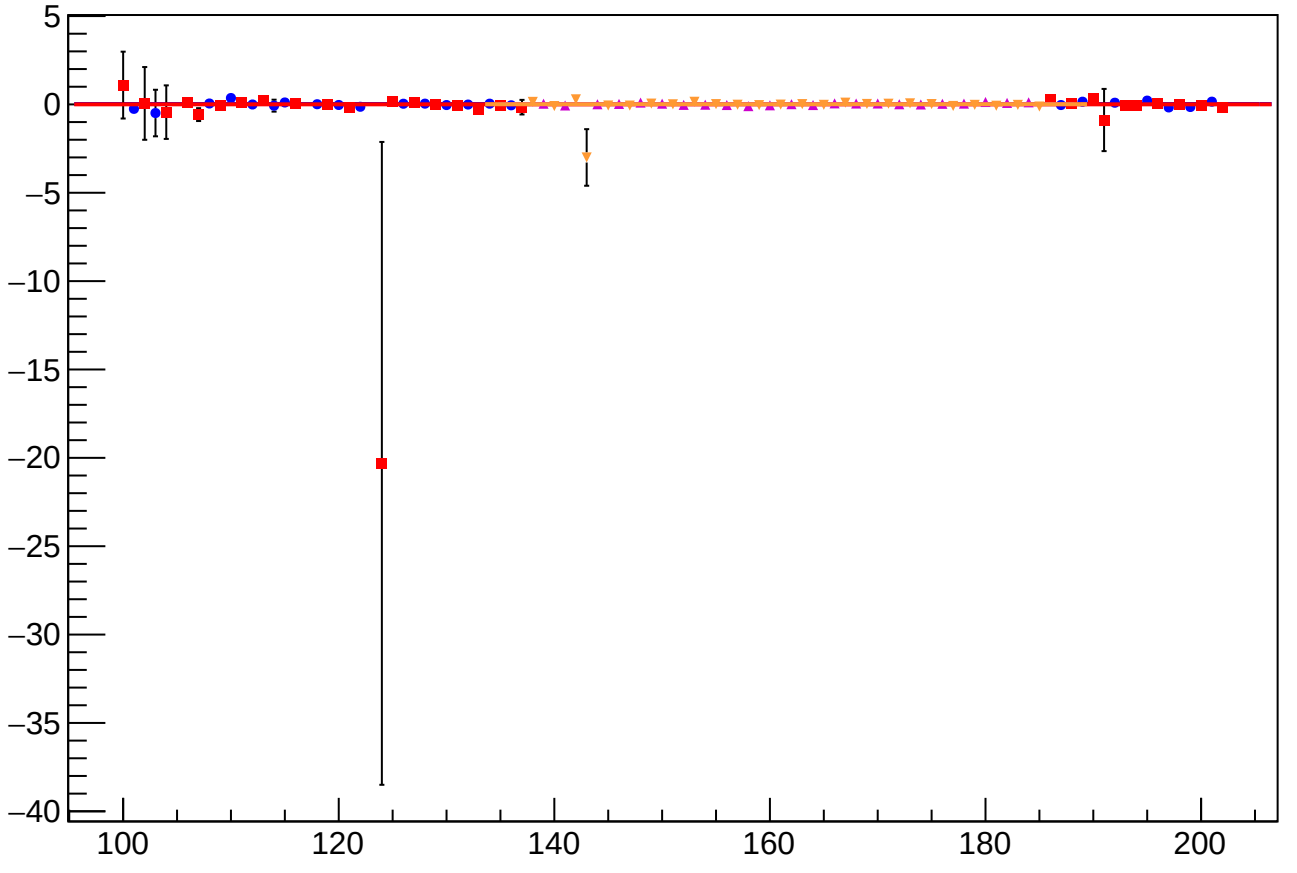
Right Out: 64.205+/-0.015 χ^2/NDF: 6174634.5/28

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 52.152+/-0.008 χ^2/NDF: 8291479.1/47

All: 51.556+/-0.005 χ^2/NDF: 17402106.8/99

- sign 50.988+/-0.008 χ^2/NDF: 9099029.7/51



Right In: 0.022+/-0.023 χ^2/NDF: 19.9/22

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.004+/-0.022 χ^2/NDF: 26.8/28

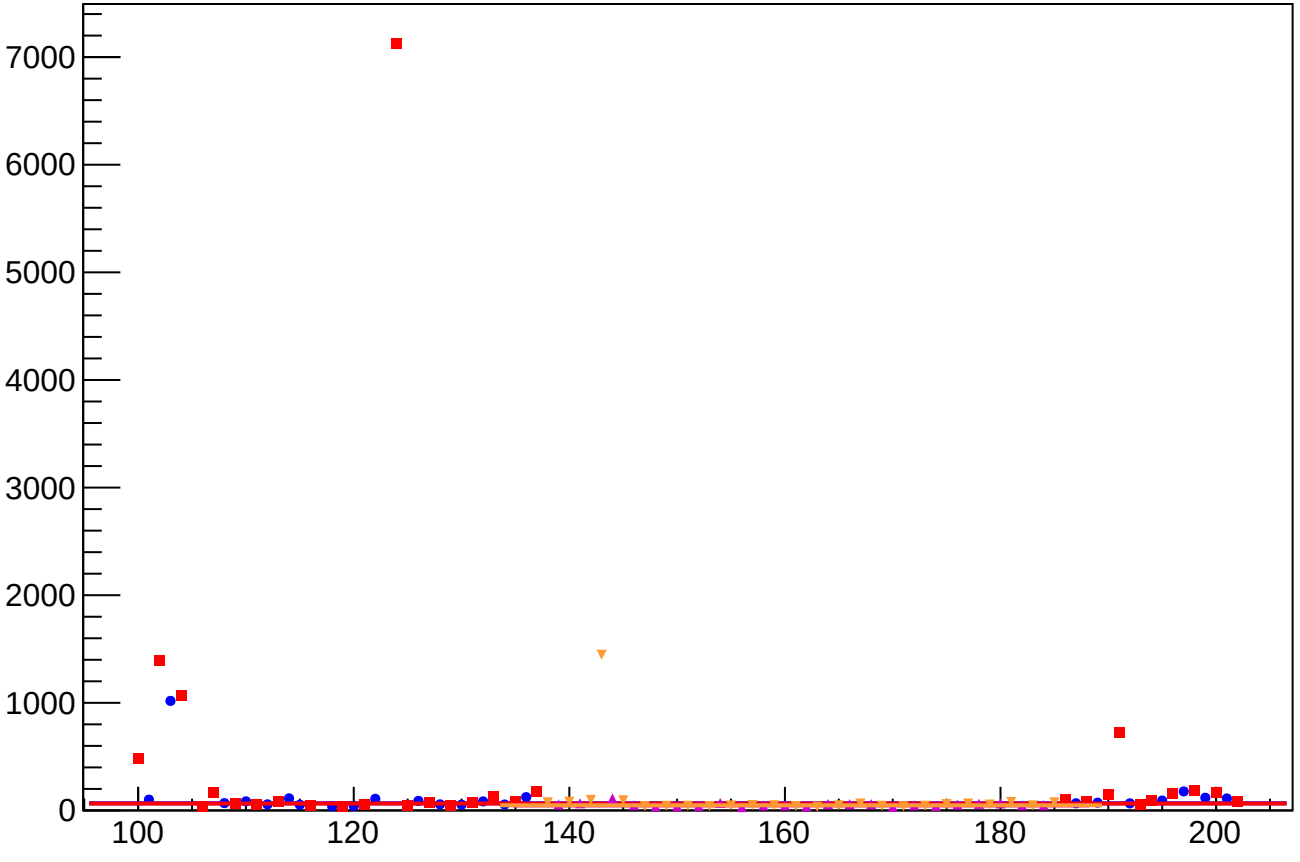
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 49.7/47

All: 0.014+/-0.008 χ^2/NDF: 97.0/99

- sign 0.015+/-0.011 χ^2/NDF: 47.4/51

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.684+/-0.016 χ^2/NDF: 3763369.7/22

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.205+/-0.015 χ^2/NDF: 6174634.5/28

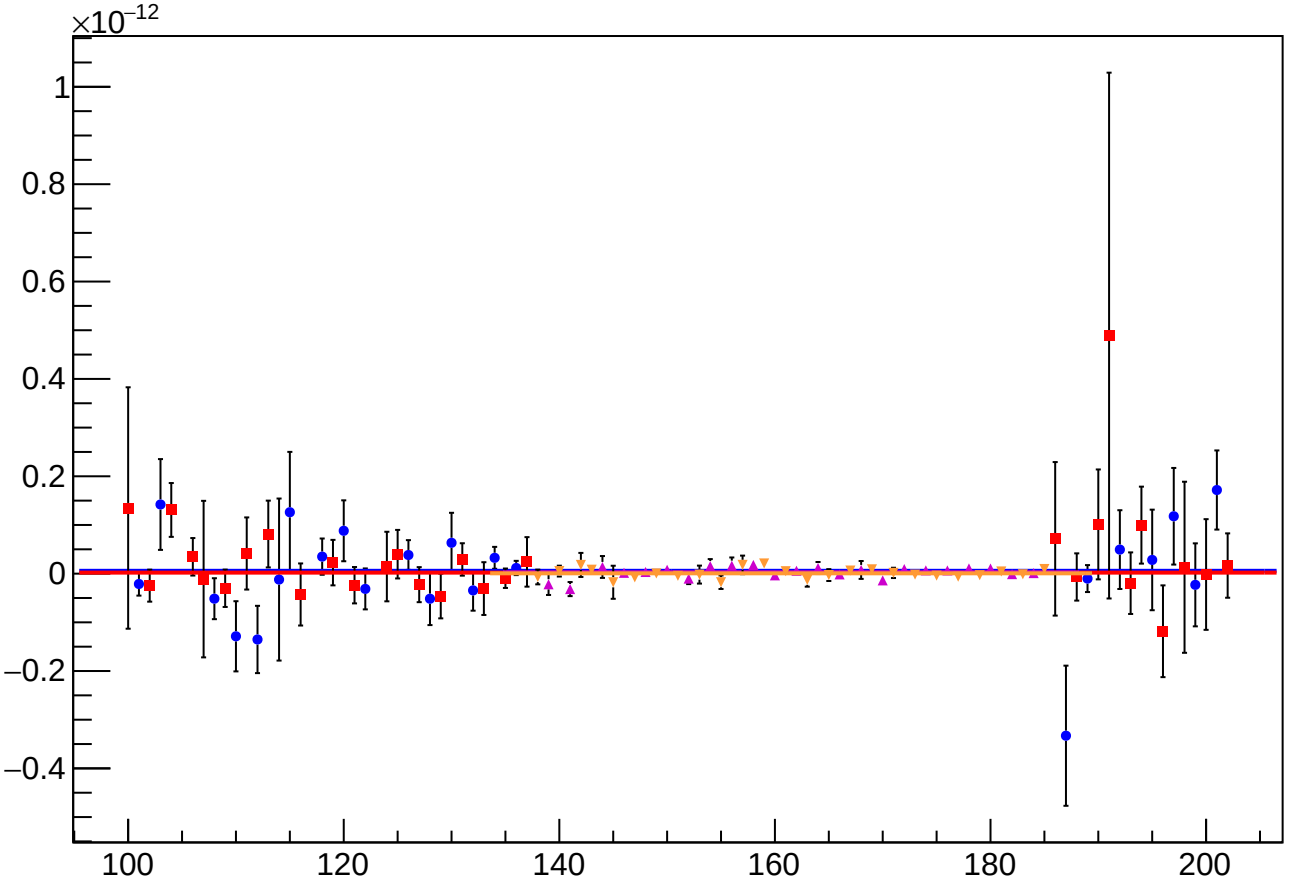
Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 52.152+/-0.008 χ^2/NDF: 8291479.1/47

All: 51.556+/-0.005 χ^2/NDF: 17402106.8/99

- sign 50.988+/-0.008 χ^2/NDF: 9099029.7/51

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

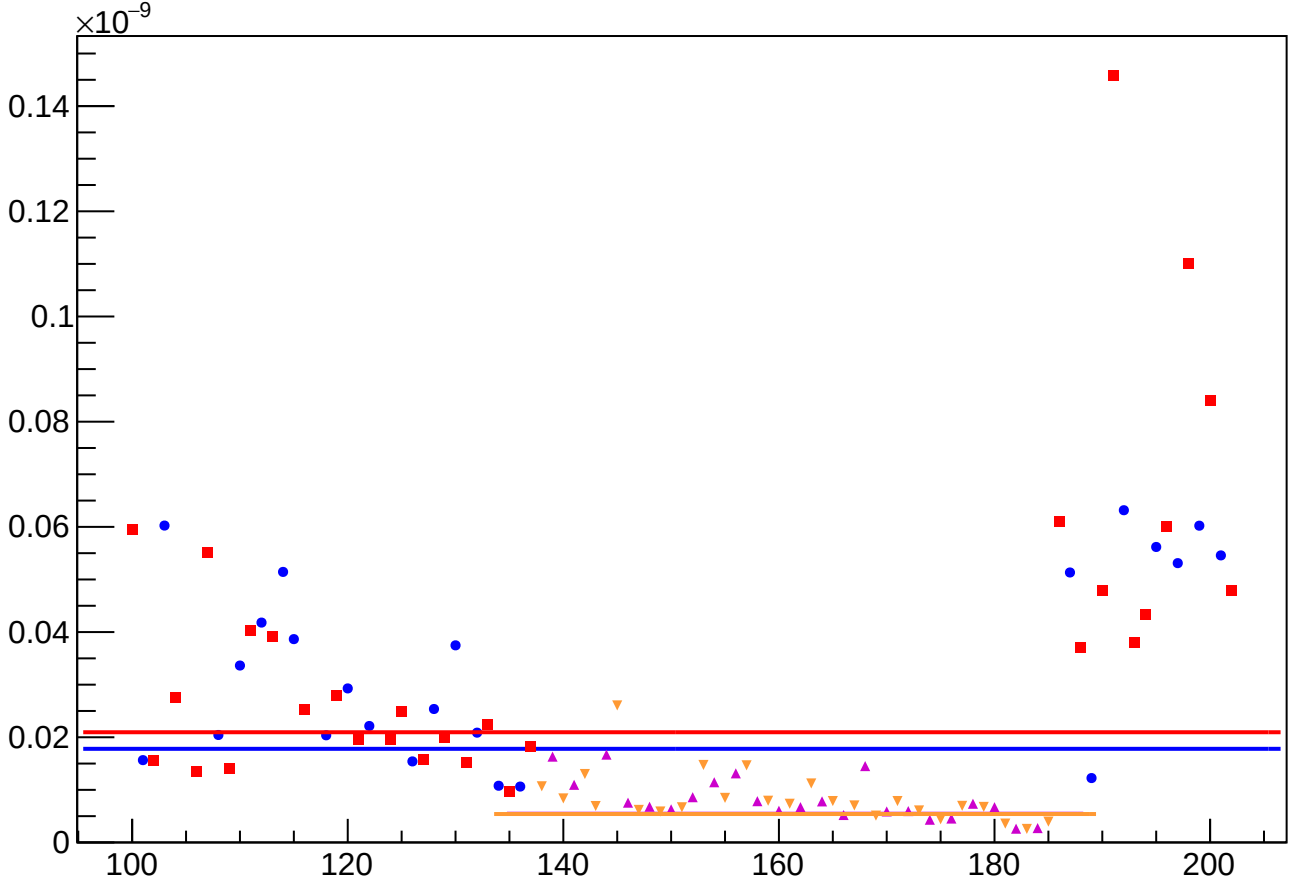
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/28

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/47

All: 0.000+/-0.000 χ^2/NDF: 91.6/99

- sign 0.000+/-0.000 χ^2/NDF: 41.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 4206344.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4139164.0/28

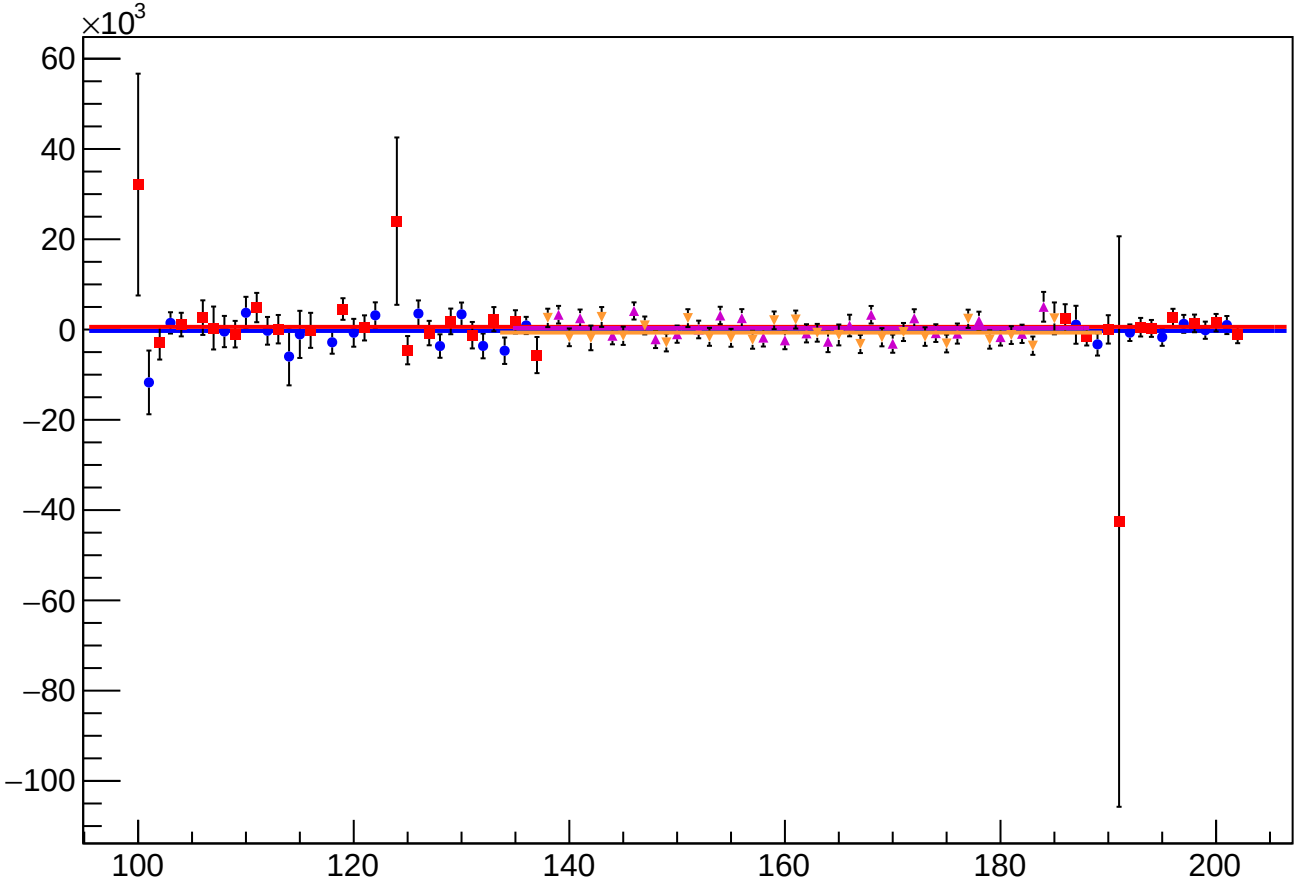
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13861550.1/47

All: 0.000+/-0.000 χ^2/NDF: 28403327.4/99

- sign 0.000+/-0.000 χ^2/NDF: 14539491.1/51

reg_asym_at1_dd_mean vs Slug



Right In: -313.854+/-541.096 χ^2/NDF: 20.4/22

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 591.152+/-506.687 χ^2/NDF: 20.3/28

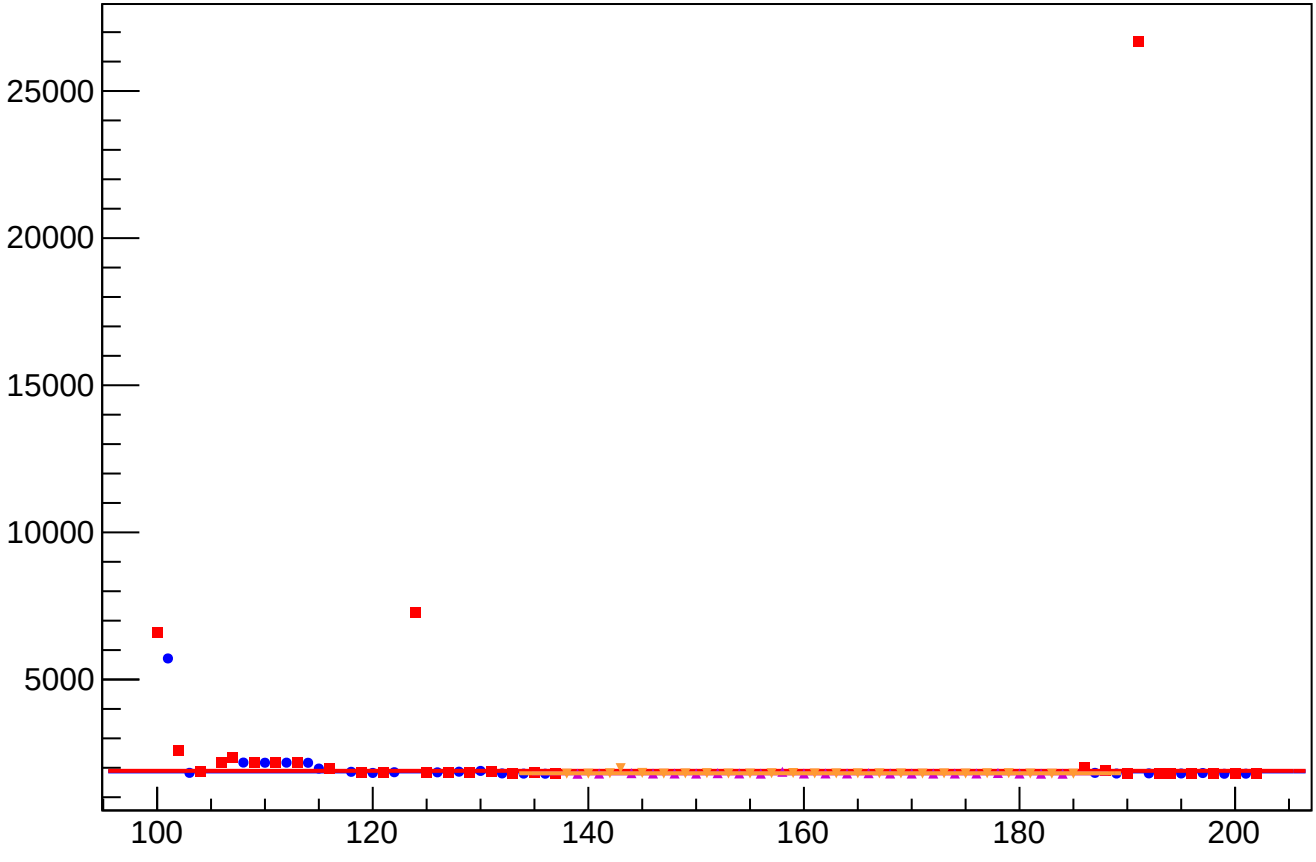
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -539.241+/-327.898 χ^2/NDF: 45.4/47

All: -42.225+/-230.680 χ^2/NDF: 100.5/99

- sign 444.804+/-324.587 χ^2/NDF: 50.5/51

reg_asym_at1_dd_rms vs Slug



Right In: 1876.180+/-0.383 χ^2/NDF: 667366.1/22

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1896.466+/-0.358 χ^2/NDF: 738862.1/28

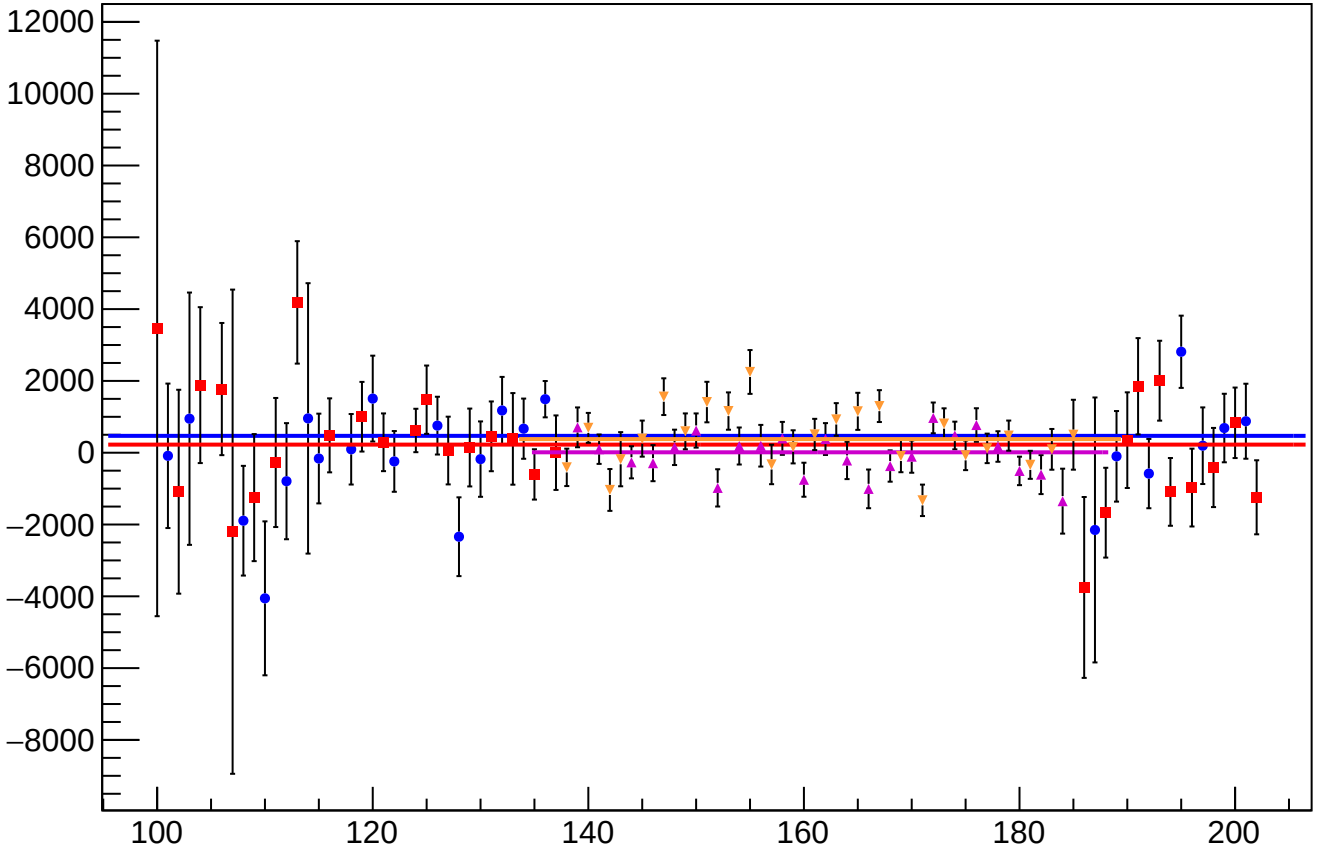
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1837.109+/-0.232 χ^2/NDF: 696947.7/47

All: 1841.475+/-0.163 χ^2/NDF: 1472457.9/99

- sign 1845.753+/-0.230 χ^2/NDF: 774808.2/51

asym_at1_dd_reg_correction_mean vs Slug



Right In: 469.746+/-220.258 χ^2/NDF: 28.8/22

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 225.636+/-207.871 χ^2/NDF: 27.1/28

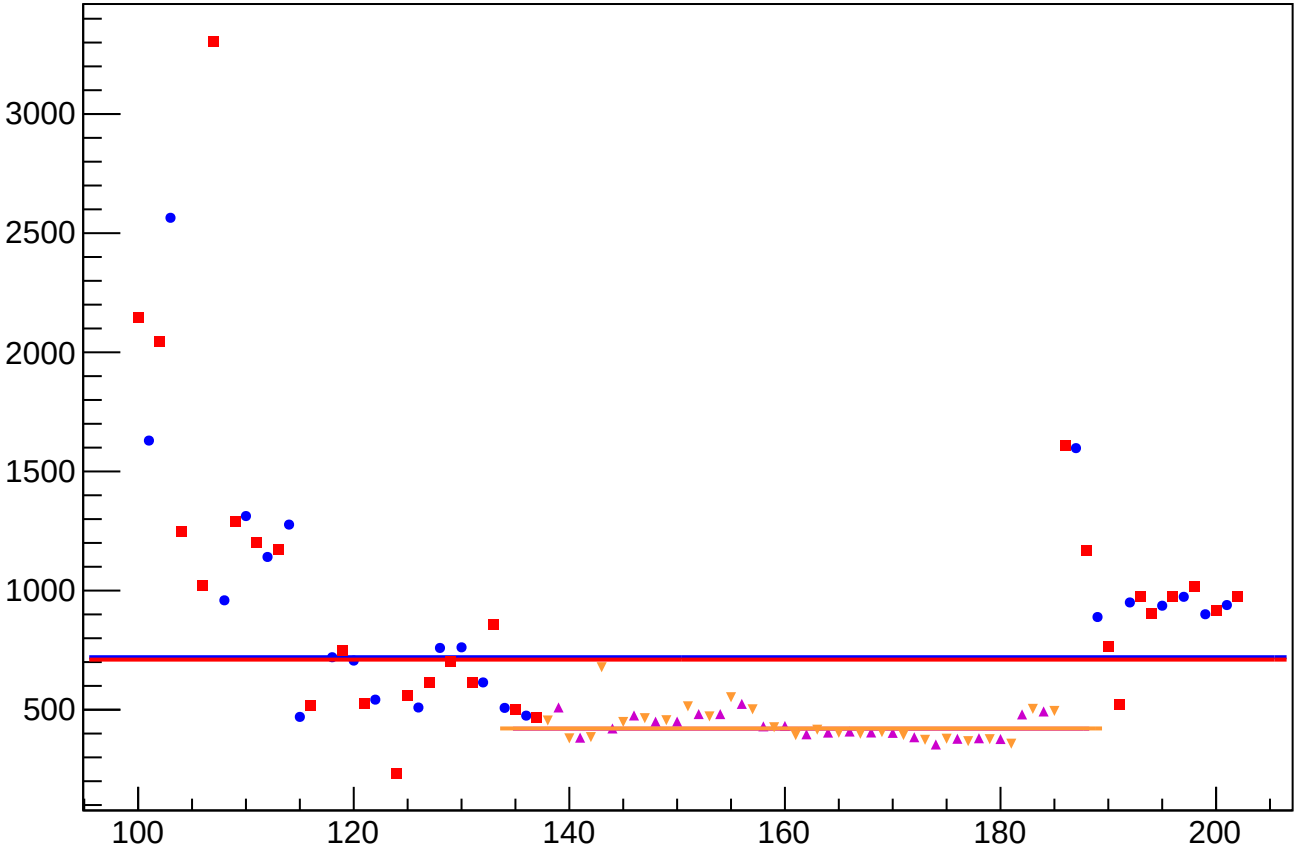
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 394.040+/-88.783 χ^2/NDF: 91.2/47

All: 223.686+/-62.983 χ^2/NDF: 157.8/99

- sign 51.097+/-89.363 χ^2/NDF: 59.1/51

asym_at1_dd_reg_correction_rms vs Slug



Right In: 720.407+/-0.156 χ^2/NDF: 2903164.1/22

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

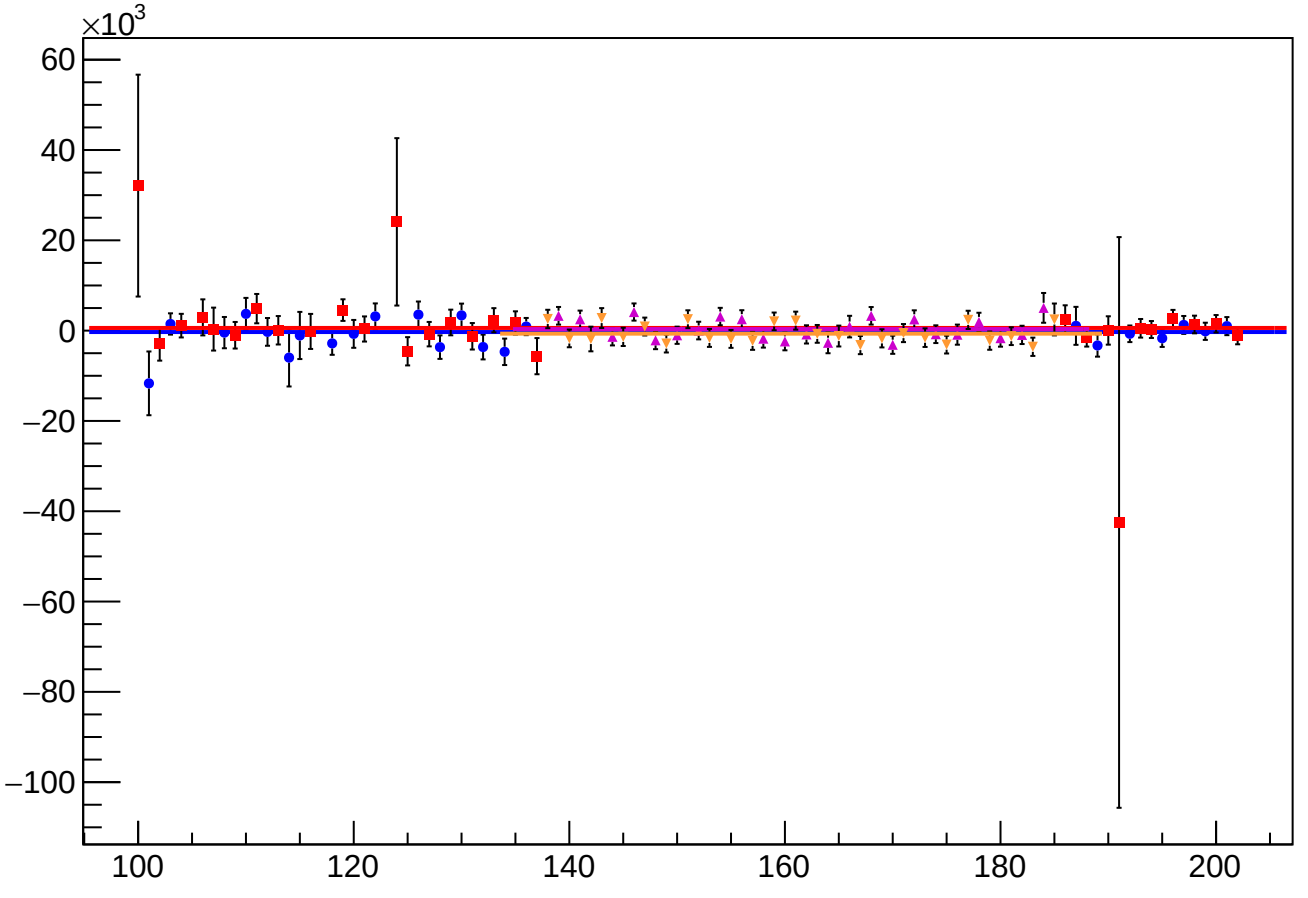
Right Out: 710.294+/-0.147 χ^2/NDF: 4582569.1/28

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 469.996+/-0.063 χ^2/NDF: 6732797.1/47

All: 471.901+/-0.045 χ^2/NDF: 14905108.8/99

- sign 473.831+/-0.063 χ^2/NDF: 8170458.0/51



Right In: -313.404+/-541.096 χ^2/NDF: 20.4/22

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 593.272+/-507.037 χ^2/NDF: 20.3/28

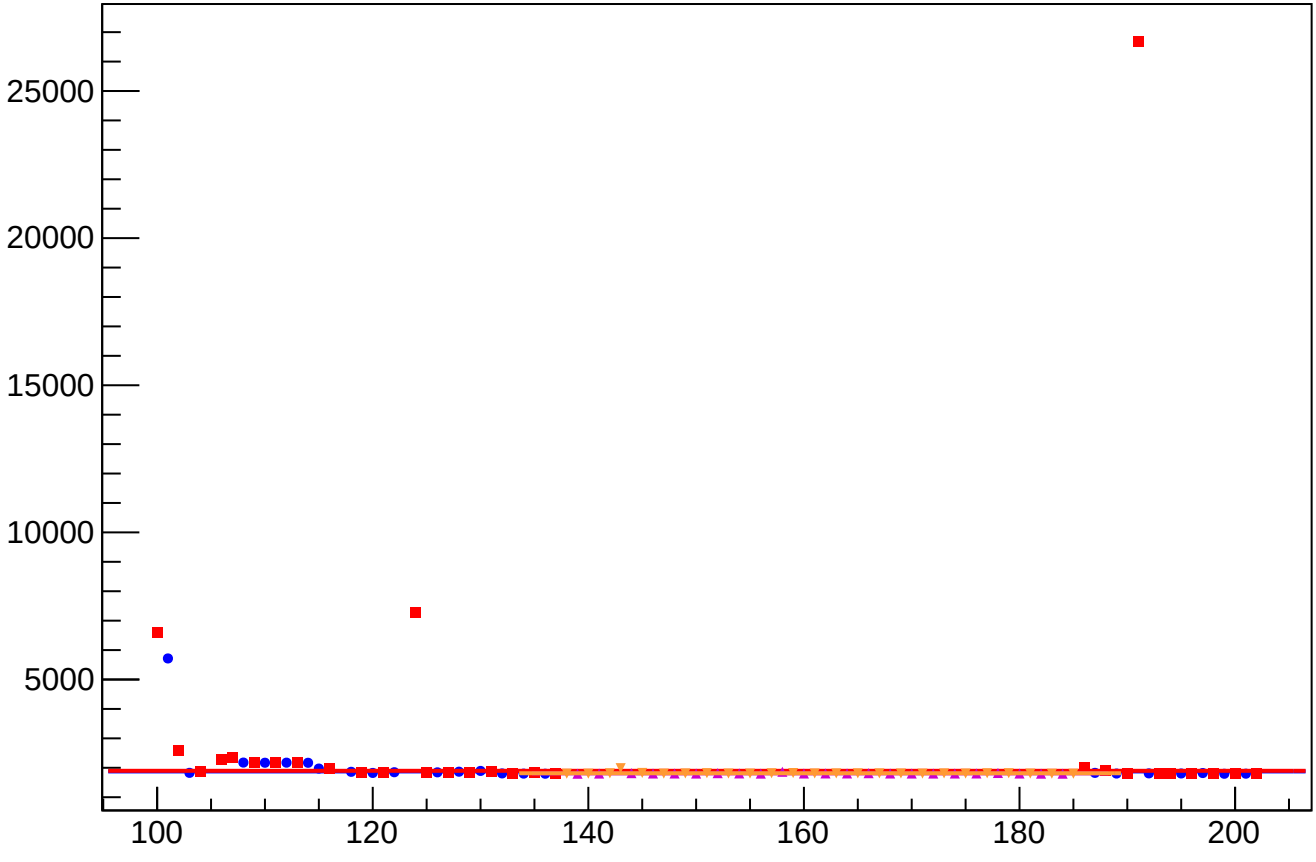
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -539.070+/-327.898 χ^2/NDF: 45.4/47

All: -41.869+/-230.713 χ^2/NDF: 100.5/99

- sign 445.616+/-324.679 χ^2/NDF: 50.6/51

cor_asym_at1_dd_rms vs Slug



Right In: 1876.180+/-0.383 χ^2/NDF: 667366.0/22

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1897.386+/-0.359 χ^2/NDF: 744768.0/28

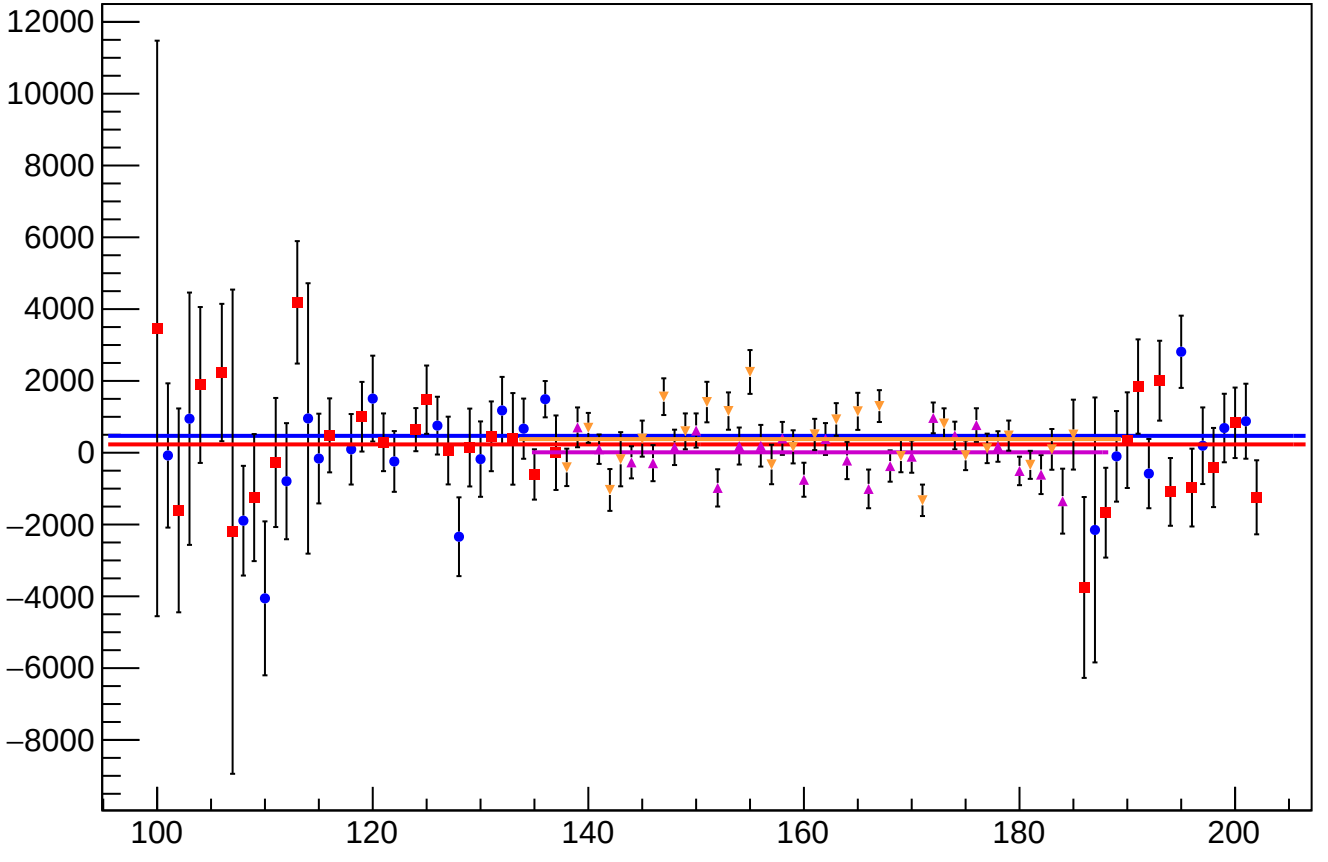
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1837.109+/-0.232 χ^2/NDF: 696947.6/47

All: 1841.650+/-0.163 χ^2/NDF: 1479123.5/99

- sign 1846.102+/-0.230 χ^2/NDF: 781416.4/51

asym_at1_dd_cor_correction_mean vs Slug



Right In: 469.792+/-220.252 χ^2/NDF: 28.8/22

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 231.735+/-207.682 χ^2/NDF: 27.8/28

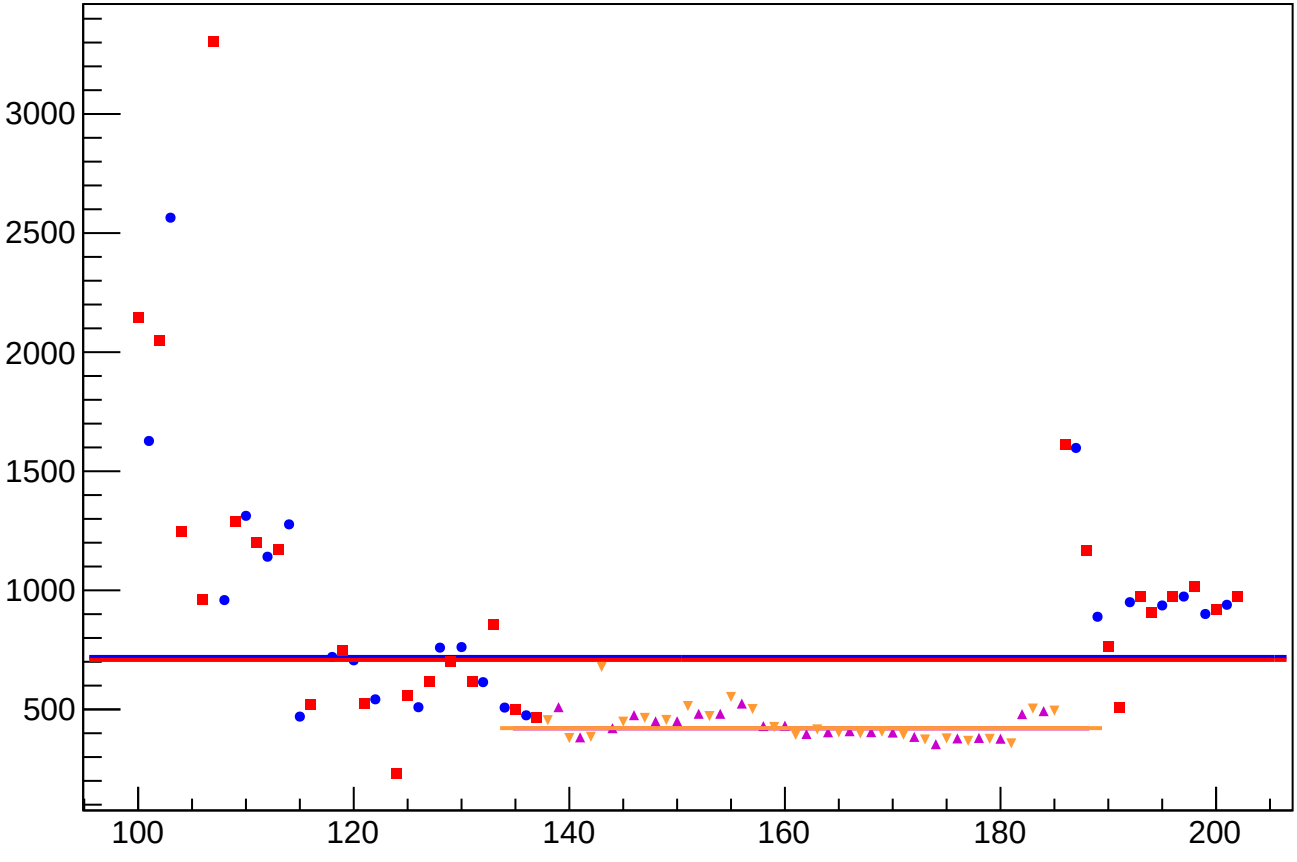
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 394.040+/-88.783 χ^2/NDF: 91.2/47

All: 224.250+/-62.978 χ^2/NDF: 158.5/99

- sign 52.294+/-89.348 χ^2/NDF: 59.9/51

asym_at1_dd_cor_correction_rms vs Slug



Right In: 720.402+/-0.156 χ^2/NDF: 2902350.3/22

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 707.775+/-0.147 χ^2/NDF: 4596918.7/28

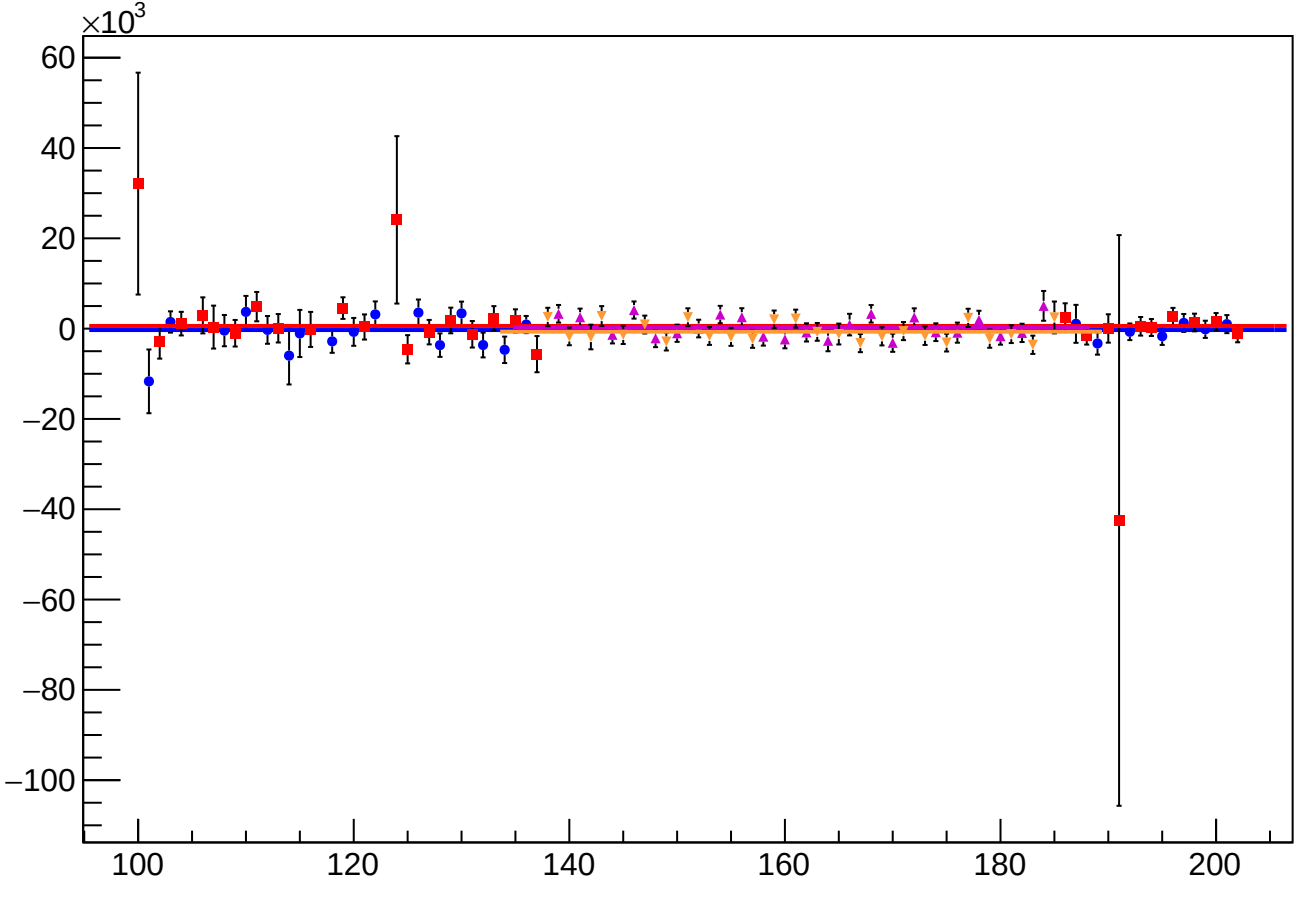
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 470.001+/-0.063 χ^2/NDF: 6731887.7/47

All: 471.710+/-0.045 χ^2/NDF: 14868054.4/99

- sign 473.440+/-0.063 χ^2/NDF: 8134675.2/51

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -313.404+/-541.096 χ^2/NDF: 20.4/22

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 593.272+/-507.037 χ^2/NDF: 20.3/28

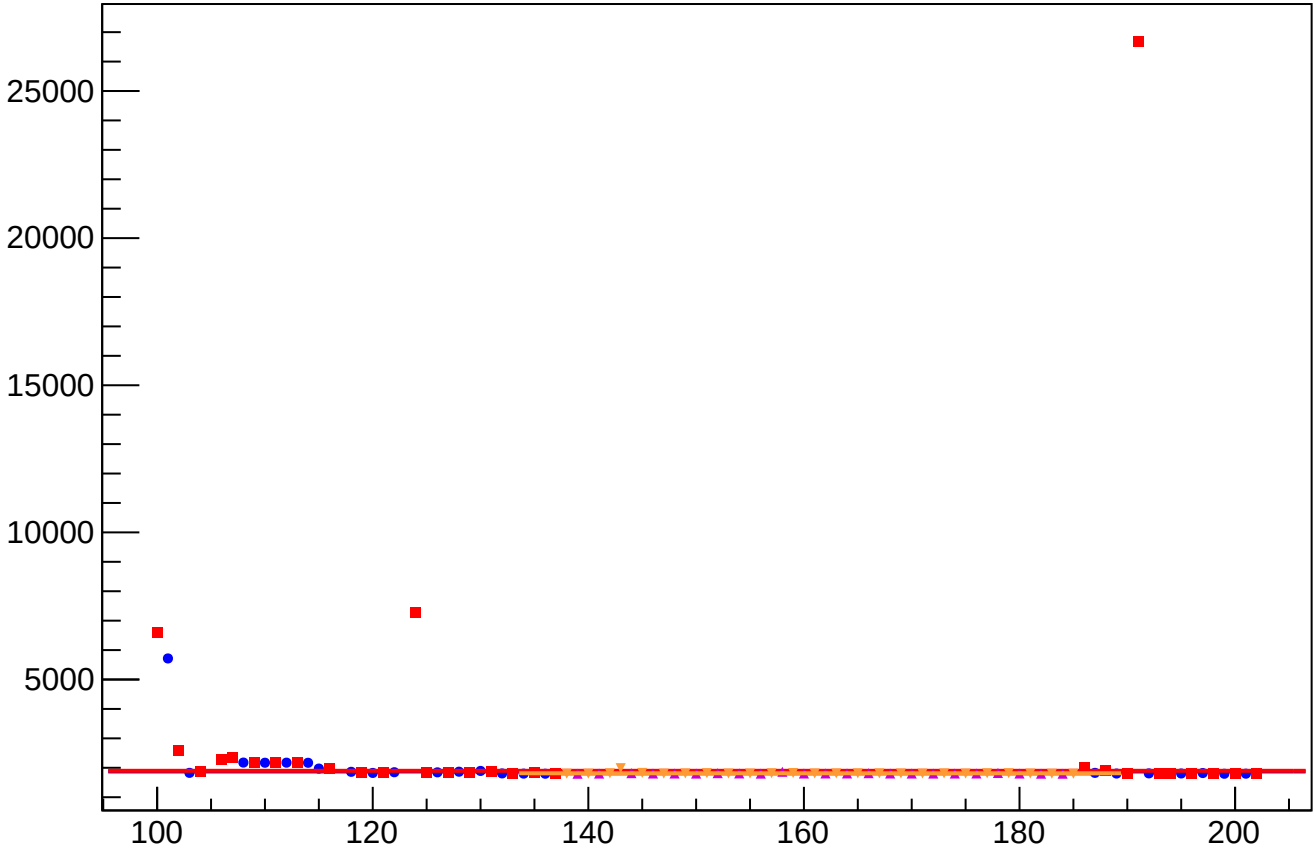
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -539.070+/-327.898 χ^2/NDF: 45.4/47

All: -41.869+/-230.713 χ^2/NDF: 100.5/99

- sign 445.616+/-324.679 χ^2/NDF: 50.6/51

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1876.180+/-0.383 χ^2/NDF: 667366.0/22

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

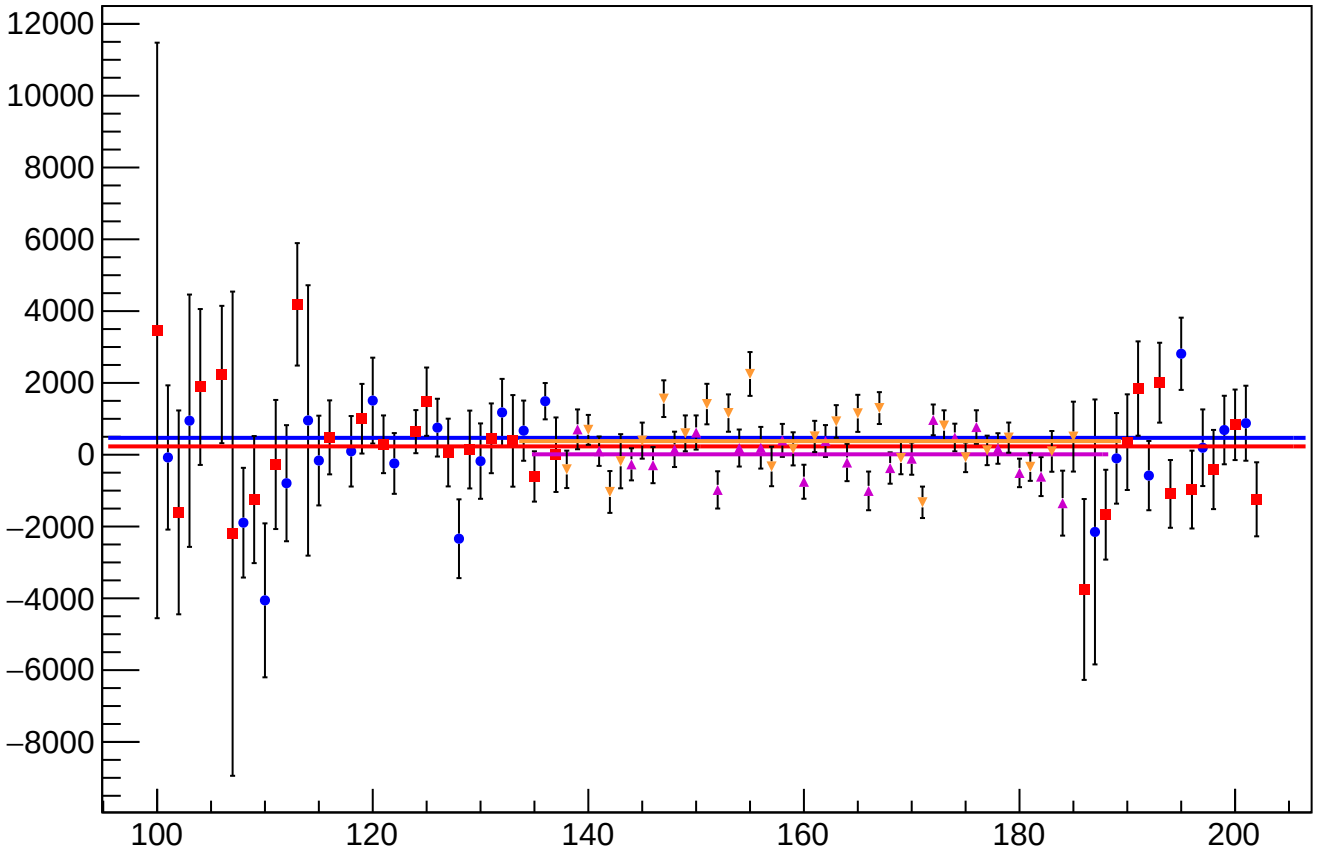
Right Out: 1897.386+/-0.359 χ^2/NDF: 744768.0/28

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1837.109+/-0.232 χ^2/NDF: 696947.6/47

All: 1841.650+/-0.163 χ^2/NDF: 1479123.5/99

- sign 1846.102+/-0.230 χ^2/NDF: 781416.4/51



Right In: 469.792+/-220.252 χ^2/NDF: 28.8/22

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

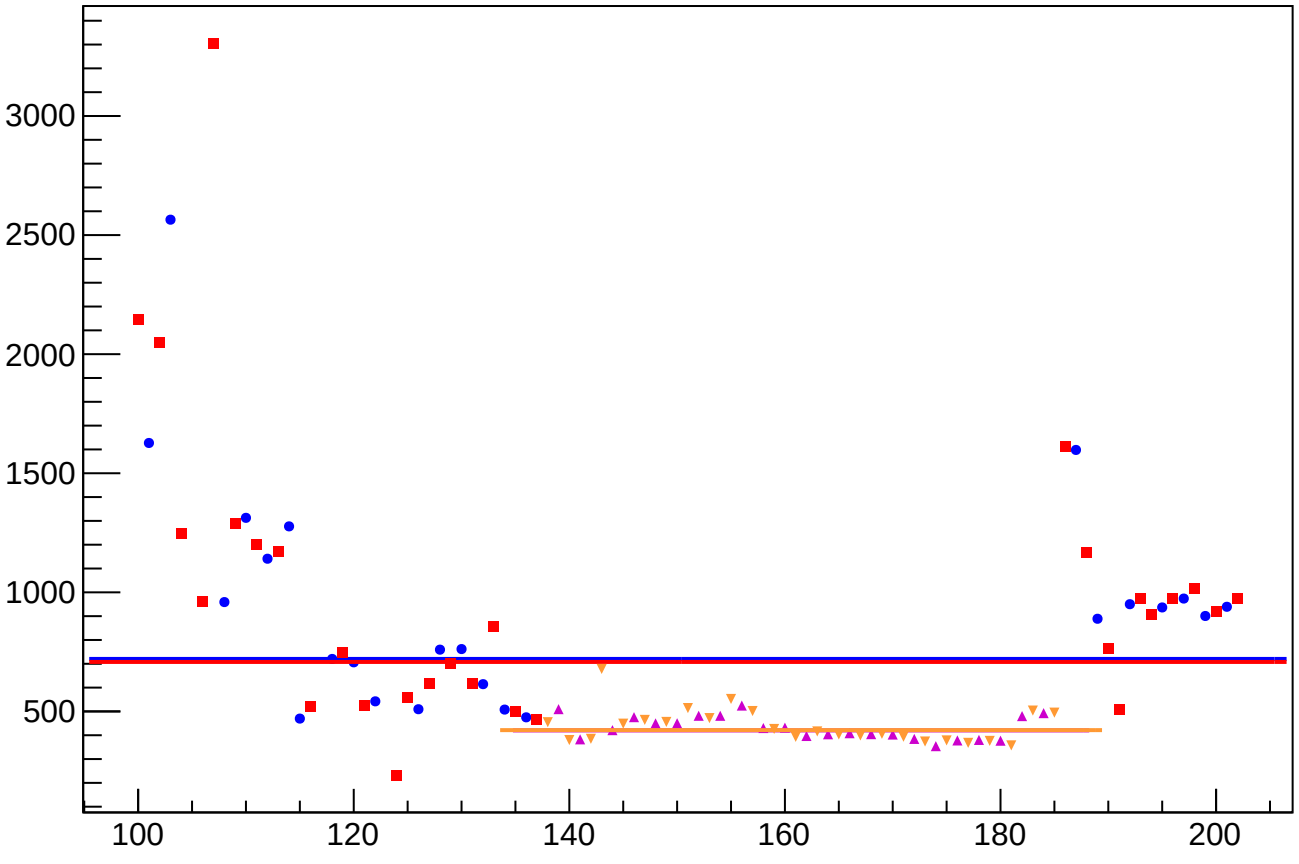
Right Out: 231.735+/-207.682 χ^2/NDF: 27.8/28

Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 394.040+/-88.783 χ^2/NDF: 91.2/47

All: 224.250+/-62.978 χ^2/NDF: 158.5/99

- sign 52.294+/-89.348 χ^2/NDF: 59.9/51



Right In: 720.402+/-0.156 χ^2/NDF: 2902350.3/22

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 707.775+/-0.147 χ^2/NDF: 4596918.7/28

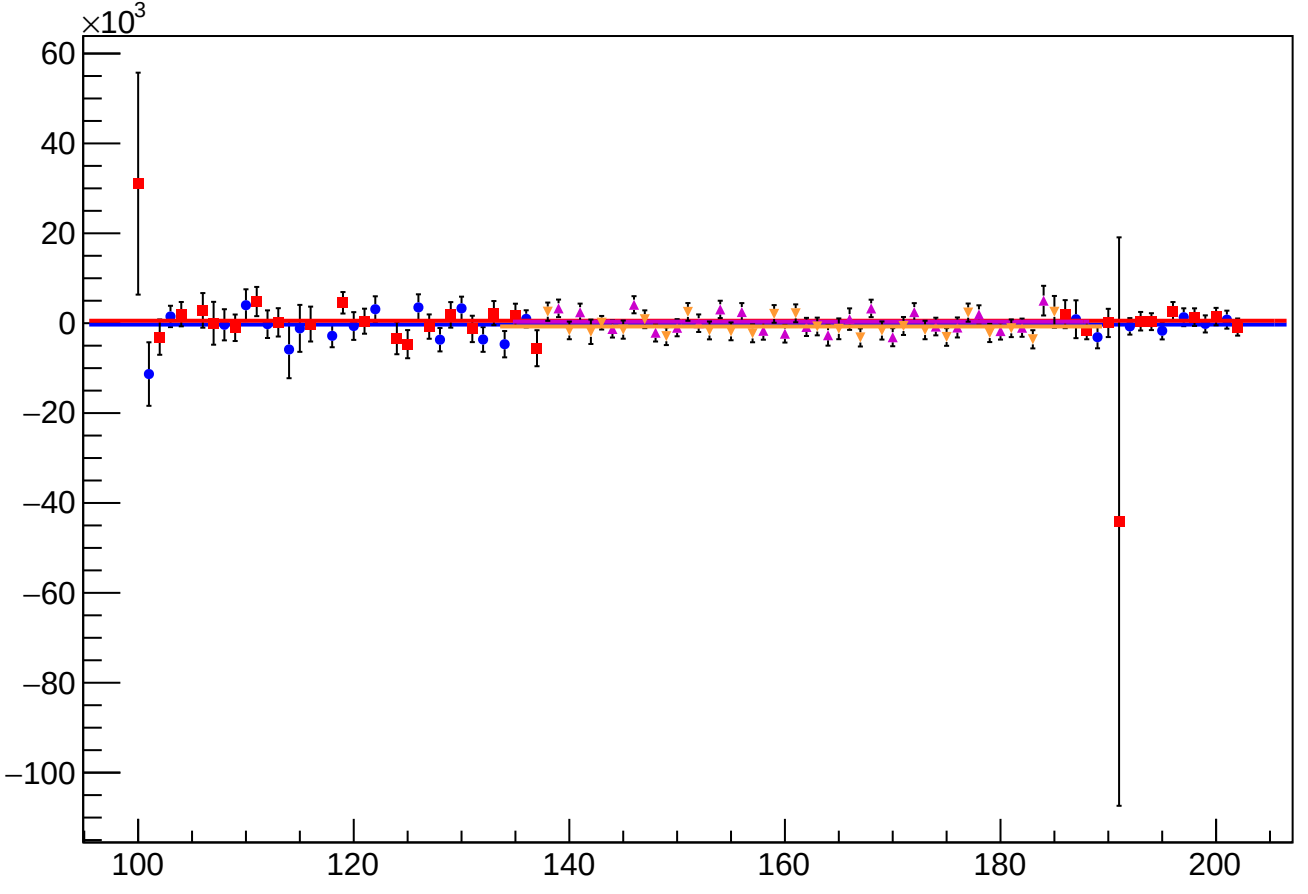
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 470.001+/-0.063 χ^2/NDF: 6731887.7/47

All: 471.710+/-0.045 χ^2/NDF: 14868054.4/99

- sign 473.440+/-0.063 χ^2/NDF: 8134675.2/51

dit_asym_at1_dd_mean vs Slug



Right In: -303.558+/-541.723 χ^2/NDF: 20.0/22

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 545.038+/-503.553 χ^2/NDF: 19.7/28

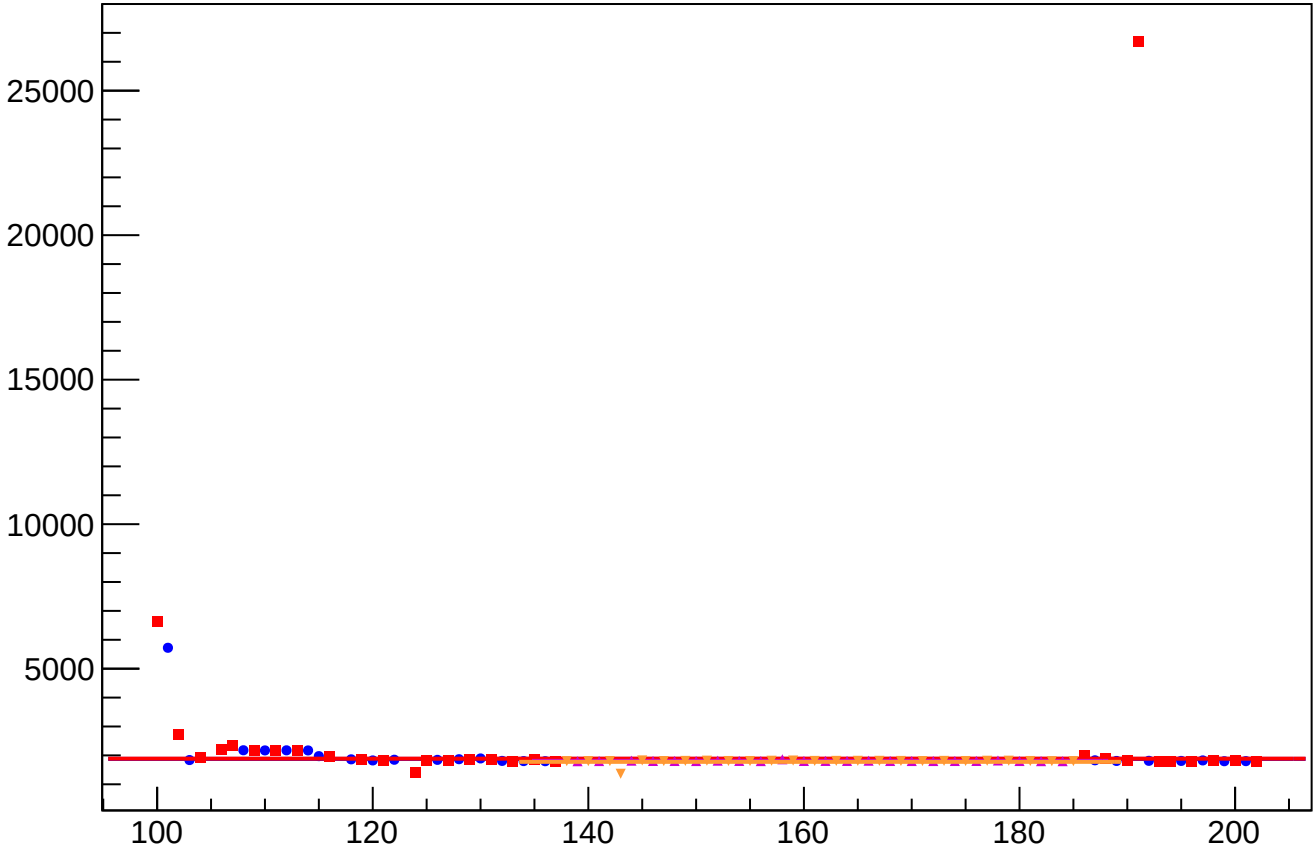
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -573.874+/-324.071 χ^2/NDF: 42.6/47

All: -73.801+/-229.066 χ^2/NDF: 96.8/99

- sign 425.511+/-323.824 χ^2/NDF: 49.4/51

dit_asym_at1_dd_rms vs Slug



Right In: 1878.201+/-0.383 χ^2/NDF: 667009.7/22

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1886.851+/-0.356 χ^2/NDF: 624005.6/28

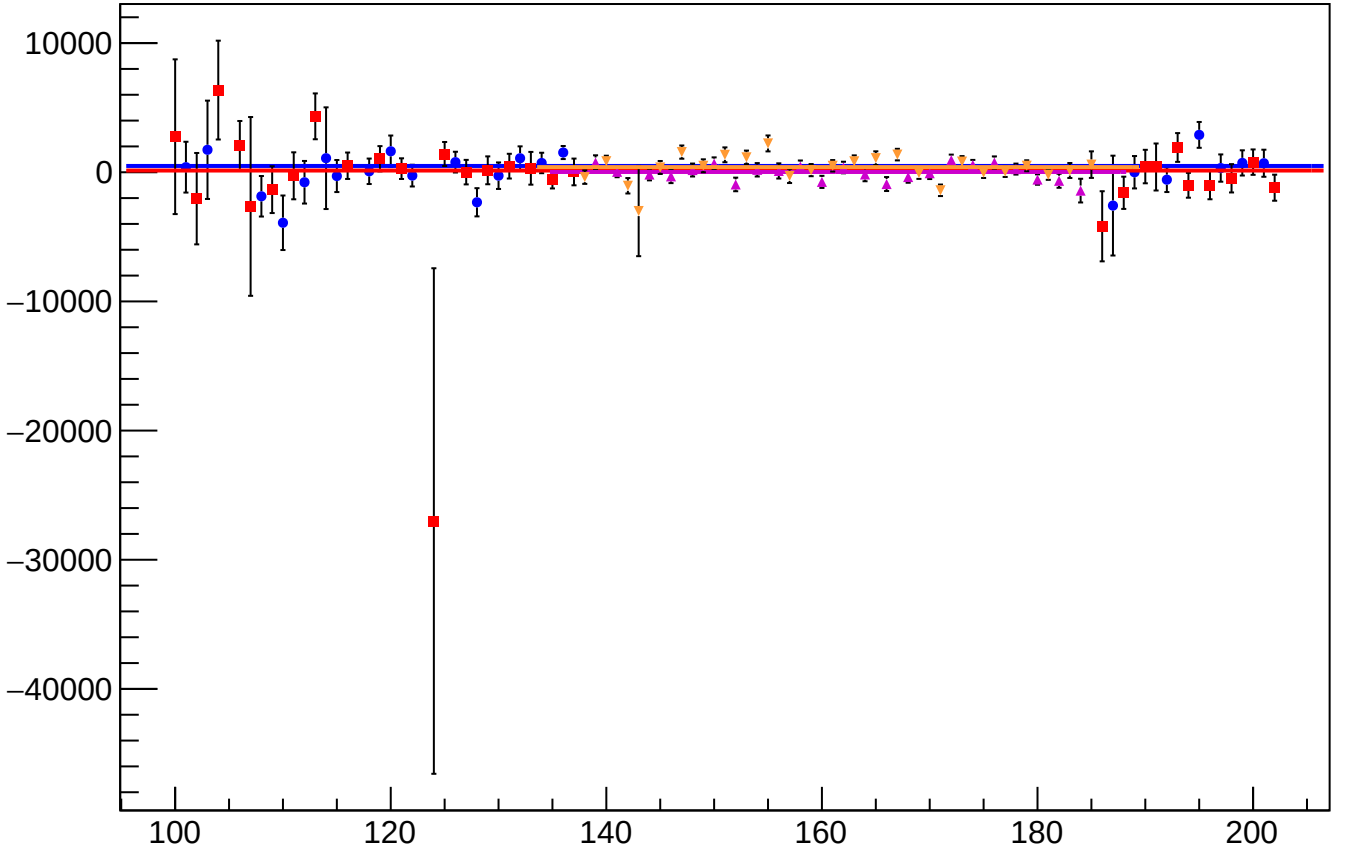
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.038+/-0.229 χ^2/NDF: 873371.7/47

All: 1827.739+/-0.162 χ^2/NDF: 1534121.5/99

- sign 1842.417+/-0.229 χ^2/NDF: 652524.9/51

asym_at1_dd_dit_correction_mean vs Slug



Right In: 488.252+/-219.139 χ^2/NDF: 29.5/22

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 134.575+/-223.356 χ^2/NDF: 28.8/28

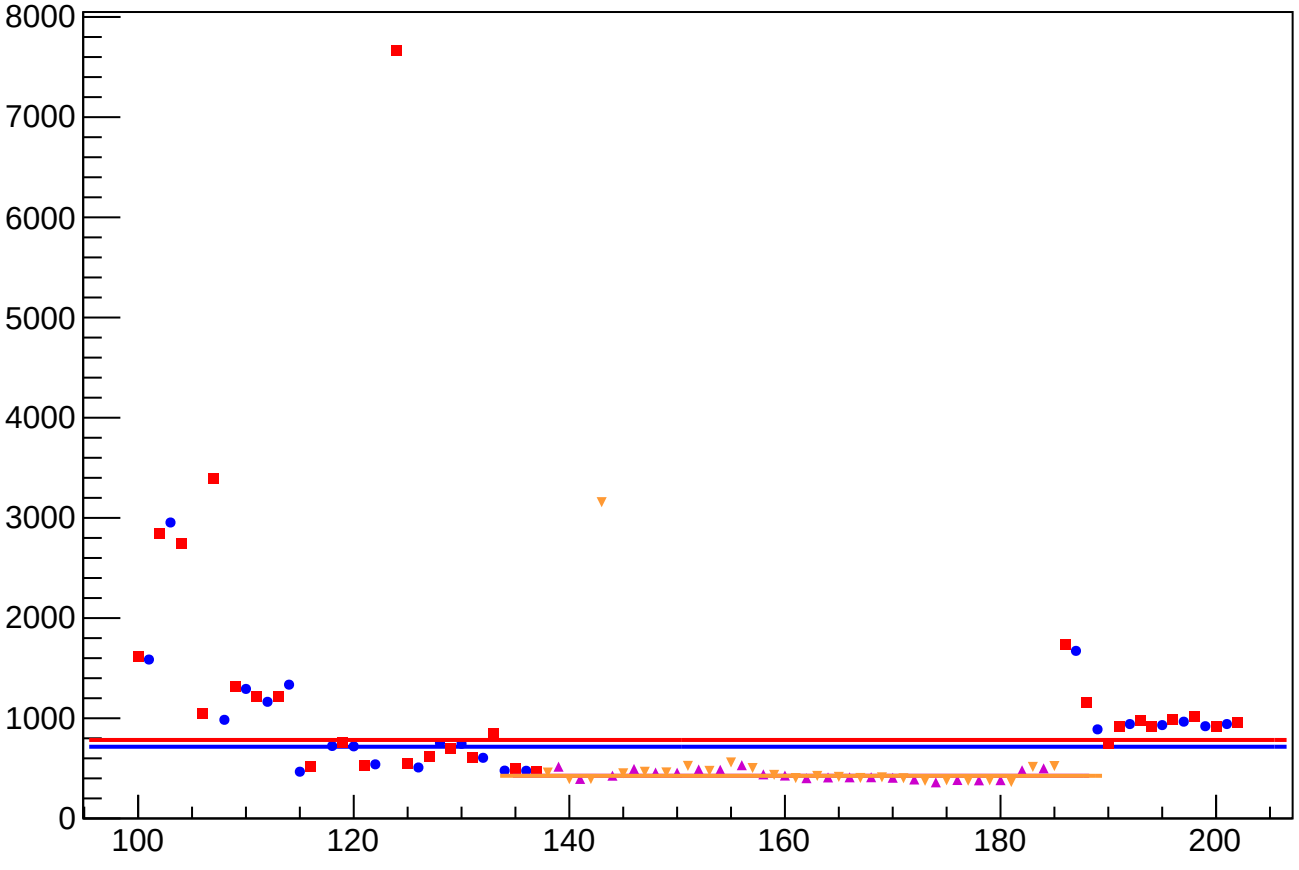
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 413.563+/-90.345 χ^2/NDF: 90.1/47

All: 229.304+/-64.278 χ^2/NDF: 158.4/99

- sign 40.425+/-91.471 χ^2/NDF: 59.8/51

asym_at1_dd_dit_correction_rms vs Slug



Right In: 715.791+/-0.155 χ^2/NDF: 3112406.5/22

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

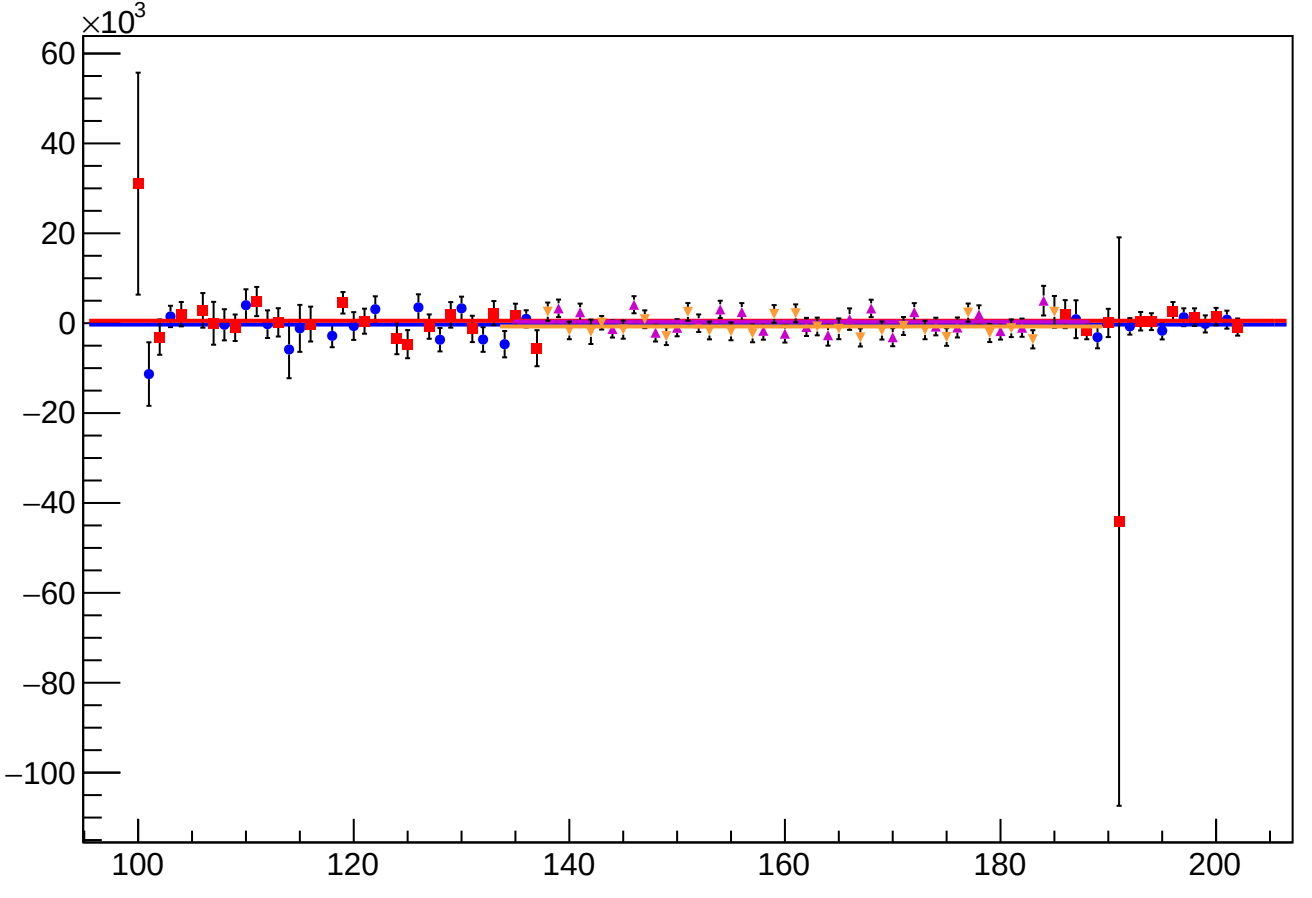
Right Out: 783.473+/-0.158 χ^2/NDF: 4155470.0/28

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 475.004+/-0.064 χ^2/NDF: 7739671.1/47

All: 480.470+/-0.045 χ^2/NDF: 16585702.7/99

- sign 486.073+/-0.065 χ^2/NDF: 8831205.0/51



Right In: -303.559+/-541.723 χ^2/NDF: 20.0/22

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 545.037+/-503.553 χ^2/NDF: 19.7/28

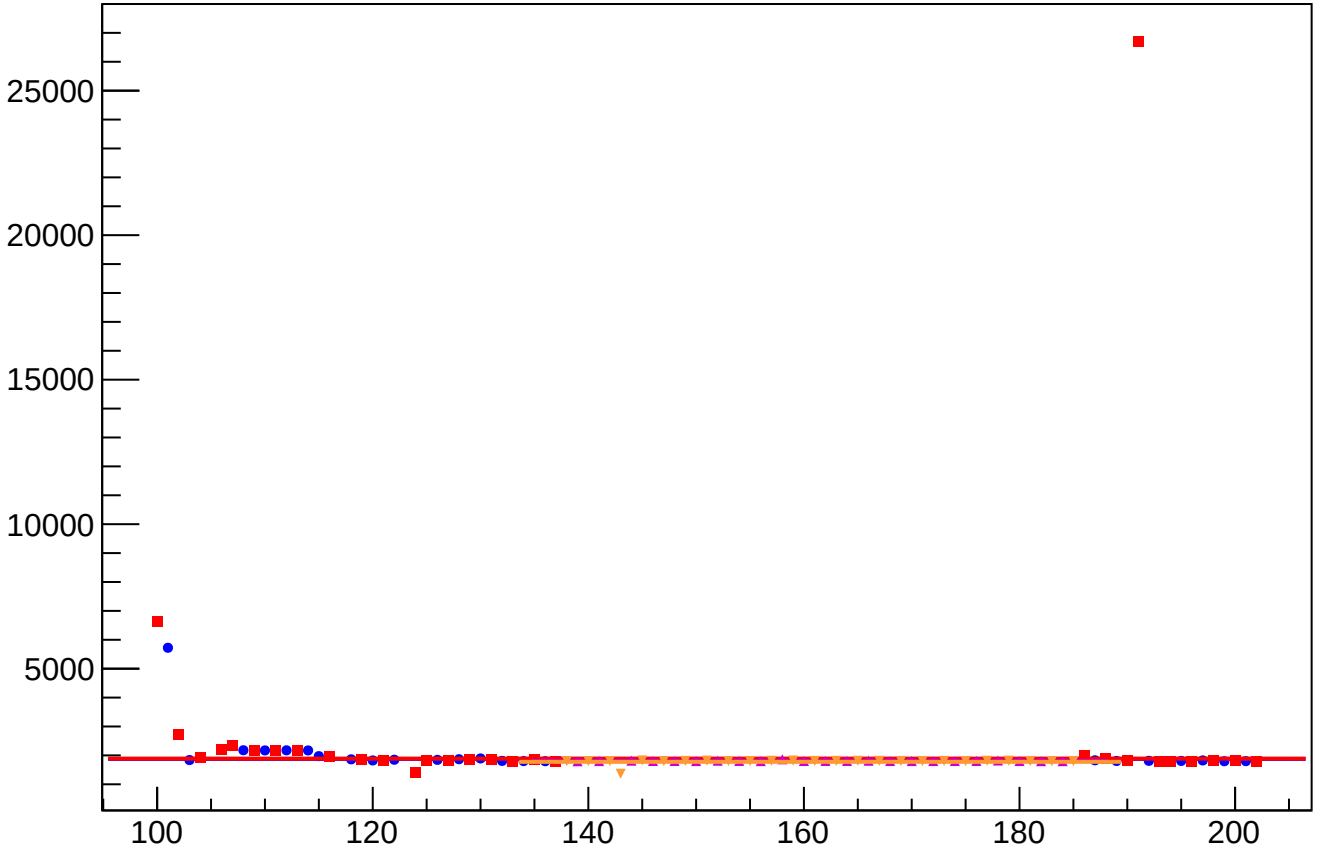
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

\+ sign -573.875+/-324.071 χ^2/NDF: 42.6/47

All: -73.801+/-229.066 χ^2/NDF: 96.8/99

\- sign 425.510+/-323.824 χ^2/NDF: 49.4/51

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1878.201+/-0.383 χ^2/NDF: 667009.7/22

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

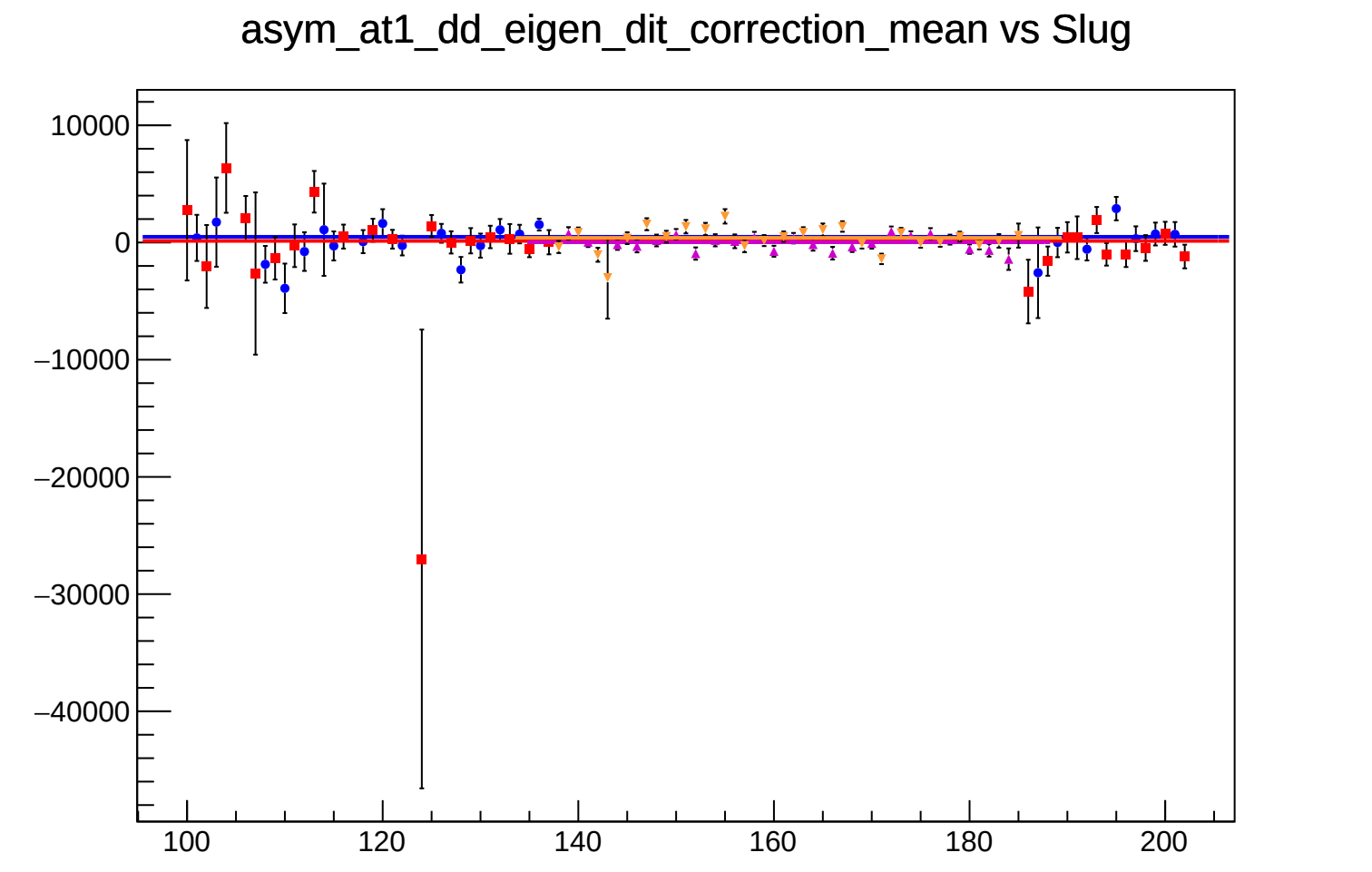
Right Out: 1886.851+/-0.356 χ^2/NDF: 624005.4/28

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.038+/-0.229 χ^2/NDF: 873371.7/47

All: 1827.739+/-0.162 χ^2/NDF: 1534121.3/99

- sign 1842.417+/-0.229 χ^2/NDF: 652524.7/51



Right In: 488.250+/-219.139 χ^2/NDF: 29.5/22

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 134.575+/-223.356 χ^2/NDF: 28.8/28

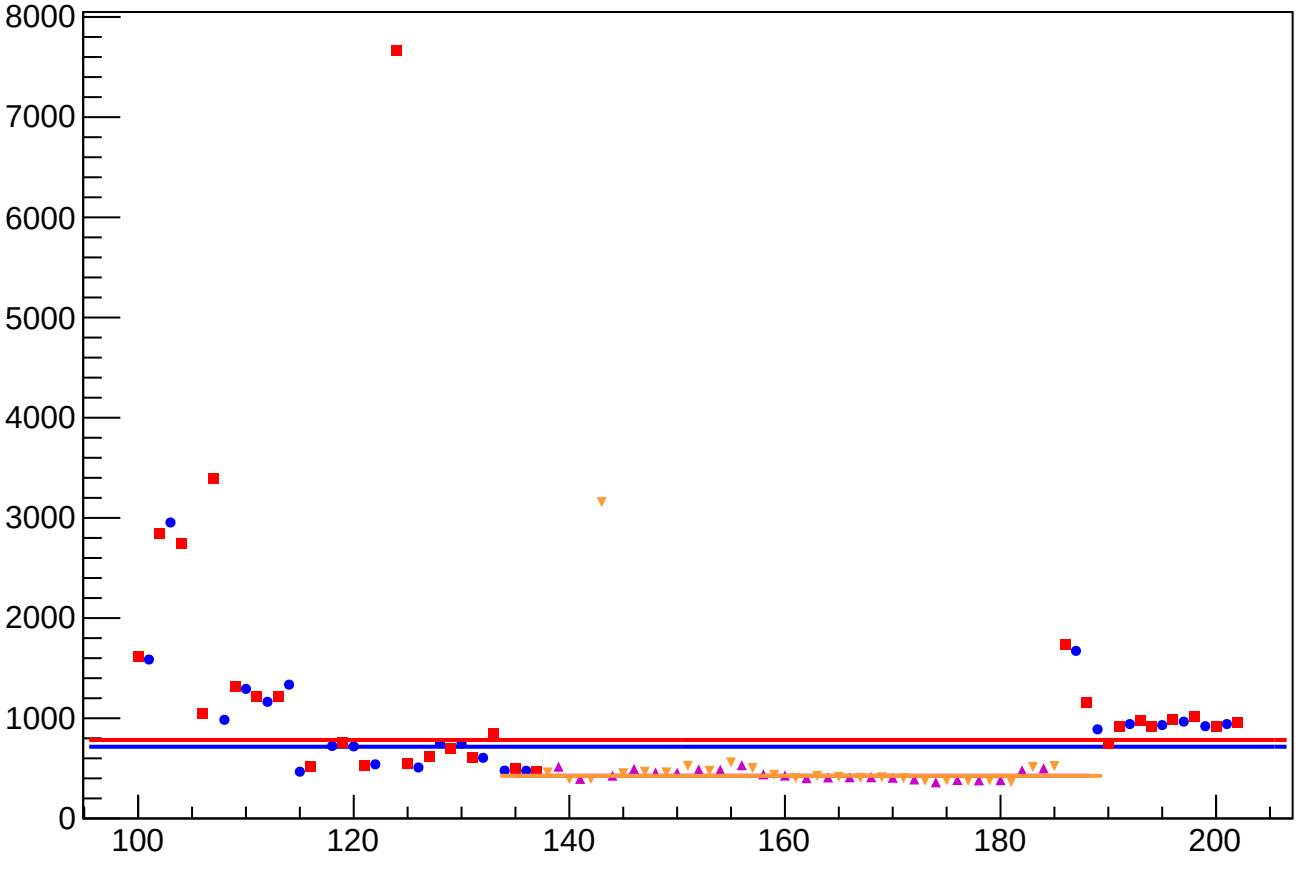
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 413.562+/-90.345 χ^2/NDF: 90.1/47

All: 229.303+/-64.278 χ^2/NDF: 158.4/99

- sign 40.425+/-91.471 χ^2/NDF: 59.8/51

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 715.790+/-0.155 χ^2/NDF: 3112408.1/22

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

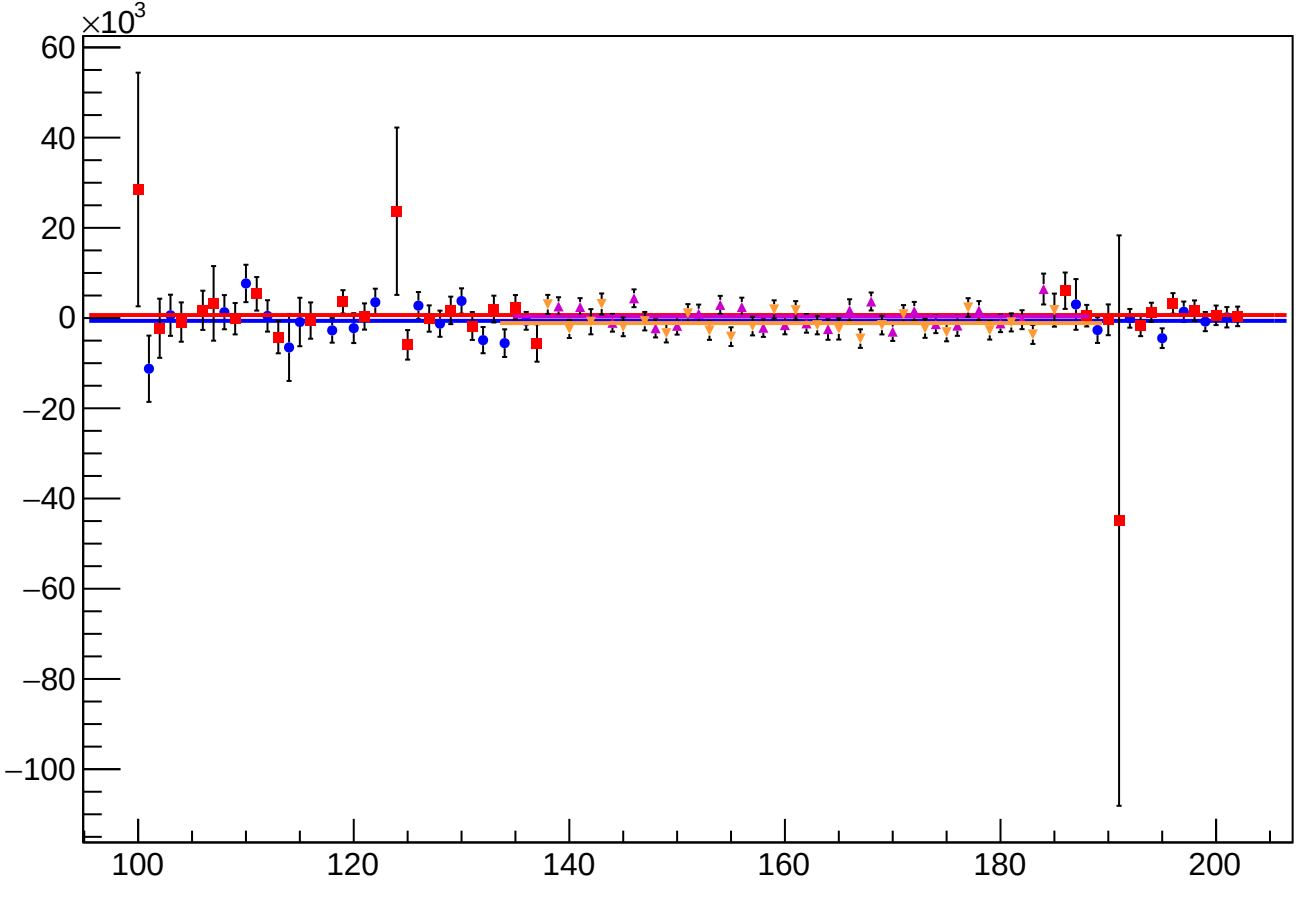
Right Out: 783.473+/-0.158 χ^2/NDF: 4155474.0/28

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 475.003+/-0.064 χ^2/NDF: 7739679.0/47

All: 480.470+/-0.045 χ^2/NDF: 16585720.6/99

- sign 486.073+/-0.065 χ^2/NDF: 8831214.8/51



Right In: -615.107+/-607.323 χ^2/NDF: 23.4/22

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 668.693+/-578.070 χ^2/NDF: 20.8/28

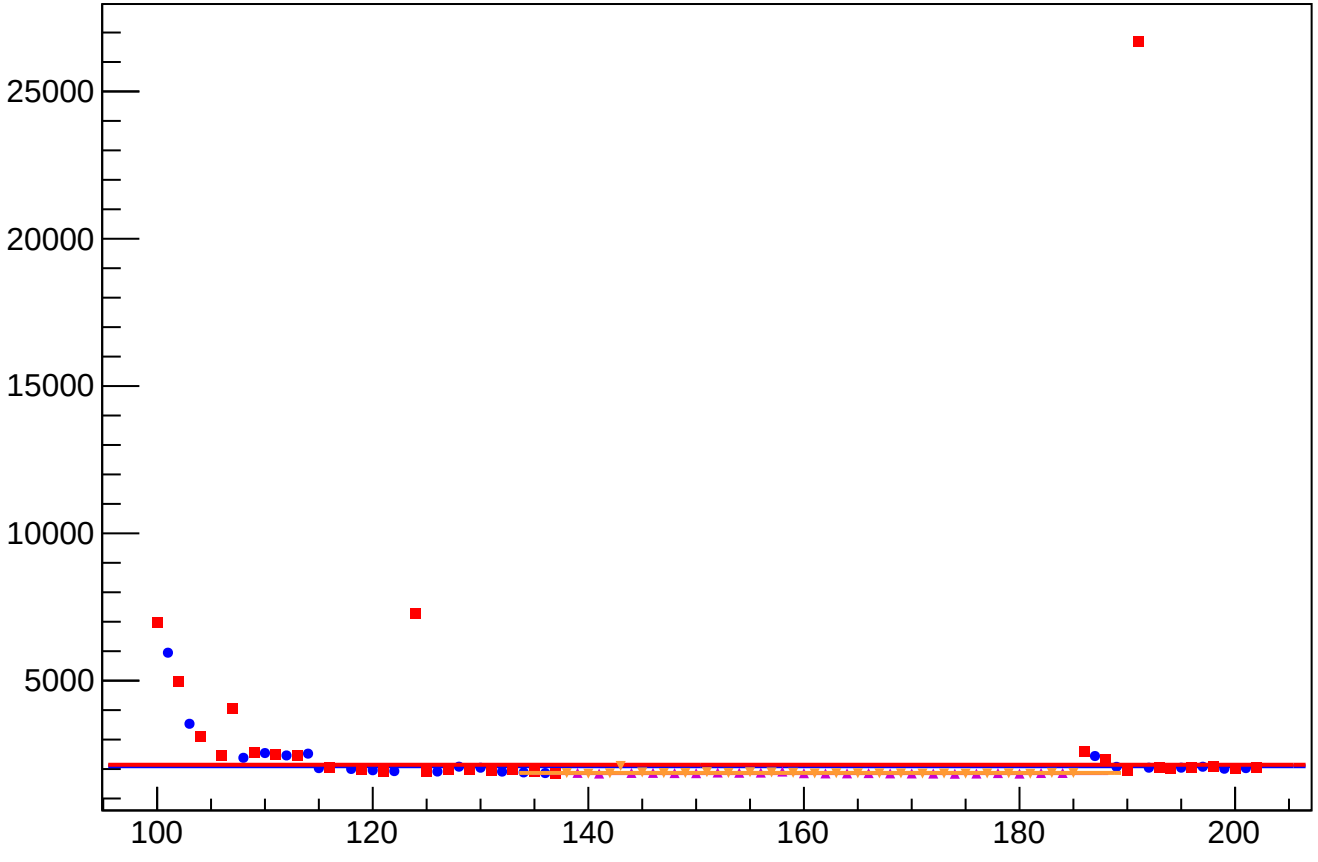
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -944.669+/-348.014 χ^2/NDF: 51.9/47

All: -239.783+/-245.920 χ^2/NDF: 109.9/99

- sign 463.245+/-347.555 χ^2/NDF: 49.8/51

asym_at1_dd_rms vs Slug



Right In: 2095.294+/-0.429 χ^2/NDF: 892794.7/22

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2145.616+/-0.409 χ^2/NDF: 1319360.7/28

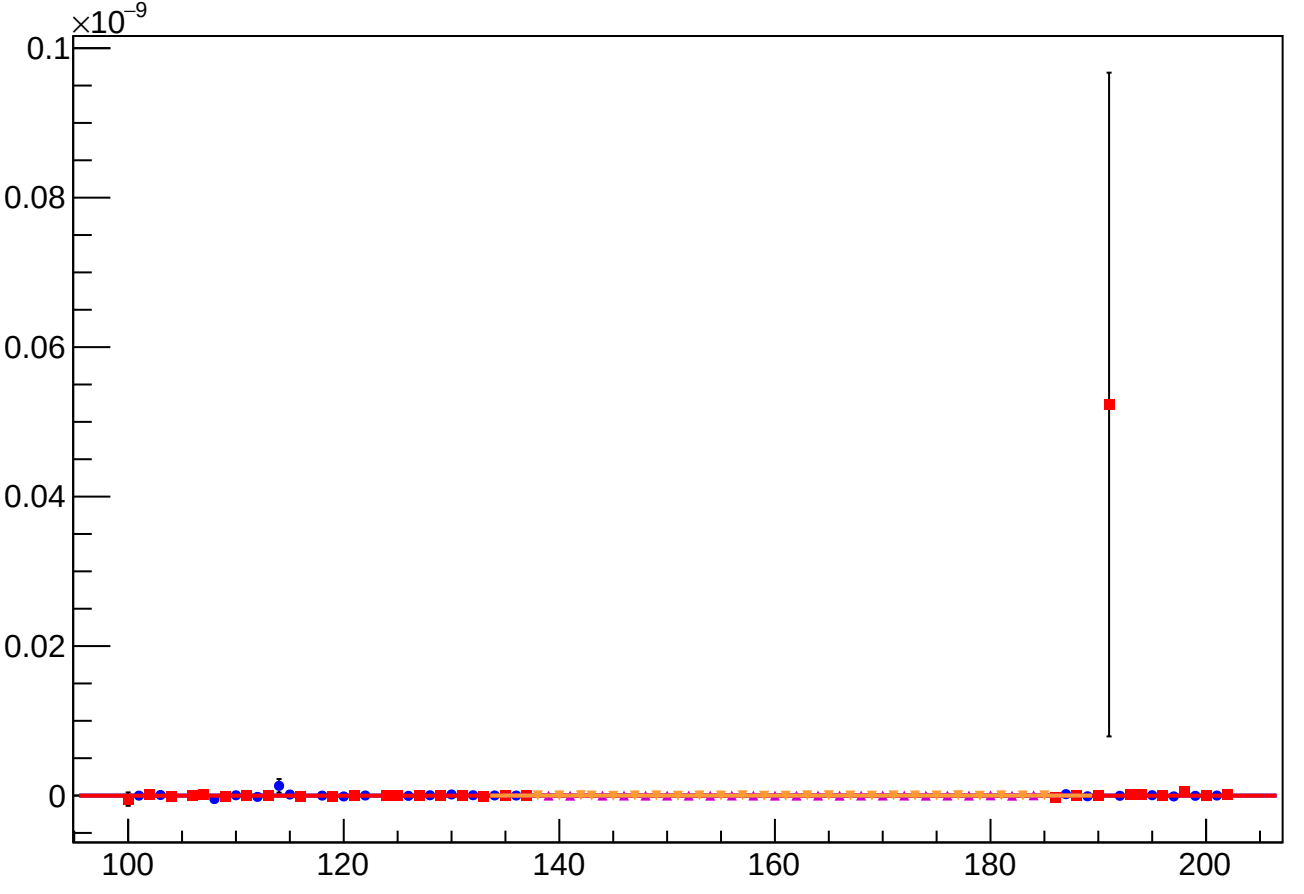
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1943.267+/-0.246 χ^2/NDF: 1102704.3/47

All: 1954.173+/-0.174 χ^2/NDF: 2734311.3/99

- sign 1965.051+/-0.246 χ^2/NDF: 1627683.7/51

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/28

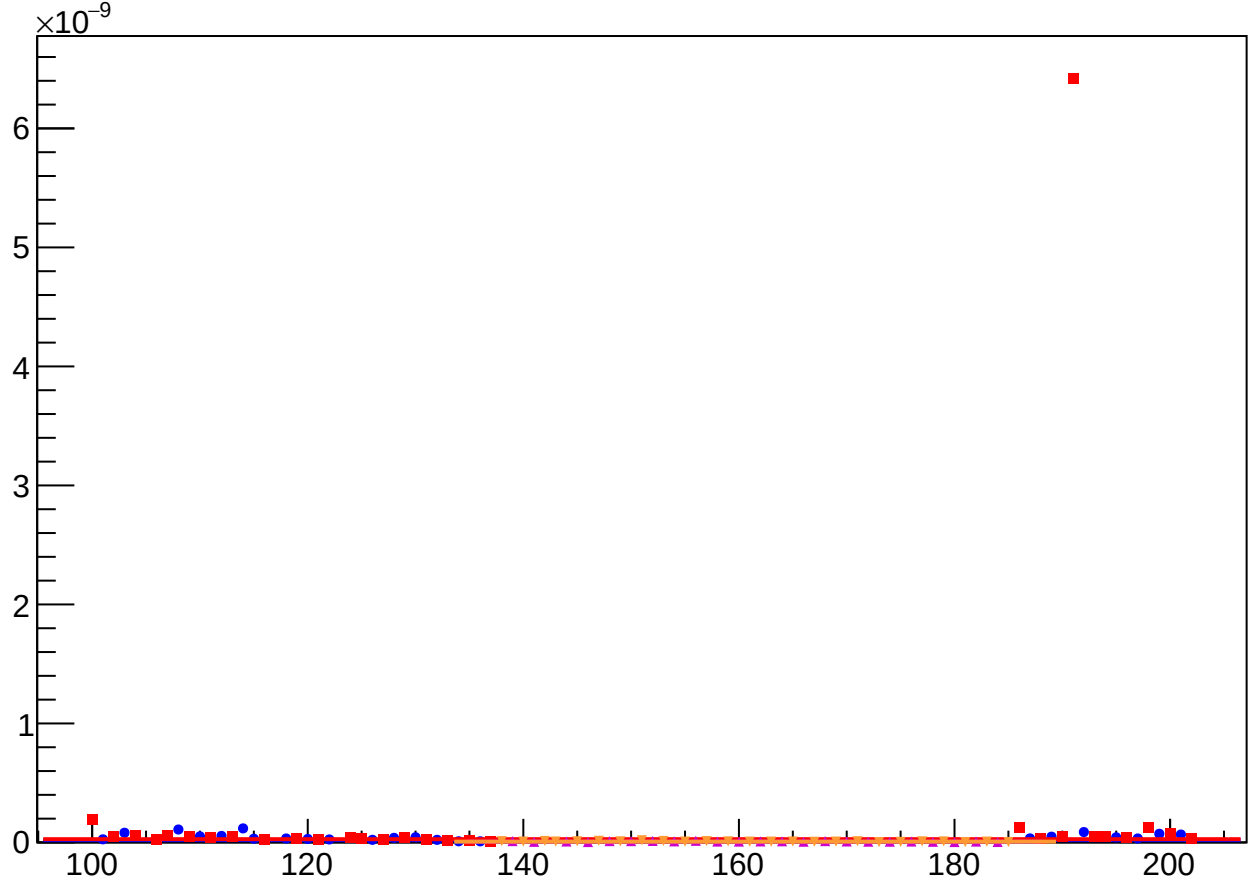
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/47

All: 0.000+/-0.000 χ^2/NDF: 112.7/99

- sign 0.000+/-0.000 χ^2/NDF: 47.6/51

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4122106.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2949028.7/28

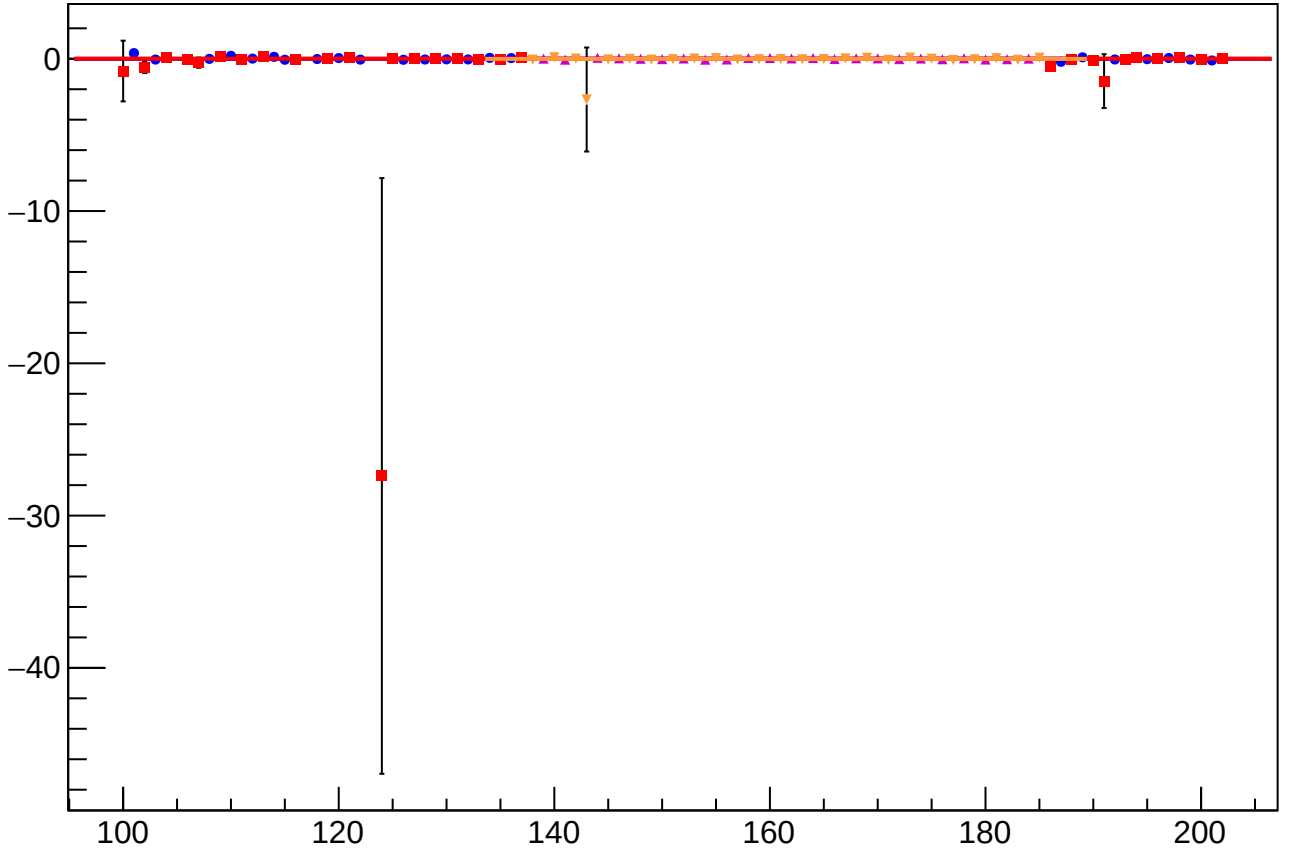
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8165391.0/47

All: 0.000+/-0.000 χ^2/NDF: 16667447.2/99

- sign 0.000+/-0.000 χ^2/NDF: 8497868.0/51

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.013 χ^2/NDF: 27.7/22

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.5/28

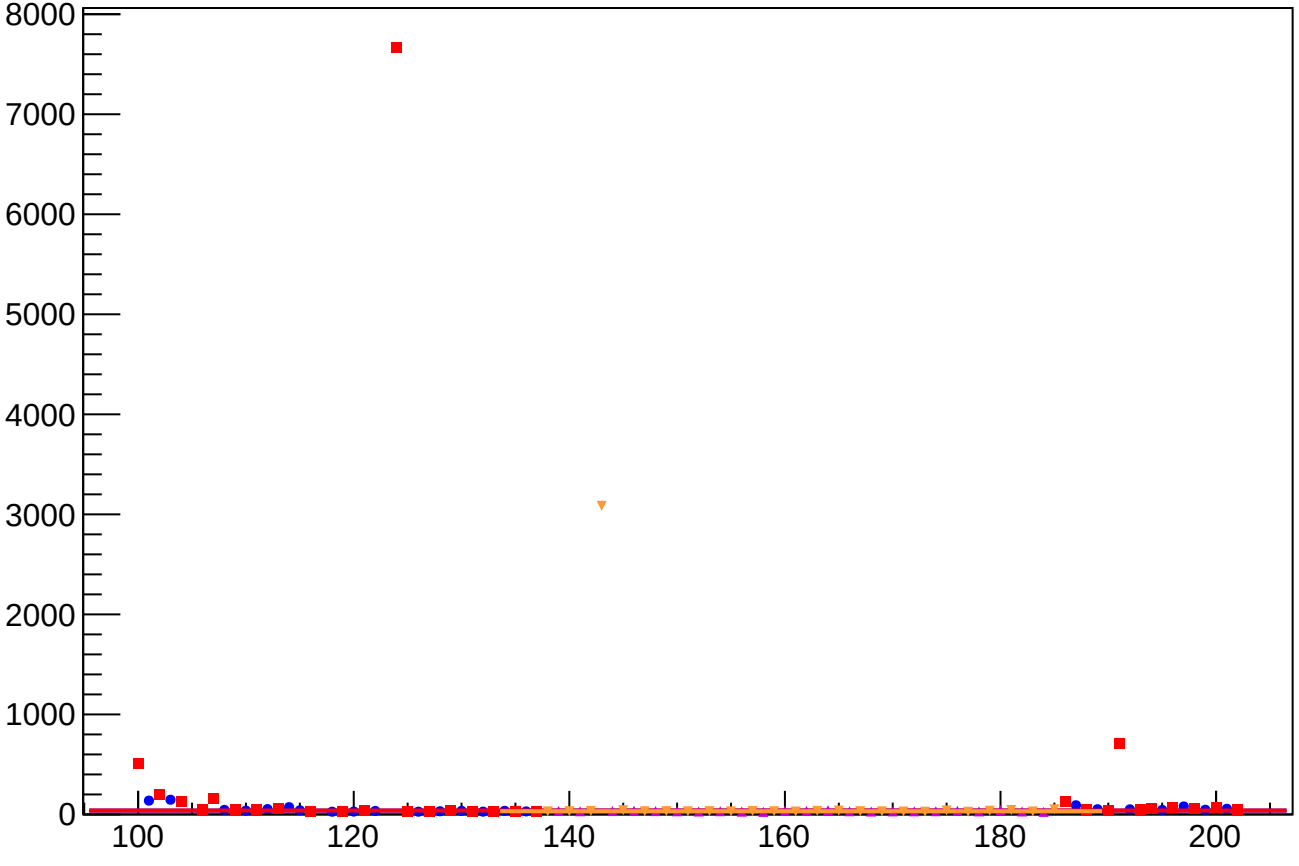
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/47

All: -0.002+/-0.005 χ^2/NDF: 115.5/99

- sign 0.004+/-0.007 χ^2/NDF: 46.3/51

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 38.571+/-0.009 χ^2/NDF: 2788172.2/22

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

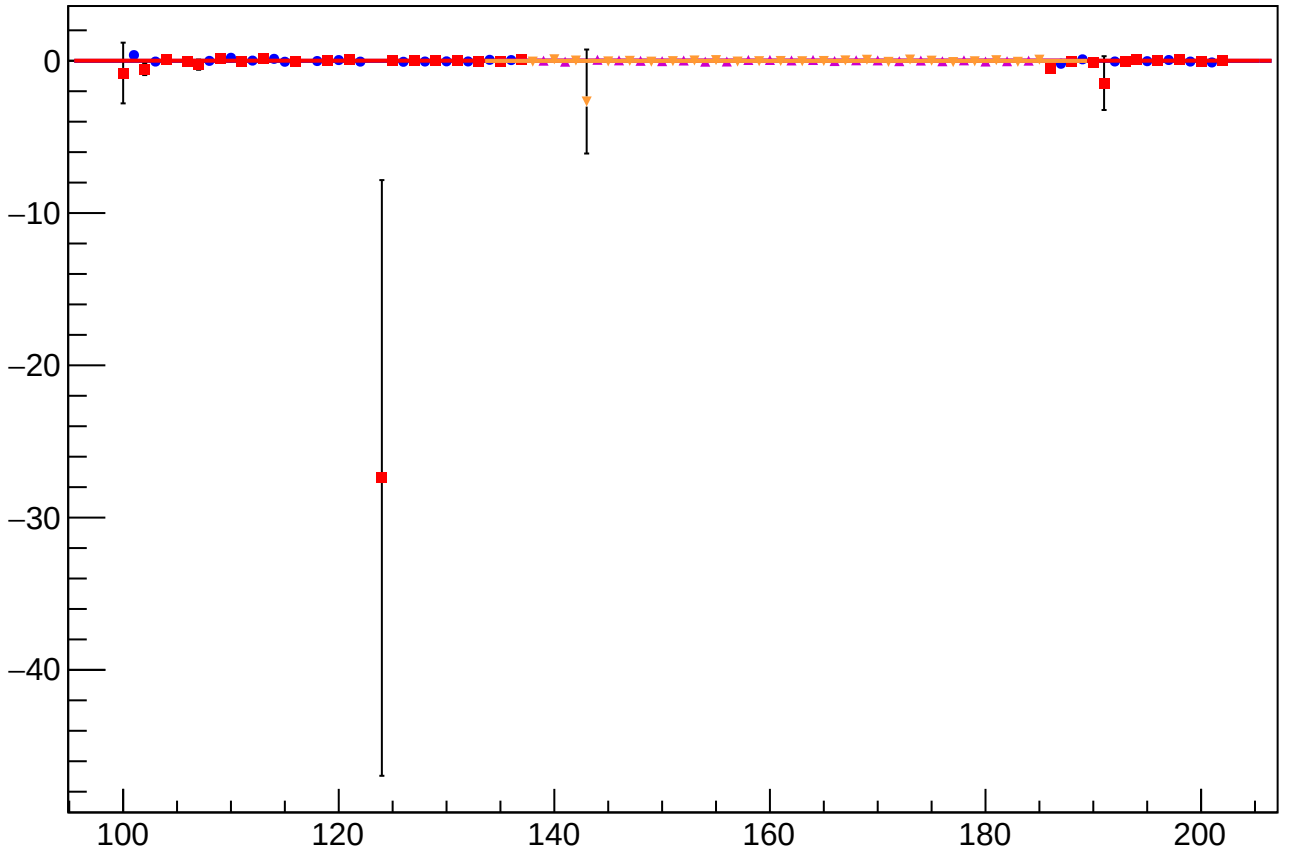
Right Out: 39.520+/-0.009 χ^2/NDF: 4212097.8/28

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 34.114+/-0.005 χ^2/NDF: 5250334.5/47

All: 34.342+/-0.003 χ^2/NDF: 10337056.2/99

- sign 34.570+/-0.005 χ^2/NDF: 5082384.9/51



Right In: -0.007+/-0.013 χ^2/NDF: 27.7/22

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.5/28

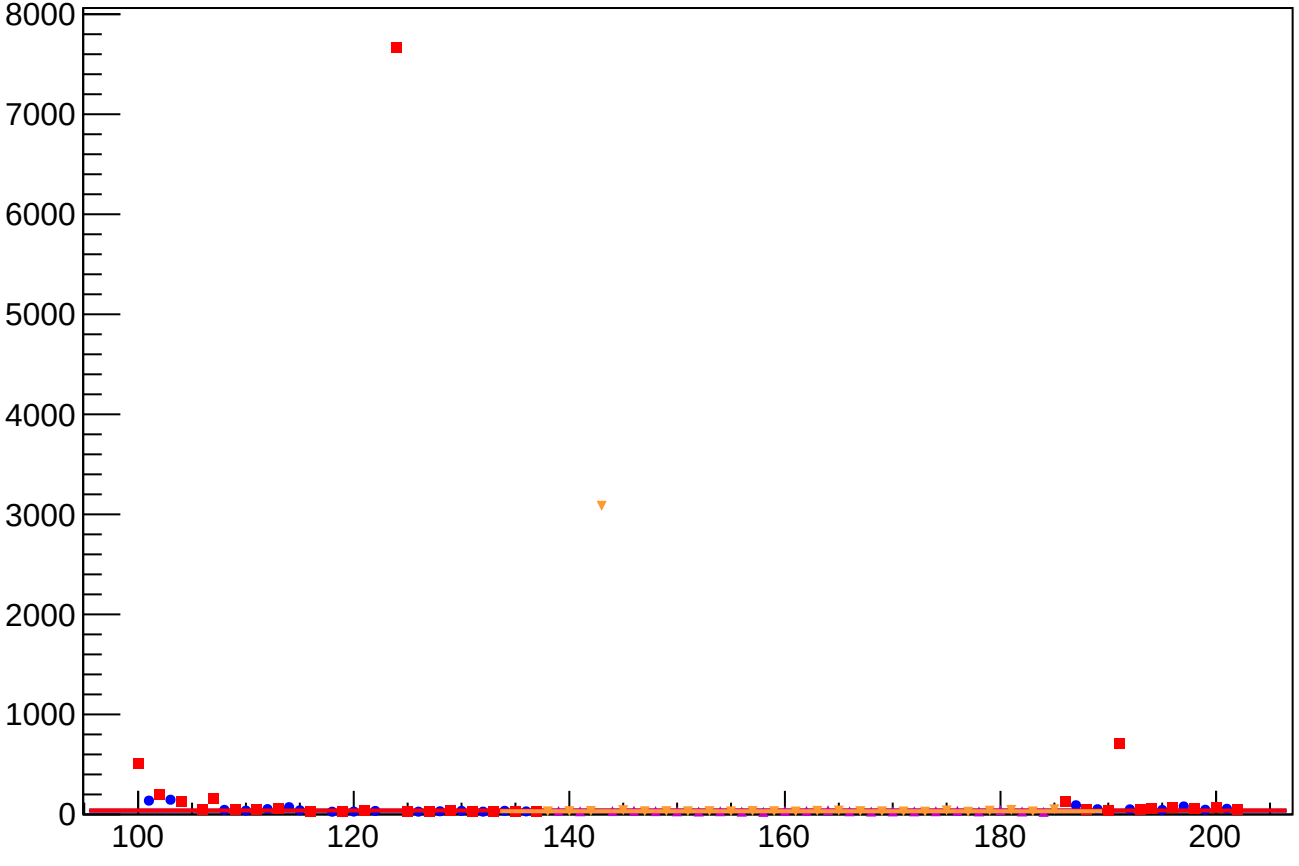
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/47

All: -0.002+/-0.005 χ^2/NDF: 115.5/99

- sign 0.004+/-0.007 χ^2/NDF: 46.3/51

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.571+/-0.009 χ^2/NDF: 2788172.2/22

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

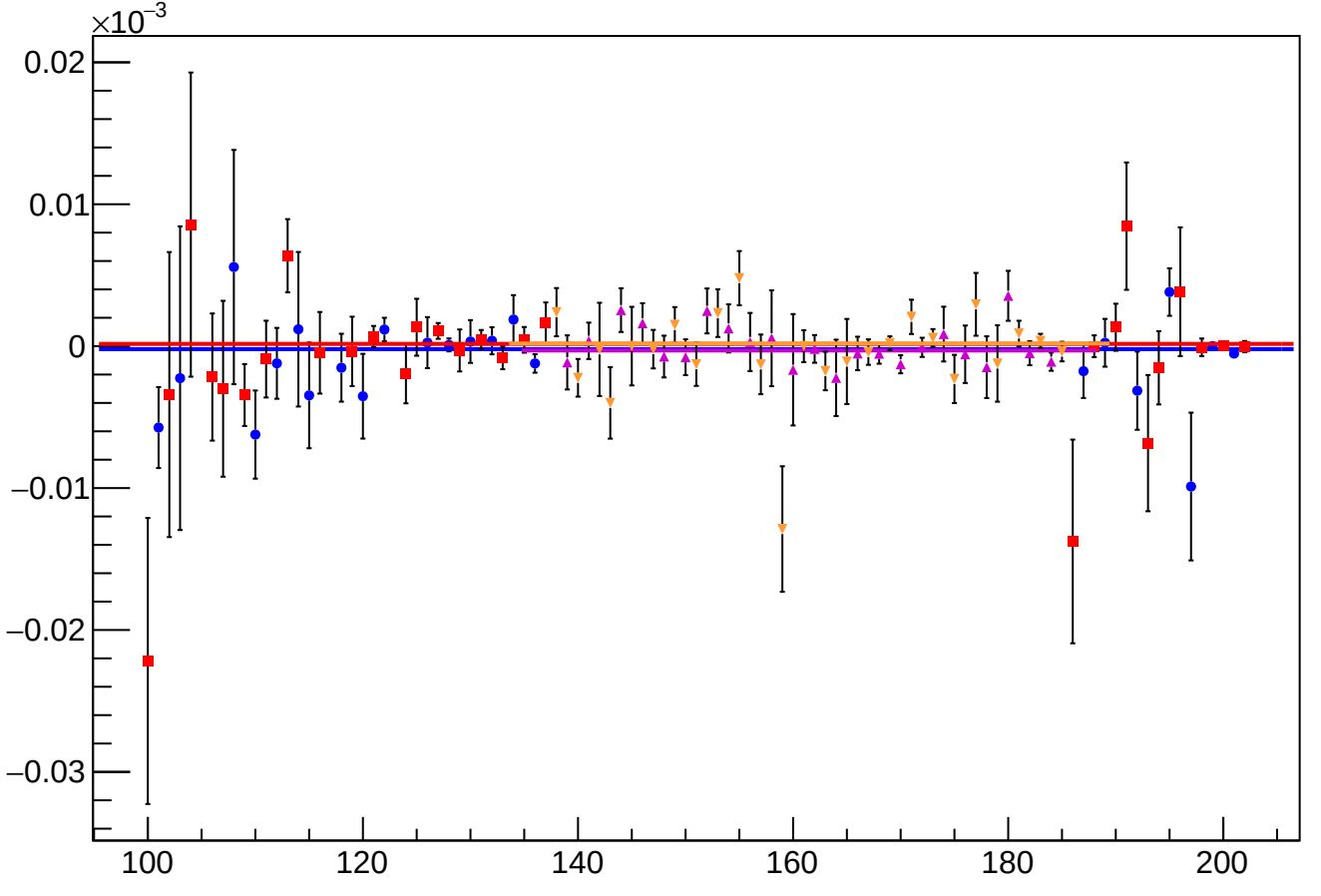
Right Out: 39.520+/-0.009 χ^2/NDF: 4212097.8/28

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 34.114+/-0.005 χ^2/NDF: 5250334.5/47

All: 34.342+/-0.003 χ^2/NDF: 10337056.2/99

- sign 34.570+/-0.005 χ^2/NDF: 5082384.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 31.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/28

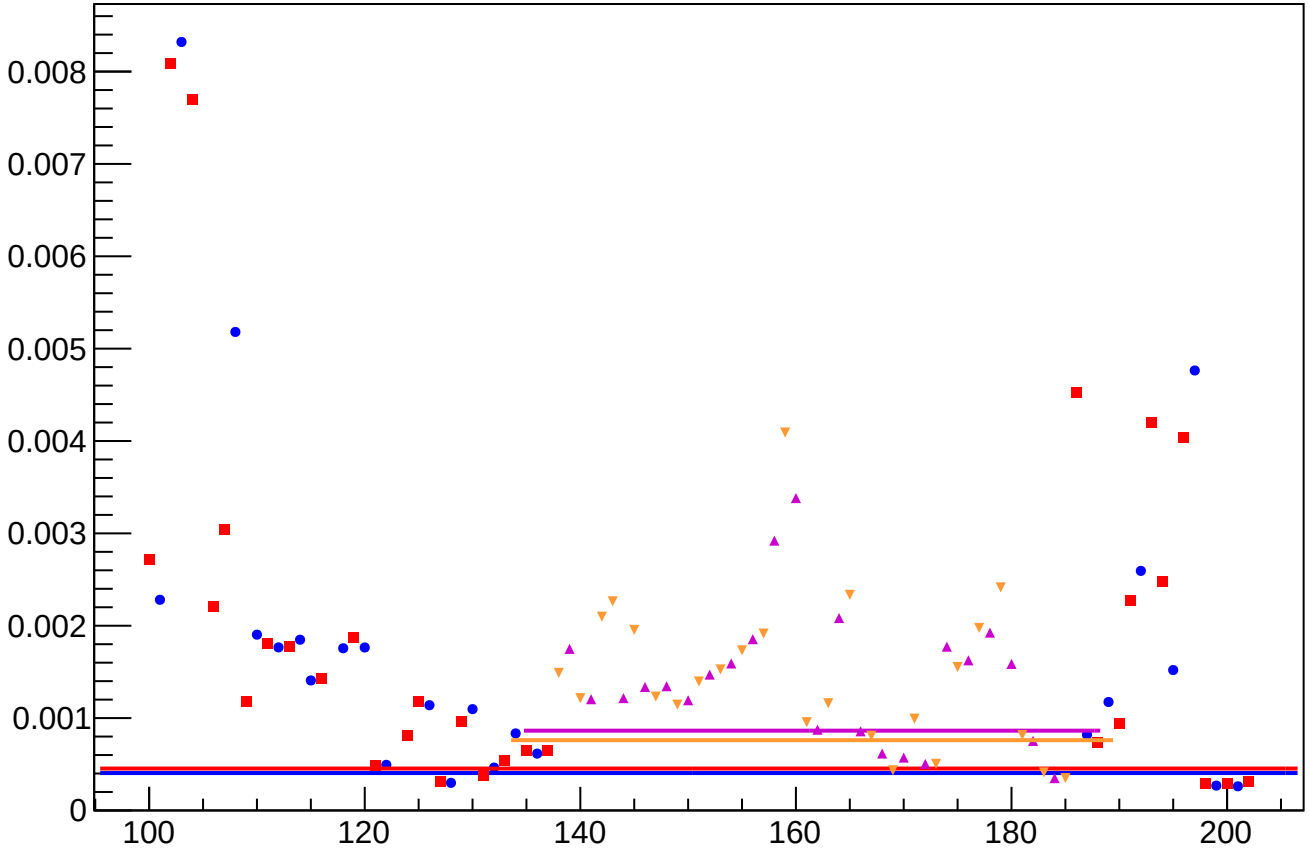
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.7/47

All: -0.000+/-0.000 χ^2/NDF: 127.4/99

- sign 0.000+/-0.000 χ^2/NDF: 56.6/51

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11249198.3/22

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

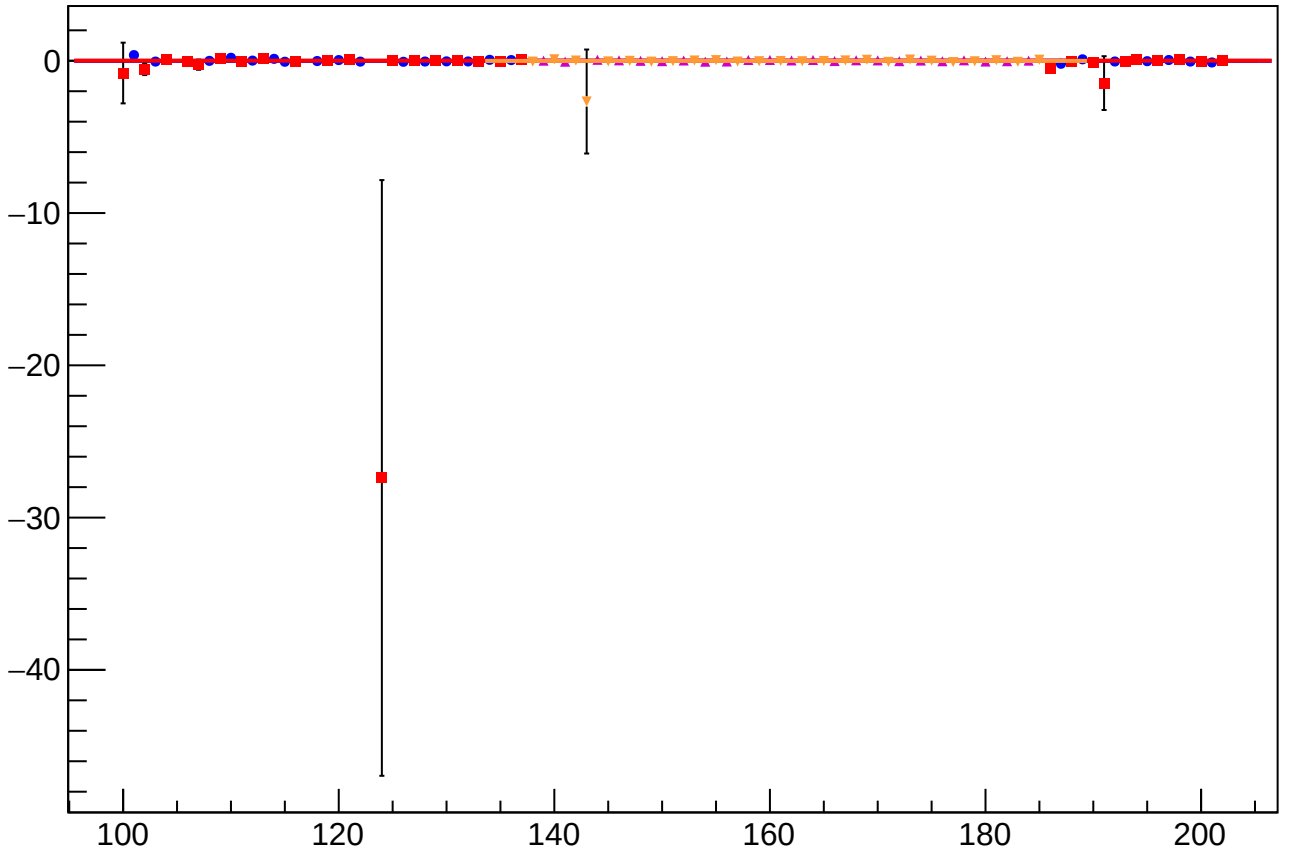
Right Out: 0.000+/-0.000 χ^2/NDF: 11926028.5/28

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 25837230.7/47

All: 0.001+/-0.000 χ^2/NDF: 50243179.0/99

- sign 0.001+/-0.000 χ^2/NDF: 24248280.1/51



Right In: -0.007+/-0.013 χ^2/NDF: 27.7/22

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.5/28

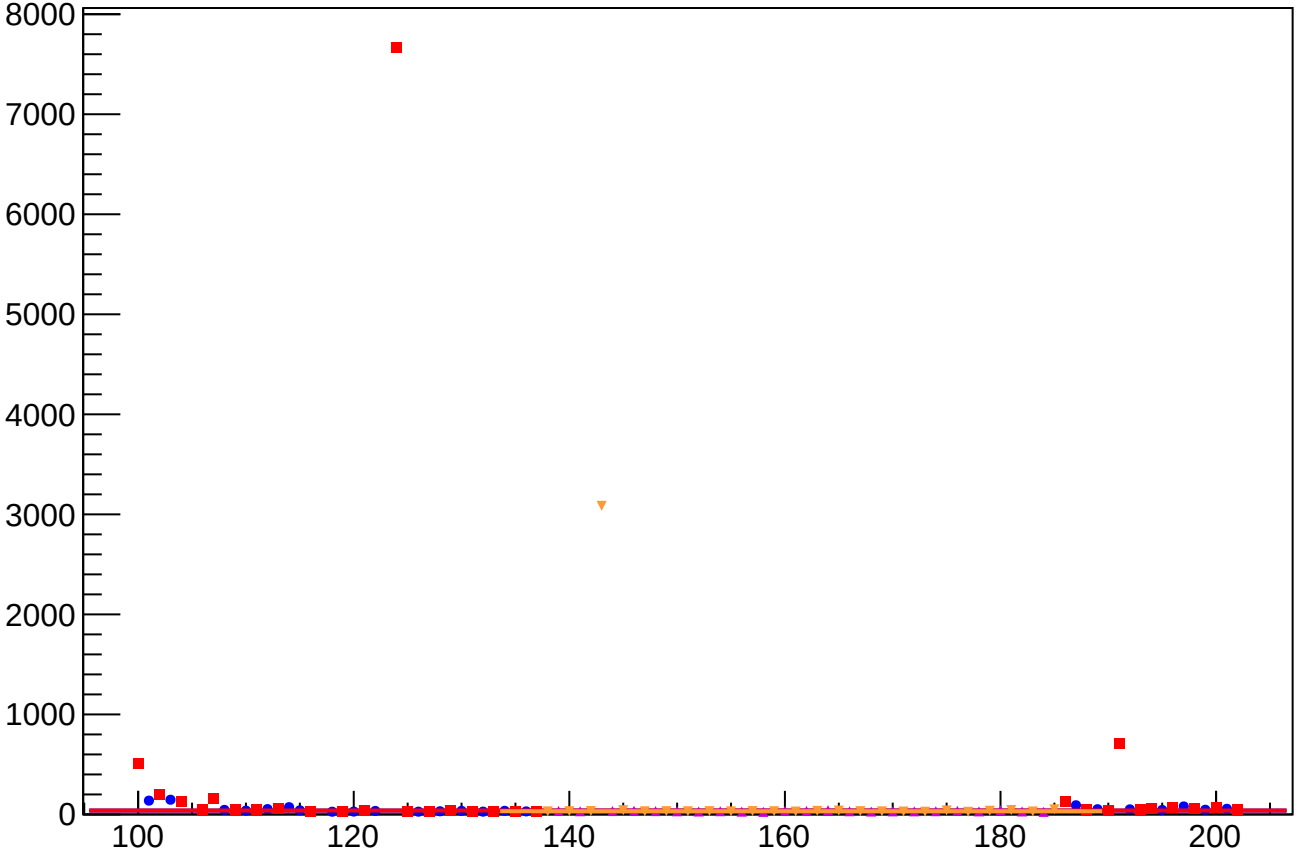
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/47

All: -0.002+/-0.005 χ^2/NDF: 115.5/99

- sign 0.004+/-0.007 χ^2/NDF: 46.3/51

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 38.571+/-0.009 χ^2/NDF: 2788143.7/22

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

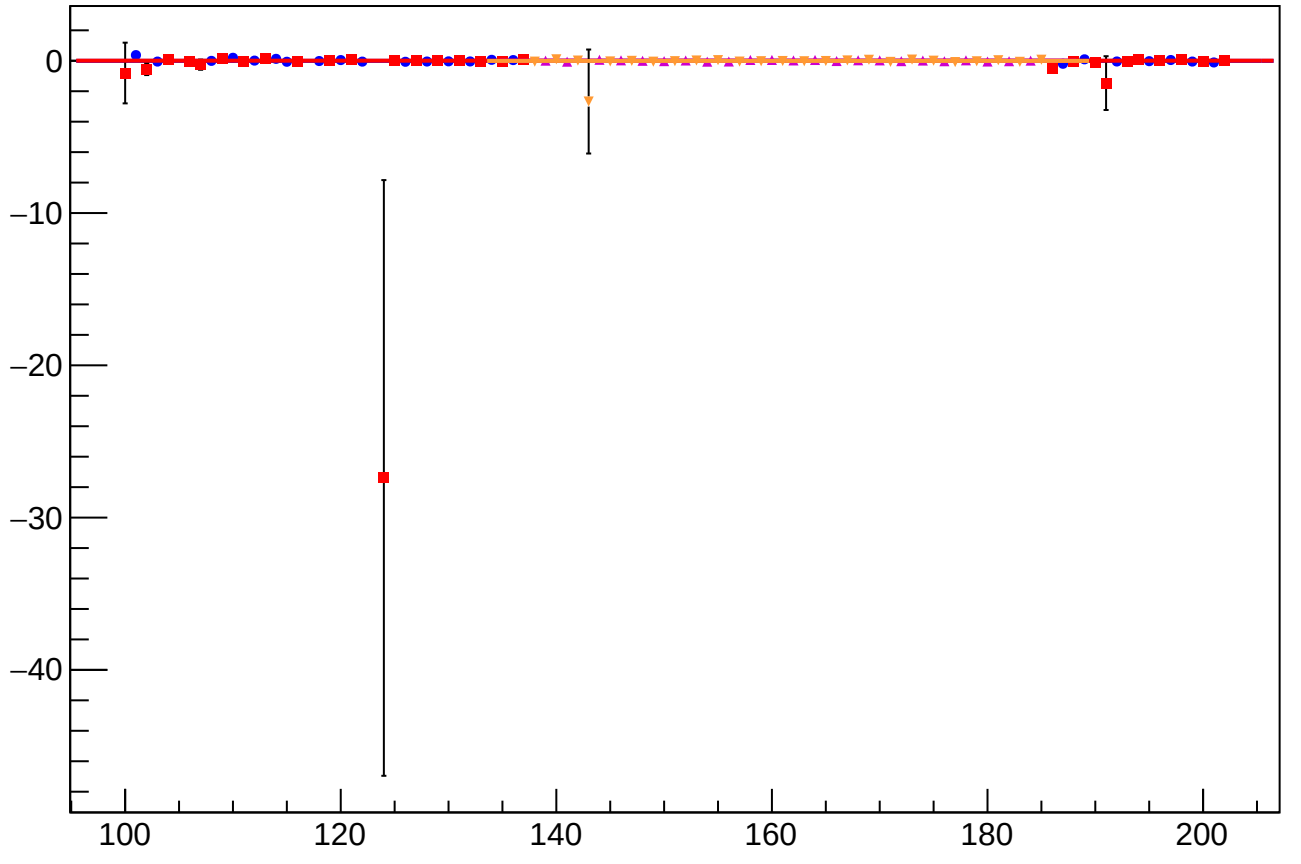
Right Out: 39.520+/-0.009 χ^2/NDF: 4212087.1/28

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 34.114+/-0.005 χ^2/NDF: 5250349.8/47

All: 34.342+/-0.003 χ^2/NDF: 10336936.3/99

- sign 34.570+/-0.005 χ^2/NDF: 5082245.4/51



Right In: -0.007+/-0.013 χ^2/NDF: 27.7/22

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.5/28

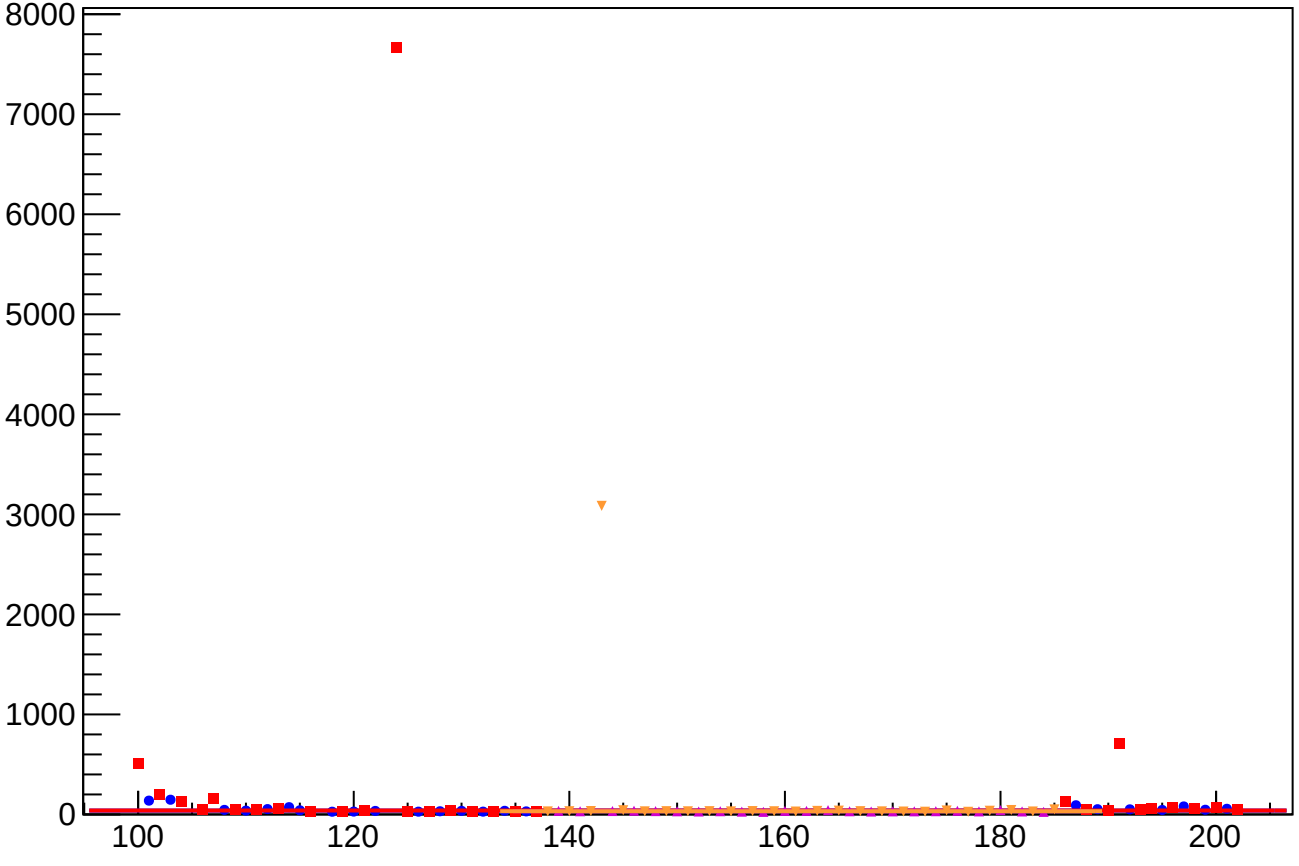
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/47

All: -0.002+/-0.005 χ^2/NDF: 115.5/99

- sign 0.004+/-0.007 χ^2/NDF: 46.3/51

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.571+/-0.009 χ^2/NDF: 2788143.7/22

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 39.520+/-0.009 χ^2/NDF: 4212087.1/28

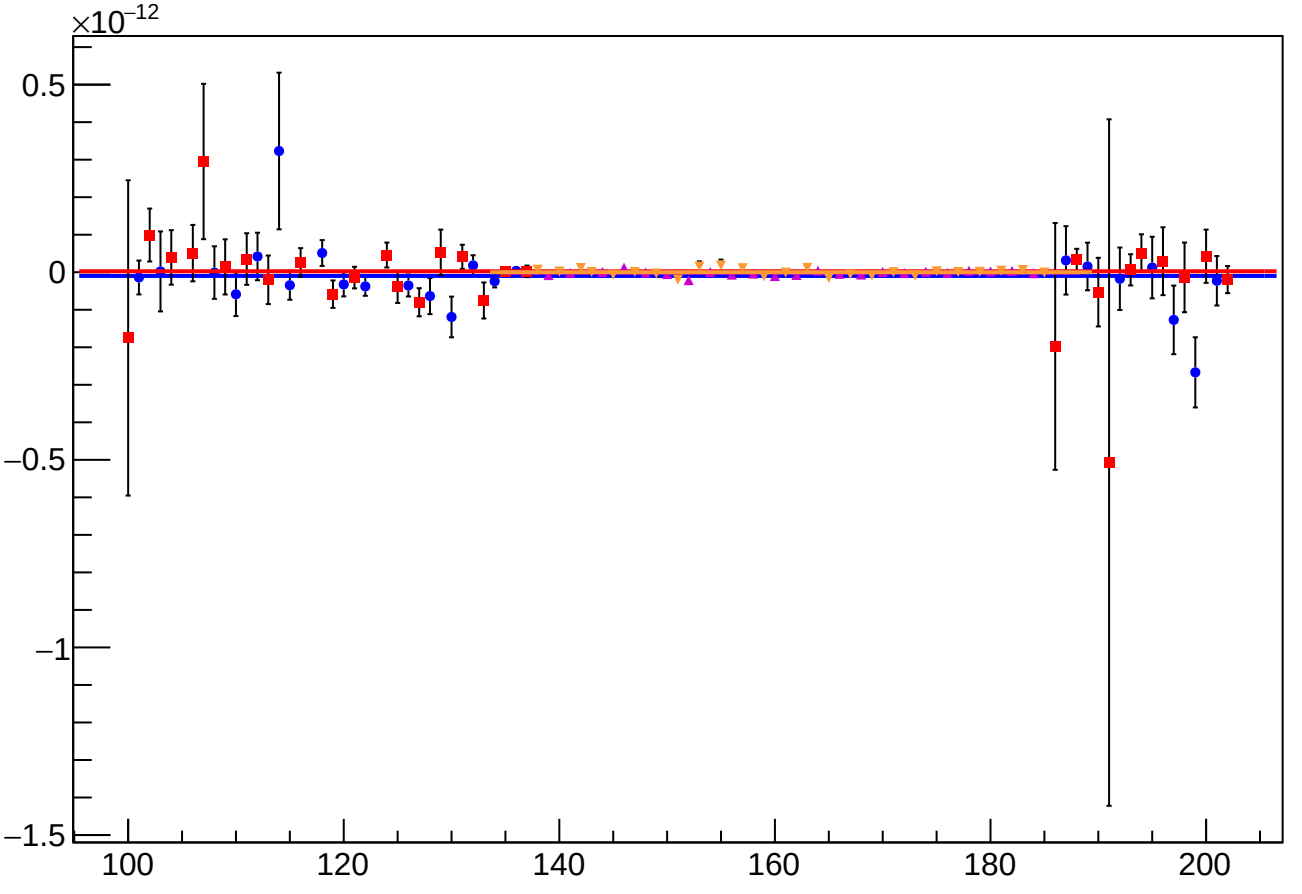
Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 34.114+/-0.005 χ^2/NDF: 5250349.8/47

All: 34.342+/-0.003 χ^2/NDF: 10336936.3/99

- sign 34.570+/-0.005 χ^2/NDF: 5082245.4/51

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/28

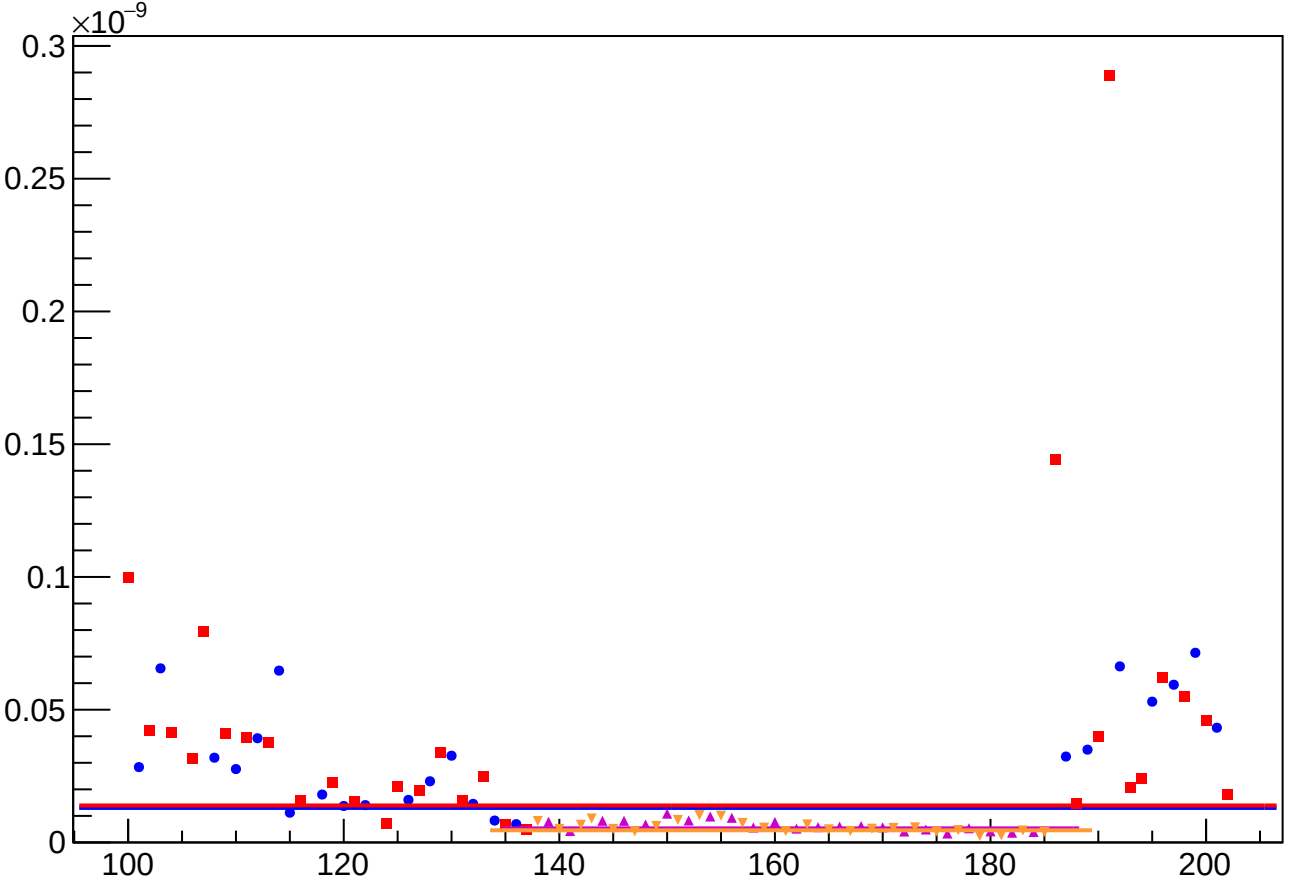
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.4/47

All: -0.000+/-0.000 χ^2/NDF: 86.6/99

- sign -0.000+/-0.000 χ^2/NDF: 34.1/51

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6290957.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6060226.5/28

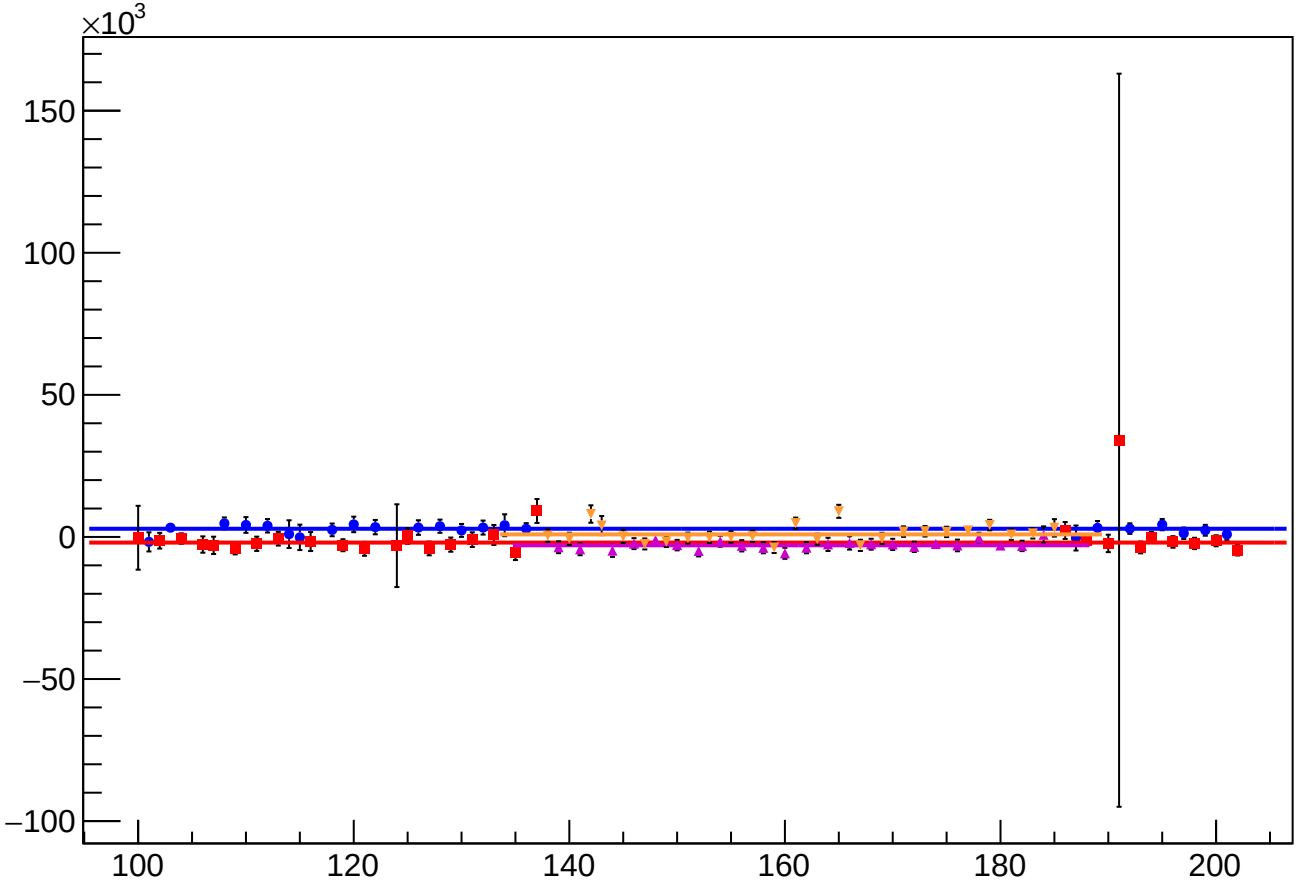
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12526882.4/47

All: 0.000+/-0.000 χ^2/NDF: 24243209.2/99

- sign 0.000+/-0.000 χ^2/NDF: 11453688.9/51

reg_asym_at2_avg_mean vs Slug



Right In: 2881.641+/-496.055 χ^2/NDF: 7.3/22

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1985.250+/-465.596 χ^2/NDF: 20.1/28

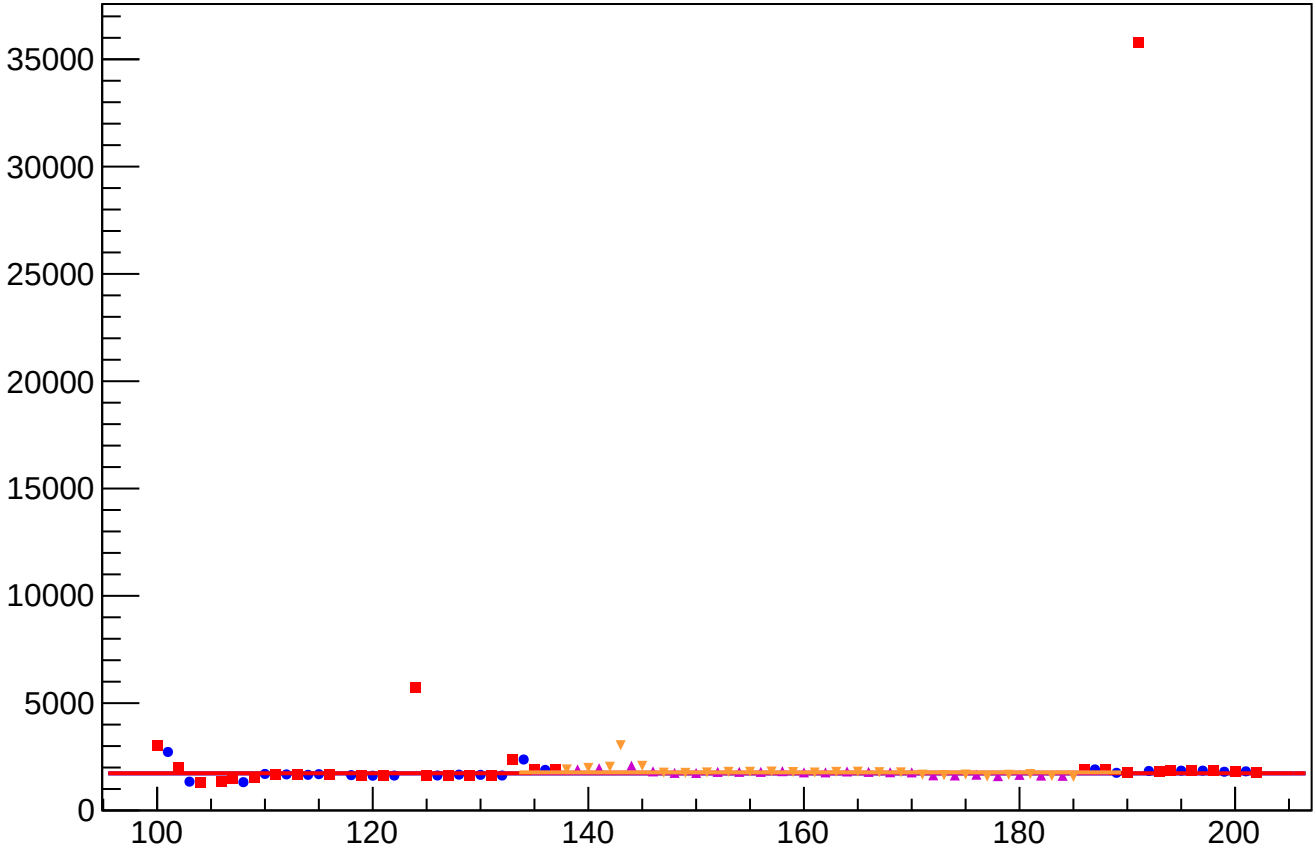
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1693.214+/-313.971 χ^2/NDF: 62.1/47

All: -451.179+/-220.078 χ^2/NDF: 186.9/99

- sign -2522.479+/-308.574 χ^2/NDF: 33.0/51

reg_asym_at2_avg_rms vs Slug



Right In: 1725.125+/-0.351 χ^2/NDF: 471593.8/22

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1733.113+/-0.329 χ^2/NDF: 666021.2/28

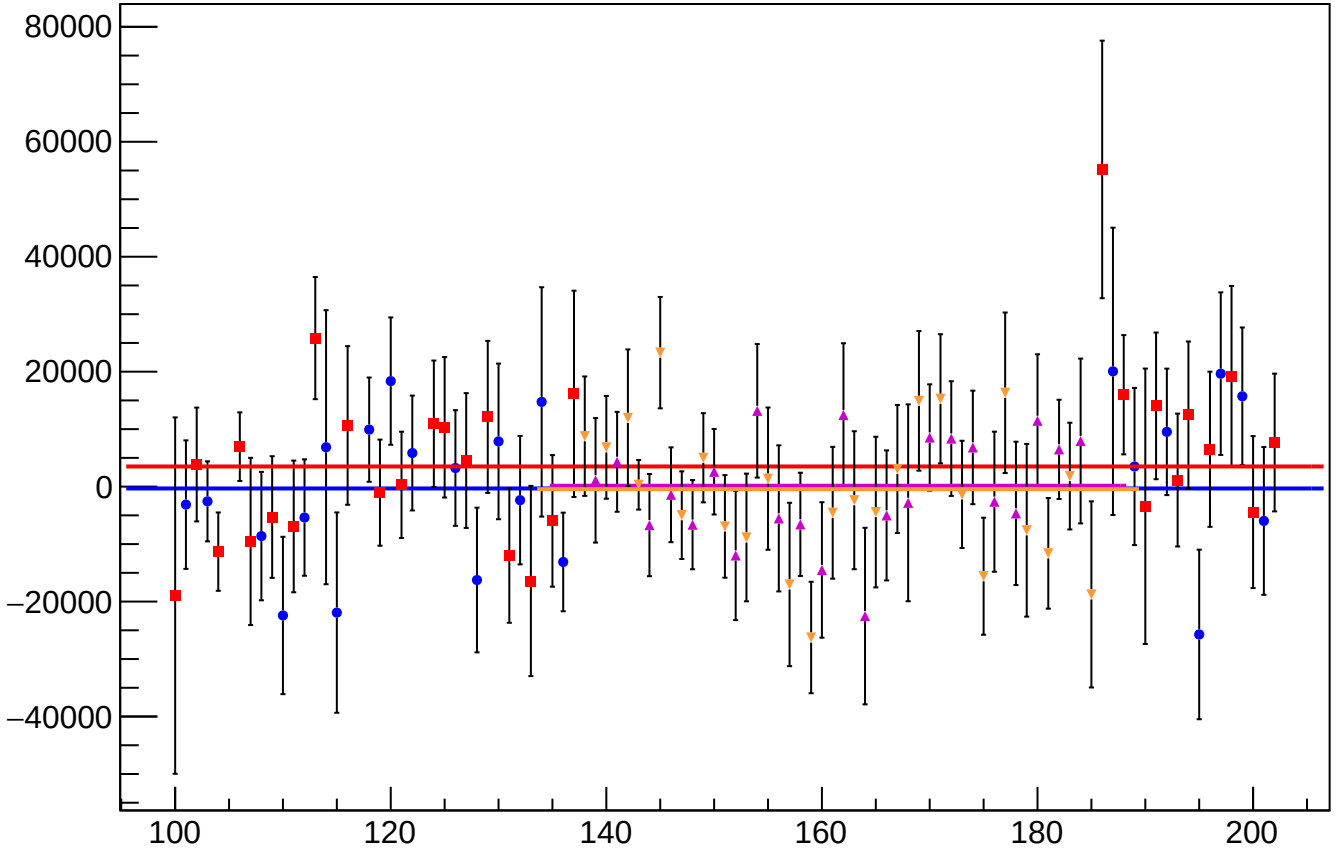
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.858+/-0.222 χ^2/NDF: 930477.7/47

All: 1751.777+/-0.156 χ^2/NDF: 1747193.2/99

- sign 1748.801+/-0.218 χ^2/NDF: 816336.8/51

asym_at2_avg_reg_correction_mean vs Slug



Right In: -321.016+/-2420.551 χ^2/NDF: 23.1/22

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3507.220+/-2111.241 χ^2/NDF: 28.2/28

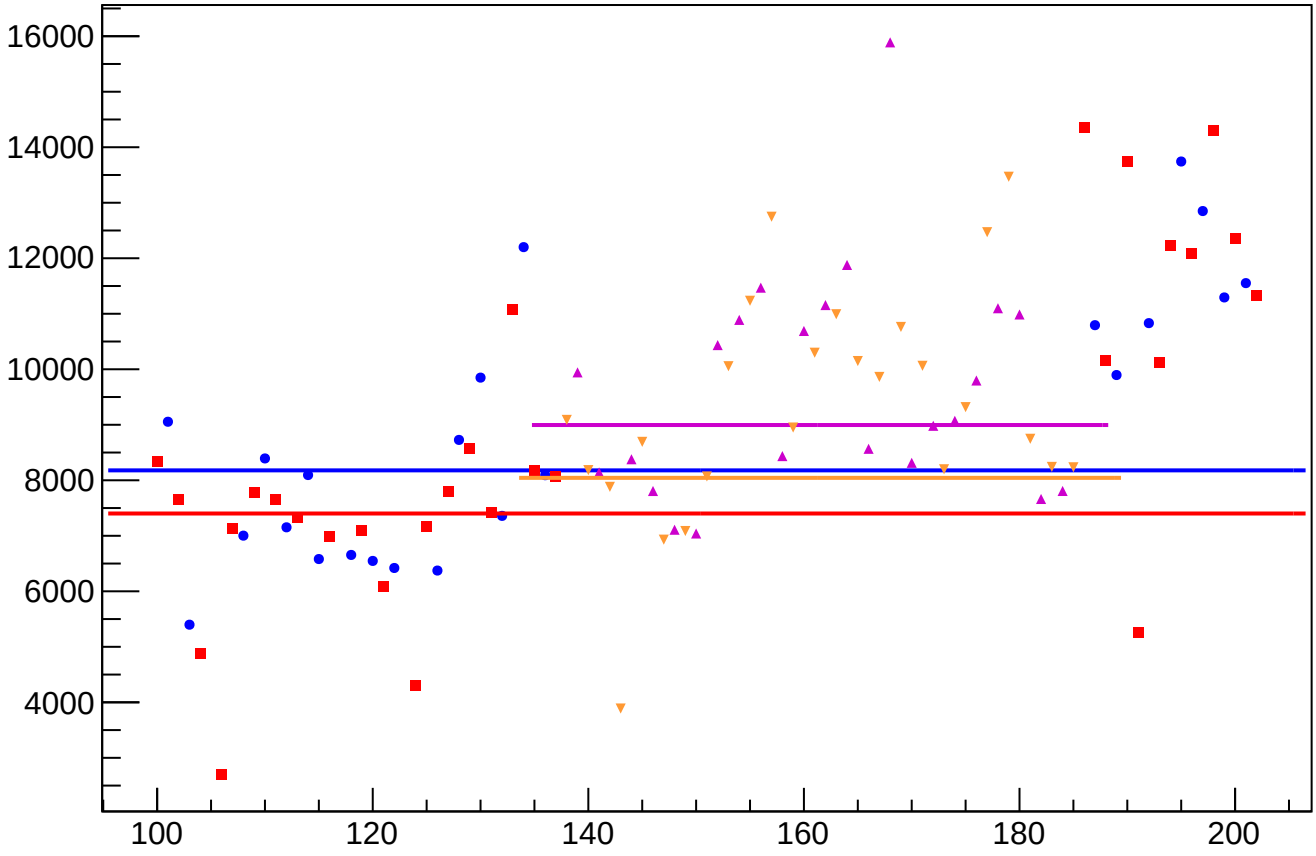
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -395.934+/-1506.930 χ^2/NDF: 52.6/47

All: 732.441+/-1064.574 χ^2/NDF: 96.9/99

- sign 1856.648+/-1504.145 χ^2/NDF: 43.2/51

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8178.680+/-1.712 χ^2/NDF: 1689181.4/22

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7401.570+/-1.493 χ^2/NDF: 3903034.5/28

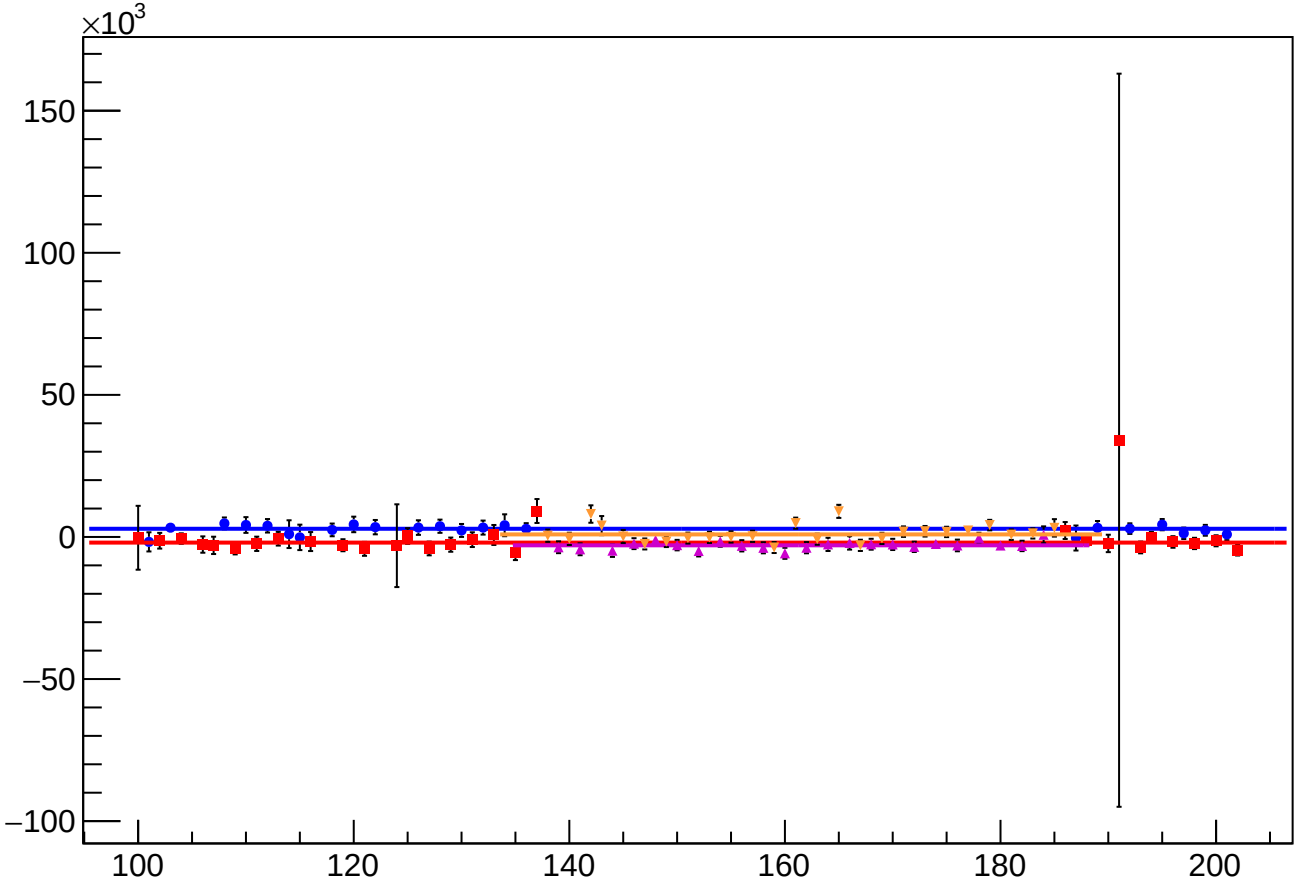
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8096.097+/-1.066 χ^2/NDF: 5055821.3/47

All: 8141.390+/-0.753 χ^2/NDF: 10731030.4/9

- sign 8186.515+/-1.064 χ^2/NDF: 5671602.2/51

cor_asym_at2_avg_mean vs Slug



Right In: 2881.722+/-496.056 χ^2/NDF: 7.3/22

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1985.145+/-465.596 χ^2/NDF: 20.1/28

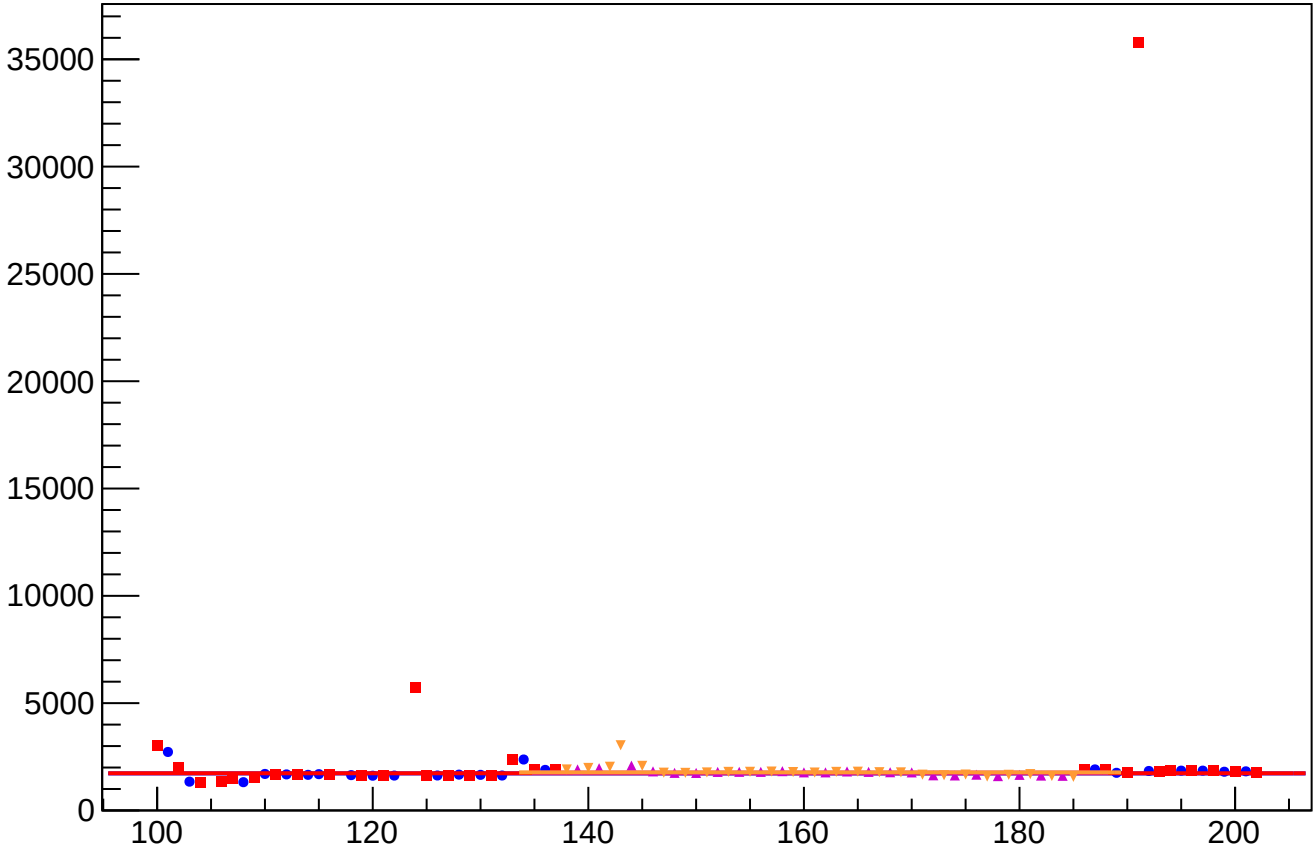
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1693.198+/-313.971 χ^2/NDF: 62.1/47

All: -451.131+/-220.078 χ^2/NDF: 186.9/99

- sign -2522.370+/-308.574 χ^2/NDF: 33.0/51

cor_asym_at2_avg_rms vs Slug



Right In: 1725.125+/-0.351 χ^2/NDF: 471594.2/22

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1733.113+/-0.329 χ^2/NDF: 666021.5/28

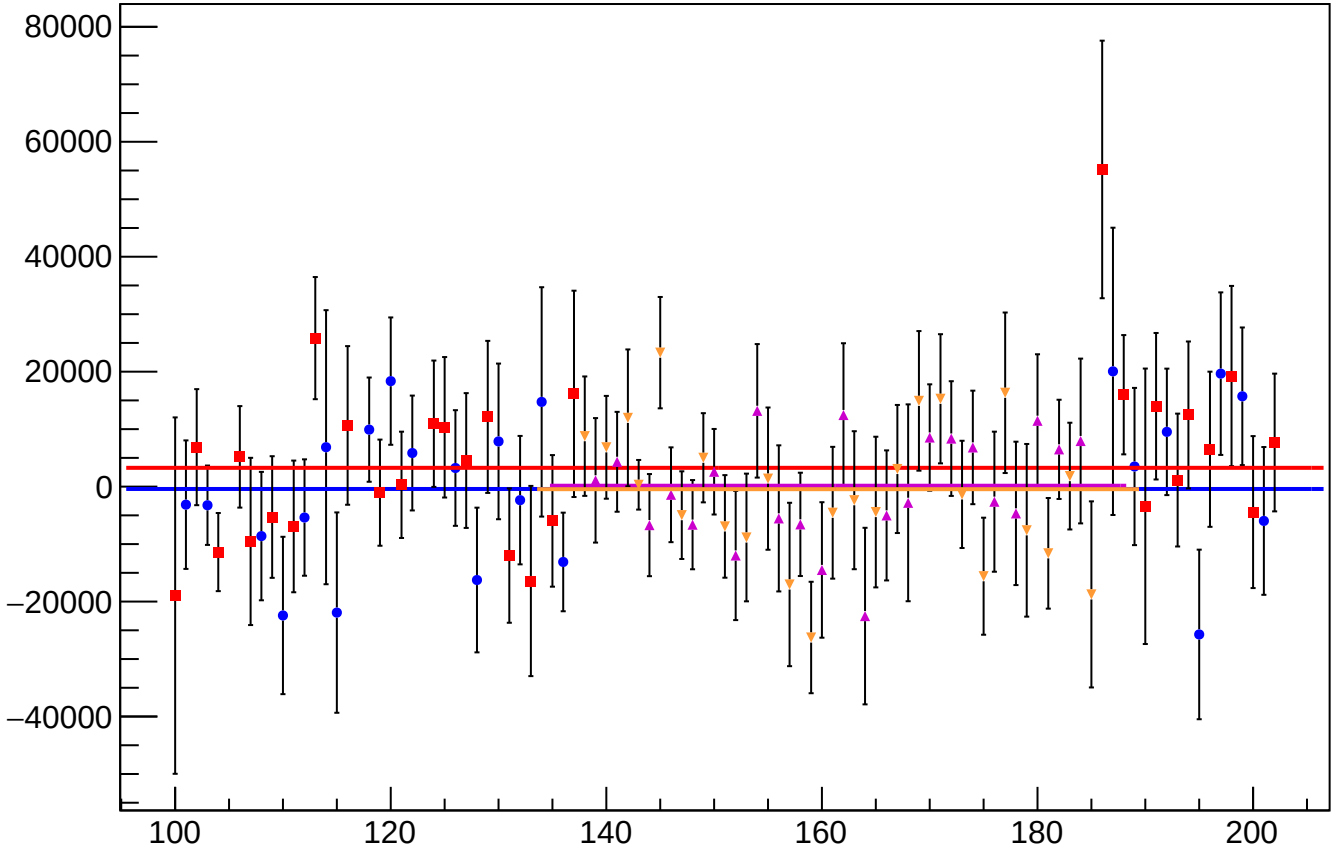
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.858+/-0.222 χ^2/NDF: 930478.1/47

All: 1751.777+/-0.156 χ^2/NDF: 1747193.9/99

- sign 1748.801+/-0.218 χ^2/NDF: 816337.1/51

asym_at2_avg_cor_correction_mean vs Slug



Right In: -409.010+/-2418.034 χ^2/NDF: 23.2/22

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3269.652+/-2188.352 χ^2/NDF: 28.0/28

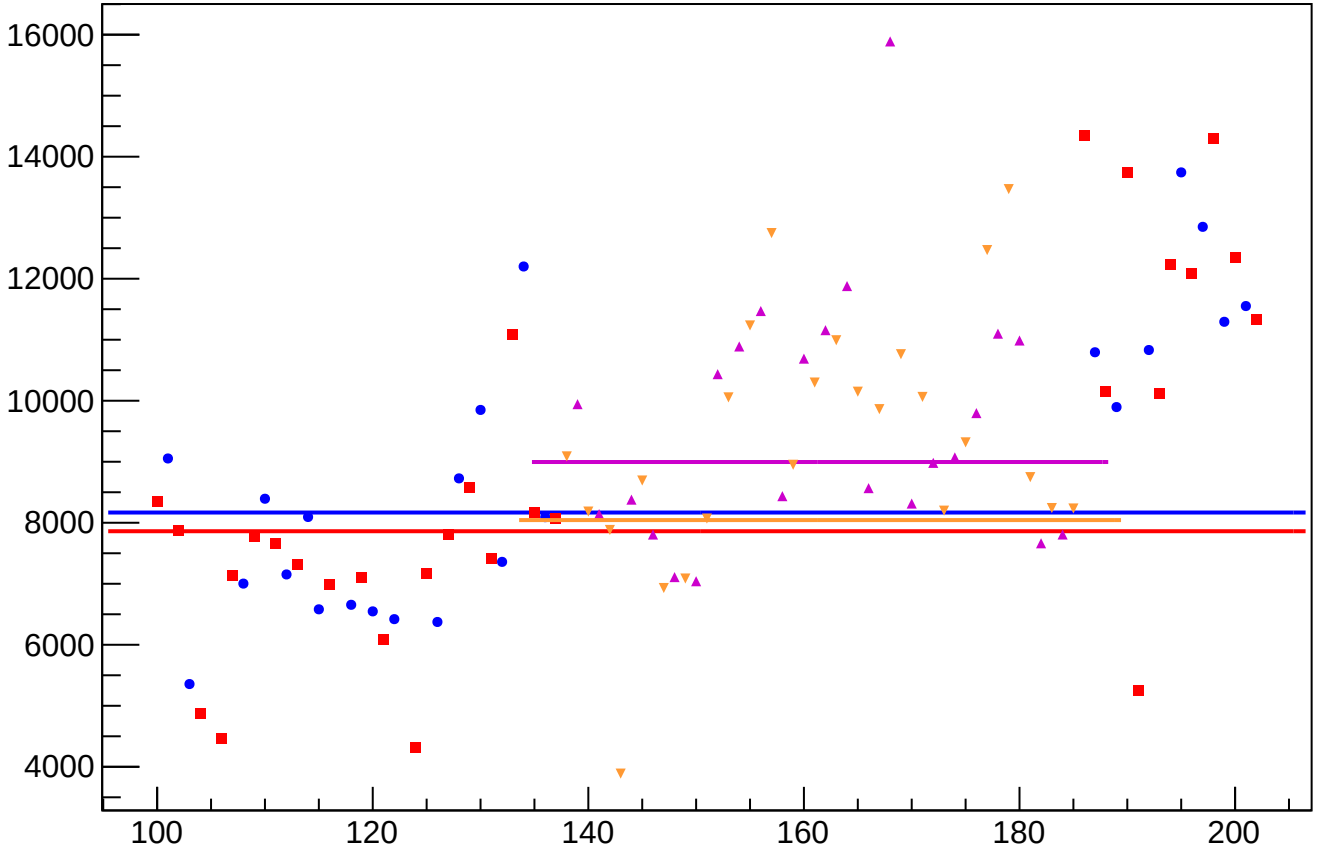
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -430.047+/-1506.320 χ^2/NDF: 52.7/47

All: 607.727+/-1073.848 χ^2/NDF: 96.5/99

- sign 1680.193+/-1531.290 χ^2/NDF: 42.9/51

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8167.699+/-1.710 χ^2/NDF: 1704543.0/22

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

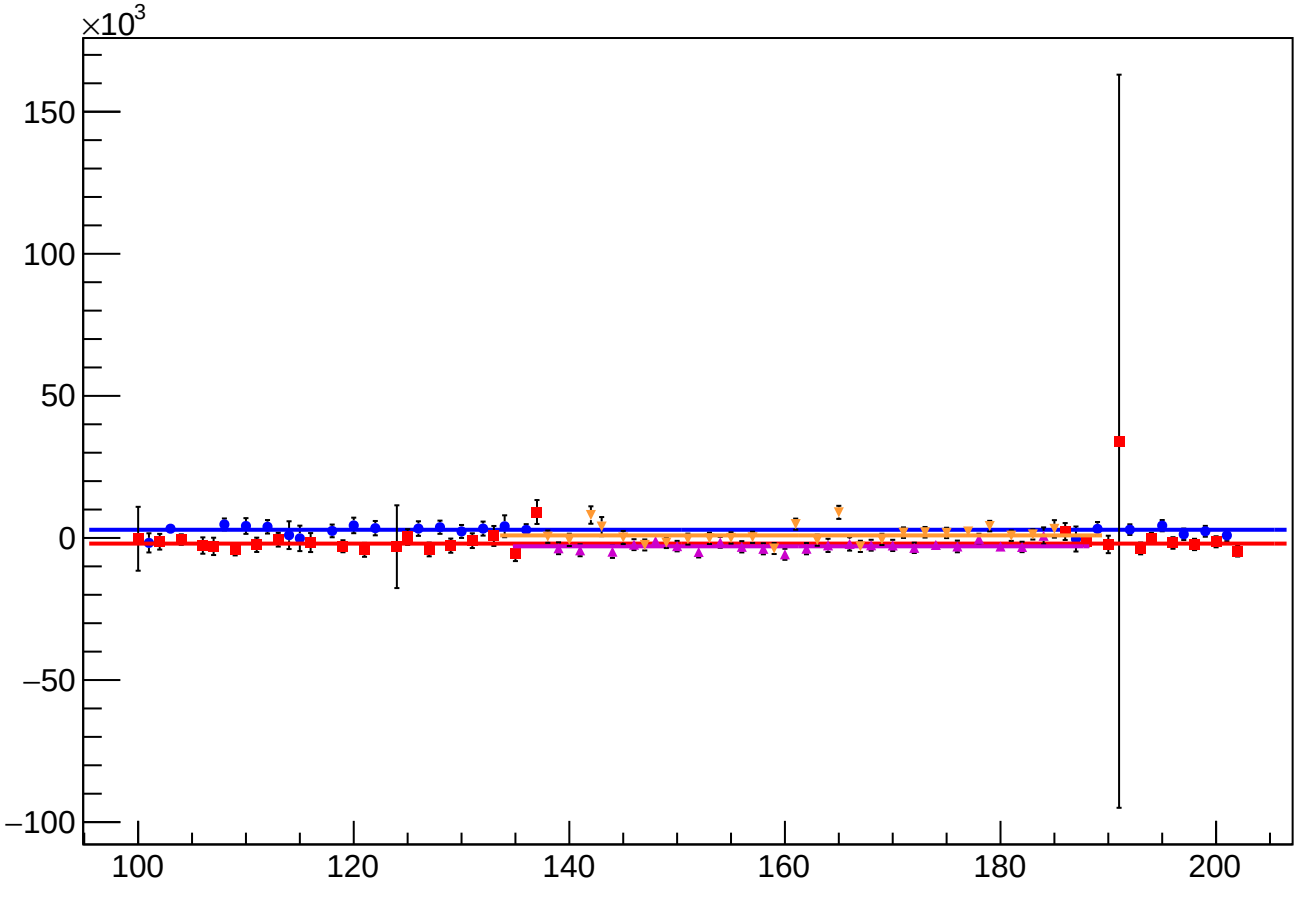
Right Out: 7861.120+/-1.547 χ^2/NDF: 2800145.6/28

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8091.887+/-1.065 χ^2/NDF: 5070671.6/47

All: 8263.139+/-0.759 χ^2/NDF: 9404853.0/99

- sign 8440.116+/-1.083 χ^2/NDF: 4281616.3/51



Right In: 2881.722+/-496.056 χ^2/NDF: 7.3/22

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1985.145+/-465.596 χ^2/NDF: 20.1/28

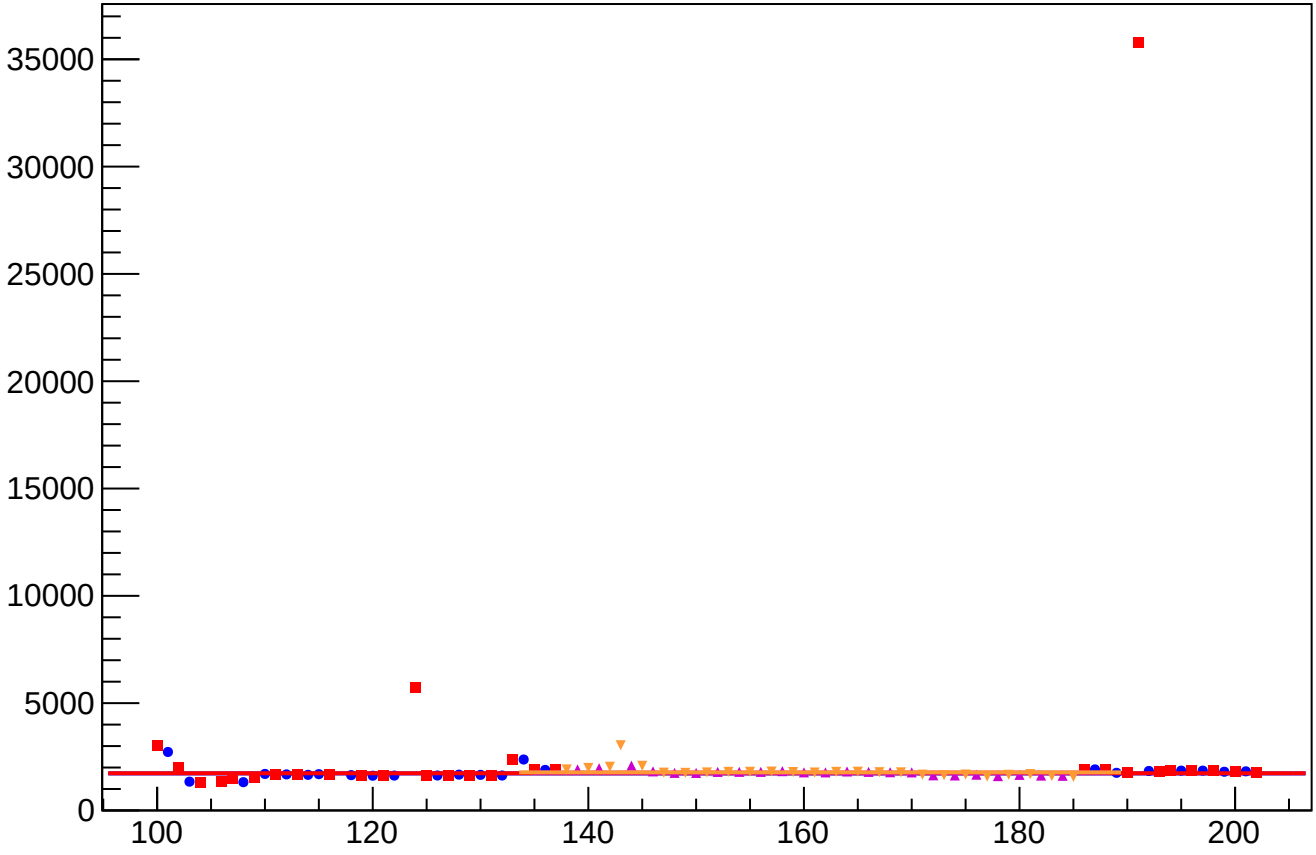
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1693.198+/-313.971 χ^2/NDF: 62.1/47

All: -451.131+/-220.078 χ^2/NDF: 186.9/99

- sign -2522.370+/-308.574 χ^2/NDF: 33.0/51

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1725.125+/-0.351 χ^2/NDF: 471594.2/22

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1733.113+/-0.329 χ^2/NDF: 666021.5/28

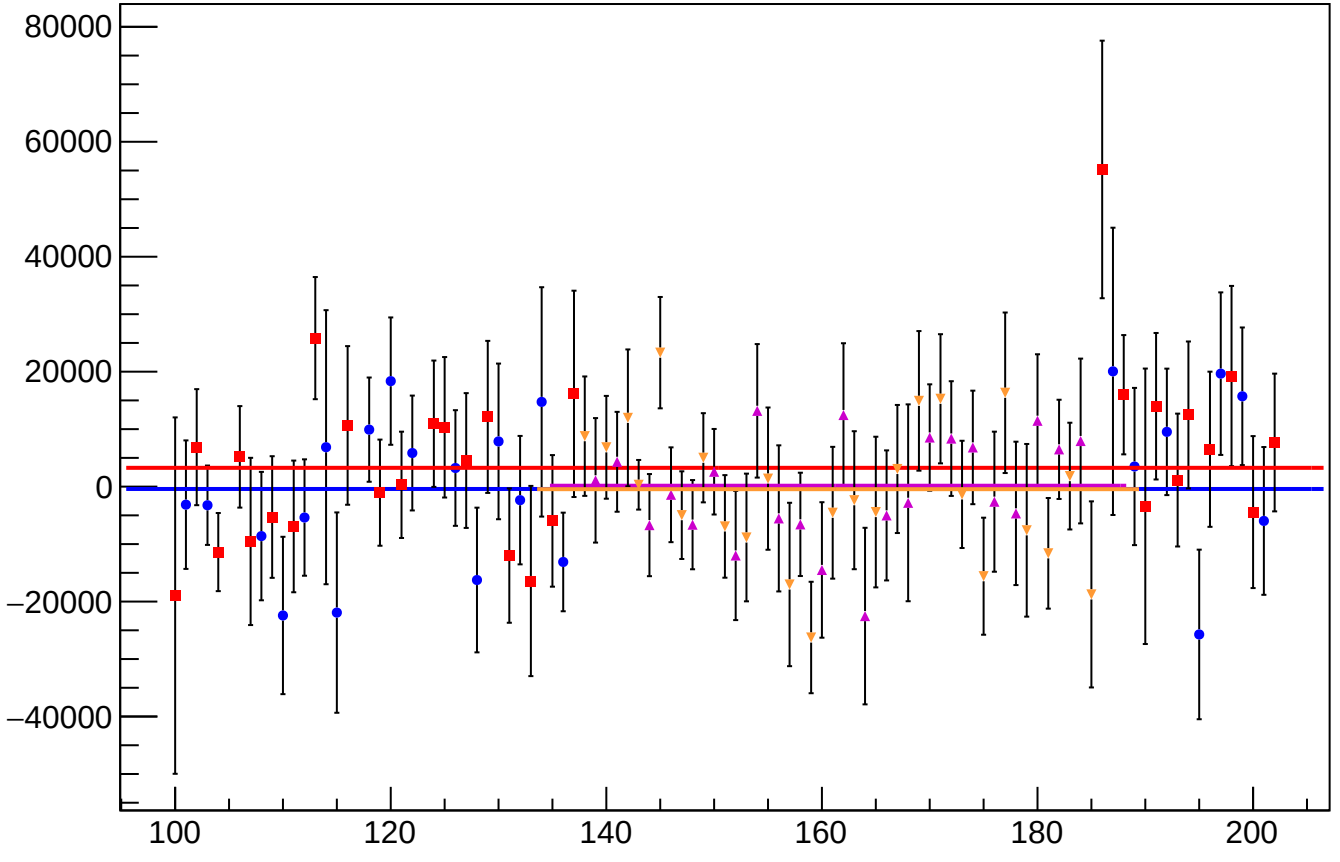
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.858+/-0.222 χ^2/NDF: 930478.1/47

All: 1751.777+/-0.156 χ^2/NDF: 1747193.9/99

- sign 1748.801+/-0.218 χ^2/NDF: 816337.1/51

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -409.010+/-2418.034 χ^2/NDF: 23.2/22

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3269.652+/-2188.352 χ^2/NDF: 28.0/28

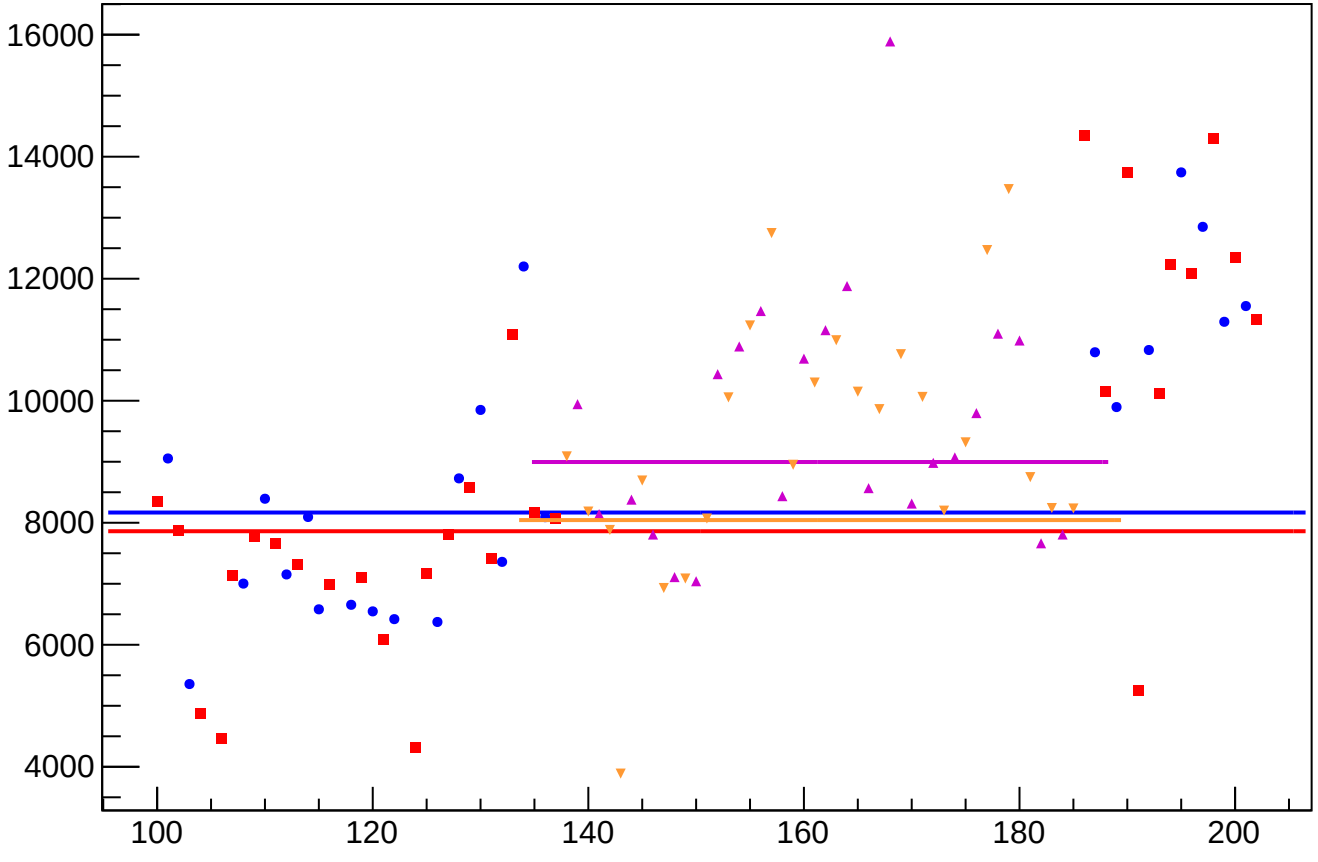
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -430.047+/-1506.320 χ^2/NDF: 52.7/47

All: 607.727+/-1073.848 χ^2/NDF: 96.5/99

- sign 1680.193+/-1531.290 χ^2/NDF: 42.9/51

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8167.699+/-1.710 χ^2/NDF: 1704543.0/22

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

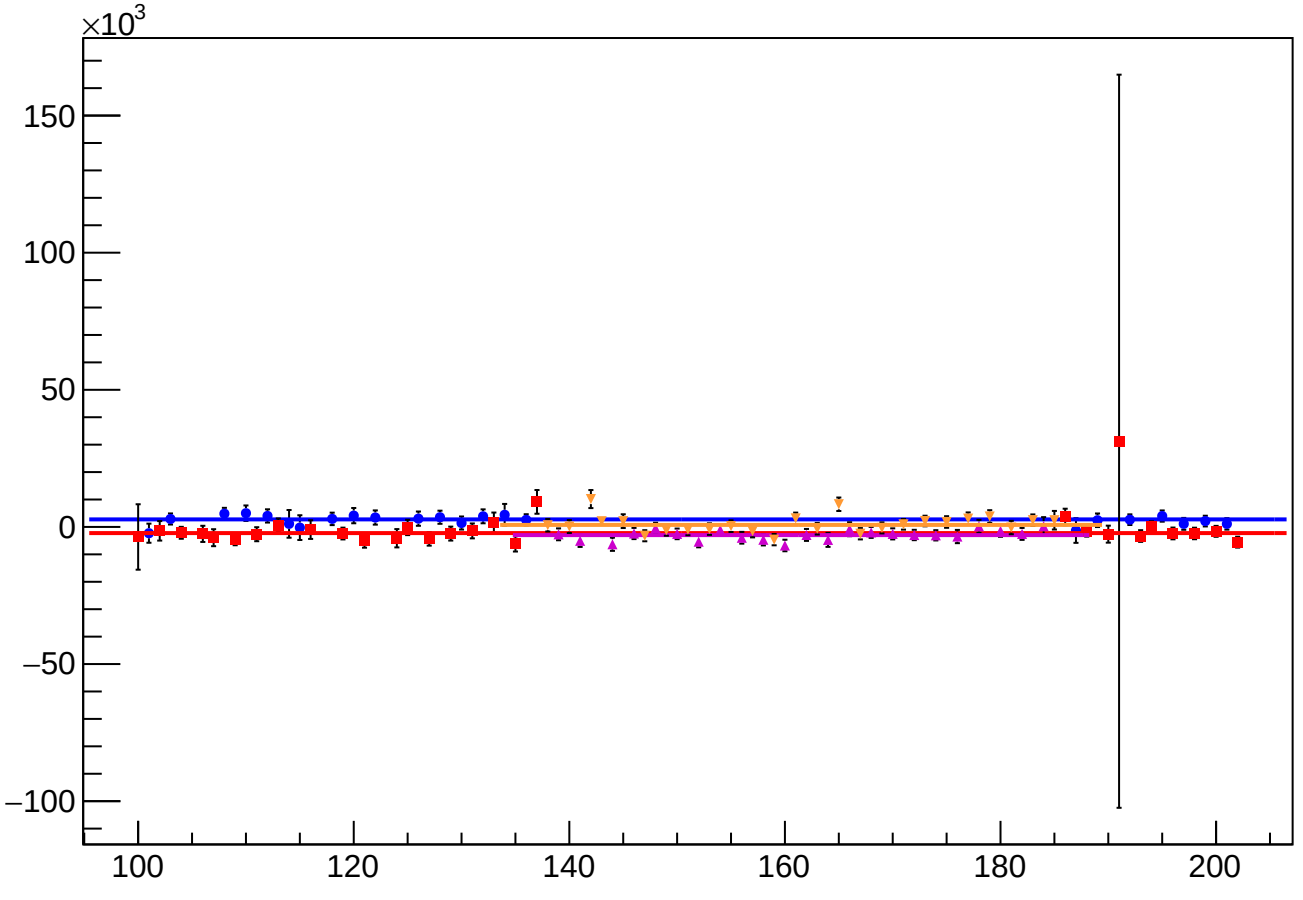
Right Out: 7861.120+/-1.547 χ^2/NDF: 2800145.6/28

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8091.887+/-1.065 χ^2/NDF: 5070671.6/47

All: 8263.139+/-0.759 χ^2/NDF: 9404853.0/99

- sign 8440.116+/-1.083 χ^2/NDF: 4281616.3/51



Right In: 2748.514+/-514.515 χ^2/NDF: 8.1/22

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2244.368+/-479.907 χ^2/NDF: 24.6/28

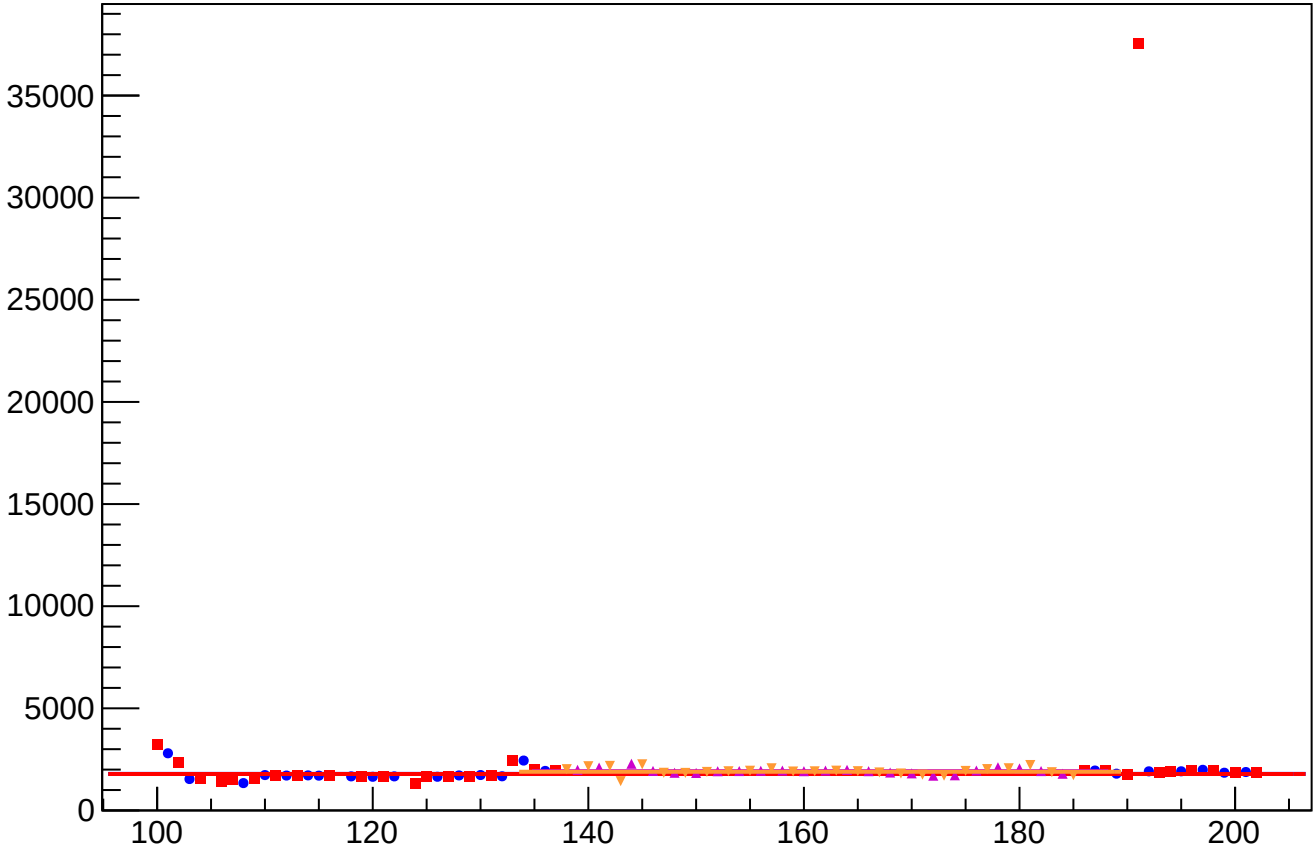
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1571.890+/-331.239 χ^2/NDF: 58.6/47

All: -549.783+/-233.208 χ^2/NDF: 181.5/99

- sign -2635.134+/-328.392 χ^2/NDF: 41.5/51

dit_asym_at2_avg_rms vs Slug



Right In: 1790.095+/-0.364 χ^2/NDF: 426135.8/22

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1784.576+/-0.339 χ^2/NDF: 534076.0/28

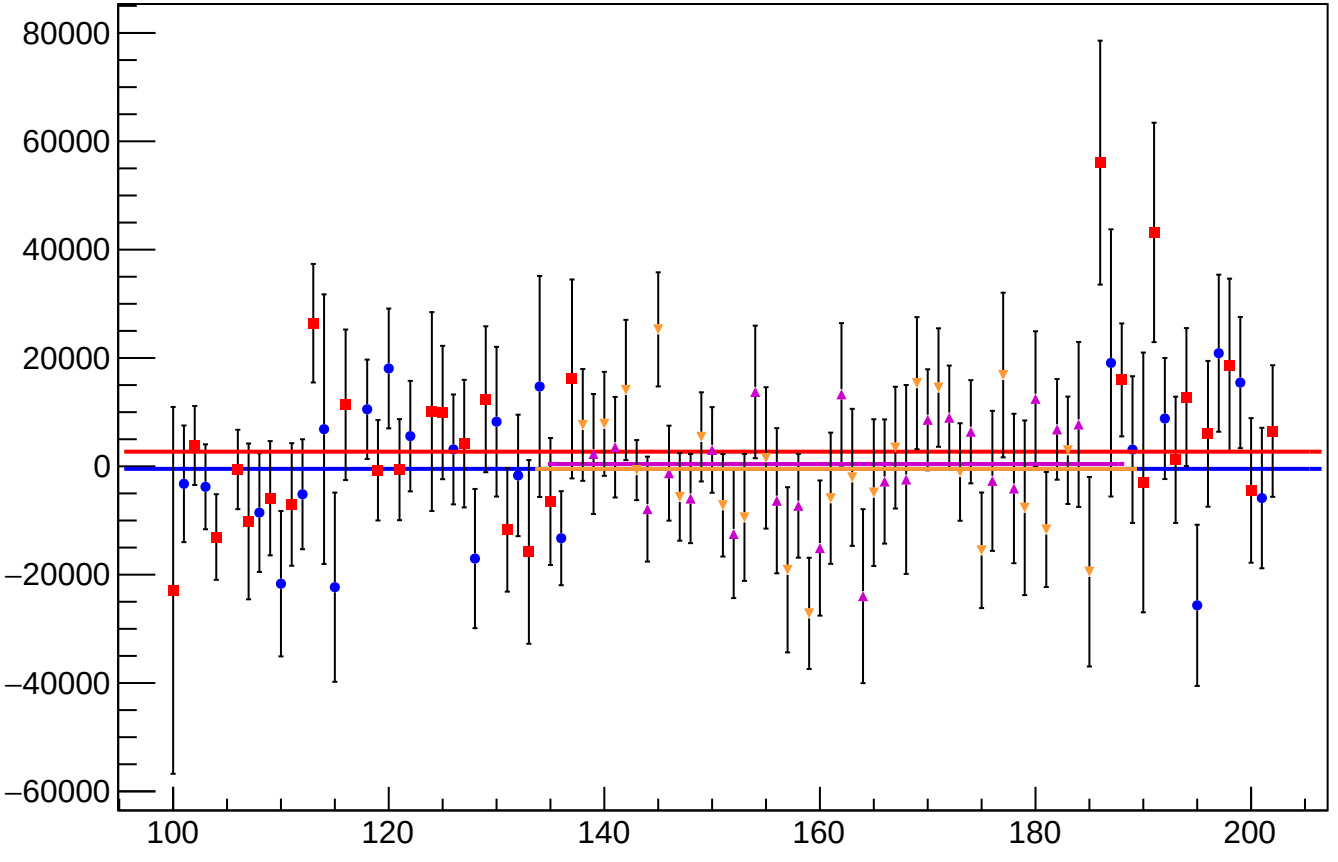
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1851.336+/-0.234 χ^2/NDF: 843113.4/47

All: 1854.793+/-0.165 χ^2/NDF: 1617148.9/99

- sign 1858.190+/-0.232 χ^2/NDF: 773603.5/51

asym_at2_avg_dit_correction_mean vs Slug



Right In: -468.142+/-2462.934 χ^2/NDF: 23.0/22

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 2704.752+/-2197.977 χ^2/NDF: 30.7/28

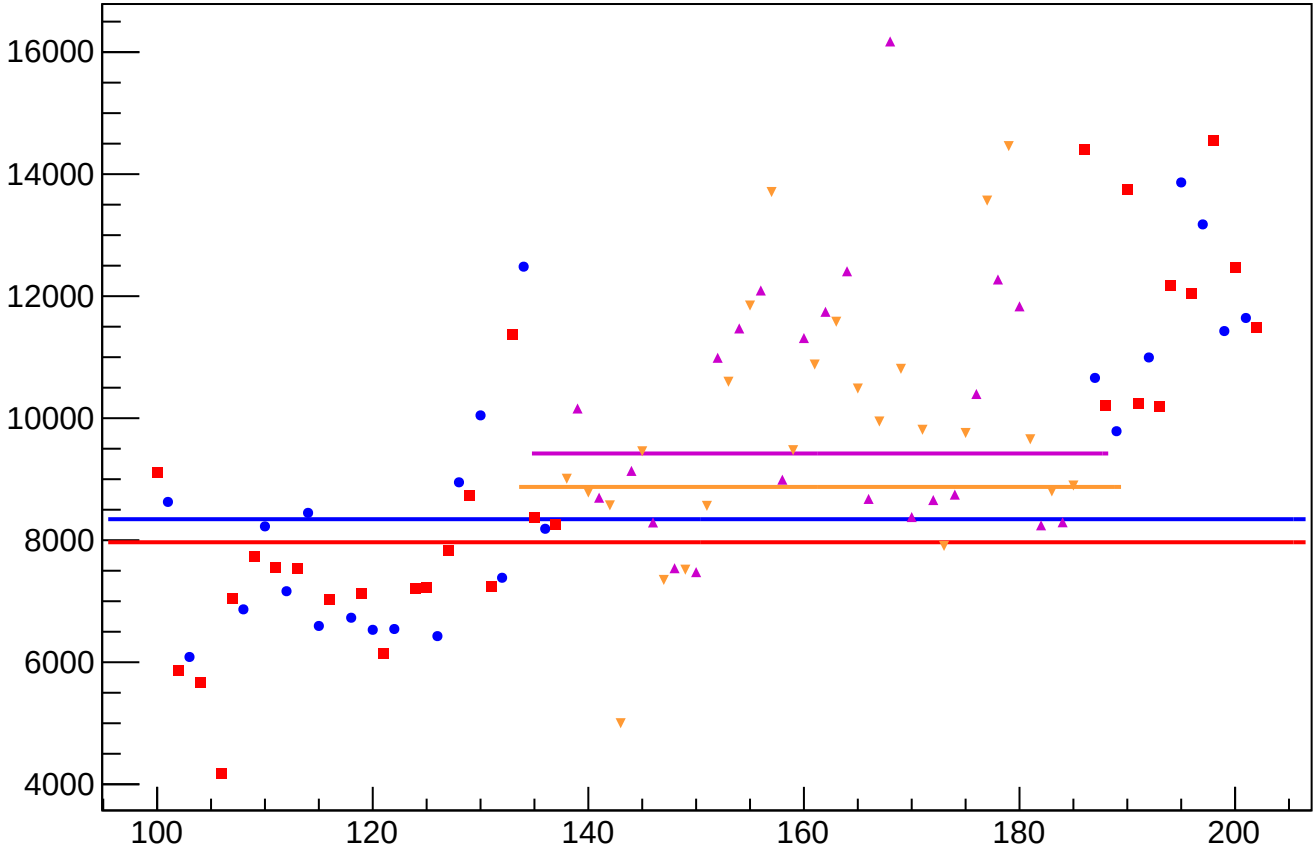
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -474.653+/-1593.229 χ^2/NDF: 51.8/47

All: 574.870+/-1118.506 χ^2/NDF: 97.4/99

- sign 1594.827+/-1570.627 χ^2/NDF: 44.8/51

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8344.717+/-1.742 χ^2/NDF: 1542127.4/22

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7966.737+/-1.554 χ^2/NDF: 2707062.0/28

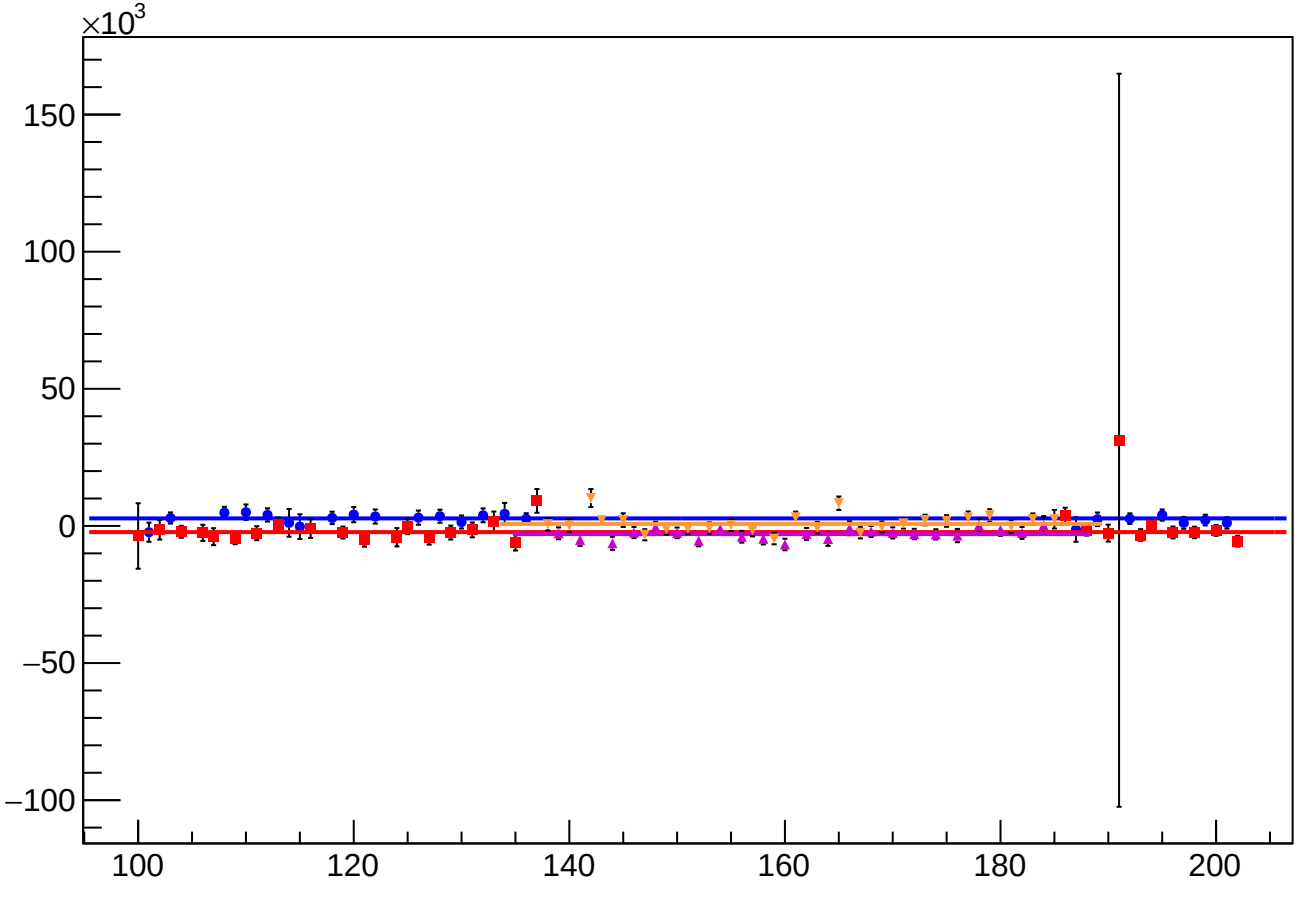
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

\+ sign 8652.281+/-1.127 χ^2/NDF: 3799007.7/47

All: 8665.713+/-0.791 χ^2/NDF: 8140078.5/99

\- sign 8678.767+/-1.111 χ^2/NDF: 4340790.5/51

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2748.514+/-514.515 χ^2/NDF: 8.1/22

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2244.371+/-479.907 χ^2/NDF: 24.6/28

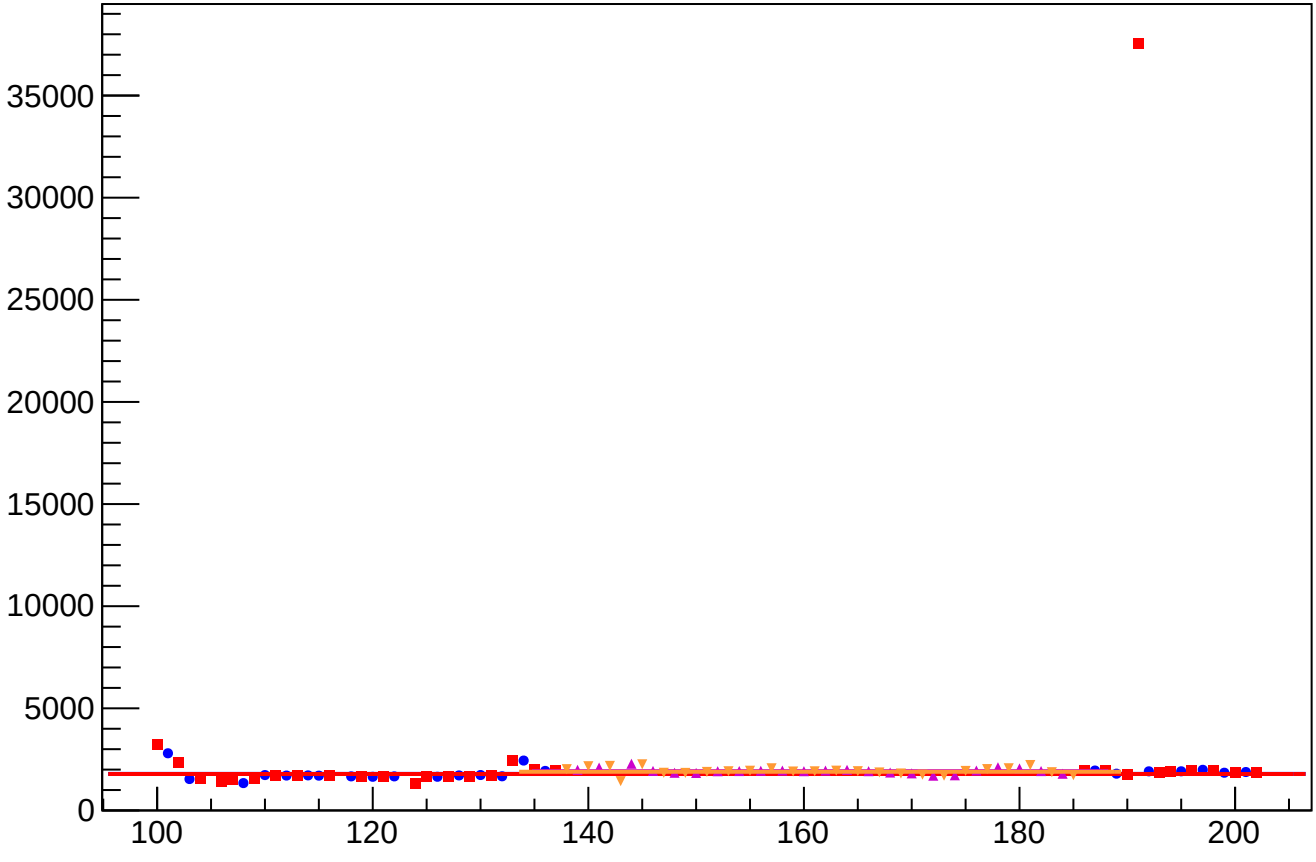
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1571.886+/-331.240 χ^2/NDF: 58.6/47

All: -549.786+/-233.209 χ^2/NDF: 181.5/99

- sign -2635.136+/-328.392 χ^2/NDF: 41.5/51

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1790.095+/-0.364 χ^2/NDF: 426136.3/22

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1784.576+/-0.339 χ^2/NDF: 534077.3/28

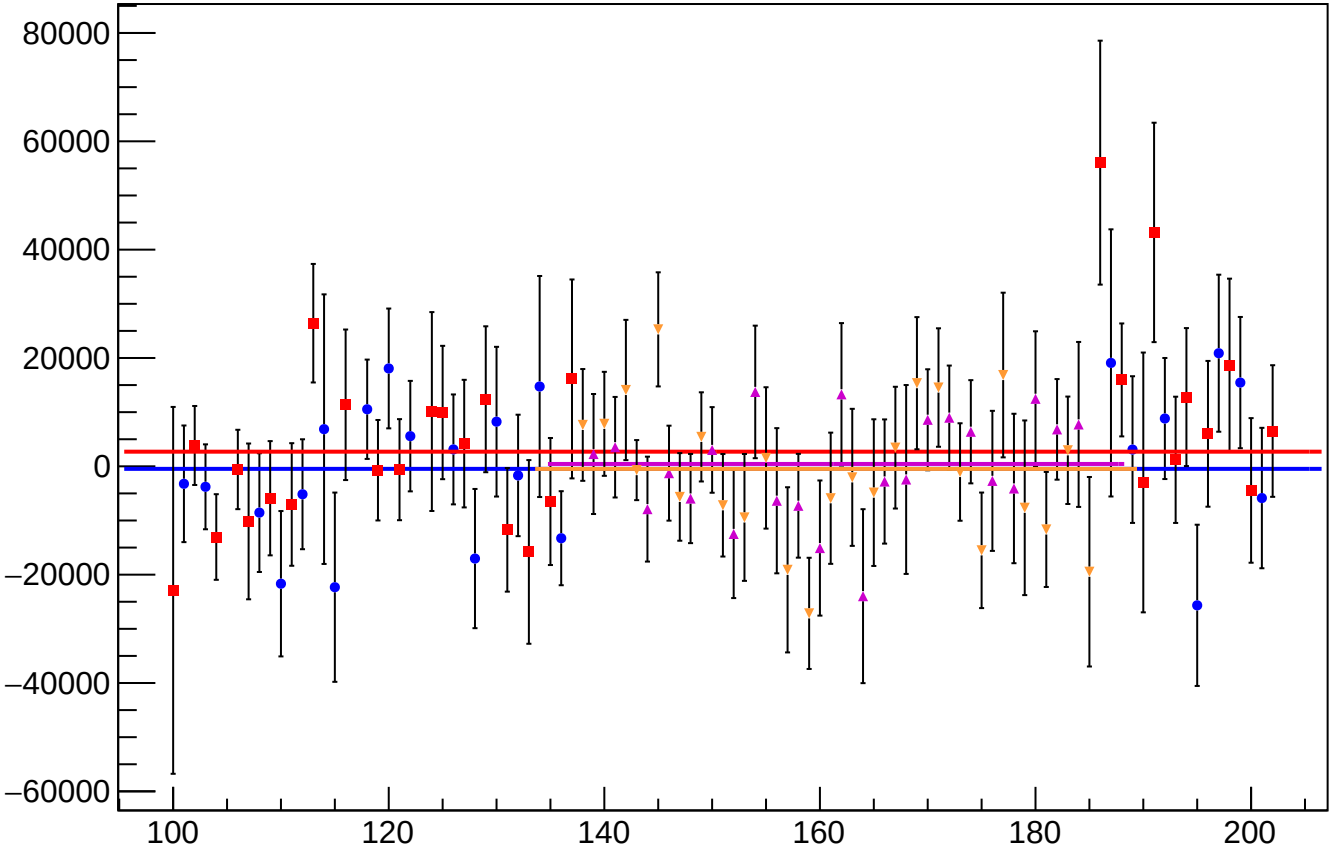
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1851.337+/-0.234 χ^2/NDF: 843124.6/47

All: 1854.794+/-0.165 χ^2/NDF: 1617173.0/99

- sign 1858.192+/-0.232 χ^2/NDF: 773616.4/51

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -468.130+/-2462.931 χ^2/NDF: 23.0/22

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 2704.738+/-2197.974 χ^2/NDF: 30.7/28

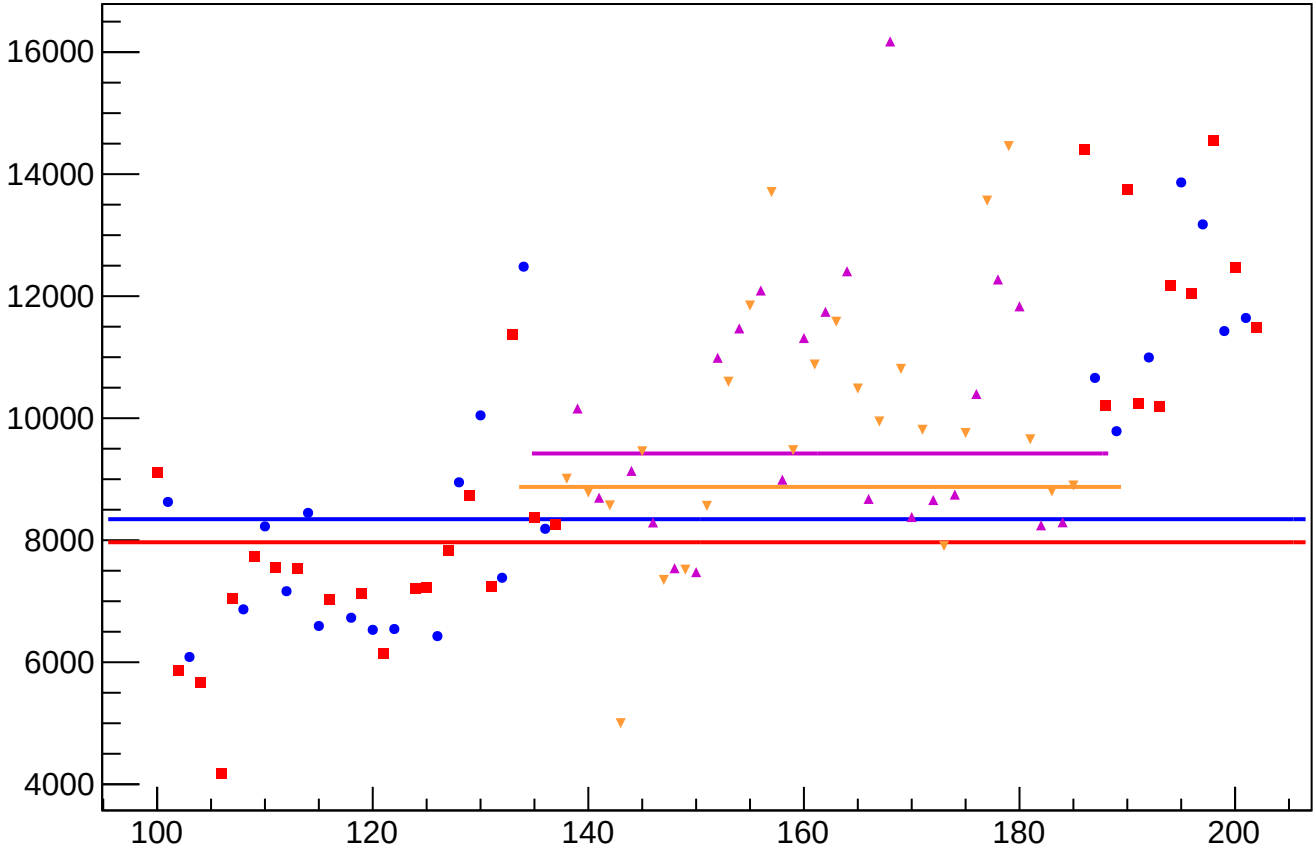
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -474.652+/-1593.230 χ^2/NDF: 51.8/47

All: 574.870+/-1118.507 χ^2/NDF: 97.4/99

- sign 1594.824+/-1570.627 χ^2/NDF: 44.8/51

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 8344.702+/-1.742 χ^2/NDF: 1542145.6/22

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7966.724+/-1.554 χ^2/NDF: 2707079.2/28

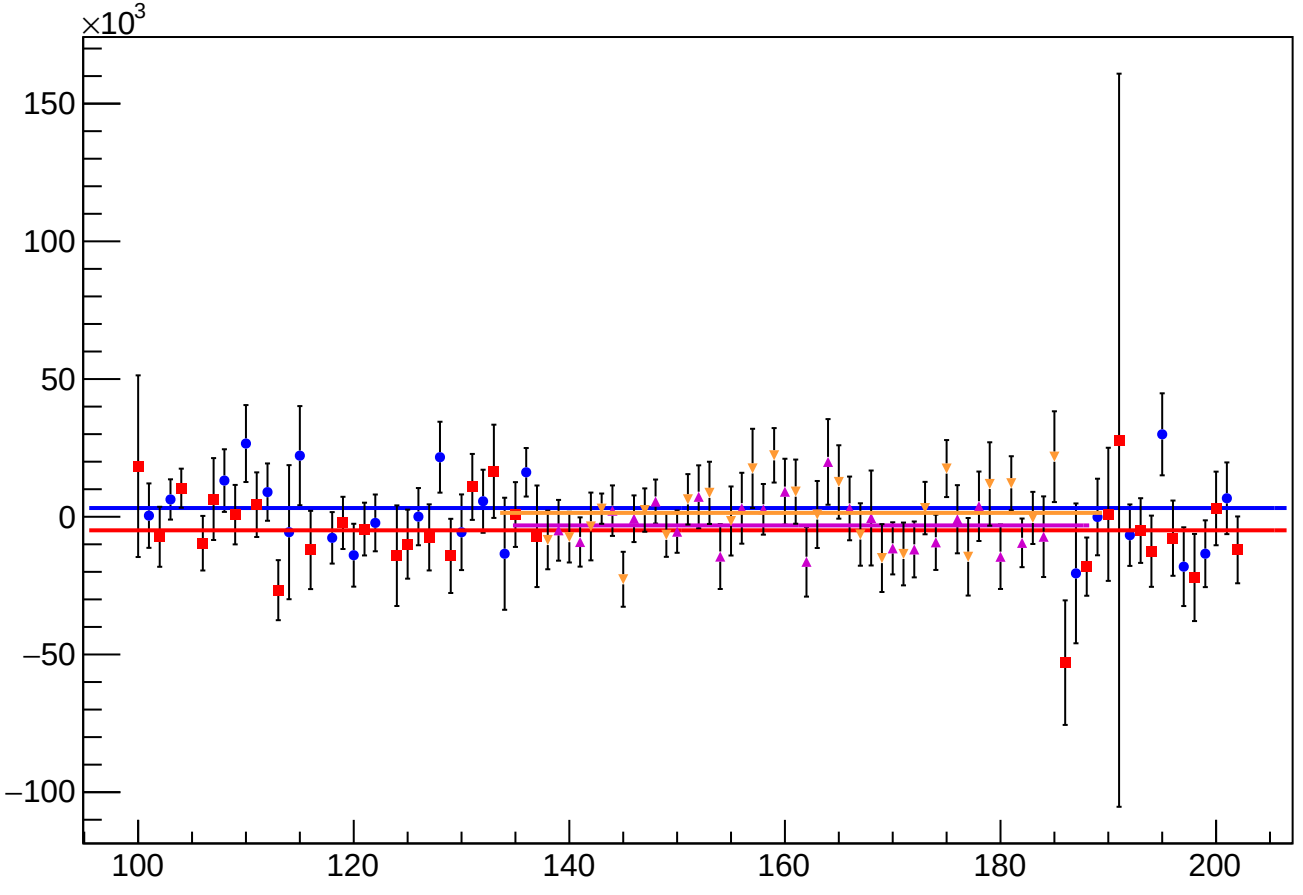
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8652.282+/-1.127 χ^2/NDF: 3799033.5/47

All: 8665.713+/-0.791 χ^2/NDF: 8140141.5/99

- sign 8678.765+/-1.111 χ^2/NDF: 4340827.8/51

asym_at2_avg_mean vs Slug



Right In: 3172.513+/-2485.914 χ^2/NDF: 23.8/22

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4920.197+/-2323.160 χ^2/NDF: 24.2/28

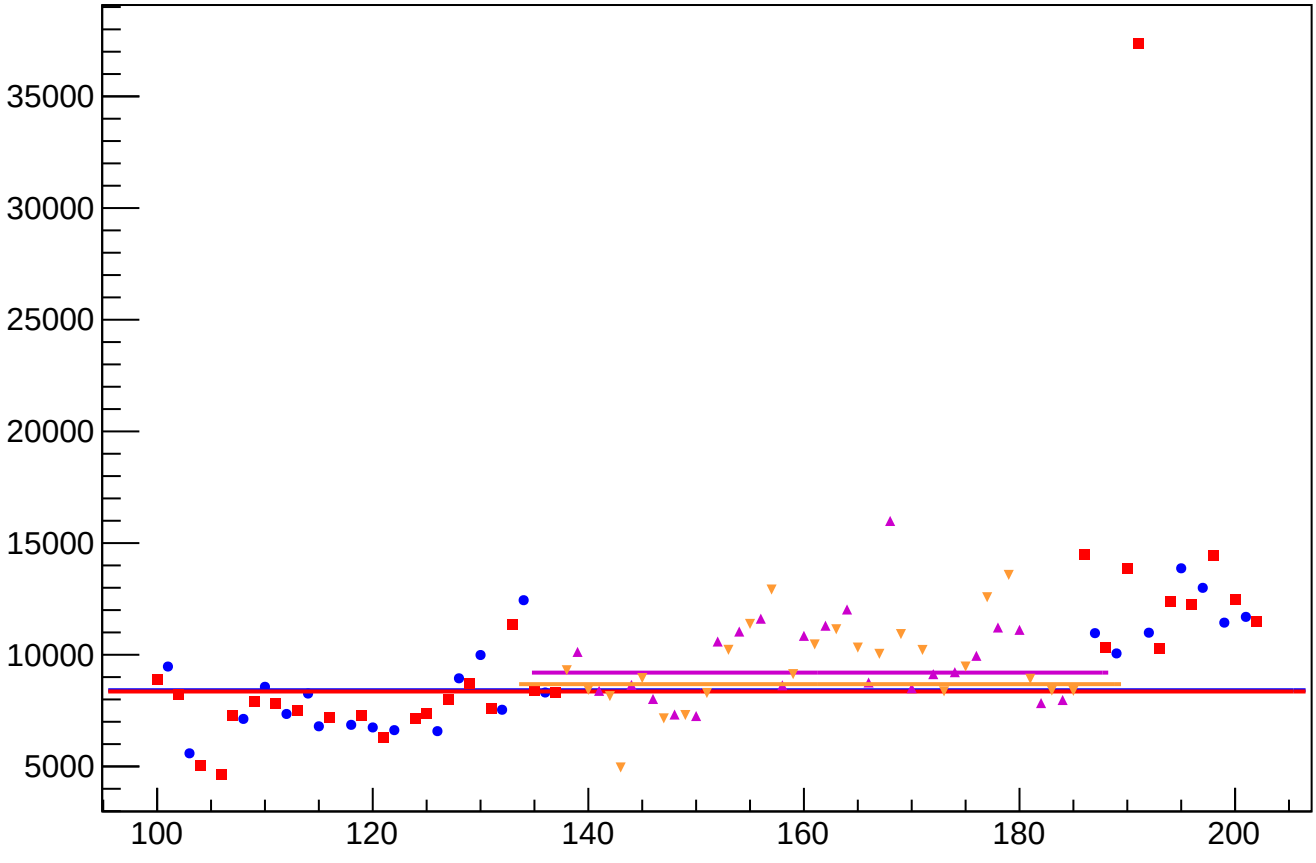
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

\+ sign 2118.230+/-1576.941 χ^2/NDF: 51.5/47

All: -897.836+/-1120.824 χ^2/NDF: 96.4/99

\- sign -3977.013+/-1593.354 χ^2/NDF: 37.5/51

asym_at2_avg_rms vs Slug



Right In: 8411.966+/-1.758 χ^2/NDF: 1599221.5/22

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8355.571+/-1.643 χ^2/NDF: 2416878.9/28

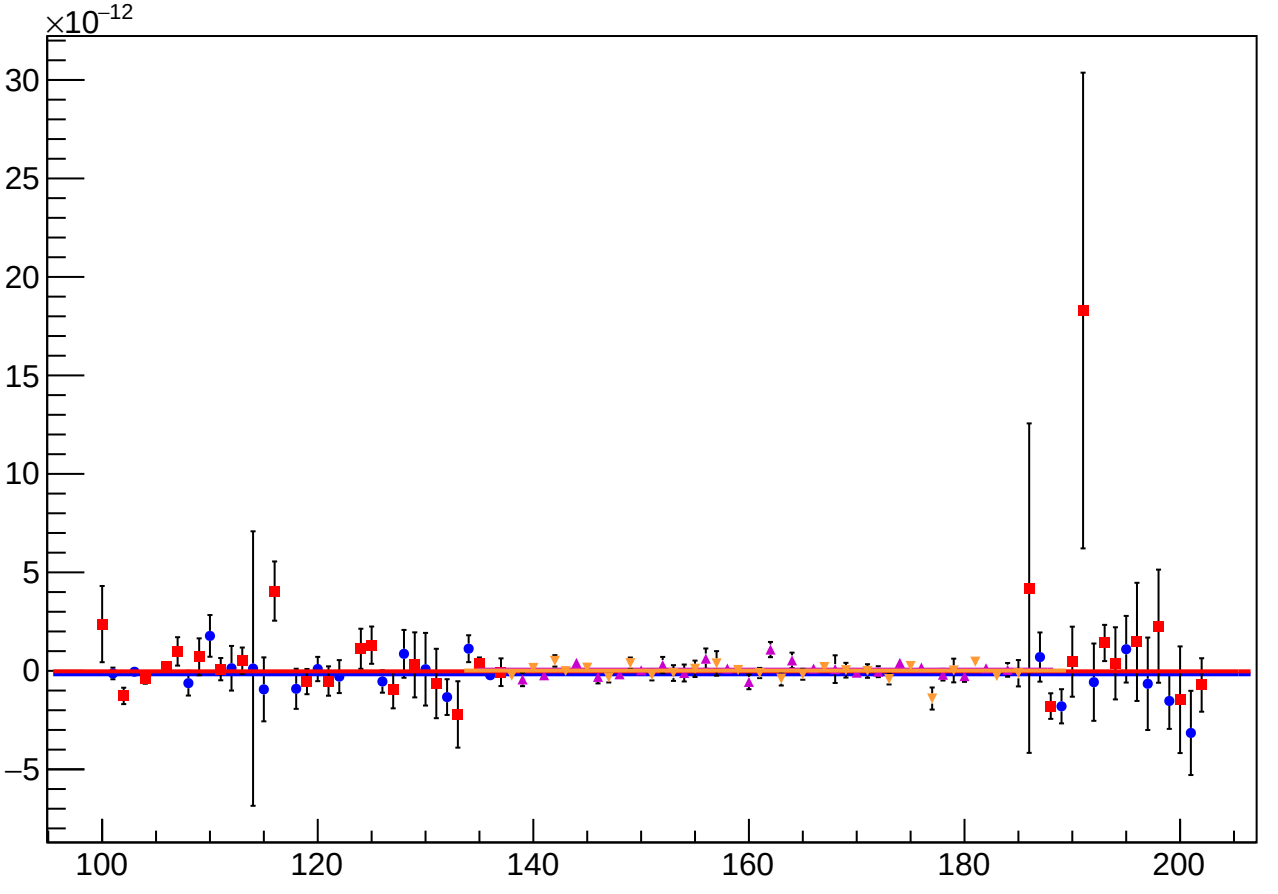
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8574.861+/-1.115 χ^2/NDF: 3665214.1/47

All: 8687.840+/-0.793 χ^2/NDF: 7372475.1/99

- sign 8803.177+/-1.127 χ^2/NDF: 3686514.8/51

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.8/28

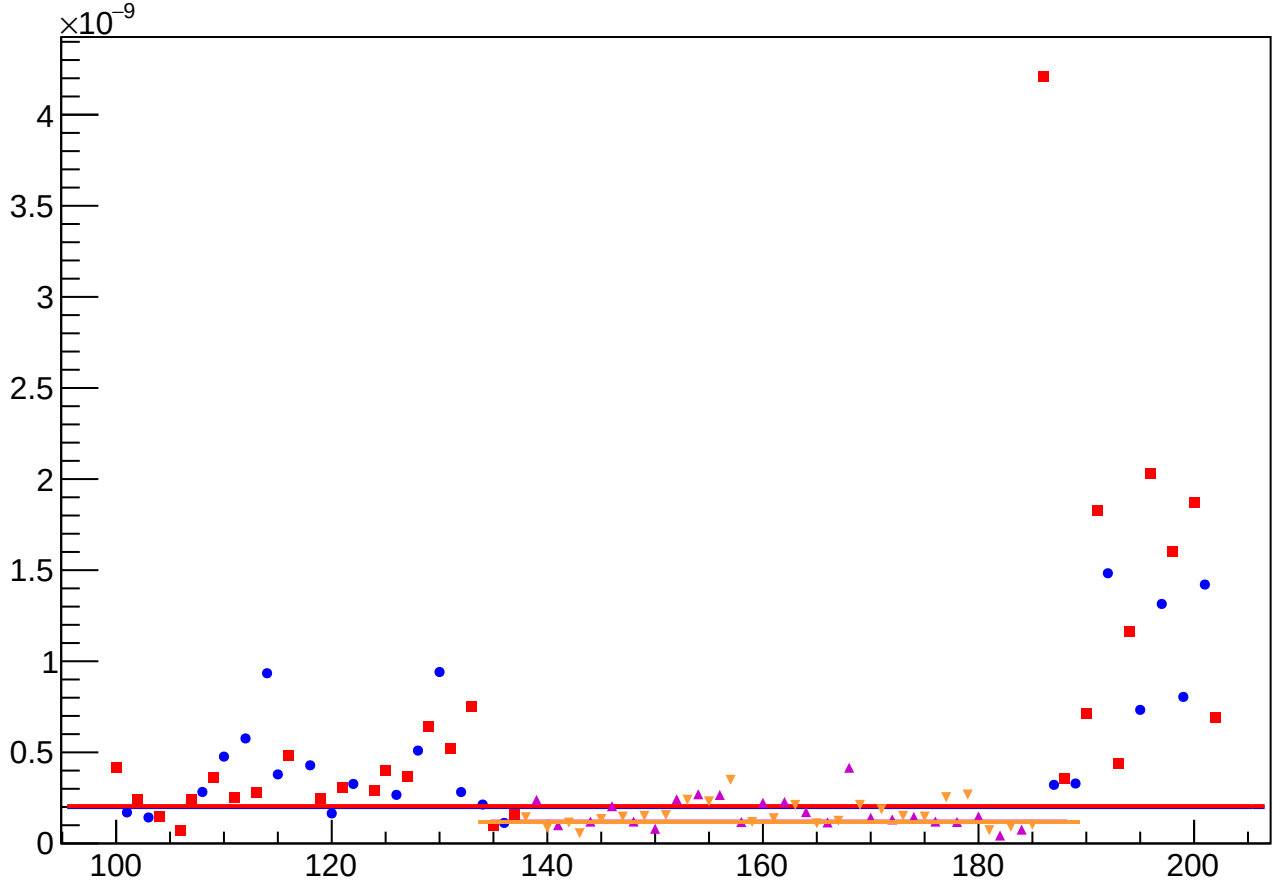
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.3/47

All: 0.000+/-0.000 χ^2/NDF: 126.1/99

- sign 0.000+/-0.000 χ^2/NDF: 75.0/51

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4183600.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5441491.5/28

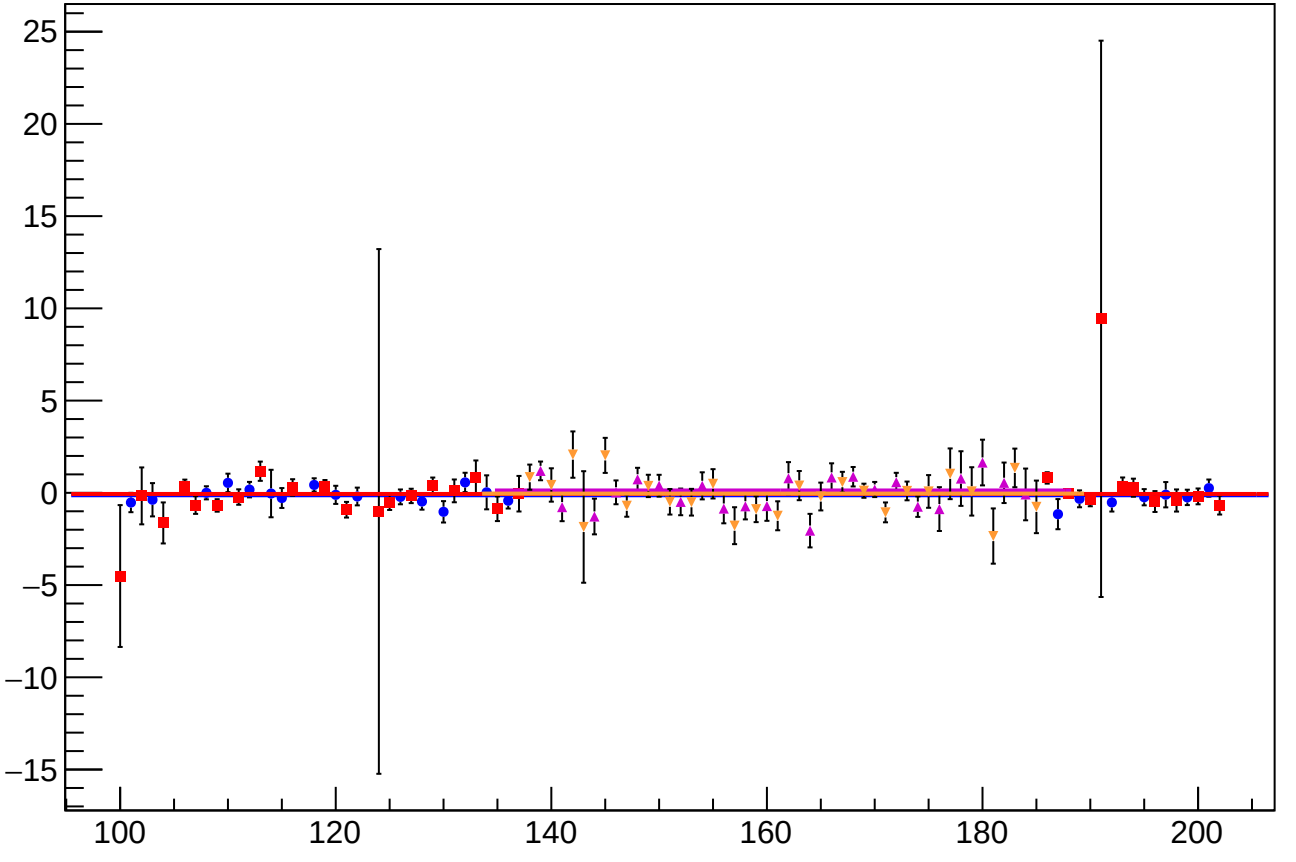
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7356814.1/47

All: 0.000+/-0.000 χ^2/NDF: 16331073.9/99

- sign 0.000+/-0.000 χ^2/NDF: 8967976.7/51

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.131+/-0.102 χ^2/NDF: 14.1/22

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.061+/-0.083 χ^2/NDF: 38.5/28

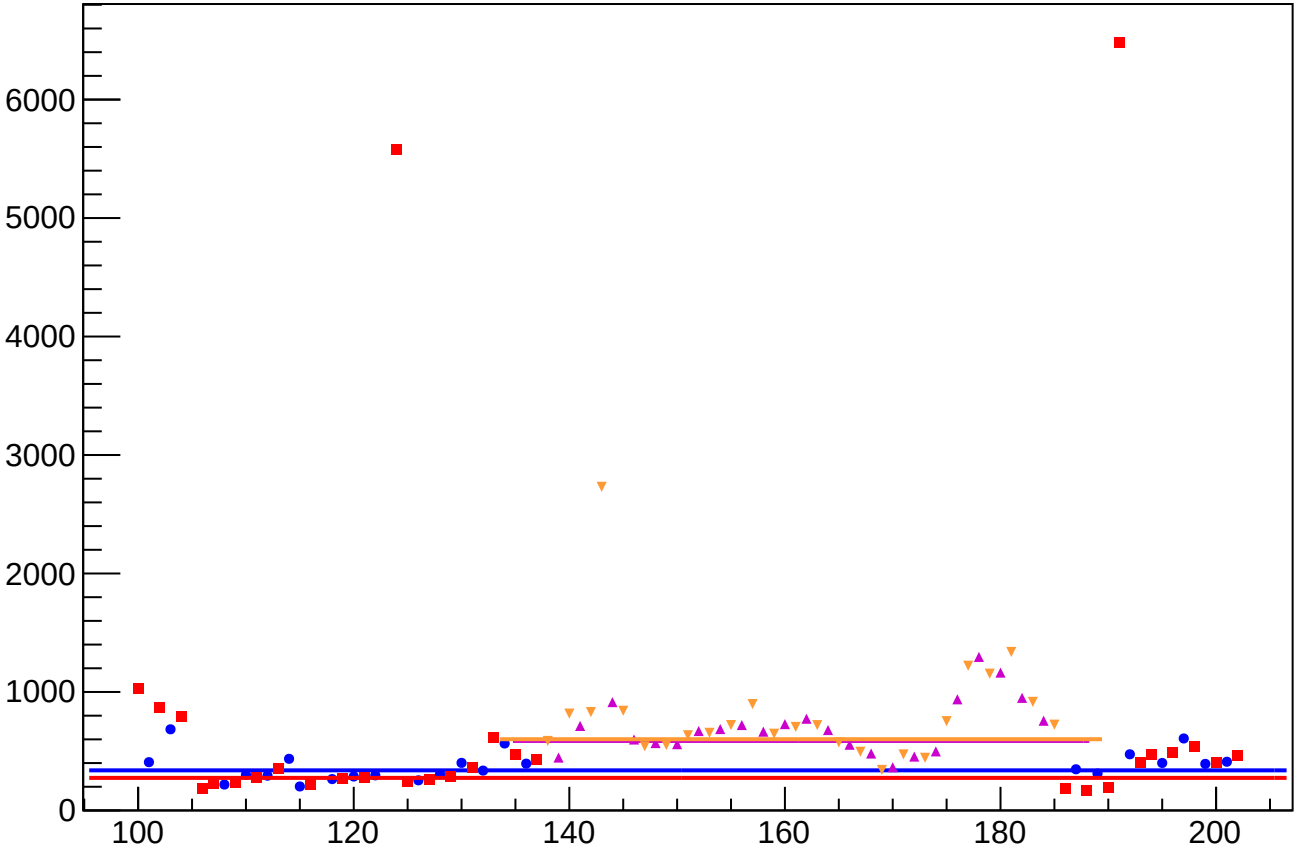
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.102+/-0.084 χ^2/NDF: 44.5/47

All: -0.051+/-0.055 χ^2/NDF: 113.9/99

- sign -0.015+/-0.072 χ^2/NDF: 68.8/51

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 338.513+/-0.072 χ^2/NDF: 1720111.2/22

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

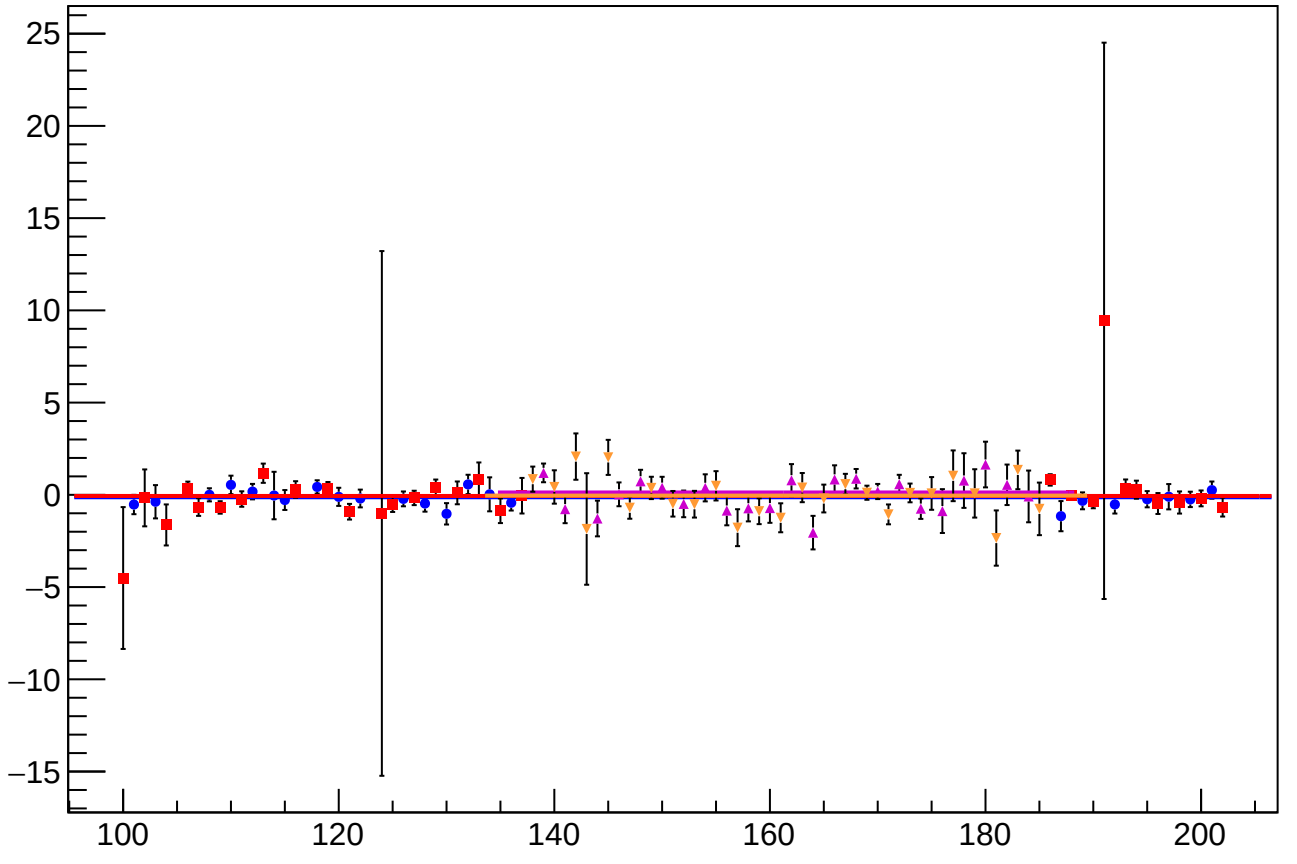
Right Out: 274.908+/-0.059 χ^2/NDF: 4787233.7/28

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 423.942+/-0.059 χ^2/NDF: 10460623.1/47

All: 381.990+/-0.039 χ^2/NDF: 26010020.3/99

- sign 351.357+/-0.051 χ^2/NDF: 14688789.8/51



Right In: -0.131+/-0.102 χ^2/NDF: 14.1/22

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.061+/-0.083 χ^2/NDF: 38.5/28

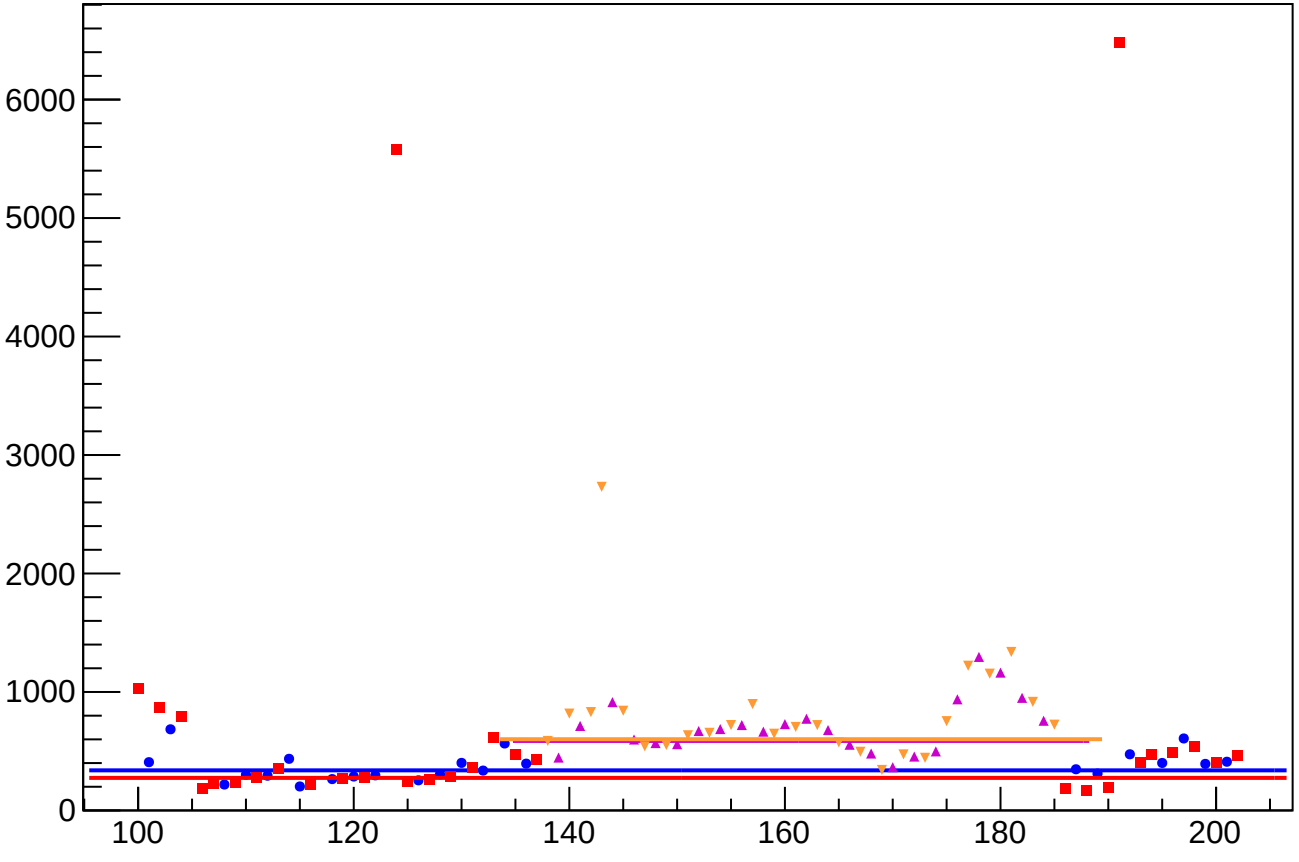
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.102+/-0.084 χ^2/NDF: 44.5/47

All: -0.051+/-0.055 χ^2/NDF: 113.9/99

- sign -0.015+/-0.072 χ^2/NDF: 68.8/51

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 338.513+/-0.072 χ^2/NDF: 1720111.2/22

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

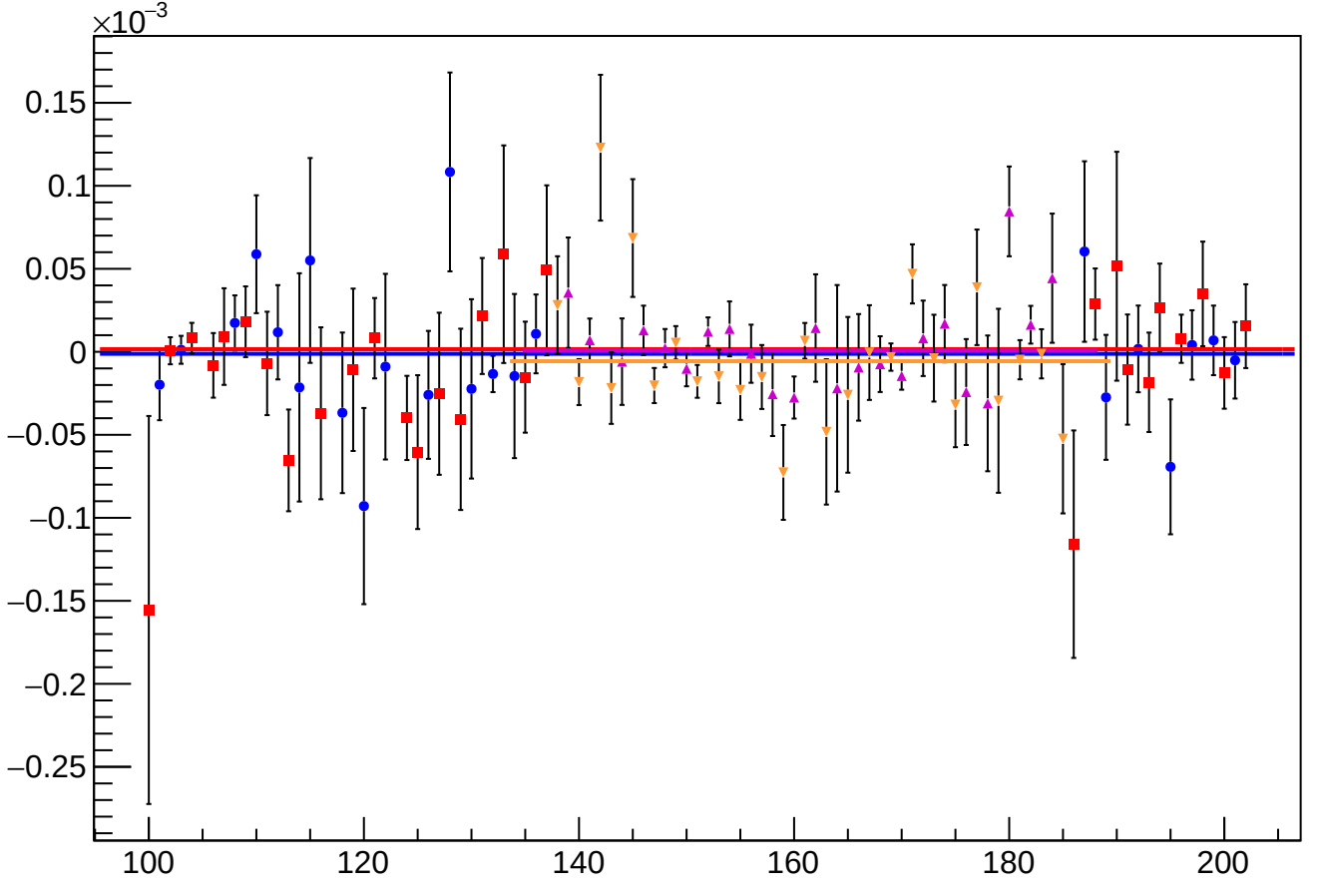
Right Out: 274.908+/-0.059 χ^2/NDF: 4787233.7/28

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 423.942+/-0.059 χ^2/NDF: 10460623.1/47

All: 381.990+/-0.039 χ^2/NDF: 26010020.3/99

- sign 351.357+/-0.051 χ^2/NDF: 14688789.8/51



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/28

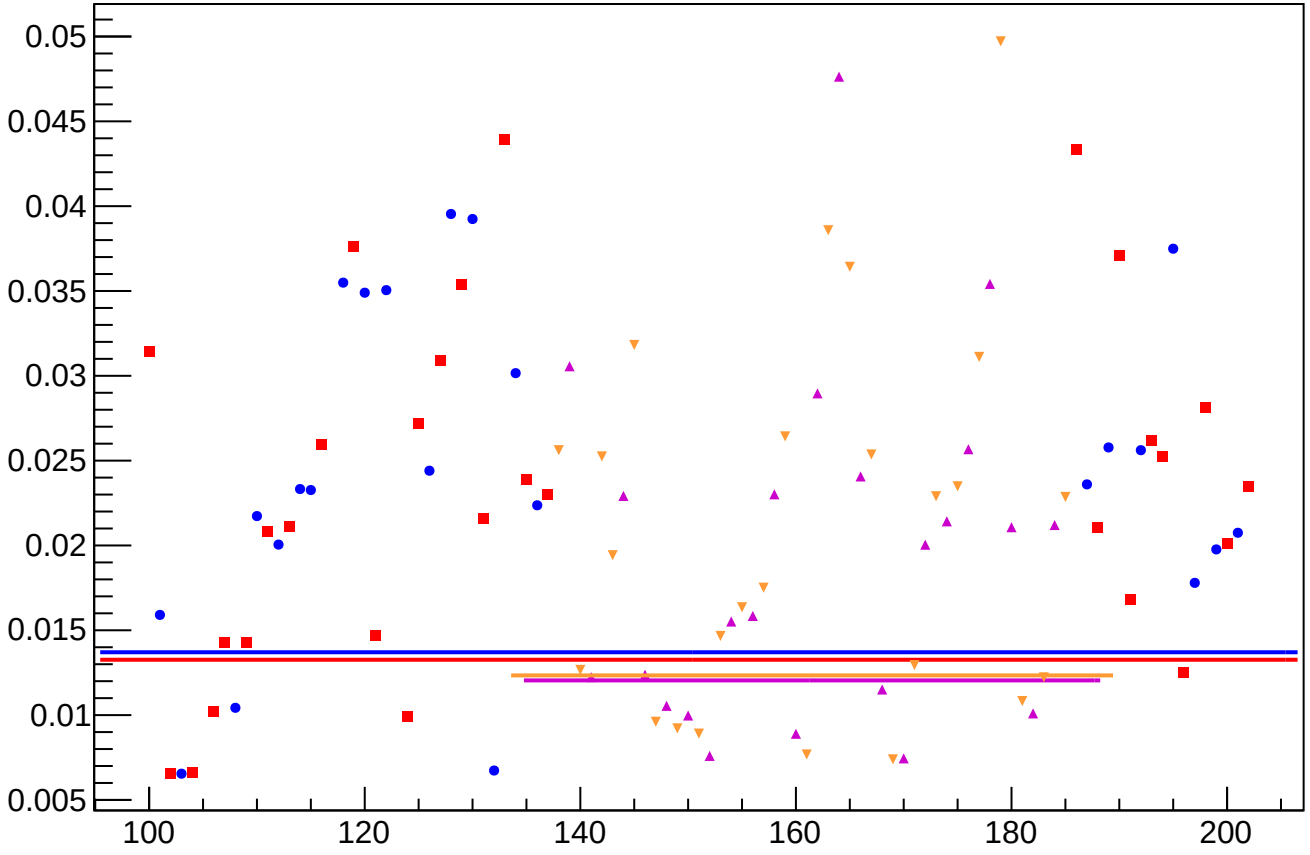
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.6/47

All: -0.000+/-0.000 χ^2/NDF: 119.9/99

- sign 0.000+/-0.000 χ^2/NDF: 55.2/51

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 6868410.6/22

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

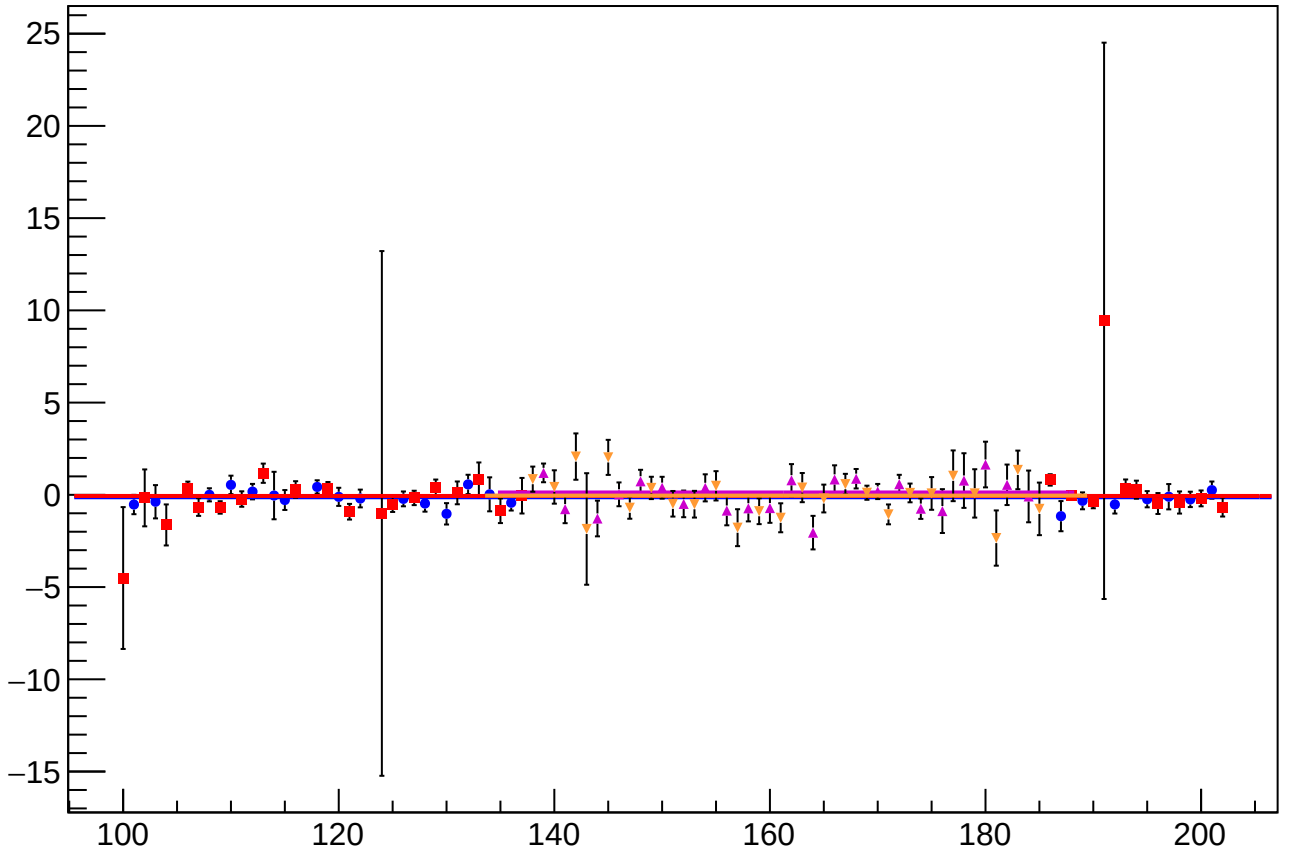
Right Out: 0.013+/-0.000 χ^2/NDF: 7676600.6/28

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 14820992.1/47

All: 0.013+/-0.000 χ^2/NDF: 28993256.8/99

- sign 0.013+/-0.000 χ^2/NDF: 14162119.6/51



Right In: -0.131+/-0.102 χ^2/NDF: 14.1/22

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.061+/-0.083 χ^2/NDF: 38.5/28

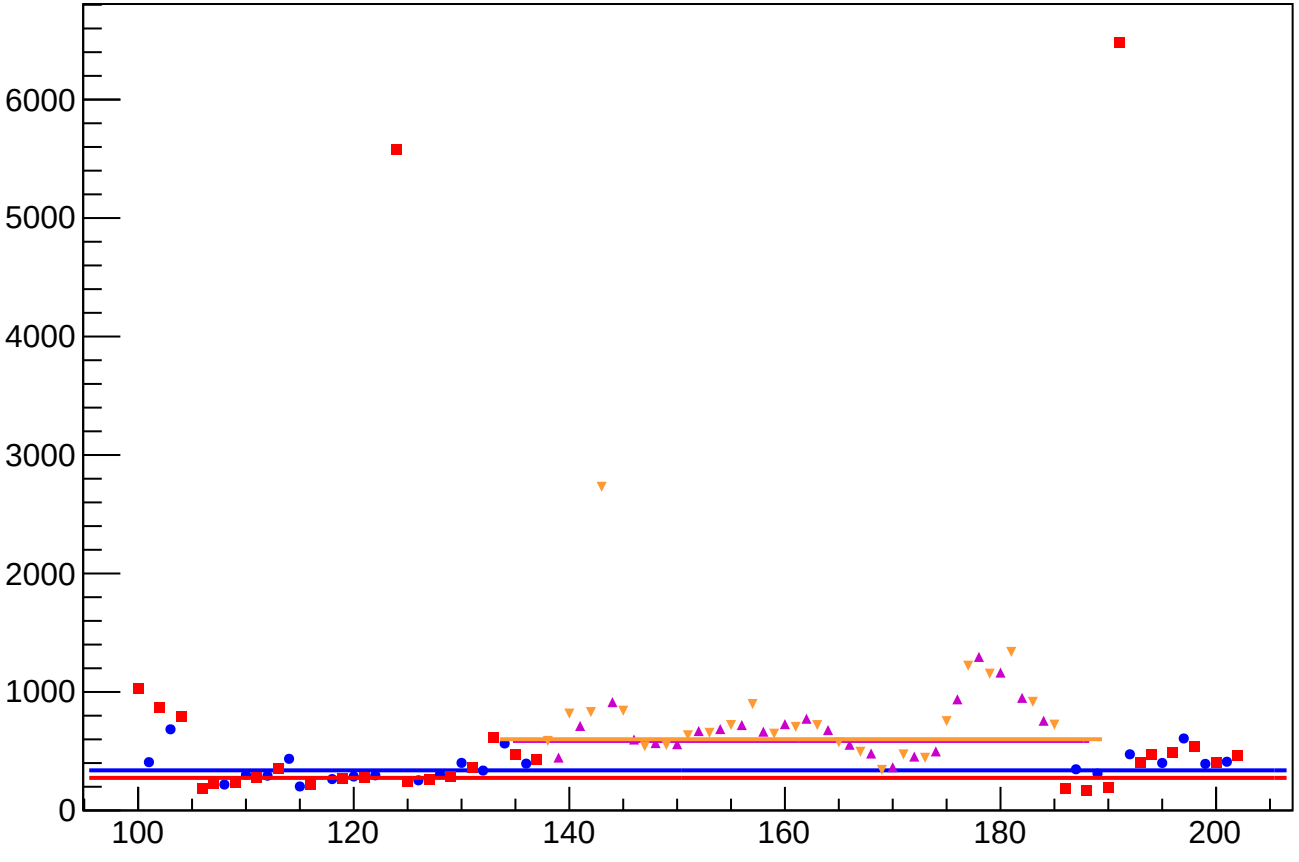
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.102+/-0.084 χ^2/NDF: 44.5/47

All: -0.051+/-0.055 χ^2/NDF: 113.9/99

- sign -0.015+/-0.072 χ^2/NDF: 68.8/51

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 338.512+/-0.072 χ^2/NDF: 1720087.9/22

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

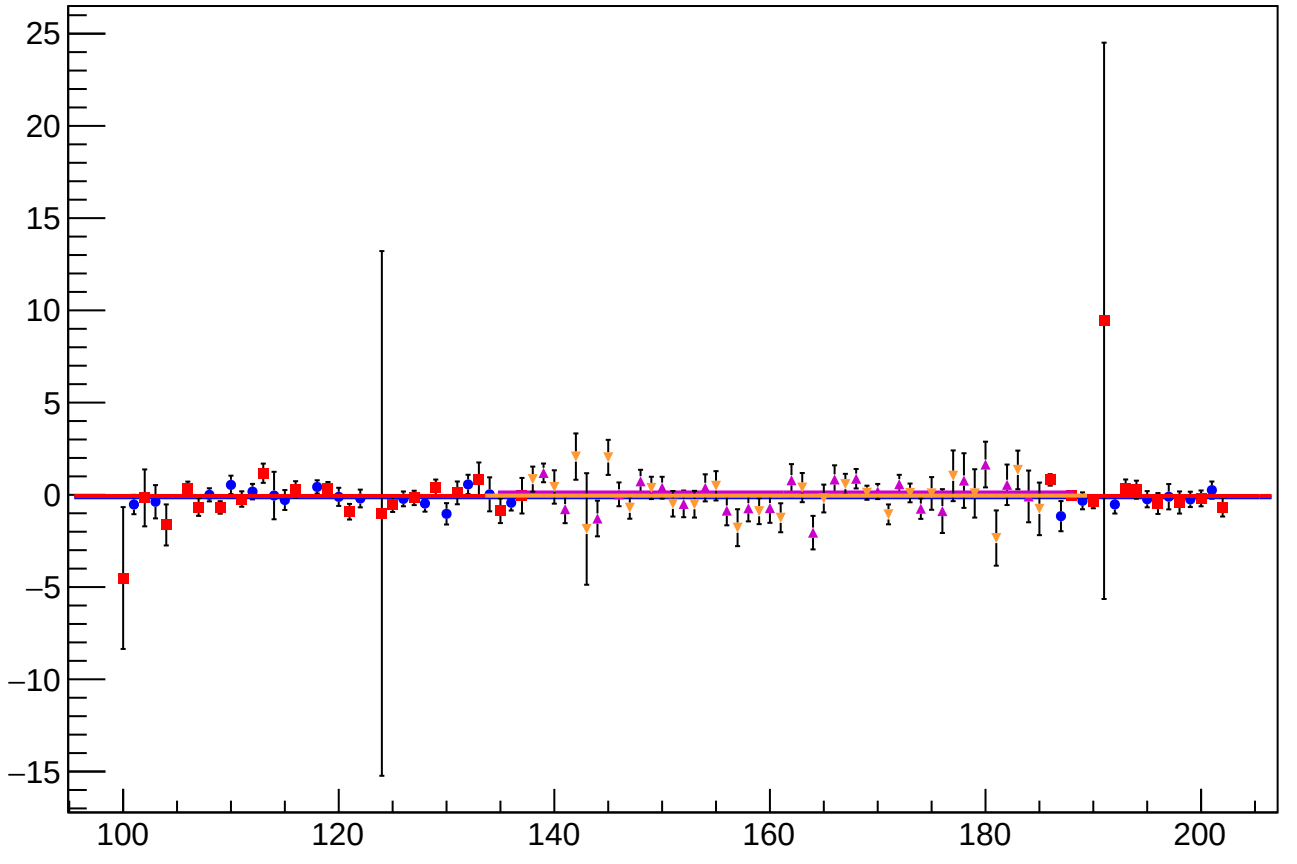
Right Out: 274.901+/-0.059 χ^2/NDF: 4787522.0/28

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 423.940+/-0.059 χ^2/NDF: 10460851.8/47

All: 381.985+/-0.039 χ^2/NDF: 26011234.1/99

- sign 351.350+/-0.051 χ^2/NDF: 14689630.2/51



Right In: -0.131+/-0.102 χ^2/NDF: 14.1/22

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

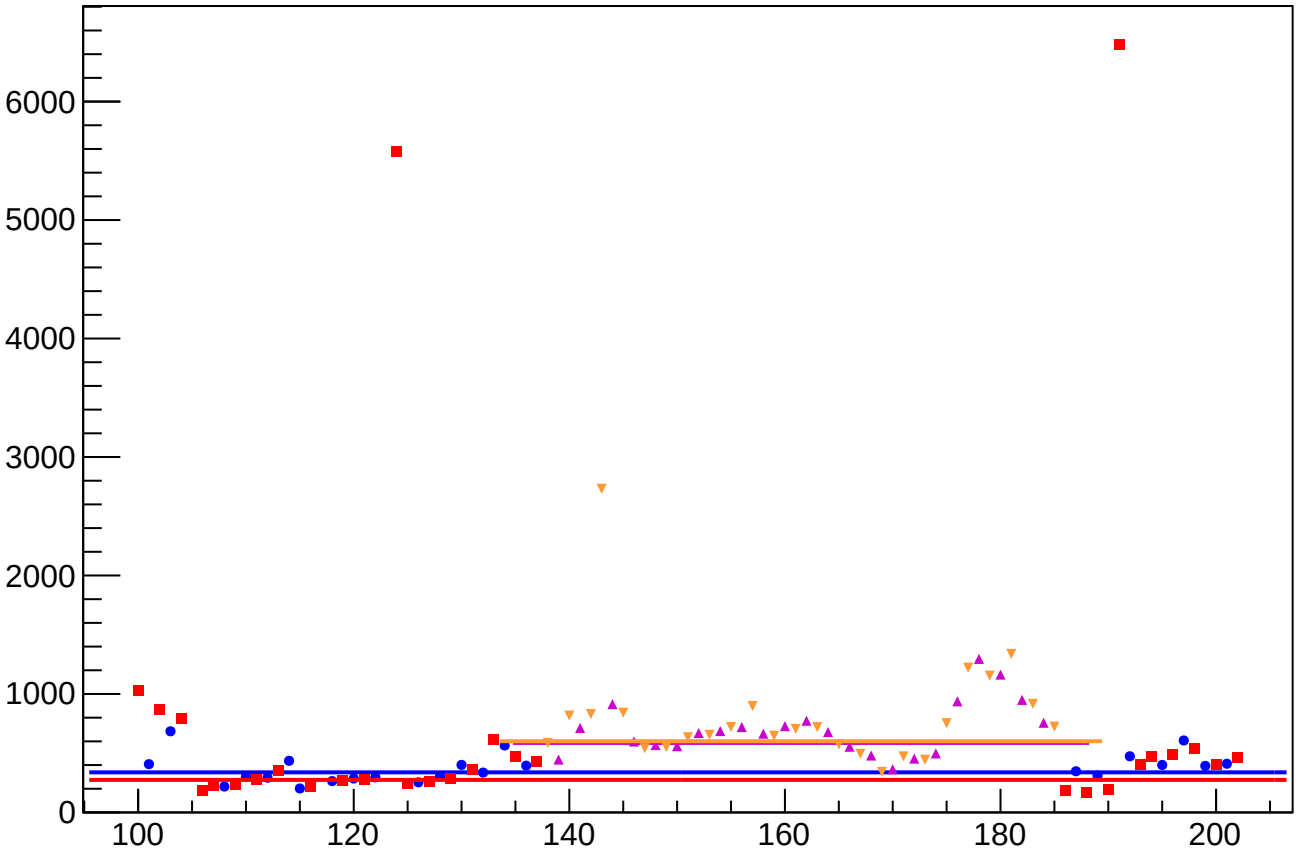
Right Out: -0.061+/-0.083 χ^2/NDF: 38.5/28

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.102+/-0.084 χ^2/NDF: 44.5/47

All: -0.051+/-0.055 χ^2/NDF: 113.9/99

- sign -0.015+/-0.072 χ^2/NDF: 68.8/51



Right In: 338.512+/-0.072 χ^2/NDF: 1720087.9/22

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 274.901+/-0.059 χ^2/NDF: 4787522.0/28

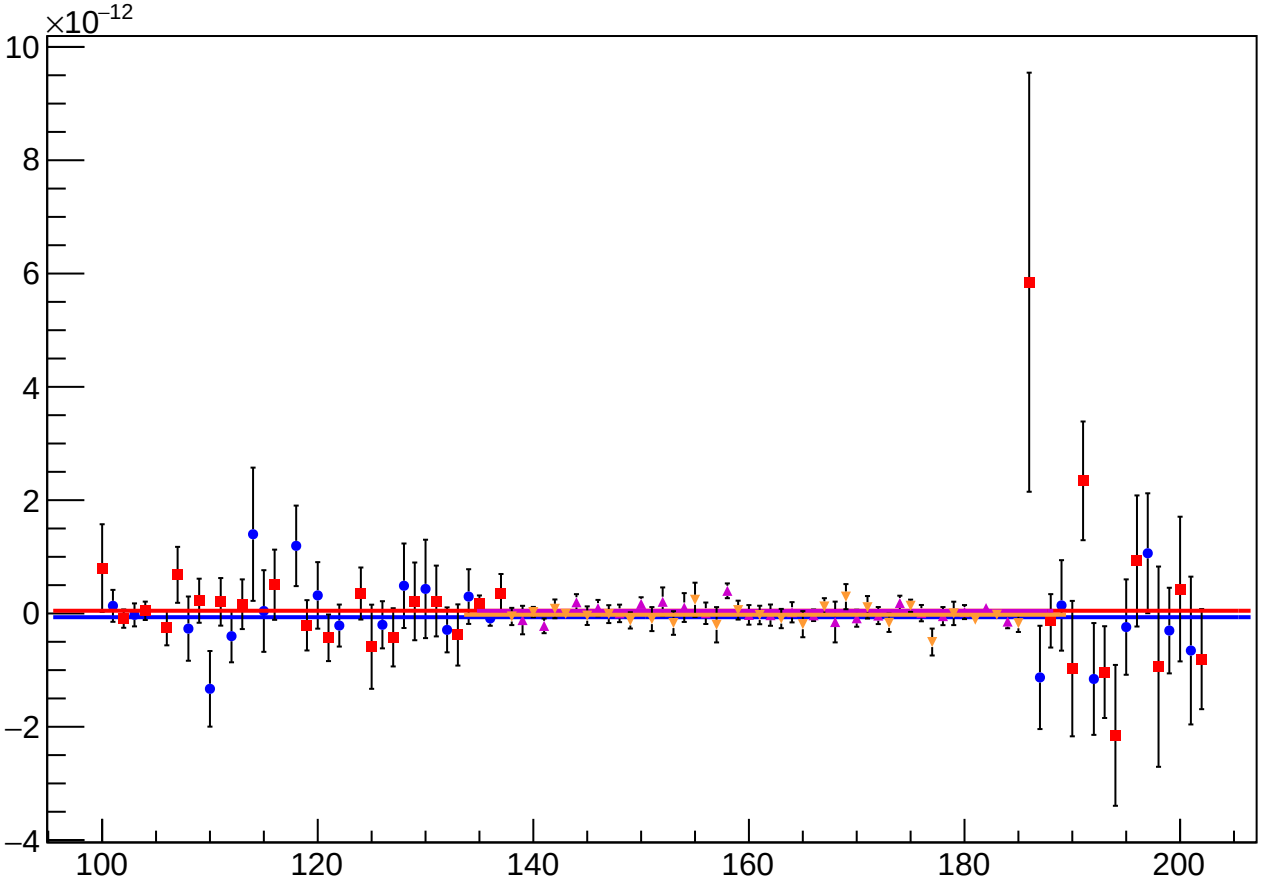
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 423.940+/-0.059 χ^2/NDF: 10460851.8/47

All: 381.985+/-0.039 χ^2/NDF: 26011234.1/99

- sign 351.350+/-0.051 χ^2/NDF: 14689630.2/51

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

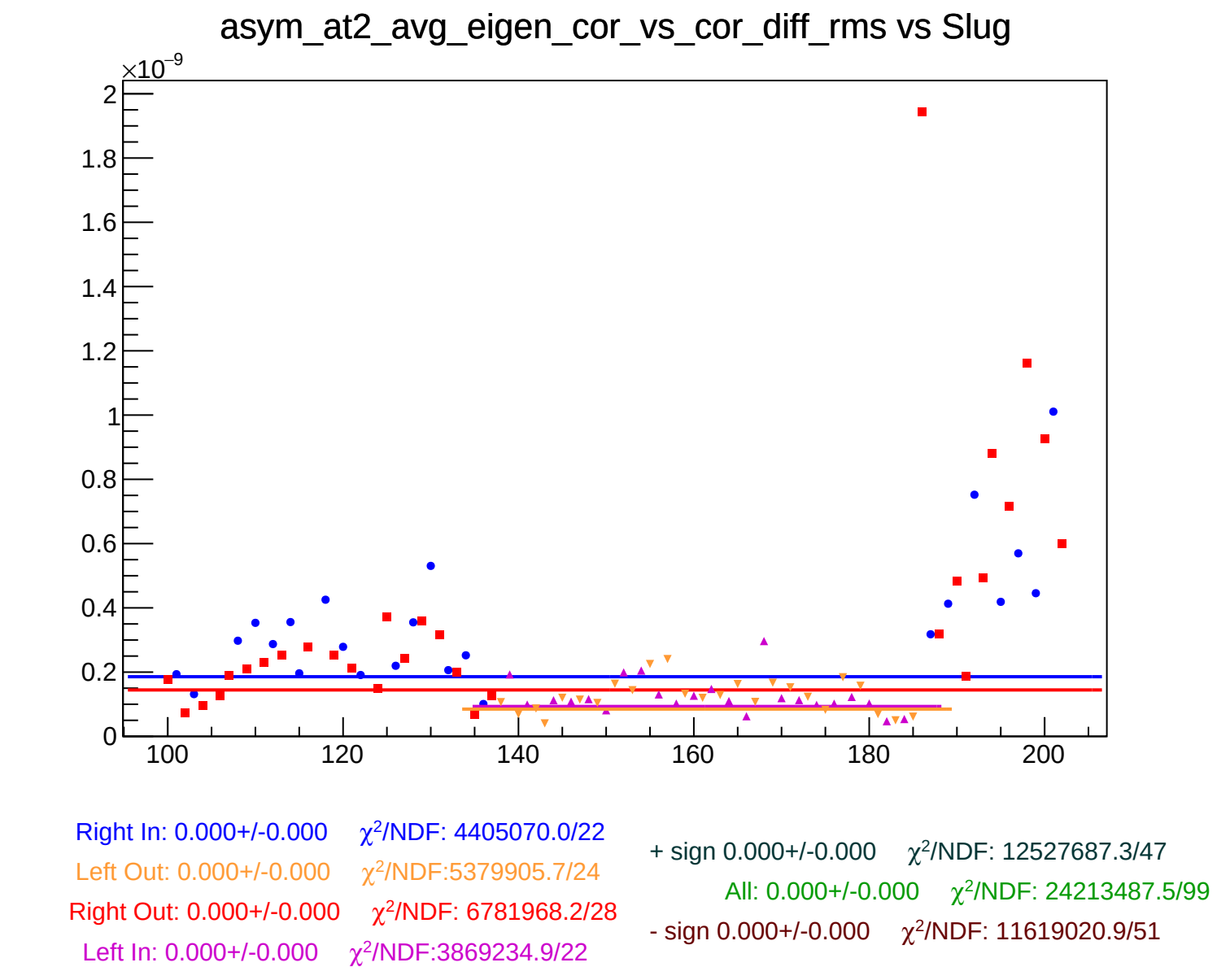
Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/28

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

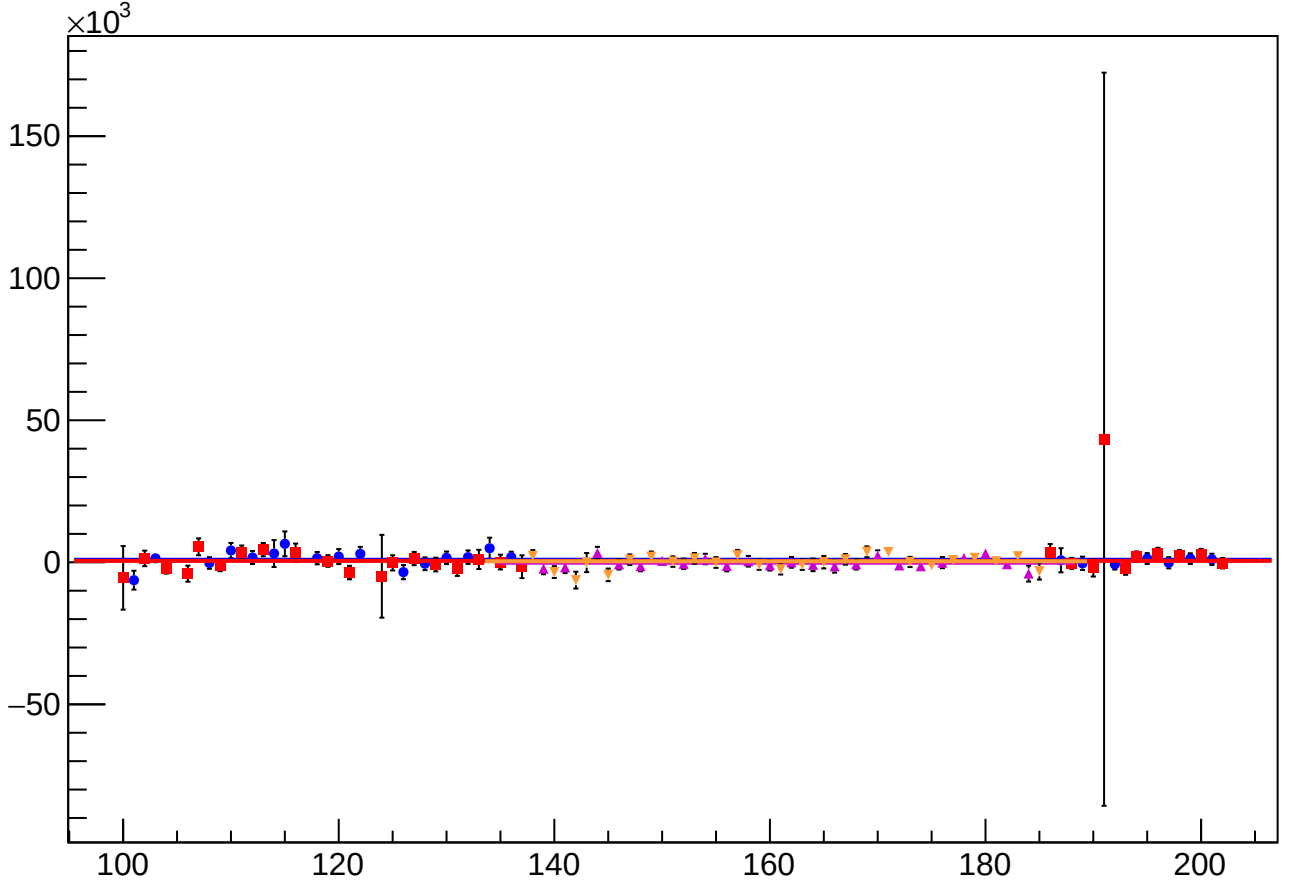
+ sign -0.000+/-0.000 χ^2/NDF: 32.7/47

All: 0.000+/-0.000 χ^2/NDF: 85.1/99

- sign 0.000+/-0.000 χ^2/NDF: 48.4/51


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4405070.0/22
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6781968.2/28
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
+ sign 0.000+/-0.000 χ²/NDF: 12527687.3/47
All: 0.000+/-0.000 χ²/NDF: 24213487.5/99
- sign 0.000+/-0.000 χ²/NDF: 11619020.9/51

reg_asym_at2_dd_mean vs Slug



Right In: 897.435+/-482.437 χ^2/NDF: 16.1/22

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 498.046+/-453.165 χ^2/NDF: 27.9/28

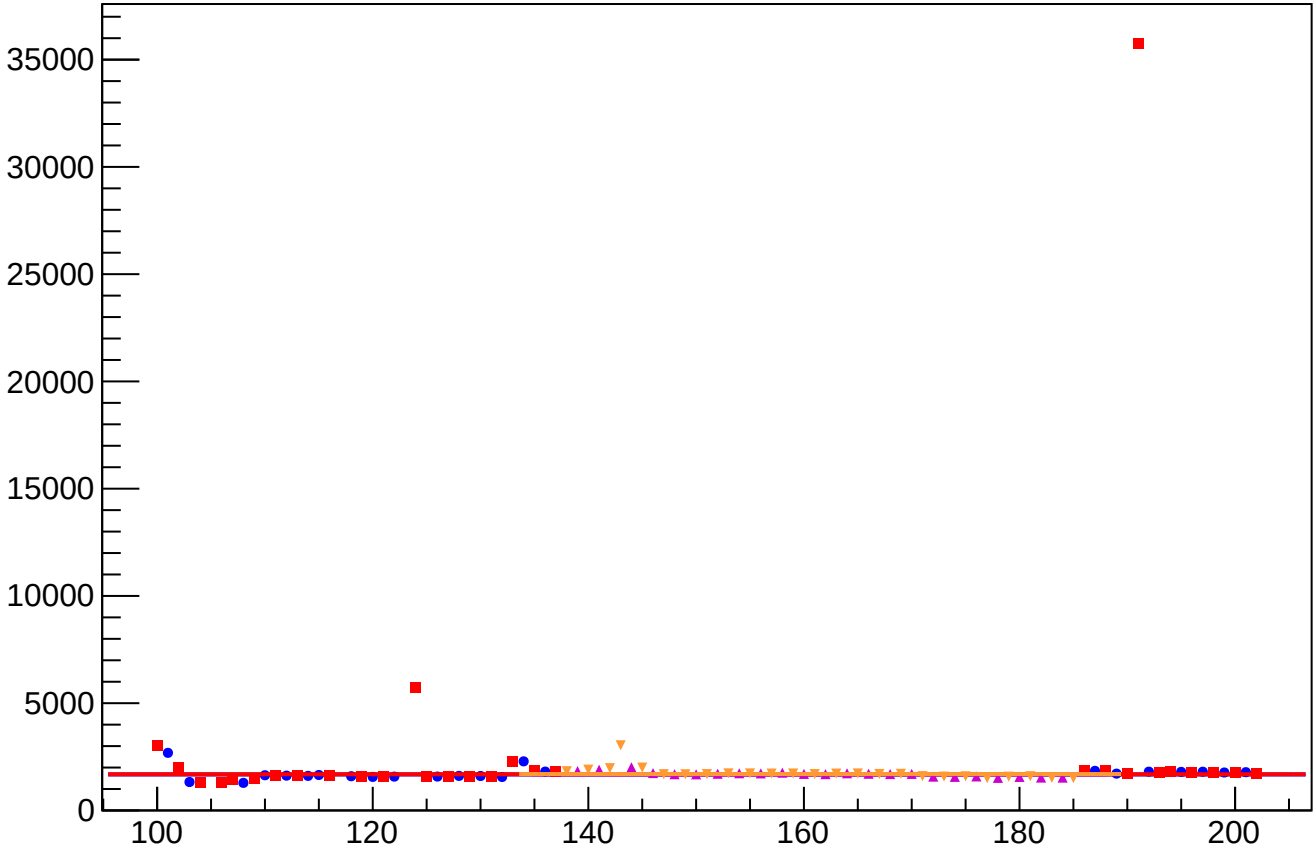
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 572.173+/-302.411 χ^2/NDF: 46.4/47

All: 344.980+/-212.059 χ^2/NDF: 92.6/99

- sign 125.191+/-297.443 χ^2/NDF: 45.1/51

reg_asym_at2_dd_rms vs Slug



Right In: 1677.953+/-0.341 χ^2/NDF: 467242.4/22

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1686.894+/-0.320 χ^2/NDF: 667640.7/28

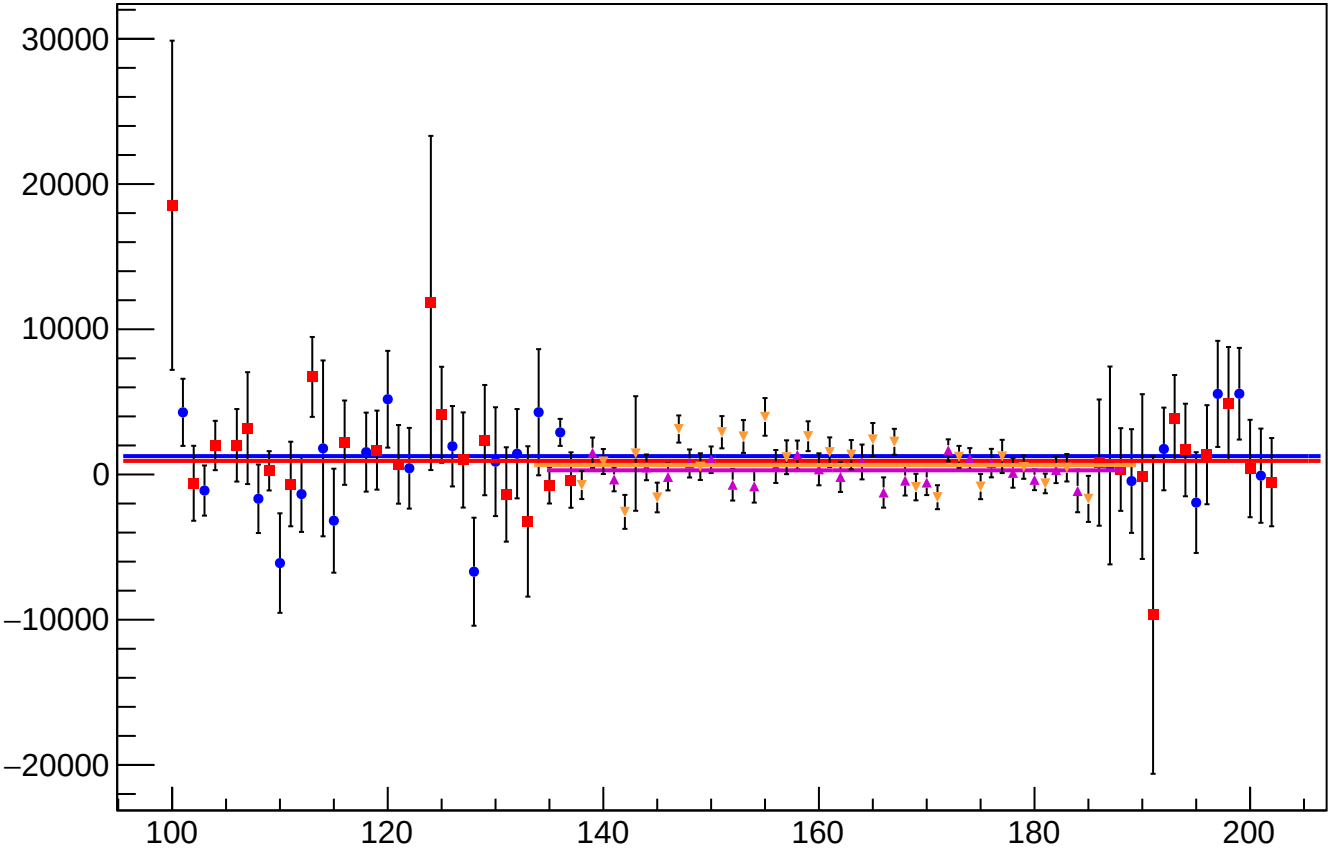
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1689.817+/-0.214 χ^2/NDF: 964632.4/47

All: 1687.661+/-0.150 χ^2/NDF: 1797858.6/99

- sign 1685.575+/-0.210 χ^2/NDF: 833026.2/51

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1265.940+/-530.067 χ^2/NDF: 26.5/22

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 934.936+/-500.394 χ^2/NDF: 17.6/28

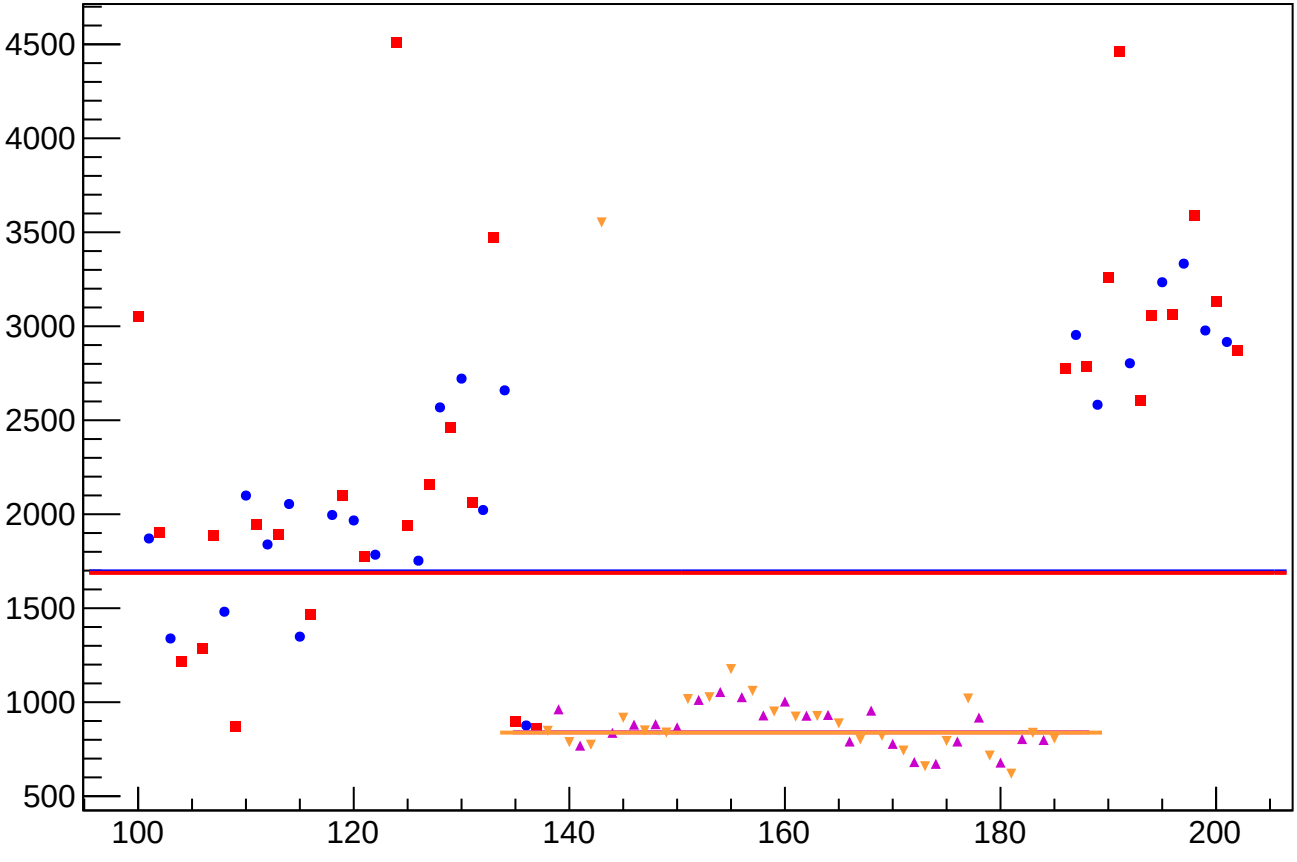
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

\+ sign 723.132+/-183.563 χ^2/NDF: 93.2/47

All: 550.700+/-130.131 χ^2/NDF: 130.6/99

\- sign 376.488+/-184.508 χ^2/NDF: 35.6/51

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1695.876+/-0.375 χ^2/NDF: 4048616.4/22

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

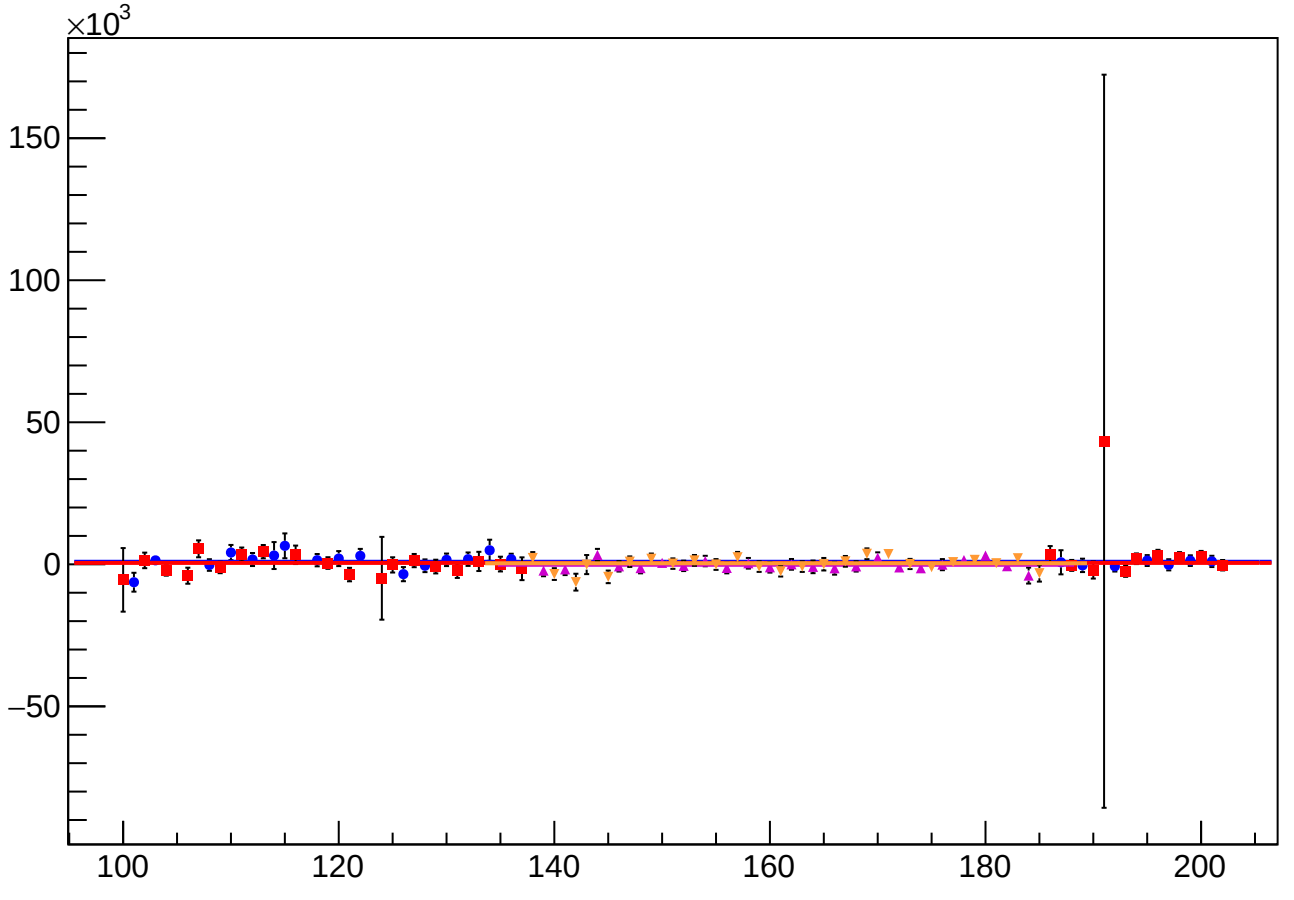
Right Out: 1688.037+/-0.354 χ^2/NDF: 5494569.2/28

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 941.094+/-0.130 χ^2/NDF: 10456646.2/47

All: 948.149+/-0.092 χ^2/NDF: 21590076.9/99

- sign 955.277+/-0.130 χ^2/NDF: 11127491.6/51



Right In: 897.465+/-482.437 χ^2/NDF: 16.1/22

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 498.224+/-453.165 χ^2/NDF: 27.9/28

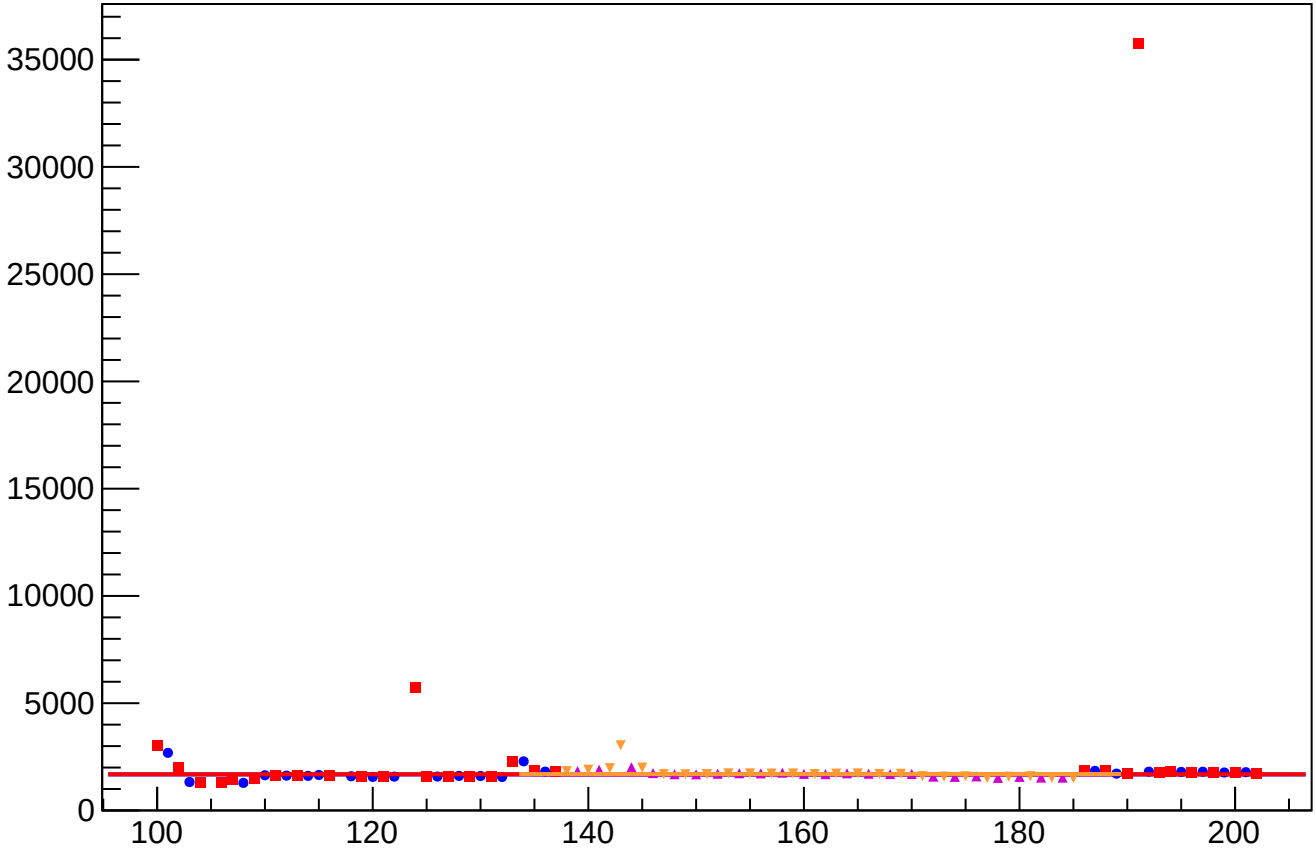
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 572.133+/-302.411 χ^2/NDF: 46.4/47

All: 345.027+/-212.059 χ^2/NDF: 92.6/99

- sign 125.321+/-297.443 χ^2/NDF: 45.1/51

cor_asym_at2_dd_rms vs Slug



Right In: 1677.953+/-0.341 χ^2/NDF: 467242.7/22

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

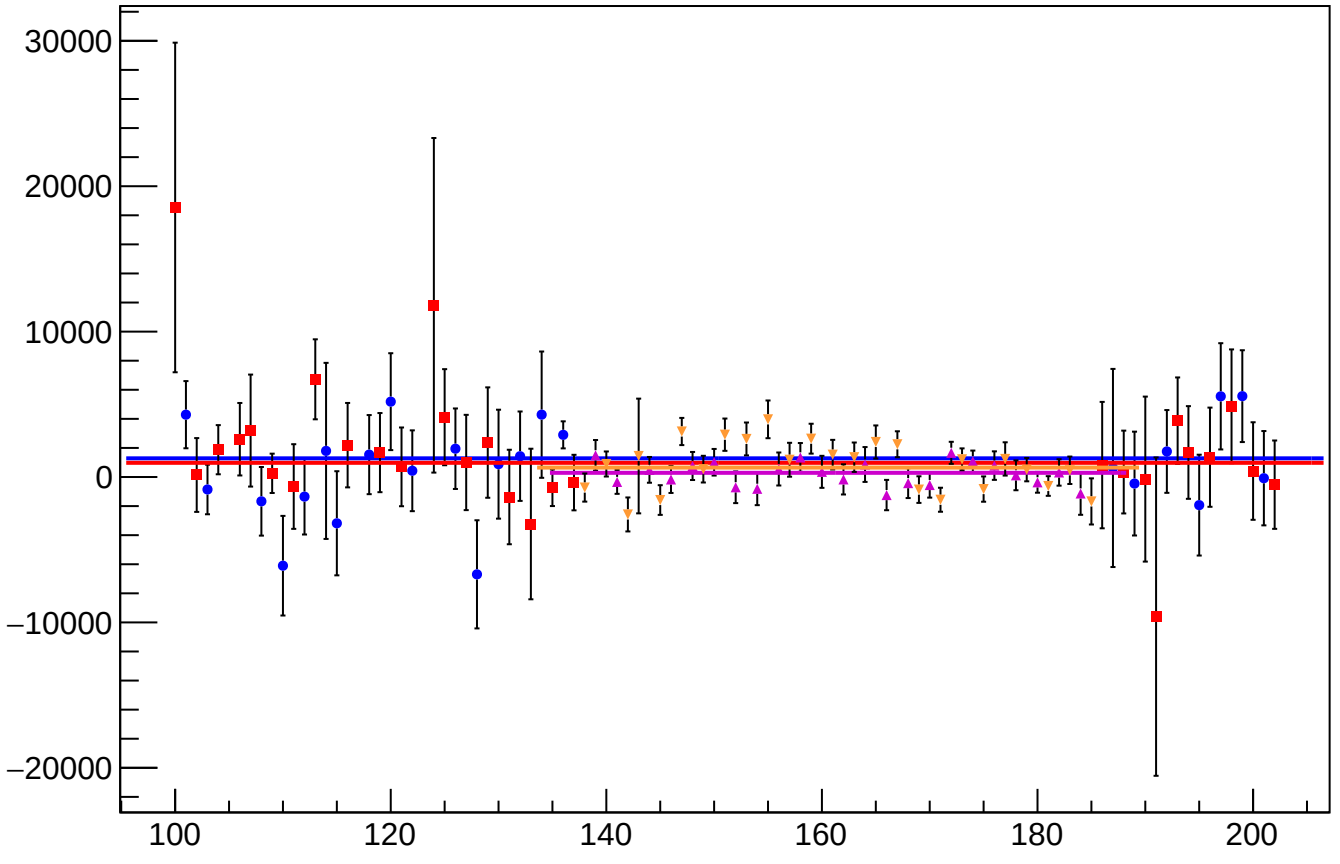
Right Out: 1686.894+/-0.320 χ^2/NDF: 667640.8/28

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1689.817+/-0.214 χ^2/NDF: 964632.8/47

All: 1687.661+/-0.150 χ^2/NDF: 1797859.0/99

- sign 1685.575+/-0.210 χ^2/NDF: 833026.3/51



Right In: 1284.916+/-529.436 χ^2/NDF: 26.2/22

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 976.537+/-499.836 χ^2/NDF: 17.5/28

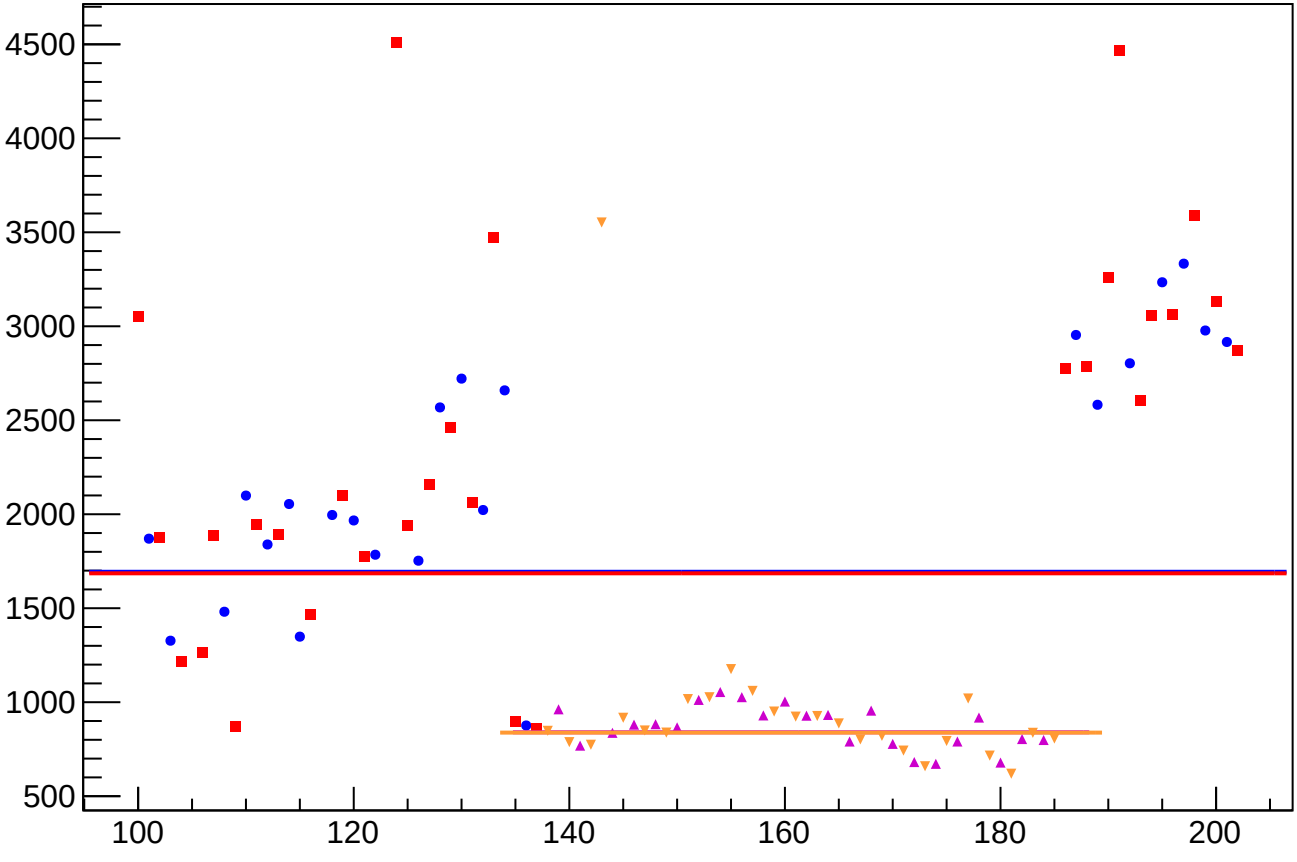
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 725.569+/-183.539 χ^2/NDF: 93.0/47

All: 554.819+/-130.113 χ^2/NDF: 130.5/99

- sign 382.313+/-184.480 χ^2/NDF: 35.7/51

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1693.877+/-0.374 χ^2/NDF: 4056396.4/22

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1685.702+/-0.353 χ^2/NDF: 5500337.4/28

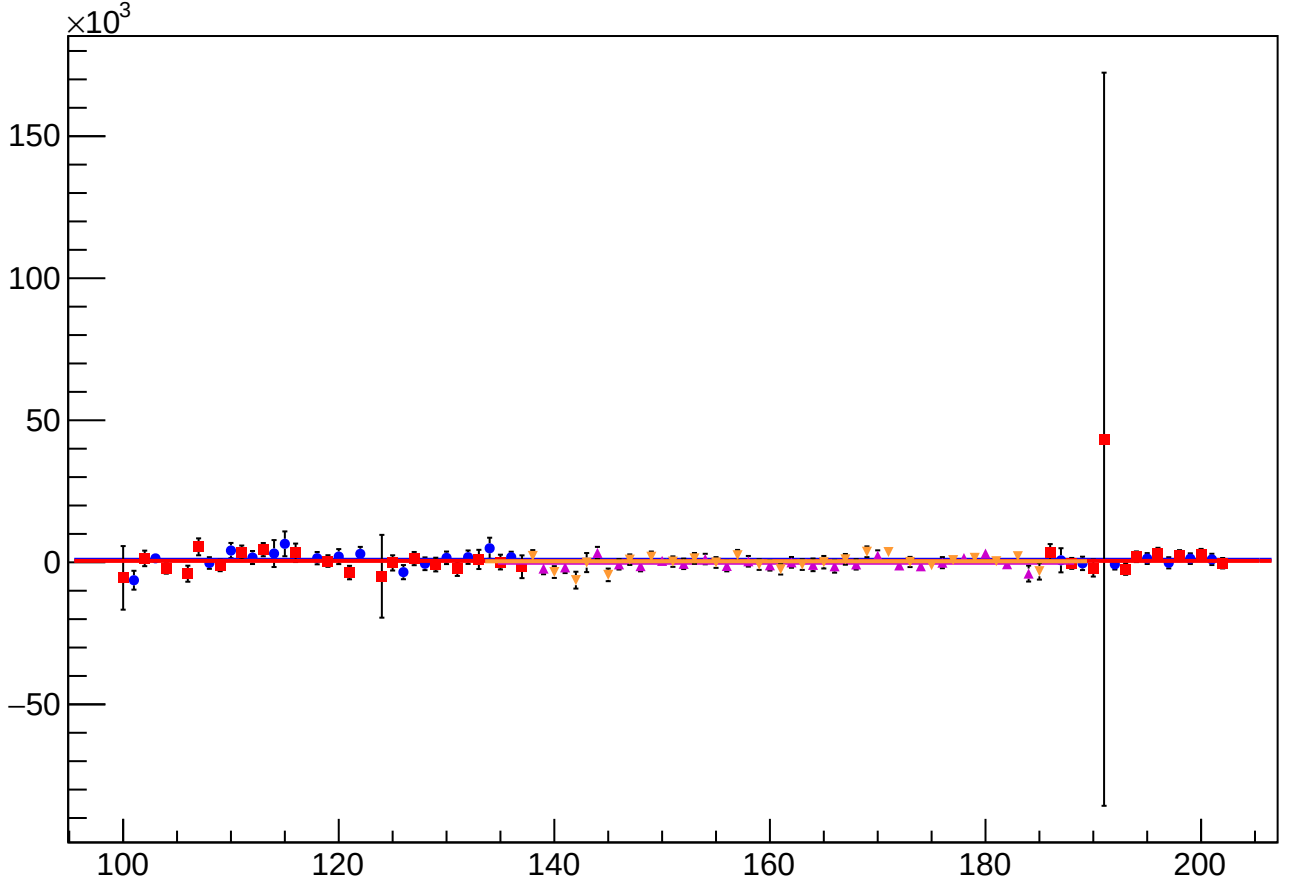
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 941.082+/-0.130 χ^2/NDF: 10452339.0/47

All: 948.097+/-0.092 χ^2/NDF: 21573667.6/99

- sign 955.184+/-0.130 χ^2/NDF: 11115455.3/51

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 897.465+/-482.437 χ^2/NDF: 16.1/22

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 498.224+/-453.165 χ^2/NDF: 27.9/28

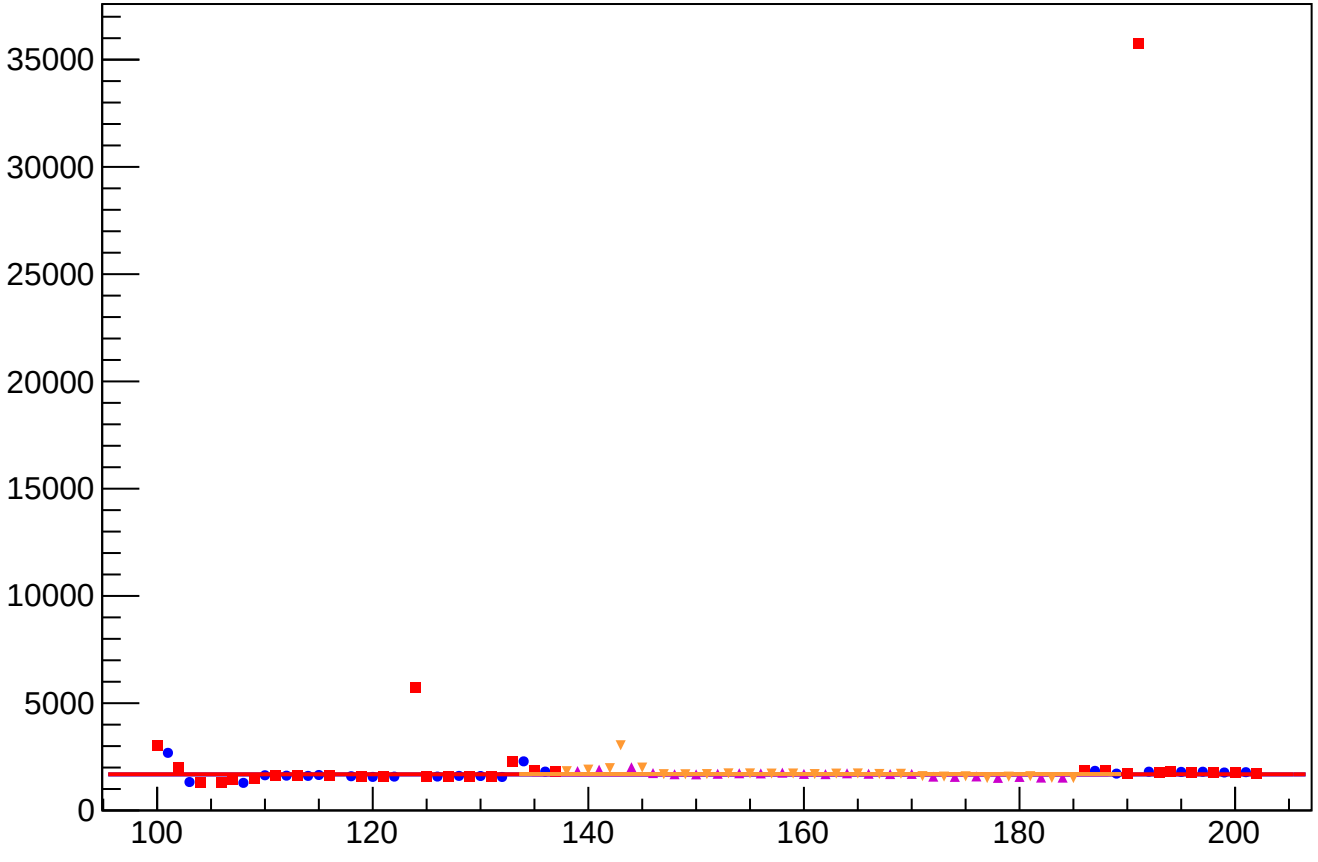
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 572.133+/-302.411 χ^2/NDF: 46.4/47

All: 345.027+/-212.059 χ^2/NDF: 92.6/99

- sign 125.321+/-297.443 χ^2/NDF: 45.1/51

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1677.953+/-0.341 χ^2/NDF: 467242.7/22

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

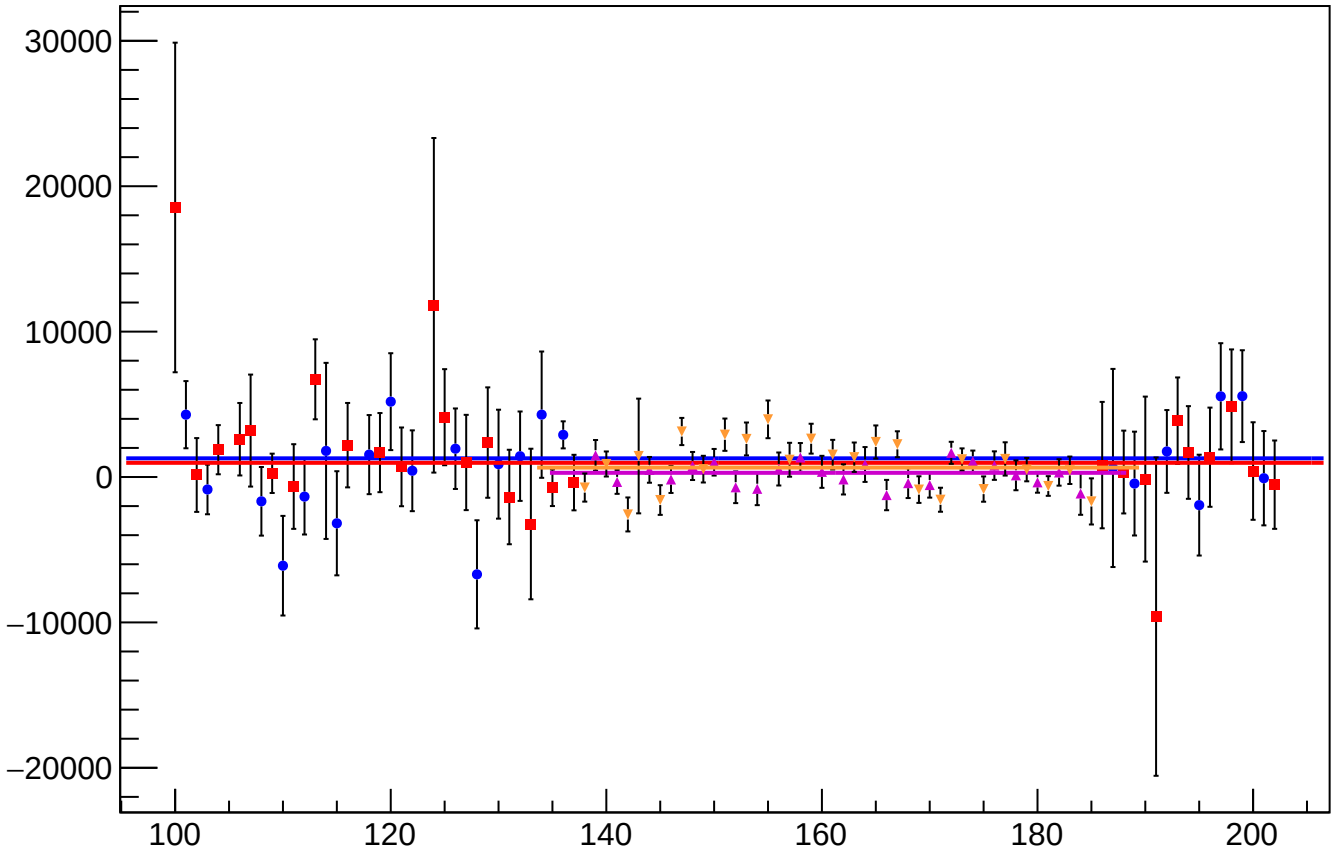
Right Out: 1686.894+/-0.320 χ^2/NDF: 667640.8/28

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1689.817+/-0.214 χ^2/NDF: 964632.8/47

All: 1687.661+/-0.150 χ^2/NDF: 1797859.0/99

- sign 1685.575+/-0.210 χ^2/NDF: 833026.3/51



Right In: 1284.916+/-529.436 χ^2/NDF: 26.2/22

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 976.537+/-499.836 χ^2/NDF: 17.5/28

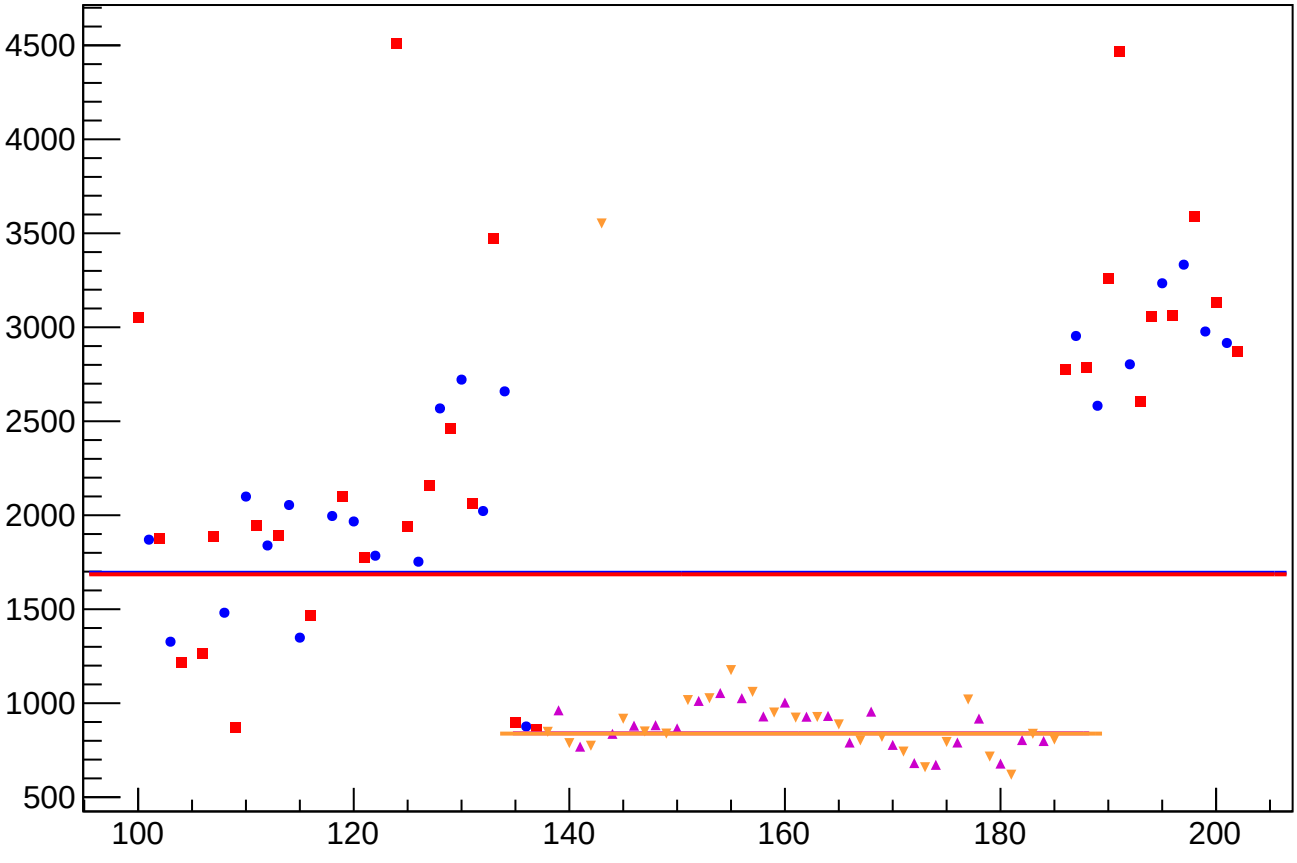
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 725.569+/-183.539 χ^2/NDF: 93.0/47

All: 554.819+/-130.113 χ^2/NDF: 130.5/99

- sign 382.313+/-184.480 χ^2/NDF: 35.7/51

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1693.877+/-0.374 χ^2/NDF: 4056396.4/22

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1685.702+/-0.353 χ^2/NDF: 5500337.4/28

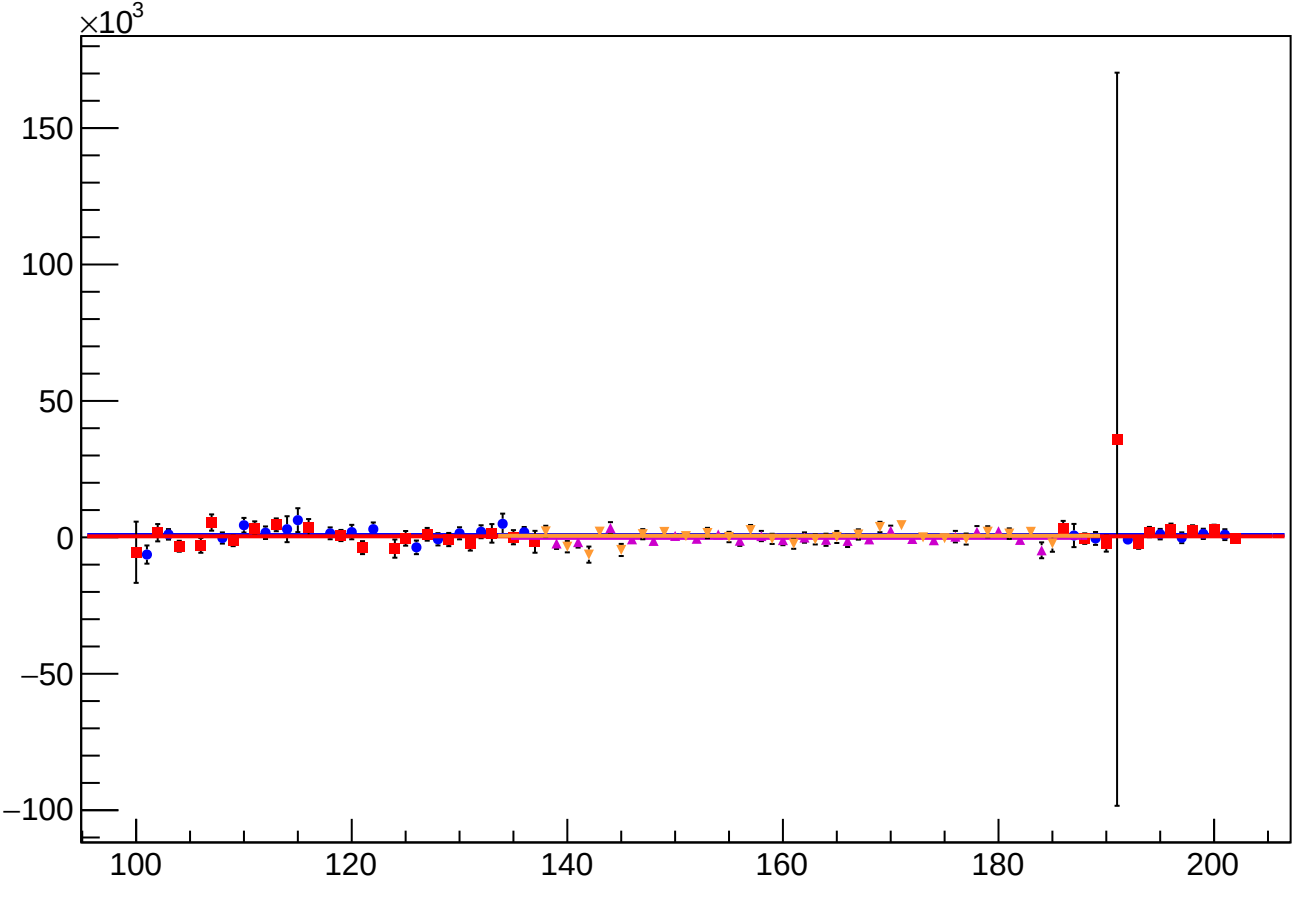
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 941.082+/-0.130 χ^2/NDF: 10452339.0/47

All: 948.097+/-0.092 χ^2/NDF: 21573667.6/99

- sign 955.184+/-0.130 χ^2/NDF: 11115455.3/51

dit_asym_at2_dd_mean vs Slug



Right In: 852.448+/-486.972 χ^2/NDF: 16.6/22

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 376.578+/-453.691 χ^2/NDF: 30.2/28

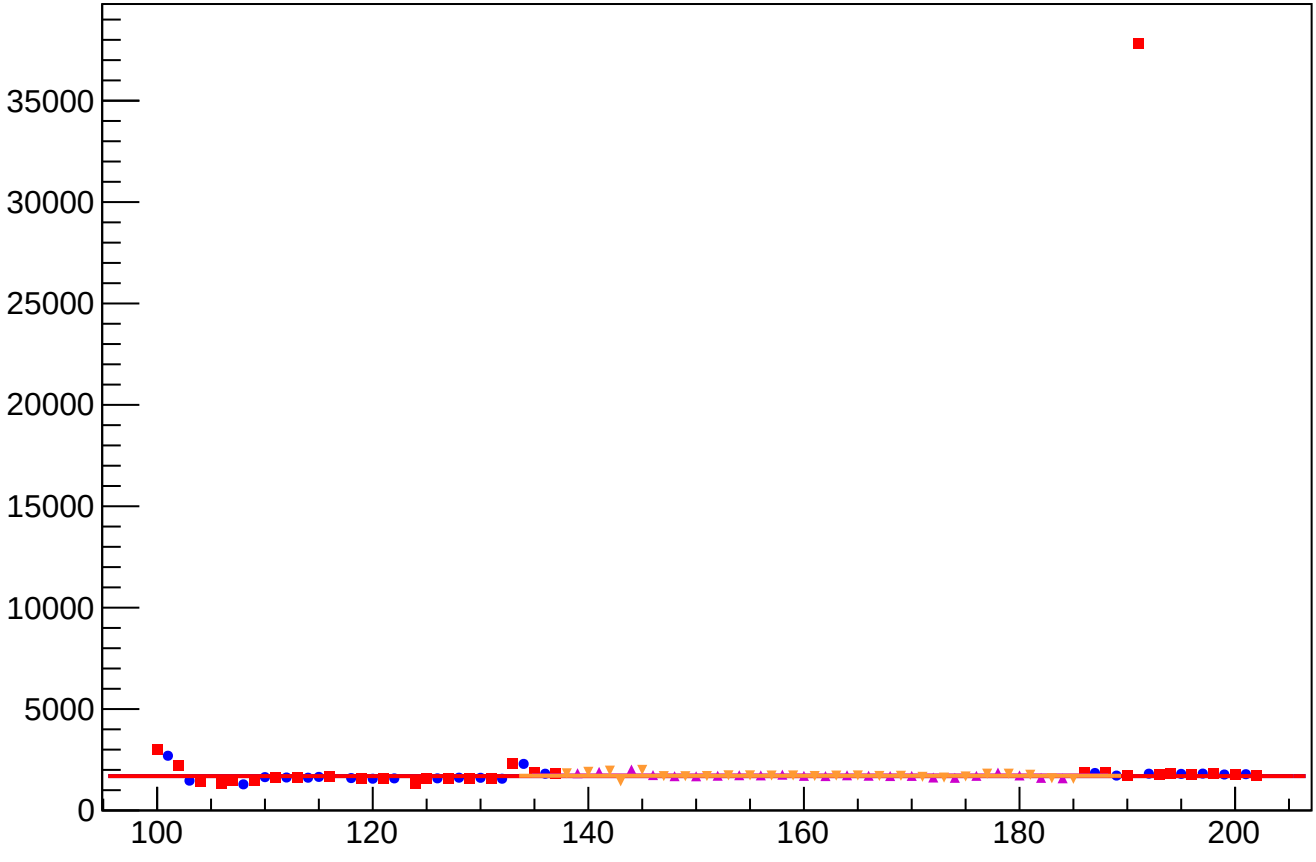
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 686.567+/-304.300 χ^2/NDF: 48.7/47

All: 372.145+/-214.267 χ^2/NDF: 96.3/99

- sign 62.961+/-301.755 χ^2/NDF: 45.5/51

dit_asym_at2_dd_rms vs Slug



Right In: 1695.696+/-0.344 χ^2/NDF: 411515.9/22

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1692.831+/-0.321 χ^2/NDF: 527814.4/28

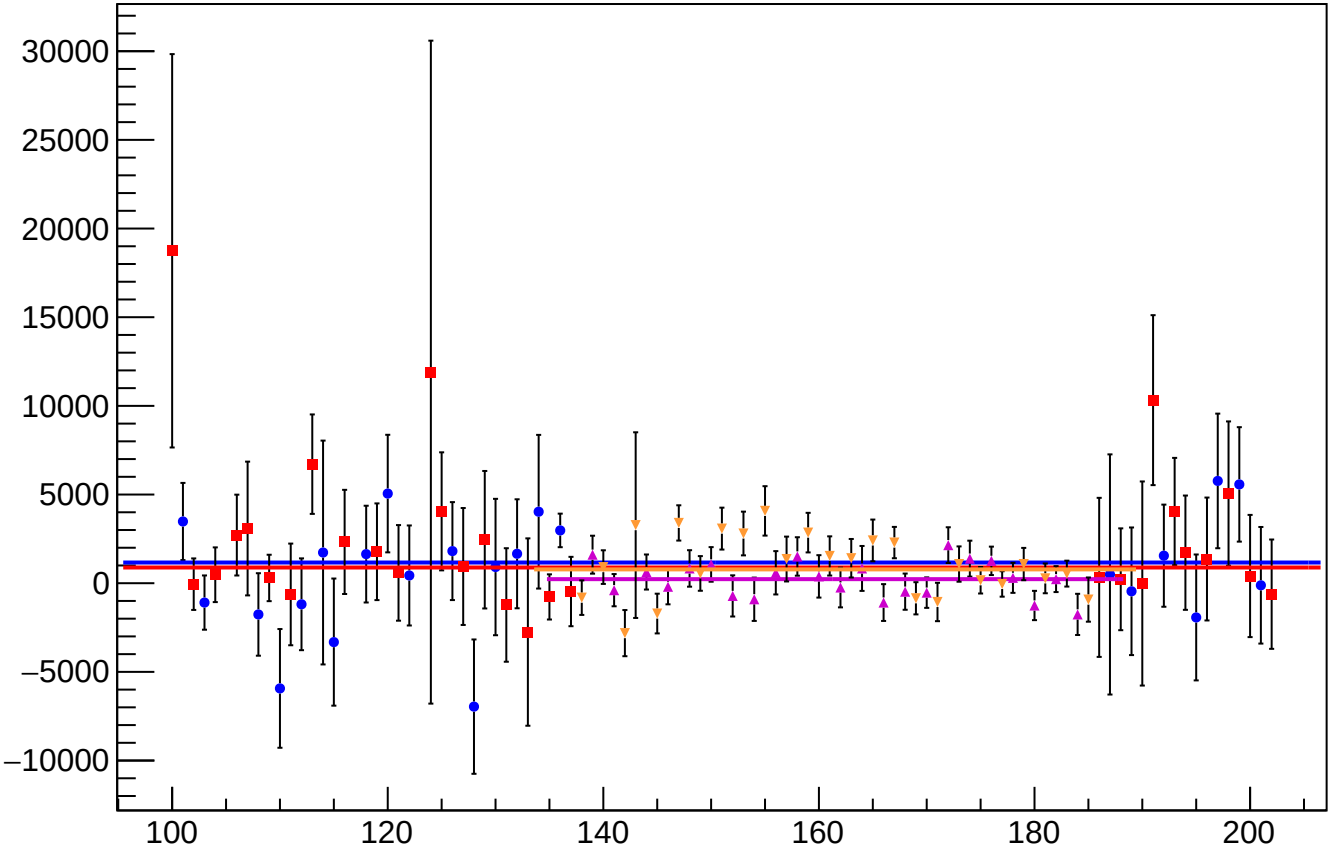
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1705.458+/-0.215 χ^2/NDF: 580840.8/47

All: 1708.955+/-0.152 χ^2/NDF: 1216073.8/99

- sign 1712.393+/-0.213 χ^2/NDF: 634709.2/51

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1166.567+/-525.765 χ^2/NDF: 26.5/22

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 885.378+/-474.967 χ^2/NDF: 20.2/28

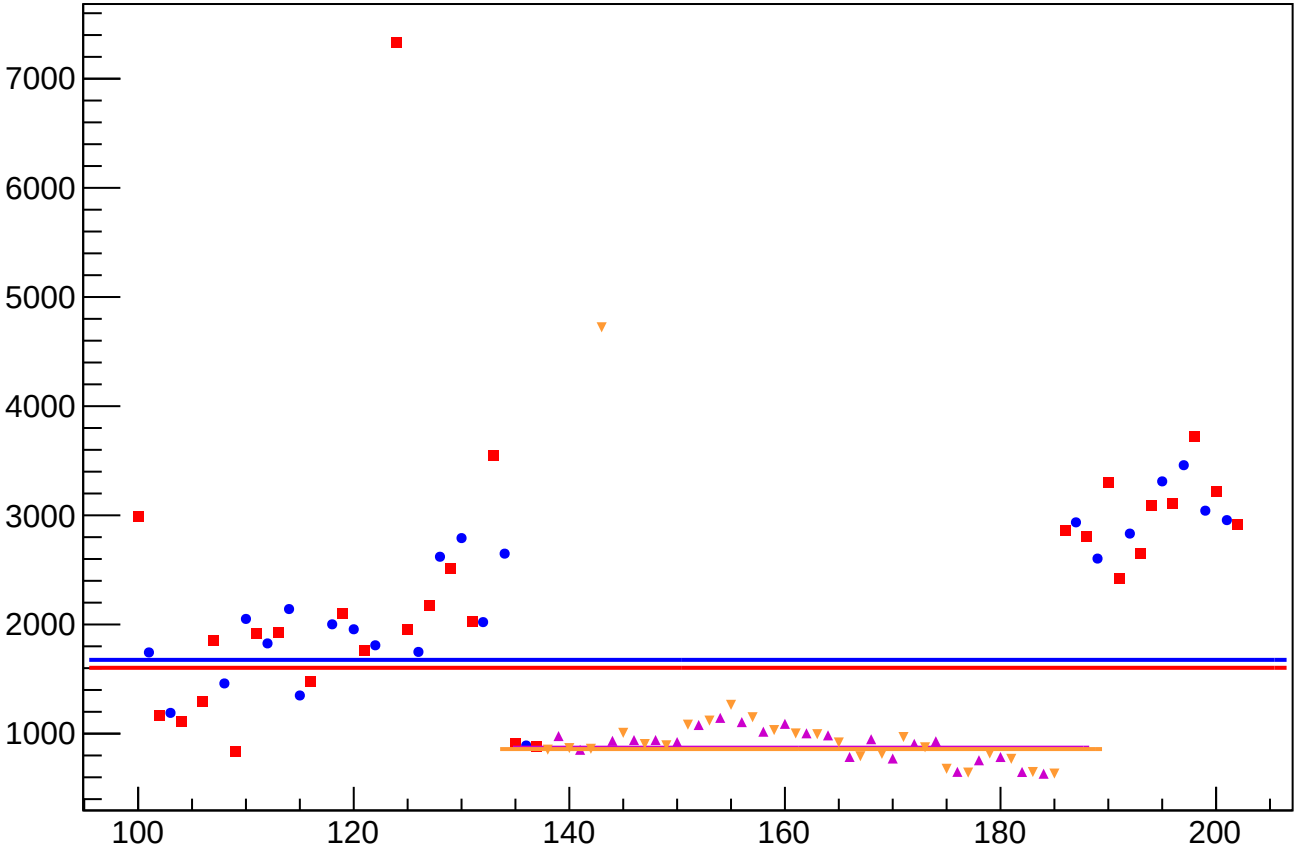
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 828.674+/-188.270 χ^2/NDF: 81.5/47

All: 582.701+/-133.571 χ^2/NDF: 129.4/99

- sign 333.417+/-189.533 χ^2/NDF: 44.4/51

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1675.895+/-0.372 χ^2/NDF: 4176255.7/22

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1603.150+/-0.336 χ^2/NDF: 5956935.1/28

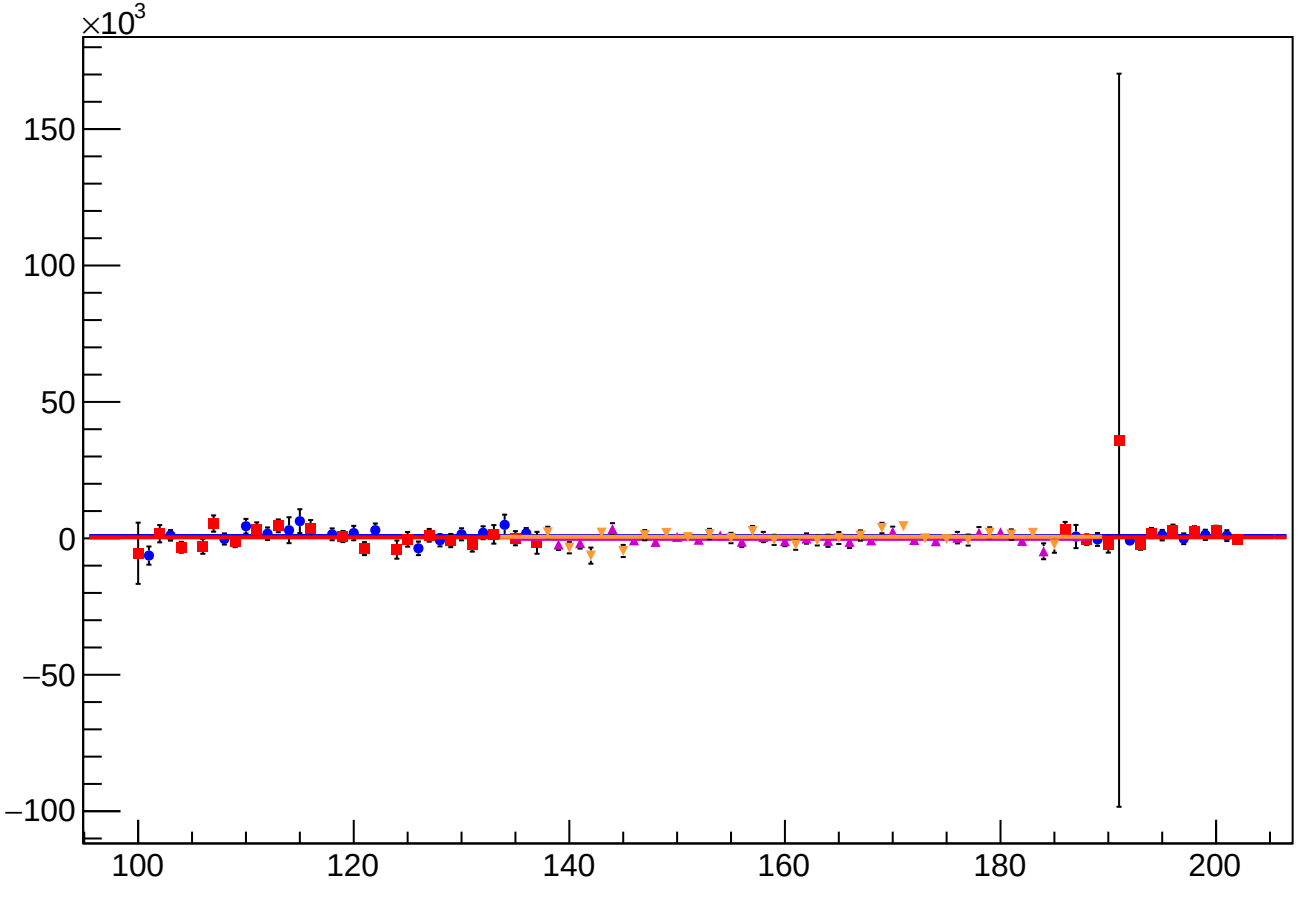
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 963.393+/-0.133 χ^2/NDF: 10669268.1/47

All: 975.628+/-0.094 χ^2/NDF: 21612384.0/99

- sign 988.028+/-0.134 χ^2/NDF: 10926108.5/51

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 852.450+/-486.972 χ^2/NDF: 16.6/22

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 376.577+/-453.691 χ^2/NDF: 30.2/28

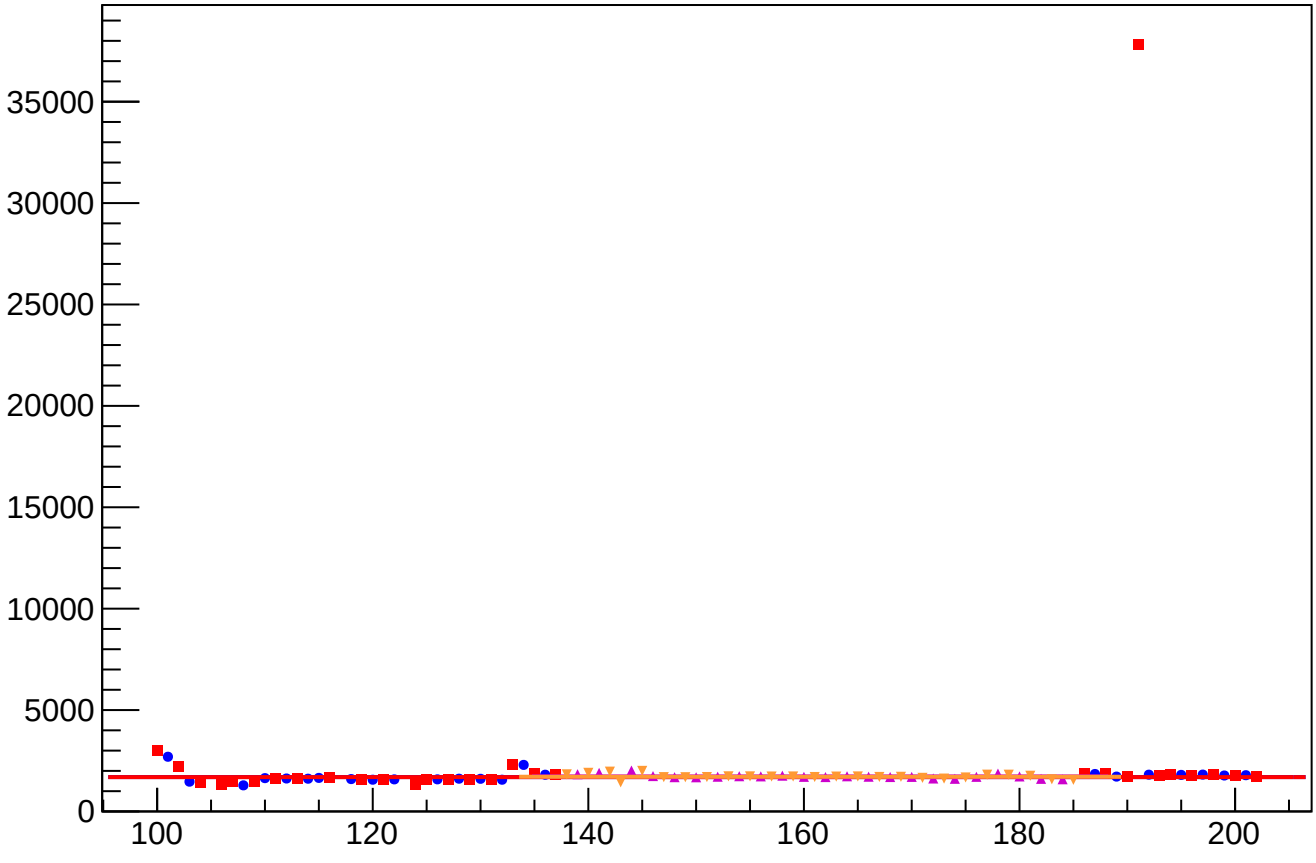
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 686.565+/-304.300 χ^2/NDF: 48.7/47

All: 372.144+/-214.267 χ^2/NDF: 96.3/99

- sign 62.960+/-301.755 χ^2/NDF: 45.5/51

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1695.696+/-0.344 χ^2/NDF: 411515.6/22

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1692.831+/-0.321 χ^2/NDF: 527814.6/28

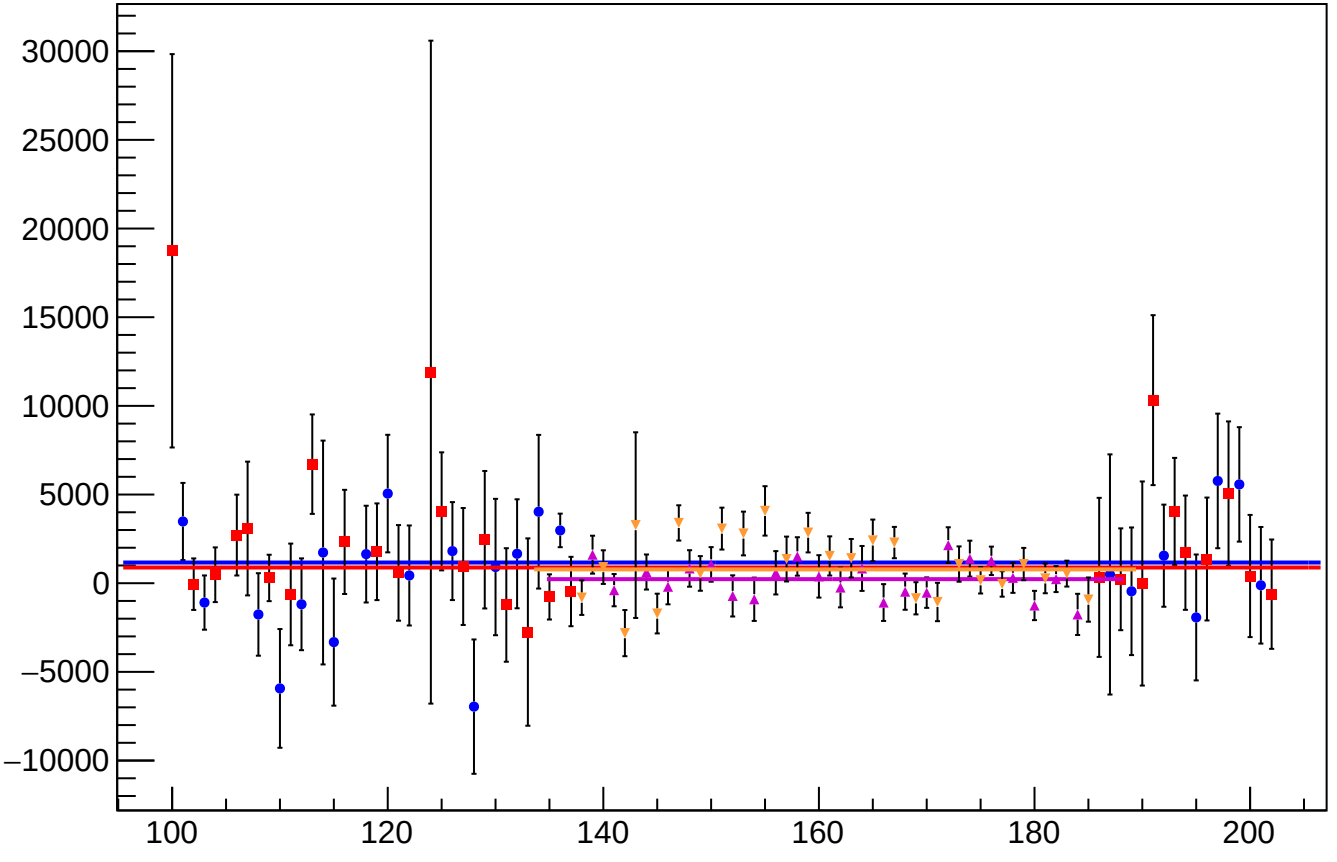
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1705.458+/-0.215 χ^2/NDF: 580839.3/47

All: 1708.955+/-0.152 χ^2/NDF: 1216072.4/99

- sign 1712.393+/-0.213 χ^2/NDF: 634709.3/51

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1166.560+/-525.768 χ^2/NDF: 26.5/22

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 885.392+/-474.969 χ^2/NDF: 20.2/28

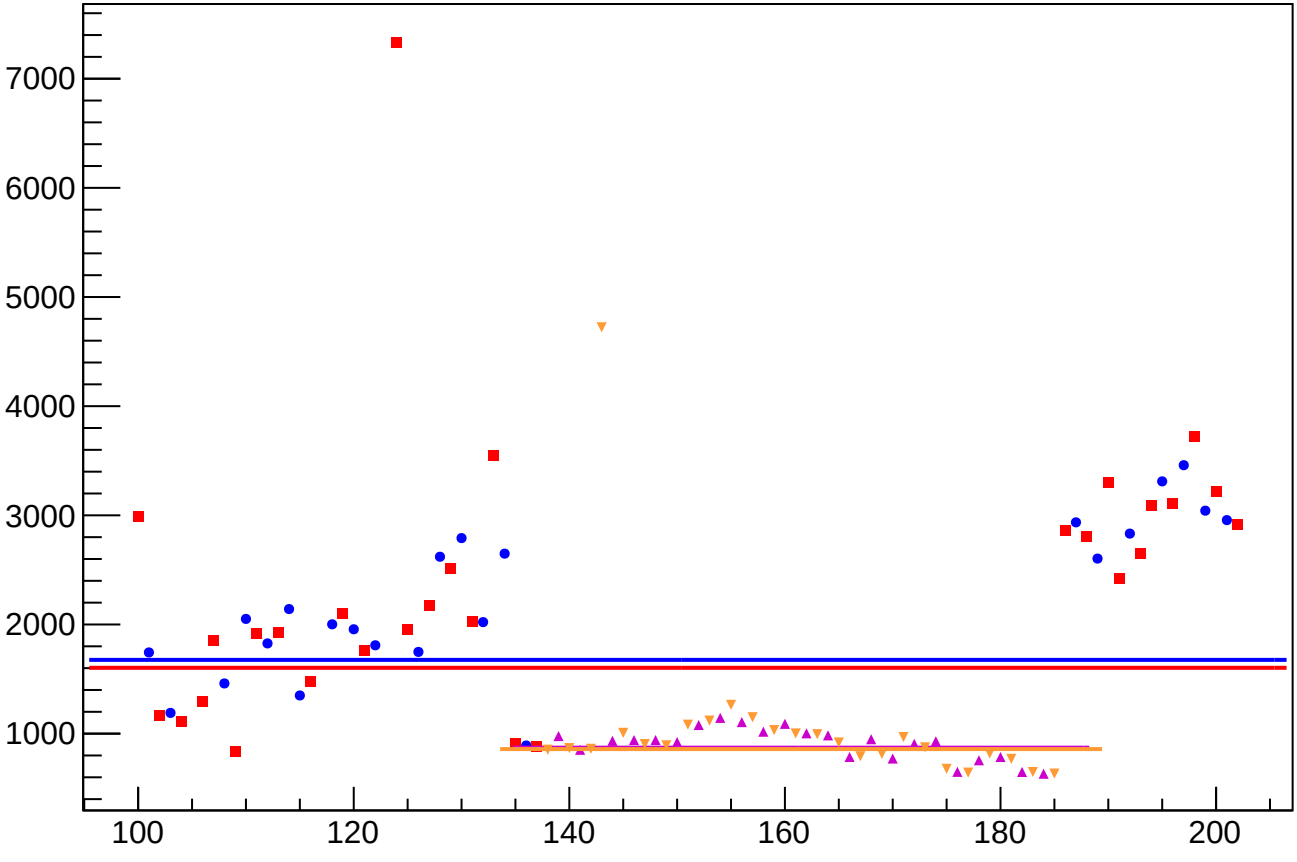
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 828.675+/-188.270 χ^2/NDF: 81.5/47

All: 582.701+/-133.571 χ^2/NDF: 129.4/99

- sign 333.416+/-189.533 χ^2/NDF: 44.4/51

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1675.911+/-0.372 χ^2/NDF: 4176117.6/22

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1603.164+/-0.336 χ^2/NDF: 5956804.5/28

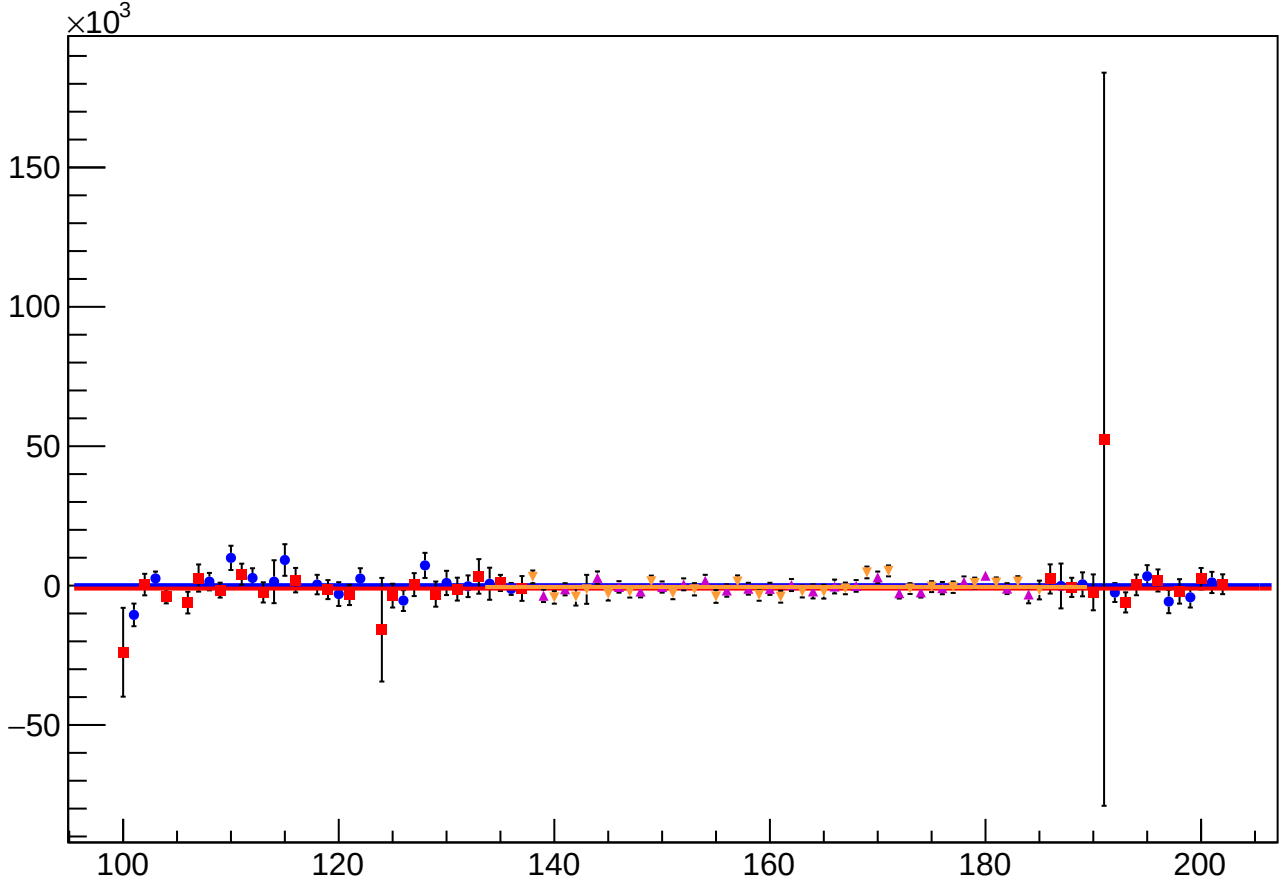
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 963.394+/-0.133 χ^2/NDF: 10669238.8/47

All: 975.628+/-0.094 χ^2/NDF: 21612355.6/99

- sign 988.028+/-0.134 χ^2/NDF: 10926111.0/51

asym_at2_dd_mean vs Slug



Right In: 155.771+/-783.423 χ^2/NDF: 27.0/22

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1070.349+/-741.736 χ^2/NDF: 15.2/28

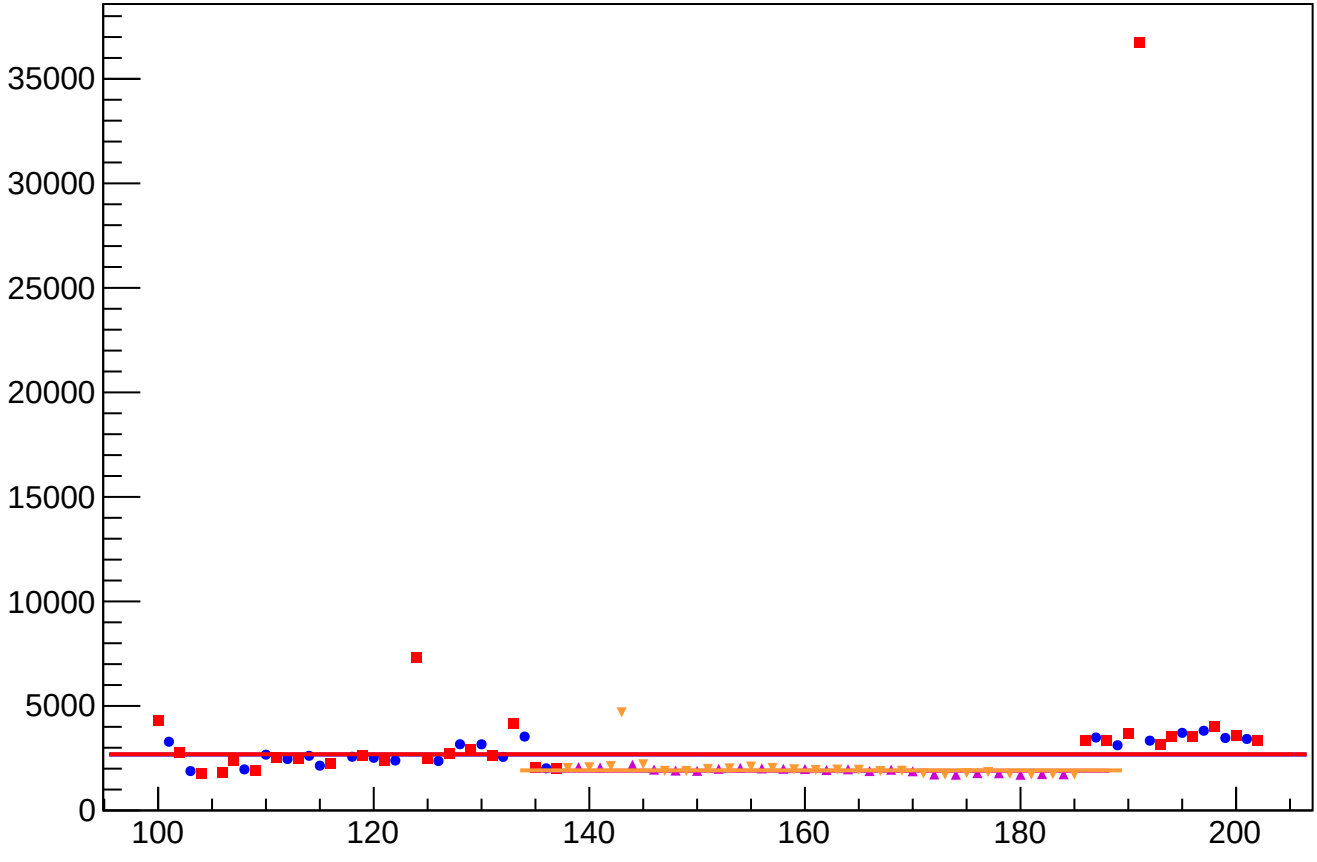
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -343.947+/-383.579 χ^2/NDF: 63.5/47

All: -465.436+/-270.431 χ^2/NDF: 98.3/99

- sign -585.501+/-381.324 χ^2/NDF: 34.7/51

asym_at2_dd_rms vs Slug



Right In: 2674.345+/-0.554 χ^2/NDF: 1269626.7/22

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2689.770+/-0.524 χ^2/NDF: 1915675.8/28

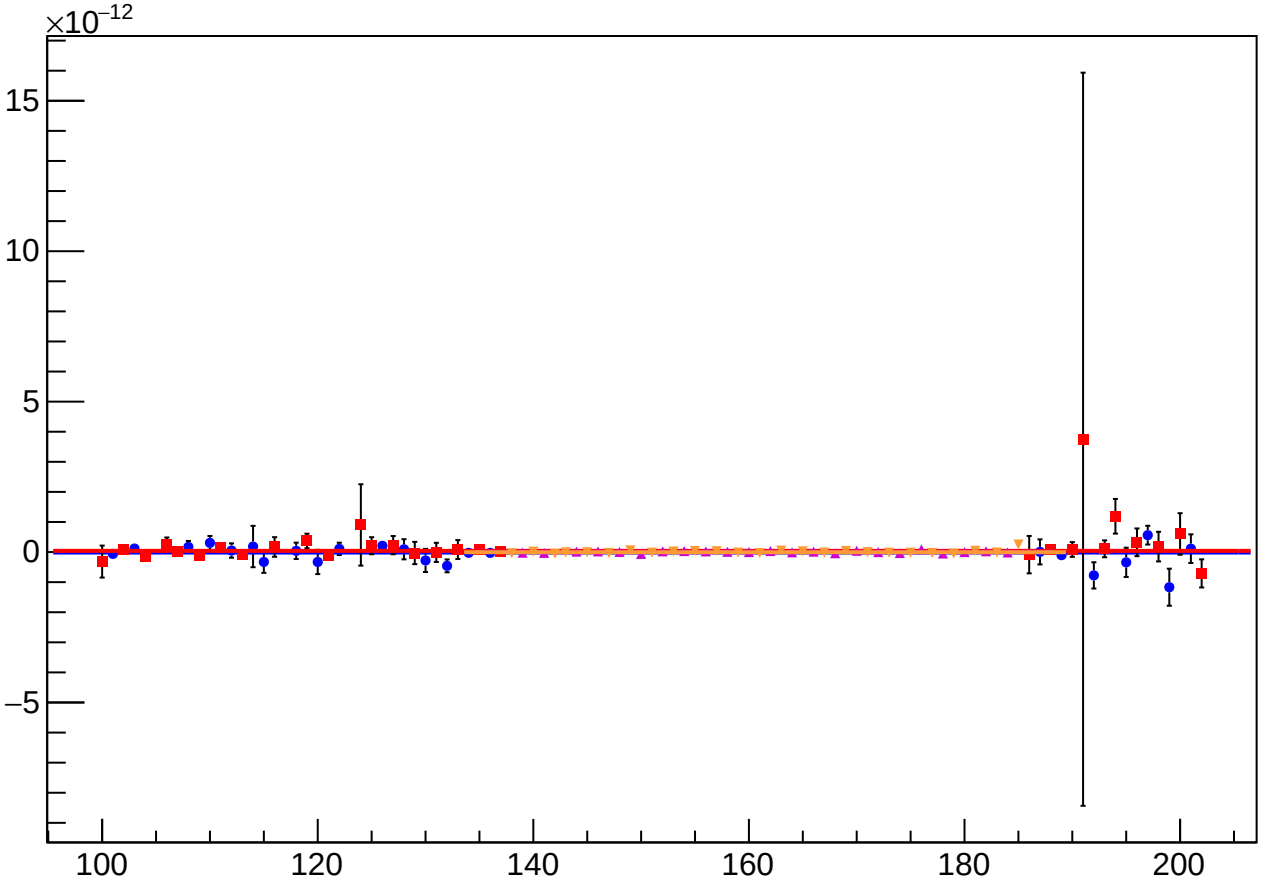
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2098.676+/-0.271 χ^2/NDF: 3446423.0/47

All: 2103.456+/-0.191 χ^2/NDF: 7207450.8/99

- sign 2108.180+/-0.270 χ^2/NDF: 3760410.2/51

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

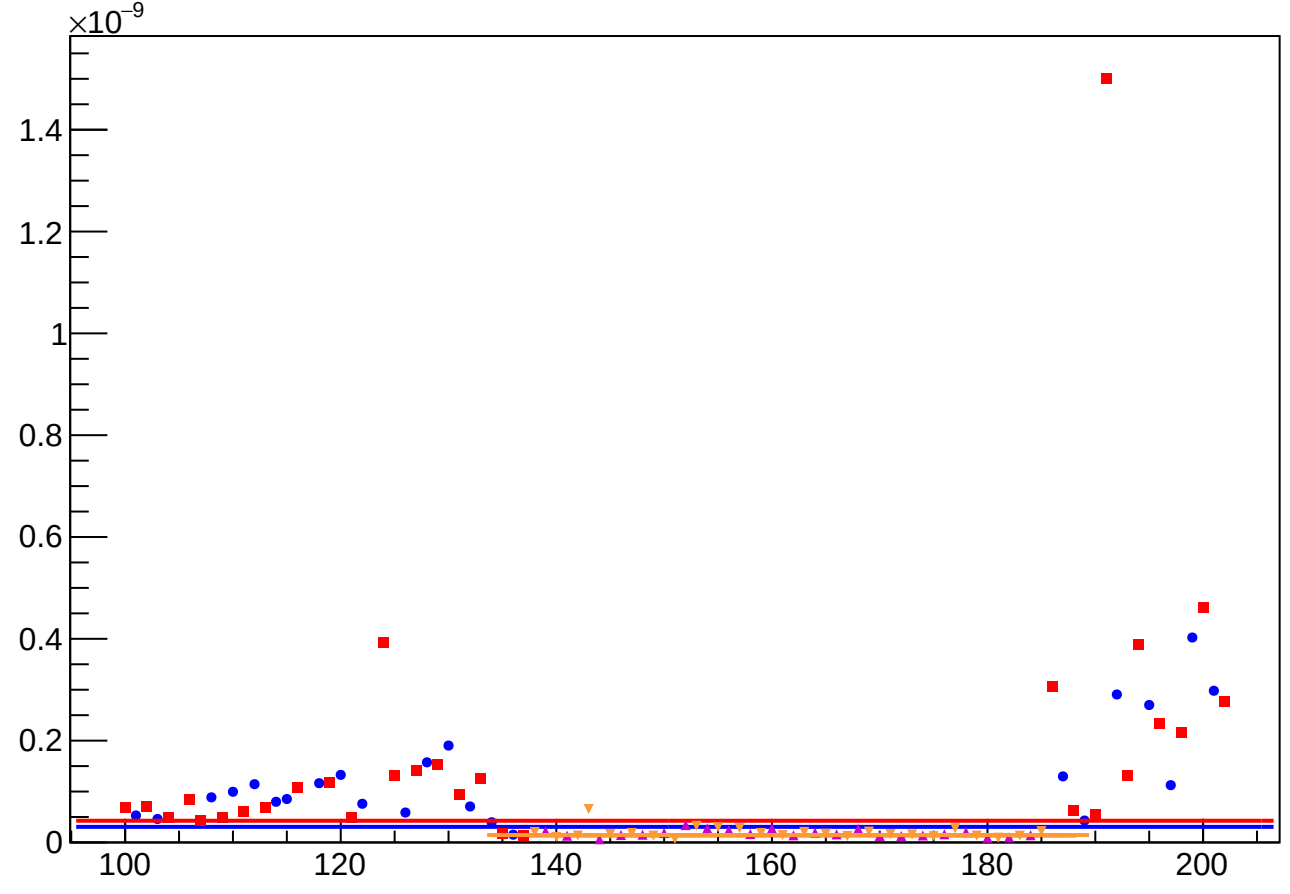
Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/28

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/47

All: 0.000+/-0.000 χ^2/NDF: 107.8/99

- sign 0.000+/-0.000 χ^2/NDF: 49.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 5590520.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5737757.7/28

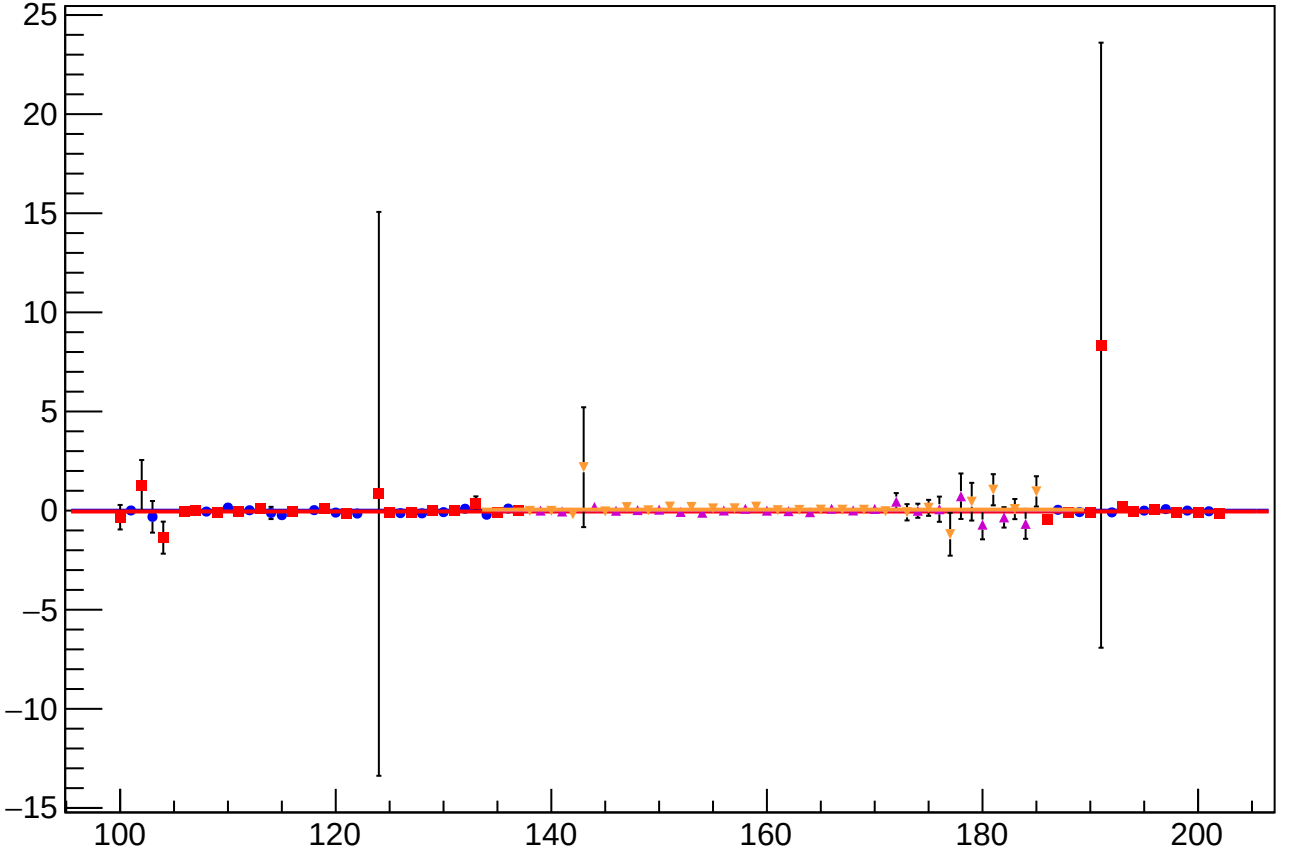
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8477552.7/47

All: 0.000+/-0.000 χ^2/NDF: 18353139.7/99

- sign 0.000+/-0.000 χ^2/NDF: 9870411.8/51

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.023 χ^2/NDF: 14.8/22

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.045+/-0.021 χ^2/NDF: 23.8/28

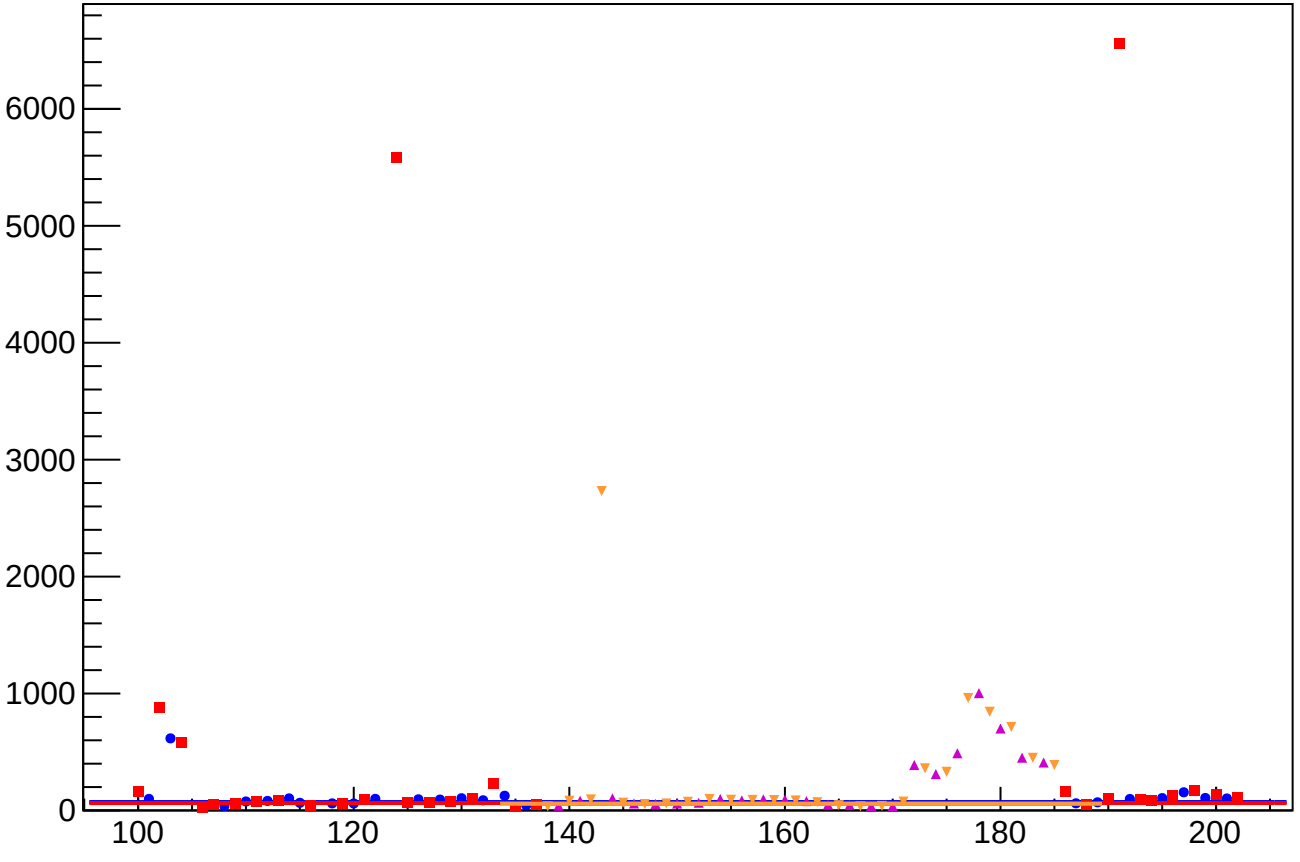
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.031+/-0.014 χ^2/NDF: 42.9/47

All: 0.011+/-0.010 χ^2/NDF: 92.0/99

- sign -0.007+/-0.013 χ^2/NDF: 45.0/51

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 71.897+/-0.017 χ^2/NDF: 3677760.6/22

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 63.065+/-0.015 χ^2/NDF: 7100165.0/28

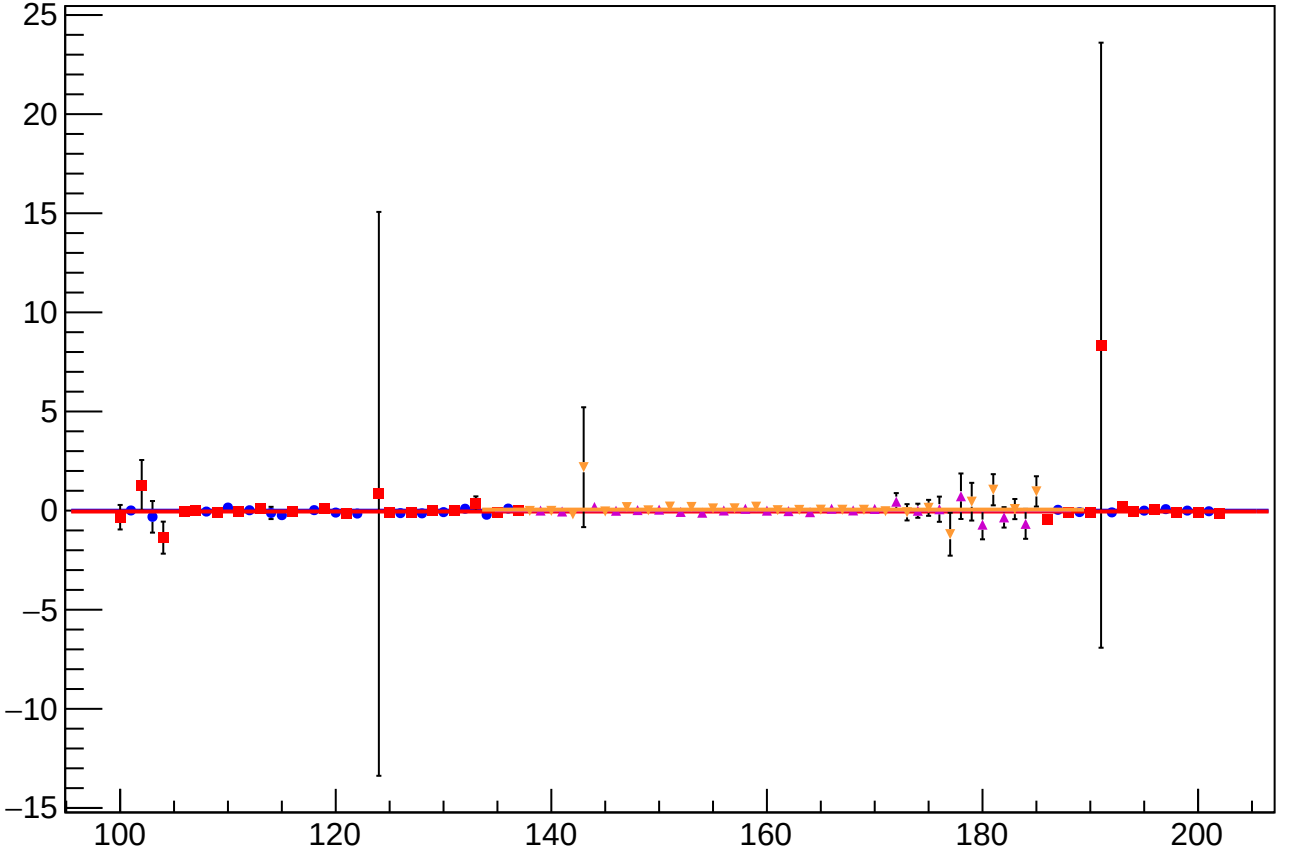
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 62.345+/-0.010 χ^2/NDF: 16513286.2/47

All: 61.340+/-0.007 χ^2/NDF: 33937859.0/99

- sign 60.423+/-0.009 χ^2/NDF: 17404164.7/51

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.023 χ^2/NDF: 14.8/22

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.045+/-0.021 χ^2/NDF: 23.8/28

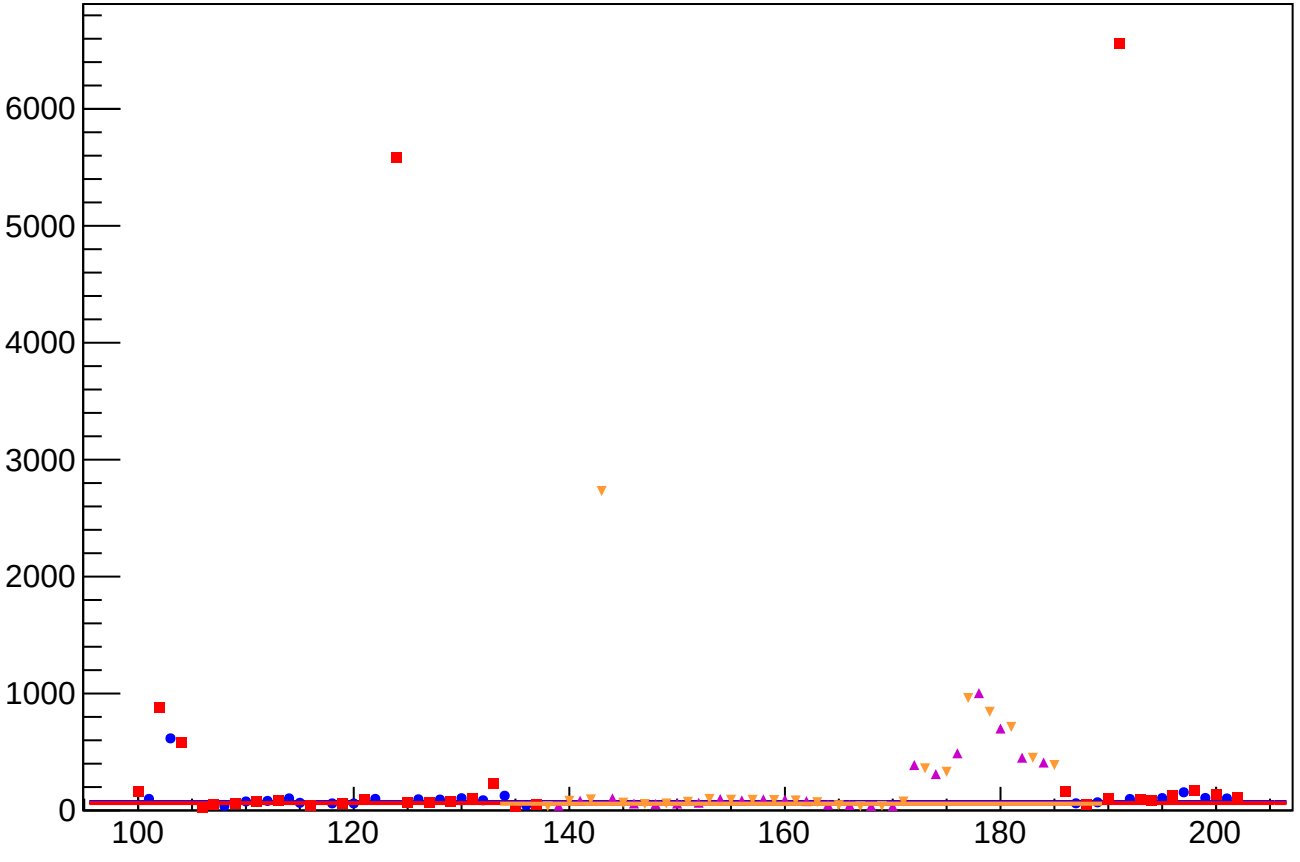
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.031+/-0.014 χ^2/NDF: 42.9/47

All: 0.011+/-0.010 χ^2/NDF: 92.0/99

- sign -0.007+/-0.013 χ^2/NDF: 45.0/51

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.897+/-0.017 χ^2/NDF: 3677760.6/22

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

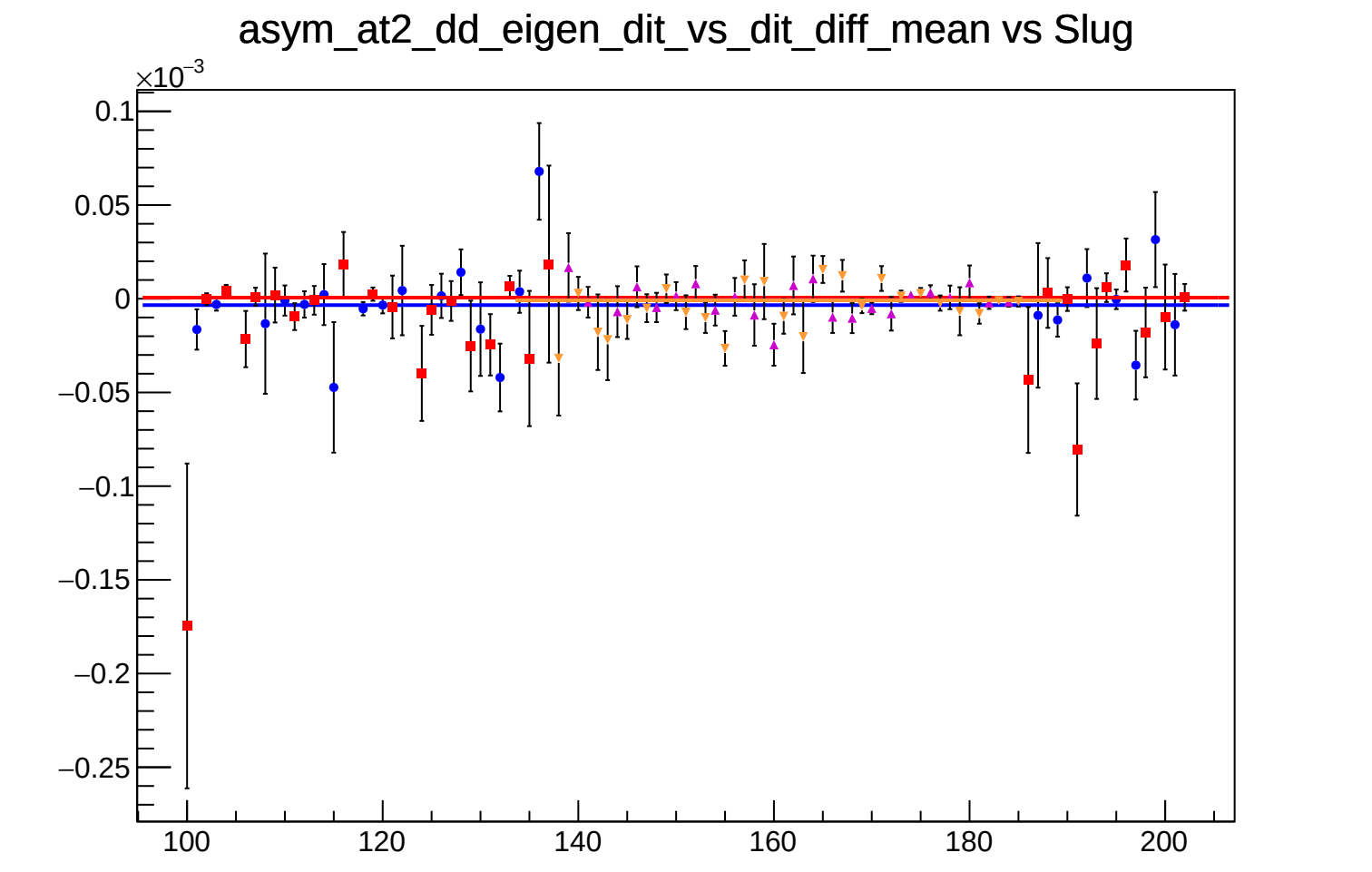
Right Out: 63.065+/-0.015 χ^2/NDF: 7100165.0/28

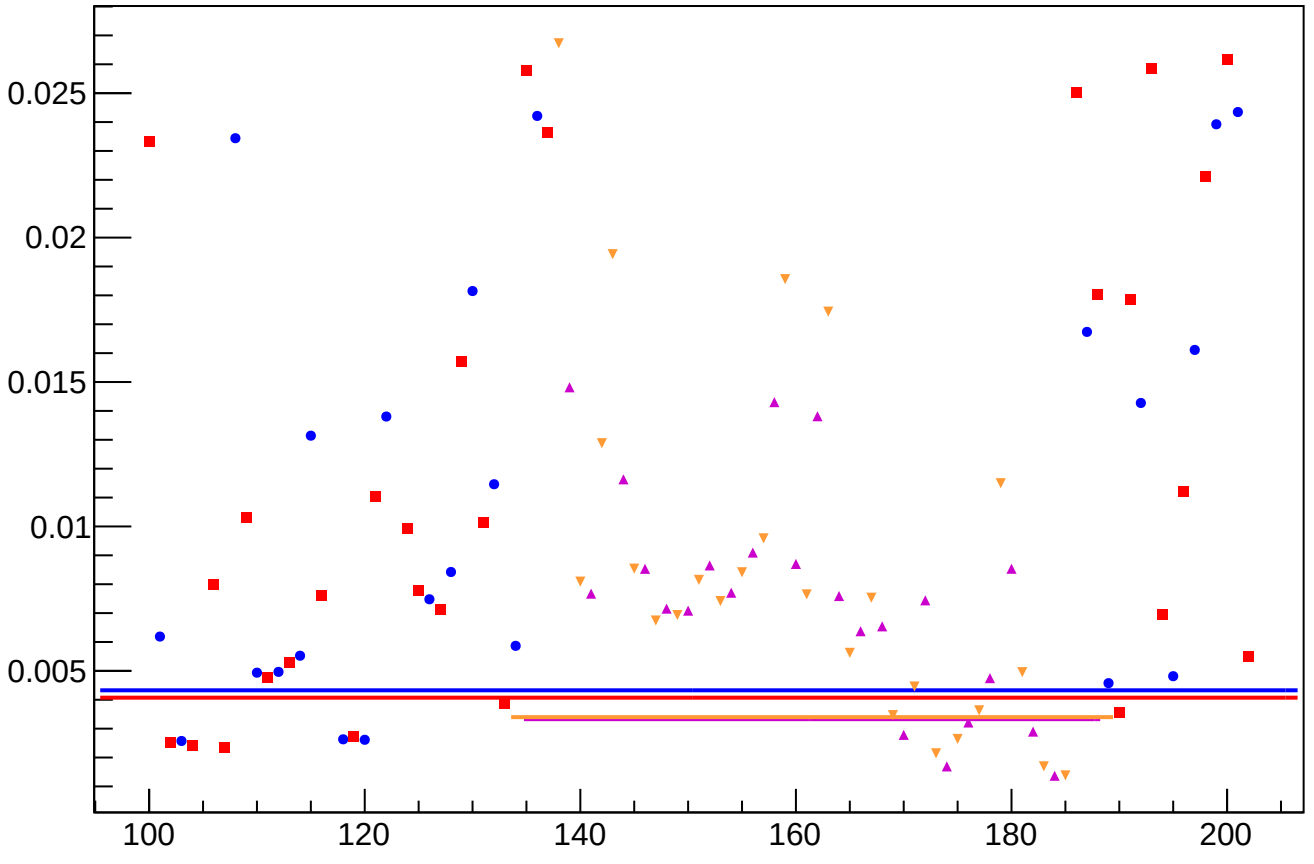
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 62.345+/-0.010 χ^2/NDF: 16513286.2/47

All: 61.340+/-0.007 χ^2/NDF: 33937859.0/99

- sign 60.423+/-0.009 χ^2/NDF: 17404164.7/51


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
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.0/22
Left Out: -0.000+/-0.000 χ²/NDF:32.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.2/28
Left In: -0.000+/-0.000 χ²/NDF:18.8/22
+ sign -0.000+/-0.000 χ²/NDF: 60.6/47
All: -0.000+/-0.000 χ²/NDF: 110.2/99
- sign -0.000+/-0.000 χ²/NDF: 48.5/51



Right In: 0.004+/-0.000 χ^2/NDF: 9065550.7/22

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 11155921.0/28

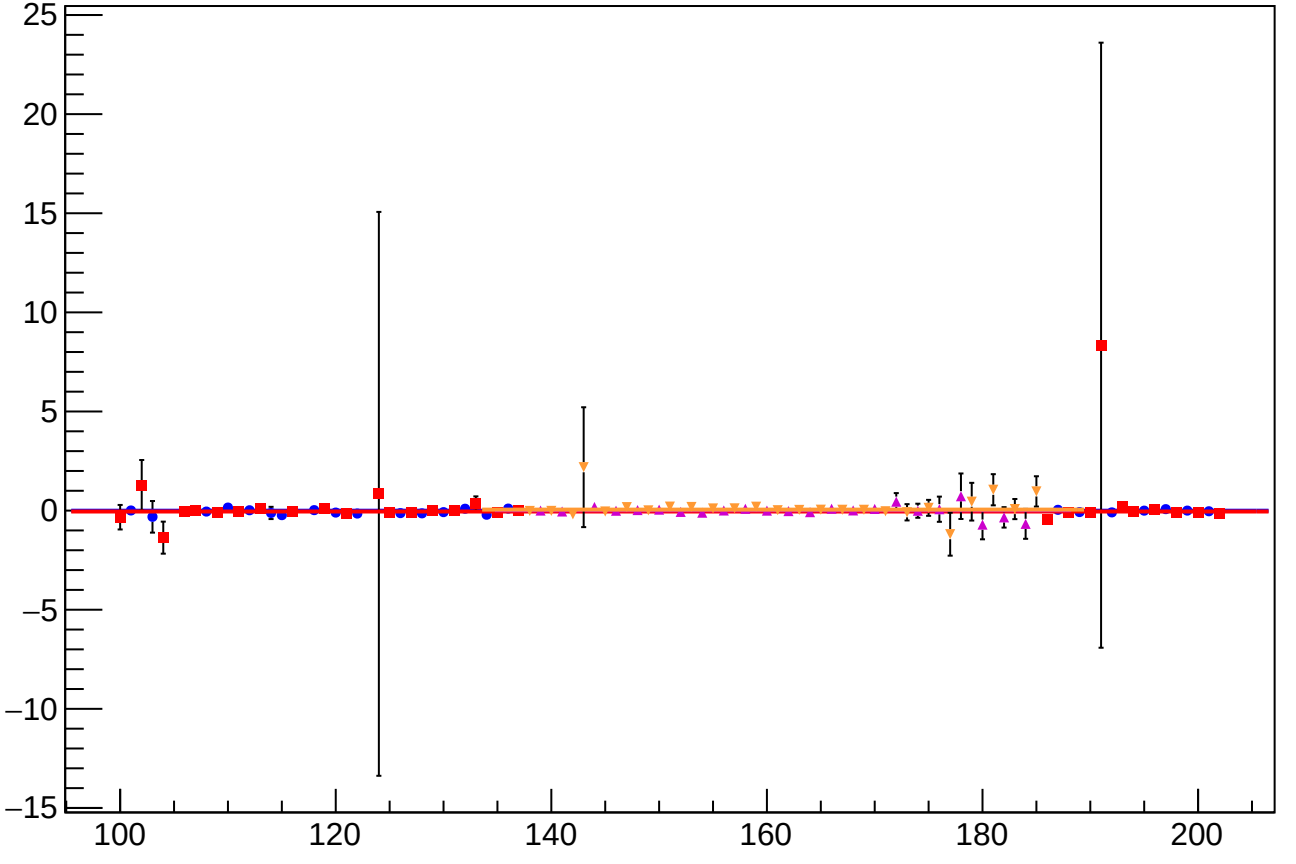
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 23766093.4/47

All: 0.004+/-0.000 χ^2/NDF: 47850037.5/99

- sign 0.004+/-0.000 χ^2/NDF: 24078428.7/51

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.023 χ^2/NDF: 14.8/22

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.045+/-0.021 χ^2/NDF: 23.8/28

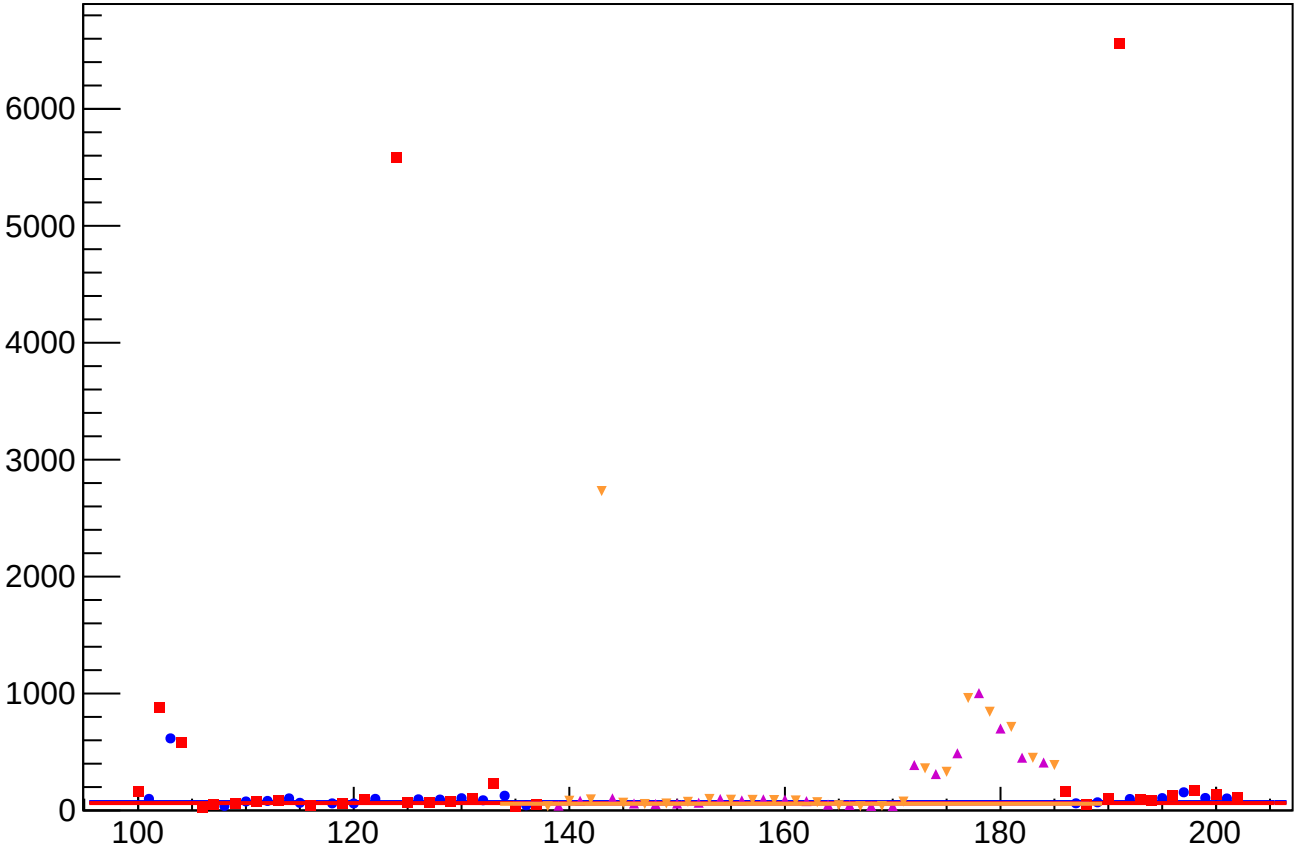
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.031+/-0.014 χ^2/NDF: 42.9/47

All: 0.011+/-0.010 χ^2/NDF: 92.0/99

- sign -0.007+/-0.013 χ^2/NDF: 45.0/51

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 71.904+/-0.017 χ^2/NDF: 3676415.9/22

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

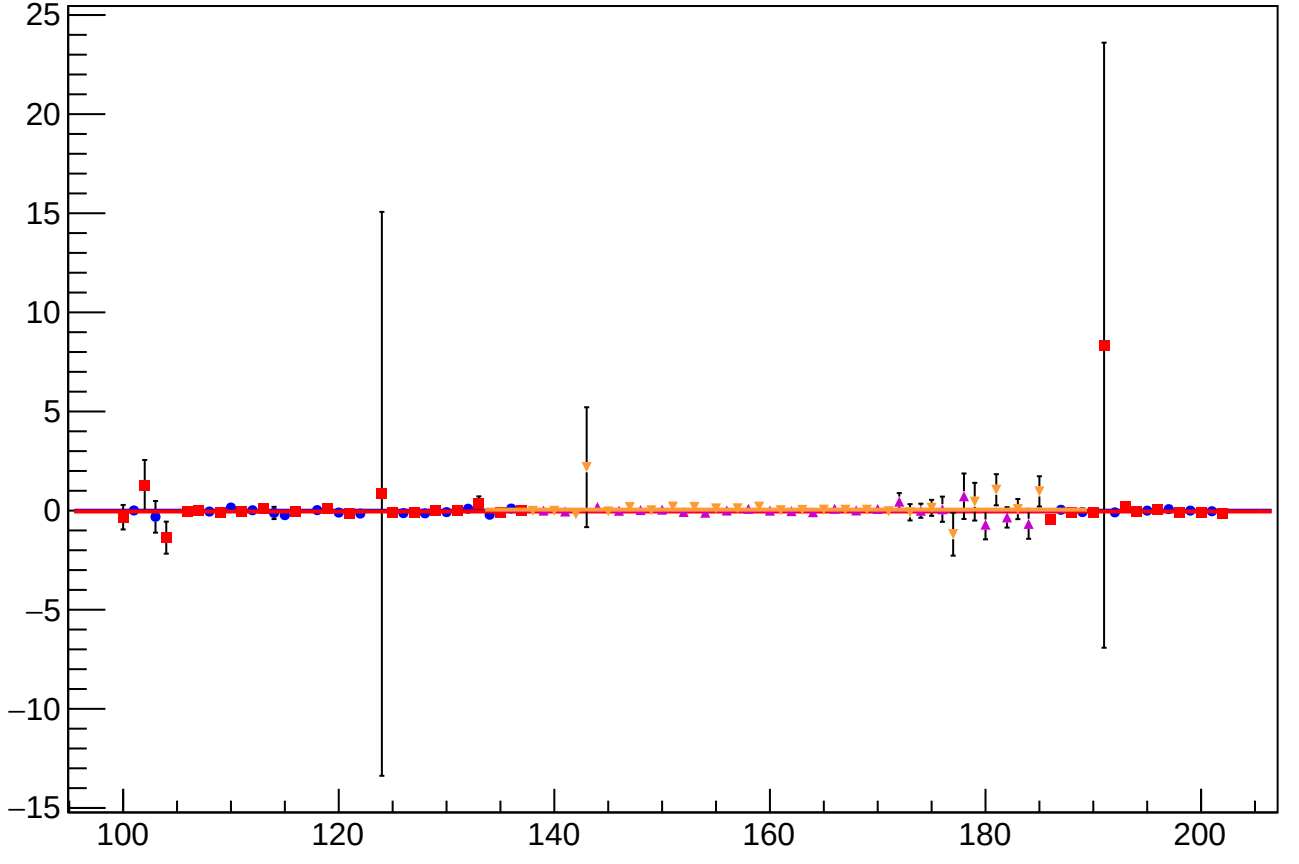
Right Out: 63.060+/-0.015 χ^2/NDF: 7101221.9/28

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 62.346+/-0.010 χ^2/NDF: 16512251.3/47

All: 61.341+/-0.007 χ^2/NDF: 33937229.7/99

- sign 60.422+/-0.009 χ^2/NDF: 17404531.4/51



Right In: -0.005+/-0.023 χ^2/NDF: 14.8/22

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.045+/-0.021 χ^2/NDF: 23.8/28

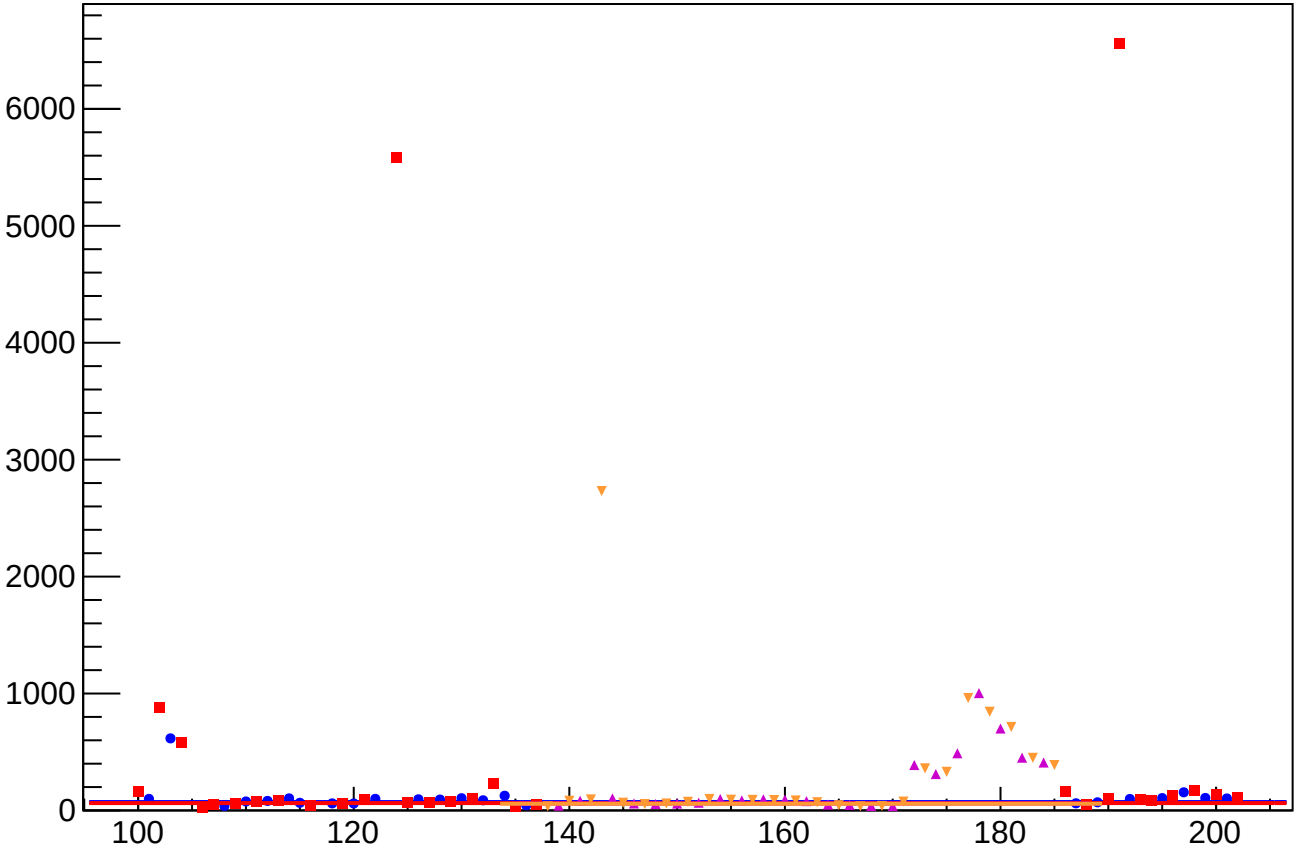
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.031+/-0.014 χ^2/NDF: 42.9/47

All: 0.011+/-0.010 χ^2/NDF: 92.0/99

- sign -0.007+/-0.013 χ^2/NDF: 45.0/51

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.904+/-0.017 χ^2/NDF: 3676415.9/22

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 63.060+/-0.015 χ^2/NDF: 7101221.9/28

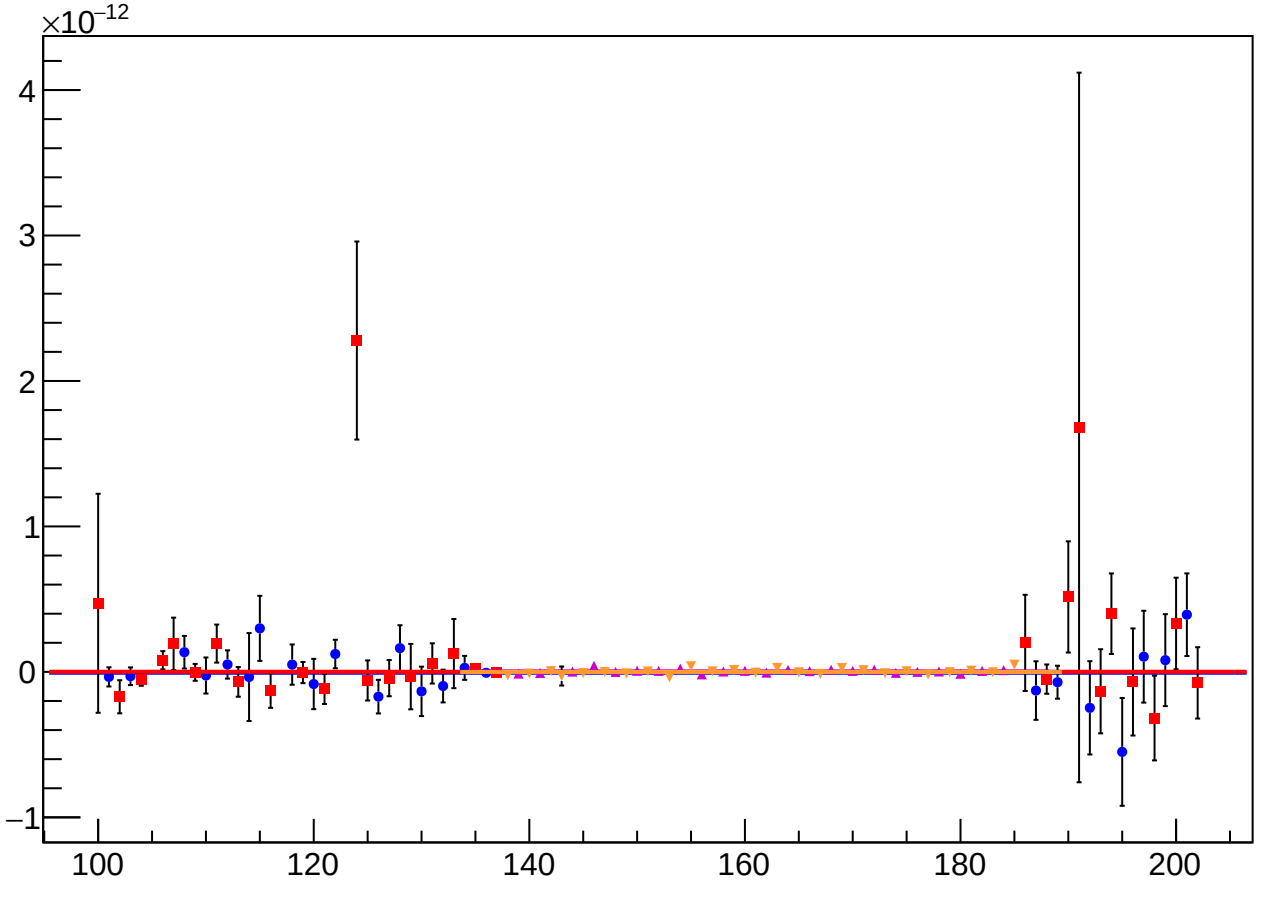
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 62.346+/-0.010 χ^2/NDF: 16512251.3/47

All: 61.341+/-0.007 χ^2/NDF: 33937229.7/99

- sign 60.422+/-0.009 χ^2/NDF: 17404531.4/51

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

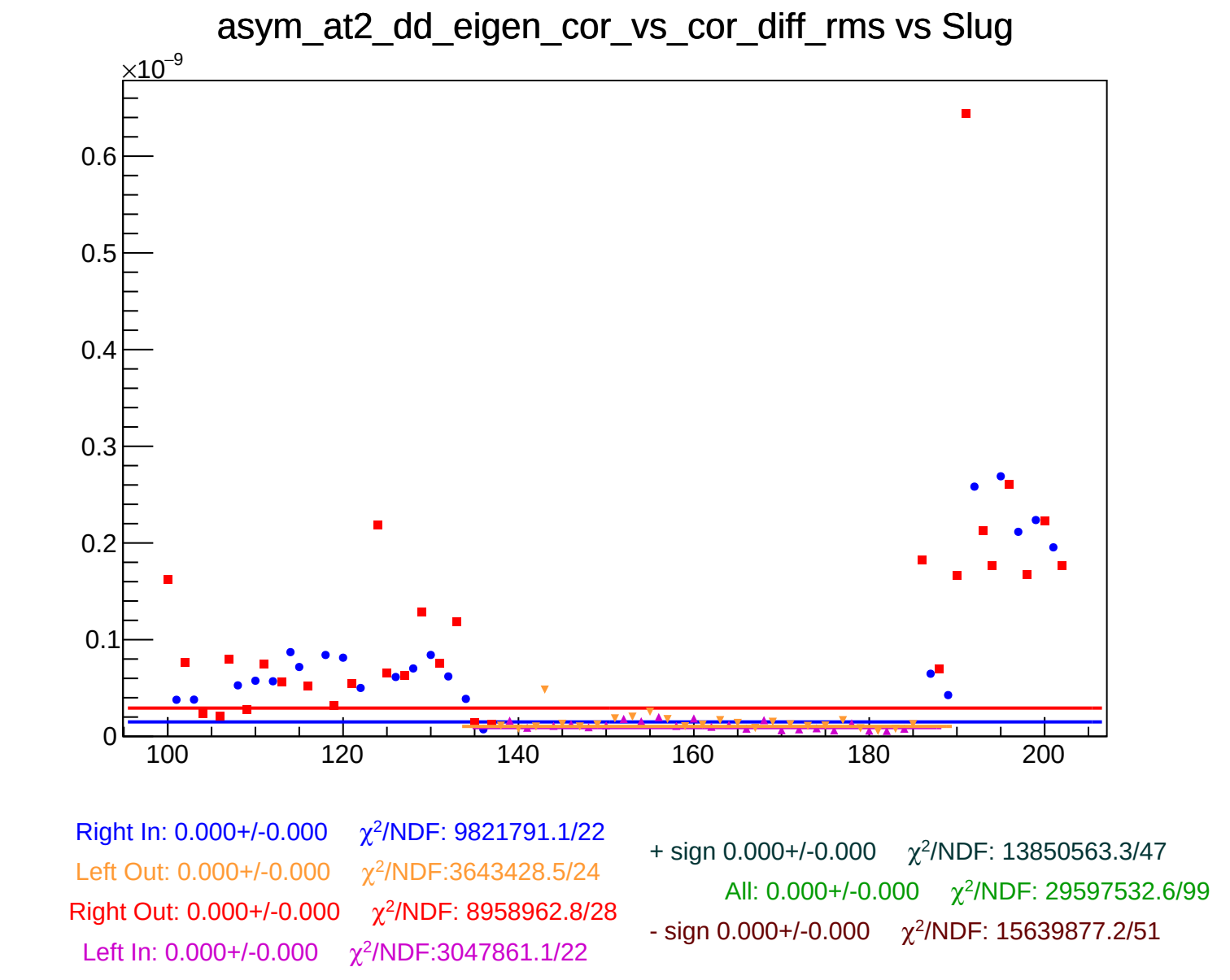
Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/28

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

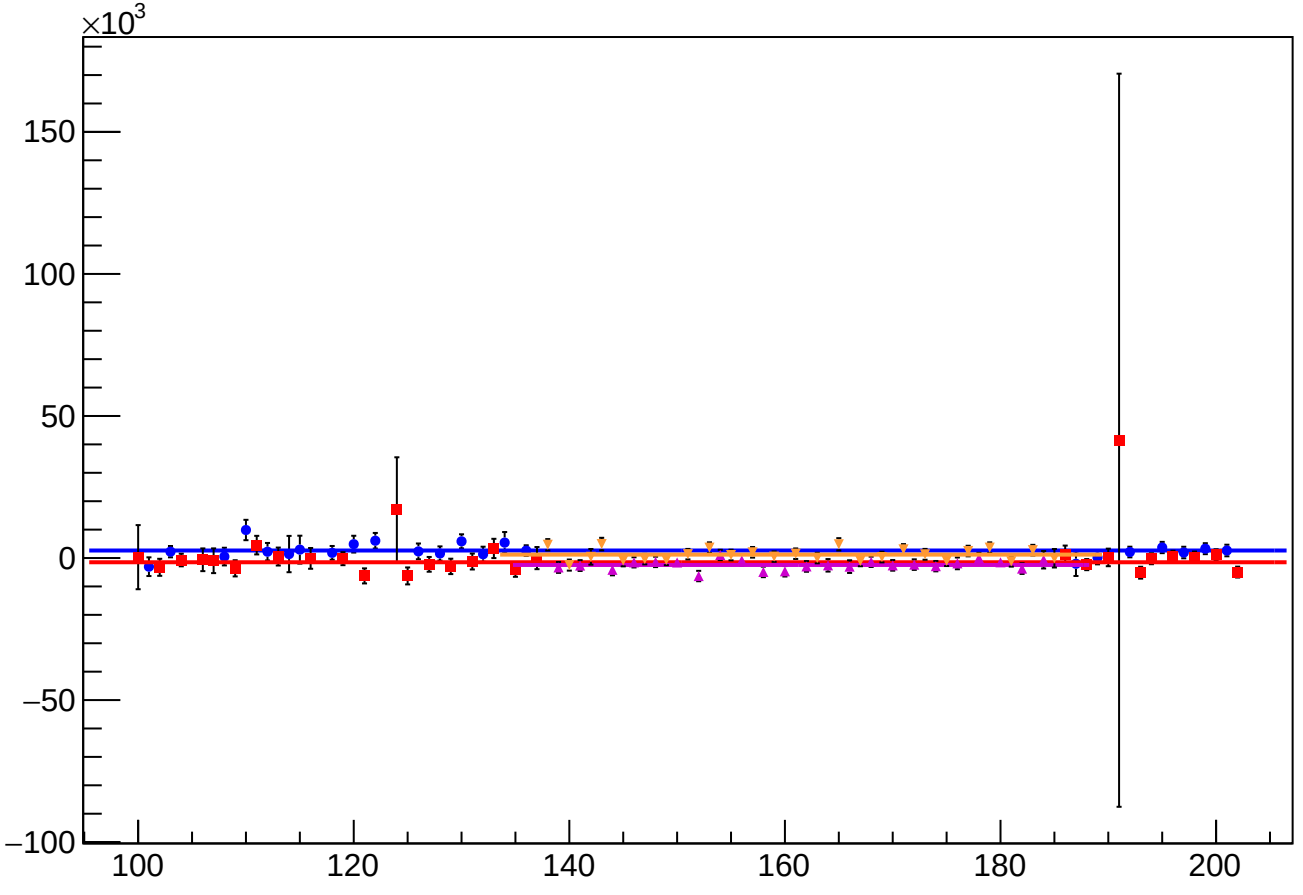
+ sign -0.000+/-0.000 χ^2/NDF: 35.5/47

All: 0.000+/-0.000 χ^2/NDF: 84.5/99

- sign 0.000+/-0.000 χ^2/NDF: 48.1/51


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9821791.1/22
Left Out: 0.000+/-0.000 χ²/NDF:3643428.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 8958962.8/28
Left In: 0.000+/-0.000 χ²/NDF:3047861.1/22
+ sign 0.000+/-0.000 χ²/NDF: 13850563.3/47
All: 0.000+/-0.000 χ²/NDF: 29597532.6/99
- sign 0.000+/-0.000 χ²/NDF: 15639877.2/51

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2648.063+/-528.448 χ^2/NDF: 15.4/22

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1488.892+/-500.220 χ^2/NDF: 27.6/28

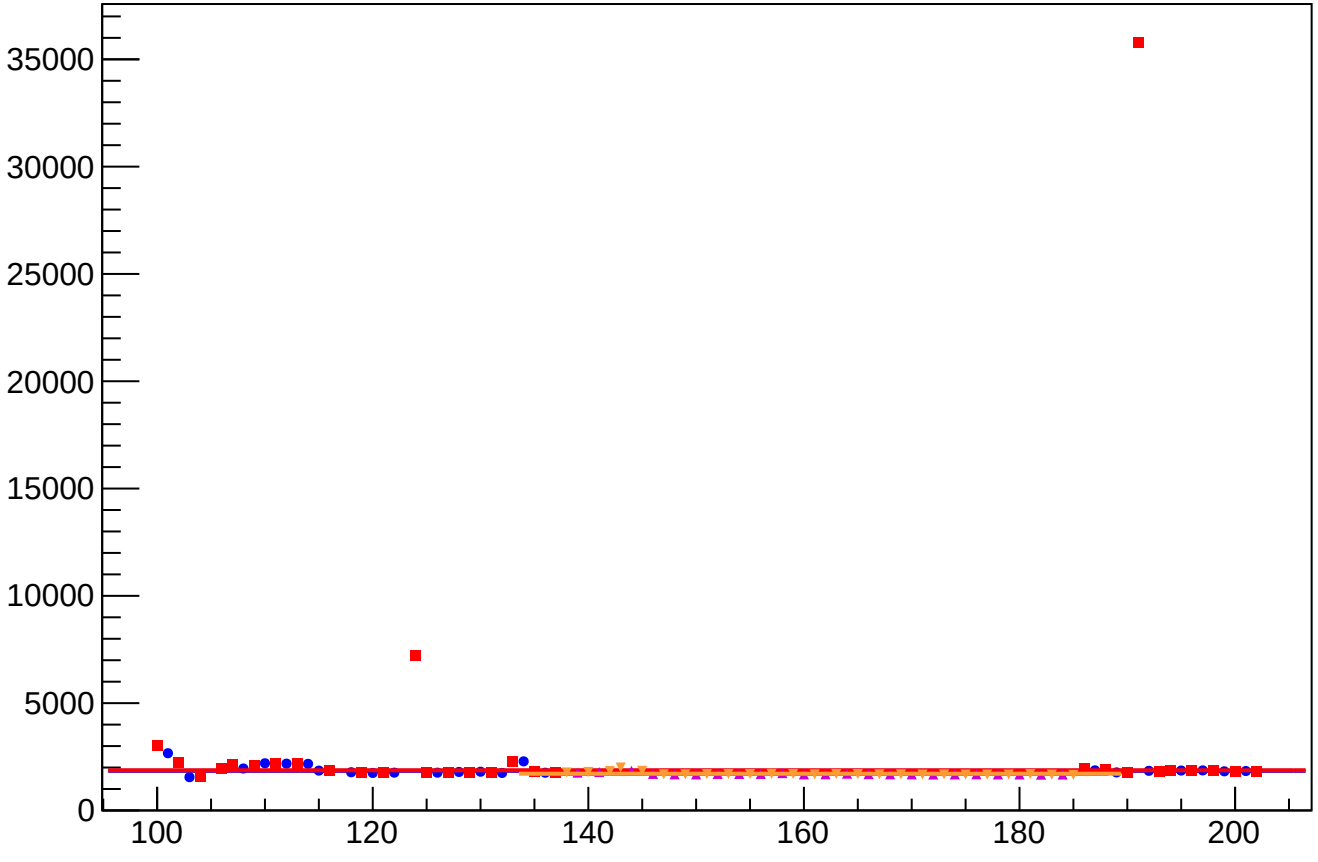
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1710.692+/-313.346 χ^2/NDF: 46.5/47

All: -191.613+/-220.889 χ^2/NDF: 167.1/99

- sign -2070.729+/-311.431 χ^2/NDF: 47.3/51

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1847.904+/-0.374 χ^2/NDF: 266041.0/22

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1871.740+/-0.353 χ^2/NDF: 519770.9/28

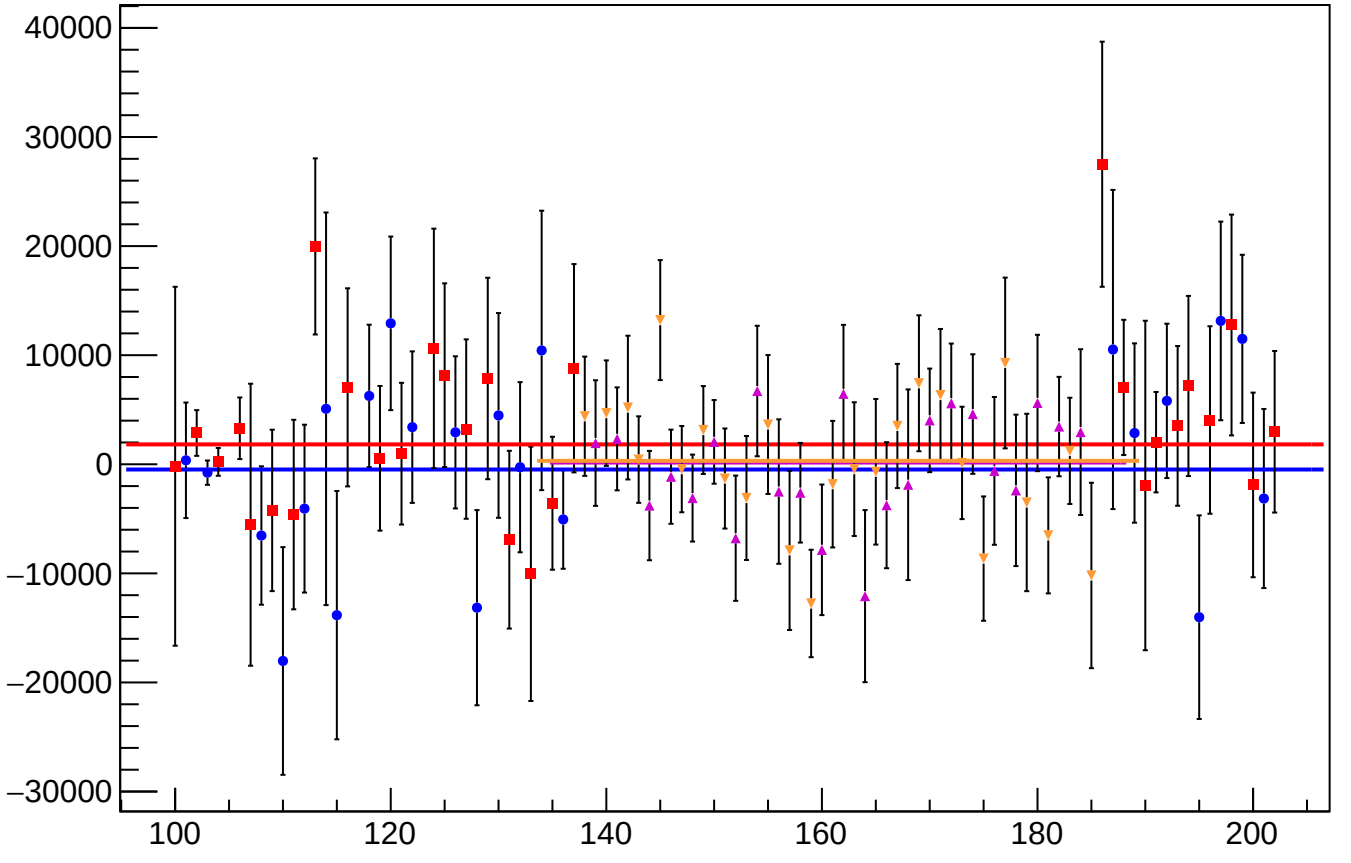
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1759.638+/-0.222 χ^2/NDF: 412161.5/47

All: 1764.397+/-0.156 χ^2/NDF: 1093388.3/99

- sign 1769.093+/-0.220 χ^2/NDF: 680310.5/51

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -479.362+/-923.250 χ^2/NDF: 22.4/22

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1822.173+/-855.492 χ^2/NDF: 22.2/28

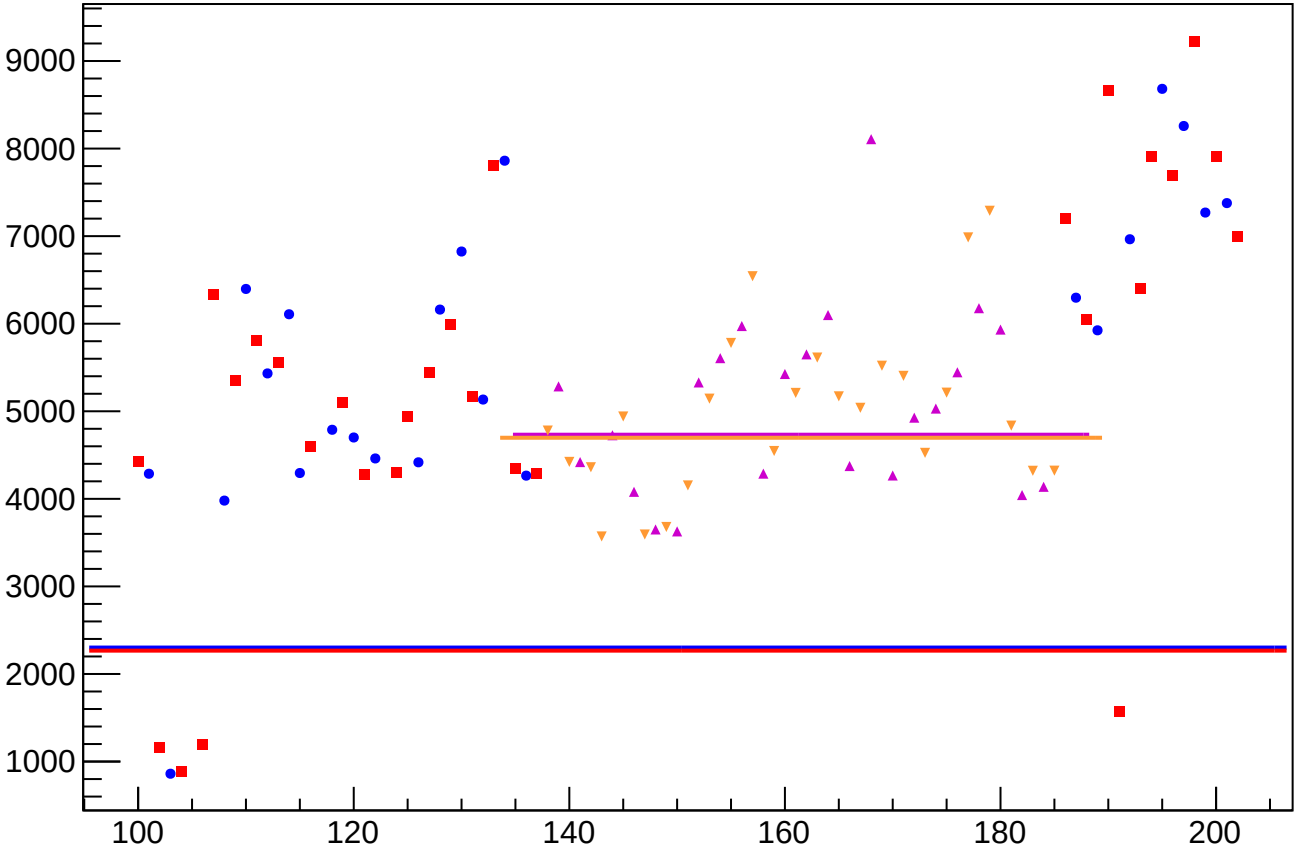
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -148.622+/-705.028 χ^2/NDF: 49.7/47

All: 555.980+/-490.085 χ^2/NDF: 89.9/99

- sign 1214.780+/-681.728 χ^2/NDF: 38.3/51

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2301.740+/-0.653 χ^2/NDF: 12051084.4/22

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2266.578+/-0.605 χ^2/NDF: 13587643.6/28

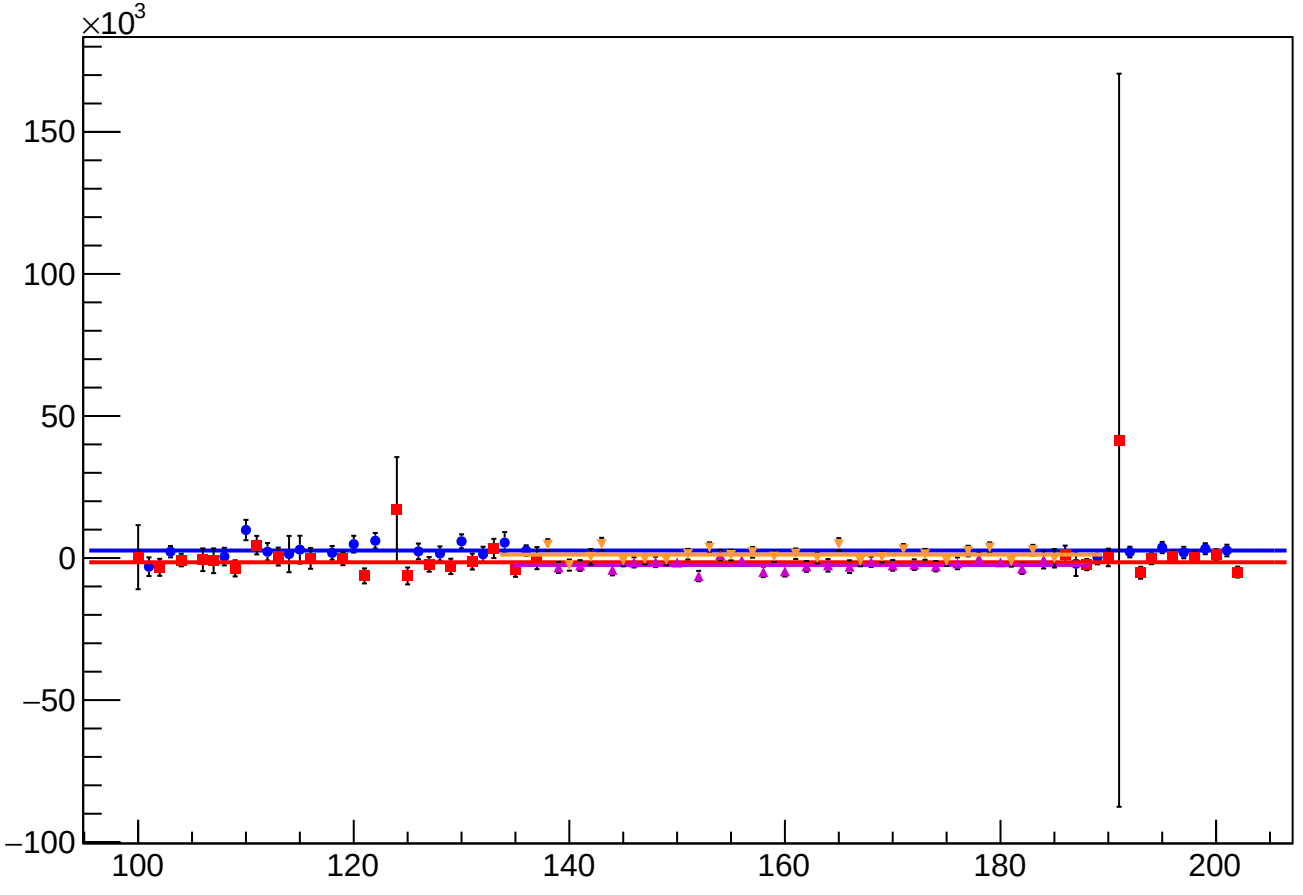
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3300.480+/-0.499 χ^2/NDF: 18904941.2/47

All: 3231.265+/-0.347 χ^2/NDF: 39837158.9/9

- sign 3166.549+/-0.482 χ^2/NDF: 20894918.5/51

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2648.240+/-528.448 χ^2/NDF: 15.4/22

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1488.234+/-500.220 χ^2/NDF: 27.6/28

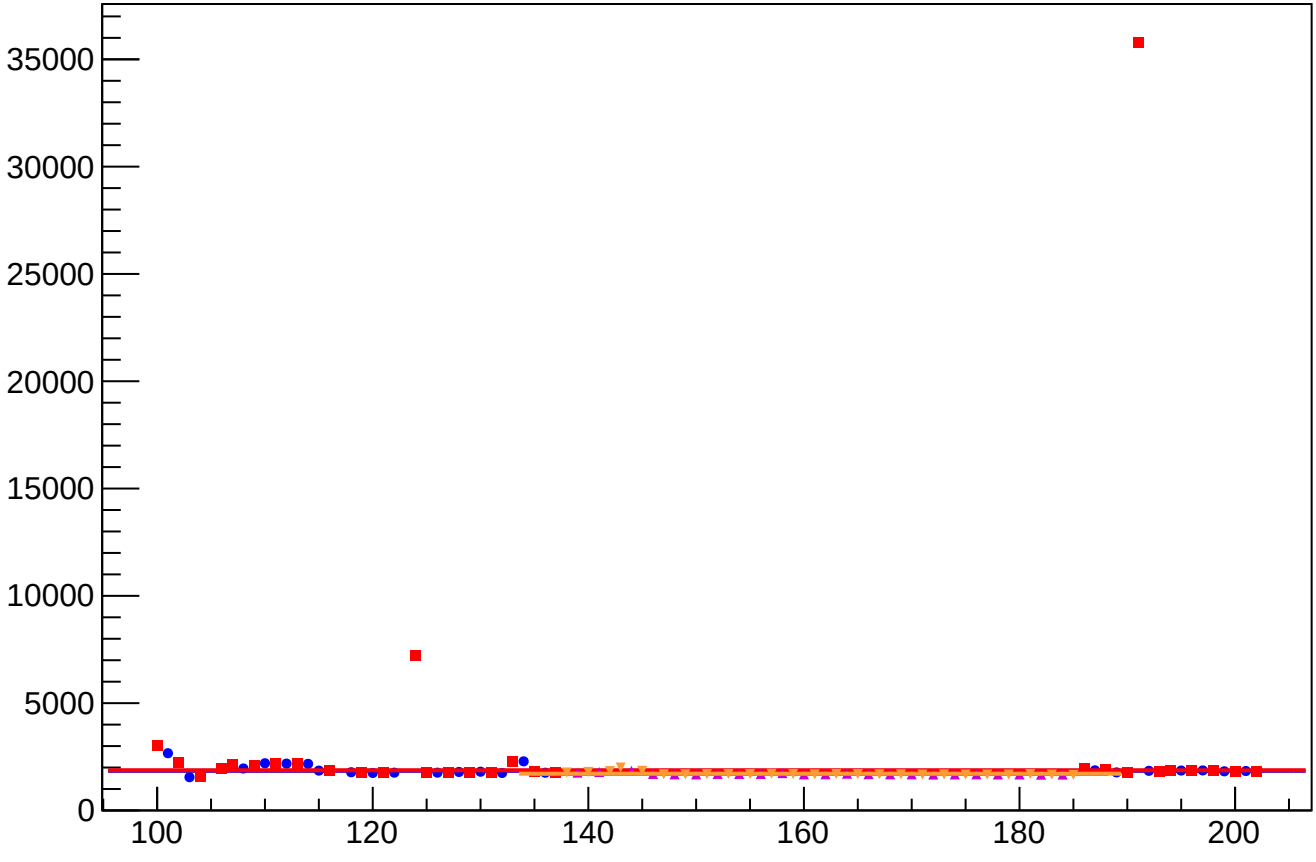
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1710.691+/-313.346 χ^2/NDF: 46.5/47

All: -191.464+/-220.889 χ^2/NDF: 167.1/99

- sign -2070.432+/-311.431 χ^2/NDF: 47.3/51

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1847.904+/-0.374 χ^2/NDF: 266040.9/22

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1871.966+/-0.353 χ^2/NDF: 520084.9/28

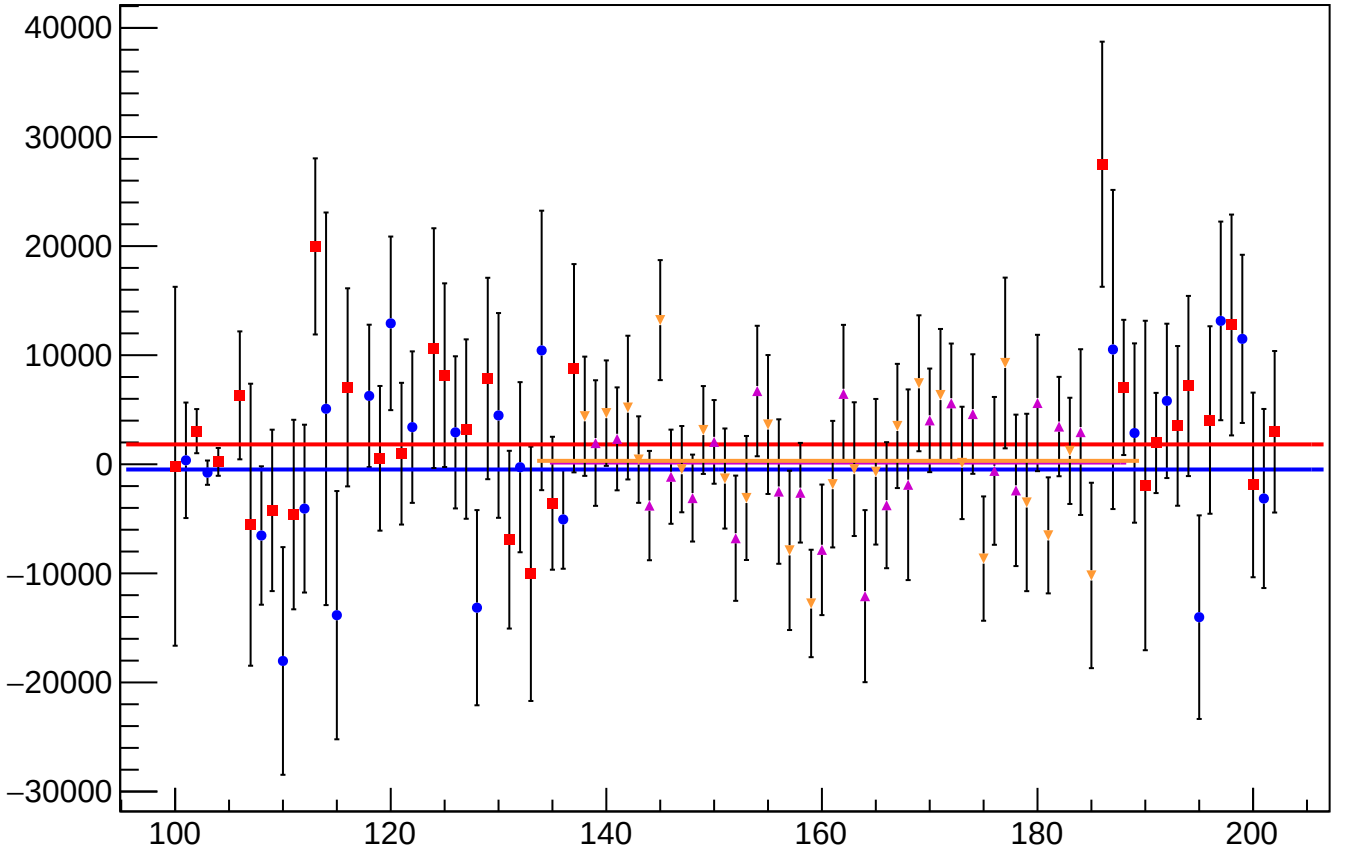
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1759.639+/-0.222 χ^2/NDF: 412161.4/47

All: 1764.436+/-0.156 χ^2/NDF: 1094069.3/99

- sign 1769.171+/-0.220 χ^2/NDF: 680976.4/51

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -478.938+/-923.203 χ^2/NDF: 22.4/22

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1821.906+/-881.499 χ^2/NDF: 22.6/28

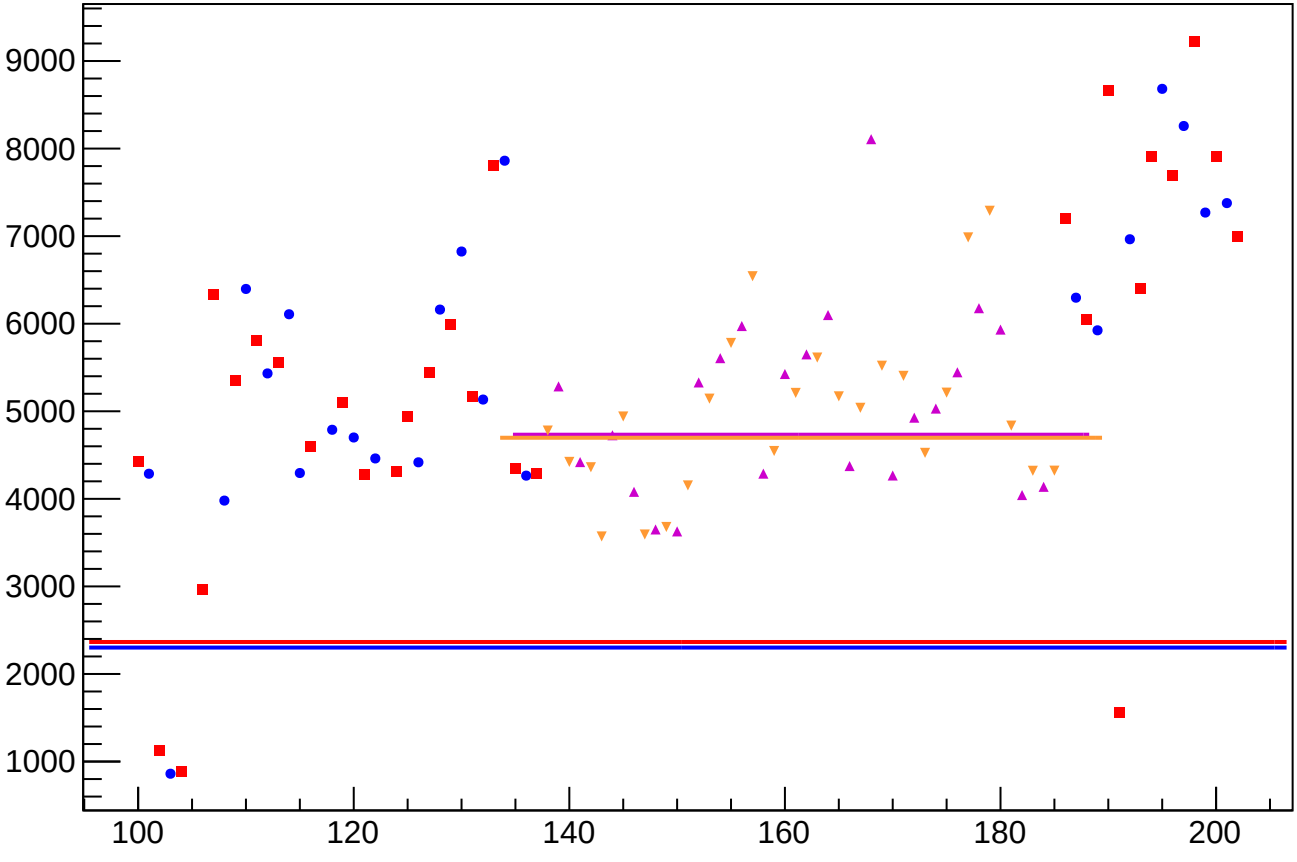
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -148.381+/-705.007 χ^2/NDF: 49.7/47

All: 531.369+/-494.821 χ^2/NDF: 90.2/99

- sign 1191.334+/-694.672 χ^2/NDF: 38.7/51

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2301.554+/-0.653 χ^2/NDF: 12051841.6/22

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2365.286+/-0.623 χ^2/NDF: 13385038.5/28

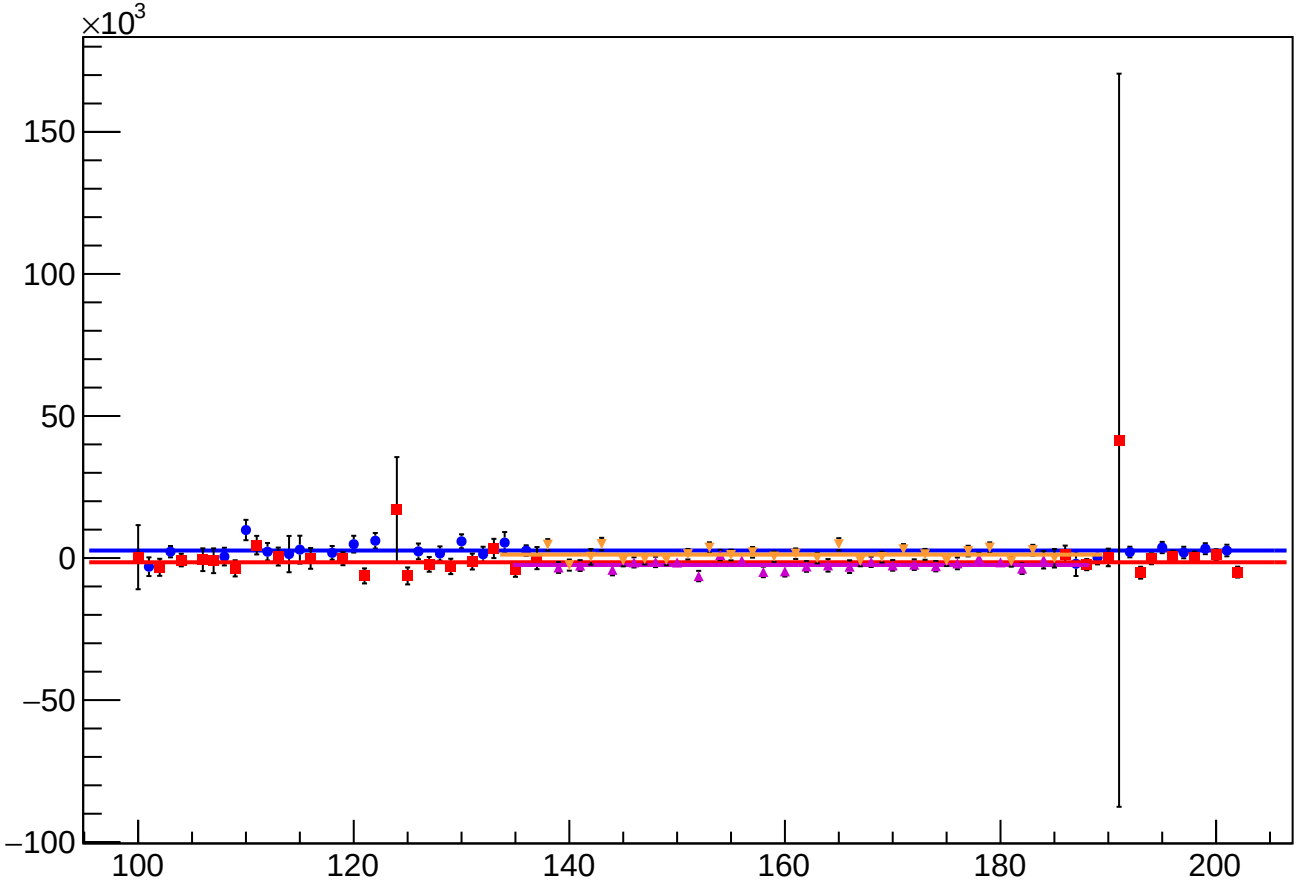
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3300.312+/-0.499 χ^2/NDF: 18906805.6/47

All: 3281.050+/-0.350 χ^2/NDF: 39003128.9/9

- sign 3262.349+/-0.491 χ^2/NDF: 20093380.9/51

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2648.240+/-528.448 χ^2/NDF: 15.4/22

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1488.234+/-500.220 χ^2/NDF: 27.6/28

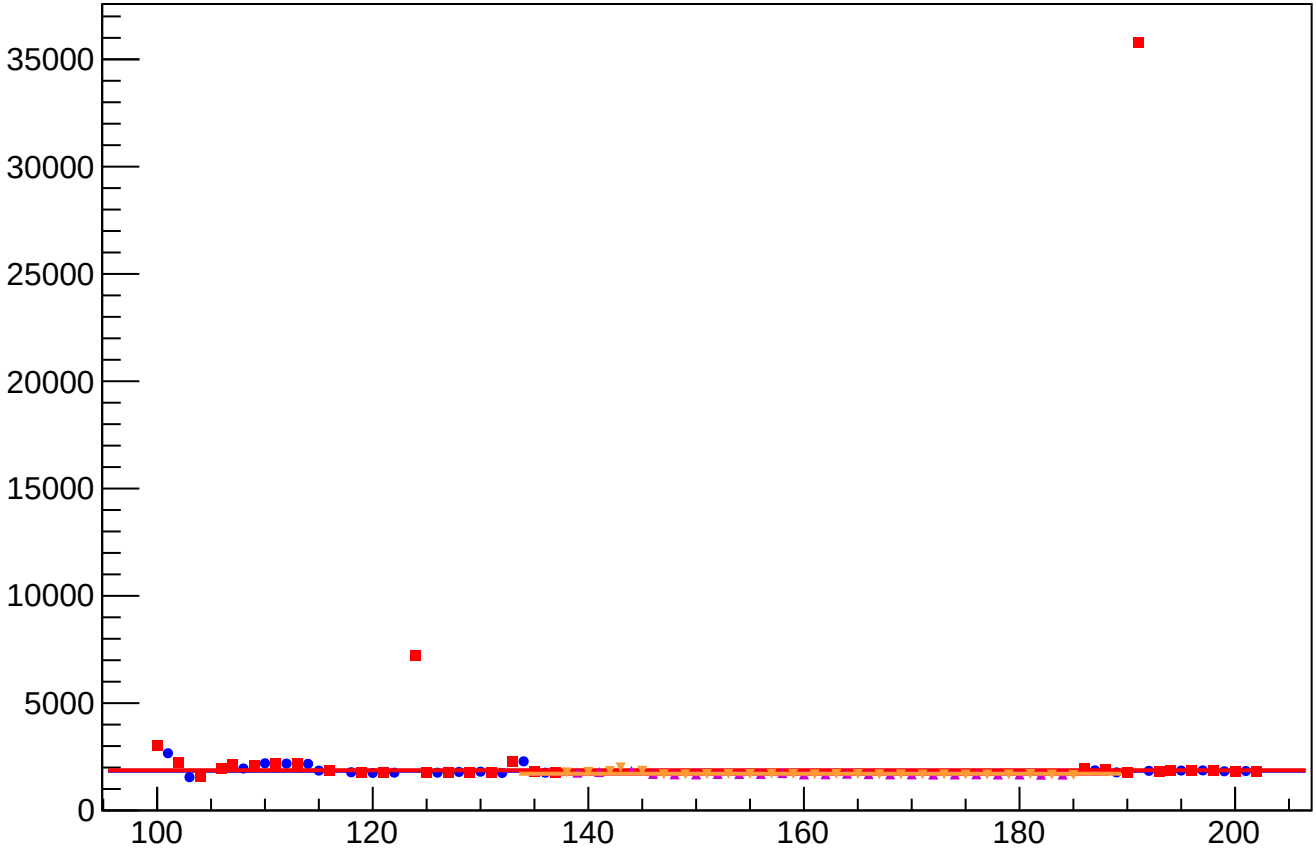
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1710.691+/-313.346 χ^2/NDF: 46.5/47

All: -191.464+/-220.889 χ^2/NDF: 167.1/99

- sign -2070.432+/-311.431 χ^2/NDF: 47.3/51

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1847.904+/-0.374 χ^2/NDF: 266040.9/22

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

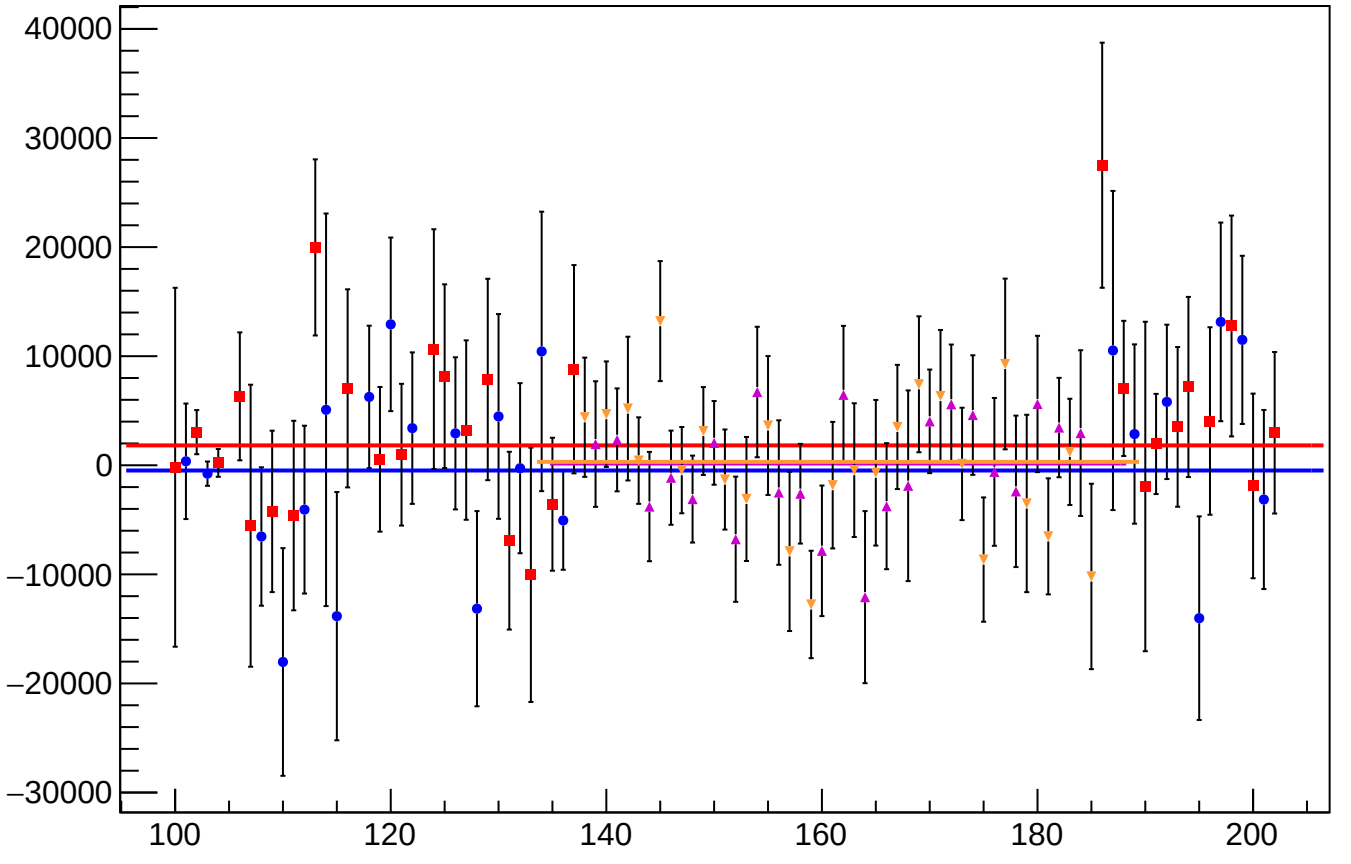
Right Out: 1871.966+/-0.353 χ^2/NDF: 520084.9/28

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1759.639+/-0.222 χ^2/NDF: 412161.4/47

All: 1764.436+/-0.156 χ^2/NDF: 1094069.3/99

- sign 1769.171+/-0.220 χ^2/NDF: 680976.4/51



Right In: -478.938+/-923.203 χ^2/NDF: 22.4/22

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1821.906+/-881.499 χ^2/NDF: 22.6/28

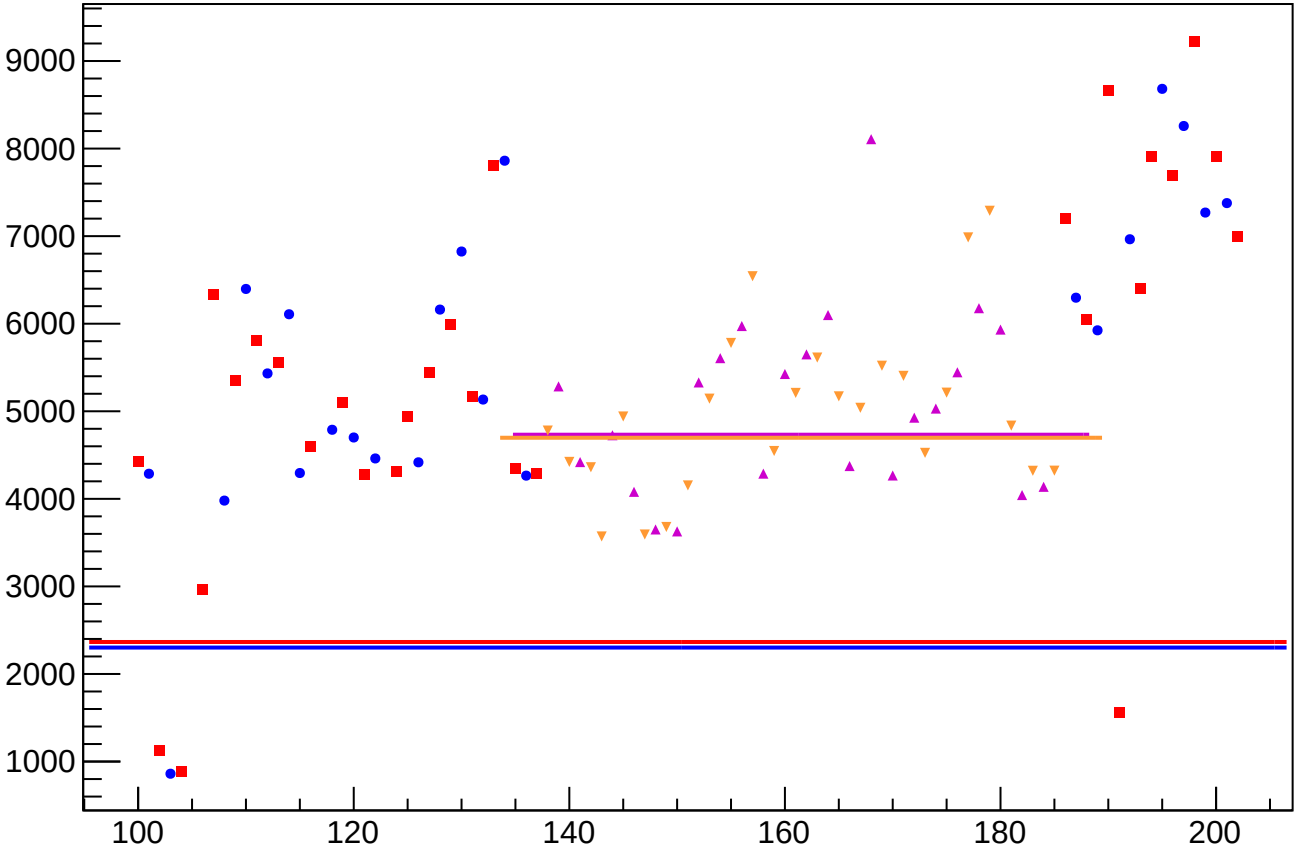
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -148.381+/-705.007 χ^2/NDF: 49.7/47

All: 531.369+/-494.821 χ^2/NDF: 90.2/99

- sign 1191.334+/-694.672 χ^2/NDF: 38.7/51

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 2301.554+/-0.653 χ^2/NDF: 12051841.6/22

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

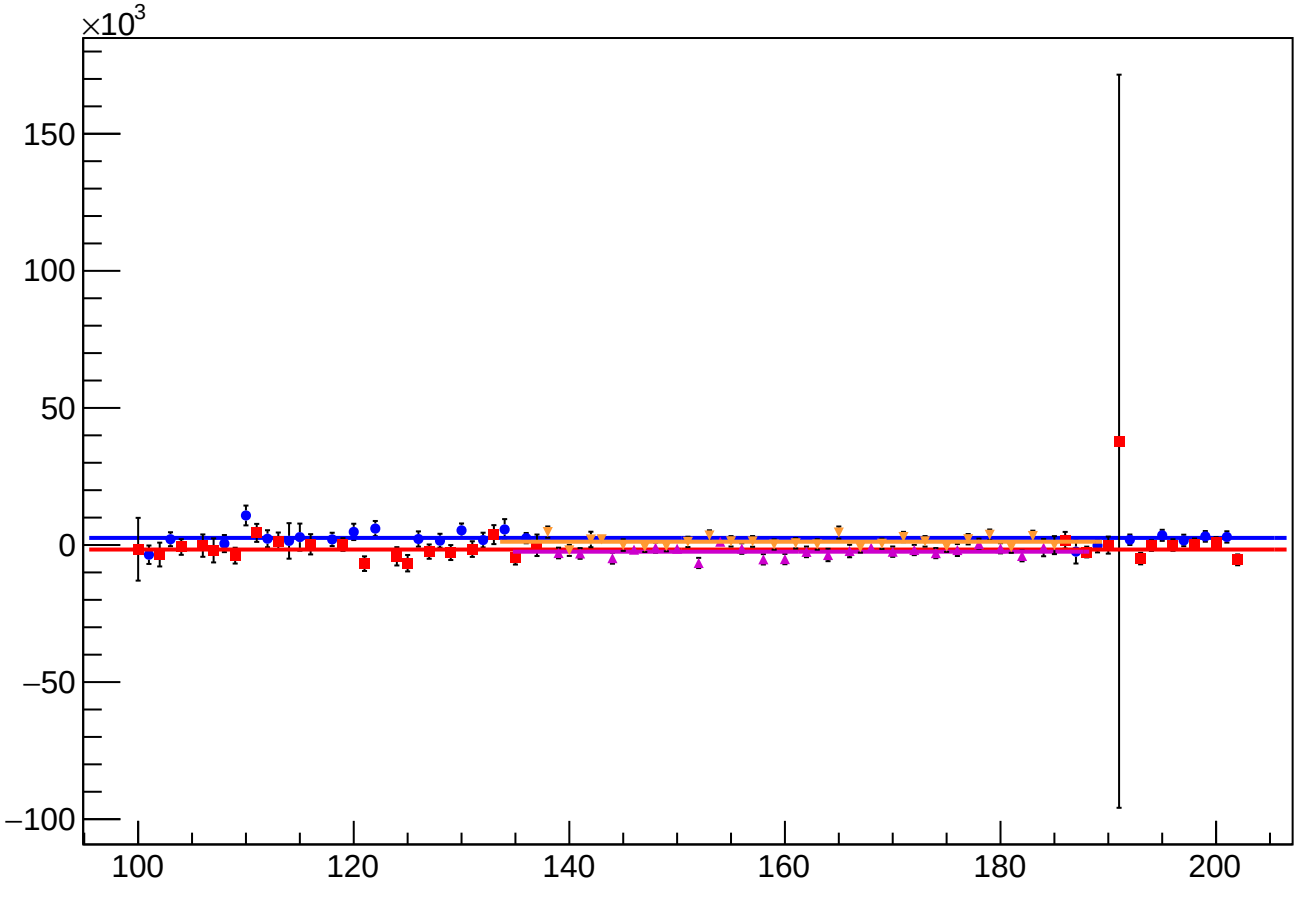
Right Out: 2365.286+/-0.623 χ^2/NDF: 13385038.5/28

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3300.312+/-0.499 χ^2/NDF: 18906805.6/47

All: 3281.050+/-0.350 χ^2/NDF: 39003128.9/9

- sign 3262.349+/-0.491 χ^2/NDF: 20093380.9/51



Right In: 2592.324+/-542.306 χ^2/NDF: 16.5/22

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1648.181+/-509.081 χ^2/NDF: 29.1/28

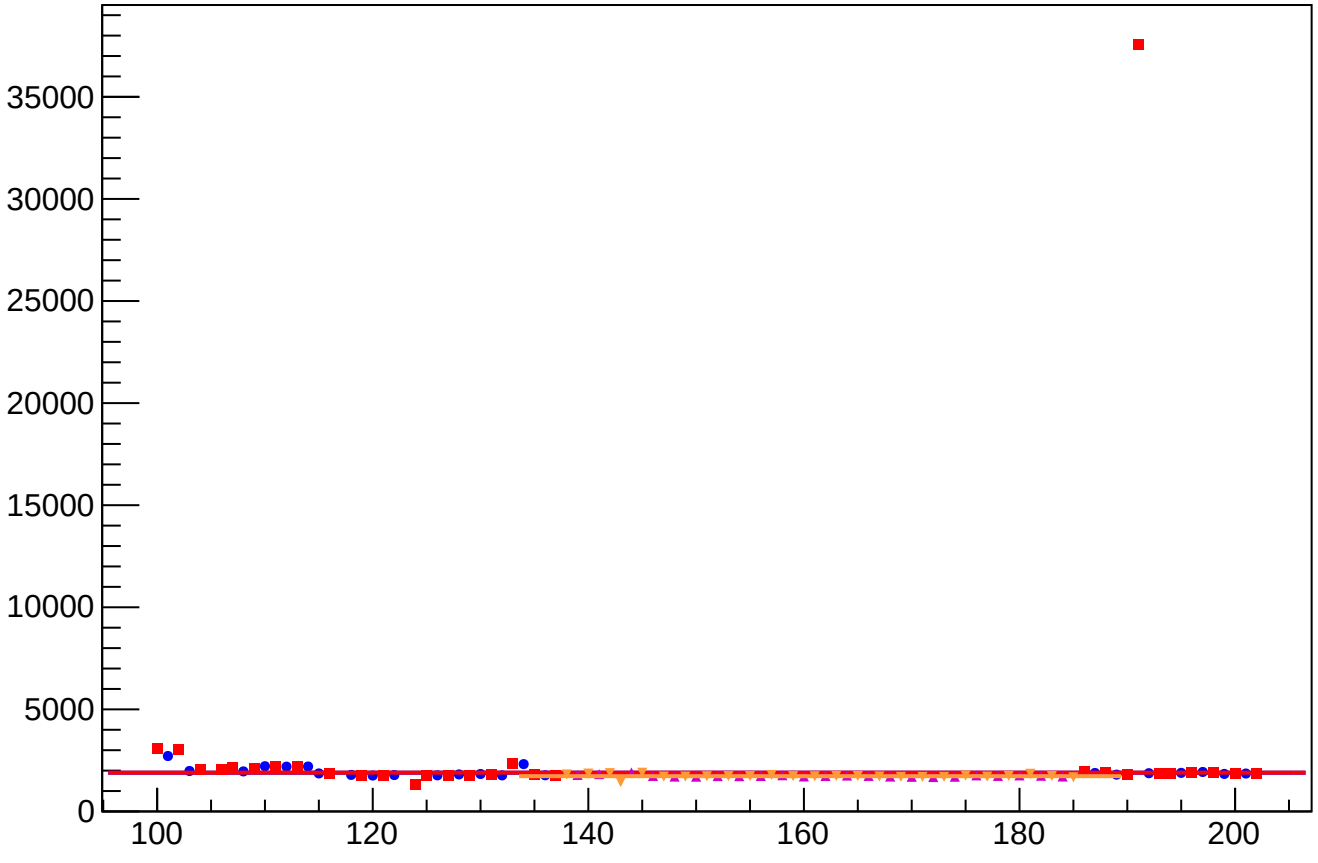
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1677.664+/-318.215 χ^2/NDF: 40.3/47

All: -226.291+/-224.991 χ^2/NDF: 163.1/99

- sign -2129.551+/-318.157 χ^2/NDF: 51.2/51

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1897.240+/-0.383 χ^2/NDF: 223709.3/22

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1901.439+/-0.360 χ^2/NDF: 500397.3/28

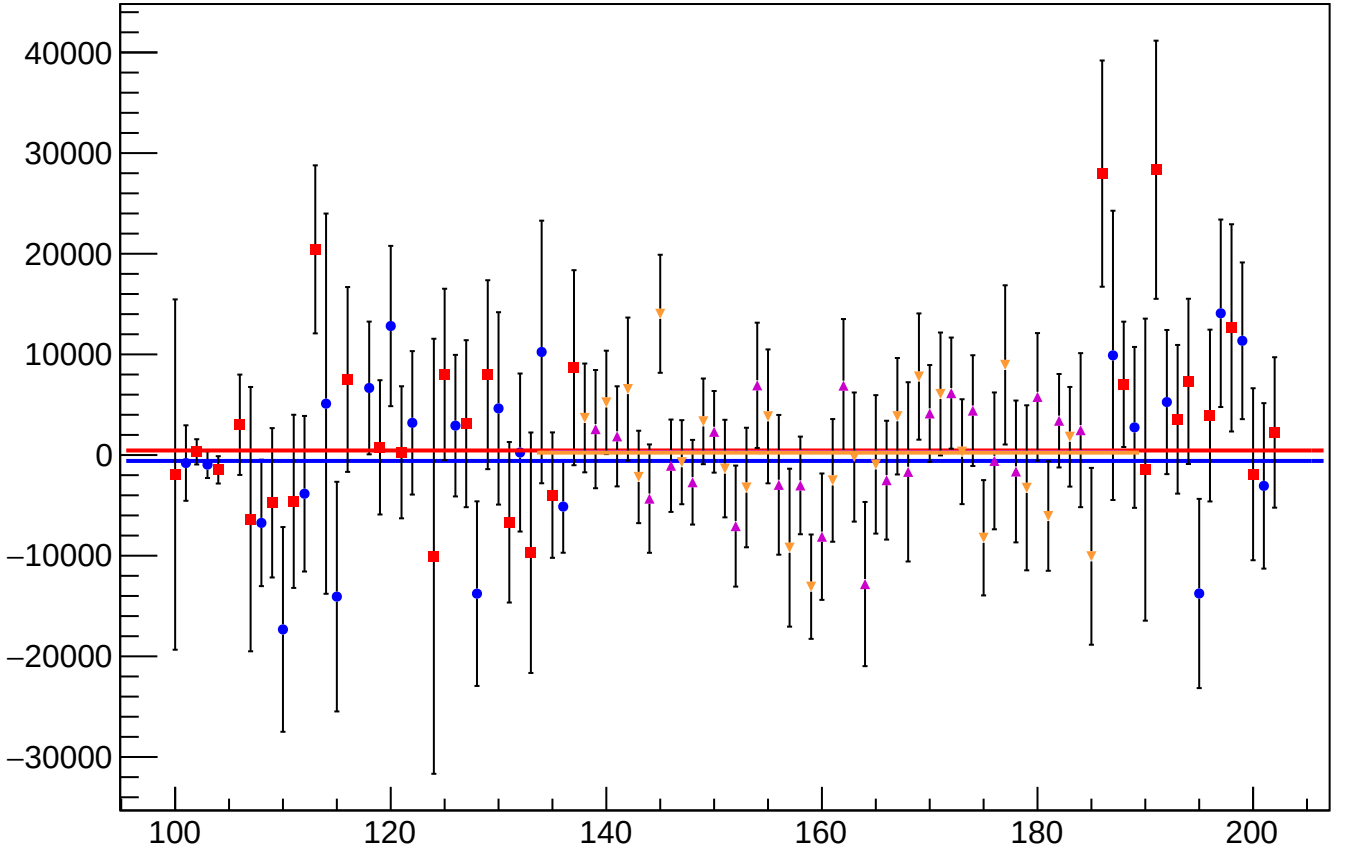
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1785.770+/-0.225 χ^2/NDF: 462852.8/47

All: 1795.842+/-0.159 χ^2/NDF: 1109750.3/99

- sign 1805.908+/-0.225 χ^2/NDF: 642890.9/51

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -584.848+/-1018.678 χ^2/NDF: 22.3/22

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 453.430+/-799.574 χ^2/NDF: 28.7/28

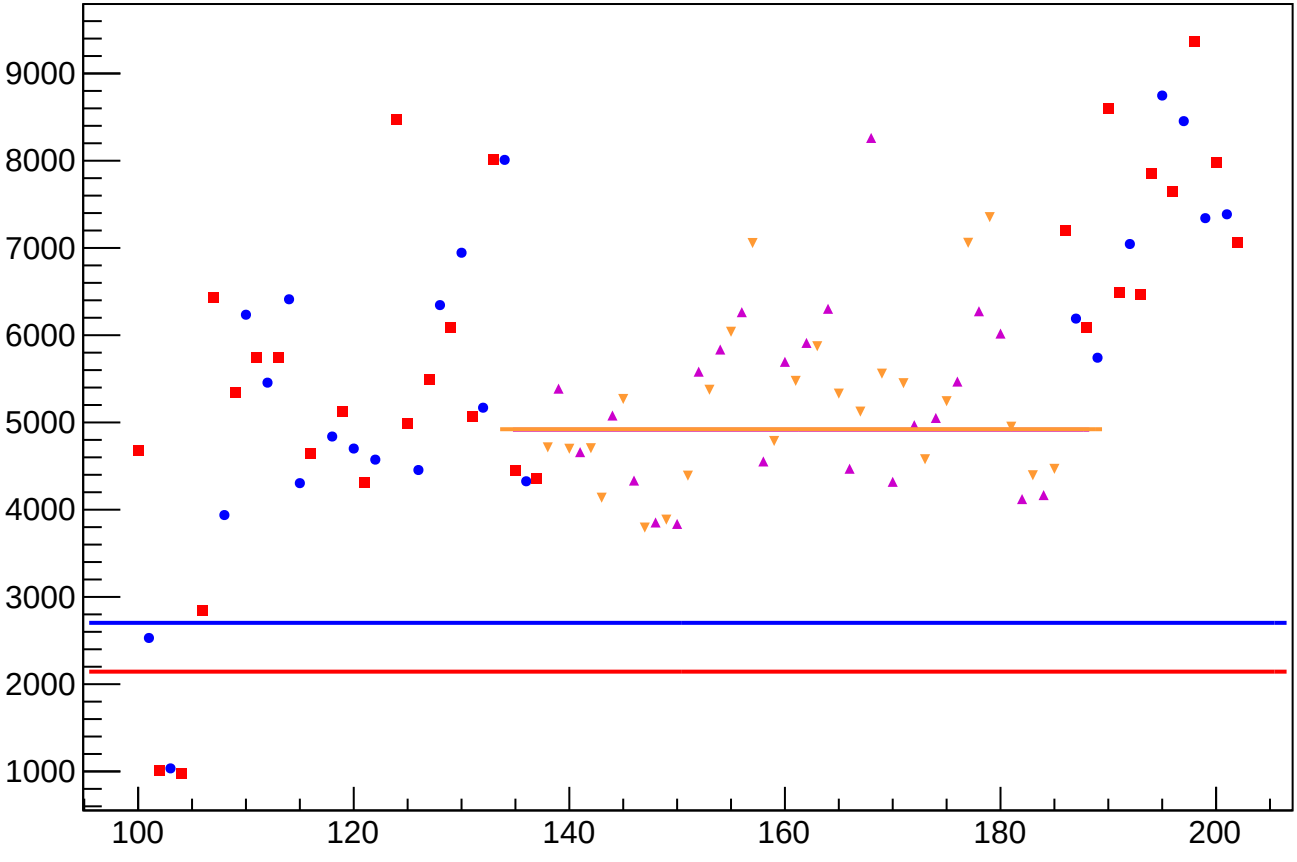
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -218.478+/-759.882 χ^2/NDF: 49.3/47

All: 137.655+/-498.430 χ^2/NDF: 92.9/99

- sign 406.585+/-660.328 χ^2/NDF: 43.2/51

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2703.064+/-0.720 χ^2/NDF: 10014479.5/22

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

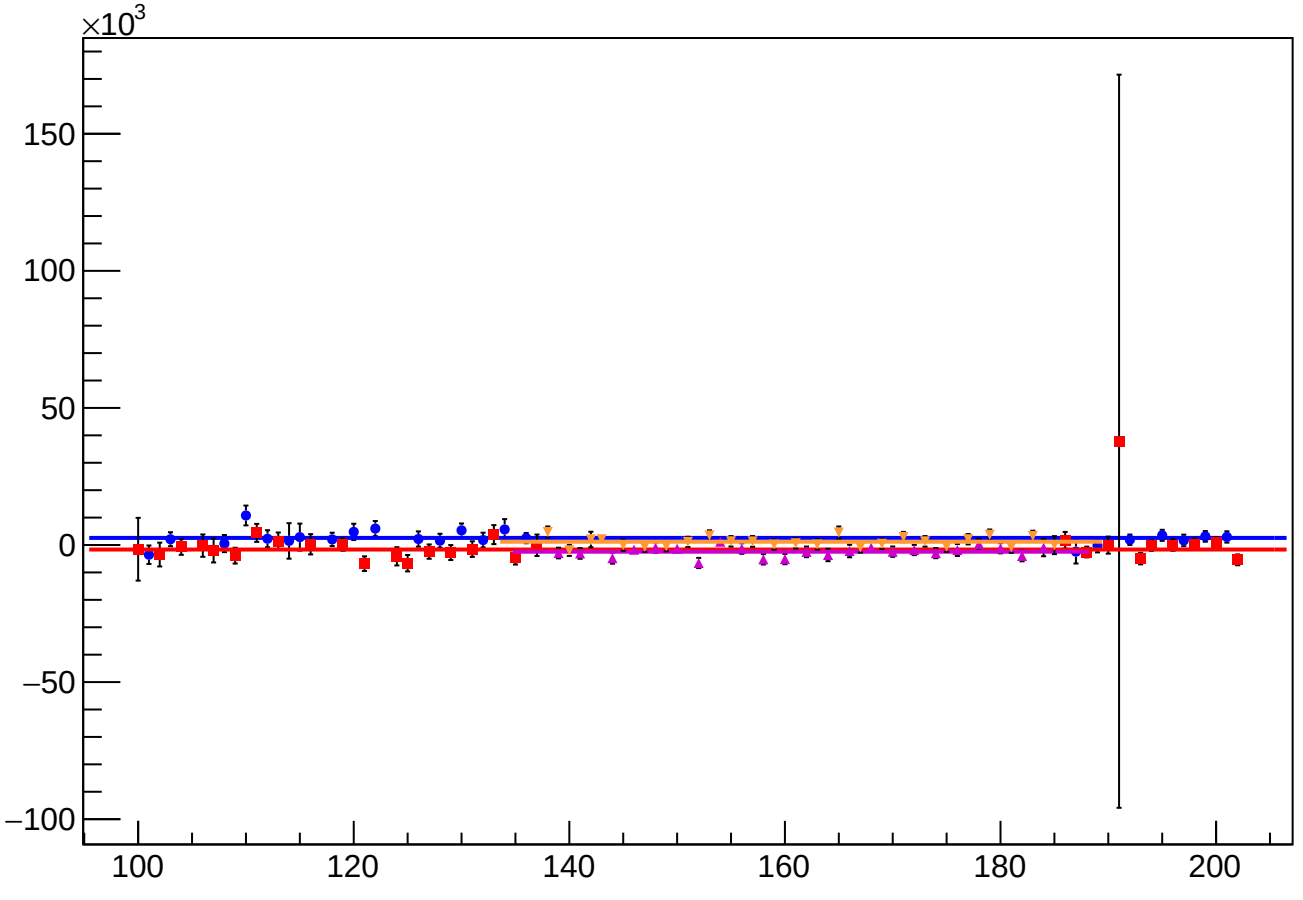
Right Out: 2143.633+/-0.565 χ^2/NDF: 14556284.8/28

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3687.462+/-0.537 χ^2/NDF: 15275508.6/47

All: 3310.293+/-0.352 χ^2/NDF: 39509043.3/9

- sign 3025.479+/-0.467 χ^2/NDF: 23368728.4/51



Right In: 2592.324+/-542.306 χ^2/NDF: 16.5/22

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1648.181+/-509.081 χ^2/NDF: 29.1/28

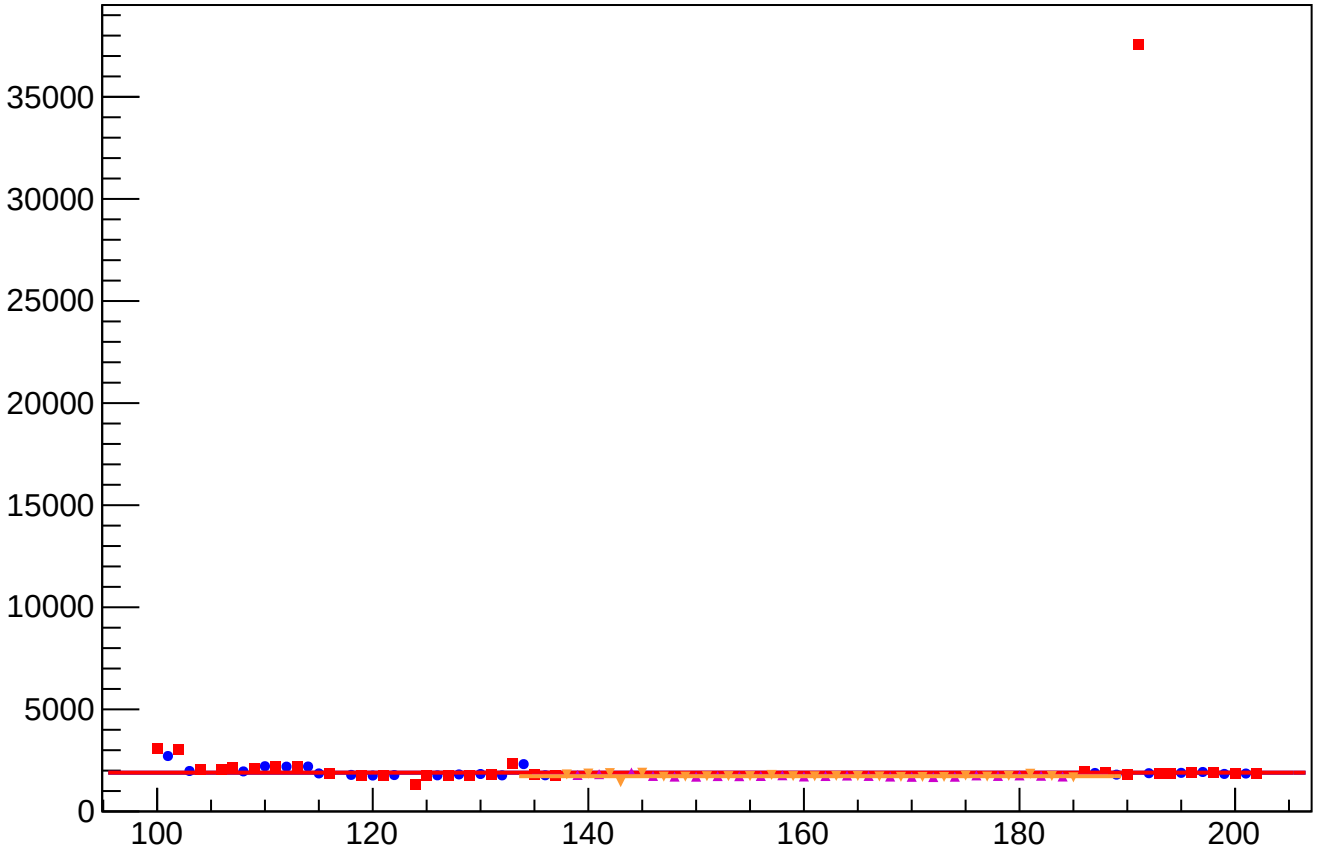
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1677.661+/-318.215 χ^2/NDF: 40.3/47

All: -226.293+/-224.991 χ^2/NDF: 163.1/99

- sign -2129.552+/-318.157 χ^2/NDF: 51.2/51

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1897.239+/-0.383 χ^2/NDF: 223709.3/22

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

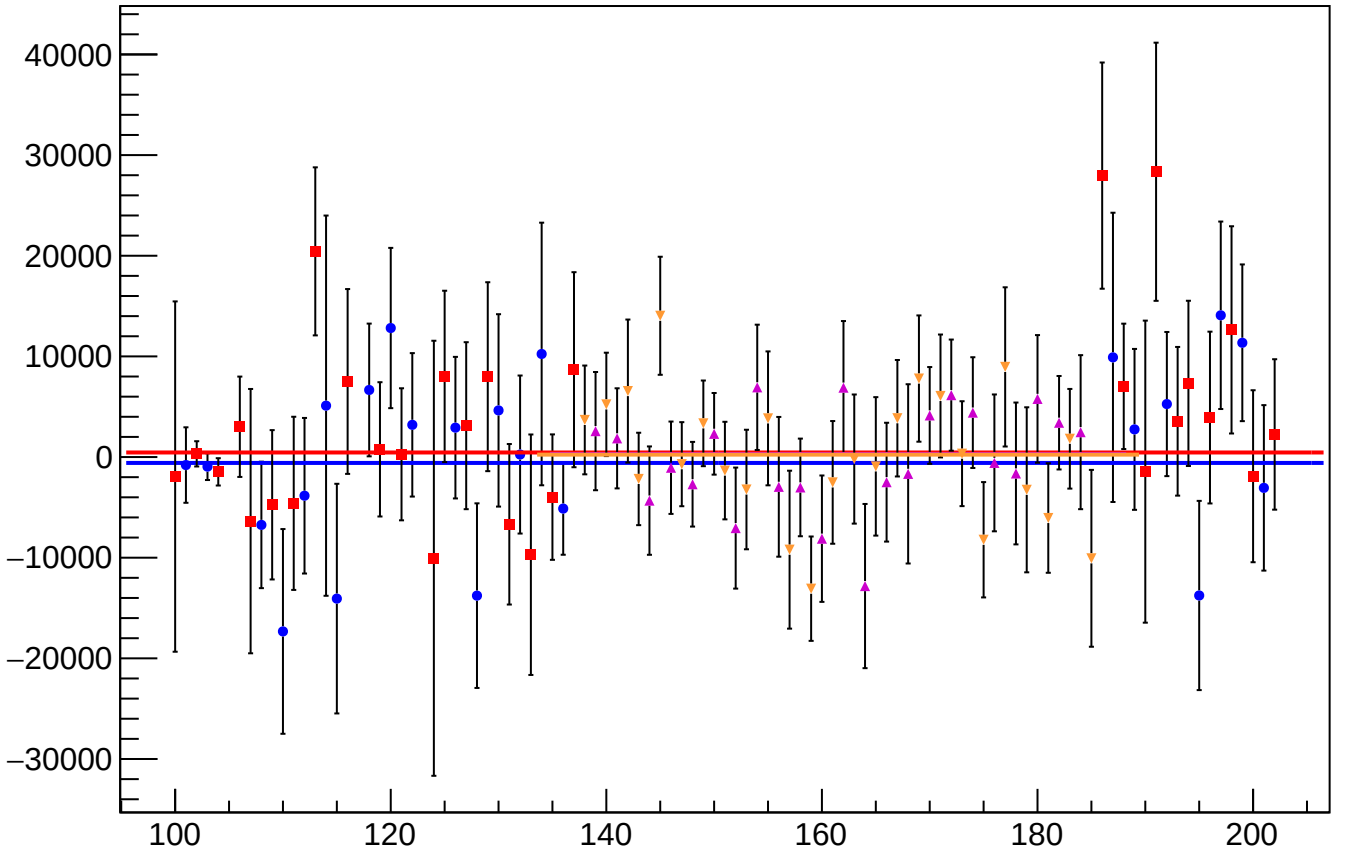
Right Out: 1901.439+/-0.360 χ^2/NDF: 500396.1/28

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1785.770+/-0.225 χ^2/NDF: 462849.9/47

All: 1795.843+/-0.159 χ^2/NDF: 1109744.9/99

- sign 1805.909+/-0.225 χ^2/NDF: 642888.4/51



Right In: -584.847+/-1018.677 χ^2/NDF: 22.3/22

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 453.434+/-799.574 χ^2/NDF: 28.7/28

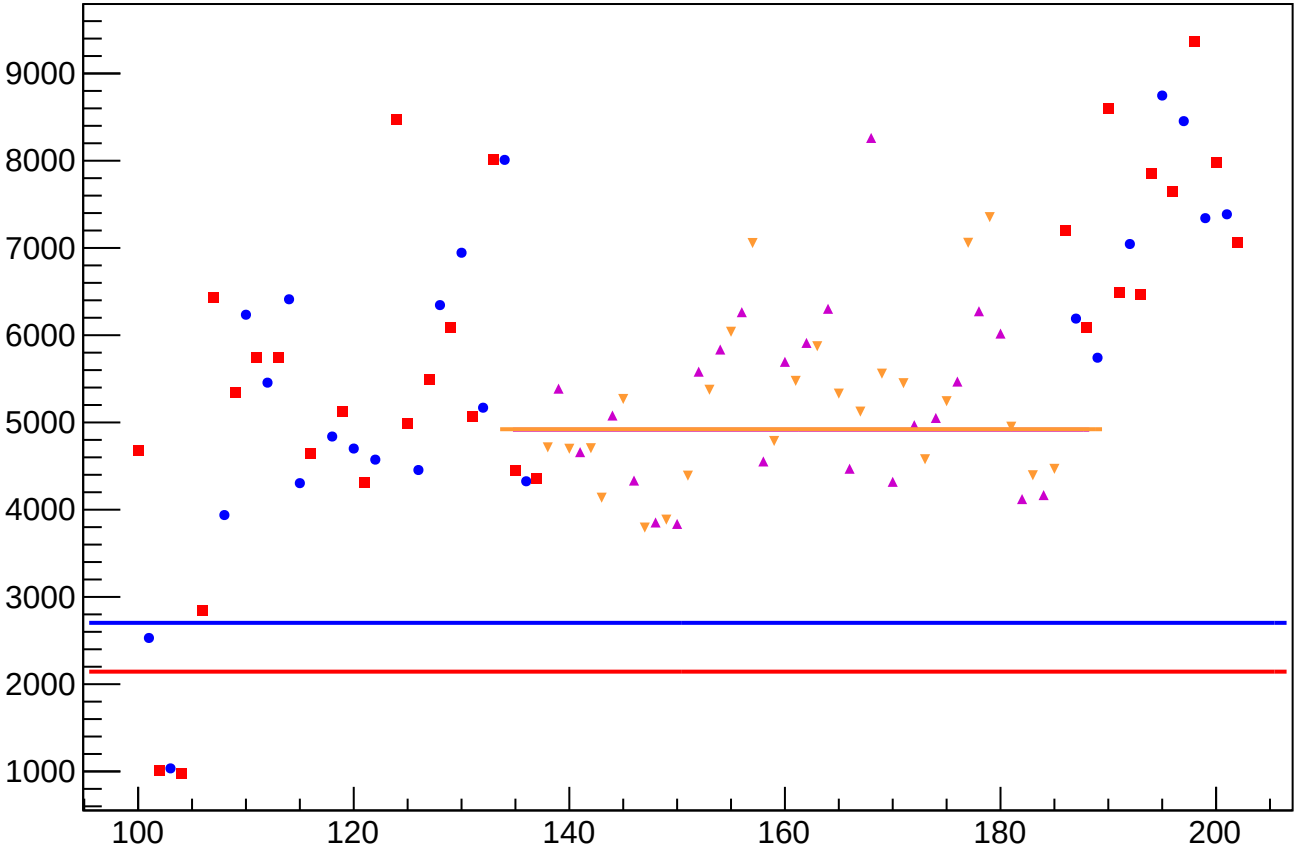
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -218.479+/-759.883 χ^2/NDF: 49.3/47

All: 137.657+/-498.430 χ^2/NDF: 92.8/99

- sign 406.589+/-660.328 χ^2/NDF: 43.2/51

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2703.062+/-0.720 χ^2/NDF: 10014481.4/22

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2143.632+/-0.565 χ^2/NDF: 14556283.2/28

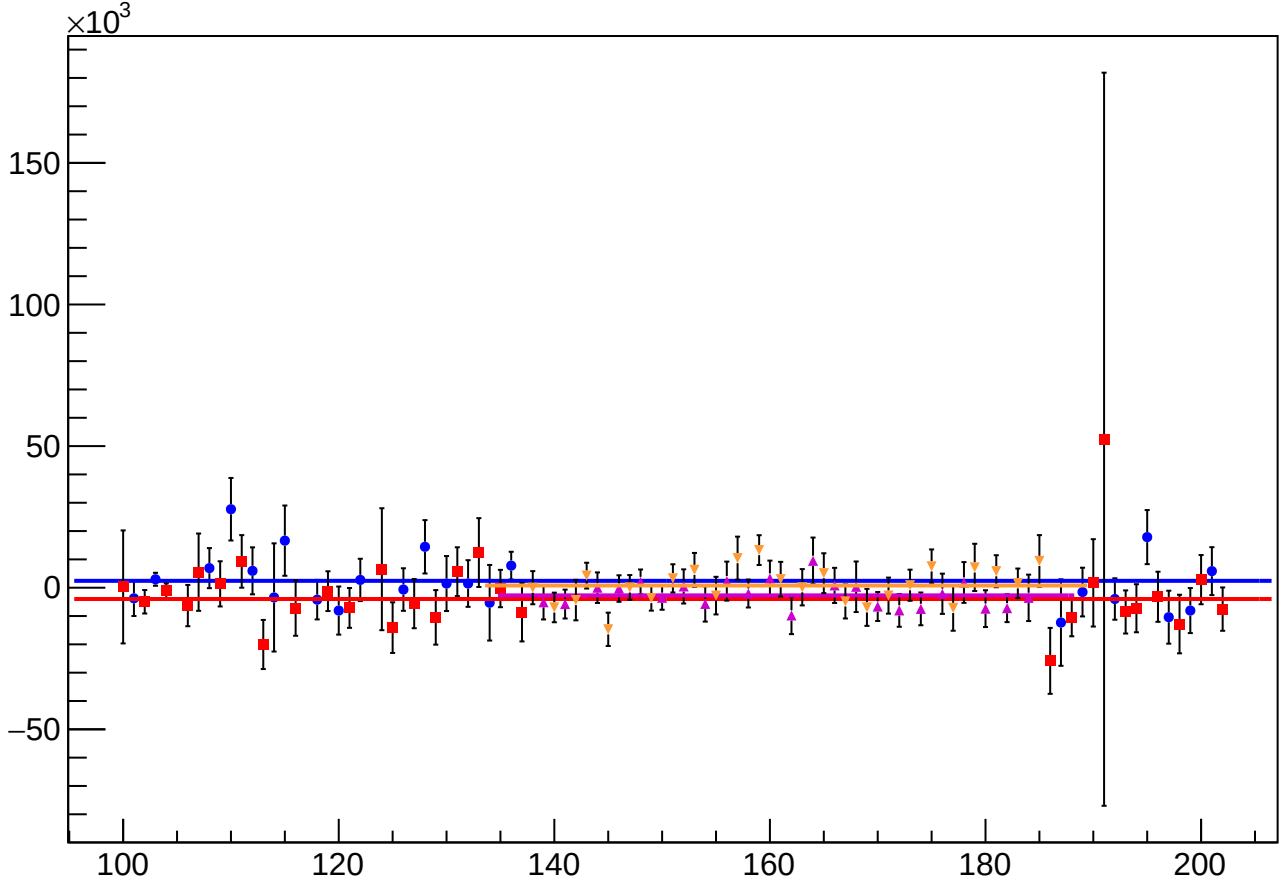
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3687.462+/-0.537 χ^2/NDF: 15275543.2/47

All: 3310.293+/-0.352 χ^2/NDF: 39509115.0/9

- sign 3025.479+/-0.467 χ^2/NDF: 23368763.4/51

asym_atl1r2_avg_mean vs Slug



Right In: 2428.491+/-1399.278 χ^2/NDF: 22.4/22

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3985.917+/-1368.616 χ^2/NDF: 20.9/28

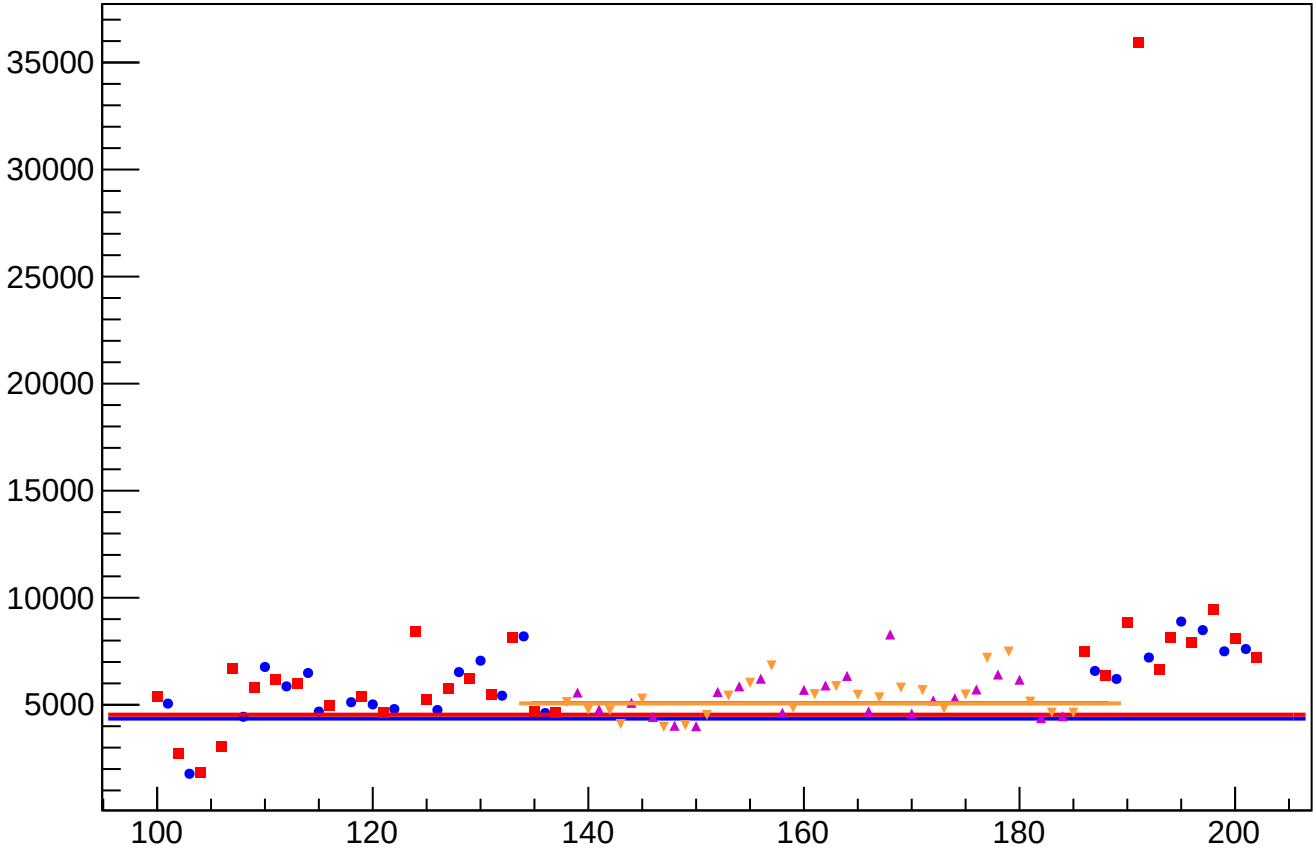
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1464.320+/-898.462 χ^2/NDF: 50.8/47

All: -883.490+/-637.589 χ^2/NDF: 97.8/99

- sign -3265.322+/-904.948 χ^2/NDF: 33.3/51

asym_atl1r2_avg_rms vs Slug



Right In: 4355.948+/-0.989 χ^2/NDF: 5144214.6/22

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4540.409+/-0.960 χ^2/NDF: 5677535.9/28

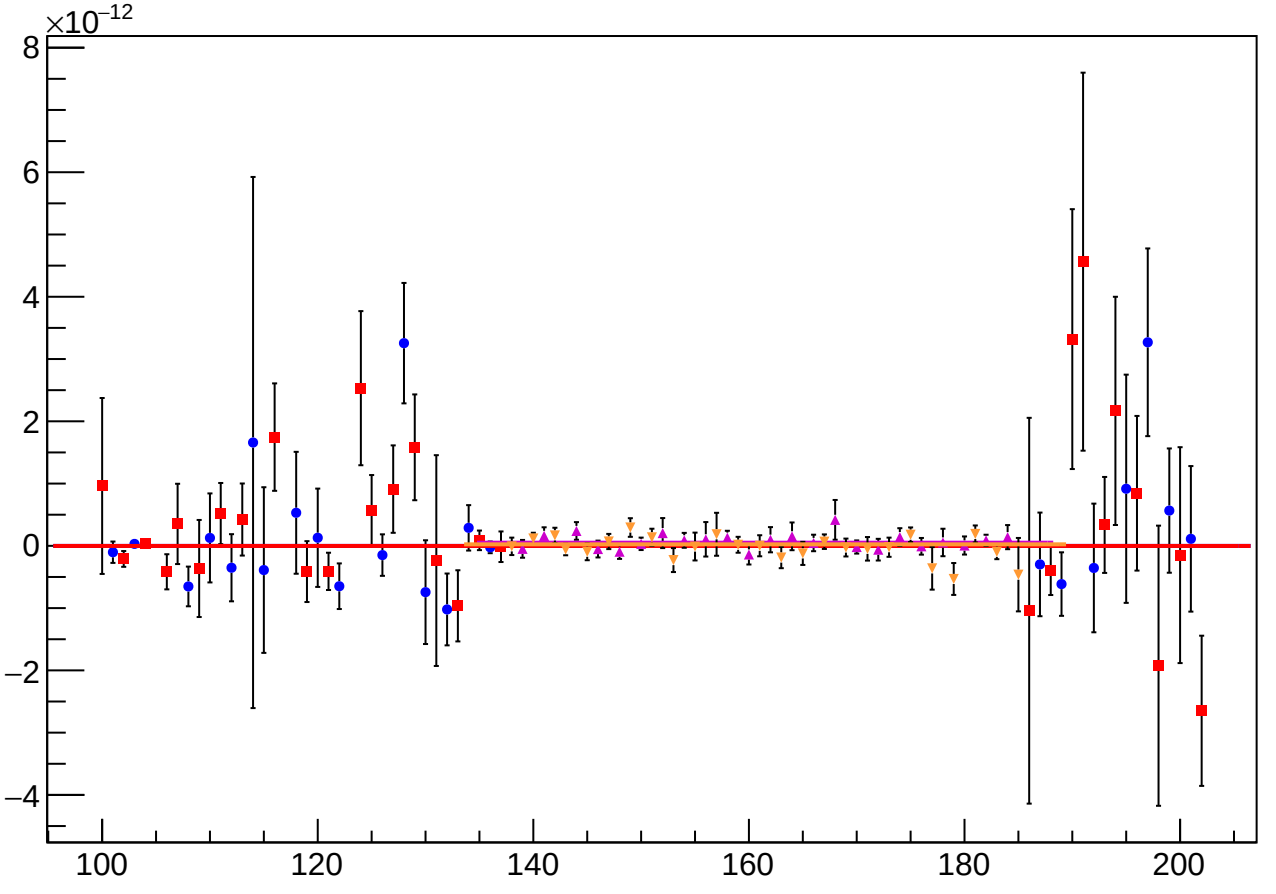
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4774.375+/-0.635 χ^2/NDF: 6402761.2/47

All: 4807.986+/-0.450 χ^2/NDF: 13263475.9/9

- sign 4841.850+/-0.638 χ^2/NDF: 6855095.8/51

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.8/28

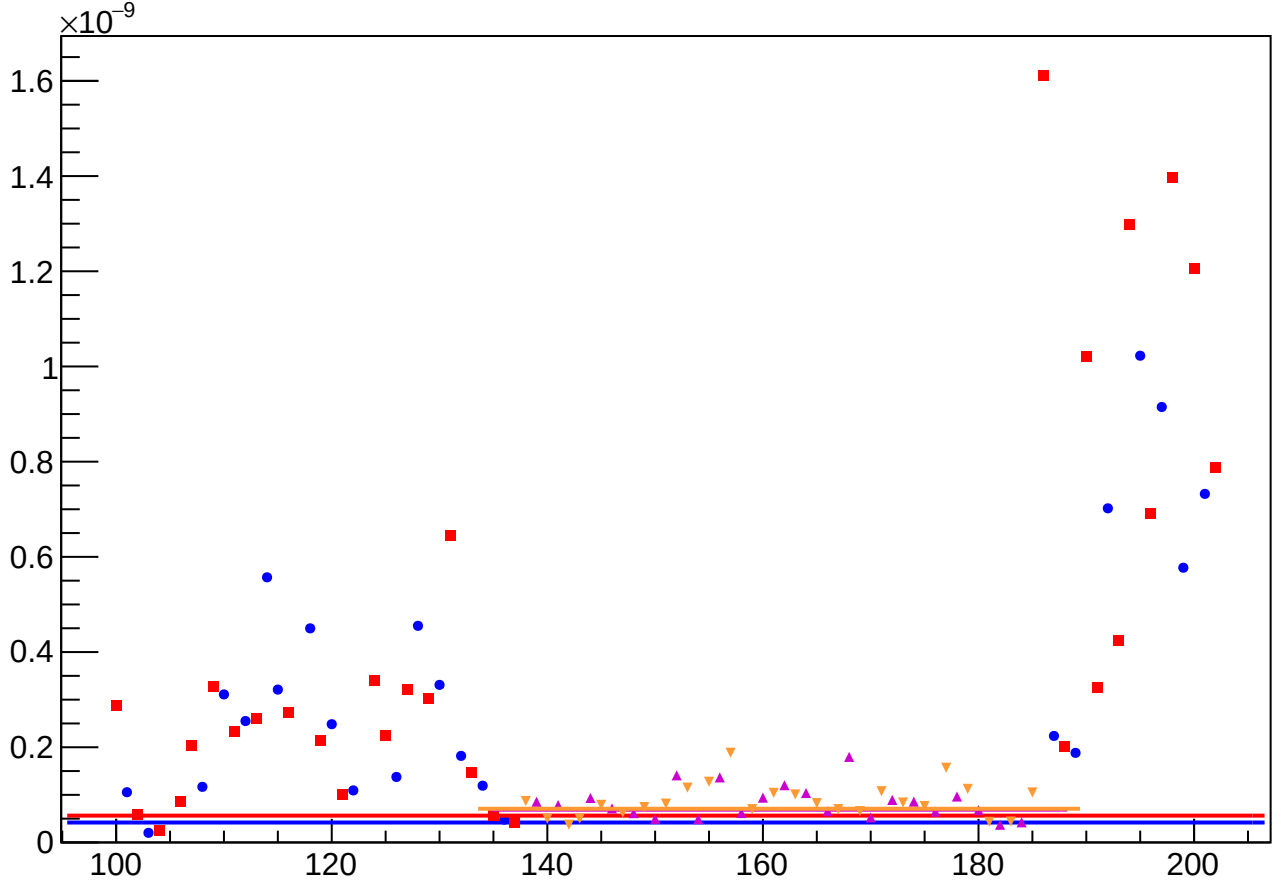
Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/47

All: 0.000+/-0.000 χ^2/NDF: 110.4/99

- sign 0.000+/-0.000 χ^2/NDF: 53.7/51

asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6761045.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8398598.1/28

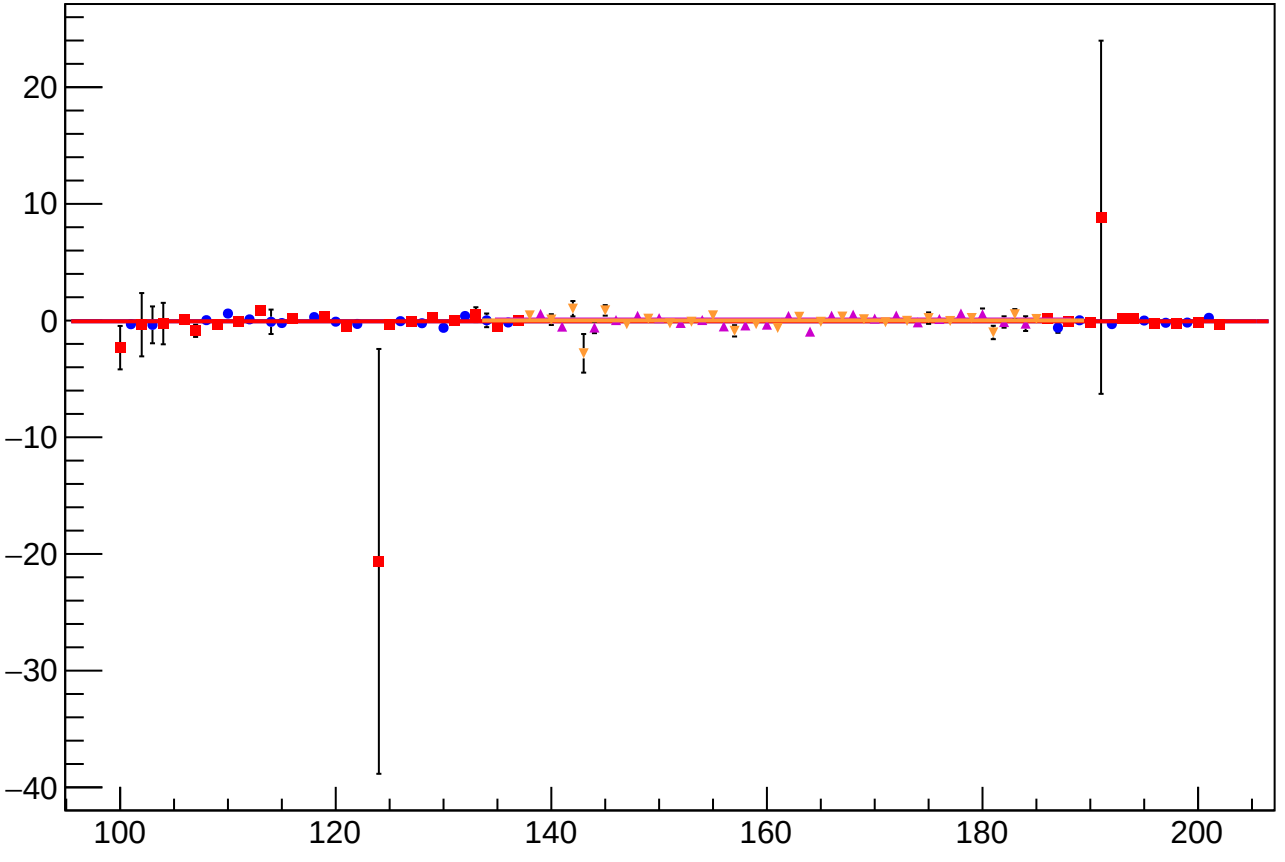
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9034323.3/47

All: 0.000+/-0.000 χ^2/NDF: 19030391.4/99

- sign 0.000+/-0.000 χ^2/NDF: 9941331.5/51

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.058+/-0.064 χ^2/NDF: 15.7/22

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.062+/-0.053 χ^2/NDF: 28.7/28

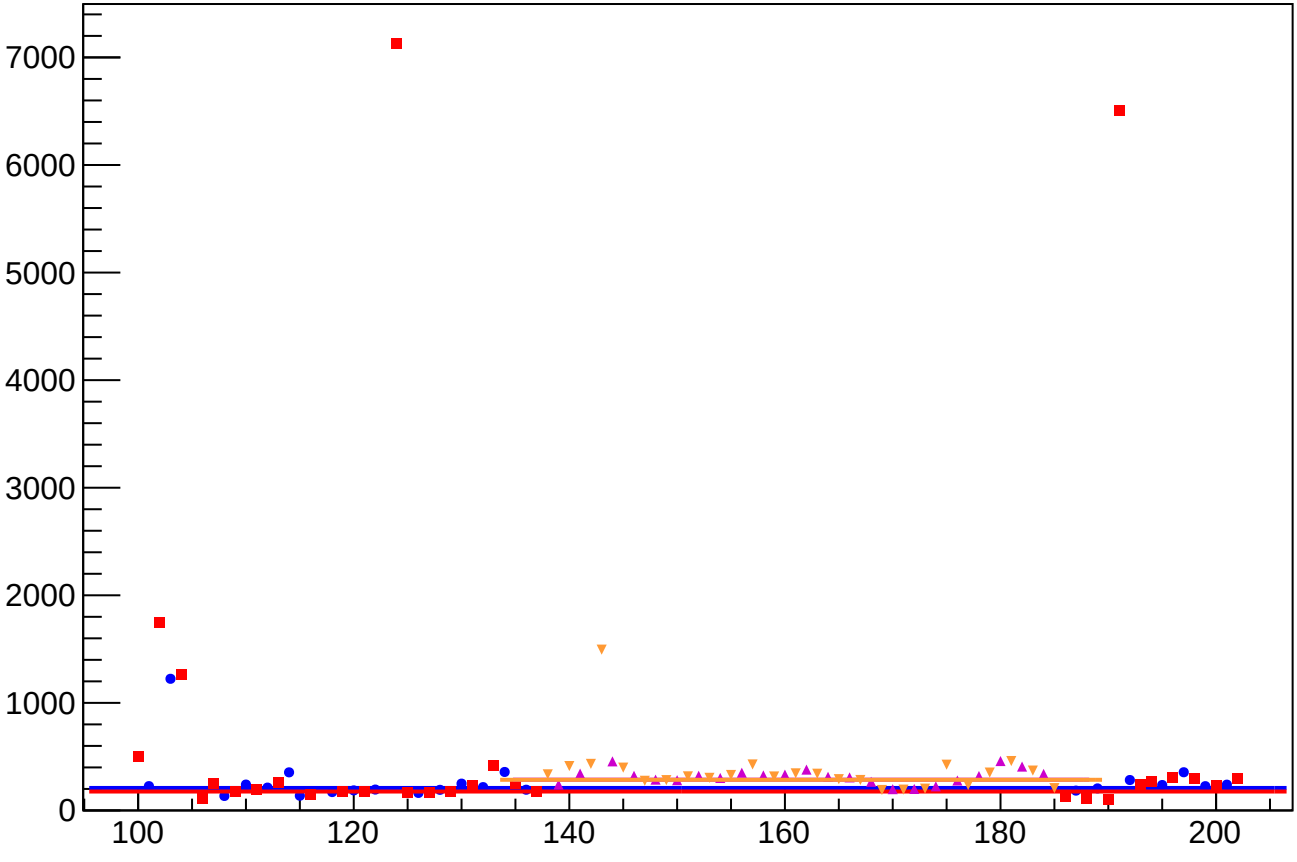
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.047 χ^2/NDF: 44.5/47

All: -0.014+/-0.032 χ^2/NDF: 107.2/99

- sign -0.006+/-0.043 χ^2/NDF: 62.6/51

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 209.129+/-0.045 χ^2/NDF: 1927731.7/22

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

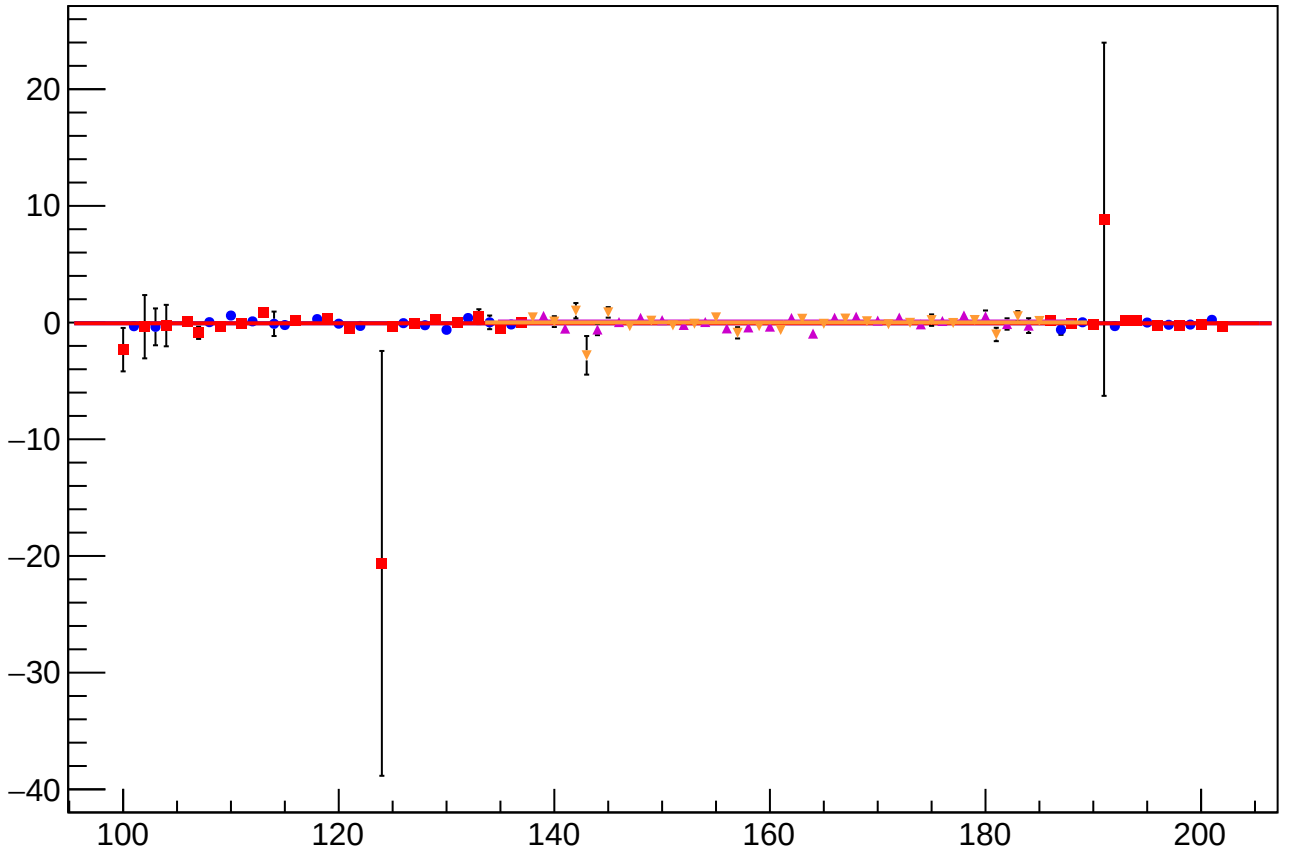
Right Out: 175.958+/-0.038 χ^2/NDF: 5060283.4/28

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.815+/-0.033 χ^2/NDF: 6618453.4/47

All: 228.566+/-0.022 χ^2/NDF: 16892709.0/99

- sign 216.153+/-0.030 χ^2/NDF: 9895555.3/51



Right In: -0.058+/-0.064 χ^2/NDF: 15.7/22

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.062+/-0.053 χ^2/NDF: 28.7/28

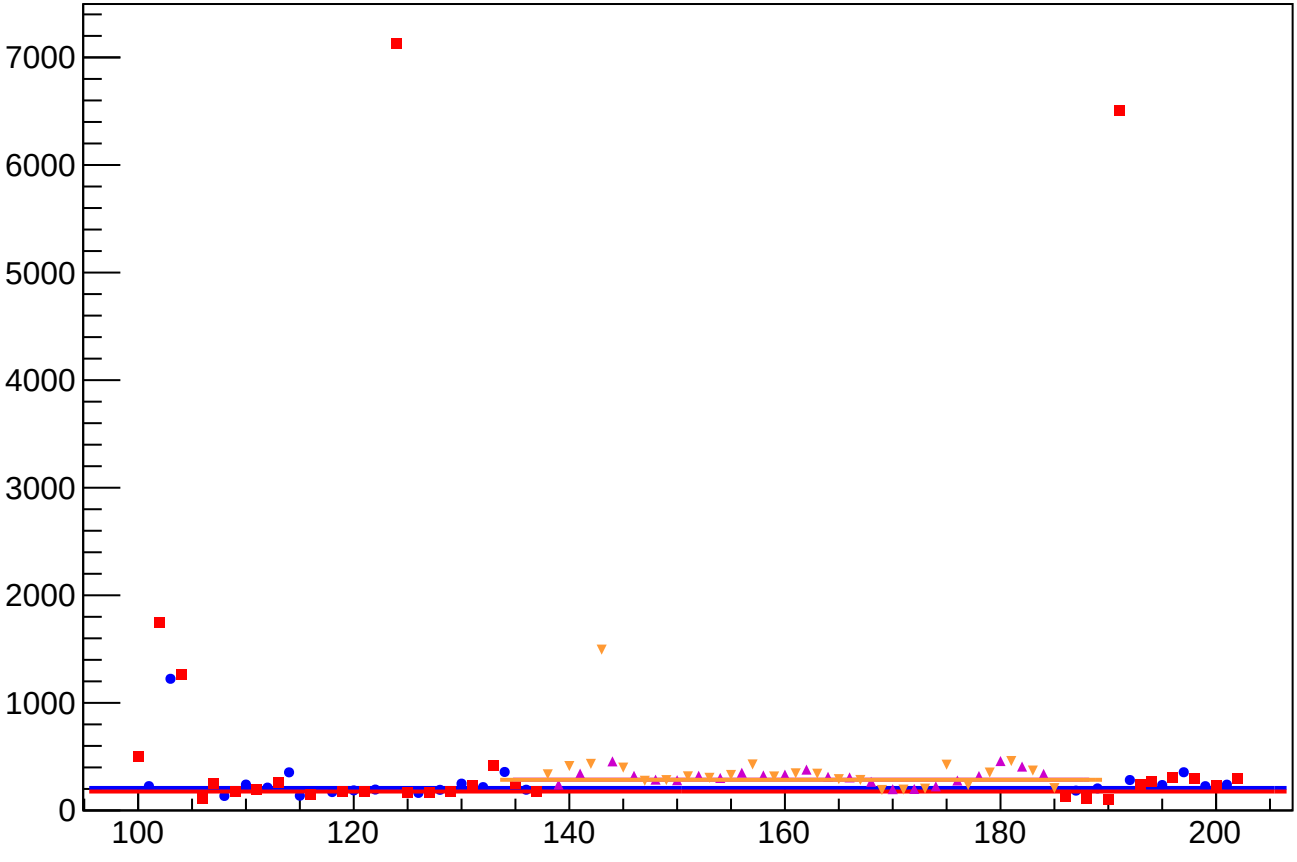
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.047 χ^2/NDF: 44.5/47

All: -0.014+/-0.032 χ^2/NDF: 107.2/99

- sign -0.006+/-0.043 χ^2/NDF: 62.6/51

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 209.129+/-0.045 χ^2/NDF: 1927731.7/22

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

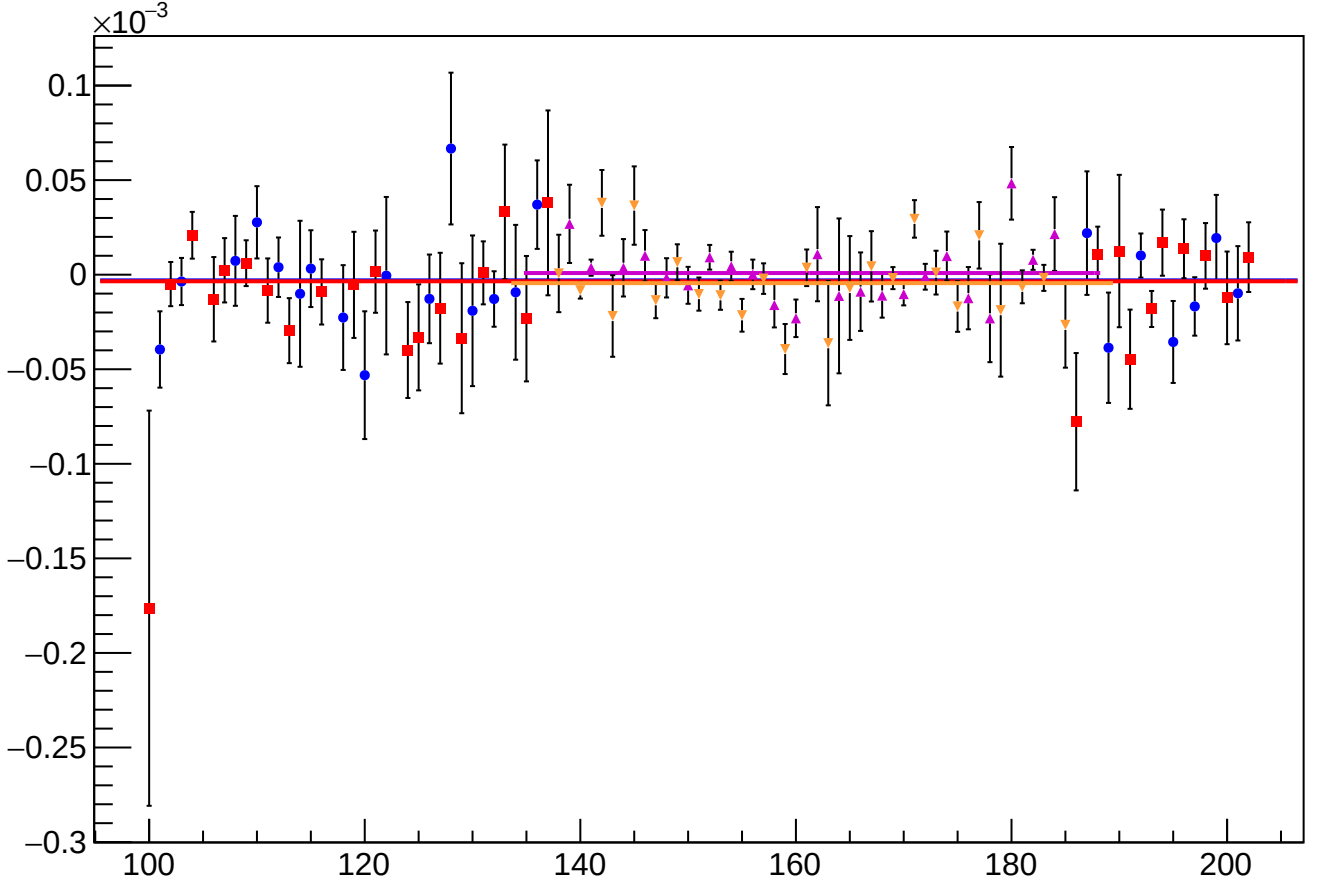
Right Out: 175.958+/-0.038 χ^2/NDF: 5060283.4/28

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.815+/-0.033 χ^2/NDF: 6618453.4/47

All: 228.566+/-0.022 χ^2/NDF: 16892709.0/99

- sign 216.153+/-0.030 χ^2/NDF: 9895555.3/51



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

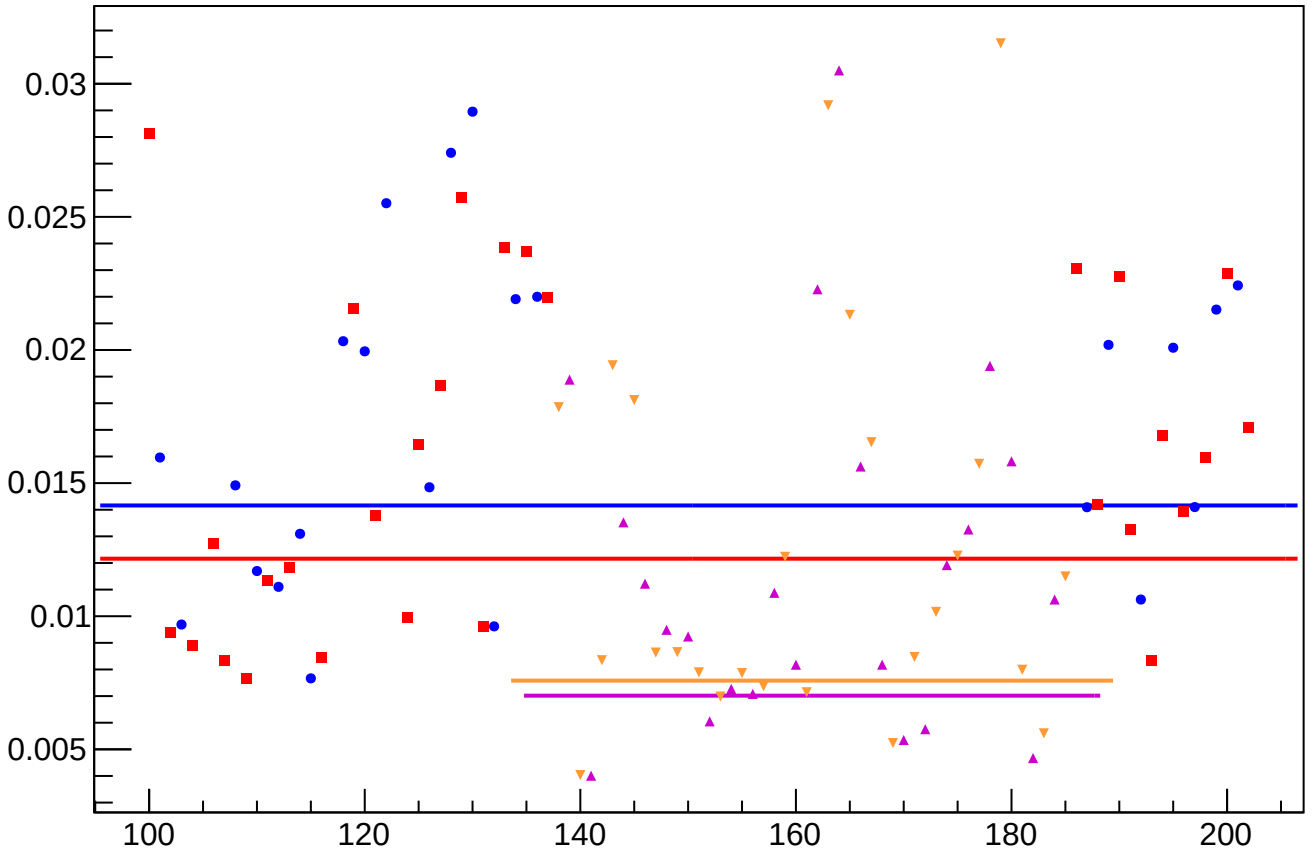
Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/28

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.3/47

All: -0.000+/-0.000 χ^2/NDF: 130.4/99

- sign -0.000+/-0.000 χ^2/NDF: 60.4/51



Right In: 0.014+/-0.000 χ^2/NDF: 2750032.9/22

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3462995.7/28

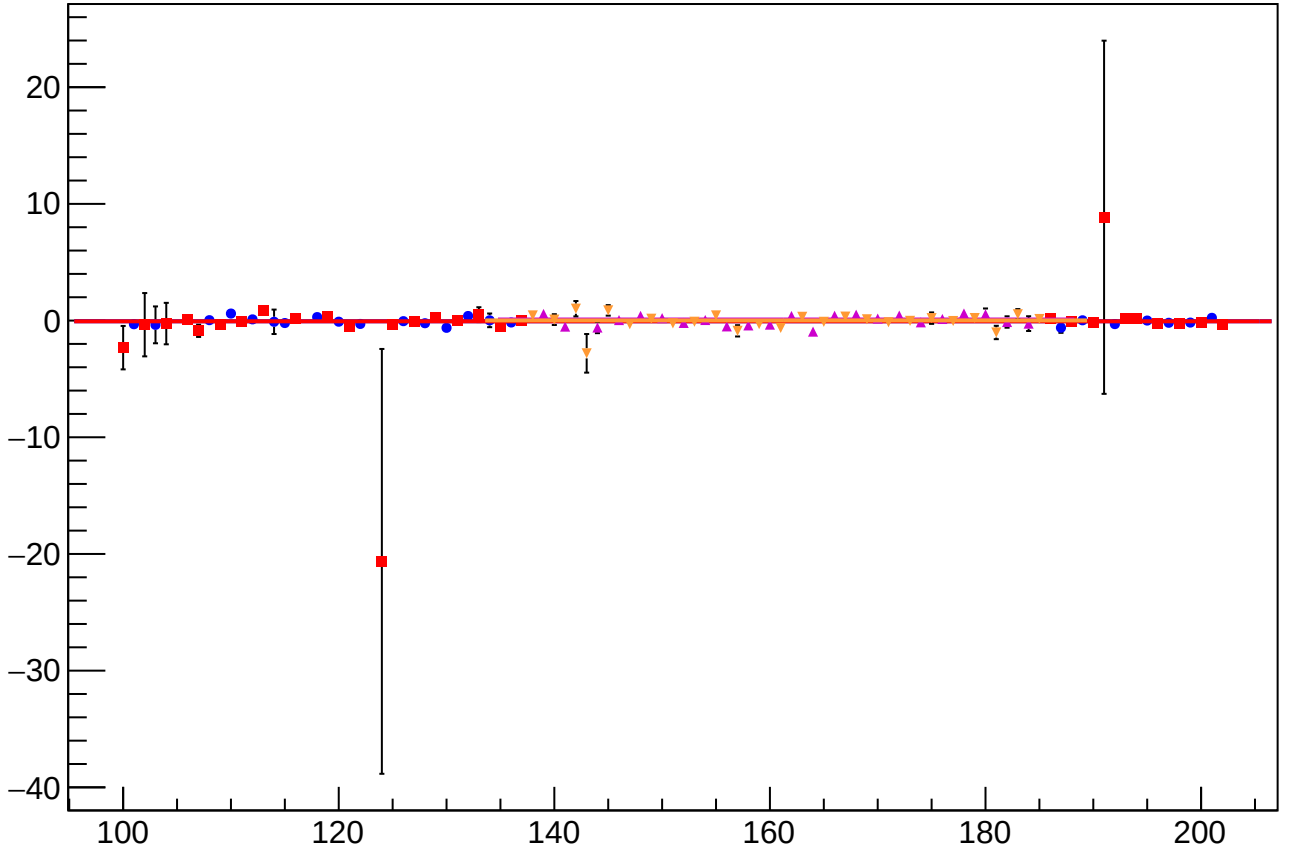
Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 13902701.6/47

All: 0.008+/-0.000 χ^2/NDF: 27589247.7/99

- sign 0.008+/-0.000 χ^2/NDF: 13608523.4/51

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.058+/-0.064 χ^2/NDF: 15.7/22

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.062+/-0.053 χ^2/NDF: 28.7/28

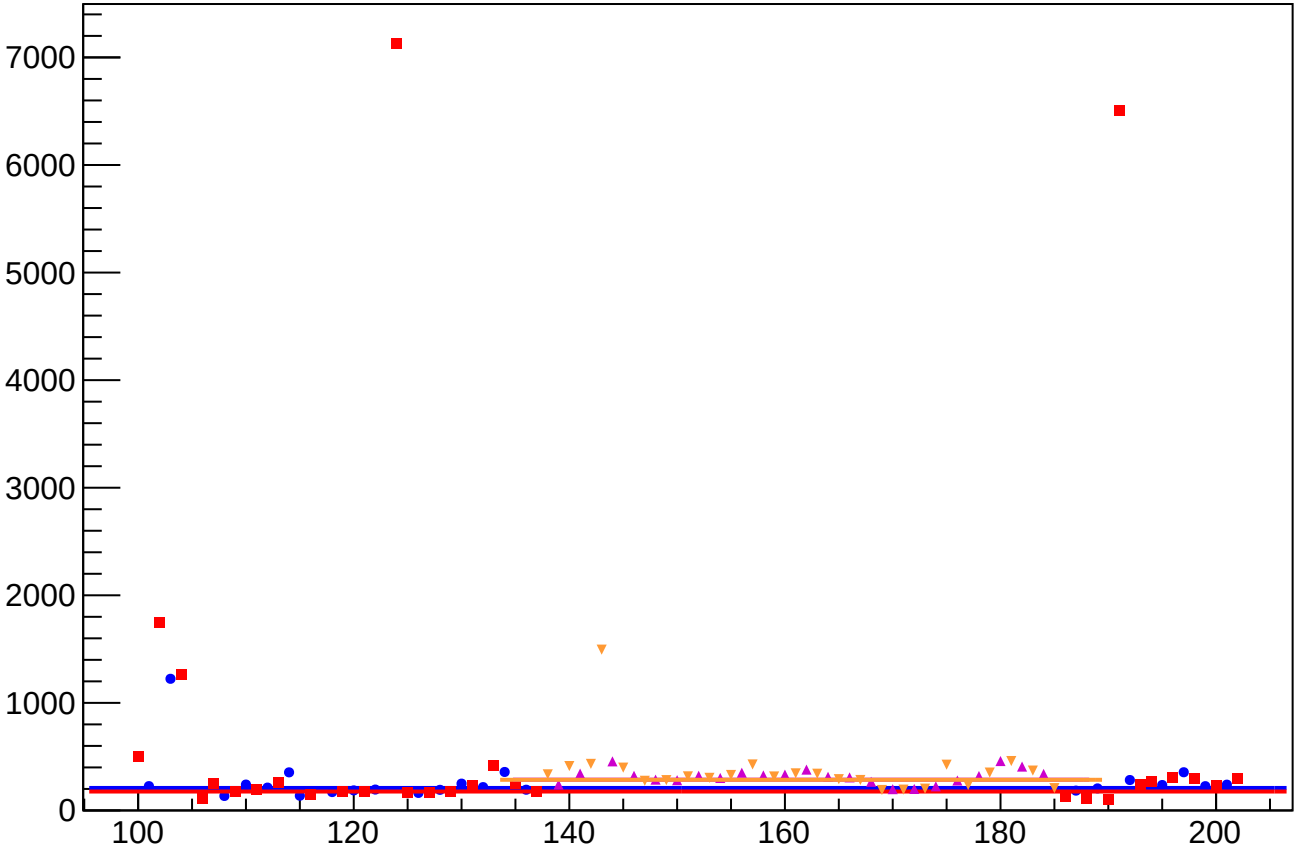
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.047 χ^2/NDF: 44.5/47

All: -0.014+/-0.032 χ^2/NDF: 107.2/99

- sign -0.006+/-0.043 χ^2/NDF: 62.6/51

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 209.127+/-0.045 χ^2/NDF: 1927726.1/22

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

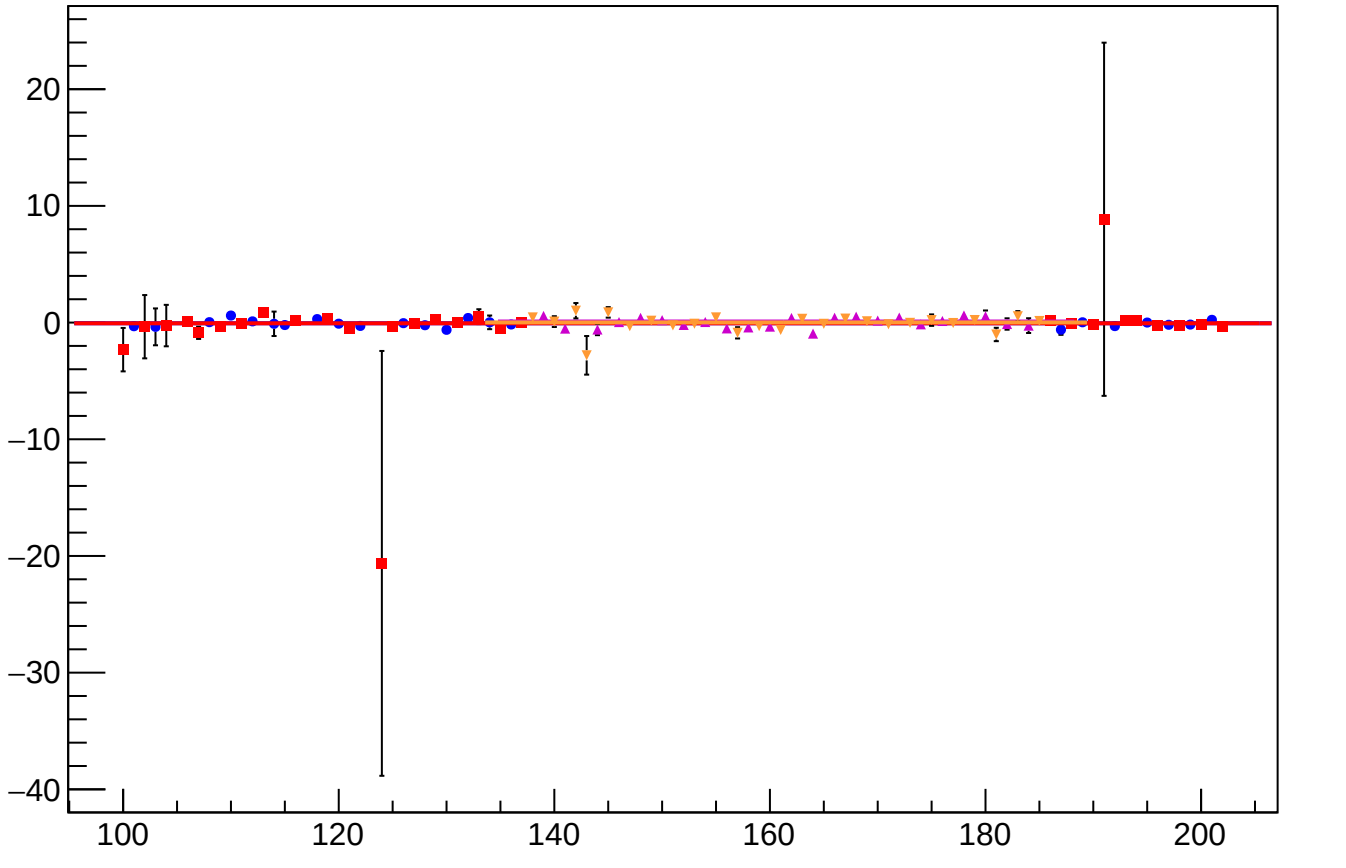
Right Out: 175.956+/-0.038 χ^2/NDF: 5060429.4/28

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.815+/-0.033 χ^2/NDF: 6618608.0/47

All: 228.565+/-0.022 χ^2/NDF: 16893381.7/99

- sign 216.152+/-0.030 χ^2/NDF: 9896022.0/51



Right In: -0.058+/-0.064 χ^2/NDF: 15.7/22

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

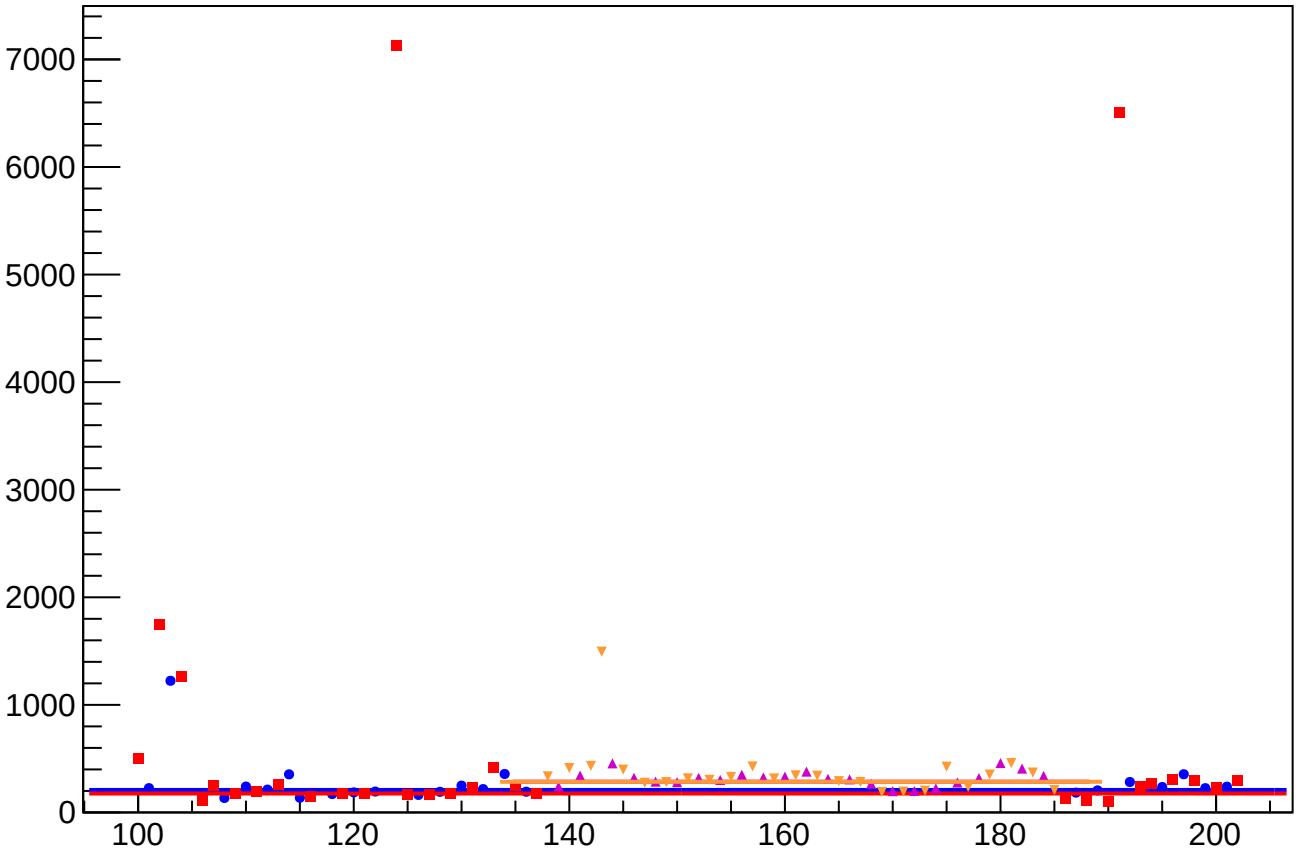
Right Out: -0.062+/-0.053 χ^2/NDF: 28.7/28

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.047 χ^2/NDF: 44.5/47

All: -0.014+/-0.032 χ^2/NDF: 107.2/99

- sign -0.006+/-0.043 χ^2/NDF: 62.6/51



Right In: 209.127+/-0.045 χ^2/NDF: 1927726.1/22

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 175.956+/-0.038 χ^2/NDF: 5060429.4/28

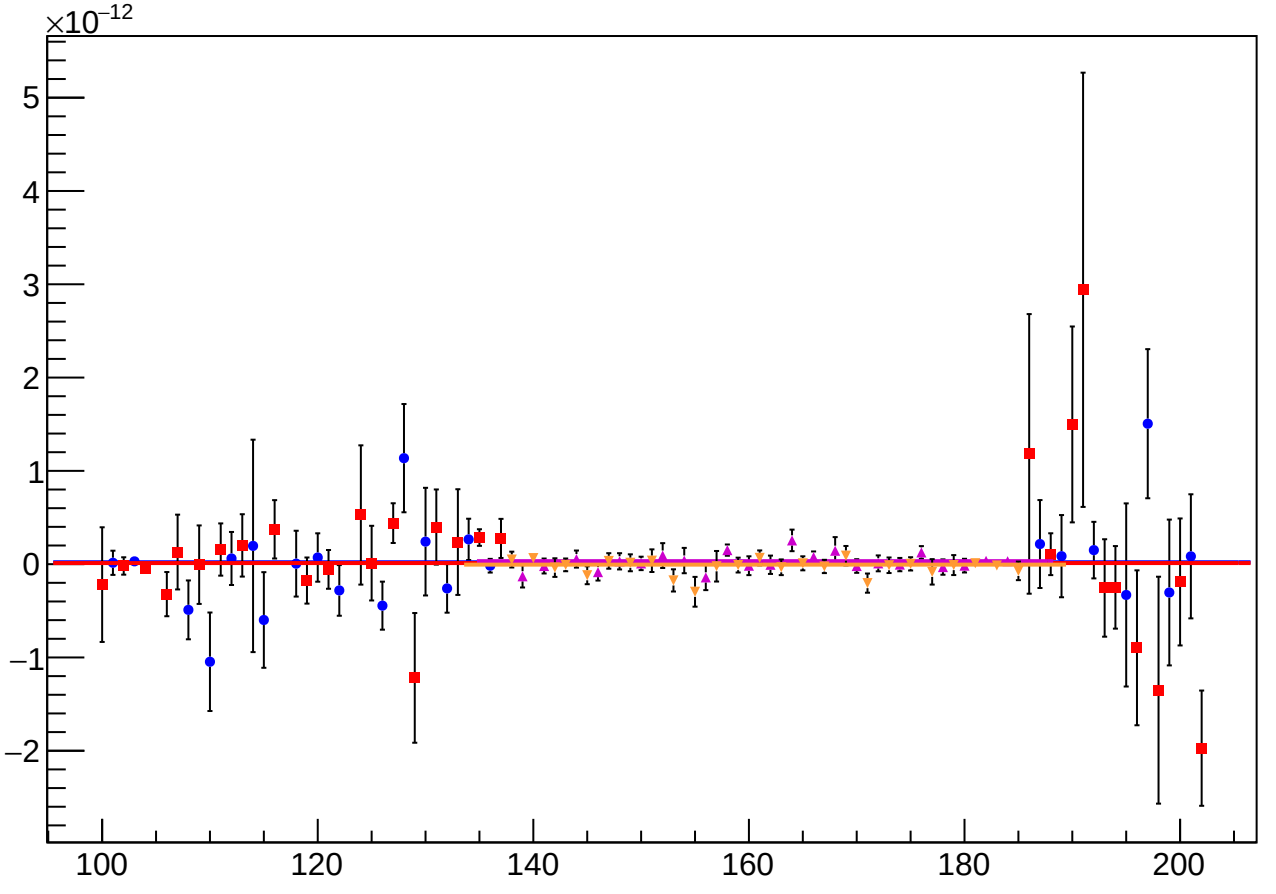
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.815+/-0.033 χ^2/NDF: 6618608.0/47

All: 228.565+/-0.022 χ^2/NDF: 16893381.7/99

- sign 216.152+/-0.030 χ^2/NDF: 9896022.0/51

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

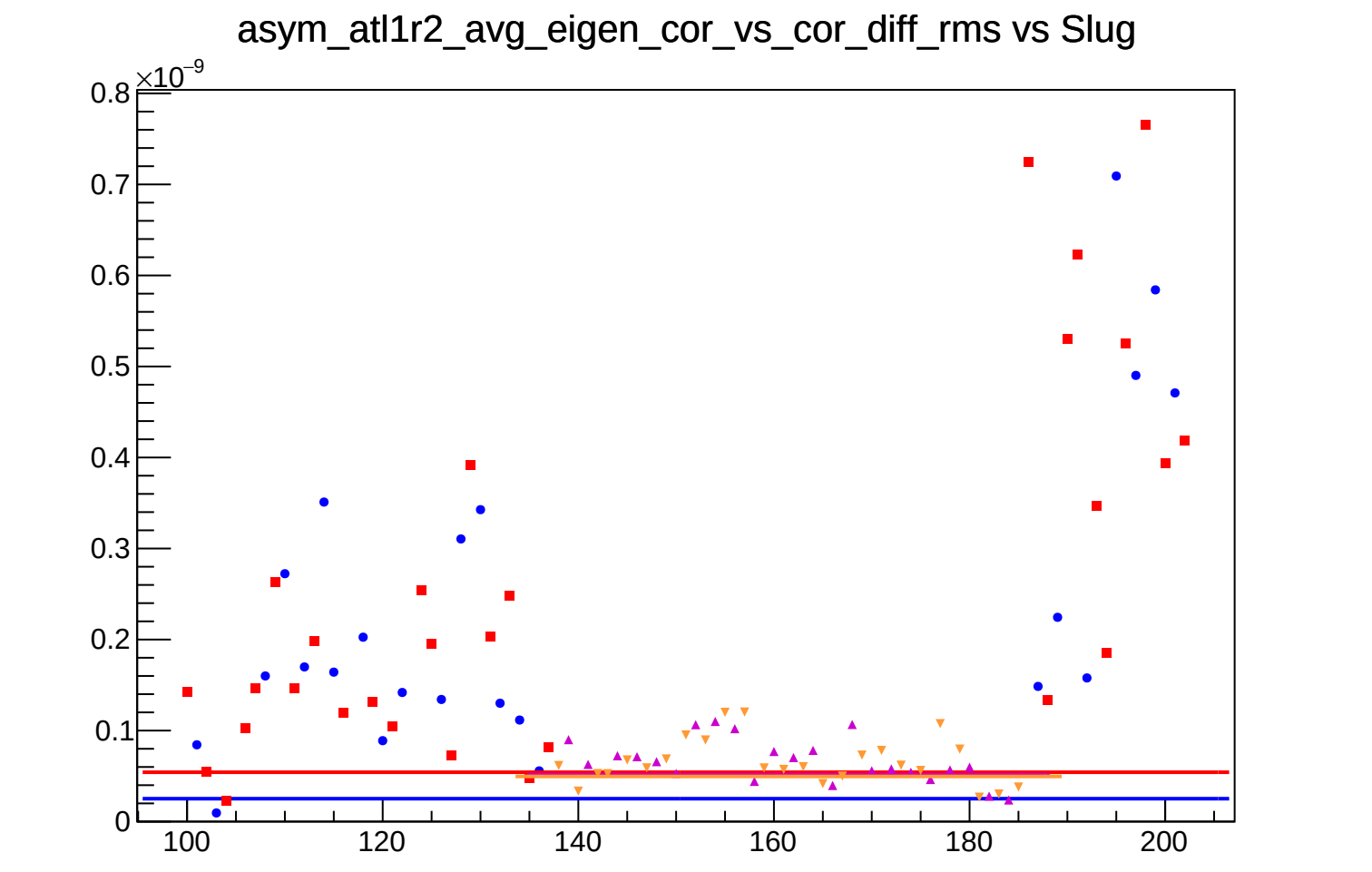
Right Out: 0.000+/-0.000 χ^2/NDF: 45.0/28

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

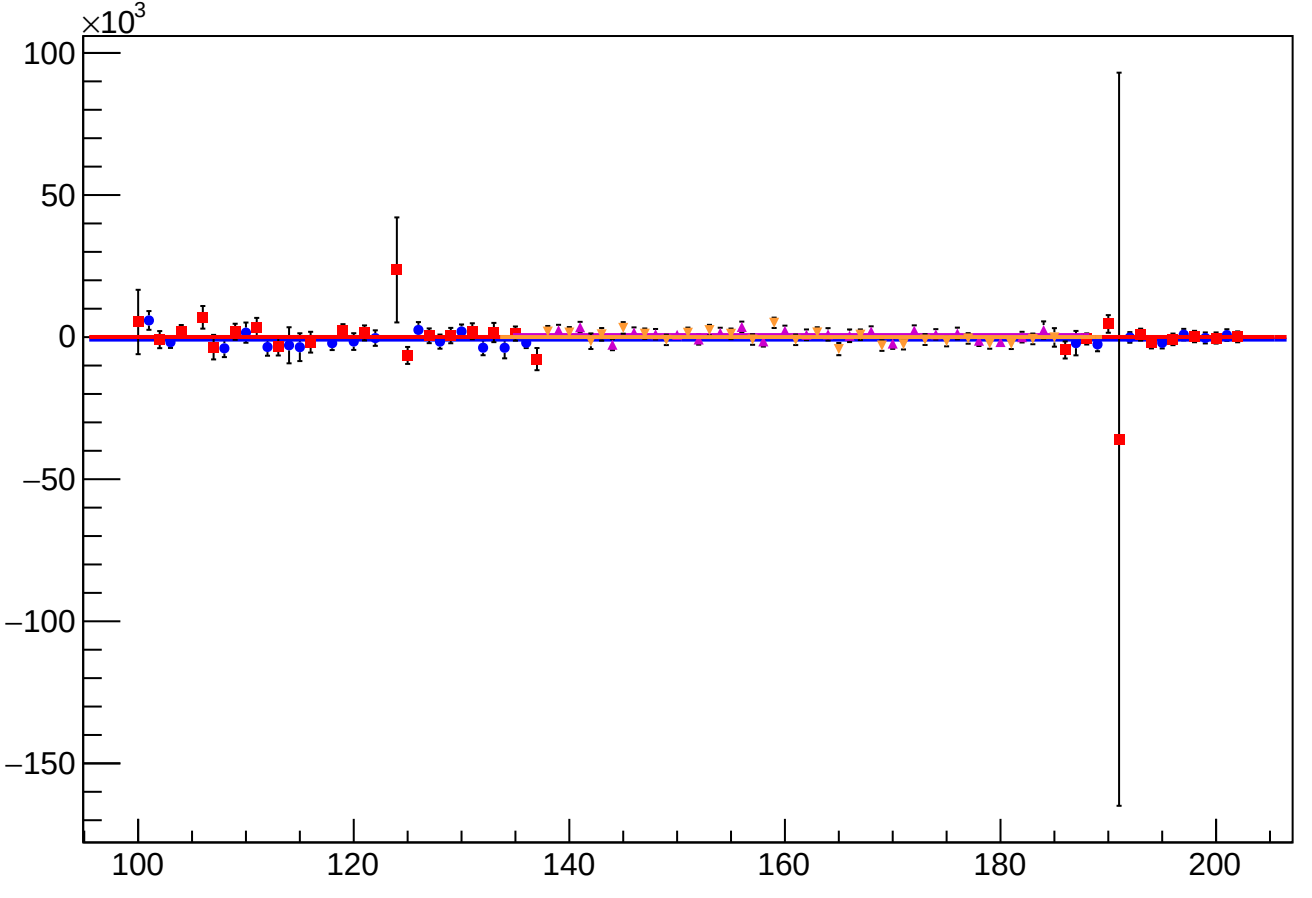
+ sign 0.000+/-0.000 χ^2/NDF: 41.1/47

All: 0.000+/-0.000 χ^2/NDF: 106.9/99

- sign 0.000+/-0.000 χ^2/NDF: 64.1/51


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 10945244.3/22
Left Out: 0.000+/-0.000 χ²/NDF:3882649.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 8840178.8/28
Left In: 0.000+/-0.000 χ²/NDF:3659712.8/22
+ sign 0.000+/-0.000 χ²/NDF: 16679931.3/47
All: 0.000+/-0.000 χ²/NDF: 29892497.1/99
- sign 0.000+/-0.000 χ²/NDF: 12513208.7/51

reg_asym_atl1r2_dd_mean vs Slug



Right In: -872.094+/-528.044 χ^2/NDF: 14.9/22

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 50.101+/-500.054 χ^2/NDF: 26.6/28

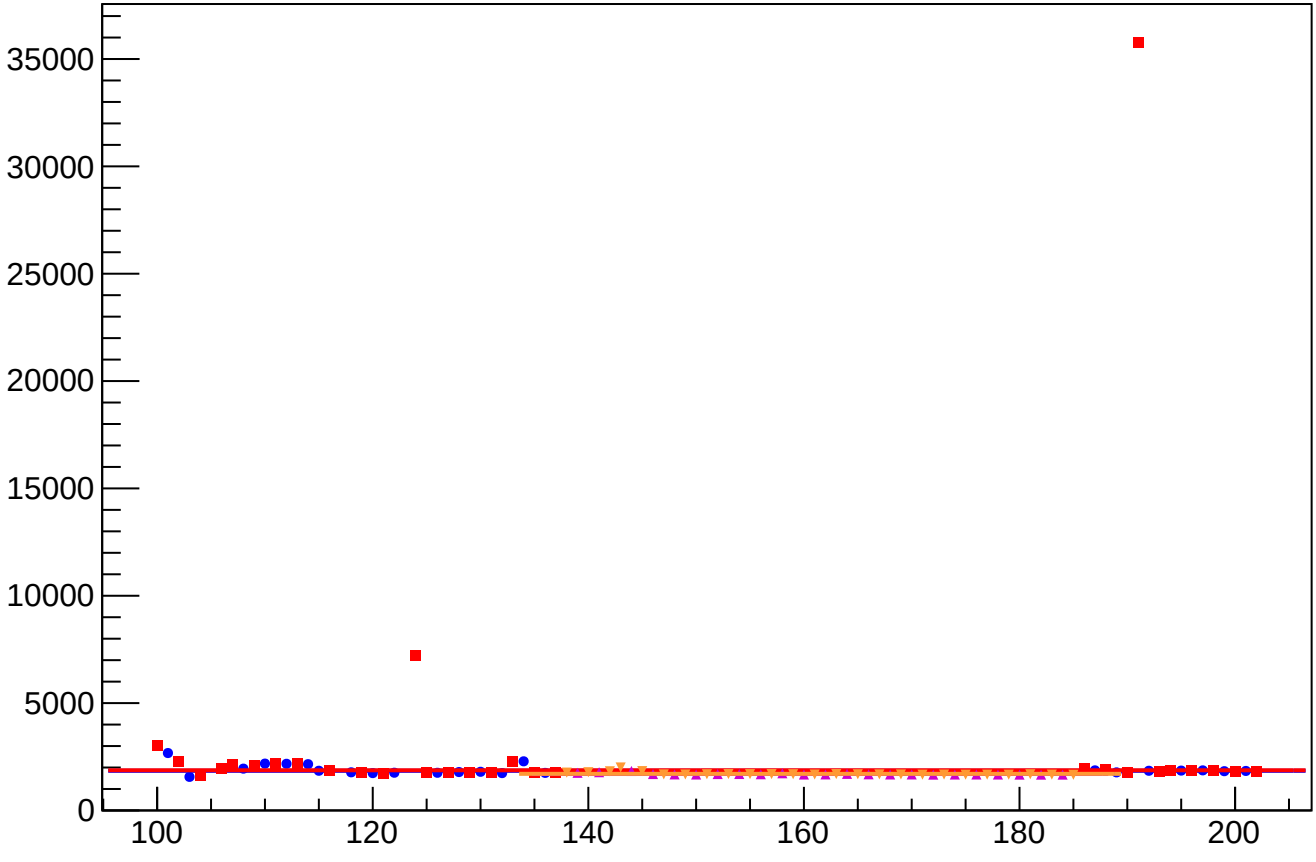
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -290.475+/-312.528 χ^2/NDF: 46.2/47

All: 87.586+/-220.328 χ^2/NDF: 95.9/99

- sign 461.143+/-310.661 χ^2/NDF: 46.8/51

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1846.675+/-0.373 χ^2/NDF: 262348.1/22

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1871.479+/-0.353 χ^2/NDF: 513840.3/28

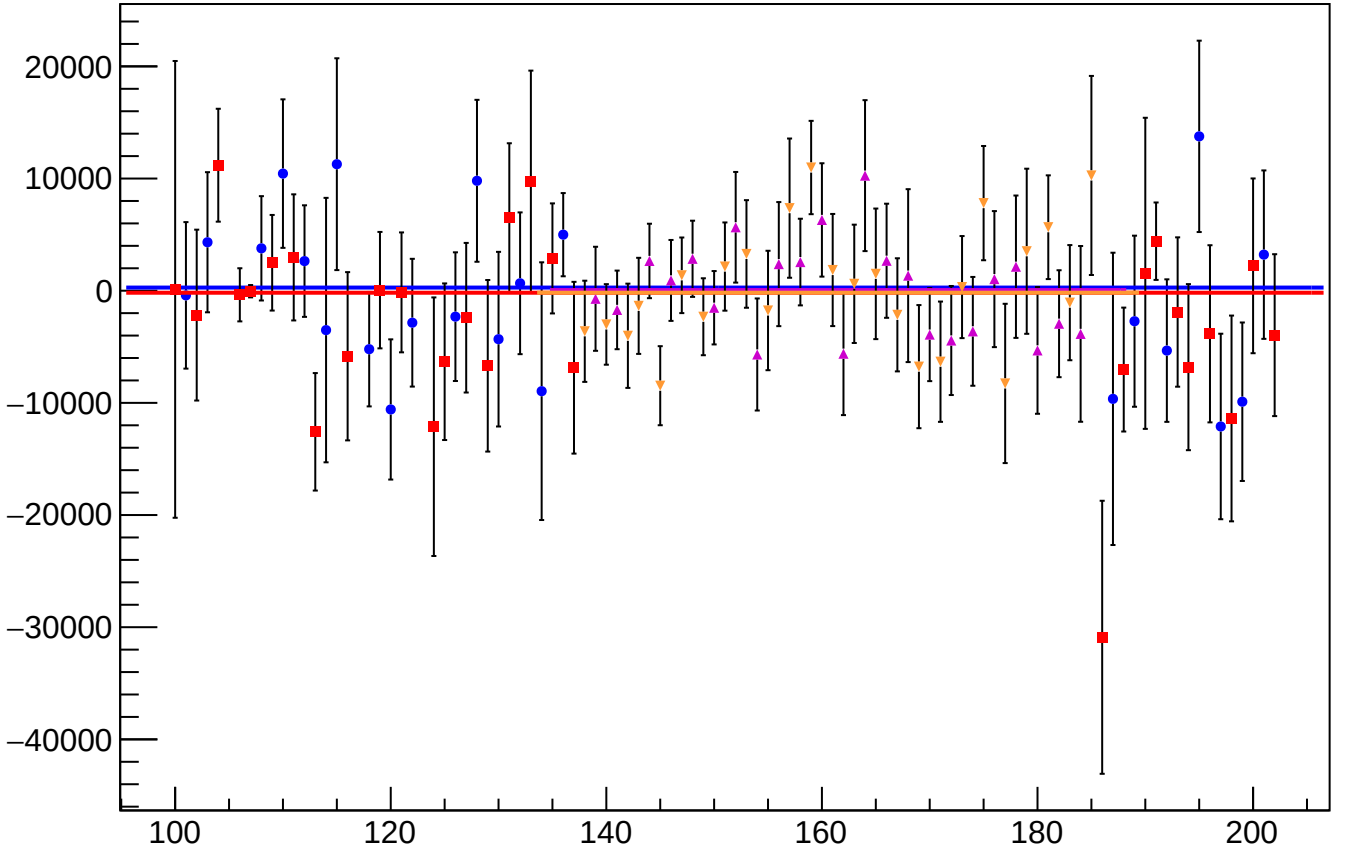
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1755.041+/-0.221 χ^2/NDF: 414978.7/47

All: 1759.928+/-0.156 χ^2/NDF: 1099783.8/99

- sign 1764.753+/-0.220 χ^2/NDF: 683833.1/51

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 279.797+/-1339.678 χ^2/NDF: 22.6/22

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -180.628+/-491.264 χ^2/NDF: 30.6/28

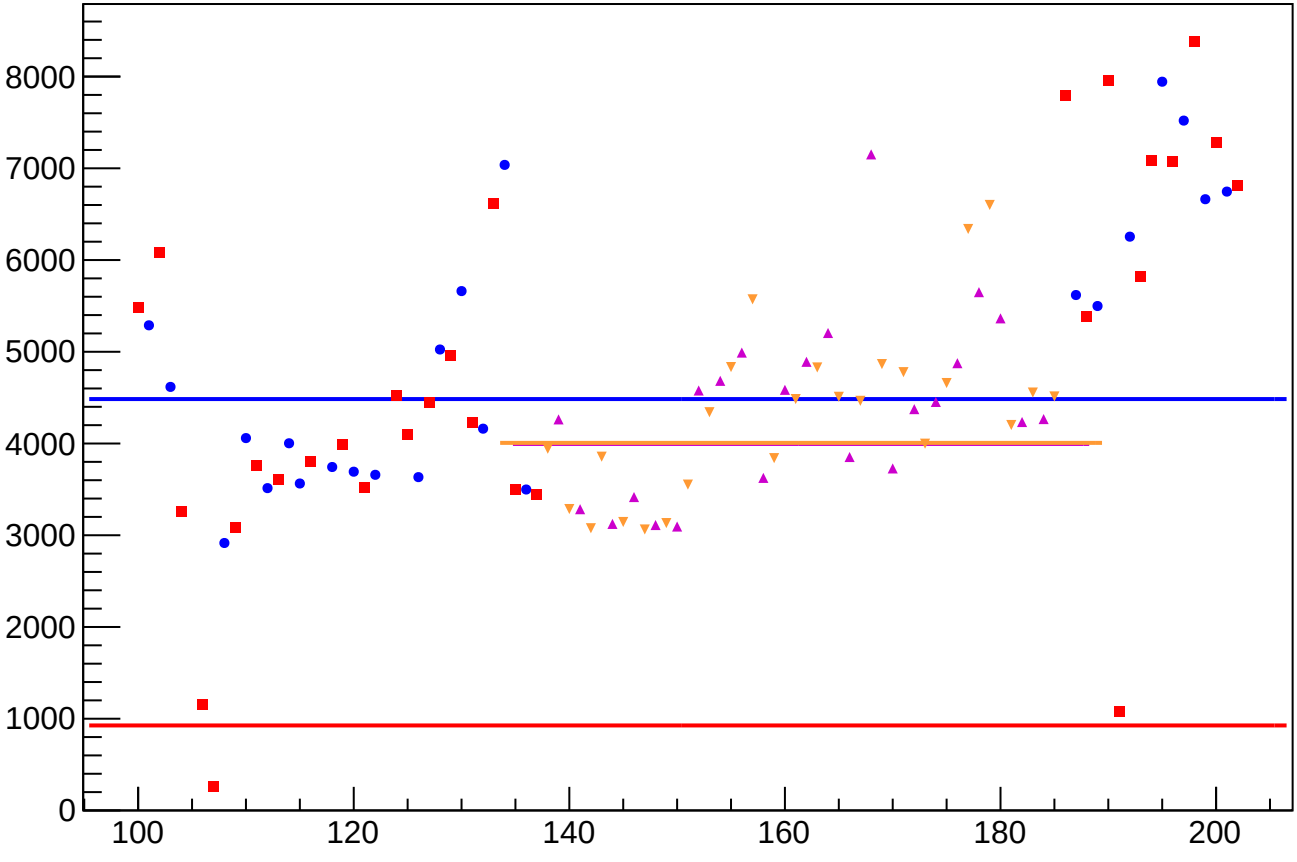
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign -26.523+/-766.805 χ^2/NDF: 50.6/47

All: -105.489+/-379.663 χ^2/NDF: 95.6/99

- sign -131.134+/-436.985 χ^2/NDF: 45.0/51

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4484.550+/-0.947 χ^2/NDF: 2003982.2/22

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 926.667+/-0.347 χ^2/NDF: 21121872.2/28

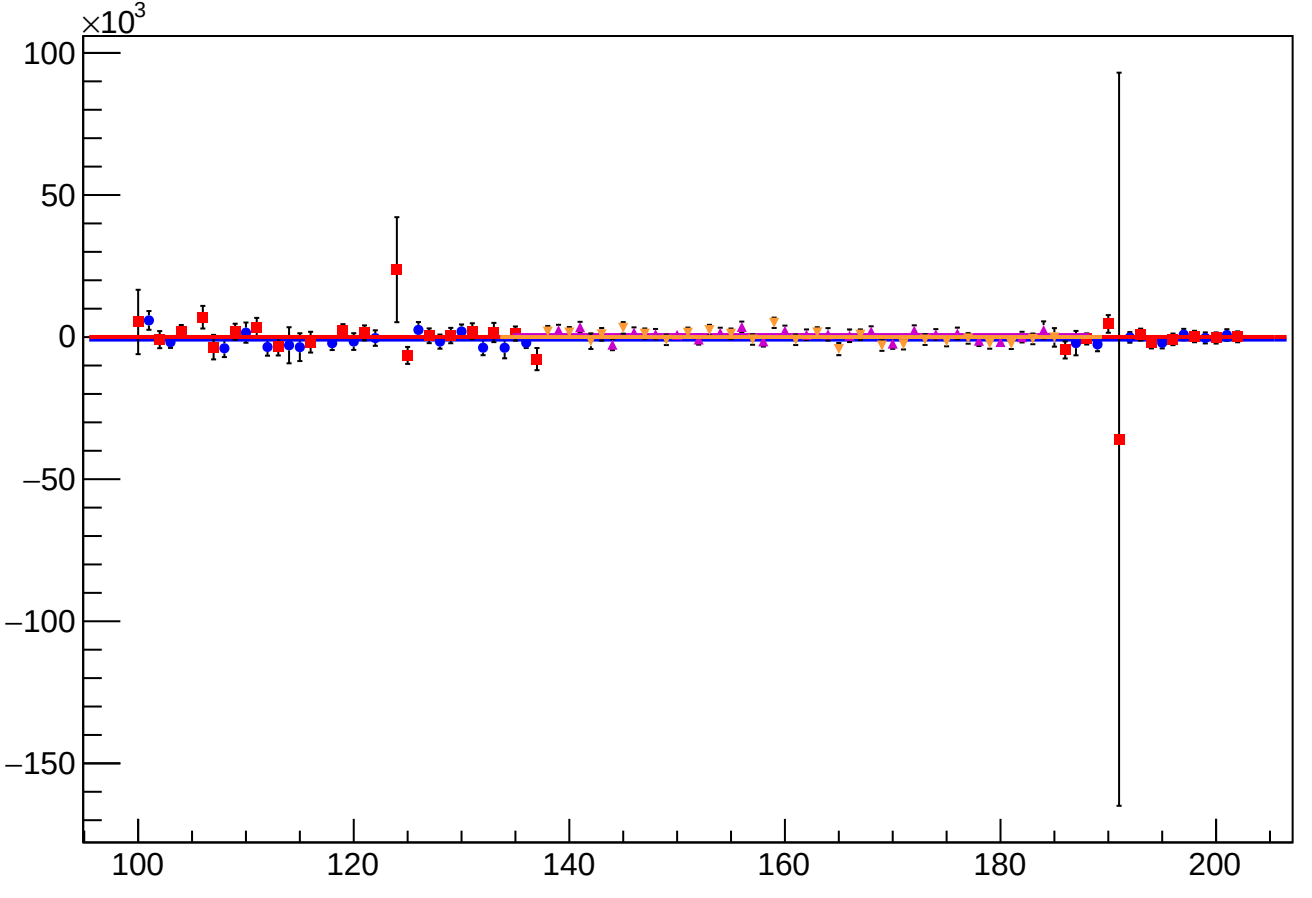
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4163.453+/-0.542 χ^2/NDF: 3678537.9/47

All: 2203.687+/-0.268 χ^2/NDF: 59932711.4/9

- sign 1567.232+/-0.309 χ^2/NDF: 38947791.9/51

cor_asym_atl1r2_dd_mean vs Slug



Right In: -871.854+/-528.044 χ^2/NDF: 14.9/22

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 50.262+/-500.054 χ^2/NDF: 26.6/28

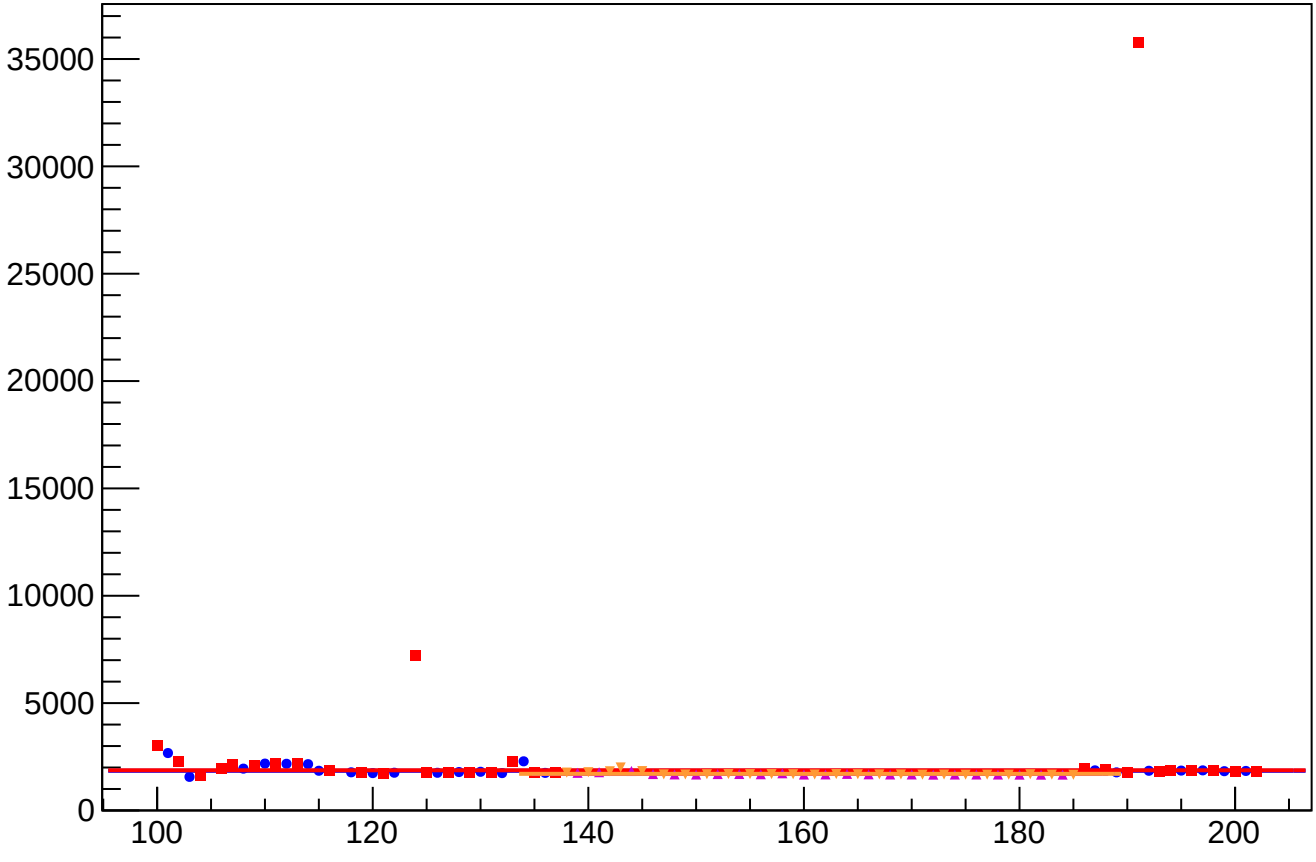
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -290.345+/-312.528 χ^2/NDF: 46.2/47

All: 87.643+/-220.328 χ^2/NDF: 95.9/99

- sign 461.129+/-310.661 χ^2/NDF: 46.8/51

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1846.675+/-0.373 χ^2/NDF: 262347.2/22

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1871.705+/-0.353 χ^2/NDF: 514126.5/28

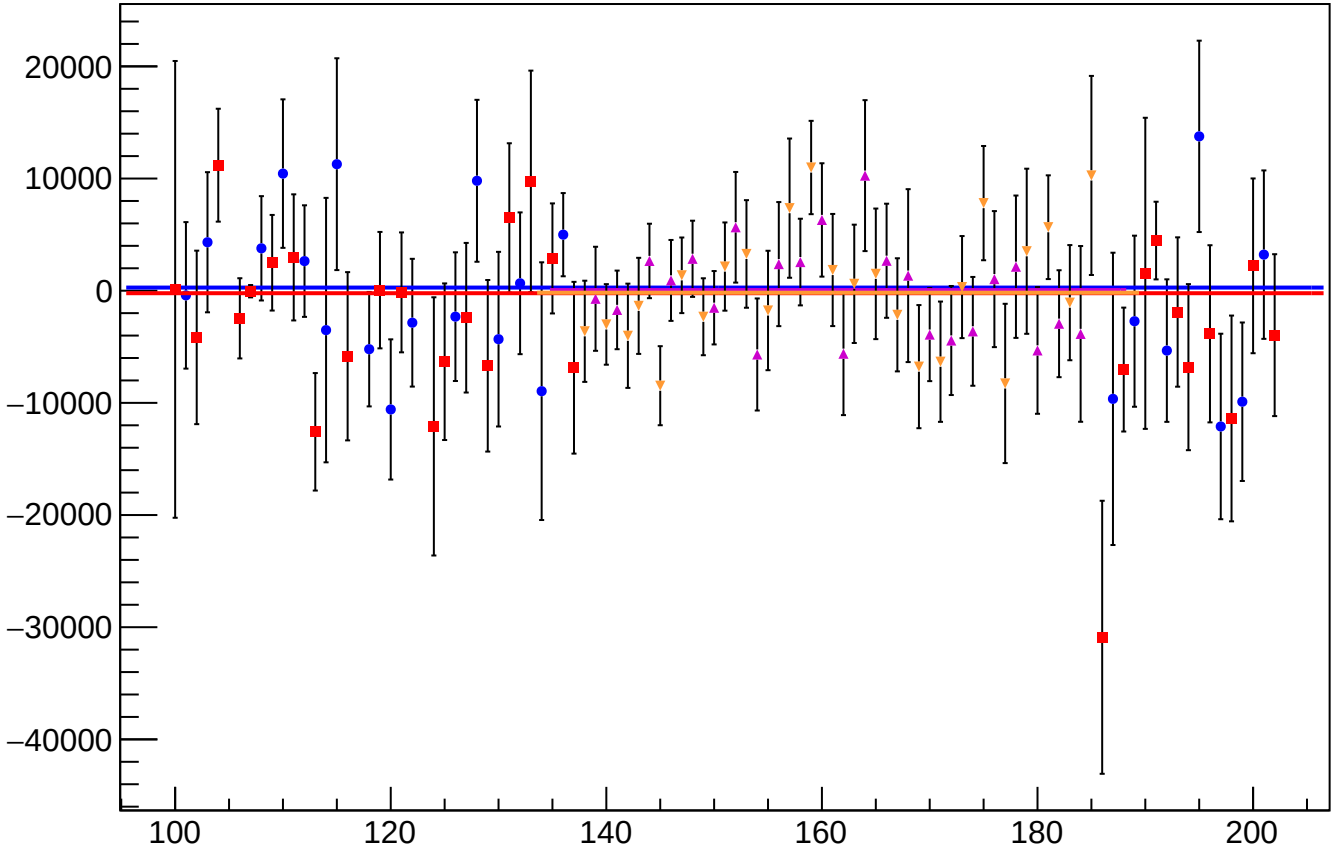
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1755.041+/-0.221 χ^2/NDF: 414978.1/47

All: 1759.967+/-0.156 χ^2/NDF: 1100451.7/99

- sign 1764.831+/-0.220 χ^2/NDF: 684485.9/51

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 279.767+/-1339.682 χ^2/NDF: 22.6/22

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -223.466+/-497.335 χ^2/NDF: 31.2/28

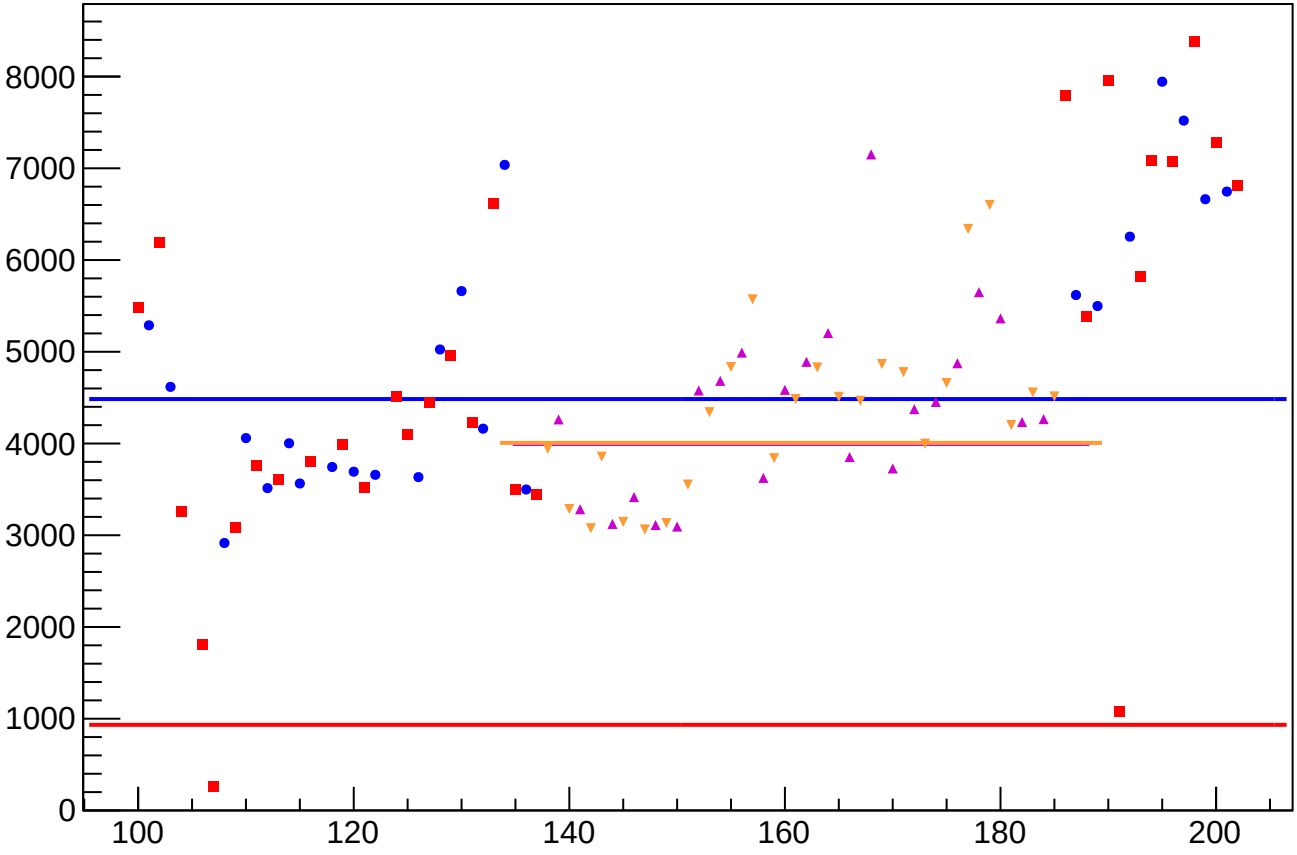
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -26.519+/-766.805 χ^2/NDF: 50.6/47

All: -129.726+/-382.444 χ^2/NDF: 96.2/99

- sign -163.900+/-441.242 χ^2/NDF: 45.6/51

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4484.561+/-0.947 χ^2/NDF: 2003996.2/22

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 933.403+/-0.352 χ^2/NDF: 21236201.7/28

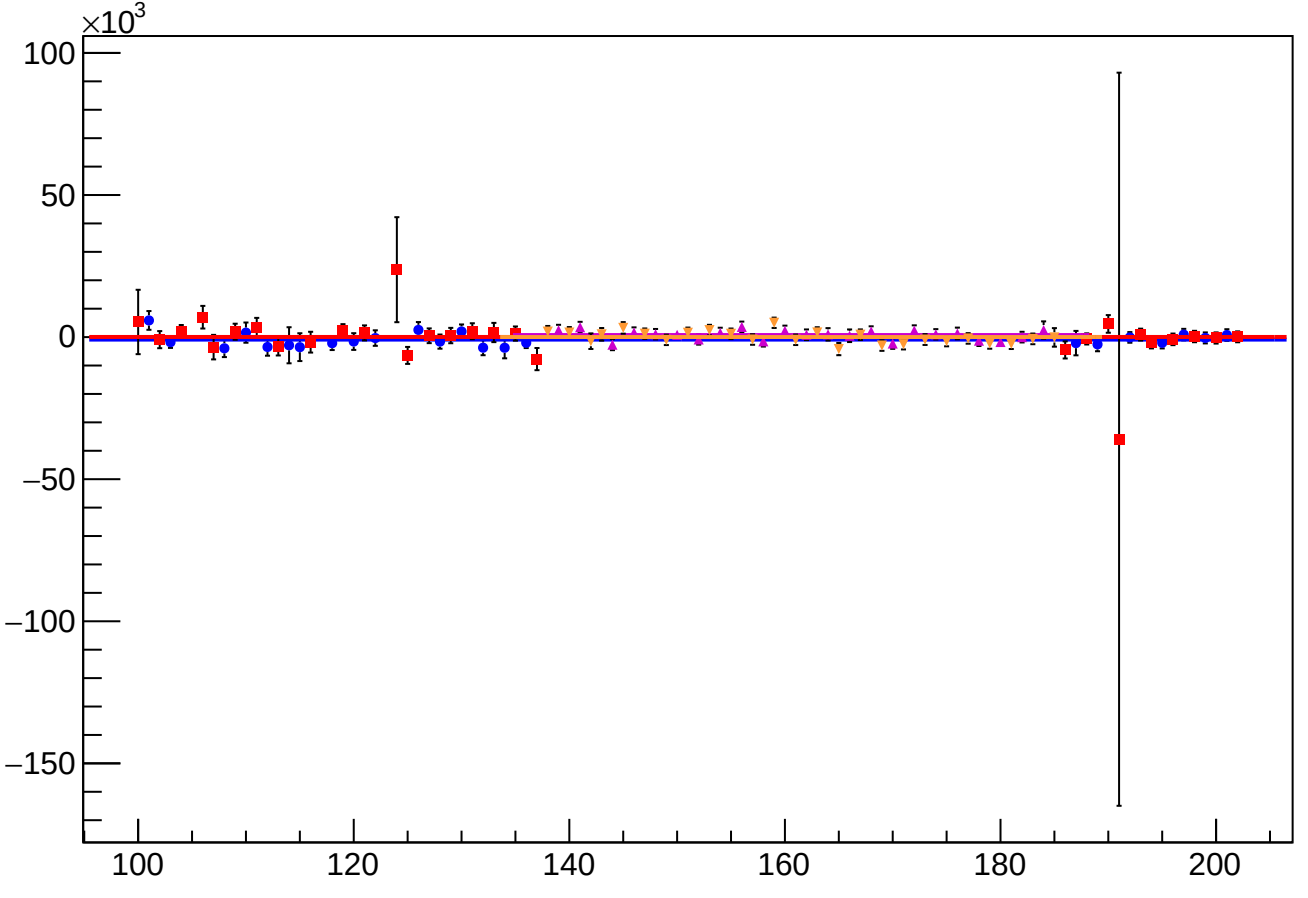
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4163.451+/-0.542 χ^2/NDF: 3678585.1/47

All: 2226.451+/-0.270 χ^2/NDF: 59573246.2/9

- sign 1585.075+/-0.312 χ^2/NDF: 38906907.1/51

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -871.854+/-528.044 χ^2/NDF: 14.9/22

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 50.262+/-500.054 χ^2/NDF: 26.6/28

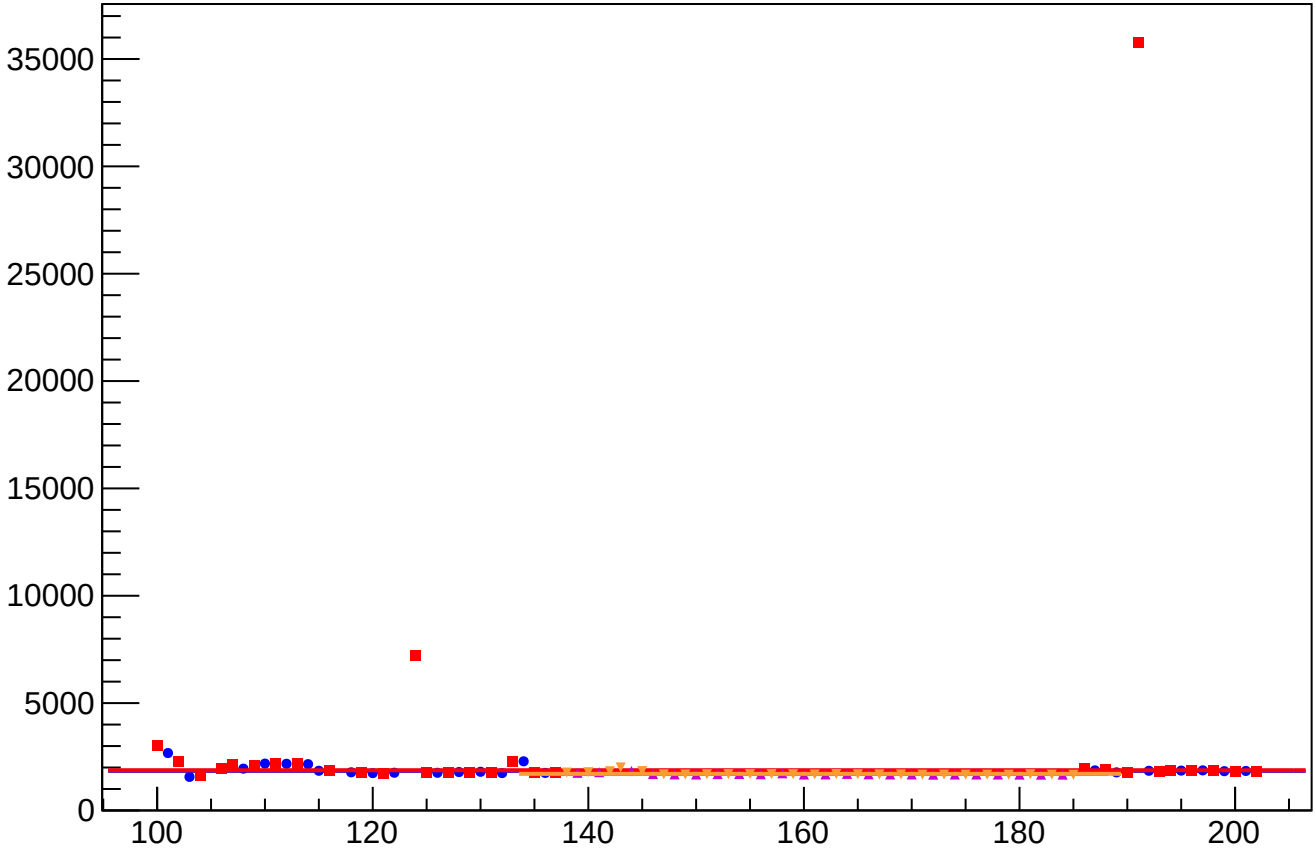
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -290.345+/-312.528 χ^2/NDF: 46.2/47

All: 87.643+/-220.328 χ^2/NDF: 95.9/99

- sign 461.129+/-310.661 χ^2/NDF: 46.8/51

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1846.675+/-0.373 χ^2/NDF: 262347.2/22

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

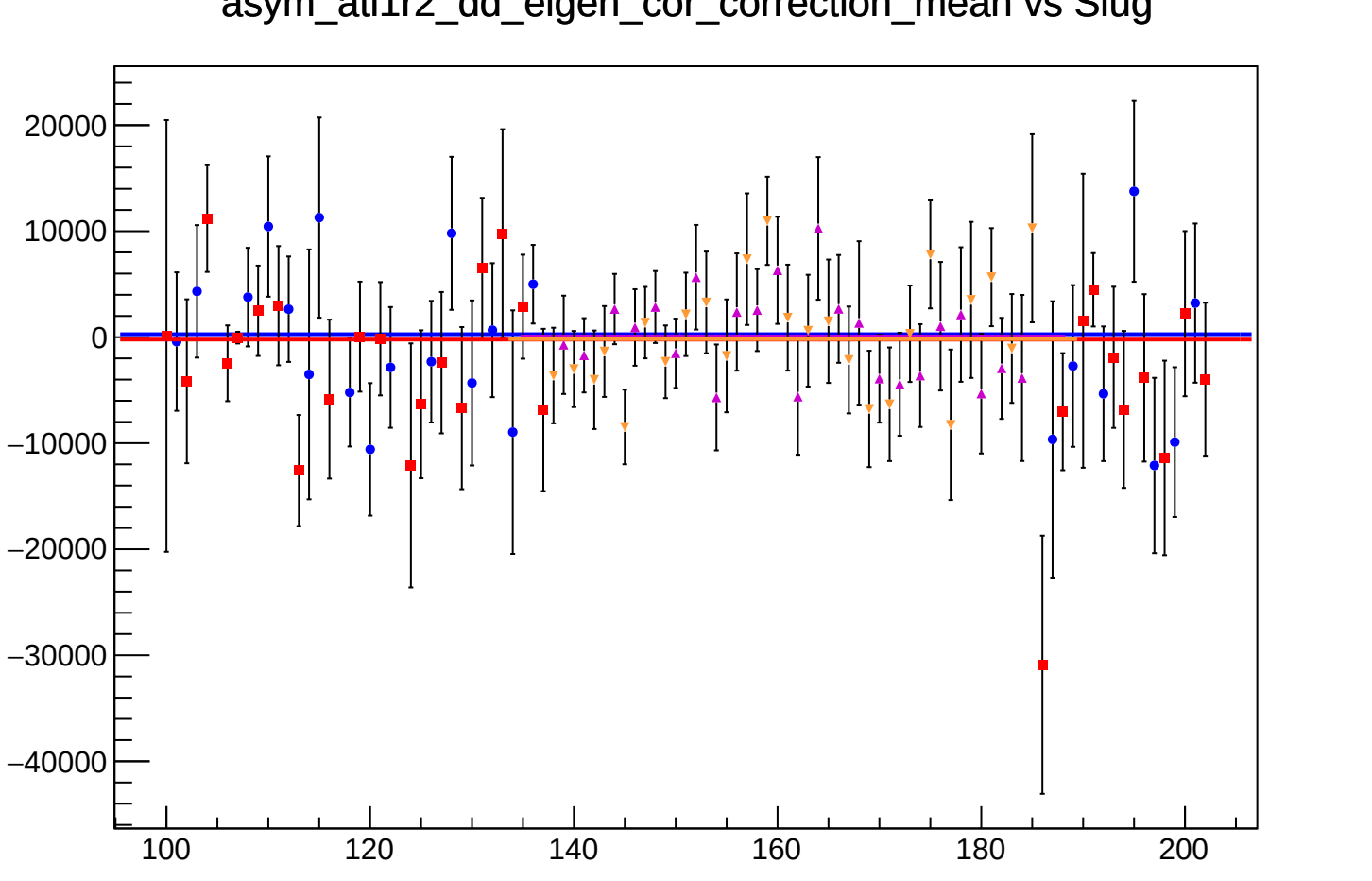
Right Out: 1871.705+/-0.353 χ^2/NDF: 514126.5/28

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1755.041+/-0.221 χ^2/NDF: 414978.1/47

All: 1759.967+/-0.156 χ^2/NDF: 1100451.7/99

- sign 1764.831+/-0.220 χ^2/NDF: 684485.9/51



Right In: 279.767+/-1339.682 χ^2/NDF: 22.6/22

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -223.466+/-497.335 χ^2/NDF: 31.2/28

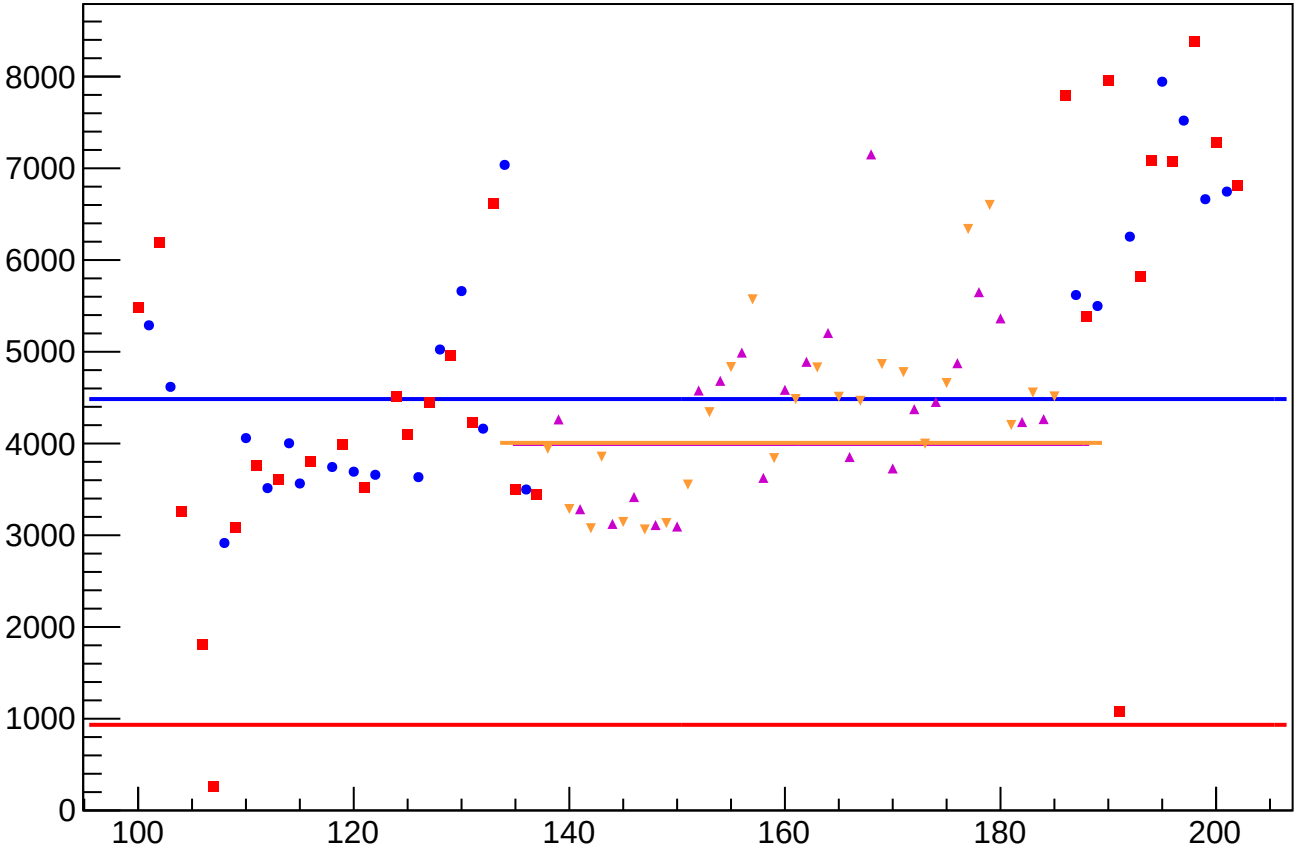
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -26.519+/-766.805 χ^2/NDF: 50.6/47

All: -129.726+/-382.444 χ^2/NDF: 96.2/99

- sign -163.900+/-441.242 χ^2/NDF: 45.6/51

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4484.561+/-0.947 χ^2/NDF: 2003996.2/22

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 933.403+/-0.352 χ^2/NDF: 21236201.7/28

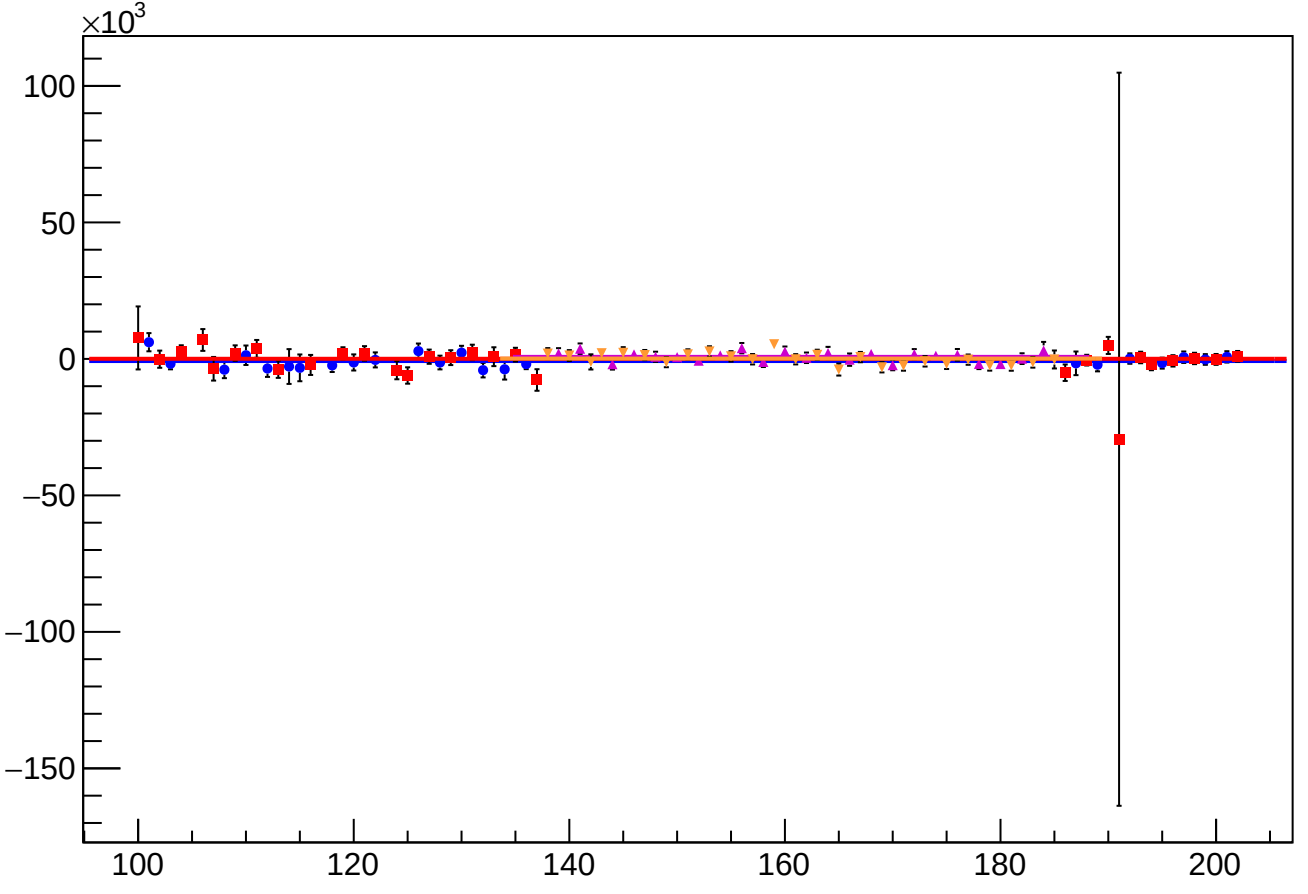
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4163.451+/-0.542 χ^2/NDF: 3678585.1/47

All: 2226.451+/-0.270 χ^2/NDF: 59573246.2/9

- sign 1585.075+/-0.312 χ^2/NDF: 38906907.1/51

dit_asym_atl1r2_dd_mean vs Slug



Right In: -784.803+/-534.027 χ^2/NDF: 15.2/22

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 44.083+/-501.576 χ^2/NDF: 28.2/28

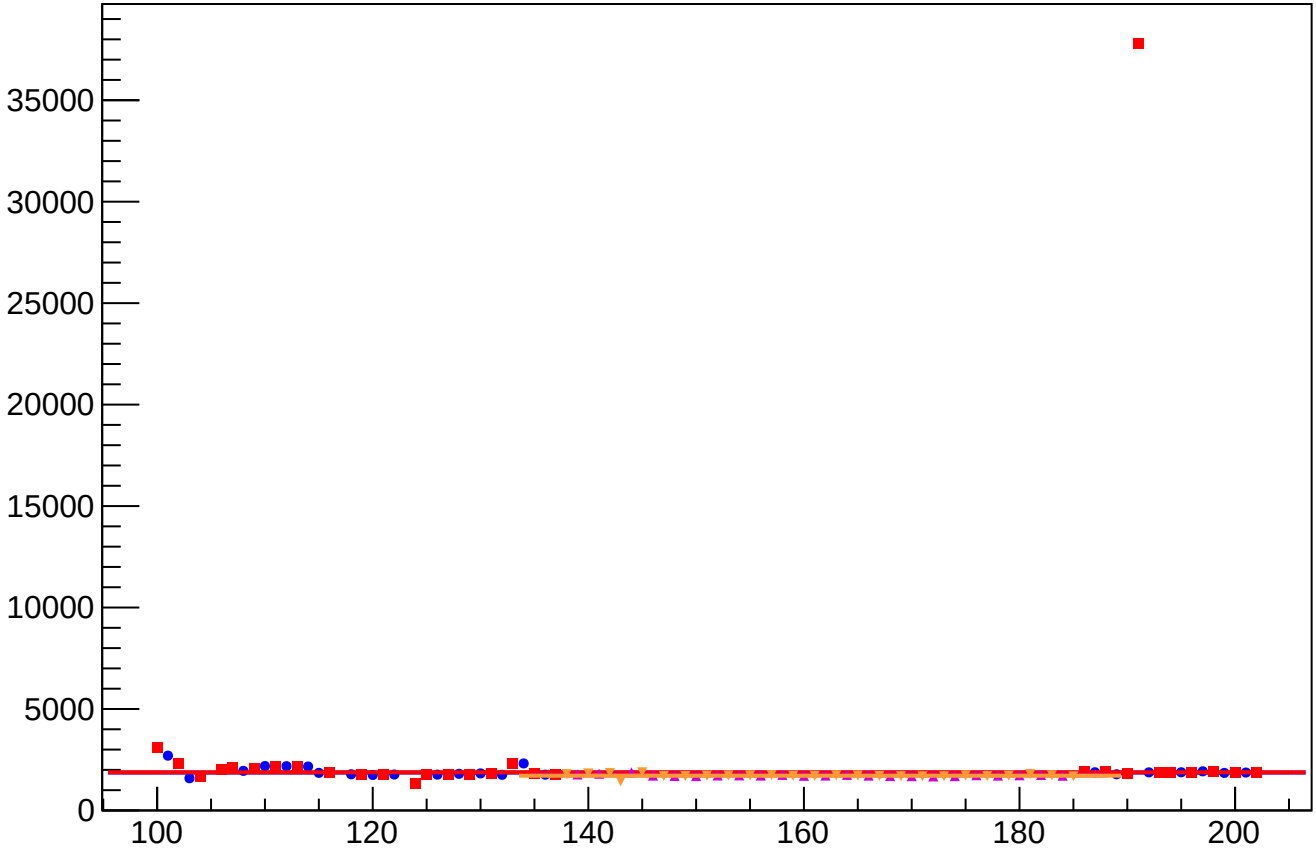
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

\+ sign -194.172+/-314.667 χ^2/NDF: 46.7/47

All: 136.250+/-222.517 χ^2/NDF: 97.3/99

\- sign 466.756+/-314.707 χ^2/NDF: 48.4/51

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1867.398+/-0.378 χ^2/NDF: 260627.1/22

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1879.685+/-0.355 χ^2/NDF: 409785.7/28

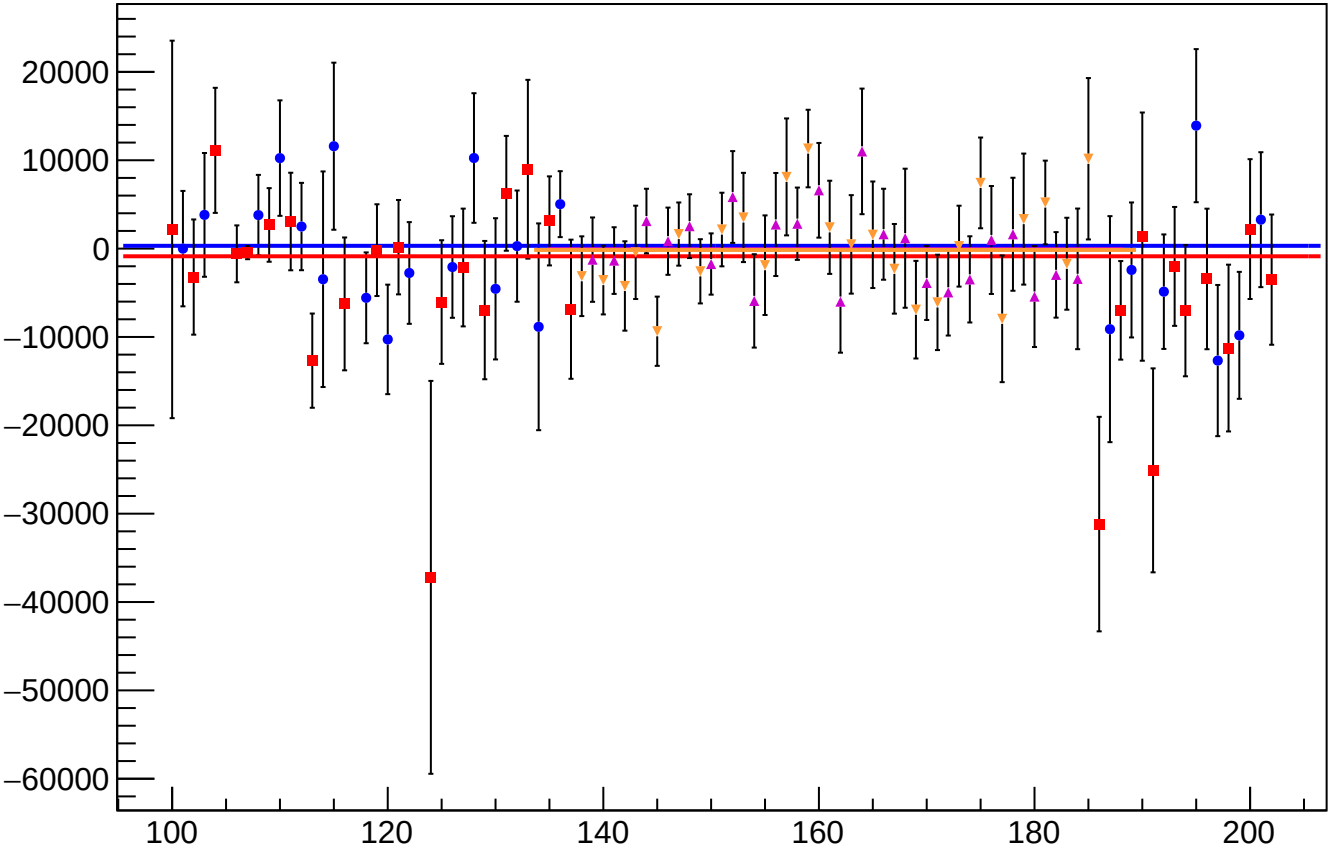
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1766.156+/-0.223 χ^2/NDF: 465140.8/47

All: 1777.661+/-0.157 χ^2/NDF: 1010910.9/99

- sign 1789.165+/-0.222 χ^2/NDF: 540423.1/51

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 315.292+/-1351.030 χ^2/NDF: 22.2/22

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -868.640+/-637.679 χ^2/NDF: 31.4/28

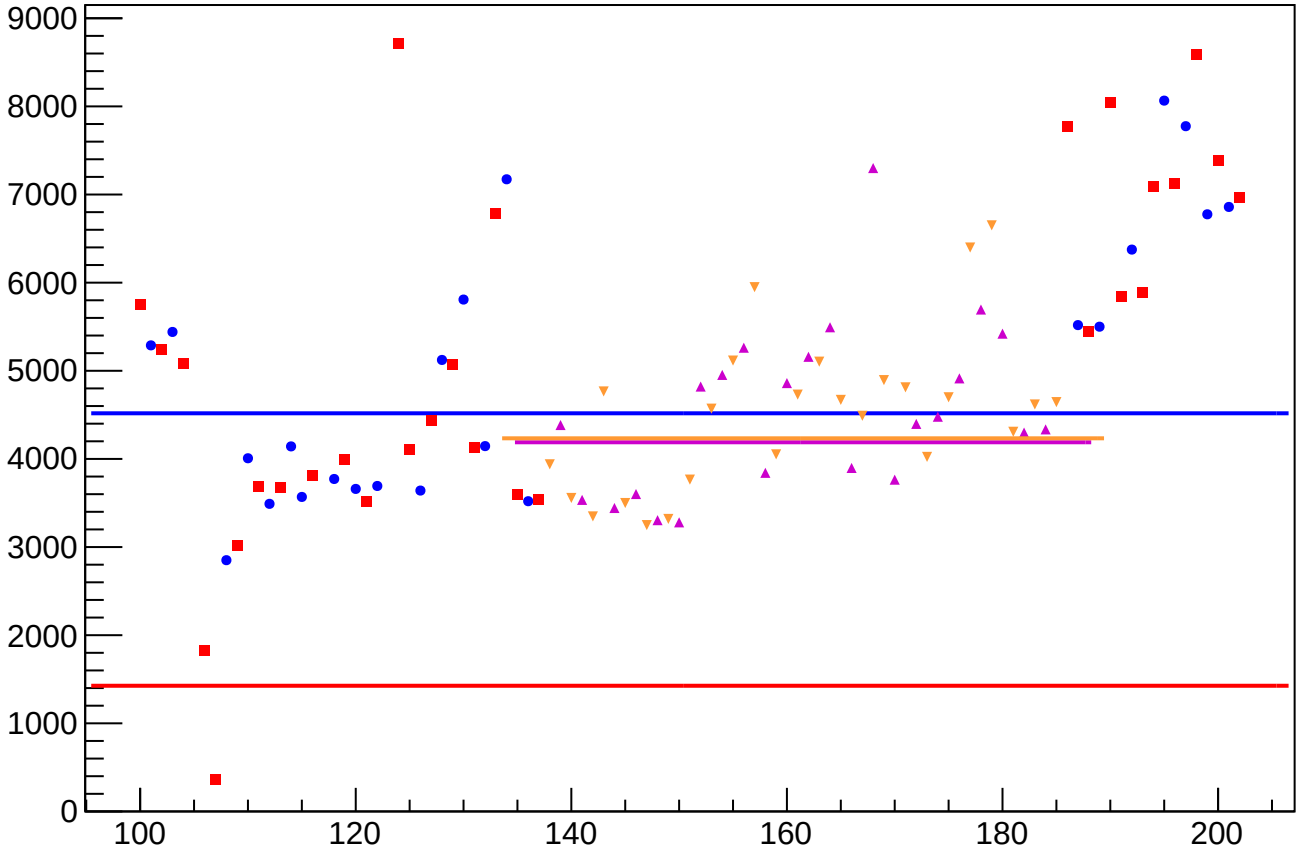
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 11.373+/-795.914 χ^2/NDF: 49.1/47

All: -433.416+/-445.542 χ^2/NDF: 95.5/99

- sign -636.405+/-537.681 χ^2/NDF: 45.9/51

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4517.732+/-0.955 χ^2/NDF: 2158579.8/22

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1426.245+/-0.451 χ^2/NDF: 18931653.1/28

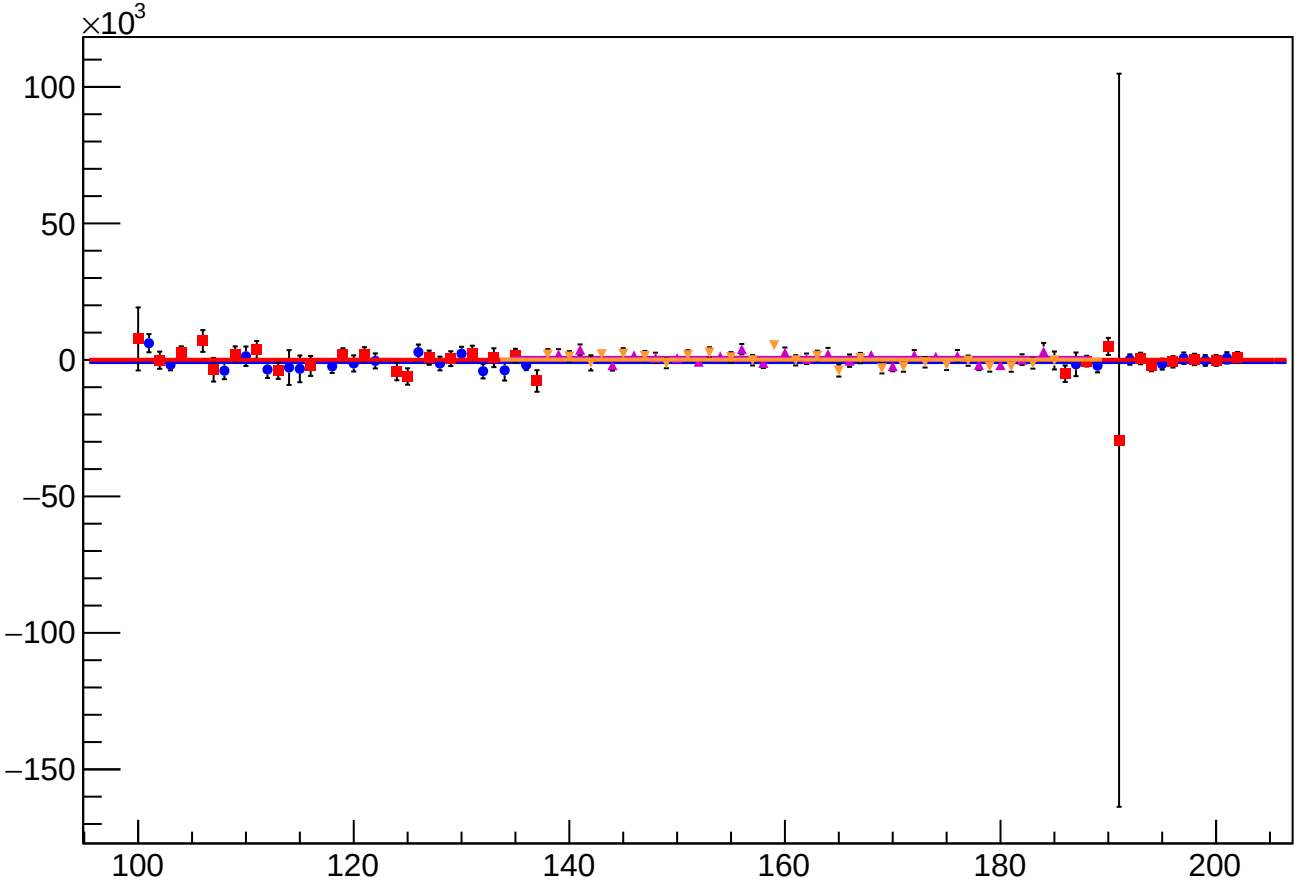
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4332.410+/-0.563 χ^2/NDF: 3500997.2/47

All: 2885.211+/-0.315 χ^2/NDF: 44257190.5/9

- sign 2224.753+/-0.380 χ^2/NDF: 31126218.4/51

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -784.805+/-534.027 χ^2/NDF: 15.2/22

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 44.084+/-501.576 χ^2/NDF: 28.2/28

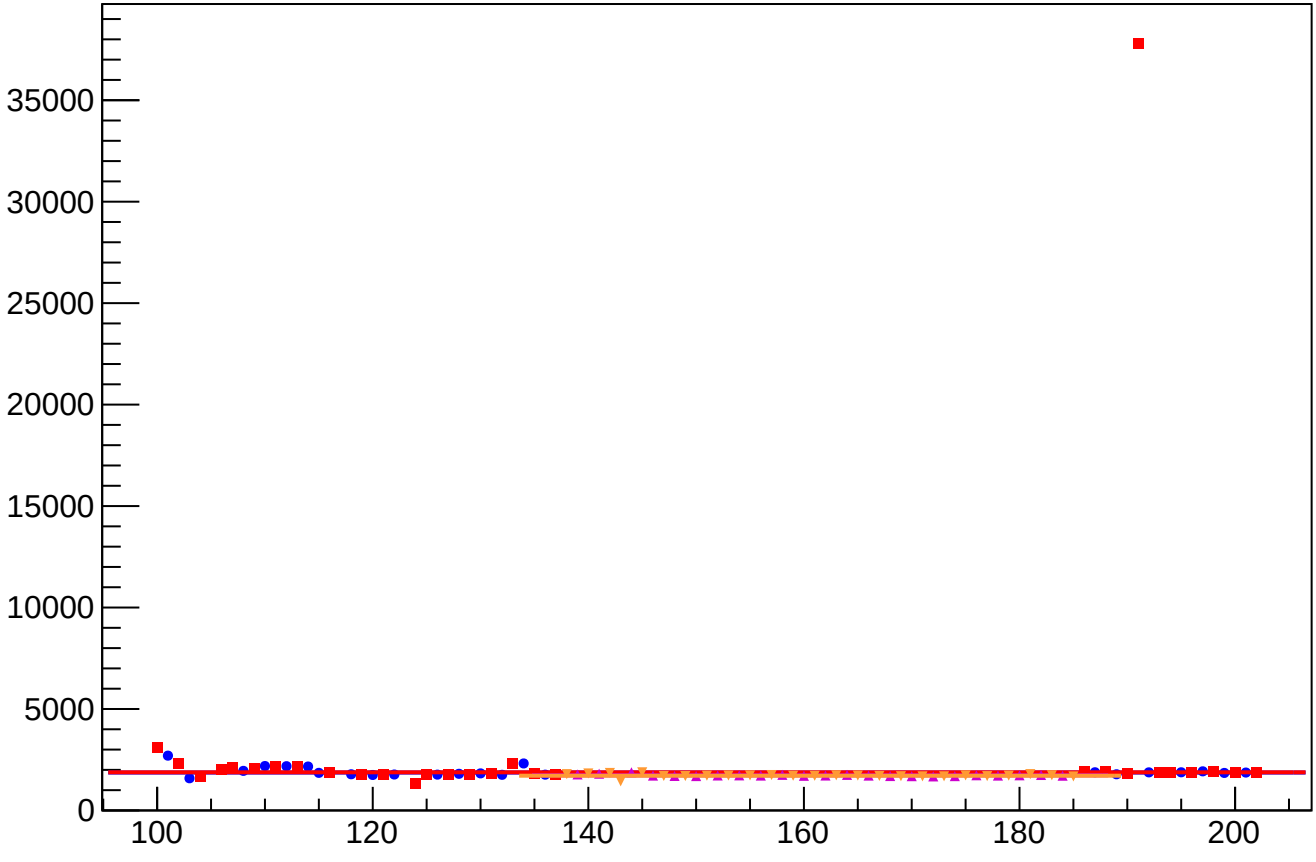
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

\+ sign -194.171+/-314.667 χ^2/NDF: 46.7/47

All: 136.251+/-222.517 χ^2/NDF: 97.3/99

\- sign 466.756+/-314.707 χ^2/NDF: 48.4/51

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1867.398+/-0.378 χ^2/NDF: 260627.0/22

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

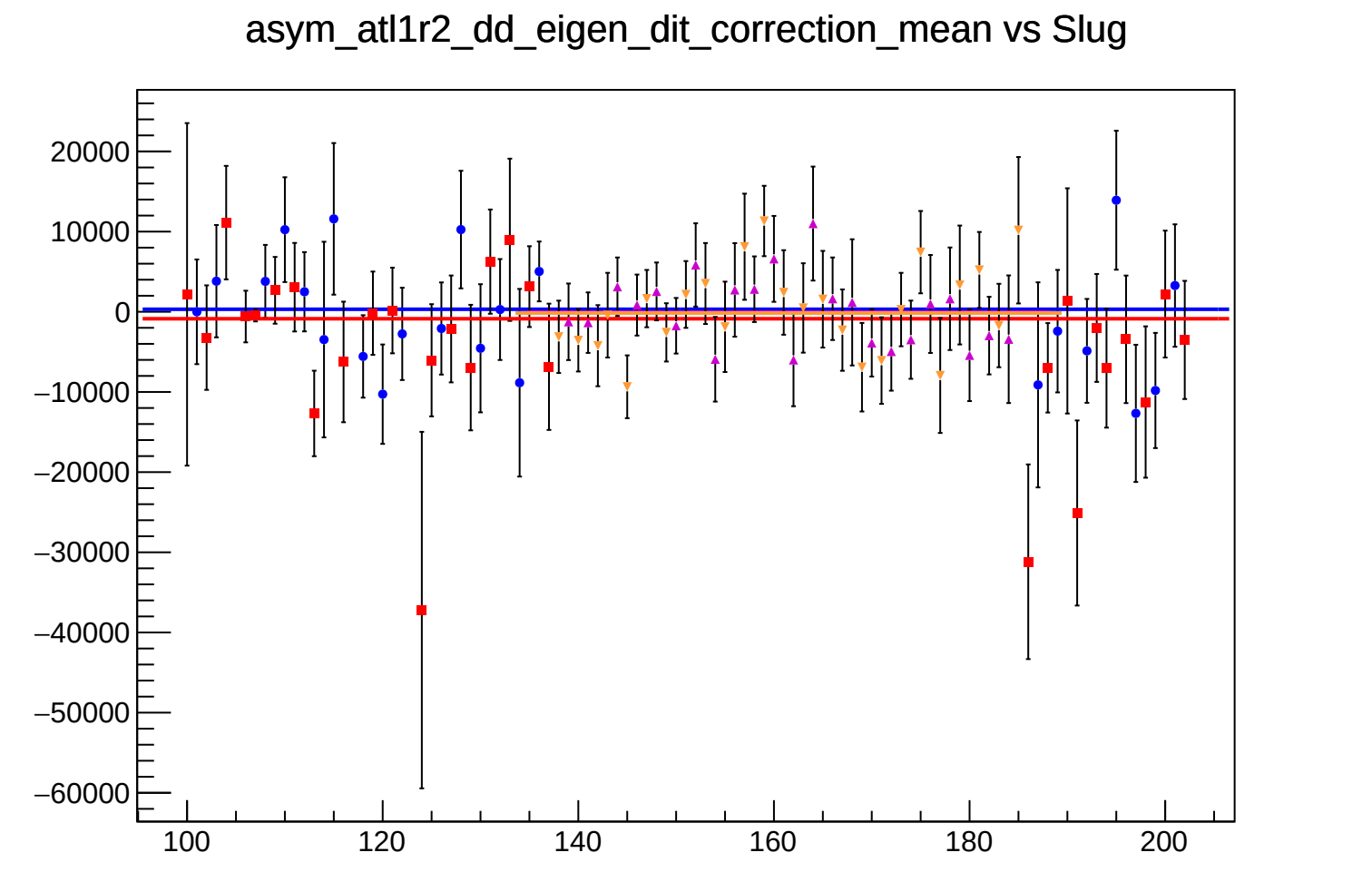
Right Out: 1879.685+/-0.355 χ^2/NDF: 409786.0/28

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1766.156+/-0.223 χ^2/NDF: 465138.8/47

All: 1777.661+/-0.157 χ^2/NDF: 1010908.6/99

- sign 1789.166+/-0.222 χ^2/NDF: 540422.8/51



Right In: 315.279+/-1351.029 χ^2/NDF: 22.2/22

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -868.658+/-637.689 χ^2/NDF: 31.4/28

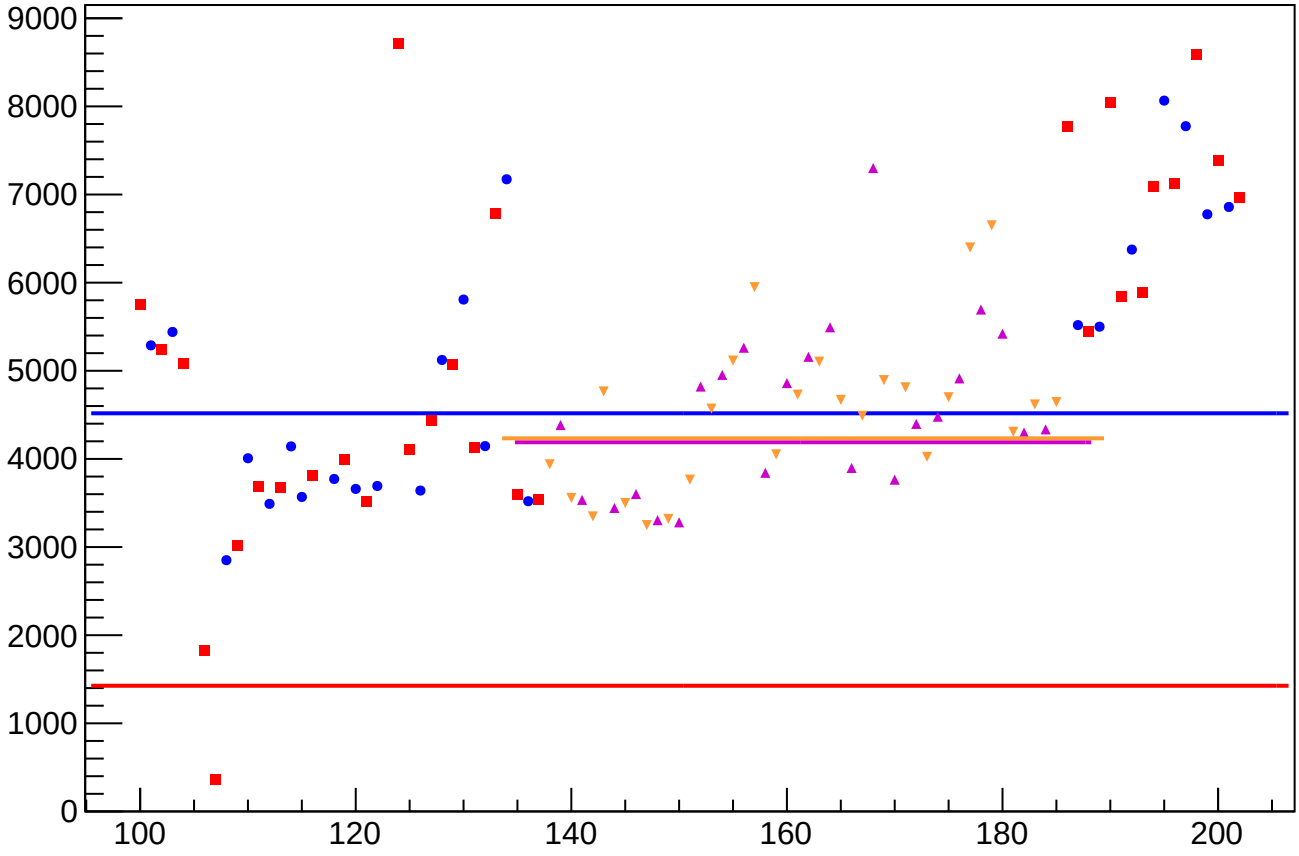
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 11.369+/-795.915 χ^2/NDF: 49.1/47

All: -433.421+/-445.546 χ^2/NDF: 95.5/99

- sign -636.414+/-537.687 χ^2/NDF: 45.9/51

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4517.726+/-0.955 χ^2/NDF: 2158591.2/22

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1426.284+/-0.451 χ^2/NDF: 18931410.4/28

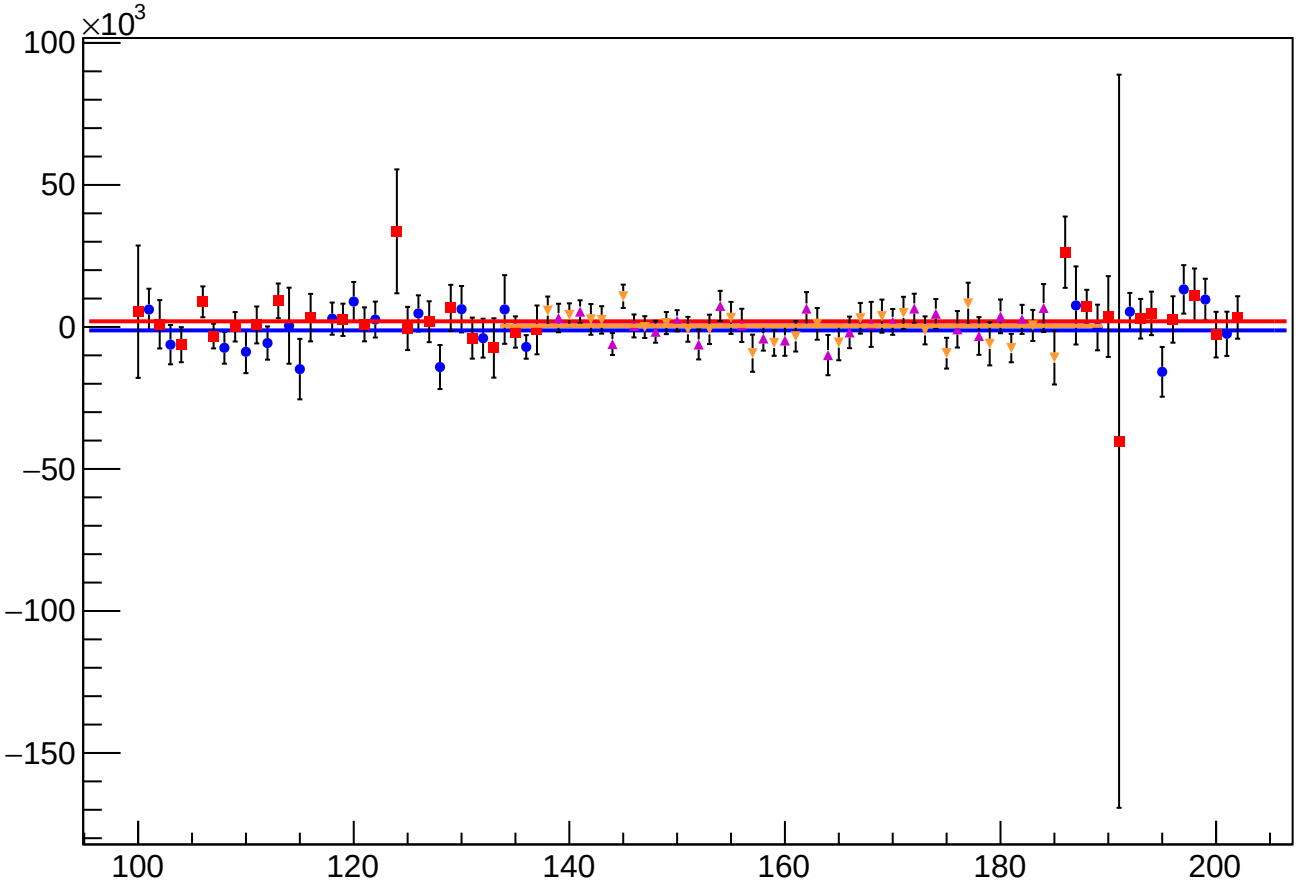
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4332.412+/-0.563 χ^2/NDF: 3501006.3/47

All: 2885.253+/-0.315 χ^2/NDF: 44256106.0/9

- sign 2224.799+/-0.380 χ^2/NDF: 31125598.3/51

asym_atl1r2_dd_mean vs Slug



Right In: -1212.175+/-1478.087 χ^2/NDF: 25.3/22

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 1983.016+/-1341.835 χ^2/NDF: 17.2/28

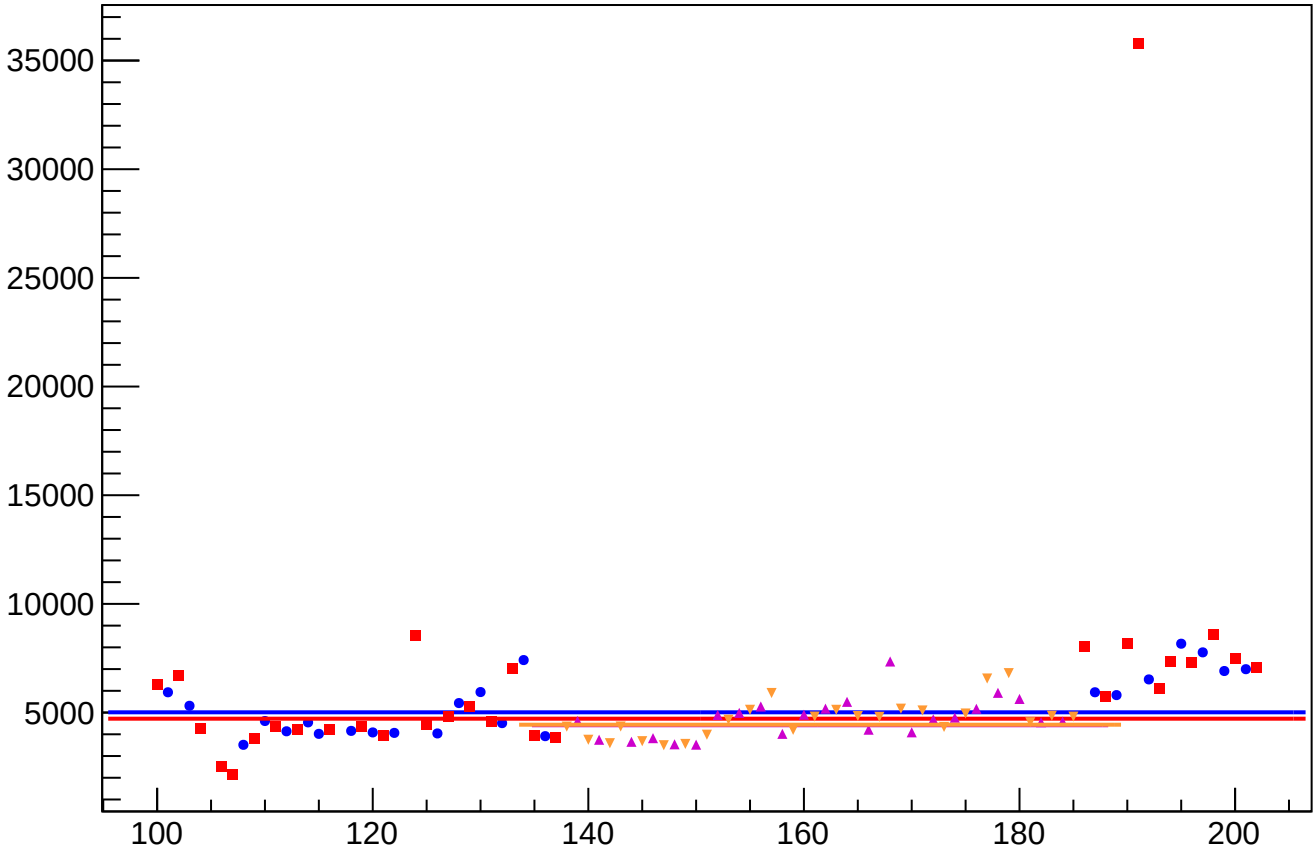
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -127.011+/-844.192 χ^2/NDF: 50.8/47

All: 481.356+/-590.676 χ^2/NDF: 87.1/99

- sign 1064.864+/-826.764 χ^2/NDF: 35.3/51

asym_atl1r2_dd_rms vs Slug



Right In: 5011.420+/-1.045 χ^2/NDF: 1547783.8/22

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4717.763+/-0.942 χ^2/NDF: 3334134.9/28

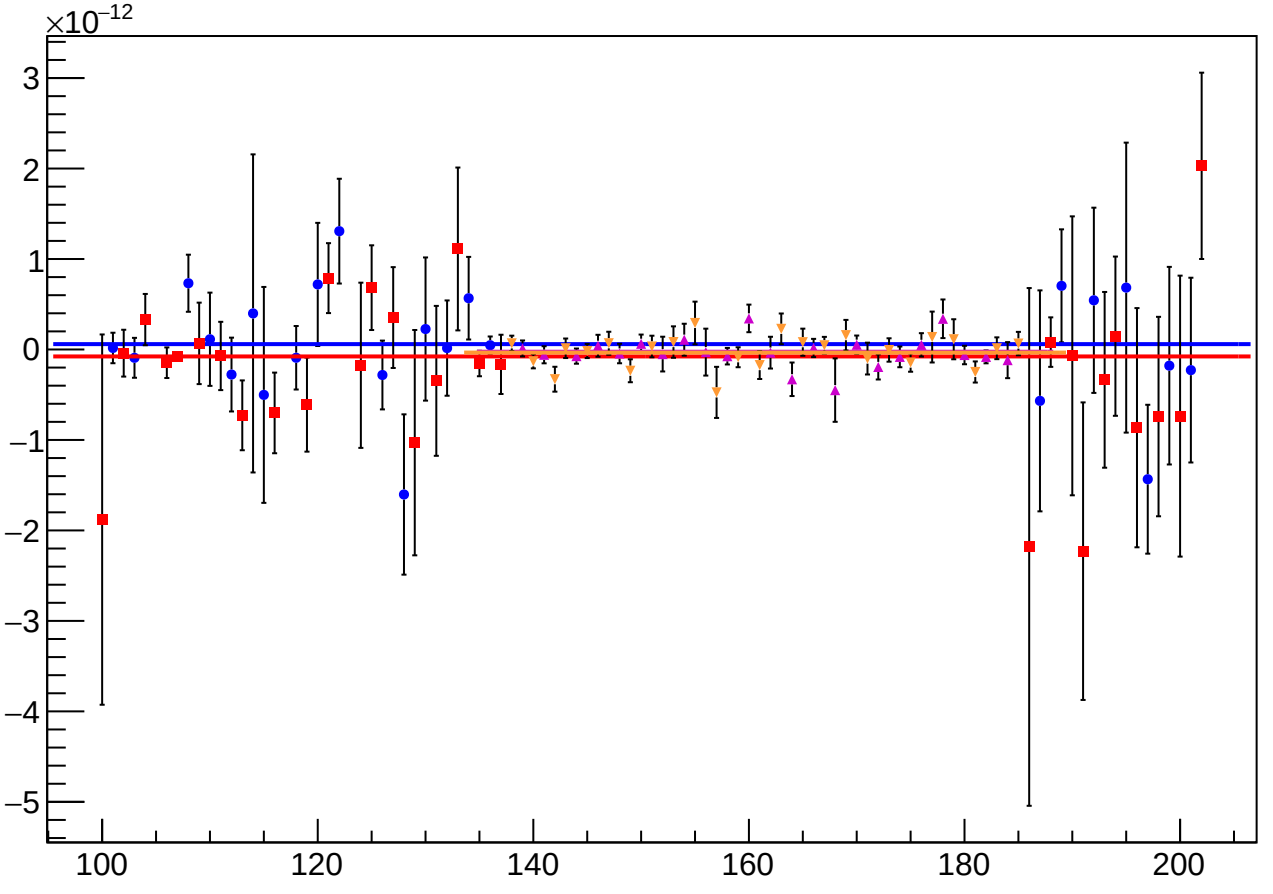
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4626.942+/-0.597 χ^2/NDF: 2821738.7/47

All: 4577.956+/-0.417 χ^2/NDF: 7344044.2/99

- sign 4531.240+/-0.583 χ^2/NDF: 4509148.7/51

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/28

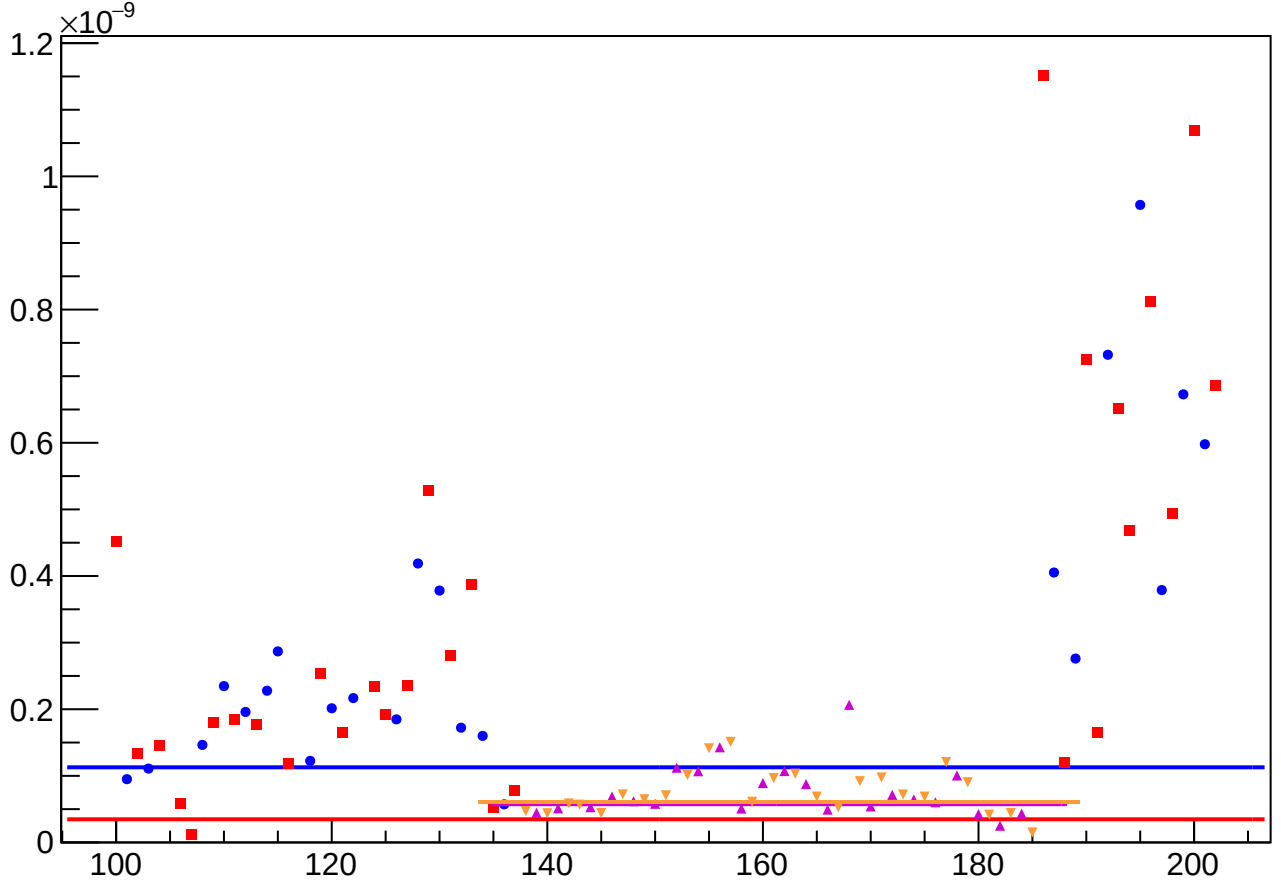
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/47

All: -0.000+/-0.000 χ^2/NDF: 102.0/99

- sign -0.000+/-0.000 χ^2/NDF: 48.8/51

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4363986.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9340327.4/28

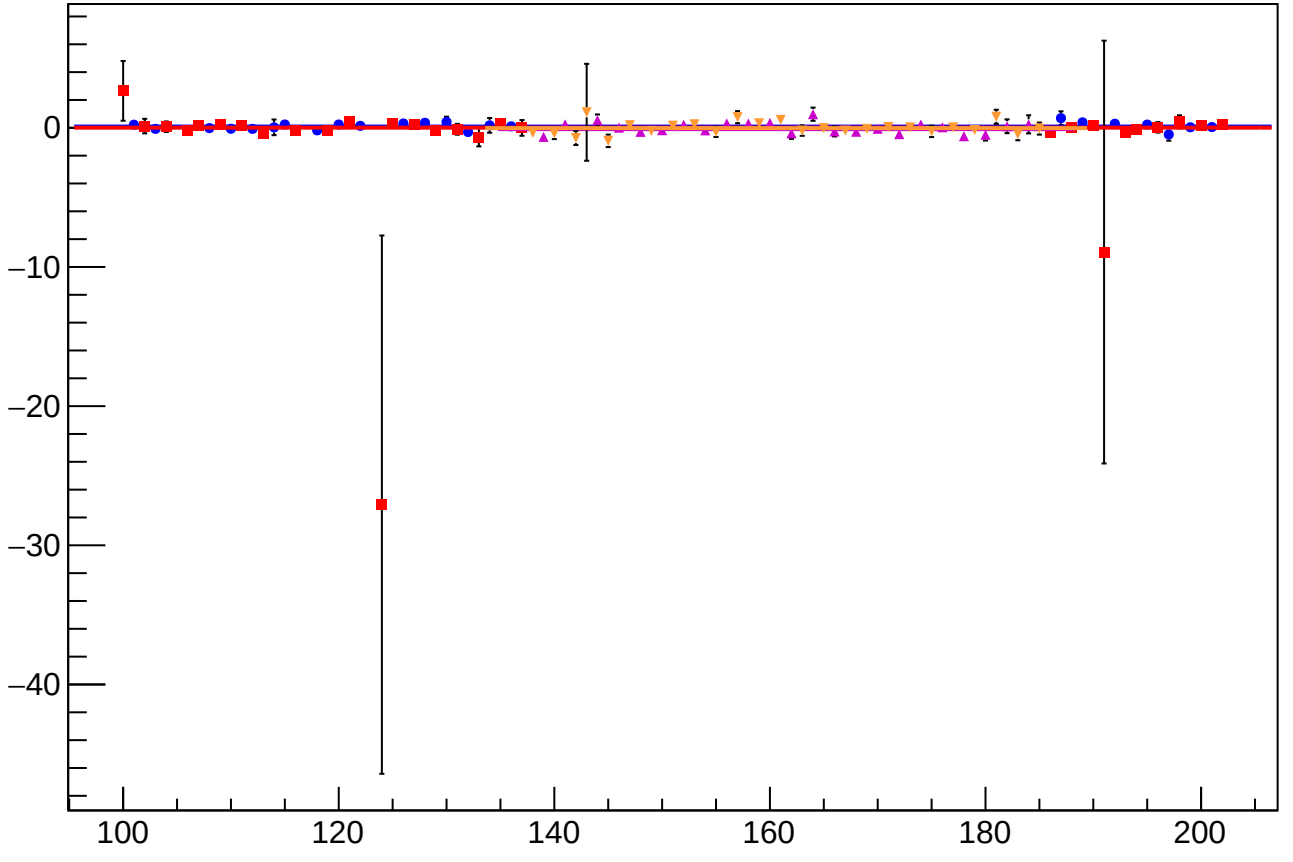
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7153310.2/47

All: 0.000+/-0.000 χ^2/NDF: 19658941.7/99

- sign 0.000+/-0.000 χ^2/NDF: 11829842.1/51

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.089+/-0.057 χ^2/NDF: 13.8/22

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.010+/-0.049 χ^2/NDF: 28.0/28

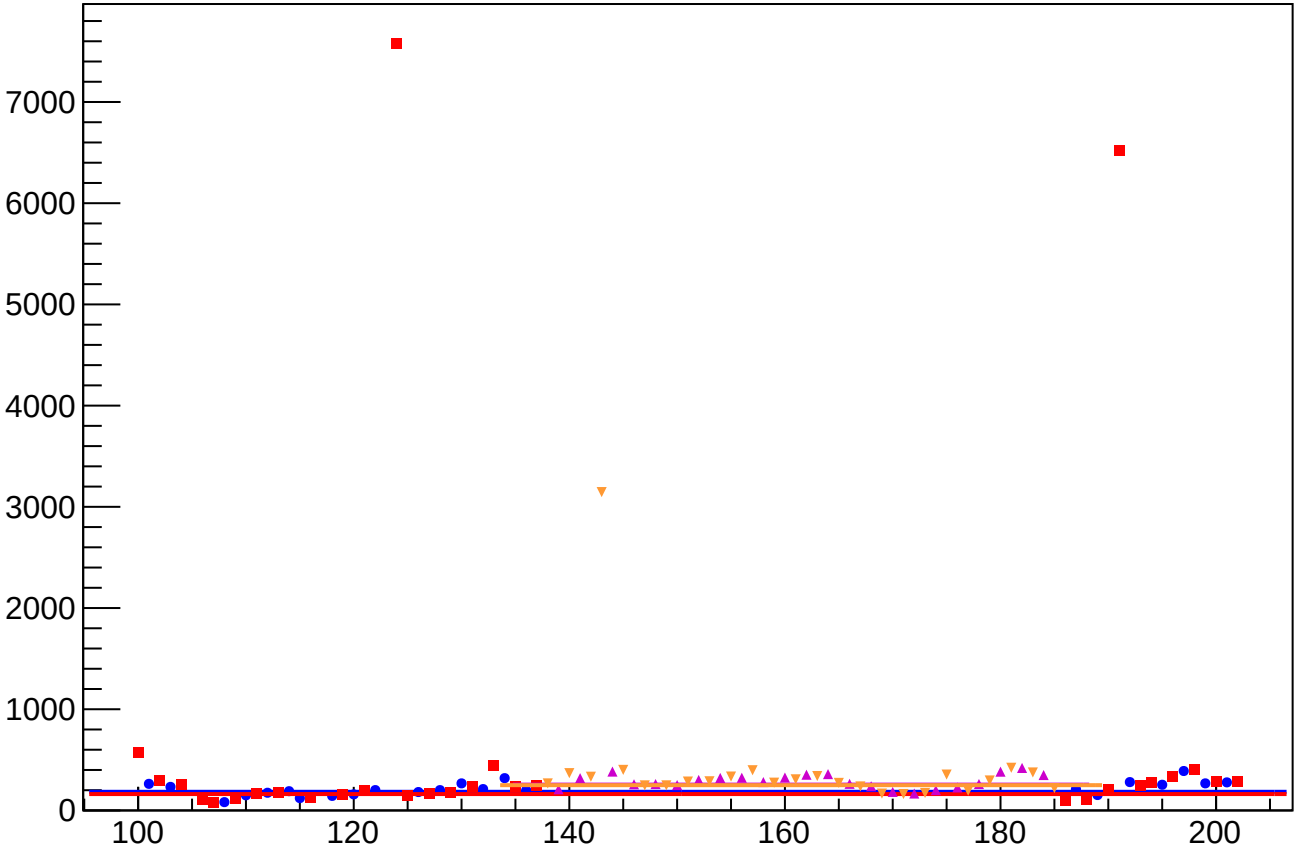
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.037+/-0.042 χ^2/NDF: 39.2/47

All: 0.001+/-0.029 χ^2/NDF: 101.8/99

- sign -0.030+/-0.039 χ^2/NDF: 61.3/51

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 184.325+/-0.041 χ^2/NDF: 2799886.2/22

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 161.960+/-0.035 χ^2/NDF: 5102314.5/28

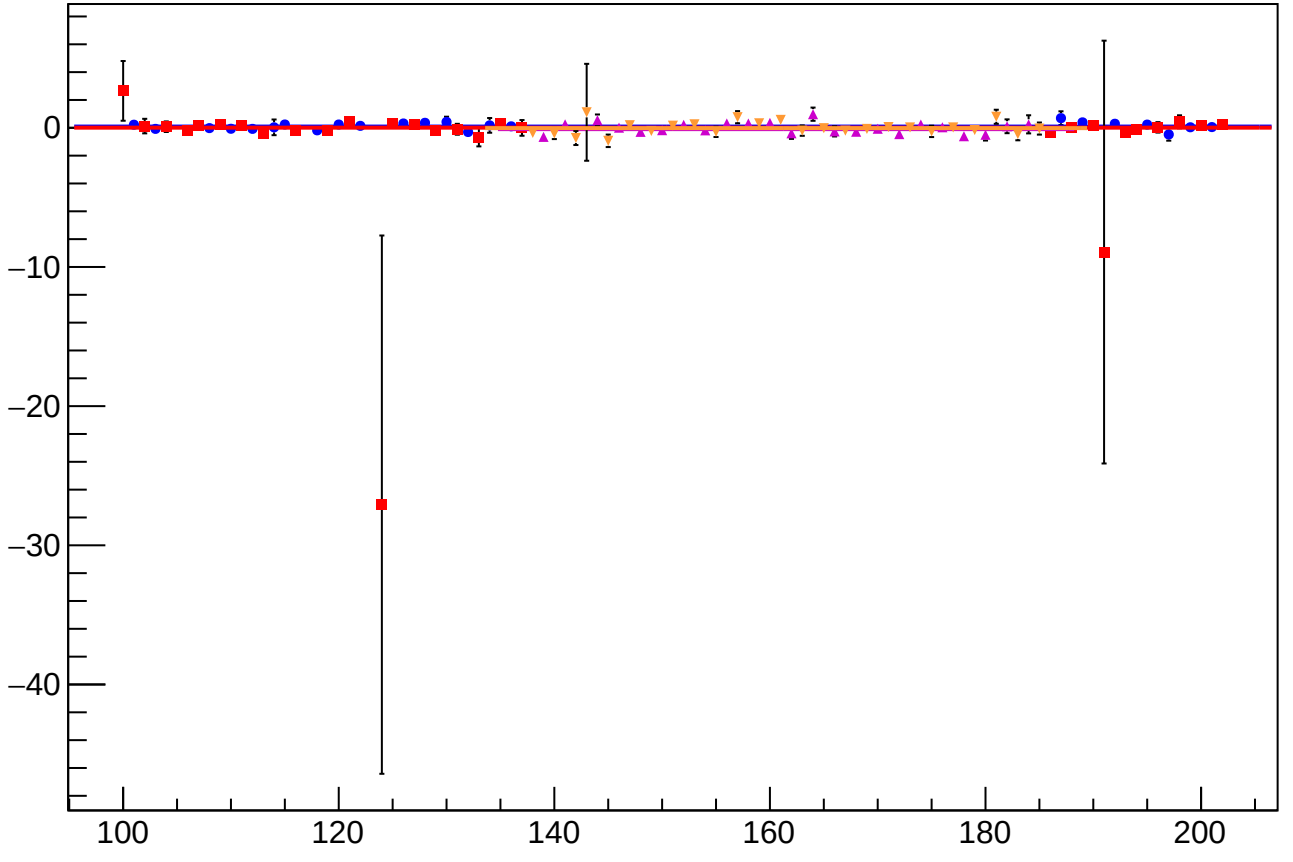
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 214.751+/-0.030 χ^2/NDF: 8245740.6/47

All: 205.440+/-0.020 χ^2/NDF: 18362261.7/99

- sign 197.466+/-0.027 χ^2/NDF: 9933934.0/51

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.089+/-0.057 χ^2/NDF: 13.8/22

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.010+/-0.049 χ^2/NDF: 28.0/28

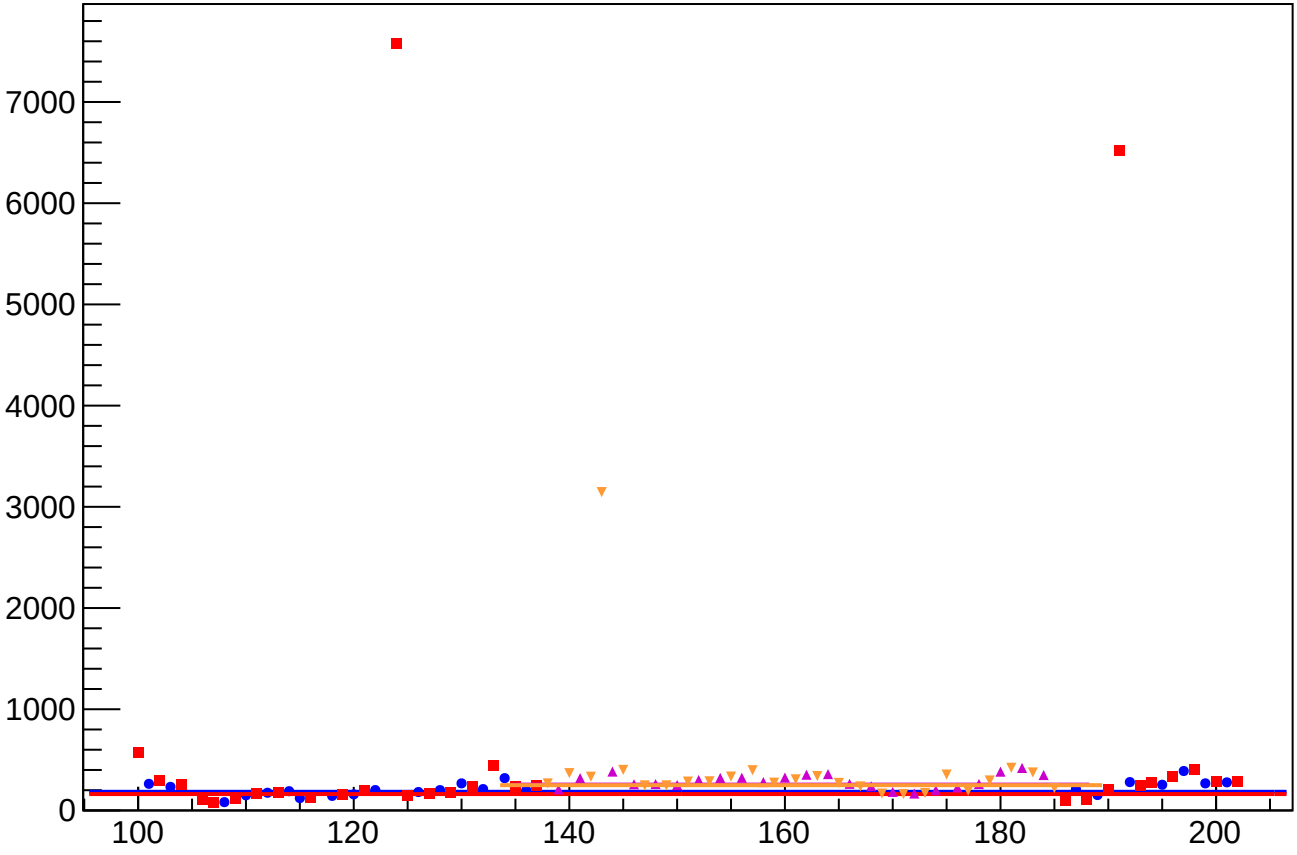
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.037+/-0.042 χ^2/NDF: 39.2/47

All: 0.001+/-0.029 χ^2/NDF: 101.8/99

- sign -0.030+/-0.039 χ^2/NDF: 61.3/51

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 184.325+/-0.041 χ^2/NDF: 2799886.2/22

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

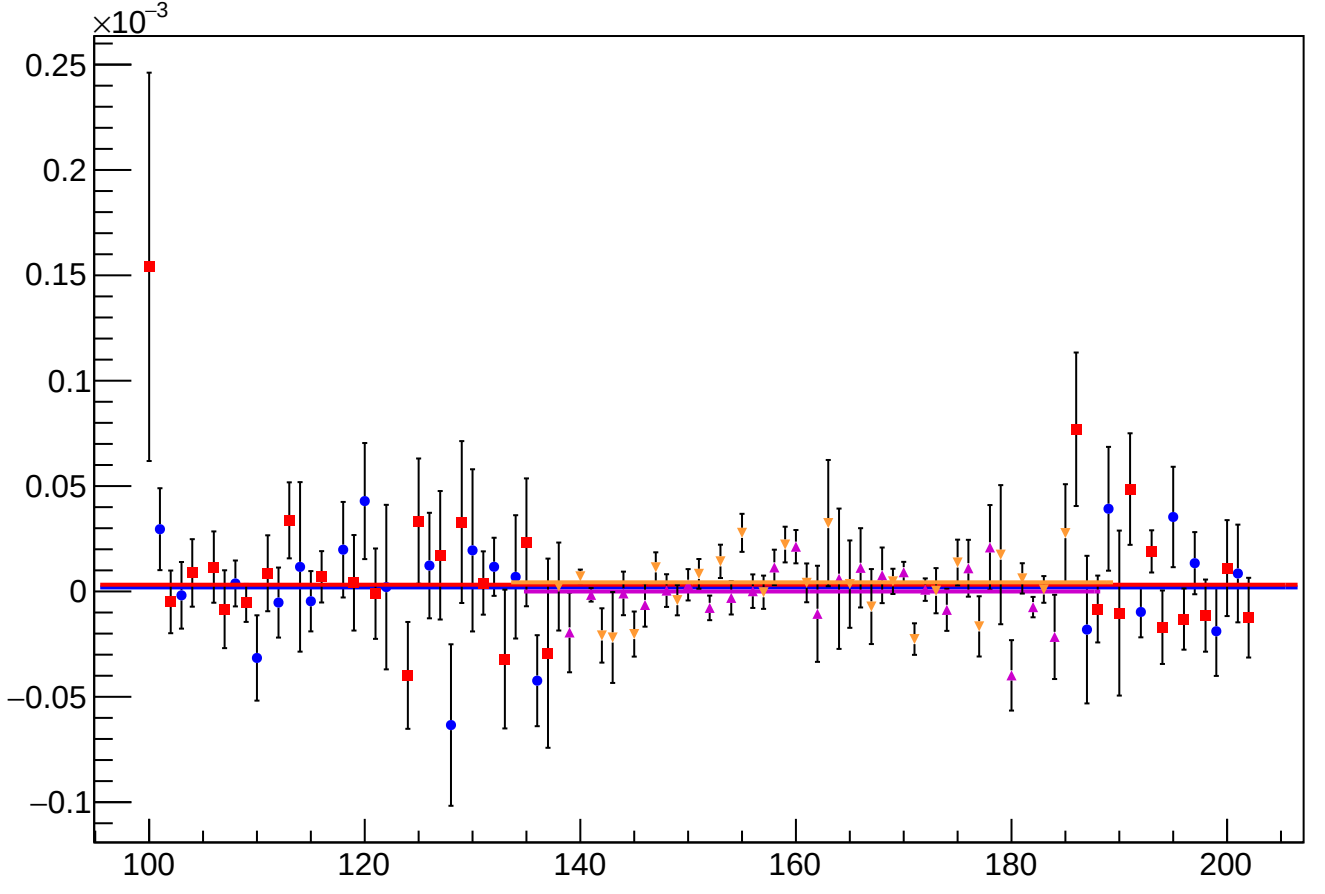
Right Out: 161.960+/-0.035 χ^2/NDF: 5102314.5/28

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 214.751+/-0.030 χ^2/NDF: 8245740.6/47

All: 205.440+/-0.020 χ^2/NDF: 18362261.7/99

- sign 197.466+/-0.027 χ^2/NDF: 9933934.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 22.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

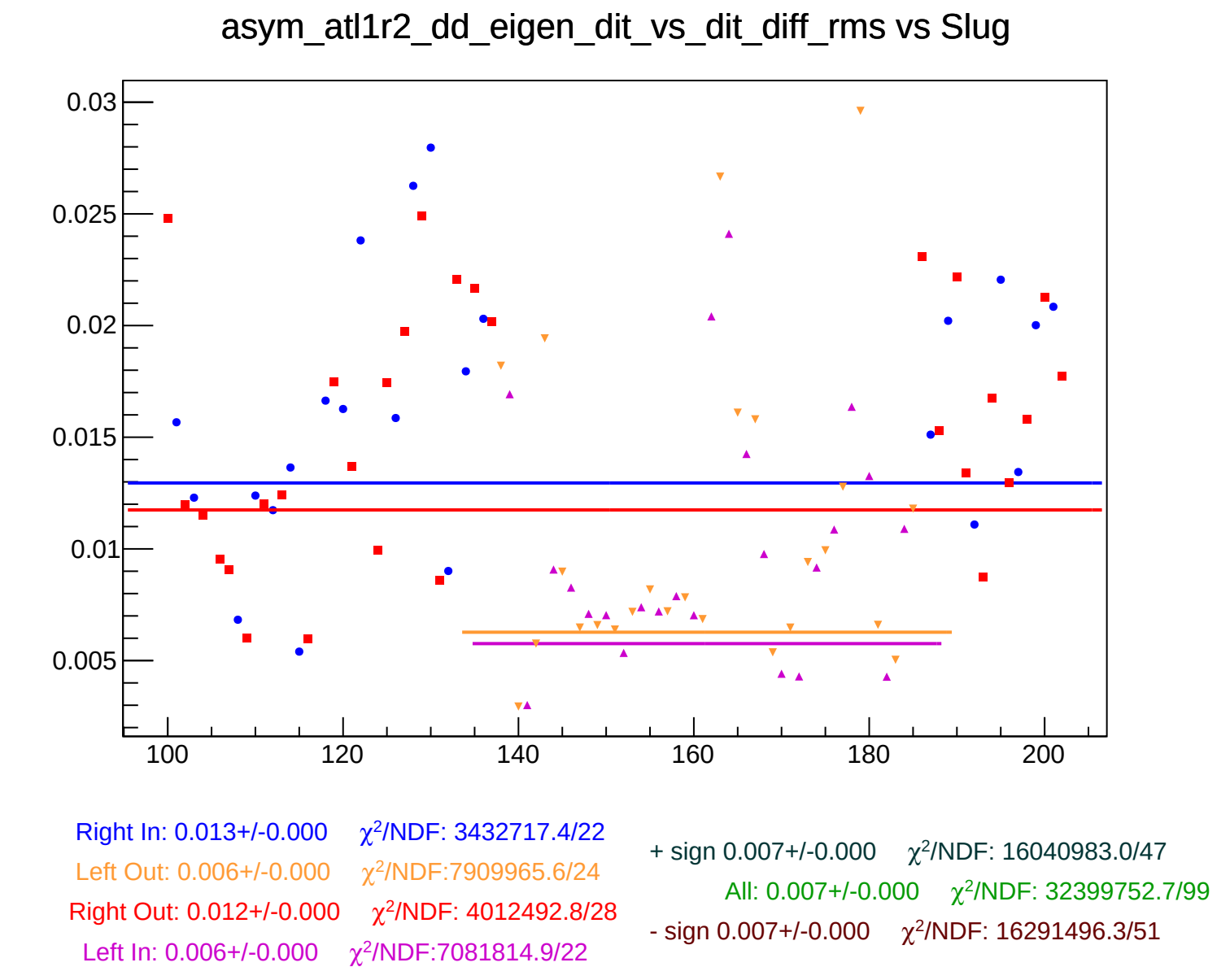
Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/28

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

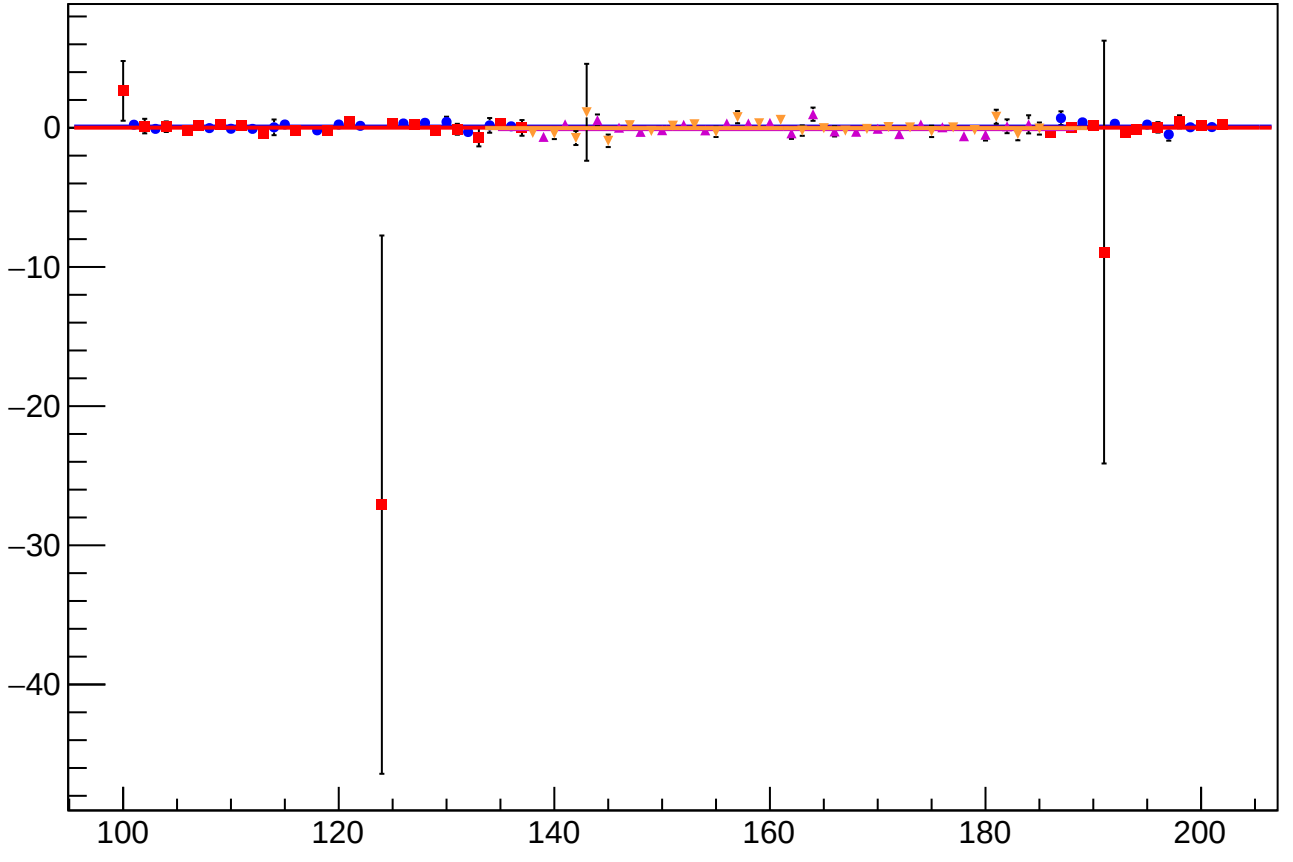
+ sign 0.000+/-0.000 χ^2/NDF: 69.0/47

All: 0.000+/-0.000 χ^2/NDF: 130.4/99

- sign 0.000+/-0.000 χ^2/NDF: 58.7/51


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.013+/-0.000 χ²/NDF: 3432717.4/22
Left Out: 0.006+/-0.000 χ²/NDF:7909965.6/24
Right Out: 0.012+/-0.000 χ²/NDF: 4012492.8/28
Left In: 0.006+/-0.000 χ²/NDF:7081814.9/22
+ sign 0.007+/-0.000 χ²/NDF: 16040983.0/47
All: 0.007+/-0.000 χ²/NDF: 32399752.7/99
- sign 0.007+/-0.000 χ²/NDF: 16291496.3/51

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.089+/-0.057 χ^2/NDF: 13.8/22

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.010+/-0.049 χ^2/NDF: 28.0/28

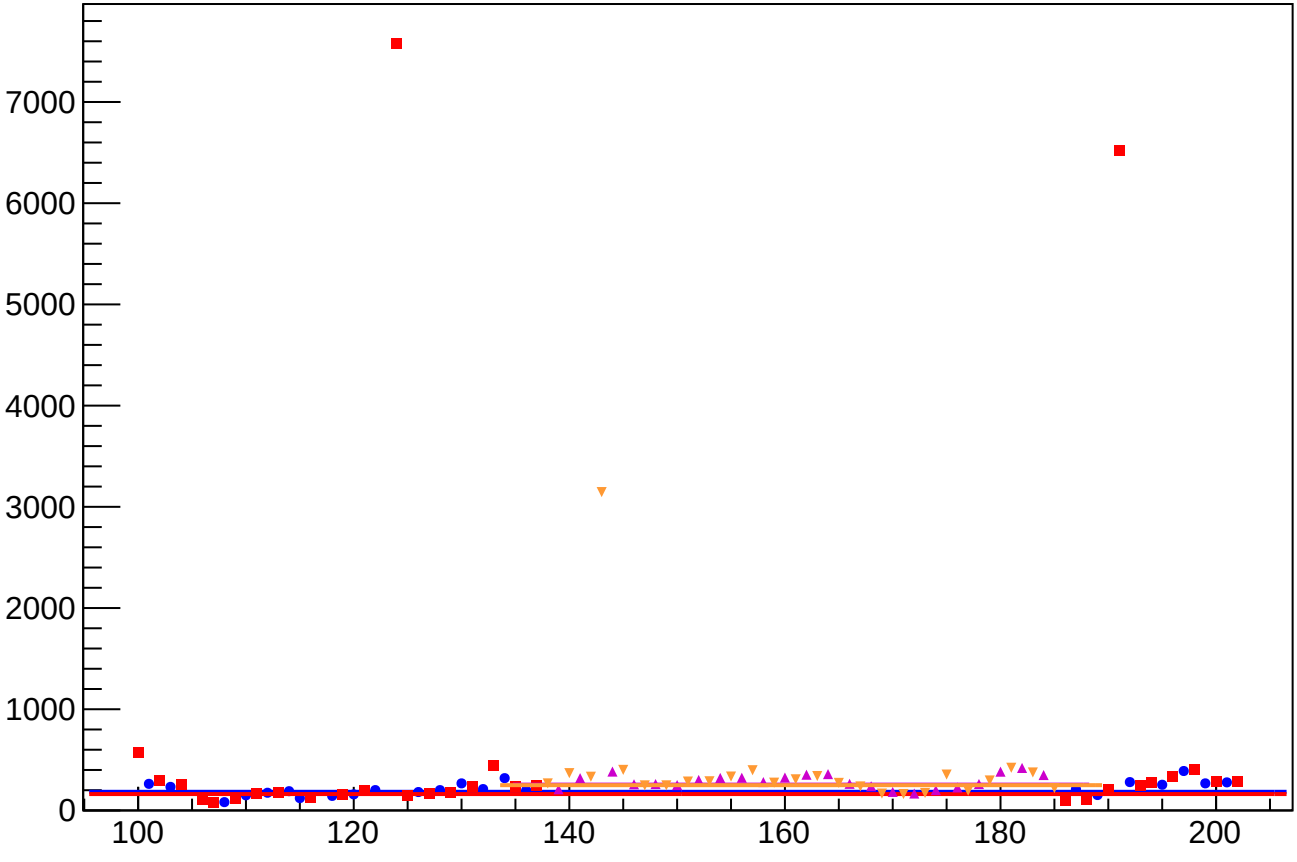
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.037+/-0.042 χ^2/NDF: 39.2/47

All: 0.001+/-0.029 χ^2/NDF: 101.8/99

- sign -0.030+/-0.039 χ^2/NDF: 61.3/51

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 184.323+/-0.041 χ^2/NDF: 2799940.1/22

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

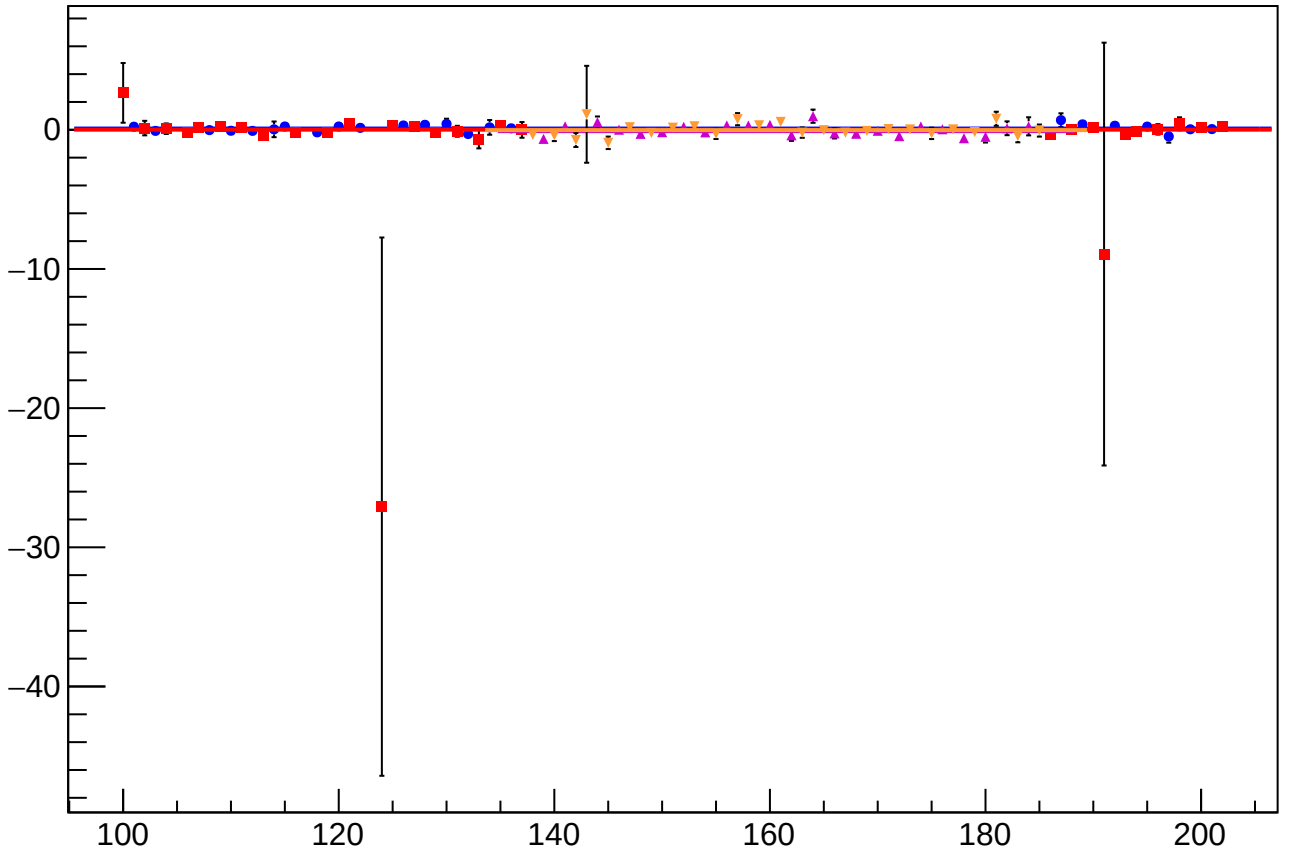
Right Out: 161.962+/-0.035 χ^2/NDF: 5102186.2/28

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 214.751+/-0.030 χ^2/NDF: 8246022.2/47

All: 205.441+/-0.020 χ^2/NDF: 18362327.9/99

- sign 197.468+/-0.027 χ^2/NDF: 9933787.9/51



Right In: 0.089+/-0.057 χ^2/NDF: 13.8/22

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

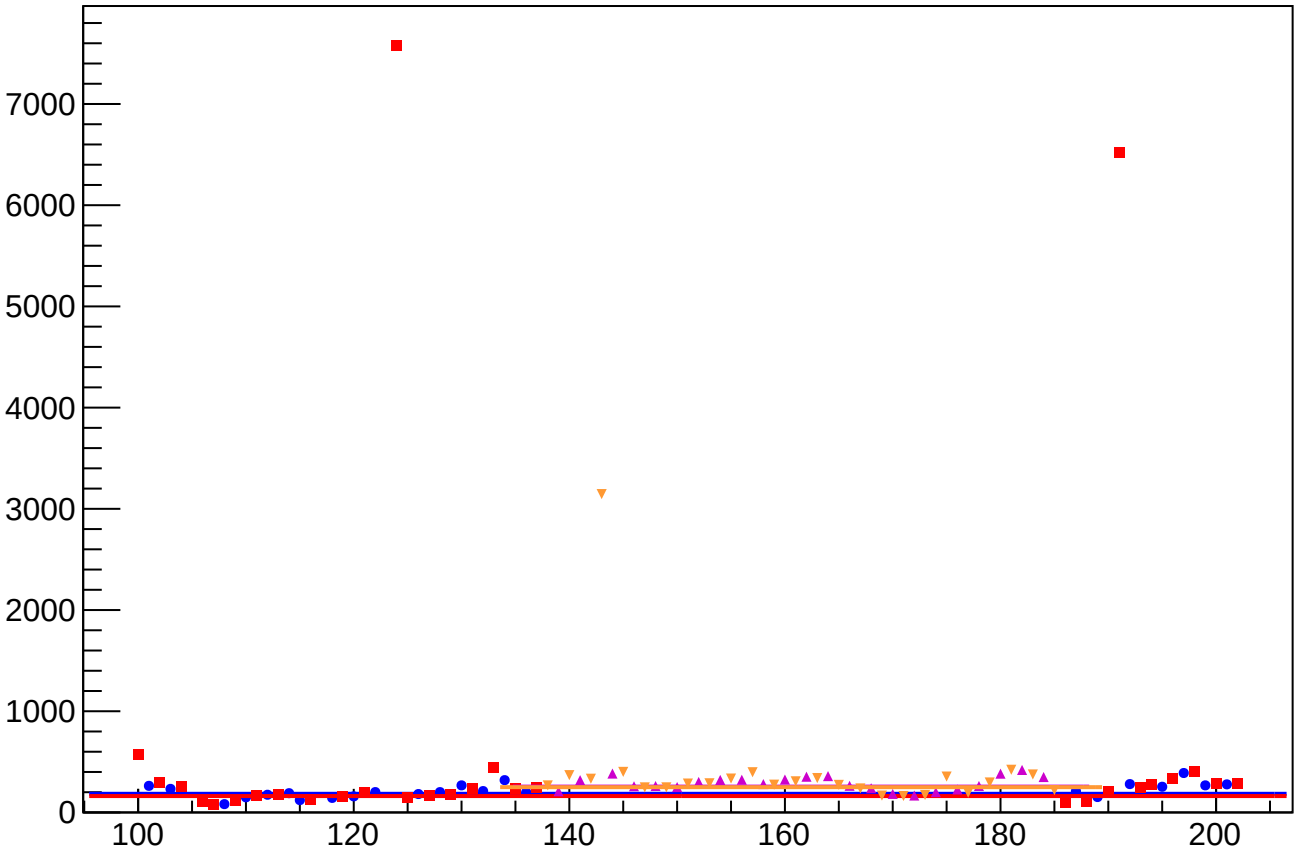
Right Out: 0.010+/-0.049 χ^2/NDF: 28.0/28

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.037+/-0.042 χ^2/NDF: 39.2/47

All: 0.001+/-0.029 χ^2/NDF: 101.8/99

- sign -0.030+/-0.039 χ^2/NDF: 61.3/51



Right In: 184.323+/-0.041 χ^2/NDF: 2799940.1/22

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

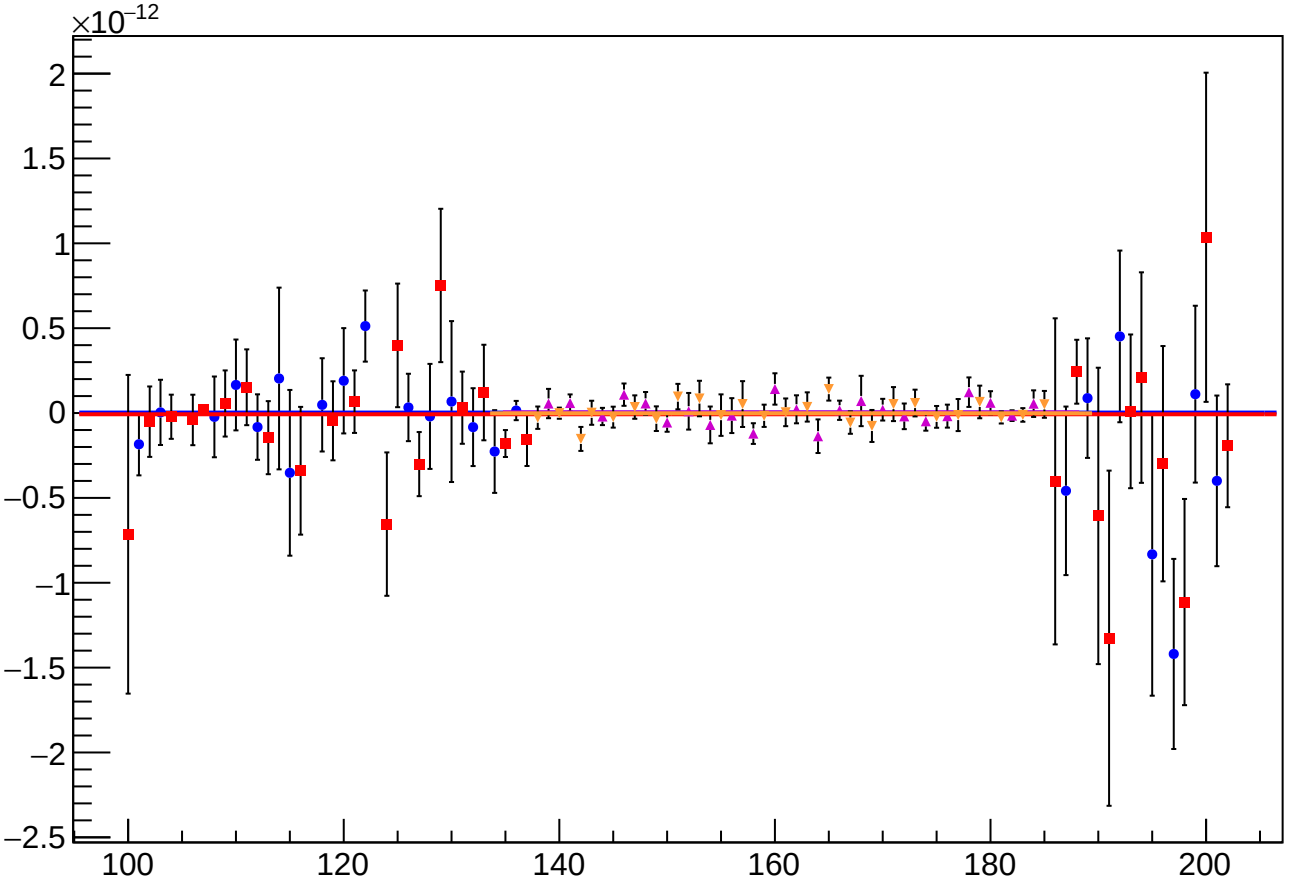
Right Out: 161.962+/-0.035 χ^2/NDF: 5102186.2/28

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 214.751+/-0.030 χ^2/NDF: 8246022.2/47

All: 205.441+/-0.020 χ^2/NDF: 18362327.9/99

- sign 197.468+/-0.027 χ^2/NDF: 9933787.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

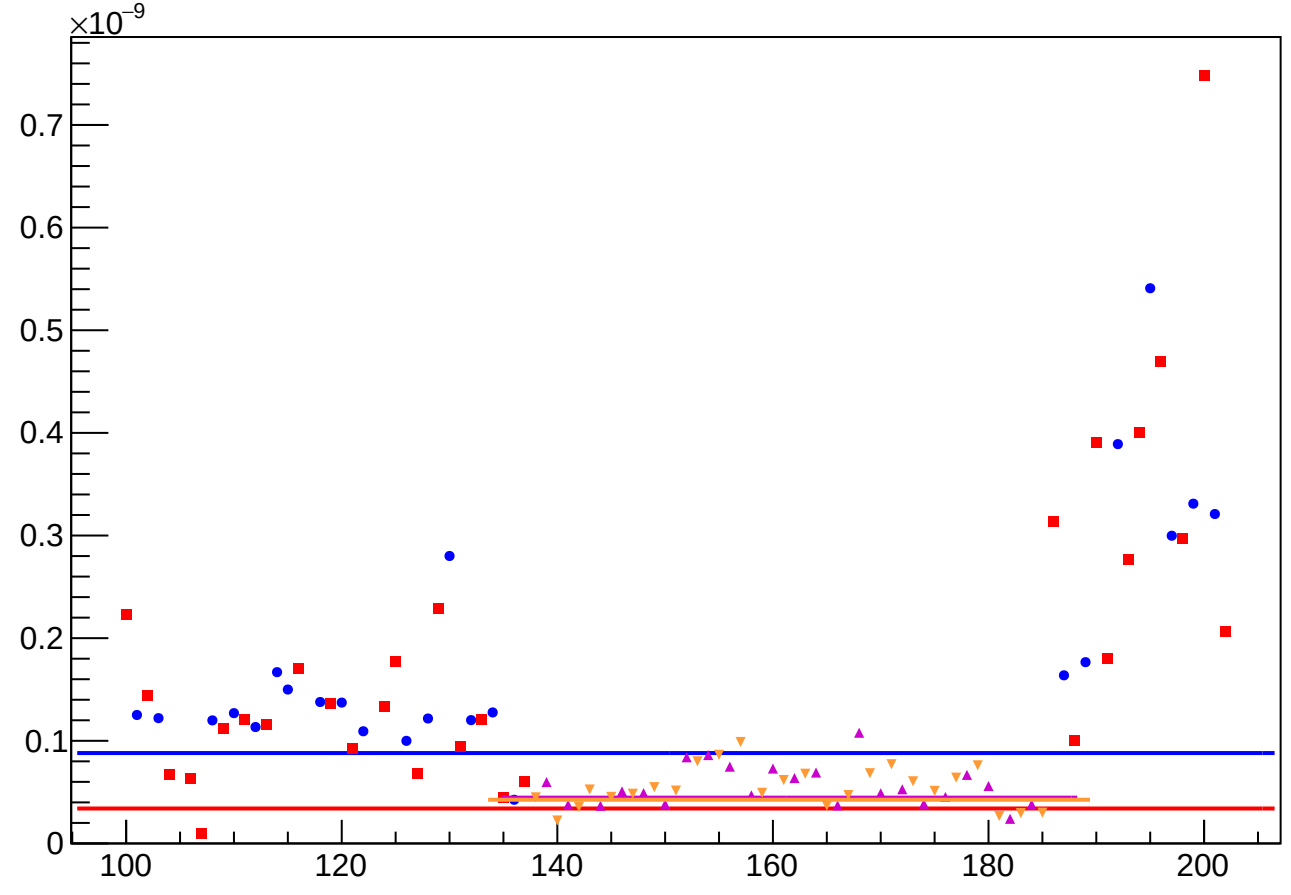
Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/28

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/47

All: 0.000+/-0.000 χ^2/NDF: 83.6/99

- sign 0.000+/-0.000 χ^2/NDF: 47.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 4828163.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10335645.7/28

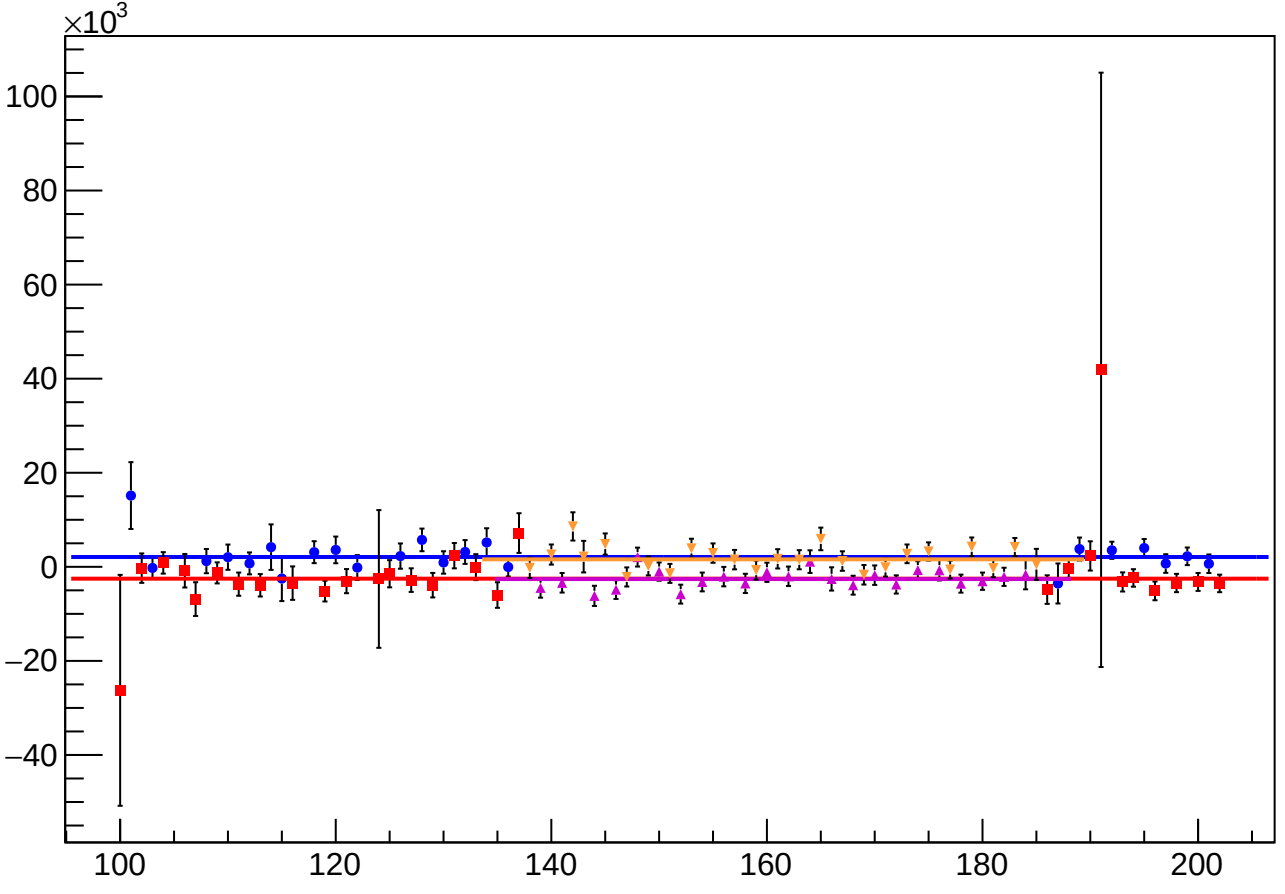
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10679104.0/47

All: 0.000+/-0.000 χ^2/NDF: 24367409.6/99

- sign 0.000+/-0.000 χ^2/NDF: 13528824.6/51

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2084.501+/-510.526 χ^2/NDF: 17.0/22

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2519.527+/-476.183 χ^2/NDF: 26.3/28

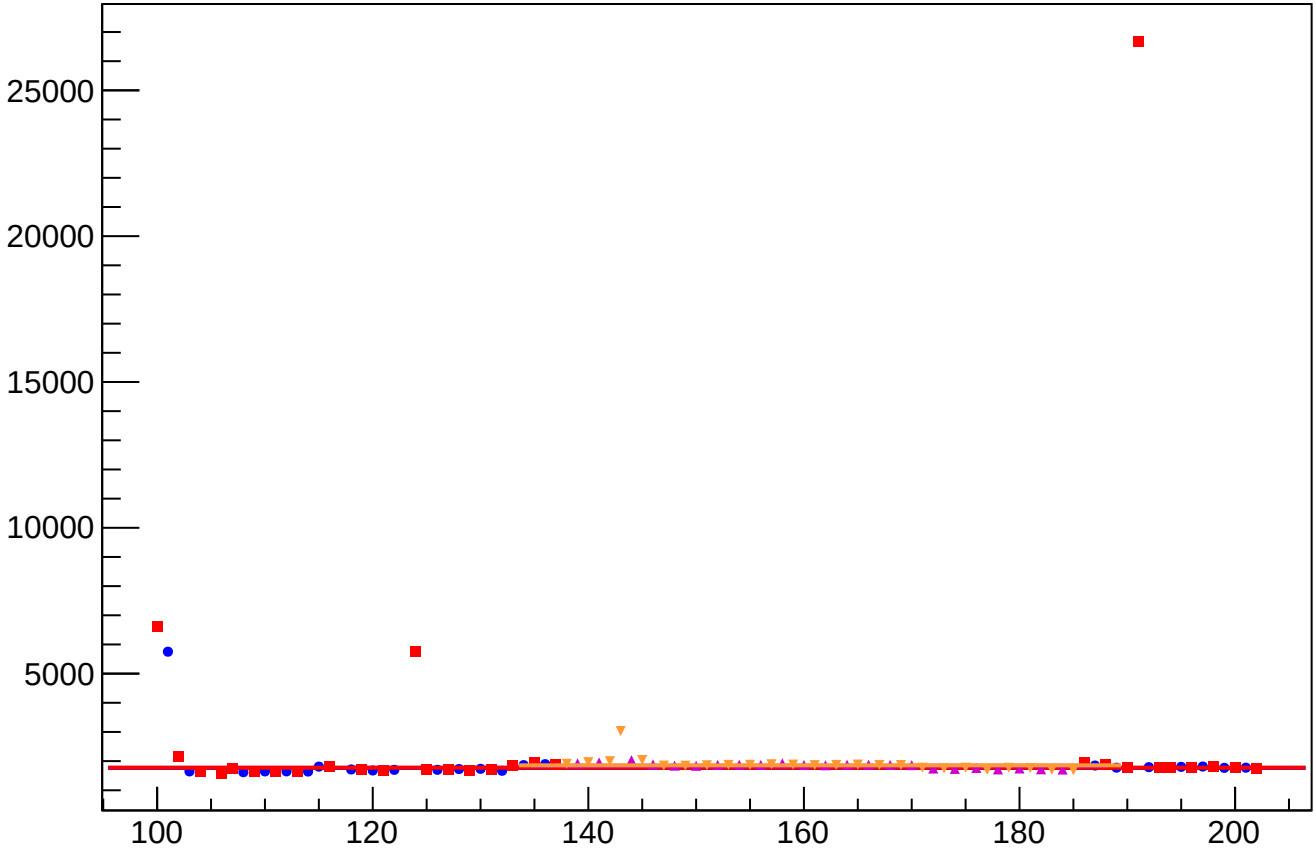
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1792.919+/-325.858 χ^2/NDF: 48.8/47

All: -429.386+/-228.047 χ^2/NDF: 186.4/99

- sign -2562.583+/-319.258 χ^2/NDF: 46.4/51

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1767.929+/-0.361 χ^2/NDF: 674719.0/22

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1774.317+/-0.335 χ^2/NDF: 639357.8/28

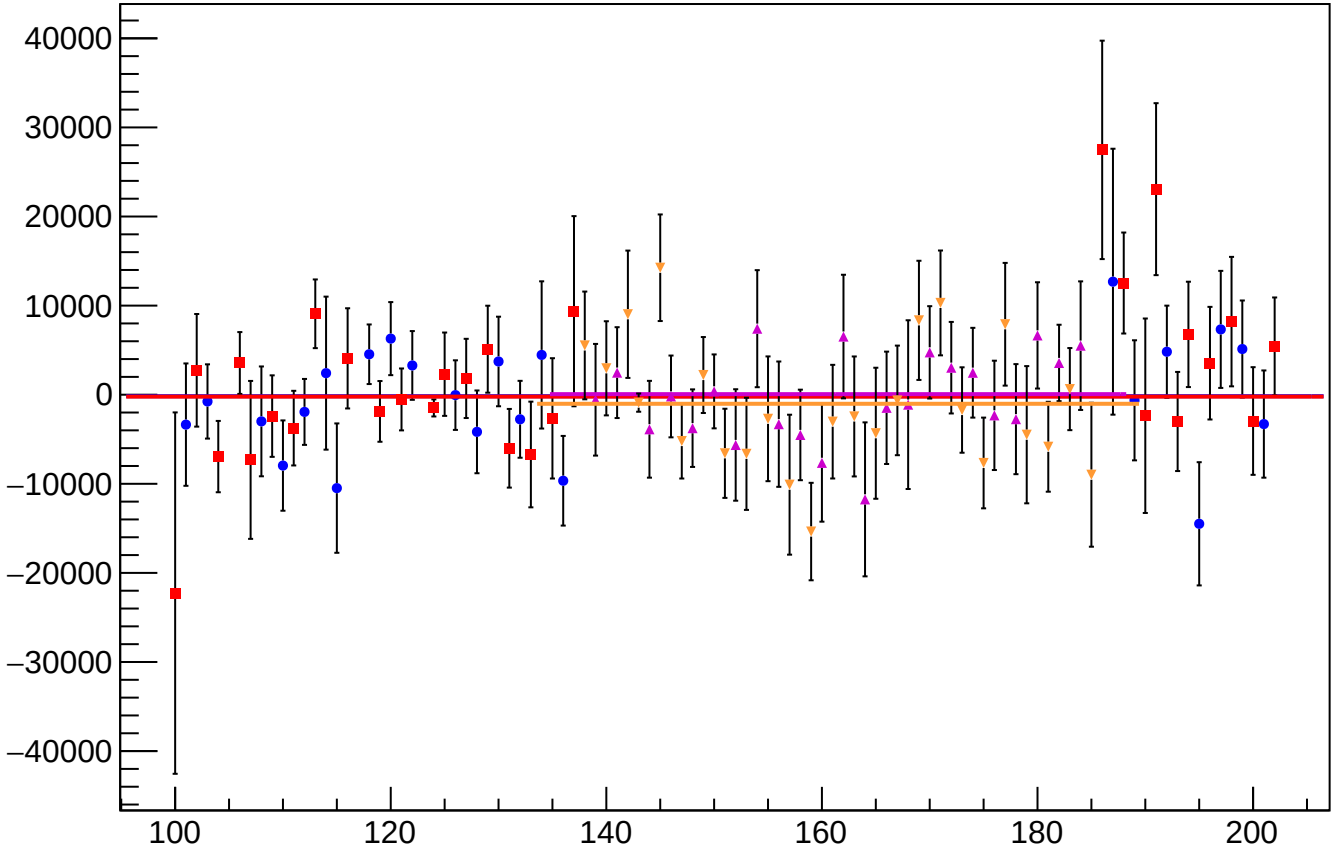
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1819.859+/-0.230 χ^2/NDF: 1033906.3/47

All: 1815.273+/-0.161 χ^2/NDF: 1766695.9/99

- sign 1810.887+/-0.225 χ^2/NDF: 732014.6/51

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -168.132+/-1057.477 χ^2/NDF: 24.5/22

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -214.187+/-686.655 χ^2/NDF: 41.6/28

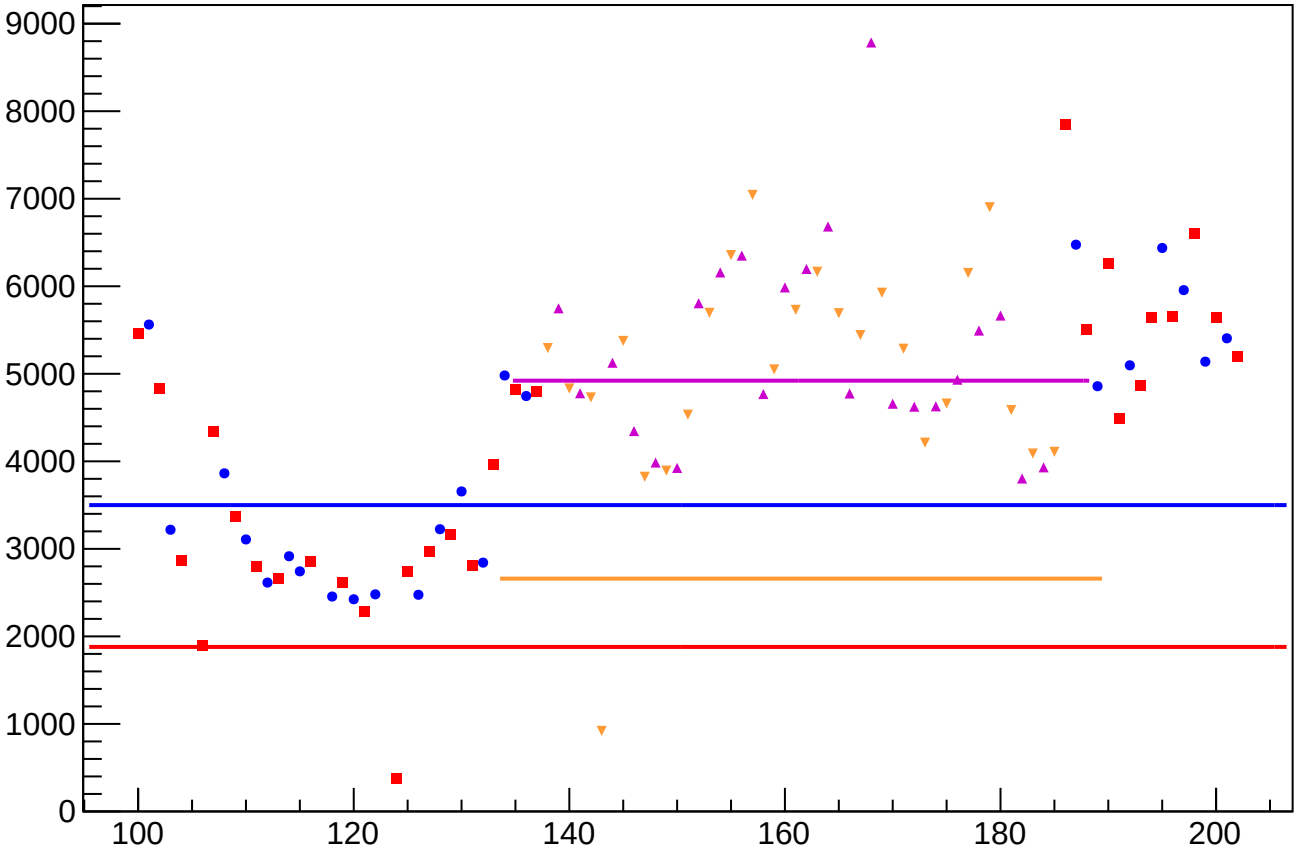
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -723.183+/-623.426 χ^2/NDF: 58.6/47

All: -418.753+/-429.532 χ^2/NDF: 113.7/99

- sign -143.643+/-592.644 χ^2/NDF: 54.6/51

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3499.875+/-0.748 χ^2/NDF: 2579556.6/22

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1879.620+/-0.486 χ^2/NDF: 13705794.7/28

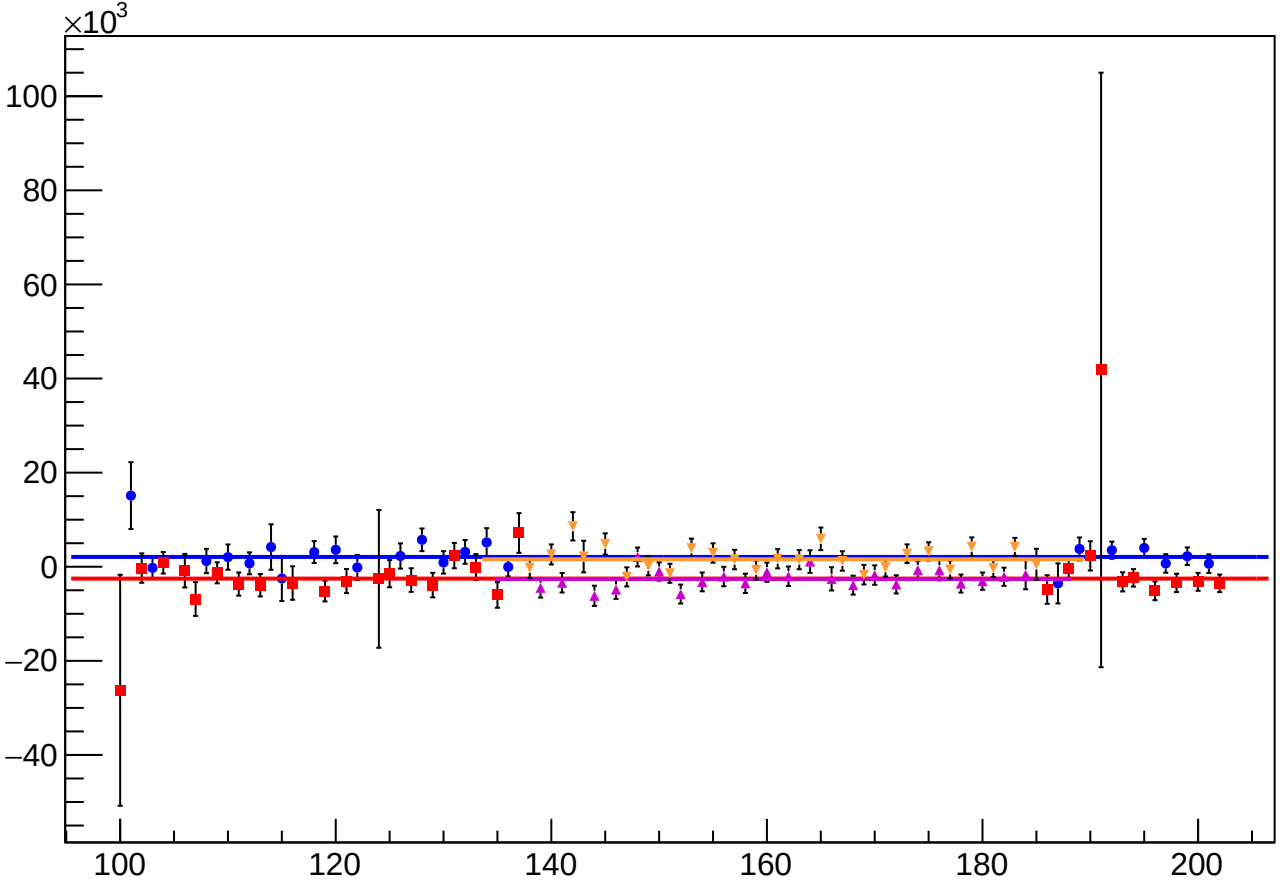
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2951.912+/-0.441 χ^2/NDF: 17938725.5/47

All: 2796.203+/-0.304 χ^2/NDF: 43143726.2/9

- sign 2655.492+/-0.419 χ^2/NDF: 24967491.6/51

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2084.300+/-510.526 χ^2/NDF: 17.0/22

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2519.535+/-476.183 χ^2/NDF: 26.3/28

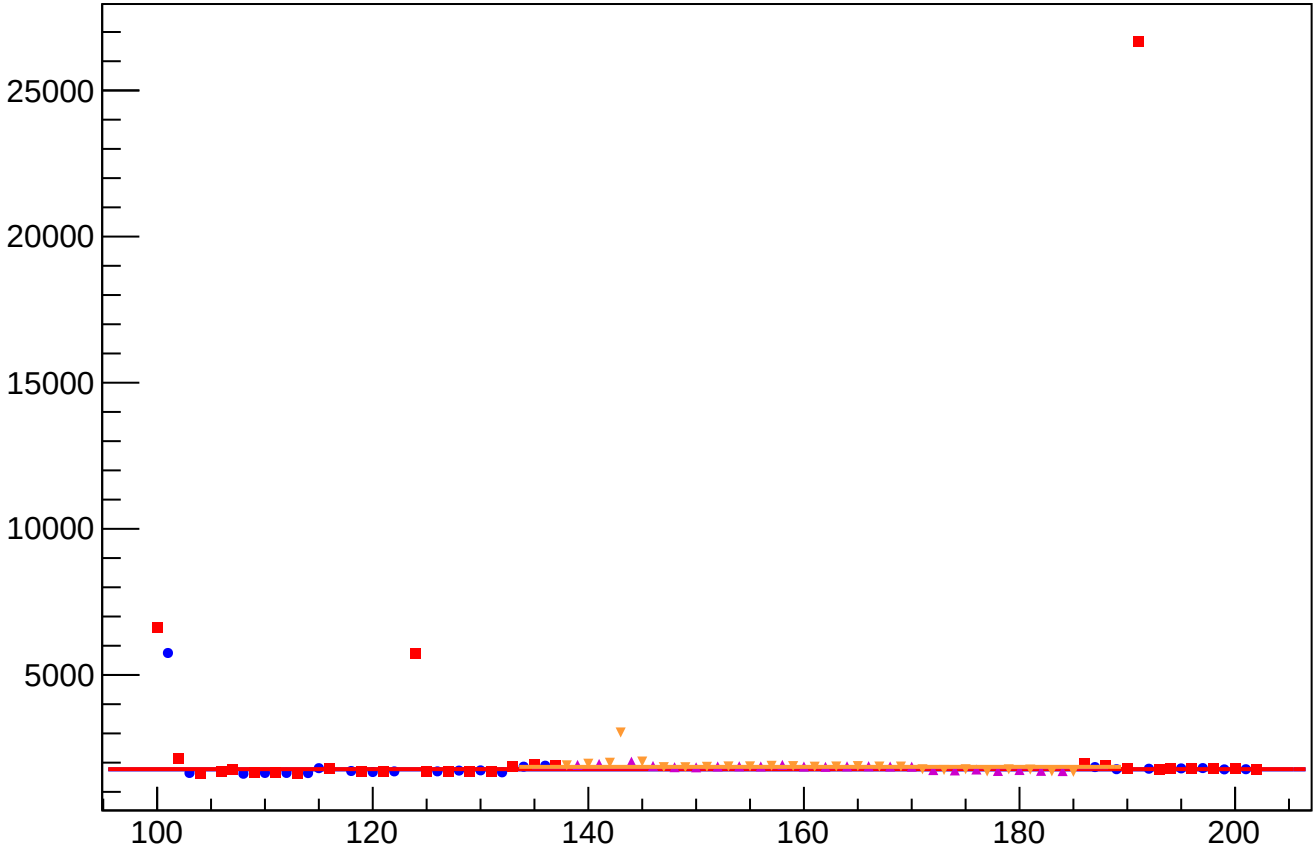
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1792.818+/-325.858 χ^2/NDF: 48.8/47

All: -429.458+/-228.047 χ^2/NDF: 186.4/99

- sign -2562.626+/-319.258 χ^2/NDF: 46.4/51

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.929+/-0.361 χ^2/NDF: 674719.3/22

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.003+/-0.336 χ^2/NDF: 630578.4/28

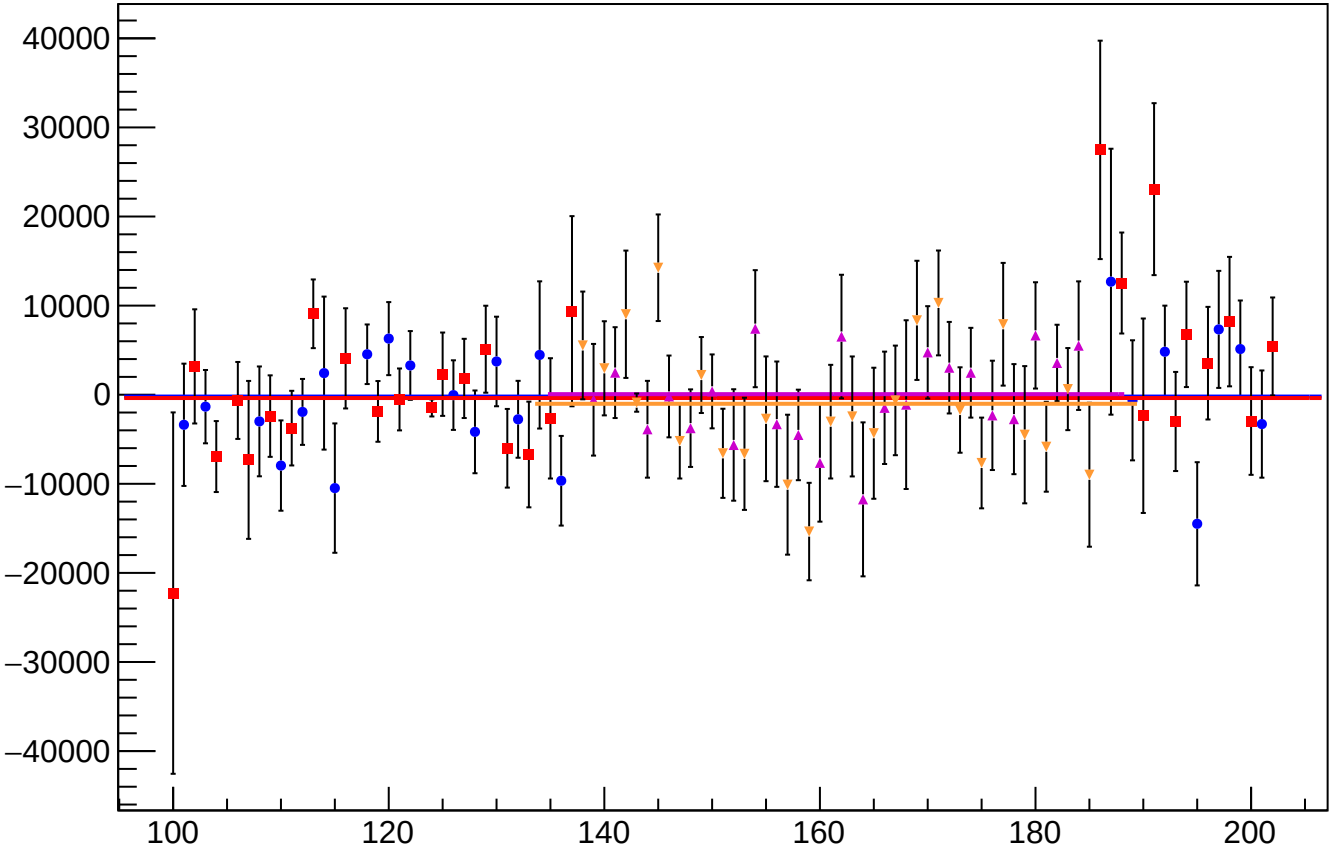
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1819.859+/-0.230 χ^2/NDF: 1033906.7/47

All: 1816.157+/-0.161 χ^2/NDF: 1755276.4/99

- sign 1812.611+/-0.226 χ^2/NDF: 720864.3/51

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -208.048+/-1056.594 χ^2/NDF: 24.5/22

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -373.196+/-691.494 χ^2/NDF: 40.4/28

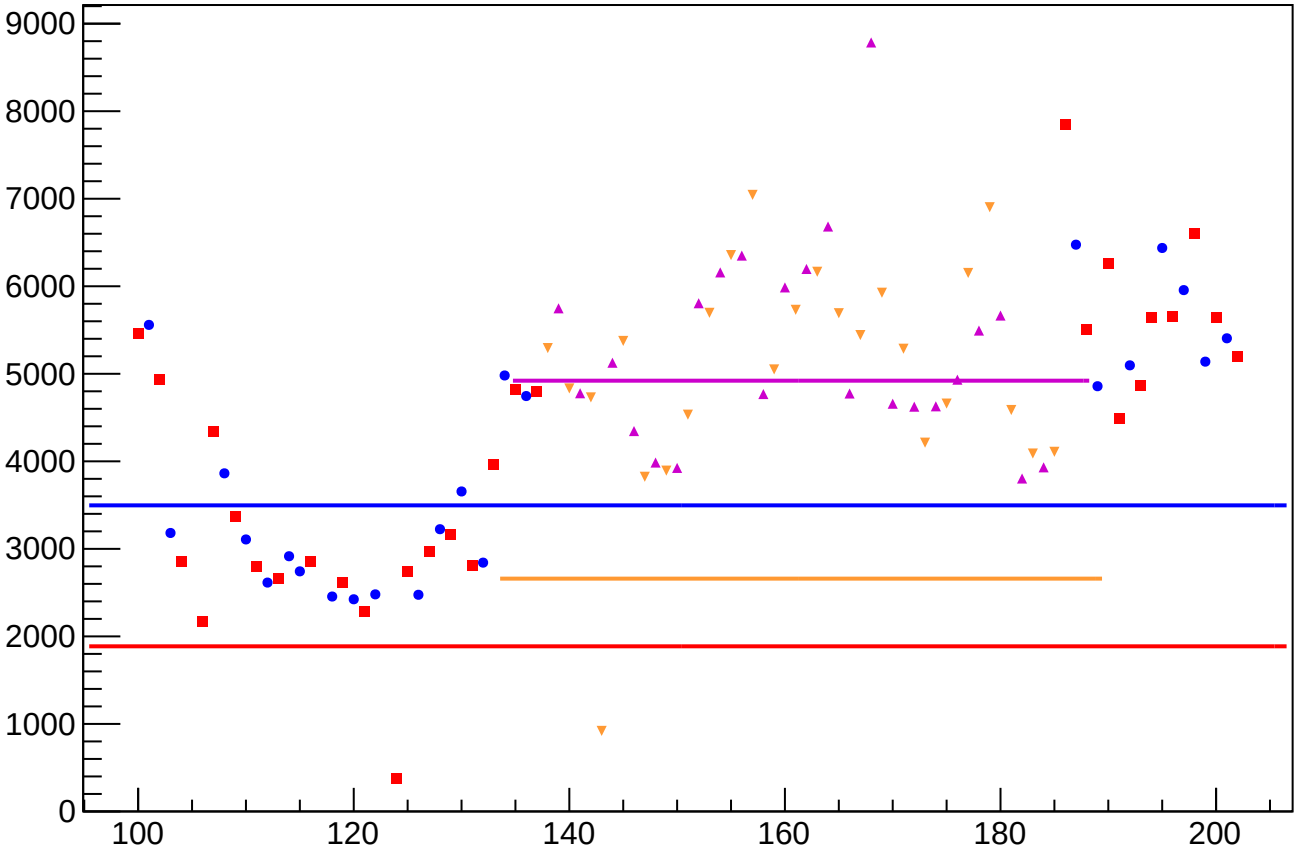
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -736.660+/-623.235 χ^2/NDF: 58.7/47

All: -488.082+/-430.647 χ^2/NDF: 112.5/99

- sign -260.948+/-595.747 χ^2/NDF: 53.6/51

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3496.970+/-0.747 χ^2/NDF: 2581939.7/22

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

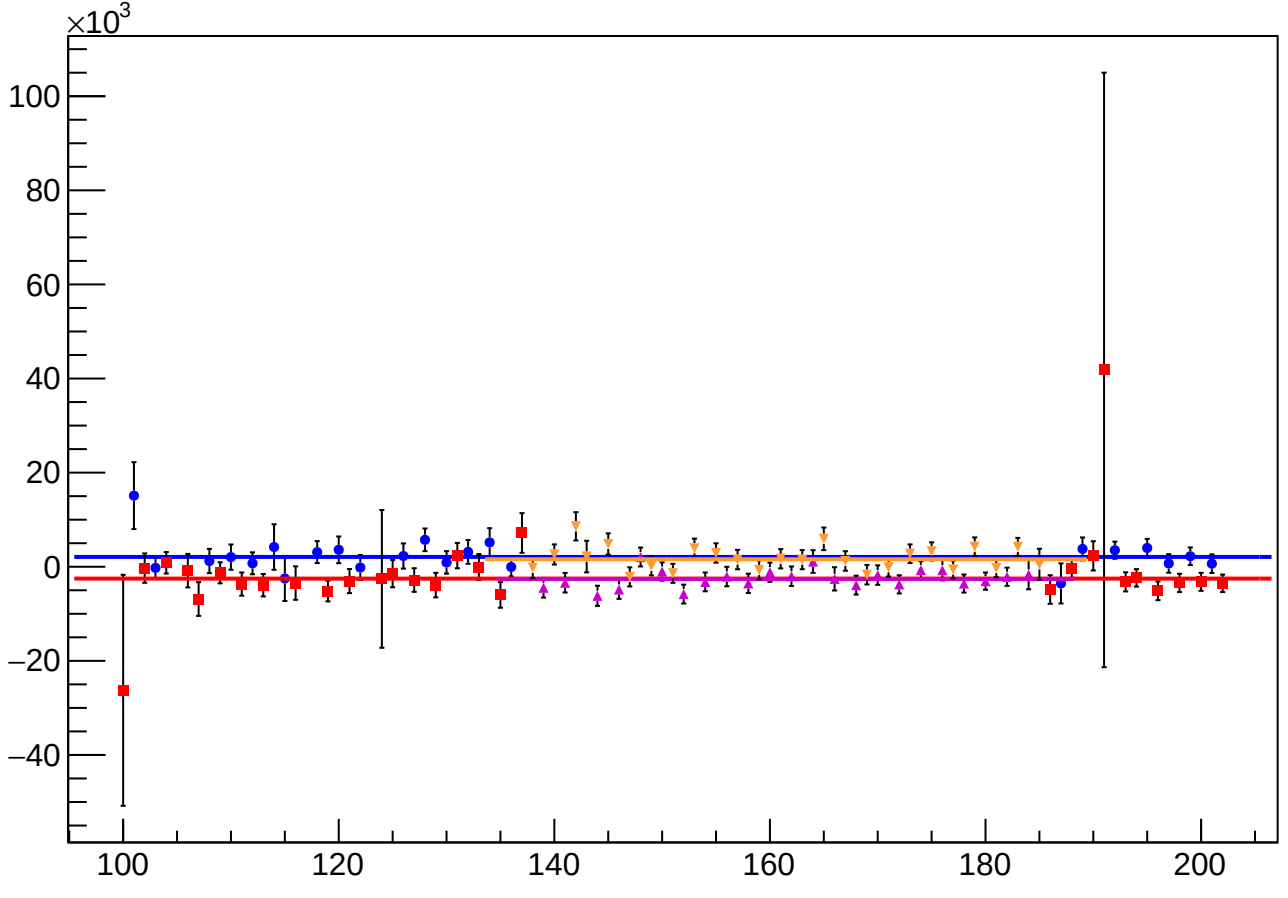
Right Out: 1886.612+/-0.489 χ^2/NDF: 13730218.7/28

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2951.144+/-0.441 χ^2/NDF: 17937268.1/47

All: 2803.622+/-0.305 χ^2/NDF: 43061832.0/9

- sign 2668.827+/-0.421 χ^2/NDF: 24910118.4/51



Right In: 2084.300+/-510.526 χ^2/NDF: 17.0/22

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2519.535+/-476.183 χ^2/NDF: 26.3/28

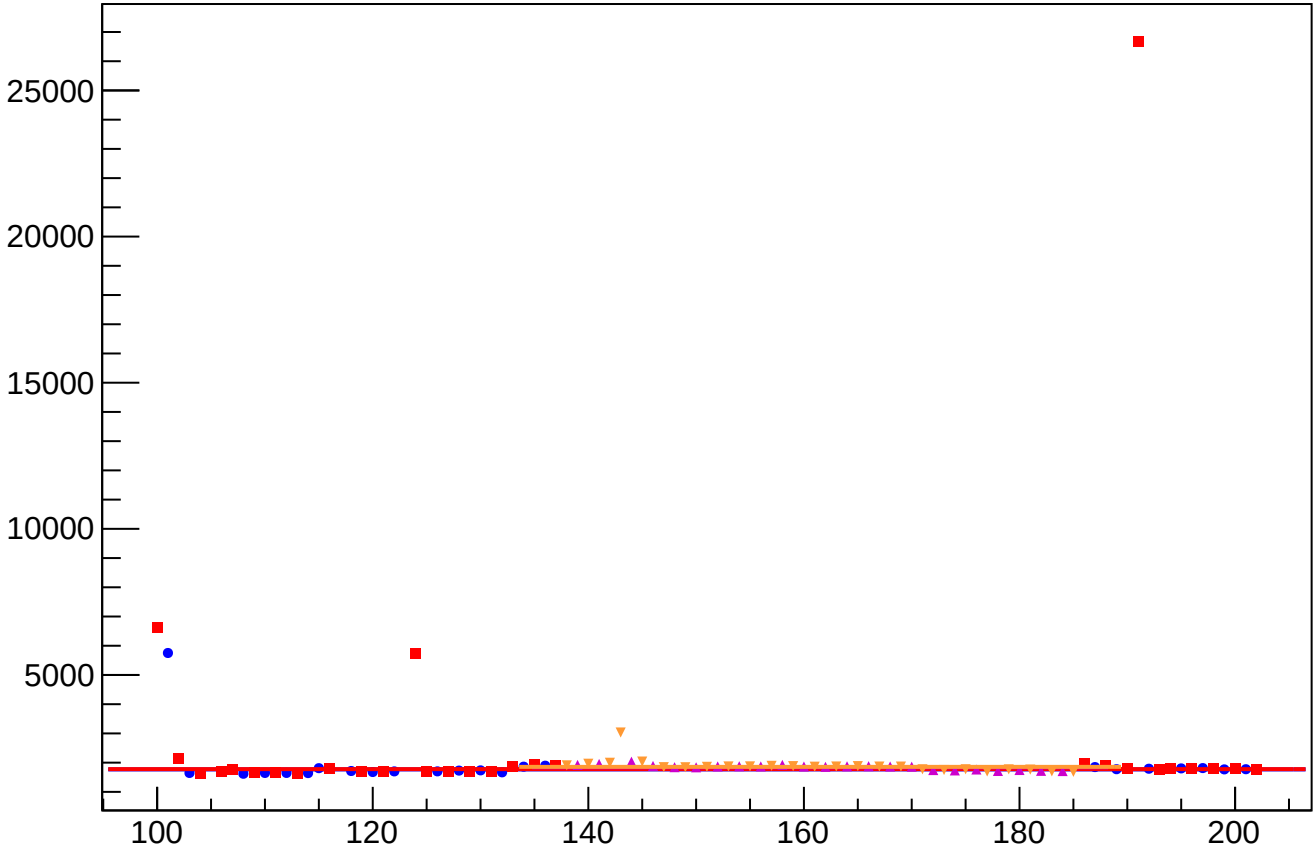
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1792.818+/-325.858 χ^2/NDF: 48.8/47

All: -429.458+/-228.047 χ^2/NDF: 186.4/99

- sign -2562.626+/-319.258 χ^2/NDF: 46.4/51

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.929+/-0.361 χ^2/NDF: 674719.3/22

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

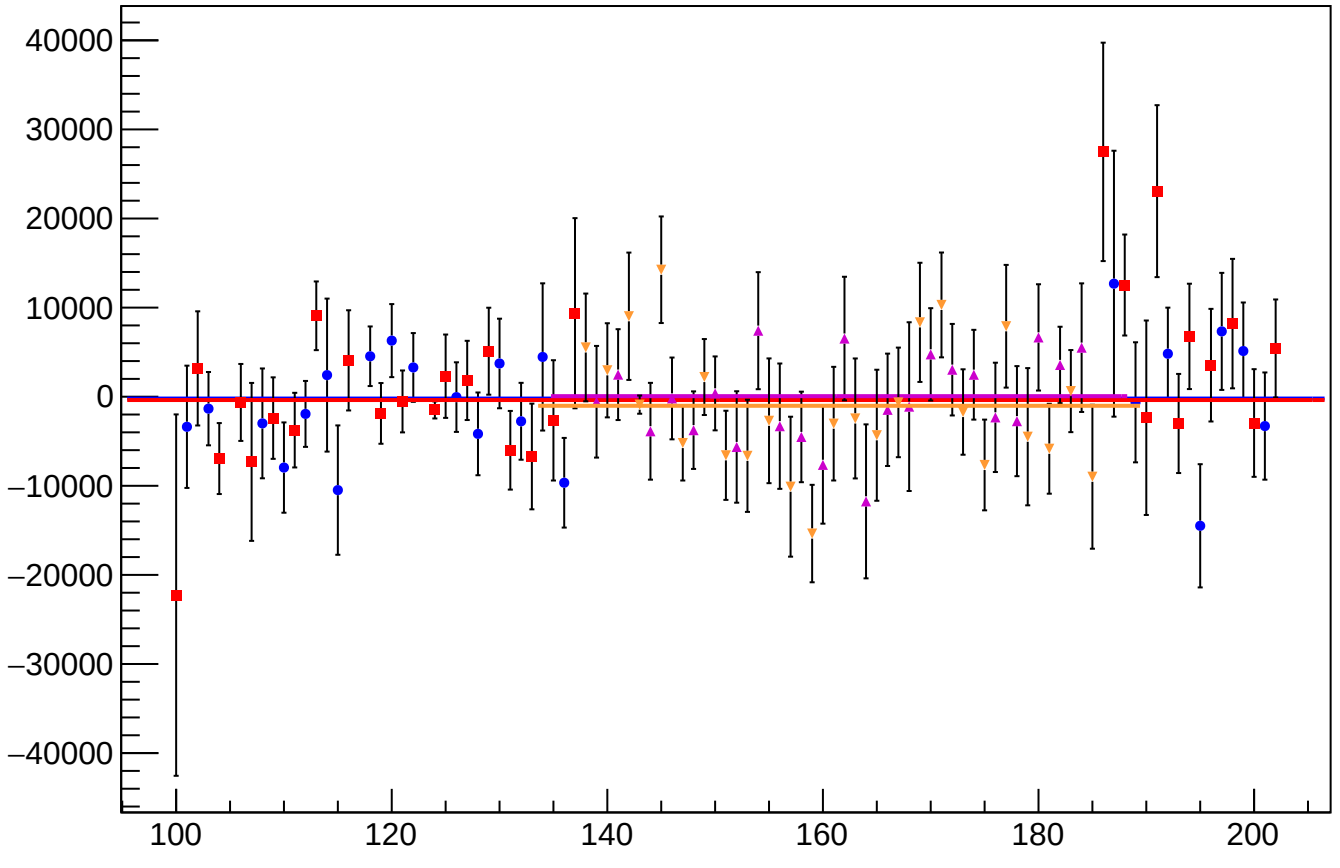
Right Out: 1778.003+/-0.336 χ^2/NDF: 630578.4/28

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1819.859+/-0.230 χ^2/NDF: 1033906.7/47

All: 1816.157+/-0.161 χ^2/NDF: 1755276.4/99

- sign 1812.611+/-0.226 χ^2/NDF: 720864.3/51



Right In: -208.048+/-1056.594 χ^2/NDF: 24.5/22

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -373.196+/-691.494 χ^2/NDF: 40.4/28

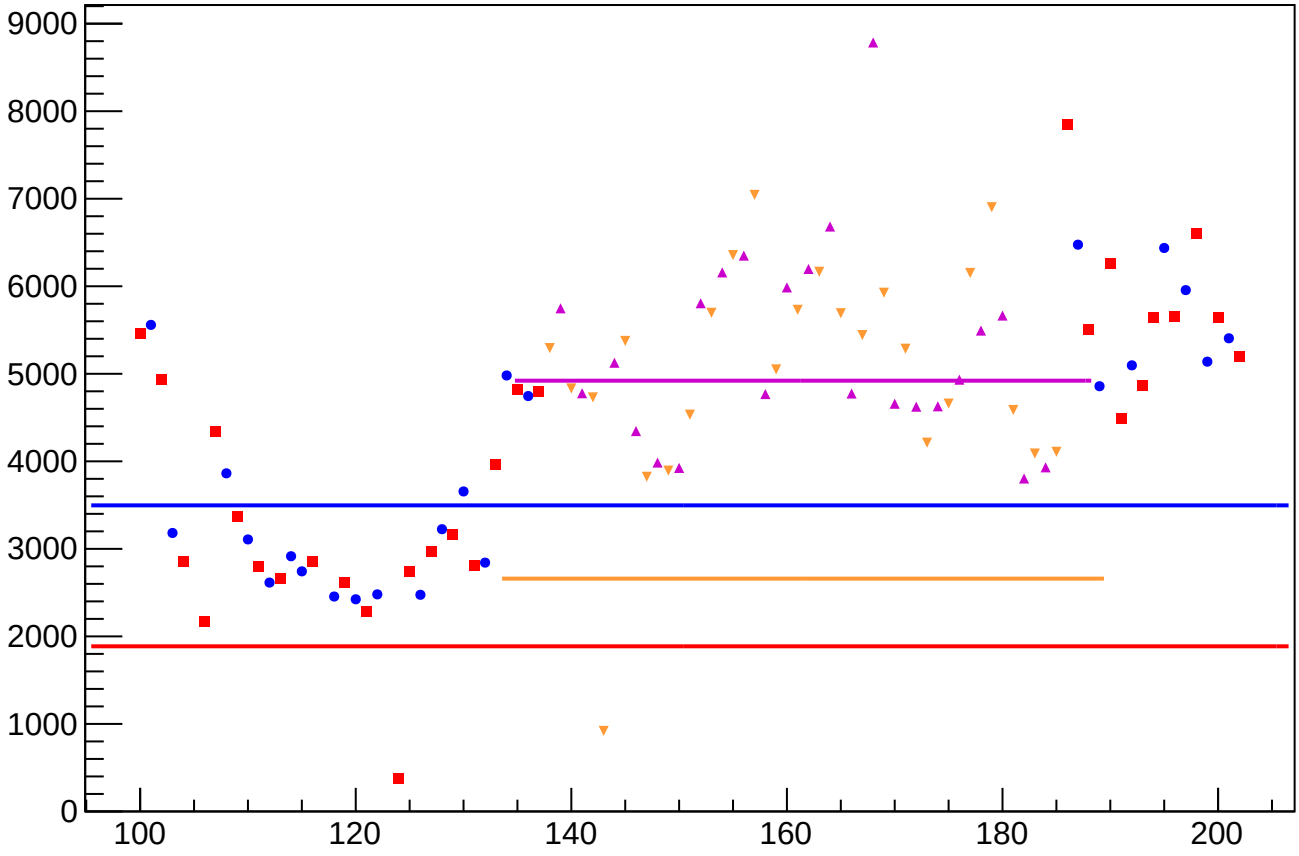
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -736.660+/-623.235 χ^2/NDF: 58.7/47

All: -488.082+/-430.647 χ^2/NDF: 112.5/99

- sign -260.948+/-595.747 χ^2/NDF: 53.6/51

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3496.970+/-0.747 χ^2/NDF: 2581939.7/22

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1886.612+/-0.489 χ^2/NDF: 13730218.7/28

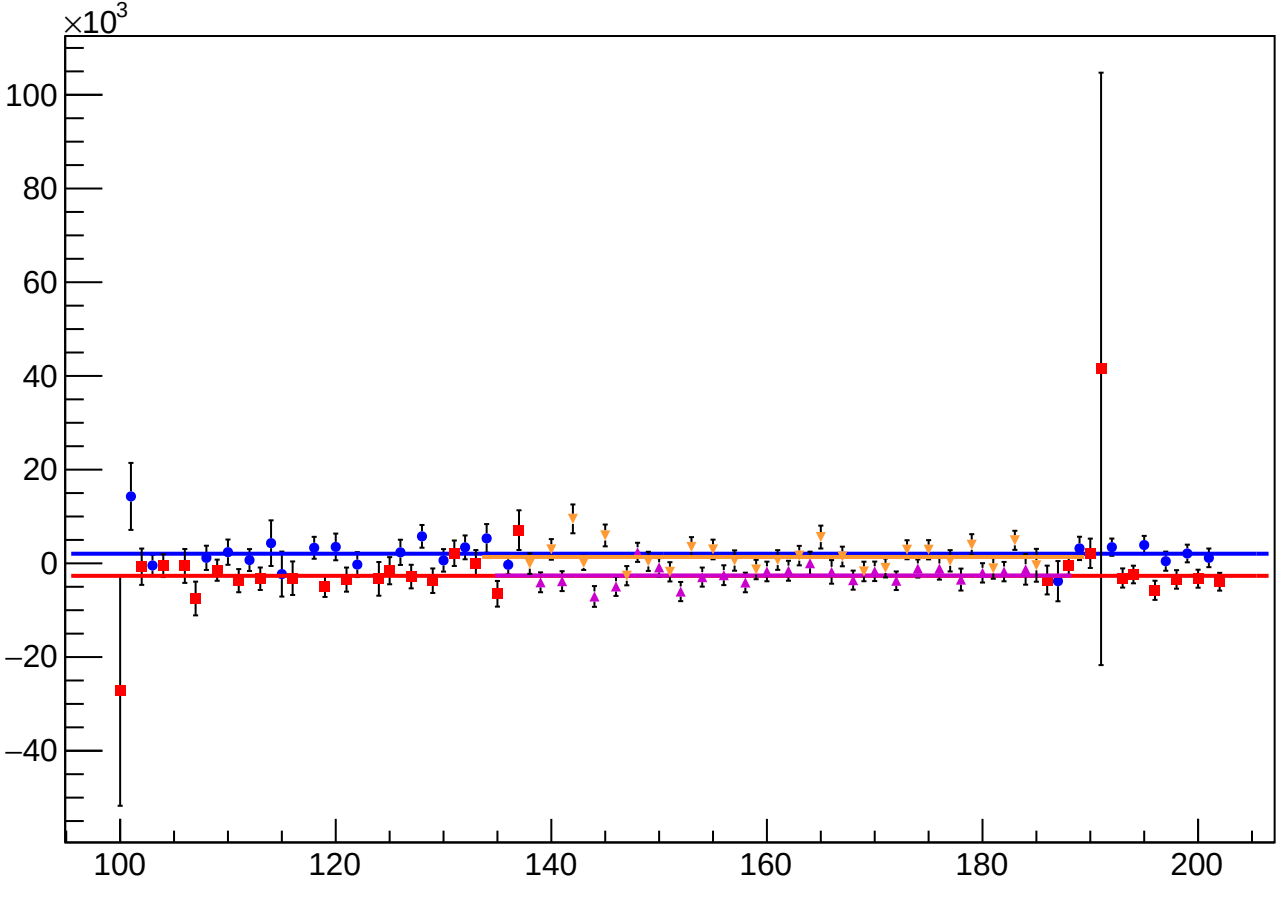
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2951.144+/-0.441 χ^2/NDF: 17937268.1/47

All: 2803.622+/-0.305 χ^2/NDF: 43061832.0/9

- sign 2668.827+/-0.421 χ^2/NDF: 24910118.4/51

dit_asym_atr1l2_avg_mean vs Slug



Right In: 2055.408+/-516.535 χ^2/NDF: 16.8/22

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2663.991+/-479.441 χ^2/NDF: 24.8/28

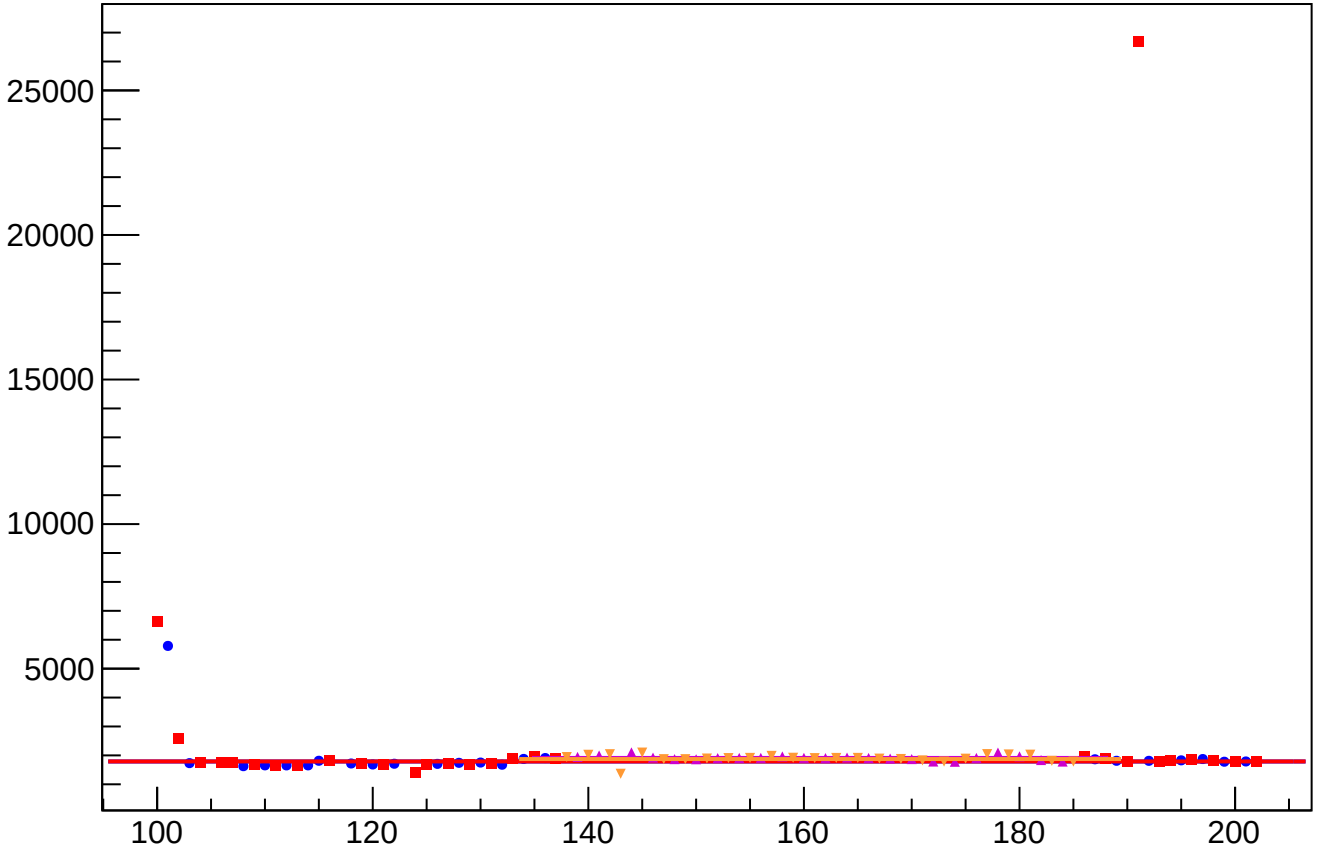
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1644.872+/-329.260 χ^2/NDF: 54.0/47

All: -508.944+/-231.963 χ^2/NDF: 183.8/99

- sign -2631.257+/-326.843 χ^2/NDF: 44.9/51

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1788.530+/-0.365 χ^2/NDF: 674654.7/22

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.976+/-0.339 χ^2/NDF: 554936.0/28

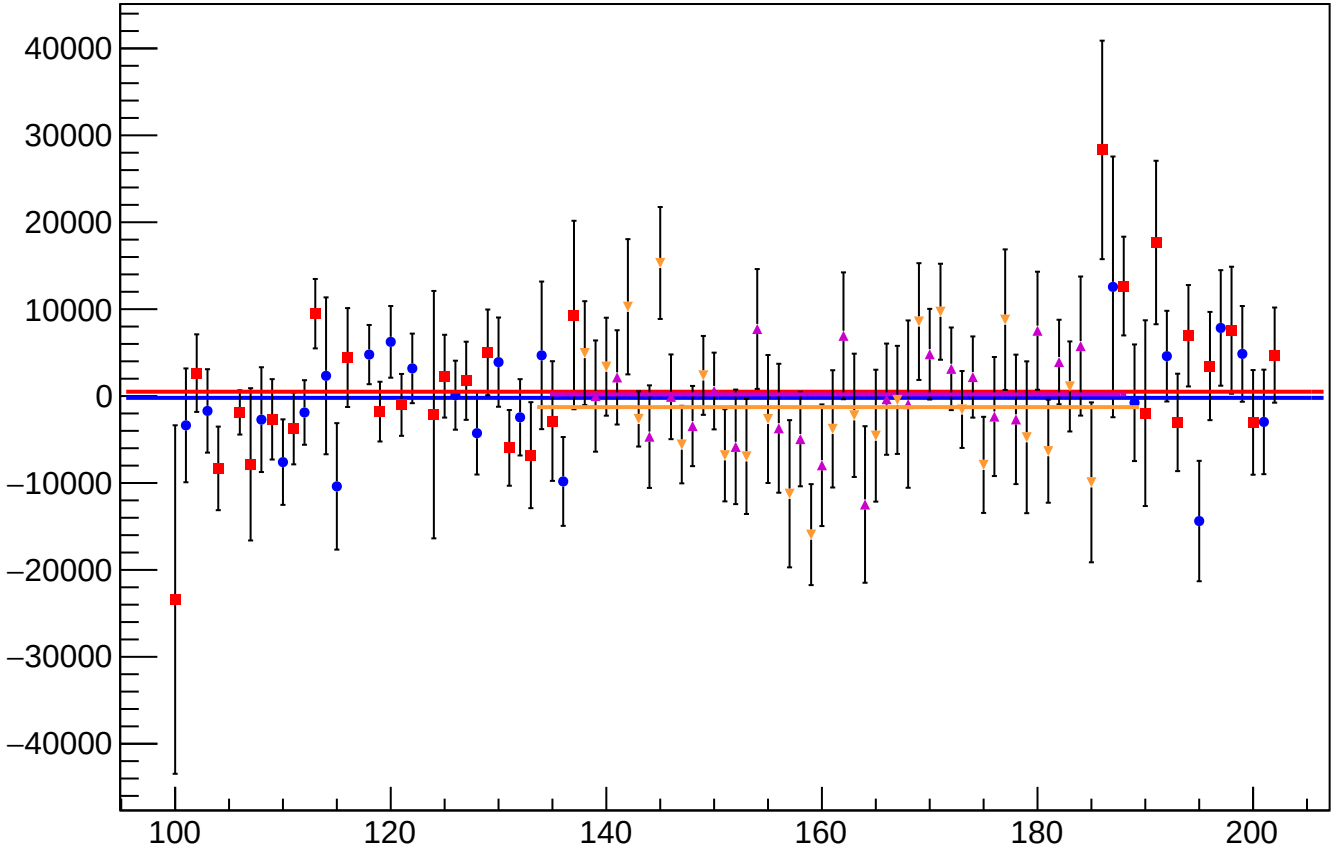
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1838.783+/-0.233 χ^2/NDF: 1016274.9/47

All: 1847.139+/-0.164 χ^2/NDF: 1700574.2/99

- sign 1855.362+/-0.231 χ^2/NDF: 681743.5/51

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -204.246+/-1076.009 χ^2/NDF: 24.1/22

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 502.332+/-954.156 χ^2/NDF: 36.7/28

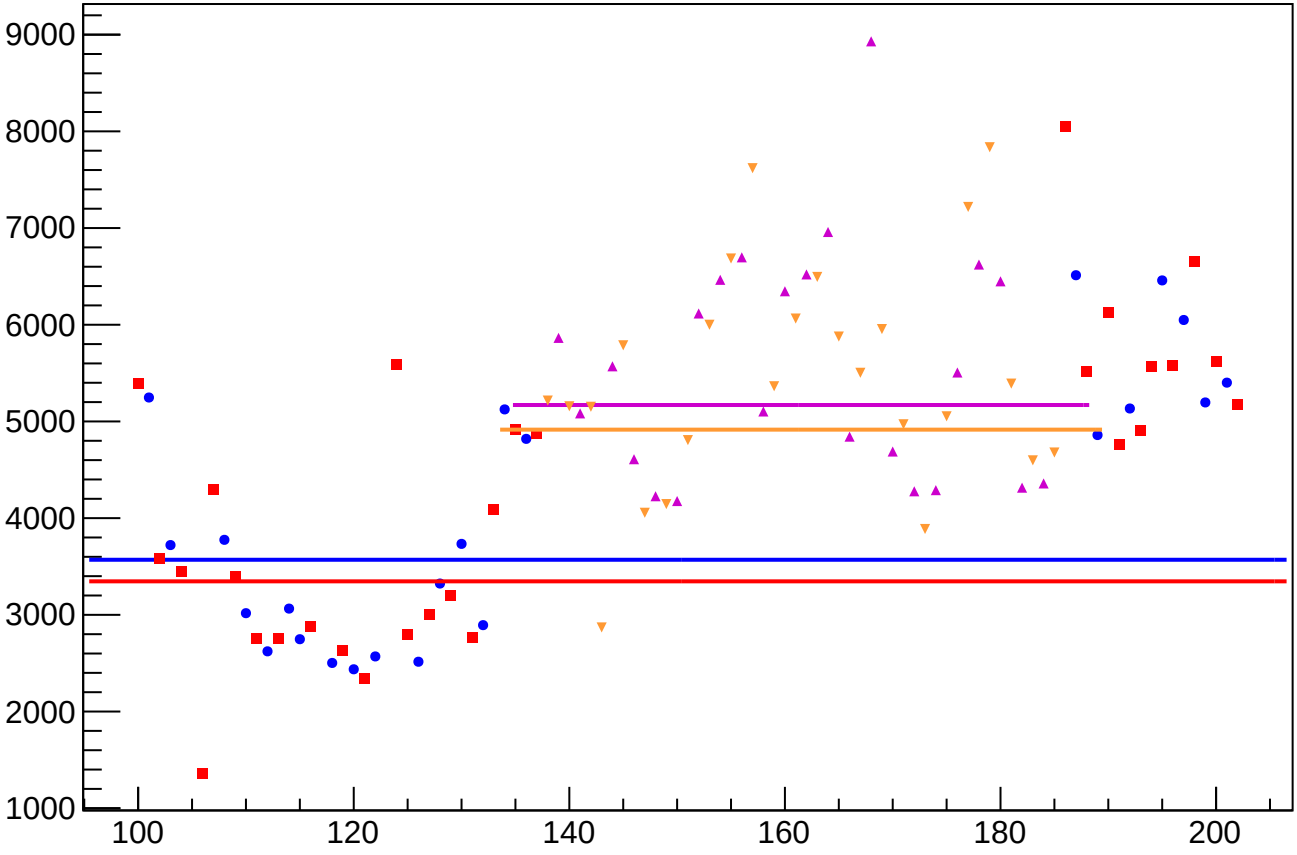
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -698.805+/-787.657 χ^2/NDF: 58.0/47

All: -132.310+/-545.027 χ^2/NDF: 108.4/99

- sign 388.118+/-754.952 χ^2/NDF: 49.5/51

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3569.624+/-0.761 χ^2/NDF: 2494433.0/22

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3346.426+/-0.675 χ^2/NDF: 4282815.4/28

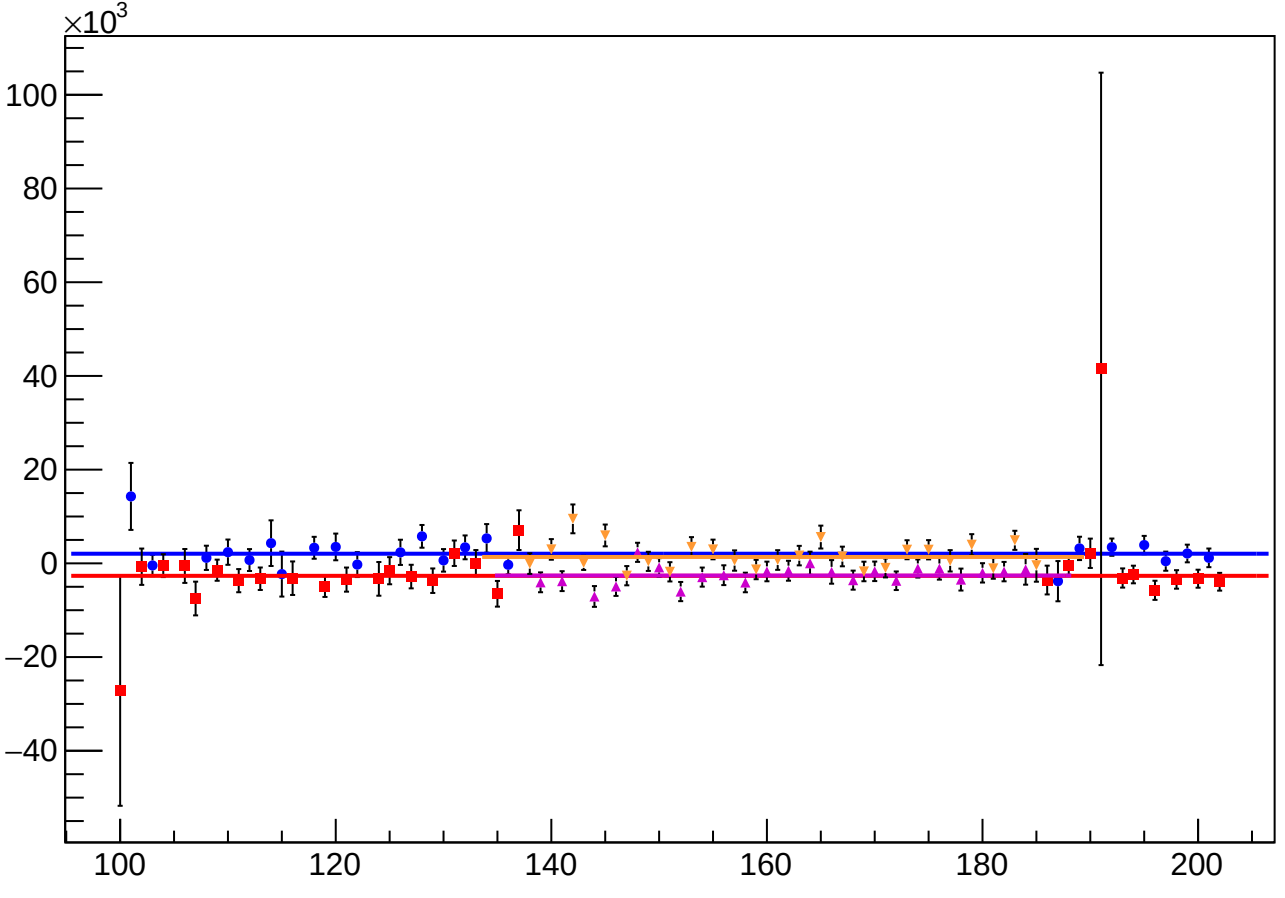
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4194.195+/-0.557 χ^2/NDF: 6112447.7/47

All: 4107.777+/-0.385 χ^2/NDF: 14522167.0/9

- sign 4028.386+/-0.534 χ^2/NDF: 8363527.1/51

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2055.407+/-516.535 χ^2/NDF: 16.8/22

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2663.991+/-479.441 χ^2/NDF: 24.8/28

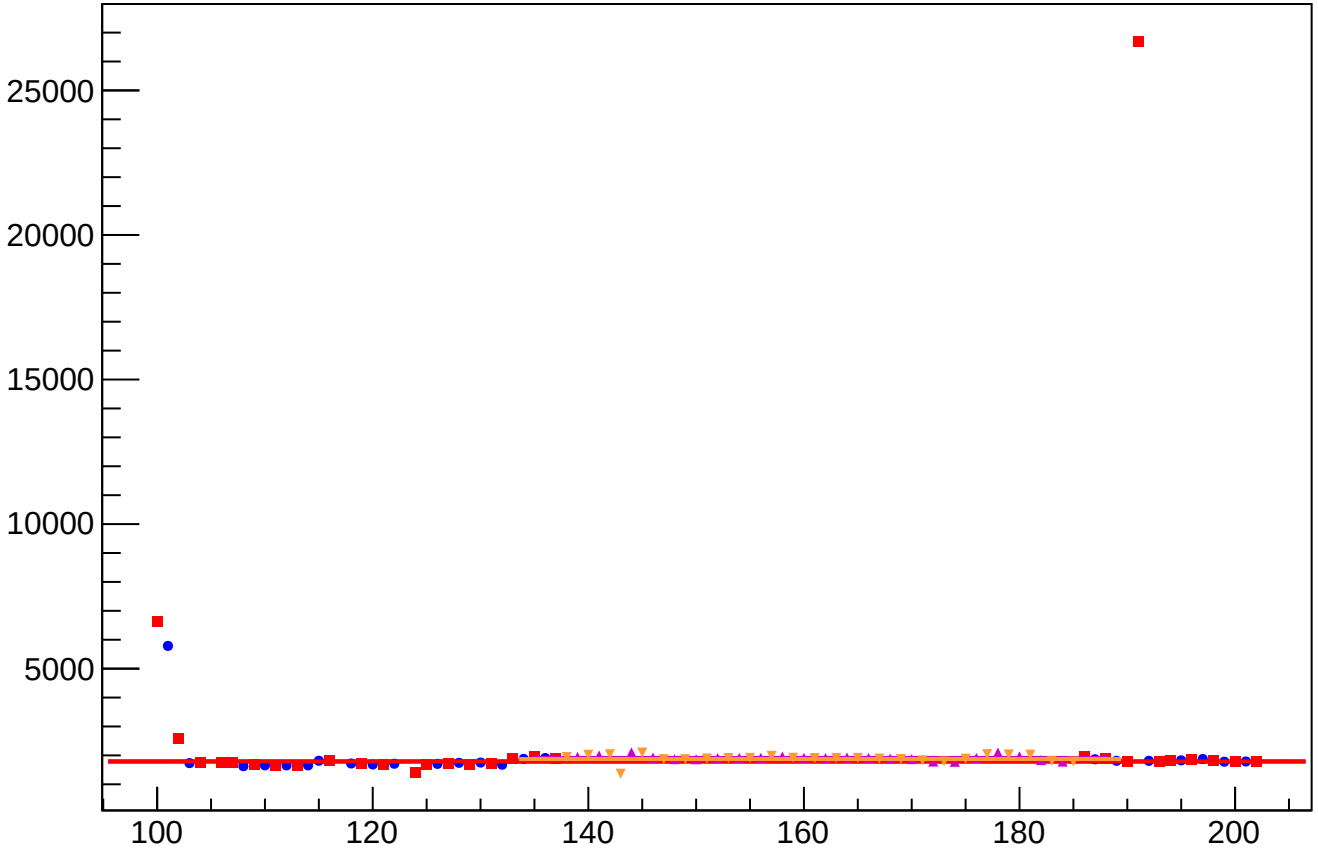
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1644.870+/-329.260 χ^2/NDF: 54.0/47

All: -508.944+/-231.963 χ^2/NDF: 183.8/99

- sign -2631.256+/-326.843 χ^2/NDF: 44.9/51

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1788.530+/-0.365 χ^2/NDF: 674654.8/22

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

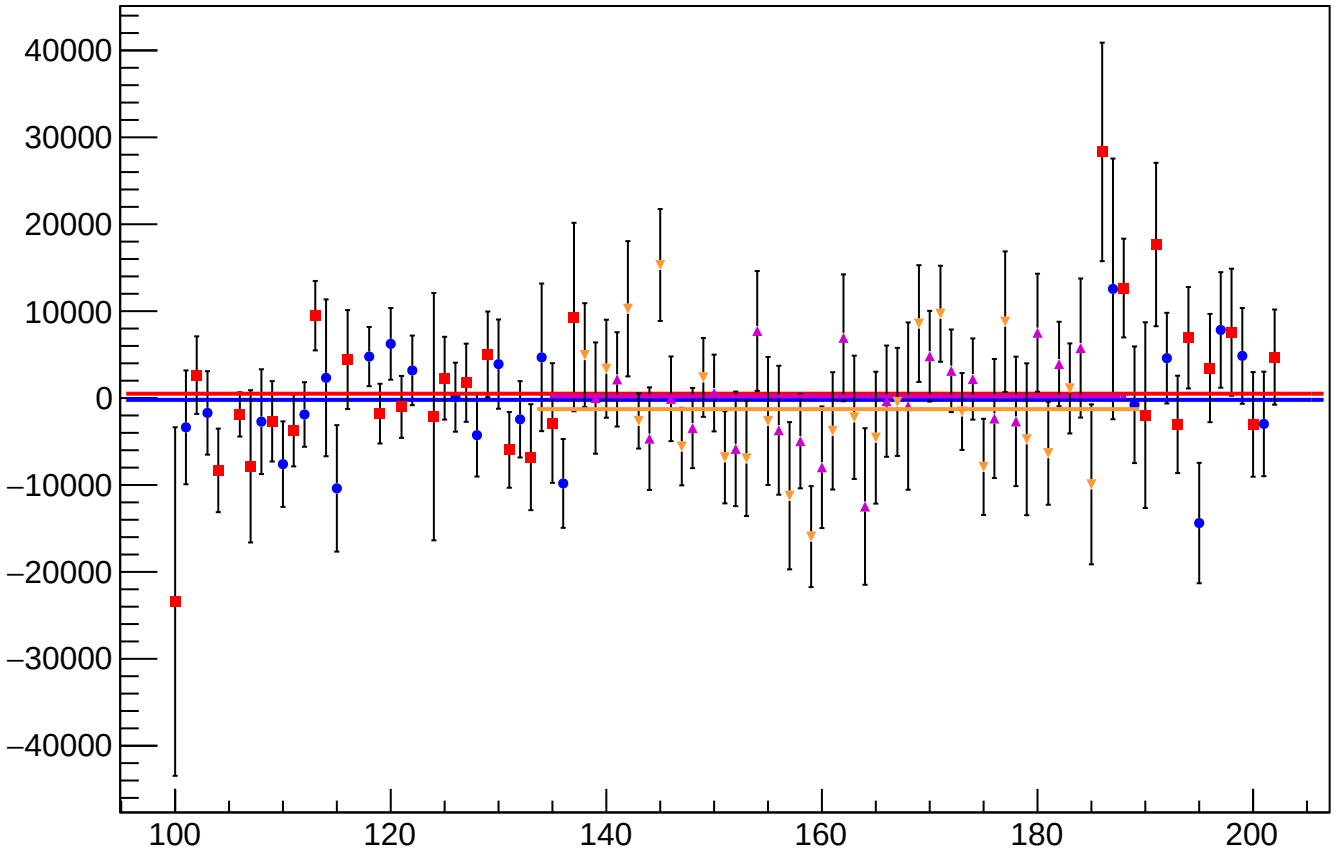
Right Out: 1790.976+/-0.339 χ^2/NDF: 554936.0/28

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1838.783+/-0.233 χ^2/NDF: 1016279.2/47

All: 1847.139+/-0.164 χ^2/NDF: 1700581.9/99

- sign 1855.362+/-0.231 χ^2/NDF: 681747.0/51



Right In: -204.243+/-1076.006 χ^2/NDF: 24.1/22

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 502.324+/-954.153 χ^2/NDF: 36.7/28

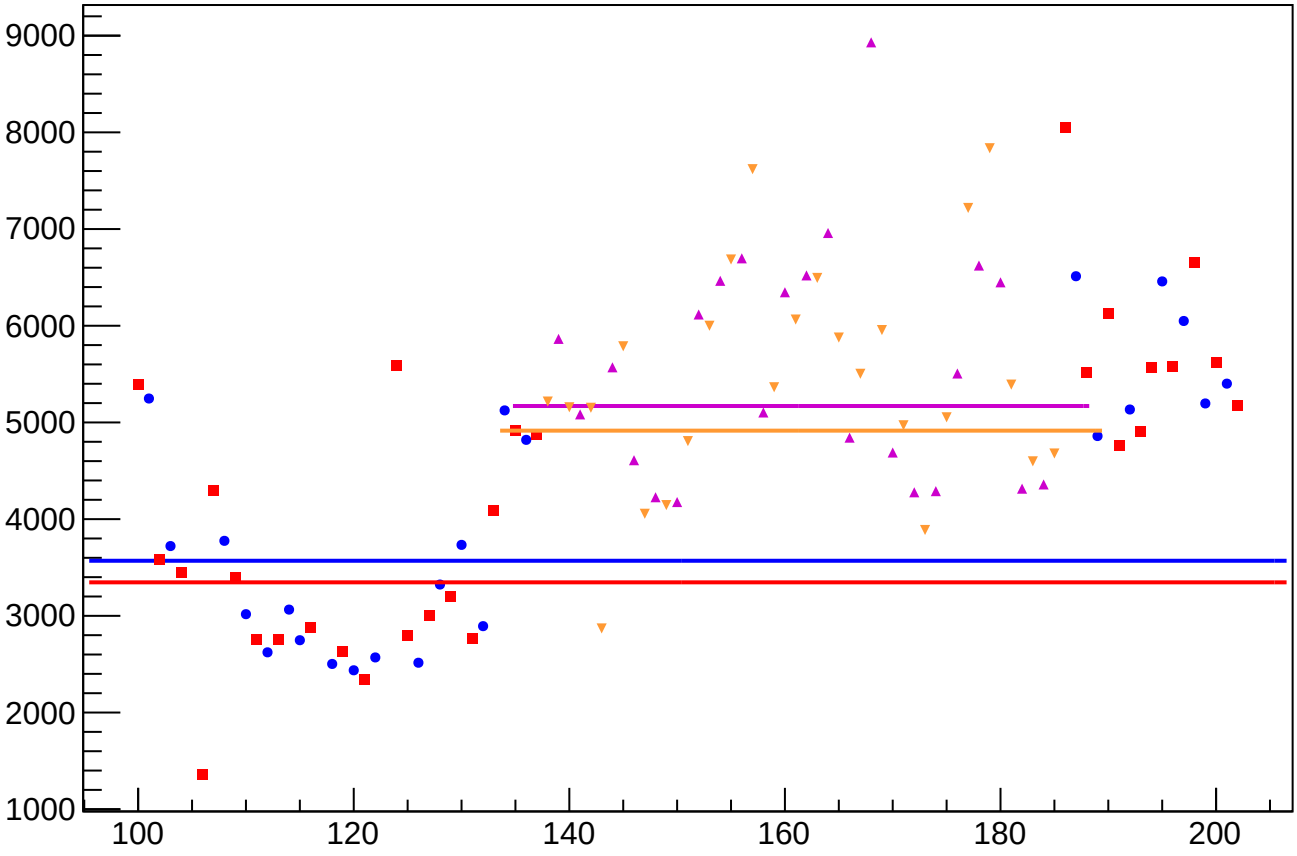
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -698.804+/-787.656 χ^2/NDF: 58.0/47

All: -132.311+/-545.026 χ^2/NDF: 108.4/99

- sign 388.114+/-754.951 χ^2/NDF: 49.5/51

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3569.613+/-0.761 χ^2/NDF: 2494465.2/22

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3346.412+/-0.675 χ^2/NDF: 4282871.0/28

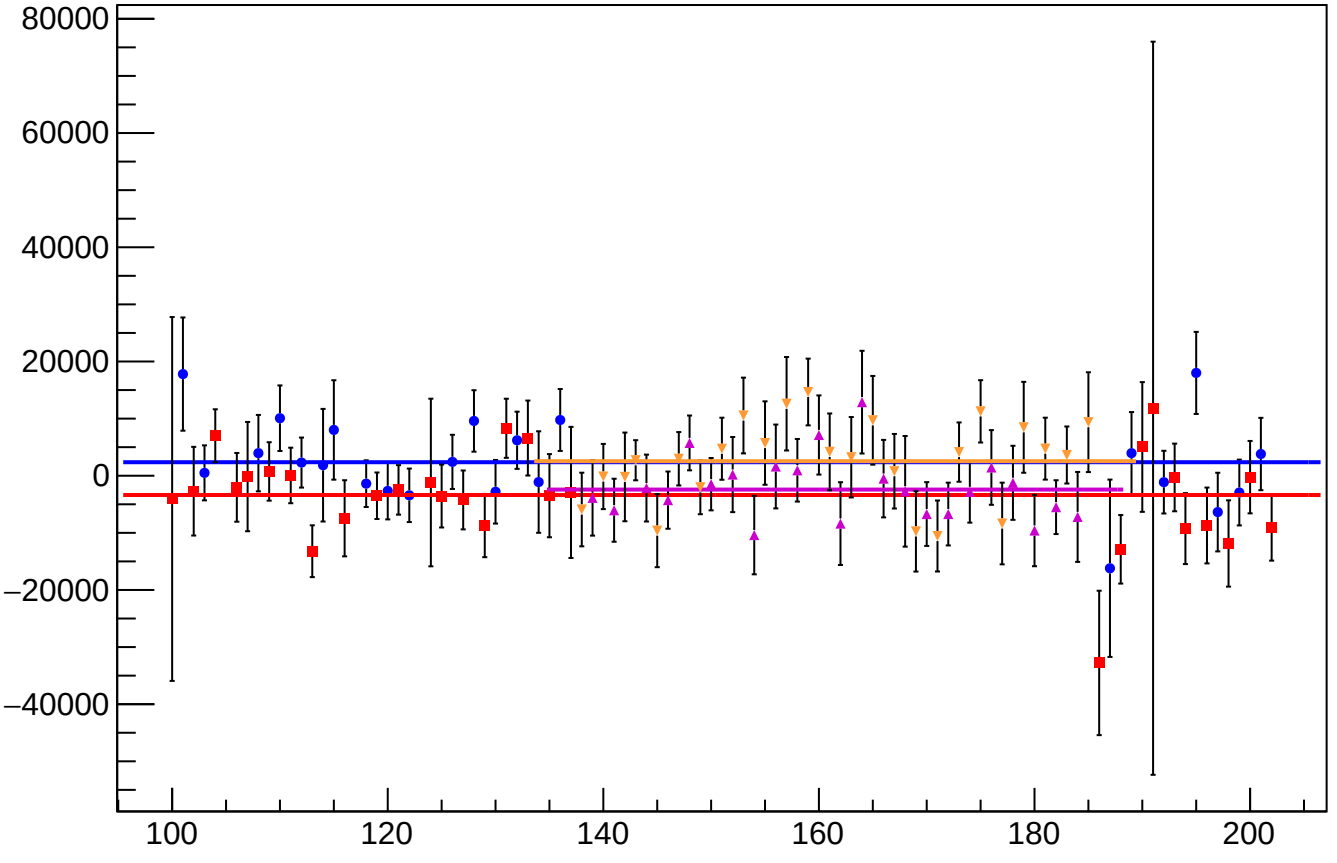
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4194.190+/-0.557 χ^2/NDF: 6112525.9/47

All: 4107.769+/-0.385 χ^2/NDF: 14522368.7/9

- sign 4028.377+/-0.534 χ^2/NDF: 8363648.5/51

asym_atr1l2_avg_mean vs Slug



Right In: 2365.974+/-1215.033 χ^2/NDF: 22.6/22

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3374.683+/-1151.665 χ^2/NDF: 32.6/28

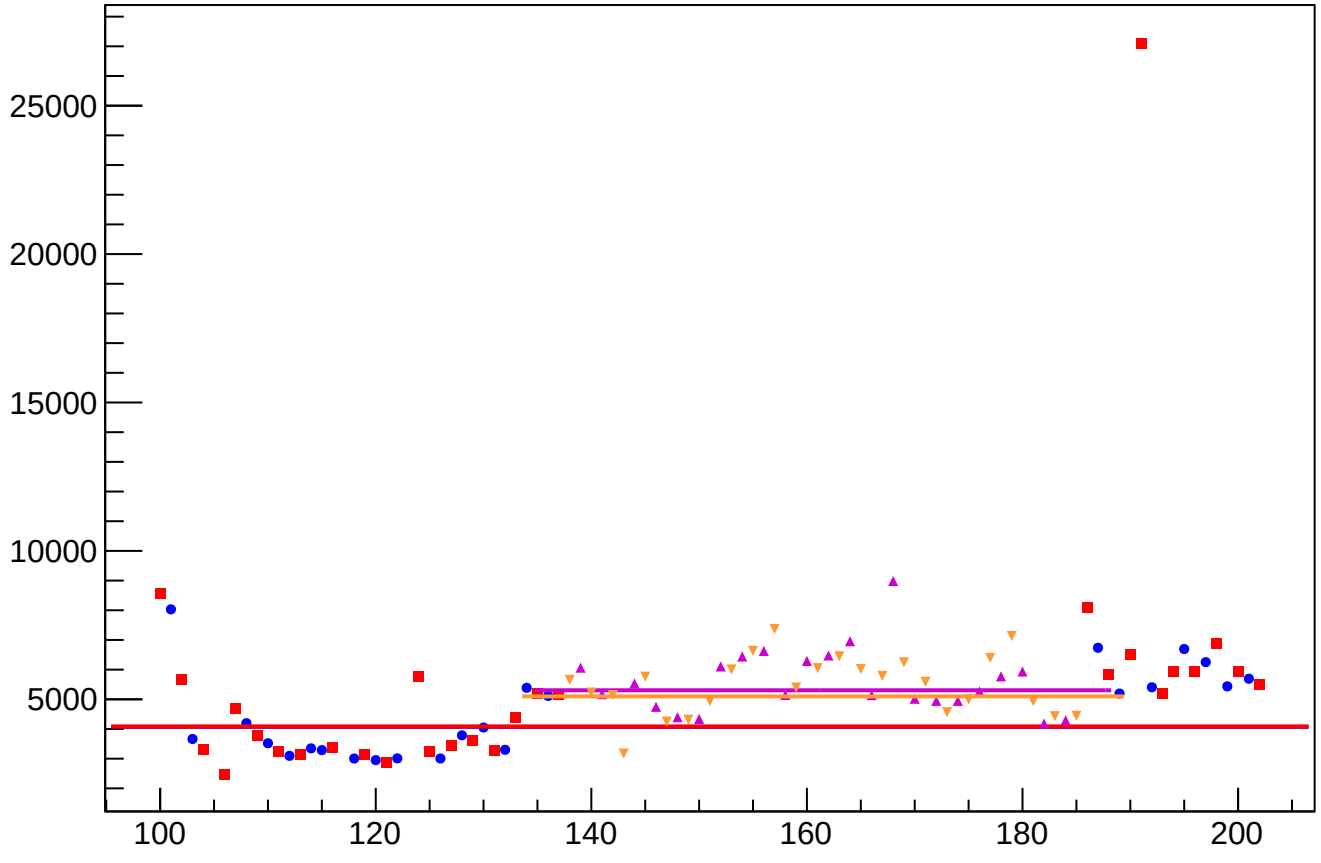
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2458.585+/-849.318 χ^2/NDF: 51.7/47

All: -239.334+/-600.788 χ^2/NDF: 119.9/99

- sign -2941.384+/-849.968 χ^2/NDF: 48.0/51

asym_atr1l2_avg_rms vs Slug



Right In: 4074.020+/-0.859 χ^2/NDF: 2026759.2/22

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

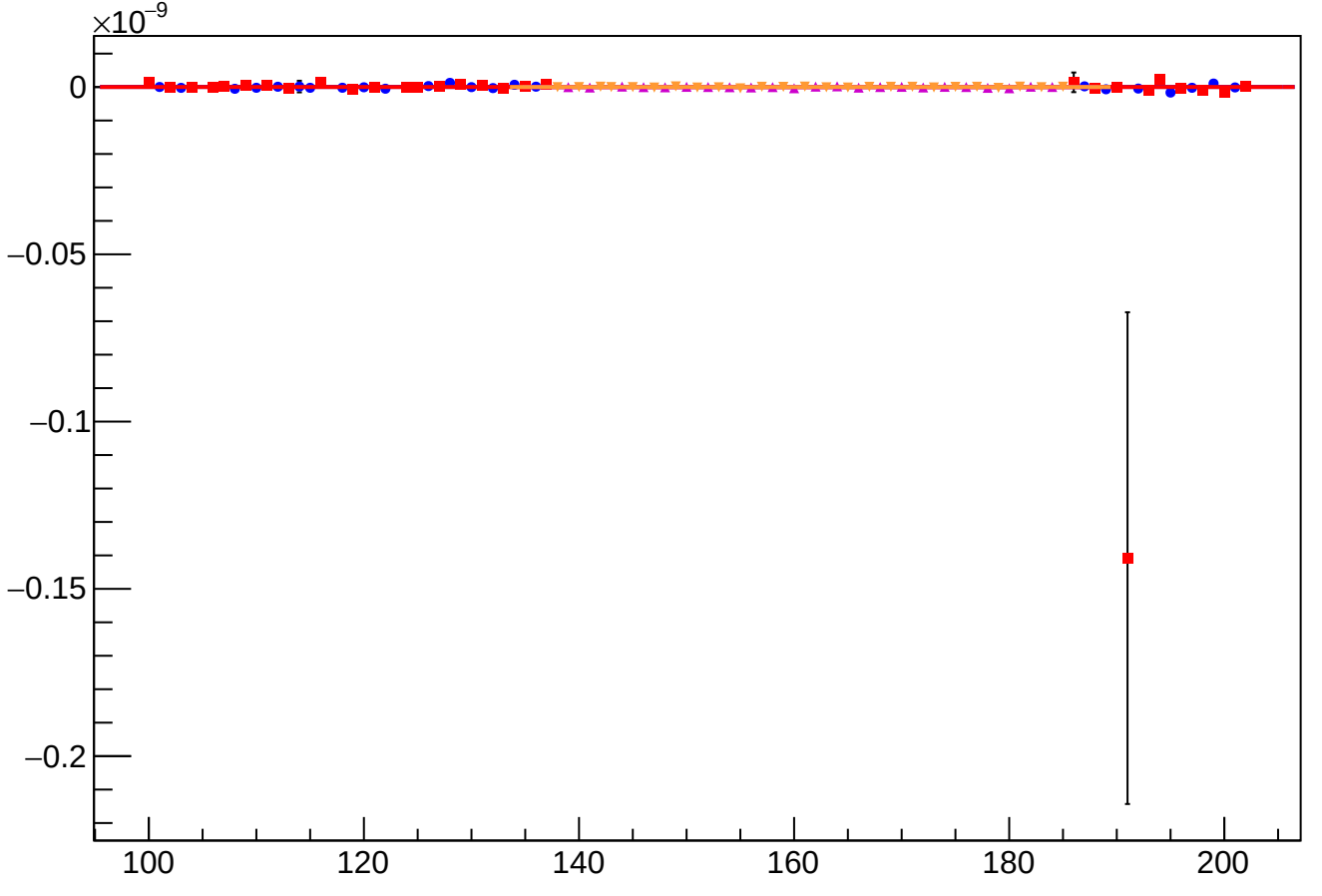
Right Out: 4083.180+/-0.805 χ^2/NDF: 2795512.4/28

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4597.668+/-0.601 χ^2/NDF: 4297558.0/47

All: 4615.012+/-0.423 χ^2/NDF: 9146923.9/99

- sign 4632.166+/-0.597 χ^2/NDF: 4847706.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

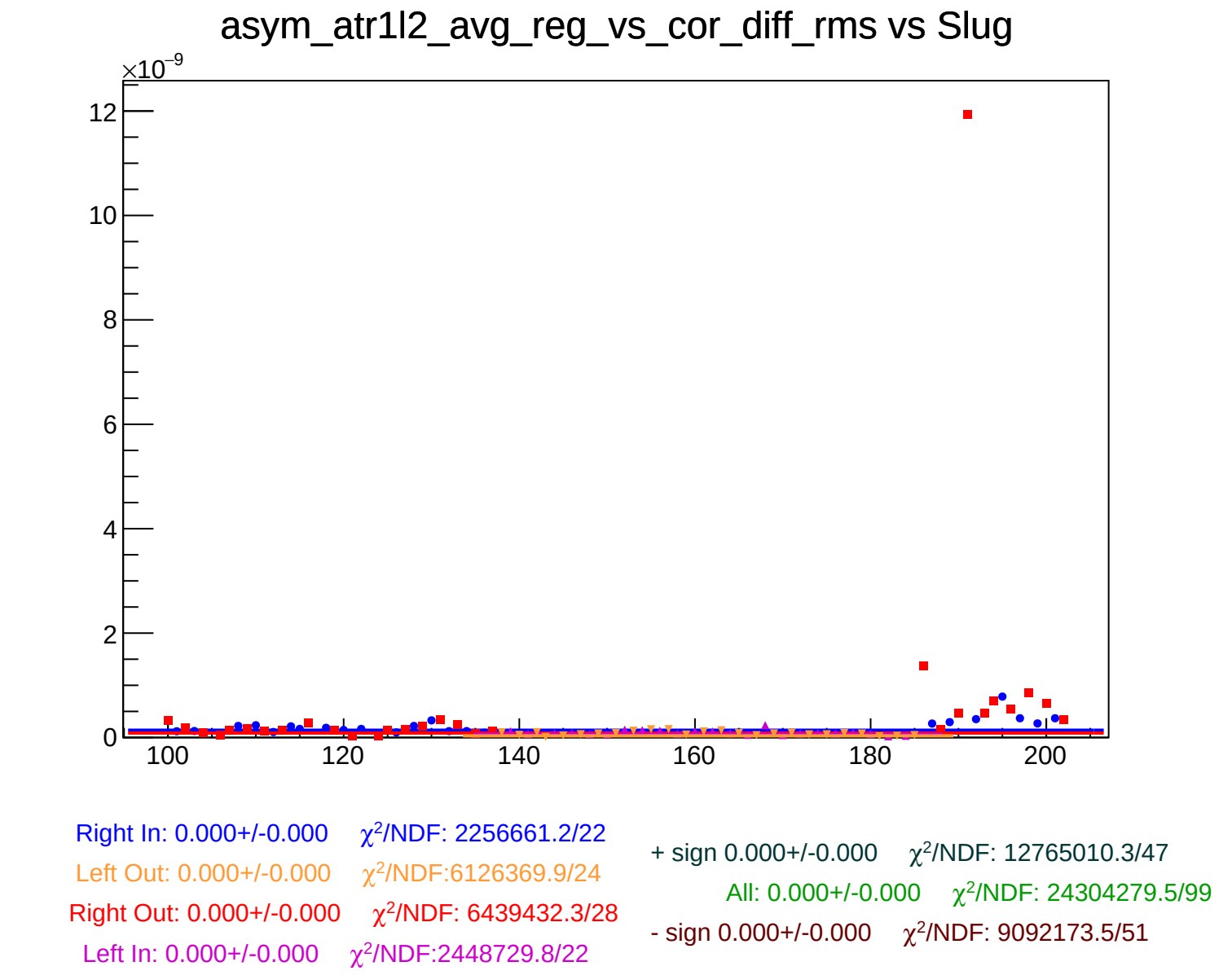
Right Out: 0.000+/-0.000 χ^2/NDF: 38.2/28

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

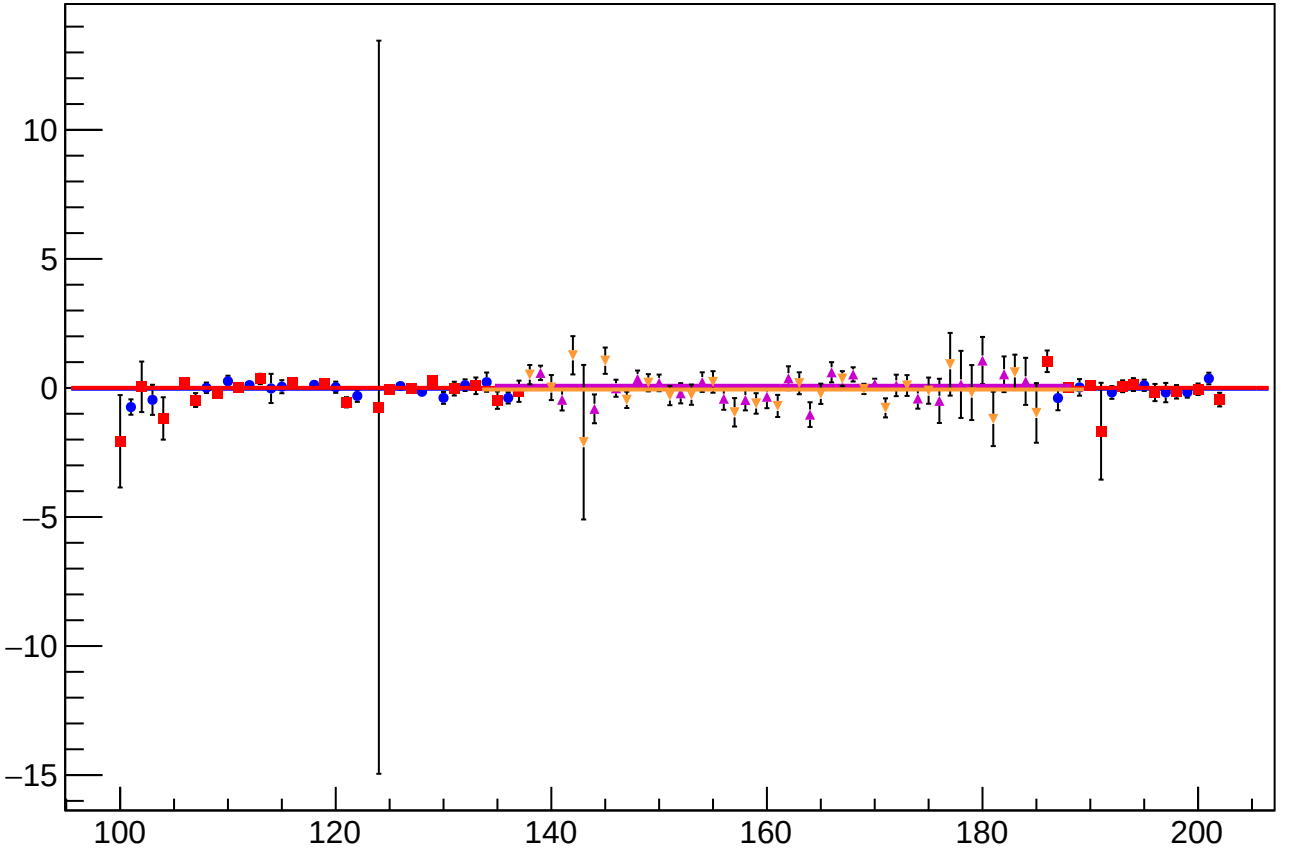
+ sign 0.000+/-0.000 χ^2/NDF: 40.8/47

All: 0.000+/-0.000 χ^2/NDF: 102.0/99

- sign 0.000+/-0.000 χ^2/NDF: 61.2/51


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2256661.2/22
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6439432.3/28
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
+ sign 0.000+/-0.000 χ²/NDF: 12765010.3/47
All: 0.000+/-0.000 χ²/NDF: 24304279.5/99
- sign 0.000+/-0.000 χ²/NDF: 9092173.5/51

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.049 χ^2/NDF: 23.0/22

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.004+/-0.041 χ^2/NDF: 39.8/28

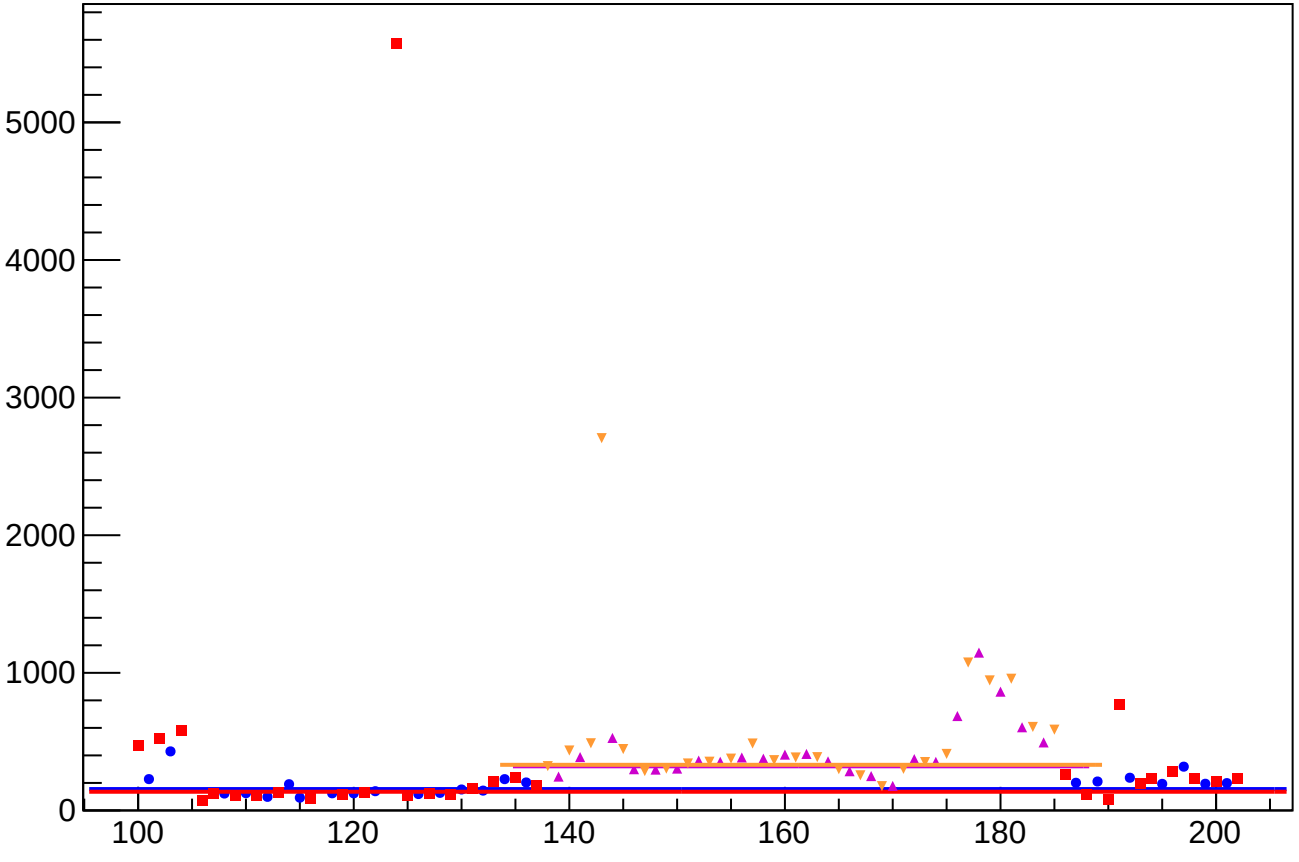
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.038+/-0.042 χ^2/NDF: 53.8/47

All: -0.005+/-0.028 χ^2/NDF: 122.6/99

- sign 0.021+/-0.037 χ^2/NDF: 67.6/51

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 155.436+/-0.034 χ^2/NDF: 2357006.8/22

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.943+/-0.029 χ^2/NDF: 4601019.2/28

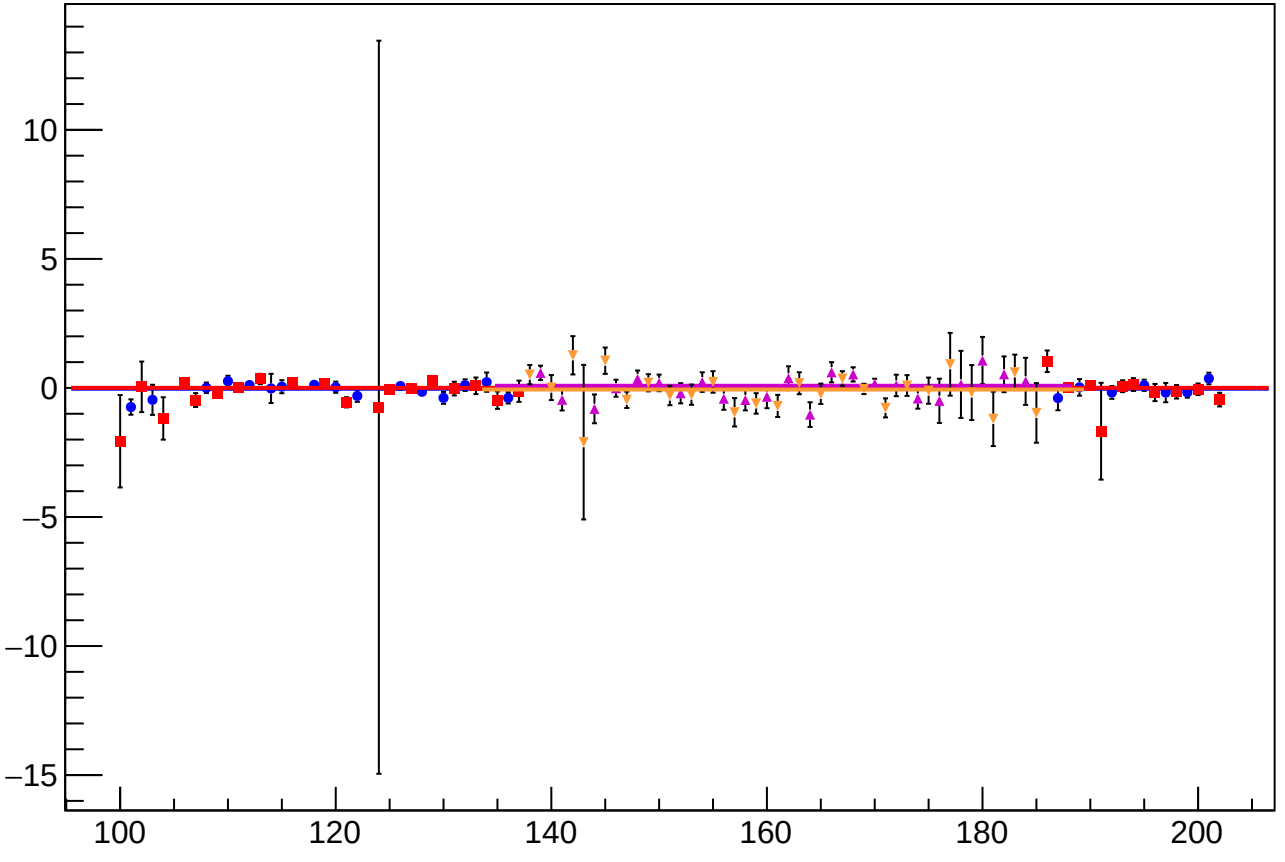
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 199.933+/-0.030 χ^2/NDF: 14822611.8/47

All: 185.439+/-0.020 χ^2/NDF: 32315375.6/99

- sign 174.254+/-0.026 χ^2/NDF: 17071925.6/51

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.031+/-0.049 χ^2/NDF: 23.0/22

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.004+/-0.041 χ^2/NDF: 39.8/28

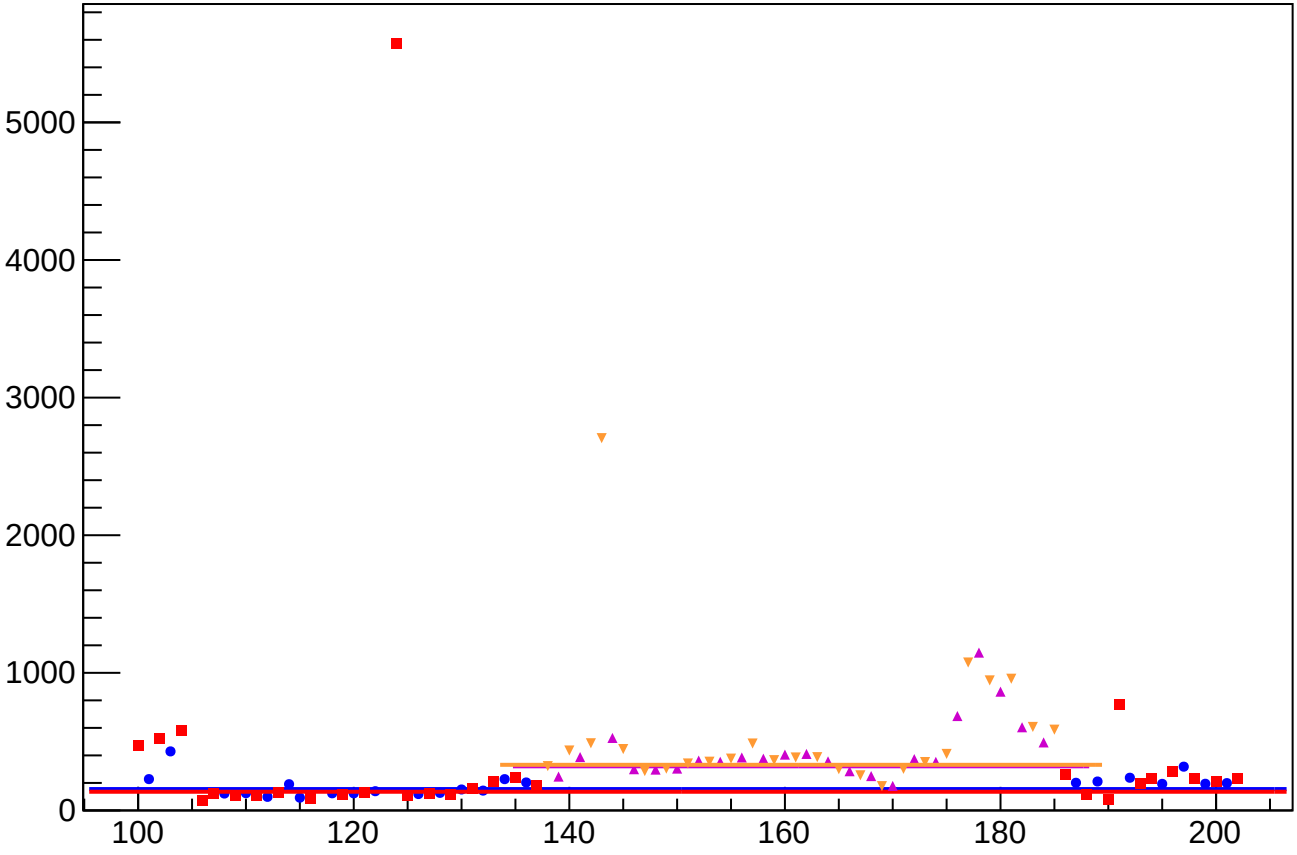
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.038+/-0.042 χ^2/NDF: 53.8/47

All: -0.005+/-0.028 χ^2/NDF: 122.6/99

\- sign 0.021+/-0.037 χ^2/NDF: 67.6/51

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 155.436+/-0.034 χ^2/NDF: 2357006.8/22

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

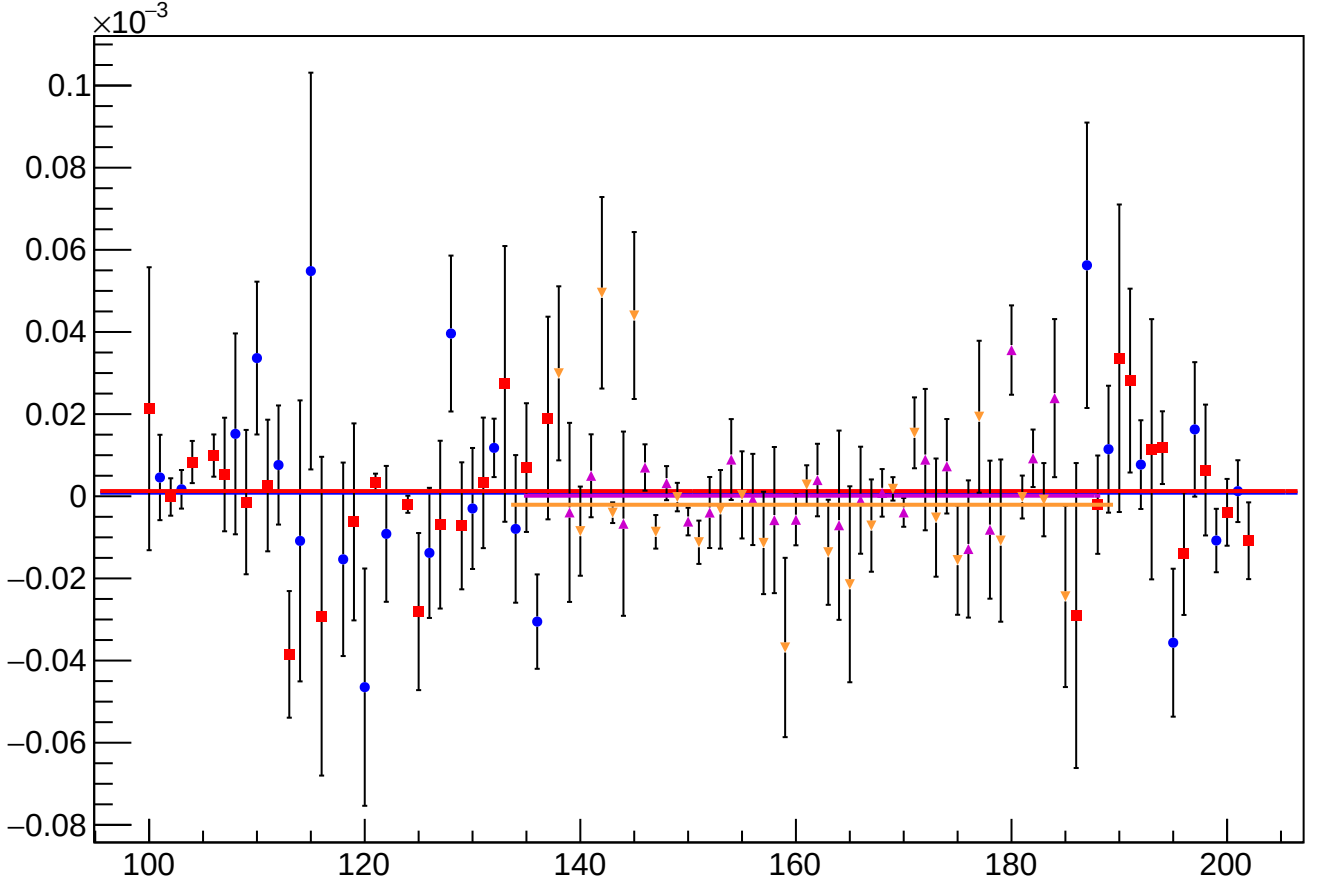
Right Out: 135.943+/-0.029 χ^2/NDF: 4601019.2/28

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 199.933+/-0.030 χ^2/NDF: 14822611.8/47

All: 185.439+/-0.020 χ^2/NDF: 32315375.6/99

- sign 174.254+/-0.026 χ^2/NDF: 17071925.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

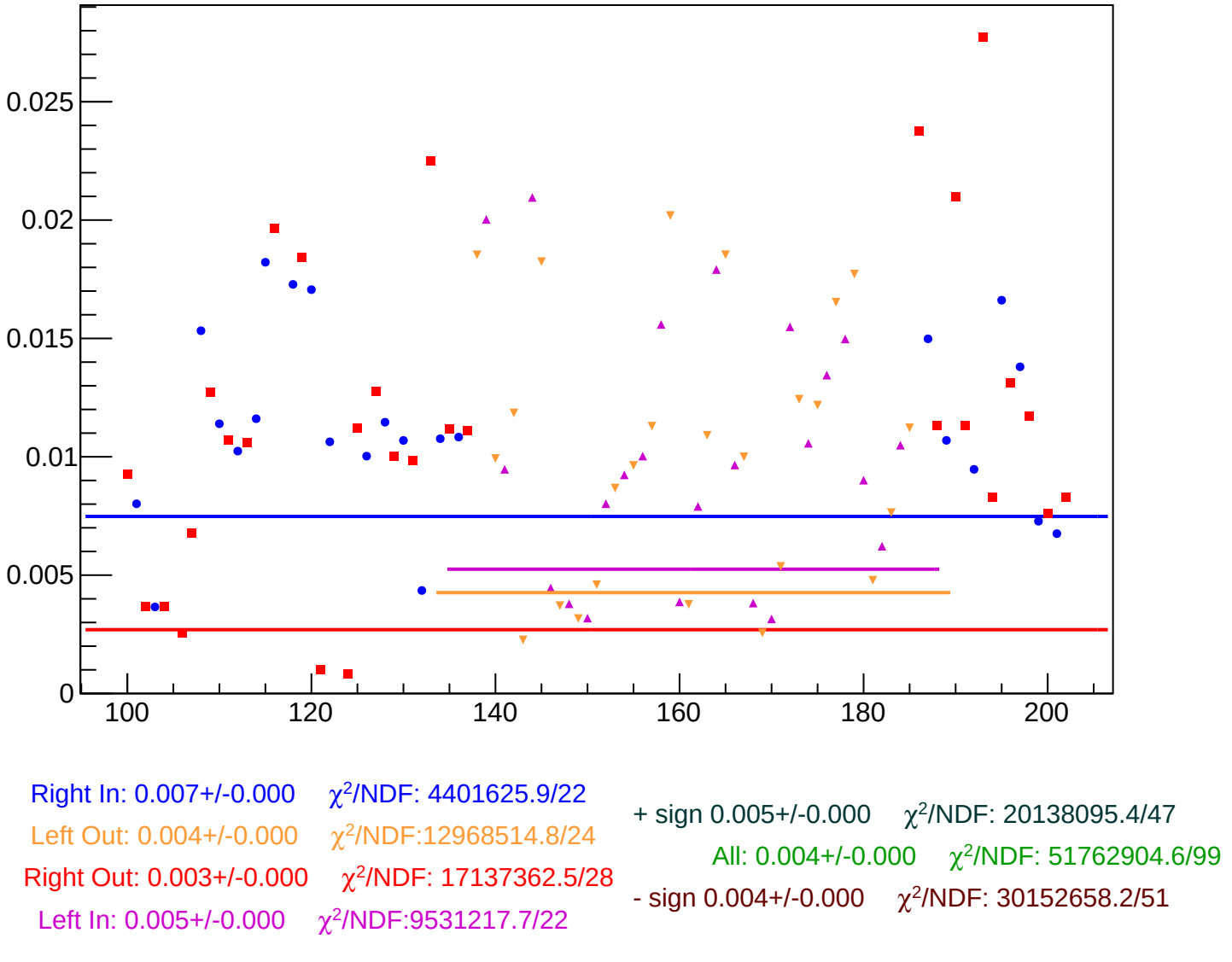
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/28

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

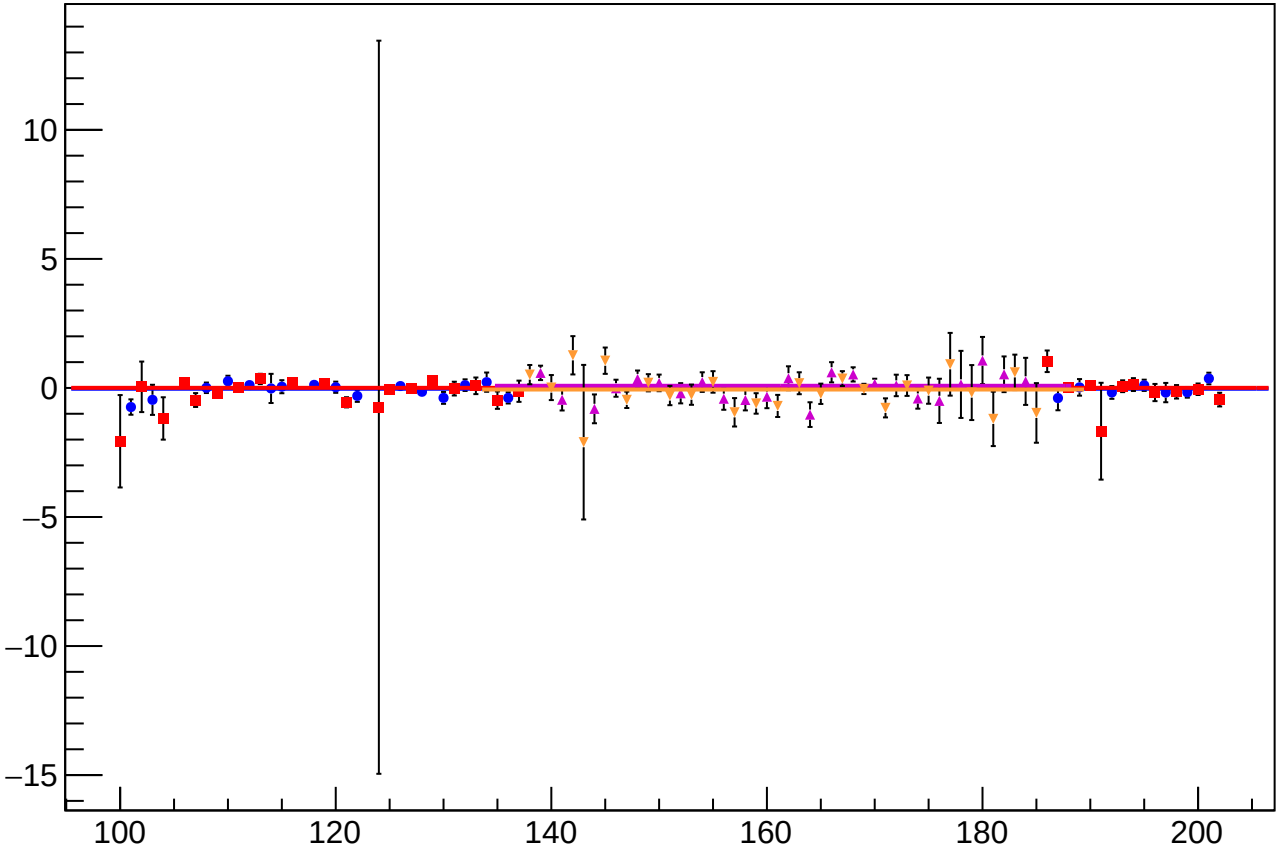
+ sign -0.000+/-0.000 χ^2/NDF: 70.5/47

All: -0.000+/-0.000 χ^2/NDF: 126.2/99

- sign 0.000+/-0.000 χ^2/NDF: 53.2/51


asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.007+/-0.000 χ²/NDF: 4401625.9/22
Left Out: 0.004+/-0.000 χ²/NDF:12968514.8/24
Right Out: 0.003+/-0.000 χ²/NDF: 17137362.5/28
Left In: 0.005+/-0.000 χ²/NDF:9531217.7/22
+ sign 0.005+/-0.000 χ²/NDF: 20138095.4/47
All: 0.004+/-0.000 χ²/NDF: 51762904.6/99
- sign 0.004+/-0.000 χ²/NDF: 30152658.2/51

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.049 χ^2/NDF: 23.0/22

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.004+/-0.041 χ^2/NDF: 39.8/28

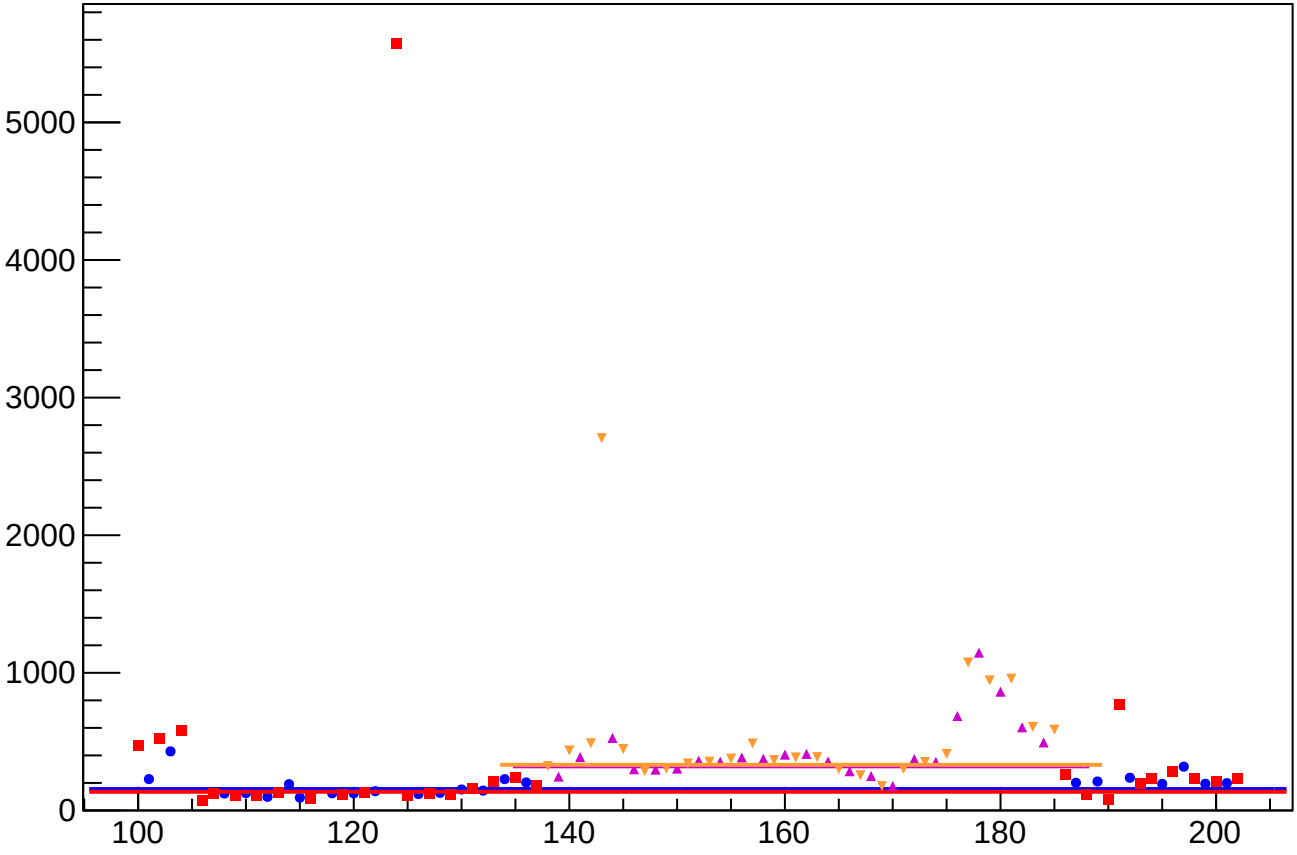
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.038+/-0.042 χ^2/NDF: 53.8/47

All: -0.005+/-0.028 χ^2/NDF: 122.6/99

- sign 0.021+/-0.037 χ^2/NDF: 67.6/51

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 155.437+/-0.034 χ^2/NDF: 2356925.7/22

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 135.943+/-0.029 χ^2/NDF: 4601011.2/28

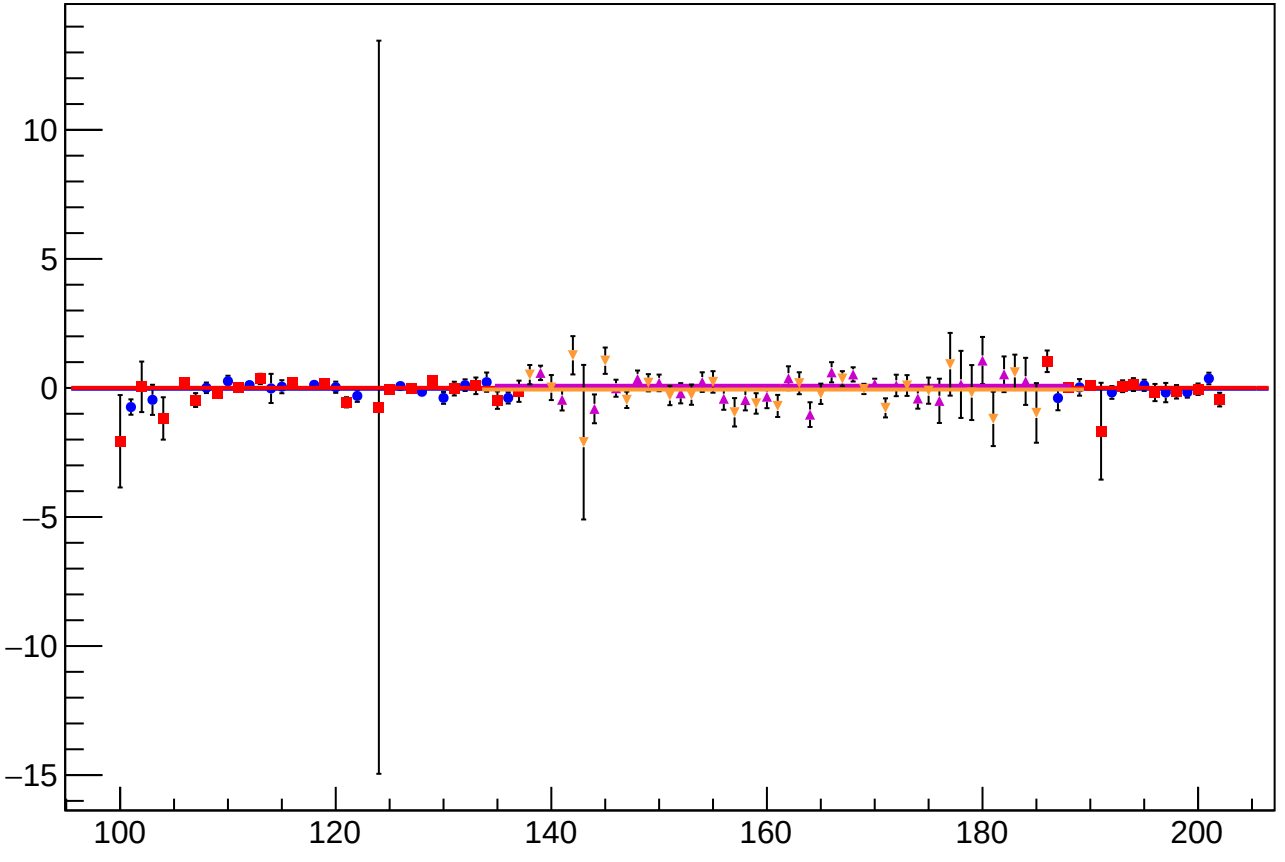
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 199.934+/-0.030 χ^2/NDF: 14822586.4/47

All: 185.439+/-0.020 χ^2/NDF: 32315564.0/99

- sign 174.253+/-0.026 χ^2/NDF: 17072096.1/51

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.031+/-0.049 χ^2/NDF: 23.0/22

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

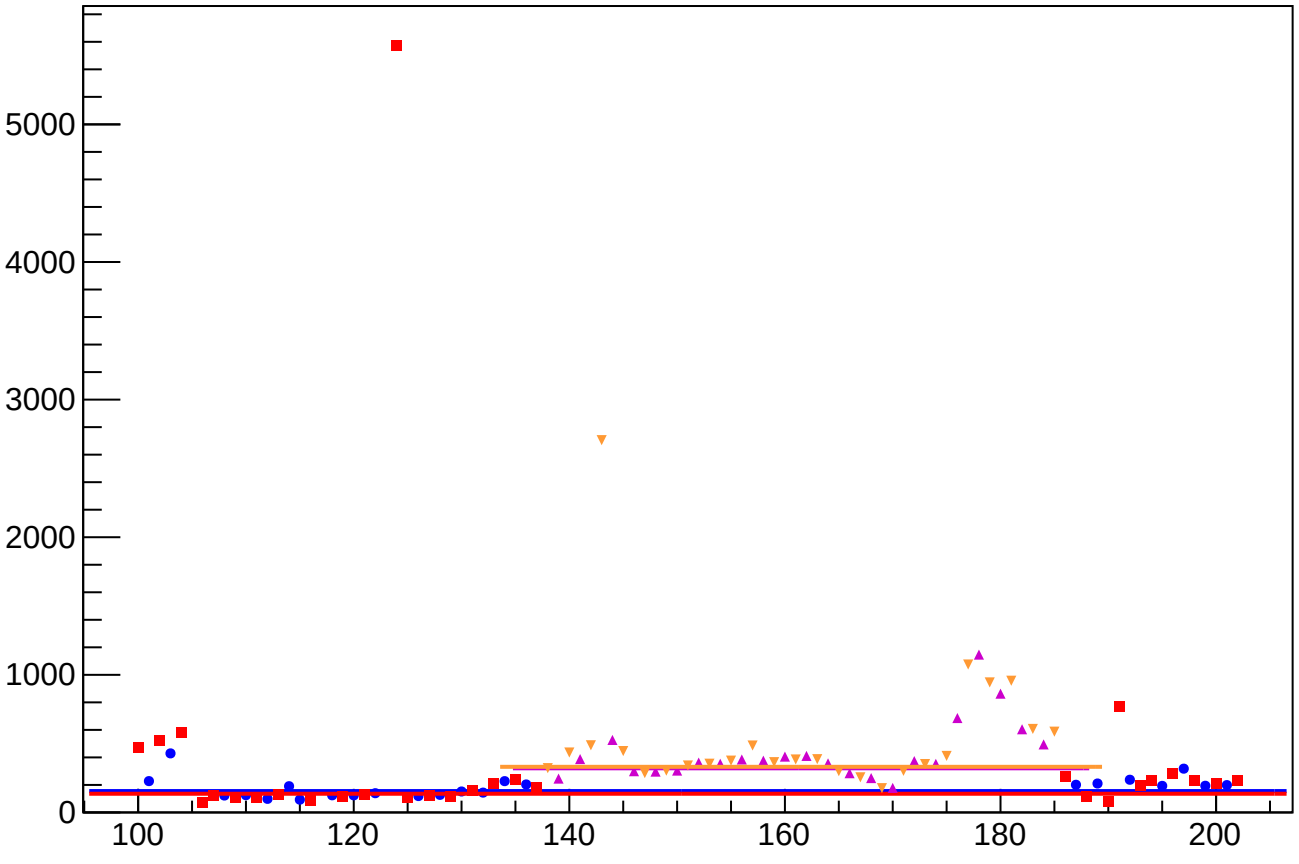
Right Out: 0.004+/-0.041 χ^2/NDF: 39.8/28

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.038+/-0.042 χ^2/NDF: 53.8/47

All: -0.005+/-0.028 χ^2/NDF: 122.6/99

- sign 0.021+/-0.037 χ^2/NDF: 67.6/51



Right In: 155.437+/-0.034 χ^2/NDF: 2356925.7/22

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

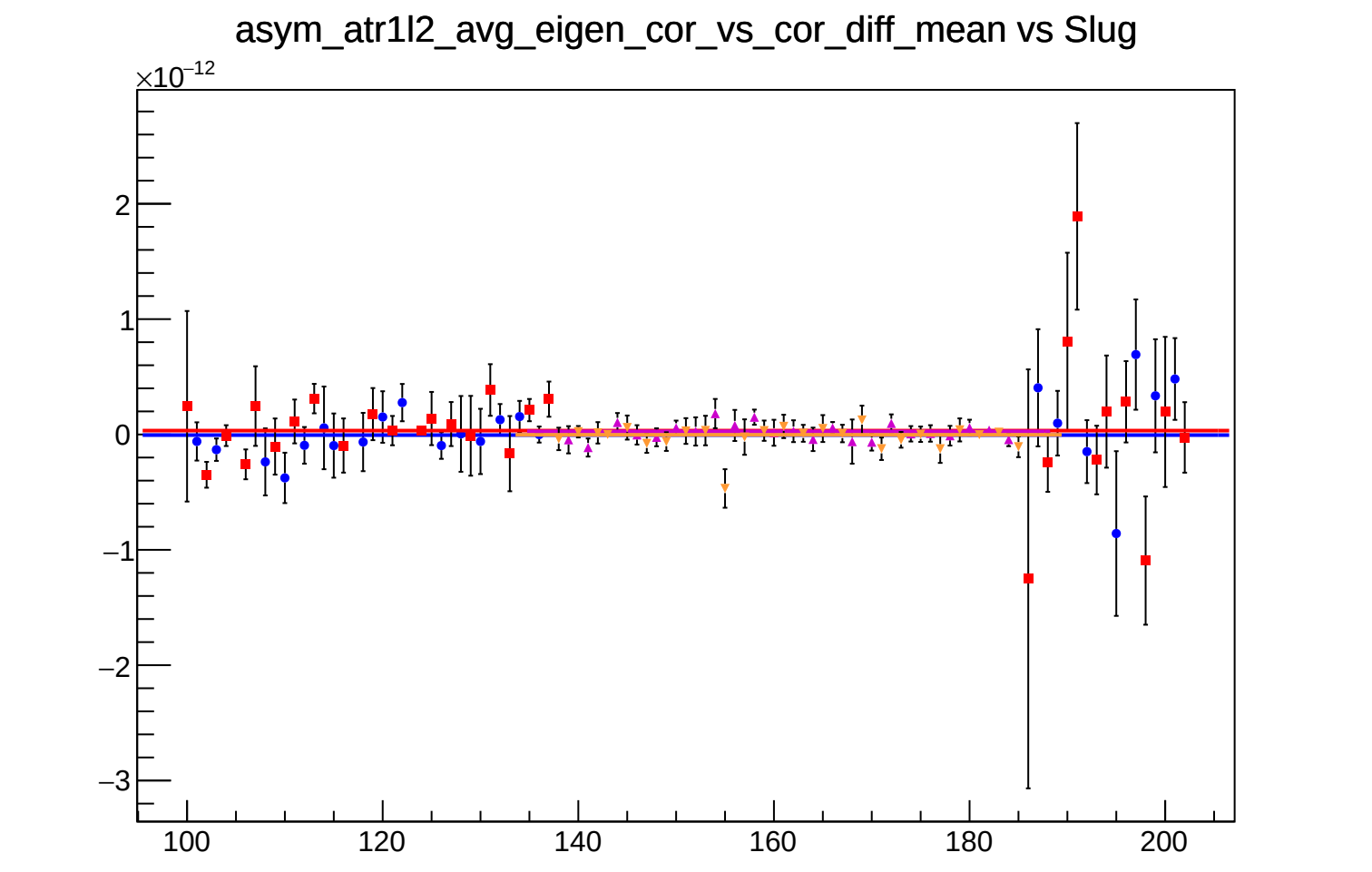
Right Out: 135.943+/-0.029 χ^2/NDF: 4601011.2/28

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 199.934+/-0.030 χ^2/NDF: 14822586.4/47

All: 185.439+/-0.020 χ^2/NDF: 32315564.0/99

- sign 174.253+/-0.026 χ^2/NDF: 17072096.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 19.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

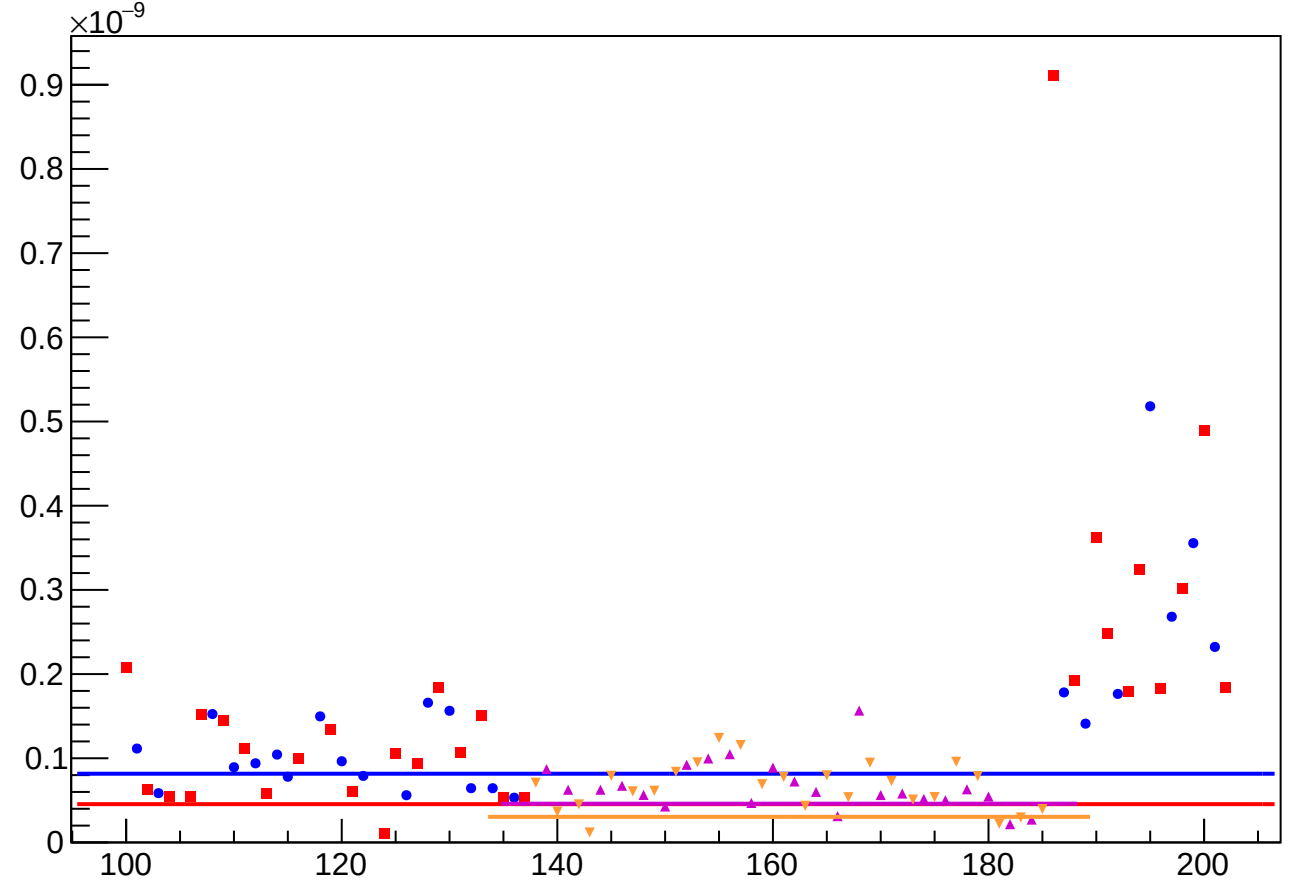
Right Out: 0.000+/-0.000 χ^2/NDF: 46.6/28

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.3/47

All: 0.000+/-0.000 χ^2/NDF: 103.0/99

- sign 0.000+/-0.000 χ^2/NDF: 62.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 3684224.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9108688.9/28

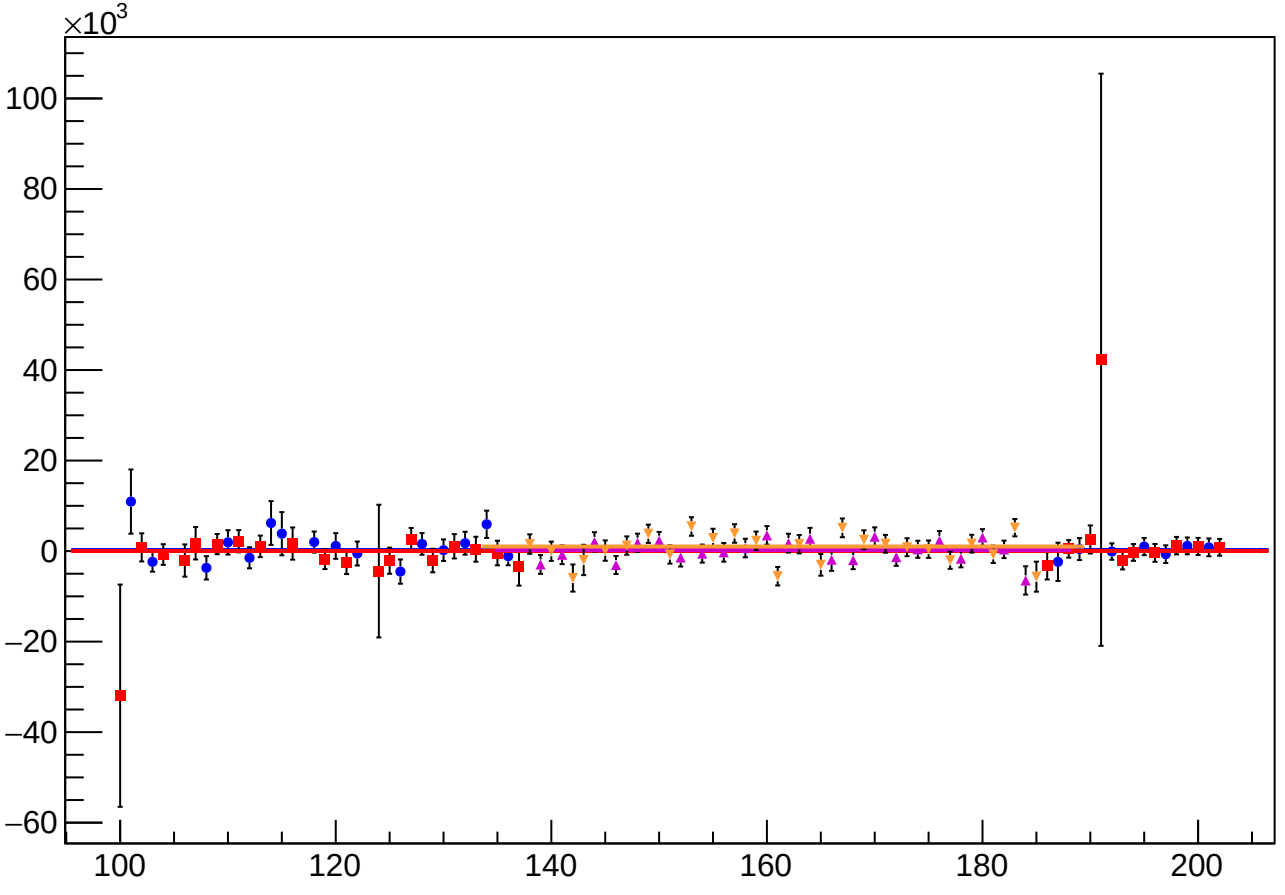
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 17909417.8/47

All: 0.000+/-0.000 χ^2/NDF: 32882386.4/99

- sign 0.000+/-0.000 χ^2/NDF: 14009051.6/51

reg_asym_atr1l2_dd_mean vs Slug



Right In: 230.639+/-508.789 χ^2/NDF: 18.8/22

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 21.523+/-474.426 χ^2/NDF: 13.3/28

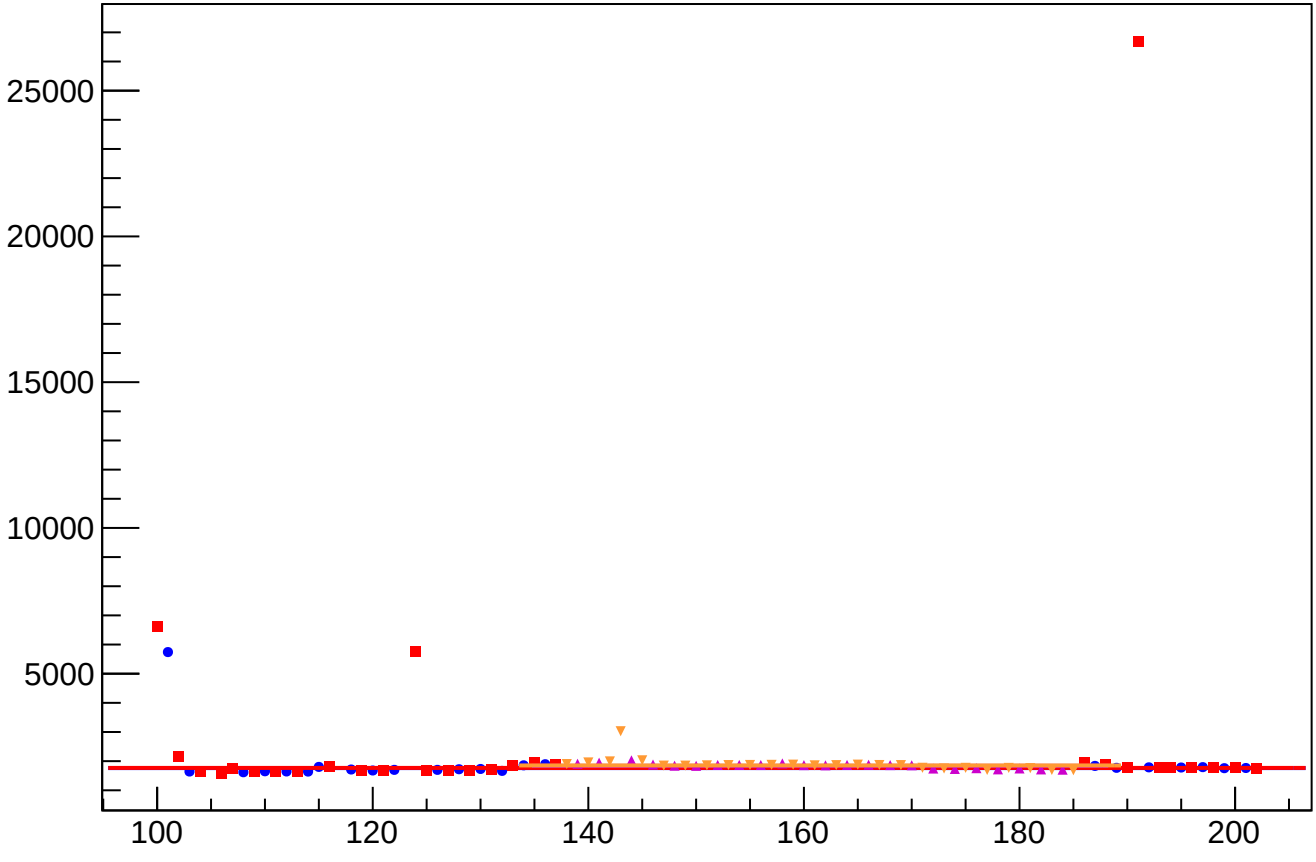
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 688.390+/-325.079 χ^2/NDF: 67.5/47

All: 406.371+/-227.498 χ^2/NDF: 108.8/99

- sign 135.677+/-318.485 χ^2/NDF: 39.7/51

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1762.025+/-0.360 χ^2/NDF: 672064.3/22

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.956+/-0.334 χ^2/NDF: 638143.0/28

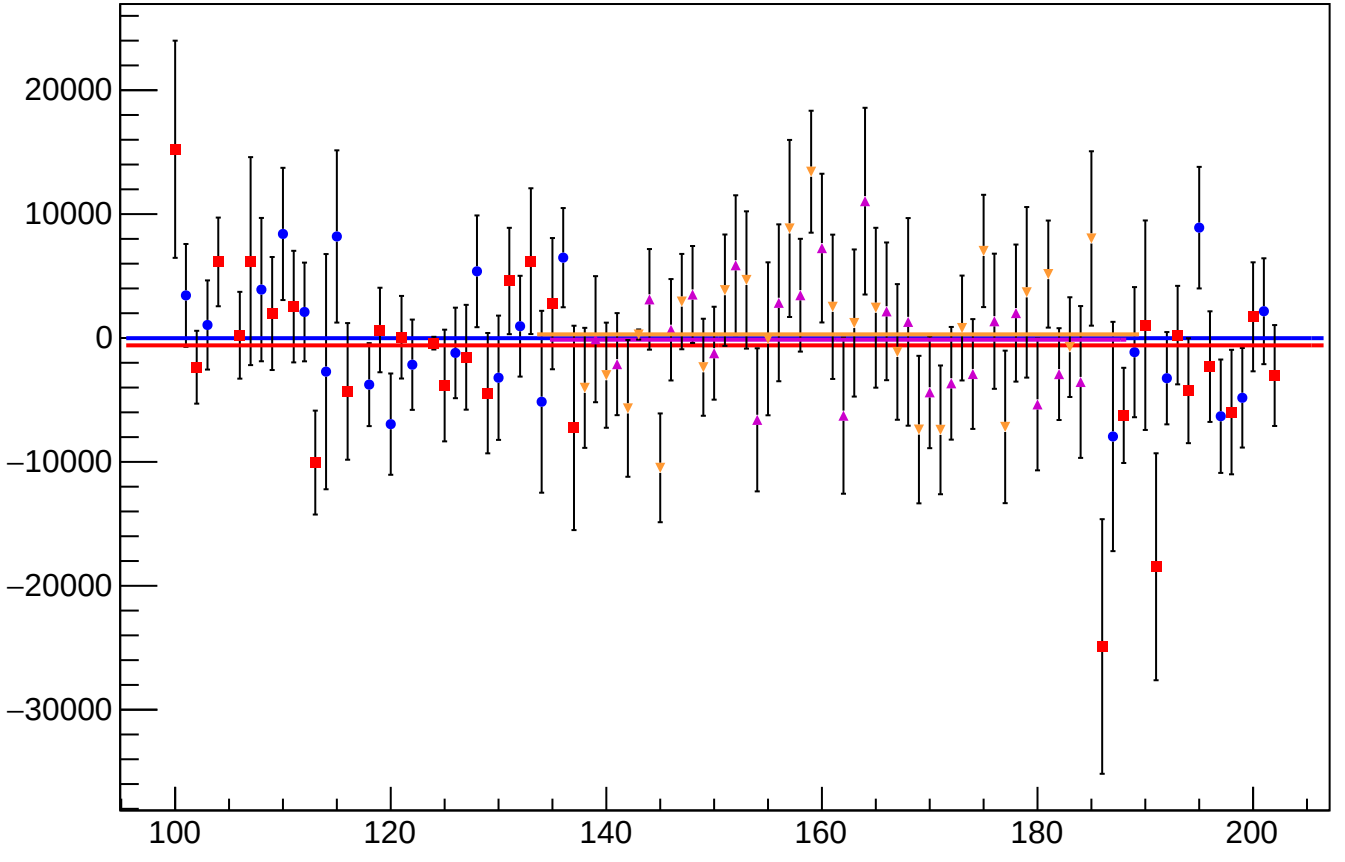
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1815.586+/-0.230 χ^2/NDF: 1030556.3/47

All: 1810.988+/-0.161 χ^2/NDF: 1762374.9/99

- sign 1806.589+/-0.225 χ^2/NDF: 731035.7/51

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: -14.364+/-932.196 χ^2/NDF: 23.5/22

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -594.435+/-438.853 χ^2/NDF: 33.9/28

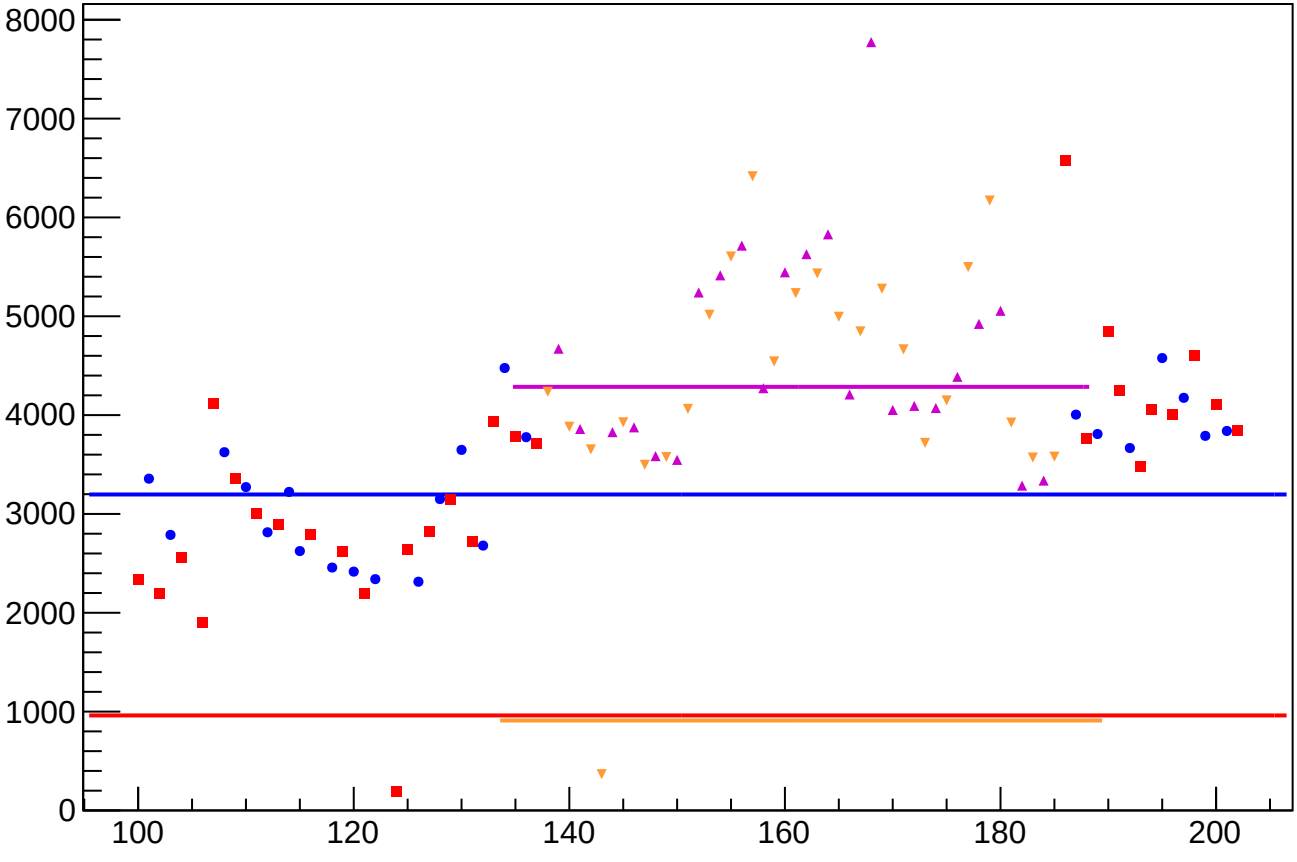
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

\+ sign 250.425+/-351.824 χ^2/NDF: 53.6/47

All: -84.037+/-265.123 χ^2/NDF: 103.7/99

\- sign -523.541+/-403.306 χ^2/NDF: 48.0/51

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3196.904+/-0.659 χ^2/NDF: 1033967.4/22

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 961.332+/-0.310 χ^2/NDF: 19075784.0/28

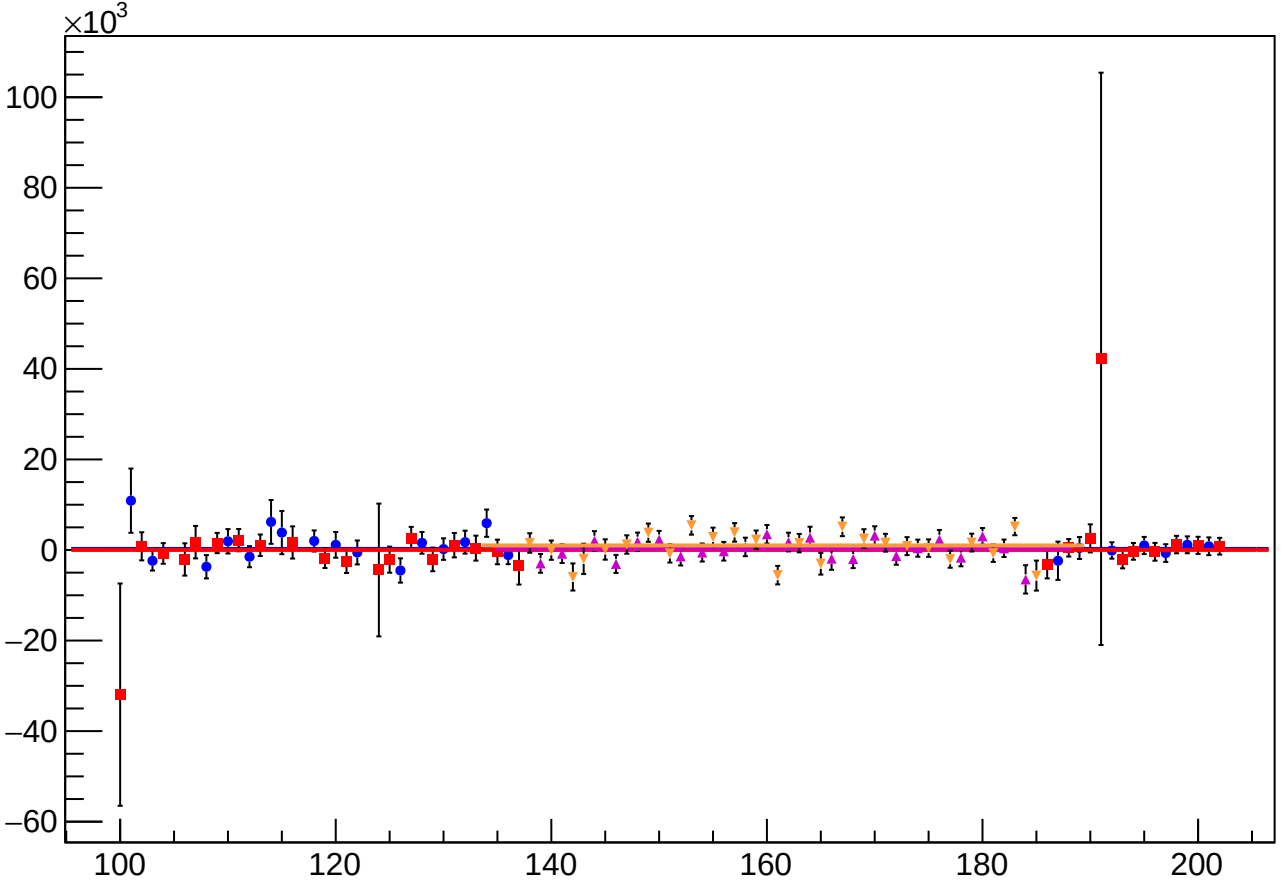
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1235.867+/-0.249 χ^2/NDF: 38129139.0/47

All: 1340.544+/-0.187 χ^2/NDF: 76783252.1/9

- sign 1478.097+/-0.285 χ^2/NDF: 38244419.1/51

cor_asym_atr1l2_dd_mean vs Slug



Right In: 230.447+/-508.789 χ^2/NDF: 18.8/22

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 21.541+/-474.426 χ^2/NDF: 13.3/28

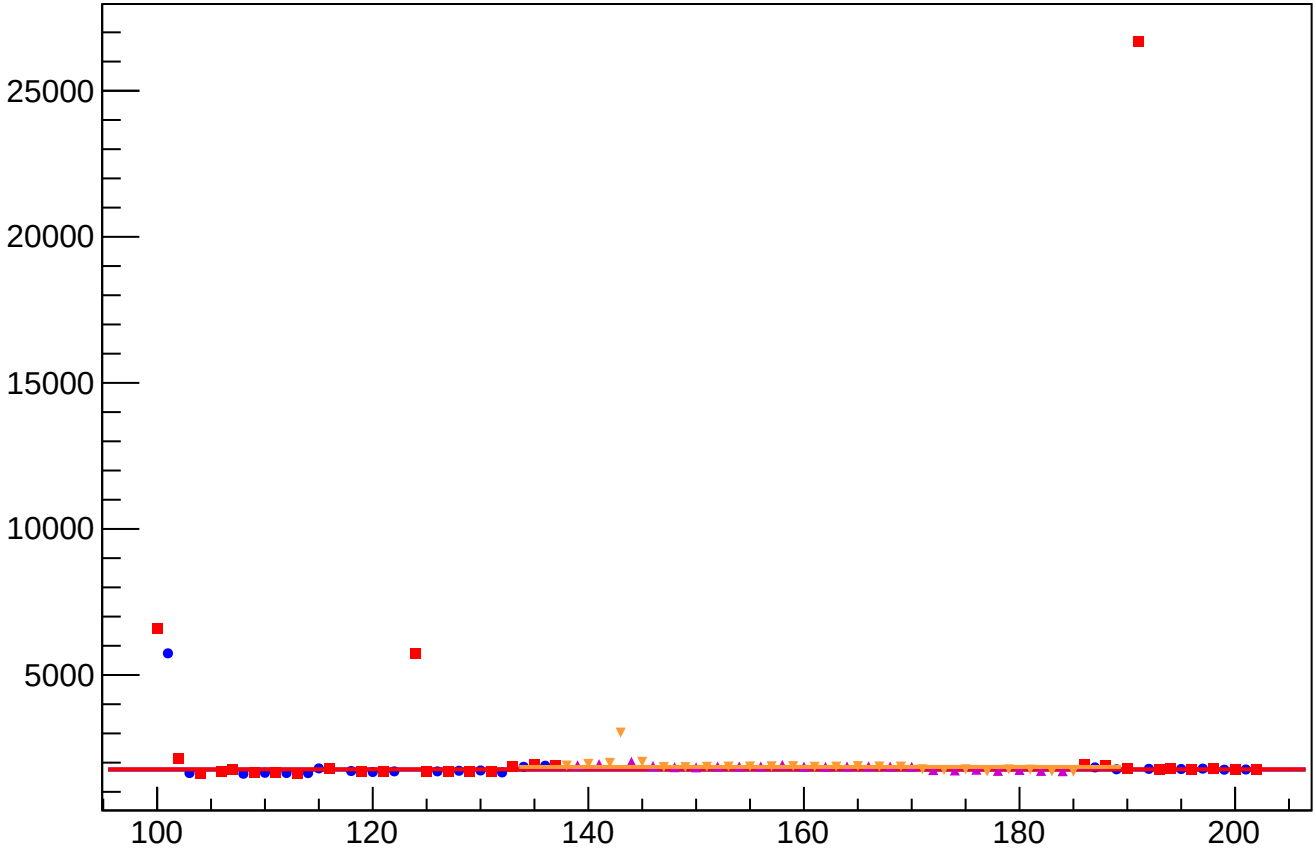
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

\+ sign 688.287+/-325.079 χ^2/NDF: 67.5/47

All: 406.301+/-227.498 χ^2/NDF: 108.7/99

\- sign 135.638+/-318.485 χ^2/NDF: 39.7/51

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.025+/-0.360 χ^2/NDF: 672064.5/22

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1771.591+/-0.335 χ^2/NDF: 629840.2/28

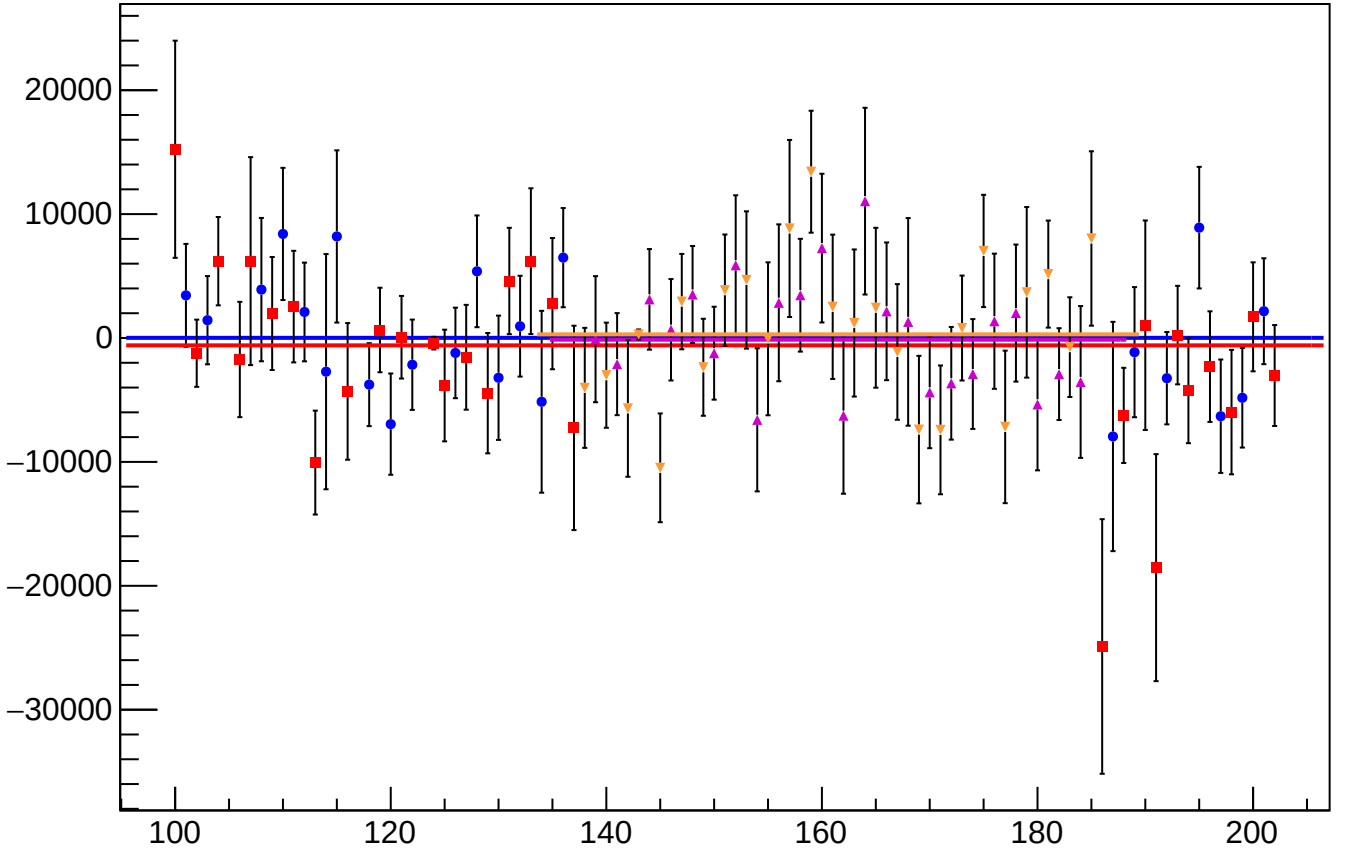
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1815.586+/-0.230 χ^2/NDF: 1030556.7/47

All: 1811.864+/-0.161 χ^2/NDF: 1751307.1/99

- sign 1808.298+/-0.225 χ^2/NDF: 720237.0/51

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 13.610+/-931.566 χ^2/NDF: 23.6/22

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -593.358+/-439.658 χ^2/NDF: 33.7/28

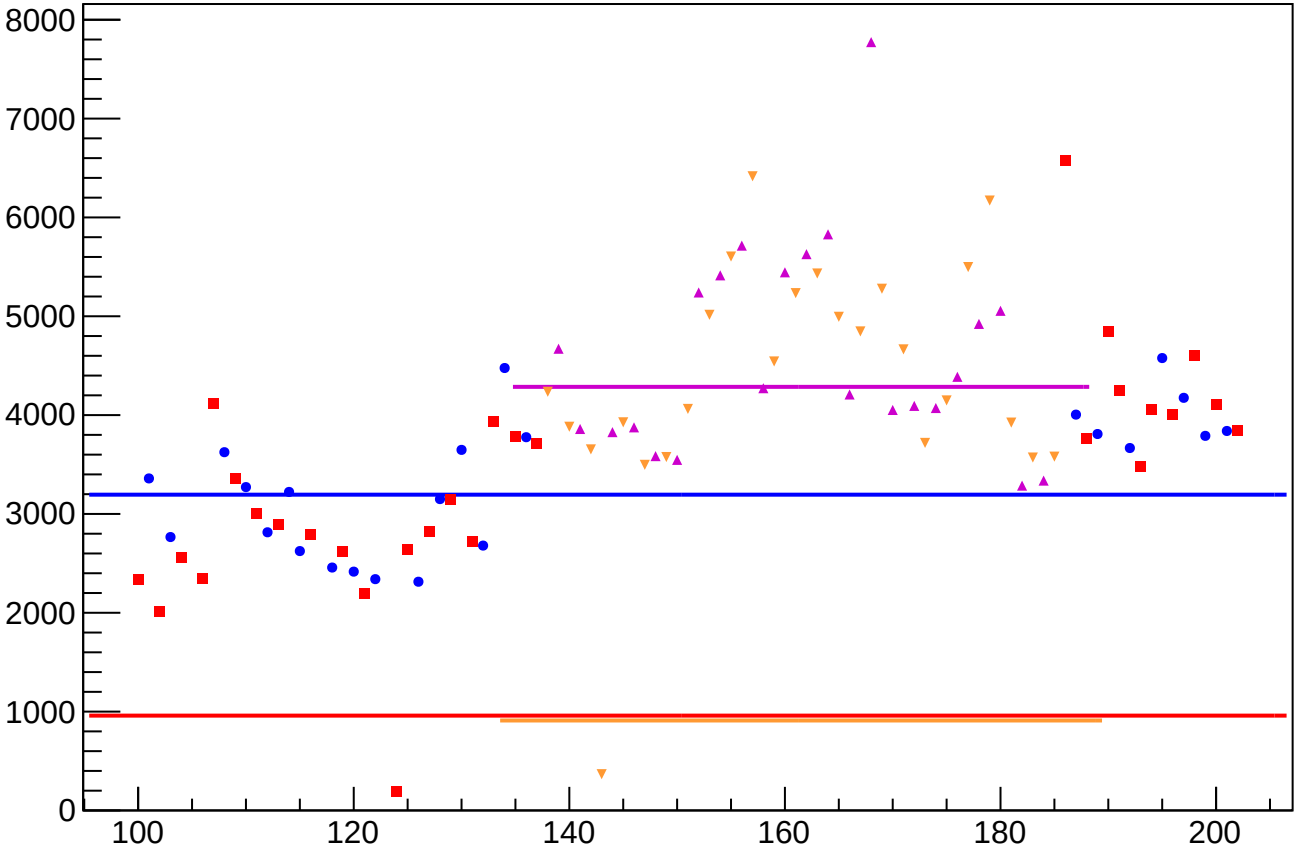
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 255.131+/-351.814 χ^2/NDF: 53.7/47

All: -80.270+/-265.295 χ^2/NDF: 103.6/99

- sign -522.399+/-403.930 χ^2/NDF: 47.8/51

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3194.931+/-0.659 χ^2/NDF: 1037517.2/22

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 959.521+/-0.311 χ^2/NDF: 19045807.8/28

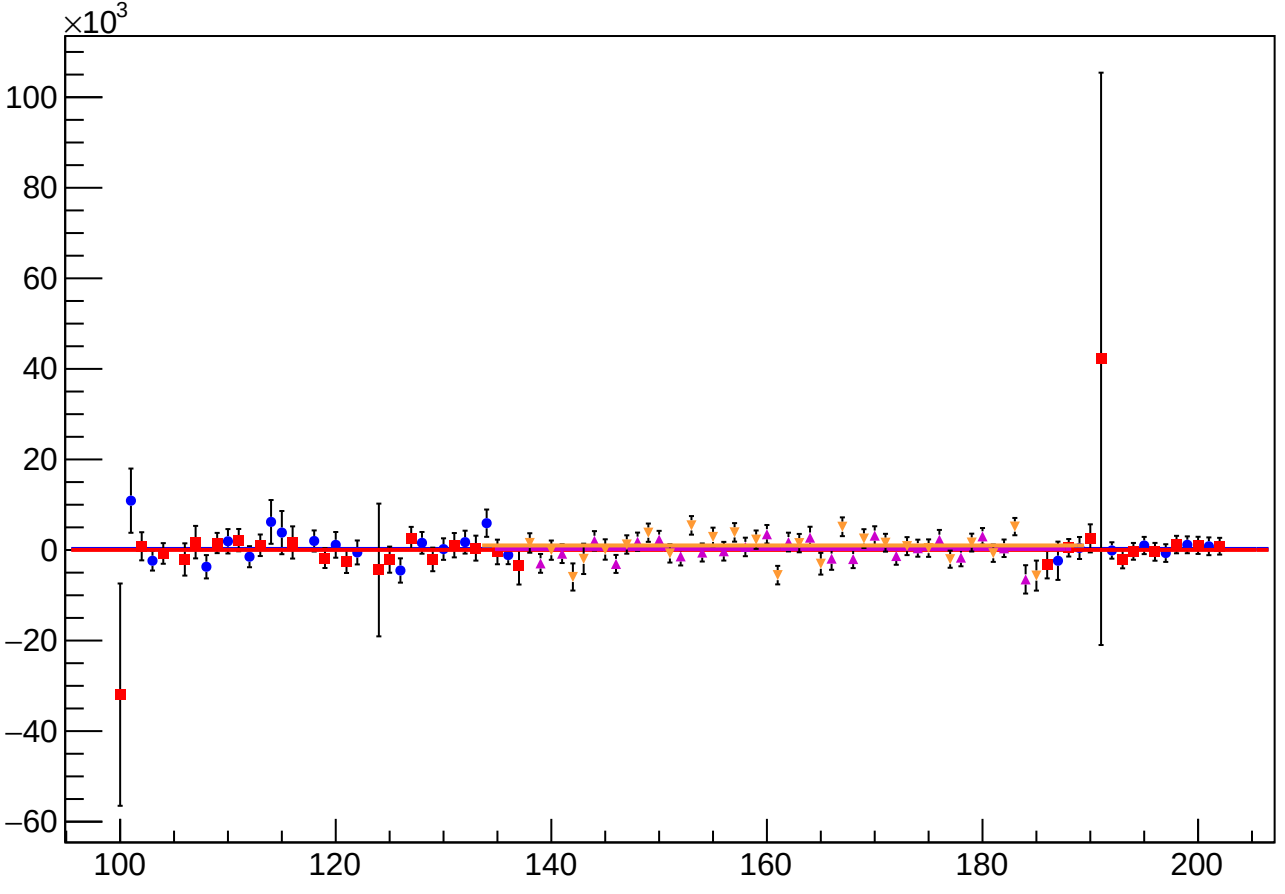
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1236.108+/-0.249 χ^2/NDF: 38124392.0/47

All: 1340.525+/-0.188 χ^2/NDF: 76756477.0/9

- sign 1478.170+/-0.286 χ^2/NDF: 38223666.7/51

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 230.447+/-508.789 χ^2/NDF: 18.8/22

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 21.541+/-474.426 χ^2/NDF: 13.3/28

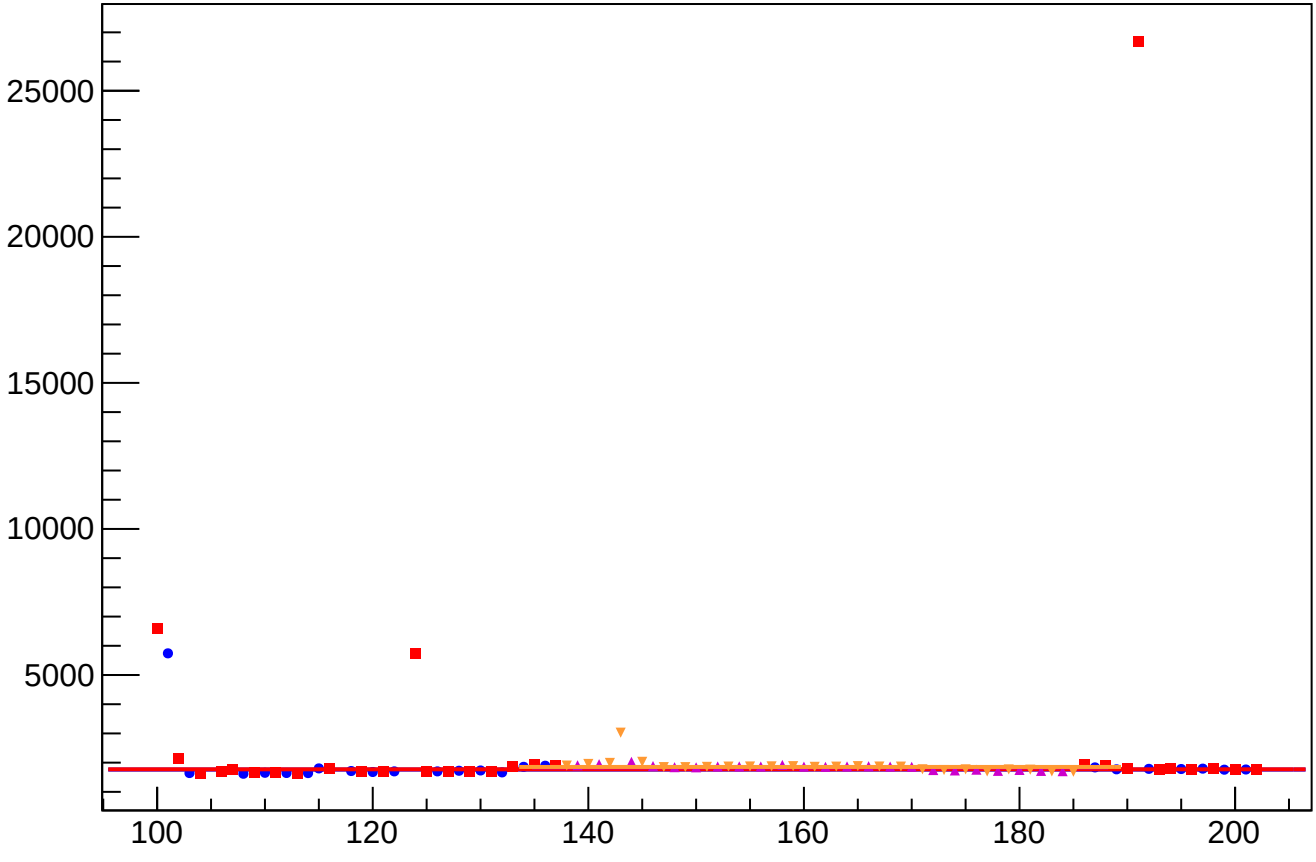
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 688.287+/-325.079 χ^2/NDF: 67.5/47

All: 406.301+/-227.498 χ^2/NDF: 108.7/99

- sign 135.638+/-318.485 χ^2/NDF: 39.7/51

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.025+/-0.360 χ^2/NDF: 672064.5/22

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

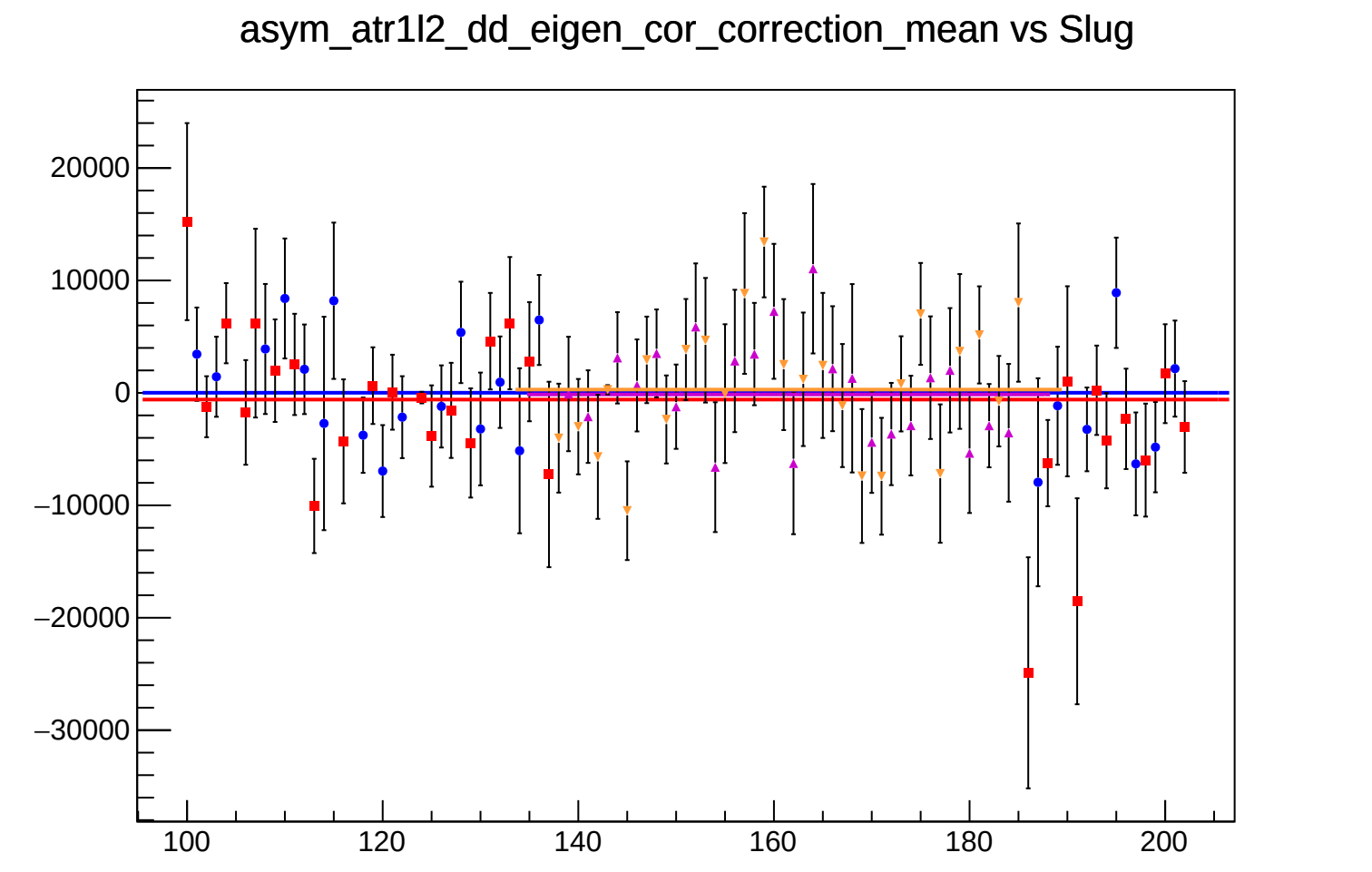
Right Out: 1771.591+/-0.335 χ^2/NDF: 629840.2/28

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1815.586+/-0.230 χ^2/NDF: 1030556.7/47

All: 1811.864+/-0.161 χ^2/NDF: 1751307.1/99

- sign 1808.298+/-0.225 χ^2/NDF: 720237.0/51



Right In: 13.610+/-931.566 χ^2/NDF: 23.6/22

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -593.358+/-439.658 χ^2/NDF: 33.7/28

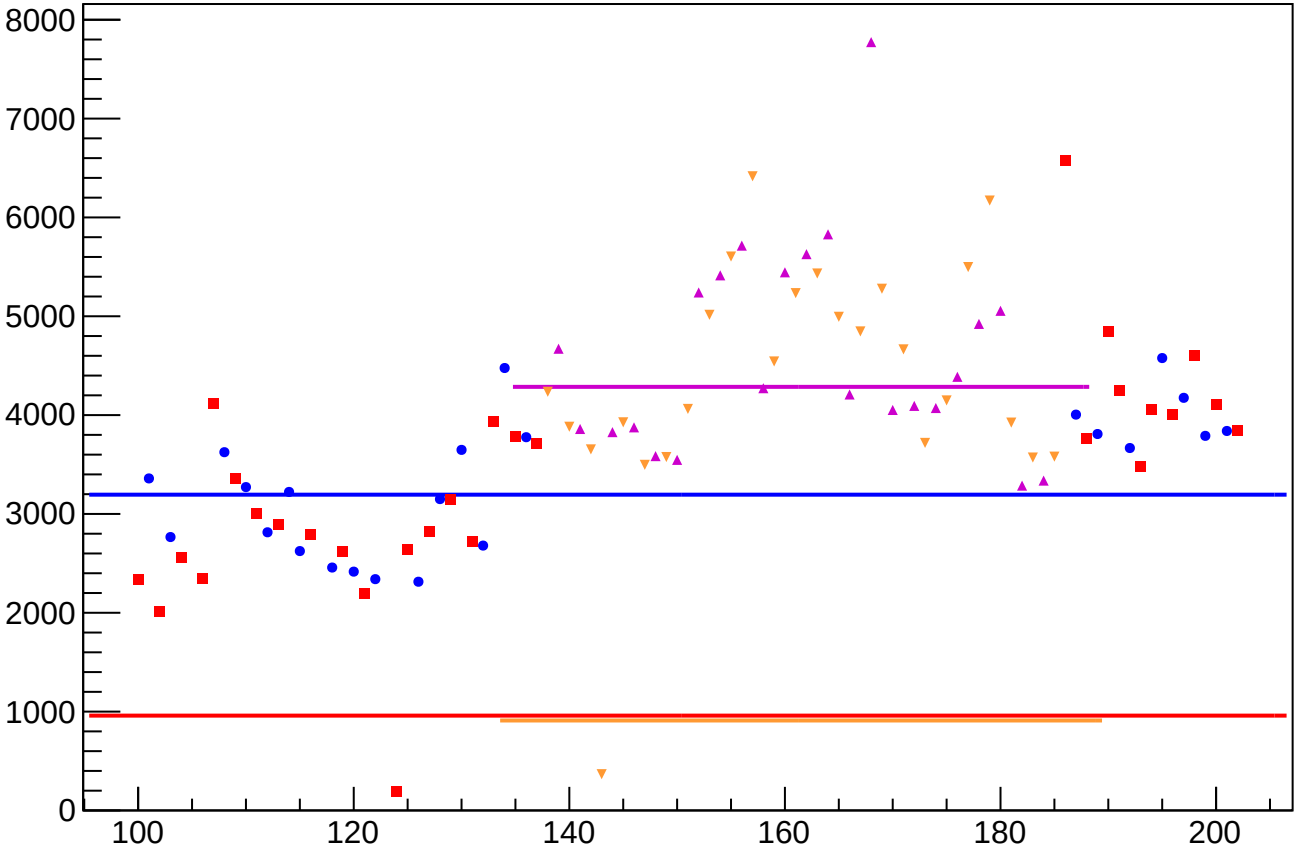
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 255.131+/-351.814 χ^2/NDF: 53.7/47

All: -80.270+/-265.295 χ^2/NDF: 103.6/99

- sign -522.399+/-403.930 χ^2/NDF: 47.8/51

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3194.931+/-0.659 χ^2/NDF: 1037517.2/22

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 959.521+/-0.311 χ^2/NDF: 19045807.8/28

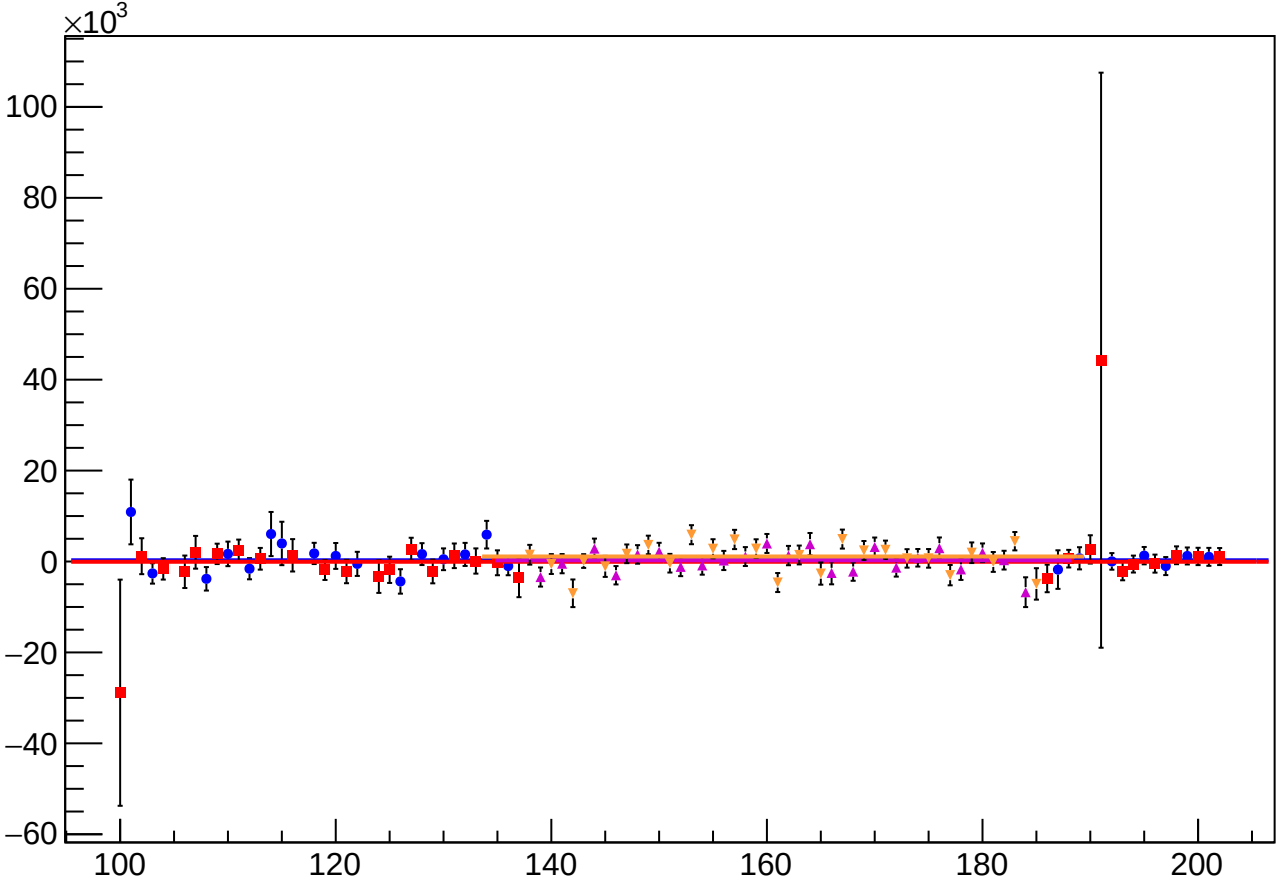
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1236.108+/-0.249 χ^2/NDF: 38124392.0/47

All: 1340.525+/-0.188 χ^2/NDF: 76756477.0/9

- sign 1478.170+/-0.286 χ^2/NDF: 38223666.7/51

dit_asym_atr1l2_dd_mean vs Slug



Right In: 270.816+/-512.263 χ^2/NDF: 18.7/22

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -55.979+/-475.685 χ^2/NDF: 15.0/28

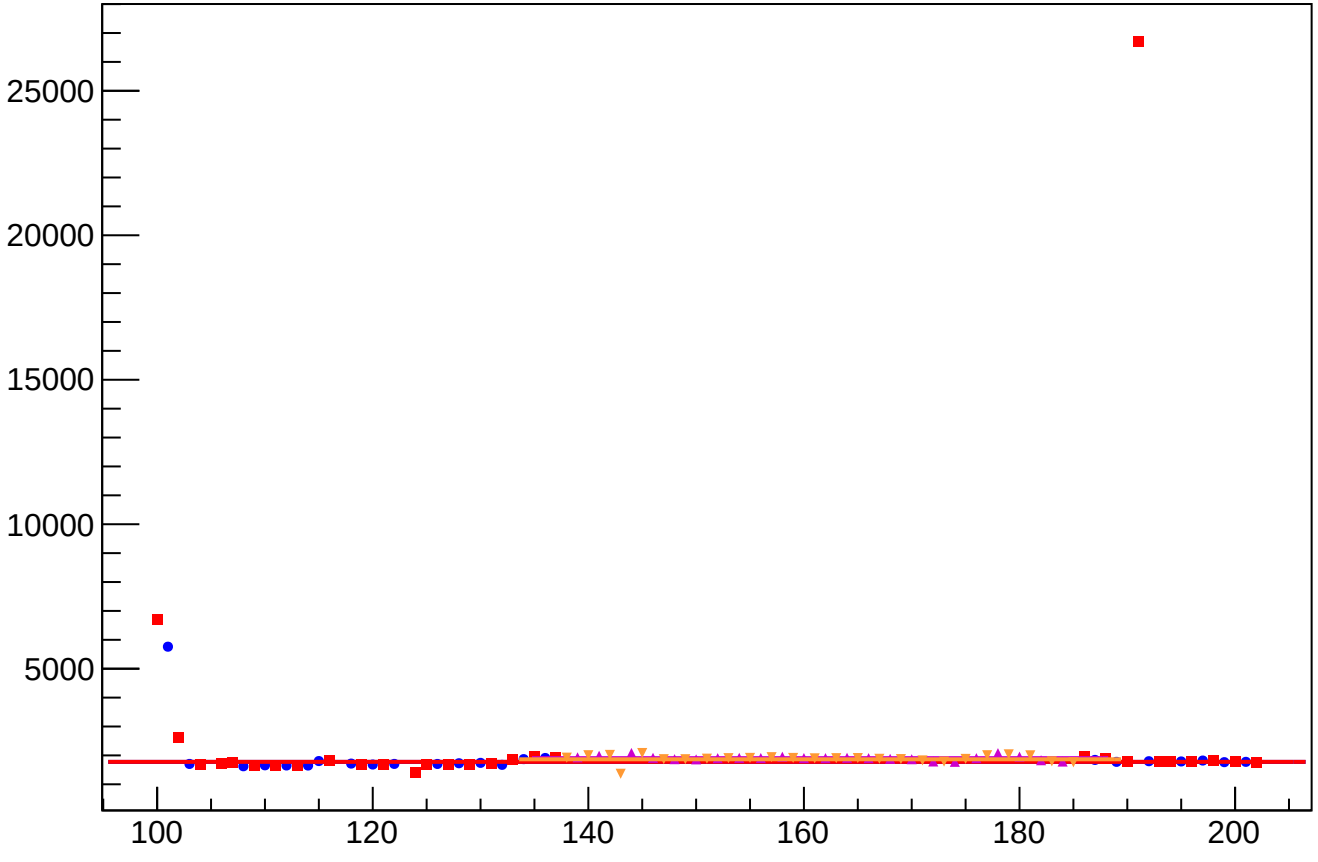
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 763.601+/-327.231 χ^2/NDF: 65.0/47

All: 437.118+/-230.633 χ^2/NDF: 110.0/99

- sign 114.861+/-325.107 χ^2/NDF: 42.9/51

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1774.078+/-0.362 χ^2/NDF: 670588.1/22

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1776.576+/-0.336 χ^2/NDF: 561642.7/28

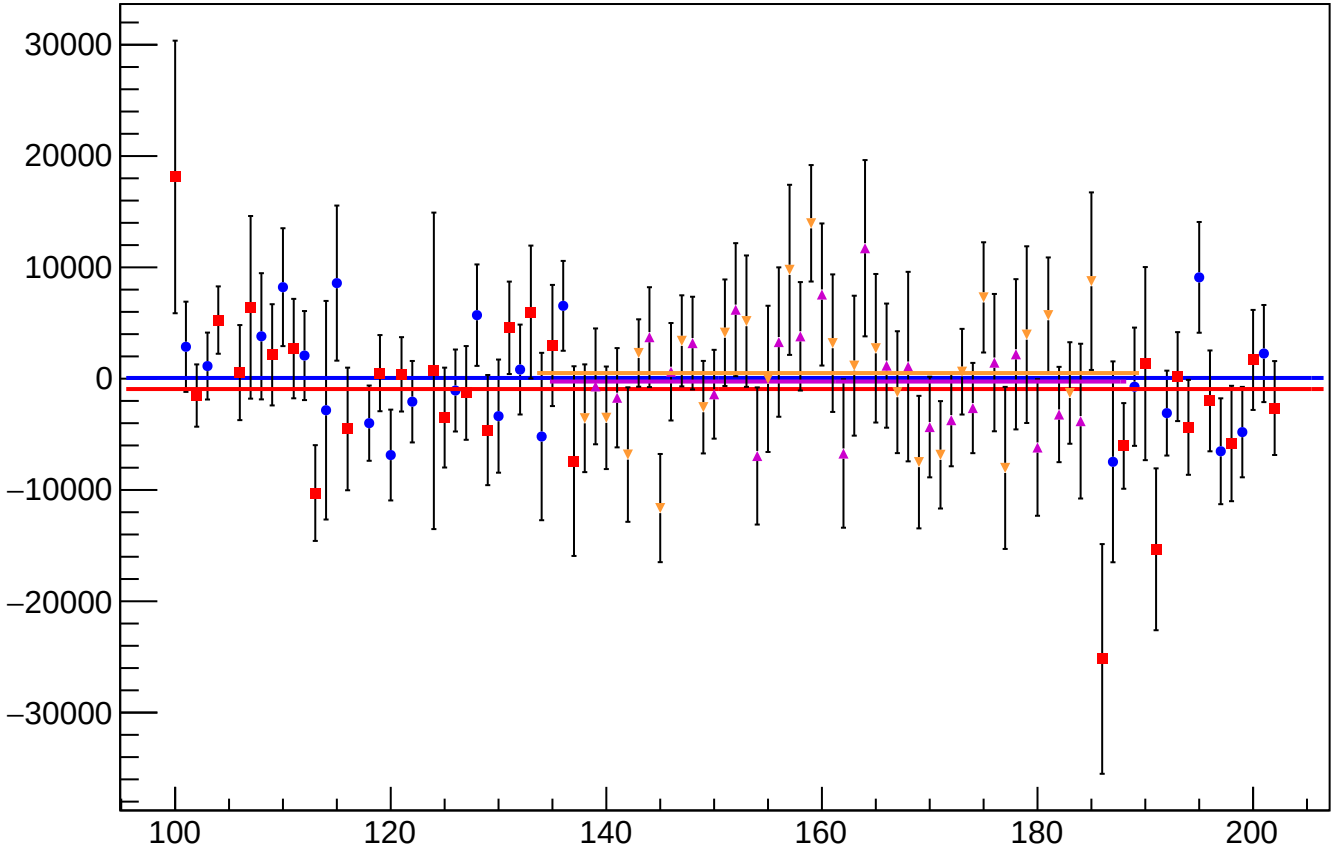
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1827.804+/-0.231 χ^2/NDF: 1002465.9/47

All: 1836.589+/-0.163 χ^2/NDF: 1698324.7/99

- sign 1845.249+/-0.230 χ^2/NDF: 692996.1/51

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 63.730+/-924.806 χ^2/NDF: 23.4/22

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -932.240+/-851.981 χ^2/NDF: 32.7/28

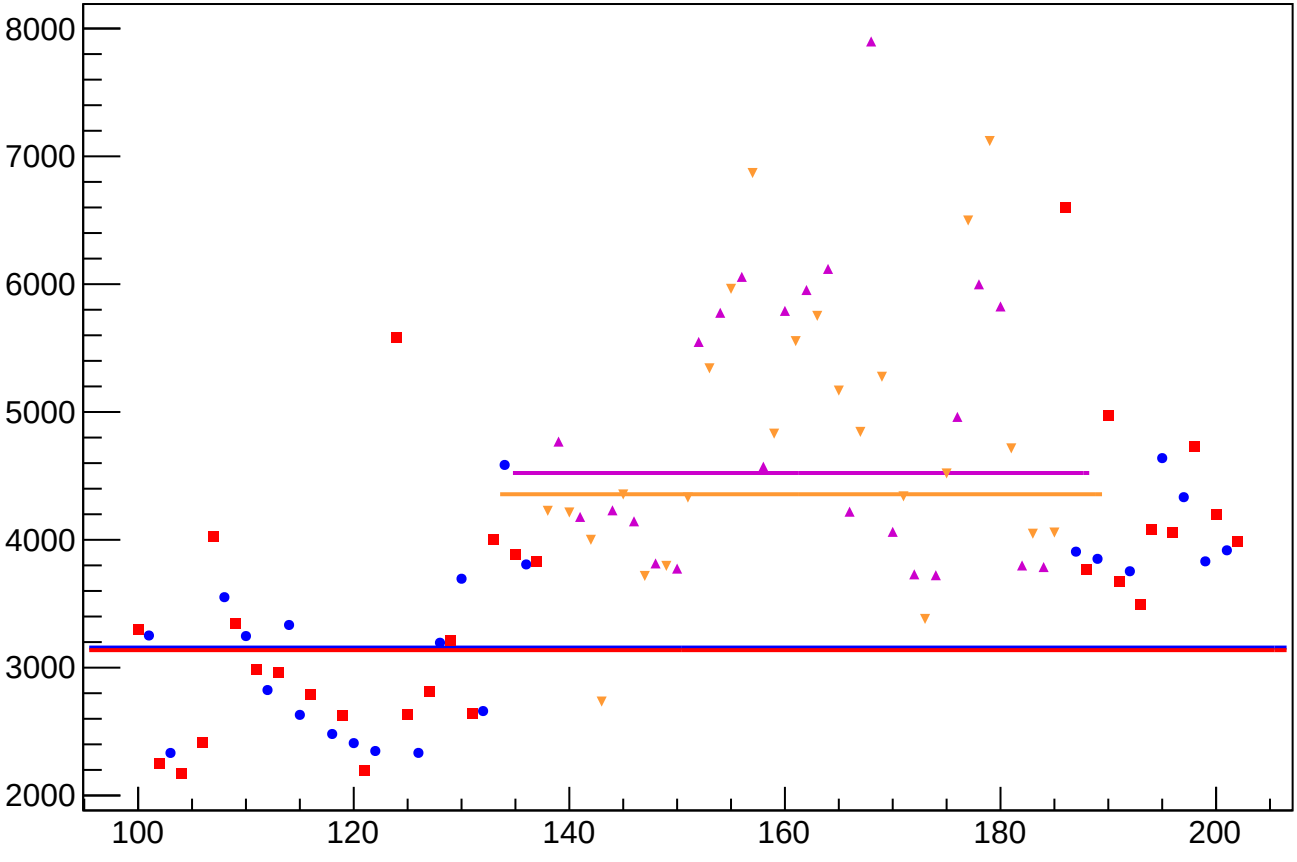
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 262.125+/-685.635 χ^2/NDF: 53.6/47

All: -217.875+/-478.913 χ^2/NDF: 101.1/99

- sign -675.185+/-669.234 χ^2/NDF: 46.6/51

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3157.146+/-0.654 χ^2/NDF: 1222383.0/22

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

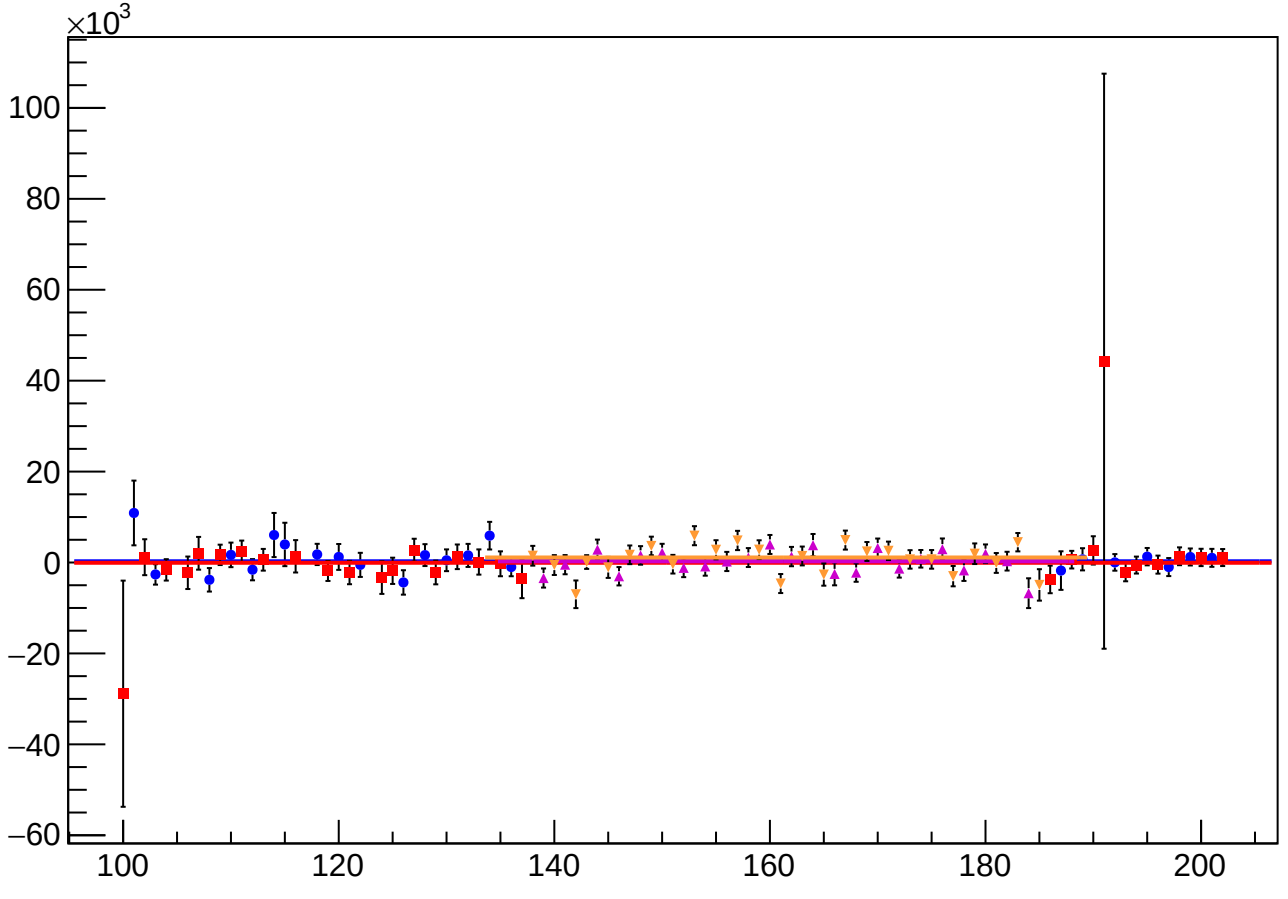
Right Out: 3136.957+/-0.602 χ^2/NDF: 1883486.8/28

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3697.343+/-0.485 χ^2/NDF: 4649939.9/47

All: 3682.167+/-0.339 χ^2/NDF: 9995964.9/99

- sign 3667.709+/-0.473 χ^2/NDF: 5344111.7/51



Right In: 270.817+/-512.263 χ^2/NDF: 18.7/22

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -55.976+/-475.685 χ^2/NDF: 15.0/28

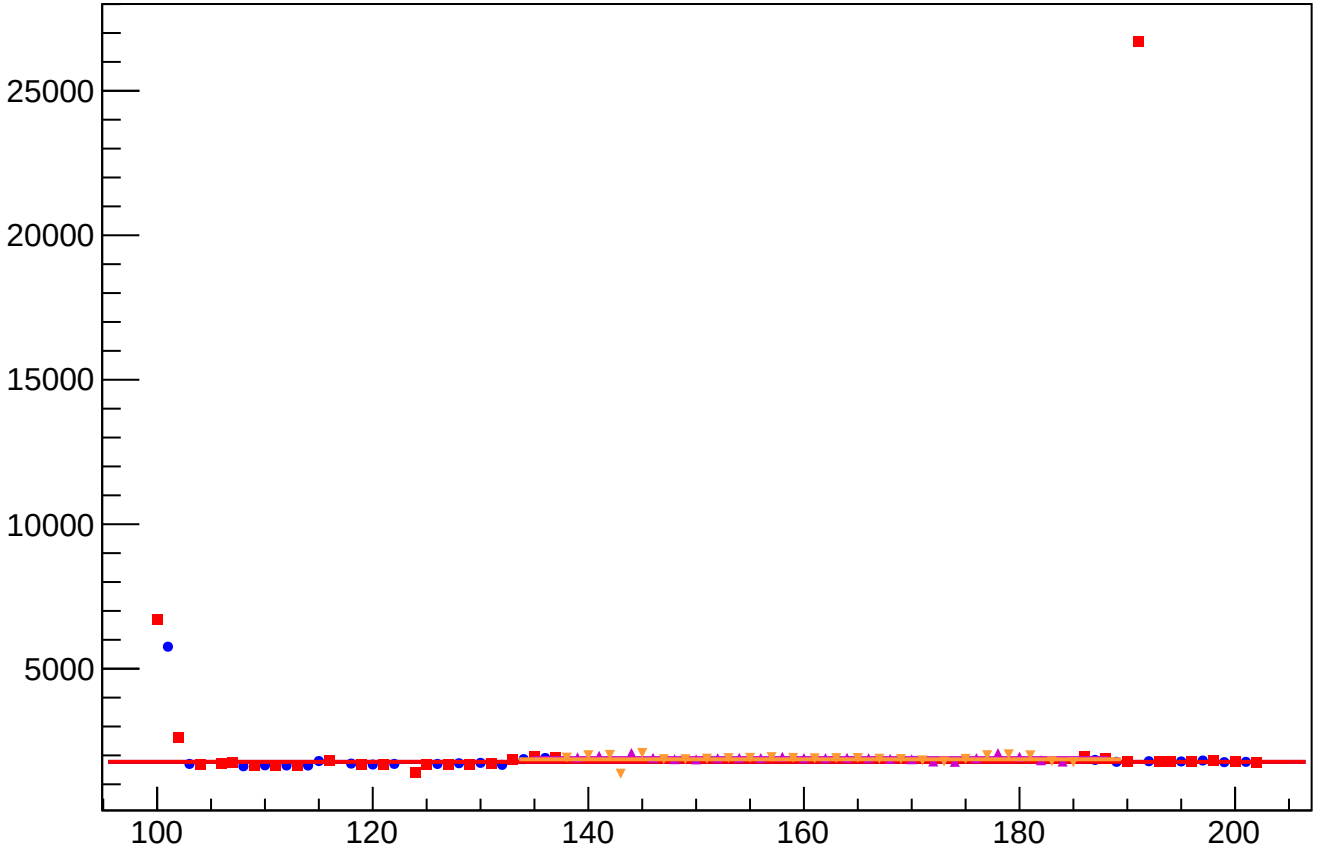
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 763.603+/-327.231 χ^2/NDF: 65.0/47

All: 437.120+/-230.633 χ^2/NDF: 110.0/99

- sign 114.863+/-325.107 χ^2/NDF: 42.9/51

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1774.078+/-0.362 χ^2/NDF: 670588.2/22

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

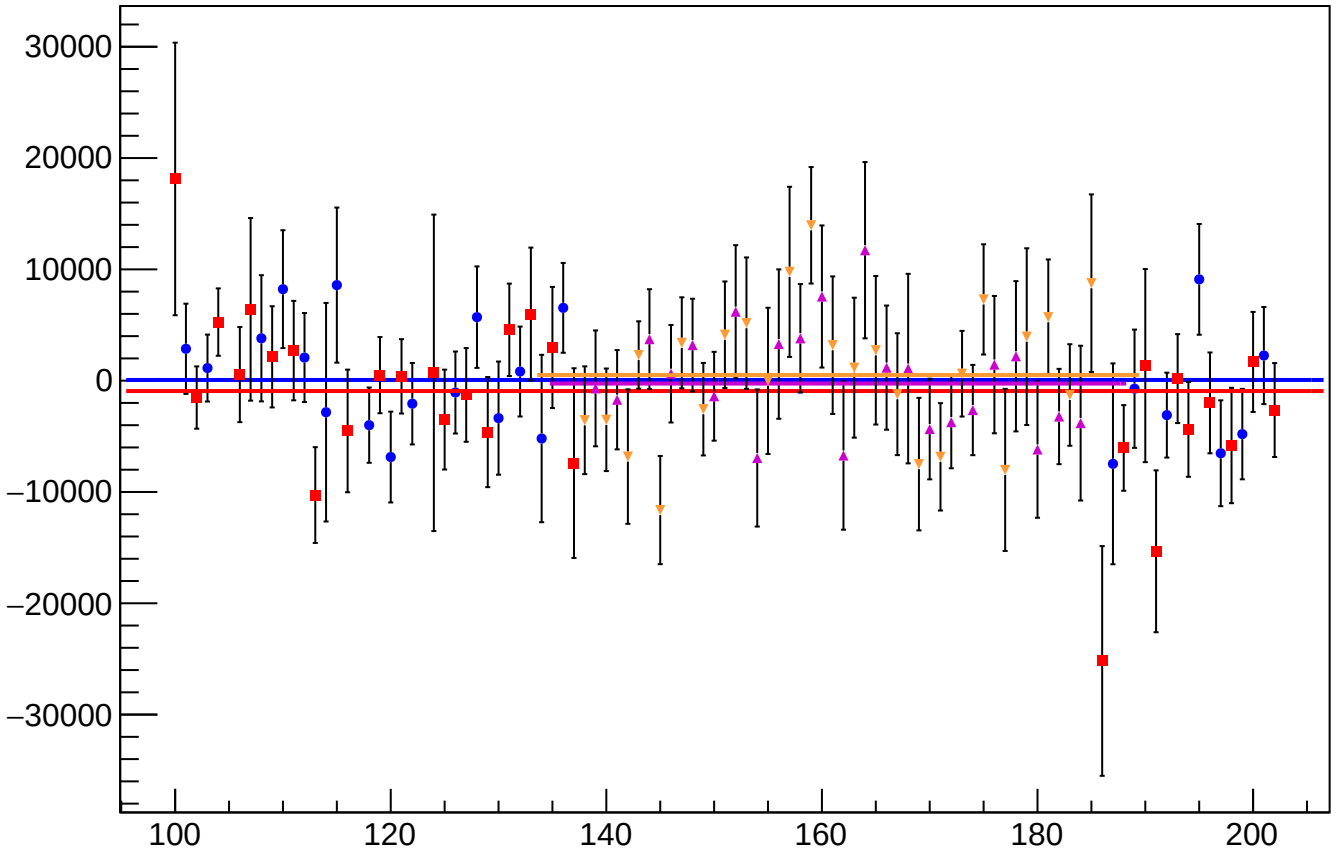
Right Out: 1776.576+/-0.336 χ^2/NDF: 561642.7/28

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1827.805+/-0.231 χ^2/NDF: 1002470.1/47

All: 1836.590+/-0.163 χ^2/NDF: 1698332.4/99

- sign 1845.250+/-0.230 χ^2/NDF: 692999.7/51



Right In: 63.727+/-924.805 χ^2/NDF: 23.4/22

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

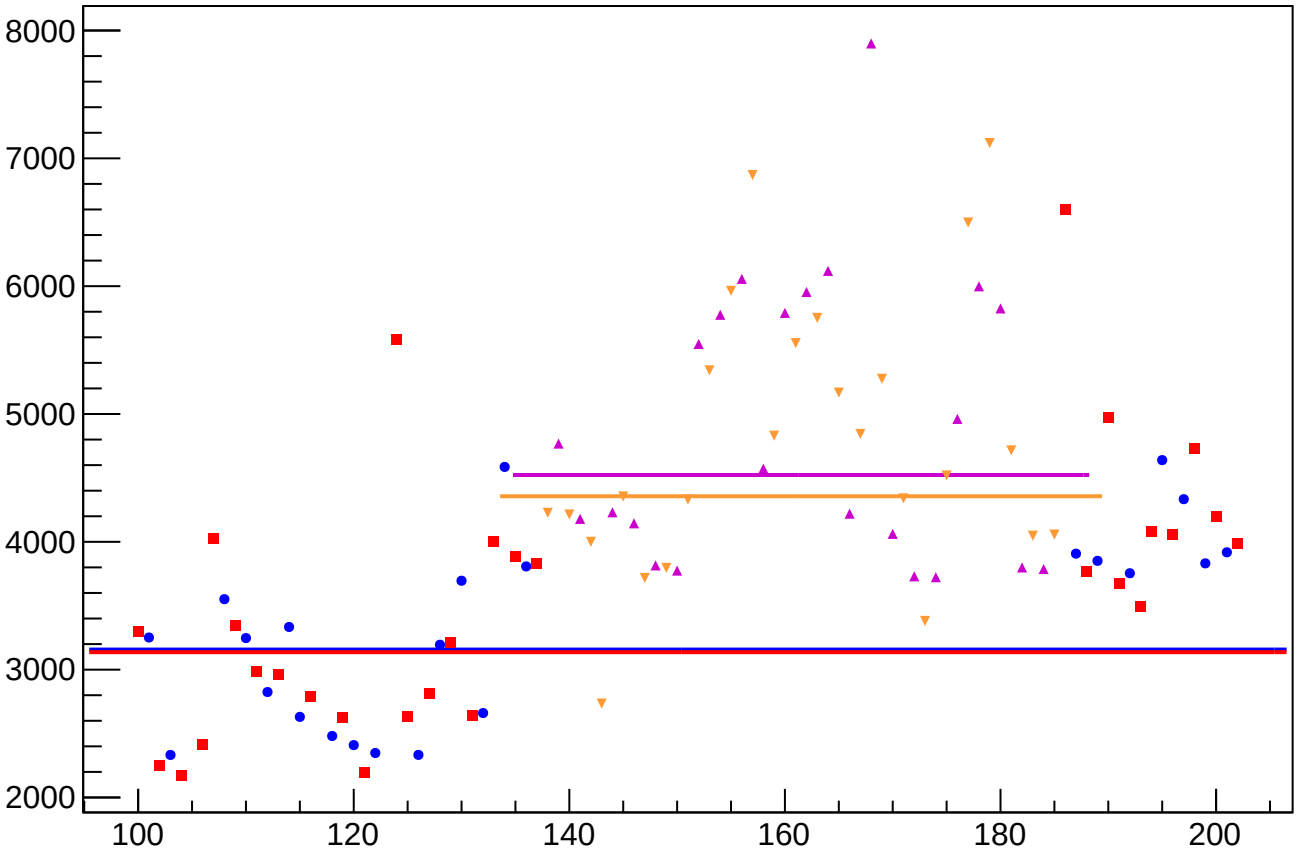
Right Out: -932.237+/-851.980 χ^2/NDF: 32.7/28

Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 262.124+/-685.635 χ^2/NDF: 53.6/47

All: -217.875+/-478.913 χ^2/NDF: 101.1/99

- sign -675.184+/-669.234 χ^2/NDF: 46.6/51



Right In: 3157.140+/-0.654 χ^2/NDF: 1222400.1/22

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3136.953+/-0.602 χ^2/NDF: 1883496.6/28

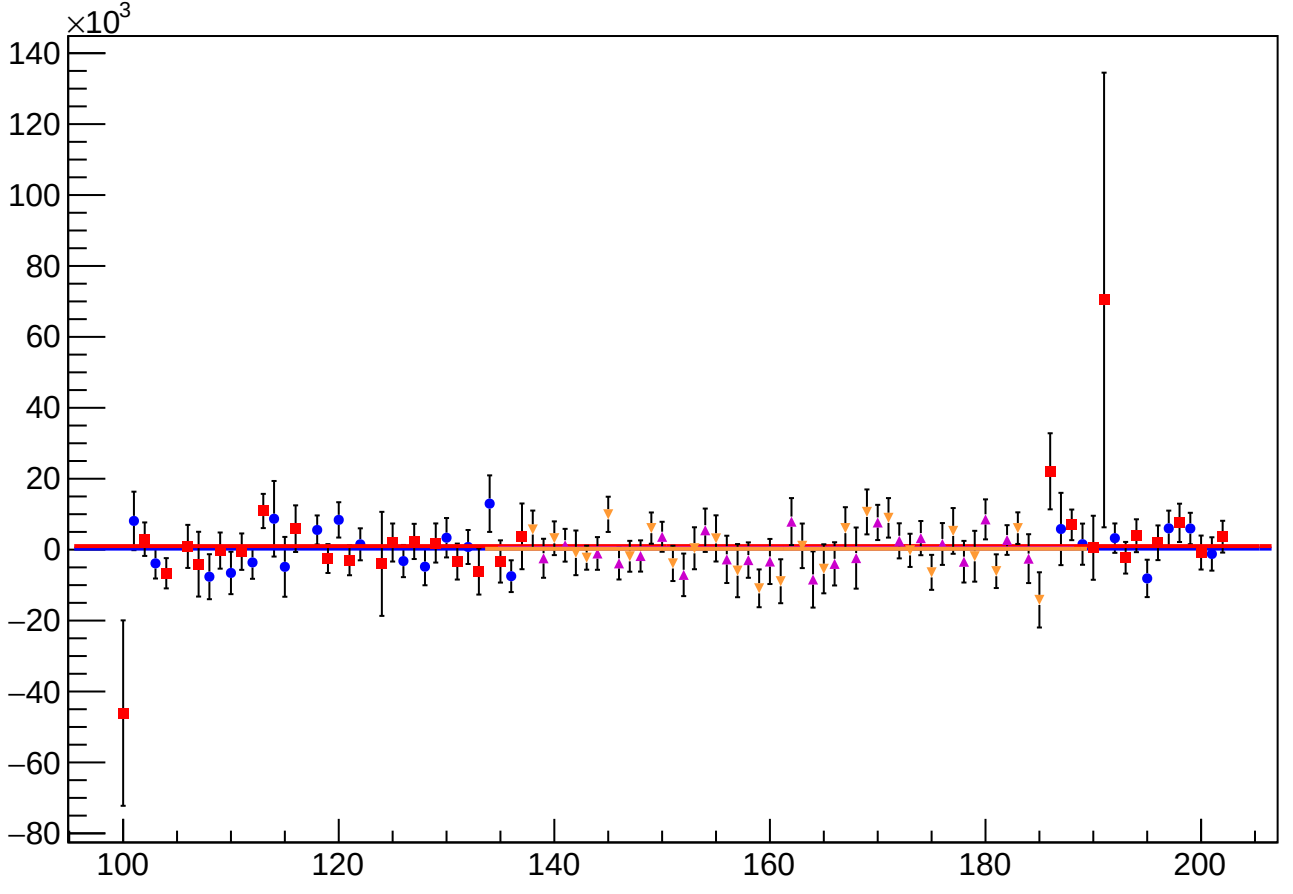
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3697.340+/-0.485 χ^2/NDF: 4649994.2/47

All: 3682.165+/-0.339 χ^2/NDF: 9996062.1/99

- sign 3667.707+/-0.473 χ^2/NDF: 5344154.6/51

asym_atr1l2_dd_mean vs Slug



Right In: 296.598+/-1092.804 χ^2/NDF: 24.6/22

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 1001.160+/-1023.063 χ^2/NDF: 26.2/28

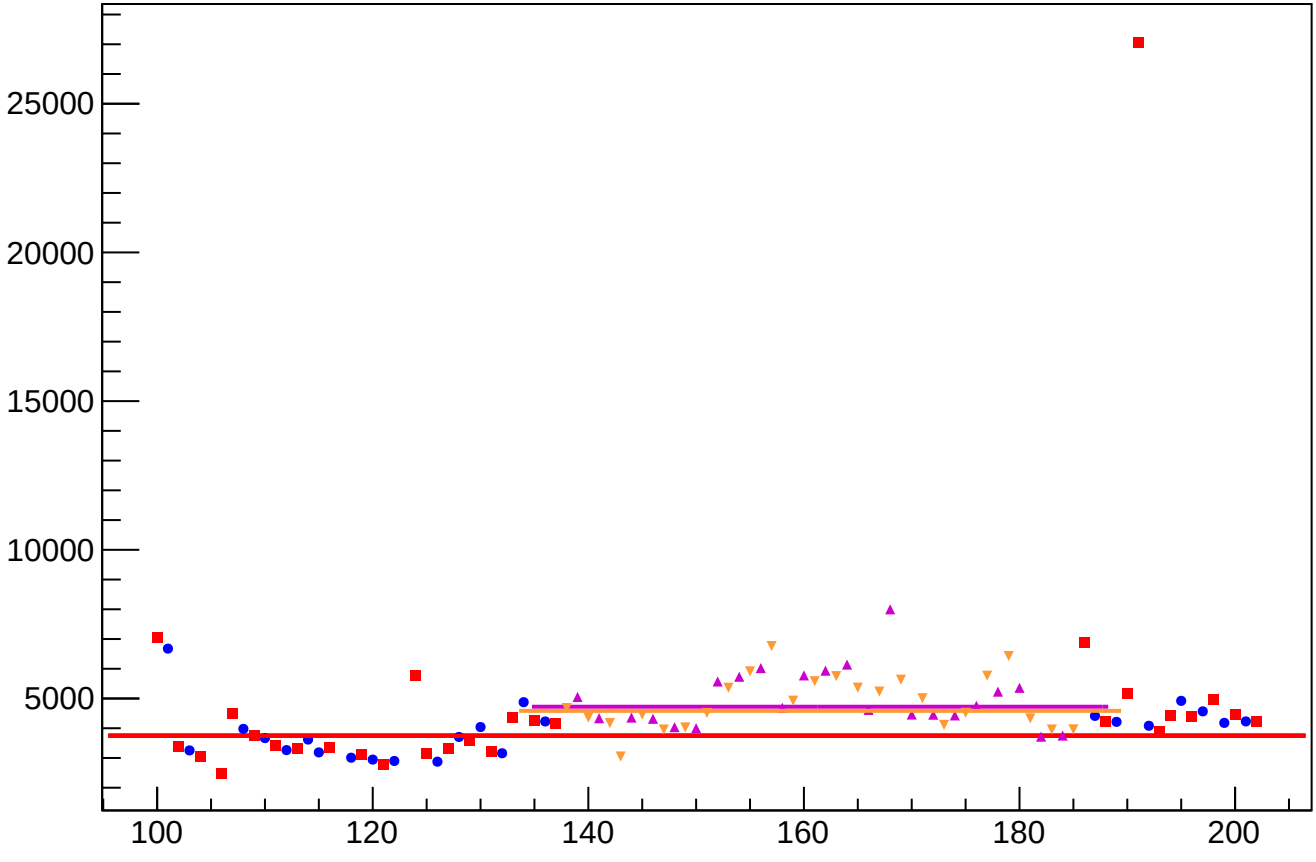
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 267.524+/-762.579 χ^2/NDF: 56.8/47

All: 499.376+/-536.801 χ^2/NDF: 97.6/99

- sign 727.106+/-755.770 χ^2/NDF: 40.6/51

asym_atr1l2_dd_rms vs Slug



Right In: 3759.893+/-0.773 χ^2/NDF: 900775.0/22

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3740.448+/-0.717 χ^2/NDF: 1338582.3/28

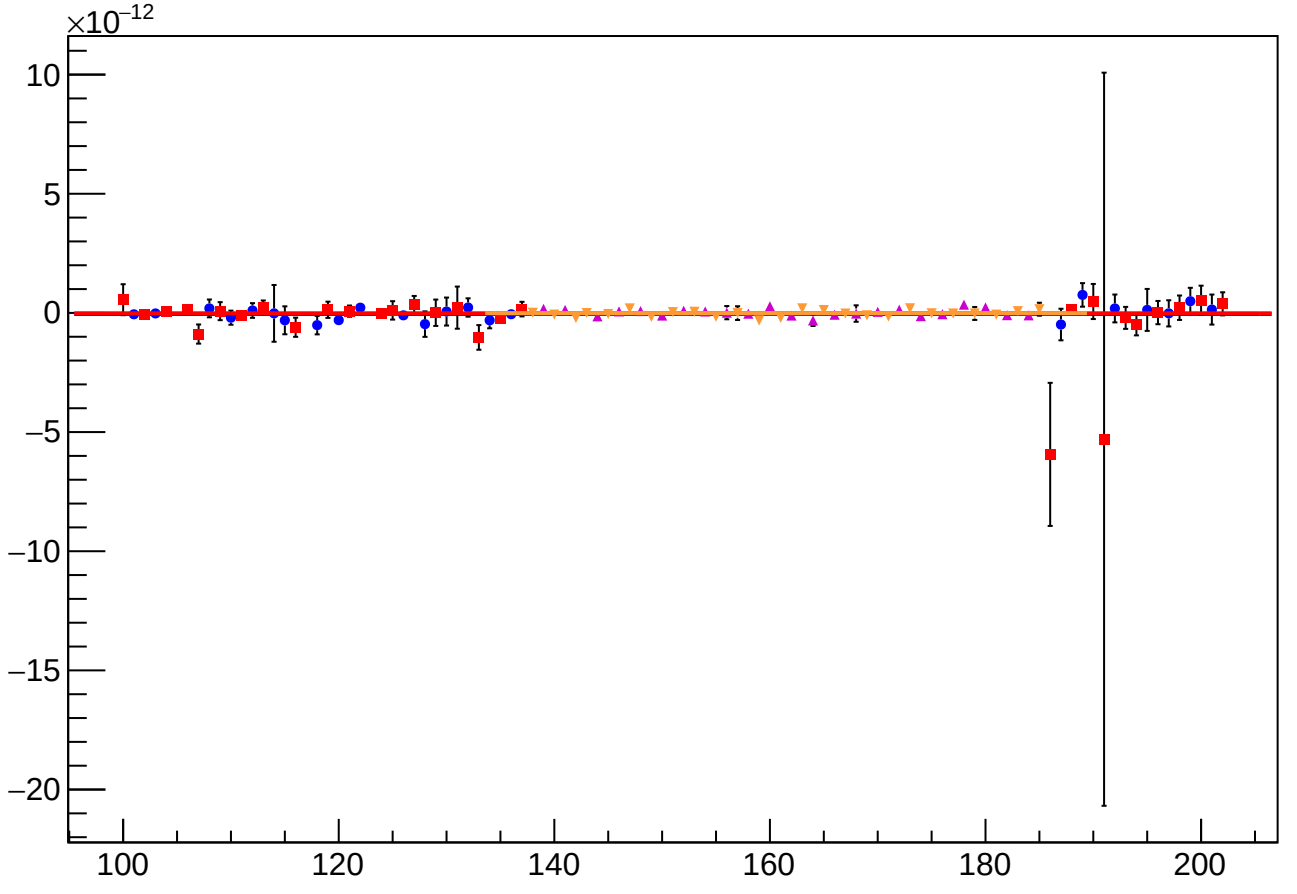
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4183.040+/-0.539 χ^2/NDF: 2796978.2/47

All: 4182.708+/-0.379 χ^2/NDF: 5997121.5/99

- sign 4182.385+/-0.532 χ^2/NDF: 3200142.6/51

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/28

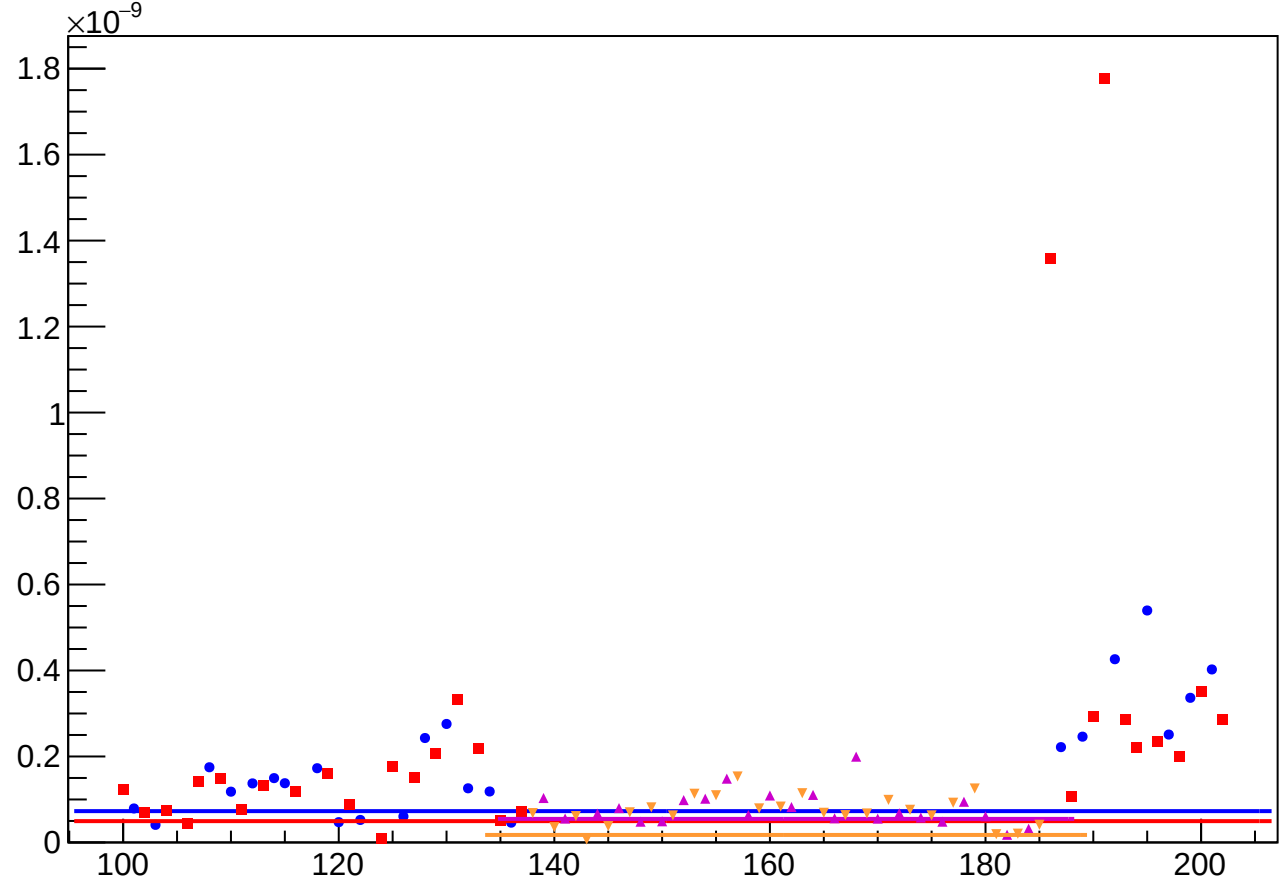
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.2/47

All: -0.000+/-0.000 χ^2/NDF: 88.8/99

- sign -0.000+/-0.000 χ^2/NDF: 52.6/51

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4364950.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6306065.1/28

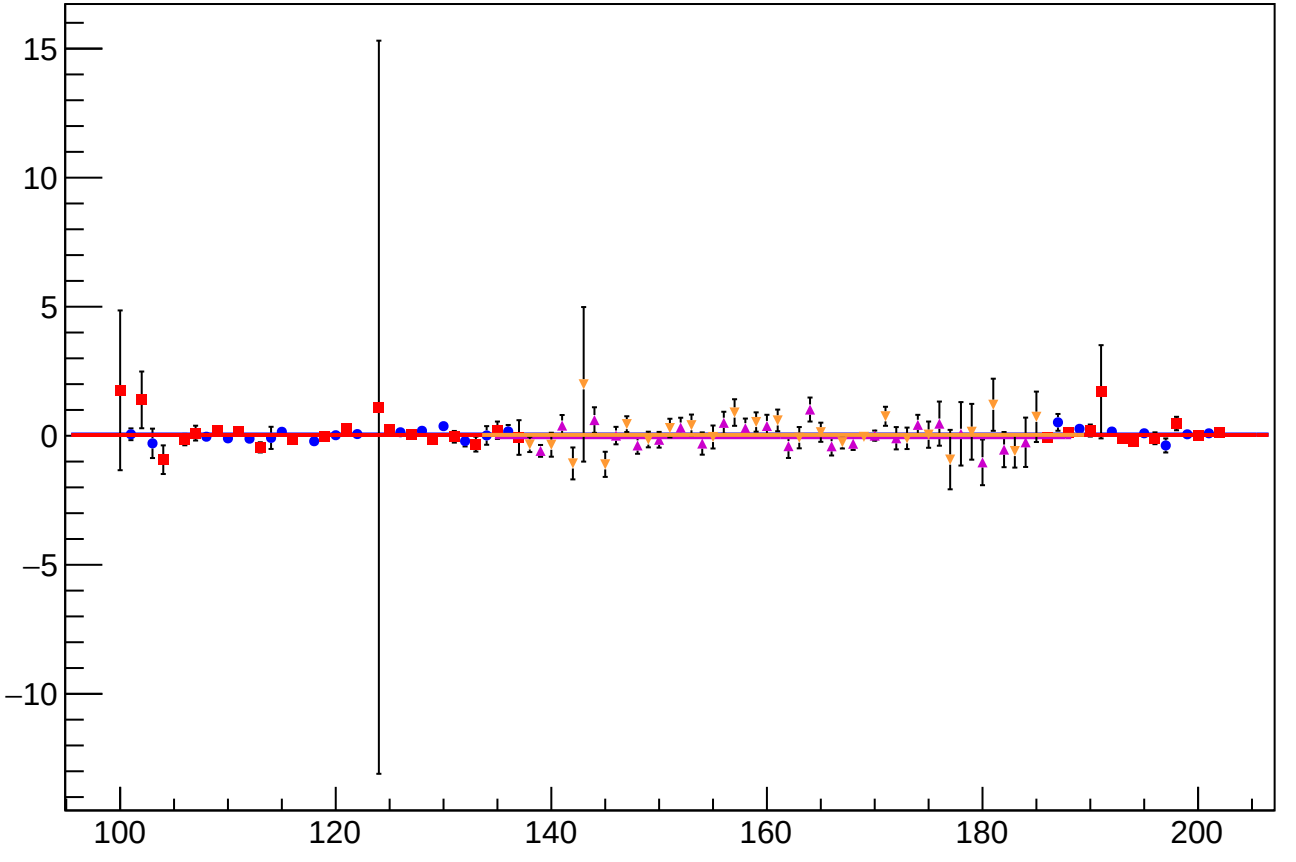
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 16256120.5/47

All: 0.000+/-0.000 χ^2/NDF: 29469060.0/99

- sign 0.000+/-0.000 χ^2/NDF: 9135411.2/51

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.040 χ^2/NDF: 19.2/22

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.030+/-0.035 χ^2/NDF: 31.5/28

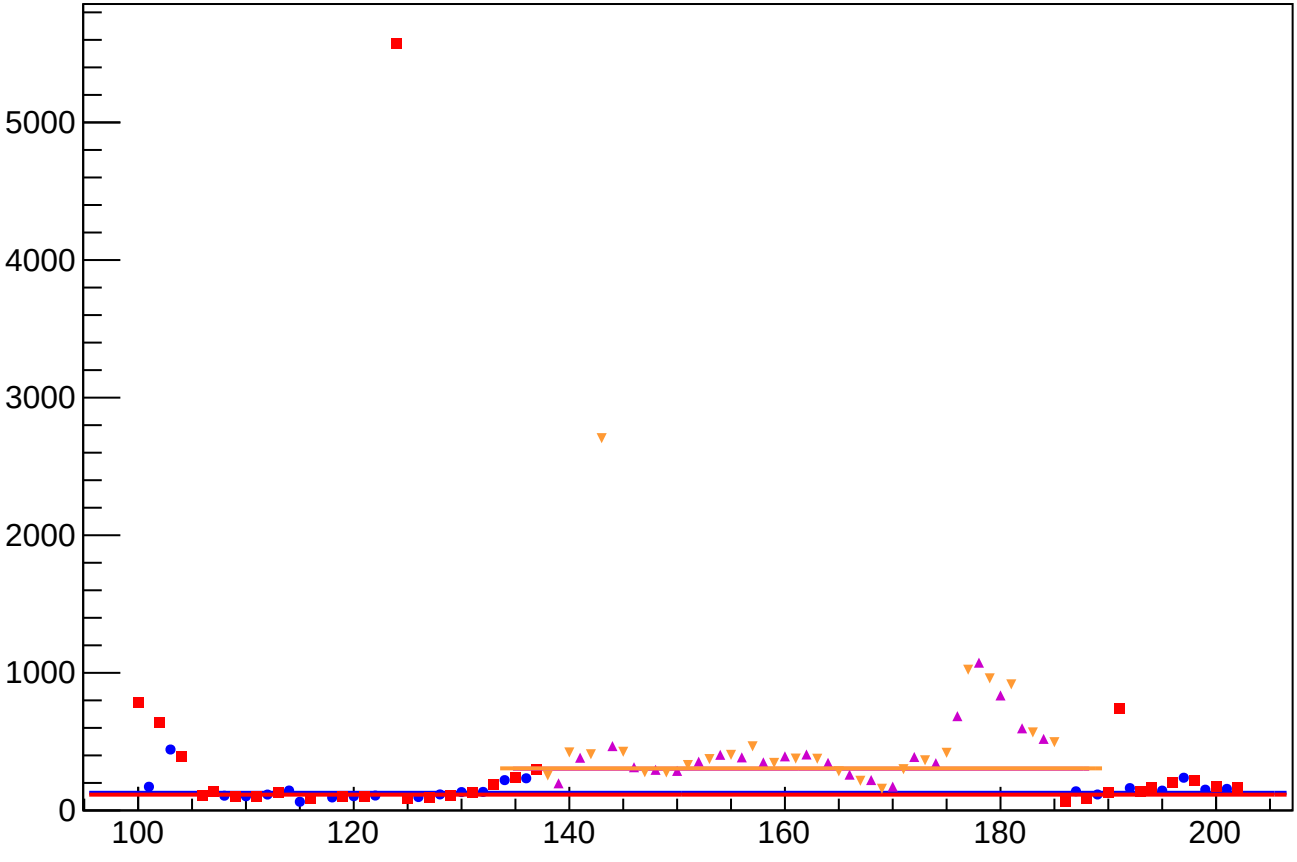
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.045+/-0.035 χ^2/NDF: 49.7/47

All: 0.029+/-0.024 χ^2/NDF: 108.7/99

- sign 0.015+/-0.032 χ^2/NDF: 58.6/51

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 128.284+/-0.028 χ^2/NDF: 2344706.9/22

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 114.884+/-0.024 χ^2/NDF: 4291335.3/28

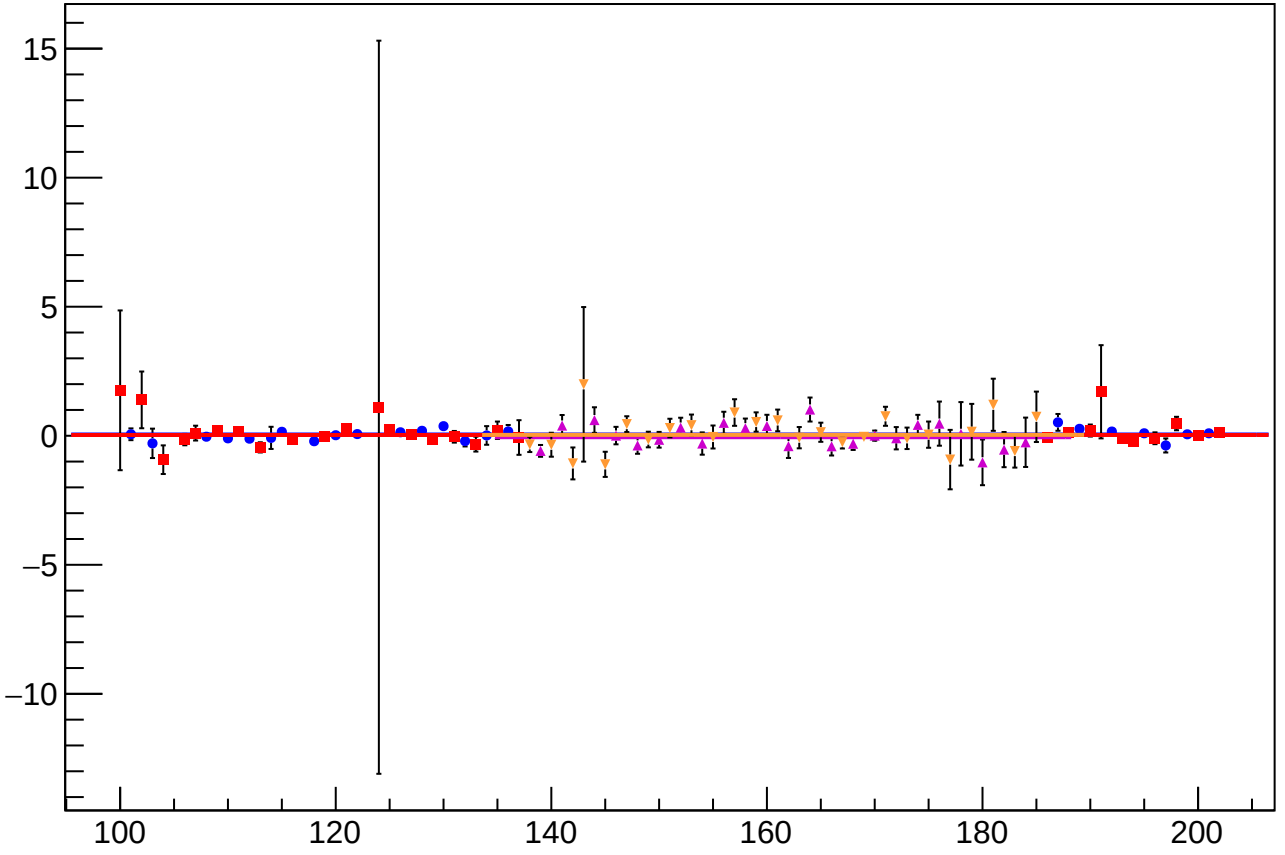
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 164.739+/-0.025 χ^2/NDF: 17240300.4/47

All: 154.451+/-0.017 χ^2/NDF: 36551472.4/99

- sign 146.240+/-0.022 χ^2/NDF: 19005749.2/51

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.040 χ^2/NDF: 19.2/22

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.030+/-0.035 χ^2/NDF: 31.5/28

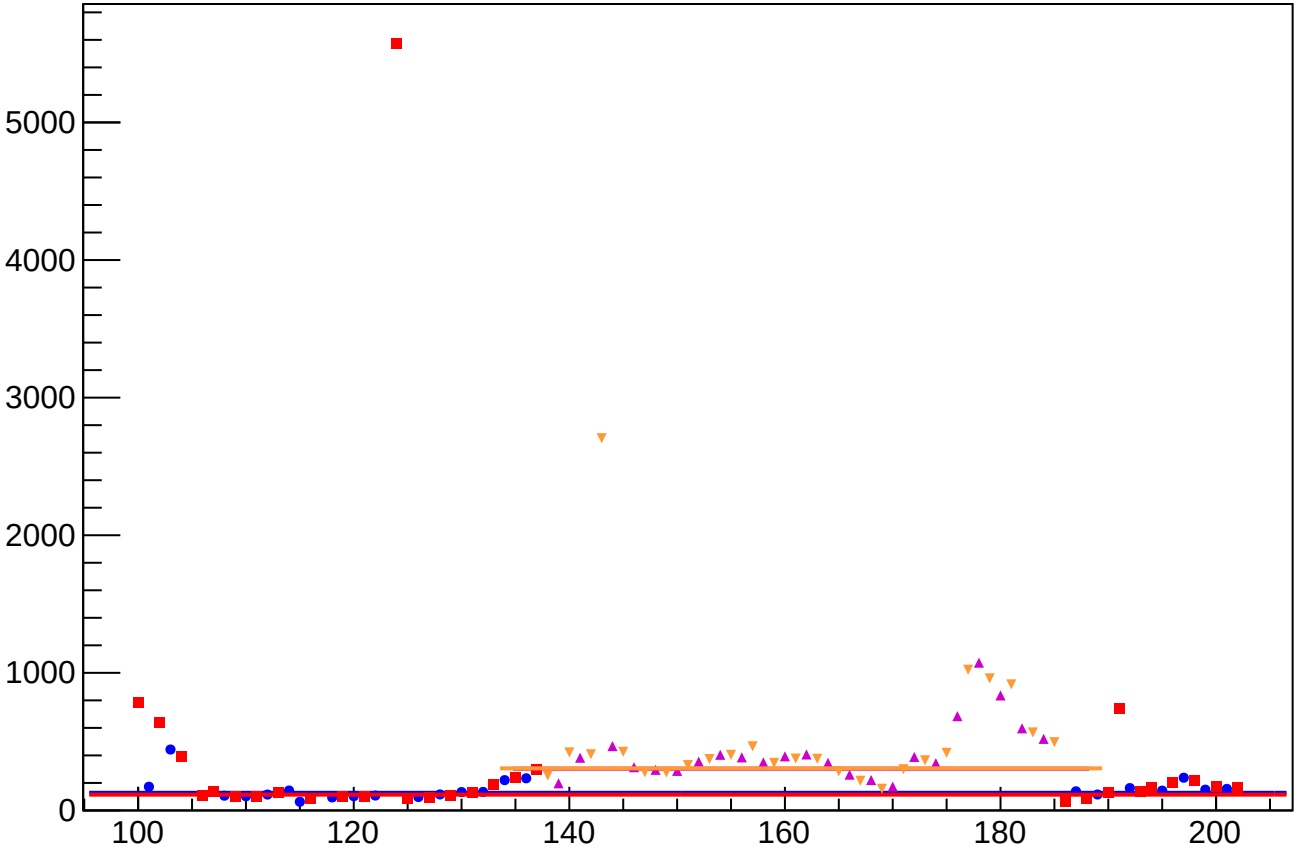
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.045+/-0.035 χ^2/NDF: 49.7/47

All: 0.029+/-0.024 χ^2/NDF: 108.7/99

- sign 0.015+/-0.032 χ^2/NDF: 58.6/51

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.284+/-0.028 χ^2/NDF: 2344706.9/22

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

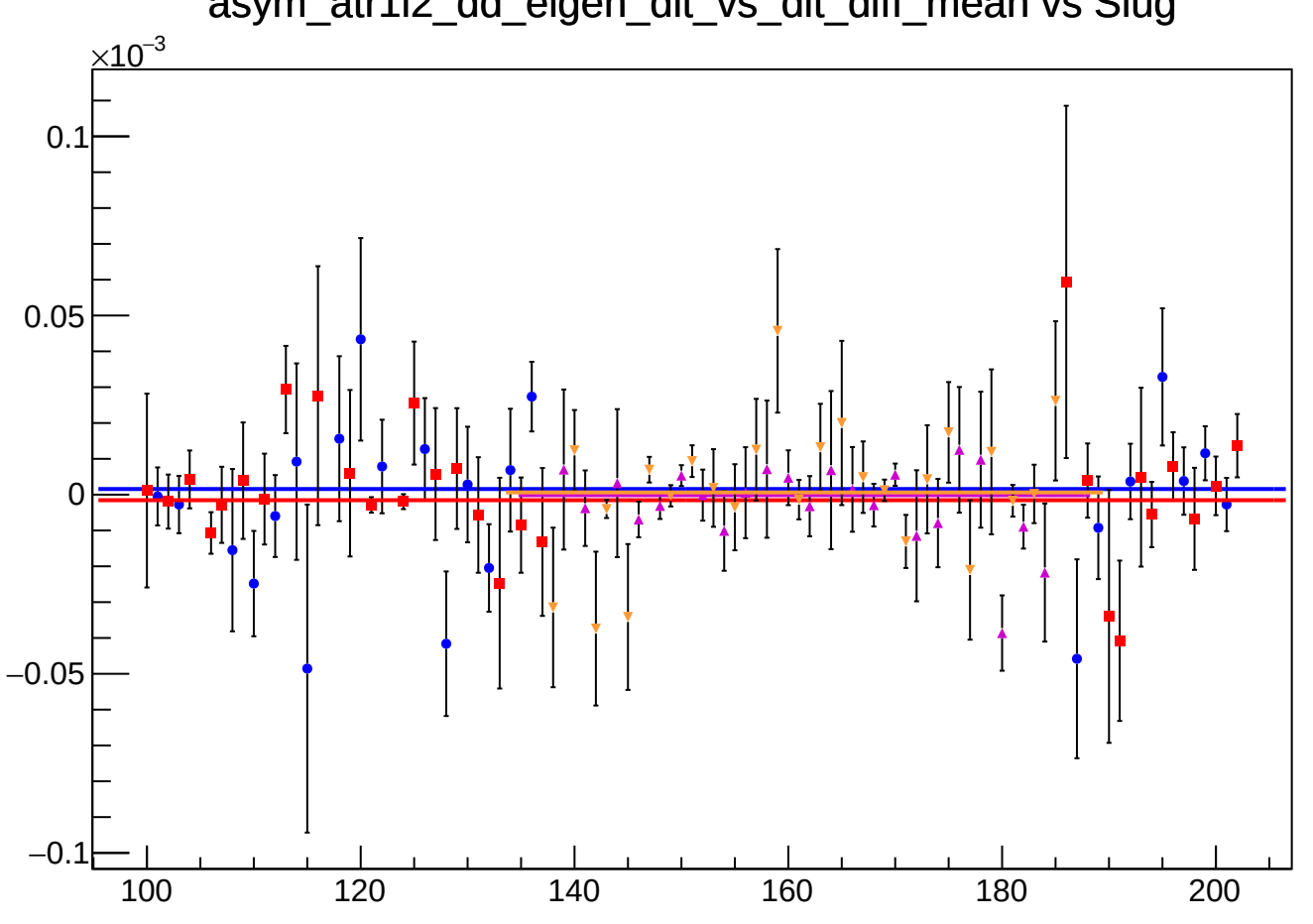
Right Out: 114.884+/-0.024 χ^2/NDF: 4291335.3/28

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 164.739+/-0.025 χ^2/NDF: 17240300.4/47

All: 154.451+/-0.017 χ^2/NDF: 36551472.4/99

- sign 146.240+/-0.022 χ^2/NDF: 19005749.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

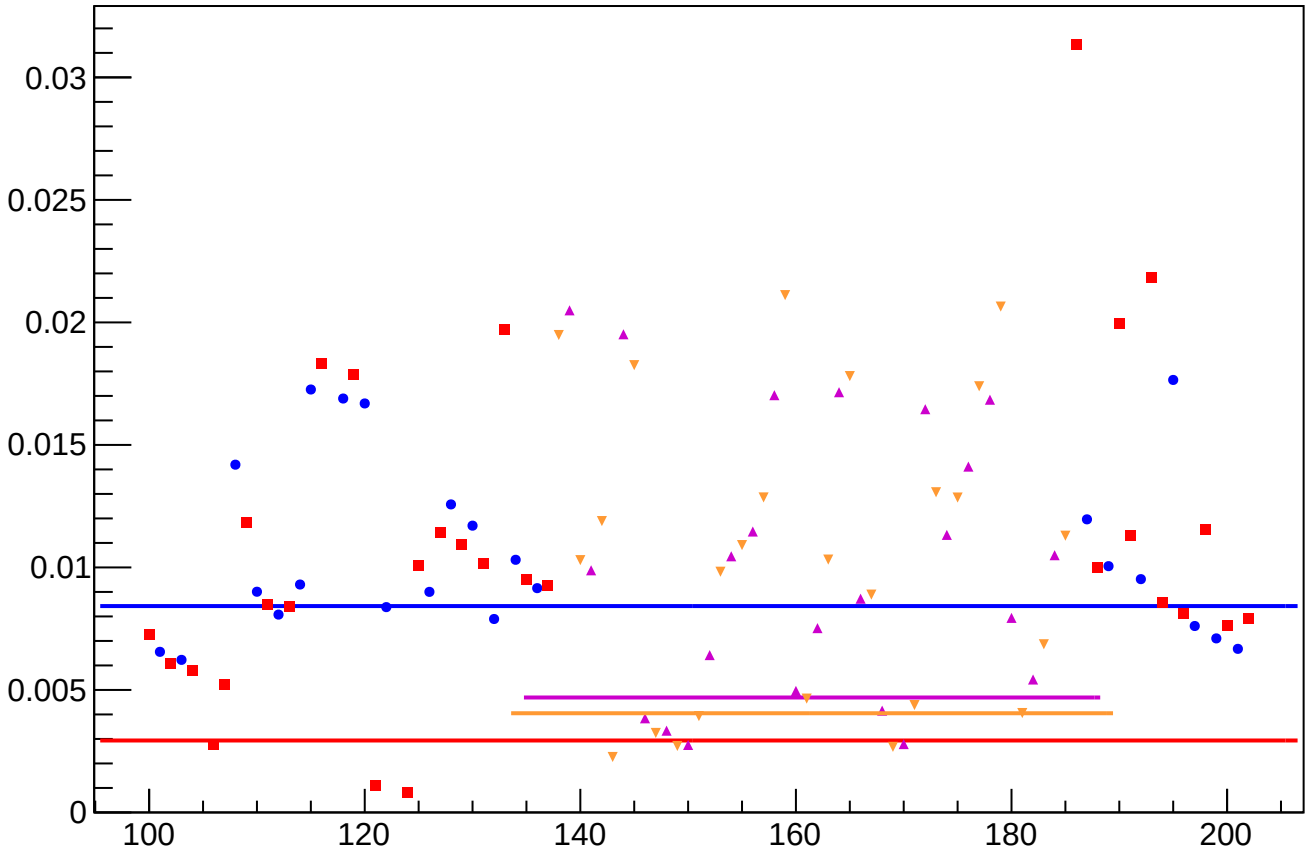
Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/28

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.3/47

All: -0.000+/-0.000 χ^2/NDF: 124.4/99

- sign -0.000+/-0.000 χ^2/NDF: 55.6/51



Right In: 0.008+/-0.000 χ^2/NDF: 1851863.1/22

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 16647386.3/28

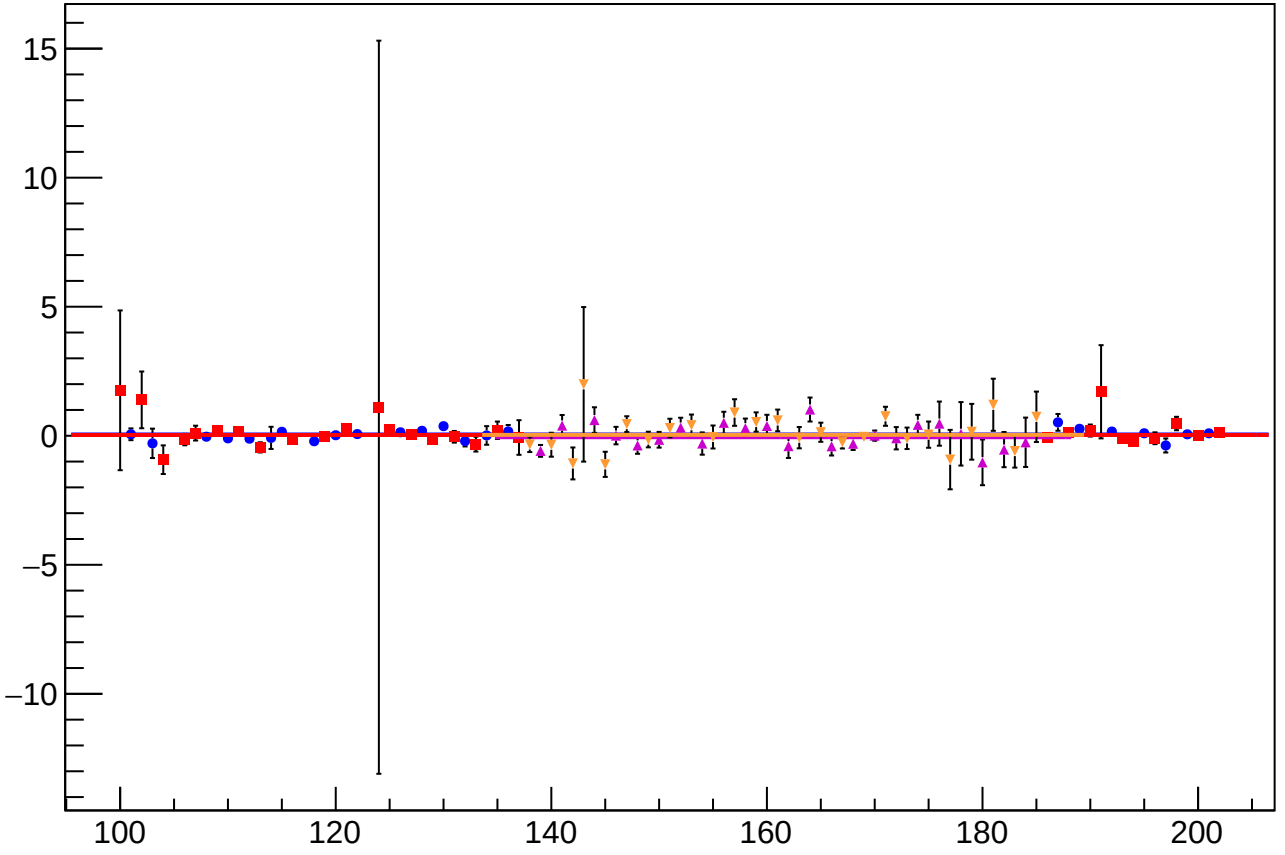
Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 20205070.1/47

All: 0.004+/-0.000 χ^2/NDF: 50645271.8/99

- sign 0.004+/-0.000 χ^2/NDF: 29241228.6/51

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.040 χ^2/NDF: 19.2/22

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.030+/-0.035 χ^2/NDF: 31.5/28

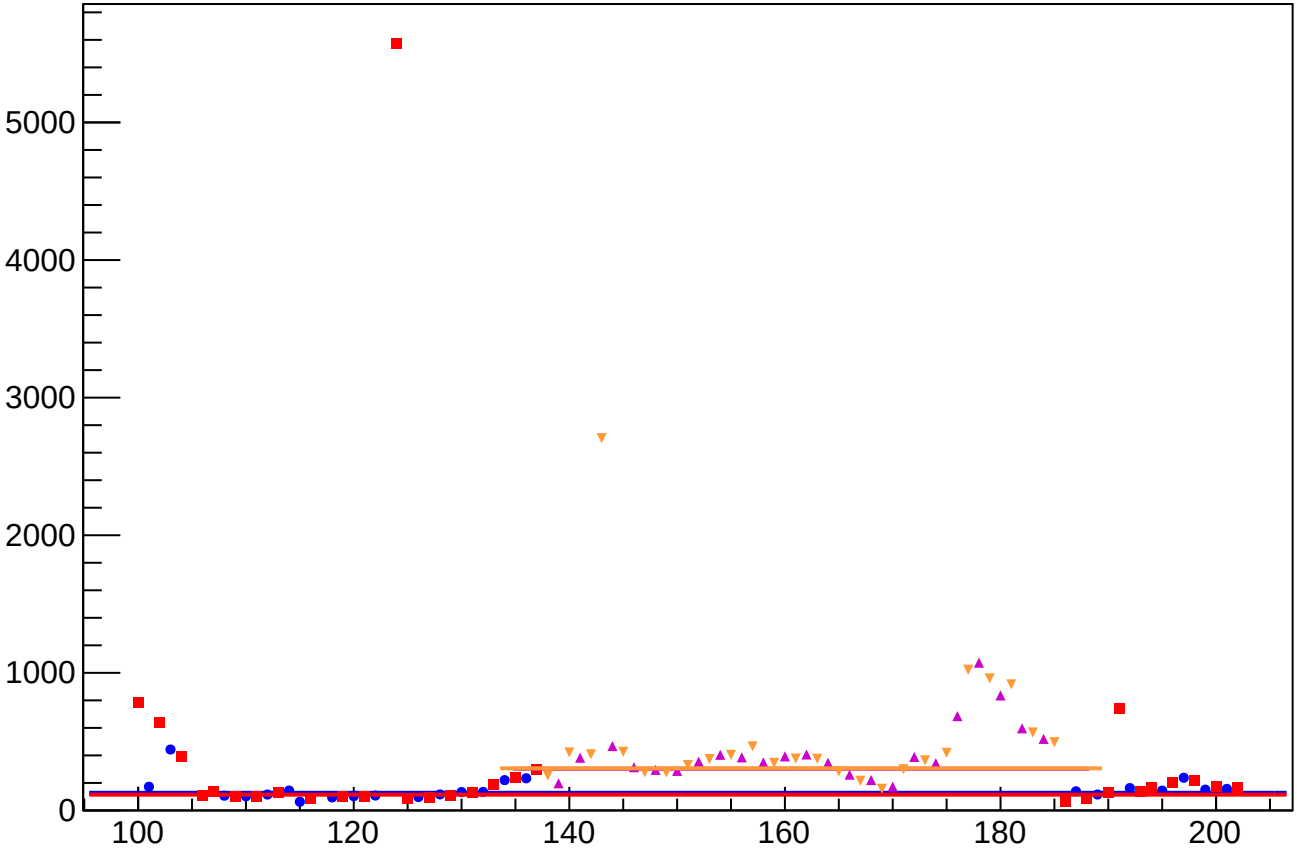
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.045+/-0.035 χ^2/NDF: 49.7/47

All: 0.029+/-0.024 χ^2/NDF: 108.7/99

- sign 0.015+/-0.032 χ^2/NDF: 58.6/51

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.284+/-0.028 χ^2/NDF: 2344674.4/22

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

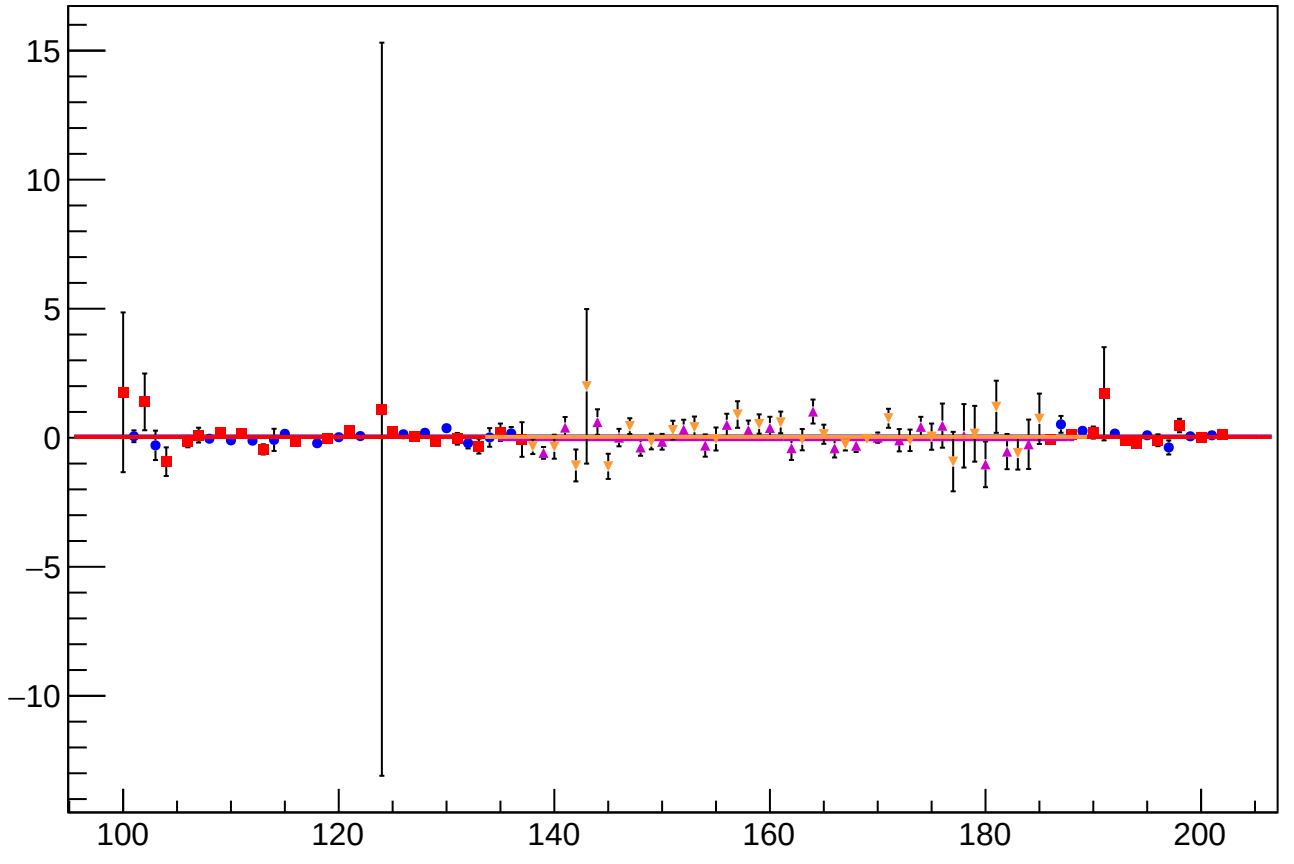
Right Out: 114.884+/-0.024 χ^2/NDF: 4291127.7/28

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 164.740+/-0.025 χ^2/NDF: 17240378.7/47

All: 154.451+/-0.017 χ^2/NDF: 36551361.6/99

- sign 146.241+/-0.022 χ^2/NDF: 19005577.9/51



Right In: 0.048+/-0.040 χ^2/NDF: 19.2/22

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

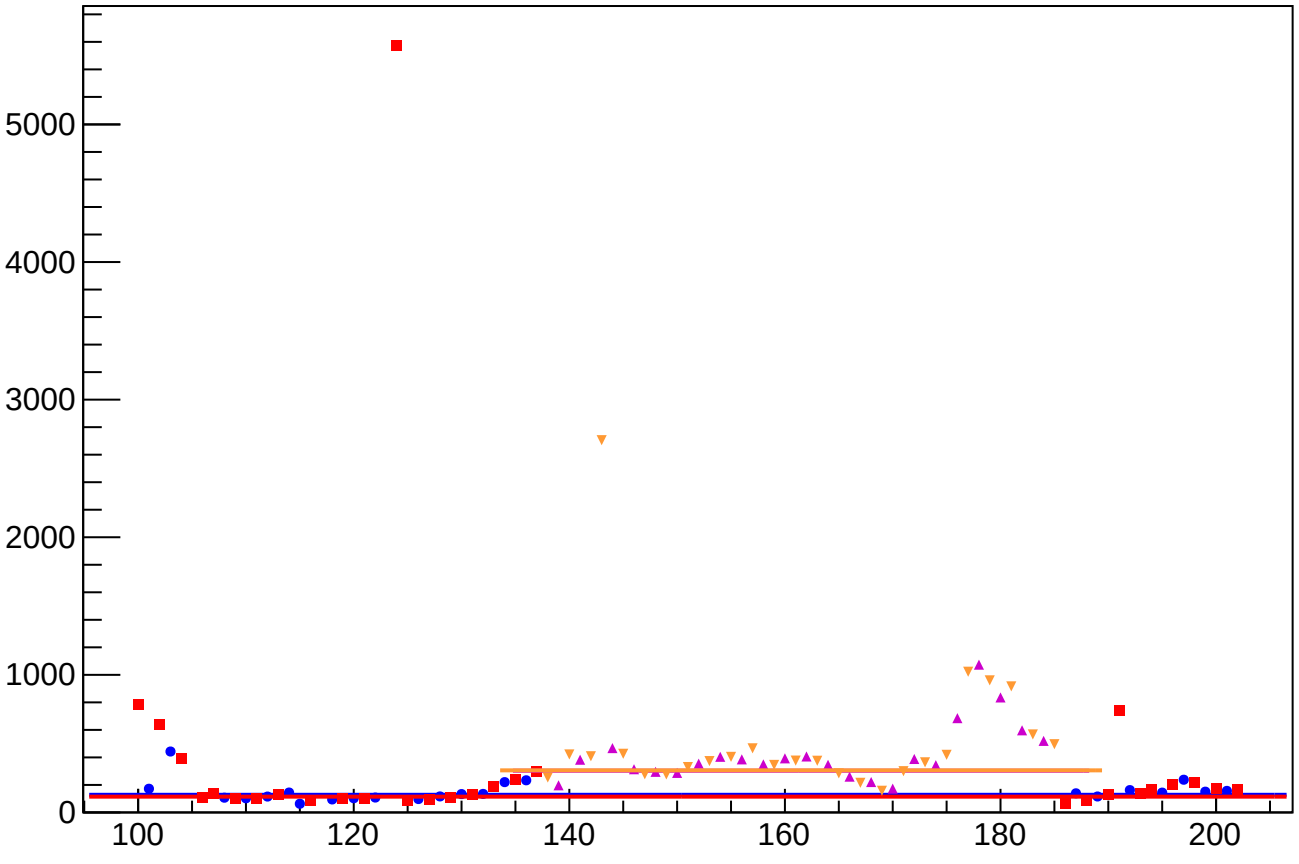
Right Out: 0.030+/-0.035 χ^2/NDF: 31.5/28

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.045+/-0.035 χ^2/NDF: 49.7/47

All: 0.029+/-0.024 χ^2/NDF: 108.7/99

- sign 0.015+/-0.032 χ^2/NDF: 58.6/51



Right In: 128.284+/-0.028 χ^2/NDF: 2344674.4/22

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

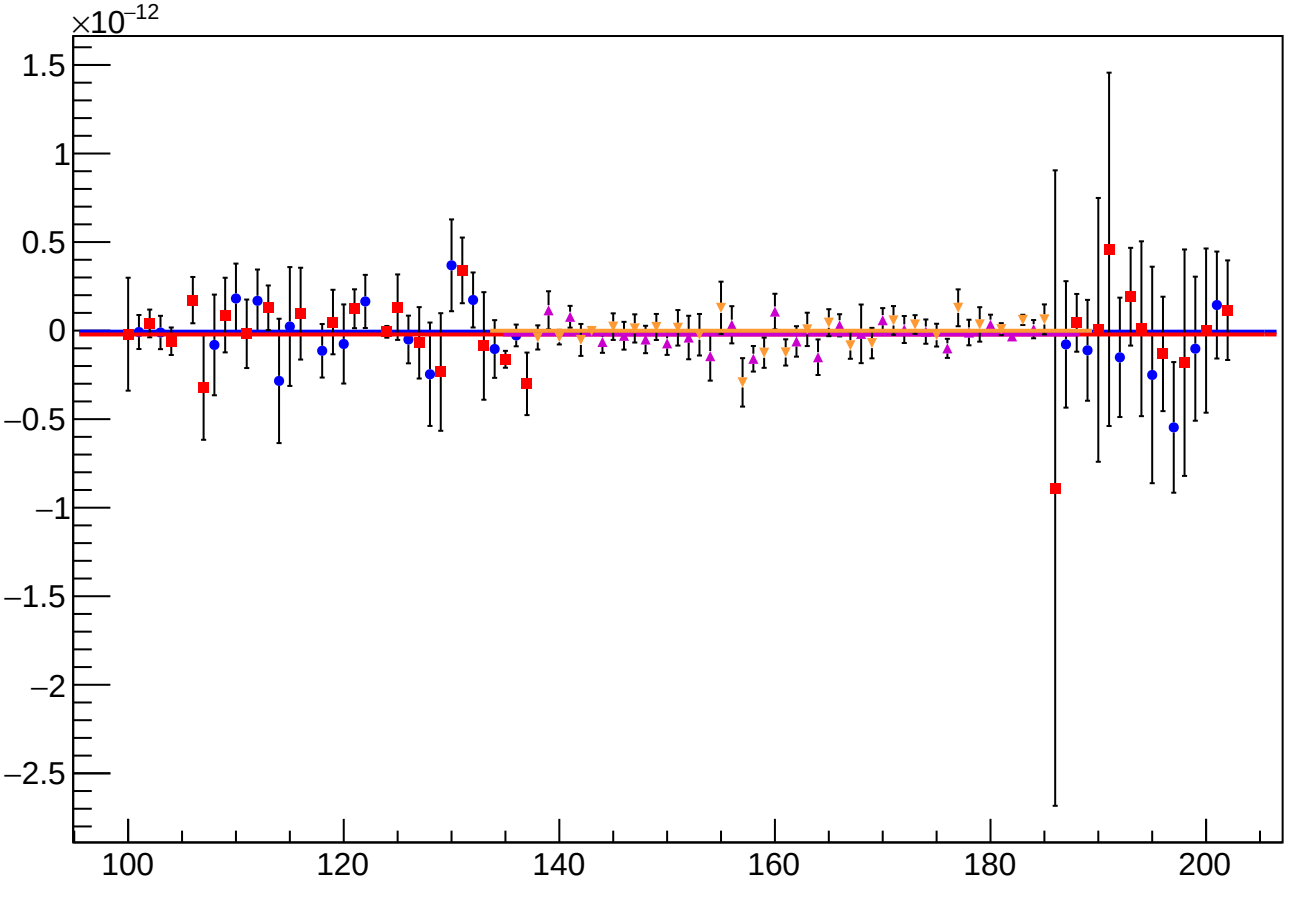
Right Out: 114.884+/-0.024 χ^2/NDF: 4291127.7/28

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 164.740+/-0.025 χ^2/NDF: 17240378.7/47

All: 154.451+/-0.017 χ^2/NDF: 36551361.6/99

- sign 146.241+/-0.022 χ^2/NDF: 19005577.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

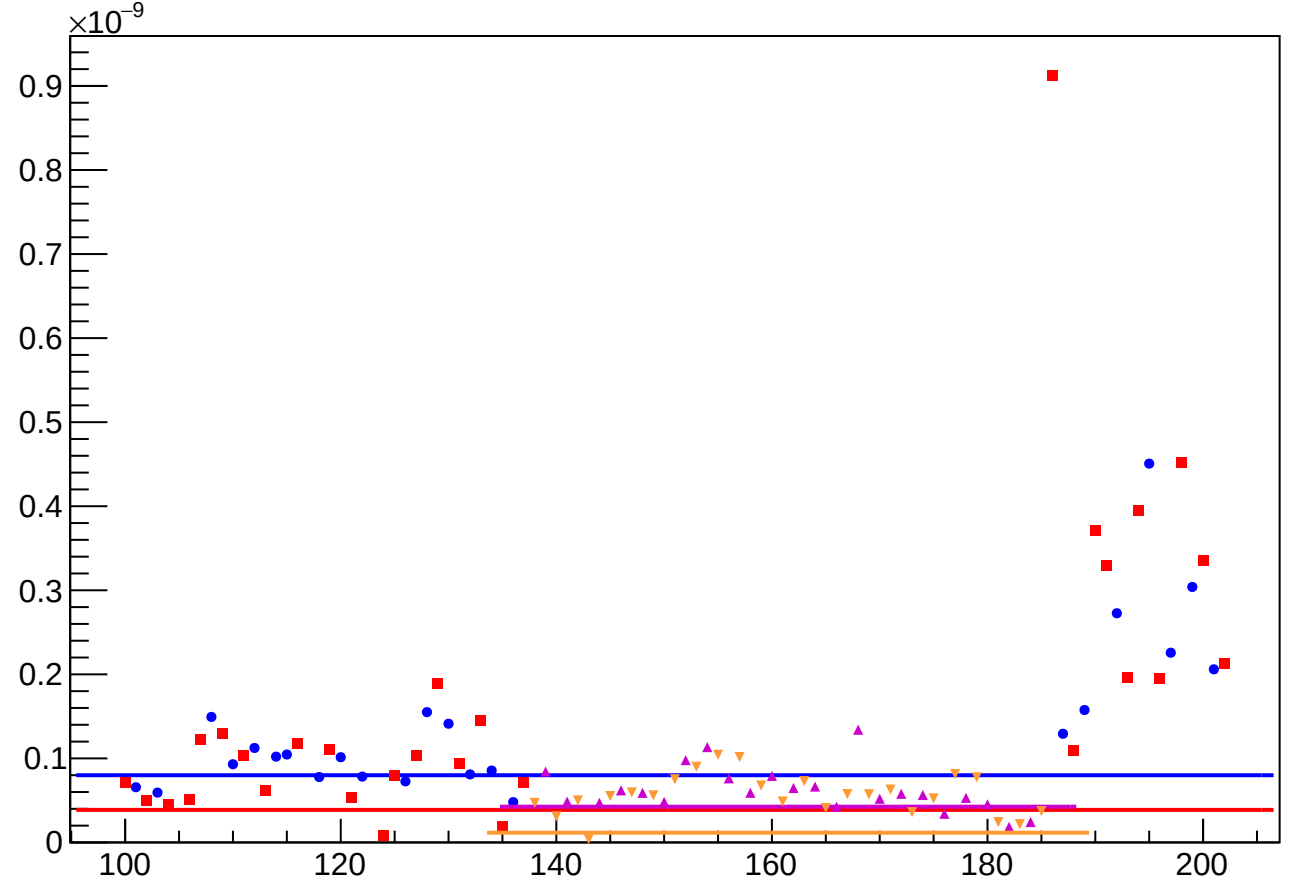
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.2/47

All: -0.000+/-0.000 χ^2/NDF: 82.3/99

- sign -0.000+/-0.000 χ^2/NDF: 45.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 4012193.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10621612.3/28

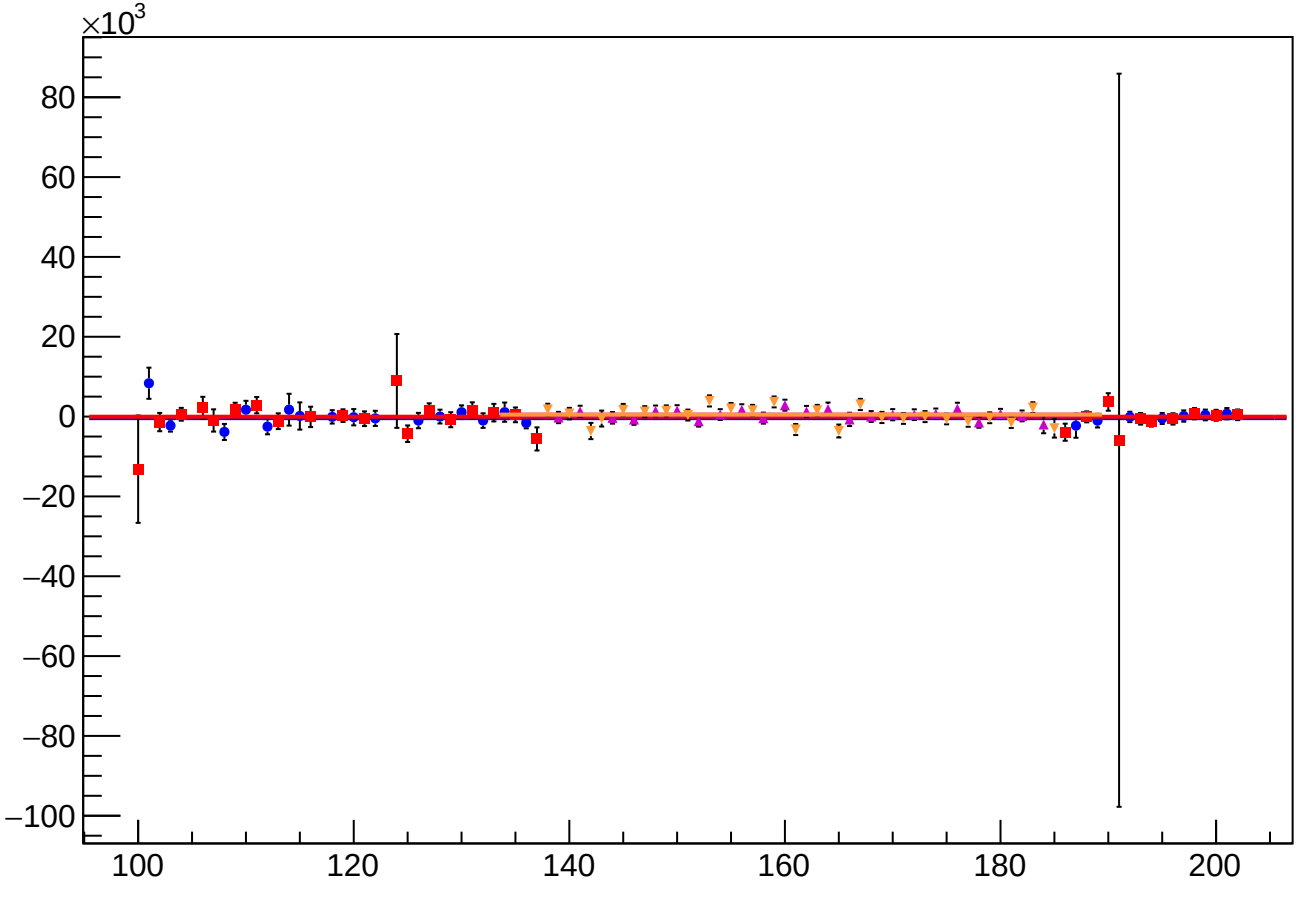
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30022980.2/47

All: 0.000+/-0.000 χ^2/NDF: 55778922.9/99

- sign 0.000+/-0.000 χ^2/NDF: 16088103.5/51

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -394.656+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -30.557+/-347.386 χ^2/NDF: 23.5/28

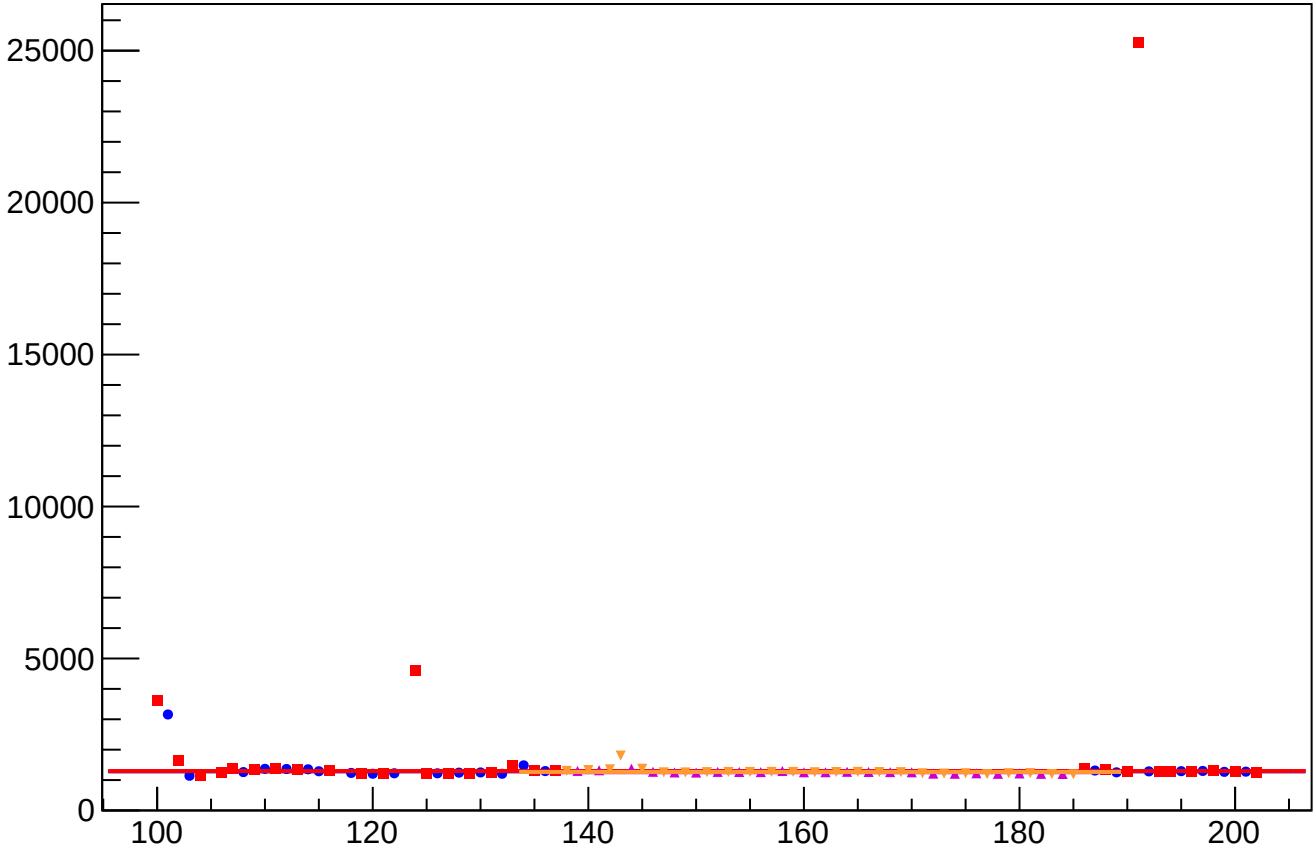
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 157.067+/-227.565 χ^2/NDF: 66.3/47

All: 214.903+/-159.751 χ^2/NDF: 105.7/99

- sign 271.098+/-224.314 χ^2/NDF: 39.2/51

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1286.533+/-0.262 χ^2/NDF: 516207.6/22

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

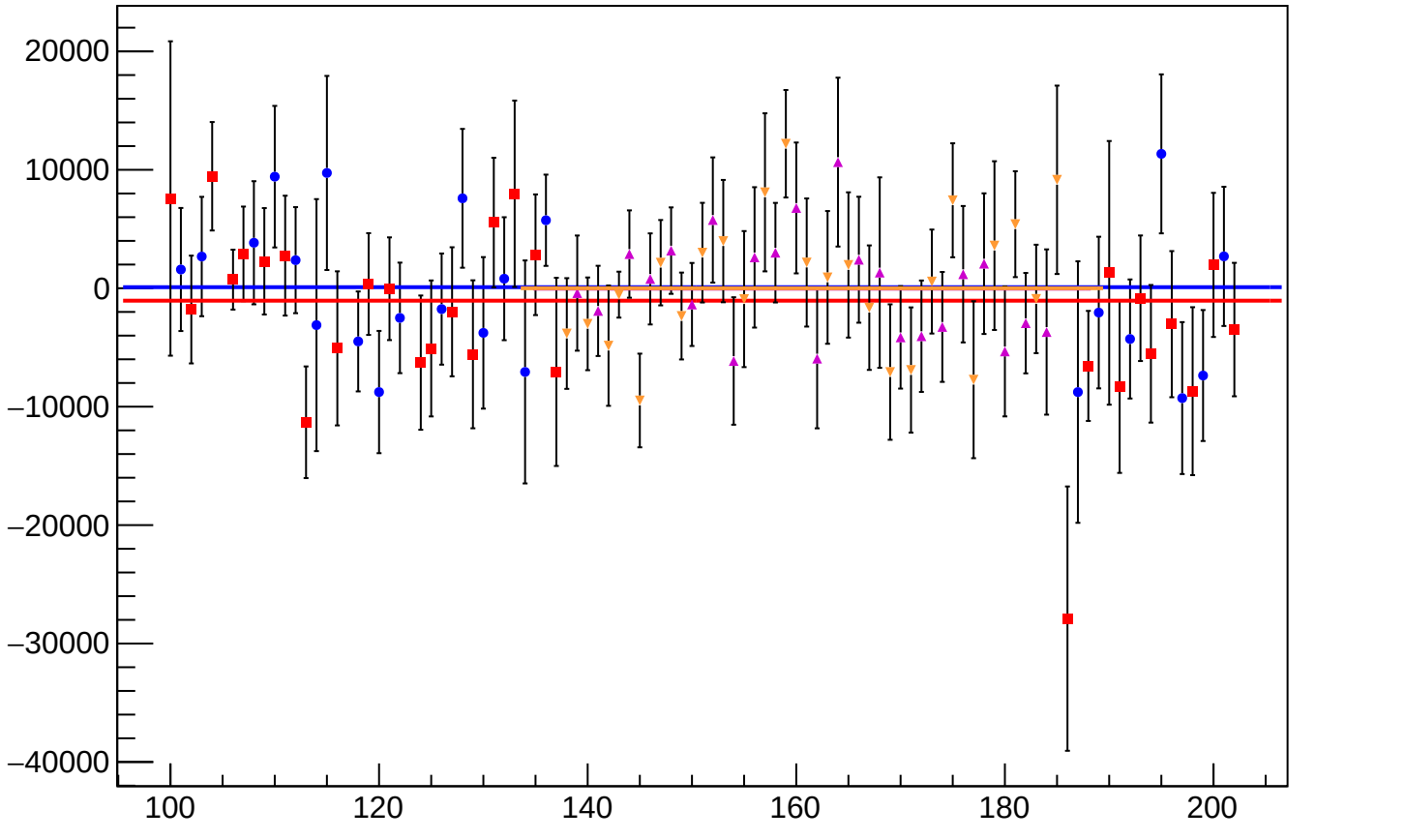
Right Out: 1296.553+/-0.245 χ^2/NDF: 467821.5/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707228.5/47

All: 1274.095+/-0.113 χ^2/NDF: 1226592.9/99

- sign 1273.838+/-0.159 χ^2/NDF: 519359.0/51



Right In: 89.768+/-1154.948 χ^2/NDF: 22.8/22

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

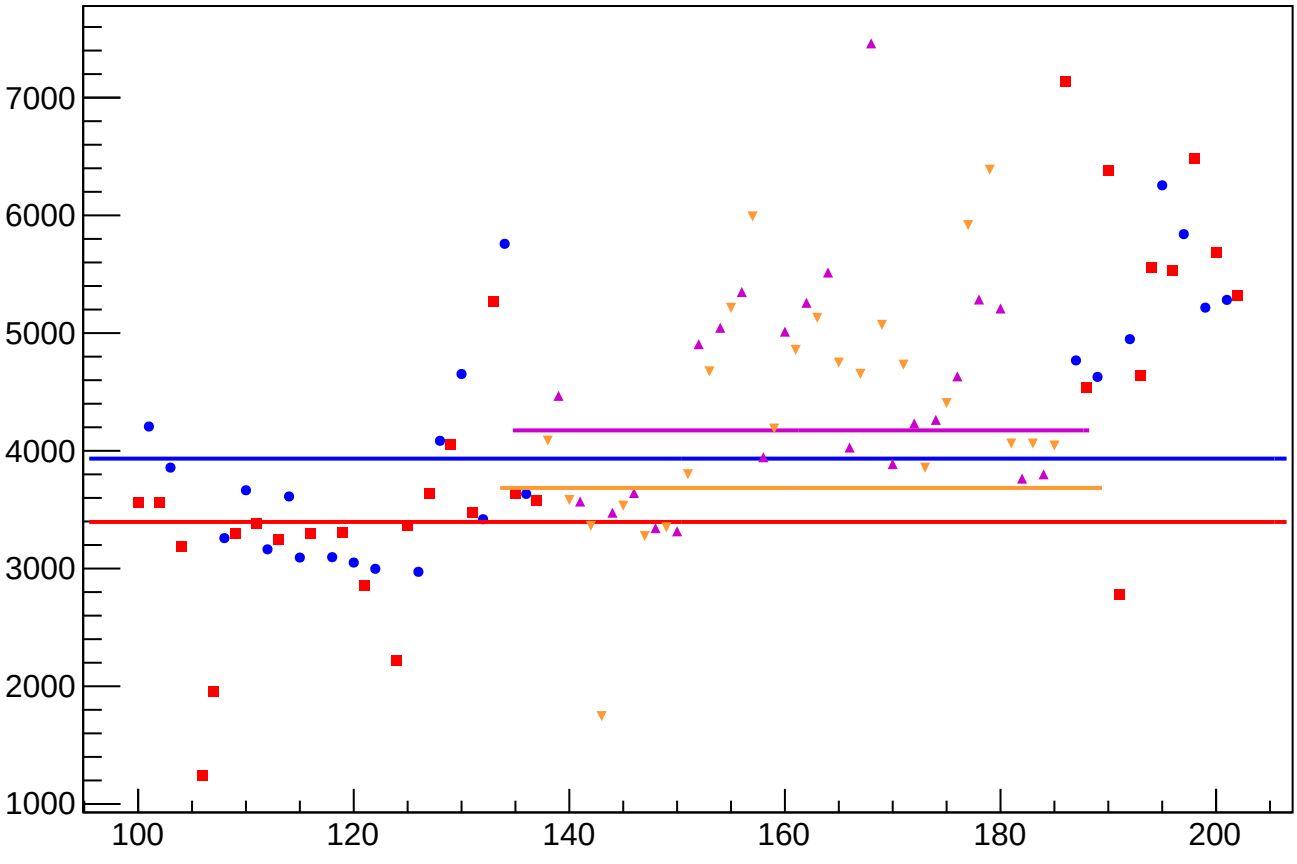
Right Out: -1049.679+/-970.752 χ^2/NDF: 29.9/28

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 32.900+/-703.220 χ^2/NDF: 51.9/47

All: -263.699+/-494.305 χ^2/NDF: 96.8/99

- sign -553.370+/-694.958 χ^2/NDF: 44.5/51



Right In: 3933.796+/-0.817 χ^2/NDF: 1306248.7/22

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3395.819+/-0.686 χ^2/NDF: 4012509.1/28

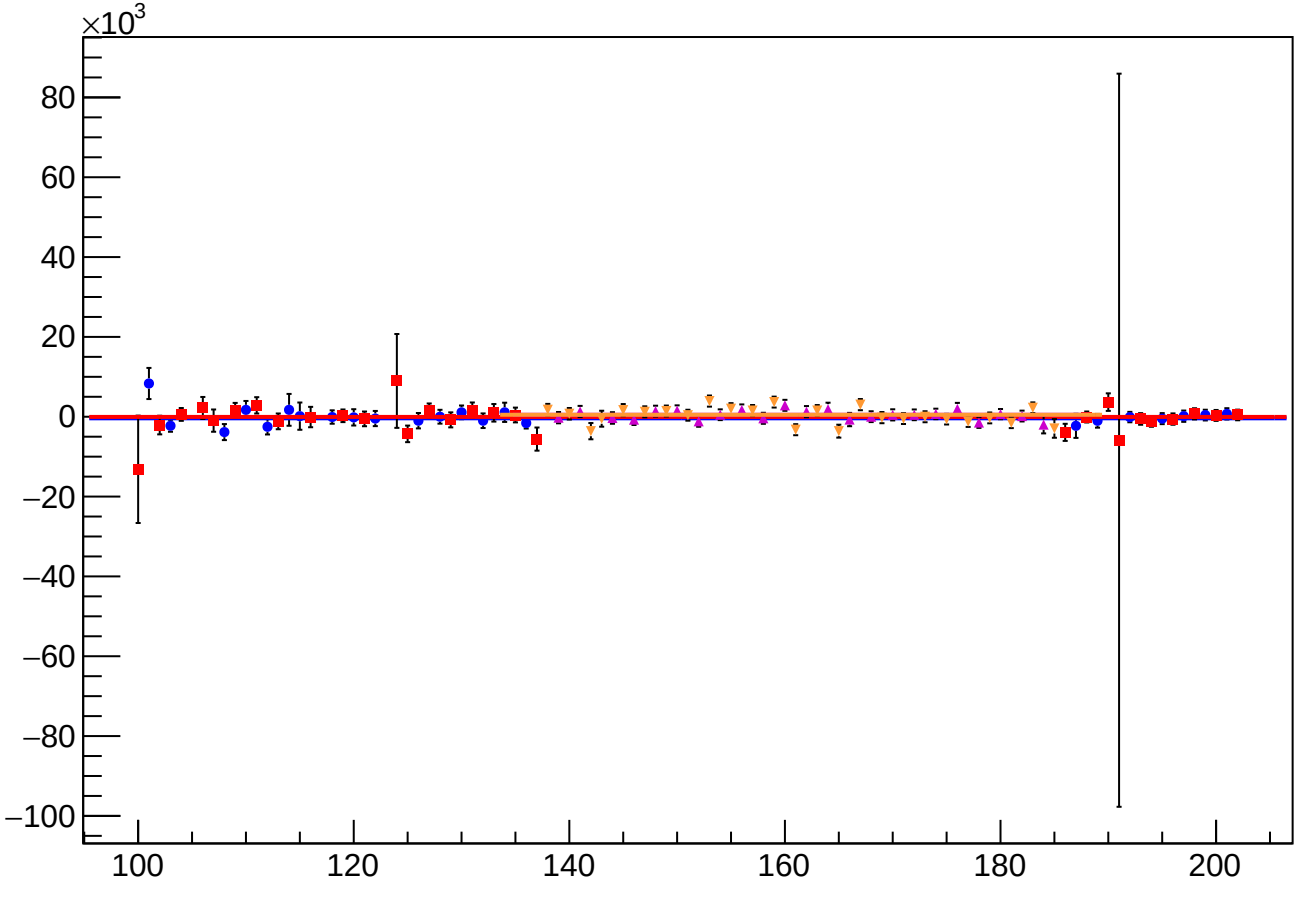
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3777.091+/-0.497 χ^2/NDF: 5058406.3/47

All: 3776.013+/-0.350 χ^2/NDF: 10971708.7/9

\- sign 3774.960+/-0.491 χ^2/NDF: 5913293.1/51

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -45.322+/-347.502 χ^2/NDF: 23.9/28

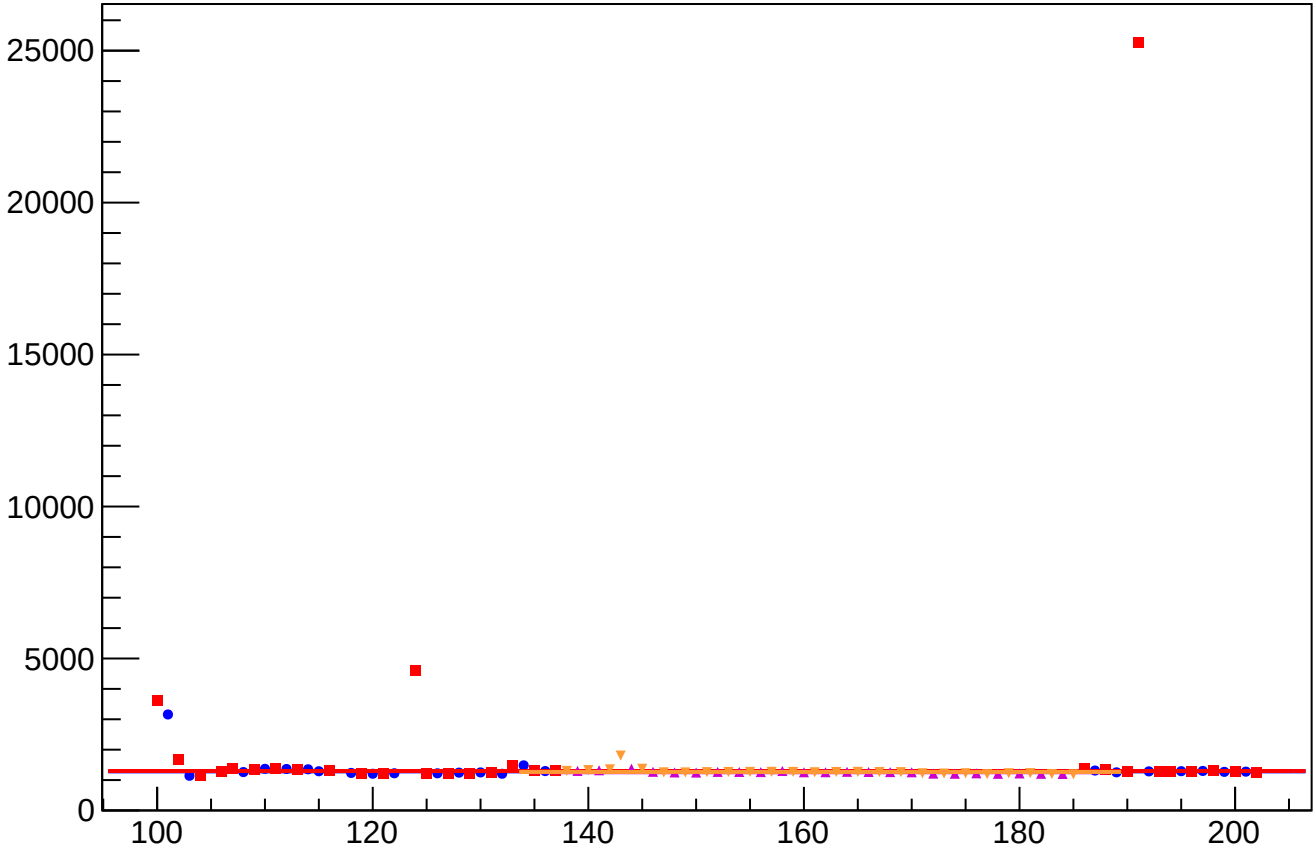
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 211.757+/-159.762 χ^2/NDF: 106.1/99

- sign 264.969+/-224.346 χ^2/NDF: 39.7/51

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

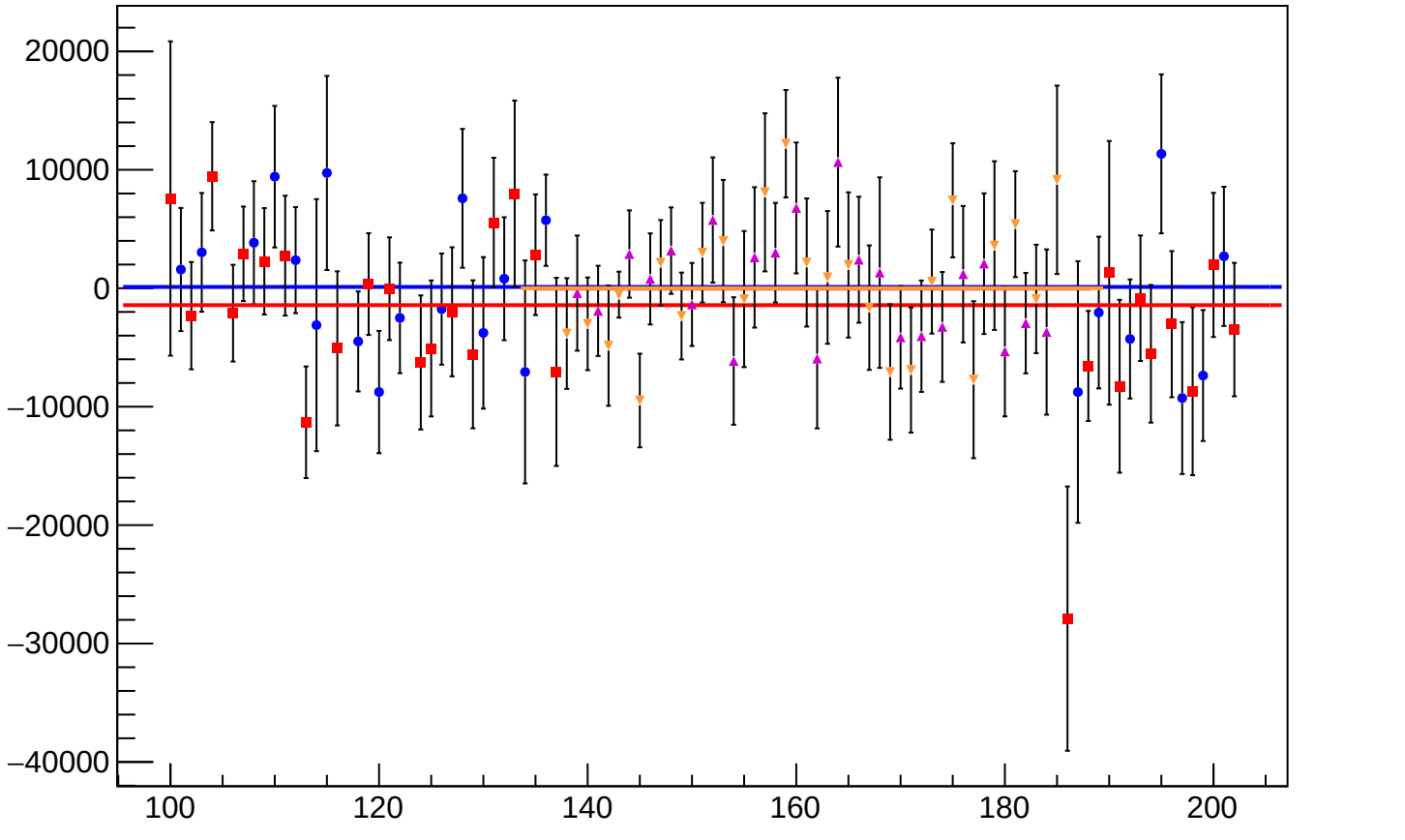
Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99

- sign 1274.253+/-0.159 χ^2/NDF: 526753.2/51



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

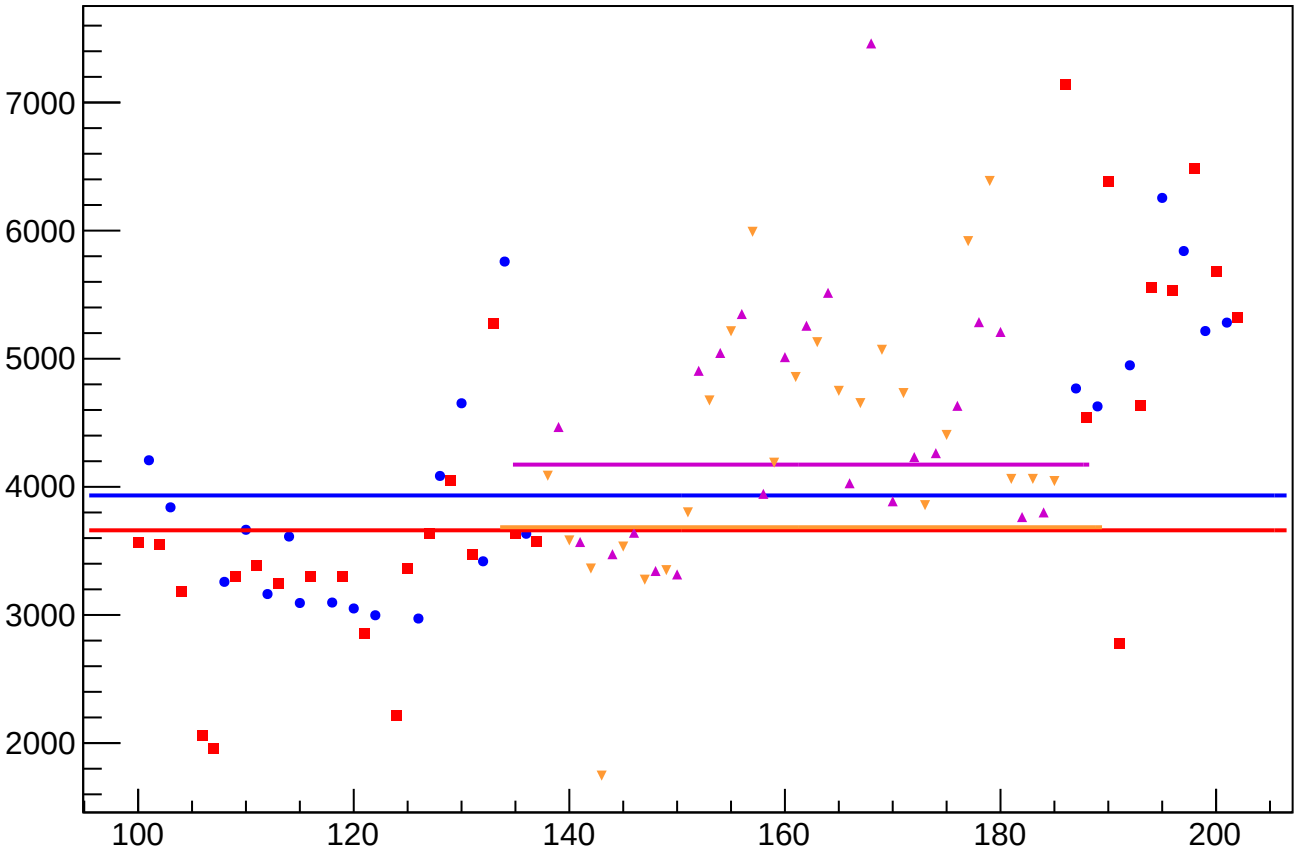
Right Out: -1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 40.353+/-703.152 χ^2/NDF: 52.0/47

All: -332.579+/-500.162 χ^2/NDF: 97.0/99

- sign -714.523+/-711.597 χ^2/NDF: 44.4/51



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

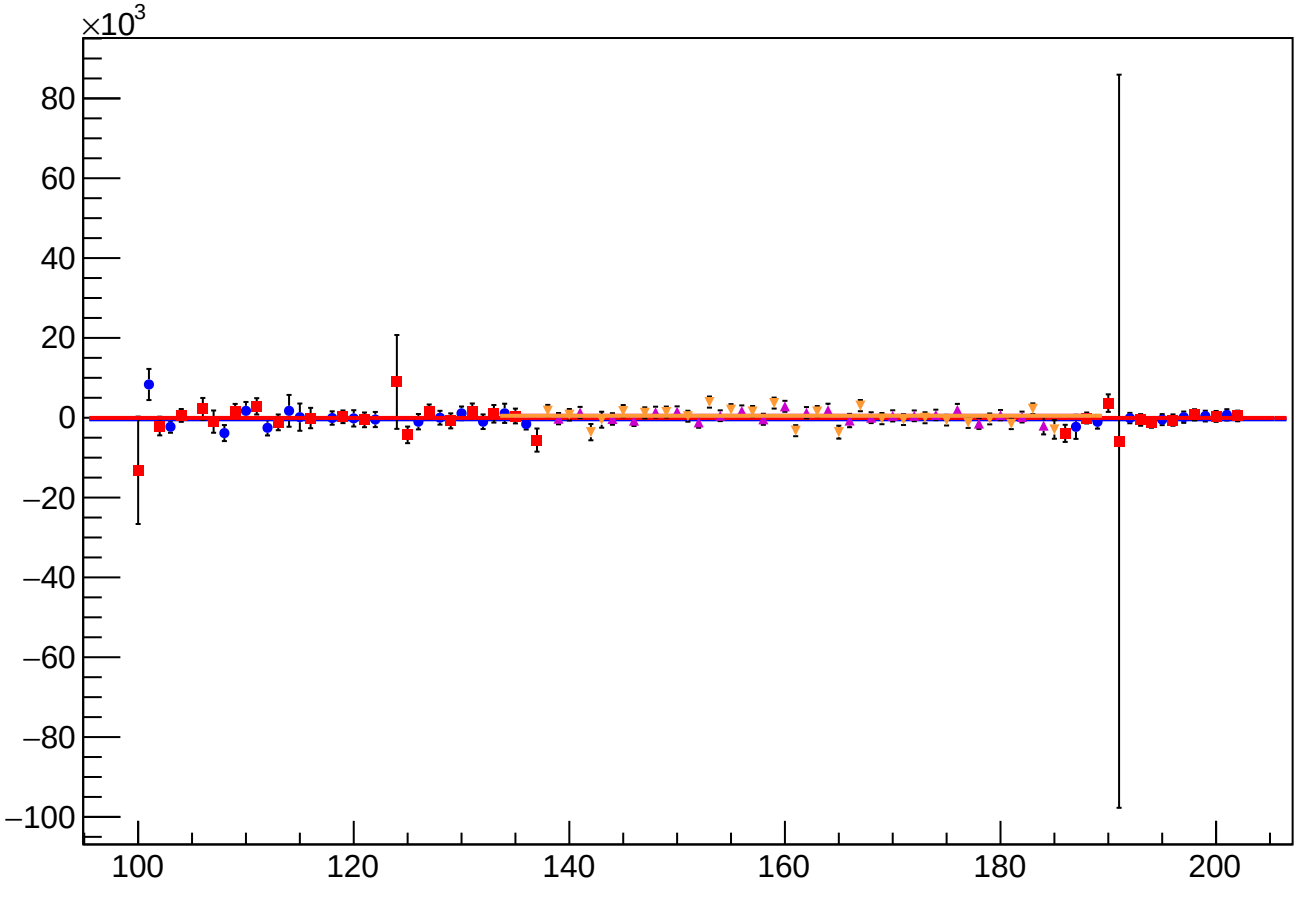
Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3848.949+/-0.354 χ^2/NDF: 9275230.7/99

\- sign 3922.864+/-0.503 χ^2/NDF: 4174256.2/51



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -45.322+/-347.502 χ^2/NDF: 23.9/28

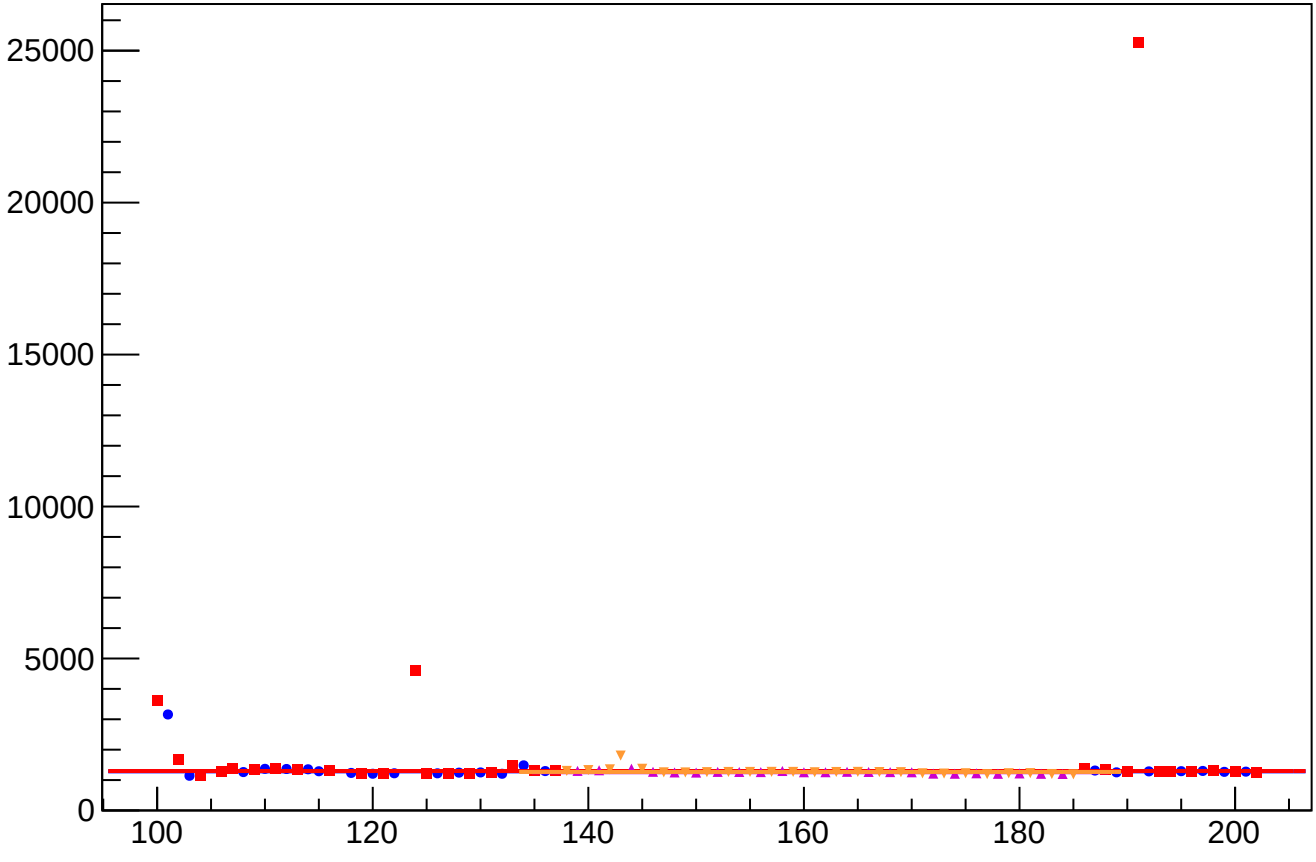
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 211.757+/-159.762 χ^2/NDF: 106.1/99

- sign 264.969+/-224.346 χ^2/NDF: 39.7/51

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

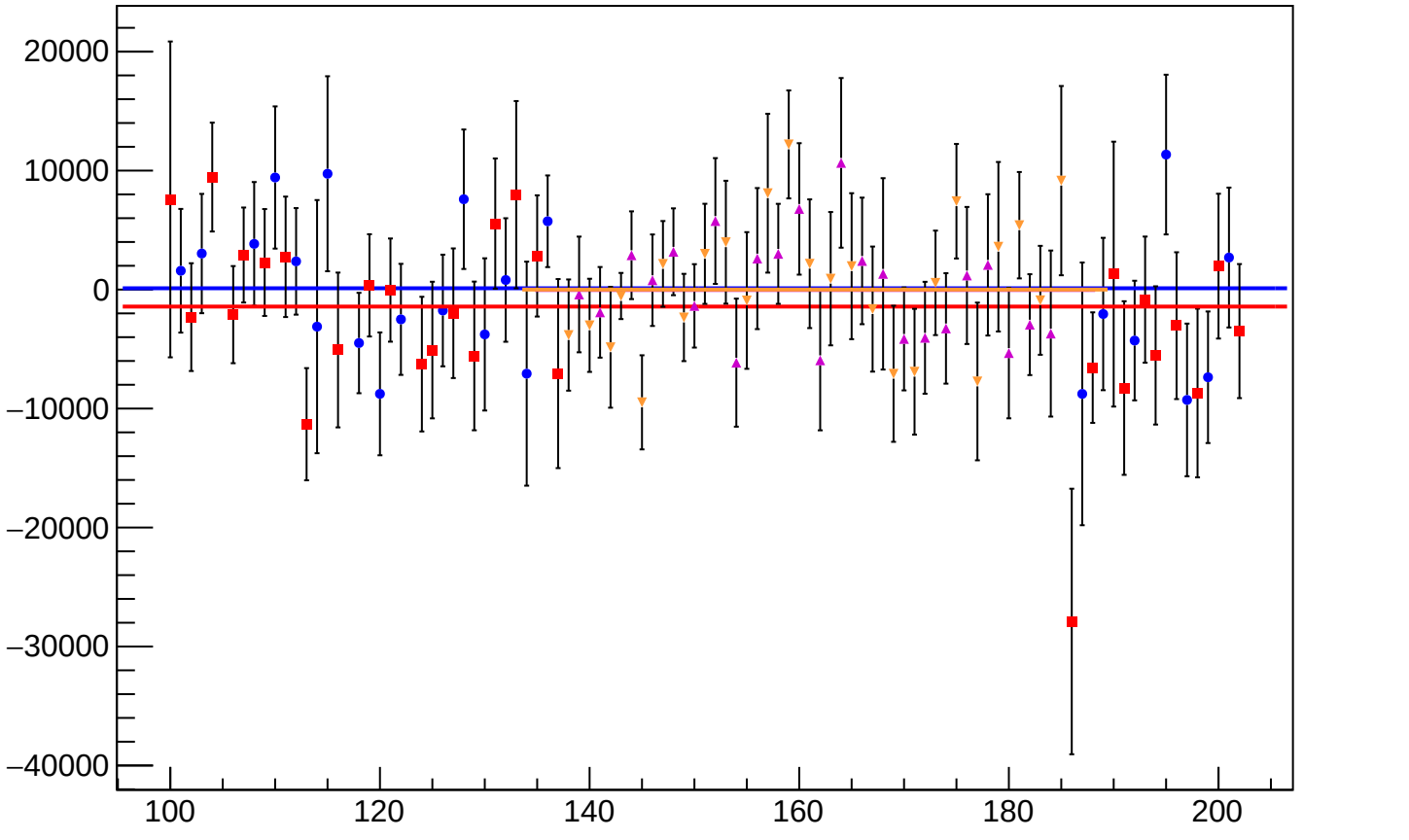
Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99

- sign 1274.253+/-0.159 χ^2/NDF: 526753.2/51



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

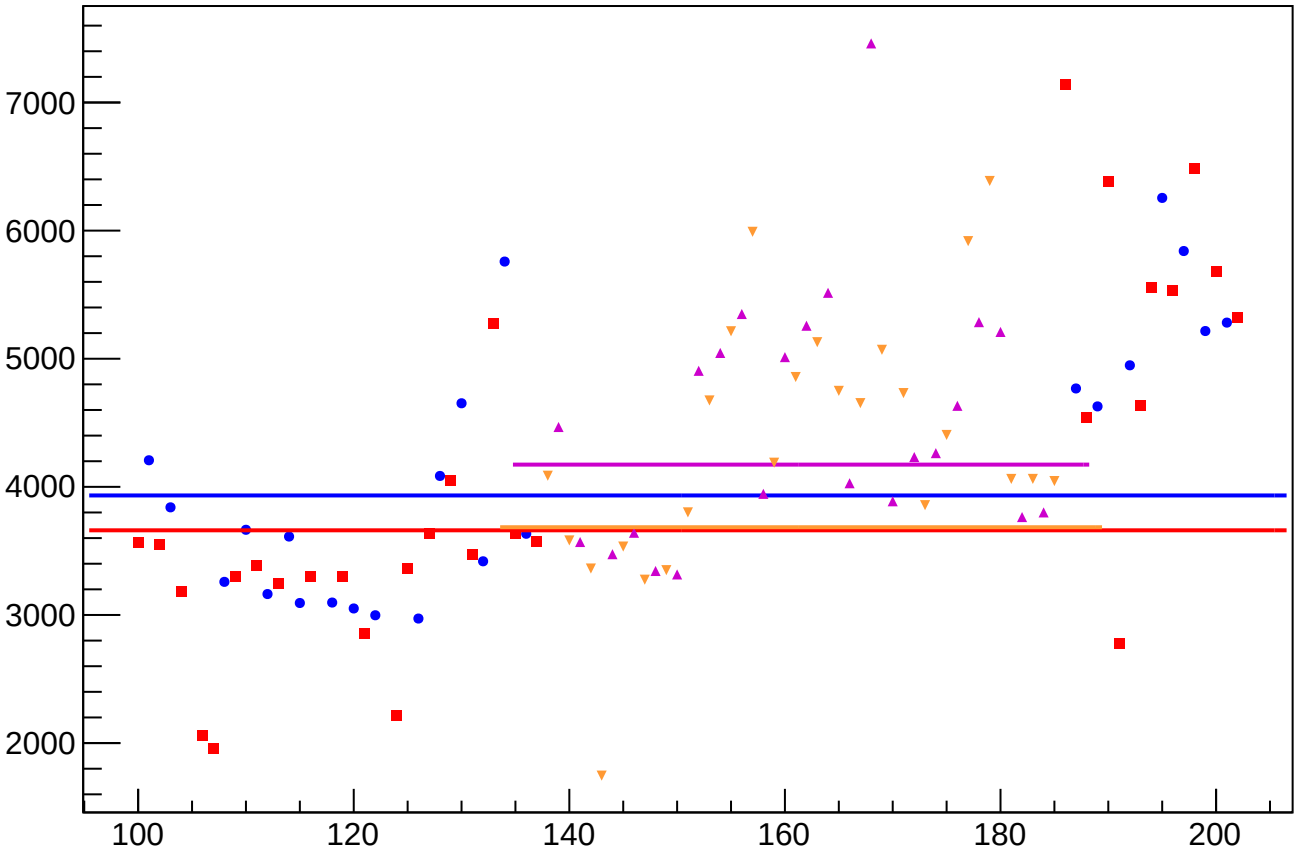
Right Out: -1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 40.353+/-703.152 χ^2/NDF: 52.0/47

All: -332.579+/-500.162 χ^2/NDF: 97.0/99

- sign -714.523+/-711.597 χ^2/NDF: 44.4/51



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

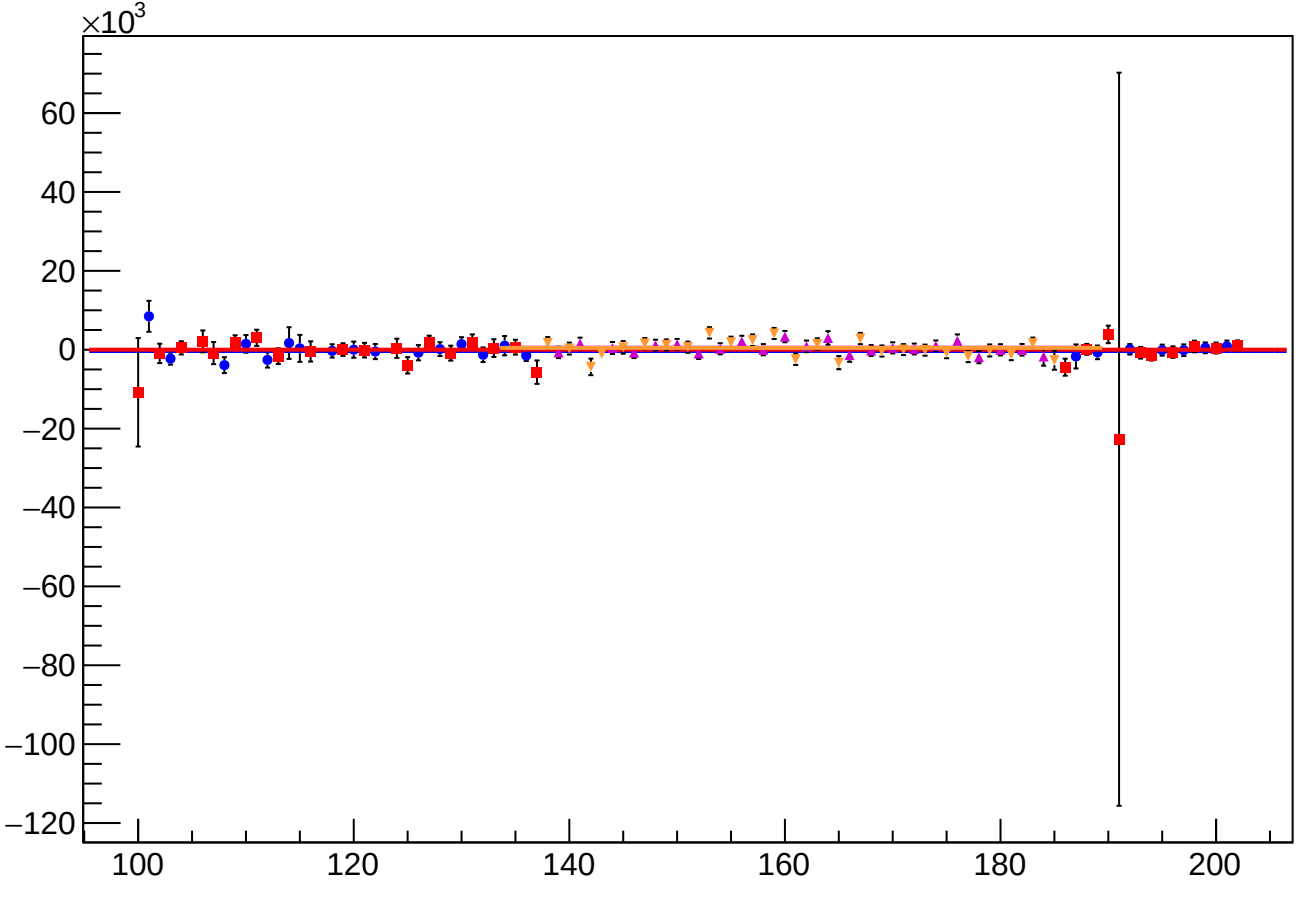
Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3848.949+/-0.354 χ^2/NDF: 9275230.7/99

- sign 3922.864+/-0.503 χ^2/NDF: 4174256.2/51



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 10.934+/-349.986 χ^2/NDF: 24.7/28

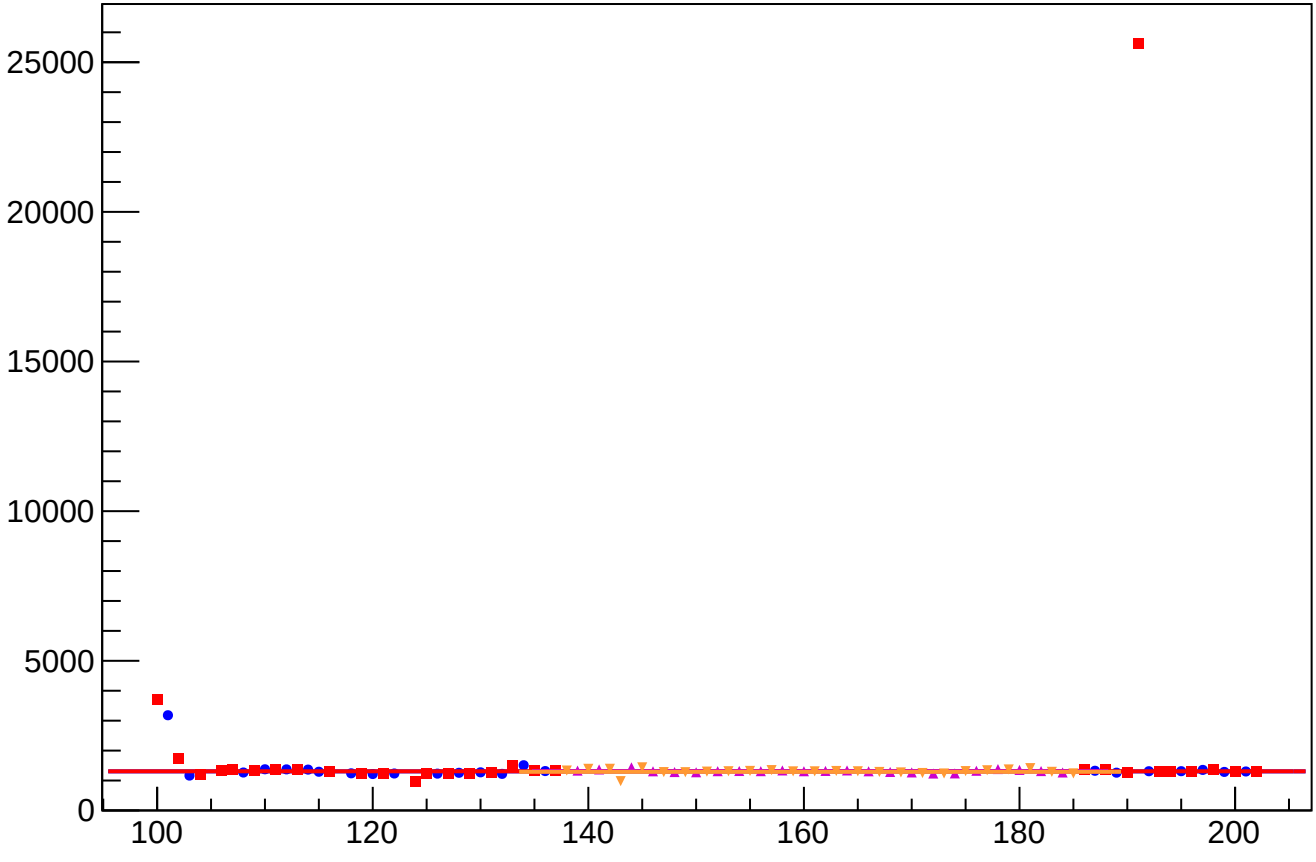
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 168.026+/-231.668 χ^2/NDF: 62.7/47

All: 228.885+/-163.512 χ^2/NDF: 106.0/99

\- sign 289.297+/-230.815 χ^2/NDF: 43.2/51

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.5/22

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

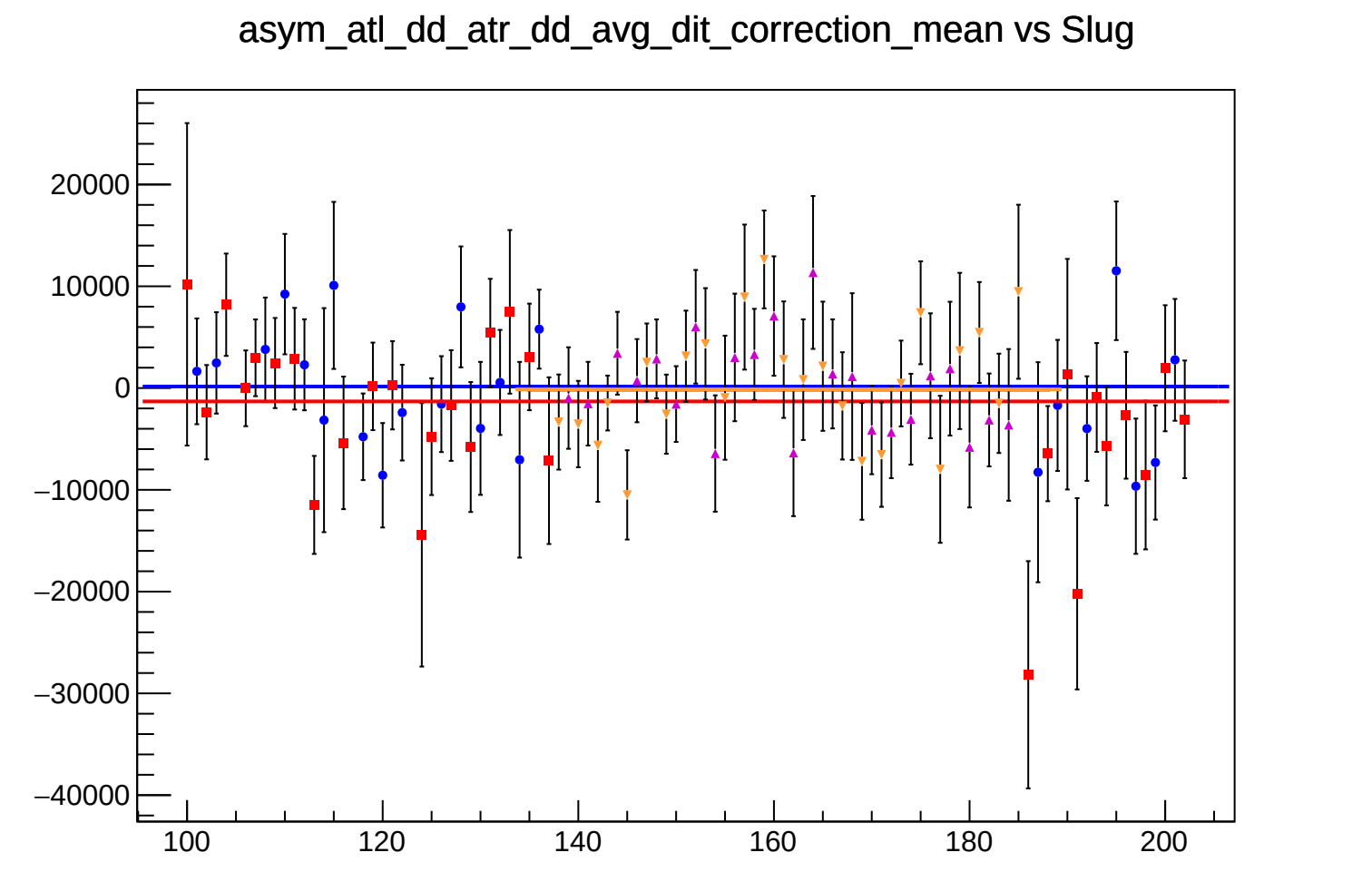
Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.3/28

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.655+/-0.164 χ^2/NDF: 747148.7/47

All: 1304.210+/-0.116 χ^2/NDF: 1158030.9/99

- sign 1311.707+/-0.163 χ^2/NDF: 406644.6/51



Right In: 153.864+/-1160.928 χ^2/NDF: 22.7/22

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: -1312.194+/-1035.746 χ^2/NDF: 31.0/28

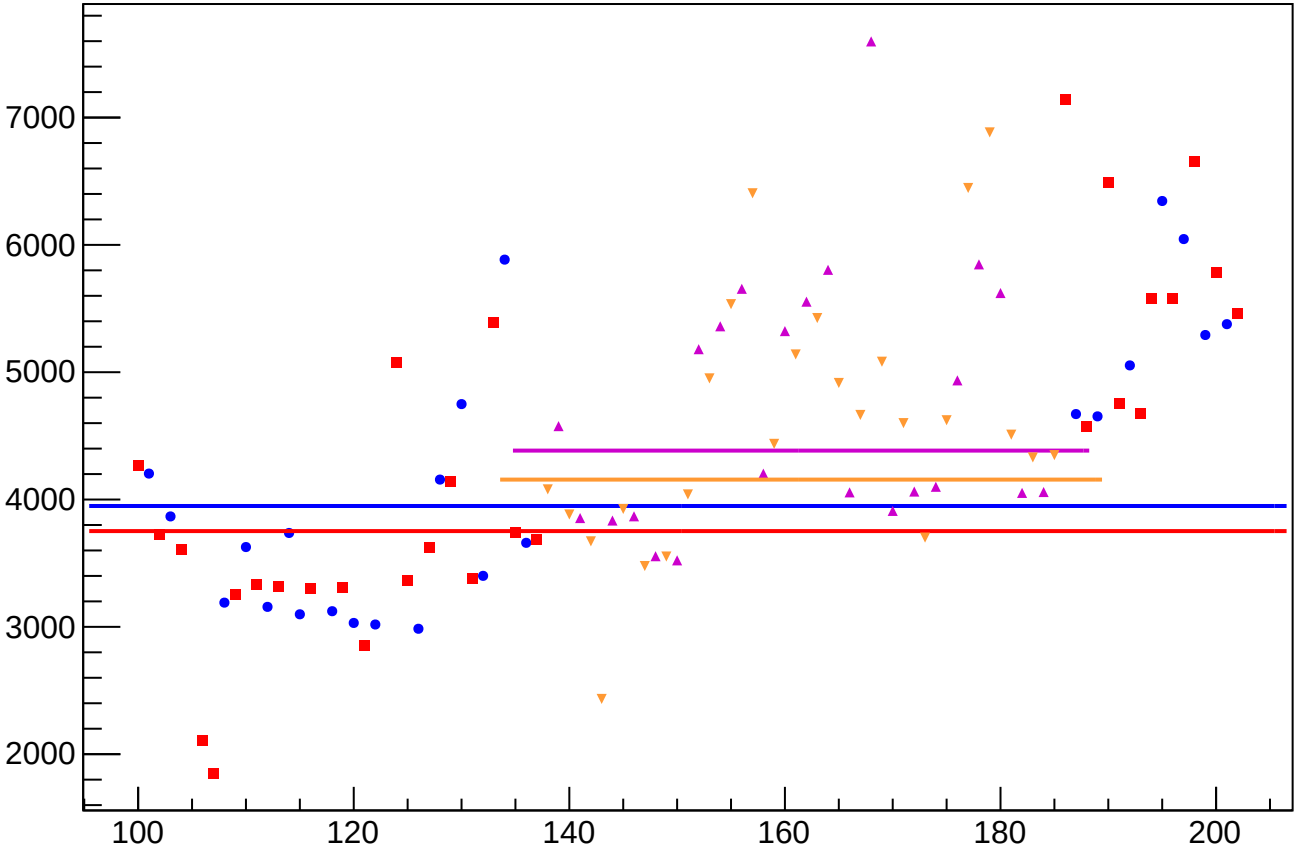
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -10.681+/-747.619 χ^2/NDF: 51.3/47

All: -381.771+/-524.422 χ^2/NDF: 97.2/99

- sign -741.231+/-735.811 χ^2/NDF: 45.4/51

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3949.274+/-0.821 χ^2/NDF: 1389419.1/22

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

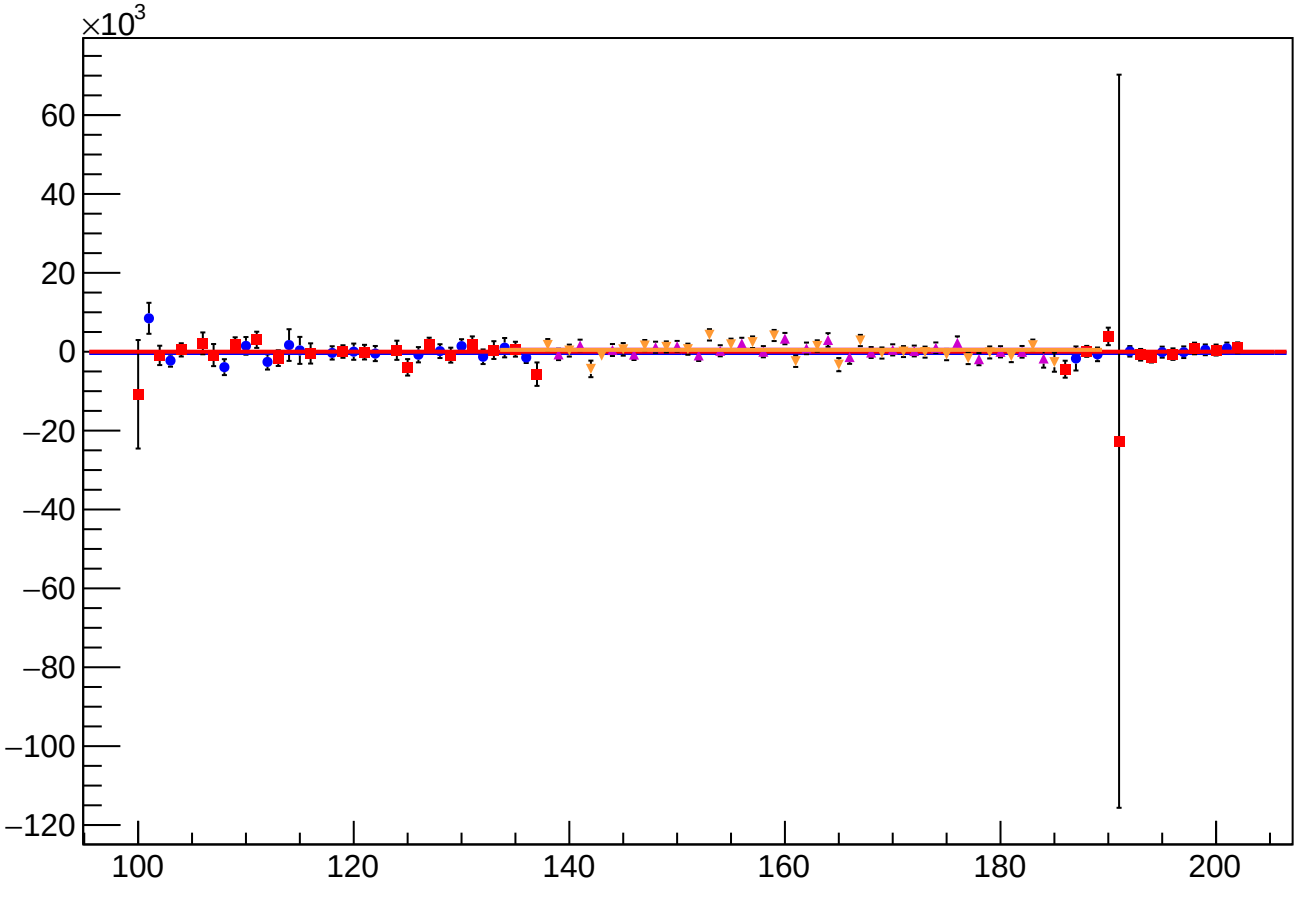
Right Out: 3752.152+/-0.732 χ^2/NDF: 2726333.6/28

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4070.608+/-0.529 χ^2/NDF: 3507511.8/47

All: 4067.897+/-0.371 χ^2/NDF: 7858403.1/99

- sign 4065.272+/-0.520 χ^2/NDF: 4350839.6/51



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 10.937+/-349.986 χ^2/NDF: 24.7/28

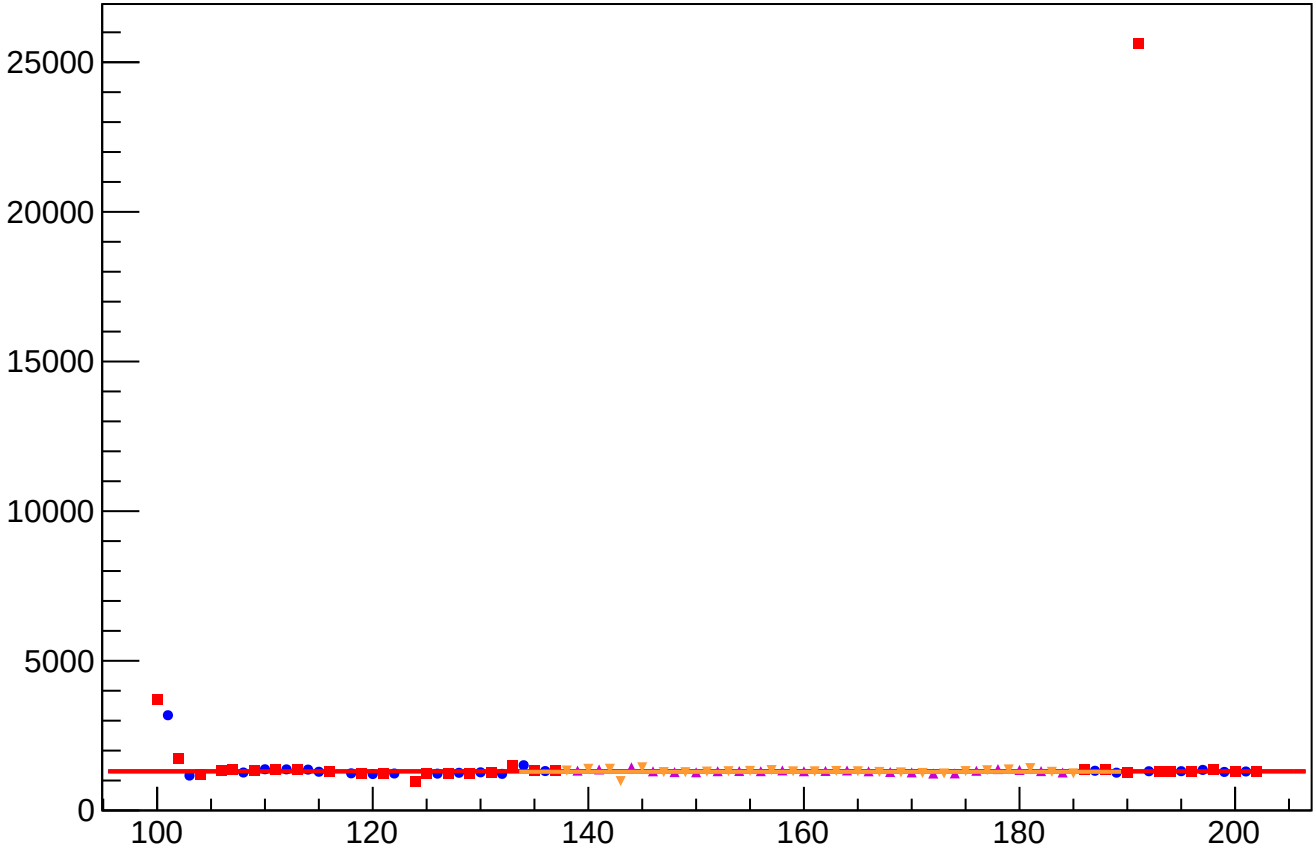
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign 168.027+/-231.668 χ^2/NDF: 62.7/47

All: 228.886+/-163.512 χ^2/NDF: 106.0/99

\- sign 289.298+/-230.816 χ^2/NDF: 43.2/51

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.7/22

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

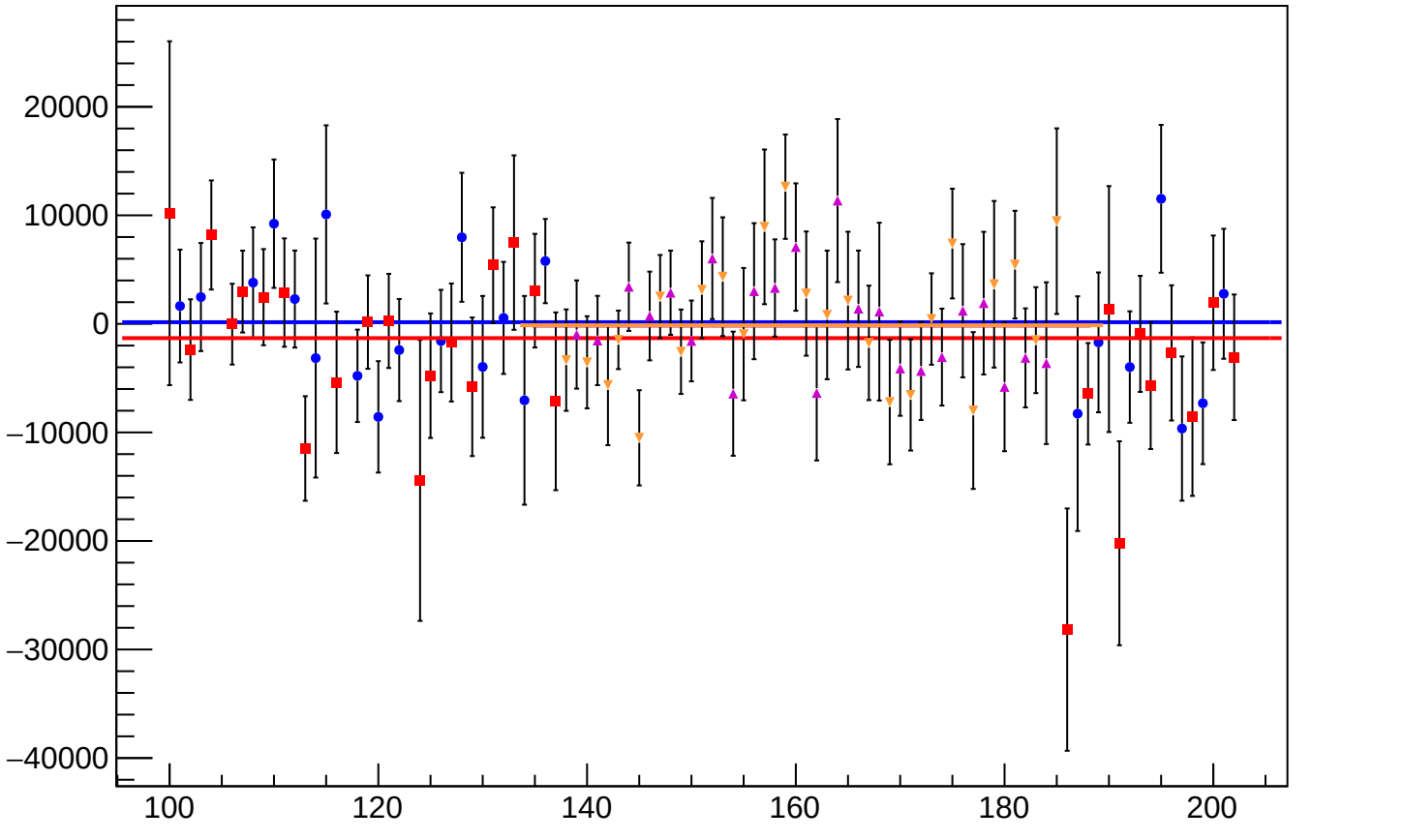
Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.6/28

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.656+/-0.164 χ^2/NDF: 747151.1/47

All: 1304.211+/-0.116 χ^2/NDF: 1158035.9/99

- sign 1311.708+/-0.163 χ^2/NDF: 406647.2/51



Right In: 153.858+/-1160.926 χ^2/NDF: 22.7/22

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

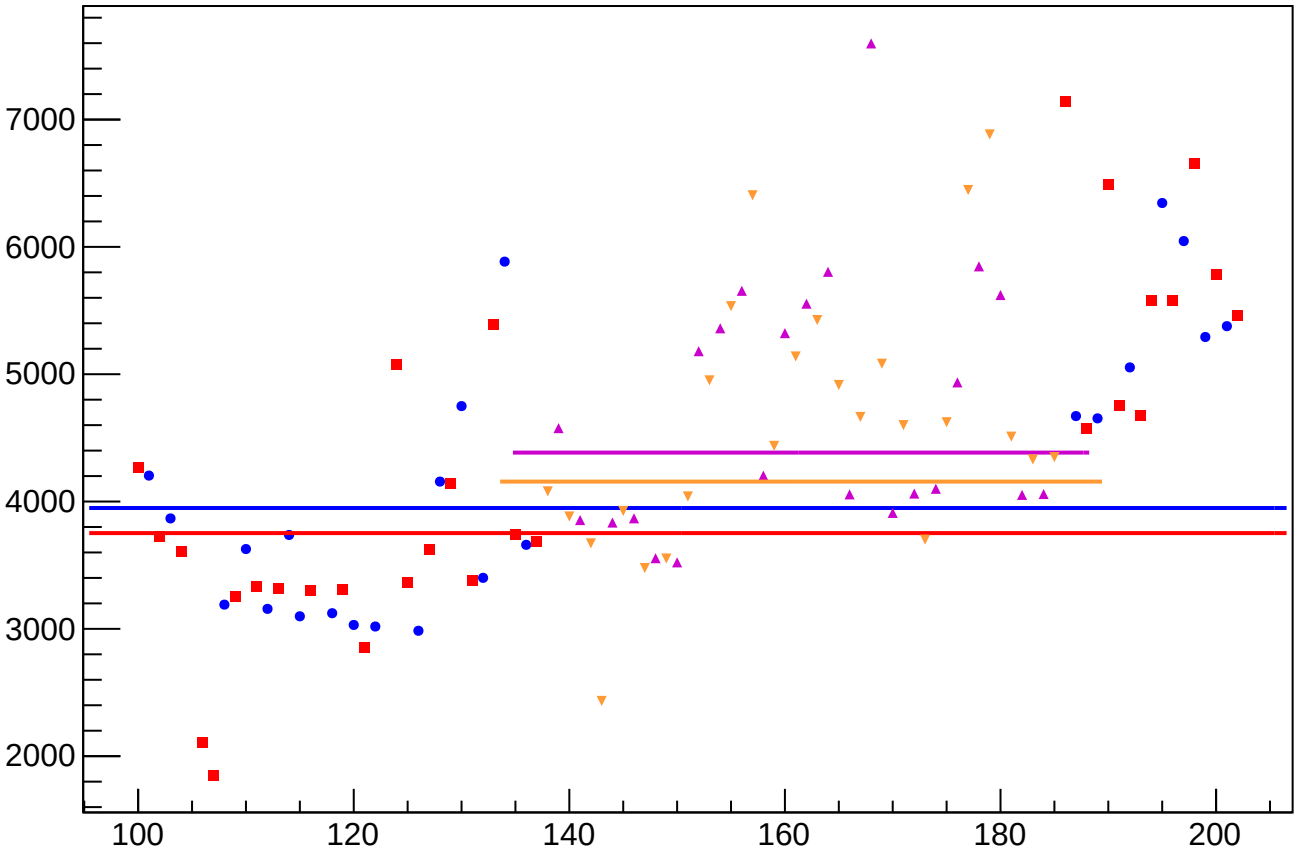
Right Out: -1312.187+/-1035.745 χ^2/NDF: 31.0/28

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -10.682+/-747.619 χ^2/NDF: 51.3/47

All: -381.771+/-524.422 χ^2/NDF: 97.2/99

- sign -741.229+/-735.811 χ^2/NDF: 45.4/51



Right In: 3949.266+/-0.821 χ^2/NDF: 1389439.6/22

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

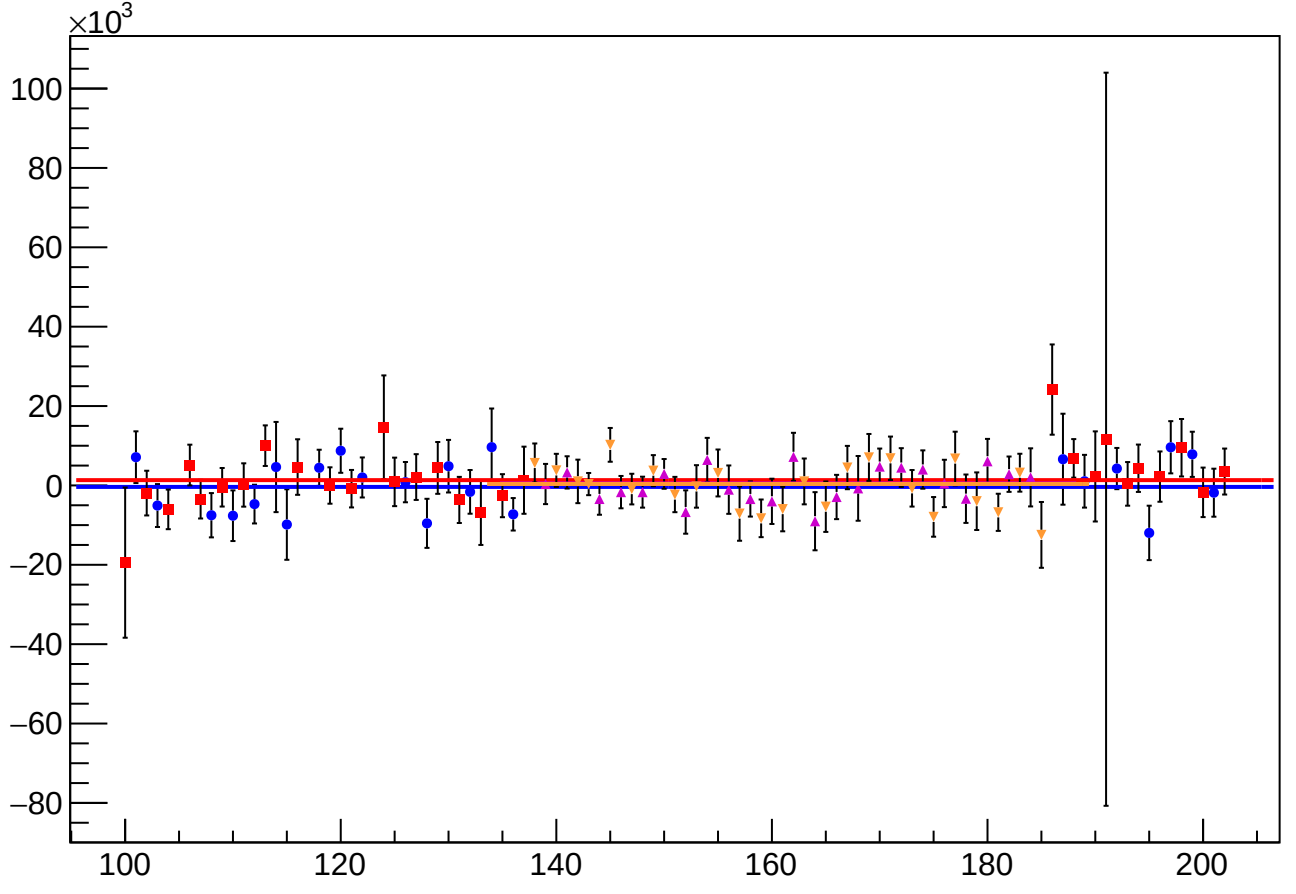
Right Out: 3752.145+/-0.732 χ^2/NDF: 2726354.9/28

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4070.608+/-0.529 χ^2/NDF: 3507540.2/47

All: 4067.897+/-0.371 χ^2/NDF: 7858473.2/99

- sign 4065.271+/-0.520 χ^2/NDF: 4350881.2/51



Right In: -376.540+/-1232.959 χ^2/NDF: 26.5/22

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1332.758+/-1133.113 χ^2/NDF: 19.6/28

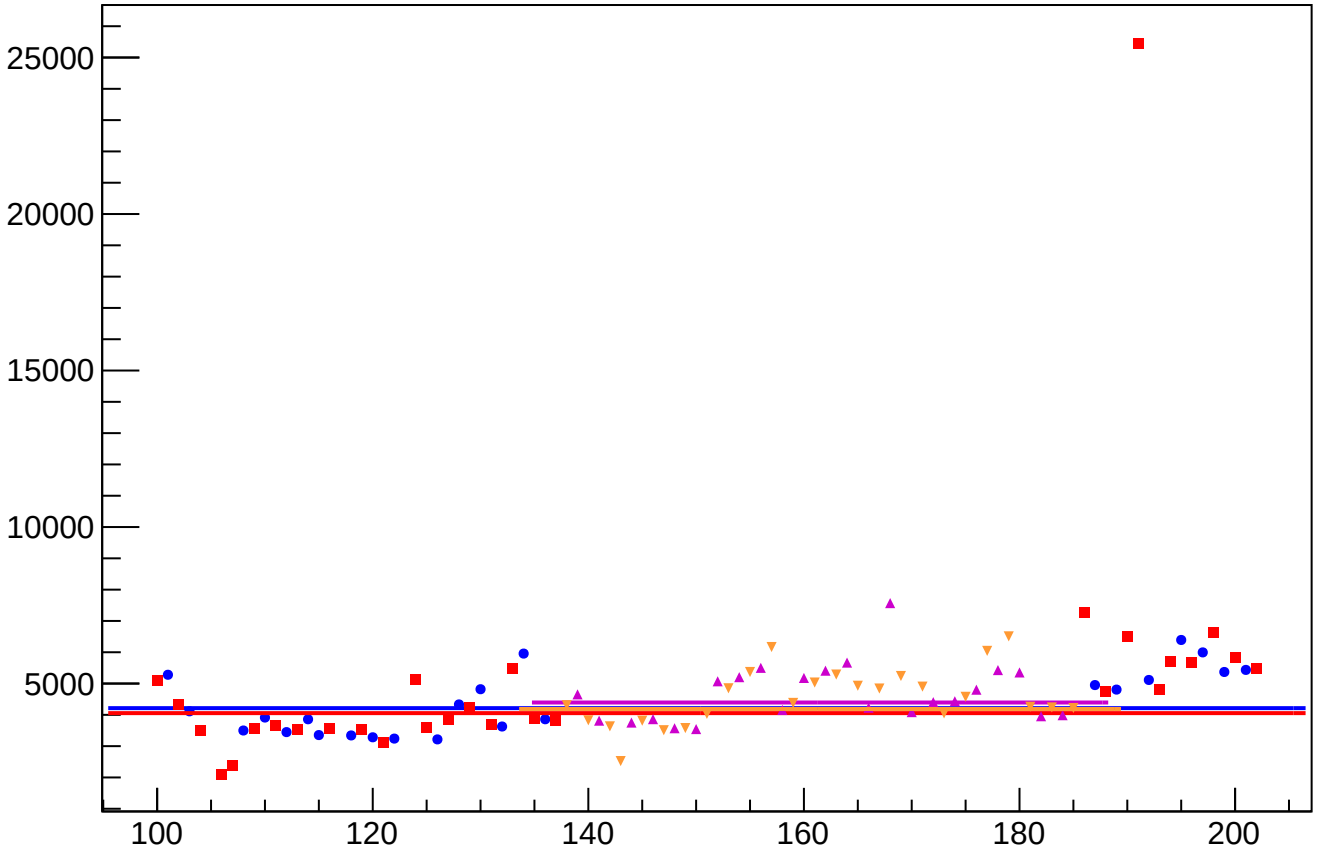
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign 76.436+/-767.113 χ^2/NDF: 54.4/47

All: 478.360+/-542.770 χ^2/NDF: 88.8/99

\- sign 881.291+/-768.074 χ^2/NDF: 33.8/51

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4214.051+/-0.872 χ^2/NDF: 1158776.2/22

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

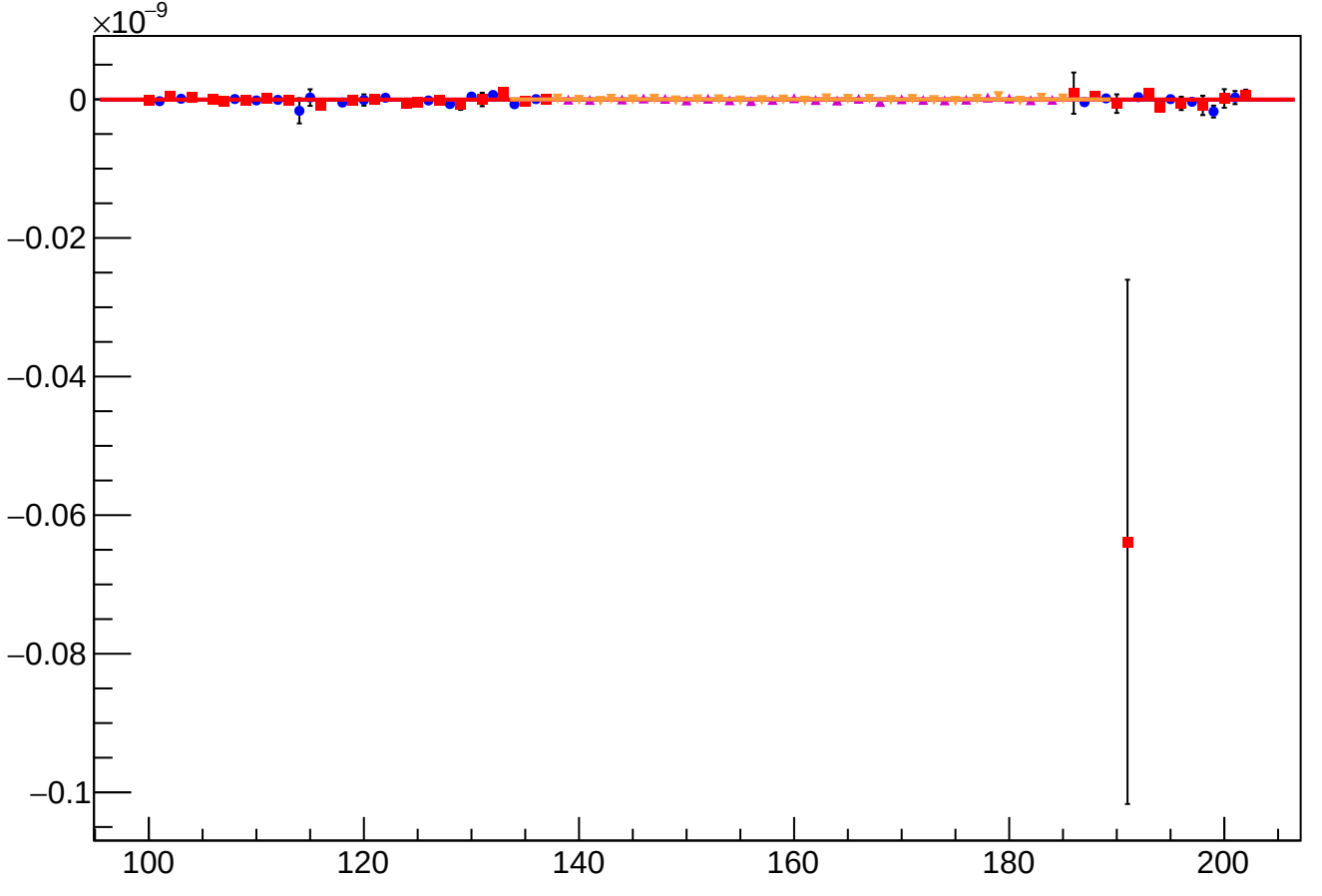
Right Out: 4054.998+/-0.793 χ^2/NDF: 2216998.1/28

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4197.991+/-0.542 χ^2/NDF: 2955675.7/47

All: 4217.430+/-0.383 χ^2/NDF: 6361615.7/99

- sign 4236.741+/-0.541 χ^2/NDF: 3403379.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

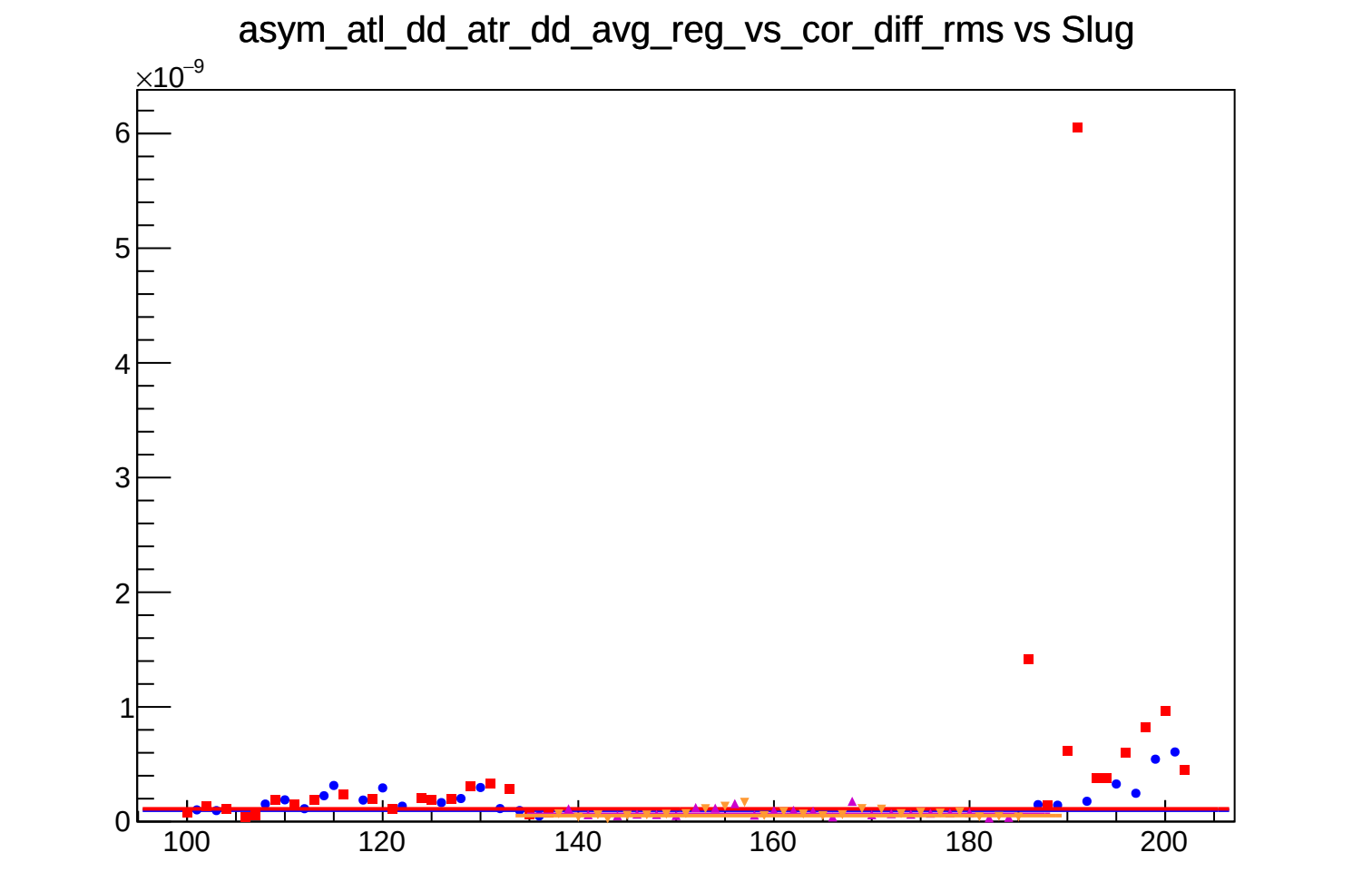
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/28

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/47

All: -0.000+/-0.000 χ^2/NDF: 97.9/99

- sign -0.000+/-0.000 χ^2/NDF: 44.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 3093650.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5500273.4/28

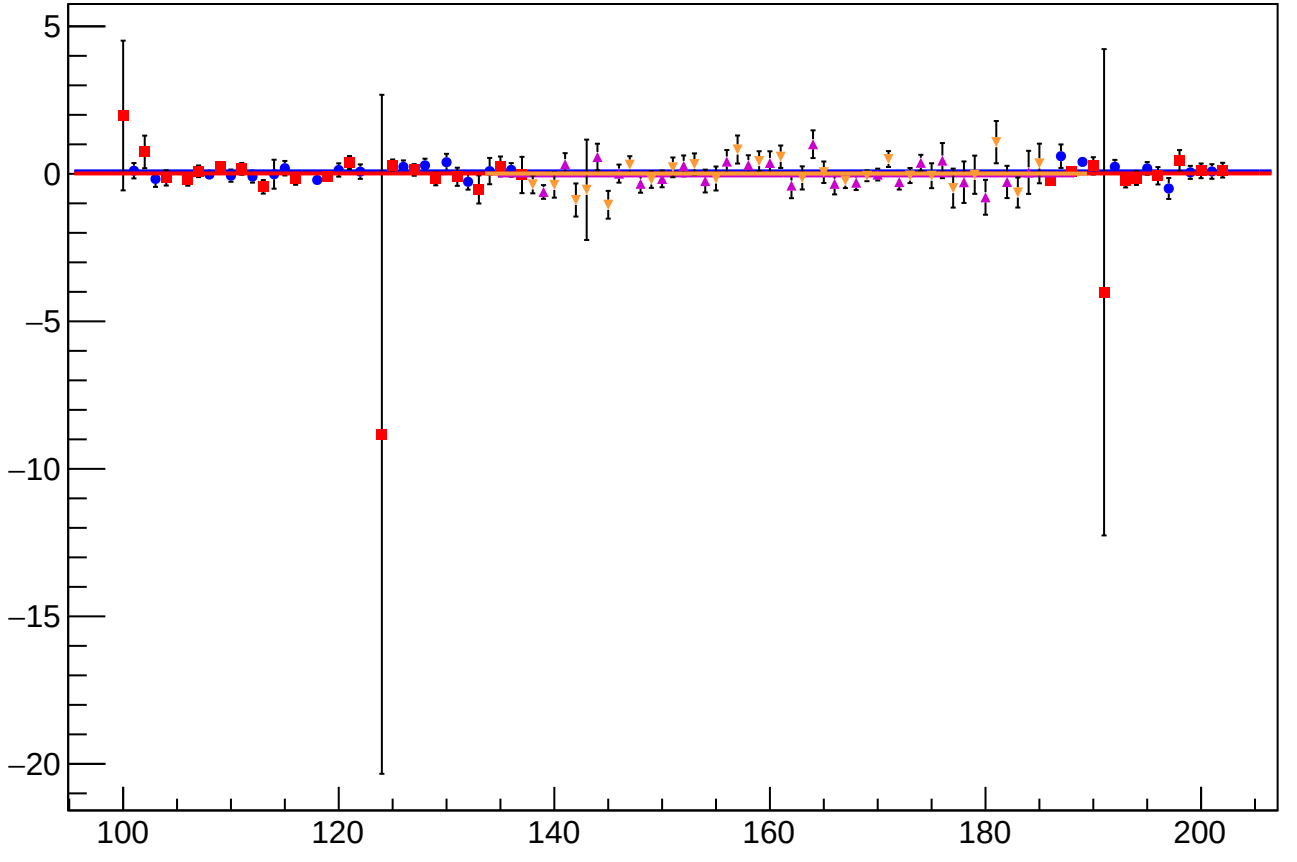
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6907725.5/47

All: 0.000+/-0.000 χ^2/NDF: 15508122.6/99

- sign 0.000+/-0.000 χ^2/NDF: 8314583.5/51

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

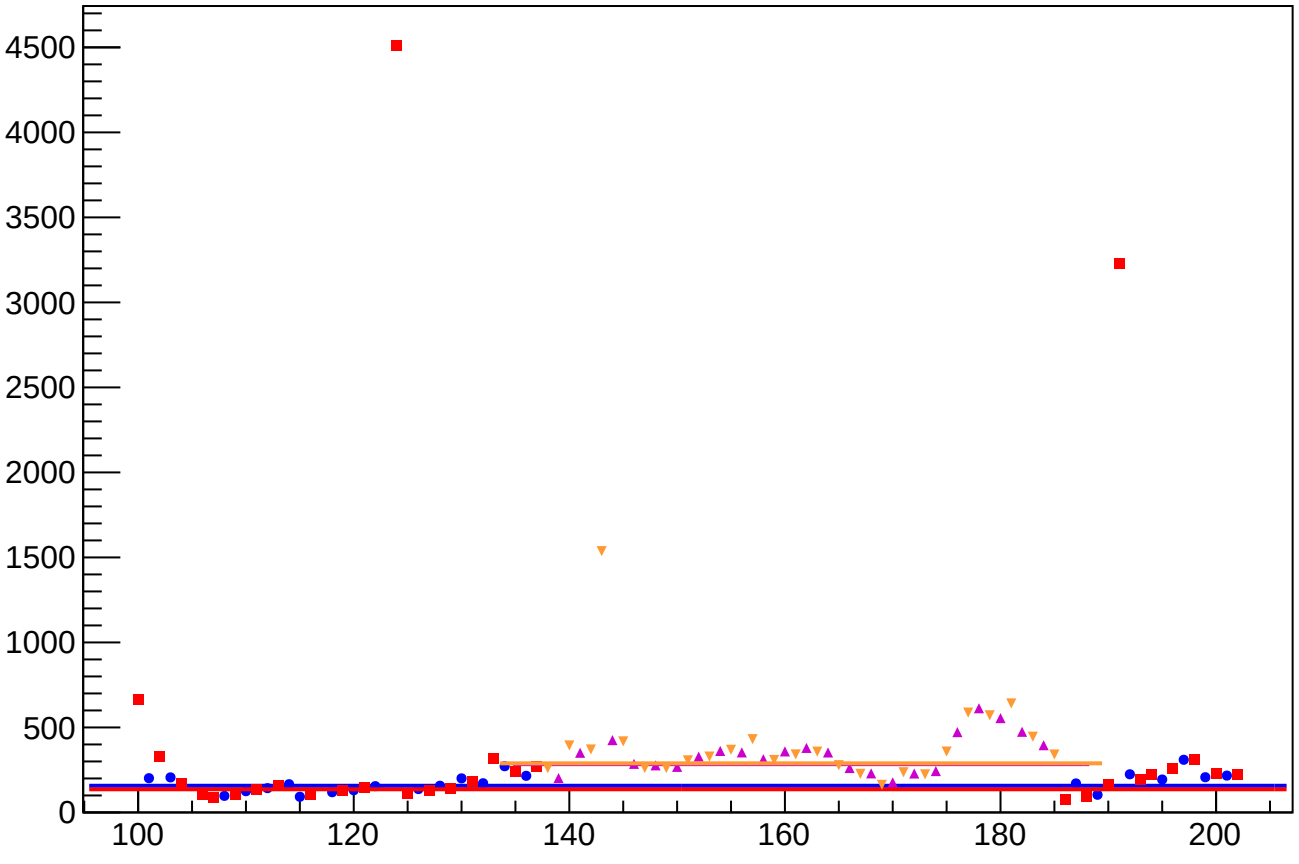
Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

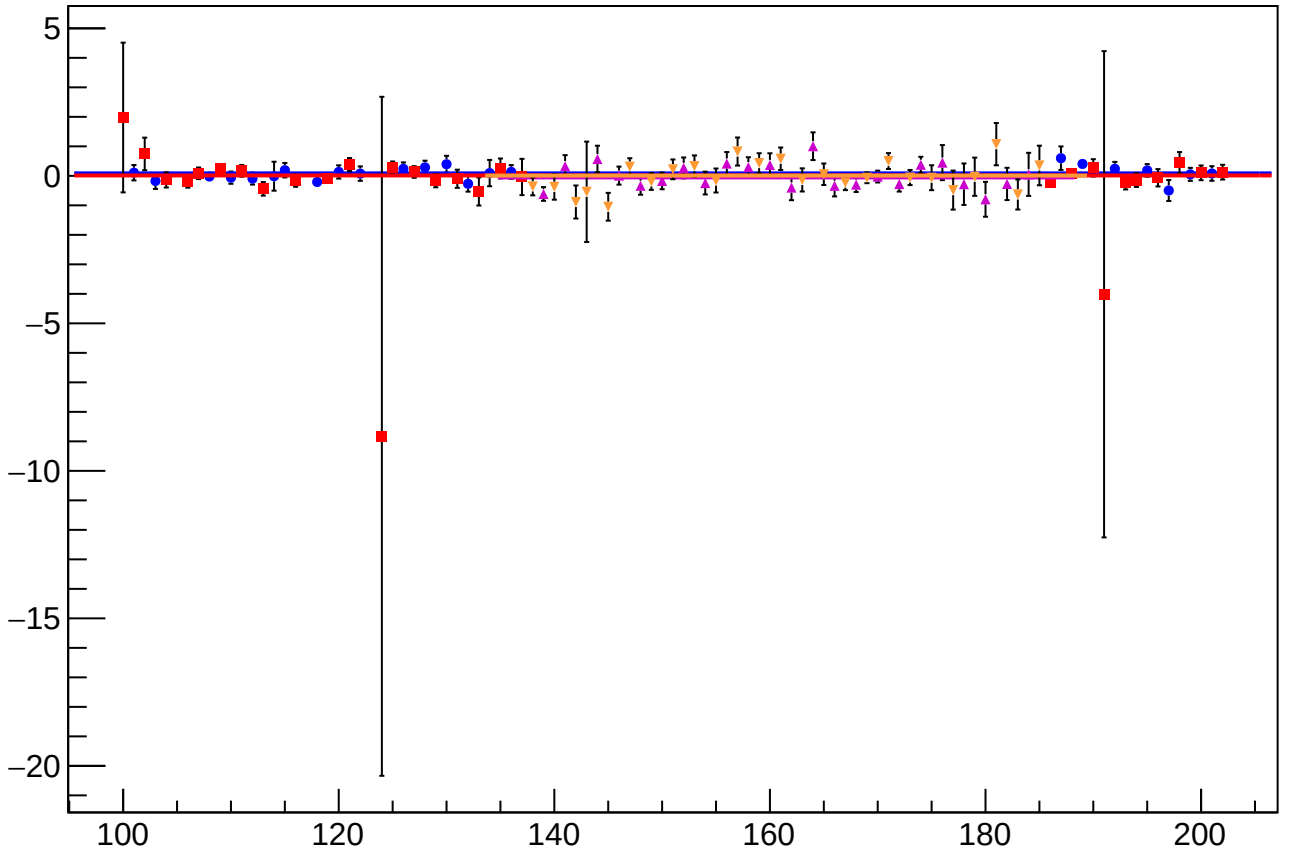
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

- sign -0.003+/-0.035 χ^2/NDF: 57.8/51


asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 156.943+/-0.034 χ²/NDF: 2124556.3/22
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 136.314+/-0.029 χ²/NDF: 4527611.9/28
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 198.268+/-0.028 χ²/NDF: 11517156.9/47
All: 184.470+/-0.019 χ²/NDF: 26152581.6/99
- sign 173.560+/-0.025 χ²/NDF: 14203678.8/51



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

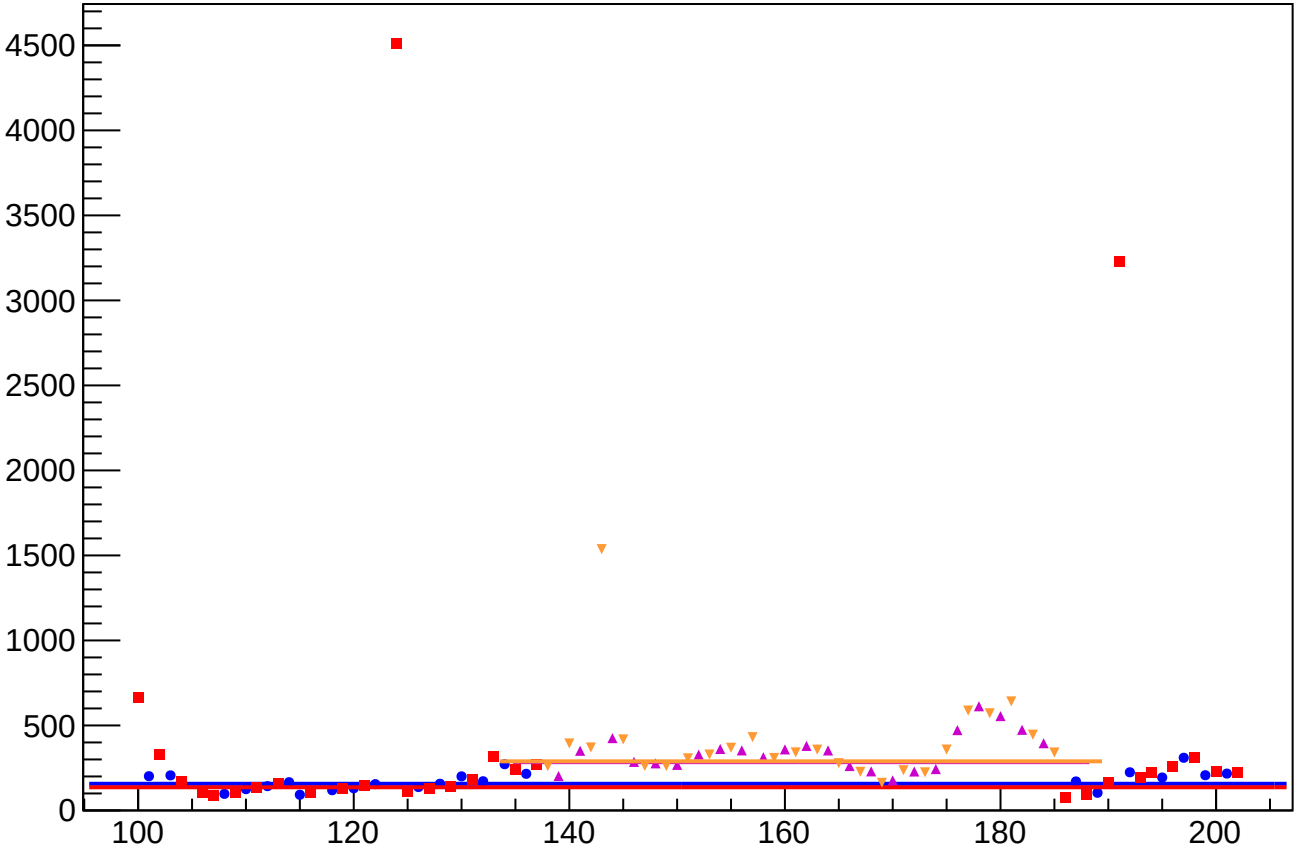
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

- sign -0.003+/-0.035 χ^2/NDF: 57.8/51

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

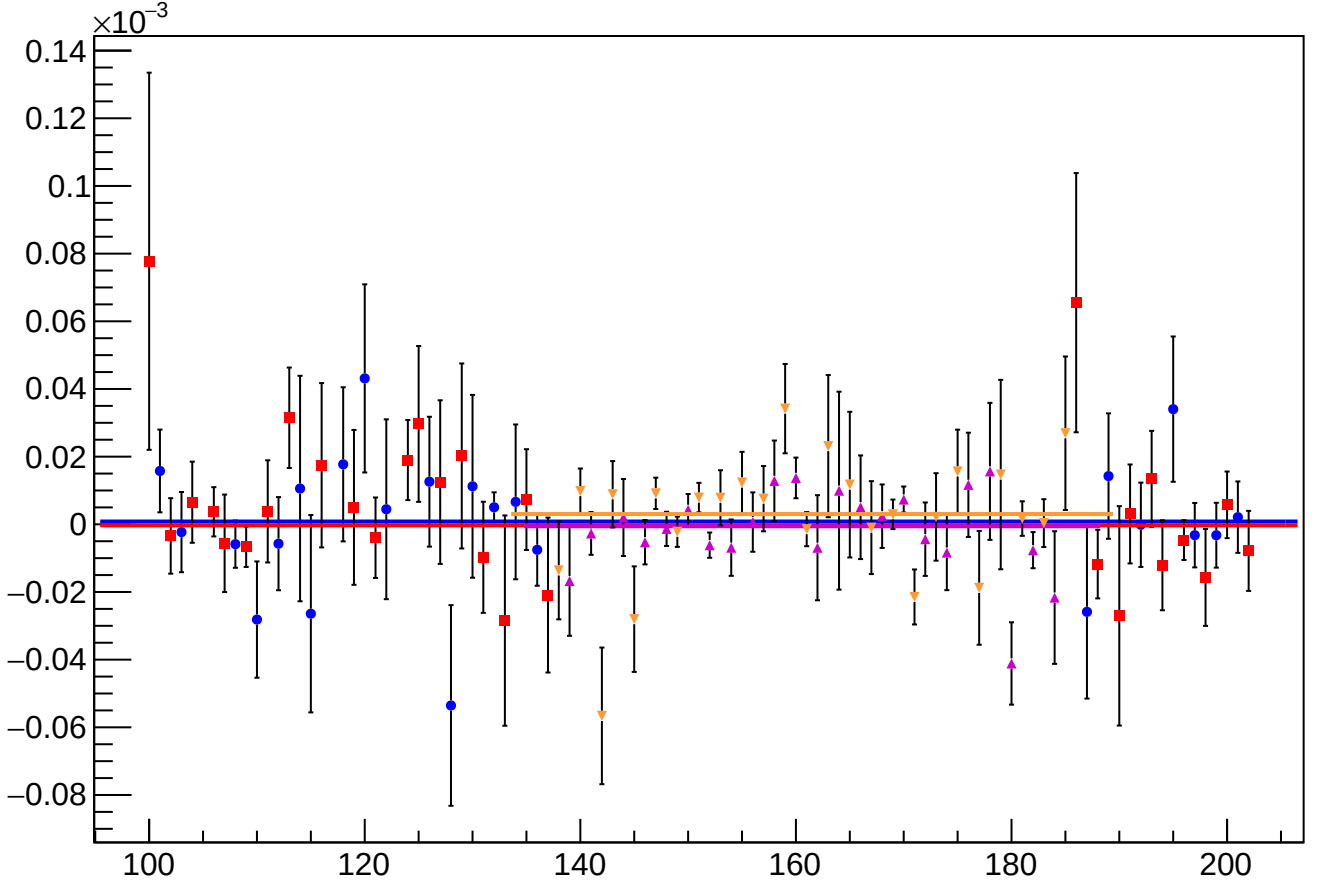
Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.268+/-0.028 χ^2/NDF: 11517156.9/47

All: 184.470+/-0.019 χ^2/NDF: 26152581.6/99

- sign 173.560+/-0.025 χ^2/NDF: 14203678.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

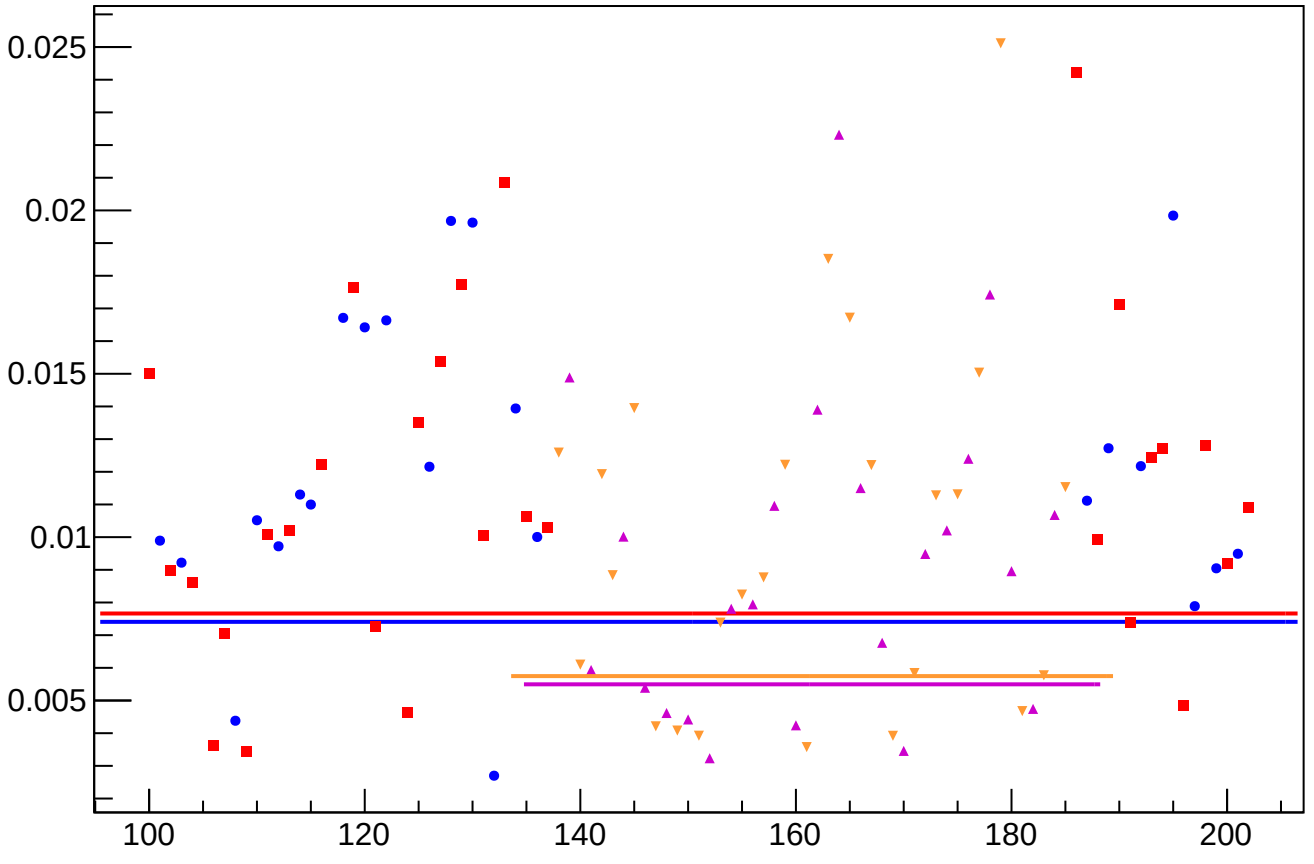
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/47

All: 0.000+/-0.000 χ^2/NDF: 123.7/99

- sign -0.000+/-0.000 χ^2/NDF: 59.1/51



Right In: 0.007+/-0.000 χ^2/NDF: 6200078.3/22

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

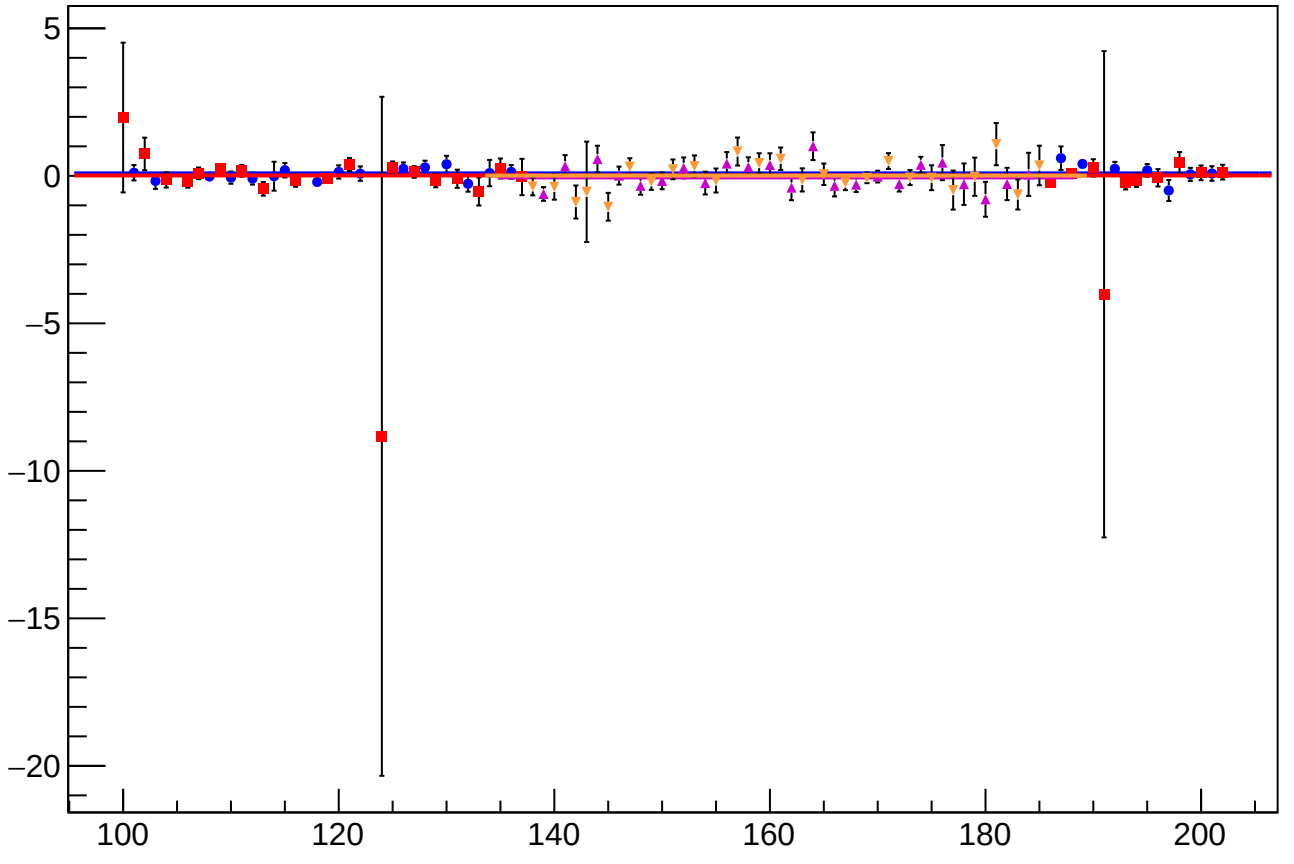
Right Out: 0.008+/-0.000 χ^2/NDF: 5592055.6/28

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14974230.6/47

All: 0.006+/-0.000 χ^2/NDF: 28738747.4/99

\- sign 0.006+/-0.000 χ^2/NDF: 13763127.8/51



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

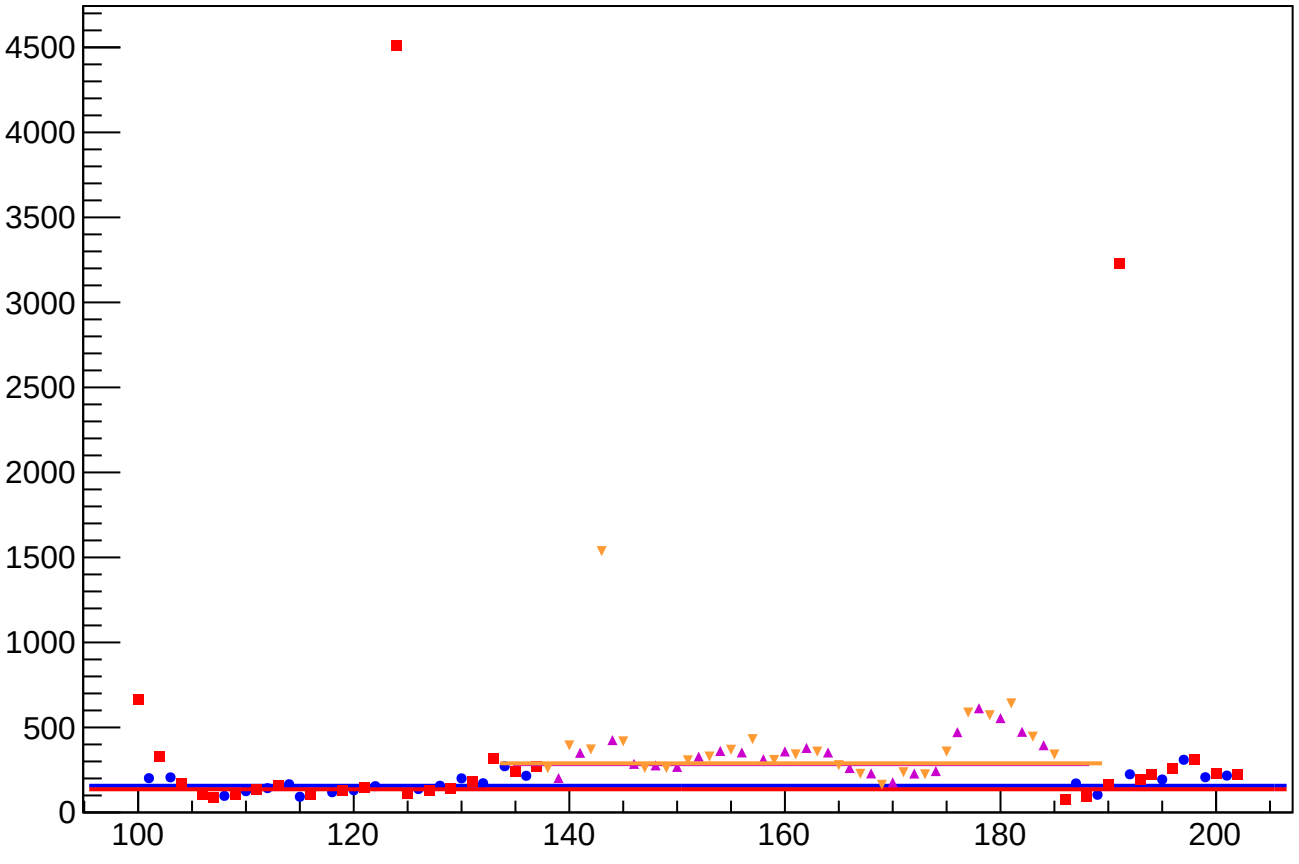
Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

- sign -0.003+/-0.035 χ^2/NDF: 57.8/51



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

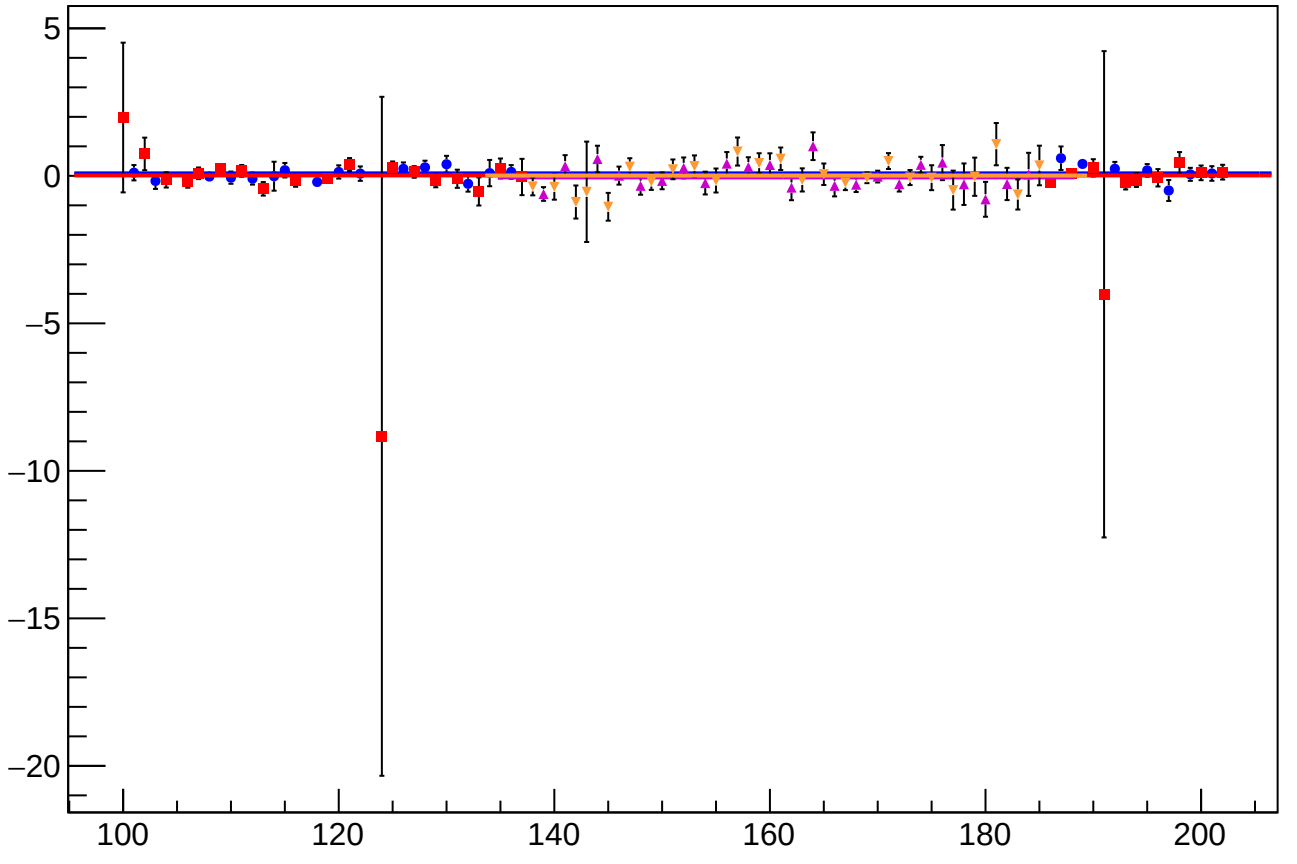
Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.267+/-0.028 χ^2/NDF: 11517375.6/47

All: 184.471+/-0.019 χ^2/NDF: 26152516.6/99

- sign 173.562+/-0.025 χ^2/NDF: 14203485.0/51



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

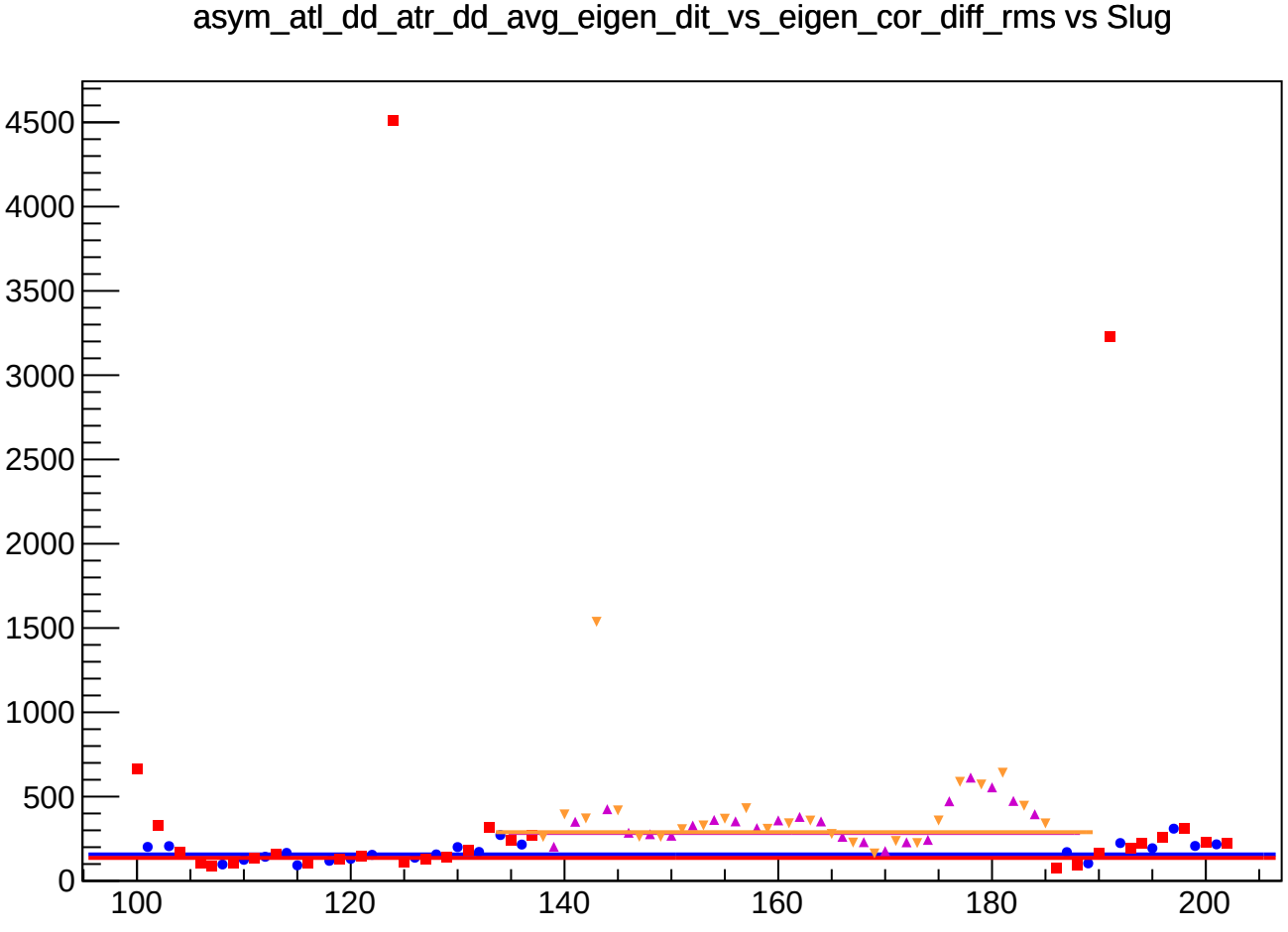
Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

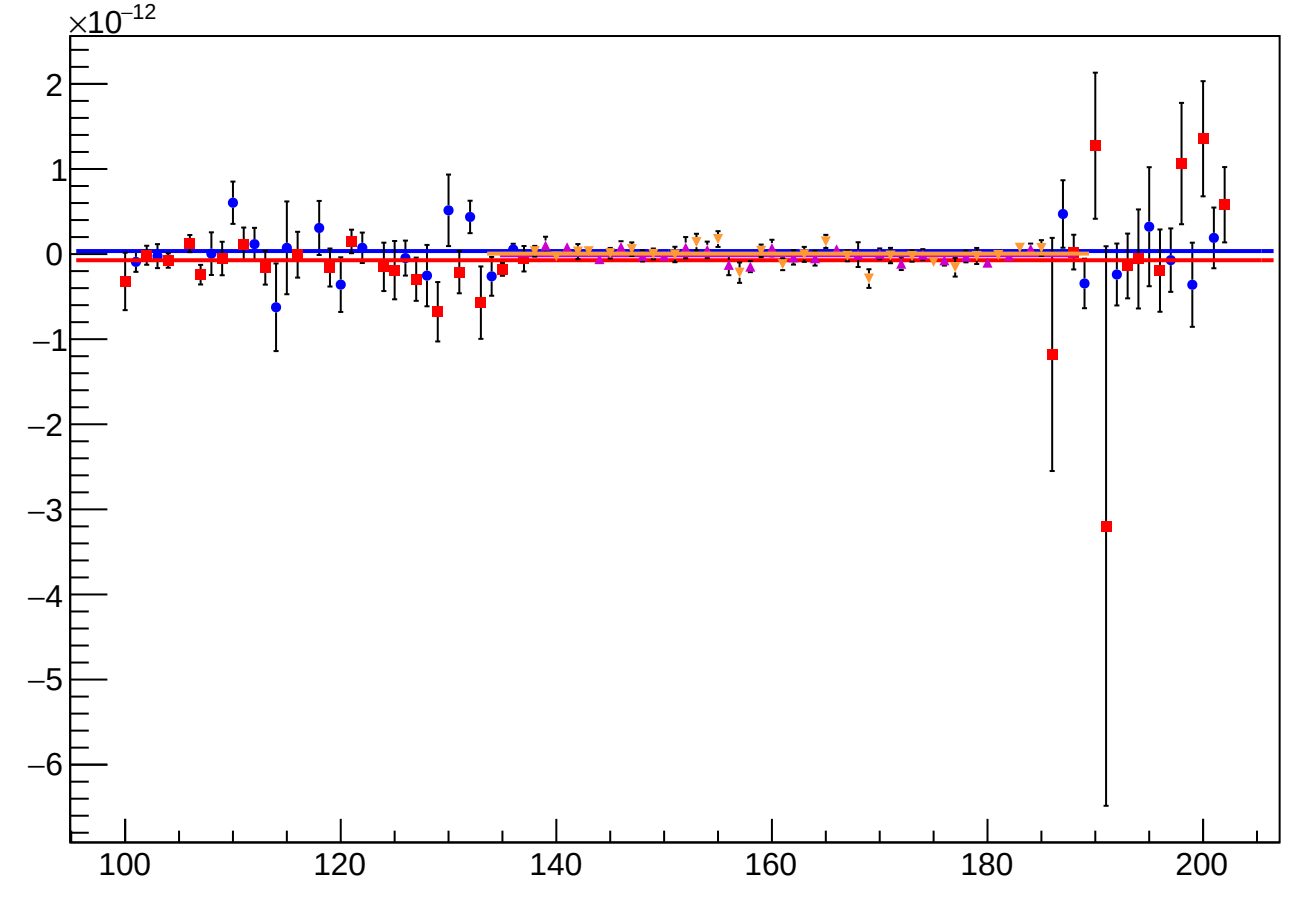
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

\+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

\- sign -0.003+/-0.035 χ^2/NDF: 57.8/51


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 156.942+/-0.034 χ²/NDF: 2124541.8/22
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 136.316+/-0.029 χ²/NDF: 4527430.8/28
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 198.267+/-0.028 χ²/NDF: 11517375.6/47
All: 184.471+/-0.019 χ²/NDF: 26152516.6/99
- sign 173.562+/-0.025 χ²/NDF: 14203485.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

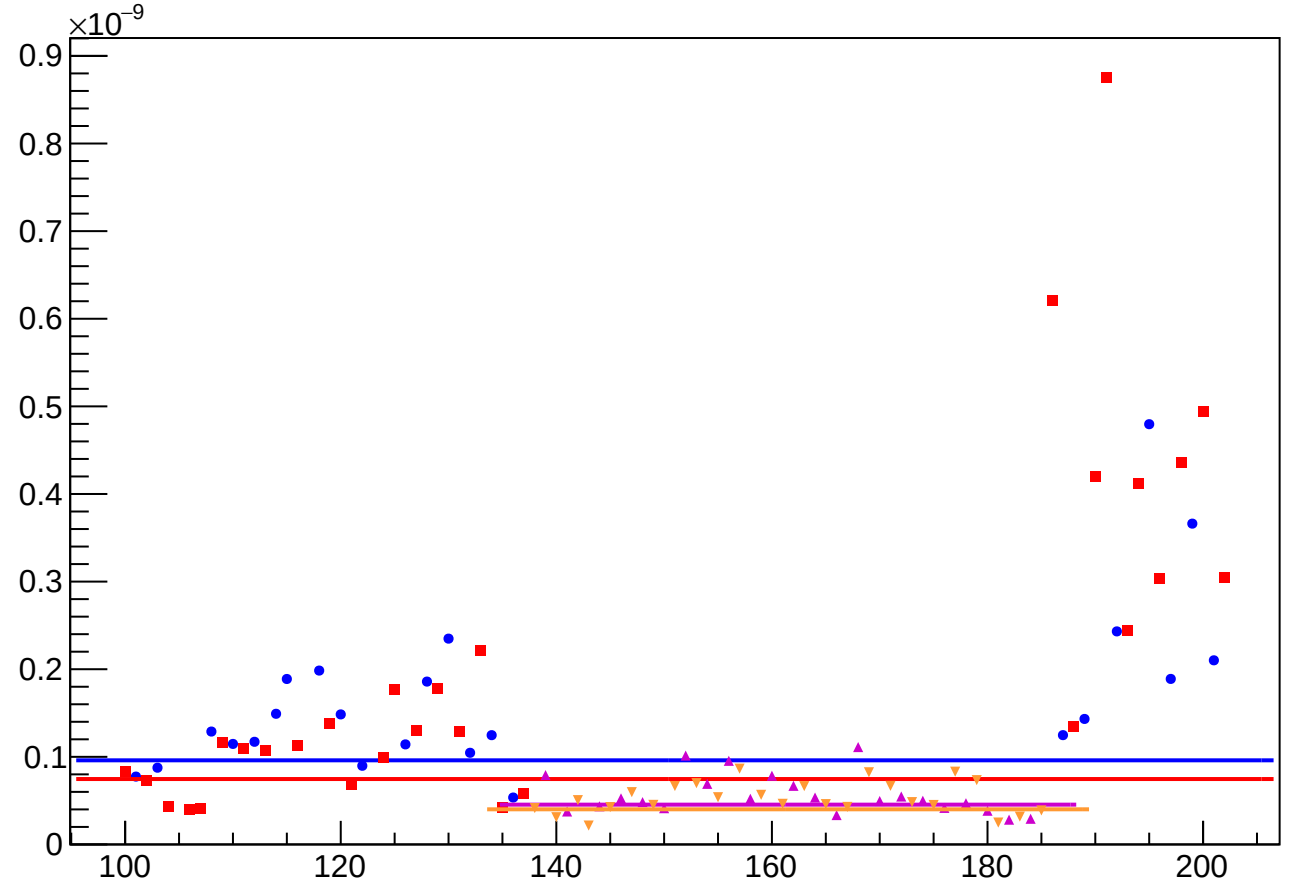
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/28

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.2/47

All: -0.000+/-0.000 χ^2/NDF: 119.1/99

- sign -0.000+/-0.000 χ^2/NDF: 57.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 3586986.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6578873.6/28

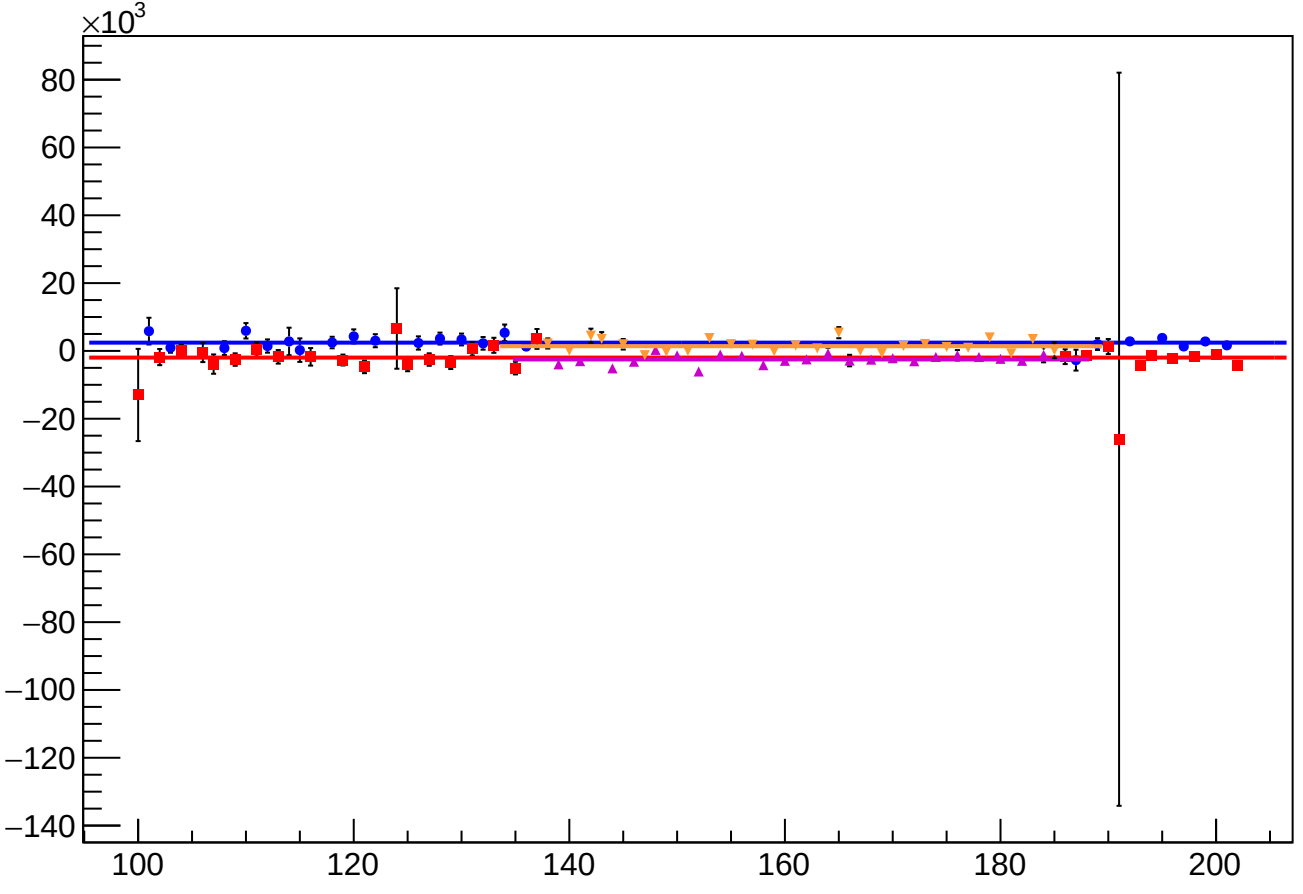
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10608960.1/47

All: 0.000+/-0.000 χ^2/NDF: 21453990.6/99

- sign 0.000+/-0.000 χ^2/NDF: 10681740.1/51

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2441.101+/-375.575 χ^2/NDF: 14.0/22

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1968.719+/-352.492 χ^2/NDF: 28.0/28

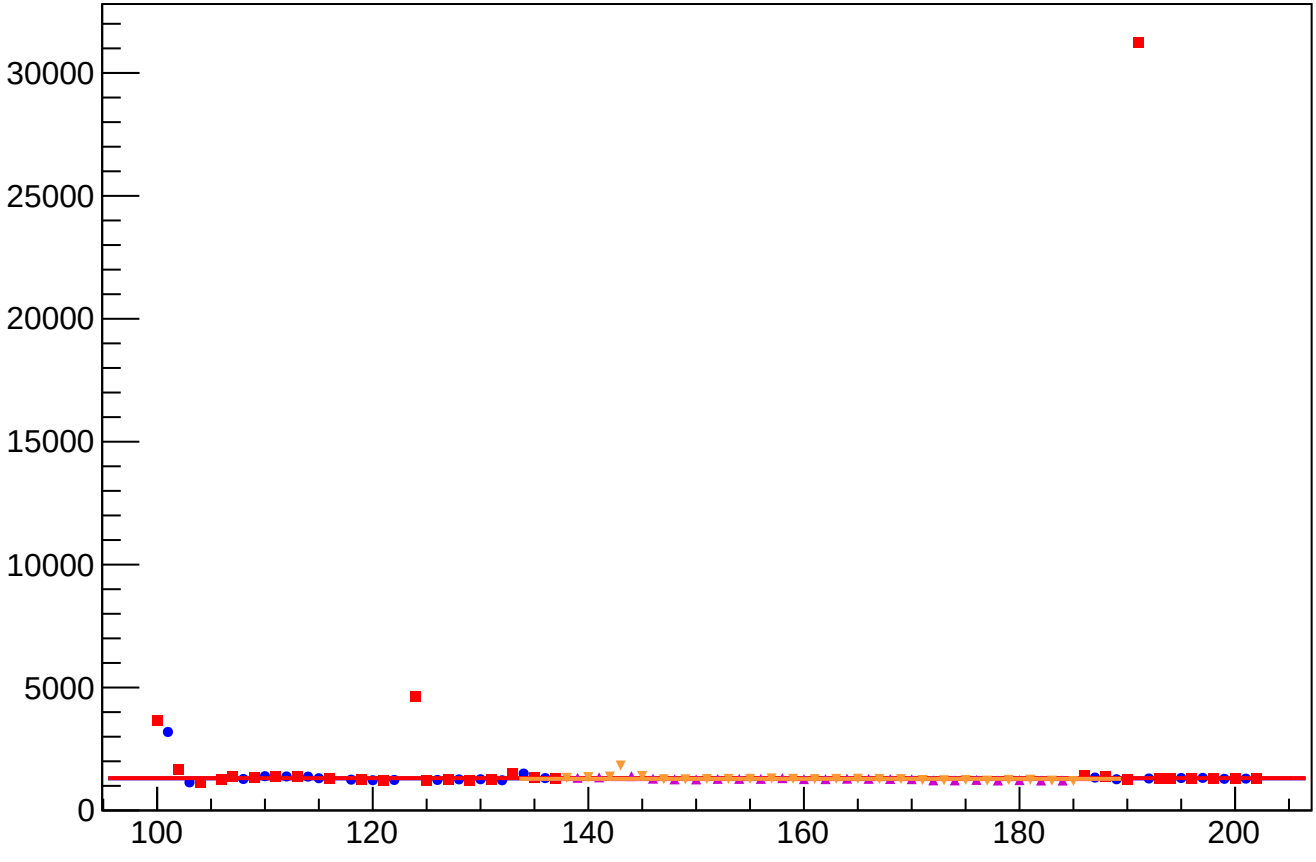
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1783.106+/-230.906 χ^2/NDF: 51.8/47

All: -282.561+/-162.099 χ^2/NDF: 261.5/99

- sign -2289.763+/-227.615 χ^2/NDF: 51.8/51

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1304.947+/-0.266 χ^2/NDF: 518512.8/22

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

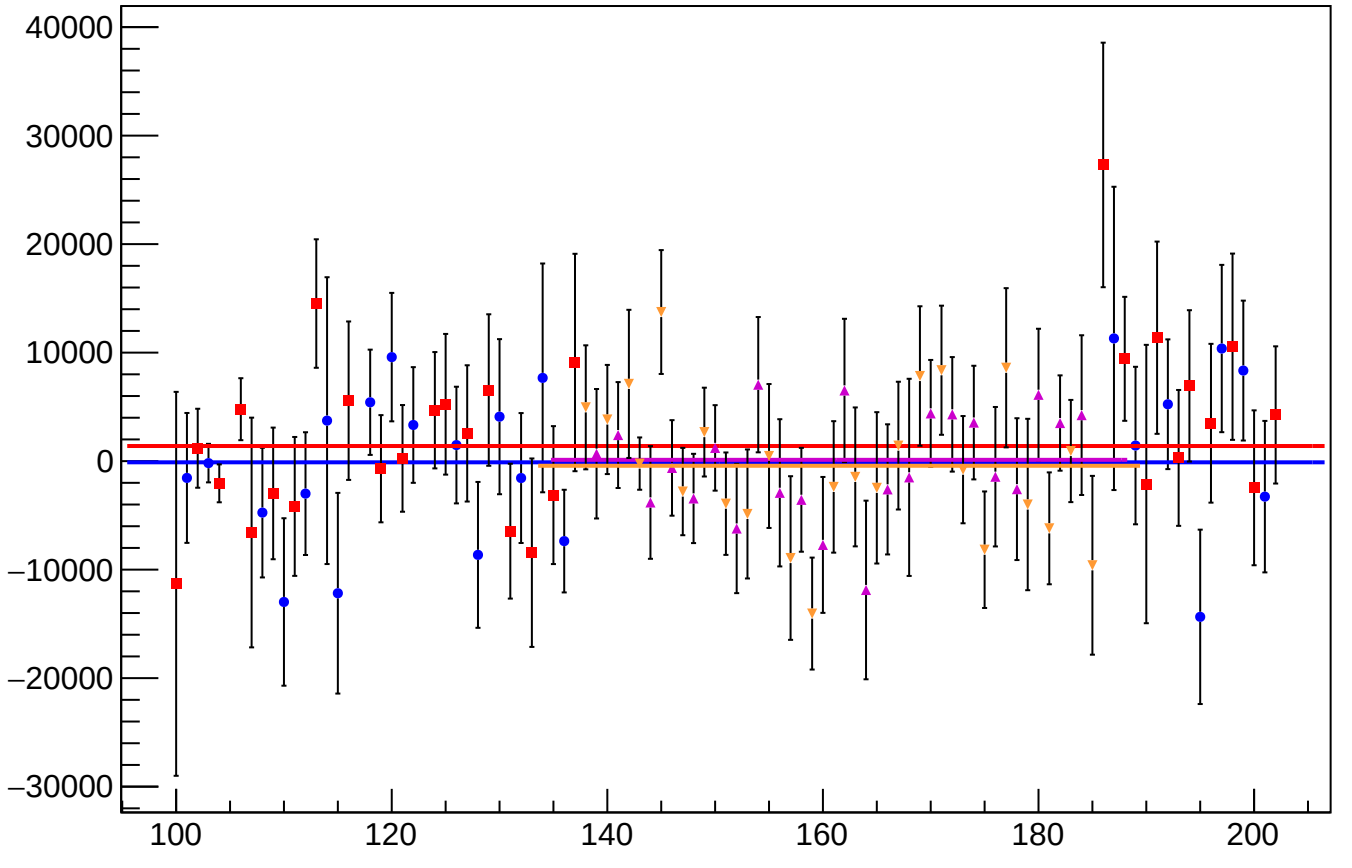
Right Out: 1314.867+/-0.249 χ^2/NDF: 489922.0/28

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.944+/-0.163 χ^2/NDF: 712824.6/47

All: 1292.565+/-0.115 χ^2/NDF: 1258399.3/99

- sign 1292.198+/-0.161 χ^2/NDF: 545564.2/51



Right In: -109.466+/-1096.480 χ^2/NDF: 23.3/22

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

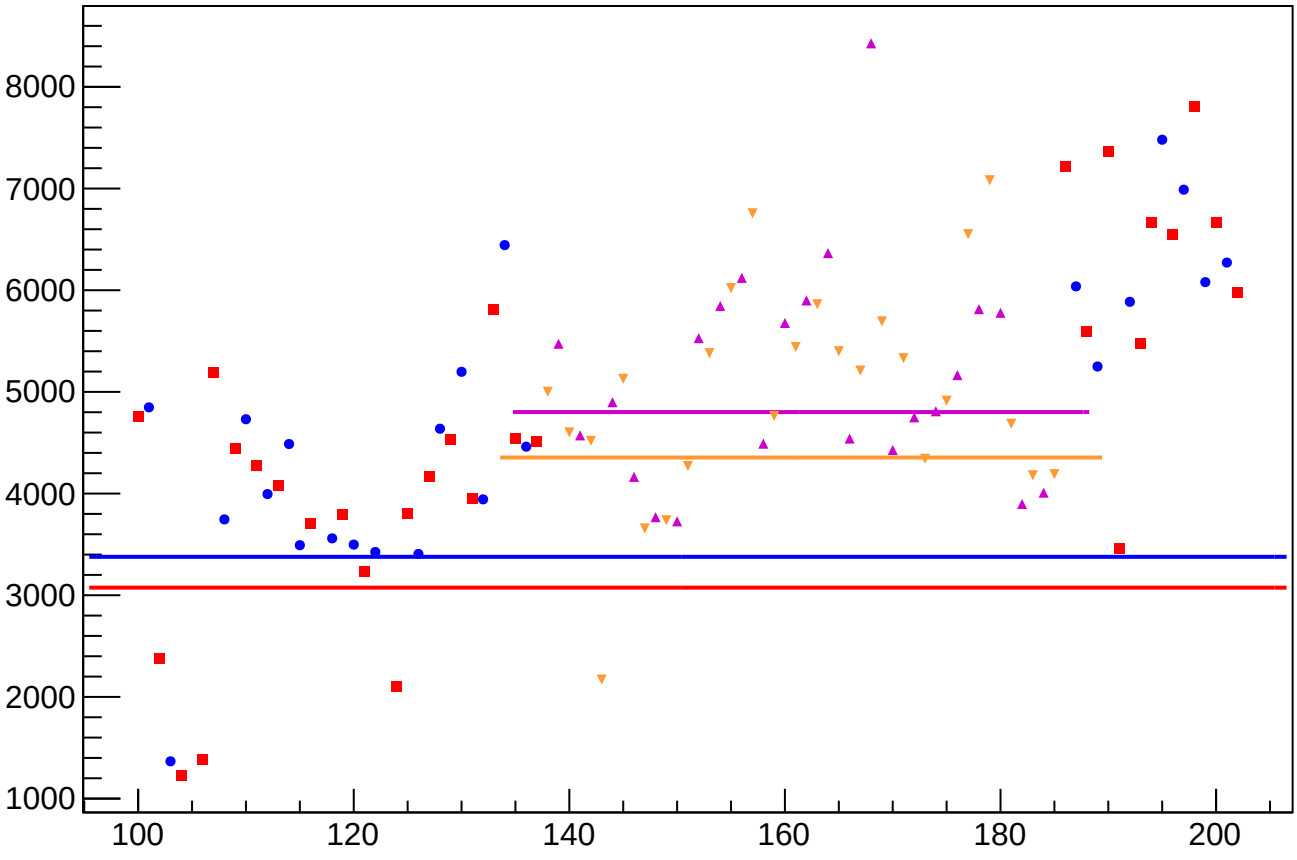
Right Out: 1392.949+/-963.144 χ^2/NDF: 29.4/28

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -277.727+/-753.818 χ^2/NDF: 53.2/47

All: 306.561+/-526.975 χ^2/NDF: 98.1/99

- sign 865.033+/-736.977 χ^2/NDF: 43.7/51



Right In: 3377.949+/-0.775 χ^2/NDF: 5502691.9/22

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3074.891+/-0.681 χ^2/NDF: 7719997.1/28

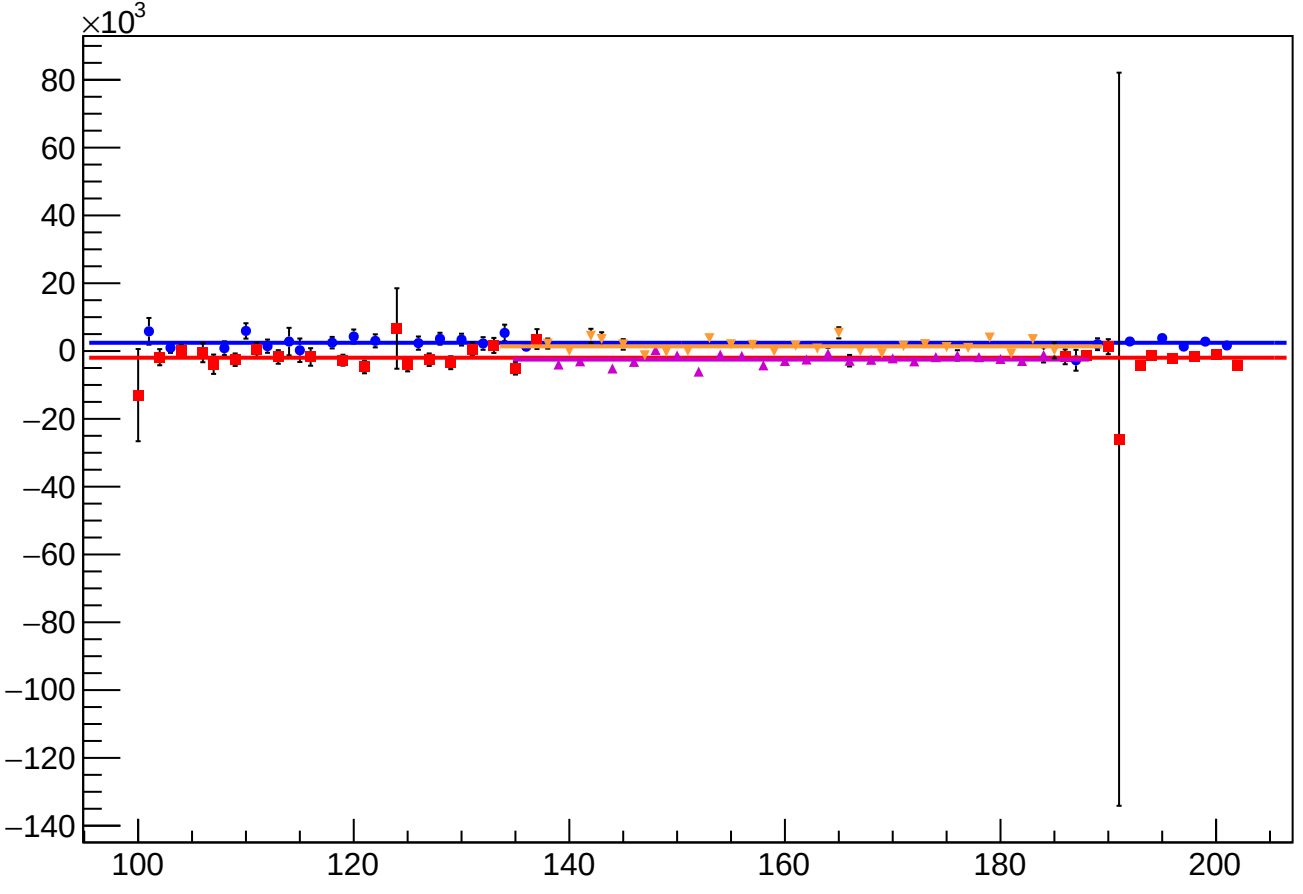
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3892.956+/-0.533 χ^2/NDF: 9410786.5/47

All: 3840.624+/-0.373 χ^2/NDF: 21045921.6/9

- sign 3790.605+/-0.521 χ^2/NDF: 11616283.4/51

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2441.004+/-375.575 χ^2/NDF: 14.0/22

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1968.582+/-352.492 χ^2/NDF: 28.0/28

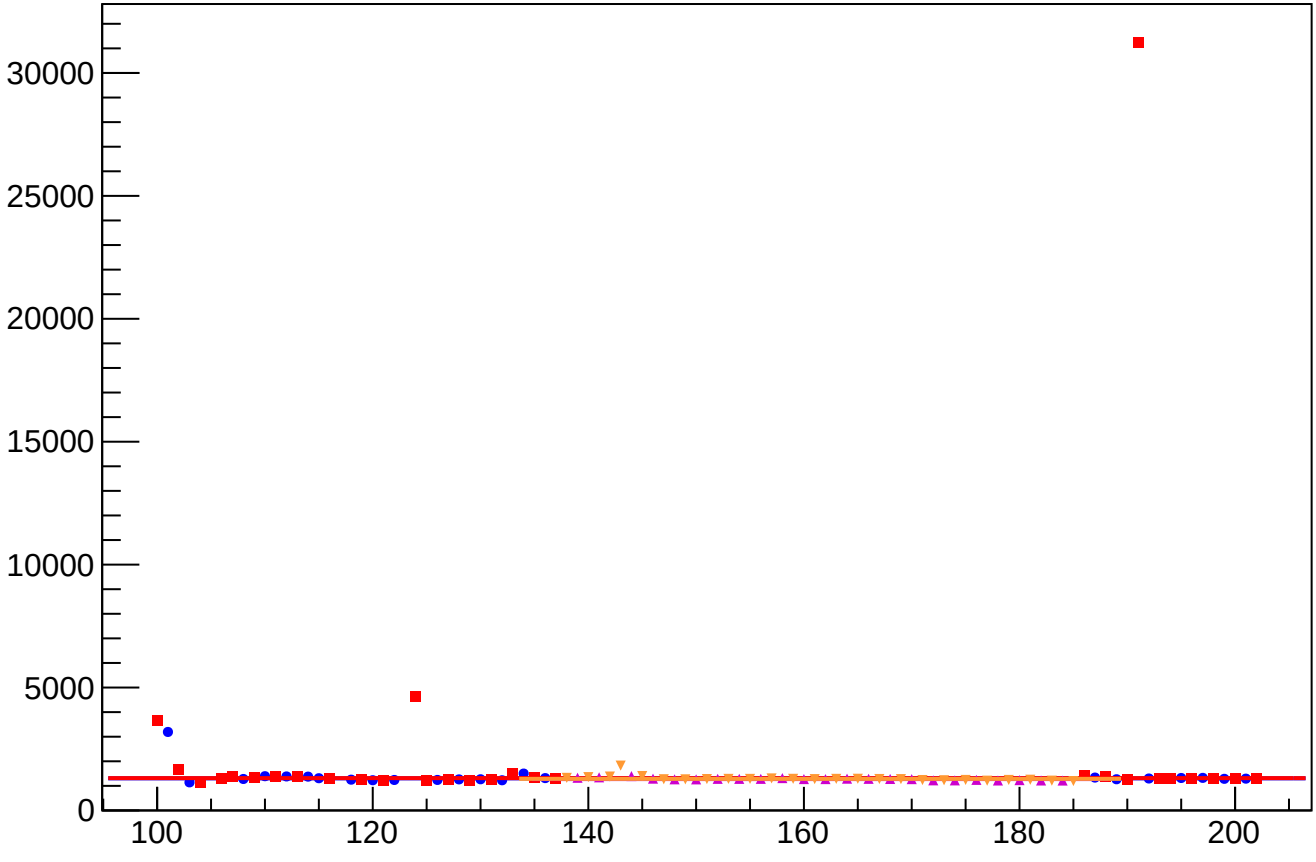
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1783.029+/-230.906 χ^2/NDF: 51.8/47

All: -282.571+/-162.099 χ^2/NDF: 261.5/99

- sign -2289.706+/-227.615 χ^2/NDF: 51.9/51

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1304.947+/-0.266 χ^2/NDF: 518514.4/22

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

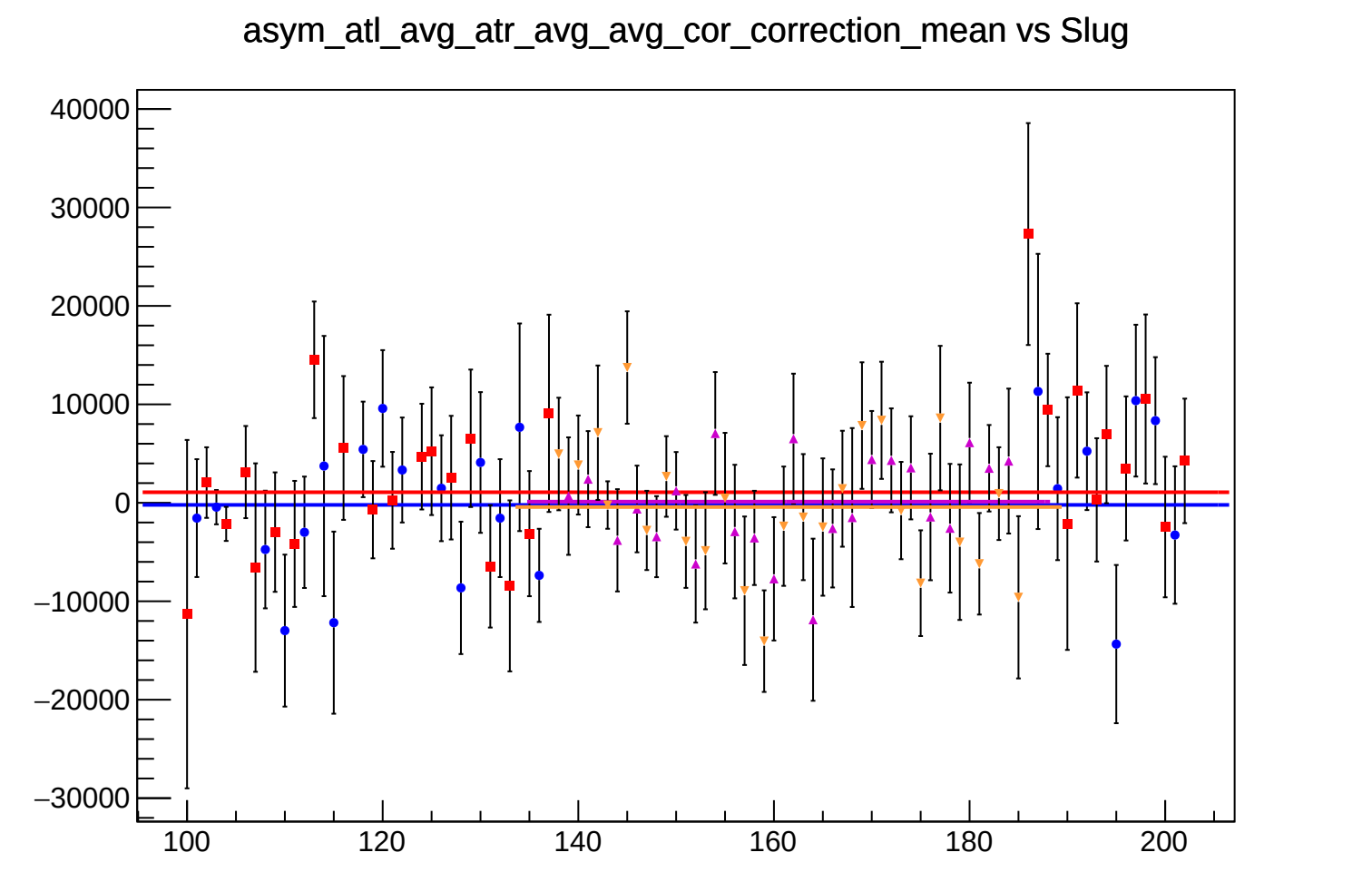
Right Out: 1315.440+/-0.249 χ^2/NDF: 489454.9/28

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.943+/-0.163 χ^2/NDF: 712826.1/47

All: 1292.683+/-0.115 χ^2/NDF: 1258343.9/99

- sign 1292.429+/-0.161 χ^2/NDF: 545512.9/51



Right In: -212.528+/-1088.364 χ^2/NDF: 23.4/22

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

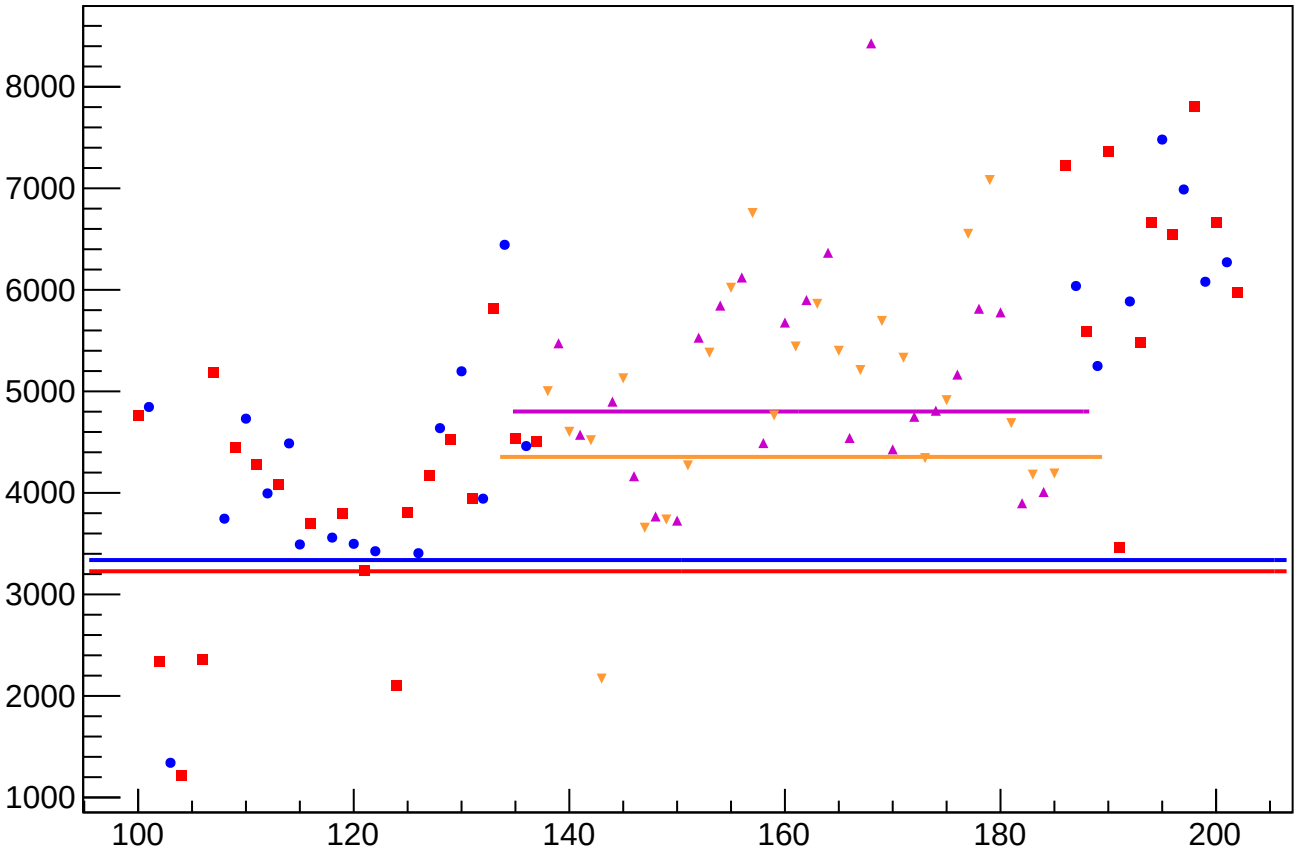
Right Out: 1073.175+/-995.308 χ^2/NDF: 28.4/28

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

\+ sign -325.636+/-751.164 χ^2/NDF: 53.2/47

All: 168.483+/-531.127 χ^2/NDF: 96.4/99

\- sign 662.505+/-751.091 χ^2/NDF: 42.4/51



Right In: 3338.441+/-0.770 χ^2/NDF: 5667852.6/22

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

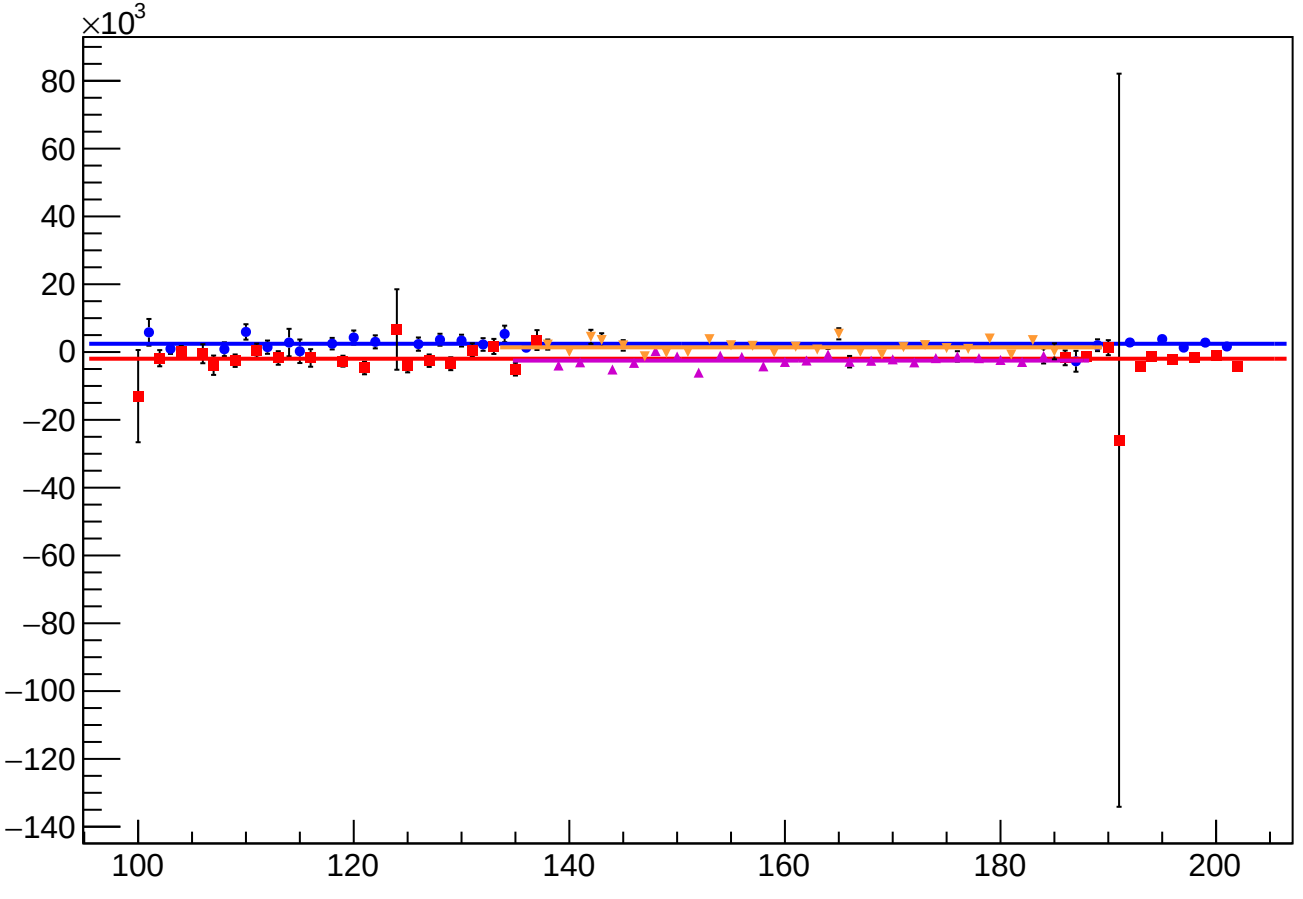
Right Out: 3227.959+/-0.704 χ^2/NDF: 7101885.7/28

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3870.511+/-0.531 χ^2/NDF: 9652177.8/47

All: 3887.981+/-0.376 χ^2/NDF: 20140482.5/9

- sign 3905.448+/-0.531 χ^2/NDF: 10486141.2/51



Right In: 2441.004+/-375.575 χ^2/NDF: 14.0/22

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1968.582+/-352.492 χ^2/NDF: 28.0/28

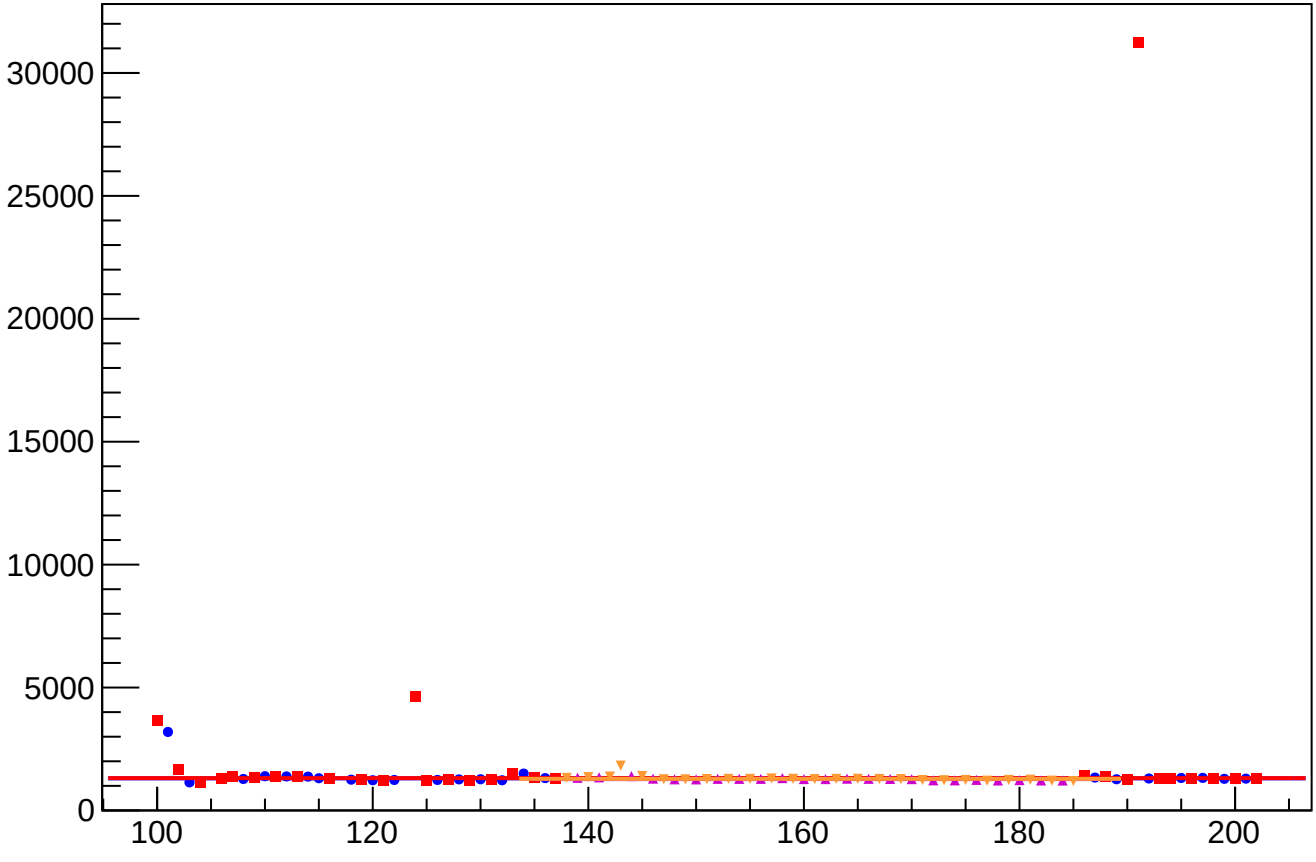
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1783.029+/-230.906 χ^2/NDF: 51.8/47

All: -282.571+/-162.099 χ^2/NDF: 261.5/99

- sign -2289.706+/-227.615 χ^2/NDF: 51.9/51

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1304.947+/-0.266 χ^2/NDF: 518514.4/22

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

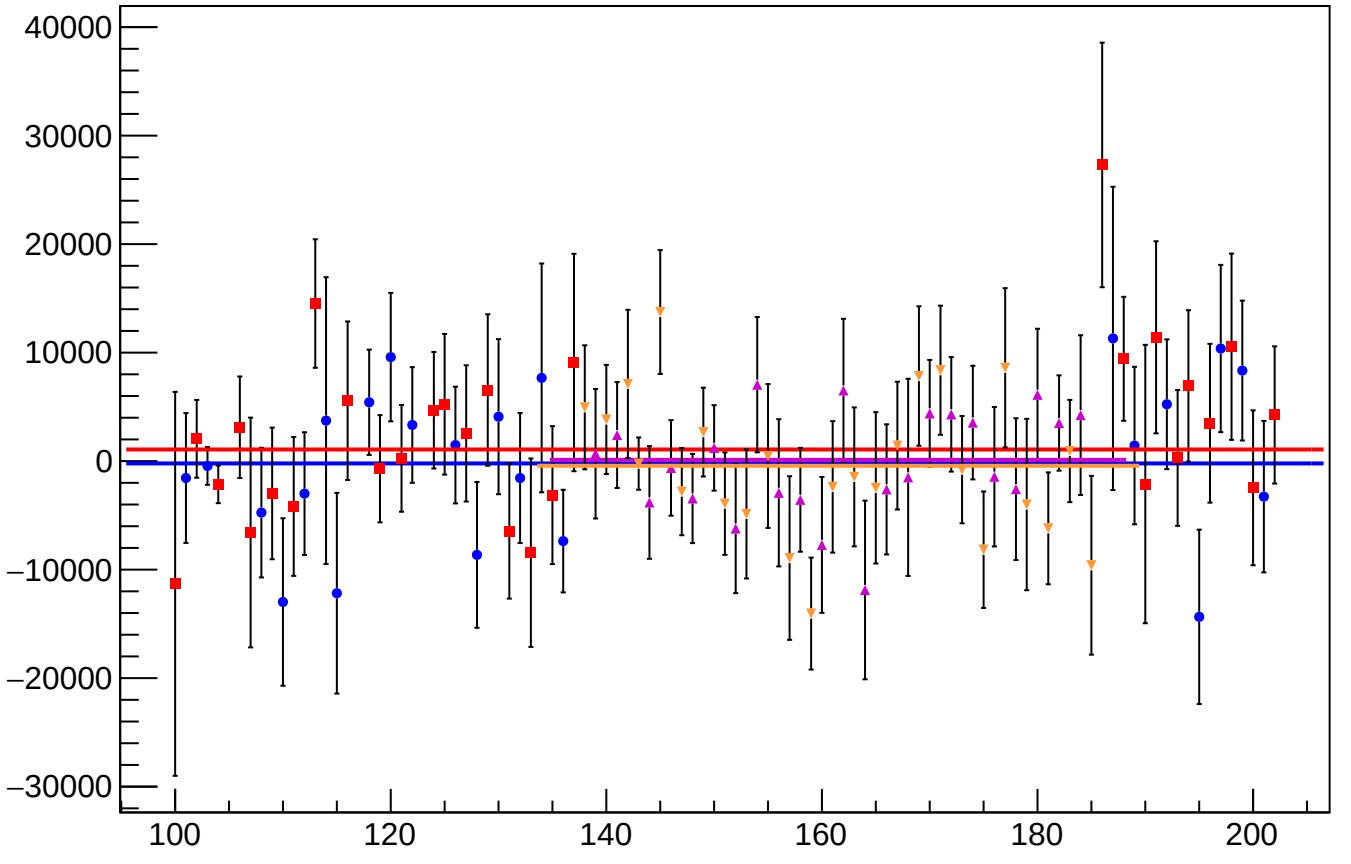
Right Out: 1315.440+/-0.249 χ^2/NDF: 489454.9/28

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.943+/-0.163 χ^2/NDF: 712826.1/47

All: 1292.683+/-0.115 χ^2/NDF: 1258343.9/99

- sign 1292.429+/-0.161 χ^2/NDF: 545512.9/51



Right In: -212.528+/-1088.364 χ^2/NDF: 23.4/22

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

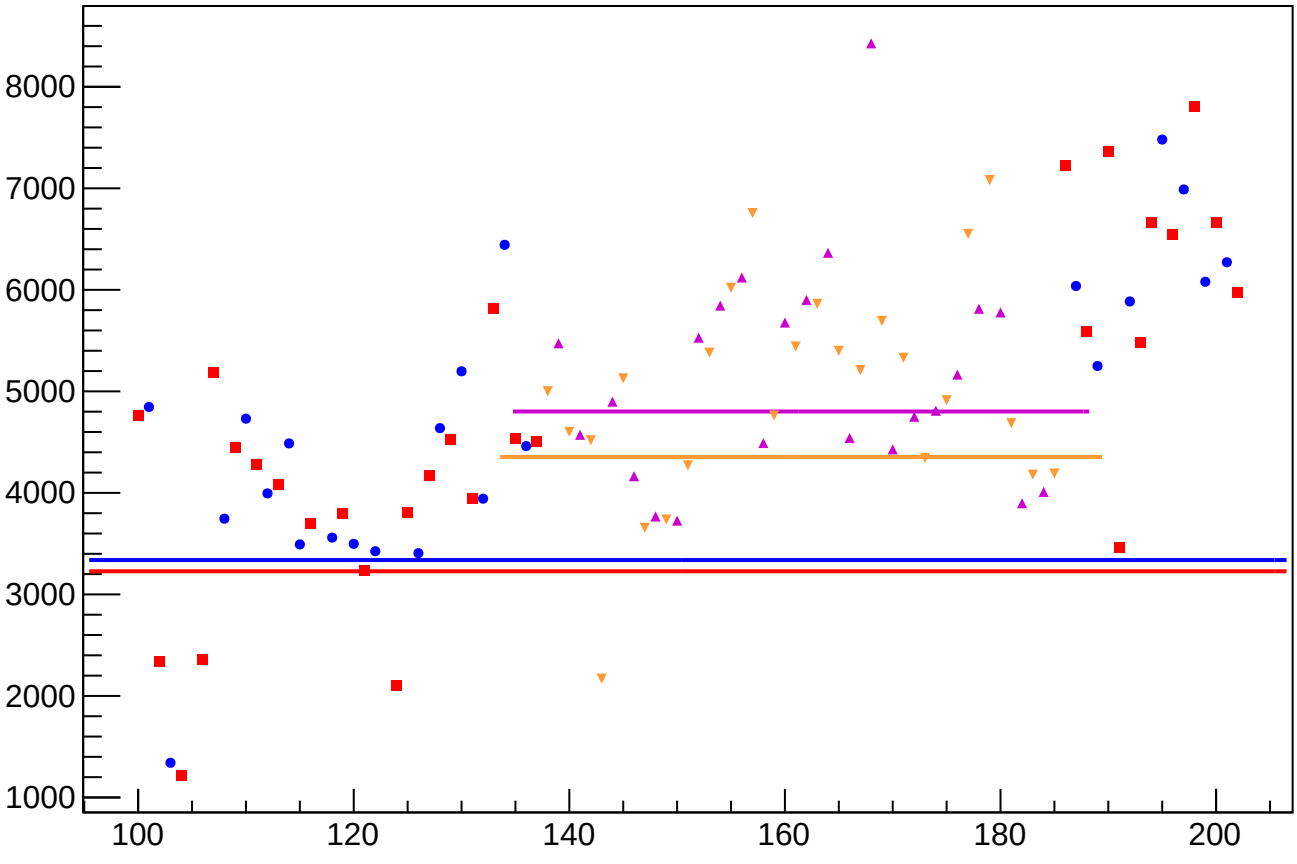
Right Out: 1073.175+/-995.308 χ^2/NDF: 28.4/28

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -325.636+/-751.164 χ^2/NDF: 53.2/47

All: 168.483+/-531.127 χ^2/NDF: 96.4/99

- sign 662.505+/-751.091 χ^2/NDF: 42.4/51



Right In: 3338.441+/-0.770 χ^2/NDF: 5667852.6/22

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3227.959+/-0.704 χ^2/NDF: 7101885.7/28

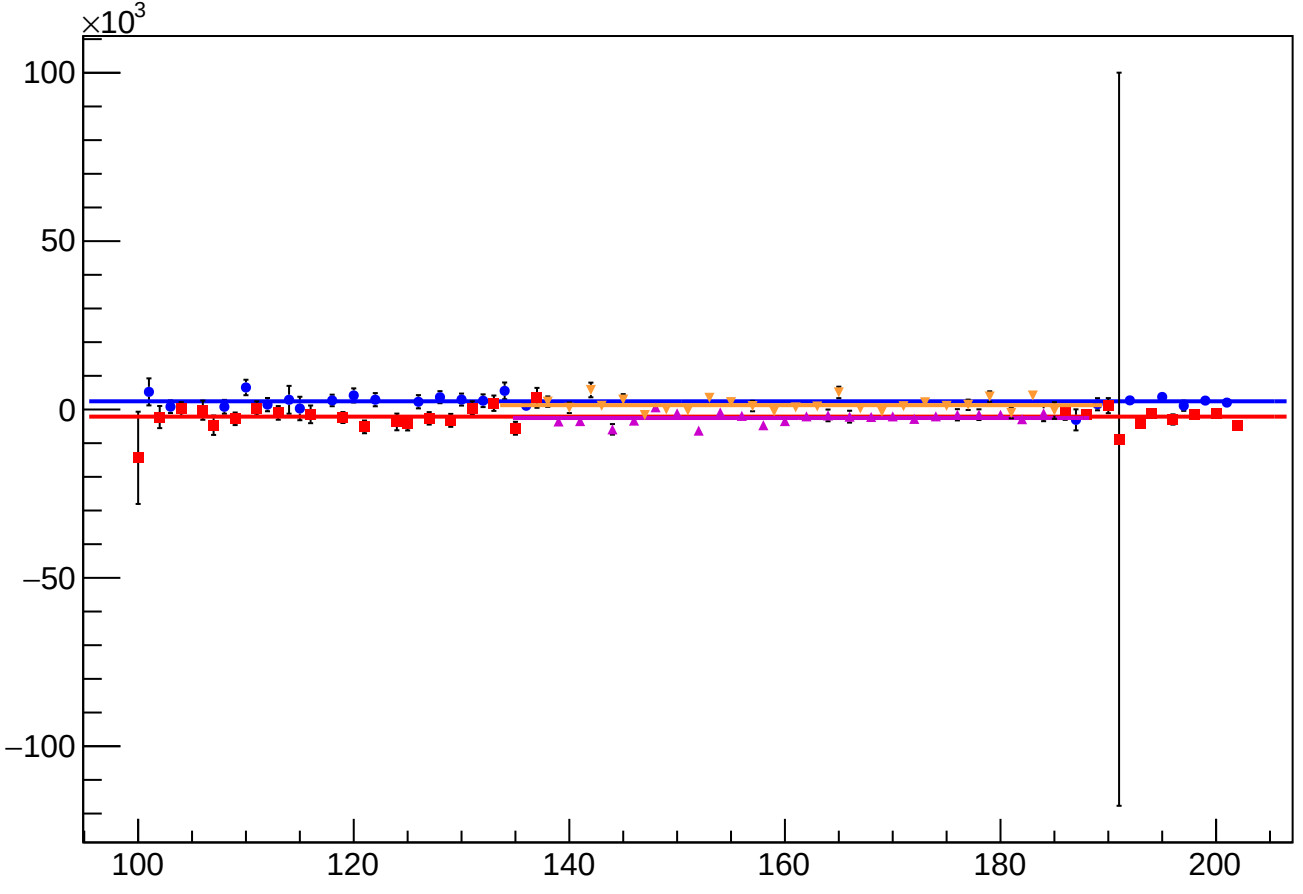
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3870.511+/-0.531 χ^2/NDF: 9652177.8/47

All: 3887.981+/-0.376 χ^2/NDF: 20140482.5/9

- sign 3905.448+/-0.531 χ^2/NDF: 10486141.2/51

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2437.839+/-387.078 χ^2/NDF: 14.5/22

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2116.968+/-360.058 χ^2/NDF: 29.7/28

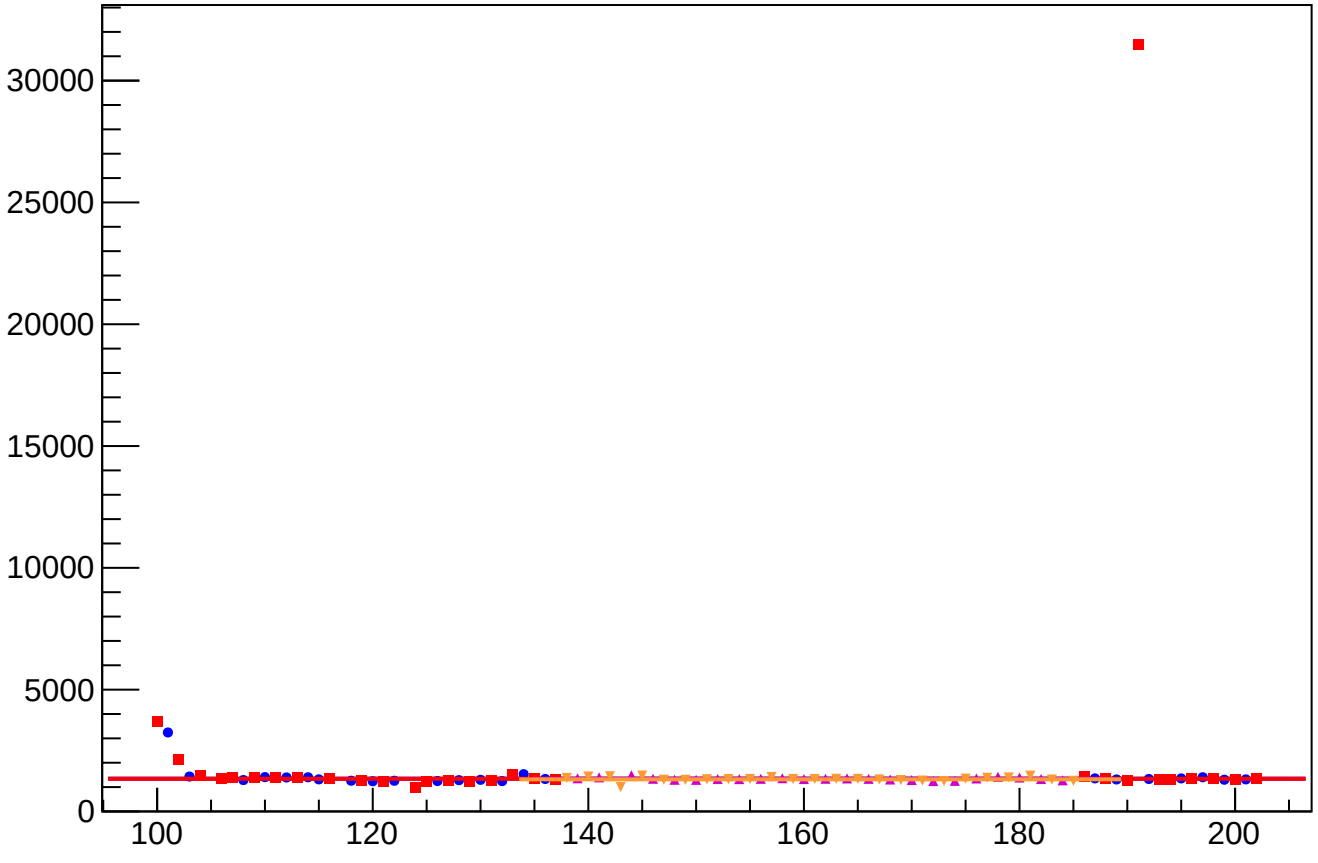
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1718.215+/-237.381 χ^2/NDF: 53.4/47

All: -327.938+/-167.425 χ^2/NDF: 256.7/99

- sign -2353.315+/-236.173 χ^2/NDF: 55.5/51

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1344.951+/-0.274 χ^2/NDF: 500888.4/22

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

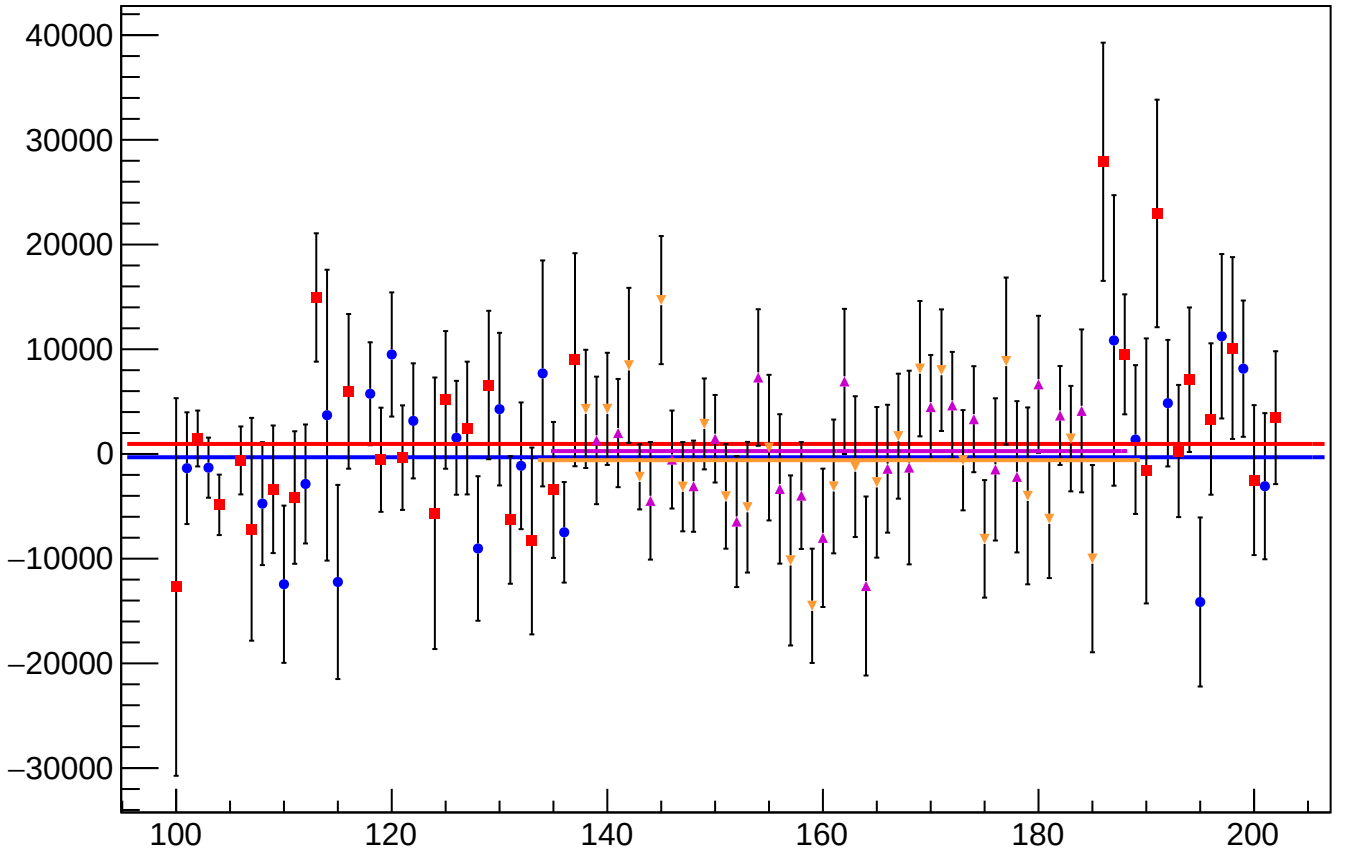
Right Out: 1341.654+/-0.255 χ^2/NDF: 435031.9/28

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1328.245+/-0.168 χ^2/NDF: 755407.1/47

All: 1334.111+/-0.118 χ^2/NDF: 1247199.5/99

- sign 1339.916+/-0.167 χ^2/NDF: 489362.3/51



Right In: -314.126+/-1254.849 χ^2/NDF: 23.2/22

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

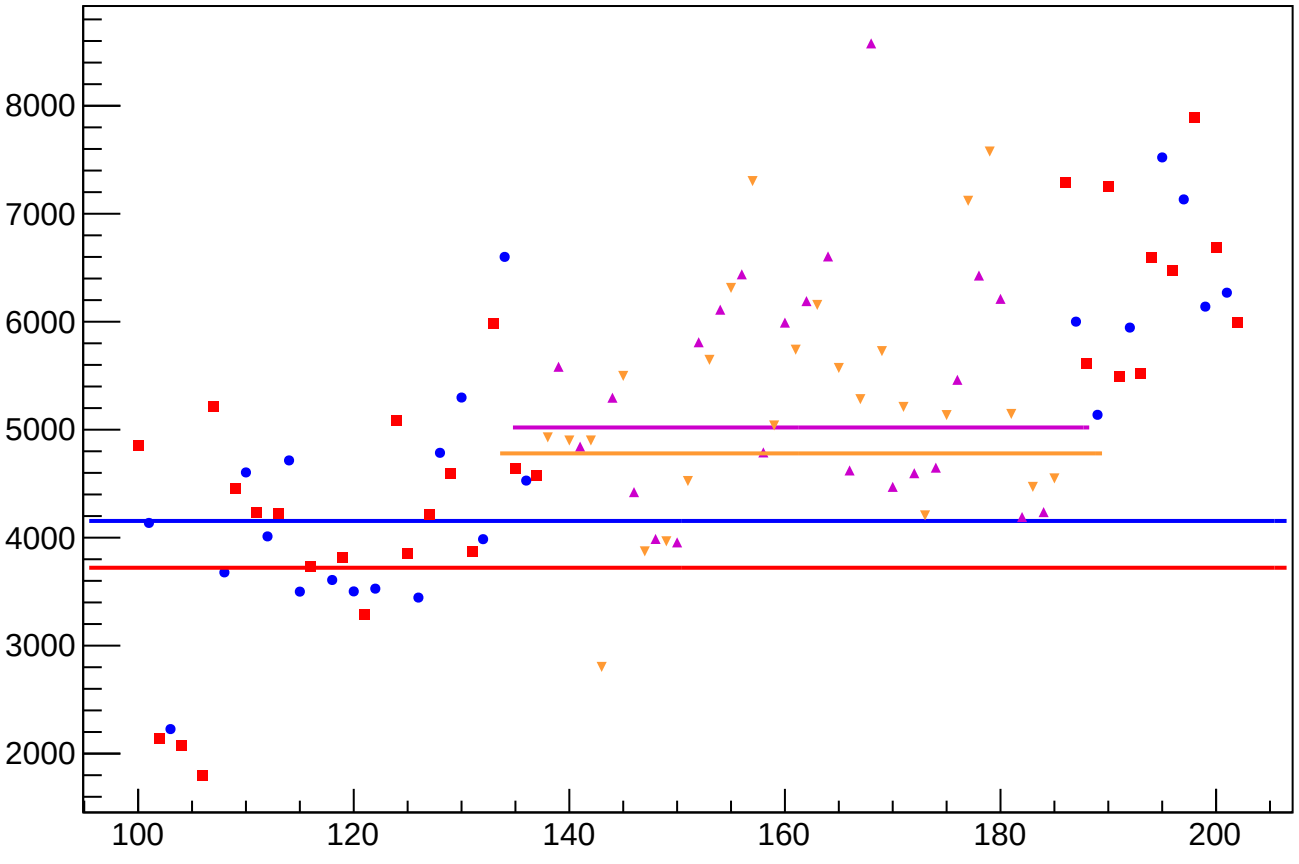
Right Out: 955.831+/-1073.787 χ^2/NDF: 31.8/28

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -470.131+/-836.531 χ^2/NDF: 52.8/47

All: 116.113+/-577.884 χ^2/NDF: 99.1/99

- sign 651.264+/-799.247 χ^2/NDF: 45.4/51



Right In: 4154.806+/-0.887 χ^2/NDF: 2483437.2/22

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3721.328+/-0.759 χ^2/NDF: 4909831.1/28

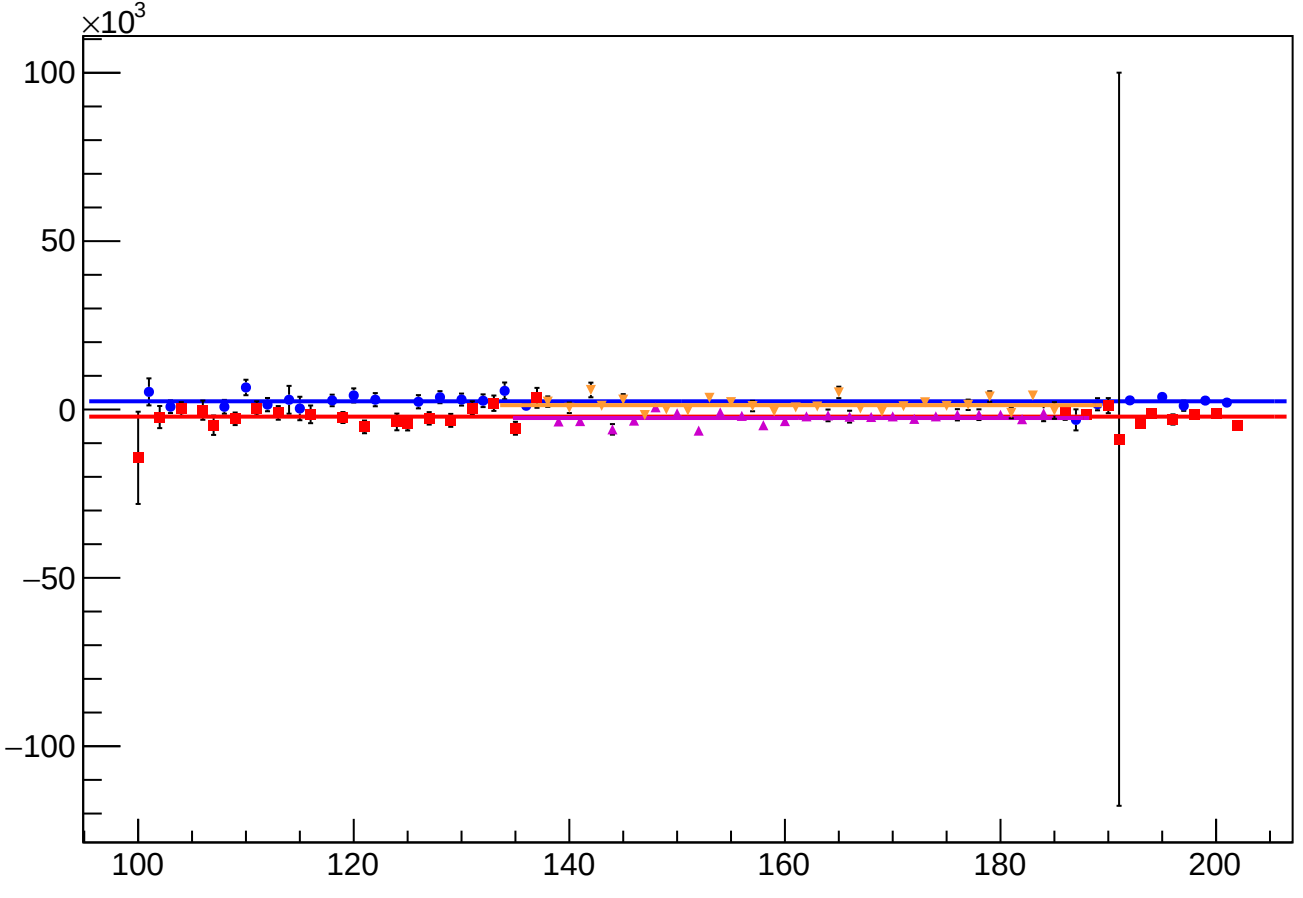
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4502.379+/-0.592 χ^2/NDF: 4765856.9/47

All: 4396.976+/-0.409 χ^2/NDF: 12267333.3/9

- sign 4300.760+/-0.565 χ^2/NDF: 7440739.9/51

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2437.838+/-387.078 χ^2/NDF: 14.5/22

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -2116.968+/-360.058 χ^2/NDF: 29.7/28

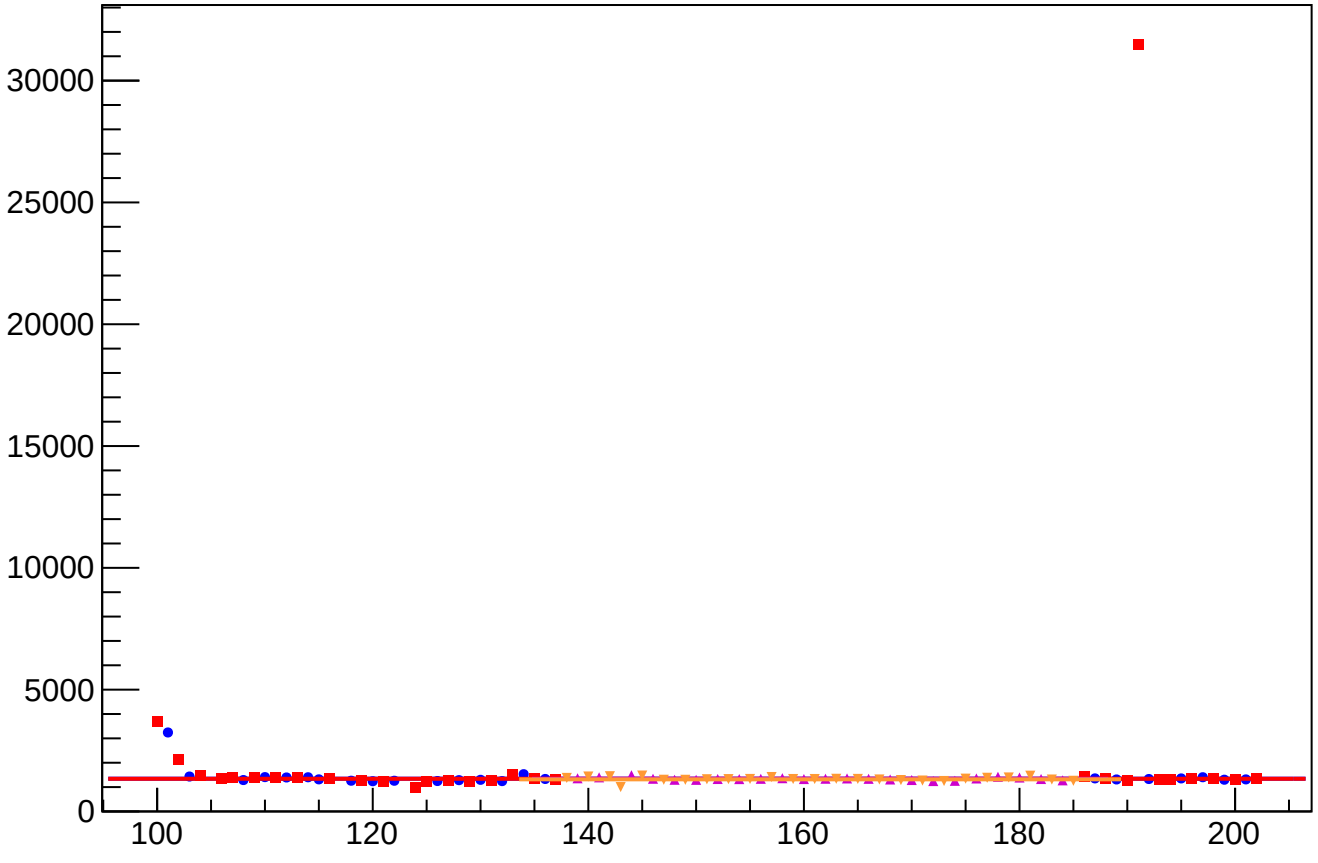
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1718.212+/-237.382 χ^2/NDF: 53.4/47

All: -327.940+/-167.425 χ^2/NDF: 256.7/99

- sign -2353.315+/-236.173 χ^2/NDF: 55.5/51

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1344.950+/-0.274 χ^2/NDF: 500888.6/22

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1341.654+/-0.255 χ^2/NDF: 435030.8/28

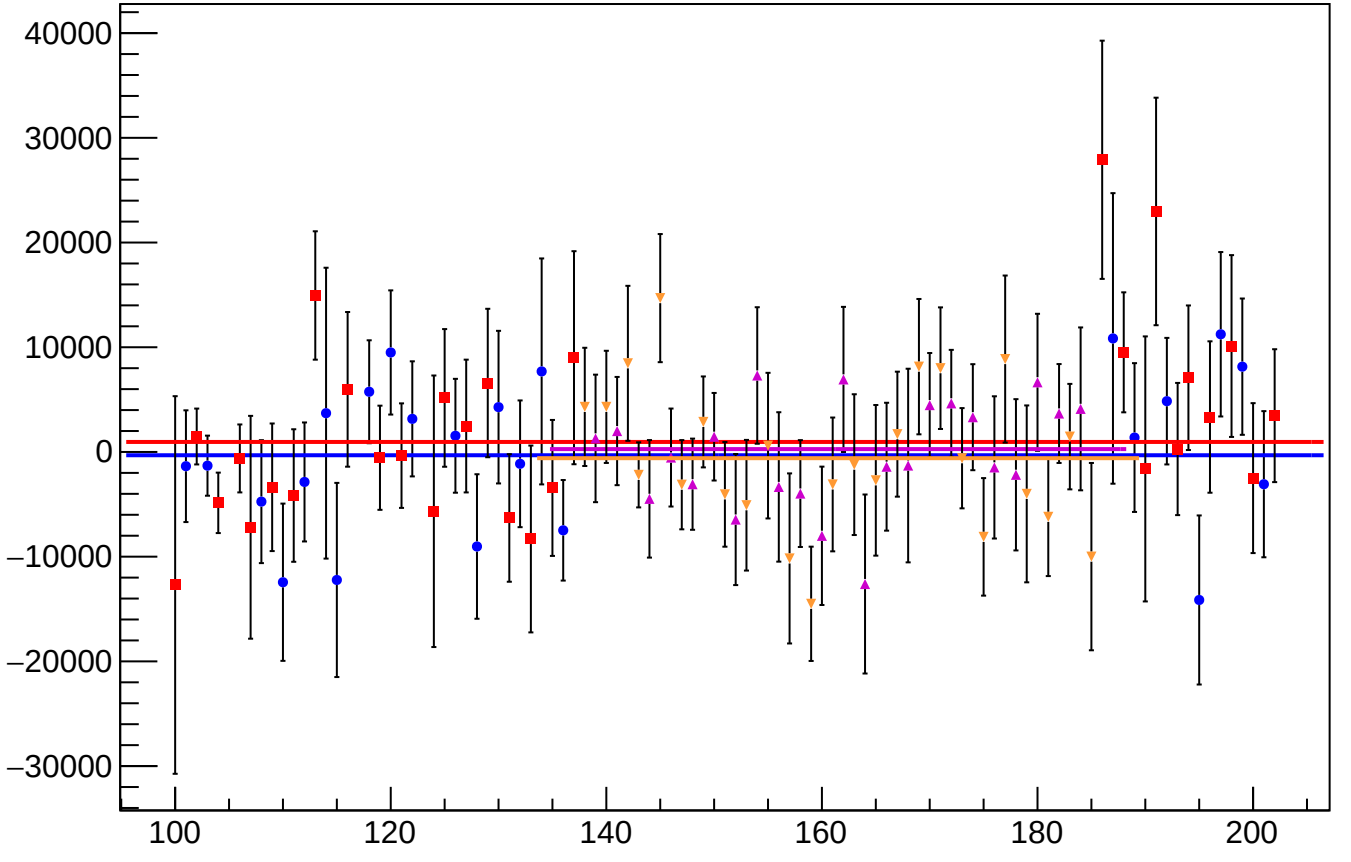
Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1328.245+/-0.168 χ^2/NDF: 755409.1/47

All: 1334.112+/-0.118 χ^2/NDF: 1247202.8/99

- sign 1339.917+/-0.167 χ^2/NDF: 489363.6/51

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -314.122+/-1254.847 χ^2/NDF: 23.2/22

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

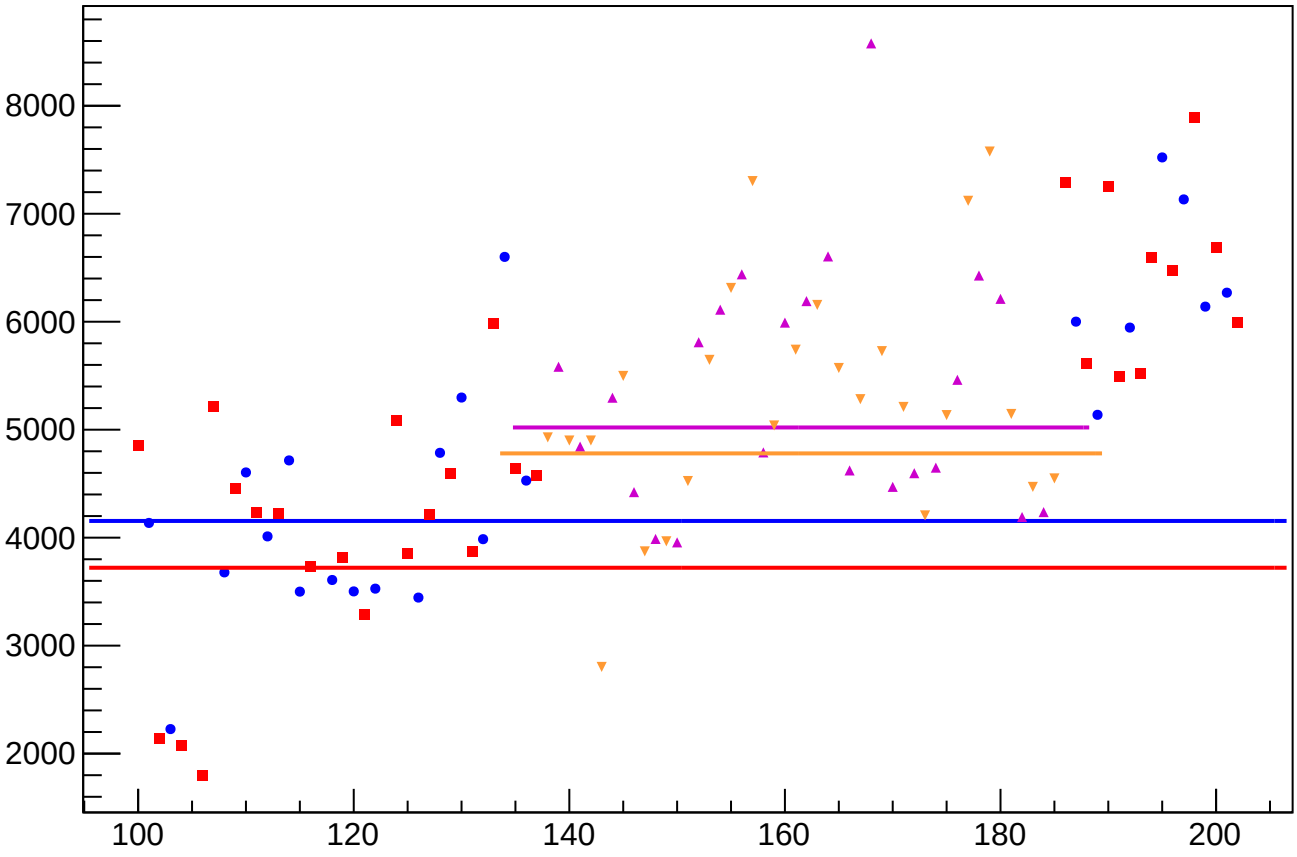
Right Out: 955.824+/-1073.785 χ^2/NDF: 31.8/28

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -470.131+/-836.531 χ^2/NDF: 52.8/47

All: 116.112+/-577.884 χ^2/NDF: 99.1/99

- sign 651.262+/-799.247 χ^2/NDF: 45.4/51



Right In: 4154.797+/-0.887 χ^2/NDF: 2483457.4/22

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3721.319+/-0.759 χ^2/NDF: 4909859.6/28

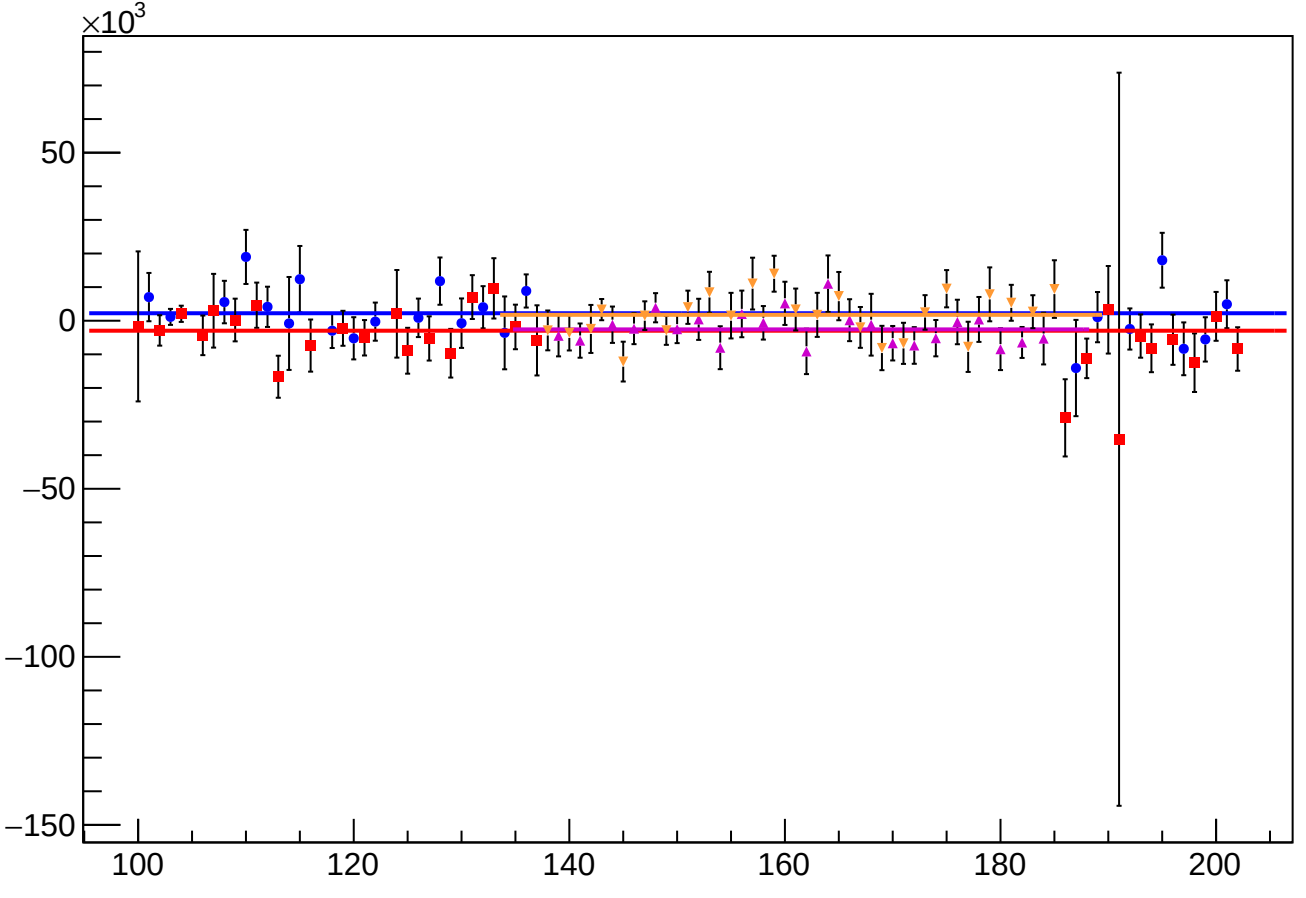
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4502.378+/-0.592 χ^2/NDF: 4765893.2/47

All: 4396.974+/-0.409 χ^2/NDF: 12267437.3/9

- sign 4300.756+/-0.565 χ^2/NDF: 7440805.5/51

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2227.559+/-1248.673 χ^2/NDF: 22.3/22

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2969.931+/-1178.759 χ^2/NDF: 28.2/28

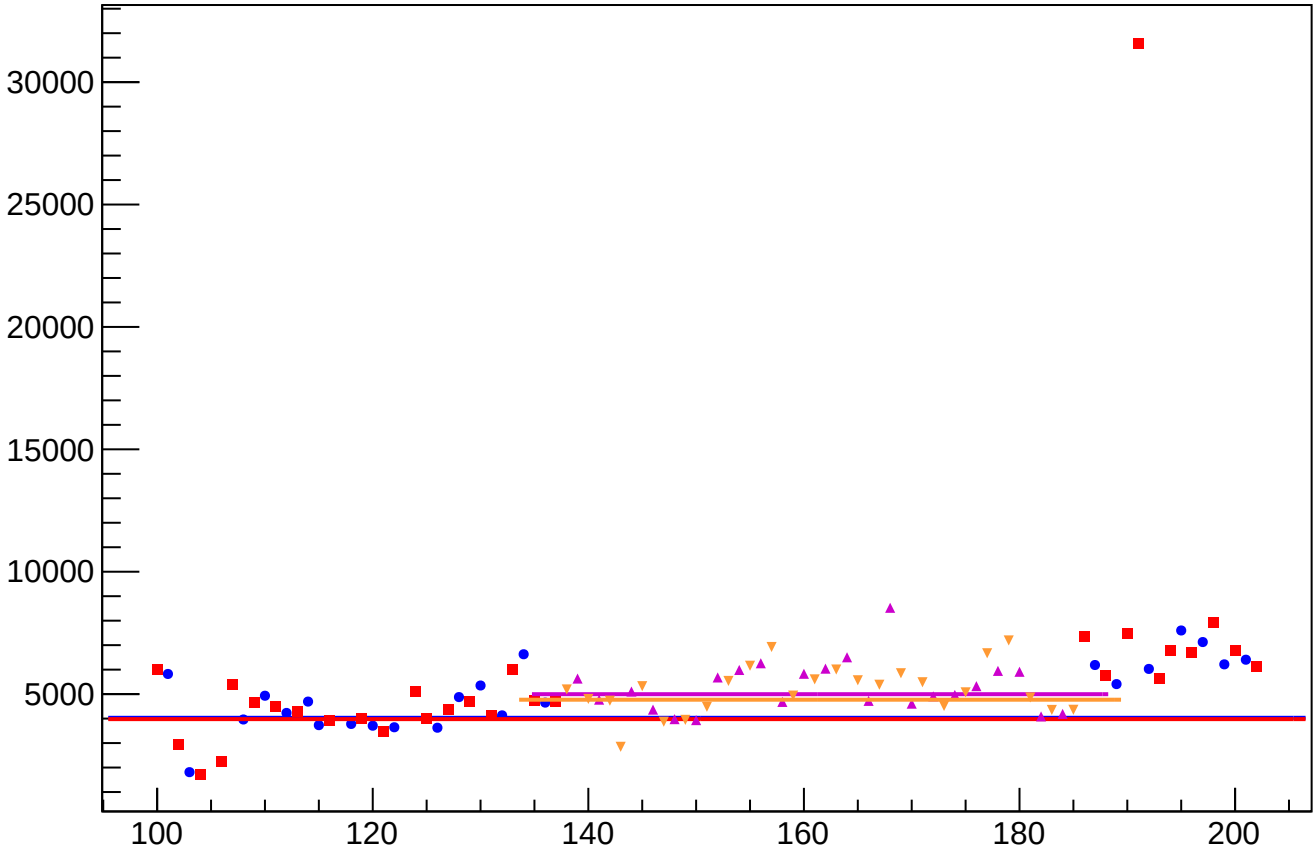
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1968.612+/-832.194 χ^2/NDF: 50.1/47

All: -390.548+/-590.111 χ^2/NDF: 107.7/99

- sign -2776.542+/-836.913 χ^2/NDF: 41.5/51

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4032.056+/-0.883 χ^2/NDF: 3626516.8/22

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

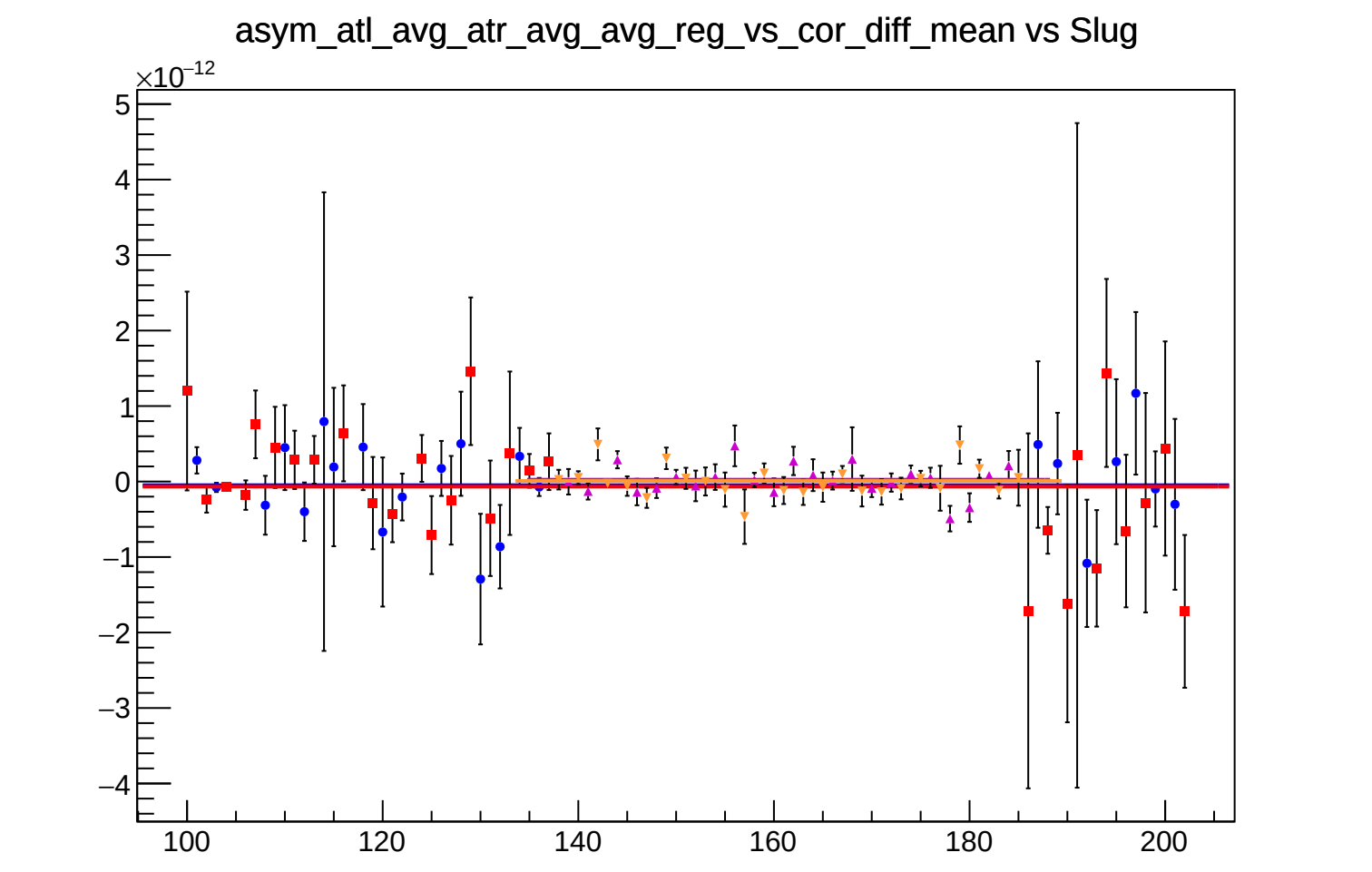
Right Out: 3978.072+/-0.825 χ^2/NDF: 4703011.4/28

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4442.879+/-0.588 χ^2/NDF: 5803102.9/47

All: 4460.318+/-0.416 χ^2/NDF: 12352305.2/9

- sign 4477.763+/-0.589 χ^2/NDF: 6547445.6/51



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

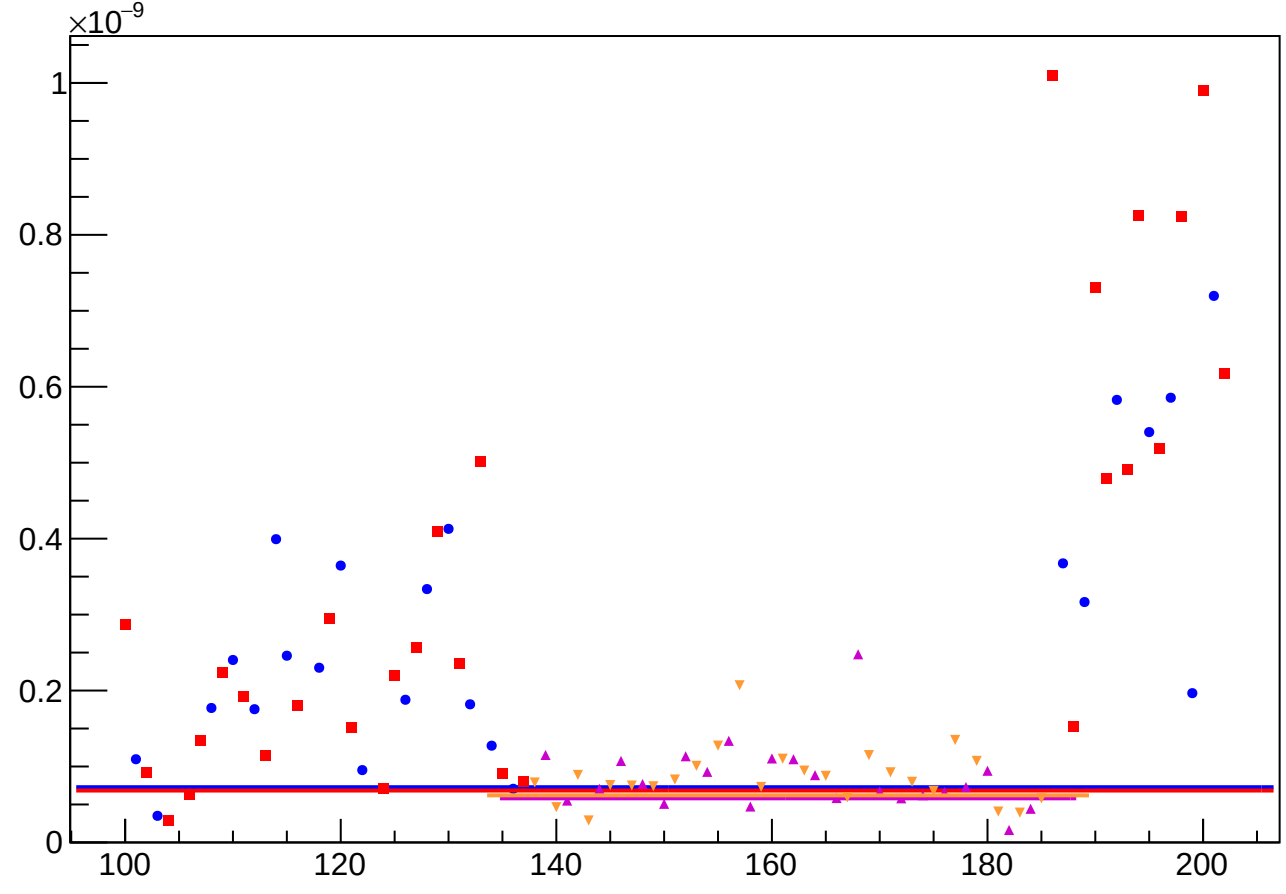
Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/28

Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.2/47

All: -0.000+/-0.000 χ^2/NDF: 110.2/99

- sign 0.000+/-0.000 χ^2/NDF: 65.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 5380188.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

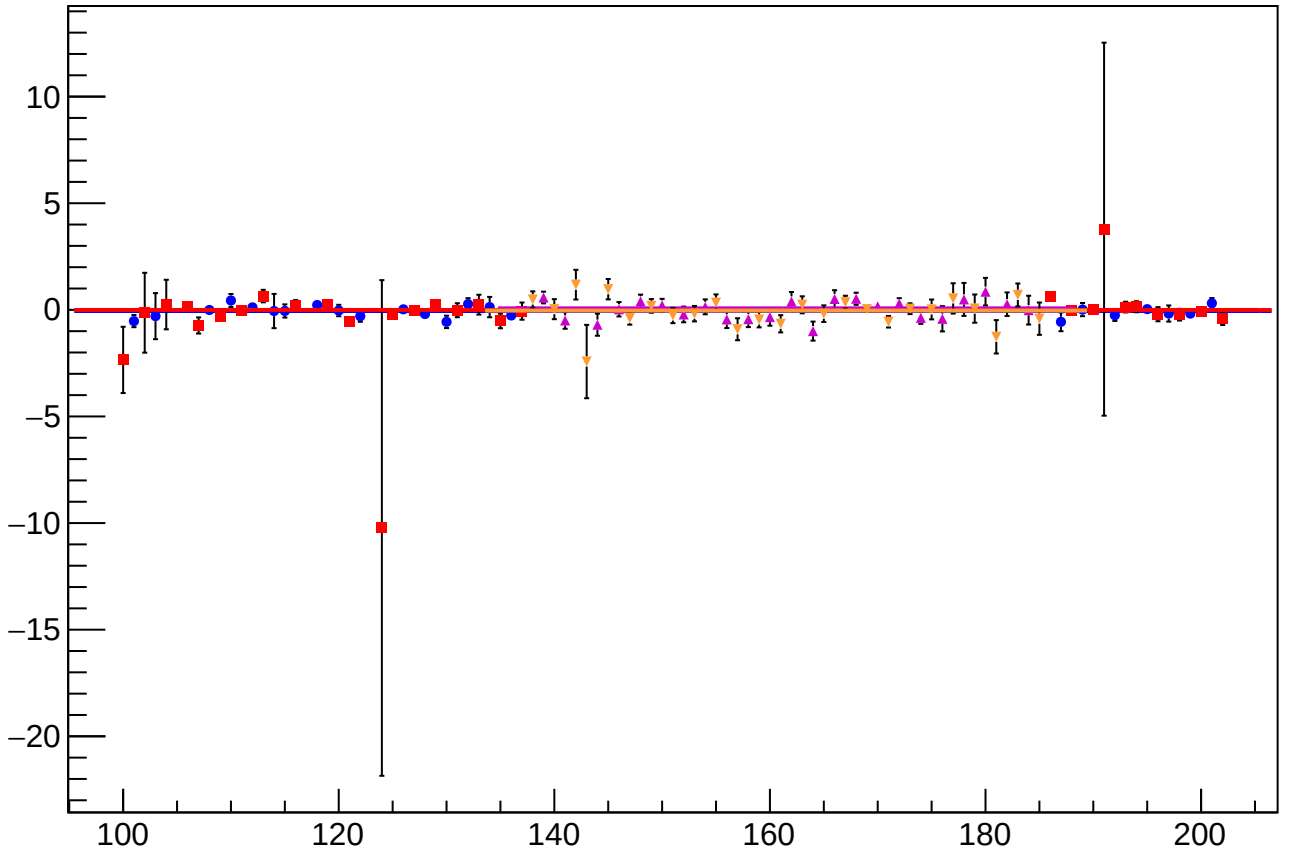
Right Out: 0.000+/-0.000 χ^2/NDF: 7496034.3/28

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7900948.9/47

All: 0.000+/-0.000 χ^2/NDF: 18466044.5/99

- sign 0.000+/-0.000 χ^2/NDF: 10536147.3/51



Right In: -0.054+/-0.056 χ^2/NDF: 19.6/22

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

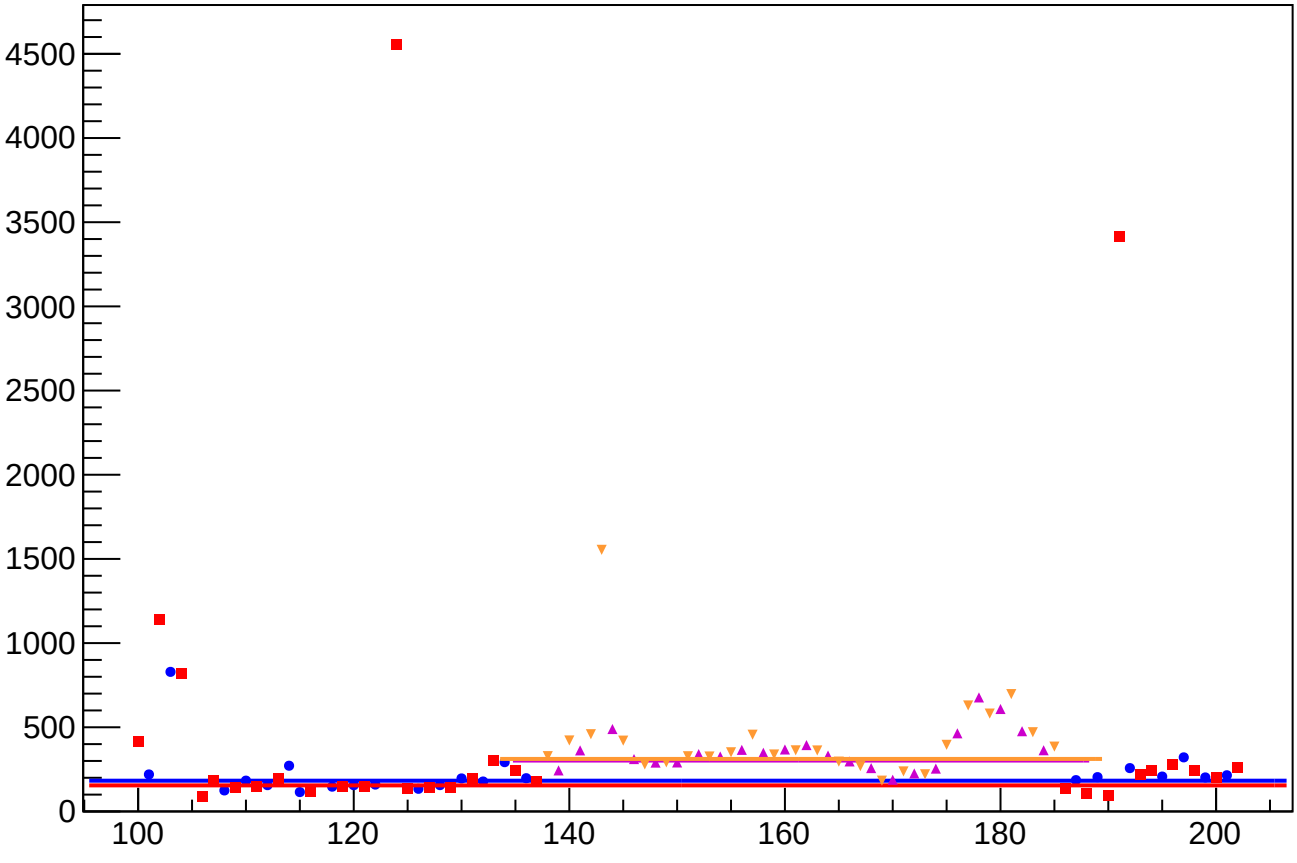
Right Out: -0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.047+/-0.045 χ^2/NDF: 52.2/47

All: -0.011+/-0.030 χ^2/NDF: 123.2/99

- sign 0.016+/-0.040 χ^2/NDF: 69.9/51



Right In: 182.700+/-0.040 χ^2/NDF: 1909246.8/22

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

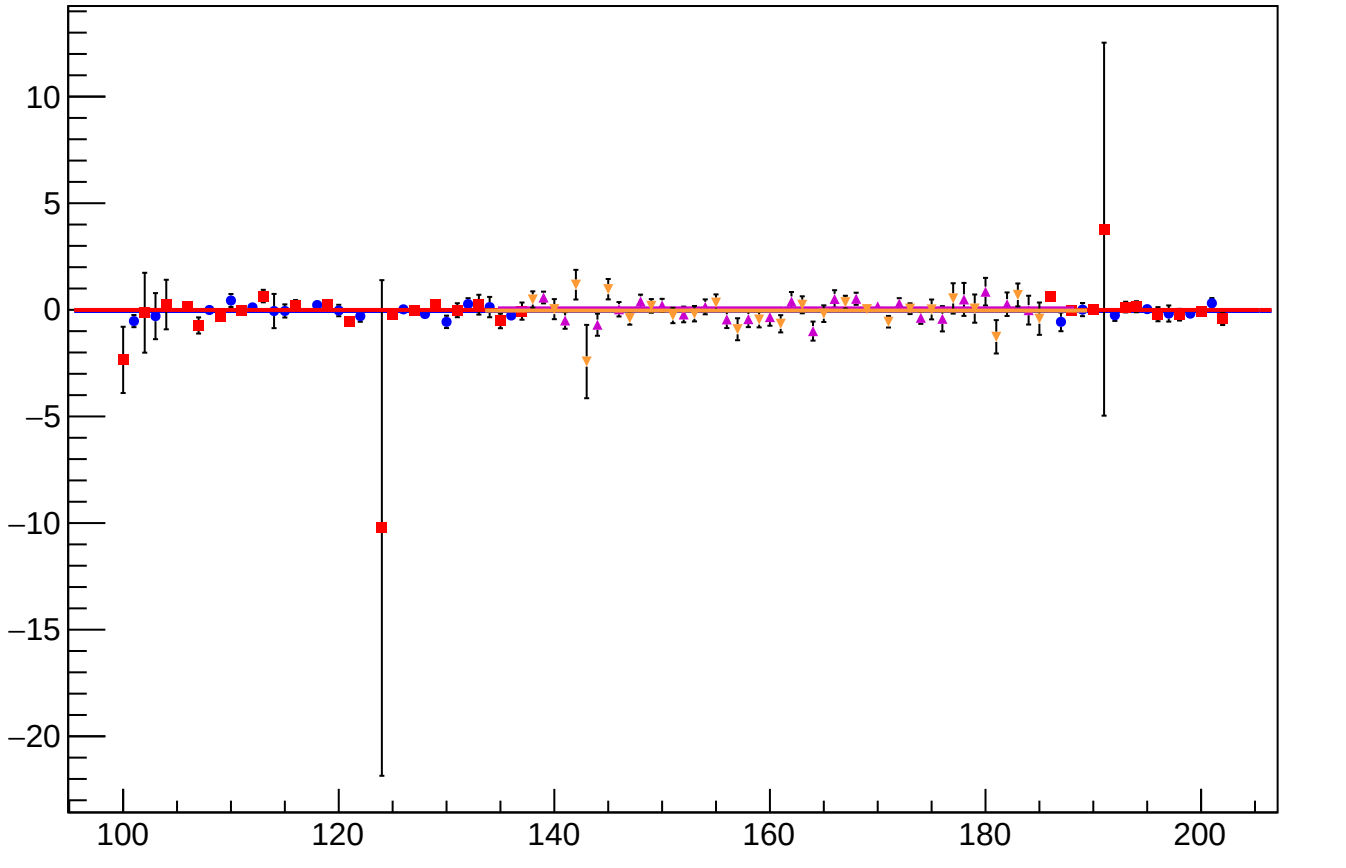
Right Out: 154.901+/-0.033 χ^2/NDF: 4459248.1/28

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.715+/-0.032 χ^2/NDF: 9964084.6/47

All: 209.873+/-0.021 χ^2/NDF: 23365131.7/99

- sign 196.187+/-0.028 χ^2/NDF: 12851514.5/51



Right In: -0.054+/-0.056 χ^2/NDF: 19.6/22

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

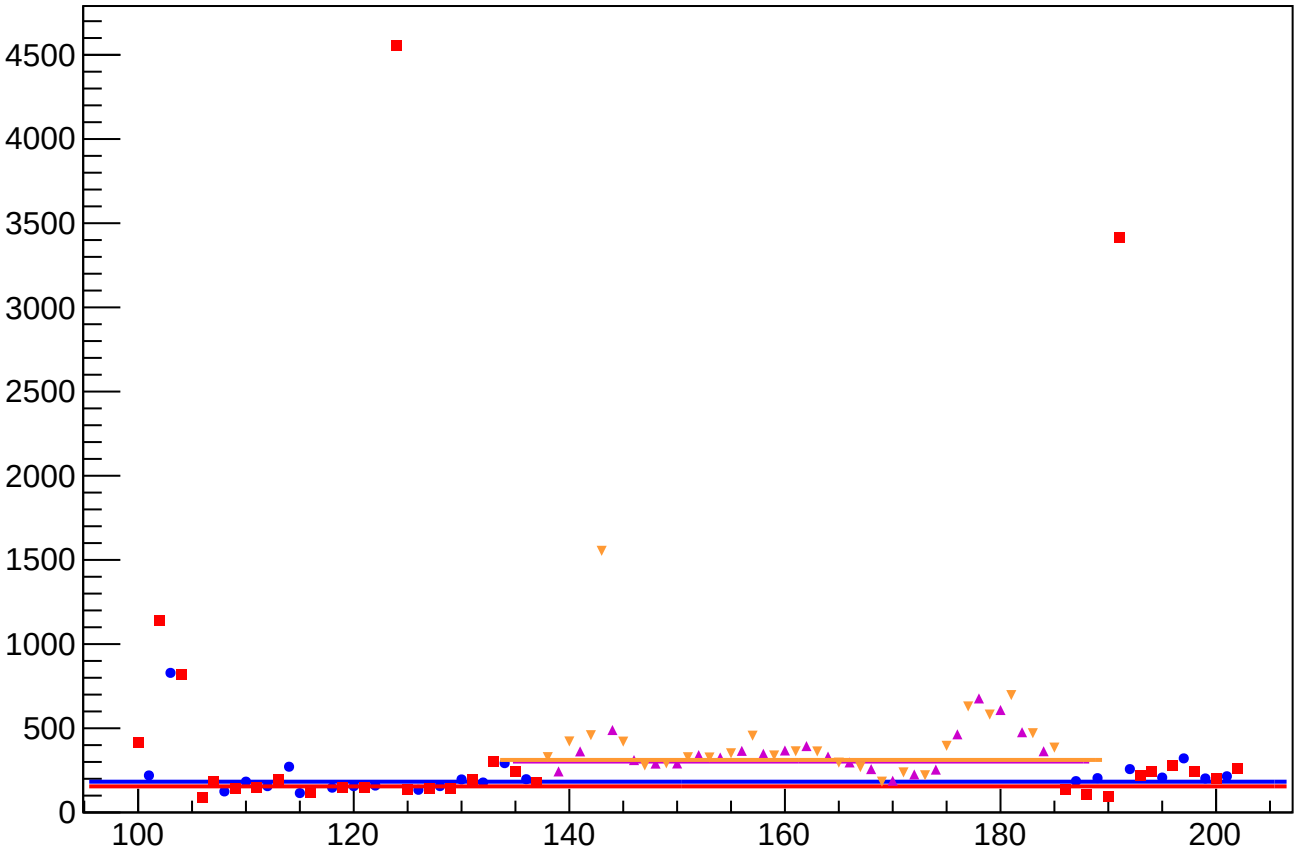
Right Out: -0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.047+/-0.045 χ^2/NDF: 52.2/47

All: -0.011+/-0.030 χ^2/NDF: 123.2/99

- sign 0.016+/-0.040 χ^2/NDF: 69.9/51



Right In: 182.700+/-0.040 χ^2/NDF: 1909246.8/22

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

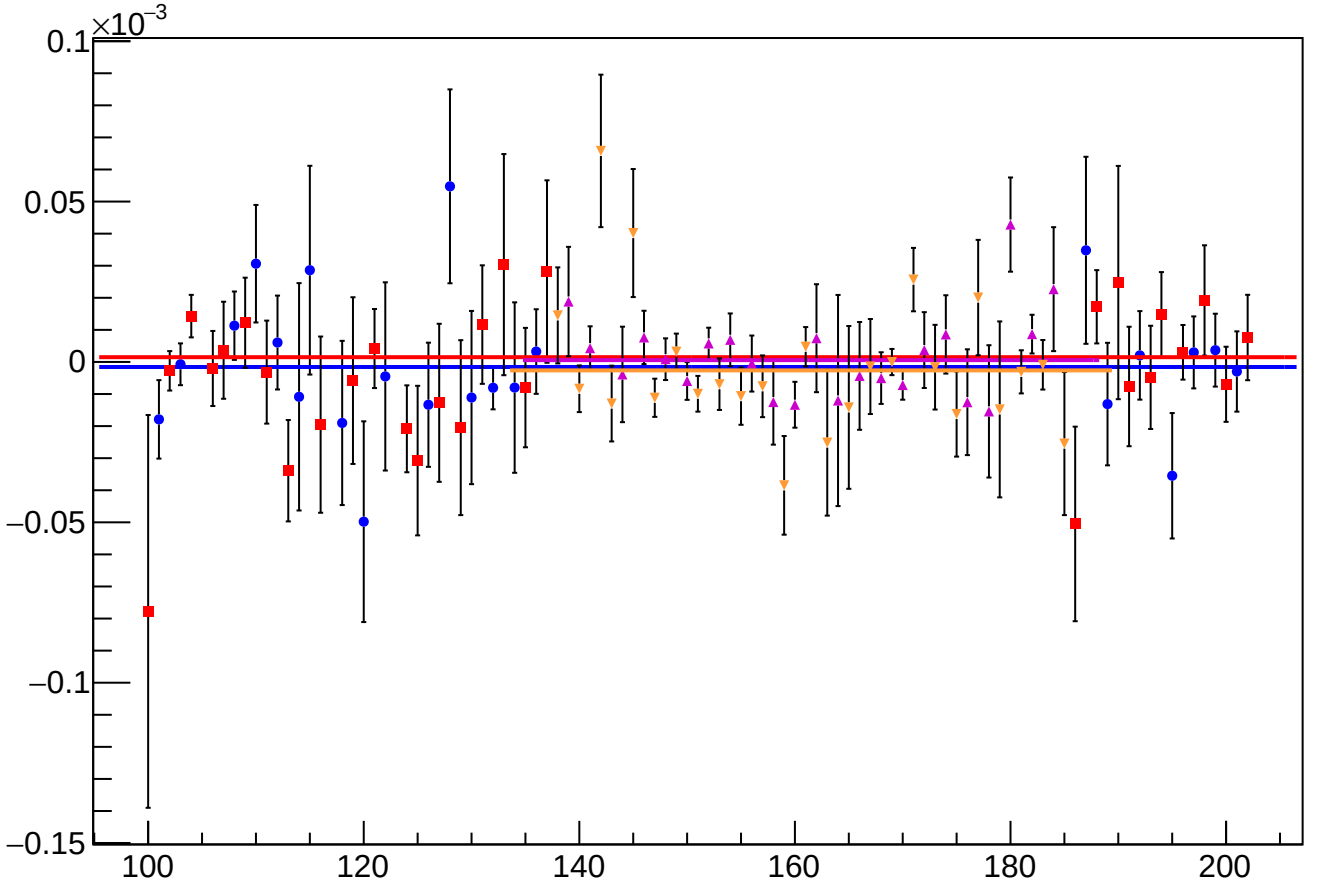
Right Out: 154.901+/-0.033 χ^2/NDF: 4459248.1/28

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.715+/-0.032 χ^2/NDF: 9964084.6/47

All: 209.873+/-0.021 χ^2/NDF: 23365131.7/99

- sign 196.187+/-0.028 χ^2/NDF: 12851514.5/51



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

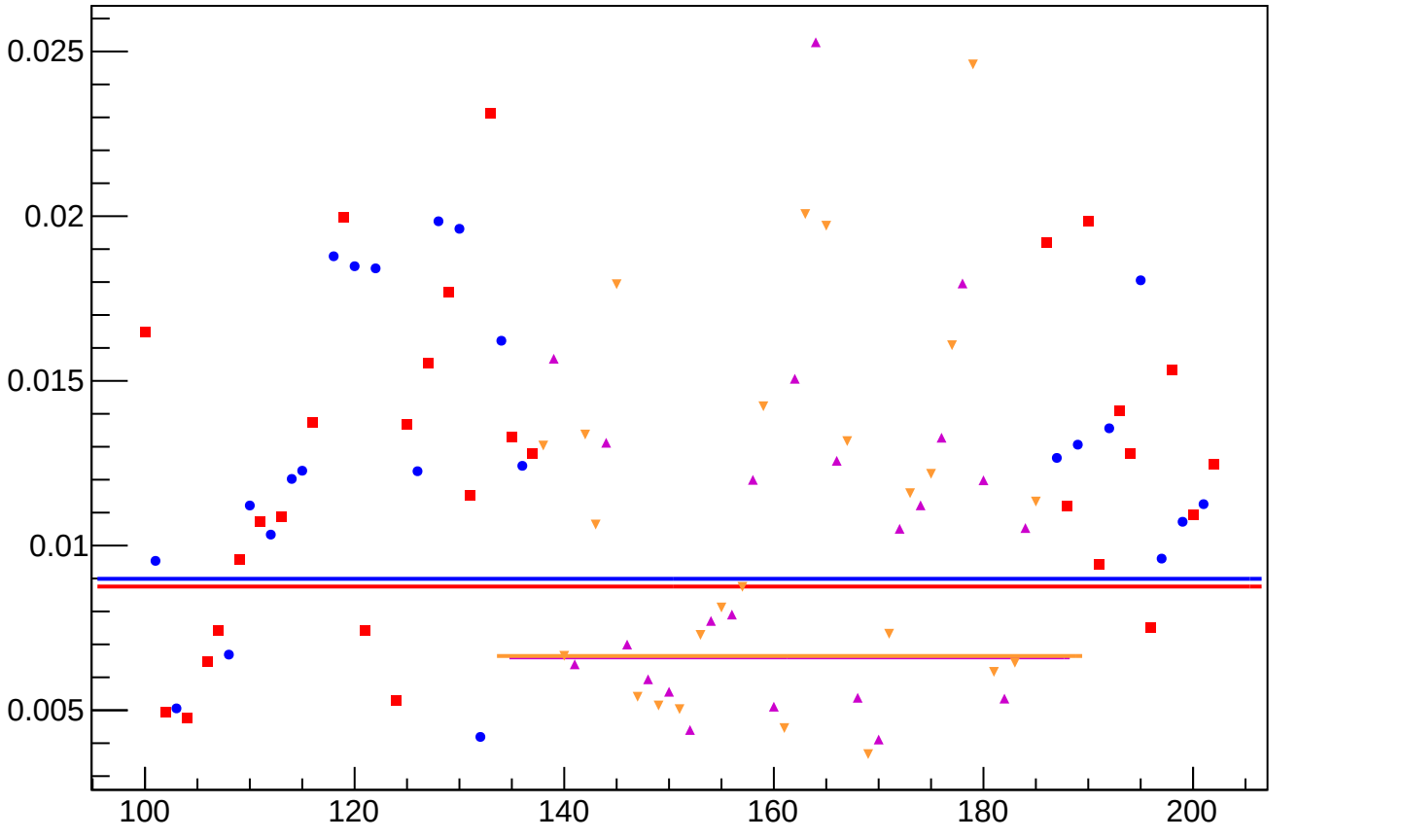
Right Out: 0.000+/-0.000 χ^2/NDF: 28.6/28

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.4/47

All: -0.000+/-0.000 χ^2/NDF: 121.3/99

- sign 0.000+/-0.000 χ^2/NDF: 55.5/51



Right In: 0.009+/-0.000 χ^2/NDF: 4404217.1/22

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

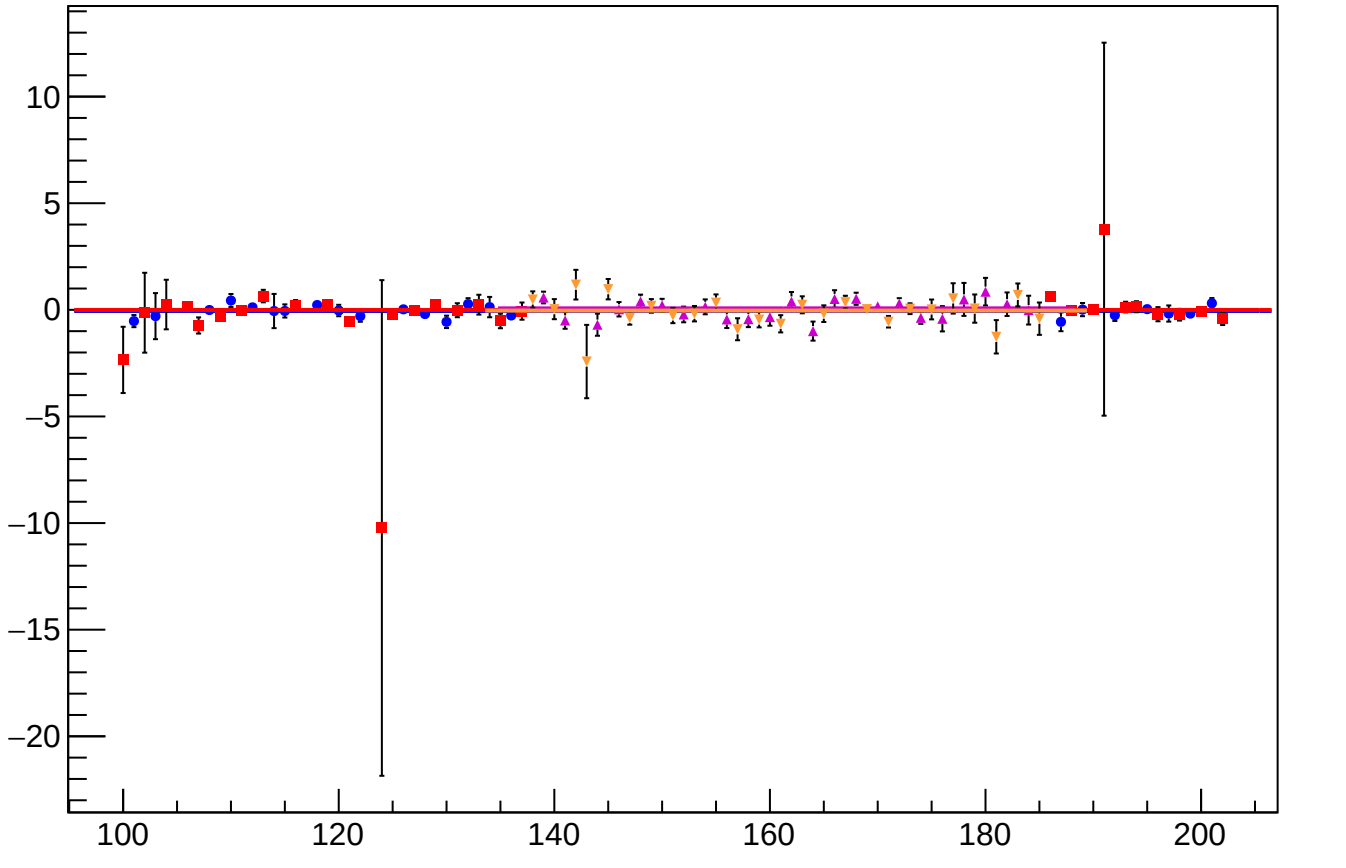
Right Out: 0.009+/-0.000 χ^2/NDF: 4767078.5/28

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 12887540.2/47

All: 0.007+/-0.000 χ^2/NDF: 24467918.5/99

- sign 0.007+/-0.000 χ^2/NDF: 11579784.5/51



Right In: -0.054+/-0.056 χ^2/NDF: 19.6/22

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

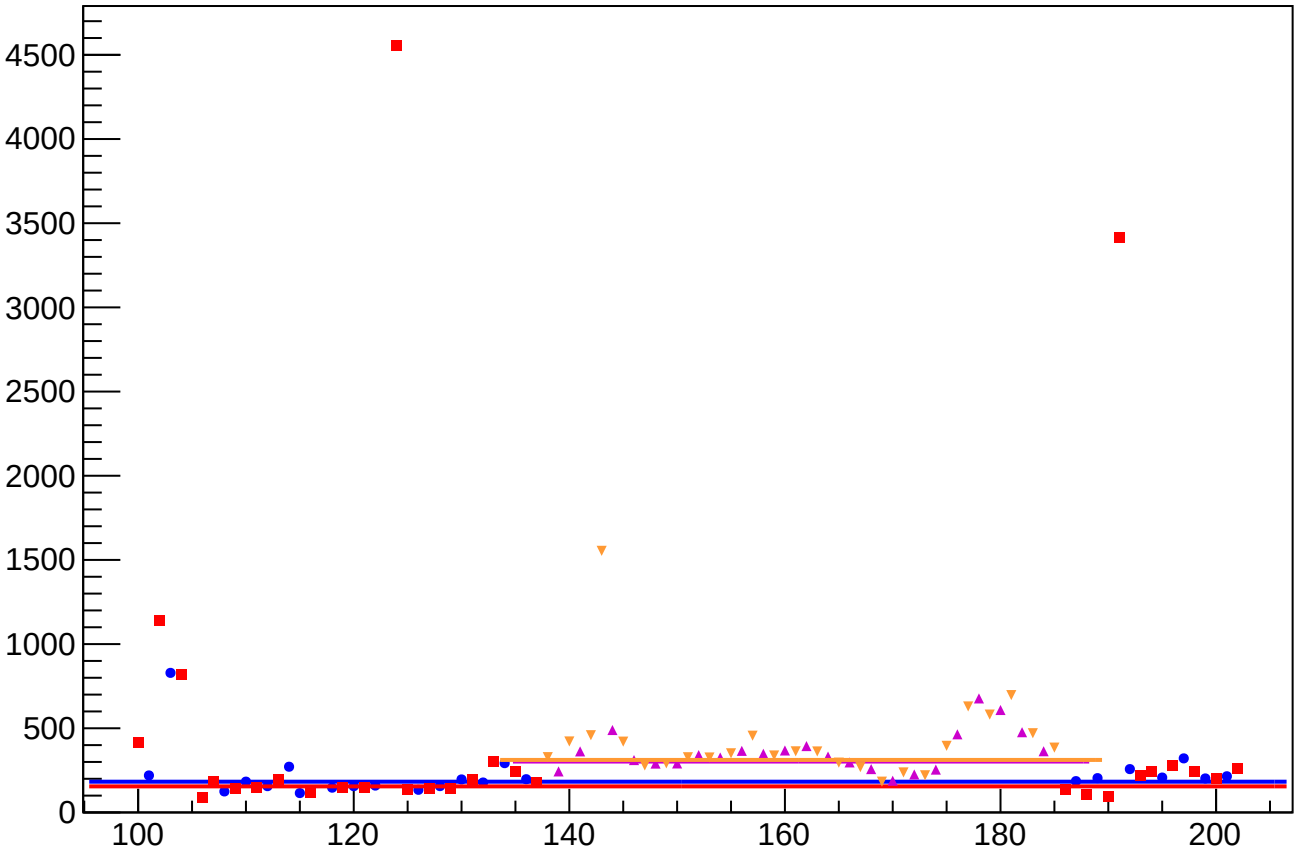
Right Out: -0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.047+/-0.045 χ^2/NDF: 52.2/47

All: -0.011+/-0.030 χ^2/NDF: 123.2/99

- sign 0.016+/-0.040 χ^2/NDF: 69.9/51



Right In: 182.699+/-0.040 χ^2/NDF: 1909245.0/22

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

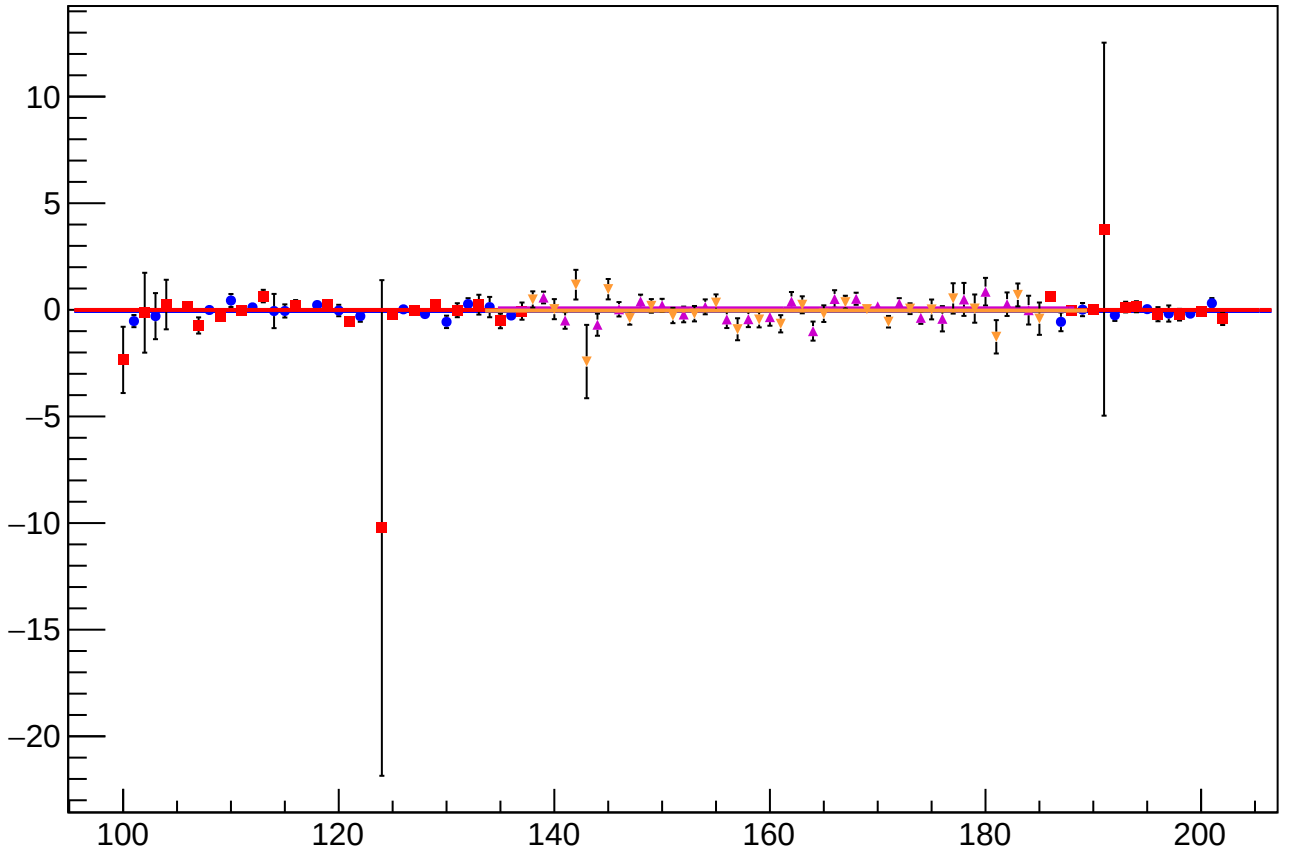
Right Out: 154.898+/-0.033 χ^2/NDF: 4459443.5/28

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 227.714+/-0.032 χ^2/NDF: 9964317.5/47

All: 209.870+/-0.021 χ^2/NDF: 23366154.5/99

- sign 196.184+/-0.028 χ^2/NDF: 12852202.2/51



Right In: -0.054+/-0.056 χ^2/NDF: 19.6/22

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

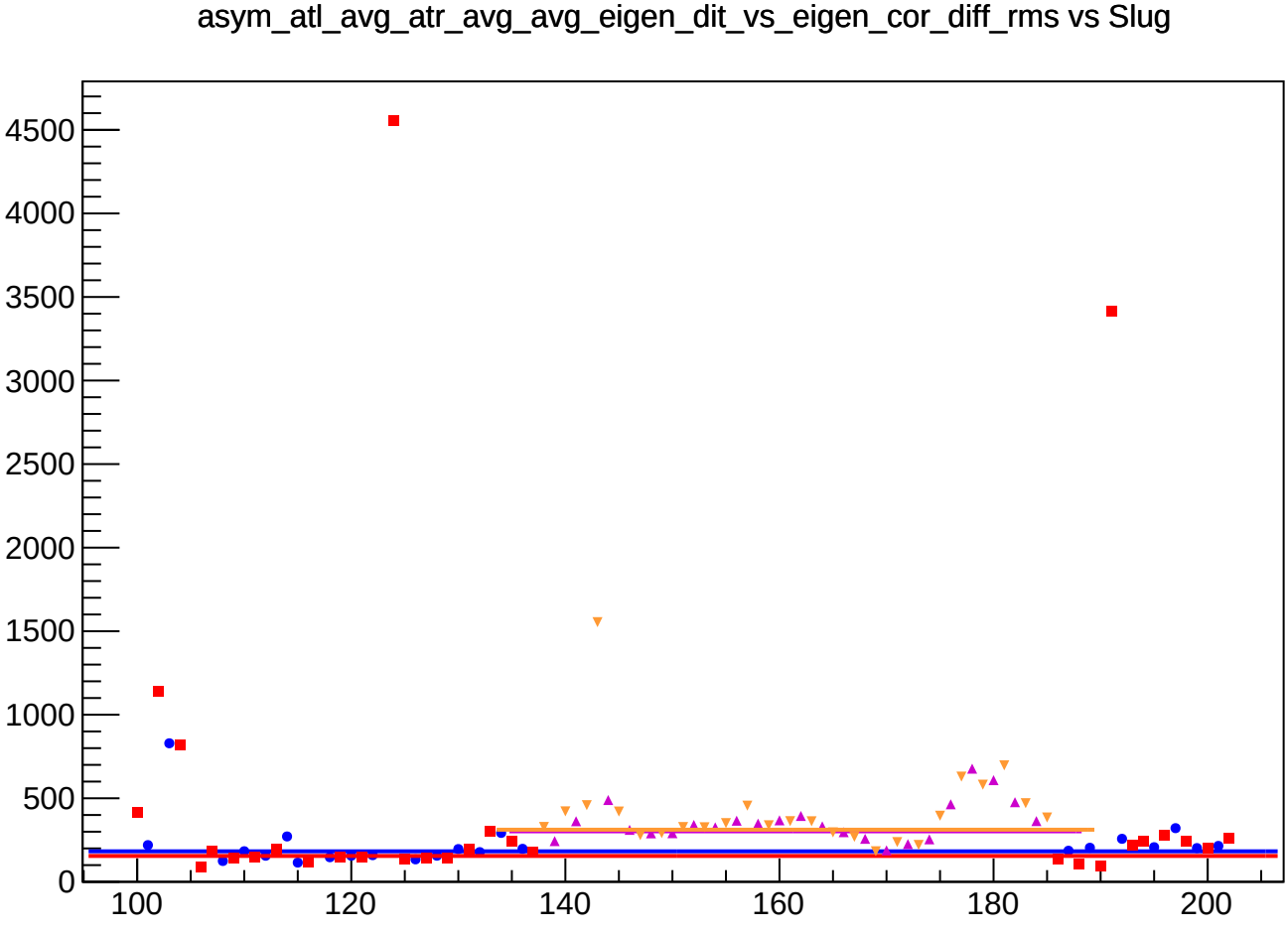
Right Out: -0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.047+/-0.045 χ^2/NDF: 52.2/47

All: -0.011+/-0.030 χ^2/NDF: 123.2/99

- sign 0.016+/-0.040 χ^2/NDF: 69.9/51



Right In: 182.699+/-0.040 χ^2/NDF: 1909245.0/22

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

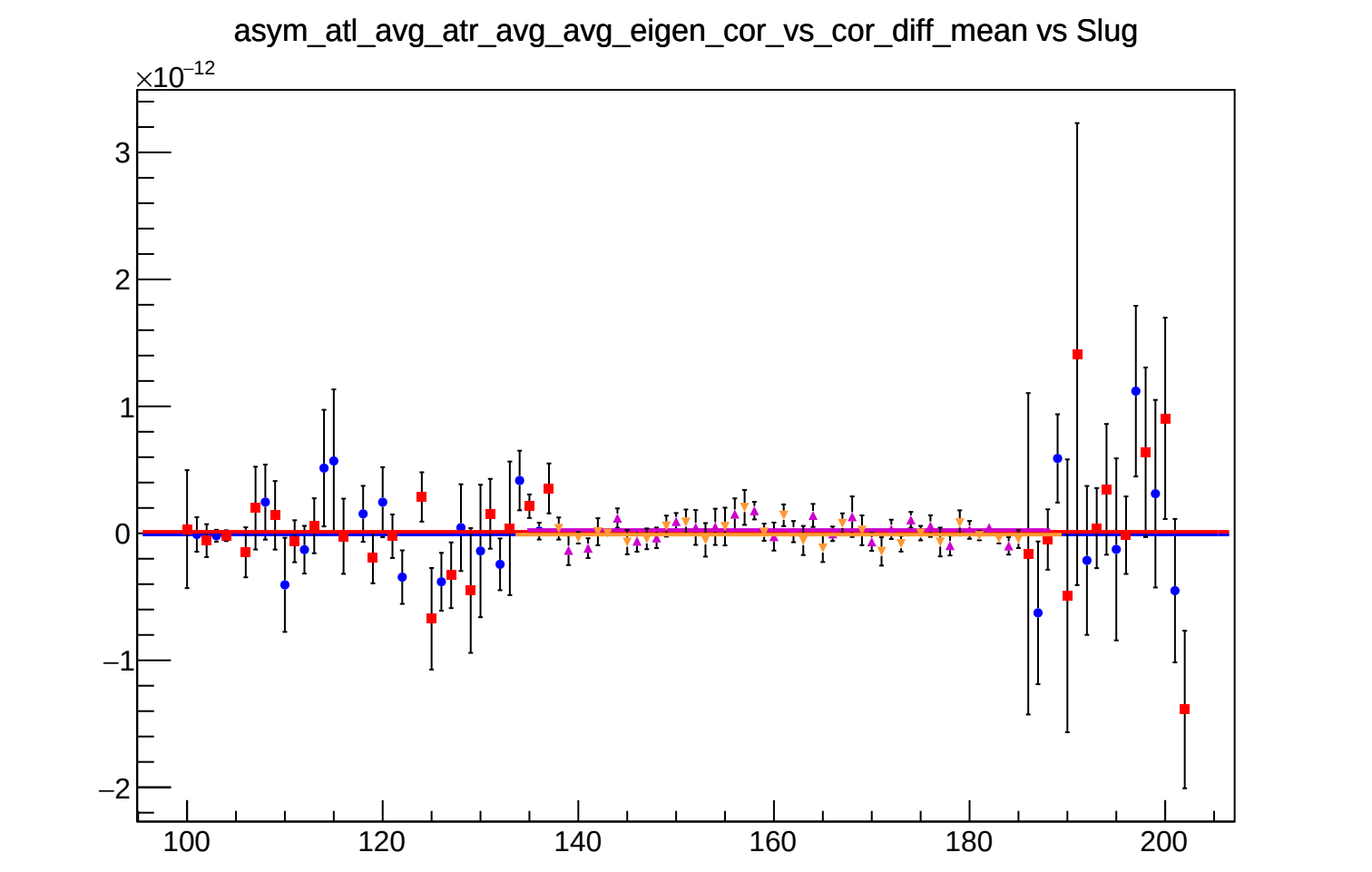
Right Out: 154.898+/-0.033 χ^2/NDF: 4459443.5/28

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 227.714+/-0.032 χ^2/NDF: 9964317.5/47

All: 209.870+/-0.021 χ^2/NDF: 23366154.5/99

- sign 196.184+/-0.028 χ^2/NDF: 12852202.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

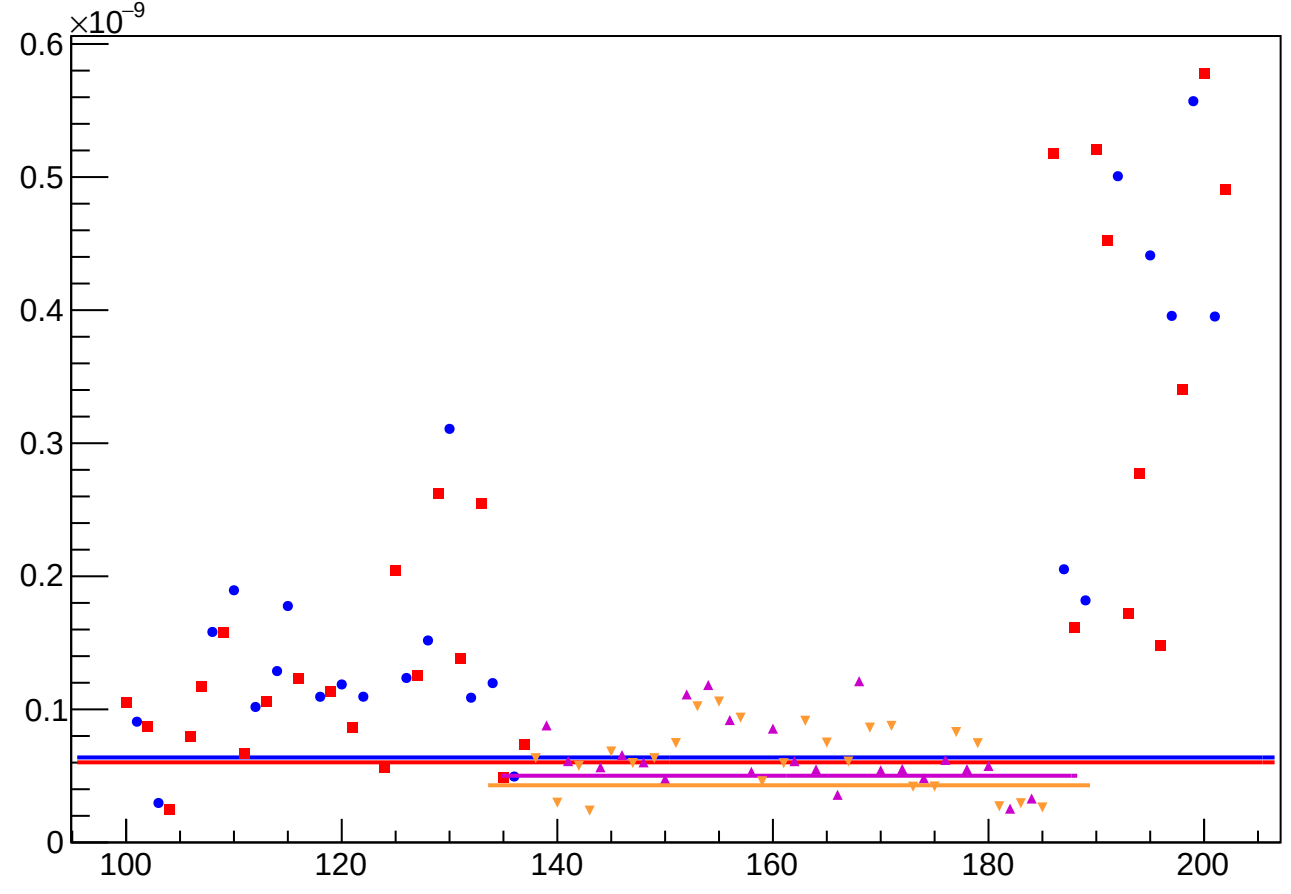
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/28

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.3/47

All: 0.000+/-0.000 χ^2/NDF: 98.7/99

- sign 0.000+/-0.000 χ^2/NDF: 55.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 7152222.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7440740.4/28

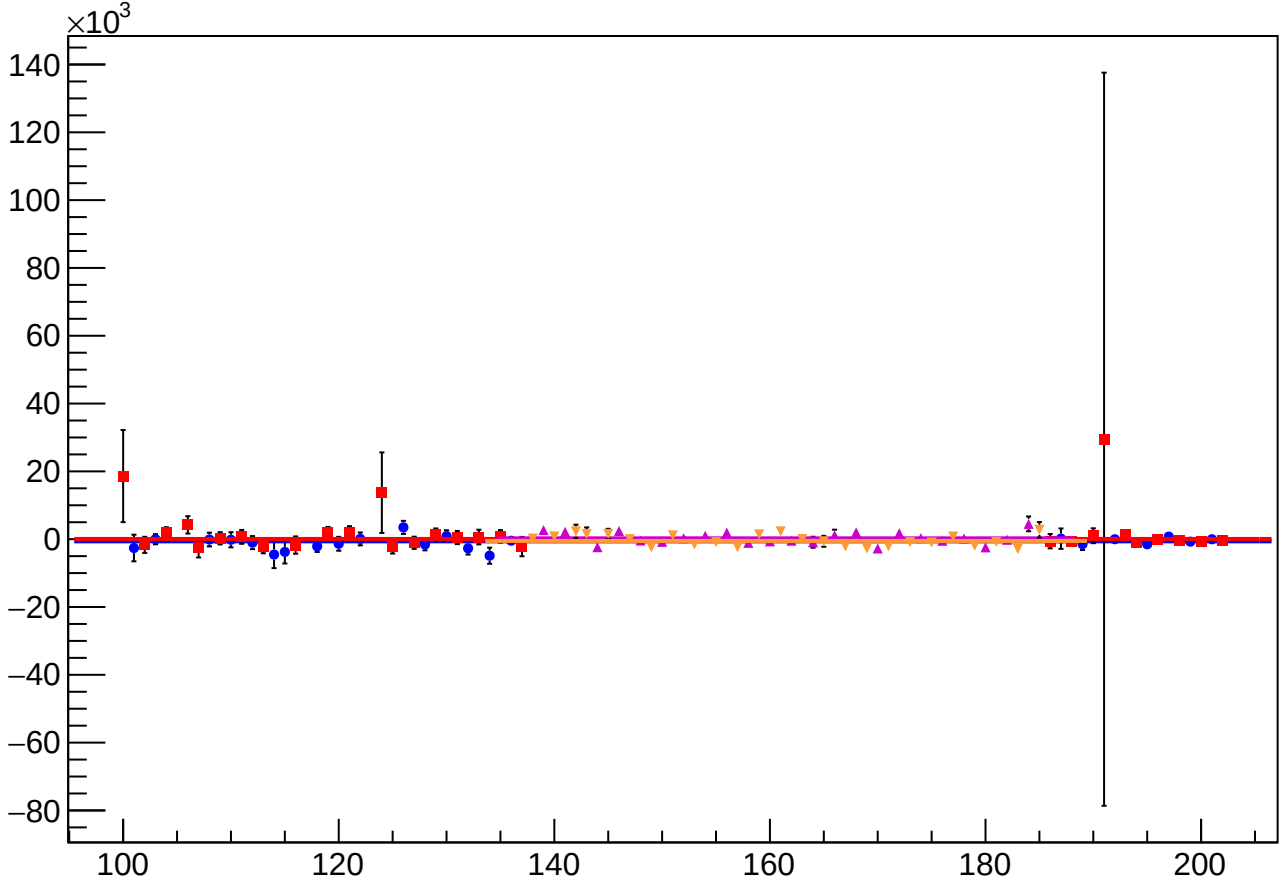
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12934140.7/47

All: 0.000+/-0.000 χ^2/NDF: 24377394.2/99

- sign 0.000+/-0.000 χ^2/NDF: 11224419.9/51

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -636.481+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 72.257+/-345.911 χ^2/NDF: 18.6/28

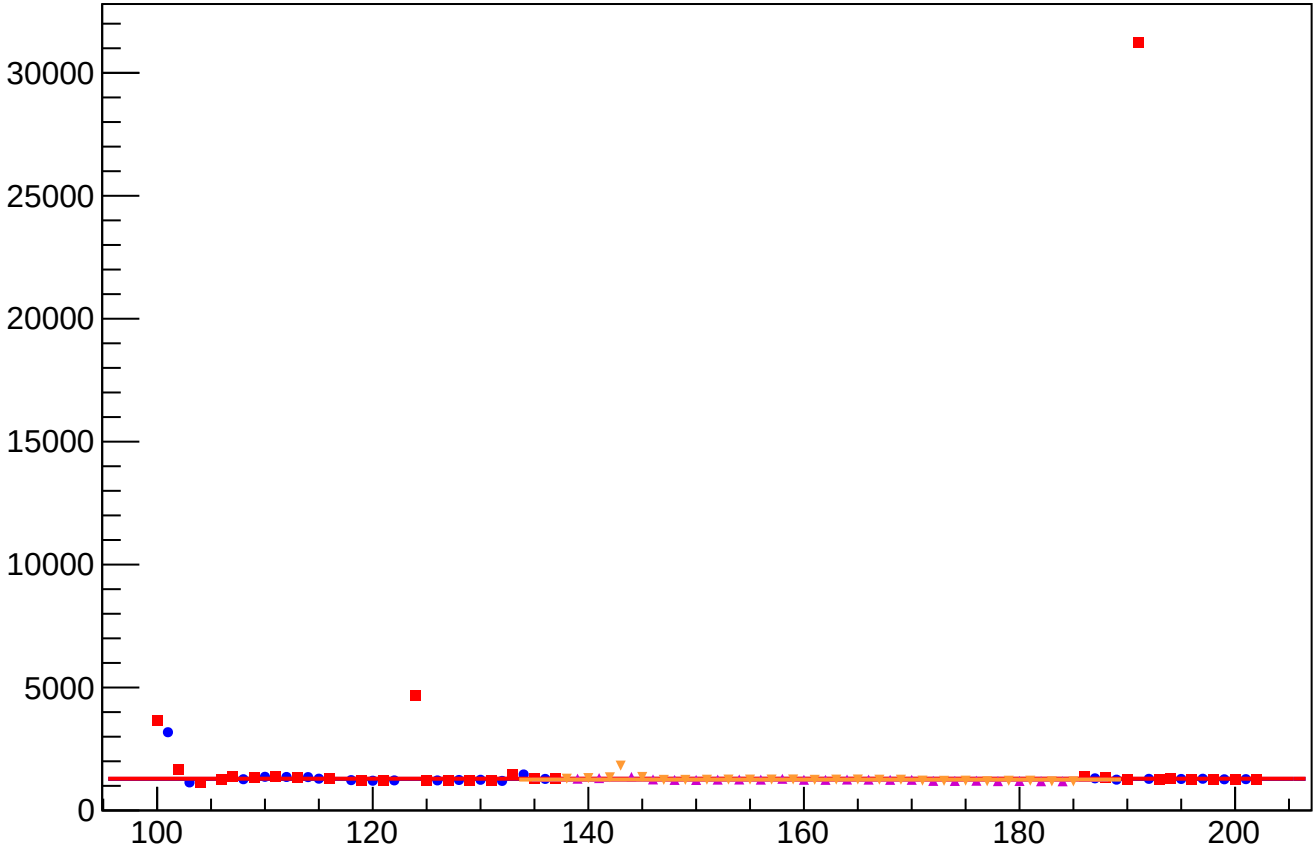
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -560.246+/-226.039 χ^2/NDF: 46.6/47

All: -188.763+/-158.661 χ^2/NDF: 102.7/99

- sign 172.009+/-222.757 χ^2/NDF: 50.8/51

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1282.377+/-0.261 χ^2/NDF: 519381.9/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

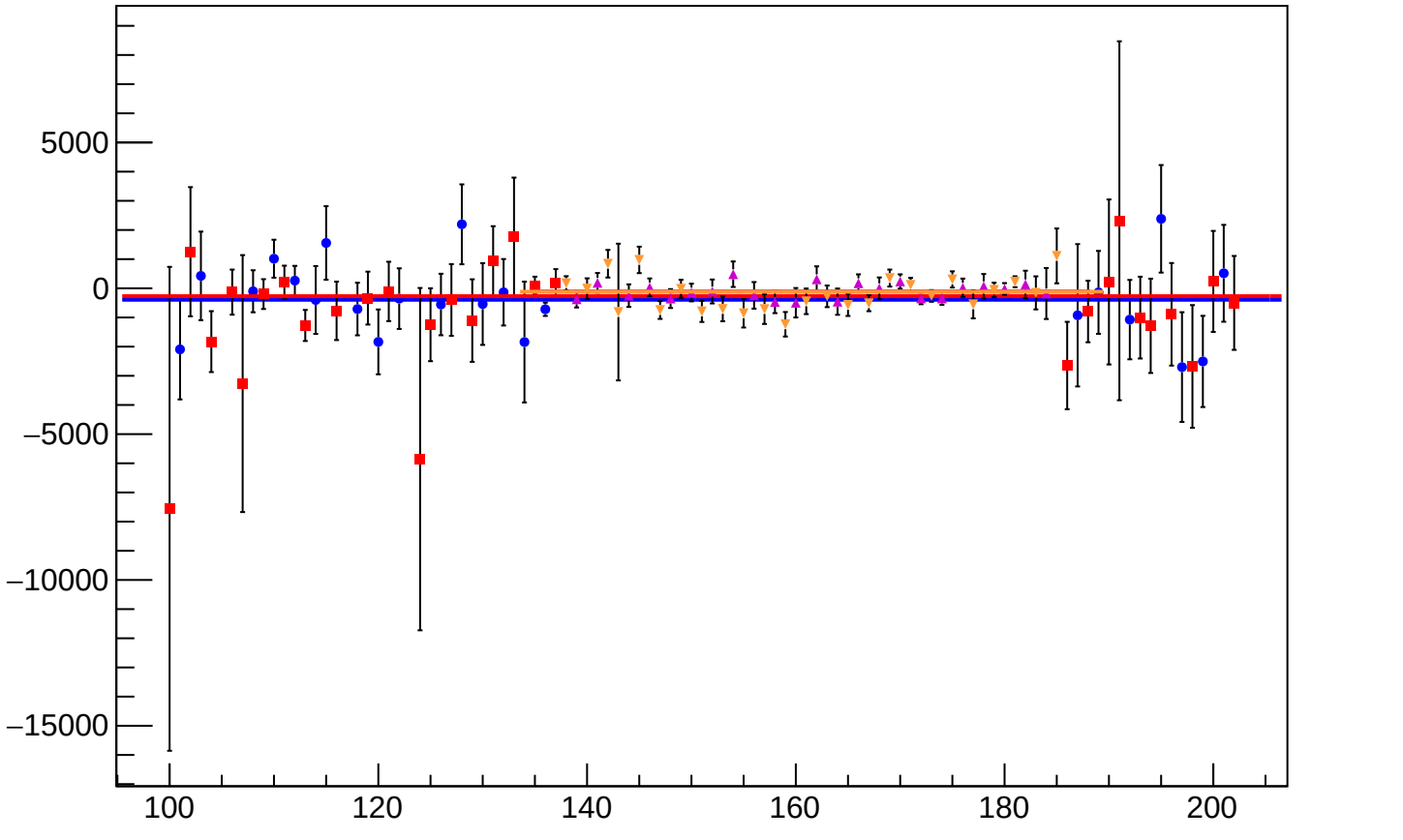
Right Out: 1292.268+/-0.245 χ^2/NDF: 491862.7/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.591+/-0.160 χ^2/NDF: 729127.1/47

All: 1265.491+/-0.112 χ^2/NDF: 1281470.8/99

- sign 1265.395+/-0.158 χ^2/NDF: 552342.9/51



Right In: -392.238+/-162.445 χ^2/NDF: 24.4/22

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -270.303+/-161.310 χ^2/NDF: 20.1/28

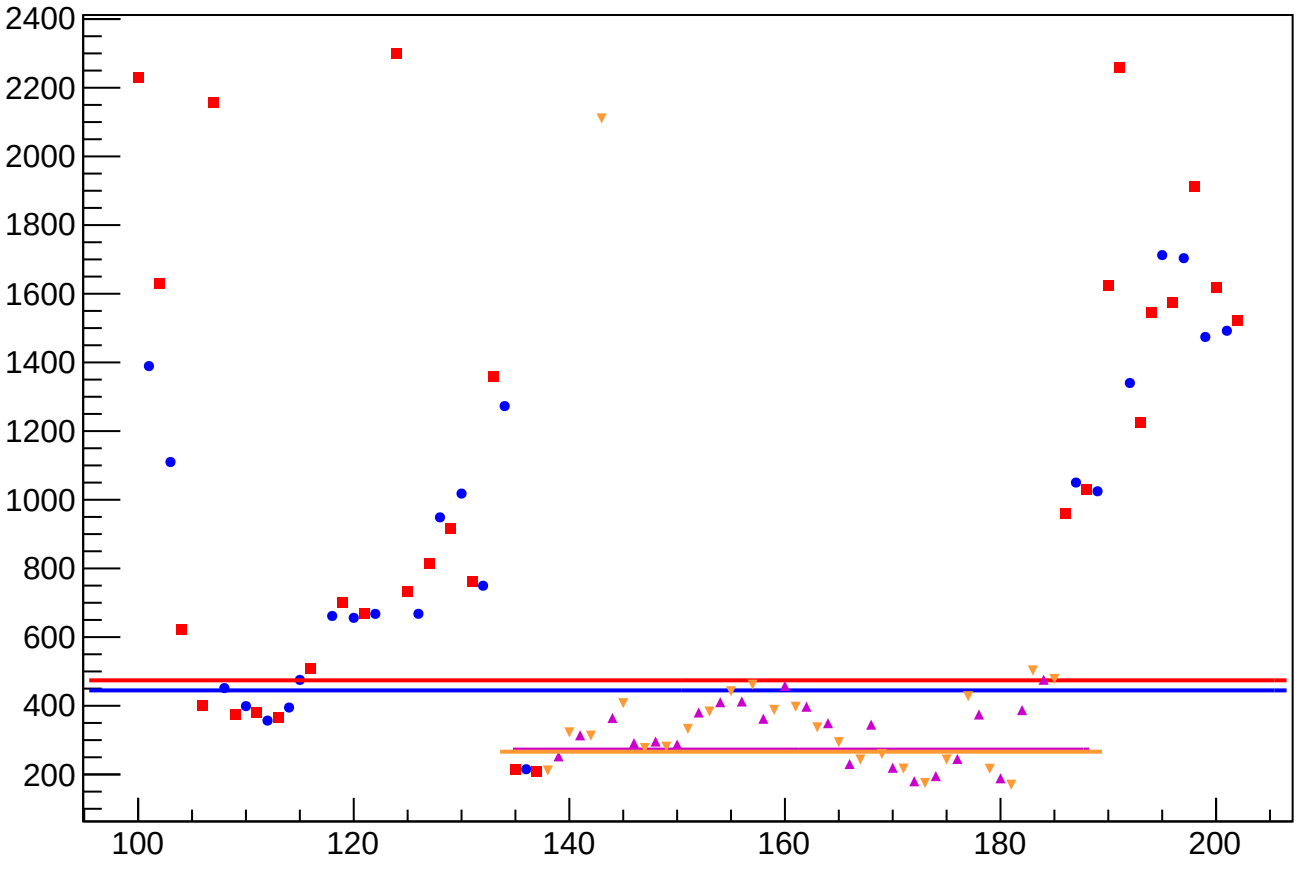
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -155.070+/-60.395 χ^2/NDF: 75.3/47

All: -143.482+/-43.220 χ^2/NDF: 110.0/99

\- sign -131.319+/-61.876 χ^2/NDF: 34.7/51

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 444.818+/-0.115 χ^2/NDF: 9339710.8/22

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 474.093+/-0.114 χ^2/NDF: 10784427.7/28

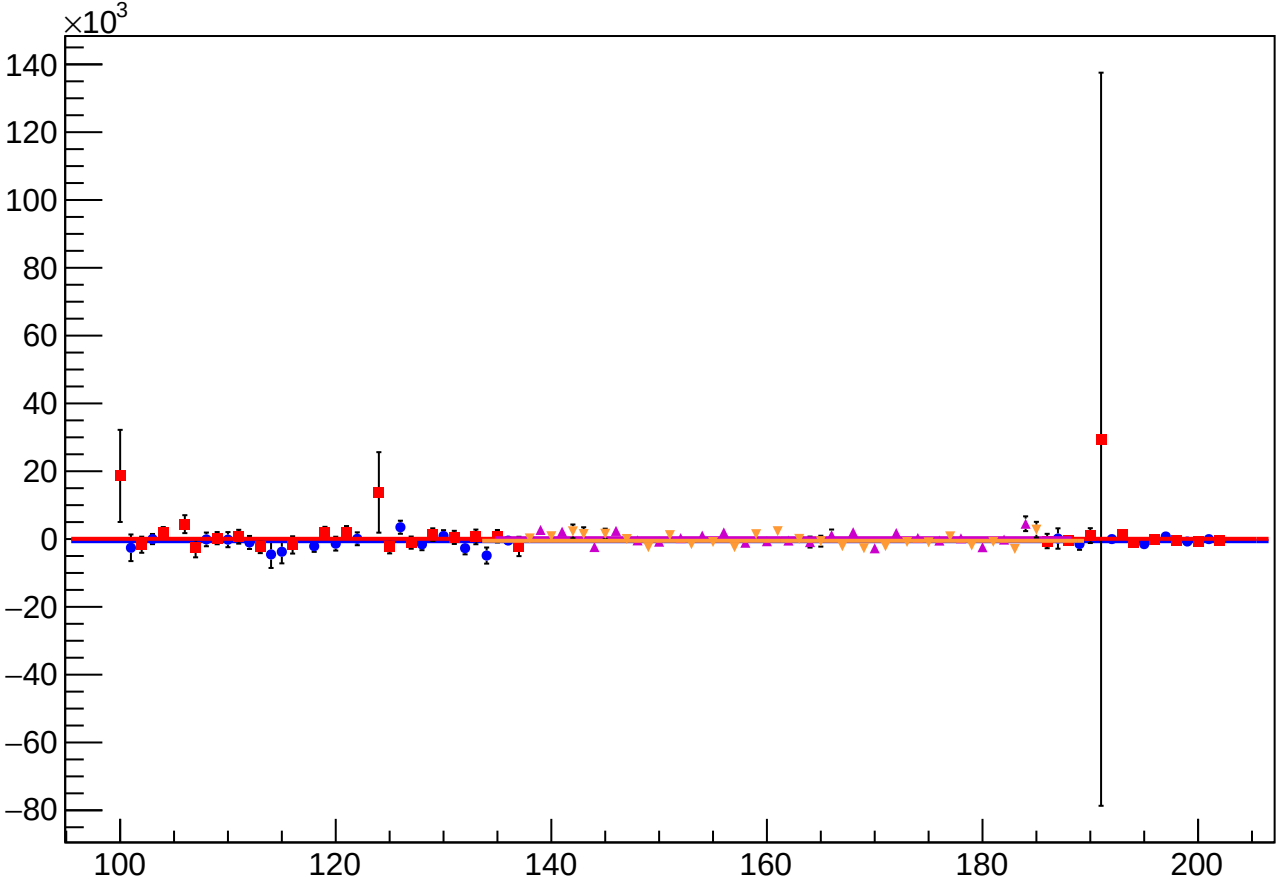
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 290.994+/-0.043 χ^2/NDF: 16050848.0/47

All: 296.388+/-0.031 χ^2/NDF: 32423303.8/99

- sign 302.049+/-0.044 χ^2/NDF: 16339762.9/51

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -636.294+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 70.608+/-346.100 χ^2/NDF: 18.7/28

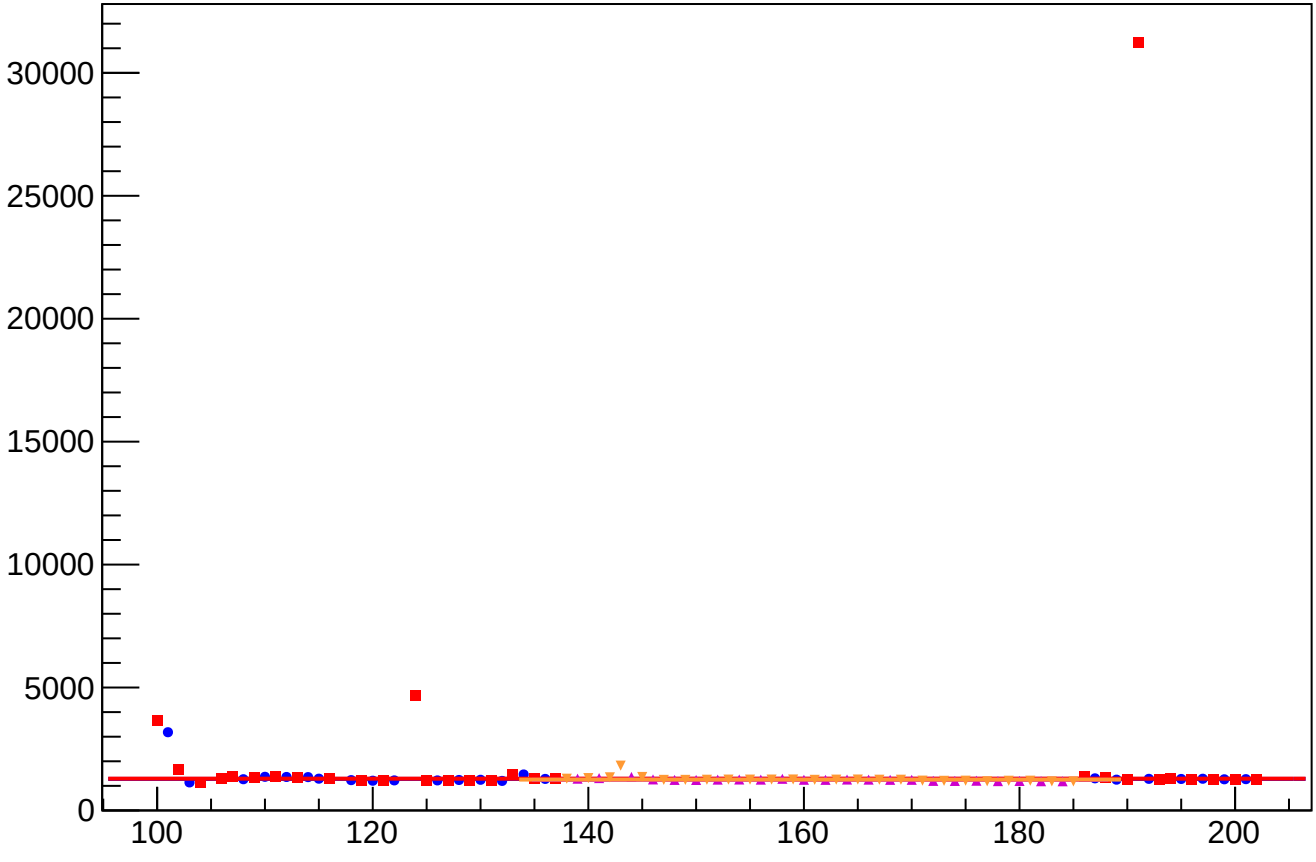
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -560.142+/-226.039 χ^2/NDF: 46.6/47

All: -189.125+/-158.679 χ^2/NDF: 102.8/99

- sign 171.358+/-222.807 χ^2/NDF: 50.9/51

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1282.377+/-0.261 χ^2/NDF: 519383.3/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

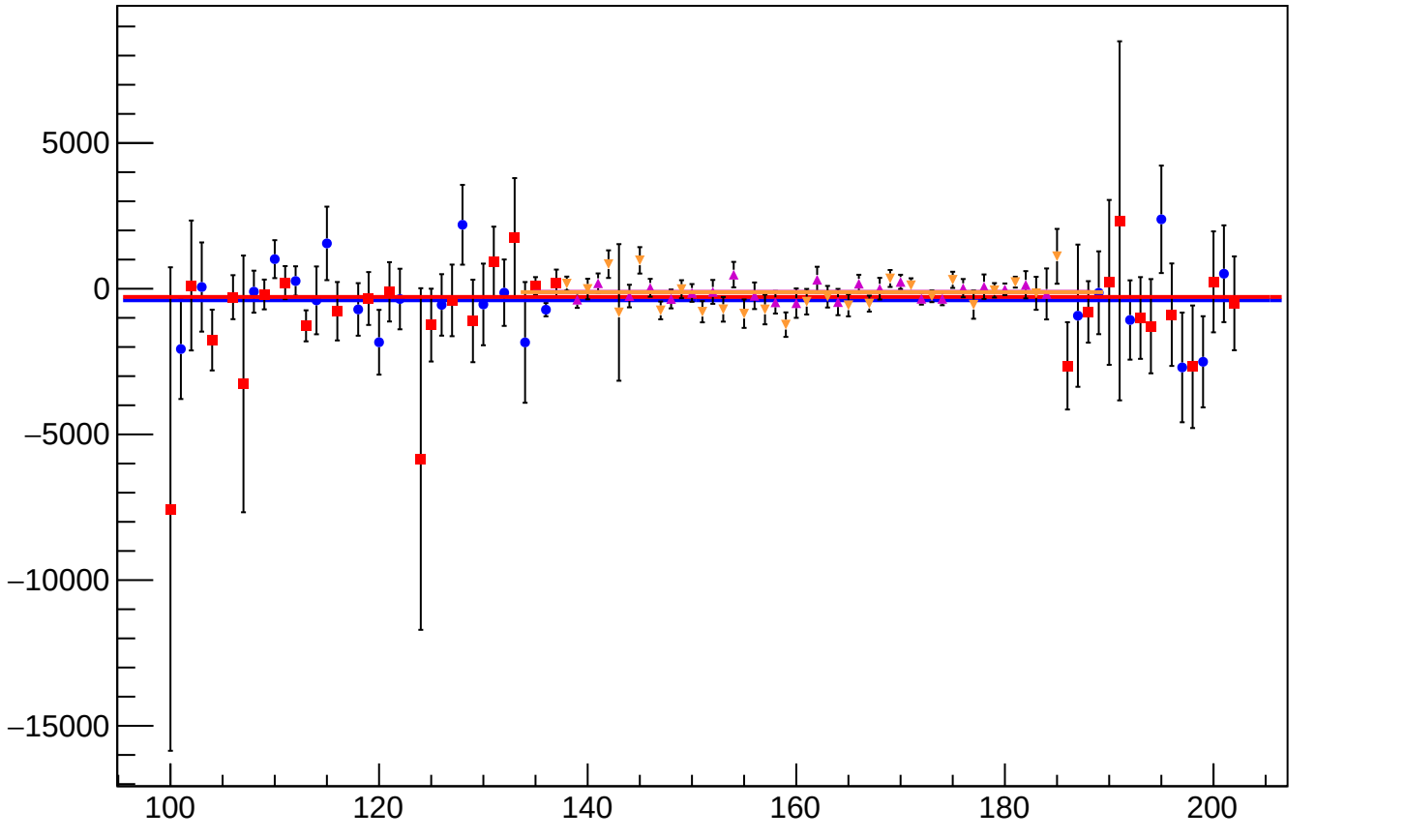
Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.590+/-0.160 χ^2/NDF: 729128.4/47

All: 1265.639+/-0.112 χ^2/NDF: 1281890.3/99

- sign 1265.685+/-0.158 χ^2/NDF: 552761.7/51



Right In: -396.395+/-162.462 χ^2/NDF: 24.2/22

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

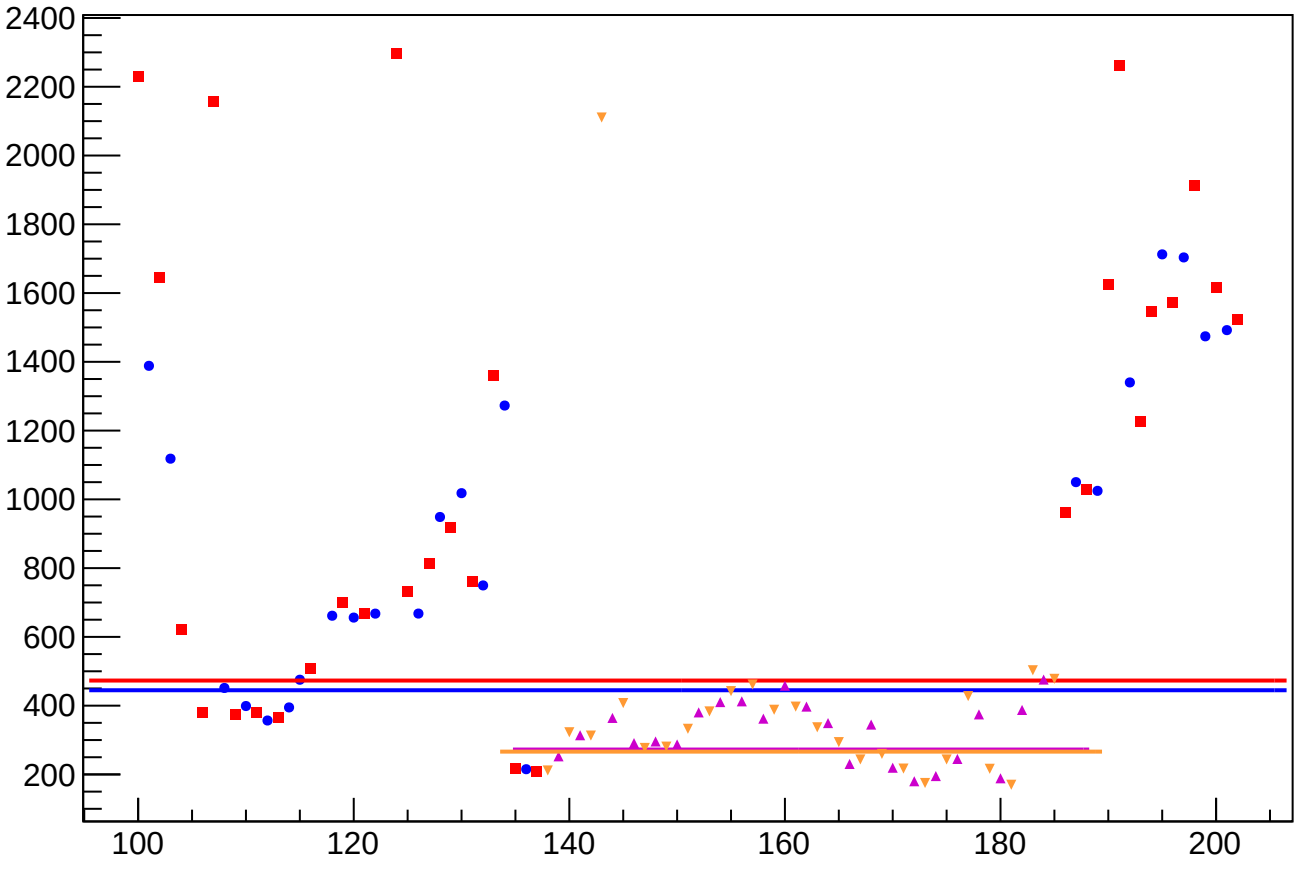
Right Out: -282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

\+ sign -155.616+/-60.397 χ^2/NDF: 75.2/47

All: -144.677+/-43.218 χ^2/NDF: 109.4/99

\- sign -133.200+/-61.868 χ^2/NDF: 34.1/51



Right In: 444.824+/-0.115 χ^2/NDF: 9342865.2/22

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

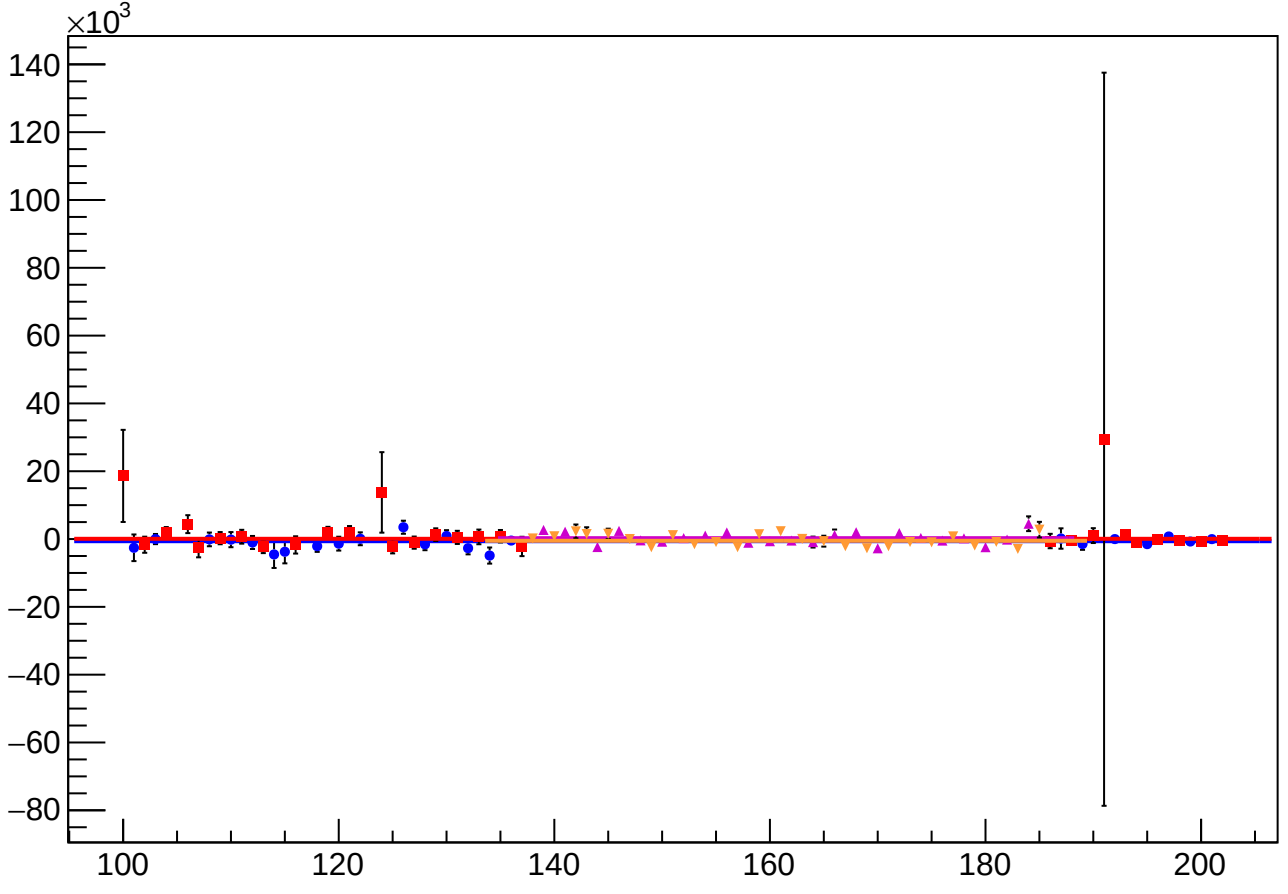
Right Out: 473.051+/-0.114 χ^2/NDF: 10803259.3/28

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 290.996+/-0.043 χ^2/NDF: 16053661.2/47

All: 296.345+/-0.031 χ^2/NDF: 32421178.8/99

- sign 301.958+/-0.044 χ^2/NDF: 16335365.5/51



Right In: -636.294+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 70.608+/-346.100 χ^2/NDF: 18.7/28

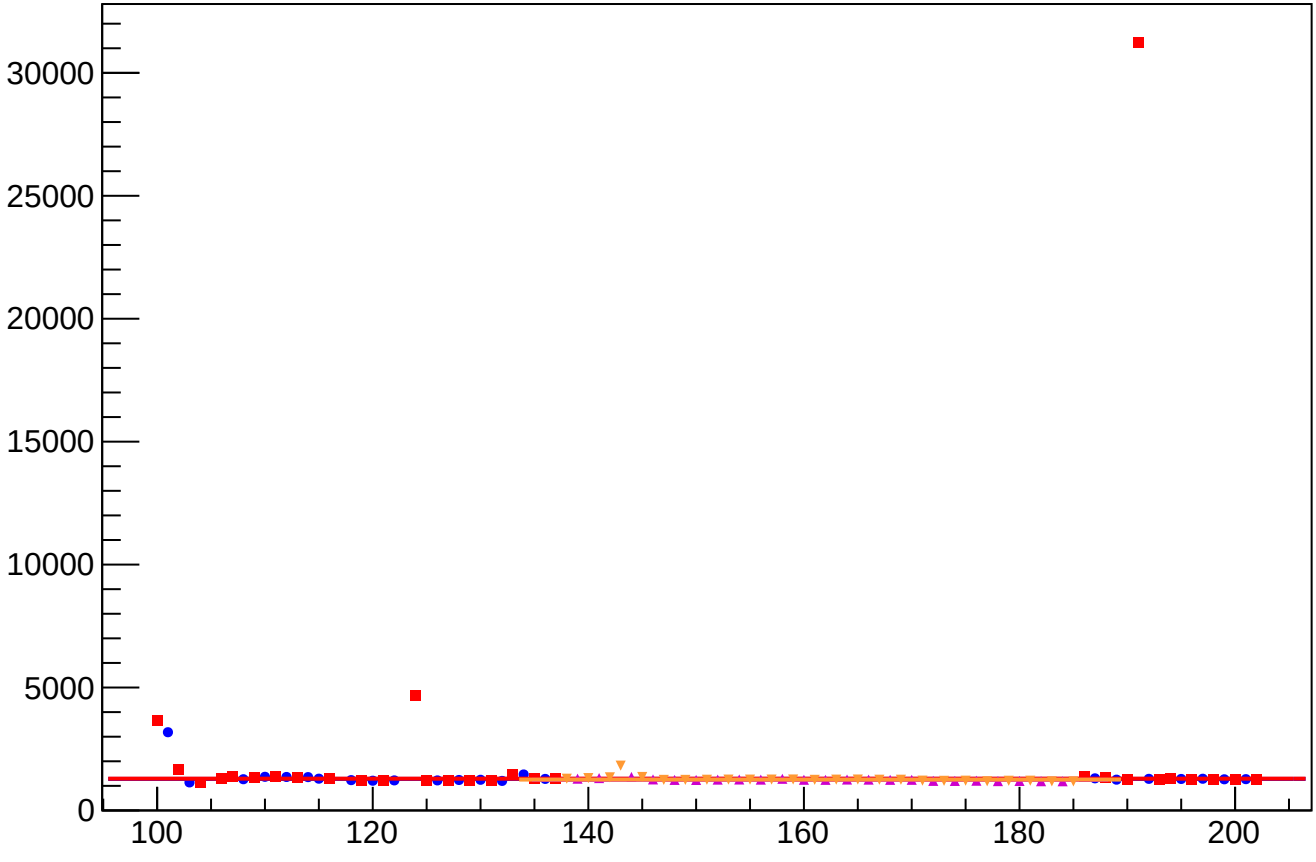
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -560.142+/-226.039 χ^2/NDF: 46.6/47

All: -189.125+/-158.679 χ^2/NDF: 102.8/99

- sign 171.358+/-222.807 χ^2/NDF: 50.9/51

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1282.377+/-0.261 χ^2/NDF: 519383.3/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

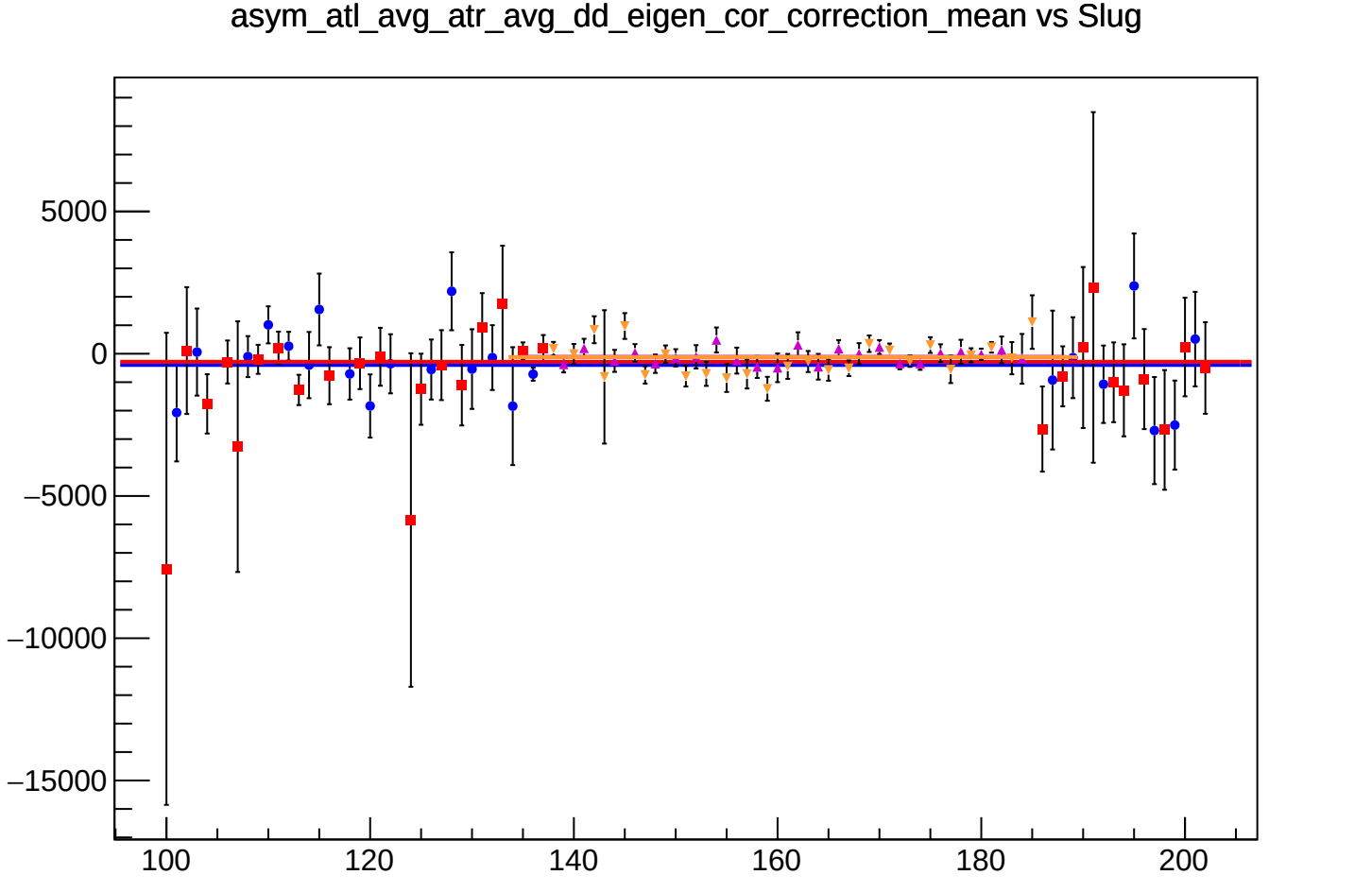
Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.590+/-0.160 χ^2/NDF: 729128.4/47

All: 1265.639+/-0.112 χ^2/NDF: 1281890.3/99

- sign 1265.685+/-0.158 χ^2/NDF: 552761.7/51



Right In: -396.395+/-162.462 χ^2/NDF: 24.2/22

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

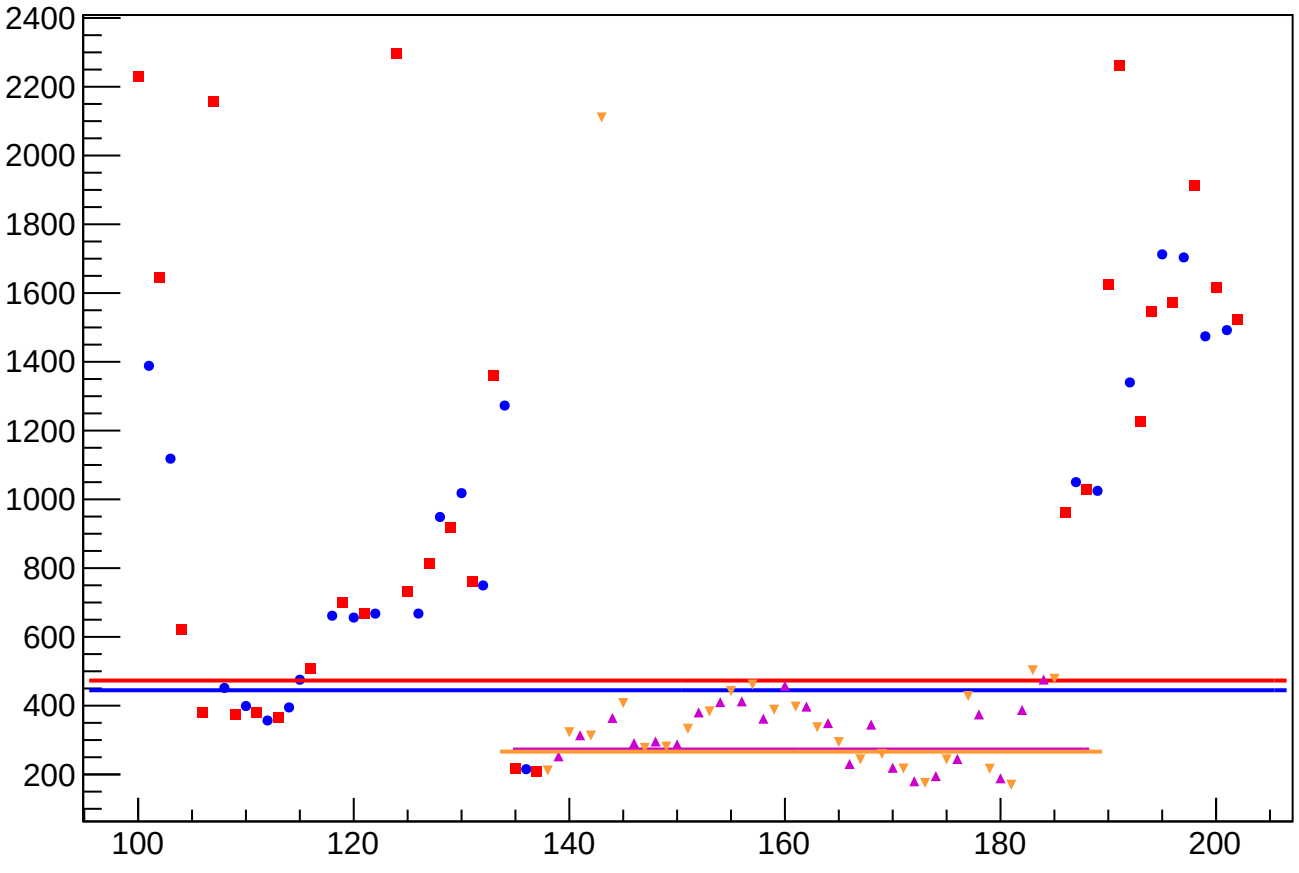
Right Out: -282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -155.616+/-60.397 χ^2/NDF: 75.2/47

All: -144.677+/-43.218 χ^2/NDF: 109.4/99

- sign -133.200+/-61.868 χ^2/NDF: 34.1/51



Right In: 444.824+/-0.115 χ^2/NDF: 9342865.2/22

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 473.051+/-0.114 χ^2/NDF: 10803259.3/28

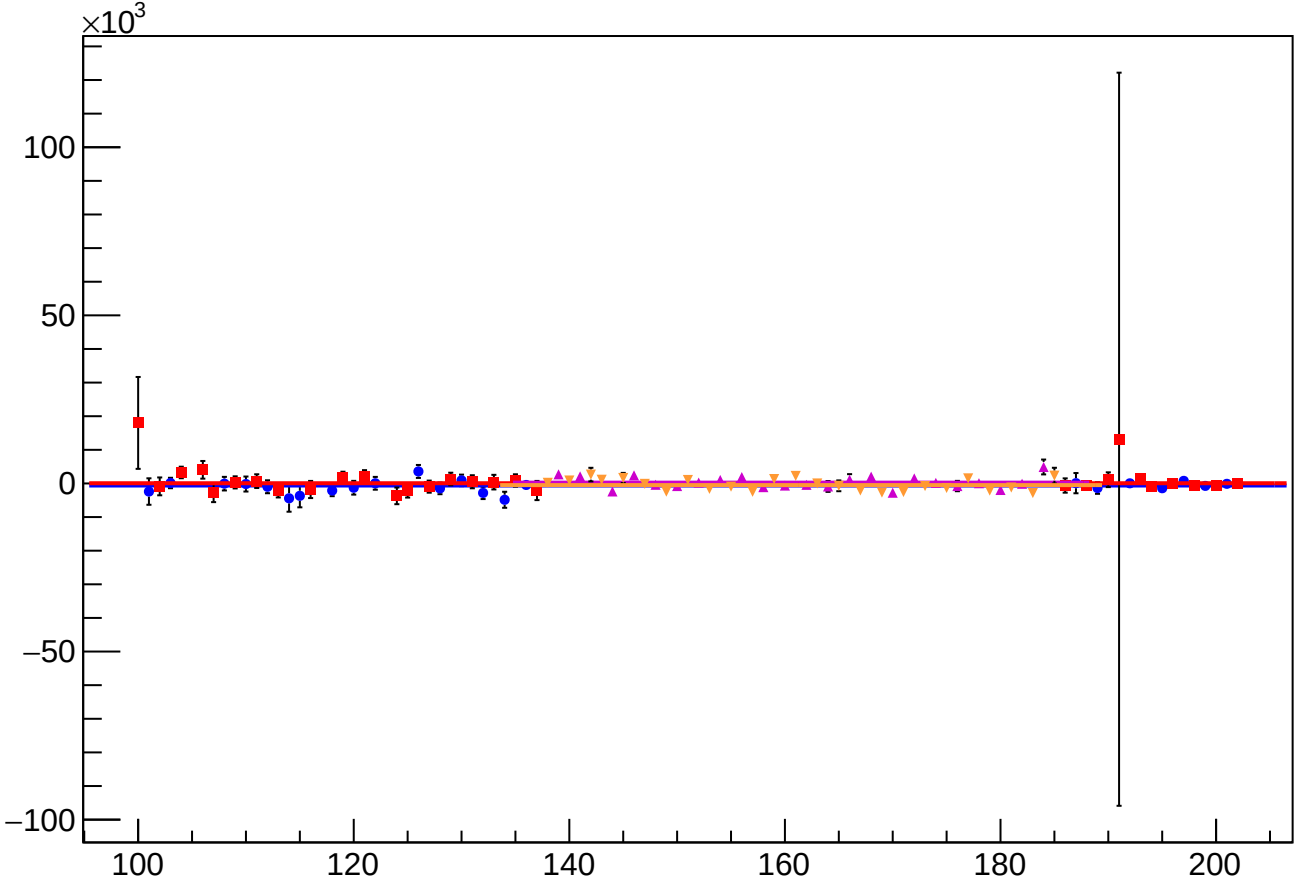
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 290.996+/-0.043 χ^2/NDF: 16053661.2/47

All: 296.345+/-0.031 χ^2/NDF: 32421178.8/99

- sign 301.958+/-0.044 χ^2/NDF: 16335365.5/51

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -613.687+/-370.396 χ^2/NDF: 15.6/22

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 63.717+/-345.093 χ^2/NDF: 20.4/28

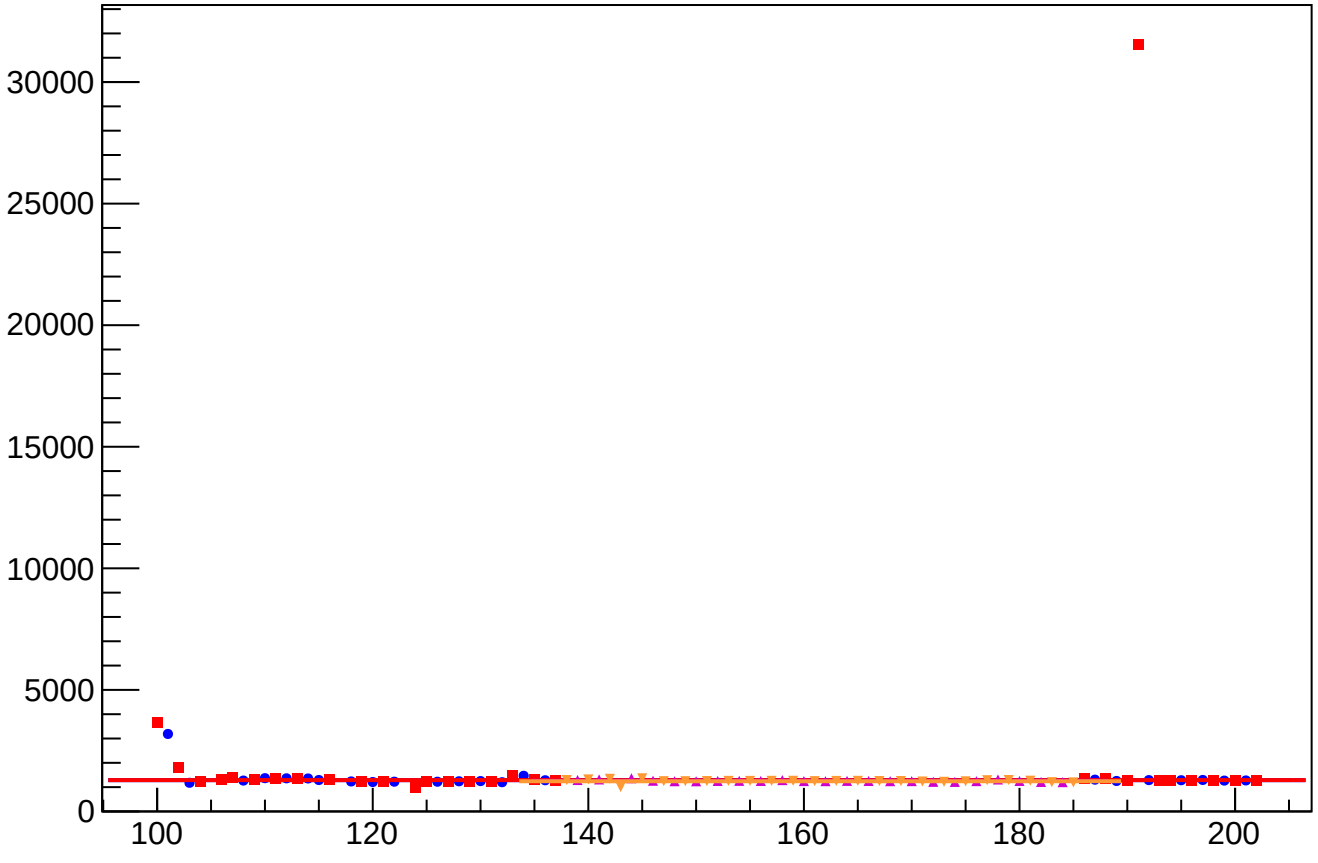
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -537.707+/-224.741 χ^2/NDF: 49.9/47

All: -184.141+/-158.634 χ^2/NDF: 106.1/99

- sign 166.923+/-223.945 χ^2/NDF: 51.3/51

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1287.141+/-0.262 χ^2/NDF: 510998.8/22

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

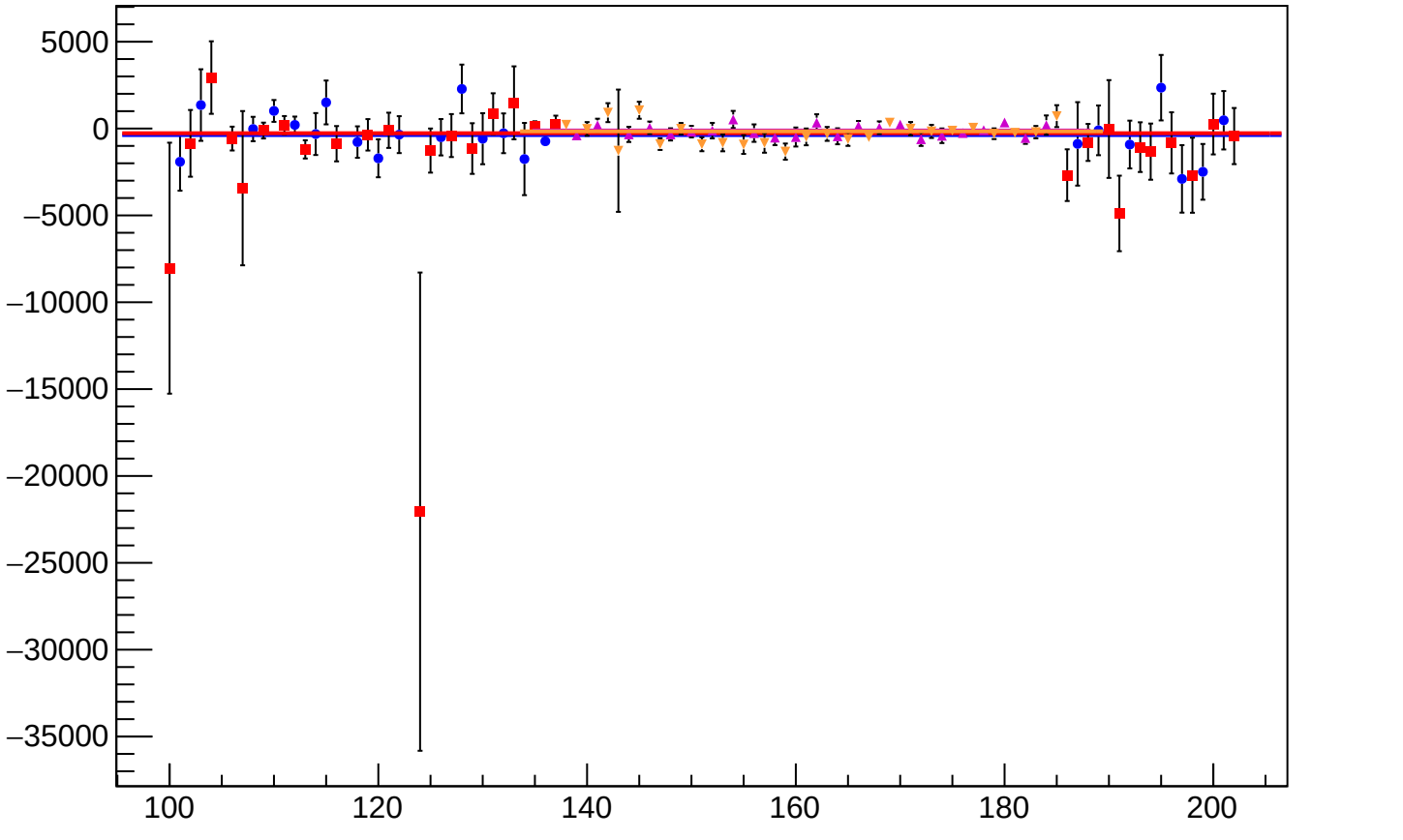
Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.1/28

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.960+/-0.159 χ^2/NDF: 659345.3/47

All: 1265.741+/-0.112 χ^2/NDF: 1072709.1/99

- sign 1272.474+/-0.158 χ^2/NDF: 409734.7/51



Right In: -374.545+/-164.192 χ^2/NDF: 24.5/22

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: -269.823+/-161.106 χ^2/NDF: 25.9/28

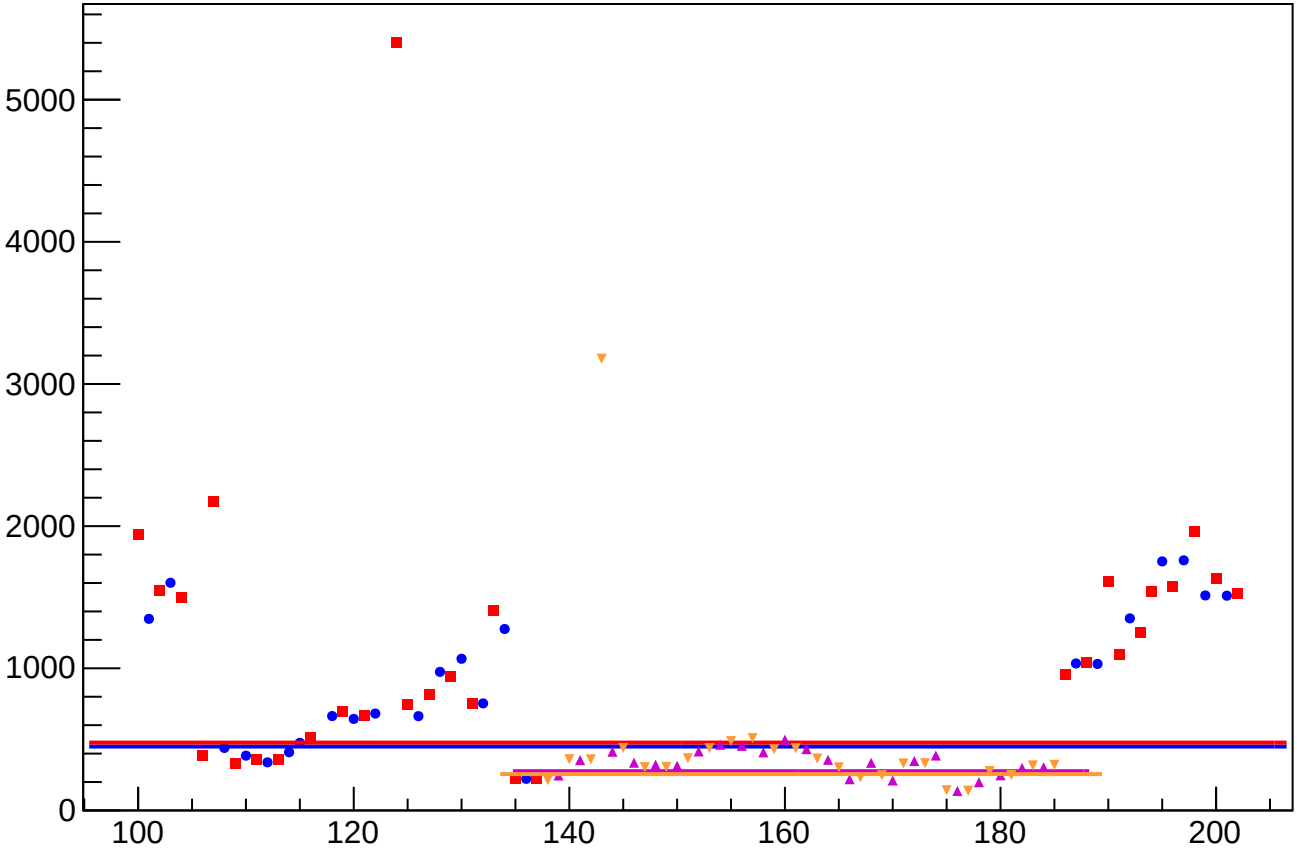
Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -189.206+/-59.737 χ^2/NDF: 69.7/47

All: -165.002+/-43.447 χ^2/NDF: 114.9/99

\- sign -137.823+/-63.304 χ^2/NDF: 44.9/51

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 449.641+/-0.116 χ^2/NDF: 9487579.7/22

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

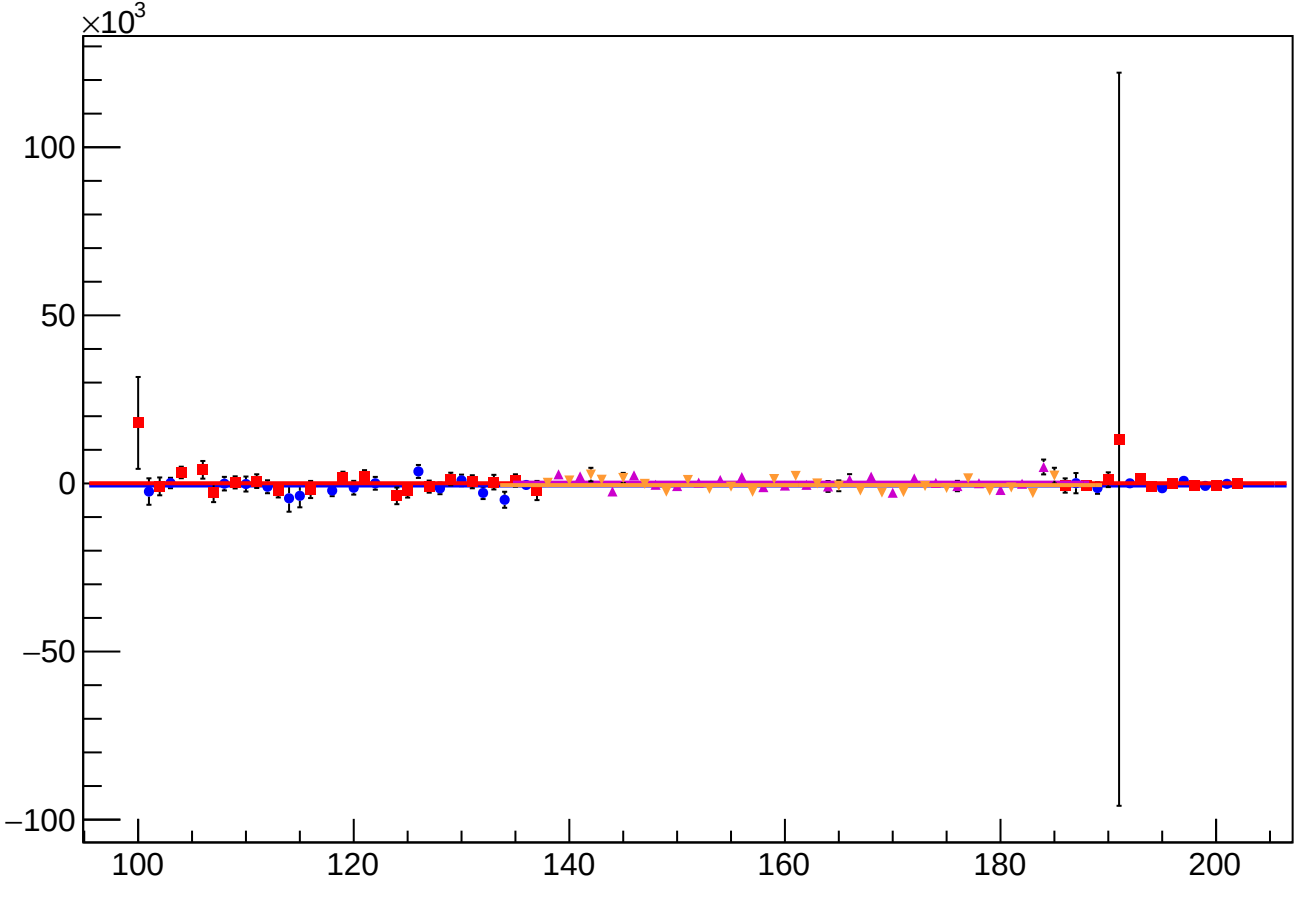
Right Out: 477.491+/-0.114 χ^2/NDF: 11307249.0/28

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 281.431+/-0.042 χ^2/NDF: 18280827.2/47

All: 293.645+/-0.031 χ^2/NDF: 36430510.7/99

- sign 307.361+/-0.045 χ^2/NDF: 17972178.1/51



Right In: -613.689+/-370.396 χ^2/NDF: 15.6/22

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 63.716+/-345.093 χ^2/NDF: 20.4/28

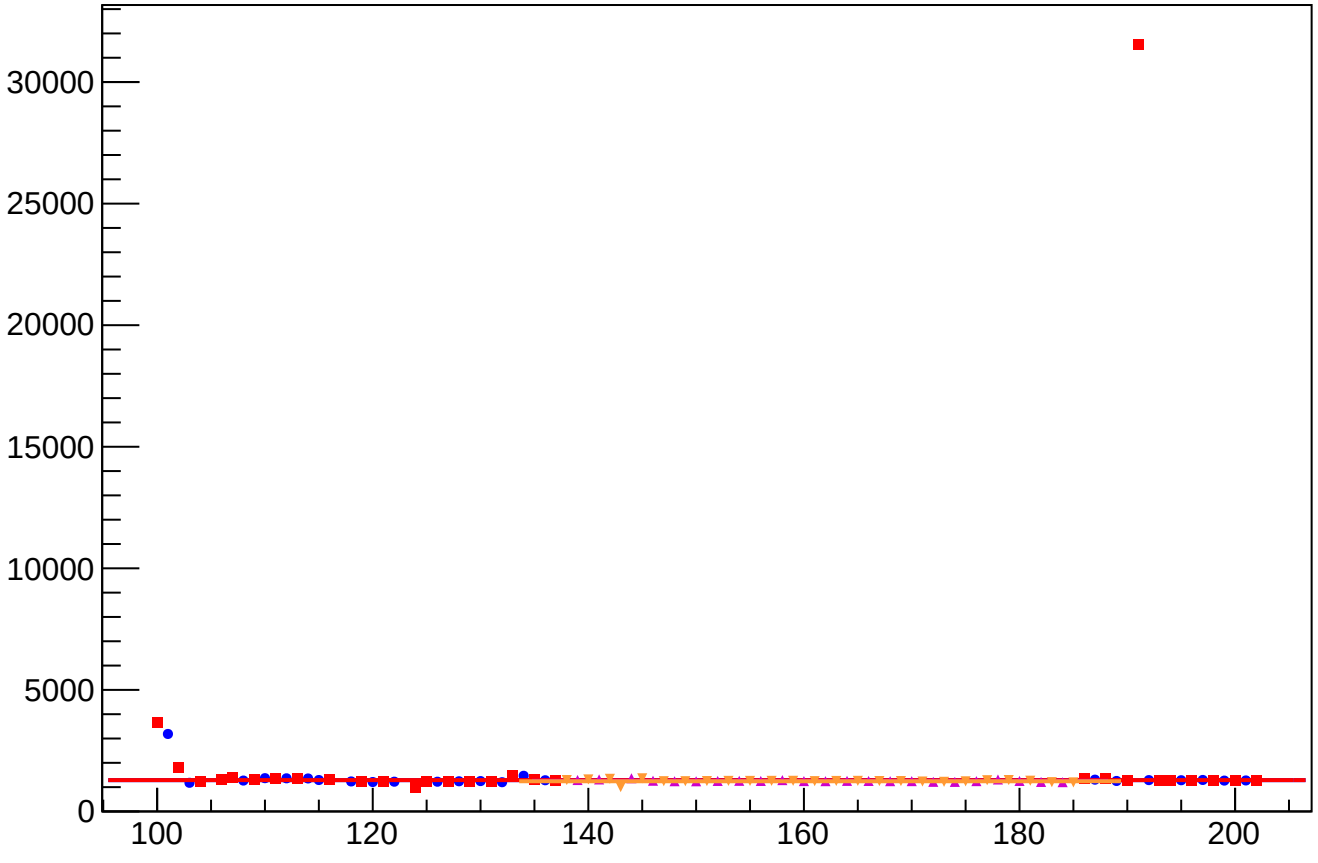
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -537.708+/-224.741 χ^2/NDF: 49.9/47

All: -184.142+/-158.634 χ^2/NDF: 106.1/99

- sign 166.922+/-223.945 χ^2/NDF: 51.3/51

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1287.141+/-0.262 χ^2/NDF: 510998.8/22

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

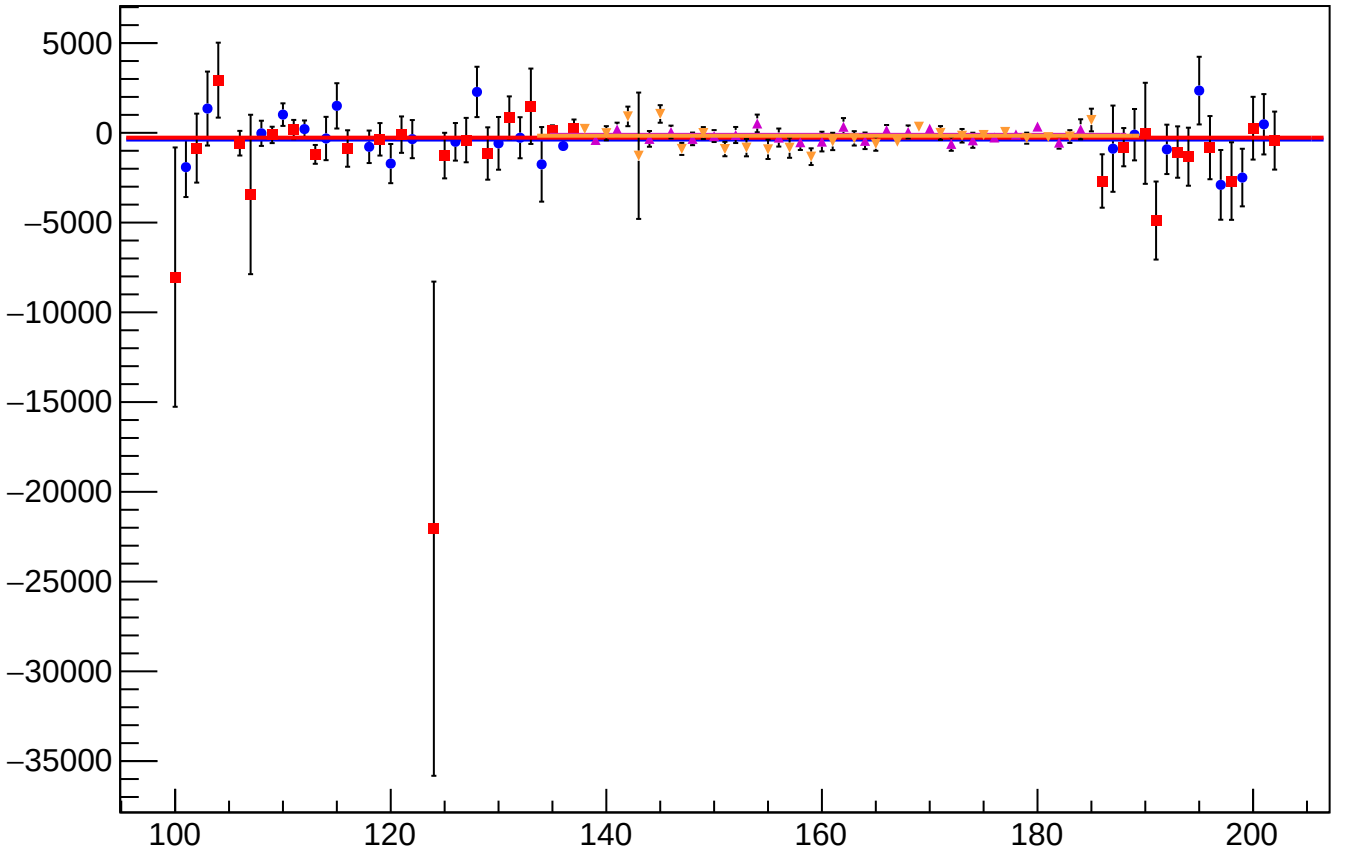
Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.3/28

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.960+/-0.159 χ^2/NDF: 659344.4/47

All: 1265.741+/-0.112 χ^2/NDF: 1072708.5/99

- sign 1272.474+/-0.158 χ^2/NDF: 409735.1/51



Right In: -374.546+/-164.195 χ^2/NDF: 24.5/22

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

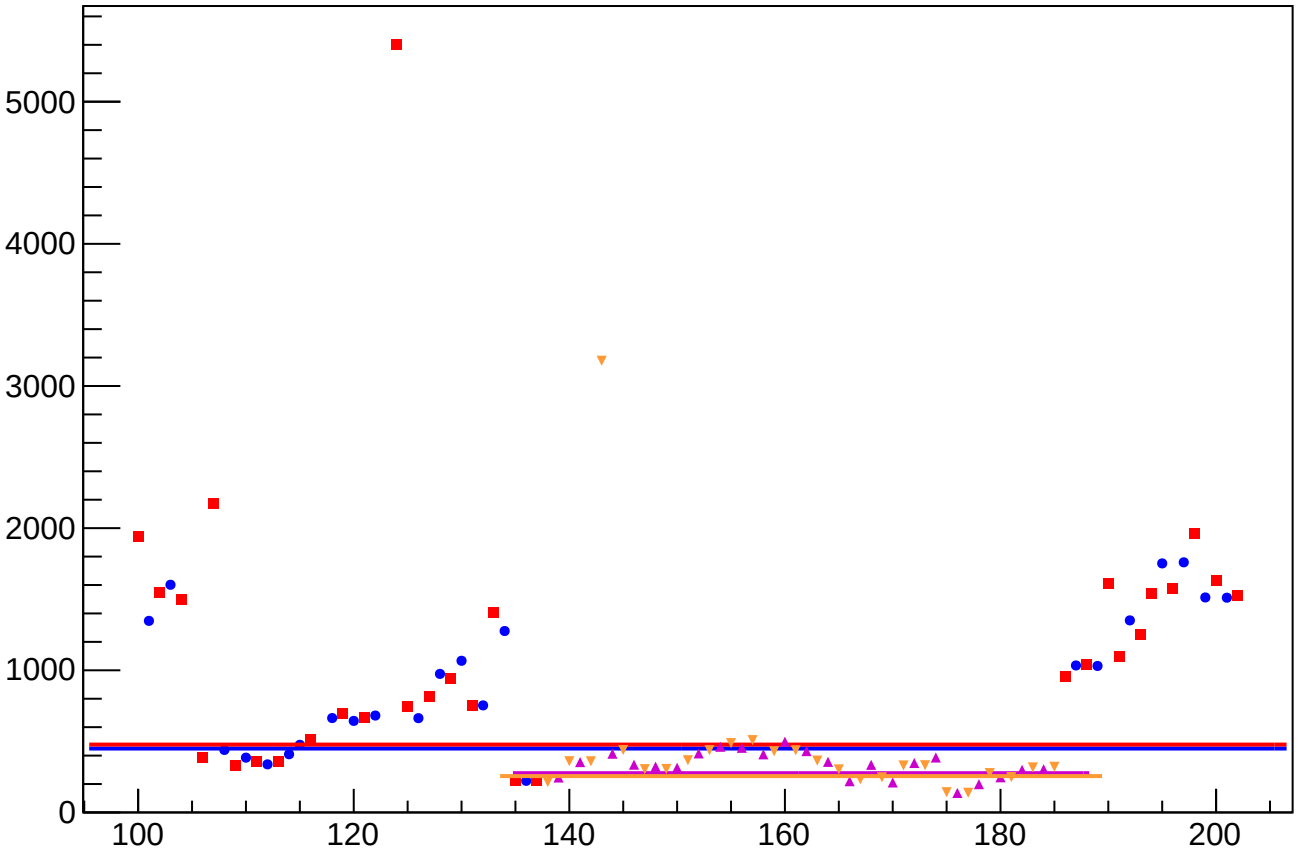
Right Out: -269.831+/-161.108 χ^2/NDF: 25.9/28

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -189.208+/-59.738 χ^2/NDF: 69.7/47

All: -165.003+/-43.447 χ^2/NDF: 114.9/99

- sign -137.822+/-63.304 χ^2/NDF: 44.9/51



Right In: 449.653+/-0.116 χ^2/NDF: 9487298.5/22

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 477.500+/-0.114 χ^2/NDF: 11306999.8/28

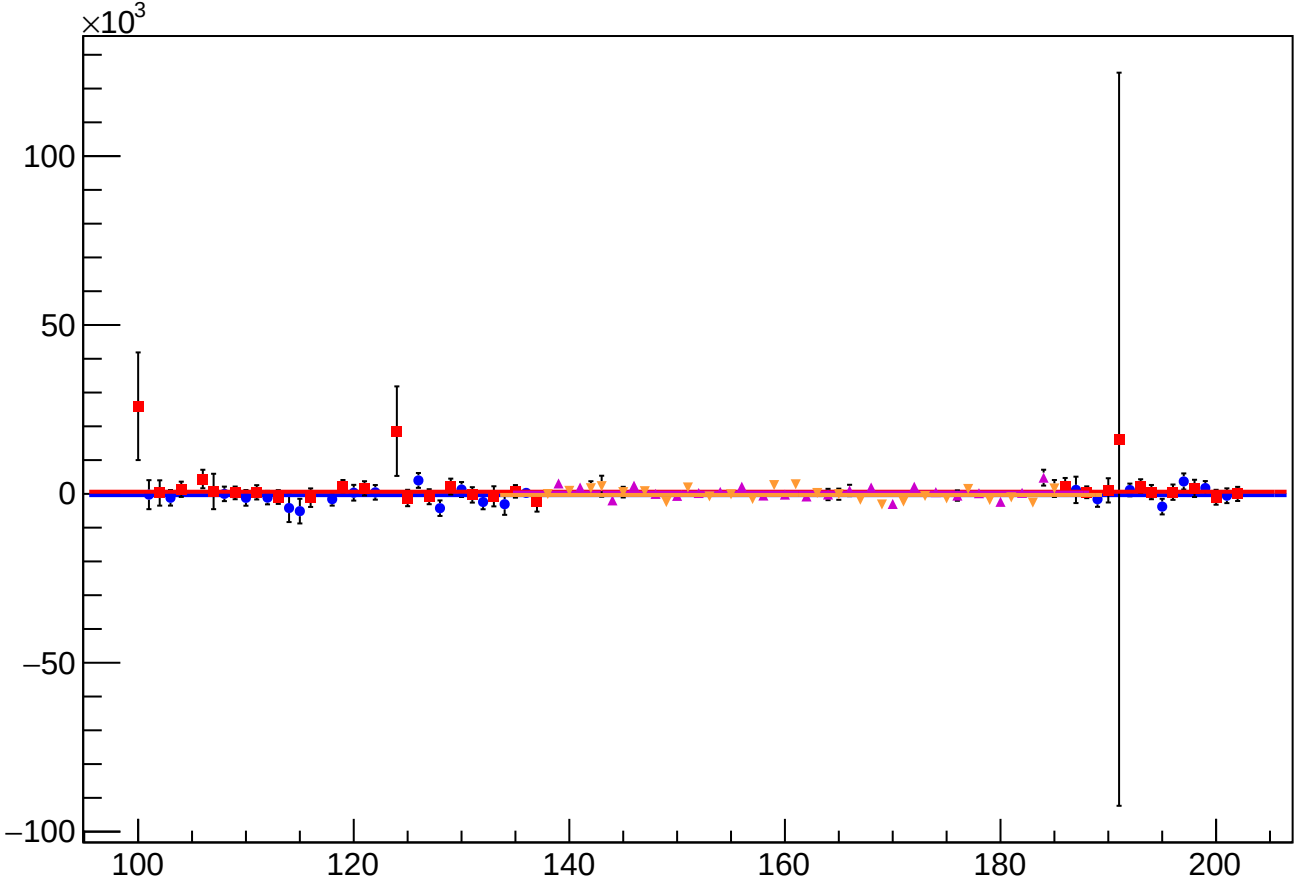
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 281.433+/-0.042 χ^2/NDF: 18280630.7/47

All: 293.647+/-0.031 χ^2/NDF: 36430188.5/99

- sign 307.363+/-0.045 χ^2/NDF: 17972065.2/51

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -375.615+/-471.917 χ^2/NDF: 19.9/22

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 636.563+/-451.010 χ^2/NDF: 13.2/28

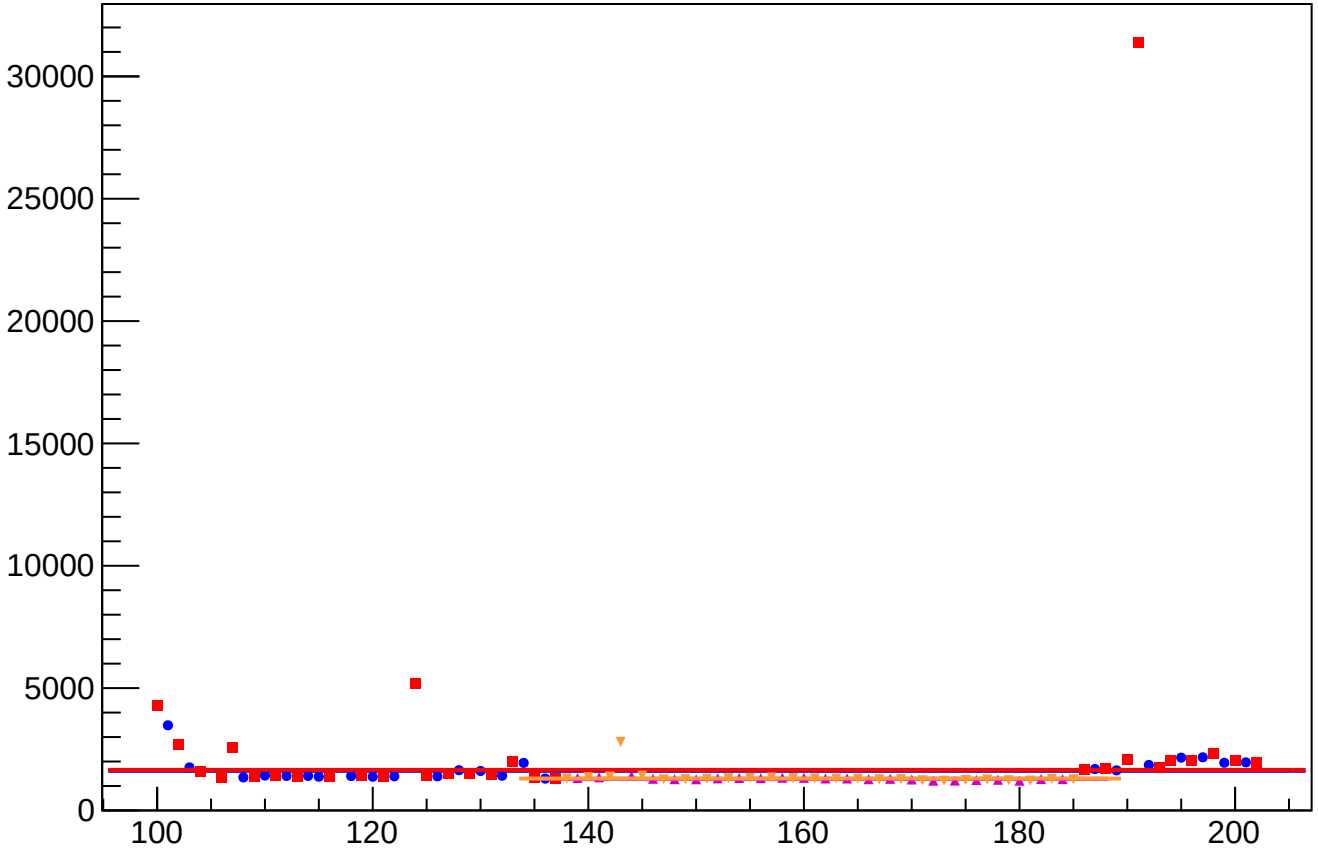
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -335.692+/-252.132 χ^2/NDF: 51.5/47

All: 55.630+/-177.841 χ^2/NDF: 99.4/99

- sign 443.083+/-250.882 χ^2/NDF: 43.1/51

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1620.046+/-0.334 χ^2/NDF: 1047153.6/22

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

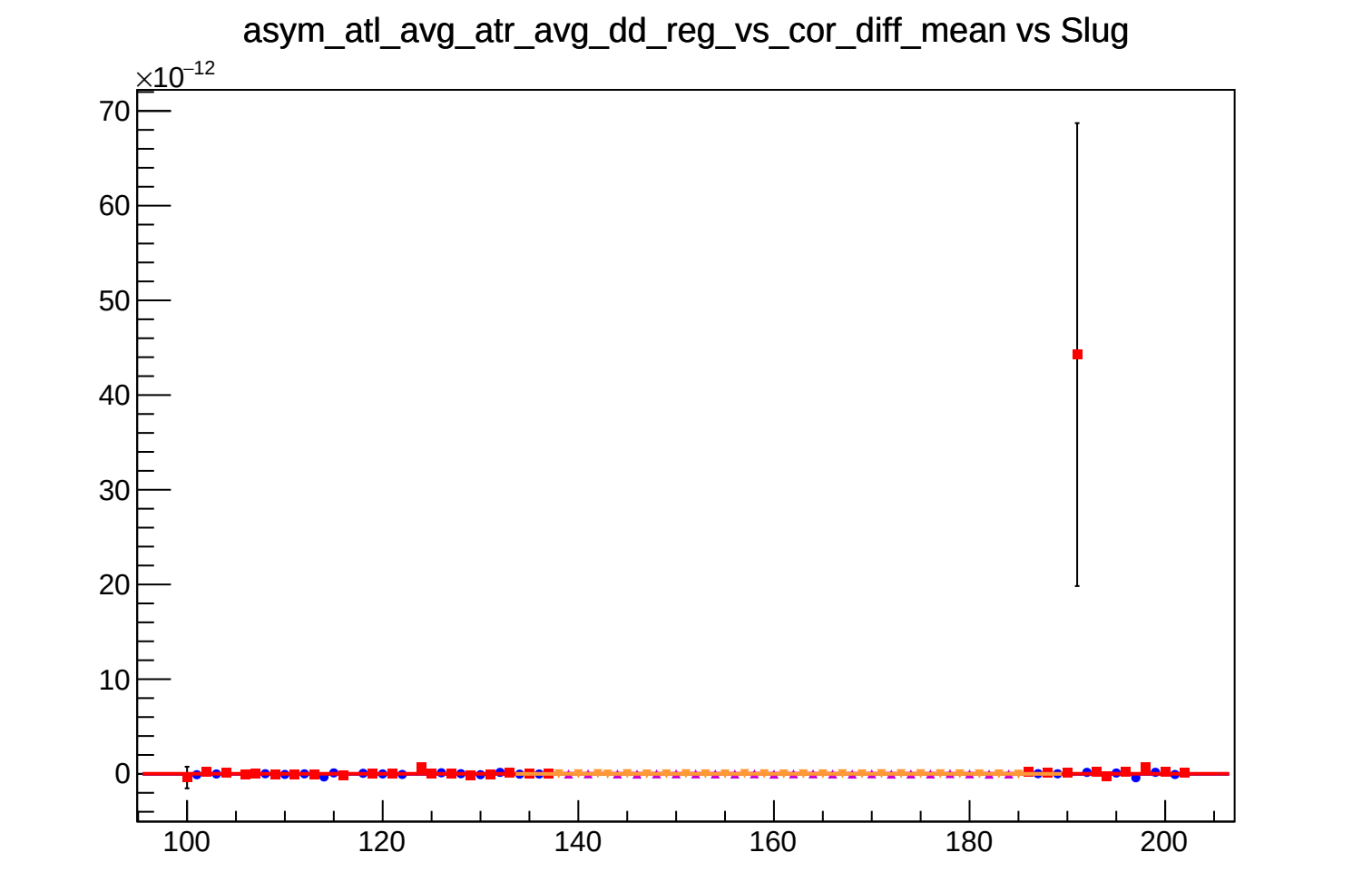
Right Out: 1657.593+/-0.319 χ^2/NDF: 1347719.7/28

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1394.326+/-0.178 χ^2/NDF: 2207093.6/47

All: 1399.796+/-0.126 χ^2/NDF: 4511946.2/99

- sign 1405.212+/-0.177 χ^2/NDF: 2302979.2/51


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 15.8/22
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.7/28
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 43.1/47
All: 0.000+/-0.000 χ²/NDF: 112.1/99
- sign 0.000+/-0.000 χ²/NDF: 68.6/51

Right In: 0.000+/-0.000 χ^2/NDF: 5761631.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8083906.4/28

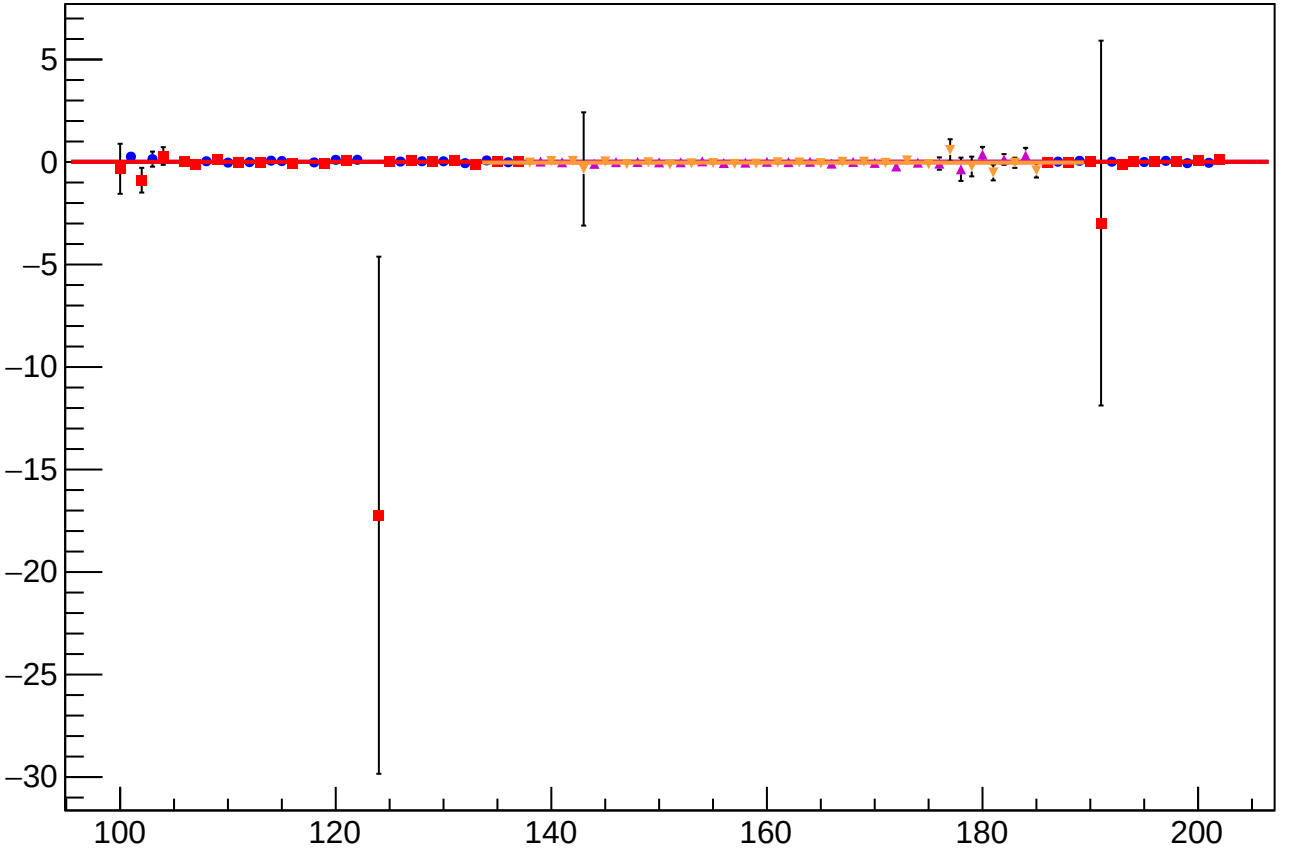
Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9246944.3/47

All: 0.000+/-0.000 χ^2/NDF: 20022237.6/99

- sign 0.000+/-0.000 χ^2/NDF: 10749667.8/51

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.010+/-0.013 χ^2/NDF: 22.3/28

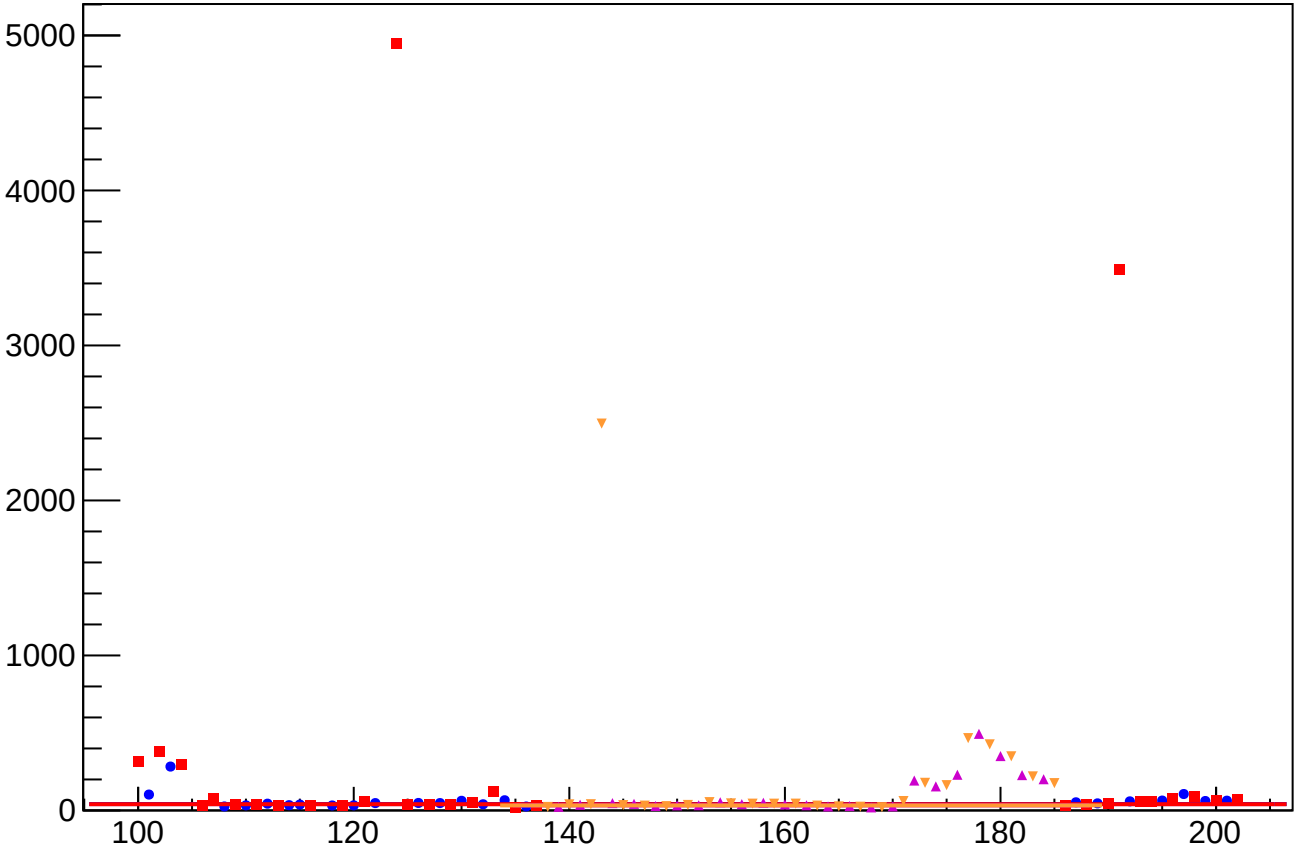
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 86.1/99

- sign -0.003+/-0.008 χ^2/NDF: 37.2/51

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.224+/-0.010 χ^2/NDF: 3820893.4/22

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

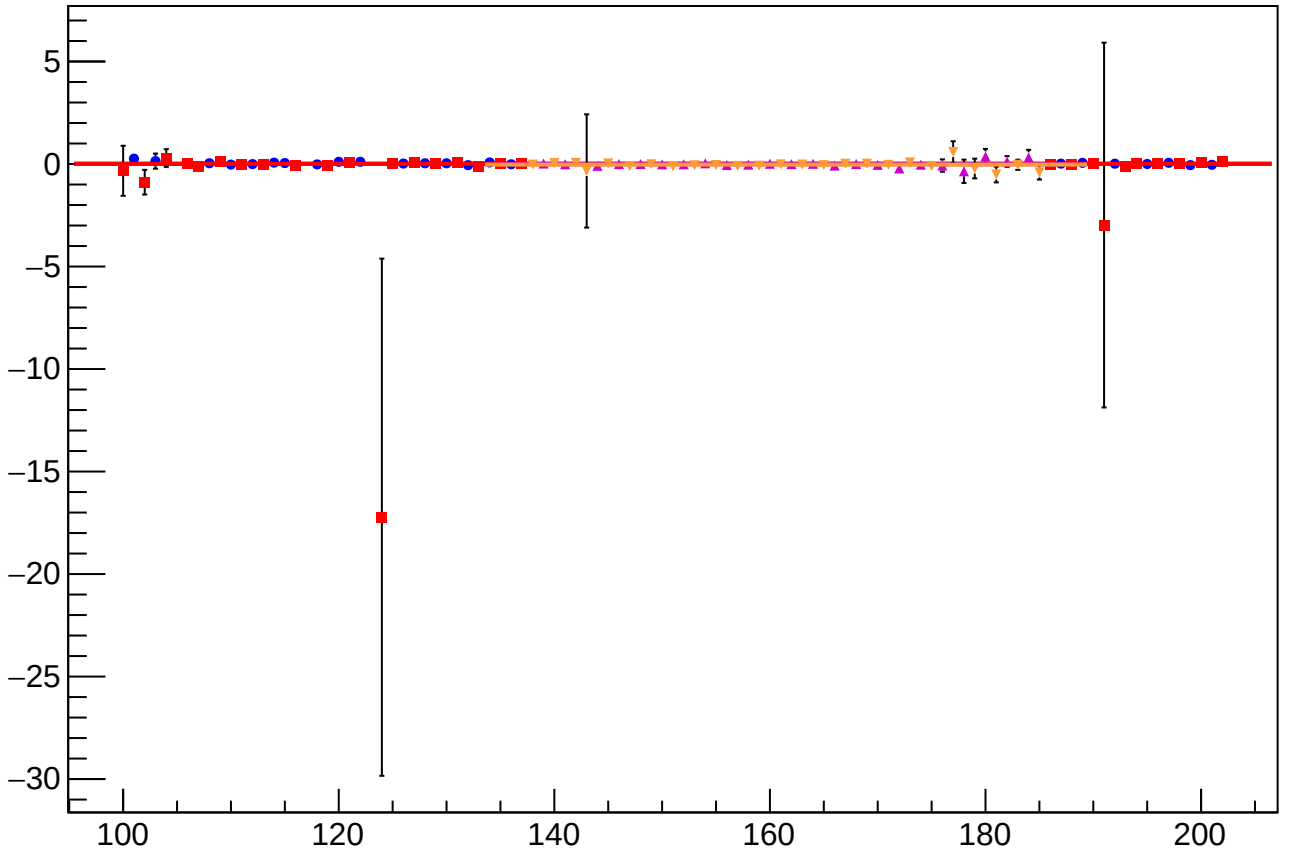
Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235266.4/47

All: 35.420+/-0.004 χ^2/NDF: 29910680.1/99

- sign 35.454+/-0.005 χ^2/NDF: 14675329.9/51



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

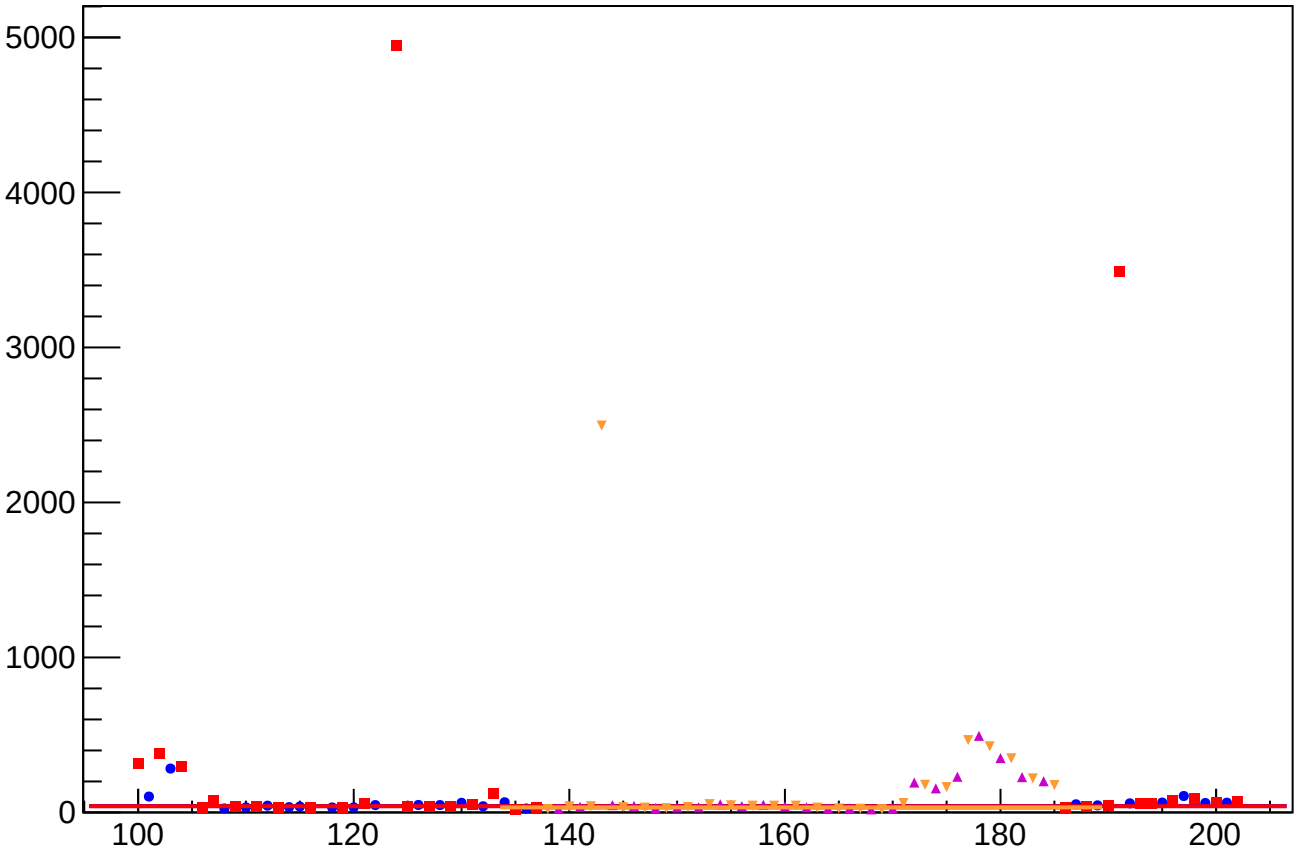
Right Out: 0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 86.1/99

- sign -0.003+/-0.008 χ^2/NDF: 37.2/51



Right In: 41.224+/-0.010 χ^2/NDF: 3820893.4/22

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

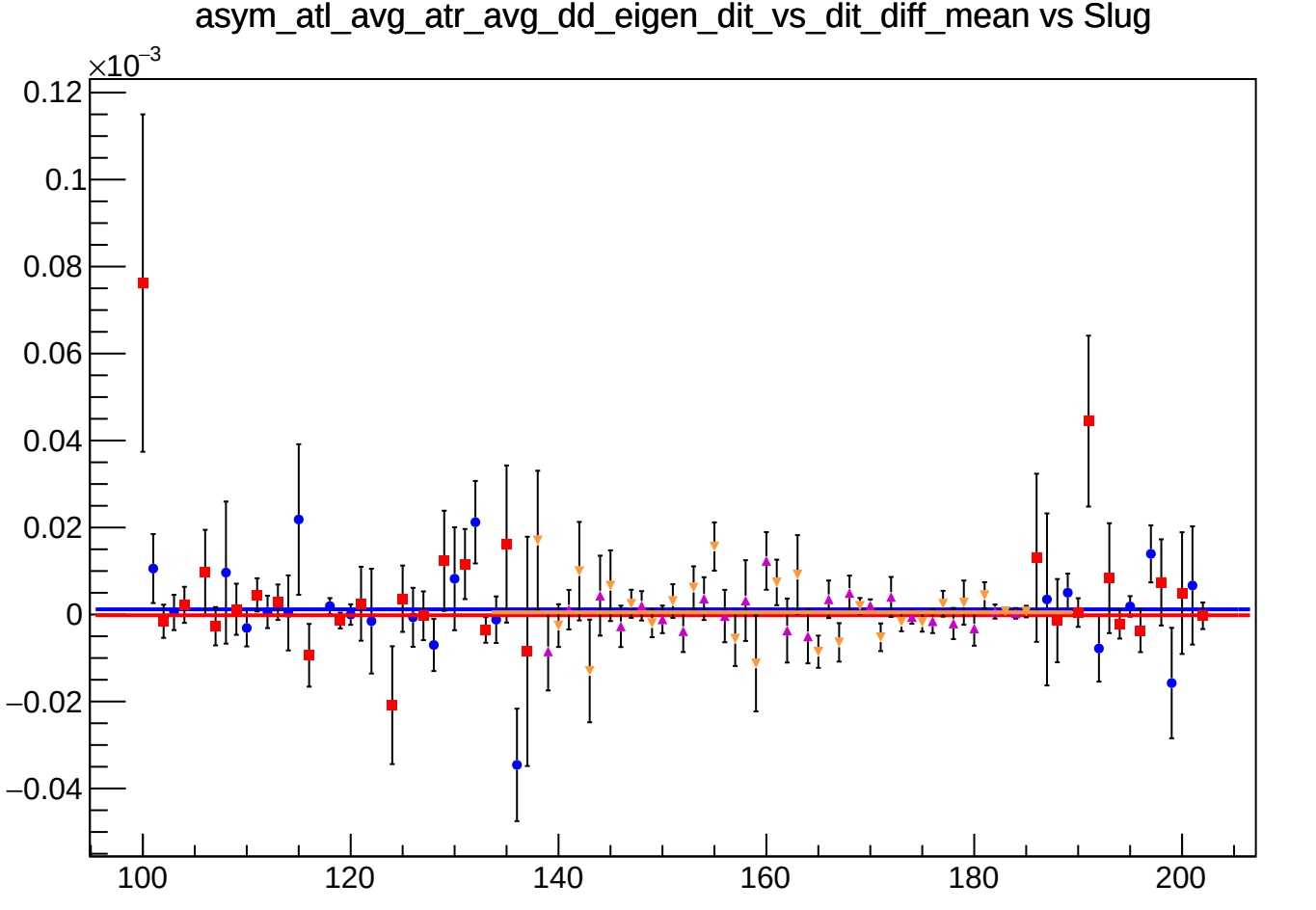
Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

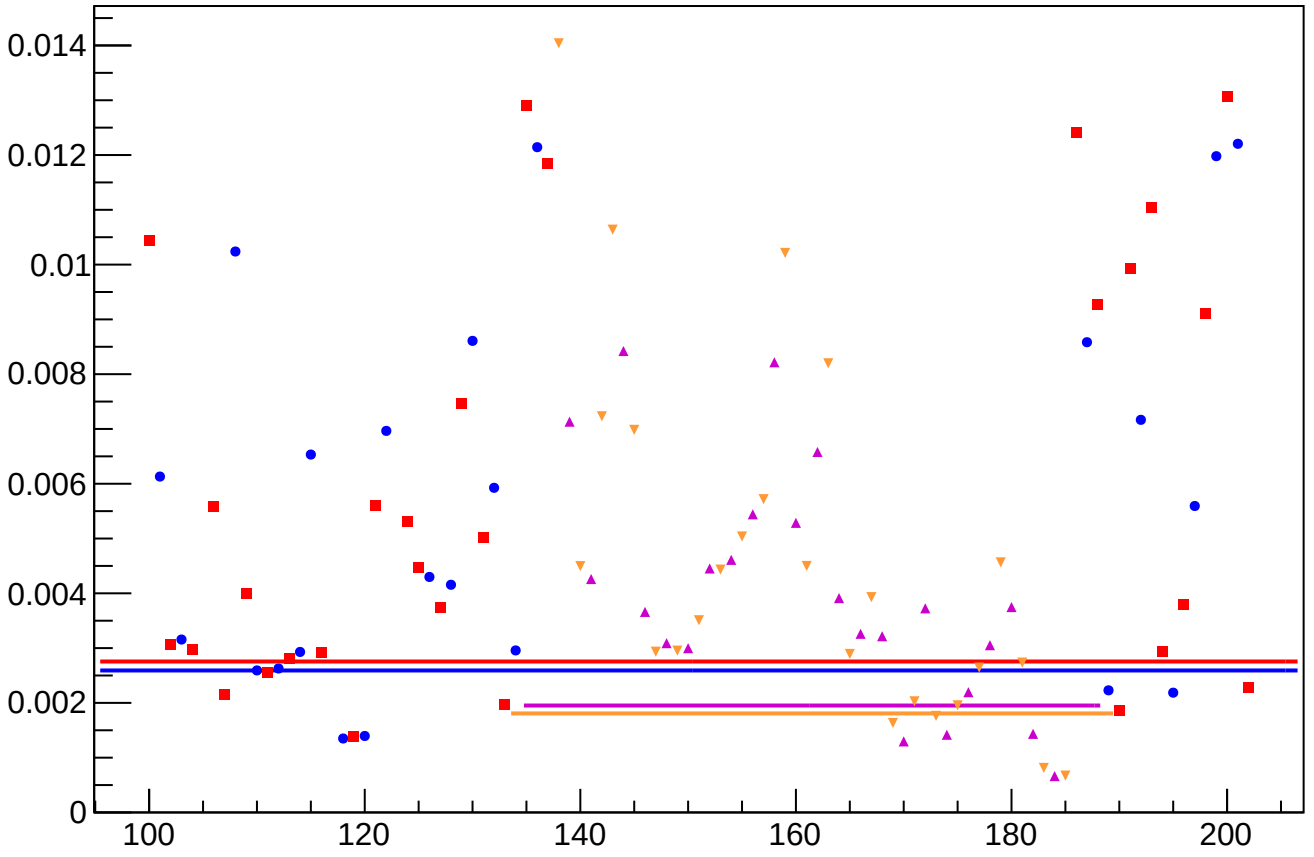
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235266.4/47

All: 35.420+/-0.004 χ^2/NDF: 29910680.1/99

- sign 35.454+/-0.005 χ^2/NDF: 14675329.9/51


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.3/22
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/28
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 63.4/47
All: 0.000+/-0.000 χ²/NDF: 103.6/99
- sign 0.000+/-0.000 χ²/NDF: 39.8/51



Right In: 0.003+/-0.000 χ^2/NDF: 8292286.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

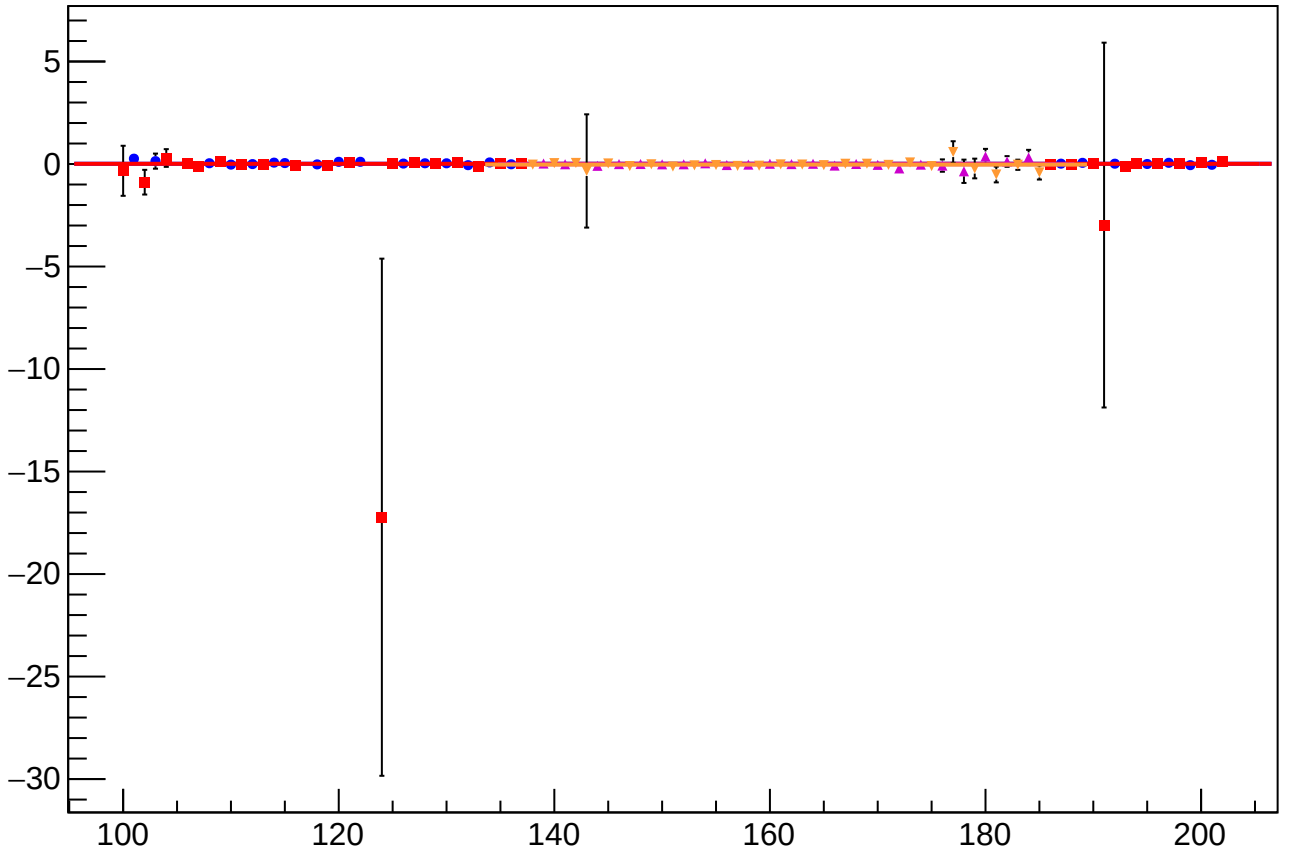
Right Out: 0.003+/-0.000 χ^2/NDF: 8251766.8/28

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 24253526.2/47

All: 0.002+/-0.000 χ^2/NDF: 45268978.4/99

- sign 0.002+/-0.000 χ^2/NDF: 20856765.5/51



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

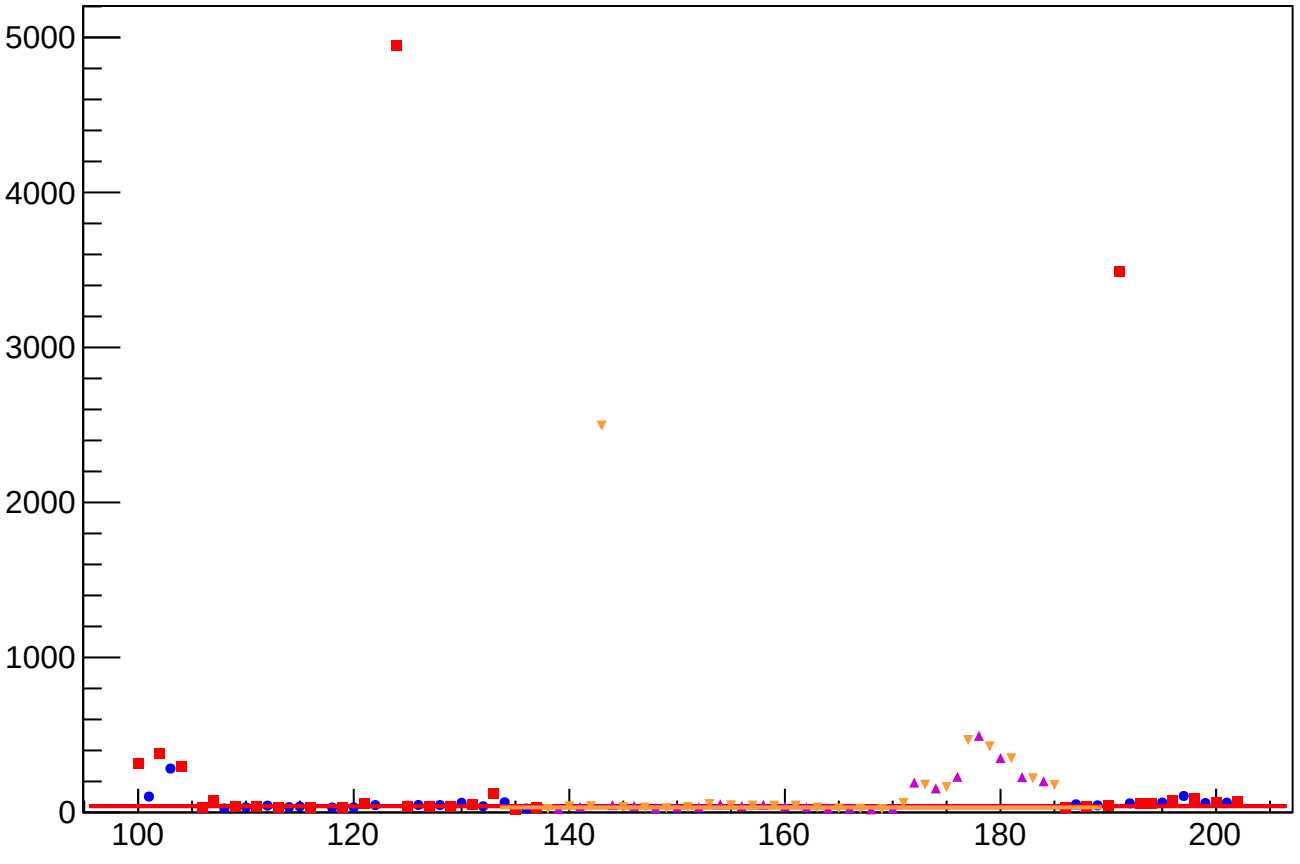
Right Out: 0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 86.1/99

- sign -0.003+/-0.008 χ^2/NDF: 37.2/51



Right In: 41.225+/-0.010 χ^2/NDF: 3820445.9/22

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

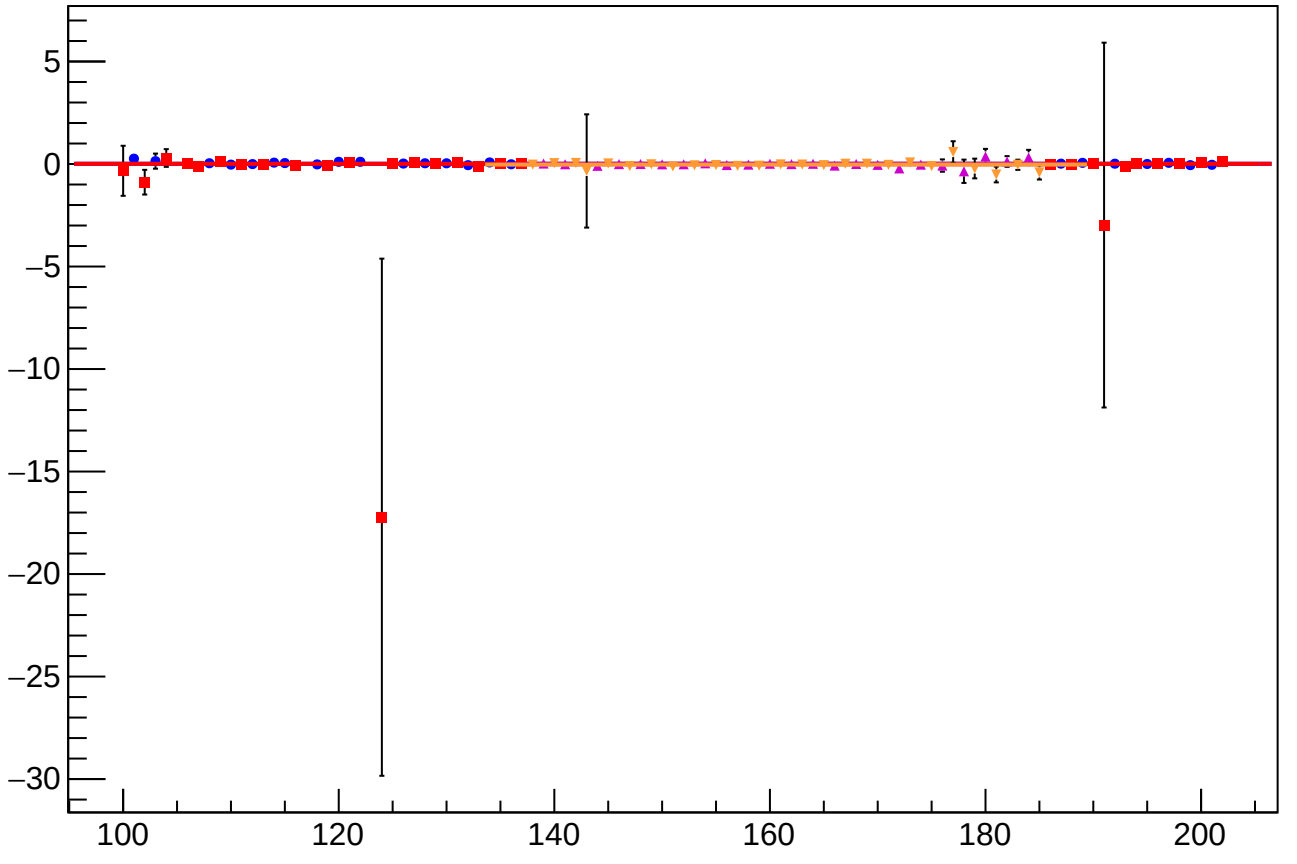
Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235265.3/47

All: 35.420+/-0.004 χ^2/NDF: 29911282.6/99

- sign 35.454+/-0.005 χ^2/NDF: 14675936.1/51



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.010+/-0.013 χ^2/NDF: 22.3/28

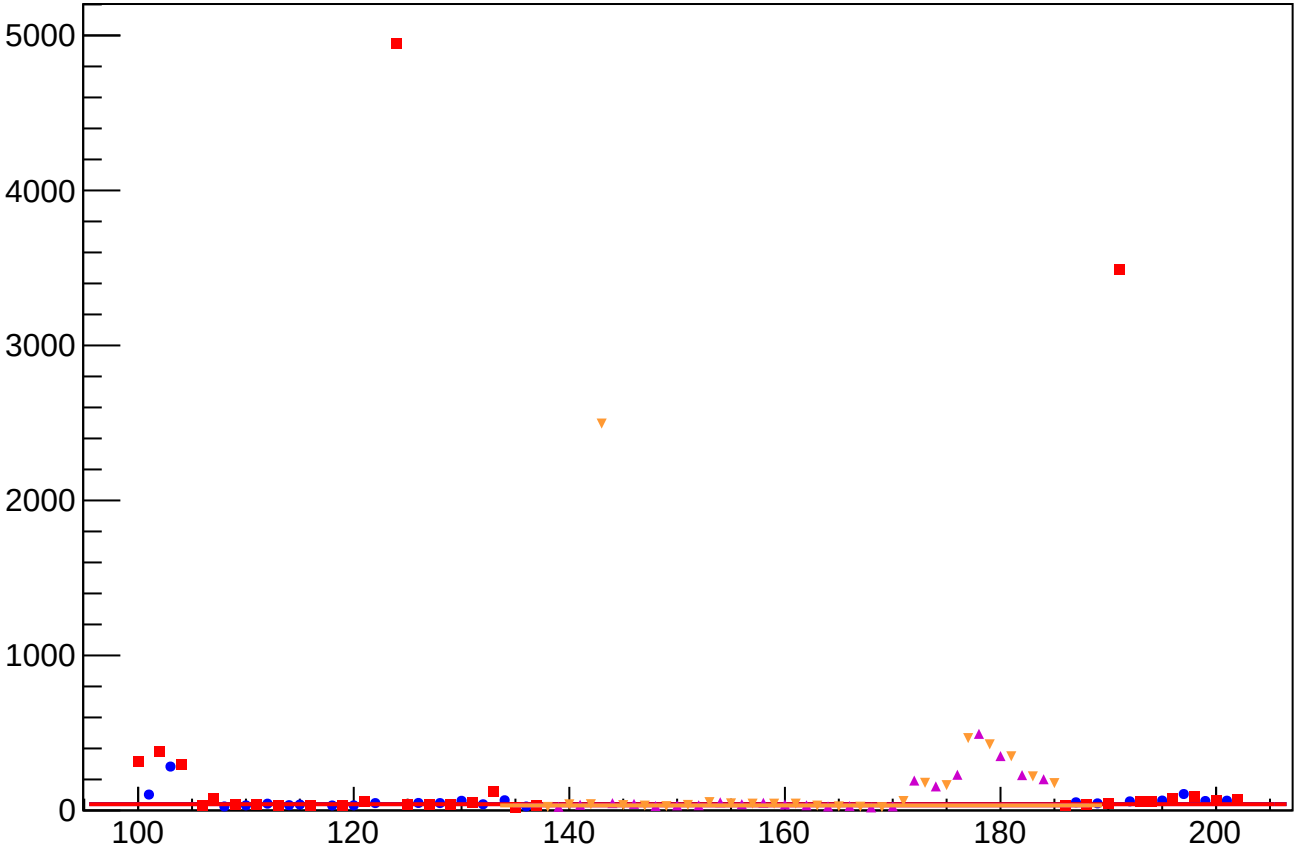
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 86.1/99

- sign -0.003+/-0.008 χ^2/NDF: 37.2/51

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.225+/-0.010 χ^2/NDF: 3820445.9/22

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

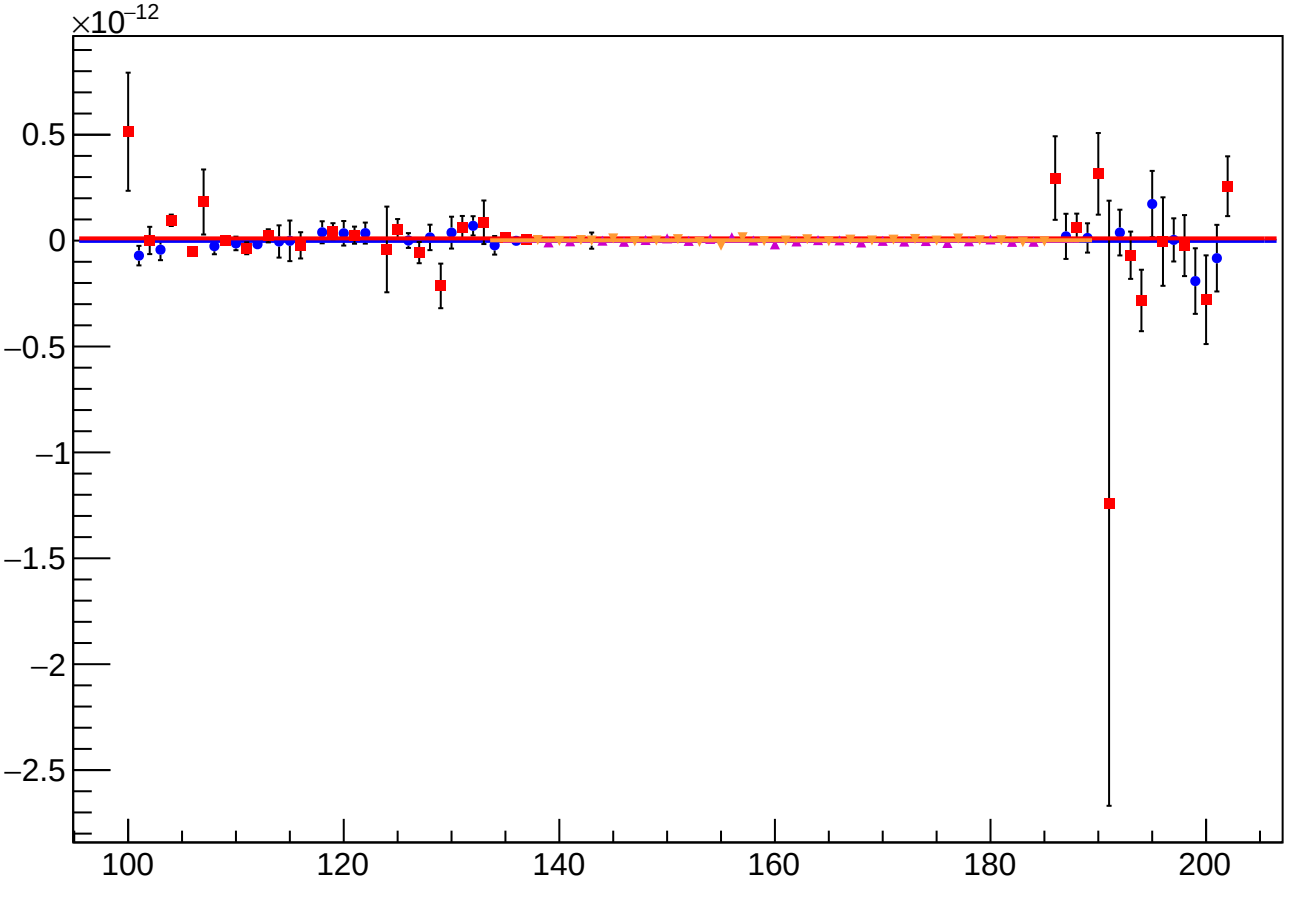
Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235265.3/47

All: 35.420+/-0.004 χ^2/NDF: 29911282.6/99

- sign 35.454+/-0.005 χ^2/NDF: 14675936.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

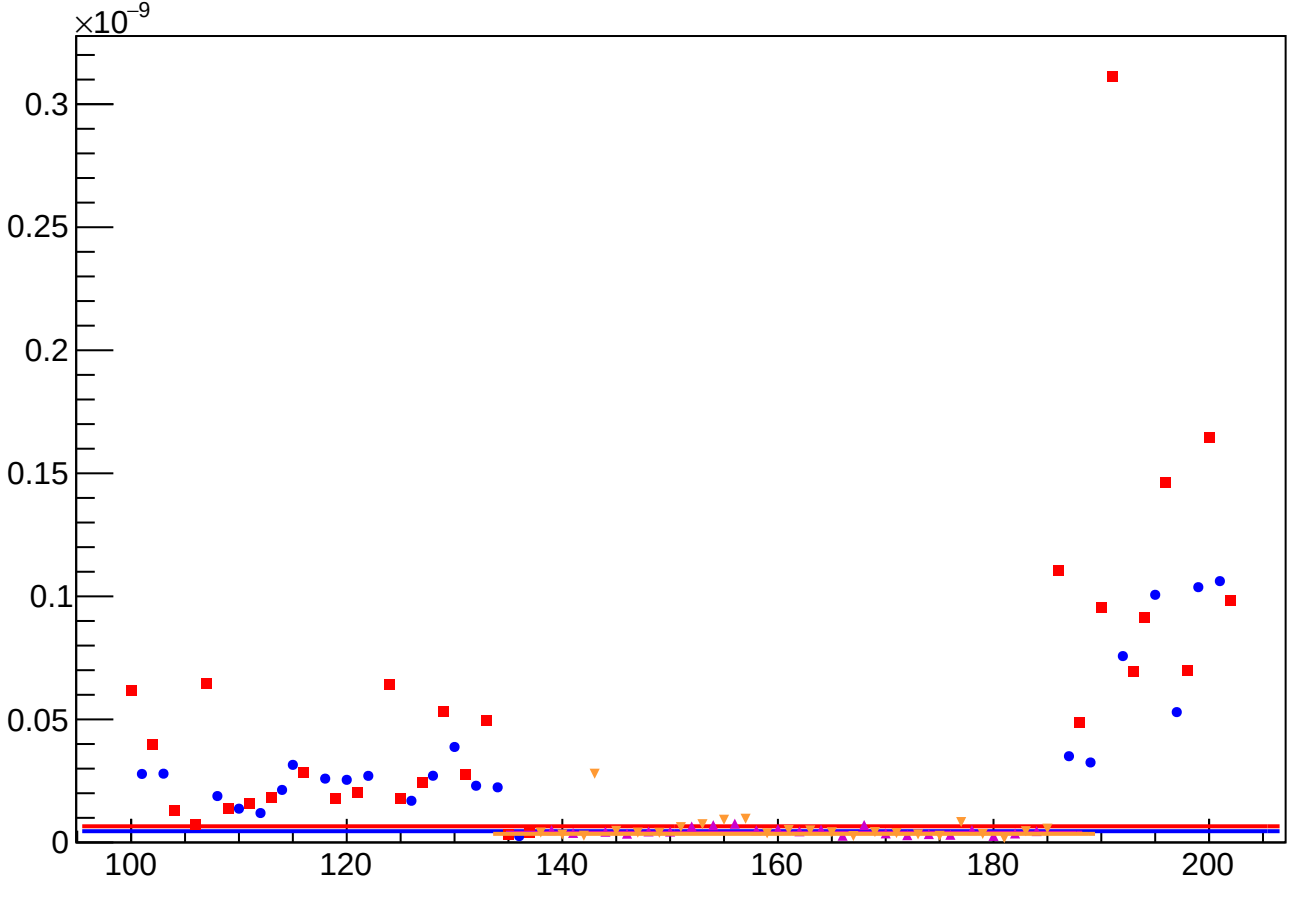
Right Out: 0.000+/-0.000 χ^2/NDF: 55.5/28

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/47

All: 0.000+/-0.000 χ^2/NDF: 123.3/99

- sign -0.000+/-0.000 χ^2/NDF: 91.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 9324051.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11418871.2/28

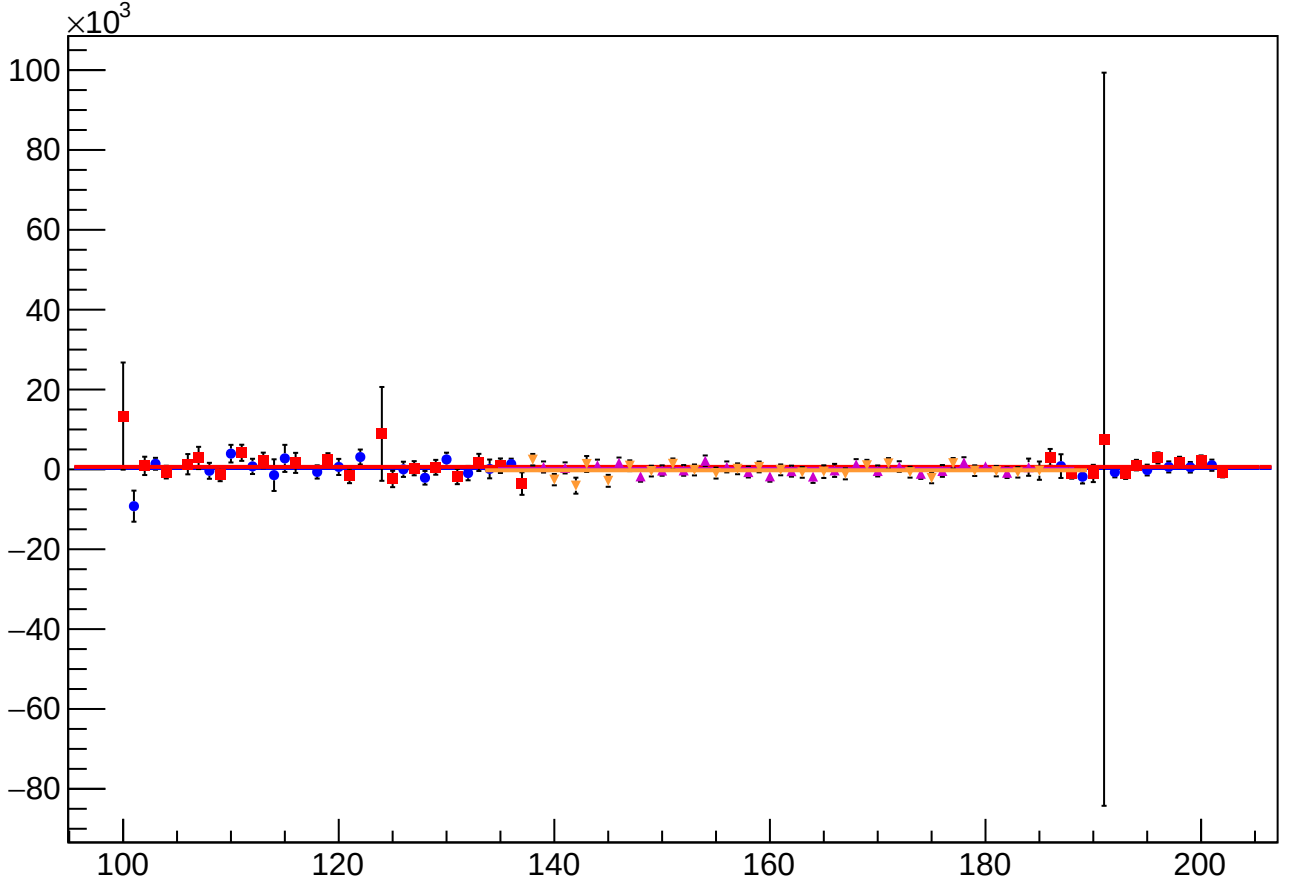
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14193871.0/47

All: 0.000+/-0.000 χ^2/NDF: 28698141.1/99

- sign 0.000+/-0.000 χ^2/NDF: 14216023.2/51

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 349.943+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 626.859+/-342.208 χ^2/NDF: 27.0/28

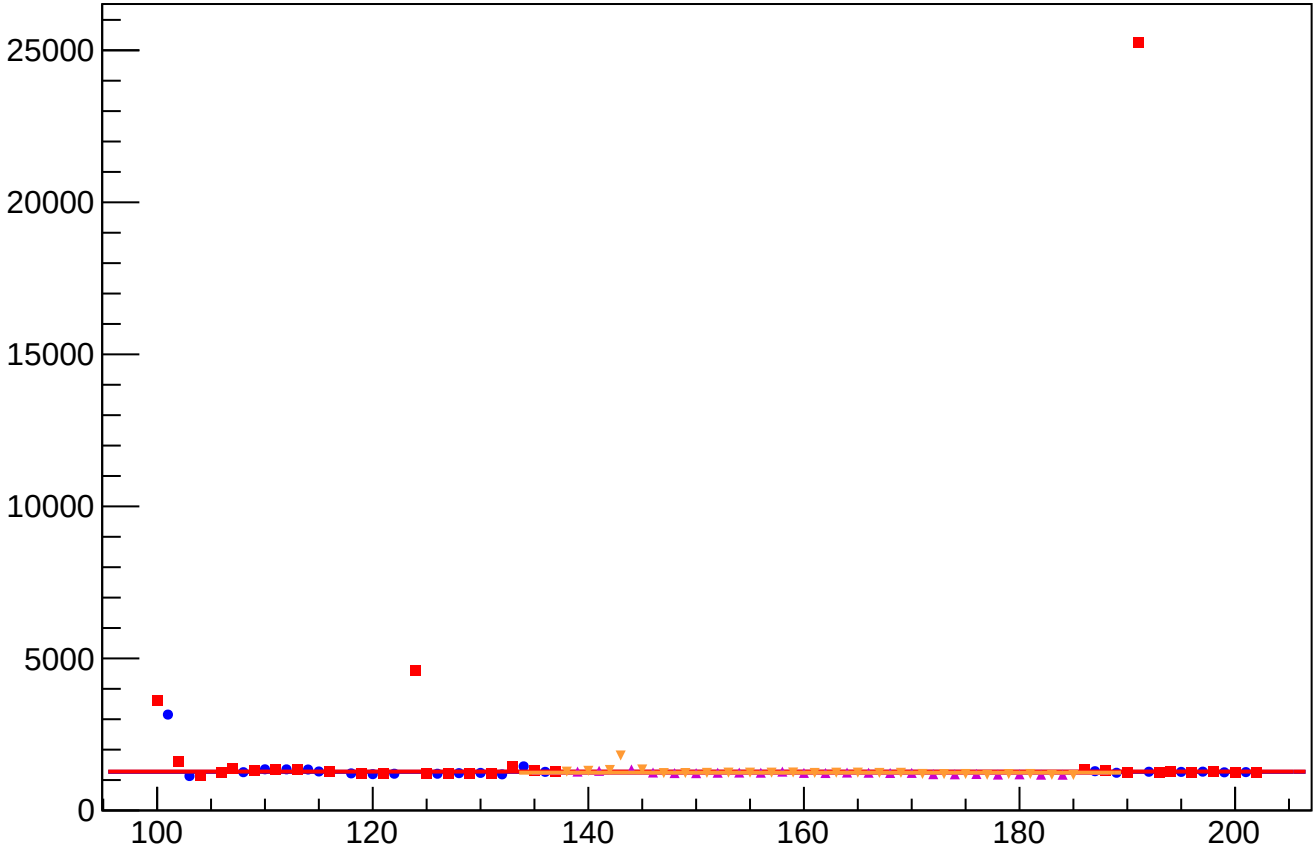
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -6.633+/-223.746 χ^2/NDF: 45.5/47

All: 156.162+/-157.033 χ^2/NDF: 89.7/99

- sign 314.192+/-220.447 χ^2/NDF: 43.2/51

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1269.262+/-0.258 χ^2/NDF: 520503.7/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

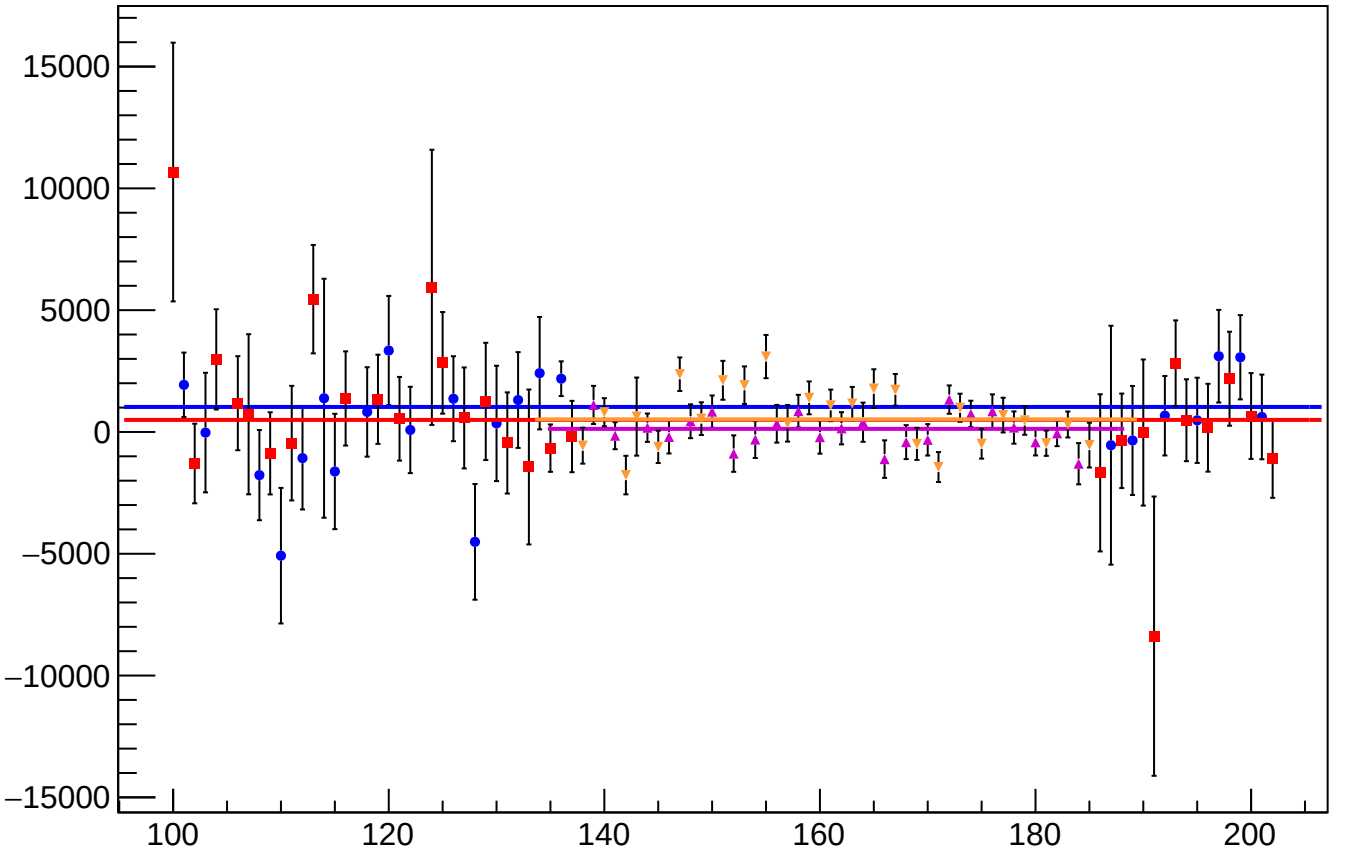
Right Out: 1278.761+/-0.242 χ^2/NDF: 470376.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730348.4/47

All: 1252.584+/-0.111 χ^2/NDF: 1260248.6/99

- sign 1252.430+/-0.156 χ^2/NDF: 529898.2/51



Right In: 1026.648+/-367.611 χ^2/NDF: 23.2/22

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

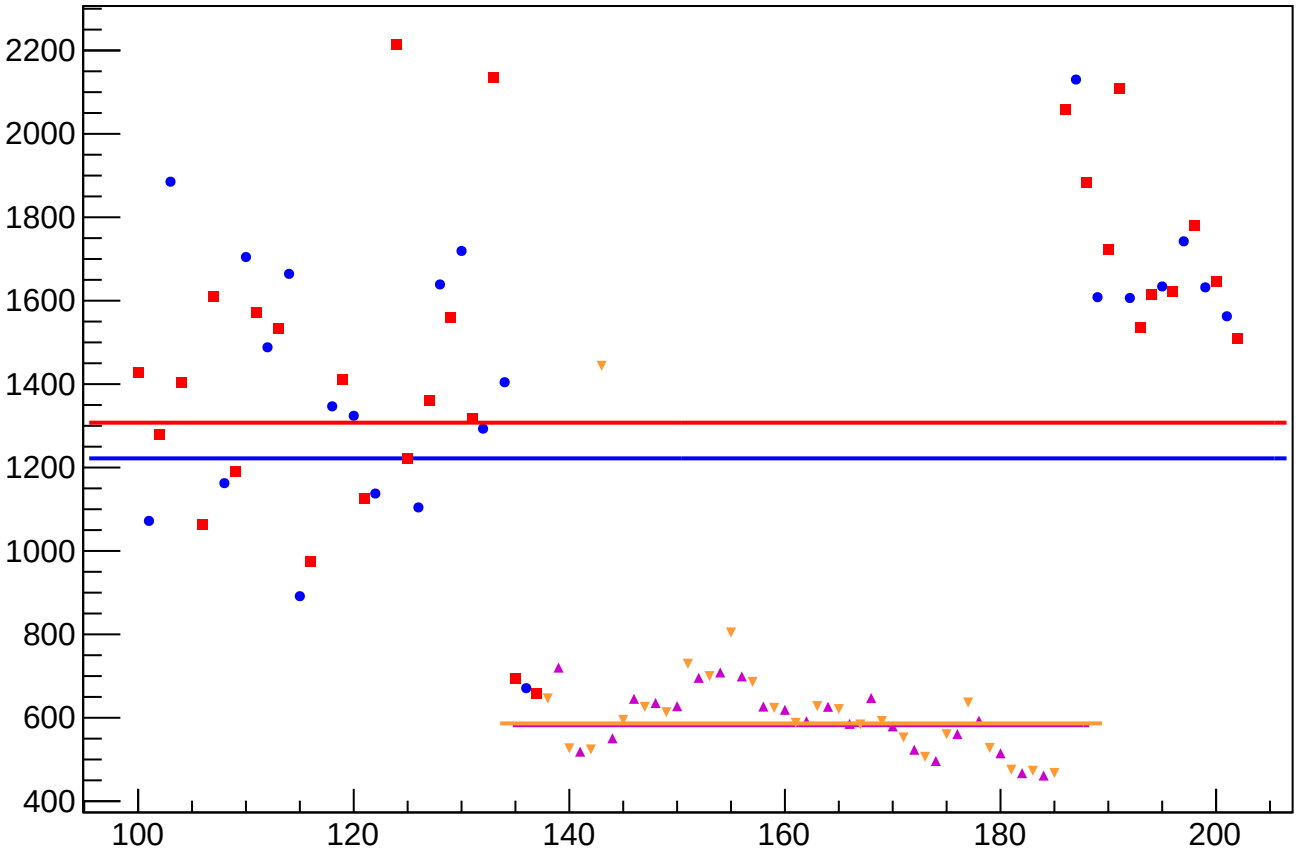
Right Out: 494.846+/-361.782 χ^2/NDF: 23.8/28

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 577.972+/-127.341 χ^2/NDF: 91.9/47

All: 377.024+/-90.395 χ^2/NDF: 143.3/99

- sign 172.914+/-128.339 χ^2/NDF: 46.3/51



Right In: 1221.964+/-0.260 χ^2/NDF: 2396614.3/22

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

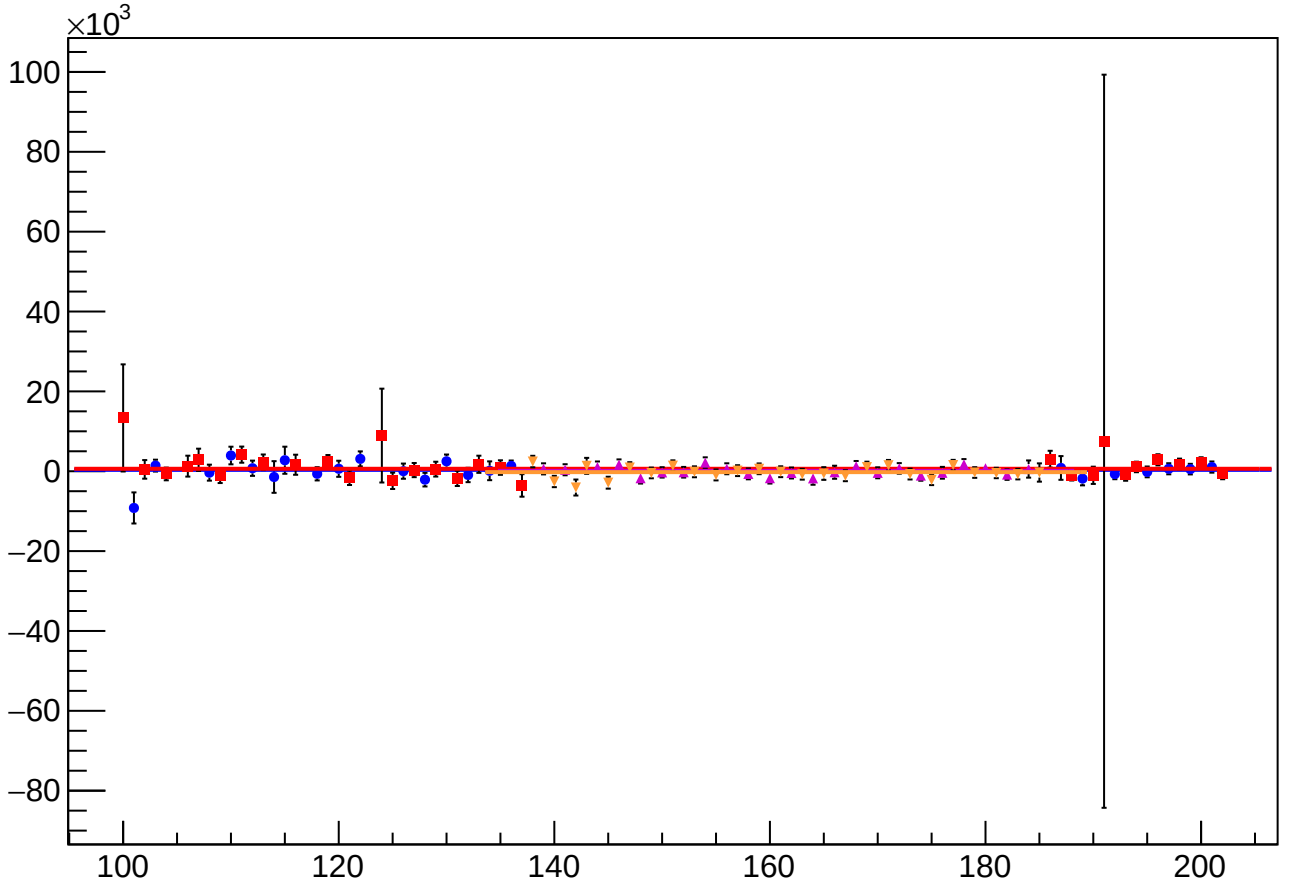
Right Out: 1307.558+/-0.256 χ^2/NDF: 2350254.8/28

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 662.803+/-0.090 χ^2/NDF: 8857797.8/47

All: 668.096+/-0.064 χ^2/NDF: 18802462.0/99

- sign 673.472+/-0.091 χ^2/NDF: 9937699.7/51



Right In: 350.182+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 616.661+/-342.503 χ^2/NDF: 27.0/28

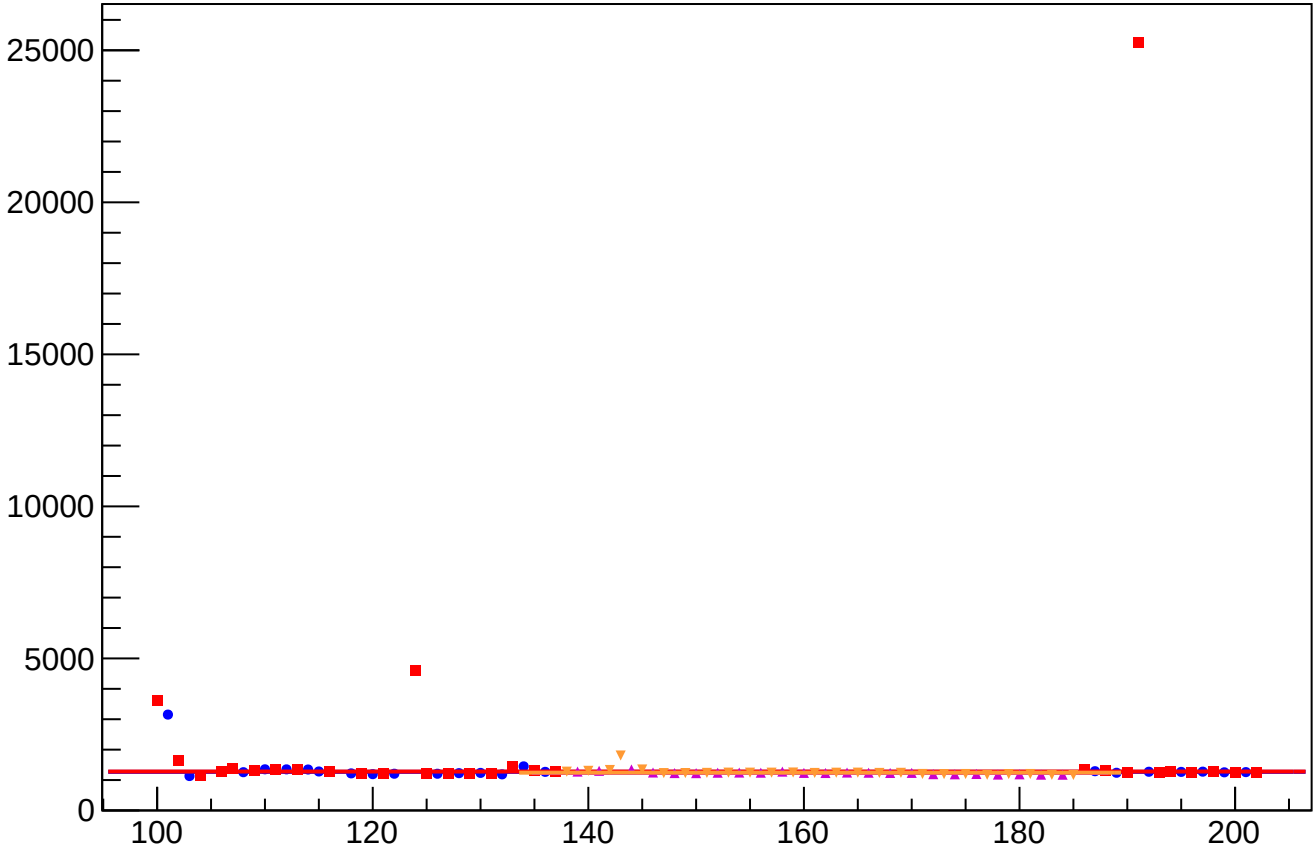
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -6.565+/-223.746 χ^2/NDF: 45.5/47

All: 153.901+/-157.062 χ^2/NDF: 89.6/99

- sign 309.781+/-220.526 χ^2/NDF: 43.1/51

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1269.262+/-0.258 χ^2/NDF: 520505.1/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

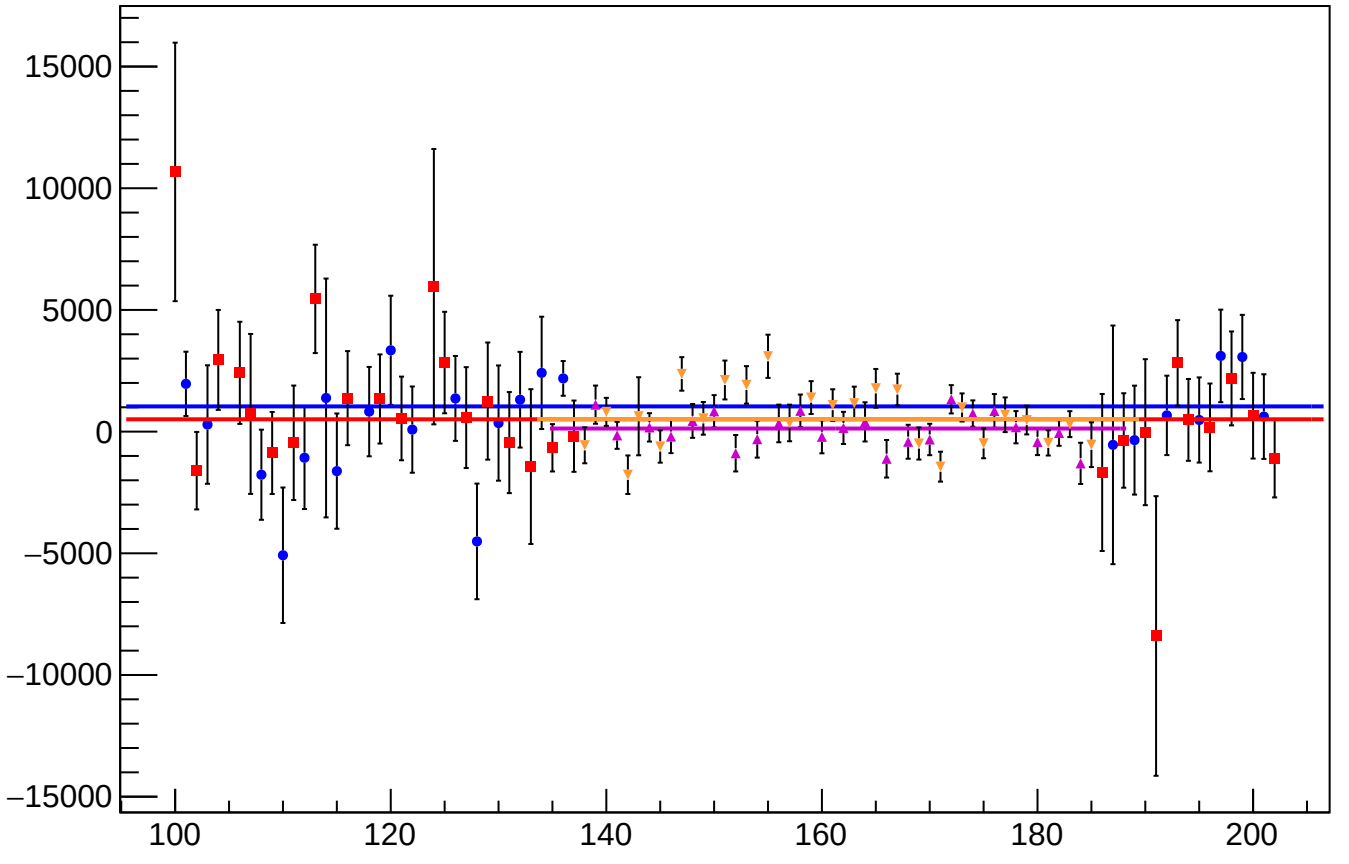
Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730349.8/47

All: 1252.817+/-0.111 χ^2/NDF: 1268098.1/99

- sign 1252.889+/-0.156 χ^2/NDF: 537747.9/51



Right In: 1035.835+/-367.497 χ^2/NDF: 23.2/22

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

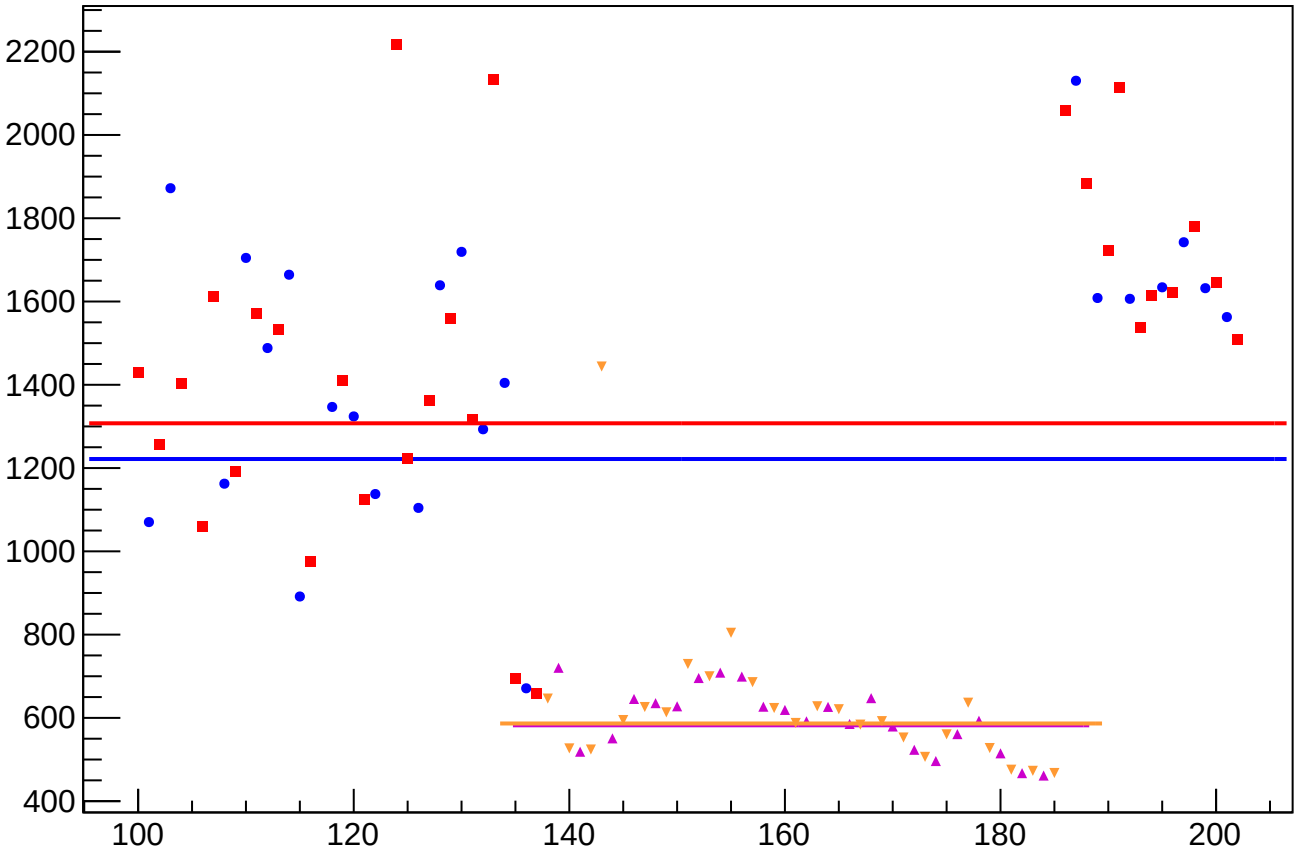
Right Out: 506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 579.126+/-127.337 χ^2/NDF: 91.9/47

All: 378.308+/-90.401 χ^2/NDF: 144.5/99

\- sign 174.252+/-128.360 χ^2/NDF: 47.6/51



Right In: 1221.736+/-0.260 χ^2/NDF: 2393881.7/22

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

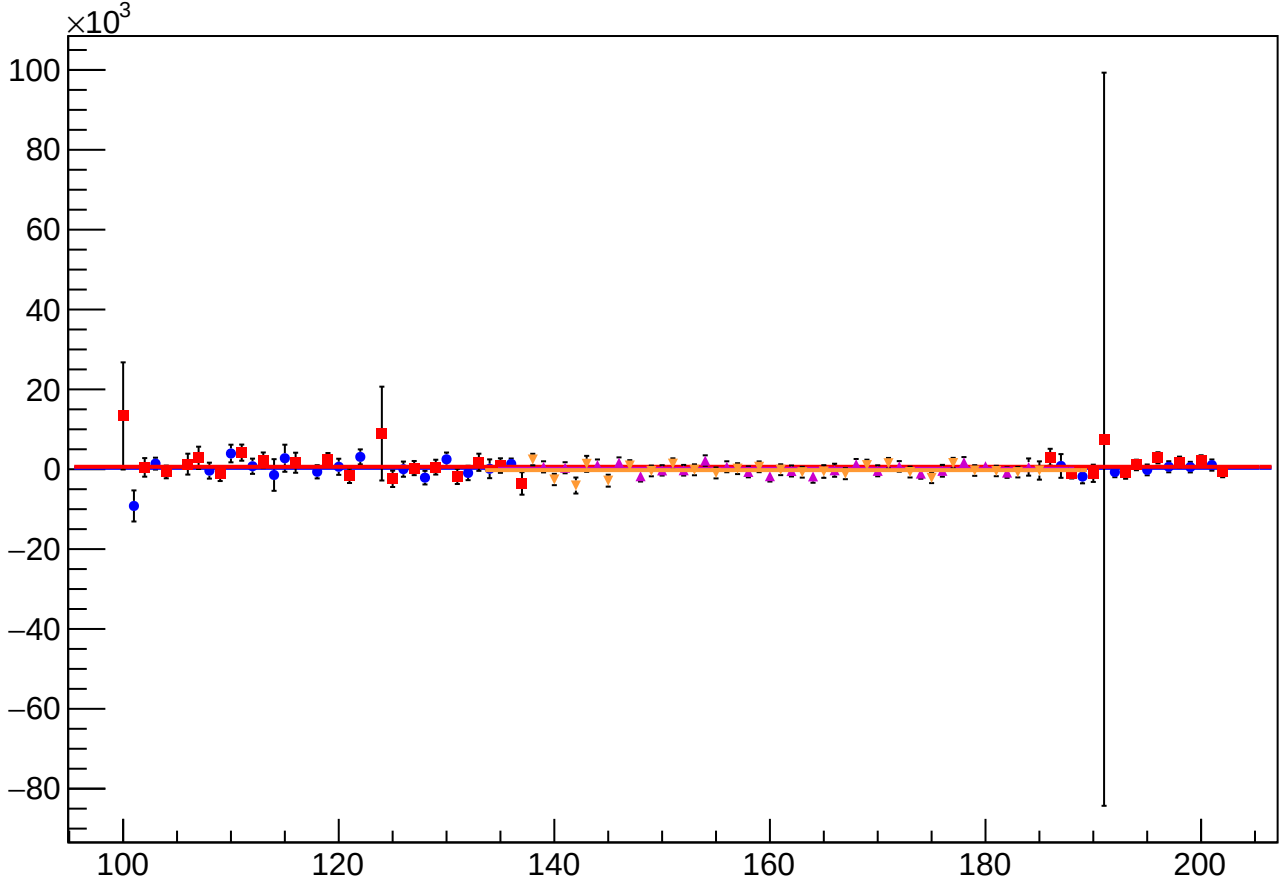
Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 662.822+/-0.090 χ^2/NDF: 8853967.9/47

All: 667.997+/-0.064 χ^2/NDF: 18779183.9/99

- sign 673.255+/-0.091 χ^2/NDF: 9918556.2/51



Right In: 350.182+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 616.661+/-342.503 χ^2/NDF: 27.0/28

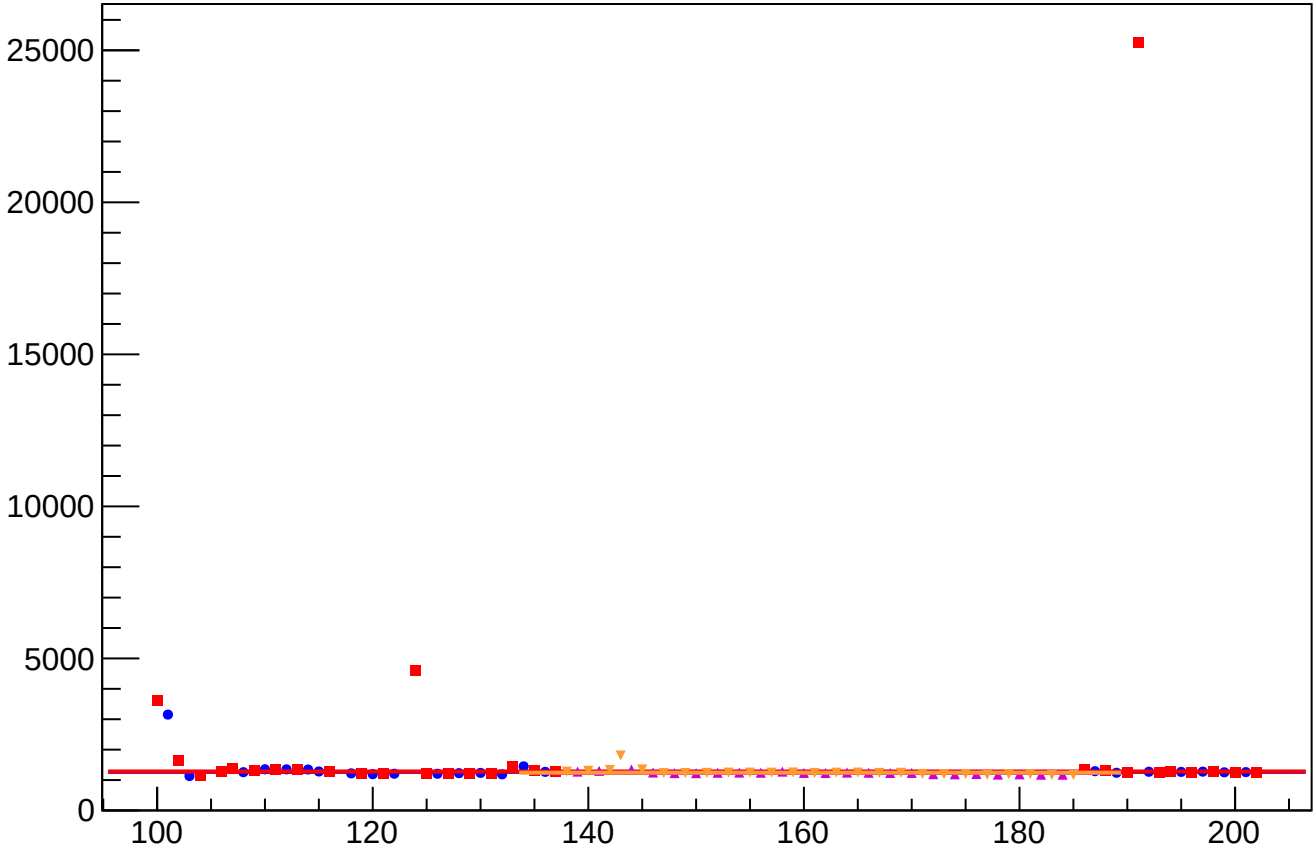
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -6.565+/-223.746 χ^2/NDF: 45.5/47

All: 153.901+/-157.062 χ^2/NDF: 89.6/99

- sign 309.781+/-220.526 χ^2/NDF: 43.1/51

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1269.262+/-0.258 χ^2/NDF: 520505.1/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

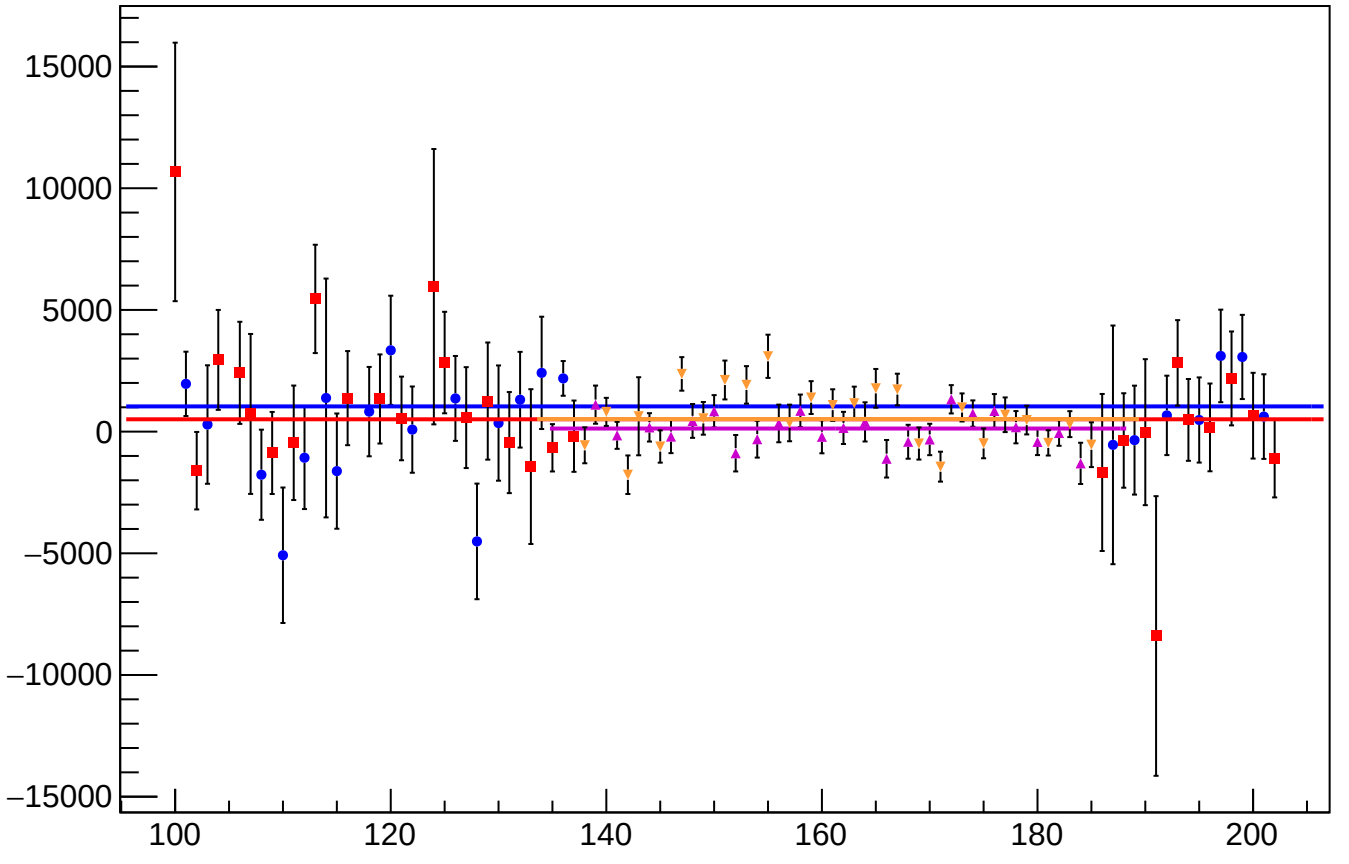
Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730349.8/47

All: 1252.817+/-0.111 χ^2/NDF: 1268098.1/99

- sign 1252.889+/-0.156 χ^2/NDF: 537747.9/51



Right In: 1035.835+/-367.497 χ^2/NDF: 23.2/22

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

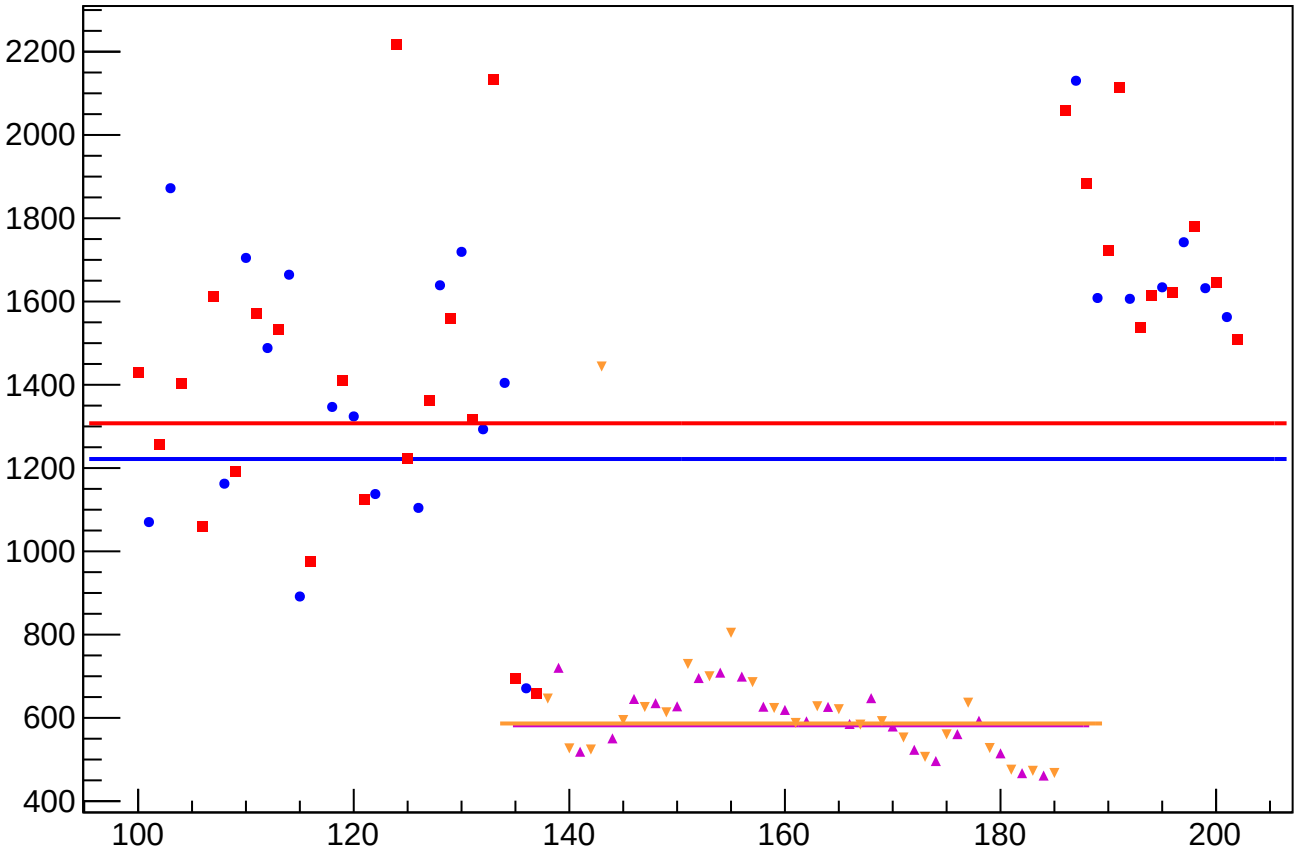
Right Out: 506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 579.126+/-127.337 χ^2/NDF: 91.9/47

All: 378.308+/-90.401 χ^2/NDF: 144.5/99

- sign 174.252+/-128.360 χ^2/NDF: 47.6/51



Right In: 1221.736+/-0.260 χ^2/NDF: 2393881.7/22

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

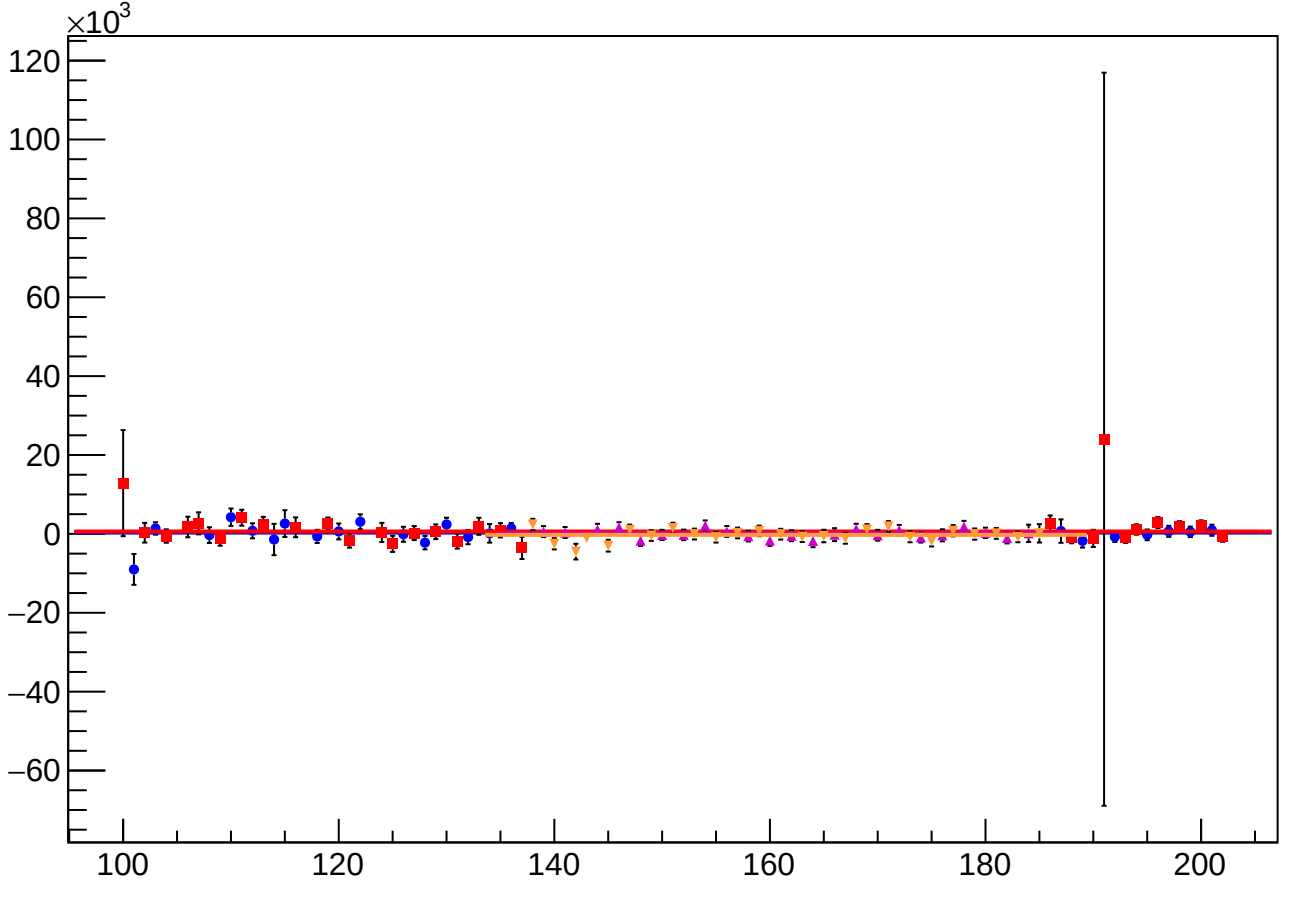
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 662.822+/-0.090 χ^2/NDF: 8853967.9/47

All: 667.997+/-0.064 χ^2/NDF: 18779183.9/99

- sign 673.255+/-0.091 χ^2/NDF: 9918556.2/51

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 336.141+/-366.892 χ^2/NDF: 20.0/22

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 607.818+/-341.280 χ^2/NDF: 26.5/28

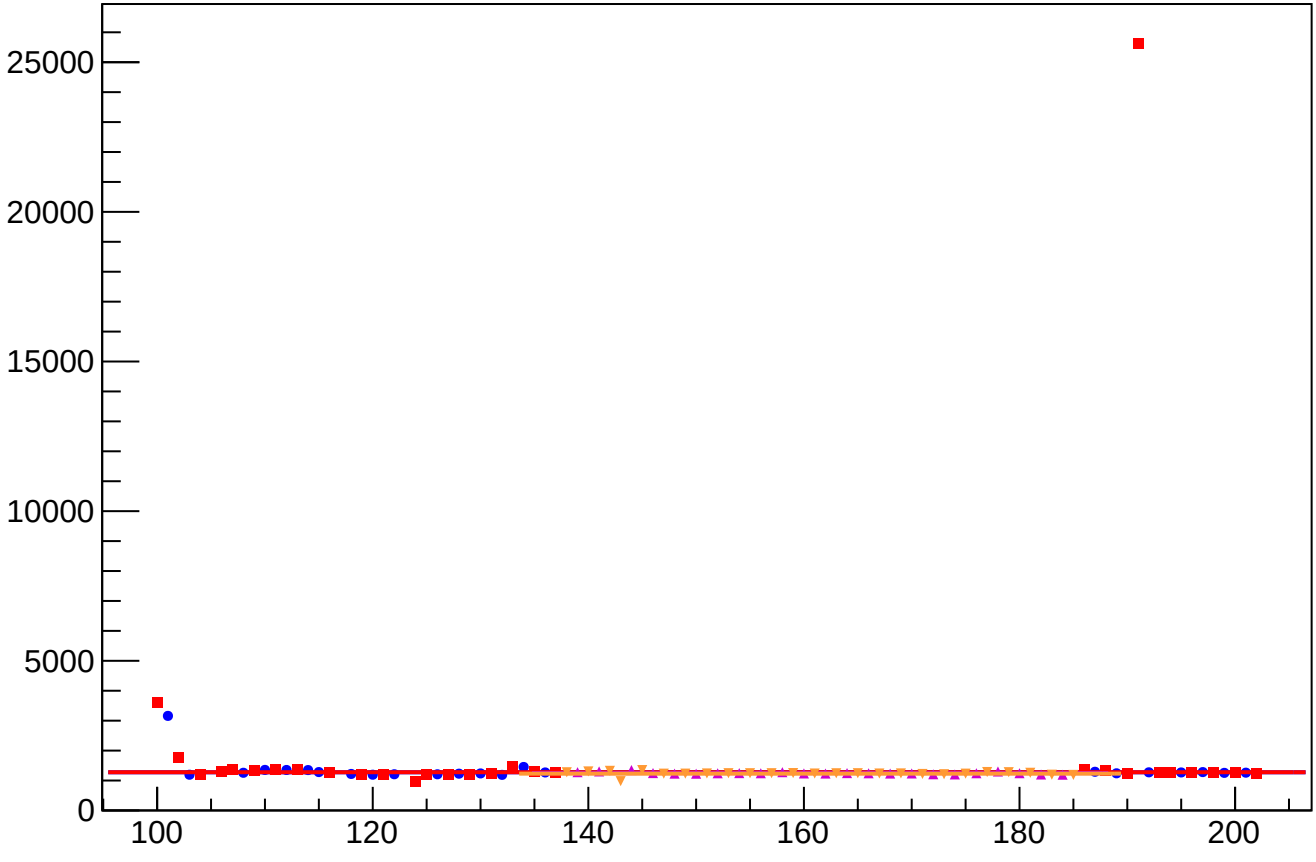
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -34.878+/-222.547 χ^2/NDF: 45.7/47

All: 133.071+/-157.040 χ^2/NDF: 88.7/99

- sign 299.645+/-221.634 χ^2/NDF: 41.9/51

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1275.075+/-0.259 χ^2/NDF: 508917.7/22

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

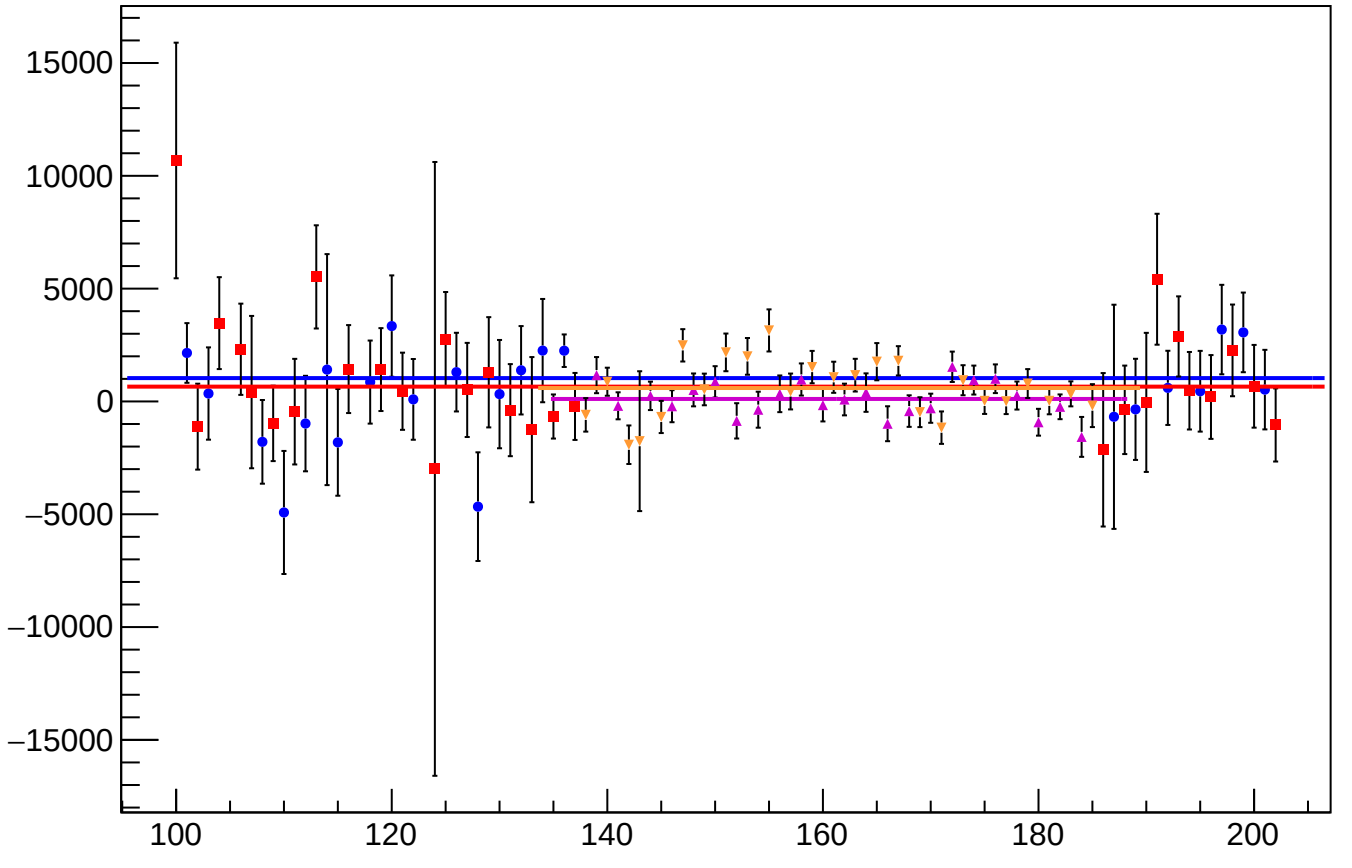
Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.3/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.576+/-0.157 χ^2/NDF: 669617.8/47

All: 1253.486+/-0.111 χ^2/NDF: 1079522.6/99

- sign 1260.339+/-0.157 χ^2/NDF: 406064.3/51



Right In: 1034.739+/-368.861 χ^2/NDF: 23.7/22

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 656.432+/-366.987 χ^2/NDF: 24.2/28

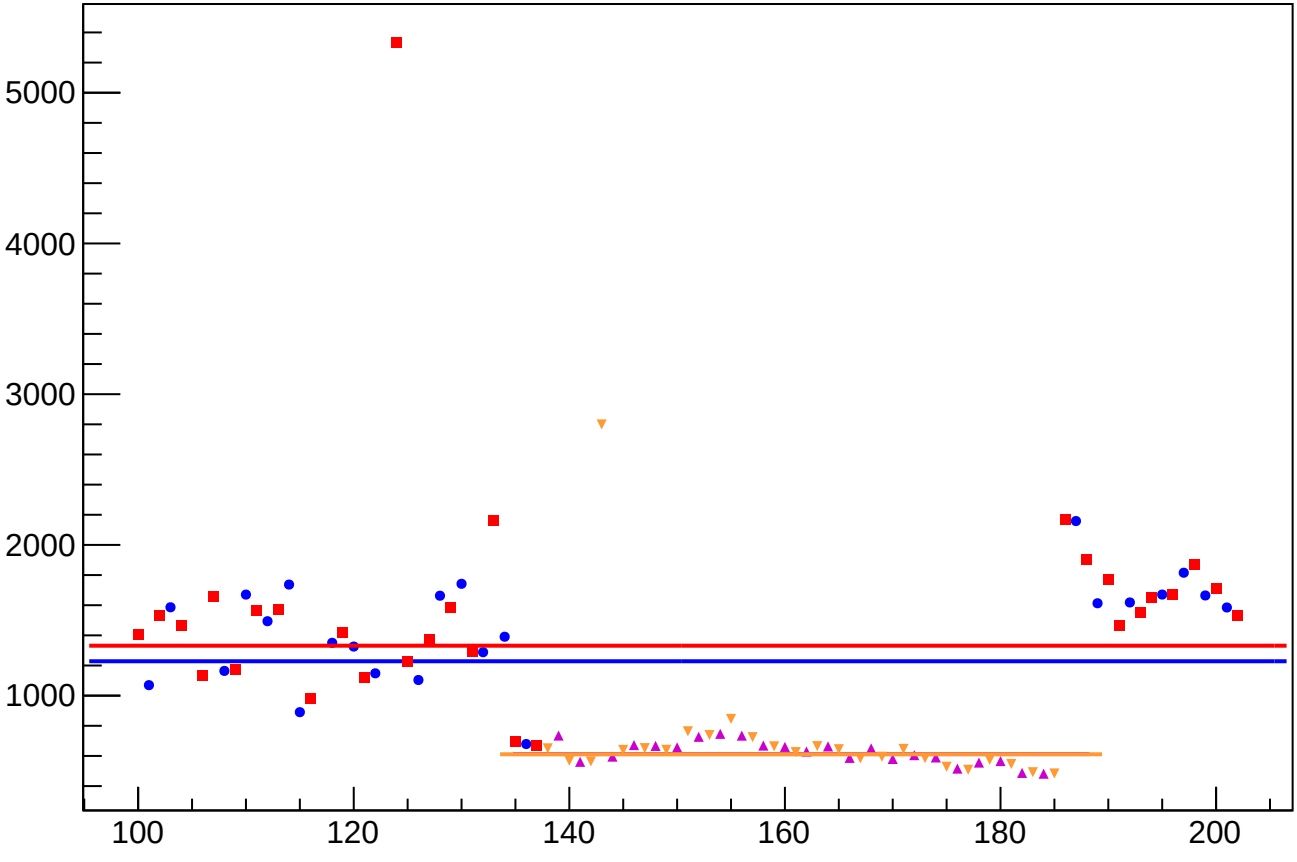
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 651.849+/-132.625 χ^2/NDF: 82.3/47

All: 420.418+/-94.345 χ^2/NDF: 140.3/99

- sign 183.329+/-134.237 χ^2/NDF: 51.8/51

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1228.185+/-0.261 χ^2/NDF: 2335879.3/22

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1331.392+/-0.259 χ^2/NDF: 2561643.1/28

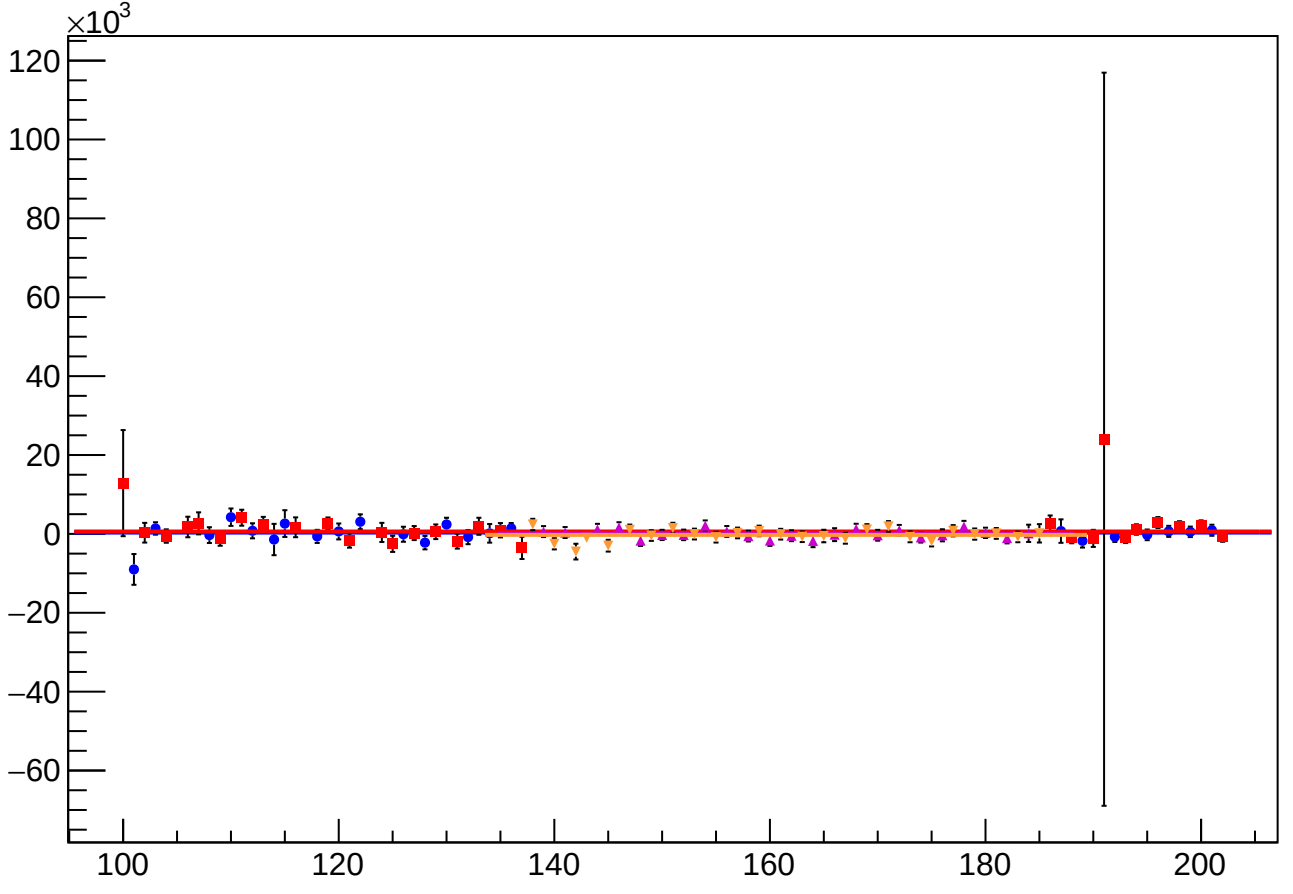
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 690.864+/-0.094 χ^2/NDF: 8829268.4/47

All: 699.624+/-0.067 χ^2/NDF: 18566801.1/99

- sign 708.597+/-0.095 χ^2/NDF: 9719870.9/51

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 336.142+/-366.892 χ^2/NDF: 20.0/22

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 607.819+/-341.280 χ^2/NDF: 26.5/28

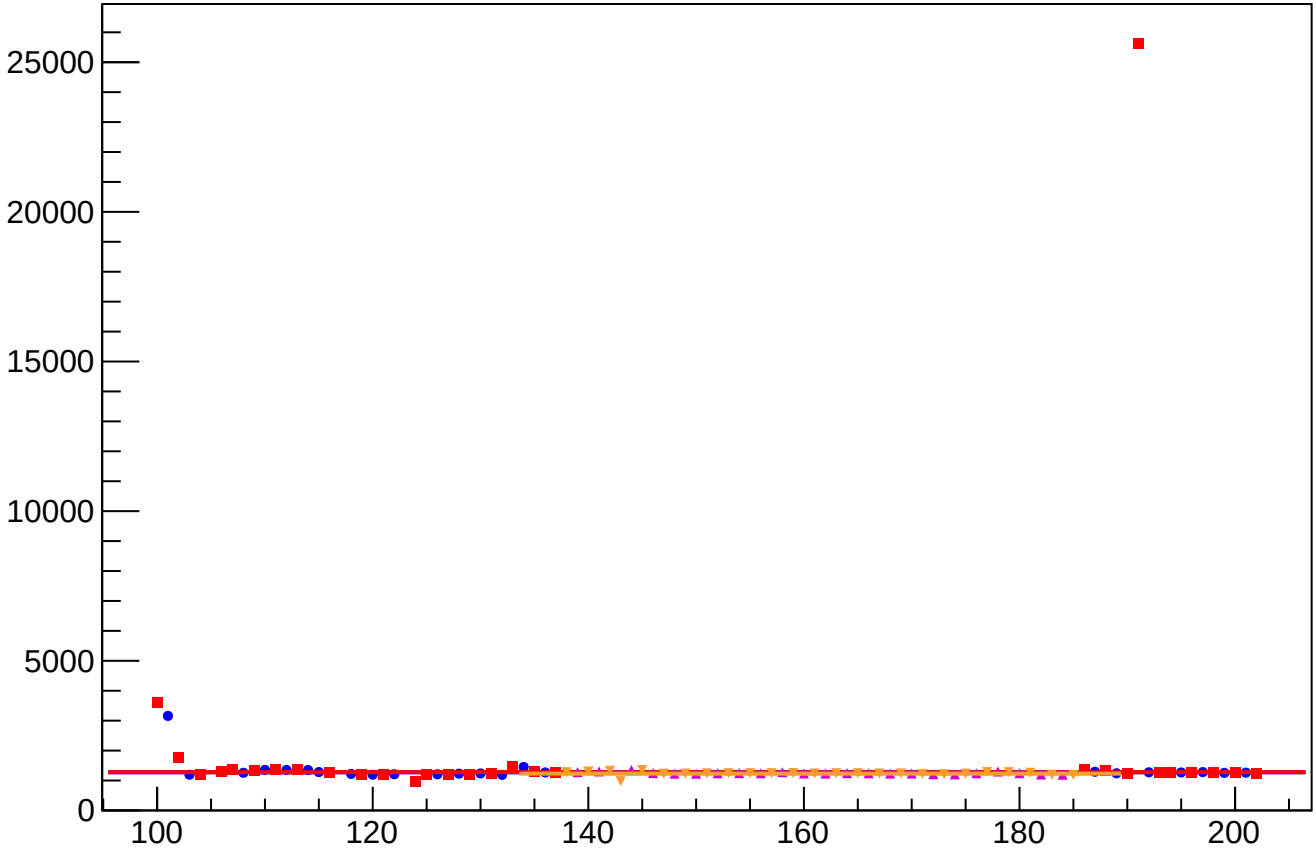
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -34.879+/-222.547 χ^2/NDF: 45.7/47

All: 133.071+/-157.040 χ^2/NDF: 88.7/99

- sign 299.645+/-221.634 χ^2/NDF: 41.9/51

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1275.075+/-0.259 χ^2/NDF: 508917.8/22

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

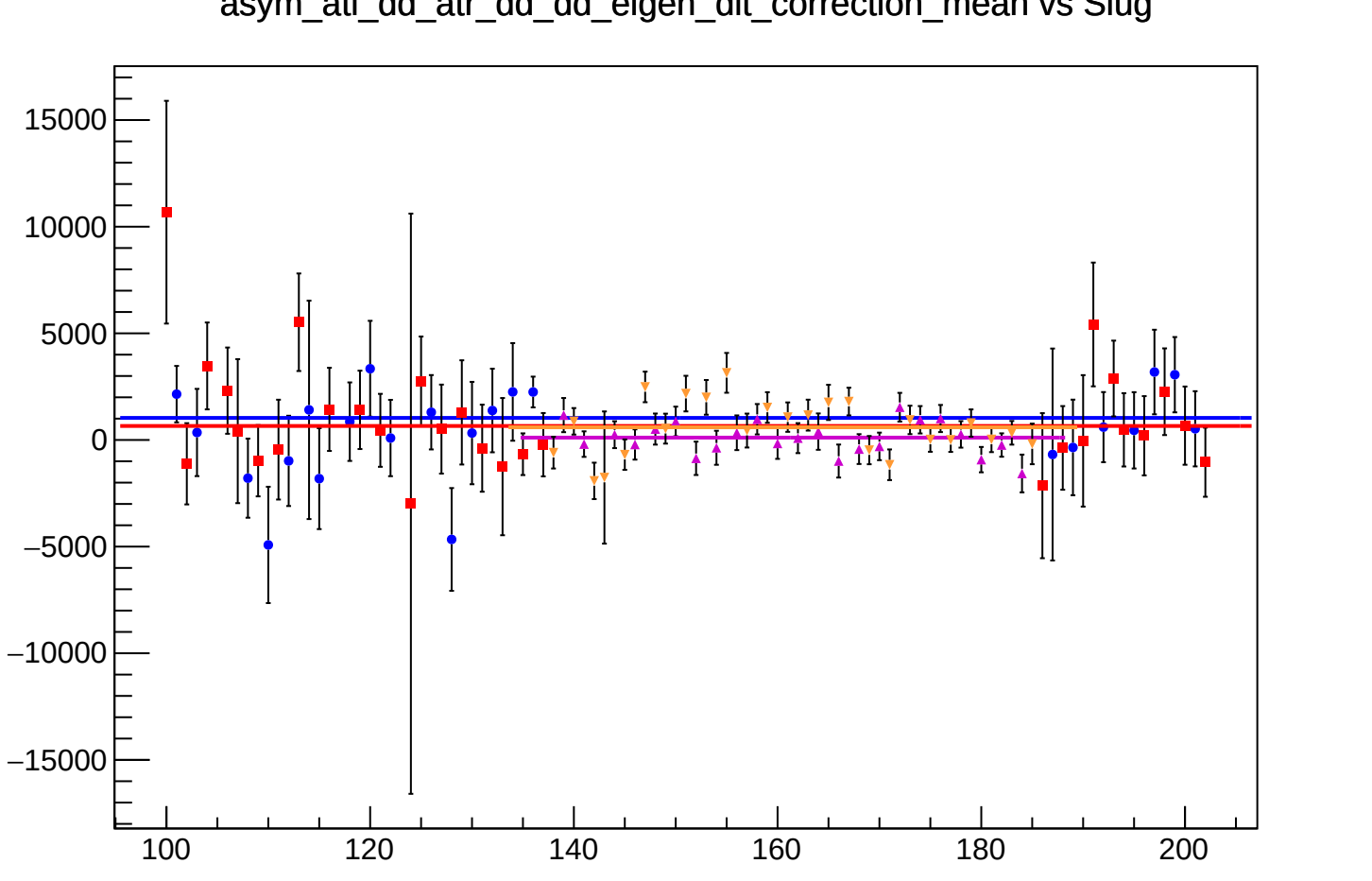
Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.2/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.576+/-0.157 χ^2/NDF: 669616.9/47

All: 1253.486+/-0.111 χ^2/NDF: 1079521.6/99

- sign 1260.339+/-0.157 χ^2/NDF: 406064.2/51



Right In: 1034.736+/-368.862 χ^2/NDF: 23.7/22

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

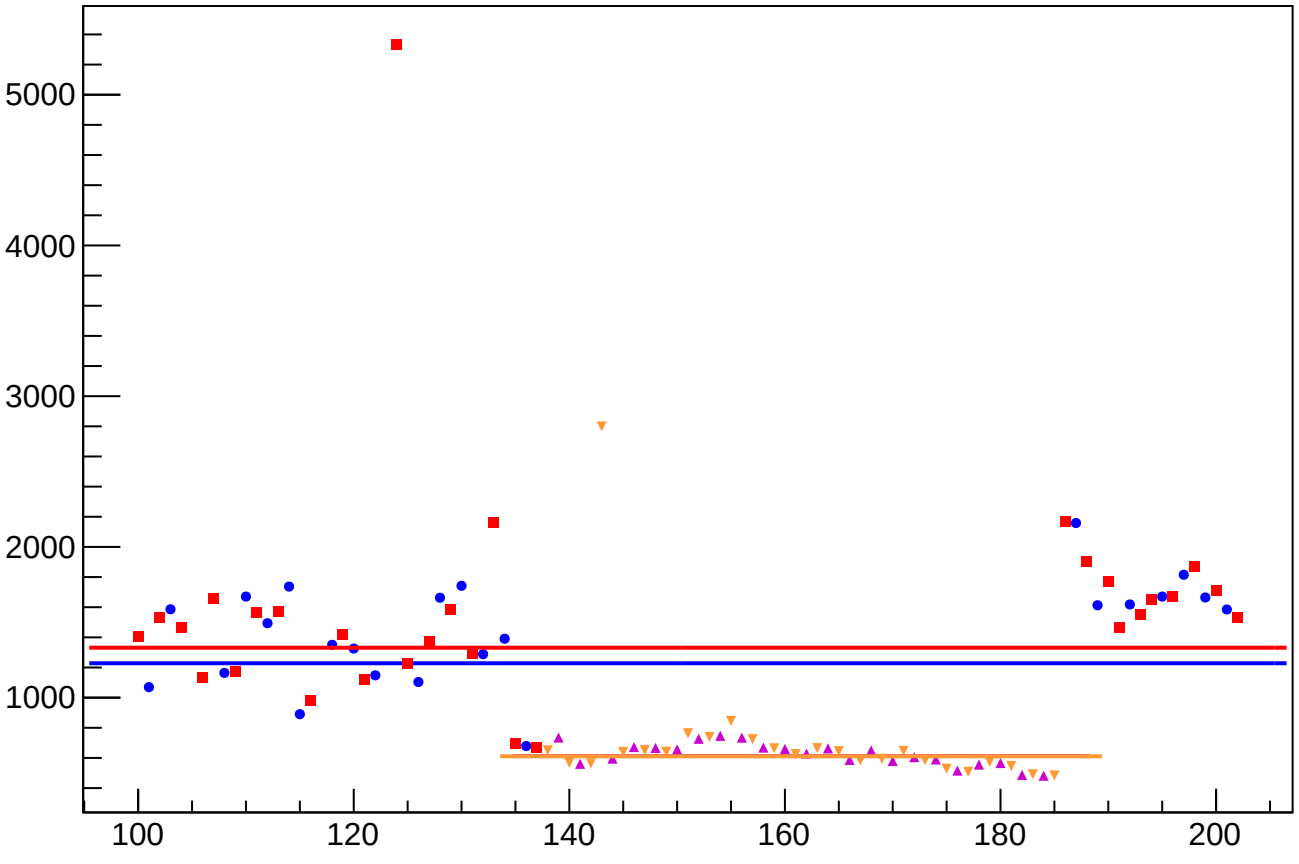
Right Out: 656.442+/-366.988 χ^2/NDF: 24.2/28

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 651.848+/-132.625 χ^2/NDF: 82.3/47

All: 420.418+/-94.345 χ^2/NDF: 140.3/99

- sign 183.329+/-134.237 χ^2/NDF: 51.8/51



Right In: 1228.190+/-0.261 χ^2/NDF: 2335800.8/22

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1331.398+/-0.259 χ^2/NDF: 2561563.7/28

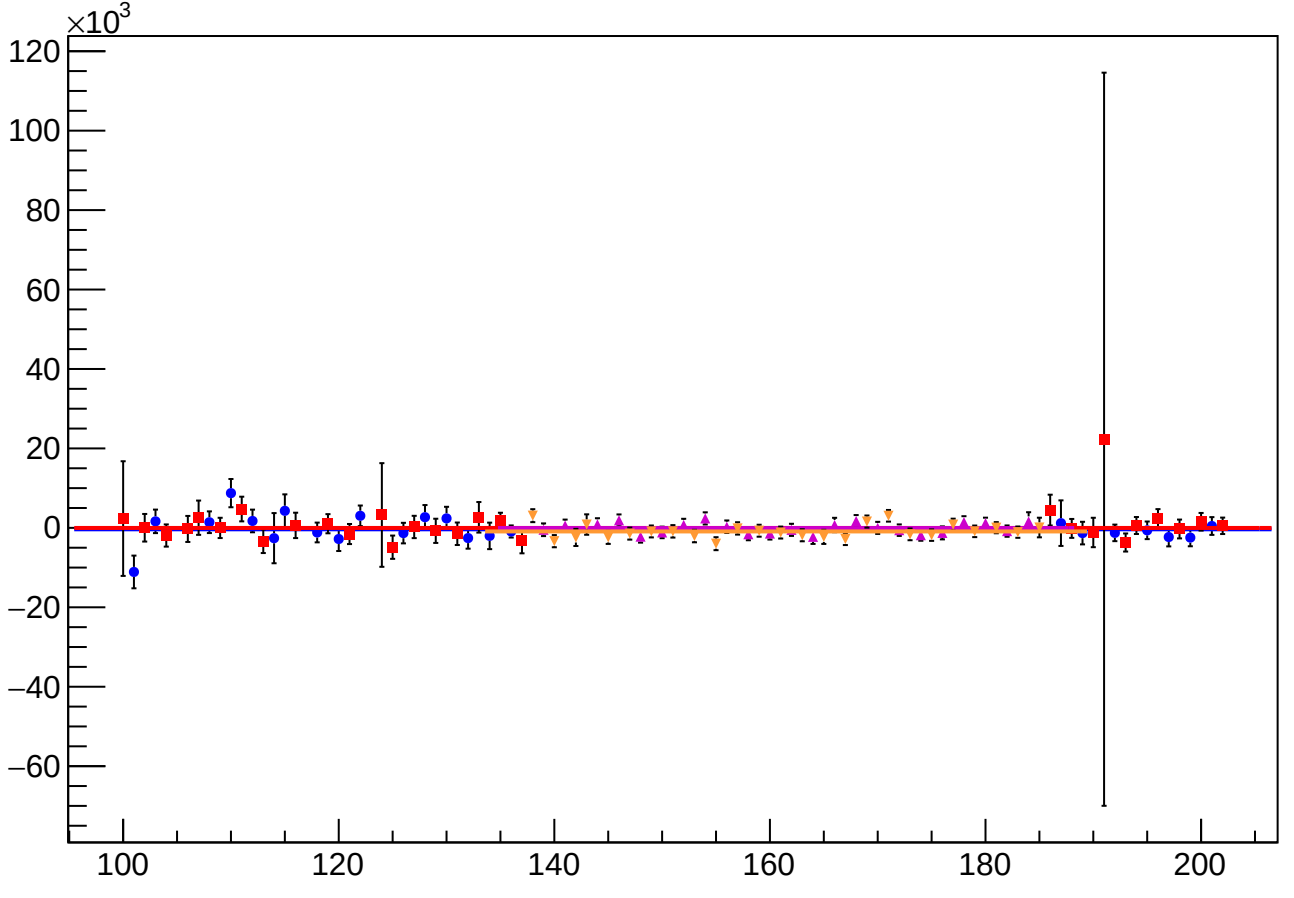
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 690.864+/-0.094 χ^2/NDF: 8829257.5/47

All: 699.624+/-0.067 χ^2/NDF: 18566802.3/99

- sign 708.597+/-0.095 χ^2/NDF: 9719884.1/51

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -363.999+/-556.927 χ^2/NDF: 23.8/22

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -24.195+/-528.888 χ^2/NDF: 16.4/28

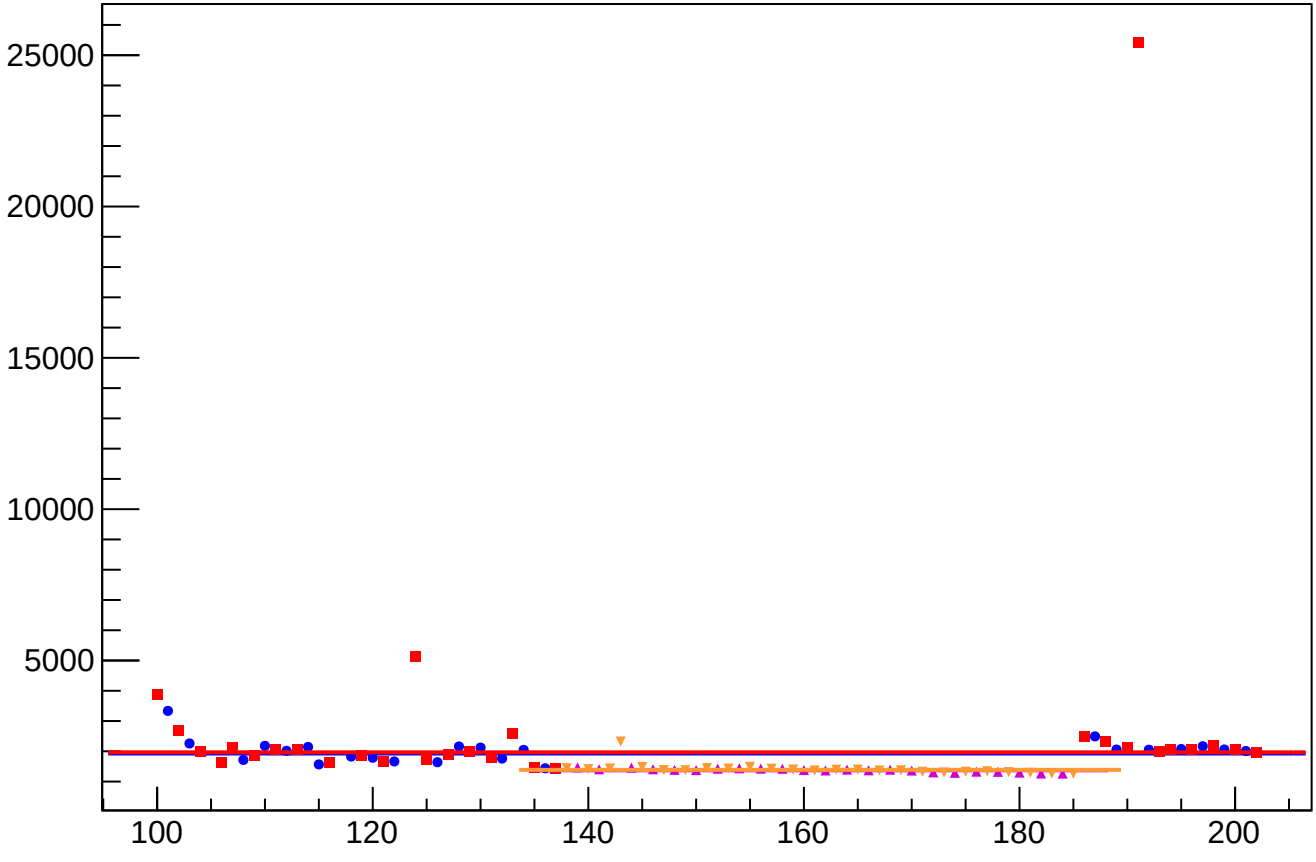
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -769.104+/-275.136 χ^2/NDF: 54.4/47

All: -404.397+/-194.278 χ^2/NDF: 92.1/99

- sign -41.724+/-274.368 χ^2/NDF: 34.2/51

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1927.017+/-0.394 χ^2/NDF: 658971.7/22

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

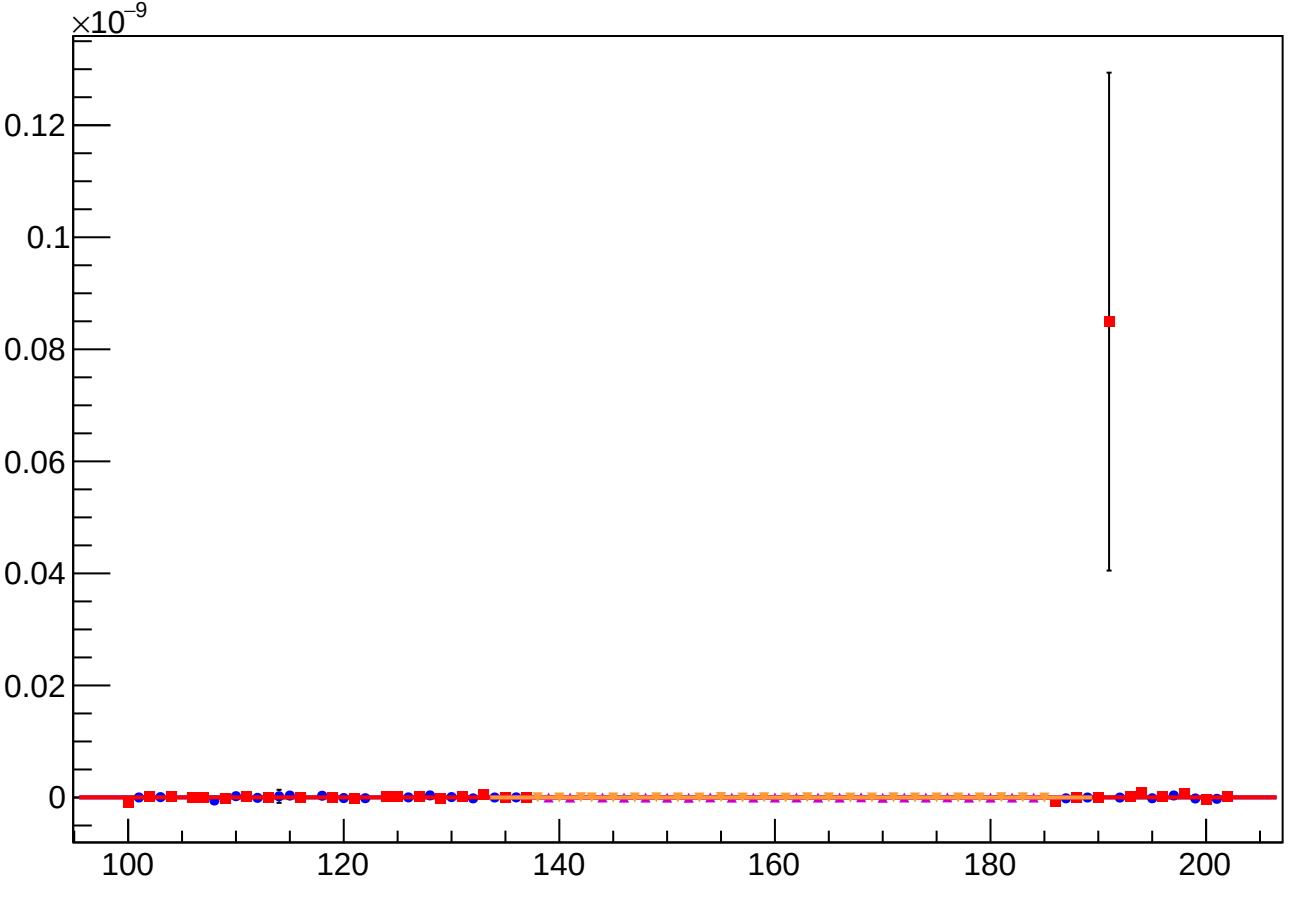
Right Out: 1966.264+/-0.374 χ^2/NDF: 814351.7/28

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1518.680+/-0.195 χ^2/NDF: 2421046.2/47

All: 1525.768+/-0.137 χ^2/NDF: 5140471.8/99

- sign 1532.817+/-0.194 χ^2/NDF: 2716778.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

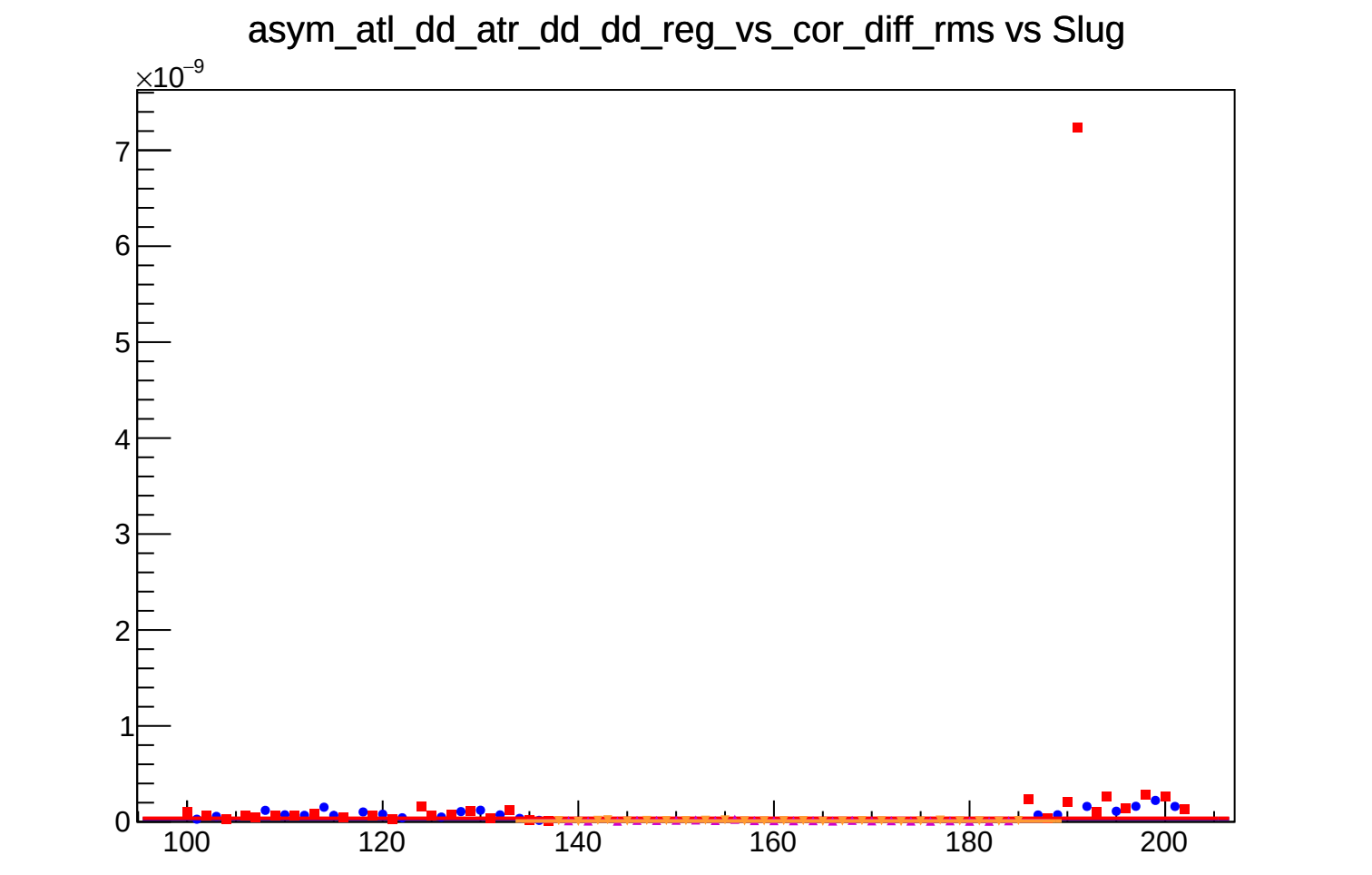
Right Out: 0.000+/-0.000 χ^2/NDF: 43.3/28

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/47

All: 0.000+/-0.000 χ^2/NDF: 104.4/99

- sign -0.000+/-0.000 χ^2/NDF: 58.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 5250732.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5945768.5/28

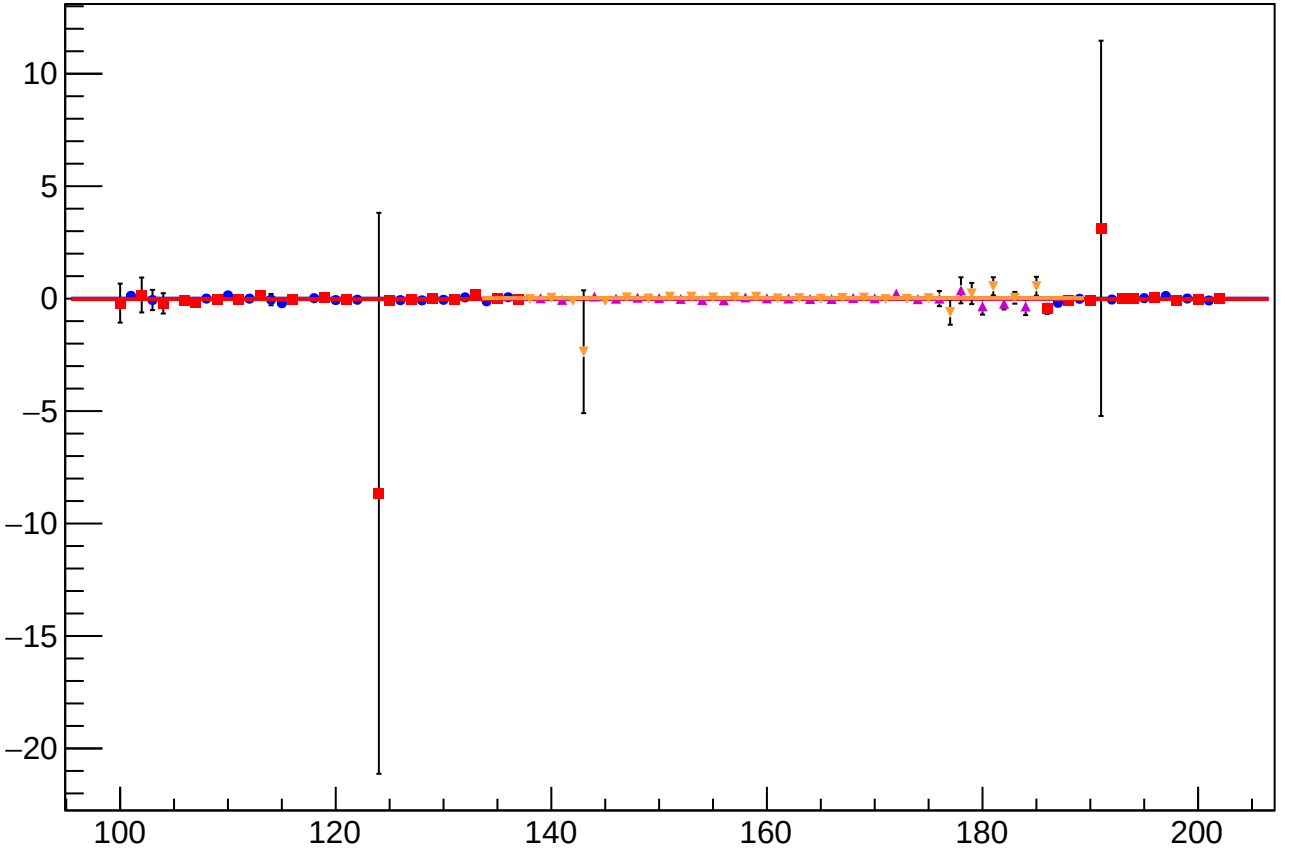
Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10169659.4/47

All: 0.000+/-0.000 χ^2/NDF: 20668909.8/99

- sign 0.000+/-0.000 χ^2/NDF: 10221603.0/51

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.016+/-0.013 χ^2/NDF: 21.5/28

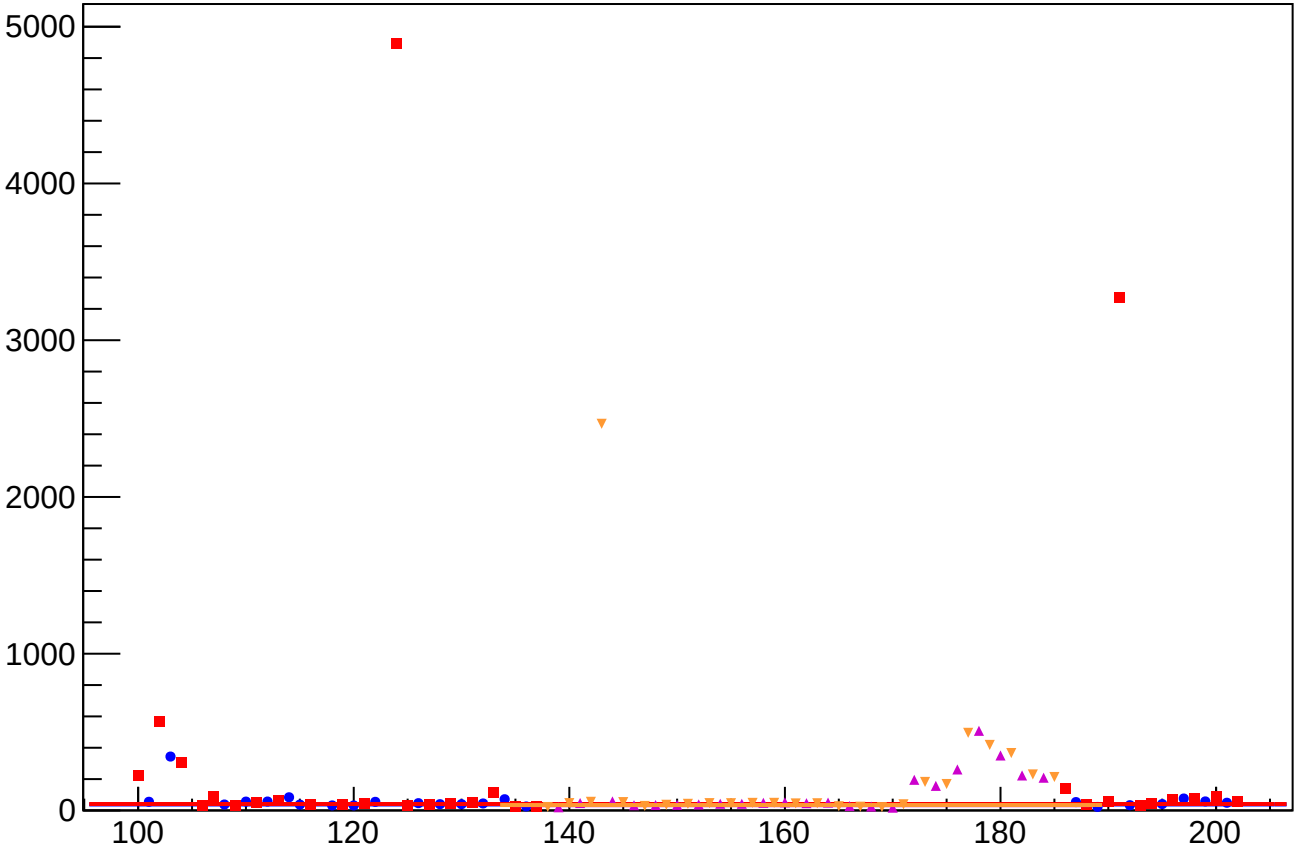
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.008 χ^2/NDF: 51.8/47

All: 0.007+/-0.006 χ^2/NDF: 92.0/99

- sign 0.000+/-0.008 χ^2/NDF: 38.8/51

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 38.152+/-0.009 χ^2/NDF: 2959741.5/22

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

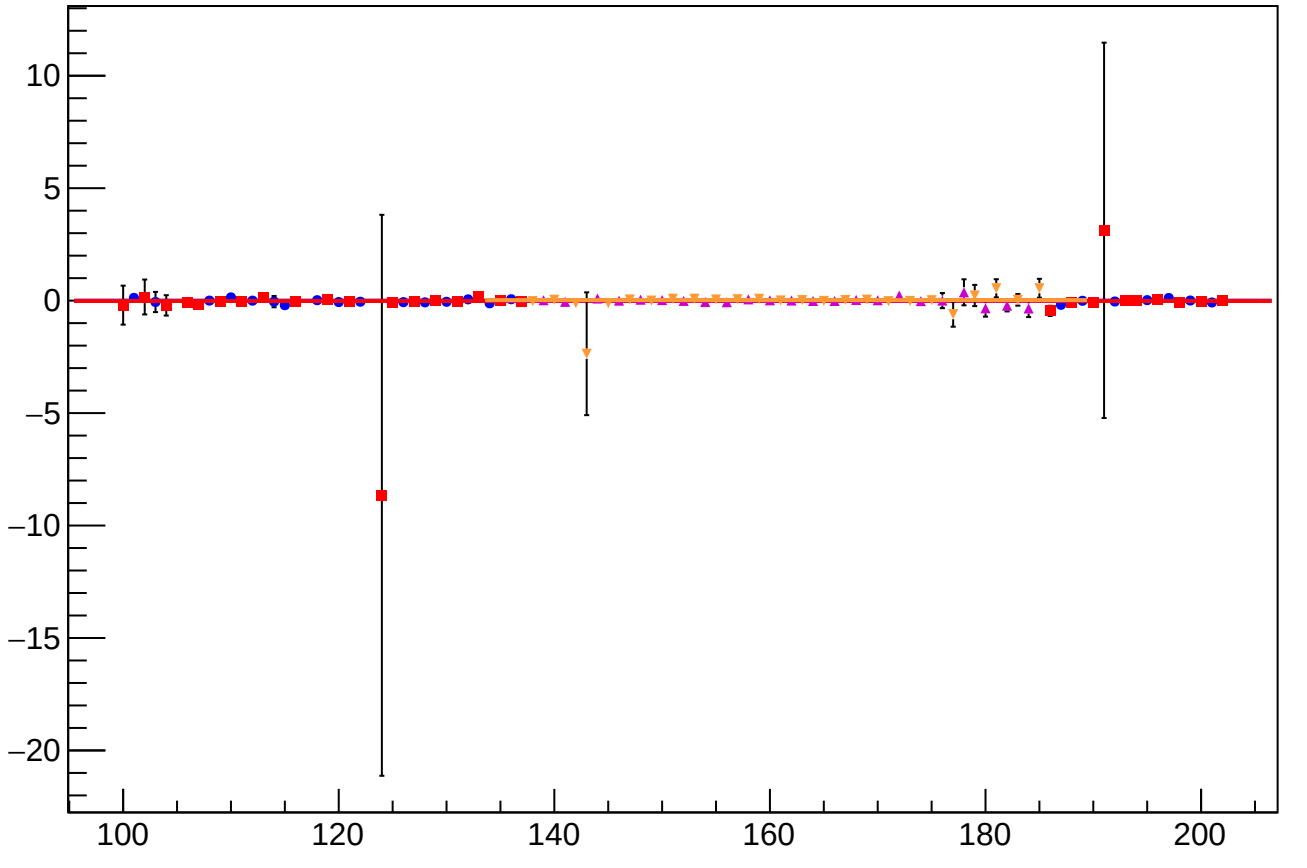
Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 36.024+/-0.006 χ^2/NDF: 14457079.7/47

All: 36.201+/-0.004 χ^2/NDF: 30325067.9/99

- sign 36.377+/-0.006 χ^2/NDF: 15866000.2/51



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

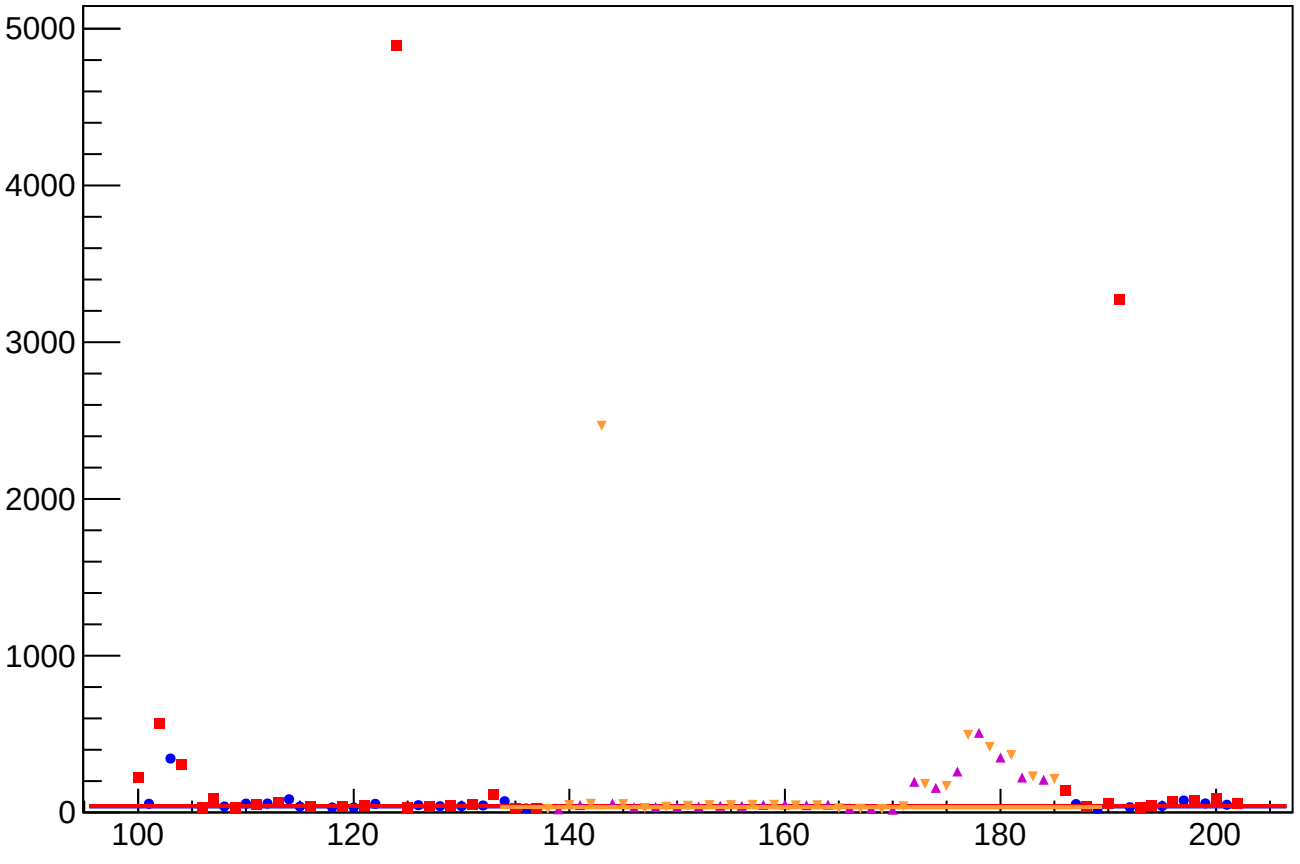
Right Out: -0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.008 χ^2/NDF: 51.8/47

All: 0.007+/-0.006 χ^2/NDF: 92.0/99

- sign 0.000+/-0.008 χ^2/NDF: 38.8/51



Right In: 38.152+/-0.009 χ^2/NDF: 2959741.5/22

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

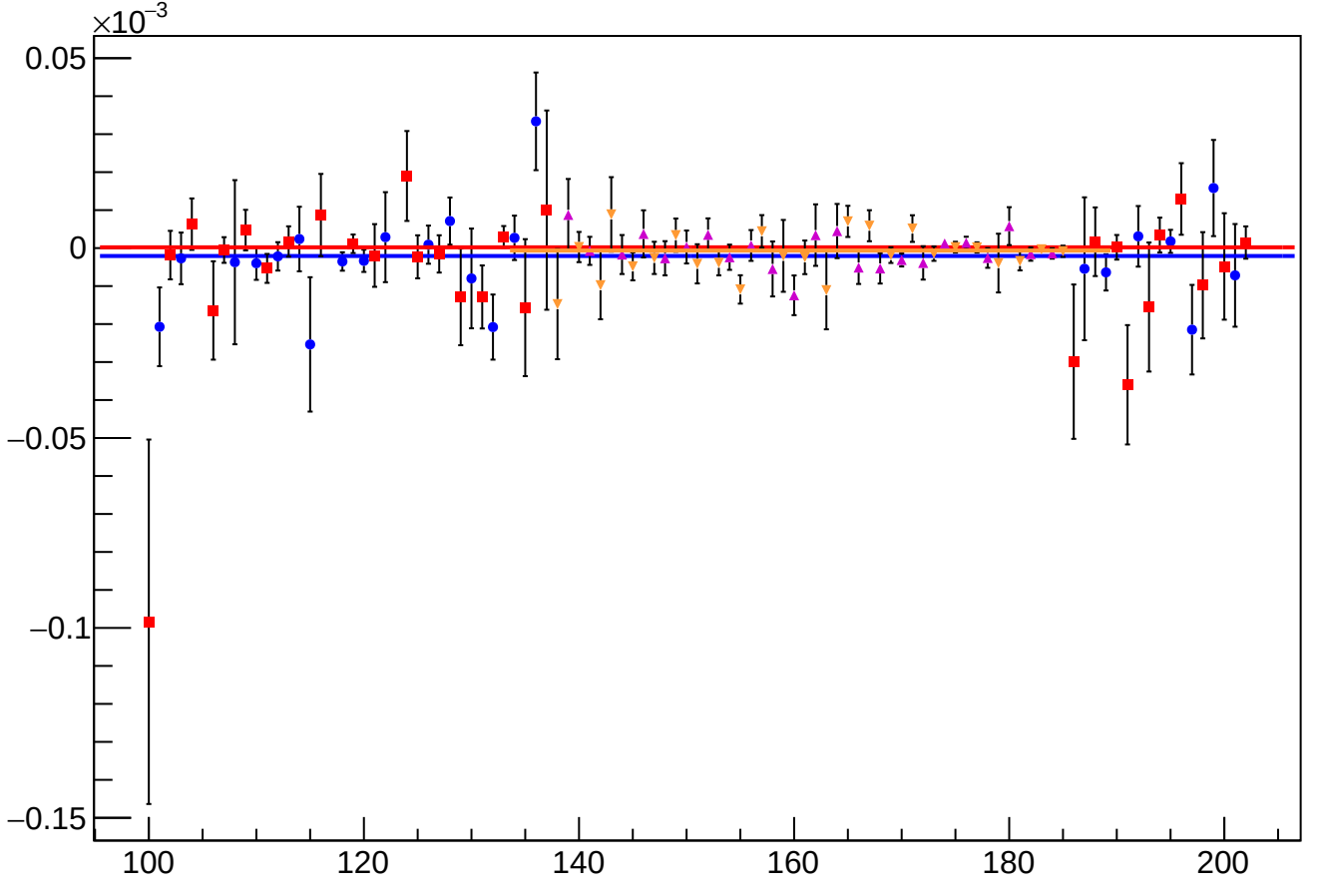
Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 36.024+/-0.006 χ^2/NDF: 14457079.7/47

All: 36.201+/-0.004 χ^2/NDF: 30325067.9/99

- sign 36.377+/-0.006 χ^2/NDF: 15866000.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

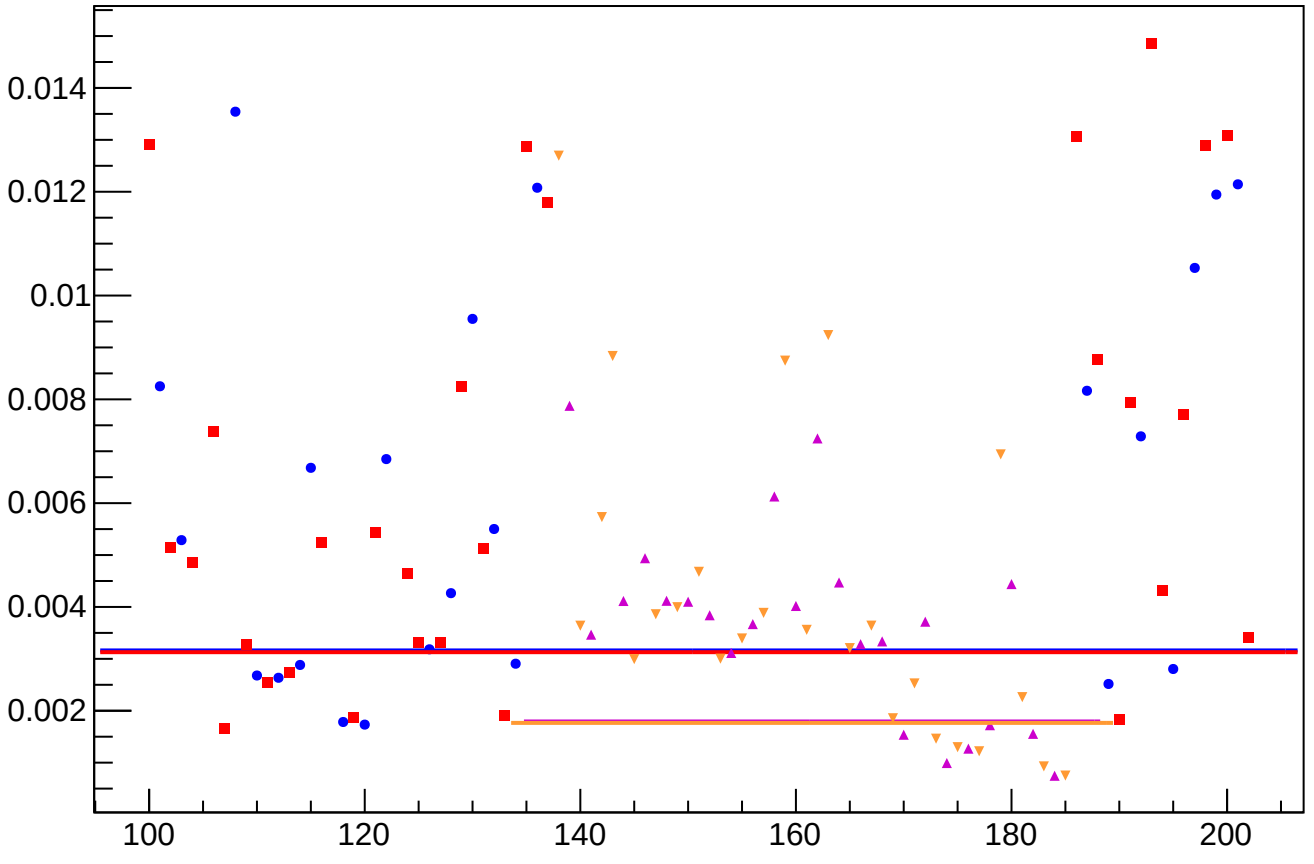
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/28

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.4/47

All: -0.000+/-0.000 χ^2/NDF: 112.6/99

- sign -0.000+/-0.000 χ^2/NDF: 52.8/51



Right In: 0.003+/-0.000 χ^2/NDF: 7615520.0/22

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

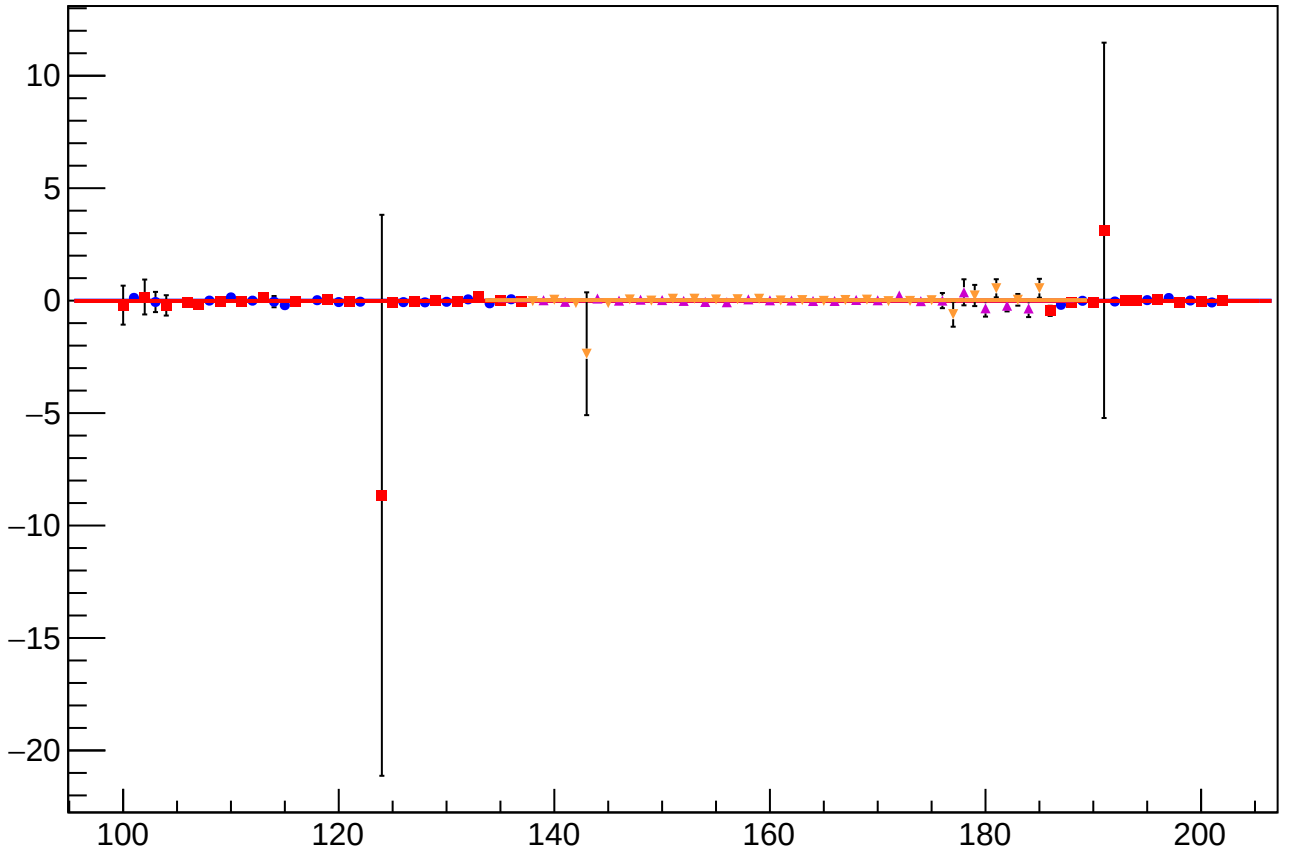
Right Out: 0.003+/-0.000 χ^2/NDF: 8809245.7/28

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 23054372.2/47

All: 0.002+/-0.000 χ^2/NDF: 45345025.5/99

- sign 0.002+/-0.000 χ^2/NDF: 22255681.6/51



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

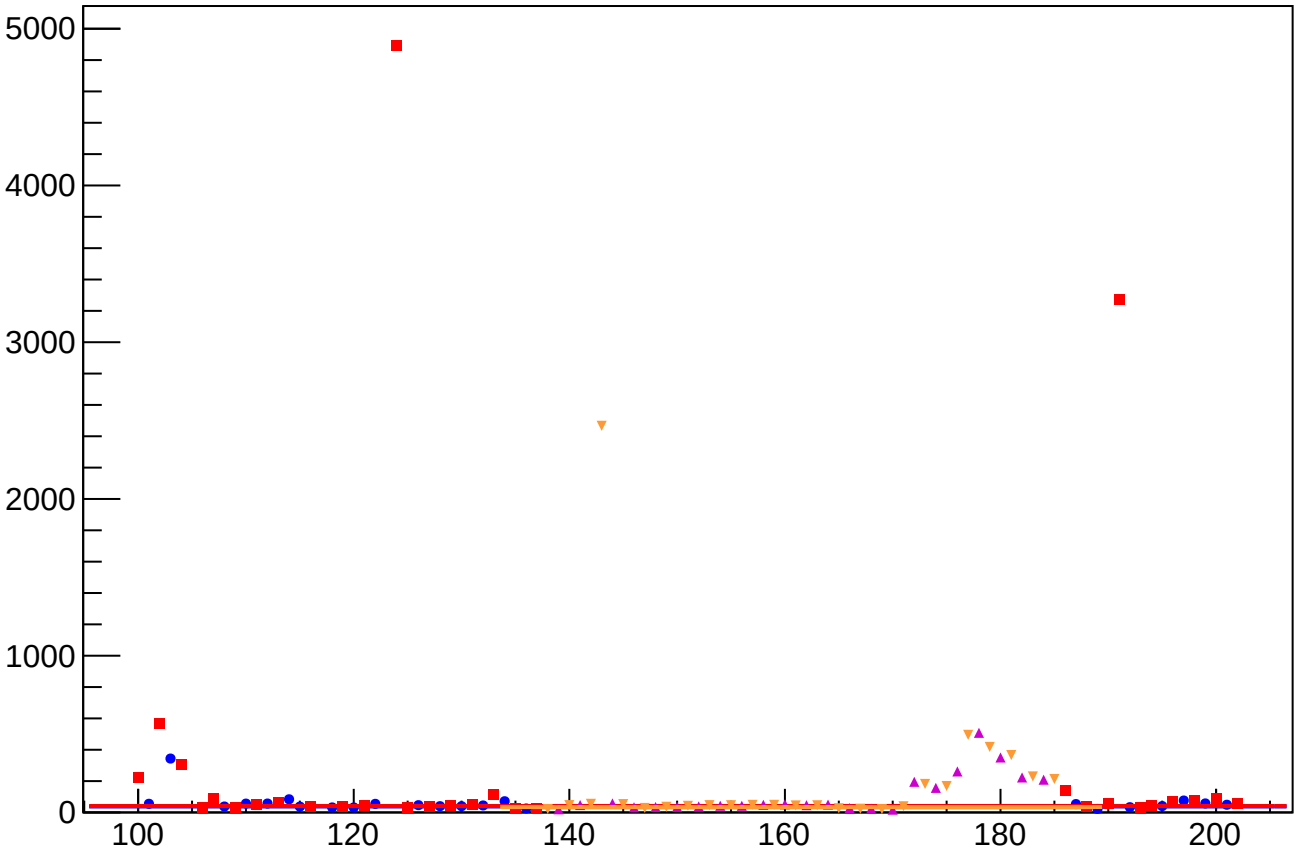
Right Out: -0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.008 χ^2/NDF: 51.8/47

All: 0.007+/-0.006 χ^2/NDF: 92.0/99

- sign 0.000+/-0.008 χ^2/NDF: 38.8/51



Right In: 38.154+/-0.009 χ^2/NDF: 2958913.6/22

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

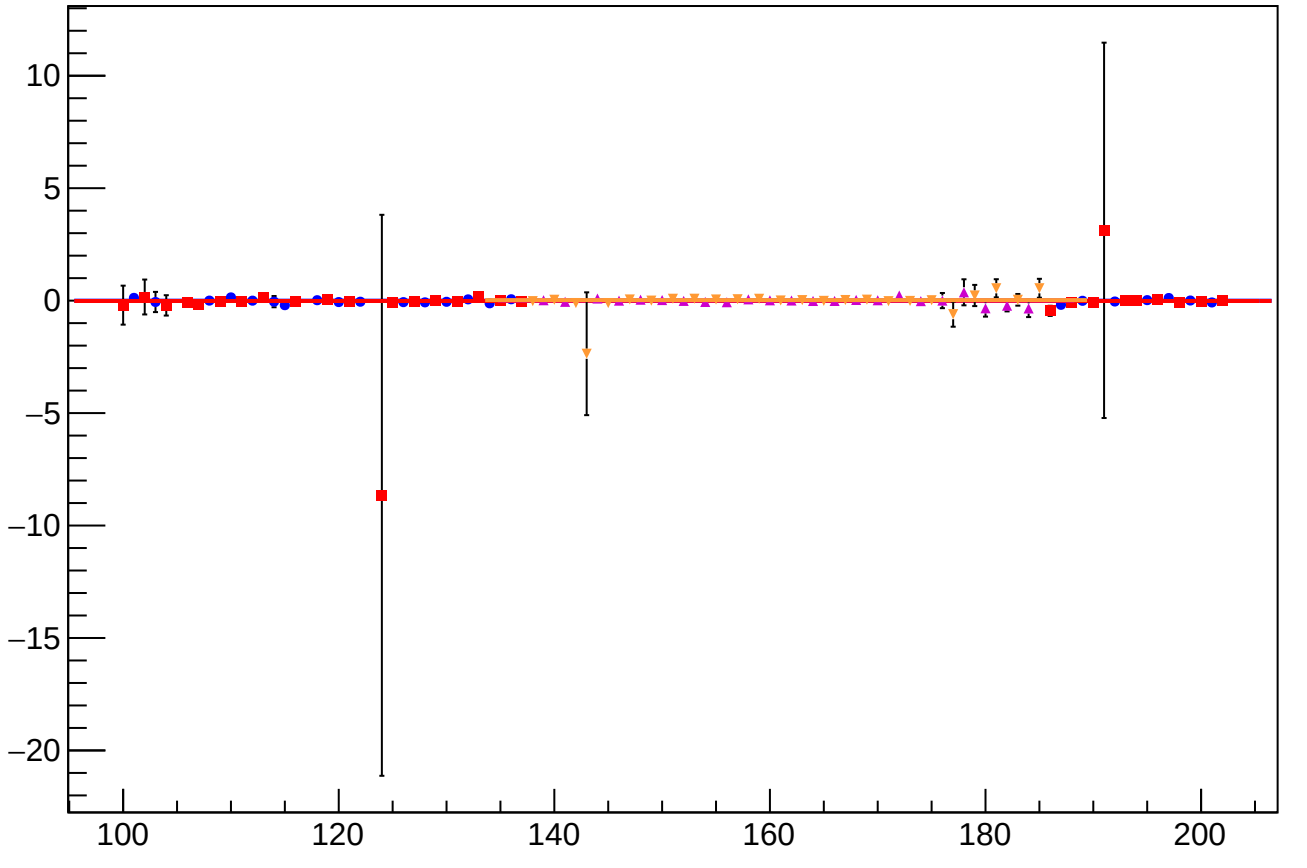
Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 36.024+/-0.006 χ^2/NDF: 14456525.0/47

All: 36.202+/-0.004 χ^2/NDF: 30322858.2/99

- sign 36.378+/-0.006 χ^2/NDF: 15864327.0/51



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

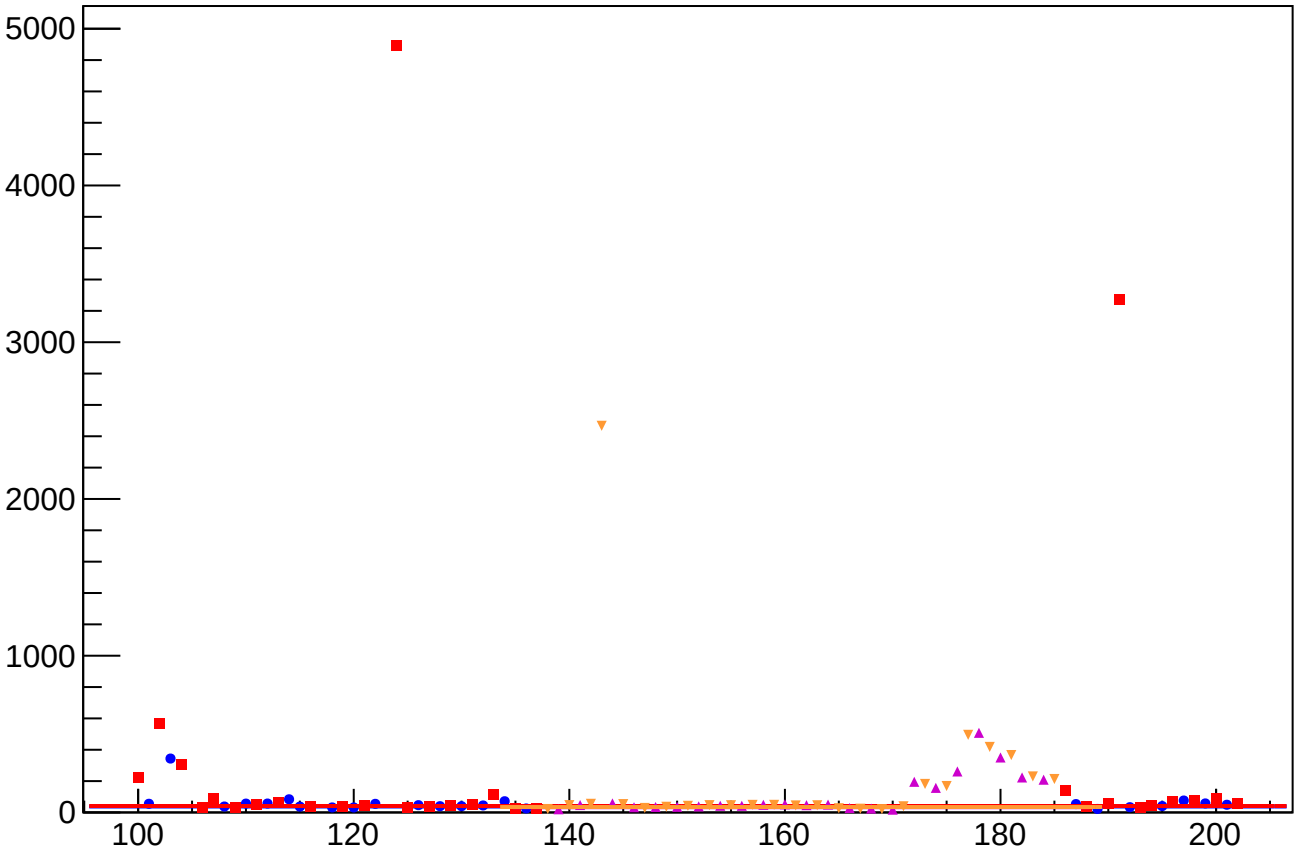
Right Out: -0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.008 χ^2/NDF: 51.8/47

All: 0.007+/-0.006 χ^2/NDF: 92.0/99

- sign 0.000+/-0.008 χ^2/NDF: 38.8/51



Right In: 38.154+/-0.009 χ^2/NDF: 2958913.6/22

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

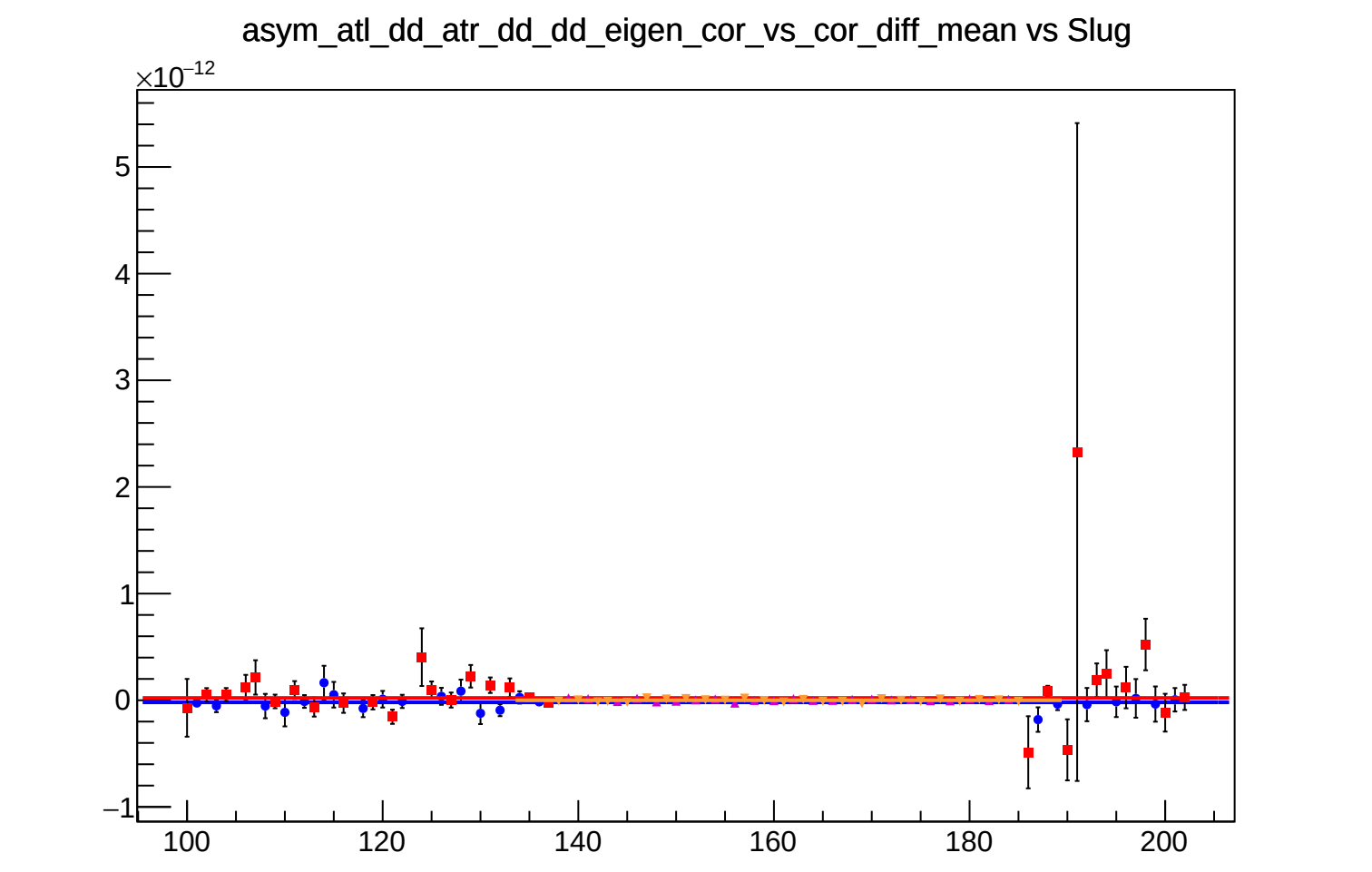
Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 36.024+/-0.006 χ^2/NDF: 14456525.0/47

All: 36.202+/-0.004 χ^2/NDF: 30322858.2/99

- sign 36.378+/-0.006 χ^2/NDF: 15864327.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

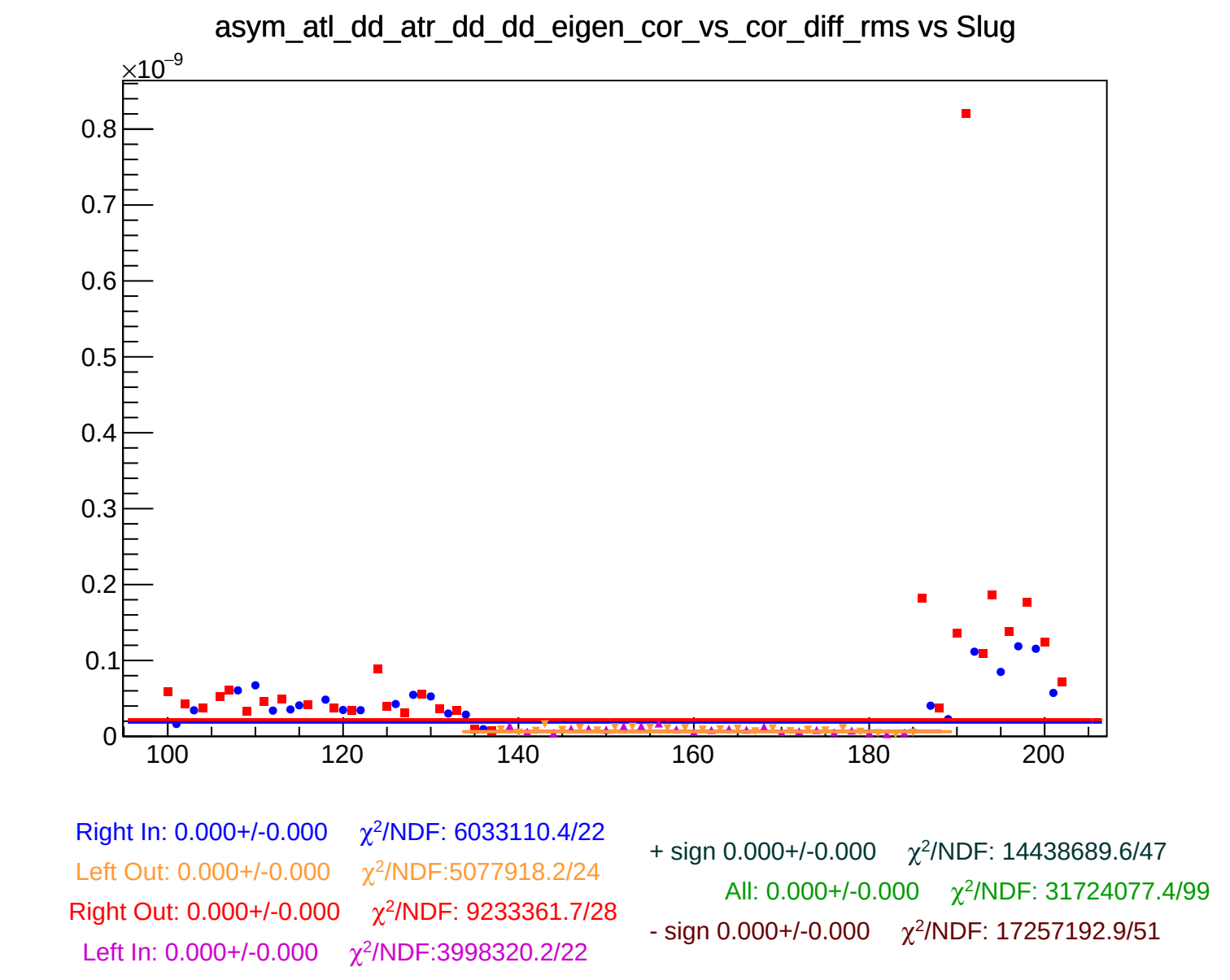
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/28

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

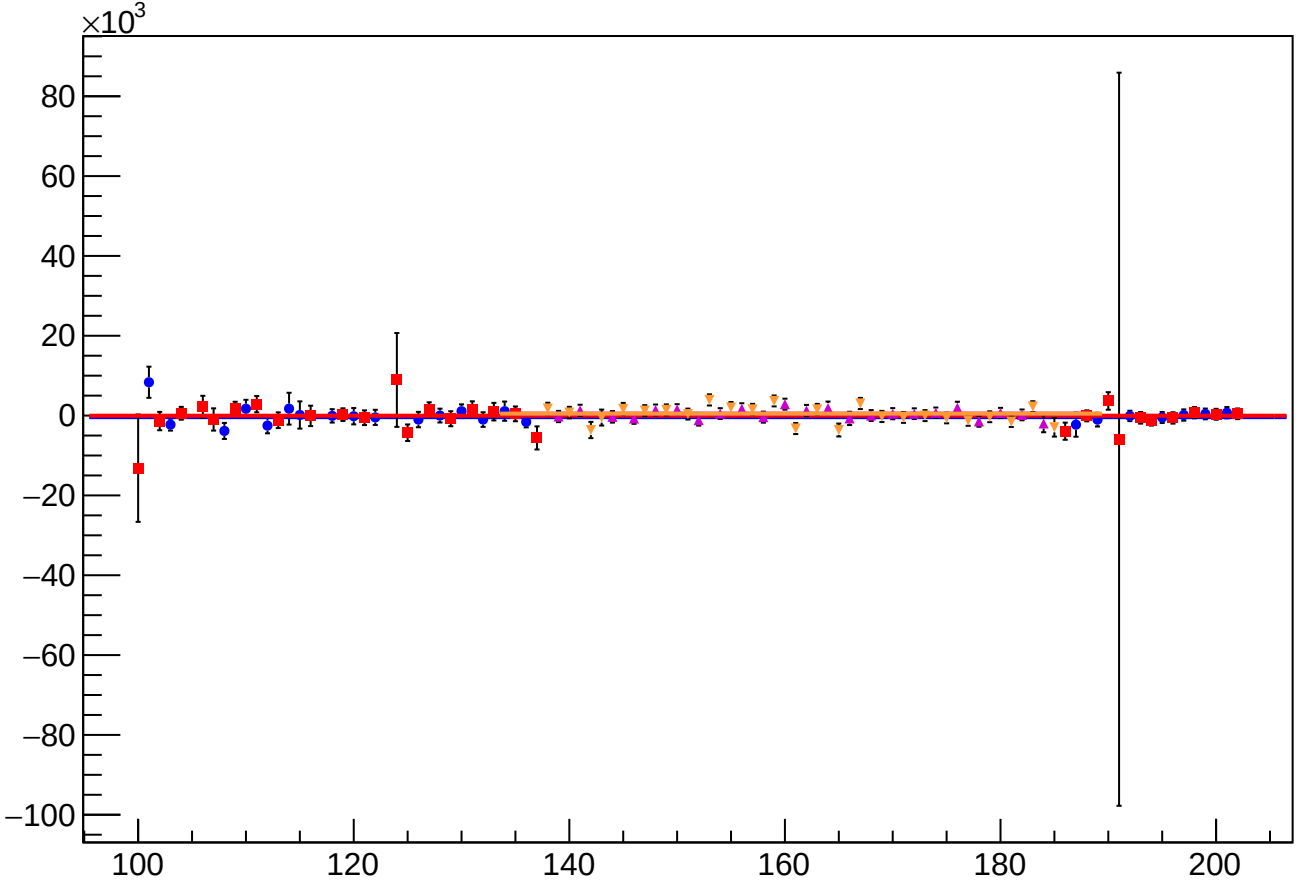
+ sign -0.000+/-0.000 χ^2/NDF: 40.5/47

All: 0.000+/-0.000 χ^2/NDF: 107.7/99

- sign 0.000+/-0.000 χ^2/NDF: 65.3/51


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6033110.4/22
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 9233361.7/28
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
+ sign 0.000+/-0.000 χ²/NDF: 14438689.6/47
All: 0.000+/-0.000 χ²/NDF: 31724077.4/99
- sign 0.000+/-0.000 χ²/NDF: 17257192.9/51

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -394.656+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -30.557+/-347.386 χ^2/NDF: 23.5/28

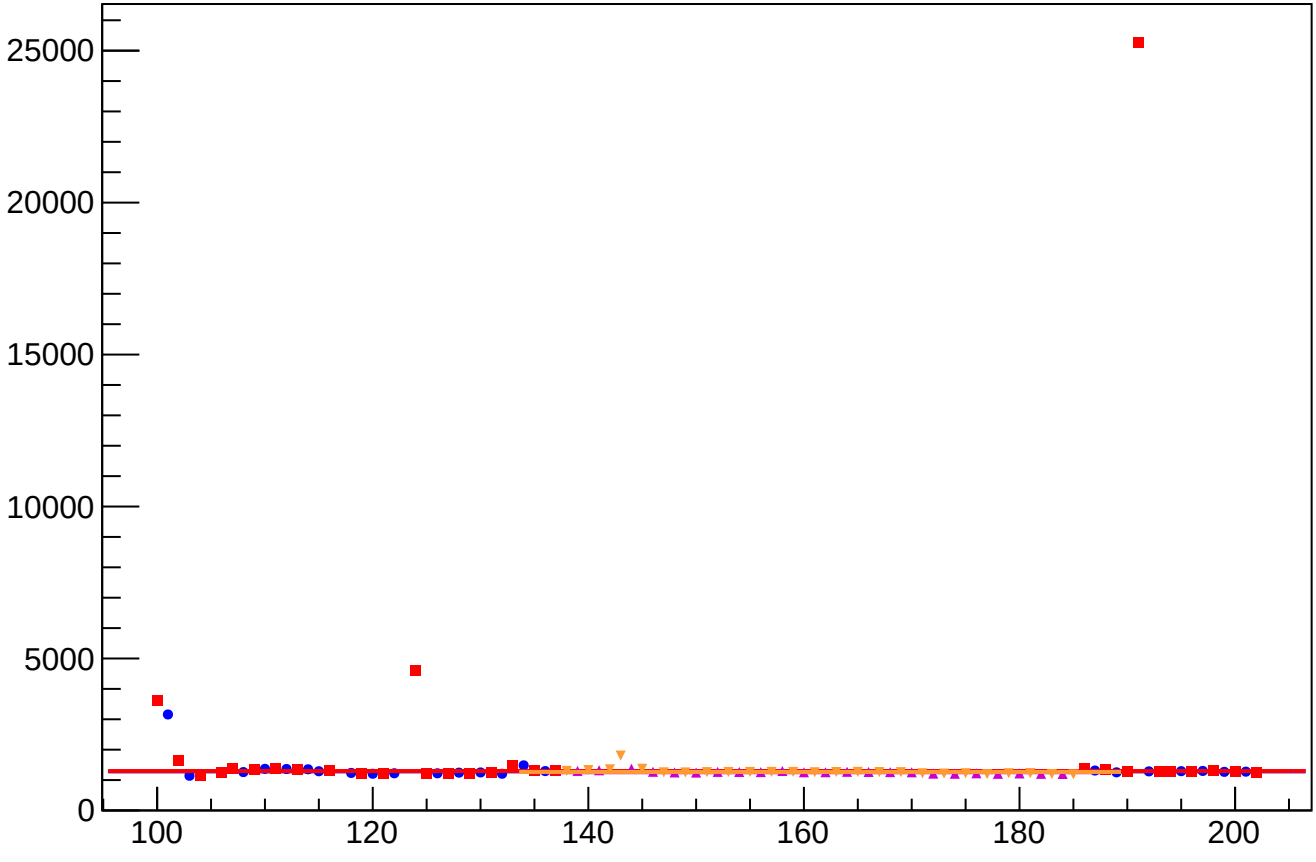
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 157.067+/-227.565 χ^2/NDF: 66.3/47

All: 214.903+/-159.751 χ^2/NDF: 105.7/99

- sign 271.098+/-224.314 χ^2/NDF: 39.2/51

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1286.533+/-0.262 χ^2/NDF: 516207.6/22

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

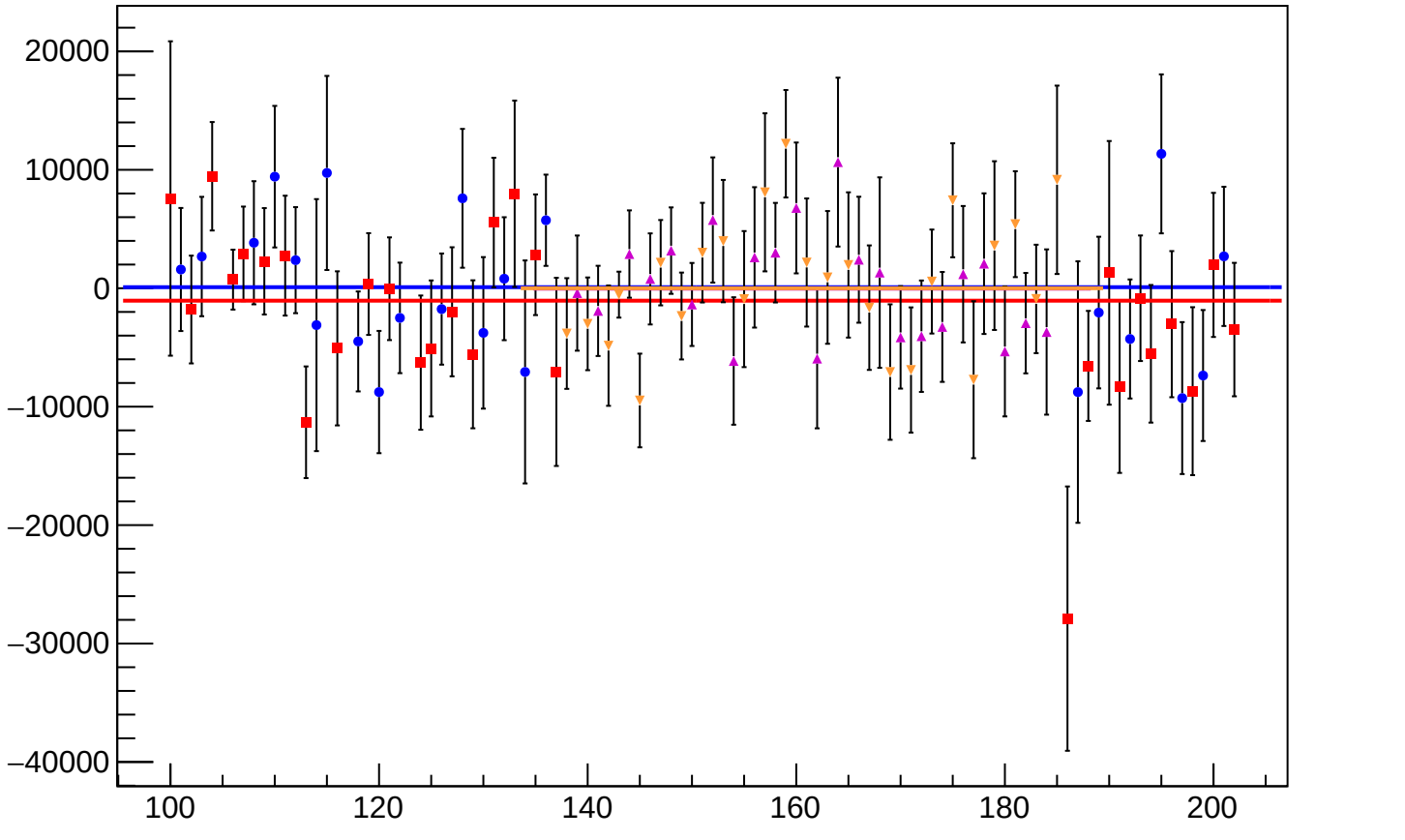
Right Out: 1296.553+/-0.245 χ^2/NDF: 467821.5/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707228.5/47

All: 1274.095+/-0.113 χ^2/NDF: 1226592.9/99

- sign 1273.838+/-0.159 χ^2/NDF: 519359.0/51



Right In: 89.768+/-1154.948 χ^2/NDF: 22.8/22

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

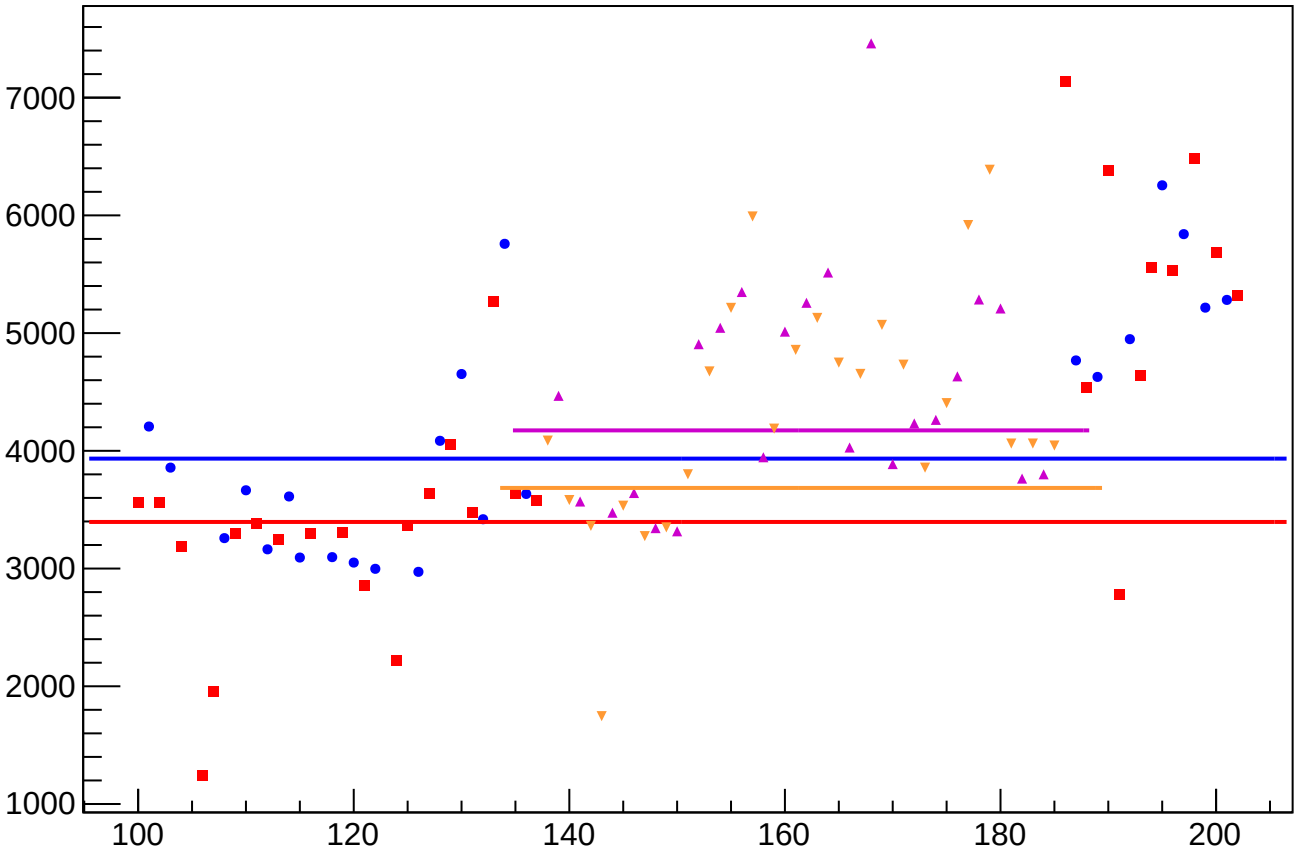
Right Out: -1049.679+/-970.752 χ^2/NDF: 29.9/28

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 32.900+/-703.220 χ^2/NDF: 51.9/47

All: -263.699+/-494.305 χ^2/NDF: 96.8/99

- sign -553.370+/-694.958 χ^2/NDF: 44.5/51



Right In: 3933.796+/-0.817 χ^2/NDF: 1306248.7/22

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

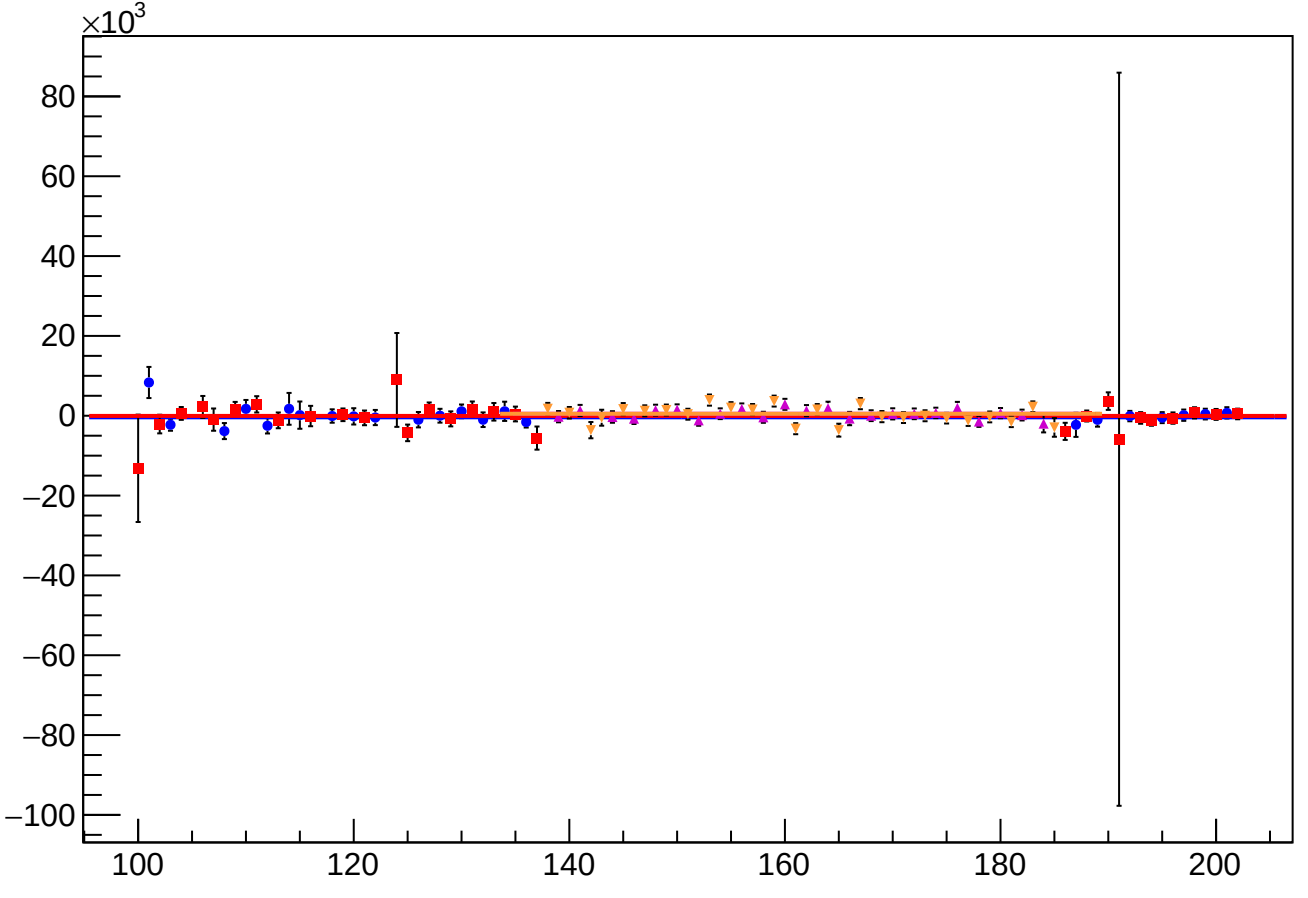
Right Out: 3395.819+/-0.686 χ^2/NDF: 4012509.1/28

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3777.091+/-0.497 χ^2/NDF: 5058406.3/47

All: 3776.013+/-0.350 χ^2/NDF: 10971708.7/9

- sign 3774.960+/-0.491 χ^2/NDF: 5913293.1/51



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -45.322+/-347.502 χ^2/NDF: 23.9/28

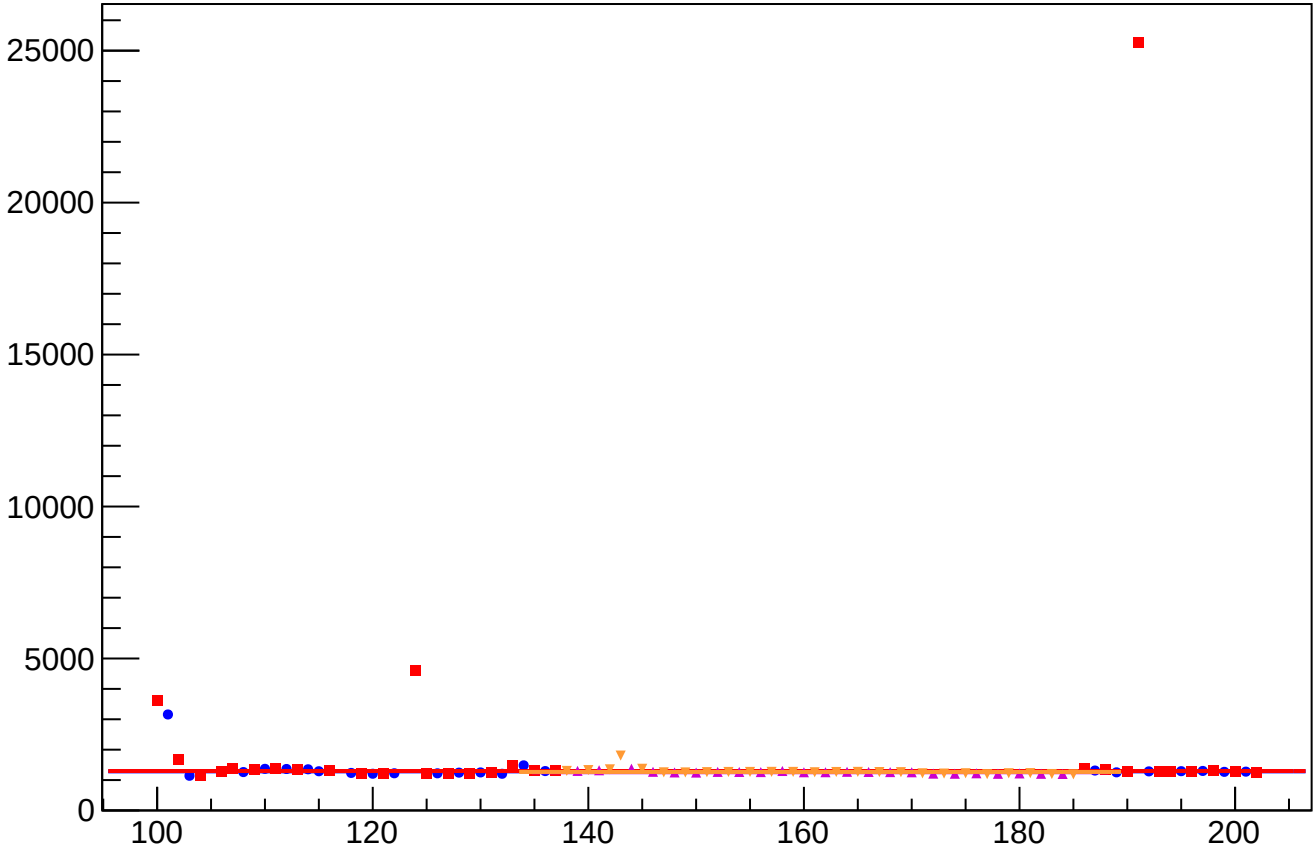
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 211.757+/-159.762 χ^2/NDF: 106.1/99

- sign 264.969+/-224.346 χ^2/NDF: 39.7/51

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

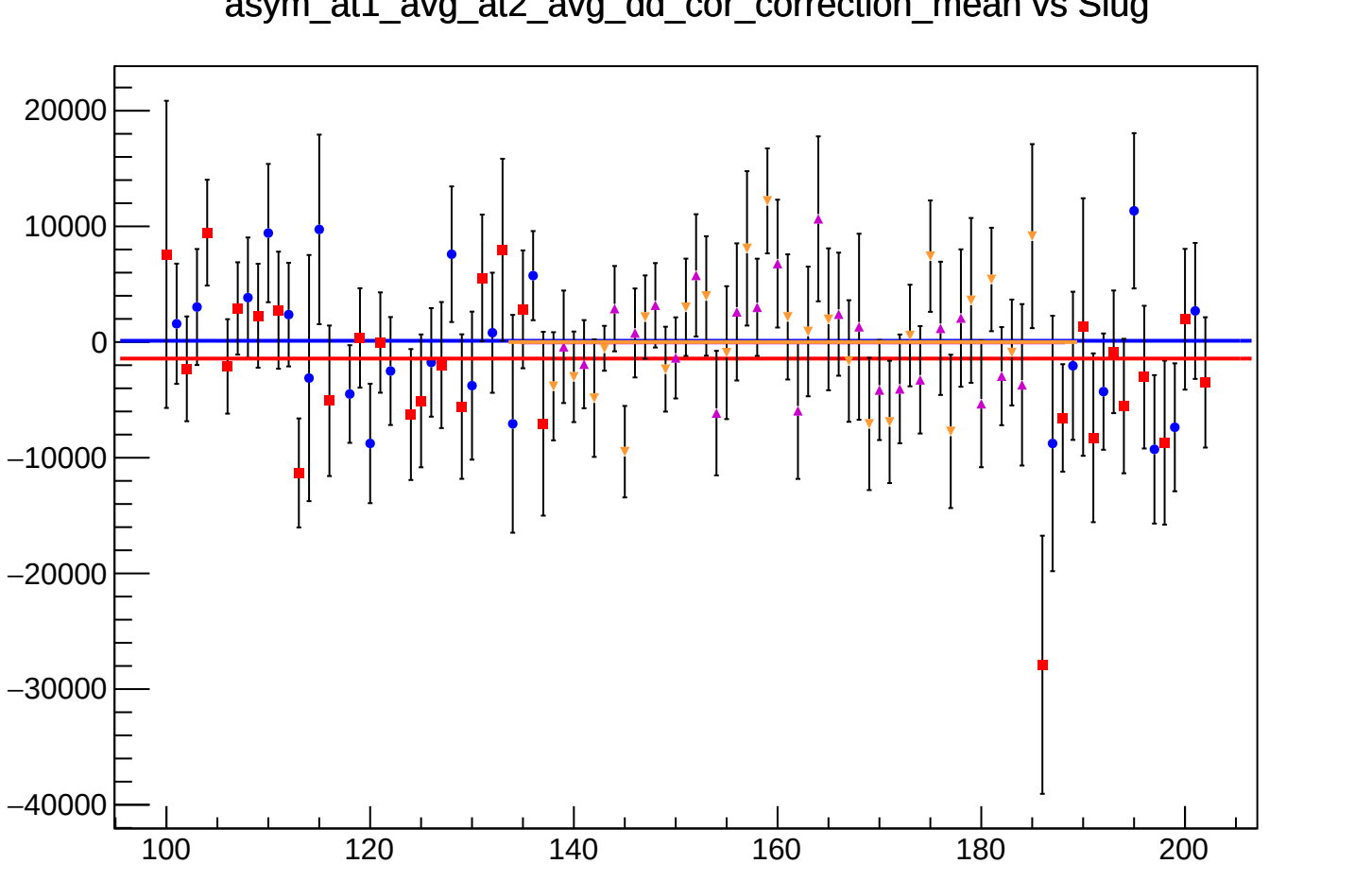
Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99

- sign 1274.253+/-0.159 χ^2/NDF: 526753.2/51



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

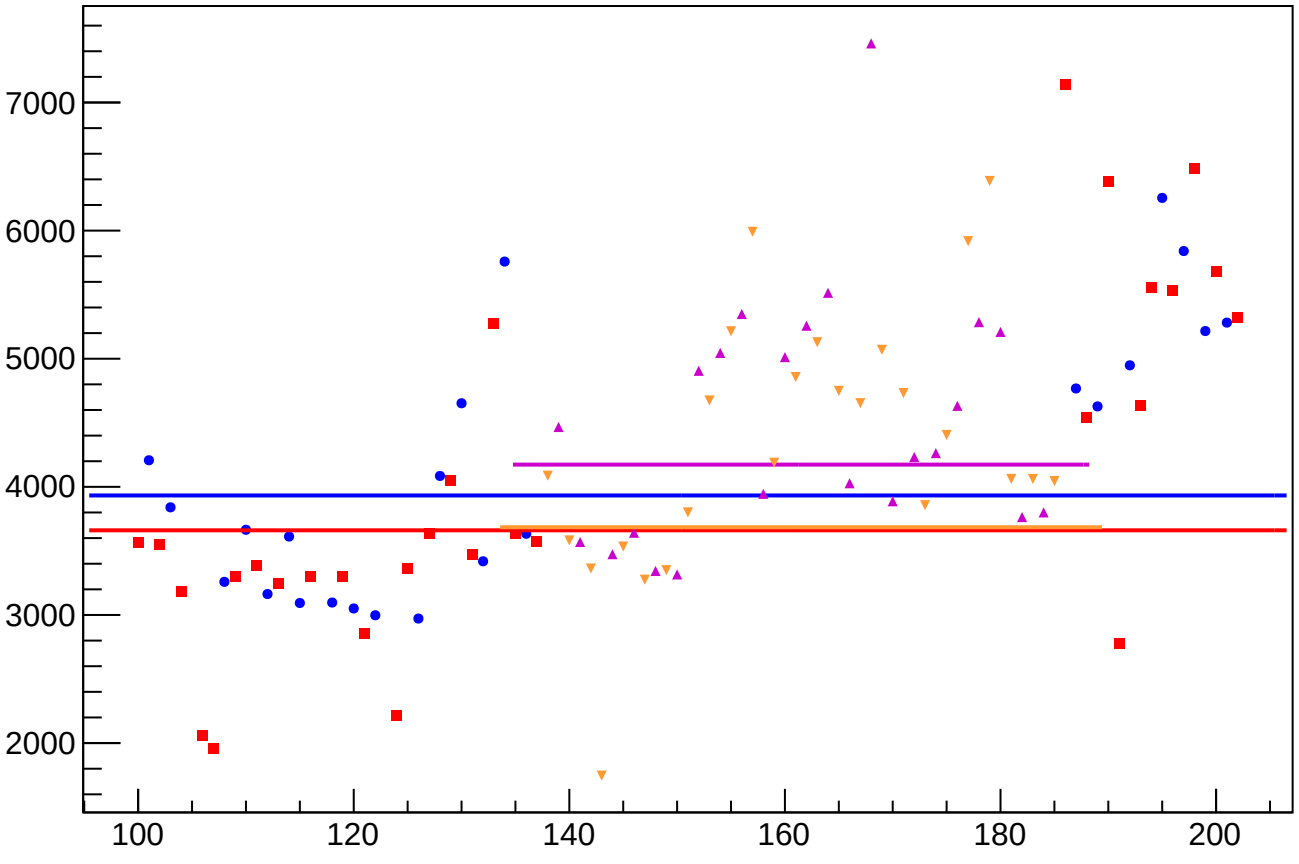
Right Out: -1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 40.353+/-703.152 χ^2/NDF: 52.0/47

All: -332.579+/-500.162 χ^2/NDF: 97.0/99

- sign -714.523+/-711.597 χ^2/NDF: 44.4/51



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

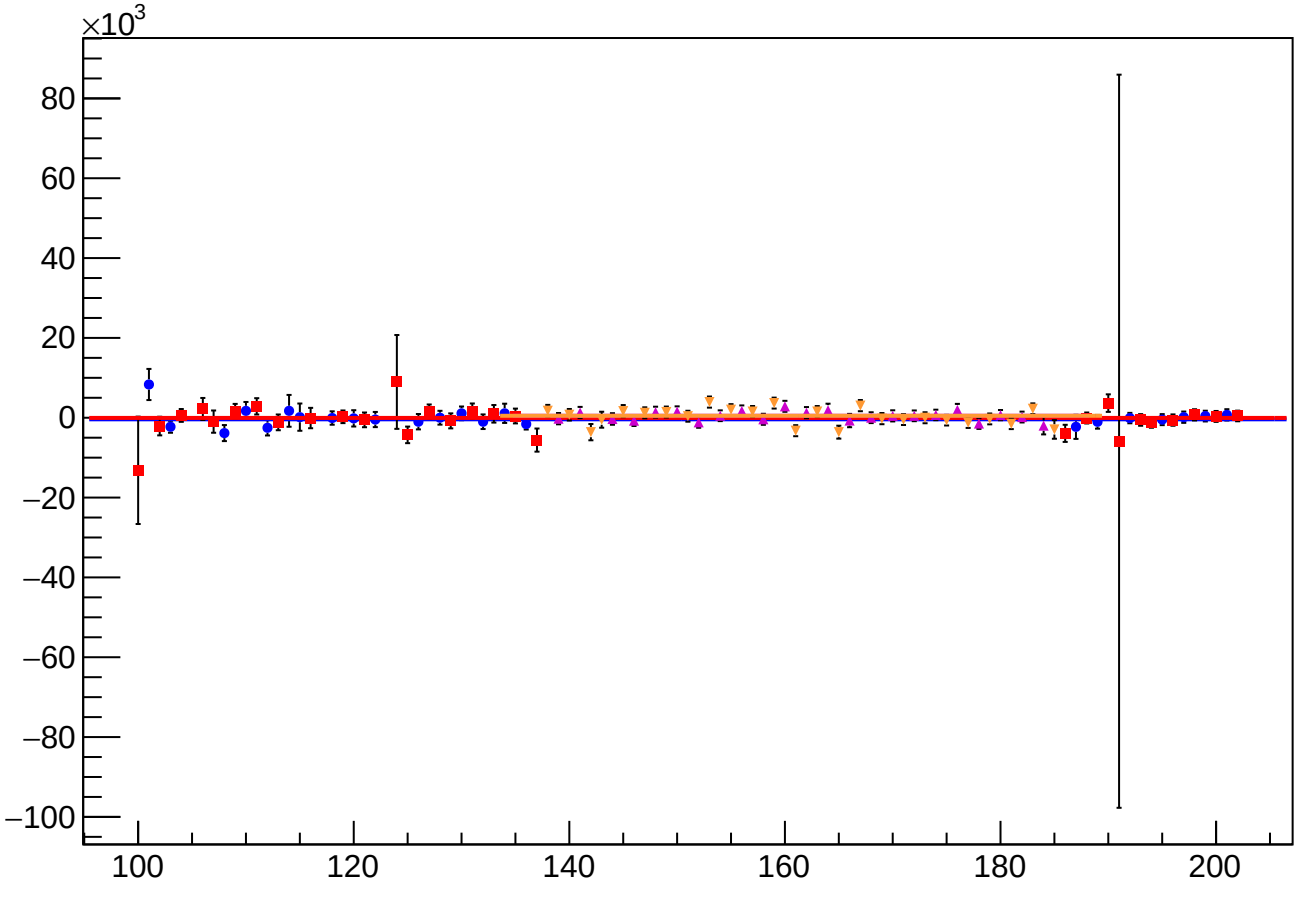
Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3848.949+/-0.354 χ^2/NDF: 9275230.7/99

- sign 3922.864+/-0.503 χ^2/NDF: 4174256.2/51



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -45.322+/-347.502 χ^2/NDF: 23.9/28

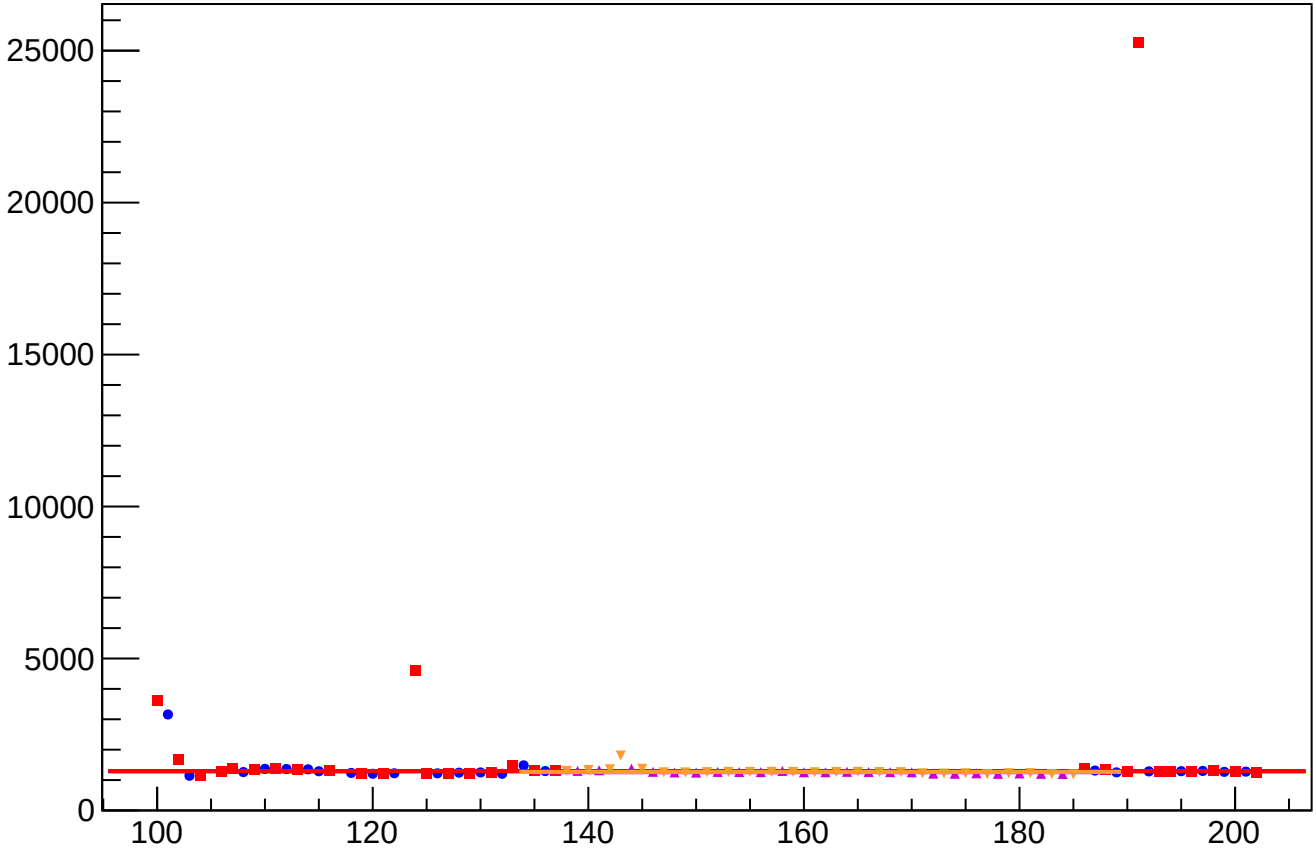
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 211.757+/-159.762 χ^2/NDF: 106.1/99

- sign 264.969+/-224.346 χ^2/NDF: 39.7/51

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

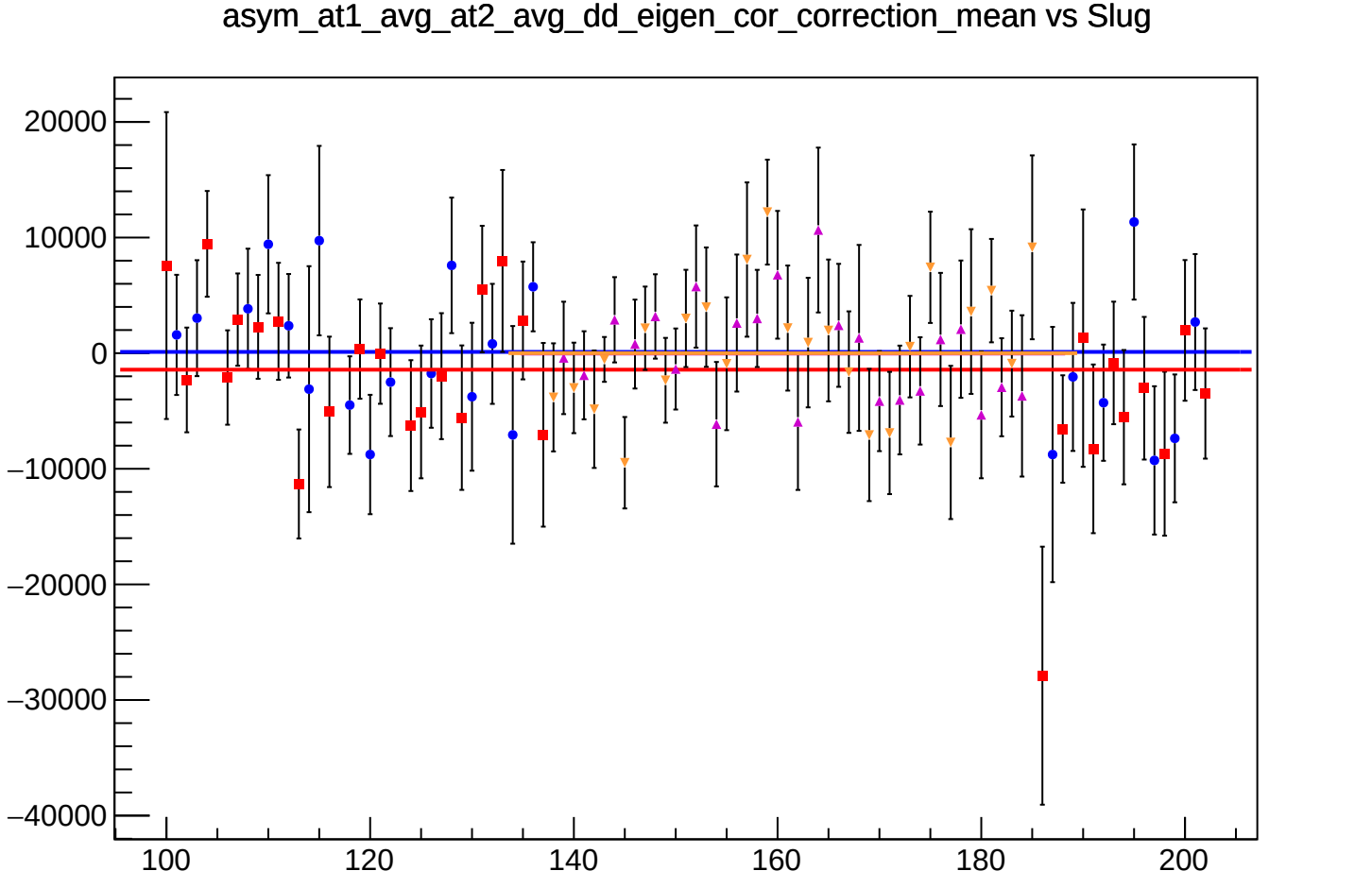
Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99

- sign 1274.253+/-0.159 χ^2/NDF: 526753.2/51



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

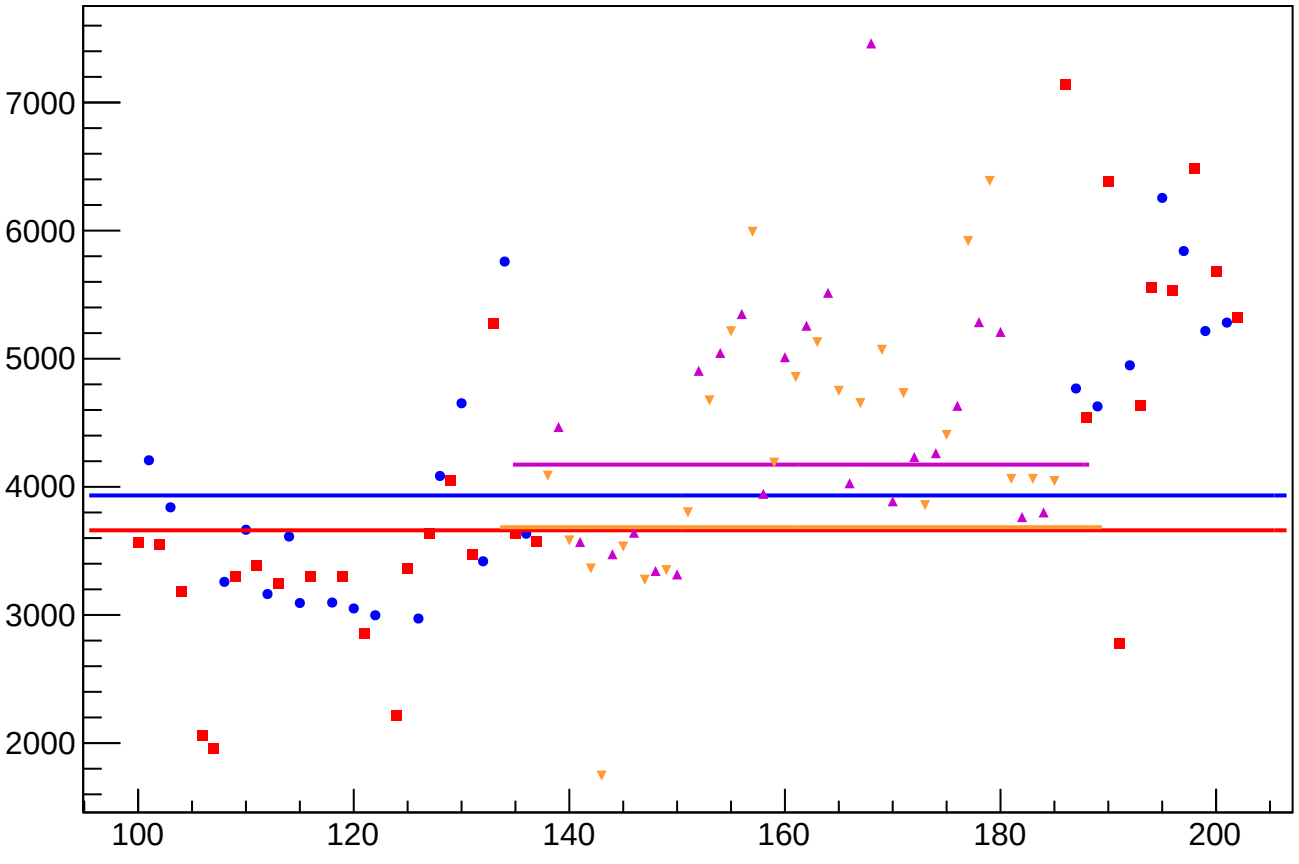
Right Out: -1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 40.353+/-703.152 χ^2/NDF: 52.0/47

All: -332.579+/-500.162 χ^2/NDF: 97.0/99

- sign -714.523+/-711.597 χ^2/NDF: 44.4/51



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

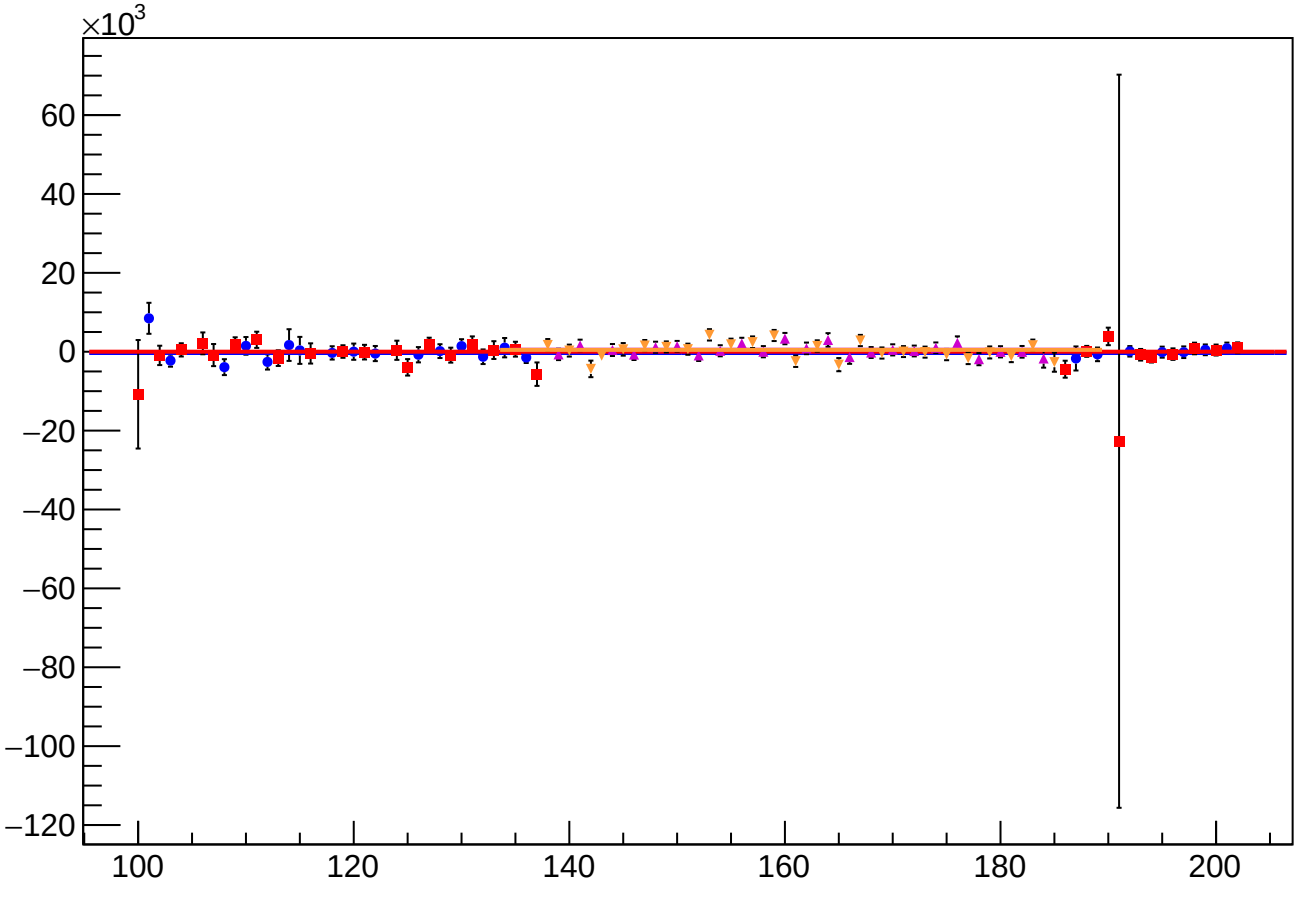
Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3848.949+/-0.354 χ^2/NDF: 9275230.7/99

- sign 3922.864+/-0.503 χ^2/NDF: 4174256.2/51



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 10.934+/-349.986 χ^2/NDF: 24.7/28

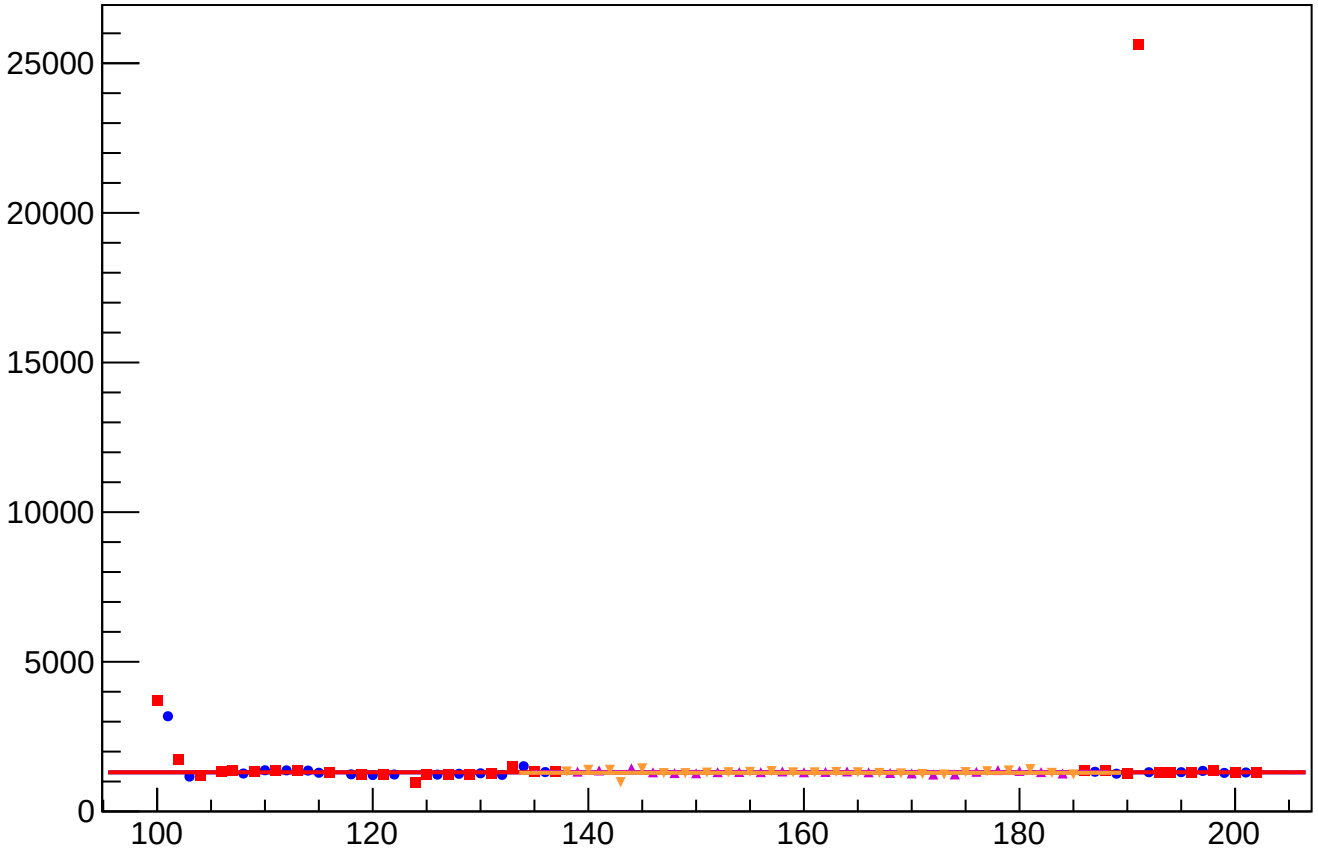
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 168.026+/-231.668 χ^2/NDF: 62.7/47

All: 228.885+/-163.512 χ^2/NDF: 106.0/99

\- sign 289.297+/-230.815 χ^2/NDF: 43.2/51

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.5/22

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

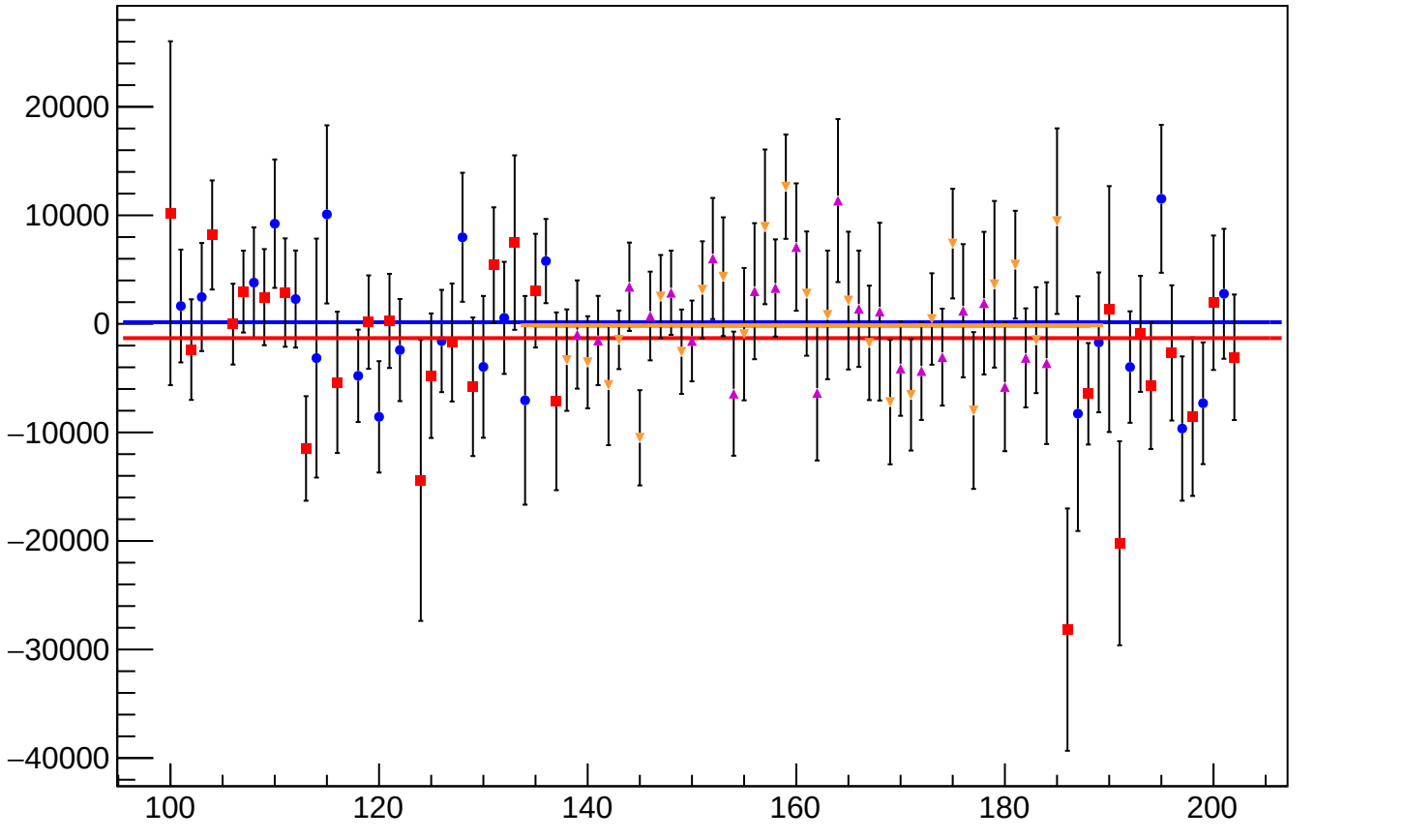
Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.3/28

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.655+/-0.164 χ^2/NDF: 747148.7/47

All: 1304.210+/-0.116 χ^2/NDF: 1158030.9/99

- sign 1311.707+/-0.163 χ^2/NDF: 406644.6/51



Right In: 153.864+/-1160.928 χ^2/NDF: 22.7/22

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

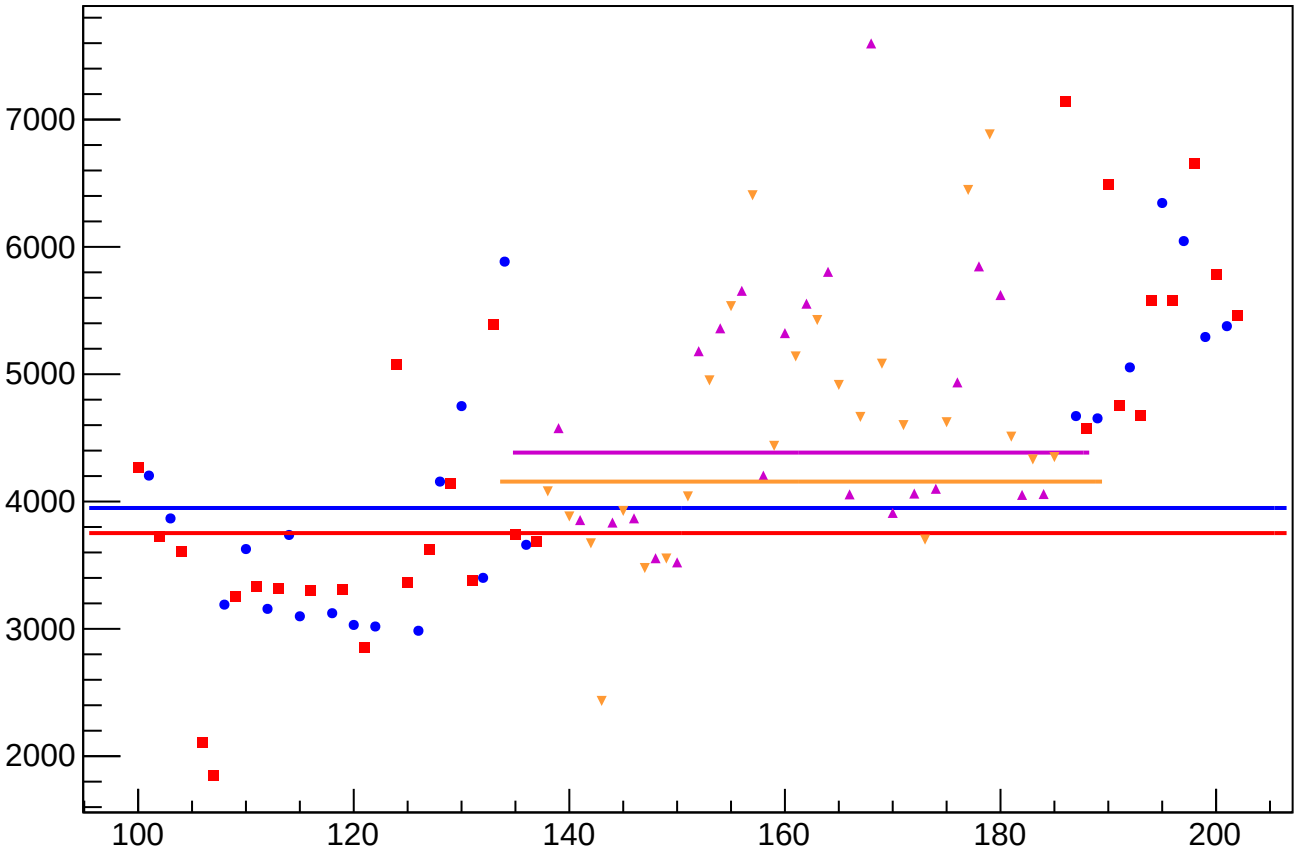
Right Out: -1312.194+/-1035.746 χ^2/NDF: 31.0/28

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -10.681+/-747.619 χ^2/NDF: 51.3/47

All: -381.771+/-524.422 χ^2/NDF: 97.2/99

- sign -741.231+/-735.811 χ^2/NDF: 45.4/51



Right In: 3949.274+/-0.821 χ^2/NDF: 1389419.1/22

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

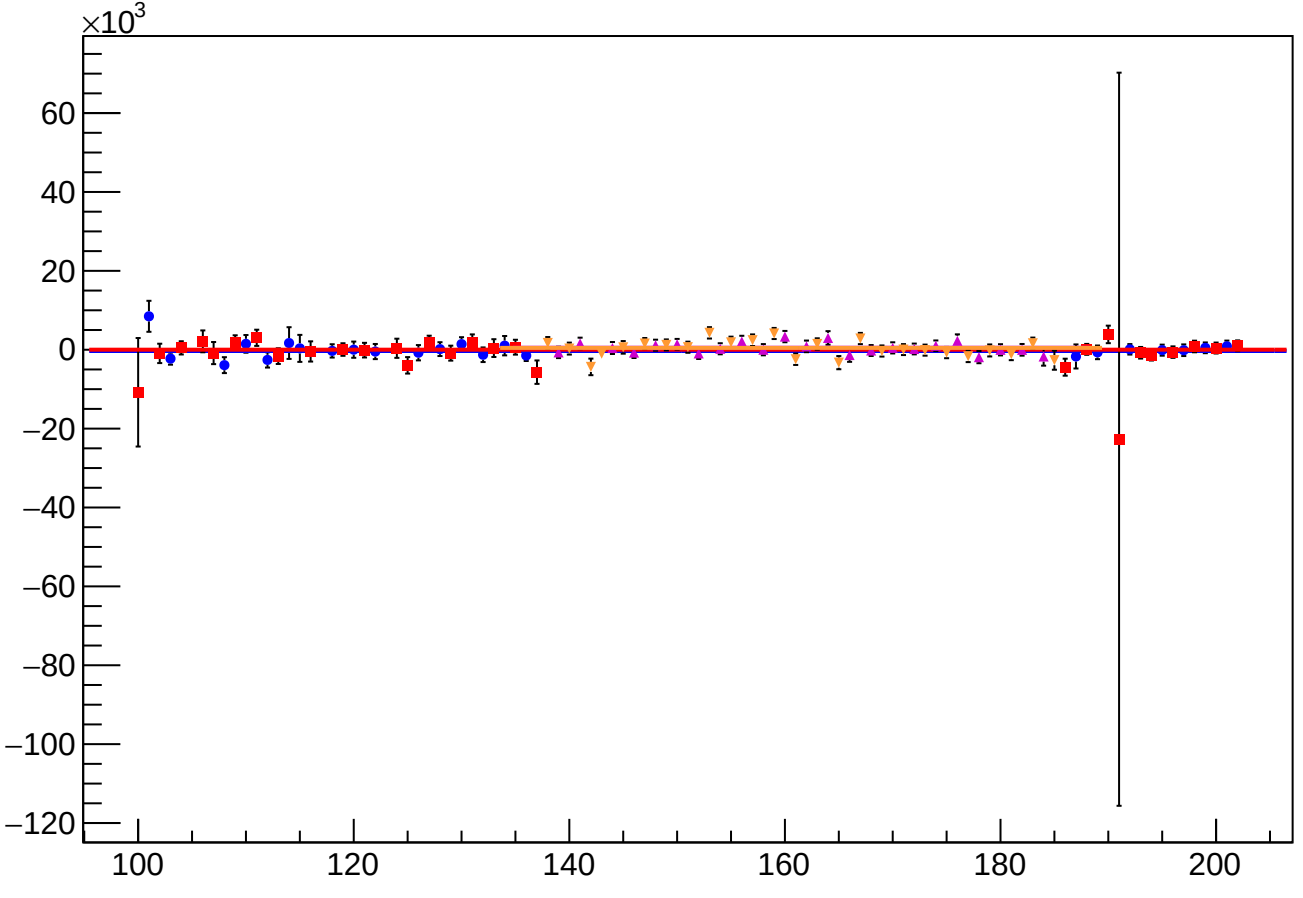
Right Out: 3752.152+/-0.732 χ^2/NDF: 2726333.6/28

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4070.608+/-0.529 χ^2/NDF: 3507511.8/47

All: 4067.897+/-0.371 χ^2/NDF: 7858403.1/99

- sign 4065.272+/-0.520 χ^2/NDF: 4350839.6/51



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

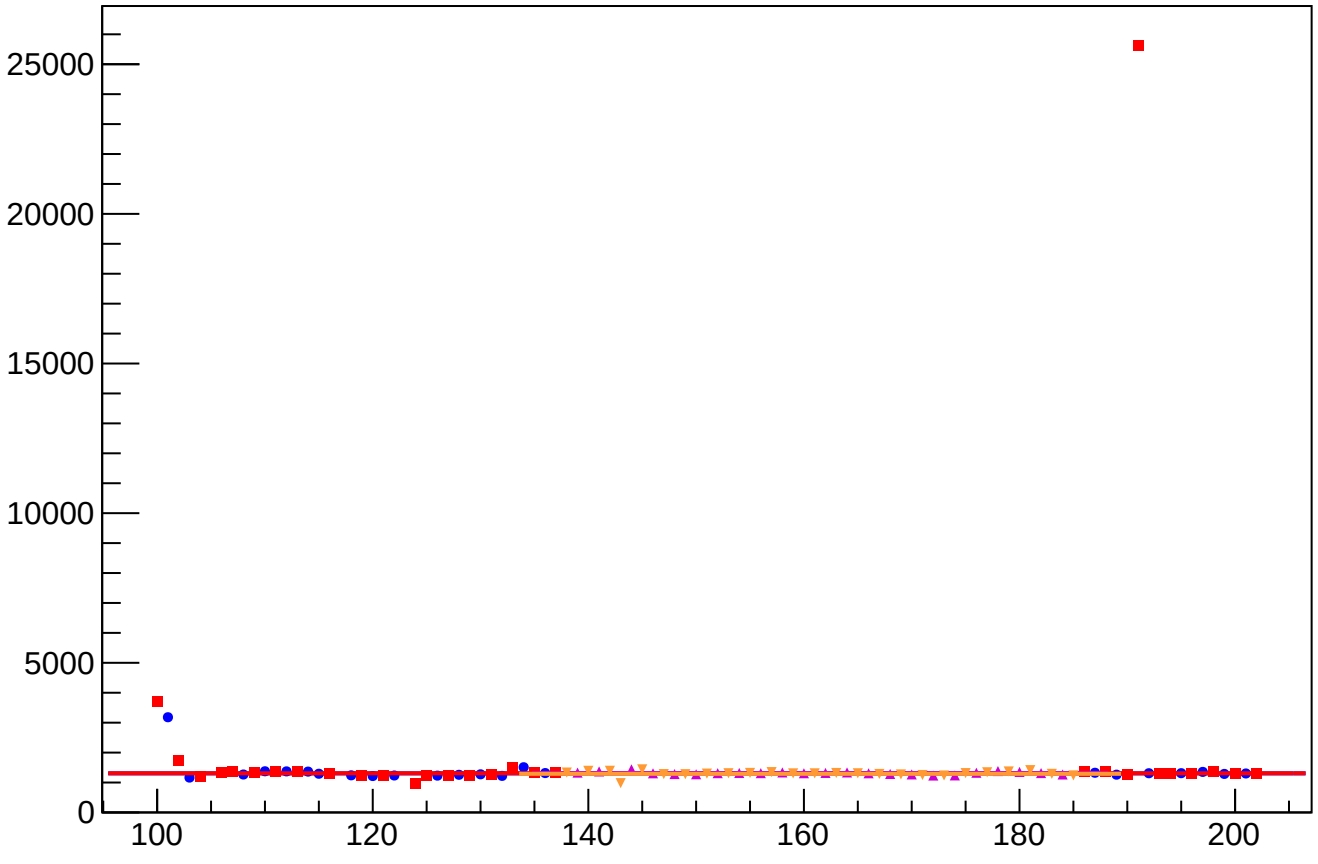
Right Out: 10.937+/-349.986 χ^2/NDF: 24.7/28

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign 168.027+/-231.668 χ^2/NDF: 62.7/47

All: 228.886+/-163.512 χ^2/NDF: 106.0/99

\- sign 289.298+/-230.816 χ^2/NDF: 43.2/51



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.7/22

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

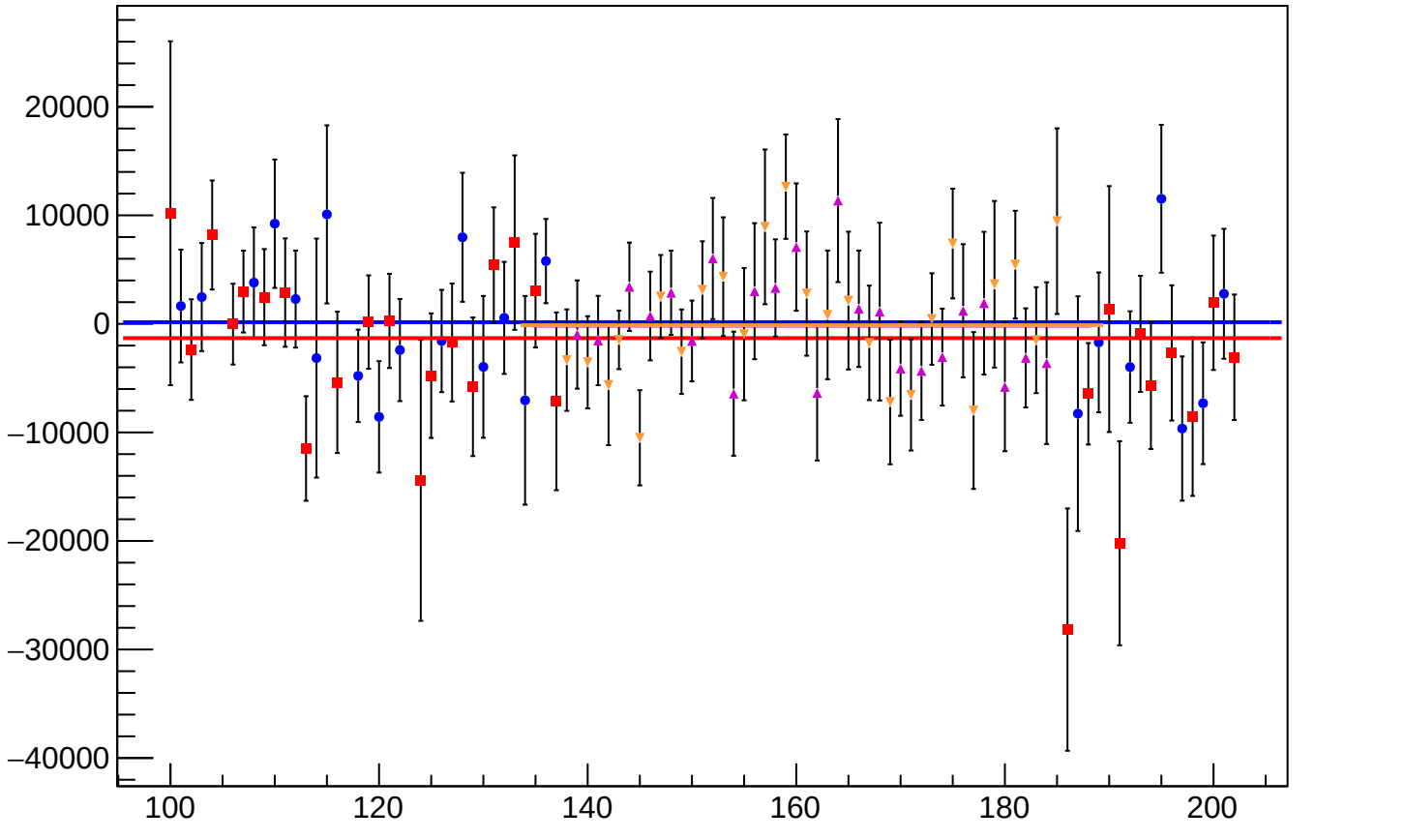
Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.6/28

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.656+/-0.164 χ^2/NDF: 747151.1/47

All: 1304.211+/-0.116 χ^2/NDF: 1158035.9/99

- sign 1311.708+/-0.163 χ^2/NDF: 406647.2/51



Right In: 153.858+/-1160.926 χ^2/NDF: 22.7/22

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

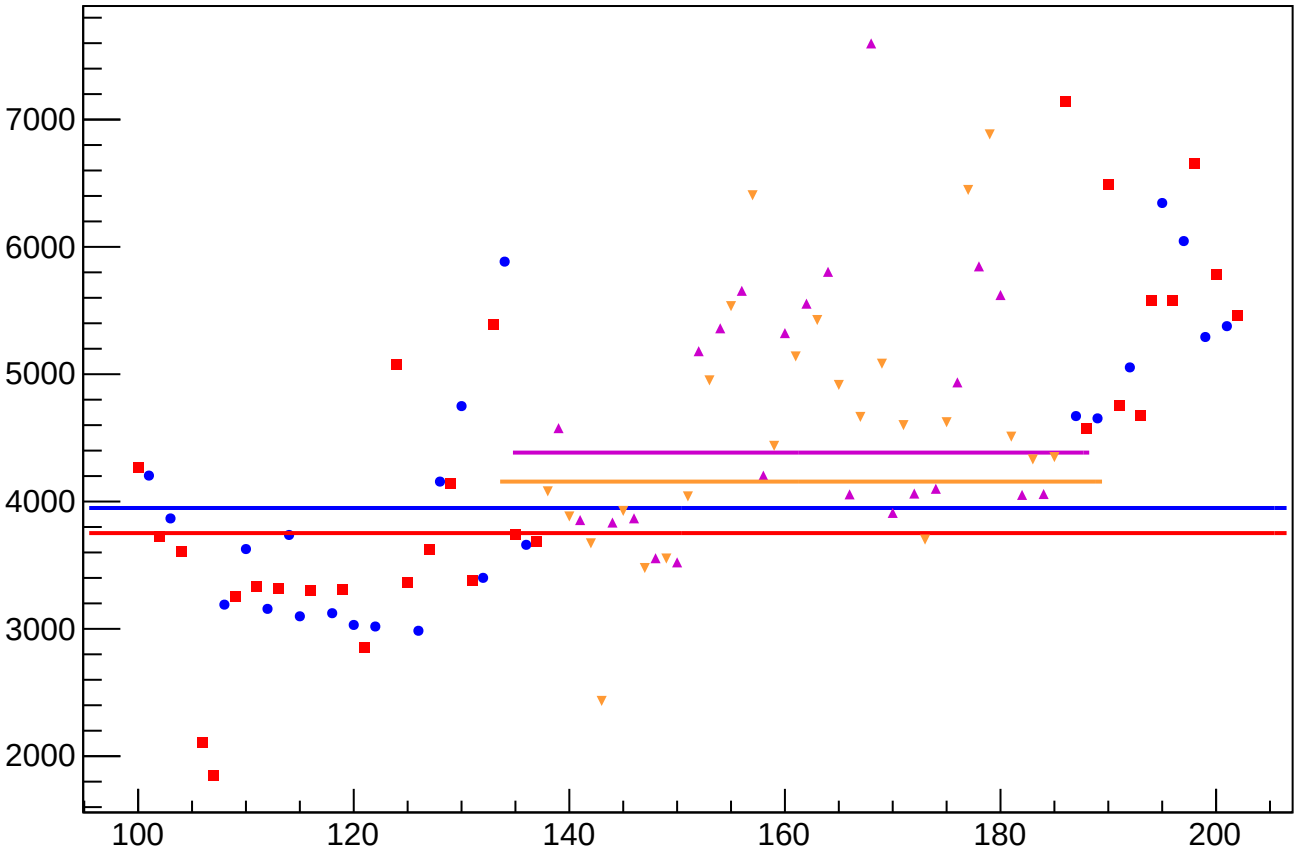
Right Out: -1312.187+/-1035.745 χ^2/NDF: 31.0/28

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -10.682+/-747.619 χ^2/NDF: 51.3/47

All: -381.771+/-524.422 χ^2/NDF: 97.2/99

- sign -741.229+/-735.811 χ^2/NDF: 45.4/51



Right In: 3949.266+/-0.821 χ^2/NDF: 1389439.6/22

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3752.145+/-0.732 χ^2/NDF: 2726354.9/28

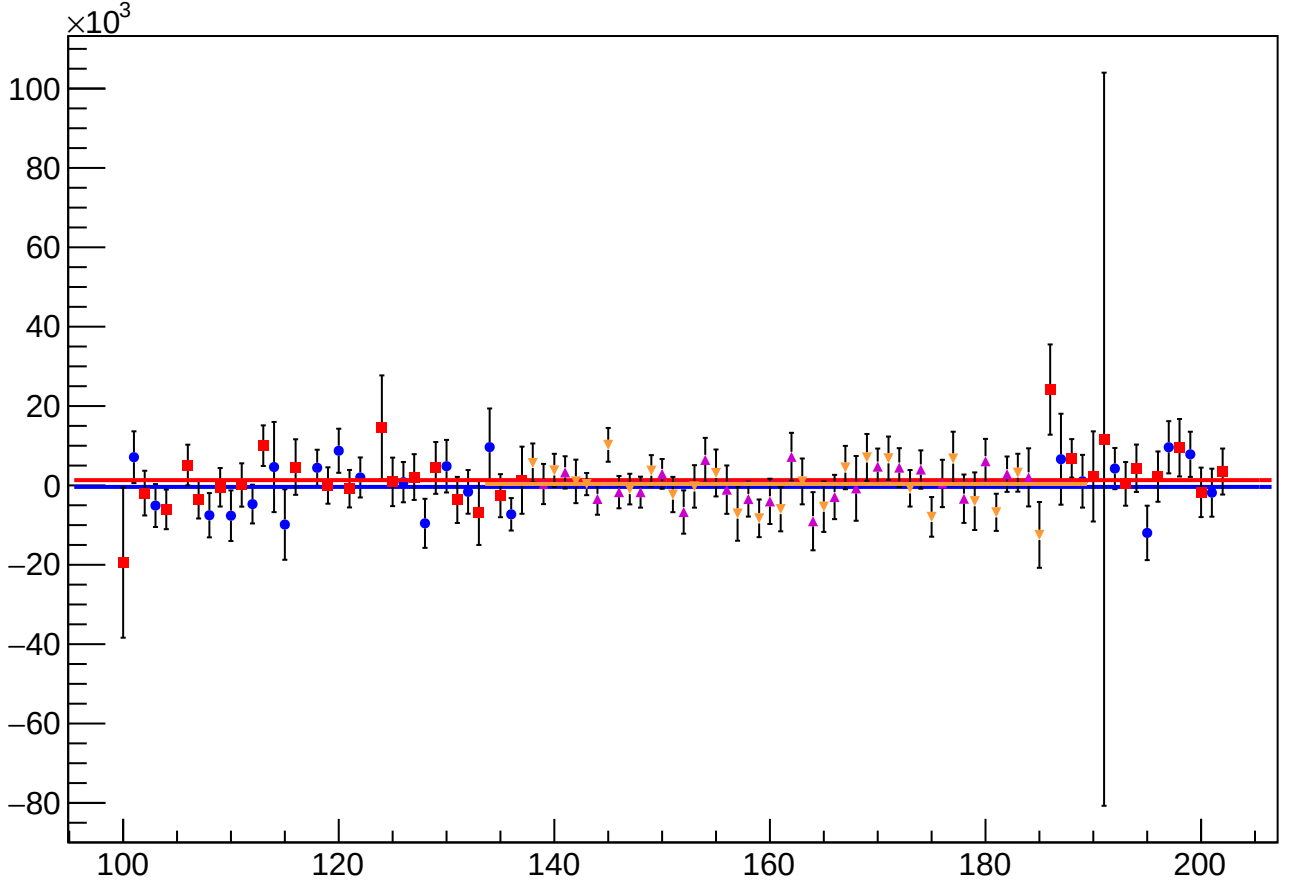
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4070.608+/-0.529 χ^2/NDF: 3507540.2/47

All: 4067.897+/-0.371 χ^2/NDF: 7858473.2/99

- sign 4065.271+/-0.520 χ^2/NDF: 4350881.2/51

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -376.540+/-1232.959 χ^2/NDF: 26.5/22

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1332.758+/-1133.113 χ^2/NDF: 19.6/28

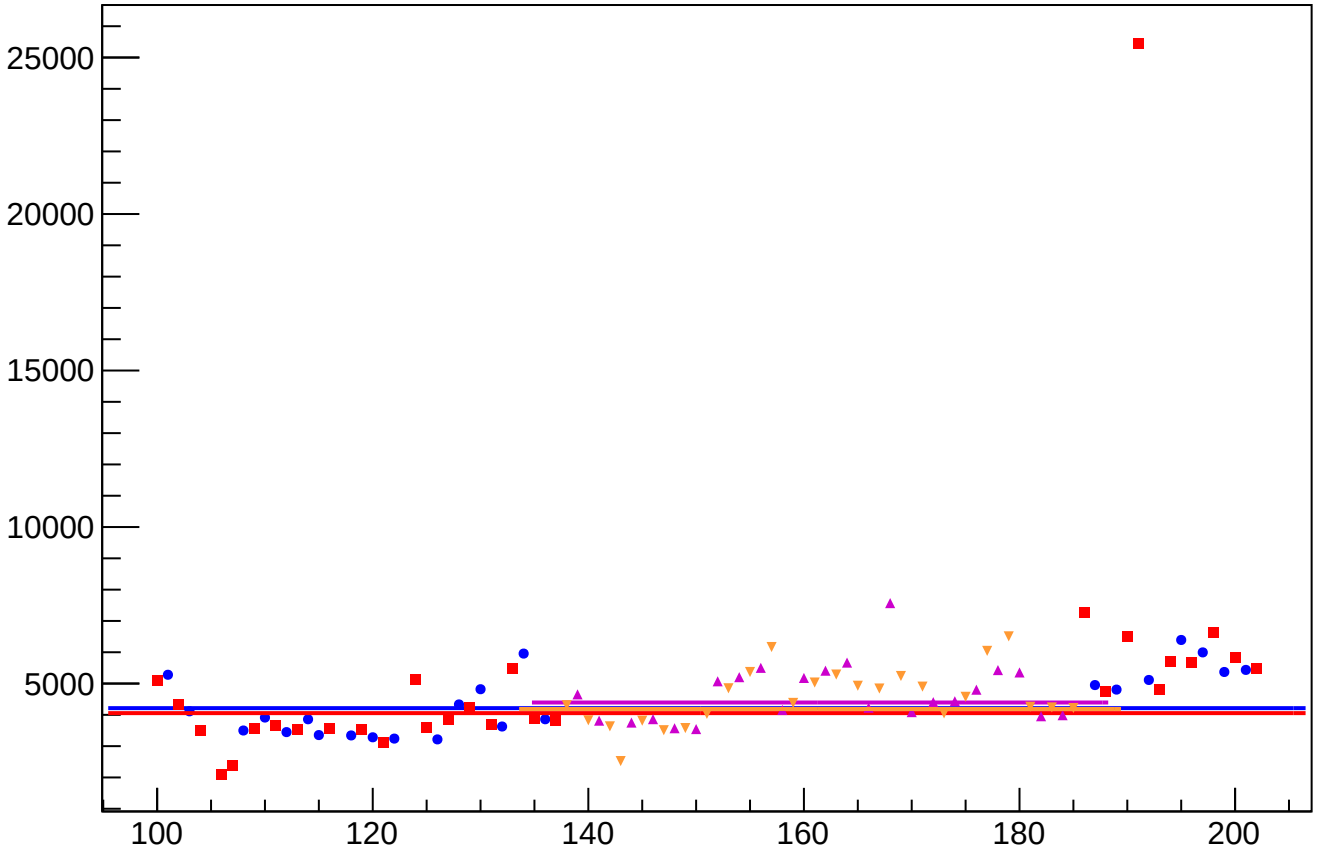
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 76.436+/-767.113 χ^2/NDF: 54.4/47

All: 478.360+/-542.770 χ^2/NDF: 88.8/99

- sign 881.291+/-768.074 χ^2/NDF: 33.8/51

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4214.051+/-0.872 χ^2/NDF: 1158776.2/22

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

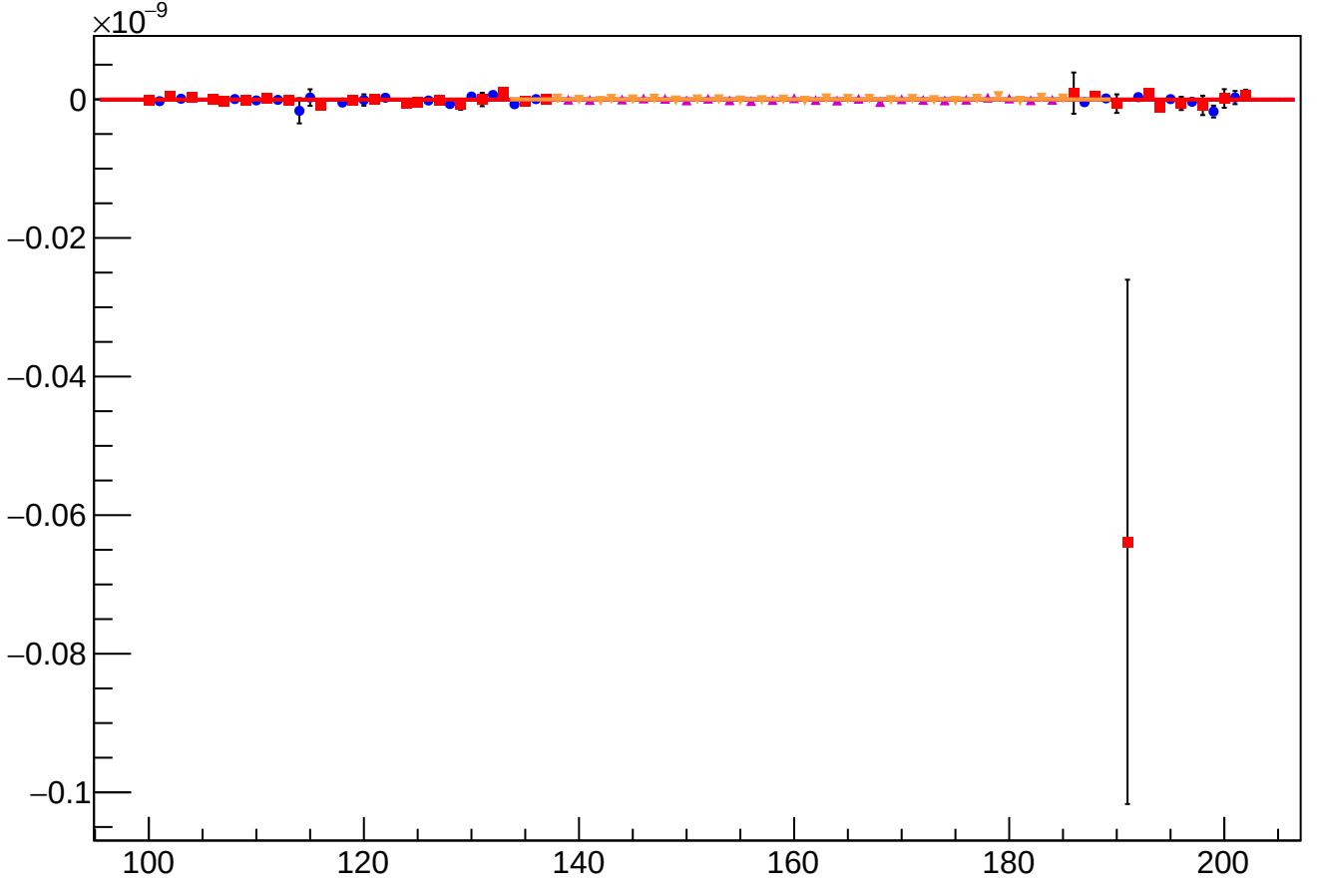
Right Out: 4054.998+/-0.793 χ^2/NDF: 2216998.1/28

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4197.991+/-0.542 χ^2/NDF: 2955675.7/47

All: 4217.430+/-0.383 χ^2/NDF: 6361615.7/99

- sign 4236.741+/-0.541 χ^2/NDF: 3403379.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

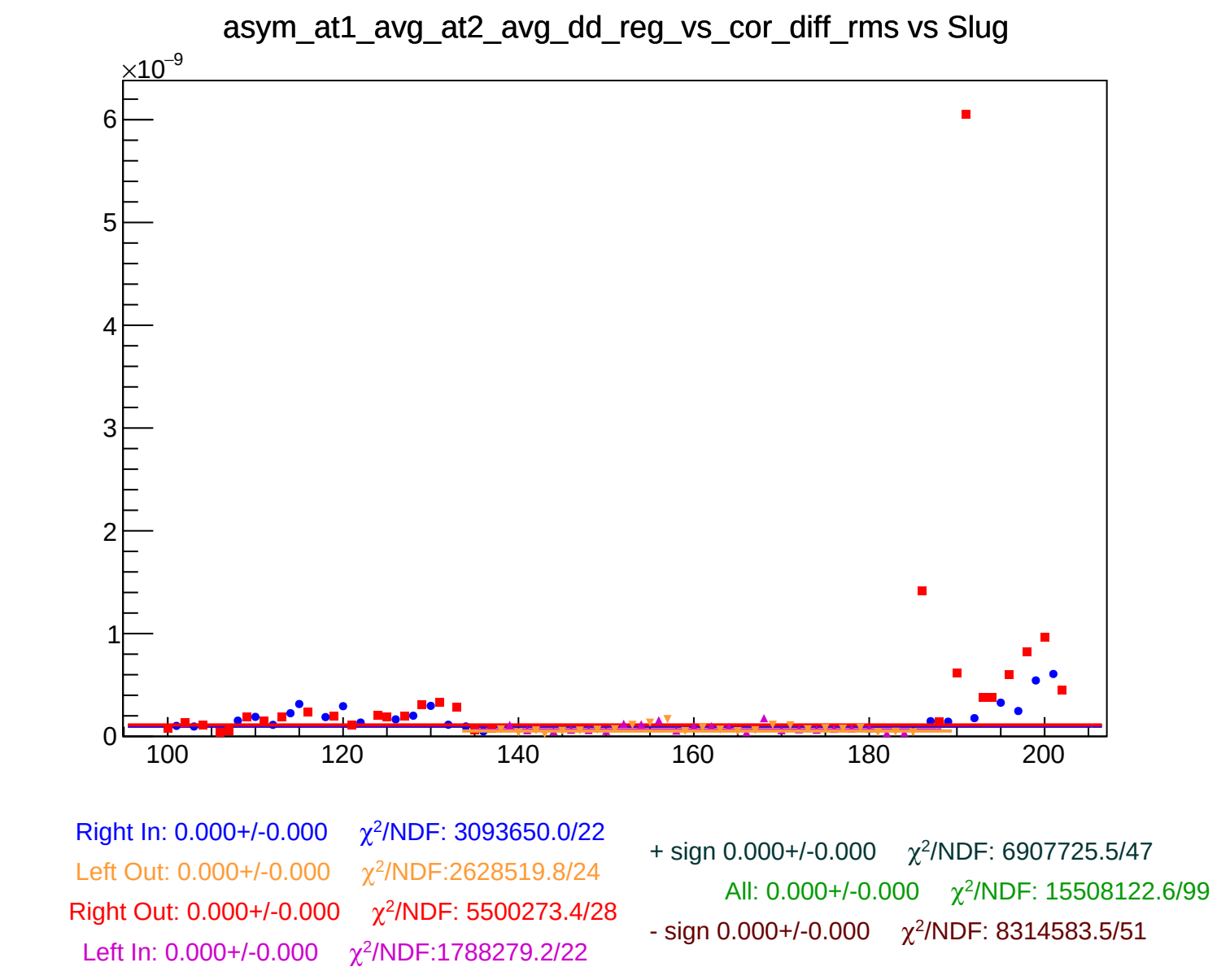
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/28

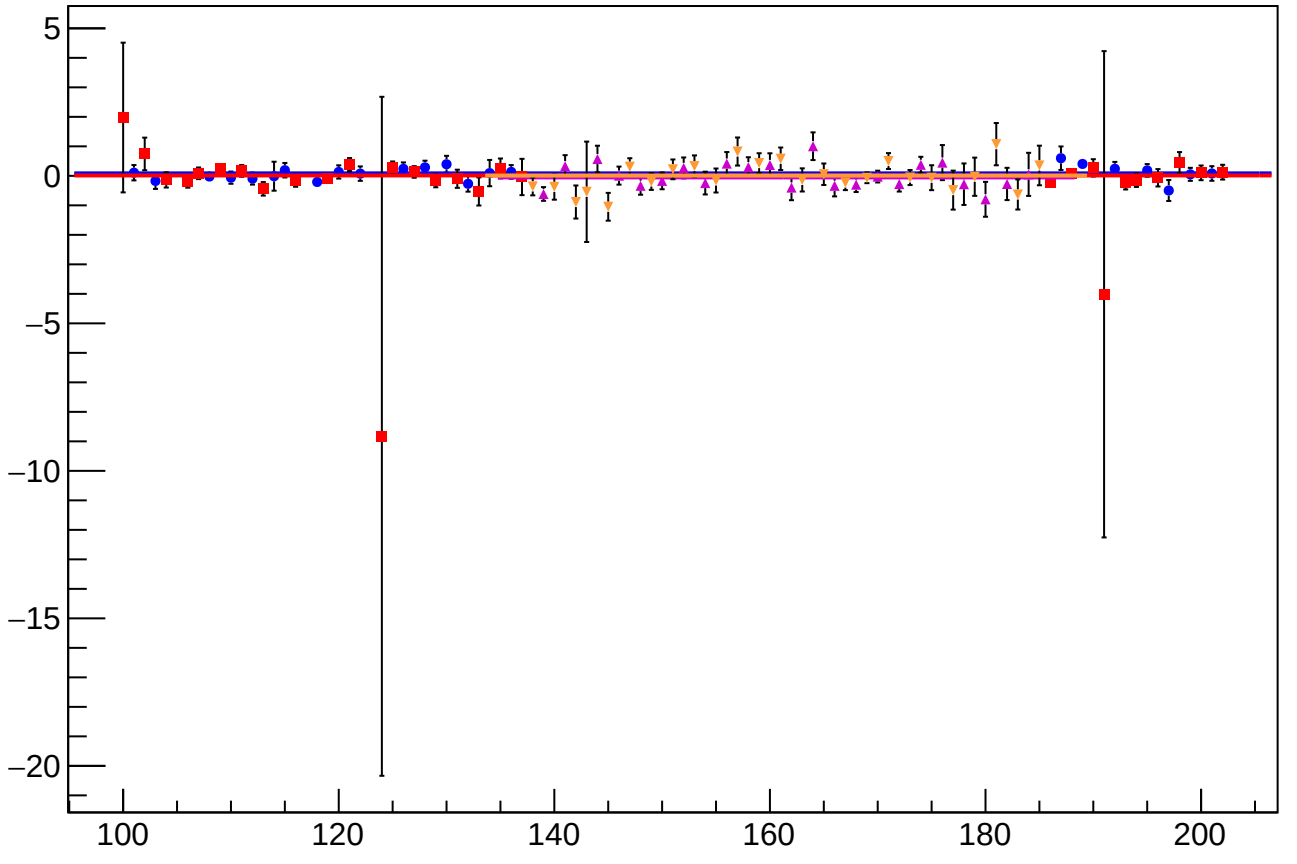
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/47

All: -0.000+/-0.000 χ^2/NDF: 97.9/99

- sign -0.000+/-0.000 χ^2/NDF: 44.3/51


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3093650.0/22
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5500273.4/28
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 6907725.5/47
All: 0.000+/-0.000 χ²/NDF: 15508122.6/99
- sign 0.000+/-0.000 χ²/NDF: 8314583.5/51



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

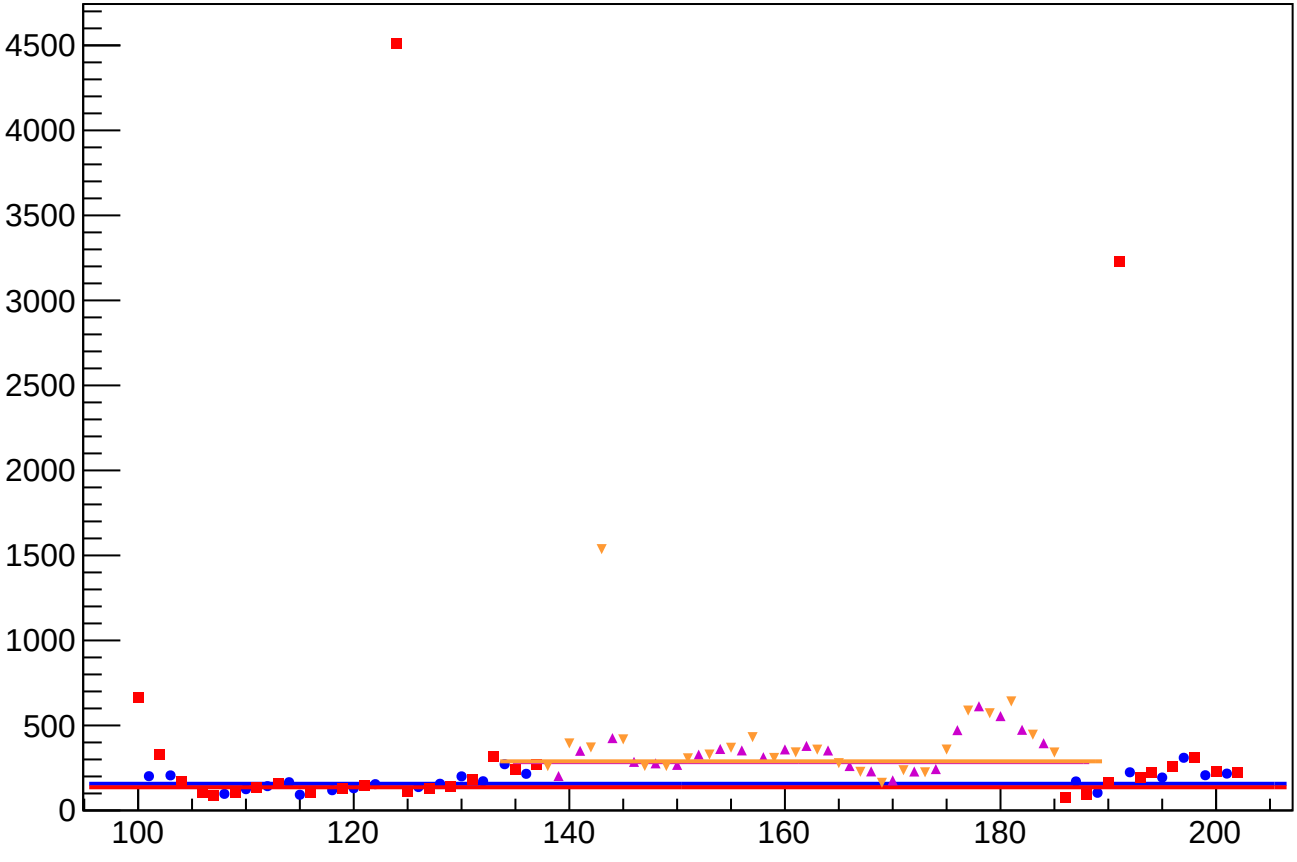
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

- sign -0.003+/-0.035 χ^2/NDF: 57.8/51

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

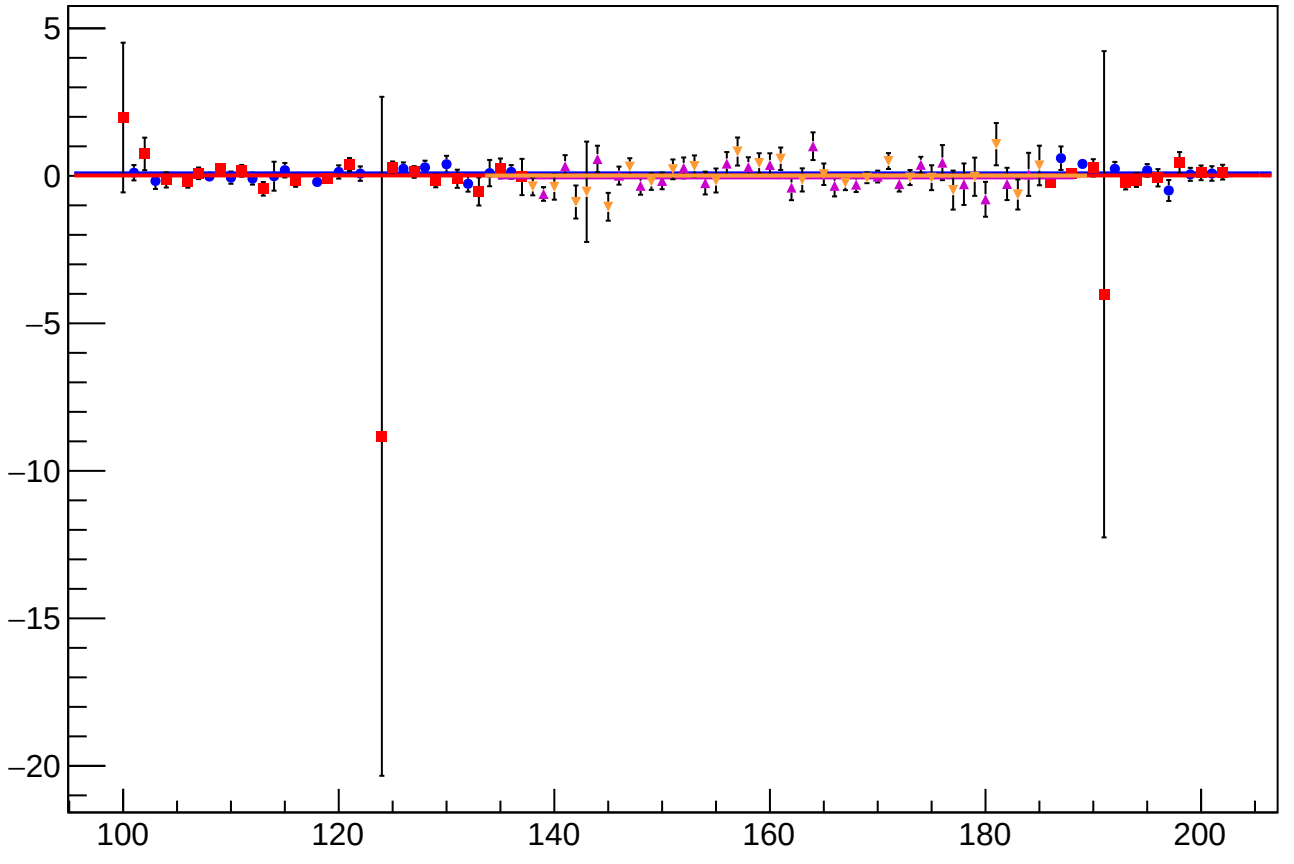
Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.268+/-0.028 χ^2/NDF: 11517156.9/47

All: 184.470+/-0.019 χ^2/NDF: 26152581.6/99

- sign 173.560+/-0.025 χ^2/NDF: 14203678.8/51



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

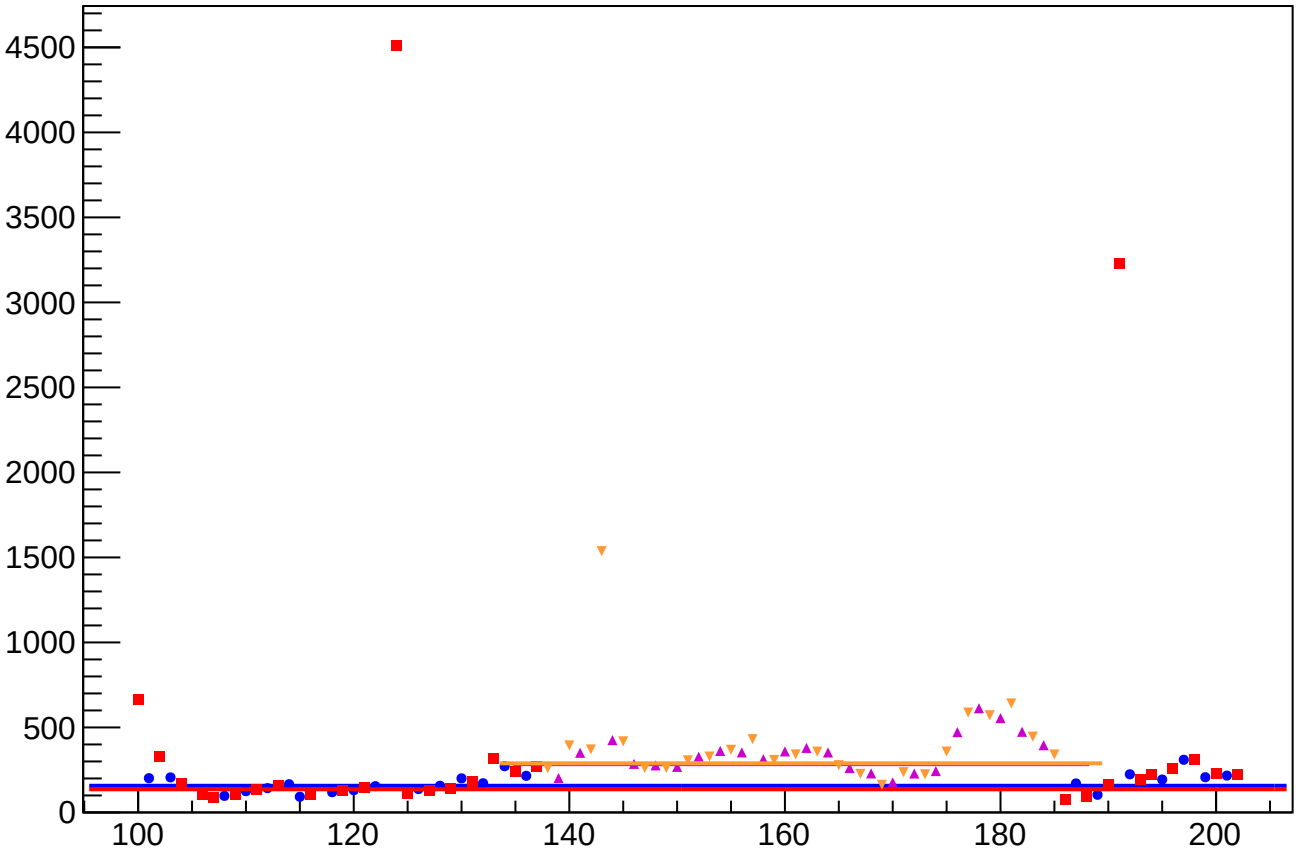
Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

- sign -0.003+/-0.035 χ^2/NDF: 57.8/51



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

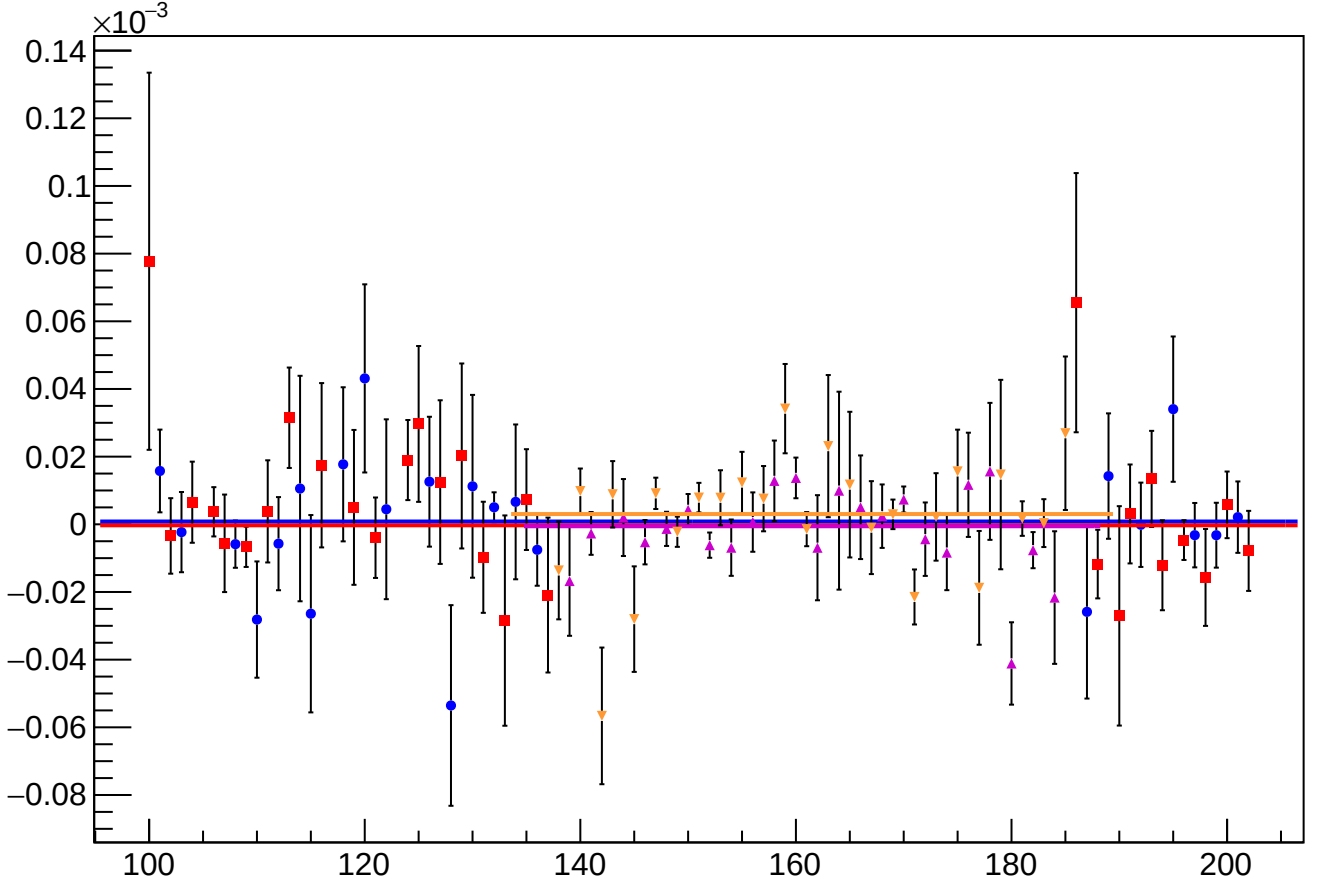
Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.268+/-0.028 χ^2/NDF: 11517156.9/47

All: 184.470+/-0.019 χ^2/NDF: 26152581.6/99

- sign 173.560+/-0.025 χ^2/NDF: 14203678.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

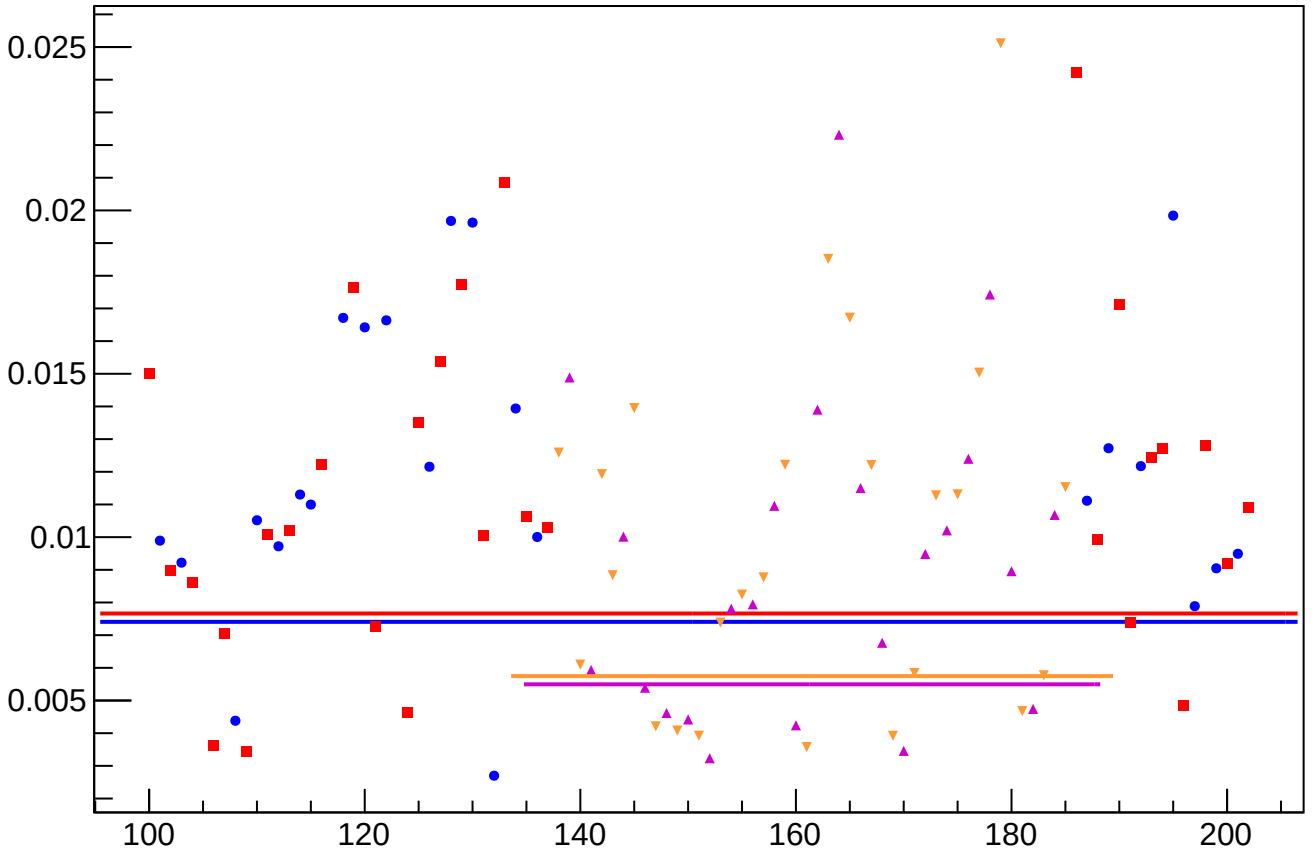
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/47

All: 0.000+/-0.000 χ^2/NDF: 123.7/99

- sign -0.000+/-0.000 χ^2/NDF: 59.1/51



Right In: 0.007+/-0.000 χ^2/NDF: 6200078.3/22

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

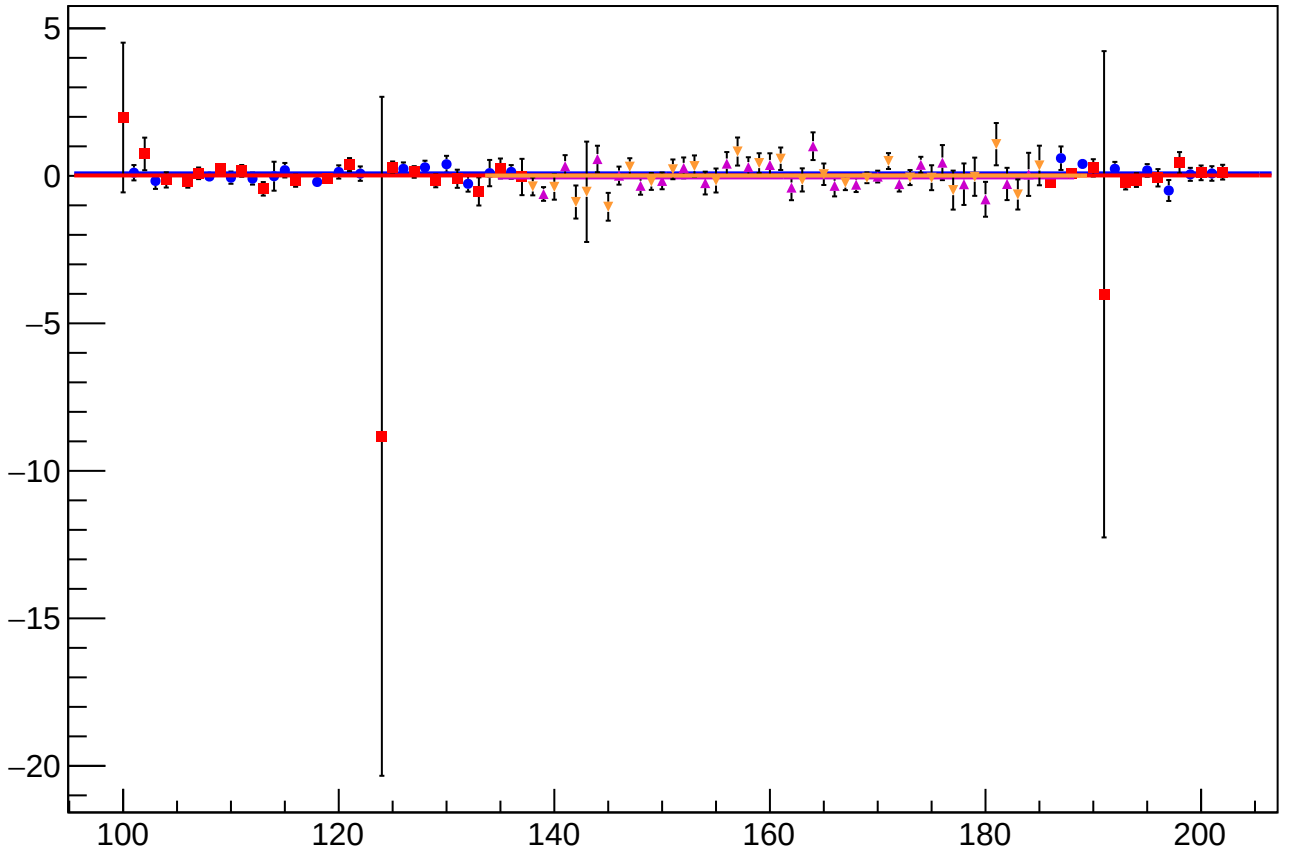
Right Out: 0.008+/-0.000 χ^2/NDF: 5592055.6/28

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14974230.6/47

All: 0.006+/-0.000 χ^2/NDF: 28738747.4/99

\- sign 0.006+/-0.000 χ^2/NDF: 13763127.8/51



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

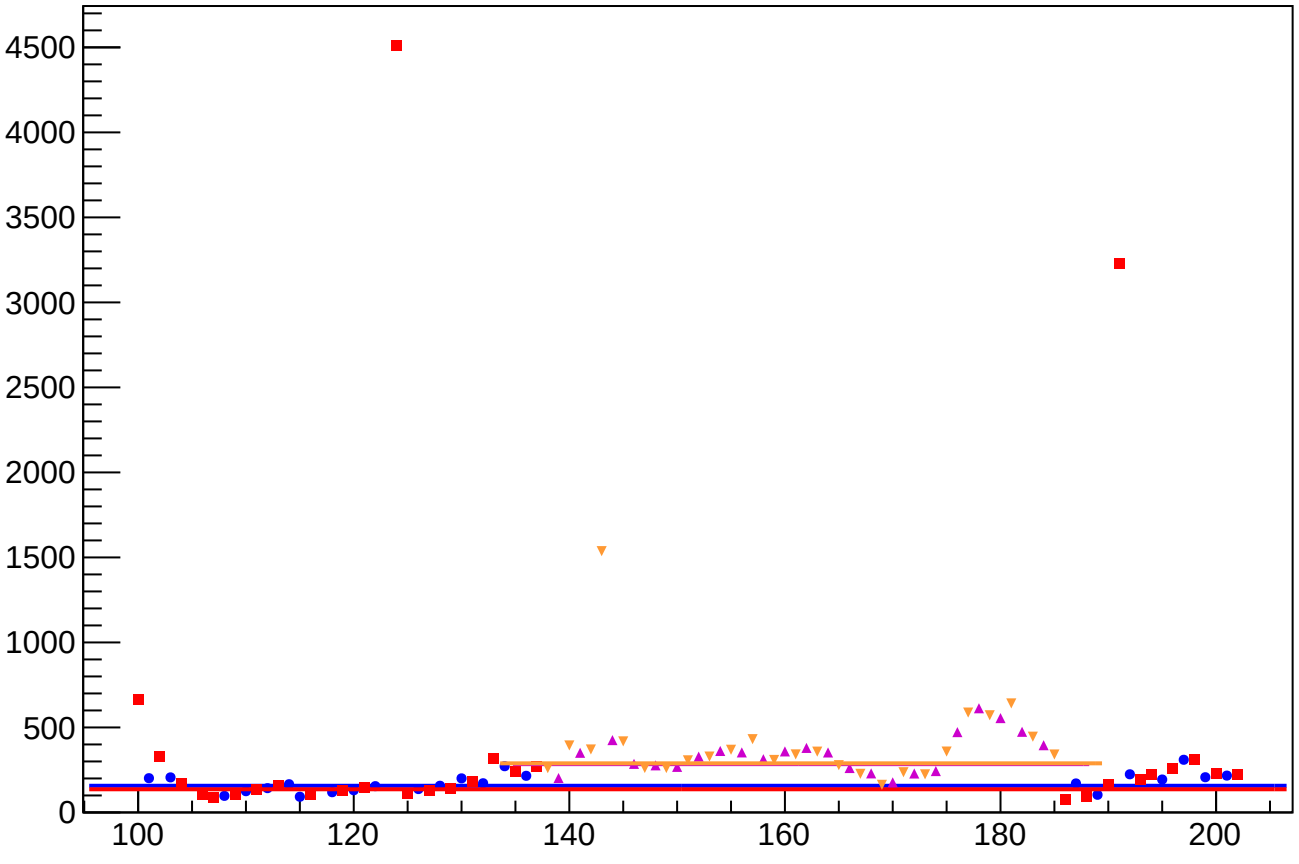
Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

- sign -0.003+/-0.035 χ^2/NDF: 57.8/51



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

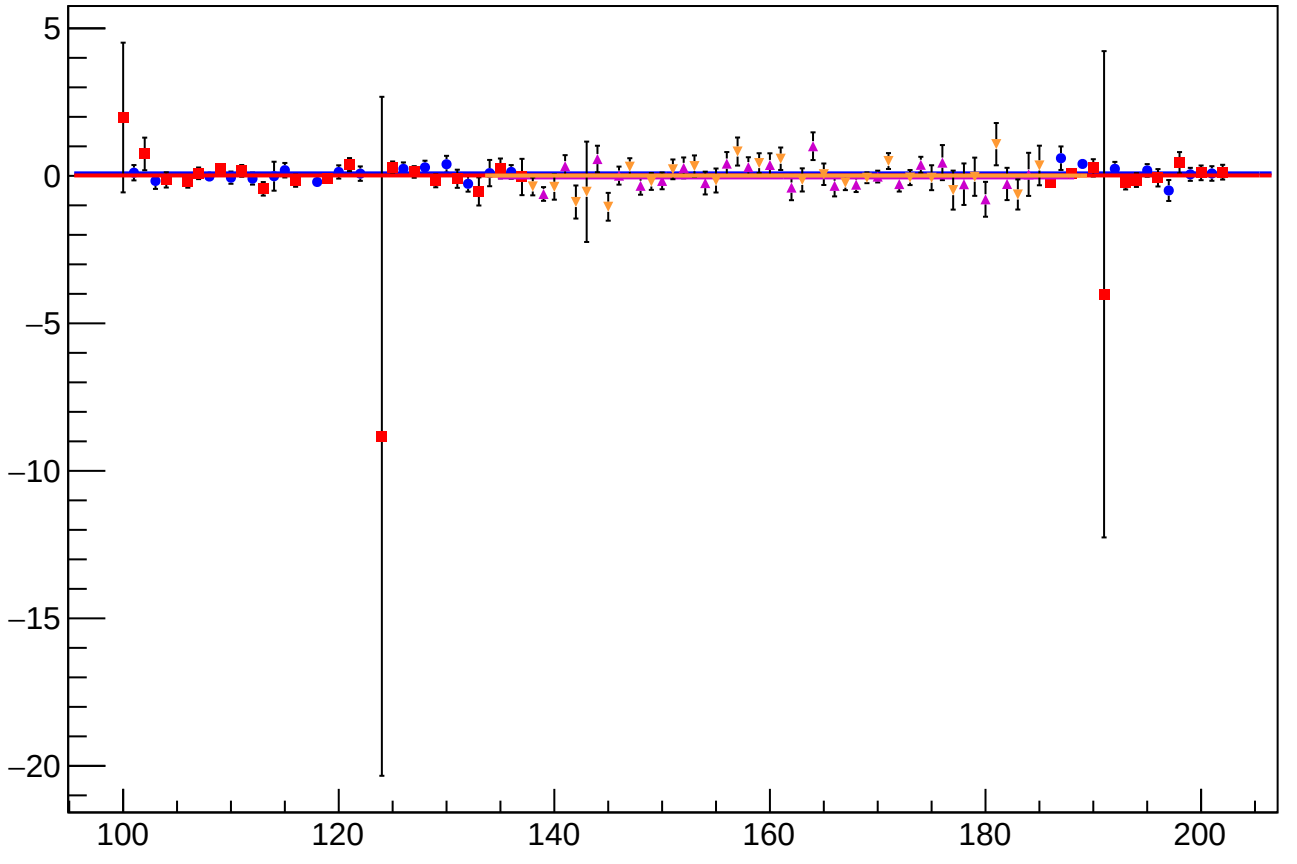
Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.267+/-0.028 χ^2/NDF: 11517375.6/47

All: 184.471+/-0.019 χ^2/NDF: 26152516.6/99

- sign 173.562+/-0.025 χ^2/NDF: 14203485.0/51



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

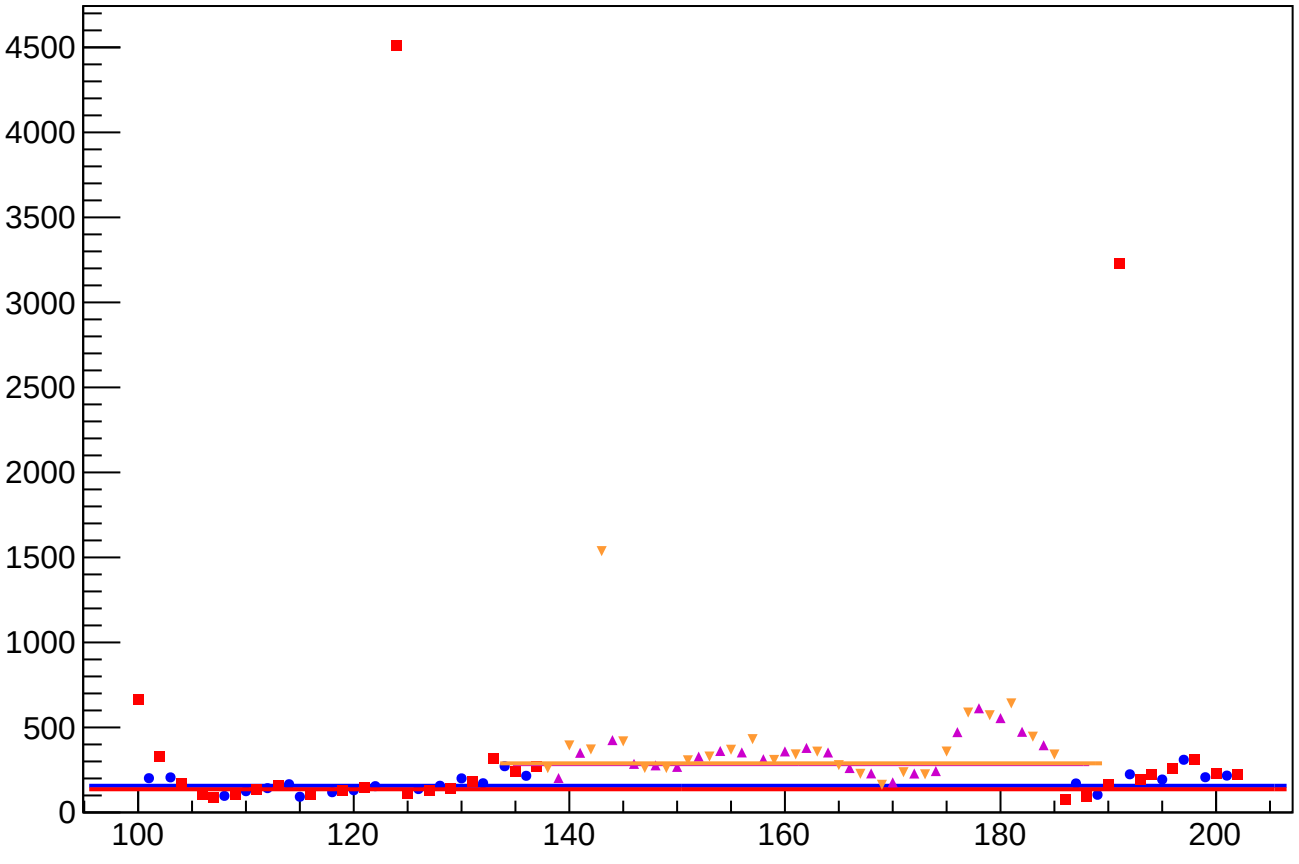
Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

- sign -0.003+/-0.035 χ^2/NDF: 57.8/51



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

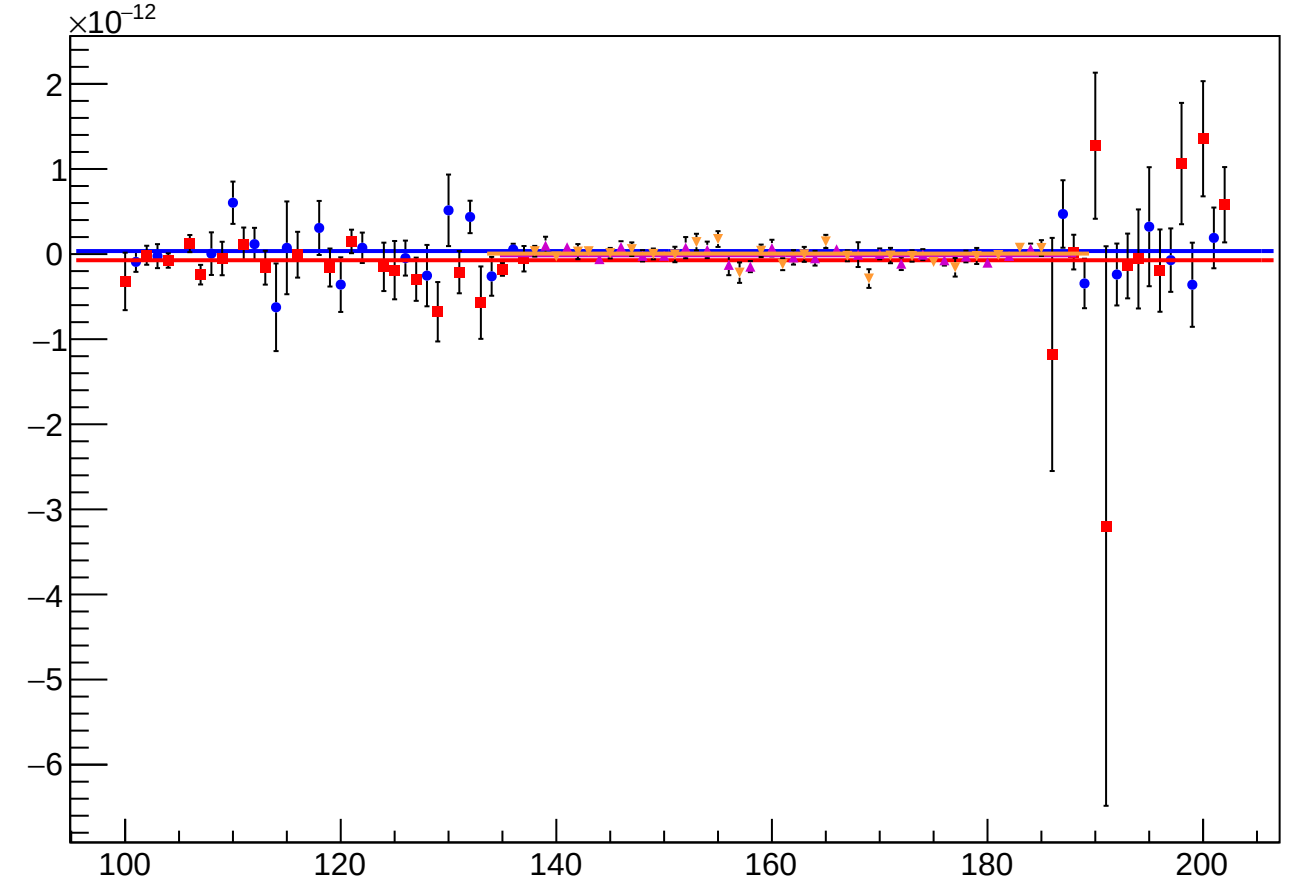
Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.267+/-0.028 χ^2/NDF: 11517375.6/47

All: 184.471+/-0.019 χ^2/NDF: 26152516.6/99

- sign 173.562+/-0.025 χ^2/NDF: 14203485.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

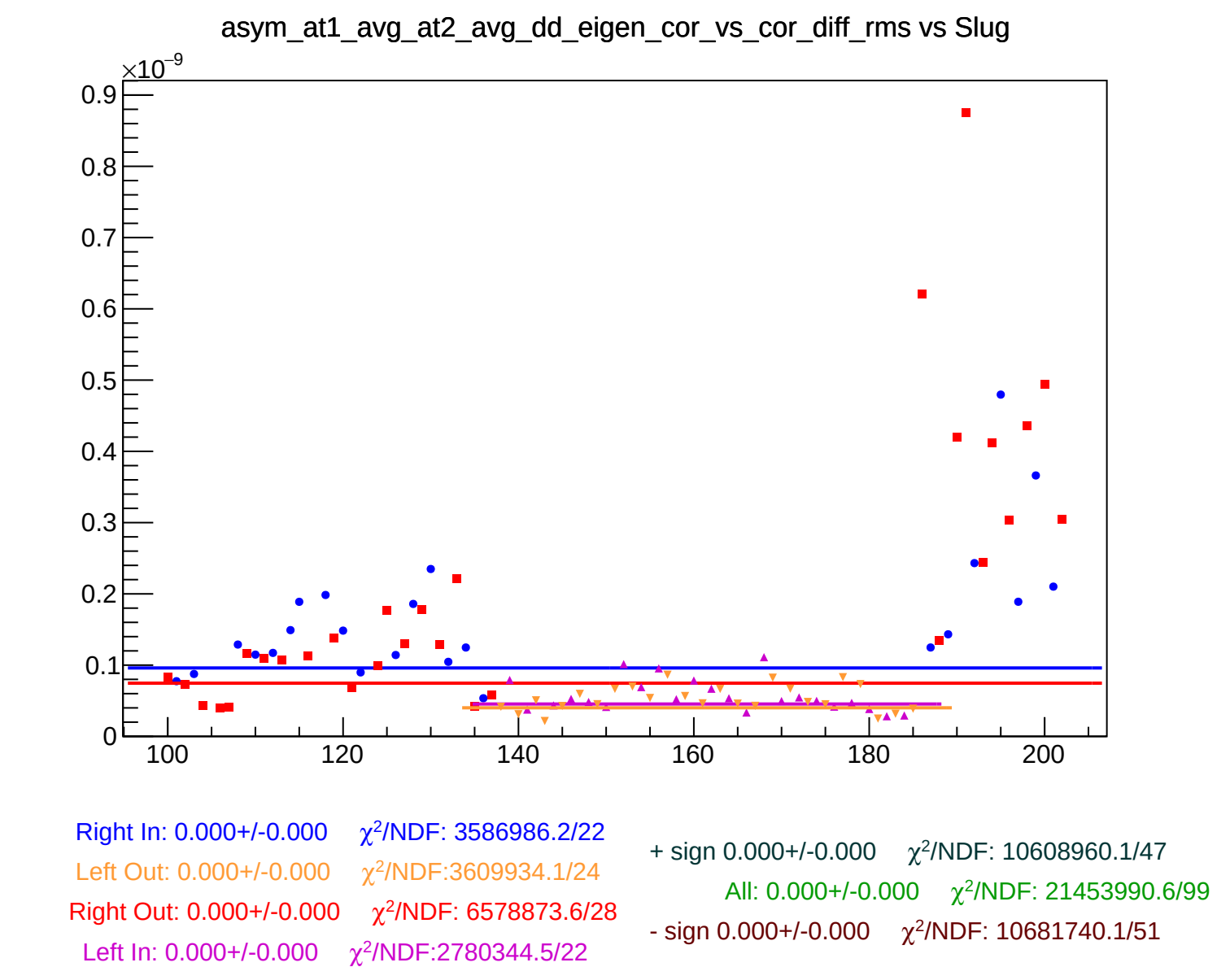
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/28

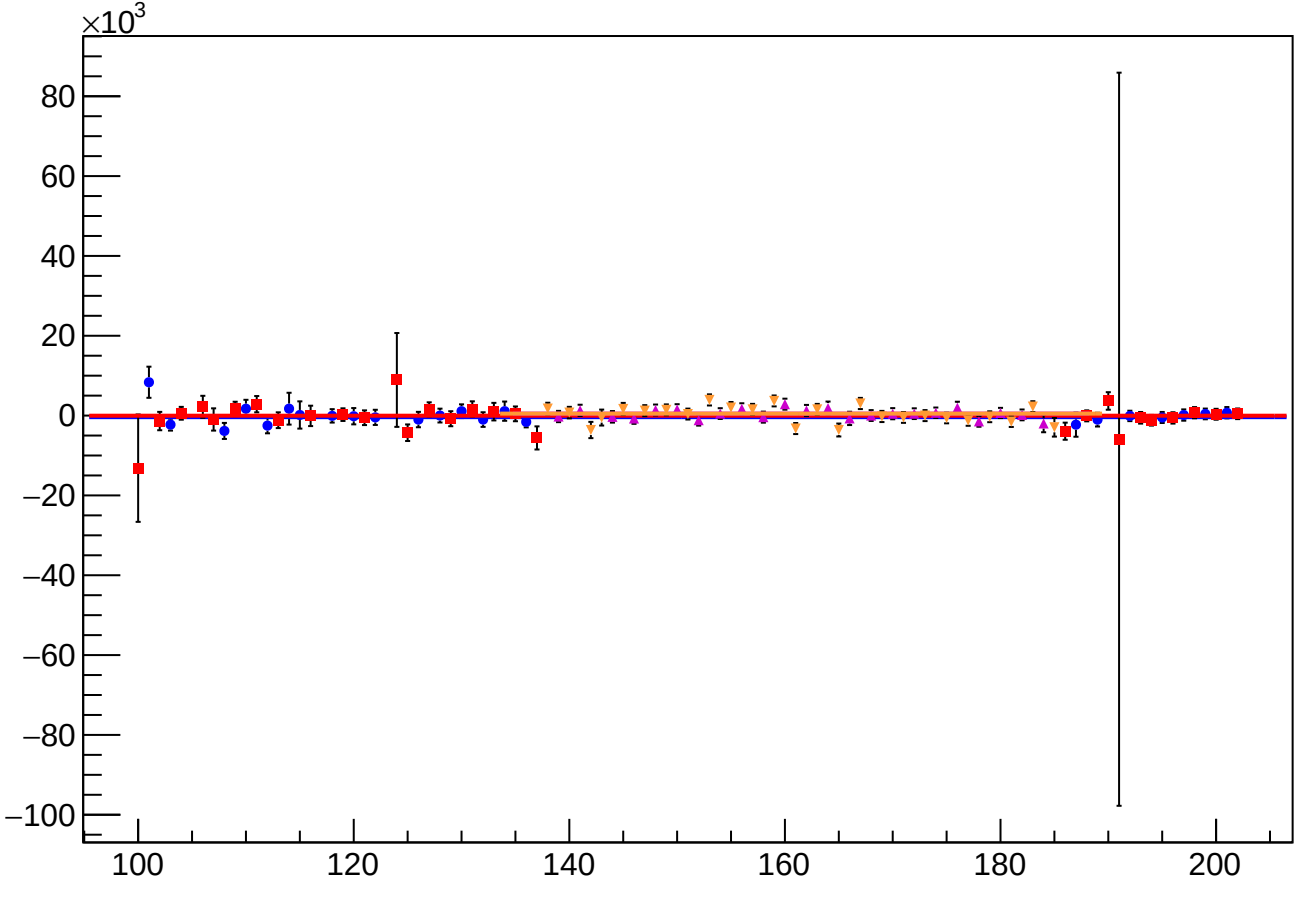
Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.2/47

All: -0.000+/-0.000 χ^2/NDF: 119.1/99

- sign -0.000+/-0.000 χ^2/NDF: 57.7/51


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3586986.2/22
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6578873.6/28
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 10608960.1/47
All: 0.000+/-0.000 χ²/NDF: 21453990.6/99
- sign 0.000+/-0.000 χ²/NDF: 10681740.1/51



Right In: -394.656+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -30.557+/-347.386 χ^2/NDF: 23.5/28

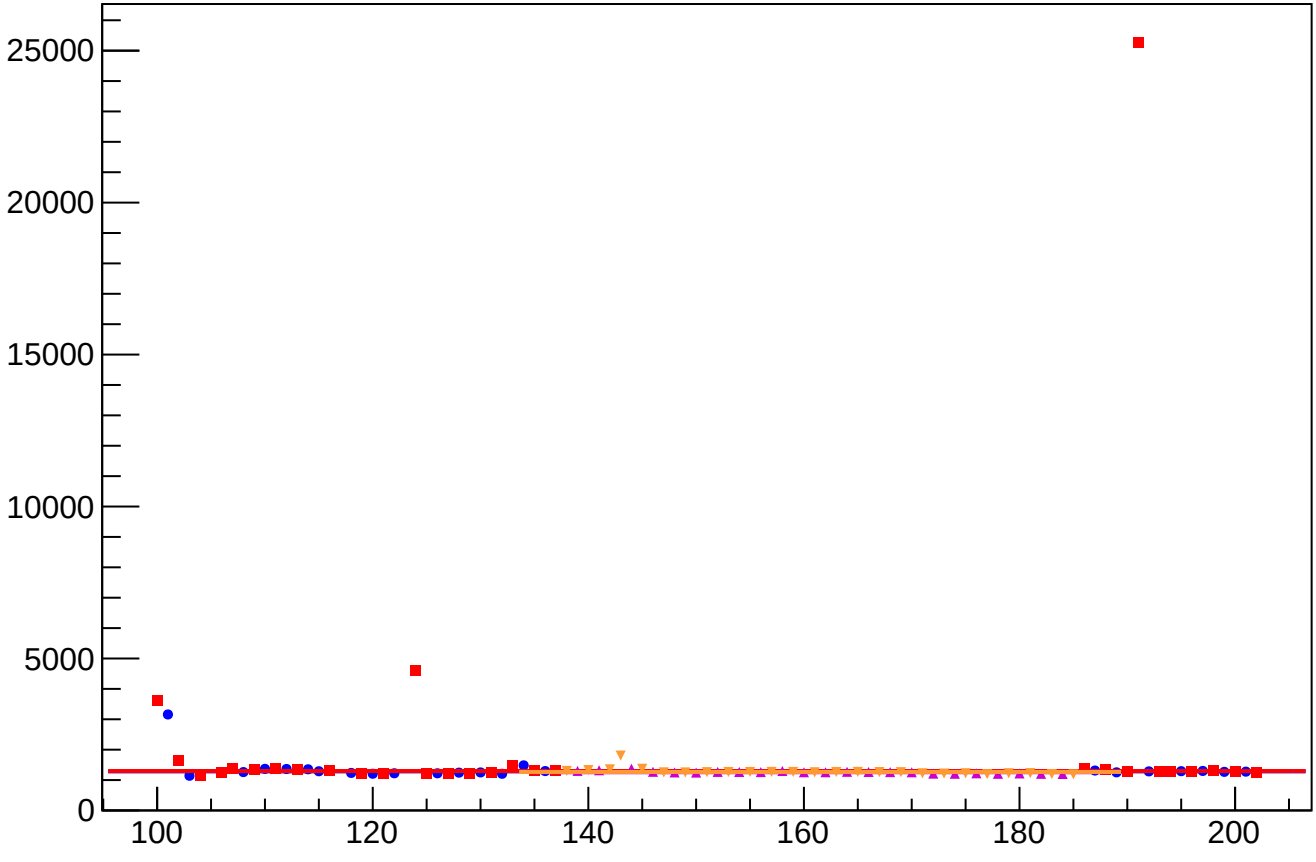
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 157.067+/-227.565 χ^2/NDF: 66.3/47

All: 214.903+/-159.751 χ^2/NDF: 105.7/99

- sign 271.098+/-224.314 χ^2/NDF: 39.2/51

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1286.533+/-0.262 χ^2/NDF: 516207.6/22

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

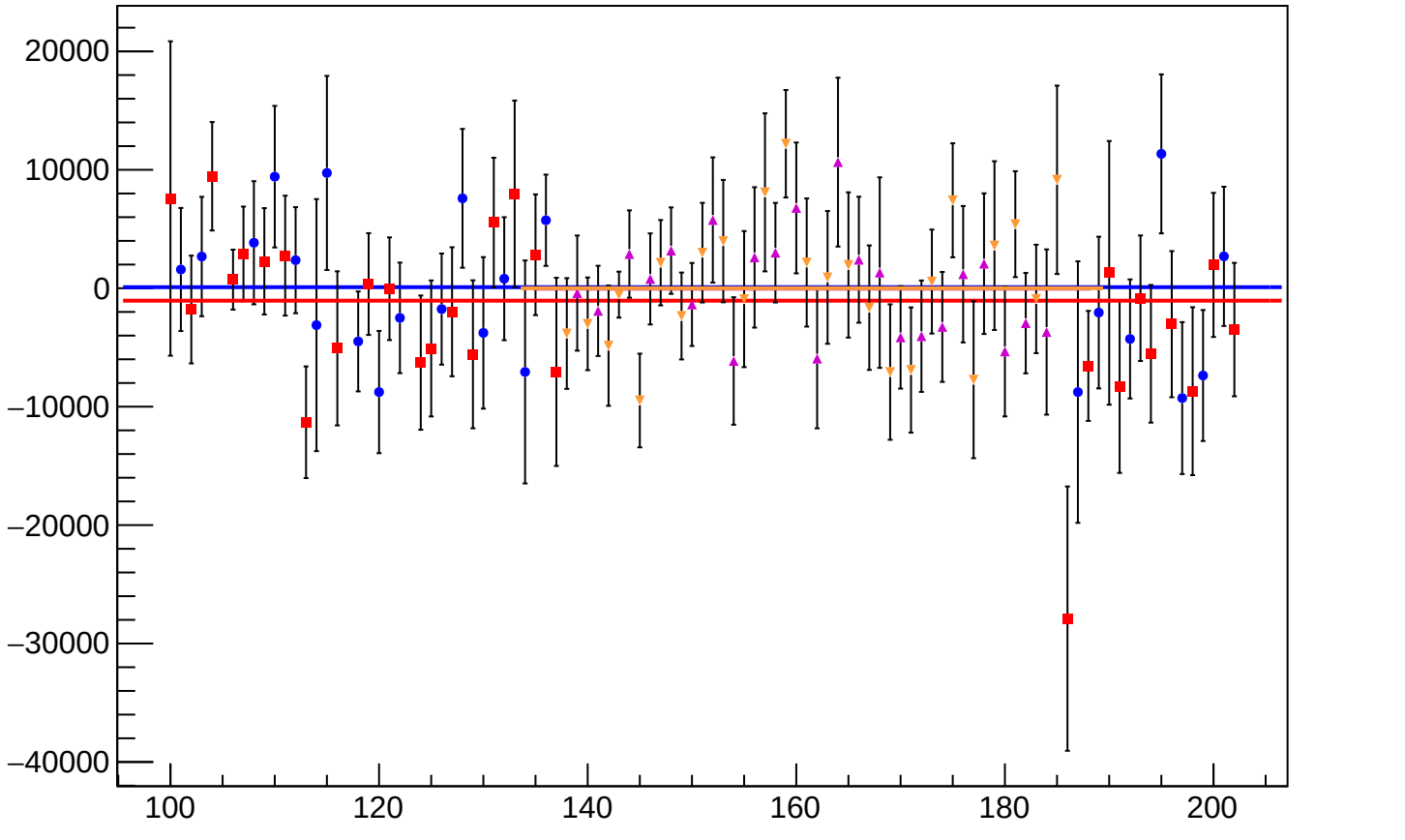
Right Out: 1296.553+/-0.245 χ^2/NDF: 467821.5/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707228.5/47

All: 1274.095+/-0.113 χ^2/NDF: 1226592.9/99

- sign 1273.838+/-0.159 χ^2/NDF: 519359.0/51



Right In: 89.768+/-1154.948 χ^2/NDF: 22.8/22

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

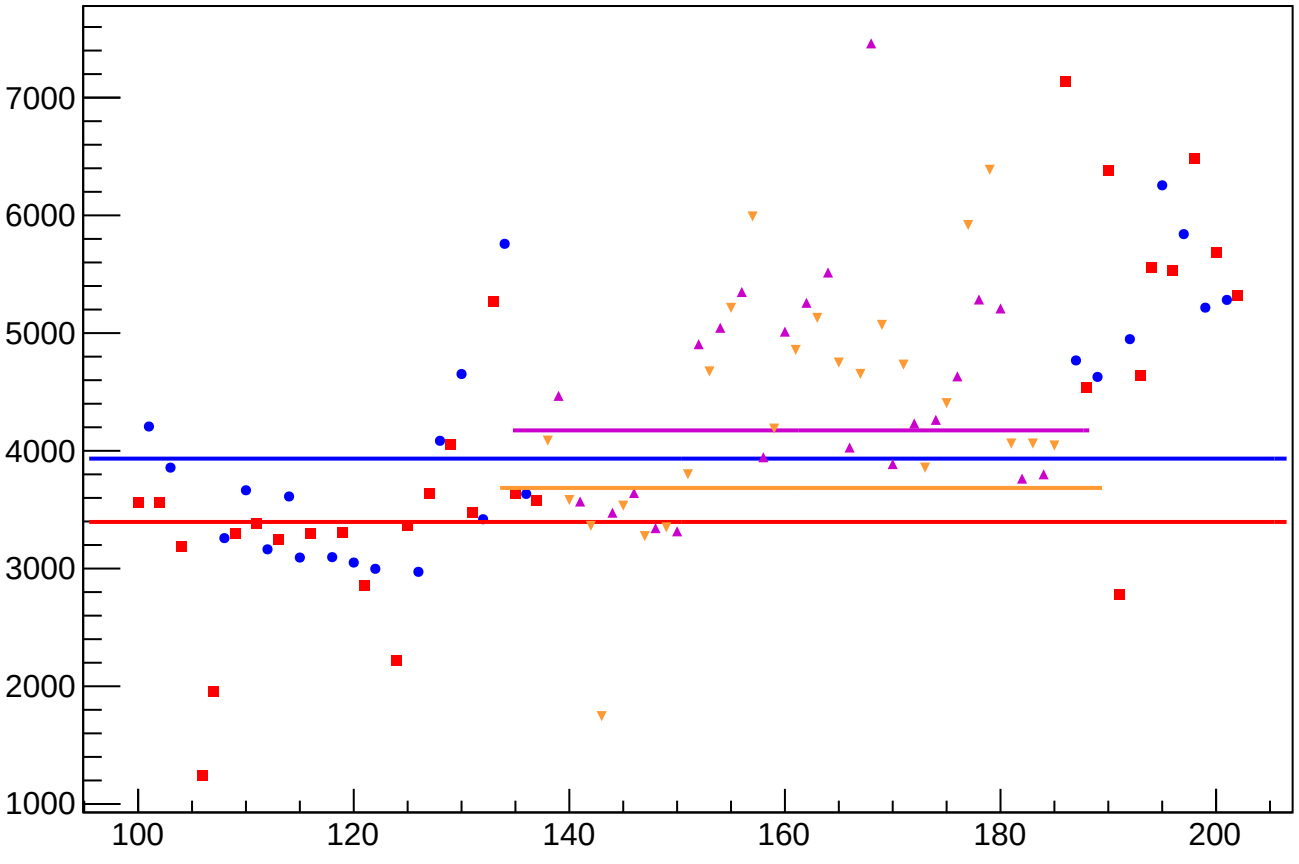
Right Out: -1049.679+/-970.752 χ^2/NDF: 29.9/28

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 32.900+/-703.220 χ^2/NDF: 51.9/47

All: -263.699+/-494.305 χ^2/NDF: 96.8/99

- sign -553.370+/-694.958 χ^2/NDF: 44.5/51



Right In: 3933.796+/-0.817 χ^2/NDF: 1306248.7/22

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

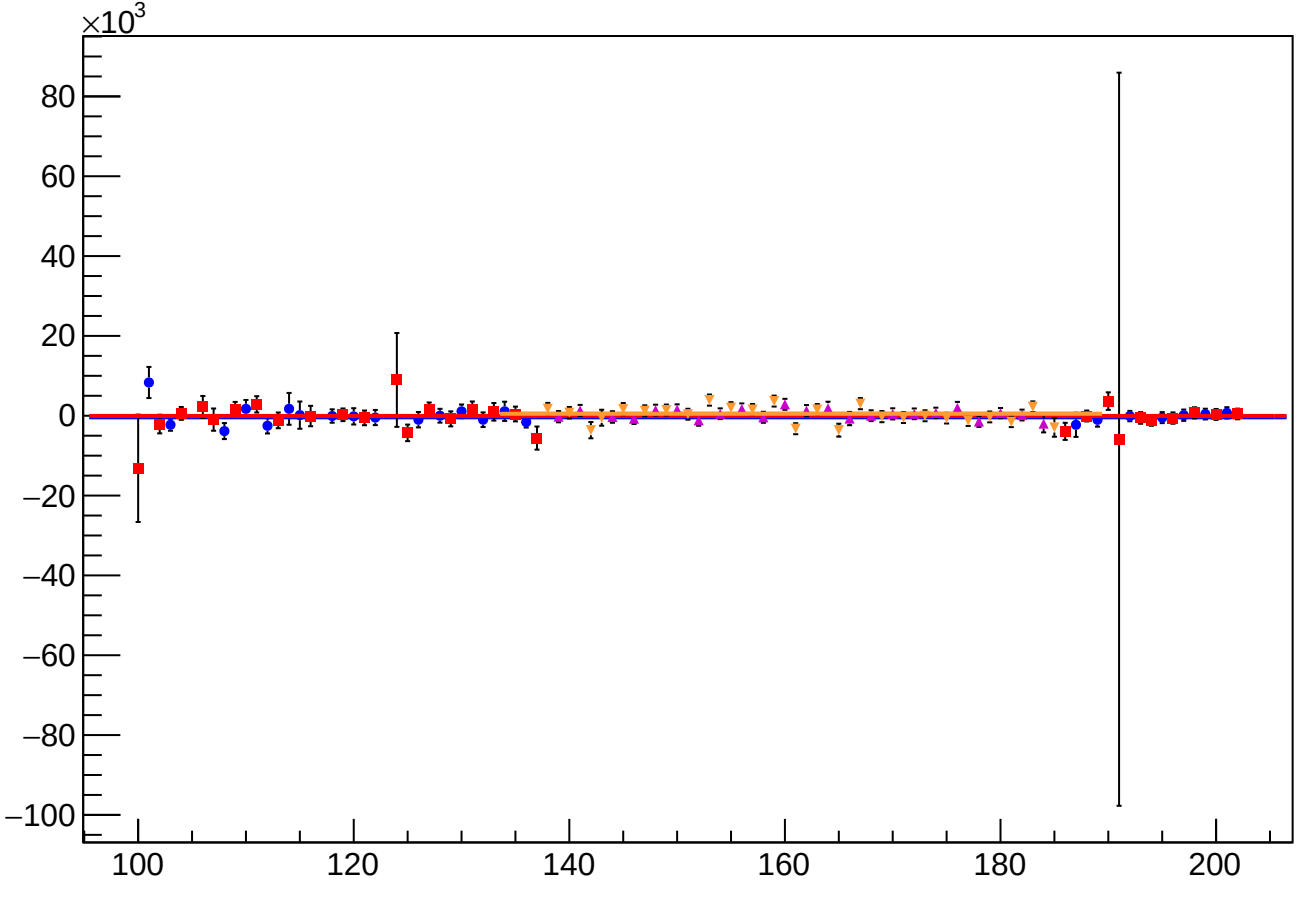
Right Out: 3395.819+/-0.686 χ^2/NDF: 4012509.1/28

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3777.091+/-0.497 χ^2/NDF: 5058406.3/47

All: 3776.013+/-0.350 χ^2/NDF: 10971708.7/9

- sign 3774.960+/-0.491 χ^2/NDF: 5913293.1/51



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -45.322+/-347.502 χ^2/NDF: 23.9/28

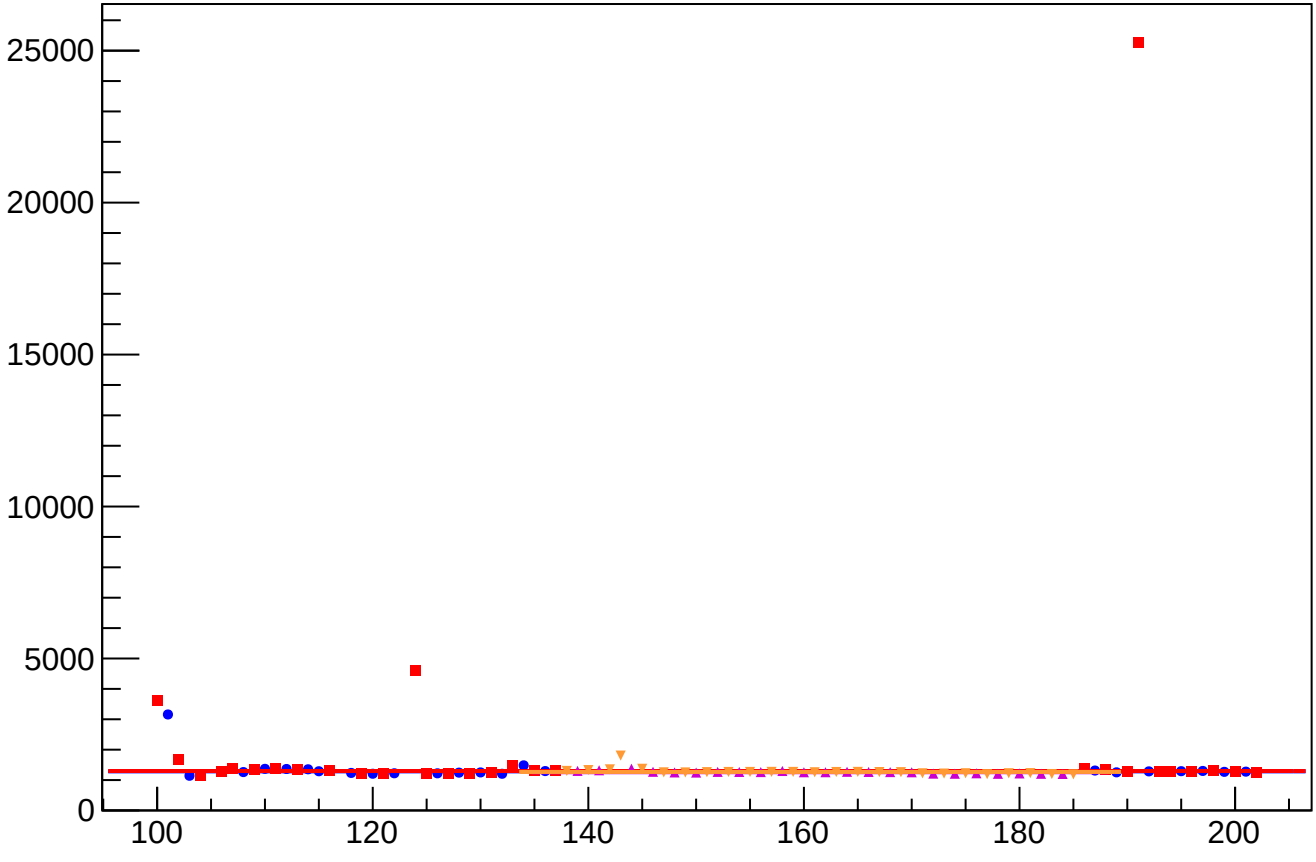
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 211.757+/-159.762 χ^2/NDF: 106.1/99

- sign 264.969+/-224.346 χ^2/NDF: 39.7/51

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

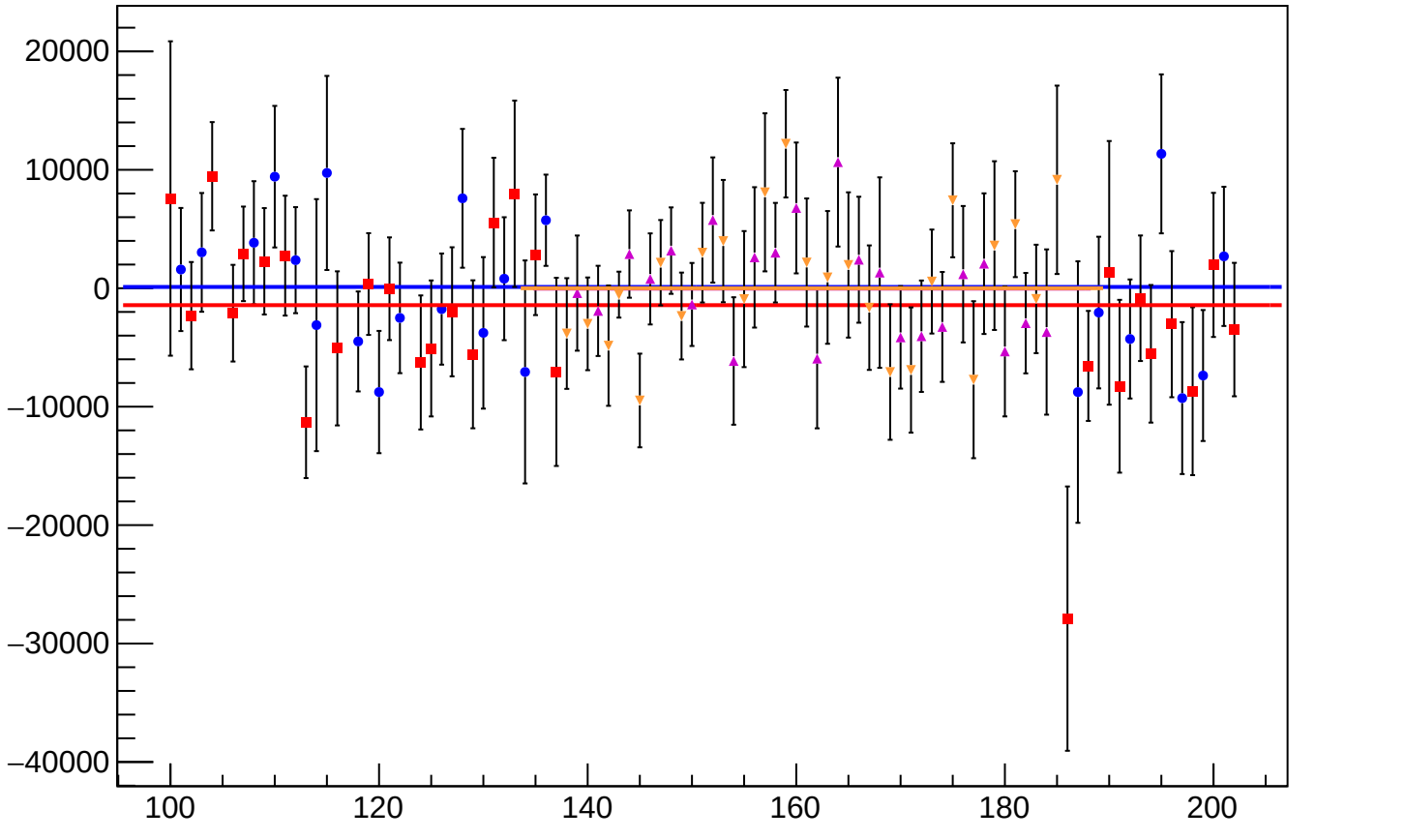
Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99

- sign 1274.253+/-0.159 χ^2/NDF: 526753.2/51



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

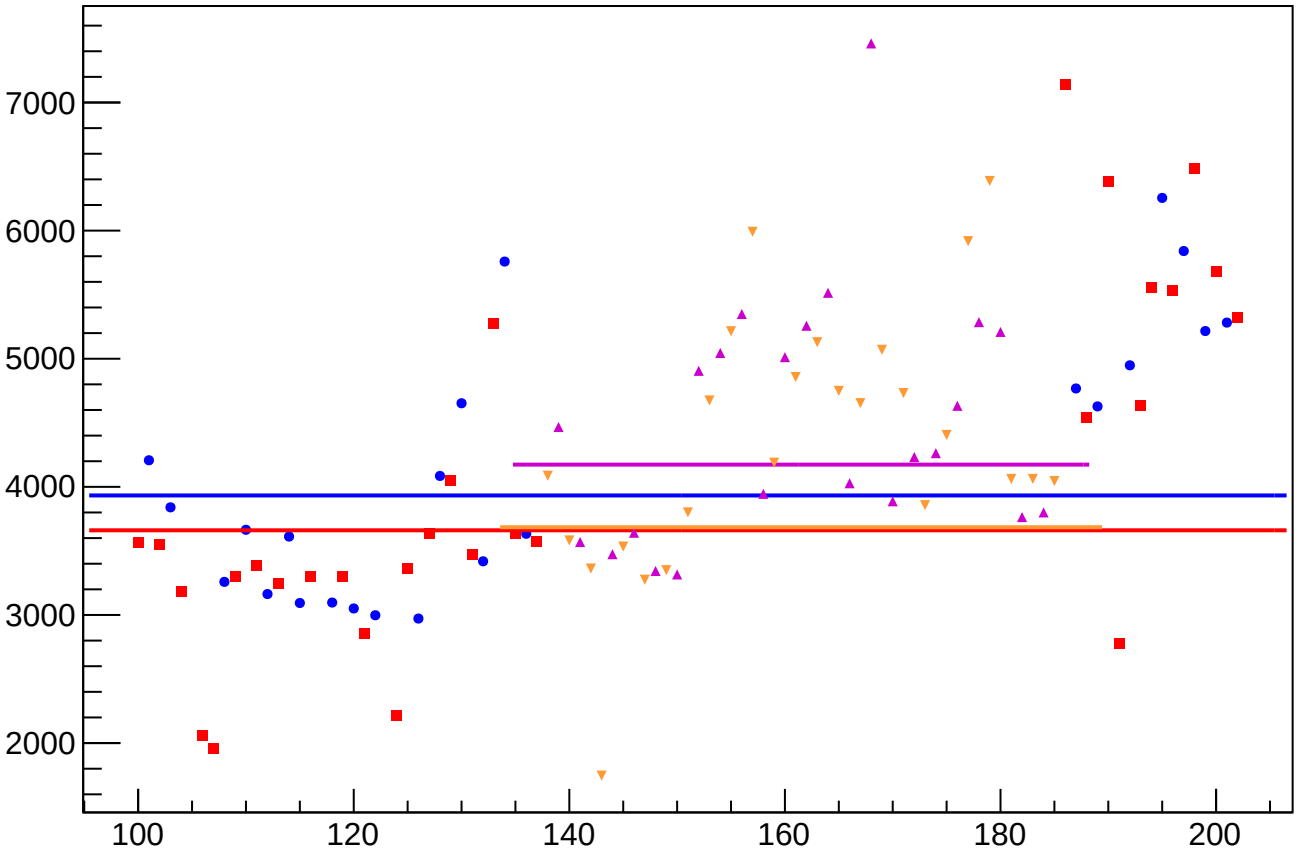
Right Out: -1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 40.353+/-703.152 χ^2/NDF: 52.0/47

All: -332.579+/-500.162 χ^2/NDF: 97.0/99

- sign -714.523+/-711.597 χ^2/NDF: 44.4/51



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

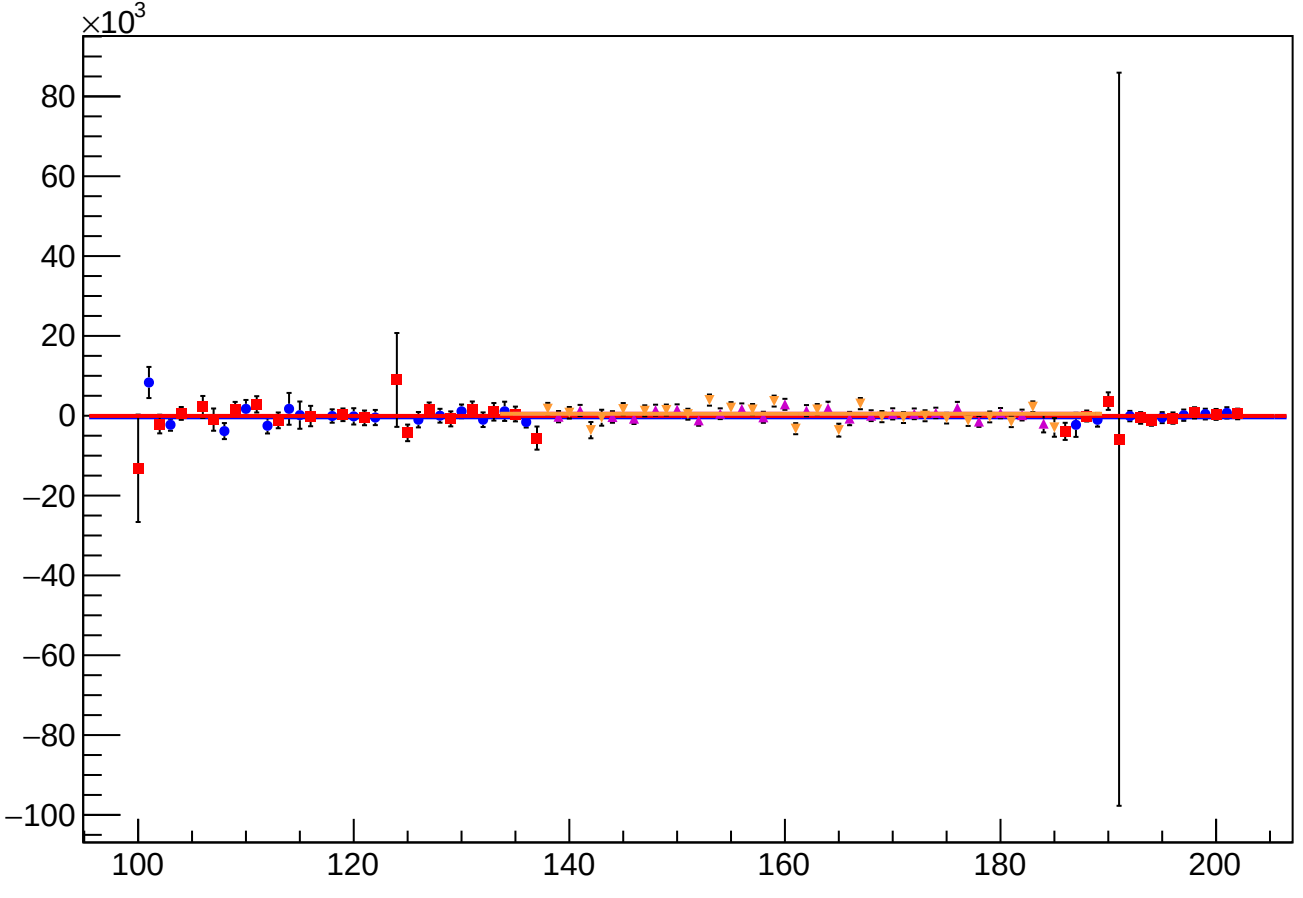
Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3848.949+/-0.354 χ^2/NDF: 9275230.7/99

- sign 3922.864+/-0.503 χ^2/NDF: 4174256.2/51



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

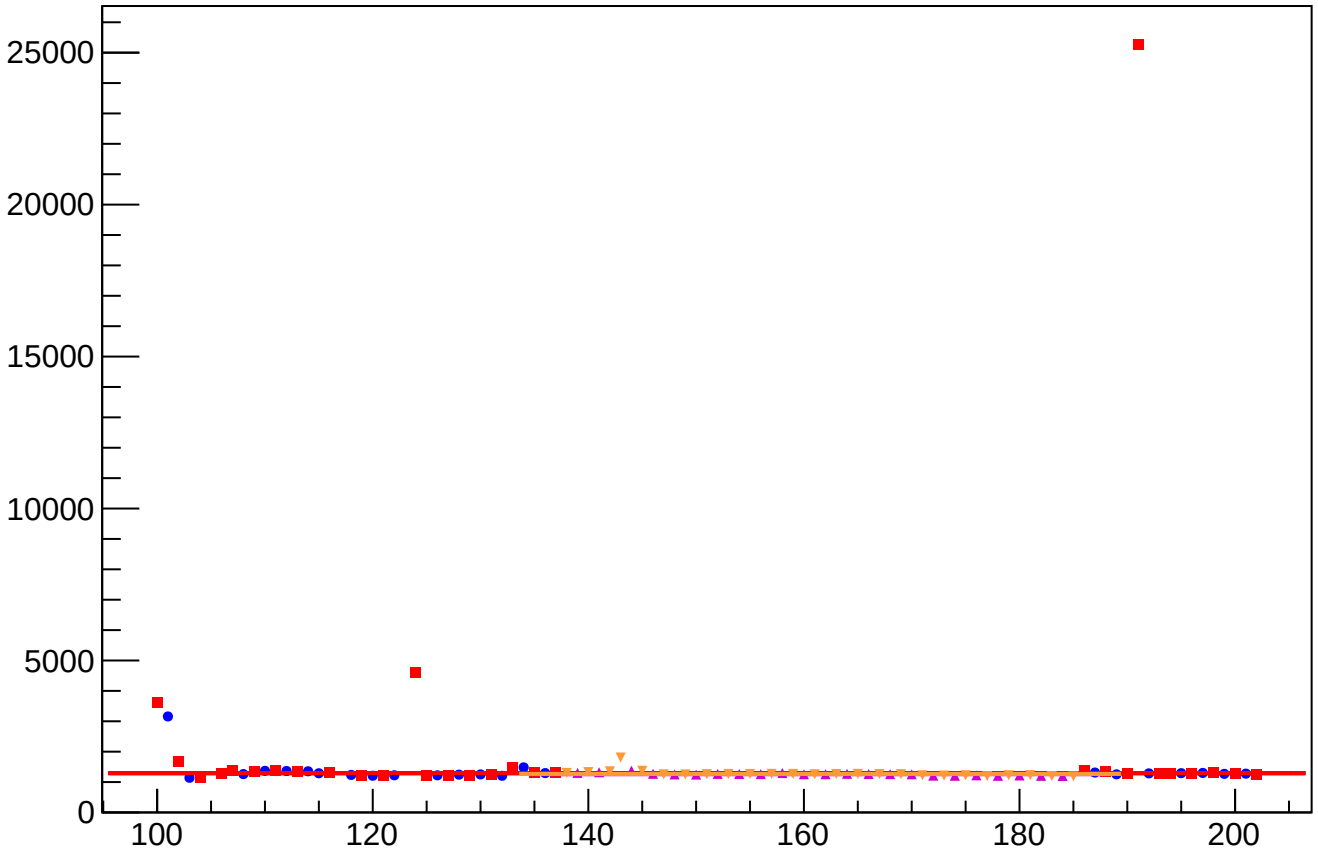
Right Out: -45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 211.757+/-159.762 χ^2/NDF: 106.1/99

- sign 264.969+/-224.346 χ^2/NDF: 39.7/51



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

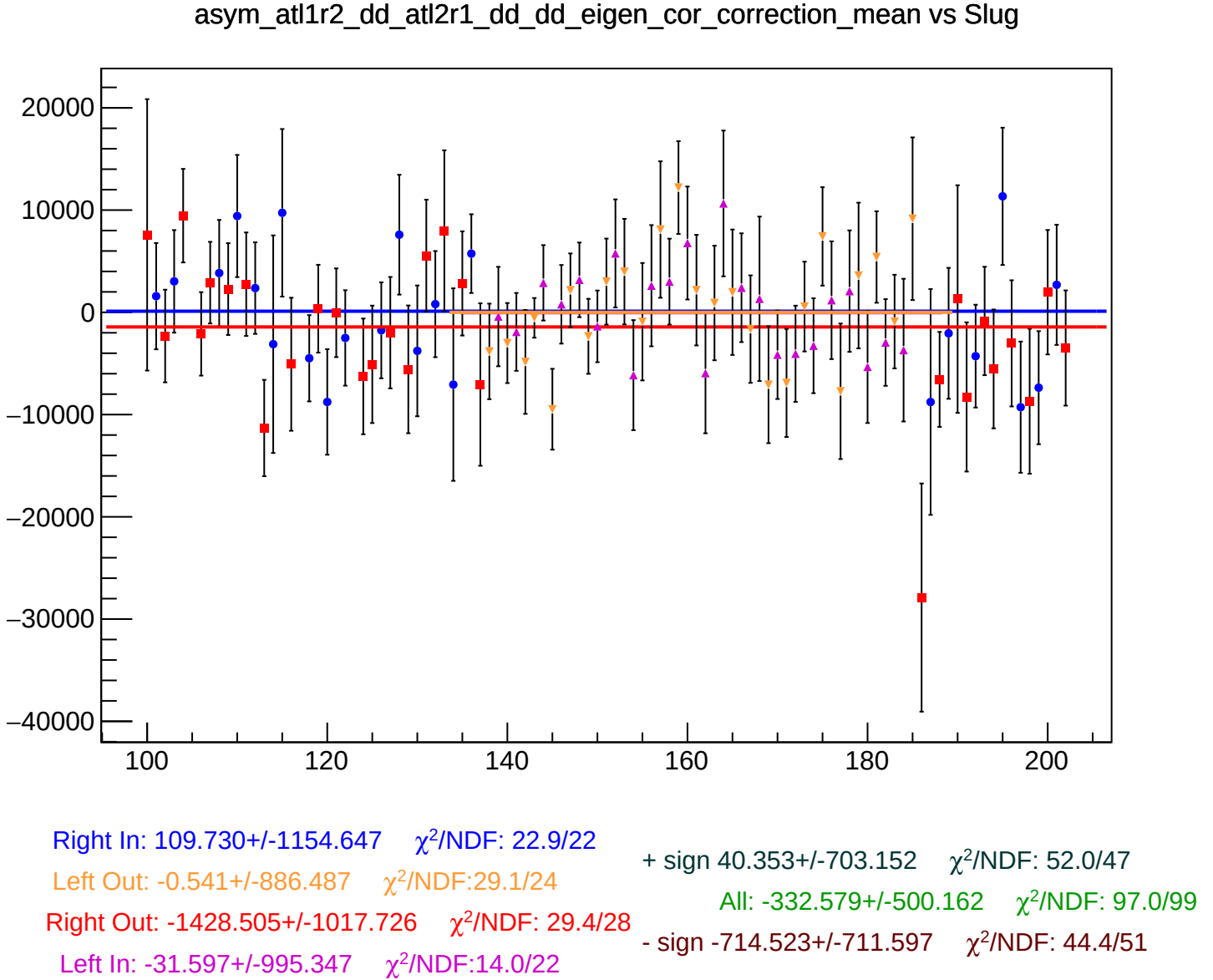
Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

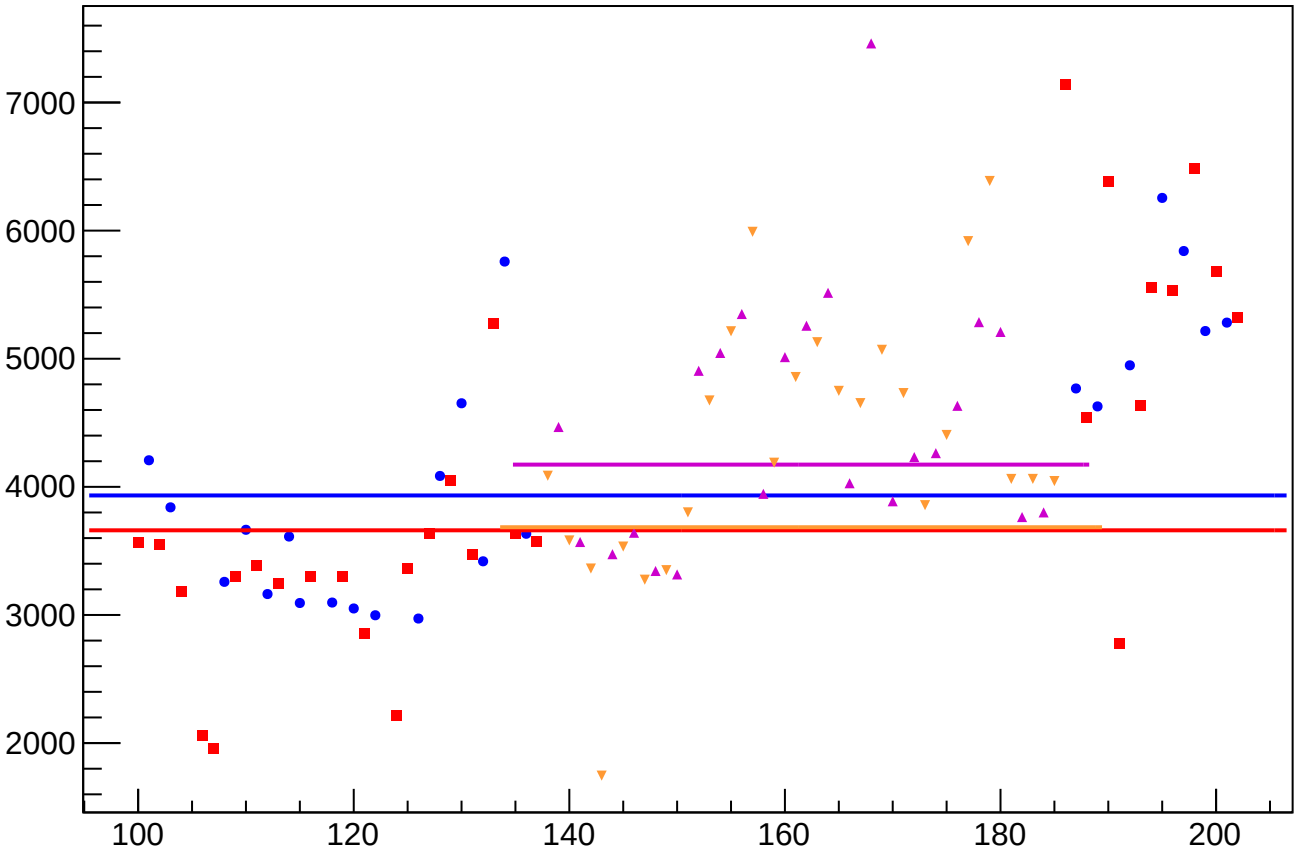
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.305+/-0.113 χ^2/NDF: 1233983.3/99

- sign 1274.253+/-0.159 χ^2/NDF: 526753.2/51


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 109.730+/-1154.647 χ²/NDF: 22.9/22
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1428.505+/-1017.726 χ²/NDF: 29.4/28
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 40.353+/-703.152 χ²/NDF: 52.0/47
All: -332.579+/-500.162 χ²/NDF: 97.0/99
- sign -714.523+/-711.597 χ²/NDF: 44.4/51



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

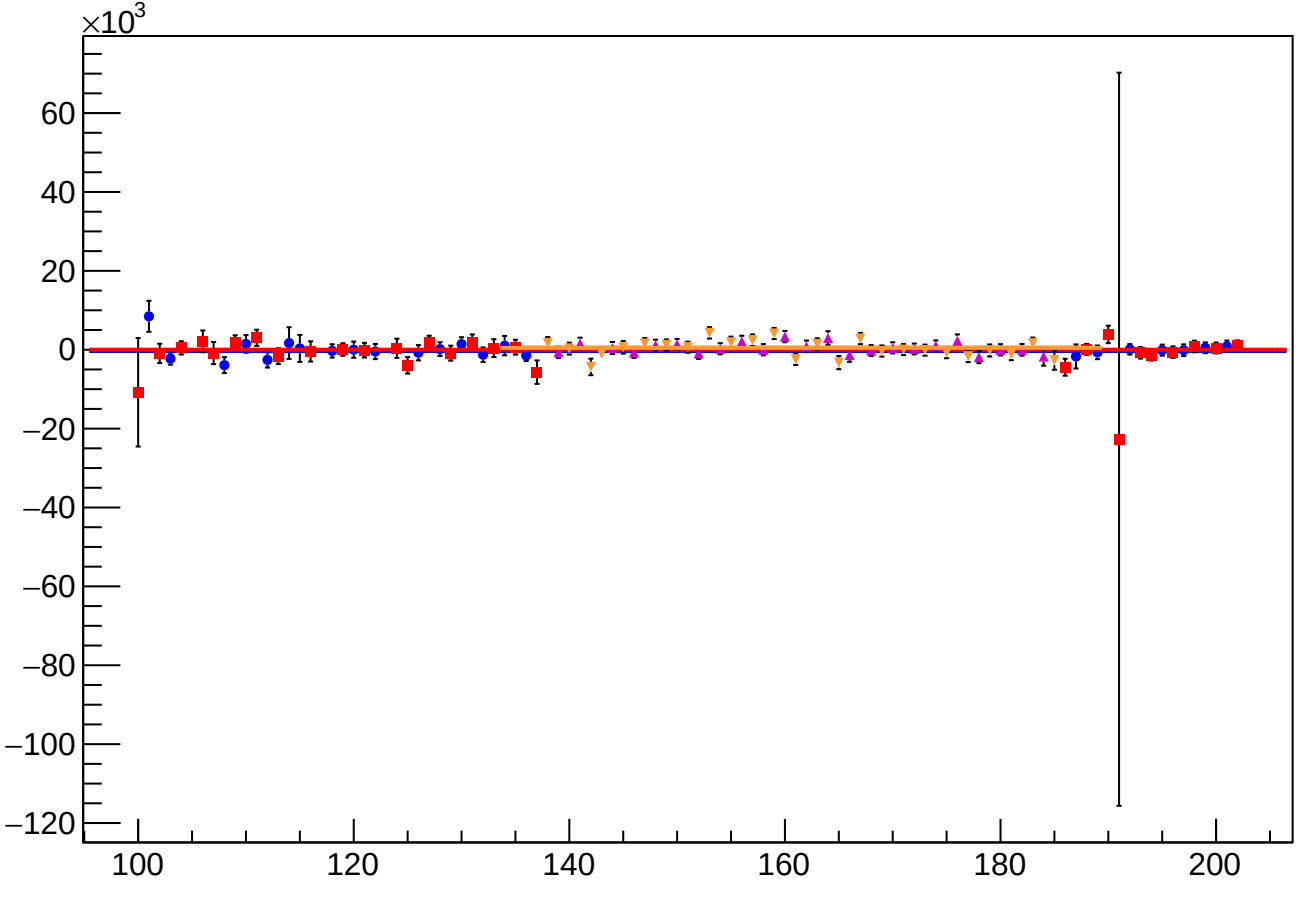
Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3848.949+/-0.354 χ^2/NDF: 9275230.7/99

- sign 3922.864+/-0.503 χ^2/NDF: 4174256.2/51



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 10.934+/-349.986 χ^2/NDF: 24.7/28

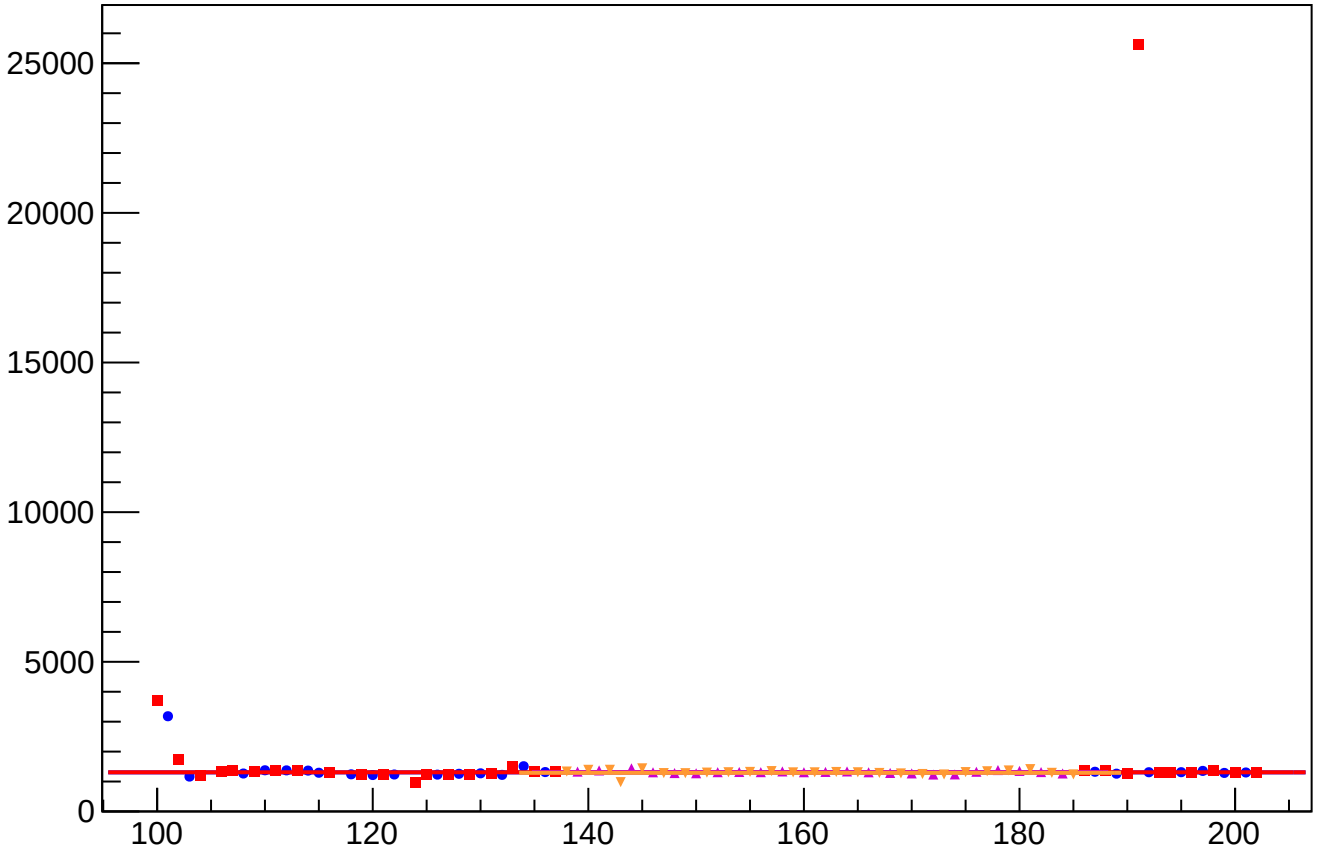
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 168.026+/-231.668 χ^2/NDF: 62.7/47

All: 228.885+/-163.512 χ^2/NDF: 106.0/99

\- sign 289.297+/-230.815 χ^2/NDF: 43.2/51

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.5/22

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

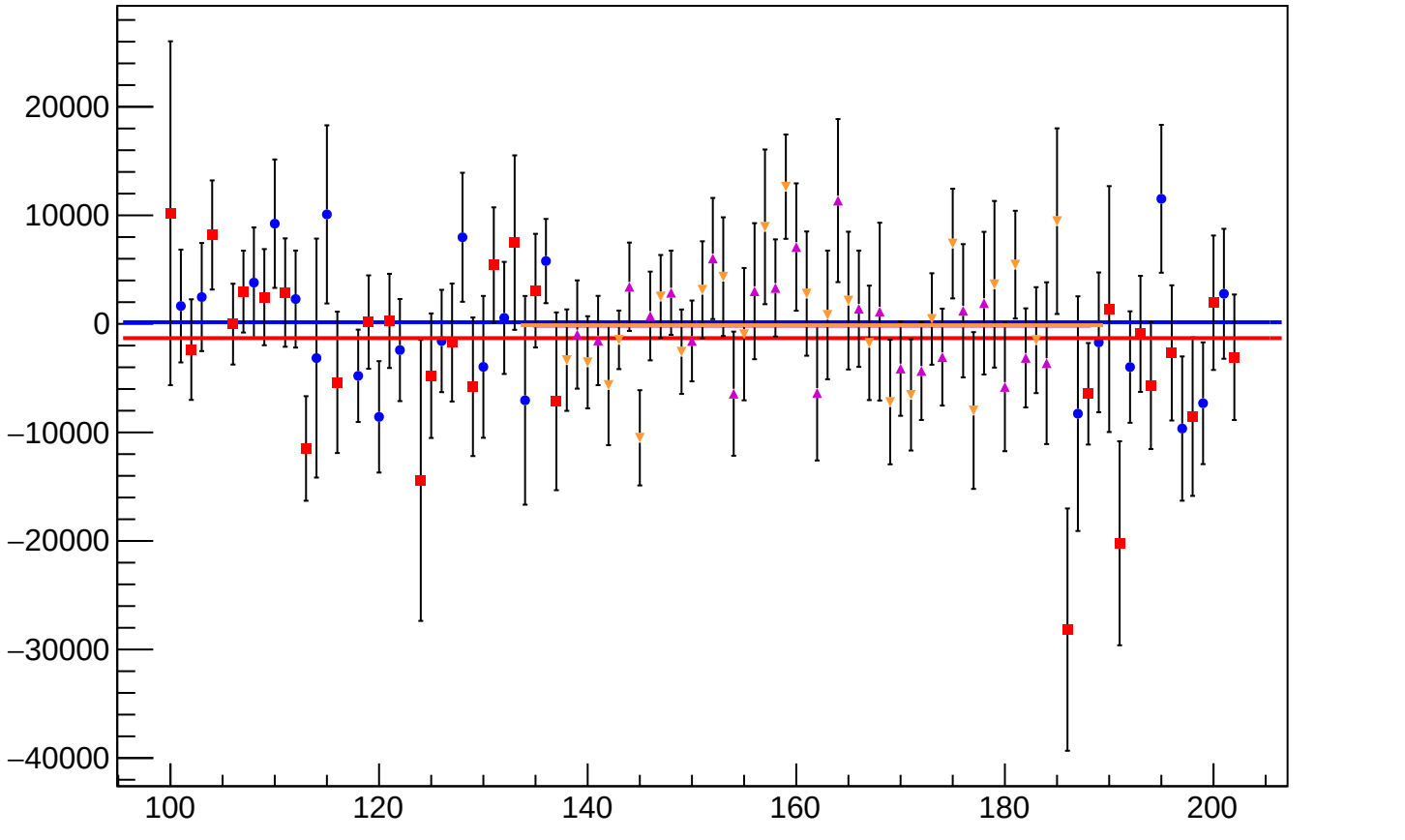
Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.3/28

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.655+/-0.164 χ^2/NDF: 747148.7/47

All: 1304.210+/-0.116 χ^2/NDF: 1158030.9/99

- sign 1311.707+/-0.163 χ^2/NDF: 406644.6/51



Right In: 153.864+/-1160.928 χ^2/NDF: 22.7/22

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

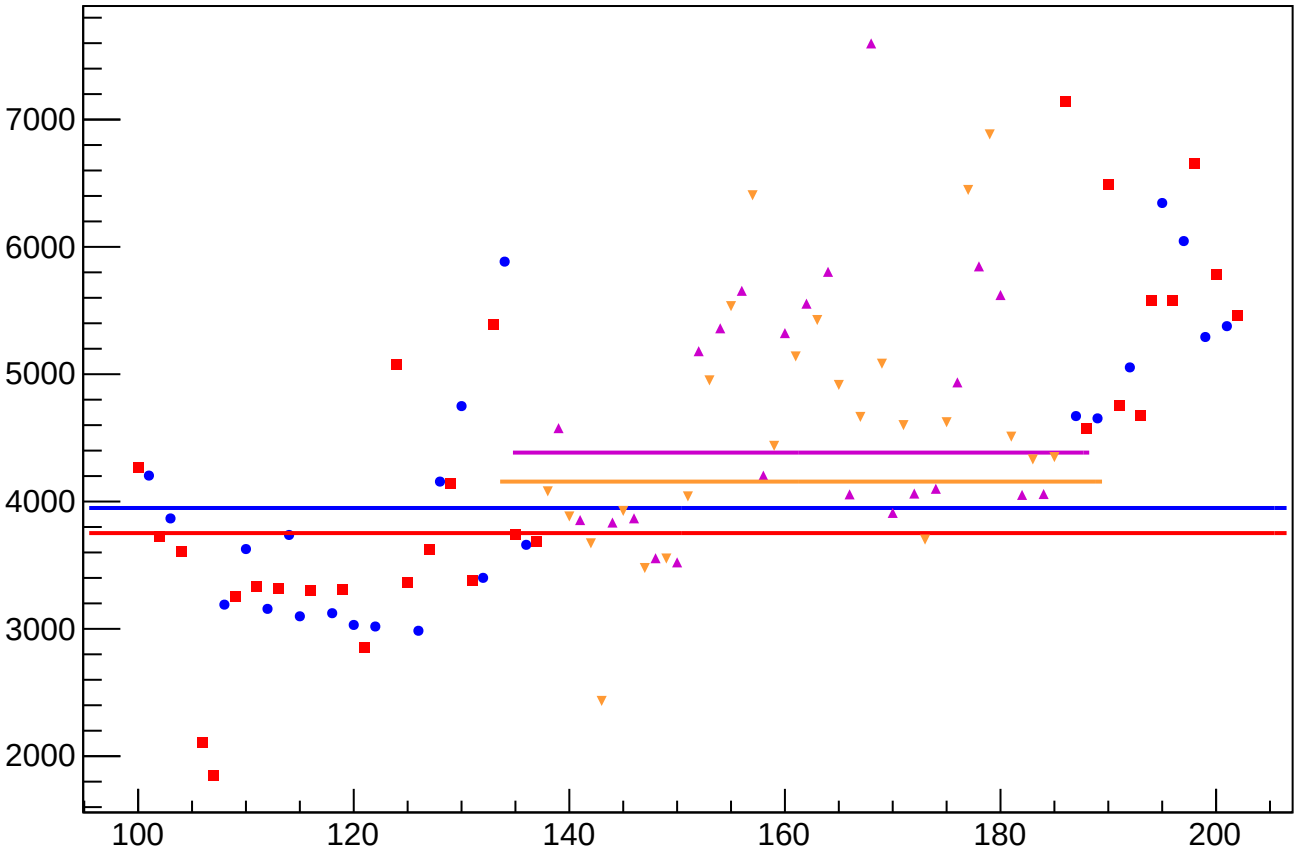
Right Out: -1312.194+/-1035.746 χ^2/NDF: 31.0/28

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -10.681+/-747.619 χ^2/NDF: 51.3/47

All: -381.771+/-524.422 χ^2/NDF: 97.2/99

- sign -741.231+/-735.811 χ^2/NDF: 45.4/51



Right In: 3949.274+/-0.821 χ^2/NDF: 1389419.1/22

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

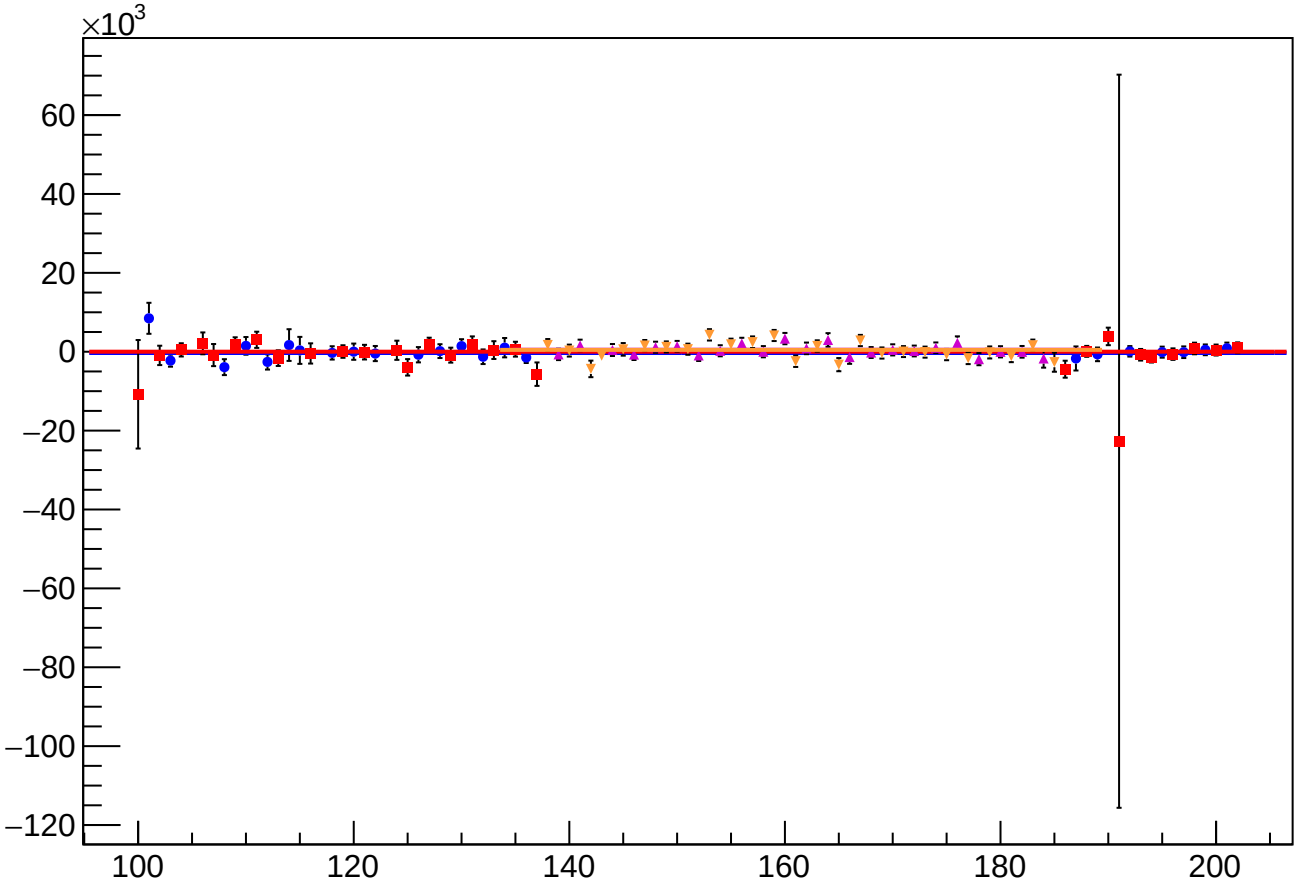
Right Out: 3752.152+/-0.732 χ^2/NDF: 2726333.6/28

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

\+ sign 4070.608+/-0.529 χ^2/NDF: 3507511.8/47

All: 4067.897+/-0.371 χ^2/NDF: 7858403.1/99

\- sign 4065.272+/-0.520 χ^2/NDF: 4350839.6/51



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

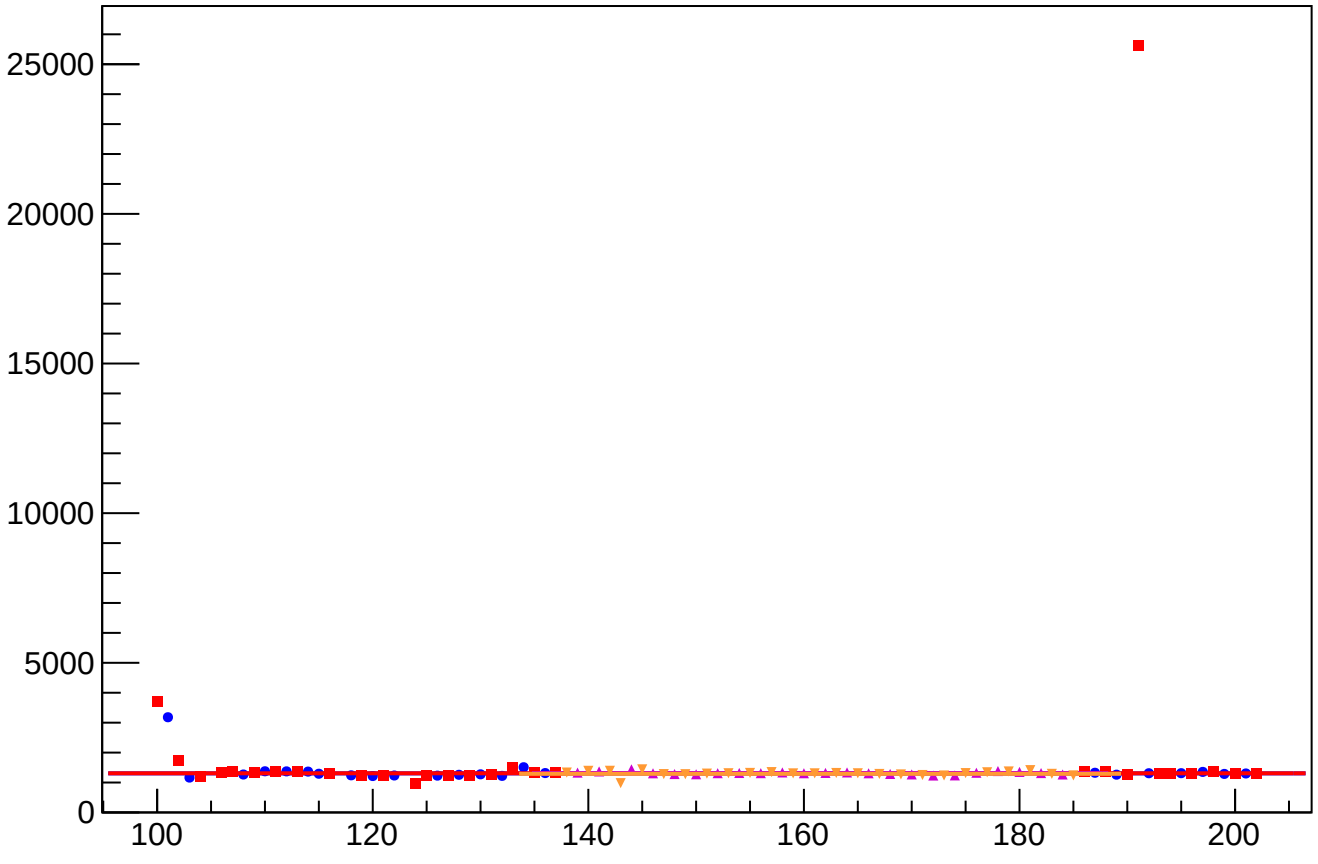
Right Out: 10.937+/-349.986 χ^2/NDF: 24.7/28

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign 168.027+/-231.668 χ^2/NDF: 62.7/47

All: 228.886+/-163.512 χ^2/NDF: 106.0/99

\- sign 289.298+/-230.816 χ^2/NDF: 43.2/51



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.7/22

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

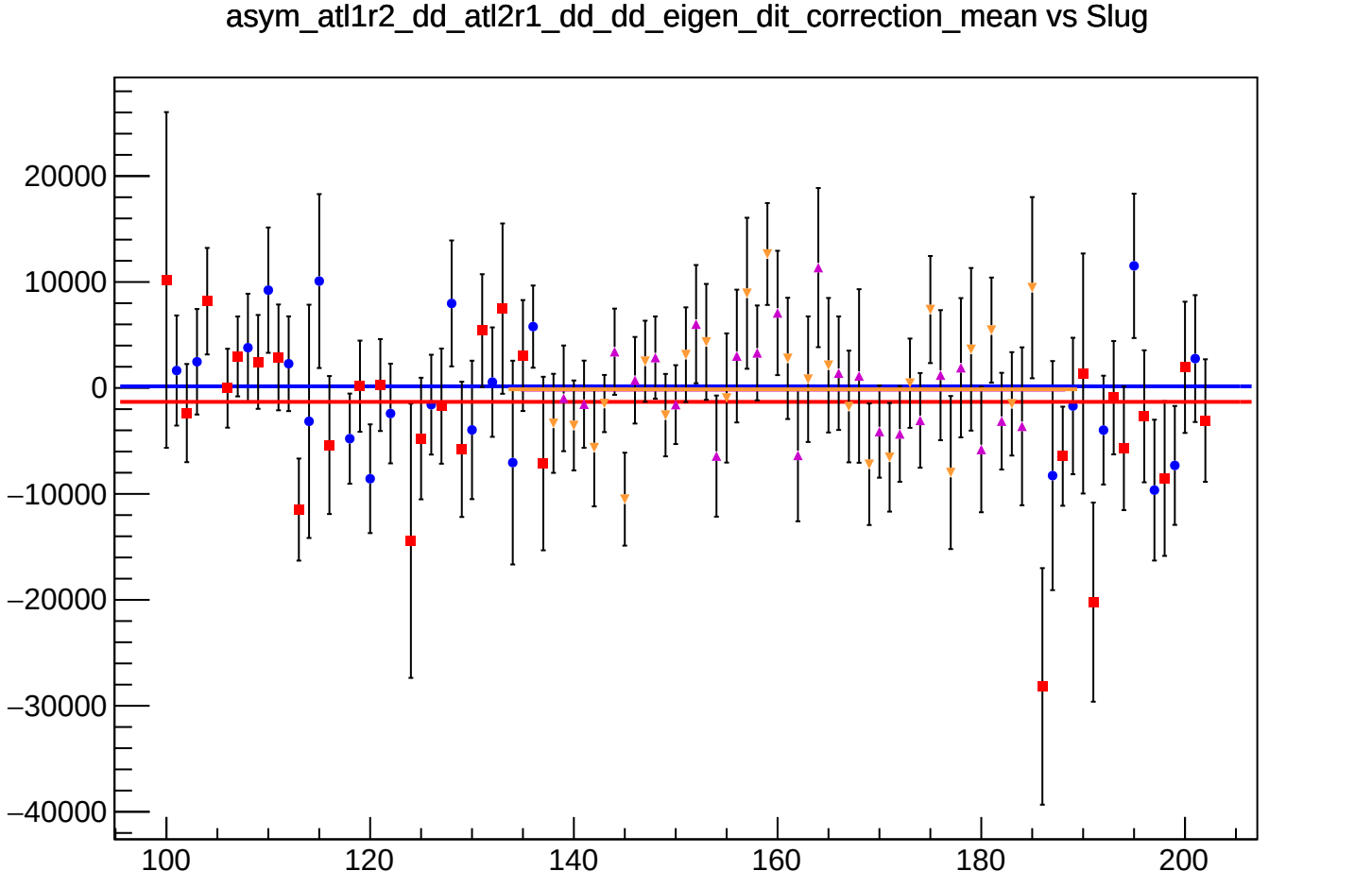
Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.6/28

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.656+/-0.164 χ^2/NDF: 747151.1/47

All: 1304.211+/-0.116 χ^2/NDF: 1158035.9/99

- sign 1311.708+/-0.163 χ^2/NDF: 406647.2/51



Right In: 153.858+/-1160.926 χ^2/NDF: 22.7/22

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

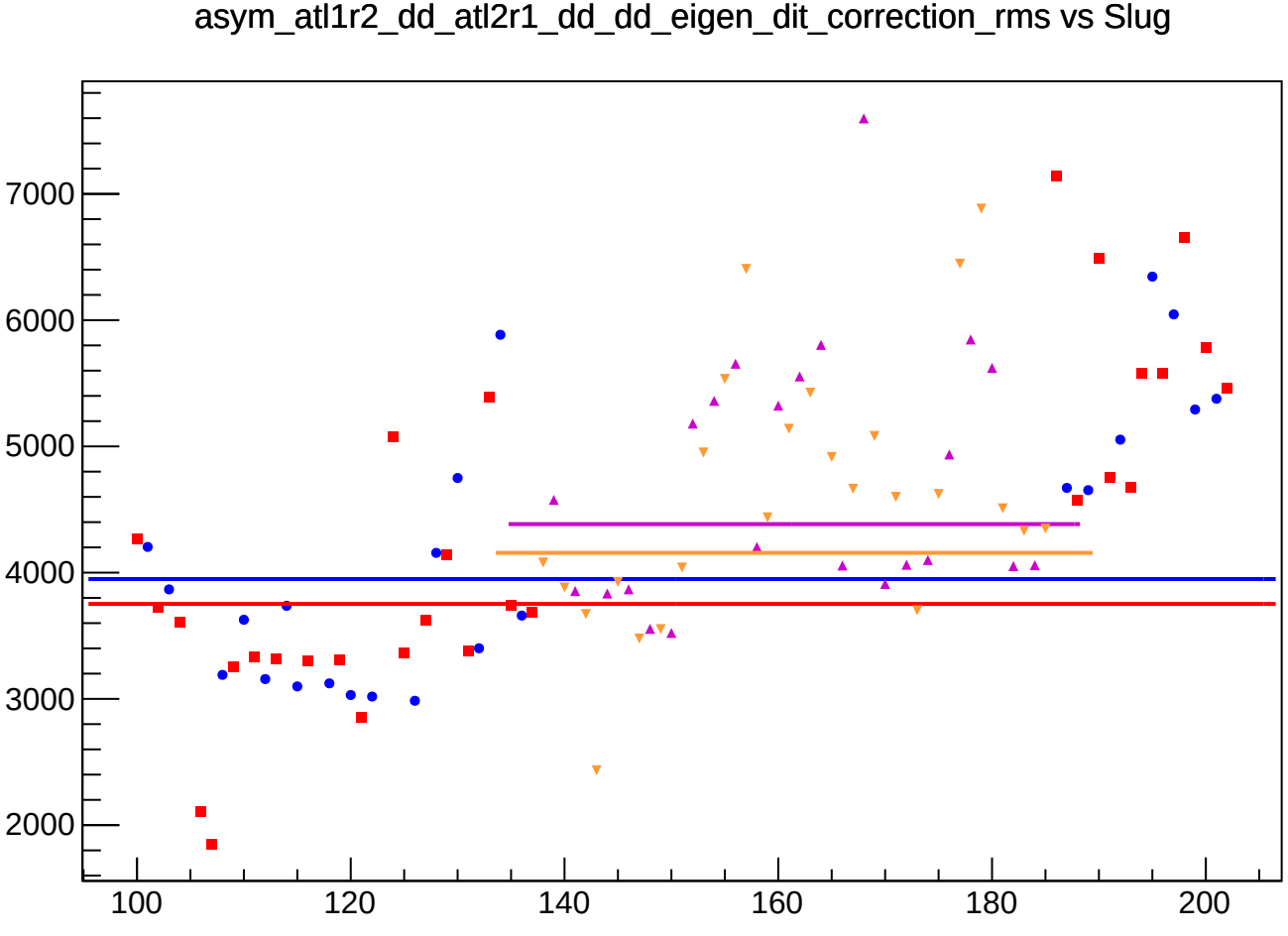
Right Out: -1312.187+/-1035.745 χ^2/NDF: 31.0/28

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -10.682+/-747.619 χ^2/NDF: 51.3/47

All: -381.771+/-524.422 χ^2/NDF: 97.2/99

- sign -741.229+/-735.811 χ^2/NDF: 45.4/51



Right In: 3949.266+/-0.821 χ^2/NDF: 1389439.6/22

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3752.145+/-0.732 χ^2/NDF: 2726354.9/28

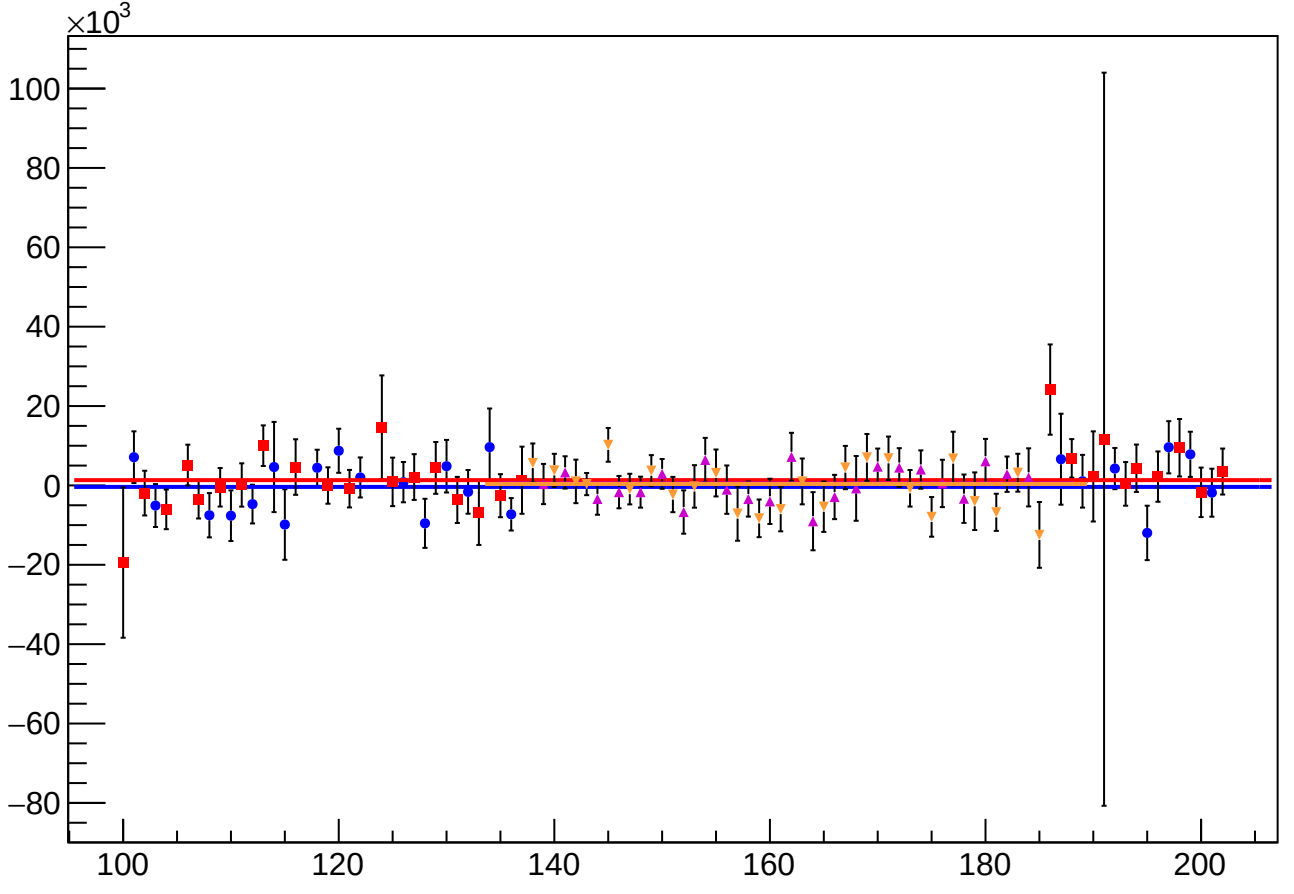
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4070.608+/-0.529 χ^2/NDF: 3507540.2/47

All: 4067.897+/-0.371 χ^2/NDF: 7858473.2/99

- sign 4065.271+/-0.520 χ^2/NDF: 4350881.2/51

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -376.540+/-1232.959 χ^2/NDF: 26.5/22

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1332.758+/-1133.113 χ^2/NDF: 19.6/28

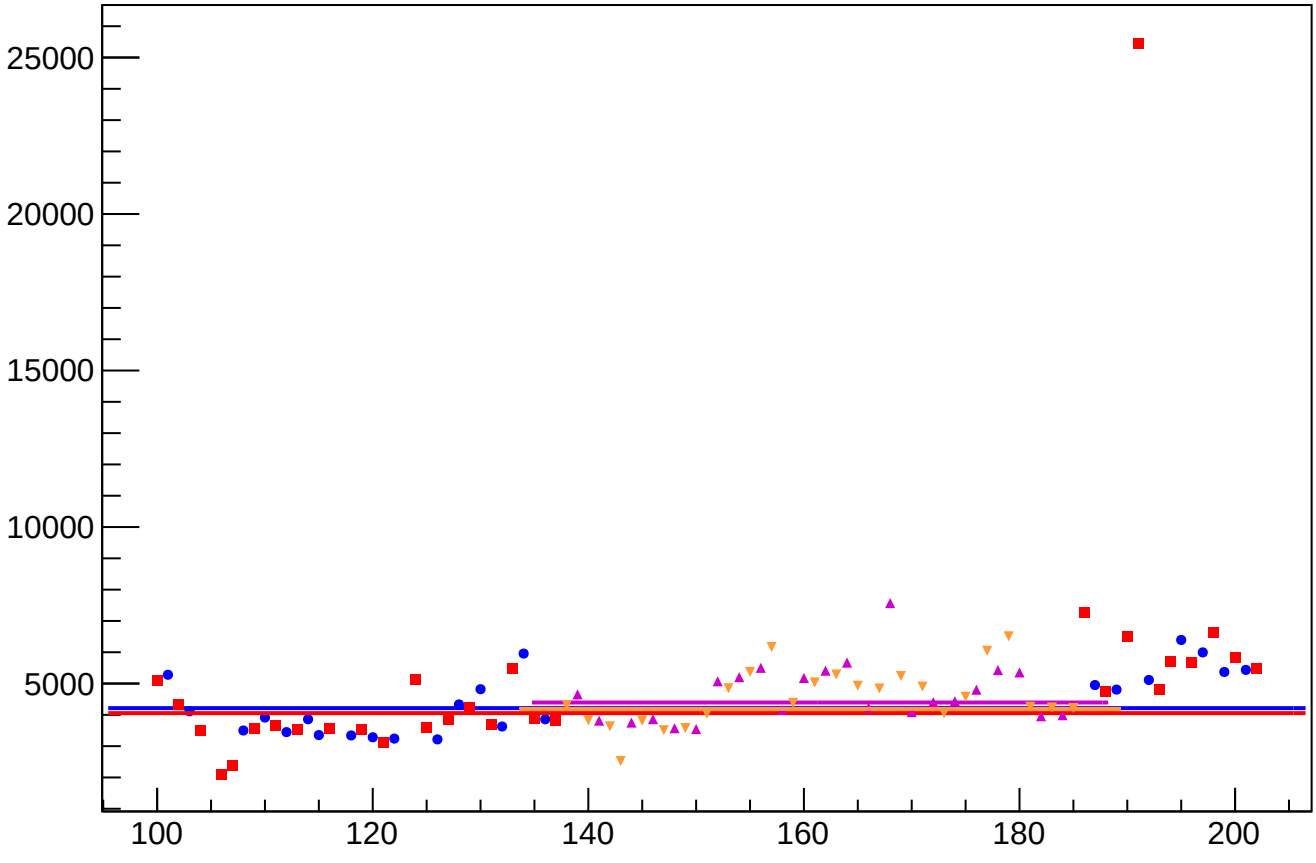
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 76.436+/-767.113 χ^2/NDF: 54.4/47

All: 478.360+/-542.770 χ^2/NDF: 88.8/99

- sign 881.291+/-768.074 χ^2/NDF: 33.8/51

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4214.051+/-0.872 χ^2/NDF: 1158776.2/22

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

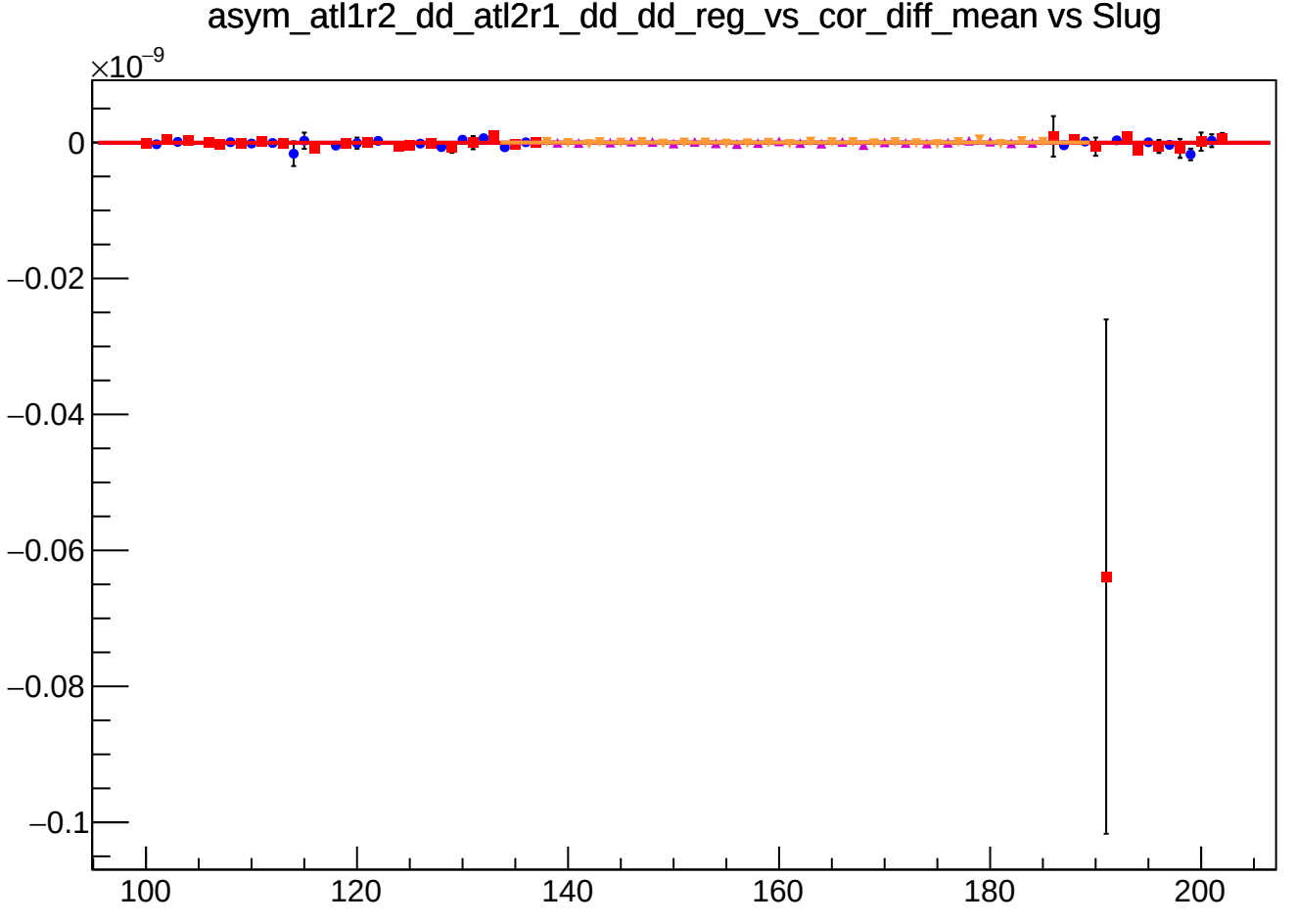
Right Out: 4054.998+/-0.793 χ^2/NDF: 2216998.1/28

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4197.991+/-0.542 χ^2/NDF: 2955675.7/47

All: 4217.430+/-0.383 χ^2/NDF: 6361615.7/99

- sign 4236.741+/-0.541 χ^2/NDF: 3403379.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

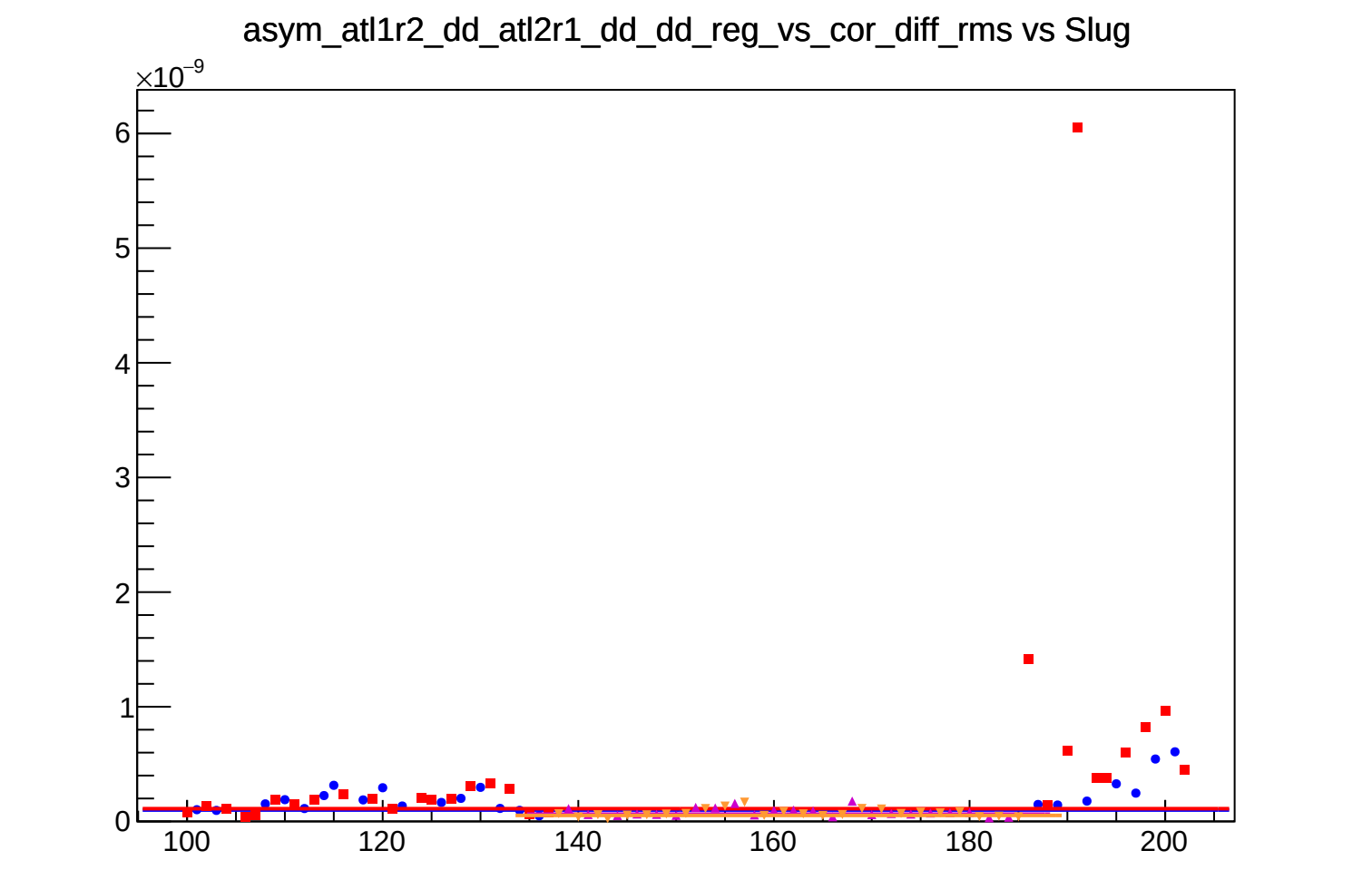
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/28

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/47

All: -0.000+/-0.000 χ^2/NDF: 97.9/99

- sign -0.000+/-0.000 χ^2/NDF: 44.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 3093650.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

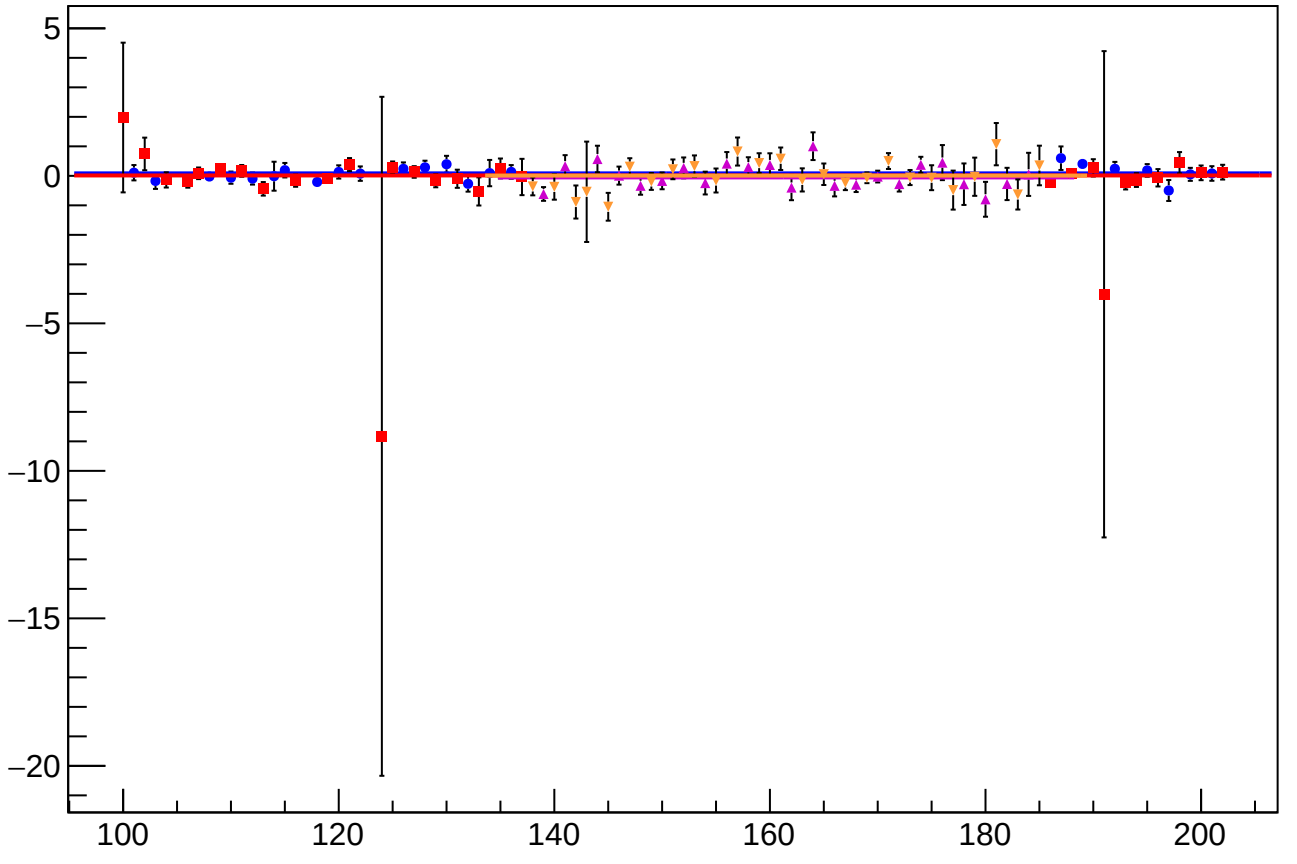
Right Out: 0.000+/-0.000 χ^2/NDF: 5500273.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6907725.5/47

All: 0.000+/-0.000 χ^2/NDF: 15508122.6/99

- sign 0.000+/-0.000 χ^2/NDF: 8314583.5/51



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

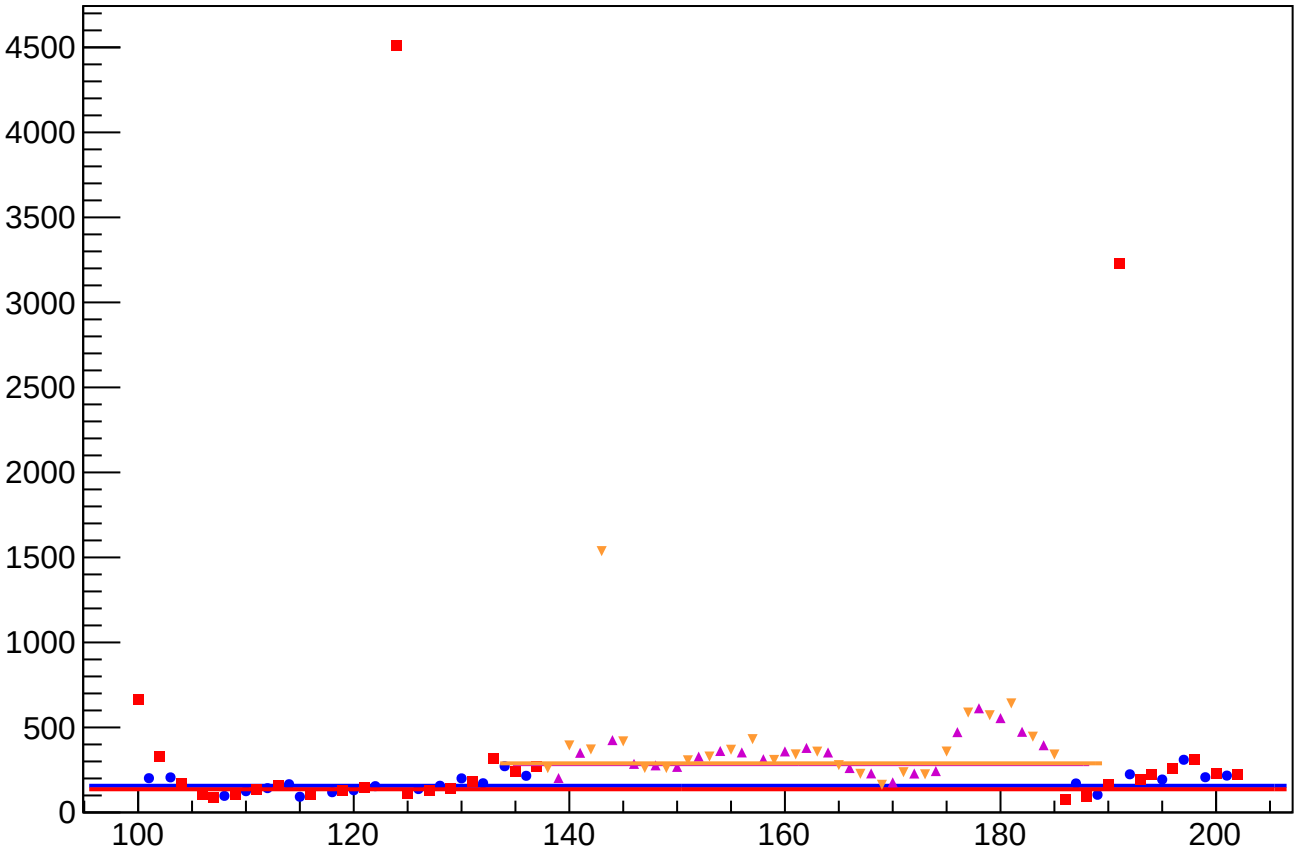
Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

- sign -0.003+/-0.035 χ^2/NDF: 57.8/51



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

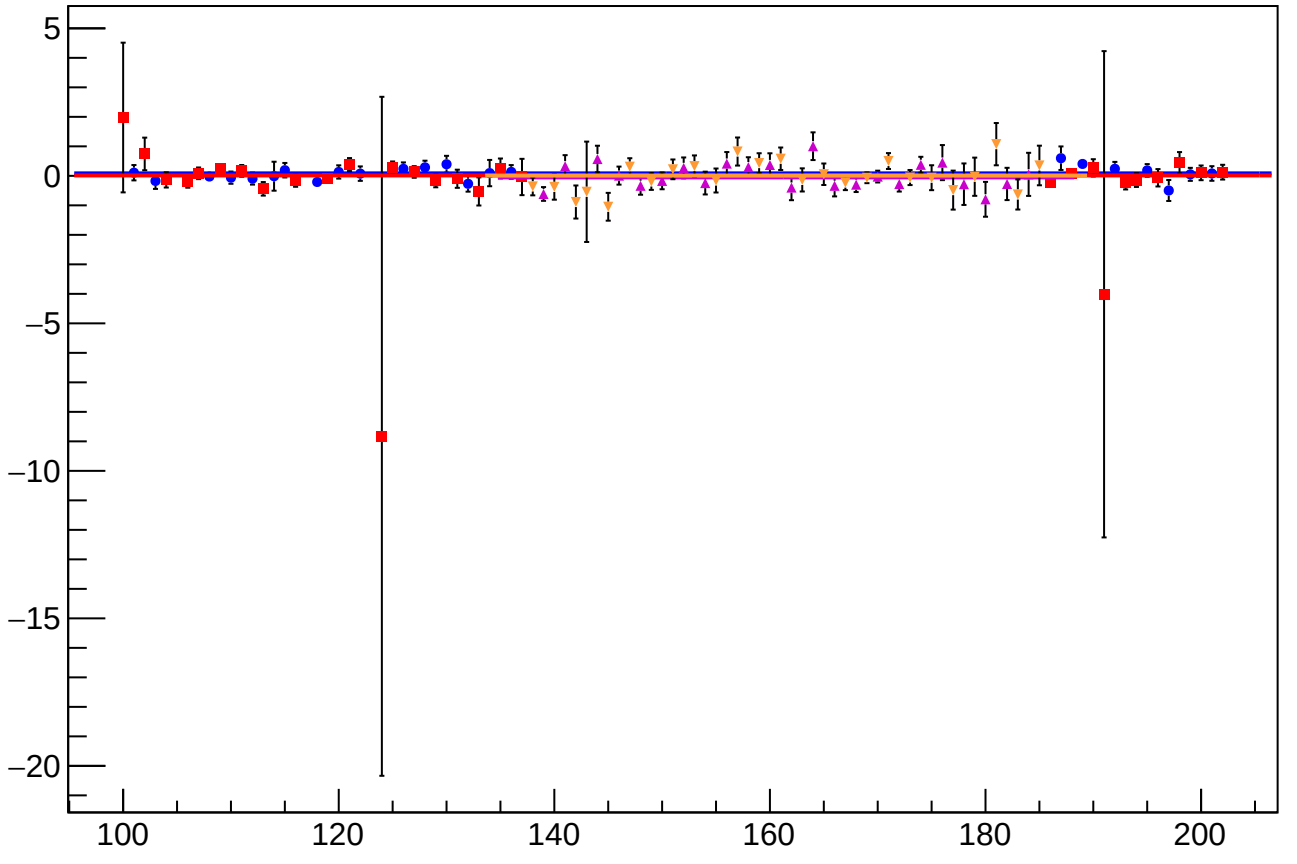
Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.268+/-0.028 χ^2/NDF: 11517156.9/47

All: 184.470+/-0.019 χ^2/NDF: 26152581.6/99

- sign 173.560+/-0.025 χ^2/NDF: 14203678.8/51



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

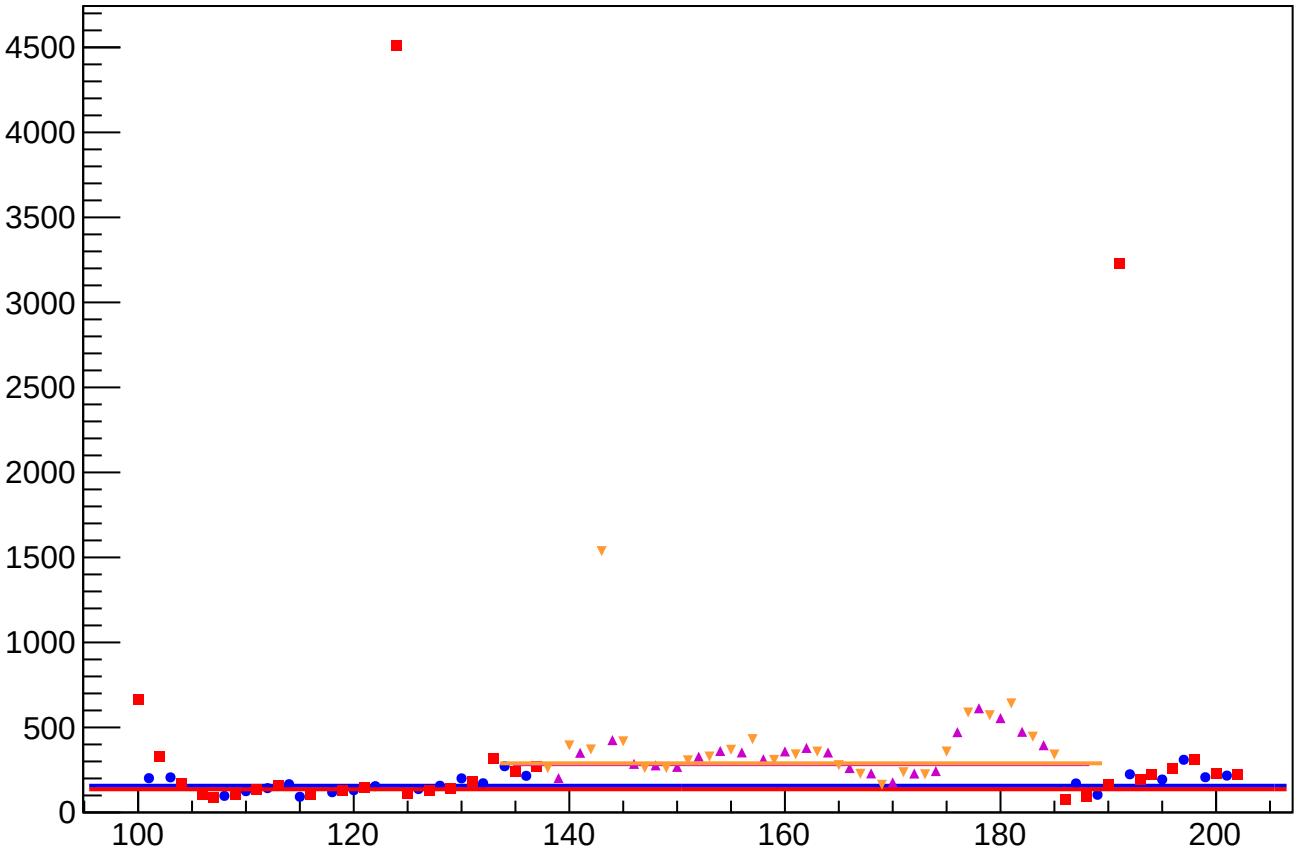
Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

- sign -0.003+/-0.035 χ^2/NDF: 57.8/51



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

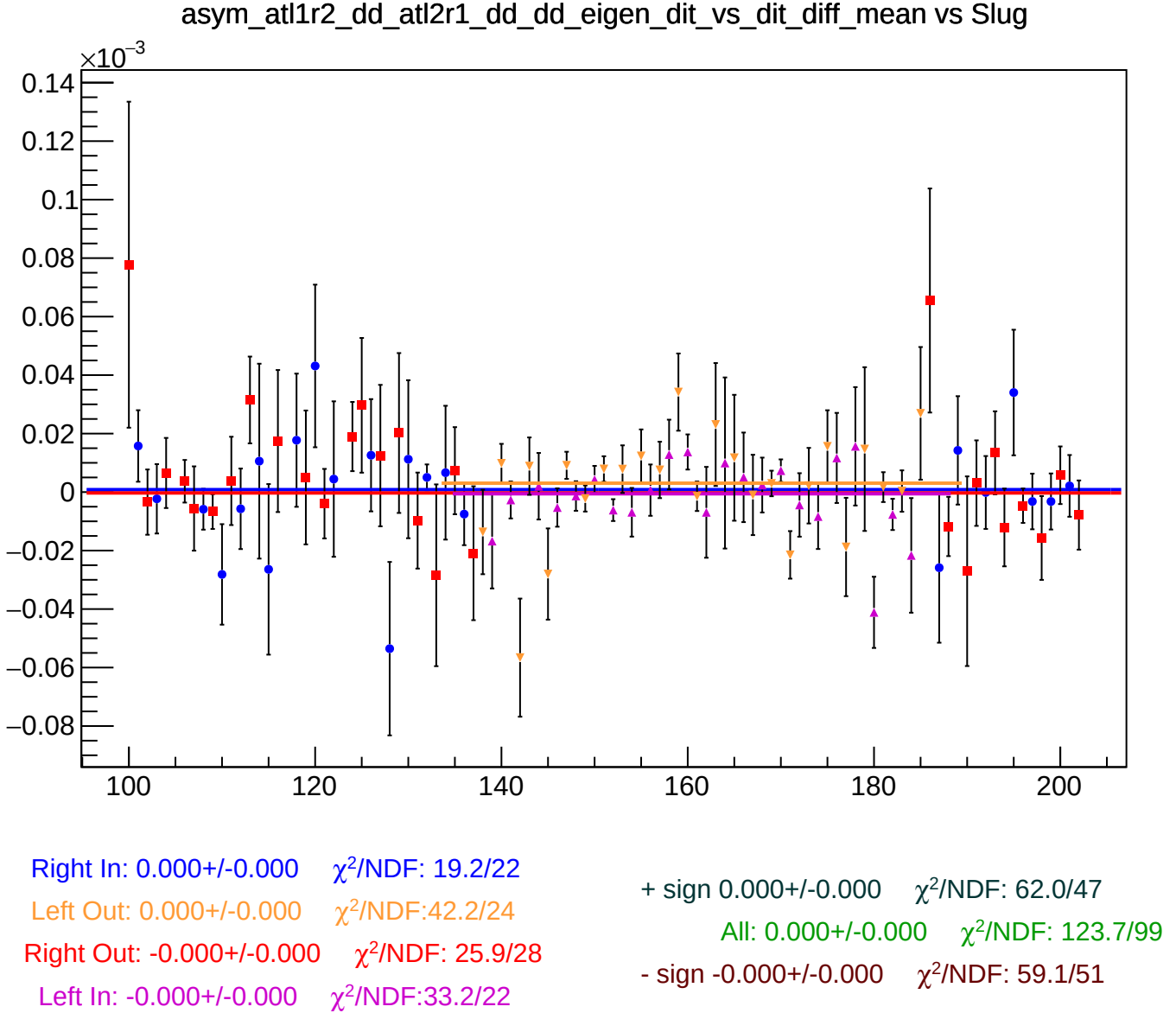
Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

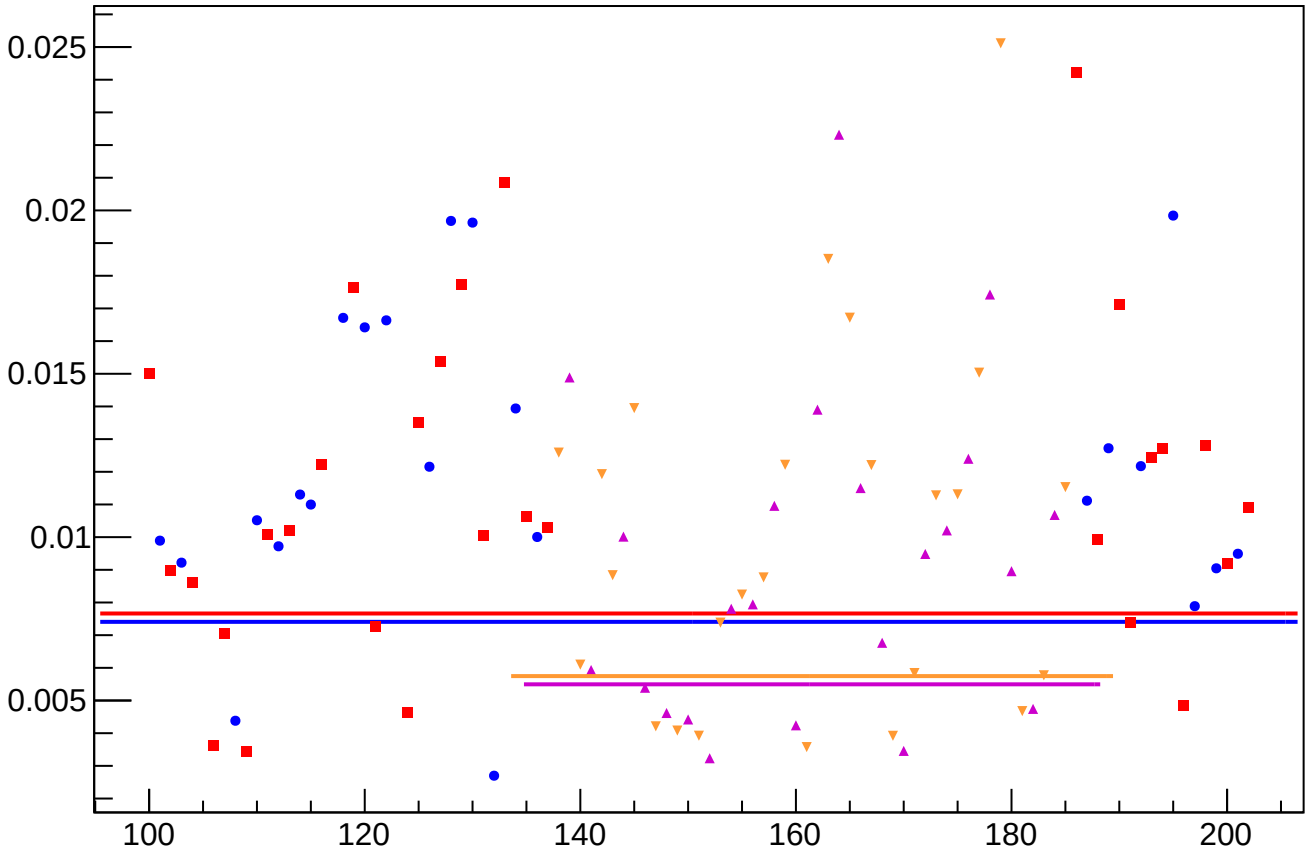
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.268+/-0.028 χ^2/NDF: 11517156.9/47

All: 184.470+/-0.019 χ^2/NDF: 26152581.6/99

- sign 173.560+/-0.025 χ^2/NDF: 14203678.8/51


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.2/22
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.9/28
Left In: -0.000+/-0.000 χ²/NDF:33.2/22
+ sign 0.000+/-0.000 χ²/NDF: 62.0/47
All: 0.000+/-0.000 χ²/NDF: 123.7/99
- sign -0.000+/-0.000 χ²/NDF: 59.1/51



Right In: 0.007+/-0.000 χ^2/NDF: 6200078.3/22

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

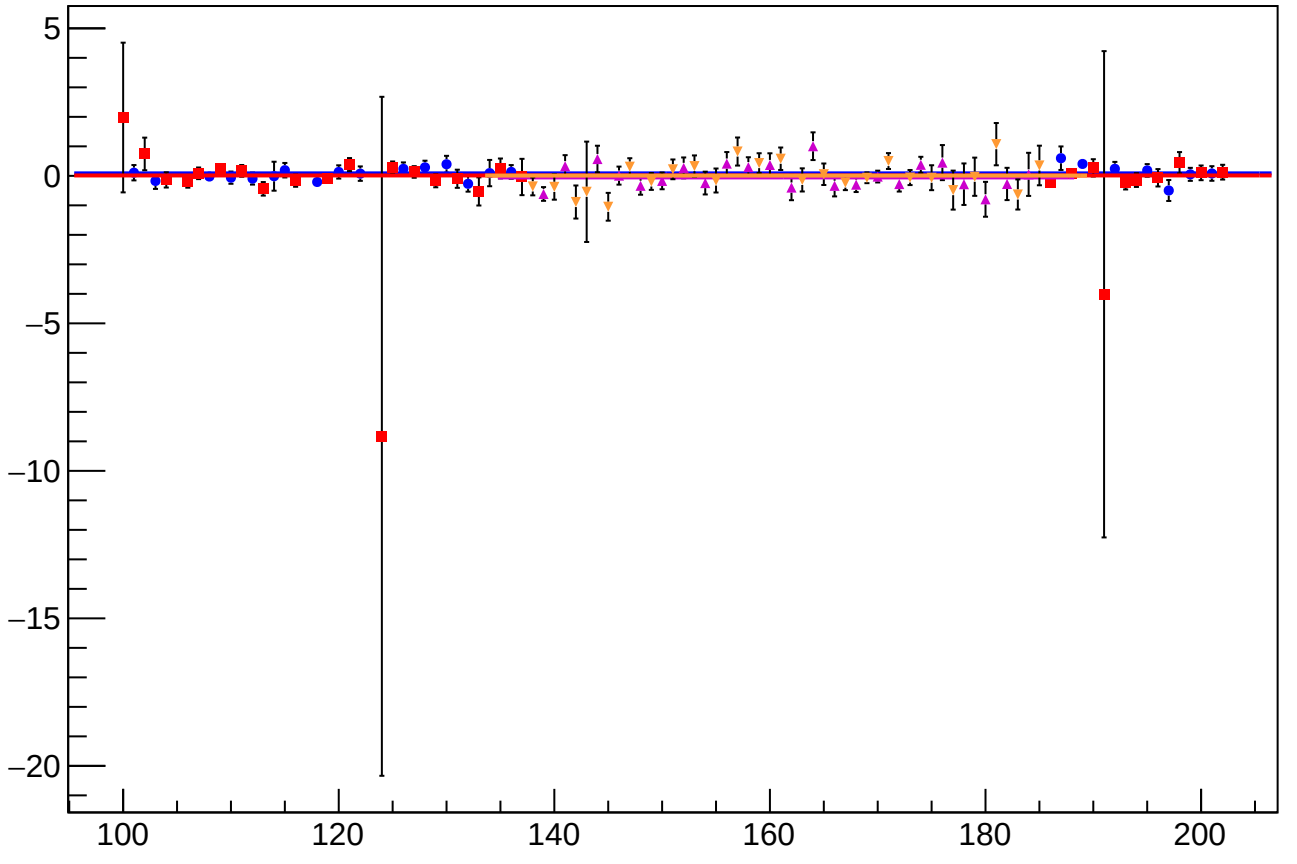
Right Out: 0.008+/-0.000 χ^2/NDF: 5592055.6/28

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 14974230.6/47

All: 0.006+/-0.000 χ^2/NDF: 28738747.4/99

- sign 0.006+/-0.000 χ^2/NDF: 13763127.8/51



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

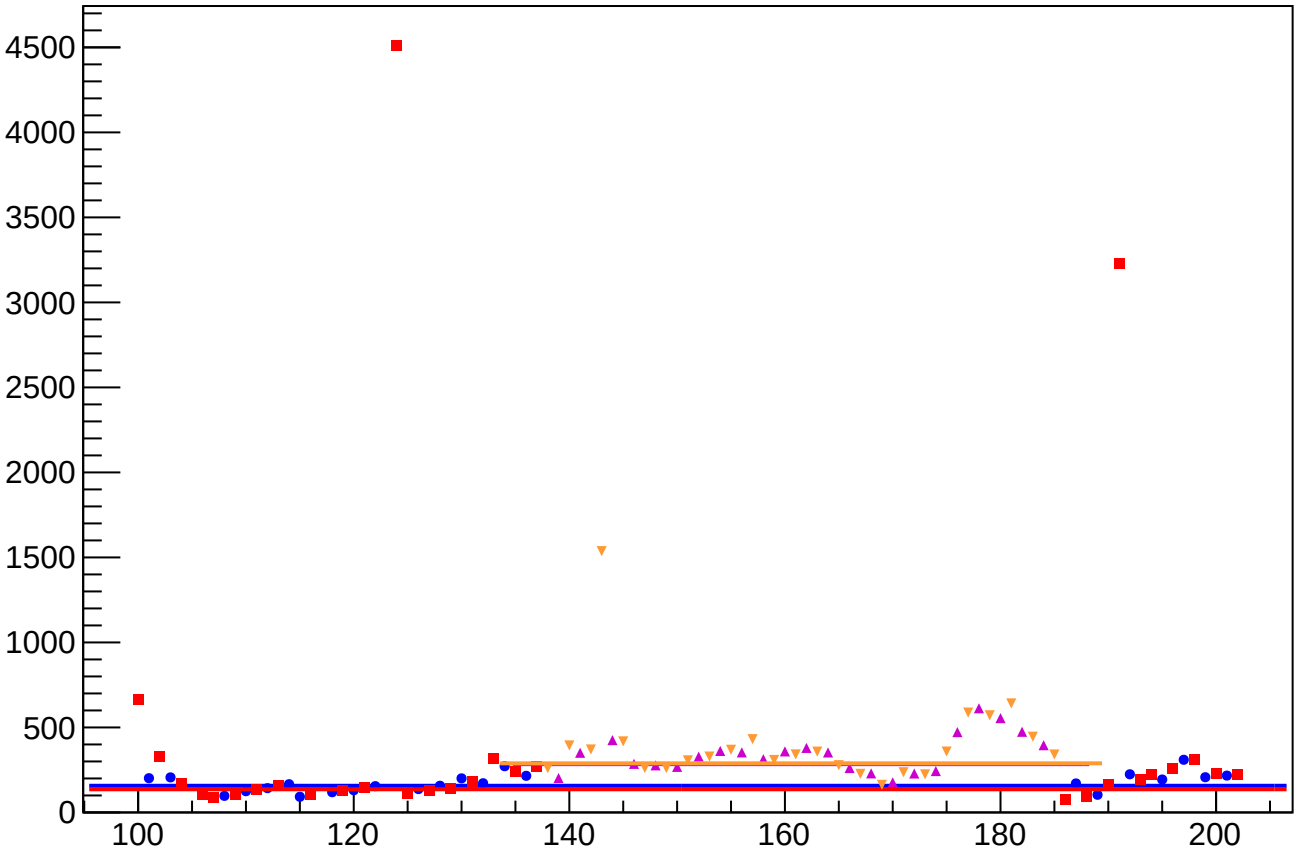
Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

- sign -0.003+/-0.035 χ^2/NDF: 57.8/51



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

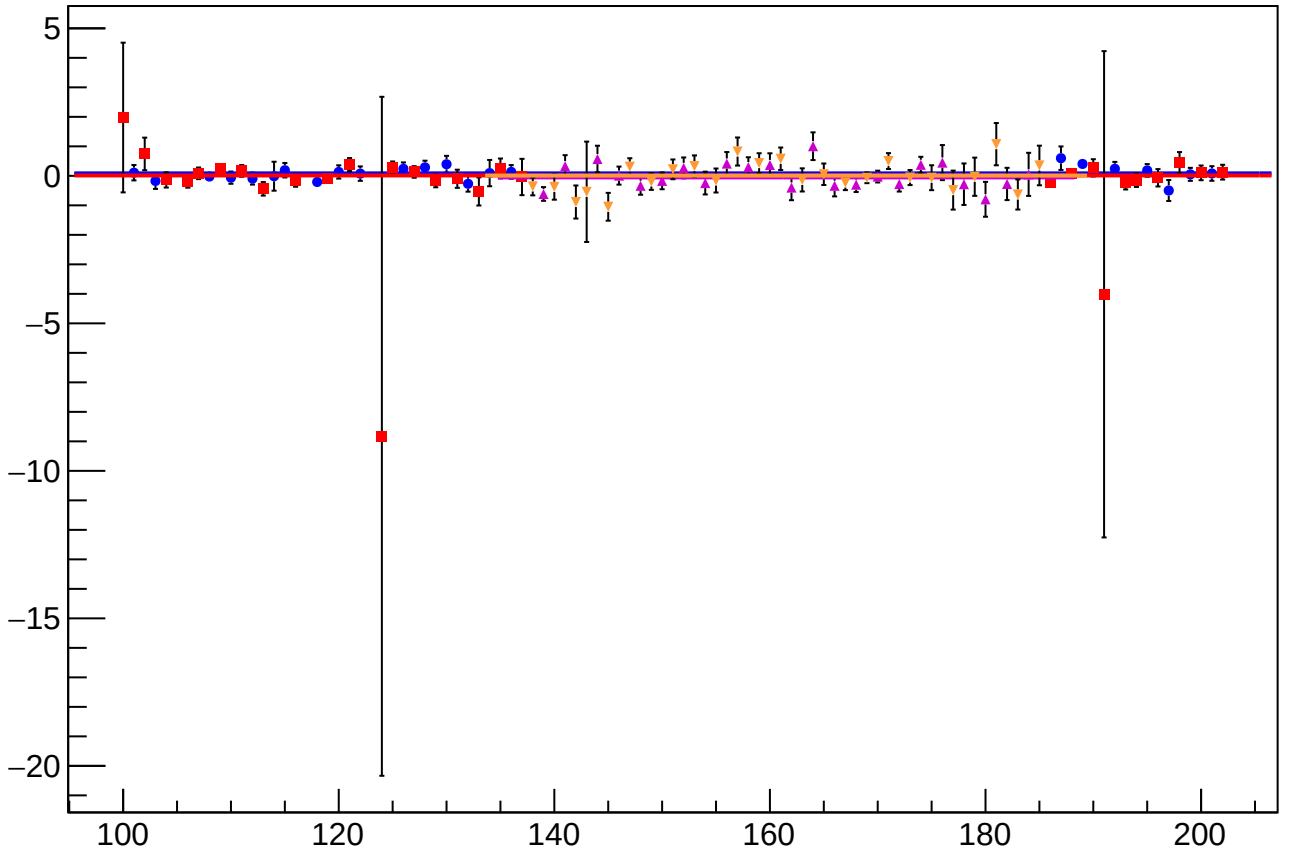
Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.267+/-0.028 χ^2/NDF: 11517375.6/47

All: 184.471+/-0.019 χ^2/NDF: 26152516.6/99

- sign 173.562+/-0.025 χ^2/NDF: 14203485.0/51



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

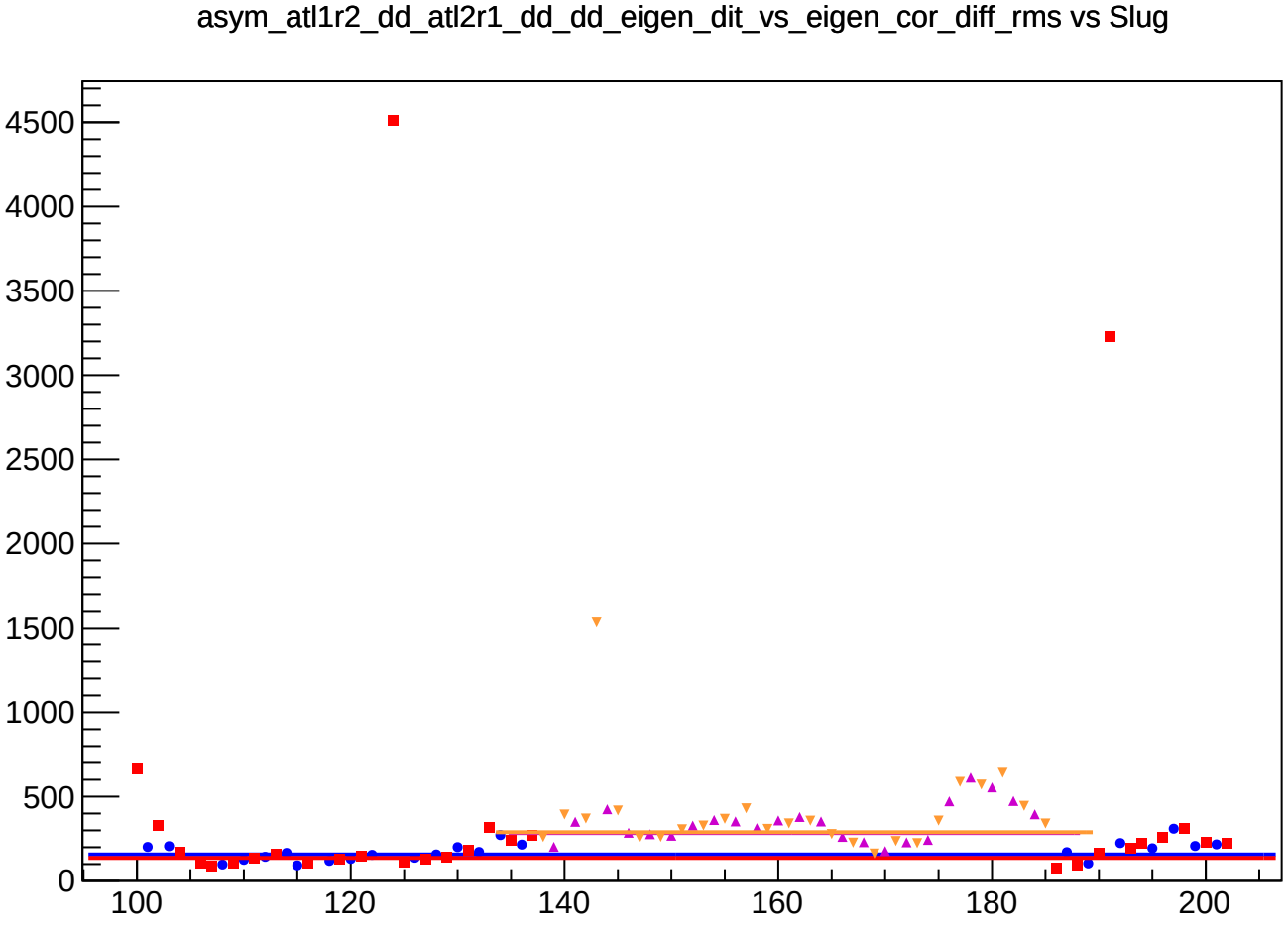
Right Out: 0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.025+/-0.026 χ^2/NDF: 108.7/99

- sign -0.003+/-0.035 χ^2/NDF: 57.8/51



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

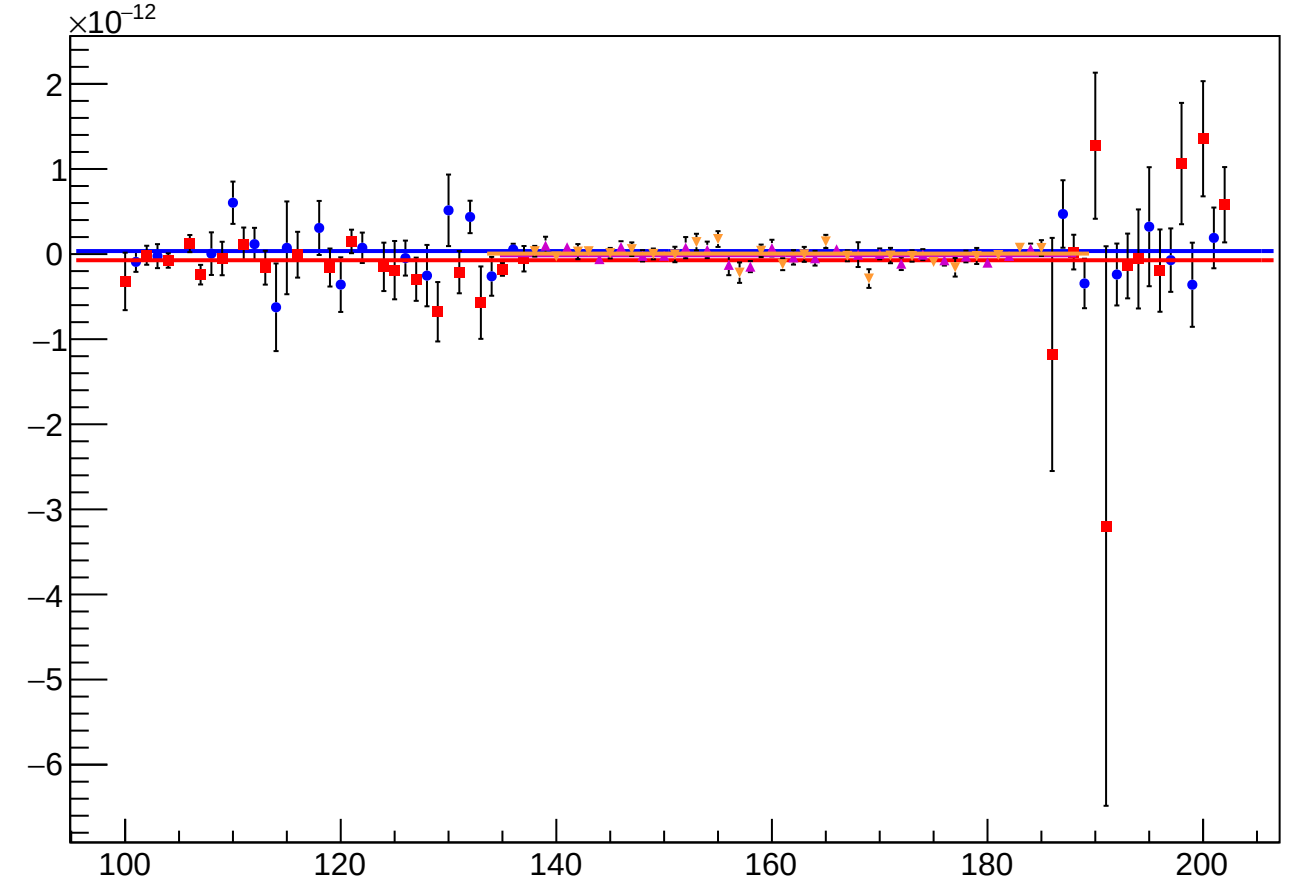
Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.267+/-0.028 χ^2/NDF: 11517375.6/47

All: 184.471+/-0.019 χ^2/NDF: 26152516.6/99

- sign 173.562+/-0.025 χ^2/NDF: 14203485.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

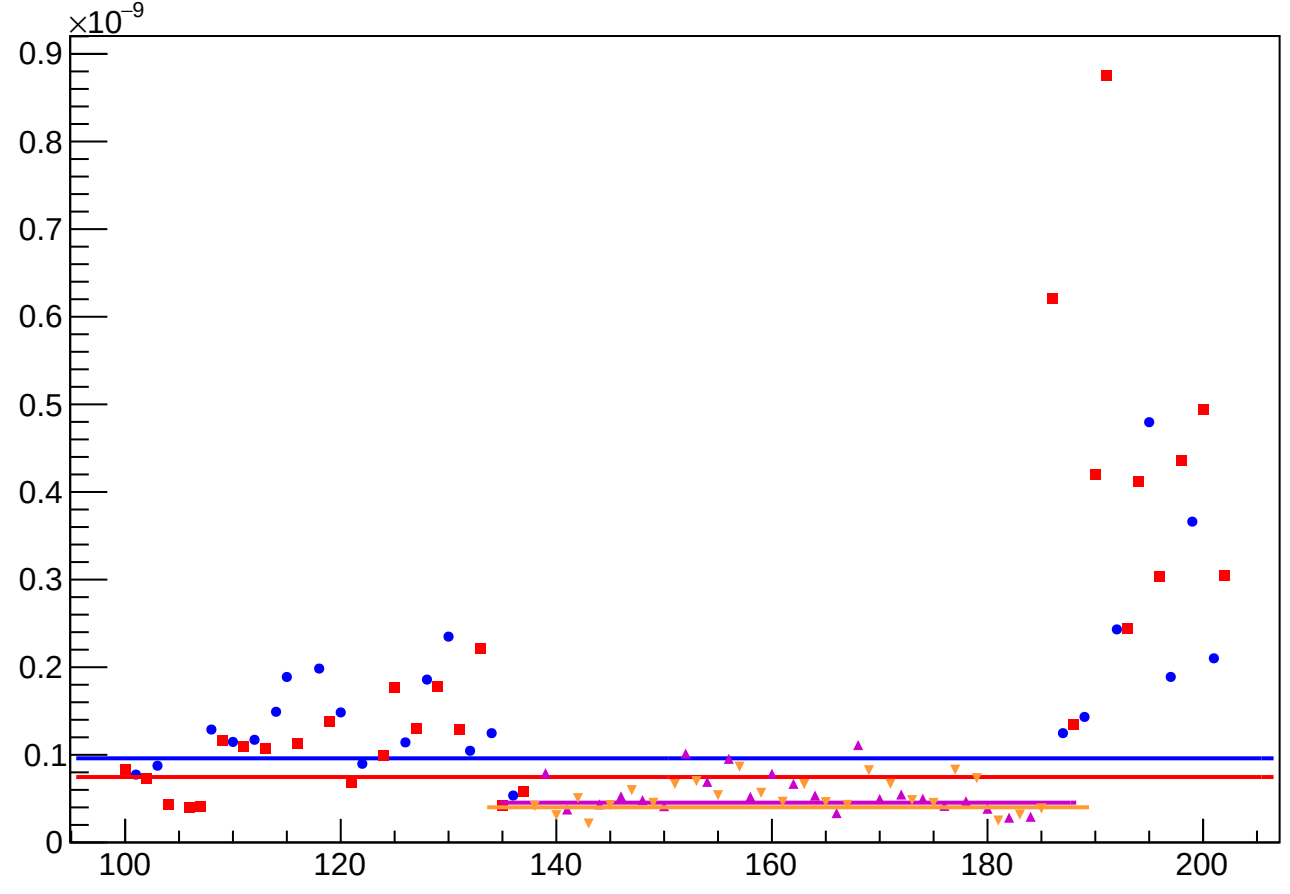
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/28

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.2/47

All: -0.000+/-0.000 χ^2/NDF: 119.1/99

- sign -0.000+/-0.000 χ^2/NDF: 57.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 3586986.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6578873.6/28

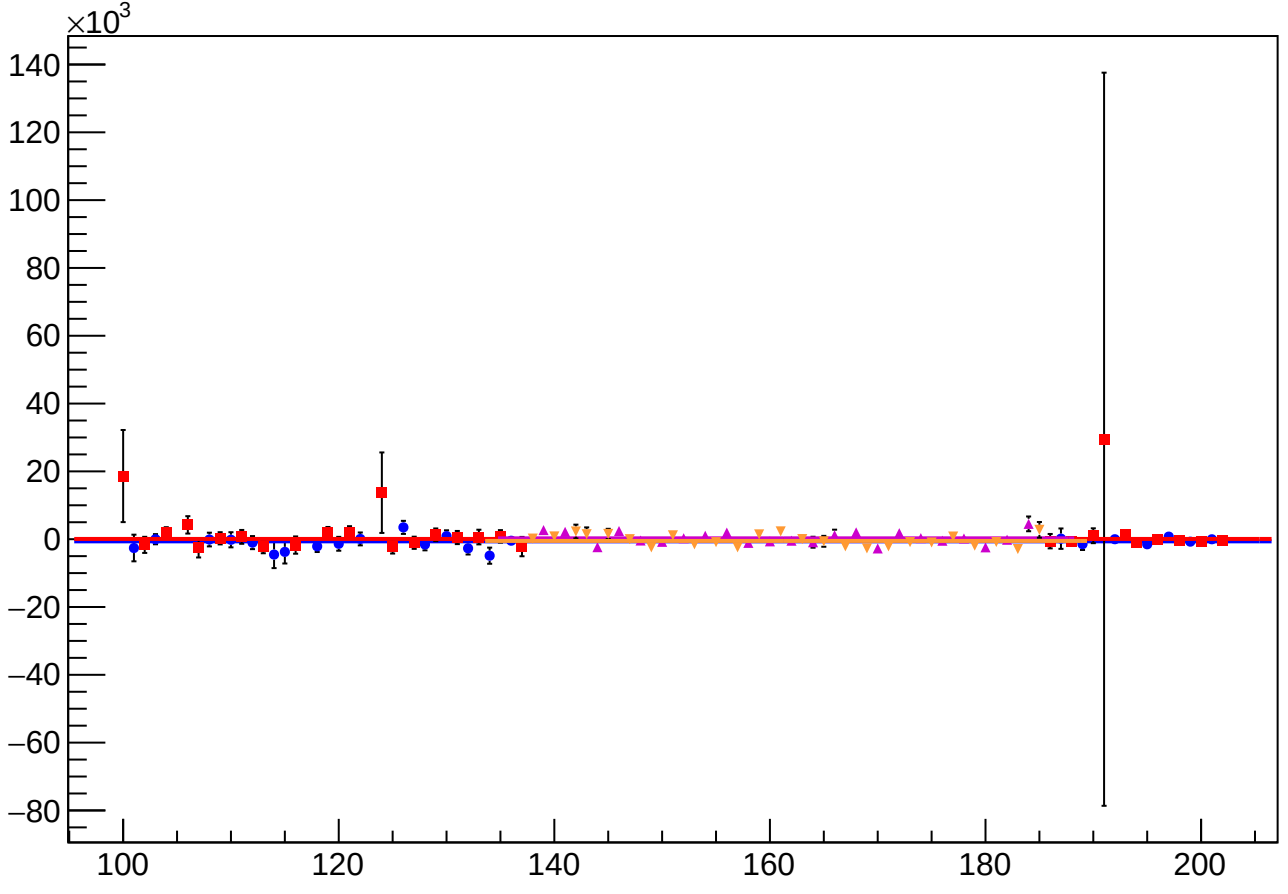
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10608960.1/47

All: 0.000+/-0.000 χ^2/NDF: 21453990.6/99

- sign 0.000+/-0.000 χ^2/NDF: 10681740.1/51

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -636.481+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 72.257+/-345.911 χ^2/NDF: 18.6/28

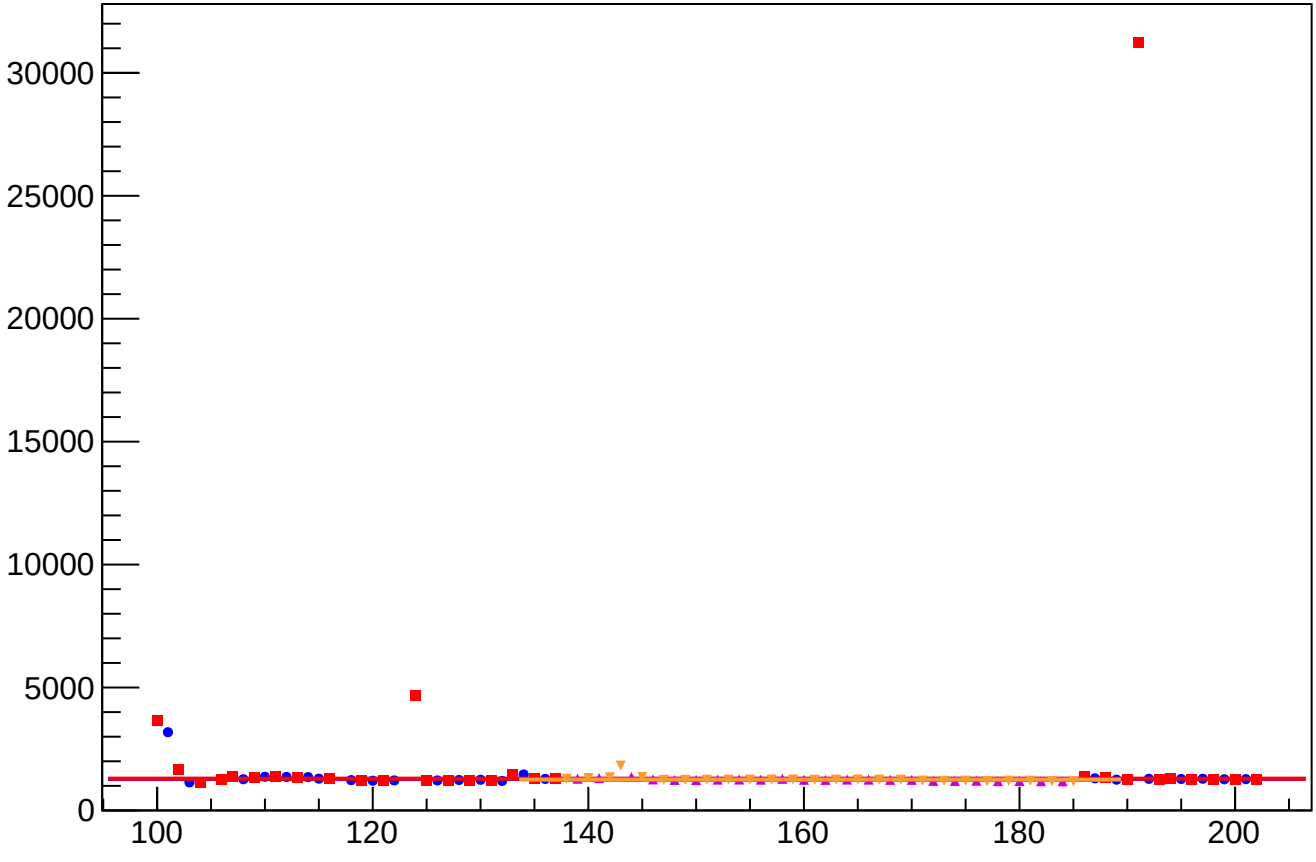
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -560.246+/-226.039 χ^2/NDF: 46.6/47

All: -188.763+/-158.661 χ^2/NDF: 102.7/99

- sign 172.009+/-222.757 χ^2/NDF: 50.8/51

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1282.377+/-0.261 χ^2/NDF: 519381.9/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

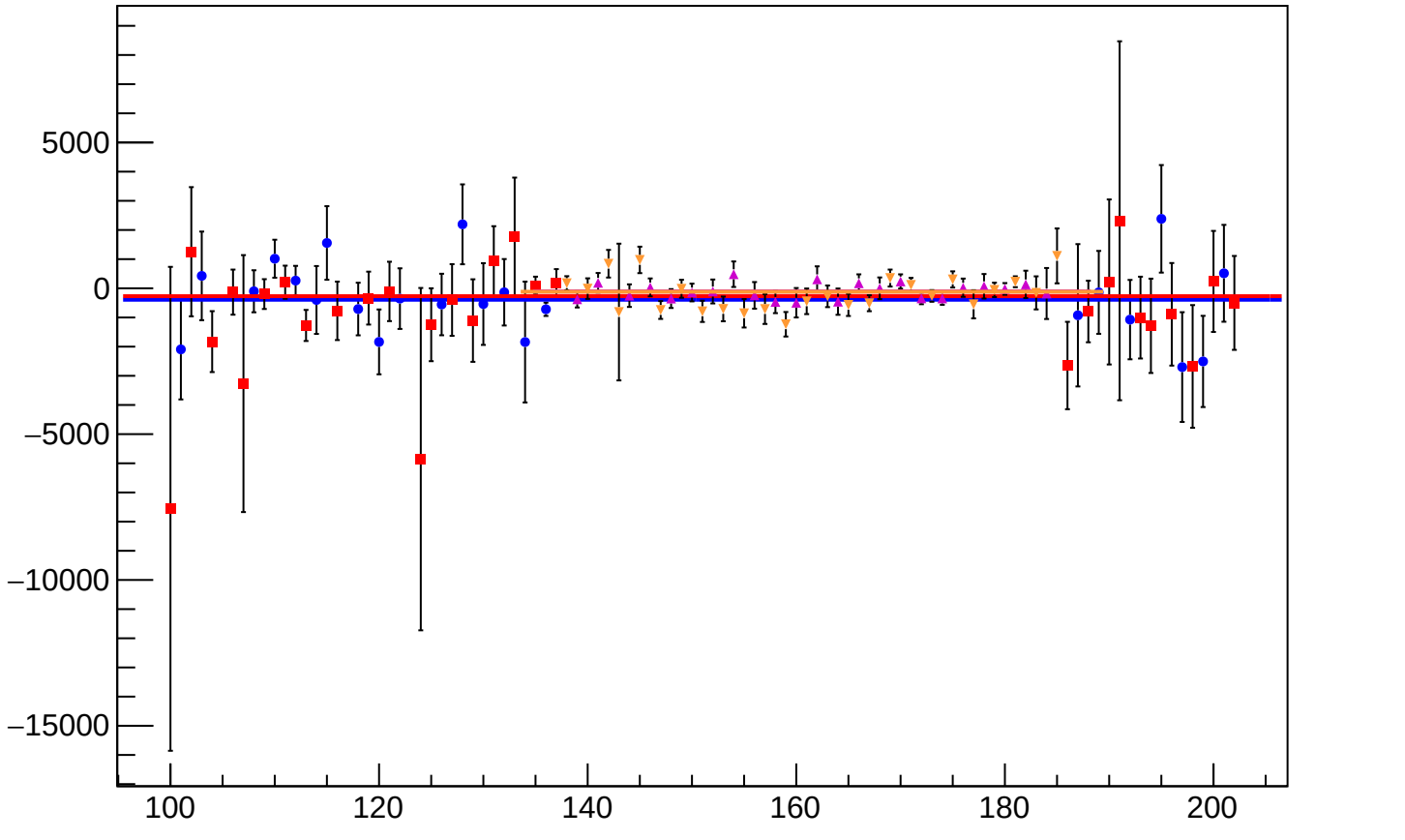
Right Out: 1292.268+/-0.245 χ^2/NDF: 491862.7/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

\+ sign 1265.591+/-0.160 χ^2/NDF: 729127.1/47

All: 1265.491+/-0.112 χ^2/NDF: 1281470.8/99

\- sign 1265.395+/-0.158 χ^2/NDF: 552342.9/51



Right In: -392.238+/-162.445 χ^2/NDF: 24.4/22

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

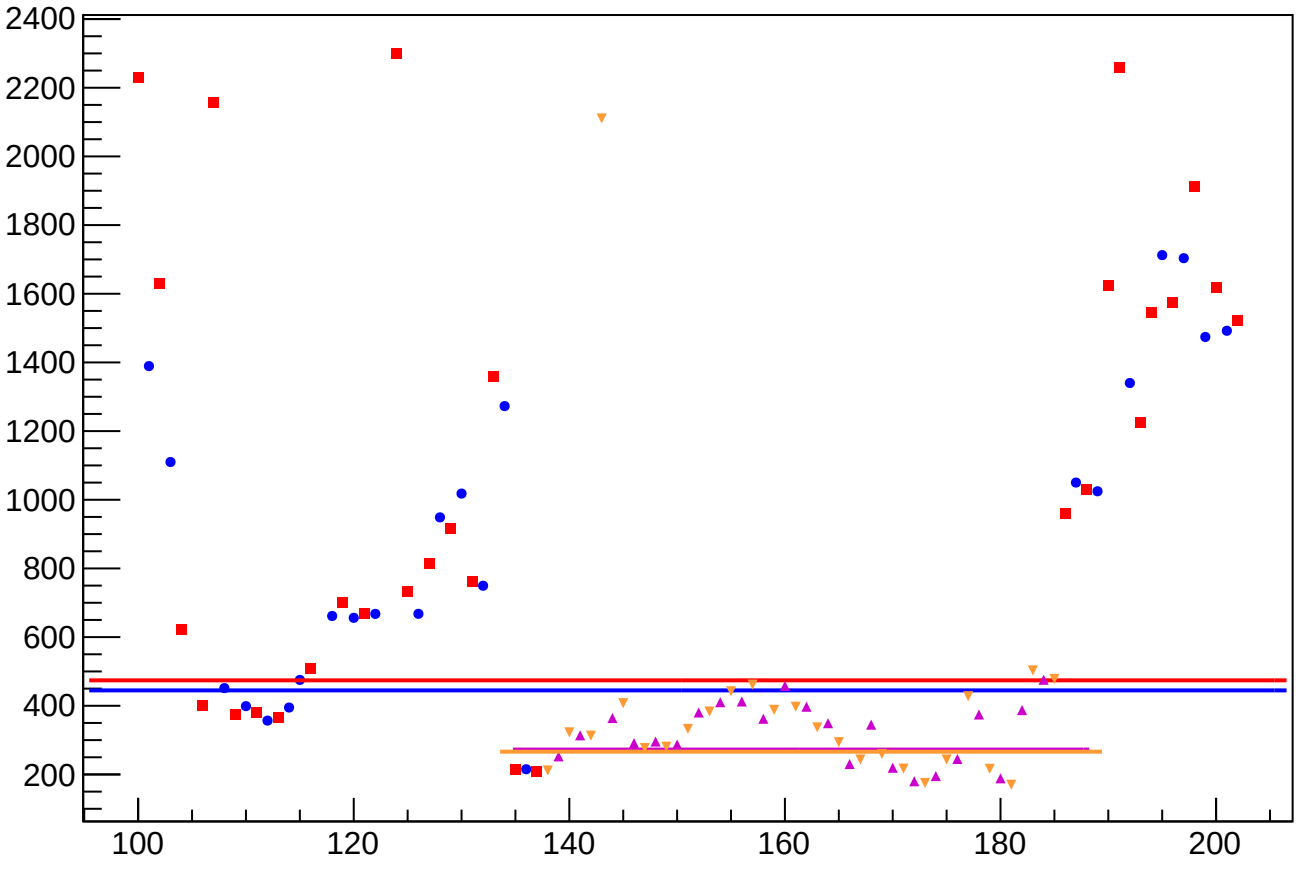
Right Out: -270.303+/-161.310 χ^2/NDF: 20.1/28

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -155.070+/-60.395 χ^2/NDF: 75.3/47

All: -143.482+/-43.220 χ^2/NDF: 110.0/99

- sign -131.319+/-61.876 χ^2/NDF: 34.7/51



Right In: 444.818+/-0.115 χ^2/NDF: 9339710.8/22

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

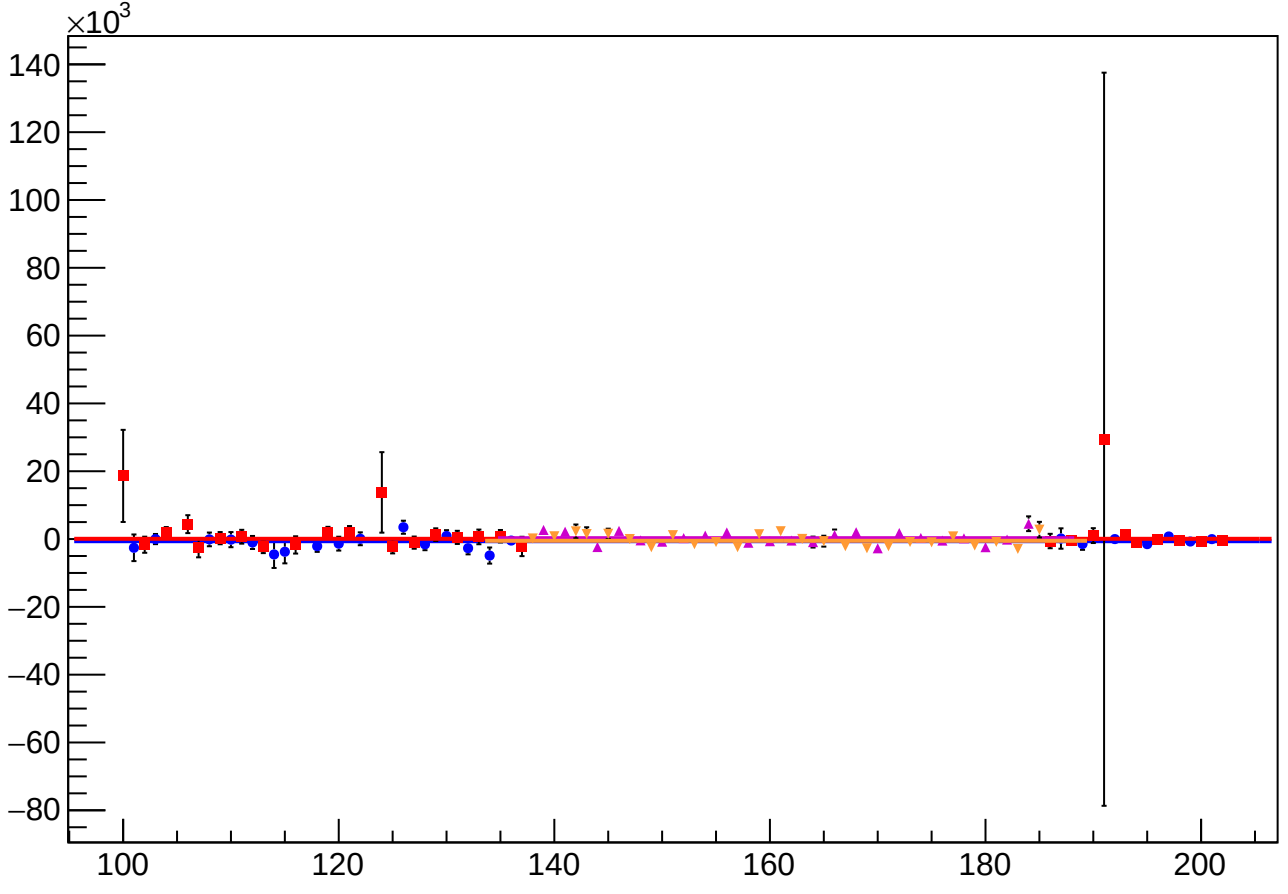
Right Out: 474.093+/-0.114 χ^2/NDF: 10784427.7/28

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 290.994+/-0.043 χ^2/NDF: 16050848.0/47

All: 296.388+/-0.031 χ^2/NDF: 32423303.8/99

- sign 302.049+/-0.044 χ^2/NDF: 16339762.9/51



Right In: -636.294+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 70.608+/-346.100 χ^2/NDF: 18.7/28

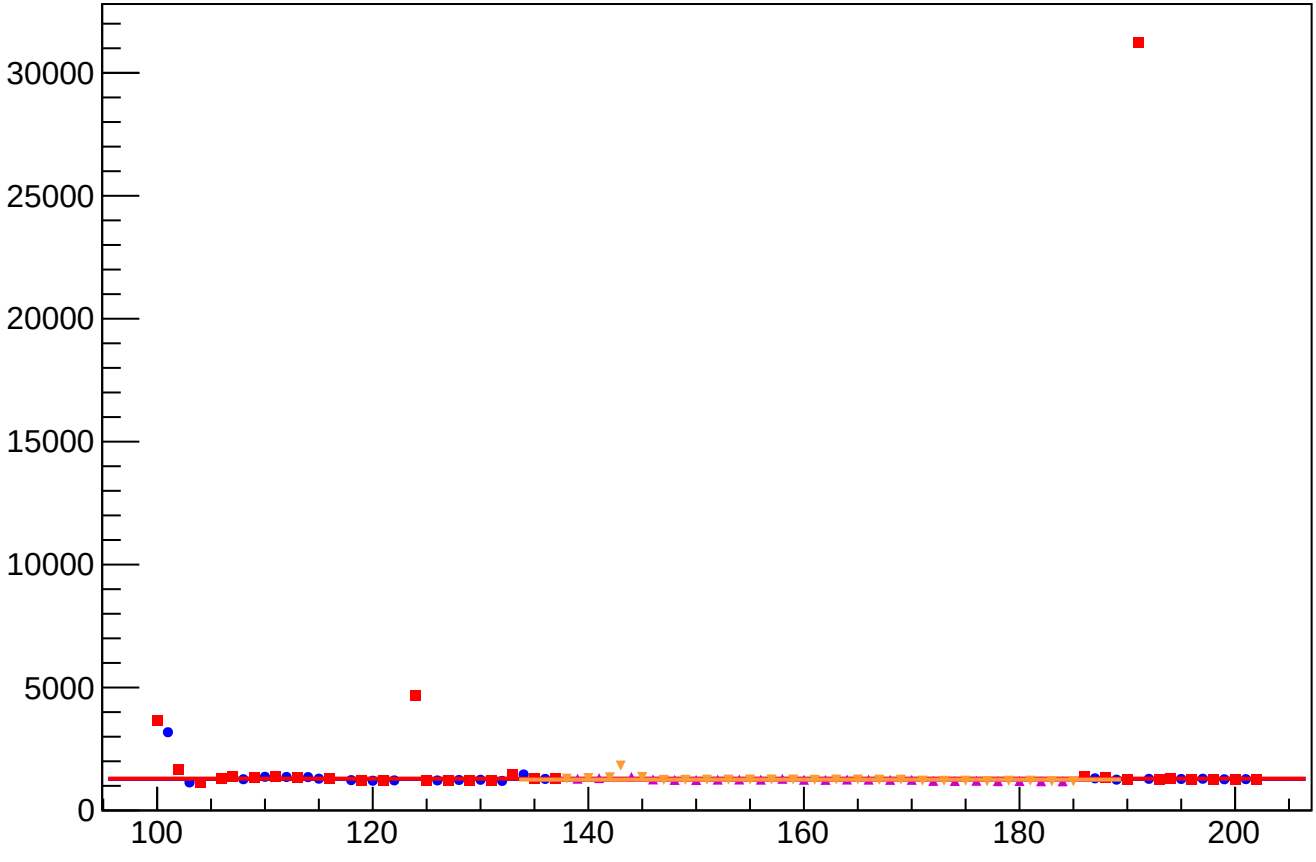
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -560.142+/-226.039 χ^2/NDF: 46.6/47

All: -189.125+/-158.679 χ^2/NDF: 102.8/99

- sign 171.358+/-222.807 χ^2/NDF: 50.9/51

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1282.377+/-0.261 χ^2/NDF: 519383.3/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

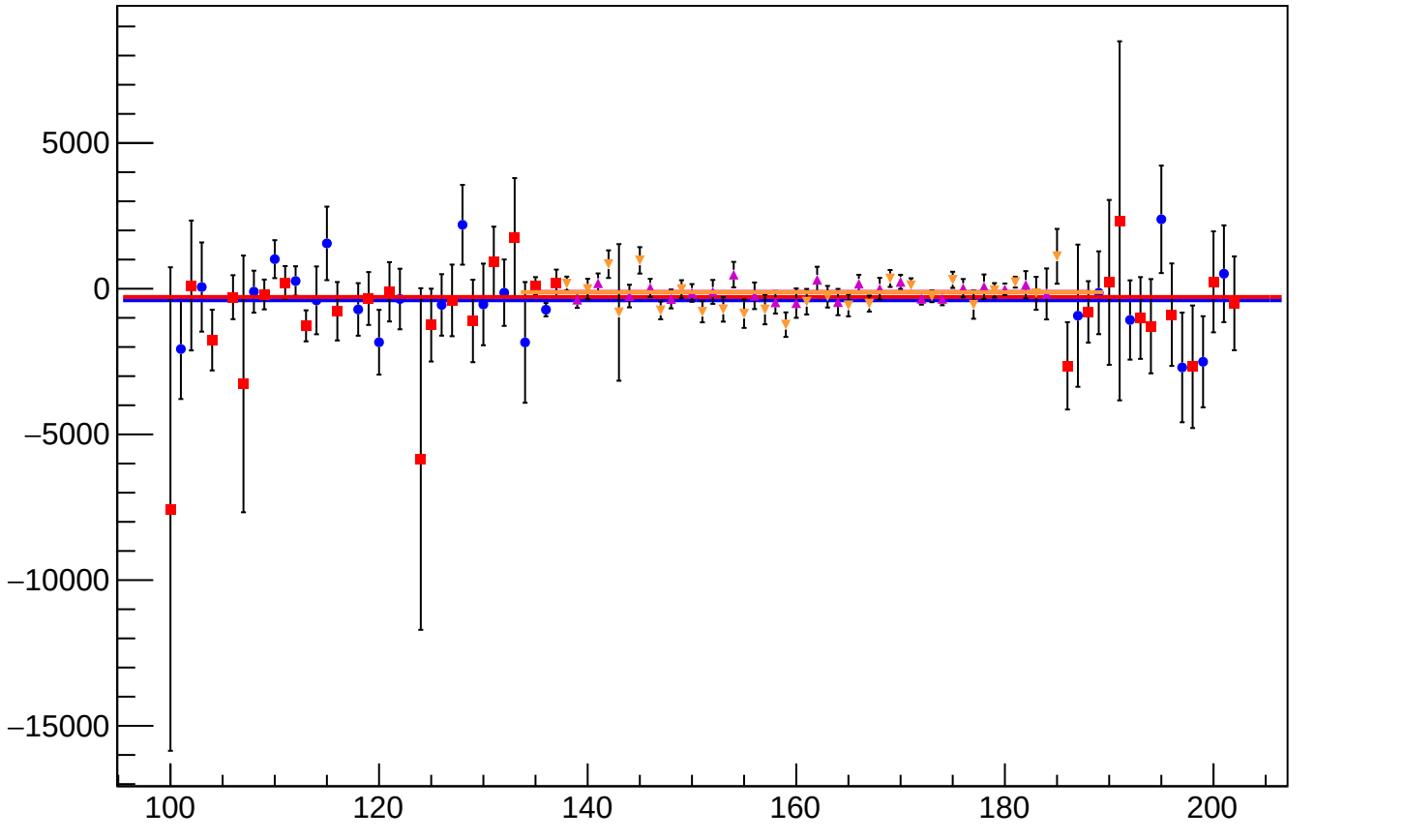
Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.590+/-0.160 χ^2/NDF: 729128.4/47

All: 1265.639+/-0.112 χ^2/NDF: 1281890.3/99

- sign 1265.685+/-0.158 χ^2/NDF: 552761.7/51



Right In: -396.395+/-162.462 χ^2/NDF: 24.2/22

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

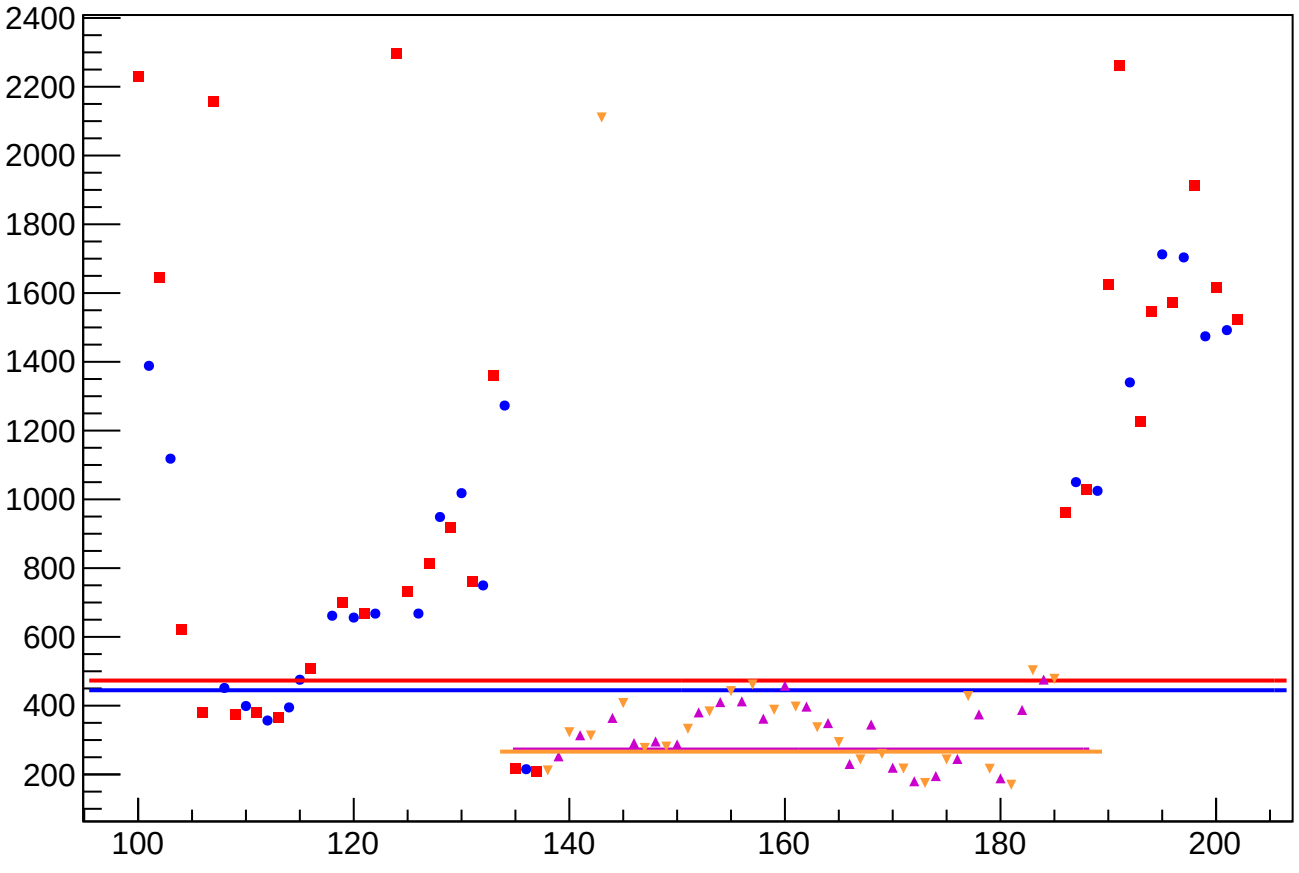
Right Out: -282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -155.616+/-60.397 χ^2/NDF: 75.2/47

All: -144.677+/-43.218 χ^2/NDF: 109.4/99

- sign -133.200+/-61.868 χ^2/NDF: 34.1/51



Right In: 444.824+/-0.115 χ^2/NDF: 9342865.2/22

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

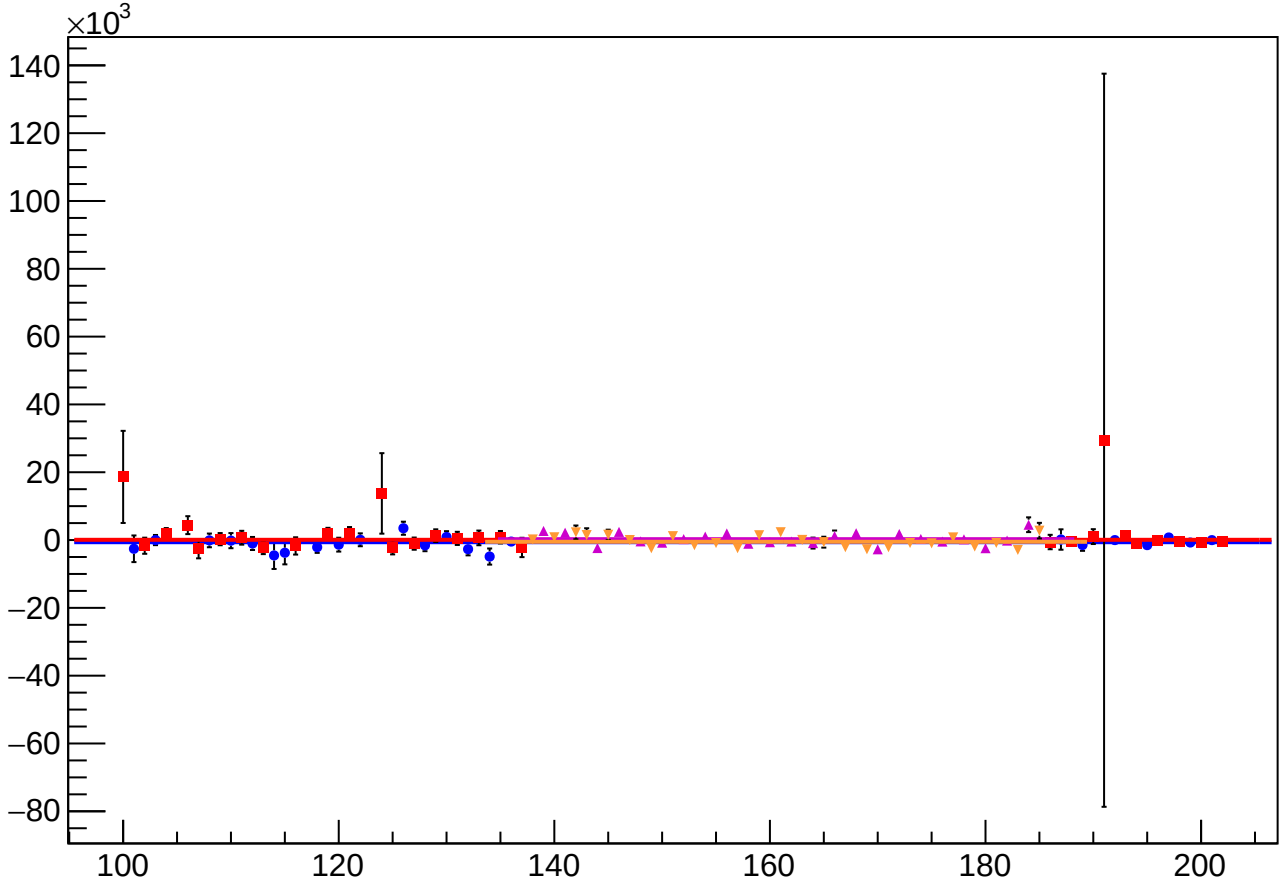
Right Out: 473.051+/-0.114 χ^2/NDF: 10803259.3/28

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 290.996+/-0.043 χ^2/NDF: 16053661.2/47

All: 296.345+/-0.031 χ^2/NDF: 32421178.8/99

- sign 301.958+/-0.044 χ^2/NDF: 16335365.5/51



Right In: -636.294+/-369.067 χ^2/NDF: 15.6/22

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 70.608+/-346.100 χ^2/NDF: 18.7/28

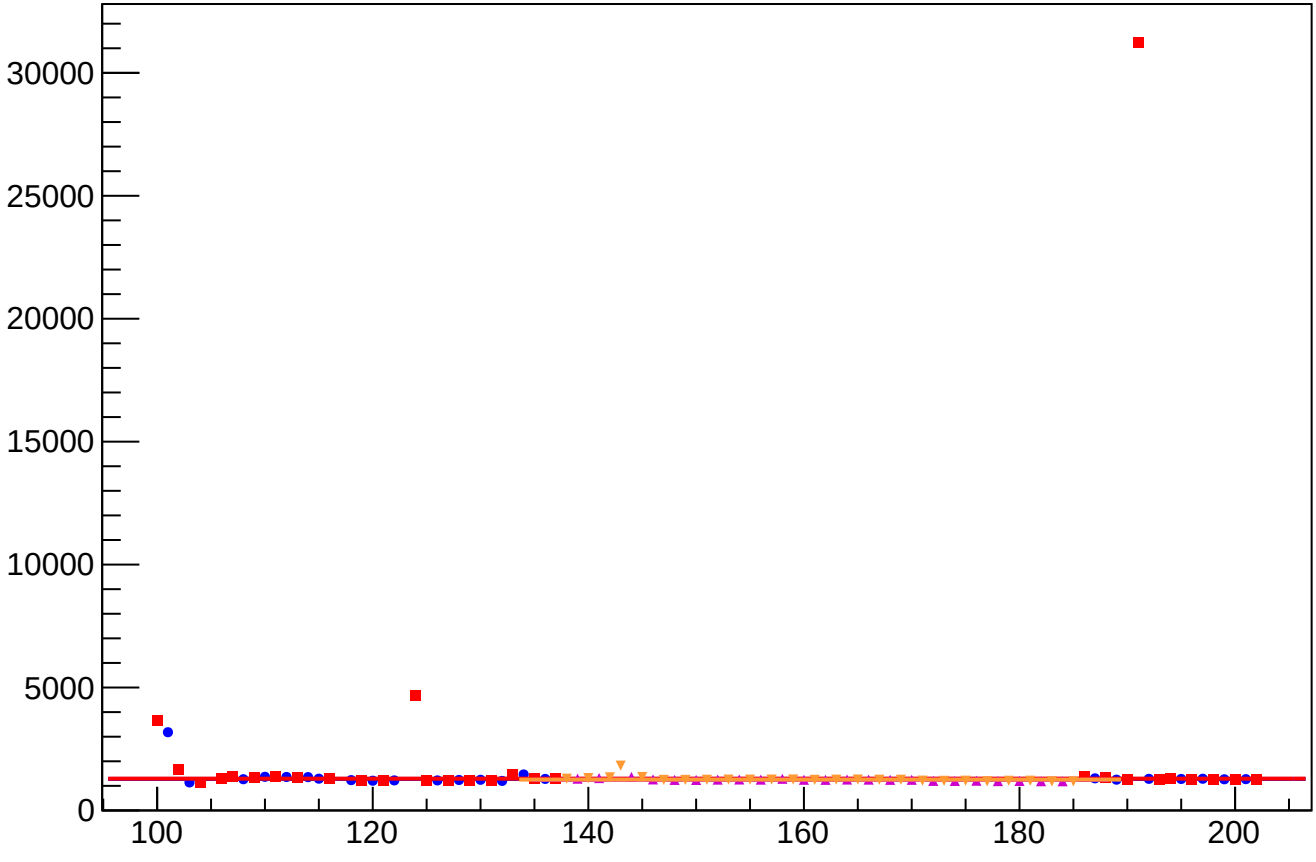
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -560.142+/-226.039 χ^2/NDF: 46.6/47

All: -189.125+/-158.679 χ^2/NDF: 102.8/99

- sign 171.358+/-222.807 χ^2/NDF: 50.9/51

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1282.377+/-0.261 χ^2/NDF: 519383.3/22

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

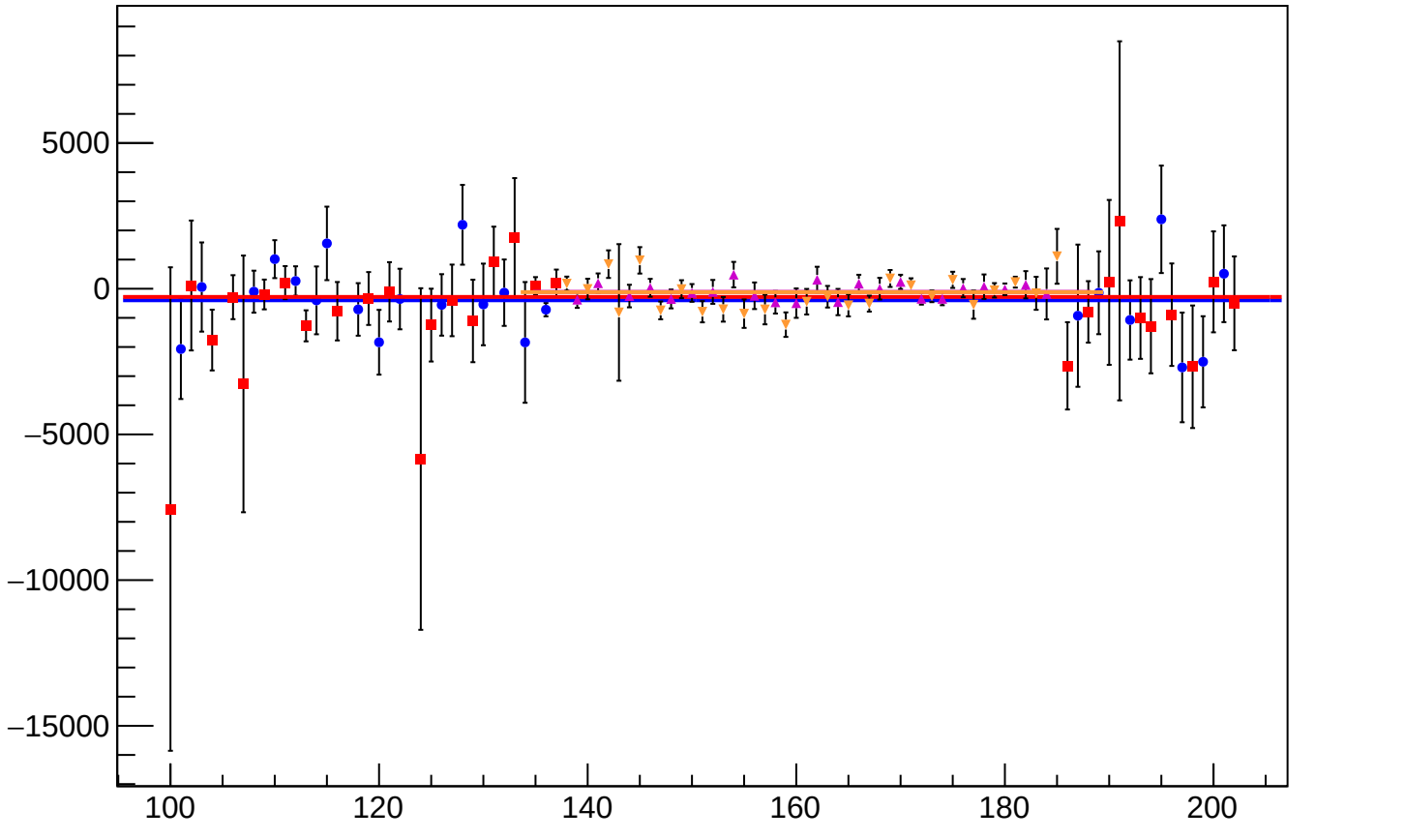
Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.590+/-0.160 χ^2/NDF: 729128.4/47

All: 1265.639+/-0.112 χ^2/NDF: 1281890.3/99

- sign 1265.685+/-0.158 χ^2/NDF: 552761.7/51



Right In: -396.395+/-162.462 χ^2/NDF: 24.2/22

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

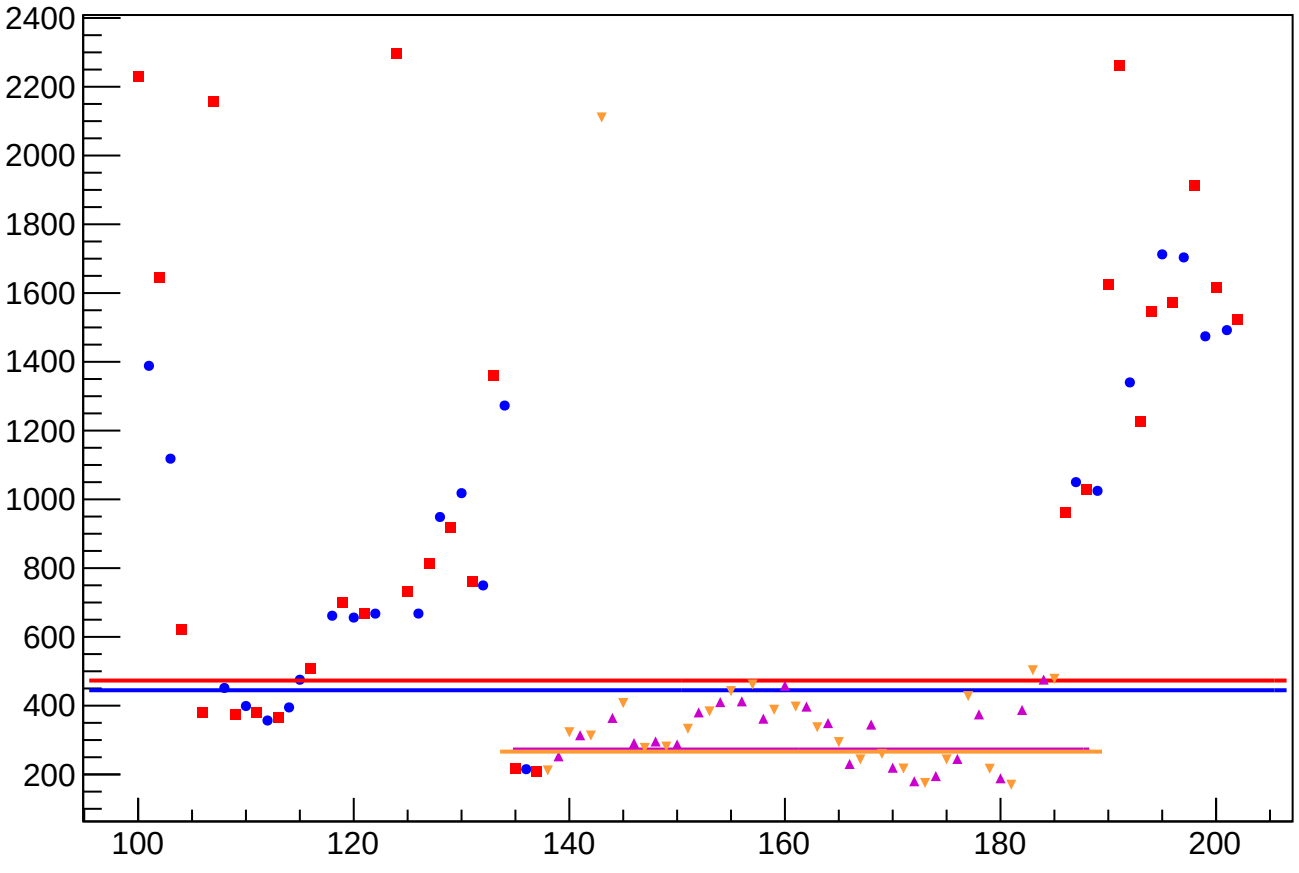
Right Out: -282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -155.616+/-60.397 χ^2/NDF: 75.2/47

All: -144.677+/-43.218 χ^2/NDF: 109.4/99

- sign -133.200+/-61.868 χ^2/NDF: 34.1/51



Right In: 444.824+/-0.115 χ^2/NDF: 9342865.2/22

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

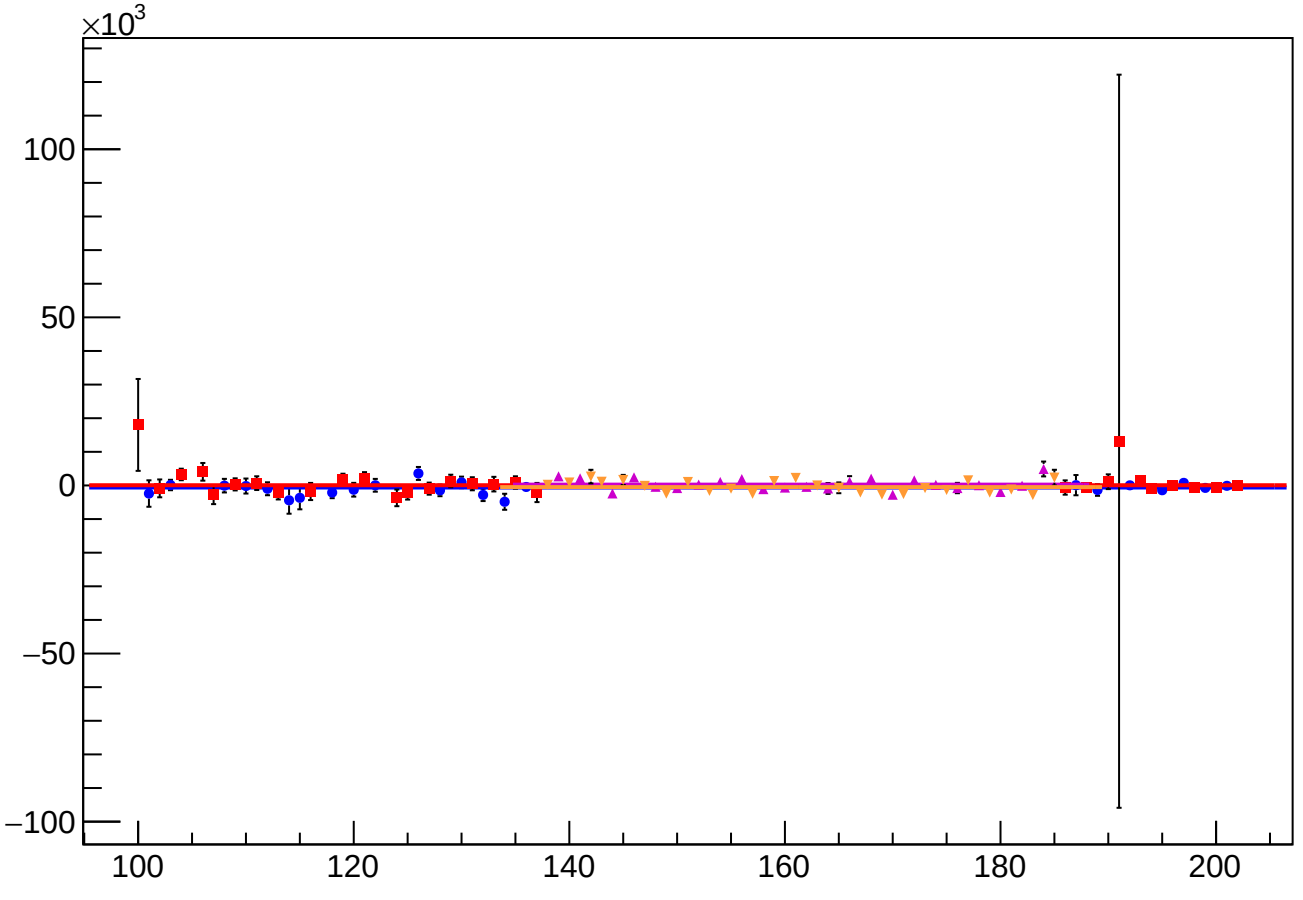
Right Out: 473.051+/-0.114 χ^2/NDF: 10803259.3/28

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 290.996+/-0.043 χ^2/NDF: 16053661.2/47

All: 296.345+/-0.031 χ^2/NDF: 32421178.8/99

- sign 301.958+/-0.044 χ^2/NDF: 16335365.5/51



Right In: -613.687+/-370.396 χ^2/NDF: 15.6/22

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 63.717+/-345.093 χ^2/NDF: 20.4/28

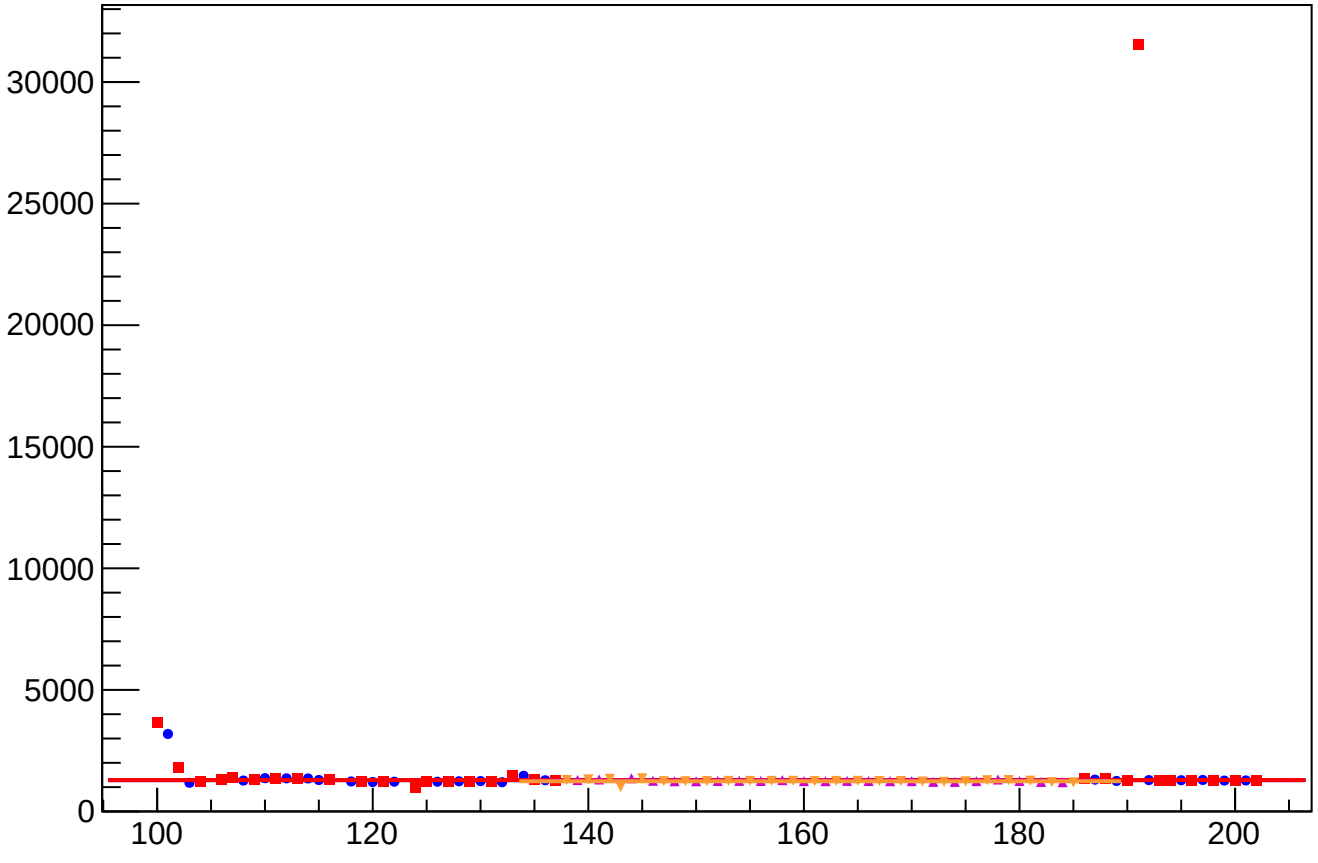
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -537.707+/-224.741 χ^2/NDF: 49.9/47

All: -184.141+/-158.634 χ^2/NDF: 106.1/99

- sign 166.923+/-223.945 χ^2/NDF: 51.3/51

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1287.141+/-0.262 χ^2/NDF: 510998.8/22

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

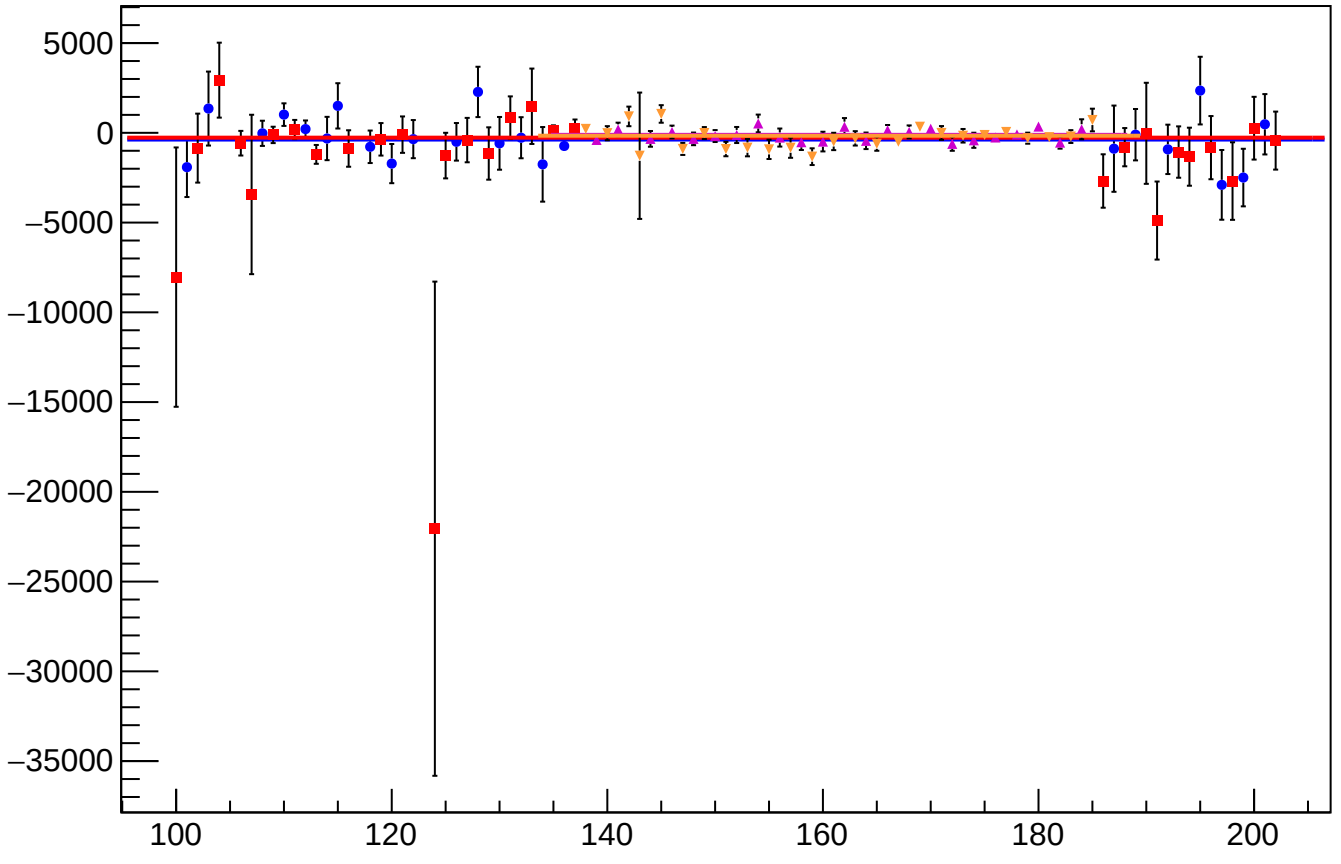
Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.1/28

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.960+/-0.159 χ^2/NDF: 659345.3/47

All: 1265.741+/-0.112 χ^2/NDF: 1072709.1/99

- sign 1272.474+/-0.158 χ^2/NDF: 409734.7/51



Right In: -374.545+/-164.192 χ^2/NDF: 24.5/22

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

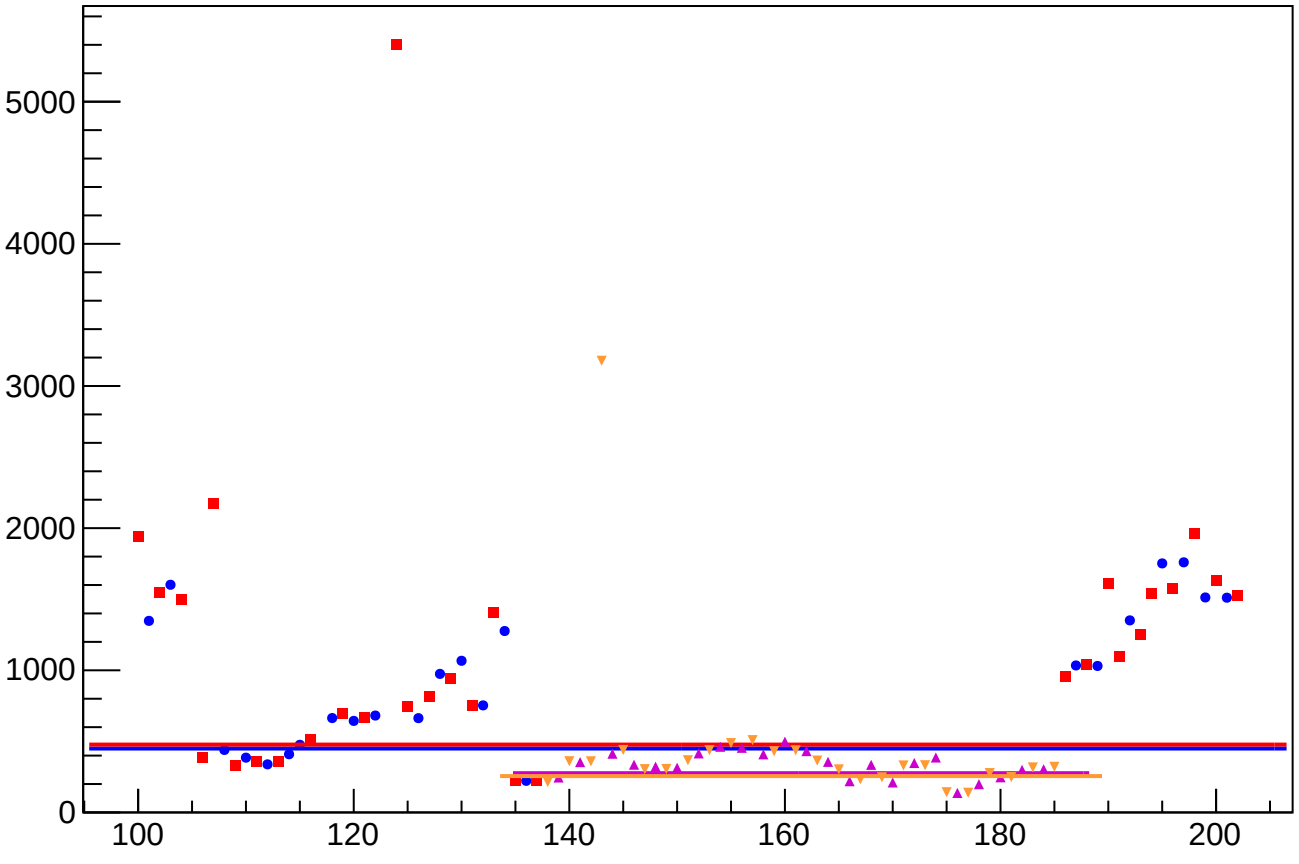
Right Out: -269.823+/-161.106 χ^2/NDF: 25.9/28

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -189.206+/-59.737 χ^2/NDF: 69.7/47

All: -165.002+/-43.447 χ^2/NDF: 114.9/99

- sign -137.823+/-63.304 χ^2/NDF: 44.9/51



Right In: 449.641+/-0.116 χ^2/NDF: 9487579.7/22

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

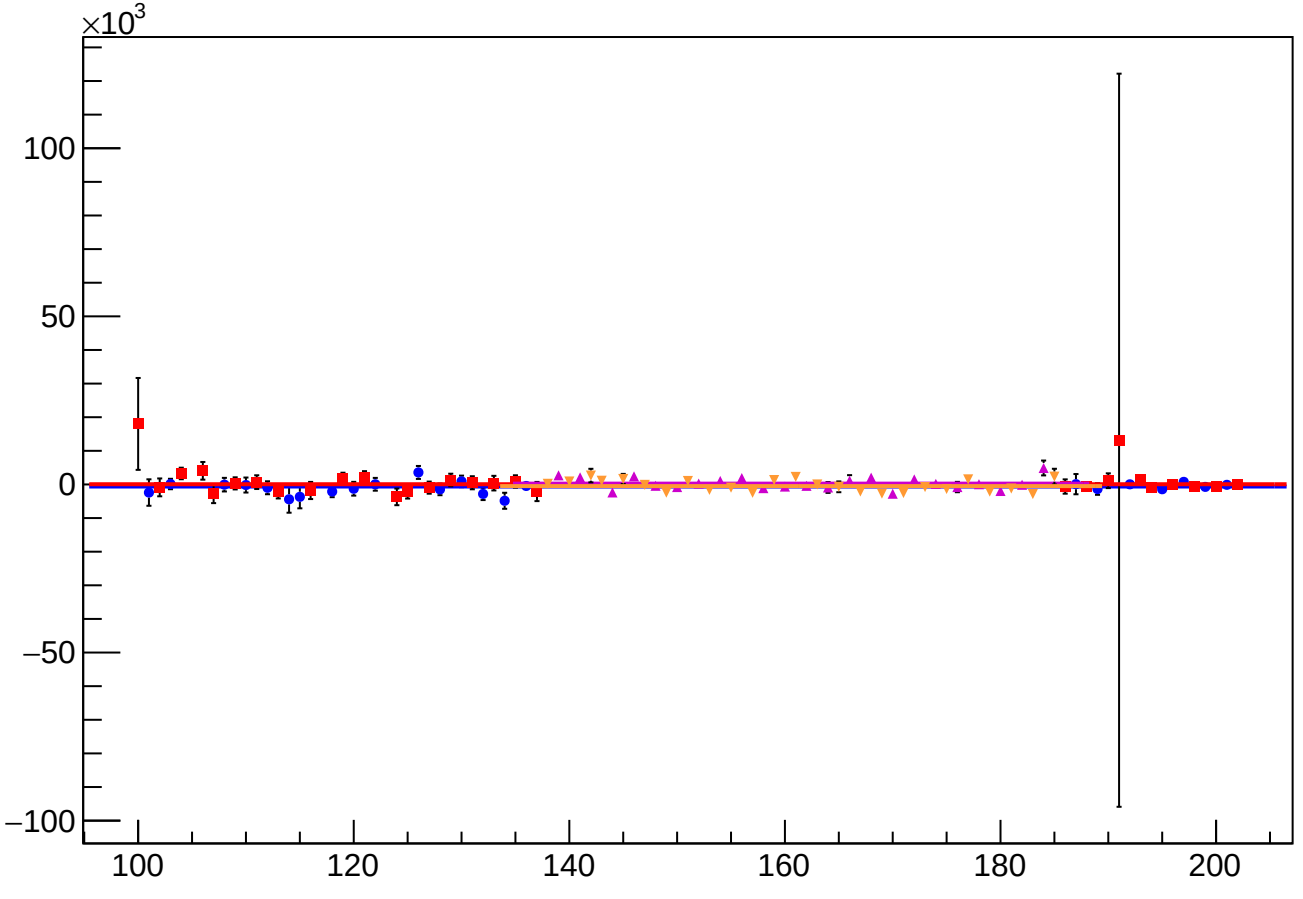
Right Out: 477.491+/-0.114 χ^2/NDF: 11307249.0/28

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 281.431+/-0.042 χ^2/NDF: 18280827.2/47

All: 293.645+/-0.031 χ^2/NDF: 36430510.7/99

- sign 307.361+/-0.045 χ^2/NDF: 17972178.1/51



Right In: -613.689+/-370.396 χ^2/NDF: 15.6/22

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 63.716+/-345.093 χ^2/NDF: 20.4/28

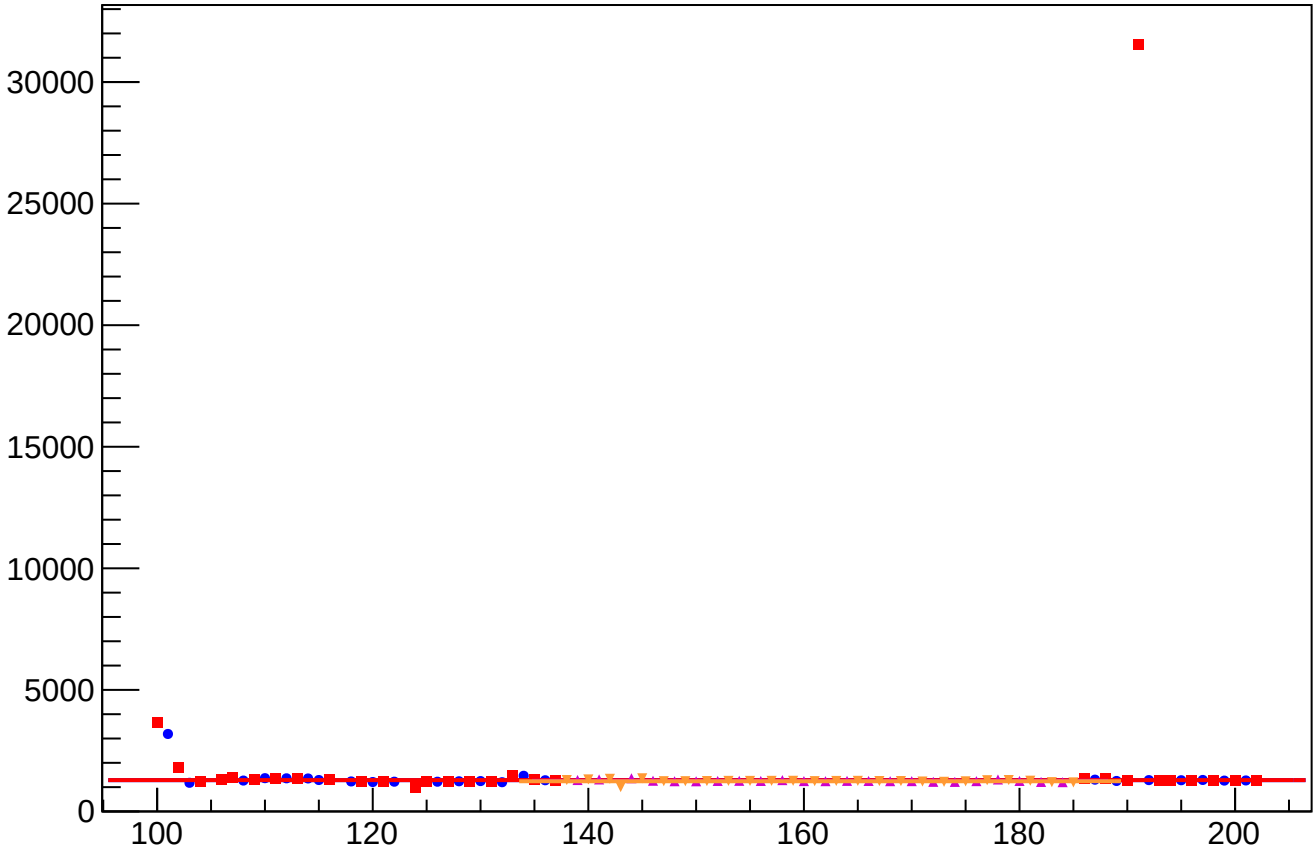
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -537.708+/-224.741 χ^2/NDF: 49.9/47

All: -184.142+/-158.634 χ^2/NDF: 106.1/99

- sign 166.922+/-223.945 χ^2/NDF: 51.3/51

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1287.141+/-0.262 χ^2/NDF: 510998.8/22

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.3/28

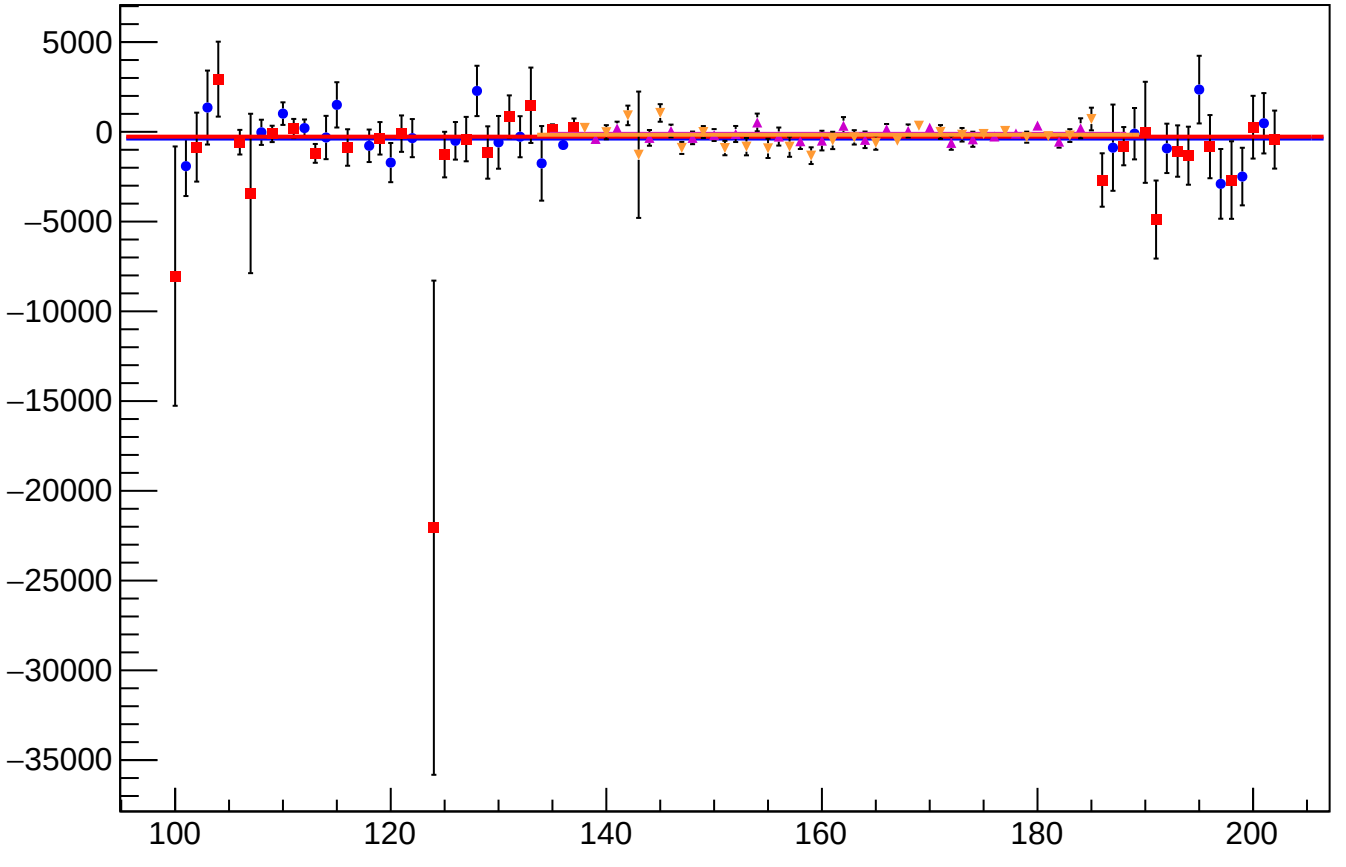
Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.960+/-0.159 χ^2/NDF: 659344.4/47

All: 1265.741+/-0.112 χ^2/NDF: 1072708.5/99

- sign 1272.474+/-0.158 χ^2/NDF: 409735.1/51

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -374.546+/-164.195 χ^2/NDF: 24.5/22

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

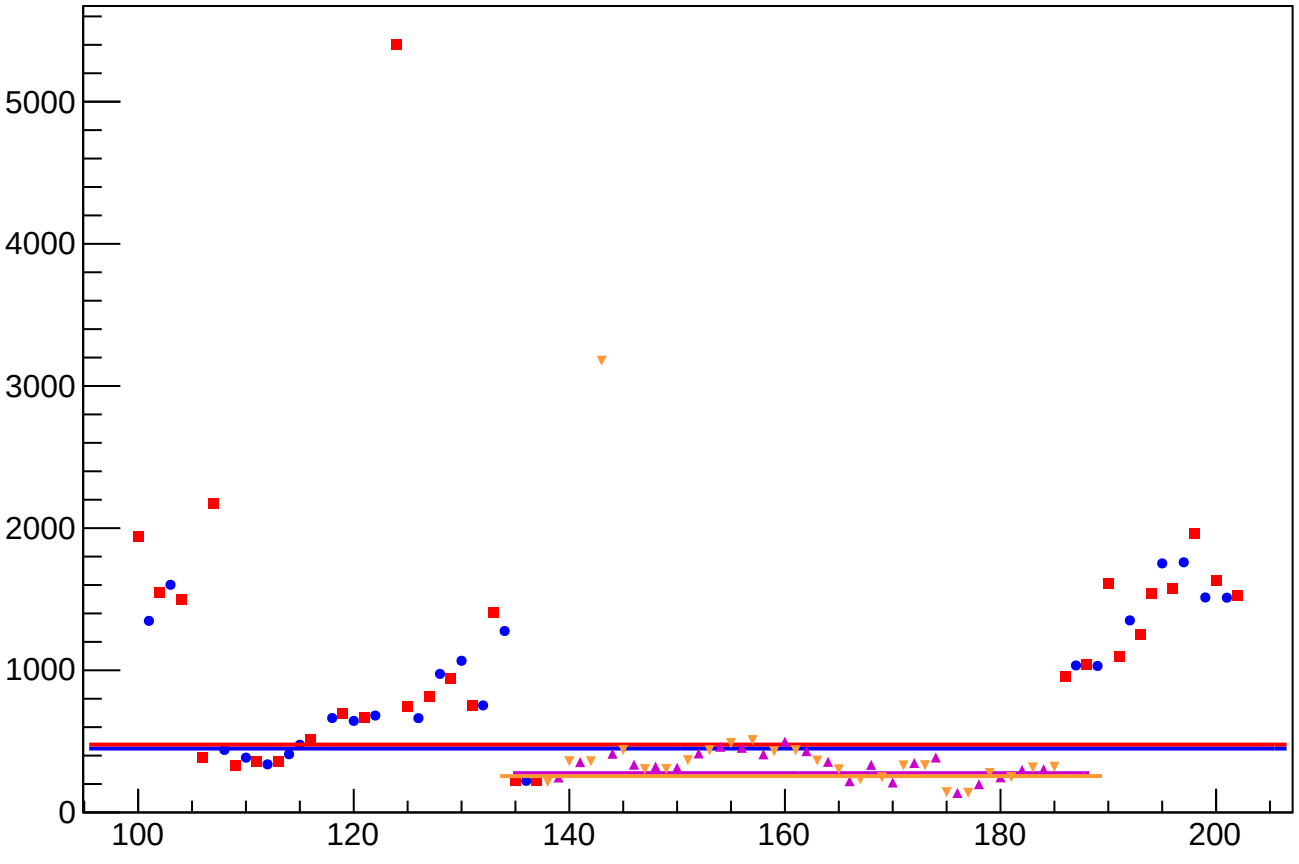
Right Out: -269.831+/-161.108 χ^2/NDF: 25.9/28

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -189.208+/-59.738 χ^2/NDF: 69.7/47

All: -165.003+/-43.447 χ^2/NDF: 114.9/99

- sign -137.822+/-63.304 χ^2/NDF: 44.9/51



Right In: 449.653+/-0.116 χ^2/NDF: 9487298.5/22

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 477.500+/-0.114 χ^2/NDF: 11306999.8/28

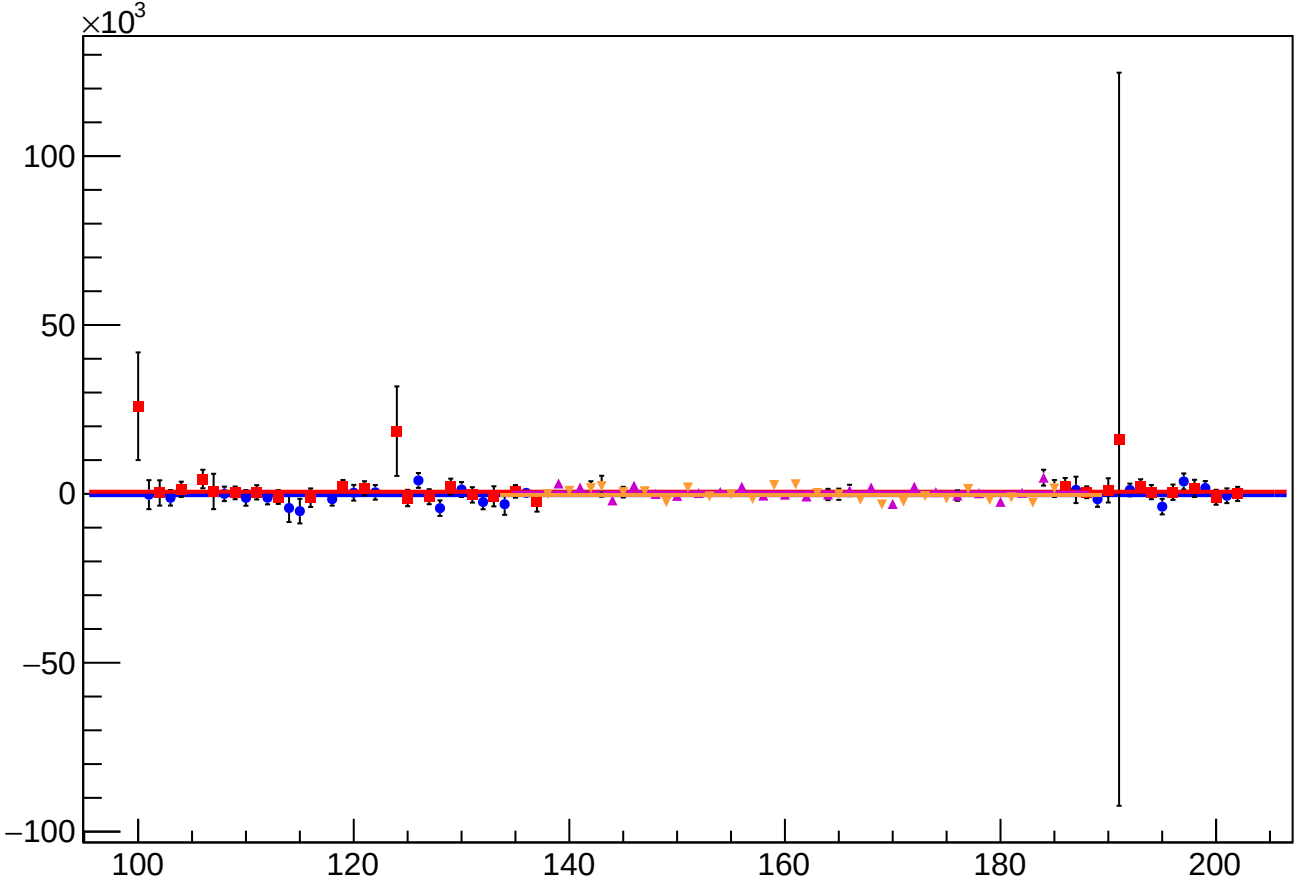
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 281.433+/-0.042 χ^2/NDF: 18280630.7/47

All: 293.647+/-0.031 χ^2/NDF: 36430188.5/99

- sign 307.363+/-0.045 χ^2/NDF: 17972065.2/51

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -375.615+/-471.917 χ^2/NDF: 19.9/22

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 636.563+/-451.010 χ^2/NDF: 13.2/28

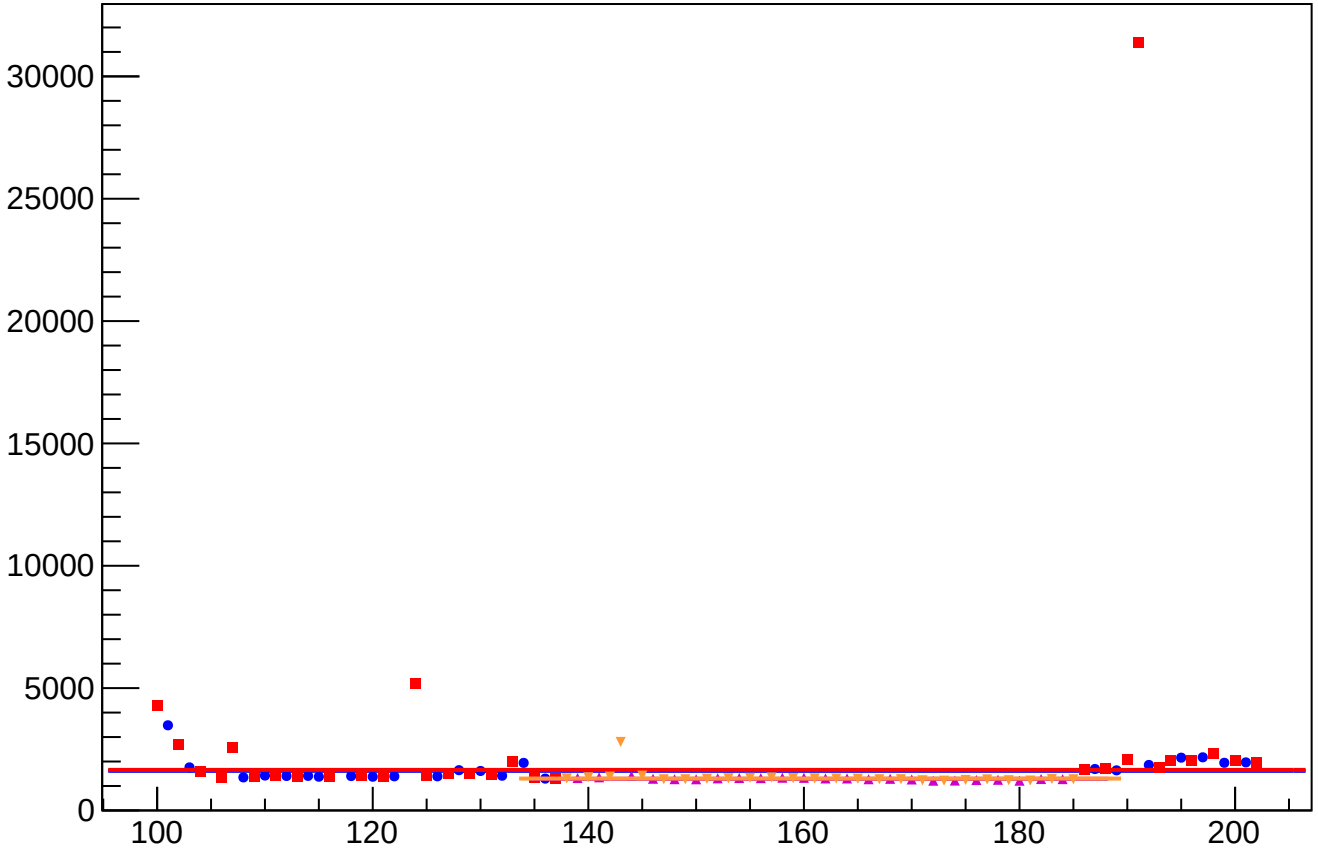
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -335.692+/-252.132 χ^2/NDF: 51.5/47

All: 55.630+/-177.841 χ^2/NDF: 99.4/99

- sign 443.083+/-250.882 χ^2/NDF: 43.1/51

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1620.046+/-0.334 χ^2/NDF: 1047153.6/22

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

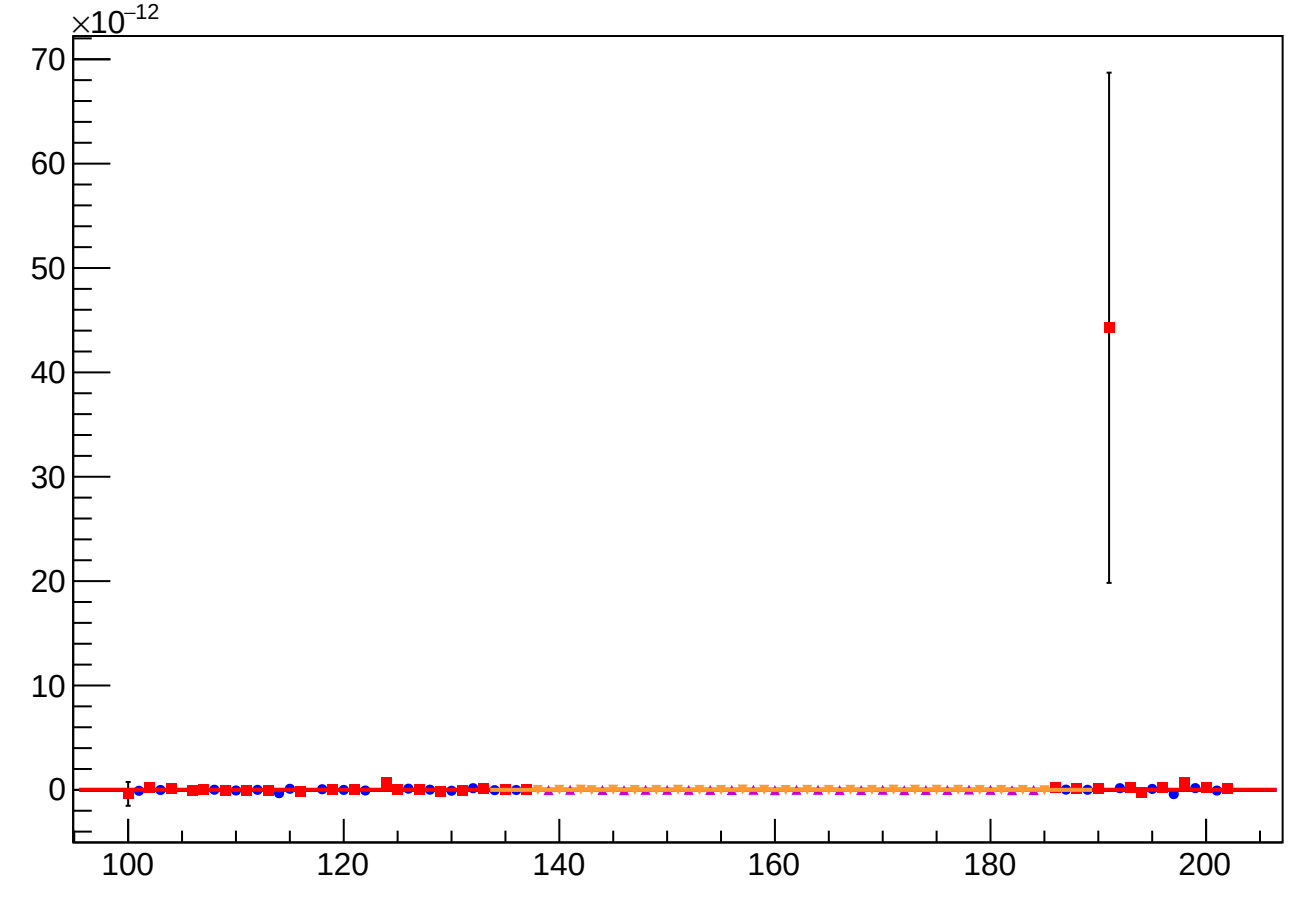
Right Out: 1657.593+/-0.319 χ^2/NDF: 1347719.7/28

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1394.326+/-0.178 χ^2/NDF: 2207093.6/47

All: 1399.796+/-0.126 χ^2/NDF: 4511946.2/99

- sign 1405.212+/-0.177 χ^2/NDF: 2302979.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

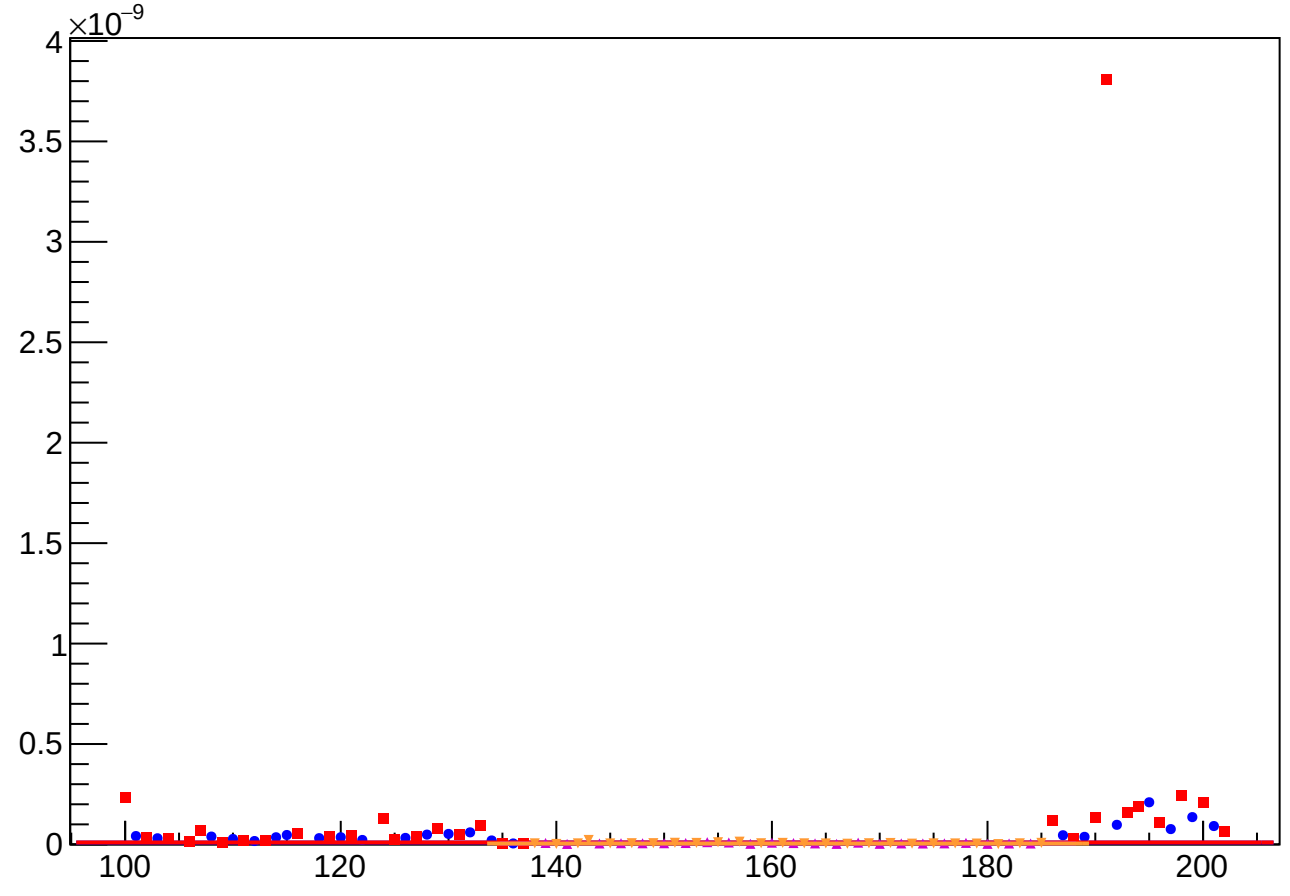
Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/28

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.1/47

All: 0.000+/-0.000 χ^2/NDF: 112.1/99

- sign 0.000+/-0.000 χ^2/NDF: 68.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 5761631.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

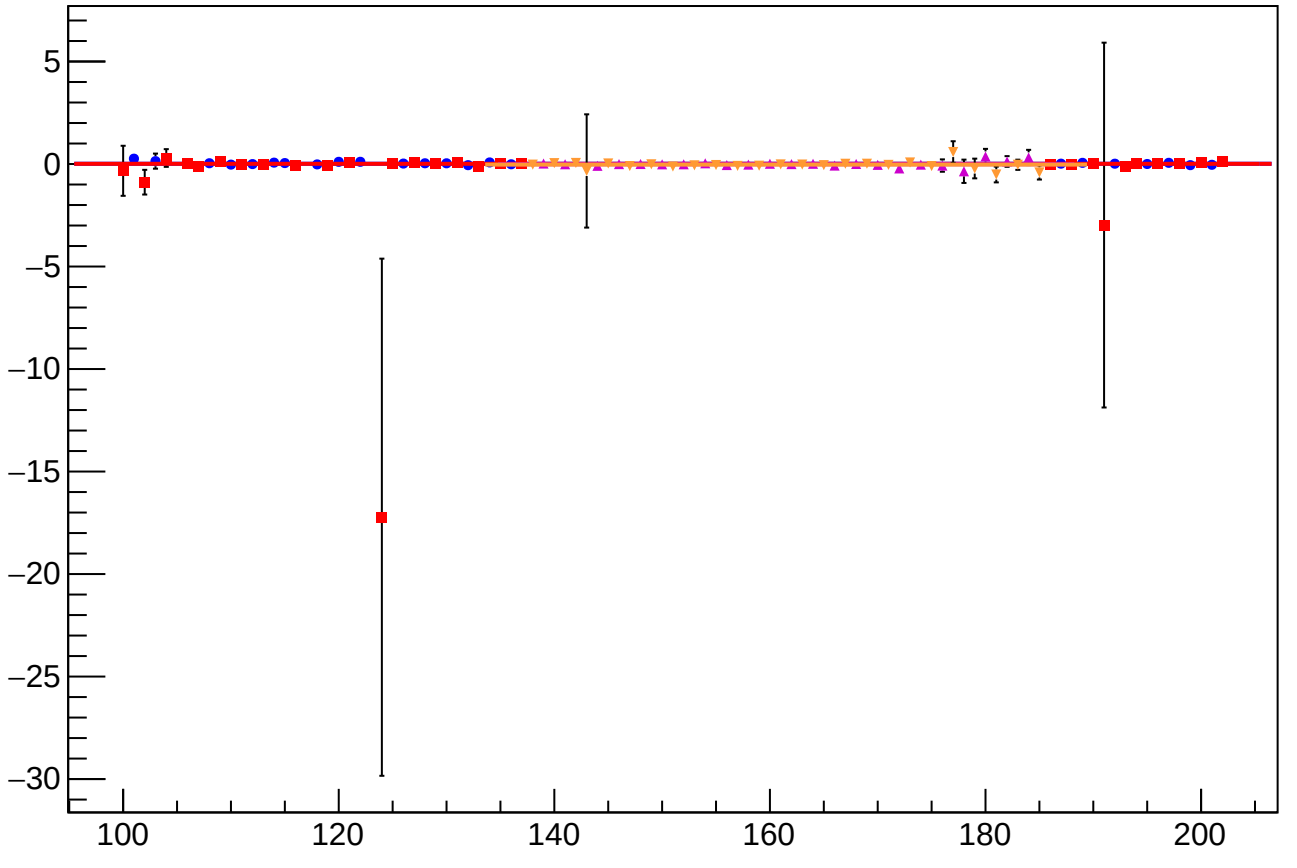
Right Out: 0.000+/-0.000 χ^2/NDF: 8083906.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9246944.3/47

All: 0.000+/-0.000 χ^2/NDF: 20022237.6/99

- sign 0.000+/-0.000 χ^2/NDF: 10749667.8/51



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.010+/-0.013 χ^2/NDF: 22.3/28

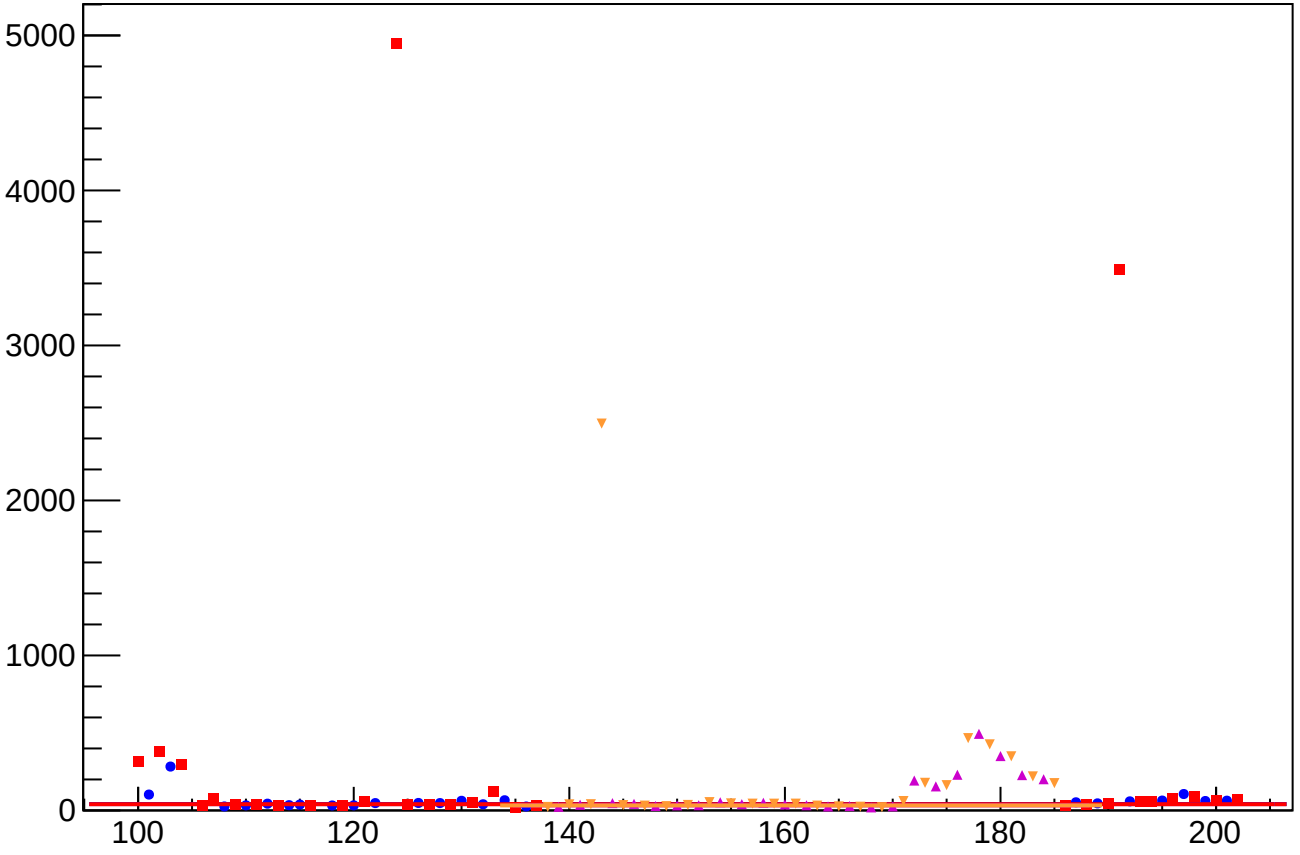
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 86.1/99

- sign -0.003+/-0.008 χ^2/NDF: 37.2/51

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.224+/-0.010 χ^2/NDF: 3820893.4/22

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

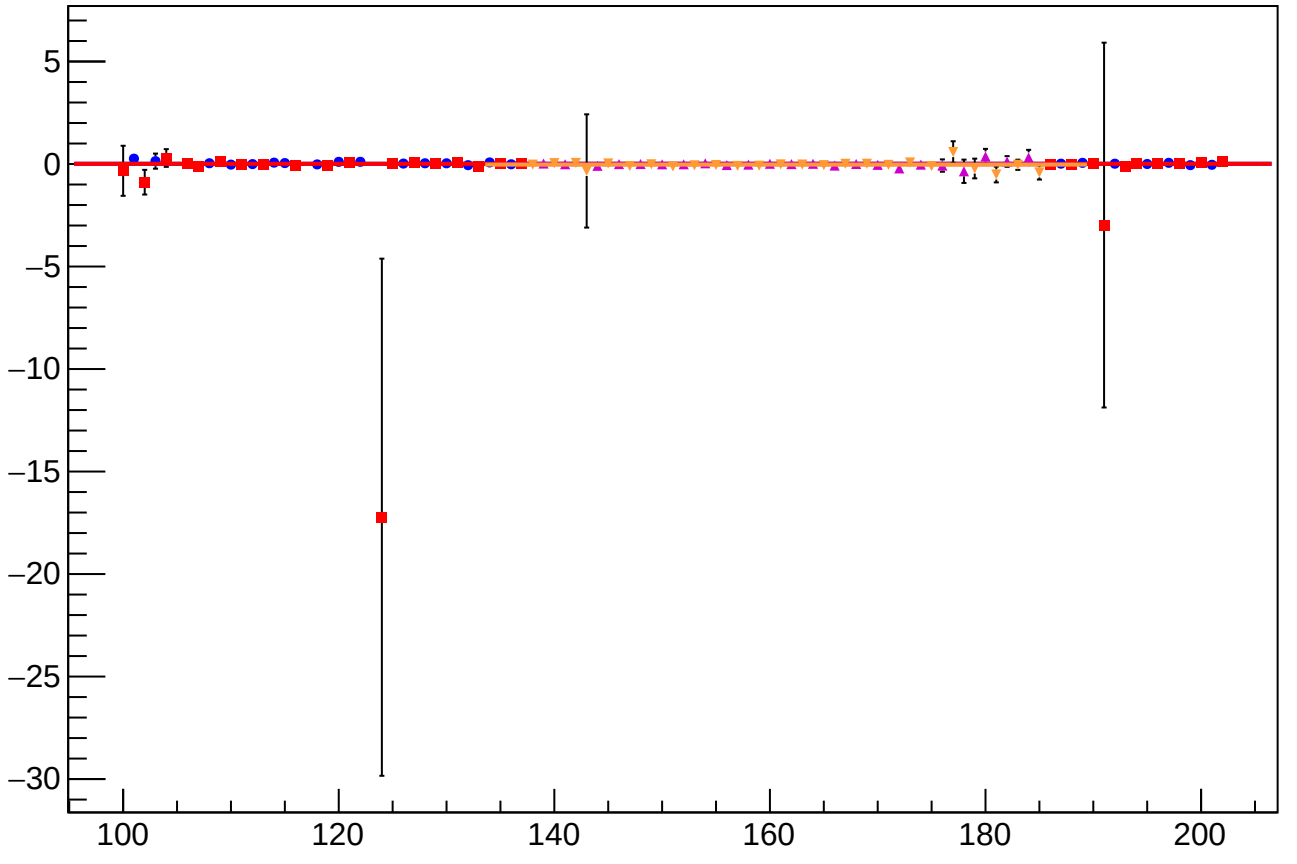
Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235266.4/47

All: 35.420+/-0.004 χ^2/NDF: 29910680.1/99

- sign 35.454+/-0.005 χ^2/NDF: 14675329.9/51



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

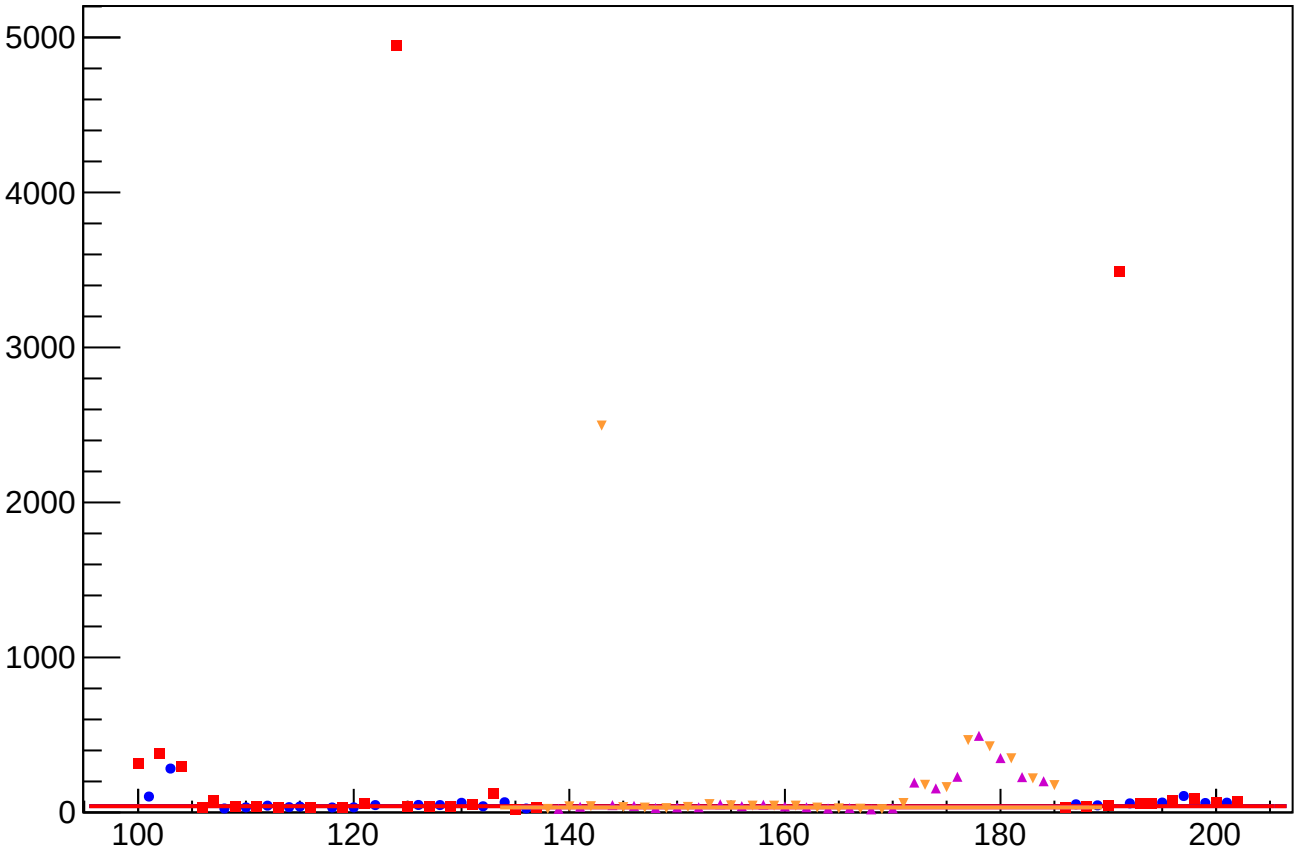
Right Out: 0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 86.1/99

- sign -0.003+/-0.008 χ^2/NDF: 37.2/51



Right In: 41.224+/-0.010 χ^2/NDF: 3820893.4/22

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

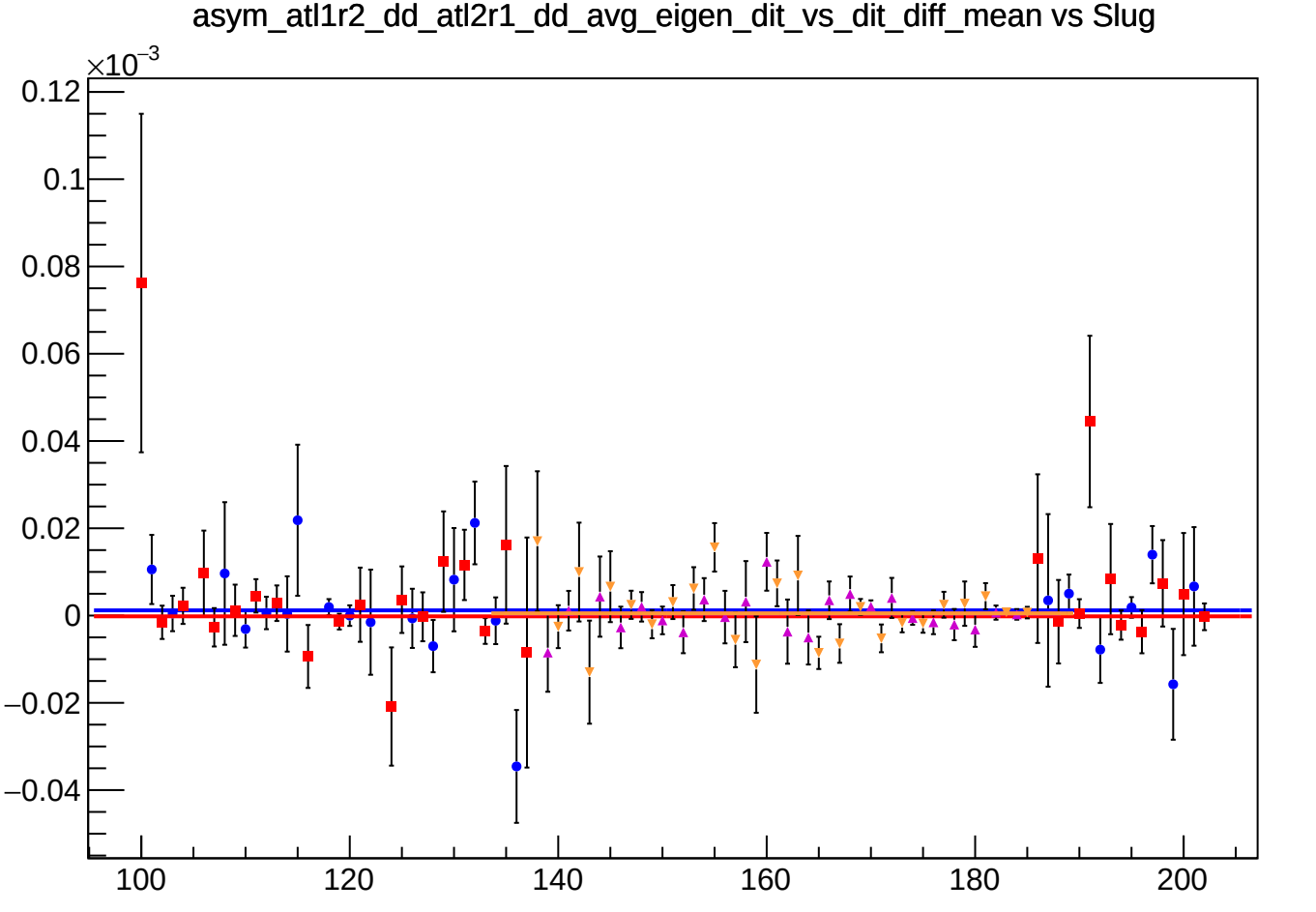
Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

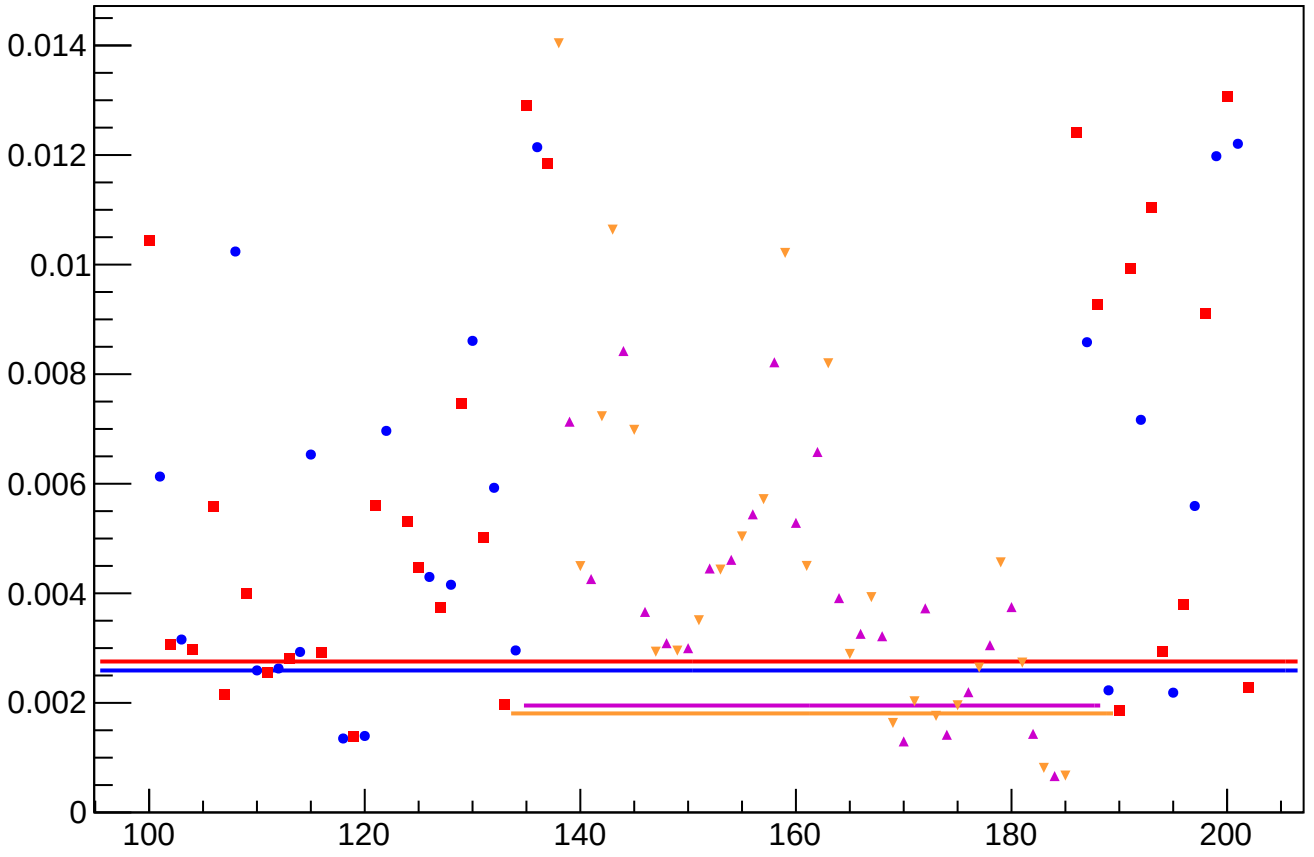
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235266.4/47

All: 35.420+/-0.004 χ^2/NDF: 29910680.1/99

- sign 35.454+/-0.005 χ^2/NDF: 14675329.9/51


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.3/22
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/28
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 63.4/47
All: 0.000+/-0.000 χ²/NDF: 103.6/99
- sign 0.000+/-0.000 χ²/NDF: 39.8/51



Right In: 0.003+/-0.000 χ^2/NDF: 8292286.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

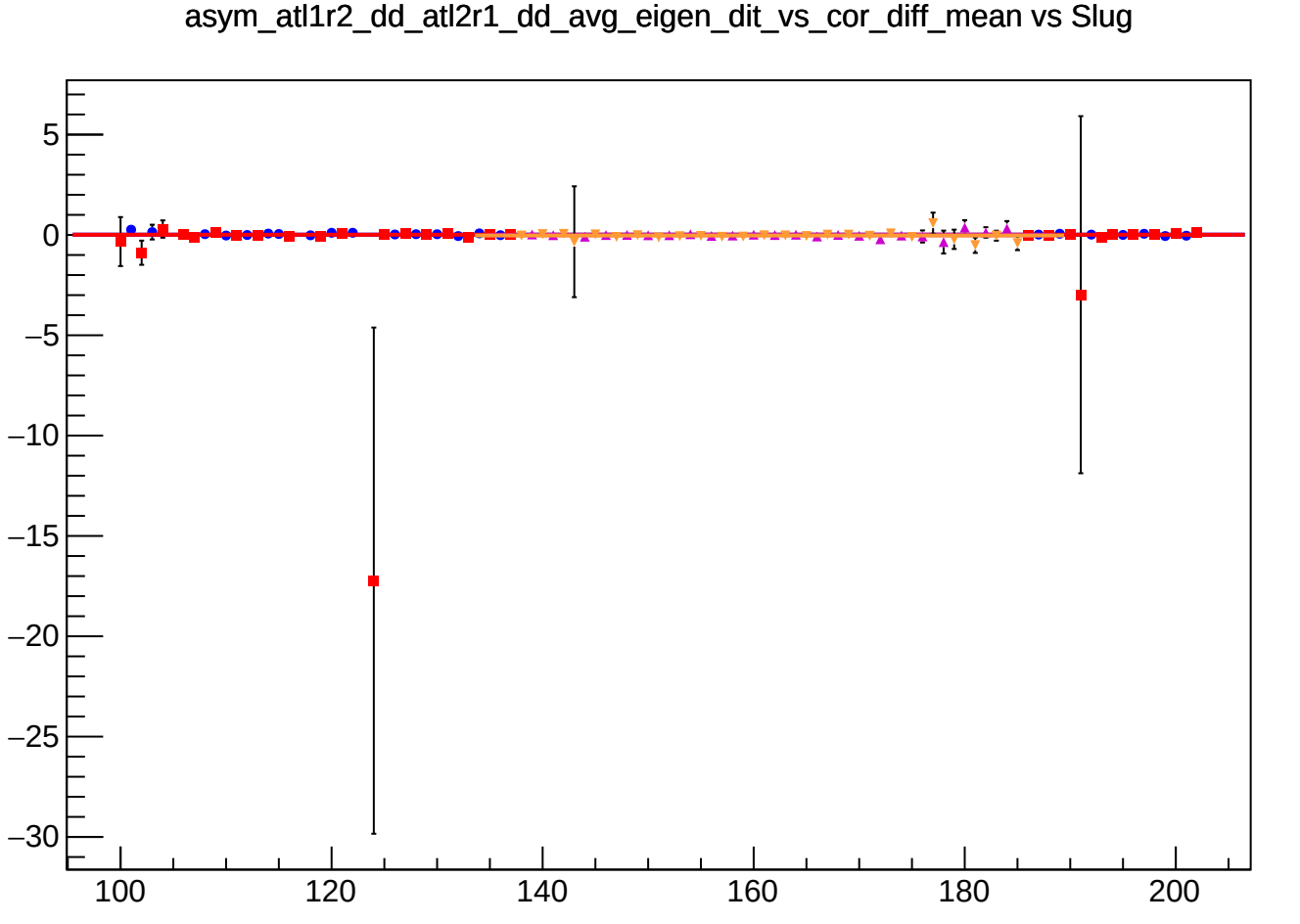
Right Out: 0.003+/-0.000 χ^2/NDF: 8251766.8/28

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 24253526.2/47

All: 0.002+/-0.000 χ^2/NDF: 45268978.4/99

- sign 0.002+/-0.000 χ^2/NDF: 20856765.5/51



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

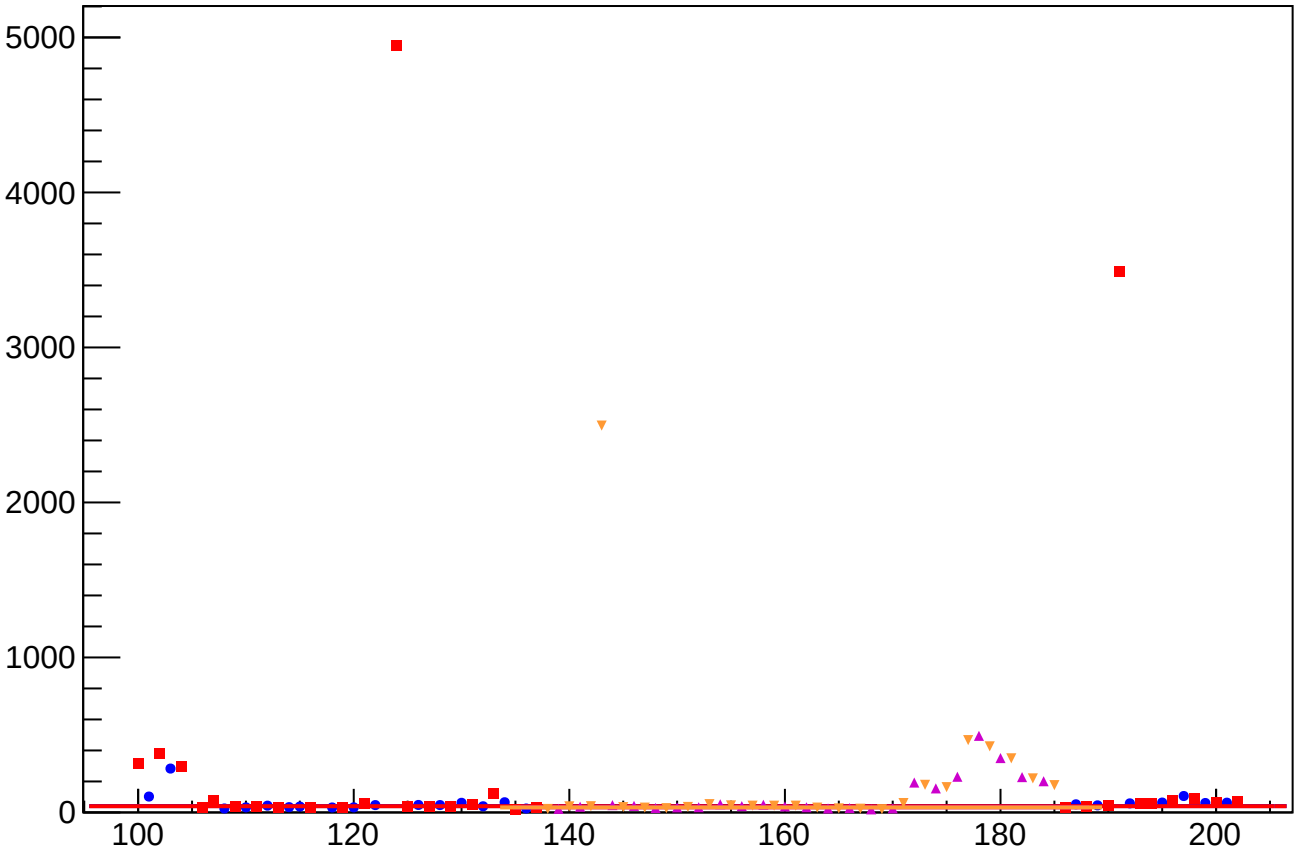
Right Out: 0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 86.1/99

- sign -0.003+/-0.008 χ^2/NDF: 37.2/51



Right In: 41.225+/-0.010 χ^2/NDF: 3820445.9/22

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

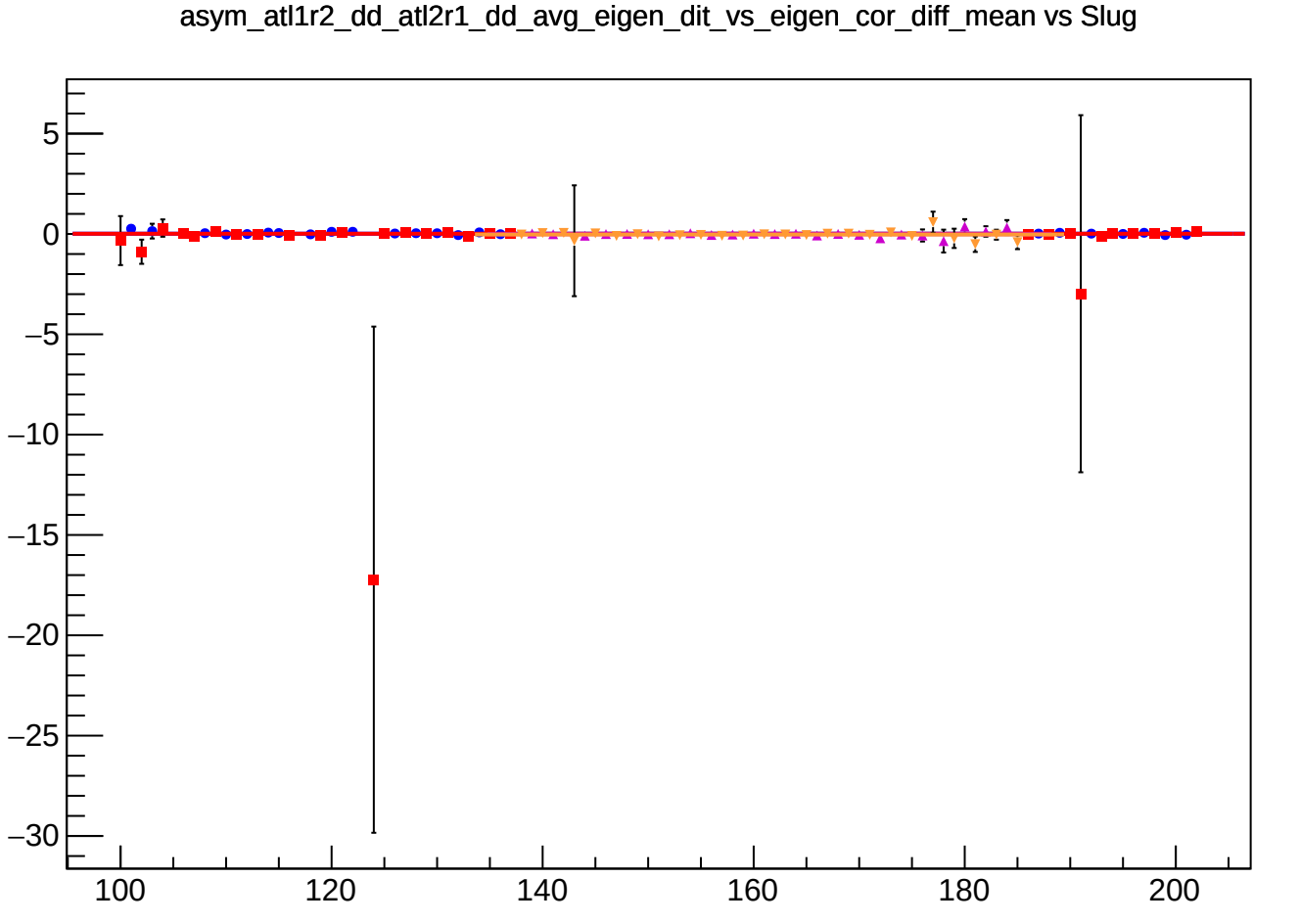
Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235265.3/47

All: 35.420+/-0.004 χ^2/NDF: 29911282.6/99

- sign 35.454+/-0.005 χ^2/NDF: 14675936.1/51



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.010+/-0.013 χ^2/NDF: 22.3/28

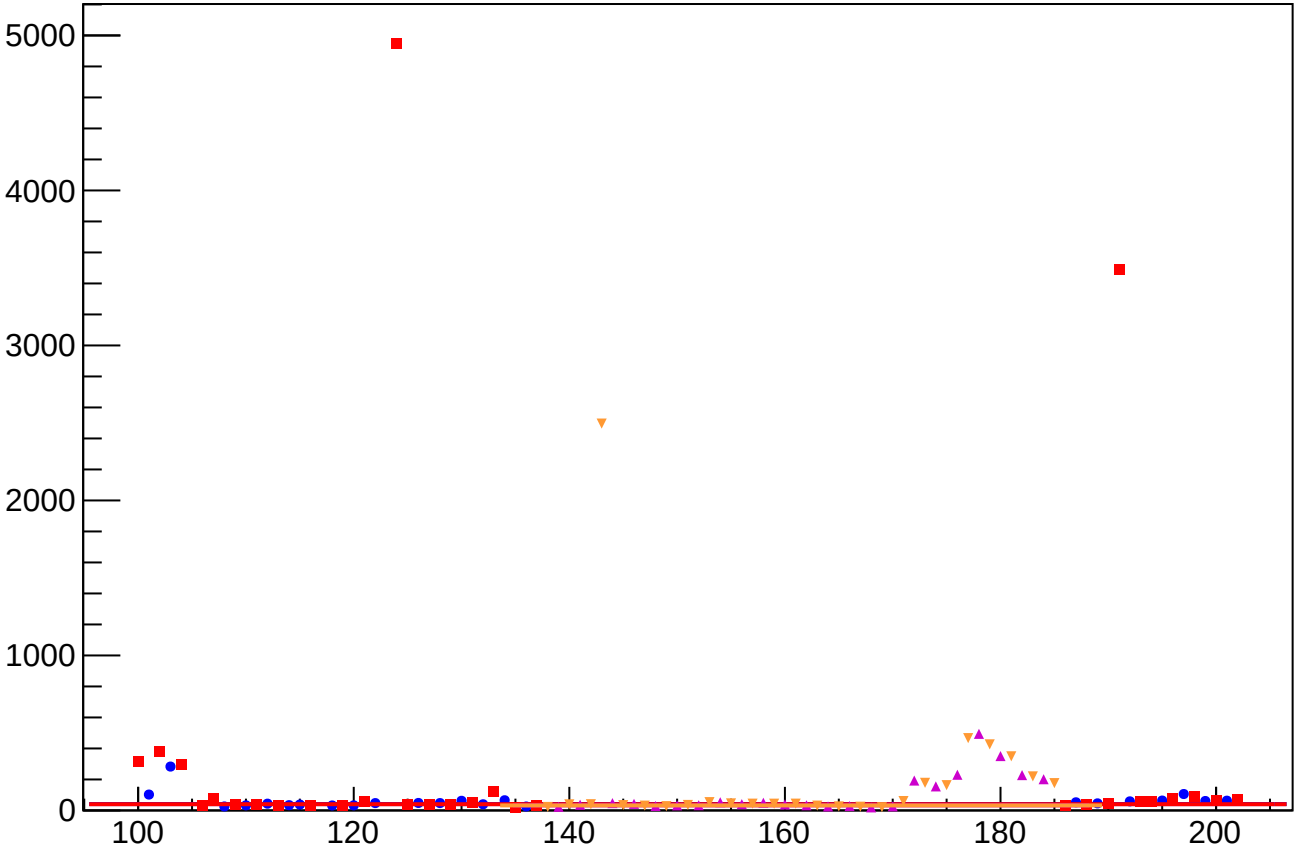
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 86.1/99

- sign -0.003+/-0.008 χ^2/NDF: 37.2/51

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.225+/-0.010 χ^2/NDF: 3820445.9/22

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

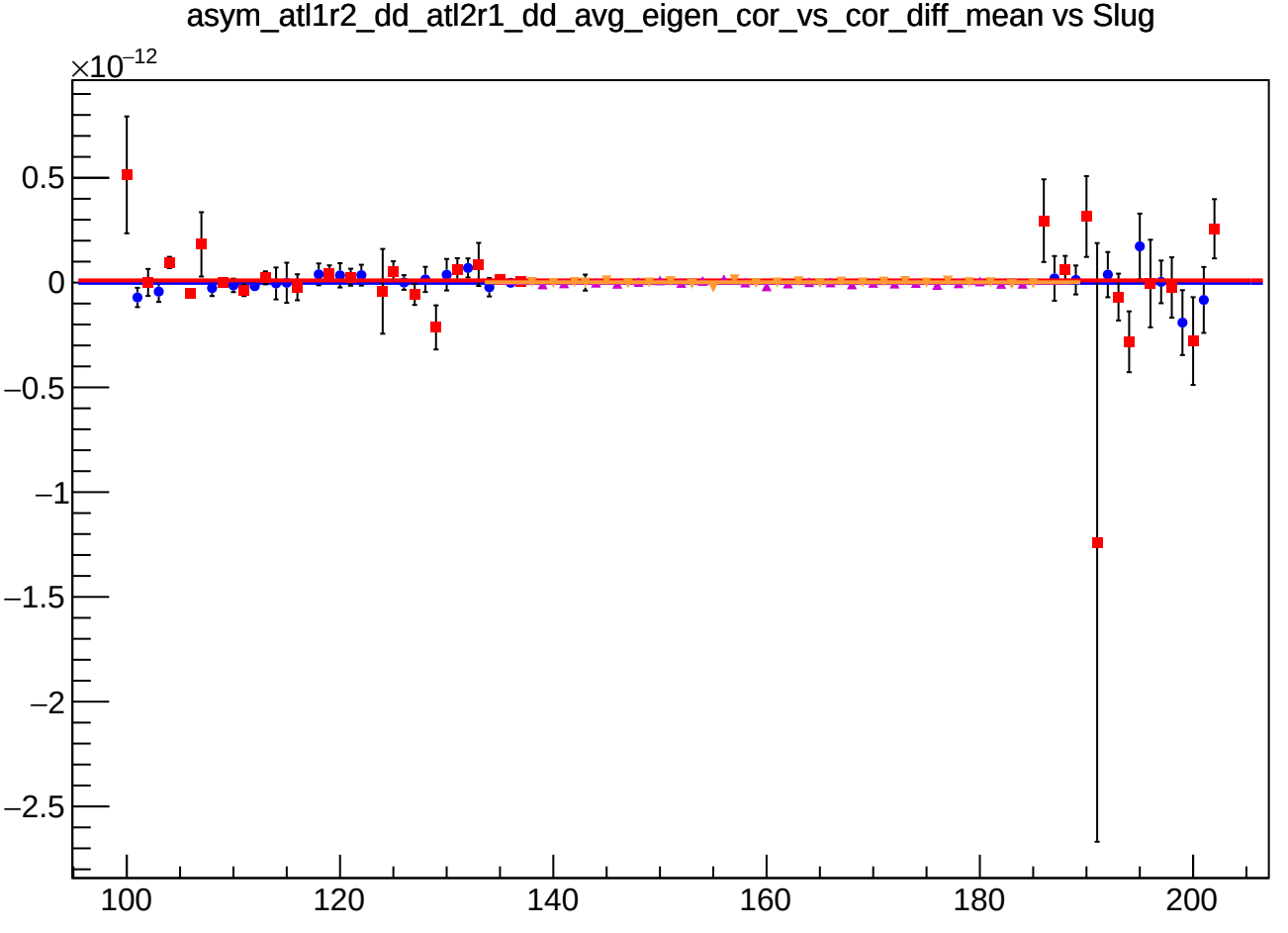
Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235265.3/47

All: 35.420+/-0.004 χ^2/NDF: 29911282.6/99

- sign 35.454+/-0.005 χ^2/NDF: 14675936.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

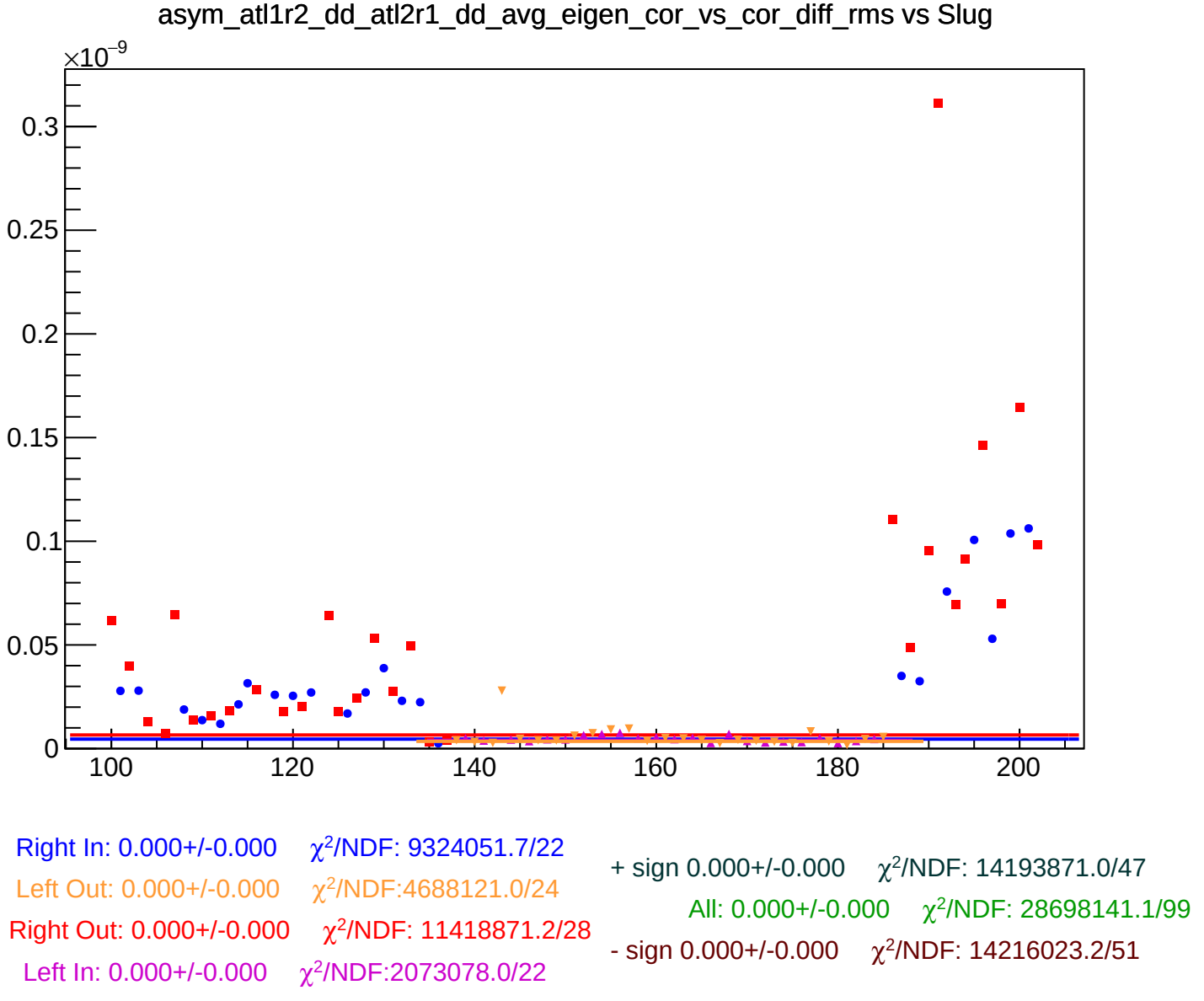
Right Out: 0.000+/-0.000 χ^2/NDF: 55.5/28

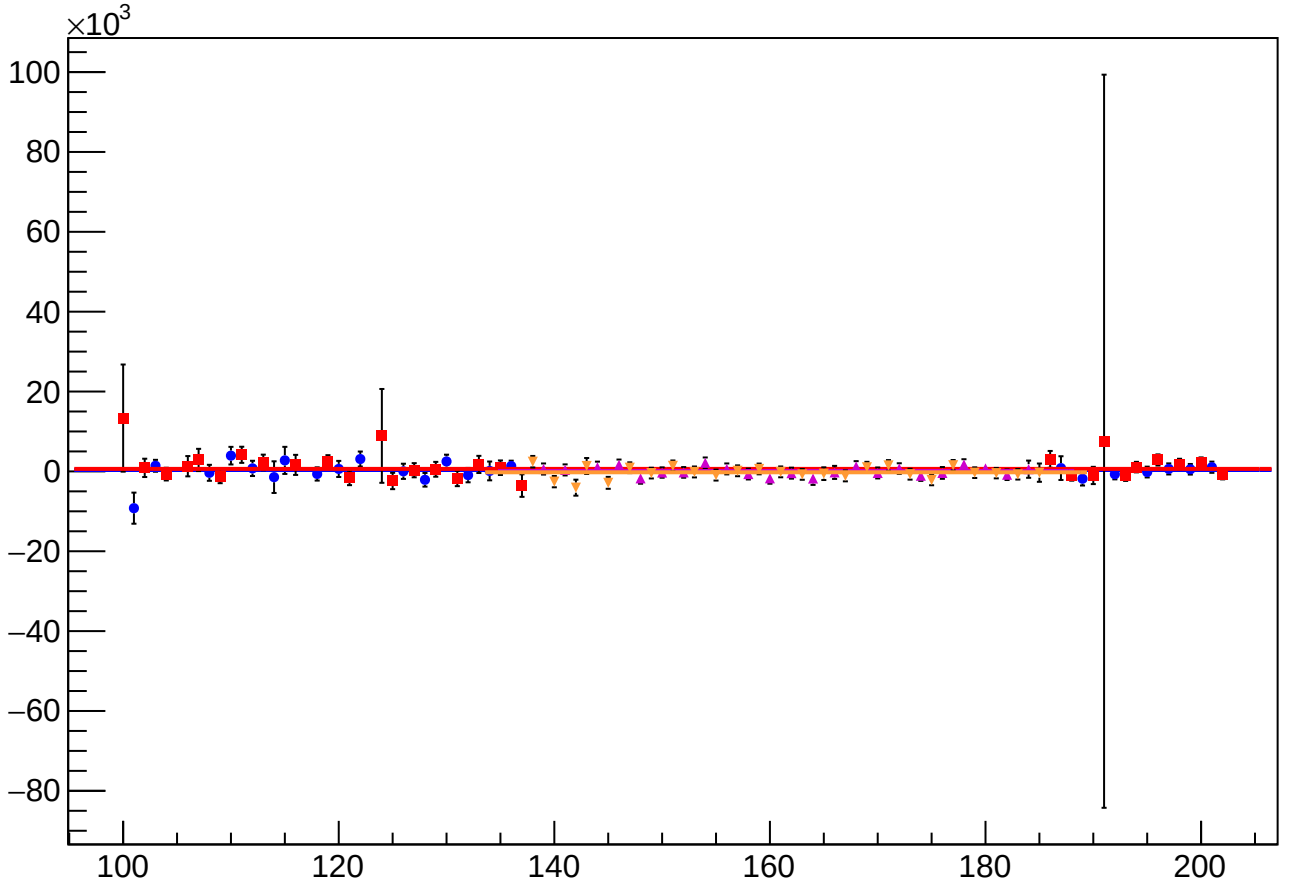
Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/47

All: 0.000+/-0.000 χ^2/NDF: 123.3/99

- sign -0.000+/-0.000 χ^2/NDF: 91.6/51


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9324051.7/22
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 11418871.2/28
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 14193871.0/47
All: 0.000+/-0.000 χ²/NDF: 28698141.1/99
- sign 0.000+/-0.000 χ²/NDF: 14216023.2/51



Right In: 349.943+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 626.859+/-342.208 χ^2/NDF: 27.0/28

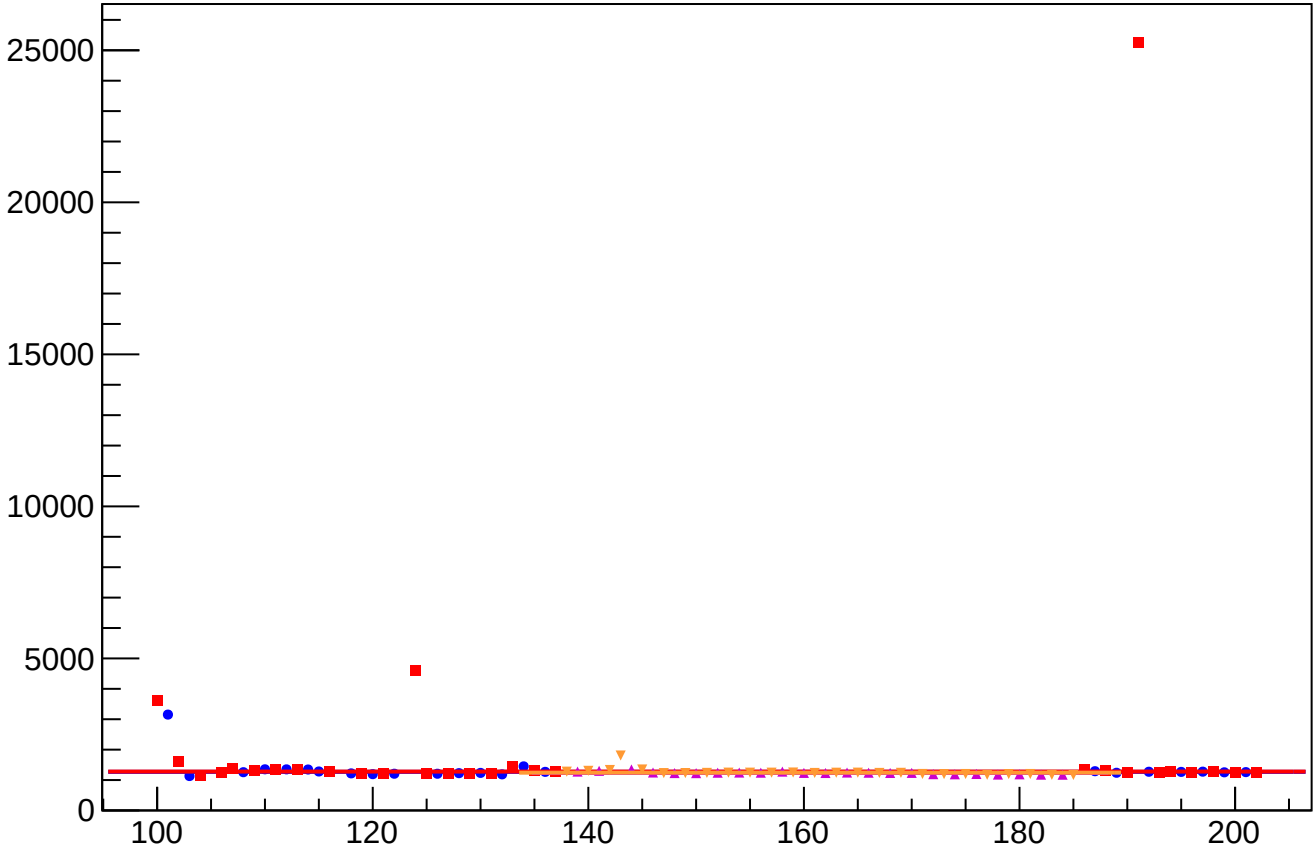
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -6.633+/-223.746 χ^2/NDF: 45.5/47

All: 156.162+/-157.033 χ^2/NDF: 89.7/99

- sign 314.192+/-220.447 χ^2/NDF: 43.2/51

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1269.262+/-0.258 χ^2/NDF: 520503.7/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

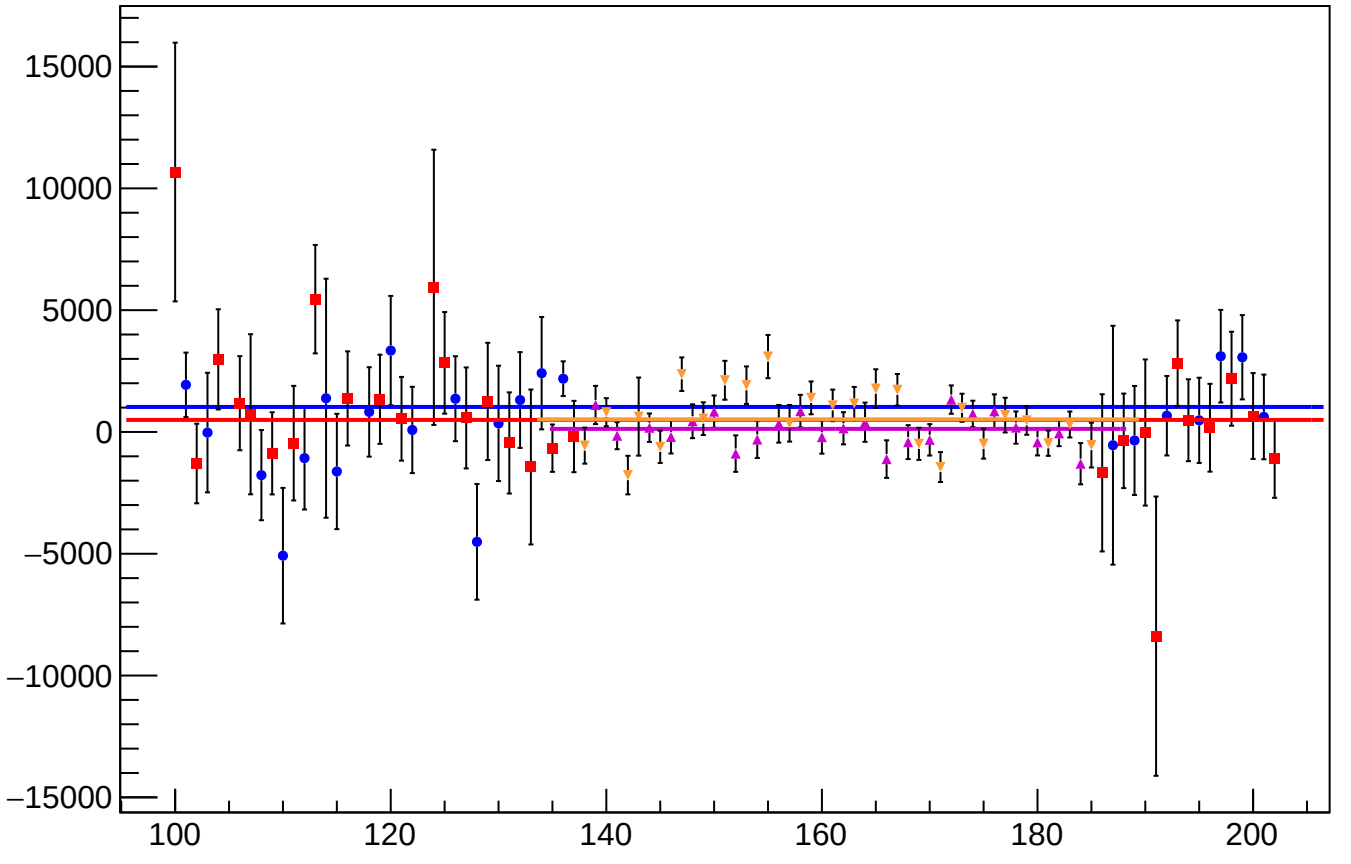
Right Out: 1278.761+/-0.242 χ^2/NDF: 470376.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730348.4/47

All: 1252.584+/-0.111 χ^2/NDF: 1260248.6/99

- sign 1252.430+/-0.156 χ^2/NDF: 529898.2/51



Right In: 1026.648+/-367.611 χ^2/NDF: 23.2/22

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

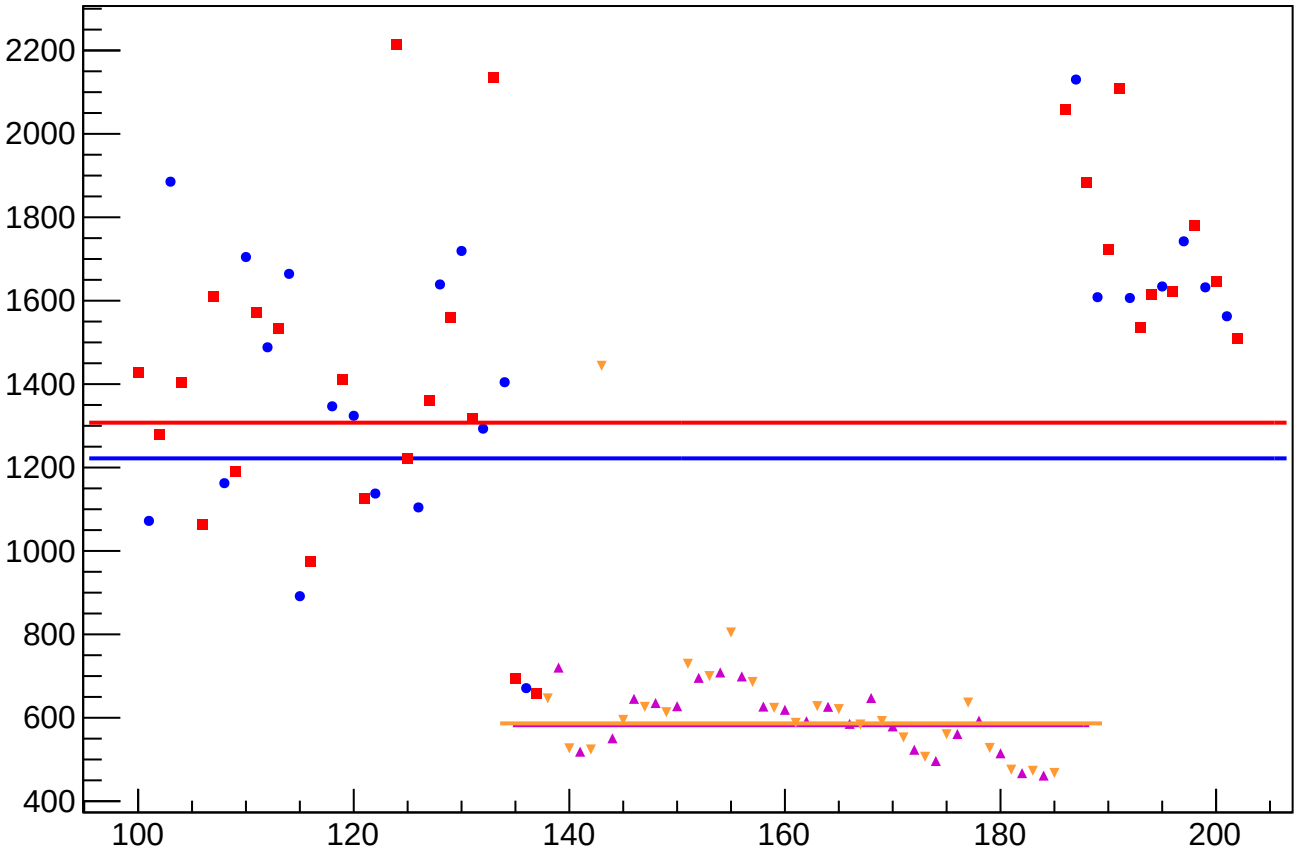
Right Out: 494.846+/-361.782 χ^2/NDF: 23.8/28

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 577.972+/-127.341 χ^2/NDF: 91.9/47

All: 377.024+/-90.395 χ^2/NDF: 143.3/99

- sign 172.914+/-128.339 χ^2/NDF: 46.3/51



Right In: 1221.964+/-0.260 χ^2/NDF: 2396614.3/22

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

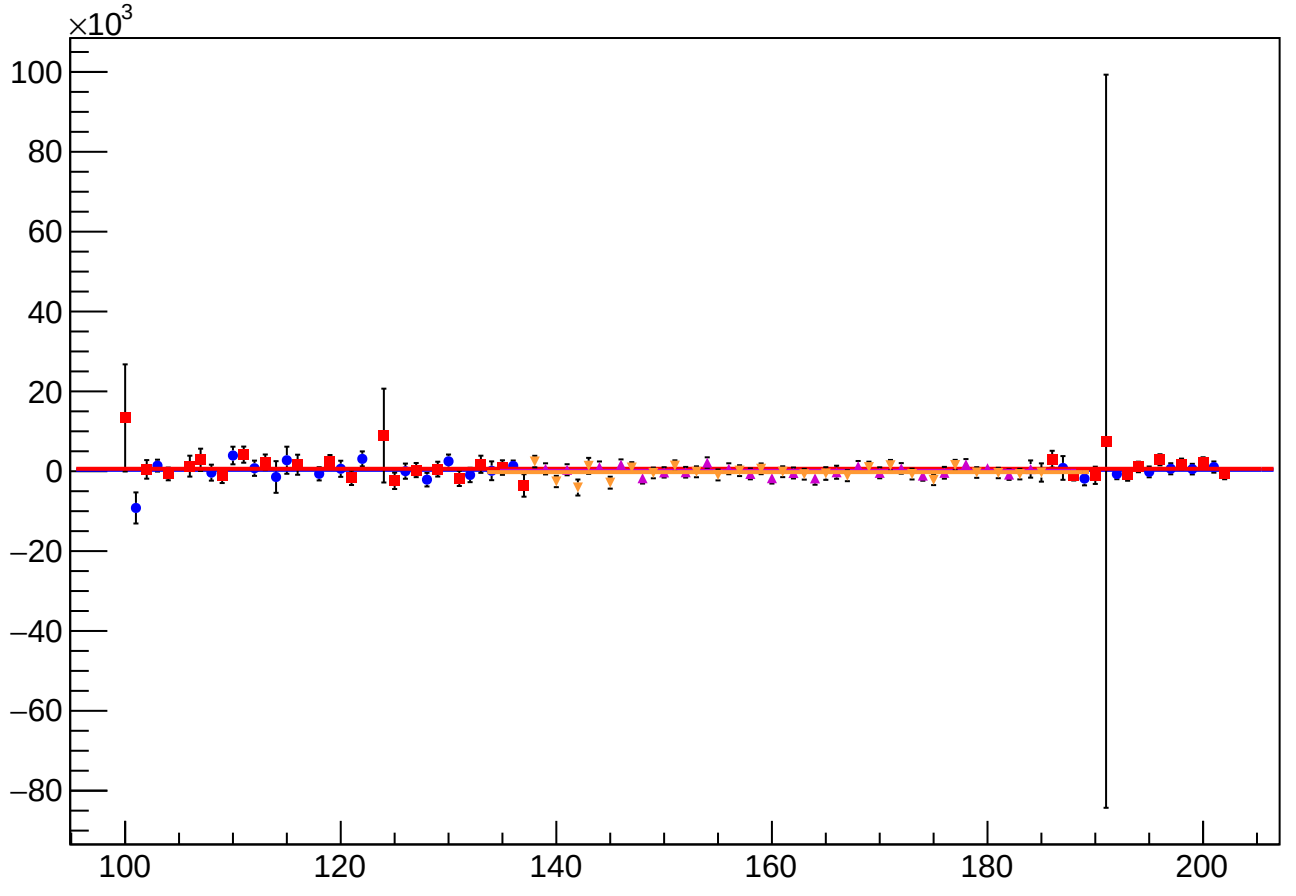
Right Out: 1307.558+/-0.256 χ^2/NDF: 2350254.8/28

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 662.803+/-0.090 χ^2/NDF: 8857797.8/47

All: 668.096+/-0.064 χ^2/NDF: 18802462.0/99

- sign 673.472+/-0.091 χ^2/NDF: 9937699.7/51



Right In: 350.182+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 616.661+/-342.503 χ^2/NDF: 27.0/28

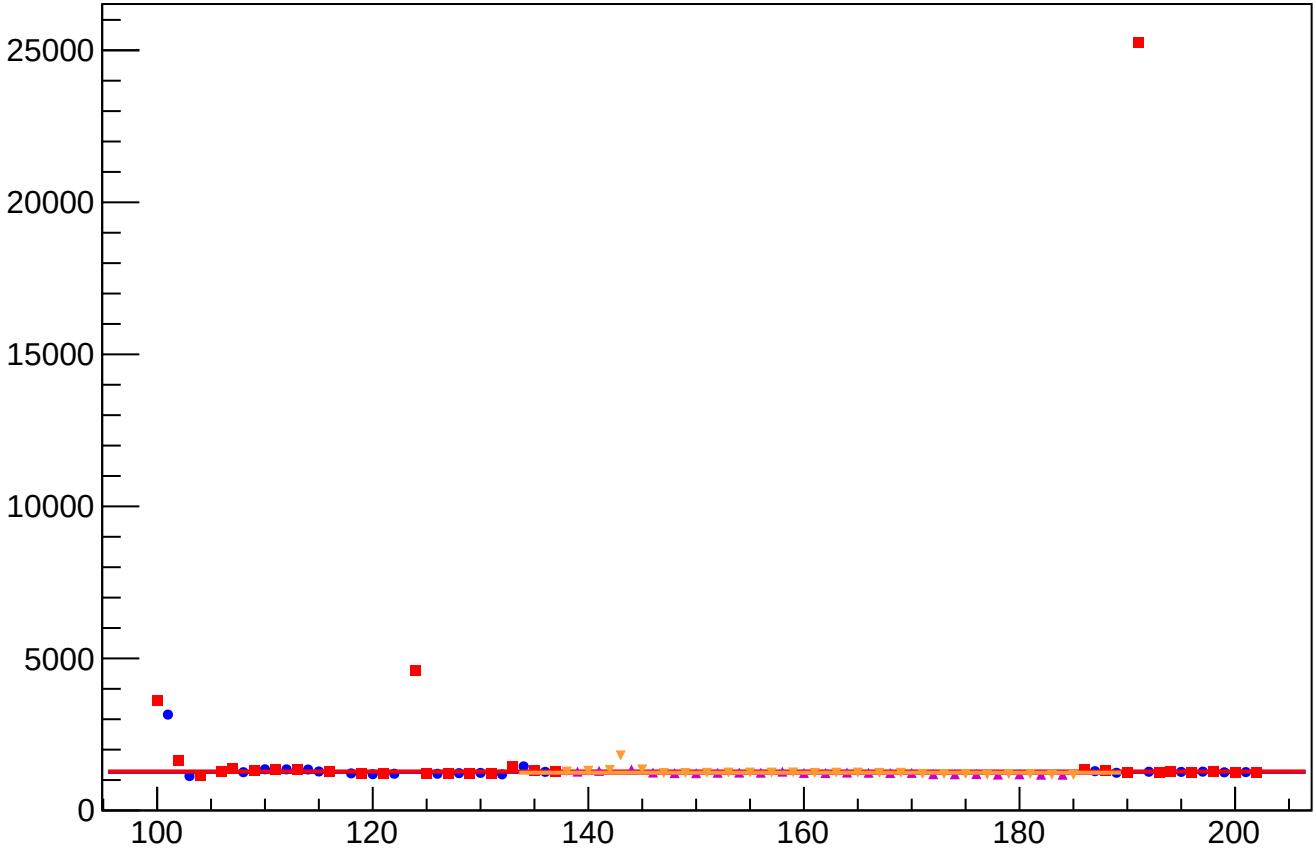
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -6.565+/-223.746 χ^2/NDF: 45.5/47

All: 153.901+/-157.062 χ^2/NDF: 89.6/99

- sign 309.781+/-220.526 χ^2/NDF: 43.1/51

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1269.262+/-0.258 χ^2/NDF: 520505.1/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

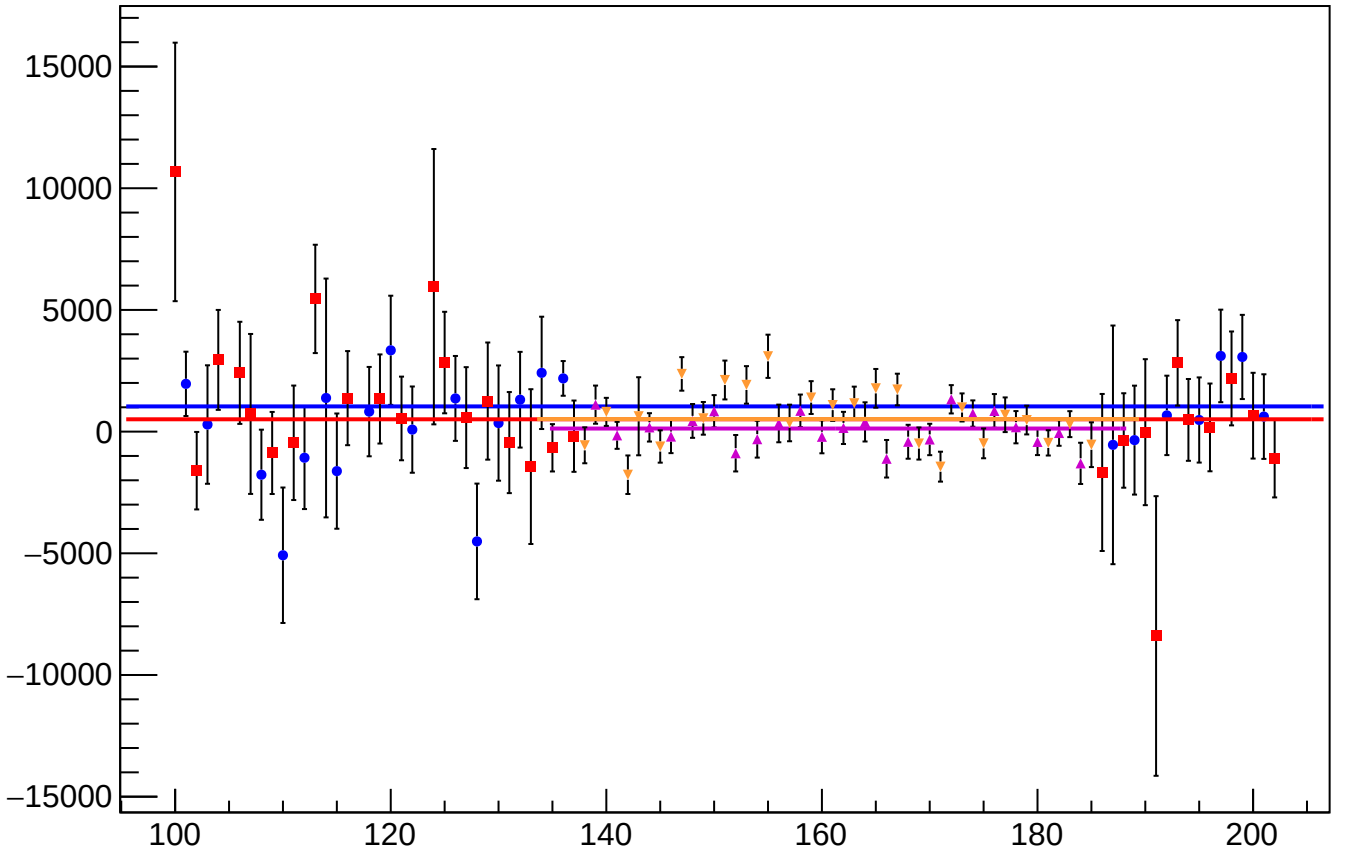
Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730349.8/47

All: 1252.817+/-0.111 χ^2/NDF: 1268098.1/99

- sign 1252.889+/-0.156 χ^2/NDF: 537747.9/51



Right In: 1035.835+/-367.497 χ^2/NDF: 23.2/22

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

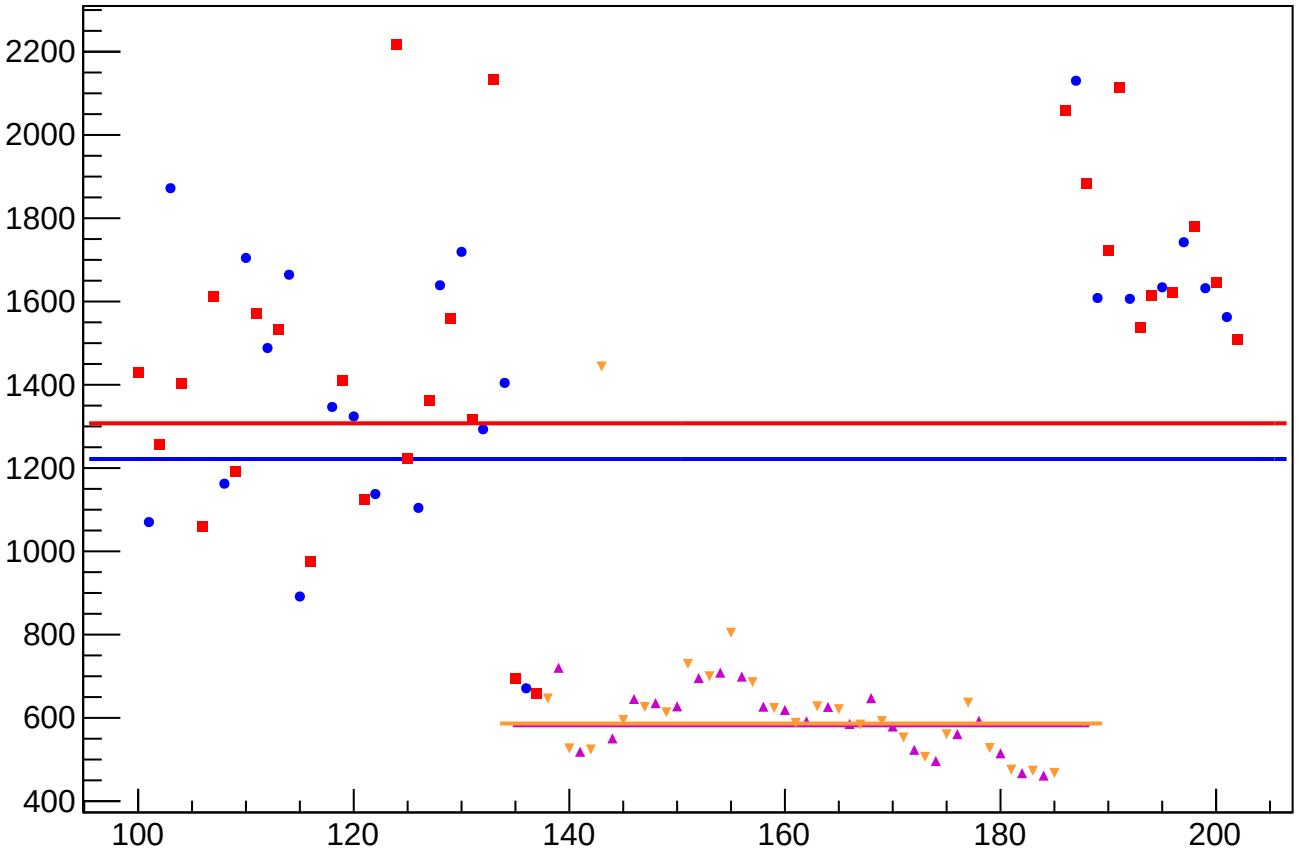
Right Out: 506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 579.126+/-127.337 χ^2/NDF: 91.9/47

All: 378.308+/-90.401 χ^2/NDF: 144.5/99

\- sign 174.252+/-128.360 χ^2/NDF: 47.6/51



Right In: 1221.736+/-0.260 χ^2/NDF: 2393881.7/22

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

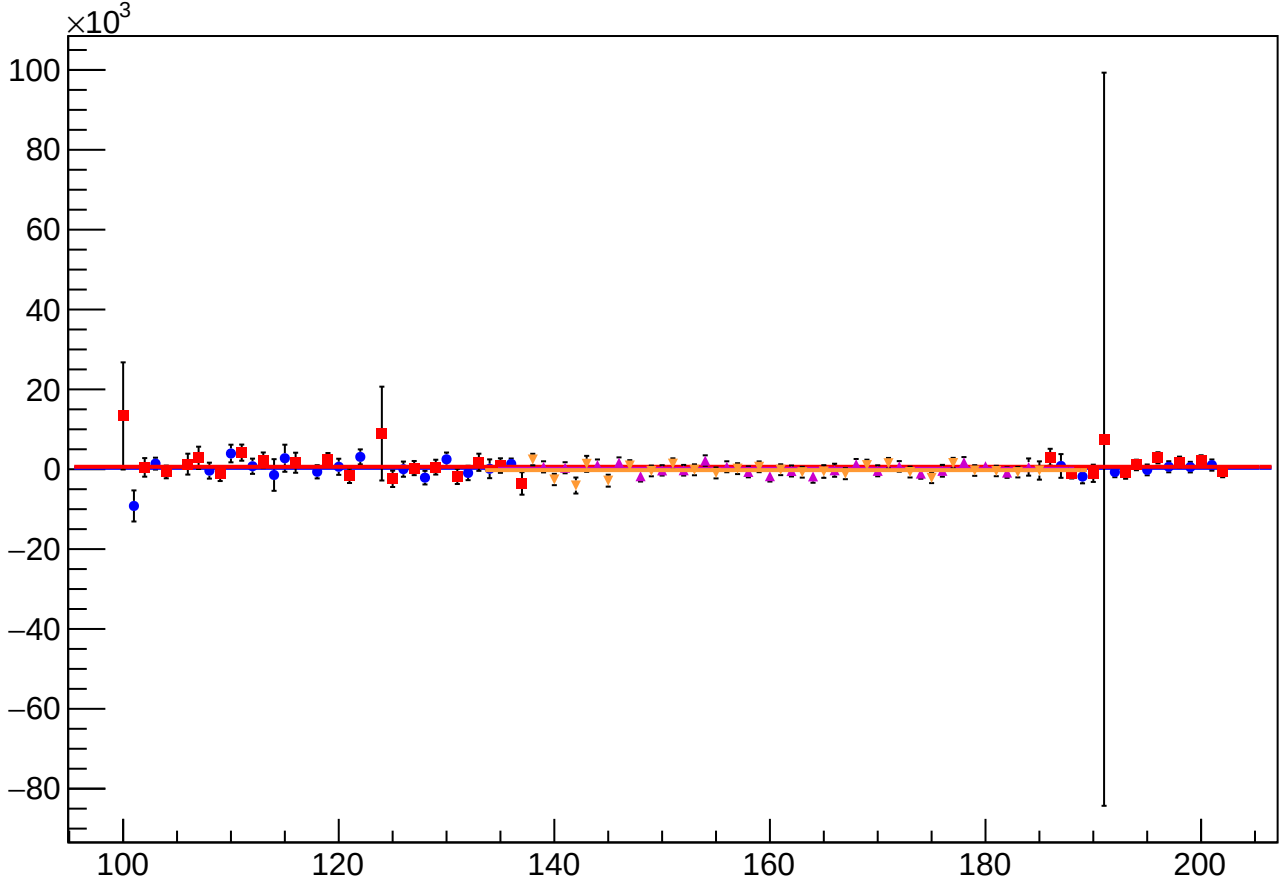
Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 662.822+/-0.090 χ^2/NDF: 8853967.9/47

All: 667.997+/-0.064 χ^2/NDF: 18779183.9/99

- sign 673.255+/-0.091 χ^2/NDF: 9918556.2/51



Right In: 350.182+/-365.300 χ^2/NDF: 20.1/22

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 616.661+/-342.503 χ^2/NDF: 27.0/28

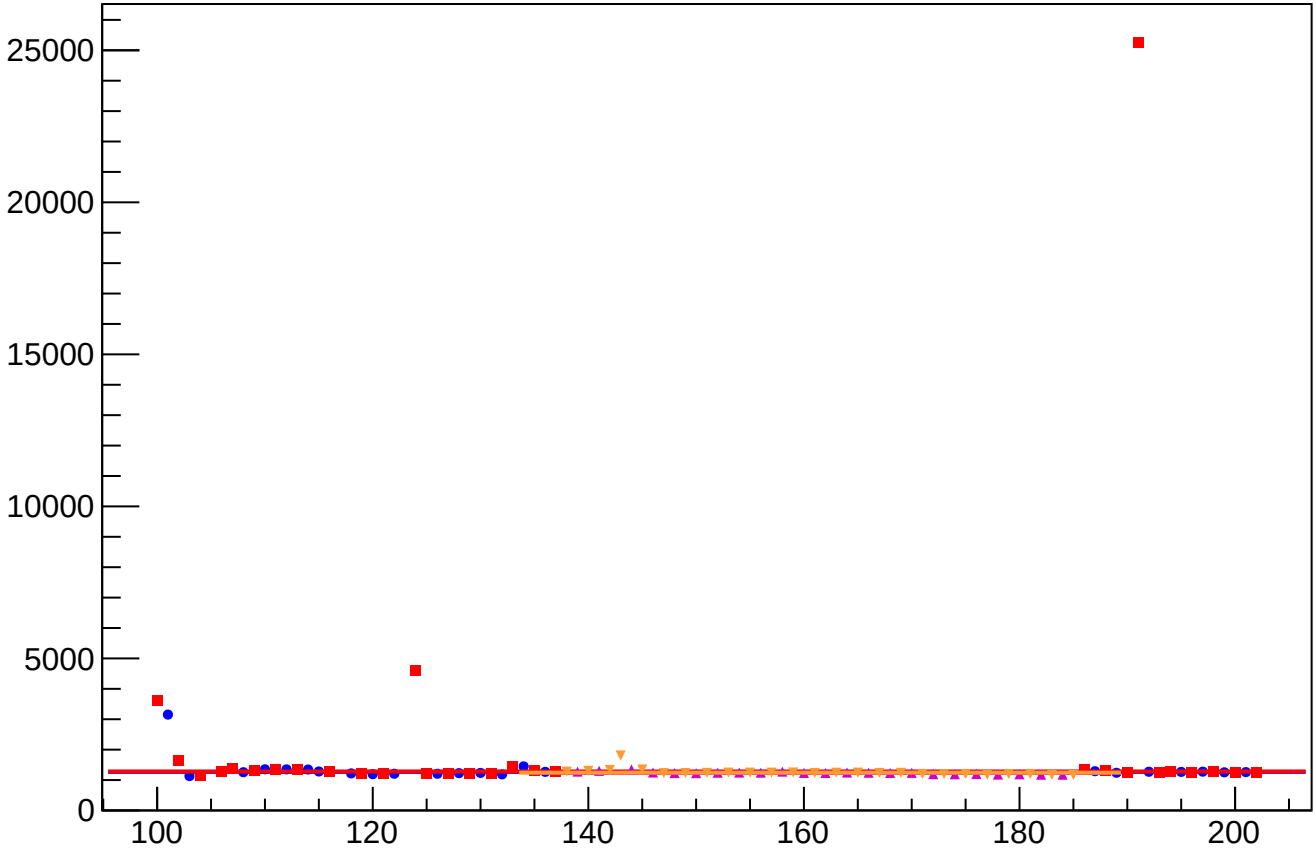
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -6.565+/-223.746 χ^2/NDF: 45.5/47

All: 153.901+/-157.062 χ^2/NDF: 89.6/99

- sign 309.781+/-220.526 χ^2/NDF: 43.1/51

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1269.262+/-0.258 χ^2/NDF: 520505.1/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

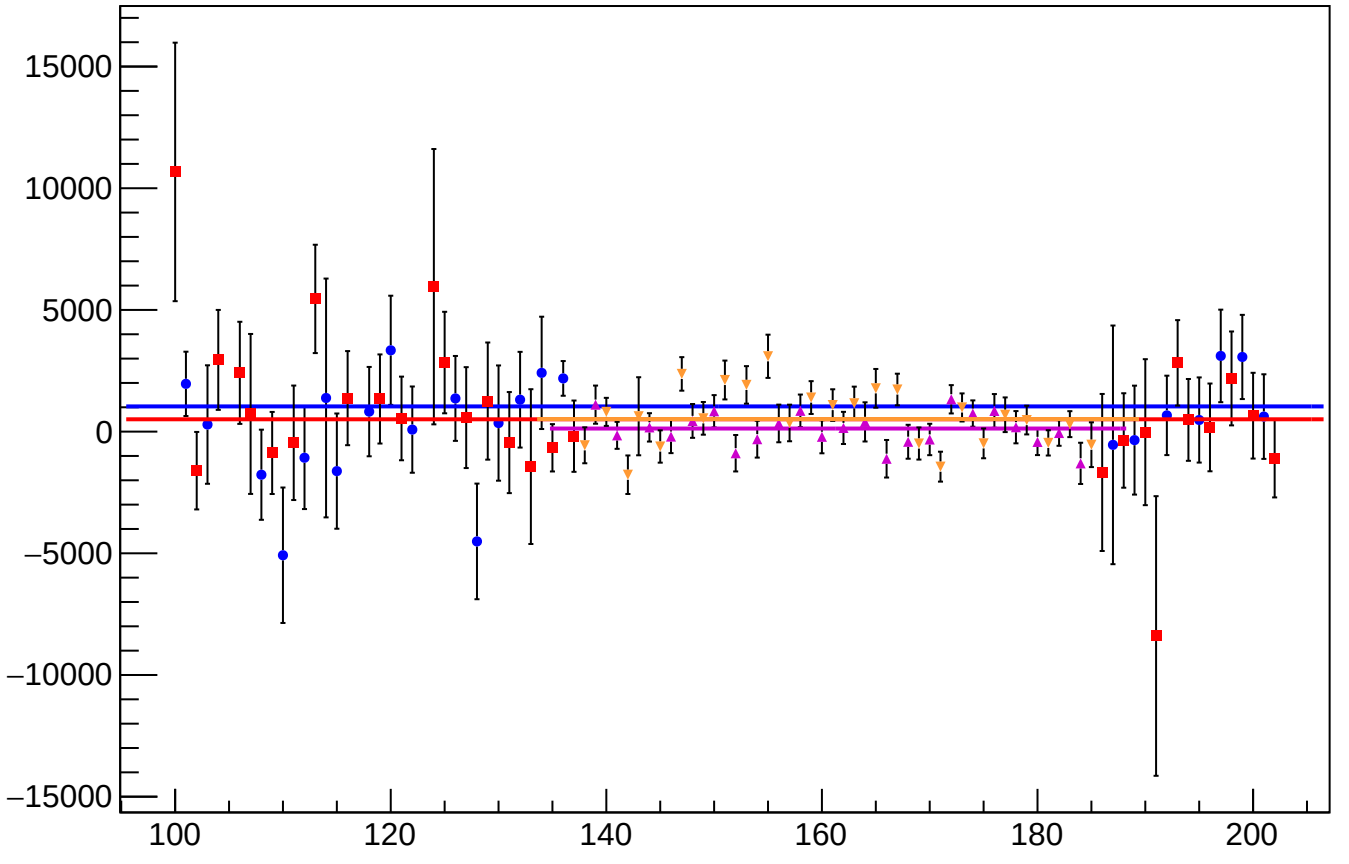
Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730349.8/47

All: 1252.817+/-0.111 χ^2/NDF: 1268098.1/99

- sign 1252.889+/-0.156 χ^2/NDF: 537747.9/51



Right In: 1035.835+/-367.497 χ^2/NDF: 23.2/22

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

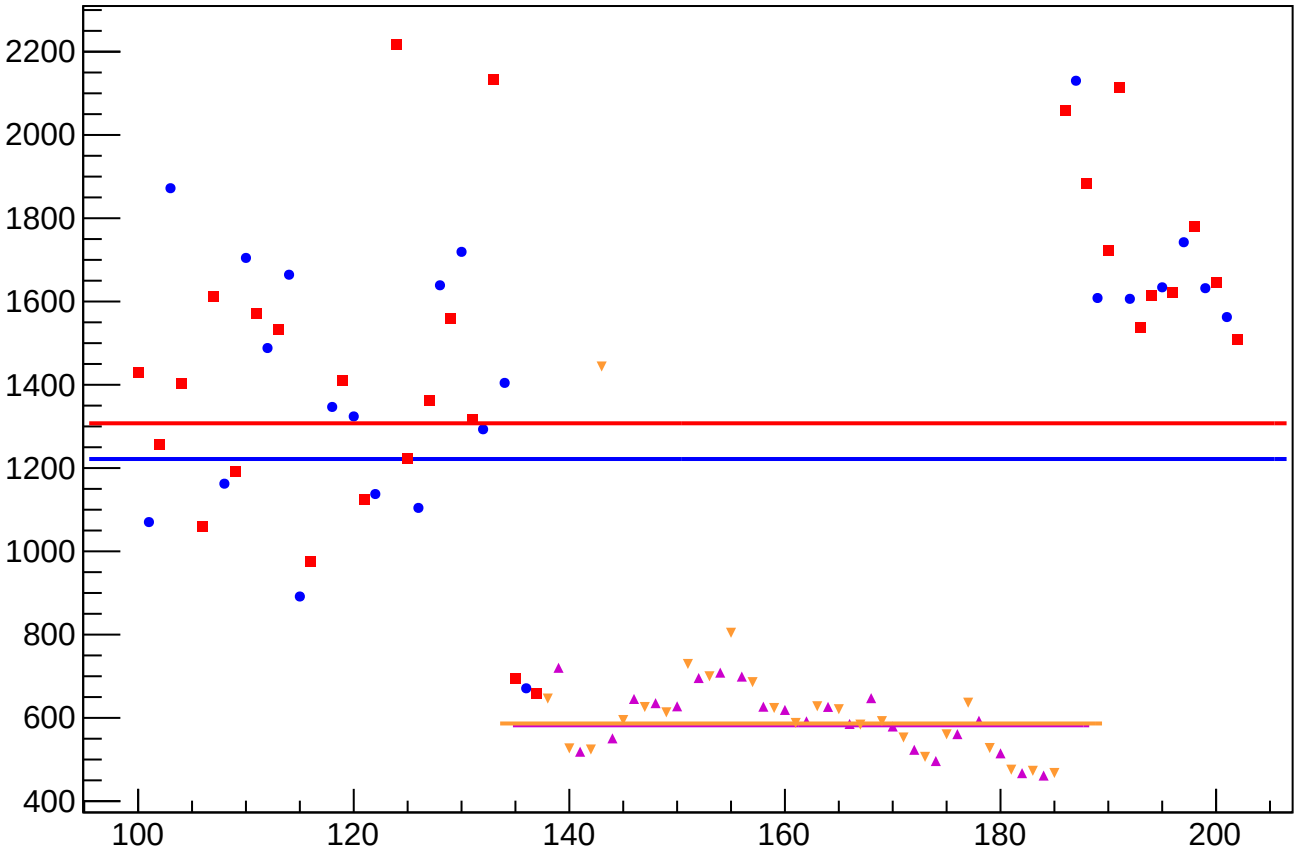
Right Out: 506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 579.126+/-127.337 χ^2/NDF: 91.9/47

All: 378.308+/-90.401 χ^2/NDF: 144.5/99

\- sign 174.252+/-128.360 χ^2/NDF: 47.6/51



Right In: 1221.736+/-0.260 χ^2/NDF: 2393881.7/22

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

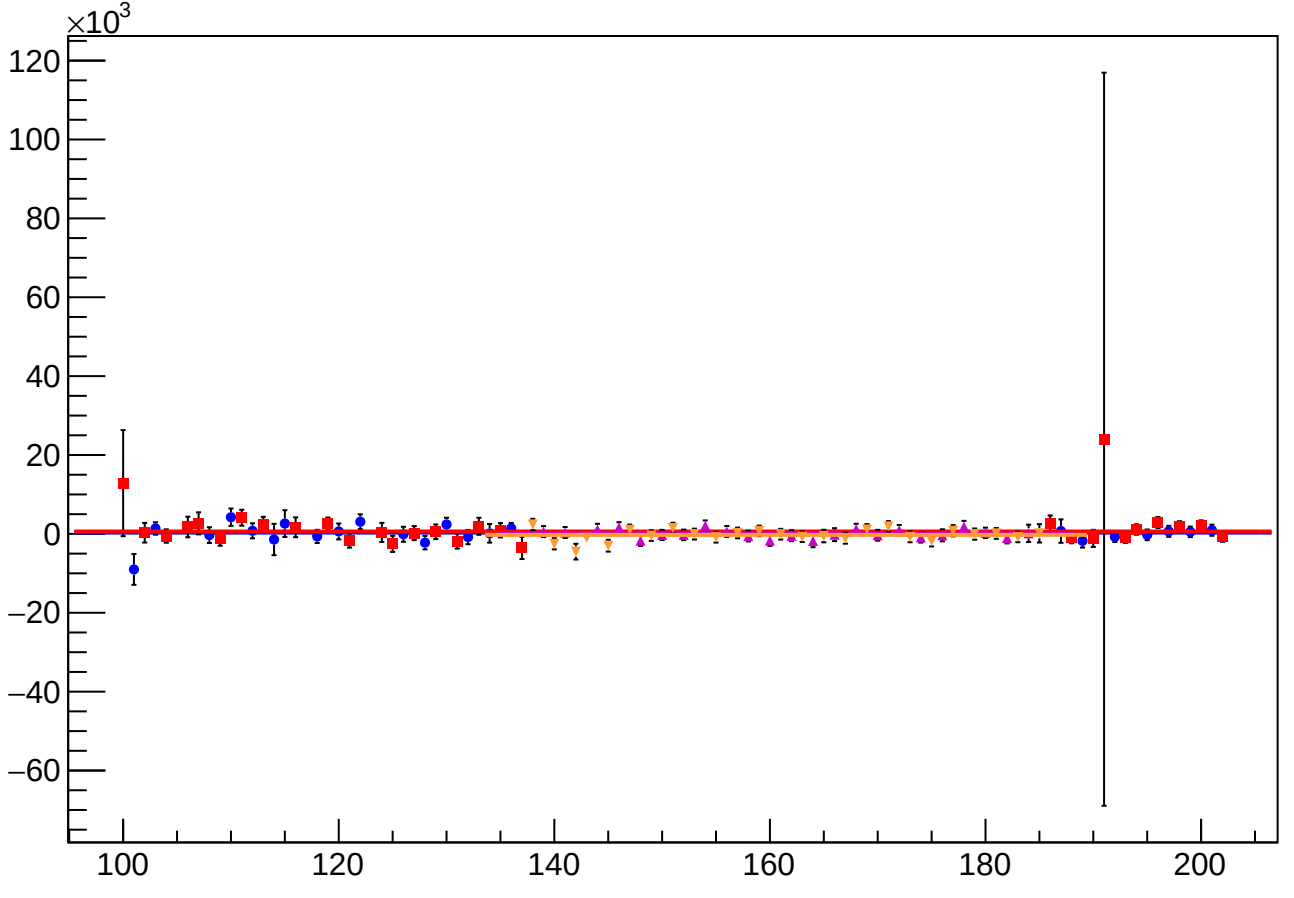
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 662.822+/-0.090 χ^2/NDF: 8853967.9/47

All: 667.997+/-0.064 χ^2/NDF: 18779183.9/99

- sign 673.255+/-0.091 χ^2/NDF: 9918556.2/51

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 336.141+/-366.892 χ^2/NDF: 20.0/22

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 607.818+/-341.280 χ^2/NDF: 26.5/28

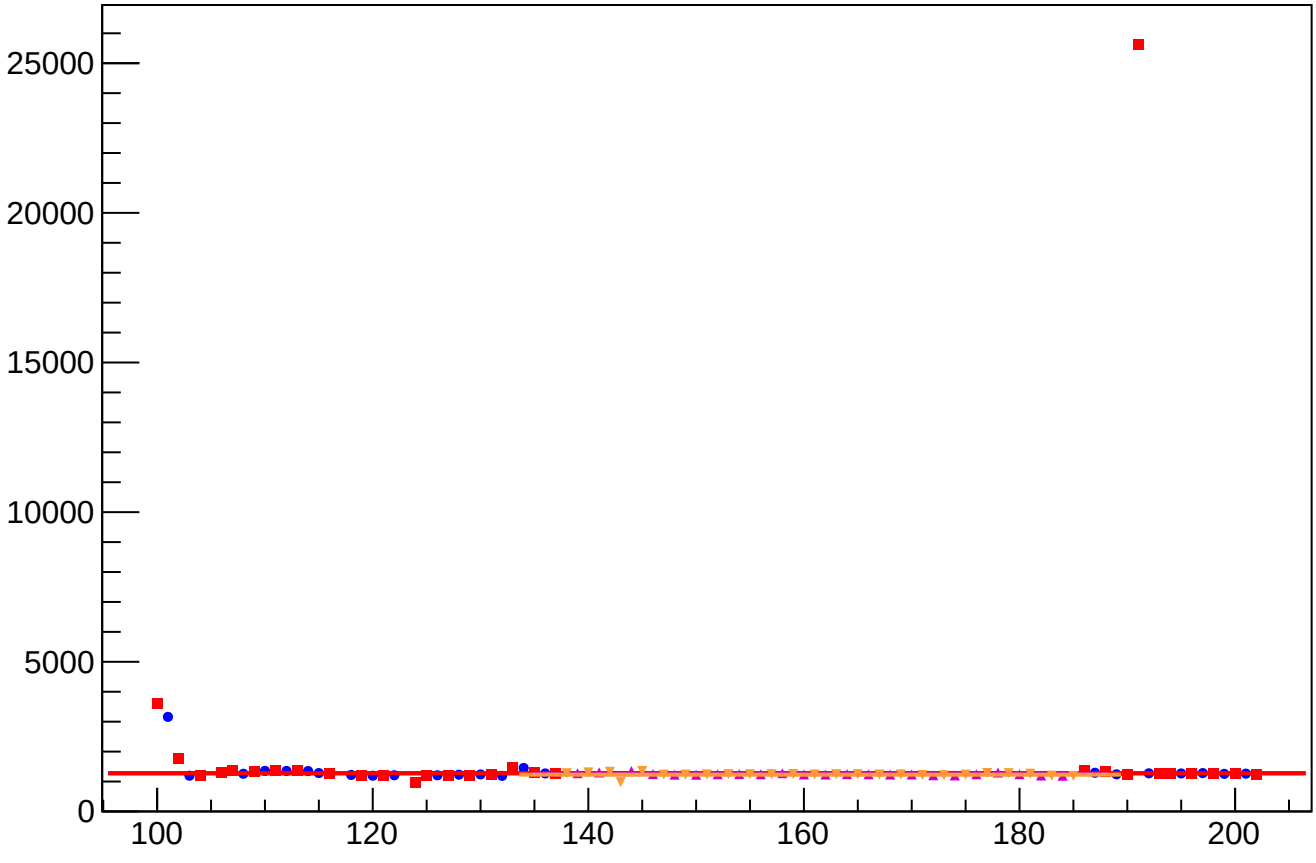
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -34.878+/-222.547 χ^2/NDF: 45.7/47

All: 133.071+/-157.040 χ^2/NDF: 88.7/99

- sign 299.645+/-221.634 χ^2/NDF: 41.9/51

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1275.075+/-0.259 χ^2/NDF: 508917.7/22

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

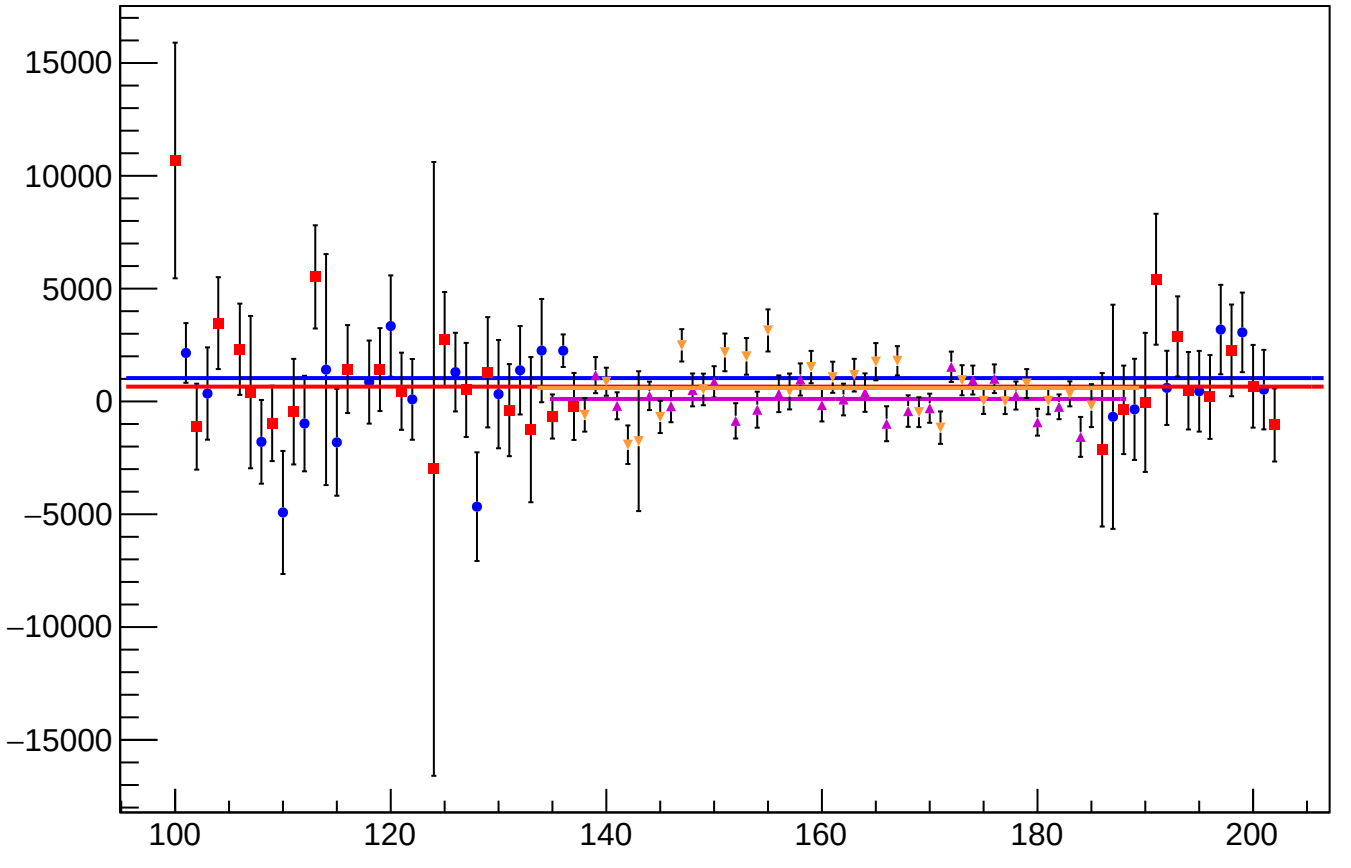
Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.3/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.576+/-0.157 χ^2/NDF: 669617.8/47

All: 1253.486+/-0.111 χ^2/NDF: 1079522.6/99

- sign 1260.339+/-0.157 χ^2/NDF: 406064.3/51



Right In: 1034.739+/-368.861 χ^2/NDF: 23.7/22

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

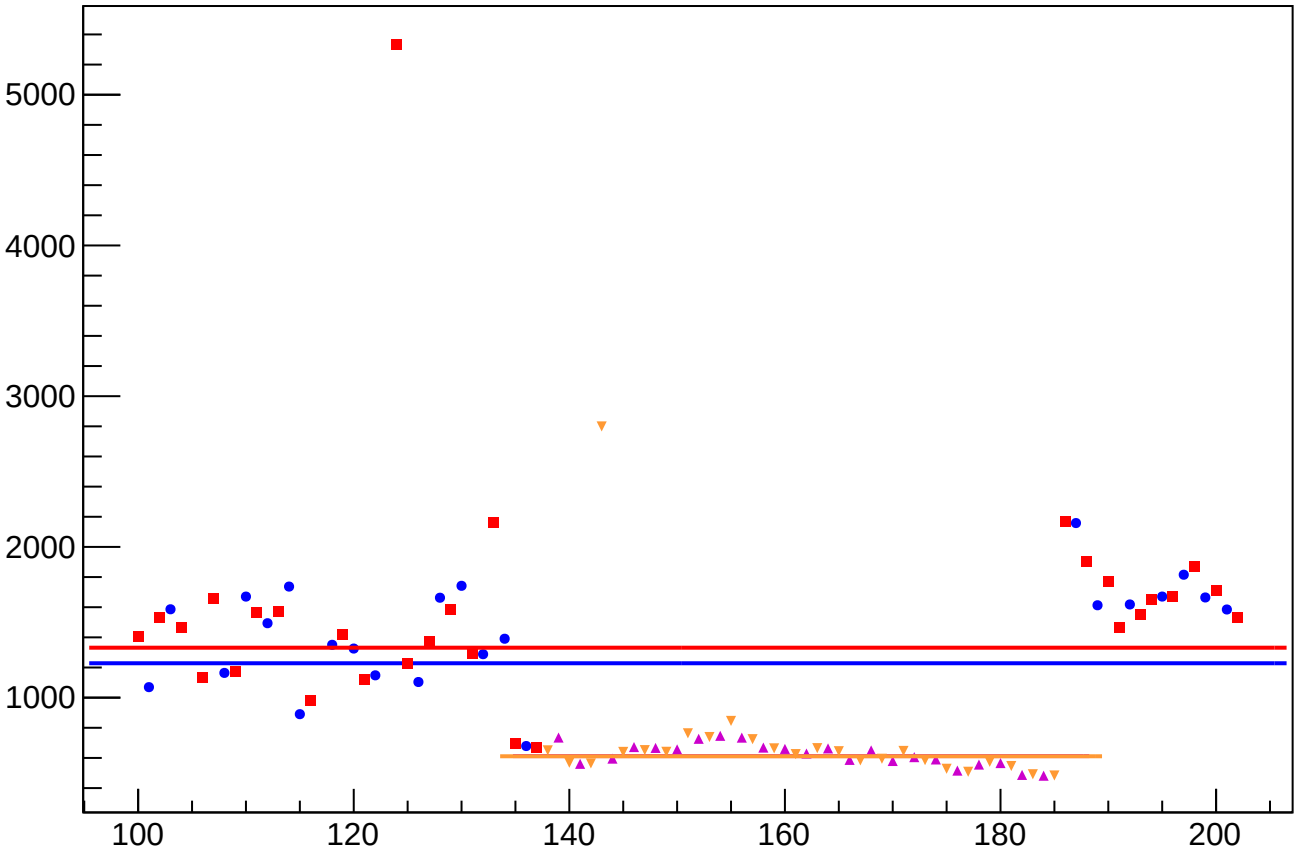
Right Out: 656.432+/-366.987 χ^2/NDF: 24.2/28

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 651.849+/-132.625 χ^2/NDF: 82.3/47

All: 420.418+/-94.345 χ^2/NDF: 140.3/99

- sign 183.329+/-134.237 χ^2/NDF: 51.8/51



Right In: 1228.185+/-0.261 χ^2/NDF: 2335879.3/22

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

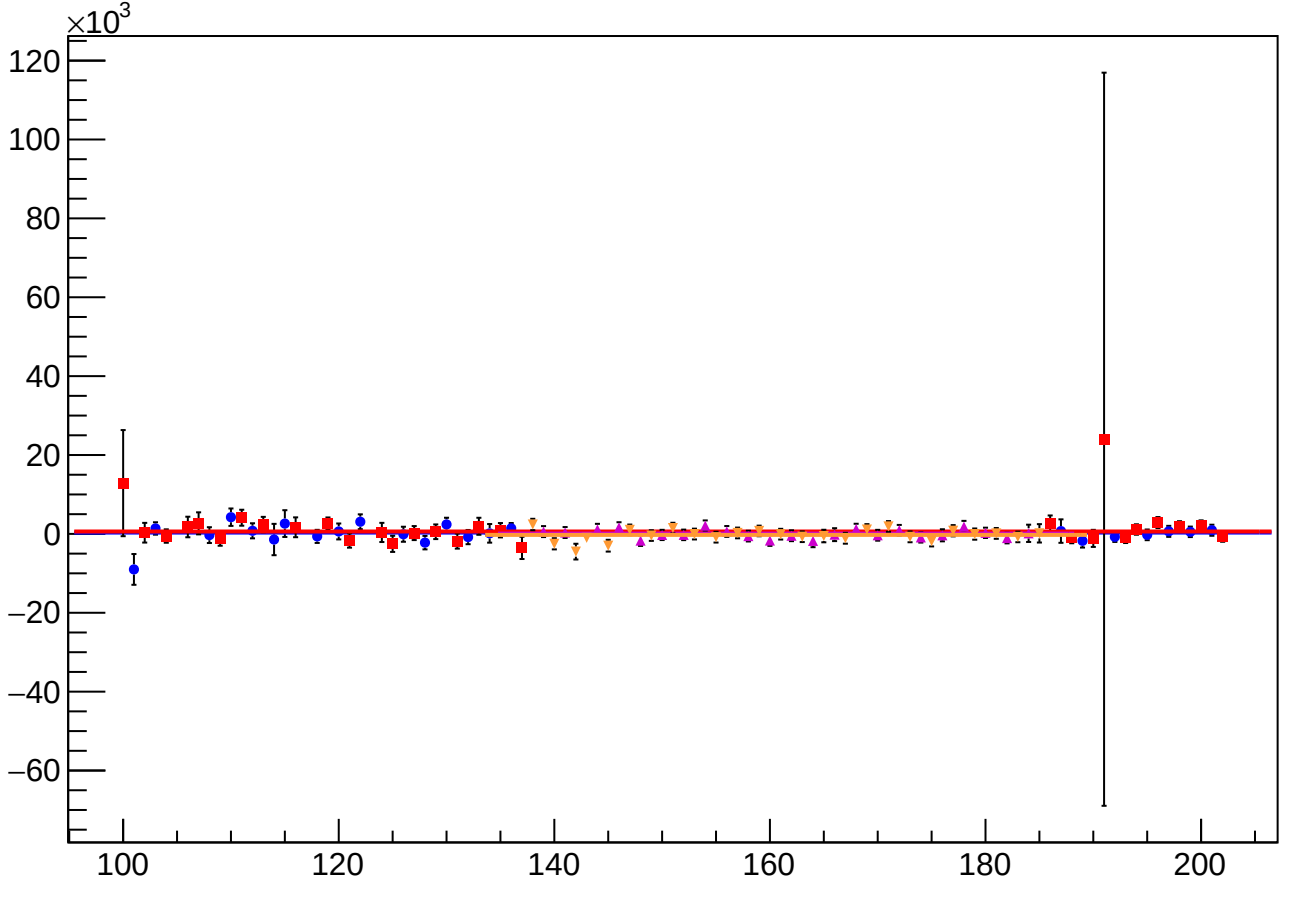
Right Out: 1331.392+/-0.259 χ^2/NDF: 2561643.1/28

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 690.864+/-0.094 χ^2/NDF: 8829268.4/47

All: 699.624+/-0.067 χ^2/NDF: 18566801.1/99

- sign 708.597+/-0.095 χ^2/NDF: 9719870.9/51



Right In: 336.142+/-366.892 χ^2/NDF: 20.0/22

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 607.819+/-341.280 χ^2/NDF: 26.5/28

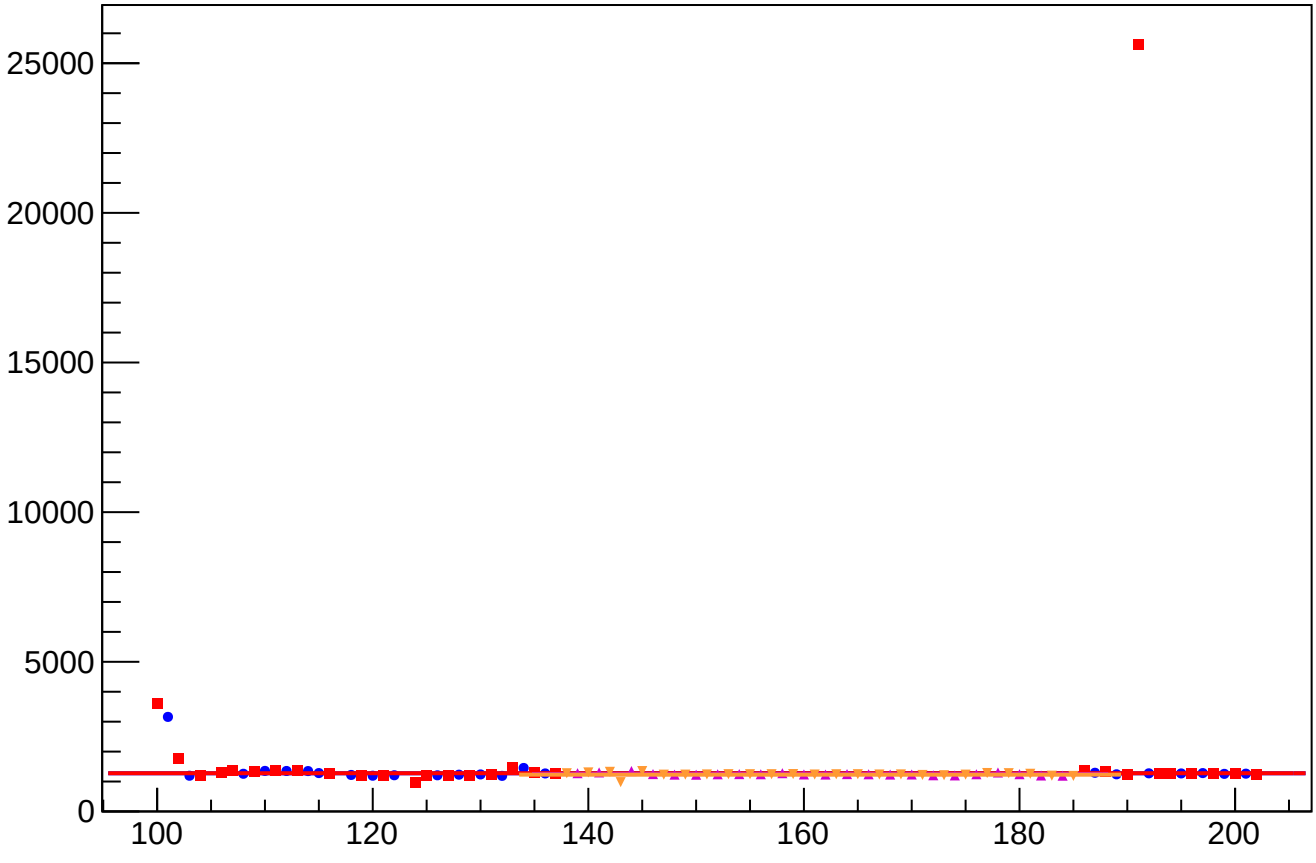
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign -34.879+/-222.547 χ^2/NDF: 45.7/47

All: 133.071+/-157.040 χ^2/NDF: 88.7/99

\- sign 299.645+/-221.634 χ^2/NDF: 41.9/51

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1275.075+/-0.259 χ^2/NDF: 508917.8/22

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

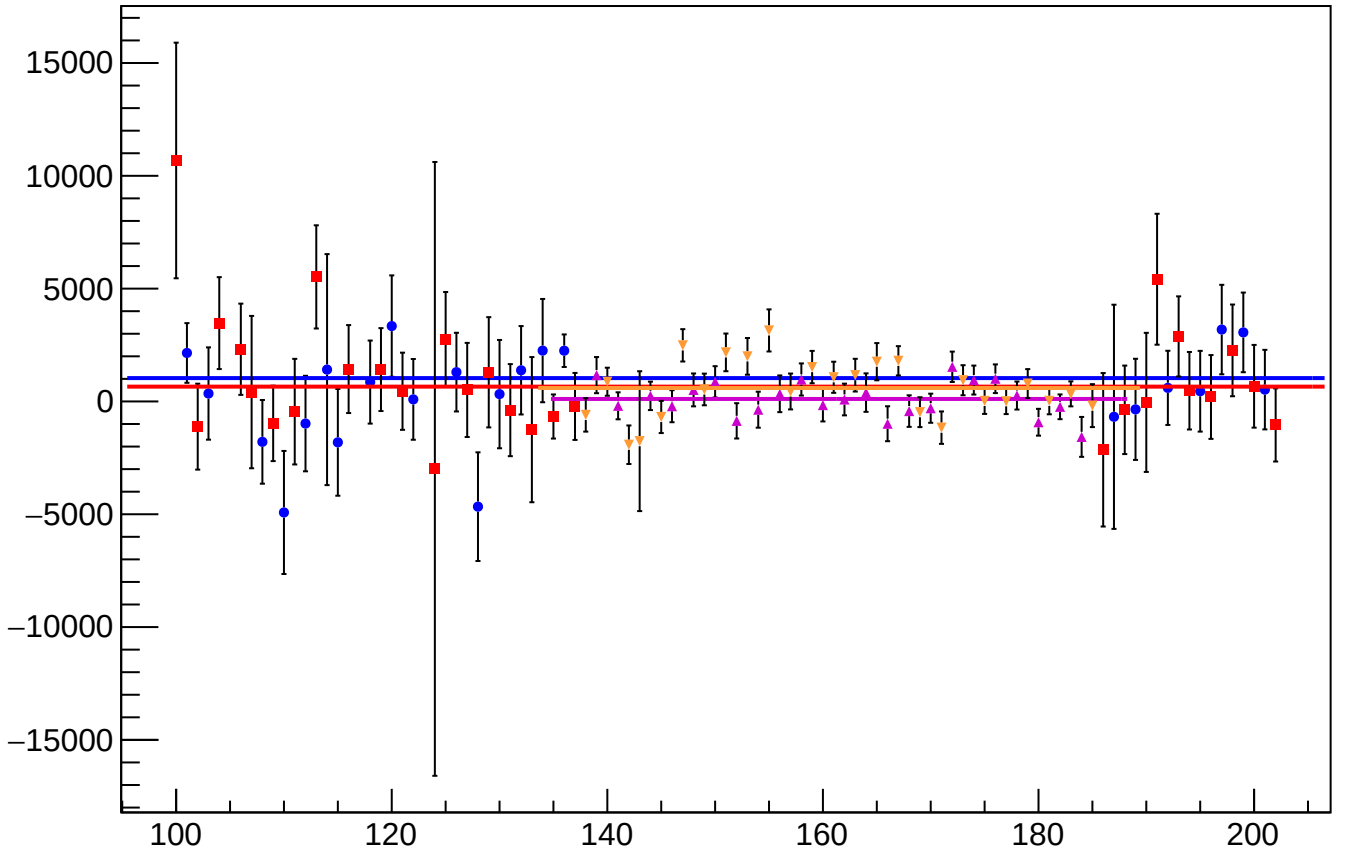
Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.2/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.576+/-0.157 χ^2/NDF: 669616.9/47

All: 1253.486+/-0.111 χ^2/NDF: 1079521.6/99

- sign 1260.339+/-0.157 χ^2/NDF: 406064.2/51



Right In: 1034.736+/-368.862 χ^2/NDF: 23.7/22

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

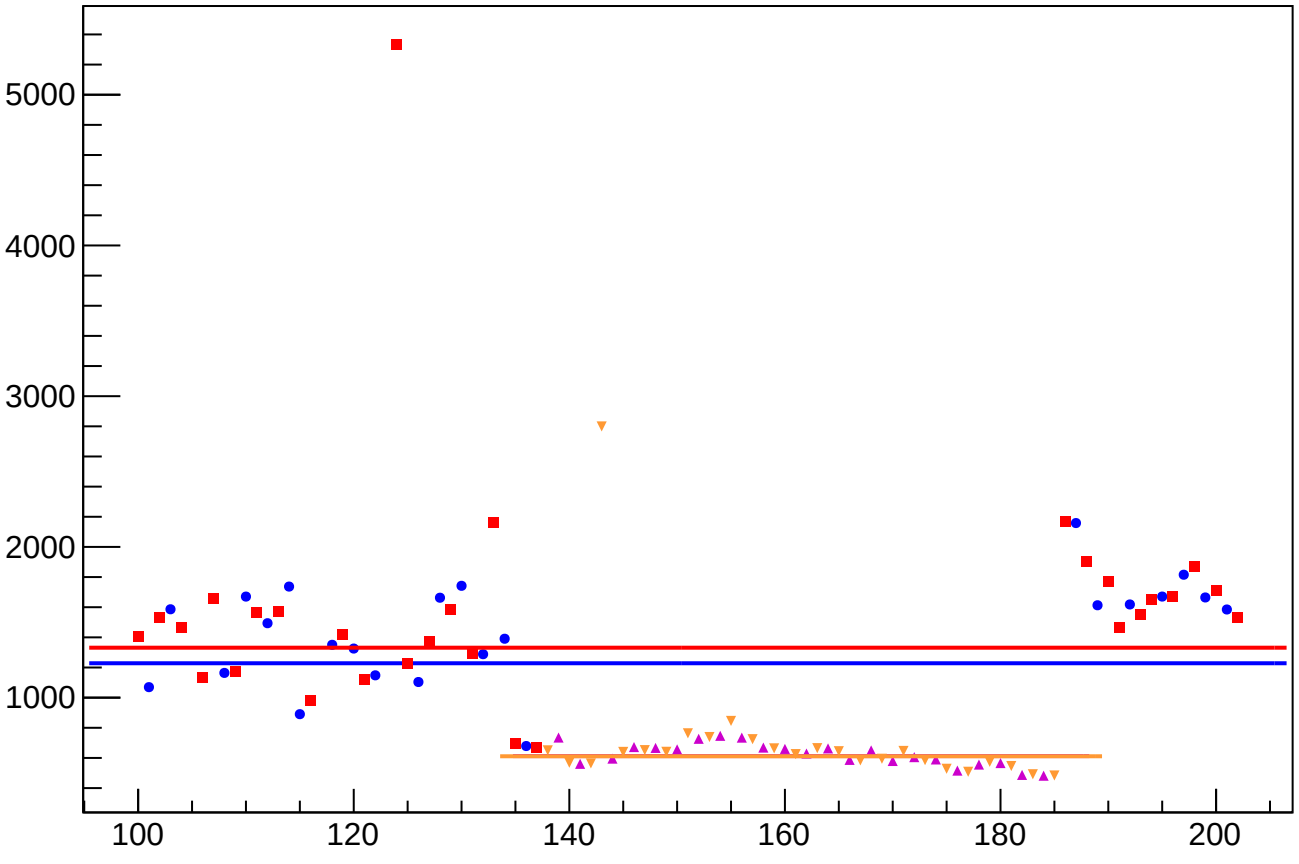
Right Out: 656.442+/-366.988 χ^2/NDF: 24.2/28

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 651.848+/-132.625 χ^2/NDF: 82.3/47

All: 420.418+/-94.345 χ^2/NDF: 140.3/99

- sign 183.329+/-134.237 χ^2/NDF: 51.8/51



Right In: 1228.190+/-0.261 χ^2/NDF: 2335800.8/22

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1331.398+/-0.259 χ^2/NDF: 2561563.7/28

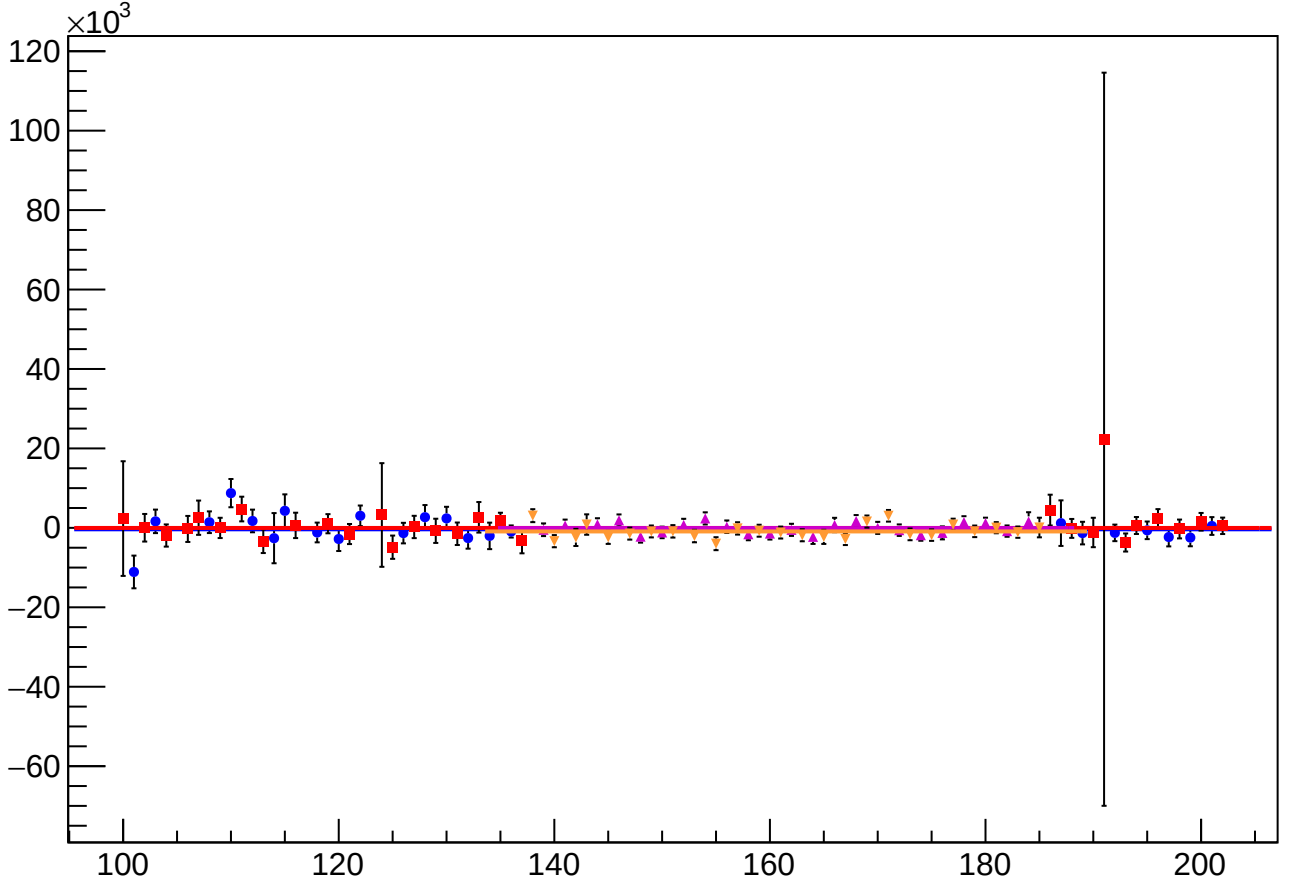
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 690.864+/-0.094 χ^2/NDF: 8829257.5/47

All: 699.624+/-0.067 χ^2/NDF: 18566802.3/99

- sign 708.597+/-0.095 χ^2/NDF: 9719884.1/51

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -363.999+/-556.927 χ^2/NDF: 23.8/22

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -24.195+/-528.888 χ^2/NDF: 16.4/28

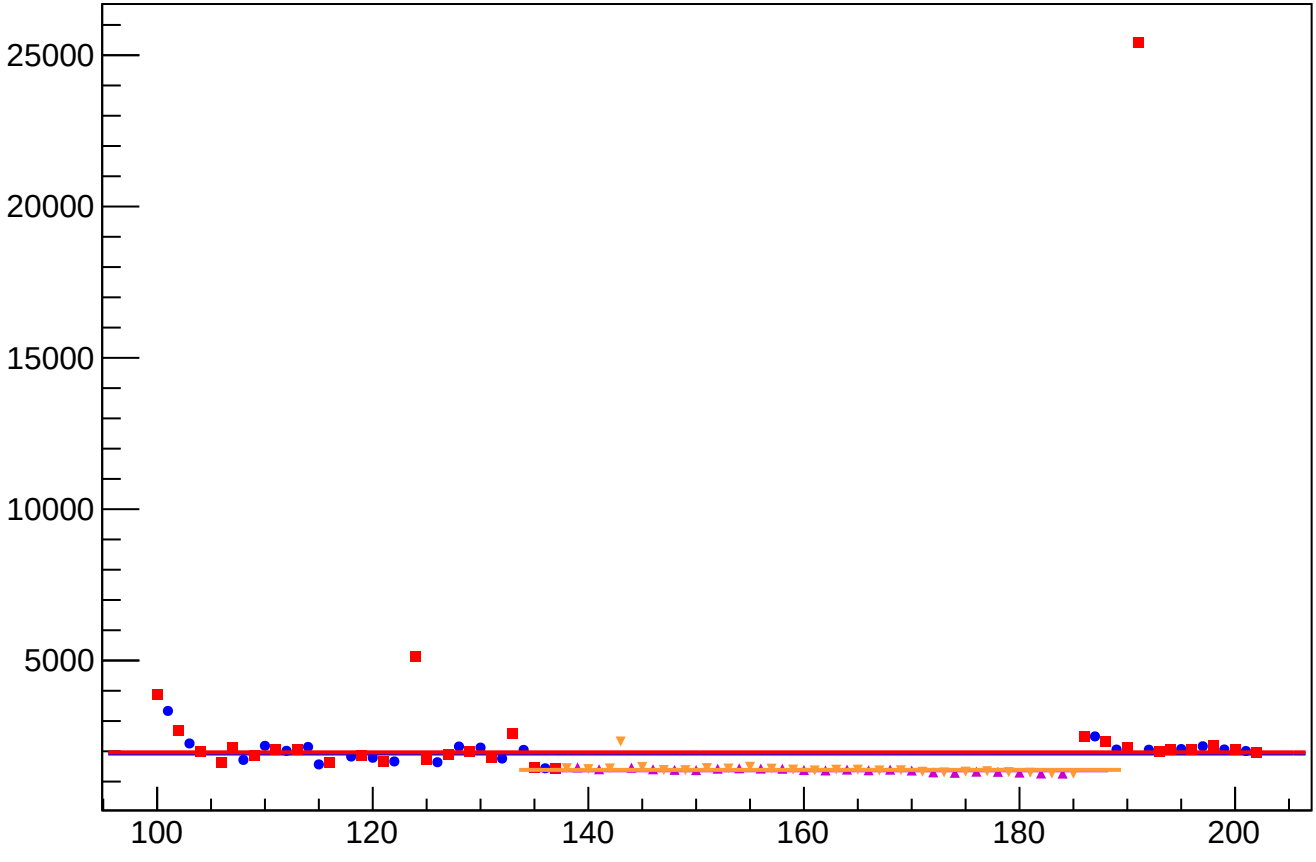
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -769.104+/-275.136 χ^2/NDF: 54.4/47

All: -404.397+/-194.278 χ^2/NDF: 92.1/99

- sign -41.724+/-274.368 χ^2/NDF: 34.2/51

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1927.017+/-0.394 χ^2/NDF: 658971.7/22

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

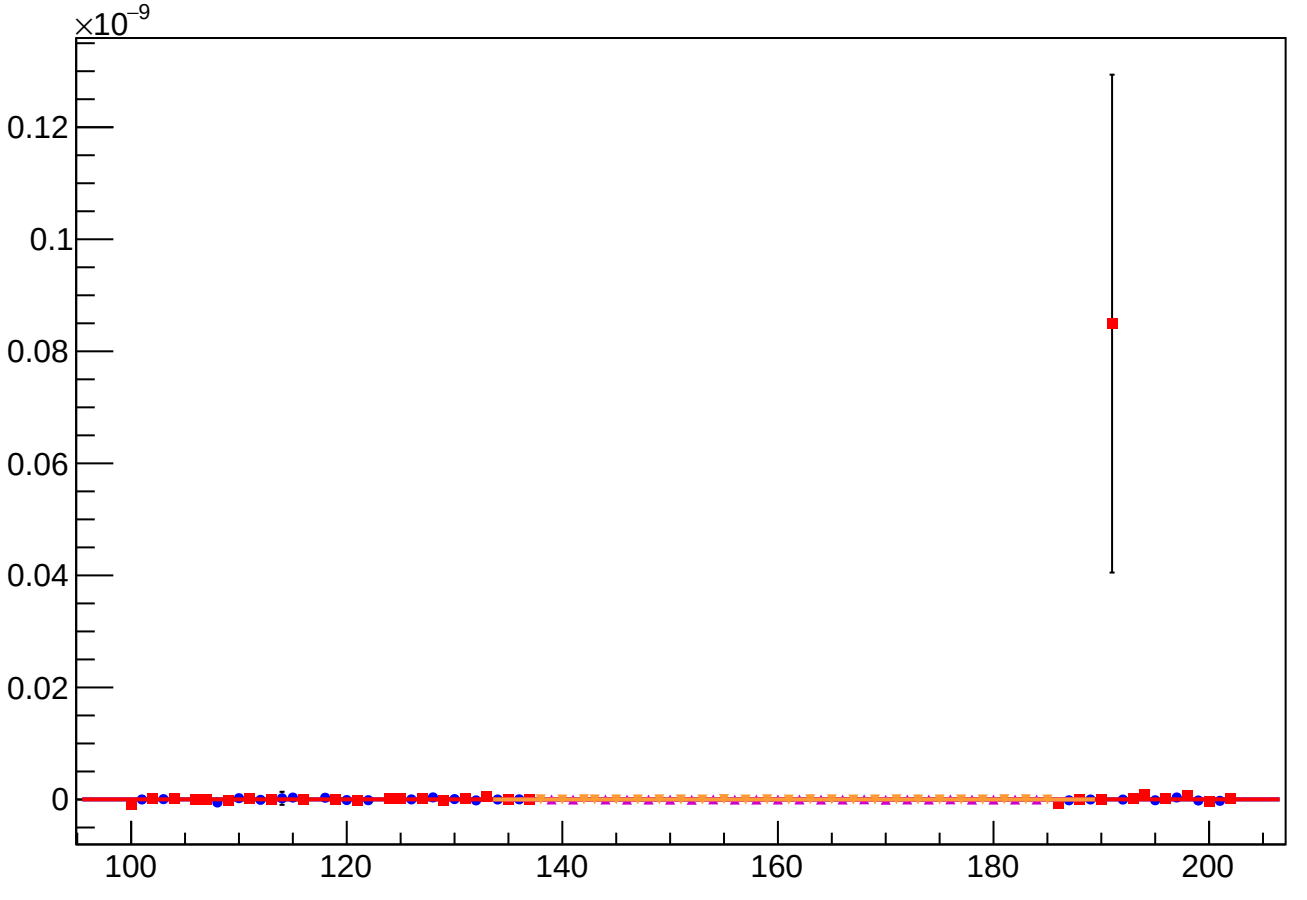
Right Out: 1966.264+/-0.374 χ^2/NDF: 814351.7/28

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1518.680+/-0.195 χ^2/NDF: 2421046.2/47

All: 1525.768+/-0.137 χ^2/NDF: 5140471.8/99

- sign 1532.817+/-0.194 χ^2/NDF: 2716778.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

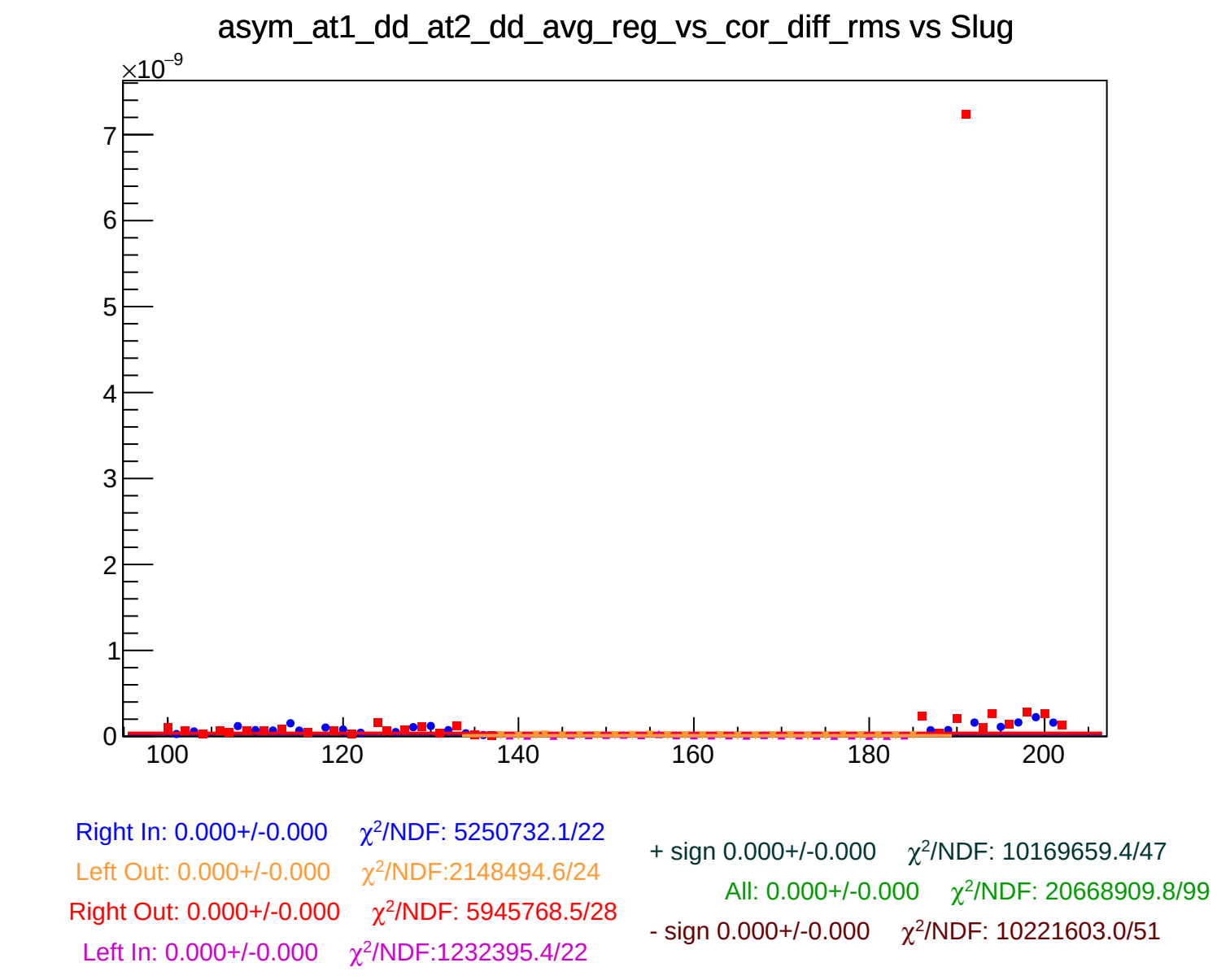
Right Out: 0.000+/-0.000 χ^2/NDF: 43.3/28

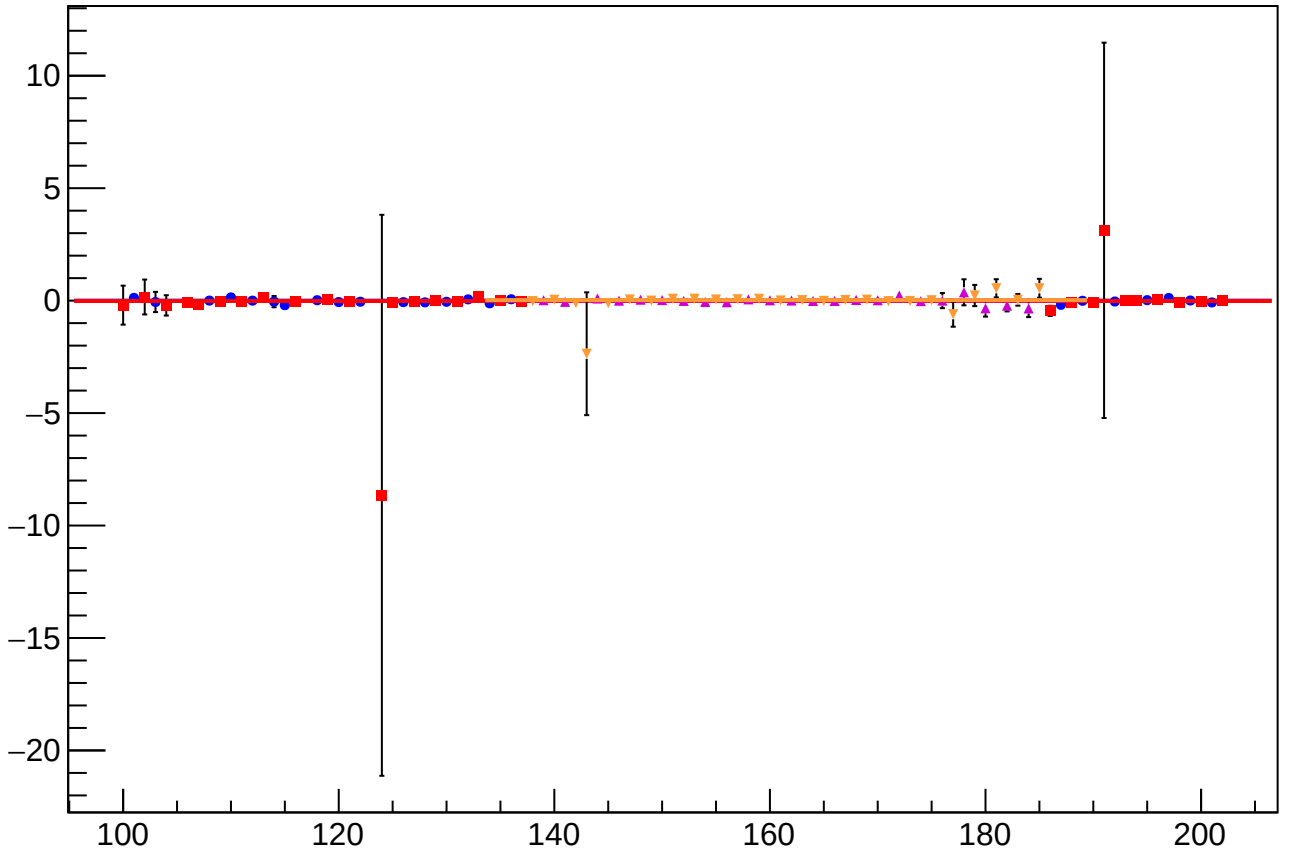
Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/47

All: 0.000+/-0.000 χ^2/NDF: 104.4/99

- sign -0.000+/-0.000 χ^2/NDF: 58.2/51


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5250732.1/22
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5945768.5/28
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 10169659.4/47
All: 0.000+/-0.000 χ²/NDF: 20668909.8/99
- sign 0.000+/-0.000 χ²/NDF: 10221603.0/51



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.016+/-0.013 χ^2/NDF: 21.5/28

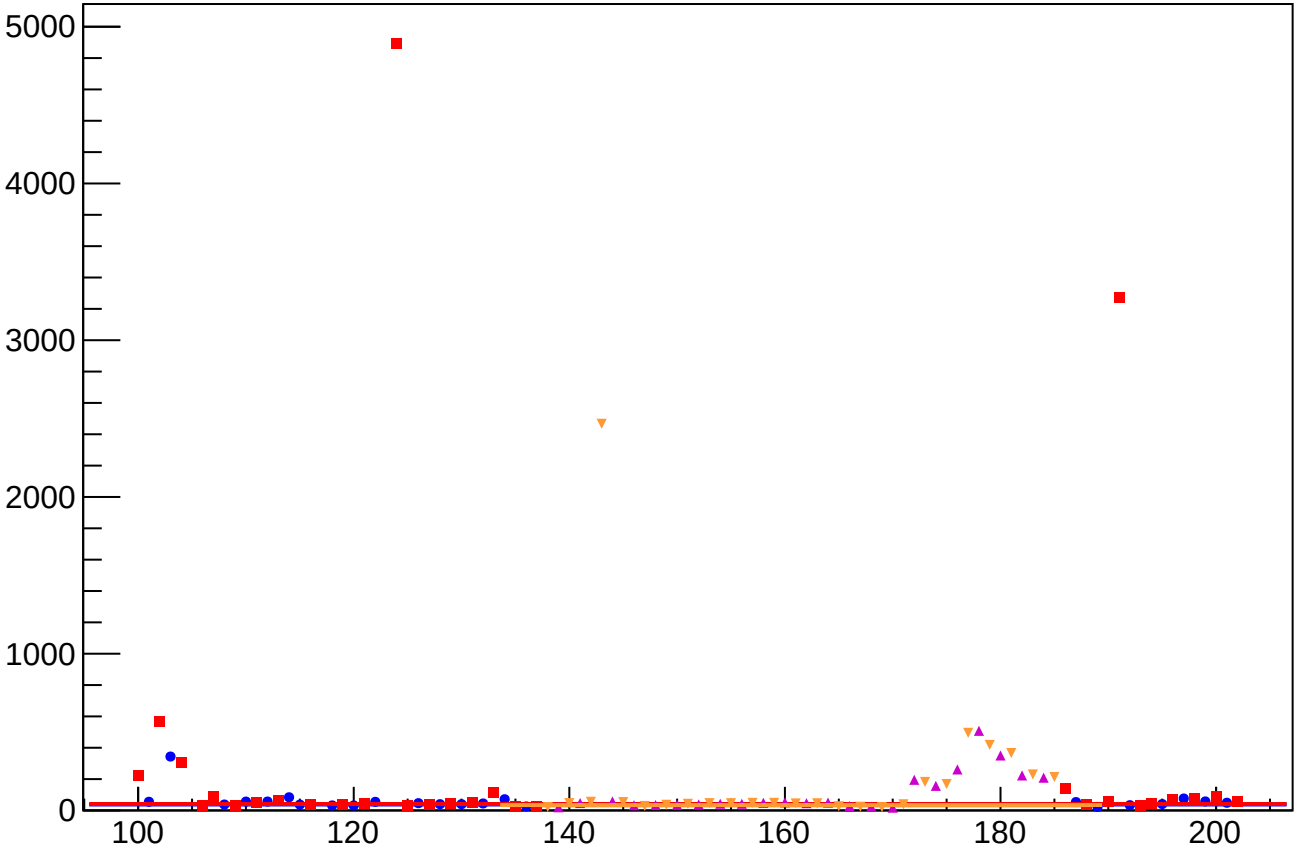
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.008 χ^2/NDF: 51.8/47

All: 0.007+/-0.006 χ^2/NDF: 92.0/99

- sign 0.000+/-0.008 χ^2/NDF: 38.8/51

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 38.152+/-0.009 χ^2/NDF: 2959741.5/22

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

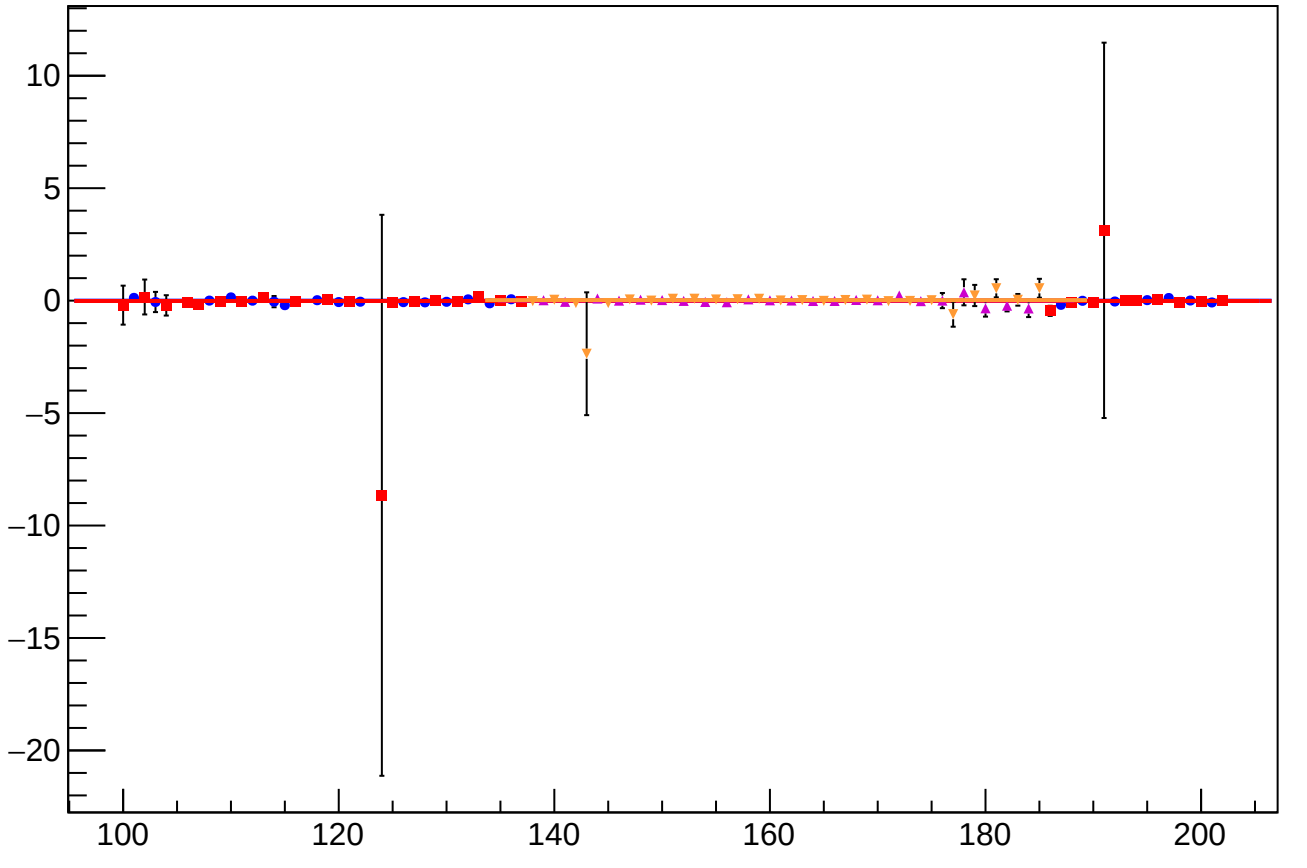
Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 36.024+/-0.006 χ^2/NDF: 14457079.7/47

All: 36.201+/-0.004 χ^2/NDF: 30325067.9/99

- sign 36.377+/-0.006 χ^2/NDF: 15866000.2/51



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

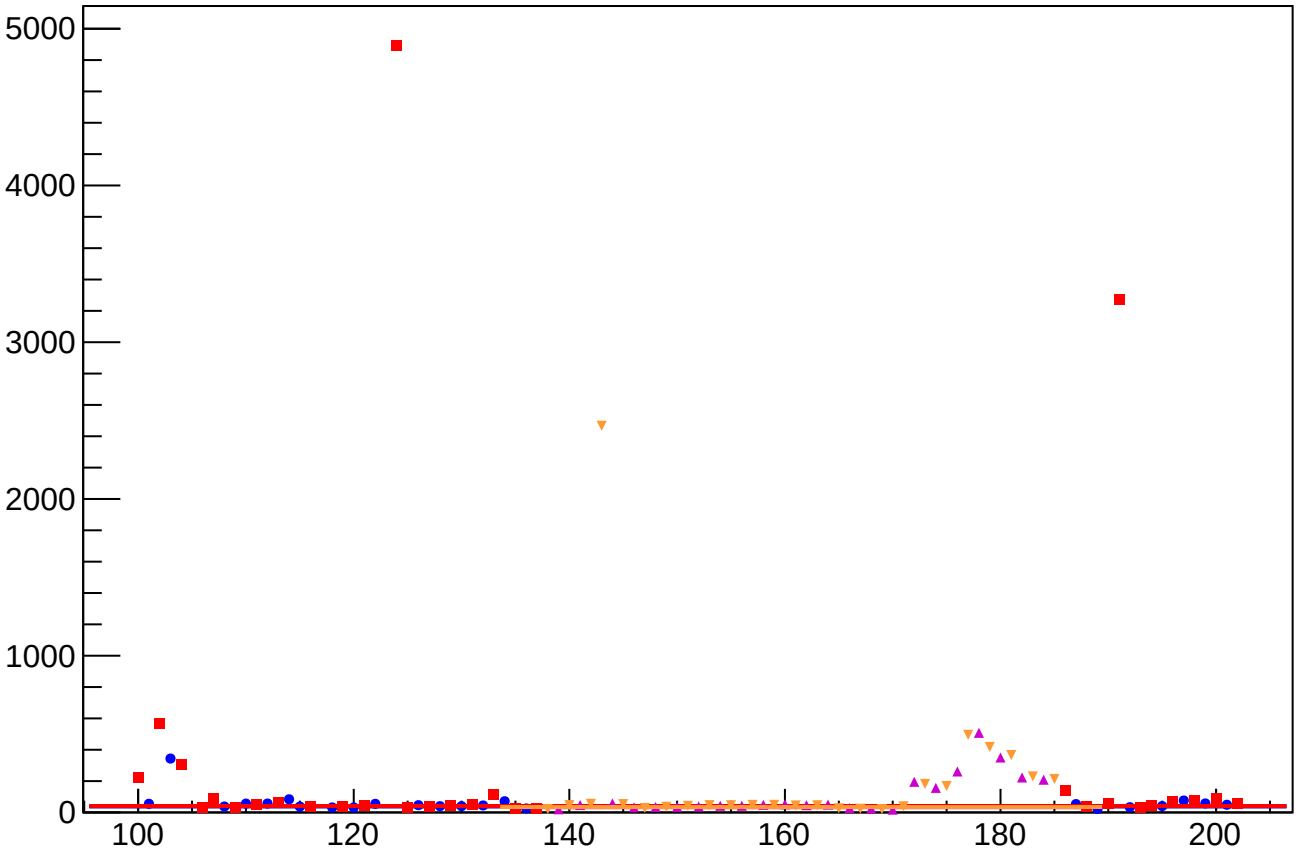
Right Out: -0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.008 χ^2/NDF: 51.8/47

All: 0.007+/-0.006 χ^2/NDF: 92.0/99

- sign 0.000+/-0.008 χ^2/NDF: 38.8/51



Right In: 38.152+/-0.009 χ^2/NDF: 2959741.5/22

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

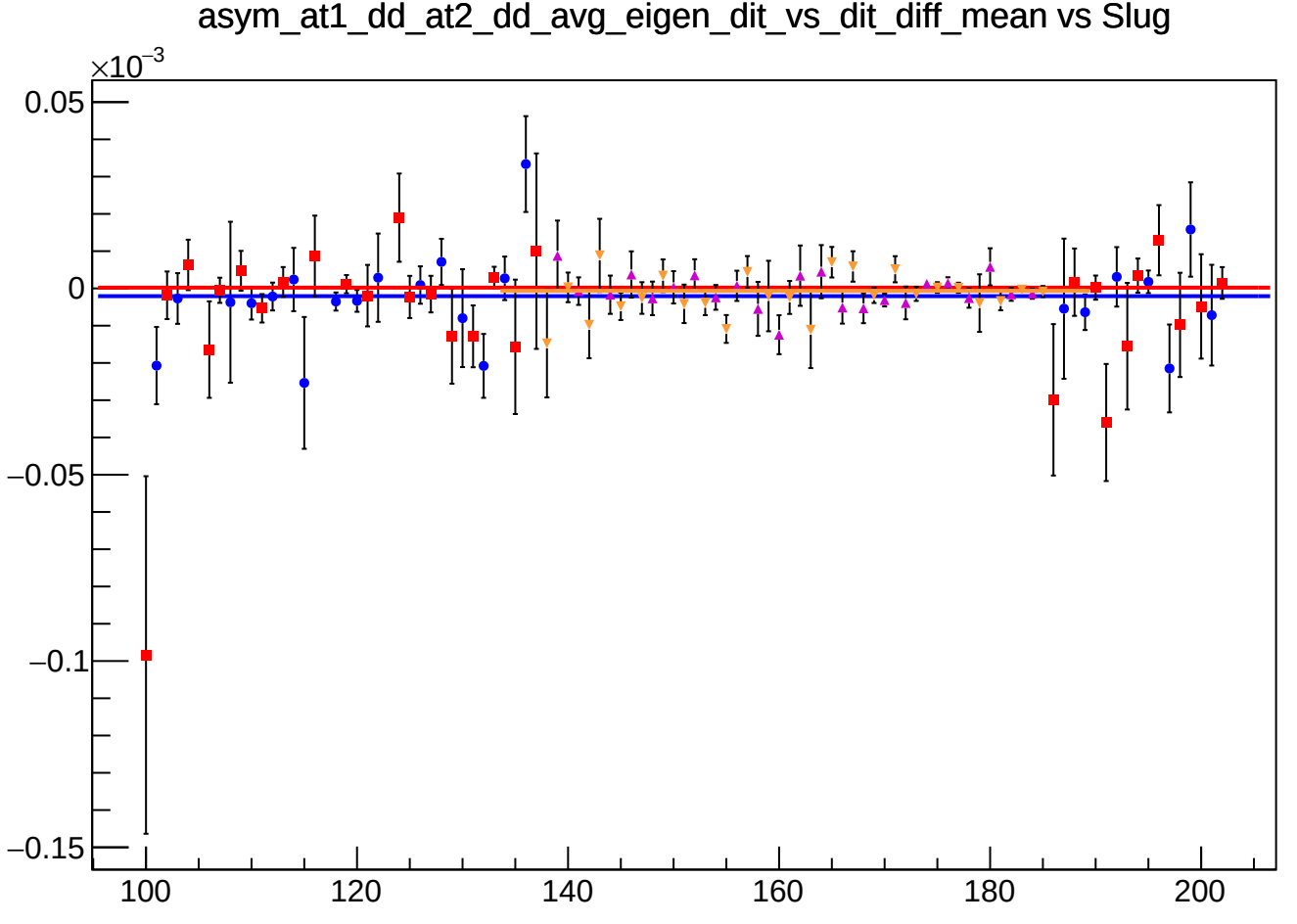
Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 36.024+/-0.006 χ^2/NDF: 14457079.7/47

All: 36.201+/-0.004 χ^2/NDF: 30325067.9/99

- sign 36.377+/-0.006 χ^2/NDF: 15866000.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

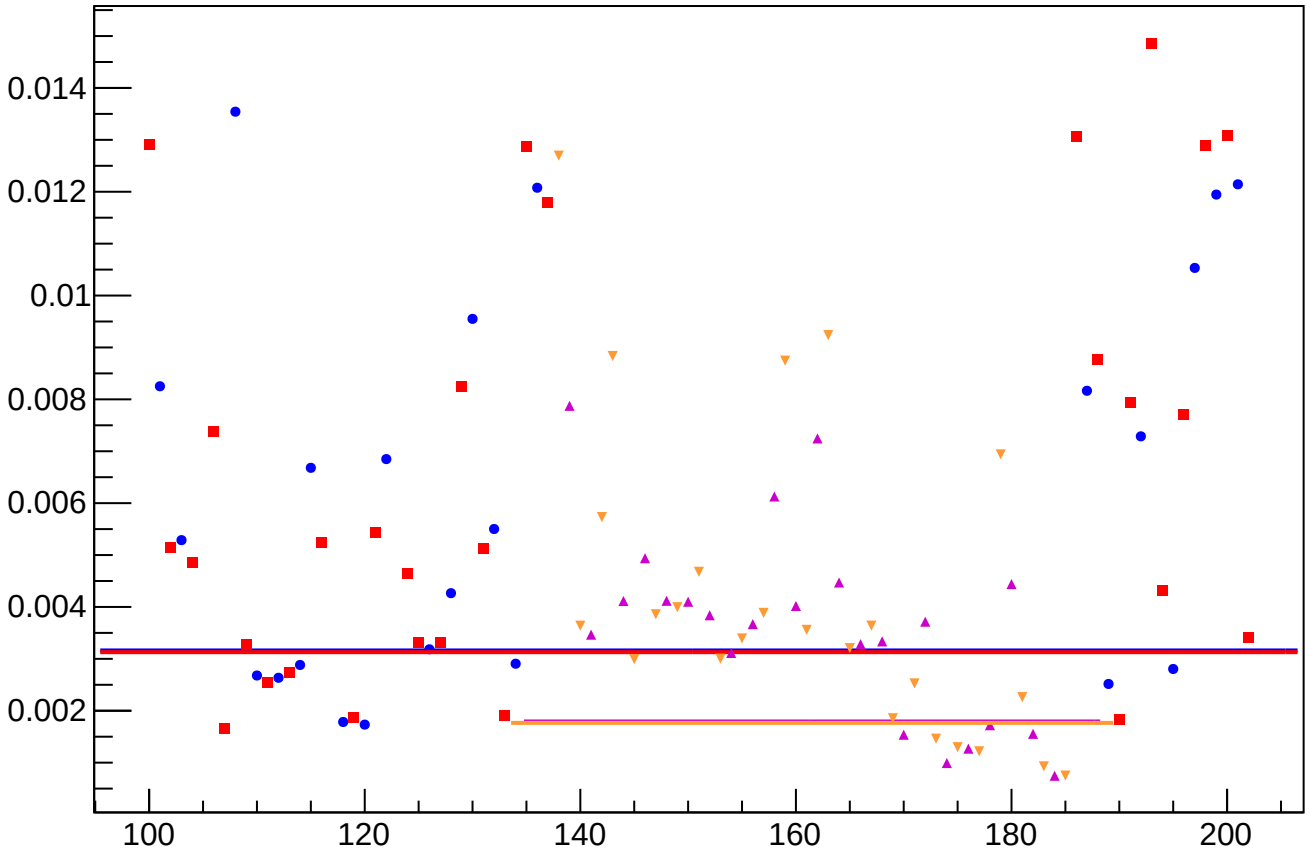
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/28

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.4/47

All: -0.000+/-0.000 χ^2/NDF: 112.6/99

- sign -0.000+/-0.000 χ^2/NDF: 52.8/51



Right In: 0.003+/-0.000 χ^2/NDF: 7615520.0/22

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

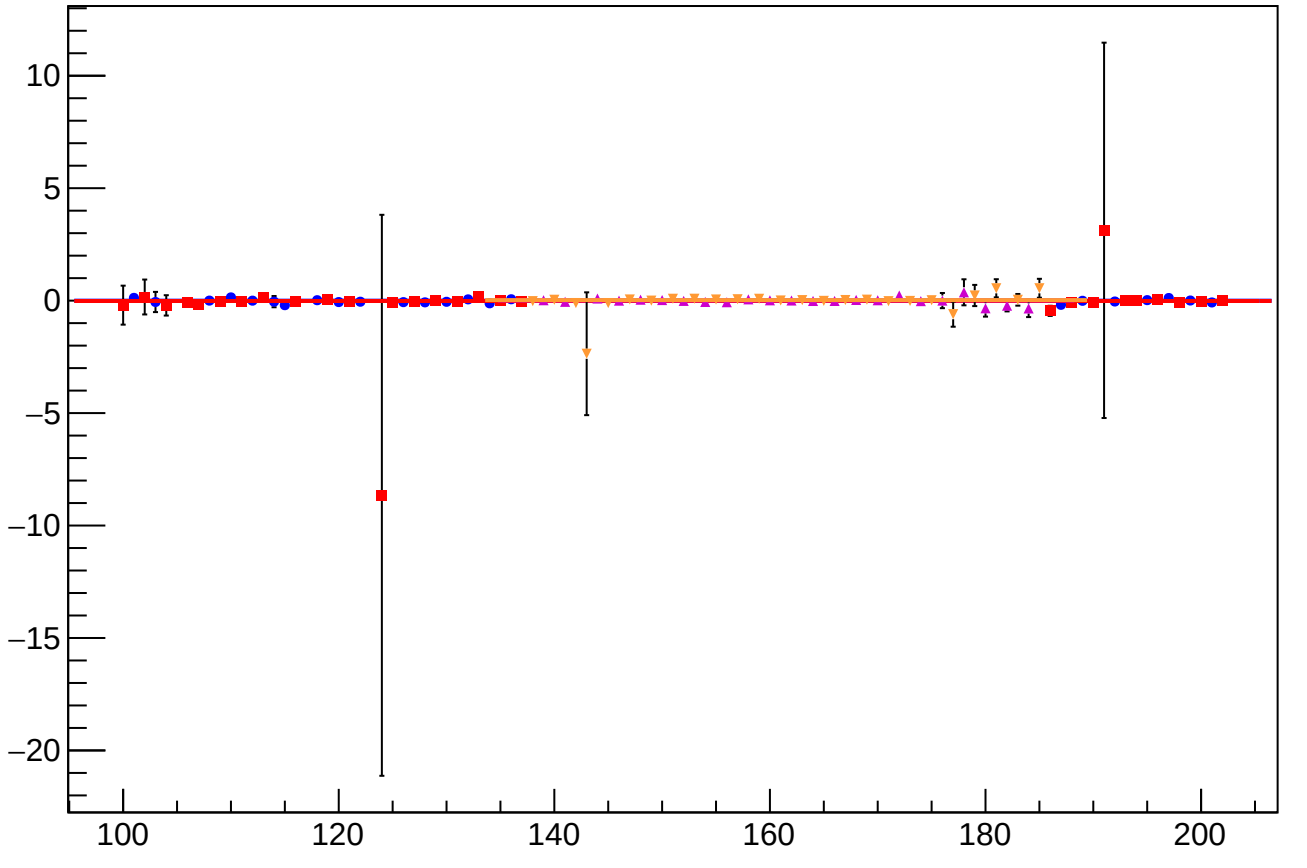
Right Out: 0.003+/-0.000 χ^2/NDF: 8809245.7/28

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 23054372.2/47

All: 0.002+/-0.000 χ^2/NDF: 45345025.5/99

- sign 0.002+/-0.000 χ^2/NDF: 22255681.6/51



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

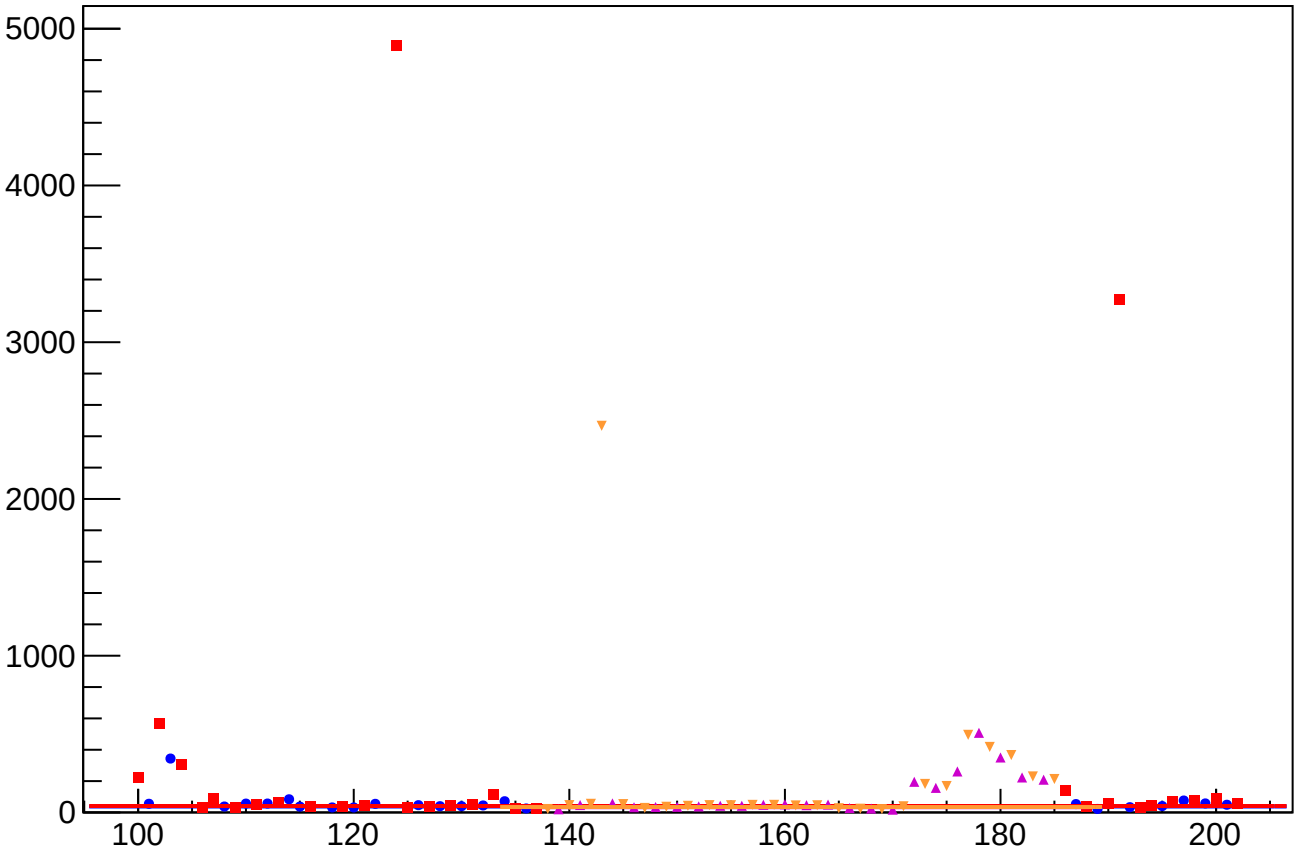
Right Out: -0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.008 χ^2/NDF: 51.8/47

All: 0.007+/-0.006 χ^2/NDF: 92.0/99

- sign 0.000+/-0.008 χ^2/NDF: 38.8/51



Right In: 38.154+/-0.009 χ^2/NDF: 2958913.6/22

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

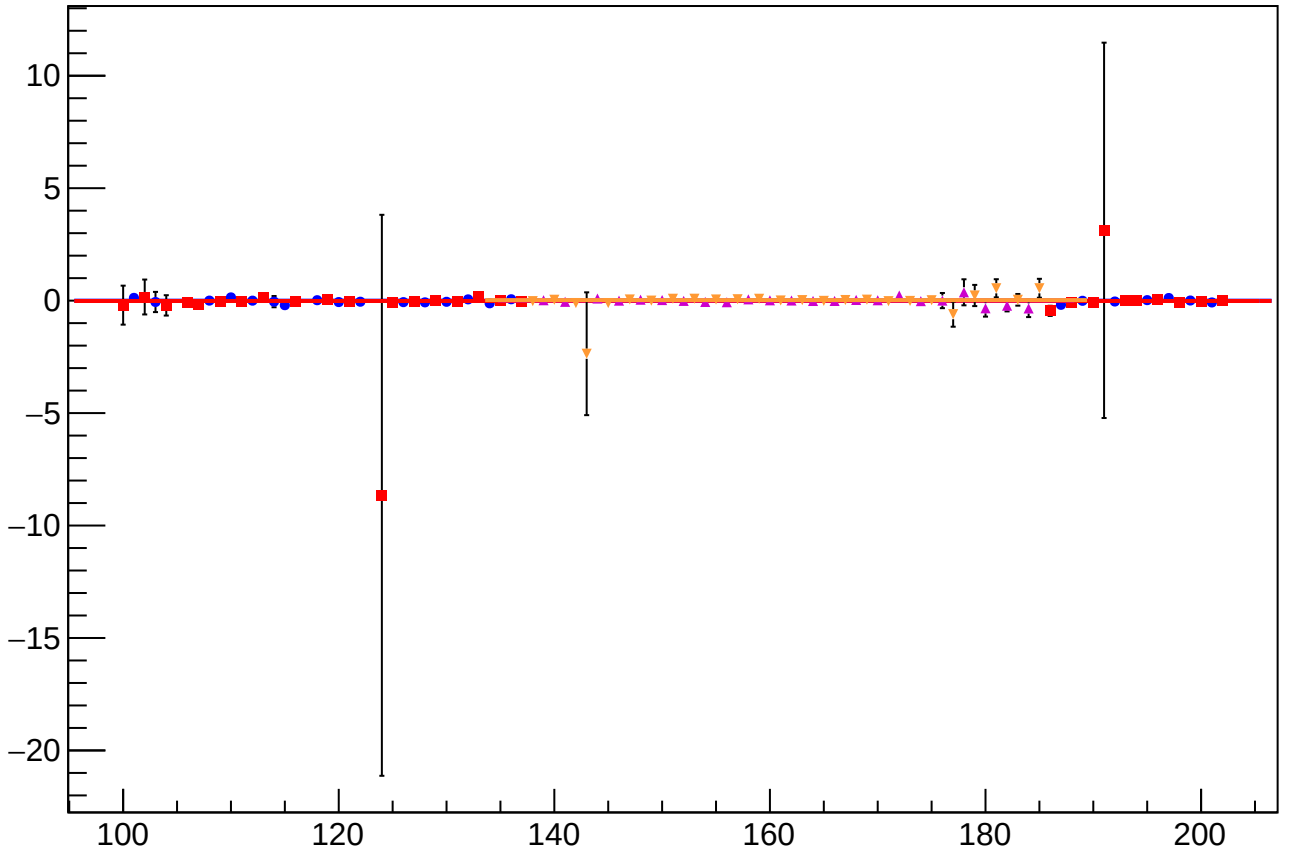
Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 36.024+/-0.006 χ^2/NDF: 14456525.0/47

All: 36.202+/-0.004 χ^2/NDF: 30322858.2/99

- sign 36.378+/-0.006 χ^2/NDF: 15864327.0/51



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.016+/-0.013 χ^2/NDF: 21.5/28

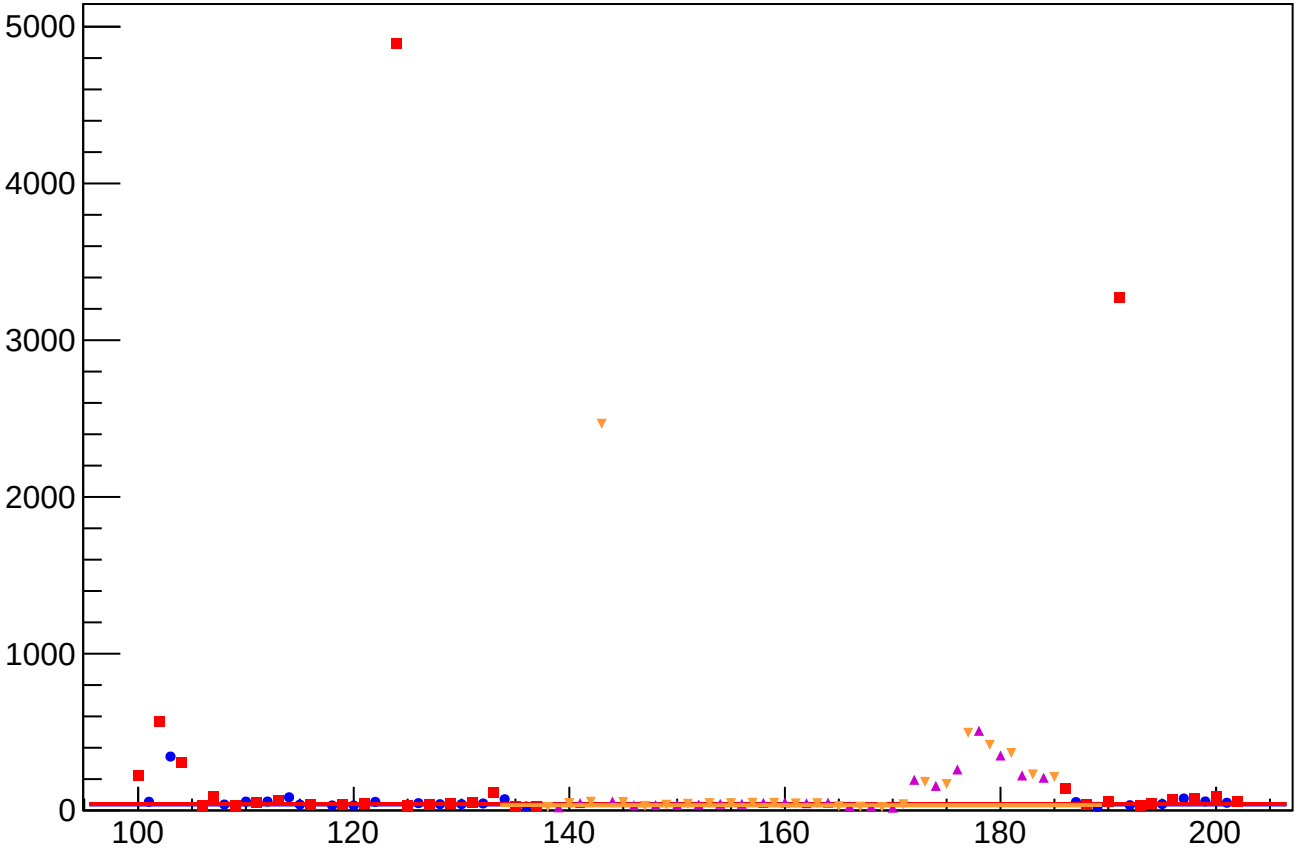
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.008 χ^2/NDF: 51.8/47

All: 0.007+/-0.006 χ^2/NDF: 92.0/99

- sign 0.000+/-0.008 χ^2/NDF: 38.8/51

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.154+/-0.009 χ^2/NDF: 2958913.6/22

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

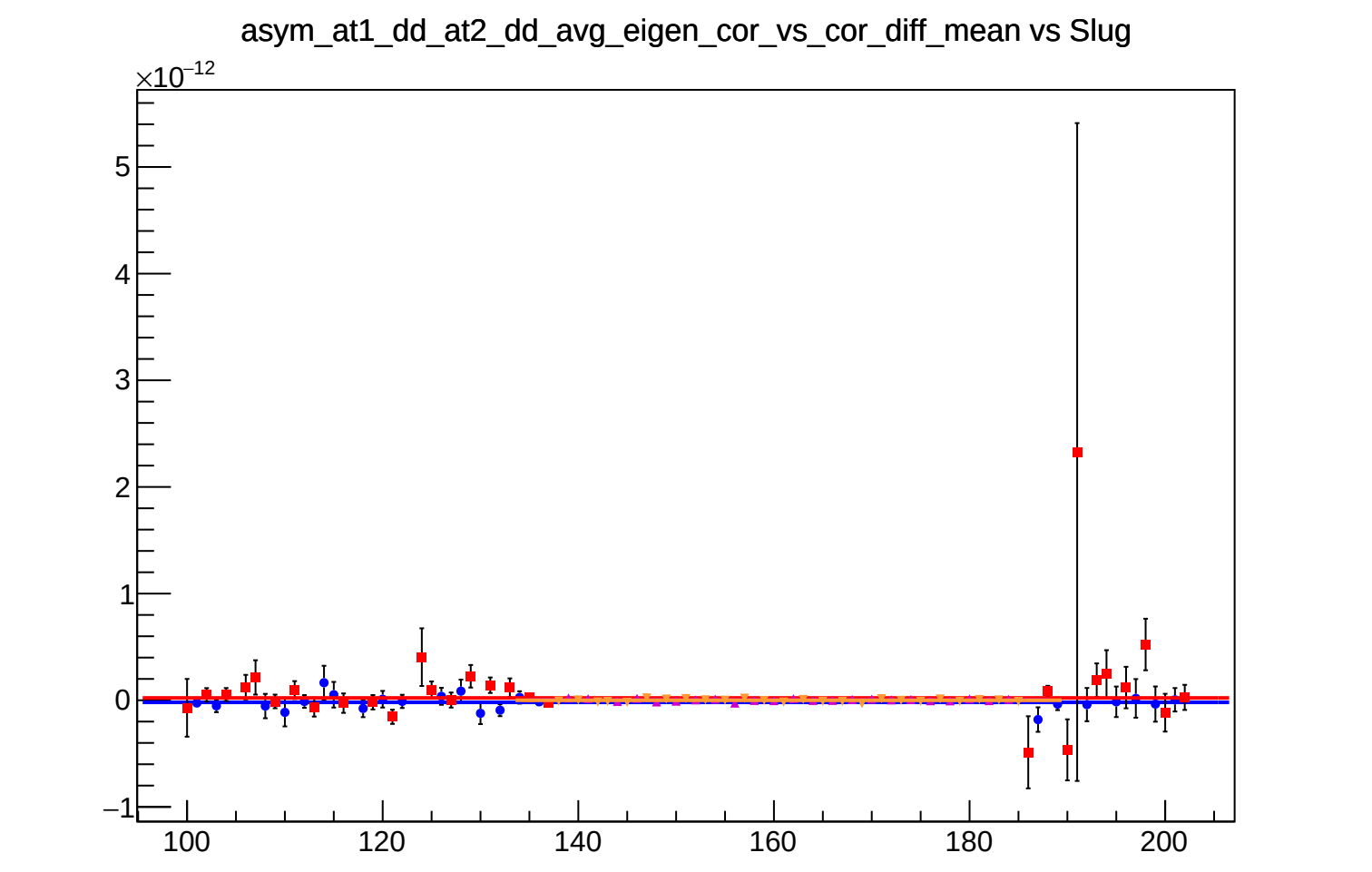
Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 36.024+/-0.006 χ^2/NDF: 14456525.0/47

All: 36.202+/-0.004 χ^2/NDF: 30322858.2/99

- sign 36.378+/-0.006 χ^2/NDF: 15864327.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

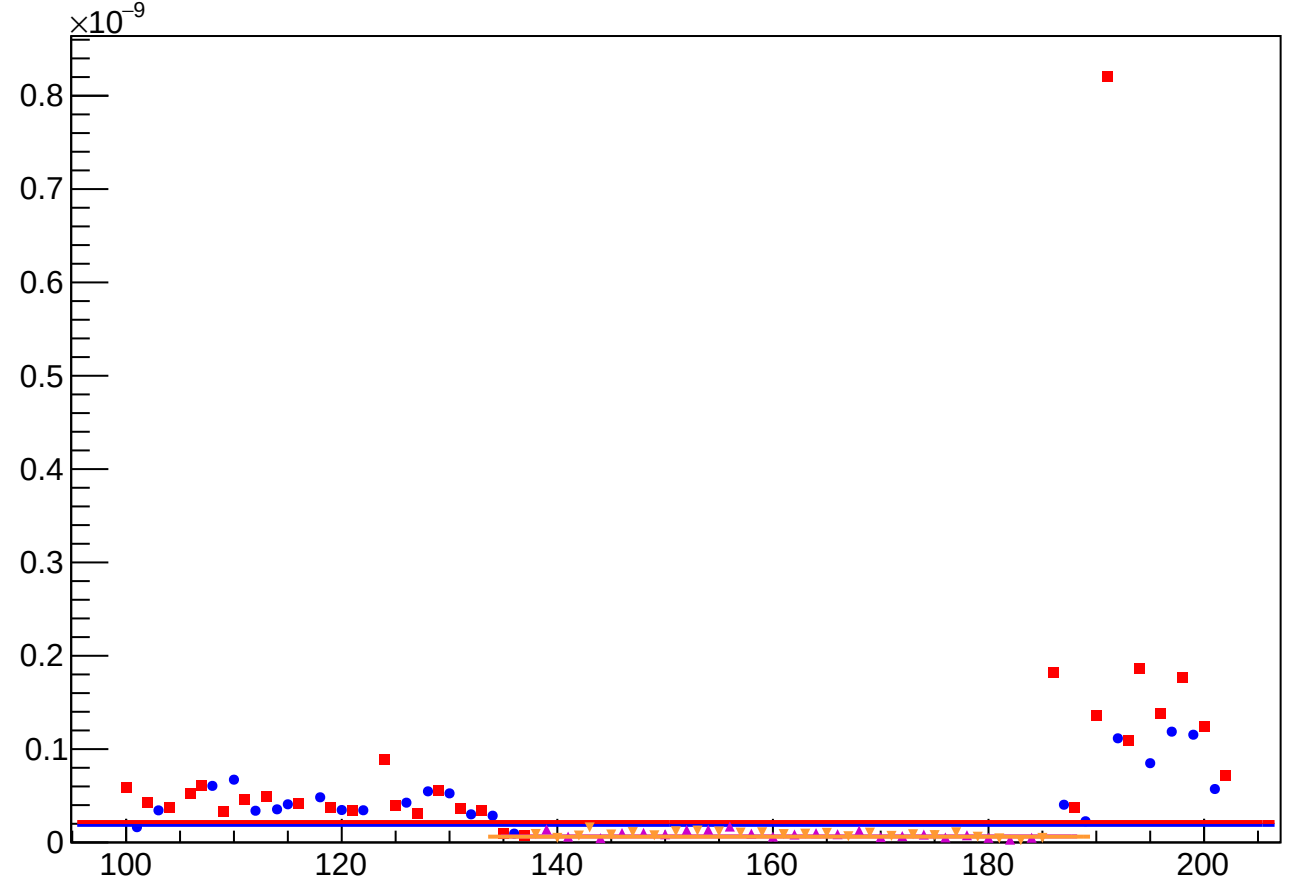
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/28

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/47

All: 0.000+/-0.000 χ^2/NDF: 107.7/99

- sign 0.000+/-0.000 χ^2/NDF: 65.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 6033110.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9233361.7/28

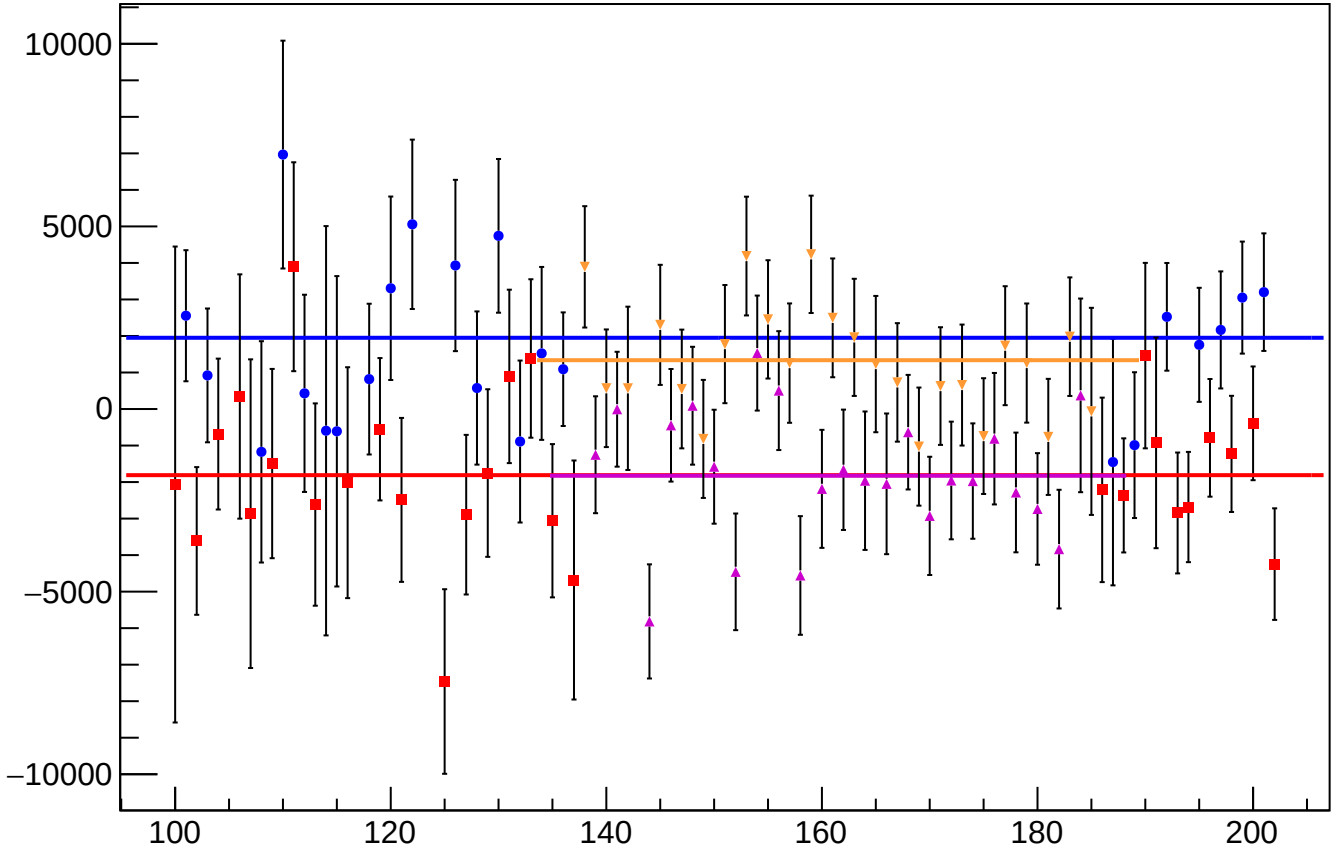
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14438689.6/47

All: 0.000+/-0.000 χ^2/NDF: 31724077.4/99

- sign 0.000+/-0.000 χ^2/NDF: 17257192.9/51

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1950.948+/-427.842 χ^2/NDF: 16.7/22

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1810.601+/-403.403 χ^2/NDF: 22.5/27

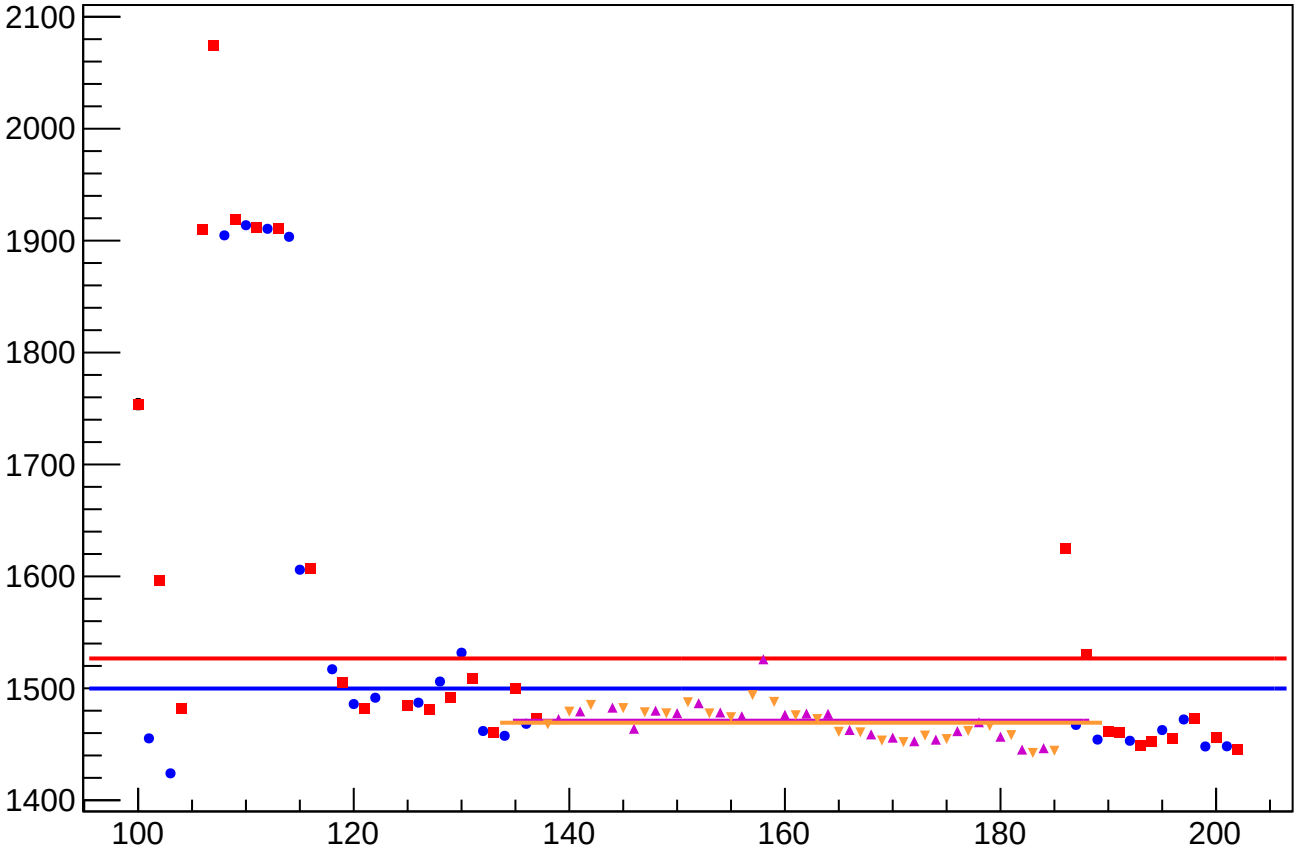
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1575.516+/-266.669 χ^2/NDF: 37.2/46

All: -155.250+/-186.718 χ^2/NDF: 168.8/97

- sign -1819.875+/-261.524 χ^2/NDF: 49.0/50

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1499.815+/-0.303 χ^2/NDF: 145608.9/22

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1526.672+/-0.285 χ^2/NDF: 223900.7/27

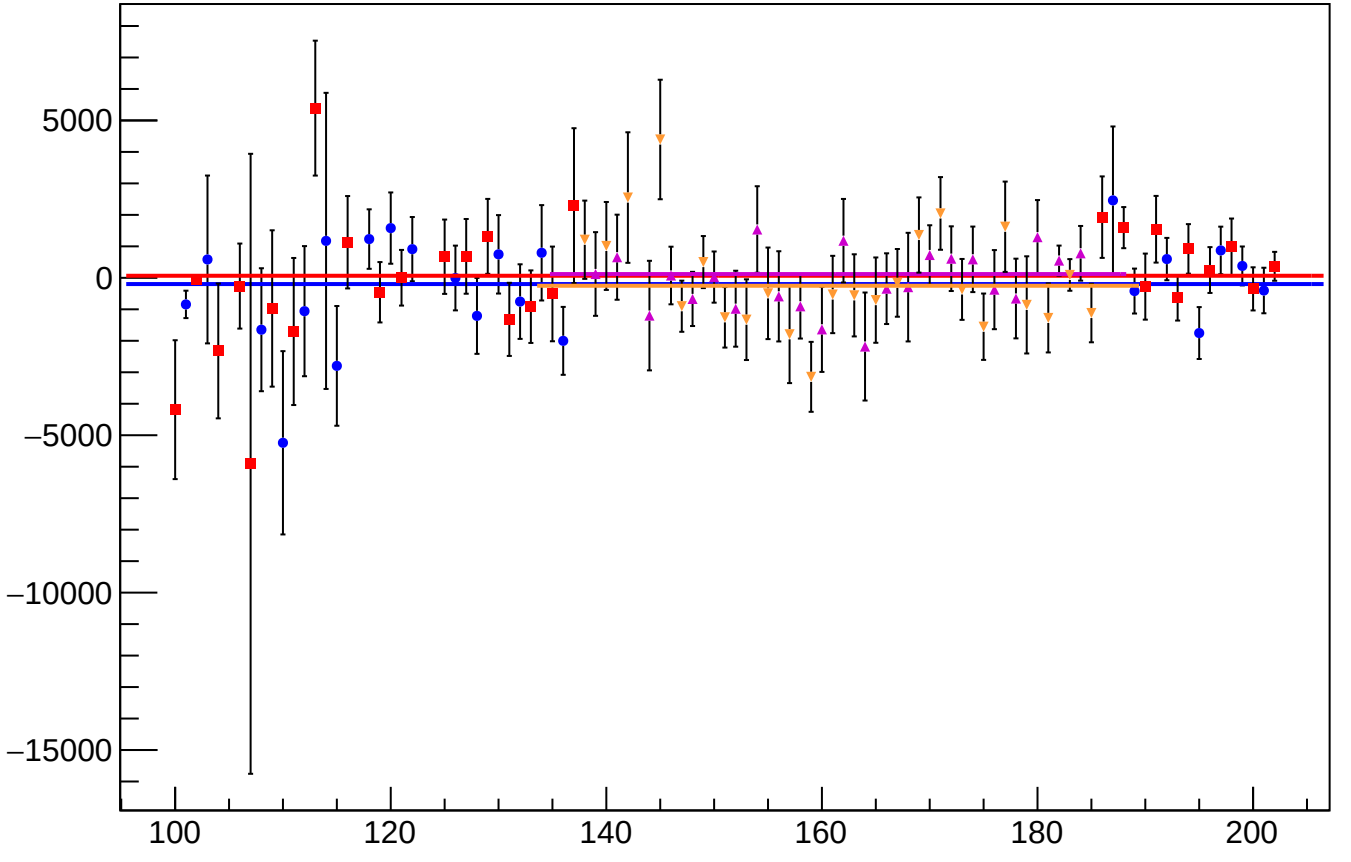
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1481.135+/-0.189 χ^2/NDF: 154999.5/46

All: 1487.912+/-0.132 χ^2/NDF: 408116.4/97

- sign 1494.430+/-0.185 χ^2/NDF: 250582.9/50

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -197.720+/-197.617 χ^2/NDF: 27.9/22

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 66.011+/-112.090 χ^2/NDF: 32.4/27

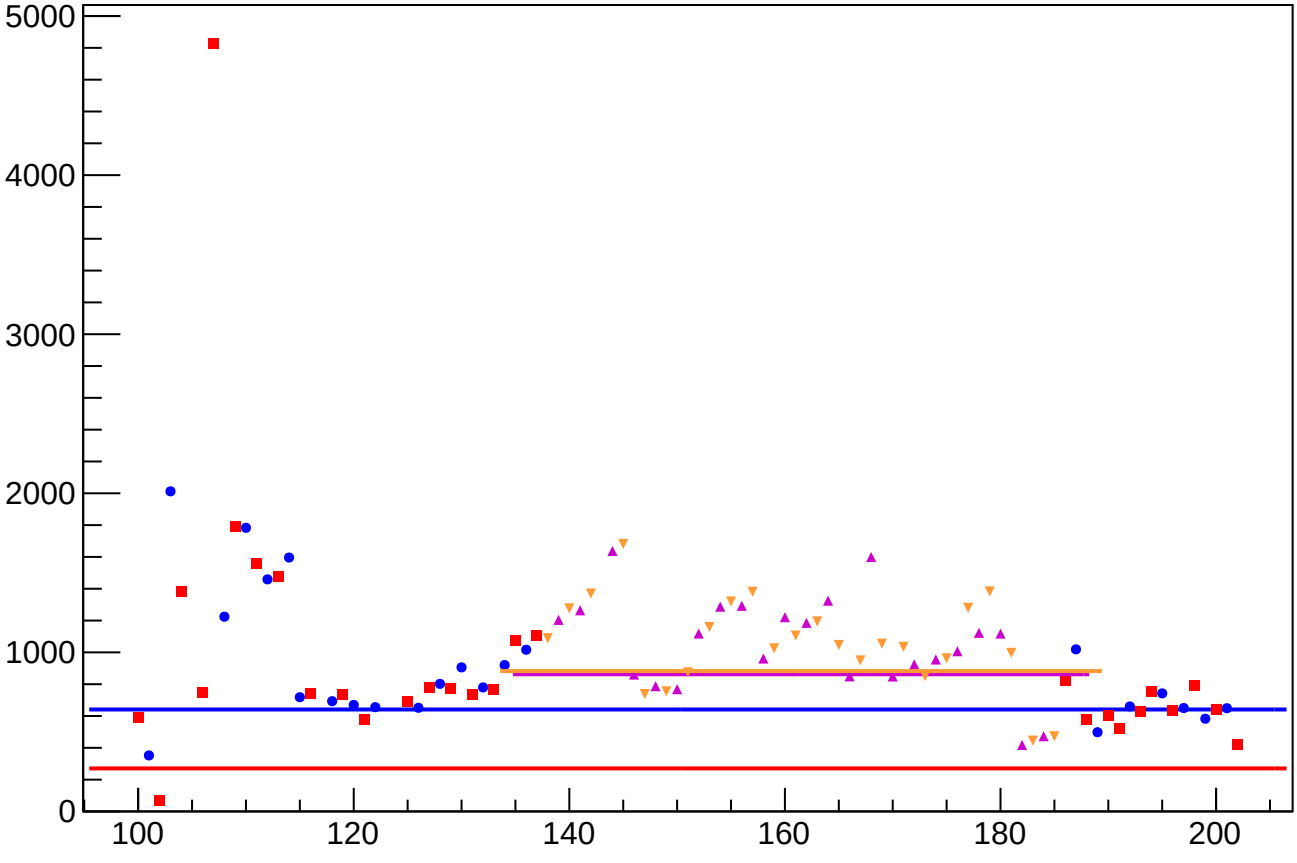
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -221.983+/-146.525 χ^2/NDF: 60.7/46

All: -17.053+/-82.309 χ^2/NDF: 108.8/97

- sign 77.426+/-99.489 χ^2/NDF: 45.2/50

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 641.003+/-0.140 χ^2/NDF: 2947949.0/22

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 270.511+/-0.079 χ^2/NDF: 15210093.2/27

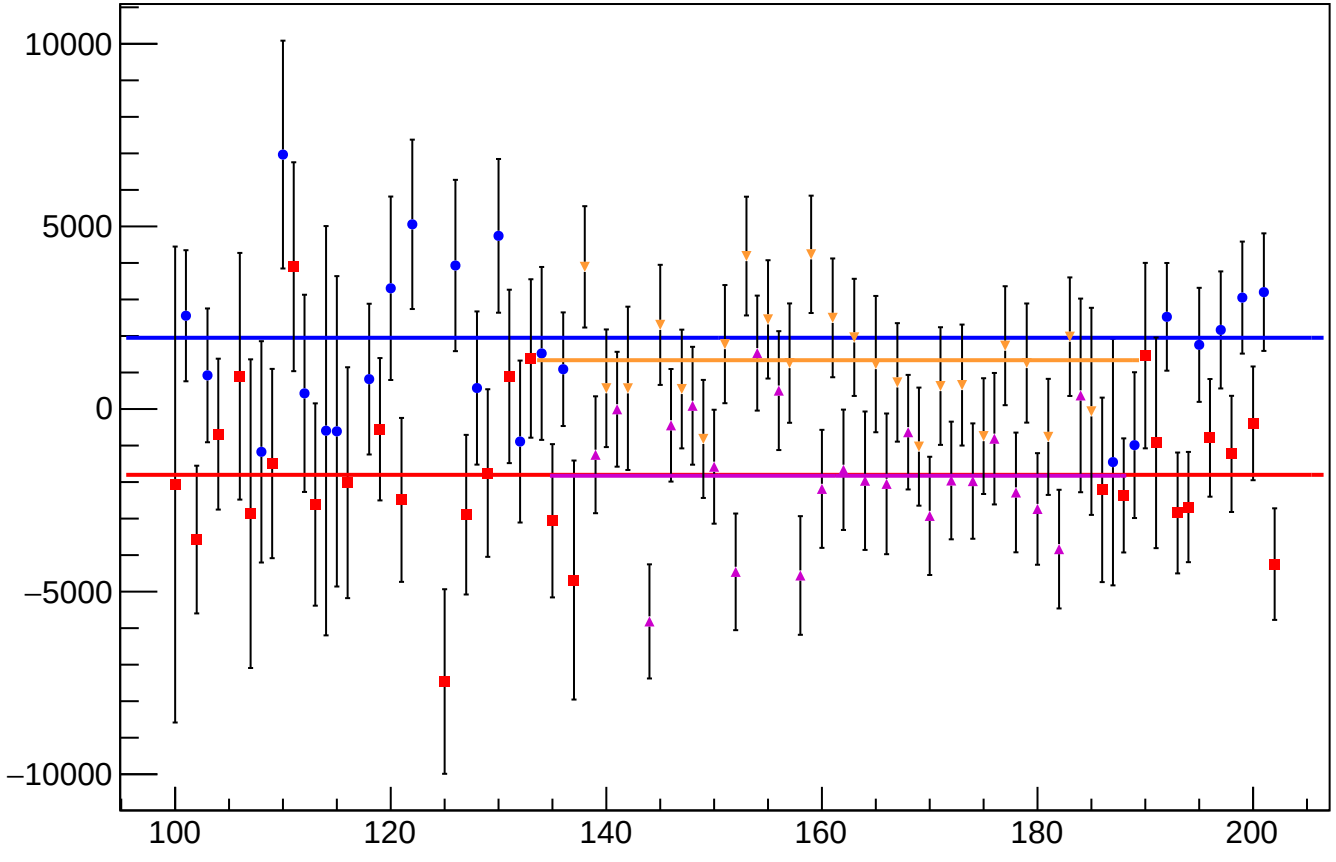
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 749.703+/-0.104 χ^2/NDF: 8193208.8/46

All: 507.671+/-0.058 χ^2/NDF: 47575060.1/97

- sign 396.088+/-0.070 χ^2/NDF: 31409103.8/50

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1951.077+/-427.842 χ^2/NDF: 16.7/22

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1801.772+/-403.461 χ^2/NDF: 22.7/27

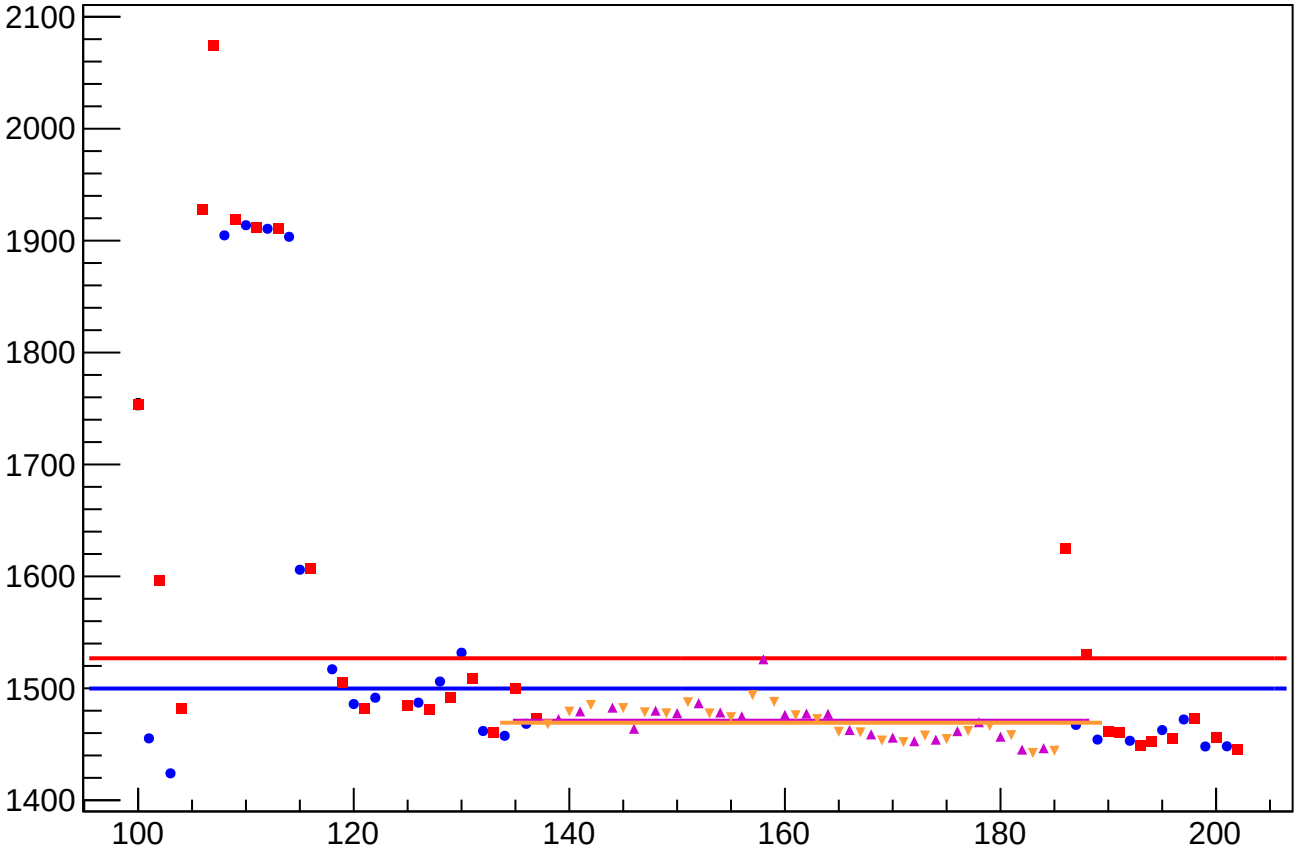
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1575.573+/-266.669 χ^2/NDF: 37.2/46

All: -153.242+/-186.724 χ^2/NDF: 168.8/97

- sign -1816.192+/-261.540 χ^2/NDF: 49.2/50

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1499.816+/-0.303 χ^2/NDF: 145608.8/22

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

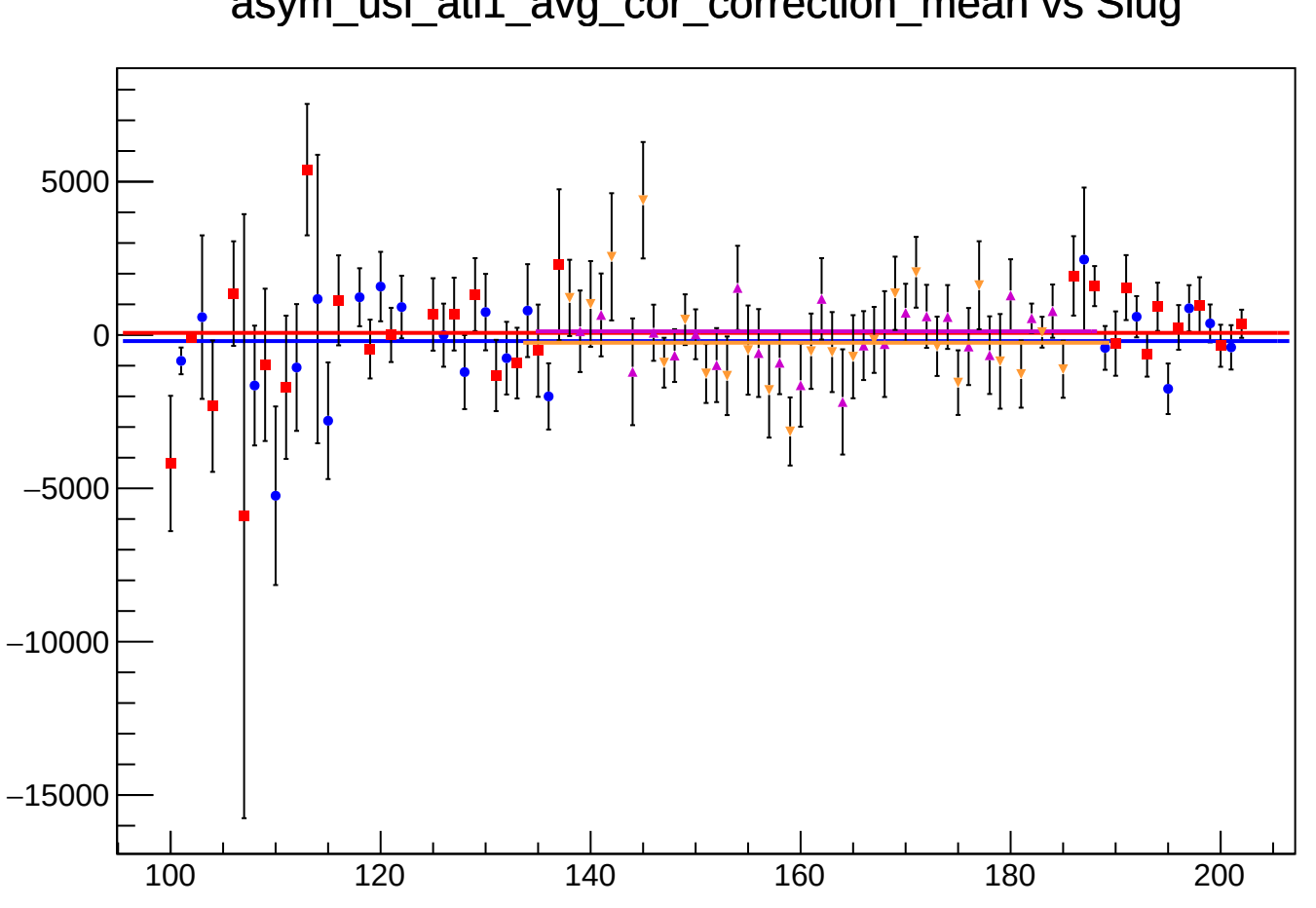
Right Out: 1526.835+/-0.285 χ^2/NDF: 225936.0/27

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1481.135+/-0.189 χ^2/NDF: 154999.4/46

All: 1487.944+/-0.132 χ^2/NDF: 410301.5/97

- sign 1494.494+/-0.185 χ^2/NDF: 252743.5/50



Right In: -197.574+/-197.617 χ^2/NDF: 27.9/22

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 69.492+/-118.951 χ^2/NDF: 33.2/27

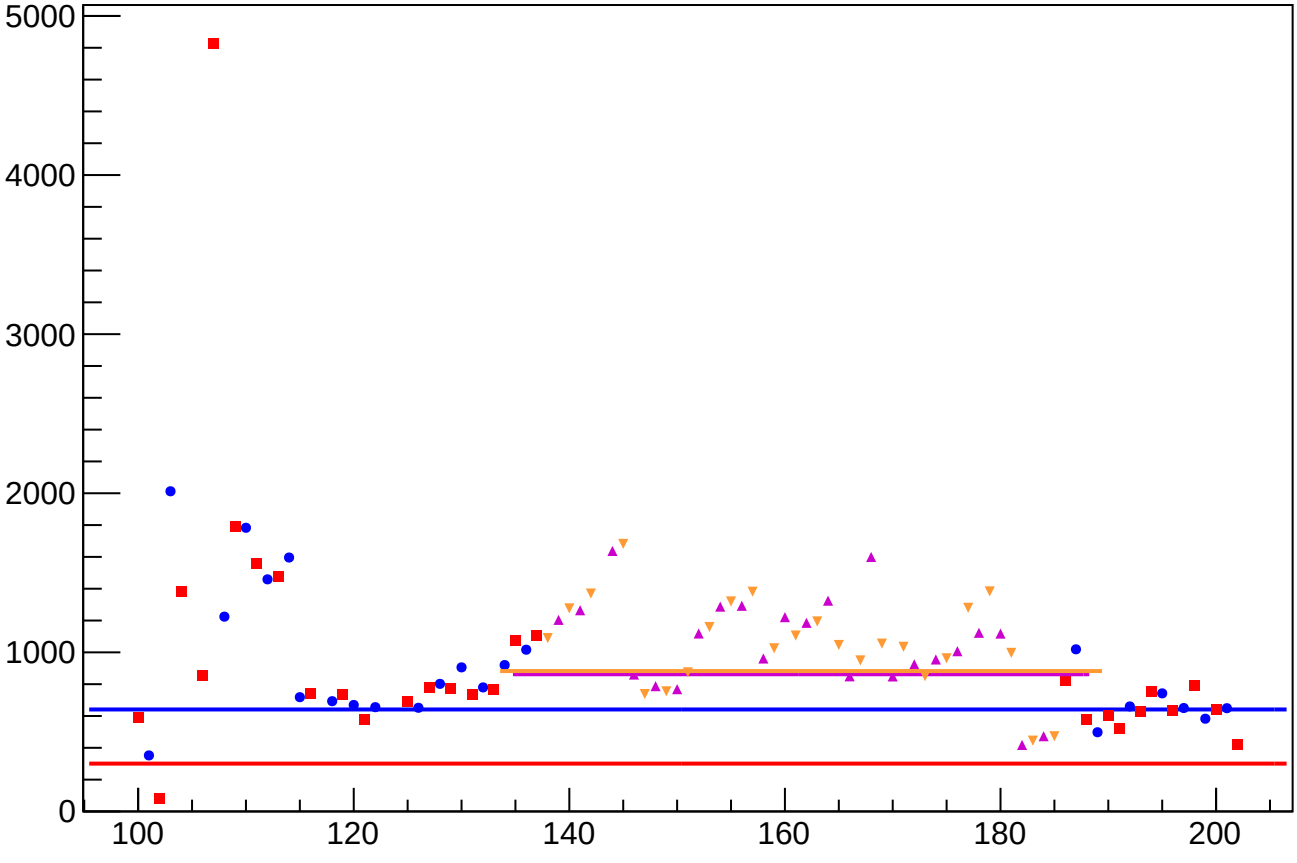
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -221.894+/-146.525 χ^2/NDF: 60.7/46

All: -20.583+/-84.913 χ^2/NDF: 109.6/97

- sign 81.211+/-104.193 χ^2/NDF: 46.0/50

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 641.003+/-0.140 χ^2/NDF: 2947998.5/22

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 300.699+/-0.084 χ^2/NDF: 14014604.8/27

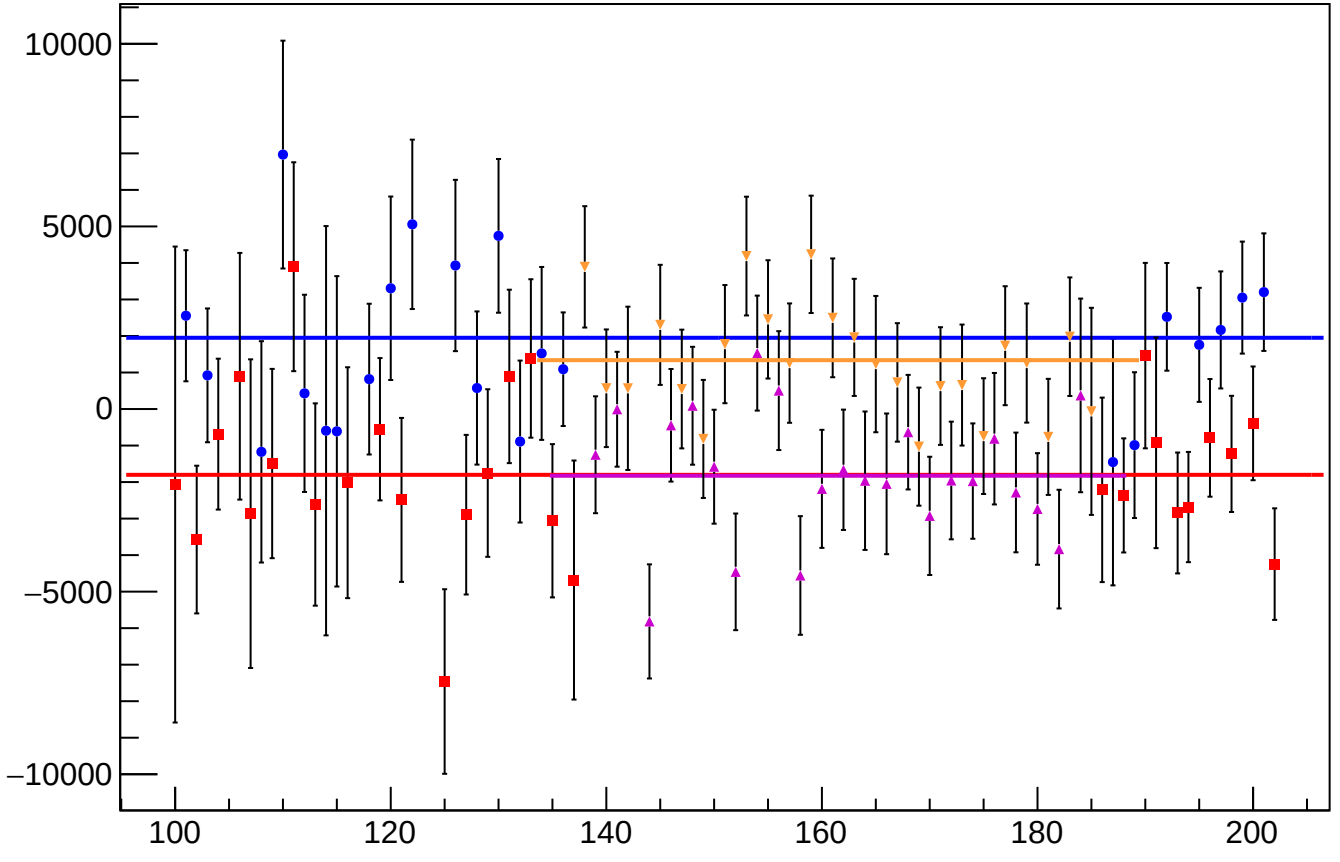
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 749.698+/-0.104 χ^2/NDF: 8193494.8/46

All: 538.300+/-0.060 χ^2/NDF: 43221369.3/97

- sign 431.406+/-0.074 χ^2/NDF: 28759778.5/50

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1951.077+/-427.842 χ^2/NDF: 16.7/22

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1801.772+/-403.461 χ^2/NDF: 22.7/27

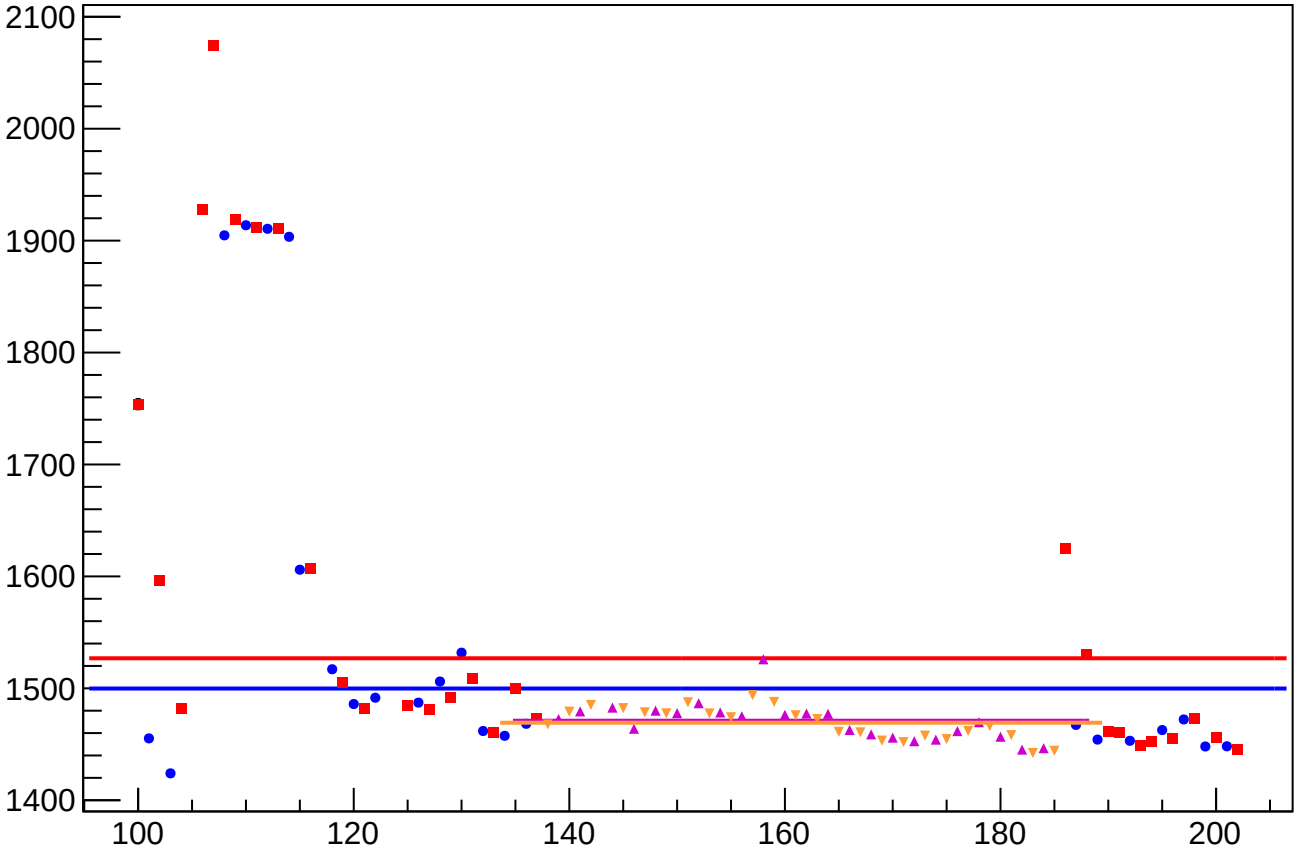
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1575.573+/-266.669 χ^2/NDF: 37.2/46

All: -153.242+/-186.724 χ^2/NDF: 168.8/97

- sign -1816.192+/-261.540 χ^2/NDF: 49.2/50

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1499.816+/-0.303 χ^2/NDF: 145608.8/22

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

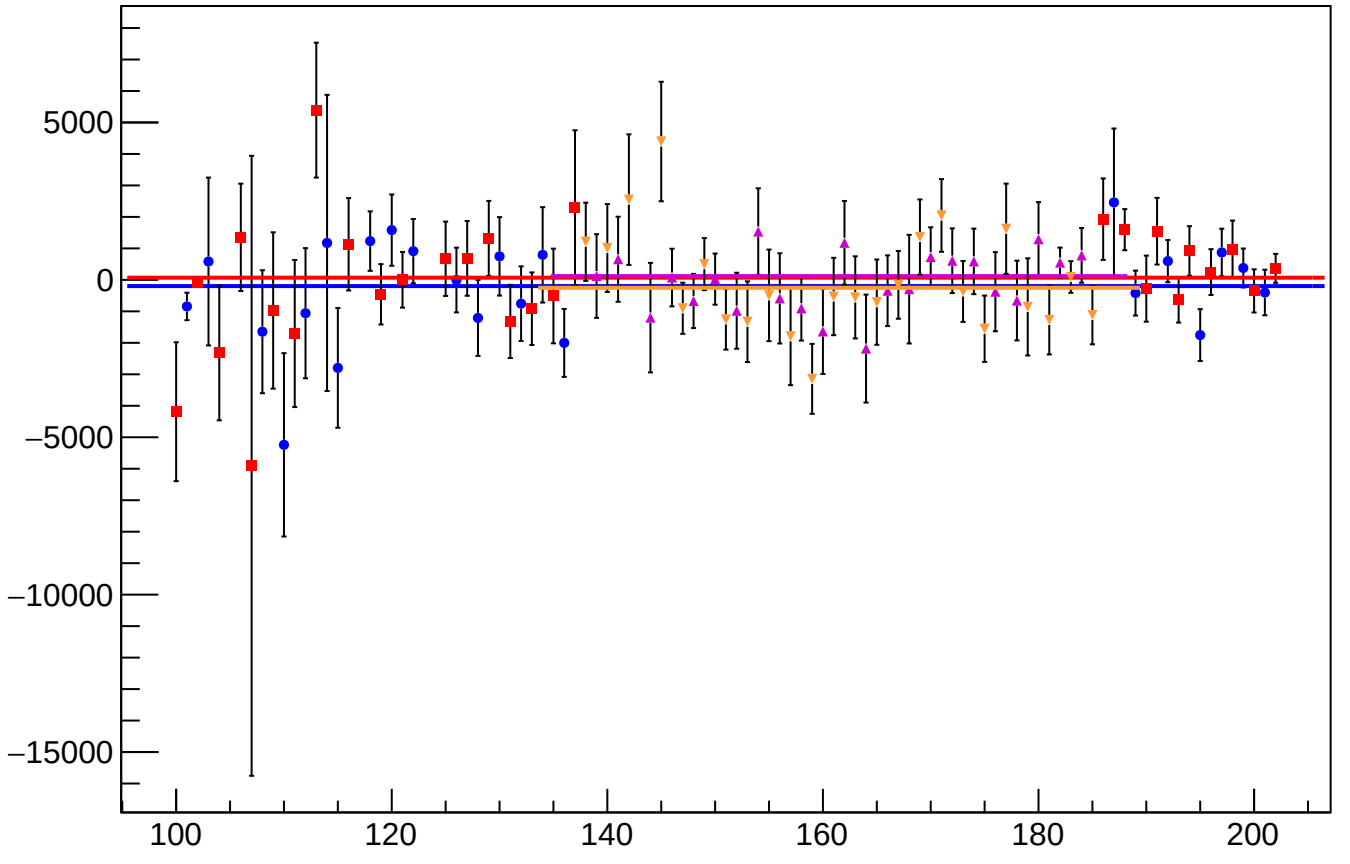
Right Out: 1526.835+/-0.285 χ^2/NDF: 225936.0/27

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1481.135+/-0.189 χ^2/NDF: 154999.4/46

All: 1487.944+/-0.132 χ^2/NDF: 410301.5/97

- sign 1494.494+/-0.185 χ^2/NDF: 252743.5/50



Right In: -197.574+/-197.617 χ^2/NDF: 27.9/22

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

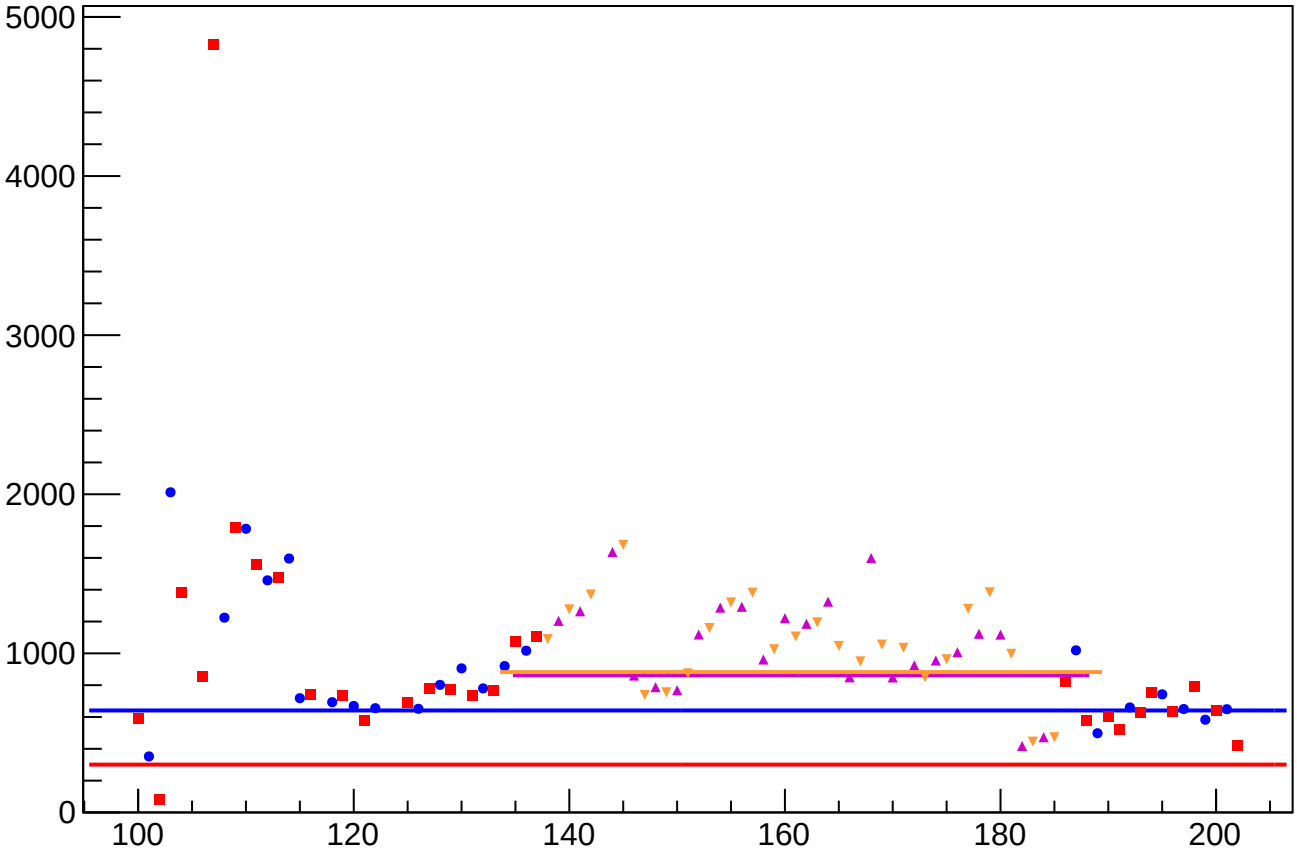
Right Out: 69.492+/-118.951 χ^2/NDF: 33.2/27

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -221.894+/-146.525 χ^2/NDF: 60.7/46

All: -20.583+/-84.913 χ^2/NDF: 109.6/97

- sign 81.211+/-104.193 χ^2/NDF: 46.0/50



Right In: 641.003+/-0.140 χ^2/NDF: 2947998.5/22

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 300.699+/-0.084 χ^2/NDF: 14014604.8/27

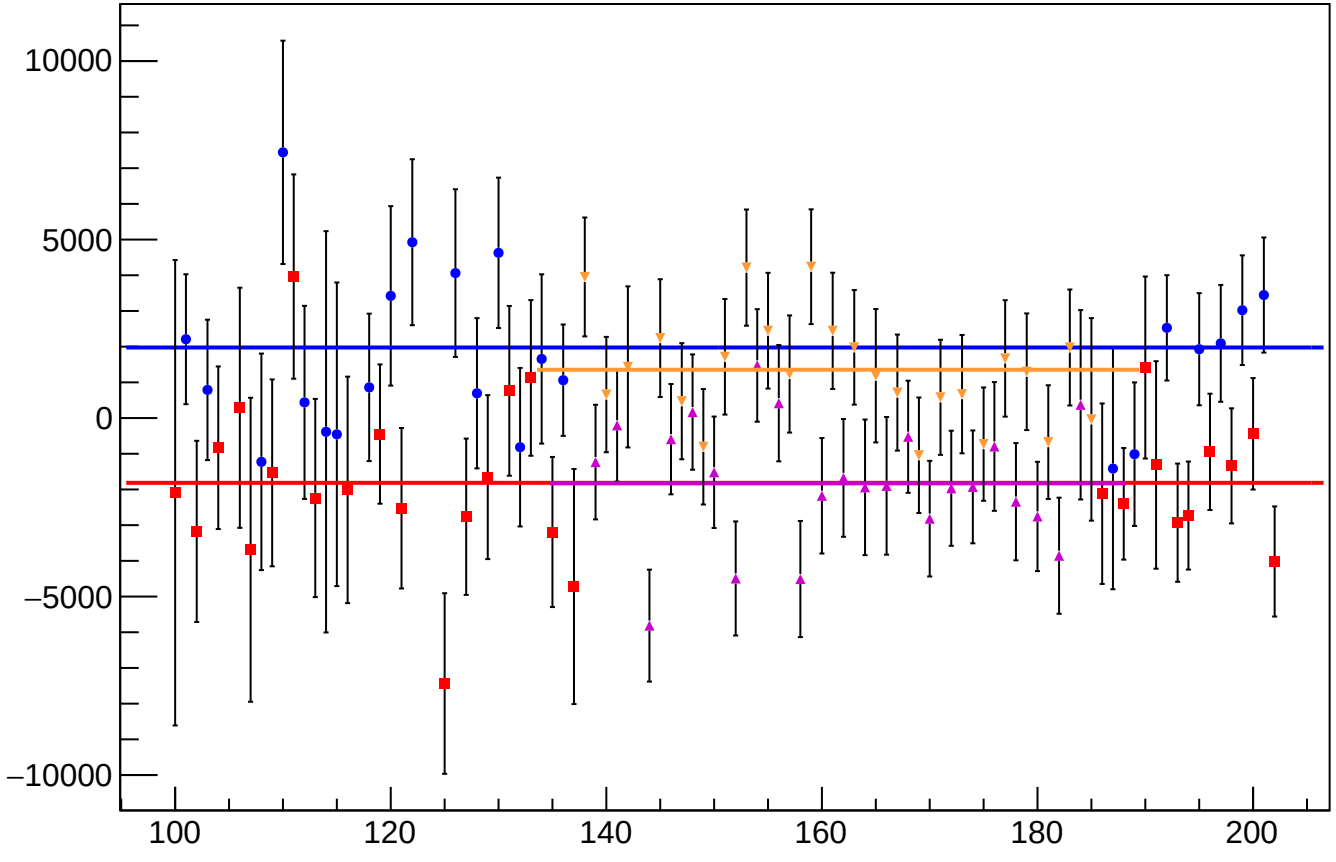
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 749.698+/-0.104 χ^2/NDF: 8193494.8/46

All: 538.300+/-0.060 χ^2/NDF: 43221369.3/97

- sign 431.406+/-0.074 χ^2/NDF: 28759778.5/50

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1976.876+/-431.190 χ^2/NDF: 17.0/22

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1814.331+/-409.421 χ^2/NDF: 20.9/27

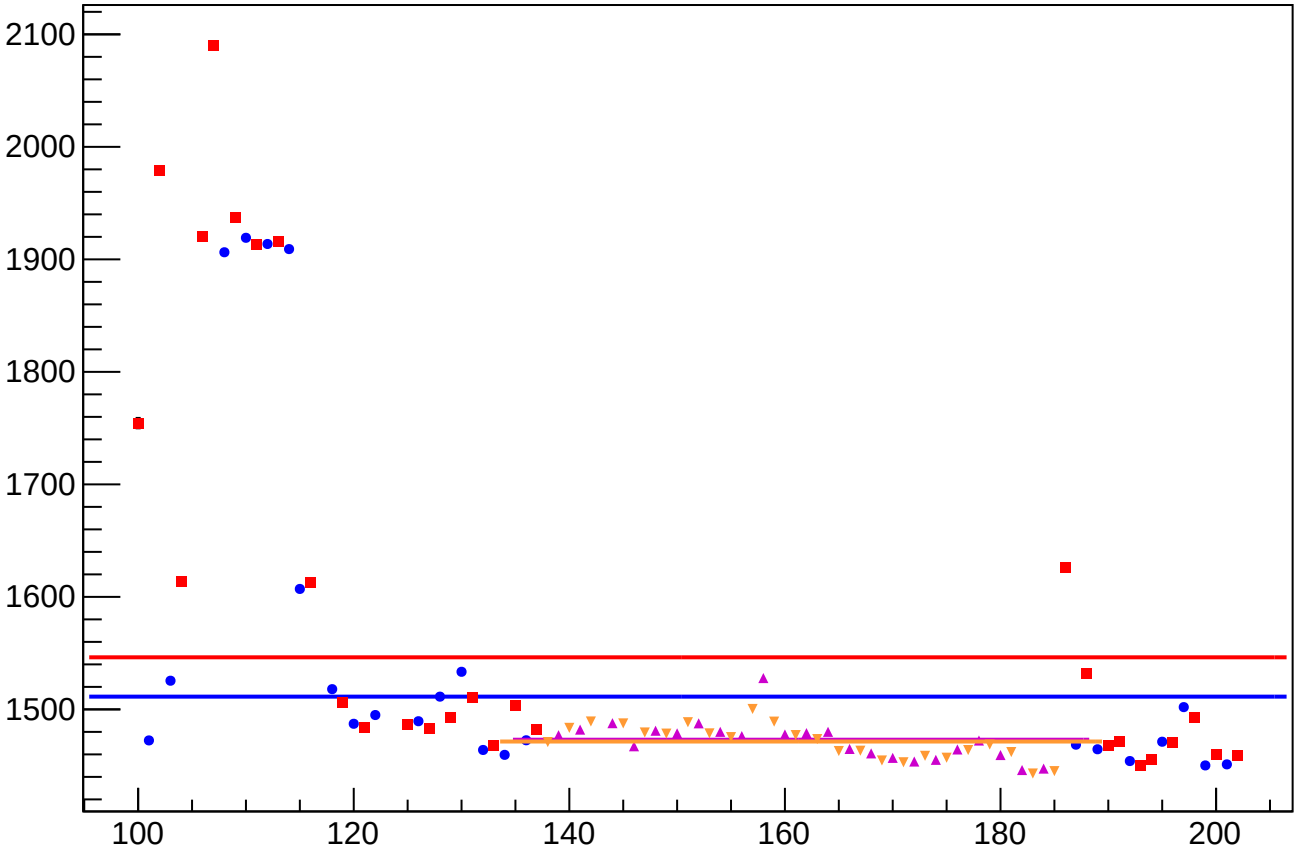
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1593.966+/-267.743 χ^2/NDF: 37.2/46

All: -142.492+/-187.752 χ^2/NDF: 166.7/97

- sign -1822.491+/-263.354 χ^2/NDF: 46.7/50

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1511.338+/-0.305 χ^2/NDF: 139775.6/22

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1546.286+/-0.290 χ^2/NDF: 282441.8/27

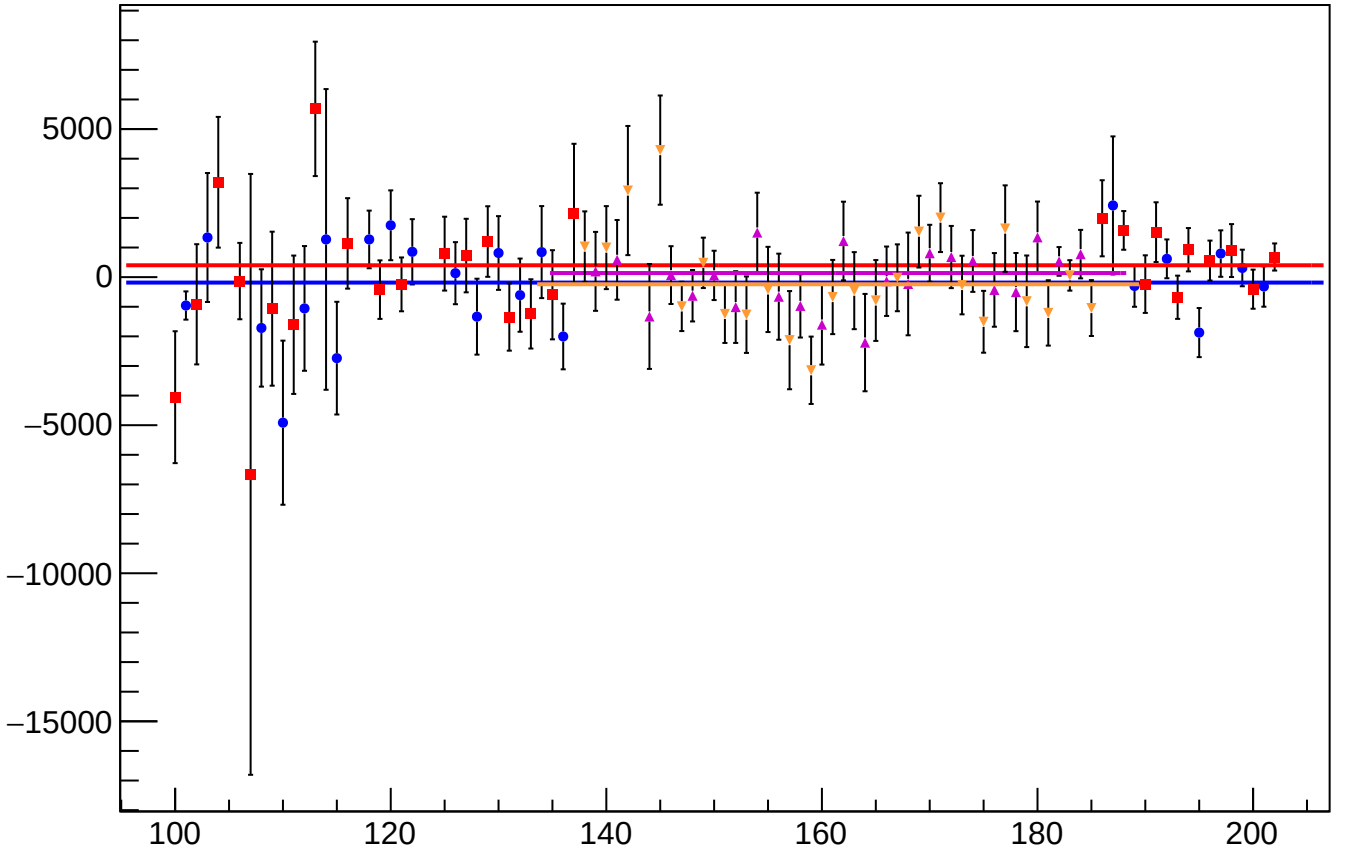
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1486.821+/-0.189 χ^2/NDF: 153735.4/46

All: 1495.223+/-0.133 χ^2/NDF: 482320.3/97

- sign 1503.351+/-0.186 χ^2/NDF: 324710.6/50

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -183.805+/-201.740 χ^2/NDF: 28.5/22

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 400.685+/-189.609 χ^2/NDF: 31.9/27

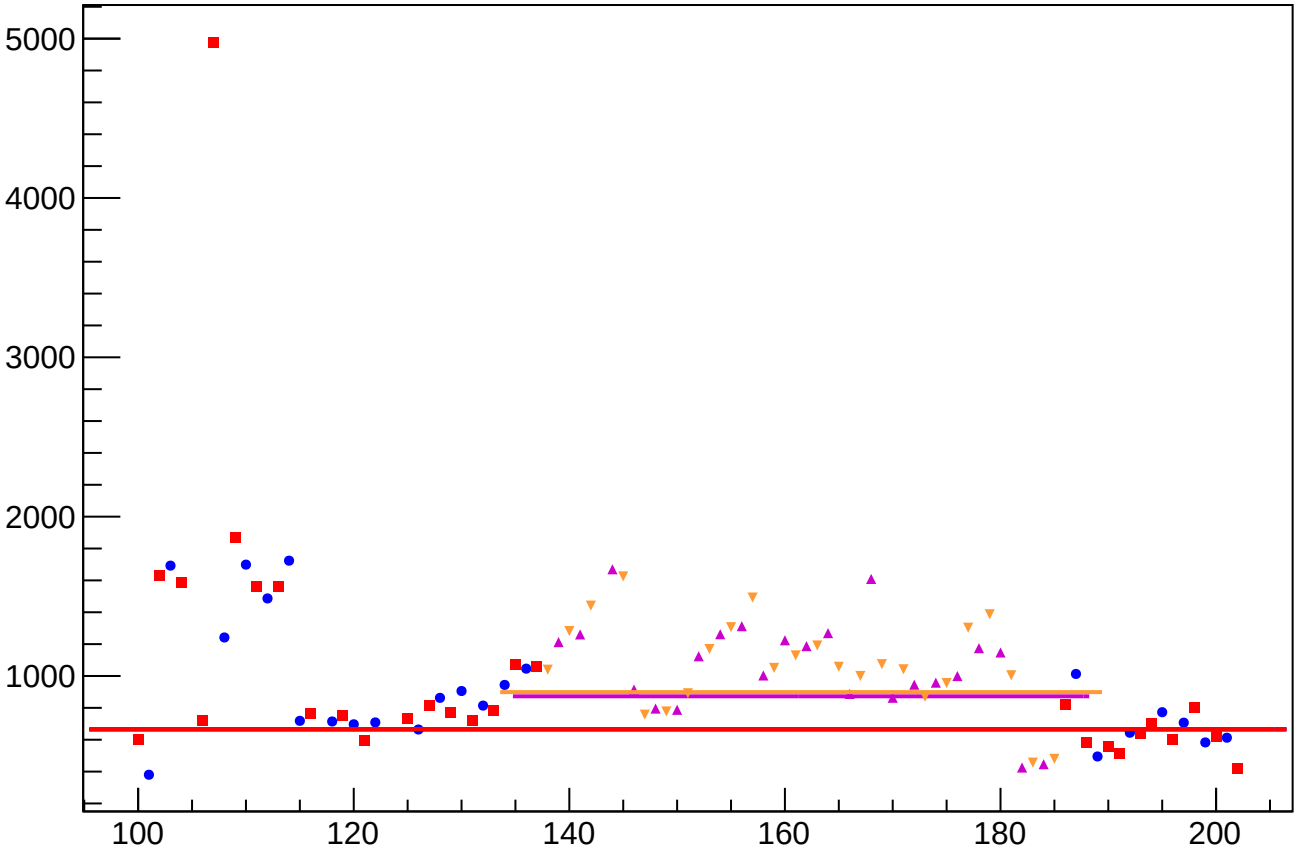
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -209.369+/-149.237 χ^2/NDF: 60.9/46

All: 49.585+/-103.326 χ^2/NDF: 112.4/97

\- sign 288.014+/-143.201 χ^2/NDF: 45.7/50

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 663.504+/-0.143 χ^2/NDF: 2711816.2/22

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 667.296+/-0.134 χ^2/NDF: 3319495.1/27

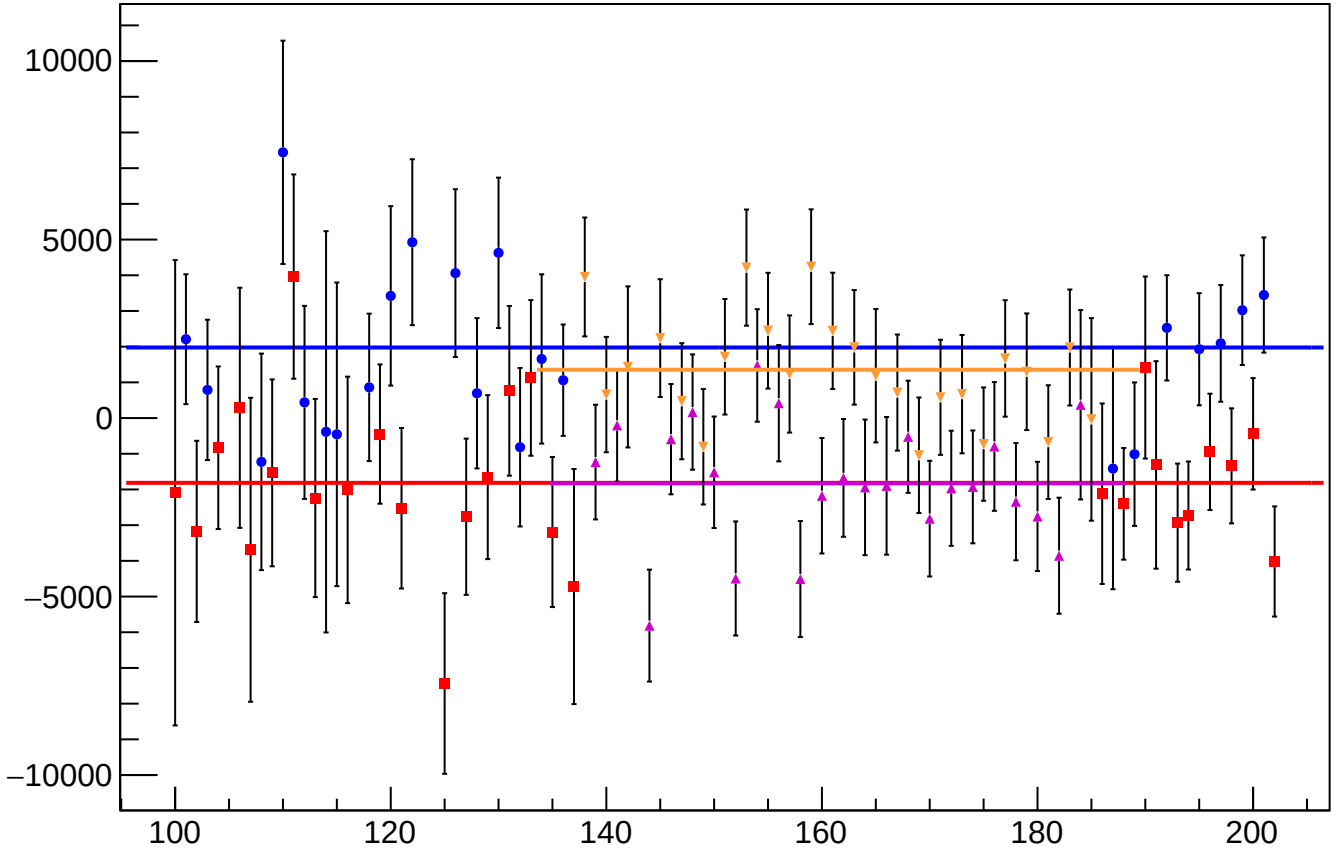
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 770.061+/-0.106 χ^2/NDF: 7735699.1/46

All: 762.450+/-0.073 χ^2/NDF: 16506801.1/97

- sign 755.442+/-0.101 χ^2/NDF: 8761109.5/50

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1976.874+/-431.190 χ^2/NDF: 17.0/22

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1814.329+/-409.421 χ^2/NDF: 20.9/27

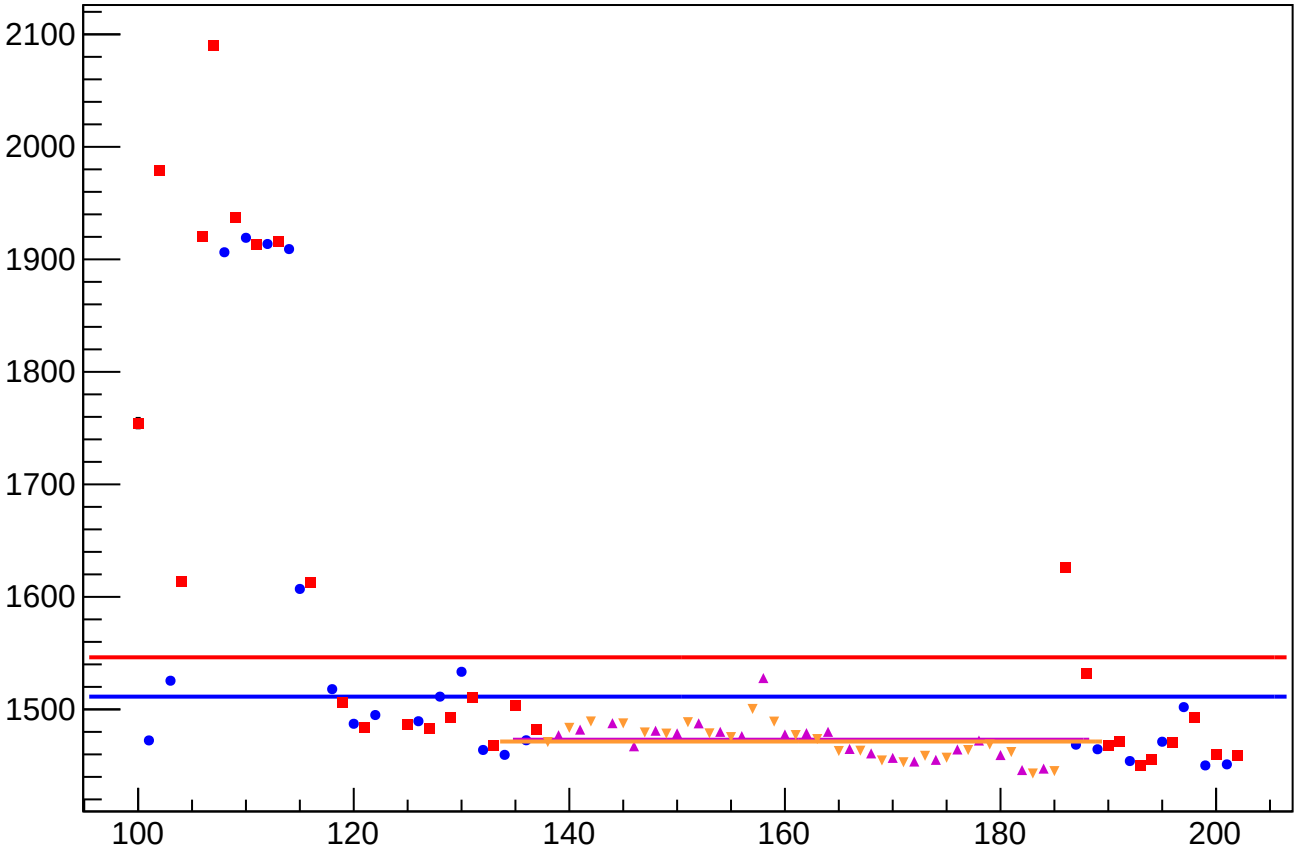
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1593.965+/-267.742 χ^2/NDF: 37.2/46

All: -142.493+/-187.752 χ^2/NDF: 166.7/97

- sign -1822.491+/-263.354 χ^2/NDF: 46.7/50

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1511.338+/-0.305 χ^2/NDF: 139775.5/22

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

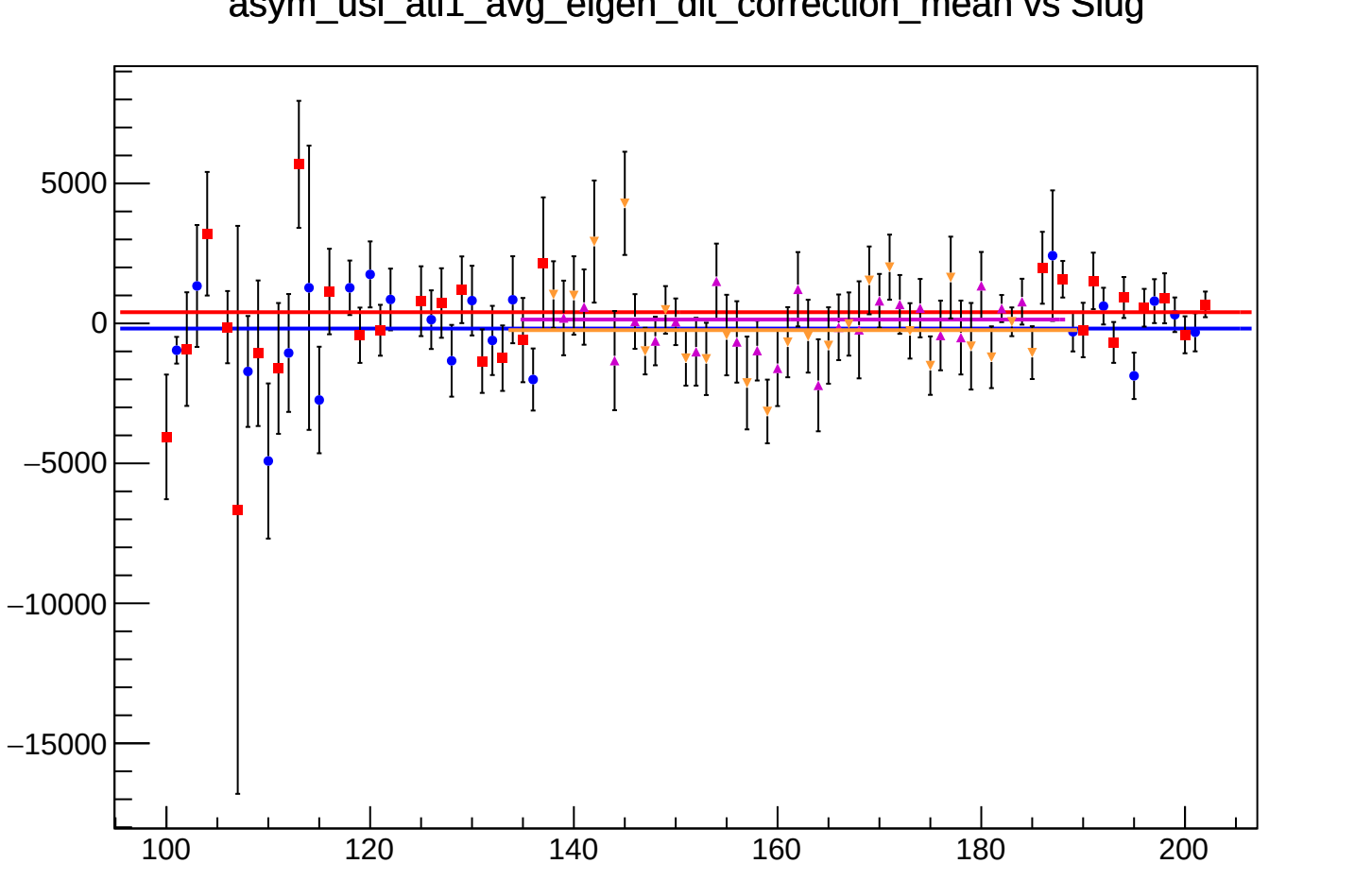
Right Out: 1546.286+/-0.290 χ^2/NDF: 282441.4/27

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1486.821+/-0.189 χ^2/NDF: 153735.3/46

All: 1495.222+/-0.133 χ^2/NDF: 482319.7/97

- sign 1503.351+/-0.186 χ^2/NDF: 324710.1/50



Right In: -183.805+/-201.740 χ^2/NDF: 28.5/22

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

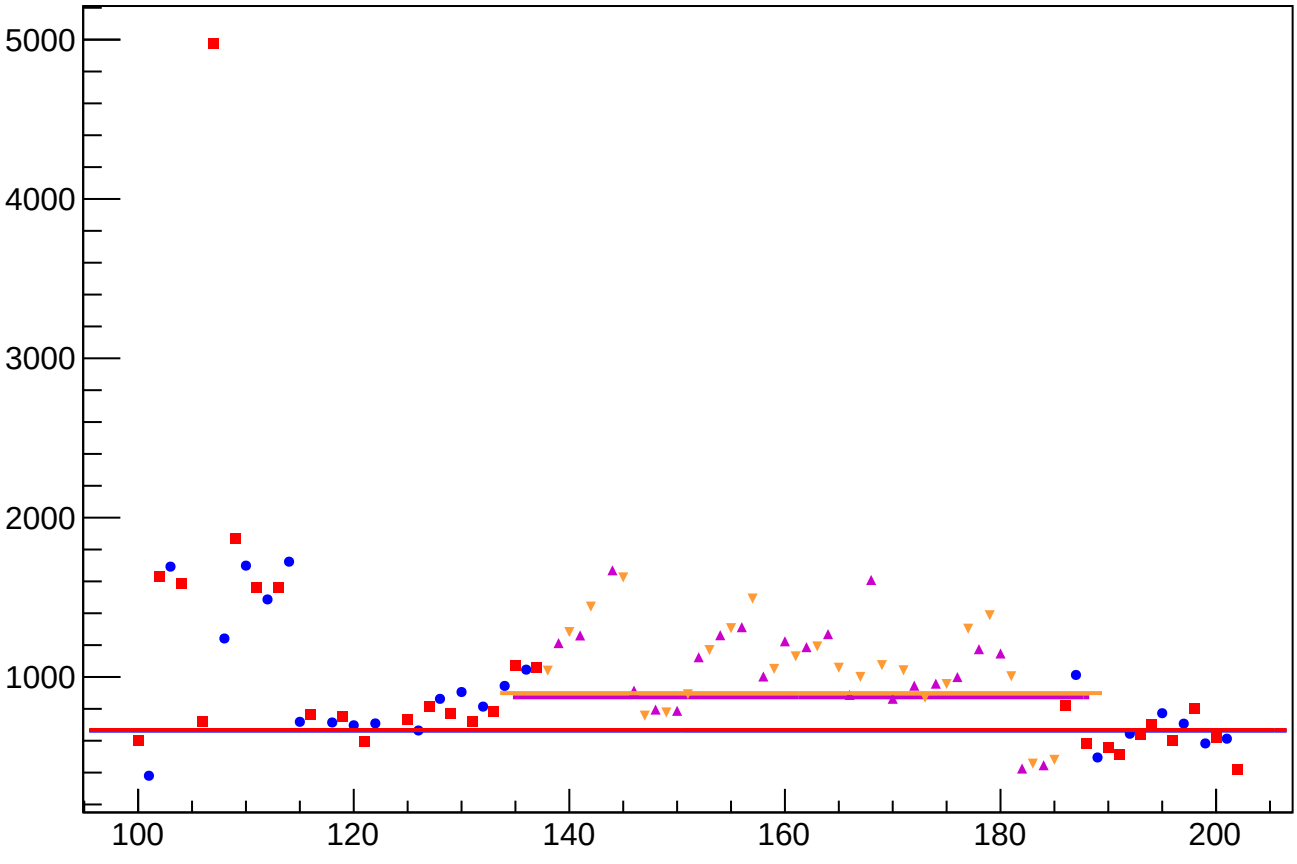
Right Out: 400.684+/-189.609 χ^2/NDF: 31.9/27

Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -209.370+/-149.237 χ^2/NDF: 60.9/46

All: 49.584+/-103.326 χ^2/NDF: 112.4/97

- sign 288.014+/-143.201 χ^2/NDF: 45.7/50



Right In: 663.504+/-0.143 χ^2/NDF: 2711808.5/22

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 667.296+/-0.134 χ^2/NDF: 3319491.9/27

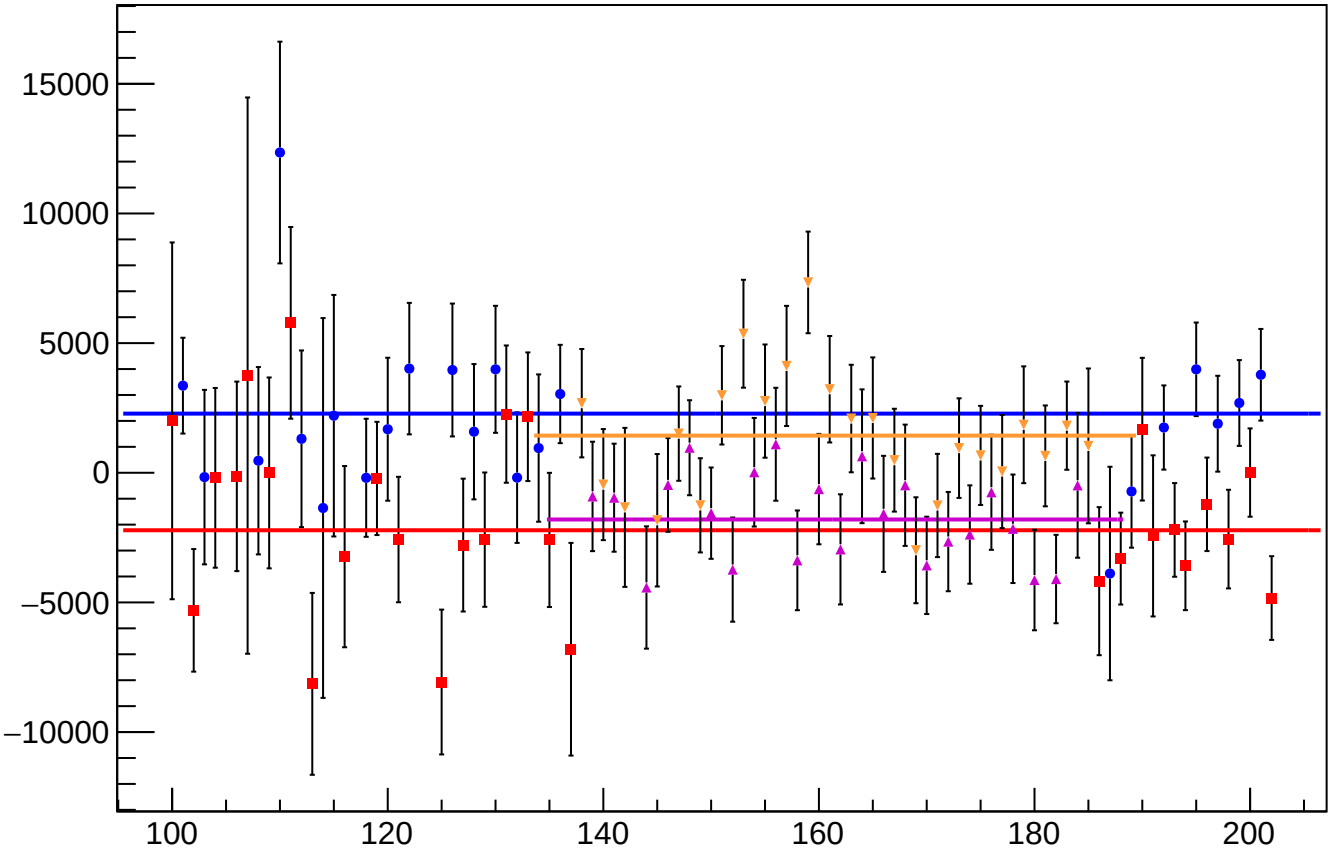
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 770.062+/-0.106 χ^2/NDF: 7735705.3/46

All: 762.450+/-0.073 χ^2/NDF: 16506819.0/97

- sign 755.442+/-0.101 χ^2/NDF: 8761121.0/50

asym_usl_atl1_avg_mean vs Slug



Right In: 2281.372+/-493.559 χ^2/NDF: 17.0/22

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2216.779+/-464.242 χ^2/NDF: 31.8/27

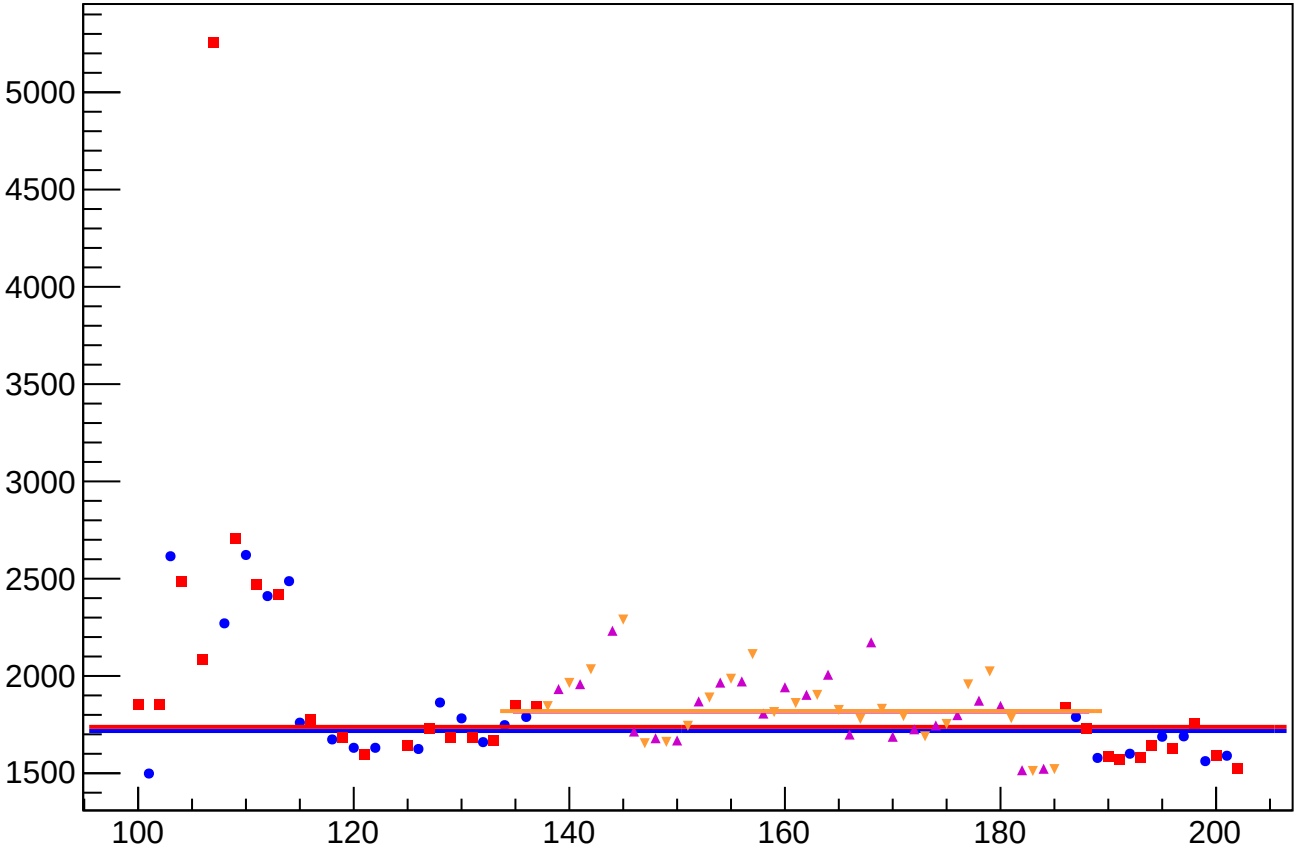
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1793.875+/-321.822 χ^2/NDF: 48.1/46

All: -144.993+/-224.772 χ^2/NDF: 166.5/97

- sign -1991.590+/-314.071 χ^2/NDF: 47.5/50

asym_usl_atl1_avg_rms vs Slug



Right In: 1716.945+/-0.349 χ^2/NDF: 479551.3/22

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1738.439+/-0.328 χ^2/NDF: 736157.9/27

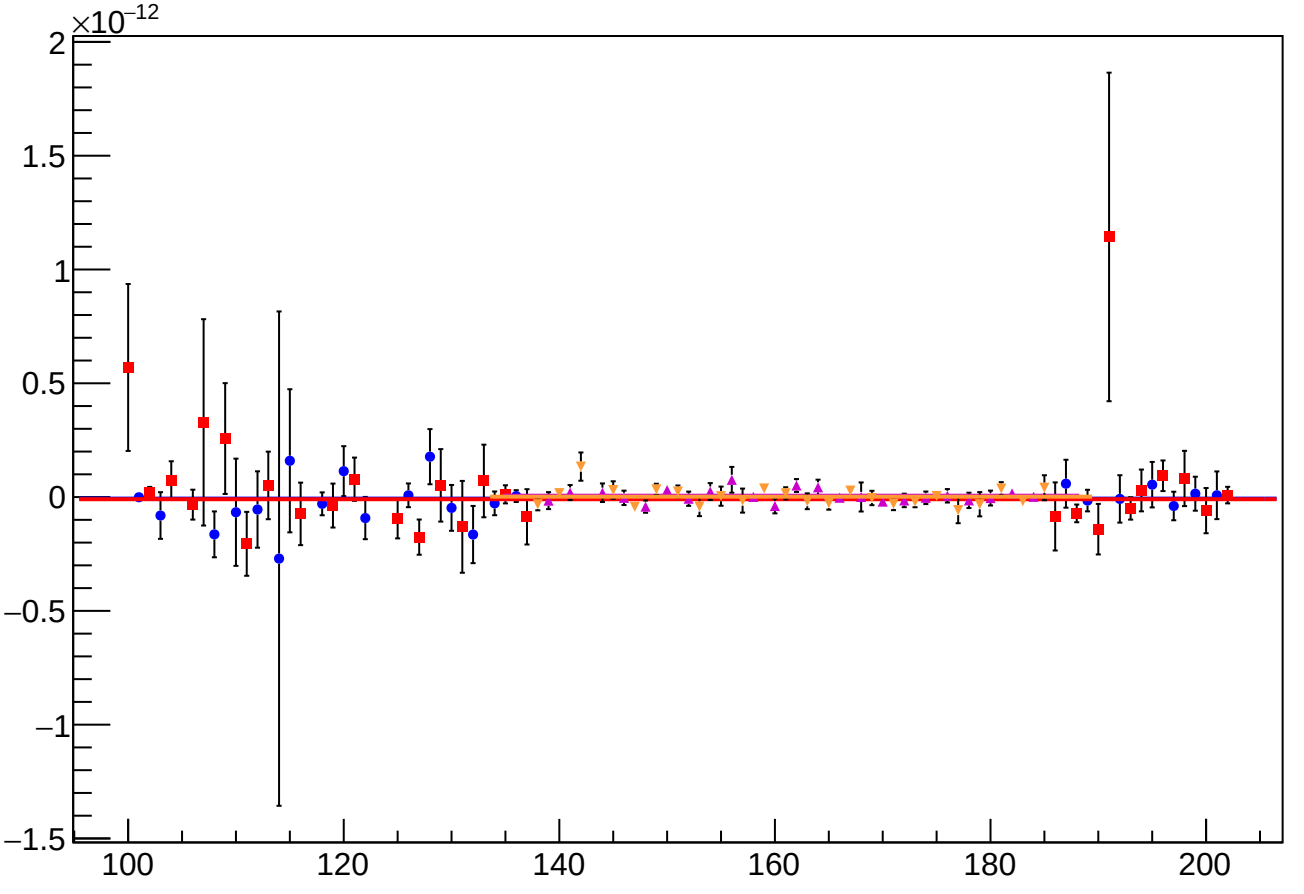
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1775.850+/-0.228 χ^2/NDF: 824124.3/46

All: 1778.550+/-0.159 χ^2/NDF: 1898832.5/97

- sign 1781.121+/-0.222 χ^2/NDF: 1074433.5/50

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

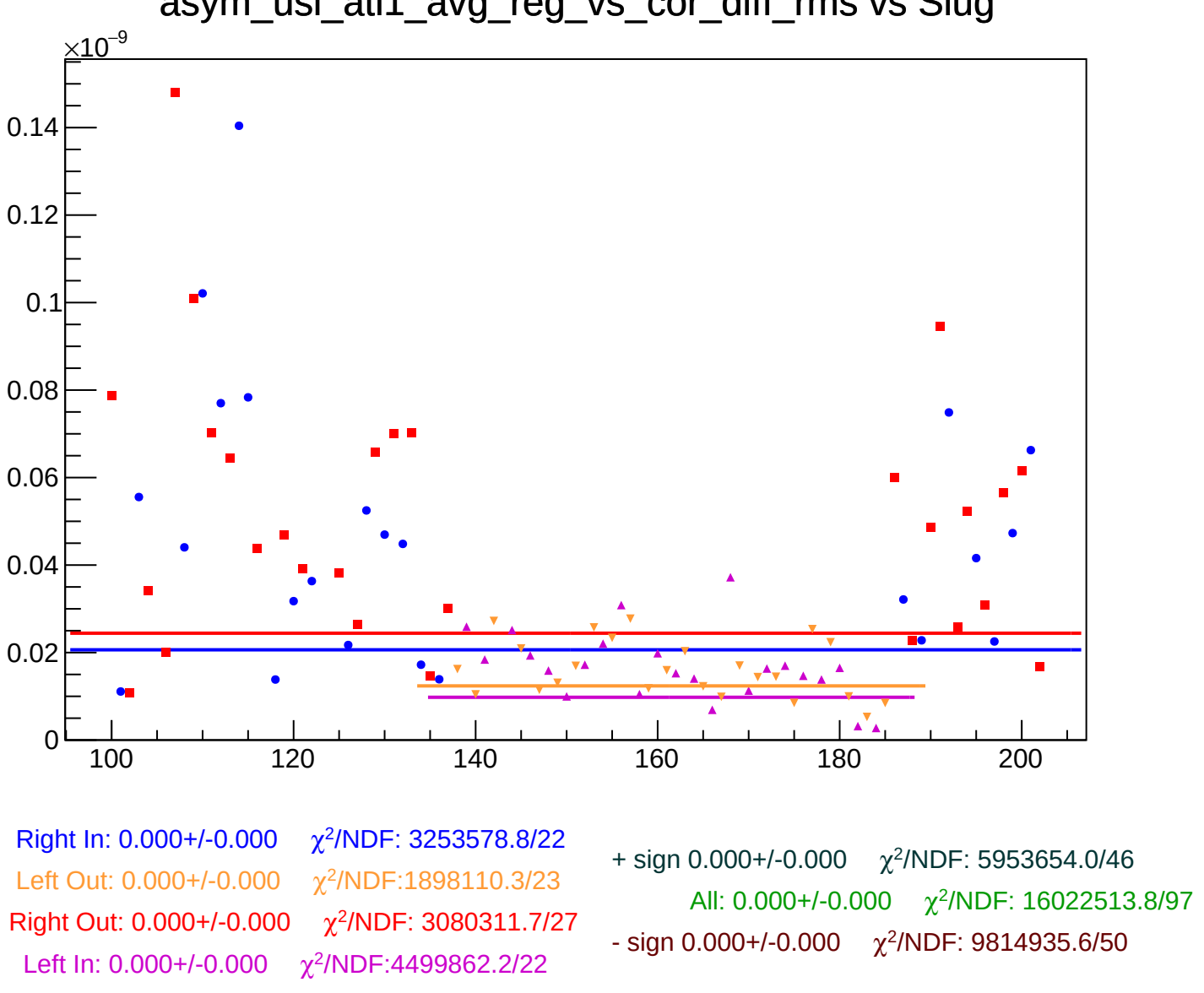
Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/27

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

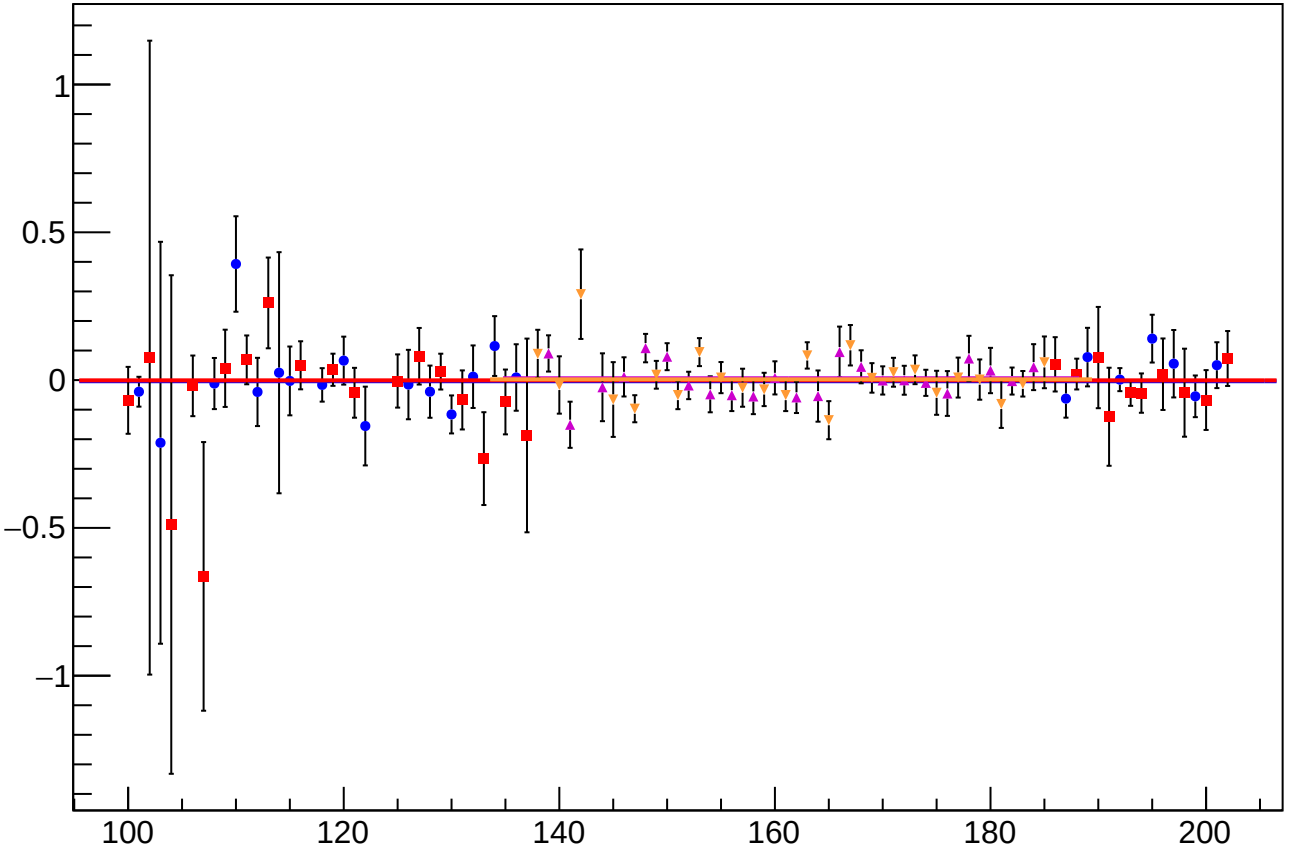
+ sign 0.000+/-0.000 χ^2/NDF: 41.2/46

All: 0.000+/-0.000 χ^2/NDF: 88.7/97

- sign 0.000+/-0.000 χ^2/NDF: 47.1/50


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
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3253578.8/22
Left Out: 0.000+/-0.000 χ²/NDF:1898110.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3080311.7/27
Left In: 0.000+/-0.000 χ²/NDF:4499862.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5953654.0/46
All: 0.000+/-0.000 χ²/NDF: 16022513.8/97
- sign 0.000+/-0.000 χ²/NDF: 9814935.6/50

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.017 χ^2/NDF: 19.5/22

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.017 χ^2/NDF: 16.5/27

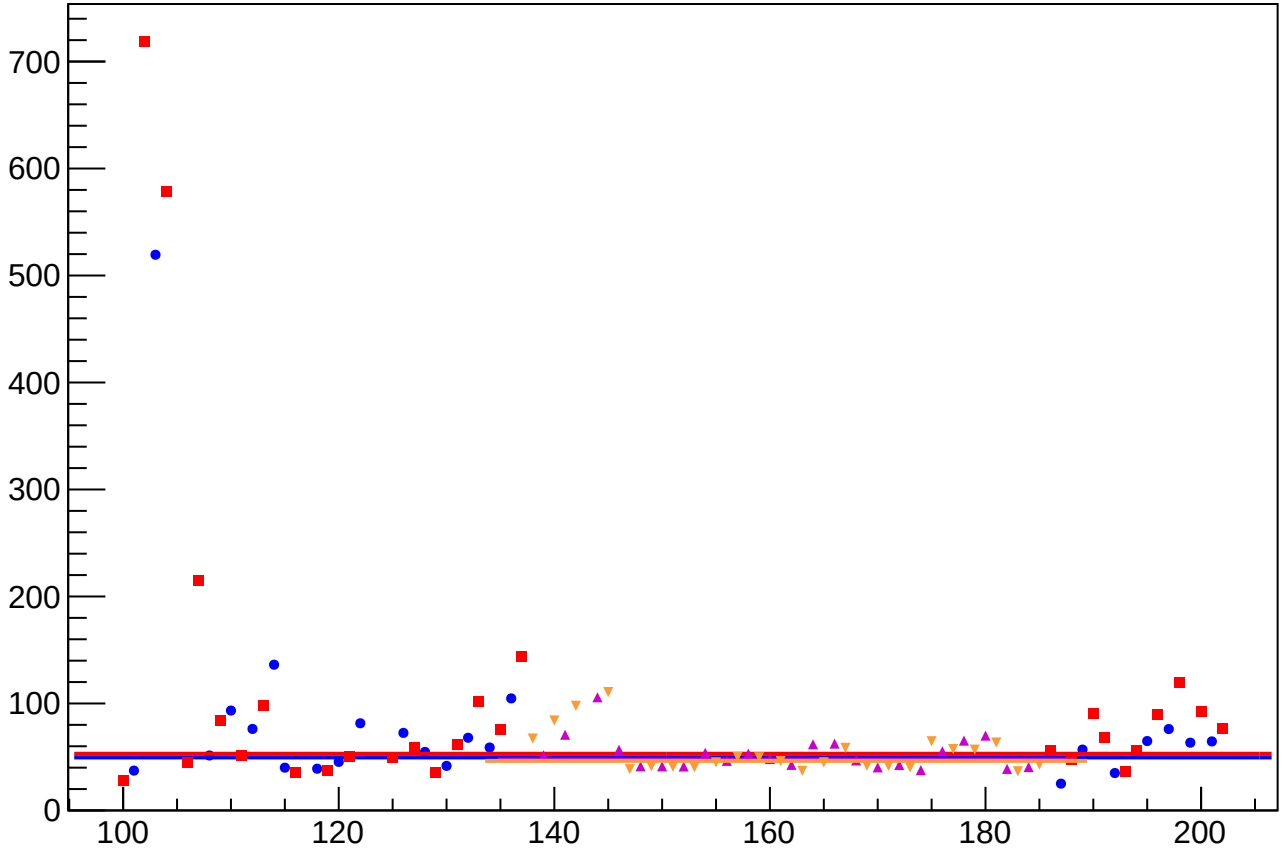
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.000+/-0.010 χ^2/NDF: 49.4/46

All: 0.002+/-0.007 χ^2/NDF: 87.7/97

- sign 0.004+/-0.010 χ^2/NDF: 38.2/50

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.563+/-0.012 χ^2/NDF: 3206000.5/22

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 52.990+/-0.012 χ^2/NDF: 4518509.5/27

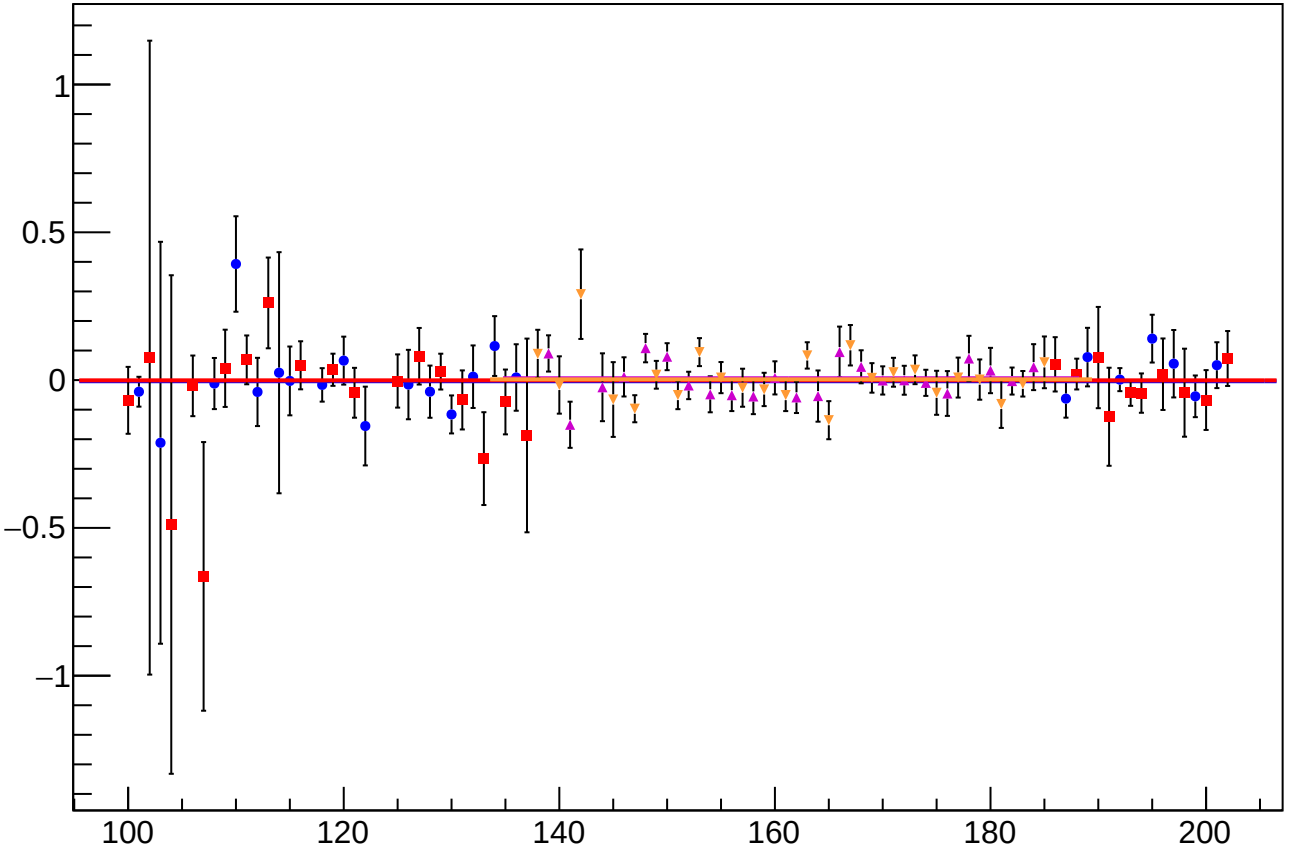
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.426+/-0.007 χ^2/NDF: 5222438.1/46

All: 48.391+/-0.005 χ^2/NDF: 11491110.2/97

- sign 49.392+/-0.007 χ^2/NDF: 6228417.4/50

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.017 χ^2/NDF: 19.5/22

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.017 χ^2/NDF: 16.5/27

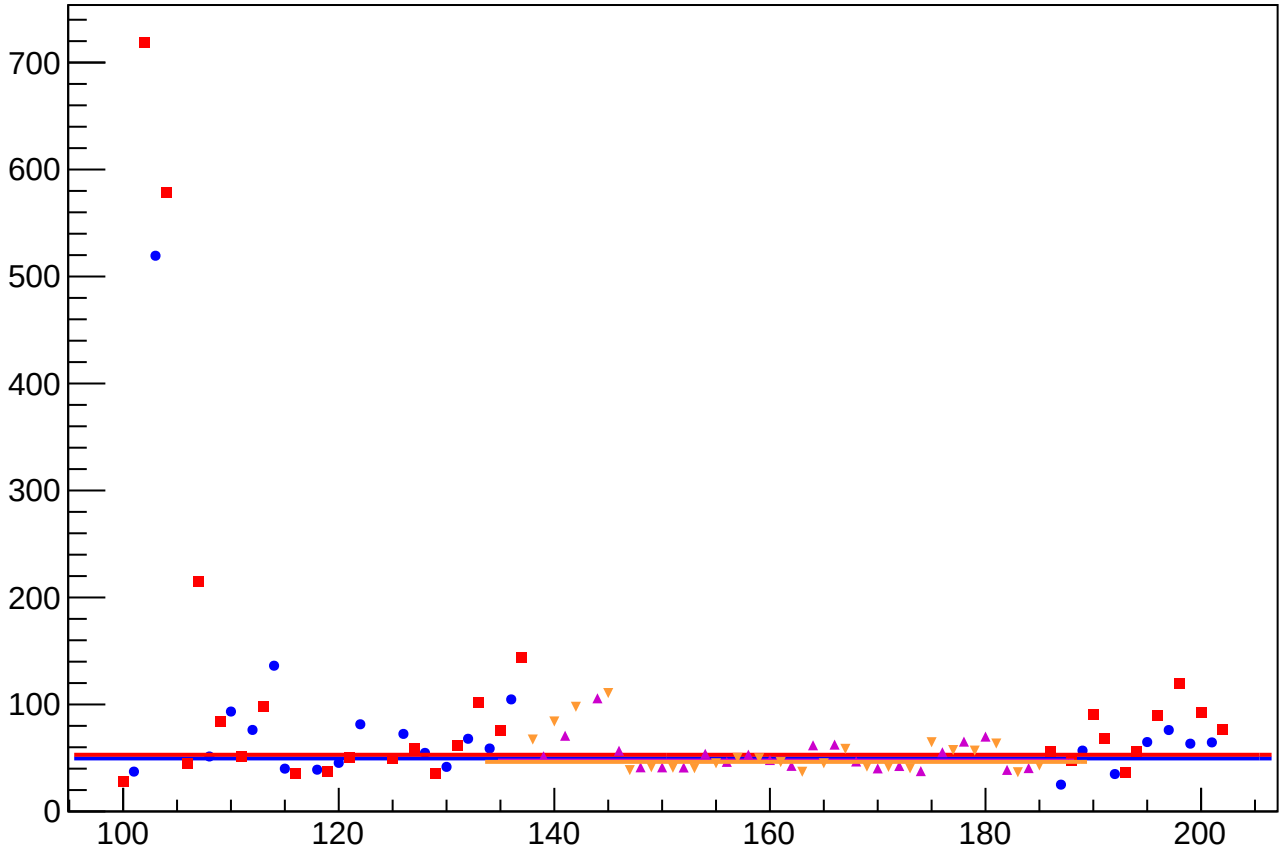
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign 0.000+/-0.010 χ^2/NDF: 49.4/46

All: 0.002+/-0.007 χ^2/NDF: 87.7/97

\- sign 0.004+/-0.010 χ^2/NDF: 38.2/50

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.563+/-0.012 χ^2/NDF: 3206000.5/22

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

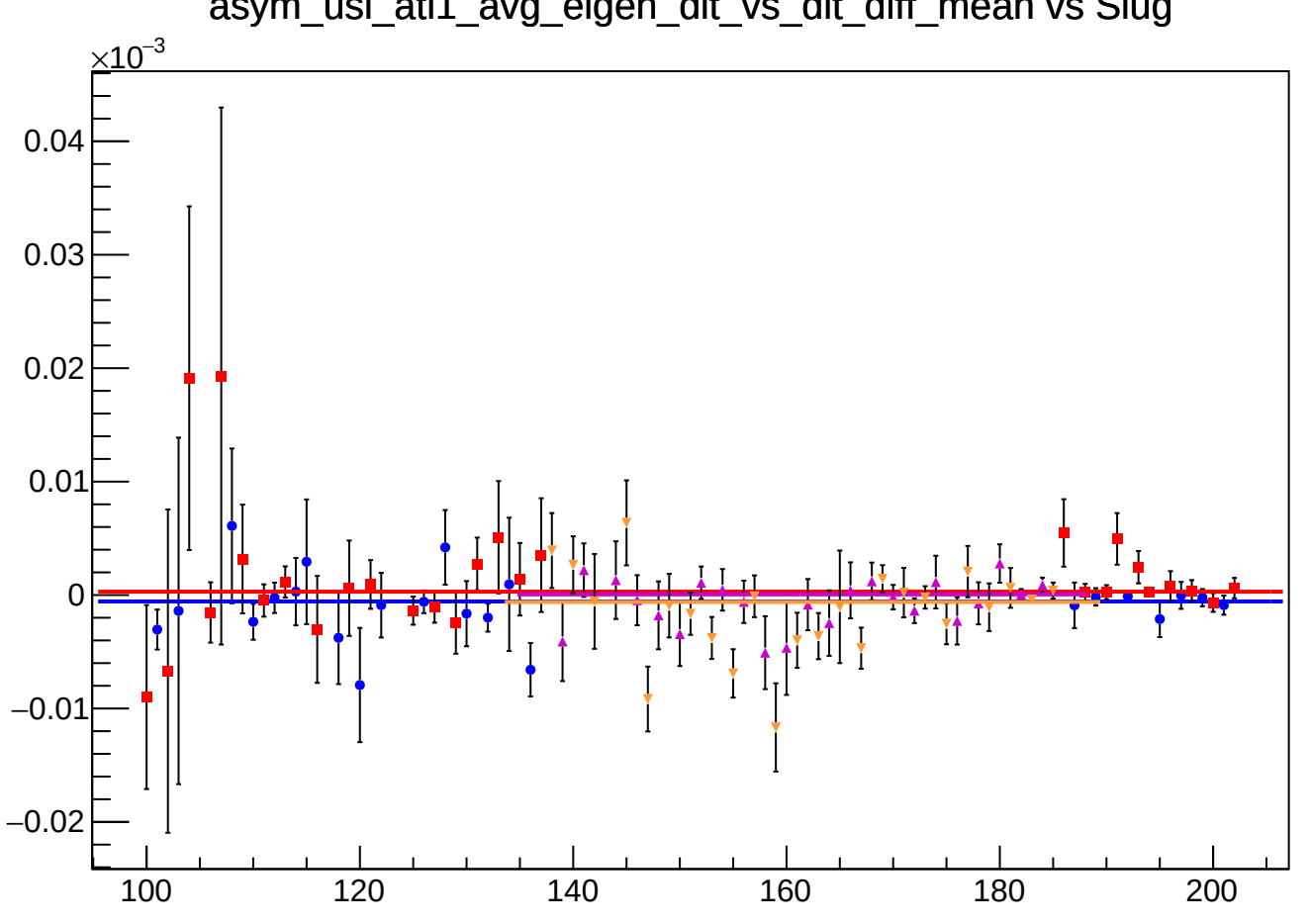
Right Out: 52.990+/-0.012 χ^2/NDF: 4518509.5/27

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.426+/-0.007 χ^2/NDF: 5222438.1/46

All: 48.391+/-0.005 χ^2/NDF: 11491110.2/97

- sign 49.392+/-0.007 χ^2/NDF: 6228417.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

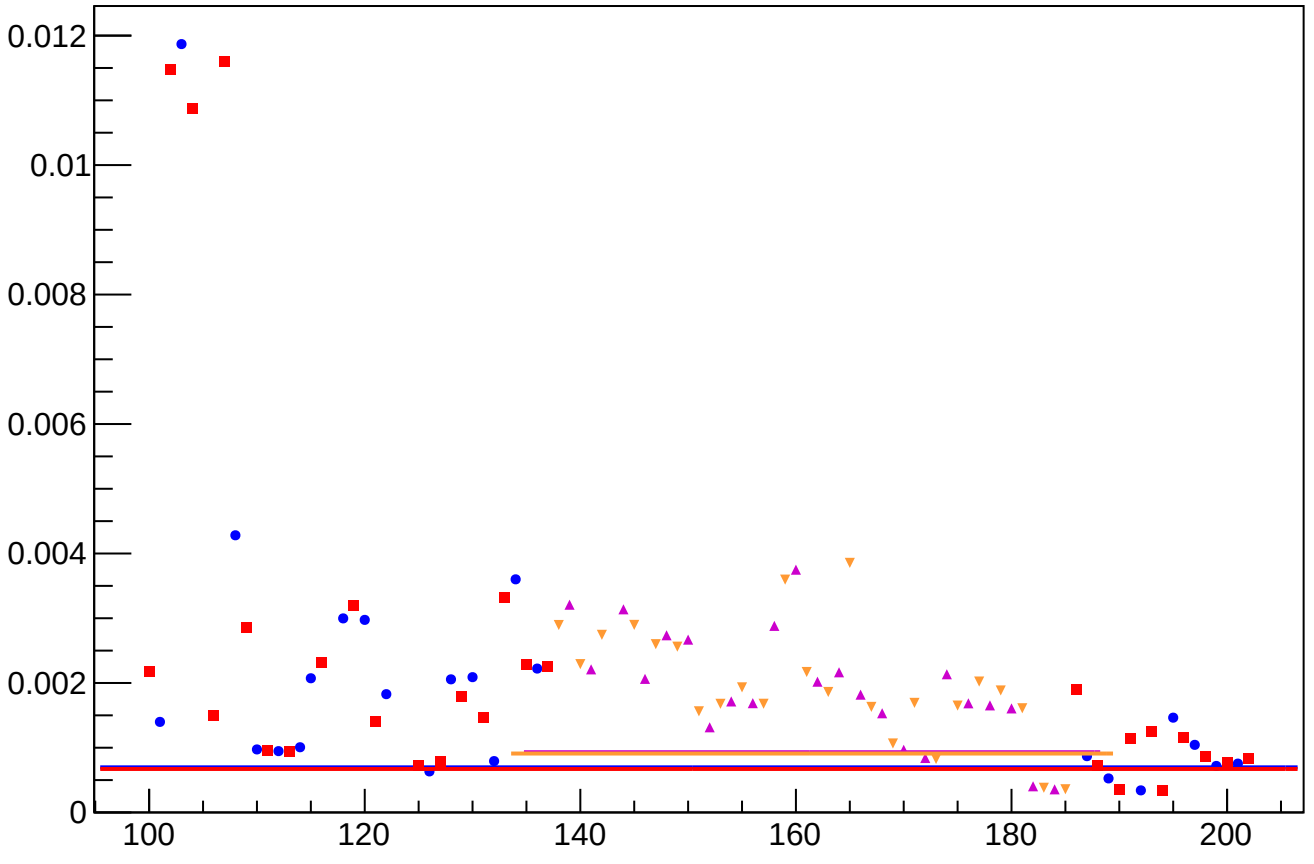
Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/27

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.7/46

All: -0.000+/-0.000 χ^2/NDF: 125.9/97

- sign 0.000+/-0.000 χ^2/NDF: 41.7/50



Right In: 0.001+/-0.000 χ^2/NDF: 8008394.5/22

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9696586.8/27

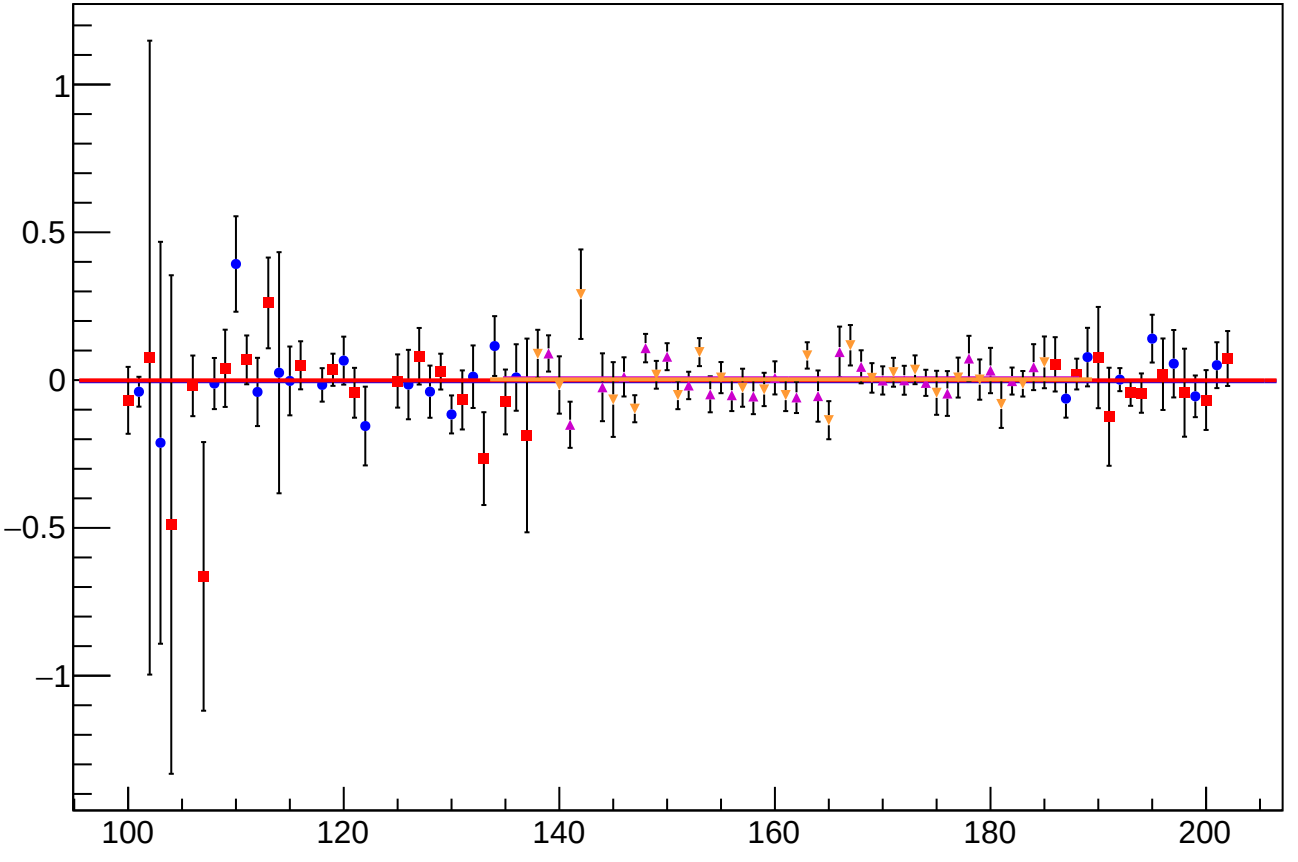
Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 22796158.8/46

All: 0.001+/-0.000 χ^2/NDF: 47226344.3/97

- sign 0.001+/-0.000 χ^2/NDF: 24417967.0/50

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.017 χ^2/NDF: 19.5/22

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.017 χ^2/NDF: 16.5/27

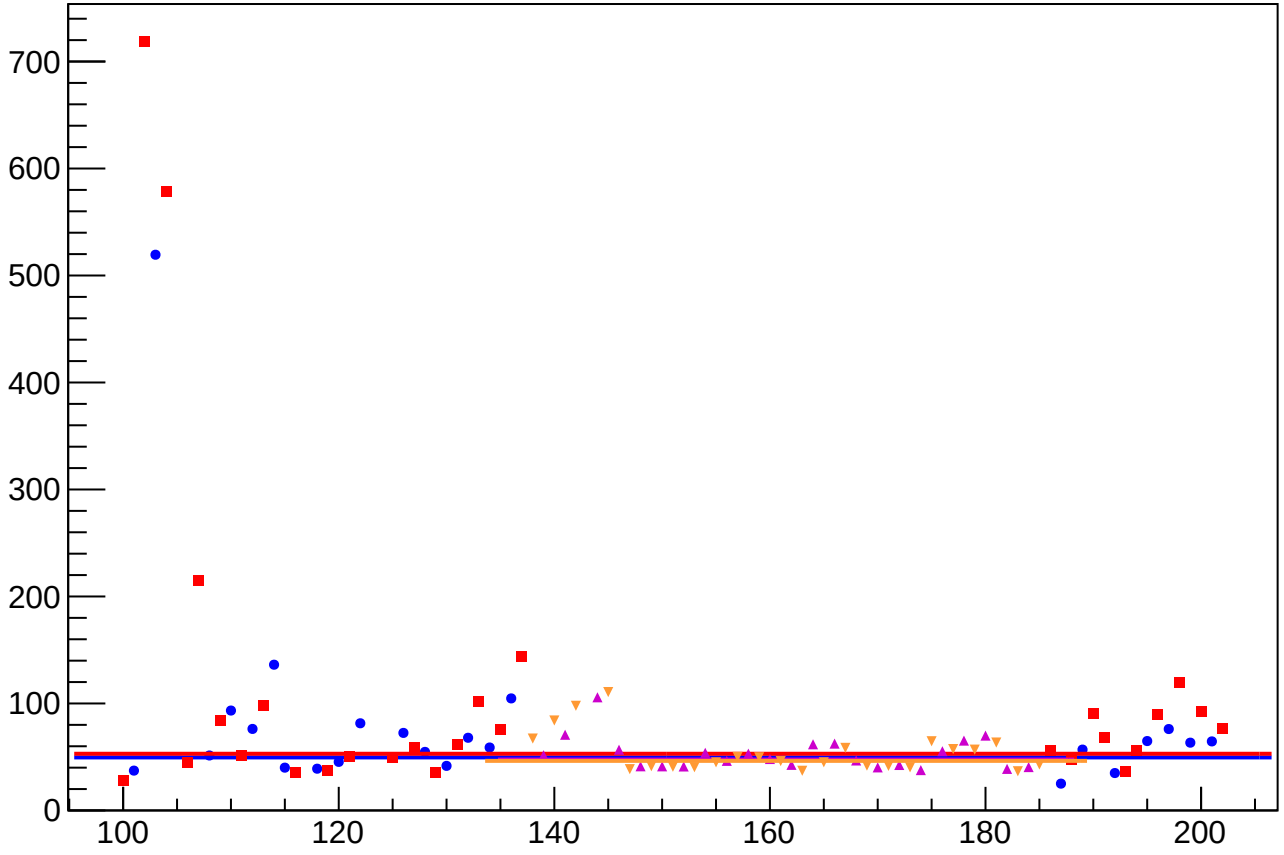
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign 0.000+/-0.010 χ^2/NDF: 49.4/46

All: 0.002+/-0.007 χ^2/NDF: 87.7/97

\- sign 0.004+/-0.010 χ^2/NDF: 38.2/50

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.563+/-0.012 χ^2/NDF: 3206002.8/22

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

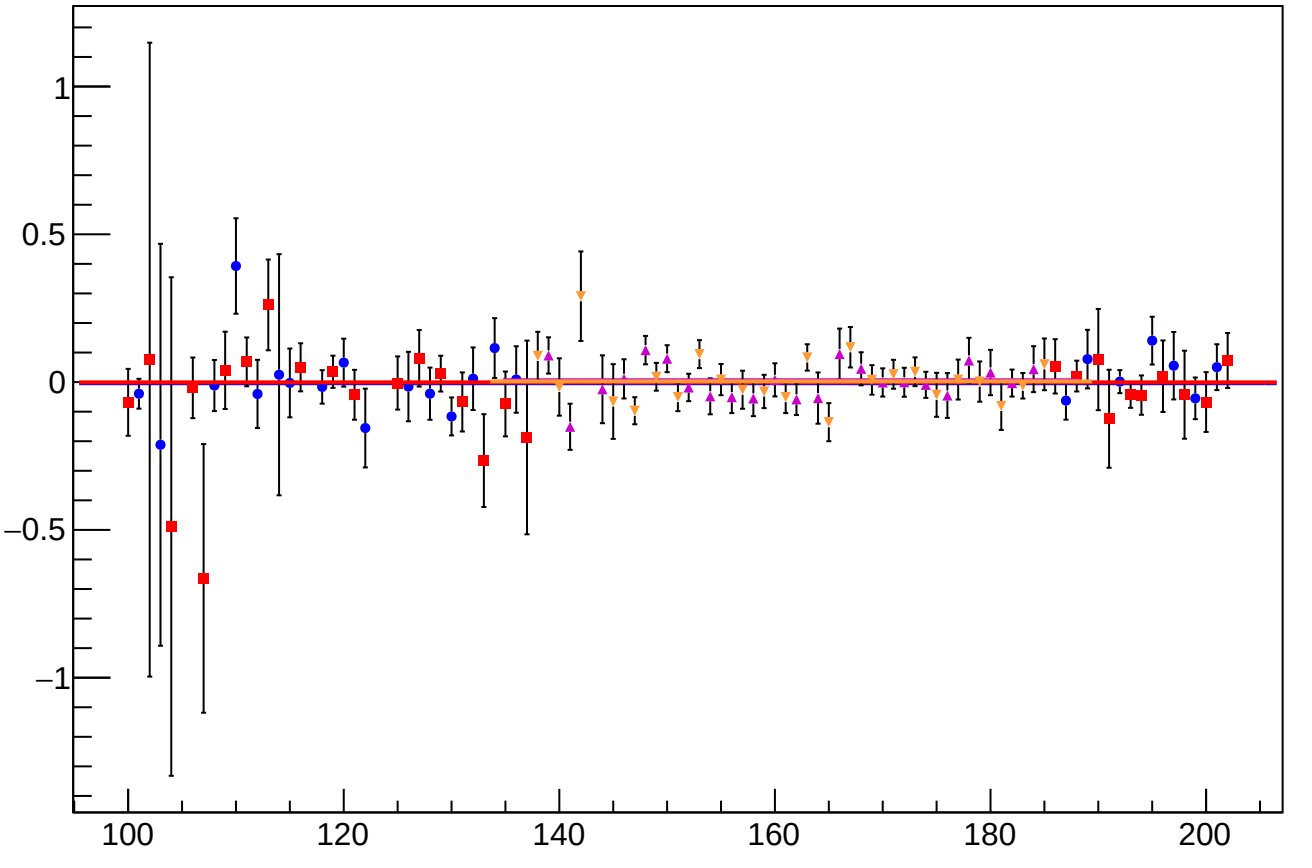
Right Out: 52.990+/-0.012 χ^2/NDF: 4518523.7/27

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.426+/-0.007 χ^2/NDF: 5222421.4/46

All: 48.391+/-0.005 χ^2/NDF: 11491094.9/97

- sign 49.392+/-0.007 χ^2/NDF: 6228423.7/50



Right In: -0.004+/-0.017 χ^2/NDF: 19.5/22

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

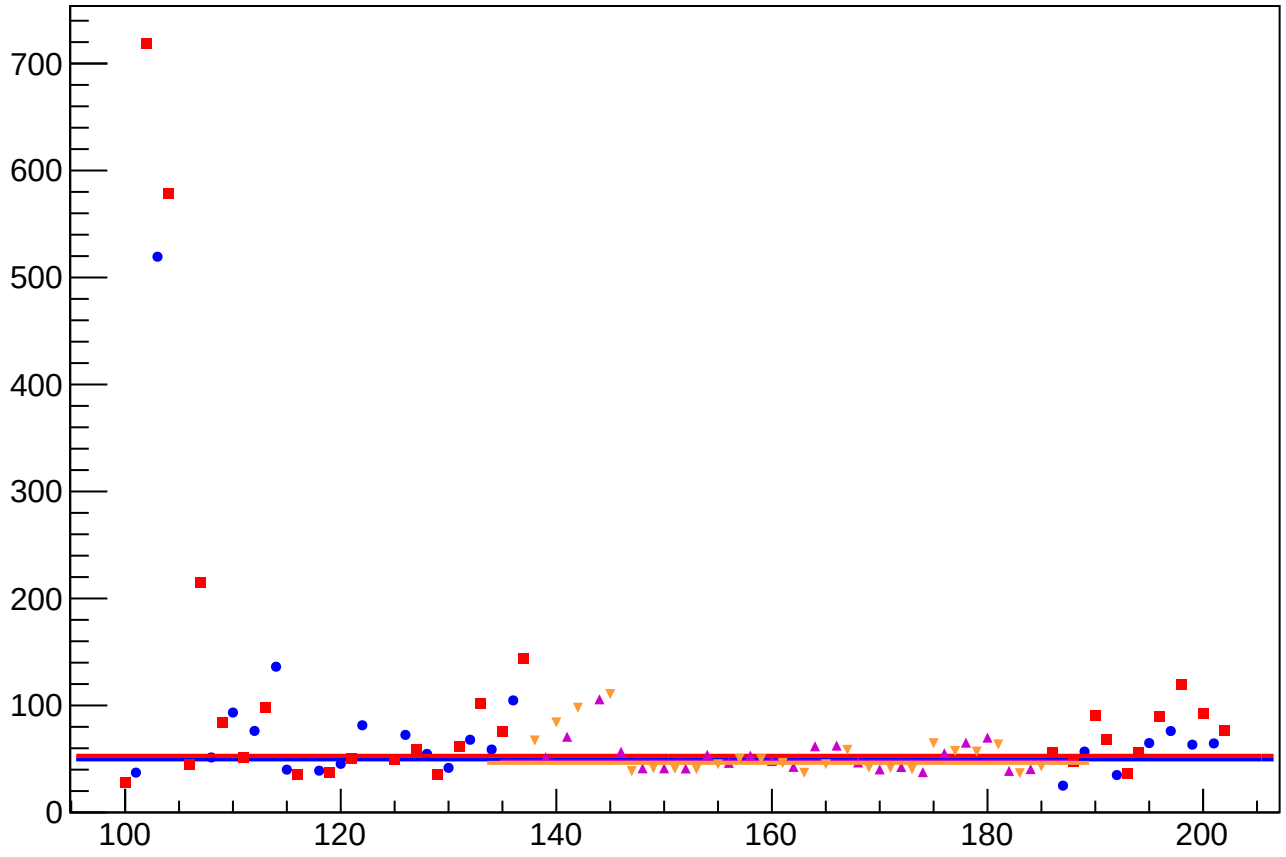
Right Out: -0.001+/-0.017 χ^2/NDF: 16.5/27

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.000+/-0.010 χ^2/NDF: 49.4/46

All: 0.002+/-0.007 χ^2/NDF: 87.7/97

- sign 0.004+/-0.010 χ^2/NDF: 38.2/50



Right In: 49.563+/-0.012 χ^2/NDF: 3206002.8/22

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

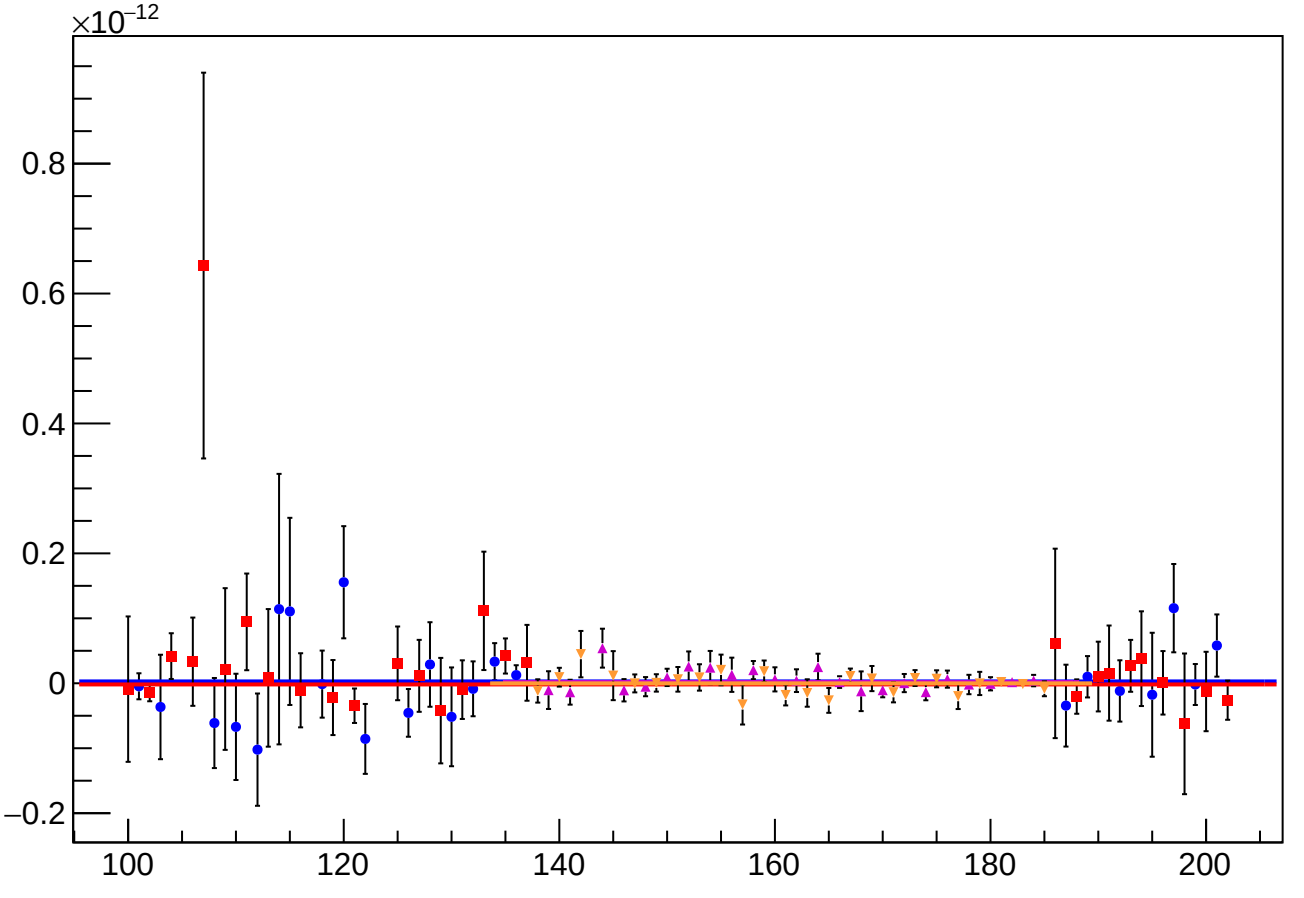
Right Out: 52.990+/-0.012 χ^2/NDF: 4518523.7/27

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.426+/-0.007 χ^2/NDF: 5222421.4/46

All: 48.391+/-0.005 χ^2/NDF: 11491094.9/97

- sign 49.392+/-0.007 χ^2/NDF: 6228423.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

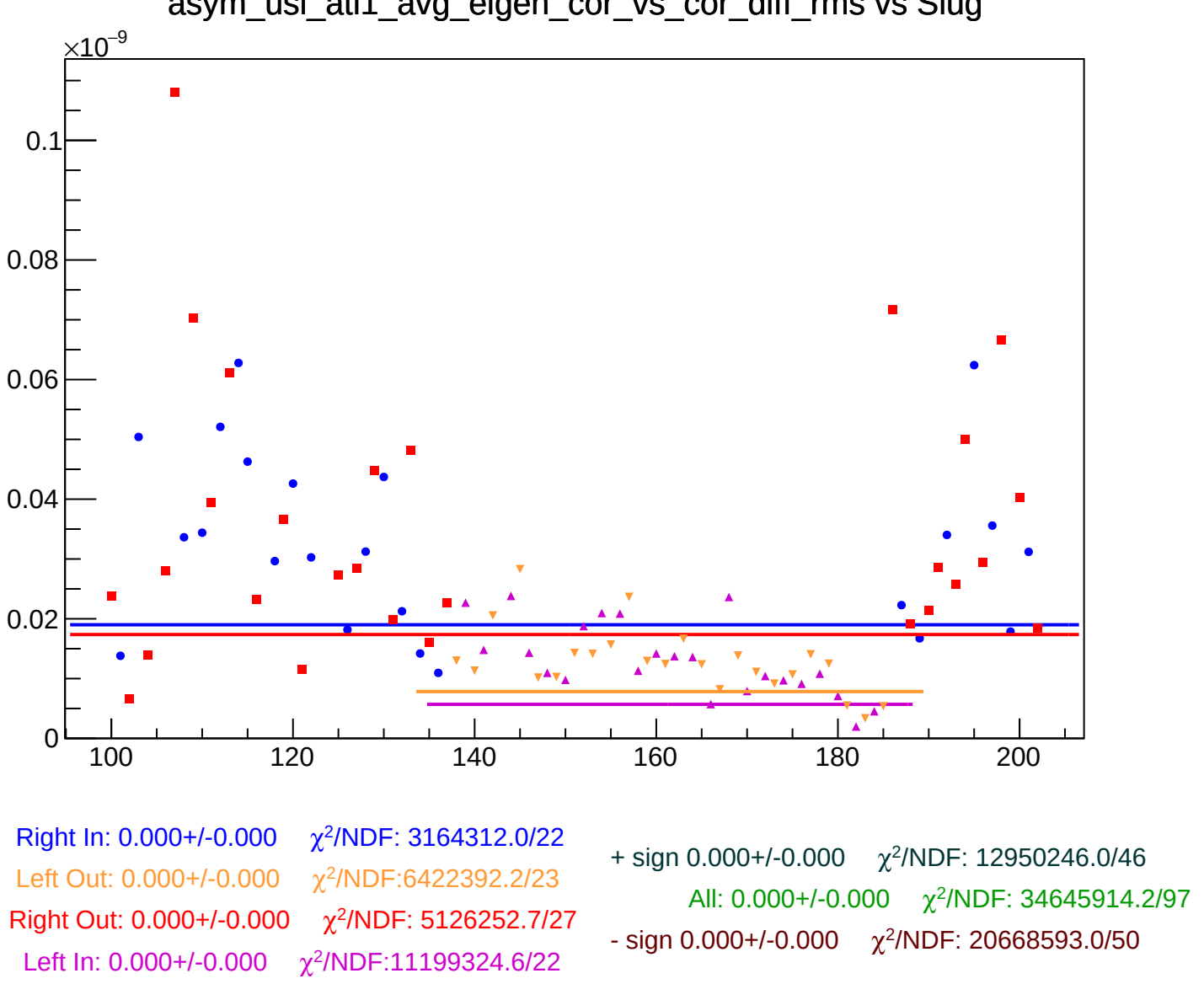
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/27

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

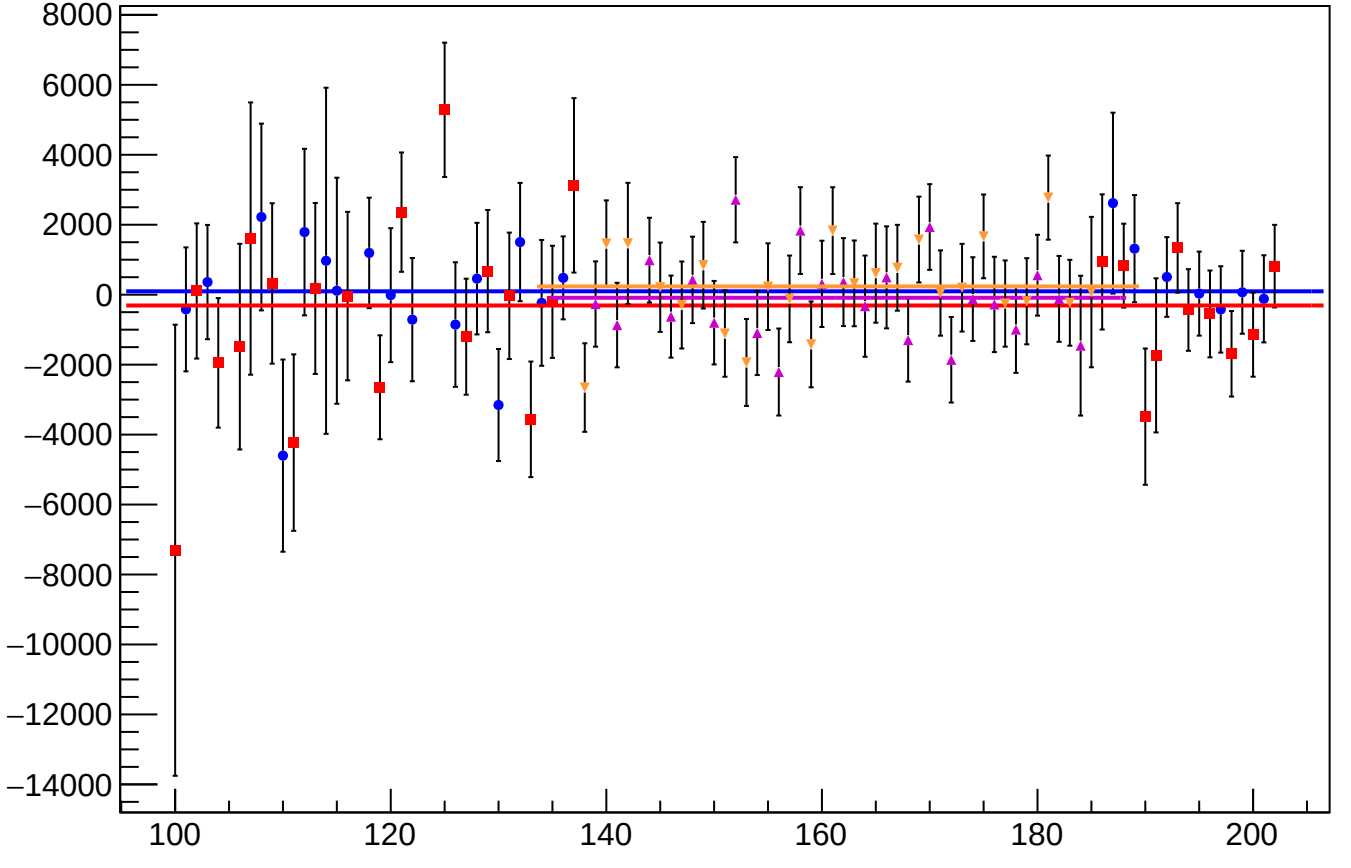
+ sign 0.000+/-0.000 χ^2/NDF: 32.8/46

All: 0.000+/-0.000 χ^2/NDF: 65.3/97

- sign 0.000+/-0.000 χ^2/NDF: 32.2/50


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3164312.0/22
Left Out: 0.000+/-0.000 χ²/NDF:6422392.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 5126252.7/27
Left In: 0.000+/-0.000 χ²/NDF:11199324.6/22
+ sign 0.000+/-0.000 χ²/NDF: 12950246.0/46
All: 0.000+/-0.000 χ²/NDF: 34645914.2/97
- sign 0.000+/-0.000 χ²/NDF: 20668593.0/50

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 96.868+/-337.240 χ^2/NDF: 12.1/22

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -308.570+/-317.202 χ^2/NDF: 33.6/27

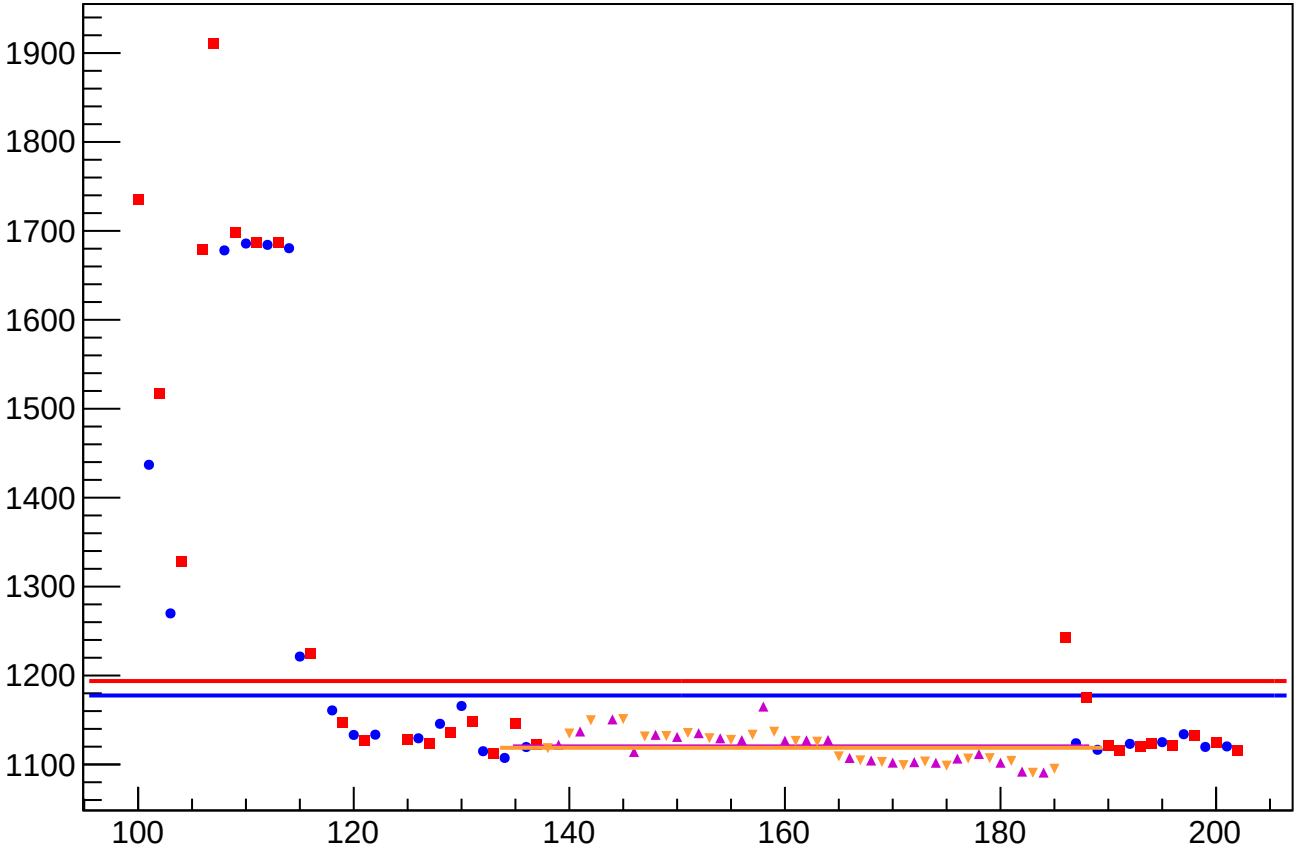
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 184.592+/-205.745 χ^2/NDF: 34.9/46

All: 0.052+/-144.076 χ^2/NDF: 91.2/97

- sign -177.517+/-201.821 χ^2/NDF: 54.7/50

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1177.543+/-0.238 χ^2/NDF: 339057.3/22

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1193.796+/-0.224 χ^2/NDF: 528216.0/27

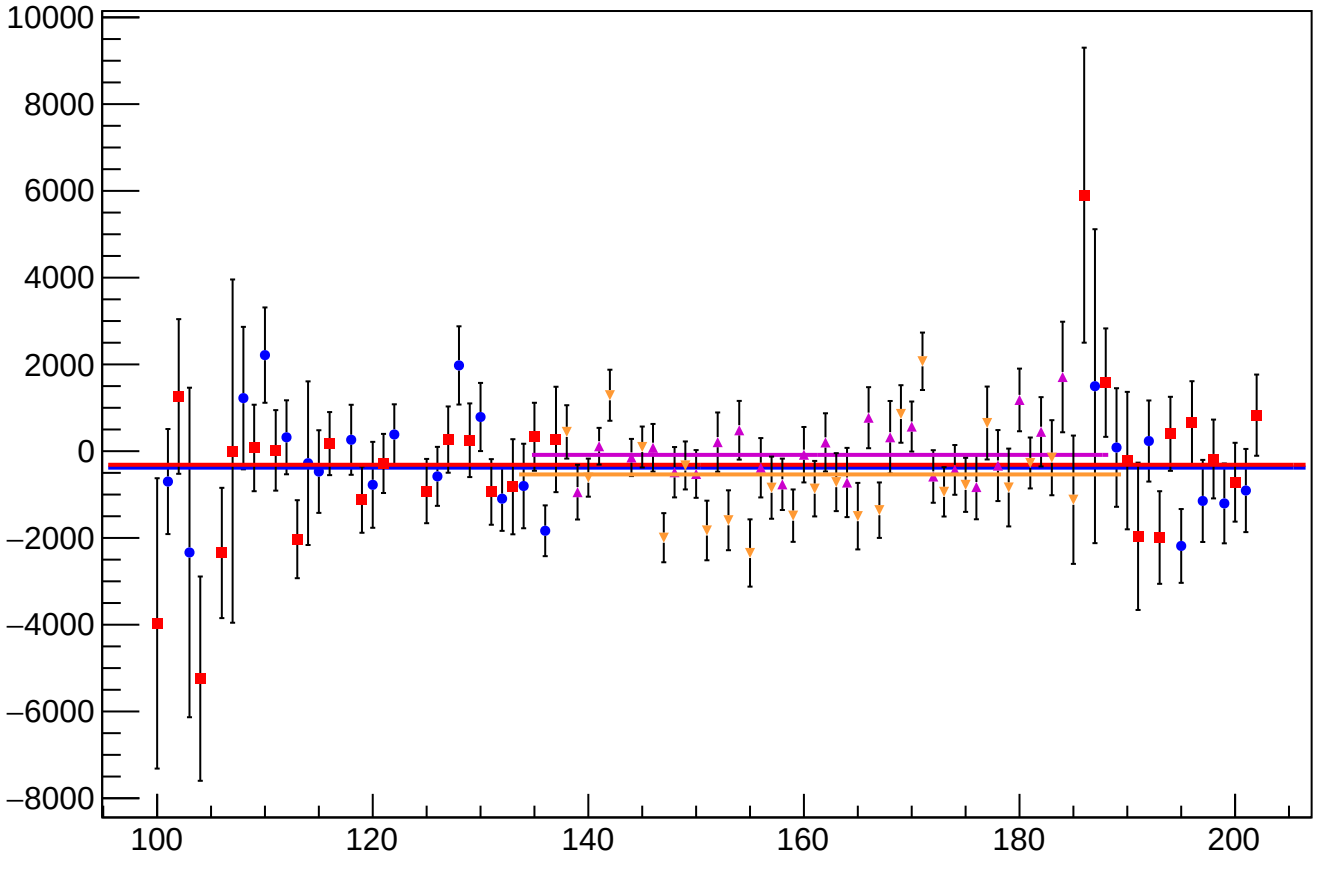
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1140.622+/-0.145 χ^2/NDF: 385445.2/46

All: 1145.431+/-0.102 χ^2/NDF: 989174.6/97

- sign 1150.057+/-0.143 χ^2/NDF: 601585.9/50

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -379.596+/-193.686 χ^2/NDF: 33.0/22

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -313.187+/-187.513 χ^2/NDF: 29.6/27

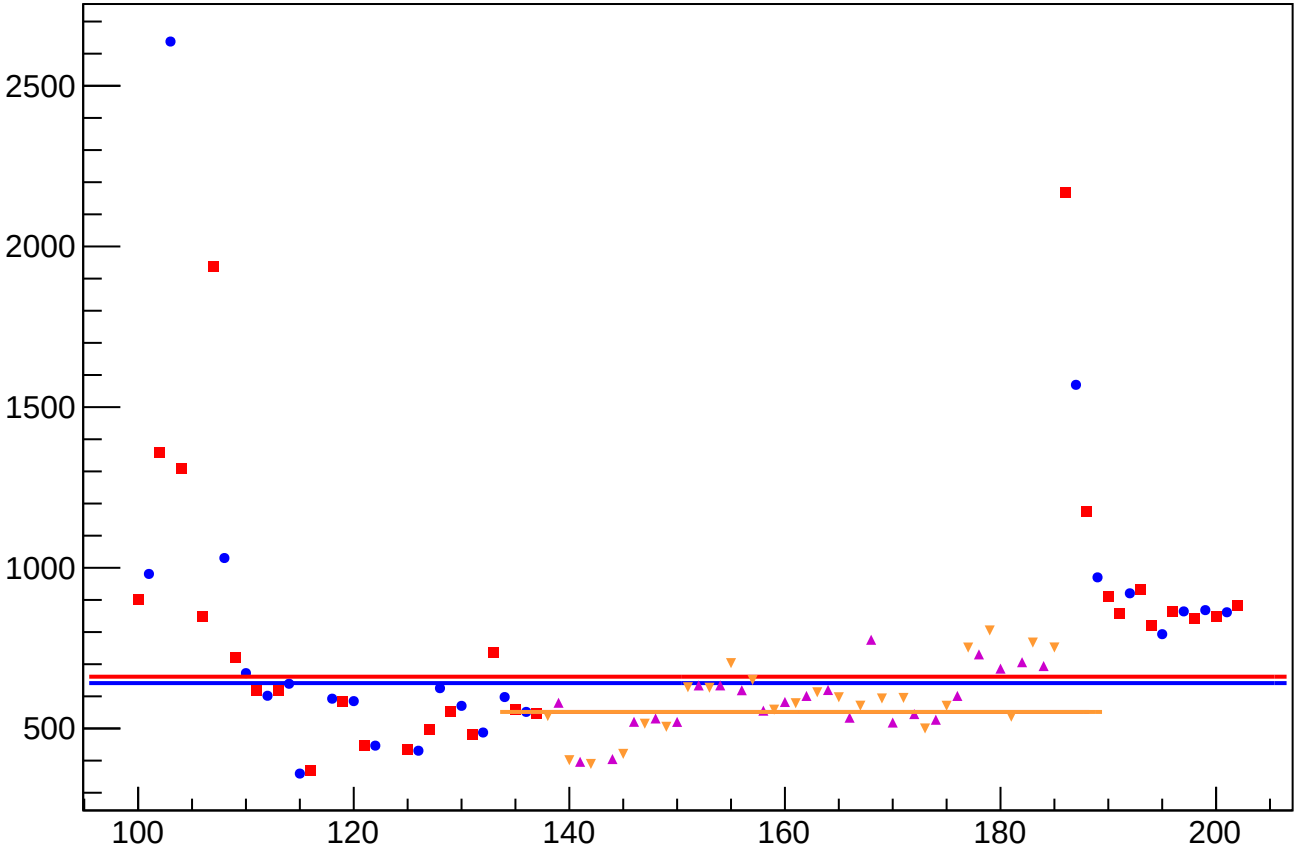
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -487.022+/-108.310 χ^2/NDF: 95.1/46

All: -322.080+/-76.252 χ^2/NDF: 147.4/97

- sign -159.987+/-107.370 χ^2/NDF: 47.8/50

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 641.186+/-0.137 χ^2/NDF: 2347692.5/22

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 661.117+/-0.133 χ^2/NDF: 3127364.7/27

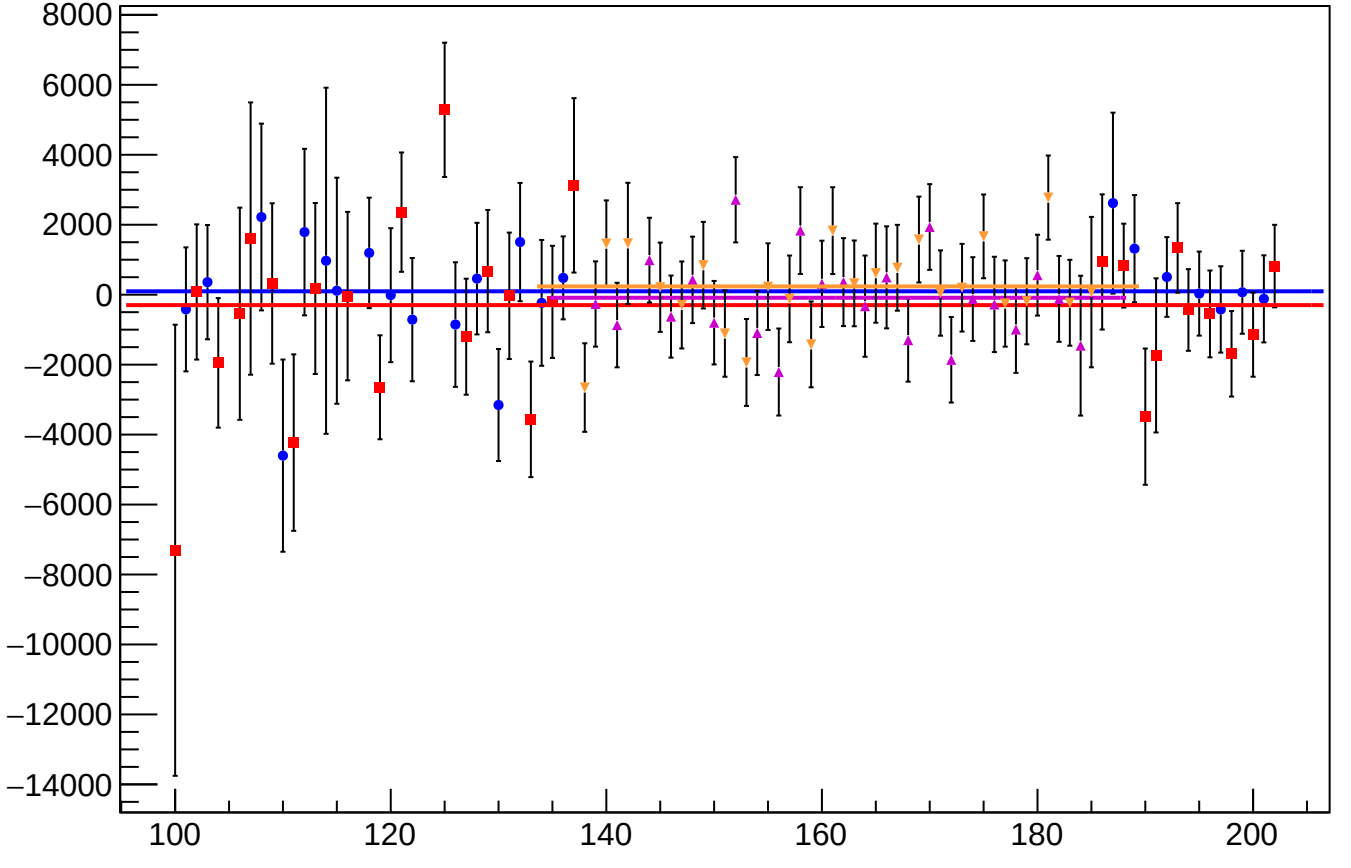
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 579.504+/-0.077 χ^2/NDF: 3869437.6/46

All: 583.451+/-0.054 χ^2/NDF: 8524593.3/97

- sign 587.330+/-0.076 χ^2/NDF: 4649889.3/50

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 96.691+/-337.240 χ^2/NDF: 12.1/22

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -298.263+/-317.314 χ^2/NDF: 33.4/27

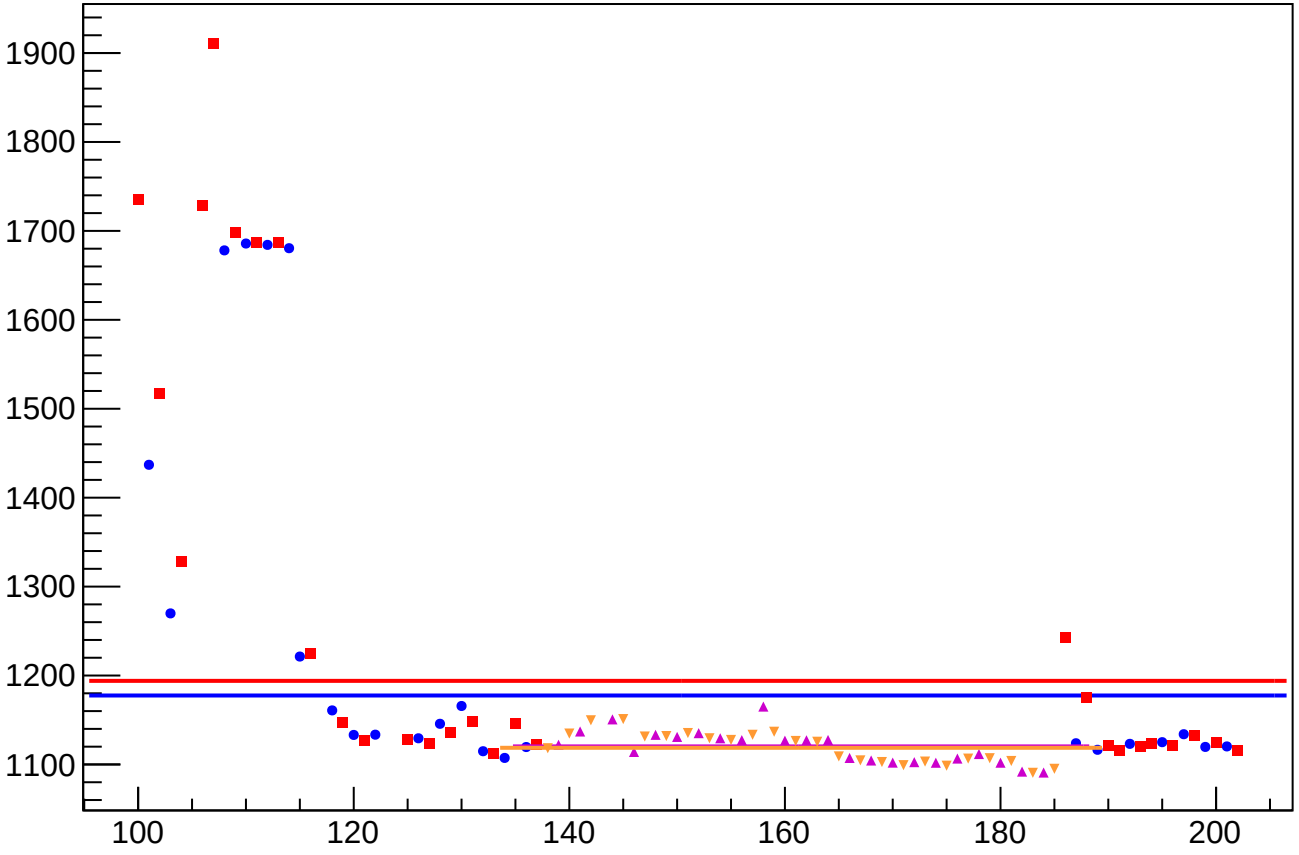
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 184.552+/-205.745 χ^2/NDF: 34.9/46

All: 2.205+/-144.087 χ^2/NDF: 91.0/97

- sign -173.303+/-201.850 χ^2/NDF: 54.5/50

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1177.543+/-0.238 χ^2/NDF: 339057.3/22

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1194.005+/-0.224 χ^2/NDF: 536034.4/27

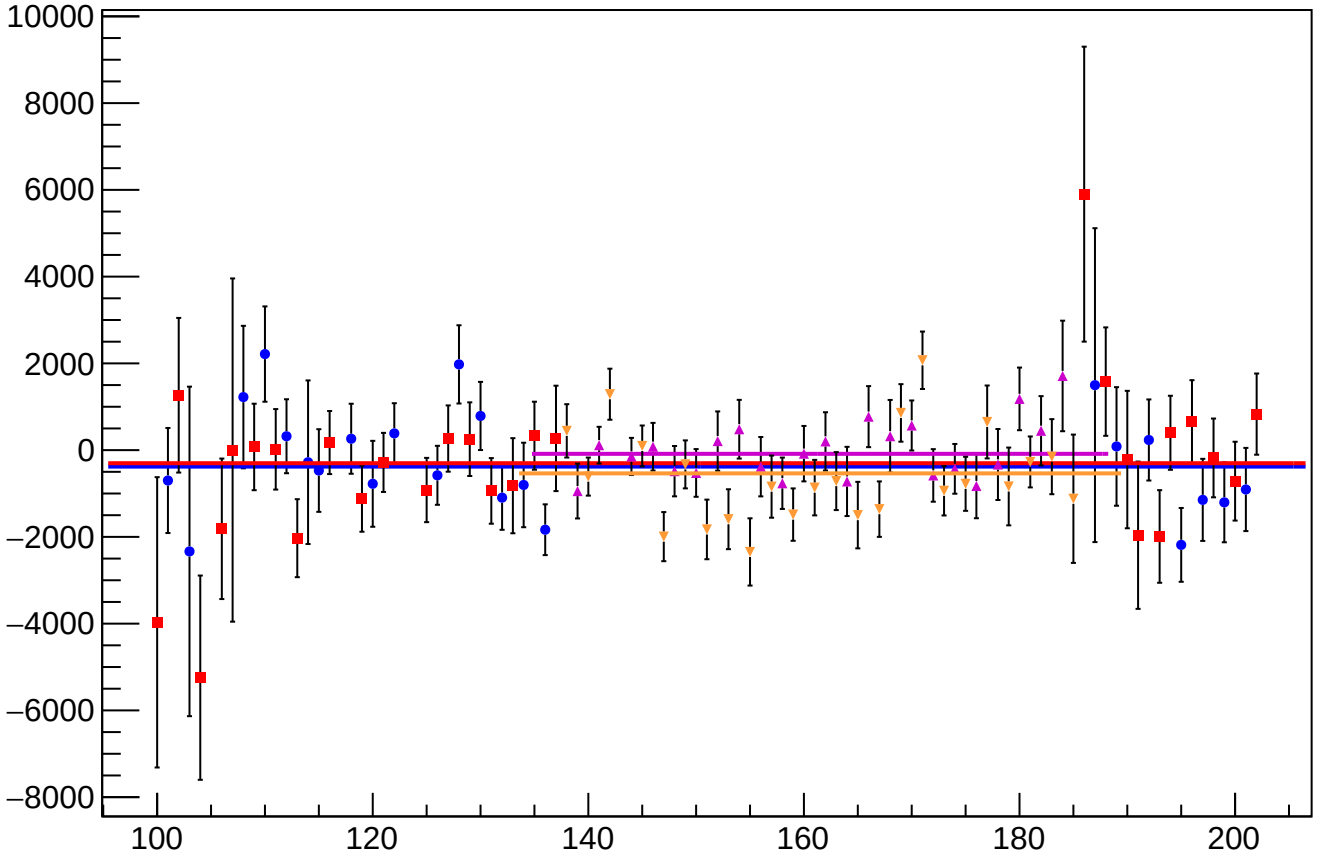
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1140.622+/-0.145 χ^2/NDF: 385445.3/46

All: 1145.467+/-0.102 χ^2/NDF: 997361.8/97

- sign 1150.129+/-0.143 χ^2/NDF: 609740.6/50

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -379.585+/-193.685 χ^2/NDF: 33.1/22

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -301.594+/-187.717 χ^2/NDF: 28.7/27

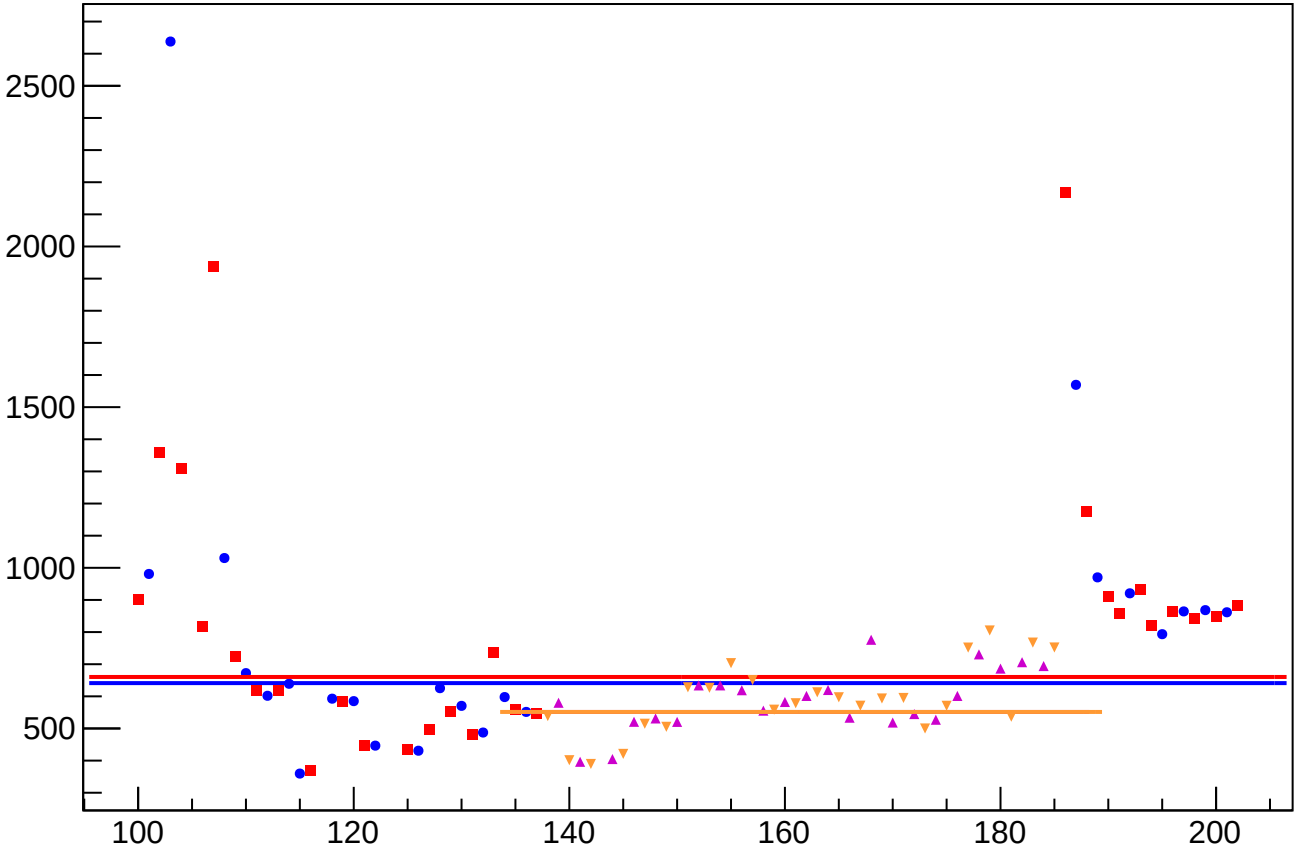
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -487.039+/-108.309 χ^2/NDF: 95.1/46

All: -320.175+/-76.266 χ^2/NDF: 146.5/97

\- sign -156.075+/-107.408 χ^2/NDF: 46.7/50

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 641.182+/-0.137 χ^2/NDF: 2347697.7/22

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 660.288+/-0.133 χ^2/NDF: 3115214.7/27

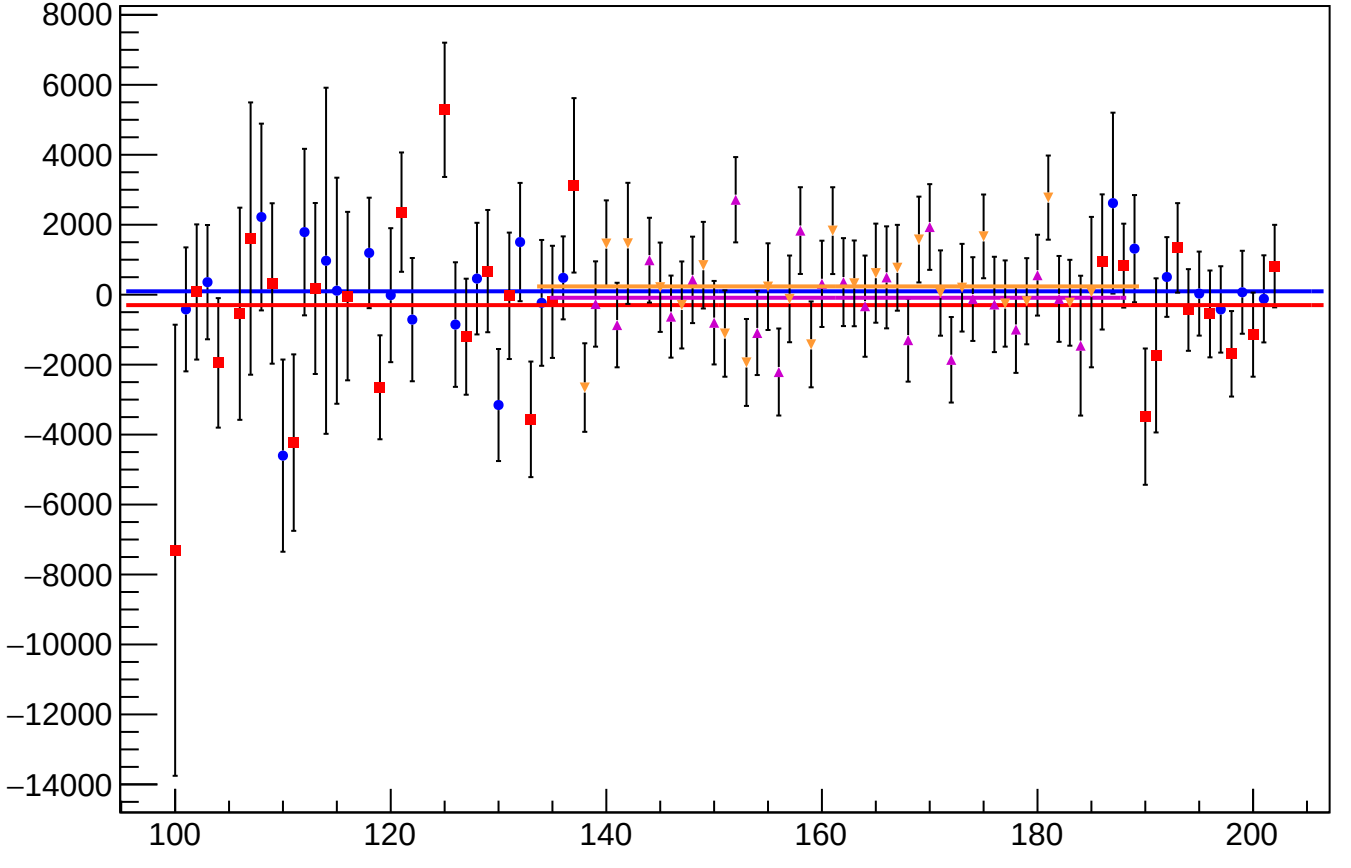
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 579.503+/-0.077 χ^2/NDF: 3869435.7/46

All: 583.286+/-0.054 χ^2/NDF: 8504390.5/97

- sign 587.006+/-0.076 χ^2/NDF: 4630115.9/50

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 96.691+/-337.240 χ^2/NDF: 12.1/22

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -298.263+/-317.314 χ^2/NDF: 33.4/27

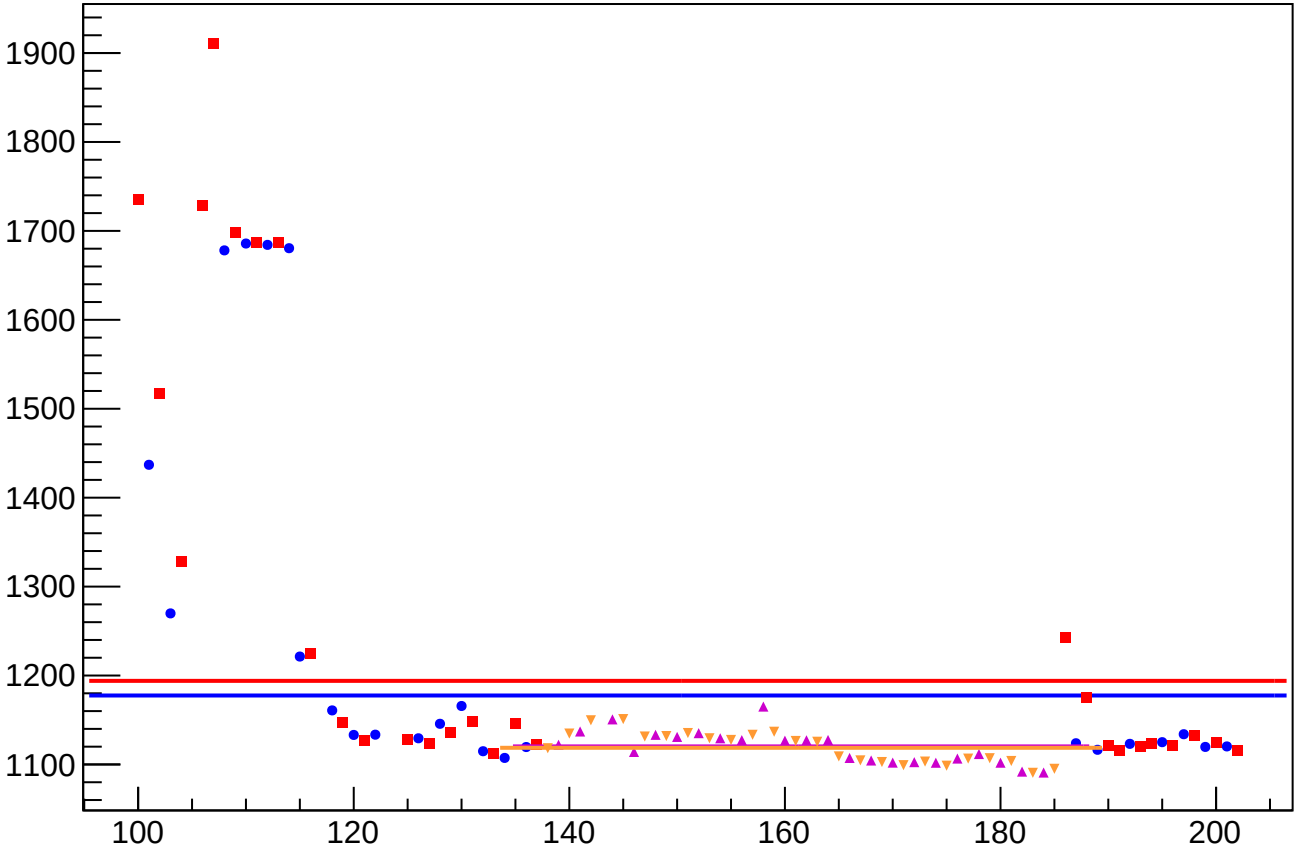
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 184.552+/-205.745 χ^2/NDF: 34.9/46

All: 2.205+/-144.087 χ^2/NDF: 91.0/97

- sign -173.303+/-201.850 χ^2/NDF: 54.5/50

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1177.543+/-0.238 χ^2/NDF: 339057.3/22

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1194.005+/-0.224 χ^2/NDF: 536034.4/27

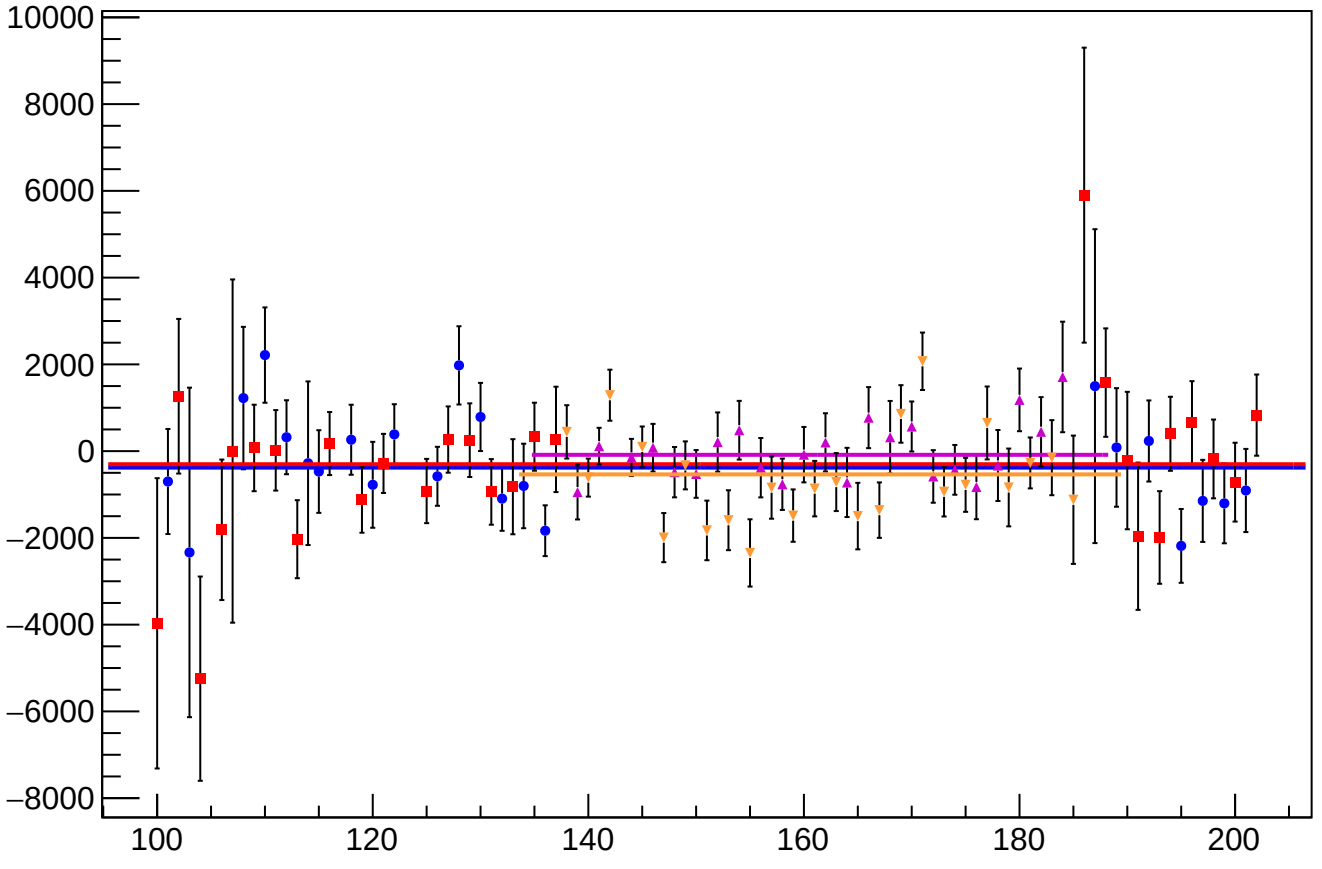
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1140.622+/-0.145 χ^2/NDF: 385445.3/46

All: 1145.467+/-0.102 χ^2/NDF: 997361.8/97

- sign 1150.129+/-0.143 χ^2/NDF: 609740.6/50

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -379.585+/-193.685 χ^2/NDF: 33.1/22

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -301.594+/-187.717 χ^2/NDF: 28.7/27

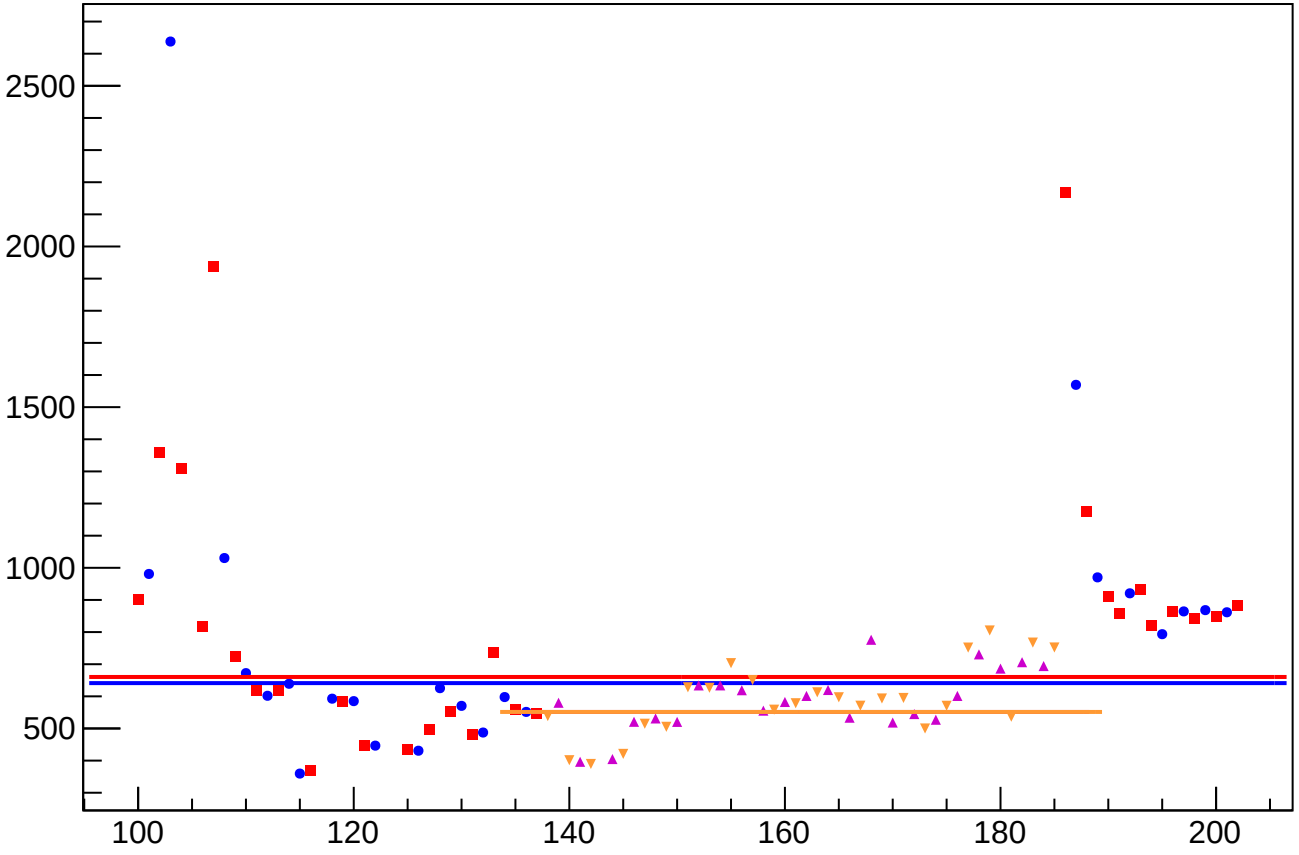
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -487.039+/-108.309 χ^2/NDF: 95.1/46

All: -320.175+/-76.266 χ^2/NDF: 146.5/97

- sign -156.075+/-107.408 χ^2/NDF: 46.7/50

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 641.182+/-0.137 χ^2/NDF: 2347697.7/22

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 660.288+/-0.133 χ^2/NDF: 3115214.7/27

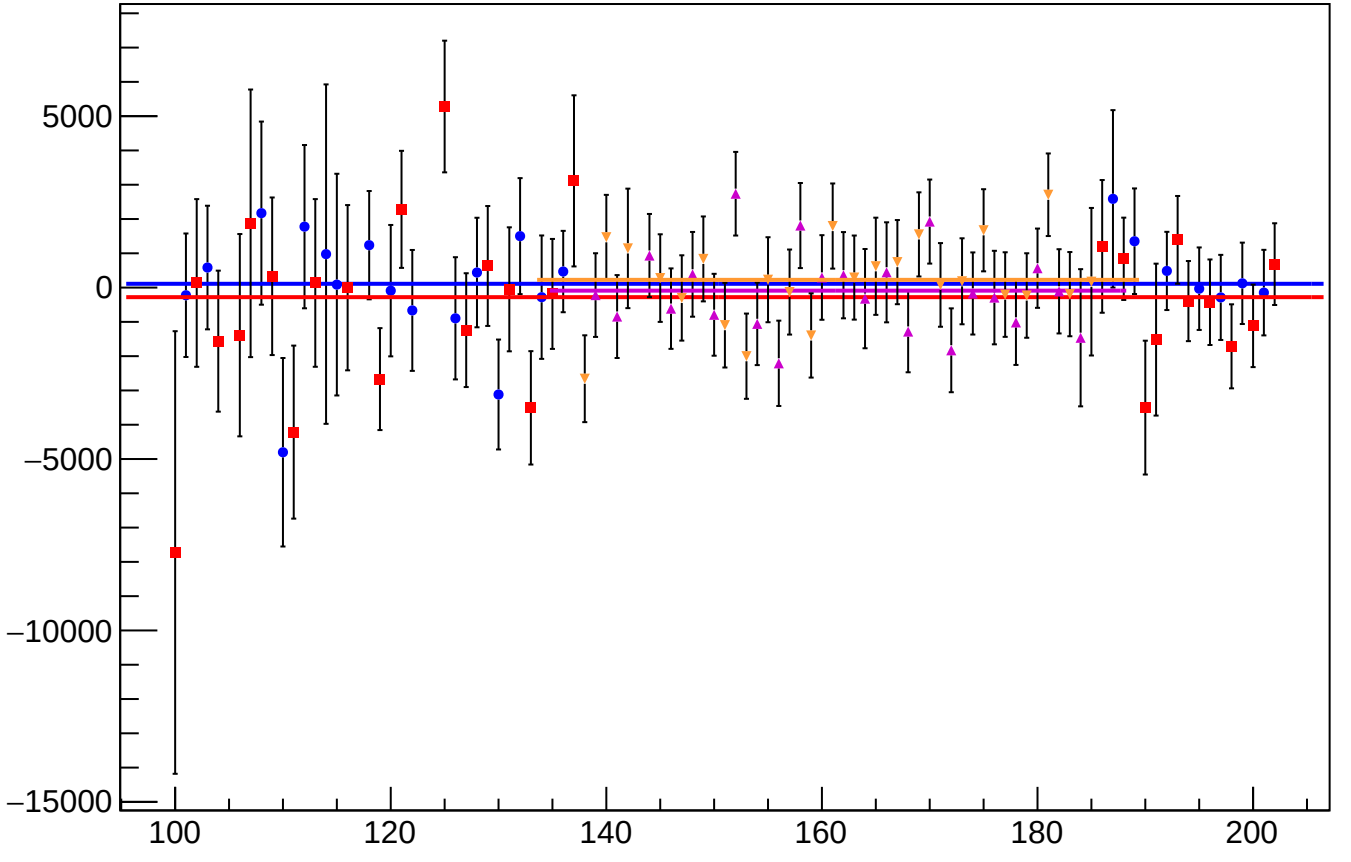
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 579.503+/-0.077 χ^2/NDF: 3869435.7/46

All: 583.286+/-0.054 χ^2/NDF: 8504390.5/97

- sign 587.006+/-0.076 χ^2/NDF: 4630115.9/50

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 110.665+/-339.173 χ^2/NDF: 12.2/22

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -279.137+/-320.337 χ^2/NDF: 33.0/27

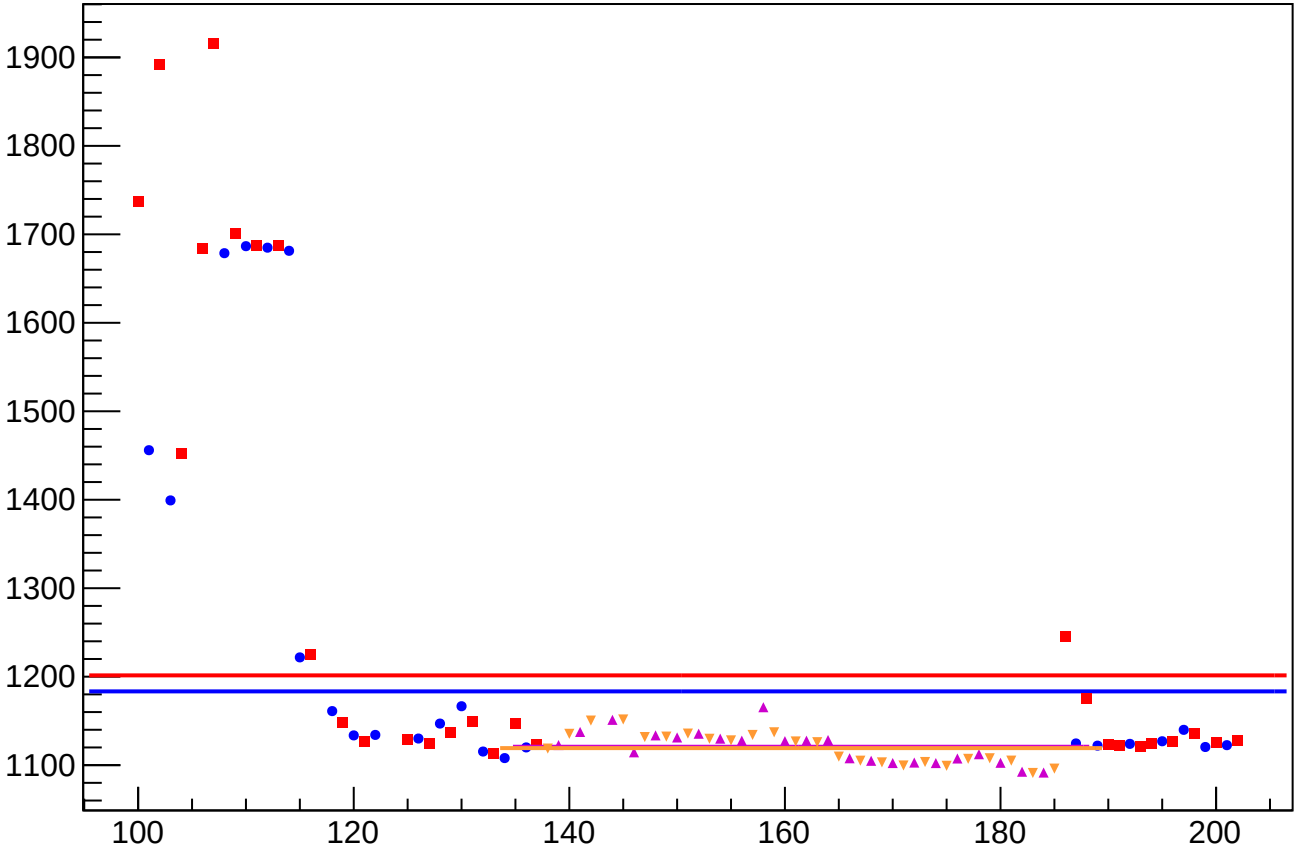
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 183.134+/-206.262 χ^2/NDF: 34.5/46

All: 5.933+/-144.564 χ^2/NDF: 89.7/97

- sign -165.159+/-202.675 χ^2/NDF: 53.7/50

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1183.380+/-0.240 χ^2/NDF: 365205.3/22

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1201.474+/-0.227 χ^2/NDF: 652573.2/27

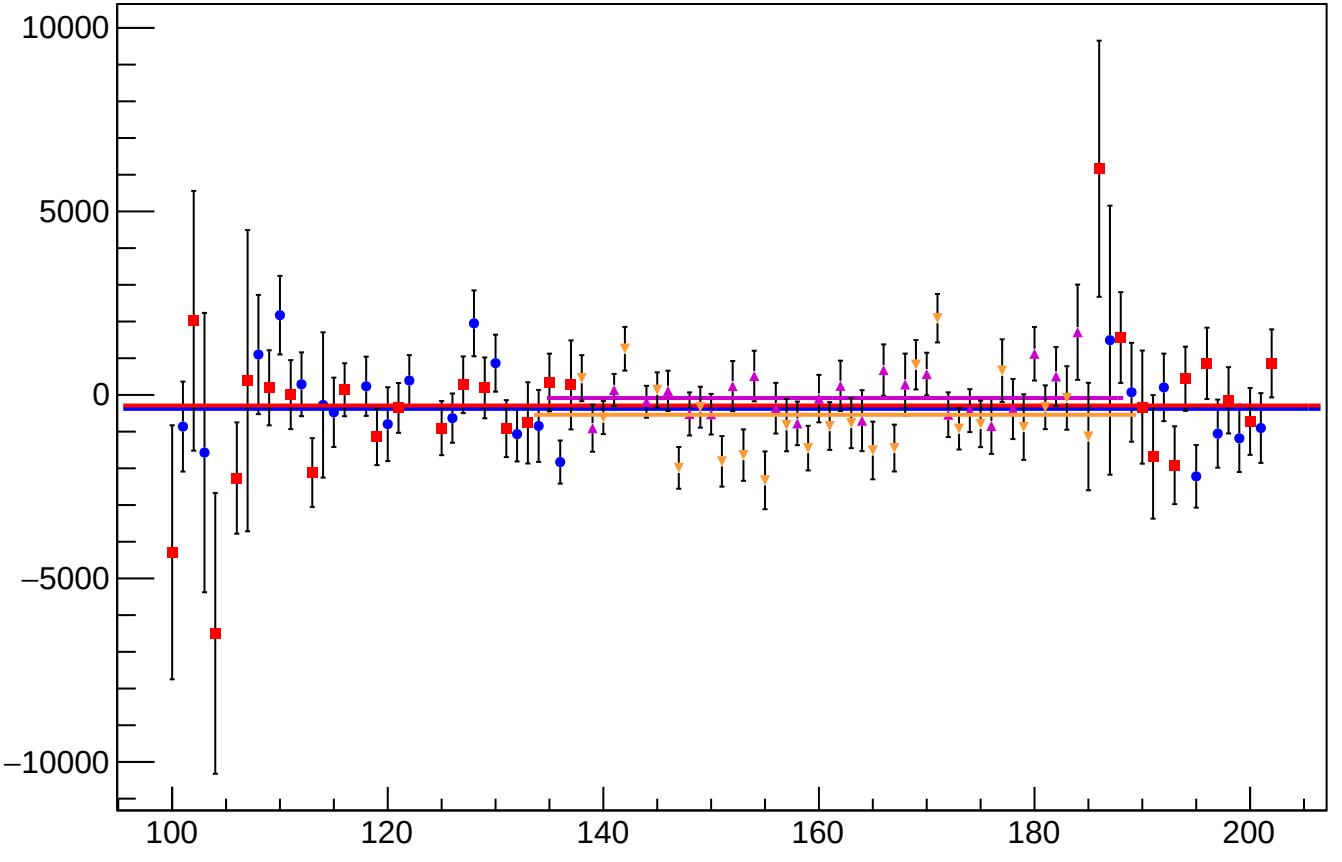
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1142.972+/-0.146 χ^2/NDF: 418395.7/46

All: 1148.122+/-0.102 χ^2/NDF: 1158917.0/97

- sign 1153.094+/-0.143 χ^2/NDF: 738070.8/50

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -378.832+/-193.202 χ^2/NDF: 33.0/22

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -288.565+/-189.530 χ^2/NDF: 27.7/27

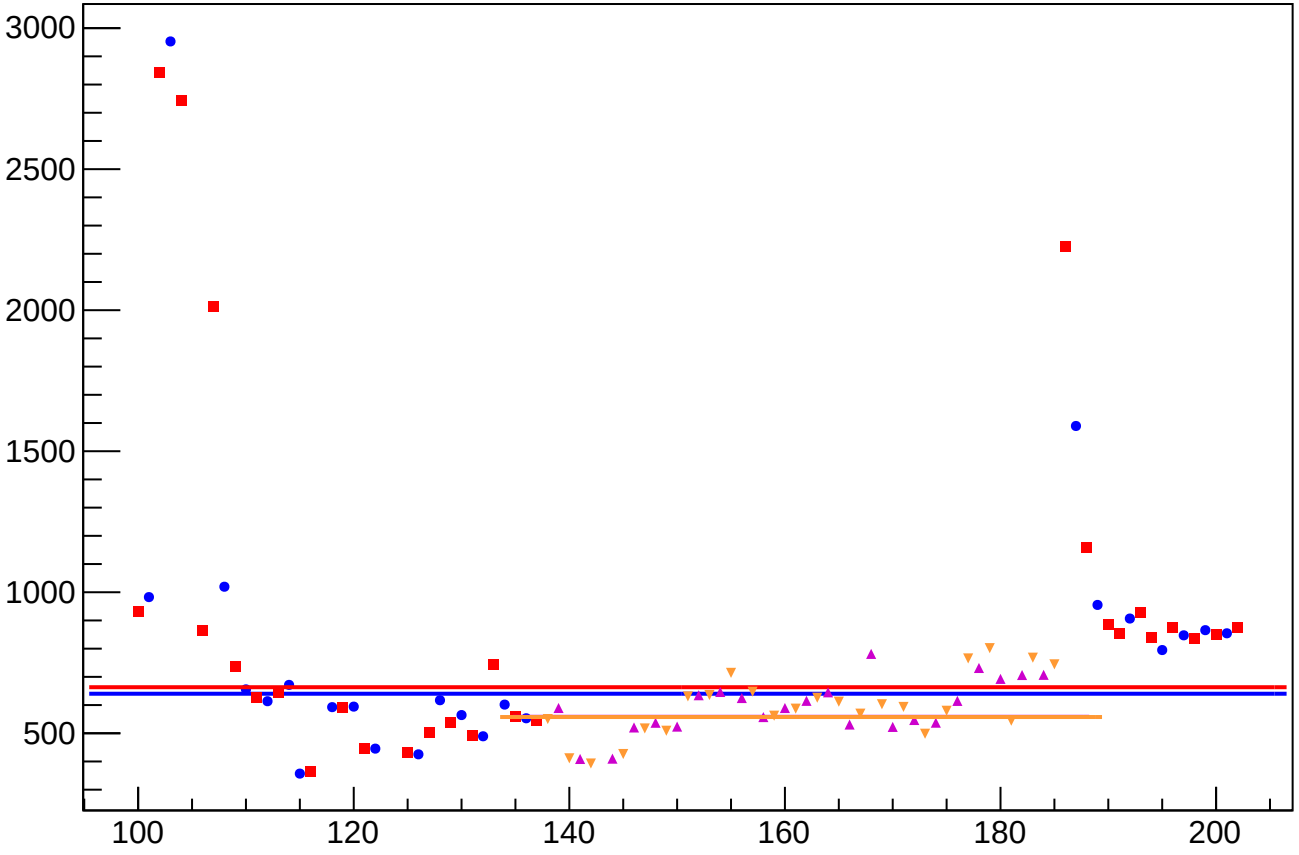
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -489.789+/-108.997 χ^2/NDF: 94.4/46

All: -319.944+/-76.939 χ^2/NDF: 144.1/97

- sign -151.271+/-108.621 χ^2/NDF: 44.9/50

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 640.173+/-0.137 χ^2/NDF: 2508117.0/22

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 663.291+/-0.134 χ^2/NDF: 4029899.7/27

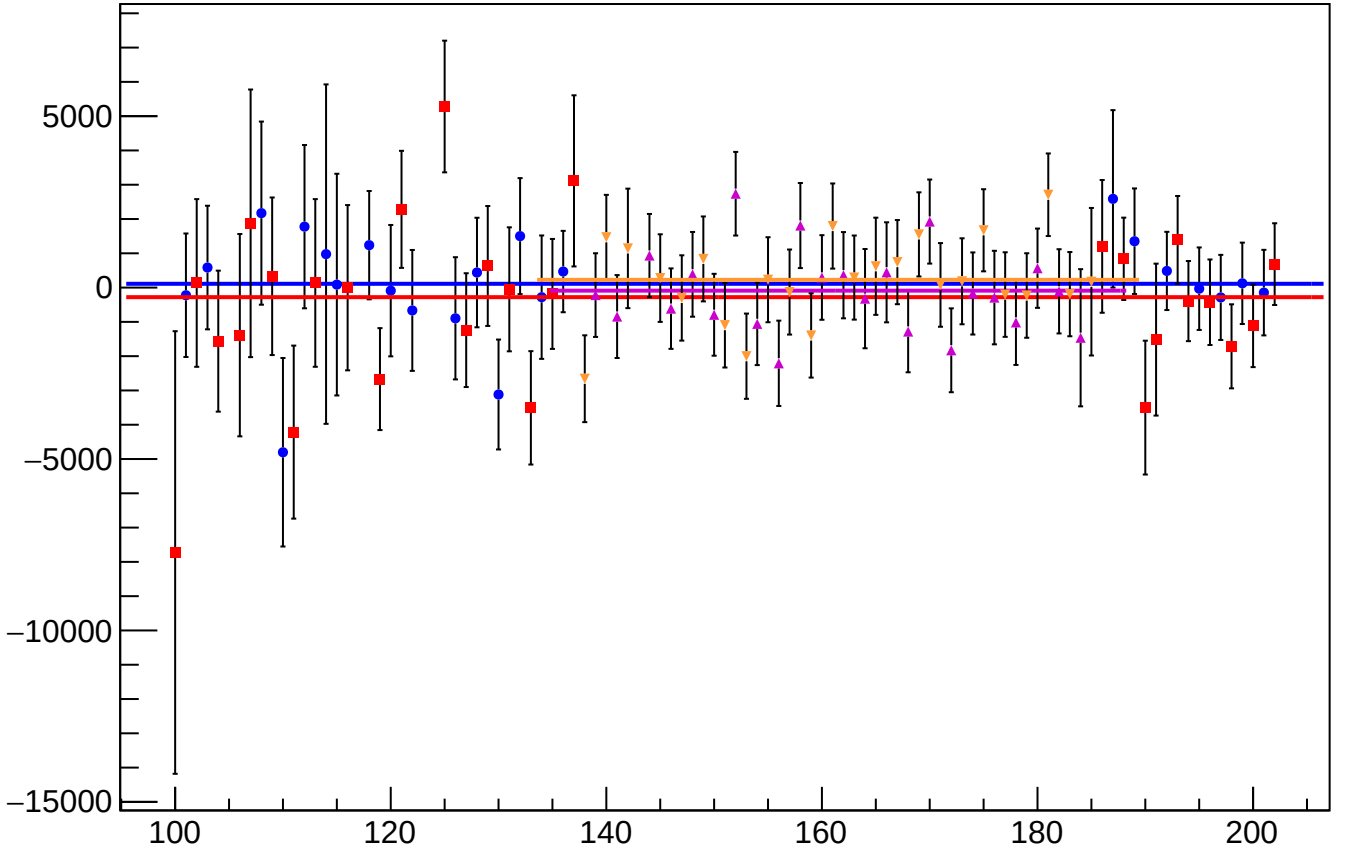
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

\+ sign 583.876+/-0.077 χ^2/NDF: 3950489.1/46

All: 588.377+/-0.054 χ^2/NDF: 9426423.5/97

\- sign 592.847+/-0.077 χ^2/NDF: 5469136.6/50

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 110.665+/-339.173 χ^2/NDF: 12.2/22

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -279.137+/-320.337 χ^2/NDF: 33.0/27

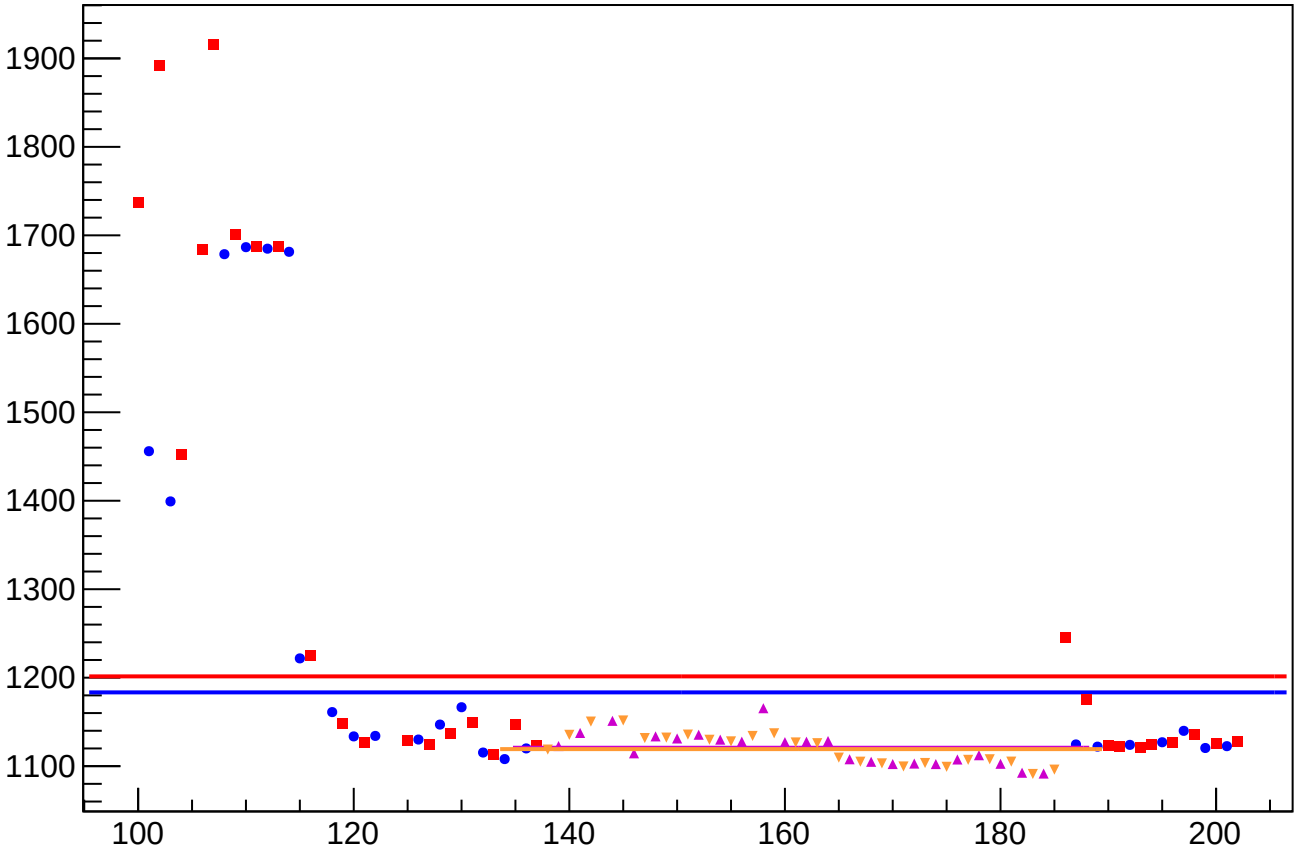
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 183.133+/-206.262 χ^2/NDF: 34.5/46

All: 5.932+/-144.564 χ^2/NDF: 89.7/97

- sign -165.159+/-202.675 χ^2/NDF: 53.7/50

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1183.380+/-0.240 χ^2/NDF: 365204.8/22

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1201.474+/-0.227 χ^2/NDF: 652572.5/27

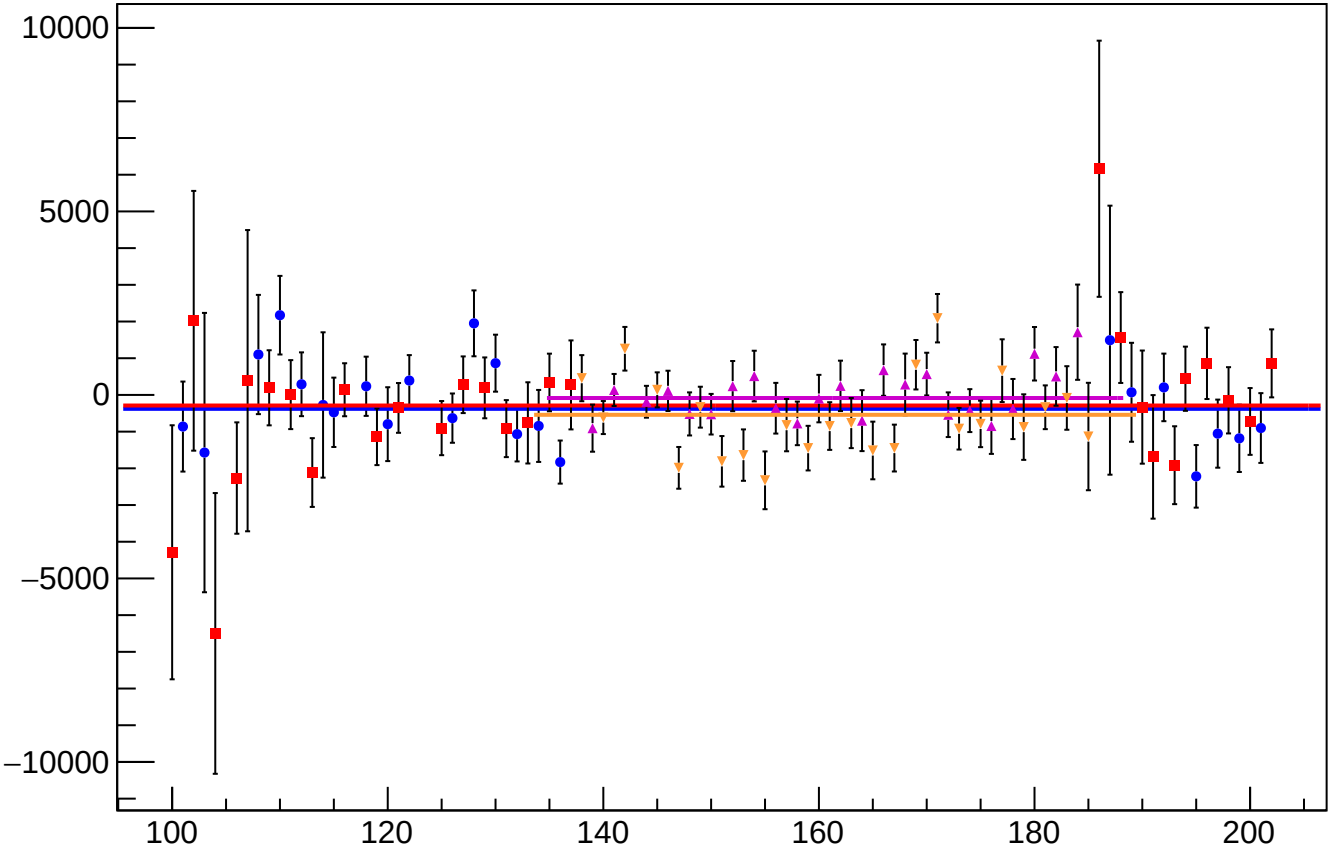
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1142.972+/-0.146 χ^2/NDF: 418395.2/46

All: 1148.122+/-0.102 χ^2/NDF: 1158915.8/97

- sign 1153.094+/-0.143 χ^2/NDF: 738070.1/50

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -378.832+/-193.202 χ^2/NDF: 33.0/22

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -288.566+/-189.530 χ^2/NDF: 27.7/27

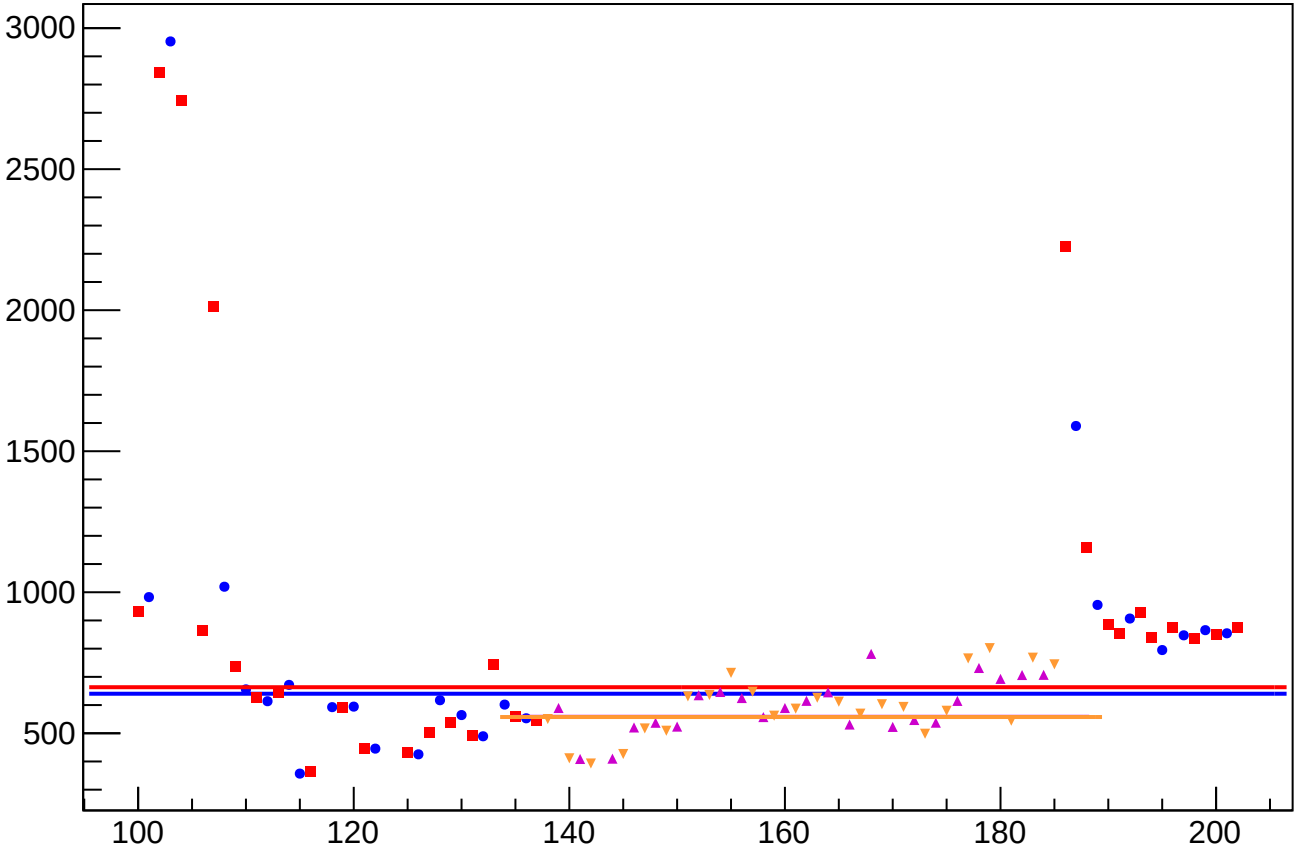
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -489.789+/-108.997 χ^2/NDF: 94.4/46

All: -319.944+/-76.939 χ^2/NDF: 144.1/97

- sign -151.271+/-108.621 χ^2/NDF: 44.9/50

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 640.173+/-0.137 χ^2/NDF: 2508112.5/22

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 663.291+/-0.134 χ^2/NDF: 4029899.8/27

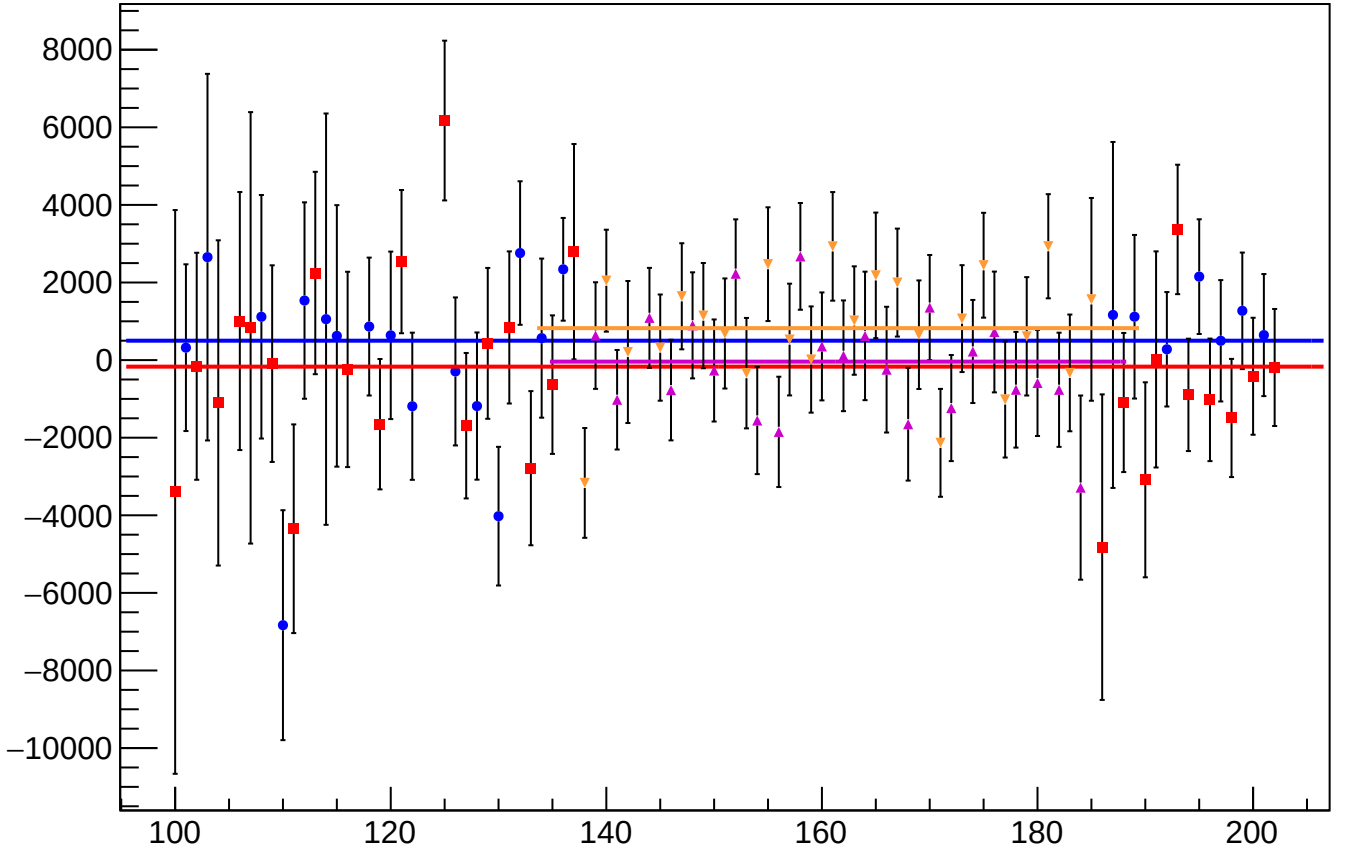
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 583.875+/-0.077 χ^2/NDF: 3950509.0/46

All: 588.376+/-0.054 χ^2/NDF: 9426462.0/97

- sign 592.846+/-0.077 χ^2/NDF: 5469154.9/50

asym_usl_atl1_dd_mean vs Slug



Right In: 500.161+/-408.914 χ^2/NDF: 19.8/22

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -168.708+/-391.797 χ^2/NDF: 28.9/27

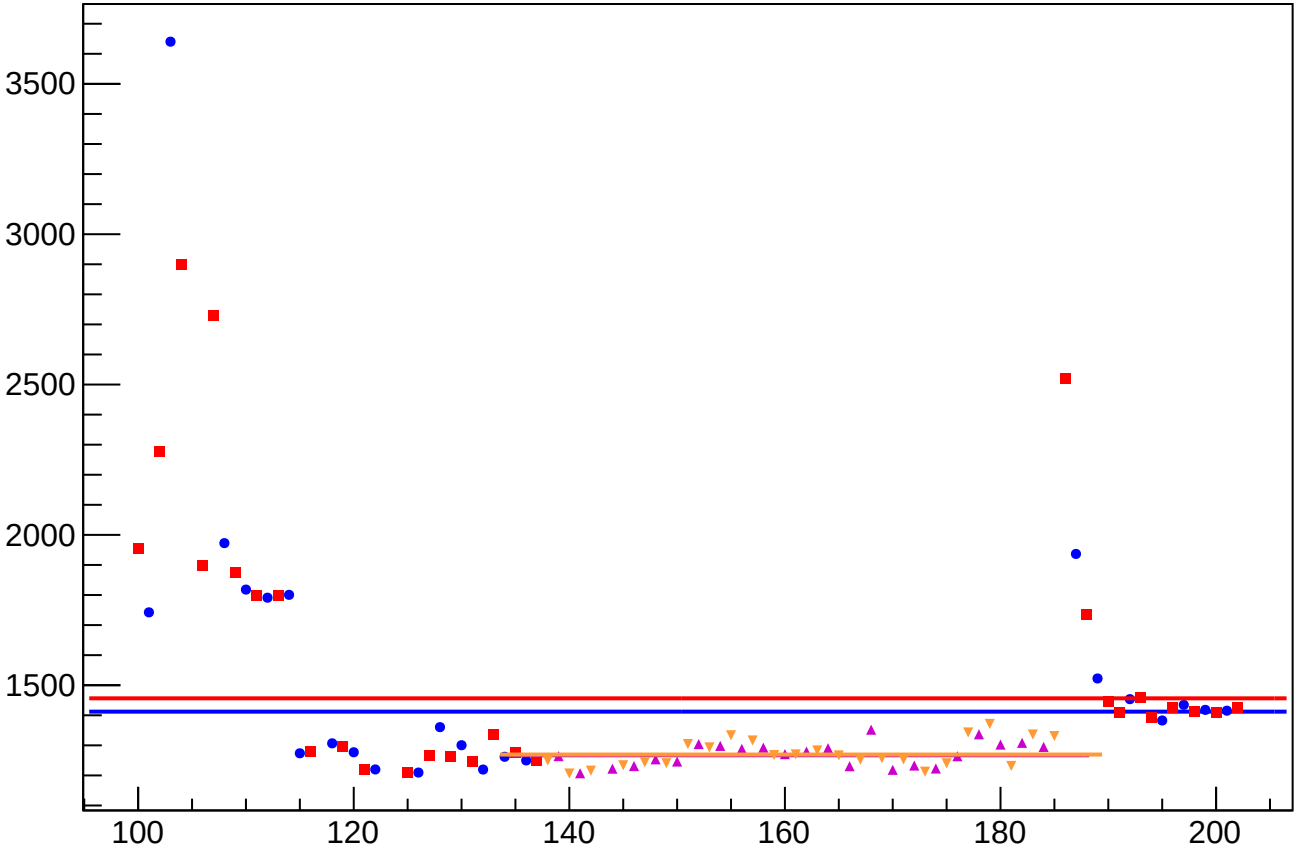
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 712.783+/-239.153 χ^2/NDF: 46.4/46

All: 308.102+/-168.045 χ^2/NDF: 98.9/97

- sign -86.576+/-236.179 χ^2/NDF: 46.8/50

asym_usl_atl1_dd_rms vs Slug



Right In: 1412.104+/-0.289 χ^2/NDF: 818004.6/22

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

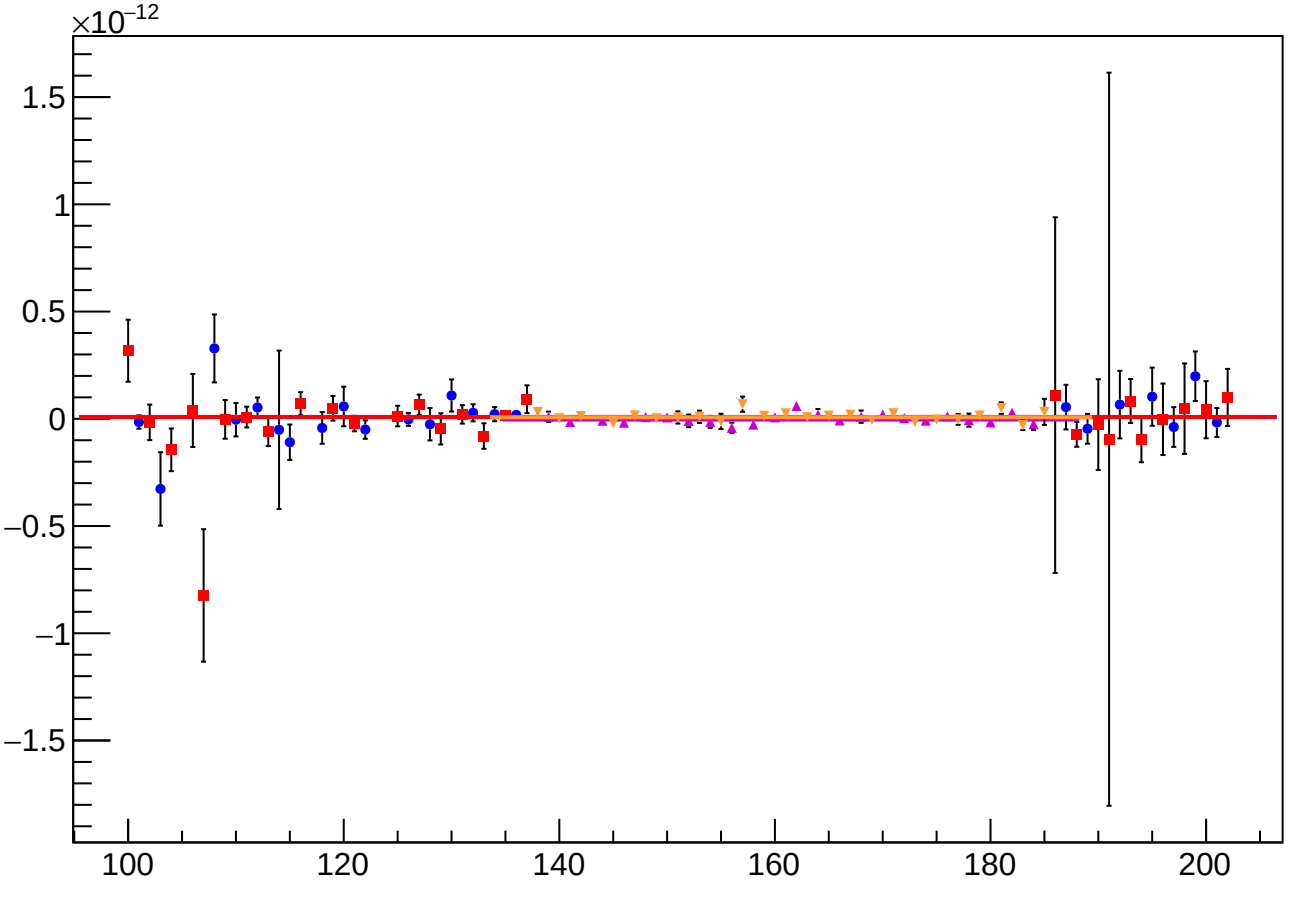
Right Out: 1456.388+/-0.277 χ^2/NDF: 1061103.9/27

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1318.238+/-0.169 χ^2/NDF: 1021217.0/46

All: 1327.160+/-0.119 χ^2/NDF: 2419662.9/97

- sign 1335.861+/-0.167 χ^2/NDF: 1392947.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

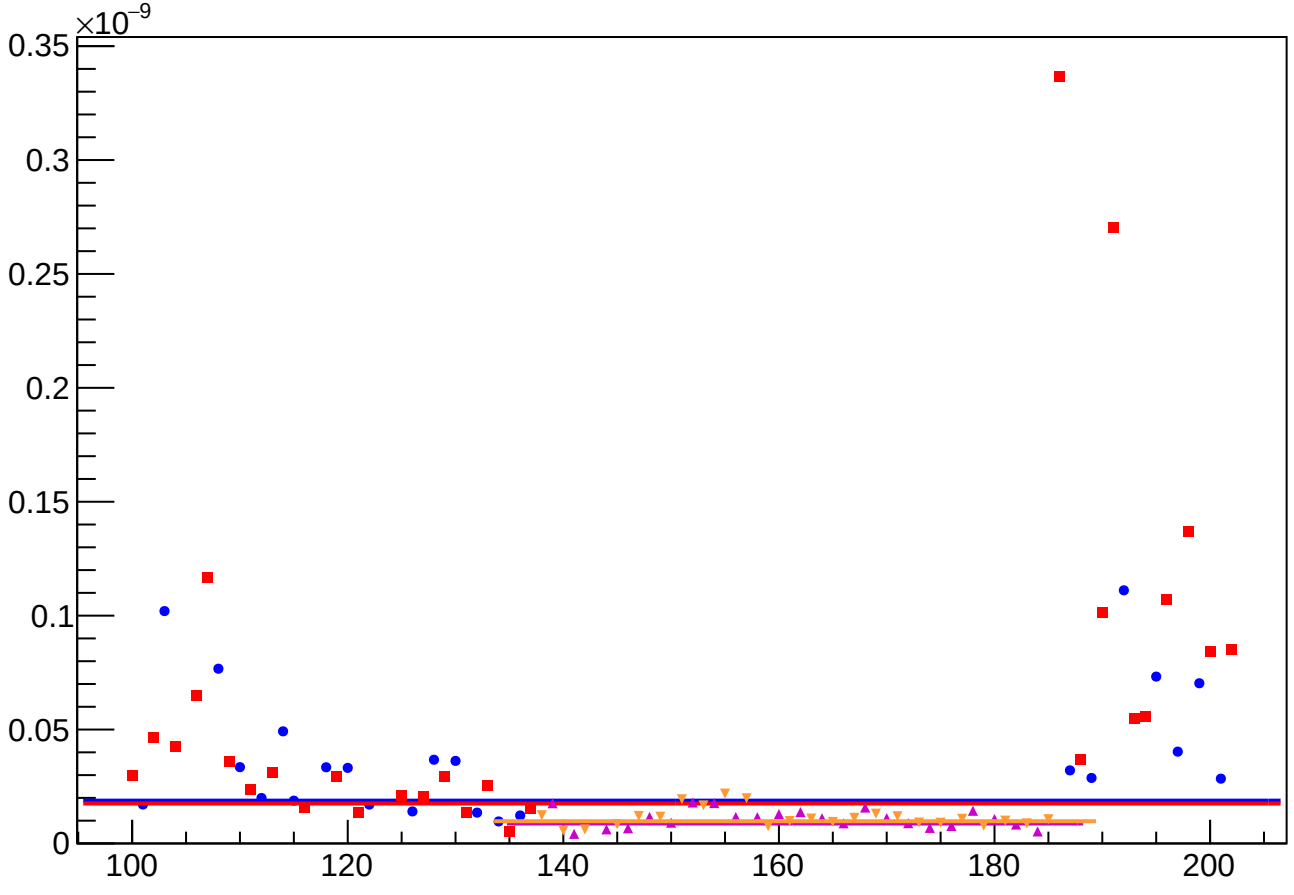
Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/27

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/46

All: 0.000+/-0.000 χ^2/NDF: 96.9/97

- sign -0.000+/-0.000 χ^2/NDF: 52.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 3281438.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6068451.5/27

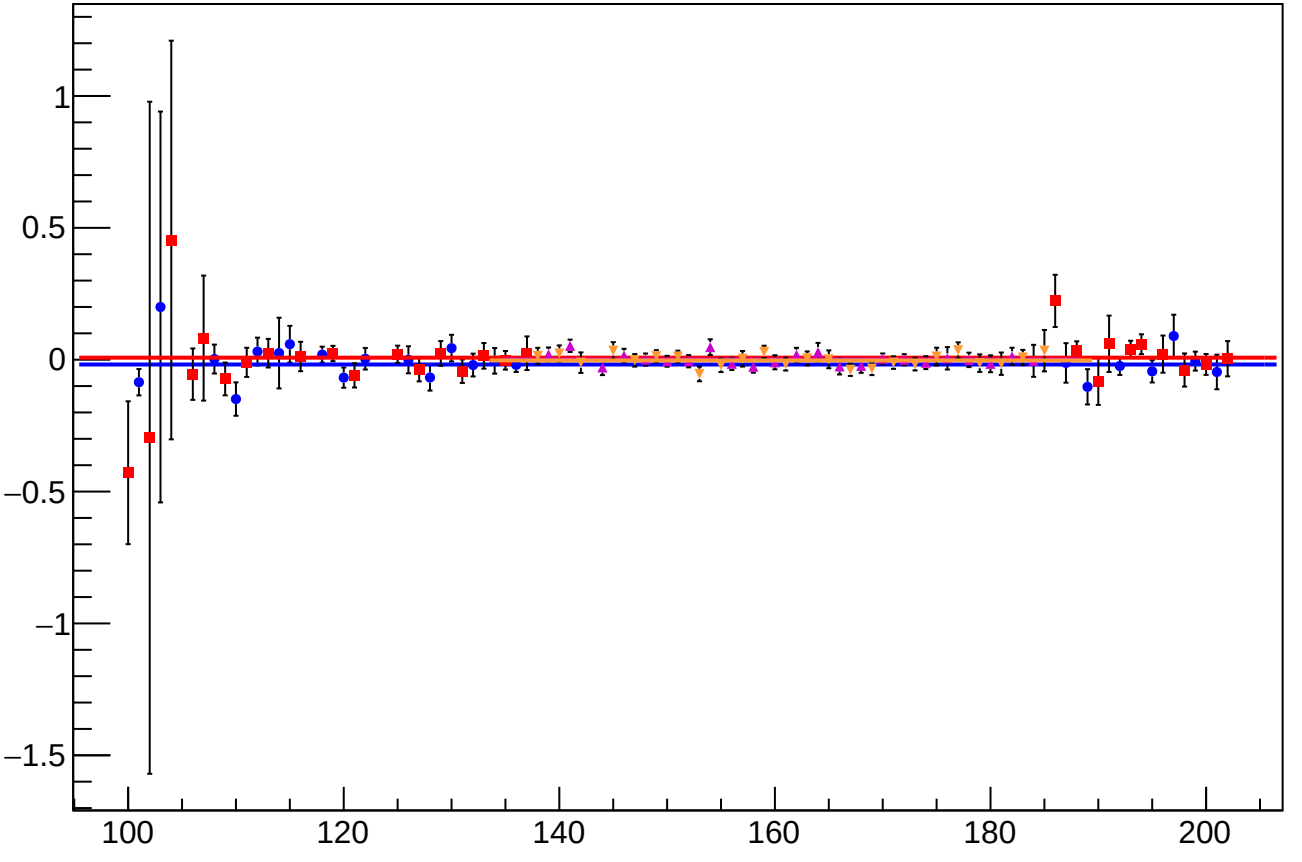
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5975918.7/46

All: 0.000+/-0.000 χ^2/NDF: 15380630.1/97

- sign 0.000+/-0.000 χ^2/NDF: 9305046.2/50

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.010 χ^2/NDF: 18.8/22

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.008+/-0.010 χ^2/NDF: 21.0/27

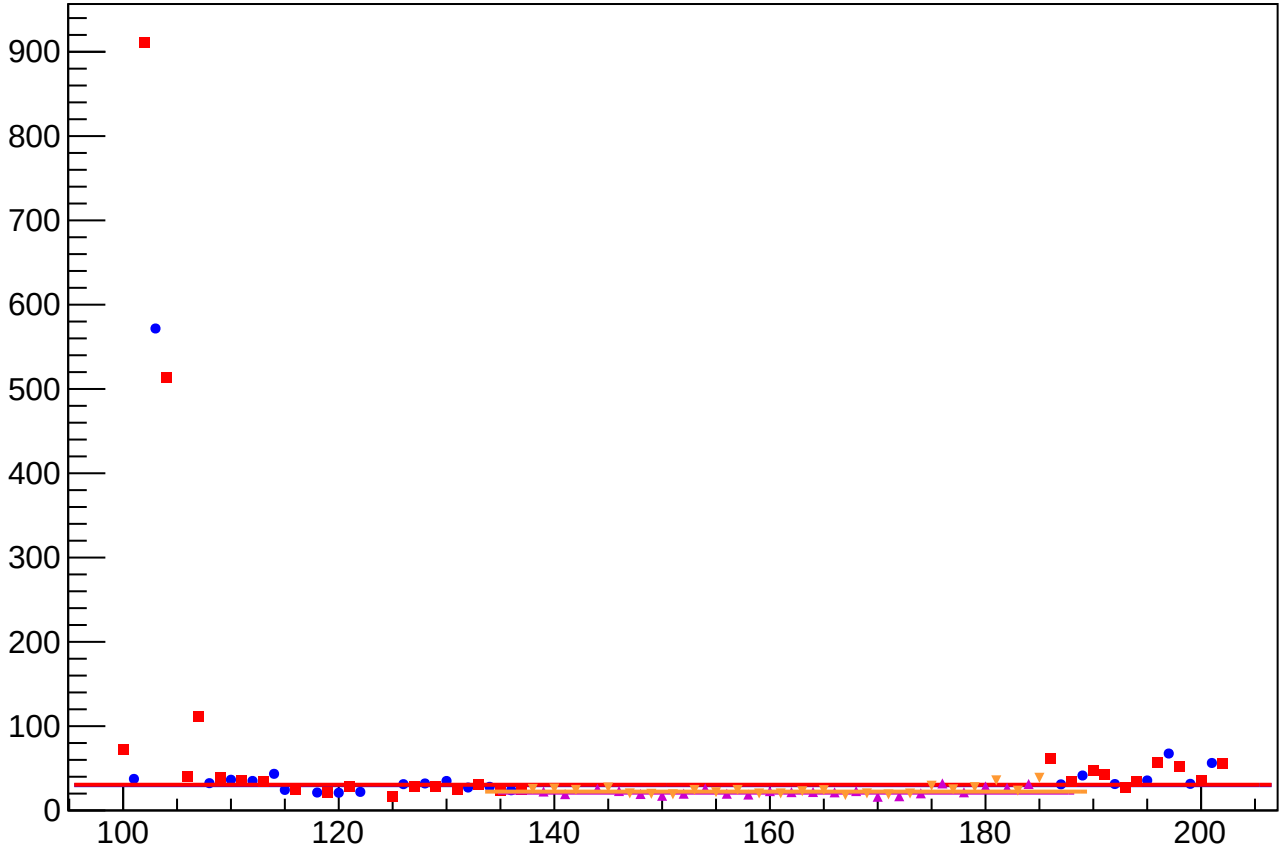
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.0/46

All: -0.002+/-0.003 χ^2/NDF: 75.0/97

- sign 0.003+/-0.005 χ^2/NDF: 36.3/50

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.995+/-0.007 χ^2/NDF: 2532814.1/22

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

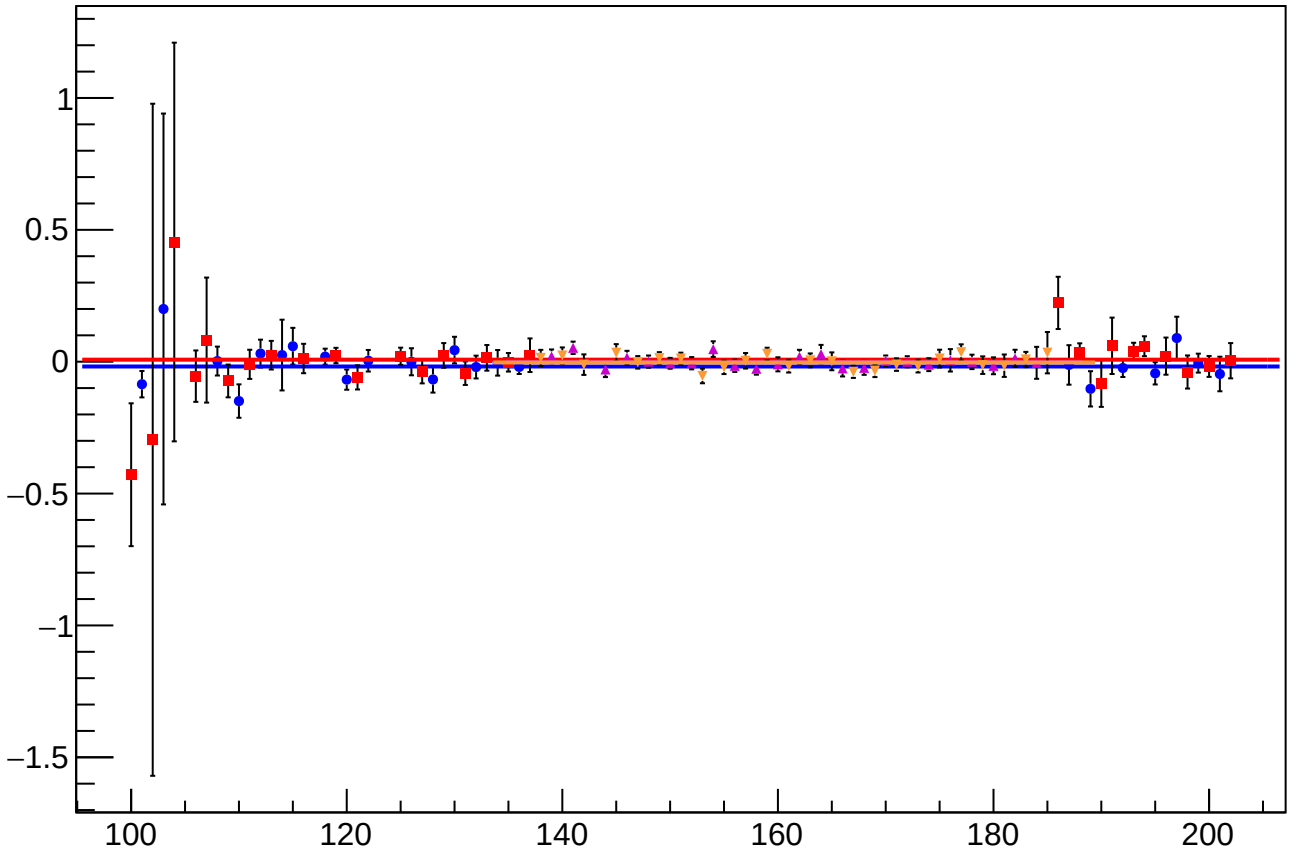
Right Out: 30.497+/-0.007 χ^2/NDF: 4063457.8/27

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.286+/-0.003 χ^2/NDF: 4262070.8/46

All: 23.836+/-0.002 χ^2/NDF: 10635496.8/97

- sign 23.417+/-0.003 χ^2/NDF: 6341079.4/50



Right In: -0.018+/-0.010 χ^2/NDF: 18.8/22

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.008+/-0.010 χ^2/NDF: 21.0/27

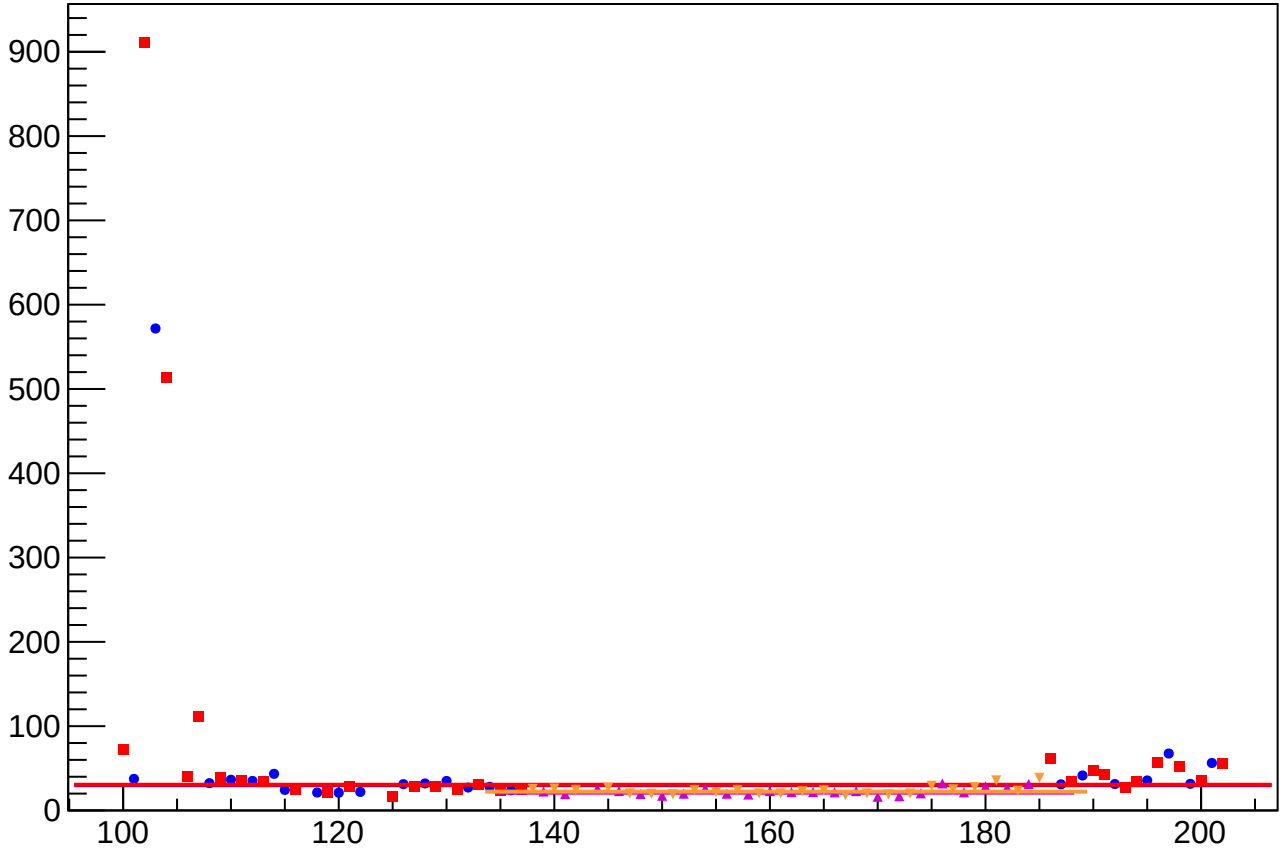
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.0/46

All: -0.002+/-0.003 χ^2/NDF: 75.0/97

- sign 0.003+/-0.005 χ^2/NDF: 36.3/50

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.995+/-0.007 χ^2/NDF: 2532814.1/22

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

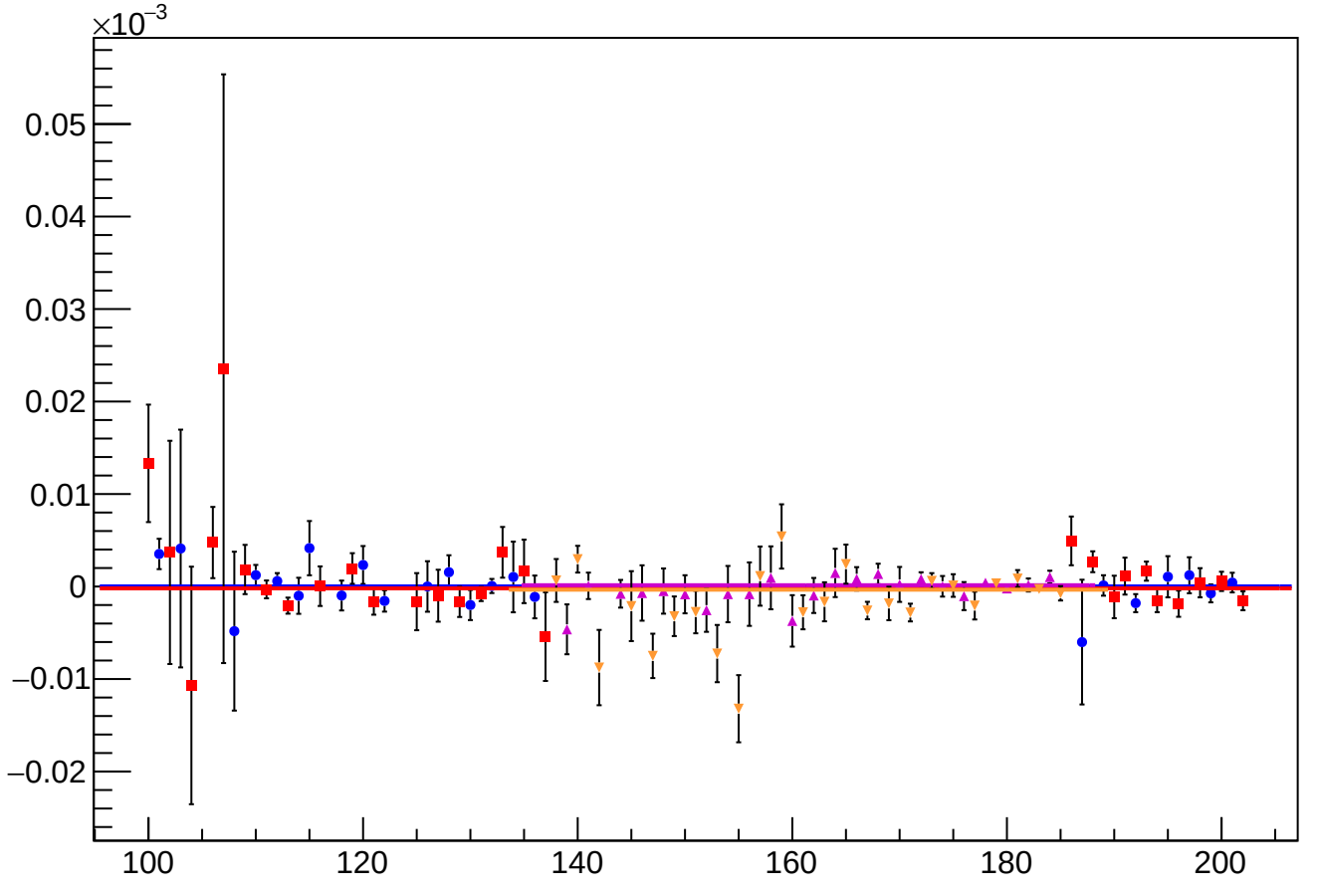
Right Out: 30.497+/-0.007 χ^2/NDF: 4063457.8/27

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.286+/-0.003 χ^2/NDF: 4262070.8/46

All: 23.836+/-0.002 χ^2/NDF: 10635496.8/97

- sign 23.417+/-0.003 χ^2/NDF: 6341079.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 39.7/27

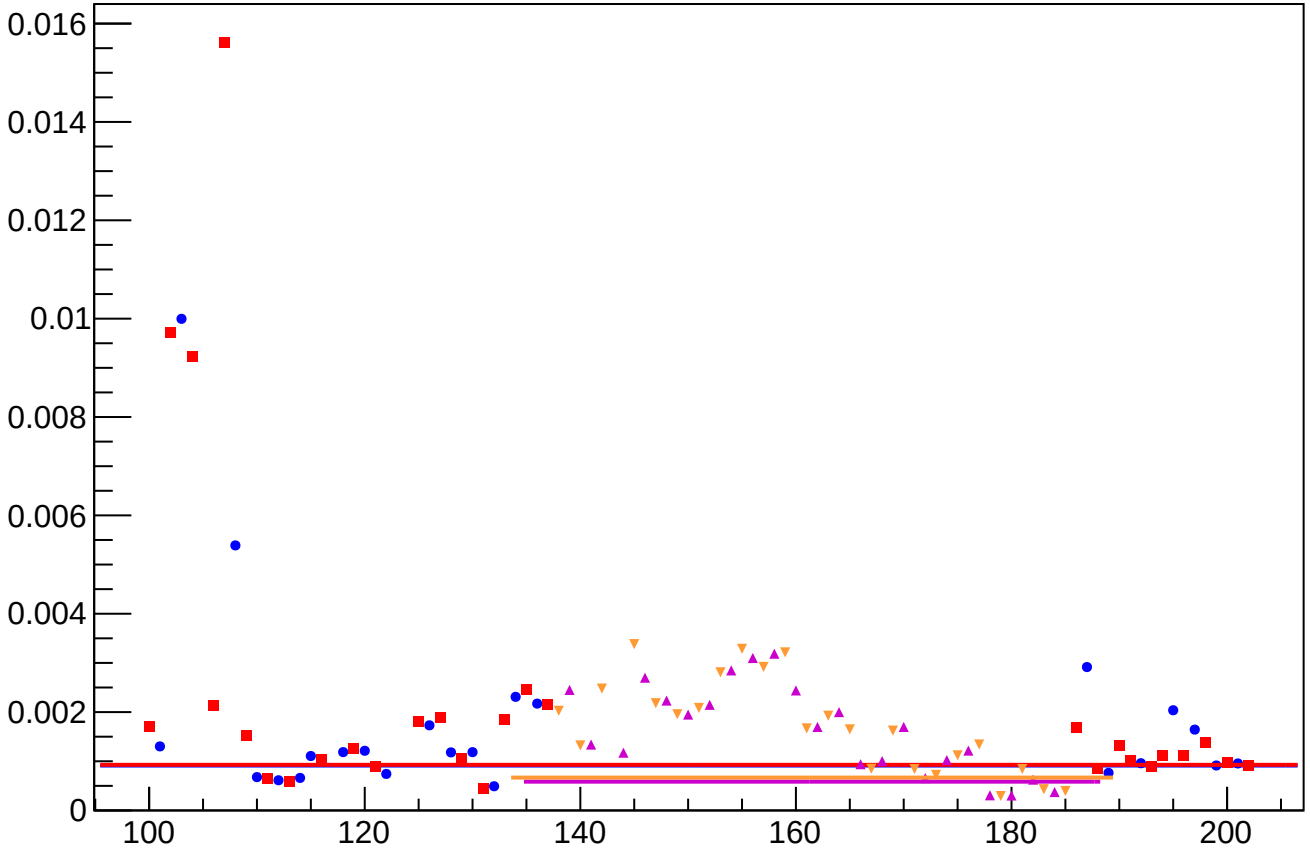
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.6/46

All: -0.000+/-0.000 χ^2/NDF: 145.8/97

- sign 0.000+/-0.000 χ^2/NDF: 54.9/50

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4928027.2/22

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5617809.8/27

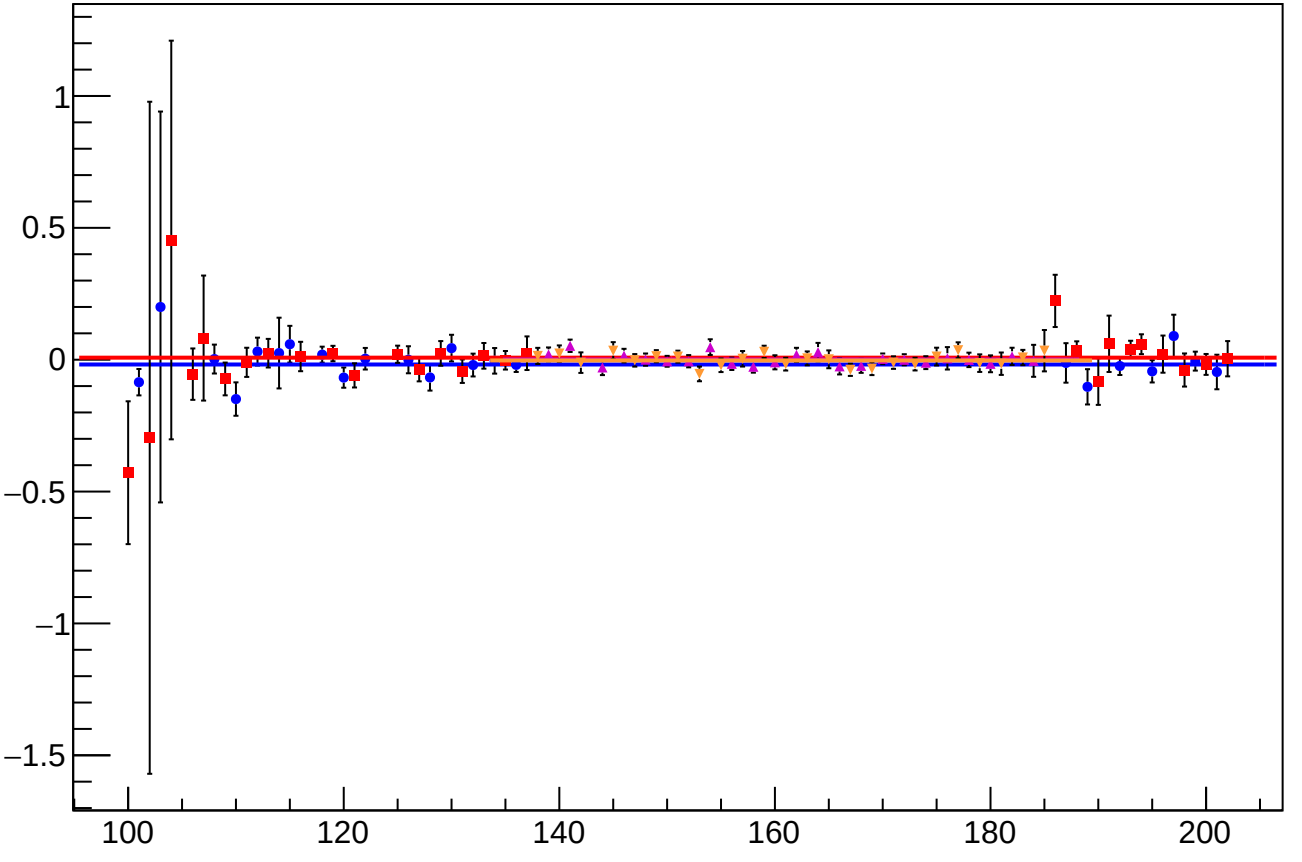
Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 21229968.3/46

All: 0.001+/-0.000 χ^2/NDF: 44618882.8/97

- sign 0.001+/-0.000 χ^2/NDF: 23250836.1/50

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.010 χ^2/NDF: 18.8/22

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.008+/-0.010 χ^2/NDF: 21.0/27

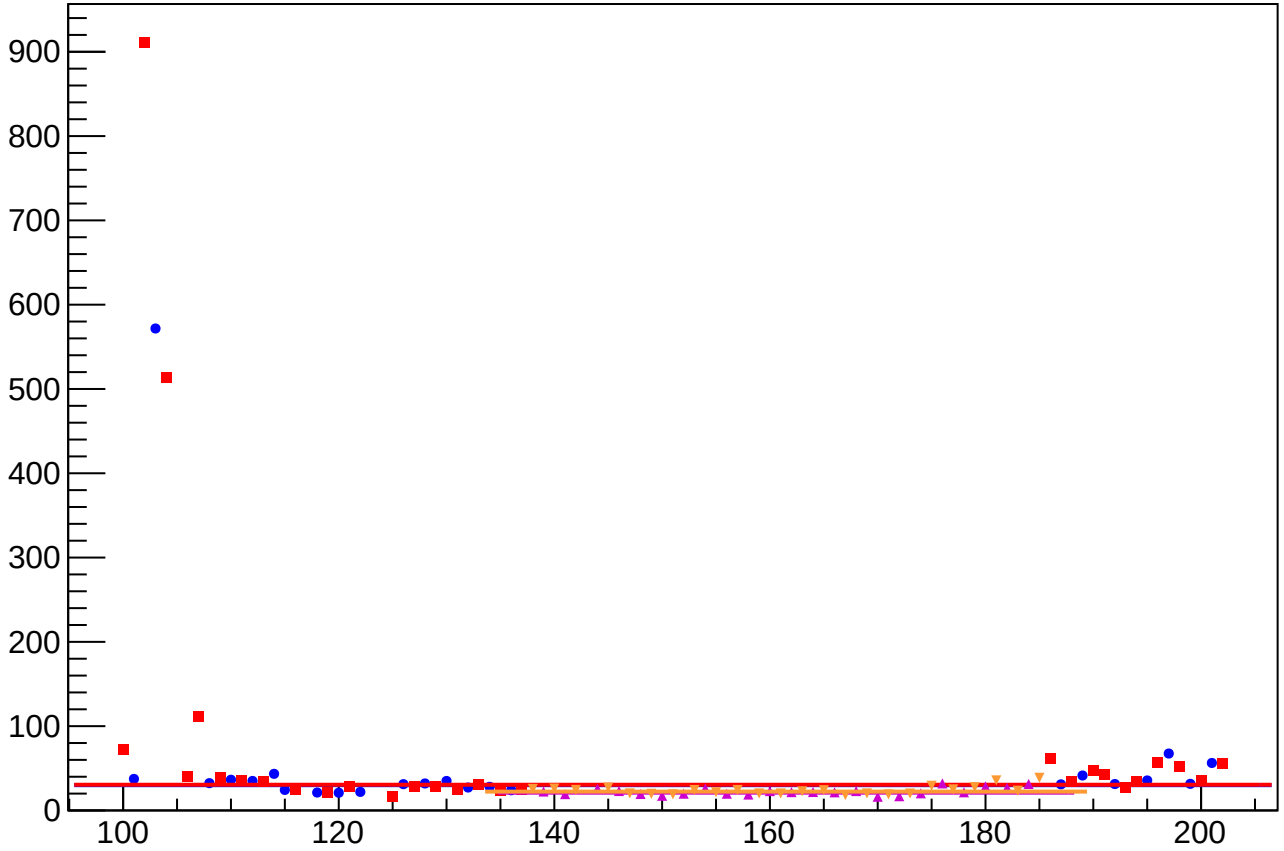
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.0/46

All: -0.002+/-0.003 χ^2/NDF: 75.0/97

- sign 0.003+/-0.005 χ^2/NDF: 36.3/50

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.995+/-0.007 χ^2/NDF: 2532823.8/22

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

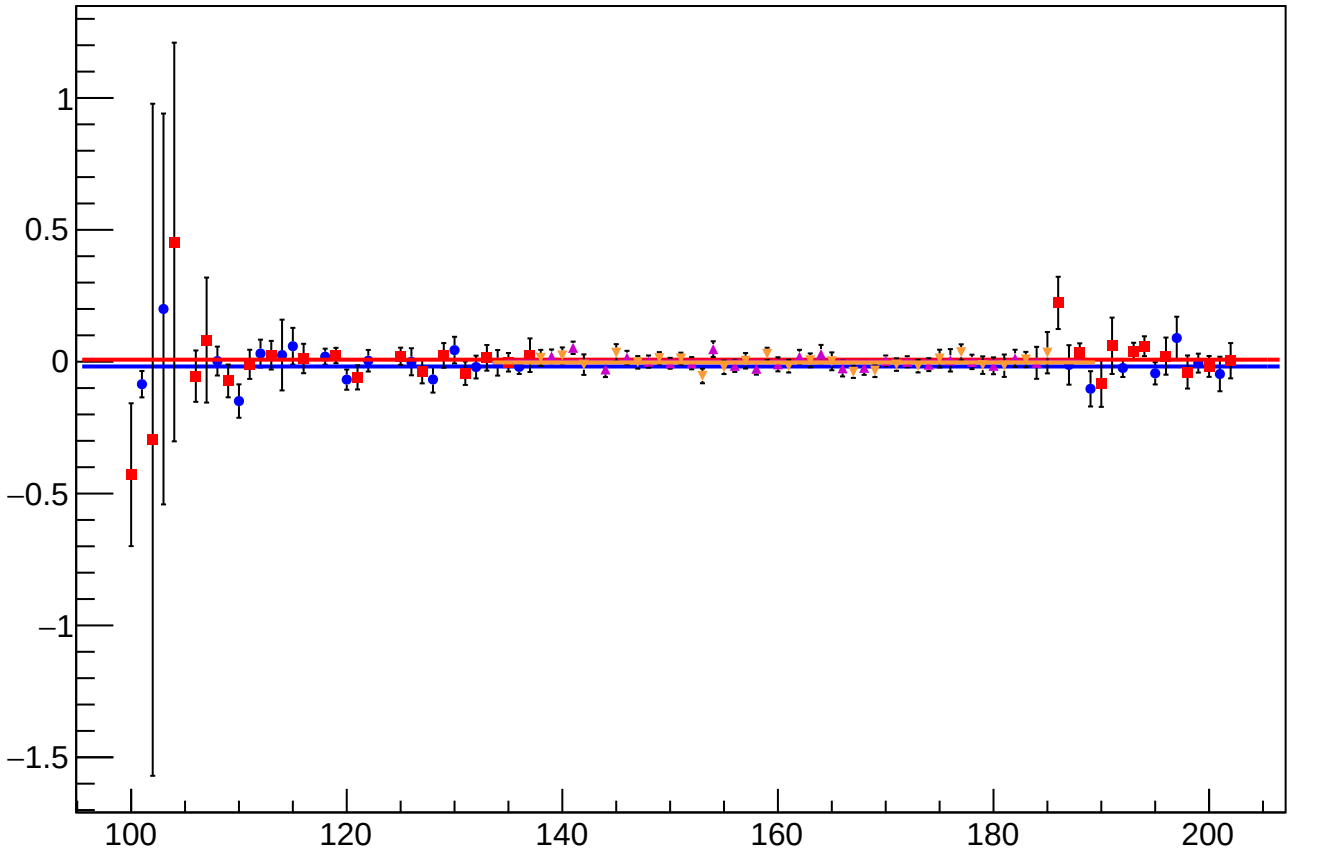
Right Out: 30.496+/-0.007 χ^2/NDF: 4063485.3/27

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.286+/-0.003 χ^2/NDF: 4262058.4/46

All: 23.836+/-0.002 χ^2/NDF: 10635522.6/97

- sign 23.417+/-0.003 χ^2/NDF: 6341118.9/50



Right In: -0.018+/-0.010 χ^2/NDF: 18.8/22

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

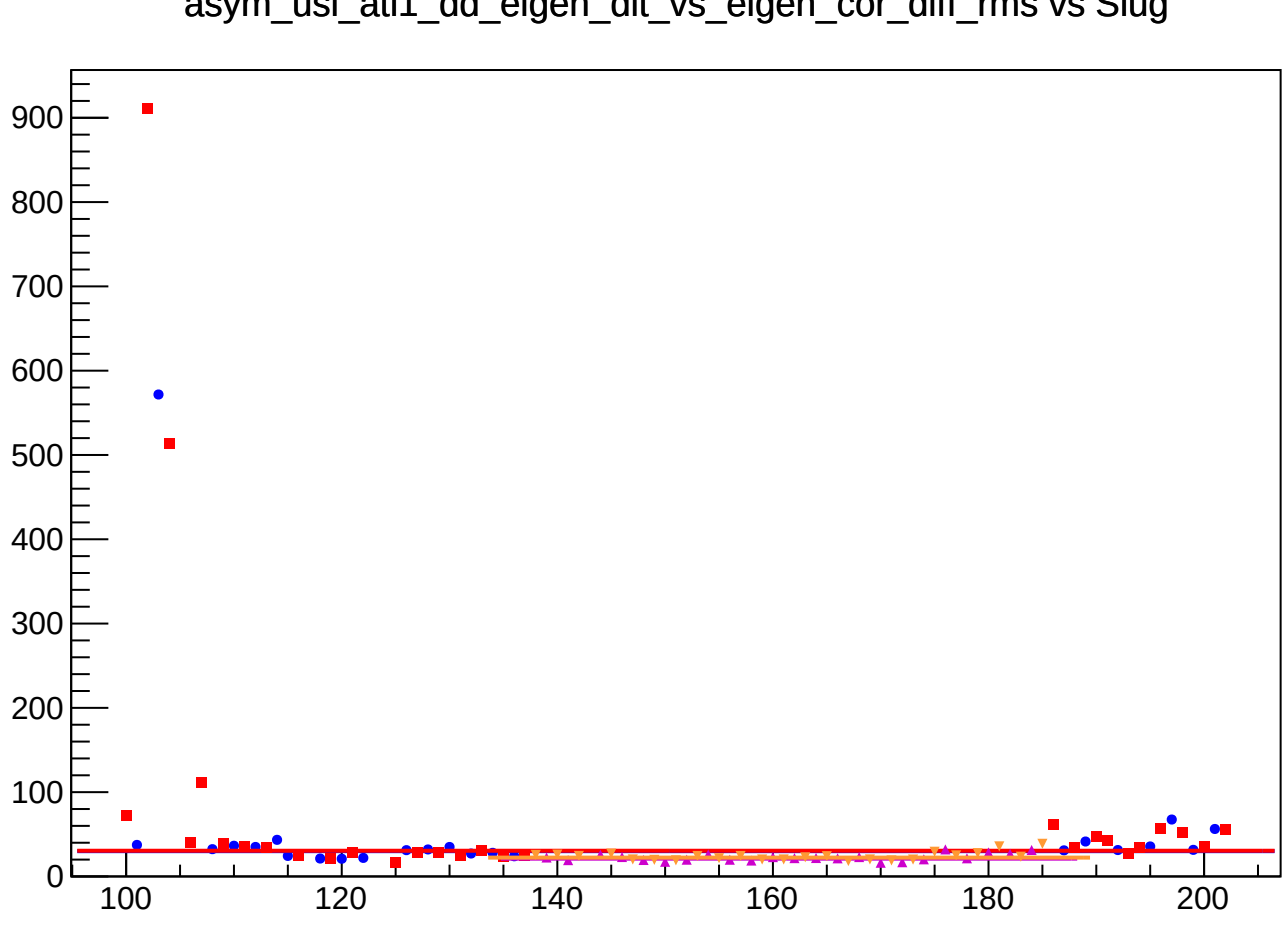
Right Out: 0.008+/-0.010 χ^2/NDF: 21.0/27

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.0/46

All: -0.002+/-0.003 χ^2/NDF: 75.0/97

- sign 0.003+/-0.005 χ^2/NDF: 36.3/50



Right In: 29.995+/-0.007 χ^2/NDF: 2532823.8/22

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

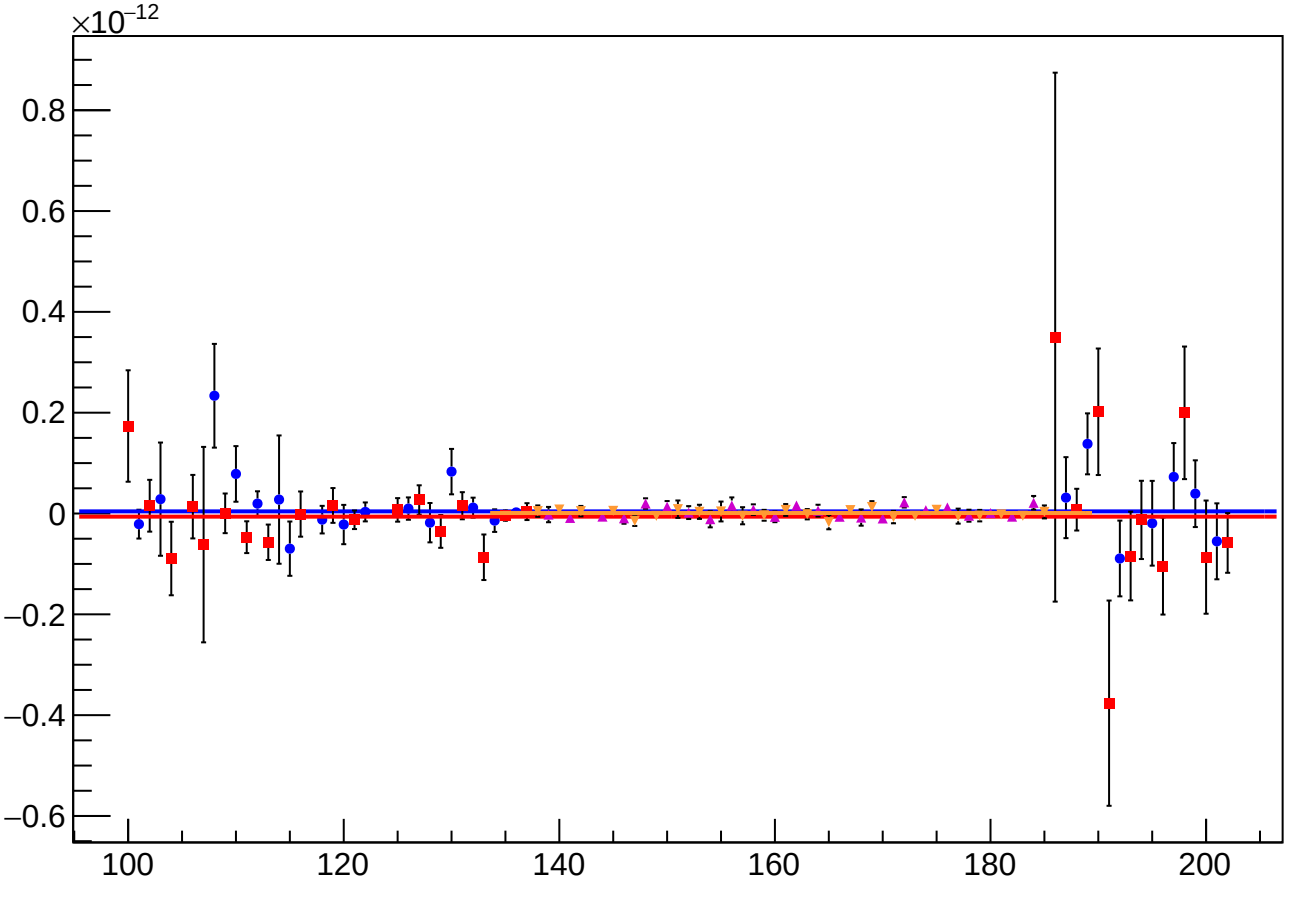
Right Out: 30.496+/-0.007 χ^2/NDF: 4063485.3/27

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.286+/-0.003 χ^2/NDF: 4262058.4/46

All: 23.836+/-0.002 χ^2/NDF: 10635522.6/97

- sign 23.417+/-0.003 χ^2/NDF: 6341118.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

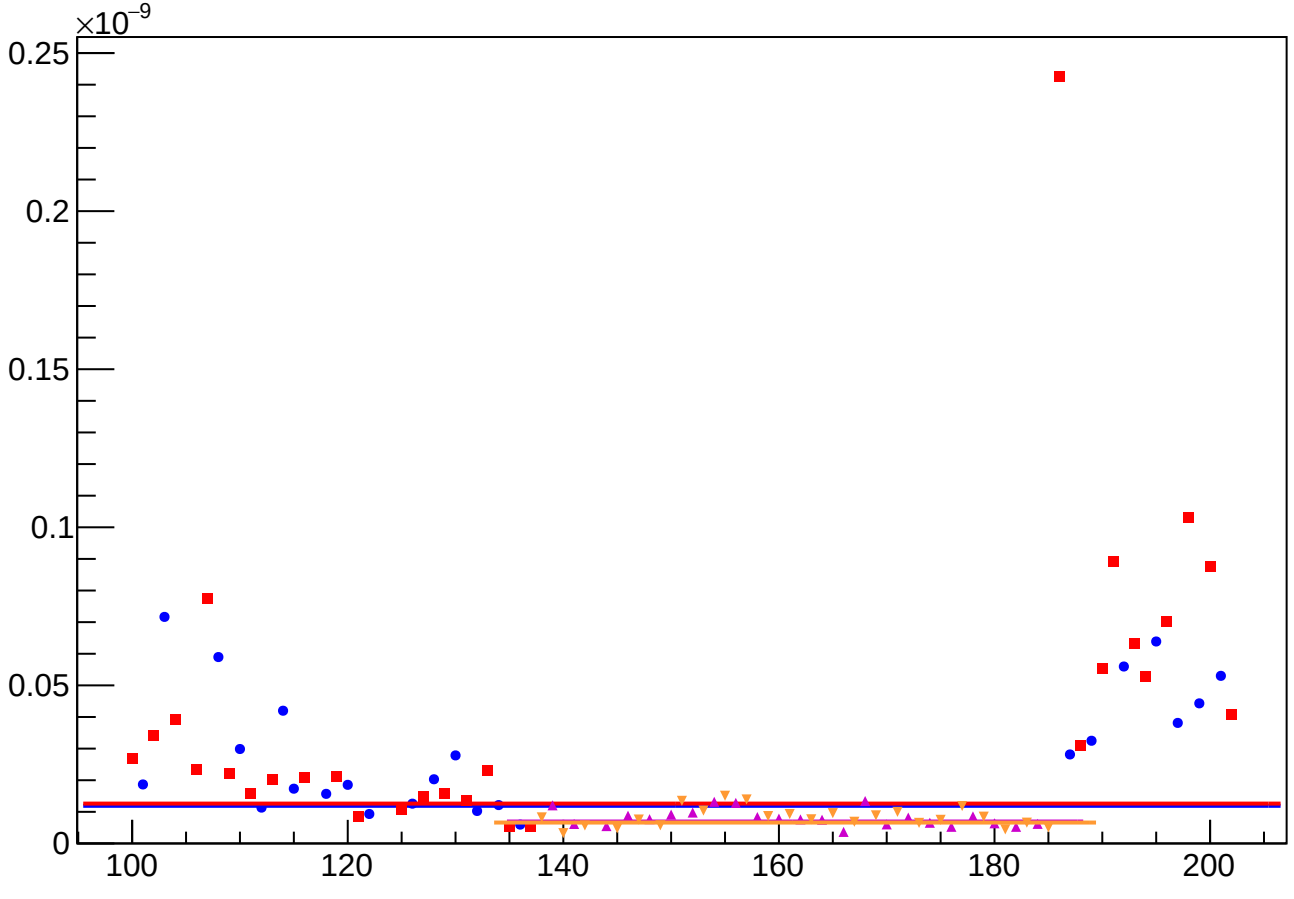
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/27

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/46

All: 0.000+/-0.000 χ^2/NDF: 90.3/97

- sign 0.000+/-0.000 χ^2/NDF: 54.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 6066504.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8502436.4/27

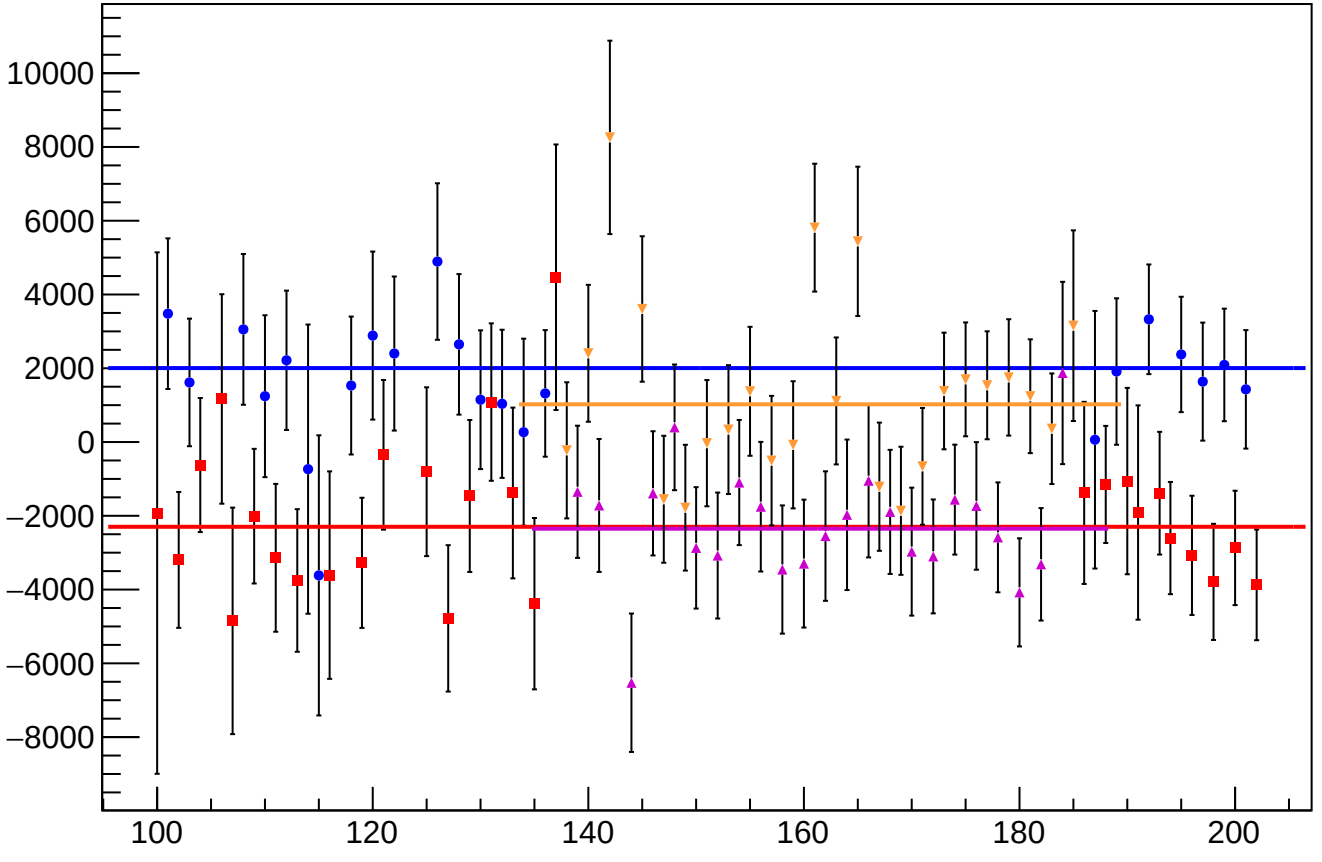
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11104330.9/46

All: 0.000+/-0.000 χ^2/NDF: 23591655.5/97

- sign 0.000+/-0.000 χ^2/NDF: 12455324.7/50

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2005.216+/-405.814 χ^2/NDF: 8.3/22

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2298.033+/-378.519 χ^2/NDF: 18.3/27

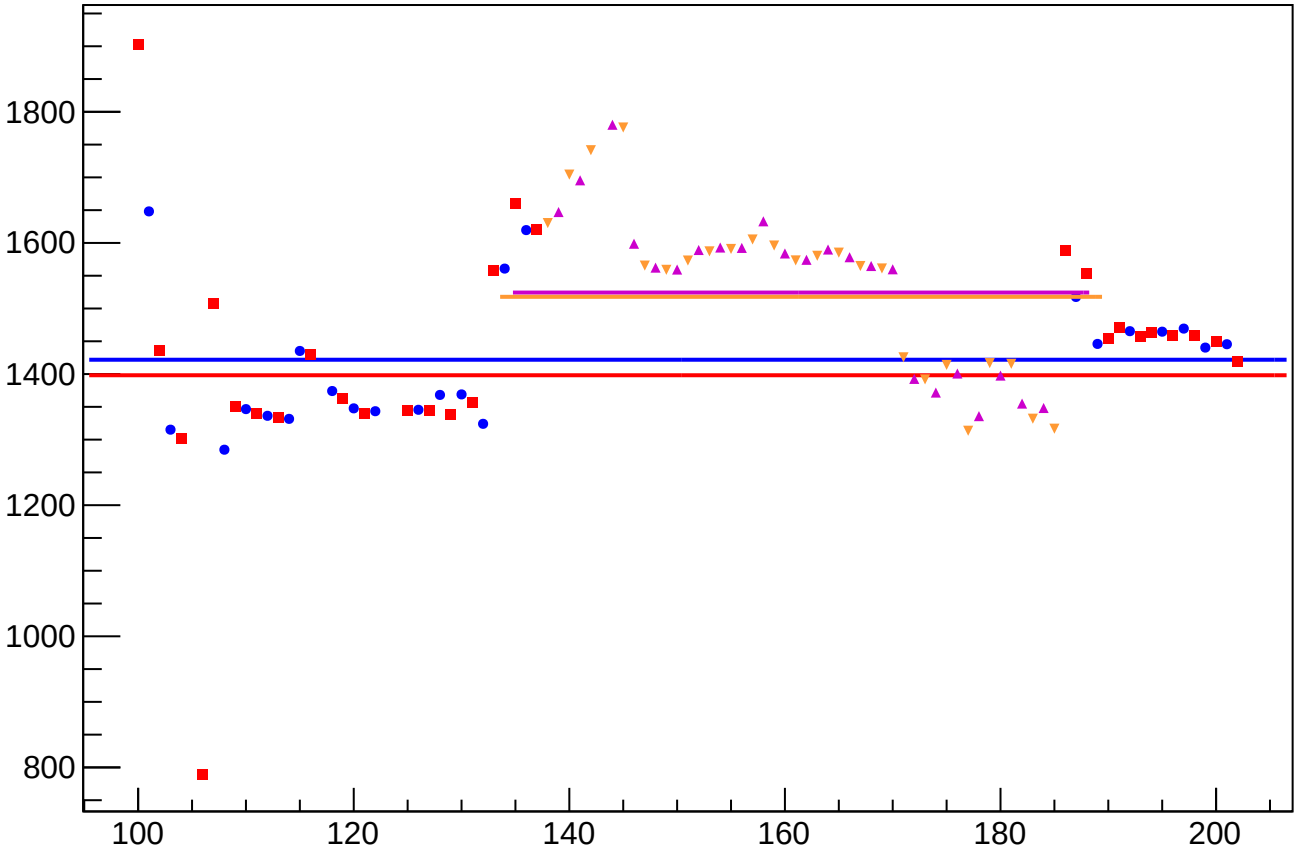
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1446.475+/-266.534 χ^2/NDF: 48.1/46

All: -488.014+/-186.019 χ^2/NDF: 185.0/97

- sign -2325.101+/-259.738 χ^2/NDF: 34.3/50

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1421.850+/-0.287 χ^2/NDF: 105547.8/22

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

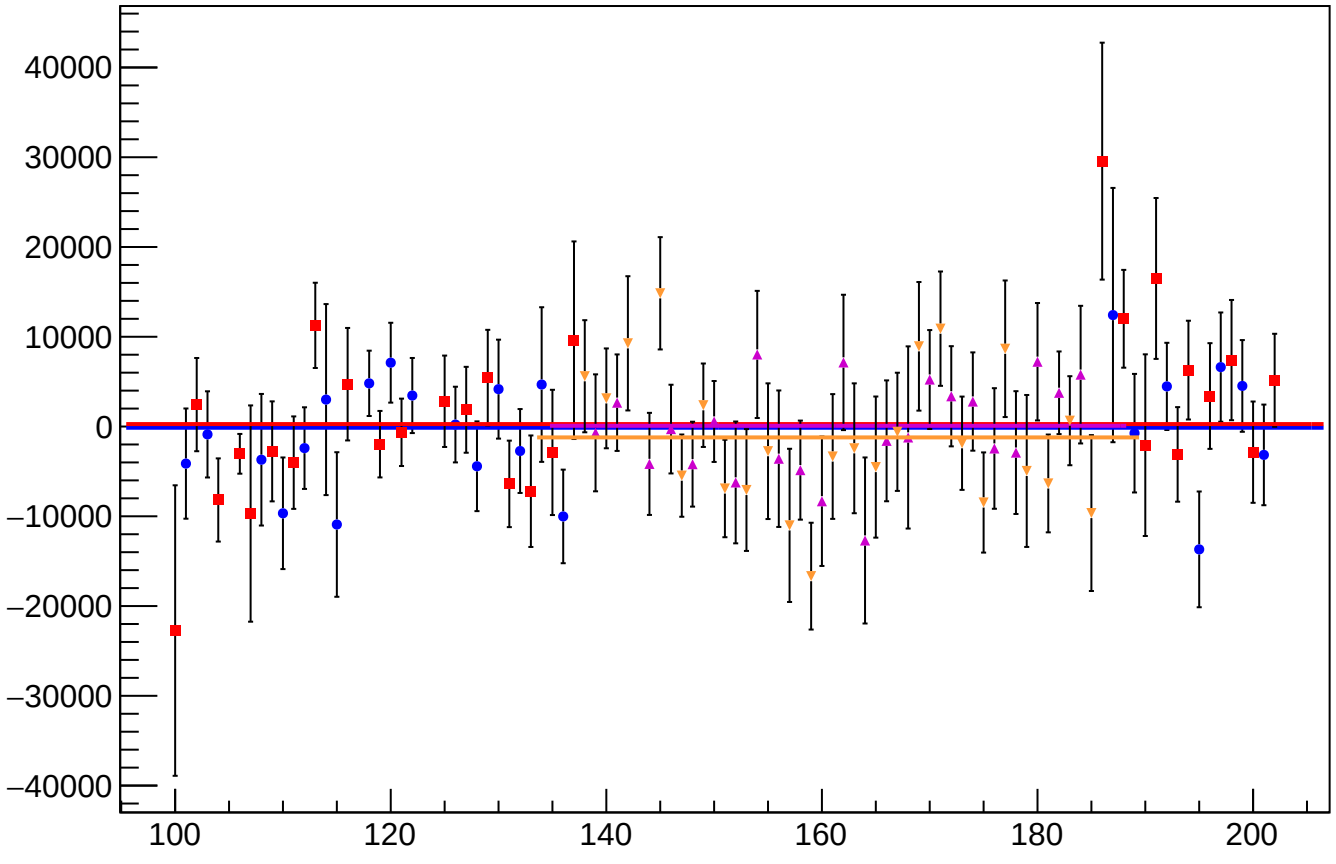
Right Out: 1398.191+/-0.263 χ^2/NDF: 394241.0/27

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1476.419+/-0.188 χ^2/NDF: 403101.9/46

All: 1469.921+/-0.131 χ^2/NDF: 1143587.2/97

- sign 1463.850+/-0.182 χ^2/NDF: 738186.2/50



Right In: -134.672+/-1127.254 χ^2/NDF: 24.4/22

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 272.874+/-976.882 χ^2/NDF: 38.4/27

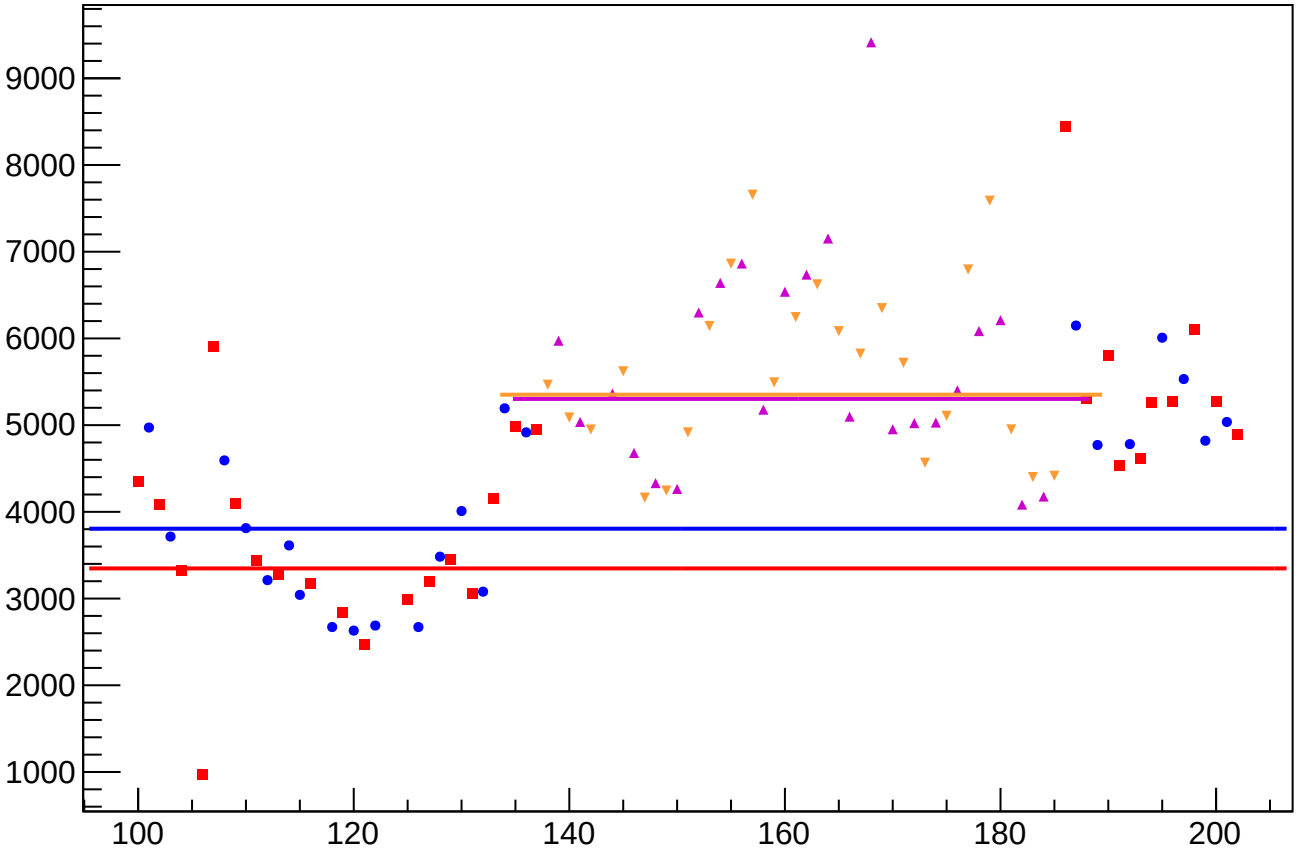
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -610.070+/-842.565 χ^2/NDF: 58.1/46

All: -169.651+/-569.610 χ^2/NDF: 110.2/97

- sign 201.065+/-773.021 χ^2/NDF: 51.6/50

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3805.689+/-0.797 χ^2/NDF: 1719572.4/22

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3347.635+/-0.691 χ^2/NDF: 4867686.6/27

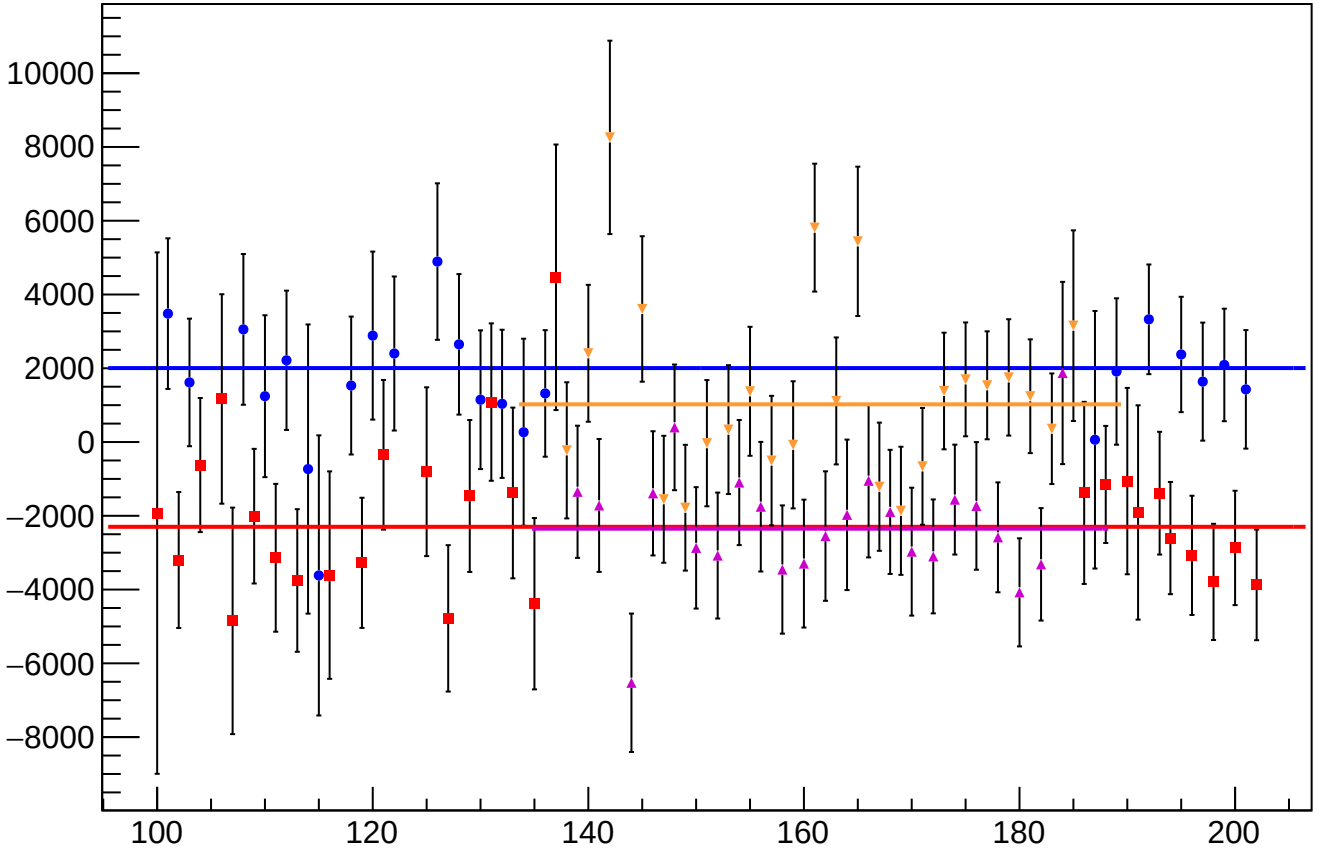
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4487.720+/-0.596 χ^2/NDF: 4444601.7/46

All: 4265.412+/-0.403 χ^2/NDF: 13817998.5/9

- sign 4078.287+/-0.547 χ^2/NDF: 9116971.4/50

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2005.227+/-405.814 χ^2/NDF: 8.3/22

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2298.132+/-378.520 χ^2/NDF: 18.3/27

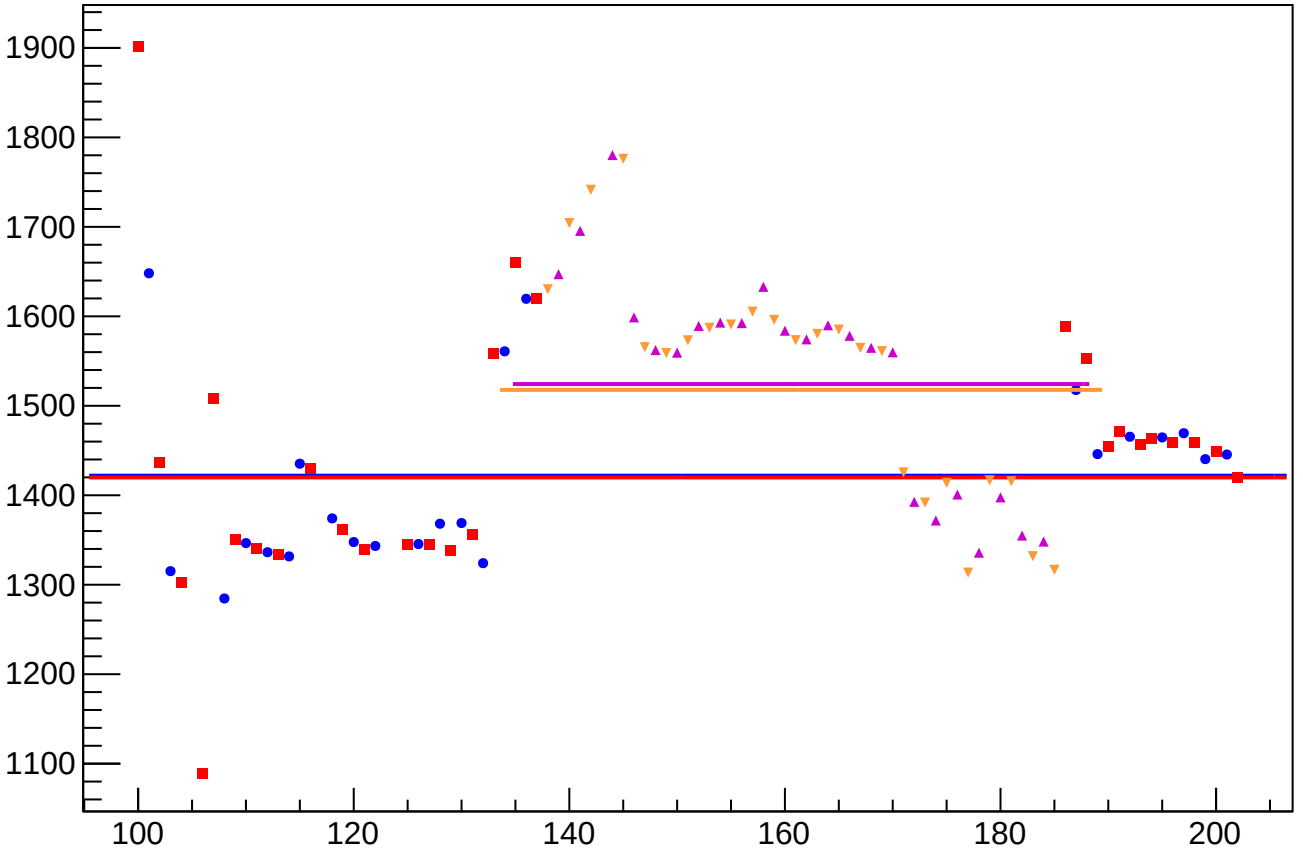
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1446.497+/-266.534 χ^2/NDF: 48.1/46

All: -488.024+/-186.019 χ^2/NDF: 185.0/97

- sign -2325.147+/-259.738 χ^2/NDF: 34.3/50

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1421.850+/-0.287 χ^2/NDF: 105547.9/22

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1419.936+/-0.266 χ^2/NDF: 158781.8/27

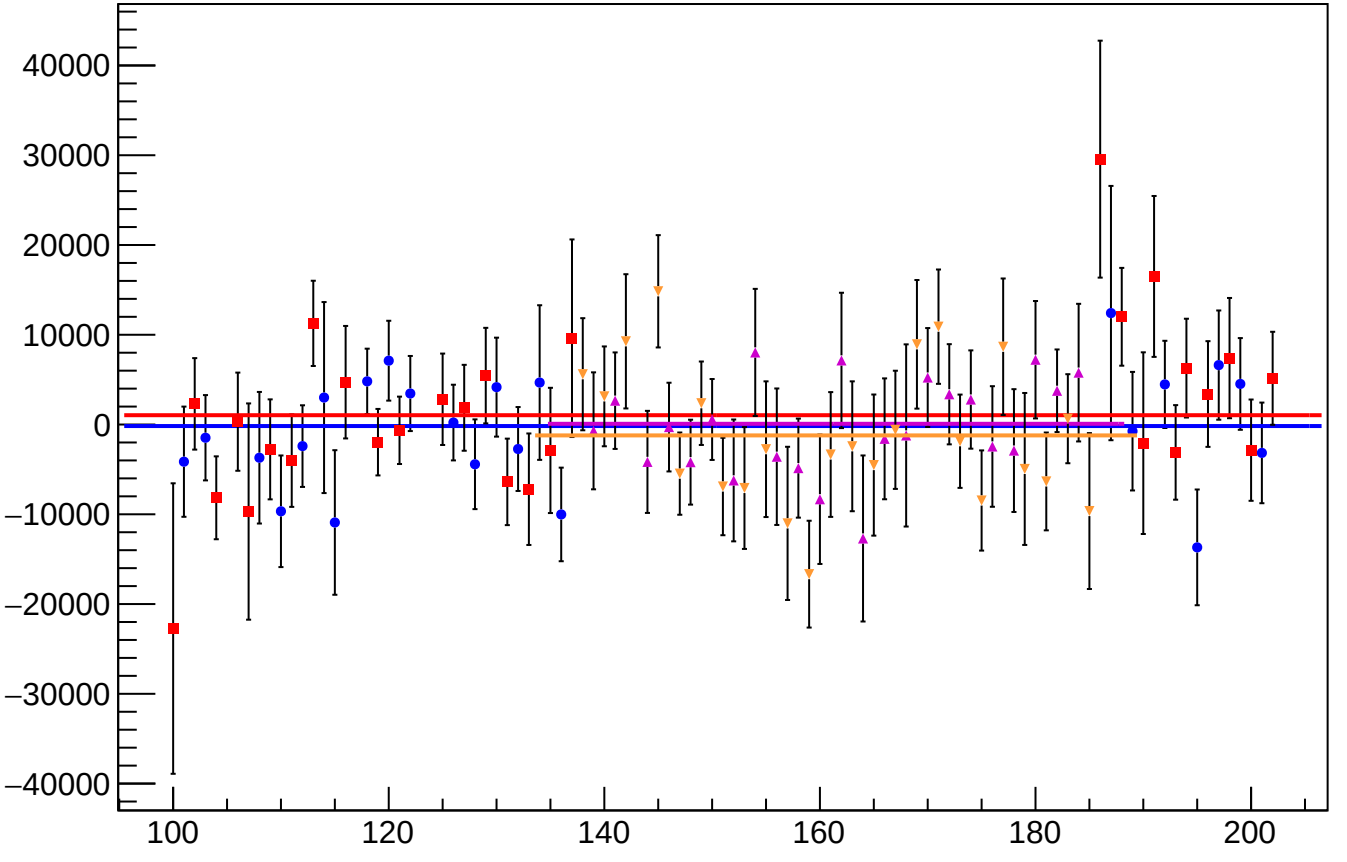
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1476.419+/-0.188 χ^2/NDF: 403102.1/46

All: 1475.583+/-0.131 χ^2/NDF: 867322.4/97

- sign 1474.795+/-0.183 χ^2/NDF: 464182.2/50

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -169.406+/-1126.605 χ^2/NDF: 24.5/22

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 1038.556+/-1066.545 χ^2/NDF: 35.7/27

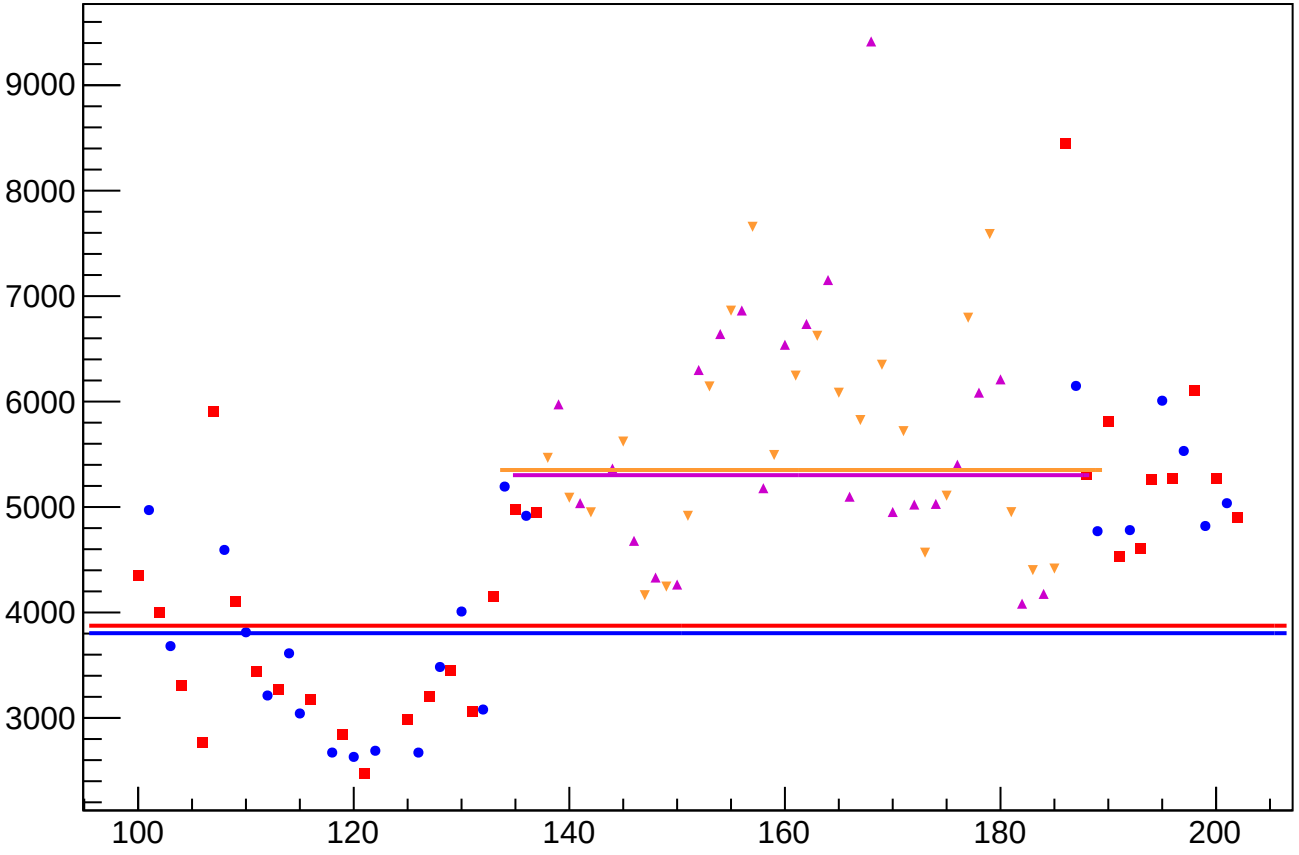
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -629.177+/-842.294 χ^2/NDF: 58.1/46

All: 26.299+/-585.787 χ^2/NDF: 108.5/97

- sign 640.319+/-815.224 χ^2/NDF: 49.2/50

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3803.681+/-0.797 χ^2/NDF: 1720124.0/22

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3874.590+/-0.754 χ^2/NDF: 2086715.2/27

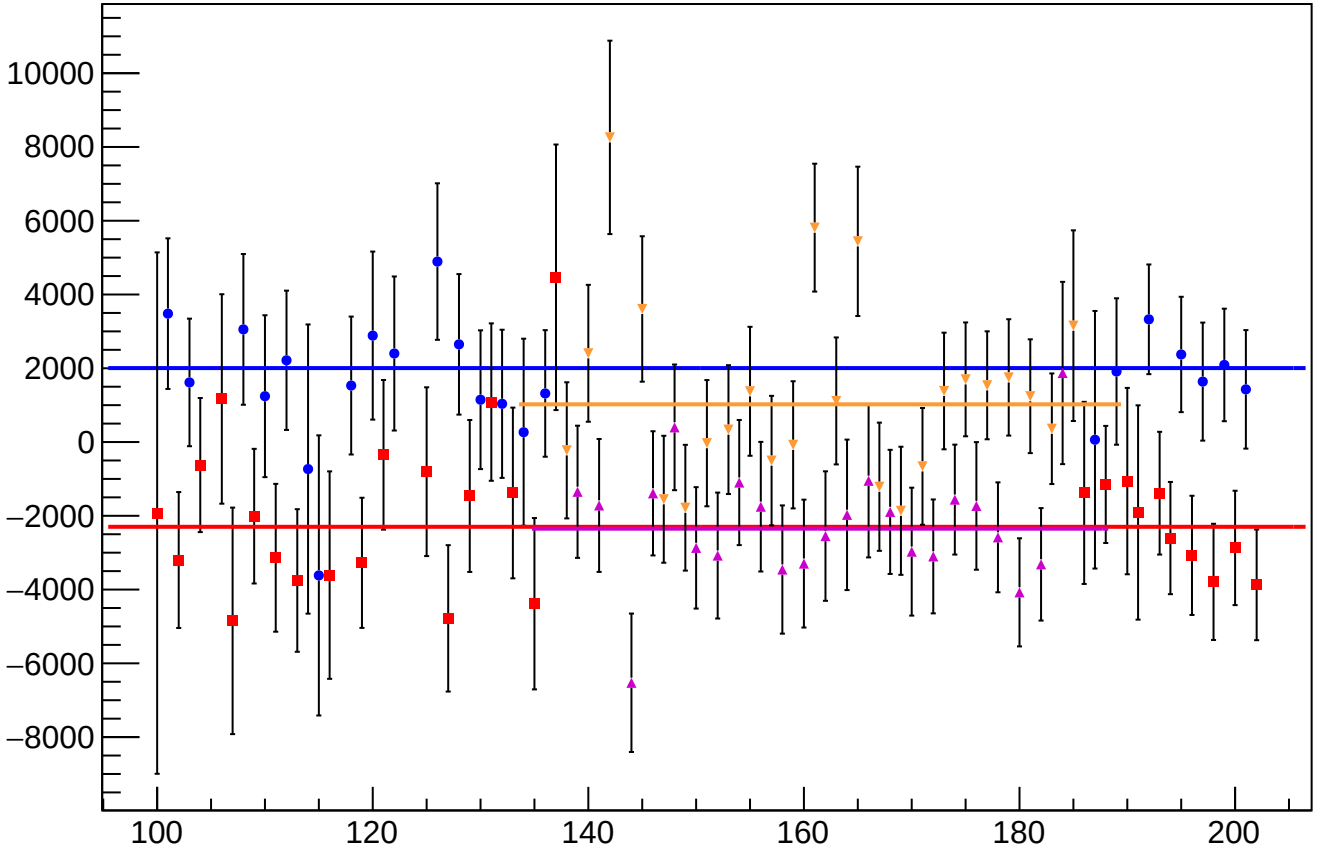
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4486.160+/-0.596 χ^2/NDF: 4450317.0/46

All: 4476.843+/-0.414 χ^2/NDF: 9283580.9/97

- sign 4468.115+/-0.576 χ^2/NDF: 4832789.9/50

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2005.227+/-405.814 χ^2/NDF: 8.3/22

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2298.132+/-378.520 χ^2/NDF: 18.3/27

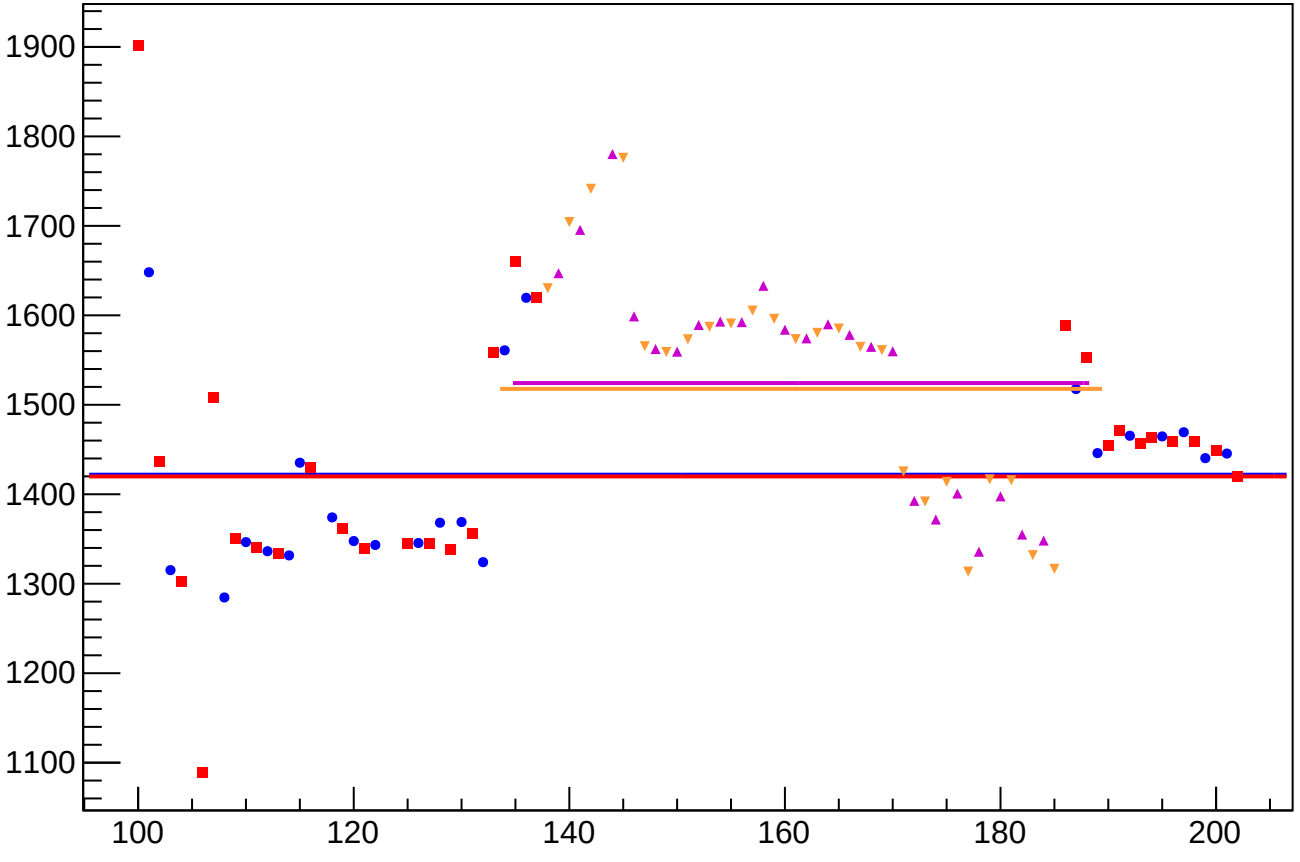
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1446.497+/-266.534 χ^2/NDF: 48.1/46

All: -488.024+/-186.019 χ^2/NDF: 185.0/97

- sign -2325.147+/-259.738 χ^2/NDF: 34.3/50

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1421.850+/-0.287 χ^2/NDF: 105547.9/22

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

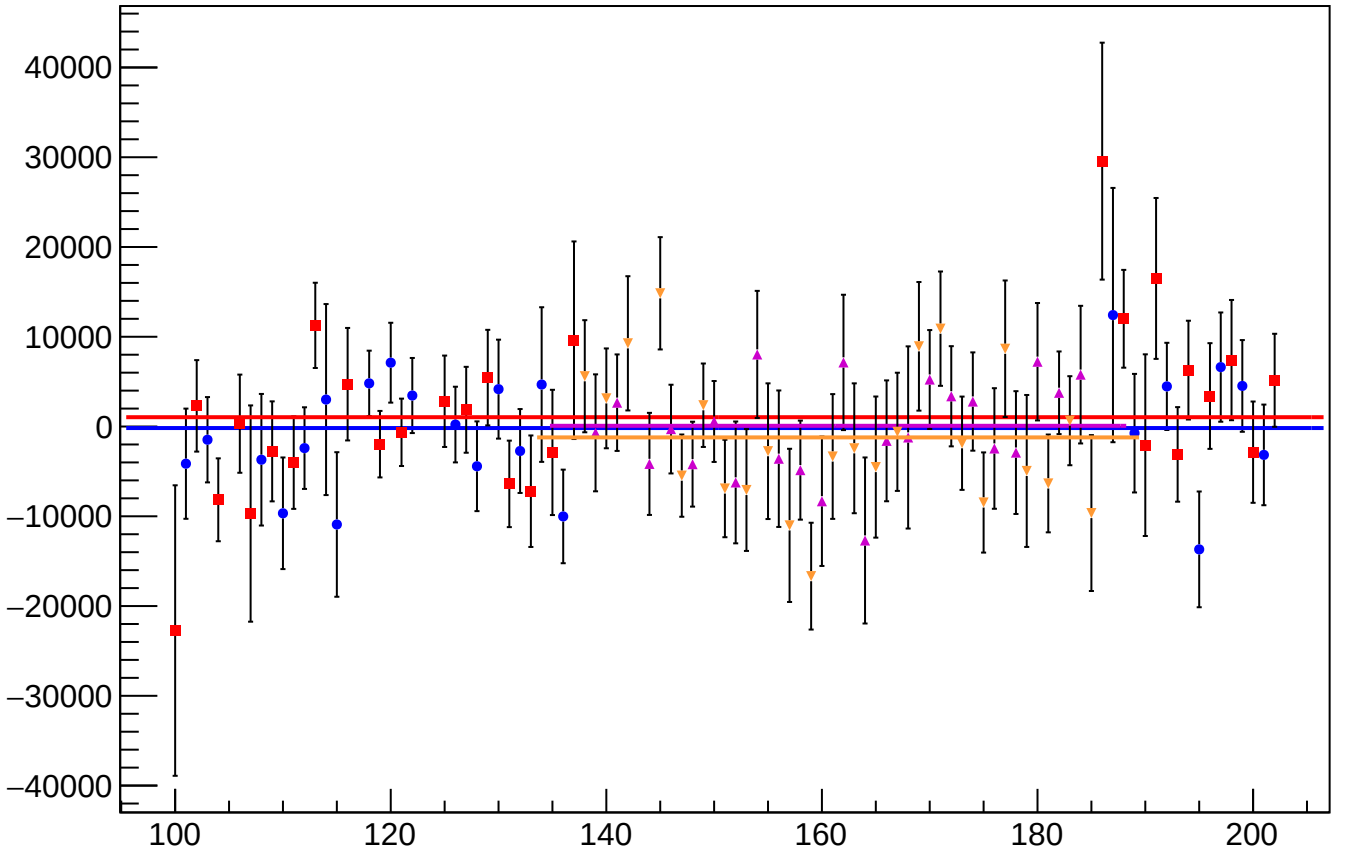
Right Out: 1419.936+/-0.266 χ^2/NDF: 158781.8/27

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1476.419+/-0.188 χ^2/NDF: 403102.1/46

All: 1475.583+/-0.131 χ^2/NDF: 867322.4/97

- sign 1474.795+/-0.183 χ^2/NDF: 464182.2/50



Right In: -169.406+/-1126.605 χ^2/NDF: 24.5/22

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

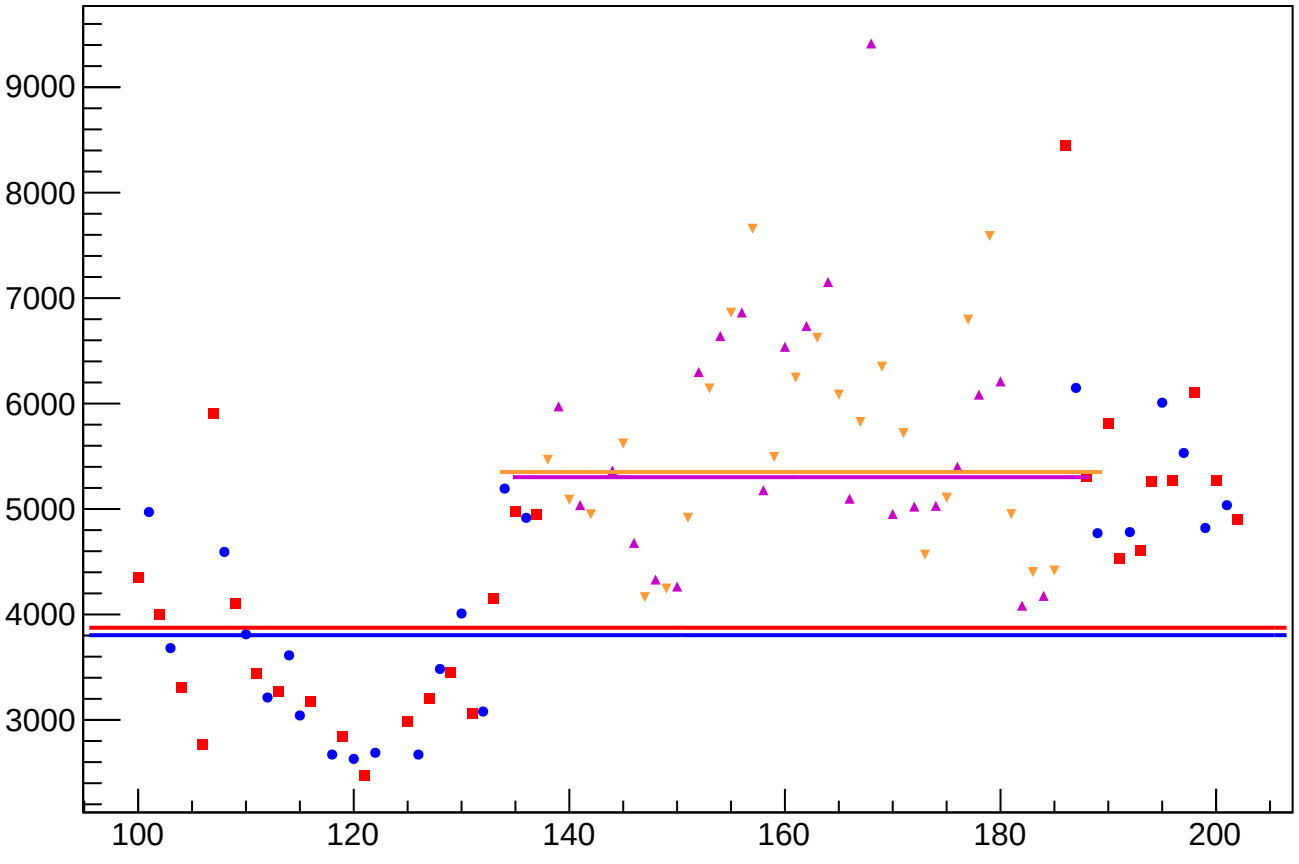
Right Out: 1038.556+/-1066.545 χ^2/NDF: 35.7/27

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -629.177+/-842.294 χ^2/NDF: 58.1/46

All: 26.299+/-585.787 χ^2/NDF: 108.5/97

- sign 640.319+/-815.224 χ^2/NDF: 49.2/50



Right In: 3803.681+/-0.797 χ^2/NDF: 1720124.0/22

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3874.590+/-0.754 χ^2/NDF: 2086715.2/27

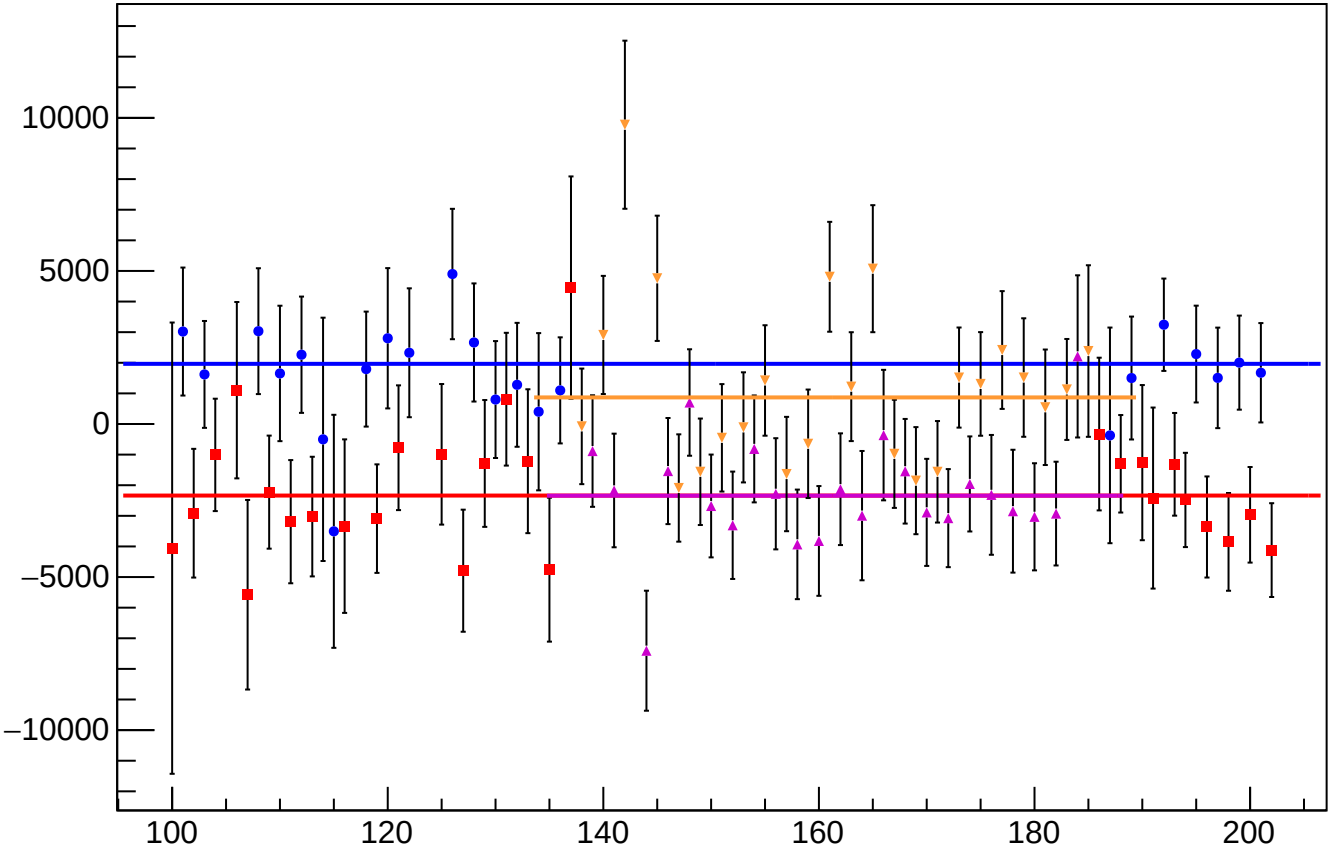
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4486.160+/-0.596 χ^2/NDF: 4450317.0/46

All: 4476.843+/-0.414 χ^2/NDF: 9283580.9/97

- sign 4468.115+/-0.576 χ^2/NDF: 4832789.9/50

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1965.356+/-410.270 χ^2/NDF: 7.7/22

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2337.558+/-384.218 χ^2/NDF: 17.8/27

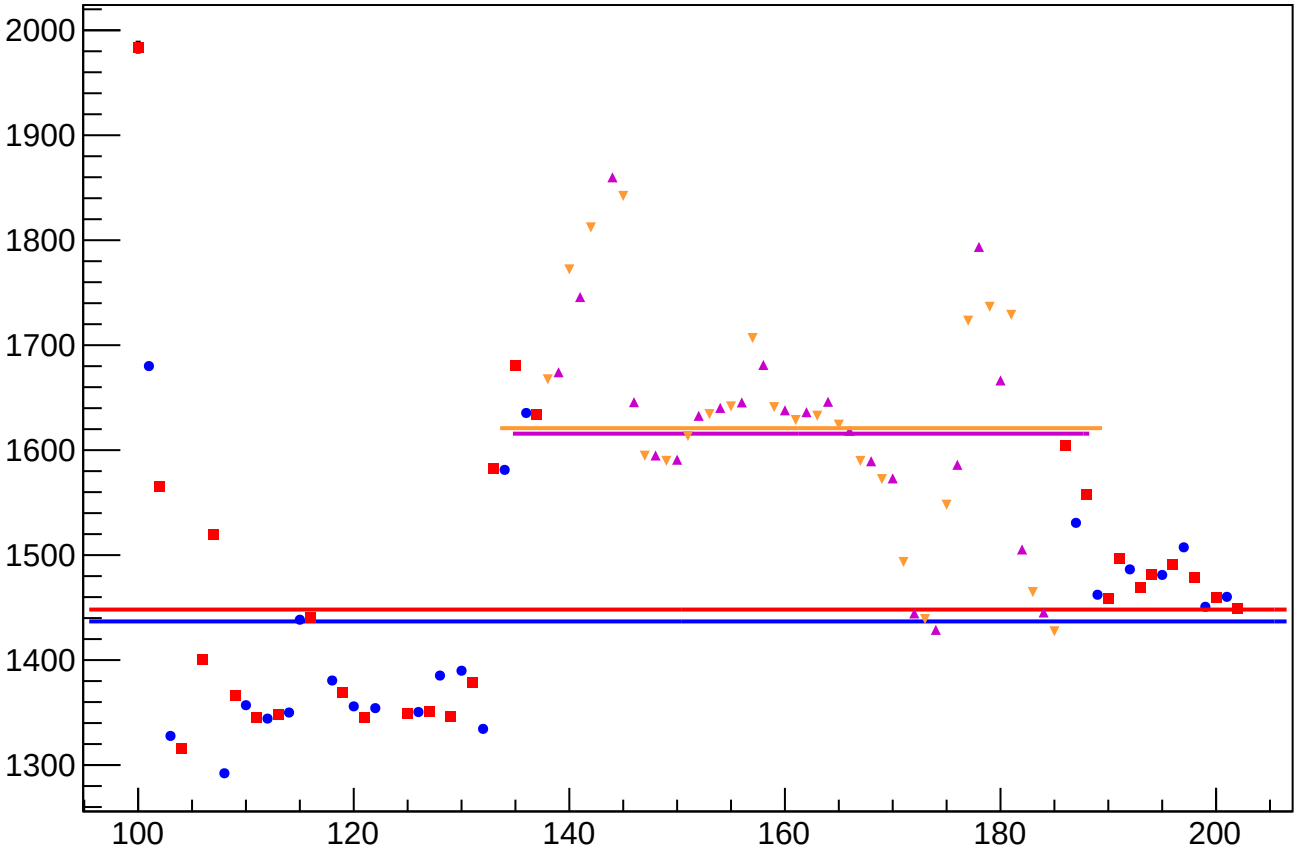
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1370.871+/-277.669 χ^2/NDF: 51.4/46

All: -539.943+/-193.388 χ^2/NDF: 179.2/97

- sign -2339.968+/-269.499 χ^2/NDF: 35.9/50

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1436.821+/-0.290 χ^2/NDF: 113853.6/22

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1448.133+/-0.271 χ^2/NDF: 120406.8/27

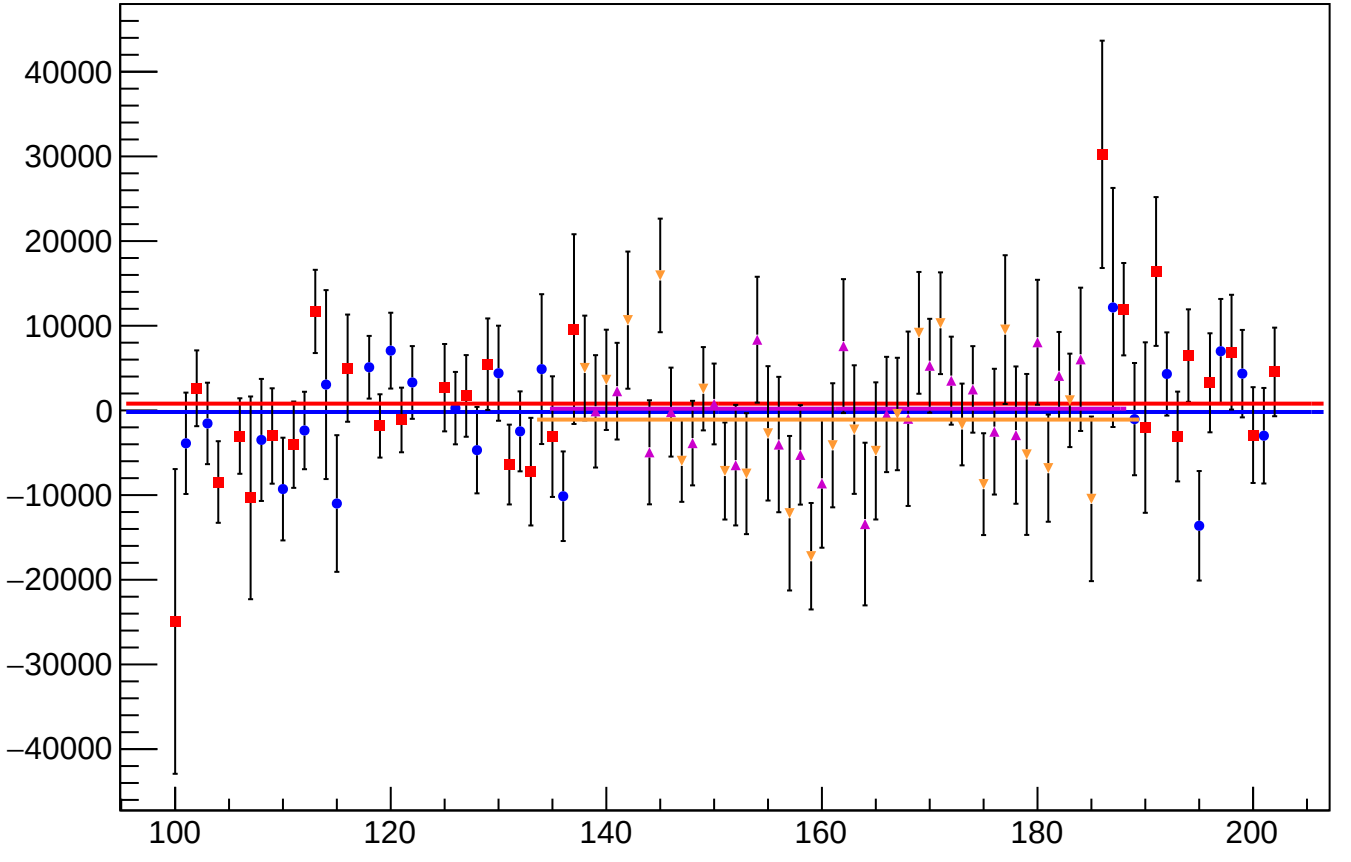
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1536.607+/-0.196 χ^2/NDF: 474146.2/46

All: 1534.822+/-0.137 χ^2/NDF: 925392.4/97

- sign 1533.142+/-0.190 χ^2/NDF: 451085.7/50

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -185.243+/-1138.012 χ^2/NDF: 24.2/22

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 800.647+/-1058.832 χ^2/NDF: 36.5/27

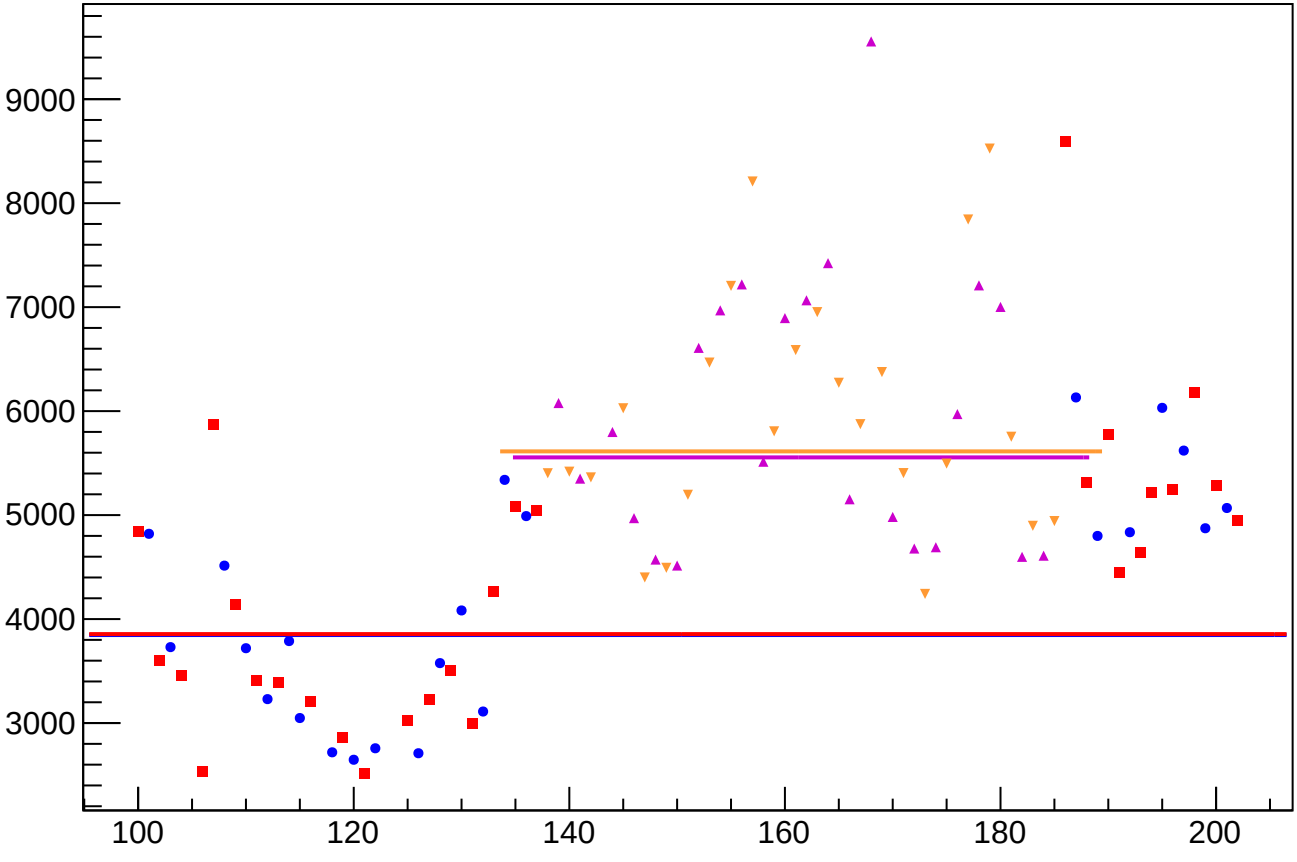
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -563.590+/-865.341 χ^2/NDF: 57.4/46

All: 27.241+/-598.042 χ^2/NDF: 107.8/97

- sign 567.463+/-827.450 χ^2/NDF: 49.5/50

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3846.537+/-0.805 χ^2/NDF: 1676014.8/22

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3855.644+/-0.749 χ^2/NDF: 2158715.8/27

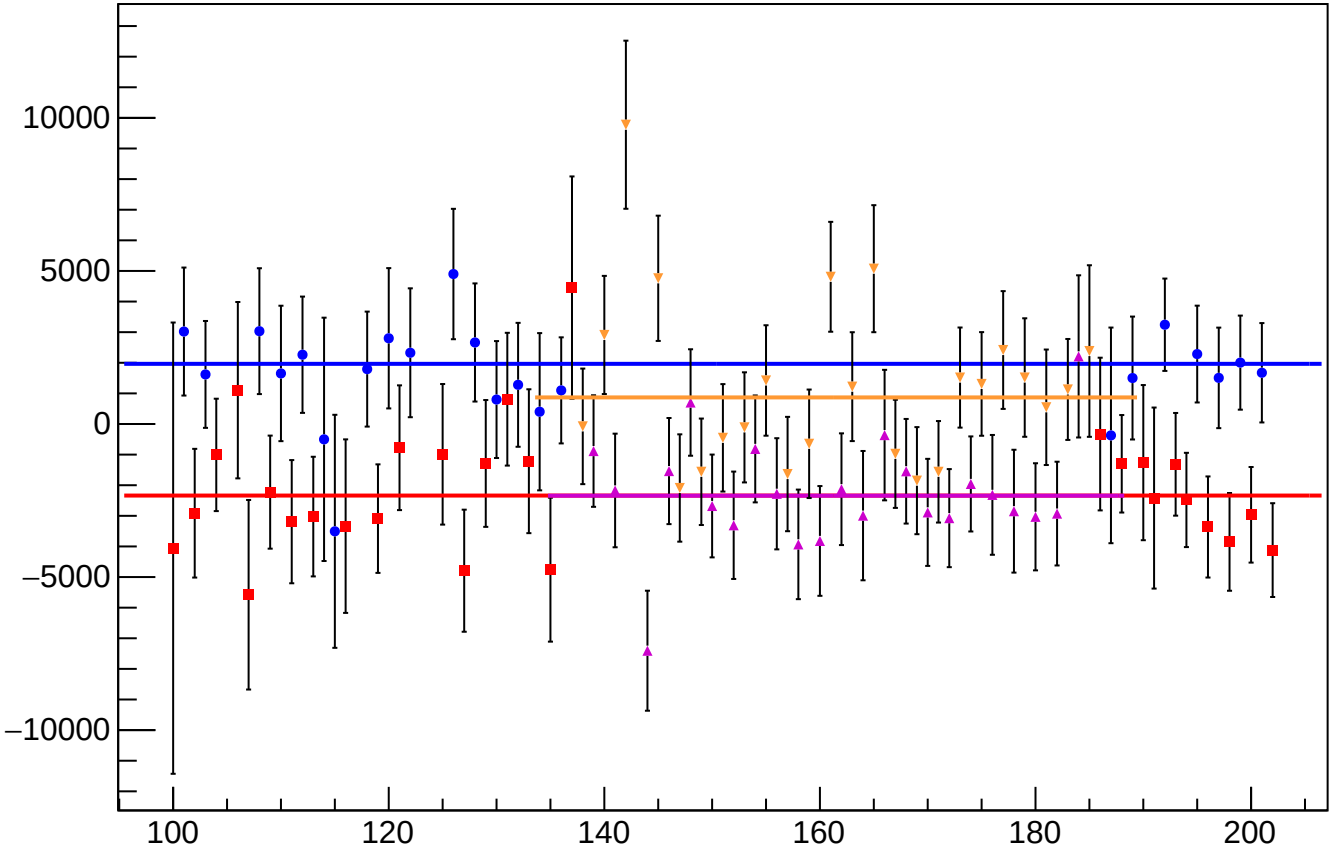
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

\+ sign 4591.512+/-0.612 χ^2/NDF: 4896096.9/46

All: 4552.679+/-0.423 χ^2/NDF: 10400840.9/9

\- sign 4517.172+/-0.585 χ^2/NDF: 5497033.7/50

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1965.355+/-410.270 χ^2/NDF: 7.7/22

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2337.558+/-384.218 χ^2/NDF: 17.8/27

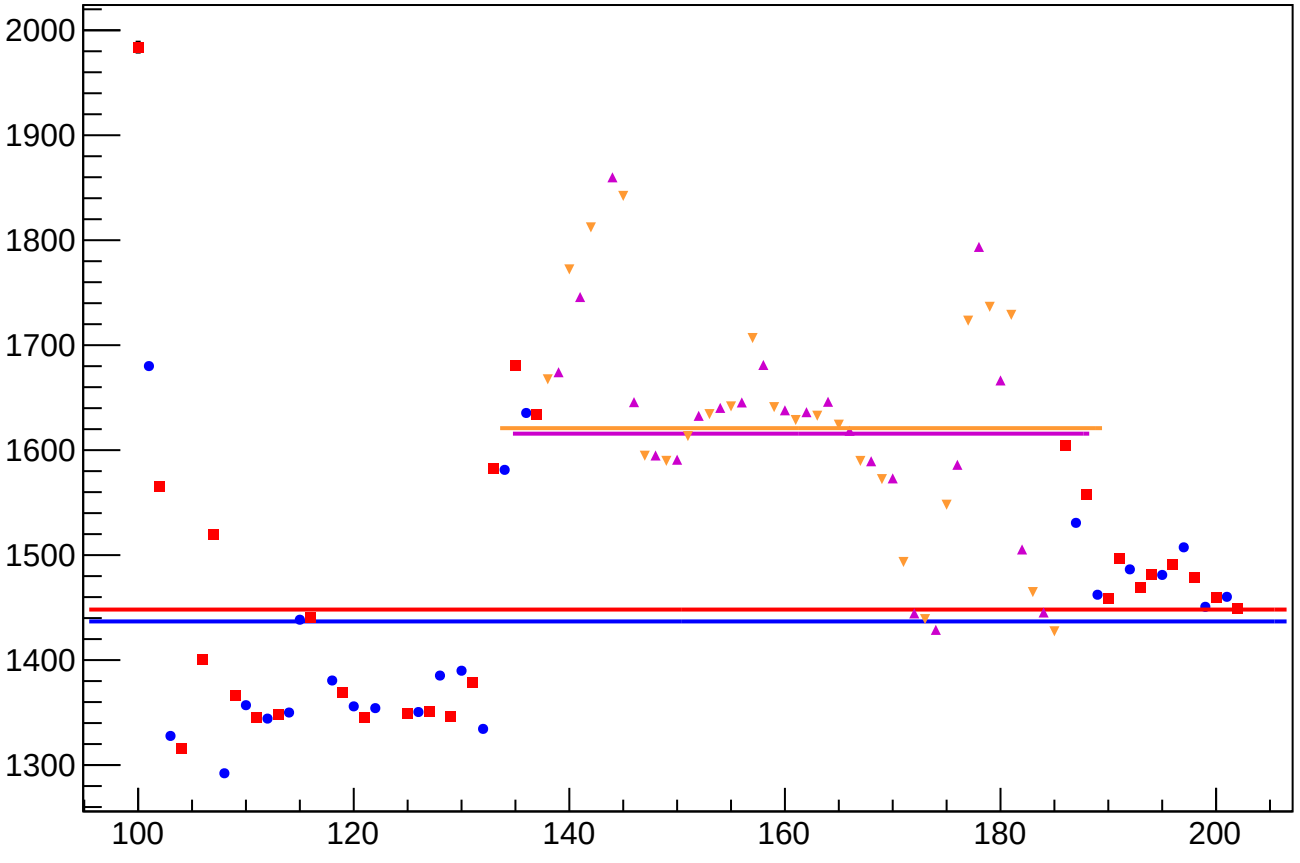
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1370.867+/-277.669 χ^2/NDF: 51.4/46

All: -539.944+/-193.388 χ^2/NDF: 179.2/97

- sign -2339.968+/-269.499 χ^2/NDF: 35.9/50

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1436.821+/-0.290 χ^2/NDF: 113853.7/22

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

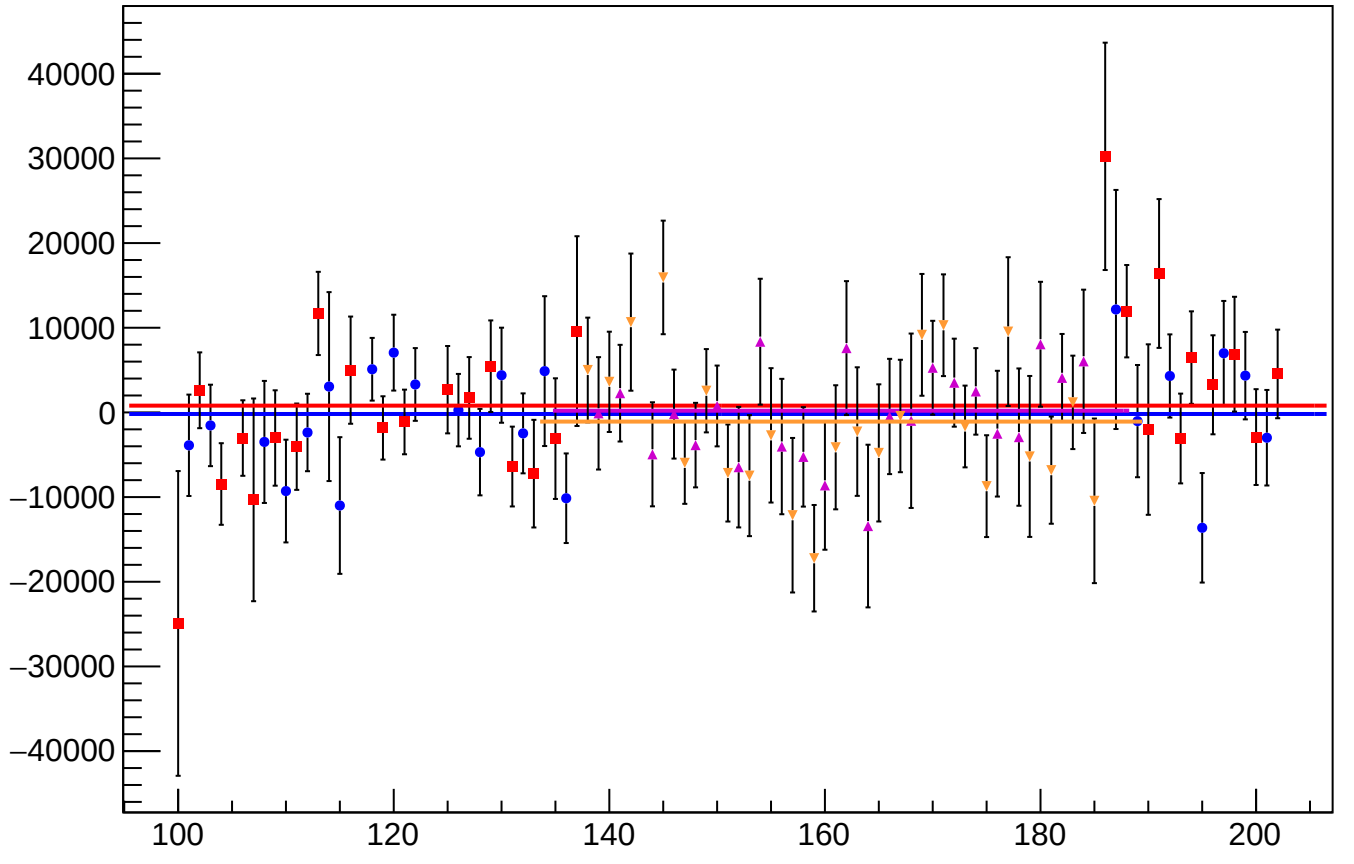
Right Out: 1448.133+/-0.271 χ^2/NDF: 120406.9/27

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1536.608+/-0.196 χ^2/NDF: 474153.8/46

All: 1534.822+/-0.137 χ^2/NDF: 925407.7/97

- sign 1533.143+/-0.190 χ^2/NDF: 451093.4/50



Right In: -185.239+/-1138.010 χ^2/NDF: 24.2/22

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

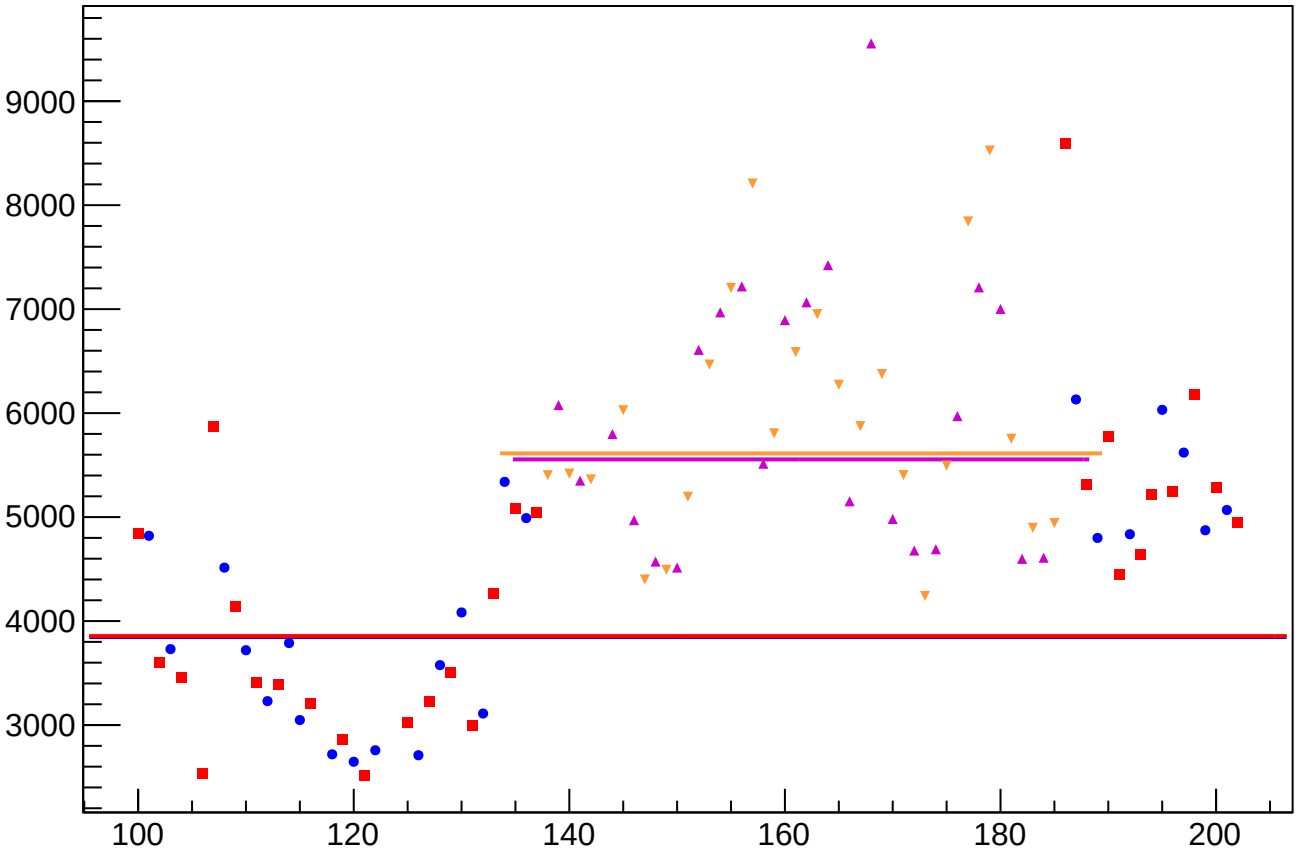
Right Out: 800.640+/-1058.830 χ^2/NDF: 36.5/27

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -563.589+/-865.340 χ^2/NDF: 57.4/46

All: 27.240+/-598.042 χ^2/NDF: 107.8/97

- sign 567.460+/-827.449 χ^2/NDF: 49.5/50



Right In: 3846.527+/-0.805 χ^2/NDF: 1676041.0/22

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3855.636+/-0.749 χ^2/NDF: 2158740.1/27

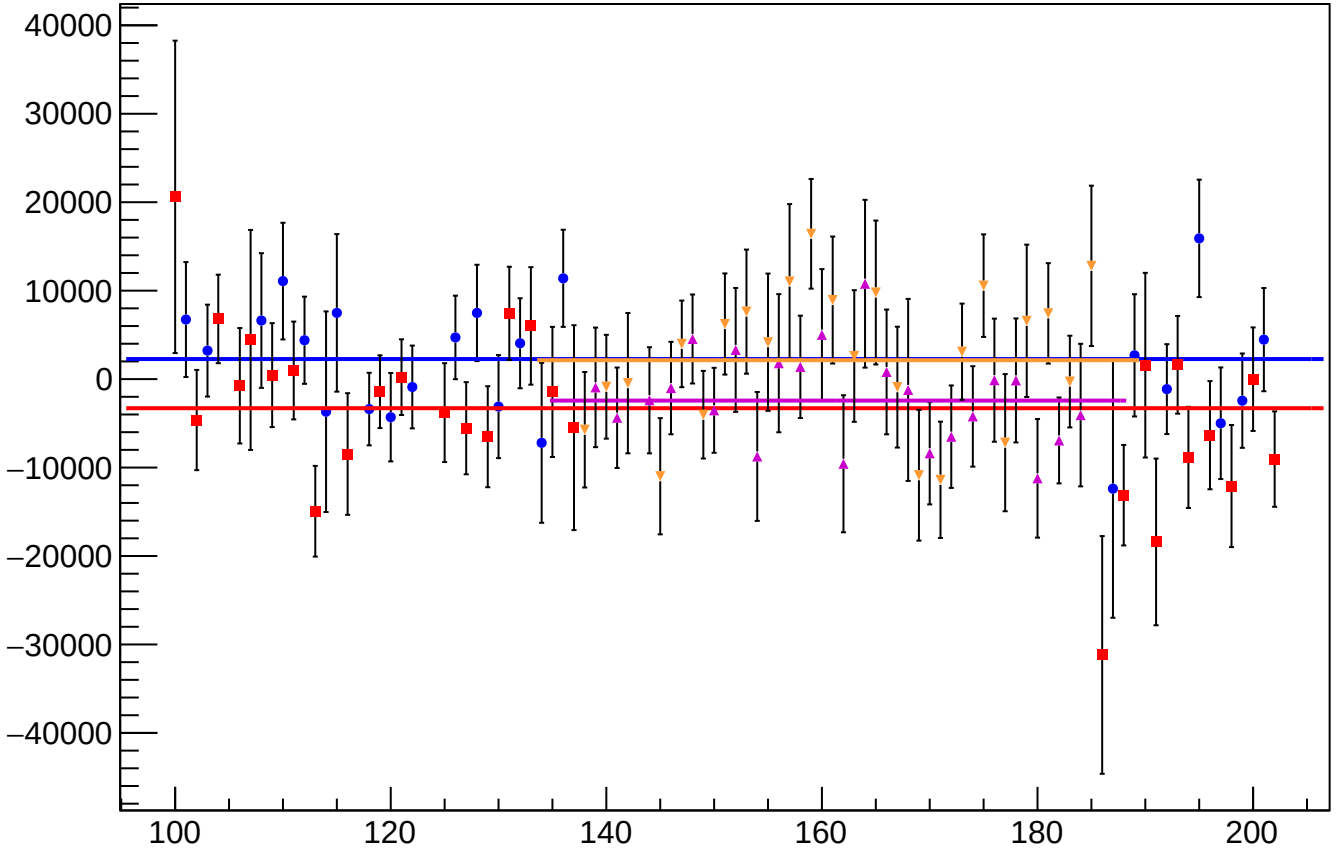
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4591.506+/-0.612 χ^2/NDF: 4896166.7/46

All: 4552.674+/-0.423 χ^2/NDF: 10400975.3/9

- sign 4517.167+/-0.585 χ^2/NDF: 5497098.3/50

asym_usl_atl2_avg_mean vs Slug



Right In: 2268.179+/-1215.767 χ^2/NDF: 21.5/22

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -3290.319+/-1151.193 χ^2/NDF: 36.0/27

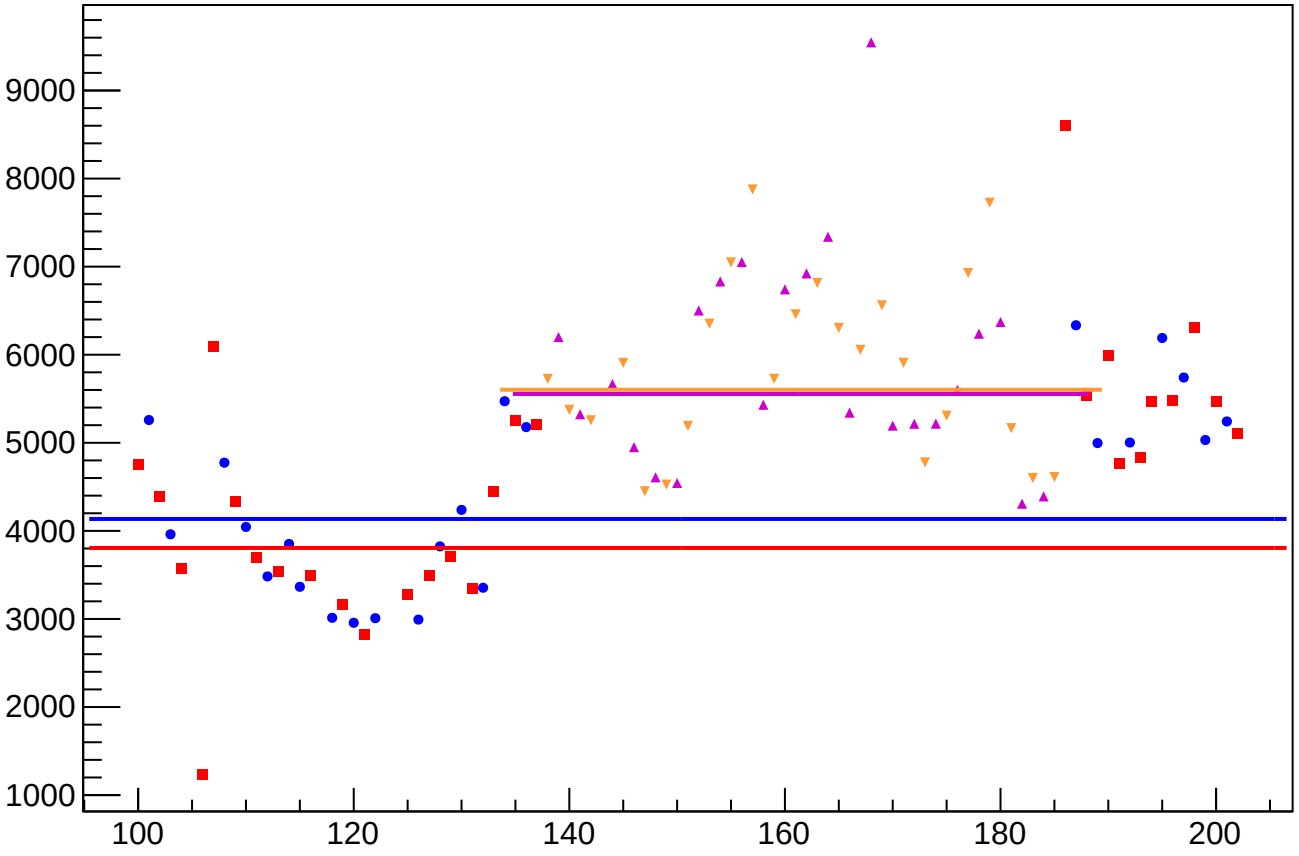
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2208.710+/-895.619 χ^2/NDF: 52.1/46

All: -435.273+/-623.270 χ^2/NDF: 118.1/97

- sign -2918.162+/-867.906 χ^2/NDF: 49.1/50

asym_usl_atl2_avg_rms vs Slug



Right In: 4135.350+/-0.860 χ^2/NDF: 1376766.8/22

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

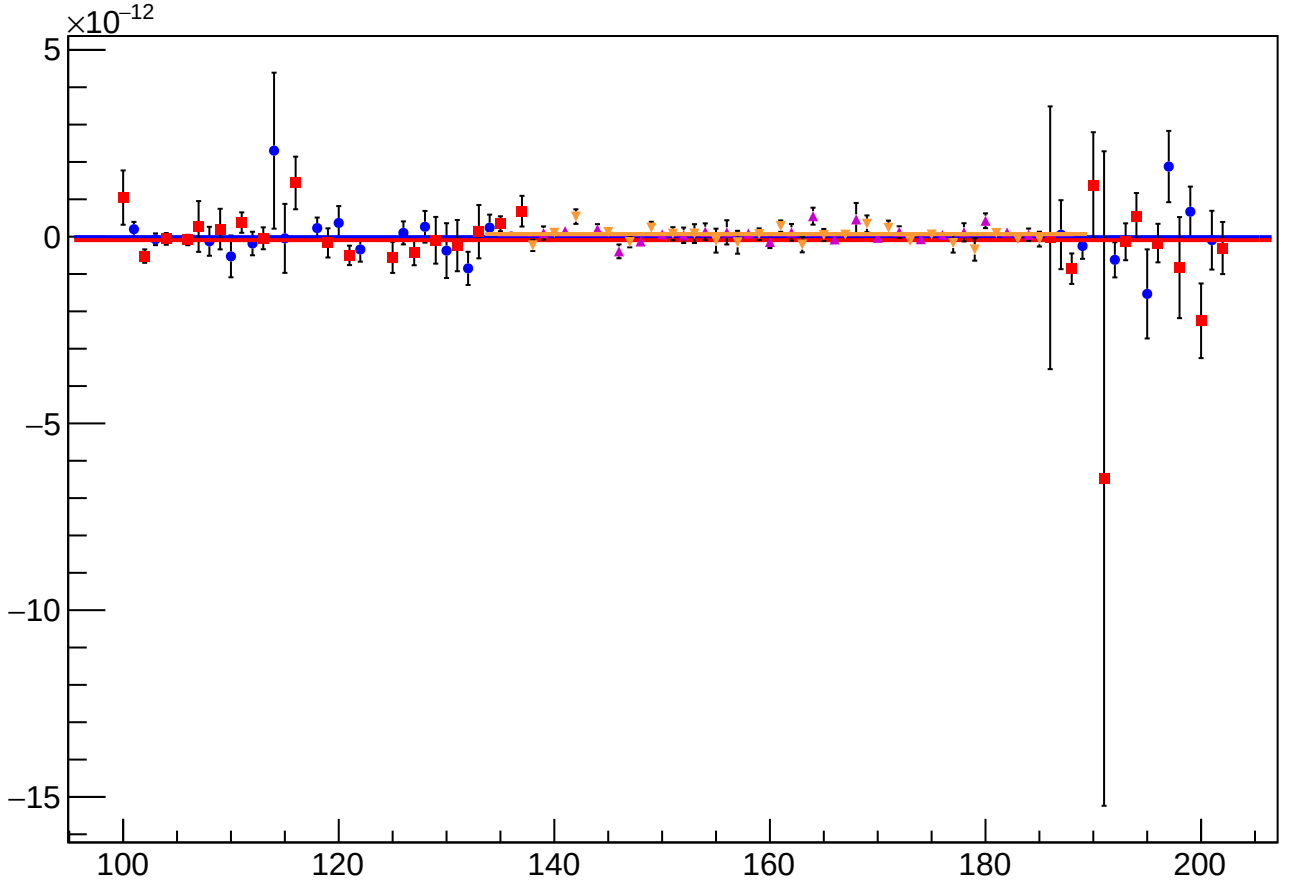
Right Out: 3806.105+/-0.765 χ^2/NDF: 3563871.6/27

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4806.194+/-0.633 χ^2/NDF: 3648767.5/46

All: 4646.702+/-0.432 χ^2/NDF: 10540031.2/9

- sign 4507.463+/-0.592 χ^2/NDF: 6772467.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 40.8/27

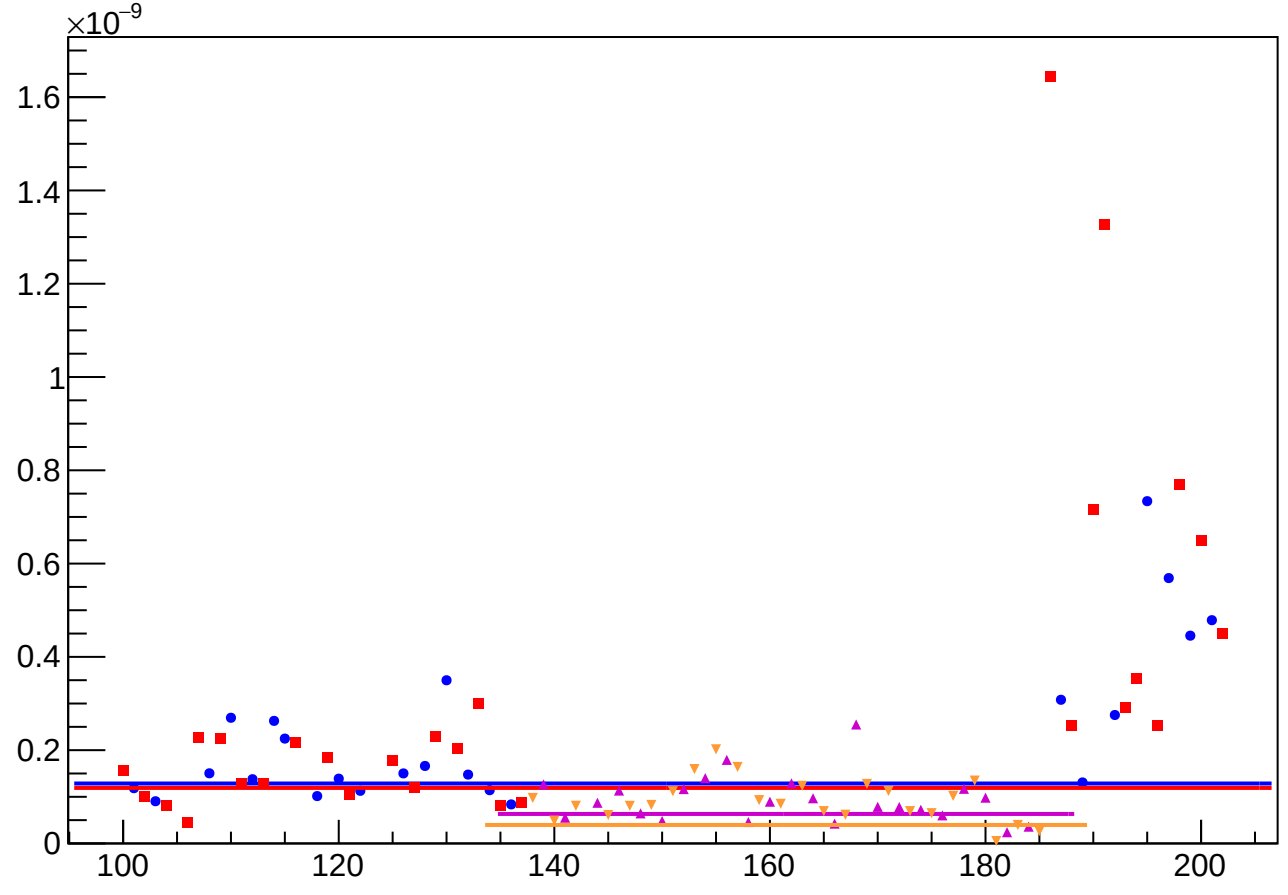
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.5/46

All: 0.000+/-0.000 χ^2/NDF: 121.2/97

- sign 0.000+/-0.000 χ^2/NDF: 70.7/50

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2801223.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4391993.6/27

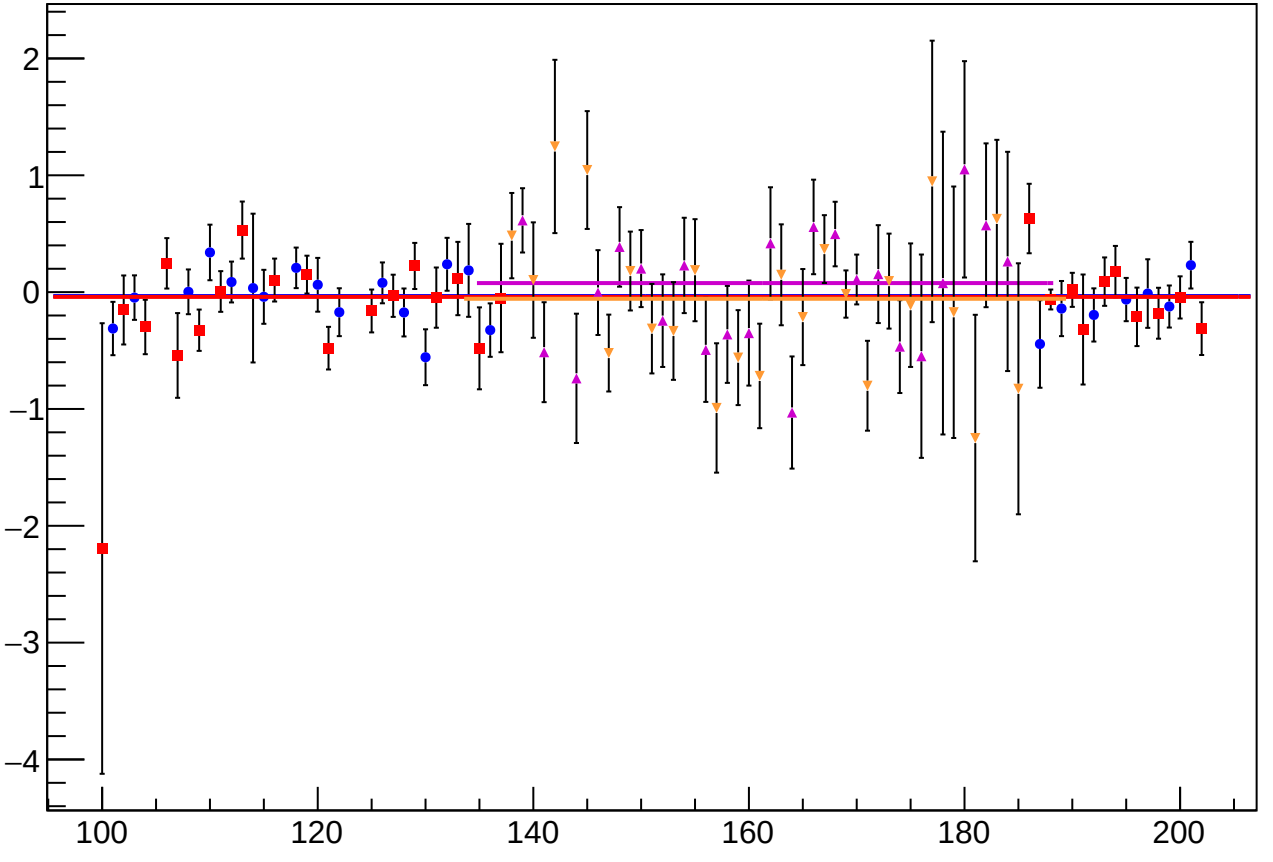
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12913503.2/46

All: 0.000+/-0.000 χ^2/NDF: 22608360.1/97

- sign 0.000+/-0.000 χ^2/NDF: 8627375.2/50

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.034+/-0.046 χ^2/NDF: 20.0/22

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

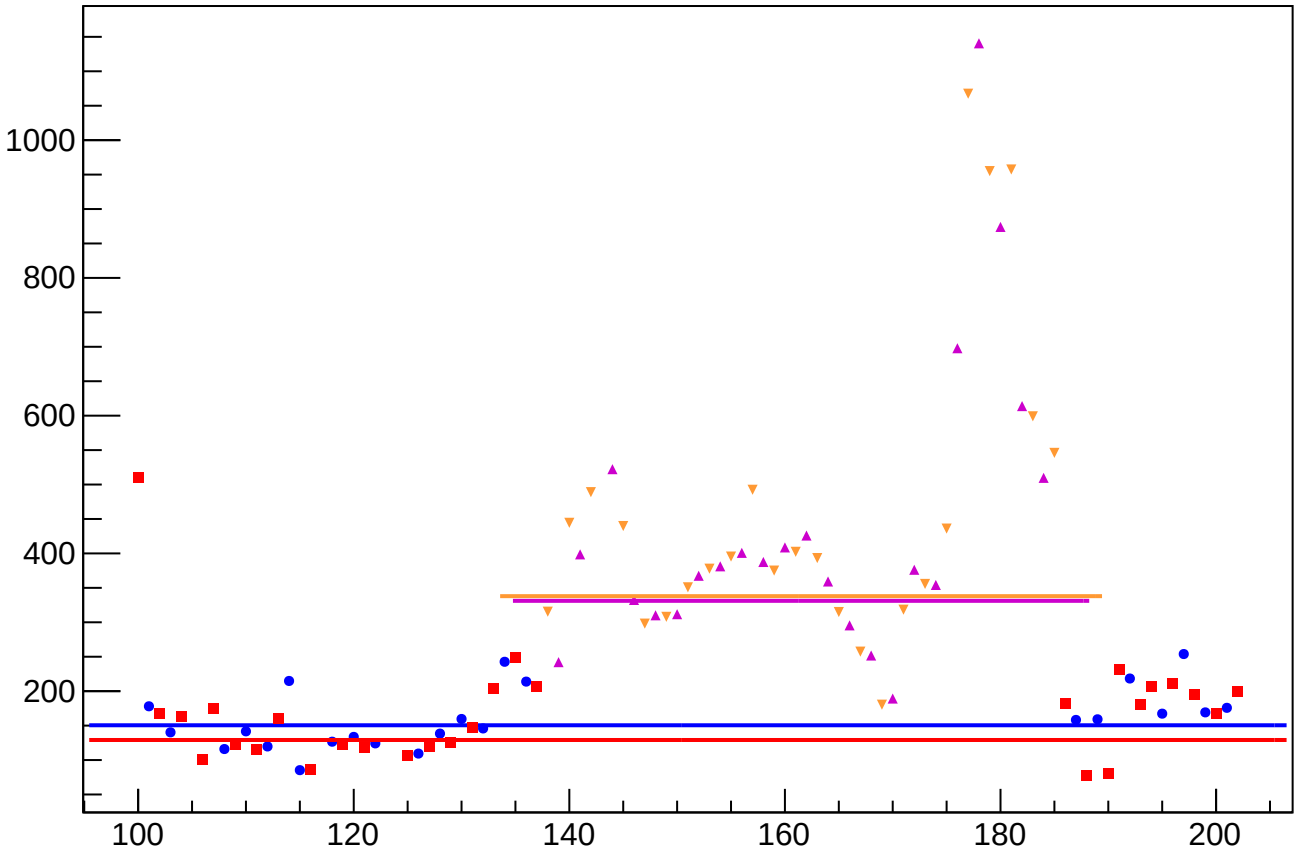
Right Out: -0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.039+/-0.040 χ^2/NDF: 50.5/46

All: -0.028+/-0.026 χ^2/NDF: 115.0/97

- sign -0.021+/-0.035 χ^2/NDF: 64.4/50



Right In: 150.494+/-0.032 χ^2/NDF: 1307992.6/22

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

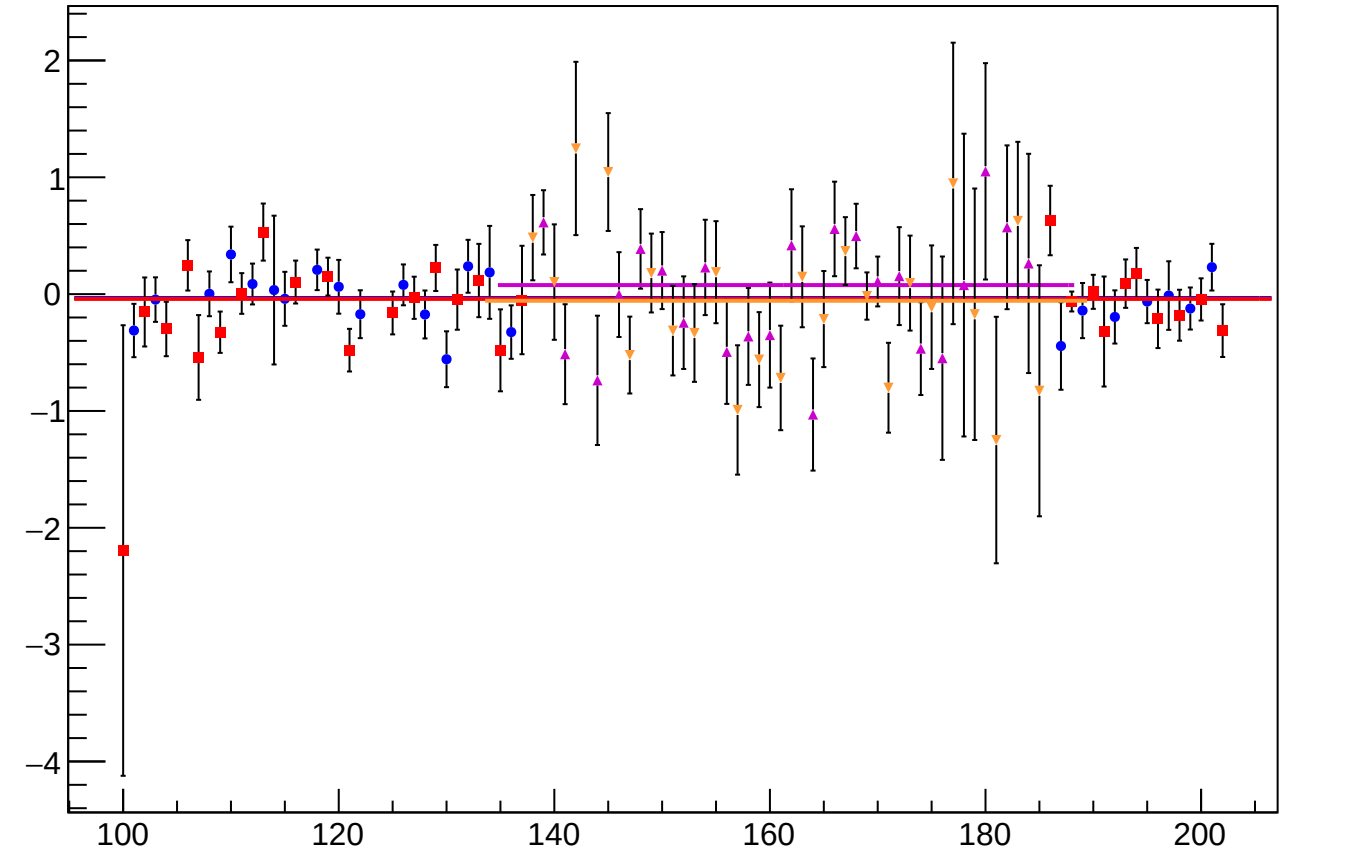
Right Out: 129.111+/-0.027 χ^2/NDF: 3021413.1/27

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.001+/-0.028 χ^2/NDF: 13316068.6/46

All: 175.732+/-0.019 χ^2/NDF: 30736460.2/97

- sign 163.737+/-0.024 χ^2/NDF: 16851745.6/50



Right In: -0.034+/-0.046 χ^2/NDF: 20.0/22

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

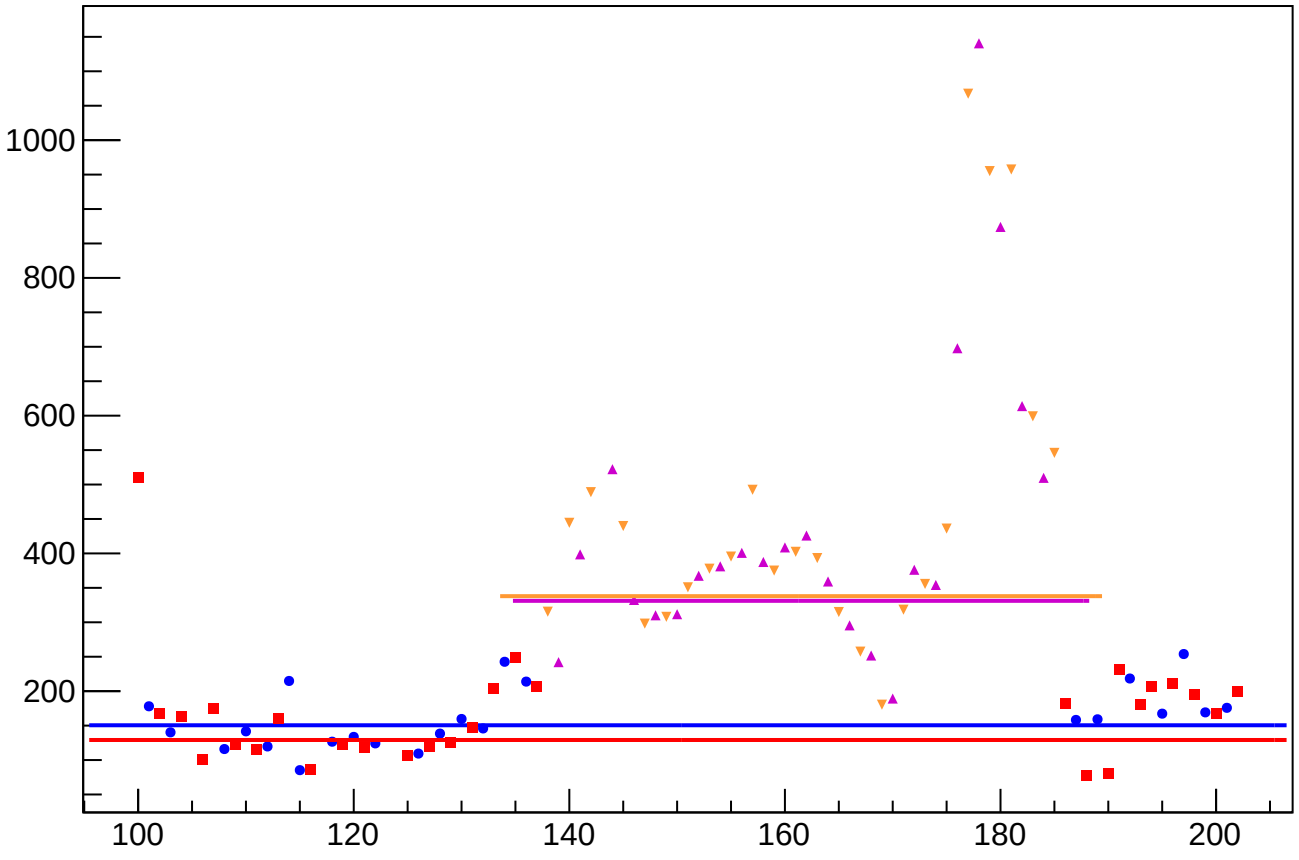
Right Out: -0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.039+/-0.040 χ^2/NDF: 50.5/46

All: -0.028+/-0.026 χ^2/NDF: 115.0/97

- sign -0.021+/-0.035 χ^2/NDF: 64.4/50



Right In: 150.494+/-0.032 χ^2/NDF: 1307992.6/22

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

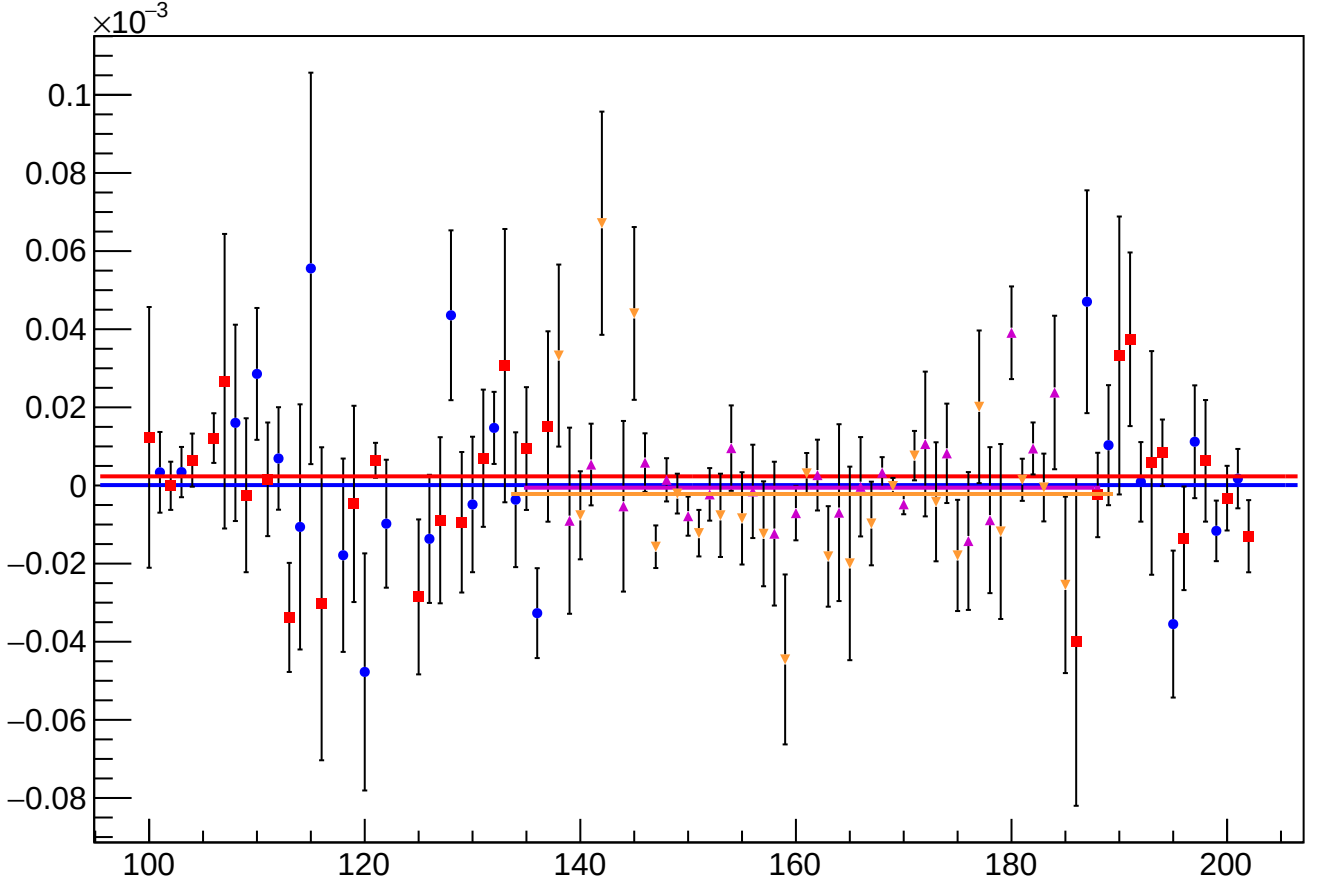
Right Out: 129.111+/-0.027 χ^2/NDF: 3021413.1/27

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.001+/-0.028 χ^2/NDF: 13316068.6/46

All: 175.732+/-0.019 χ^2/NDF: 30736460.2/97

- sign 163.737+/-0.024 χ^2/NDF: 16851745.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

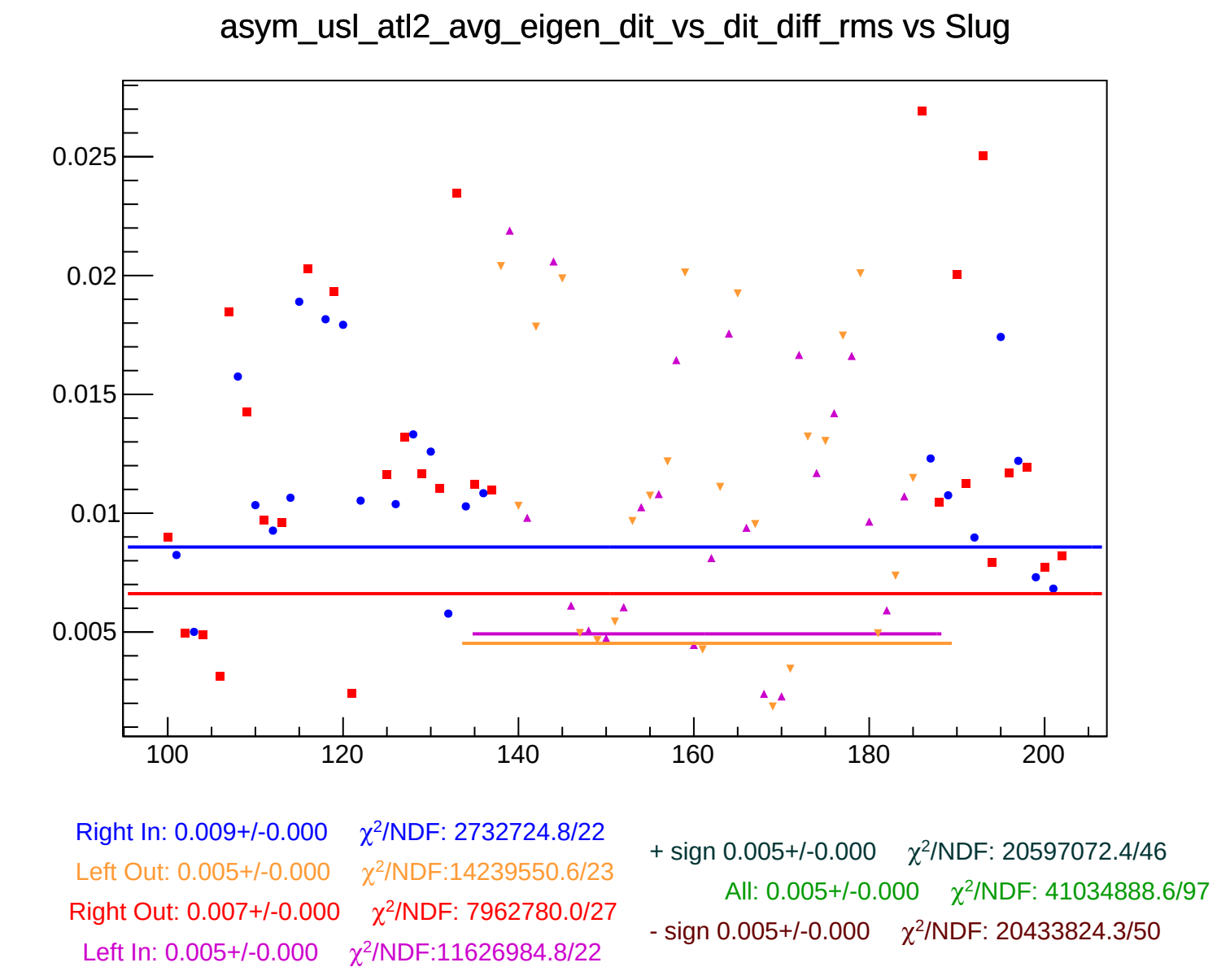
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/27

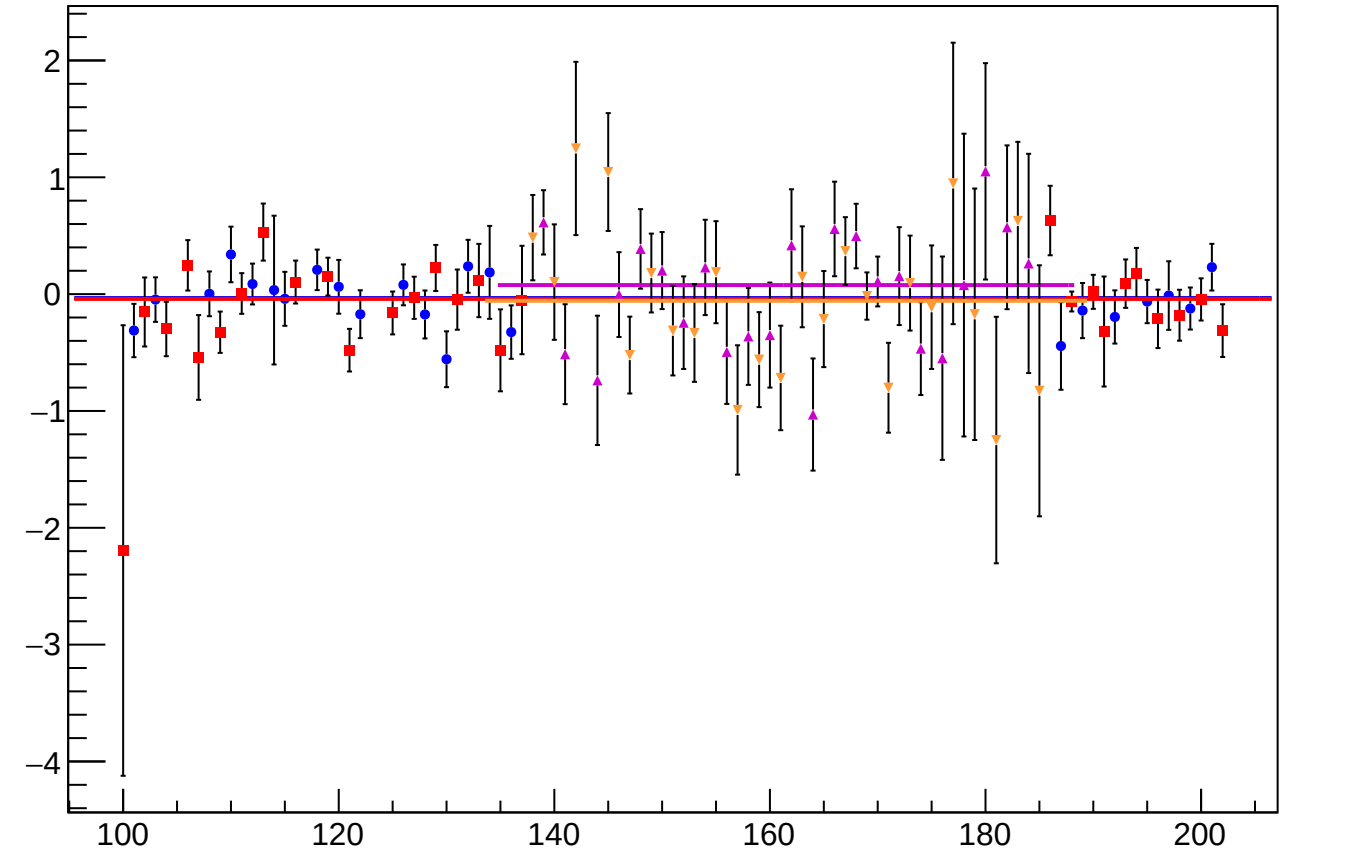
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.2/46

All: -0.000+/-0.000 χ^2/NDF: 126.8/97

- sign 0.000+/-0.000 χ^2/NDF: 53.2/50


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 2732724.8/22
Left Out: 0.005+/-0.000 χ²/NDF:14239550.6/23
Right Out: 0.007+/-0.000 χ²/NDF: 7962780.0/27
Left In: 0.005+/-0.000 χ²/NDF:11626984.8/22
+ sign 0.005+/-0.000 χ²/NDF: 20597072.4/46
All: 0.005+/-0.000 χ²/NDF: 41034888.6/97
- sign 0.005+/-0.000 χ²/NDF: 20433824.3/50



Right In: -0.034+/-0.046 χ^2/NDF: 20.0/22

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

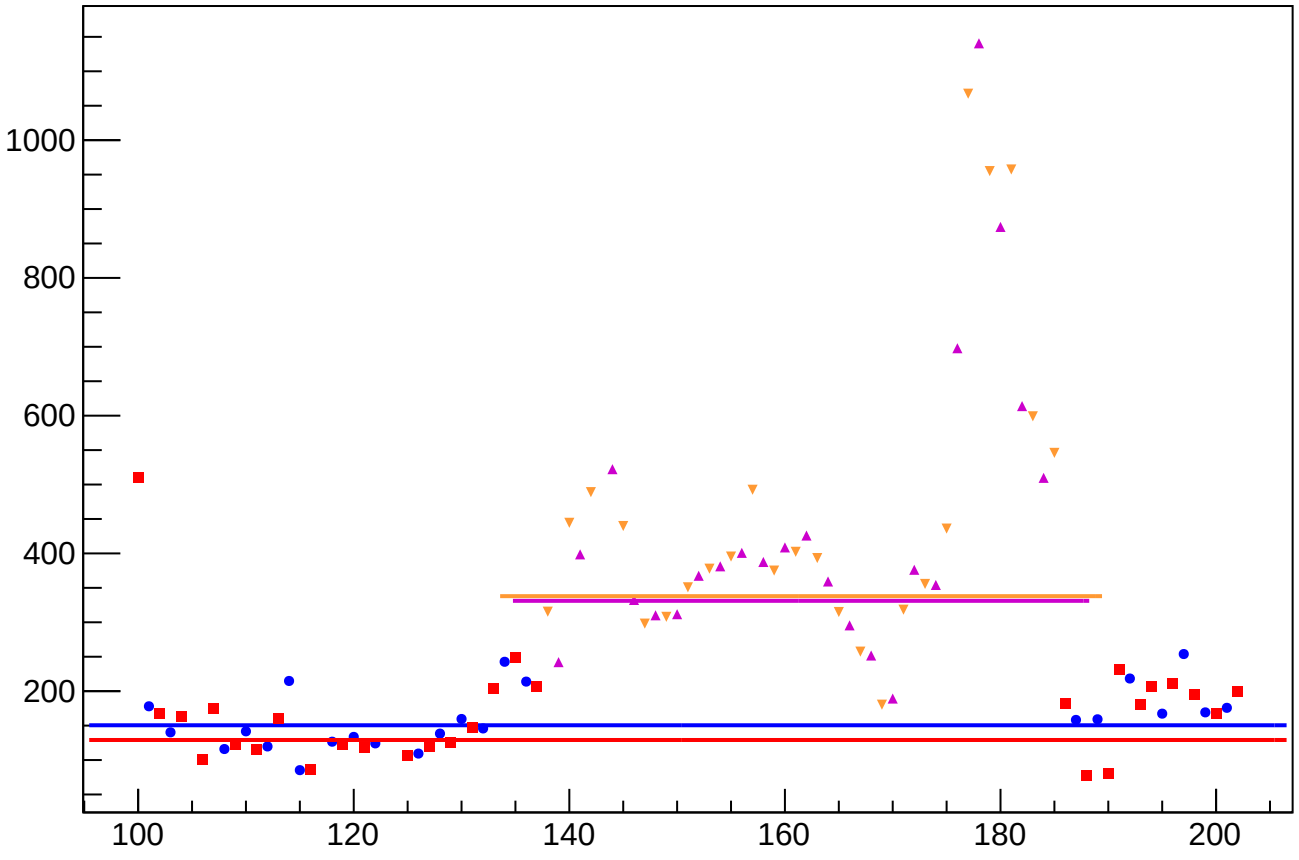
Right Out: -0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.039+/-0.040 χ^2/NDF: 50.5/46

All: -0.028+/-0.026 χ^2/NDF: 115.0/97

- sign -0.021+/-0.035 χ^2/NDF: 64.4/50



Right In: 150.494+/-0.032 χ^2/NDF: 1307961.0/22

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

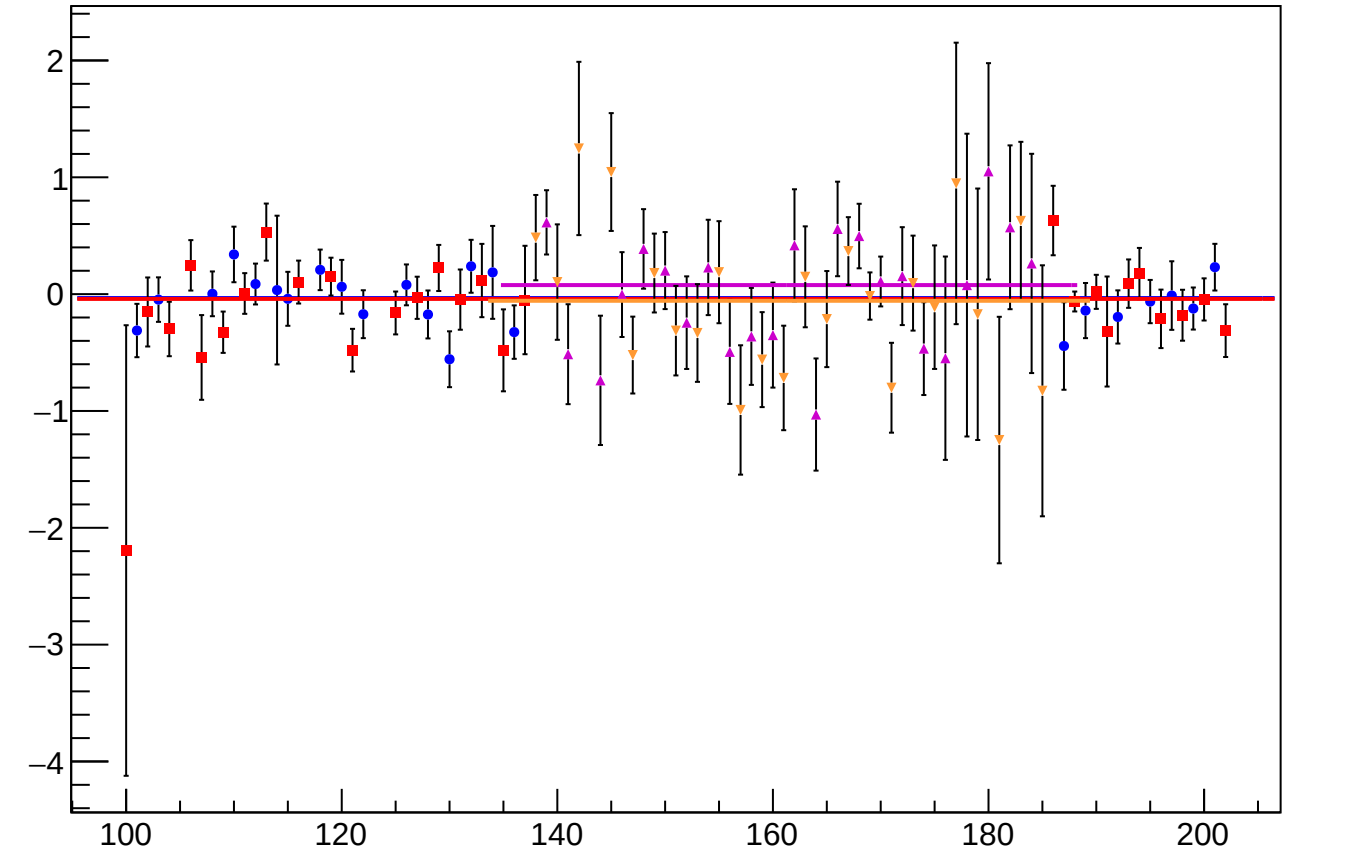
Right Out: 129.109+/-0.027 χ^2/NDF: 3021554.8/27

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.001+/-0.028 χ^2/NDF: 13316176.7/46

All: 175.731+/-0.019 χ^2/NDF: 30737126.9/97

- sign 163.735+/-0.024 χ^2/NDF: 16852220.3/50



Right In: -0.034+/-0.046 χ^2/NDF: 20.0/22

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

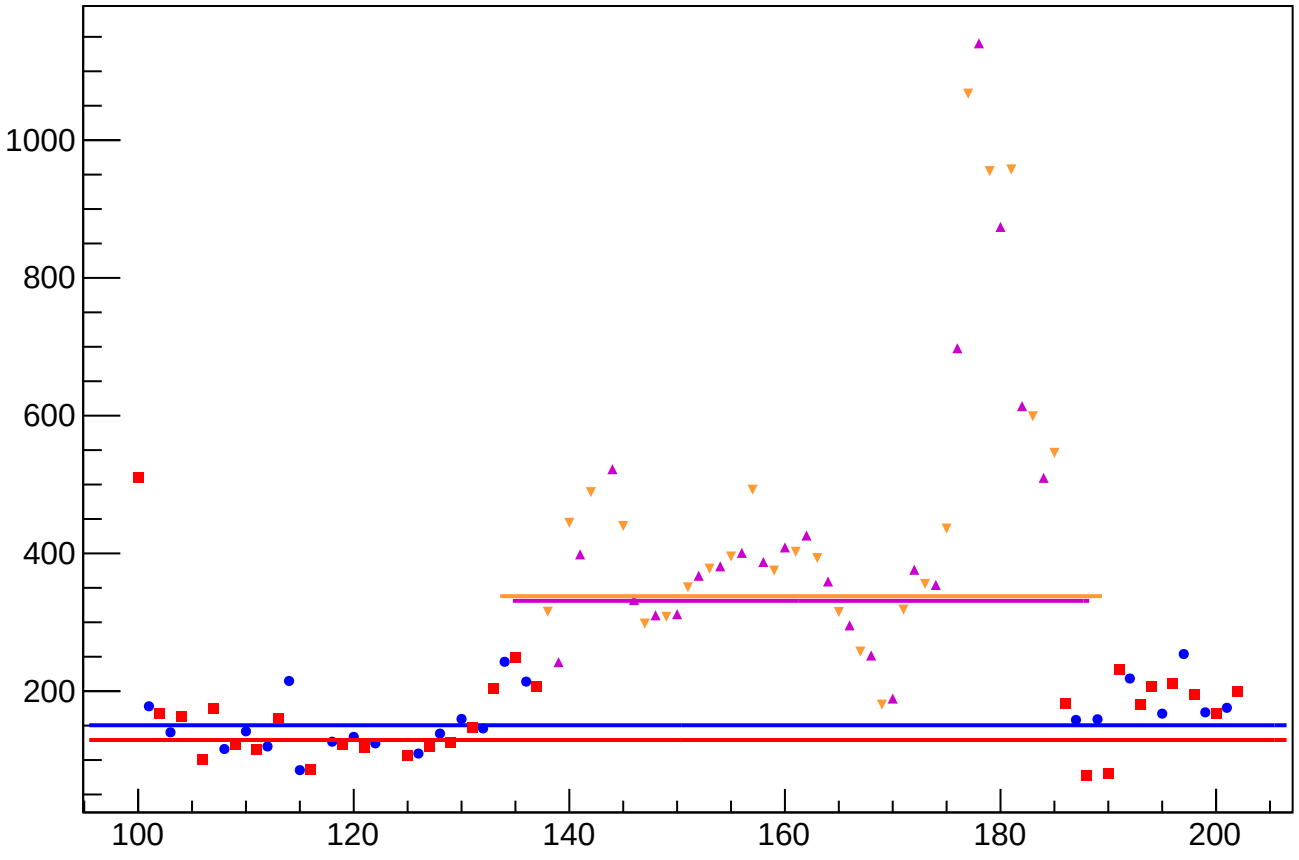
Right Out: -0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.039+/-0.040 χ^2/NDF: 50.5/46

All: -0.028+/-0.026 χ^2/NDF: 115.0/97

- sign -0.021+/-0.035 χ^2/NDF: 64.4/50



Right In: 150.494+/-0.032 χ^2/NDF: 1307961.0/22

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

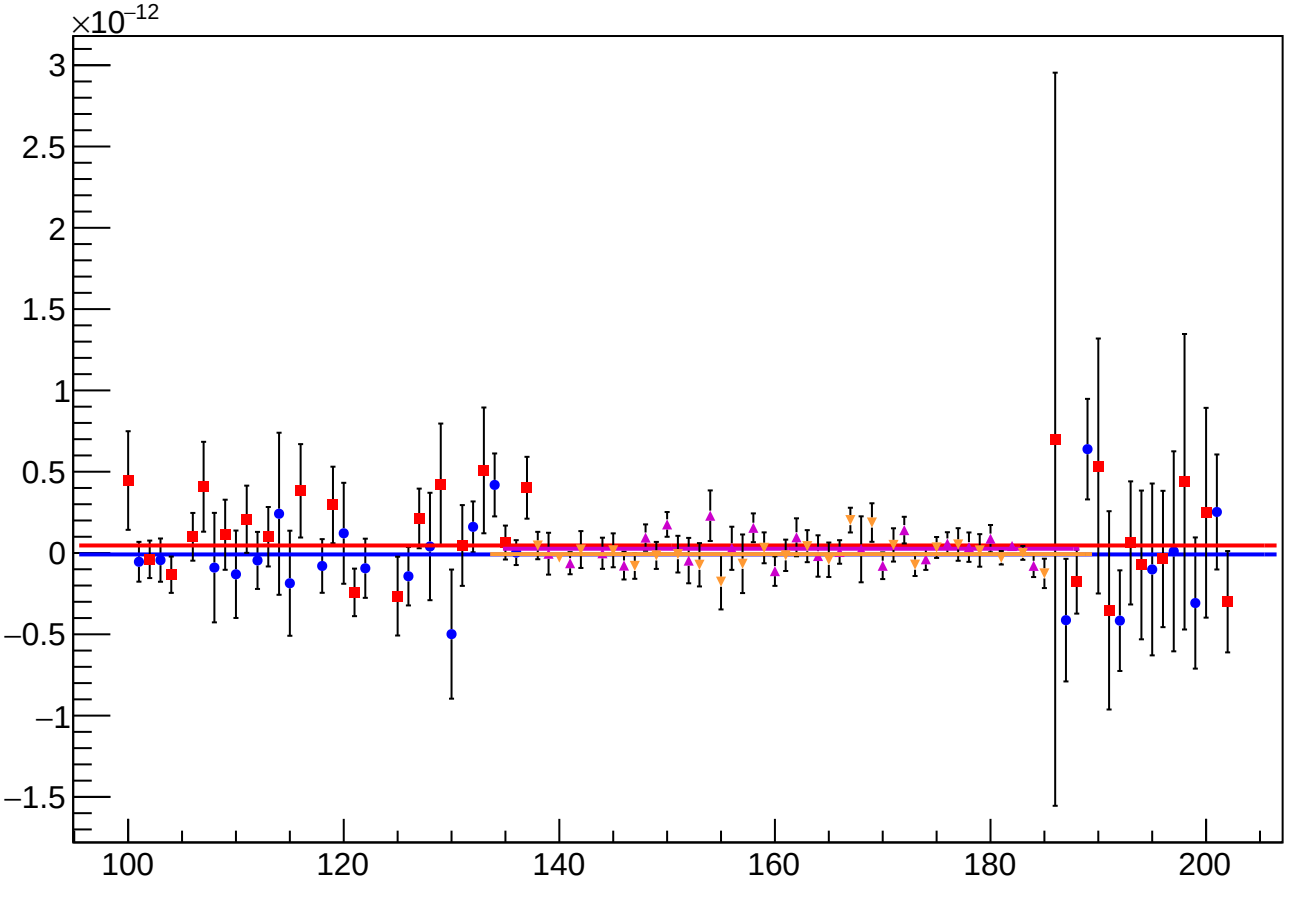
Right Out: 129.109+/-0.027 χ^2/NDF: 3021554.8/27

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.001+/-0.028 χ^2/NDF: 13316176.7/46

All: 175.731+/-0.019 χ^2/NDF: 30737126.9/97

- sign 163.735+/-0.024 χ^2/NDF: 16852220.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

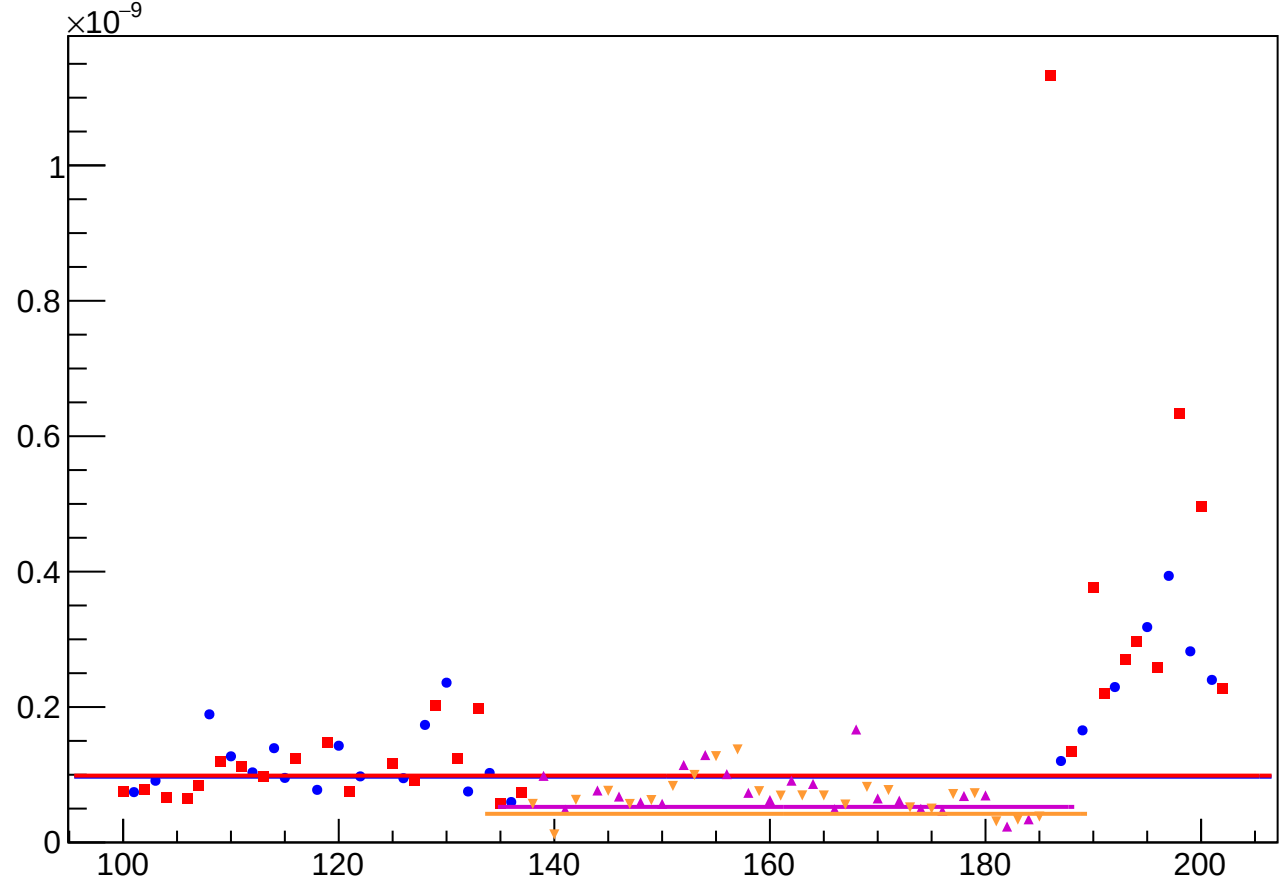
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/27

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.3/46

All: 0.000+/-0.000 χ^2/NDF: 88.7/97

- sign 0.000+/-0.000 χ^2/NDF: 49.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 3241966.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4876643.4/27

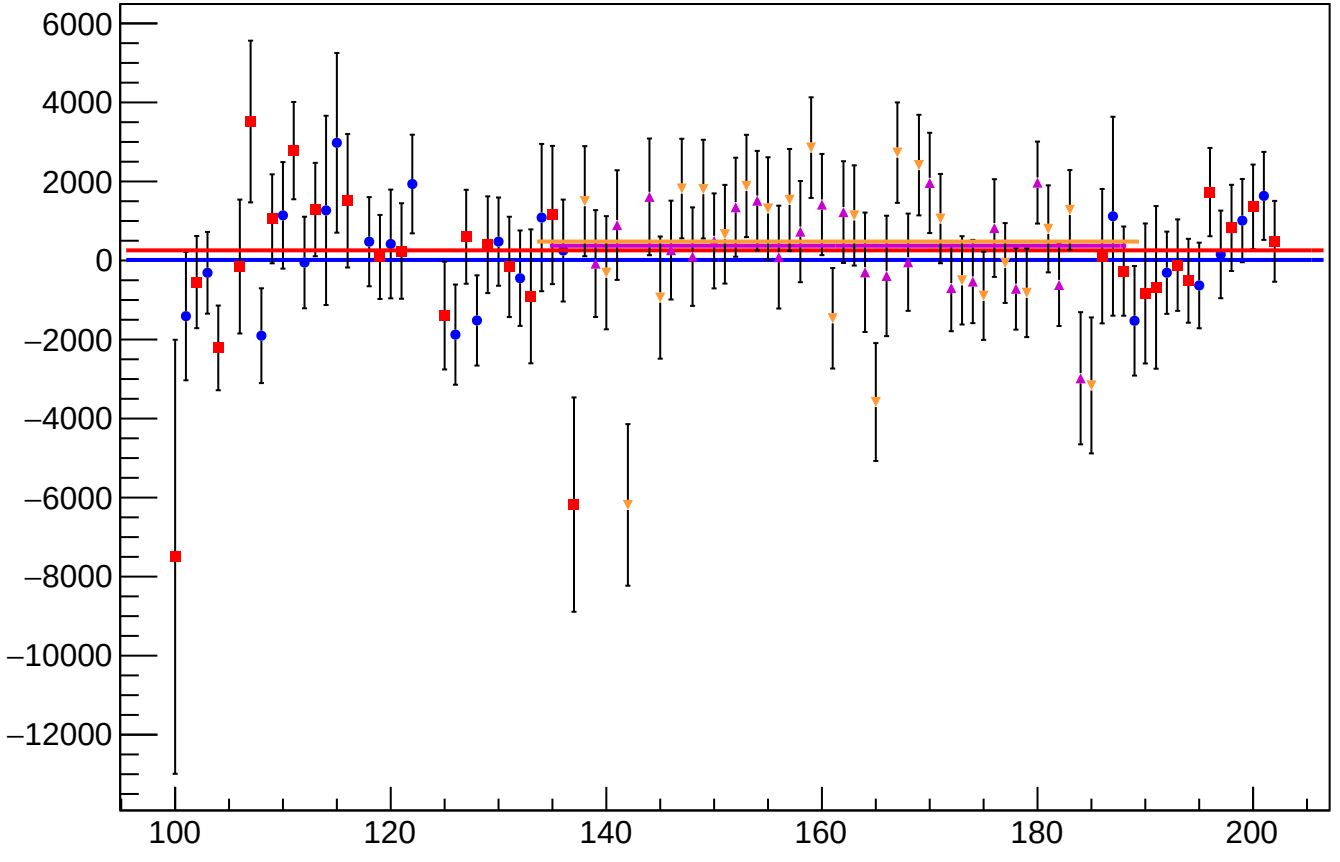
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13145593.6/46

All: 0.000+/-0.000 χ^2/NDF: 25817593.2/97

- sign 0.000+/-0.000 χ^2/NDF: 12102253.3/50

reg_asym_usl_atl2_dd_mean vs Slug



Right In: 13.922+/-263.765 χ^2/NDF: 18.3/22

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 256.852+/-246.577 χ^2/NDF: 29.0/27

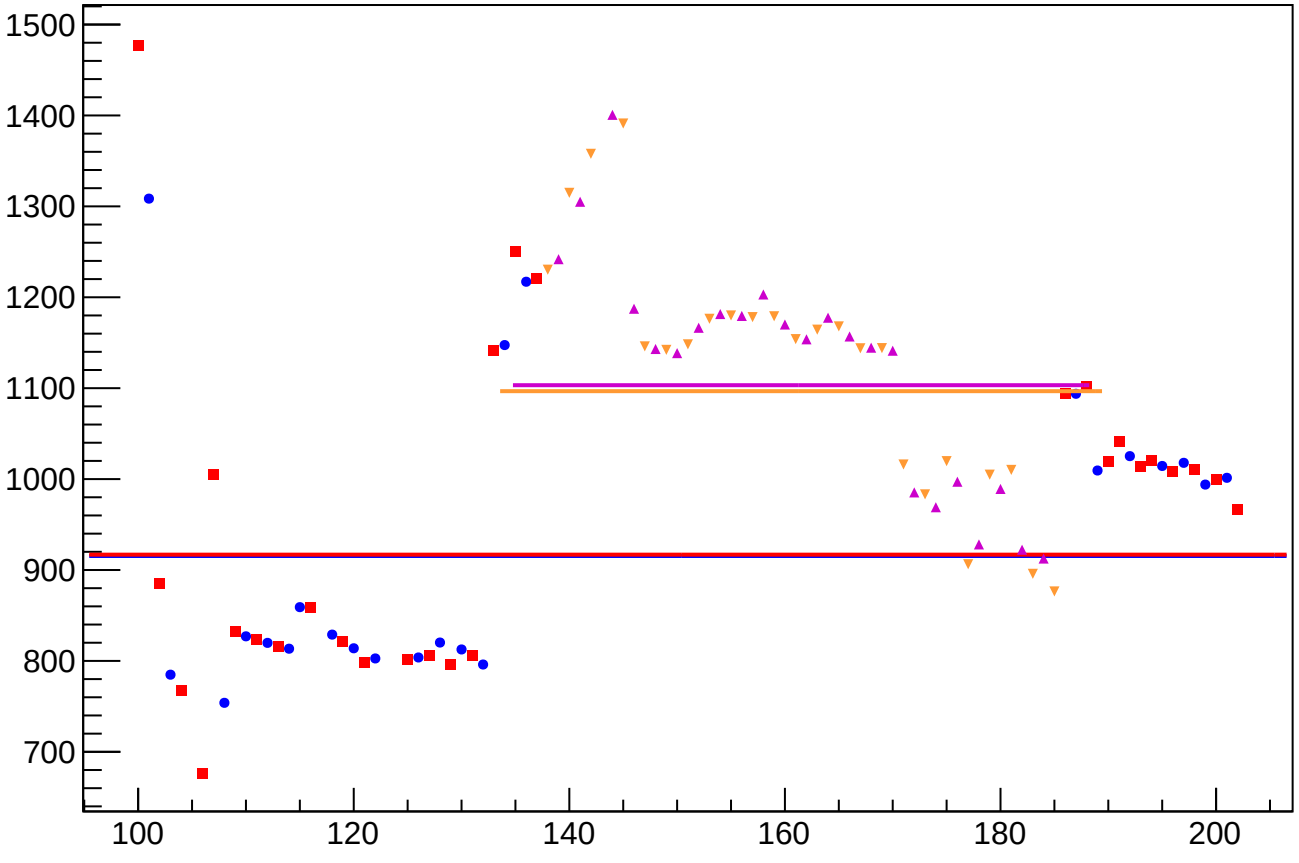
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

\+ sign 253.394+/-183.825 χ^2/NDF: 65.1/46

All: 283.511+/-128.130 χ^2/NDF: 110.3/97

\- sign 311.968+/-178.689 χ^2/NDF: 45.2/50

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 915.437+/-0.187 χ^2/NDF: 556255.6/22

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 916.880+/-0.173 χ^2/NDF: 576048.7/27

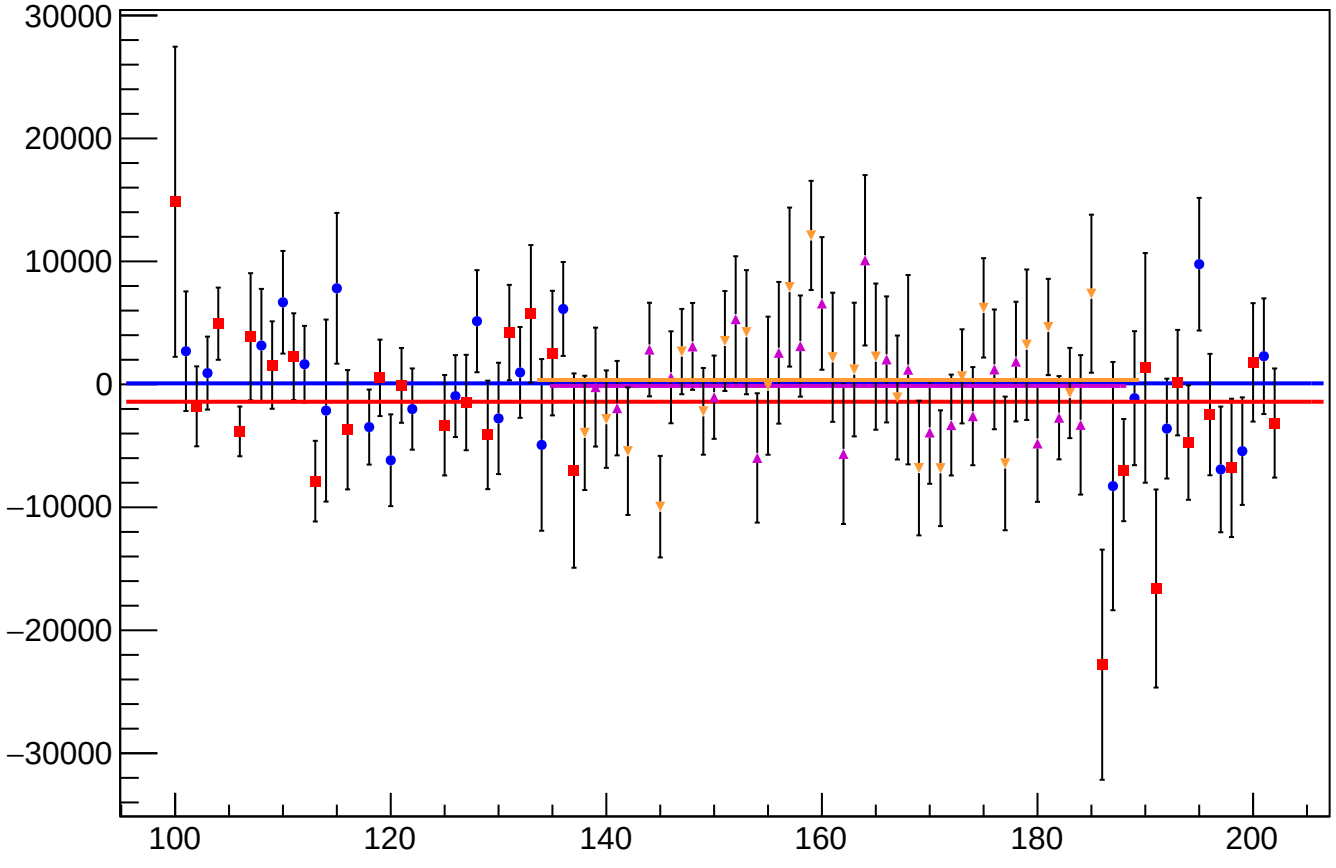
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1008.665+/-0.130 χ^2/NDF: 1522574.6/46

All: 1006.623+/-0.090 χ^2/NDF: 3093128.6/97

- sign 1004.708+/-0.126 χ^2/NDF: 1570075.6/50

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 82.624+/-872.789 χ^2/NDF: 23.3/22

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1413.769+/-767.017 χ^2/NDF: 33.6/27

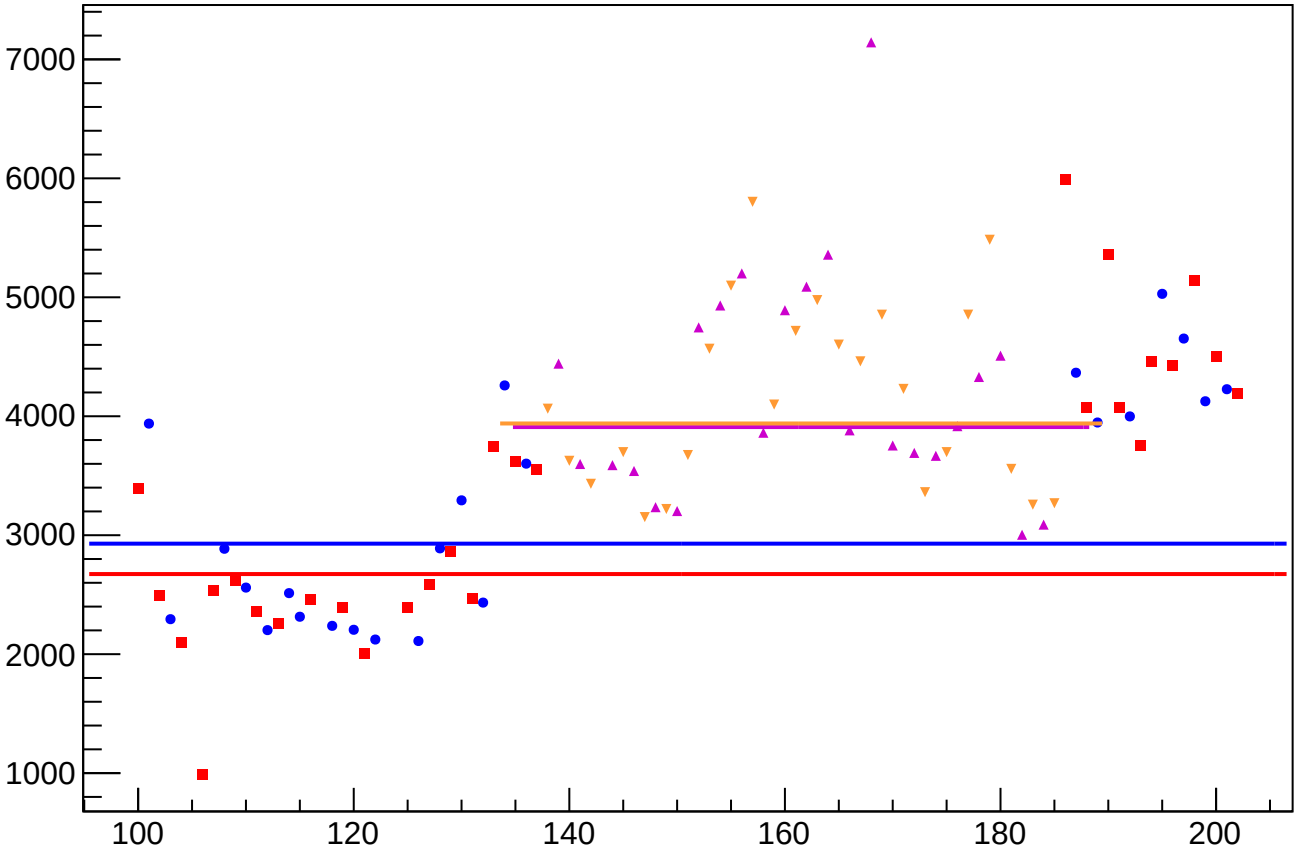
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 210.835+/-637.767 χ^2/NDF: 53.6/46

All: -382.519+/-434.047 χ^2/NDF: 103.7/97

- sign -894.475+/-592.409 χ^2/NDF: 48.5/50

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2929.024+/-0.617 χ^2/NDF: 2012123.6/22

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2673.484+/-0.542 χ^2/NDF: 4116794.7/27

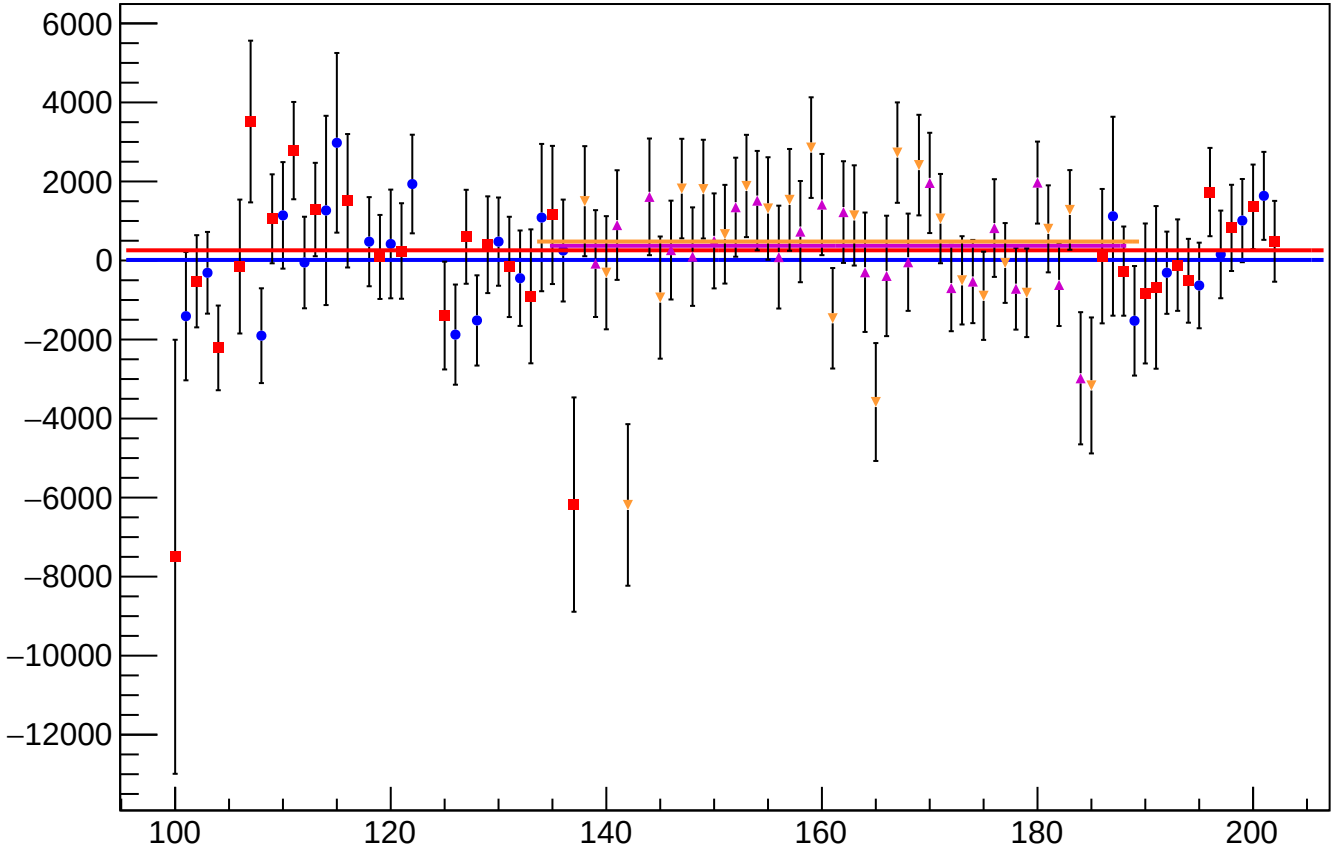
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3399.839+/-0.451 χ^2/NDF: 4353564.5/46

All: 3277.546+/-0.307 χ^2/NDF: 12002327.9/9

- sign 3172.030+/-0.419 χ^2/NDF: 7511778.2/50

cor_asym_usl_atl2_dd_mean vs Slug



Right In: 13.911+/-263.765 χ^2/NDF: 18.3/22

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 257.817+/-246.579 χ^2/NDF: 29.0/27

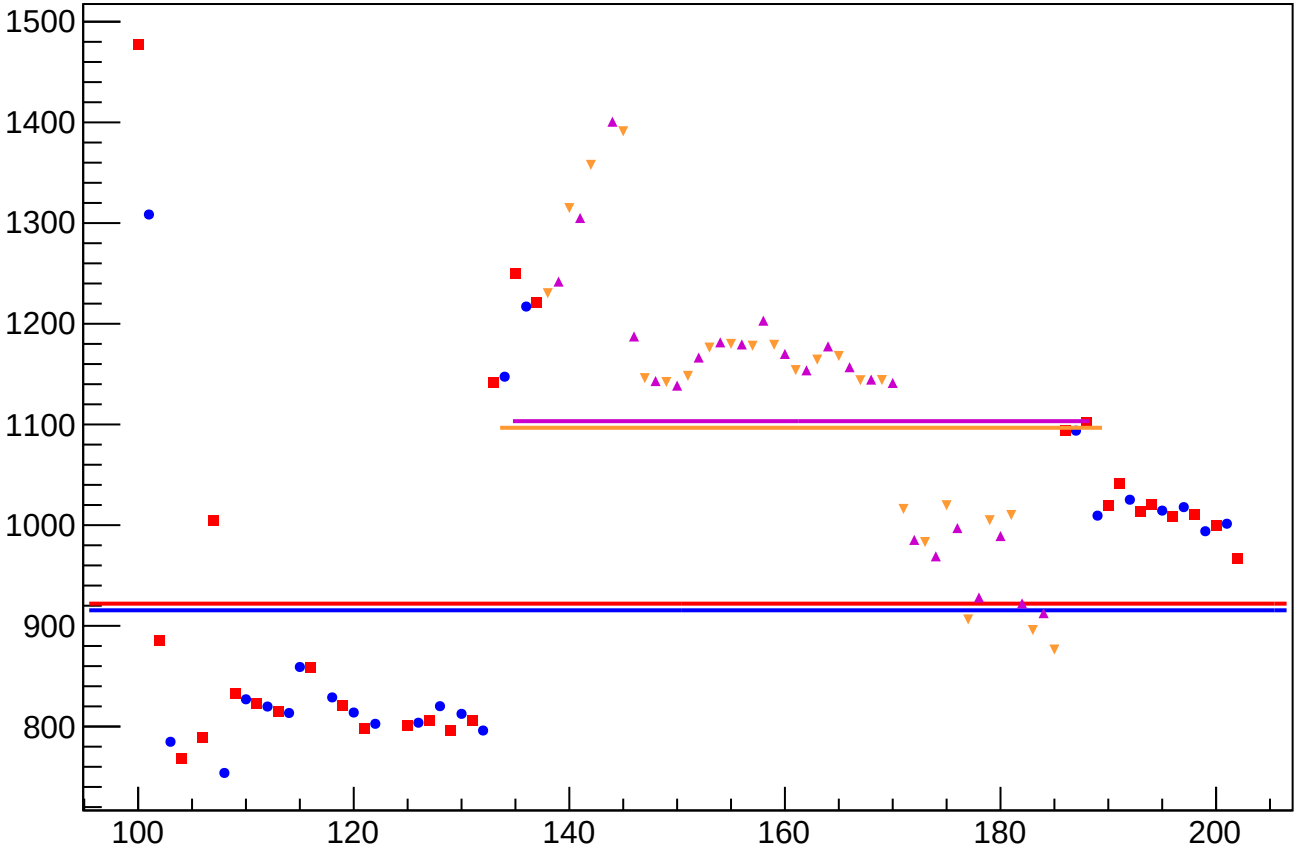
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

\+ sign 253.403+/-183.825 χ^2/NDF: 65.1/46

All: 283.770+/-128.130 χ^2/NDF: 110.3/97

\- sign 312.464+/-178.690 χ^2/NDF: 45.1/50

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 915.437+/-0.187 χ^2/NDF: 556255.5/22

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 922.042+/-0.174 χ^2/NDF: 521003.3/27

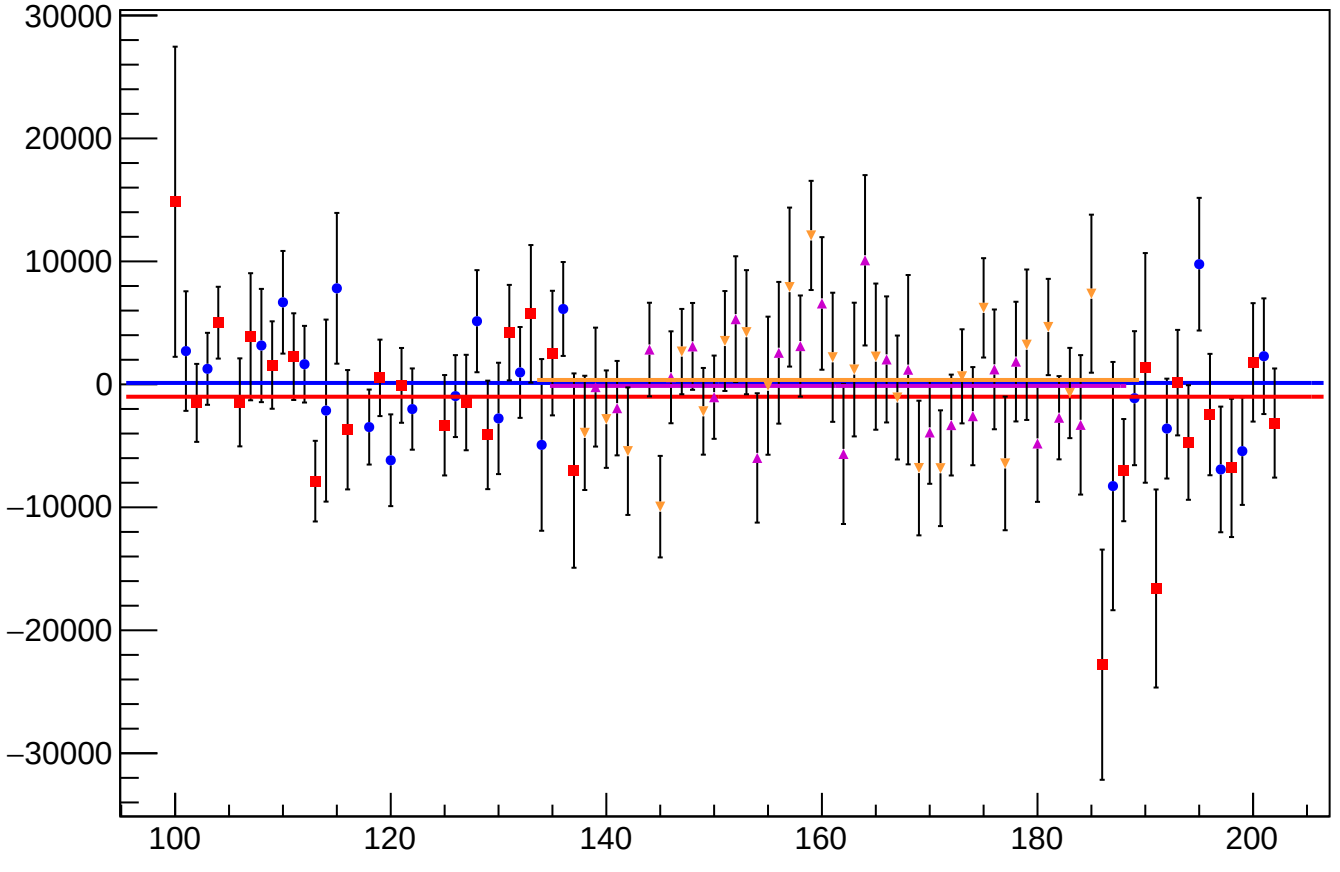
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.665+/-0.130 χ^2/NDF: 1522574.7/46

All: 1008.233+/-0.091 χ^2/NDF: 3005685.6/97

- sign 1007.826+/-0.126 χ^2/NDF: 1483089.4/50

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 115.730+/-871.780 χ^2/NDF: 23.4/22

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -1004.856+/-806.022 χ^2/NDF: 32.0/27

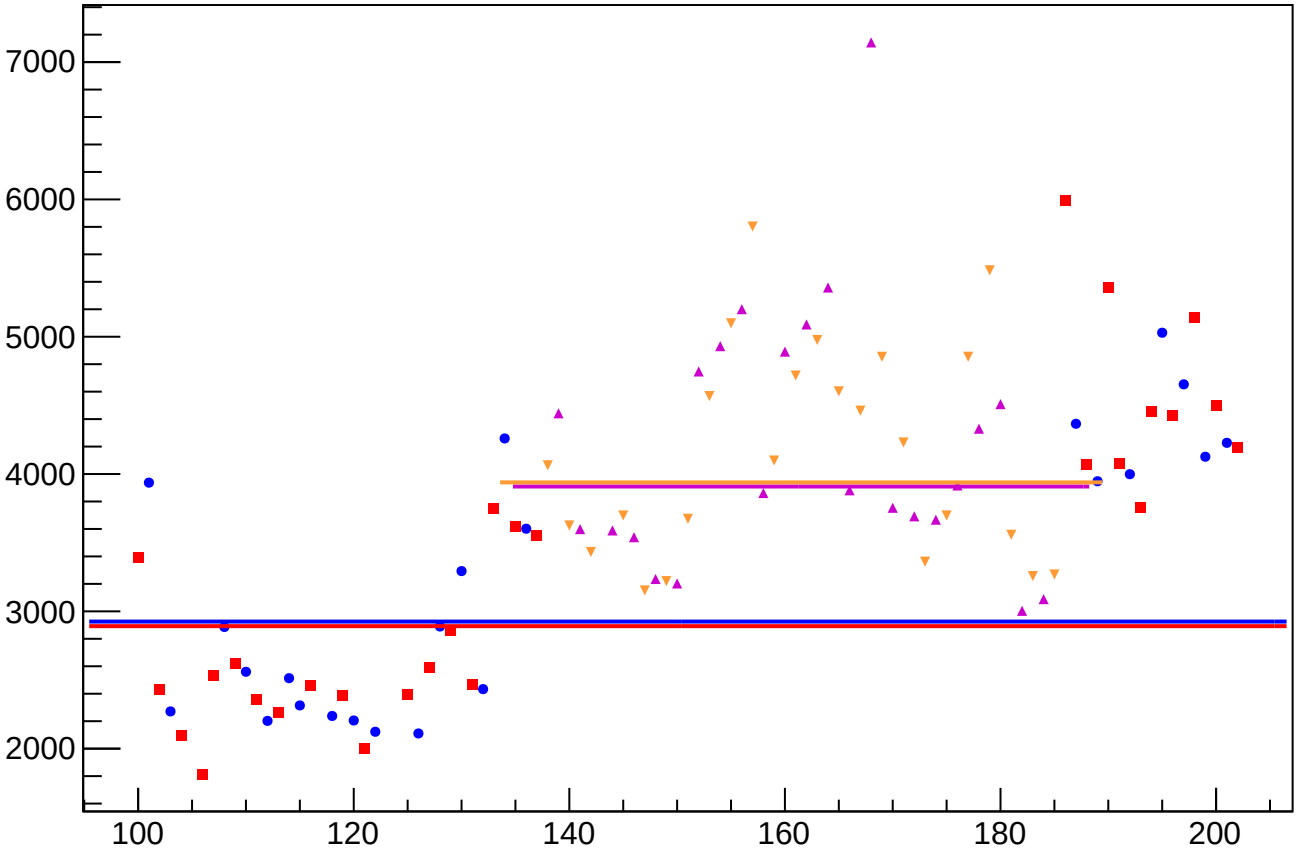
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 228.372+/-637.374 χ^2/NDF: 53.7/46

All: -219.426+/-440.633 χ^2/NDF: 101.0/97

- sign -629.367+/-609.836 χ^2/NDF: 46.3/50

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2925.501+/-0.616 χ^2/NDF: 2021379.7/22

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

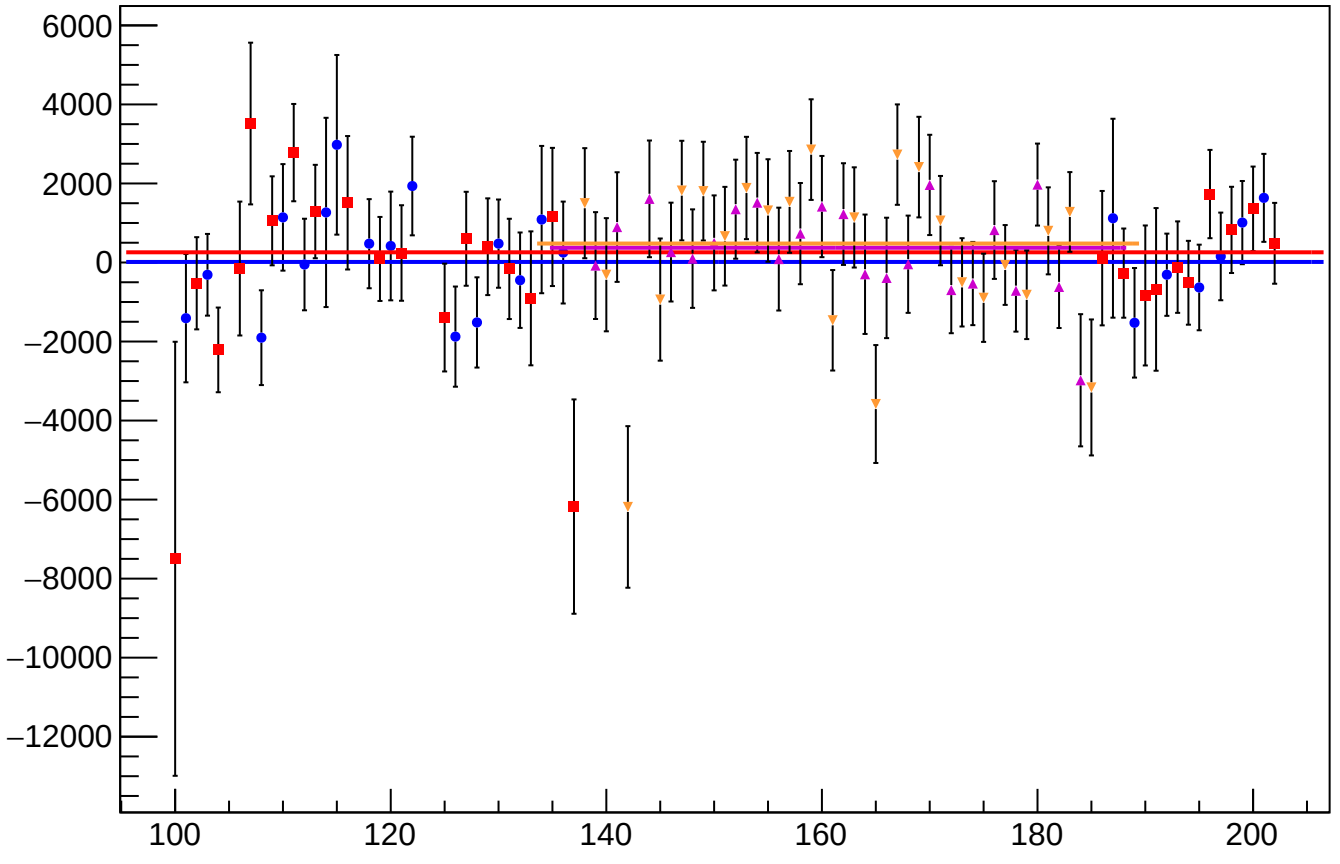
Right Out: 2892.195+/-0.570 χ^2/NDF: 2702840.8/27

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3397.375+/-0.451 χ^2/NDF: 4372903.4/46

All: 3360.630+/-0.312 χ^2/NDF: 9750435.2/97

- sign 3326.992+/-0.431 χ^2/NDF: 5364799.5/50



Right In: 13.911+/-263.765 χ^2/NDF: 18.3/22

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 257.817+/-246.579 χ^2/NDF: 29.0/27

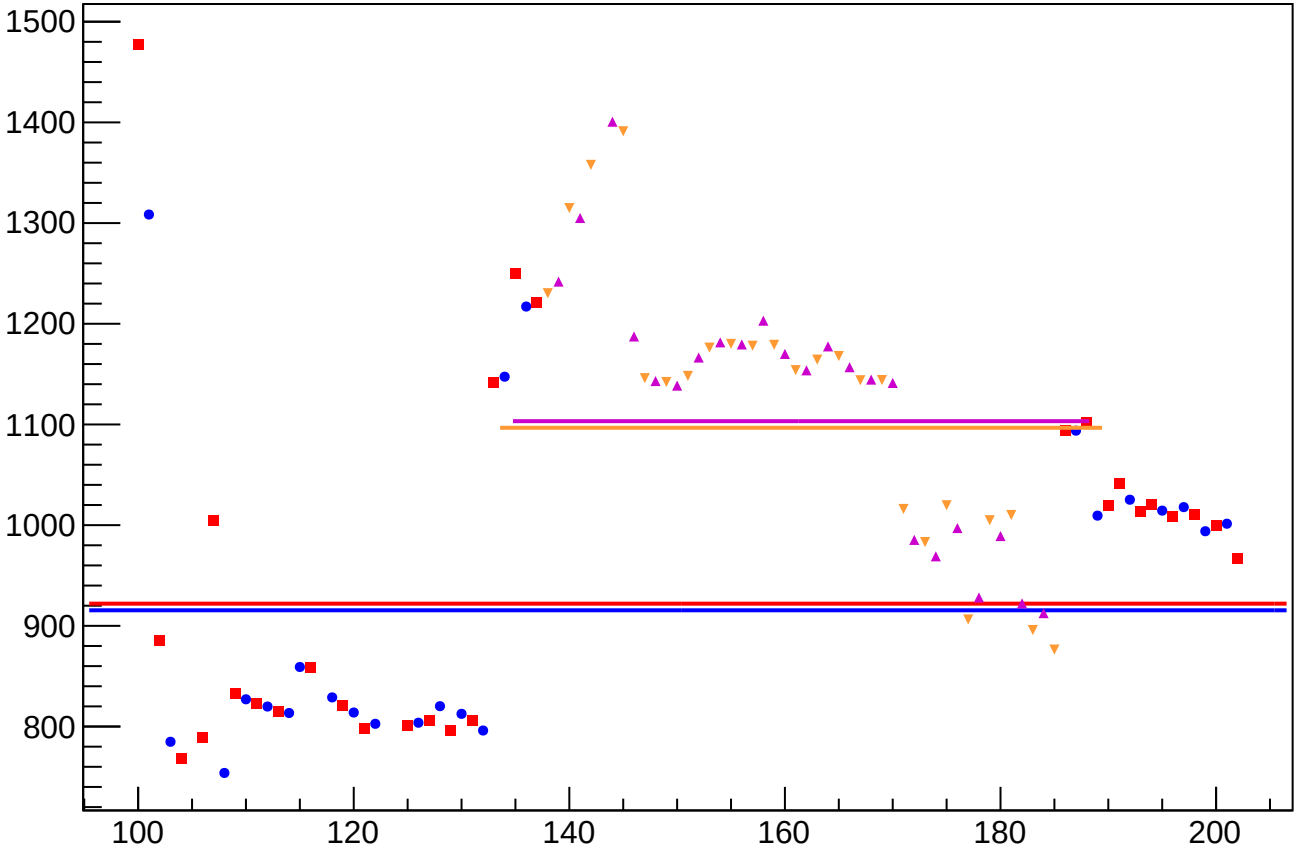
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

\+ sign 253.403+/-183.825 χ^2/NDF: 65.1/46

All: 283.770+/-128.130 χ^2/NDF: 110.3/97

\- sign 312.464+/-178.690 χ^2/NDF: 45.1/50

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 915.437+/-0.187 χ^2/NDF: 556255.5/22

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

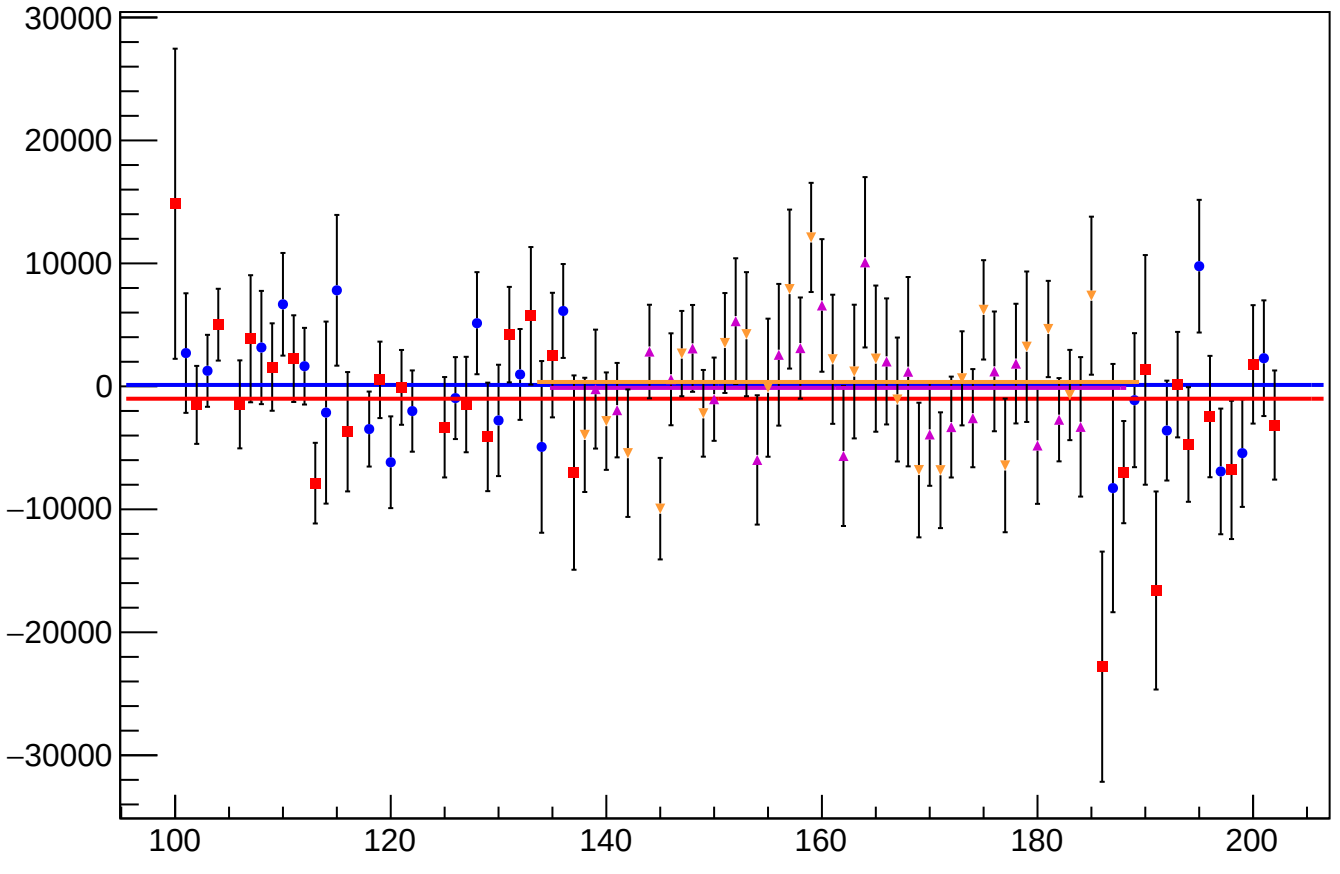
Right Out: 922.042+/-0.174 χ^2/NDF: 521003.3/27

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.665+/-0.130 χ^2/NDF: 1522574.7/46

All: 1008.233+/-0.091 χ^2/NDF: 3005685.6/97

- sign 1007.826+/-0.126 χ^2/NDF: 1483089.4/50



Right In: 115.730+/-871.780 χ^2/NDF: 23.4/22

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

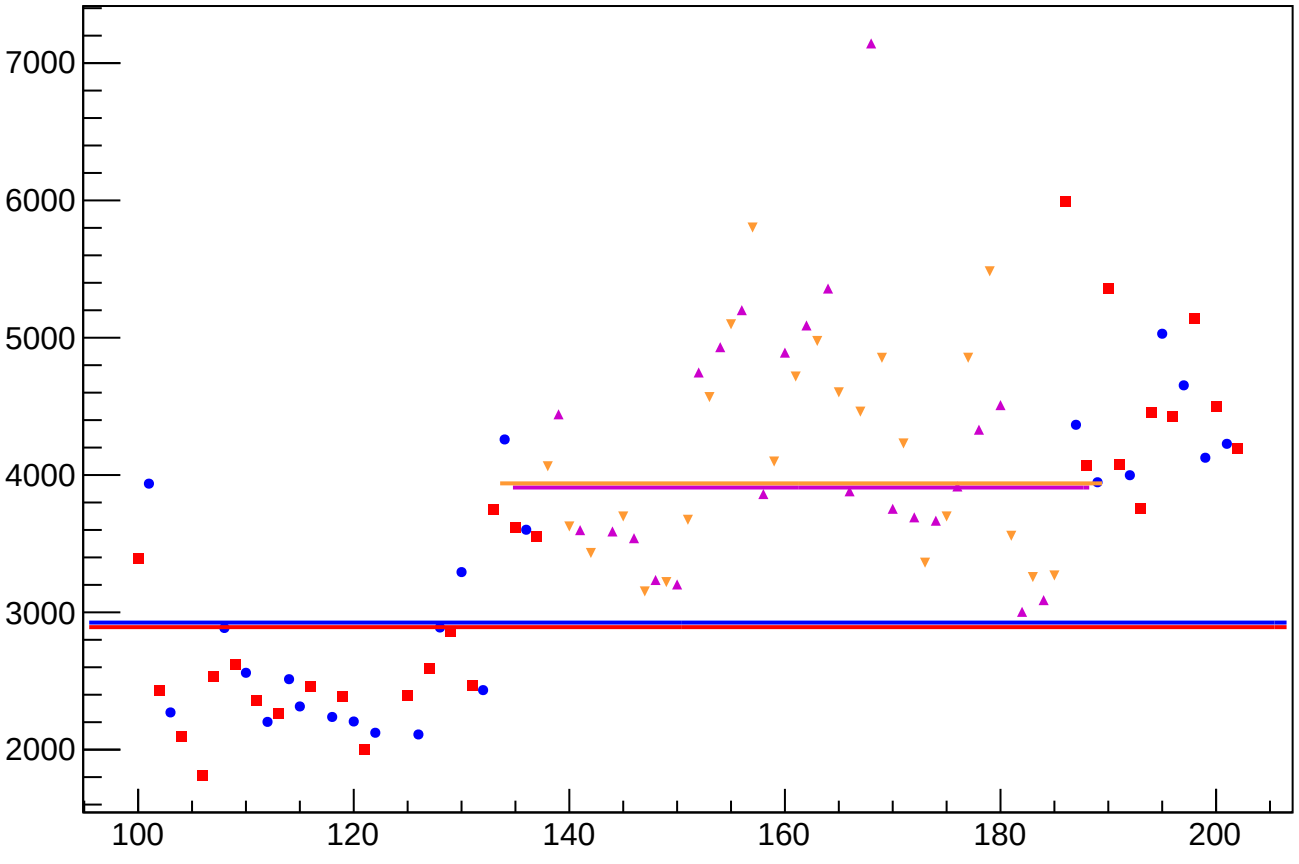
Right Out: -1004.856+/-806.022 χ^2/NDF: 32.0/27

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 228.372+/-637.374 χ^2/NDF: 53.7/46

All: -219.426+/-440.633 χ^2/NDF: 101.0/97

- sign -629.367+/-609.836 χ^2/NDF: 46.3/50



Right In: 2925.501+/-0.616 χ^2/NDF: 2021379.7/22

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2892.195+/-0.570 χ^2/NDF: 2702840.8/27

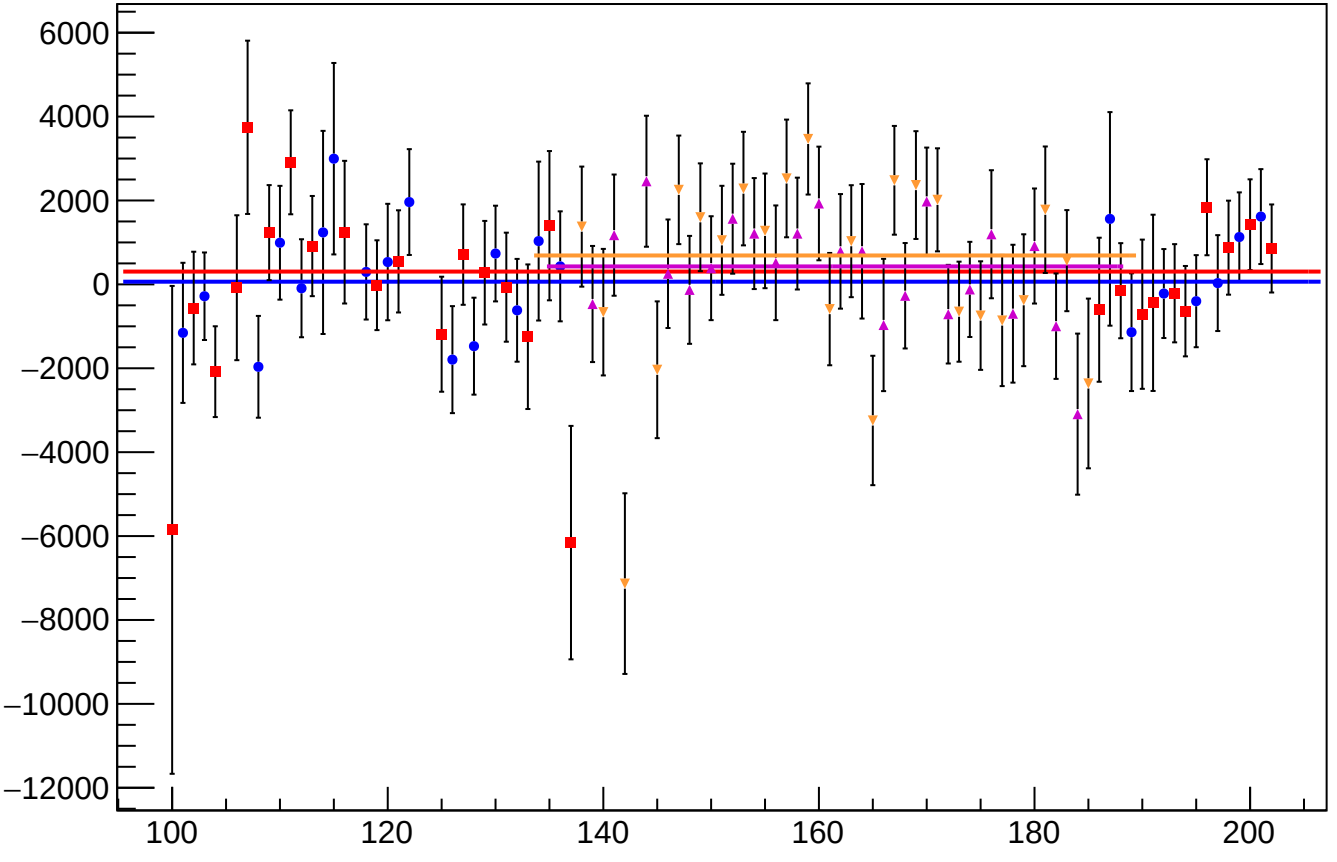
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3397.375+/-0.451 χ^2/NDF: 4372903.4/46

All: 3360.630+/-0.312 χ^2/NDF: 9750435.2/97

- sign 3326.992+/-0.431 χ^2/NDF: 5364799.5/50

dit_asym_usl_atl2_dd_mean vs Slug



Right In: 63.891+/-267.364 χ^2/NDF: 17.3/22

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 305.260+/-251.057 χ^2/NDF: 28.2/27

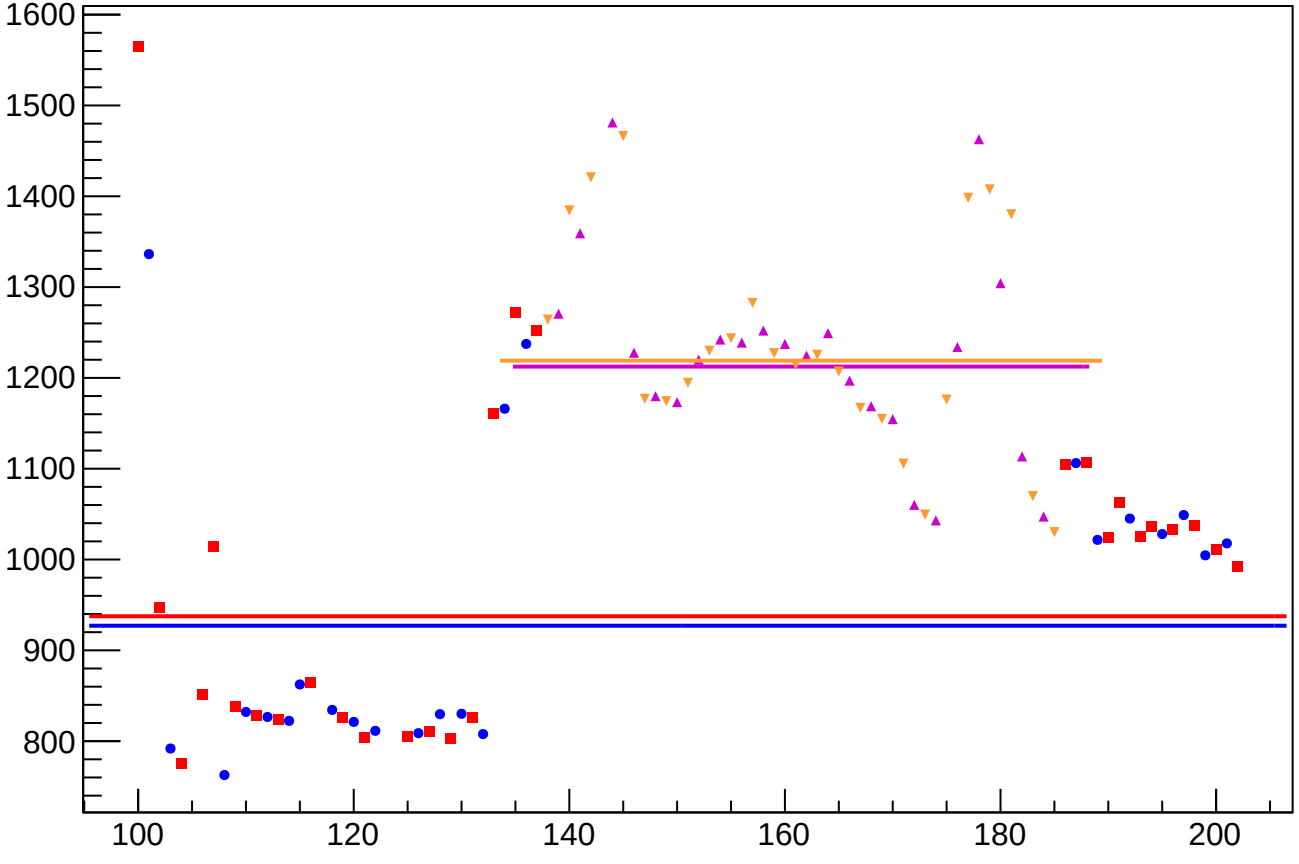
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 357.217+/-194.795 χ^2/NDF: 65.6/46

All: 358.162+/-135.352 χ^2/NDF: 108.6/97

- sign 359.043+/-188.209 χ^2/NDF: 42.9/50

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 927.114+/-0.189 χ^2/NDF: 577744.2/22

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 937.522+/-0.177 χ^2/NDF: 531753.8/27

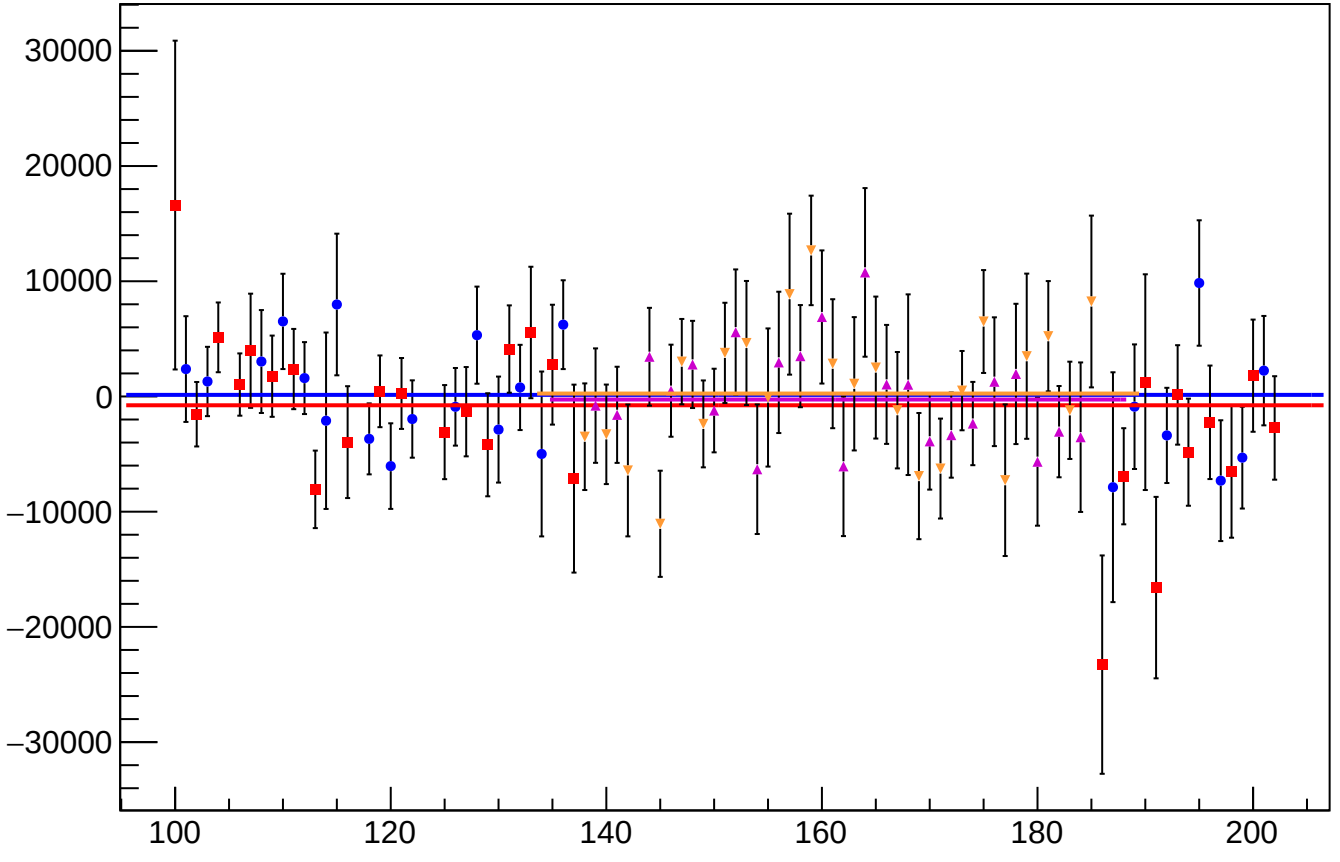
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1064.026+/-0.138 χ^2/NDF: 1989435.7/46

All: 1060.836+/-0.096 χ^2/NDF: 3833558.6/97

- sign 1057.861+/-0.133 χ^2/NDF: 1843086.5/50

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 137.978+/-877.226 χ^2/NDF: 23.2/22

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -764.154+/-787.996 χ^2/NDF: 32.6/27

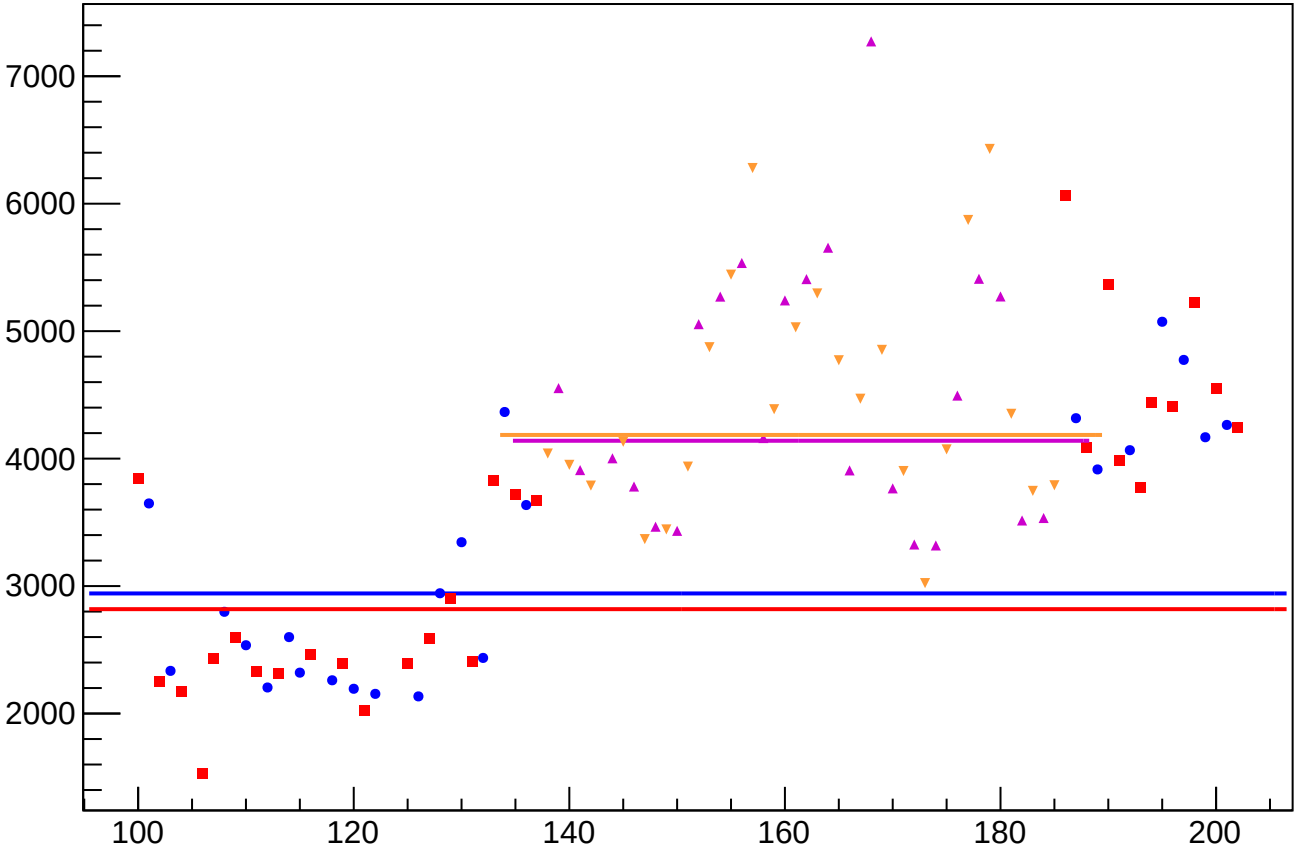
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 188.187+/-658.055 χ^2/NDF: 52.9/46

All: -216.131+/-449.927 χ^2/NDF: 99.8/97

- sign -571.063+/-616.556 χ^2/NDF: 46.2/50

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2942.188+/-0.620 χ^2/NDF: 1997819.7/22

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2818.935+/-0.557 χ^2/NDF: 3092841.8/27

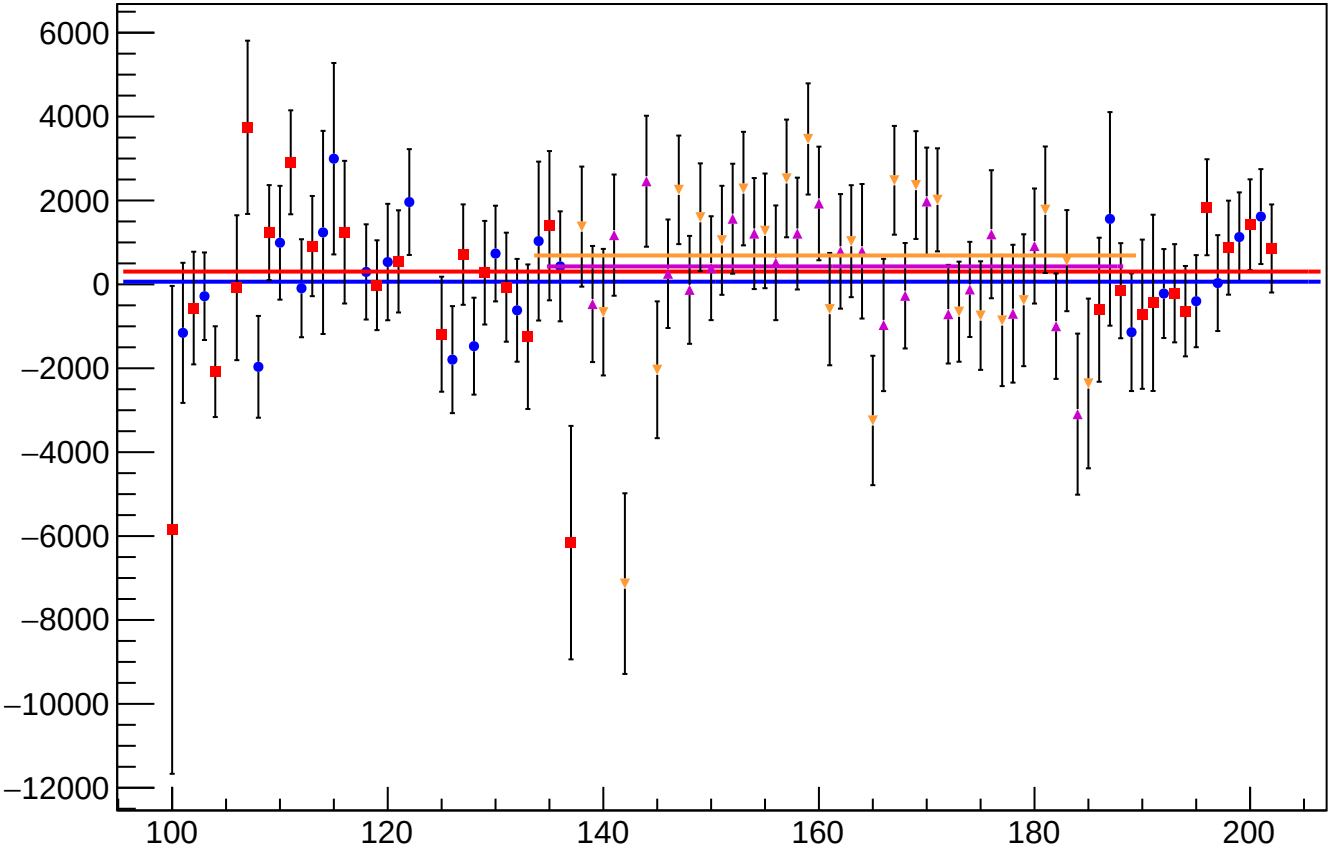
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3485.916+/-0.465 χ^2/NDF: 5026280.3/46

All: 3403.557+/-0.318 χ^2/NDF: 11807923.7/9

- sign 3331.257+/-0.436 χ^2/NDF: 6722813.7/50

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: 63.891+/-267.364 χ^2/NDF: 17.3/22

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 305.263+/-251.057 χ^2/NDF: 28.2/27

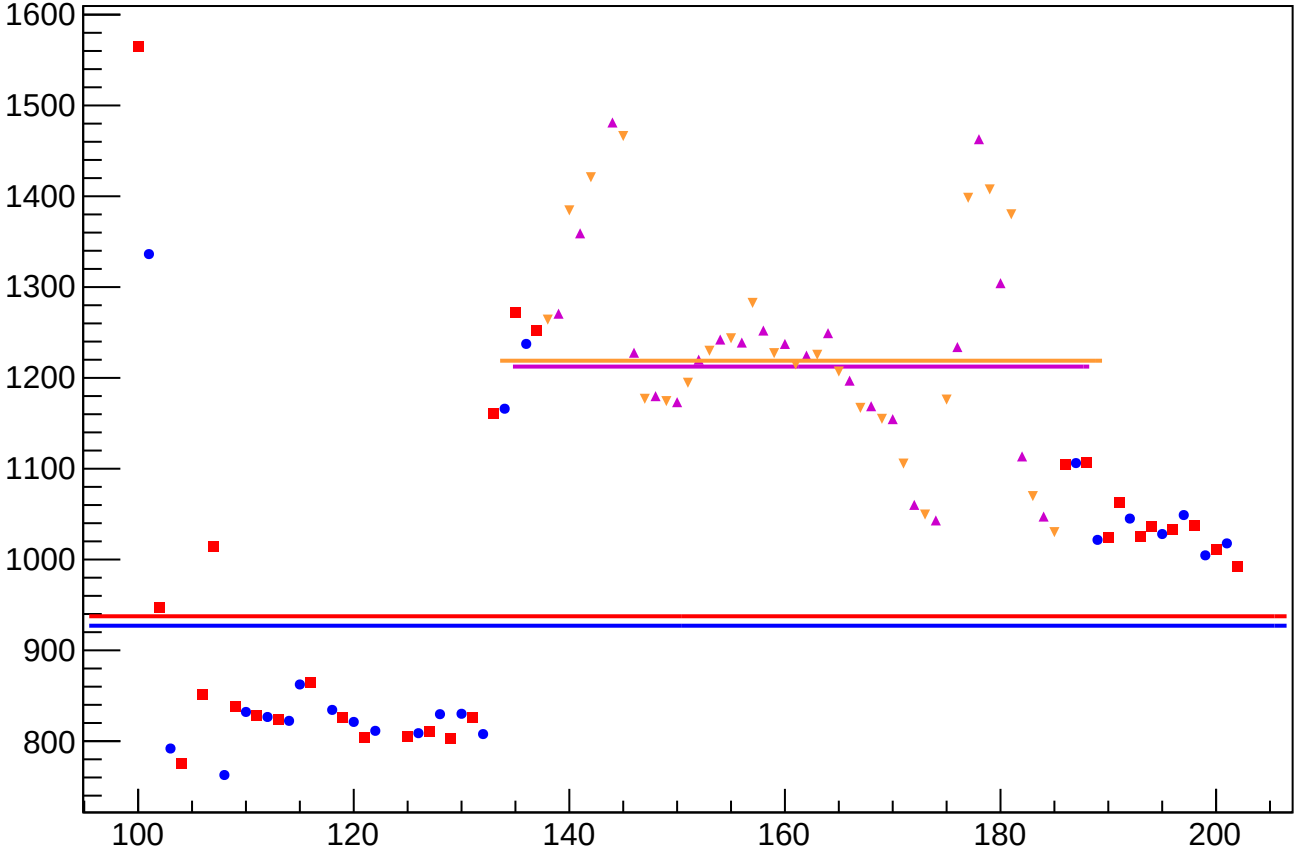
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 357.218+/-194.795 χ^2/NDF: 65.6/46

All: 358.162+/-135.352 χ^2/NDF: 108.6/97

- sign 359.044+/-188.209 χ^2/NDF: 42.9/50

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 927.114+/-0.189 χ^2/NDF: 577744.1/22

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

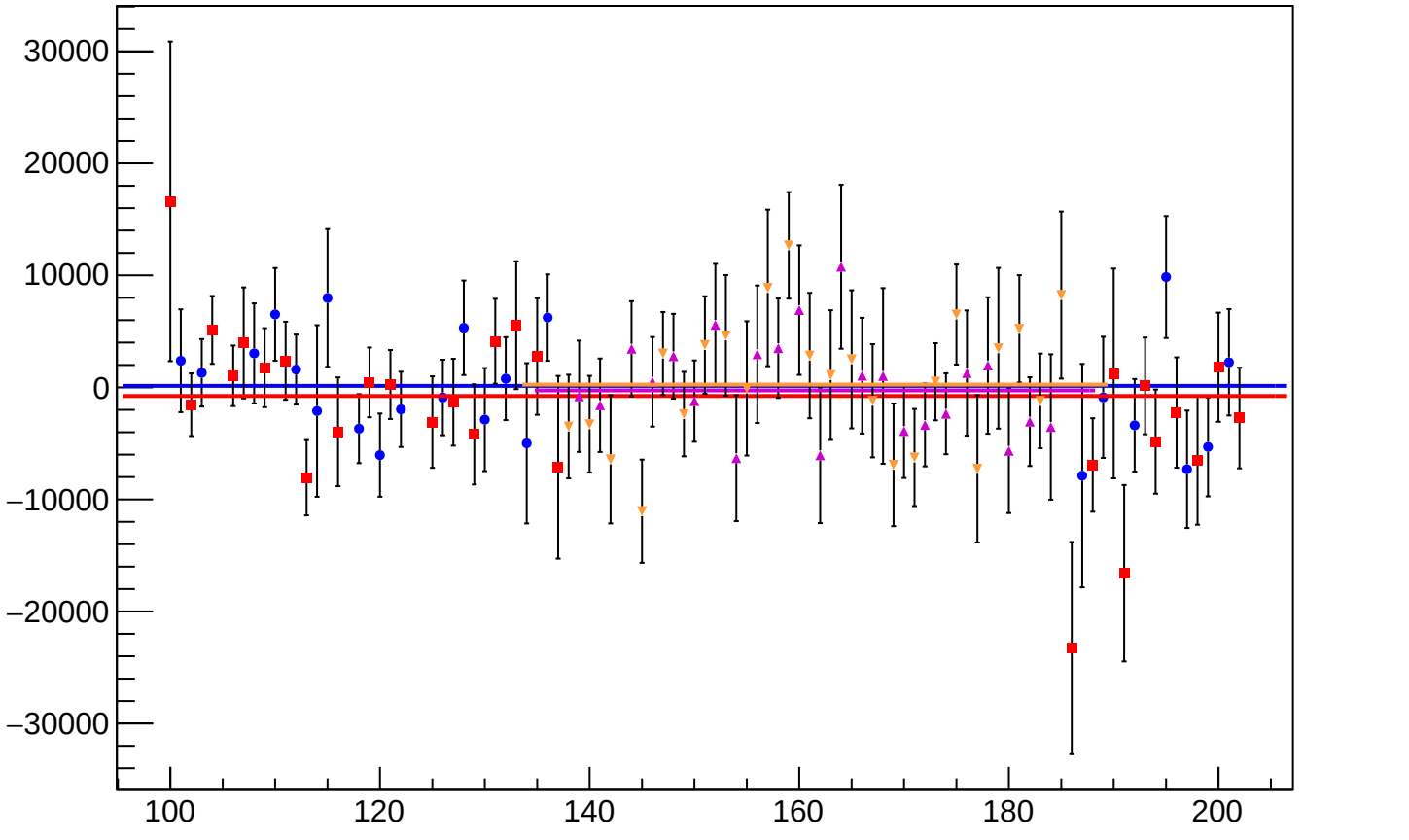
Right Out: 937.522+/-0.177 χ^2/NDF: 531754.1/27

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1064.026+/-0.138 χ^2/NDF: 1989452.7/46

All: 1060.837+/-0.096 χ^2/NDF: 3833592.2/97

- sign 1057.861+/-0.133 χ^2/NDF: 1843103.1/50



Right In: 137.975+/-877.224 χ^2/NDF: 23.2/22

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -764.149+/-787.995 χ^2/NDF: 32.6/27

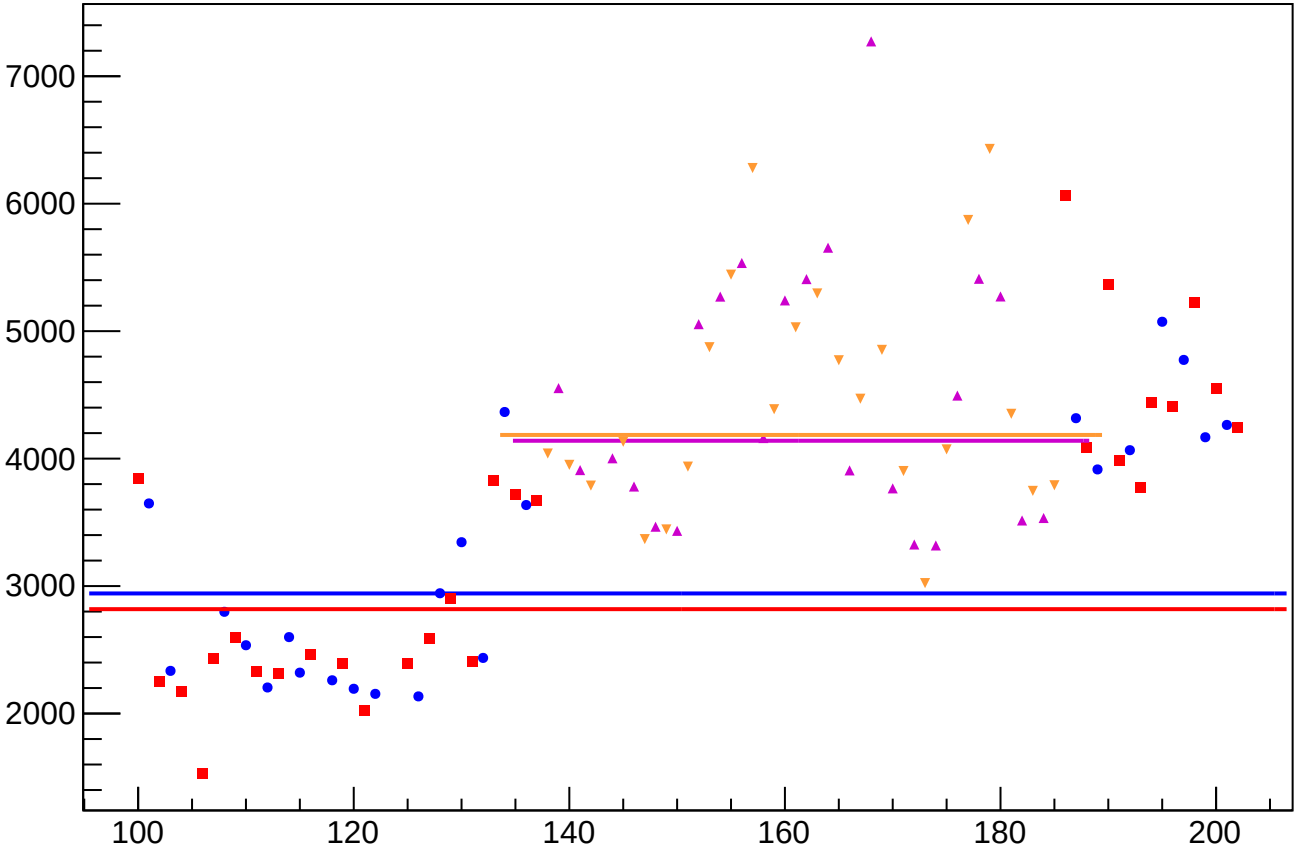
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 188.186+/-658.055 χ^2/NDF: 52.9/46

All: -216.131+/-449.927 χ^2/NDF: 99.8/97

- sign -571.062+/-616.556 χ^2/NDF: 46.2/50

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2942.180+/-0.620 χ^2/NDF: 1997846.7/22

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2818.928+/-0.557 χ^2/NDF: 3092869.5/27

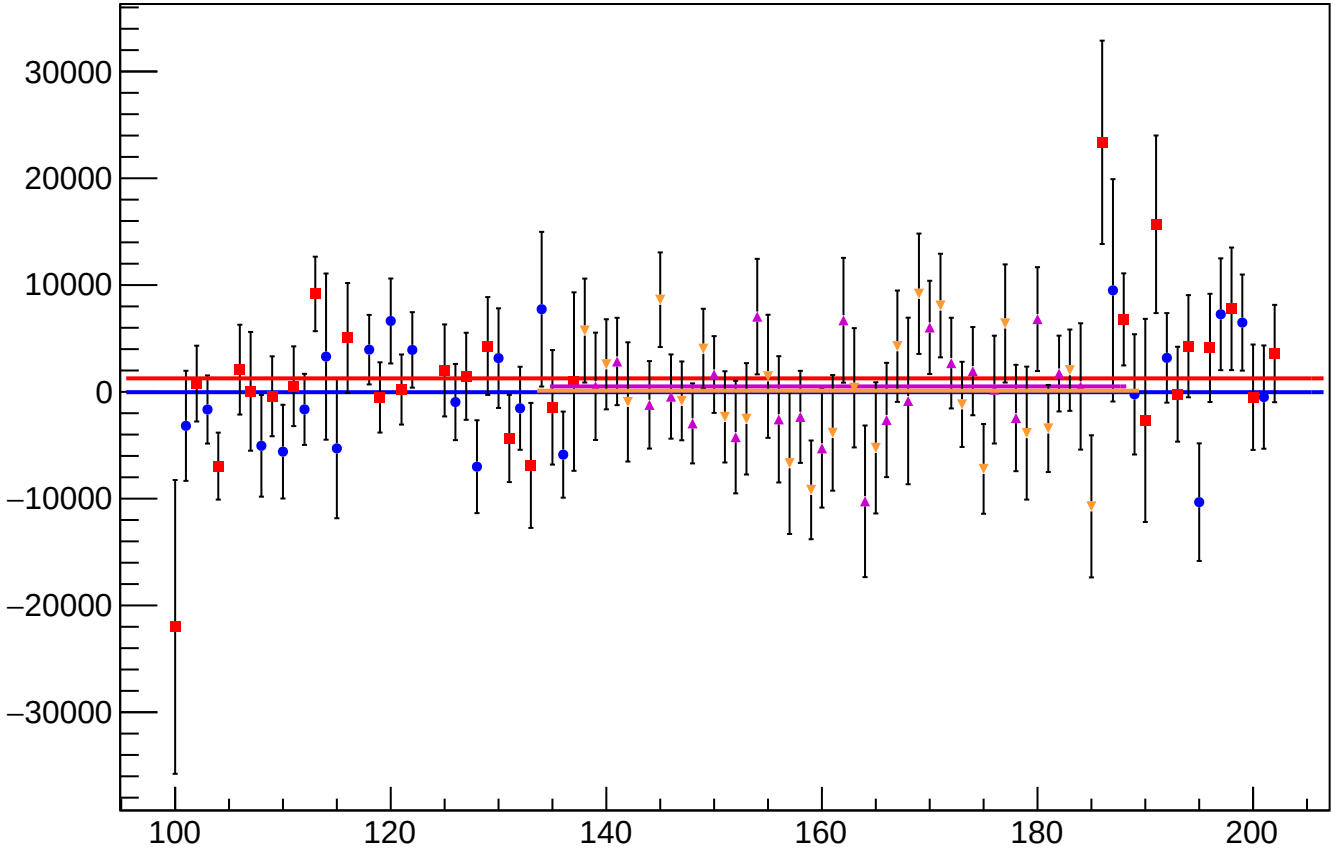
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3485.913+/-0.465 χ^2/NDF: 5026351.5/46

All: 3403.553+/-0.318 χ^2/NDF: 11808068.3/9

- sign 3331.254+/-0.436 χ^2/NDF: 6722887.0/50

asym_usl_atl2_dd_mean vs Slug



Right In: -32.108+/-919.302 χ^2/NDF: 25.5/22

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1263.872+/-855.326 χ^2/NDF: 33.4/27

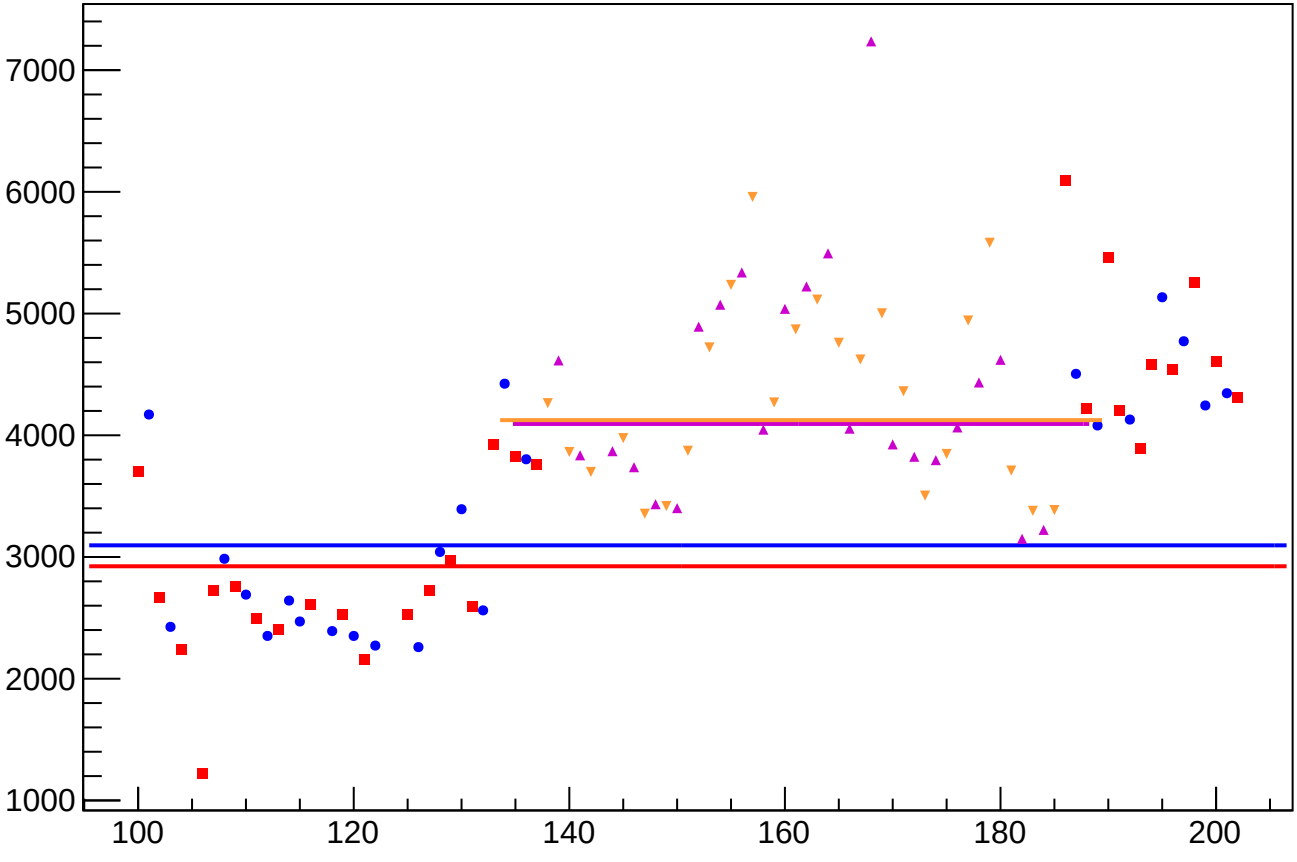
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

\+ sign 34.241+/-669.062 χ^2/NDF: 53.5/46

All: 502.831+/-463.512 χ^2/NDF: 101.7/97

\- sign 935.278+/-642.741 χ^2/NDF: 47.3/50

asym_usl_atl2_dd_rms vs Slug



Right In: 3095.767+/-0.650 χ^2/NDF: 1837979.8/22

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2923.794+/-0.584 χ^2/NDF: 3292273.4/27

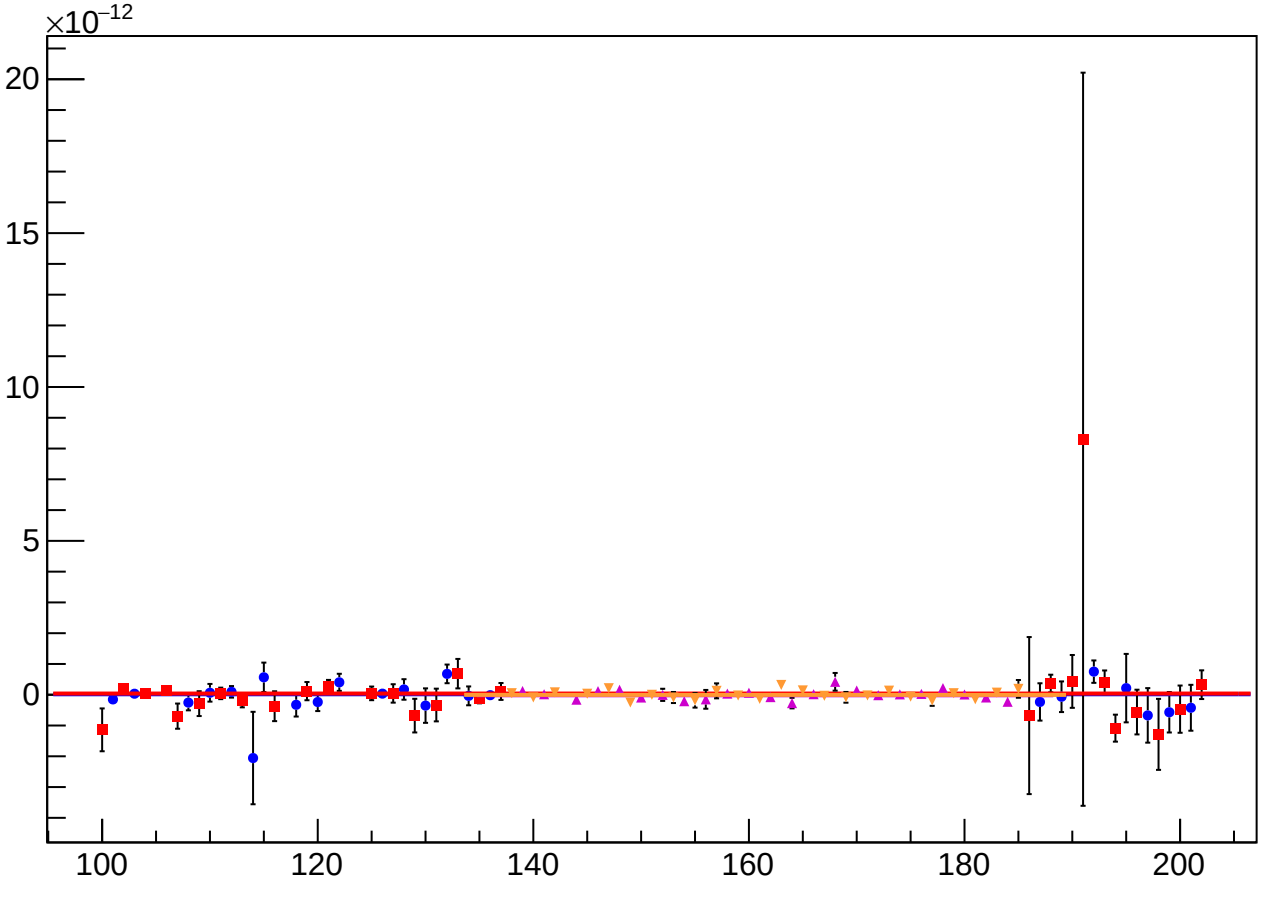
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3579.589+/-0.473 χ^2/NDF: 3985778.7/46

All: 3491.005+/-0.324 χ^2/NDF: 10184045.9/9

- sign 3412.511+/-0.445 χ^2/NDF: 6132141.1/50

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

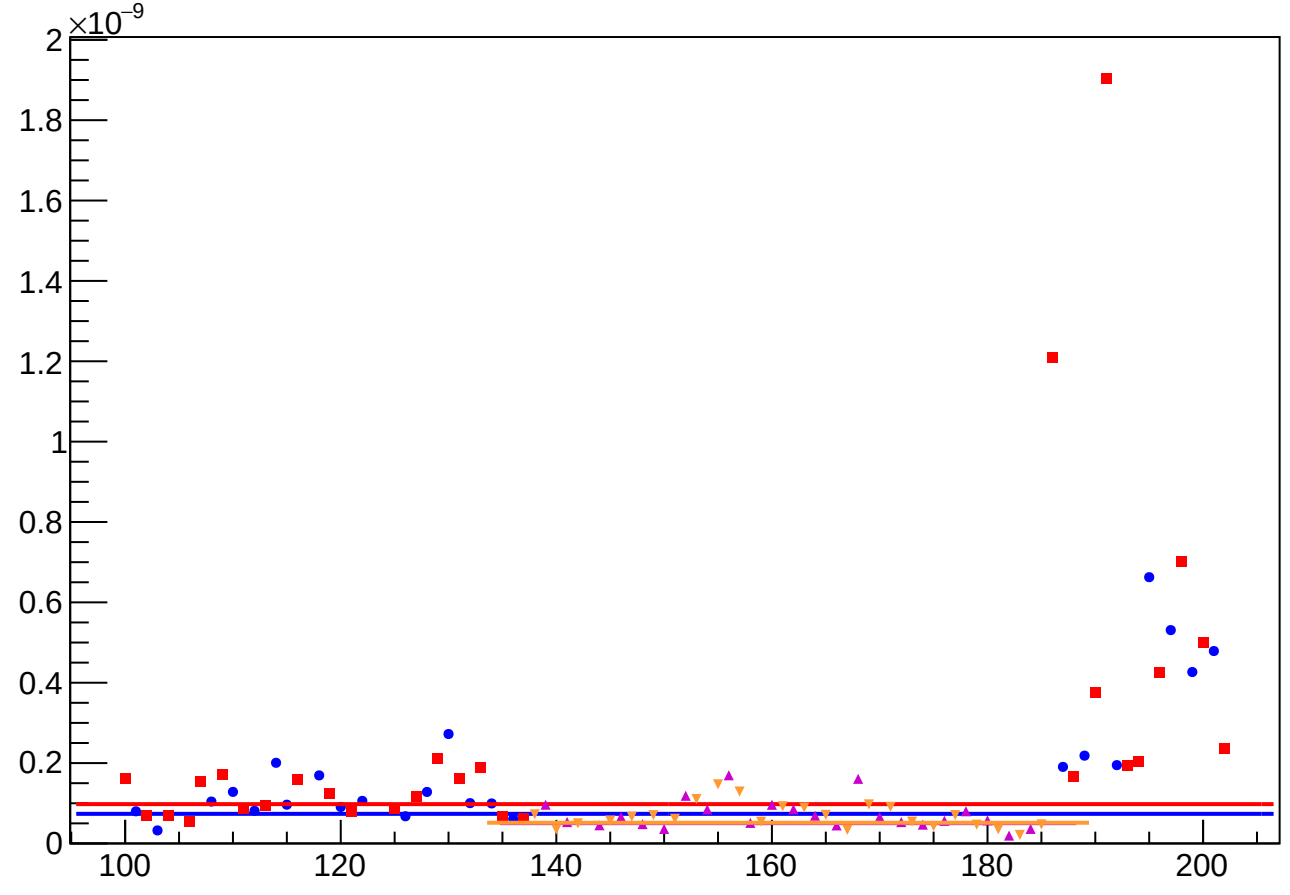
Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/27

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.7/46

All: -0.000+/-0.000 χ^2/NDF: 101.9/97

- sign -0.000+/-0.000 χ^2/NDF: 56.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 4024104.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3510283.0/27

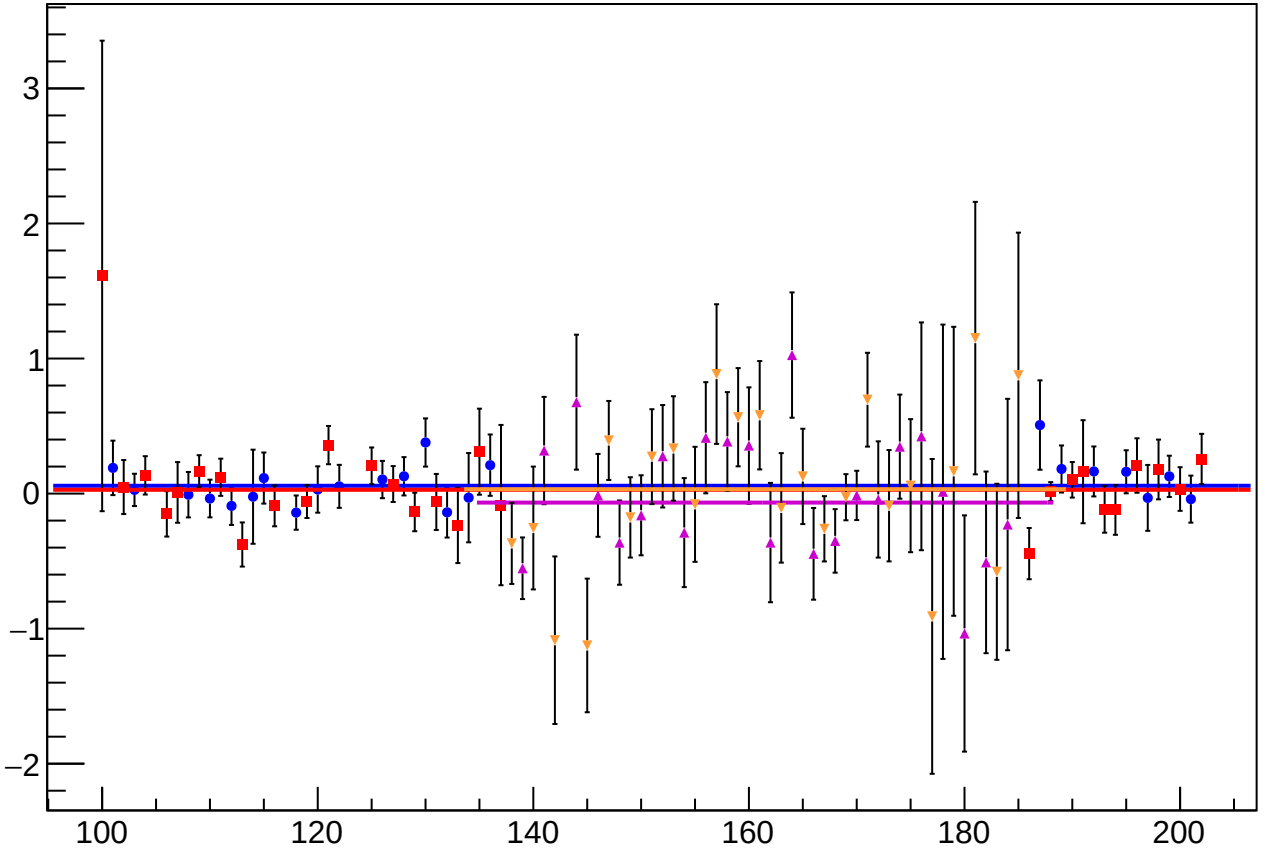
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6708130.4/46

All: 0.000+/-0.000 χ^2/NDF: 14117660.0/97

- sign 0.000+/-0.000 χ^2/NDF: 7401698.0/50

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.058+/-0.035 χ^2/NDF: 13.8/22

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.028+/-0.030 χ^2/NDF: 32.9/27

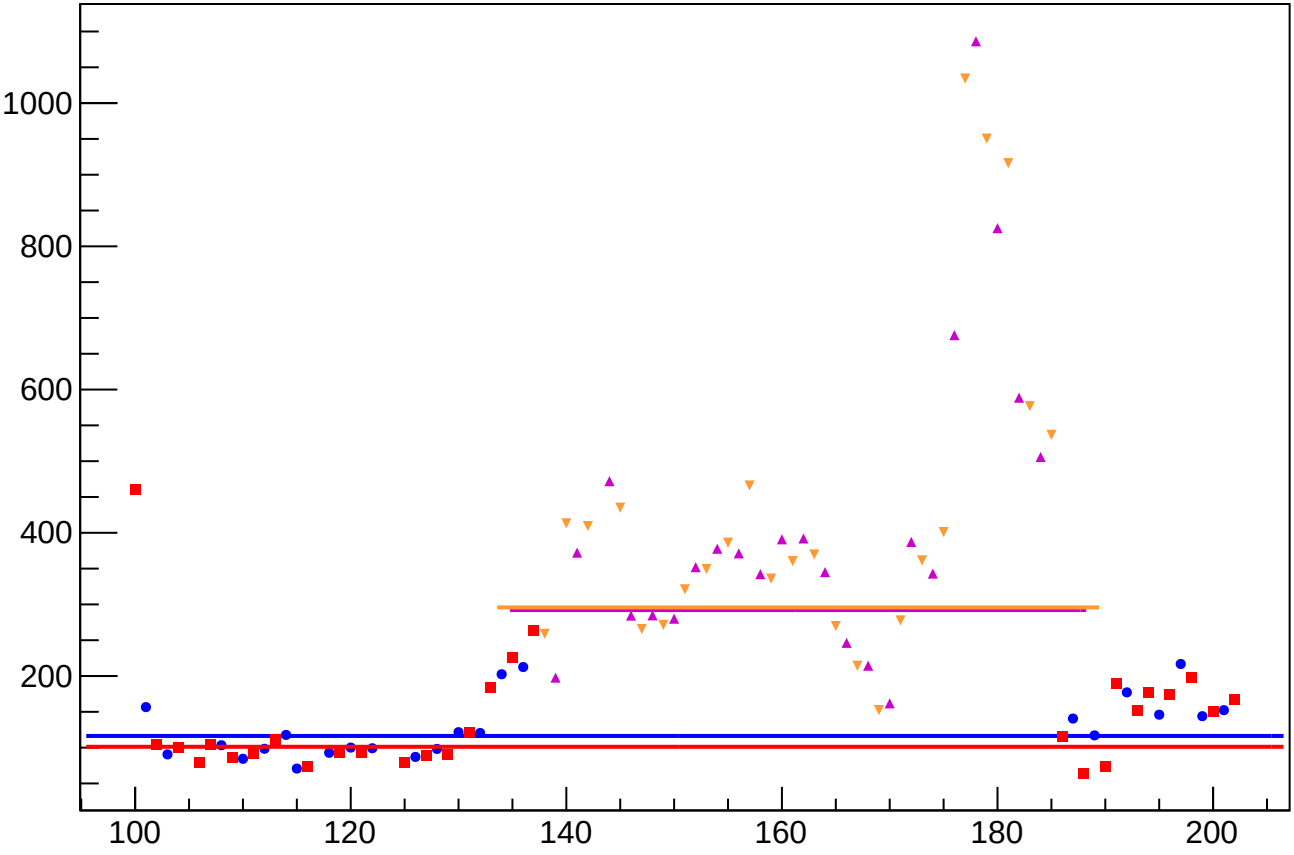
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.032 χ^2/NDF: 43.7/46

All: 0.031+/-0.021 χ^2/NDF: 104.4/97

- sign 0.015+/-0.028 χ^2/NDF: 59.9/50

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.313+/-0.025 χ^2/NDF: 1954114.9/22

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 101.186+/-0.021 χ^2/NDF: 3361234.9/27

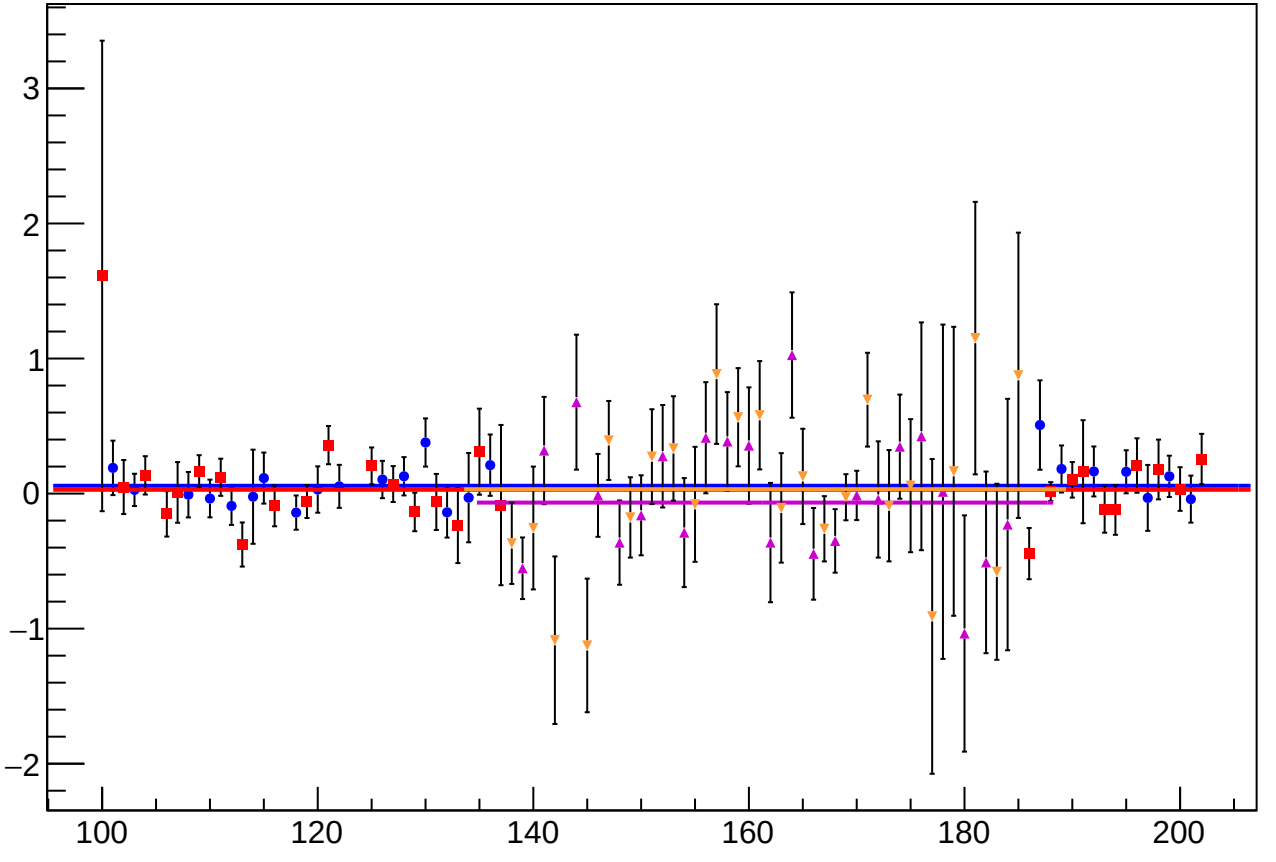
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.331+/-0.023 χ^2/NDF: 16618875.9/46

All: 136.188+/-0.015 χ^2/NDF: 36809653.3/97

- sign 127.218+/-0.020 χ^2/NDF: 19693190.9/50

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.058+/-0.035 χ^2/NDF: 13.8/22

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

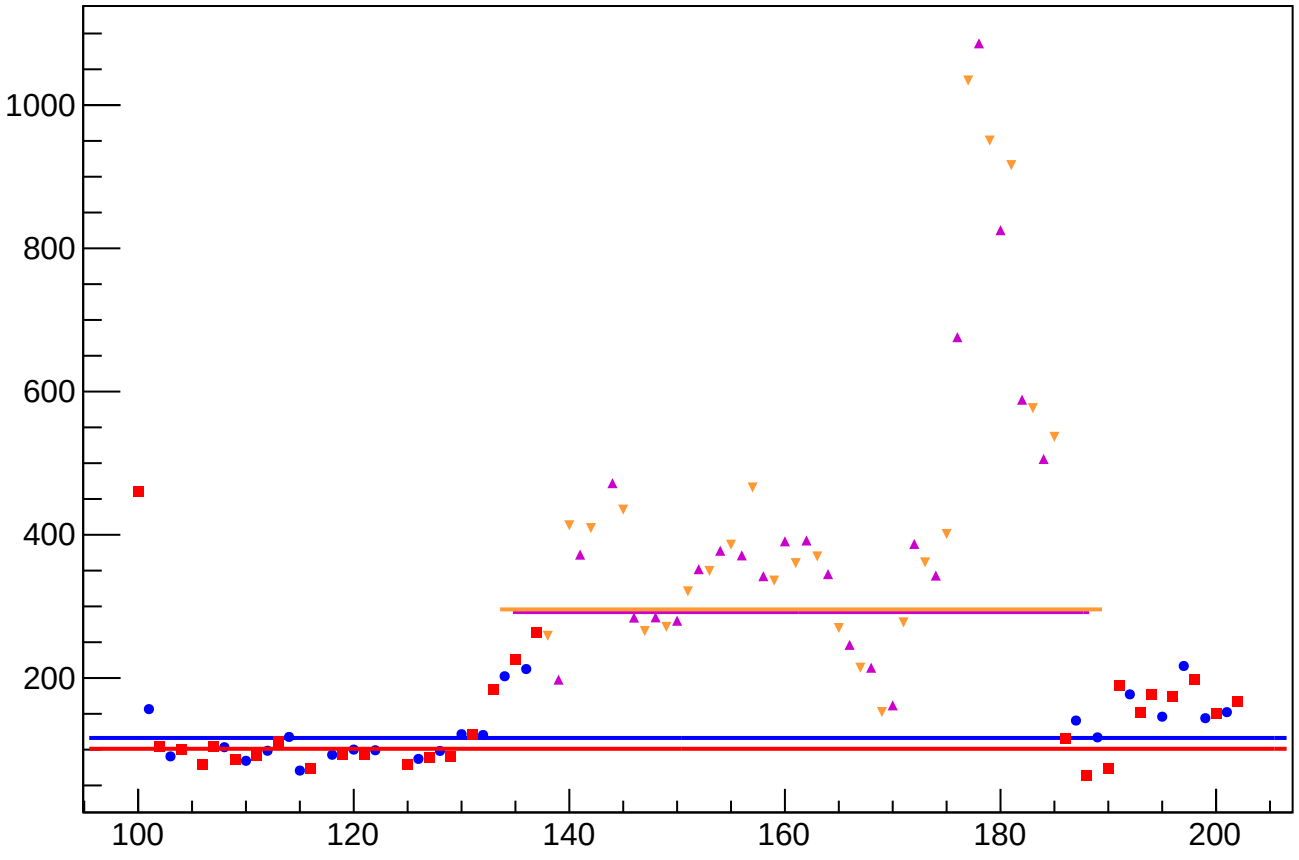
Right Out: 0.028+/-0.030 χ^2/NDF: 32.9/27

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.032 χ^2/NDF: 43.7/46

All: 0.031+/-0.021 χ^2/NDF: 104.4/97

- sign 0.015+/-0.028 χ^2/NDF: 59.9/50



Right In: 116.313+/-0.025 χ^2/NDF: 1954114.9/22

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

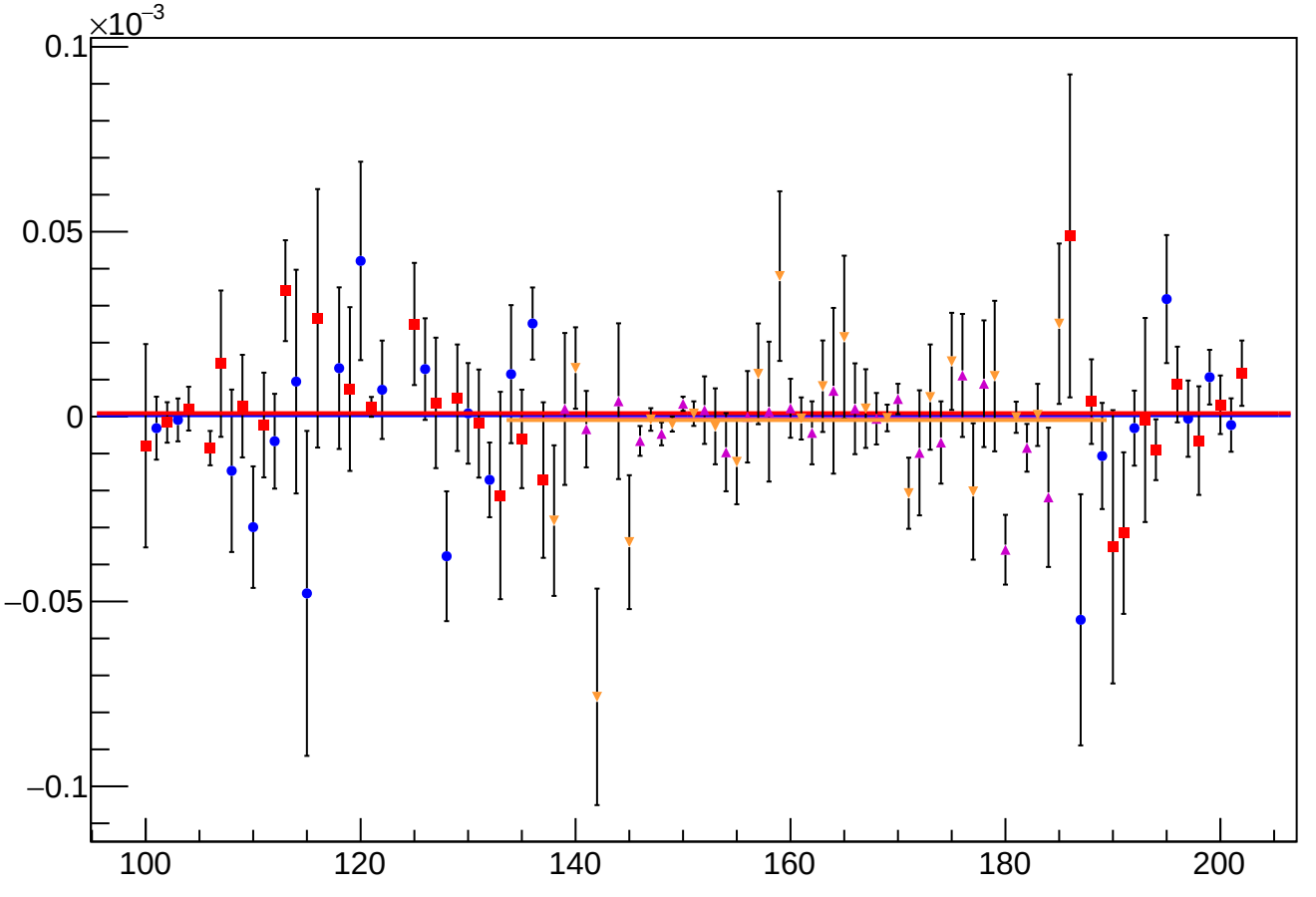
Right Out: 101.186+/-0.021 χ^2/NDF: 3361234.9/27

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.331+/-0.023 χ^2/NDF: 16618875.9/46

All: 136.188+/-0.015 χ^2/NDF: 36809653.3/97

- sign 127.218+/-0.020 χ^2/NDF: 19693190.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 32.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

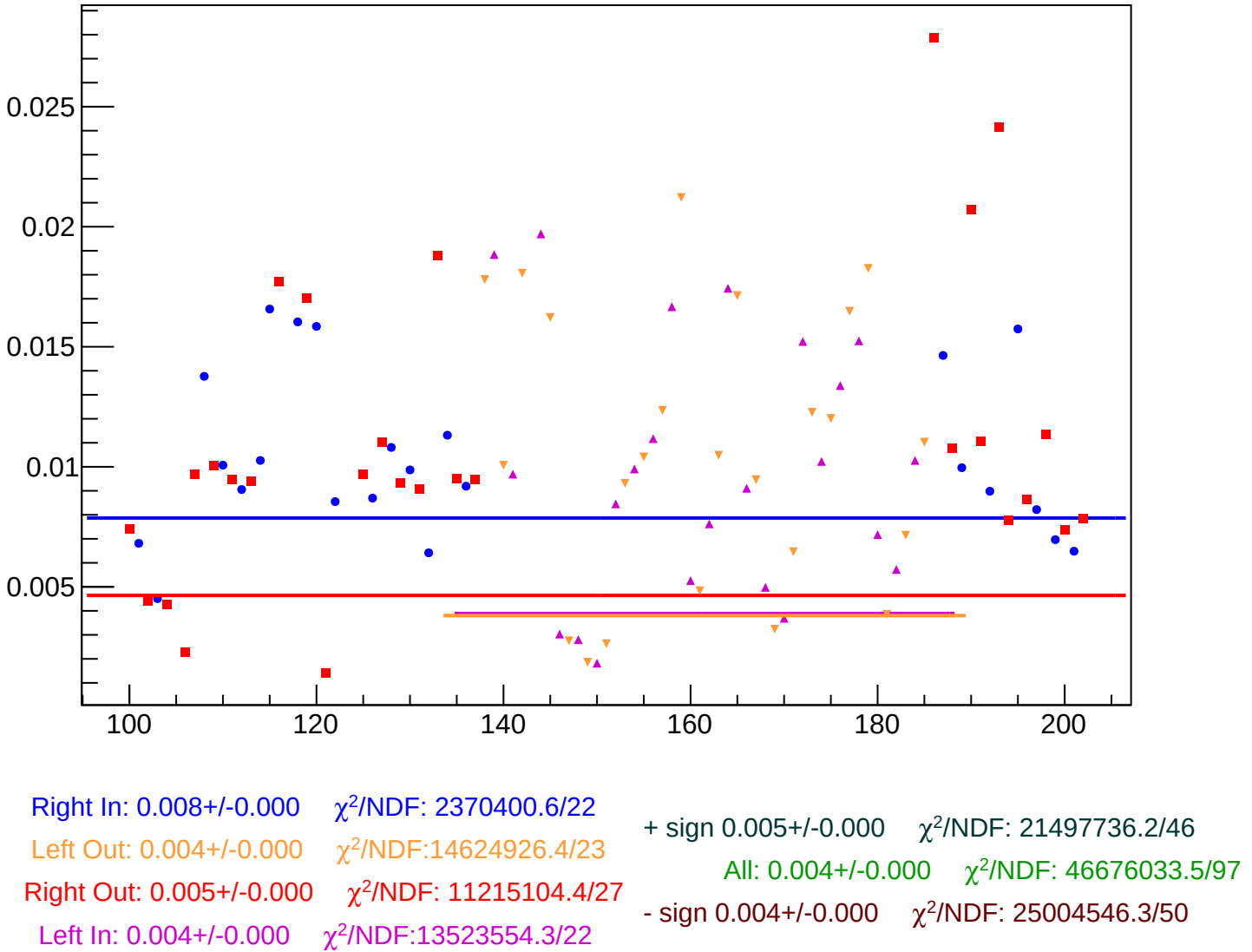
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/27

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

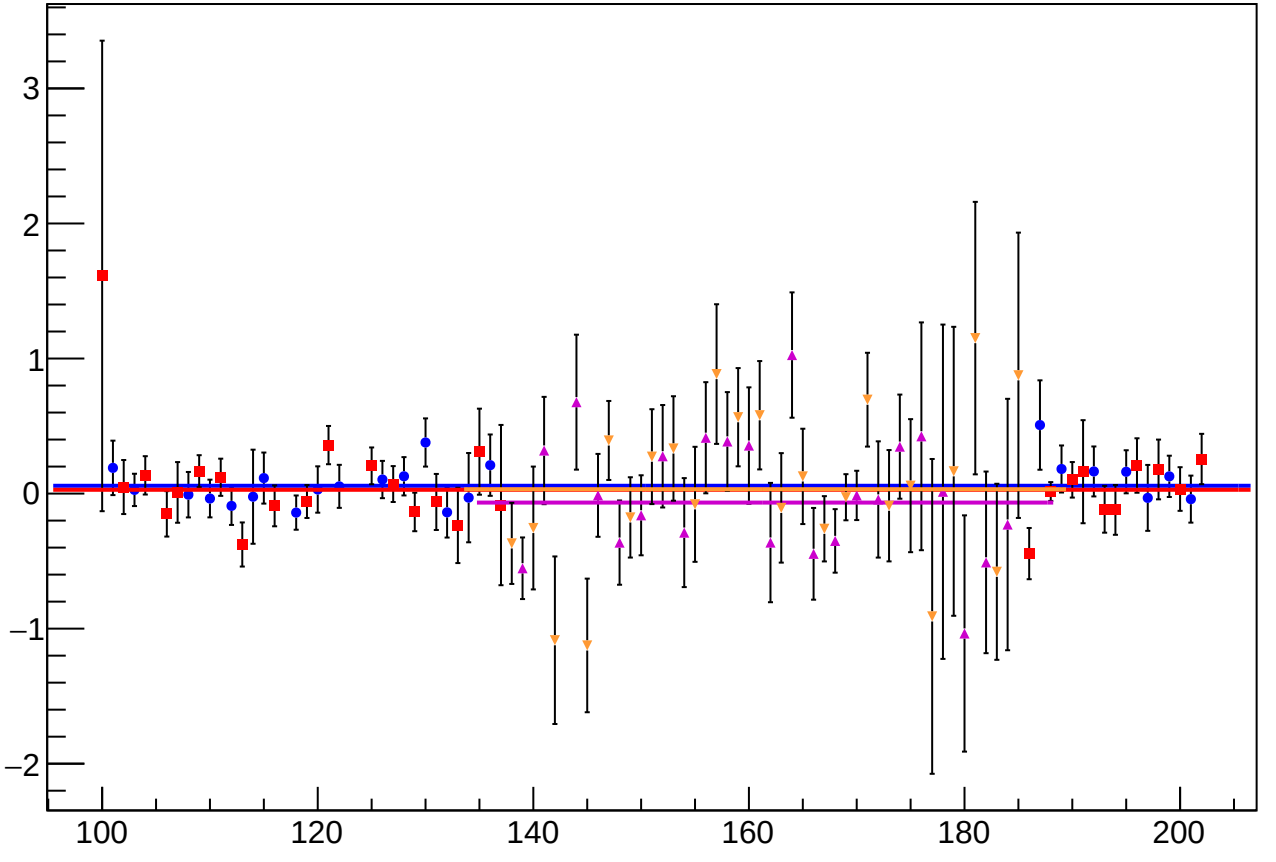
+ sign -0.000+/-0.000 χ^2/NDF: 62.1/46

All: -0.000+/-0.000 χ^2/NDF: 116.8/97

- sign -0.000+/-0.000 χ^2/NDF: 54.6/50


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.008+/-0.000 χ²/NDF: 2370400.6/22
Left Out: 0.004+/-0.000 χ²/NDF:14624926.4/23
Right Out: 0.005+/-0.000 χ²/NDF: 11215104.4/27
Left In: 0.004+/-0.000 χ²/NDF:13523554.3/22
+ sign 0.005+/-0.000 χ²/NDF: 21497736.2/46
All: 0.004+/-0.000 χ²/NDF: 46676033.5/97
- sign 0.004+/-0.000 χ²/NDF: 25004546.3/50

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.058+/-0.035 χ^2/NDF: 13.8/22

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

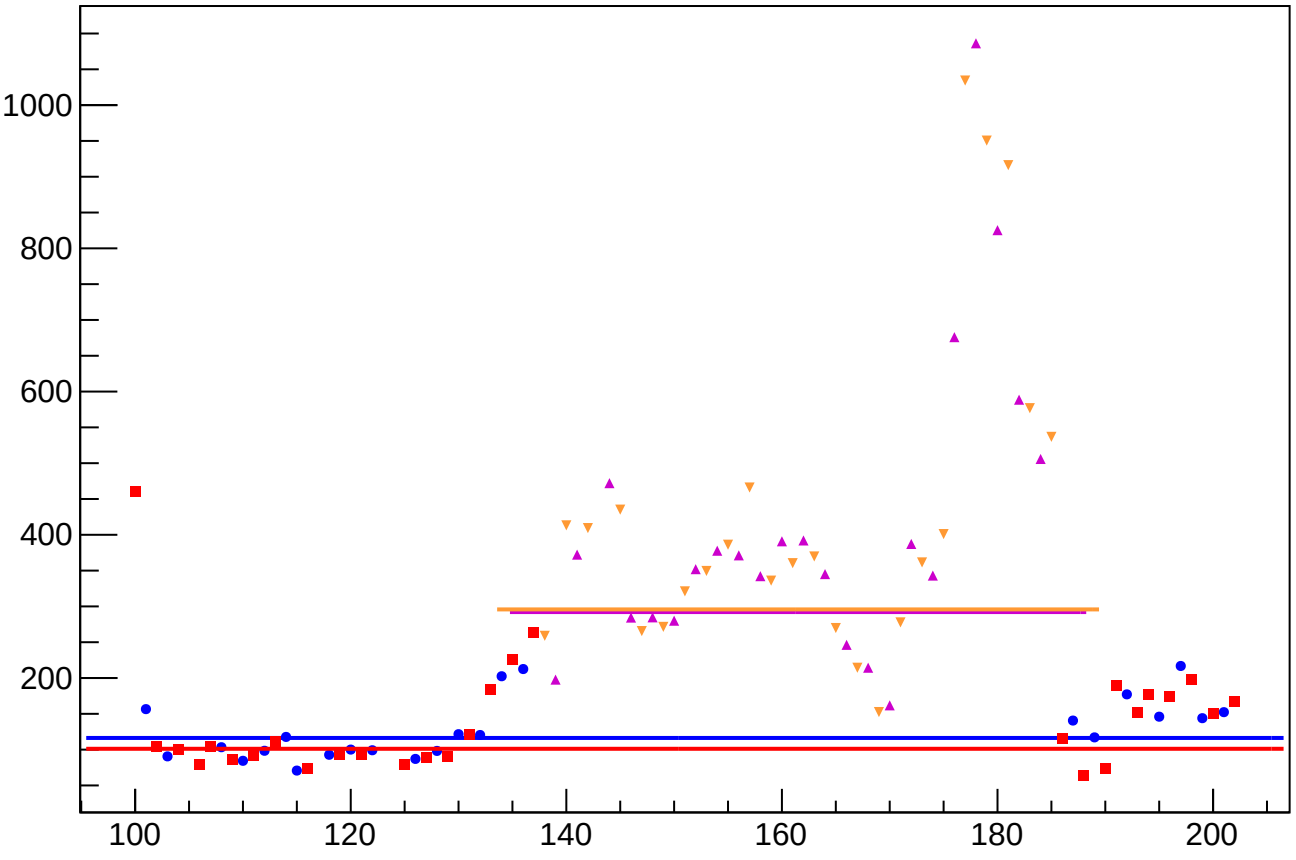
Right Out: 0.028+/-0.030 χ^2/NDF: 32.9/27

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.032 χ^2/NDF: 43.7/46

All: 0.031+/-0.021 χ^2/NDF: 104.4/97

- sign 0.015+/-0.028 χ^2/NDF: 59.9/50



Right In: 116.313+/-0.025 χ^2/NDF: 1954053.4/22

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

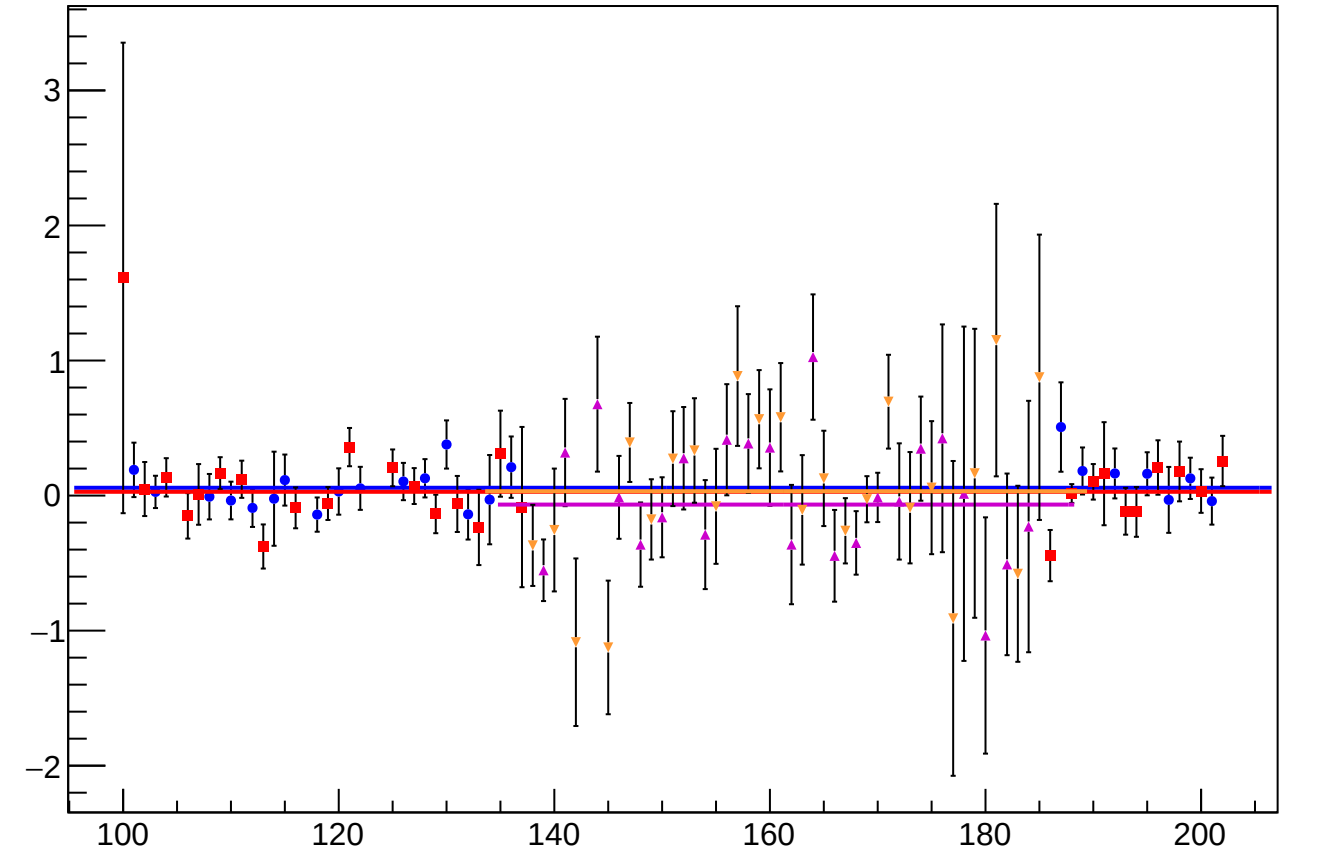
Right Out: 101.184+/-0.021 χ^2/NDF: 3361367.2/27

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.332+/-0.023 χ^2/NDF: 16618907.3/46

All: 136.187+/-0.015 χ^2/NDF: 36810275.1/97

- sign 127.216+/-0.020 χ^2/NDF: 19693675.0/50



Right In: 0.058+/-0.035 χ^2/NDF: 13.8/22

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

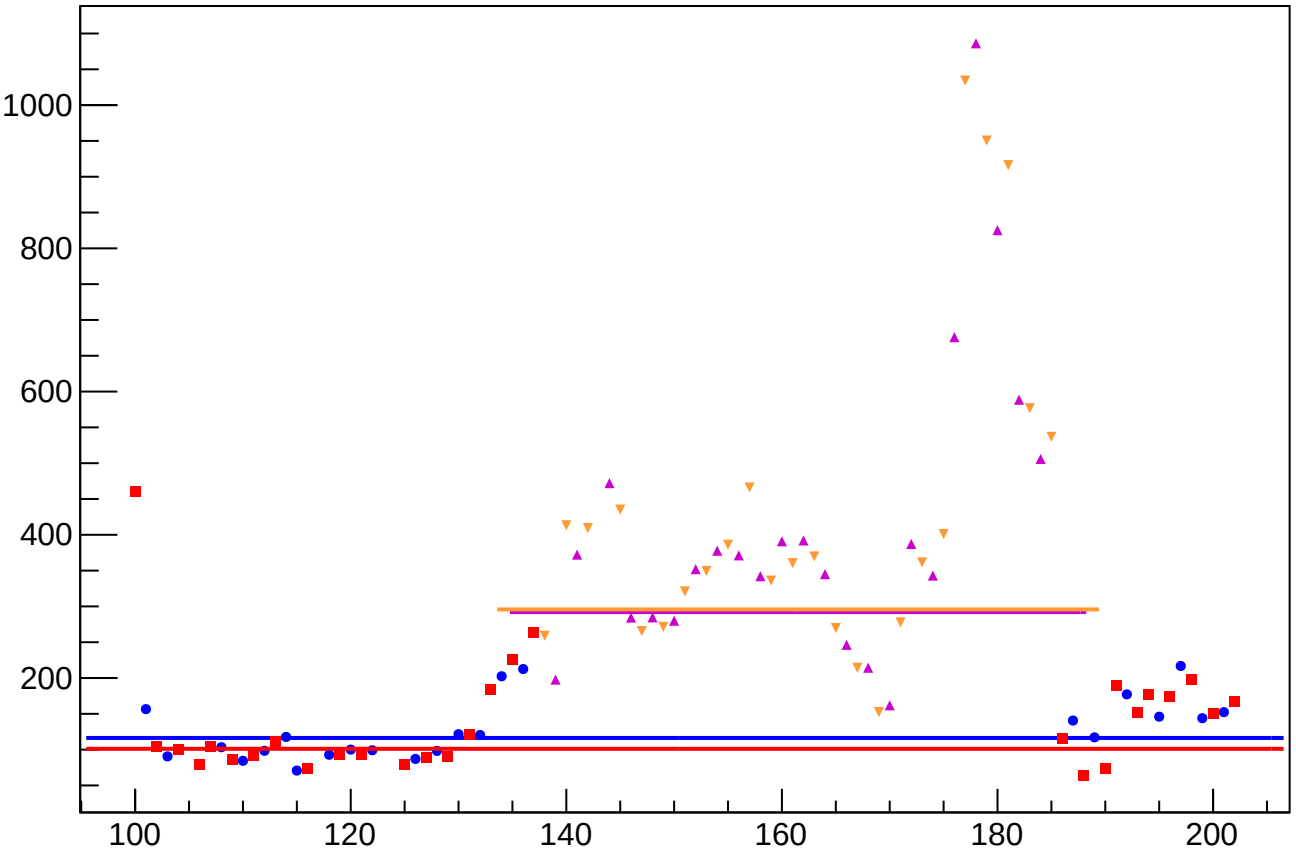
Right Out: 0.028+/-0.030 χ^2/NDF: 32.9/27

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.032 χ^2/NDF: 43.7/46

All: 0.031+/-0.021 χ^2/NDF: 104.4/97

- sign 0.015+/-0.028 χ^2/NDF: 59.9/50



Right In: 116.313+/-0.025 χ^2/NDF: 1954053.4/22

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

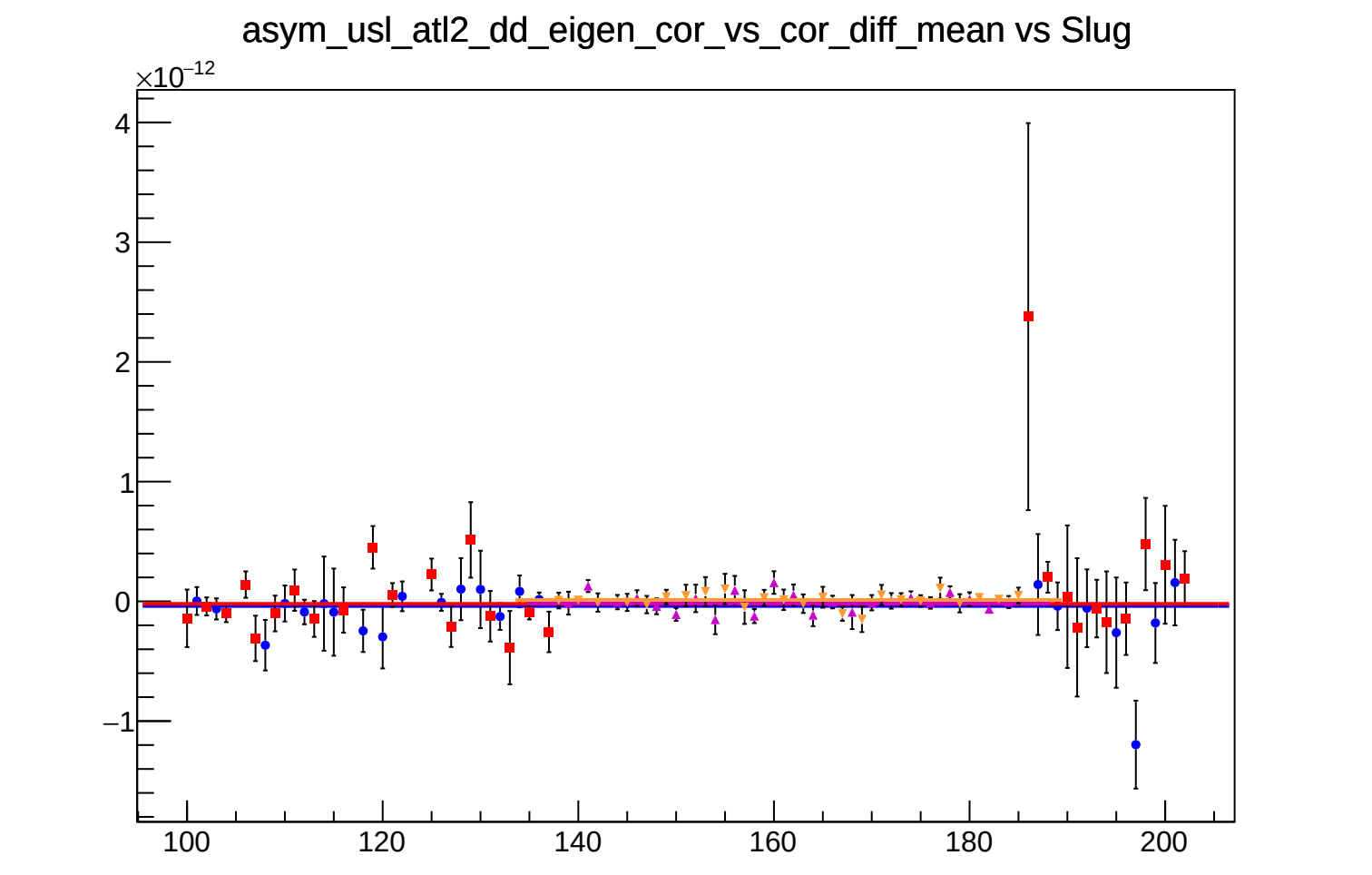
Right Out: 101.184+/-0.021 χ^2/NDF: 3361367.2/27

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.332+/-0.023 χ^2/NDF: 16618907.3/46

All: 136.187+/-0.015 χ^2/NDF: 36810275.1/97

- sign 127.216+/-0.020 χ^2/NDF: 19693675.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

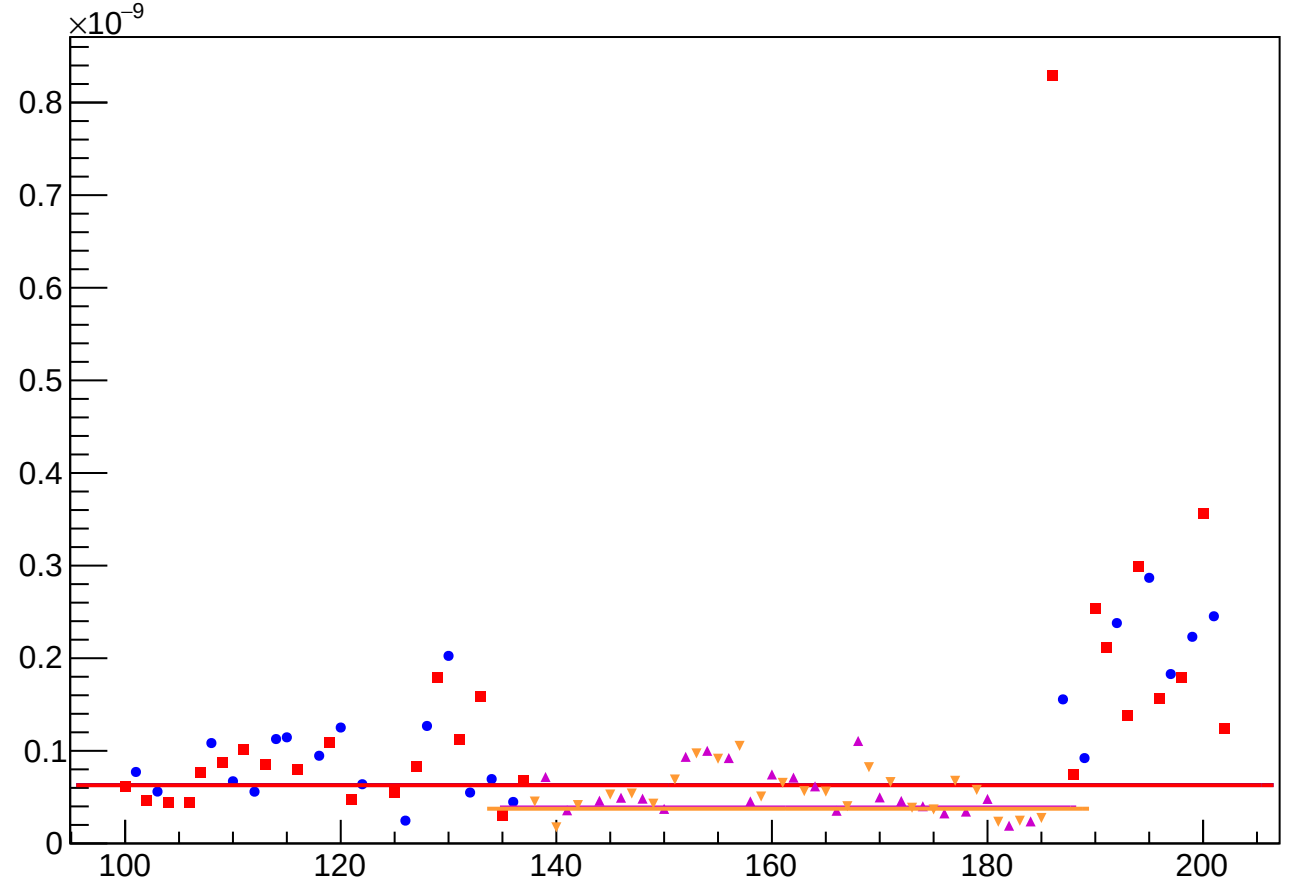
Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/27

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.7/46

All: -0.000+/-0.000 χ^2/NDF: 101.3/97

- sign -0.000+/-0.000 χ^2/NDF: 67.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 4069591.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4743868.3/27

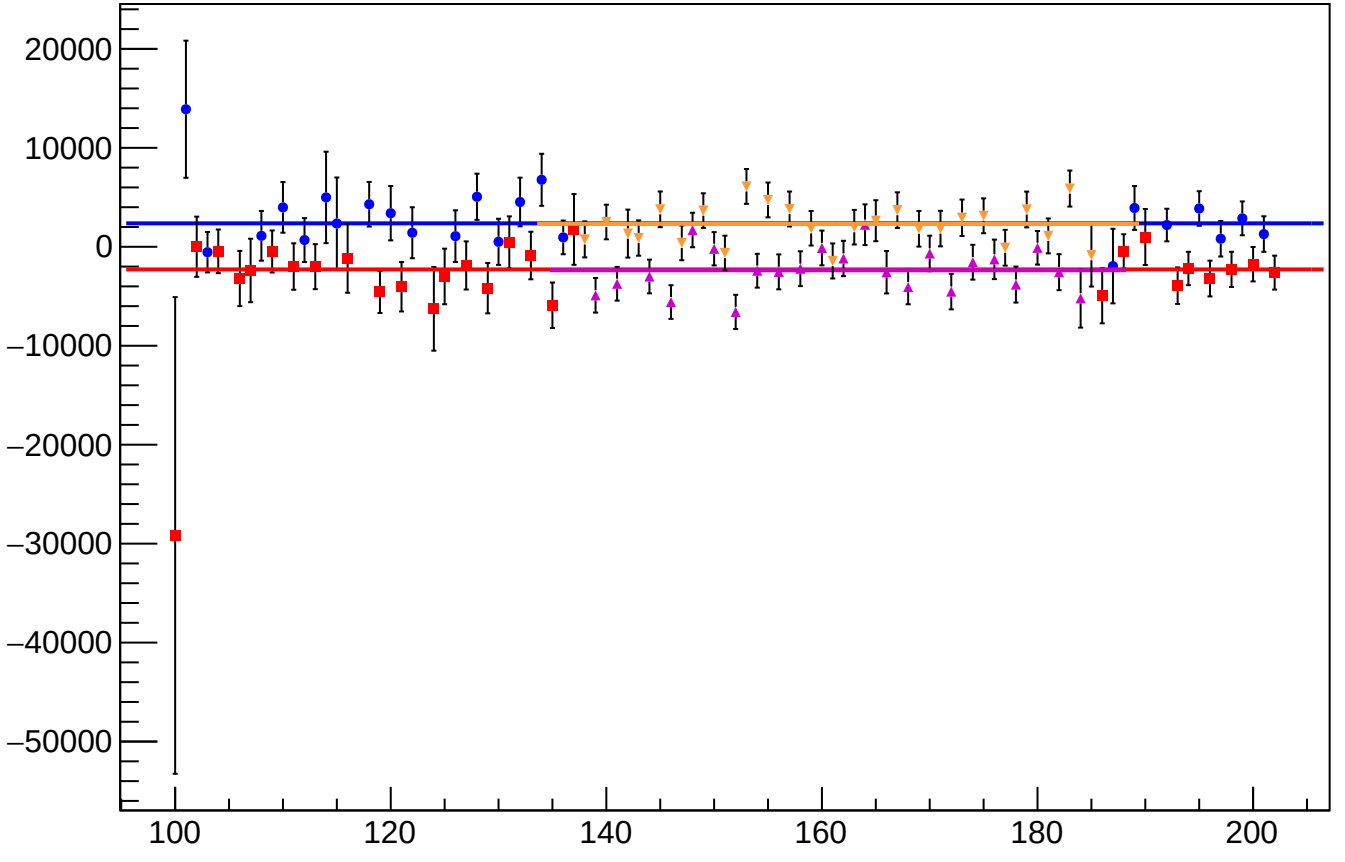
Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10406271.0/46

All: 0.000+/-0.000 χ^2/NDF: 21041873.9/97

- sign 0.000+/-0.000 χ^2/NDF: 10616973.0/50

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2369.675+/-473.996 χ^2/NDF: 17.6/22

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2285.895+/-437.659 χ^2/NDF: 16.4/27

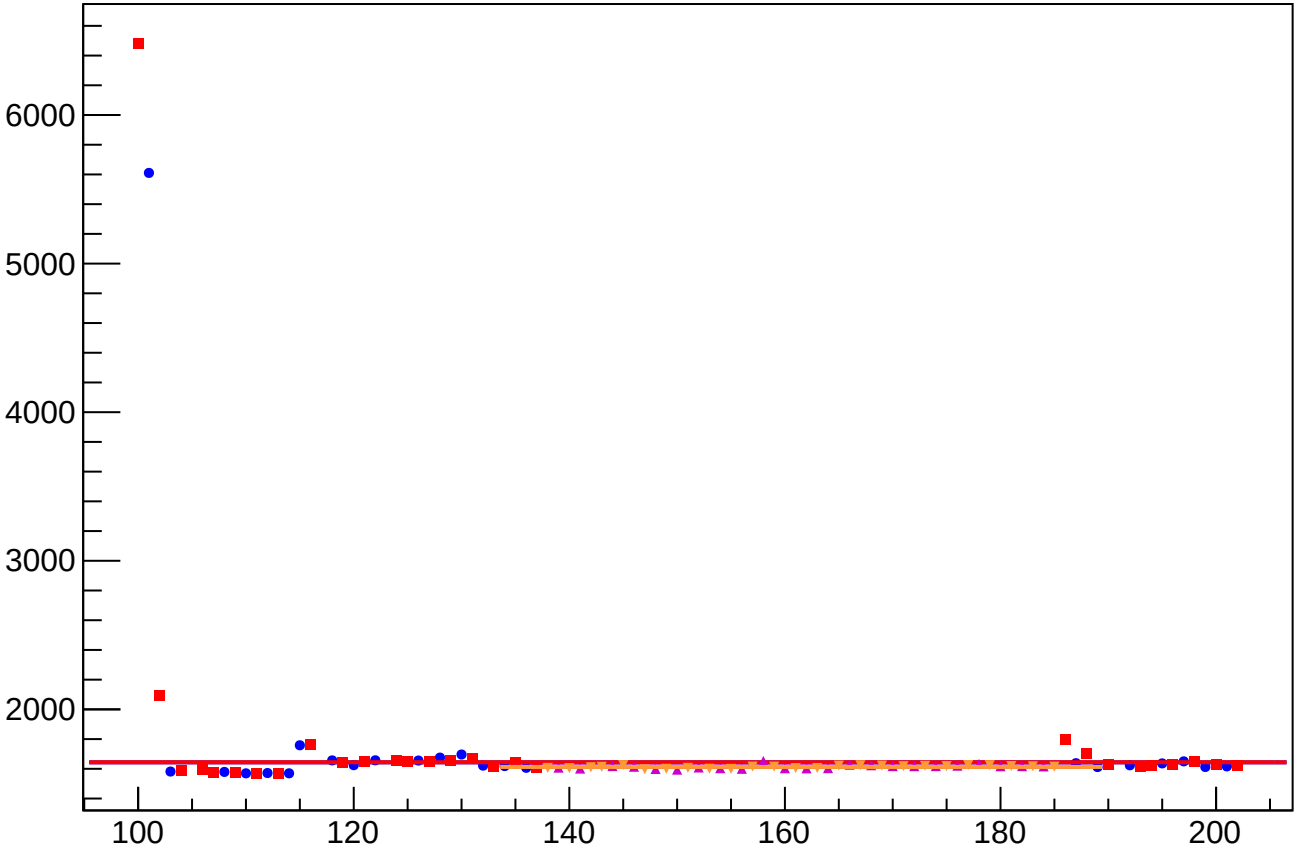
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.242+/-289.839 χ^2/NDF: 45.1/47

All: -32.498+/-203.414 χ^2/NDF: 227.2/98

- sign -2334.559+/-285.550 χ^2/NDF: 50.1/50

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1643.437+/-0.335 χ^2/NDF: 668982.6/22

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.204+/-0.309 χ^2/NDF: 146451.9/27

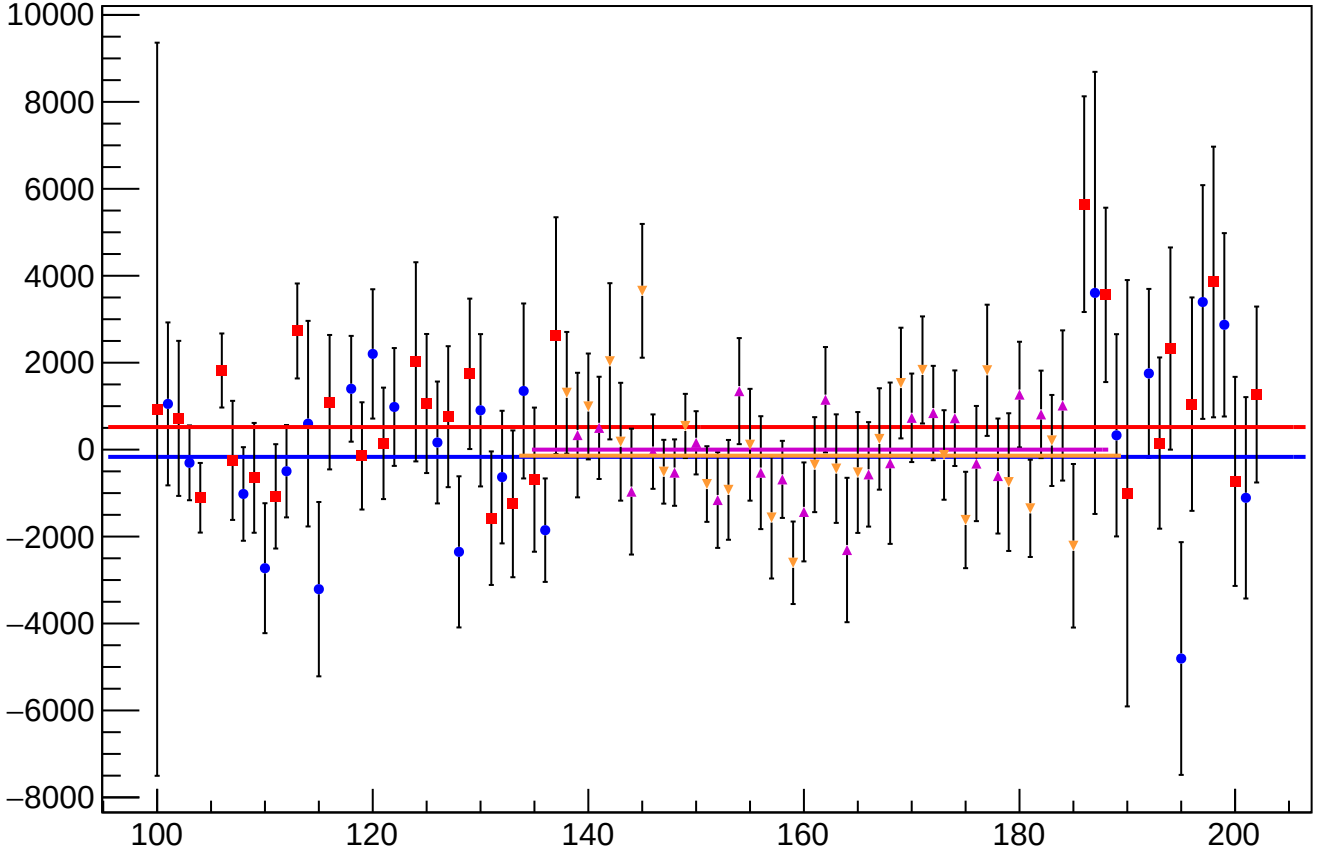
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.135+/-0.205 χ^2/NDF: 675452.3/47

All: 1625.456+/-0.144 χ^2/NDF: 829886.5/98

- sign 1626.739+/-0.202 χ^2/NDF: 154352.2/50

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -166.874+/-321.825 χ^2/NDF: 24.7/22

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 519.510+/-291.232 χ^2/NDF: 28.1/27

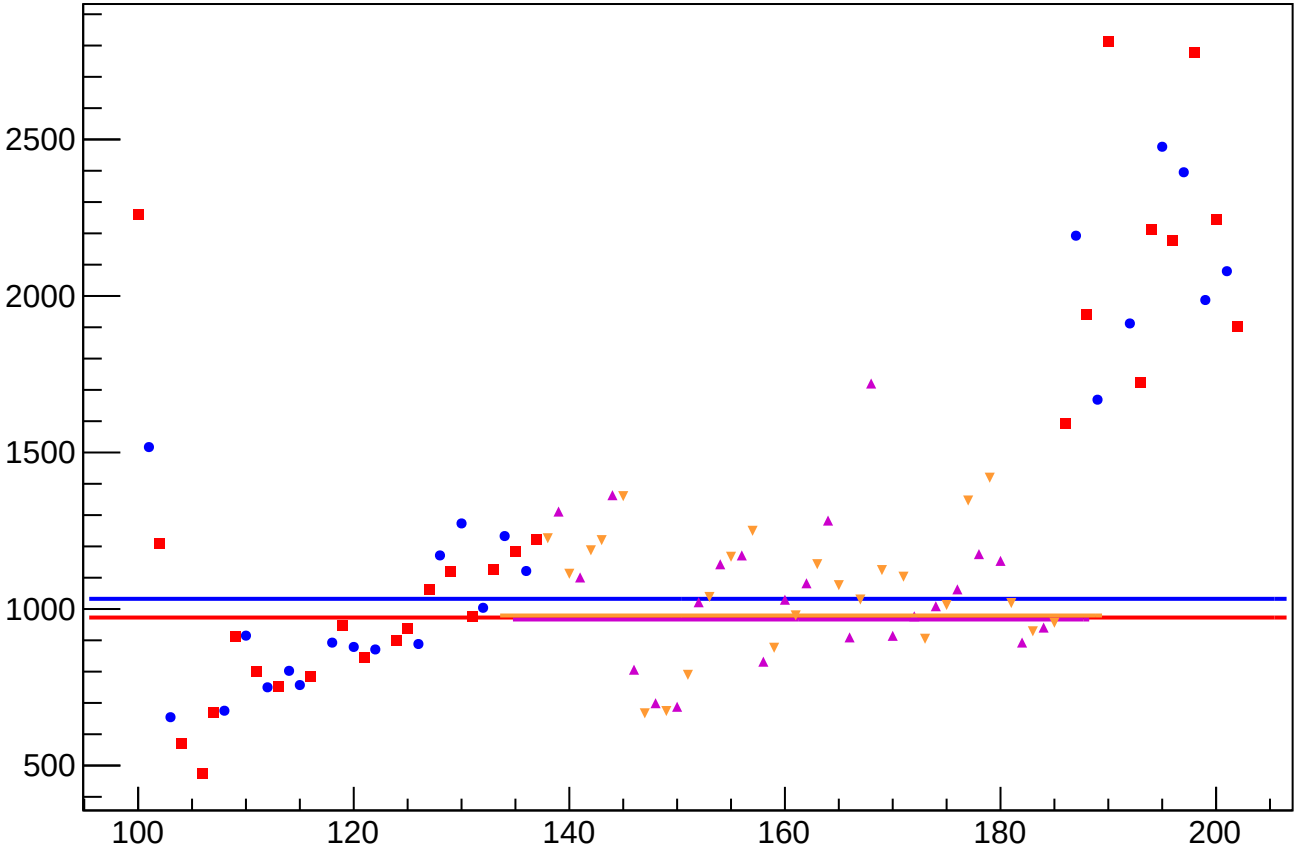
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -148.391+/-186.653 χ^2/NDF: 54.8/47

All: 31.607+/-130.092 χ^2/NDF: 99.5/98

- sign 201.642+/-181.414 χ^2/NDF: 42.9/50

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1032.541+/-0.228 χ^2/NDF: 3707119.2/22

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

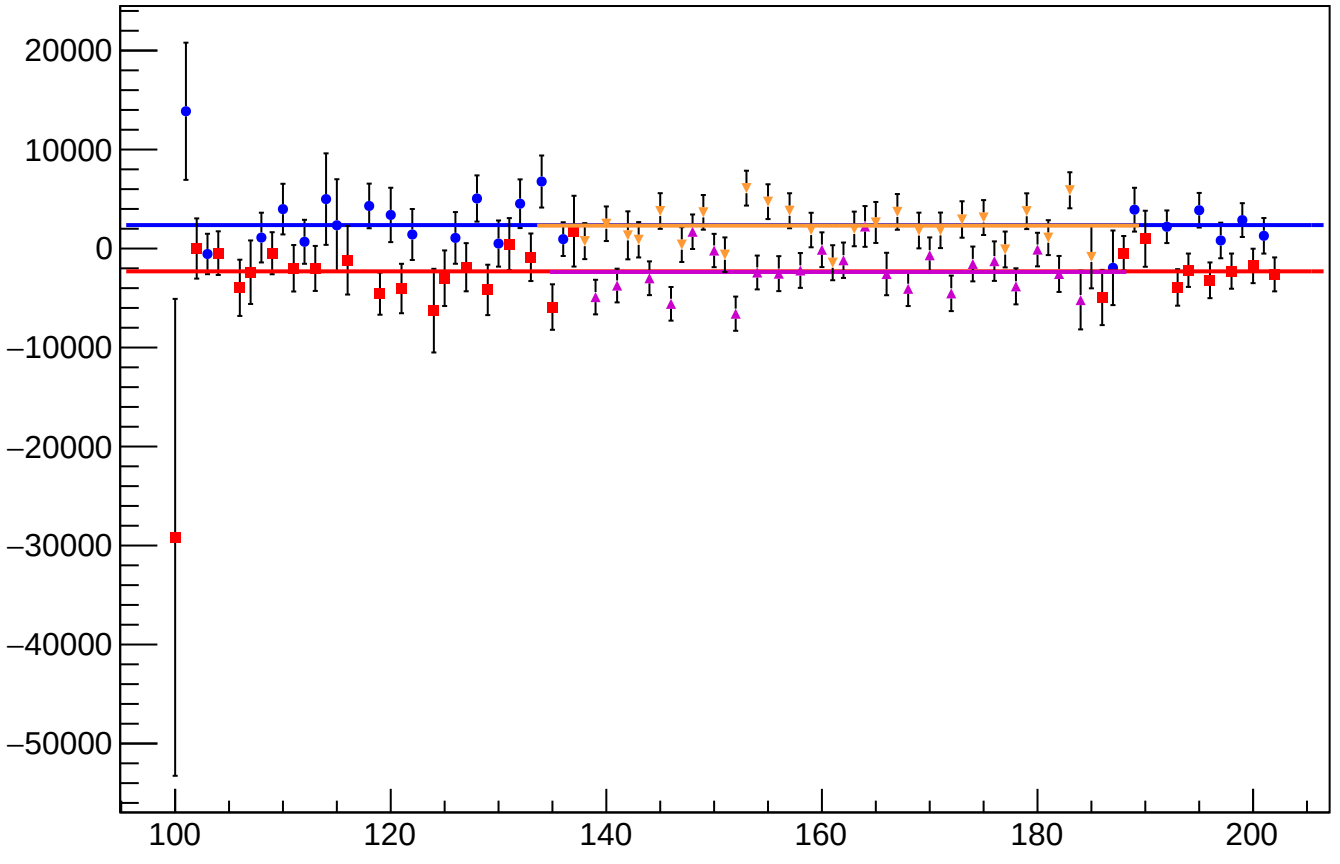
Right Out: 972.794+/-0.206 χ^2/NDF: 5501134.5/27

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 997.206+/-0.132 χ^2/NDF: 5374074.9/47

All: 982.680+/-0.092 χ^2/NDF: 12501927.1/98

- sign 968.958+/-0.128 χ^2/NDF: 7104297.7/50



Right In: 2369.401+/-473.996 χ^2/NDF: 17.6/22

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2303.373+/-437.845 χ^2/NDF: 16.6/27

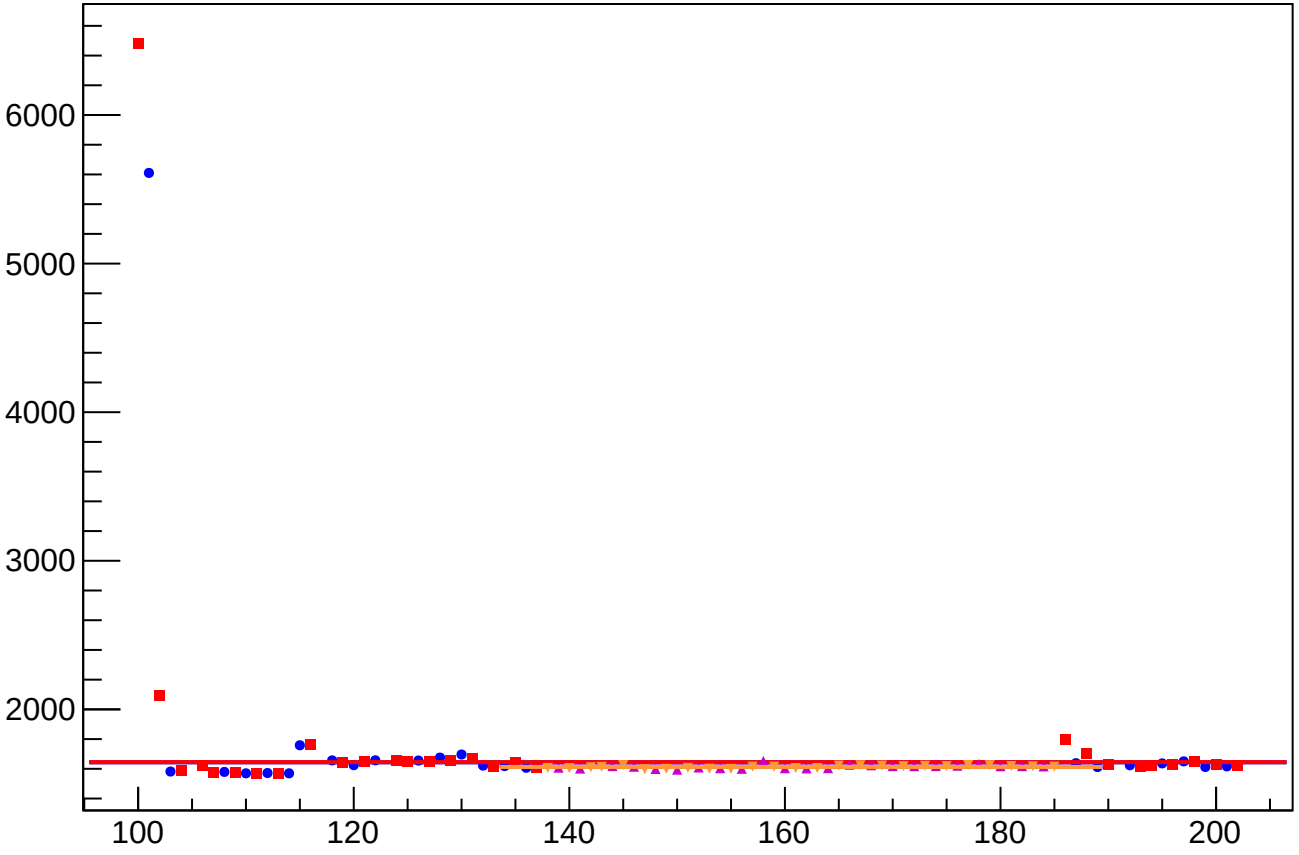
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.113+/-289.839 χ^2/NDF: 45.1/47

All: -35.943+/-203.432 χ^2/NDF: 227.8/98

- sign -2342.053+/-285.601 χ^2/NDF: 50.4/50

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1643.437+/-0.335 χ^2/NDF: 668982.1/22

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.876+/-0.310 χ^2/NDF: 145930.7/27

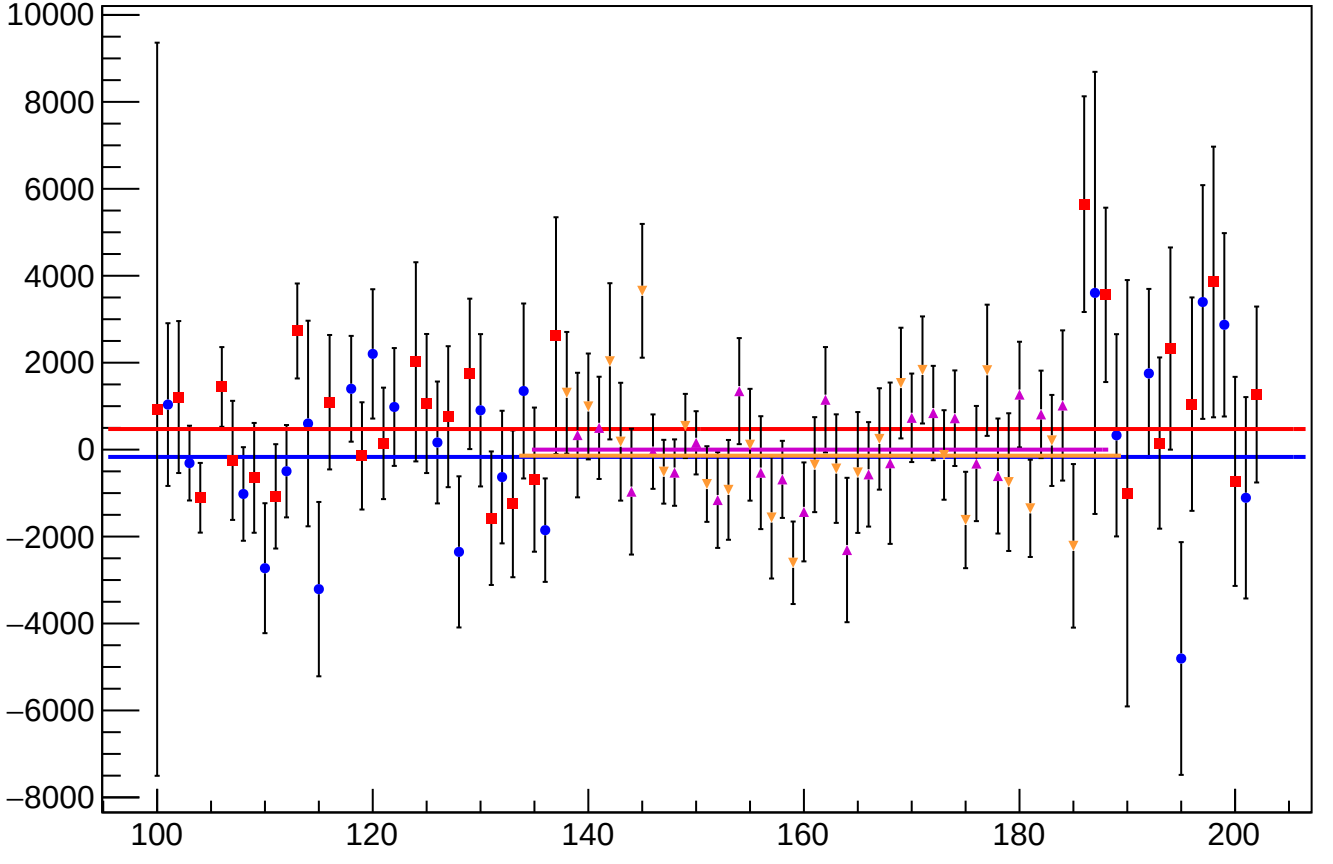
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.135+/-0.205 χ^2/NDF: 675451.8/47

All: 1625.598+/-0.144 χ^2/NDF: 829628.5/98

- sign 1627.018+/-0.202 χ^2/NDF: 154076.2/50

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -168.065+/-321.788 χ^2/NDF: 24.7/22

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

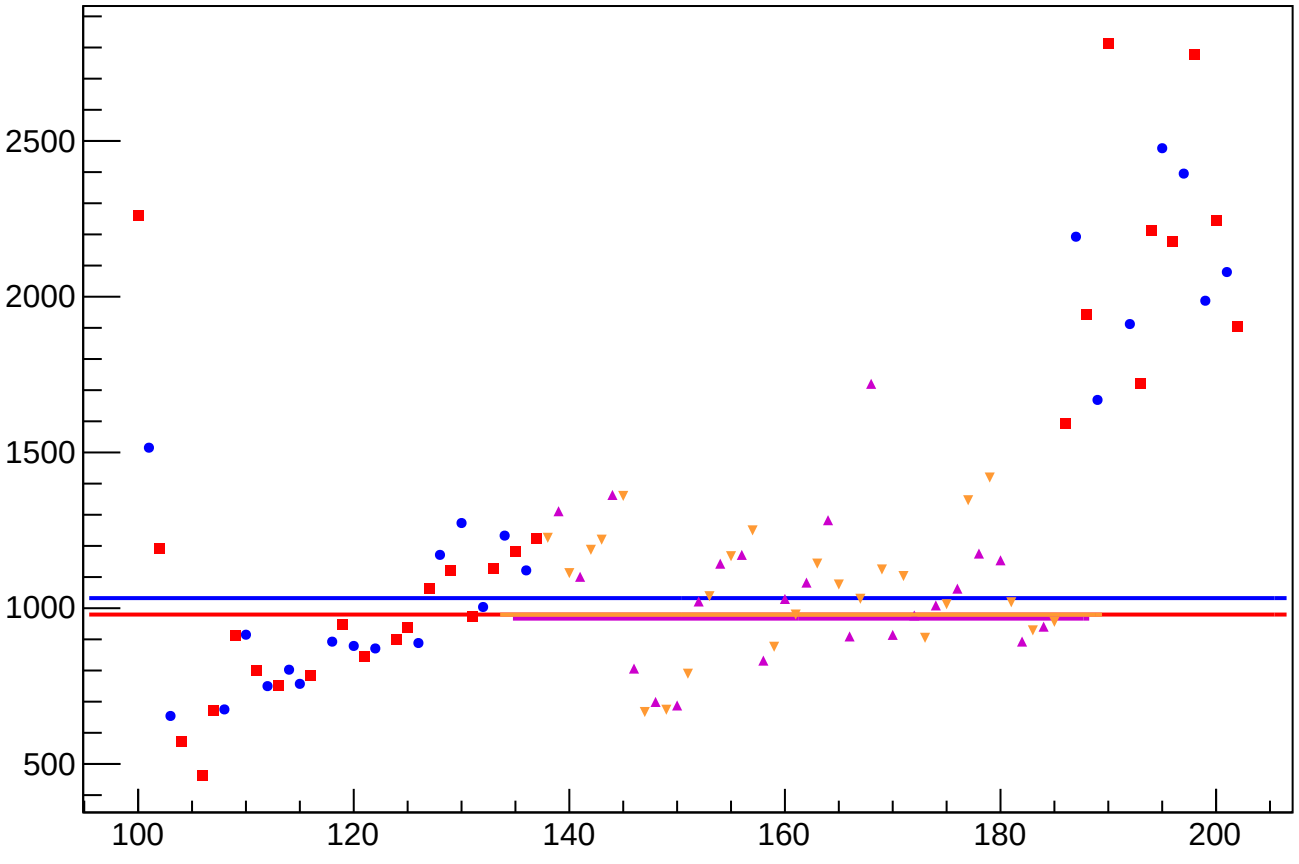
Right Out: 474.030+/-293.462 χ^2/NDF: 26.9/27

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -148.827+/-186.645 χ^2/NDF: 54.8/47

All: 20.936+/-130.286 χ^2/NDF: 97.8/98

- sign 182.267+/-181.950 χ^2/NDF: 41.3/50



Right In: 1032.420+/-0.228 χ^2/NDF: 3707468.9/22

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 979.632+/-0.208 χ^2/NDF: 5427212.9/27

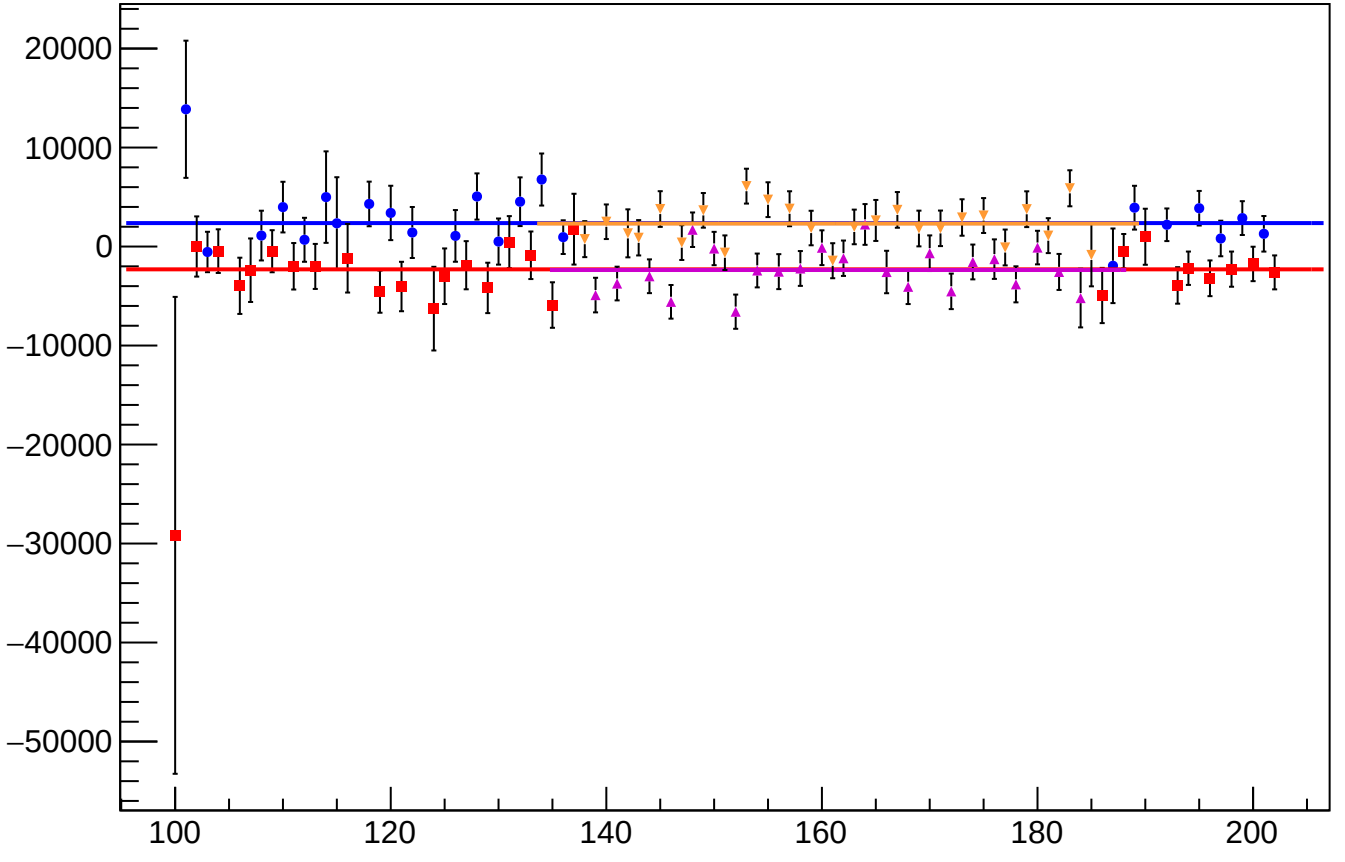
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 997.164+/-0.132 χ^2/NDF: 5374382.2/47

All: 984.040+/-0.092 χ^2/NDF: 12425896.5/98

- sign 971.567+/-0.129 χ^2/NDF: 7032228.6/50

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2369.401+/-473.996 χ^2/NDF: 17.6/22

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2303.373+/-437.845 χ^2/NDF: 16.6/27

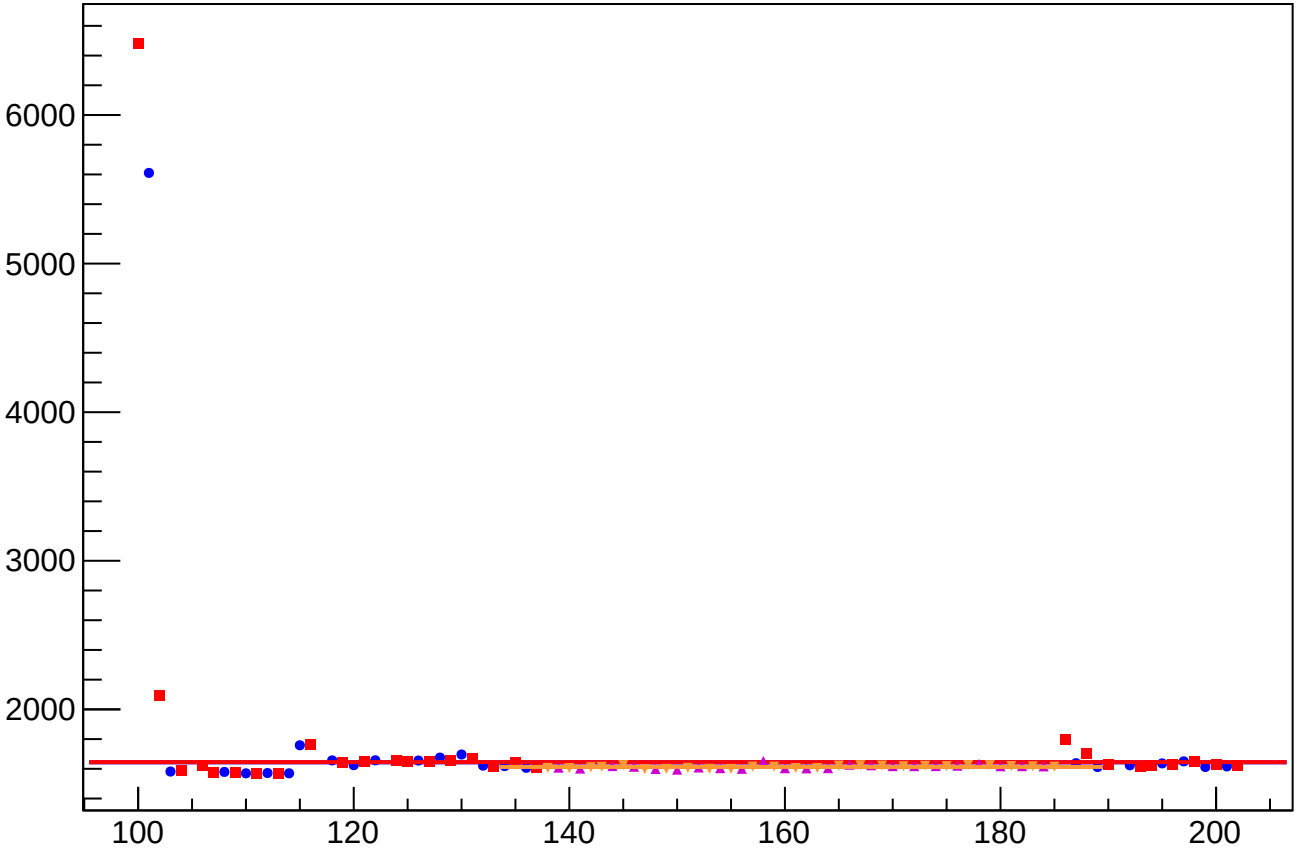
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.113+/-289.839 χ^2/NDF: 45.1/47

All: -35.943+/-203.432 χ^2/NDF: 227.8/98

- sign -2342.053+/-285.601 χ^2/NDF: 50.4/50

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1643.437+/-0.335 χ^2/NDF: 668982.1/22

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

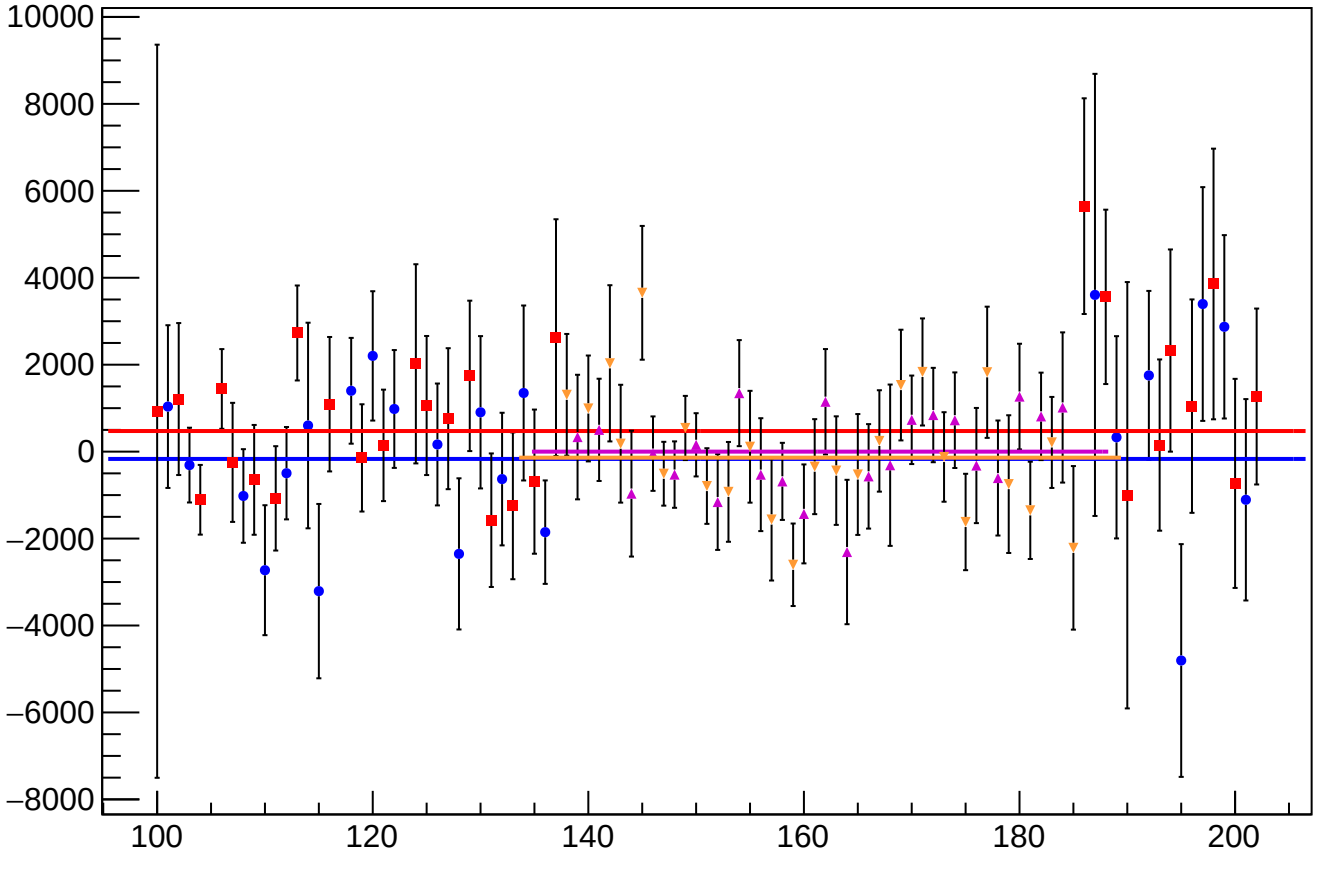
Right Out: 1644.876+/-0.310 χ^2/NDF: 145930.7/27

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.135+/-0.205 χ^2/NDF: 675451.8/47

All: 1625.598+/-0.144 χ^2/NDF: 829628.5/98

- sign 1627.018+/-0.202 χ^2/NDF: 154076.2/50



Right In: -168.065+/-321.788 χ^2/NDF: 24.7/22

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

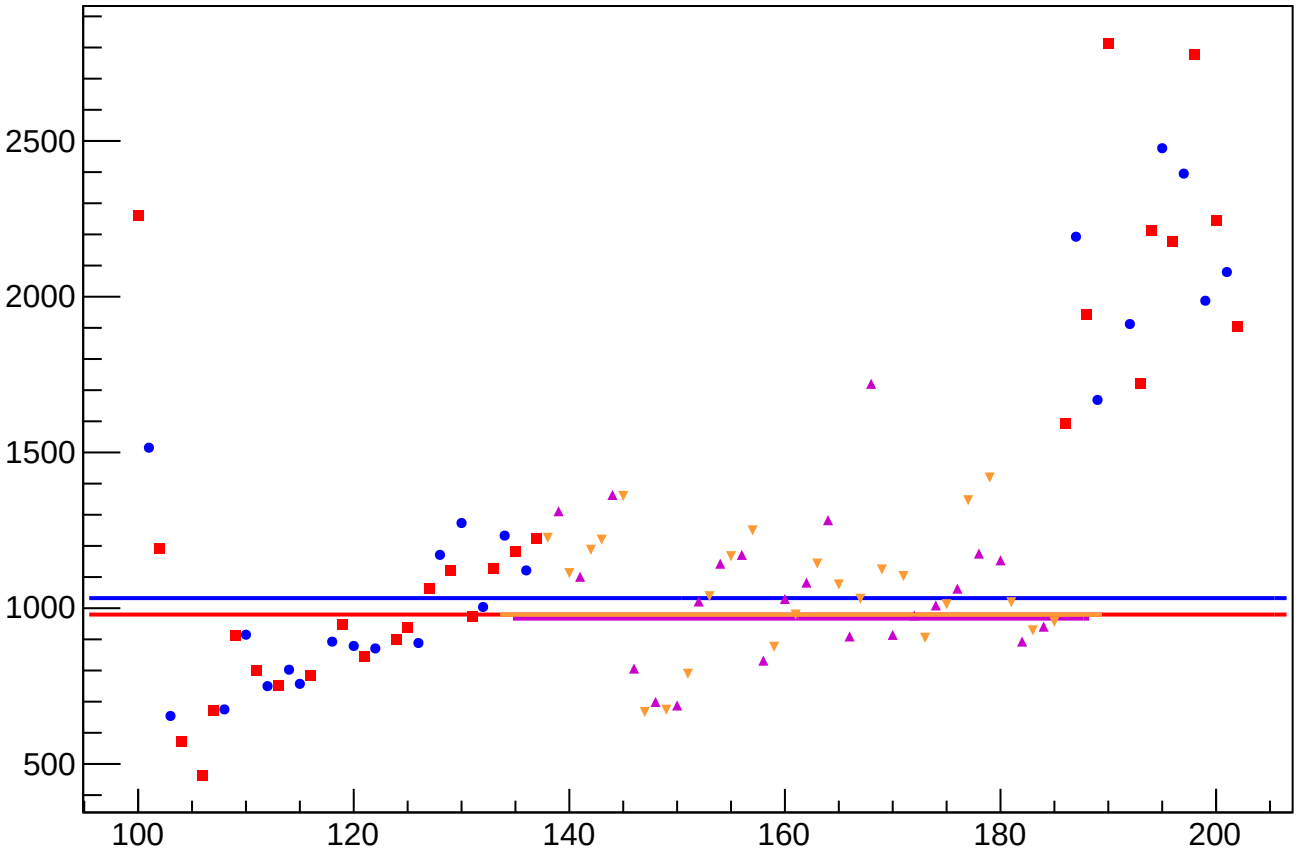
Right Out: 474.030+/-293.462 χ^2/NDF: 26.9/27

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -148.827+/-186.645 χ^2/NDF: 54.8/47

All: 20.936+/-130.286 χ^2/NDF: 97.8/98

- sign 182.267+/-181.950 χ^2/NDF: 41.3/50



Right In: 1032.420+/-0.228 χ^2/NDF: 3707468.9/22

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 979.632+/-0.208 χ^2/NDF: 5427212.9/27

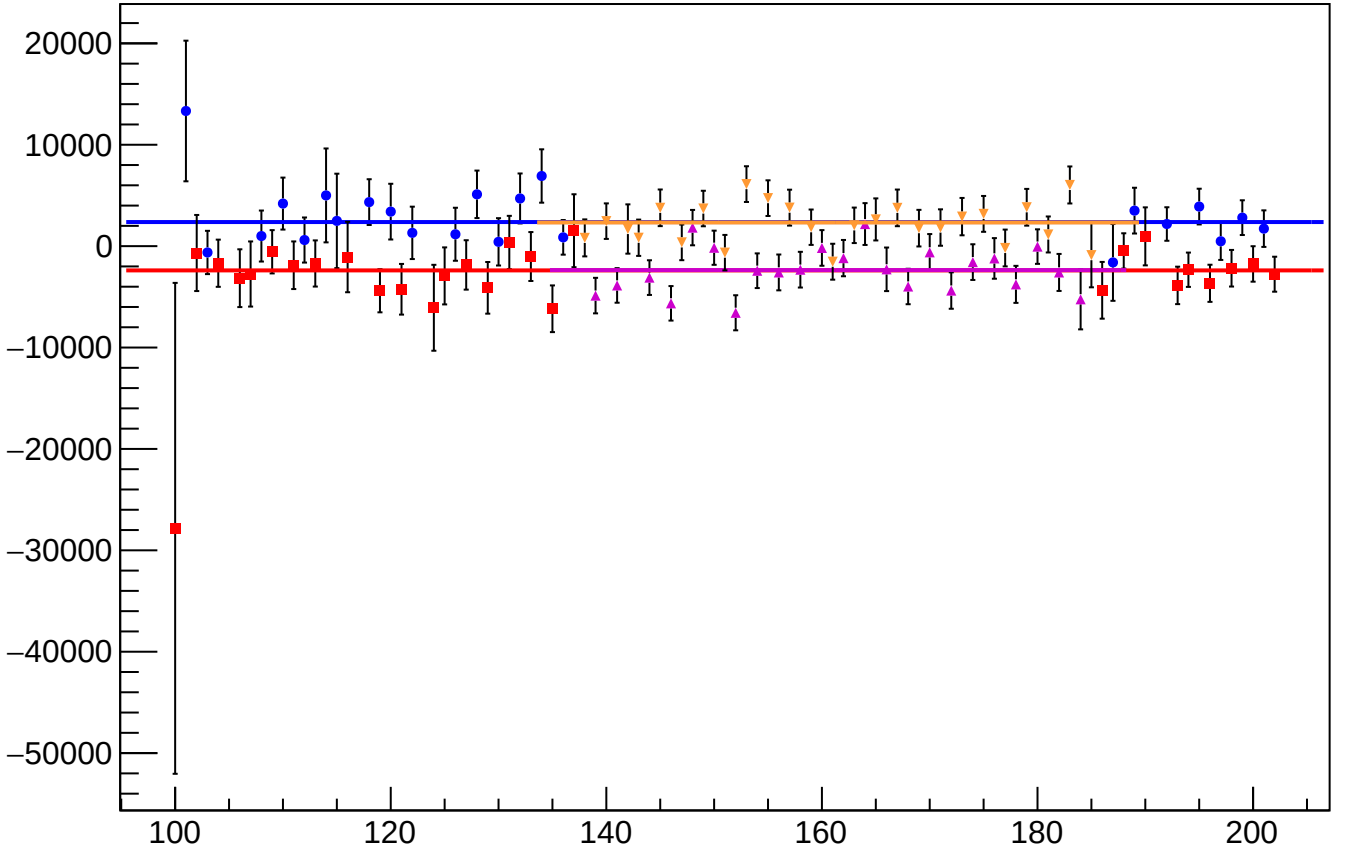
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 997.164+/-0.132 χ^2/NDF: 5374382.2/47

All: 984.040+/-0.092 χ^2/NDF: 12425896.5/98

- sign 971.567+/-0.129 χ^2/NDF: 7032228.6/50

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2376.406+/-477.451 χ^2/NDF: 17.6/22

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2392.200+/-442.264 χ^2/NDF: 15.0/27

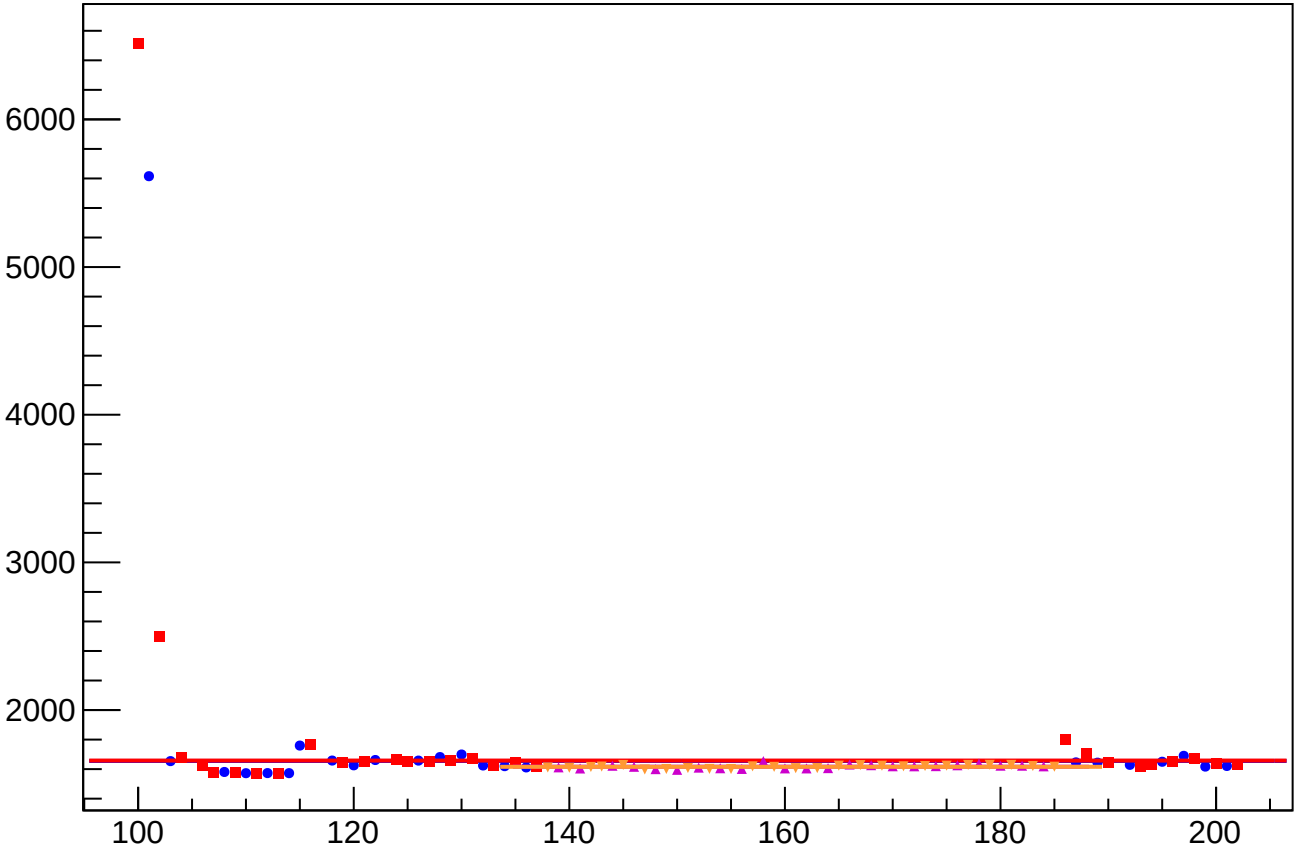
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2350.277+/-290.968 χ^2/NDF: 45.9/47

All: -43.478+/-204.358 χ^2/NDF: 228.4/98

- sign -2373.735+/-287.083 χ^2/NDF: 49.0/50

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1655.317+/-0.338 χ^2/NDF: 666526.9/22

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

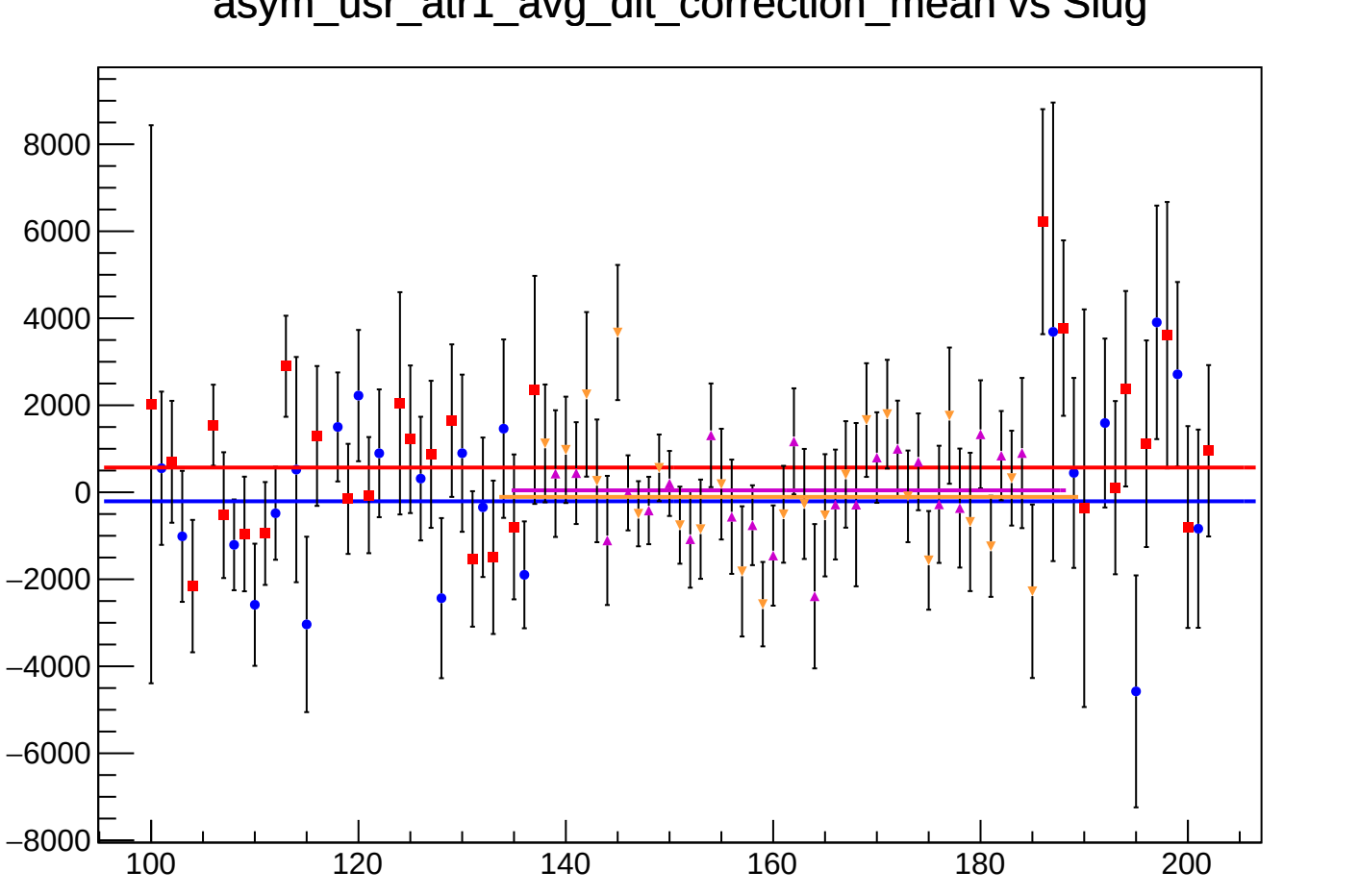
Right Out: 1657.830+/-0.313 χ^2/NDF: 202460.1/27

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.371+/-0.206 χ^2/NDF: 676659.2/47

All: 1632.126+/-0.145 χ^2/NDF: 891995.8/98

- sign 1633.834+/-0.203 χ^2/NDF: 215193.0/50



Right In: -207.109+/-341.163 χ^2/NDF: 24.4/22

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 569.041+/-312.492 χ^2/NDF: 27.4/27

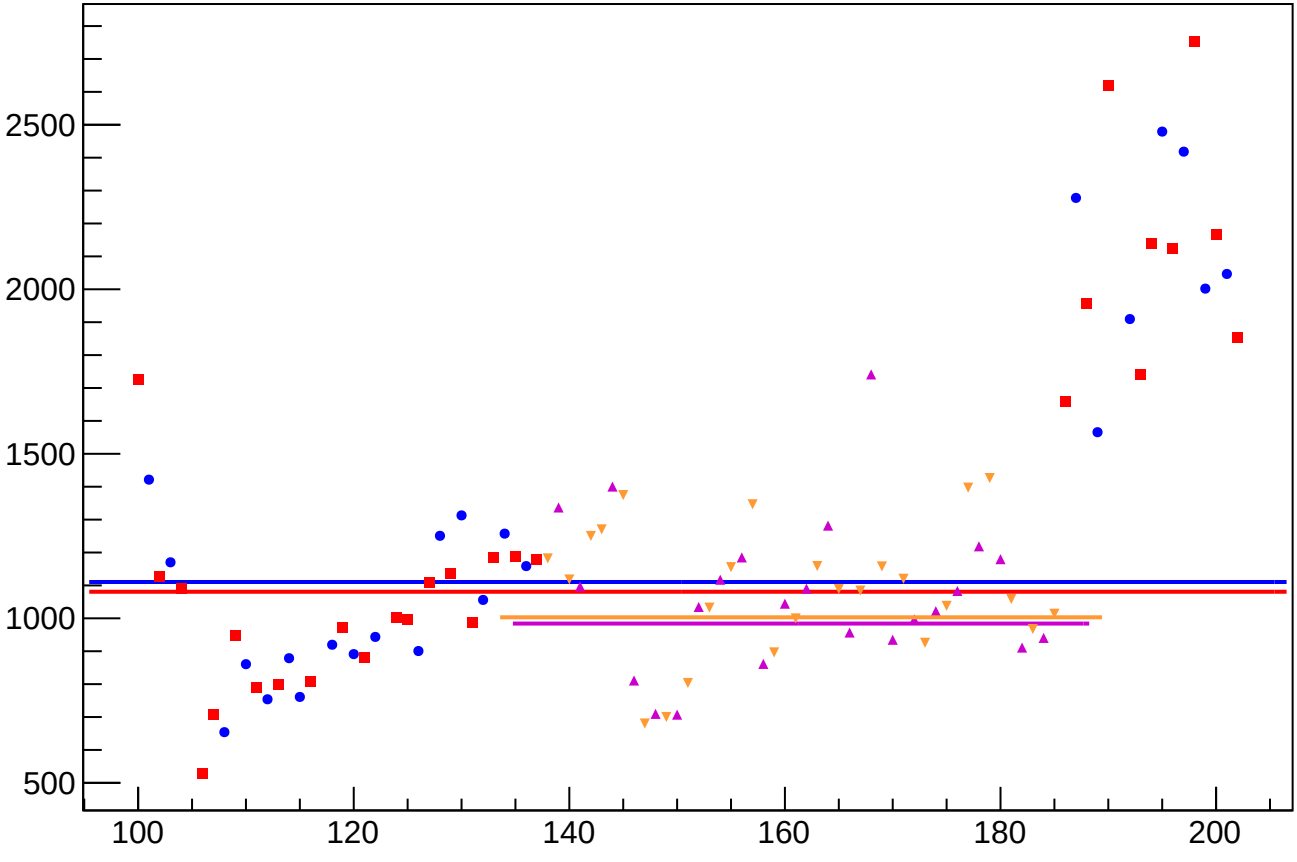
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -138.635+/-193.142 χ^2/NDF: 53.5/47

All: 52.889+/-134.788 χ^2/NDF: 97.4/98

- sign 234.720+/-188.191 χ^2/NDF: 42.0/50

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1110.429+/-0.241 χ^2/NDF: 3237333.2/22

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1080.765+/-0.221 χ^2/NDF: 4370221.7/27

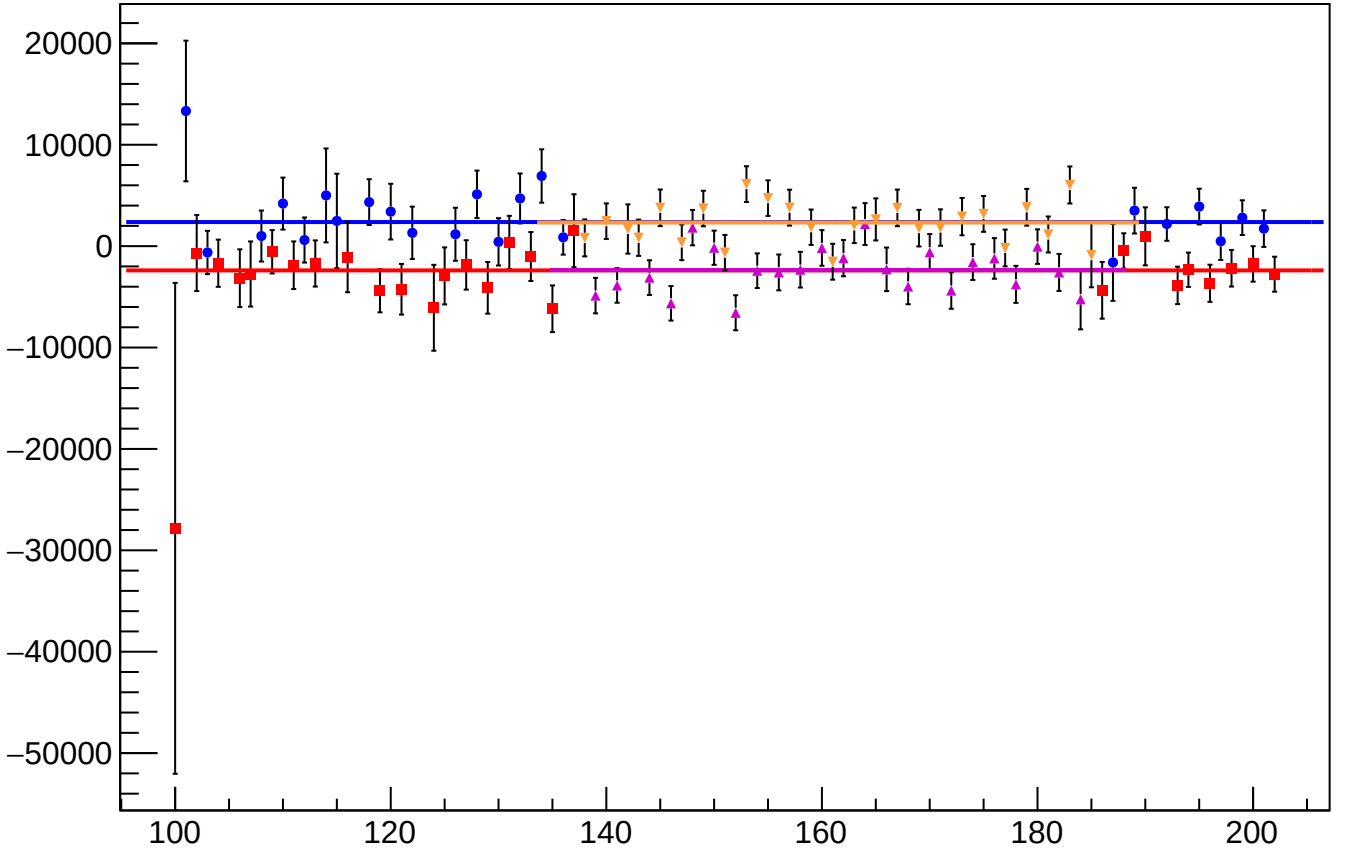
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1037.500+/-0.137 χ^2/NDF: 4970247.2/47

All: 1028.076+/-0.095 χ^2/NDF: 11031399.8/9

- sign 1019.129+/-0.133 χ^2/NDF: 6051870.7/50

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2376.405+/-477.450 χ^2/NDF: 17.6/22

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2392.197+/-442.264 χ^2/NDF: 15.0/27

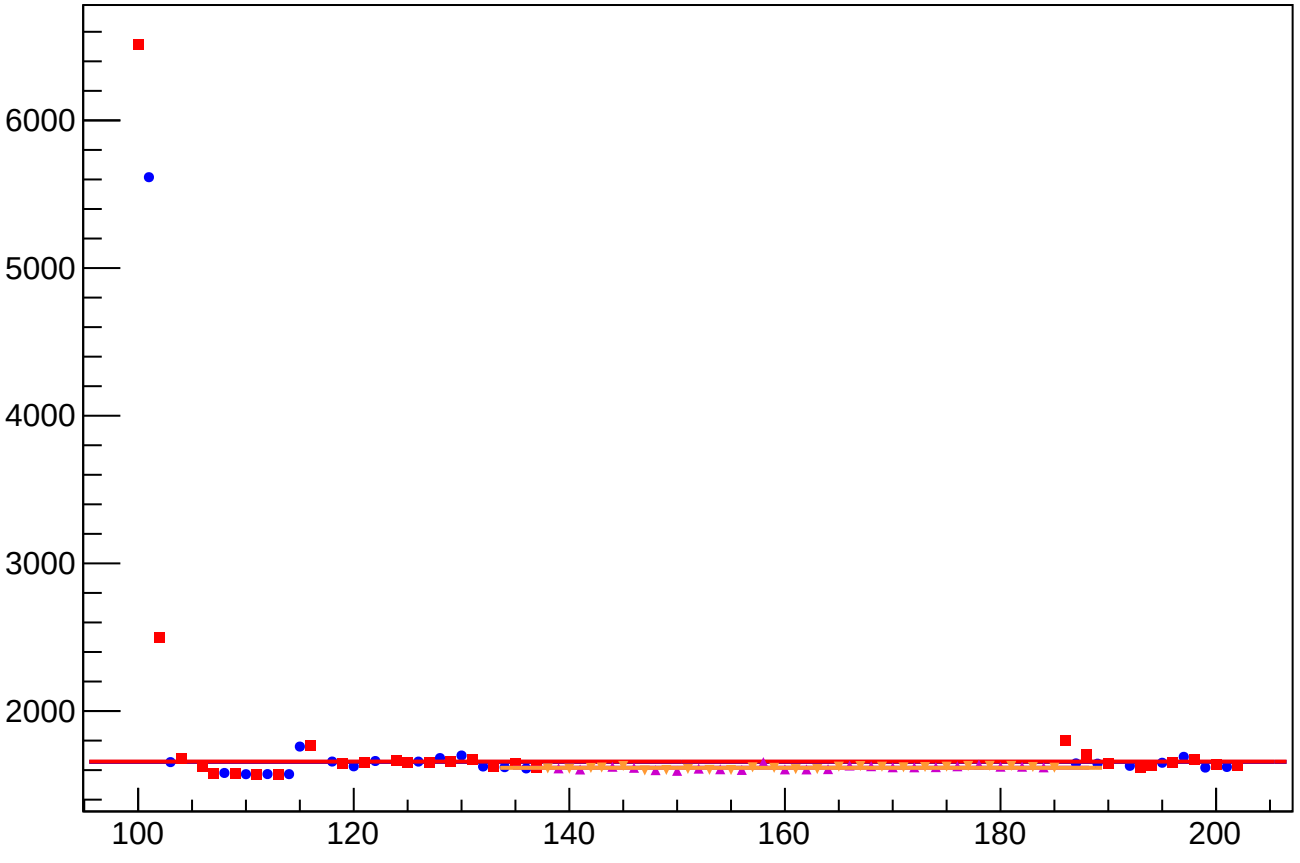
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2350.277+/-290.968 χ^2/NDF: 45.9/47

All: -43.478+/-204.358 χ^2/NDF: 228.4/98

- sign -2373.734+/-287.083 χ^2/NDF: 49.0/50

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1655.317+/-0.338 χ^2/NDF: 666526.9/22

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

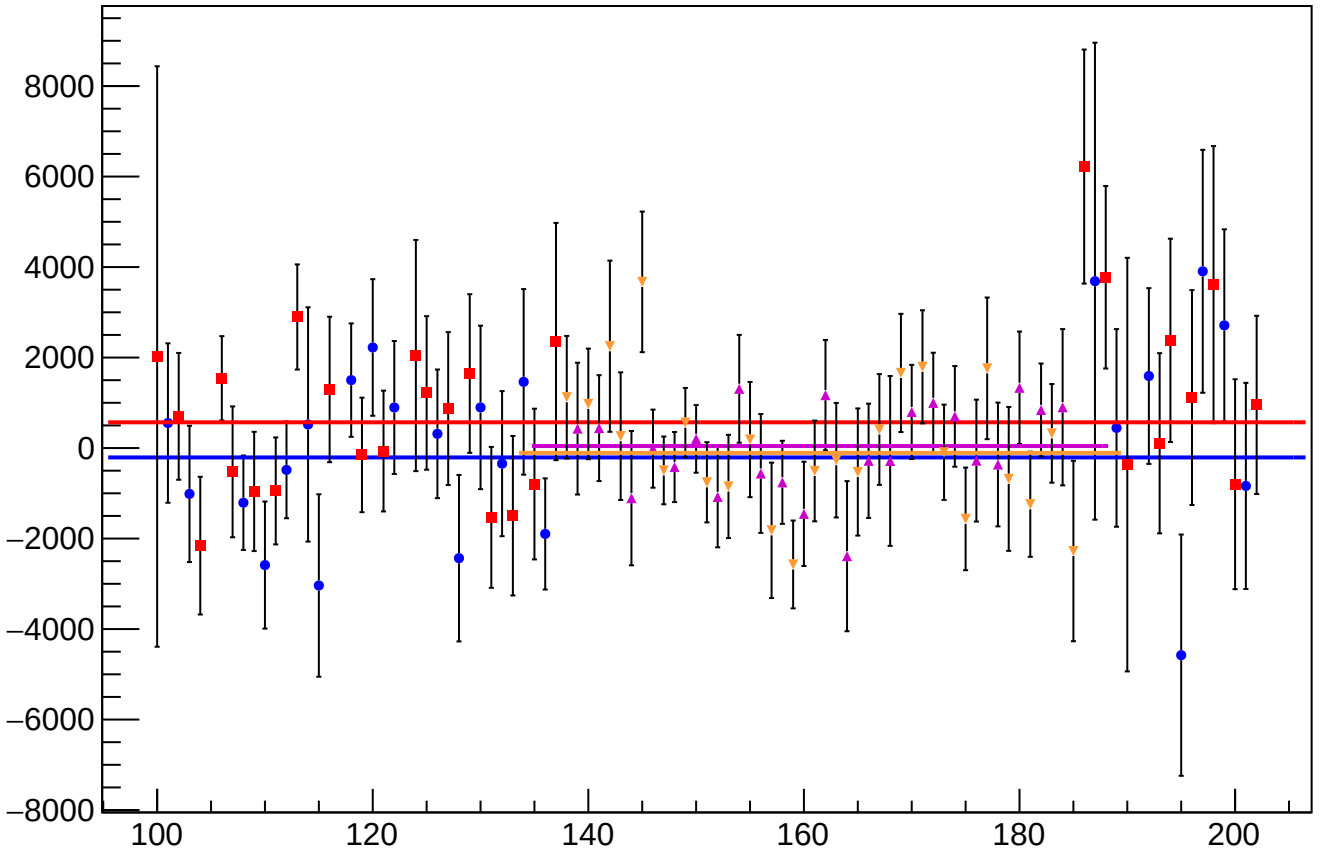
Right Out: 1657.830+/-0.313 χ^2/NDF: 202460.0/27

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.371+/-0.206 χ^2/NDF: 676659.2/47

All: 1632.126+/-0.145 χ^2/NDF: 891995.5/98

- sign 1633.834+/-0.203 χ^2/NDF: 215192.8/50



Right In: -207.110+/-341.162 χ^2/NDF: 24.4/22

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

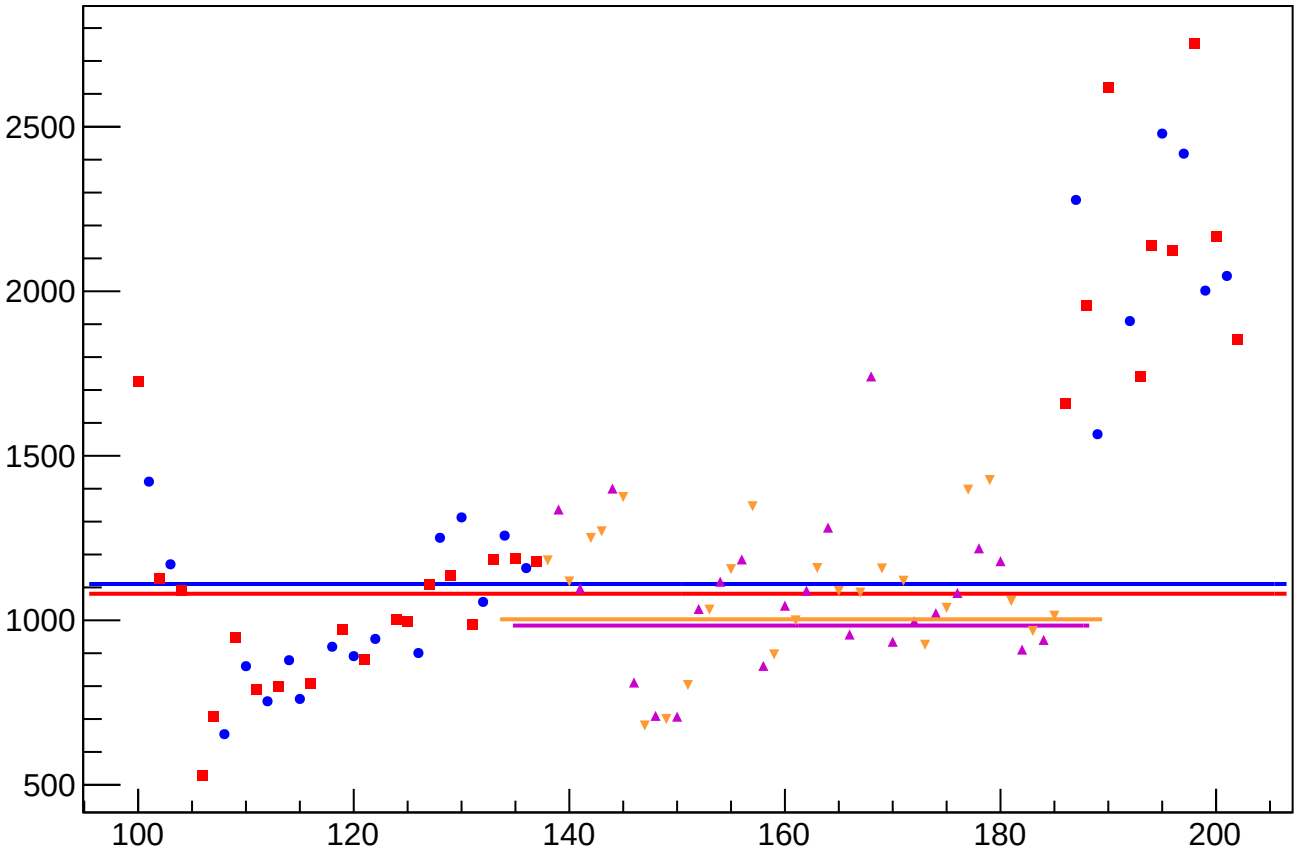
Right Out: 569.039+/-312.491 χ^2/NDF: 27.4/27

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -138.637+/-193.142 χ^2/NDF: 53.5/47

All: 52.888+/-134.788 χ^2/NDF: 97.4/98

- sign 234.720+/-188.191 χ^2/NDF: 42.0/50



Right In: 1110.424+/-0.241 χ^2/NDF: 3237368.5/22

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1080.762+/-0.221 χ^2/NDF: 4370247.3/27

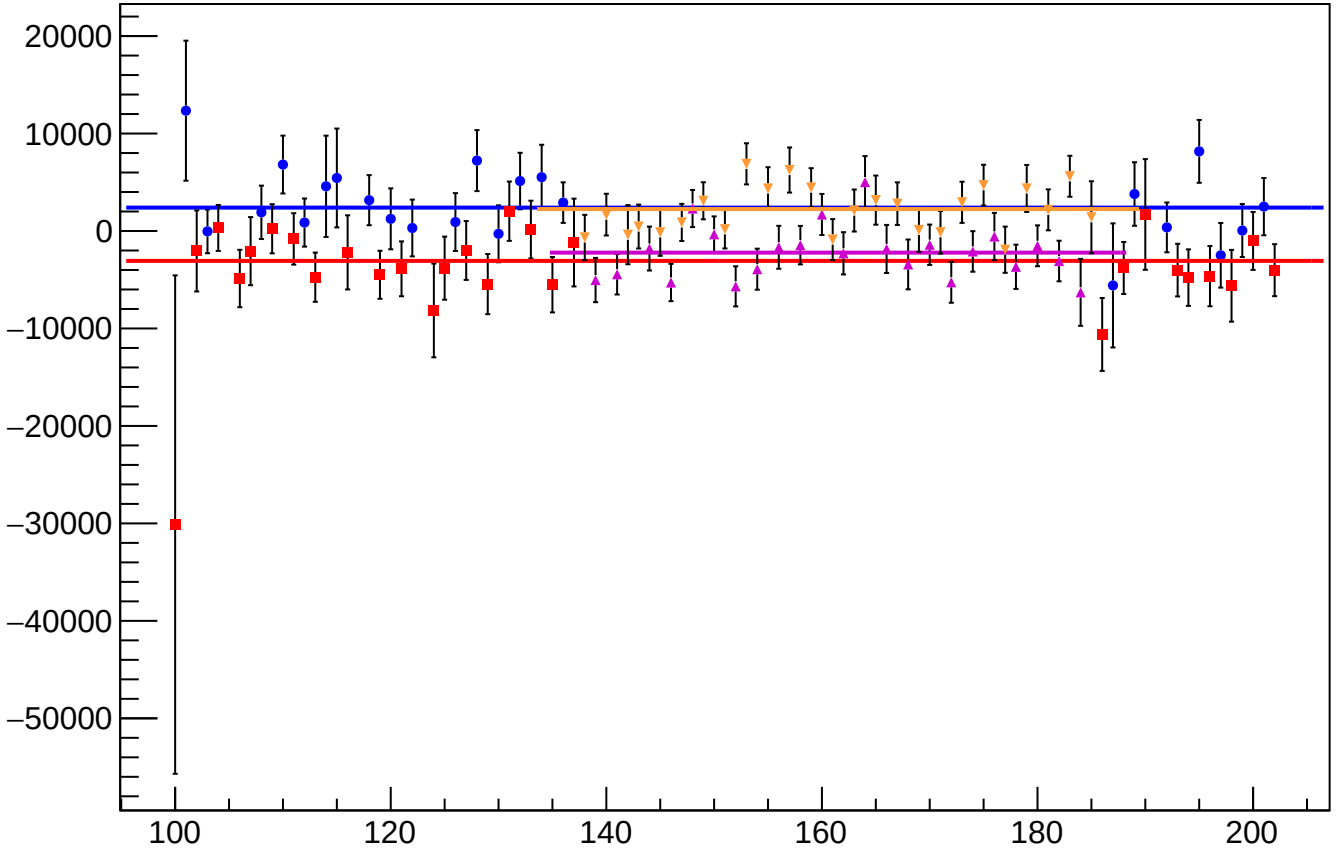
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1037.500+/-0.137 χ^2/NDF: 4970269.0/47

All: 1028.076+/-0.095 χ^2/NDF: 11031436.9/9

- sign 1019.129+/-0.133 χ^2/NDF: 6051886.0/50

asym_usr_atr1_avg_mean vs Slug



Right In: 2400.606+/-624.839 χ^2/NDF: 20.8/22

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3066.227+/-583.696 χ^2/NDF: 20.5/27

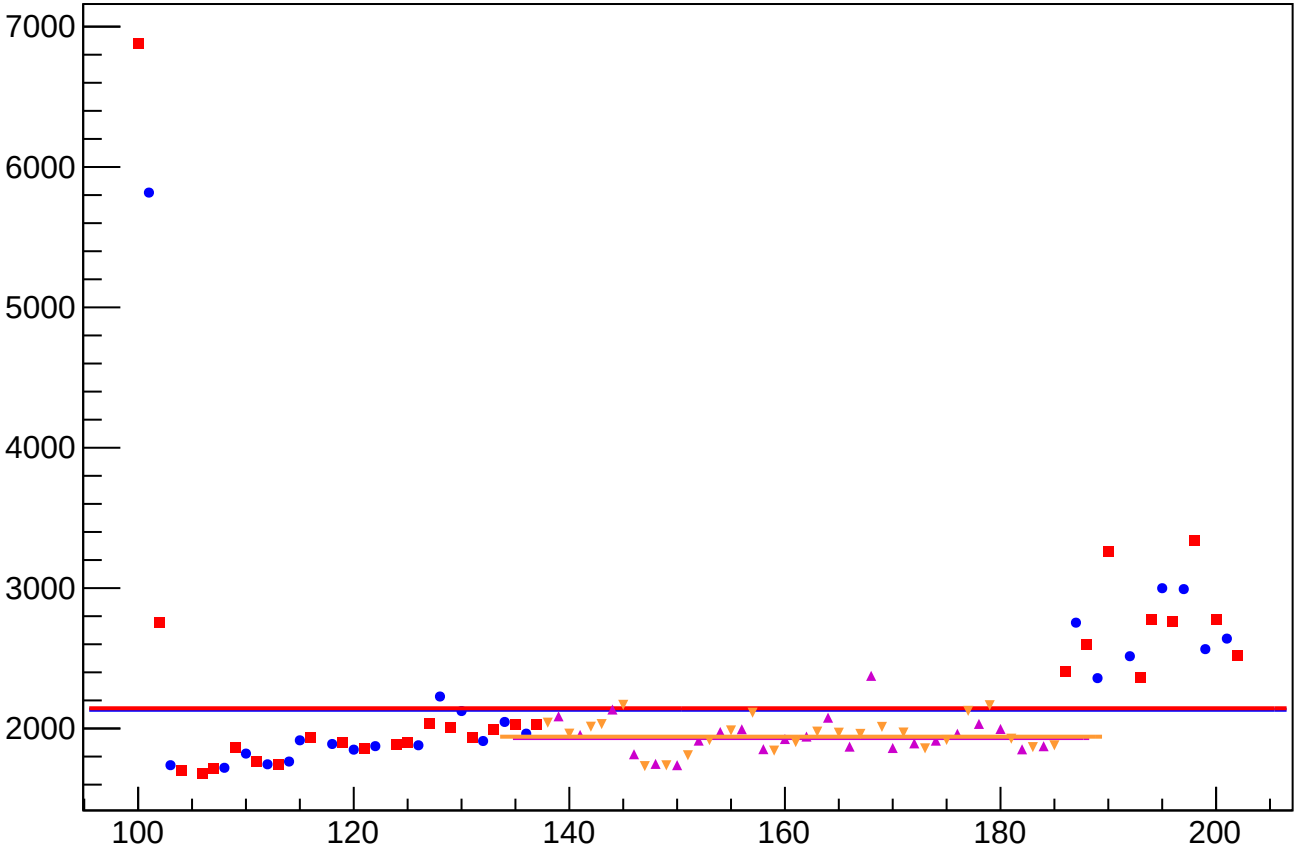
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2301.846+/-360.960 χ^2/NDF: 49.2/47

All: -140.816+/-254.011 χ^2/NDF: 193.2/98

- sign -2537.099+/-357.517 χ^2/NDF: 53.3/50

asym_usr_atr1_avg_rms vs Slug



Right In: 2133.304+/-0.442 χ^2/NDF: 1274704.8/22

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

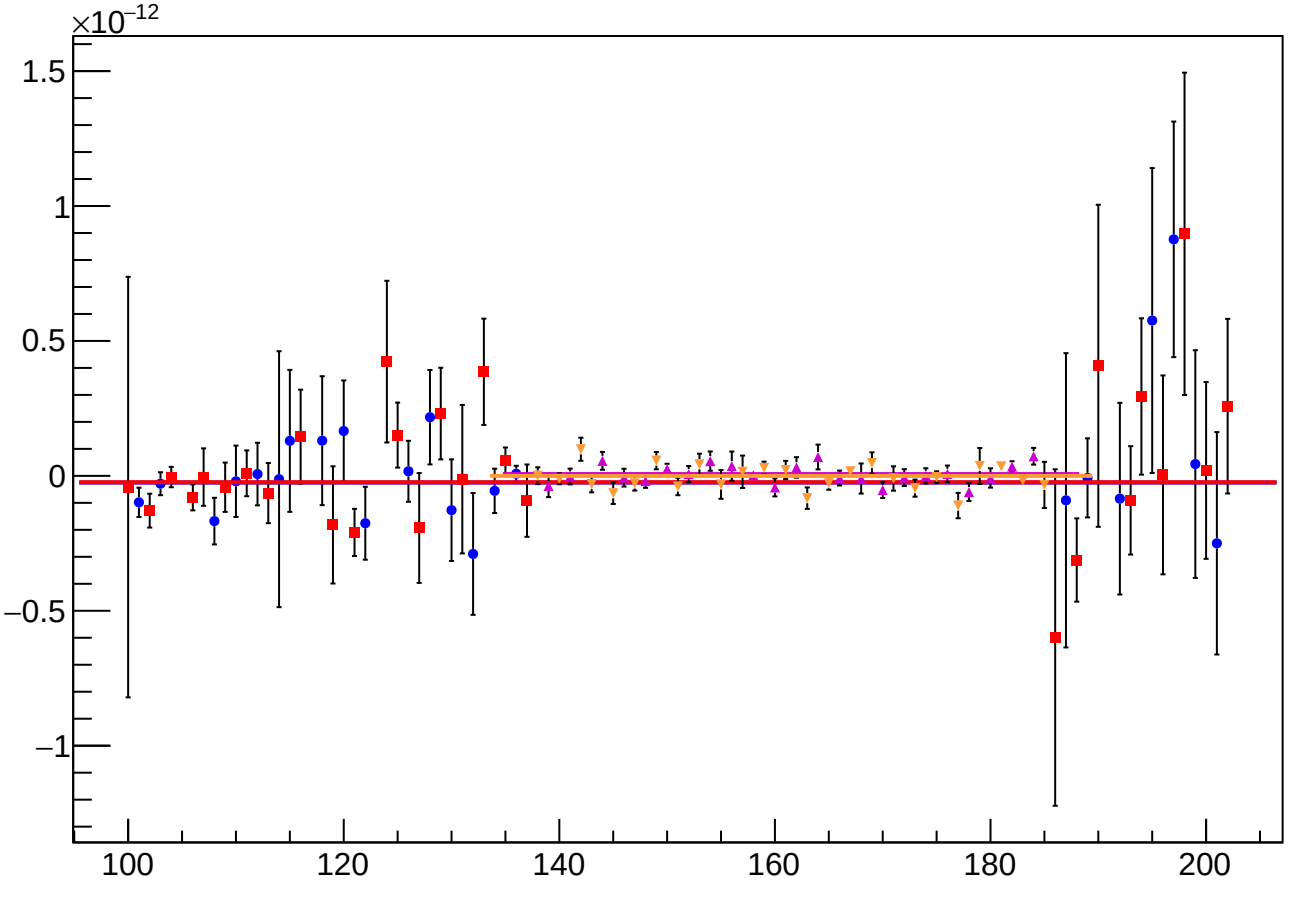
Right Out: 2144.042+/-0.413 χ^2/NDF: 1146460.6/27

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2005.564+/-0.255 χ^2/NDF: 1539172.0/47

All: 2008.527+/-0.180 χ^2/NDF: 3010986.5/98

- sign 2011.433+/-0.253 χ^2/NDF: 1471547.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

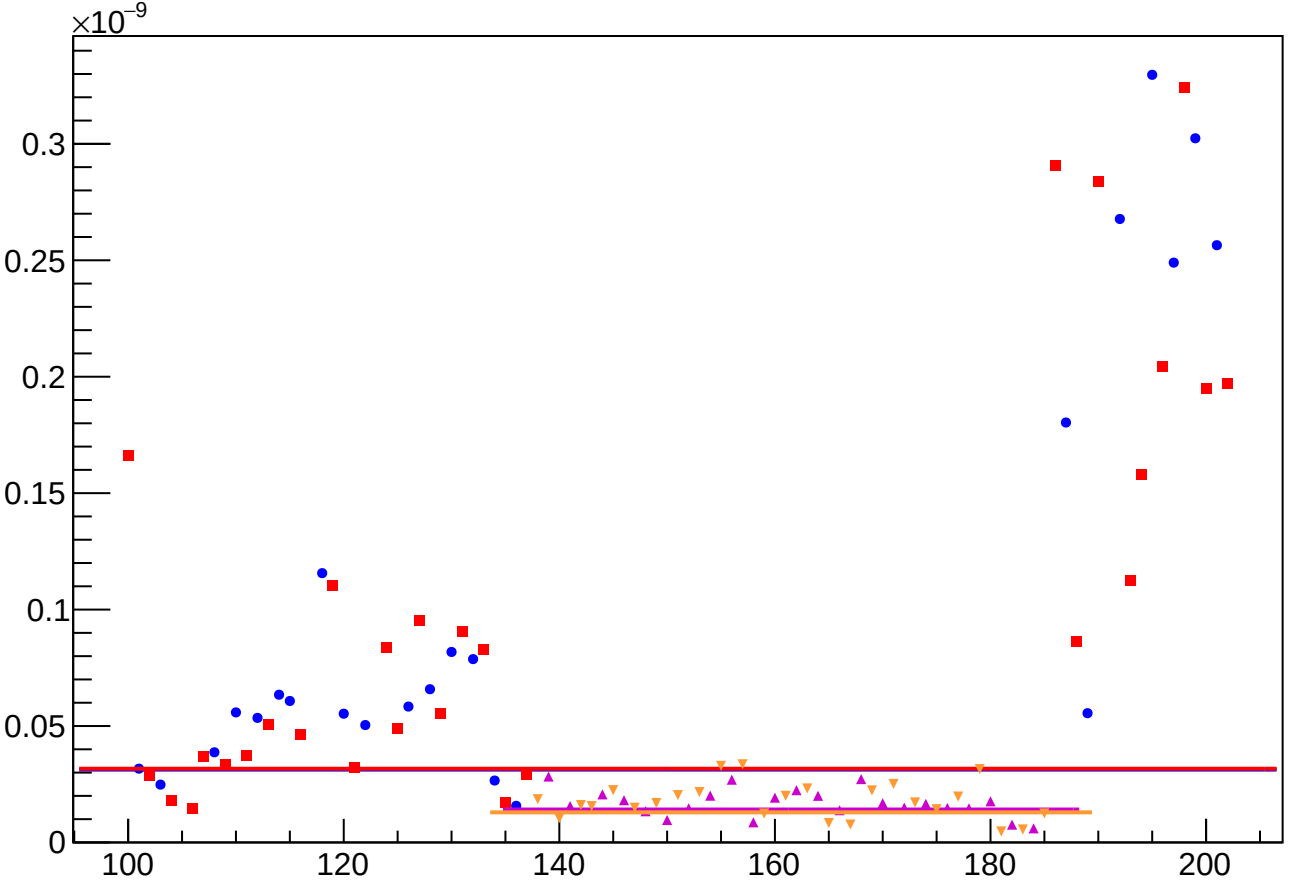
Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/27

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/47

All: 0.000+/-0.000 χ^2/NDF: 125.5/98

- sign 0.000+/-0.000 χ^2/NDF: 64.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 5111454.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5268430.0/27

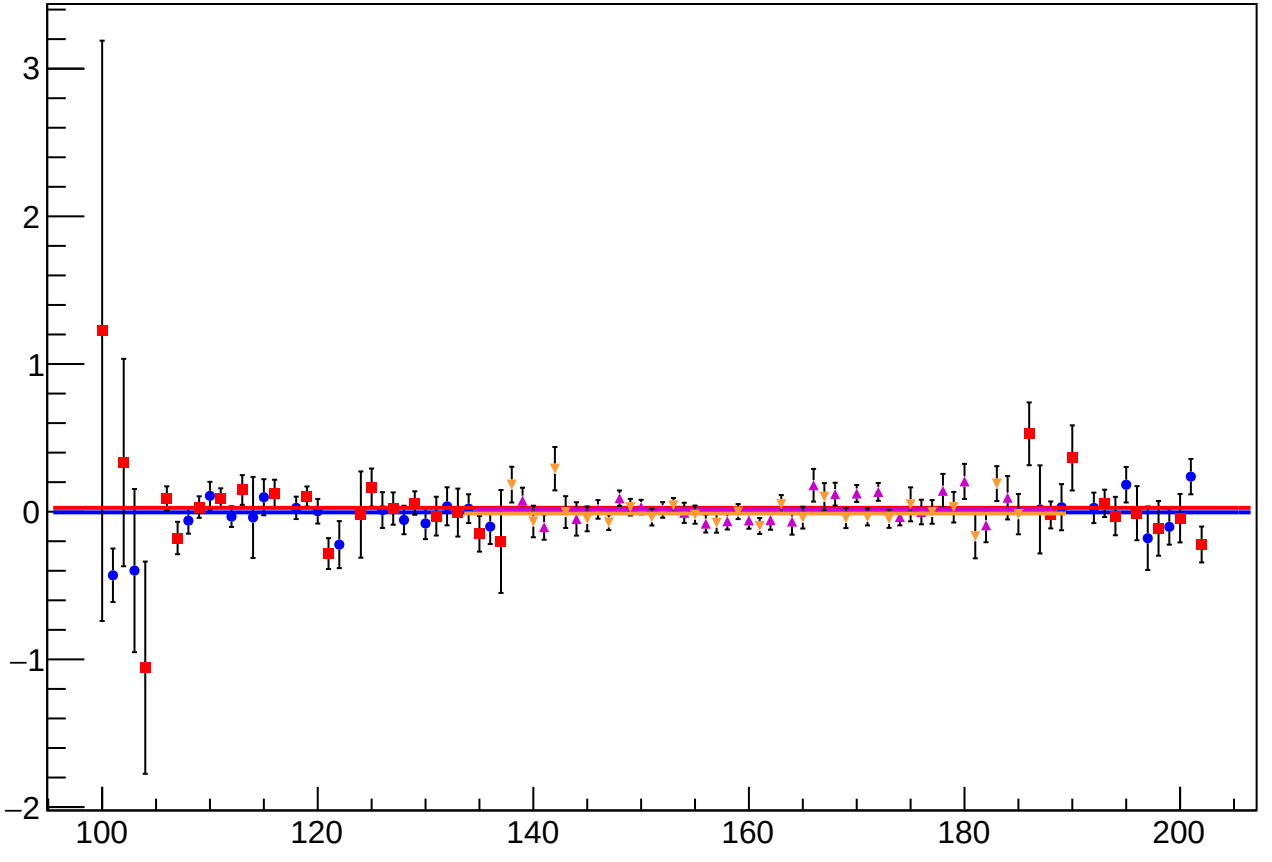
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9670504.5/47

All: 0.000+/-0.000 χ^2/NDF: 18062374.7/98

- sign 0.000+/-0.000 χ^2/NDF: 8335502.2/50

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 20.4/22

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.026+/-0.022 χ^2/NDF: 37.9/27

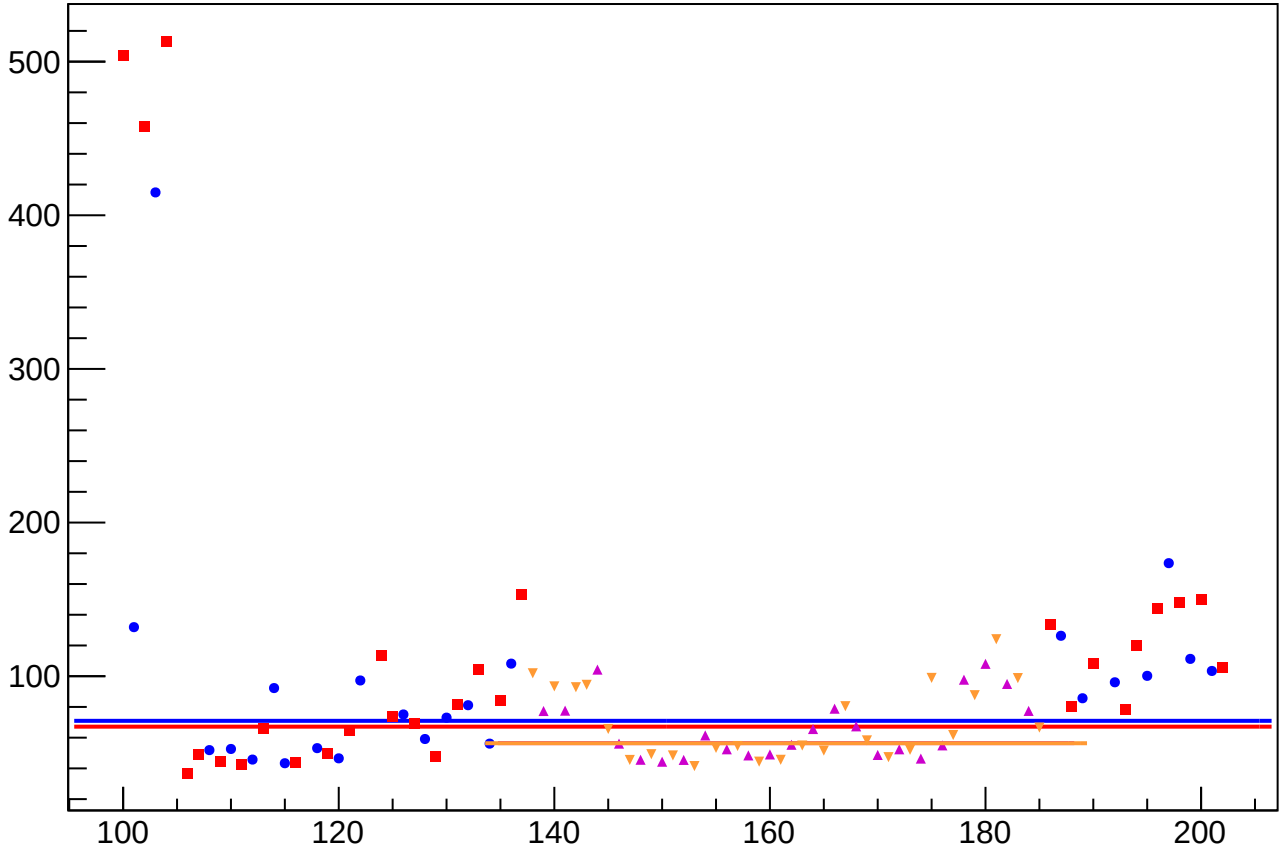
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.010+/-0.012 χ^2/NDF: 42.3/47

All: 0.005+/-0.009 χ^2/NDF: 113.9/98

- sign 0.020+/-0.012 χ^2/NDF: 68.6/50

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 70.957+/-0.017 χ^2/NDF: 3322190.4/22

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

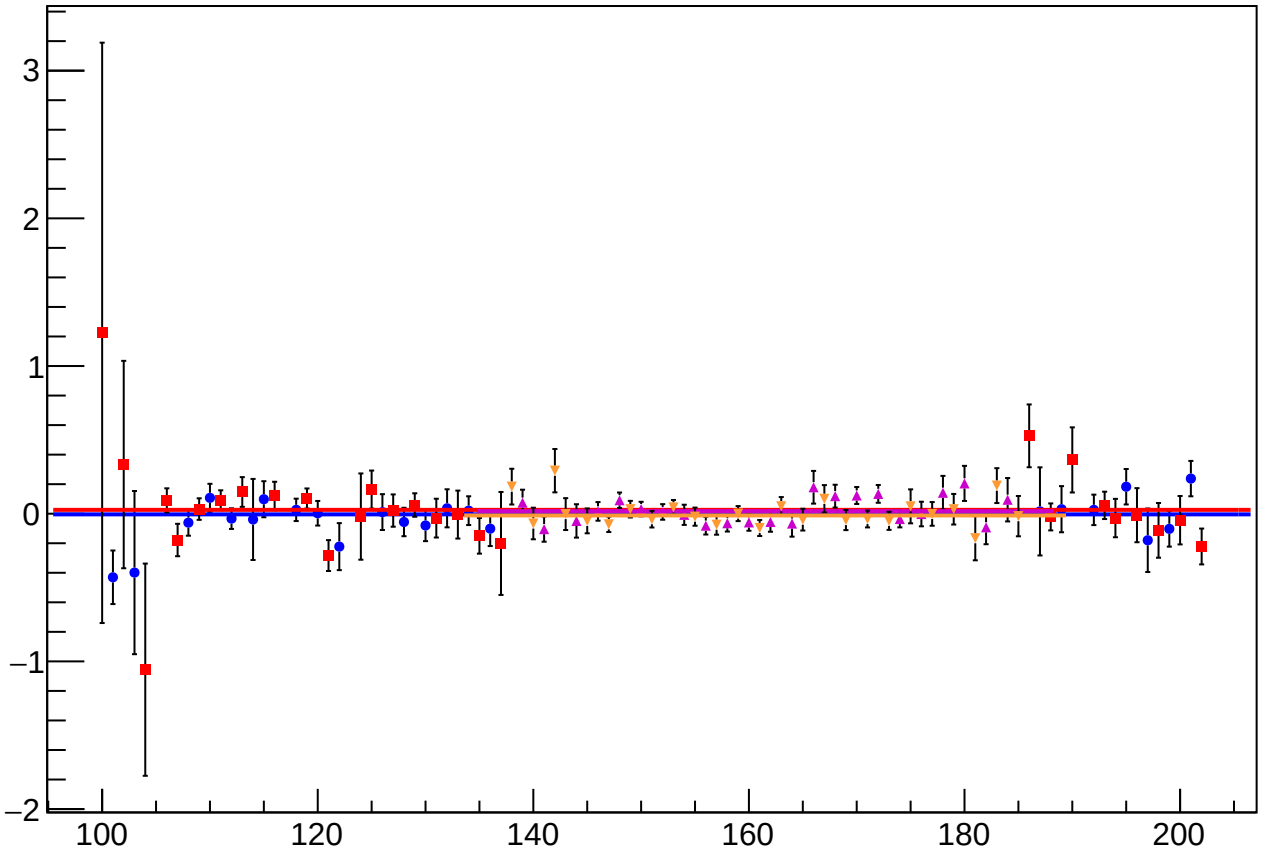
Right Out: 67.164+/-0.015 χ^2/NDF: 5119968.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.294+/-0.009 χ^2/NDF: 6677344.8/47

All: 60.042+/-0.006 χ^2/NDF: 14278880.3/98

- sign 59.800+/-0.008 χ^2/NDF: 7599879.7/50



Right In: -0.004+/-0.024 χ^2/NDF: 20.4/22

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.026+/-0.022 χ^2/NDF: 37.9/27

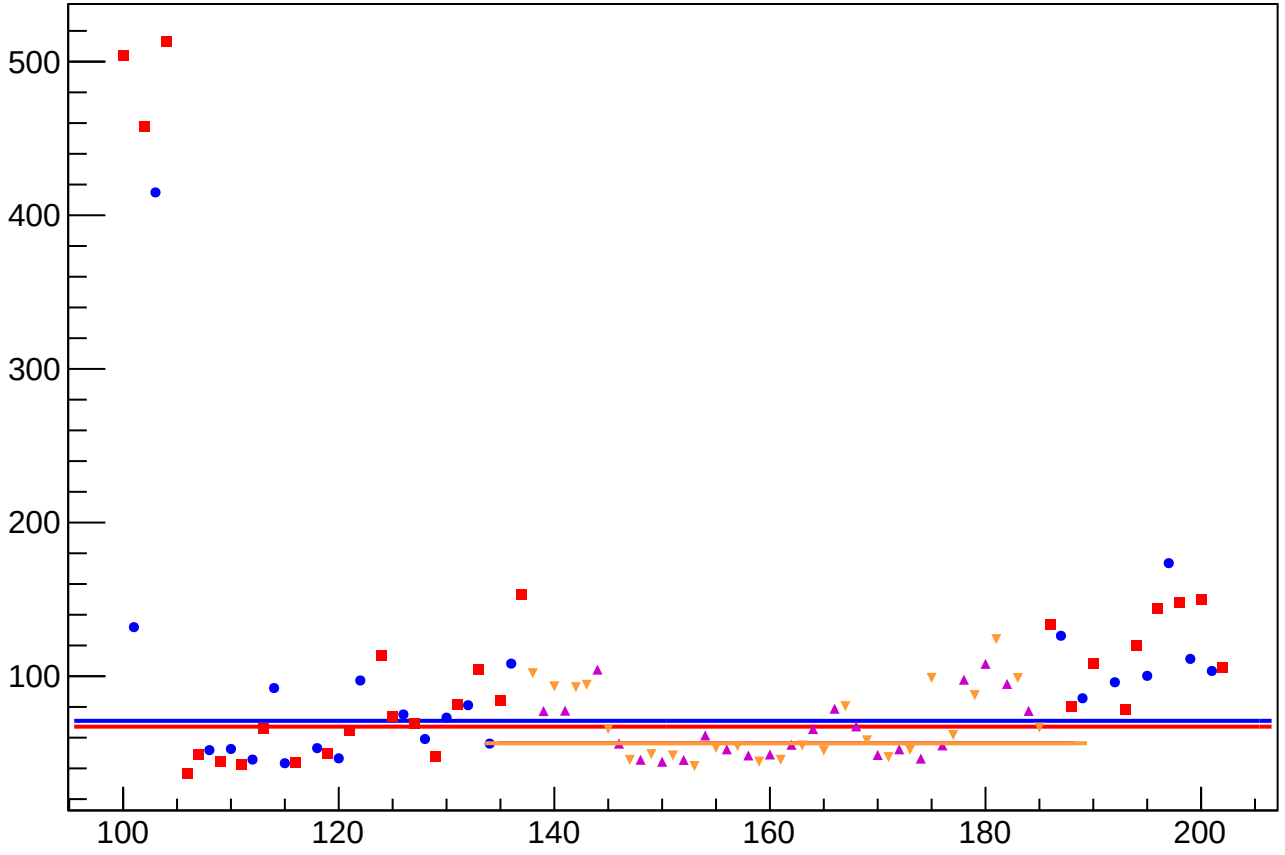
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.010+/-0.012 χ^2/NDF: 42.3/47

All: 0.005+/-0.009 χ^2/NDF: 113.9/98

- sign 0.020+/-0.012 χ^2/NDF: 68.6/50

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.957+/-0.017 χ^2/NDF: 3322190.4/22

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

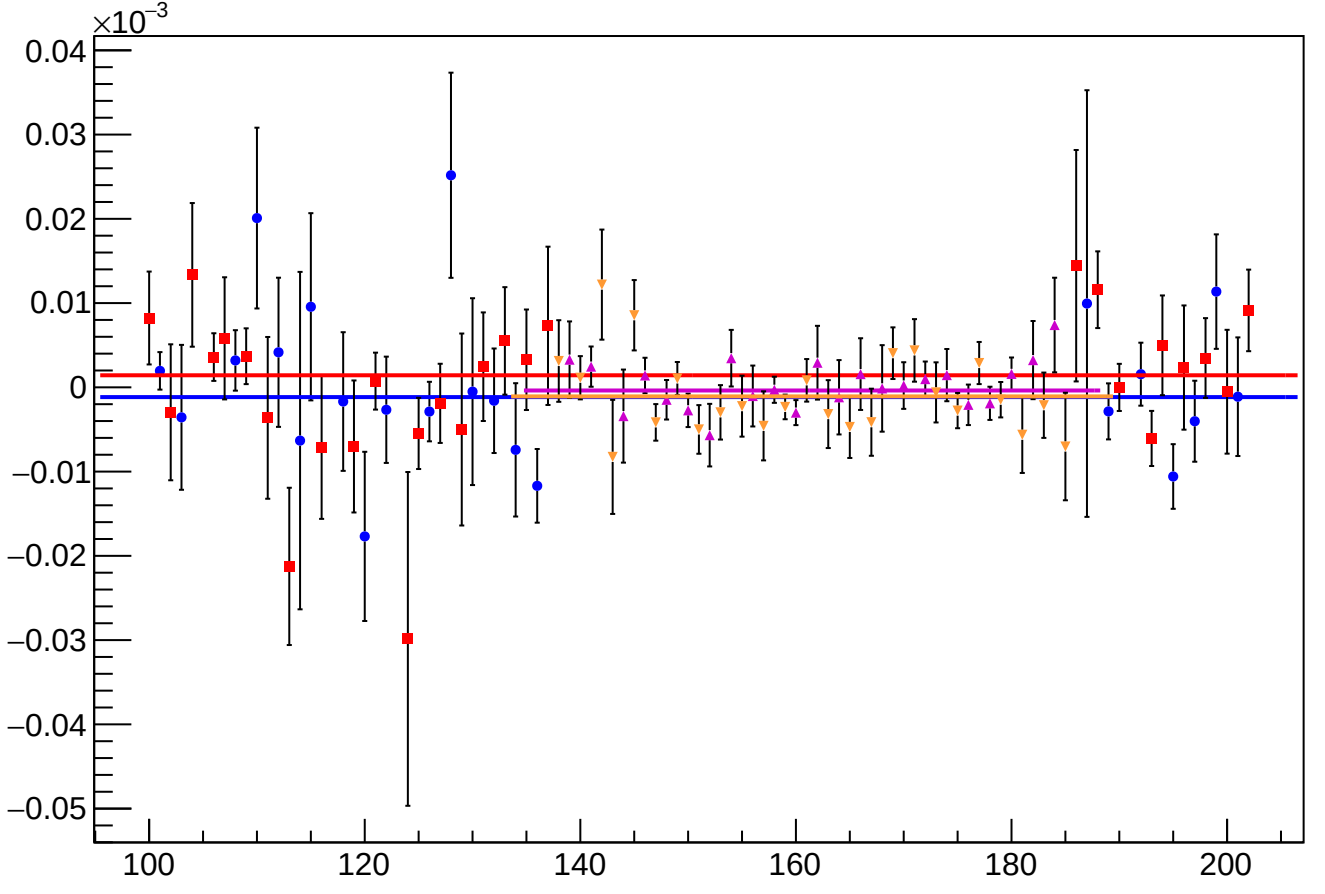
Right Out: 67.164+/-0.015 χ^2/NDF: 5119968.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.294+/-0.009 χ^2/NDF: 6677344.8/47

All: 60.042+/-0.006 χ^2/NDF: 14278880.3/98

- sign 59.800+/-0.008 χ^2/NDF: 7599879.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

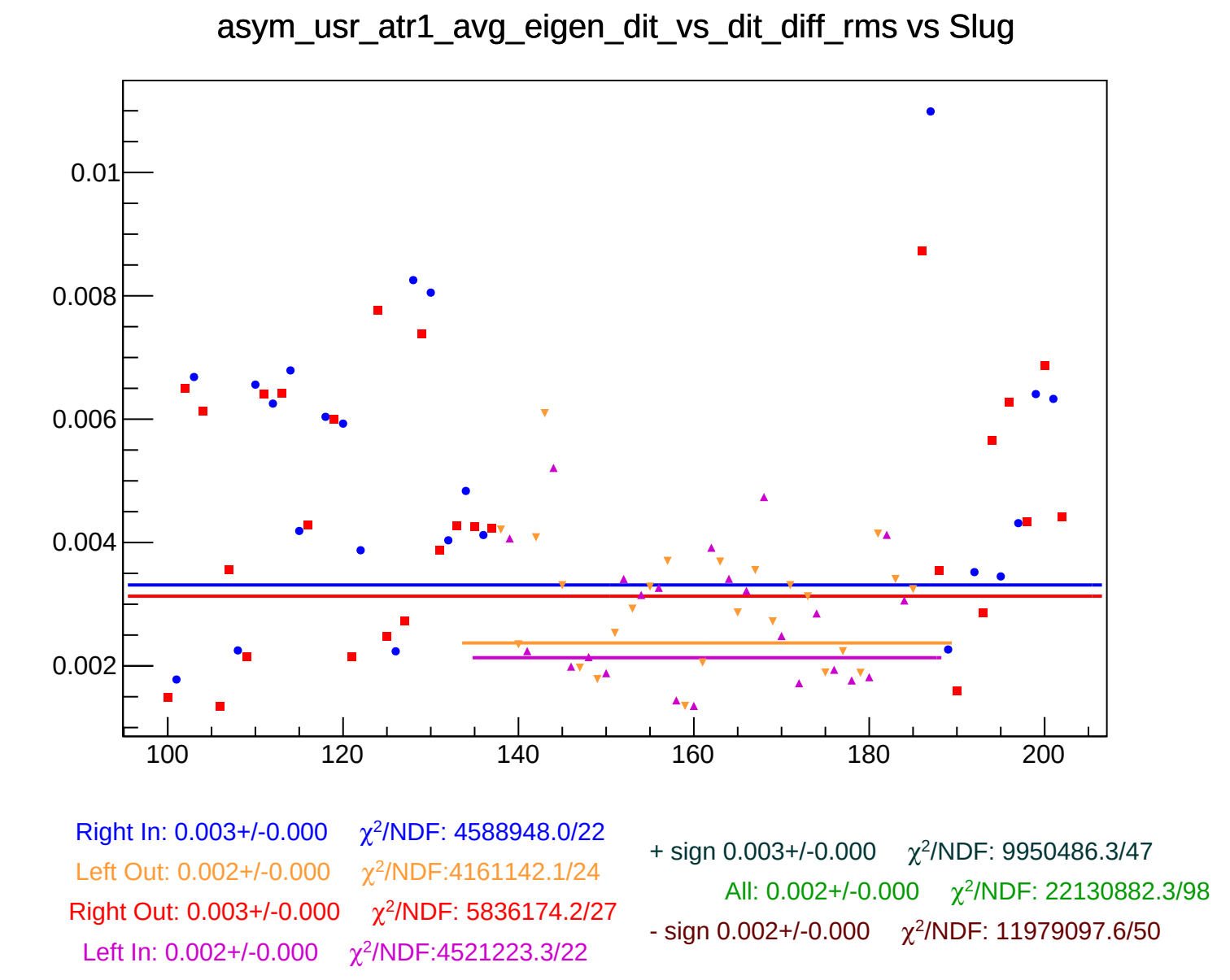
Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/27

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

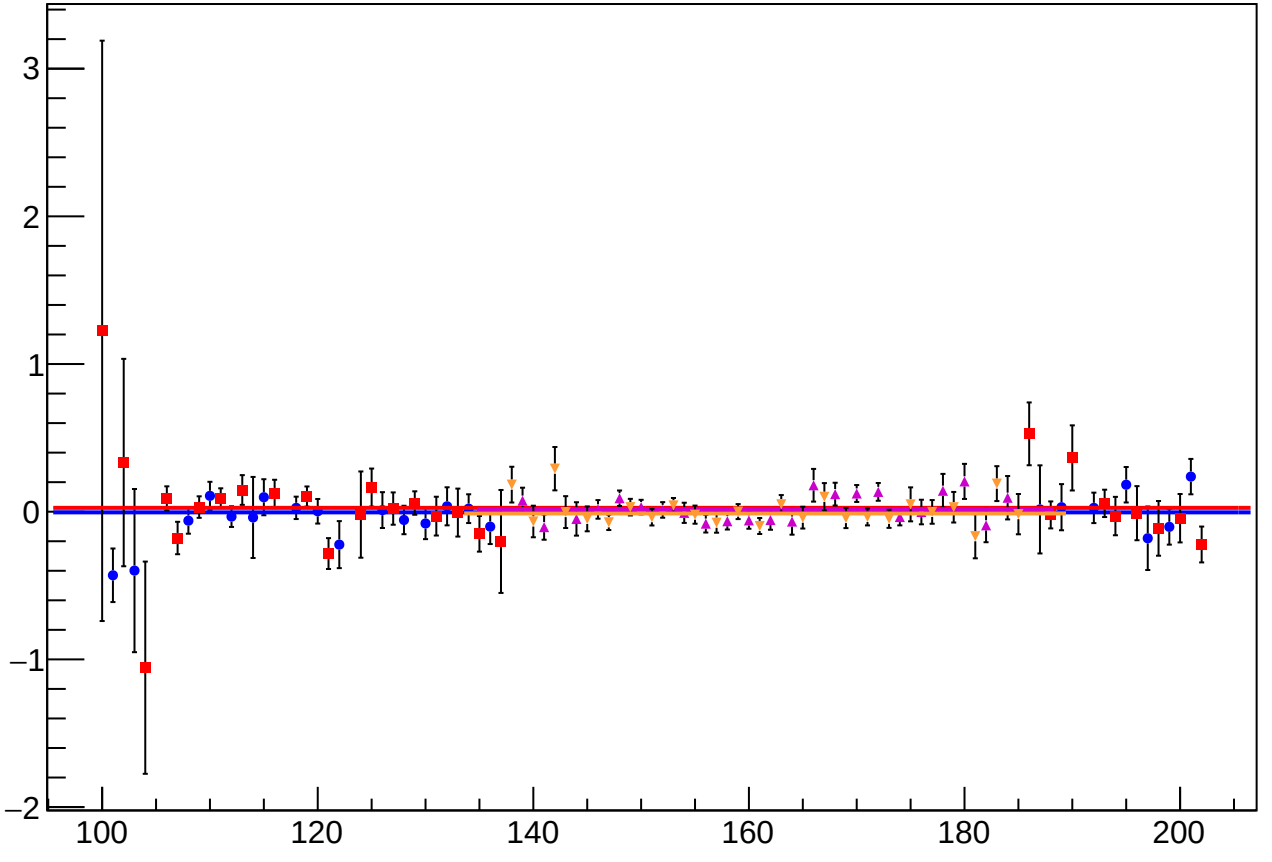
+ sign -0.000+/-0.000 χ^2/NDF: 65.2/47

All: -0.000+/-0.000 χ^2/NDF: 123.1/98

- sign 0.000+/-0.000 χ^2/NDF: 55.2/50


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 4588948.0/22
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 5836174.2/27
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
+ sign 0.003+/-0.000 χ²/NDF: 9950486.3/47
All: 0.002+/-0.000 χ²/NDF: 22130882.3/98
- sign 0.002+/-0.000 χ²/NDF: 11979097.6/50

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 20.4/22

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.026+/-0.022 χ^2/NDF: 37.9/27

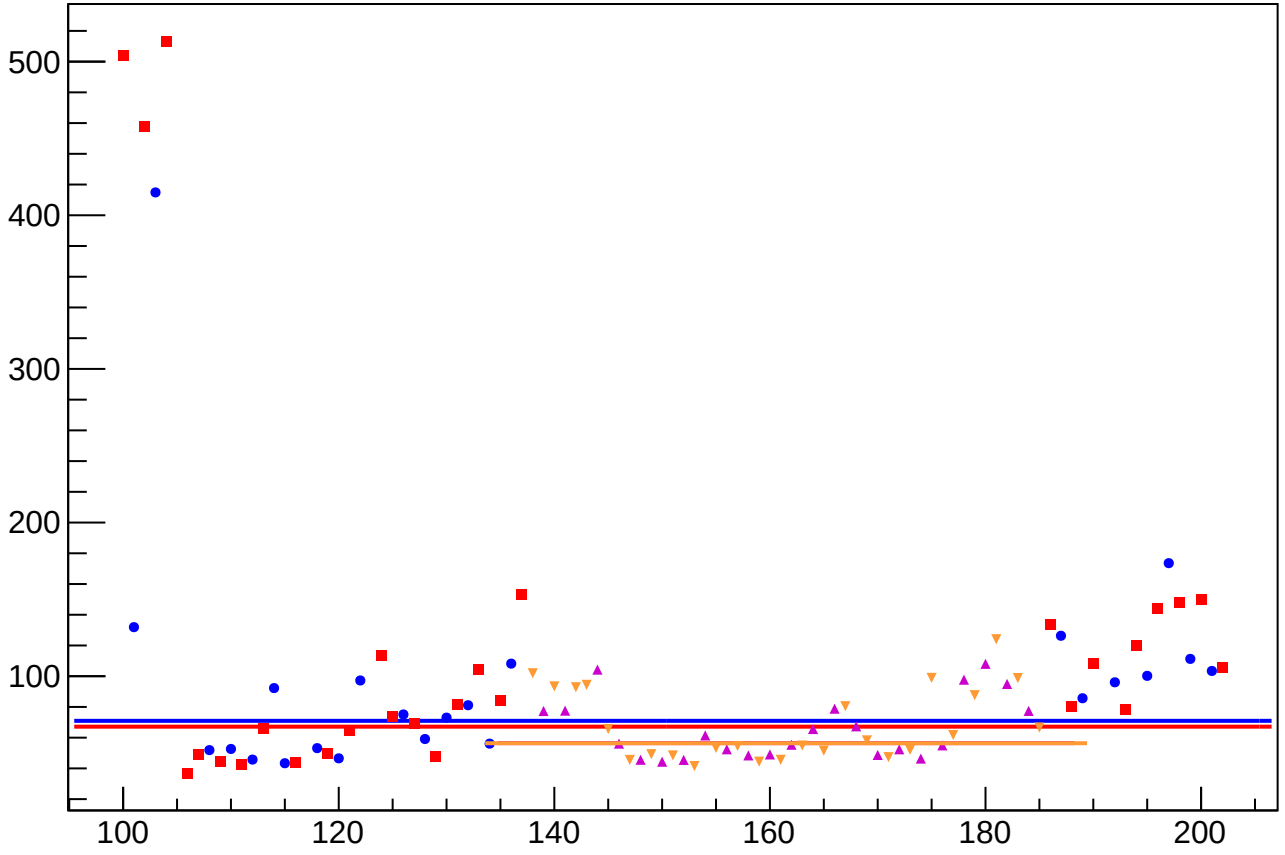
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.010+/-0.012 χ^2/NDF: 42.3/47

All: 0.005+/-0.009 χ^2/NDF: 113.9/98

- sign 0.020+/-0.012 χ^2/NDF: 68.6/50

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.956+/-0.017 χ^2/NDF: 3322167.8/22

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

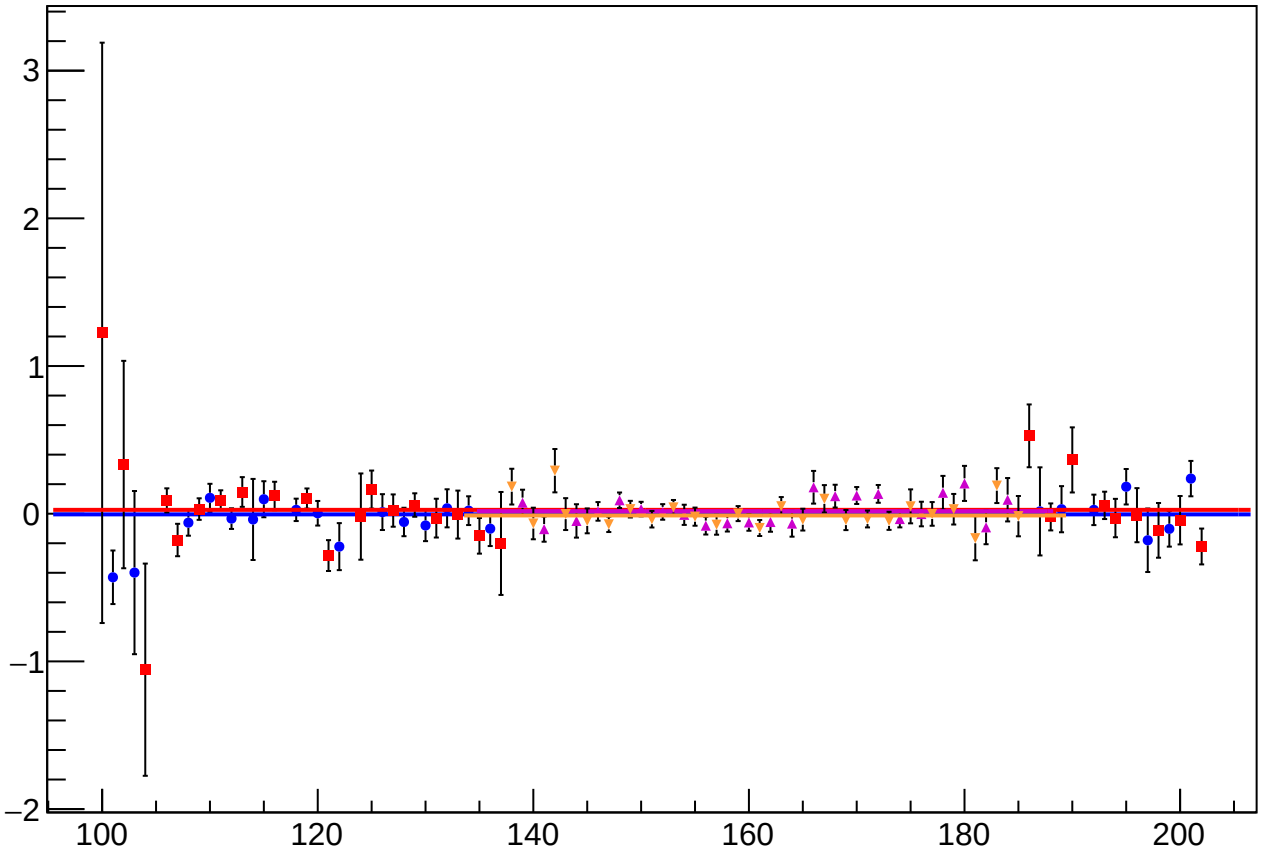
Right Out: 67.164+/-0.015 χ^2/NDF: 5119978.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.294+/-0.009 χ^2/NDF: 6677332.6/47

All: 60.042+/-0.006 χ^2/NDF: 14278807.8/98

- sign 59.800+/-0.008 χ^2/NDF: 7599818.5/50



Right In: -0.004+/-0.024 χ^2/NDF: 20.4/22

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

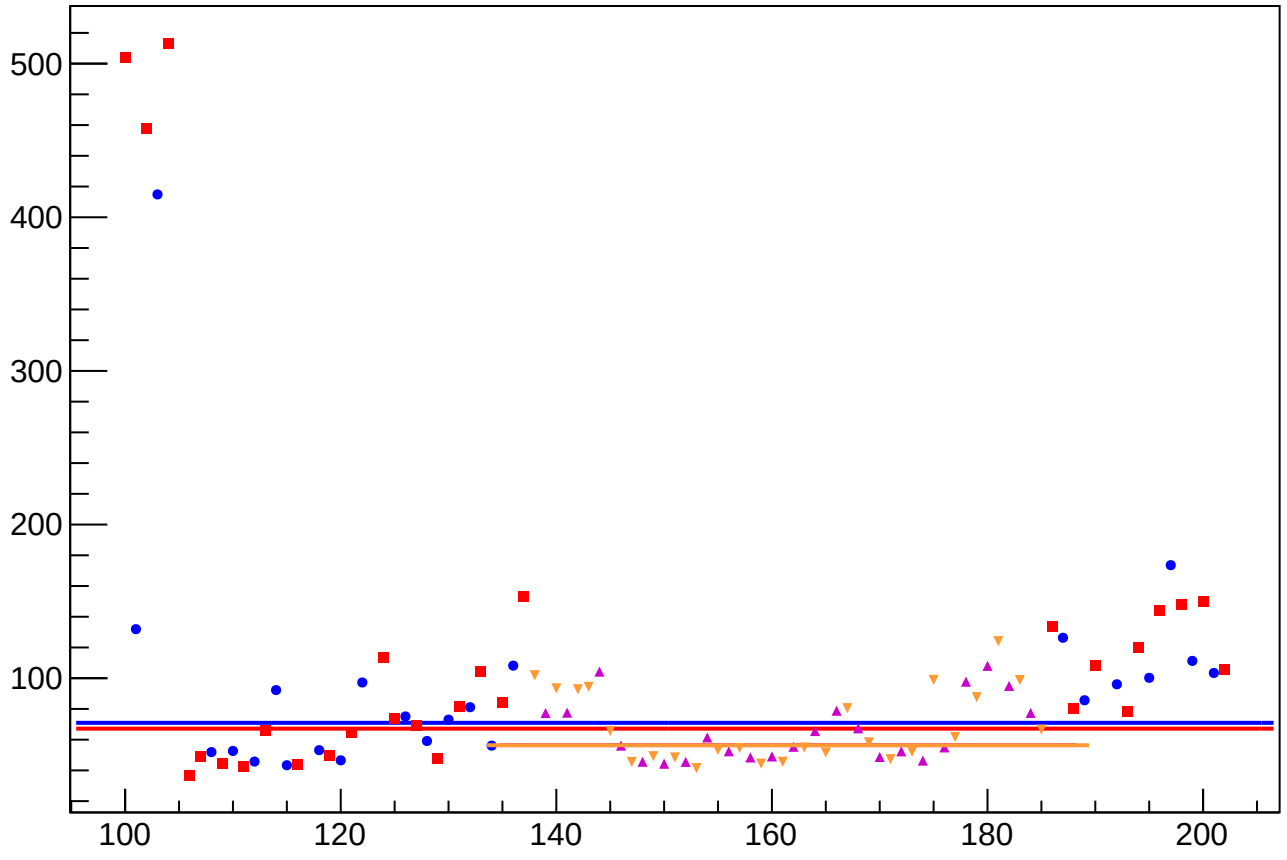
Right Out: 0.026+/-0.022 χ^2/NDF: 37.9/27

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.010+/-0.012 χ^2/NDF: 42.3/47

All: 0.005+/-0.009 χ^2/NDF: 113.9/98

- sign 0.020+/-0.012 χ^2/NDF: 68.6/50



Right In: 70.956+/-0.017 χ^2/NDF: 3322167.8/22

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

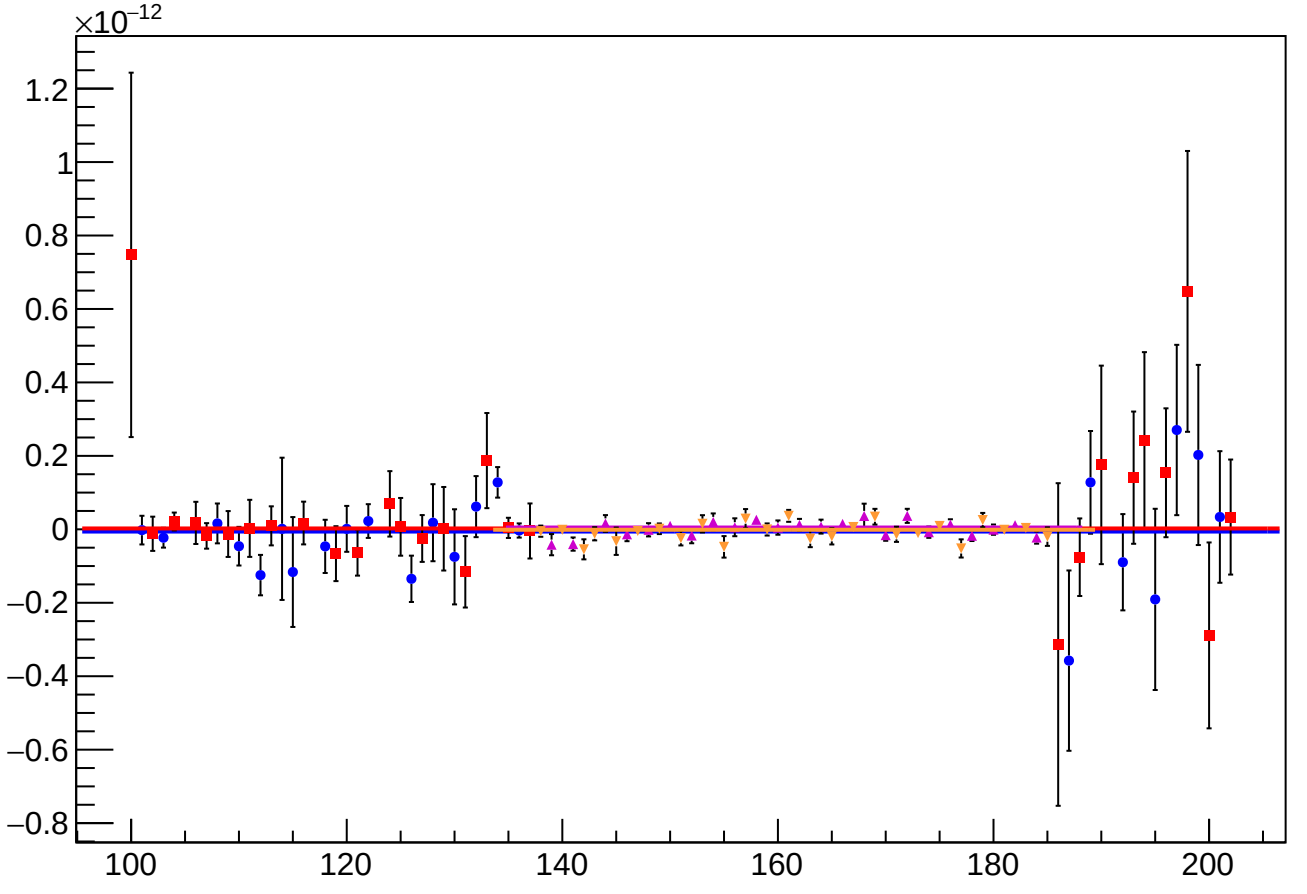
Right Out: 67.164+/-0.015 χ^2/NDF: 5119978.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.294+/-0.009 χ^2/NDF: 6677332.6/47

All: 60.042+/-0.006 χ^2/NDF: 14278807.8/98

- sign 59.800+/-0.008 χ^2/NDF: 7599818.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

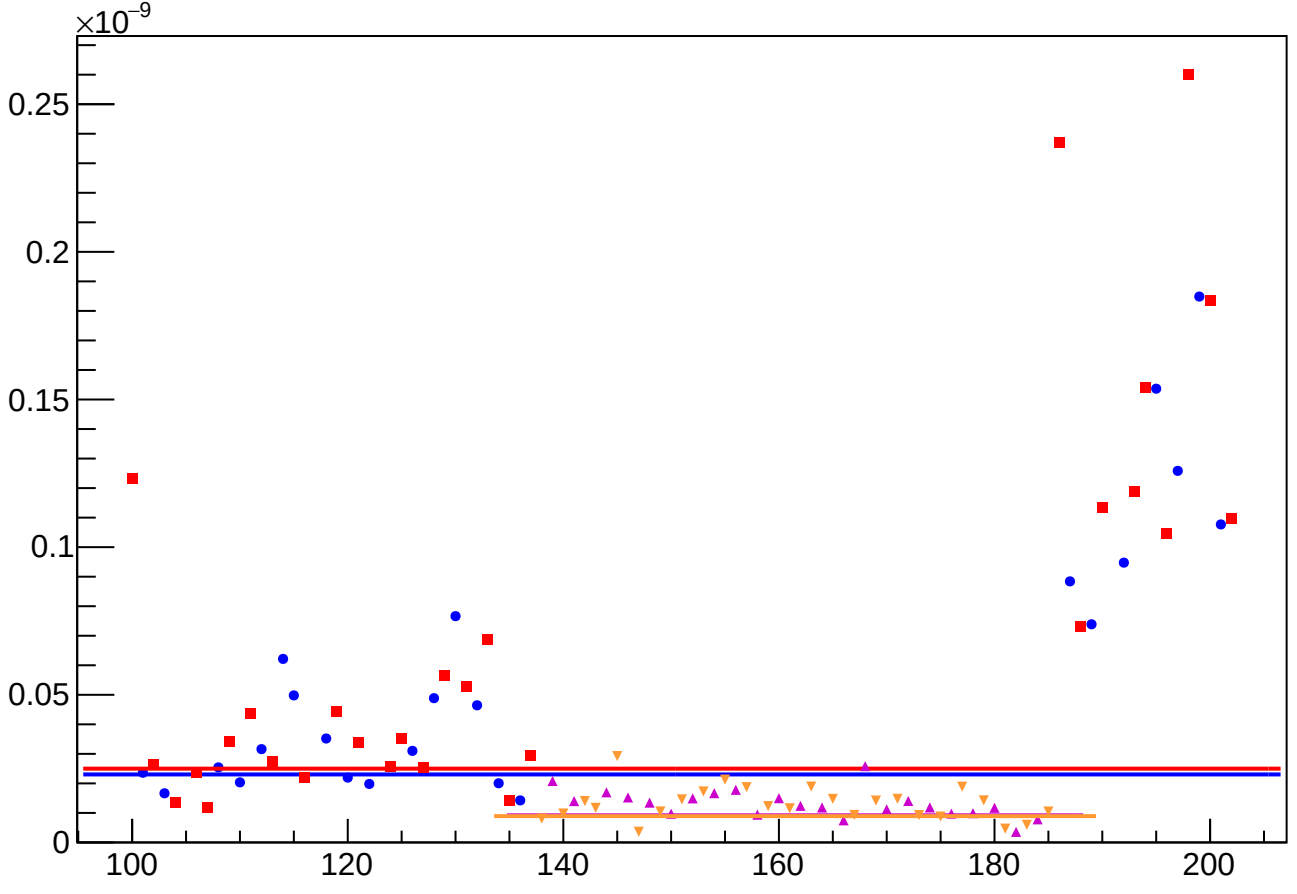
Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/27

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/47

All: 0.000+/-0.000 χ^2/NDF: 107.1/98

- sign 0.000+/-0.000 χ^2/NDF: 46.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 4736565.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6801425.0/27

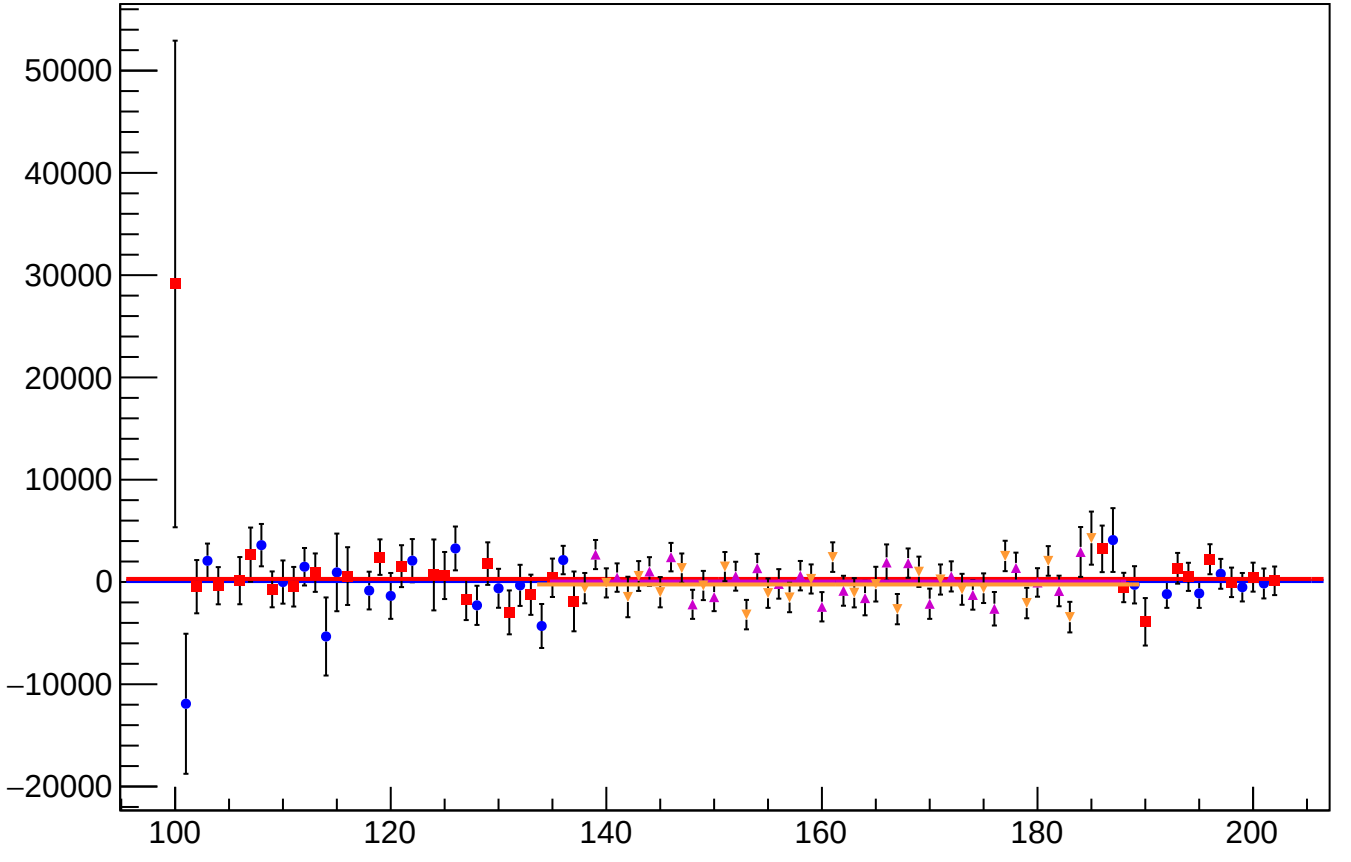
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12795941.0/47

All: 0.000+/-0.000 χ^2/NDF: 28120852.4/98

- sign 0.000+/-0.000 χ^2/NDF: 15310581.9/50

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 89.052+/-388.183 χ^2/NDF: 25.6/22

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 297.777+/-358.655 χ^2/NDF: 17.7/27

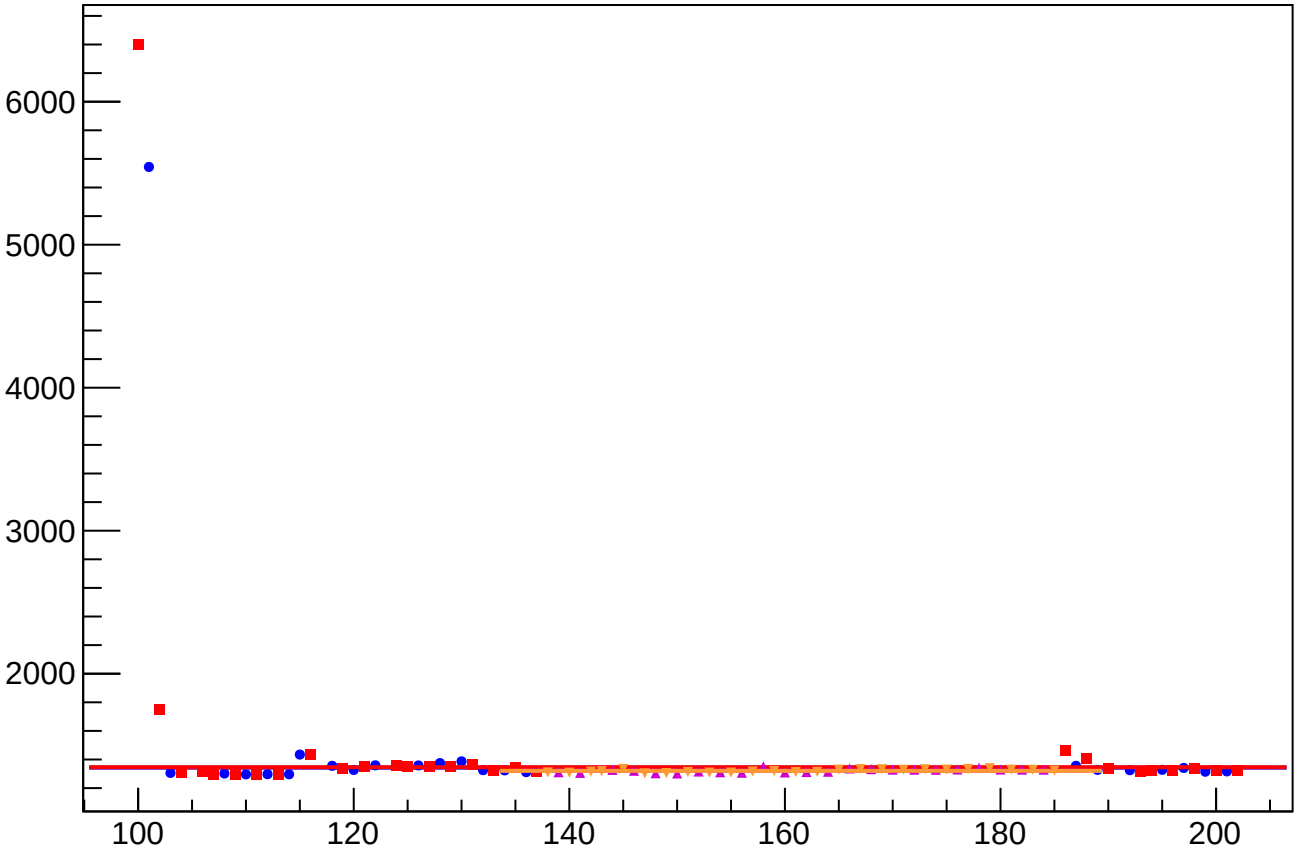
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -117.500+/-237.377 χ^2/NDF: 57.8/47

All: 17.780+/-166.621 χ^2/NDF: 103.5/98

- sign 149.164+/-233.935 χ^2/NDF: 45.1/50

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1343.223+/-0.274 χ^2/NDF: 763830.1/22

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1345.991+/-0.254 χ^2/NDF: 159200.5/27

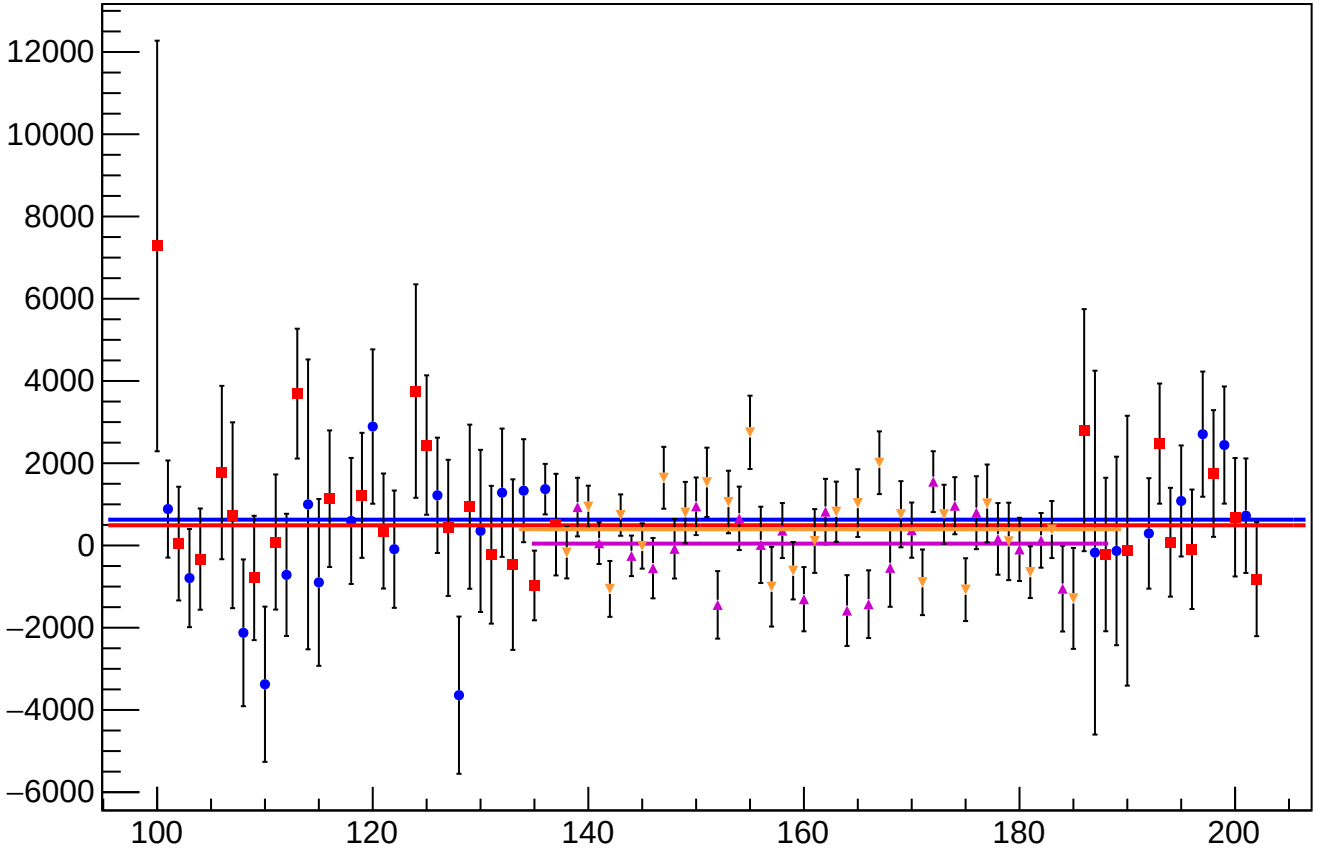
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.148+/-0.168 χ^2/NDF: 770632.7/47

All: 1330.636+/-0.118 χ^2/NDF: 938776.7/98

- sign 1332.082+/-0.165 χ^2/NDF: 167989.0/50

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 627.441+/-294.700 χ^2/NDF: 22.4/22

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 490.849+/-296.921 χ^2/NDF: 18.9/27

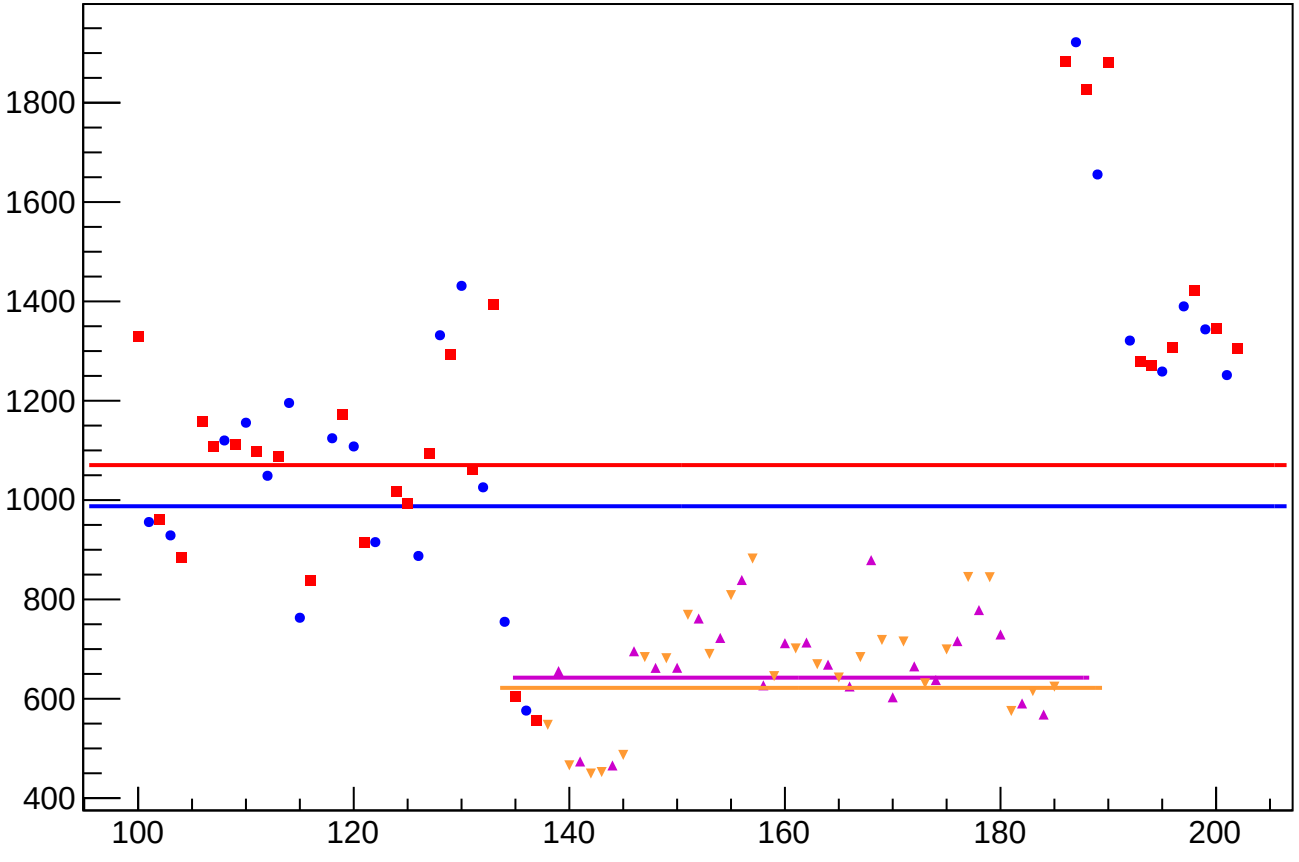
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 439.720+/-129.787 χ^2/NDF: 64.7/47

All: 295.262+/-93.740 χ^2/NDF: 115.6/98

- sign 137.724+/-135.536 χ^2/NDF: 48.3/50

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 987.602+/-0.208 χ^2/NDF: 2041042.2/22

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1070.430+/-0.210 χ^2/NDF: 2150468.7/27

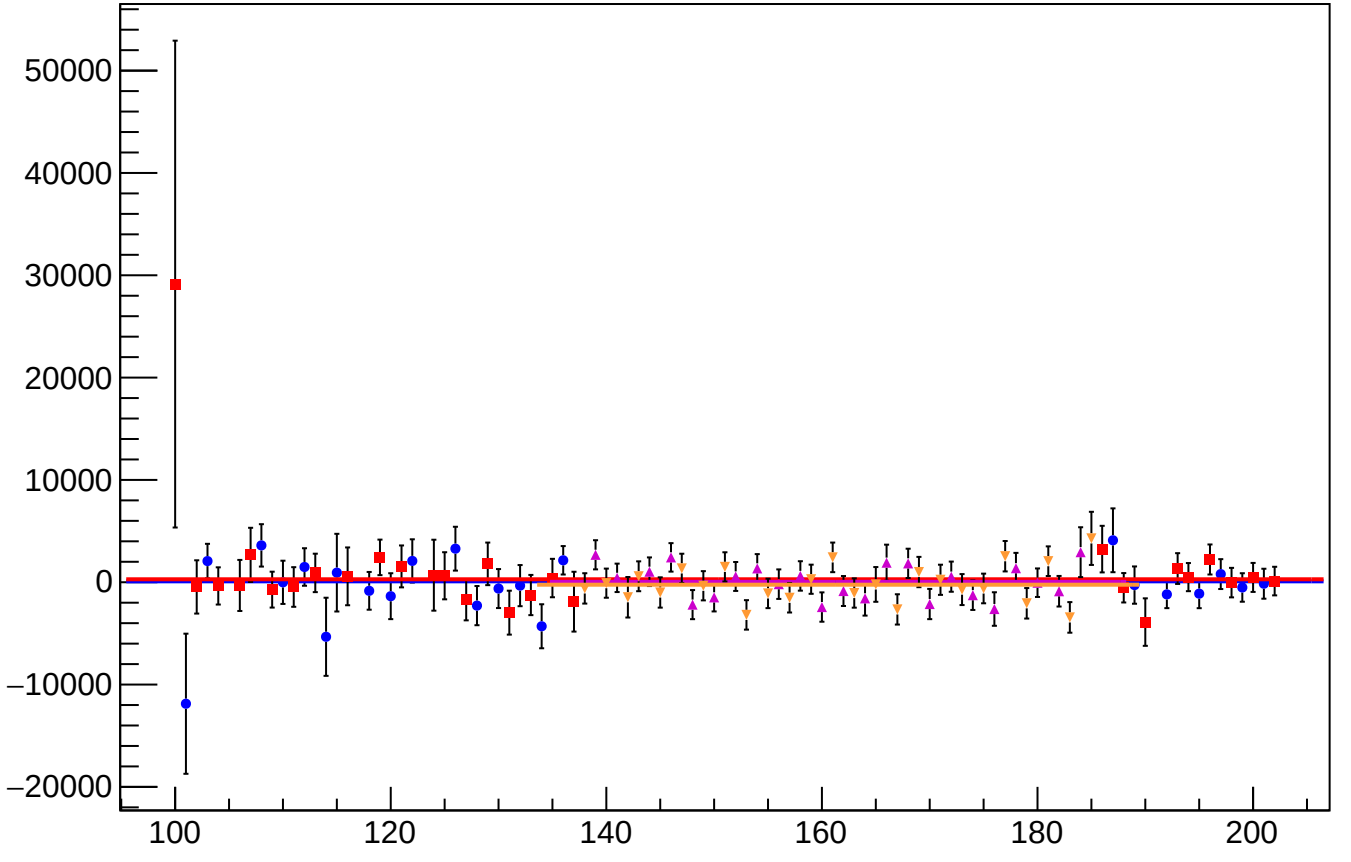
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 692.871+/-0.092 χ^2/NDF: 5906289.9/47

All: 711.417+/-0.066 χ^2/NDF: 12357569.2/98

- sign 731.643+/-0.096 χ^2/NDF: 6365902.9/50

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 89.178+/-388.183 χ^2/NDF: 25.6/22

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 289.316+/-359.280 χ^2/NDF: 17.7/27

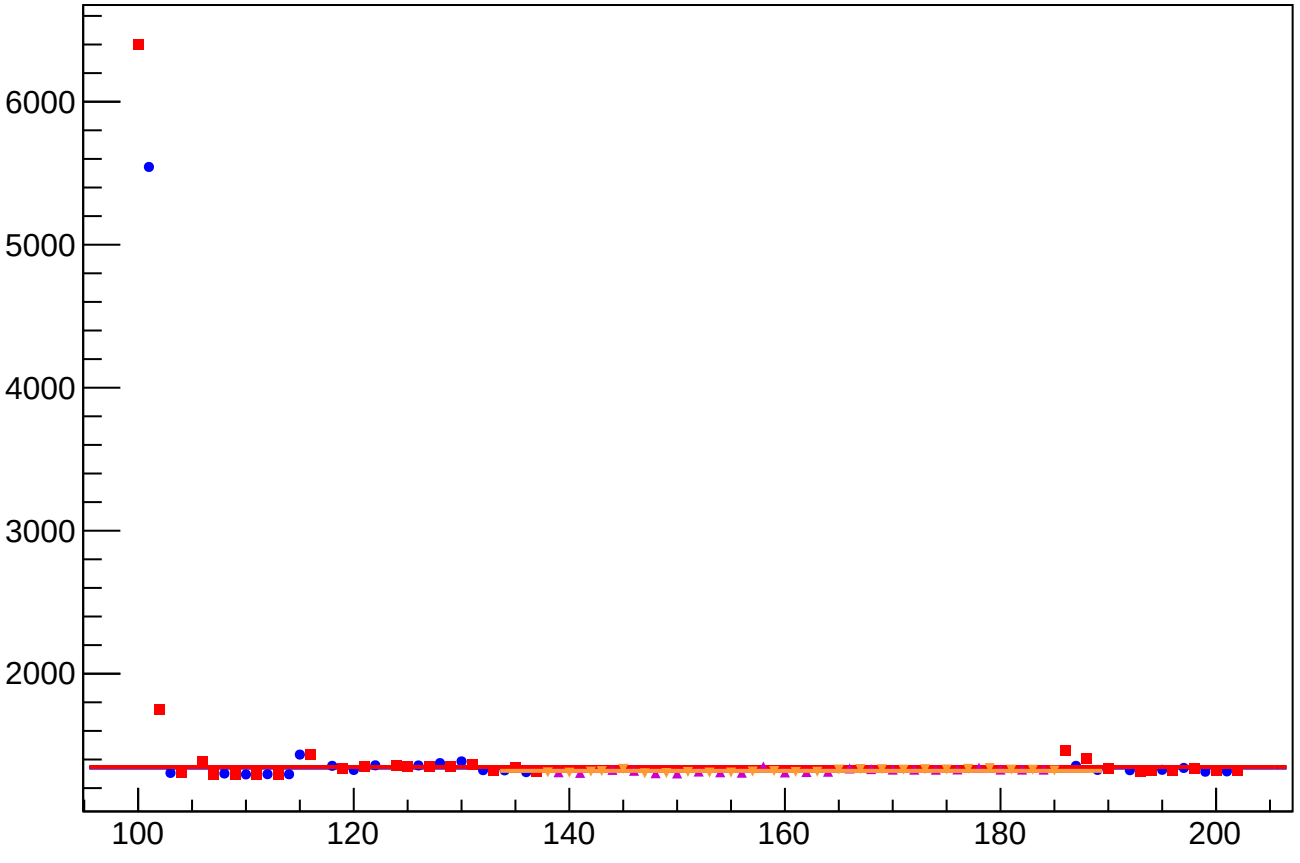
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -117.454+/-237.377 χ^2/NDF: 57.8/47

All: 15.791+/-166.683 χ^2/NDF: 103.5/98

- sign 145.392+/-234.108 χ^2/NDF: 45.1/50

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1343.223+/-0.274 χ^2/NDF: 763829.2/22

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.568+/-0.254 χ^2/NDF: 159445.7/27

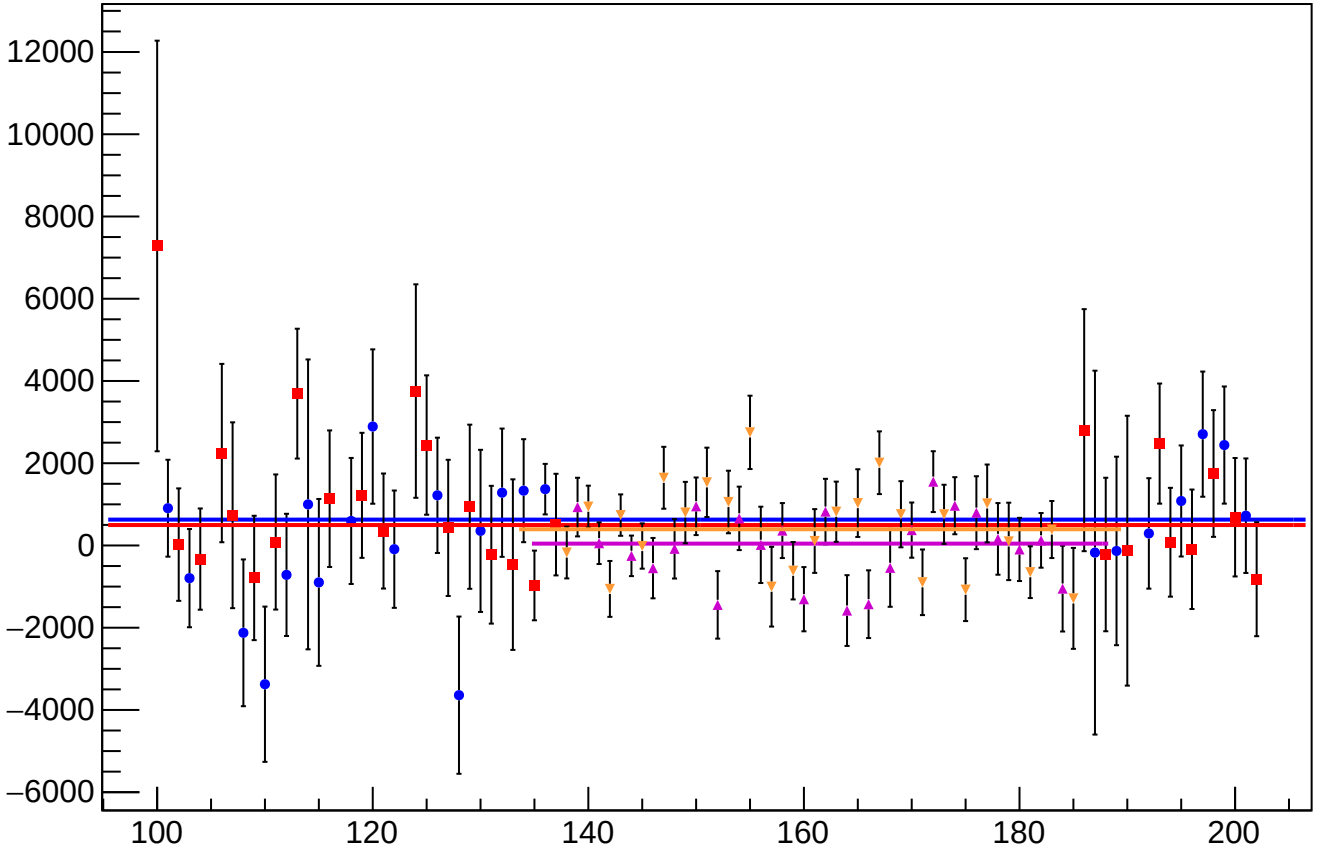
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.148+/-0.168 χ^2/NDF: 770631.7/47

All: 1330.964+/-0.118 χ^2/NDF: 939789.6/98

- sign 1332.731+/-0.166 χ^2/NDF: 168926.9/50

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 628.711+/-294.663 χ^2/NDF: 22.4/22

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 496.747+/-296.924 χ^2/NDF: 19.2/27

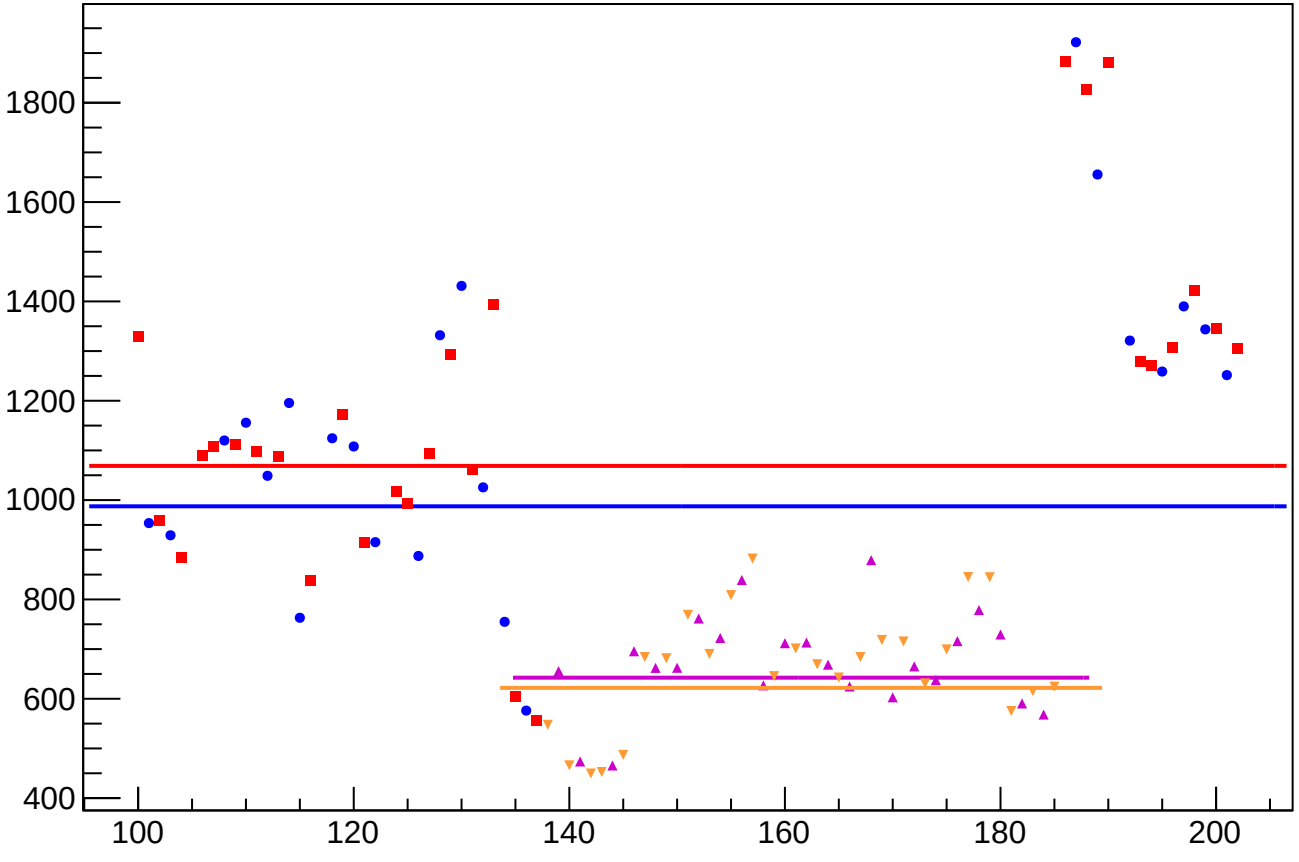
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 439.954+/-129.784 χ^2/NDF: 64.8/47

All: 295.970+/-93.739 χ^2/NDF: 115.9/98

- sign 138.941+/-135.536 χ^2/NDF: 48.6/50

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 987.477+/-0.208 χ^2/NDF: 2041161.0/22

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1068.878+/-0.210 χ^2/NDF: 2147853.7/27

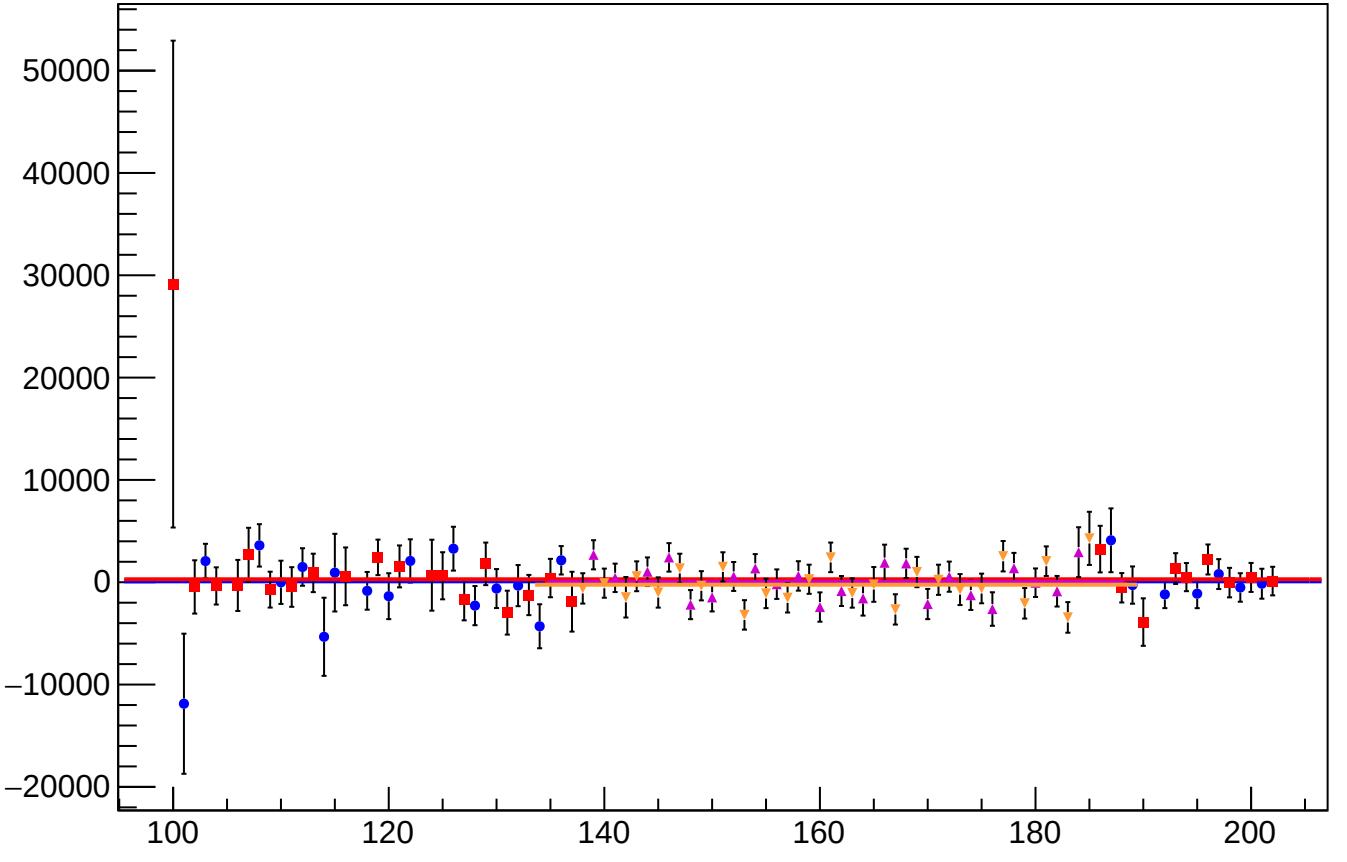
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 692.861+/-0.092 χ^2/NDF: 5905121.7/47

All: 711.254+/-0.066 χ^2/NDF: 12328655.9/98

- sign 731.313+/-0.096 χ^2/NDF: 6339557.3/50

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 89.178+/-388.183 χ^2/NDF: 25.6/22

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 289.316+/-359.280 χ^2/NDF: 17.7/27

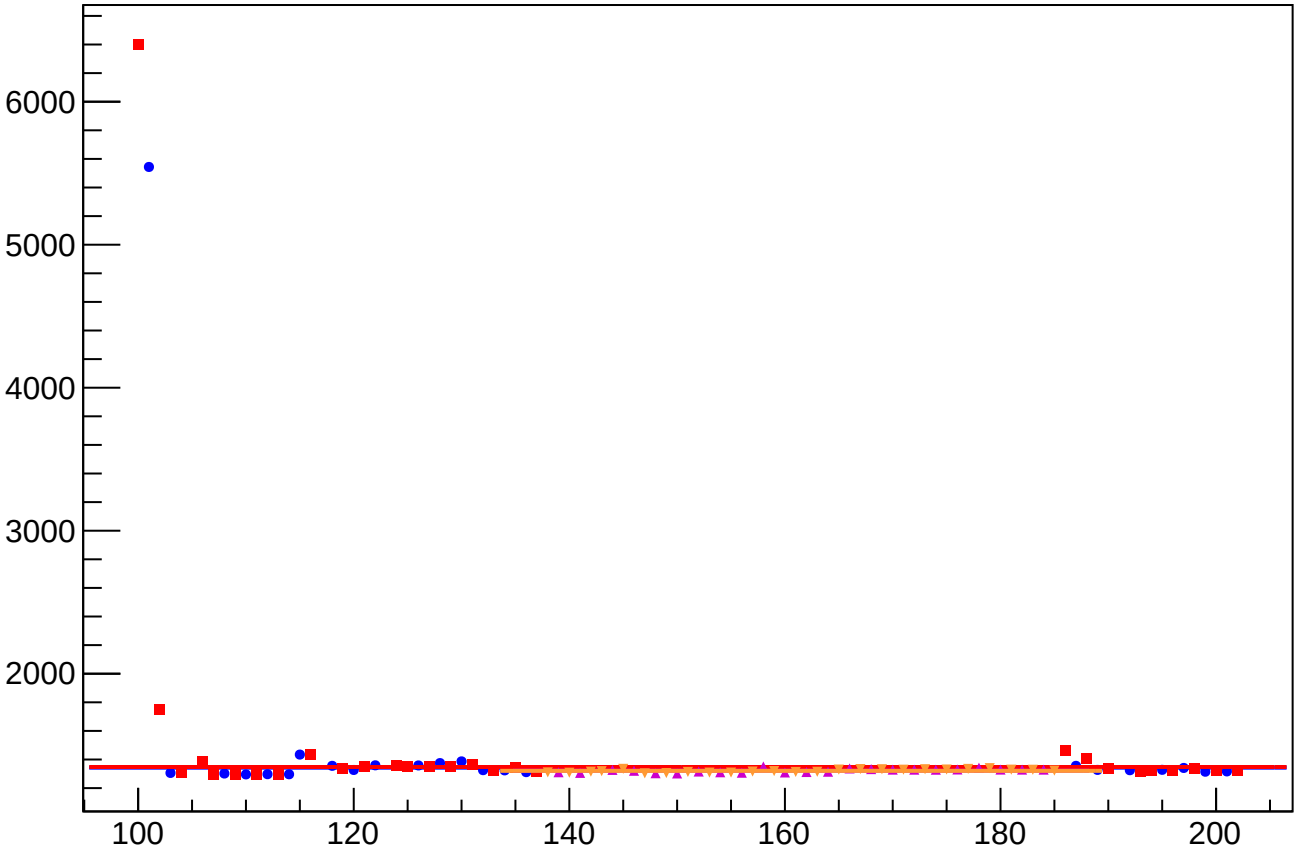
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -117.454+/-237.377 χ^2/NDF: 57.8/47

All: 15.791+/-166.683 χ^2/NDF: 103.5/98

- sign 145.392+/-234.108 χ^2/NDF: 45.1/50

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1343.223+/-0.274 χ^2/NDF: 763829.2/22

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.568+/-0.254 χ^2/NDF: 159445.7/27

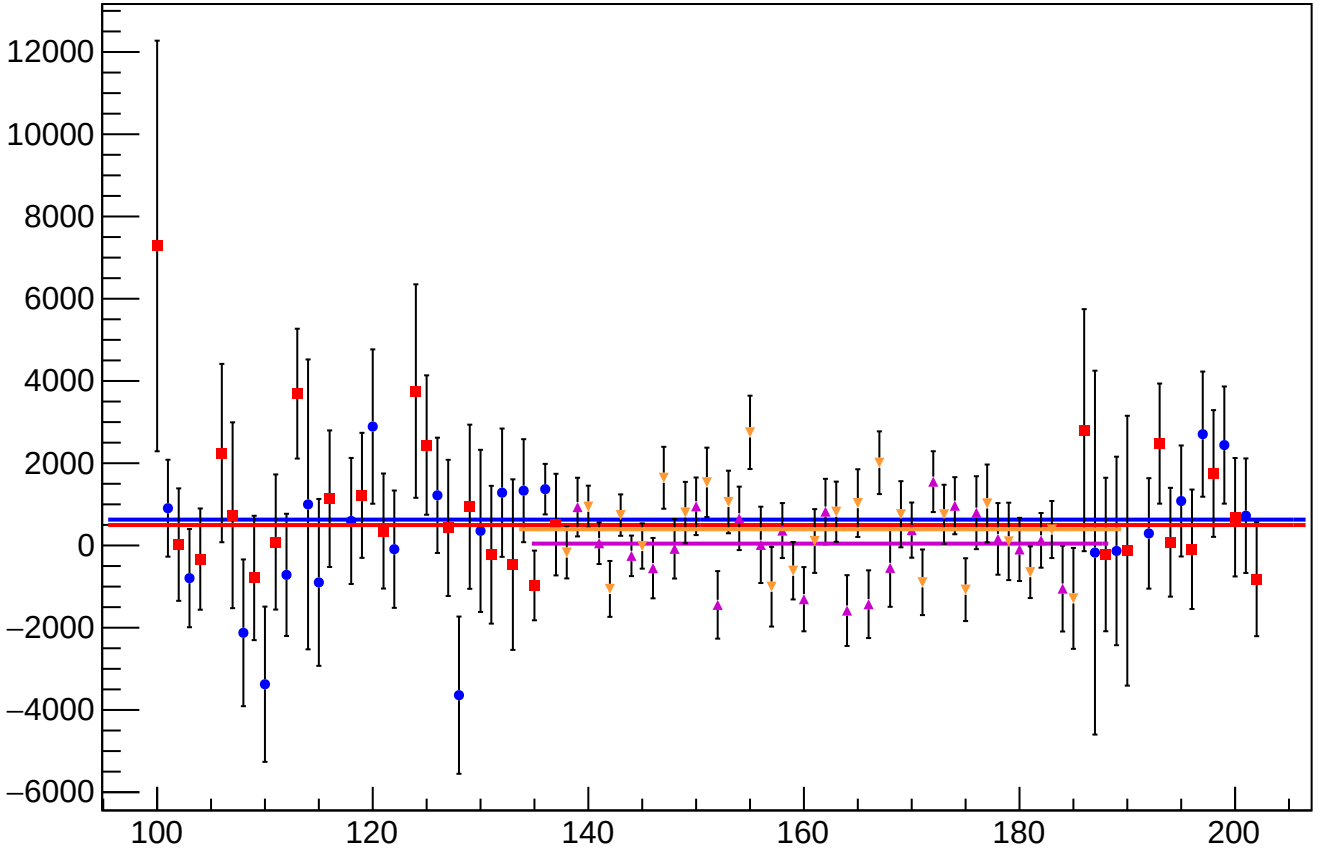
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

\+ sign 1329.148+/-0.168 χ^2/NDF: 770631.7/47

All: 1330.964+/-0.118 χ^2/NDF: 939789.6/98

\- sign 1332.731+/-0.166 χ^2/NDF: 168926.9/50

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 628.711+/-294.663 χ^2/NDF: 22.4/22

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

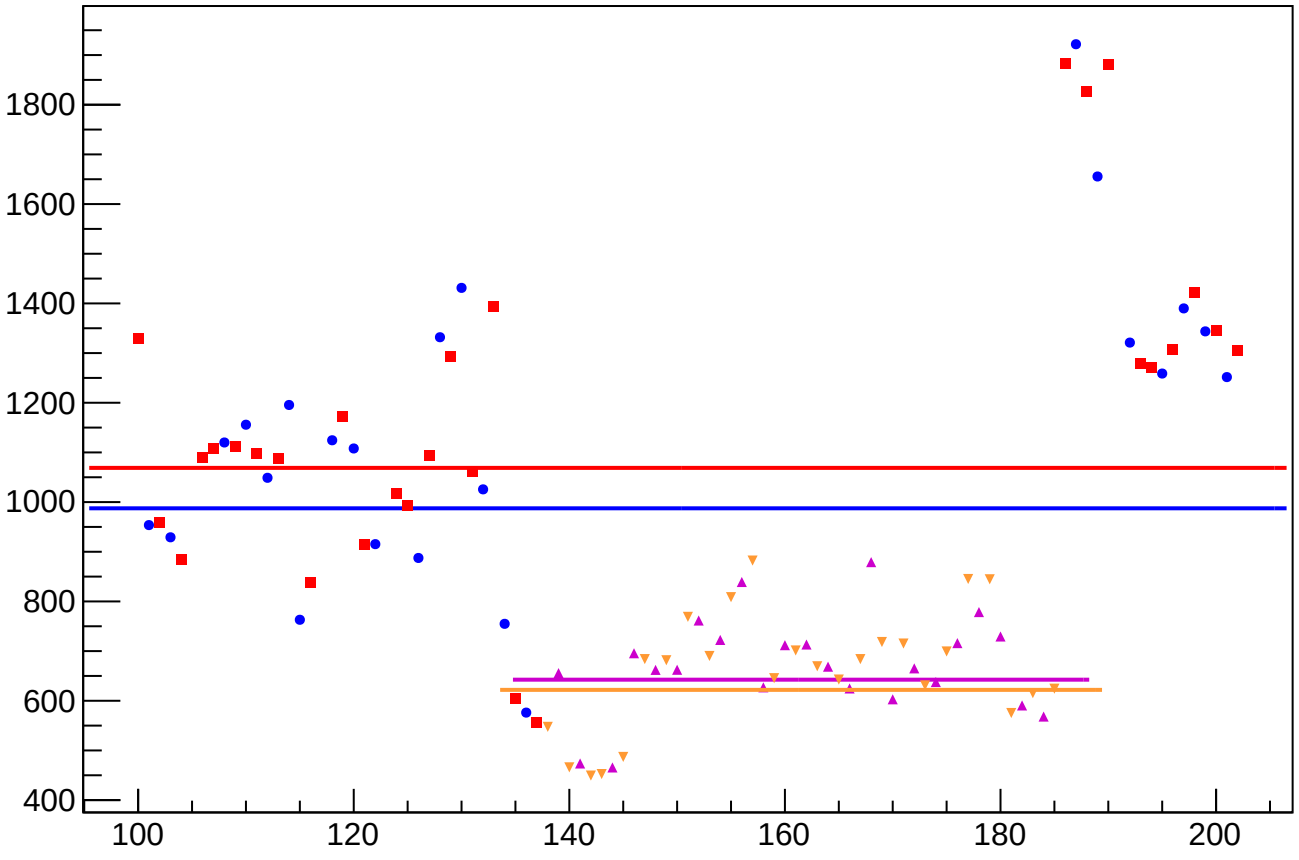
Right Out: 496.747+/-296.924 χ^2/NDF: 19.2/27

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 439.954+/-129.784 χ^2/NDF: 64.8/47

All: 295.970+/-93.739 χ^2/NDF: 115.9/98

- sign 138.941+/-135.536 χ^2/NDF: 48.6/50



Right In: 987.477+/-0.208 χ^2/NDF: 2041161.0/22

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1068.878+/-0.210 χ^2/NDF: 2147853.7/27

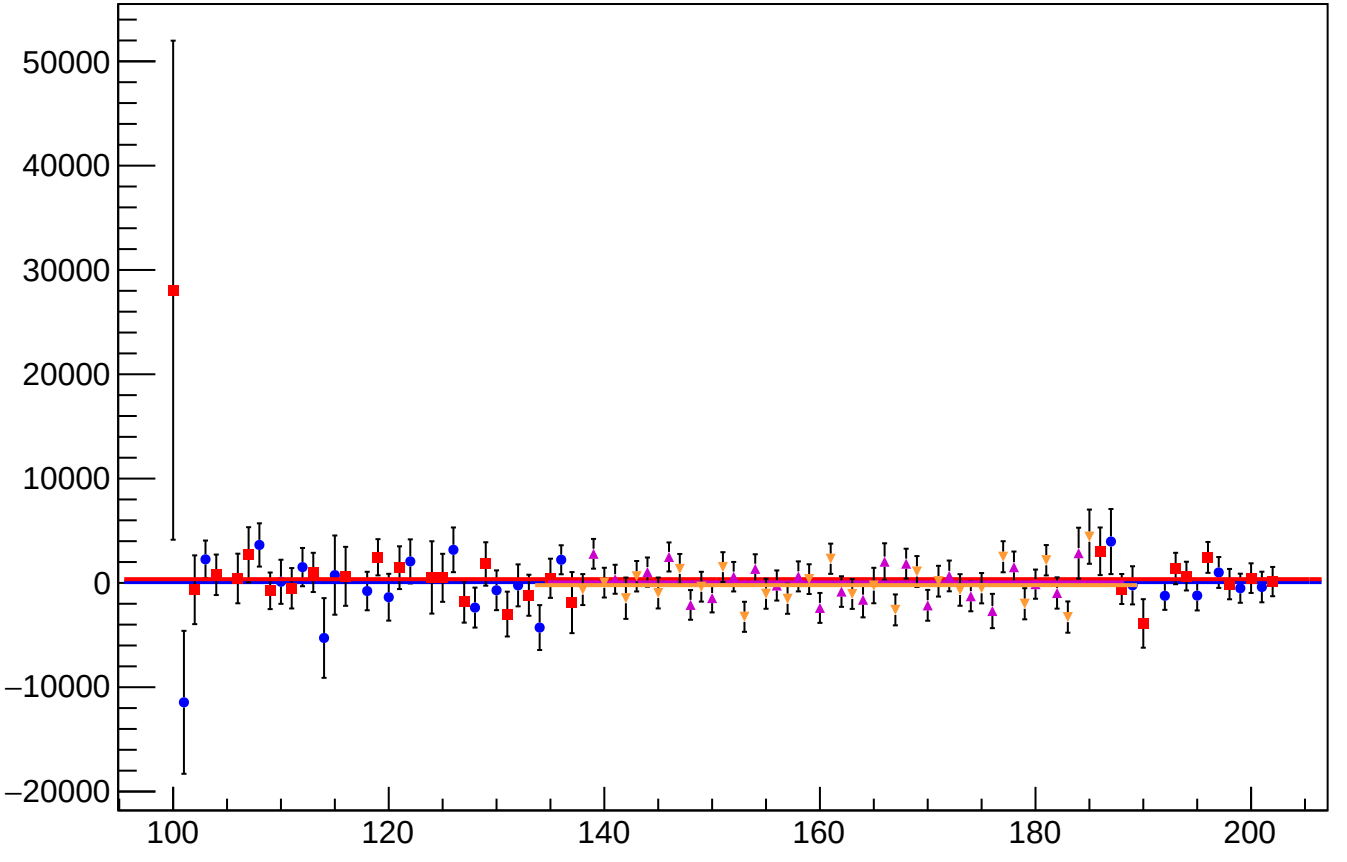
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 692.861+/-0.092 χ^2/NDF: 5905121.7/47

All: 711.254+/-0.066 χ^2/NDF: 12328655.9/98

- sign 731.313+/-0.096 χ^2/NDF: 6339557.3/50

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 76.406+/-390.310 χ^2/NDF: 25.8/22

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

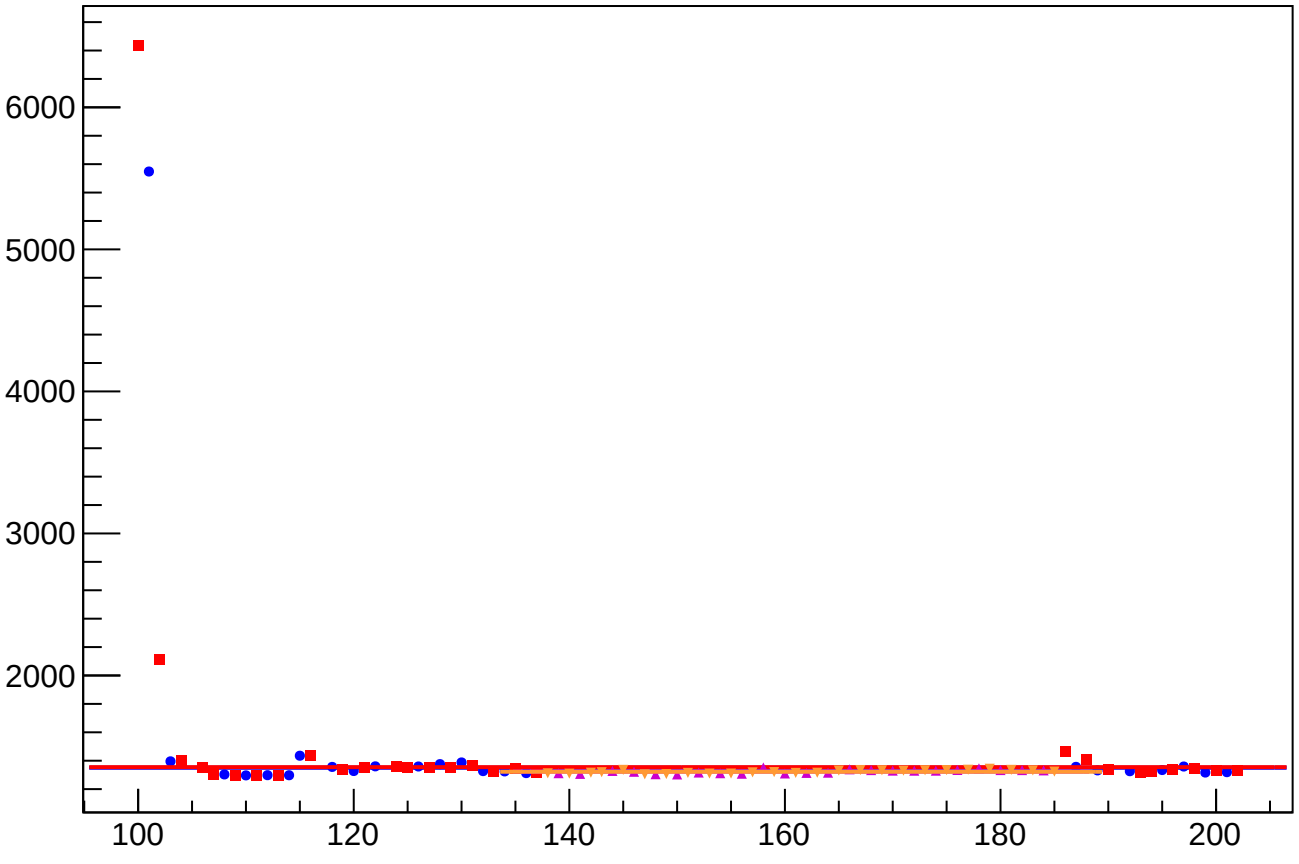
Right Out: 357.442+/-361.880 χ^2/NDF: 17.8/27

Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -106.628+/-238.046 χ^2/NDF: 57.4/47

All: 38.426+/-167.231 χ^2/NDF: 104.2/98

- sign 179.772+/-234.983 χ^2/NDF: 46.1/50



Right In: 1350.552+/-0.276 χ^2/NDF: 763819.1/22

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1354.558+/-0.256 χ^2/NDF: 217195.9/27

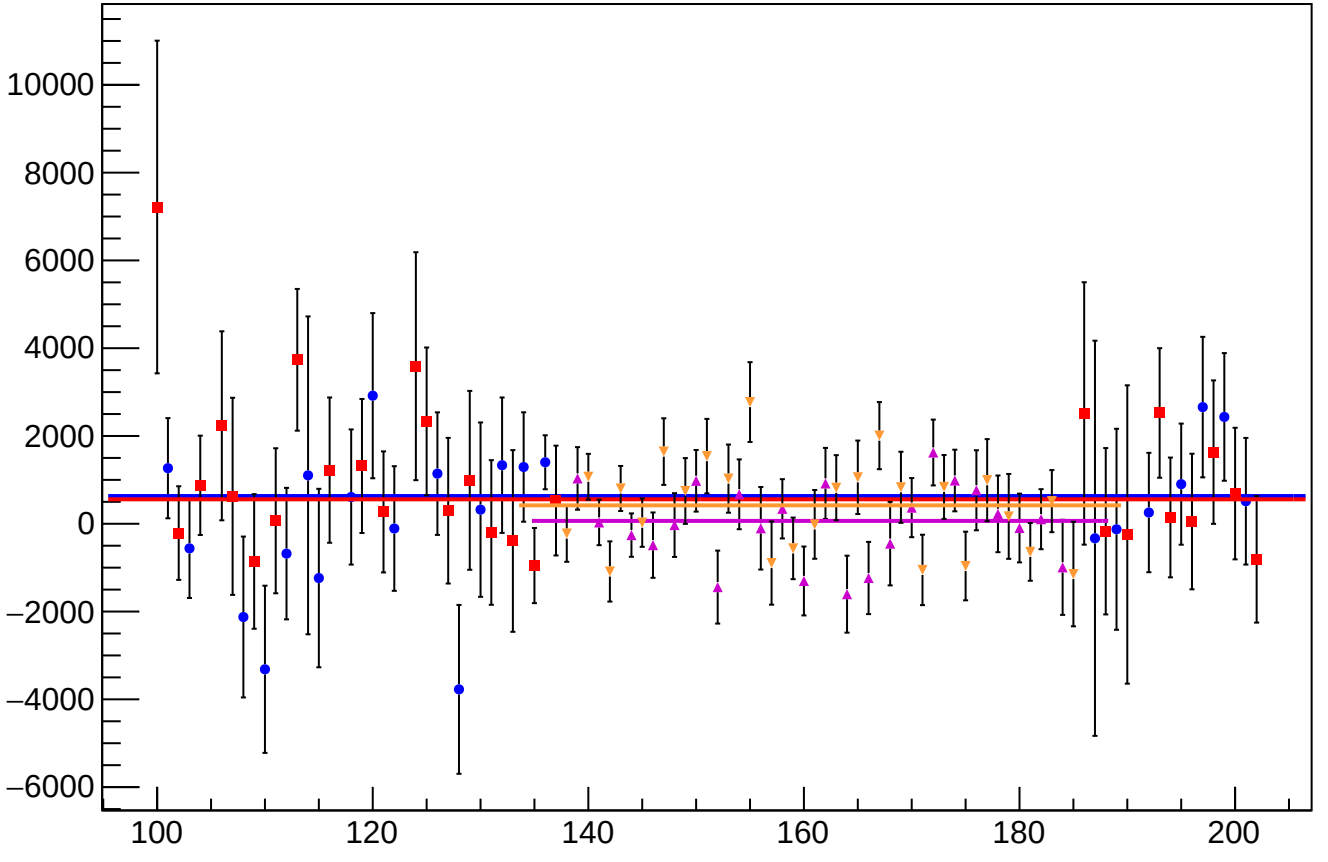
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.852+/-0.168 χ^2/NDF: 773300.1/47

All: 1334.700+/-0.118 χ^2/NDF: 1003200.0/98

- sign 1336.501+/-0.166 χ^2/NDF: 229661.9/50

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 631.473+/-295.143 χ^2/NDF: 22.2/22

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 556.873+/-294.360 χ^2/NDF: 19.6/27

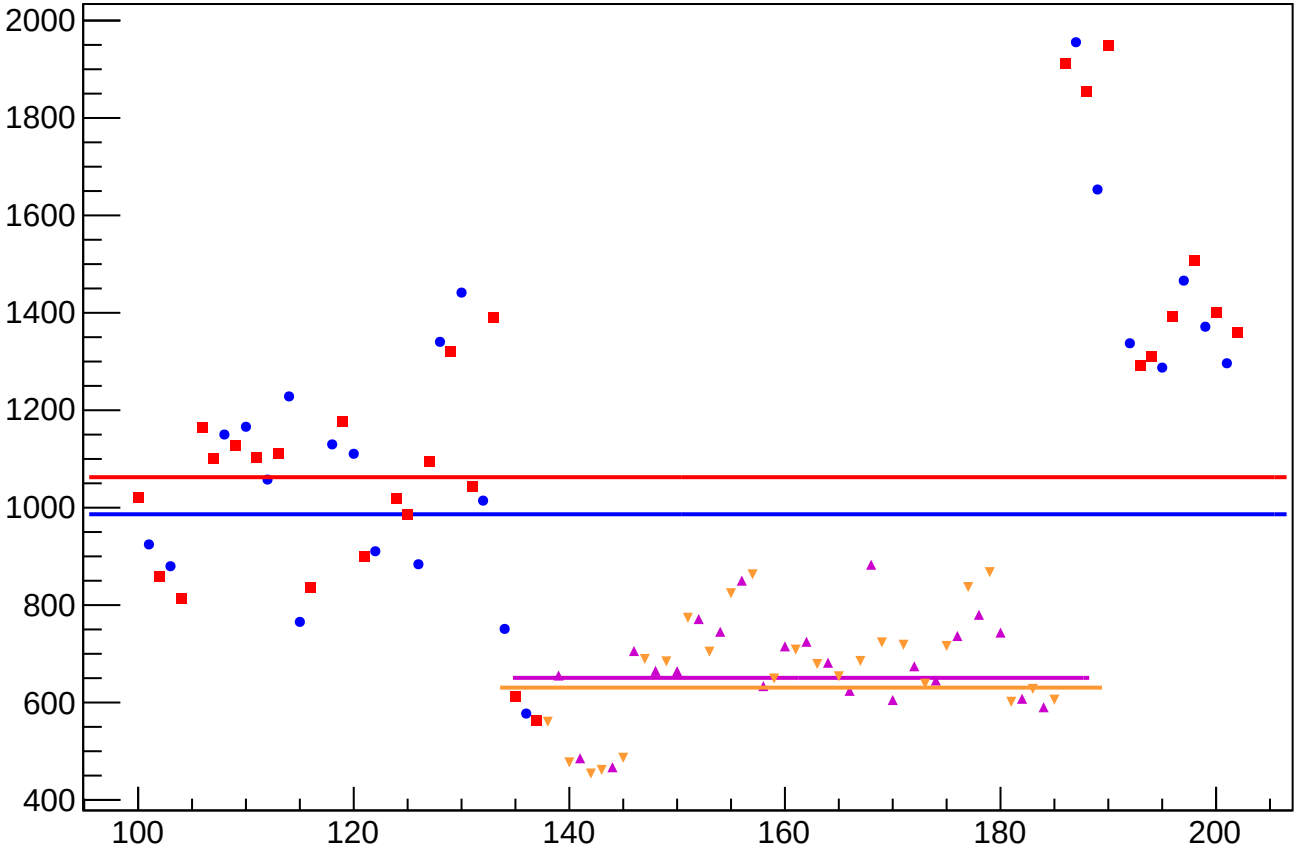
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 461.693+/-131.178 χ^2/NDF: 64.2/47

All: 322.365+/-94.619 χ^2/NDF: 115.3/98

- sign 171.258+/-136.610 χ^2/NDF: 48.8/50

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 986.464+/-0.209 χ^2/NDF: 2169512.1/22

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1062.566+/-0.208 χ^2/NDF: 2407453.1/27

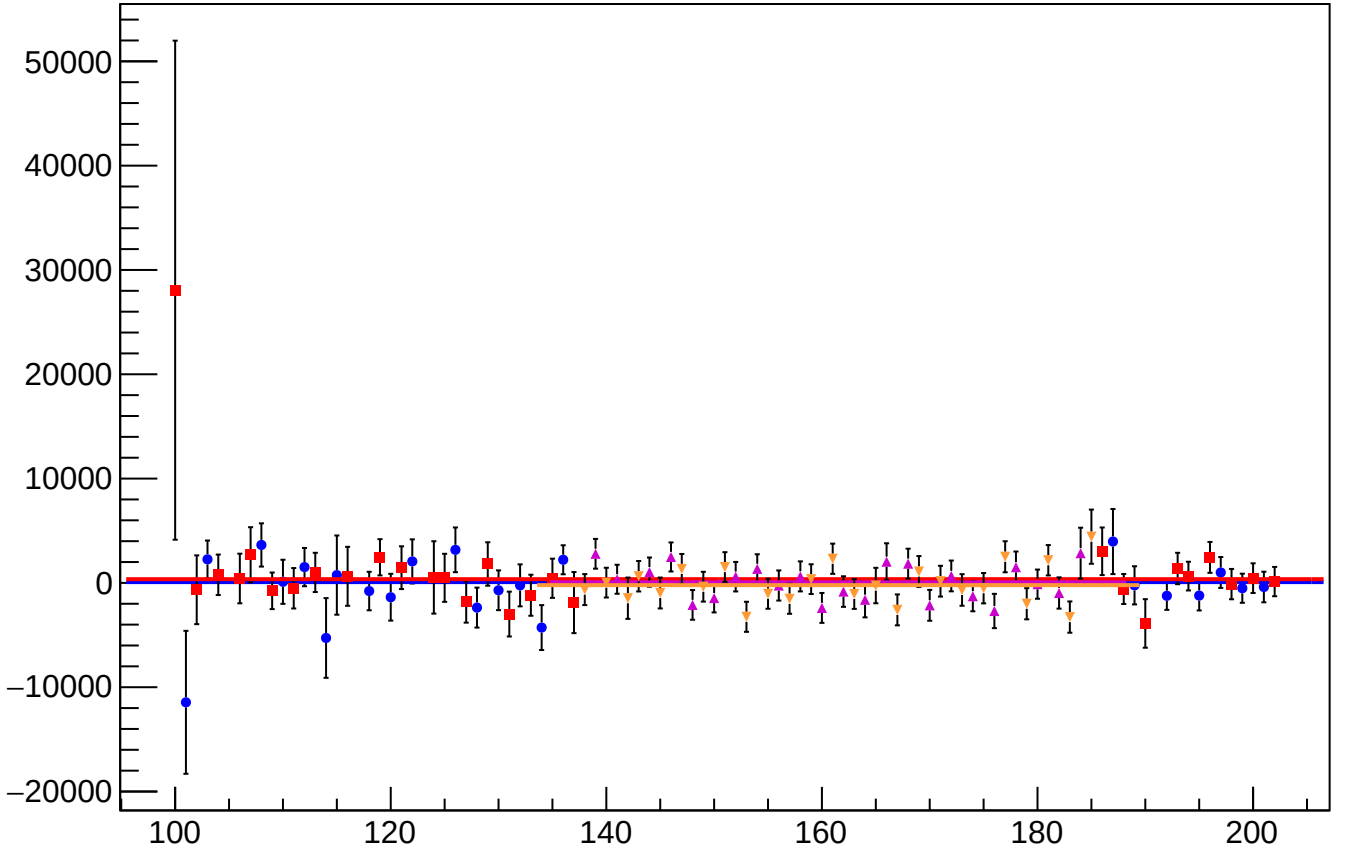
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 700.890+/-0.093 χ^2/NDF: 5831430.7/47

All: 719.344+/-0.067 χ^2/NDF: 12316564.4/98

- sign 739.358+/-0.097 χ^2/NDF: 6402624.9/50

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 76.405+/-390.310 χ^2/NDF: 25.8/22

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 357.442+/-361.880 χ^2/NDF: 17.8/27

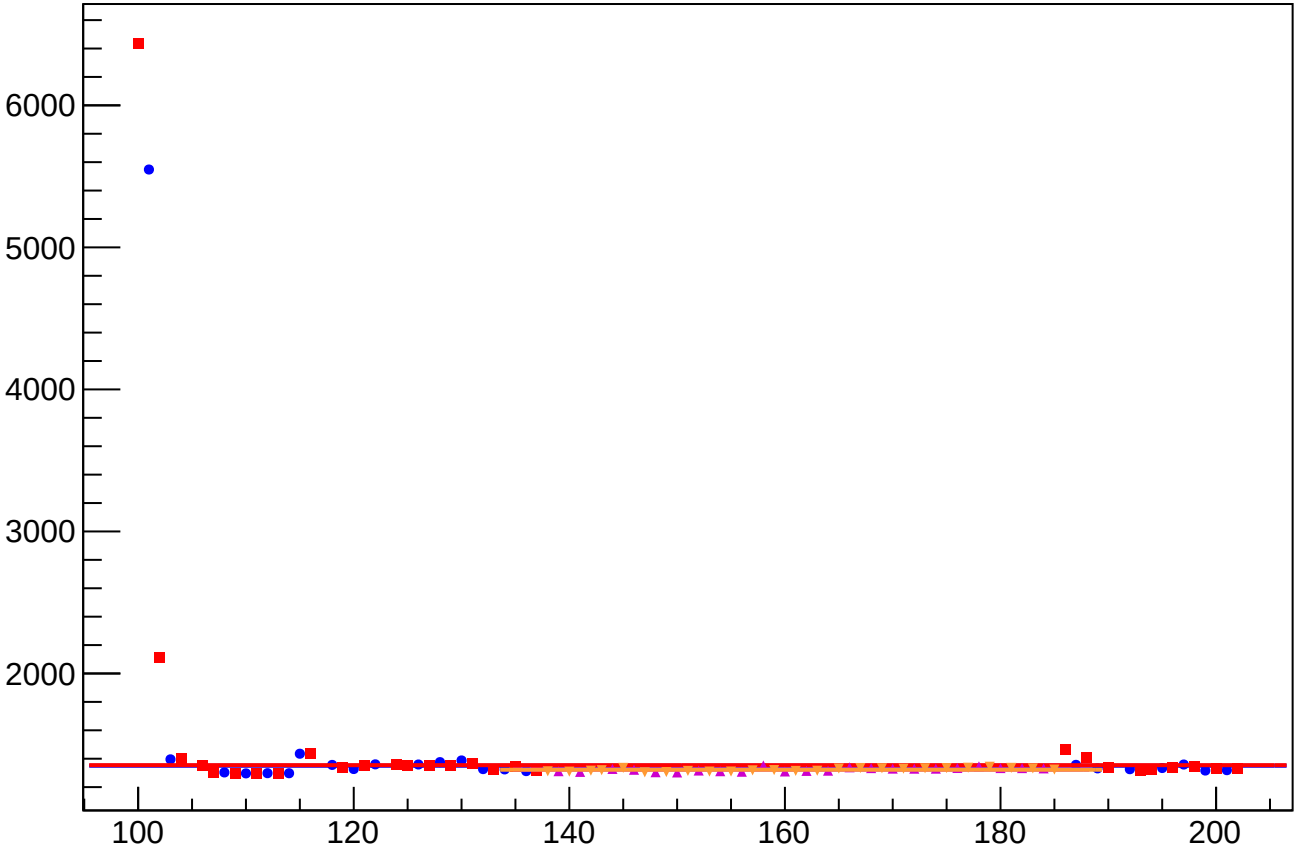
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -106.629+/-238.046 χ^2/NDF: 57.4/47

All: 38.426+/-167.231 χ^2/NDF: 104.2/98

- sign 179.772+/-234.983 χ^2/NDF: 46.1/50

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1350.552+/-0.276 χ^2/NDF: 763819.0/22

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

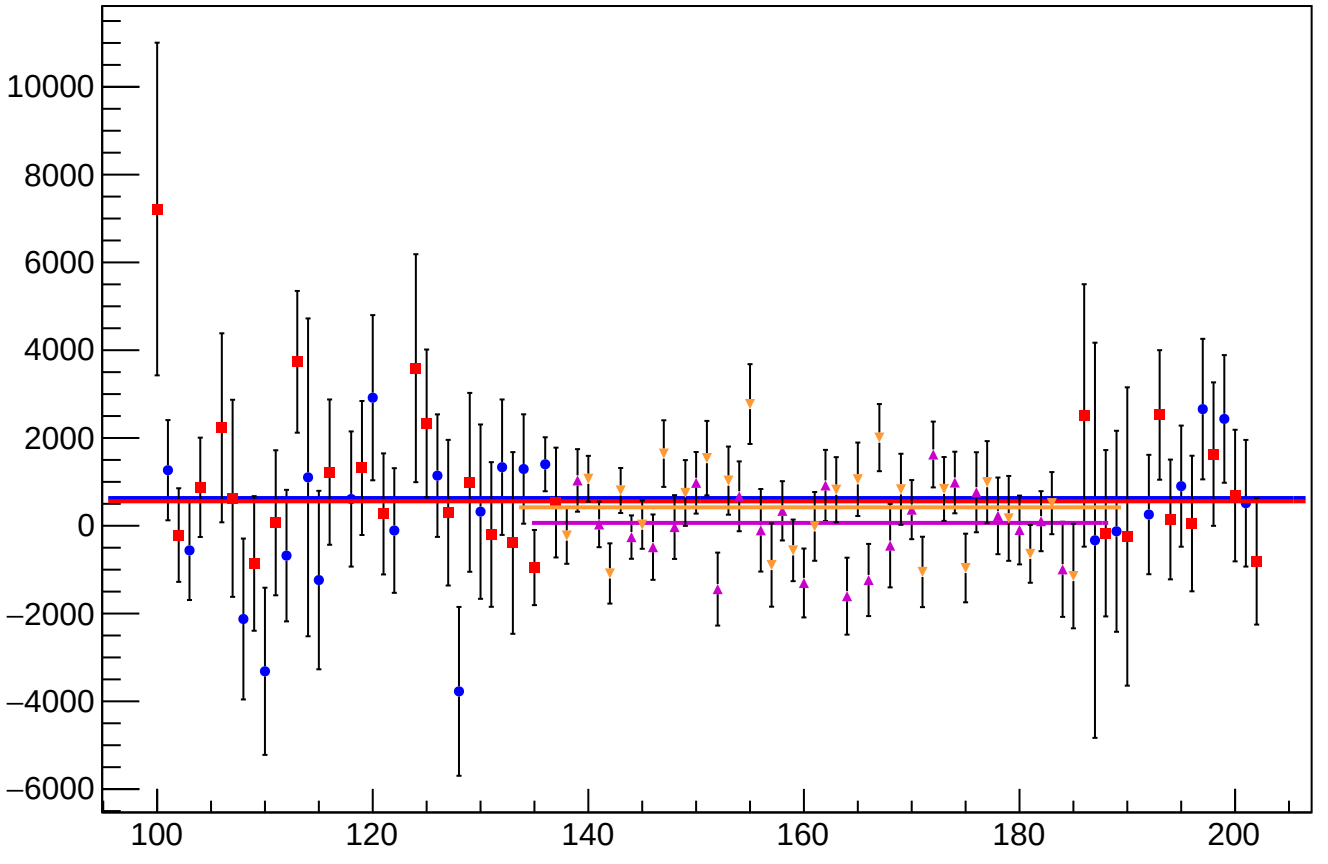
Right Out: 1354.558+/-0.256 χ^2/NDF: 217195.8/27

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.852+/-0.168 χ^2/NDF: 773300.0/47

All: 1334.700+/-0.118 χ^2/NDF: 1003199.9/98

- sign 1336.501+/-0.166 χ^2/NDF: 229661.8/50



Right In: 631.471+/-295.143 χ^2/NDF: 22.2/22

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 556.873+/-294.360 χ^2/NDF: 19.6/27

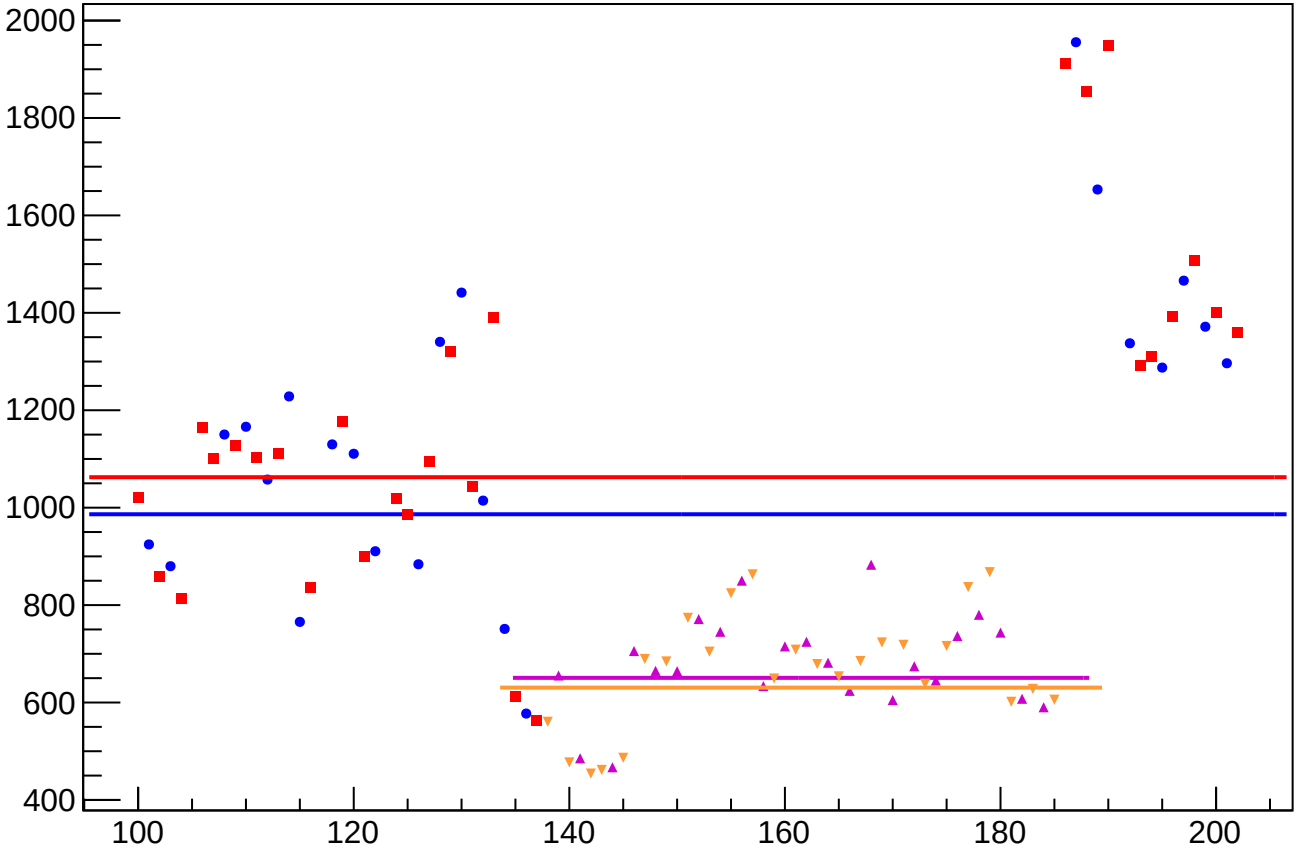
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 461.693+/-131.178 χ^2/NDF: 64.2/47

All: 322.365+/-94.619 χ^2/NDF: 115.3/98

- sign 171.258+/-136.610 χ^2/NDF: 48.8/50

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 986.462+/-0.209 χ^2/NDF: 2169521.1/22

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1062.564+/-0.208 χ^2/NDF: 2407460.4/27

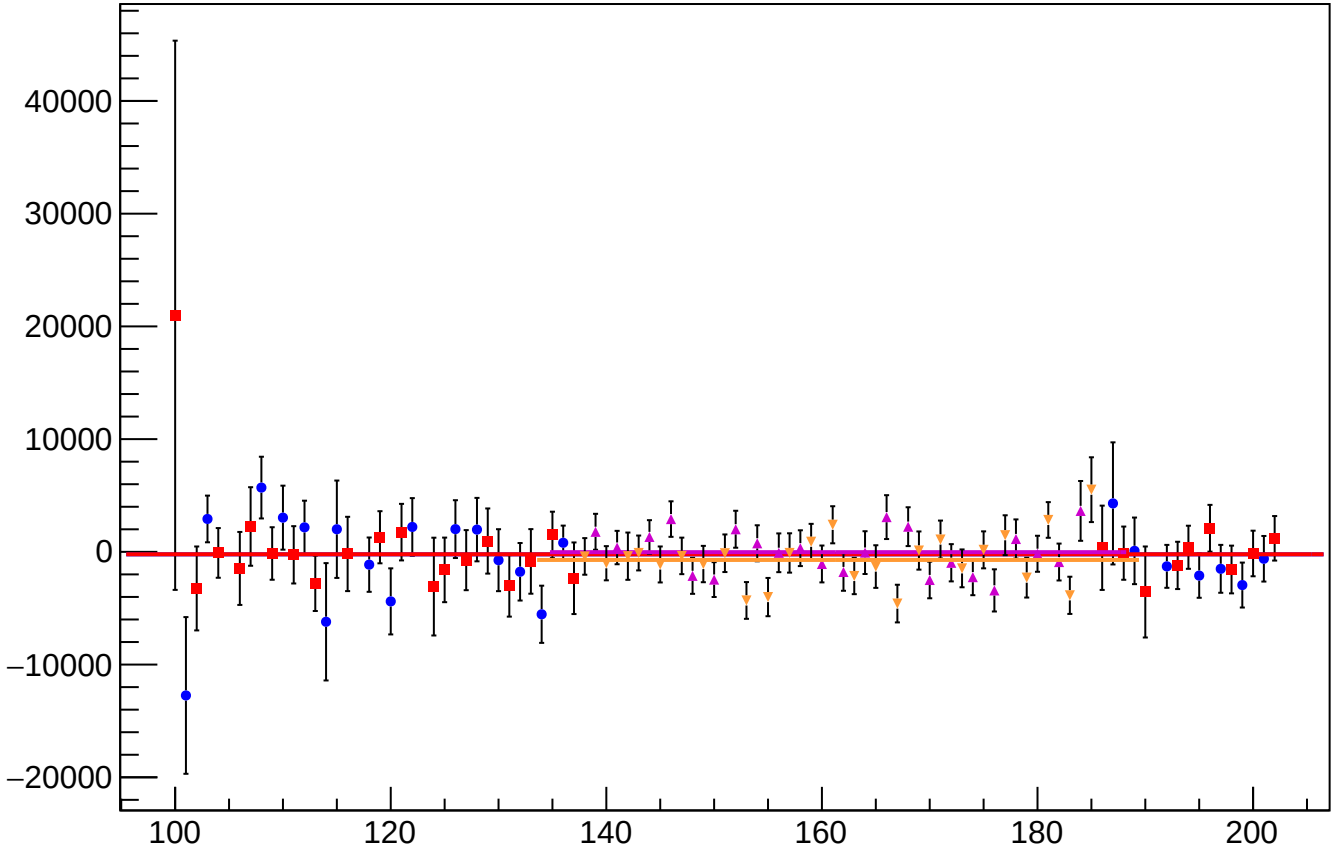
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 700.891+/-0.093 χ^2/NDF: 5831428.7/47

All: 719.345+/-0.067 χ^2/NDF: 12316543.5/98

- sign 739.359+/-0.097 χ^2/NDF: 6402603.7/50

asym_usr_atr1_dd_mean vs Slug



Right In: -223.899+/-514.797 χ^2/NDF: 28.0/22

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -214.347+/-488.176 χ^2/NDF: 10.5/27

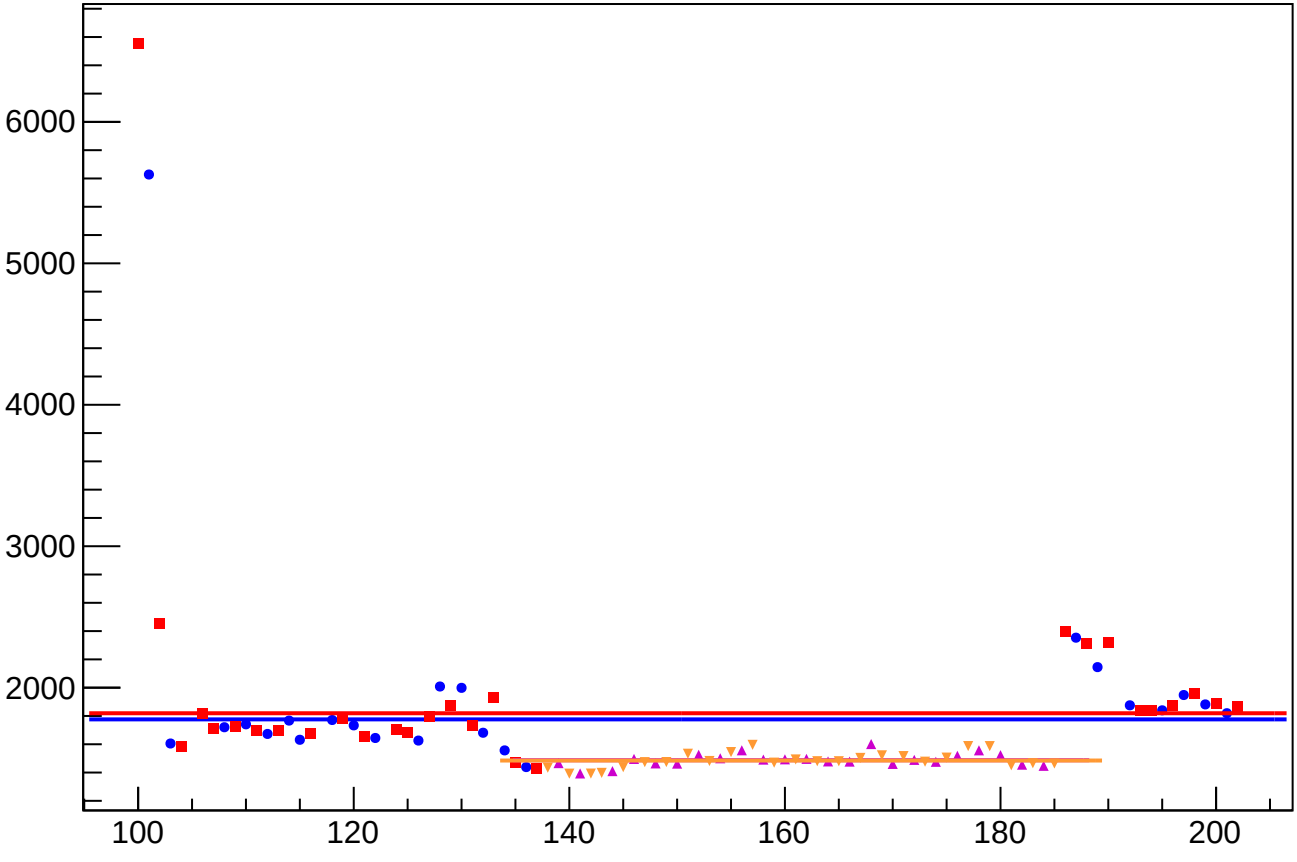
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -569.626+/-282.296 χ^2/NDF: 66.4/47

All: -330.619+/-199.881 χ^2/NDF: 106.5/98

- sign -90.326+/-283.054 χ^2/NDF: 38.6/50

asym_usr_atr1_dd_rms vs Slug



Right In: 1775.840+/-0.364 χ^2/NDF: 871214.8/22

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1819.192+/-0.345 χ^2/NDF: 462208.3/27

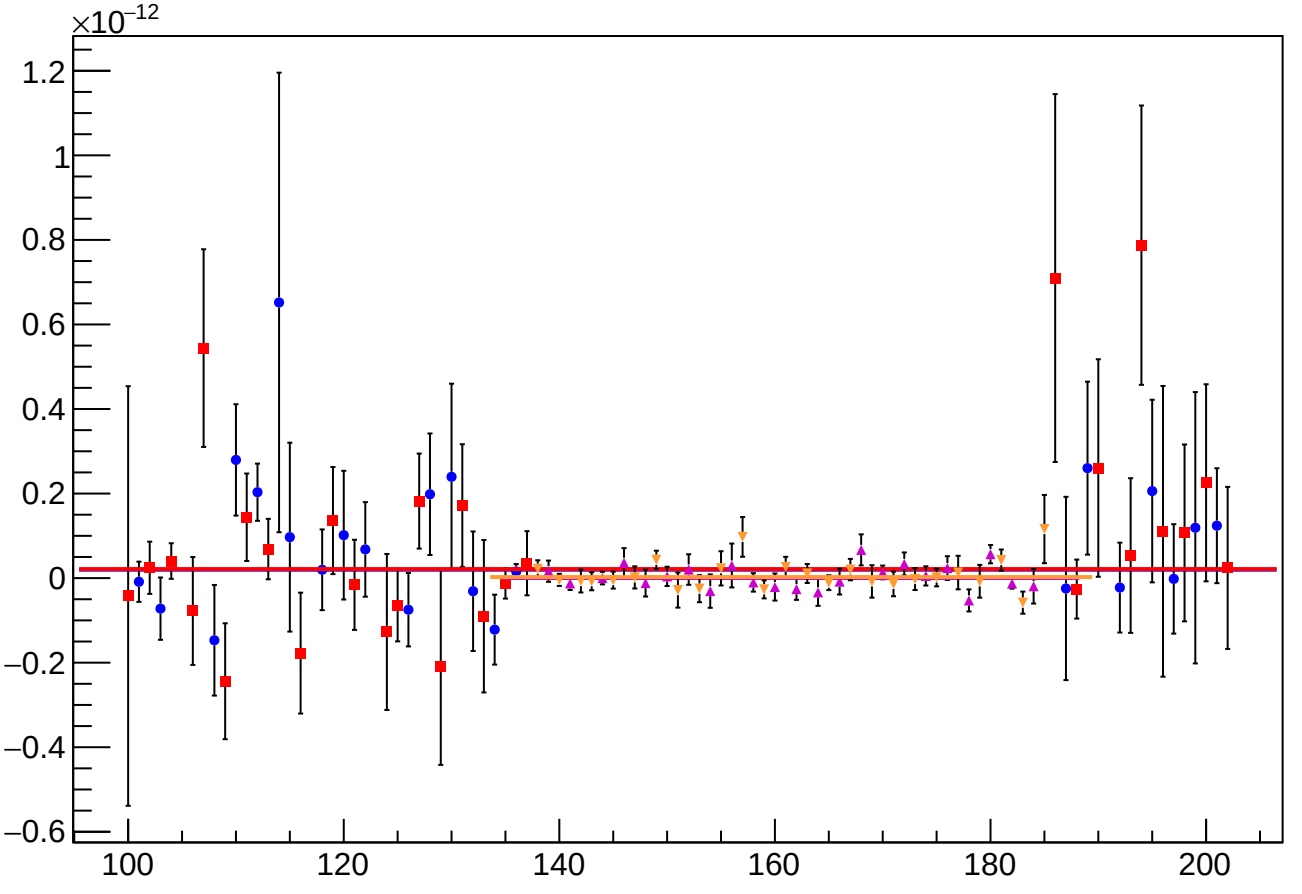
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1572.428+/-0.200 χ^2/NDF: 1368645.0/47

All: 1585.556+/-0.141 χ^2/NDF: 2488677.6/98

- sign 1598.755+/-0.200 χ^2/NDF: 1111358.9/50

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/27

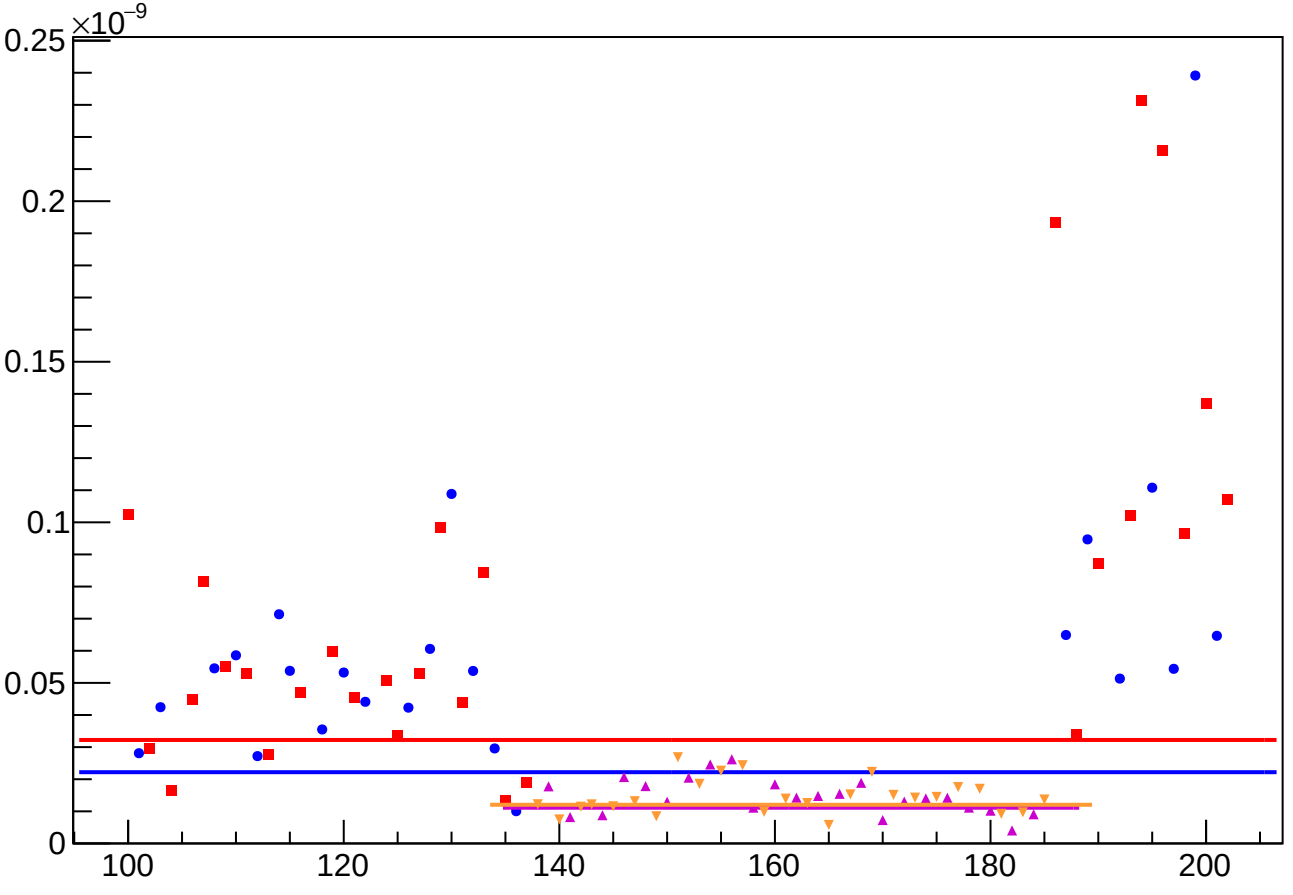
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/47

All: 0.000+/-0.000 χ^2/NDF: 111.4/98

- sign 0.000+/-0.000 χ^2/NDF: 57.8/50

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4397476.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4628342.8/27

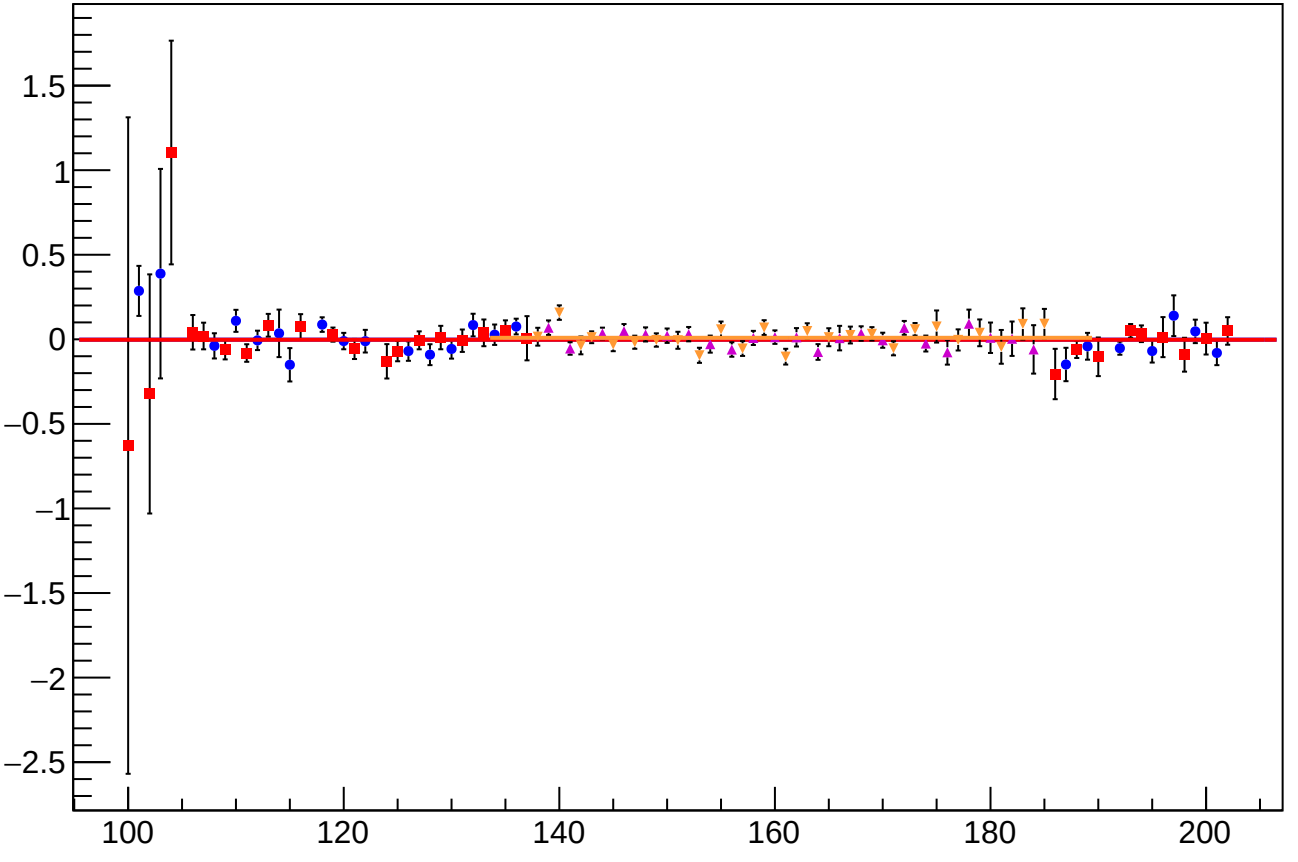
Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6853330.9/47

All: 0.000+/-0.000 χ^2/NDF: 16267916.2/98

- sign 0.000+/-0.000 χ^2/NDF: 9396409.0/50

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.013 χ^2/NDF: 31.3/22

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/27

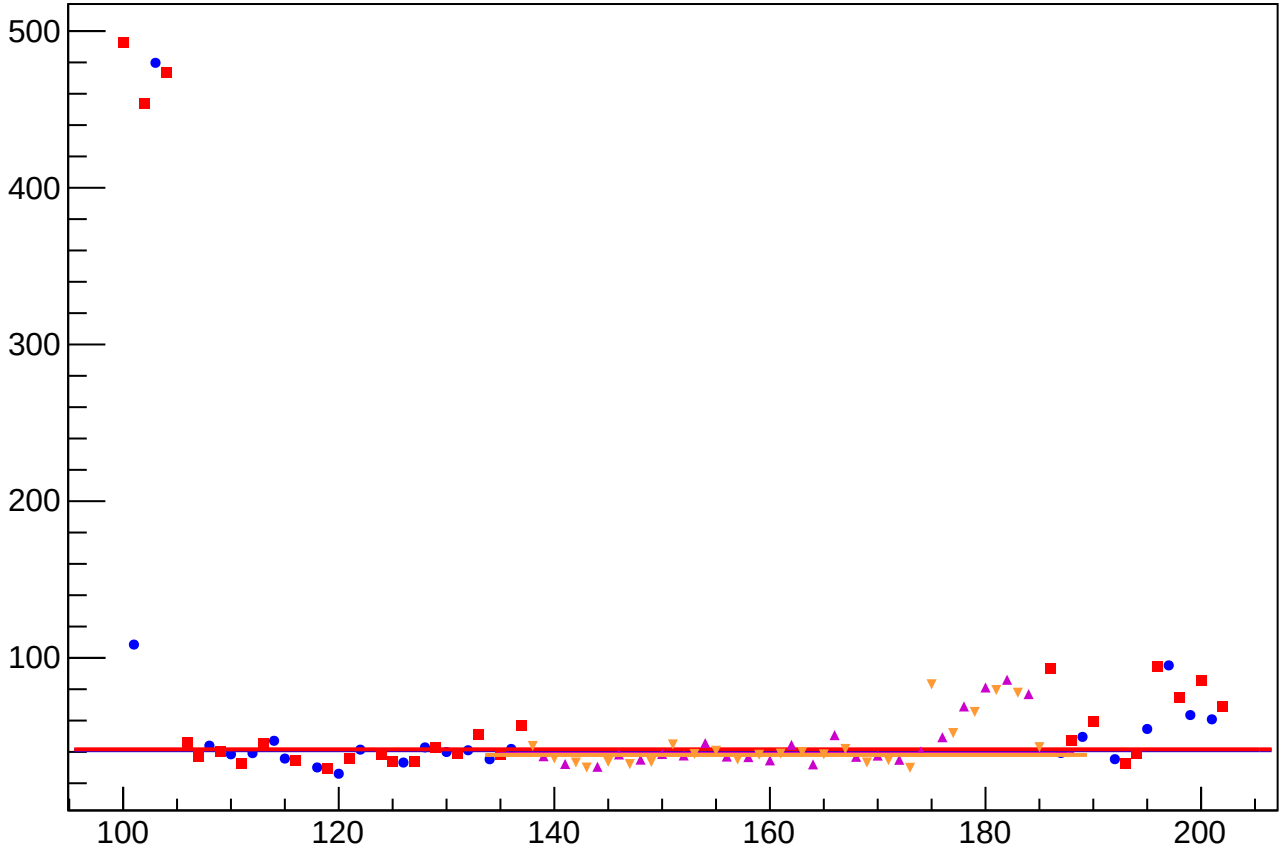
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.3/47

All: 0.005+/-0.006 χ^2/NDF: 111.8/98

- sign 0.004+/-0.008 χ^2/NDF: 41.5/50

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.099+/-0.009 χ^2/NDF: 2725695.1/22

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

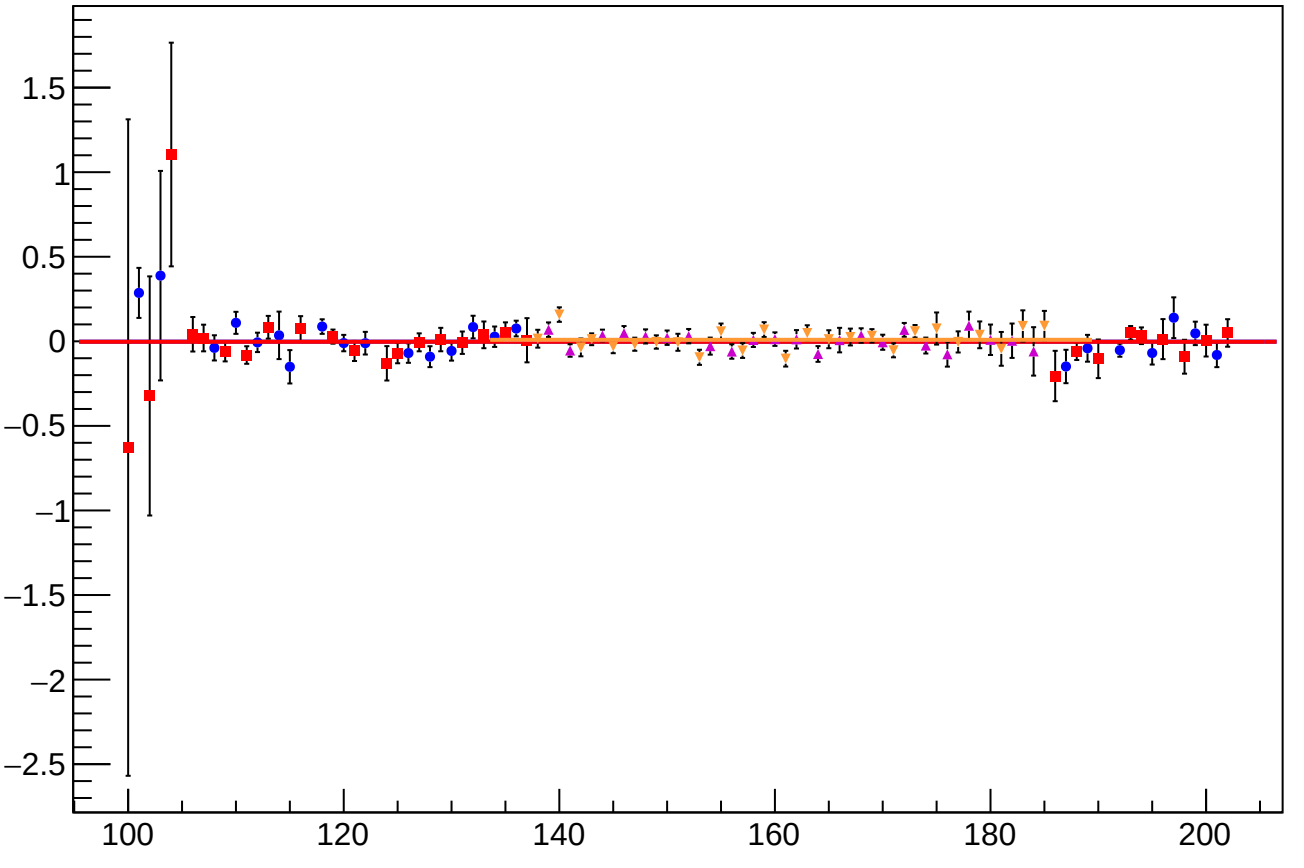
Right Out: 41.638+/-0.009 χ^2/NDF: 3778260.2/27

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.089+/-0.006 χ^2/NDF: 4760484.6/47

All: 39.404+/-0.004 χ^2/NDF: 10340238.5/98

- sign 39.728+/-0.006 χ^2/NDF: 5573124.4/50



Right In: -0.002+/-0.013 χ^2/NDF: 31.3/22

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/27

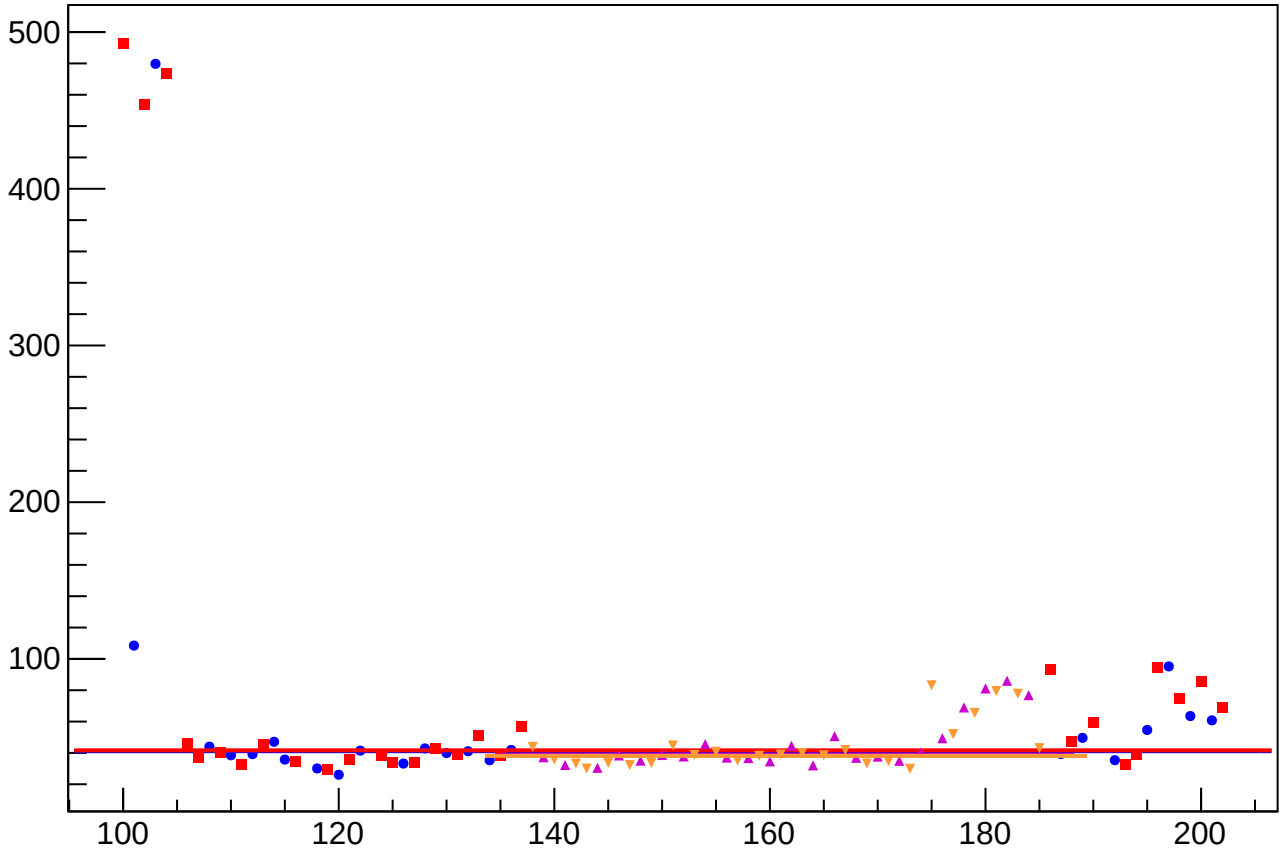
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.3/47

All: 0.005+/-0.006 χ^2/NDF: 111.8/98

- sign 0.004+/-0.008 χ^2/NDF: 41.5/50

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.099+/-0.009 χ^2/NDF: 2725695.1/22

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

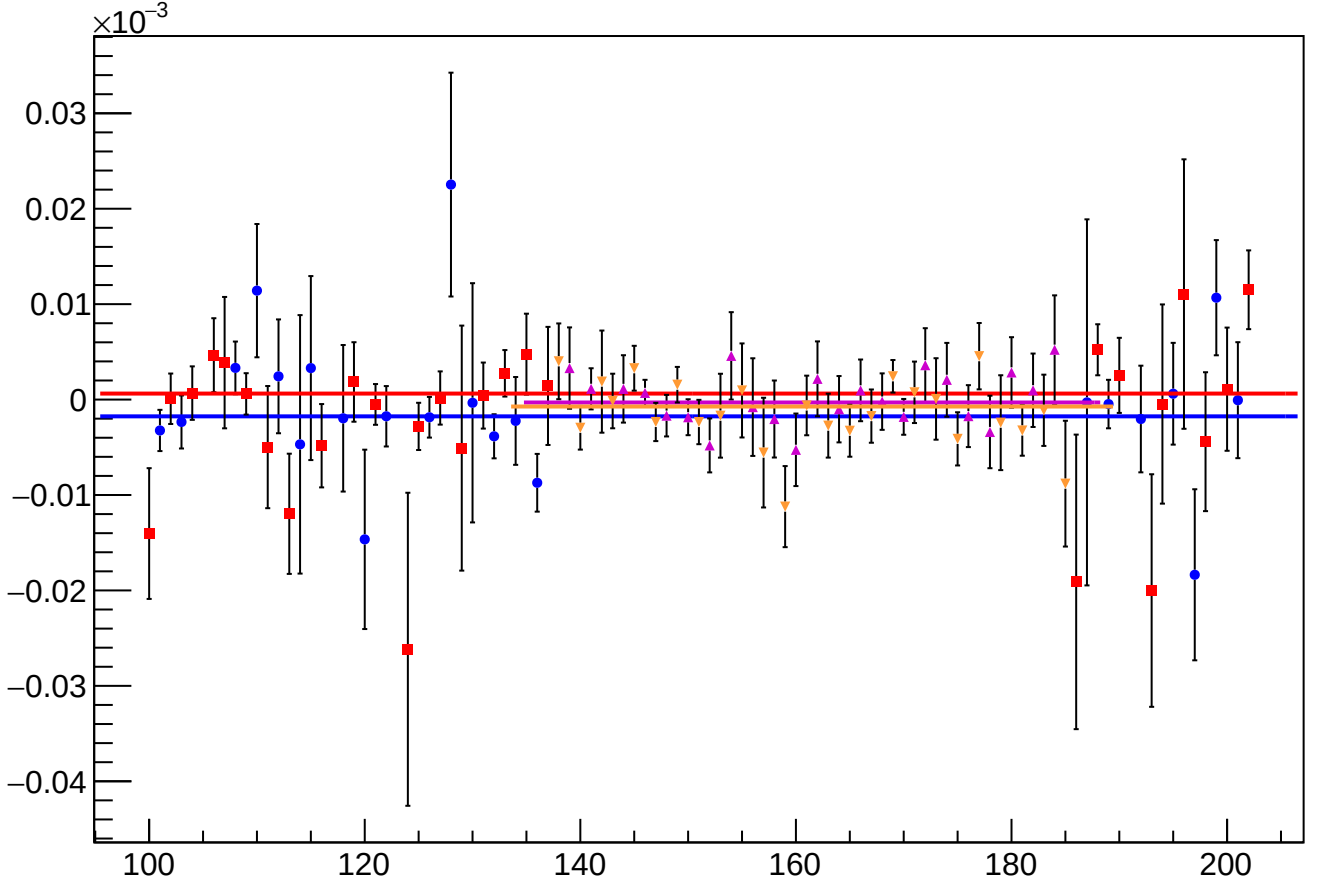
Right Out: 41.638+/-0.009 χ^2/NDF: 3778260.2/27

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 39.089+/-0.006 χ^2/NDF: 4760484.6/47

All: 39.404+/-0.004 χ^2/NDF: 10340238.5/98

\- sign 39.728+/-0.006 χ^2/NDF: 5573124.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

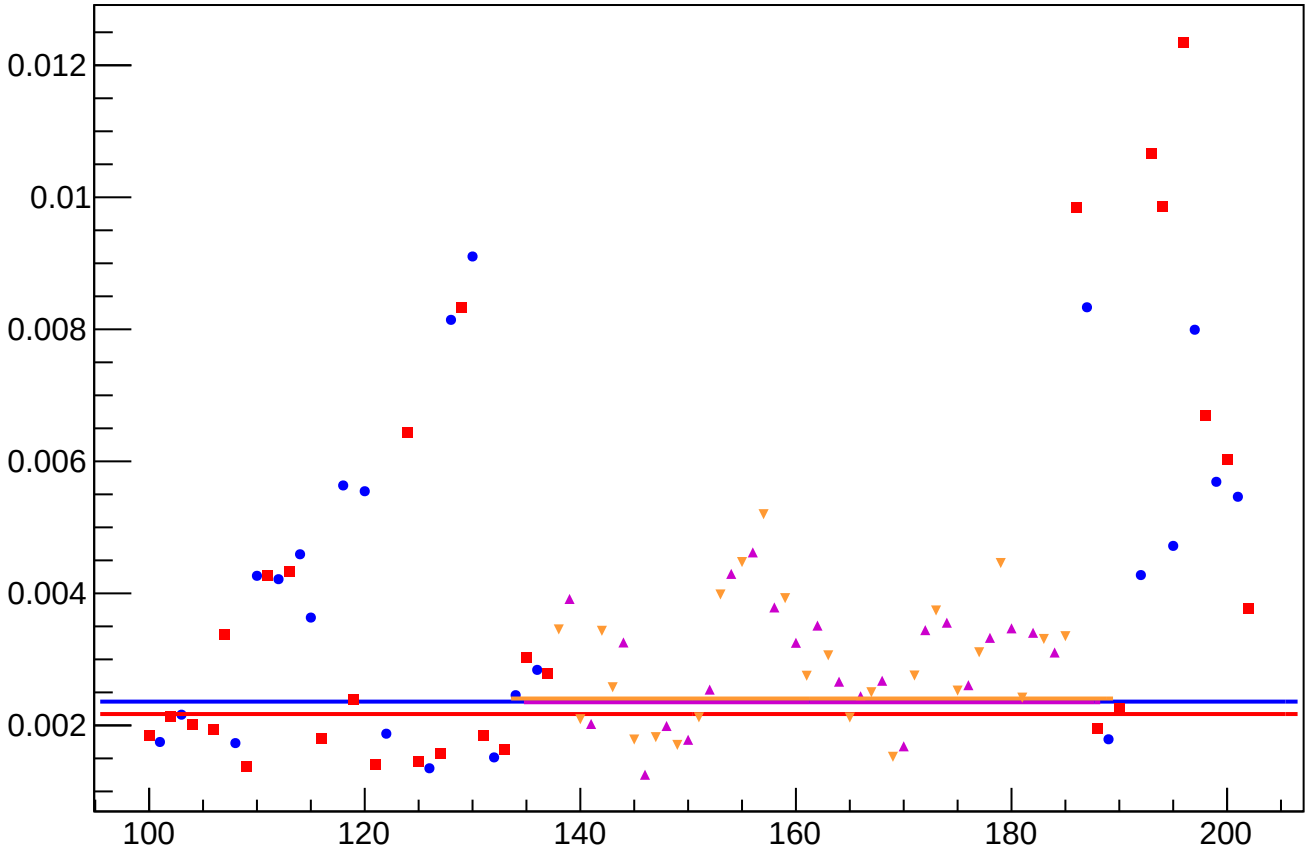
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/27

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/47

All: -0.000+/-0.000 χ^2/NDF: 109.1/98

- sign 0.000+/-0.000 χ^2/NDF: 49.6/50



Right In: 0.002+/-0.000 χ^2/NDF: 6021640.2/22

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

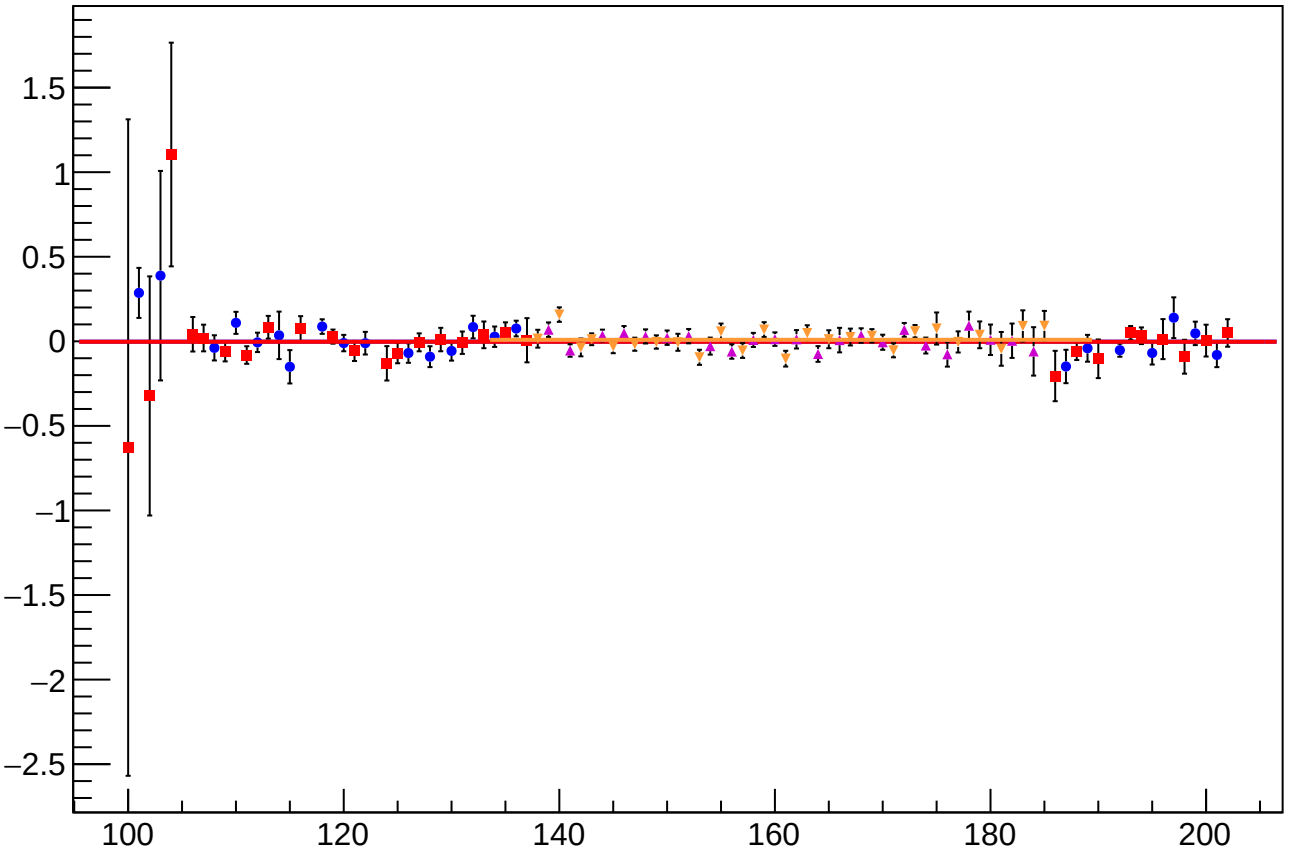
Right Out: 0.002+/-0.000 χ^2/NDF: 7543745.8/27

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

\+ sign 0.002+/-0.000 χ^2/NDF: 9709035.2/47

All: 0.002+/-0.000 χ^2/NDF: 21823279.3/98

\- sign 0.002+/-0.000 χ^2/NDF: 12055148.8/50



Right In: -0.002+/-0.013 χ^2/NDF: 31.3/22

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/27

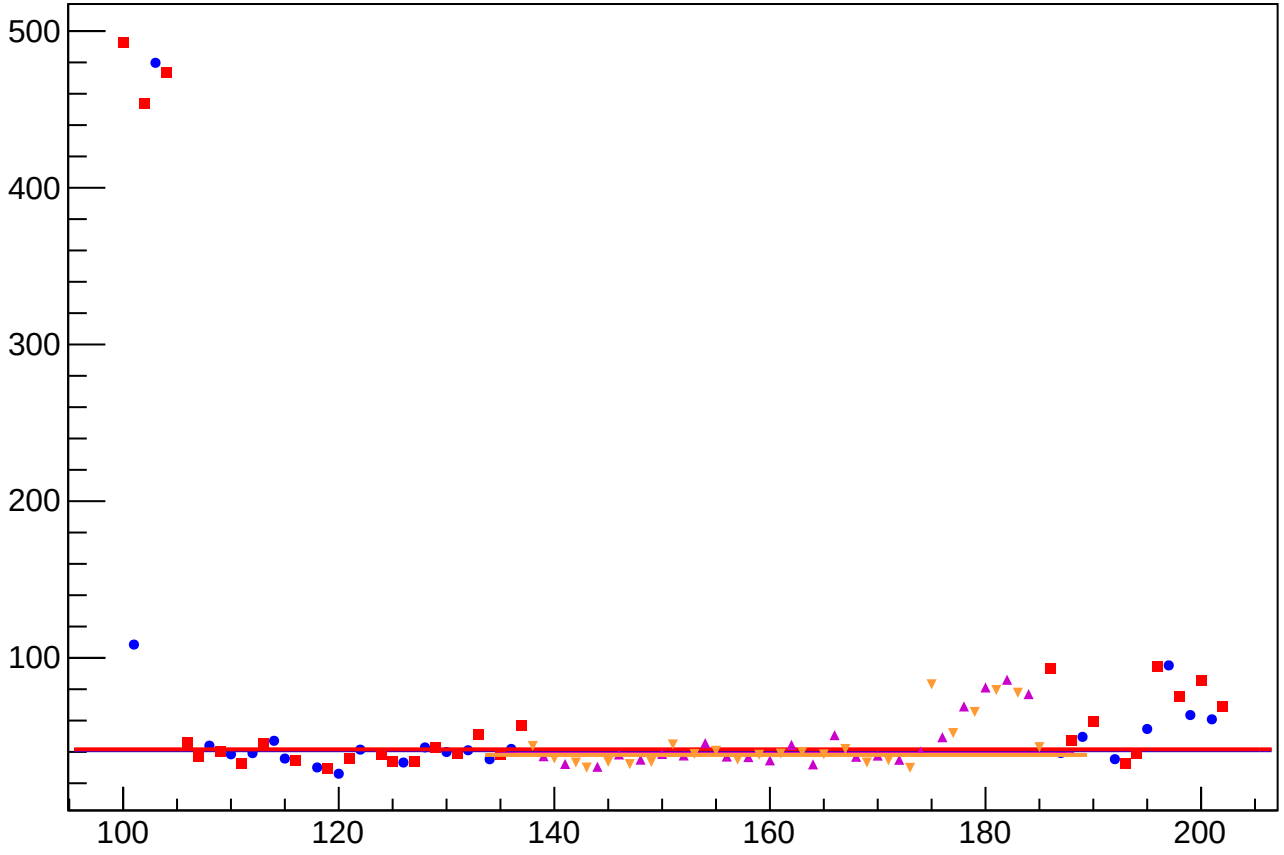
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.3/47

All: 0.005+/-0.006 χ^2/NDF: 111.8/98

- sign 0.004+/-0.008 χ^2/NDF: 41.5/50

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.098+/-0.009 χ^2/NDF: 2725832.9/22

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

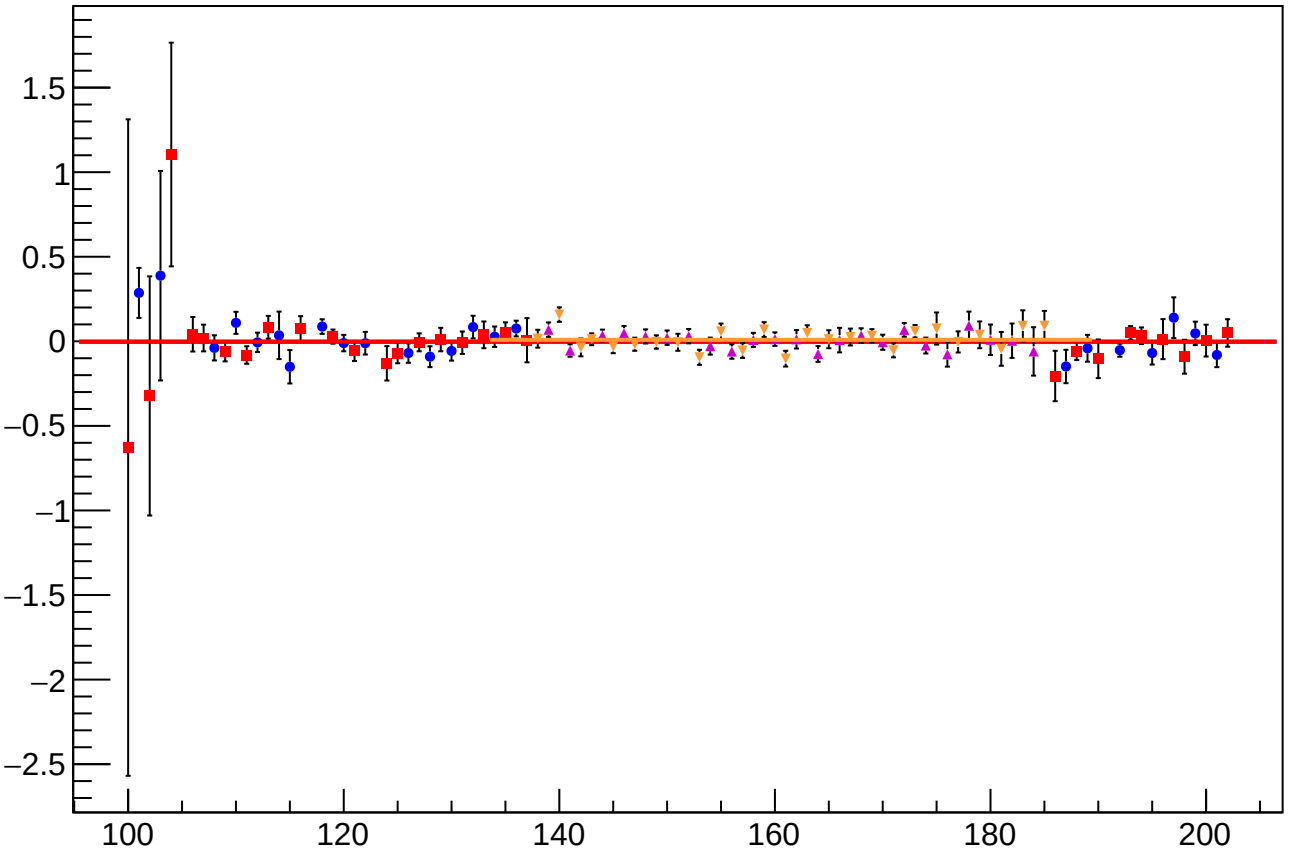
Right Out: 41.635+/-0.009 χ^2/NDF: 3778753.5/27

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 39.089+/-0.006 χ^2/NDF: 4760590.2/47

All: 39.403+/-0.004 χ^2/NDF: 10340715.4/98

\- sign 39.727+/-0.006 χ^2/NDF: 5573517.1/50



Right In: -0.002+/-0.013 χ^2/NDF: 31.3/22

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

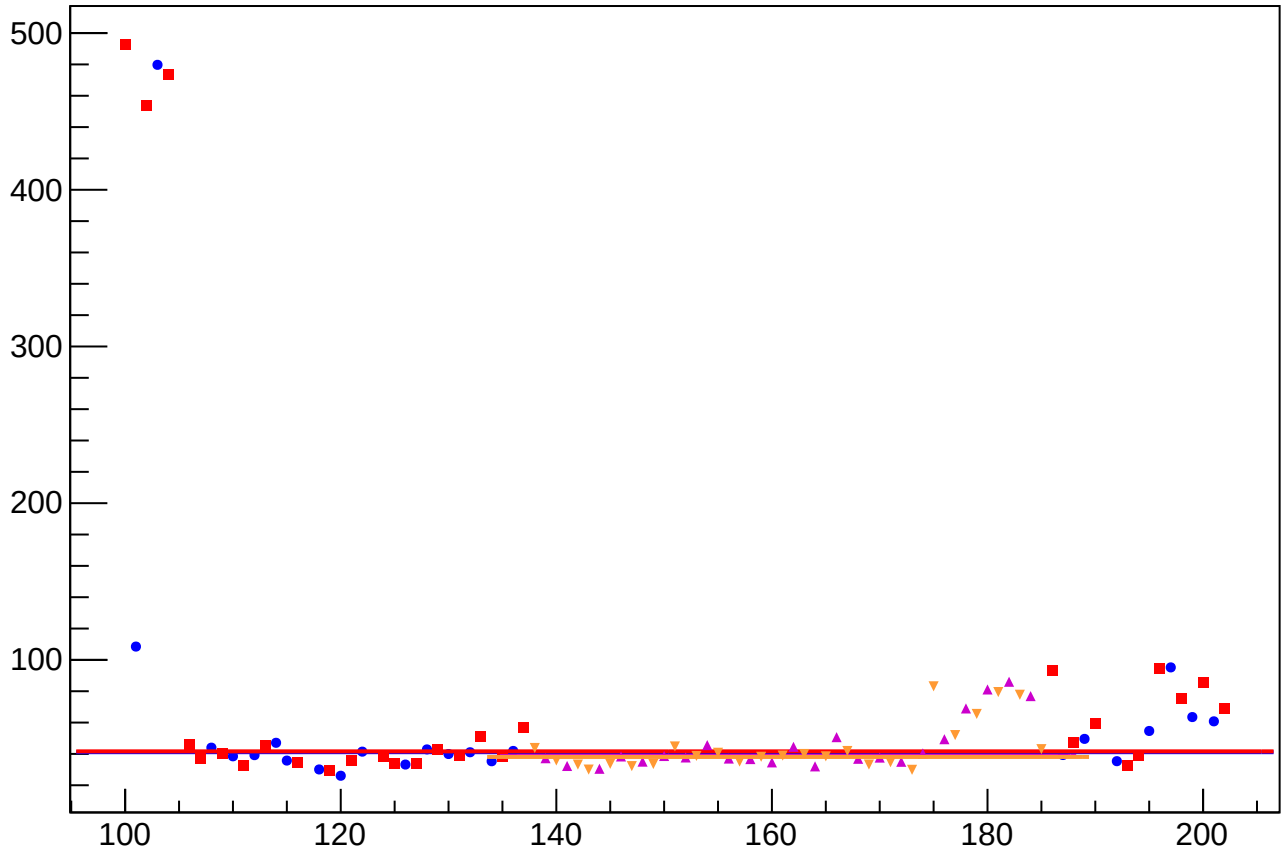
Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/27

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.3/47

All: 0.005+/-0.006 χ^2/NDF: 111.8/98

- sign 0.004+/-0.008 χ^2/NDF: 41.5/50



Right In: 41.098+/-0.009 χ^2/NDF: 2725832.9/22

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

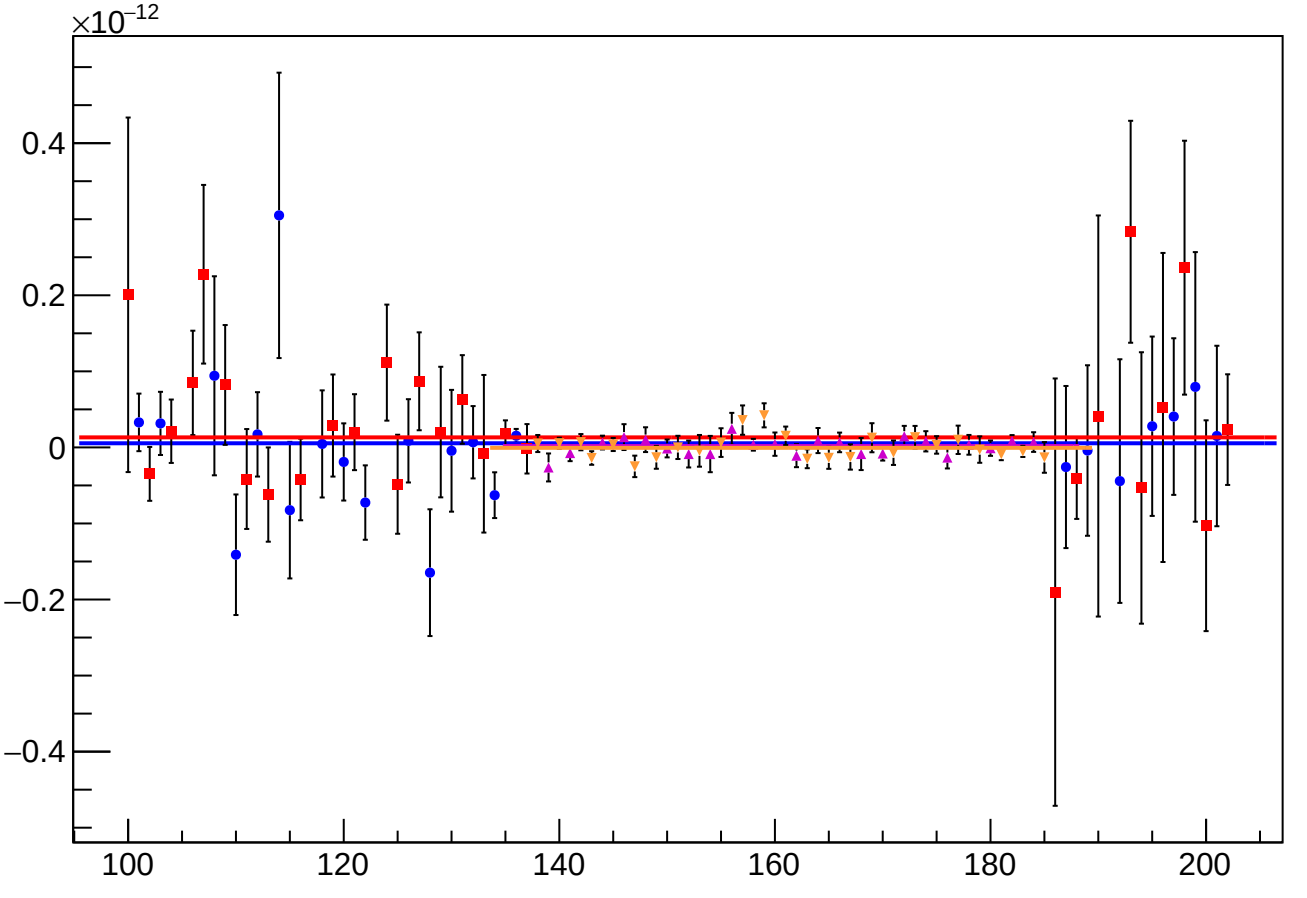
Right Out: 41.635+/-0.009 χ^2/NDF: 3778753.5/27

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 39.089+/-0.006 χ^2/NDF: 4760590.2/47

All: 39.403+/-0.004 χ^2/NDF: 10340715.4/98

\- sign 39.727+/-0.006 χ^2/NDF: 5573517.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

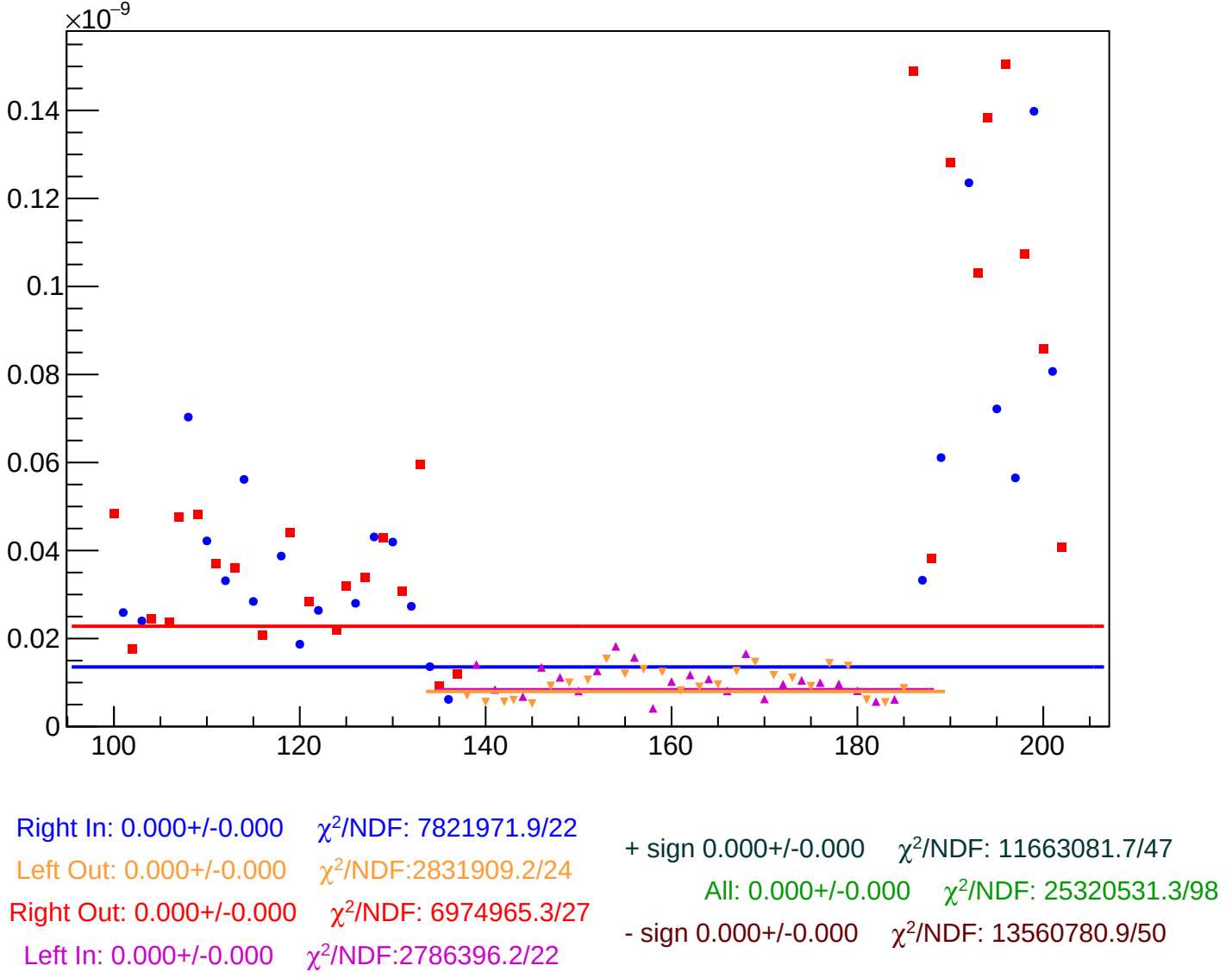
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/27

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

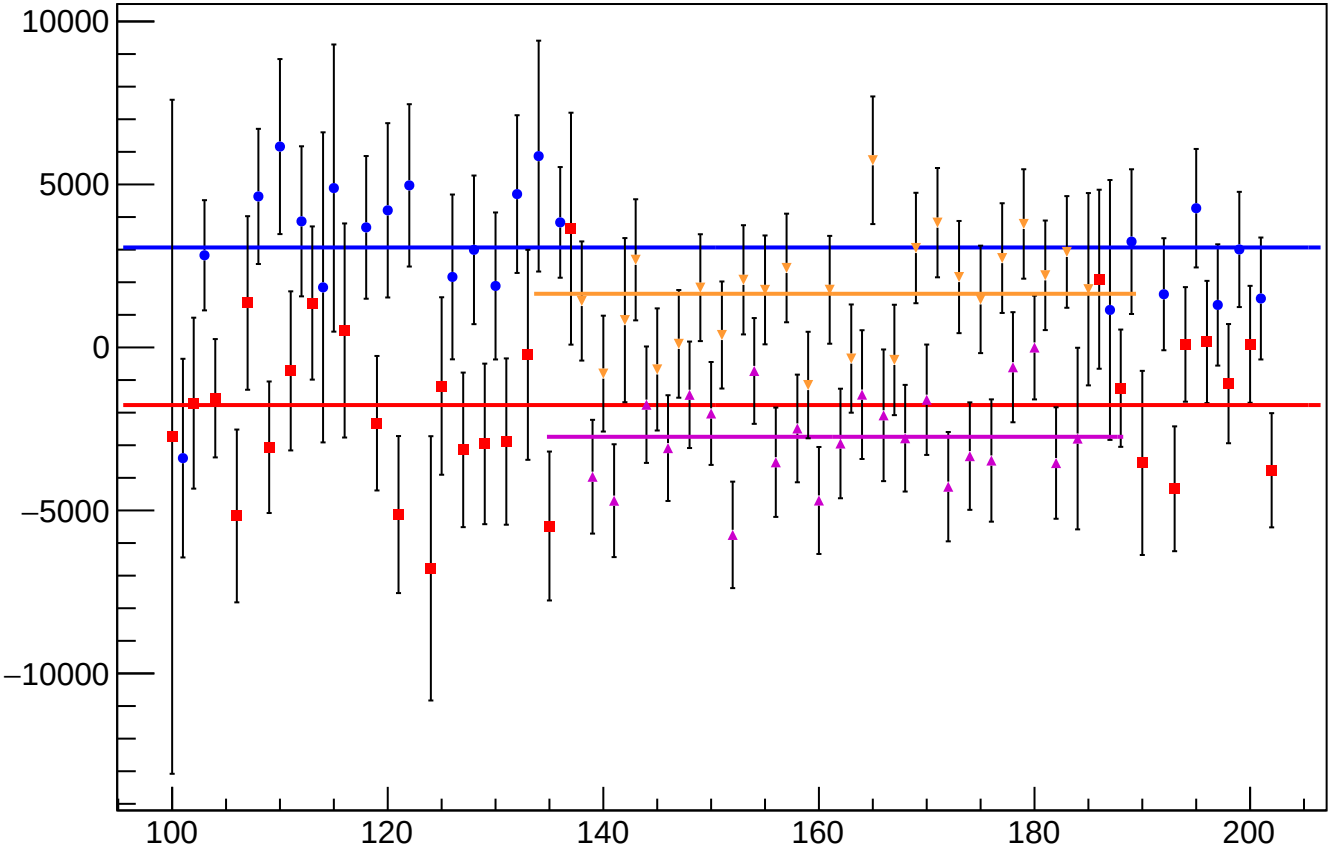
+ sign 0.000+/-0.000 χ^2/NDF: 49.7/47

All: 0.000+/-0.000 χ^2/NDF: 86.7/98

- sign 0.000+/-0.000 χ^2/NDF: 36.5/50


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7821971.9/22
Left Out: 0.000+/-0.000 χ²/NDF:2831909.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 6974965.3/27
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11663081.7/47
All: 0.000+/-0.000 χ²/NDF: 25320531.3/98
- sign 0.000+/-0.000 χ²/NDF: 13560780.9/50

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3067.107+/-467.820 χ^2/NDF: 12.3/22

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1767.317+/-435.183 χ^2/NDF: 24.4/27

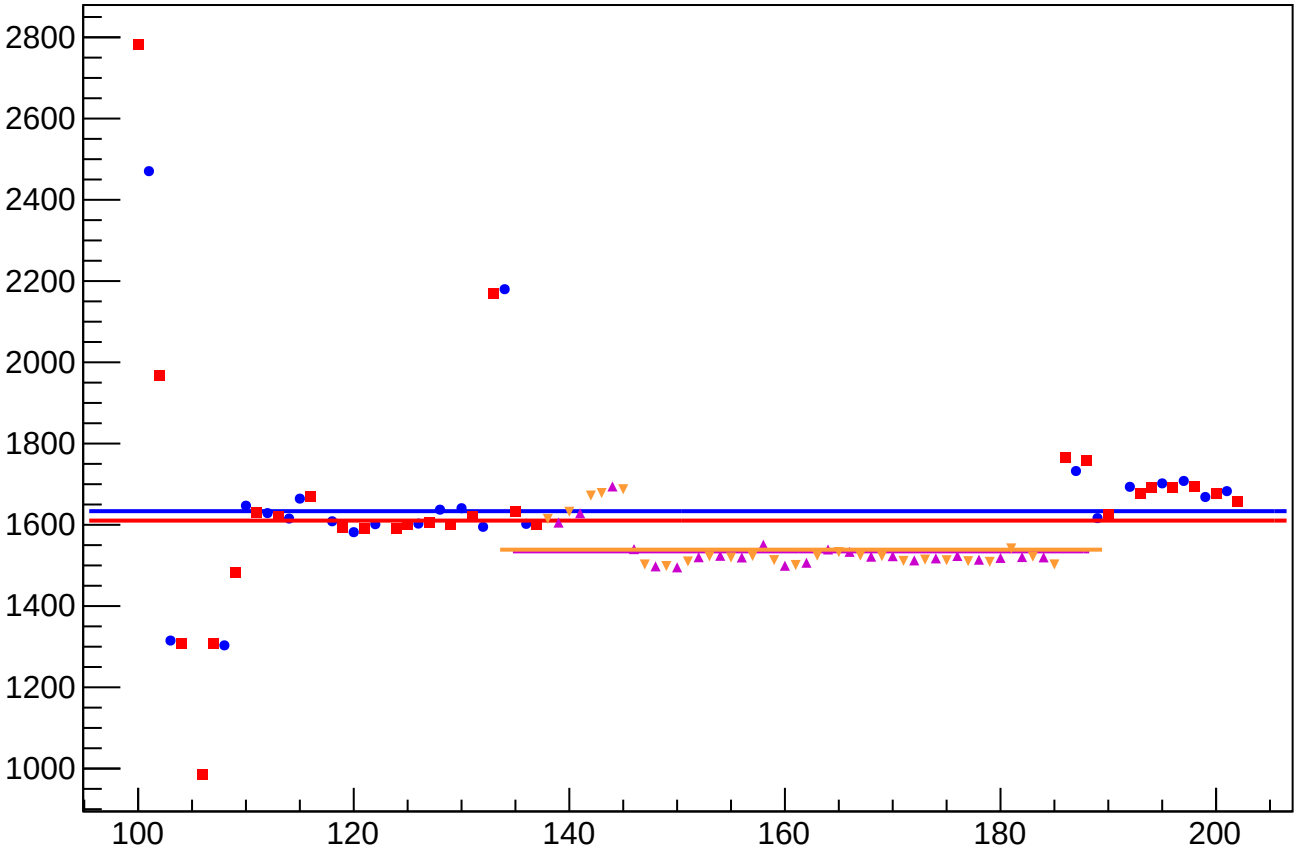
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2155.789+/-280.125 χ^2/NDF: 39.2/47

All: -123.630+/-196.850 χ^2/NDF: 213.9/98

- sign -2347.372+/-276.682 χ^2/NDF: 43.8/50

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1633.591+/-0.331 χ^2/NDF: 335313.2/22

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1610.369+/-0.305 χ^2/NDF: 440571.8/27

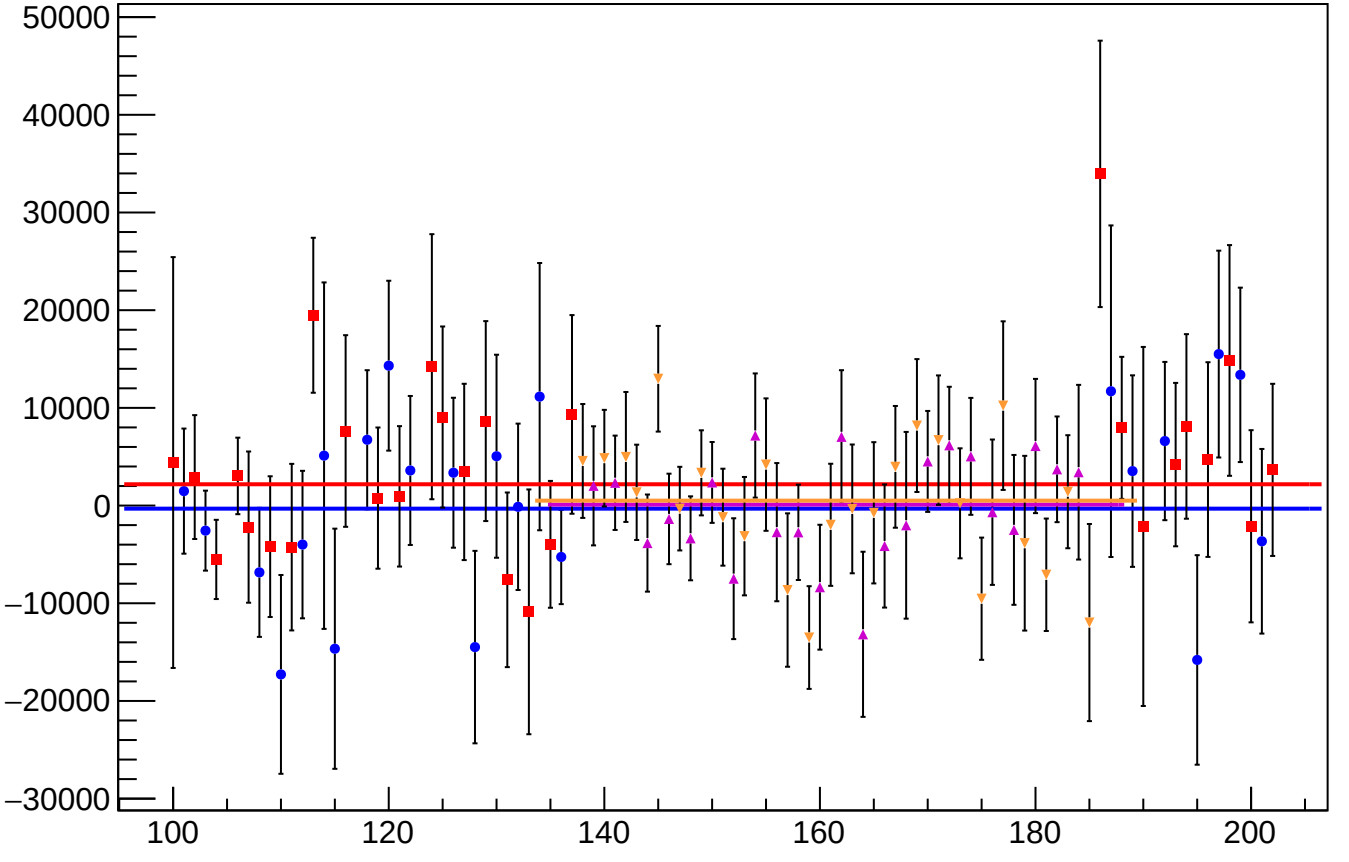
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1572.793+/-0.198 χ^2/NDF: 435029.5/47

All: 1569.126+/-0.139 χ^2/NDF: 943903.6/98

- sign 1565.576+/-0.195 χ^2/NDF: 508199.5/50

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -315.813+/-1659.287 χ^2/NDF: 22.4/22

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2181.437+/-1487.239 χ^2/NDF: 23.9/27

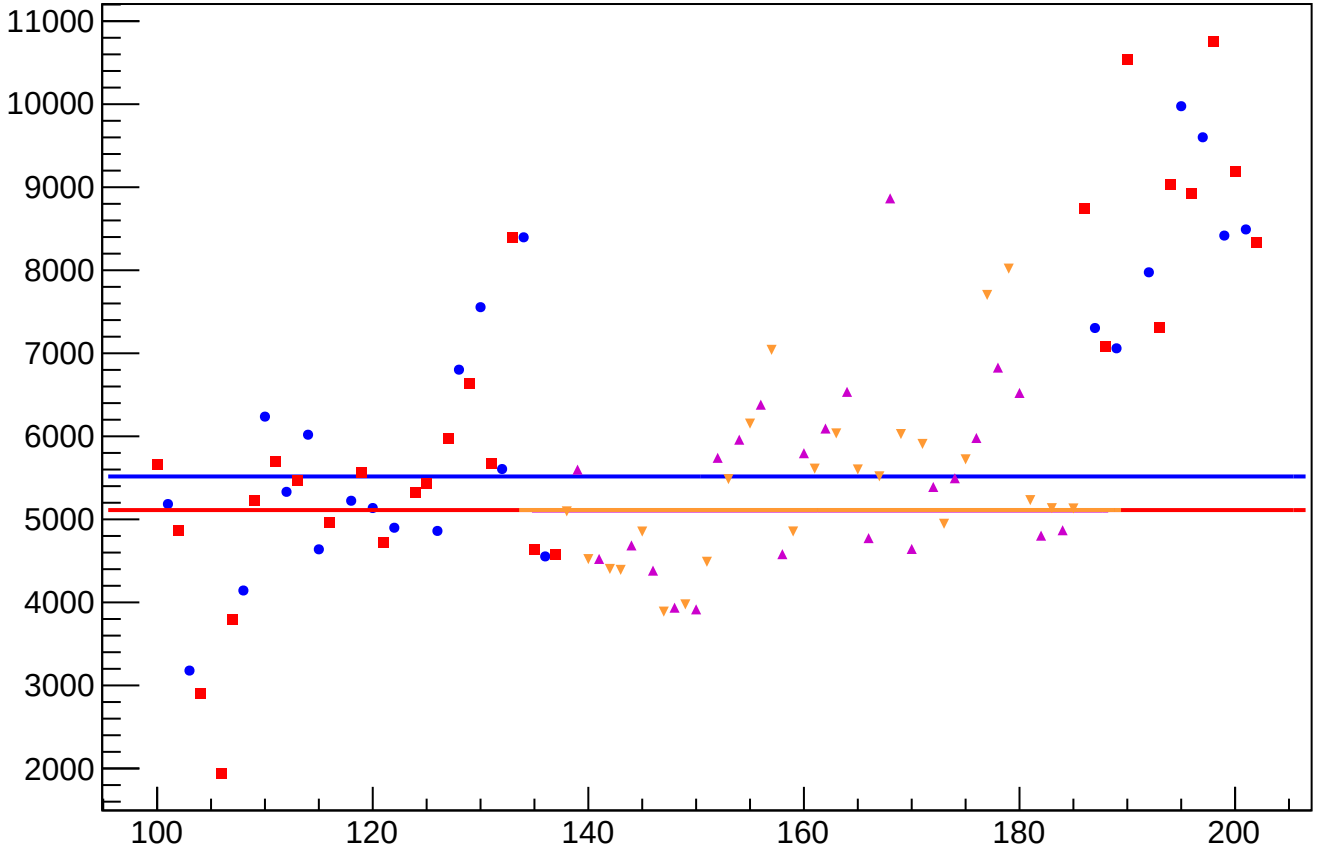
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 226.285+/-965.571 χ^2/NDF: 49.4/47

All: 588.841+/-674.320 χ^2/NDF: 89.6/98

- sign 934.003+/-942.125 χ^2/NDF: 40.0/50

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5516.582+/-1.173 χ^2/NDF: 2390785.7/22

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5111.829+/-1.052 χ^2/NDF: 4529446.7/27

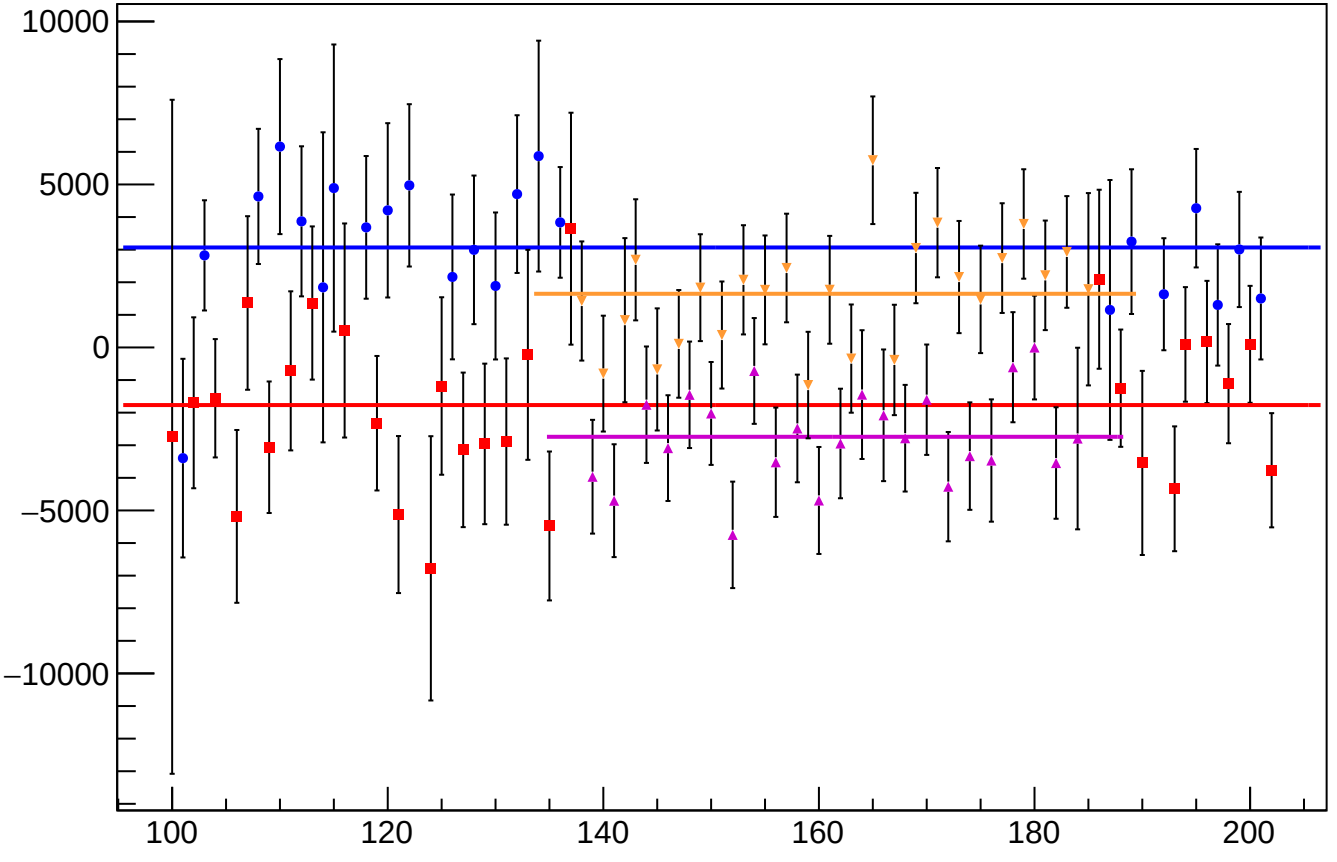
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5249.634+/-0.683 χ^2/NDF: 3628066.1/47

All: 5177.369+/-0.477 χ^2/NDF: 9431019.2/98

- sign 5108.570+/-0.666 χ^2/NDF: 5781085.0/50

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3066.964+/-467.820 χ^2/NDF: 12.3/22

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1767.304+/-435.184 χ^2/NDF: 24.4/27

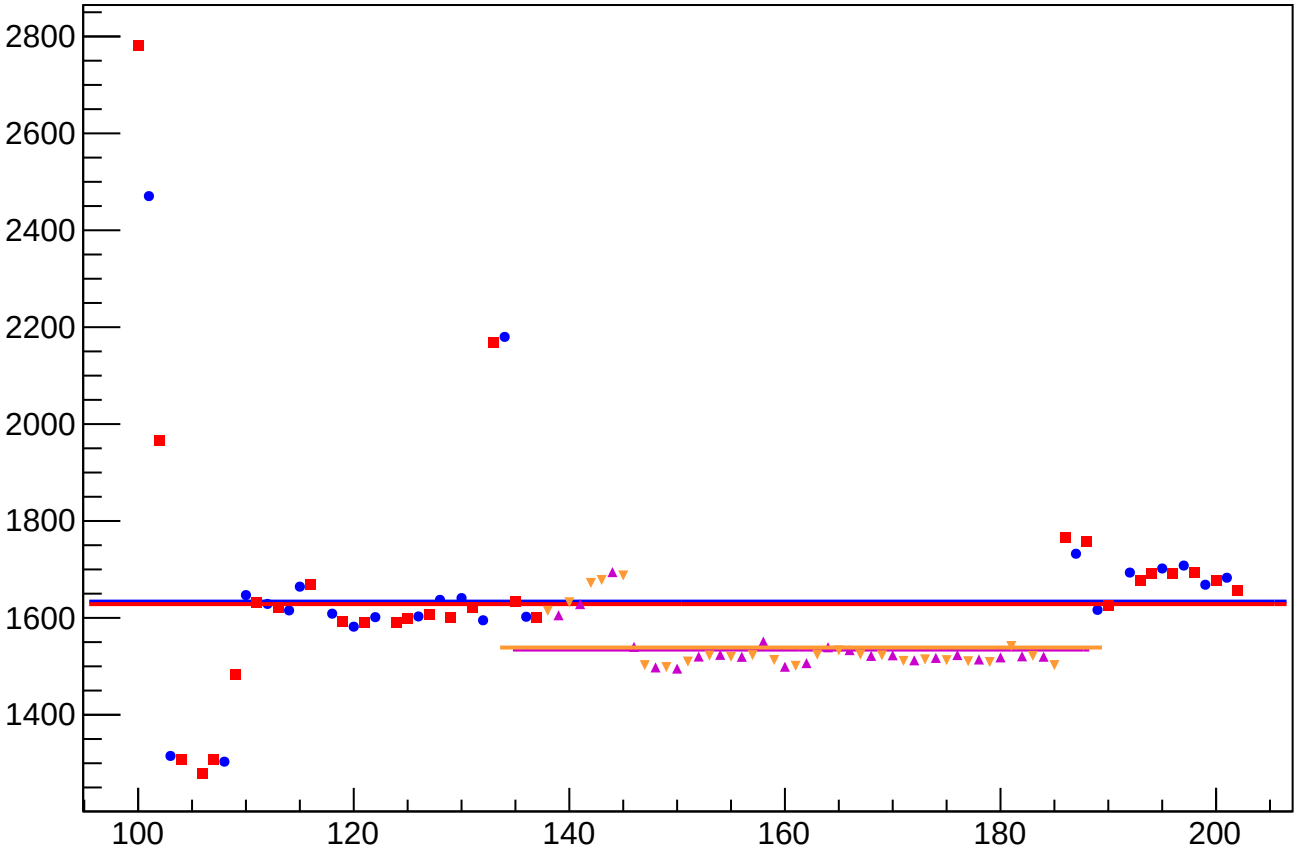
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2155.669+/-280.125 χ^2/NDF: 39.2/47

All: -123.656+/-196.850 χ^2/NDF: 213.9/98

- sign -2347.309+/-276.682 χ^2/NDF: 43.8/50

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1633.591+/-0.331 χ^2/NDF: 335312.2/22

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

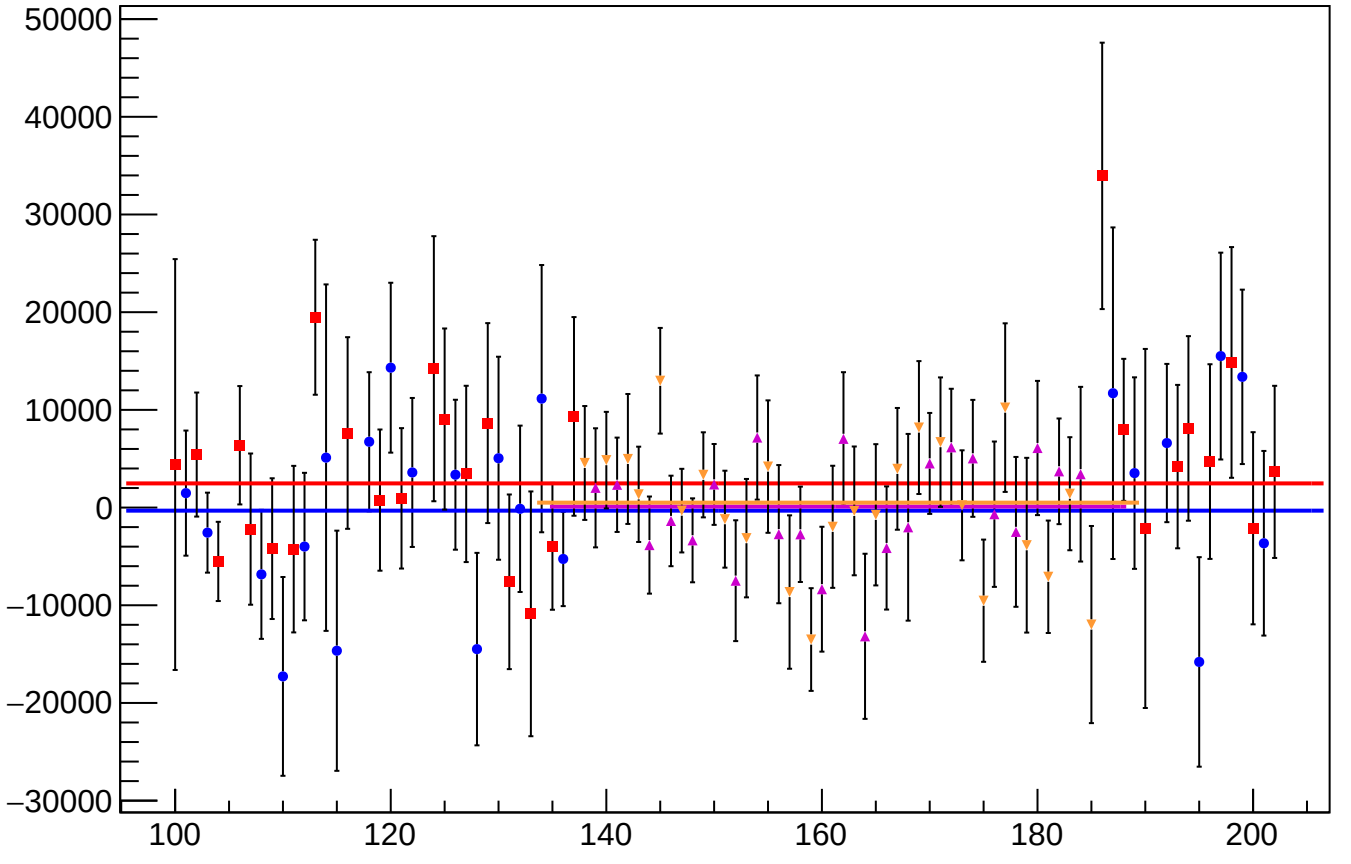
Right Out: 1628.424+/-0.307 χ^2/NDF: 285508.2/27

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1572.793+/-0.198 χ^2/NDF: 435028.7/47

All: 1572.711+/-0.139 χ^2/NDF: 807169.0/98

- sign 1572.632+/-0.195 χ^2/NDF: 372139.9/50



Right In: -315.924+/-1659.314 χ^2/NDF: 22.4/22

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2473.800+/-1553.999 χ^2/NDF: 24.6/27

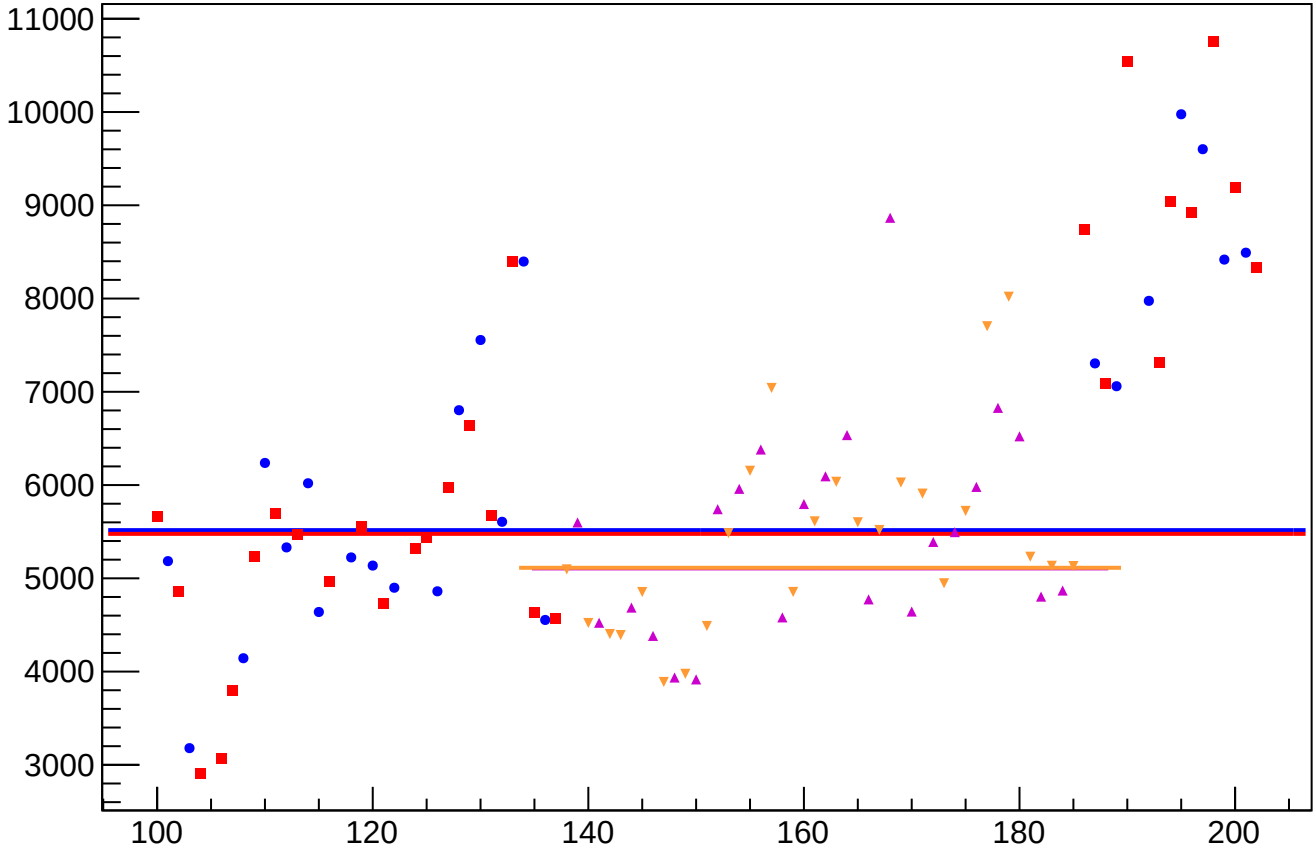
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 226.256+/-965.575 χ^2/NDF: 49.4/47

All: 616.842+/-680.225 χ^2/NDF: 90.6/98

- sign 1001.670+/-958.431 χ^2/NDF: 40.9/50

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5516.715+/-1.173 χ^2/NDF: 2390466.8/22

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5476.742+/-1.099 χ^2/NDF: 3334453.7/27

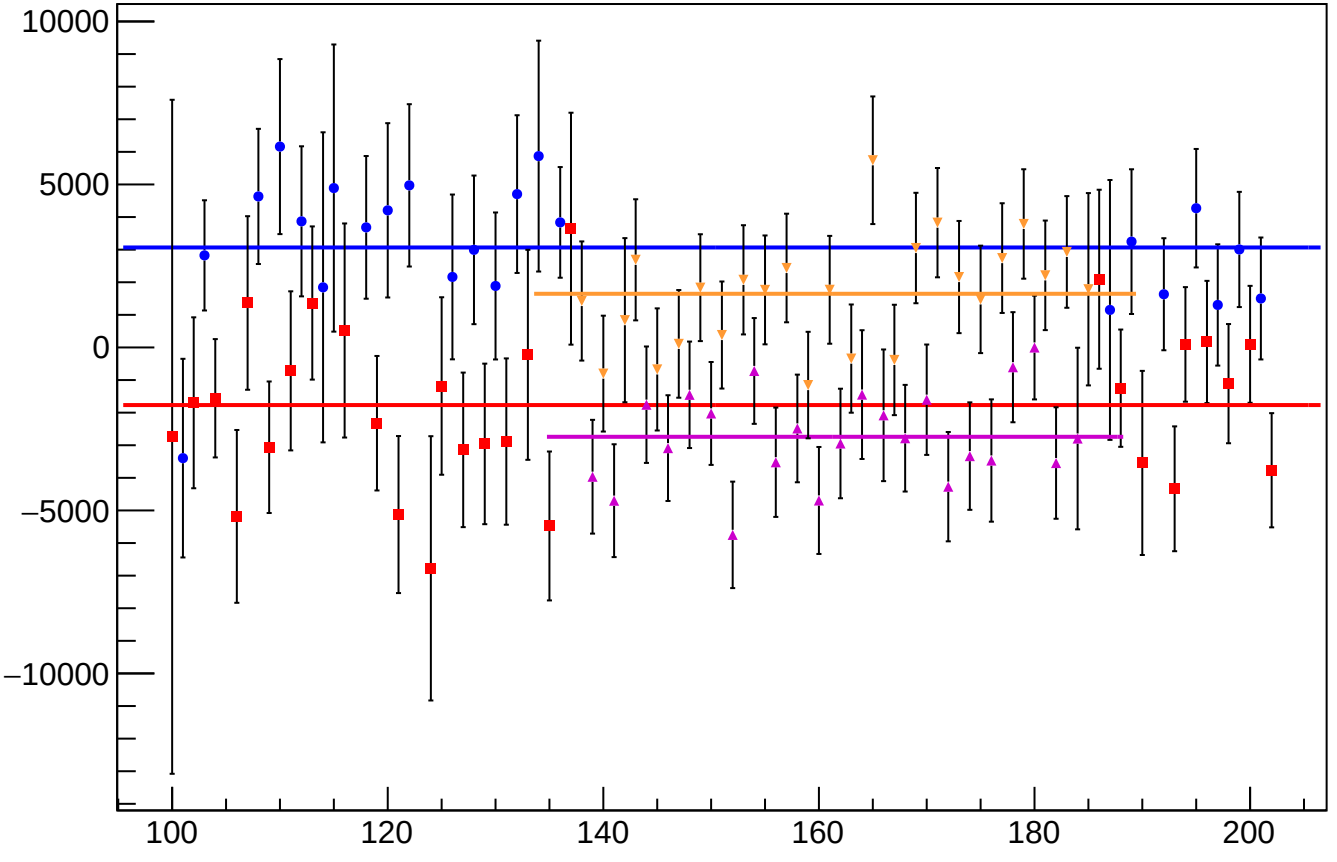
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5249.671+/-0.683 χ^2/NDF: 3627812.7/47

All: 5248.458+/-0.481 χ^2/NDF: 8284283.0/98

- sign 5247.262+/-0.678 χ^2/NDF: 4656464.1/50

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3066.964+/-467.820 χ^2/NDF: 12.3/22

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1767.304+/-435.184 χ^2/NDF: 24.4/27

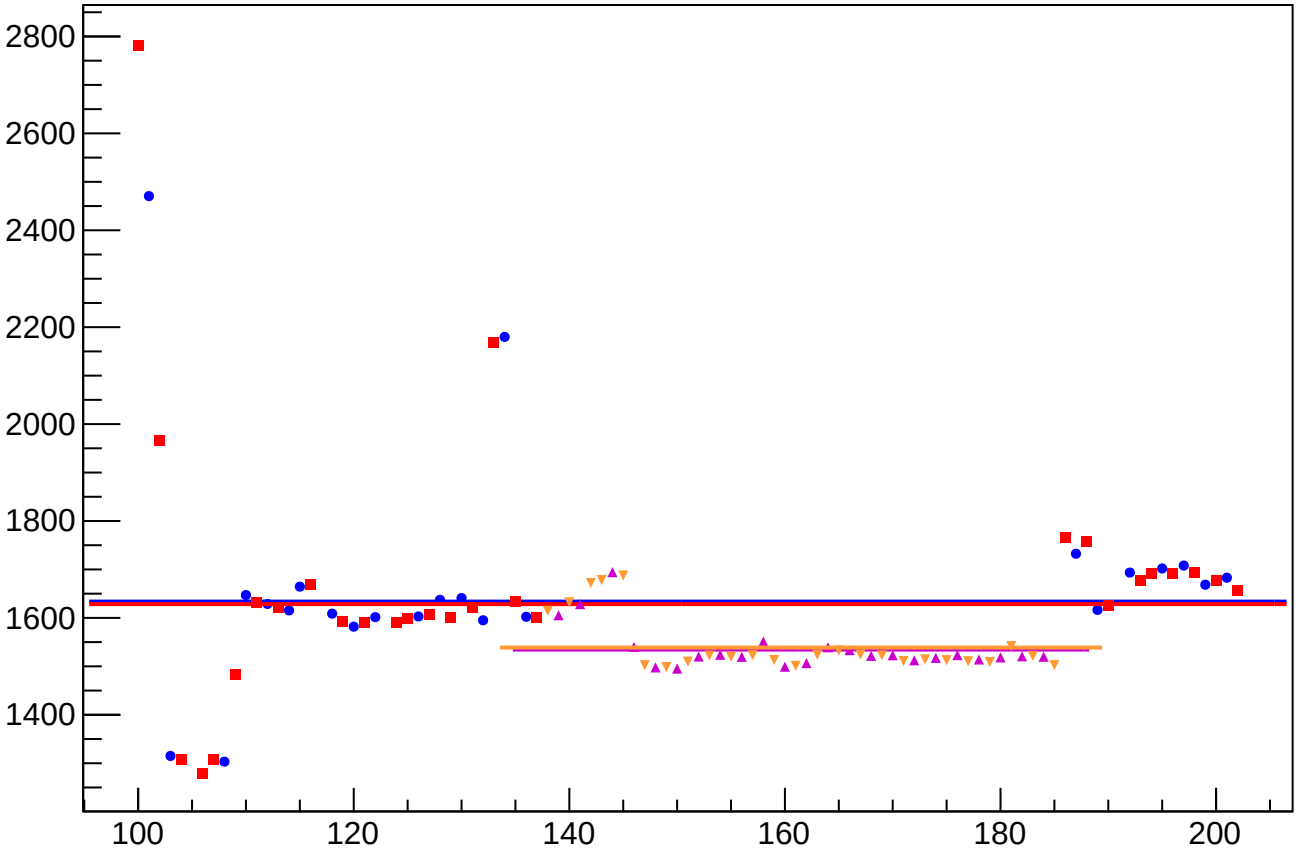
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2155.669+/-280.125 χ^2/NDF: 39.2/47

All: -123.656+/-196.850 χ^2/NDF: 213.9/98

- sign -2347.309+/-276.682 χ^2/NDF: 43.8/50

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1633.591+/-0.331 χ^2/NDF: 335312.2/22

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1628.424+/-0.307 χ^2/NDF: 285508.2/27

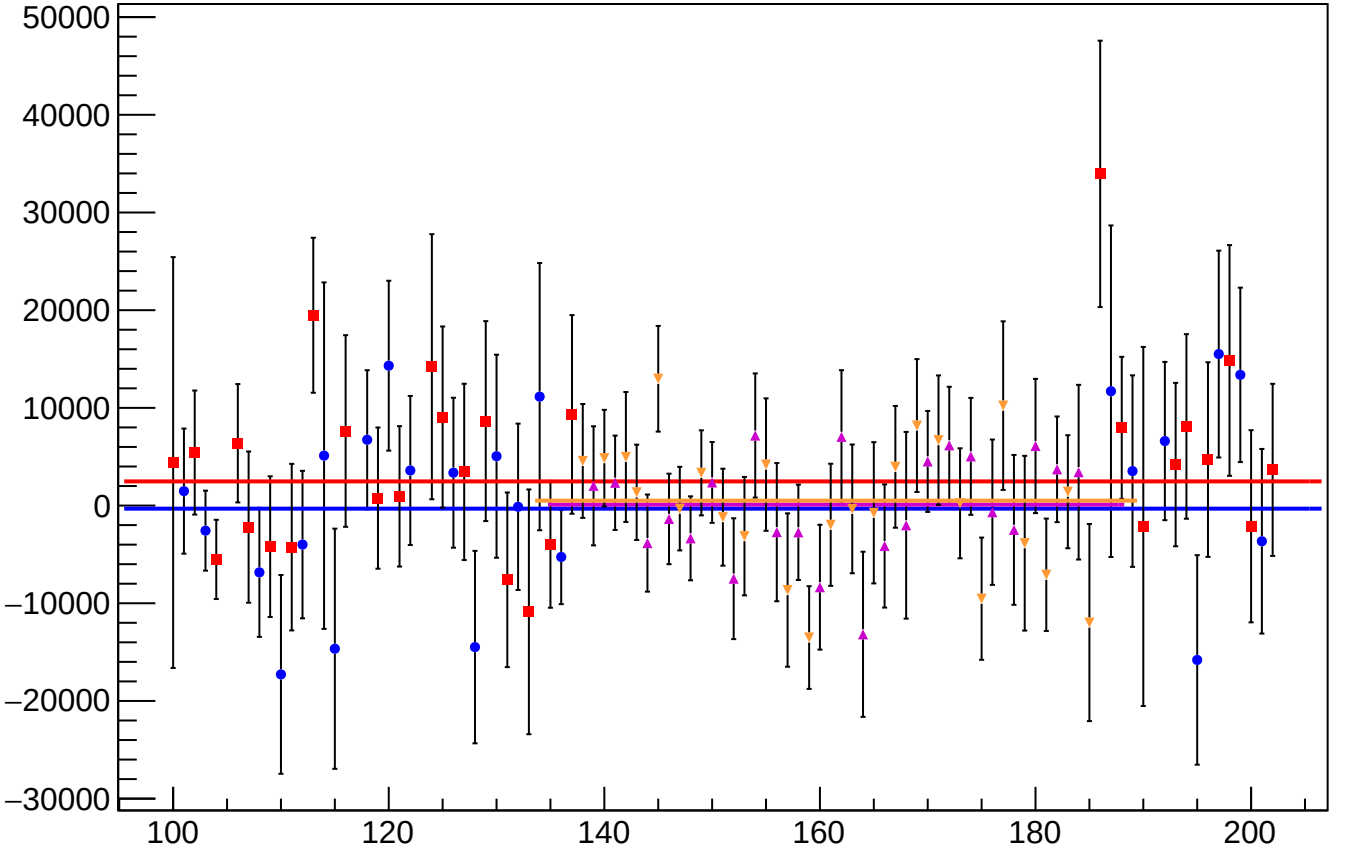
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1572.793+/-0.198 χ^2/NDF: 435028.7/47

All: 1572.711+/-0.139 χ^2/NDF: 807169.0/98

- sign 1572.632+/-0.195 χ^2/NDF: 372139.9/50

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -315.924+/-1659.314 χ^2/NDF: 22.4/22

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2473.800+/-1553.999 χ^2/NDF: 24.6/27

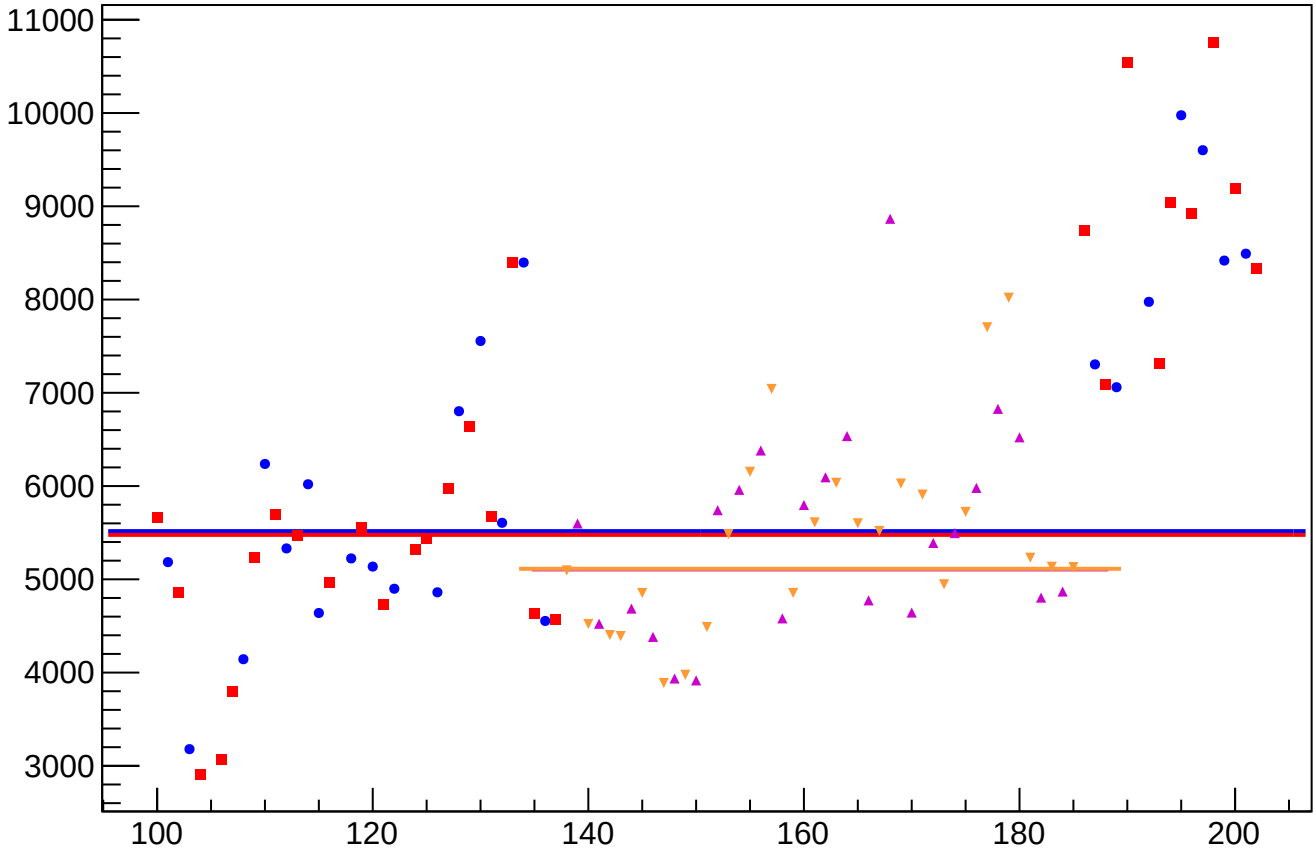
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 226.256+/-965.575 χ^2/NDF: 49.4/47

All: 616.842+/-680.225 χ^2/NDF: 90.6/98

- sign 1001.670+/-958.431 χ^2/NDF: 40.9/50

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 5516.715+/-1.173 χ^2/NDF: 2390466.8/22

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5476.742+/-1.099 χ^2/NDF: 3334453.7/27

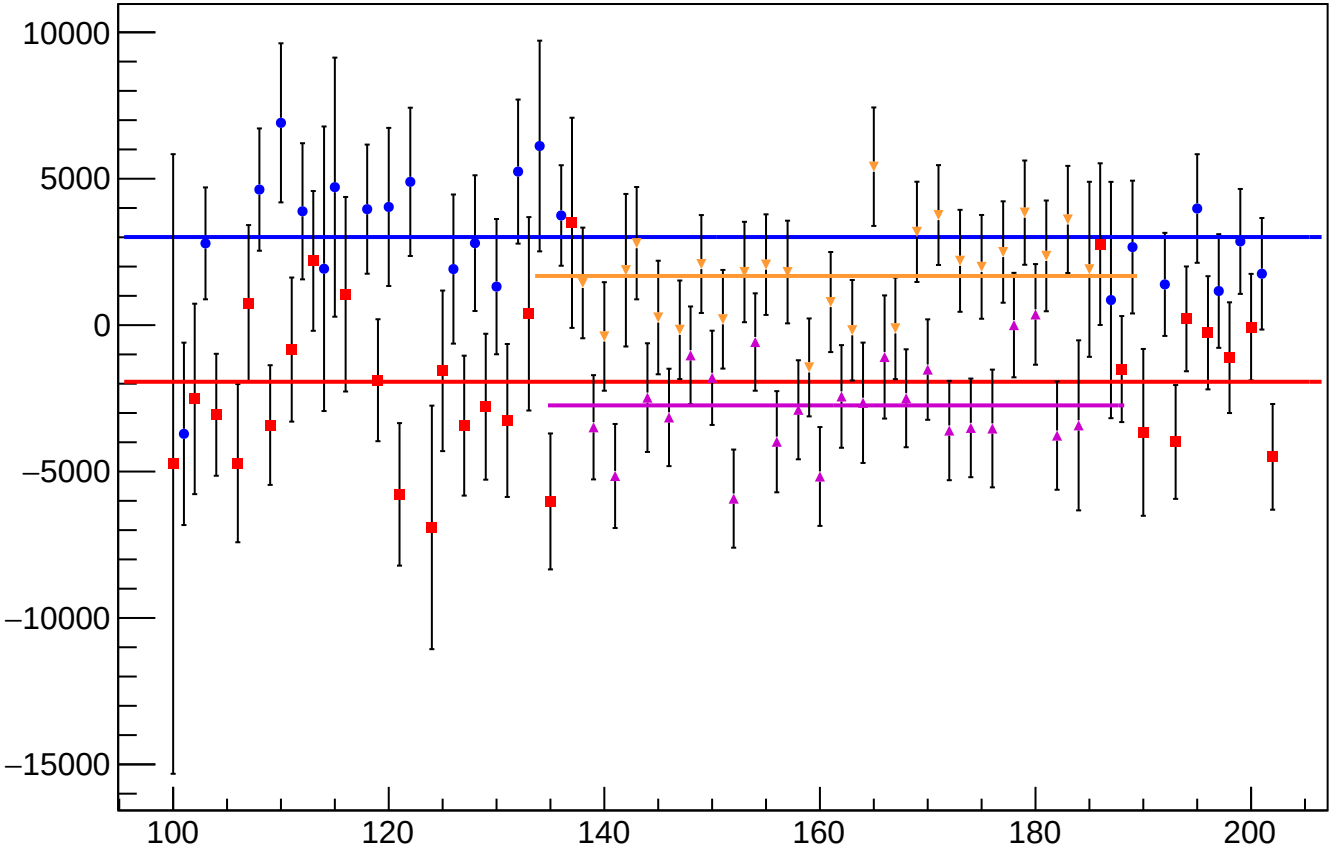
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5249.671+/-0.683 χ^2/NDF: 3627812.7/47

All: 5248.458+/-0.481 χ^2/NDF: 8284283.0/98

- sign 5247.262+/-0.678 χ^2/NDF: 4656464.1/50

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3008.069+/-479.392 χ^2/NDF: 13.8/22

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1934.177+/-447.077 χ^2/NDF: 27.5/27

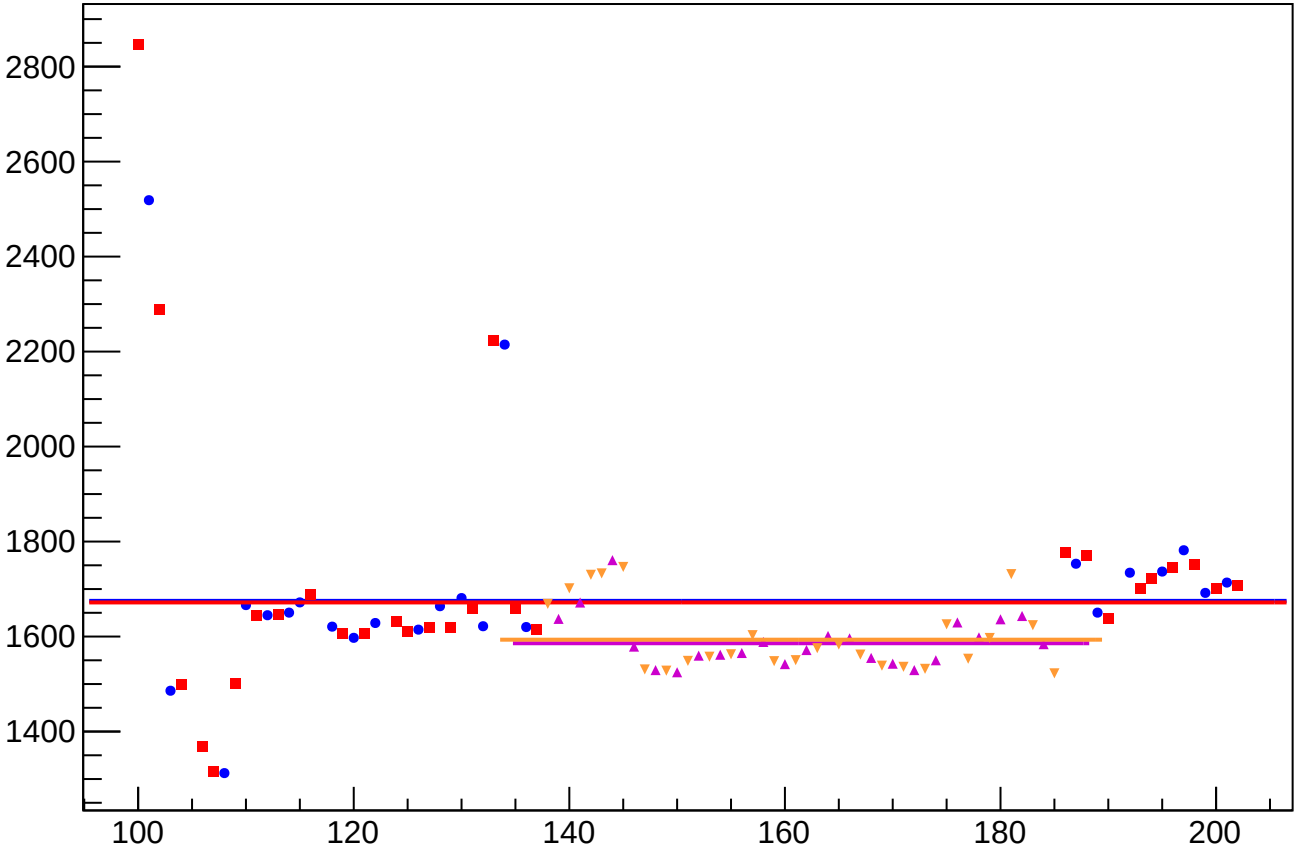
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2162.410+/-289.087 χ^2/NDF: 37.7/47

All: -154.887+/-203.070 χ^2/NDF: 213.1/98

- sign -2412.193+/-285.320 χ^2/NDF: 48.6/50

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1675.105+/-0.339 χ^2/NDF: 292349.5/22

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1671.830+/-0.316 χ^2/NDF: 267520.7/27

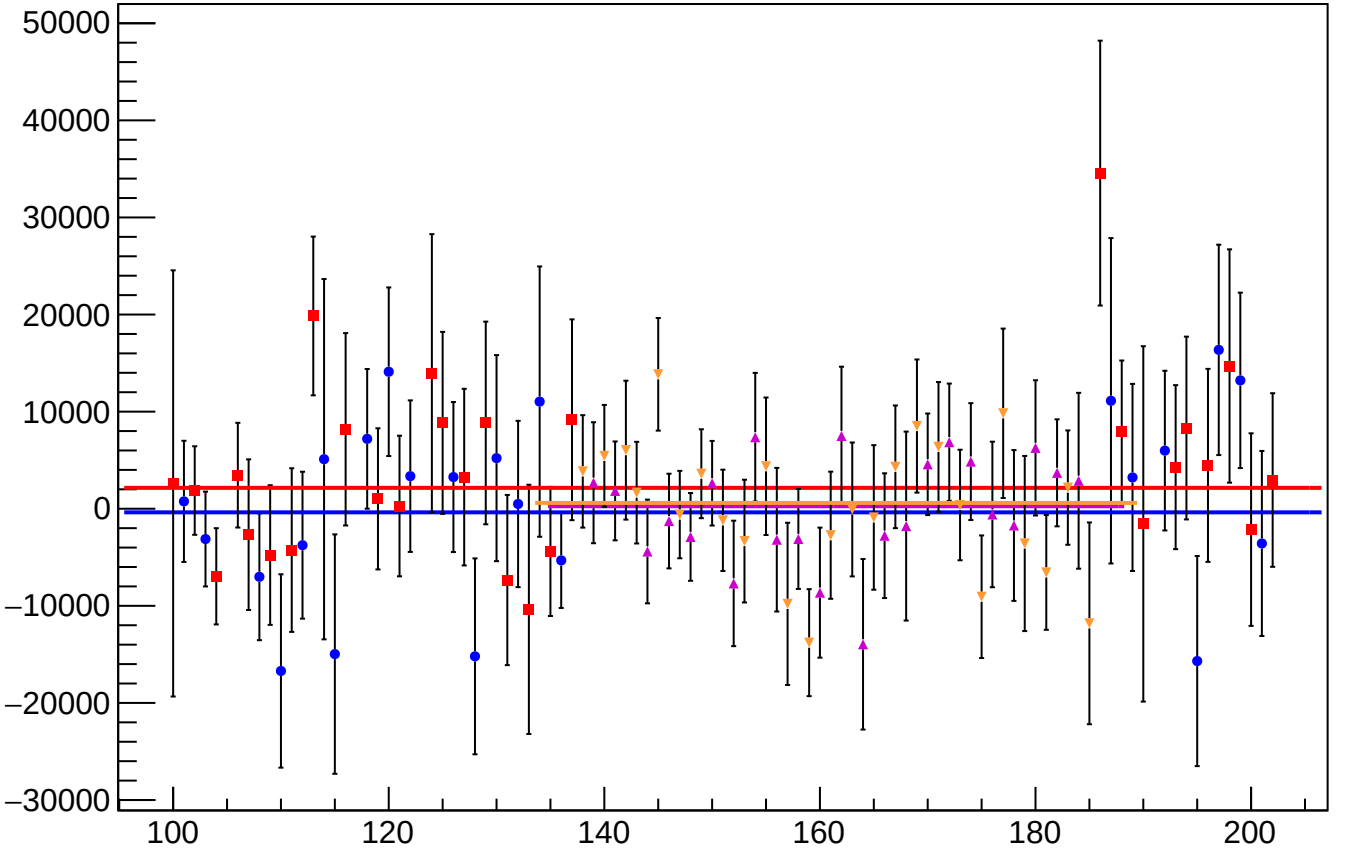
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1623.103+/-0.204 χ^2/NDF: 401206.7/47

All: 1622.002+/-0.144 χ^2/NDF: 754498.6/98

- sign 1620.929+/-0.202 χ^2/NDF: 353234.5/50

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -371.735+/-1708.772 χ^2/NDF: 22.2/22

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2151.981+/-1544.635 χ^2/NDF: 23.8/27

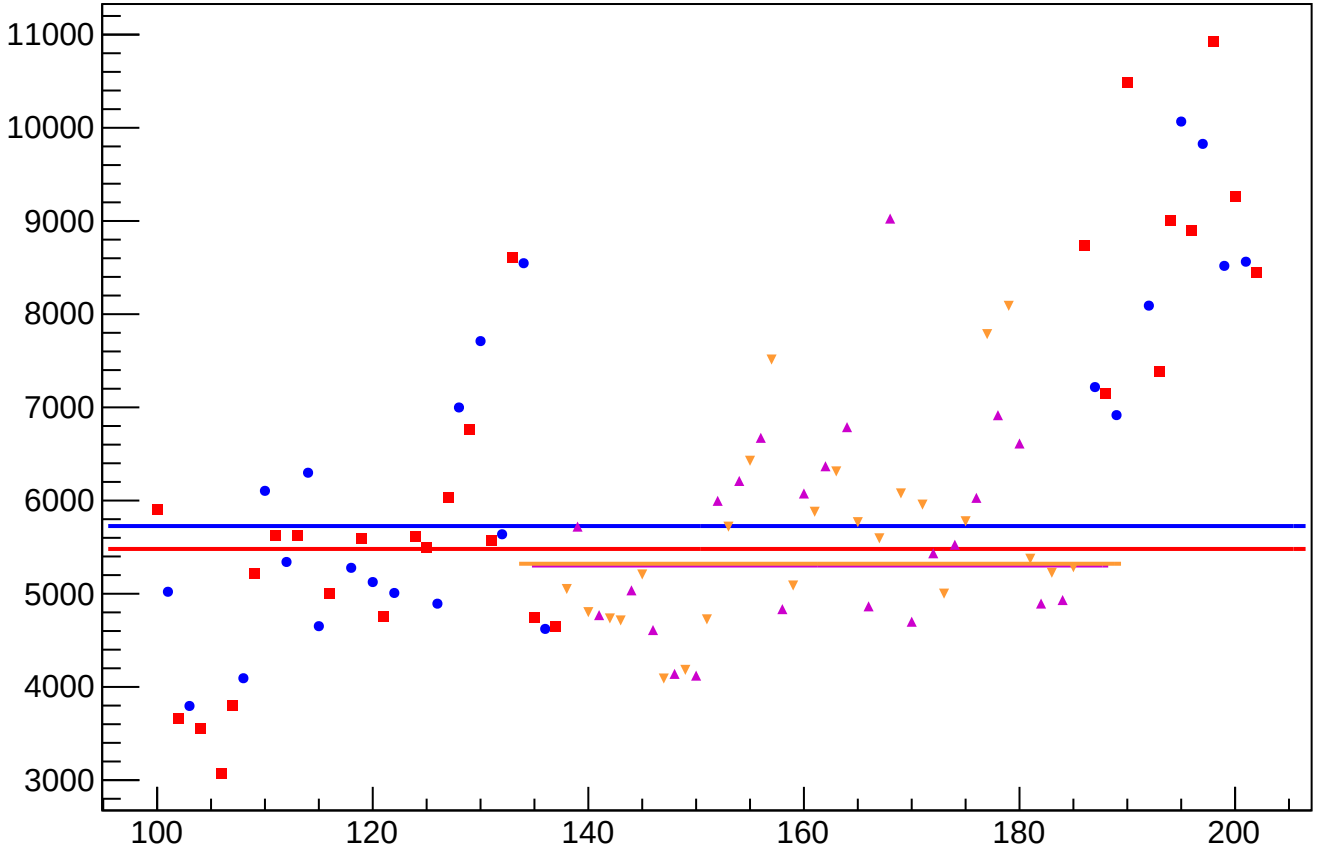
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 268.283+/-1000.174 χ^2/NDF: 48.5/47

All: 650.358+/-699.102 χ^2/NDF: 88.1/98

\- sign 1015.359+/-977.571 χ^2/NDF: 39.3/50

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5726.437+/-1.208 χ^2/NDF: 2019934.7/22

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5480.689+/-1.092 χ^2/NDF: 3243634.8/27

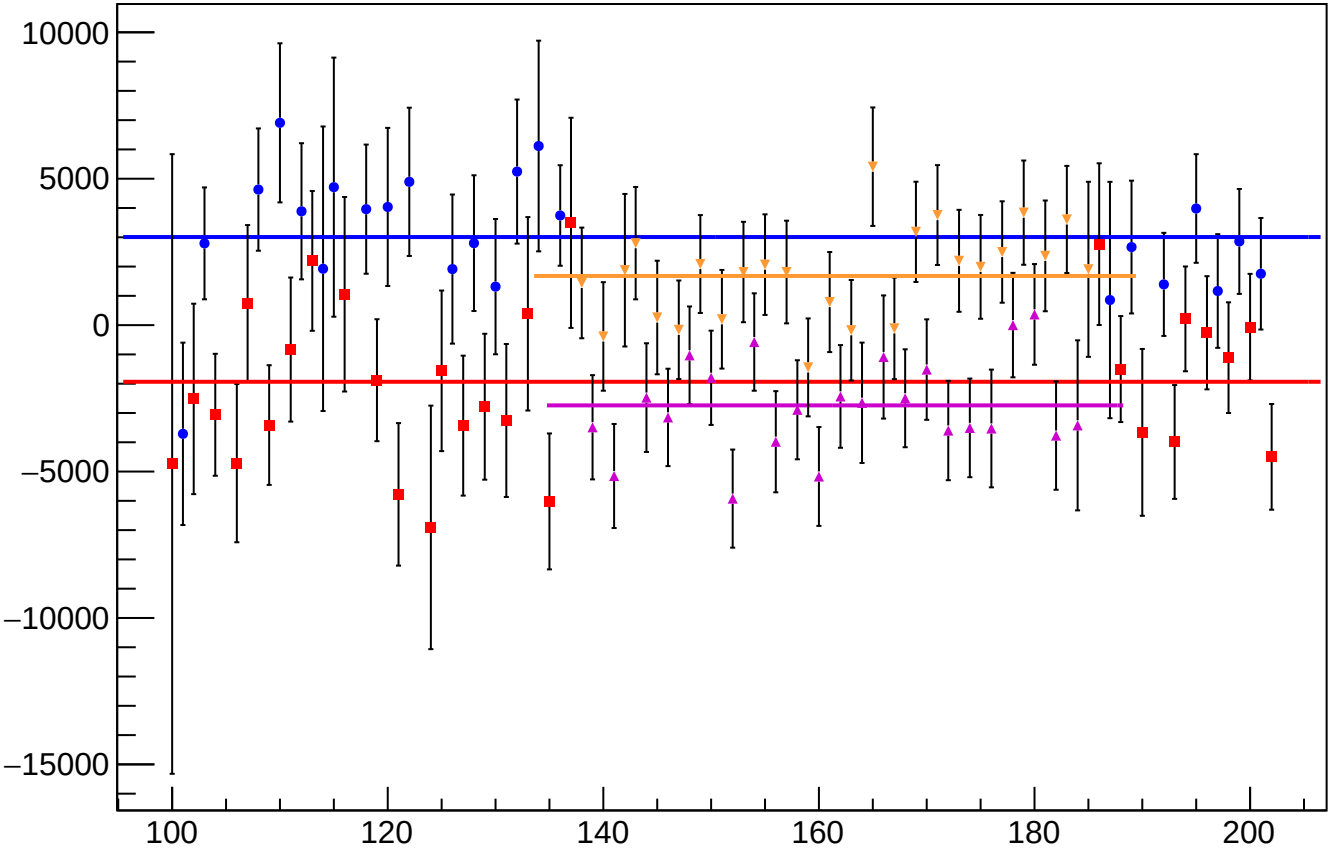
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5460.530+/-0.707 χ^2/NDF: 3130613.8/47

All: 5416.318+/-0.494 χ^2/NDF: 7550158.9/98

- sign 5374.081+/-0.691 χ^2/NDF: 4411903.6/50

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3008.069+/-479.392 χ^2/NDF: 13.8/22

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1934.177+/-447.077 χ^2/NDF: 27.5/27

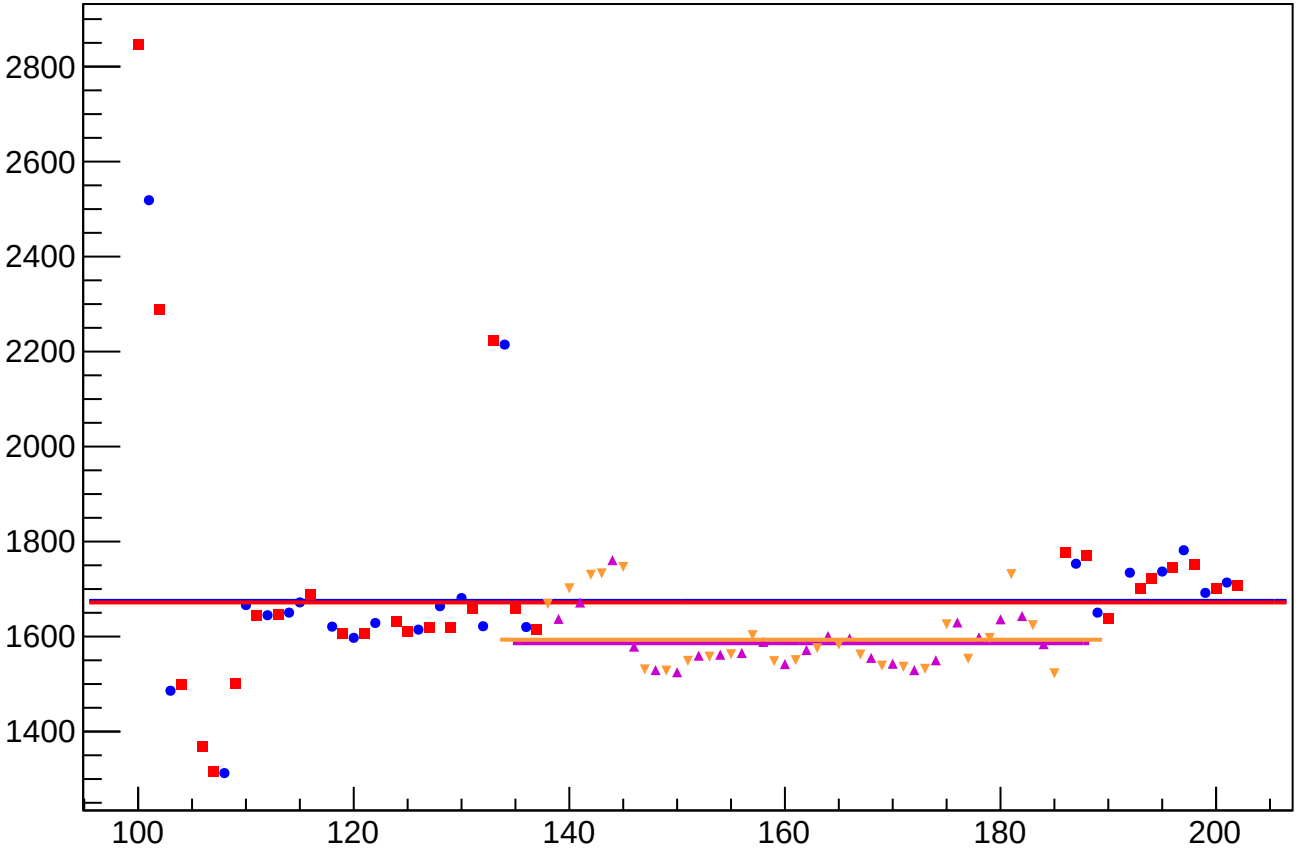
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2162.407+/-289.087 χ^2/NDF: 37.7/47

All: -154.889+/-203.071 χ^2/NDF: 213.1/98

- sign -2412.193+/-285.320 χ^2/NDF: 48.6/50

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1675.104+/-0.339 χ^2/NDF: 292349.7/22

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

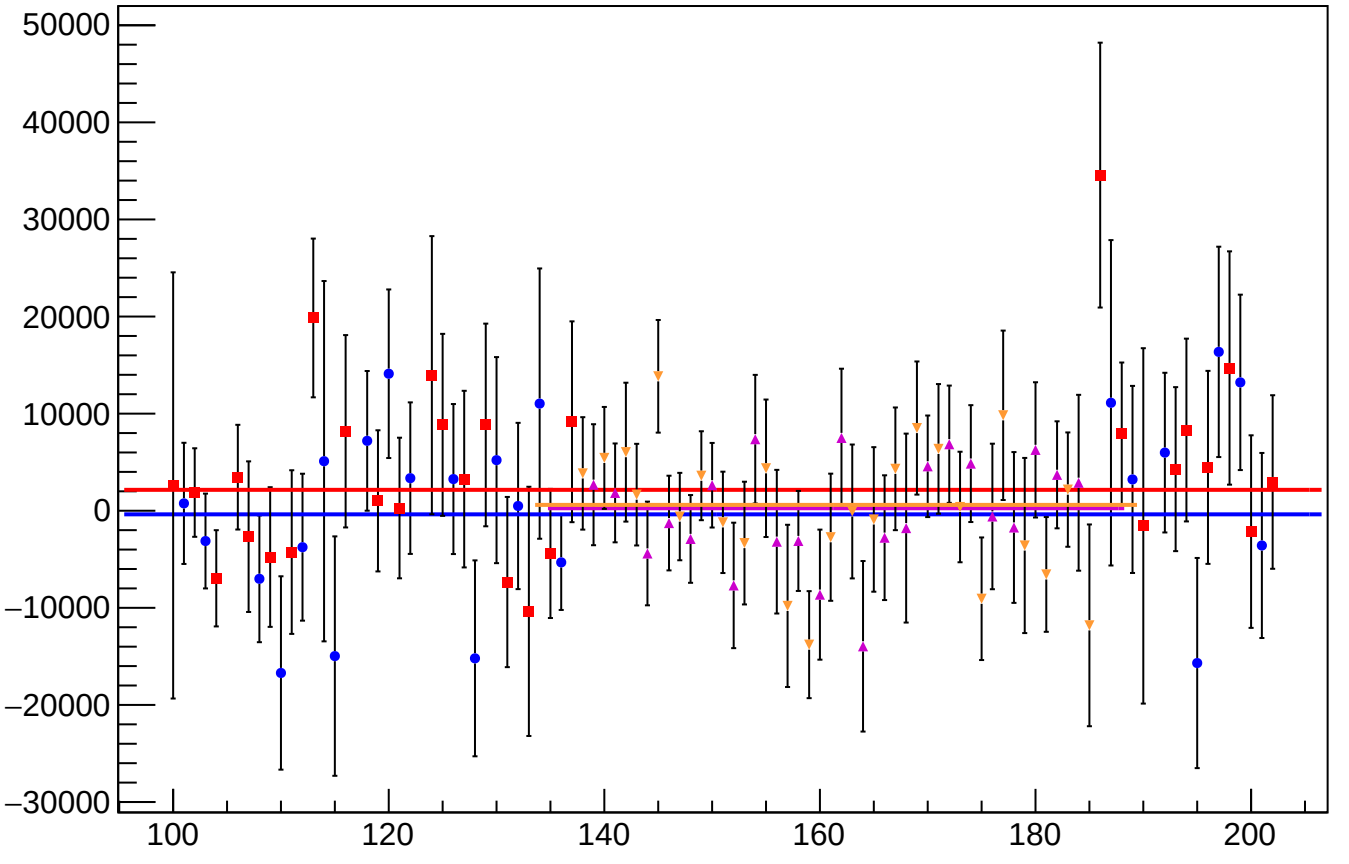
Right Out: 1671.830+/-0.316 χ^2/NDF: 267520.7/27

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1623.104+/-0.204 χ^2/NDF: 401205.6/47

All: 1622.002+/-0.144 χ^2/NDF: 754496.1/98

- sign 1620.929+/-0.202 χ^2/NDF: 353233.2/50



Right In: -371.725+/-1708.770 χ^2/NDF: 22.2/22

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: 2151.978+/-1544.633 χ^2/NDF: 23.8/27

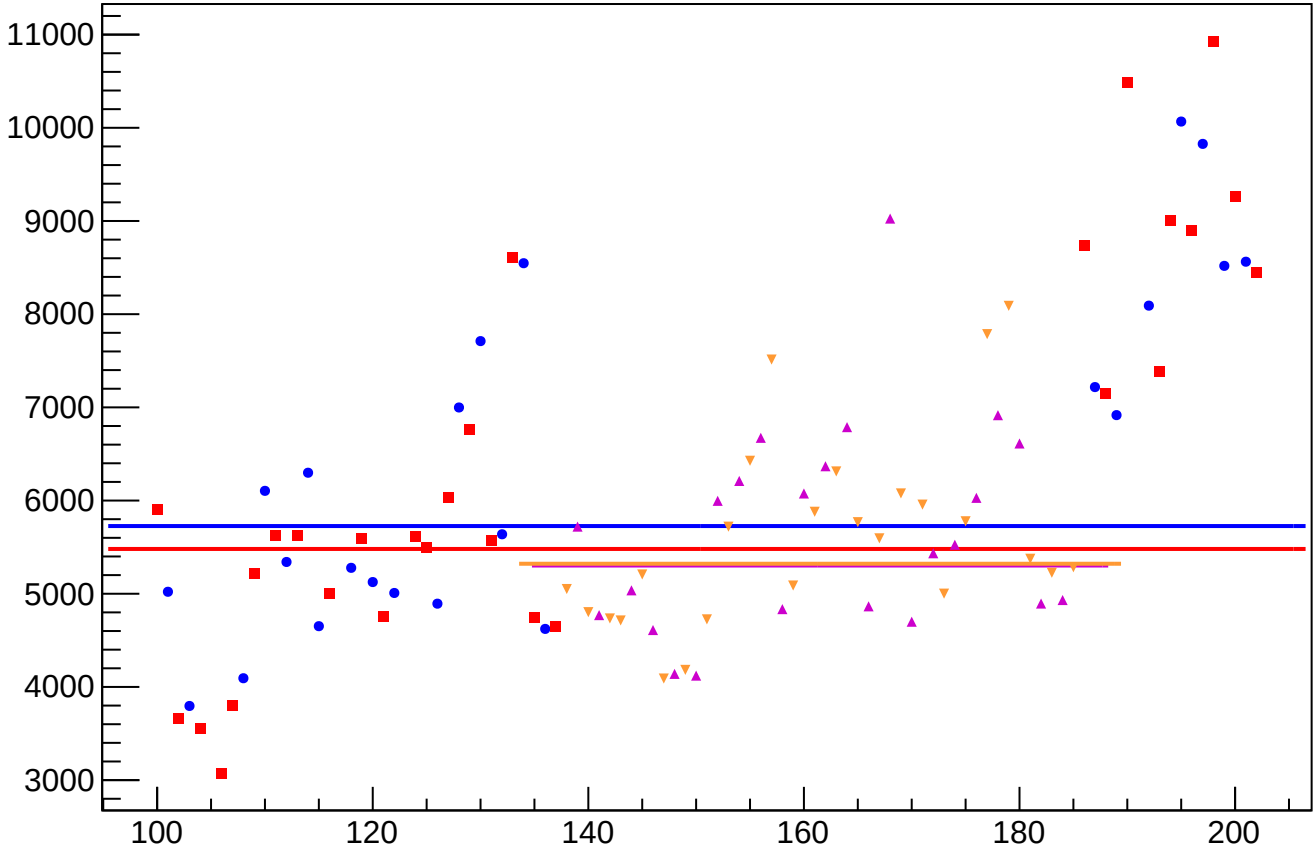
Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 268.283+/-1000.175 χ^2/NDF: 48.5/47

All: 650.359+/-699.102 χ^2/NDF: 88.1/98

- sign 1015.361+/-977.572 χ^2/NDF: 39.3/50

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5726.431+/-1.208 χ^2/NDF: 2019940.9/22

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5480.683+/-1.092 χ^2/NDF: 3243643.1/27

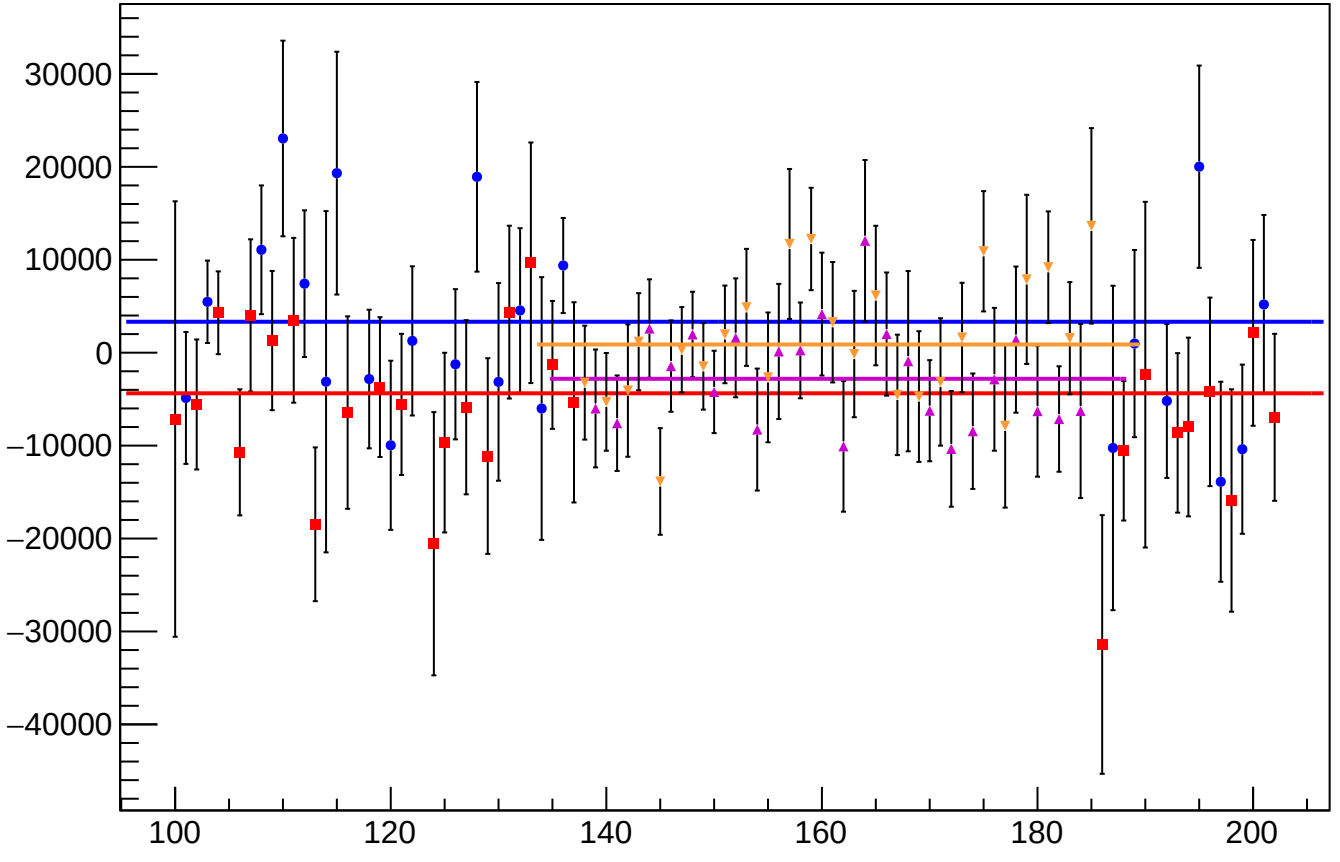
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5460.534+/-0.707 χ^2/NDF: 3130616.6/47

All: 5416.321+/-0.494 χ^2/NDF: 7550171.4/98

- sign 5374.084+/-0.691 χ^2/NDF: 4411913.1/50

asym_usr_atr2_avg_mean vs Slug



Right In: 3328.878+/-1745.178 χ^2/NDF: 24.9/22

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -4371.124+/-1640.960 χ^2/NDF: 20.7/27

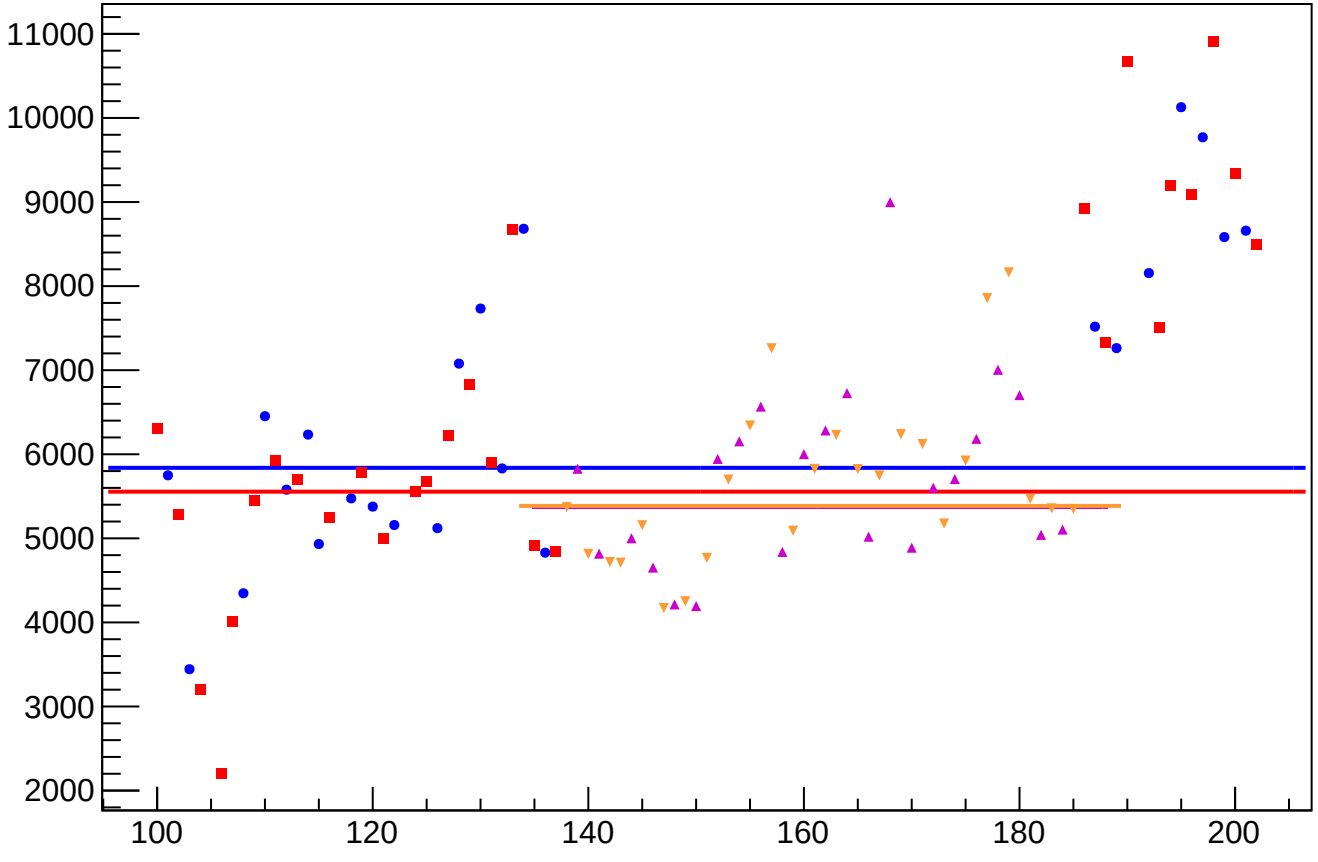
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

\+ sign 1710.904+/-1014.334 χ^2/NDF: 51.9/47

All: -860.488+/-714.959 χ^2/NDF: 100.6/98

\- sign -3399.391+/-1007.905 χ^2/NDF: 35.9/50

asym_usr_atr2_avg_rms vs Slug



Right In: 5838.731+/-1.234 χ^2/NDF: 2133914.2/22

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

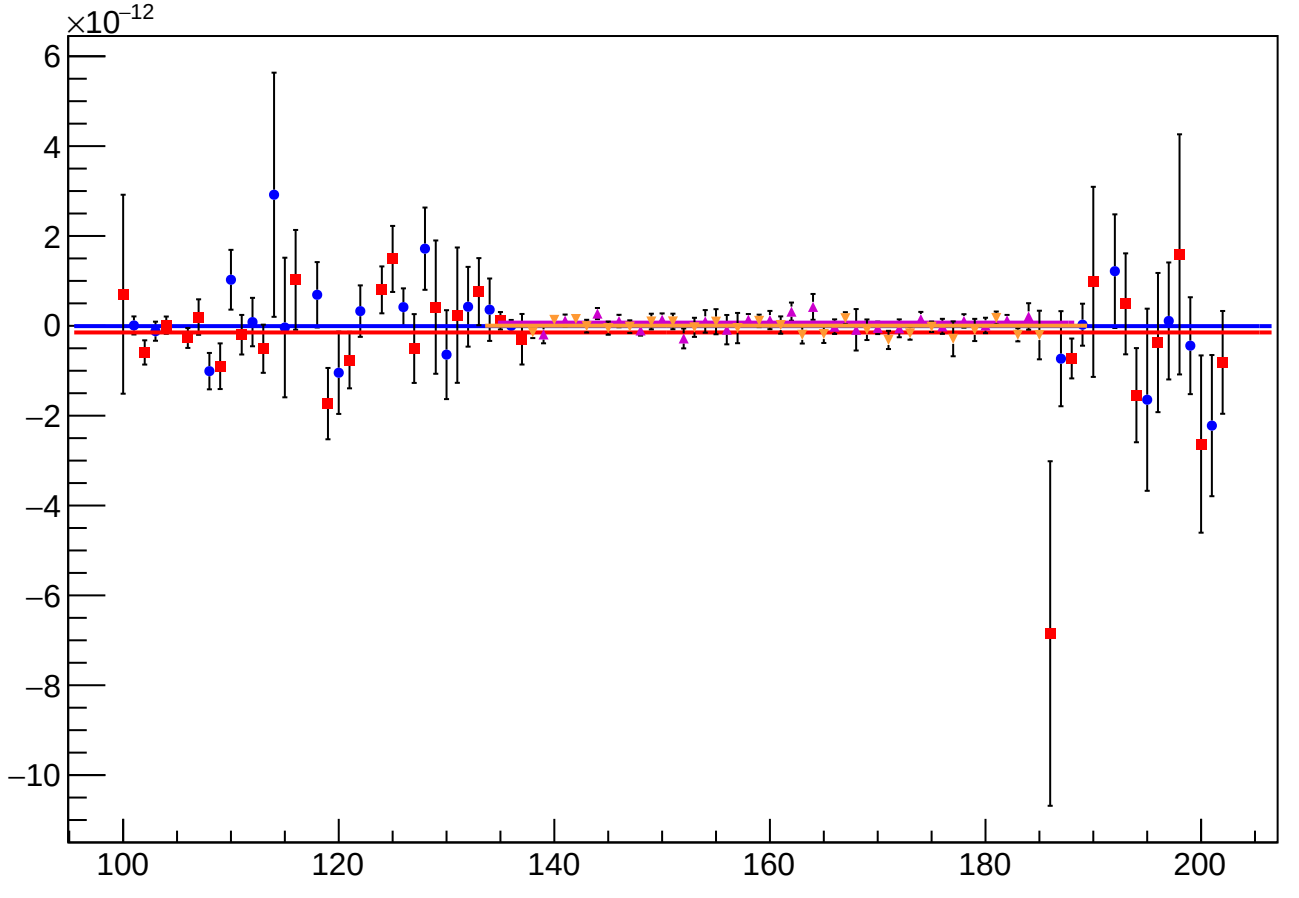
Right Out: 5555.030+/-1.126 χ^2/NDF: 3757254.7/27

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5538.711+/-0.717 χ^2/NDF: 3210266.7/47

All: 5490.597+/-0.503 χ^2/NDF: 8064109.5/98

- sign 5444.171+/-0.705 χ^2/NDF: 4845000.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

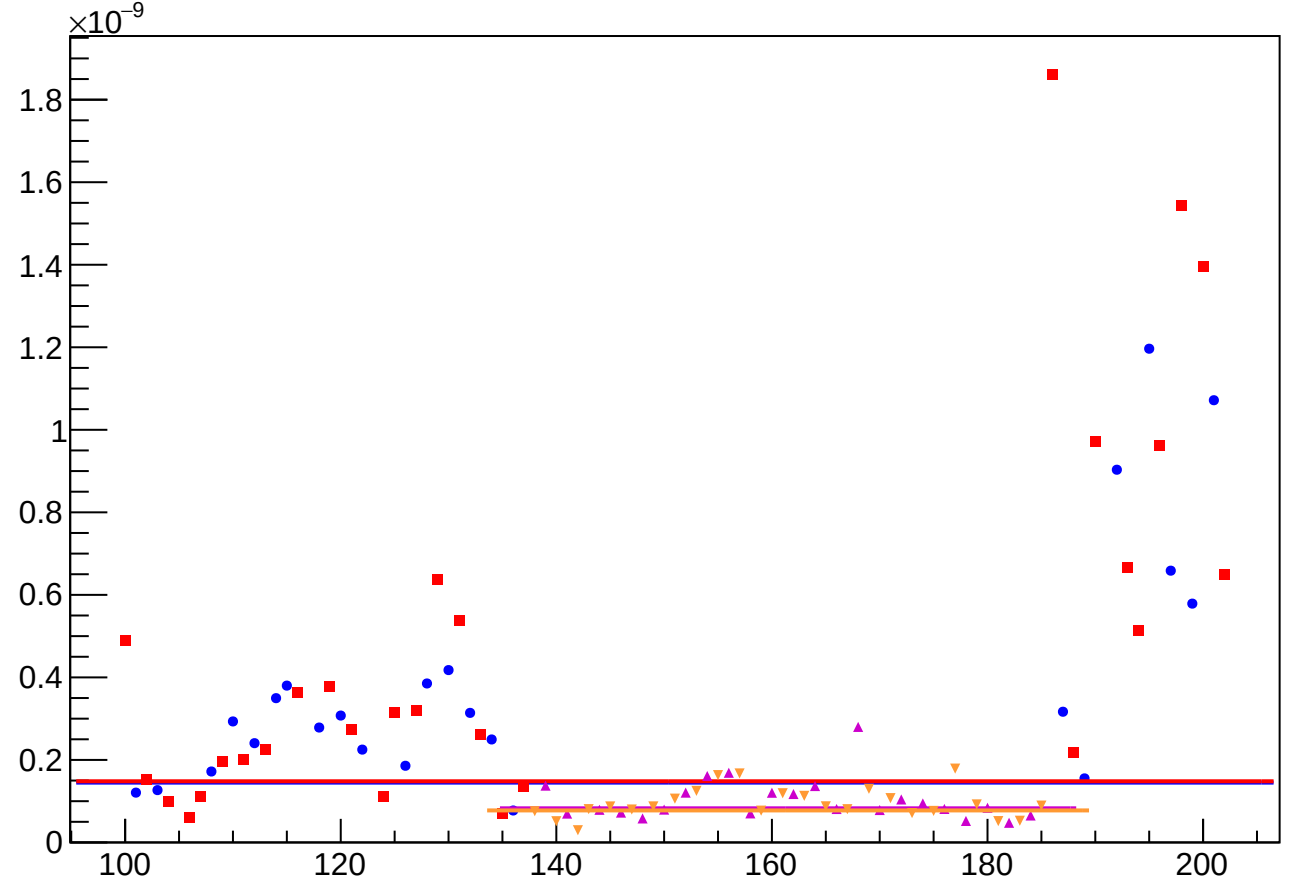
Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/27

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.6/47

All: 0.000+/-0.000 χ^2/NDF: 97.7/98

- sign 0.000+/-0.000 χ^2/NDF: 56.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 4028877.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5549227.4/27

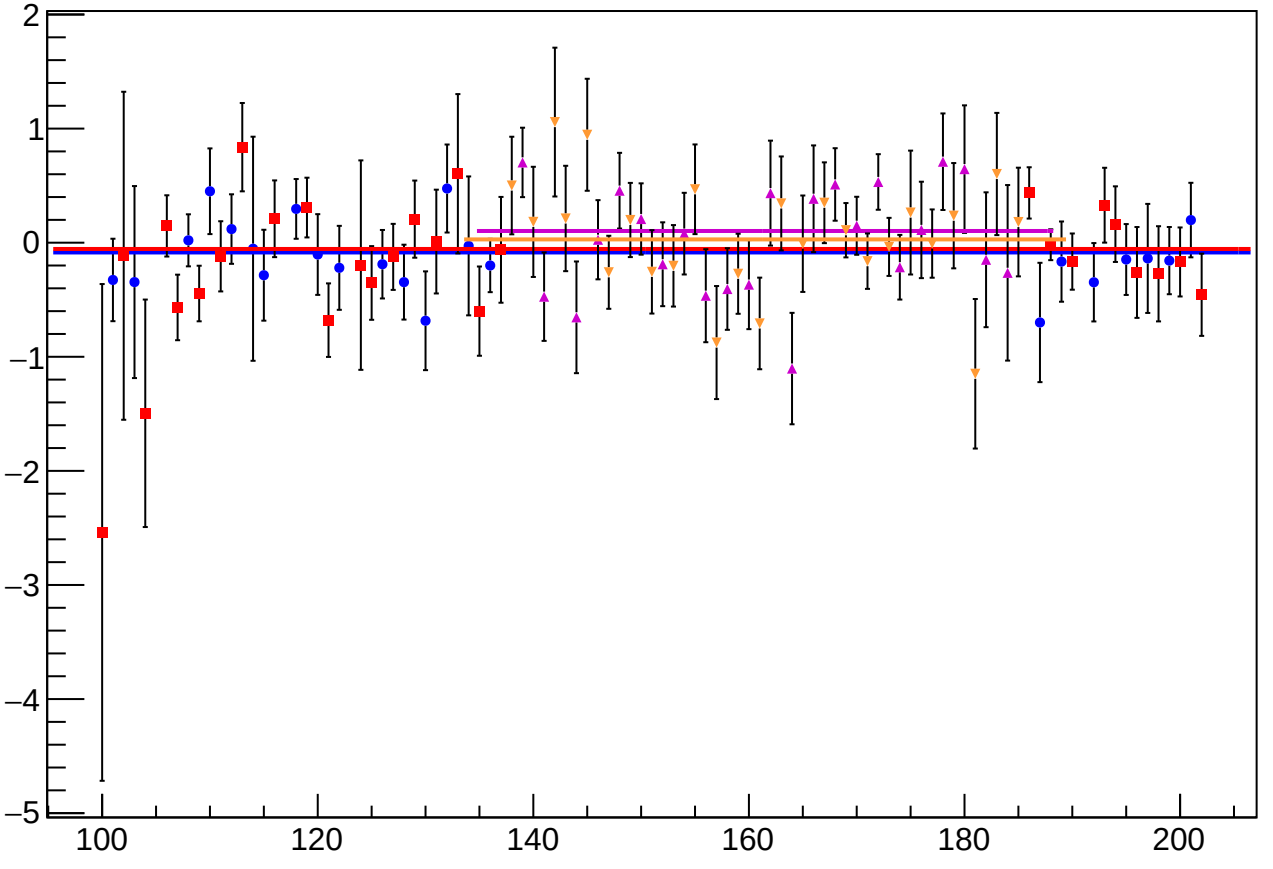
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6798966.9/47

All: 0.000+/-0.000 χ^2/NDF: 14922417.5/98

- sign 0.000+/-0.000 χ^2/NDF: 8091469.2/50

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.086+/-0.072 χ^2/NDF: 13.7/22

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.055+/-0.059 χ^2/NDF: 34.5/27

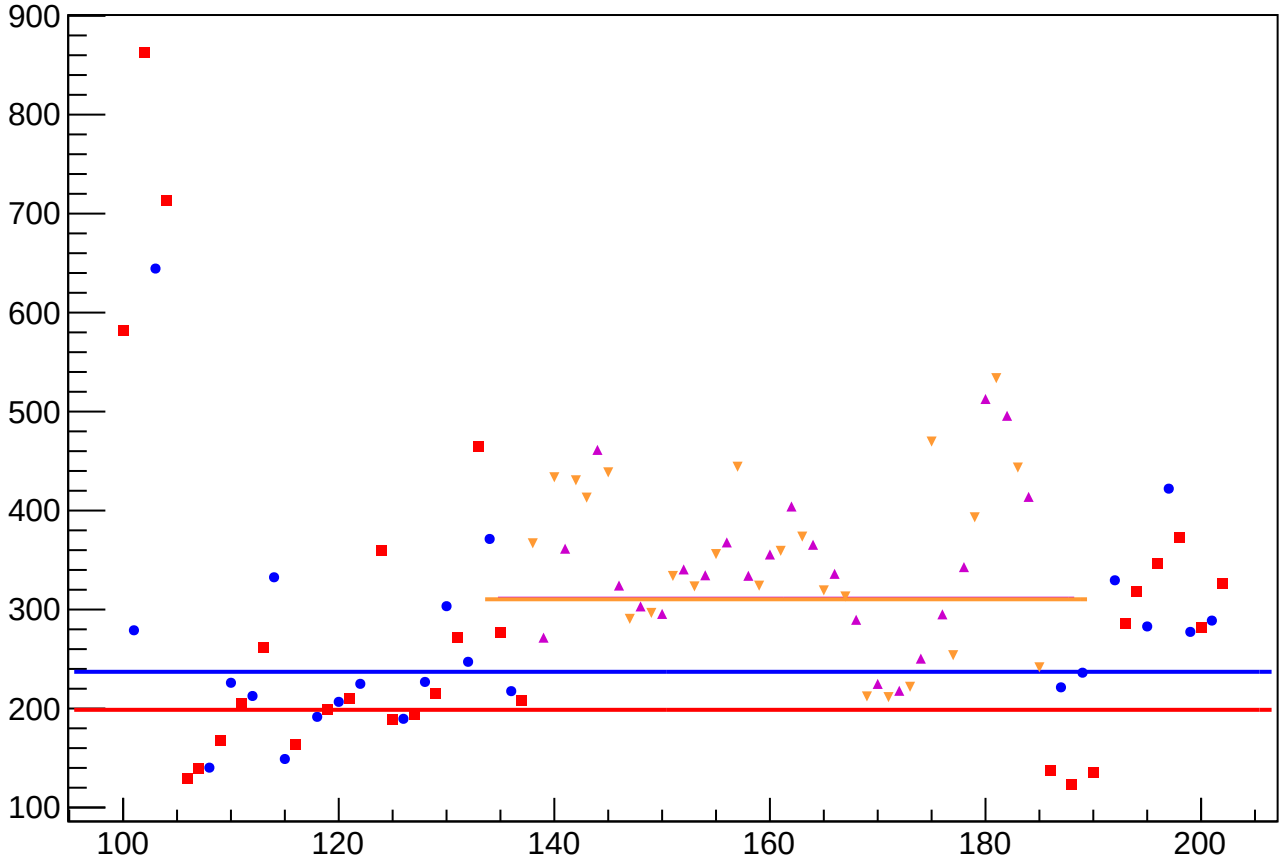
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.052 χ^2/NDF: 40.2/47

All: -0.011+/-0.035 χ^2/NDF: 109.9/98

- sign 0.004+/-0.047 χ^2/NDF: 69.4/50

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 237.098+/-0.051 χ^2/NDF: 1853926.5/22

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

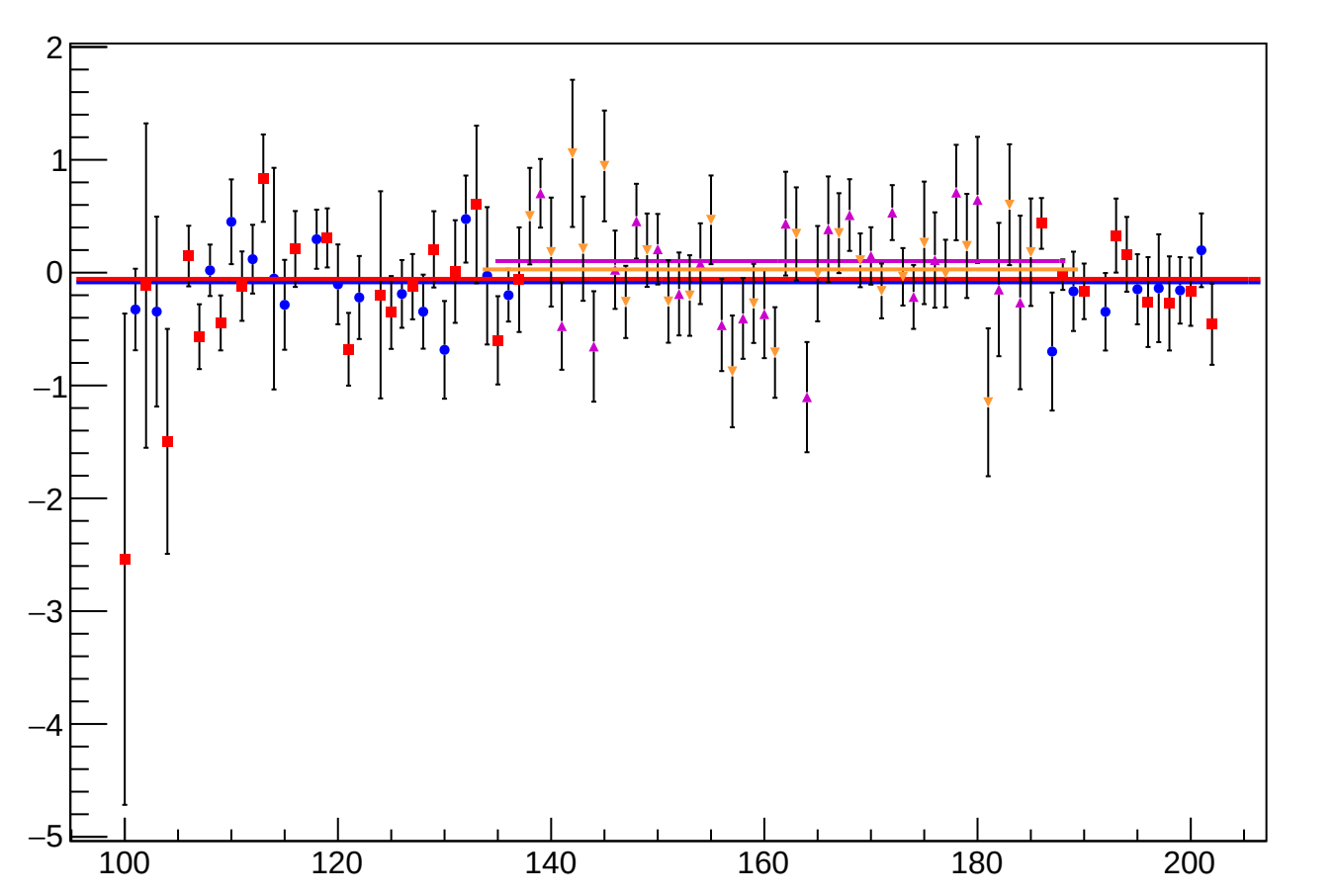
Right Out: 198.685+/-0.042 χ^2/NDF: 4177877.2/27

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 272.410+/-0.037 χ^2/NDF: 5214351.0/47

All: 255.106+/-0.025 χ^2/NDF: 14099113.7/98

- sign 240.996+/-0.033 χ^2/NDF: 8480177.6/50



Right In: -0.086+/-0.072 χ^2/NDF: 13.7/22

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

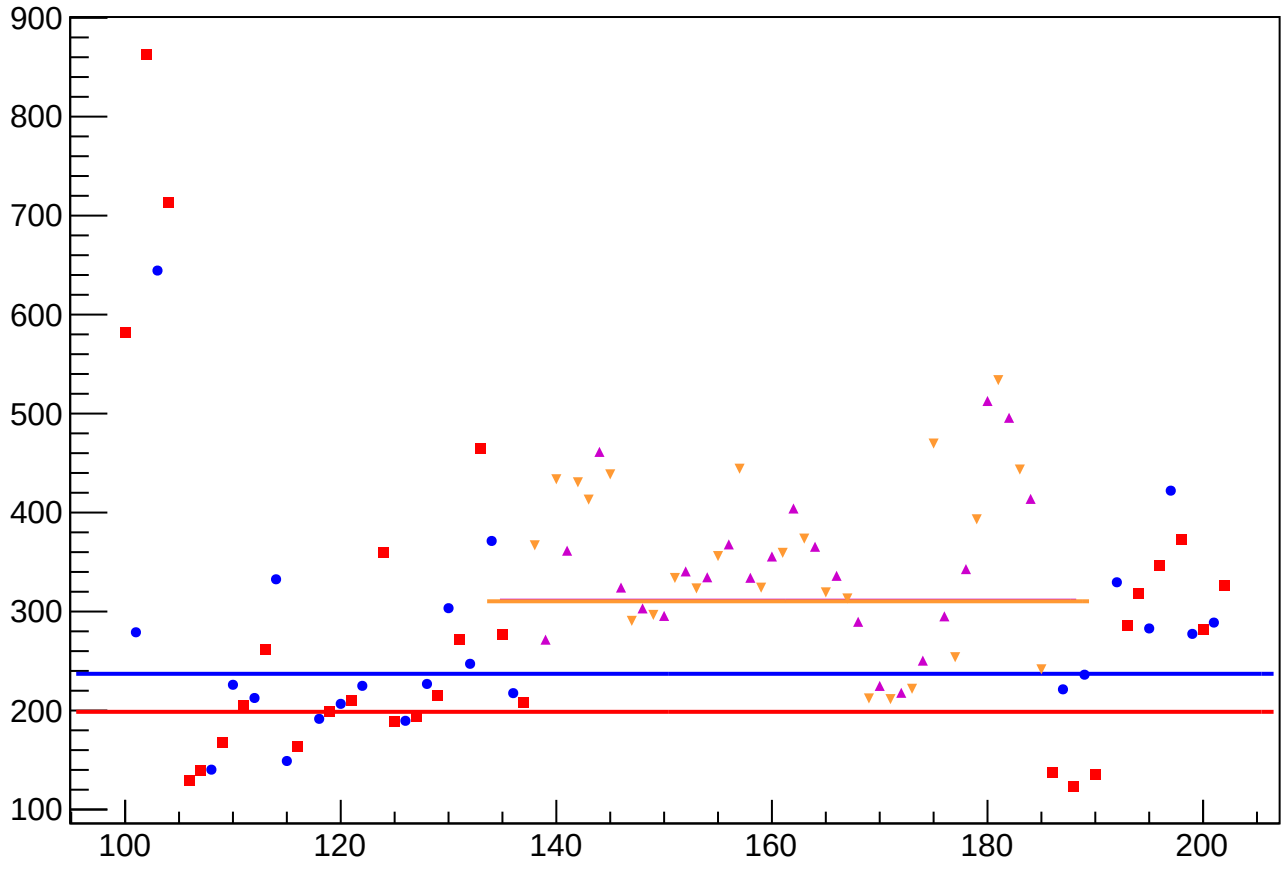
Right Out: -0.055+/-0.059 χ^2/NDF: 34.5/27

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.052 χ^2/NDF: 40.2/47

All: -0.011+/-0.035 χ^2/NDF: 109.9/98

- sign 0.004+/-0.047 χ^2/NDF: 69.4/50



Right In: 237.098+/-0.051 χ^2/NDF: 1853926.5/22

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

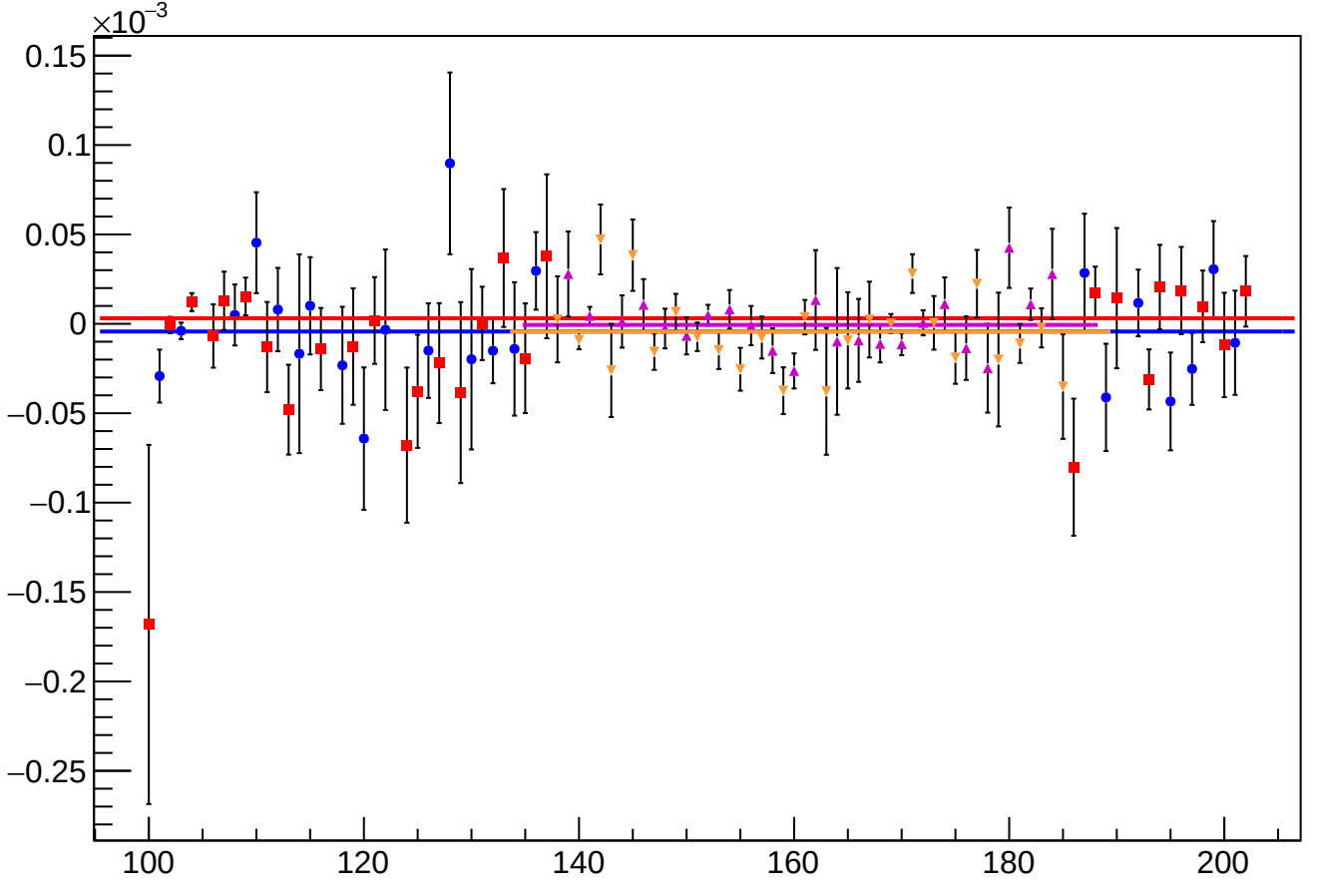
Right Out: 198.685+/-0.042 χ^2/NDF: 4177877.2/27

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 272.410+/-0.037 χ^2/NDF: 5214351.0/47

All: 255.106+/-0.025 χ^2/NDF: 14099113.7/98

- sign 240.996+/-0.033 χ^2/NDF: 8480177.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

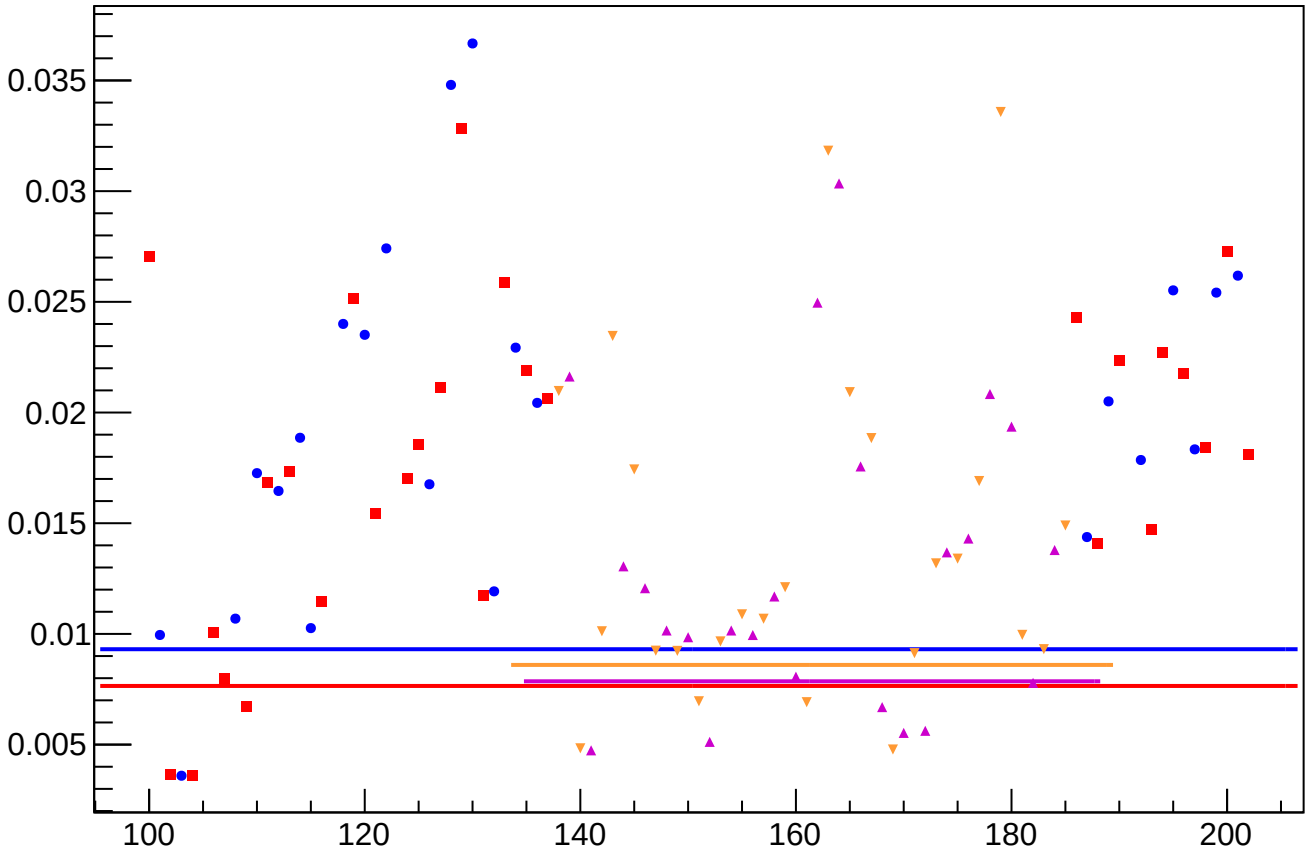
Right Out: 0.000+/-0.000 χ^2/NDF: 33.4/27

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.3/47

All: -0.000+/-0.000 χ^2/NDF: 131.7/98

- sign 0.000+/-0.000 χ^2/NDF: 61.1/50



Right In: 0.009+/-0.000 χ^2/NDF: 9781395.1/22

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

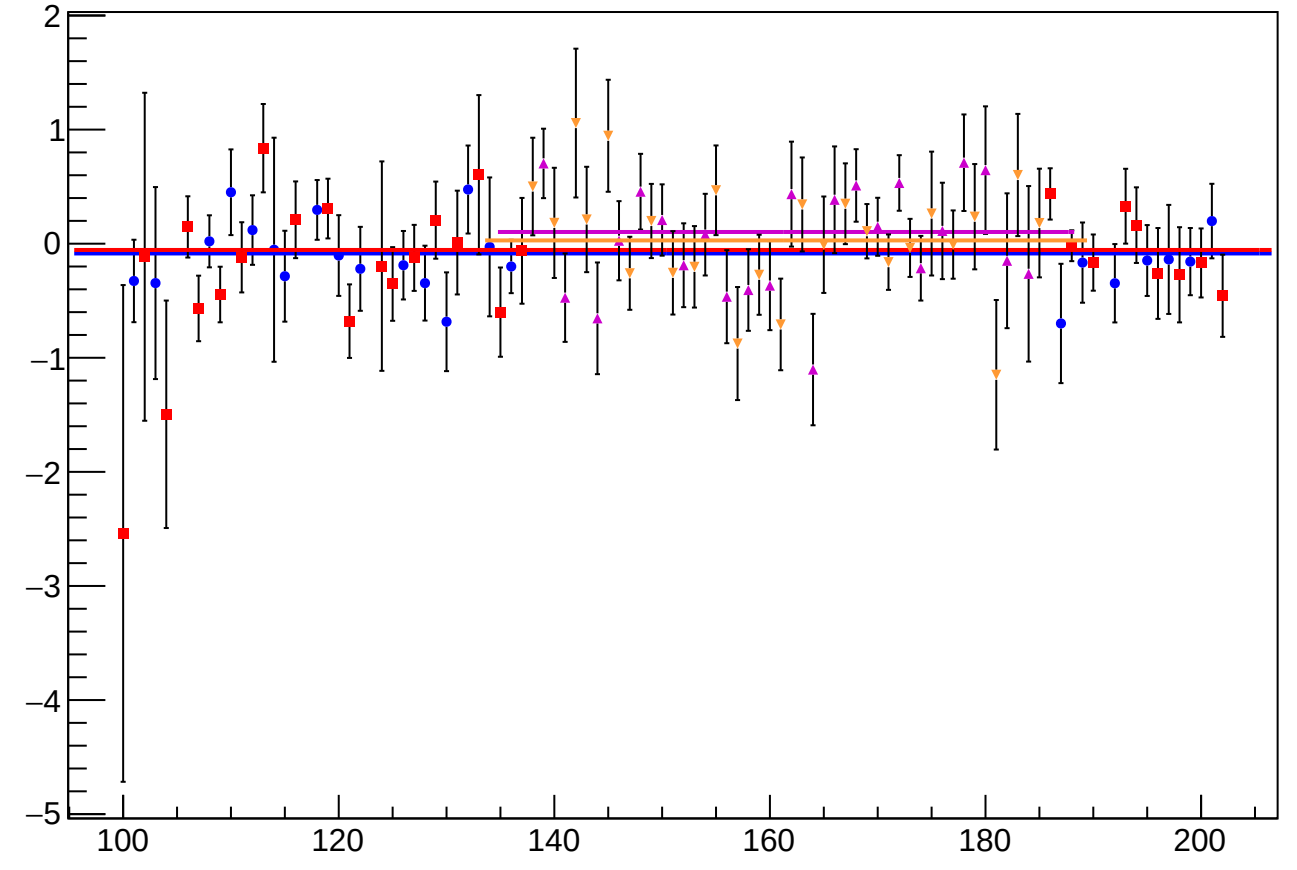
Right Out: 0.008+/-0.000 χ^2/NDF: 11541136.8/27

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 17492751.5/47

All: 0.008+/-0.000 χ^2/NDF: 36150972.2/98

- sign 0.008+/-0.000 χ^2/NDF: 18328431.0/50



Right In: -0.086+/-0.072 χ^2/NDF: 13.7/22

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

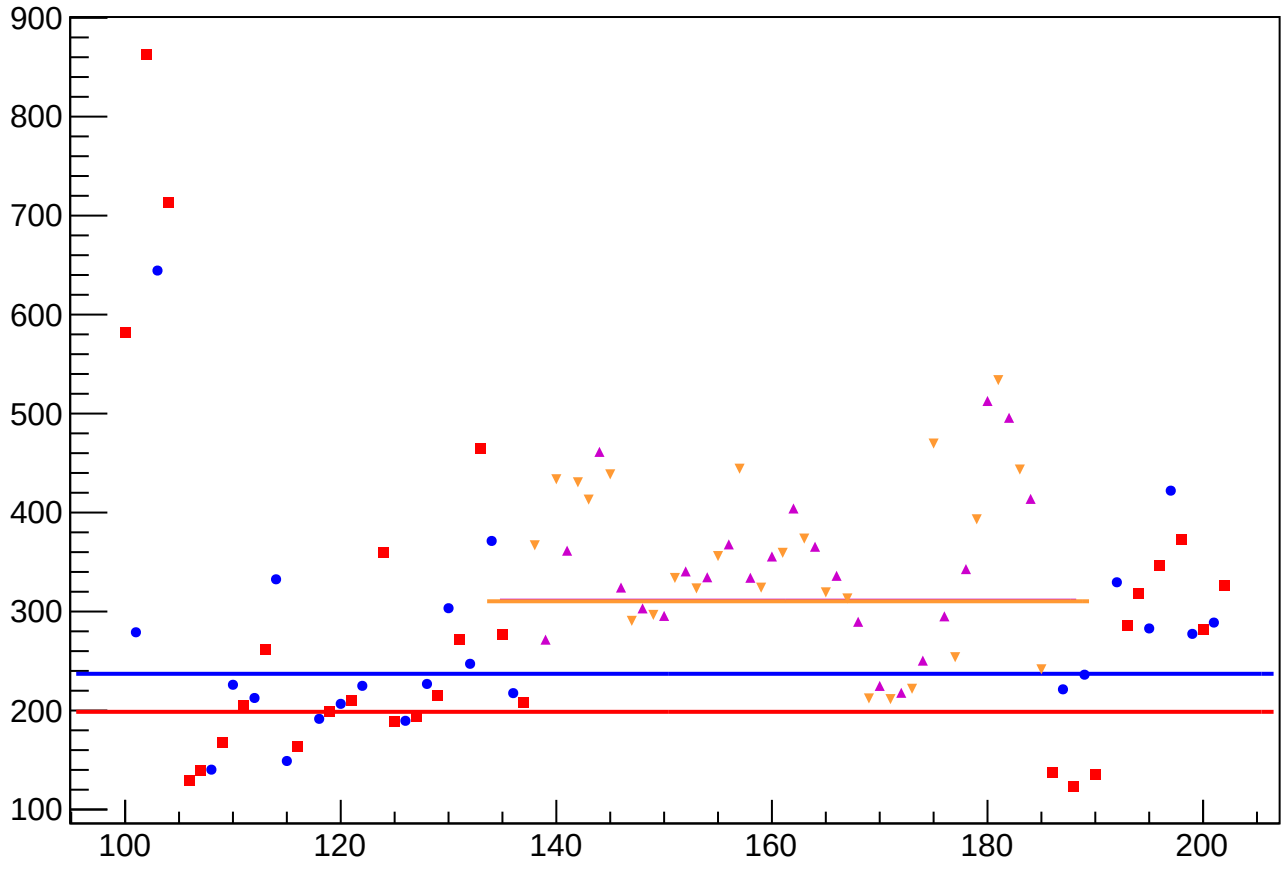
Right Out: -0.055+/-0.059 χ^2/NDF: 34.5/27

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.052 χ^2/NDF: 40.2/47

All: -0.011+/-0.035 χ^2/NDF: 109.9/98

- sign 0.004+/-0.047 χ^2/NDF: 69.4/50



Right In: 237.097+/-0.051 χ^2/NDF: 1853908.7/22

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

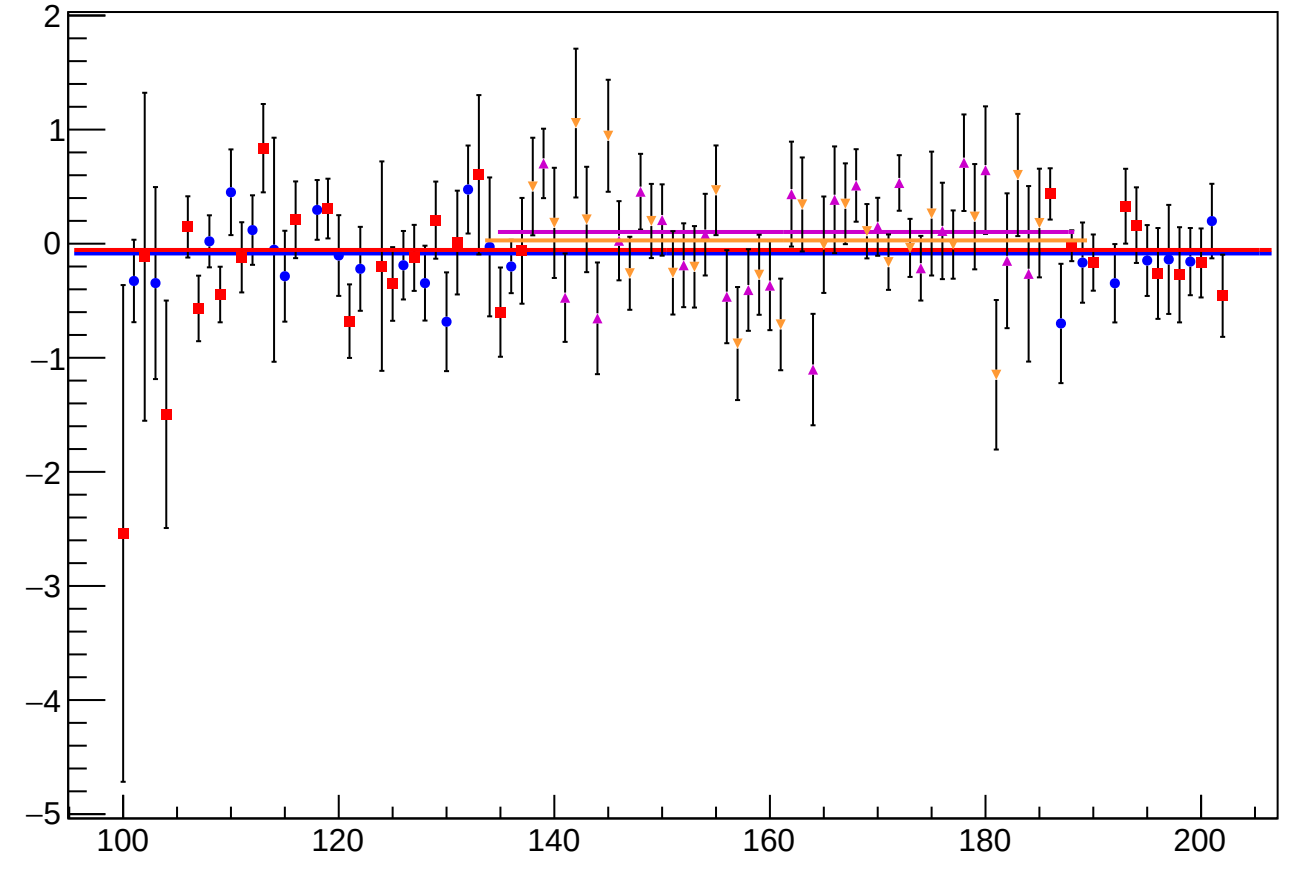
Right Out: 198.683+/-0.042 χ^2/NDF: 4178016.7/27

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 272.411+/-0.037 χ^2/NDF: 5214497.6/47

All: 255.105+/-0.025 χ^2/NDF: 14099765.6/98

- sign 240.994+/-0.033 χ^2/NDF: 8480627.2/50



Right In: -0.086+/-0.072 χ^2/NDF: 13.7/22

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

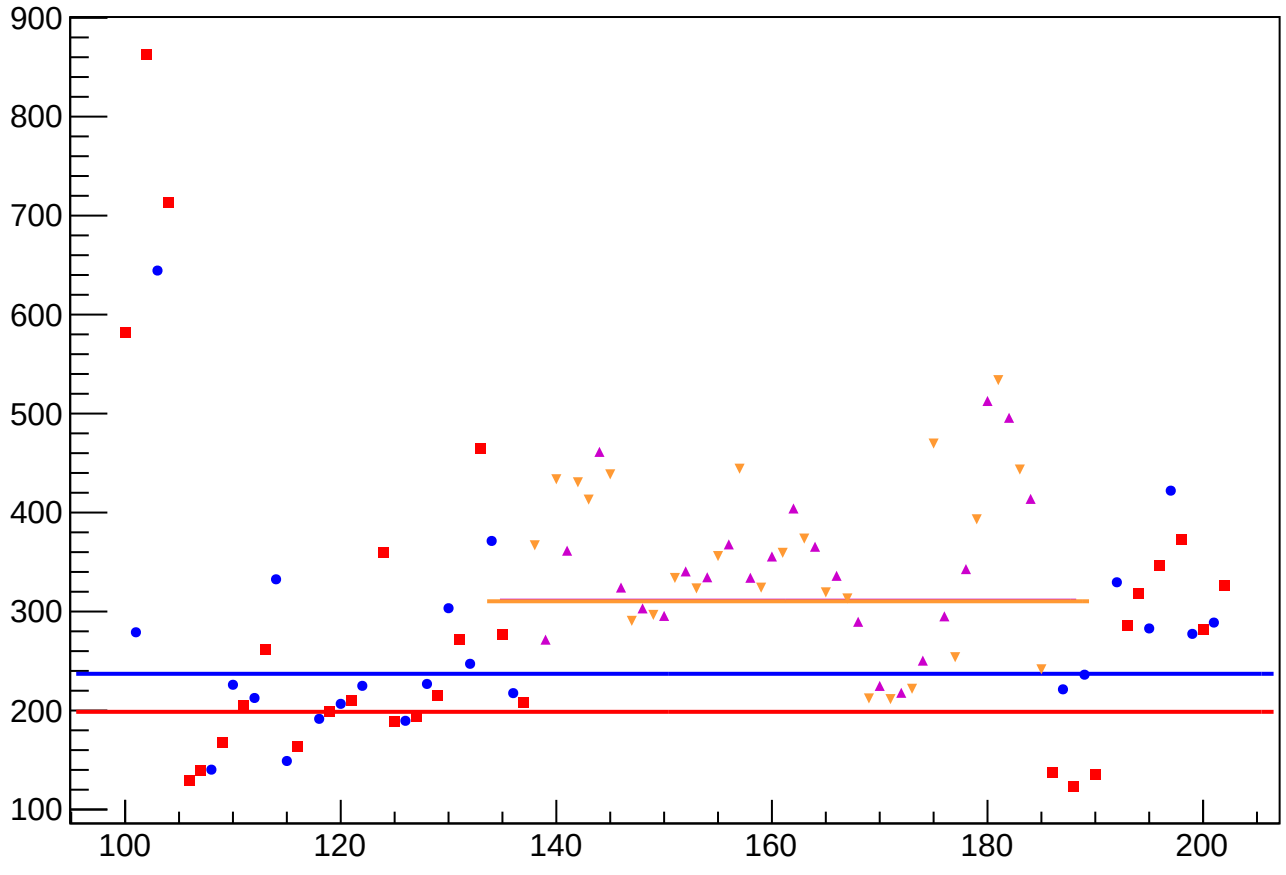
Right Out: -0.055+/-0.059 χ^2/NDF: 34.5/27

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.052 χ^2/NDF: 40.2/47

All: -0.011+/-0.035 χ^2/NDF: 109.9/98

- sign 0.004+/-0.047 χ^2/NDF: 69.4/50



Right In: 237.097+/-0.051 χ^2/NDF: 1853908.7/22

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

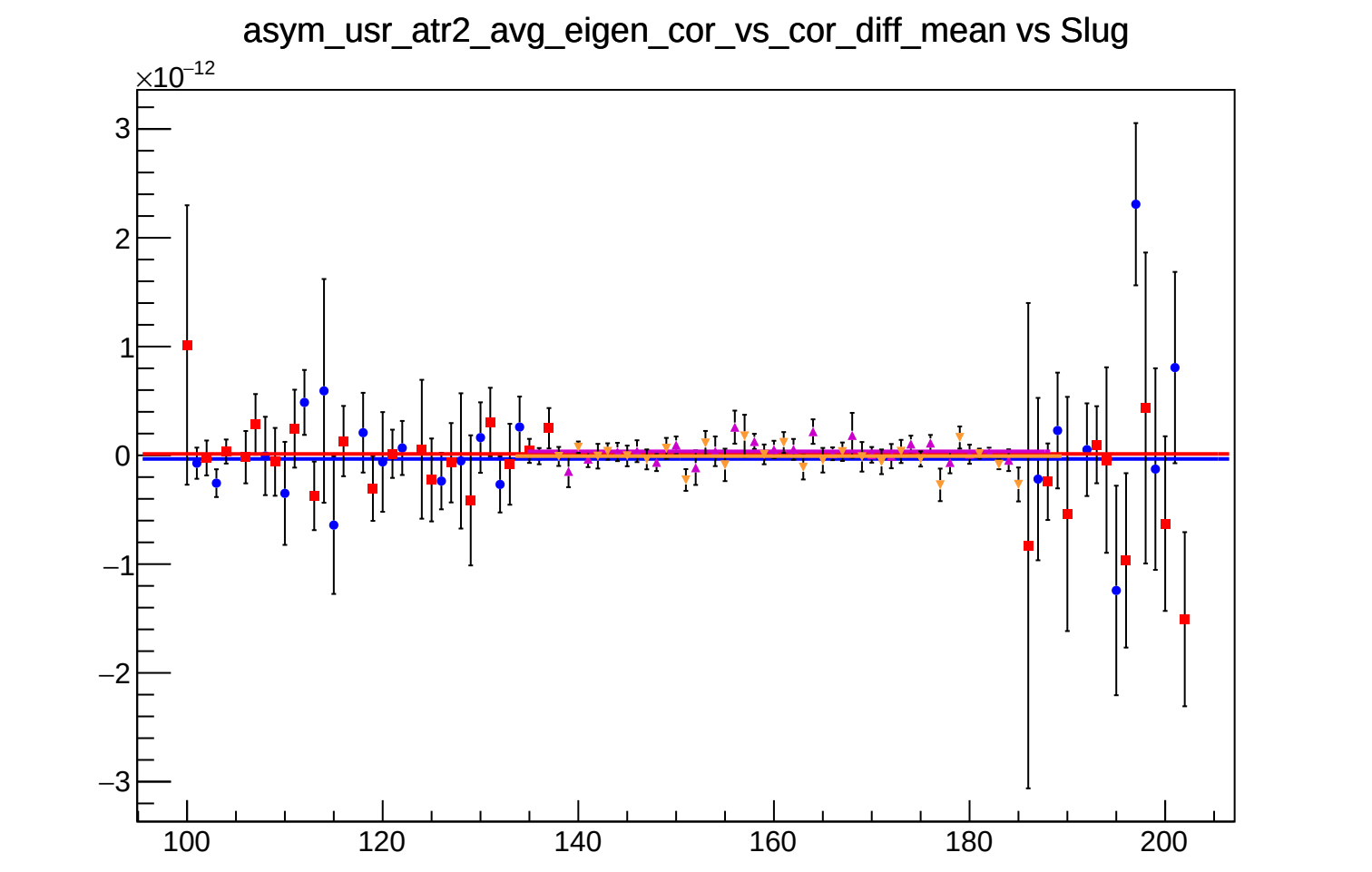
Right Out: 198.683+/-0.042 χ^2/NDF: 4178016.7/27

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 272.411+/-0.037 χ^2/NDF: 5214497.6/47

All: 255.105+/-0.025 χ^2/NDF: 14099765.6/98

- sign 240.994+/-0.033 χ^2/NDF: 8480627.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

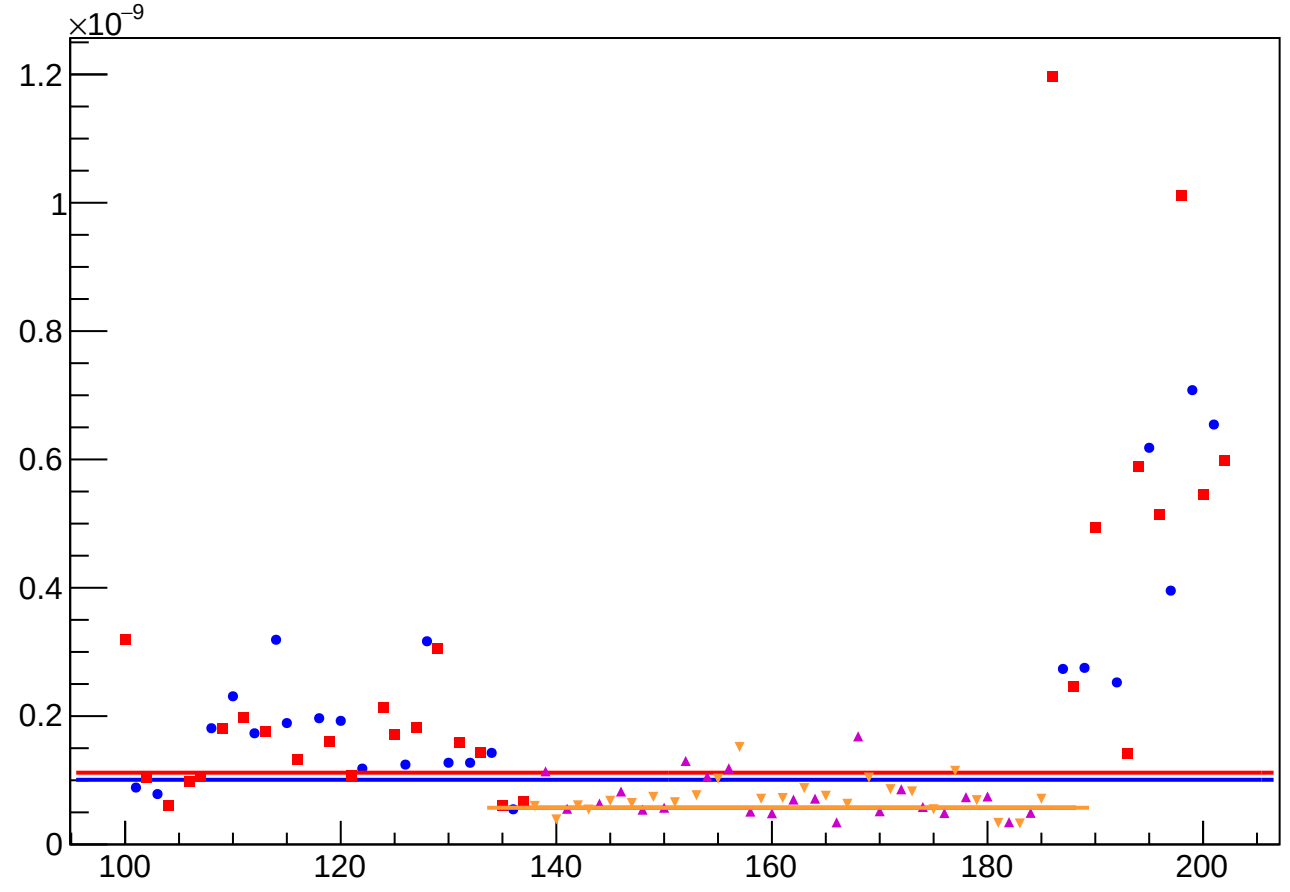
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/27

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.3/47

All: 0.000+/-0.000 χ^2/NDF: 86.2/98

- sign 0.000+/-0.000 χ^2/NDF: 32.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 5016202.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6110309.2/27

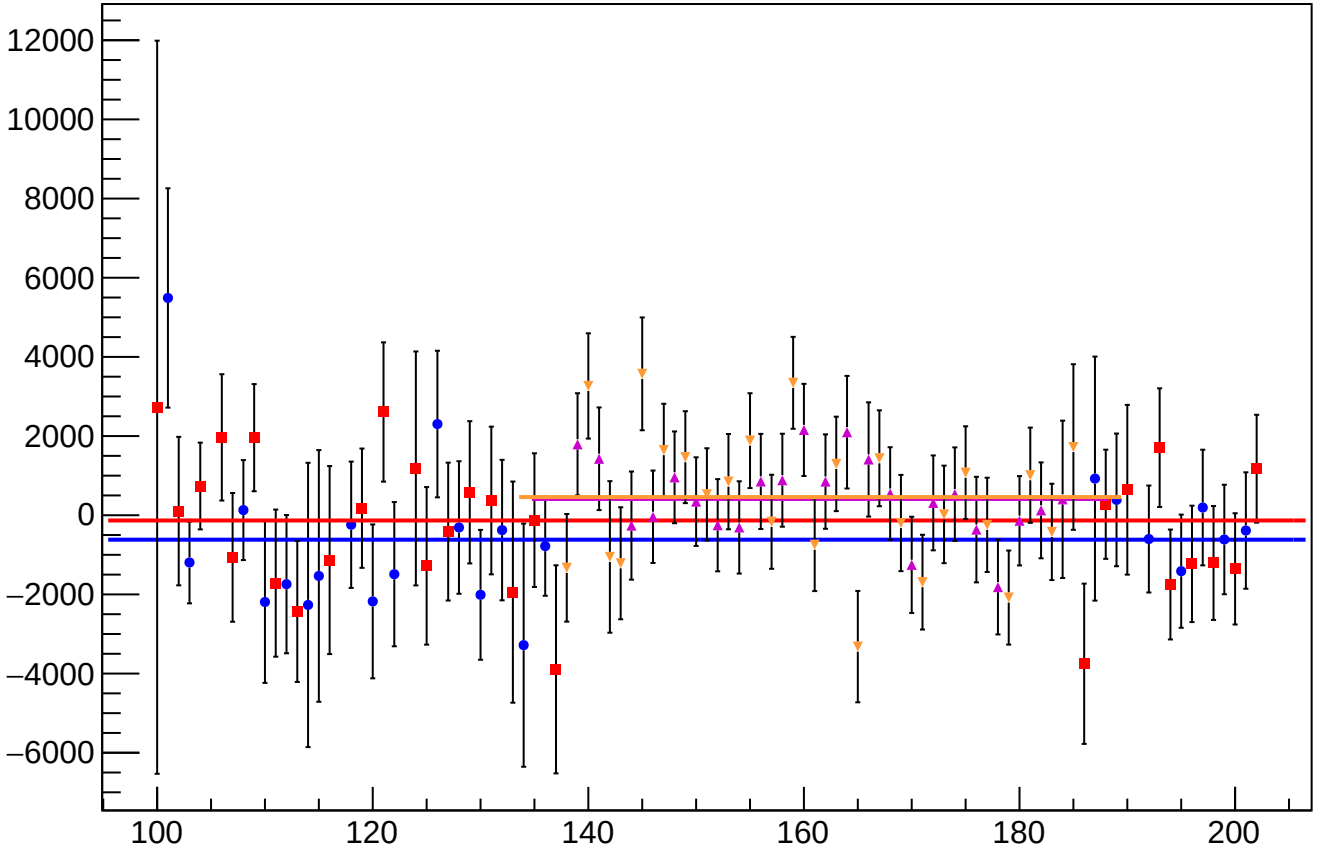
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9765308.2/47

All: 0.000+/-0.000 χ^2/NDF: 21261274.4/98

- sign 0.000+/-0.000 χ^2/NDF: 11489834.2/50

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -617.653+/-344.474 χ^2/NDF: 13.0/22

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -132.387+/-318.646 χ^2/NDF: 22.5/27

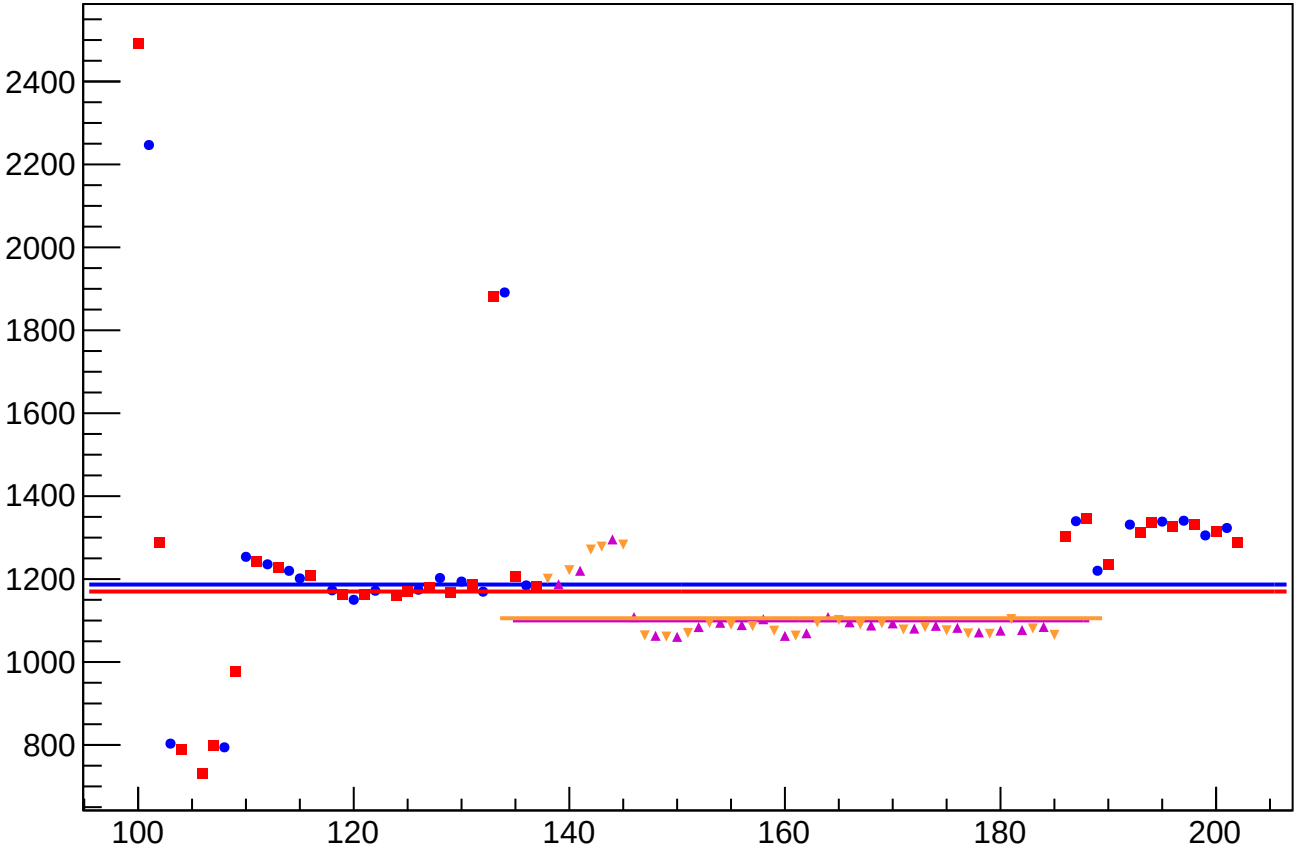
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 84.429+/-203.144 χ^2/NDF: 61.5/47

All: 141.449+/-142.570 χ^2/NDF: 99.6/98

- sign 196.794+/-200.138 χ^2/NDF: 38.0/50

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1186.834+/-0.244 χ^2/NDF: 977439.1/22

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1170.030+/-0.224 χ^2/NDF: 933798.4/27

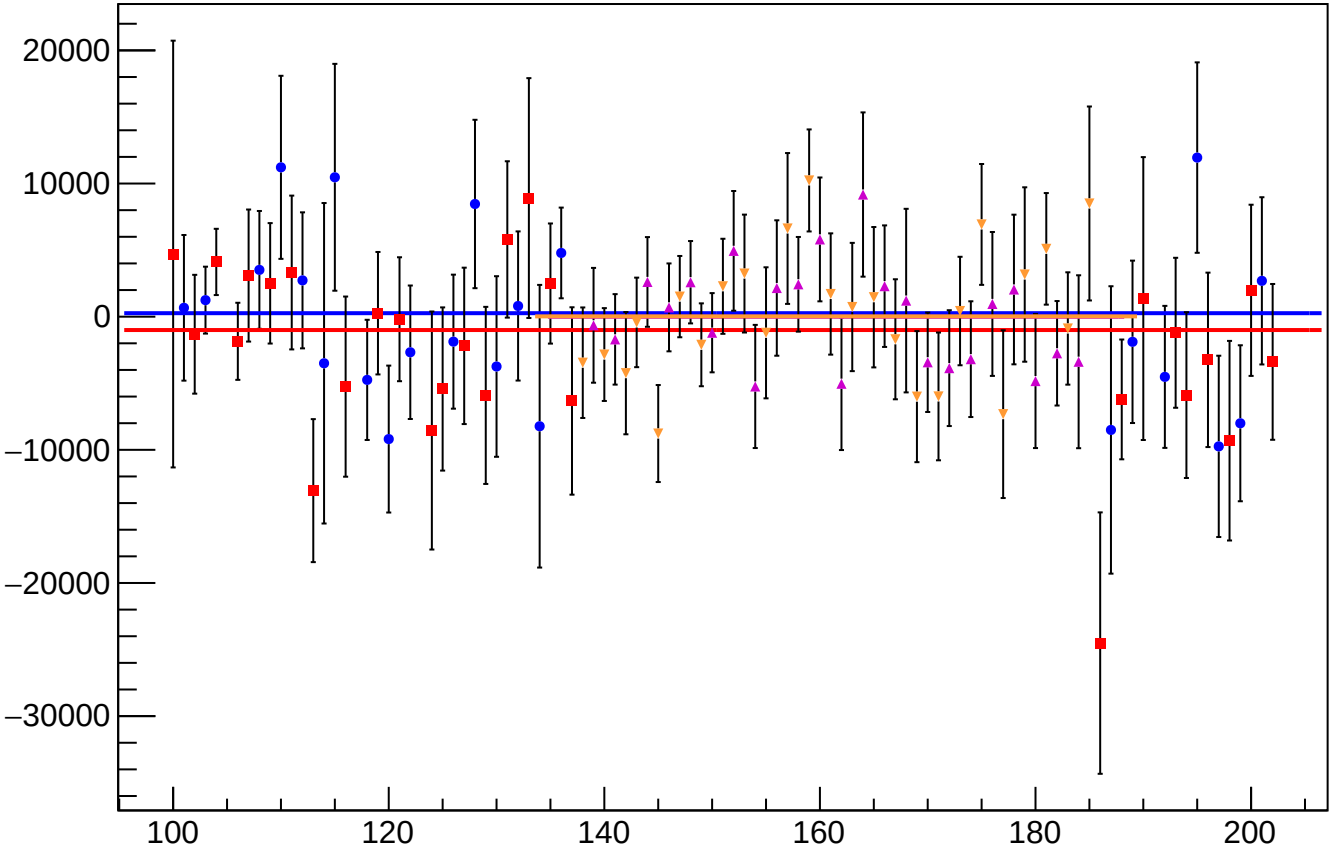
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

\+ sign 1133.817+/-0.144 χ^2/NDF: 1172022.6/47

All: 1130.862+/-0.101 χ^2/NDF: 2245153.6/98

\- sign 1128.005+/-0.141 χ^2/NDF: 1072298.5/50

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 262.647+/-1101.433 χ^2/NDF: 22.7/22

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -1003.287+/-987.024 χ^2/NDF: 26.9/27

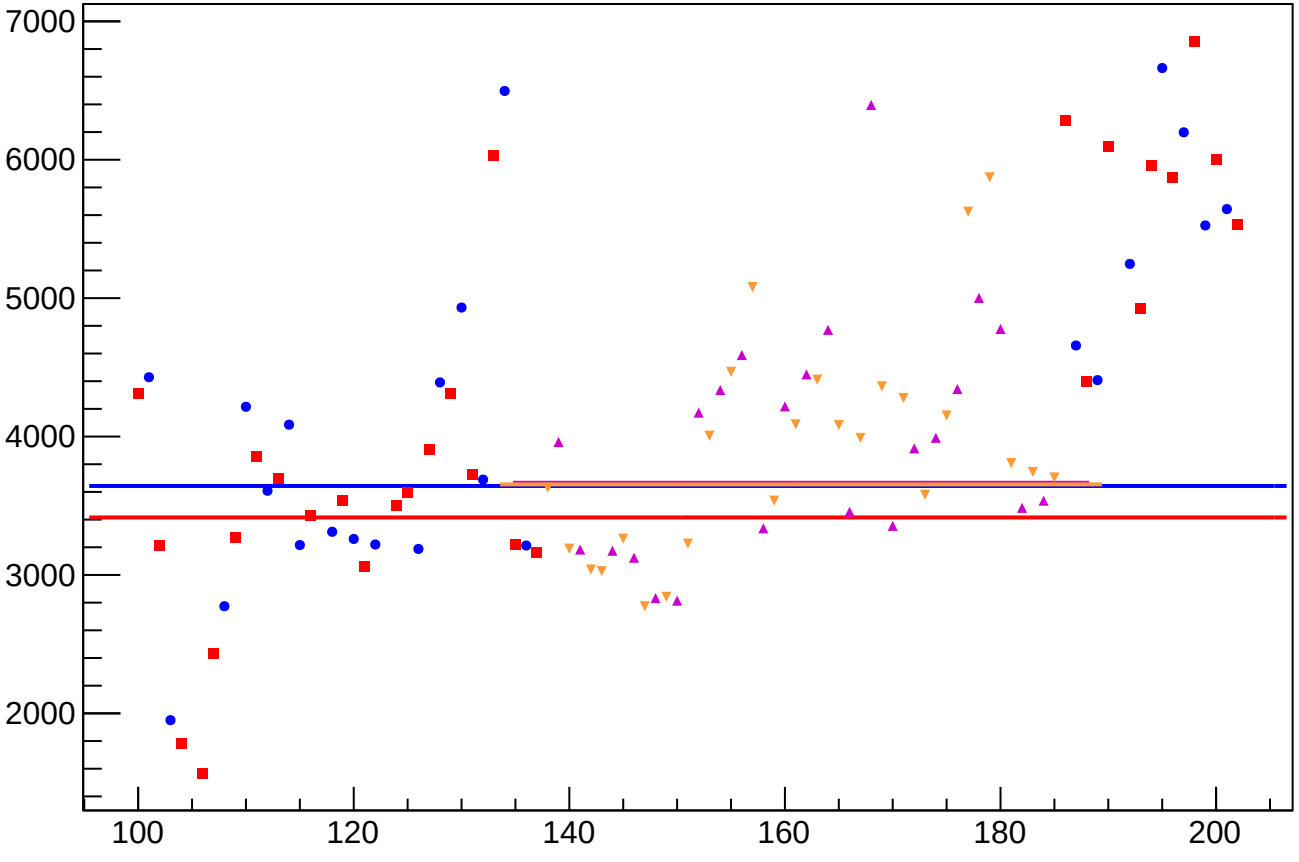
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 112.735+/-673.120 χ^2/NDF: 51.2/47

All: -173.891+/-469.381 χ^2/NDF: 93.0/98

- sign -445.182+/-654.865 χ^2/NDF: 41.4/50

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3643.054+/-0.779 χ^2/NDF: 2653221.4/22

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3415.487+/-0.698 χ^2/NDF: 4191109.7/27

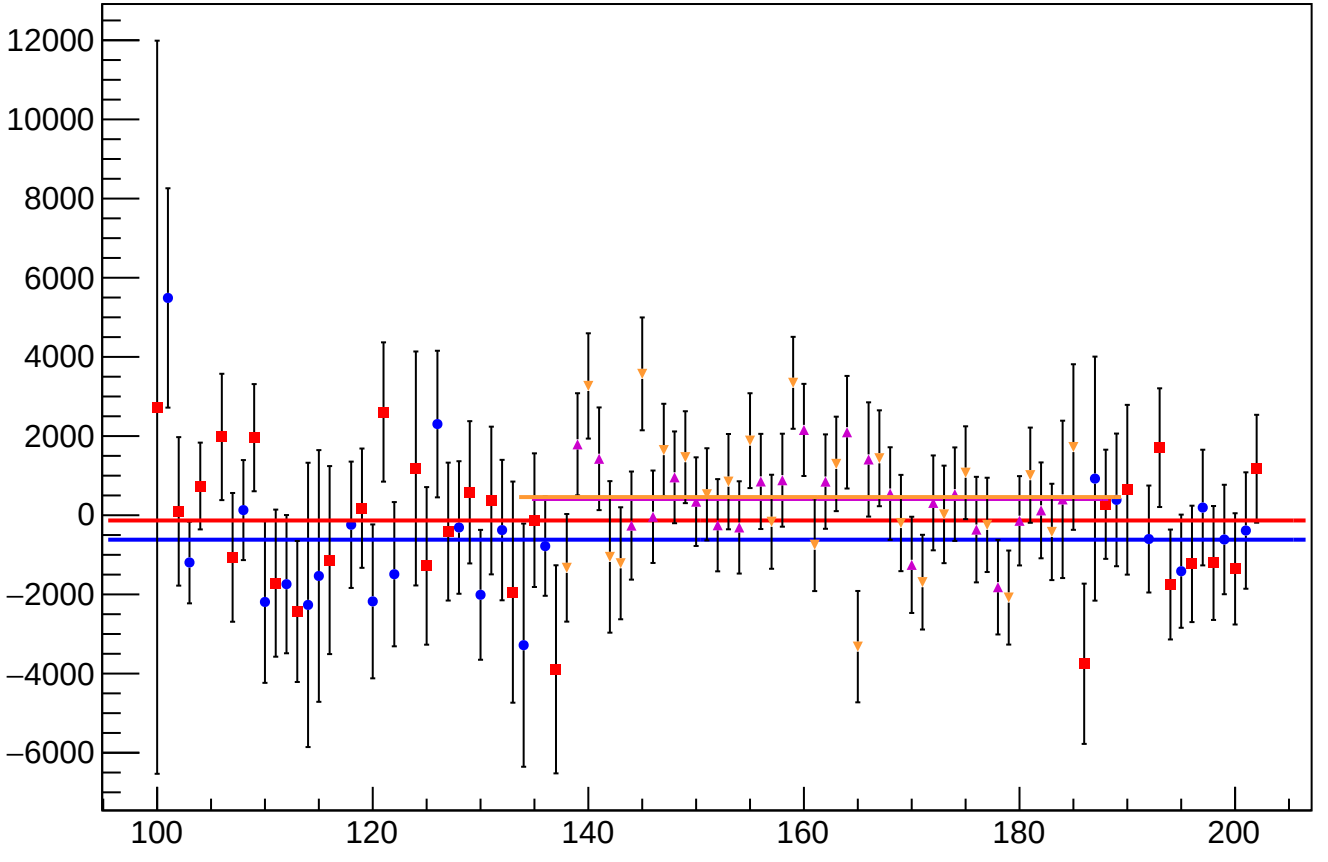
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3650.036+/-0.476 χ^2/NDF: 3965111.3/47

All: 3601.618+/-0.332 χ^2/NDF: 9592262.5/98

- sign 3555.791+/-0.463 χ^2/NDF: 5607008.9/50

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -617.664+/-344.475 χ^2/NDF: 13.0/22

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -132.219+/-318.648 χ^2/NDF: 22.6/27

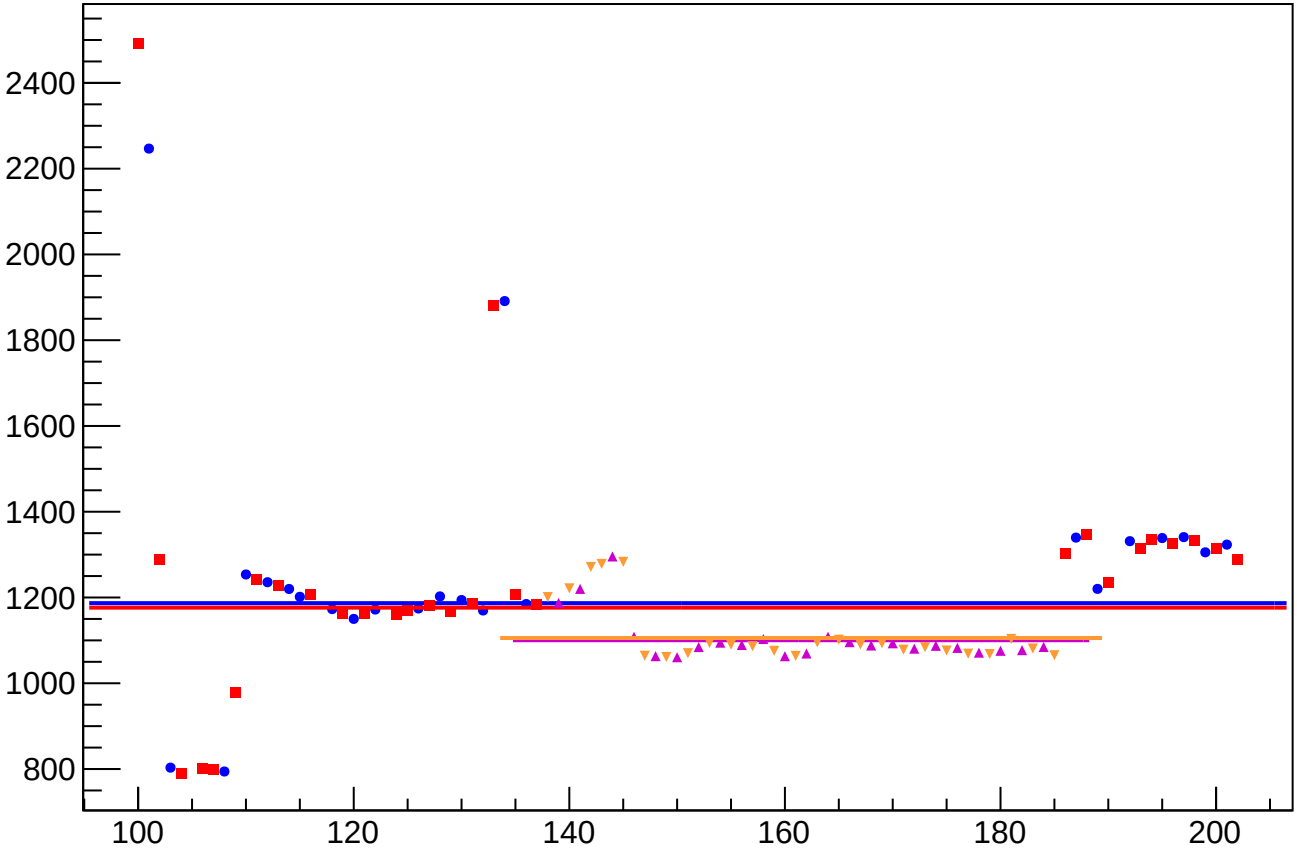
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 84.466+/-203.144 χ^2/NDF: 61.5/47

All: 141.471+/-142.570 χ^2/NDF: 99.6/98

- sign 196.803+/-200.139 χ^2/NDF: 38.0/50

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1186.834+/-0.244 χ^2/NDF: 977434.7/22

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

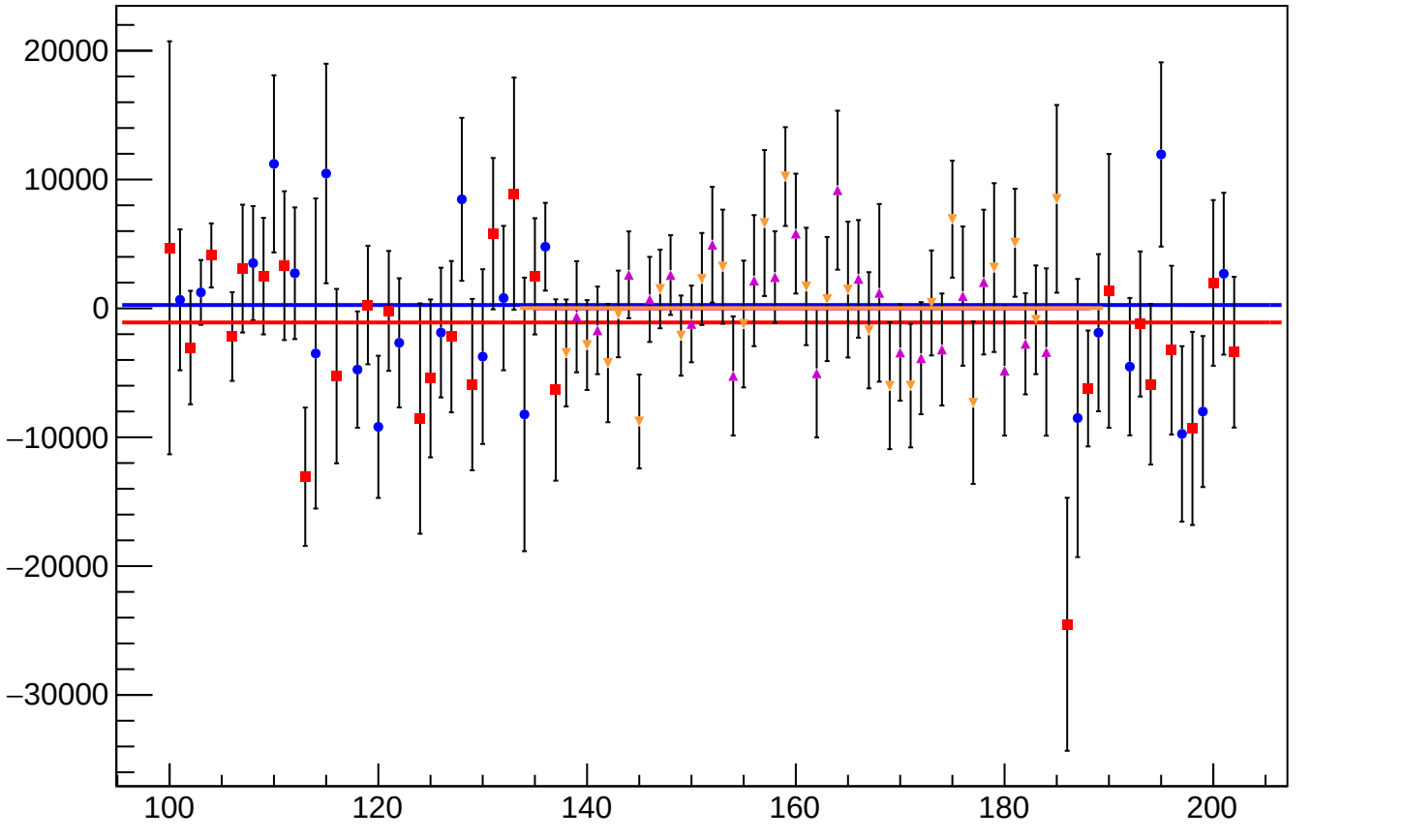
Right Out: 1176.341+/-0.225 χ^2/NDF: 857047.1/27

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

\+ sign 1133.818+/-0.144 χ^2/NDF: 1172018.9/47

All: 1132.067+/-0.101 χ^2/NDF: 2178569.1/98

\- sign 1130.370+/-0.141 χ^2/NDF: 1006257.8/50



Right In: 262.176+/-1101.469 χ^2/NDF: 22.7/22

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1091.812+/-1003.603 χ^2/NDF: 27.1/27

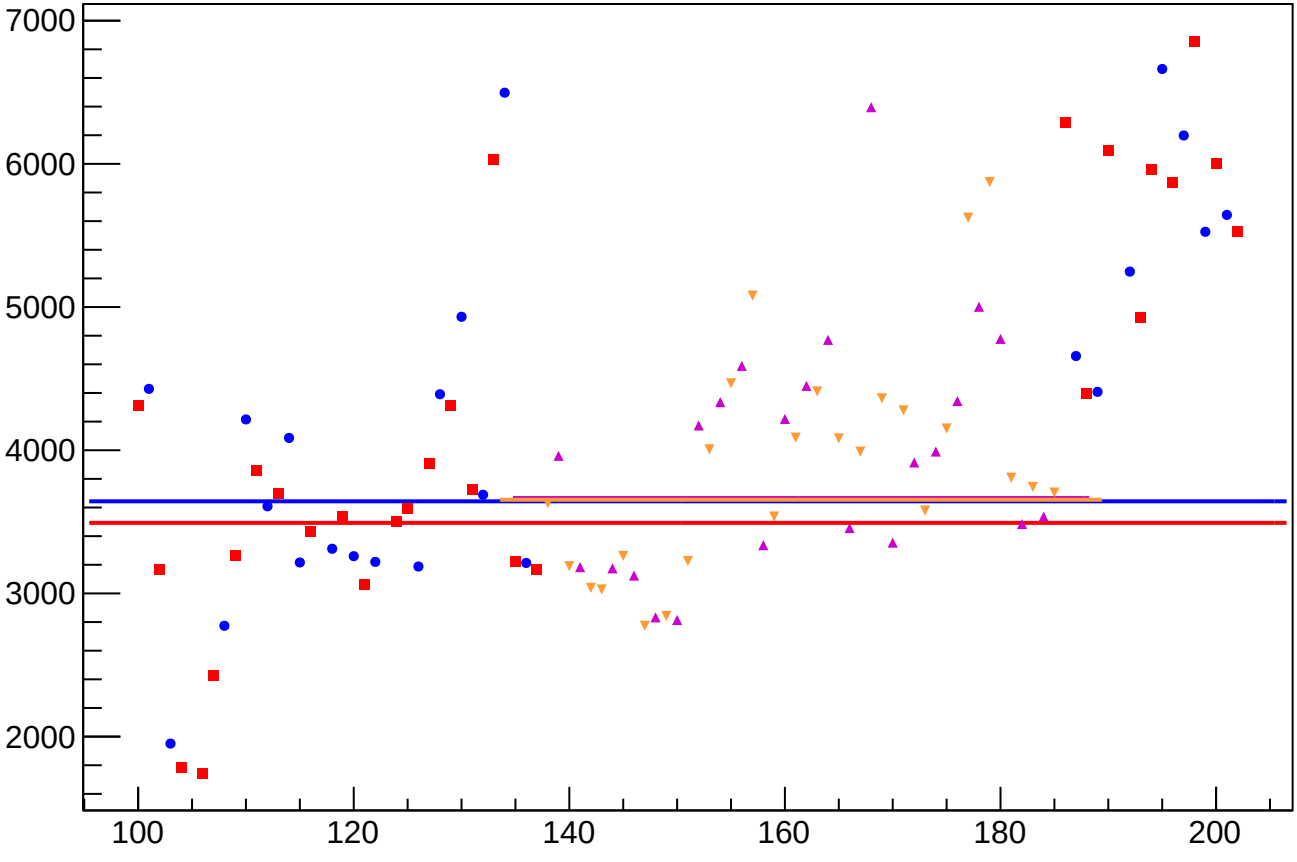
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 112.553+/-673.128 χ^2/NDF: 51.2/47

All: -187.315+/-471.132 χ^2/NDF: 93.4/98

- sign -475.286+/-659.639 χ^2/NDF: 41.8/50

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3643.231+/-0.779 χ^2/NDF: 2652531.6/22

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3492.795+/-0.710 χ^2/NDF: 3836783.8/27

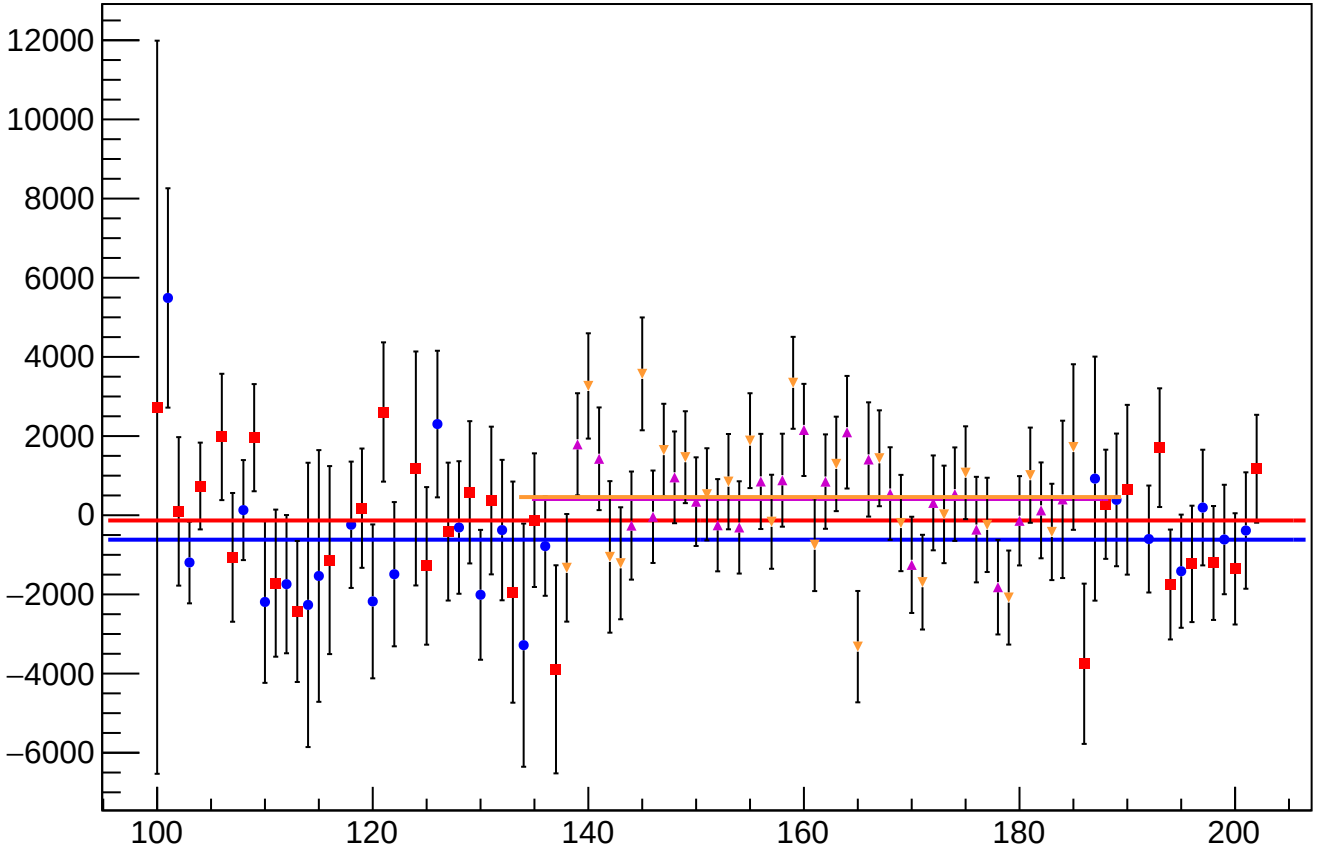
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3650.100+/-0.476 χ^2/NDF: 3964425.1/47

All: 3620.074+/-0.333 χ^2/NDF: 9186601.9/98

- sign 3591.239+/-0.466 χ^2/NDF: 5214375.5/50

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -617.664+/-344.475 χ^2/NDF: 13.0/22

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -132.219+/-318.648 χ^2/NDF: 22.6/27

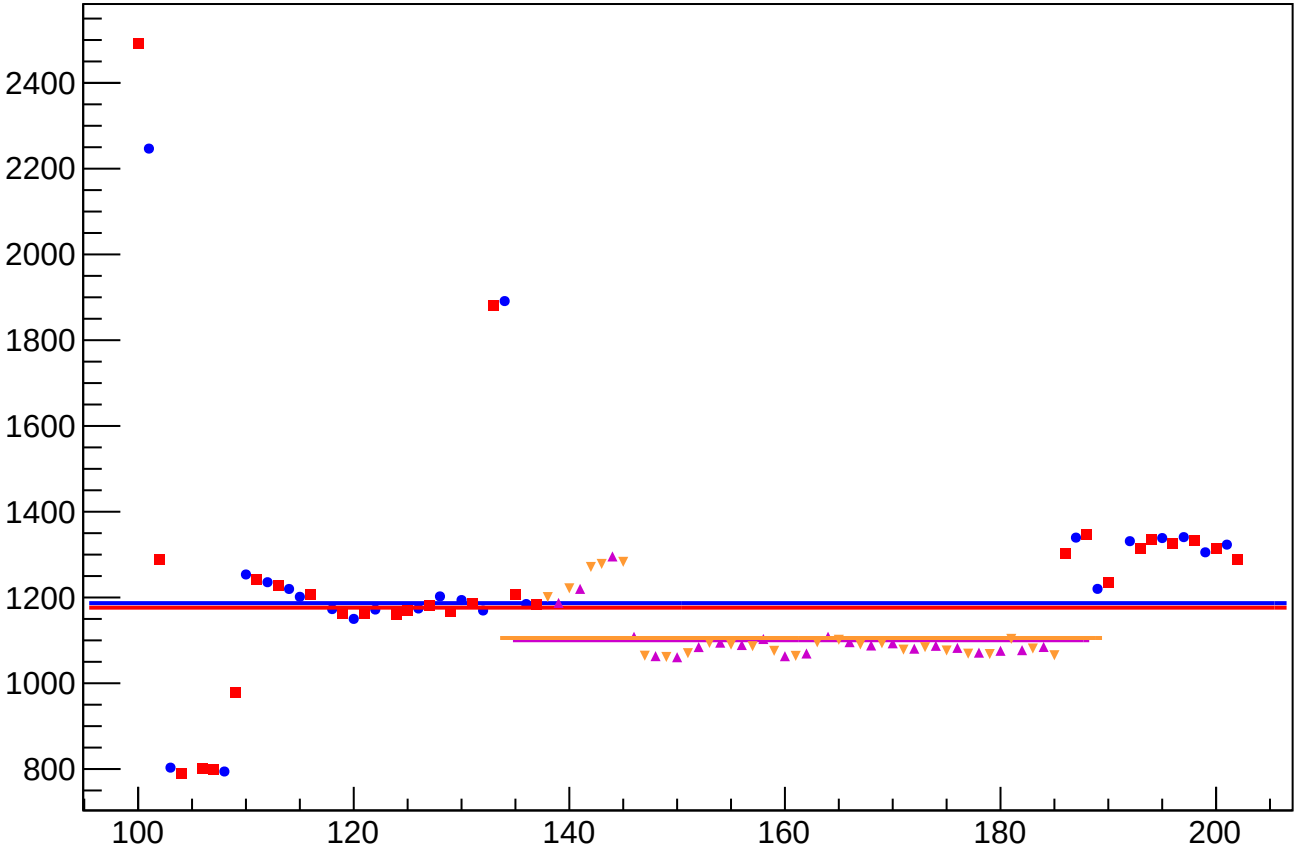
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 84.466+/-203.144 χ^2/NDF: 61.5/47

All: 141.471+/-142.570 χ^2/NDF: 99.6/98

- sign 196.803+/-200.139 χ^2/NDF: 38.0/50

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1186.834+/-0.244 χ^2/NDF: 977434.7/22

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

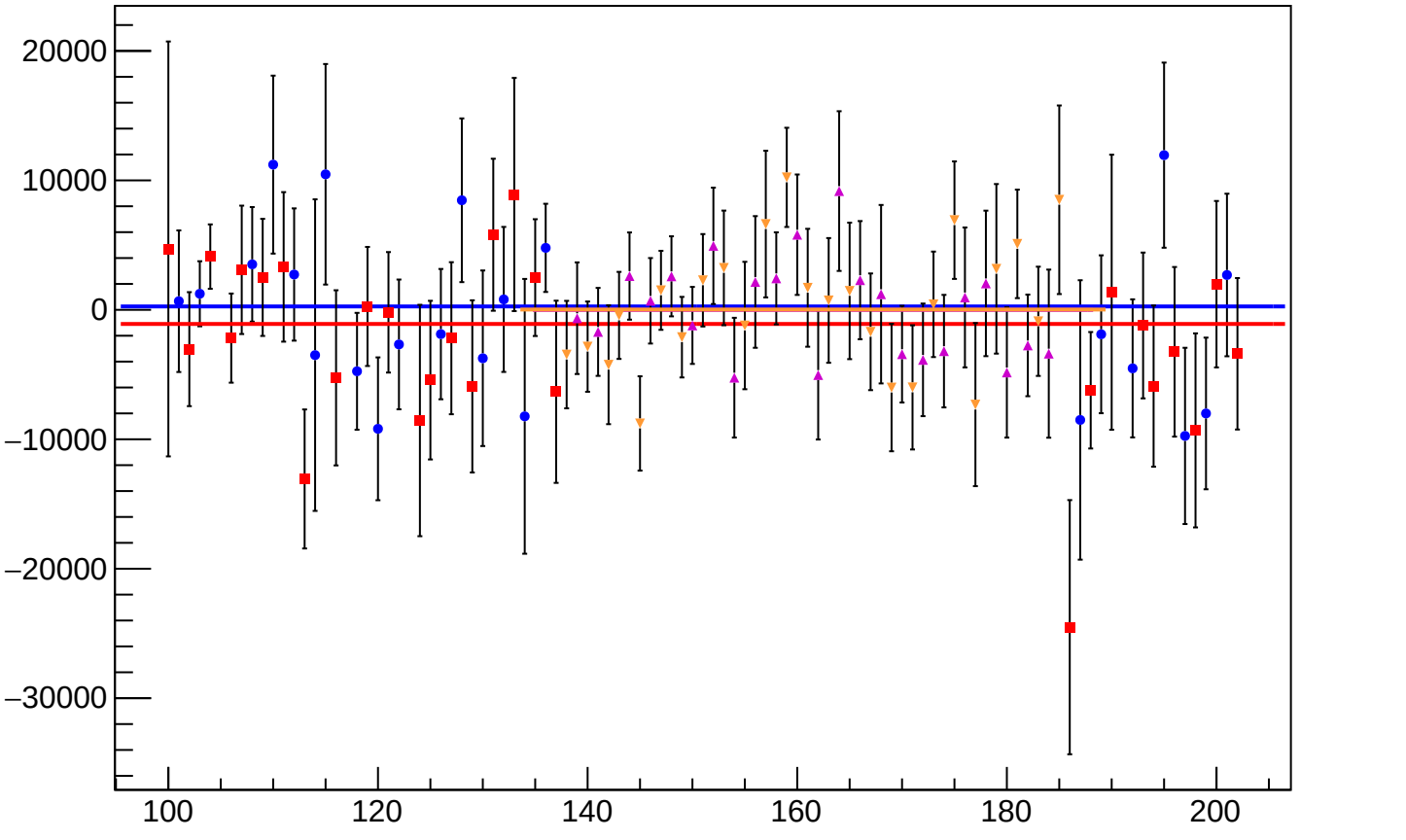
Right Out: 1176.341+/-0.225 χ^2/NDF: 857047.1/27

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1133.818+/-0.144 χ^2/NDF: 1172018.9/47

All: 1132.067+/-0.101 χ^2/NDF: 2178569.1/98

- sign 1130.370+/-0.141 χ^2/NDF: 1006257.8/50



Right In: 262.176+/-1101.469 χ^2/NDF: 22.7/22

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1091.812+/-1003.603 χ^2/NDF: 27.1/27

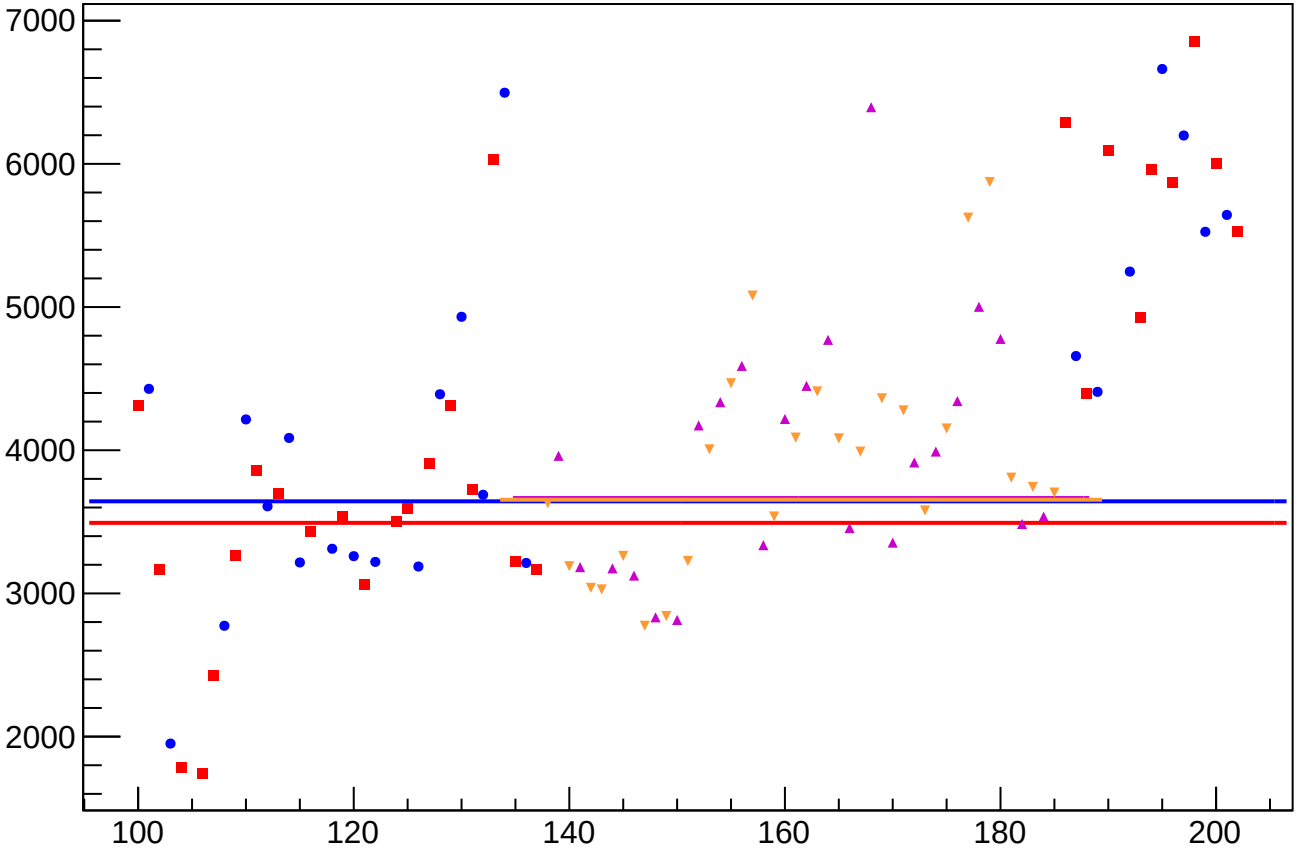
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 112.553+/-673.128 χ^2/NDF: 51.2/47

All: -187.315+/-471.132 χ^2/NDF: 93.4/98

- sign -475.286+/-659.639 χ^2/NDF: 41.8/50

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3643.231+/-0.779 χ^2/NDF: 2652531.6/22

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3492.795+/-0.710 χ^2/NDF: 3836783.8/27

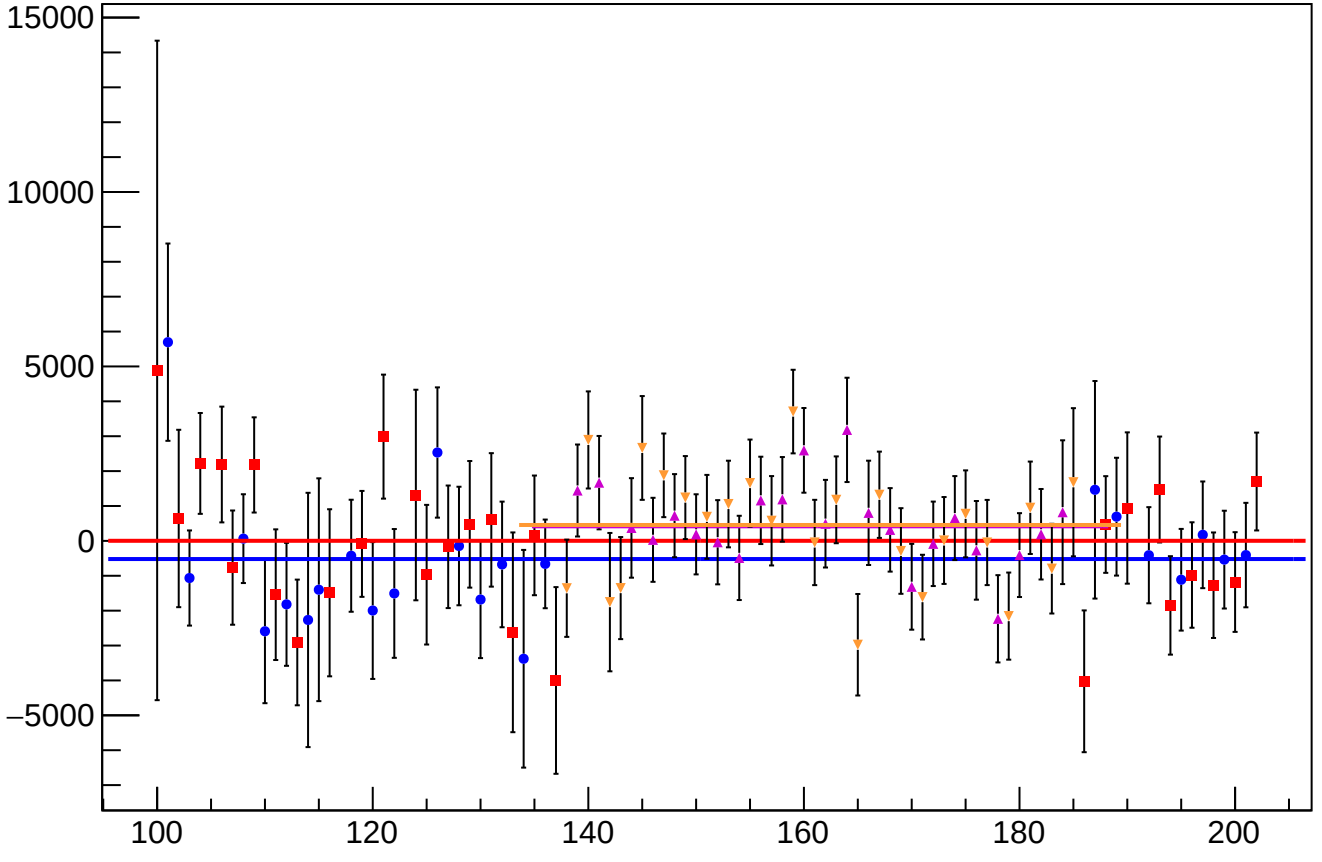
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3650.100+/-0.476 χ^2/NDF: 3964425.1/47

All: 3620.074+/-0.333 χ^2/NDF: 9186601.9/98

- sign 3591.239+/-0.466 χ^2/NDF: 5214375.5/50

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -520.530+/-357.931 χ^2/NDF: 13.3/22

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 2.322+/-331.784 χ^2/NDF: 27.6/27

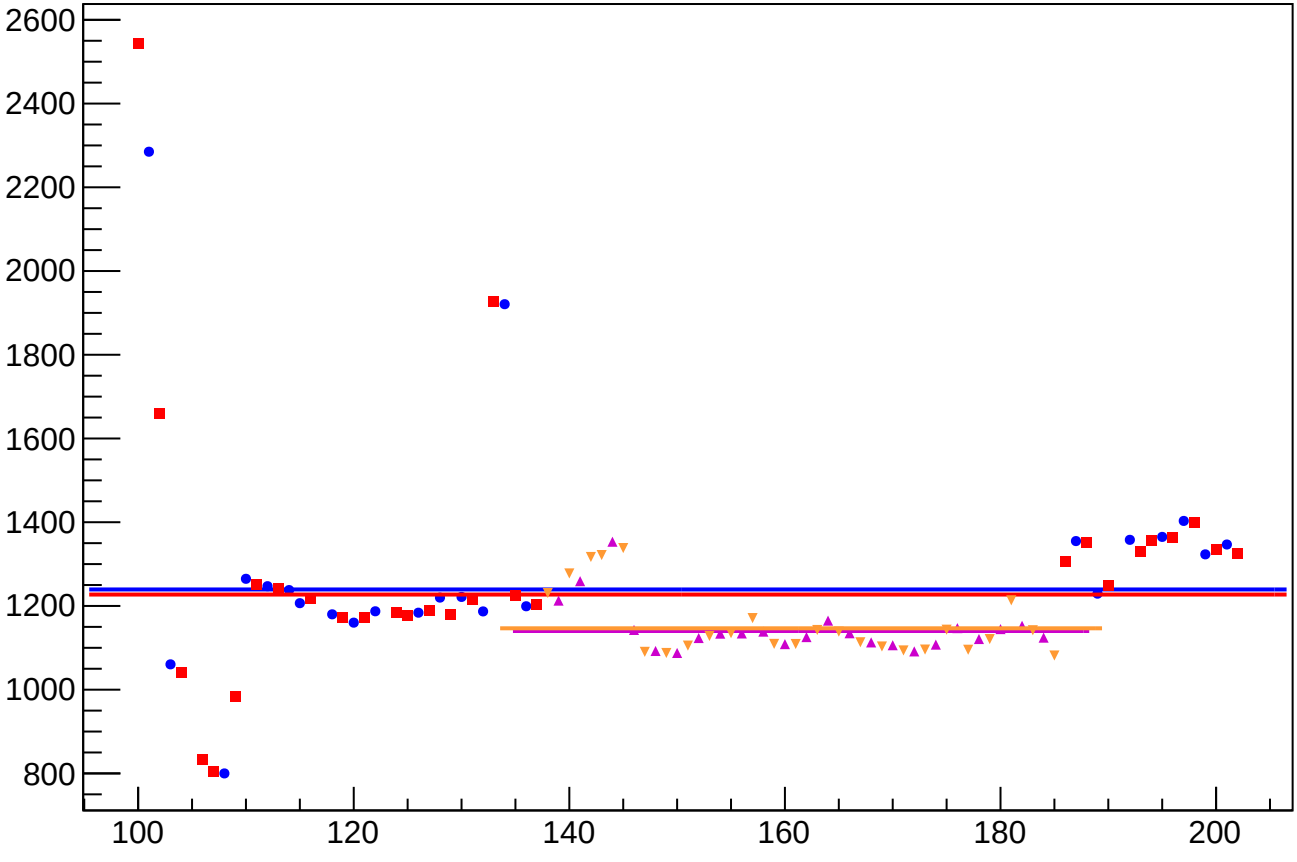
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 116.811+/-210.890 χ^2/NDF: 54.3/47

All: 186.637+/-148.022 χ^2/NDF: 100.3/98

- sign 254.440+/-207.813 χ^2/NDF: 45.8/50

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1239.397+/-0.253 χ^2/NDF: 728674.0/22

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1227.233+/-0.235 χ^2/NDF: 679394.1/27

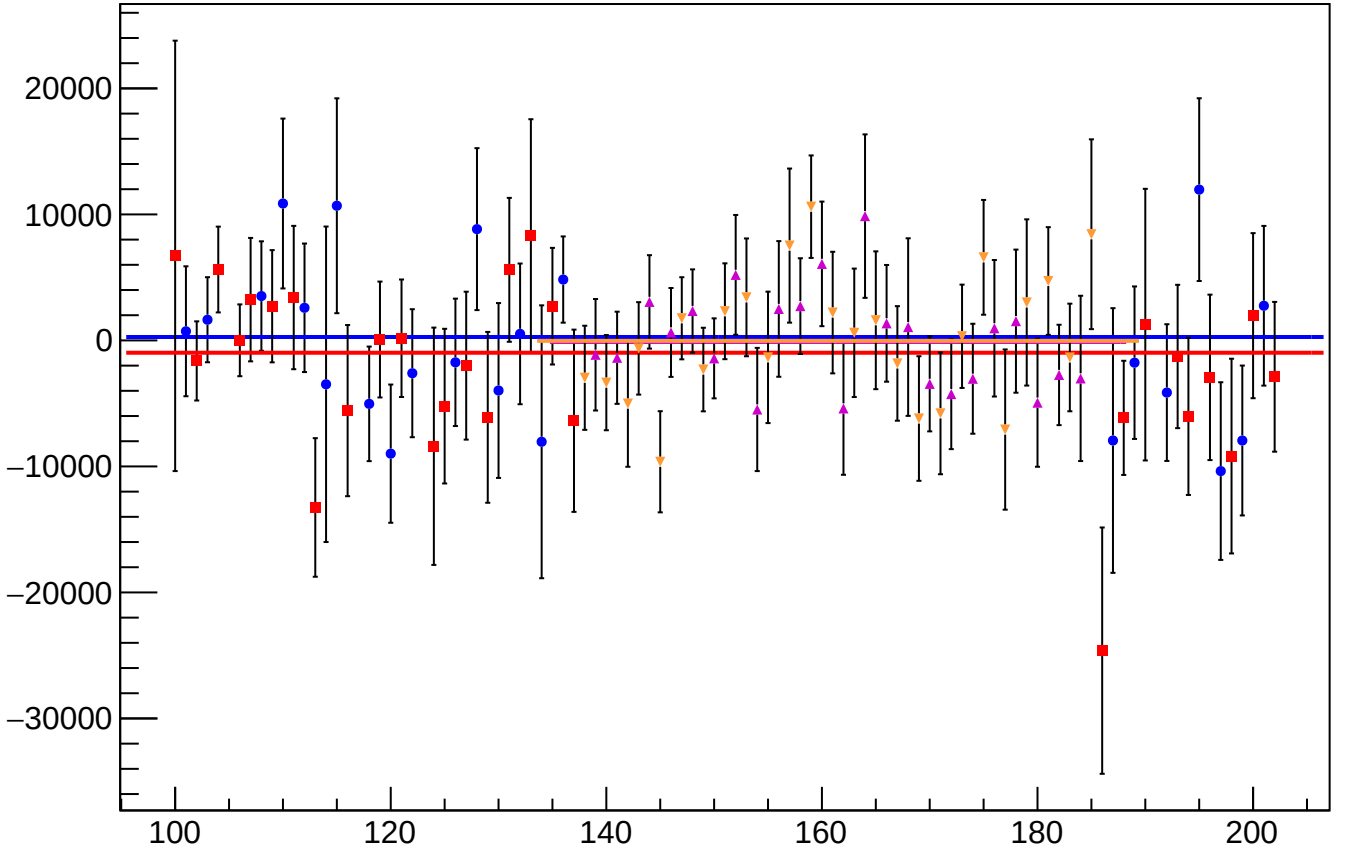
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1178.823+/-0.149 χ^2/NDF: 957427.1/47

All: 1176.546+/-0.105 χ^2/NDF: 1805737.4/98

- sign 1174.336+/-0.147 χ^2/NDF: 847850.8/50

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 271.001+/-1153.029 χ^2/NDF: 22.5/22

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -976.980+/-1000.933 χ^2/NDF: 26.3/27

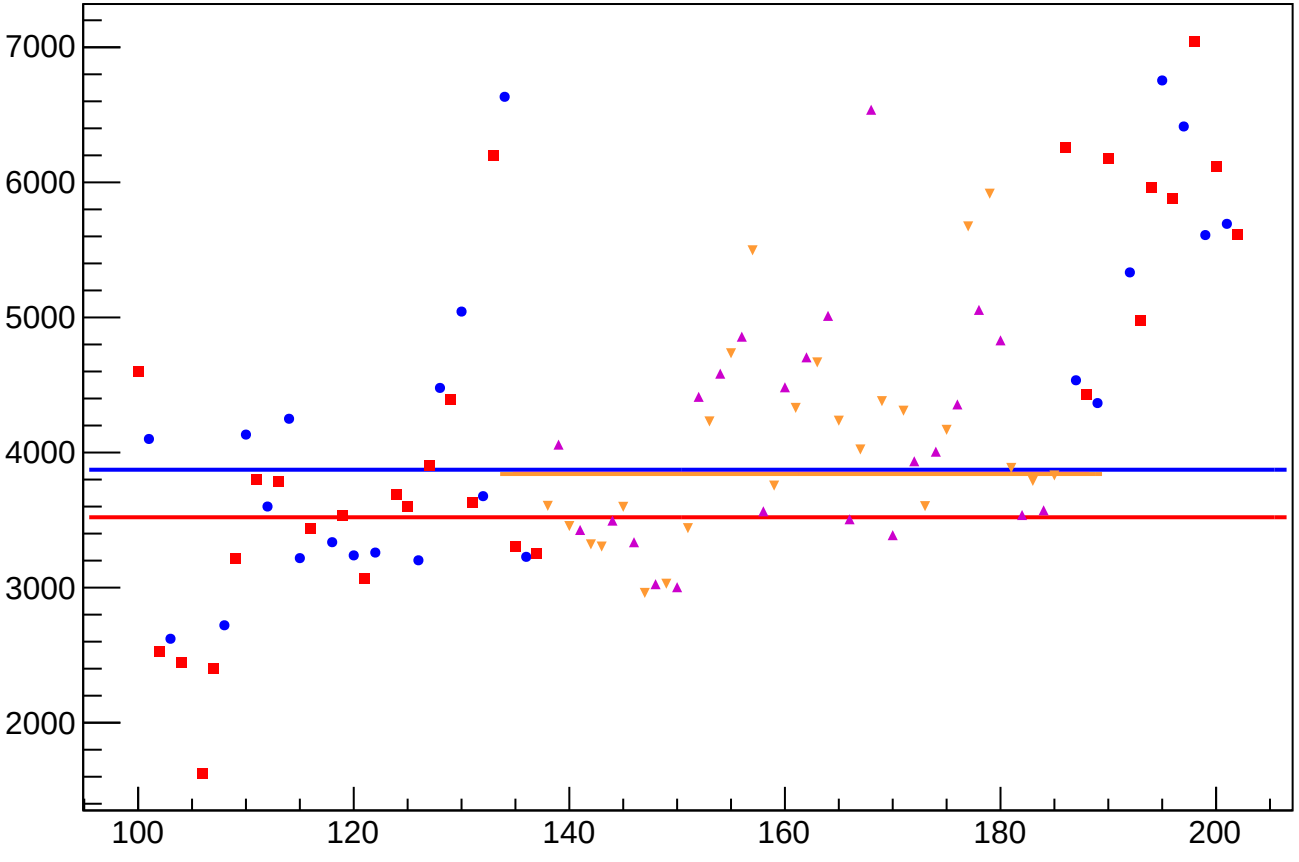
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 80.376+/-705.212 χ^2/NDF: 50.3/47

All: -227.993+/-487.865 χ^2/NDF: 91.2/98

- sign -511.034+/-675.630 χ^2/NDF: 40.5/50

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3872.745+/-0.815 χ^2/NDF: 1916404.8/22

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3520.816+/-0.708 χ^2/NDF: 3691680.3/27

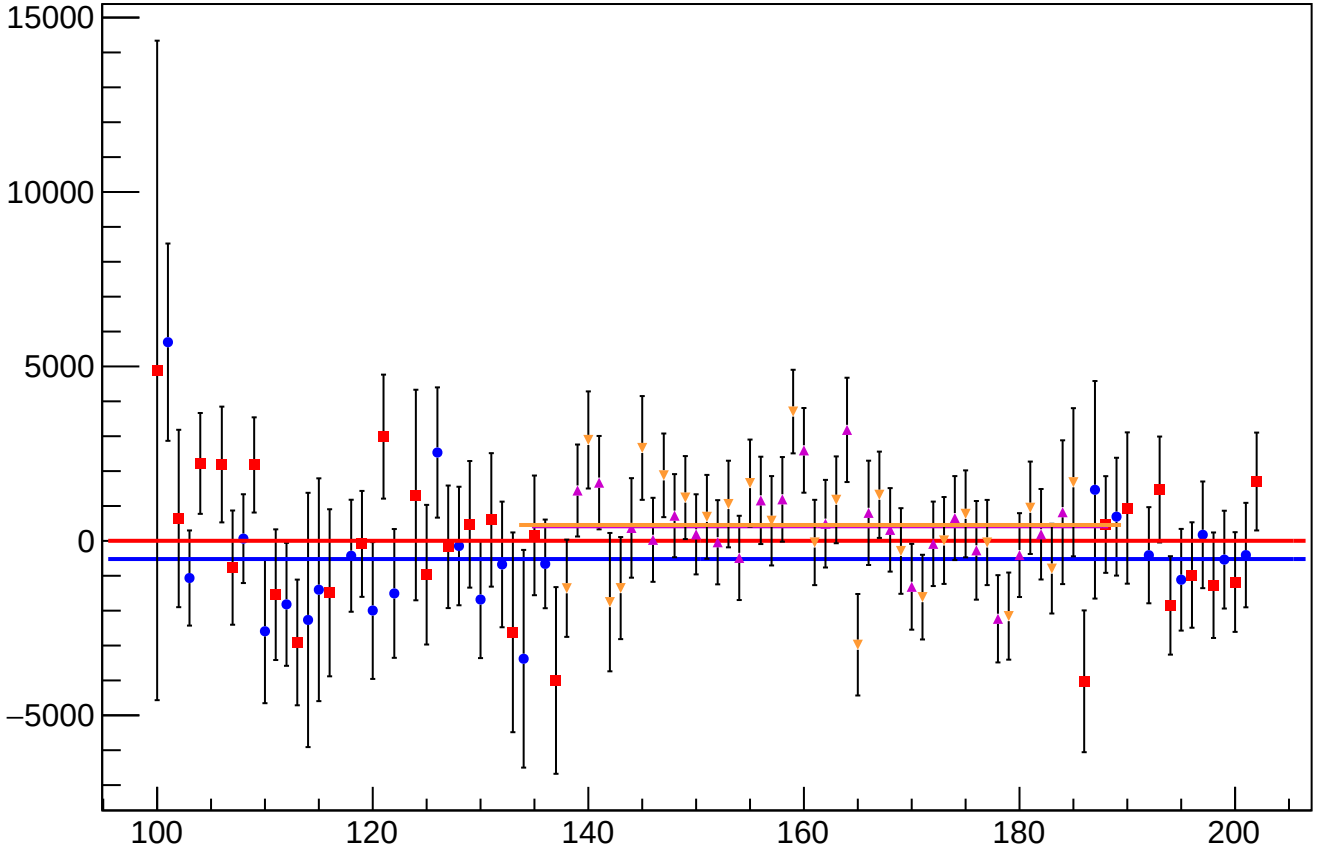
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3852.769+/-0.499 χ^2/NDF: 3036030.5/47

All: 3771.227+/-0.345 χ^2/NDF: 8088084.5/98

- sign 3696.384+/-0.478 χ^2/NDF: 5000772.2/50

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -520.532+/-357.931 χ^2/NDF: 13.3/22

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 2.325+/-331.784 χ^2/NDF: 27.6/27

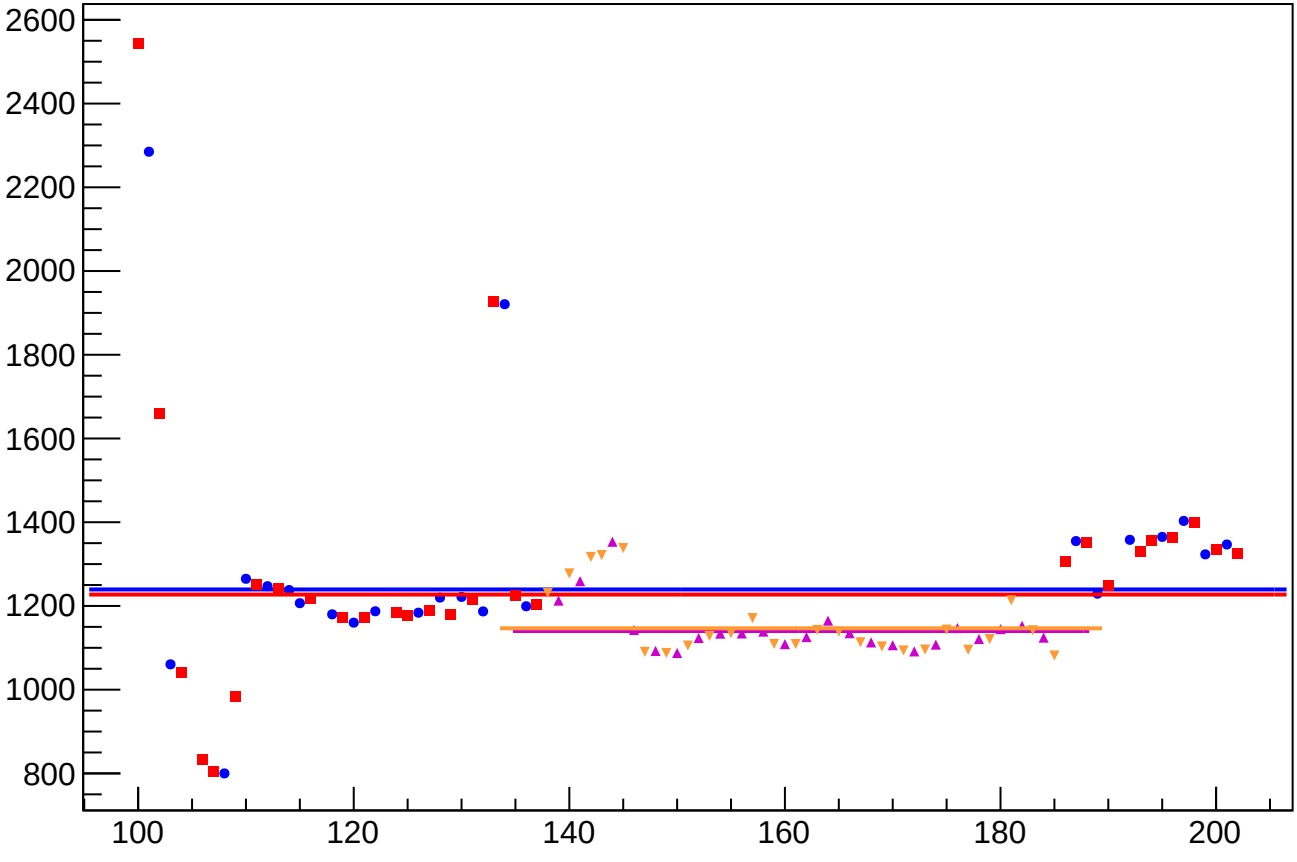
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 116.813+/-210.891 χ^2/NDF: 54.3/47

All: 186.638+/-148.022 χ^2/NDF: 100.3/98

- sign 254.440+/-207.813 χ^2/NDF: 45.8/50

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1239.397+/-0.253 χ^2/NDF: 728674.5/22

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

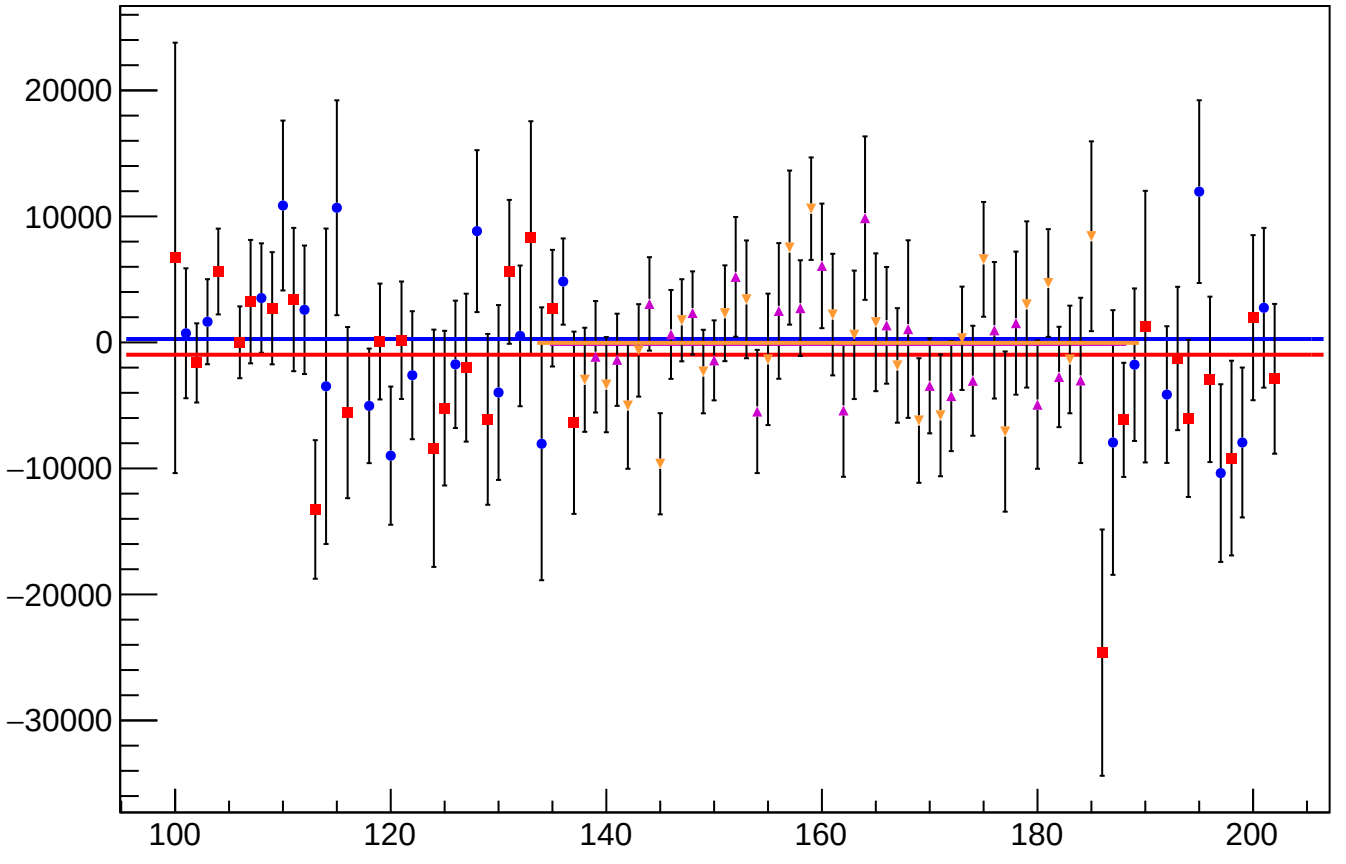
Right Out: 1227.233+/-0.235 χ^2/NDF: 679393.8/27

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1178.823+/-0.149 χ^2/NDF: 957426.3/47

All: 1176.547+/-0.105 χ^2/NDF: 1805735.0/98

- sign 1174.336+/-0.147 χ^2/NDF: 847849.2/50



Right In: 270.989+/-1153.028 χ^2/NDF: 22.5/22

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

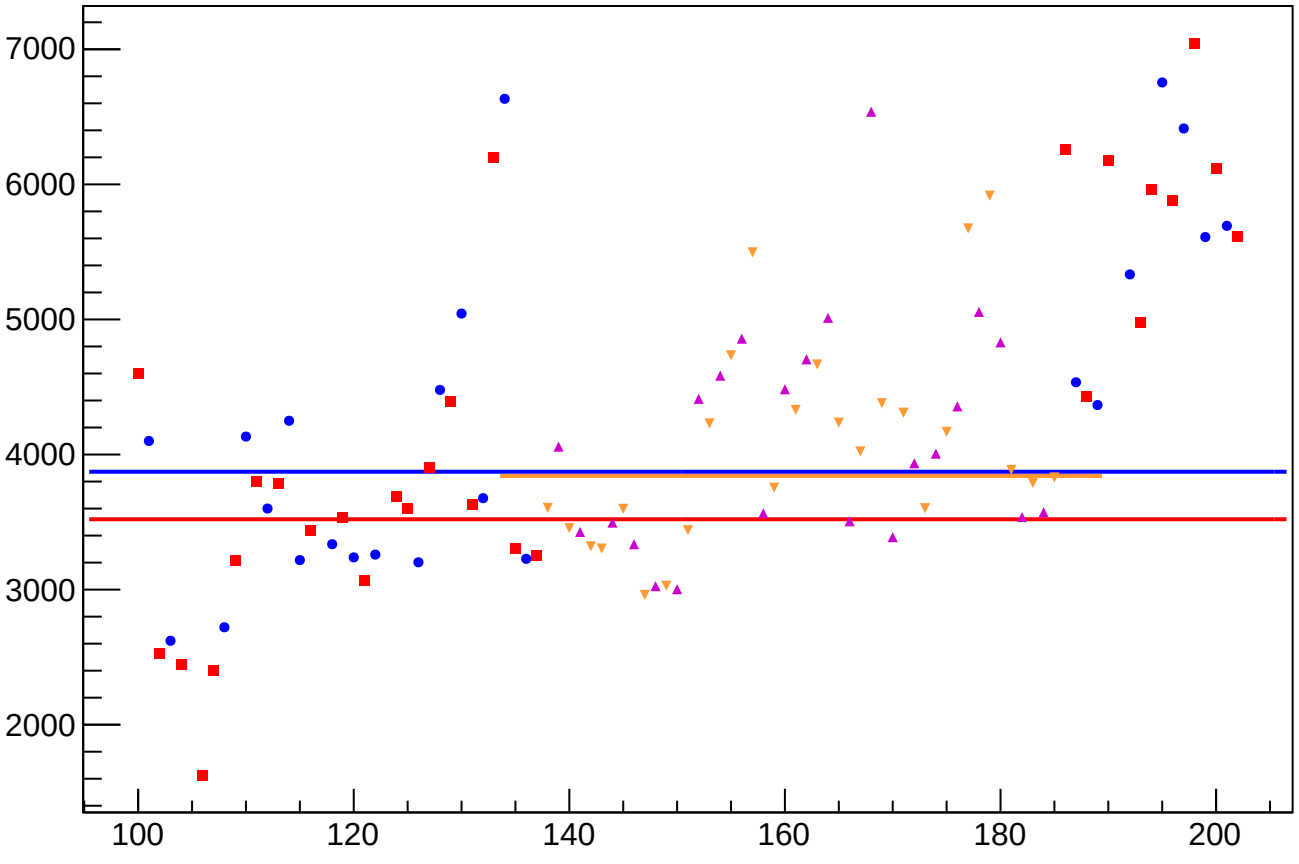
Right Out: -976.972+/-1000.932 χ^2/NDF: 26.3/27

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 80.372+/-705.212 χ^2/NDF: 50.3/47

All: -227.994+/-487.866 χ^2/NDF: 91.2/98

- sign -511.033+/-675.630 χ^2/NDF: 40.5/50



Right In: 3872.742+/-0.815 χ^2/NDF: 1916411.8/22

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3520.811+/-0.708 χ^2/NDF: 3691696.5/27

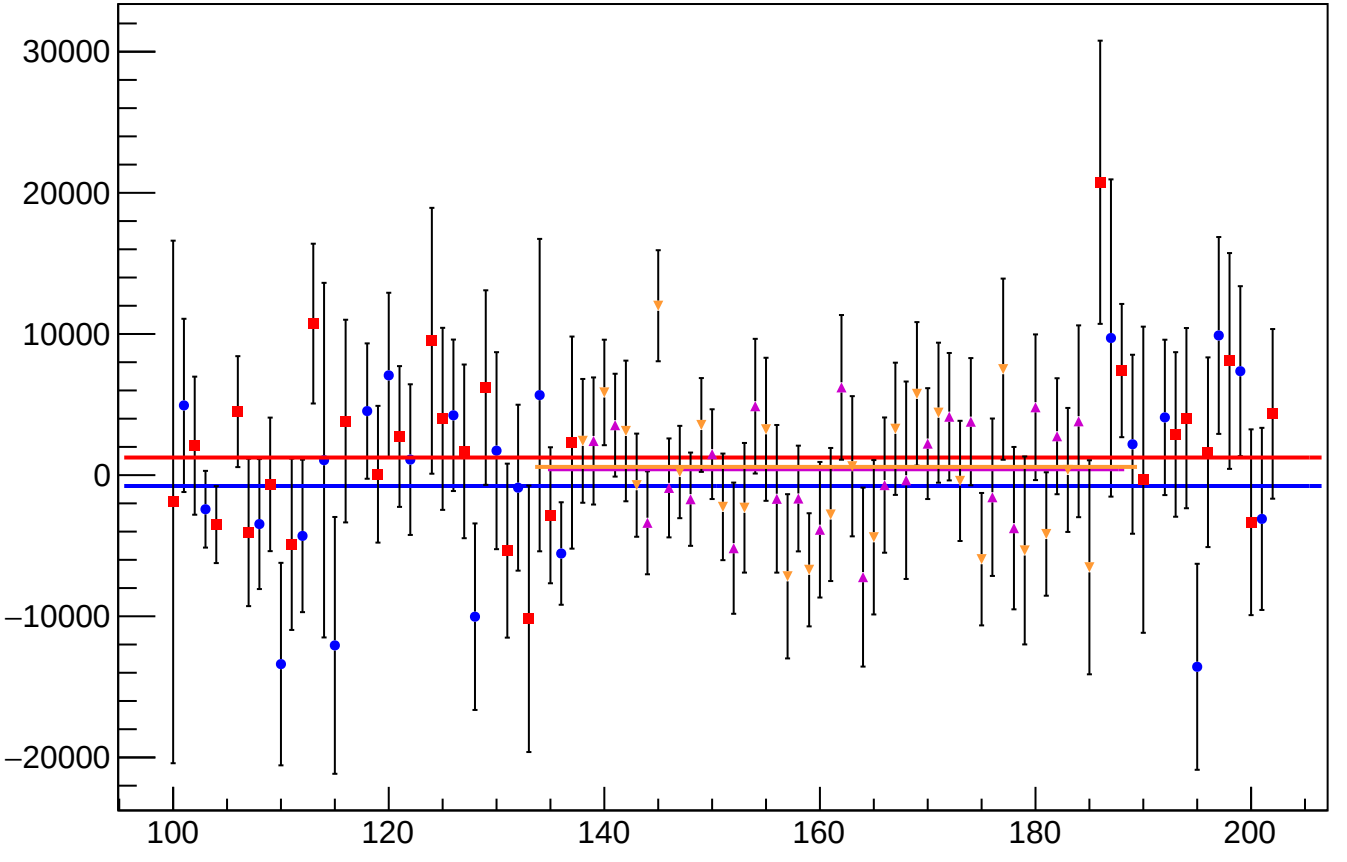
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3852.771+/-0.499 χ^2/NDF: 3036038.6/47

All: 3771.229+/-0.345 χ^2/NDF: 8088121.0/98

- sign 3696.384+/-0.478 χ^2/NDF: 5000799.0/50

asym_usr_atr2_dd_mean vs Slug



Right In: -769.458+/-1164.931 χ^2/NDF: 24.1/22

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1248.291+/-1069.377 χ^2/NDF: 21.2/27

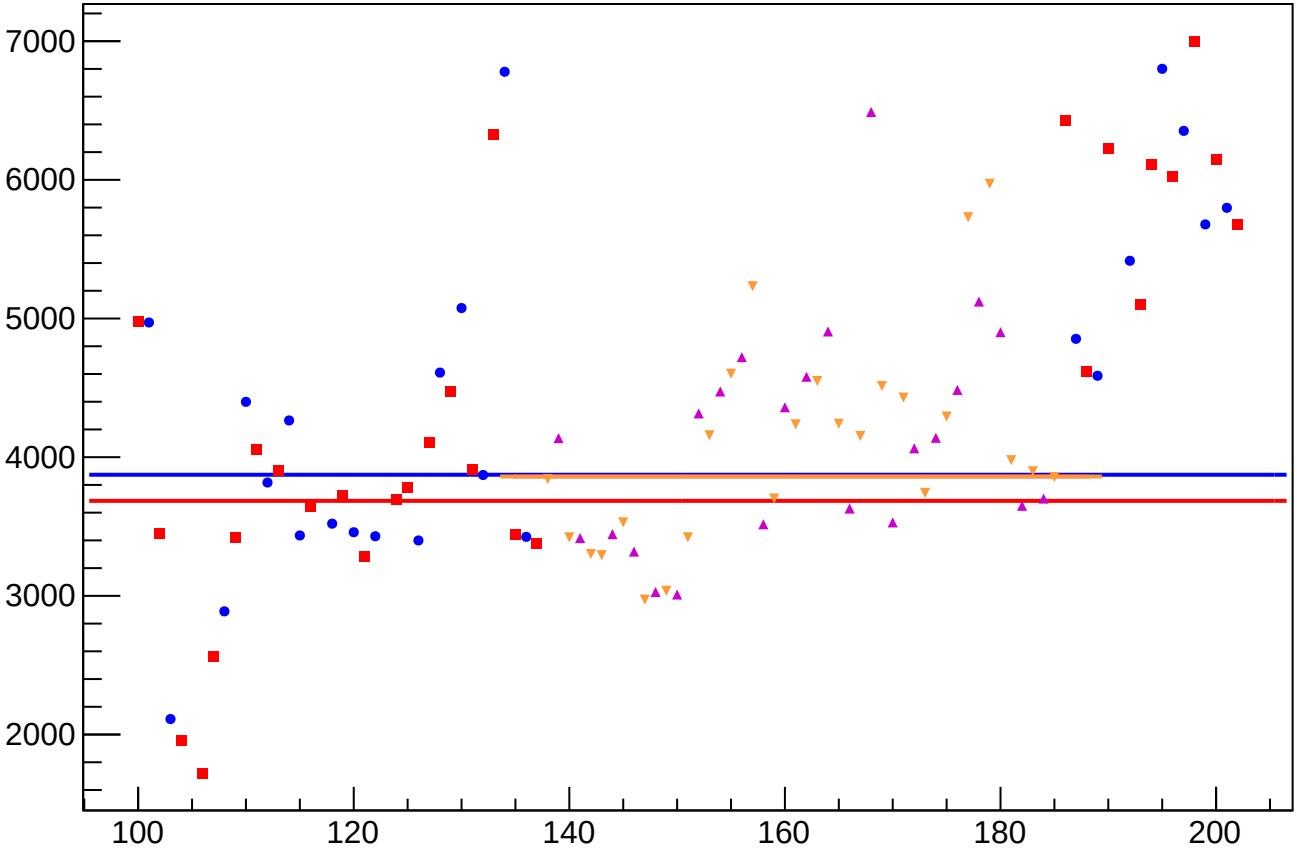
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 81.249+/-709.672 χ^2/NDF: 52.4/47

All: 431.847+/-497.269 χ^2/NDF: 86.9/98

- sign 770.024+/-696.989 χ^2/NDF: 34.1/50

asym_usr_atr2_dd_rms vs Slug



Right In: 3873.443+/-0.824 χ^2/NDF: 2446600.8/22

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

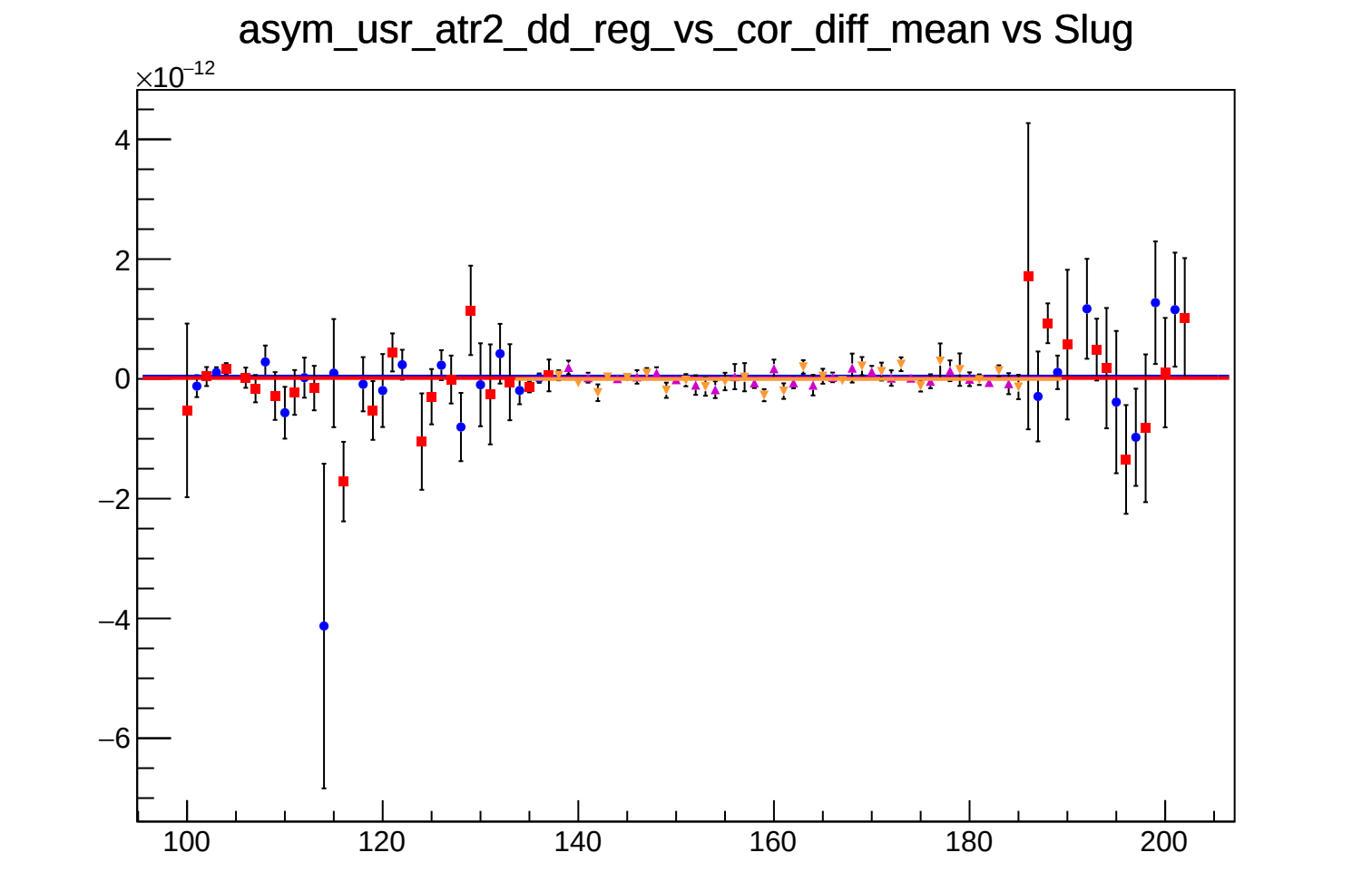
Right Out: 3685.086+/-0.746 χ^2/NDF: 3684466.6/27

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3865.326+/-0.502 χ^2/NDF: 3544047.8/47

All: 3824.687+/-0.351 χ^2/NDF: 8415586.7/98

- sign 3785.918+/-0.490 χ^2/NDF: 4858723.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

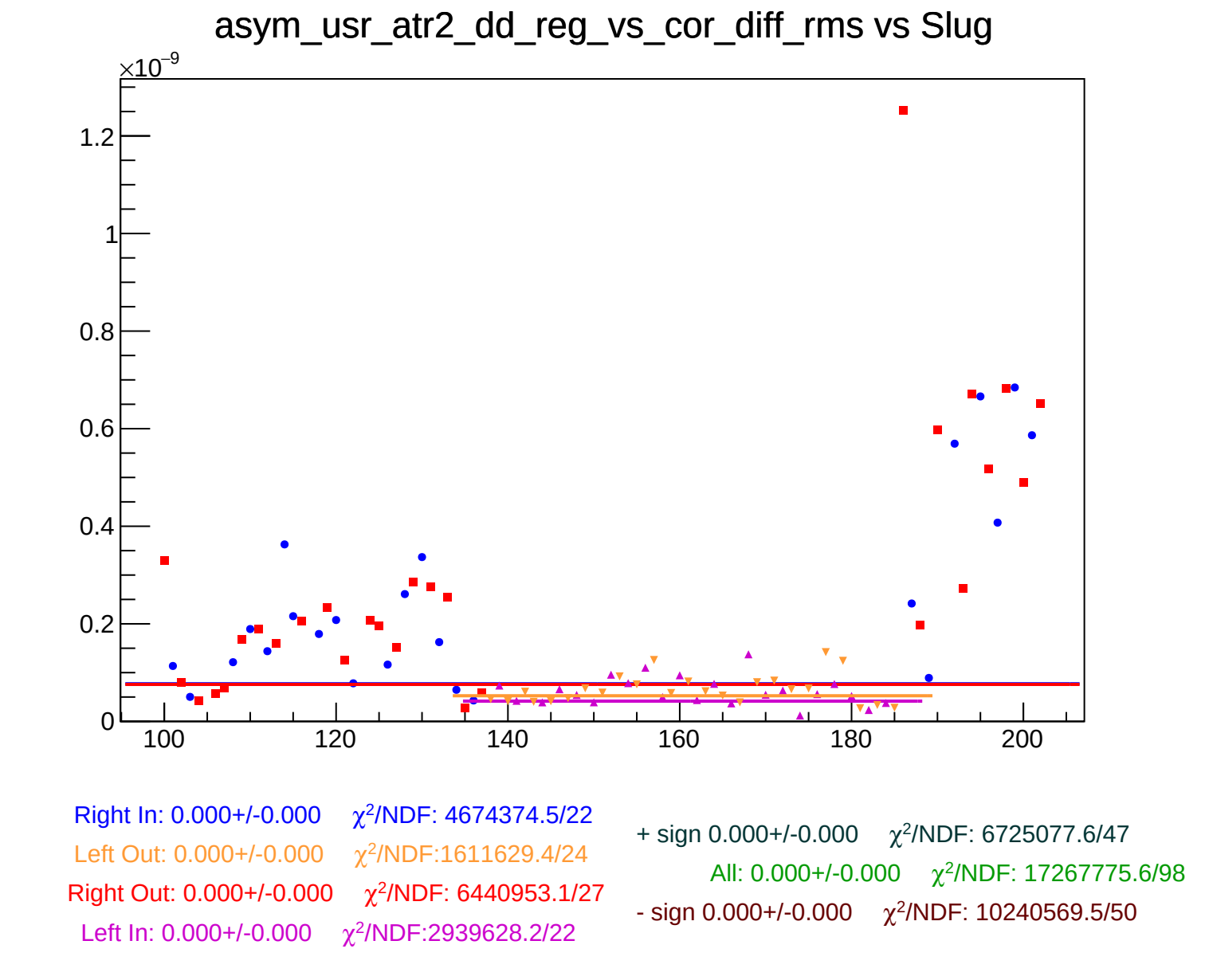
Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/27

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

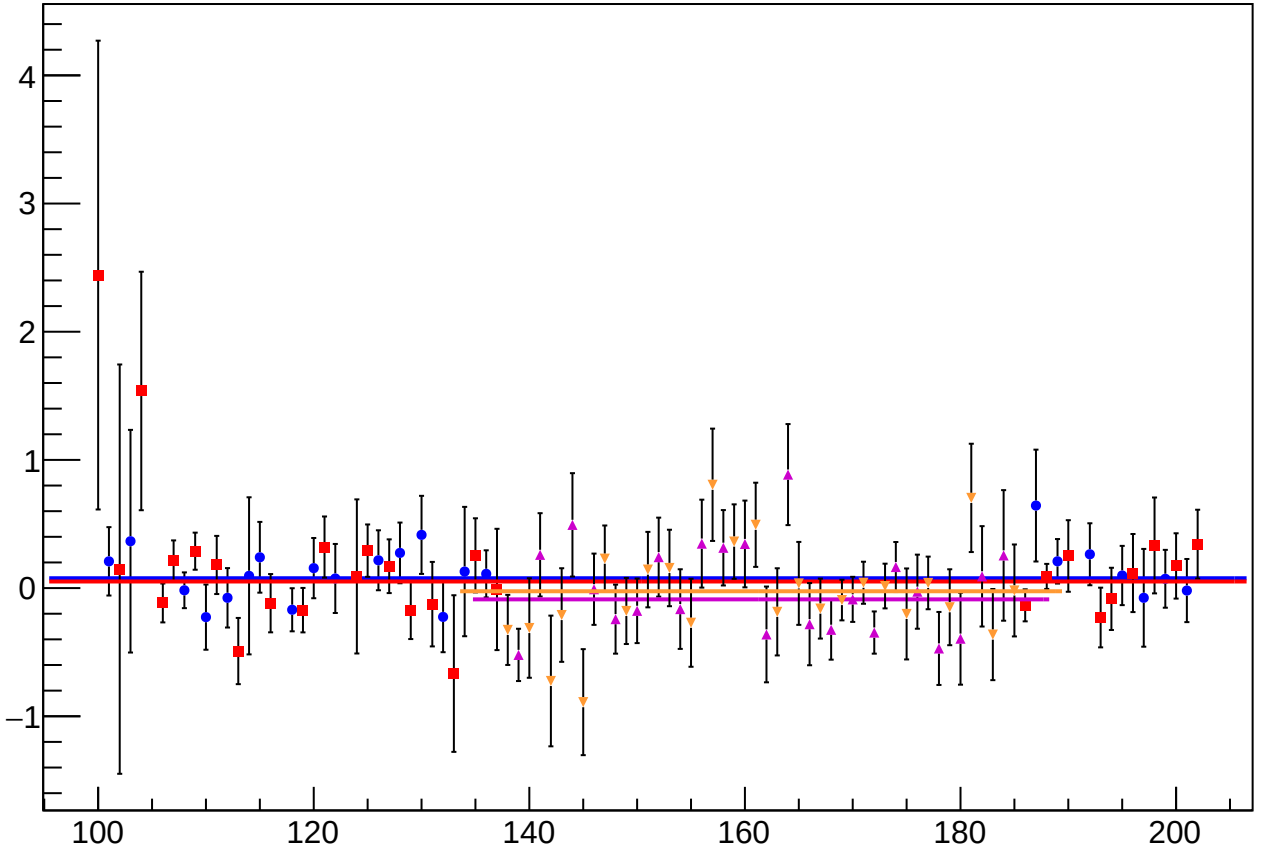
+ sign 0.000+/-0.000 χ^2/NDF: 53.3/47

All: 0.000+/-0.000 χ^2/NDF: 101.2/98

- sign 0.000+/-0.000 χ^2/NDF: 47.8/50


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4674374.5/22
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 6440953.1/27
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
+ sign 0.000+/-0.000 χ²/NDF: 6725077.6/47
All: 0.000+/-0.000 χ²/NDF: 17267775.6/98
- sign 0.000+/-0.000 χ²/NDF: 10240569.5/50

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.077+/-0.050 χ^2/NDF: 12.0/22

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.052+/-0.041 χ^2/NDF: 28.9/27

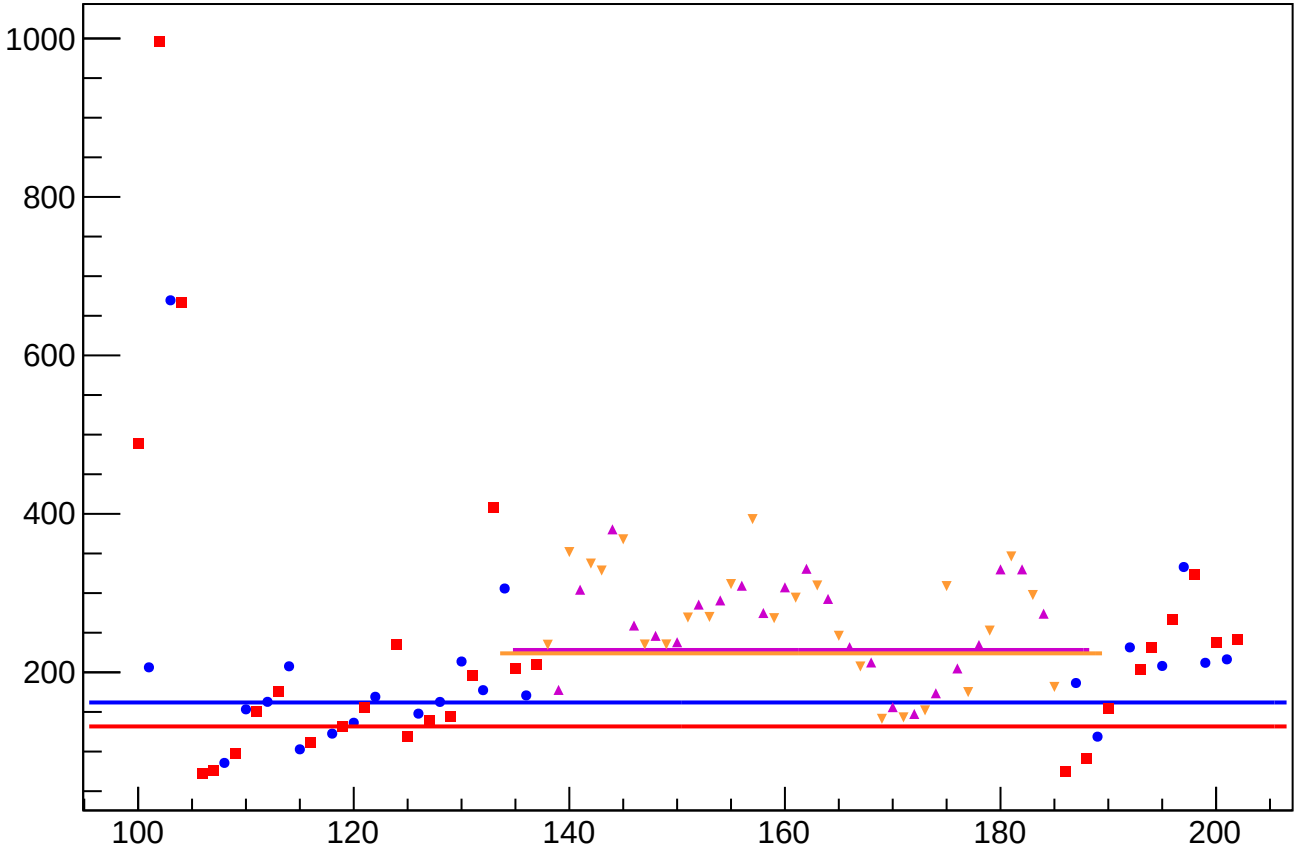
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.030+/-0.037 χ^2/NDF: 37.9/47

All: 0.016+/-0.025 χ^2/NDF: 101.2/98

- sign 0.004+/-0.033 χ^2/NDF: 62.9/50

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 161.951+/-0.036 χ^2/NDF: 2787097.1/22

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 131.706+/-0.029 χ^2/NDF: 5756373.3/27

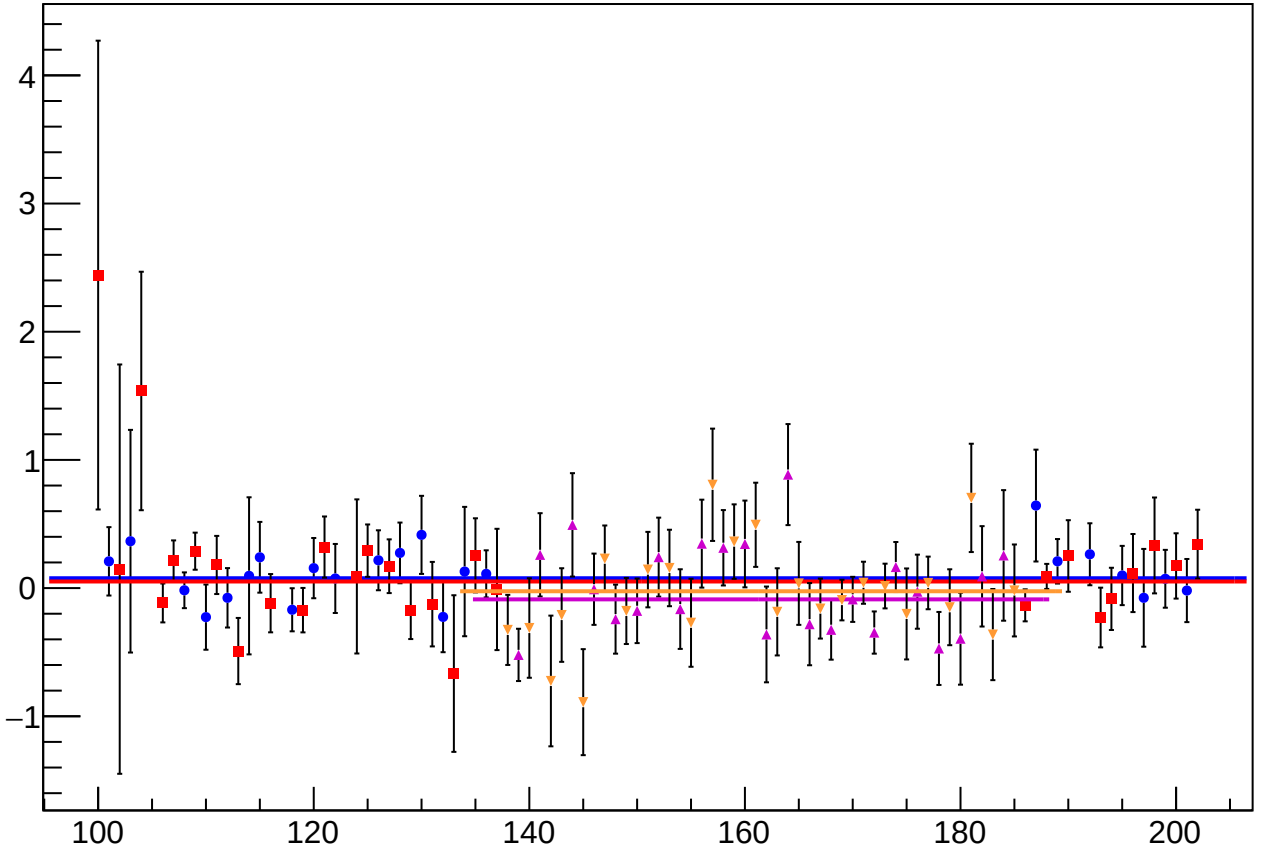
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 190.430+/-0.026 χ^2/NDF: 7619466.1/47

All: 176.167+/-0.017 χ^2/NDF: 20216065.7/98

- sign 164.727+/-0.023 χ^2/NDF: 12061218.9/50

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.077+/-0.050 χ^2/NDF: 12.0/22

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.052+/-0.041 χ^2/NDF: 28.9/27

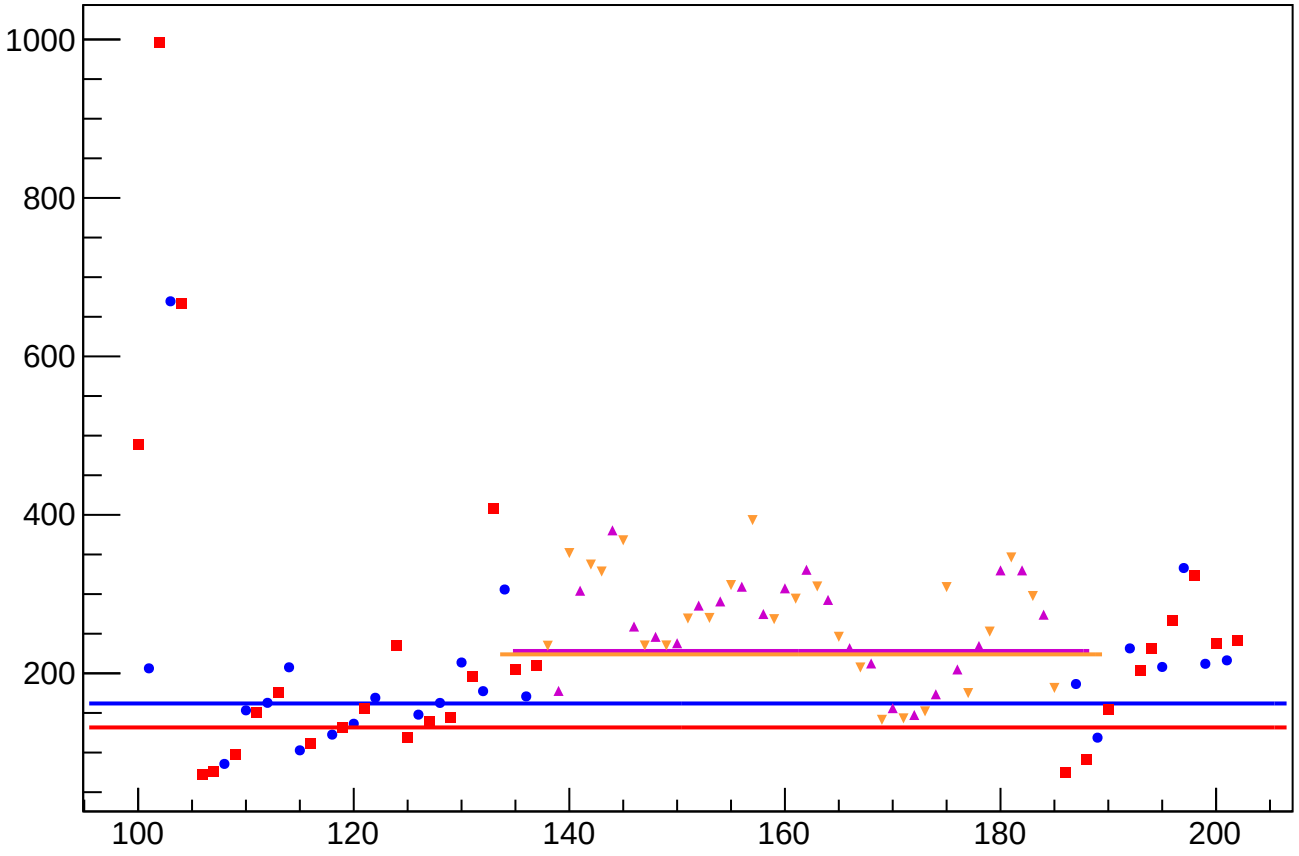
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.030+/-0.037 χ^2/NDF: 37.9/47

All: 0.016+/-0.025 χ^2/NDF: 101.2/98

- sign 0.004+/-0.033 χ^2/NDF: 62.9/50

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 161.951+/-0.036 χ^2/NDF: 2787097.1/22

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

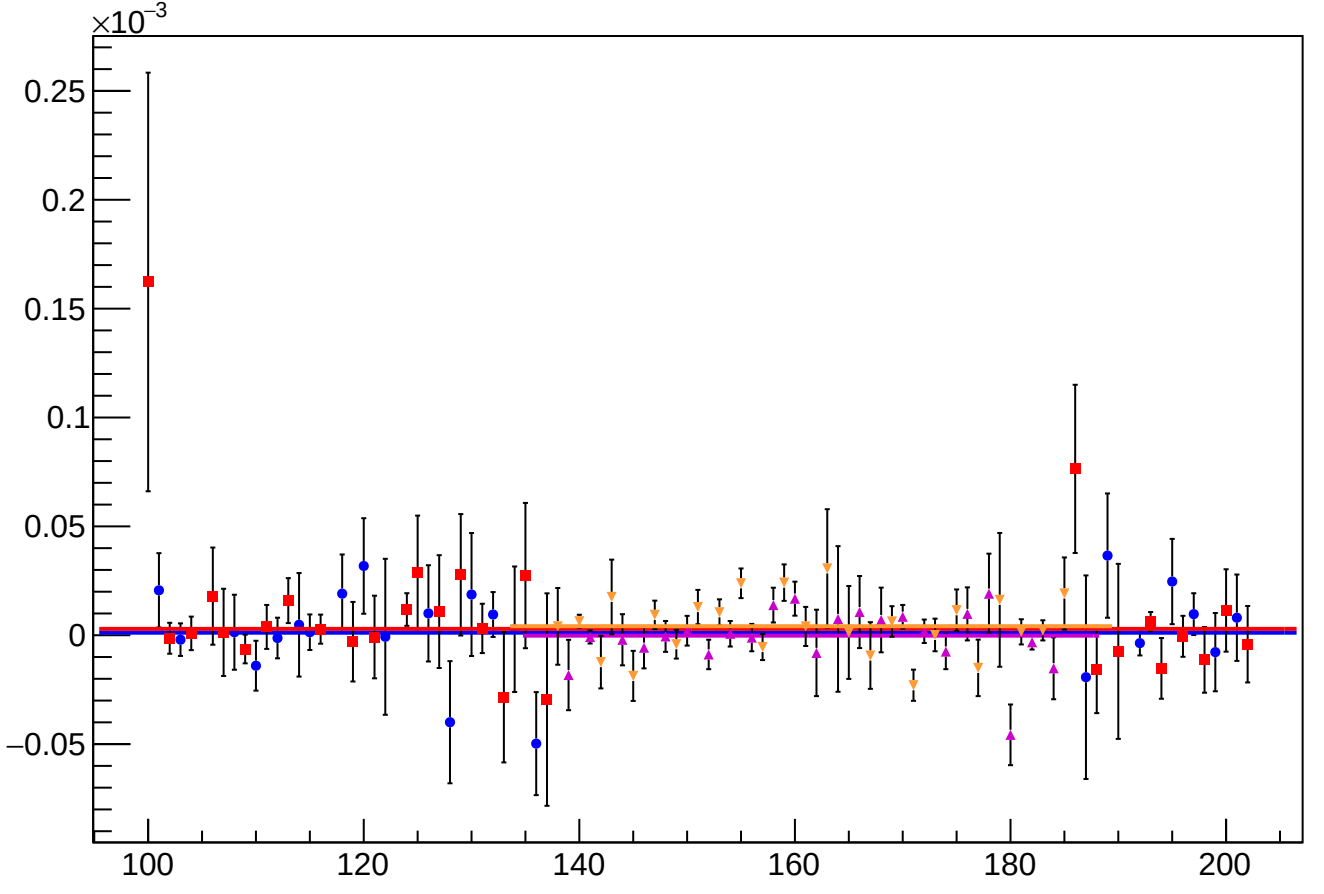
Right Out: 131.706+/-0.029 χ^2/NDF: 5756373.3/27

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 190.430+/-0.026 χ^2/NDF: 7619466.1/47

All: 176.167+/-0.017 χ^2/NDF: 20216065.7/98

- sign 164.727+/-0.023 χ^2/NDF: 12061218.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/27

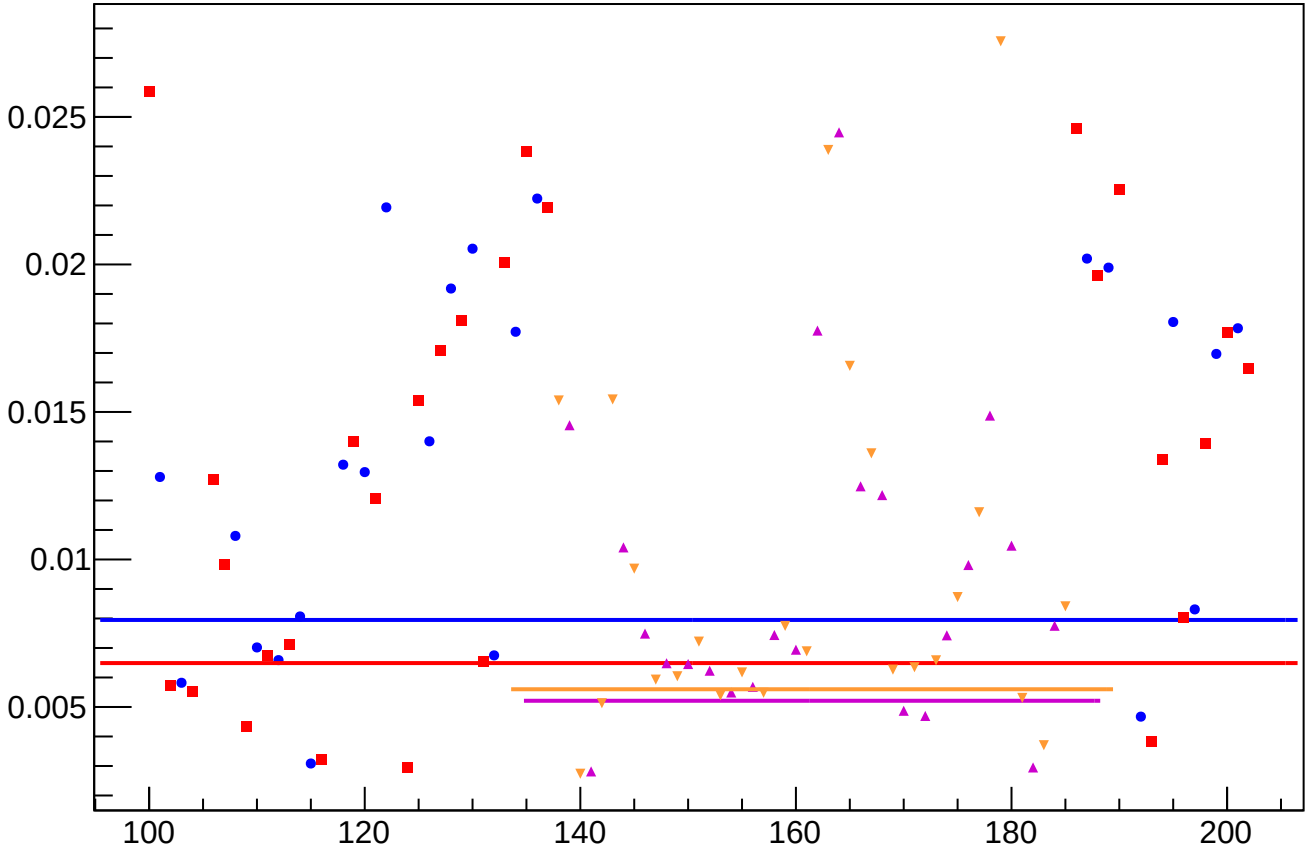
Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.1/47

All: 0.000+/-0.000 χ^2/NDF: 123.9/98

- sign 0.000+/-0.000 χ^2/NDF: 52.5/50

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 6269692.0/22

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

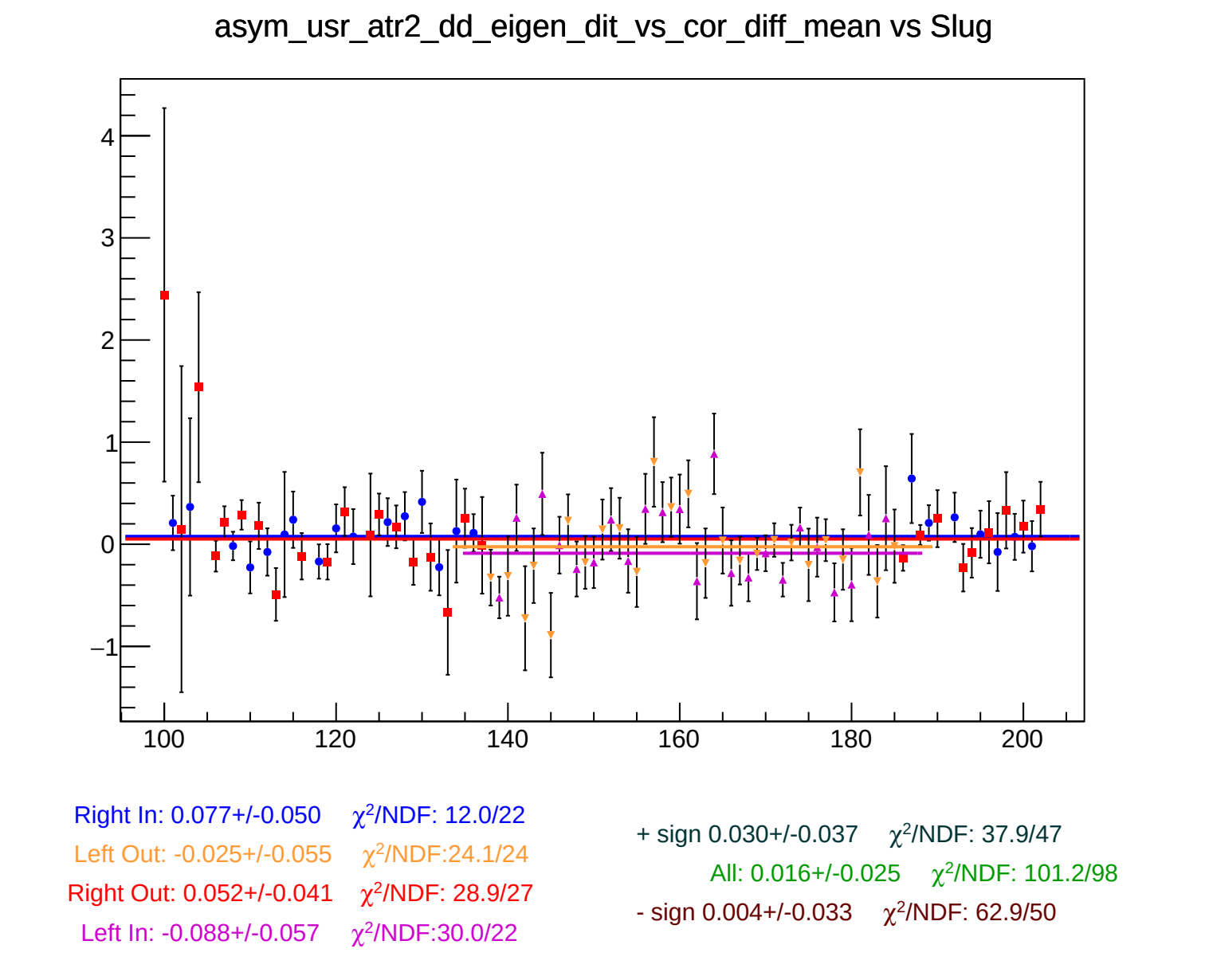
Right Out: 0.006+/-0.000 χ^2/NDF: 8794581.1/27

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

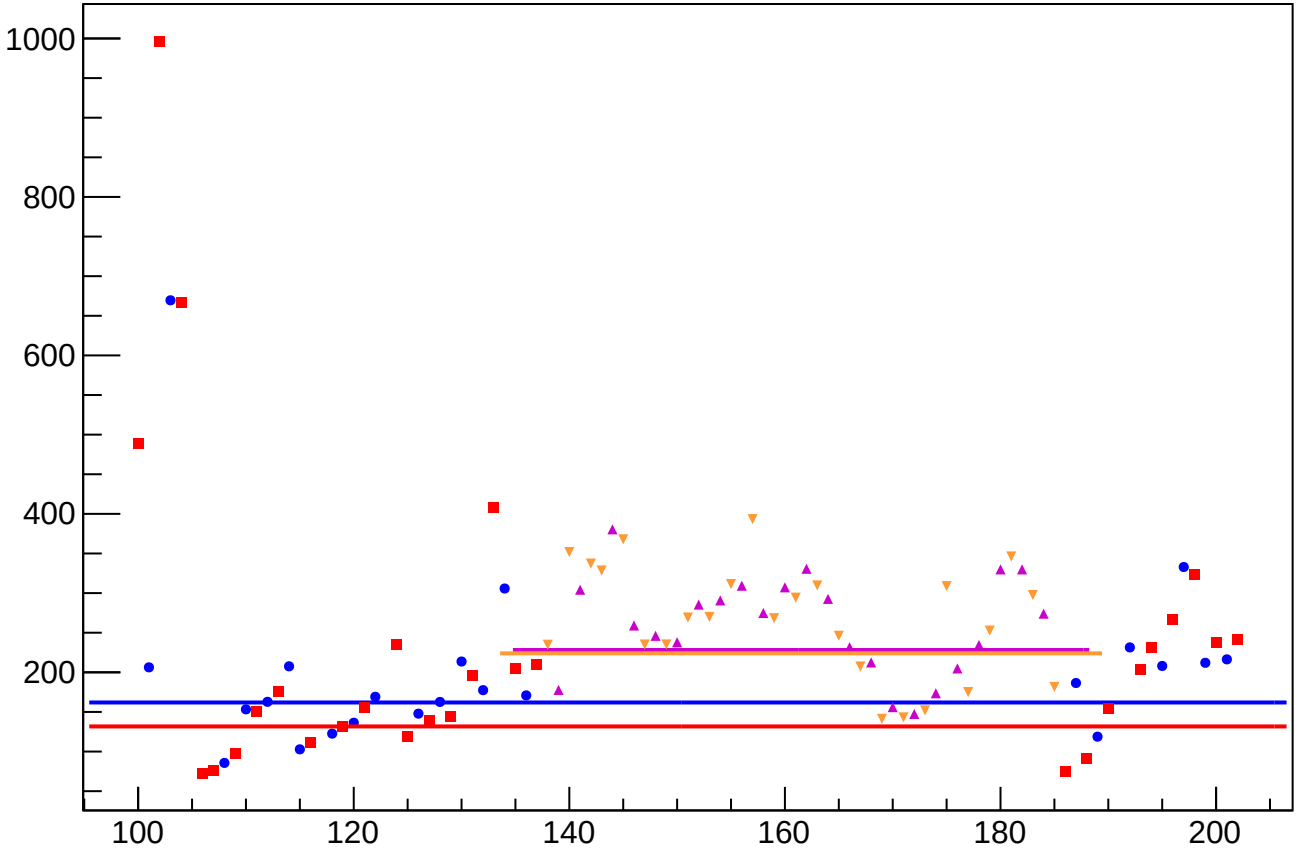
+ sign 0.006+/-0.000 χ^2/NDF: 15195540.8/47

All: 0.006+/-0.000 χ^2/NDF: 32128738.5/98

- sign 0.006+/-0.000 χ^2/NDF: 16759814.9/50


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.077+/-0.050 χ²/NDF: 12.0/22
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.052+/-0.041 χ²/NDF: 28.9/27
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.030+/-0.037 χ²/NDF: 37.9/47
All: 0.016+/-0.025 χ²/NDF: 101.2/98
- sign 0.004+/-0.033 χ²/NDF: 62.9/50

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 161.948+/-0.036 χ^2/NDF: 2787274.7/22

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

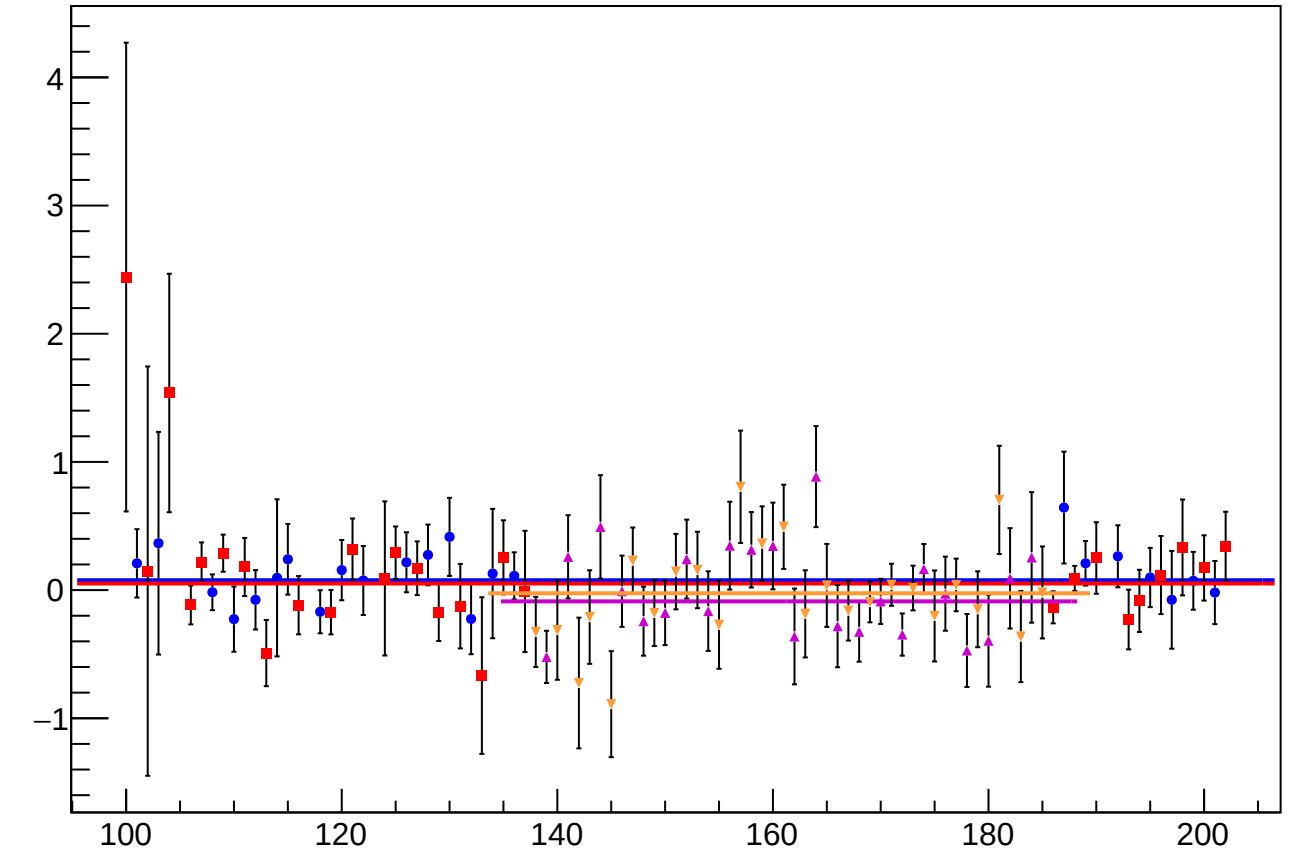
Right Out: 131.711+/-0.029 χ^2/NDF: 5755899.5/27

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 190.428+/-0.026 χ^2/NDF: 7619966.2/47

All: 176.169+/-0.017 χ^2/NDF: 20215487.4/98

- sign 164.731+/-0.023 χ^2/NDF: 12060418.8/50



Right In: 0.077+/-0.050 χ^2/NDF: 12.0/22

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

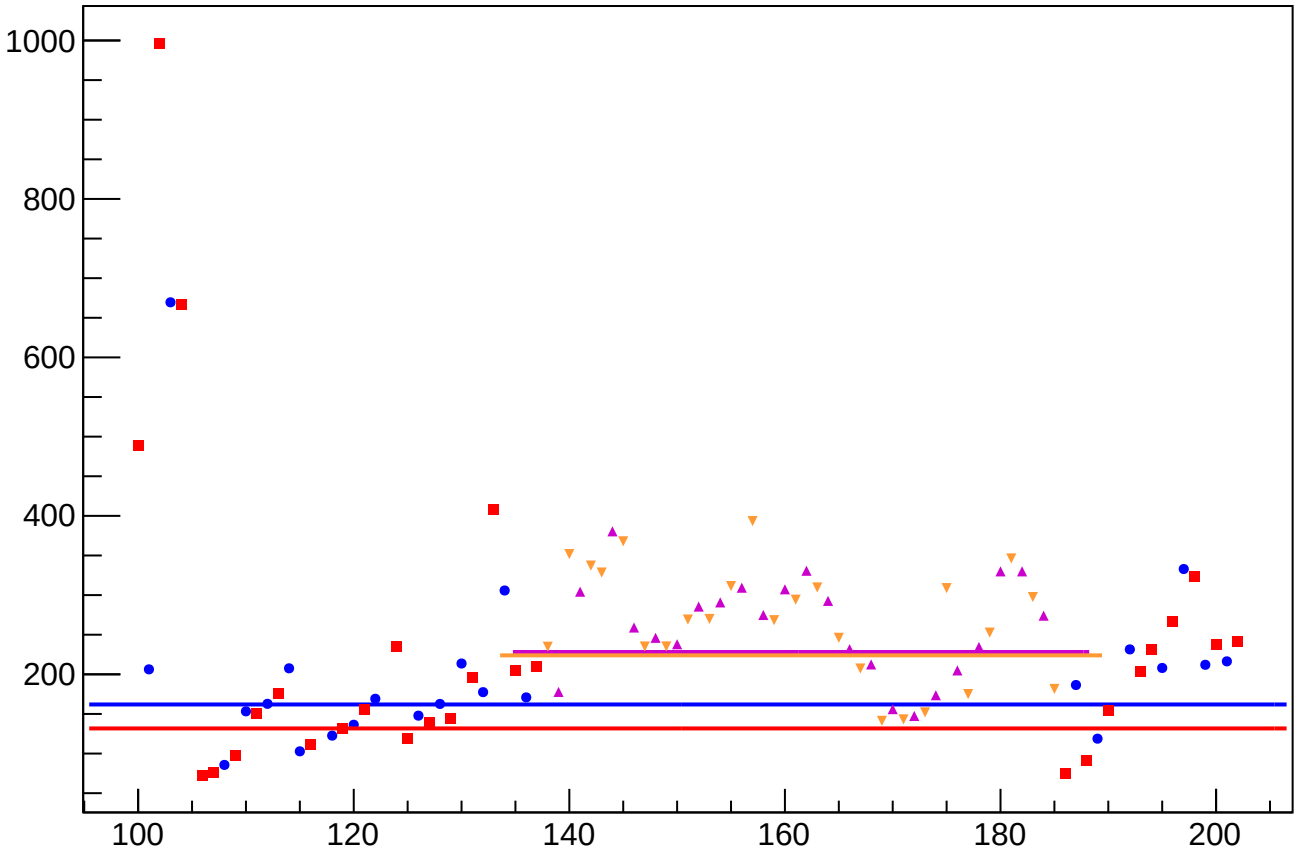
Right Out: 0.052+/-0.041 χ^2/NDF: 28.9/27

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.030+/-0.037 χ^2/NDF: 37.9/47

All: 0.016+/-0.025 χ^2/NDF: 101.2/98

- sign 0.004+/-0.033 χ^2/NDF: 62.9/50



Right In: 161.948+/-0.036 χ^2/NDF: 2787274.7/22

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

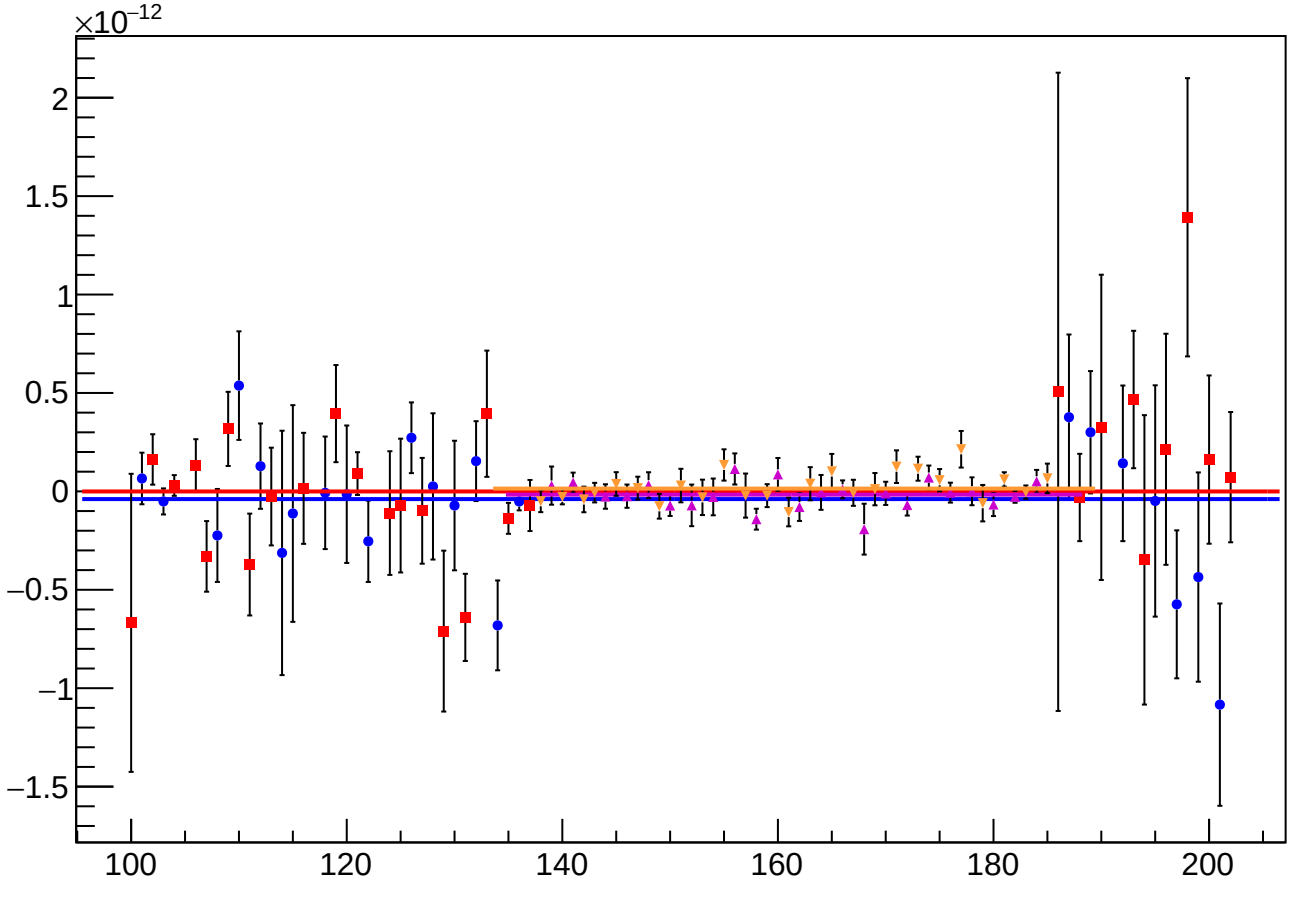
Right Out: 131.711+/-0.029 χ^2/NDF: 5755899.5/27

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 190.428+/-0.026 χ^2/NDF: 7619966.2/47

All: 176.169+/-0.017 χ^2/NDF: 20215487.4/98

- sign 164.731+/-0.023 χ^2/NDF: 12060418.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

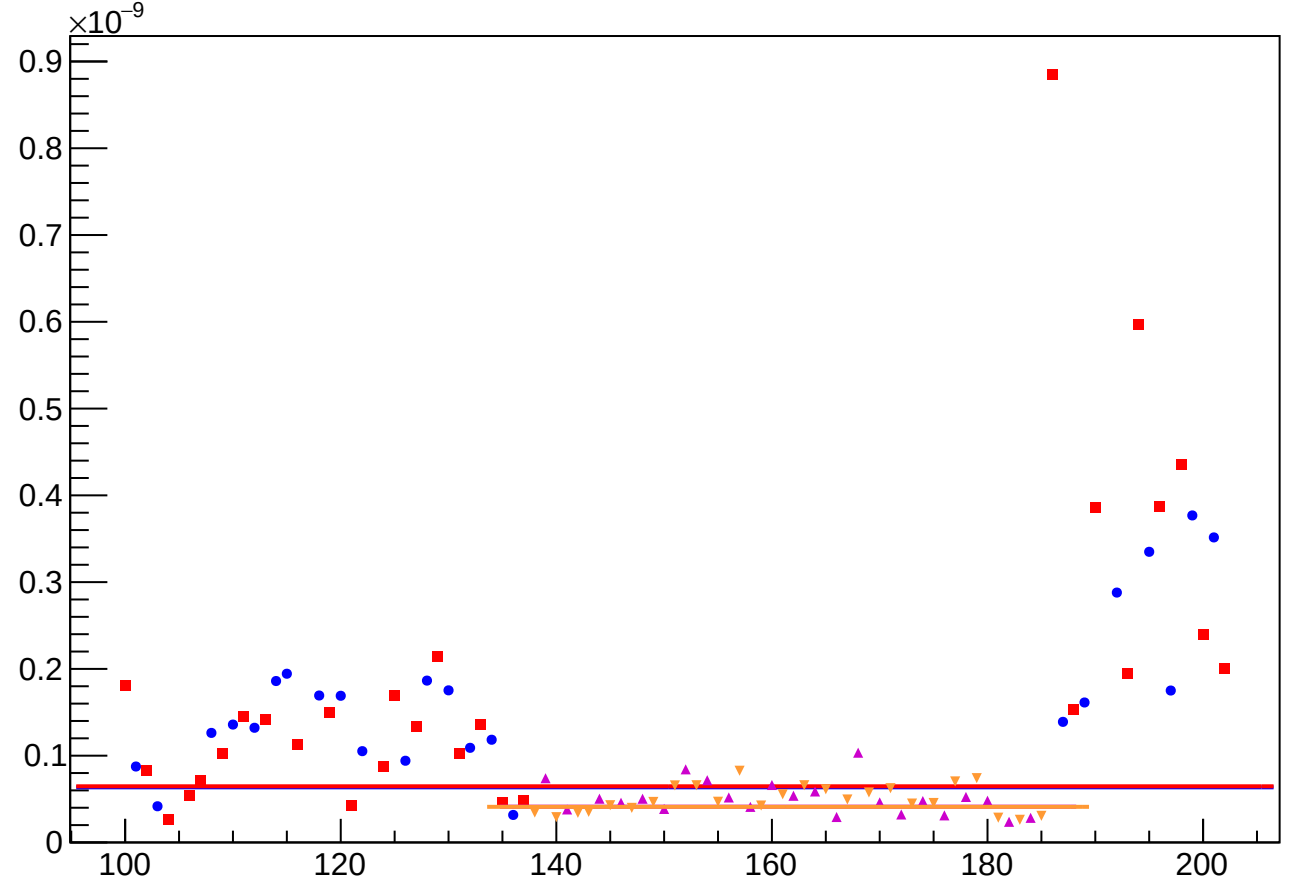
Right Out: -0.000+/-0.000 χ^2/NDF: 38.4/27

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.4/47

All: -0.000+/-0.000 χ^2/NDF: 118.6/98

- sign -0.000+/-0.000 χ^2/NDF: 60.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 6037403.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7208915.8/27

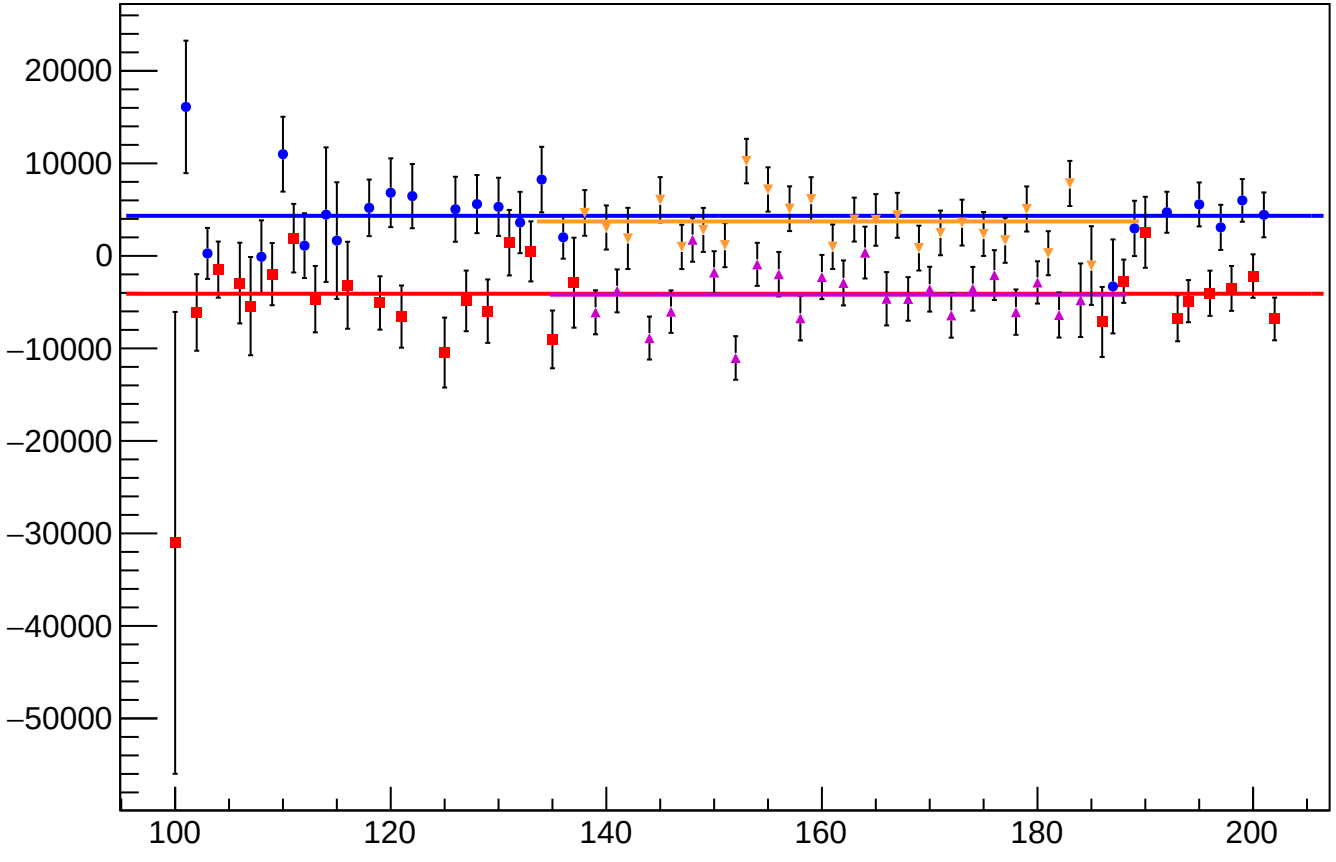
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9568199.9/47

All: 0.000+/-0.000 χ^2/NDF: 20612118.5/98

- sign 0.000+/-0.000 χ^2/NDF: 11042174.3/50

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4331.076+/-650.430 χ^2/NDF: 16.9/22

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -4092.191+/-608.810 χ^2/NDF: 23.5/26

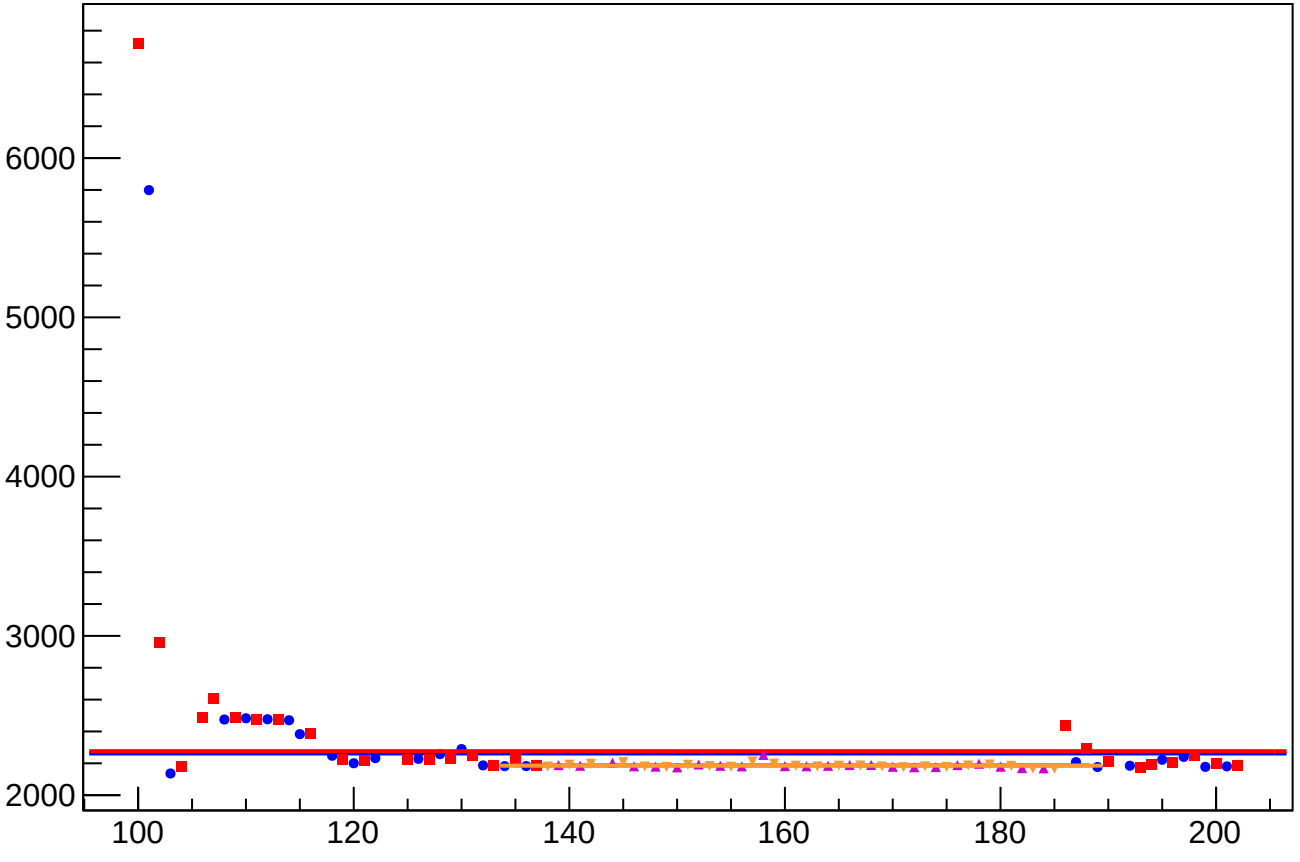
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3953.214+/-399.947 χ^2/NDF: 42.9/46

All: -189.427+/-279.666 χ^2/NDF: 308.5/96

- sign -4153.102+/-391.212 χ^2/NDF: 55.7/49

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2261.743+/-0.460 χ^2/NDF: 529192.7/22

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

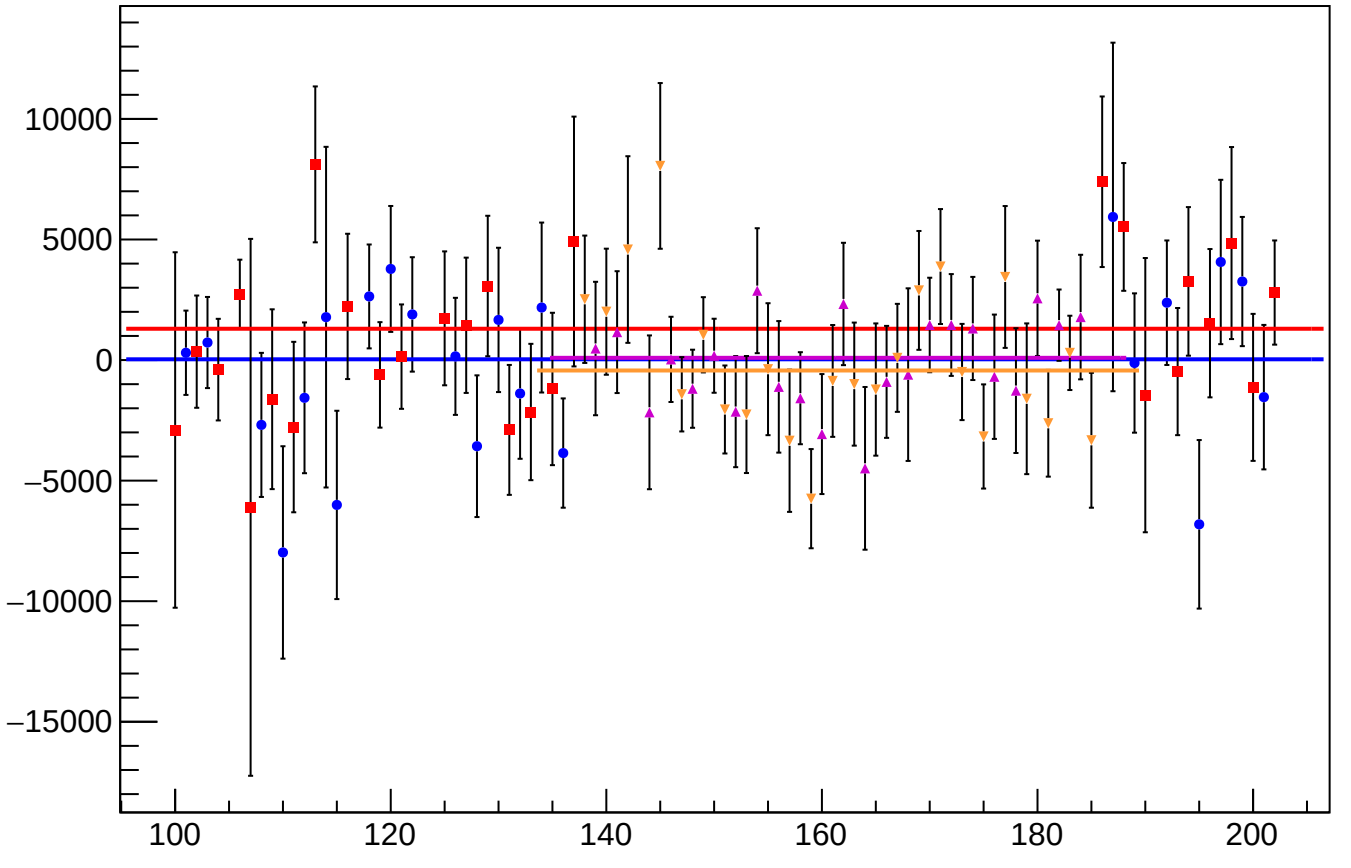
Right Out: 2276.248+/-0.430 χ^2/NDF: 176435.6/26

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2214.099+/-0.283 χ^2/NDF: 547263.0/46

All: 2219.007+/-0.198 χ^2/NDF: 751728.8/96

- sign 2223.702+/-0.277 χ^2/NDF: 203876.5/49



Right In: 31.652+/-575.912 χ^2/NDF: 25.0/22

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

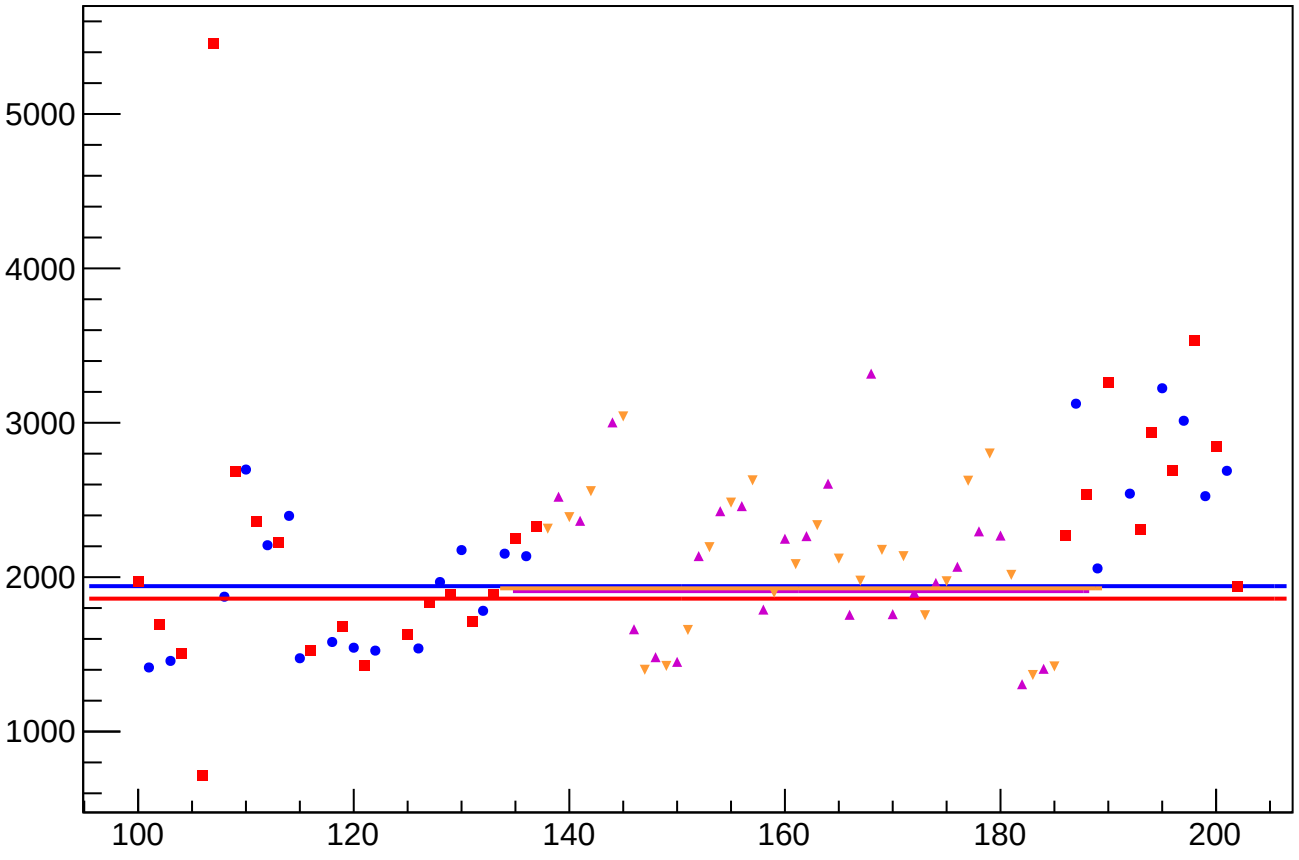
Right Out: 1298.671+/-536.516 χ^2/NDF: 24.1/26

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -250.445+/-360.555 χ^2/NDF: 56.7/46

All: 190.302+/-250.954 χ^2/NDF: 99.3/96

- sign 604.456+/-349.509 χ^2/NDF: 39.8/49



Right In: 1941.751+/-0.407 χ^2/NDF: 1535381.5/22

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1860.931+/-0.379 χ^2/NDF: 3200597.1/26

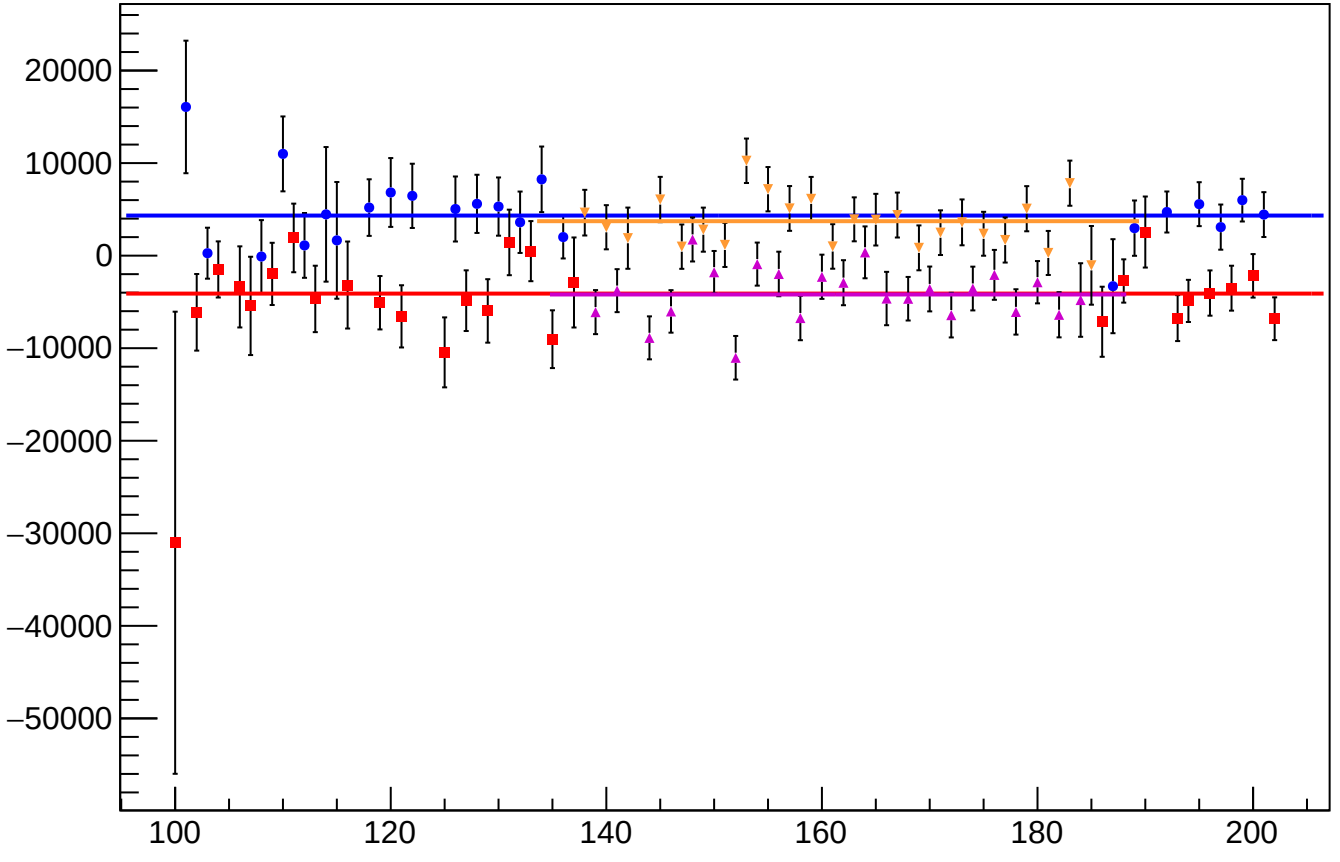
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1933.183+/-0.255 χ^2/NDF: 3334492.5/46

All: 1910.380+/-0.177 χ^2/NDF: 8502349.2/96

- sign 1888.953+/-0.247 χ^2/NDF: 5152340.2/49

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4330.818+/-650.430 χ^2/NDF: 16.9/22

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4101.068+/-608.861 χ^2/NDF: 23.5/26

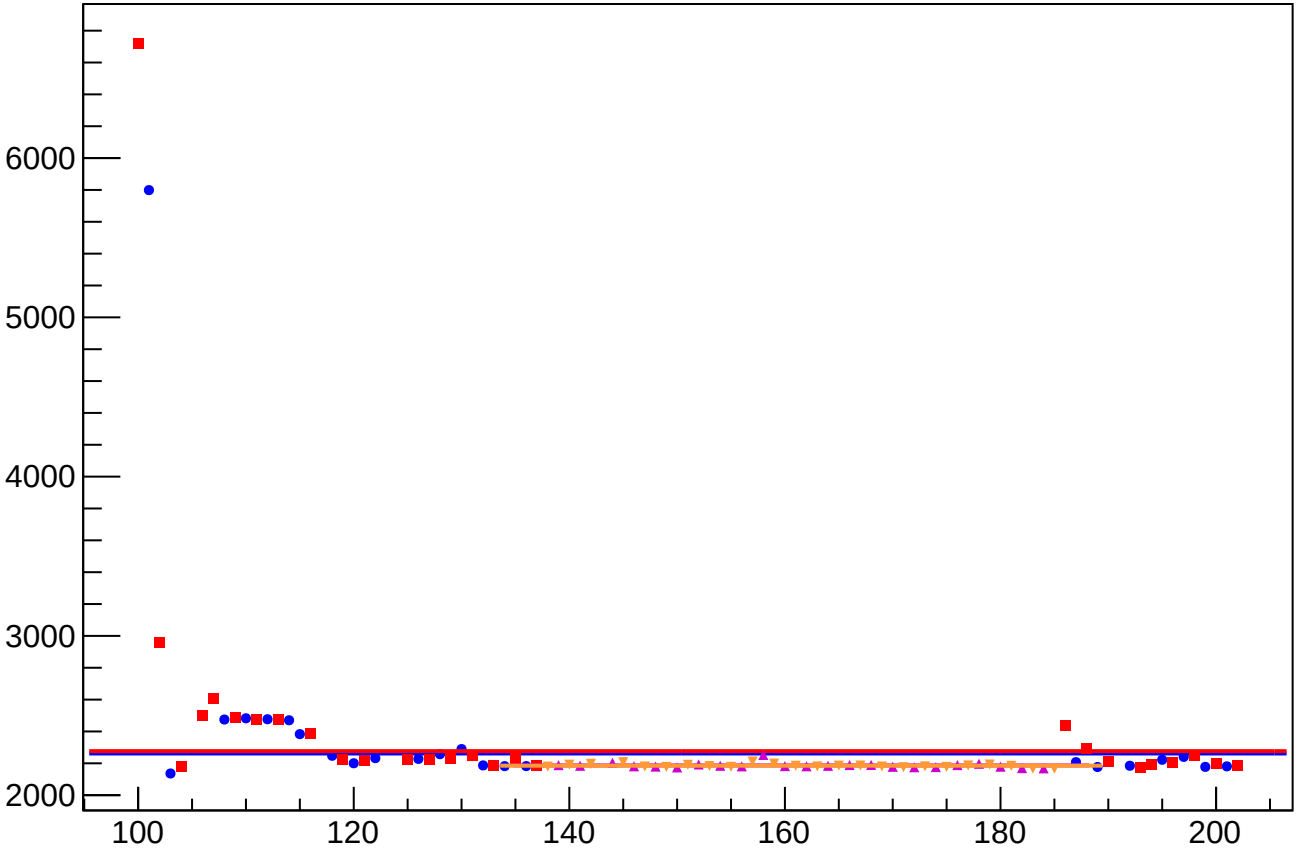
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3953.083+/-399.947 χ^2/NDF: 42.9/46

All: -191.261+/-279.671 χ^2/NDF: 308.6/96

- sign -4156.840+/-391.226 χ^2/NDF: 55.6/49

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2261.743+/-0.460 χ^2/NDF: 529193.1/22

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

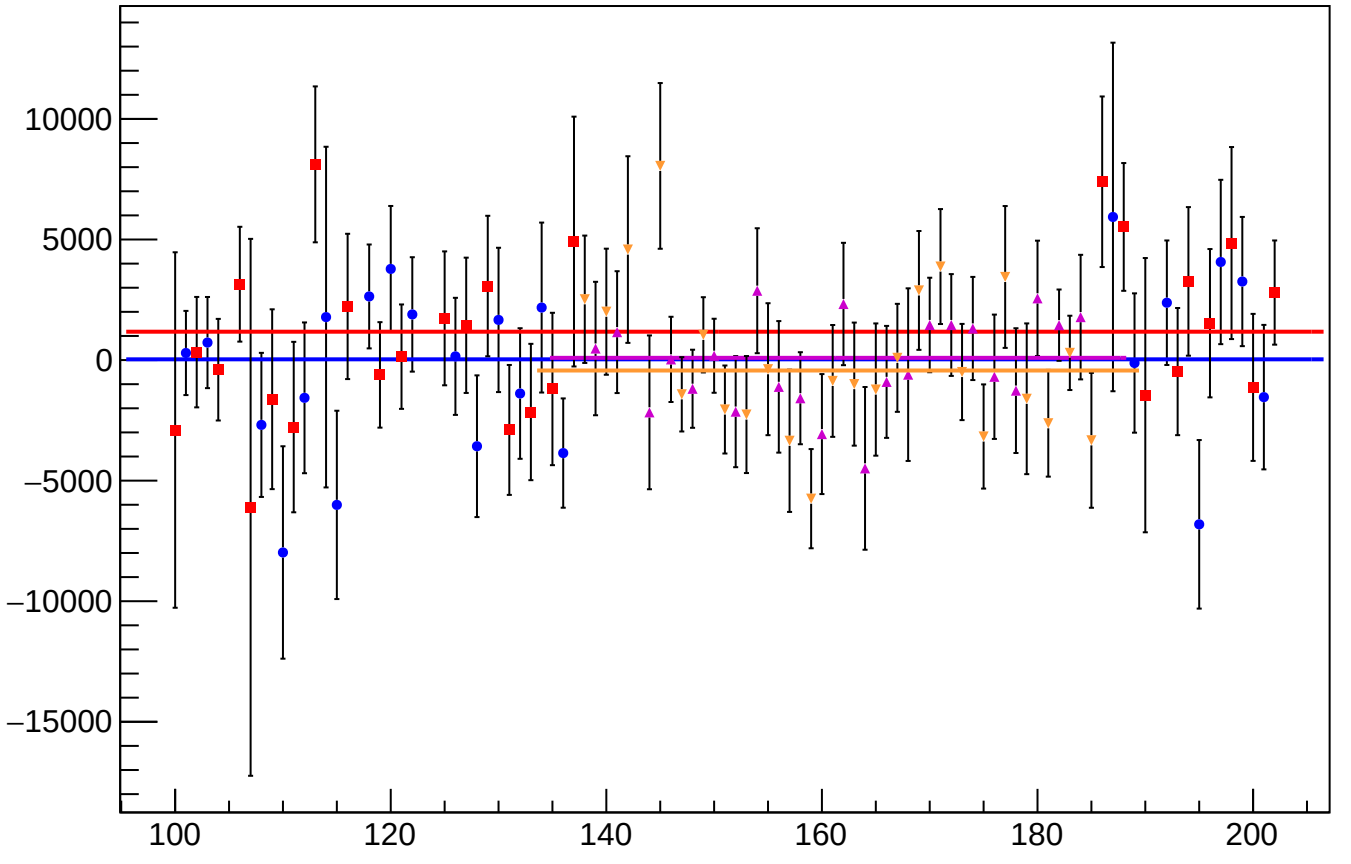
Right Out: 2276.419+/-0.431 χ^2/NDF: 176884.2/26

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2214.099+/-0.283 χ^2/NDF: 547263.4/46

All: 2219.041+/-0.198 χ^2/NDF: 752280.7/96

- sign 2223.770+/-0.277 χ^2/NDF: 204419.8/49



Right In: 30.839+/-575.826 χ^2/NDF: 25.0/22

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

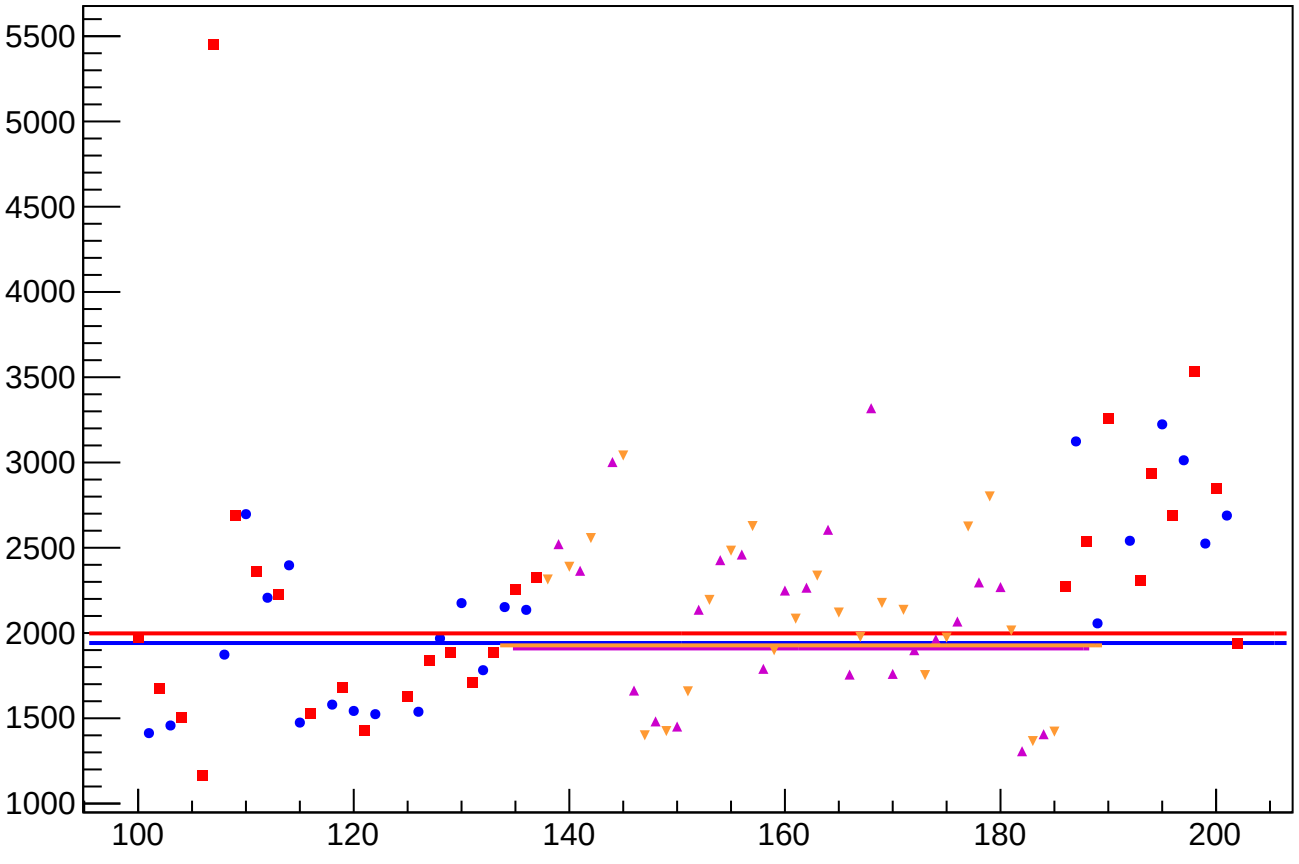
Right Out: 1176.571+/-561.897 χ^2/NDF: 23.6/26

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -250.752+/-360.534 χ^2/NDF: 56.7/46

All: 143.444+/-253.407 χ^2/NDF: 97.7/96

- sign 528.324+/-356.248 χ^2/NDF: 38.6/49



Right In: 1941.390+/-0.407 χ^2/NDF: 1537212.6/22

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

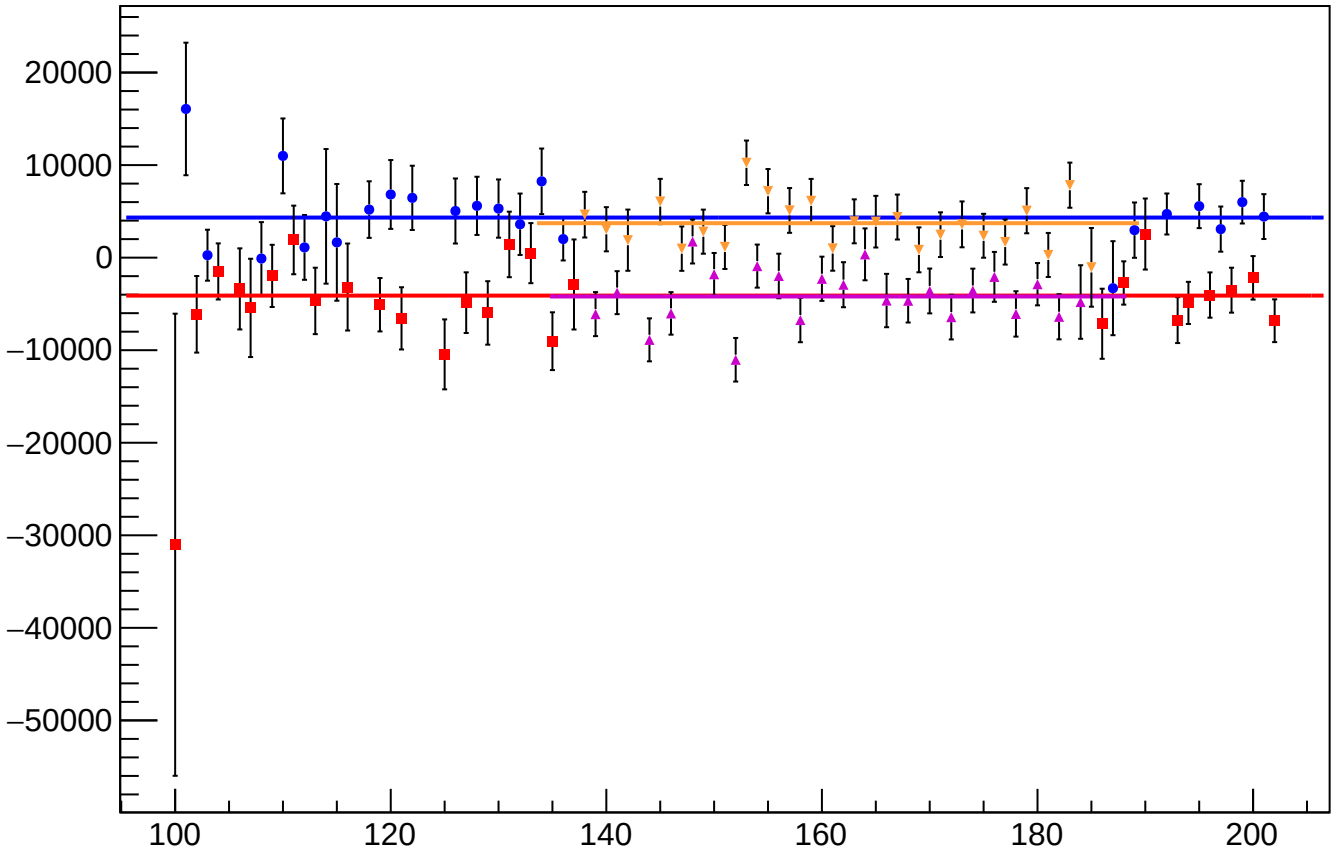
Right Out: 1997.890+/-0.397 χ^2/NDF: 1969189.2/26

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1933.042+/-0.255 χ^2/NDF: 3336311.2/46

All: 1939.143+/-0.179 χ^2/NDF: 7278437.4/96

- sign 1945.100+/-0.252 χ^2/NDF: 3940994.2/49



Right In: 4330.818+/-650.430 χ^2/NDF: 16.9/22

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

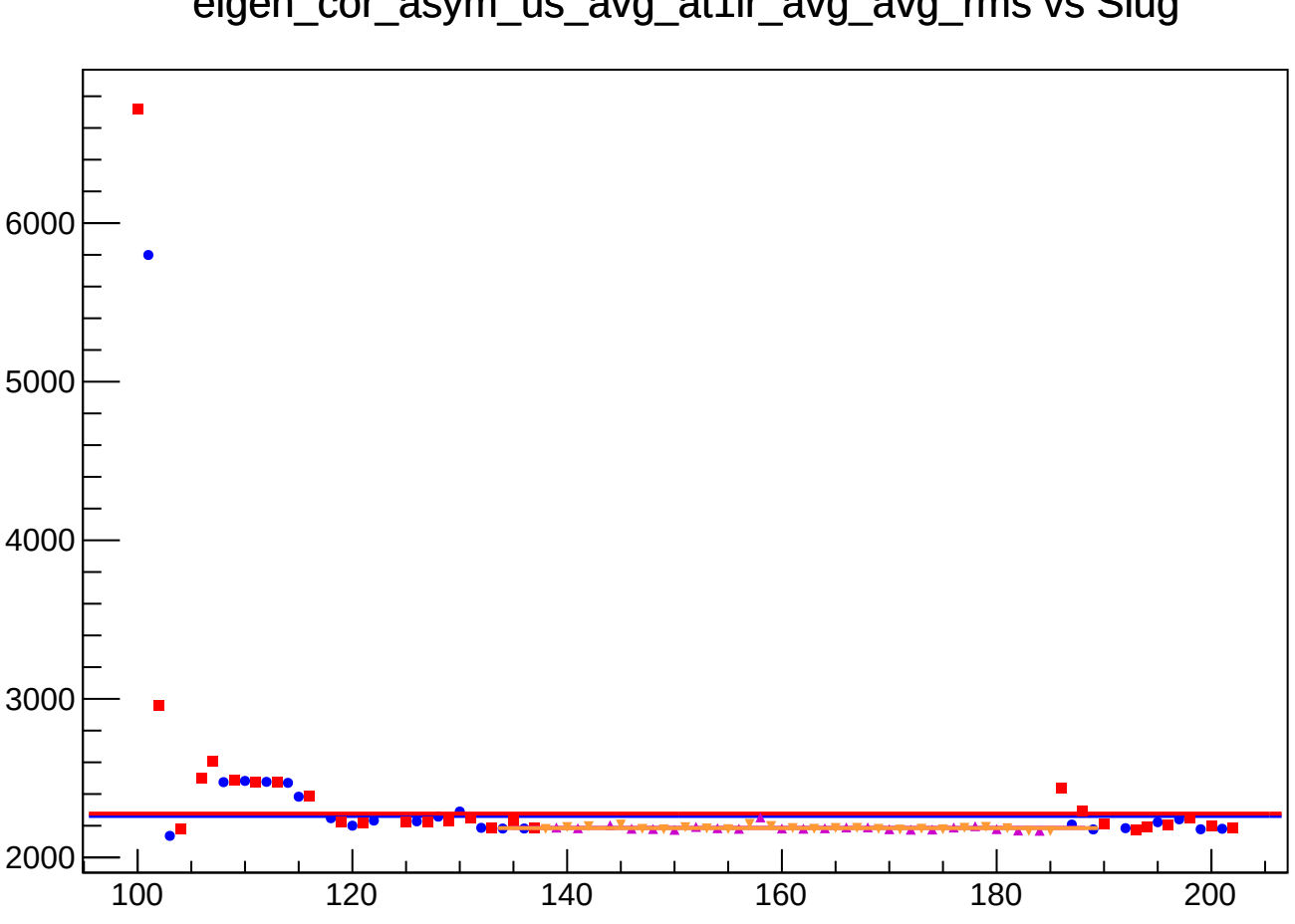
Right Out: -4101.068+/-608.861 χ^2/NDF: 23.5/26

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

\+ sign 3953.083+/-399.947 χ^2/NDF: 42.9/46

All: -191.261+/-279.671 χ^2/NDF: 308.6/96

\- sign -4156.840+/-391.226 χ^2/NDF: 55.6/49



Right In: 2261.743+/-0.460 χ^2/NDF: 529193.1/22

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

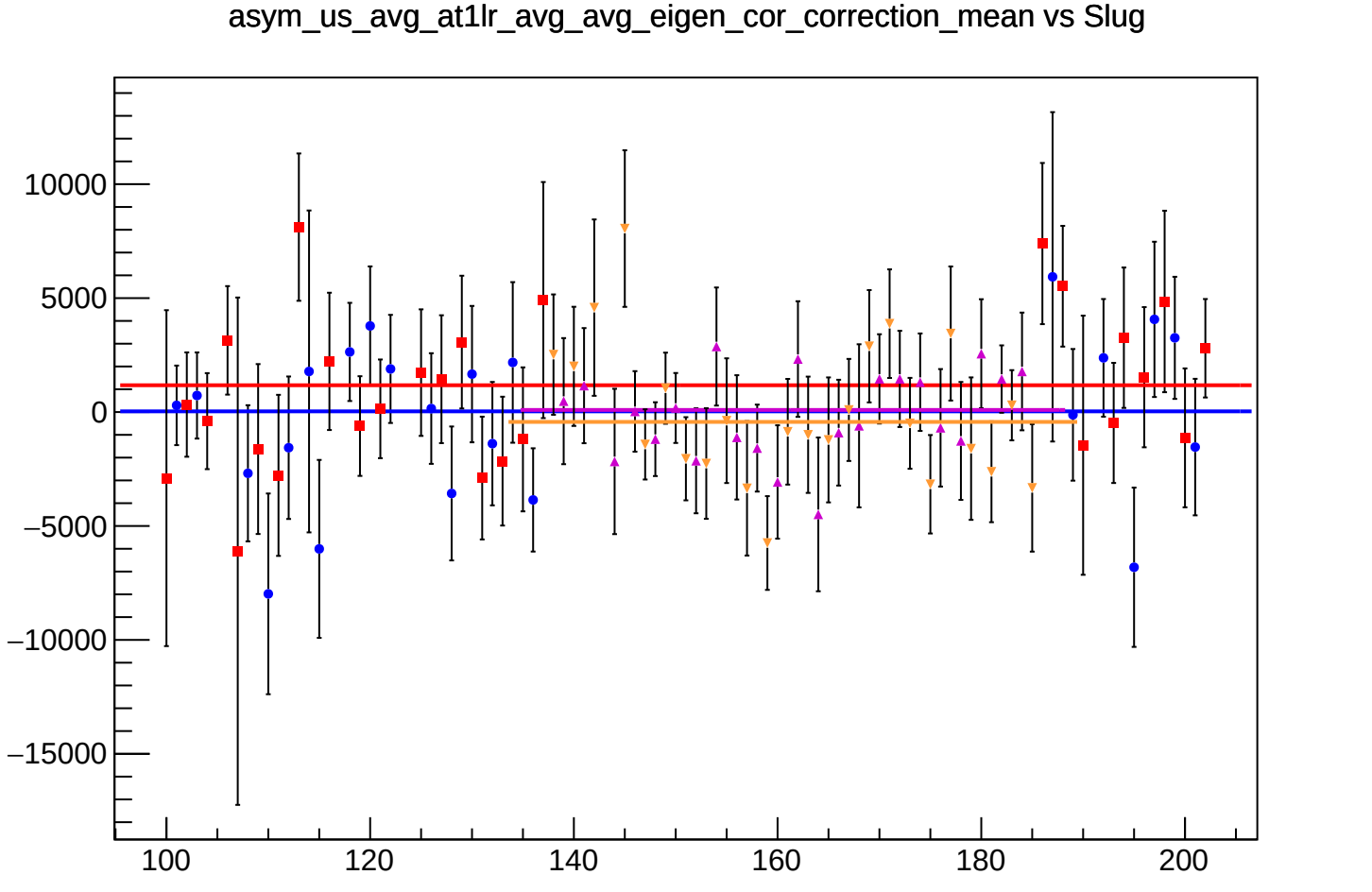
Right Out: 2276.419+/-0.431 χ^2/NDF: 176884.2/26

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2214.099+/-0.283 χ^2/NDF: 547263.4/46

All: 2219.041+/-0.198 χ^2/NDF: 752280.7/96

- sign 2223.770+/-0.277 χ^2/NDF: 204419.8/49



Right In: 30.839+/-575.826 χ^2/NDF: 25.0/22

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

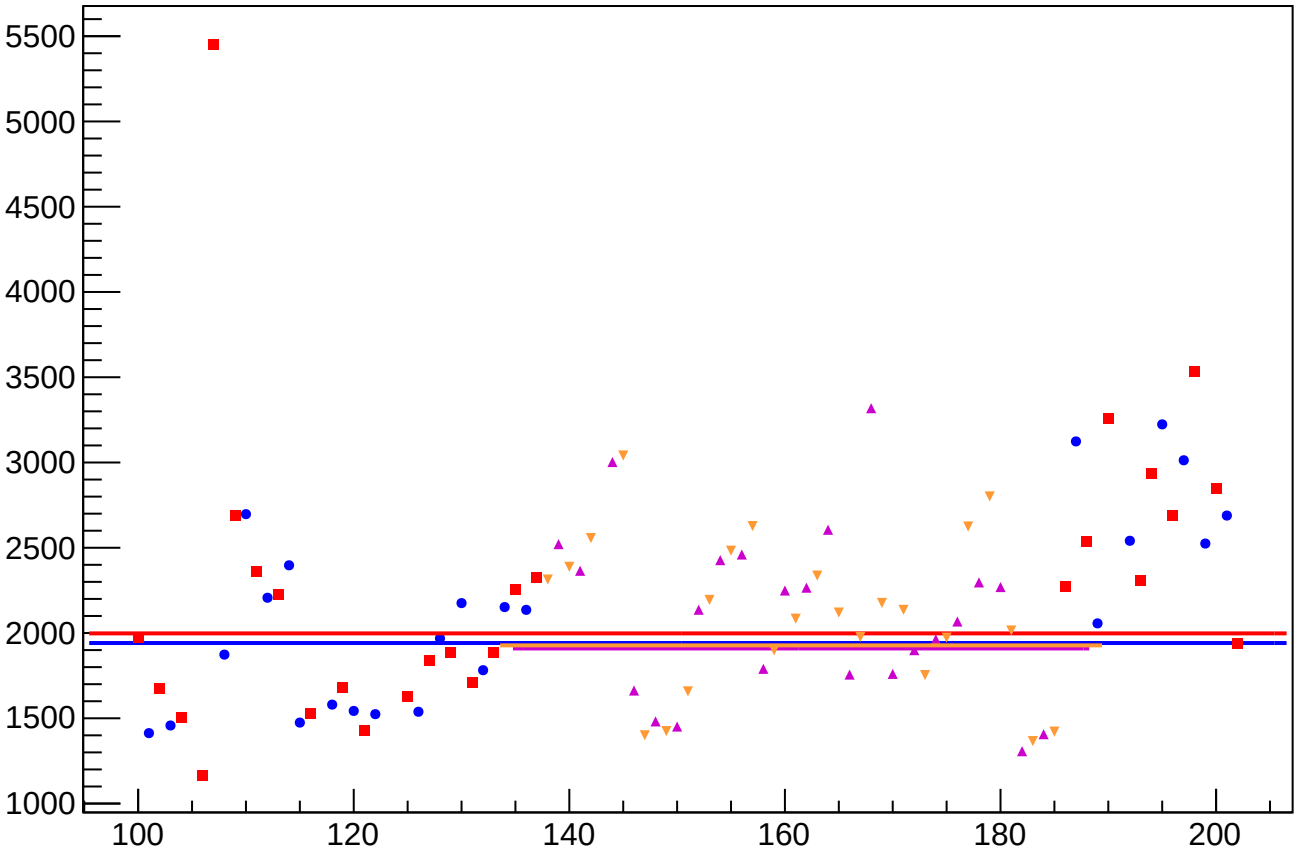
Right Out: 1176.571+/-561.897 χ^2/NDF: 23.6/26

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -250.752+/-360.534 χ^2/NDF: 56.7/46

All: 143.444+/-253.407 χ^2/NDF: 97.7/96

- sign 528.324+/-356.248 χ^2/NDF: 38.6/49



Right In: 1941.390+/-0.407 χ^2/NDF: 1537212.6/22

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1997.890+/-0.397 χ^2/NDF: 1969189.2/26

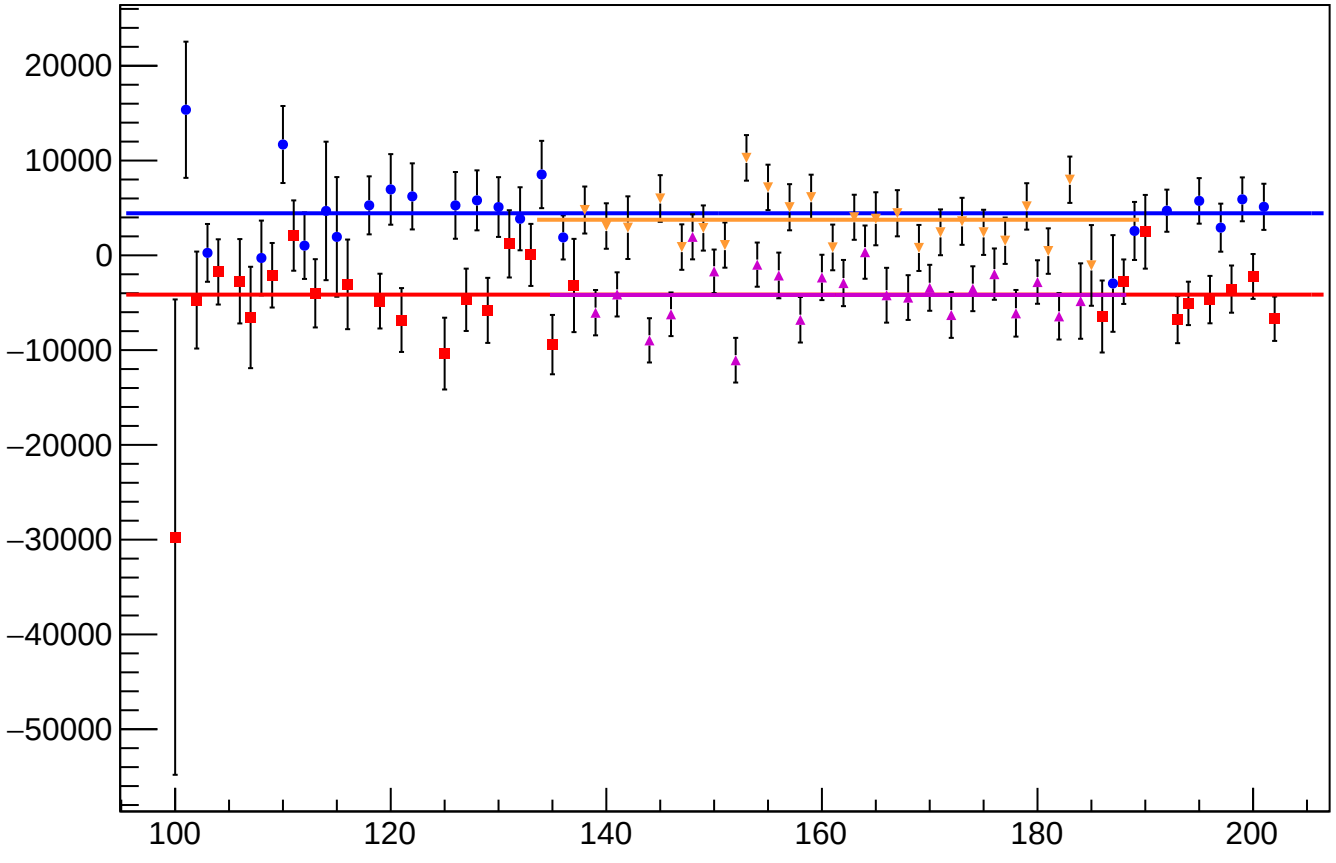
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1933.042+/-0.255 χ^2/NDF: 3336311.2/46

All: 1939.143+/-0.179 χ^2/NDF: 7278437.4/96

- sign 1945.100+/-0.252 χ^2/NDF: 3940994.2/49

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4437.426+/-658.627 χ^2/NDF: 17.2/22

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4146.465+/-618.631 χ^2/NDF: 22.4/26

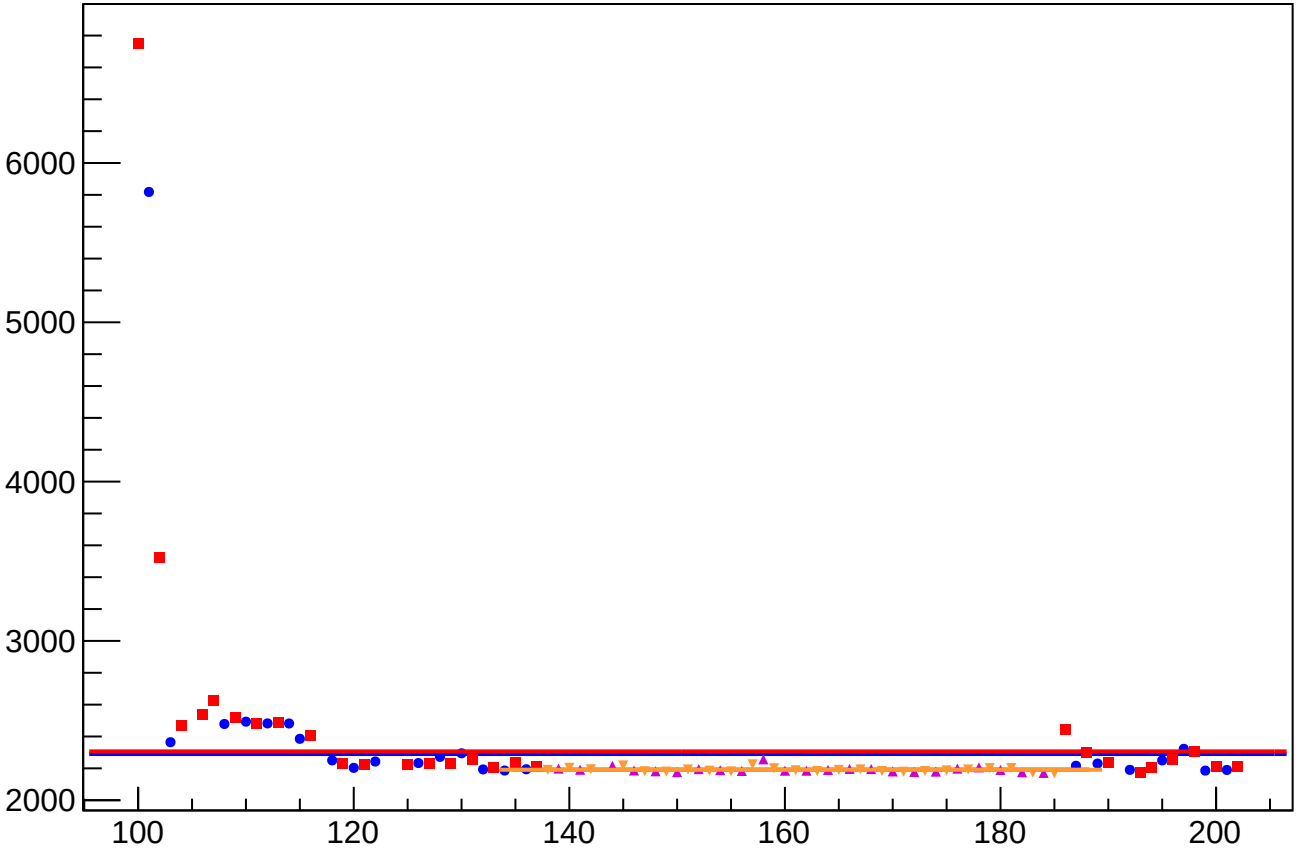
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4009.319+/-402.532 χ^2/NDF: 43.5/46

All: -163.529+/-281.703 χ^2/NDF: 309.2/96

- sign -4168.873+/-394.370 χ^2/NDF: 55.0/49

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2289.947+/-0.466 χ^2/NDF: 523476.3/22

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

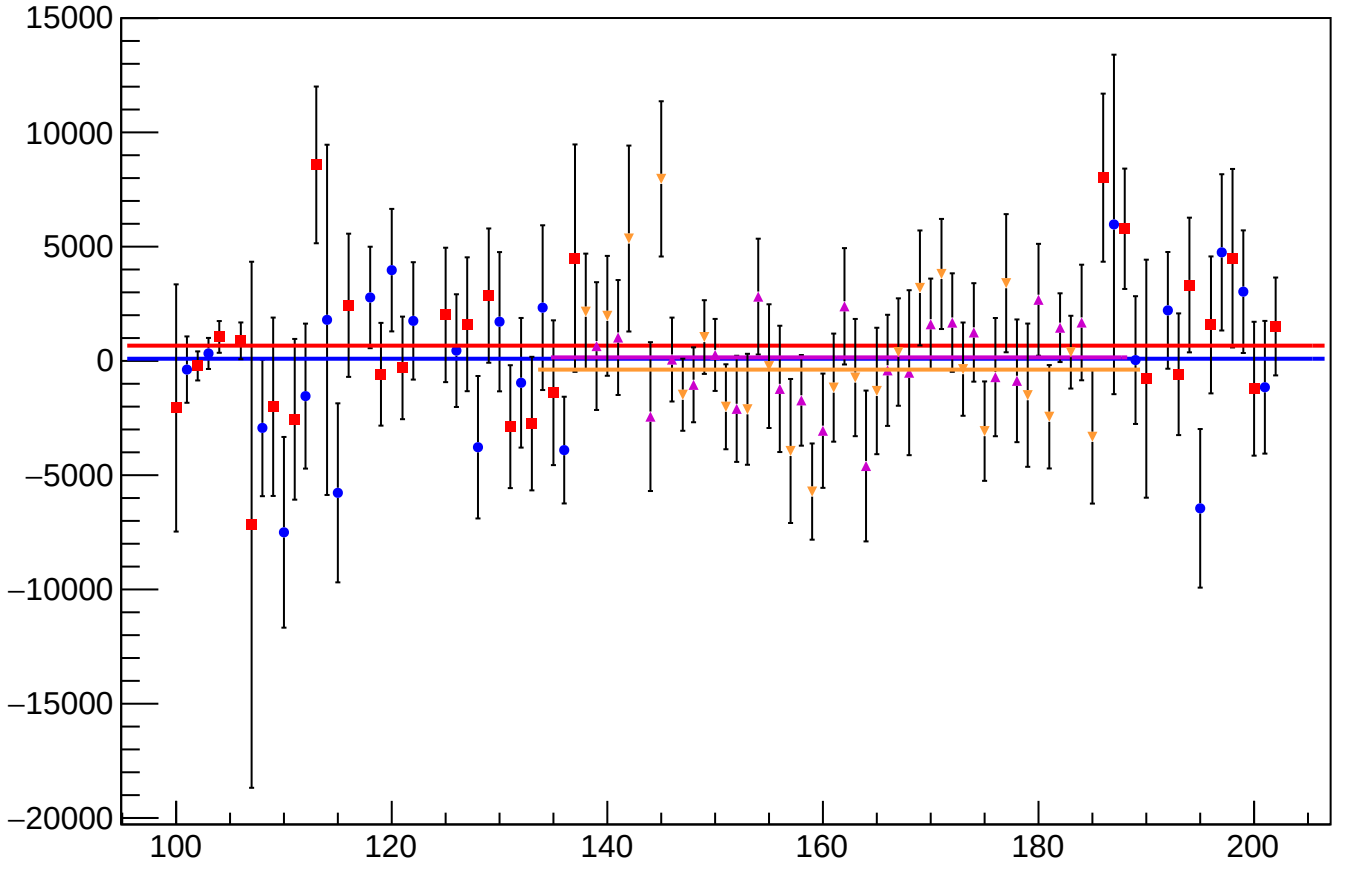
Right Out: 2306.668+/-0.437 χ^2/NDF: 240034.2/26

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.051+/-0.285 χ^2/NDF: 552900.1/46

All: 2233.495+/-0.199 χ^2/NDF: 836580.1/96

- sign 2238.720+/-0.279 χ^2/NDF: 282963.2/49



Right In: 95.284+/-448.513 χ^2/NDF: 24.5/22

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

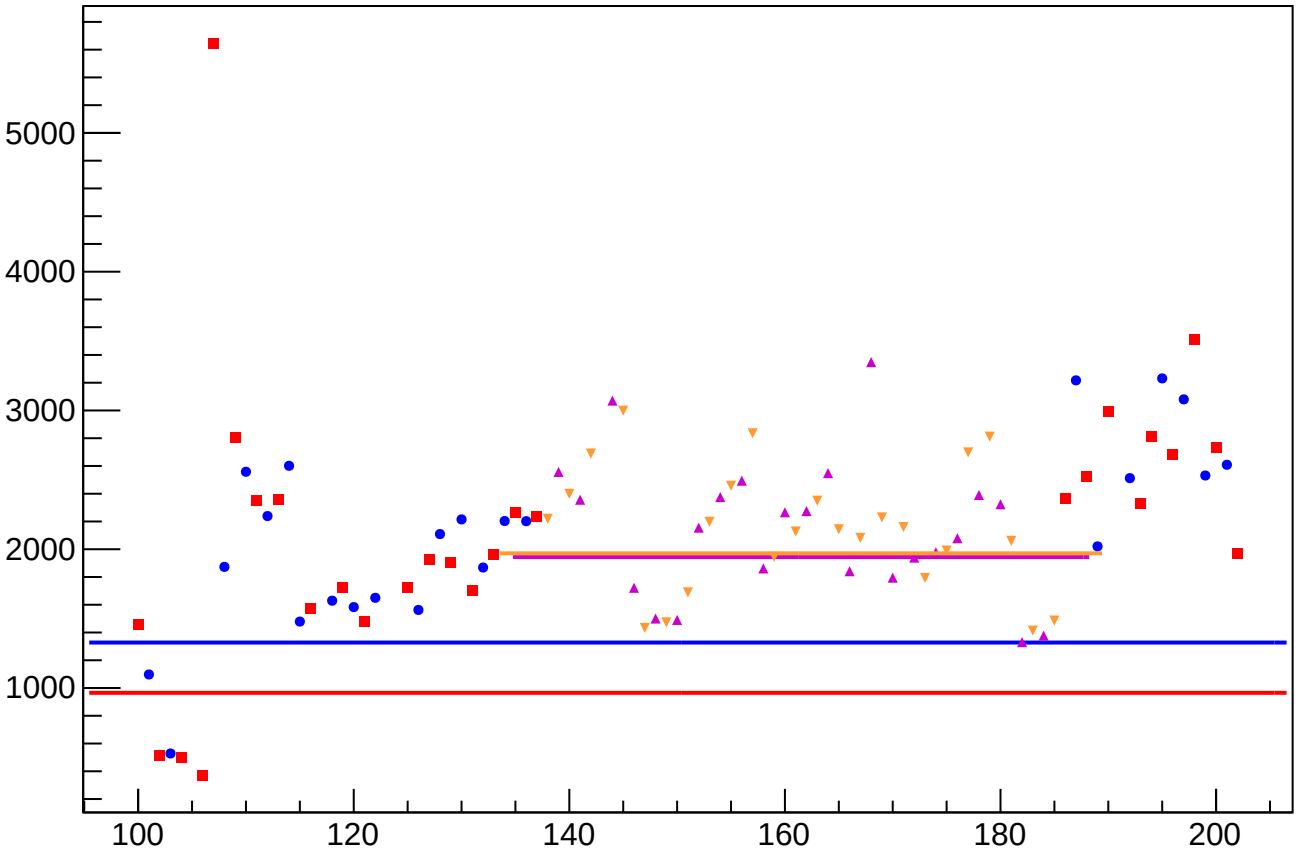
Right Out: 668.040+/-340.406 χ^2/NDF: 26.0/26

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -130.732+/-324.963 χ^2/NDF: 55.8/46

All: 230.864+/-210.049 χ^2/NDF: 97.5/96

- sign 490.358+/-275.286 χ^2/NDF: 39.6/49



Right In: 1327.613+/-0.317 χ^2/NDF: 6757388.2/22

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

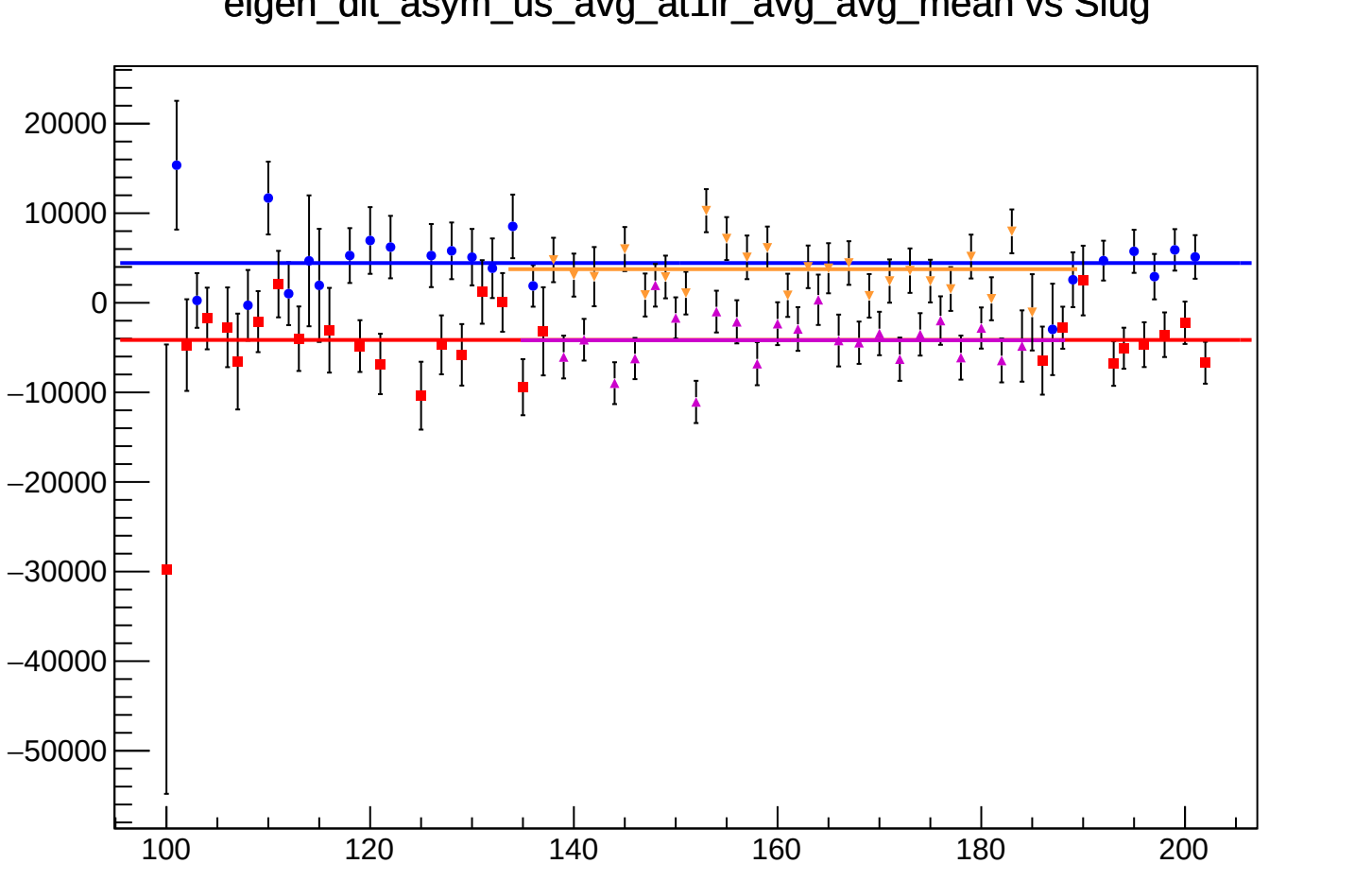
Right Out: 965.426+/-0.241 χ^2/NDF: 11537834.6/26

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1633.090+/-0.230 χ^2/NDF: 10407033.7/46

All: 1441.429+/-0.149 χ^2/NDF: 30737214.5/9

- sign 1303.886+/-0.195 χ^2/NDF: 19135195.4/49



Right In: 4437.424+/-658.627 χ^2/NDF: 17.2/22

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4146.460+/-618.631 χ^2/NDF: 22.4/26

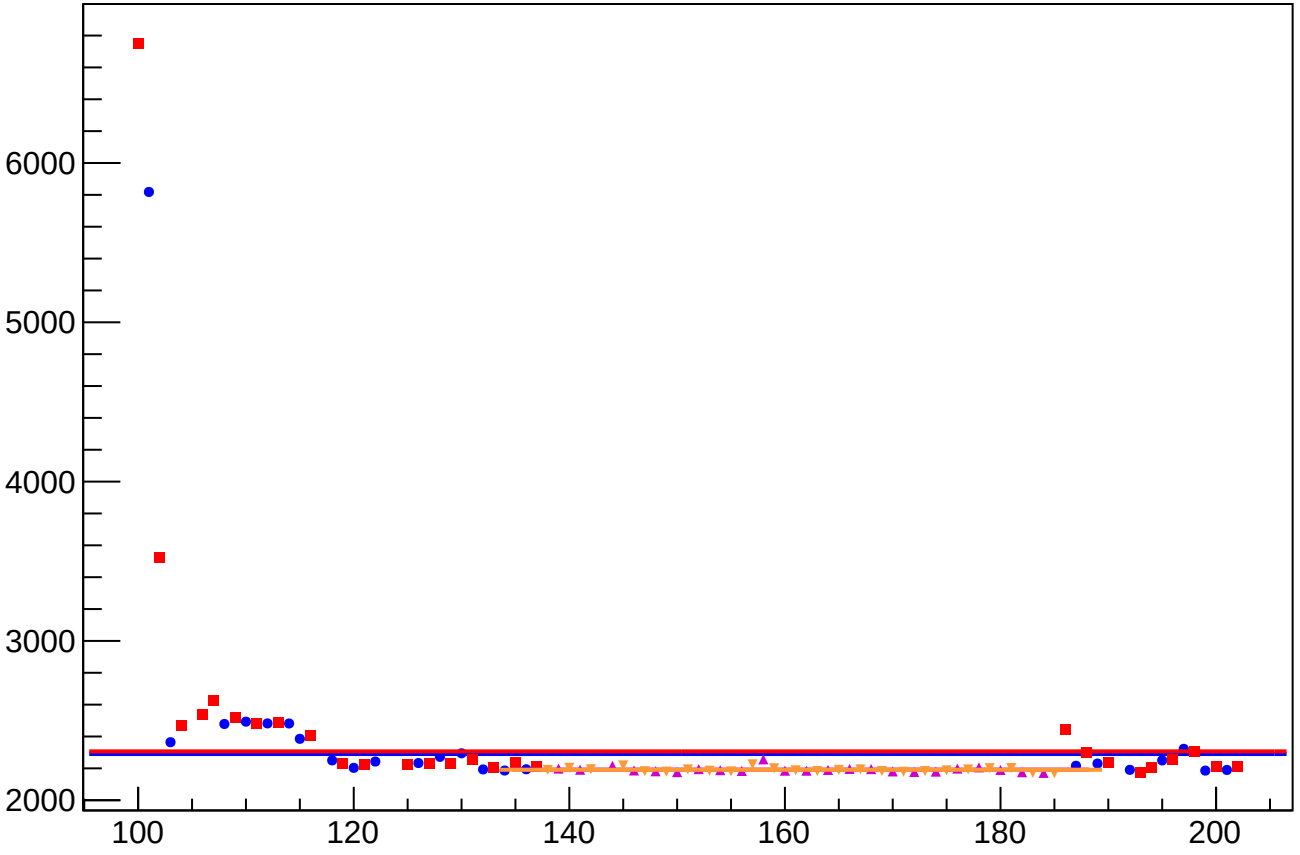
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4009.317+/-402.532 χ^2/NDF: 43.5/46

All: -163.530+/-281.703 χ^2/NDF: 309.2/96

- sign -4168.871+/-394.370 χ^2/NDF: 55.0/49

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2289.947+/-0.466 χ^2/NDF: 523476.2/22

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

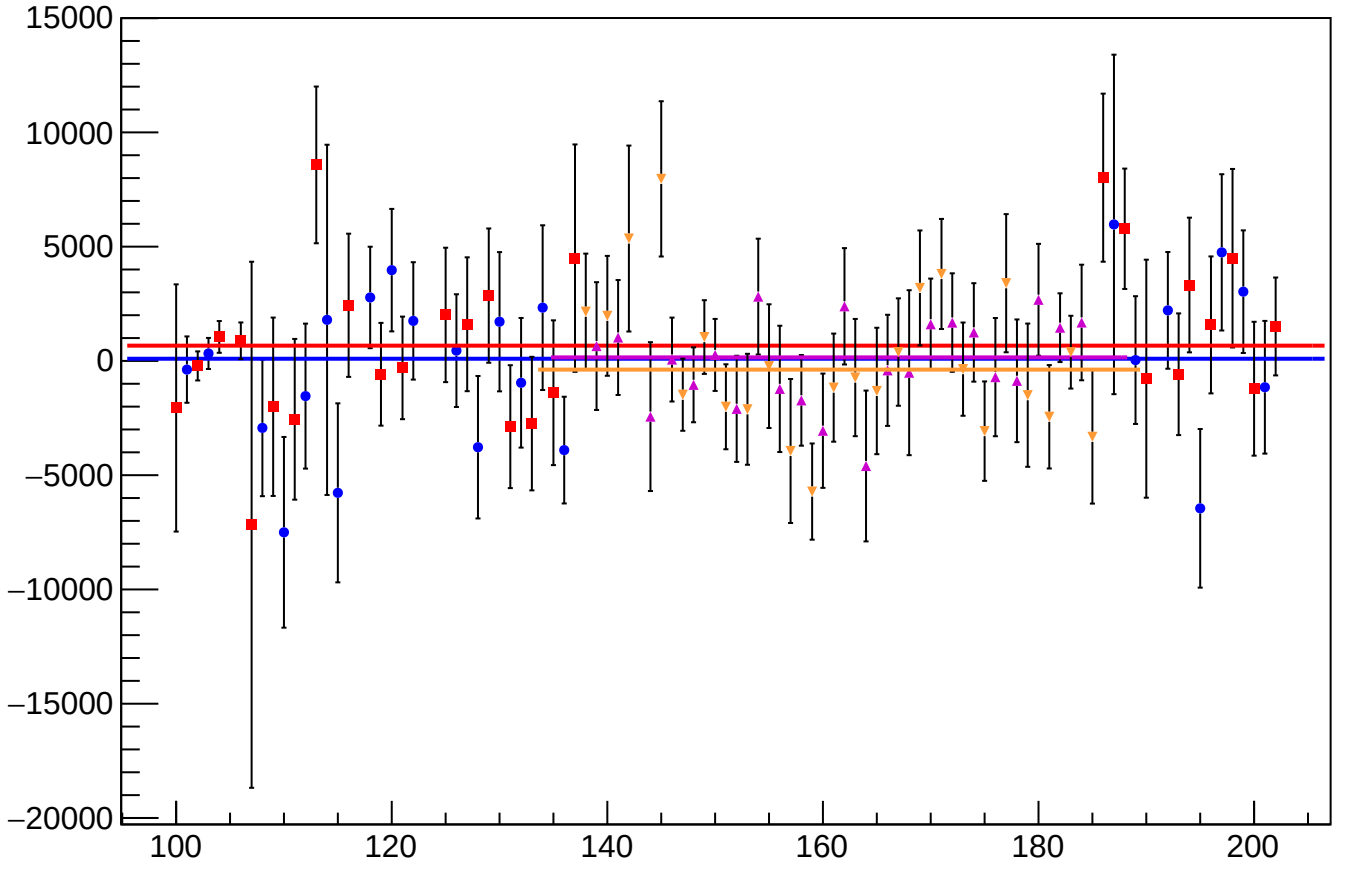
Right Out: 2306.668+/-0.437 χ^2/NDF: 240033.0/26

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.051+/-0.285 χ^2/NDF: 552899.8/46

All: 2233.495+/-0.199 χ^2/NDF: 836578.4/96

- sign 2238.720+/-0.279 χ^2/NDF: 282961.8/49



Right In: 95.279+/-448.515 χ^2/NDF: 24.5/22

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

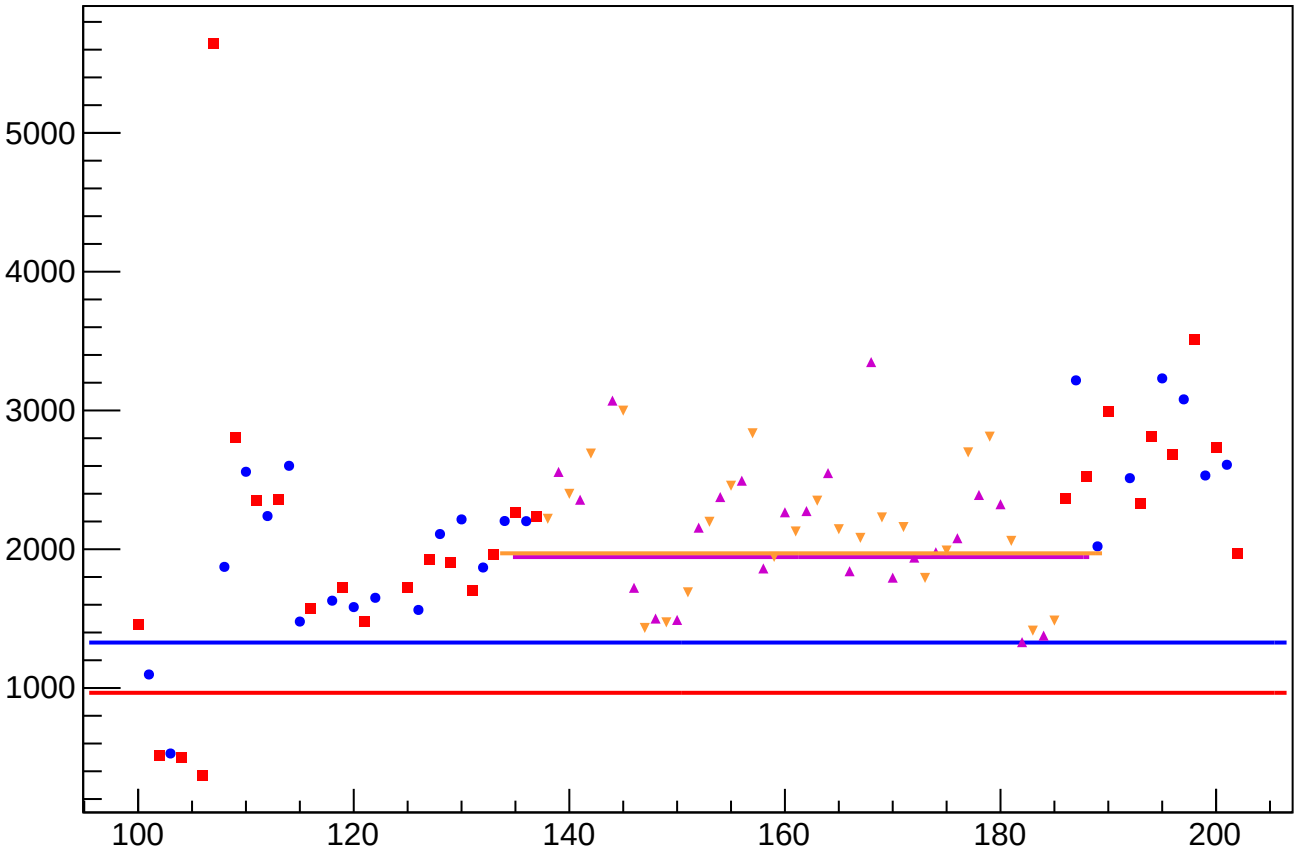
Right Out: 668.048+/-340.410 χ^2/NDF: 26.0/26

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -130.737+/-324.964 χ^2/NDF: 55.8/46

All: 230.863+/-210.050 χ^2/NDF: 97.5/96

- sign 490.361+/-275.289 χ^2/NDF: 39.6/49



Right In: 1327.623+/-0.317 χ^2/NDF: 6757278.9/22

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 965.444+/-0.241 χ^2/NDF: 11537610.5/26

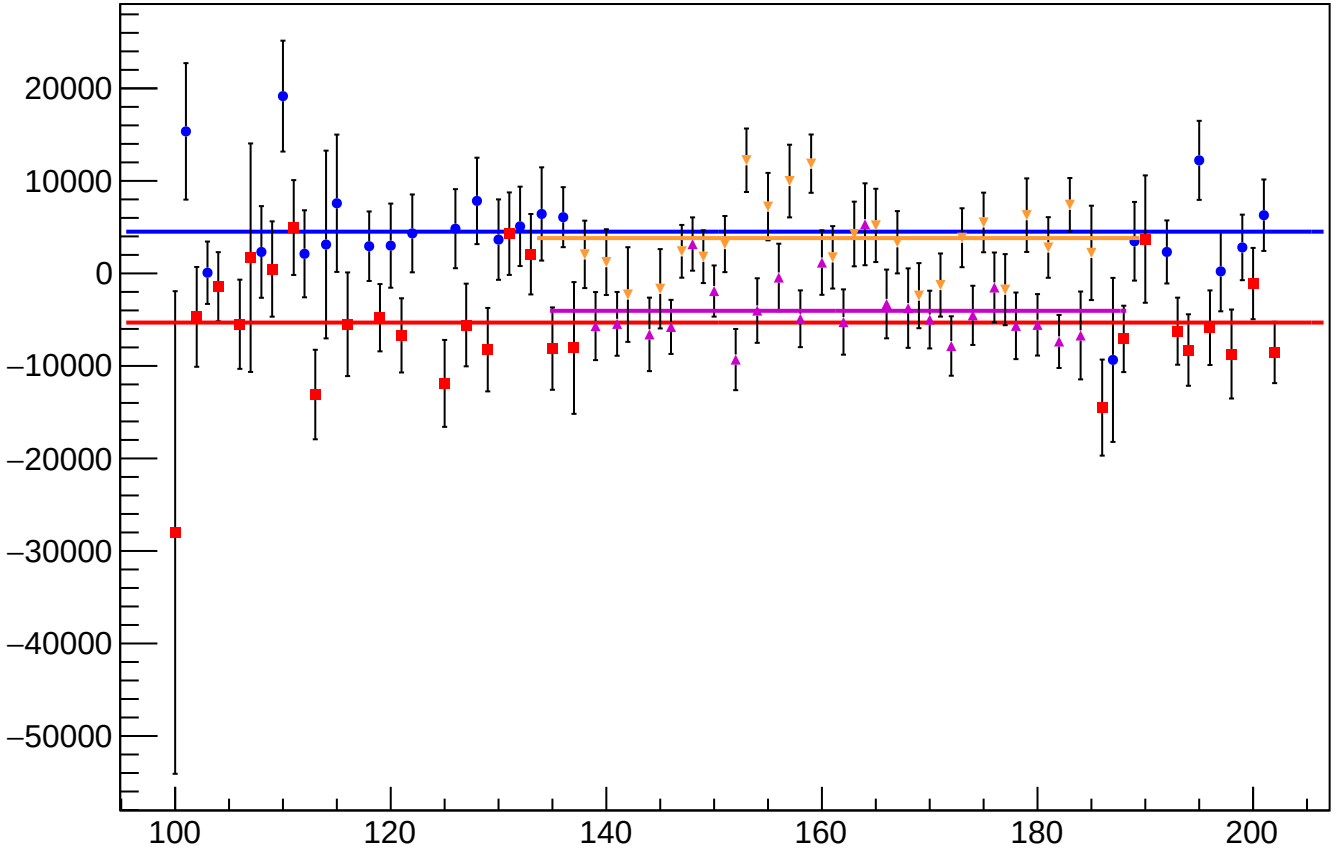
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1633.098+/-0.230 χ^2/NDF: 10406870.2/46

All: 1441.443+/-0.149 χ^2/NDF: 30736516.9/9

- sign 1303.904+/-0.195 χ^2/NDF: 19134741.3/49

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4512.003+/-922.354 χ^2/NDF: 19.4/22

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5311.730+/-875.210 χ^2/NDF: 29.1/26

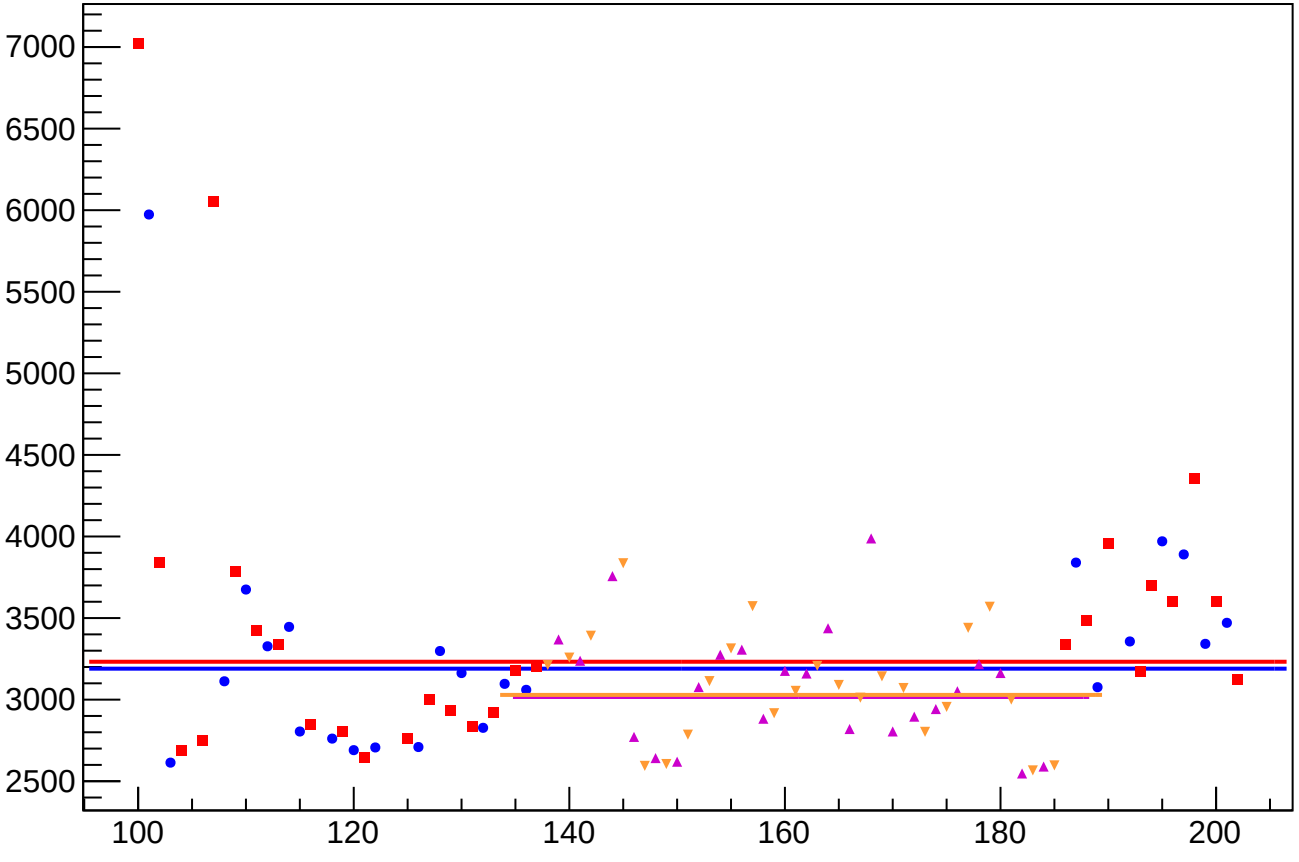
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4075.346+/-561.776 χ^2/NDF: 50.6/46

All: -317.301+/-393.436 χ^2/NDF: 223.4/96

- sign -4545.845+/-551.182 χ^2/NDF: 52.8/49

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3189.776+/-0.652 χ^2/NDF: 636961.9/22

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

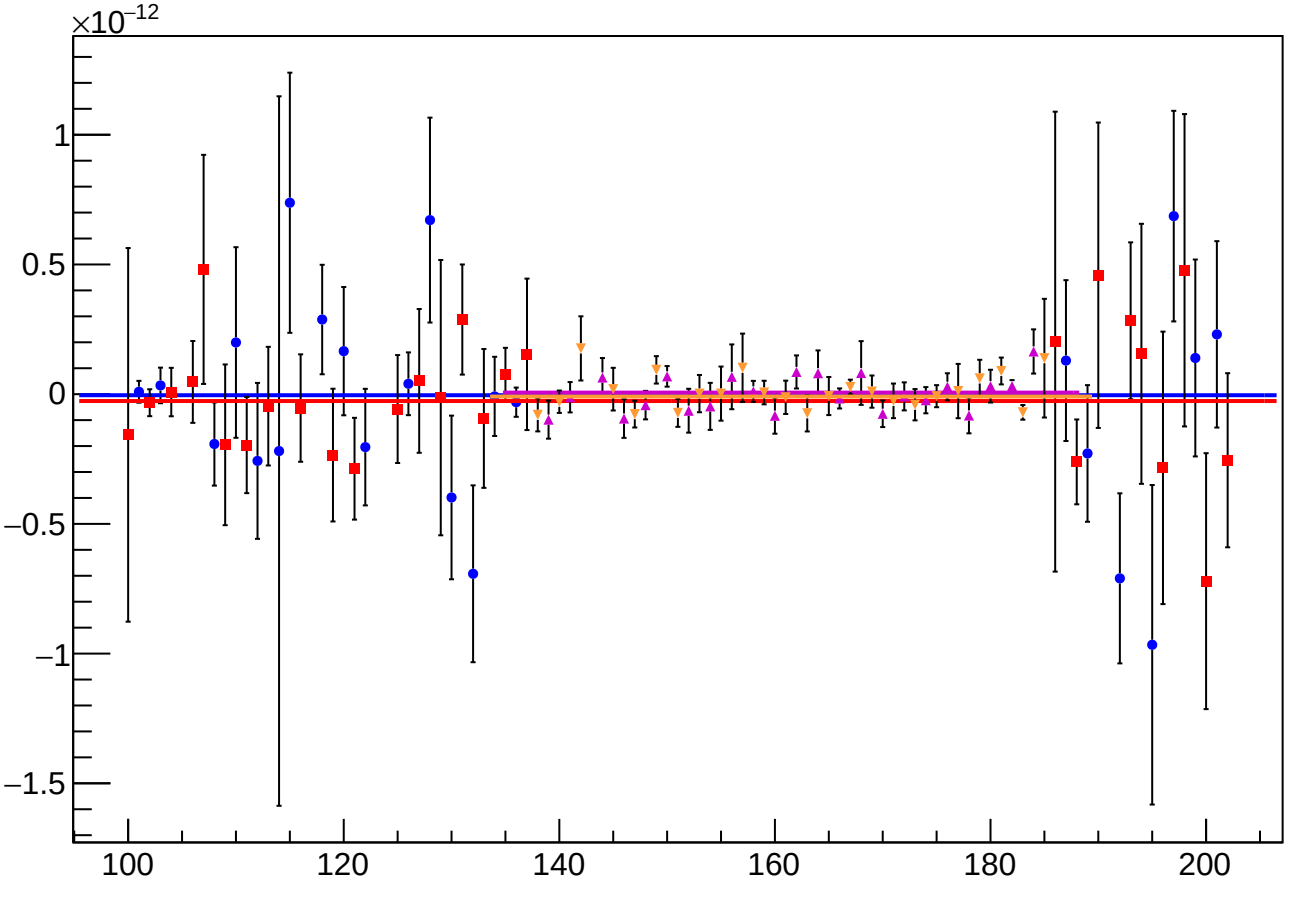
Right Out: 3232.294+/-0.619 χ^2/NDF: 611771.8/26

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

\+ sign 3088.631+/-0.397 χ^2/NDF: 1072306.5/46

All: 3095.411+/-0.278 χ^2/NDF: 2198080.7/96

\- sign 3101.937+/-0.390 χ^2/NDF: 1125202.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

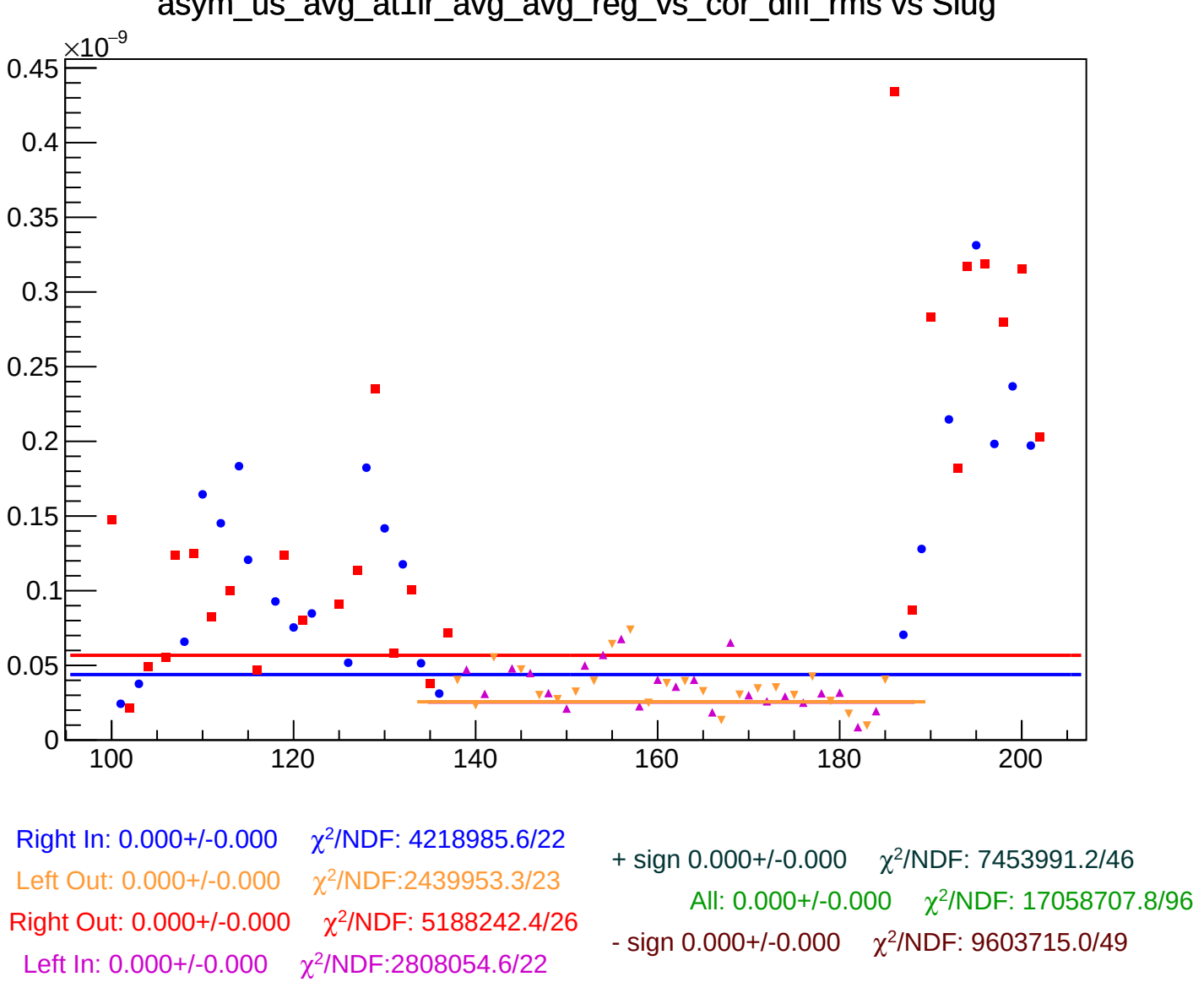
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/26

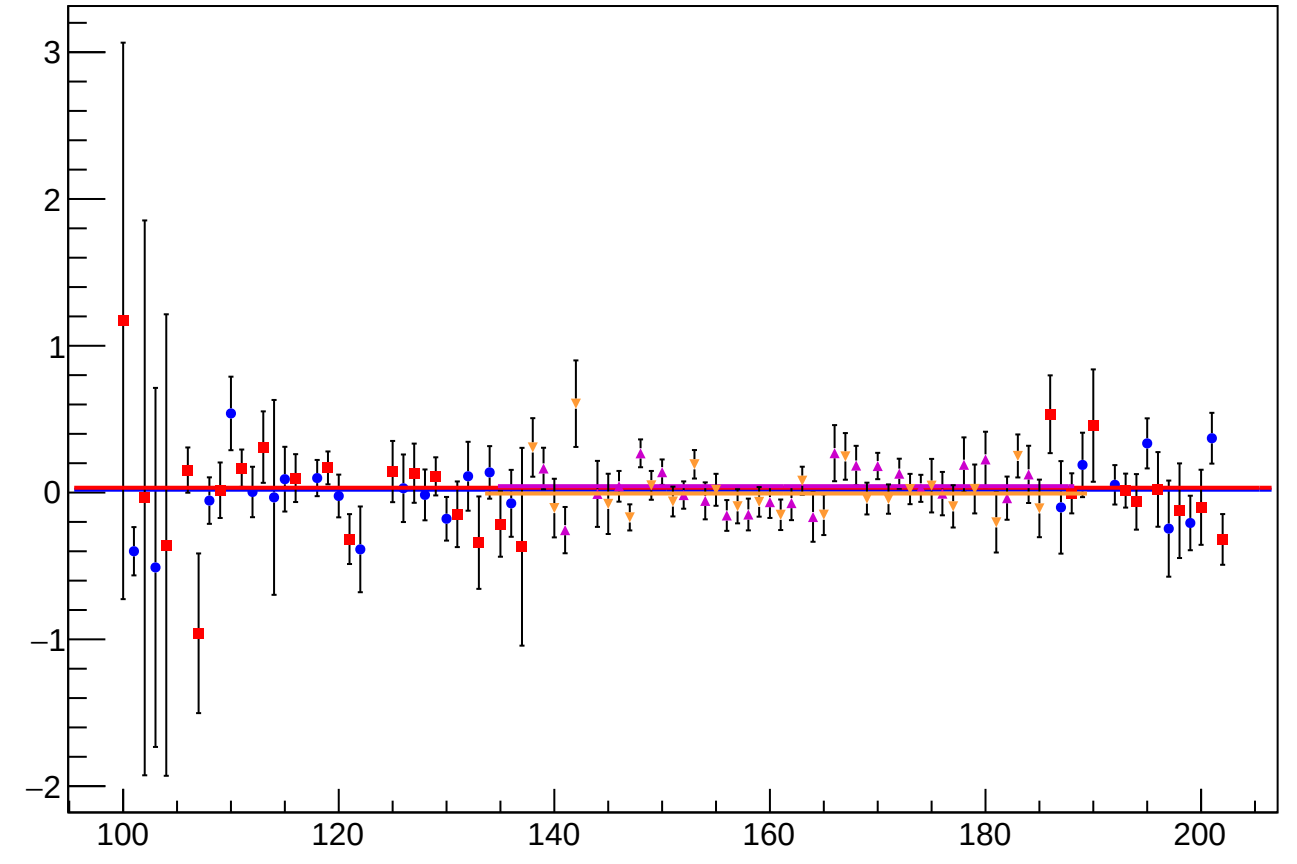
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.8/46

All: -0.000+/-0.000 χ^2/NDF: 93.9/96

- sign 0.000+/-0.000 χ^2/NDF: 40.5/49


asym_us_avg_at1lr_avg_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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4218985.6/22
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 5188242.4/26
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
+ sign 0.000+/-0.000 χ²/NDF: 7453991.2/46
All: 0.000+/-0.000 χ²/NDF: 17058707.8/96
- sign 0.000+/-0.000 χ²/NDF: 9603715.0/49



Right In: 0.019+/-0.040 χ^2/NDF: 26.8/22

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

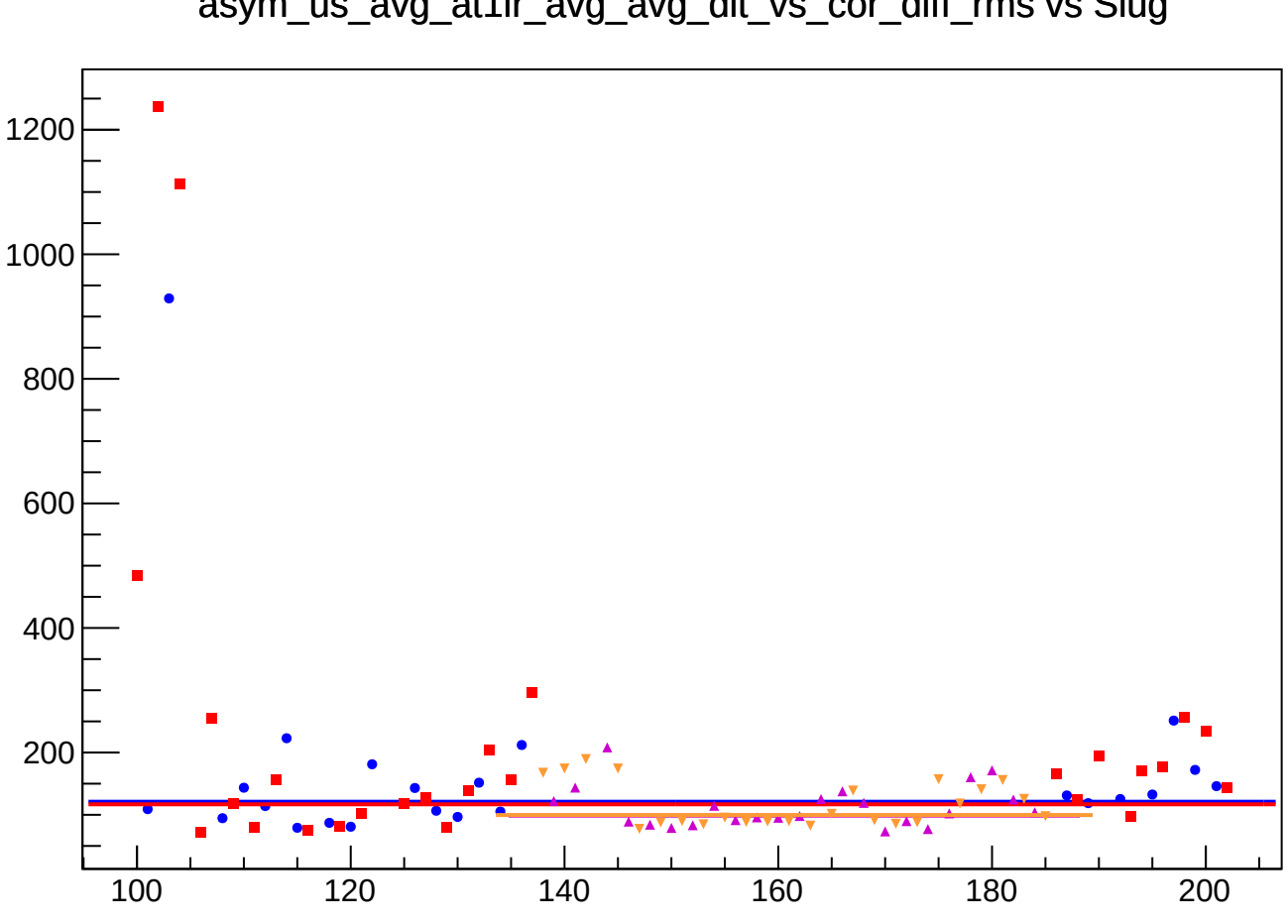
Right Out: 0.033+/-0.037 χ^2/NDF: 27.0/26

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.001+/-0.021 χ^2/NDF: 54.8/46

All: 0.021+/-0.015 χ^2/NDF: 113.8/96

- sign 0.040+/-0.021 χ^2/NDF: 57.3/49



Right In: 120.995+/-0.028 χ^2/NDF: 2443980.8/22

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

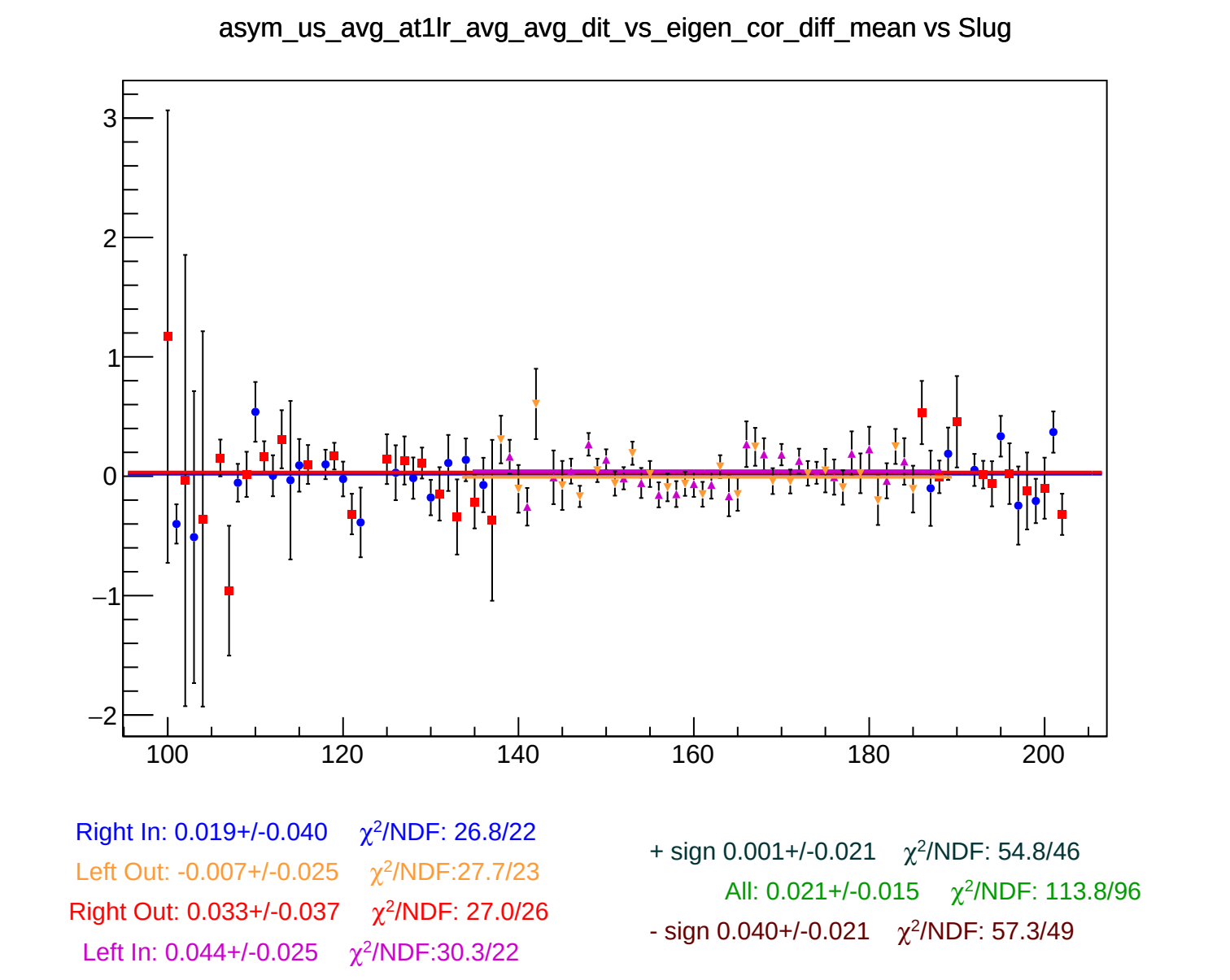
Right Out: 116.870+/-0.026 χ^2/NDF: 4342434.4/26

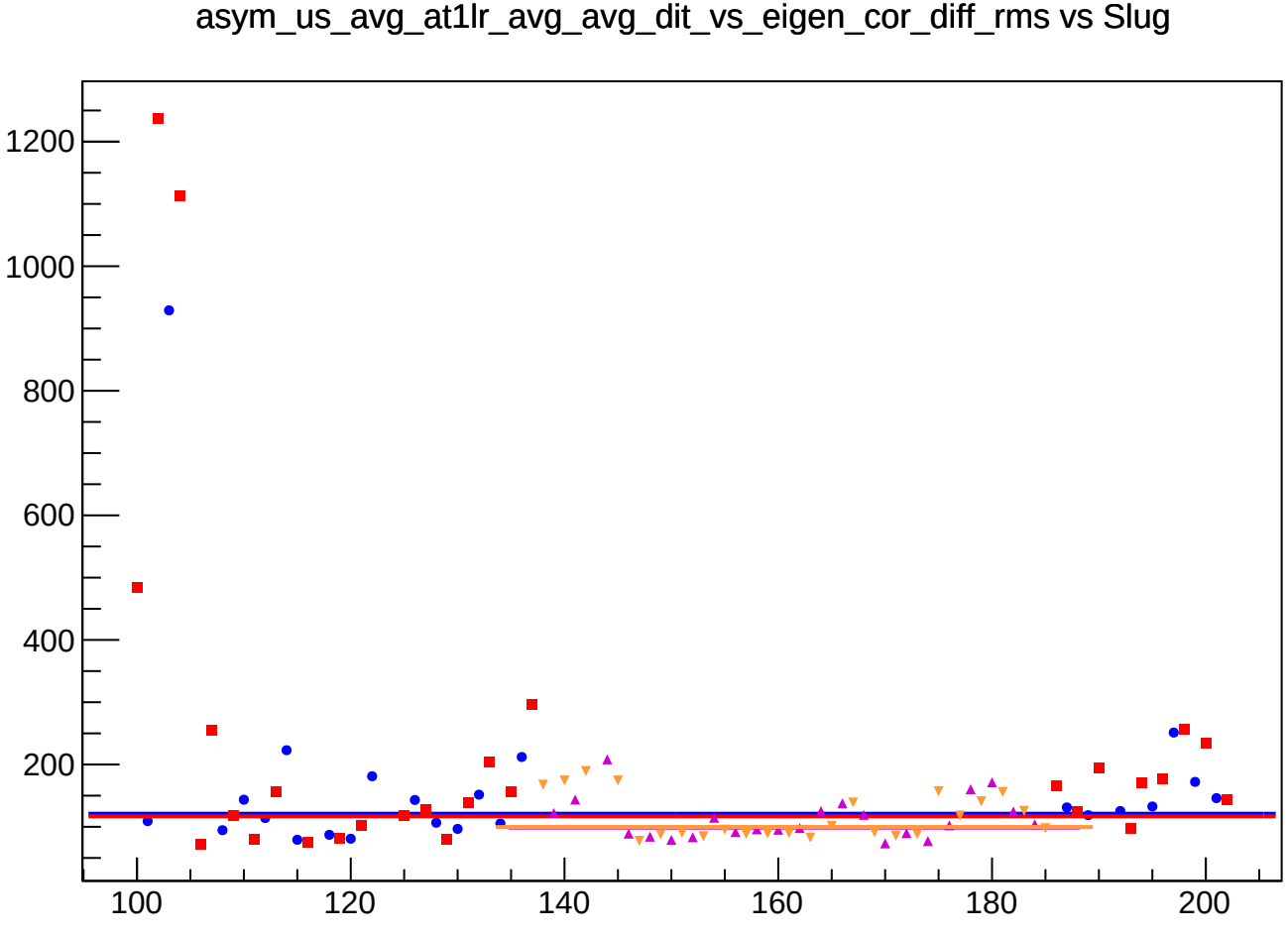
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.770+/-0.015 χ^2/NDF: 4927669.3/46

All: 105.023+/-0.011 χ^2/NDF: 11605373.0/96

- sign 104.313+/-0.015 χ^2/NDF: 6672927.0/49


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.019+/-0.040 χ²/NDF: 26.8/22
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.033+/-0.037 χ²/NDF: 27.0/26
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.001+/-0.021 χ²/NDF: 54.8/46
All: 0.021+/-0.015 χ²/NDF: 113.8/96
- sign 0.040+/-0.021 χ²/NDF: 57.3/49



Right In: 120.995+/-0.028 χ^2/NDF: 2443980.8/22

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

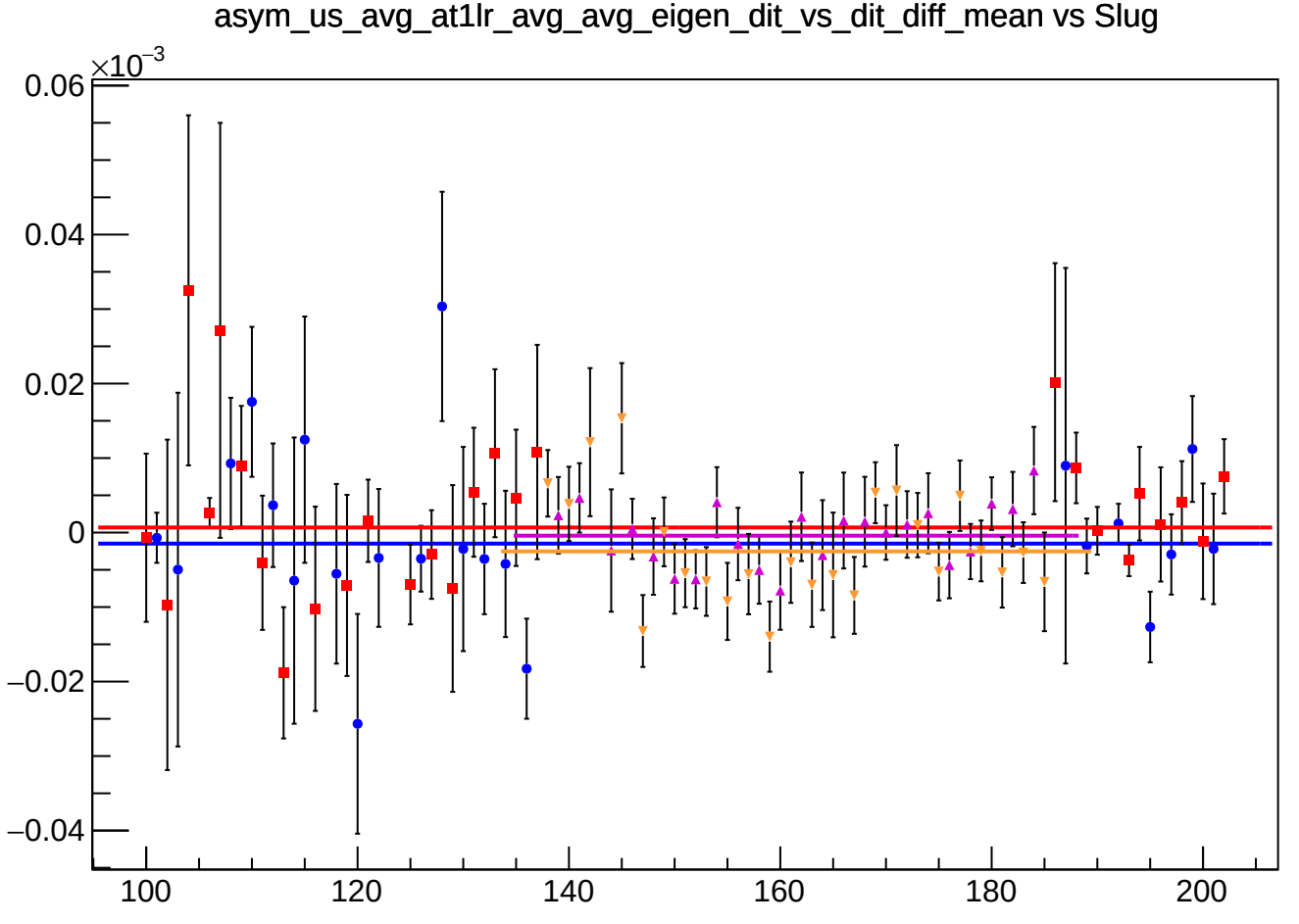
Right Out: 116.870+/-0.026 χ^2/NDF: 4342434.4/26

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.770+/-0.015 χ^2/NDF: 4927669.3/46

All: 105.023+/-0.011 χ^2/NDF: 11605373.0/96

- sign 104.313+/-0.015 χ^2/NDF: 6672927.0/49



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

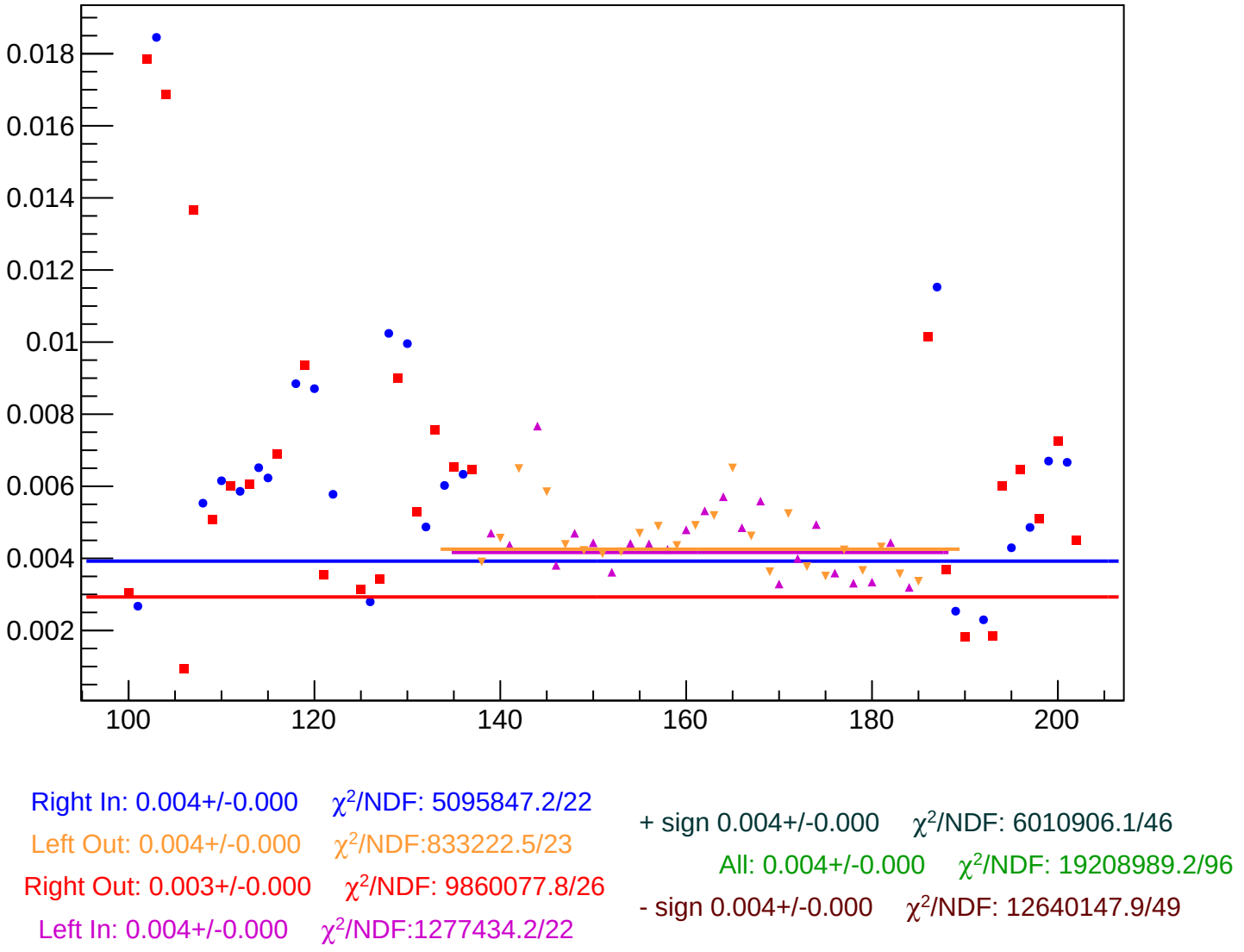
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/26

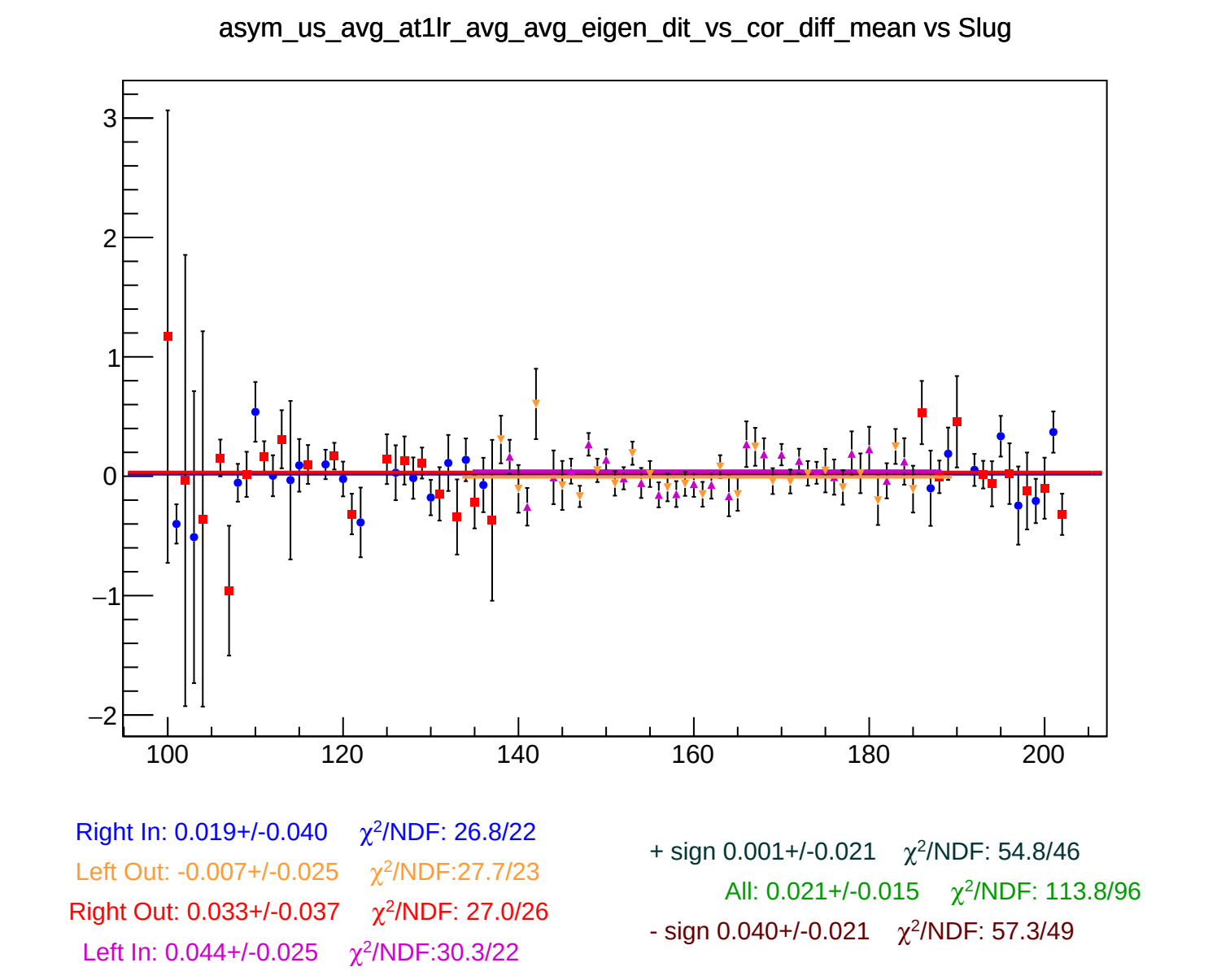
Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

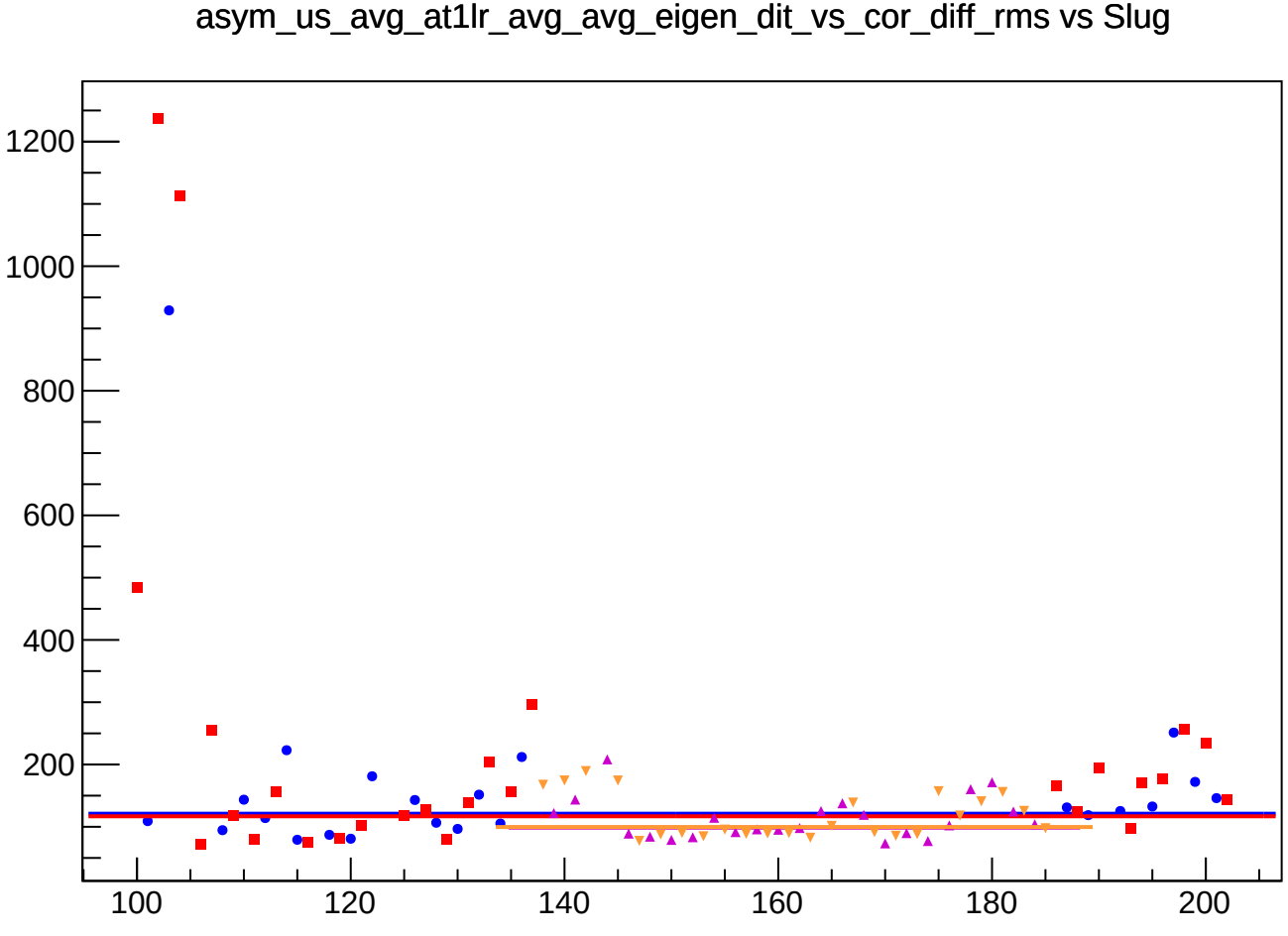
+ sign -0.000+/-0.000 χ^2/NDF: 70.7/46

All: -0.000+/-0.000 χ^2/NDF: 118.9/96

- sign 0.000+/-0.000 χ^2/NDF: 43.8/49


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
120
140
160
180
200
Right In: 0.004+/-0.000 χ²/NDF: 5095847.2/22
Left Out: 0.004+/-0.000 χ²/NDF:833222.5/23
Right Out: 0.003+/-0.000 χ²/NDF: 9860077.8/26
Left In: 0.004+/-0.000 χ²/NDF:1277434.2/22
+ sign 0.004+/-0.000 χ²/NDF: 6010906.1/46
All: 0.004+/-0.000 χ²/NDF: 19208989.2/96
- sign 0.004+/-0.000 χ²/NDF: 12640147.9/49


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.019+/-0.040 χ²/NDF: 26.8/22
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.033+/-0.037 χ²/NDF: 27.0/26
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.001+/-0.021 χ²/NDF: 54.8/46
All: 0.021+/-0.015 χ²/NDF: 113.8/96
- sign 0.040+/-0.021 χ²/NDF: 57.3/49



Right In: 120.993+/-0.028 χ^2/NDF: 2444070.4/22

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 116.869+/-0.026 χ^2/NDF: 4342456.0/26

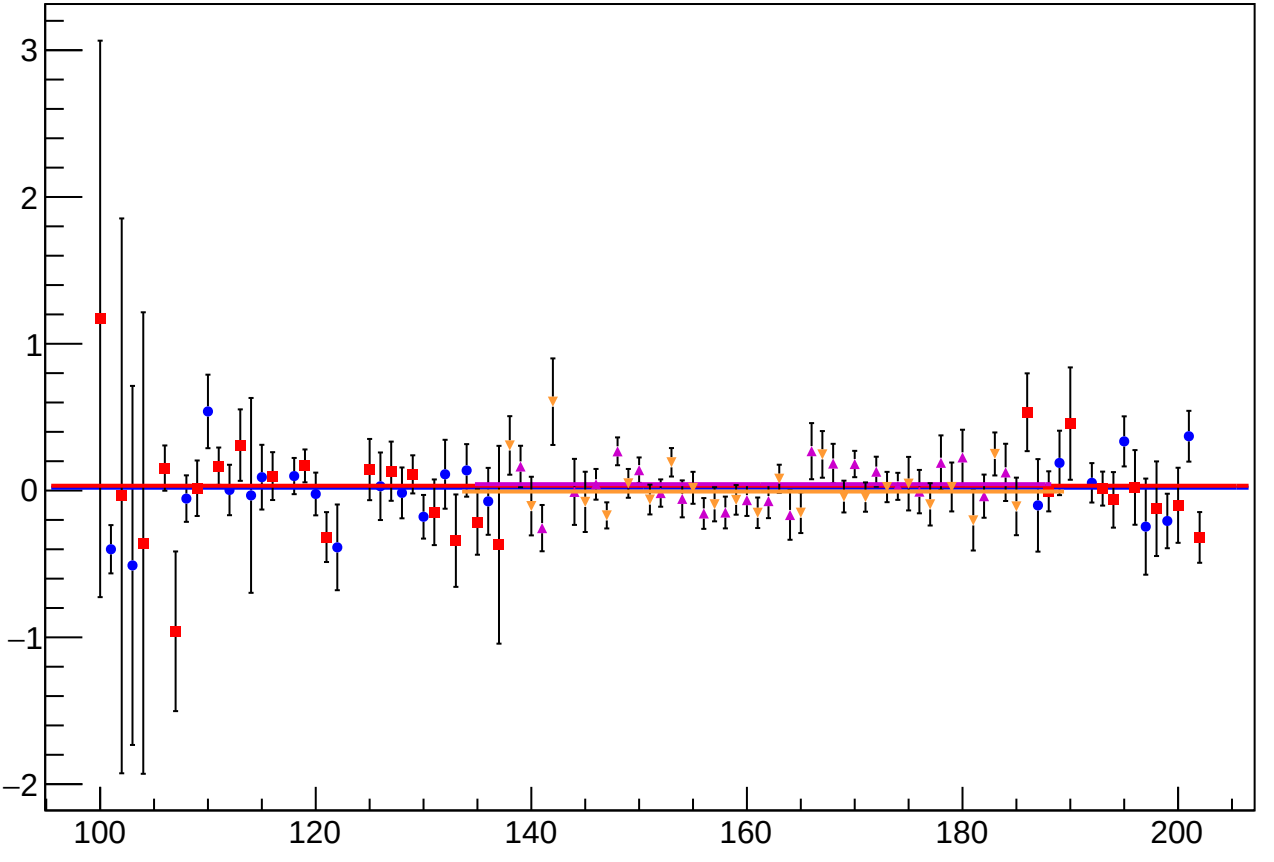
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.770+/-0.015 χ^2/NDF: 4927621.7/46

All: 105.023+/-0.011 χ^2/NDF: 11605261.5/96

- sign 104.313+/-0.015 χ^2/NDF: 6672862.7/49

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.040 χ^2/NDF: 26.8/22

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

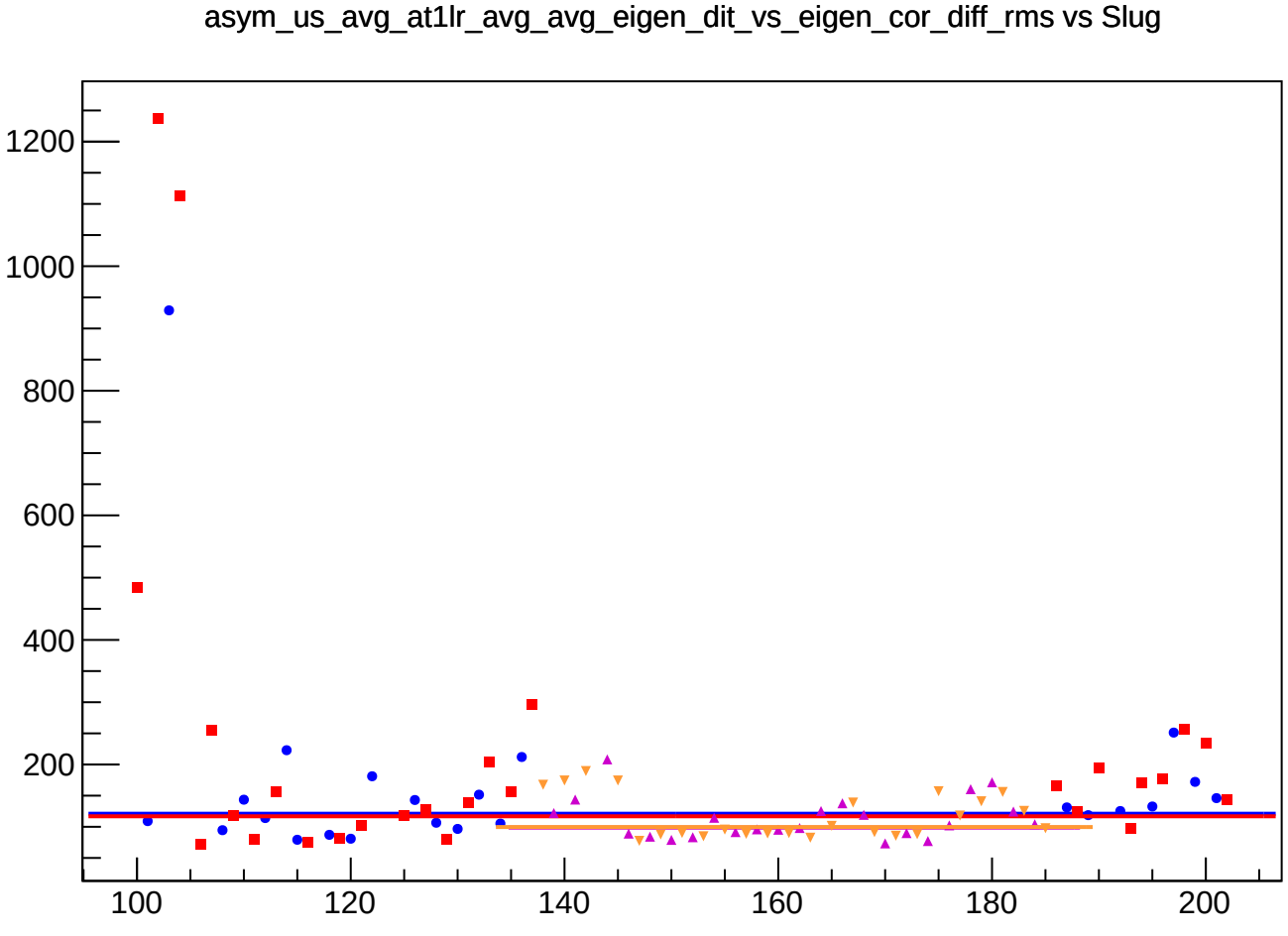
Right Out: 0.033+/-0.037 χ^2/NDF: 27.0/26

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.001+/-0.021 χ^2/NDF: 54.8/46

All: 0.021+/-0.015 χ^2/NDF: 113.8/96

- sign 0.040+/-0.021 χ^2/NDF: 57.3/49



Right In: 120.993+/-0.028 χ^2/NDF: 2444070.4/22

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

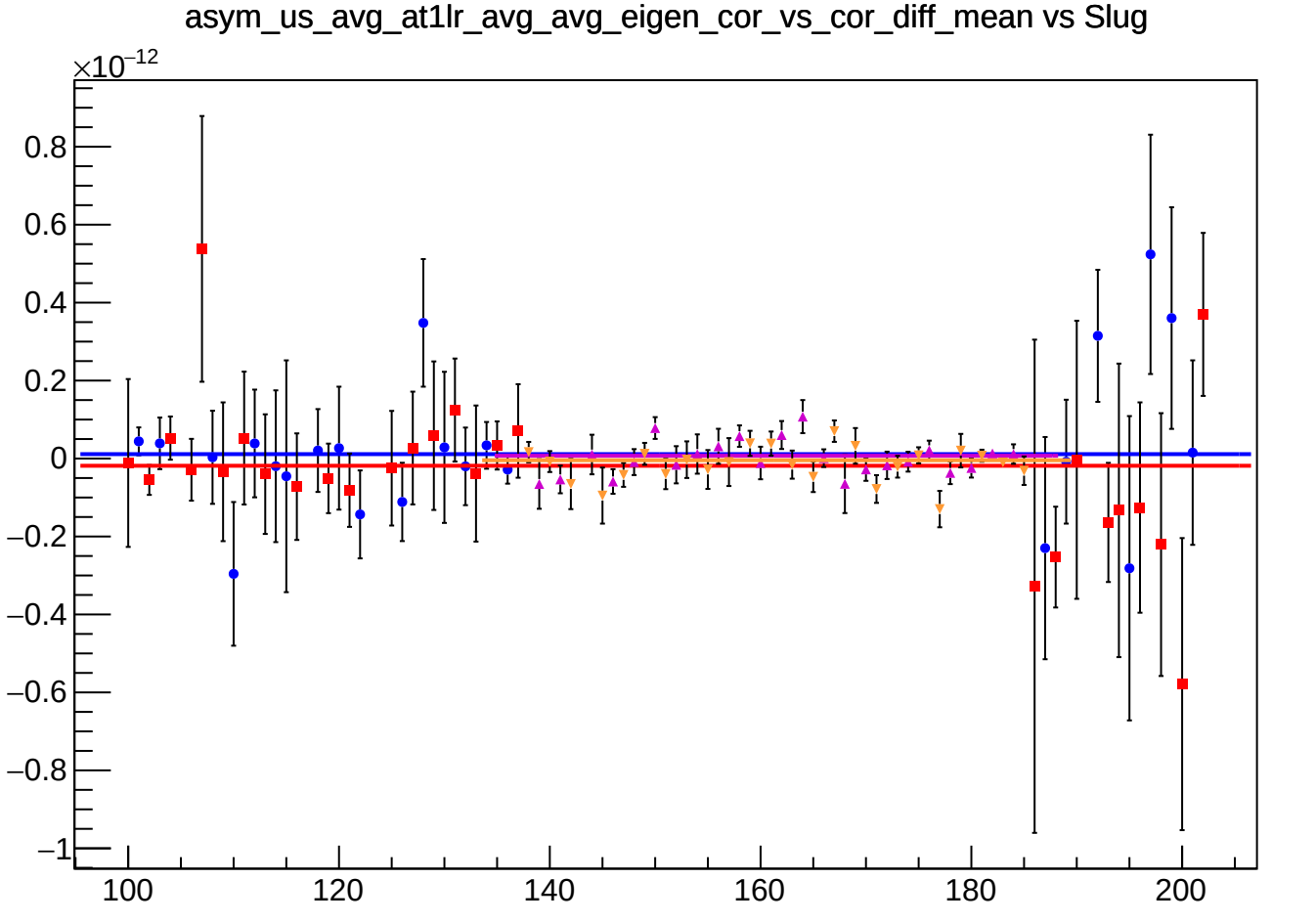
Right Out: 116.869+/-0.026 χ^2/NDF: 4342456.0/26

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.770+/-0.015 χ^2/NDF: 4927621.7/46

All: 105.023+/-0.011 χ^2/NDF: 11605261.5/96

- sign 104.313+/-0.015 χ^2/NDF: 6672862.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

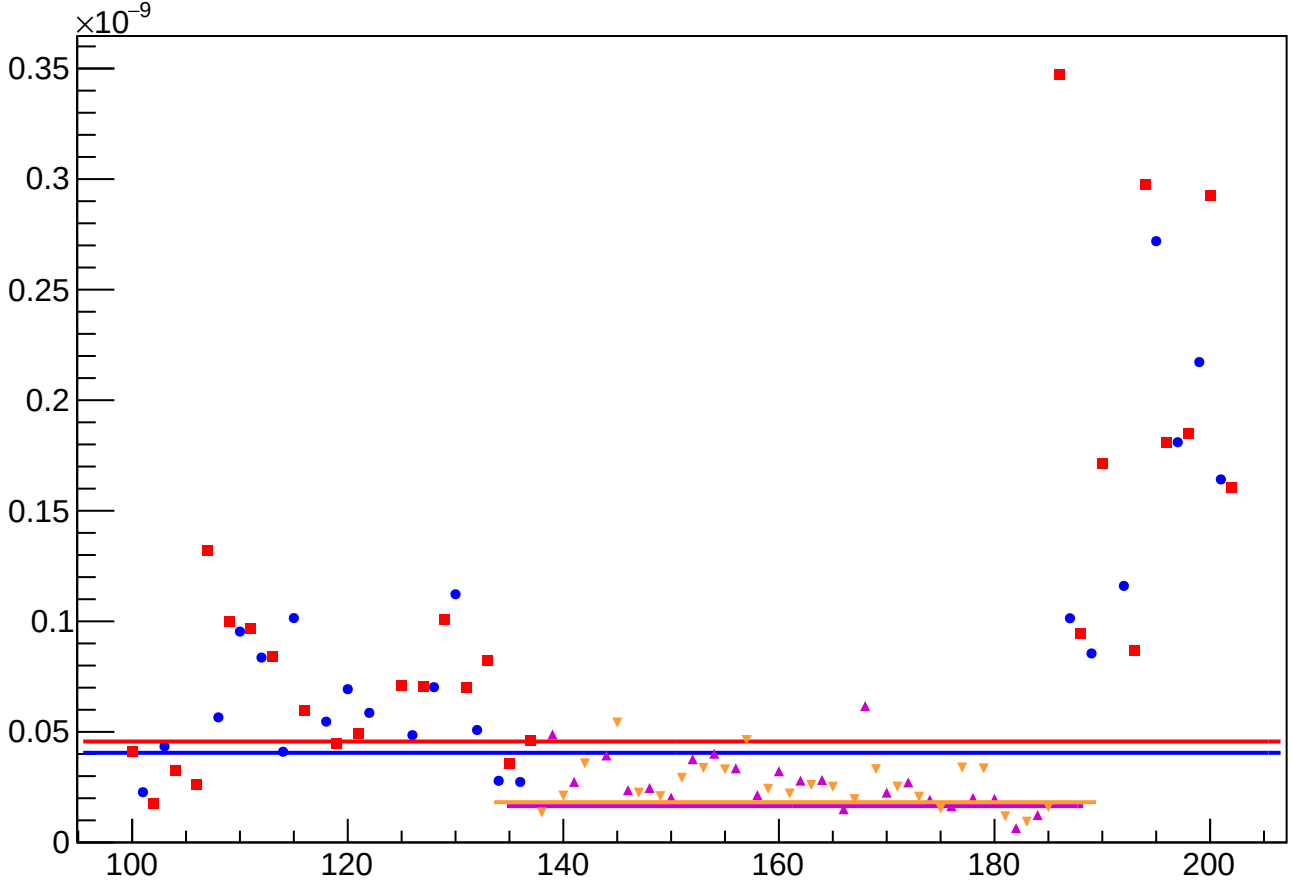
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/26

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.4/46

All: 0.000+/-0.000 χ^2/NDF: 112.8/96

- sign 0.000+/-0.000 χ^2/NDF: 56.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 4963416.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6769045.2/26

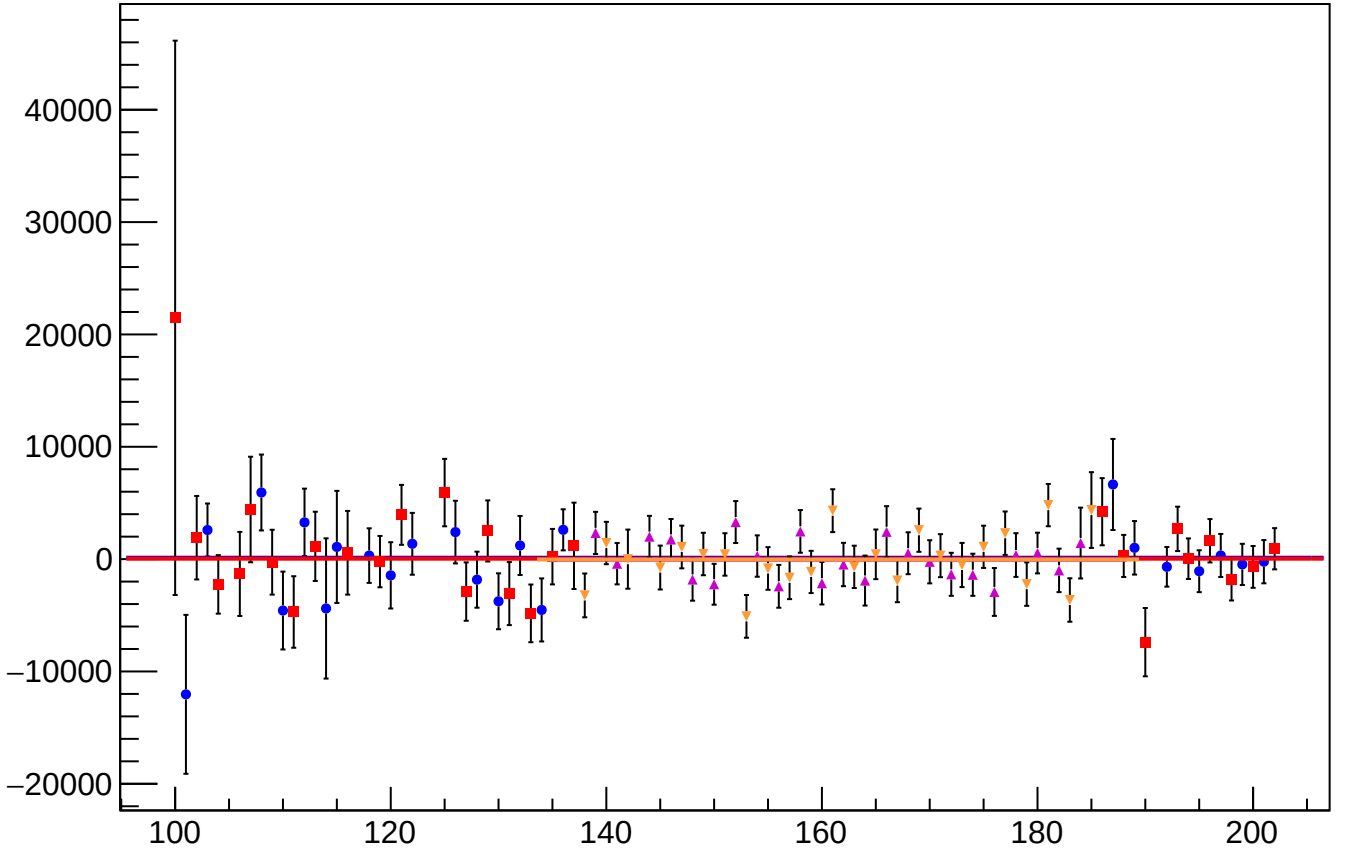
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11866102.9/46

All: 0.000+/-0.000 χ^2/NDF: 29461611.6/96

- sign 0.000+/-0.000 χ^2/NDF: 17475237.6/49

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 123.417+/-521.917 χ^2/NDF: 23.0/22

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 38.096+/-489.713 χ^2/NDF: 29.9/26

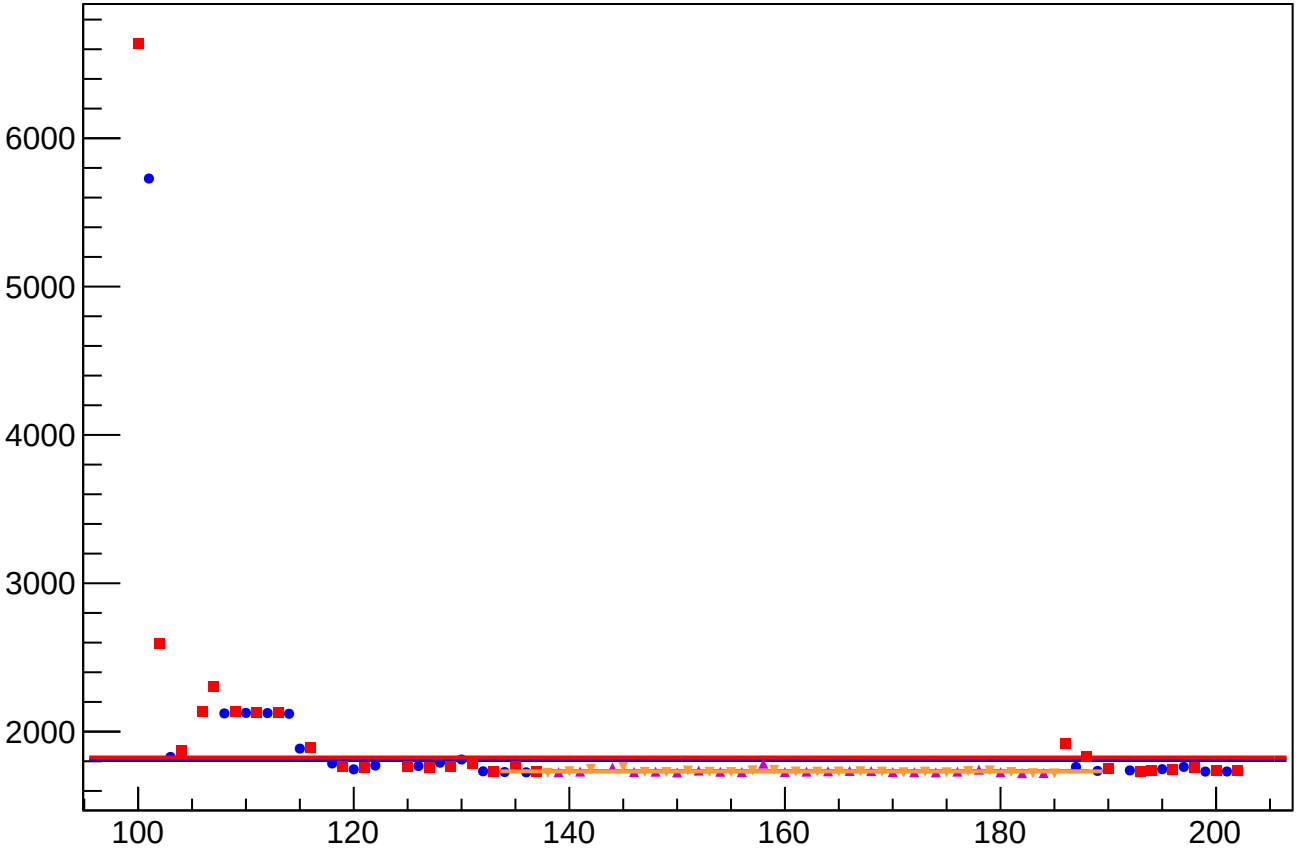
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 24.109+/-318.465 χ^2/NDF: 58.4/46

All: 3.686+/-222.854 χ^2/NDF: 107.7/96

- sign -15.912+/-311.961 χ^2/NDF: 49.3/49

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1808.420+/-0.369 χ^2/NDF: 701016.1/22

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

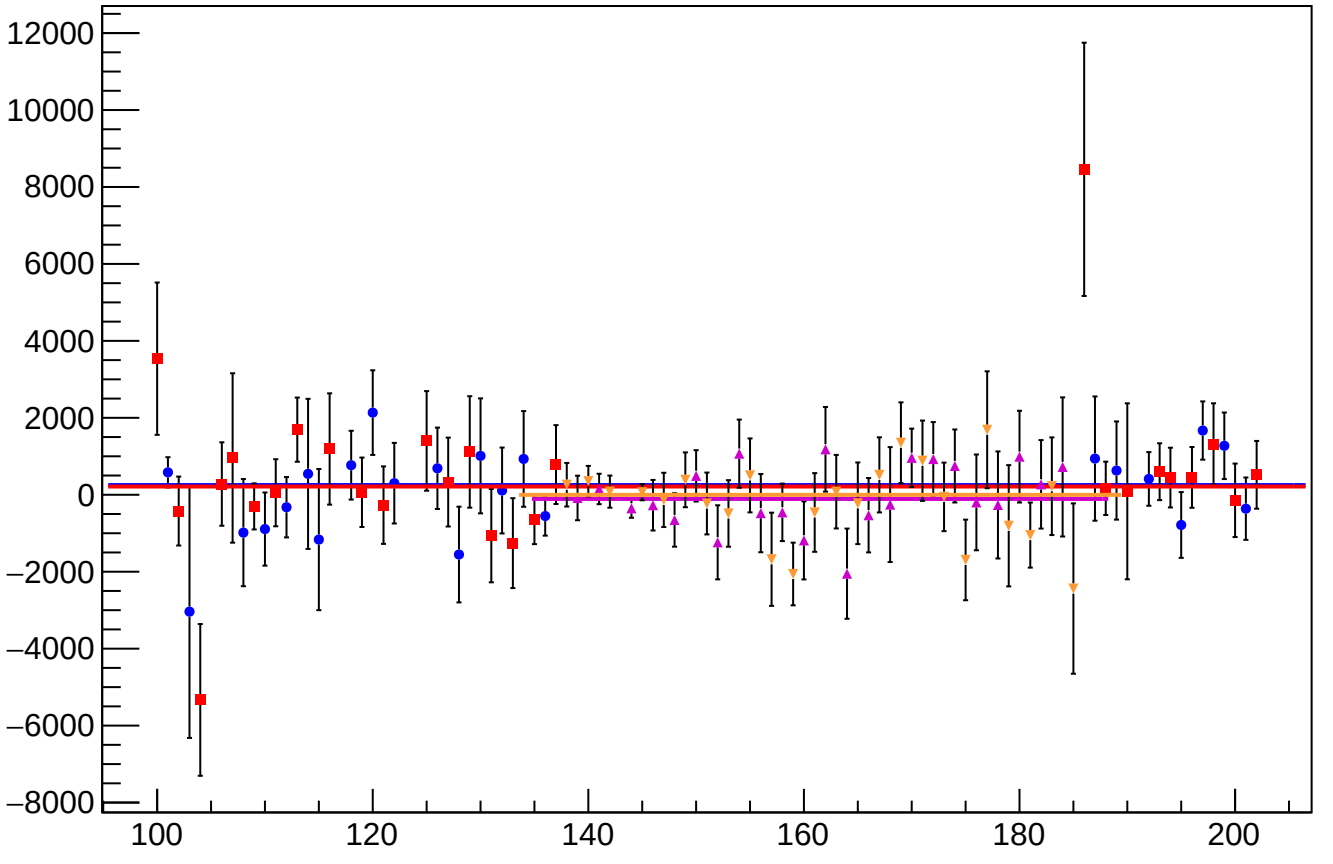
Right Out: 1825.532+/-0.346 χ^2/NDF: 297725.4/26

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1760.444+/-0.225 χ^2/NDF: 728878.0/46

All: 1765.697+/-0.158 χ^2/NDF: 1072040.3/96

- sign 1770.737+/-0.221 χ^2/NDF: 342096.0/49



Right In: 251.759+/-183.600 χ^2/NDF: 21.0/22

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

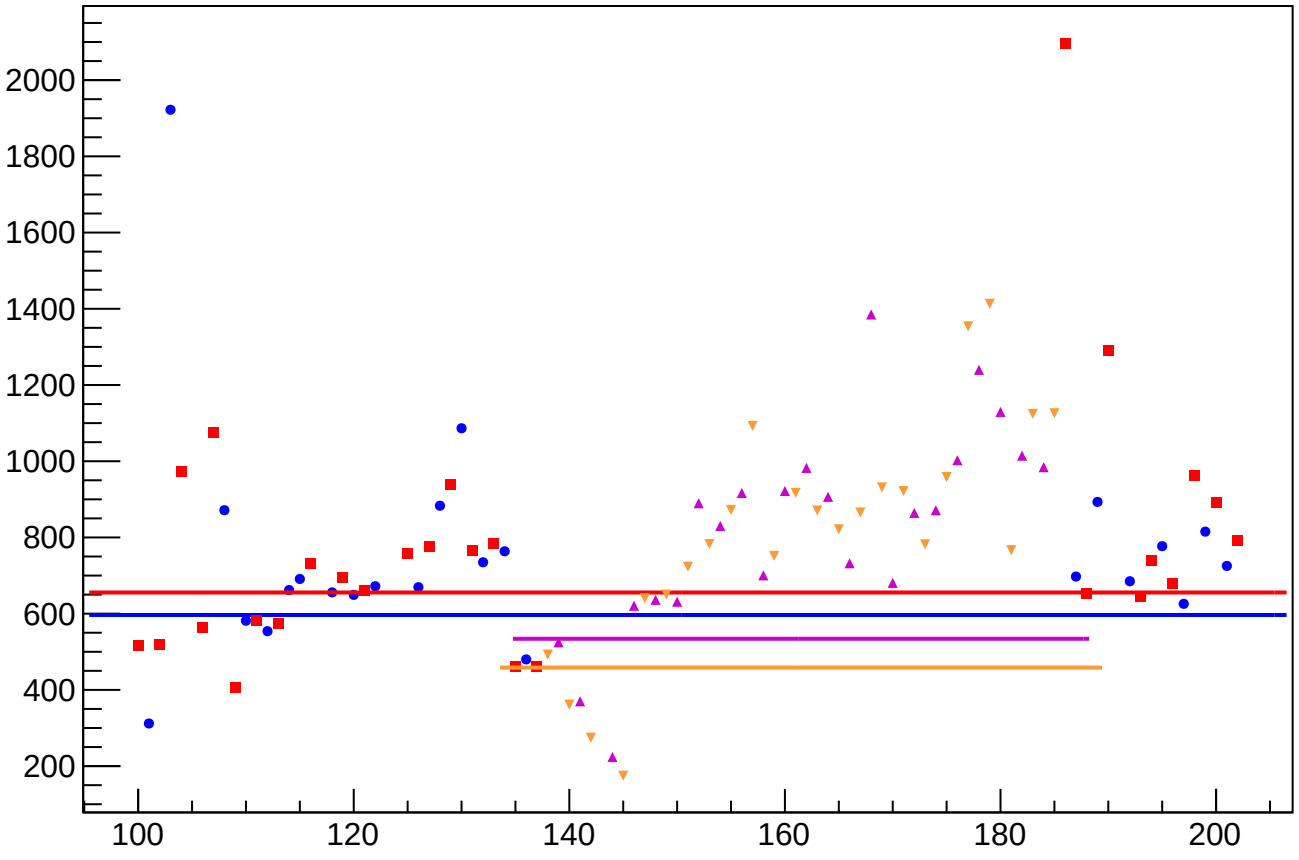
Right Out: 214.381+/-187.778 χ^2/NDF: 30.0/26

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

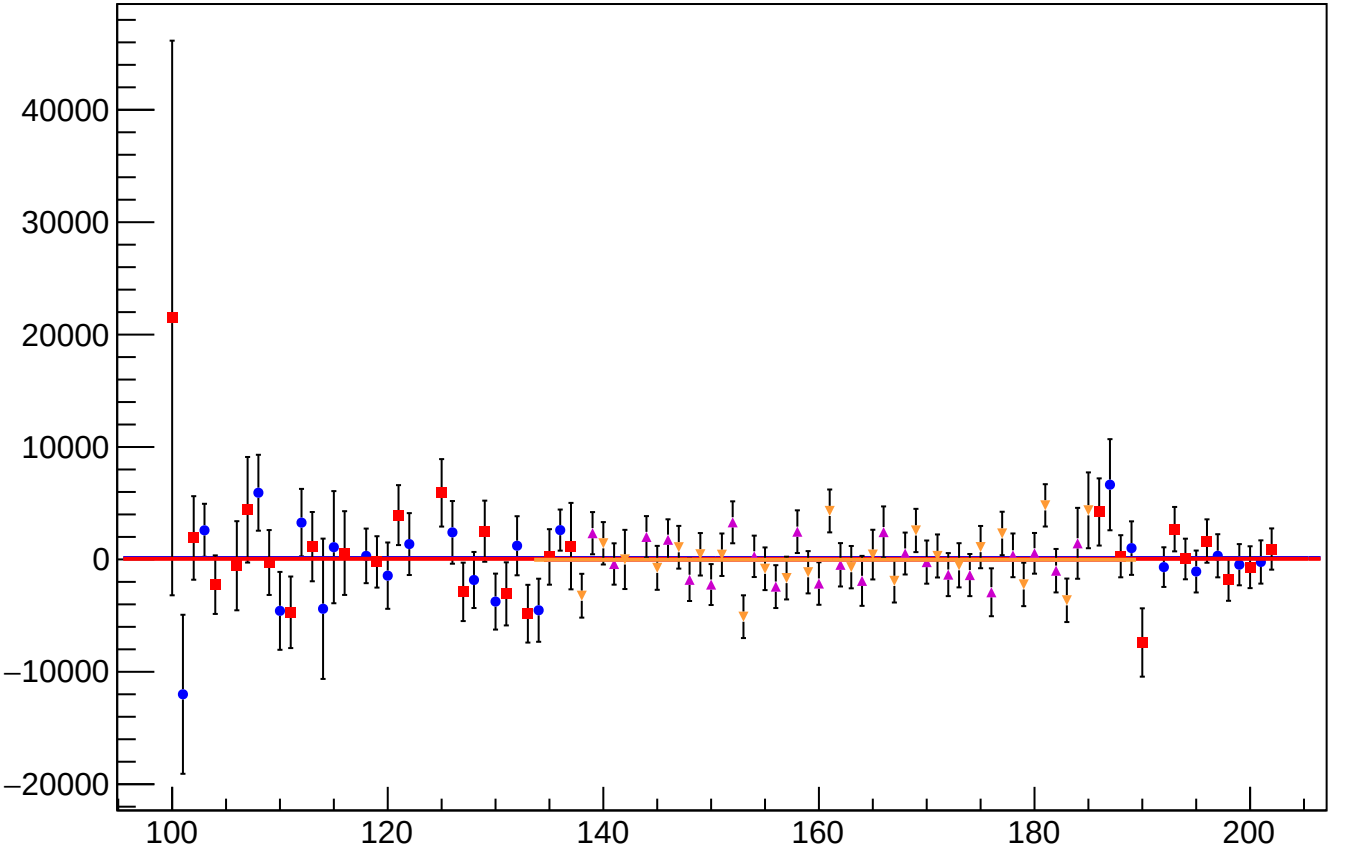
+ sign 82.513+/-106.125 χ^2/NDF: 42.5/46

All: 49.019+/-77.653 χ^2/NDF: 91.6/96

- sign 10.420+/-113.925 χ^2/NDF: 48.9/49


asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 596.604+/-0.130 χ²/NDF: 2409874.5/22
Left Out: 458.579+/-0.092 χ²/NDF:11426734.4/23
Right Out: 655.604+/-0.133 χ²/NDF: 1887229.7/26
Left In: 534.161+/-0.101 χ²/NDF:8443293.1/22
+ sign 504.695+/-0.075 χ²/NDF: 14589279.0/46
All: 539.153+/-0.055 χ²/NDF: 25902260.5/96
- sign 578.862+/-0.081 χ²/NDF: 10859144.2/49

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 123.422+/-521.917 χ^2/NDF: 22.9/22

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 52.268+/-490.170 χ^2/NDF: 29.8/26

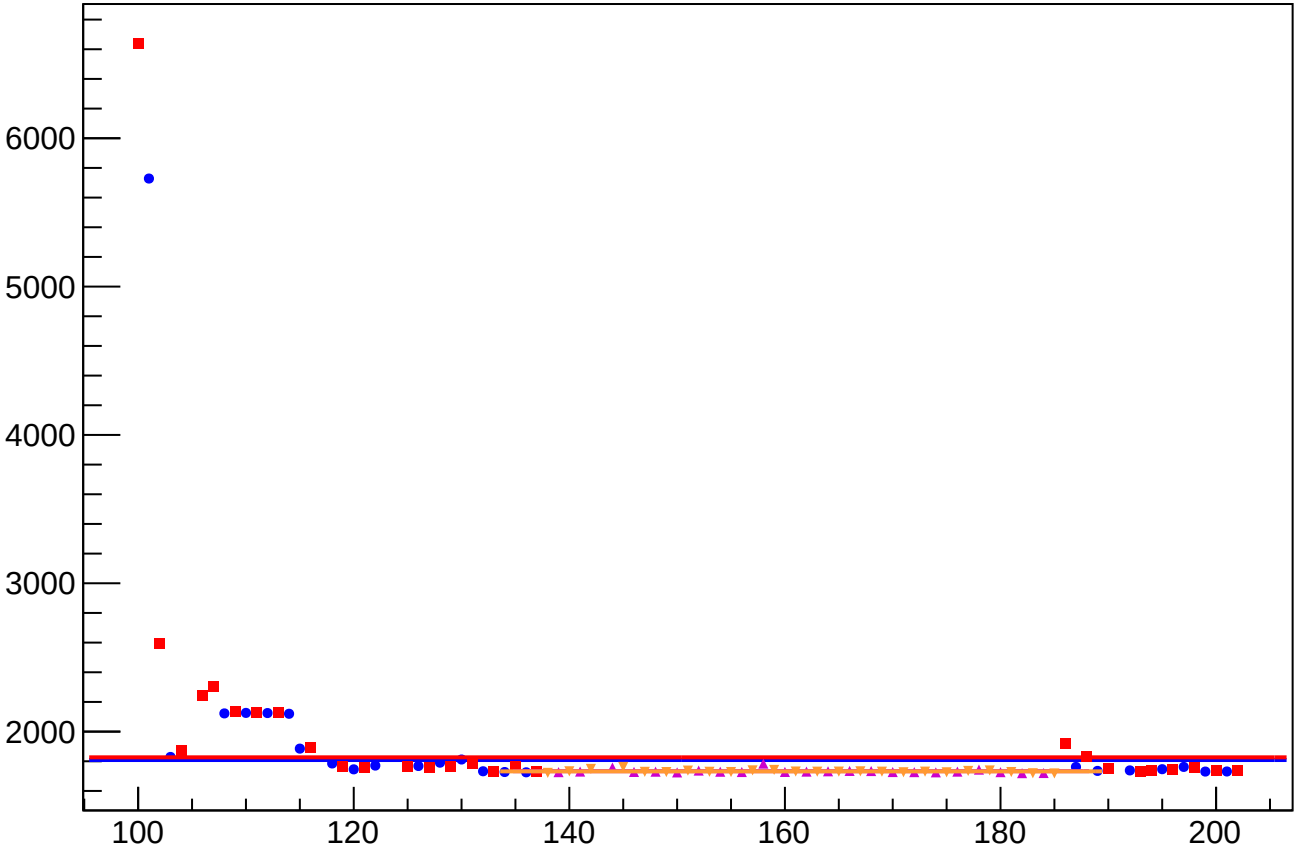
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

\+ sign 24.146+/-318.465 χ^2/NDF: 58.4/46

All: 6.646+/-222.897 χ^2/NDF: 107.6/96

\- sign -10.159+/-312.079 χ^2/NDF: 49.2/49

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1808.420+/-0.369 χ^2/NDF: 701016.0/22

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

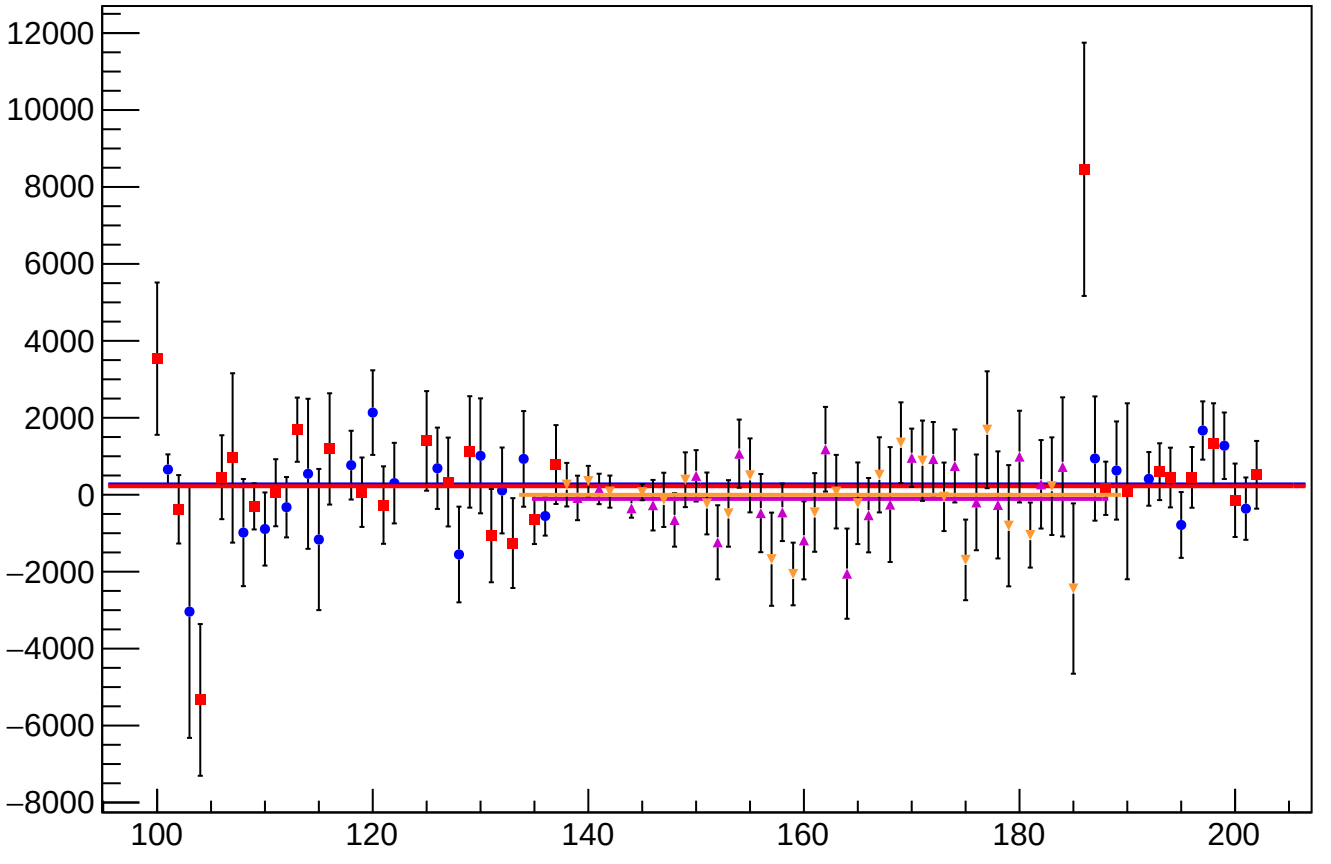
Right Out: 1826.558+/-0.347 χ^2/NDF: 305934.7/26

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1760.444+/-0.225 χ^2/NDF: 728877.8/46

All: 1765.886+/-0.158 χ^2/NDF: 1081222.6/96

- sign 1771.112+/-0.221 χ^2/NDF: 351200.0/49



Right In: 267.922+/-183.556 χ^2/NDF: 21.3/22

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

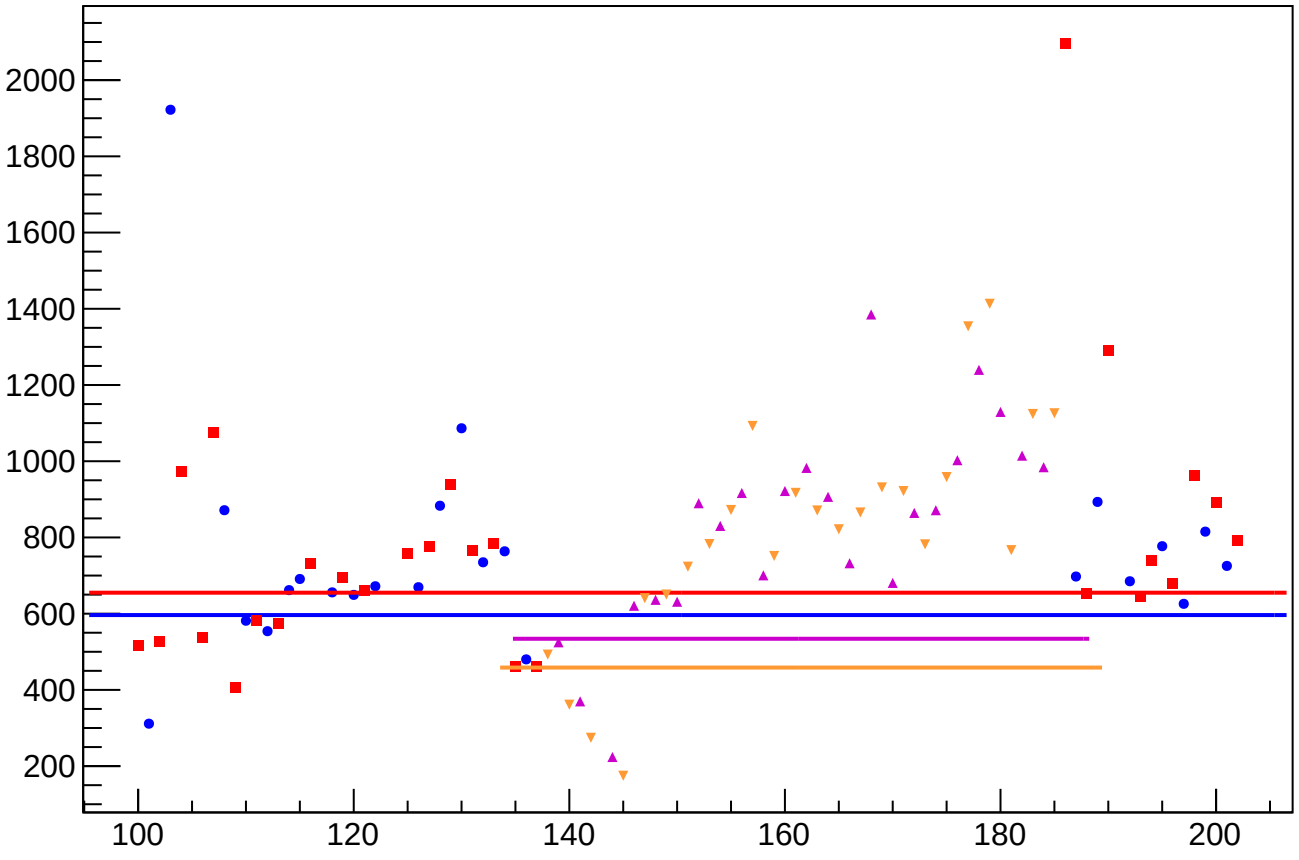
Right Out: 221.130+/-187.751 χ^2/NDF: 30.0/26

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 87.862+/-106.118 χ^2/NDF: 43.0/46

All: 53.057+/-77.648 χ^2/NDF: 92.2/96

- sign 12.945+/-113.919 χ^2/NDF: 48.9/49



Right In: 596.360+/-0.130 χ^2/NDF: 2415819.2/22

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 655.051+/-0.133 χ^2/NDF: 1892587.8/26

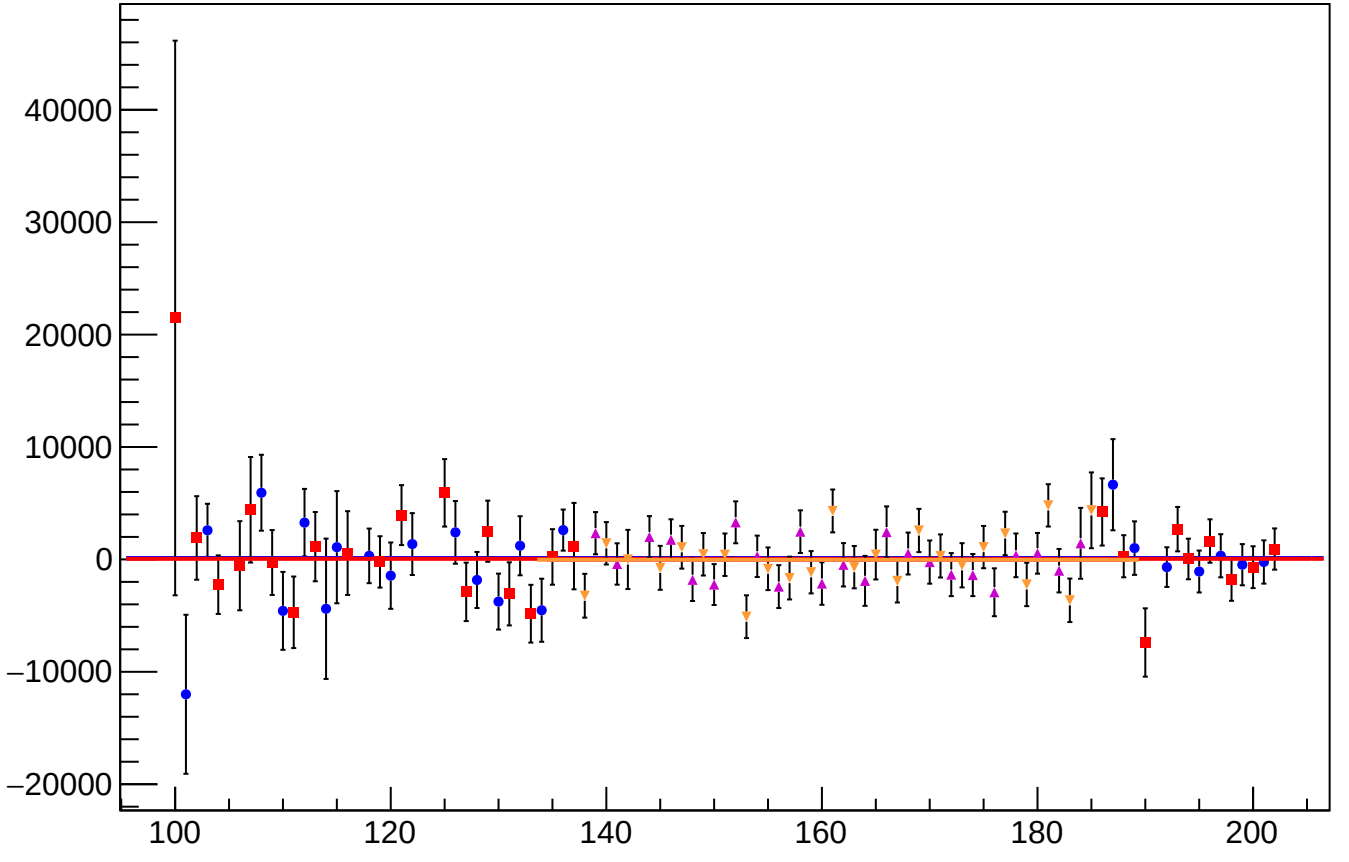
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 504.635+/-0.075 χ^2/NDF: 14592261.9/46

All: 539.032+/-0.055 χ^2/NDF: 25903802.5/96

- sign 578.672+/-0.081 χ^2/NDF: 10859248.7/49

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 123.422+/-521.917 χ^2/NDF: 22.9/22

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 52.268+/-490.170 χ^2/NDF: 29.8/26

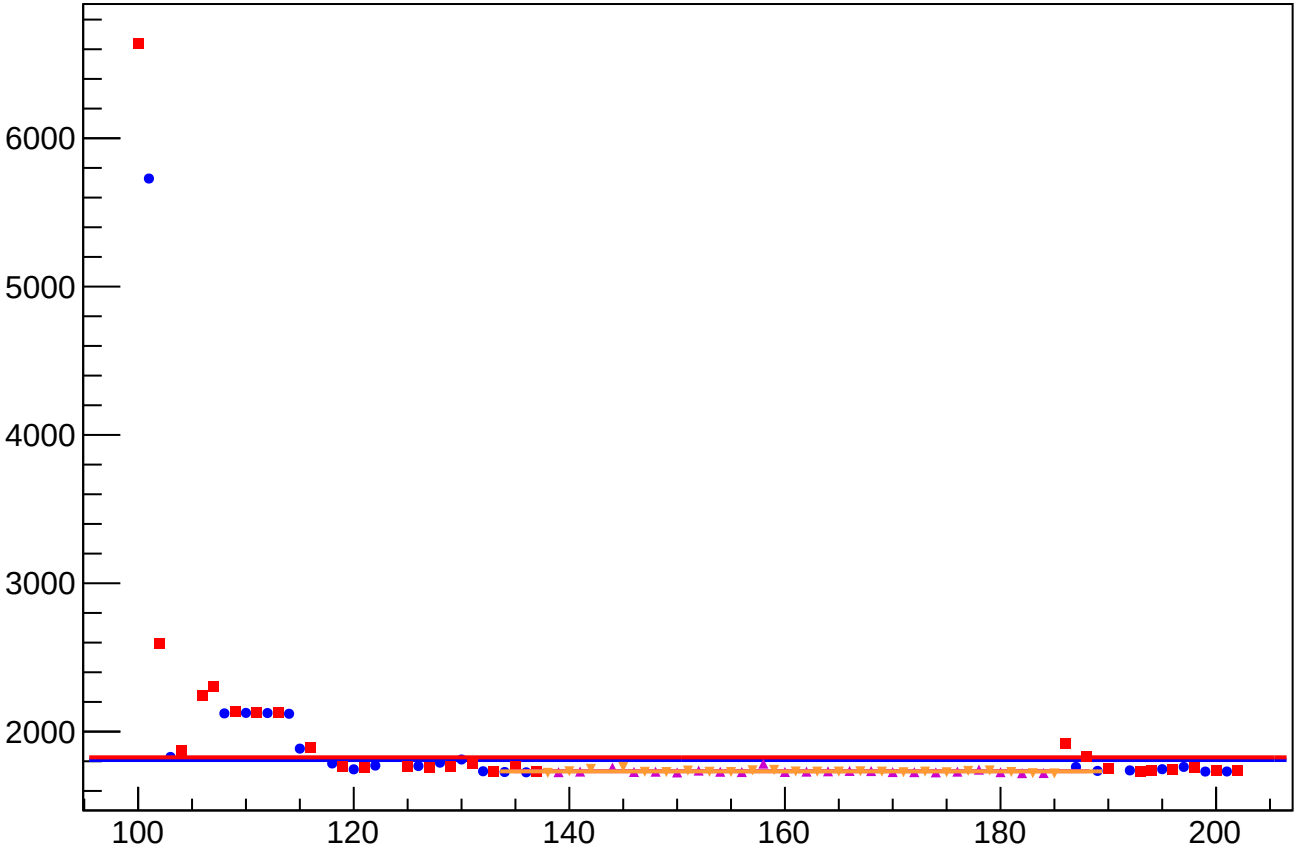
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 24.146+/-318.465 χ^2/NDF: 58.4/46

All: 6.646+/-222.897 χ^2/NDF: 107.6/96

- sign -10.159+/-312.079 χ^2/NDF: 49.2/49

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1808.420+/-0.369 χ^2/NDF: 701016.0/22

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

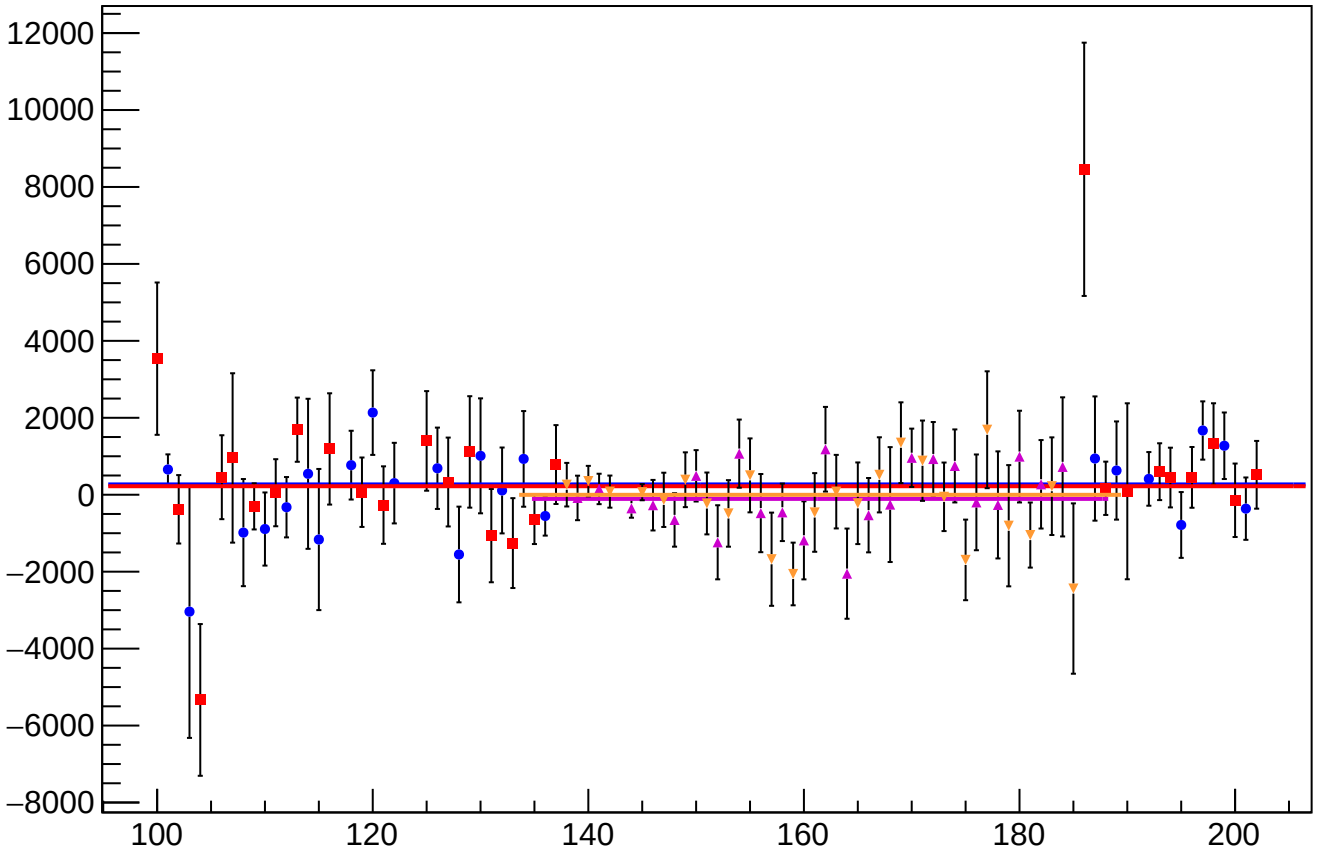
Right Out: 1826.558+/-0.347 χ^2/NDF: 305934.7/26

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1760.444+/-0.225 χ^2/NDF: 728877.8/46

All: 1765.886+/-0.158 χ^2/NDF: 1081222.6/96

- sign 1771.112+/-0.221 χ^2/NDF: 351200.0/49



Right In: 267.922+/-183.556 χ^2/NDF: 21.3/22

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

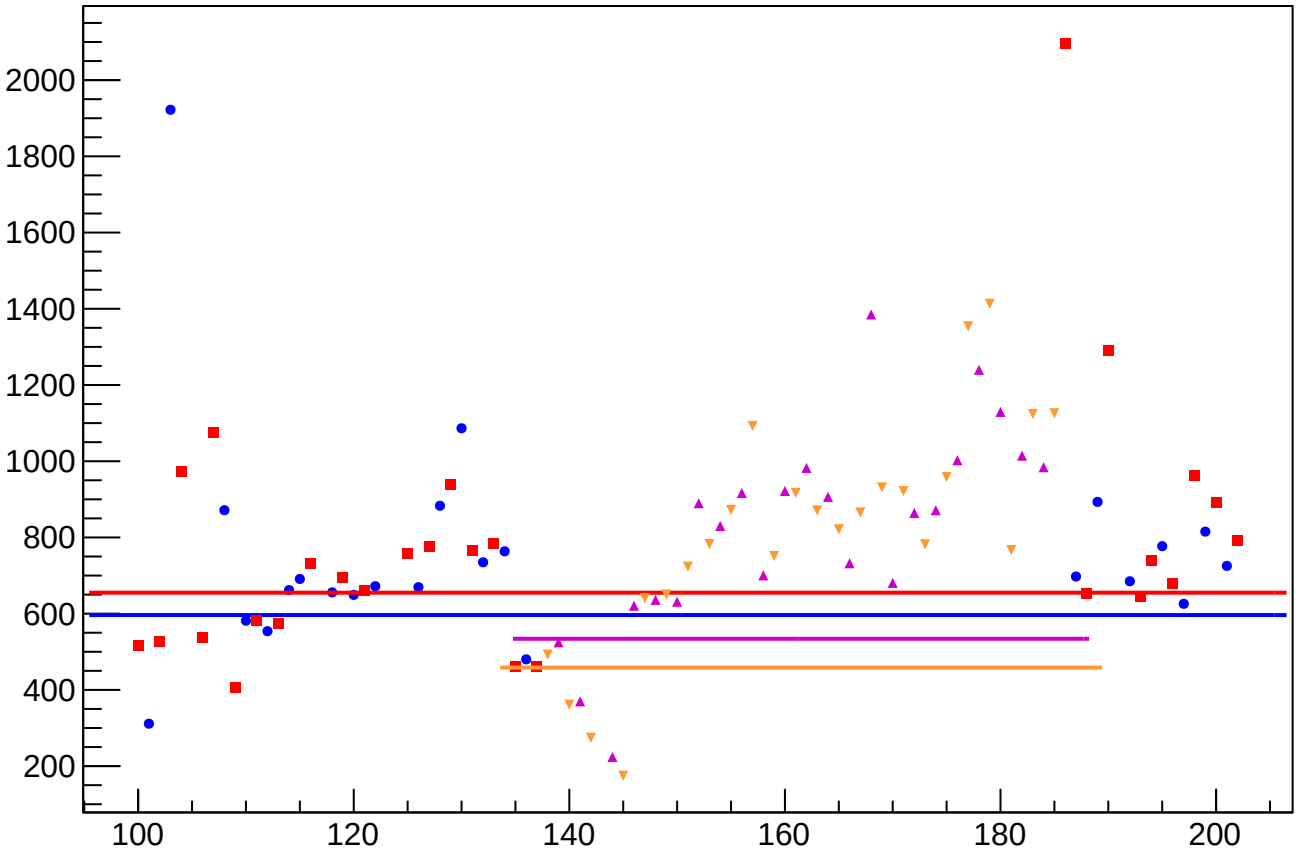
Right Out: 221.130+/-187.751 χ^2/NDF: 30.0/26

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 87.862+/-106.118 χ^2/NDF: 43.0/46

All: 53.057+/-77.648 χ^2/NDF: 92.2/96

- sign 12.945+/-113.919 χ^2/NDF: 48.9/49



Right In: 596.360+/-0.130 χ^2/NDF: 2415819.2/22

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 655.051+/-0.133 χ^2/NDF: 1892587.8/26

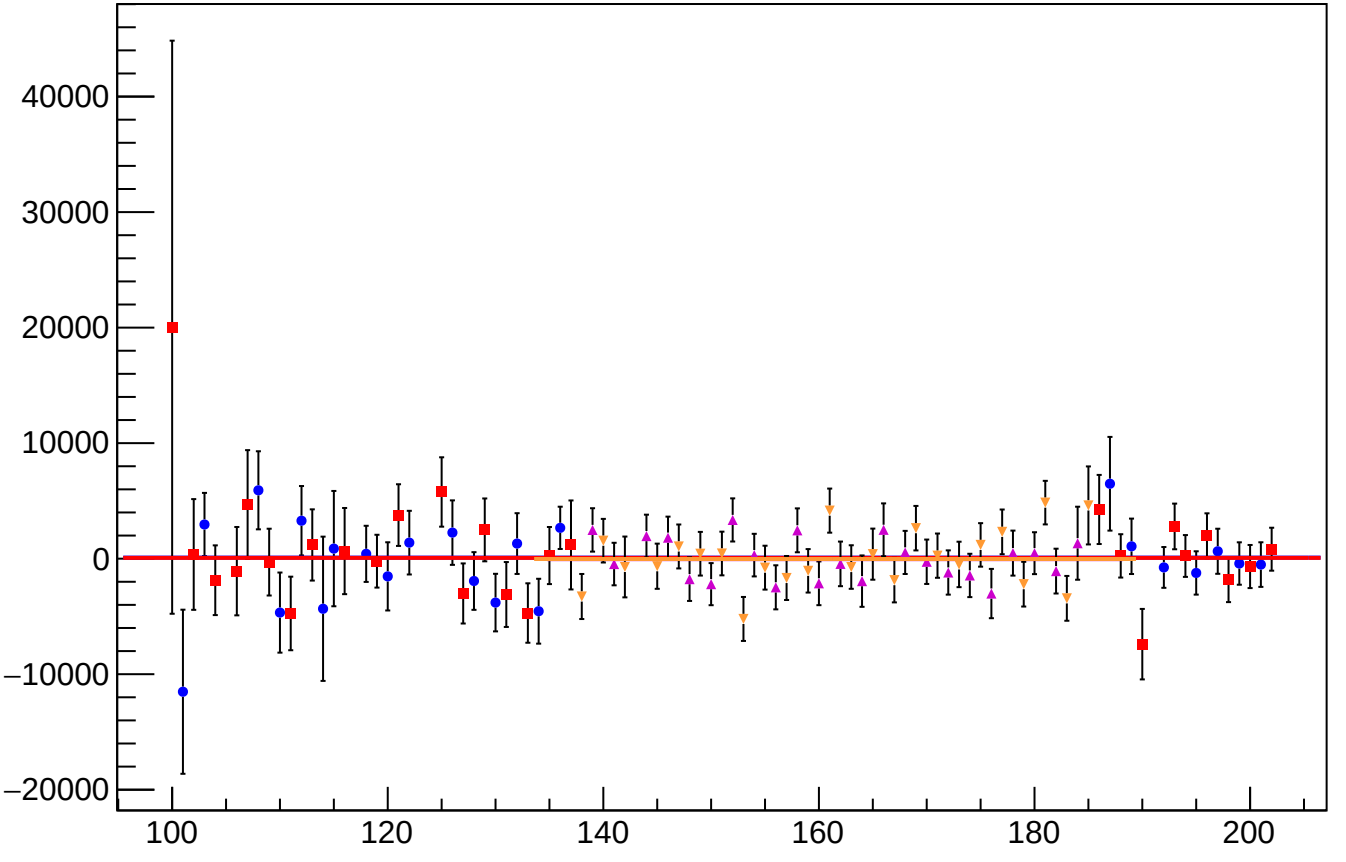
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 504.635+/-0.075 χ^2/NDF: 14592261.9/46

All: 539.032+/-0.055 χ^2/NDF: 25903802.5/96

- sign 578.672+/-0.081 χ^2/NDF: 10859248.7/49

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 91.545+/-526.741 χ^2/NDF: 23.1/22

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 68.953+/-495.484 χ^2/NDF: 29.3/26

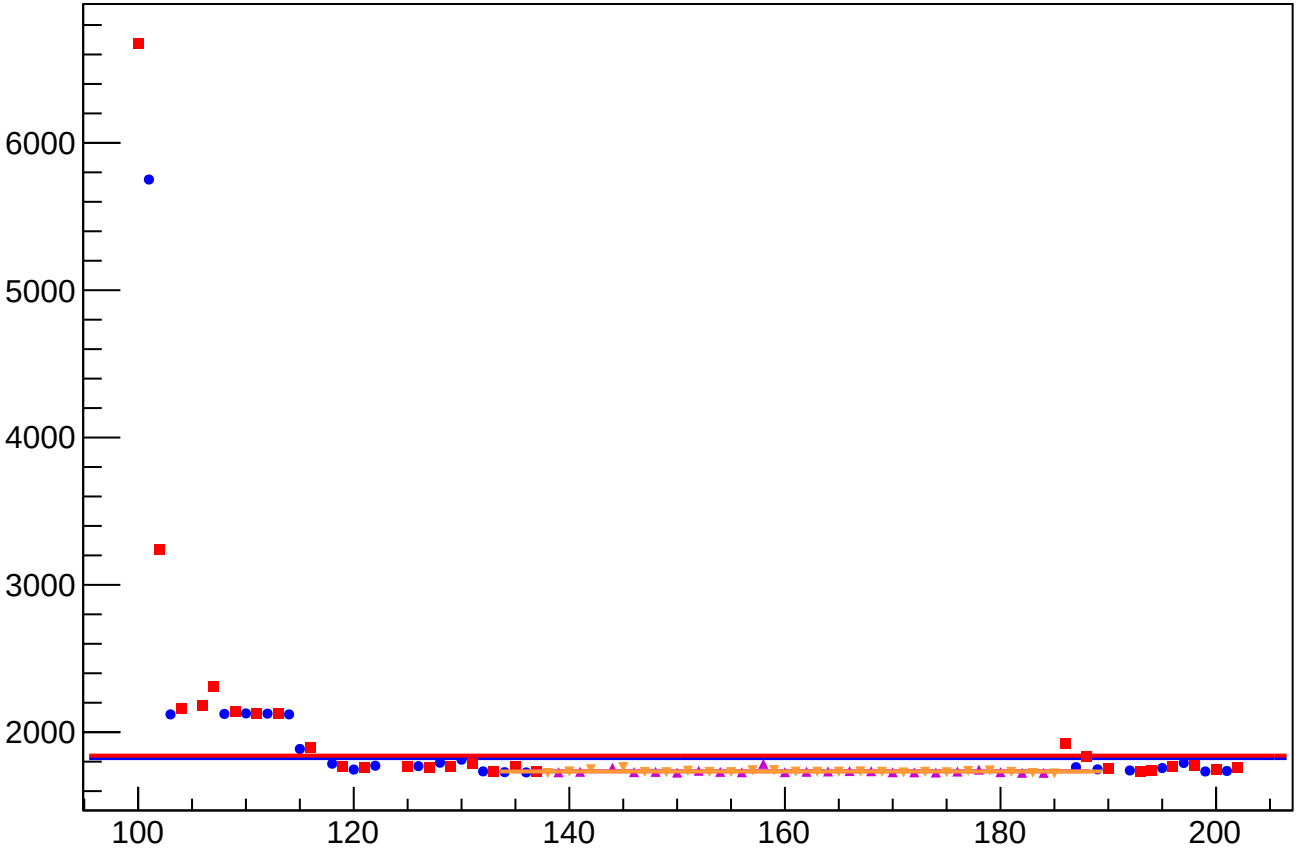
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 15.168+/-319.726 χ^2/NDF: 58.6/46

All: 8.542+/-223.883 χ^2/NDF: 107.7/96

- sign 2.167+/-313.599 χ^2/NDF: 49.2/49

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1824.205+/-0.372 χ^2/NDF: 724035.7/22

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

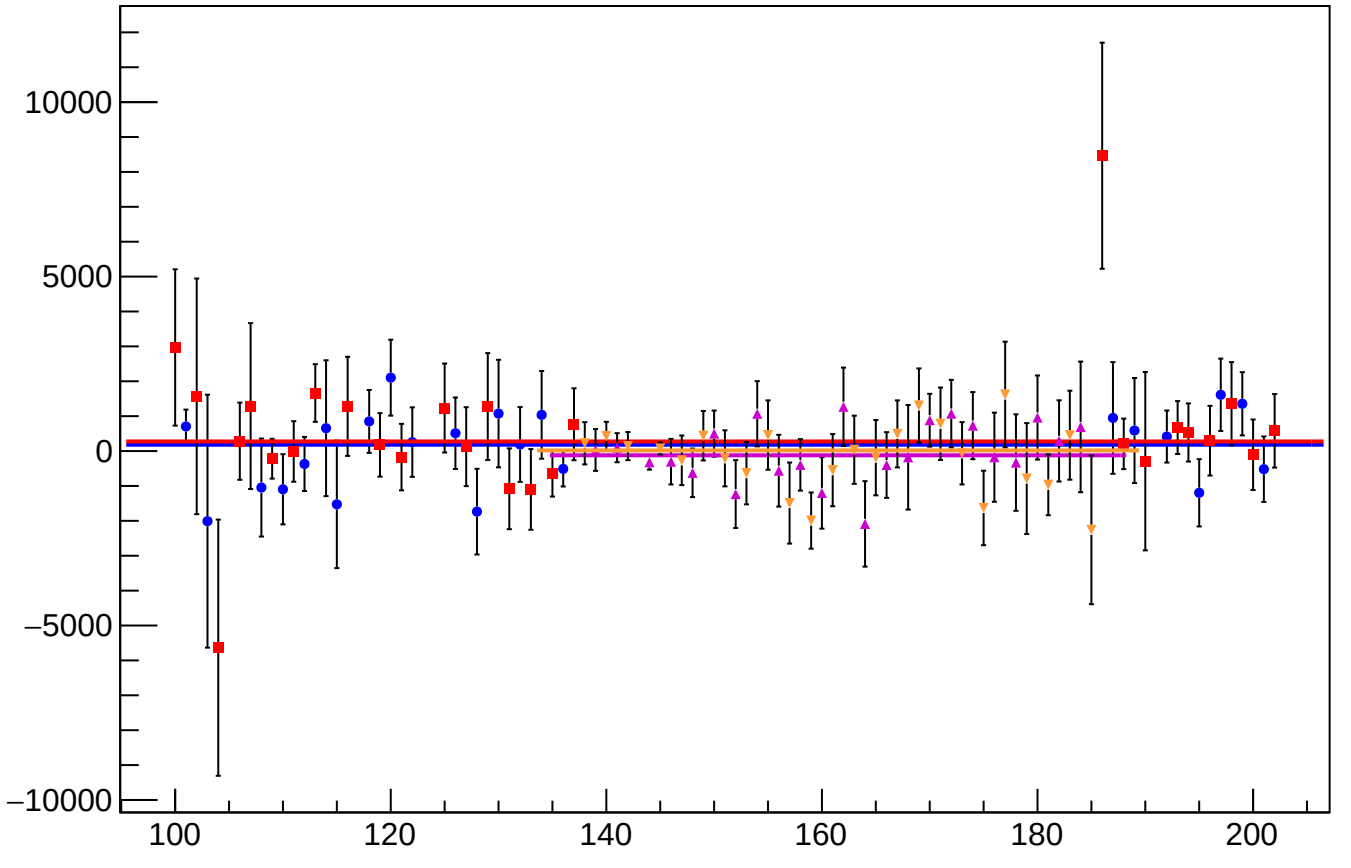
Right Out: 1840.937+/-0.350 χ^2/NDF: 405725.7/26

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1766.905+/-0.226 χ^2/NDF: 762410.0/46

All: 1772.215+/-0.158 χ^2/NDF: 1226392.5/96

- sign 1777.323+/-0.222 χ^2/NDF: 462900.3/49



Right In: 182.105+/-197.588 χ^2/NDF: 20.8/22

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

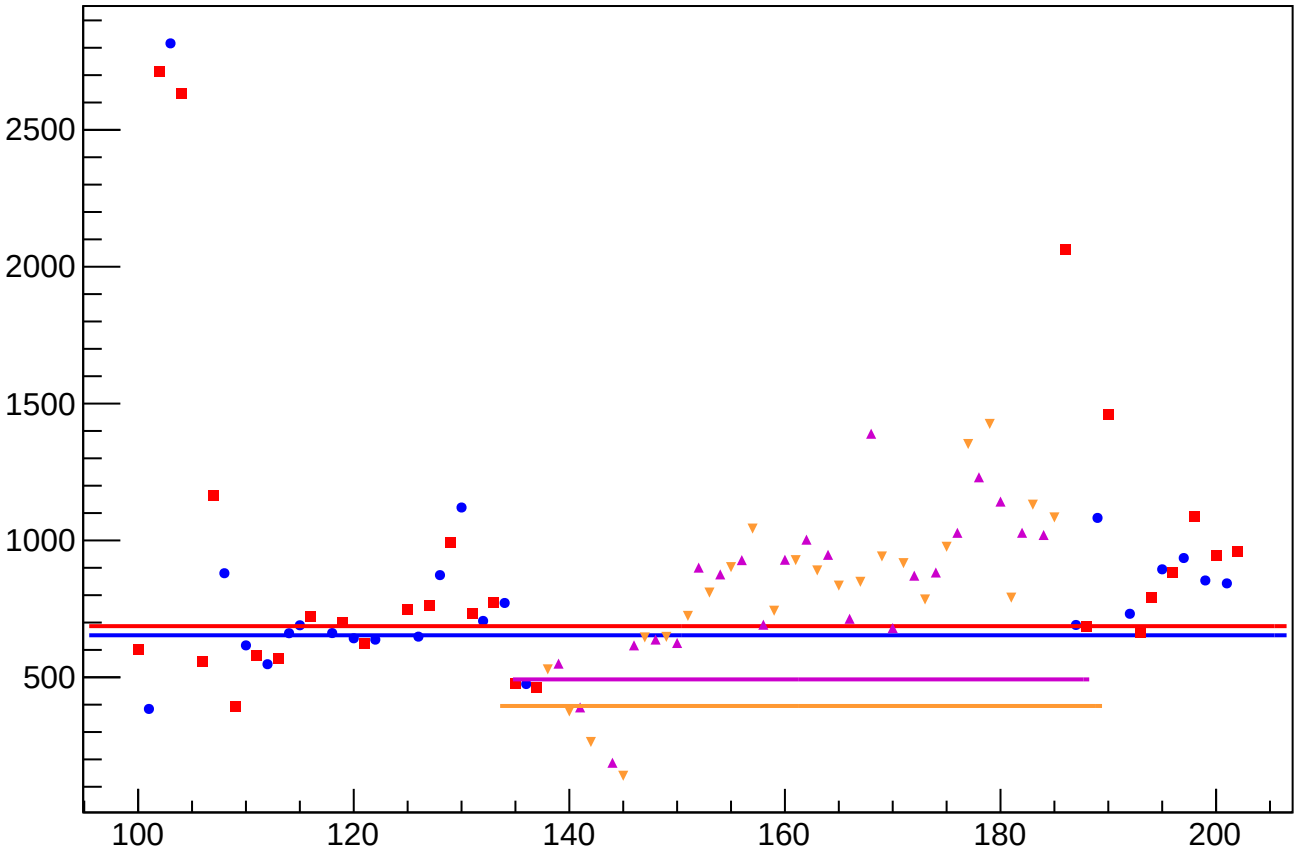
Right Out: 275.094+/-198.182 χ^2/NDF: 22.5/26

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 61.880+/-102.149 χ^2/NDF: 40.8/46

All: 37.053+/-75.710 χ^2/NDF: 82.6/96

- sign 6.791+/-112.778 χ^2/NDF: 41.7/49



Right In: 653.475+/-0.140 χ^2/NDF: 2581317.5/22

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 686.858+/-0.140 χ^2/NDF: 3556154.2/26

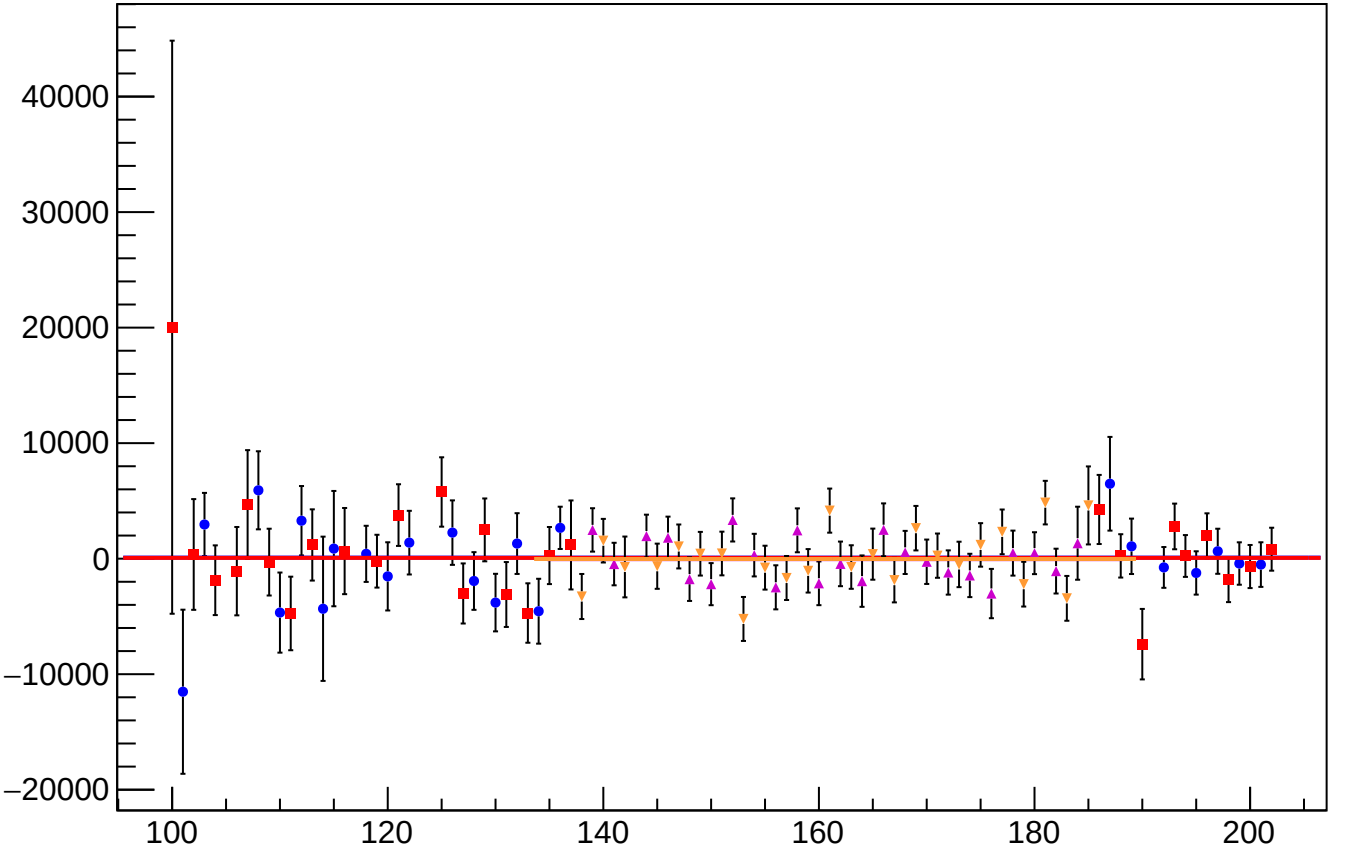
Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 464.220+/-0.072 χ^2/NDF: 19419879.7/46

All: 505.267+/-0.054 χ^2/NDF: 35415524.1/96

- sign 555.300+/-0.080 χ^2/NDF: 15279061.9/49

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 91.544+/-526.741 χ^2/NDF: 23.1/22

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 68.953+/-495.484 χ^2/NDF: 29.3/26

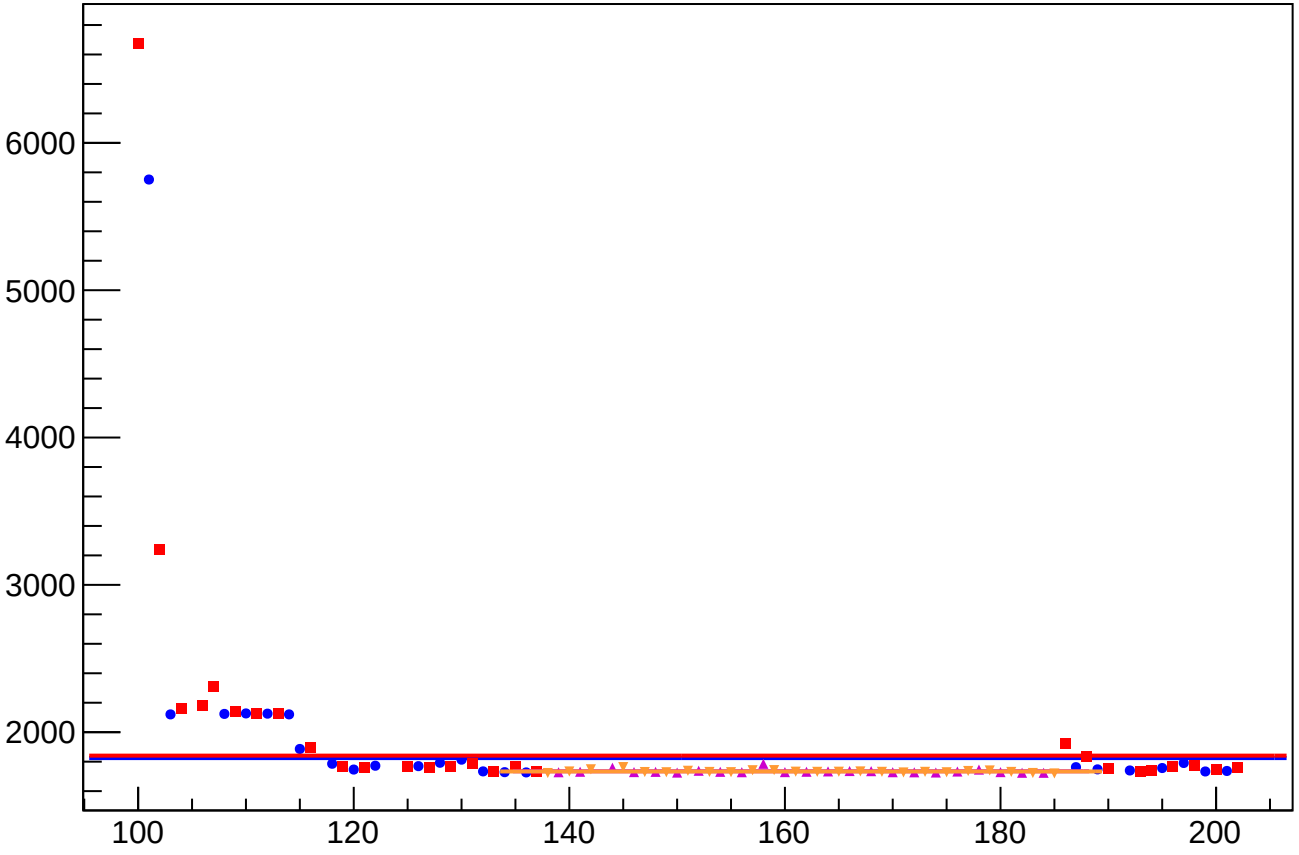
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 15.165+/-319.726 χ^2/NDF: 58.6/46

All: 8.541+/-223.883 χ^2/NDF: 107.7/96

- sign 2.167+/-313.599 χ^2/NDF: 49.2/49

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1824.204+/-0.372 χ^2/NDF: 724035.3/22

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

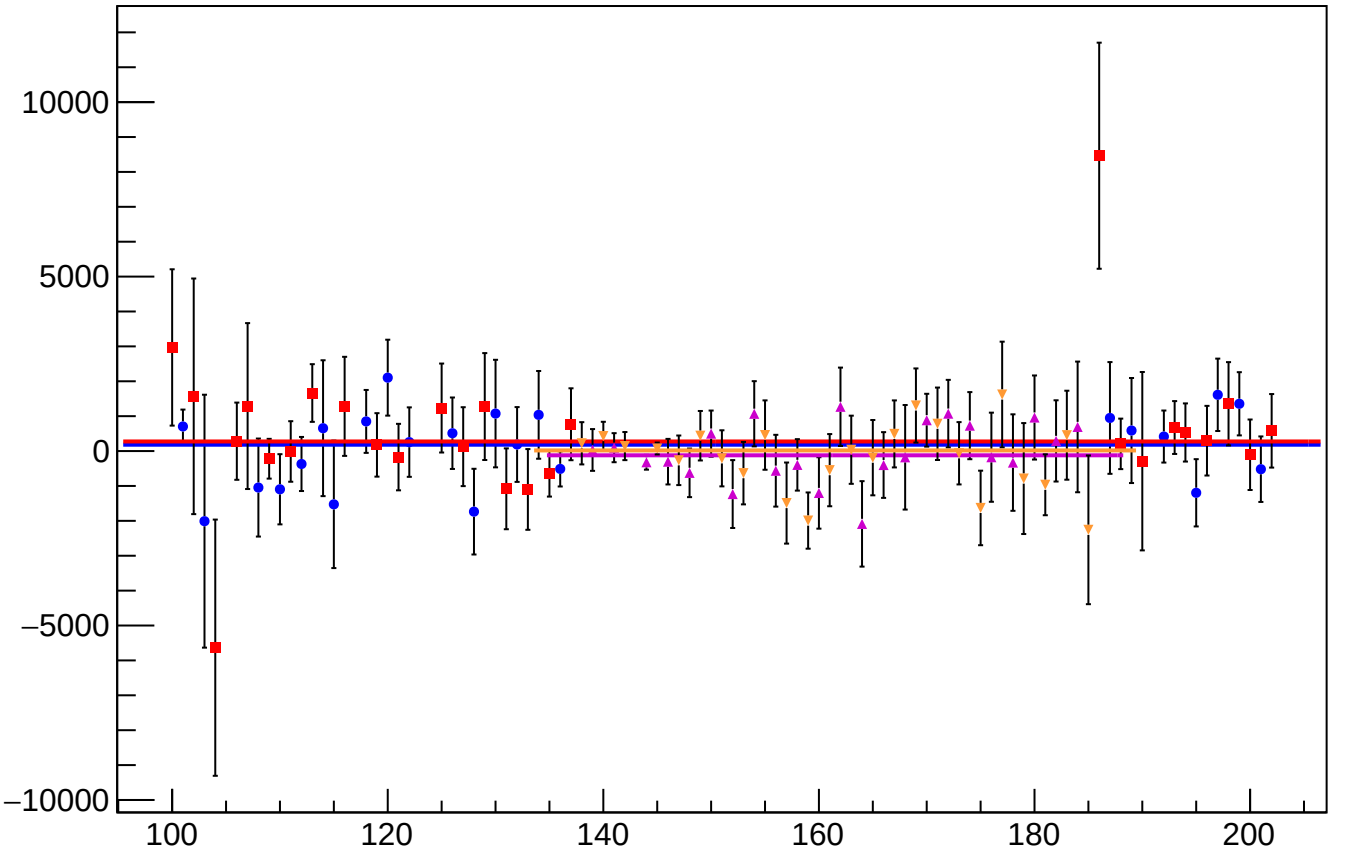
Right Out: 1840.937+/-0.350 χ^2/NDF: 405724.8/26

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1766.905+/-0.226 χ^2/NDF: 762409.6/46

All: 1772.215+/-0.158 χ^2/NDF: 1226391.2/96

- sign 1777.323+/-0.222 χ^2/NDF: 462899.4/49



Right In: 182.103+/-197.587 χ^2/NDF: 20.8/22

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

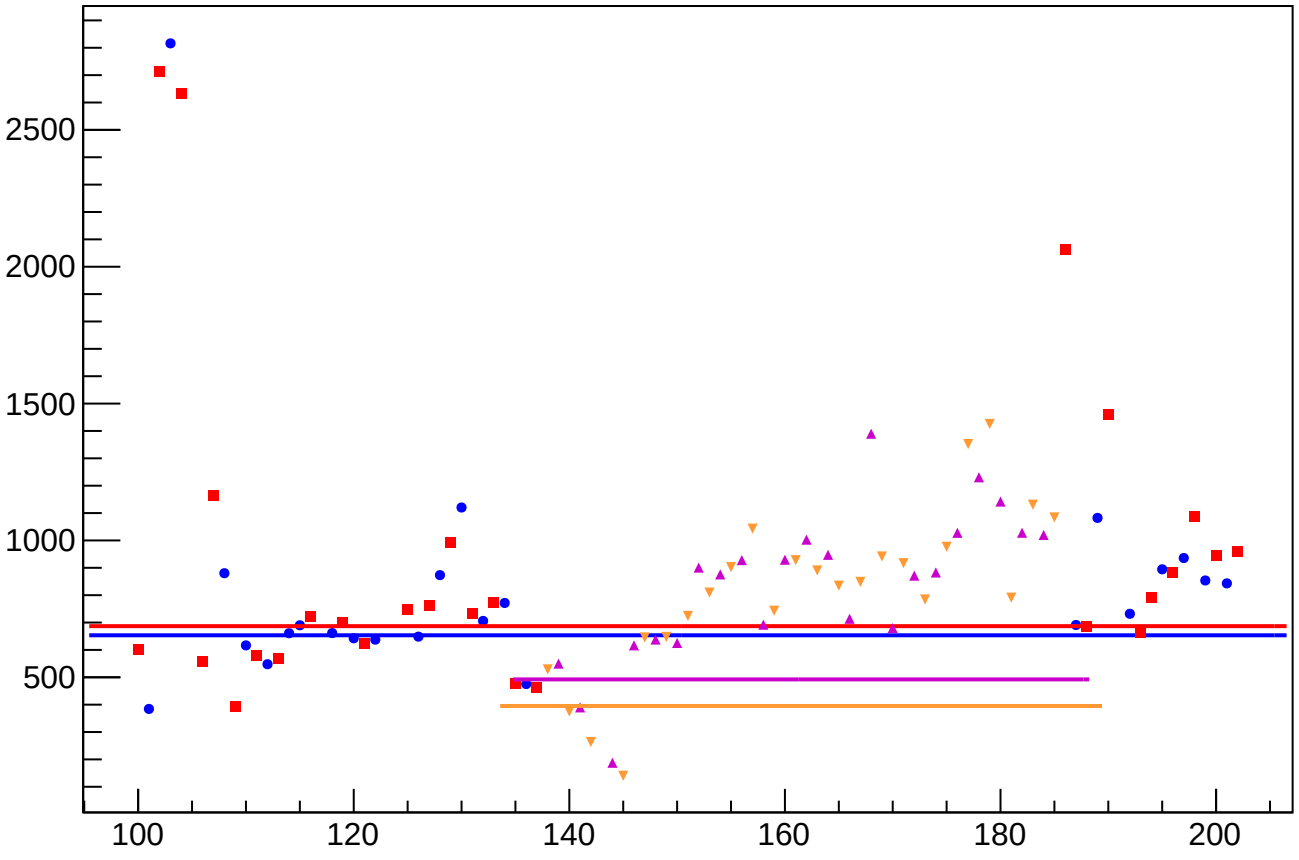
Right Out: 275.091+/-198.181 χ^2/NDF: 22.5/26

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 61.878+/-102.149 χ^2/NDF: 40.8/46

All: 37.052+/-75.710 χ^2/NDF: 82.6/96

- sign 6.790+/-112.778 χ^2/NDF: 41.7/49



Right In: 653.473+/-0.140 χ^2/NDF: 2581321.4/22

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 686.854+/-0.140 χ^2/NDF: 3556195.9/26

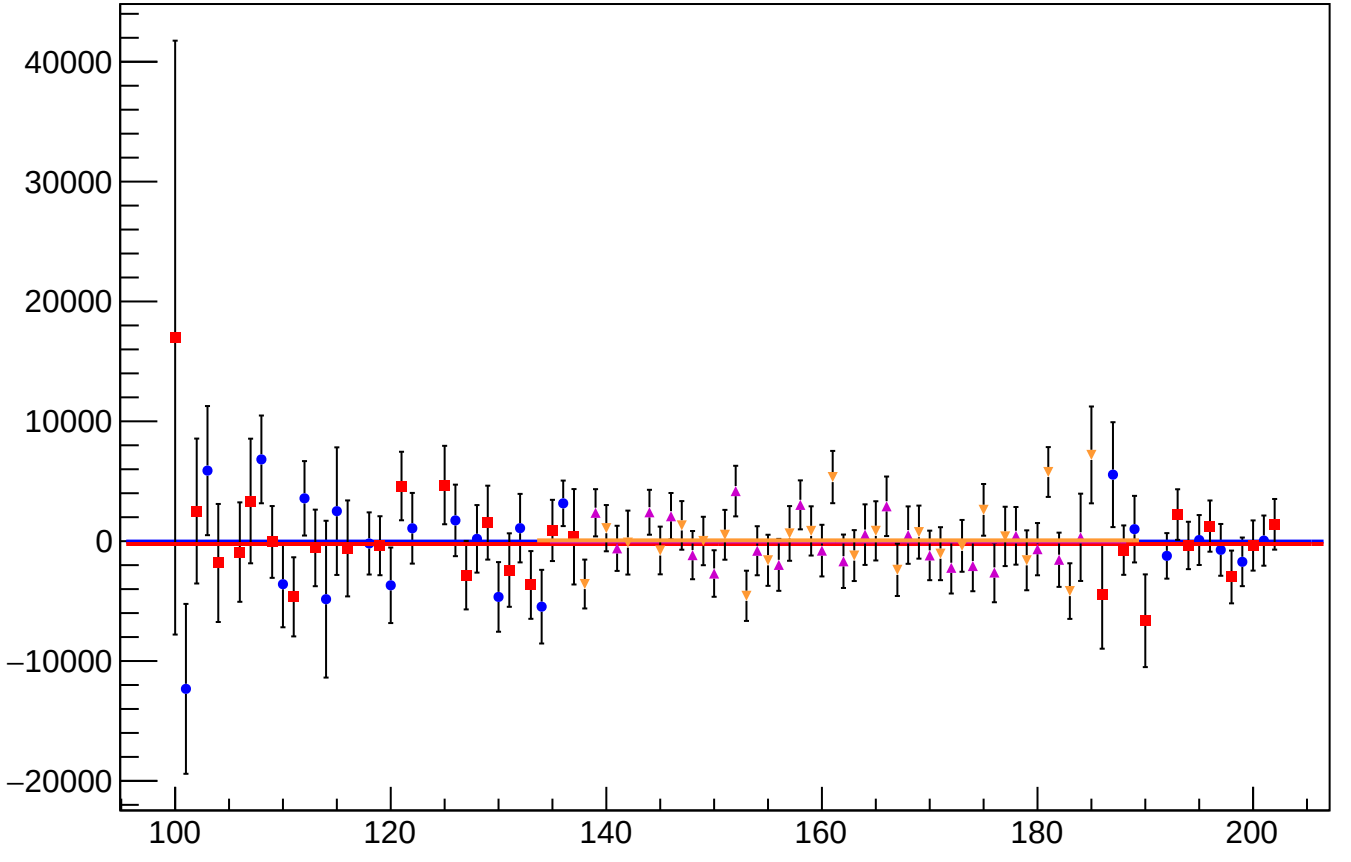
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 464.220+/-0.072 χ^2/NDF: 19419900.2/46

All: 505.267+/-0.054 χ^2/NDF: 35415552.4/96

- sign 555.300+/-0.080 χ^2/NDF: 15279072.2/49

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: -34.798+/-580.234 χ^2/NDF: 24.3/22

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -235.975+/-550.887 χ^2/NDF: 19.3/26

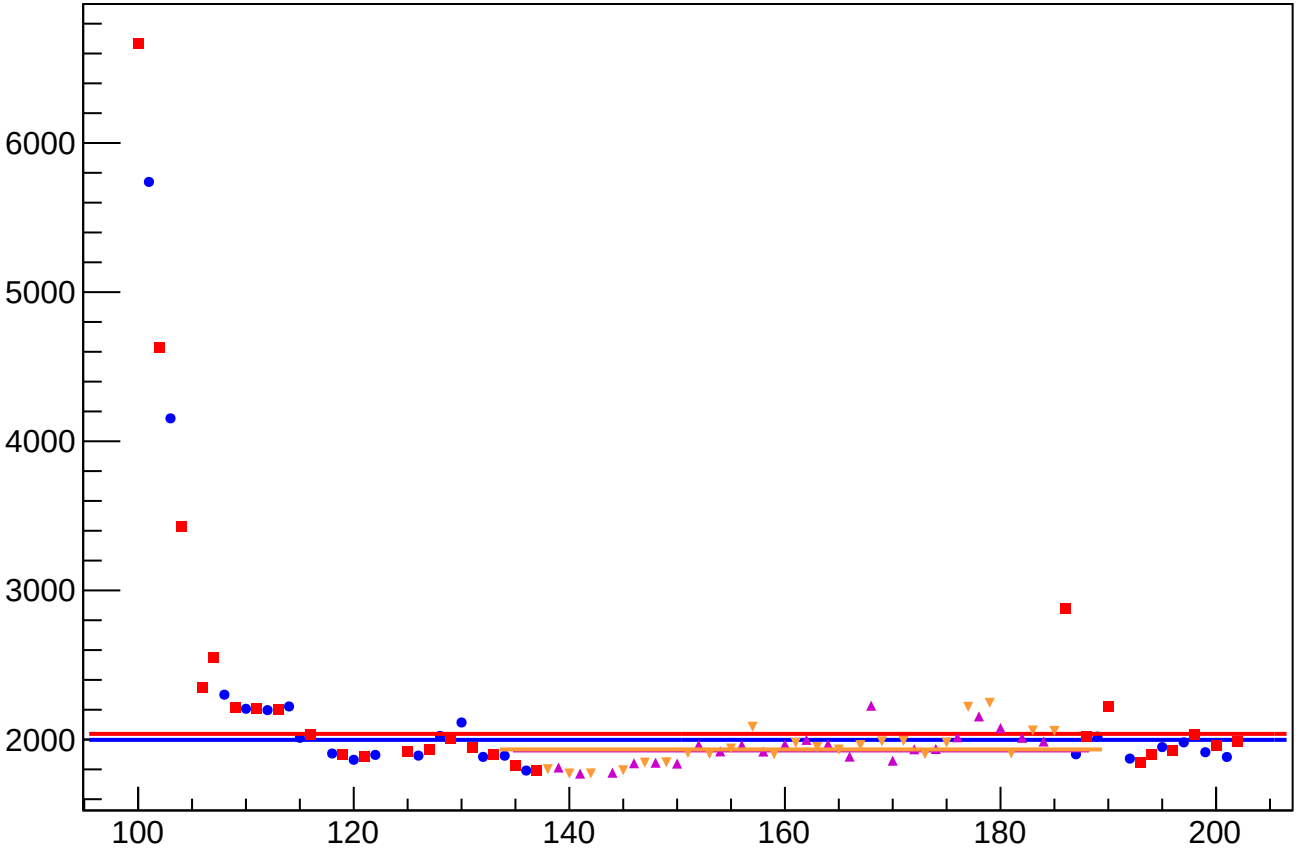
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 28.582+/-355.469 χ^2/NDF: 57.9/46

All: -41.985+/-248.984 χ^2/NDF: 97.3/96

- sign -109.950+/-348.856 χ^2/NDF: 39.3/49

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1997.951+/-0.410 χ^2/NDF: 972372.6/22

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

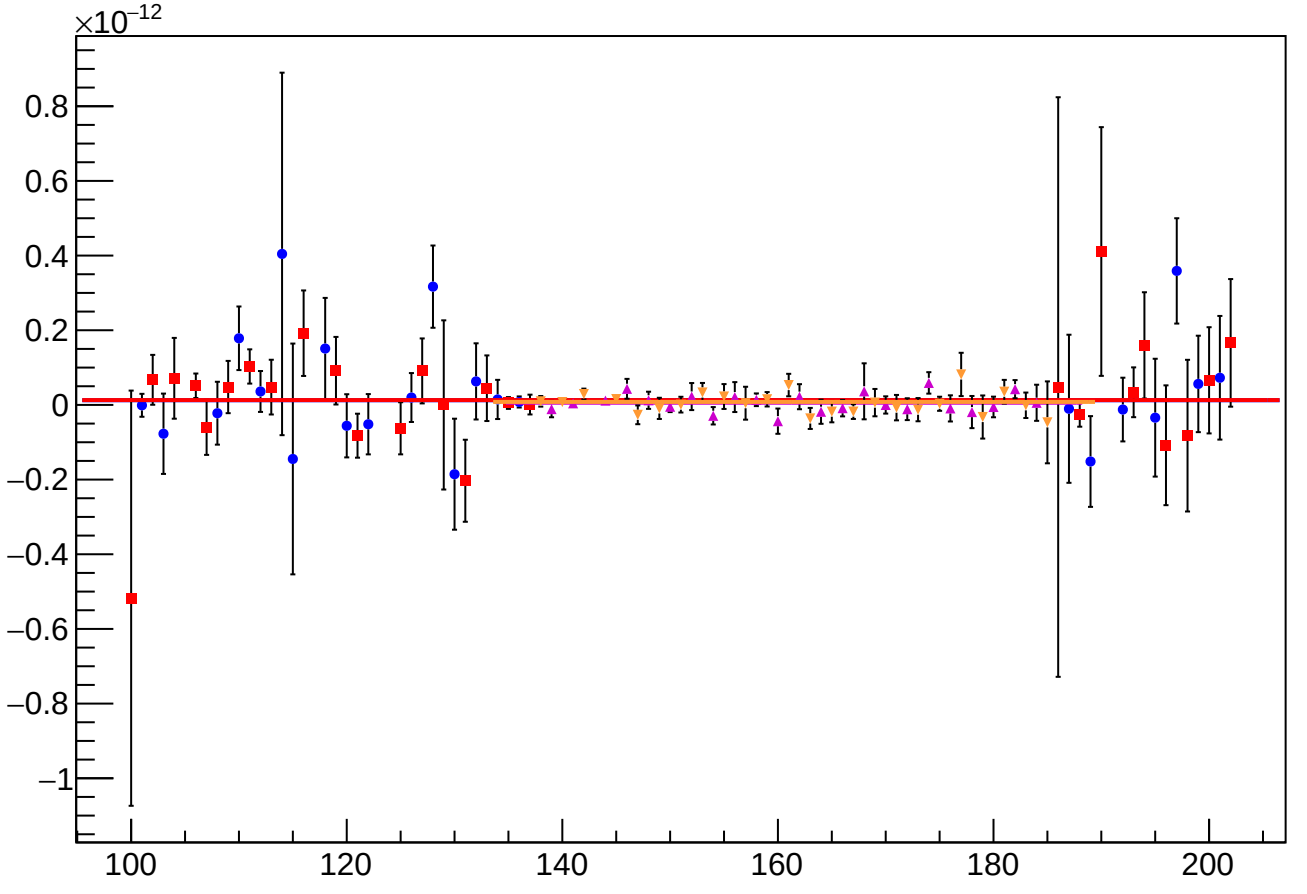
Right Out: 2038.061+/-0.390 χ^2/NDF: 800262.5/26

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1957.880+/-0.251 χ^2/NDF: 1116174.2/46

All: 1964.875+/-0.176 χ^2/NDF: 2082973.4/96

- sign 1971.613+/-0.247 χ^2/NDF: 965278.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

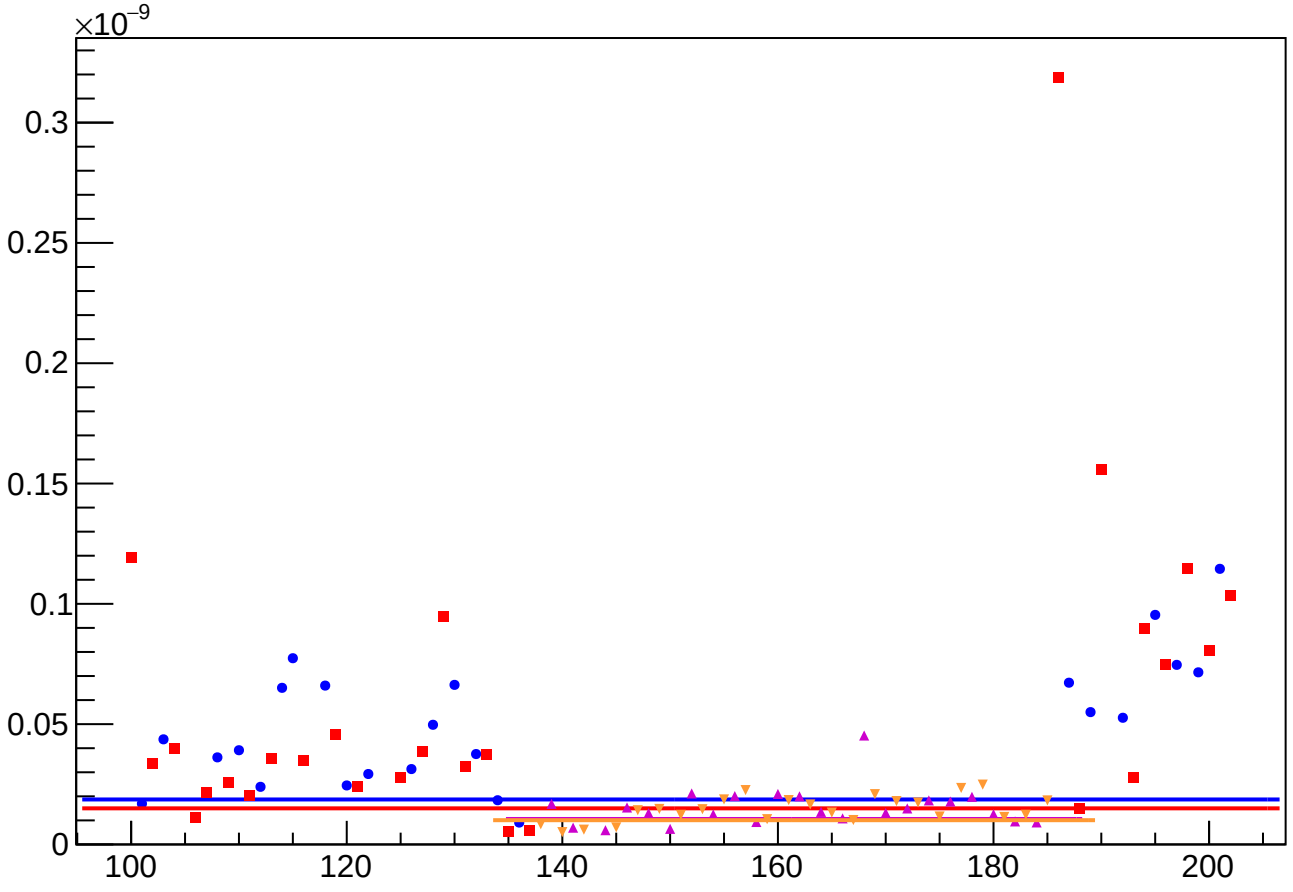
Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/26

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/46

All: 0.000+/-0.000 χ^2/NDF: 87.7/96

- sign 0.000+/-0.000 χ^2/NDF: 43.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 4459428.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

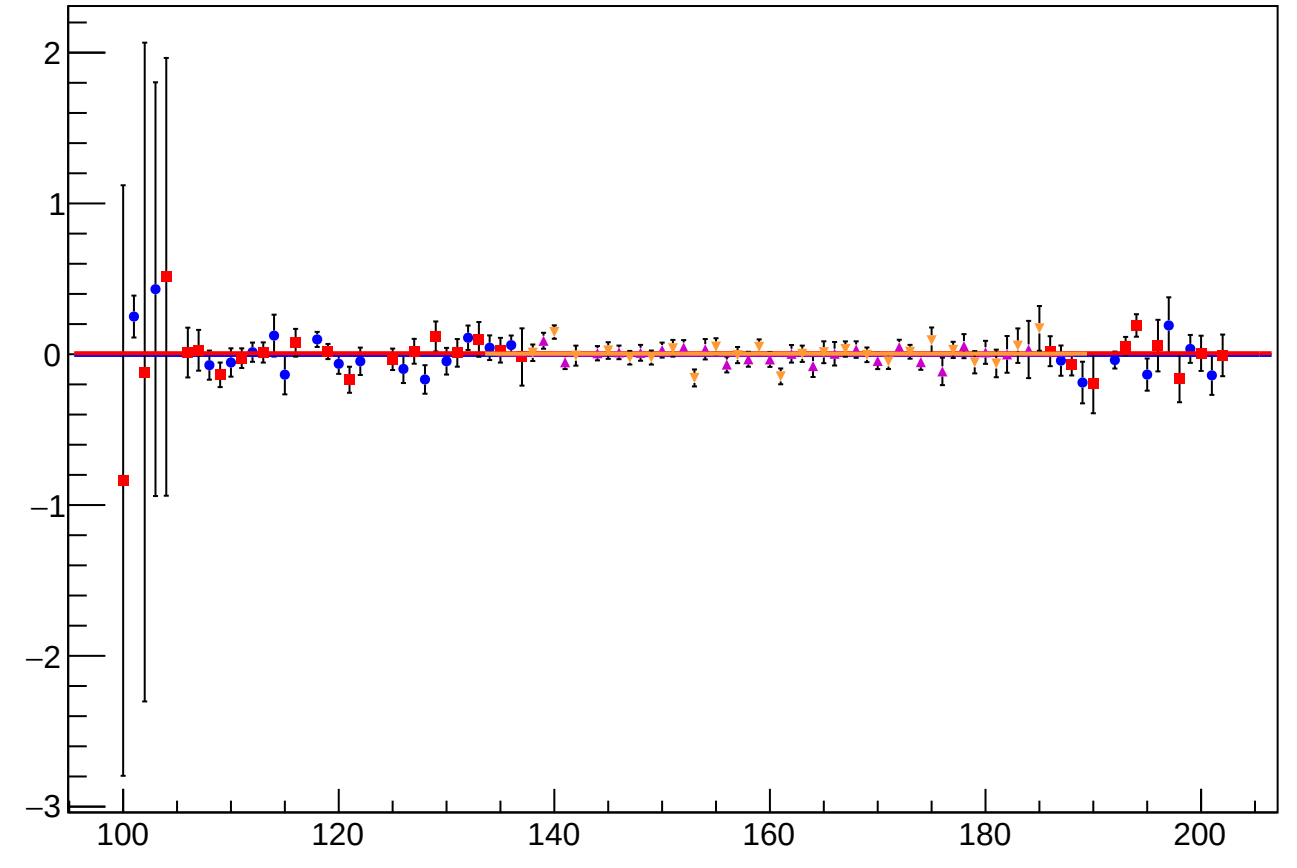
Right Out: 0.000+/-0.000 χ^2/NDF: 5581455.1/26

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7749895.6/46

All: 0.000+/-0.000 χ^2/NDF: 16240224.0/96

- sign 0.000+/-0.000 χ^2/NDF: 8489226.8/49



Right In: -0.005+/-0.018 χ^2/NDF: 25.1/22

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/26

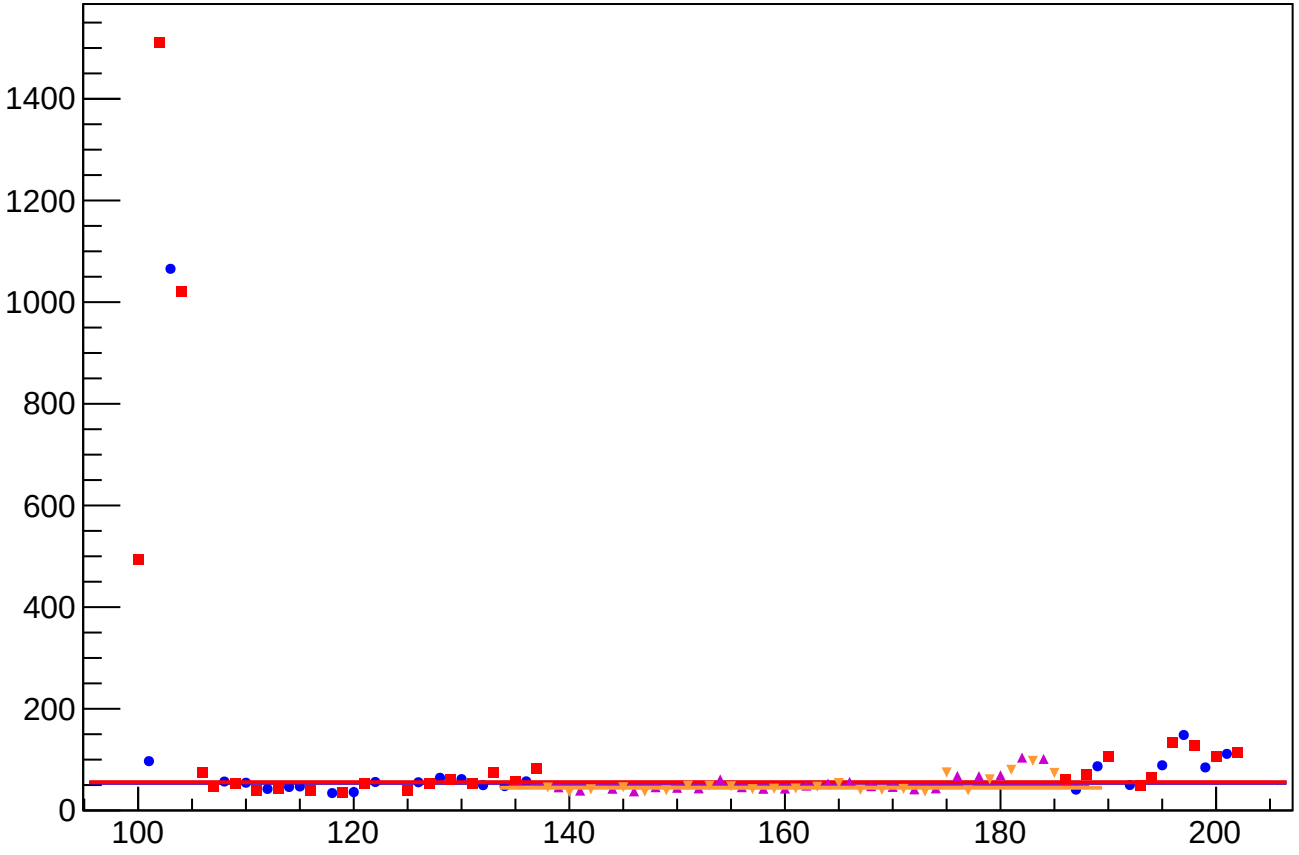
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 60.3/46

All: 0.001+/-0.007 χ^2/NDF: 95.6/96

- sign 0.000+/-0.010 χ^2/NDF: 35.3/49

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 54.432+/-0.013 χ^2/NDF: 3368519.6/22

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.476+/-0.013 χ^2/NDF: 4529055.9/26

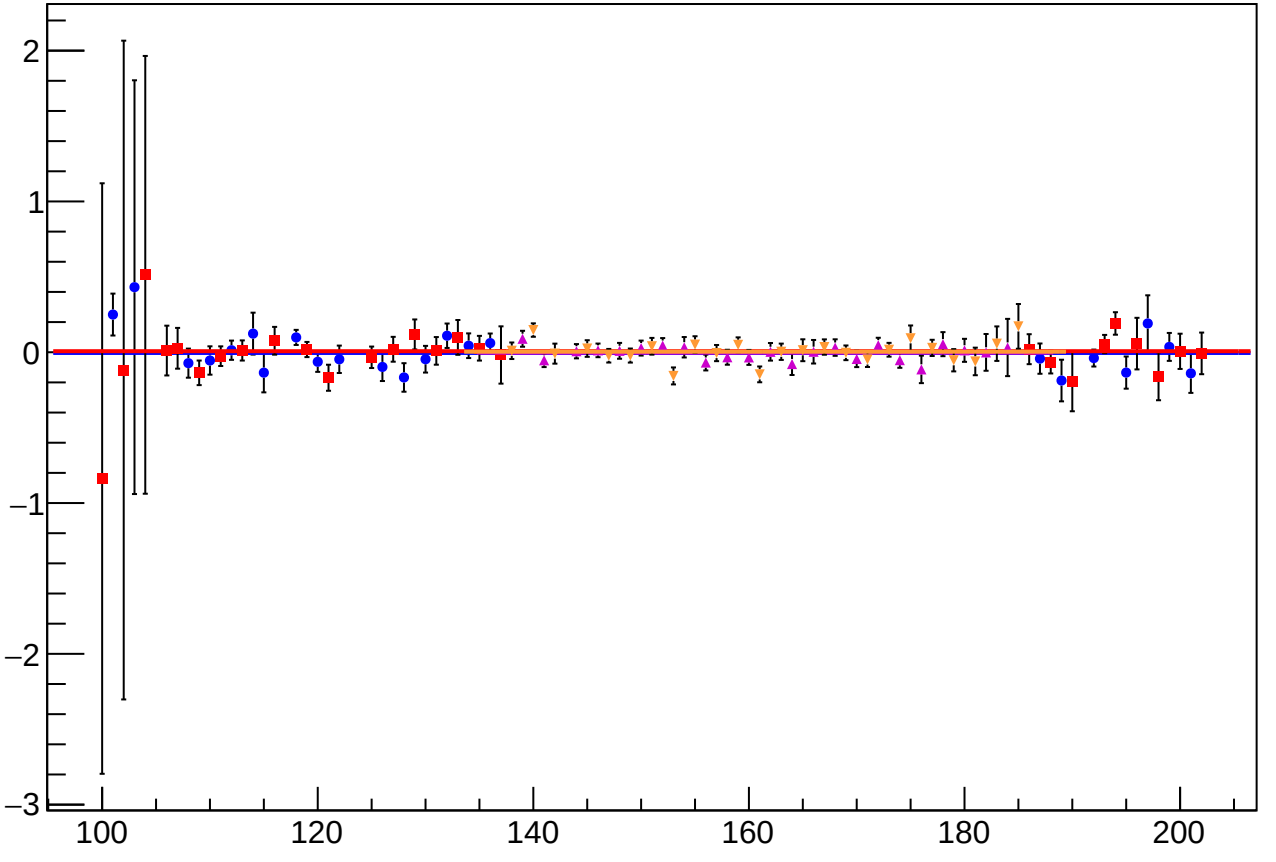
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 47.515+/-0.007 χ^2/NDF: 5257626.3/46

All: 48.551+/-0.005 χ^2/NDF: 11524110.1/96

- sign 49.633+/-0.007 χ^2/NDF: 6220043.1/49

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.018 χ^2/NDF: 25.1/22

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/26

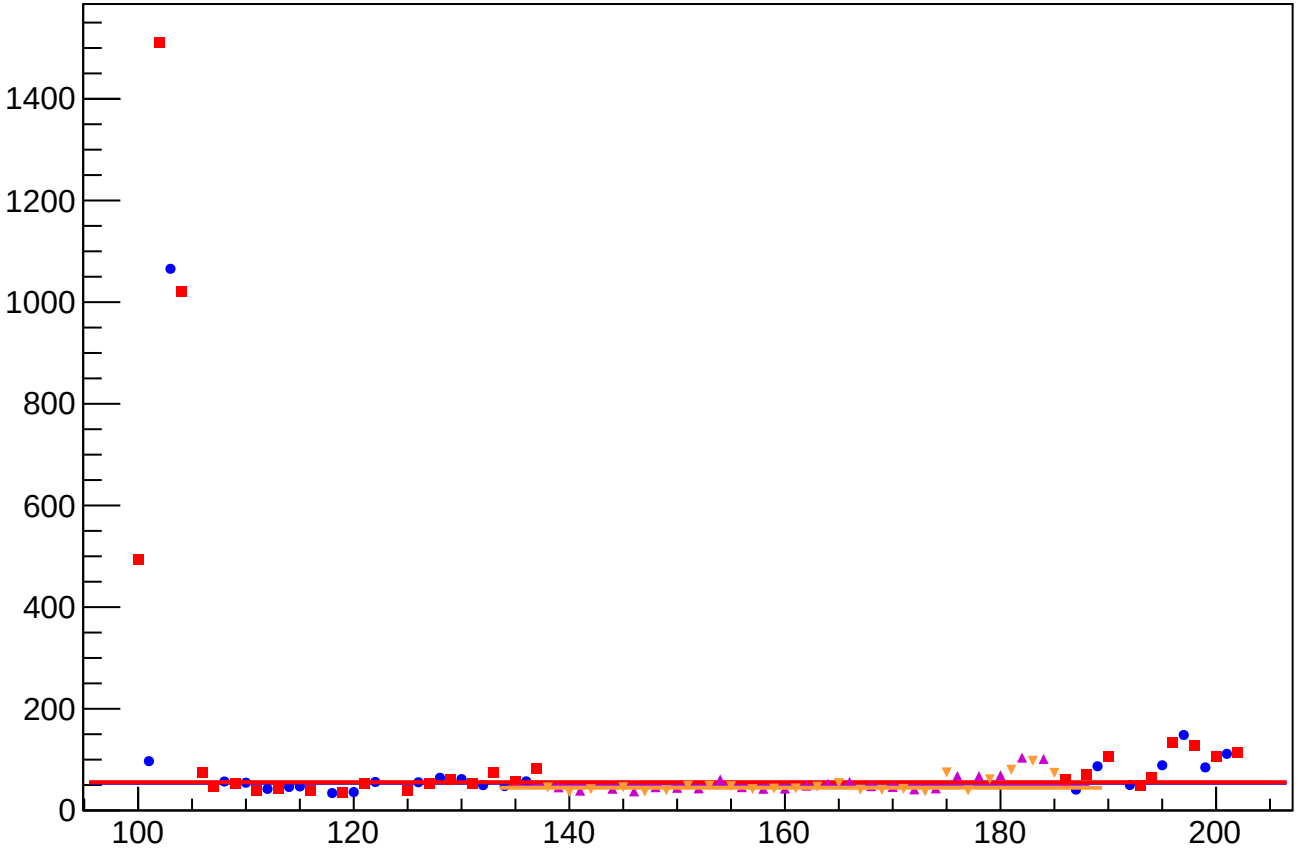
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 60.3/46

All: 0.001+/-0.007 χ^2/NDF: 95.6/96

- sign 0.000+/-0.010 χ^2/NDF: 35.3/49

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 54.432+/-0.013 χ^2/NDF: 3368519.6/22

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

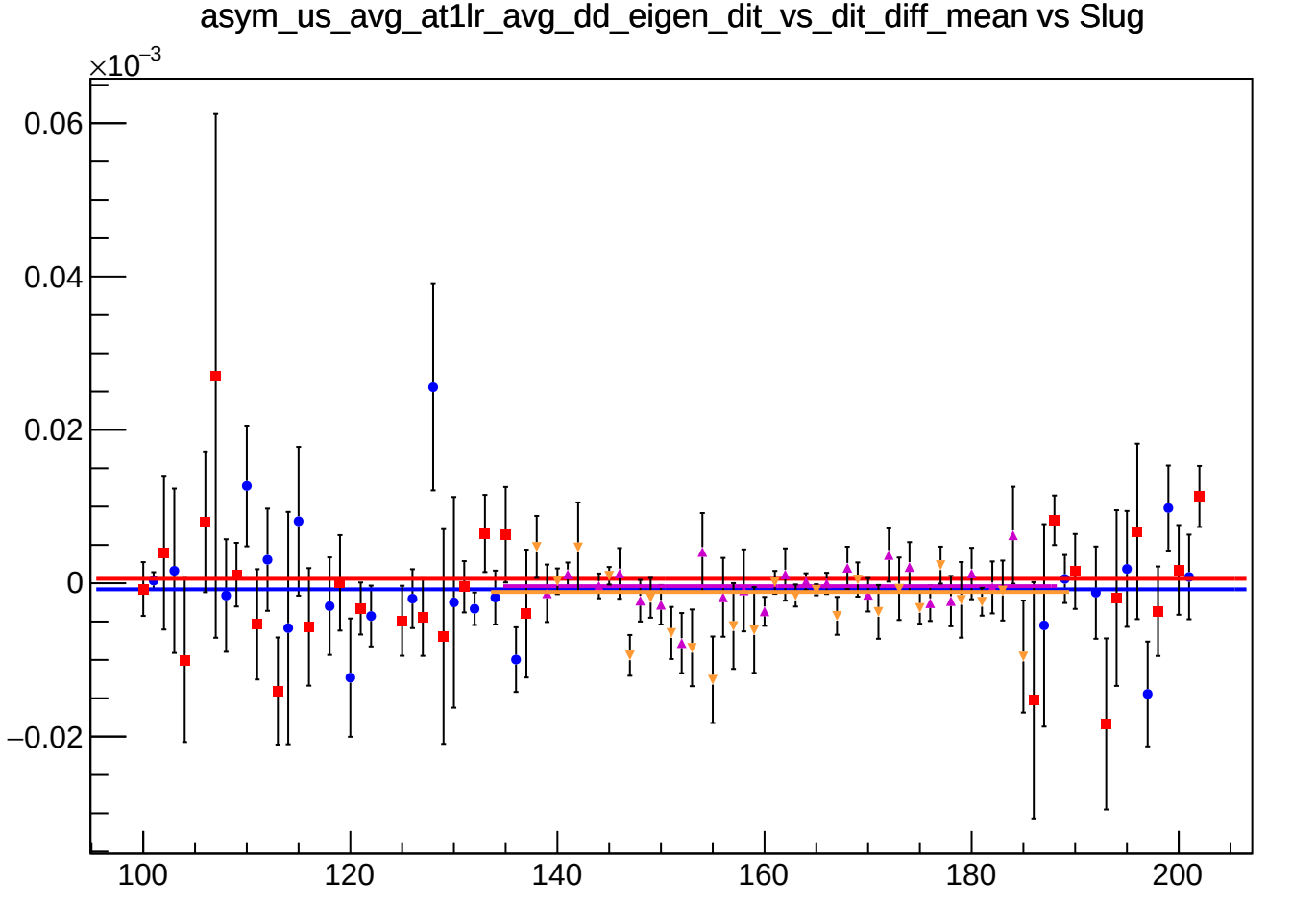
Right Out: 55.476+/-0.013 χ^2/NDF: 4529055.9/26

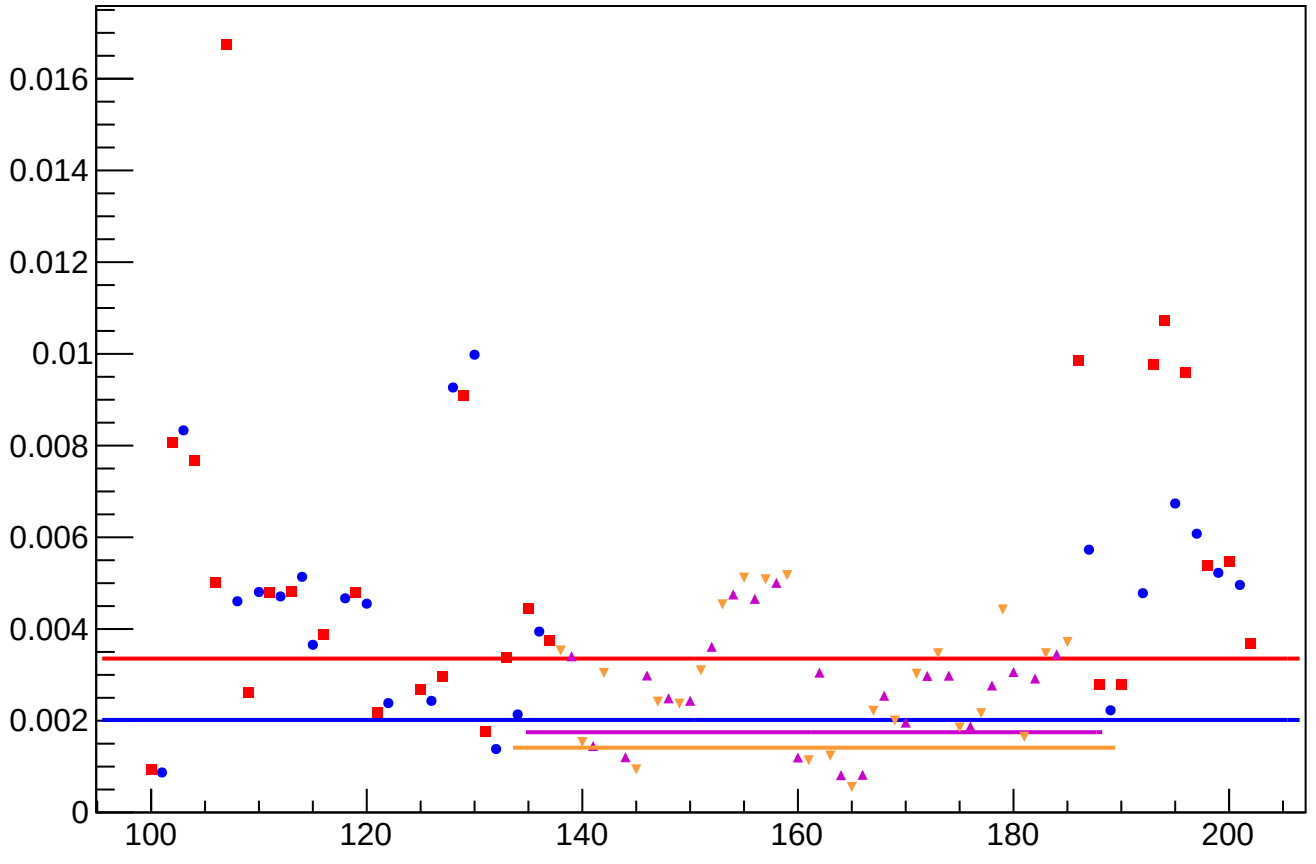
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 47.515+/-0.007 χ^2/NDF: 5257626.3/46

All: 48.551+/-0.005 χ^2/NDF: 11524110.1/96

- sign 49.633+/-0.007 χ^2/NDF: 6220043.1/49


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.9/22
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 32.7/26
Left In: -0.000+/-0.000 χ²/NDF:16.3/22
+ sign -0.000+/-0.000 χ²/NDF: 62.8/46
All: -0.000+/-0.000 χ²/NDF: 114.6/96
- sign -0.000+/-0.000 χ²/NDF: 49.7/49



Right In: 0.002+/-0.000 χ^2/NDF: 9606616.7/22

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 6621674.2/26

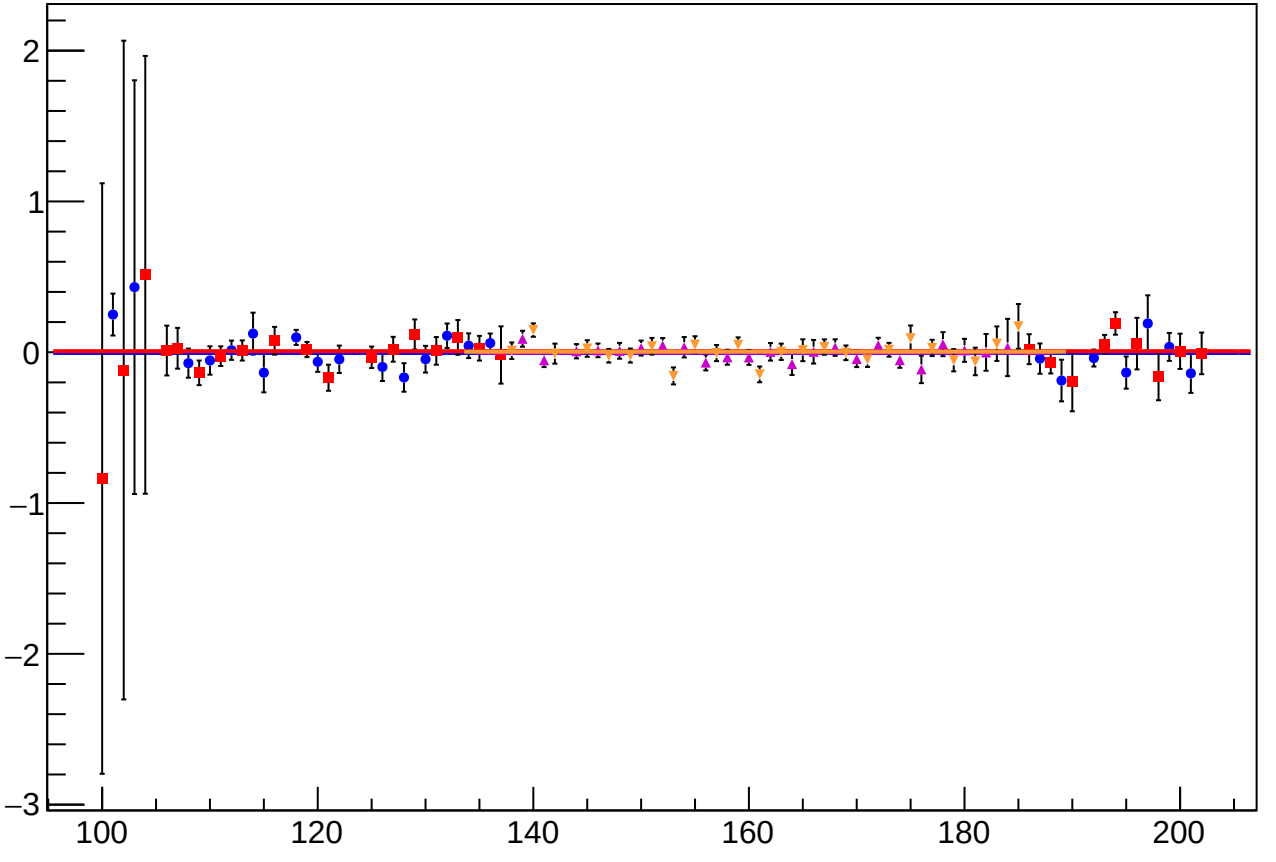
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 22155736.0/46

All: 0.002+/-0.000 χ^2/NDF: 42225655.6/96

- sign 0.002+/-0.000 χ^2/NDF: 18634272.8/49

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.018 χ^2/NDF: 25.1/22

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

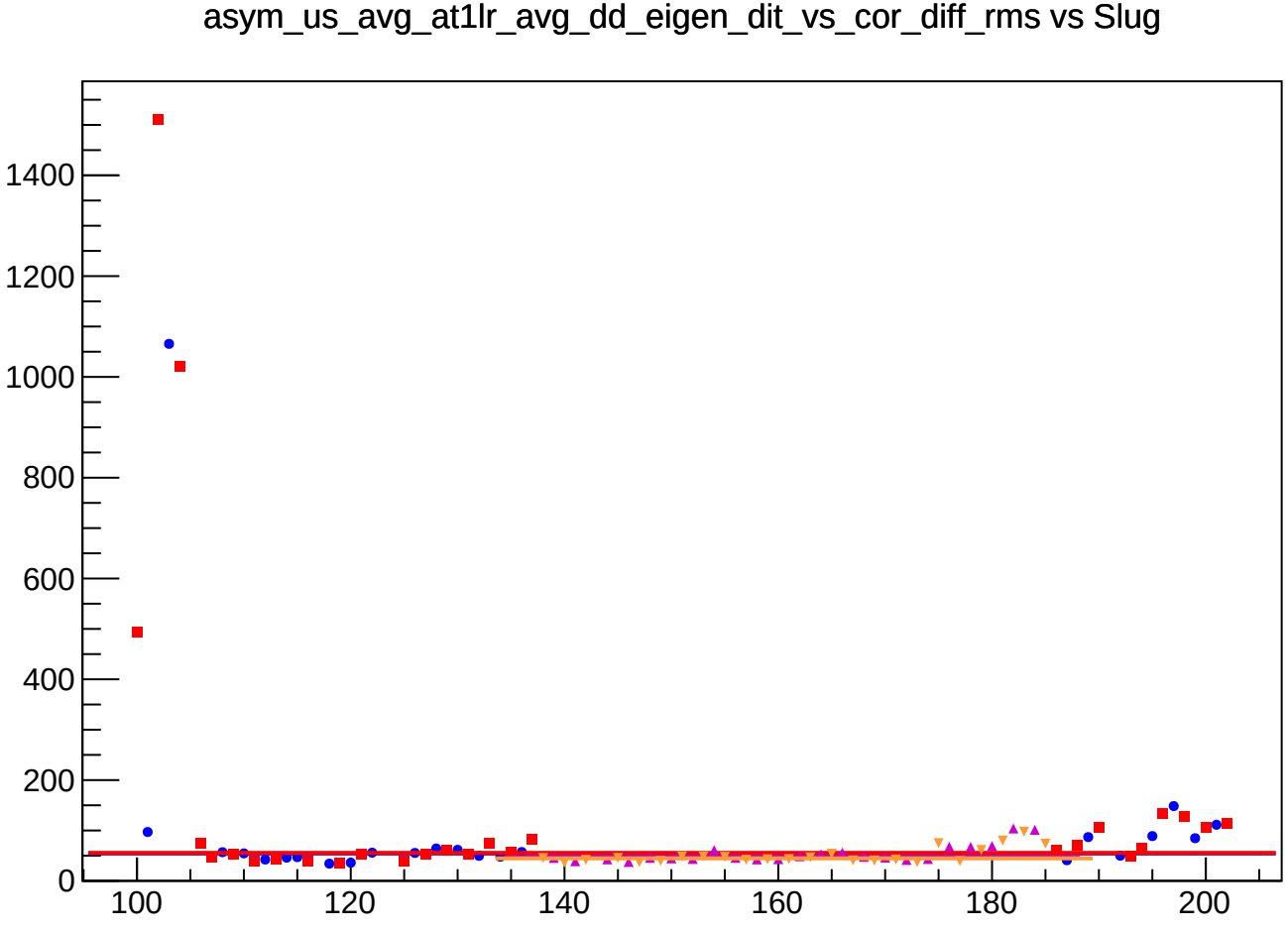
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/26

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 60.3/46

All: 0.001+/-0.007 χ^2/NDF: 95.6/96

- sign 0.000+/-0.010 χ^2/NDF: 35.3/49



Right In: 54.432+/-0.013 χ^2/NDF: 3368494.2/22

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.475+/-0.013 χ^2/NDF: 4529187.2/26

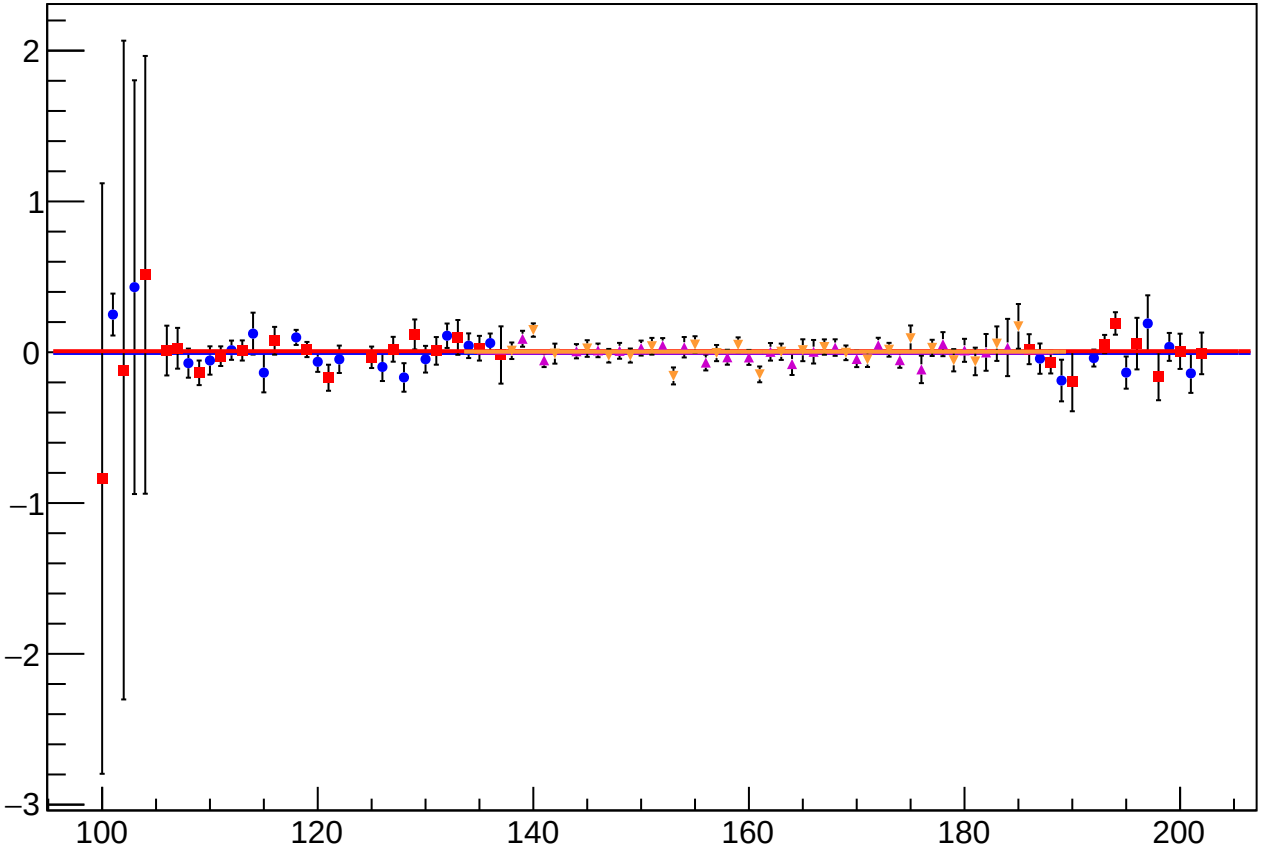
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 47.516+/-0.007 χ^2/NDF: 5257559.8/46

All: 48.551+/-0.005 χ^2/NDF: 11524181.4/96

- sign 49.632+/-0.007 χ^2/NDF: 6220201.0/49

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.018 χ^2/NDF: 25.1/22

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

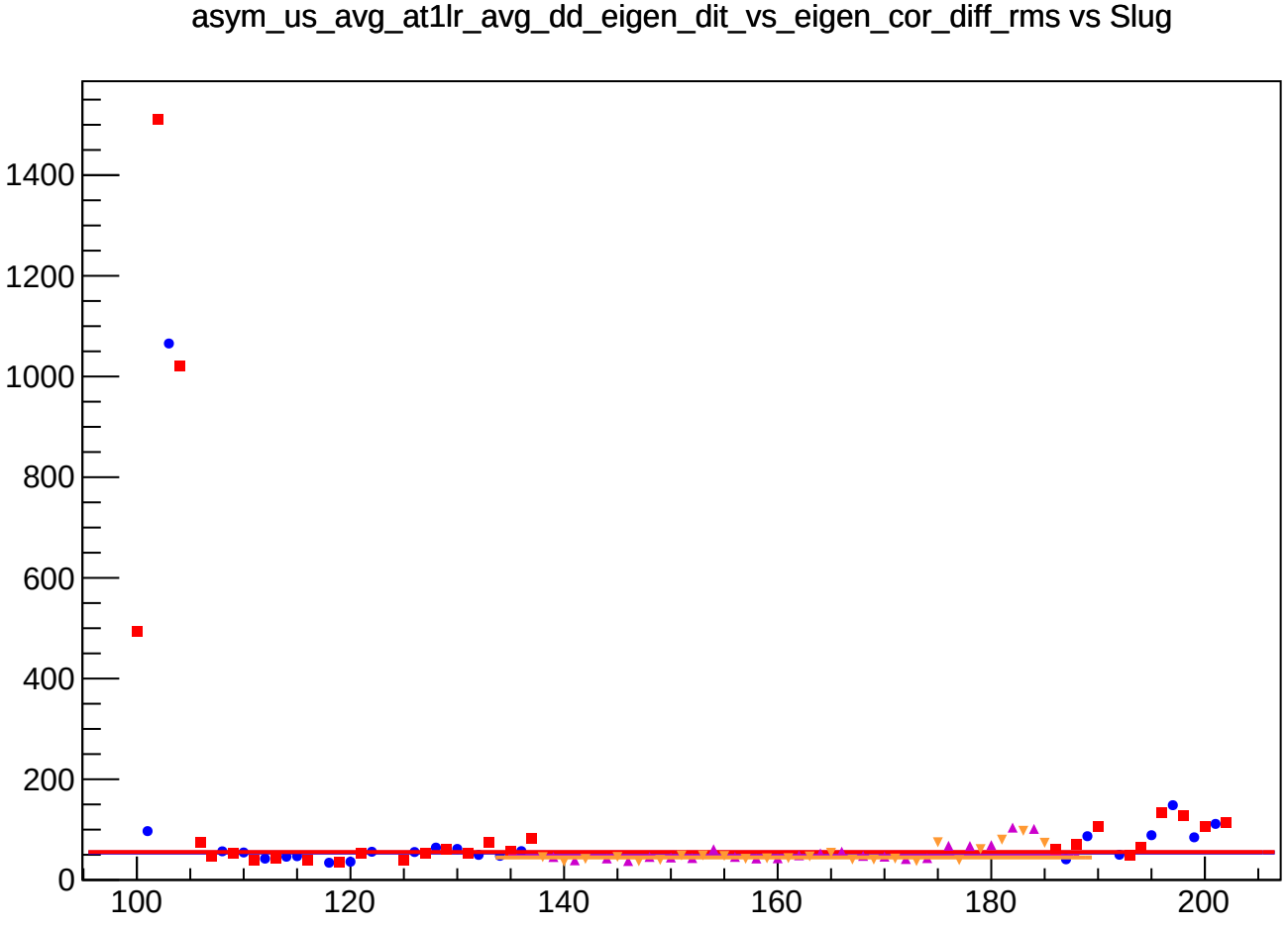
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/26

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 60.3/46

All: 0.001+/-0.007 χ^2/NDF: 95.6/96

- sign 0.000+/-0.010 χ^2/NDF: 35.3/49



Right In: 54.432+/-0.013 χ^2/NDF: 3368494.2/22

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

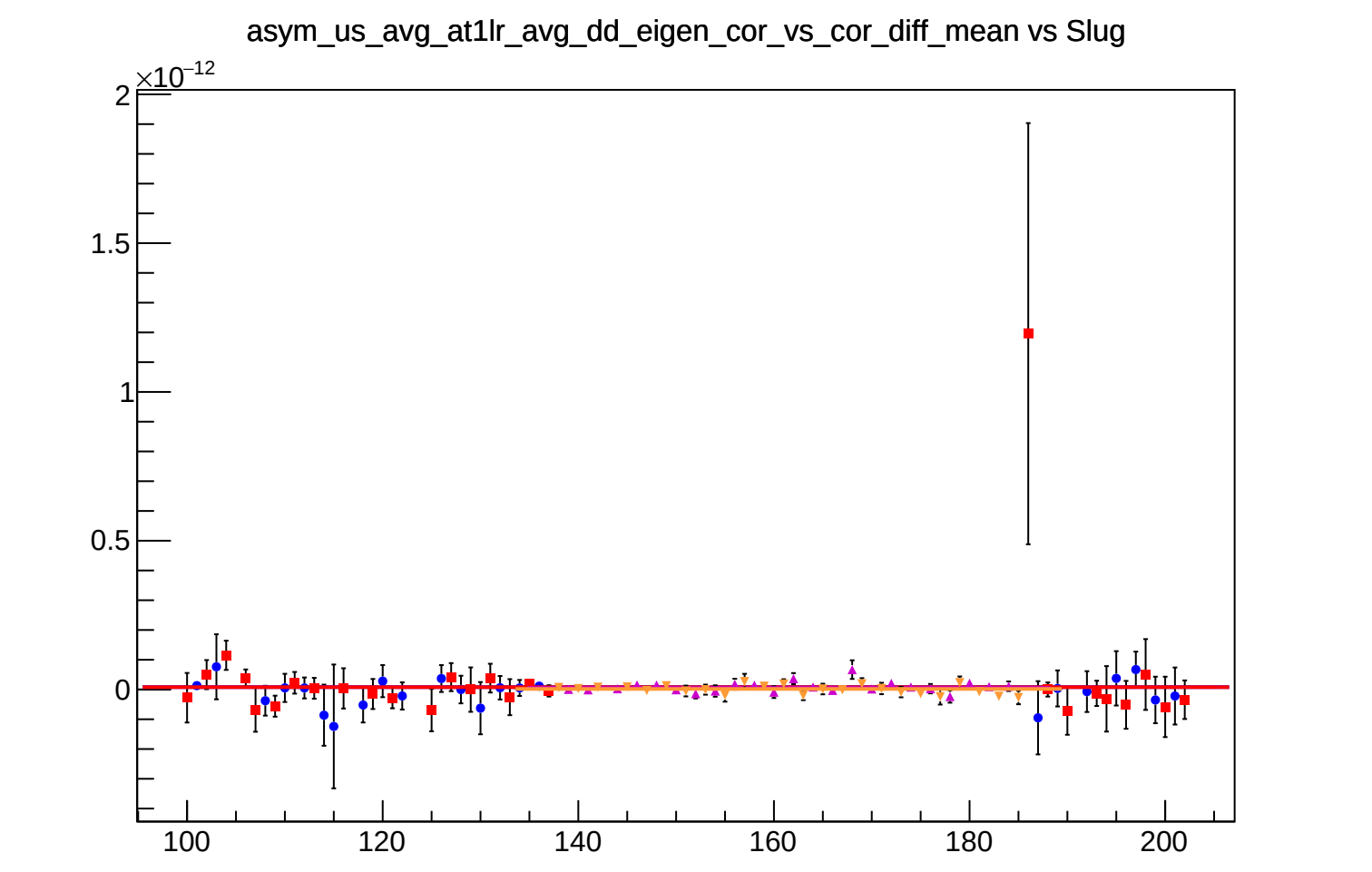
Right Out: 55.475+/-0.013 χ^2/NDF: 4529187.2/26

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 47.516+/-0.007 χ^2/NDF: 5257559.8/46

All: 48.551+/-0.005 χ^2/NDF: 11524181.4/96

- sign 49.632+/-0.007 χ^2/NDF: 6220201.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 7.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

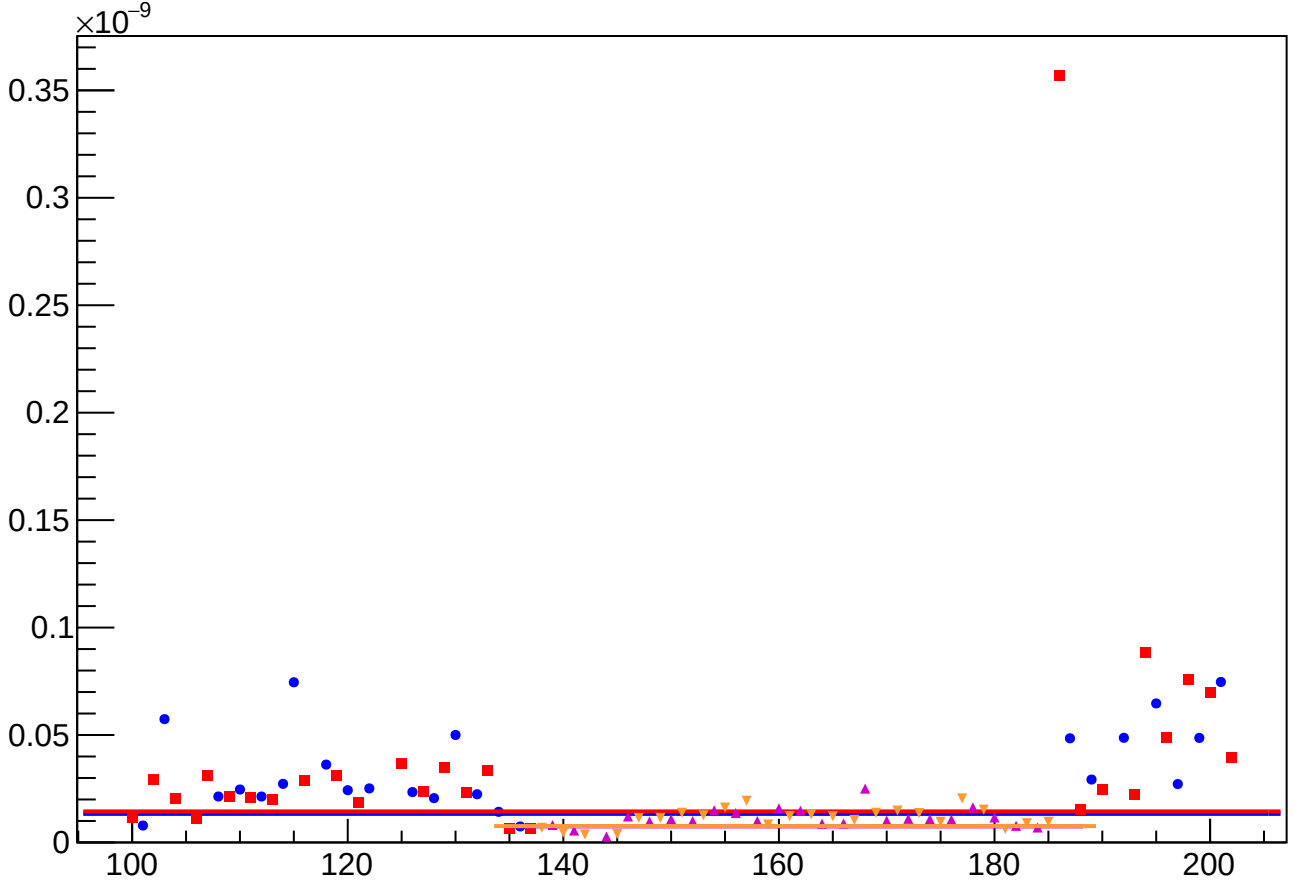
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/26

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/46

All: 0.000+/-0.000 χ^2/NDF: 70.1/96

- sign 0.000+/-0.000 χ^2/NDF: 40.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 5827909.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6315497.9/26

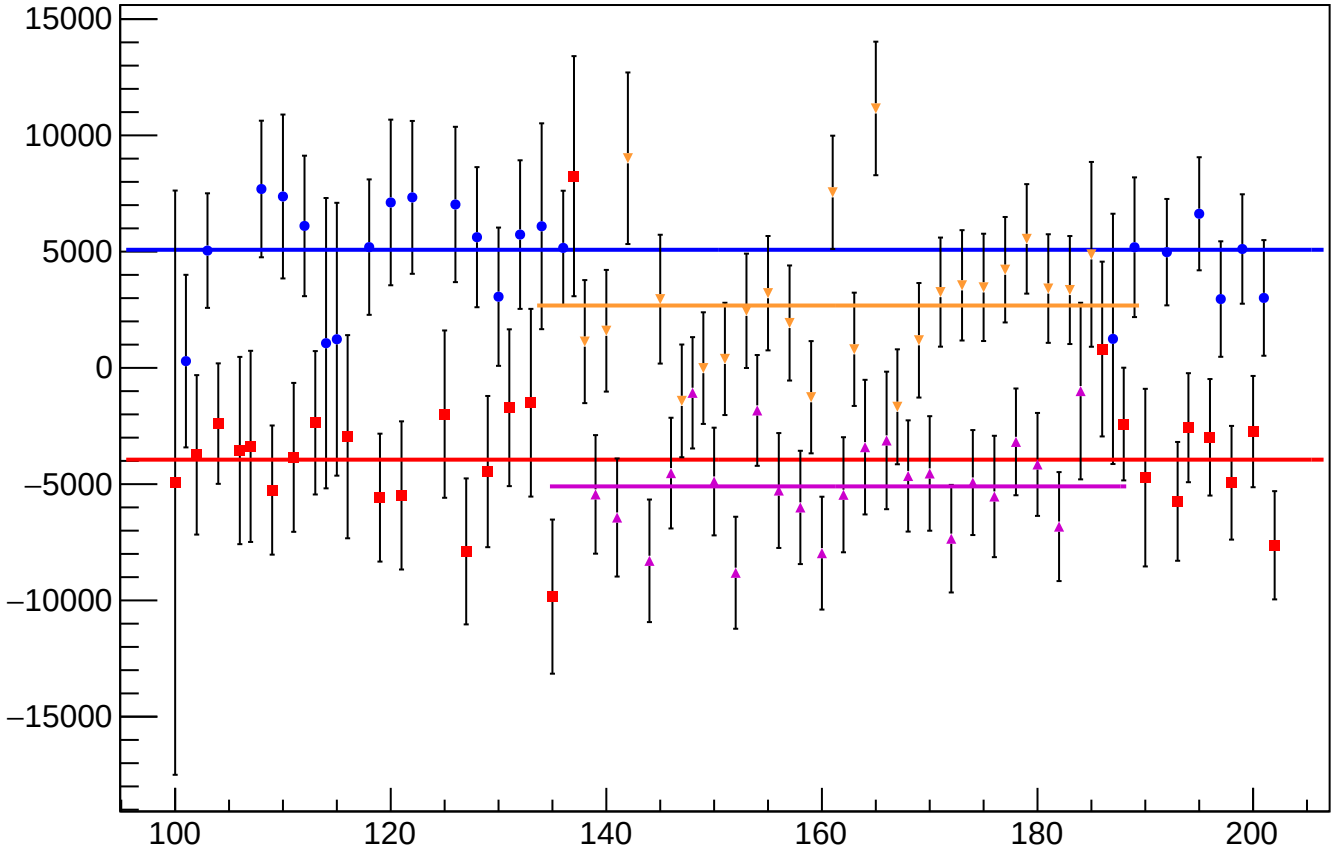
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12742891.4/46

All: 0.000+/-0.000 χ^2/NDF: 26966094.3/96

- sign 0.000+/-0.000 χ^2/NDF: 14222600.8/49

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5079.361+/-629.382 χ^2/NDF: 7.9/22

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3946.669+/-591.485 χ^2/NDF: 18.9/26

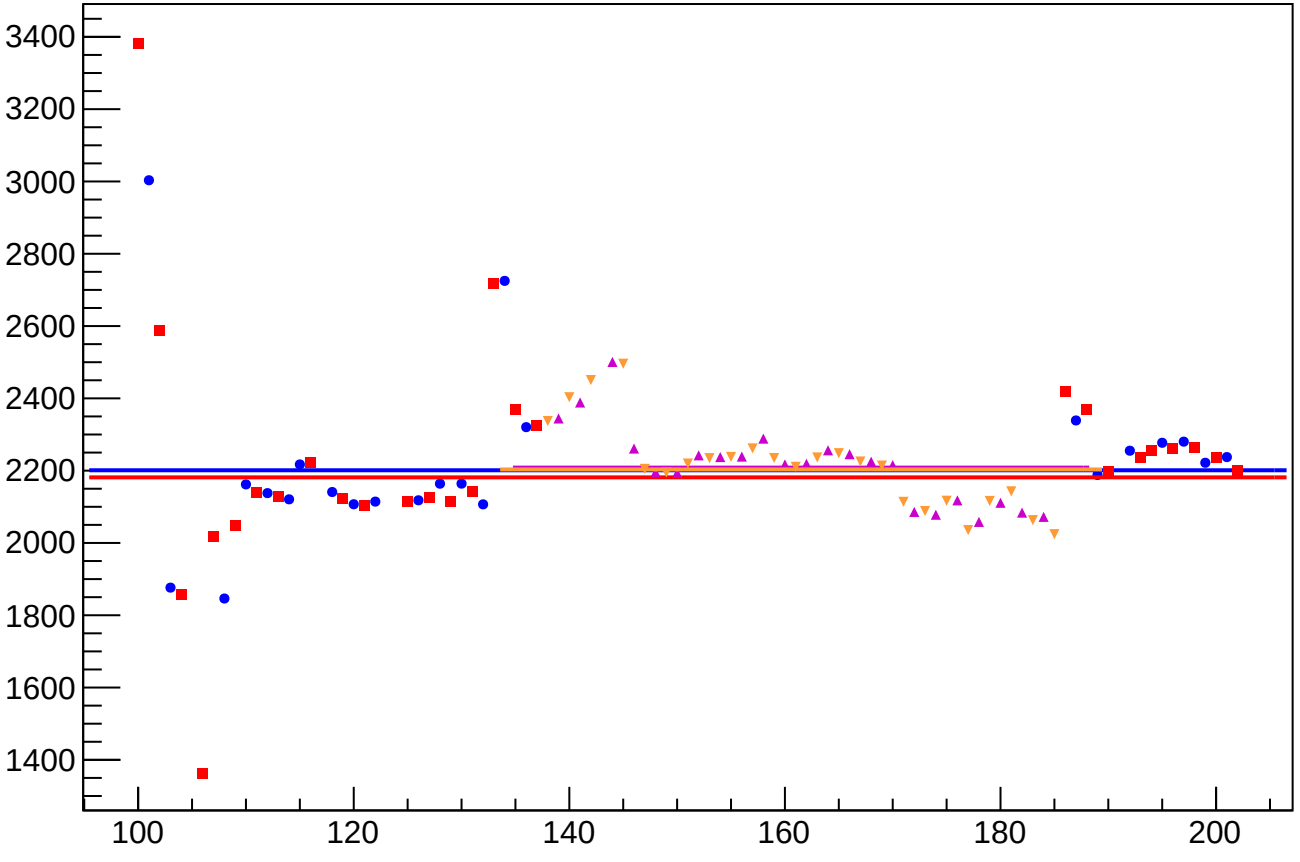
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3637.280+/-397.186 χ^2/NDF: 47.5/46

All: -567.468+/-277.889 χ^2/NDF: 303.0/96

- sign -4599.299+/-388.933 χ^2/NDF: 36.0/49

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2201.066+/-0.445 χ^2/NDF: 205872.5/22

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

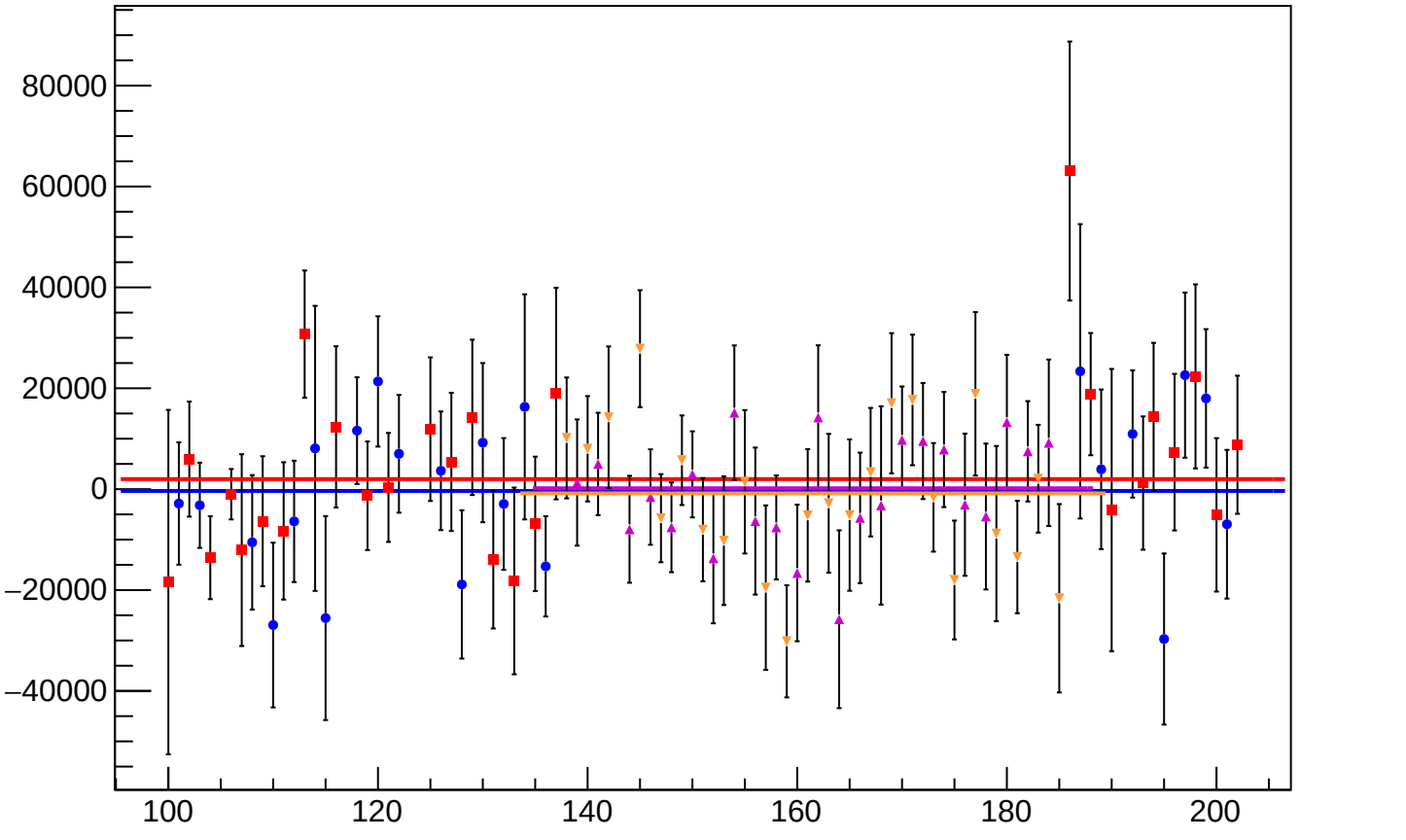
Right Out: 2181.431+/-0.415 χ^2/NDF: 311822.6/26

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2202.408+/-0.281 χ^2/NDF: 294096.0/46

All: 2199.439+/-0.196 χ^2/NDF: 689510.5/96

- sign 2196.613+/-0.274 χ^2/NDF: 395196.4/49



Right In: -354.836+/-2822.916 χ^2/NDF: 23.2/22

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

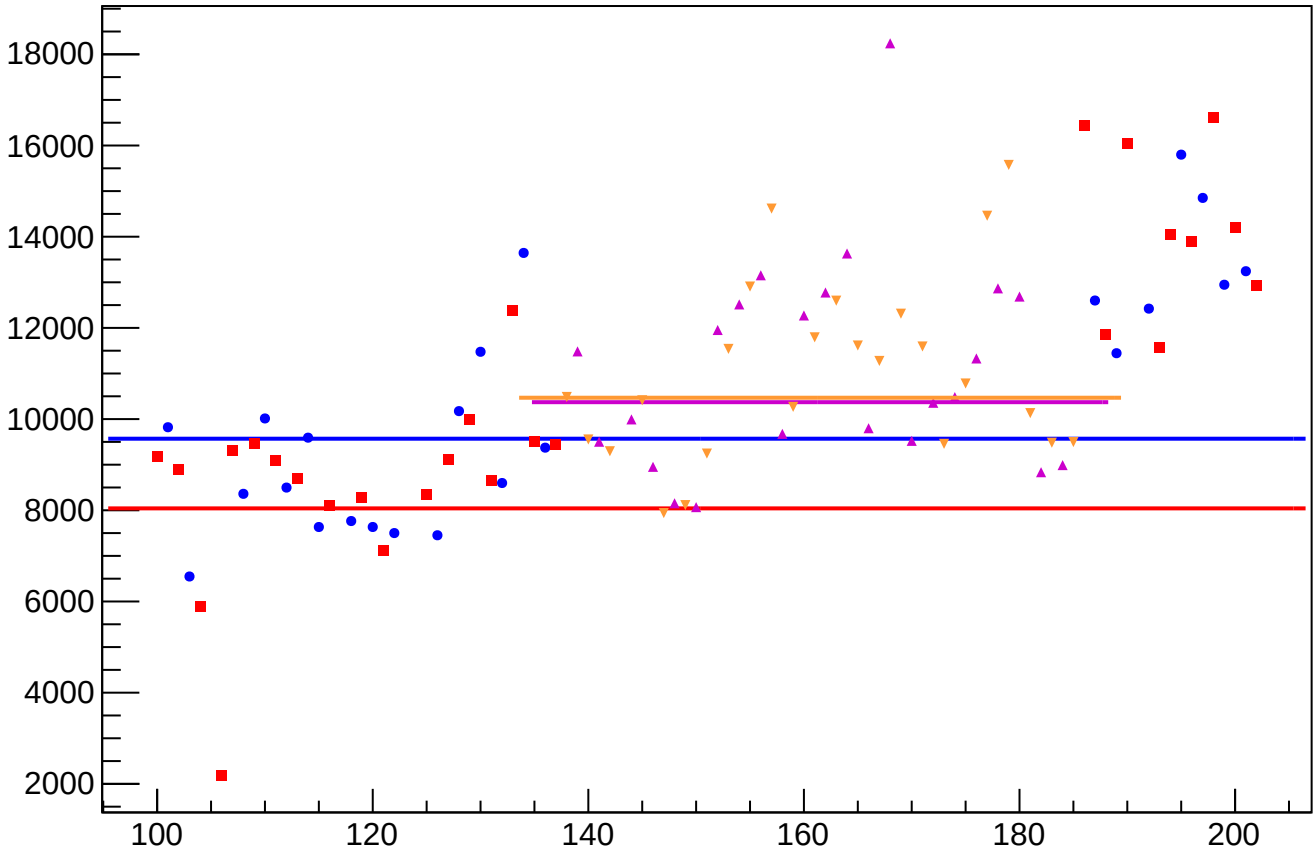
Right Out: 1994.403+/-2408.498 χ^2/NDF: 26.7/26

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign -624.844+/-1863.755 χ^2/NDF: 52.7/46

All: 310.563+/-1265.901 χ^2/NDF: 93.9/96

- sign 1111.702+/-1724.814 χ^2/NDF: 40.7/49



Right In: 9569.873+/-1.996 χ^2/NDF: 1525818.1/22

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8041.765+/-1.703 χ^2/NDF: 5519066.2/26

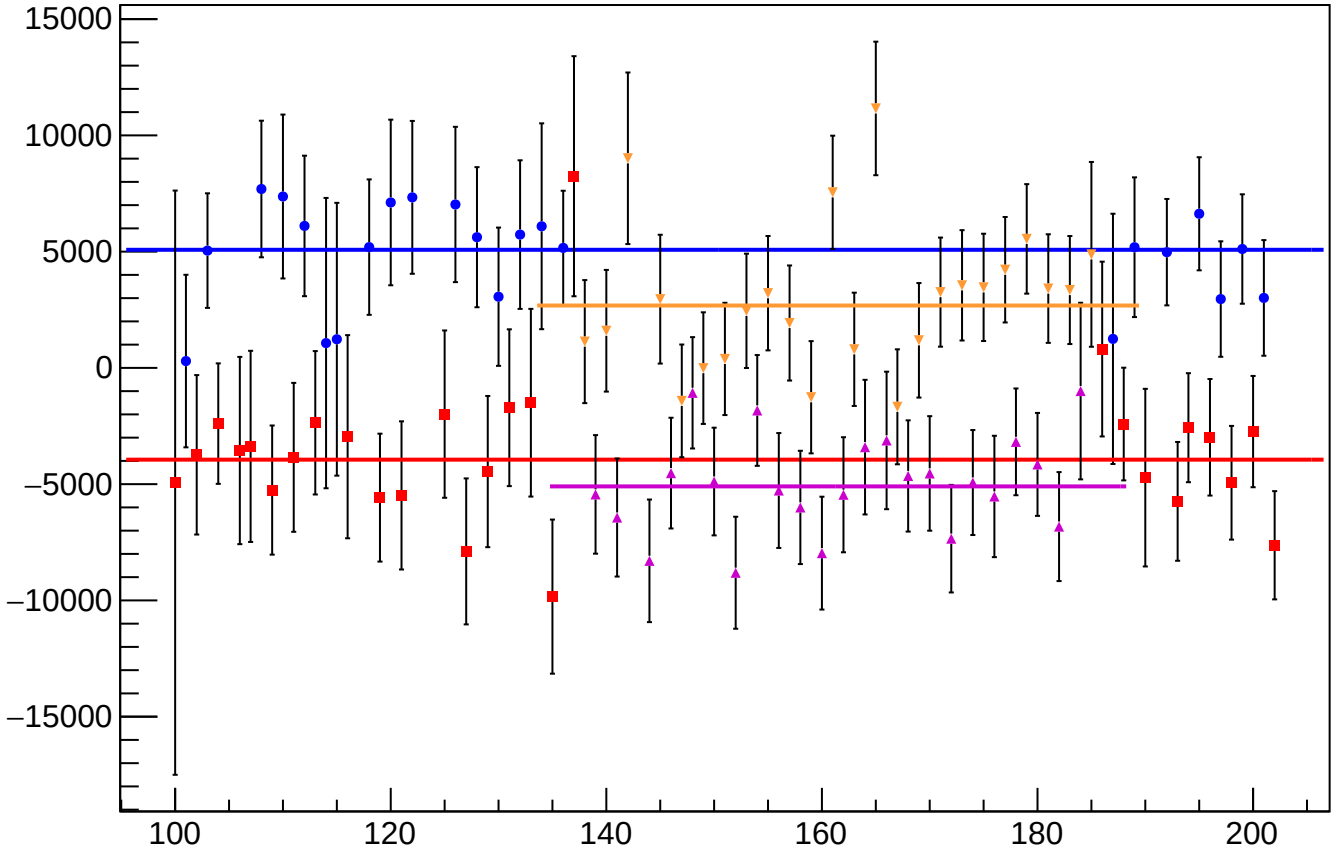
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 10076.893+/-1.318 χ^2/NDF: 2685448.4/46

All: 9591.832+/-0.895 χ^2/NDF: 10570910.0/9

- sign 9176.396+/-1.220 χ^2/NDF: 7633965.5/49

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5079.484+/-629.382 χ^2/NDF: 7.9/22

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3946.524+/-591.485 χ^2/NDF: 18.9/26

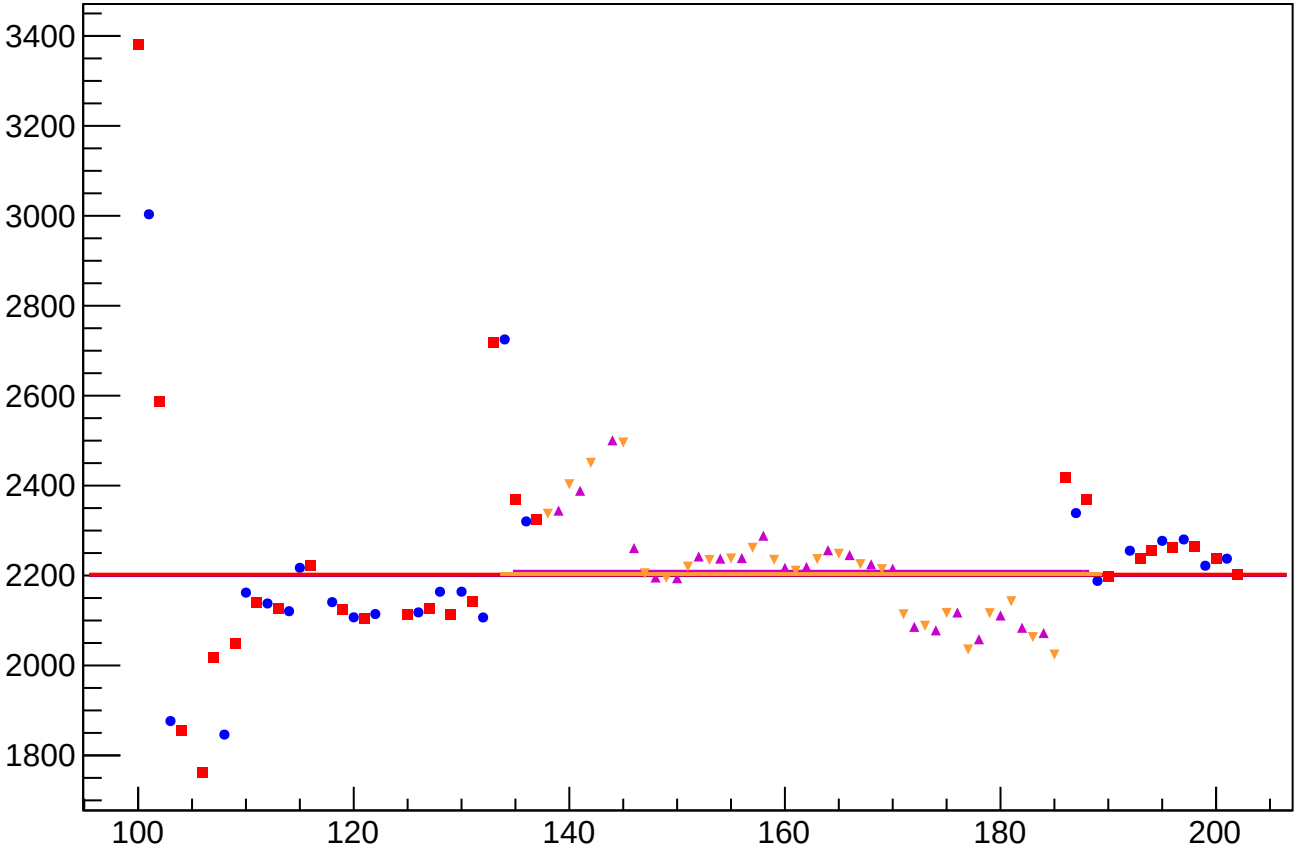
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3637.281+/-397.186 χ^2/NDF: 47.5/46

All: -567.409+/-277.889 χ^2/NDF: 303.0/96

- sign -4599.183+/-388.933 χ^2/NDF: 36.0/49

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2201.066+/-0.445 χ^2/NDF: 205872.9/22

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

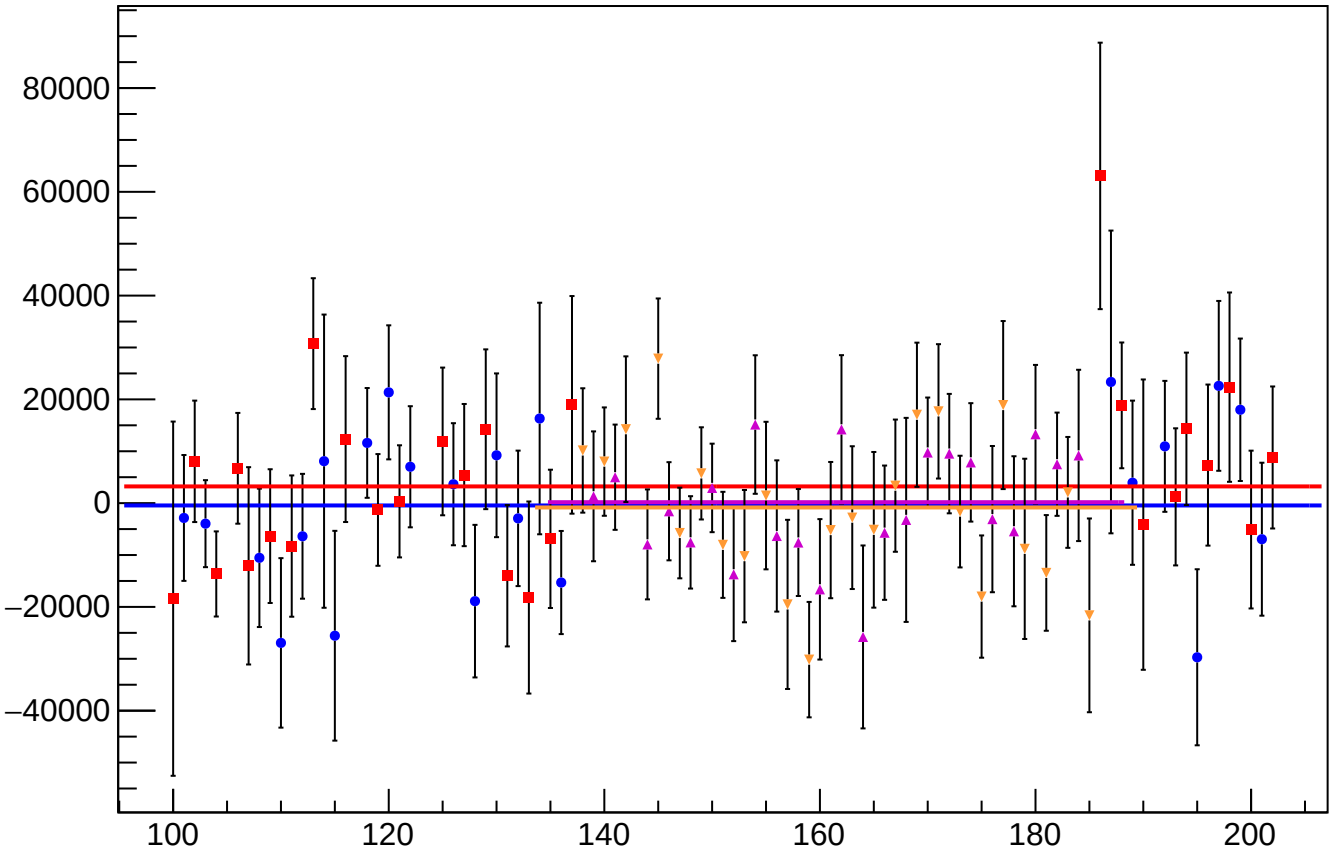
Right Out: 2201.896+/-0.417 χ^2/NDF: 187501.0/26

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2202.408+/-0.281 χ^2/NDF: 294096.4/46

All: 2204.023+/-0.196 χ^2/NDF: 562793.2/96

- sign 2205.567+/-0.275 χ^2/NDF: 268632.2/49



Right In: -446.142+/-2820.493 χ^2/NDF: 23.3/22

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

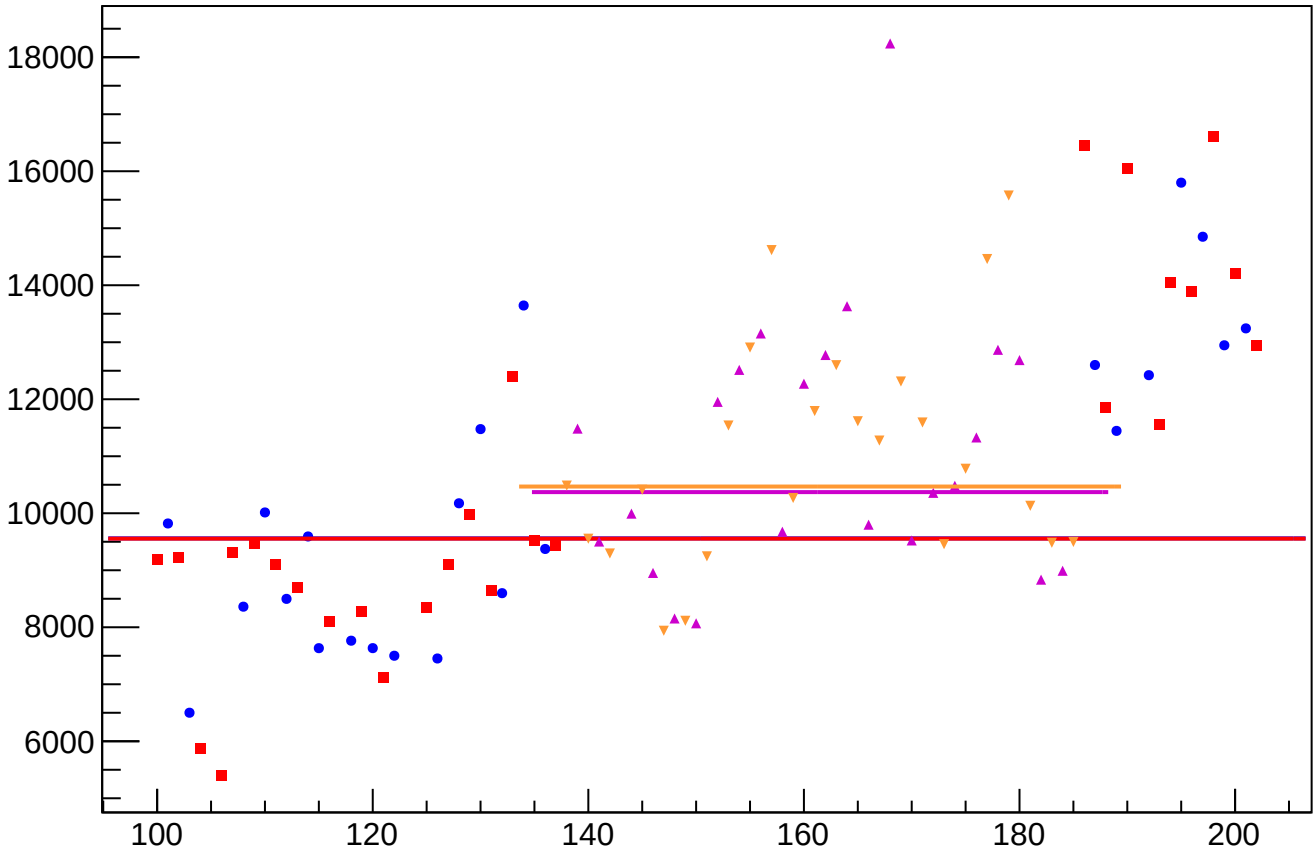
Right Out: 3223.315+/-2664.578 χ^2/NDF: 26.5/26

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -664.465+/-1863.057 χ^2/NDF: 52.7/46

All: 493.366+/-1298.924 χ^2/NDF: 94.5/96

- sign 1588.511+/-1811.922 χ^2/NDF: 41.0/49



Right In: 9559.312+/-1.994 χ^2/NDF: 1537909.9/22

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

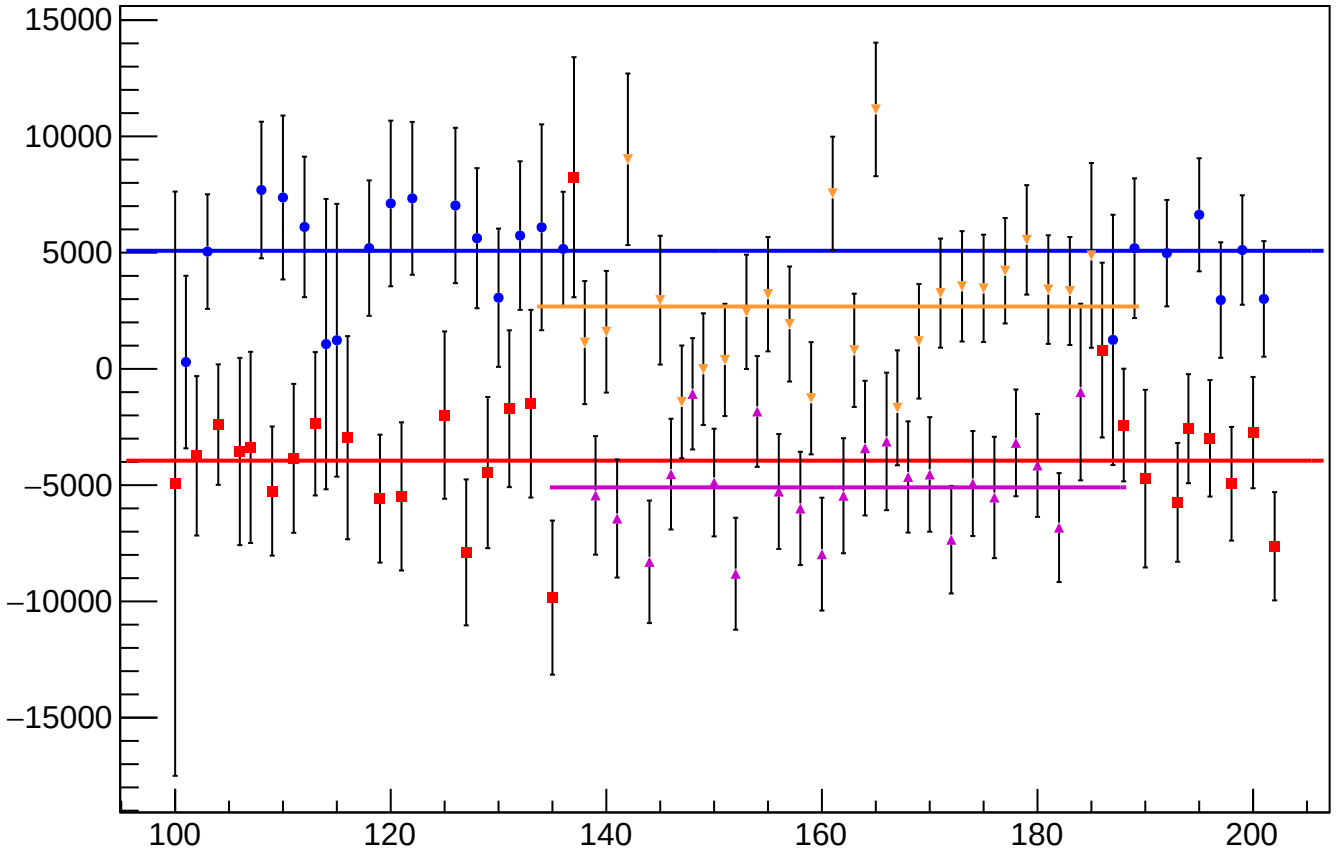
Right Out: 9554.766+/-1.884 χ^2/NDF: 2260203.9/26

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10071.905+/-1.317 χ^2/NDF: 2700358.3/46

All: 10031.616+/-0.918 χ^2/NDF: 6267010.3/9

- sign 9993.508+/-1.281 χ^2/NDF: 3564832.0/49



Right In: 5079.484+/-629.382 χ^2/NDF: 7.9/22

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3946.524+/-591.485 χ^2/NDF: 18.9/26

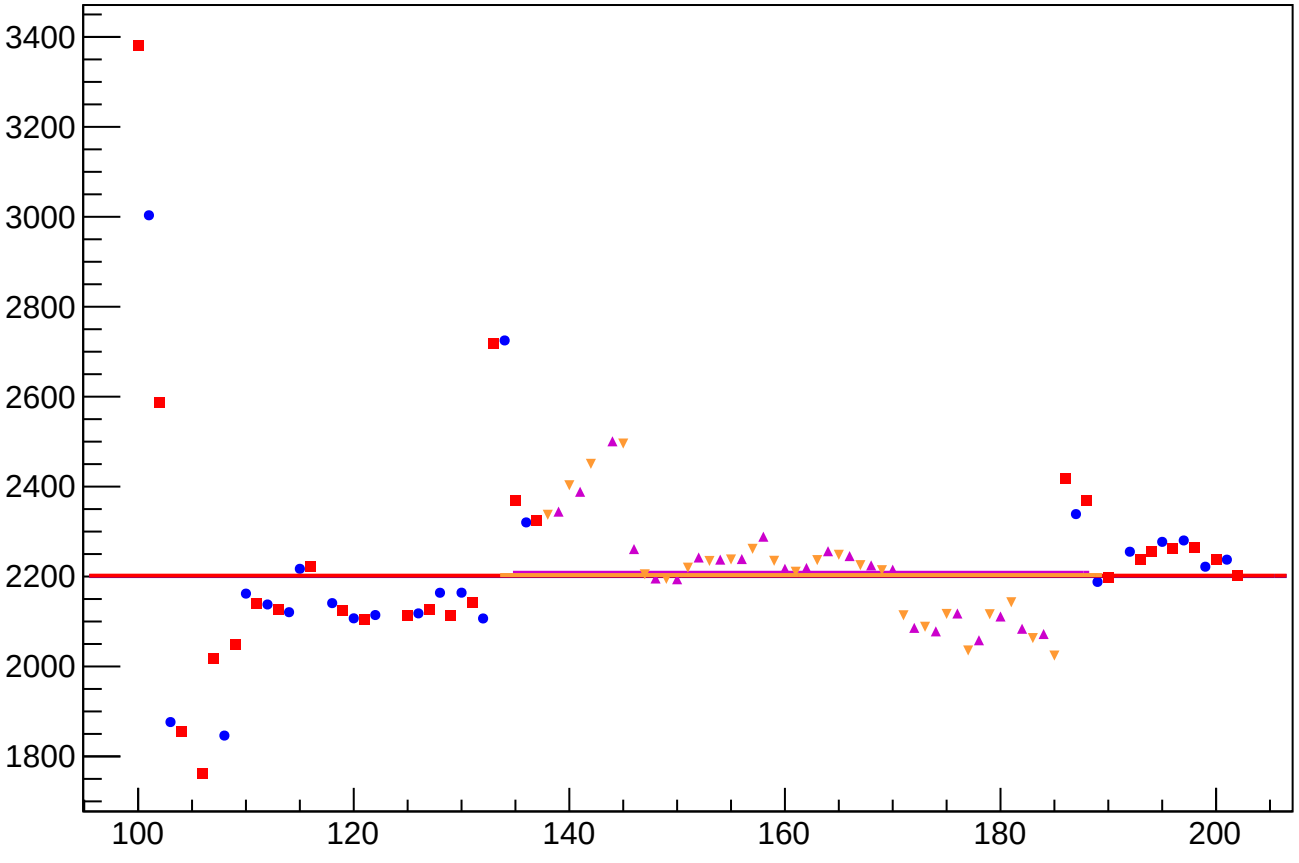
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3637.281+/-397.186 χ^2/NDF: 47.5/46

All: -567.409+/-277.889 χ^2/NDF: 303.0/96

- sign -4599.183+/-388.933 χ^2/NDF: 36.0/49

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2201.066+/-0.445 χ^2/NDF: 205872.9/22

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

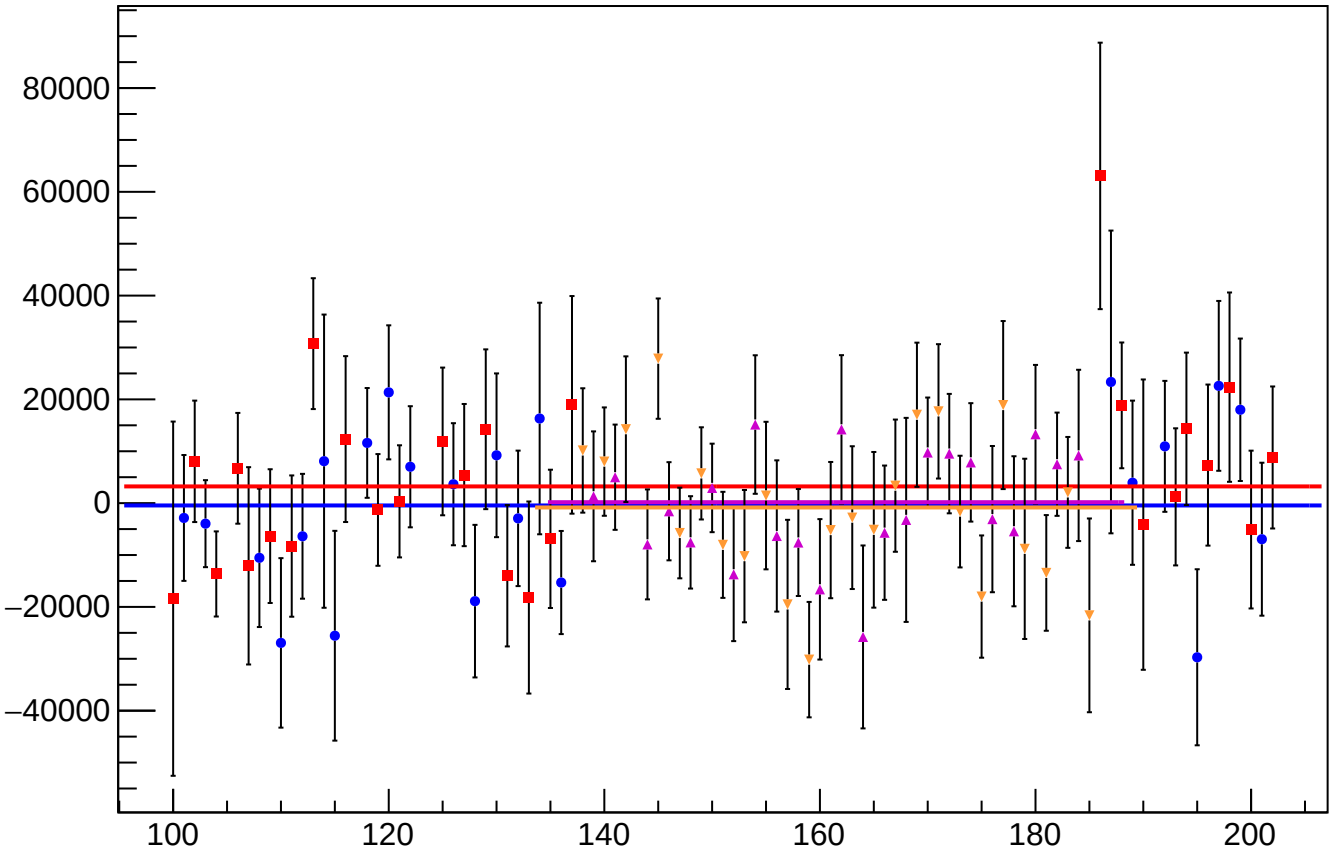
Right Out: 2201.896+/-0.417 χ^2/NDF: 187501.0/26

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2202.408+/-0.281 χ^2/NDF: 294096.4/46

All: 2204.023+/-0.196 χ^2/NDF: 562793.2/96

- sign 2205.567+/-0.275 χ^2/NDF: 268632.2/49



Right In: -446.142+/-2820.493 χ^2/NDF: 23.3/22

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: 3223.315+/-2664.578 χ^2/NDF: 26.5/26

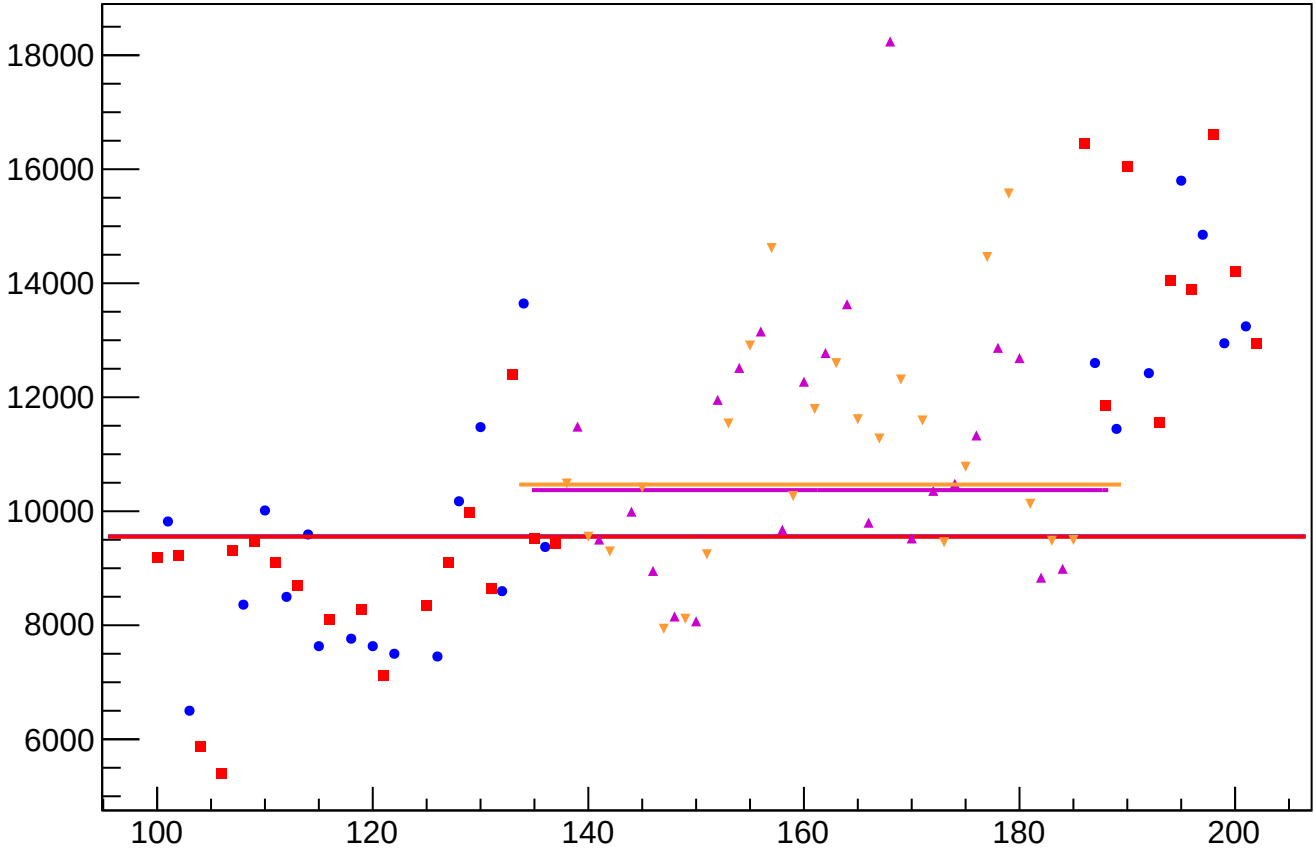
Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -664.465+/-1863.057 χ^2/NDF: 52.7/46

All: 493.366+/-1298.924 χ^2/NDF: 94.5/96

- sign 1588.511+/-1811.922 χ^2/NDF: 41.0/49

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 9559.312+/-1.994 χ^2/NDF: 1537909.9/22

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

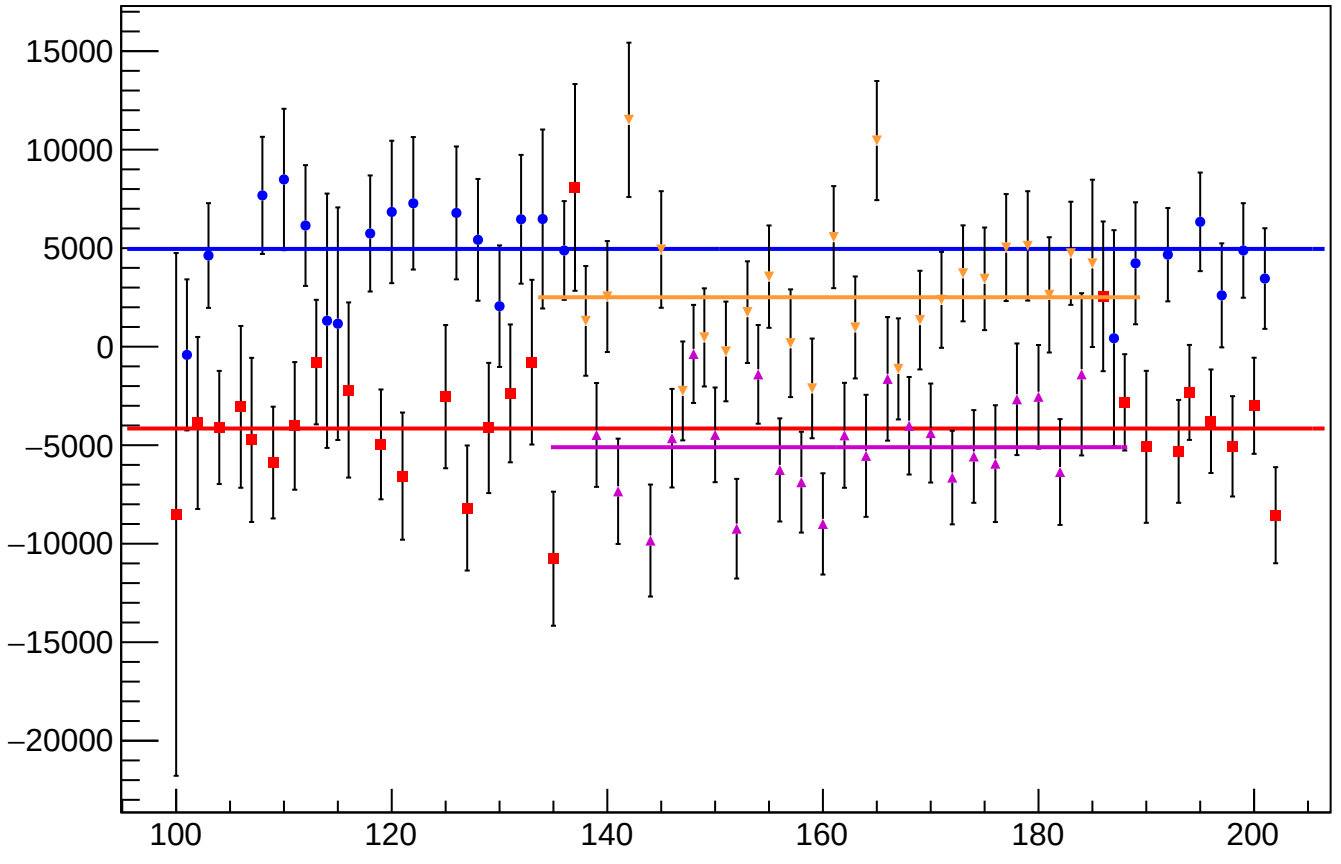
Right Out: 9554.766+/-1.884 χ^2/NDF: 2260203.9/26

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10071.905+/-1.317 χ^2/NDF: 2700358.3/46

All: 10031.616+/-0.918 χ^2/NDF: 6267010.3/9

- sign 9993.508+/-1.281 χ^2/NDF: 3564832.0/49



Right In: 4961.805+/-647.578 χ^2/NDF: 9.2/22

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -4153.174+/-611.126 χ^2/NDF: 22.4/26

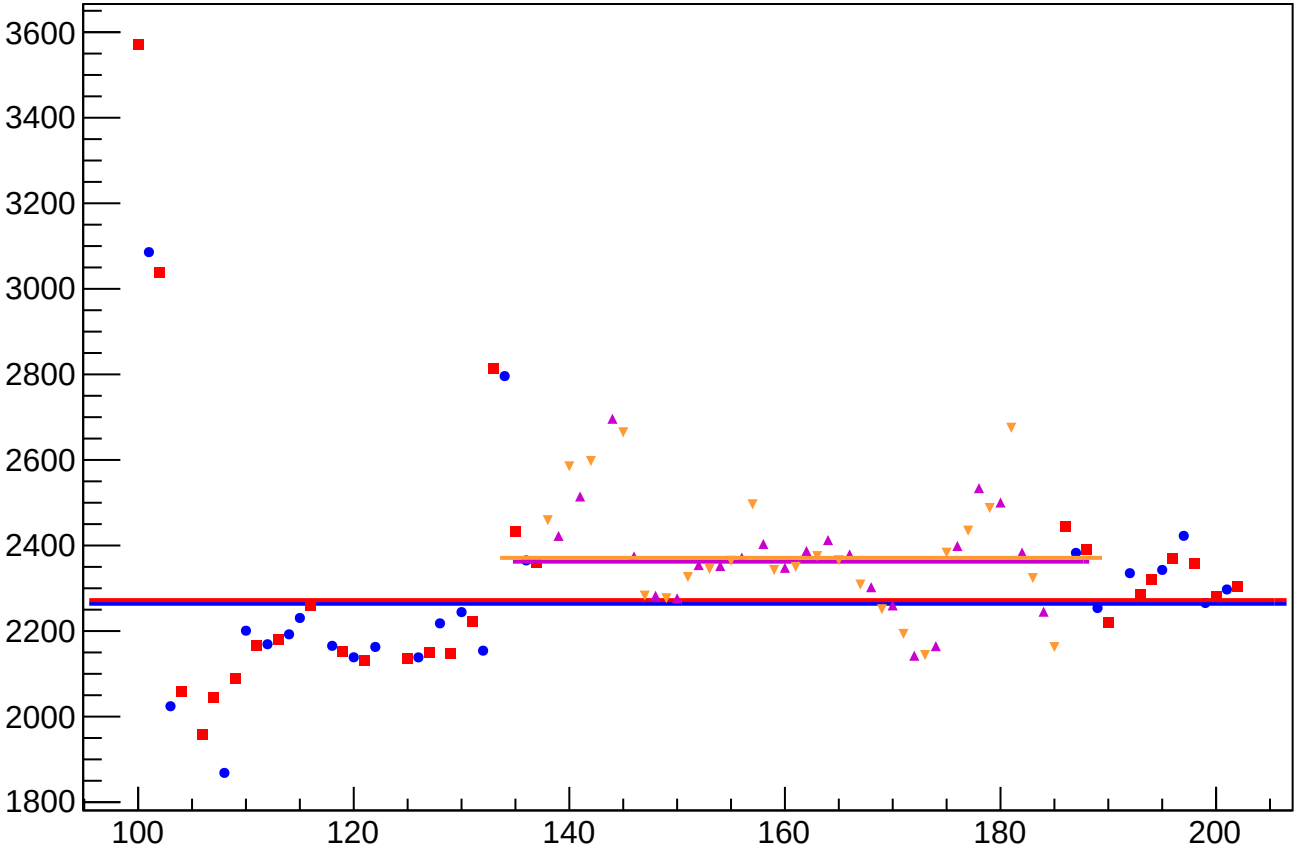
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3540.325+/-419.915 χ^2/NDF: 47.3/46

All: -667.121+/-293.310 χ^2/NDF: 287.0/96

- sign -4675.746+/-409.874 χ^2/NDF: 43.6/49

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2263.856+/-0.458 χ^2/NDF: 201463.6/22

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

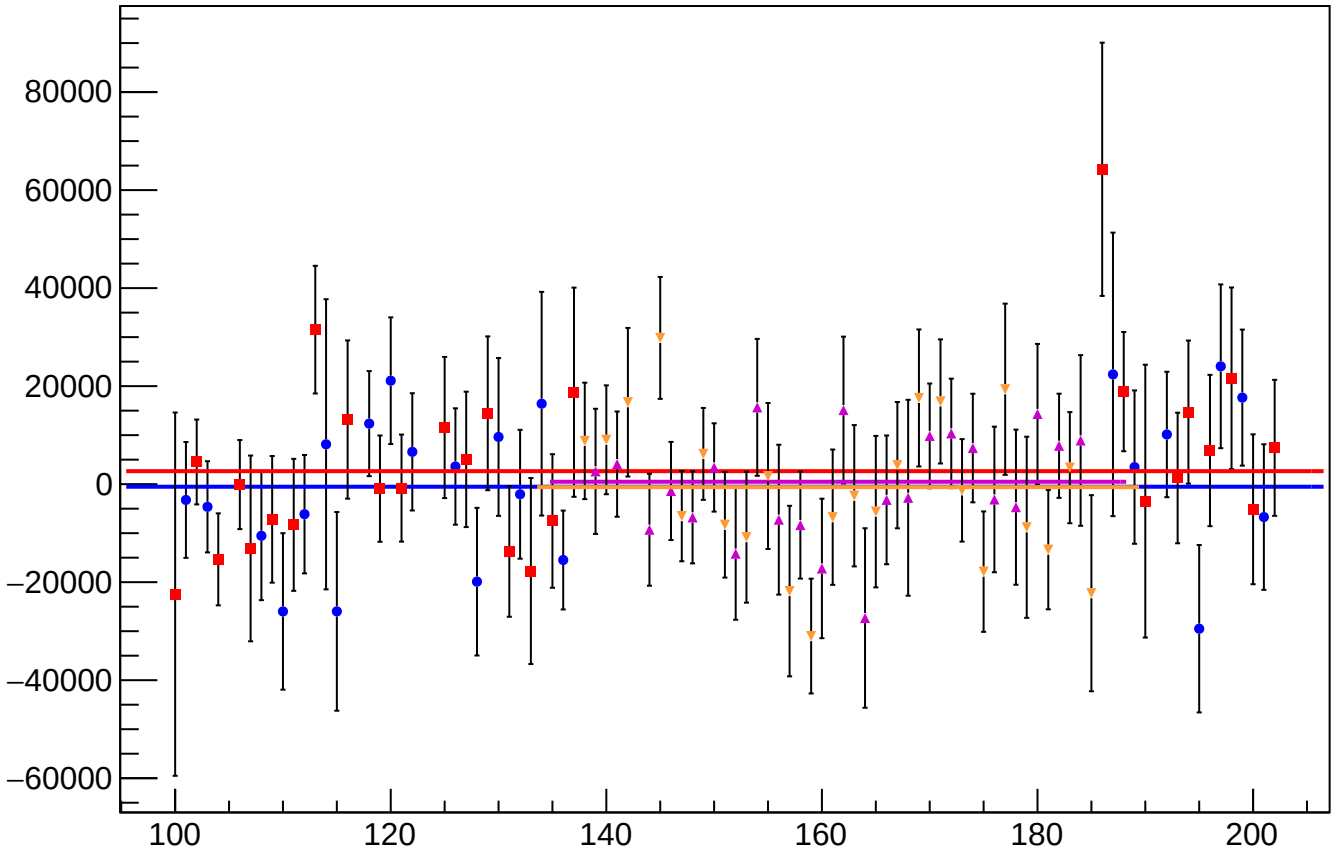
Right Out: 2272.332+/-0.432 χ^2/NDF: 192671.6/26

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2326.028+/-0.297 χ^2/NDF: 349569.8/46

All: 2323.848+/-0.207 χ^2/NDF: 658056.7/96

- sign 2321.771+/-0.290 χ^2/NDF: 308381.6/49



Right In: -523.865+/-2868.370 χ^2/NDF: 23.1/22

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

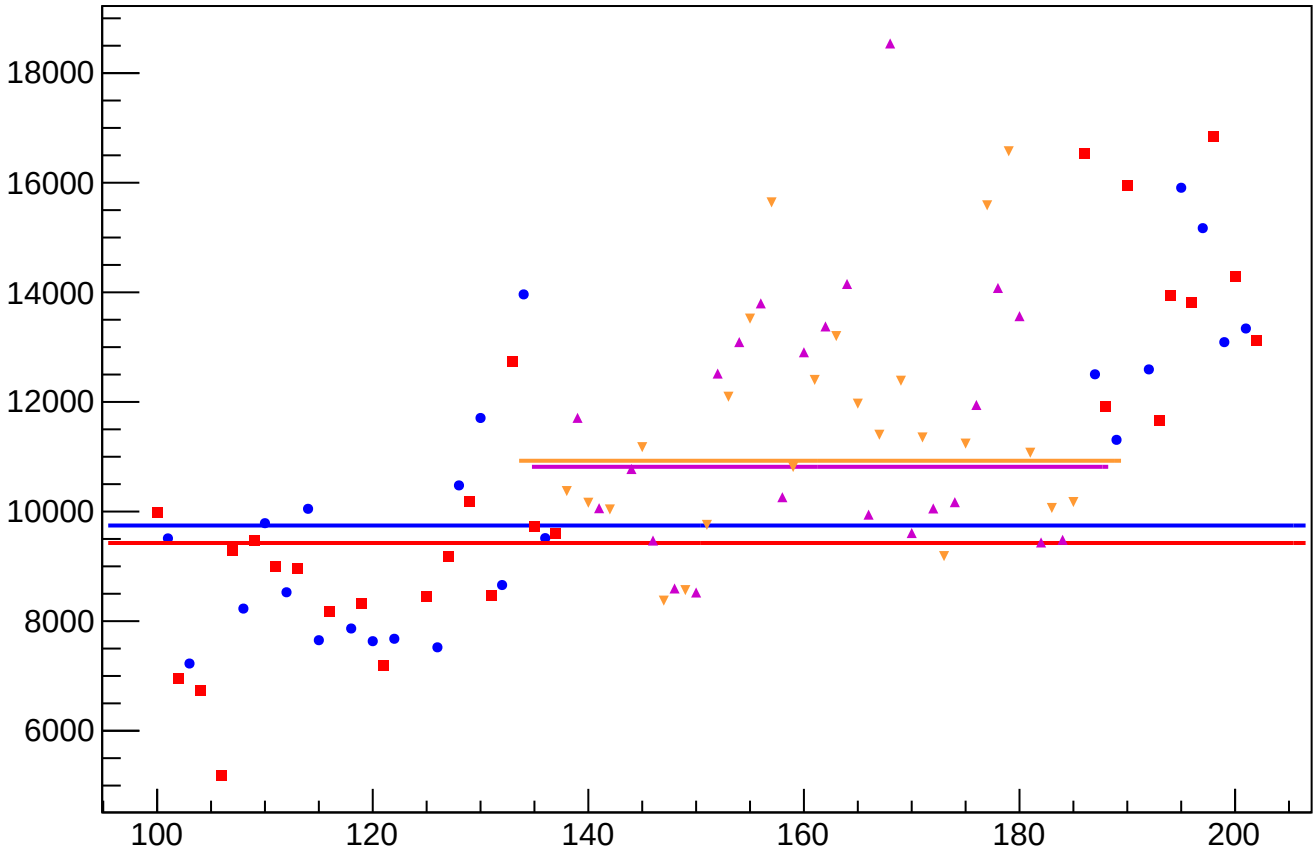
Right Out: 2652.051+/-2626.197 χ^2/NDF: 26.2/26

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -570.369+/-1922.275 χ^2/NDF: 52.0/46

All: 536.849+/-1329.000 χ^2/NDF: 92.7/96

- sign 1550.696+/-1839.439 χ^2/NDF: 40.1/49



Right In: 9745.246+/-2.028 χ^2/NDF: 1419794.8/22

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

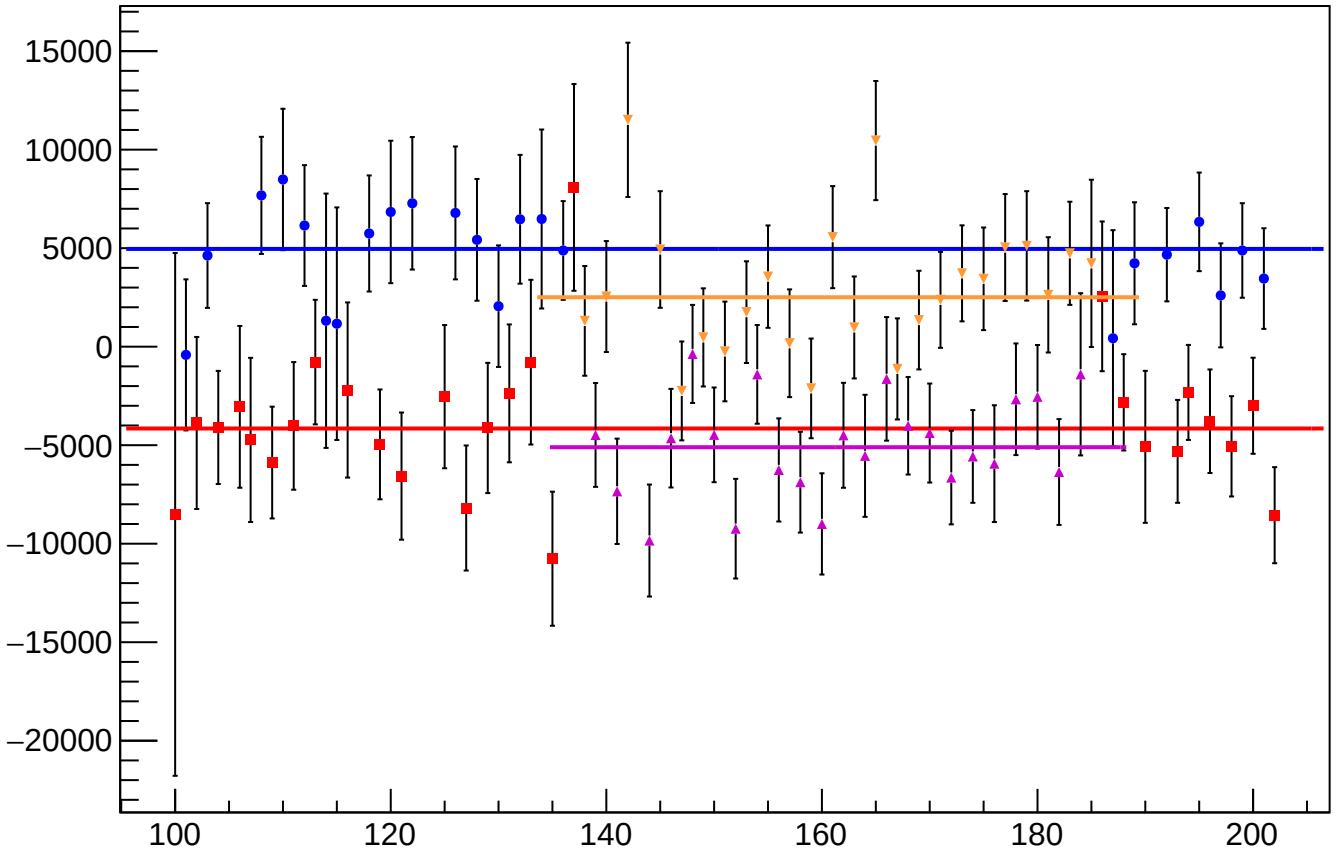
Right Out: 9426.286+/-1.857 χ^2/NDF: 2389664.7/26

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10396.176+/-1.359 χ^2/NDF: 2664094.9/46

All: 10259.520+/-0.940 χ^2/NDF: 6555371.5/9

- sign 10134.387+/-1.301 χ^2/NDF: 3871913.3/49



Right In: 4961.803+/-647.578 χ^2/NDF: 9.2/22

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -4153.173+/-611.126 χ^2/NDF: 22.4/26

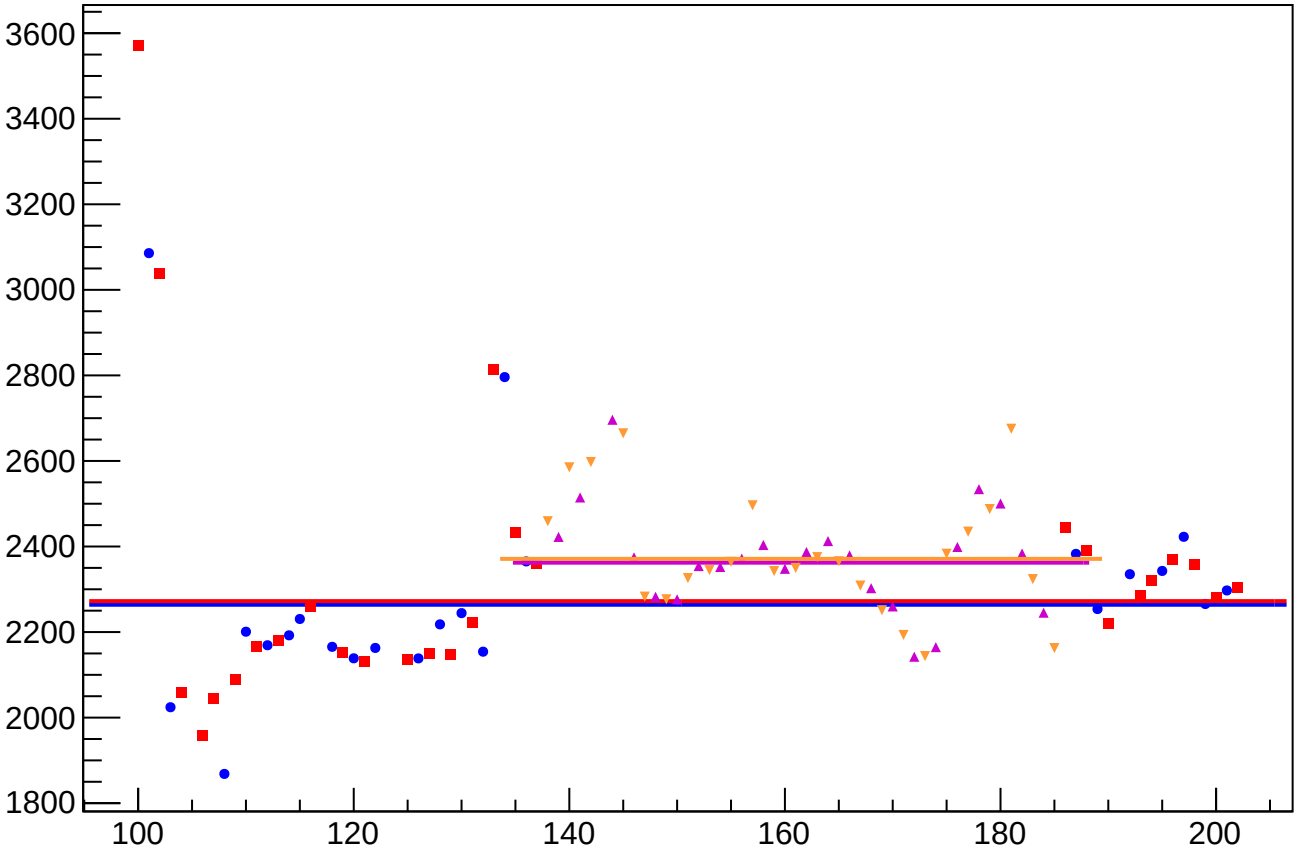
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3540.319+/-419.916 χ^2/NDF: 47.3/46

All: -667.124+/-293.310 χ^2/NDF: 287.0/96

- sign -4675.747+/-409.874 χ^2/NDF: 43.6/49

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2263.856+/-0.458 χ^2/NDF: 201464.0/22

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

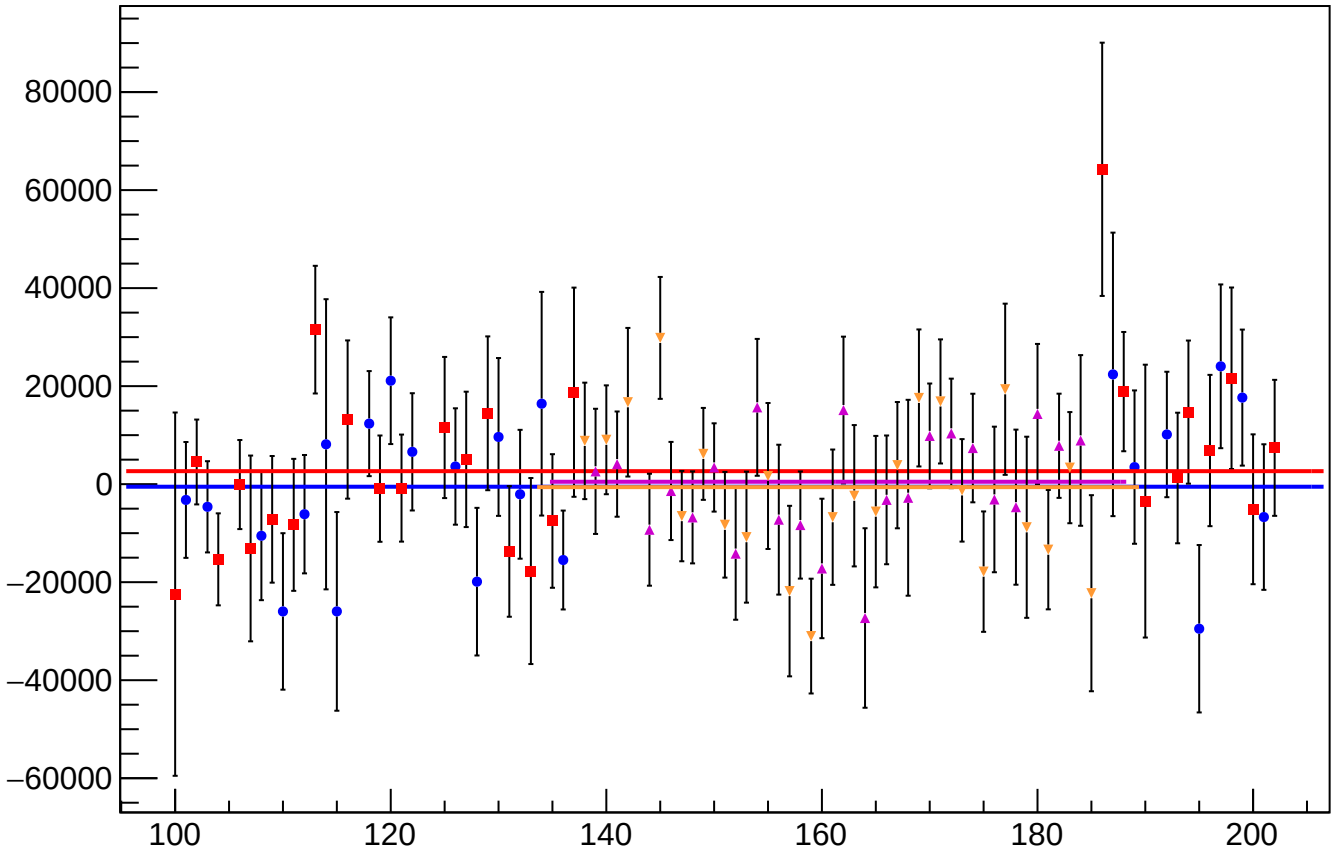
Right Out: 2272.331+/-0.432 χ^2/NDF: 192671.9/26

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2326.030+/-0.297 χ^2/NDF: 349576.8/46

All: 2323.849+/-0.207 χ^2/NDF: 658070.3/96

- sign 2321.773+/-0.290 χ^2/NDF: 308388.2/49



Right In: -523.854+/-2868.366 χ^2/NDF: 23.1/22

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

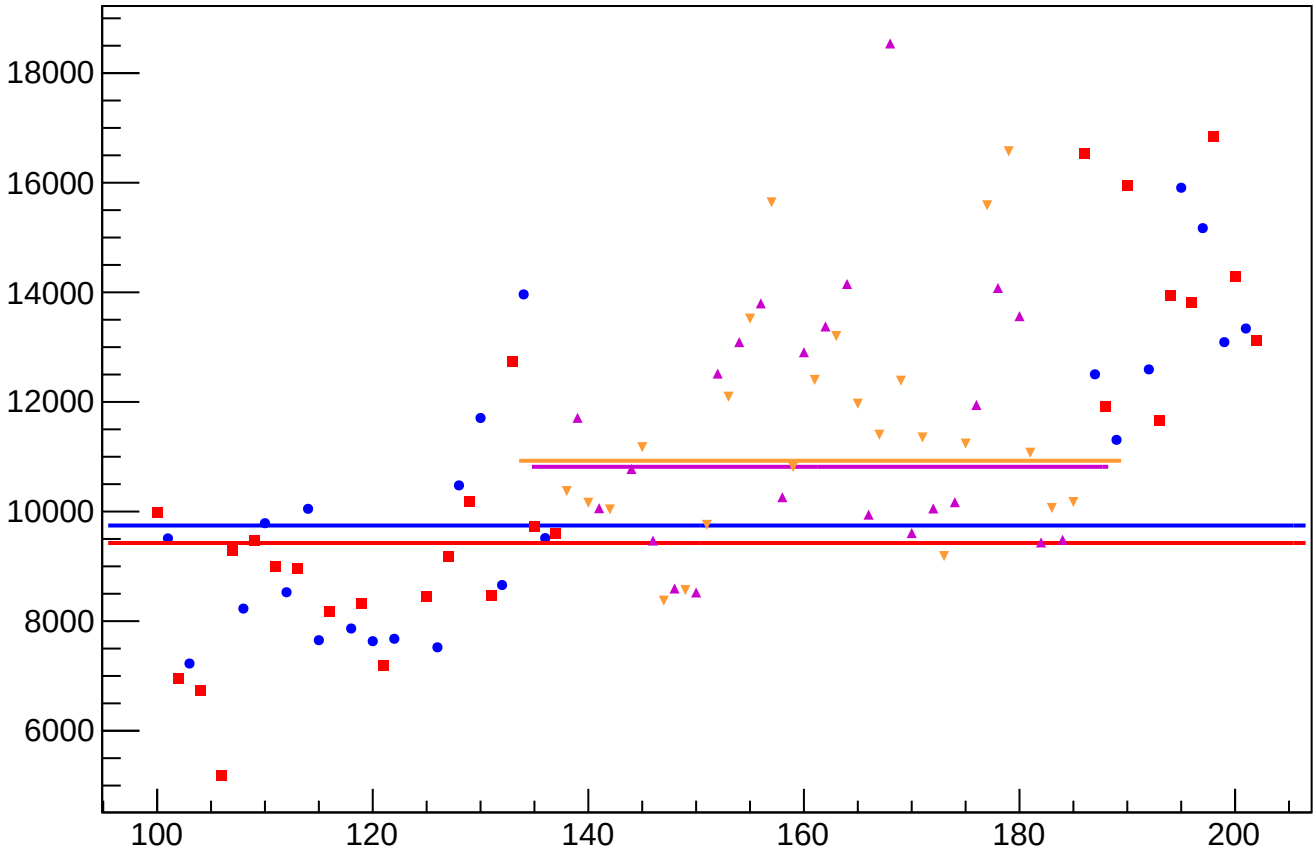
Right Out: 2652.037+/-2626.193 χ^2/NDF: 26.2/26

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -570.369+/-1922.275 χ^2/NDF: 52.0/46

All: 536.848+/-1329.000 χ^2/NDF: 92.7/96

- sign 1550.694+/-1839.439 χ^2/NDF: 40.1/49



Right In: 9745.228+/-2.028 χ^2/NDF: 1419812.7/22

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9426.270+/-1.857 χ^2/NDF: 2389681.0/26

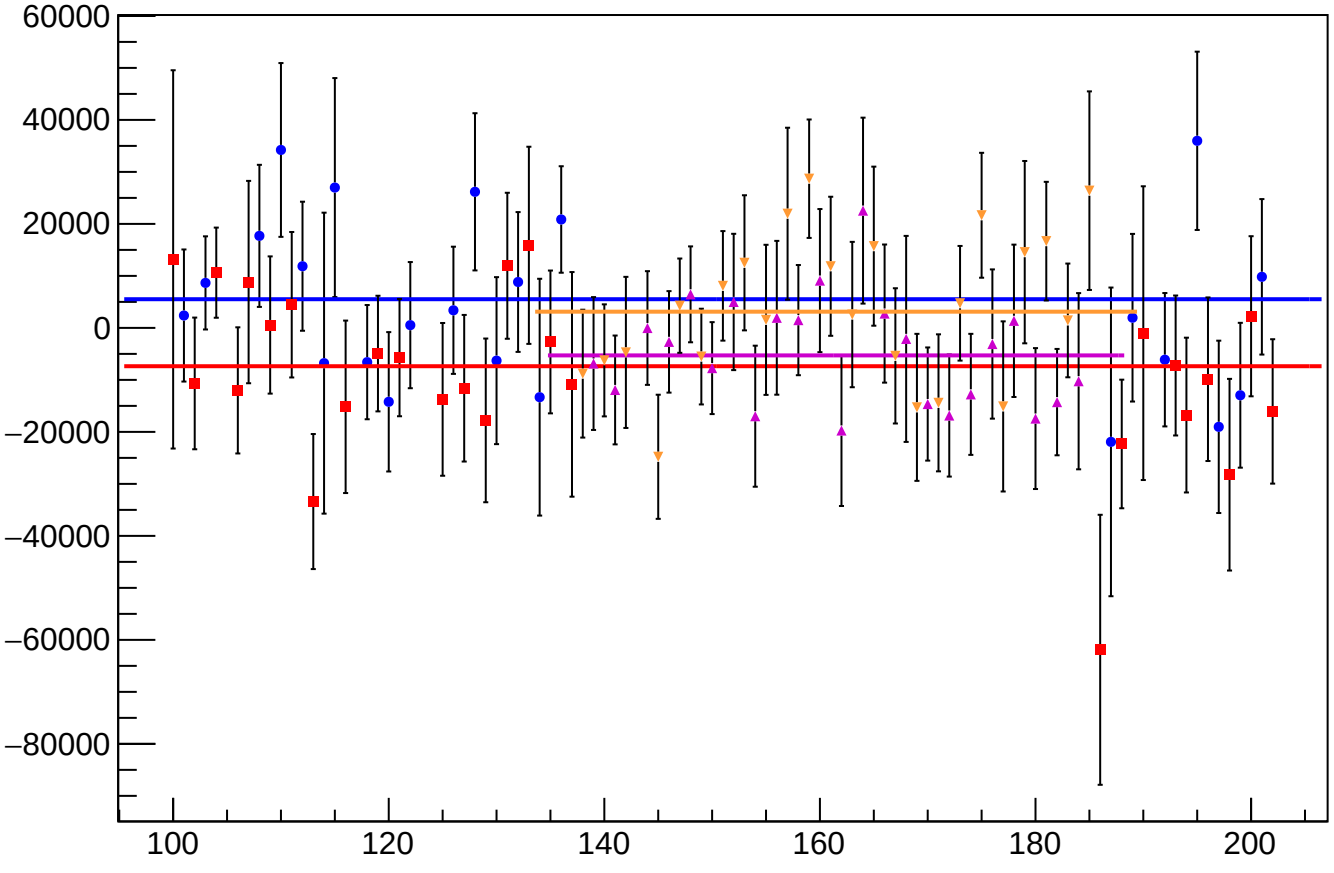
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10396.175+/-1.359 χ^2/NDF: 2664126.8/46

All: 10259.519+/-0.940 χ^2/NDF: 6555436.9/9

- sign 10134.386+/-1.301 χ^2/NDF: 3871946.7/49

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5515.138+/-2912.787 χ^2/NDF: 23.3/22

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -7370.980+/-2764.920 χ^2/NDF: 23.6/26

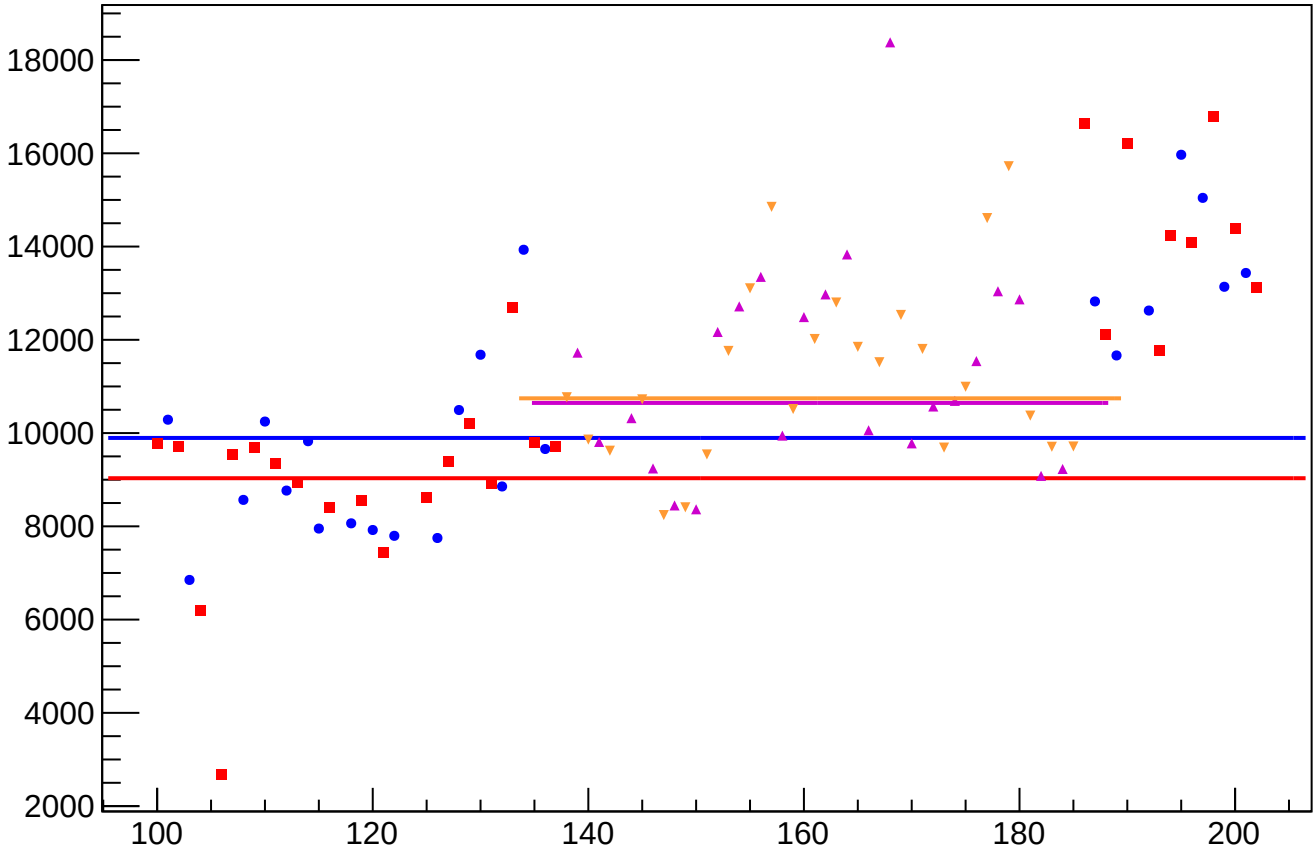
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4155.429+/-1915.593 χ^2/NDF: 51.1/46

All: -1173.790+/-1337.281 χ^2/NDF: 103.5/96

- sign -6239.956+/-1867.718 χ^2/NDF: 37.2/49

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 9895.859+/-2.060 χ^2/NDF: 1409121.1/22

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

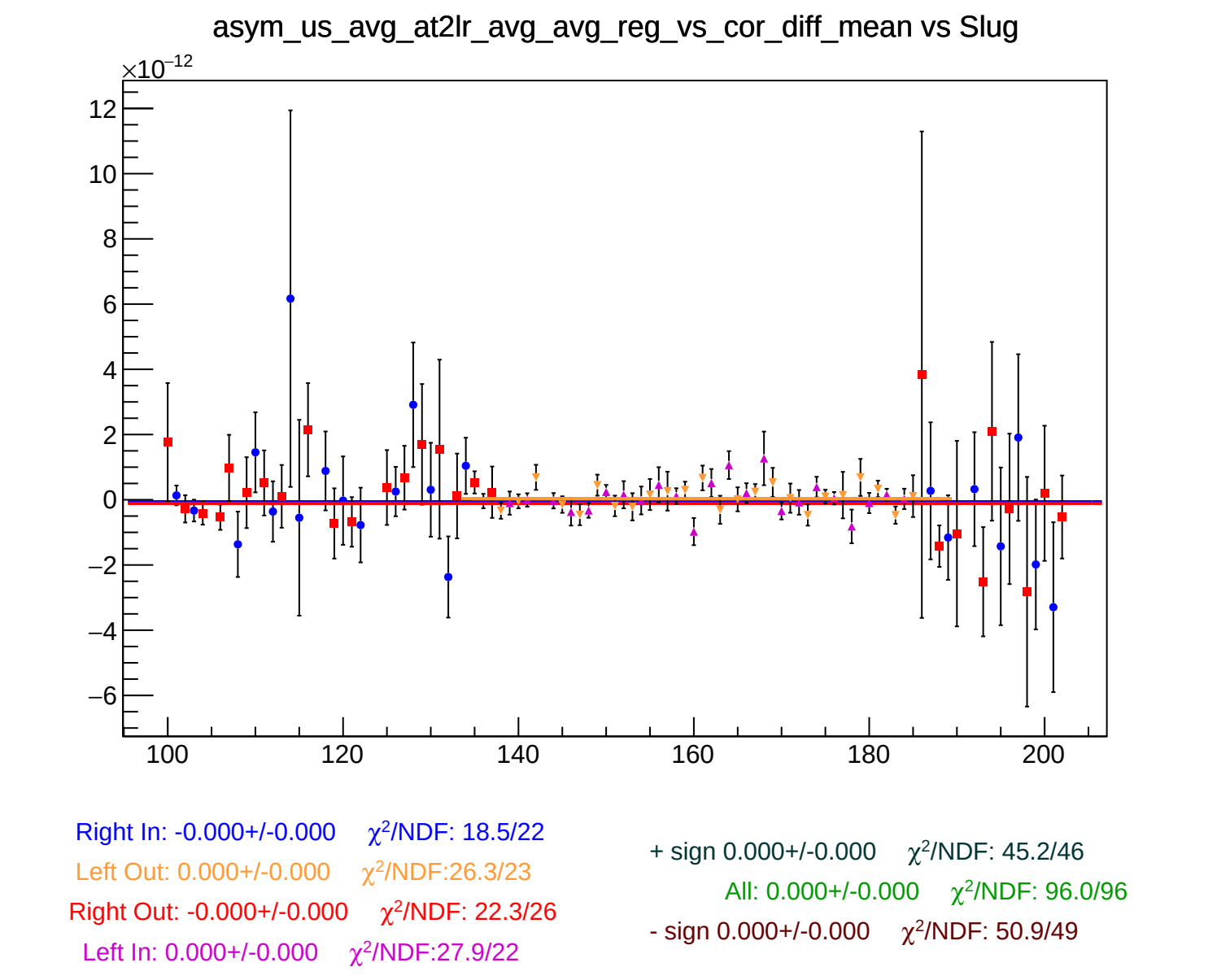
Right Out: 9032.024+/-1.850 χ^2/NDF: 3883688.3/26

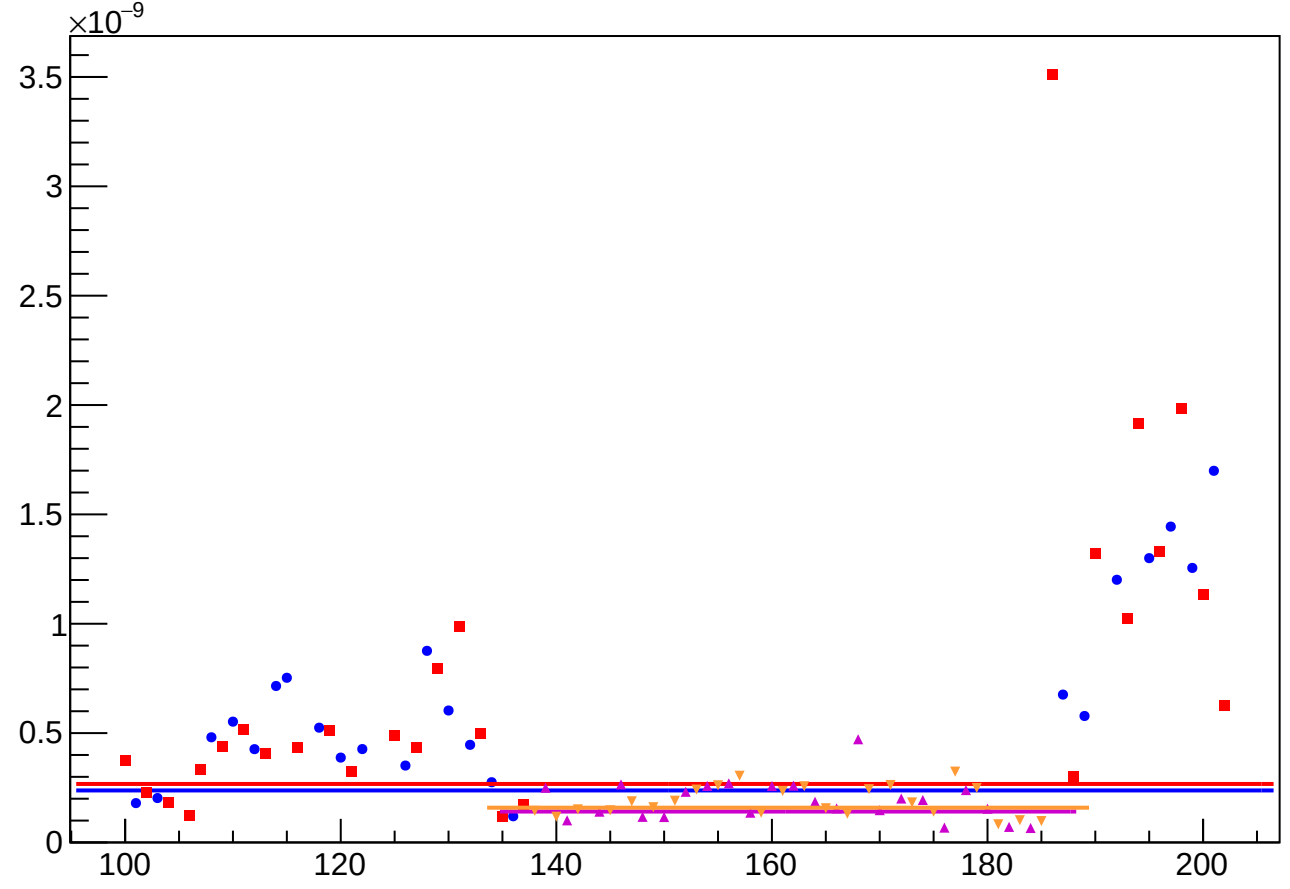
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10377.928+/-1.355 χ^2/NDF: 2470272.9/46

All: 10108.530+/-0.933 χ^2/NDF: 7936369.8/9

- sign 9865.385+/-1.287 χ^2/NDF: 5390839.3/49


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 18.5/22
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/26
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 45.2/46
All: 0.000+/-0.000 χ²/NDF: 96.0/96
- sign 0.000+/-0.000 χ²/NDF: 50.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 4534770.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

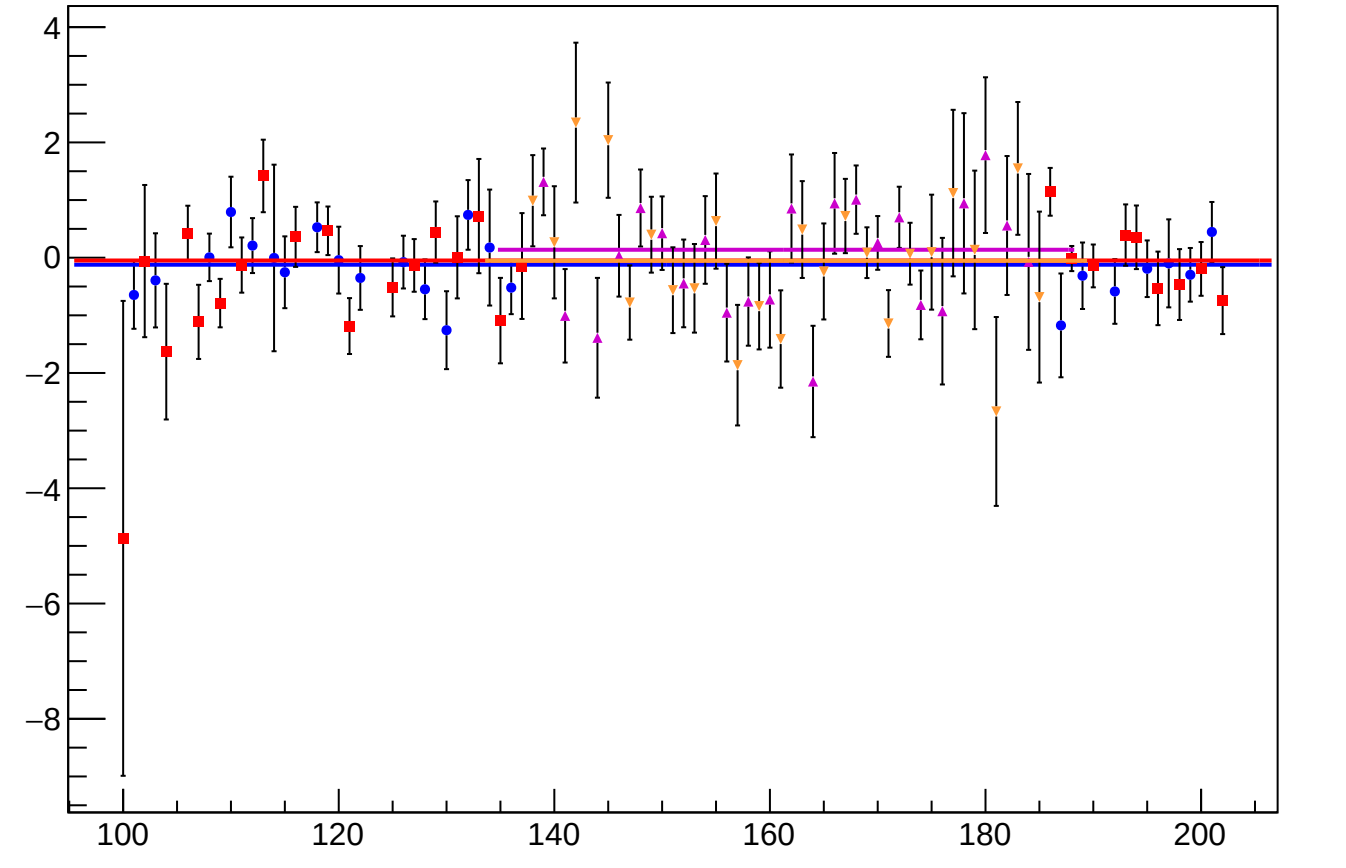
Right Out: 0.000+/-0.000 χ^2/NDF: 4872567.1/26

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6357917.4/46

All: 0.000+/-0.000 χ^2/NDF: 14915304.4/96

- sign 0.000+/-0.000 χ^2/NDF: 8499105.7/49



Right In: -0.122+/-0.117 χ^2/NDF: 16.1/22

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

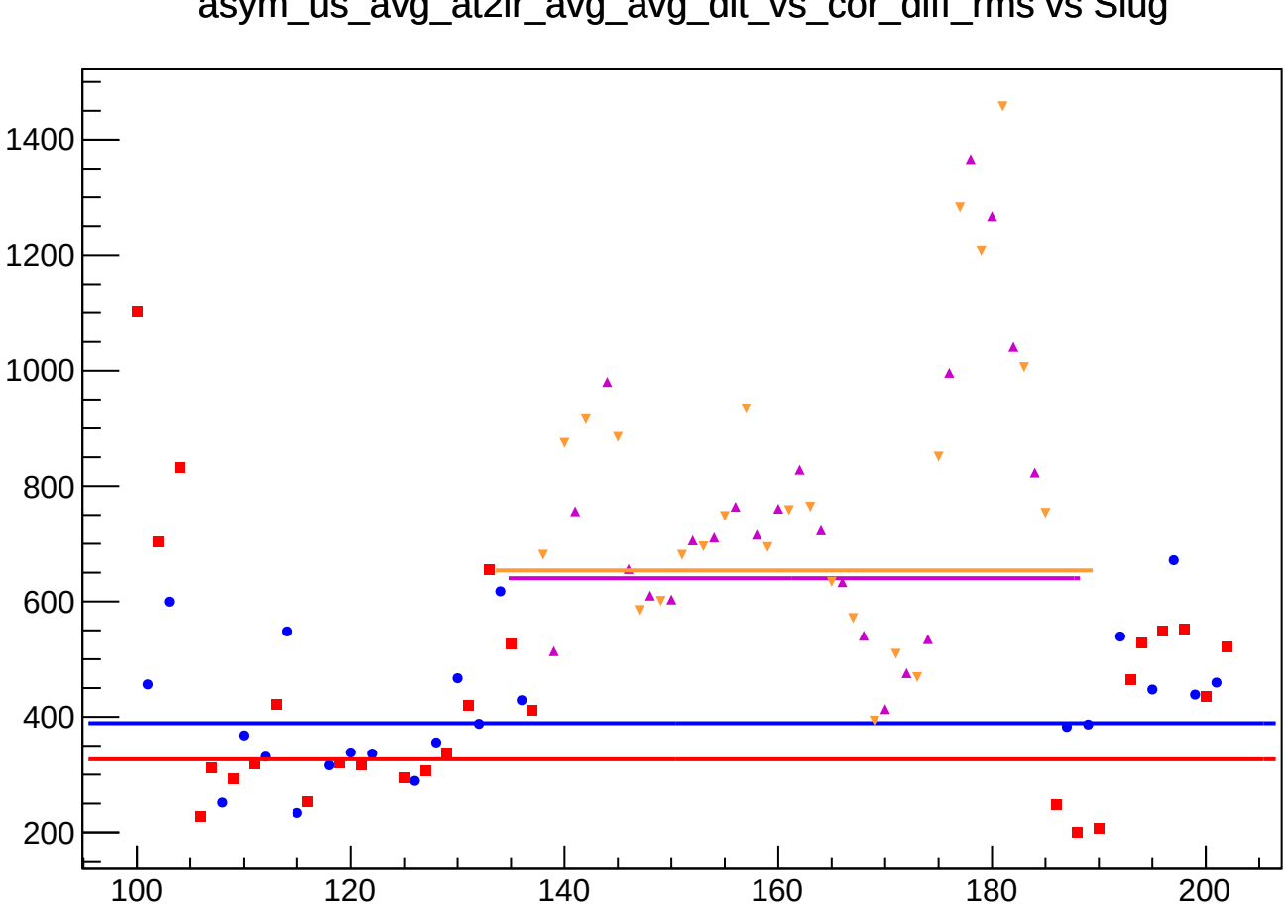
Right Out: -0.049+/-0.097 χ^2/NDF: 39.6/26

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.098+/-0.095 χ^2/NDF: 46.4/46

All: -0.041+/-0.062 χ^2/NDF: 117.6/96

- sign 0.002+/-0.083 χ^2/NDF: 70.5/49



Right In: 389.062+/-0.083 χ^2/NDF: 1401028.9/22

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

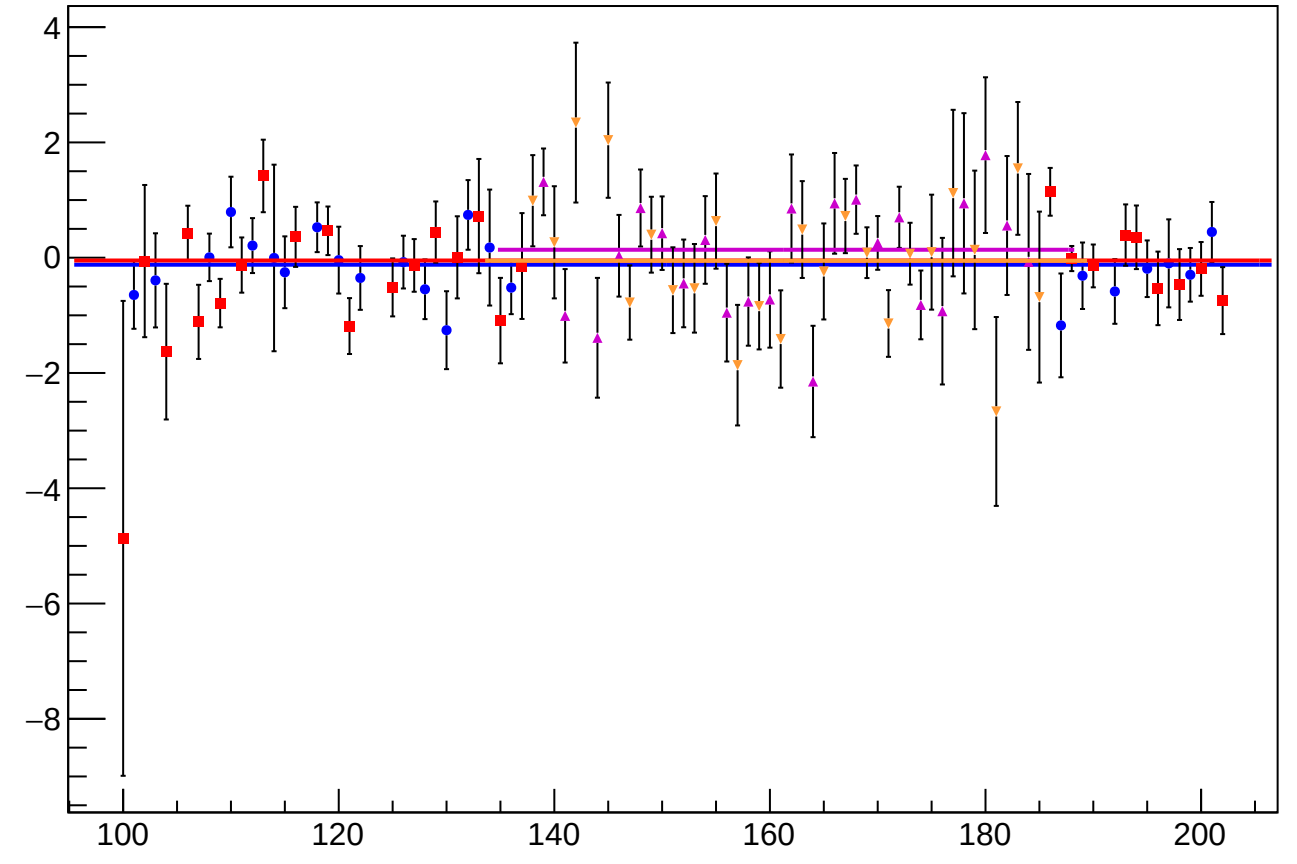
Right Out: 326.596+/-0.069 χ^2/NDF: 3420872.1/26

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 480.661+/-0.067 χ^2/NDF: 8052189.6/46

All: 442.035+/-0.044 χ^2/NDF: 20438581.7/96

- sign 412.691+/-0.058 χ^2/NDF: 11803004.7/49



Right In: -0.122+/-0.117 χ^2/NDF: 16.1/22

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

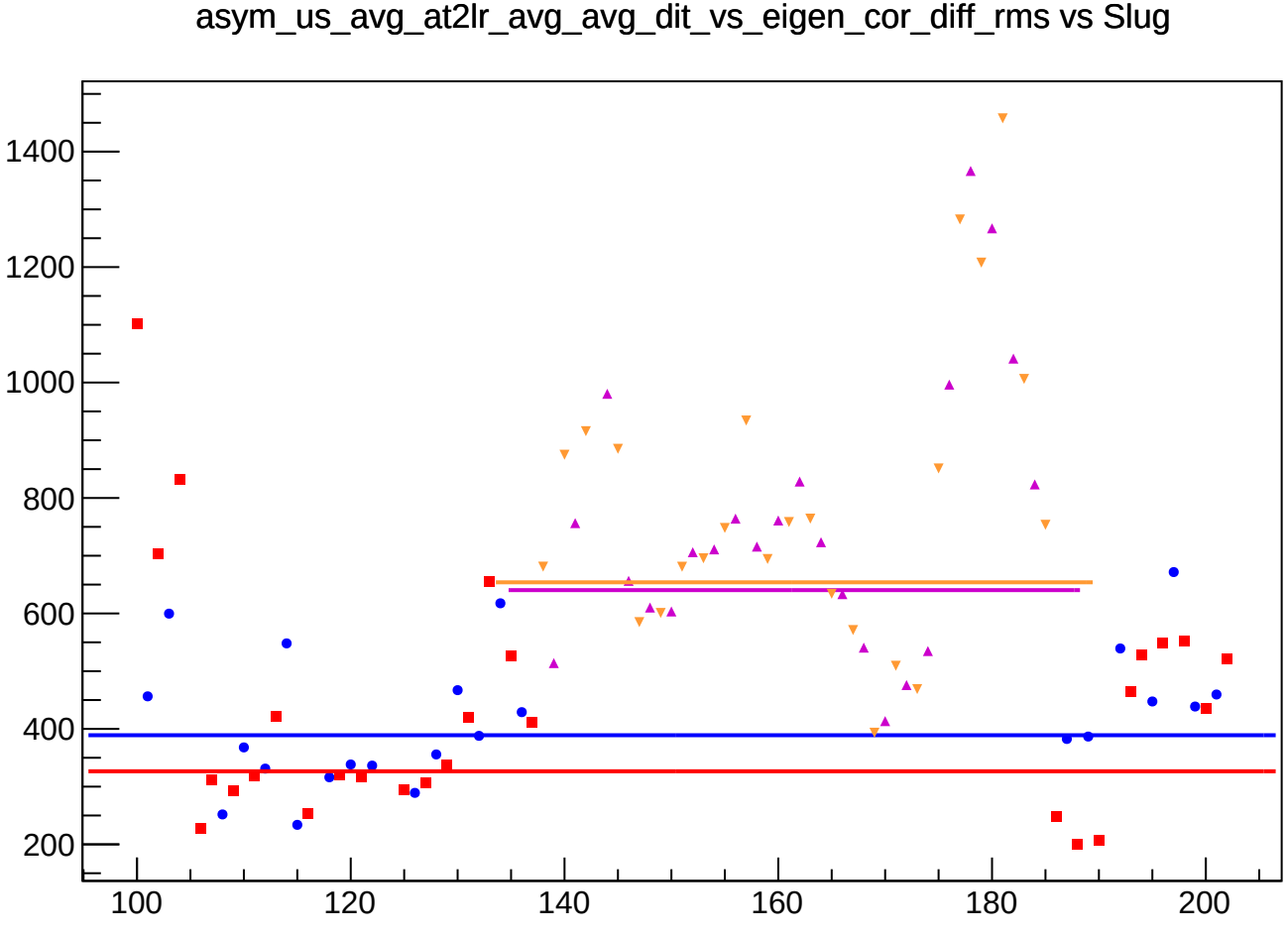
Right Out: -0.049+/-0.097 χ^2/NDF: 39.6/26

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.098+/-0.095 χ^2/NDF: 46.4/46

All: -0.041+/-0.062 χ^2/NDF: 117.6/96

- sign 0.002+/-0.083 χ^2/NDF: 70.5/49


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1400
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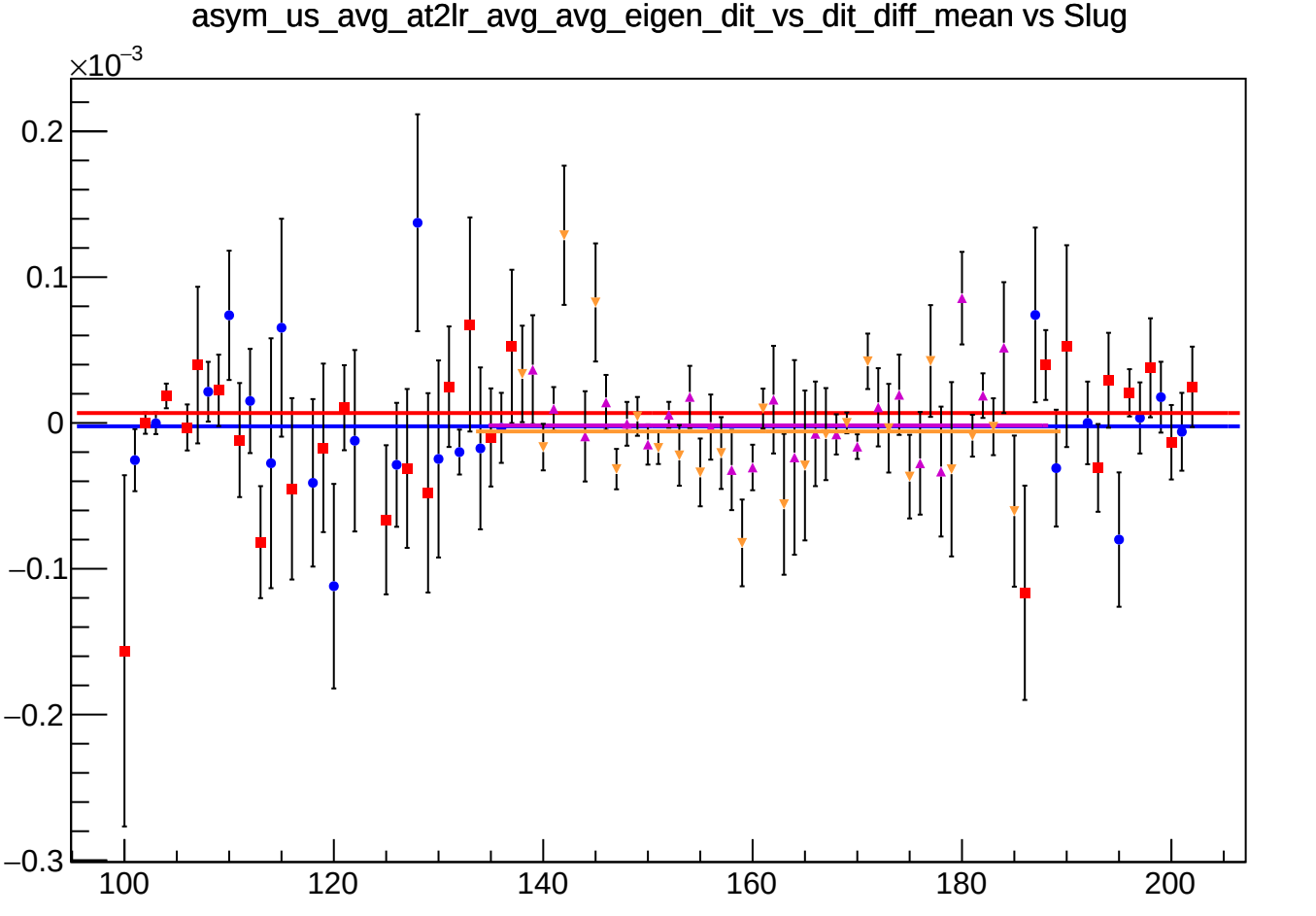
Right In: 389.062+/-0.083 χ²/NDF: 1401028.9/22
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 326.596+/-0.069 χ²/NDF: 3420872.1/26
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 480.661+/-0.067 χ²/NDF: 8052189.6/46
All: 442.035+/-0.044 χ²/NDF: 20438581.7/96
- sign 412.691+/-0.058 χ²/NDF: 11803004.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

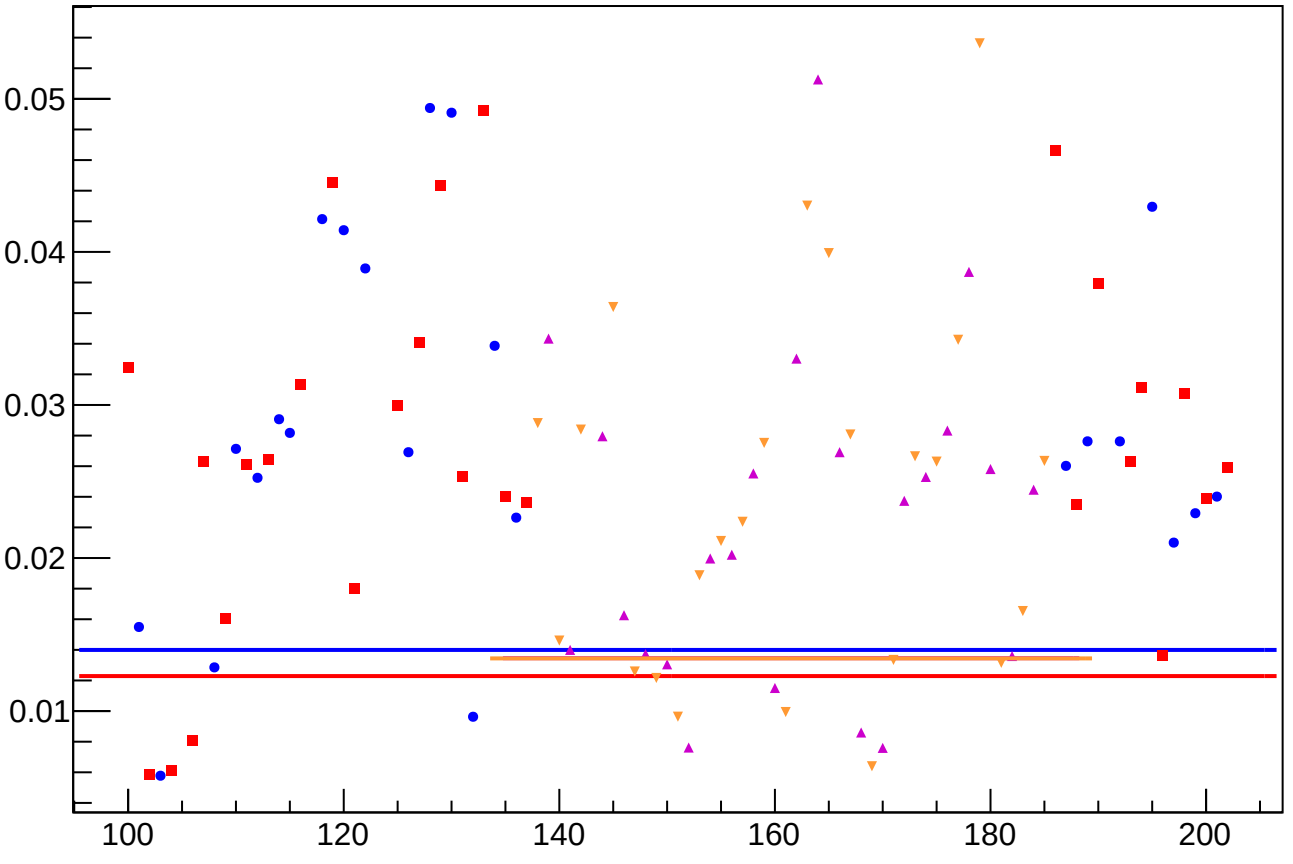
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/26

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.7/46

All: -0.000+/-0.000 χ^2/NDF: 121.3/96

- sign 0.000+/-0.000 χ^2/NDF: 55.0/49



Right In: 0.014+/-0.000 χ^2/NDF: 8213742.7/22

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

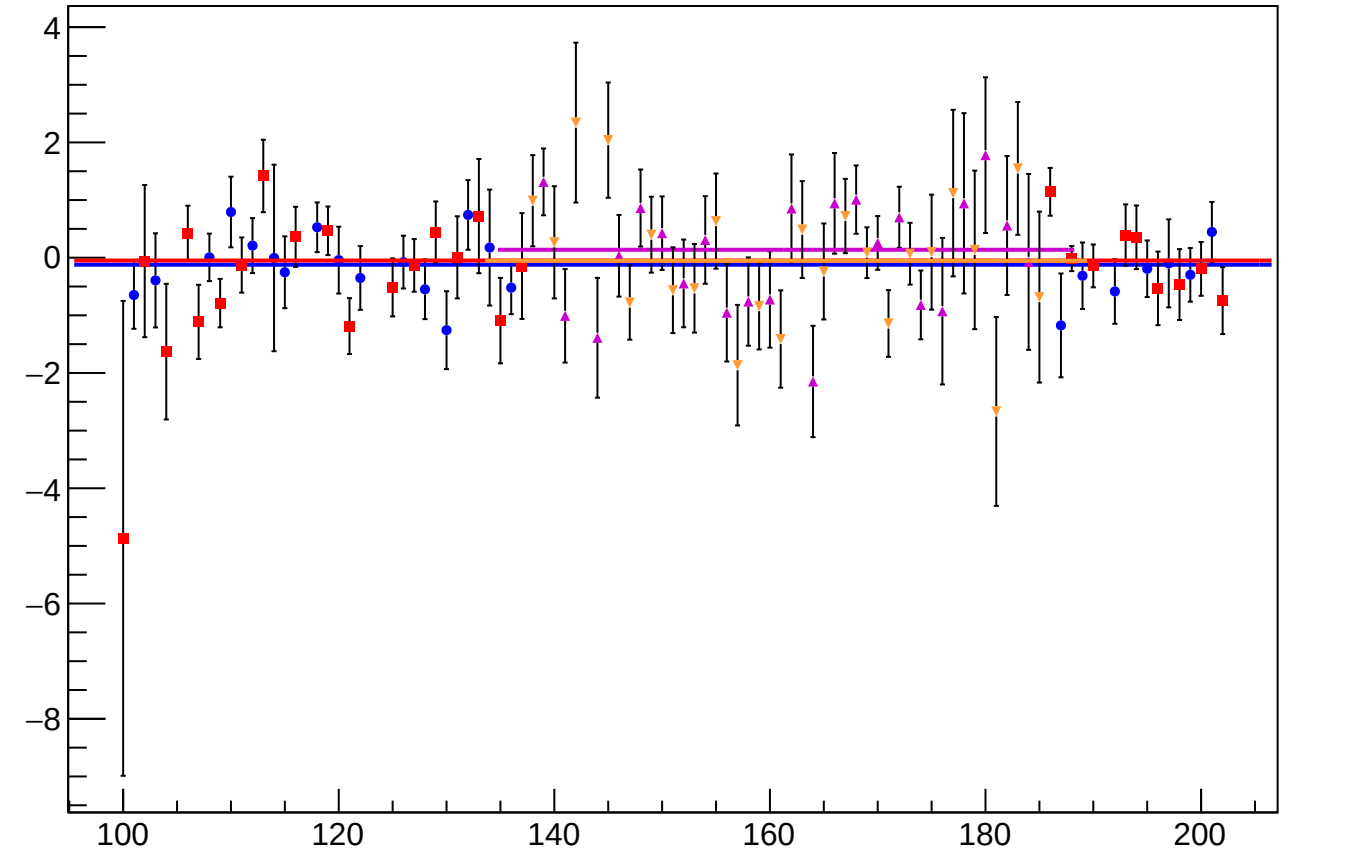
Right Out: 0.012+/-0.000 χ^2/NDF: 10206702.1/26

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.014+/-0.000 χ^2/NDF: 17085656.3/46

All: 0.013+/-0.000 χ^2/NDF: 34985110.1/96

- sign 0.013+/-0.000 χ^2/NDF: 17841390.1/49



Right In: -0.122+/-0.117 χ^2/NDF: 16.1/22

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

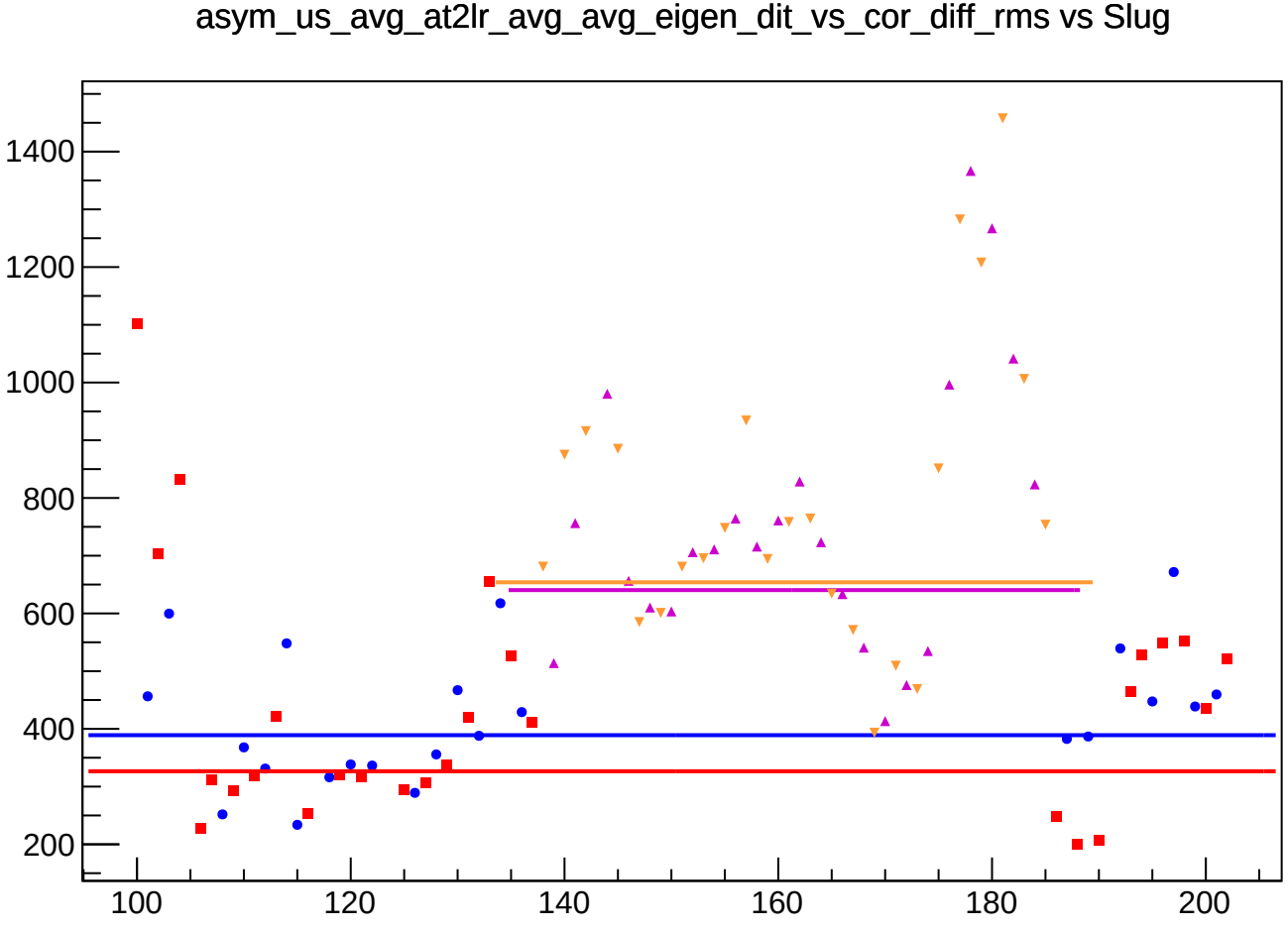
Right Out: -0.049+/-0.097 χ^2/NDF: 39.6/26

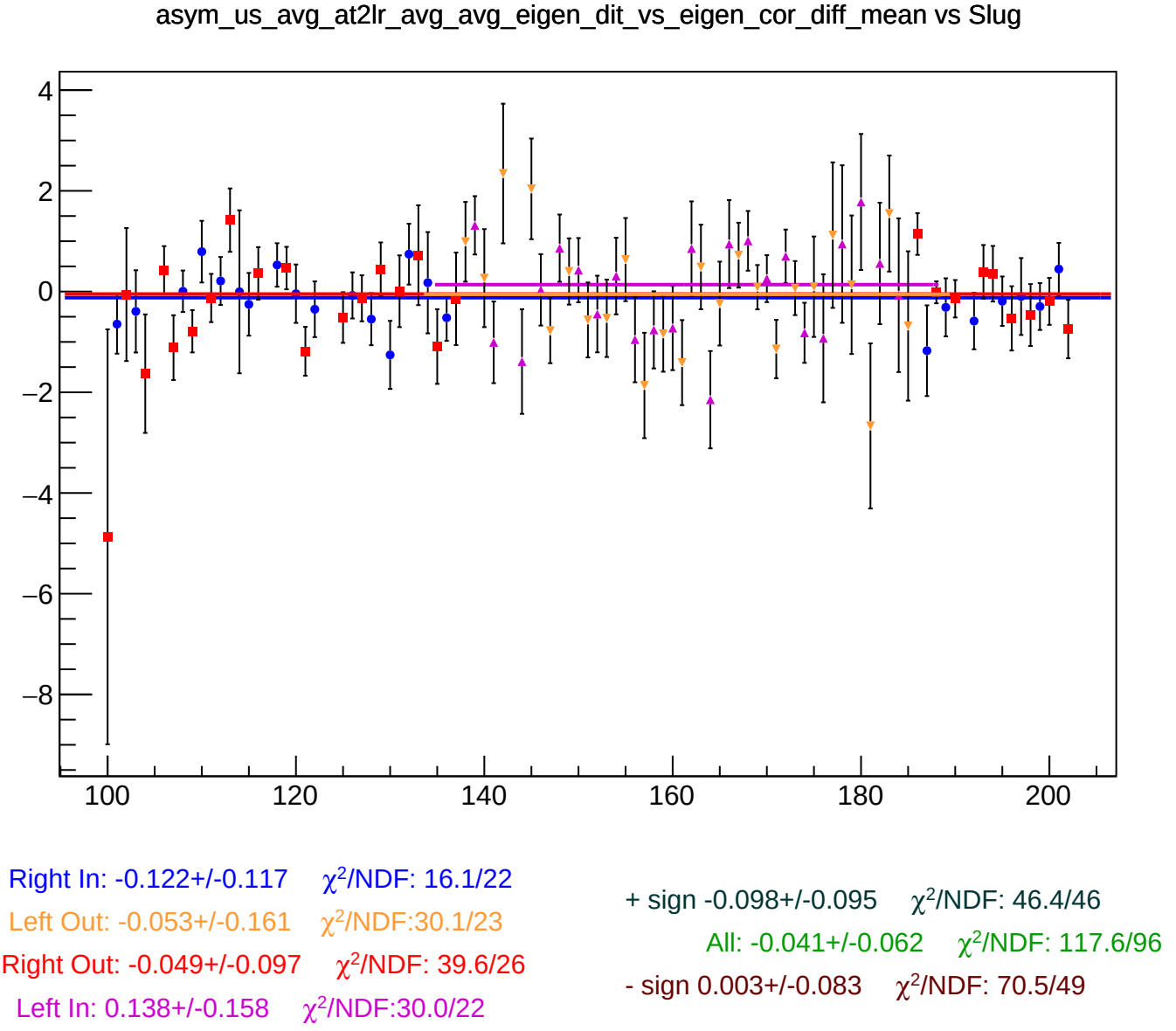
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

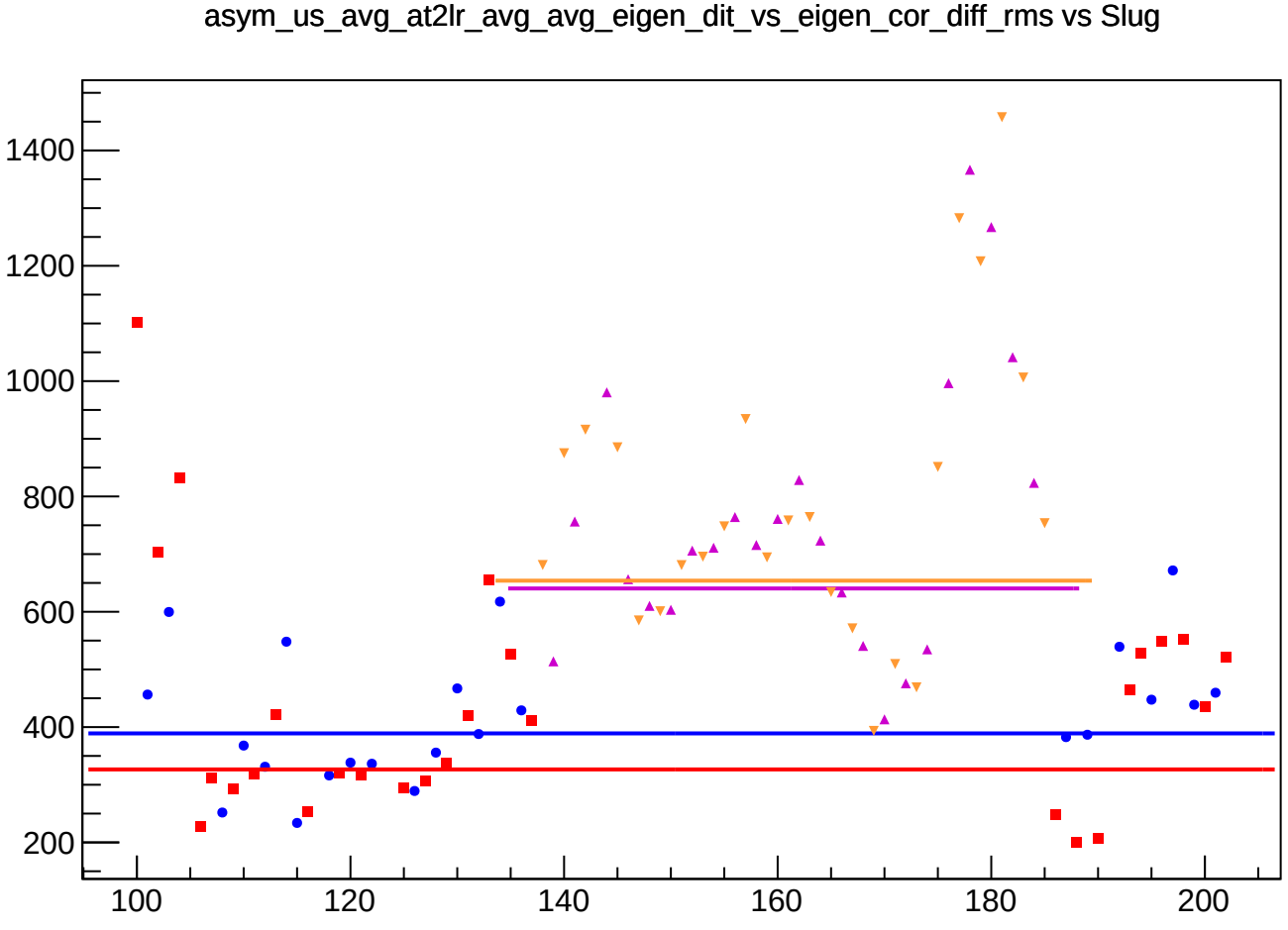
+ sign -0.098+/-0.095 χ^2/NDF: 46.4/46

All: -0.041+/-0.062 χ^2/NDF: 117.6/96

- sign 0.003+/-0.083 χ^2/NDF: 70.5/49


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 389.062+/-0.083 χ²/NDF: 1401000.6/22
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 326.590+/-0.069 χ²/NDF: 3421061.4/26
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 480.660+/-0.067 χ²/NDF: 8052396.2/46
All: 442.030+/-0.044 χ²/NDF: 20439537.3/96
- sign 412.685+/-0.058 χ²/NDF: 11803659.8/49


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.122+/-0.117 χ²/NDF: 16.1/22
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: -0.049+/-0.097 χ²/NDF: 39.6/26
Left In: 0.138+/-0.158 χ²/NDF:30.0/22
+ sign -0.098+/-0.095 χ²/NDF: 46.4/46
All: -0.041+/-0.062 χ²/NDF: 117.6/96
- sign 0.003+/-0.083 χ²/NDF: 70.5/49



Right In: 389.062+/-0.083 χ^2/NDF: 1401000.6/22

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

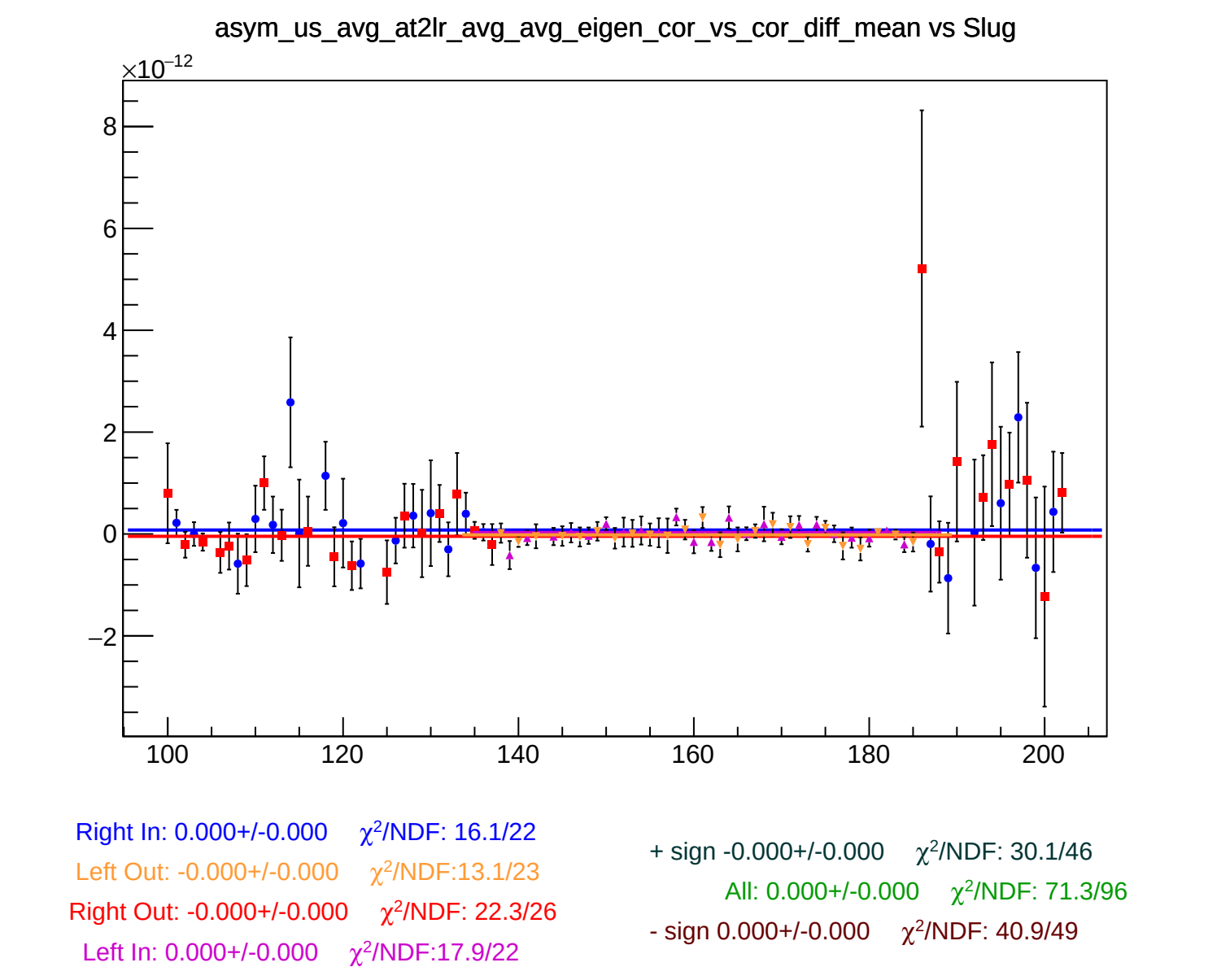
Right Out: 326.590+/-0.069 χ^2/NDF: 3421061.4/26

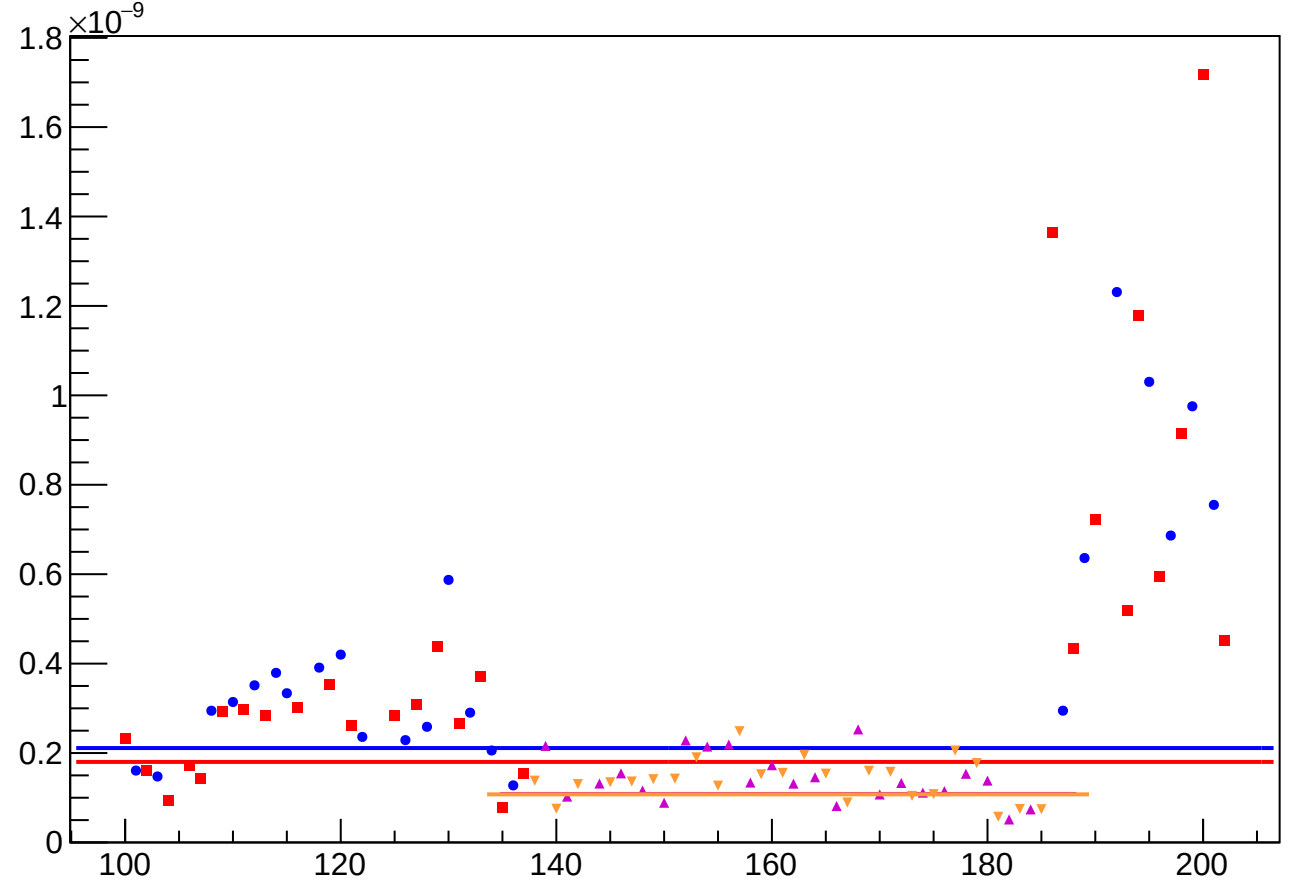
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 480.660+/-0.067 χ^2/NDF: 8052396.2/46

All: 442.030+/-0.044 χ^2/NDF: 20439537.3/96

- sign 412.685+/-0.058 χ^2/NDF: 11803659.8/49


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 16.1/22
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/26
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 30.1/46
All: 0.000+/-0.000 χ²/NDF: 71.3/96
- sign 0.000+/-0.000 χ²/NDF: 40.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 4866931.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6408417.1/26

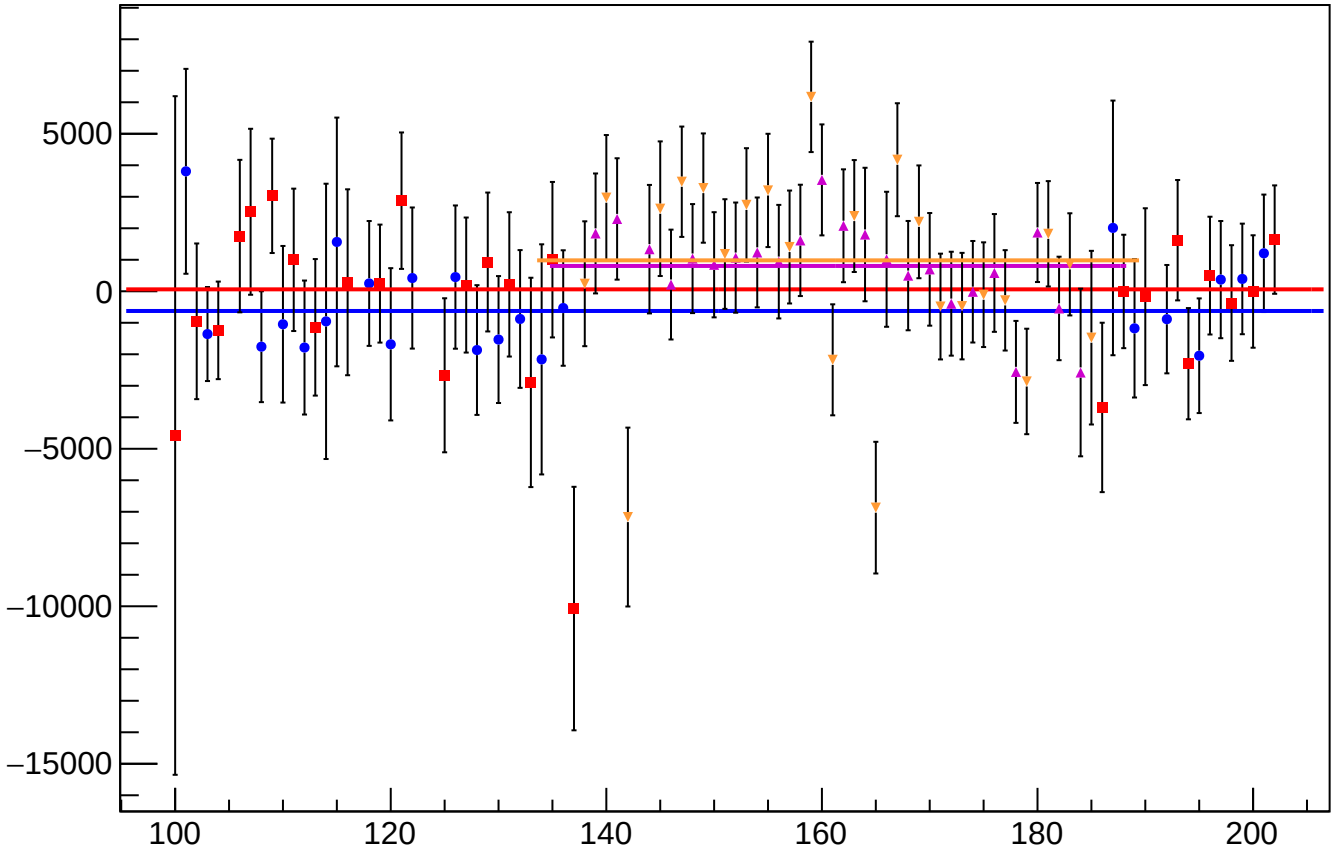
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10465716.0/46

All: 0.000+/-0.000 χ^2/NDF: 22031821.9/96

- sign 0.000+/-0.000 χ^2/NDF: 11565702.6/49

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -625.525+/-444.638 χ^2/NDF: 7.4/22

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 61.202+/-417.568 χ^2/NDF: 21.9/26

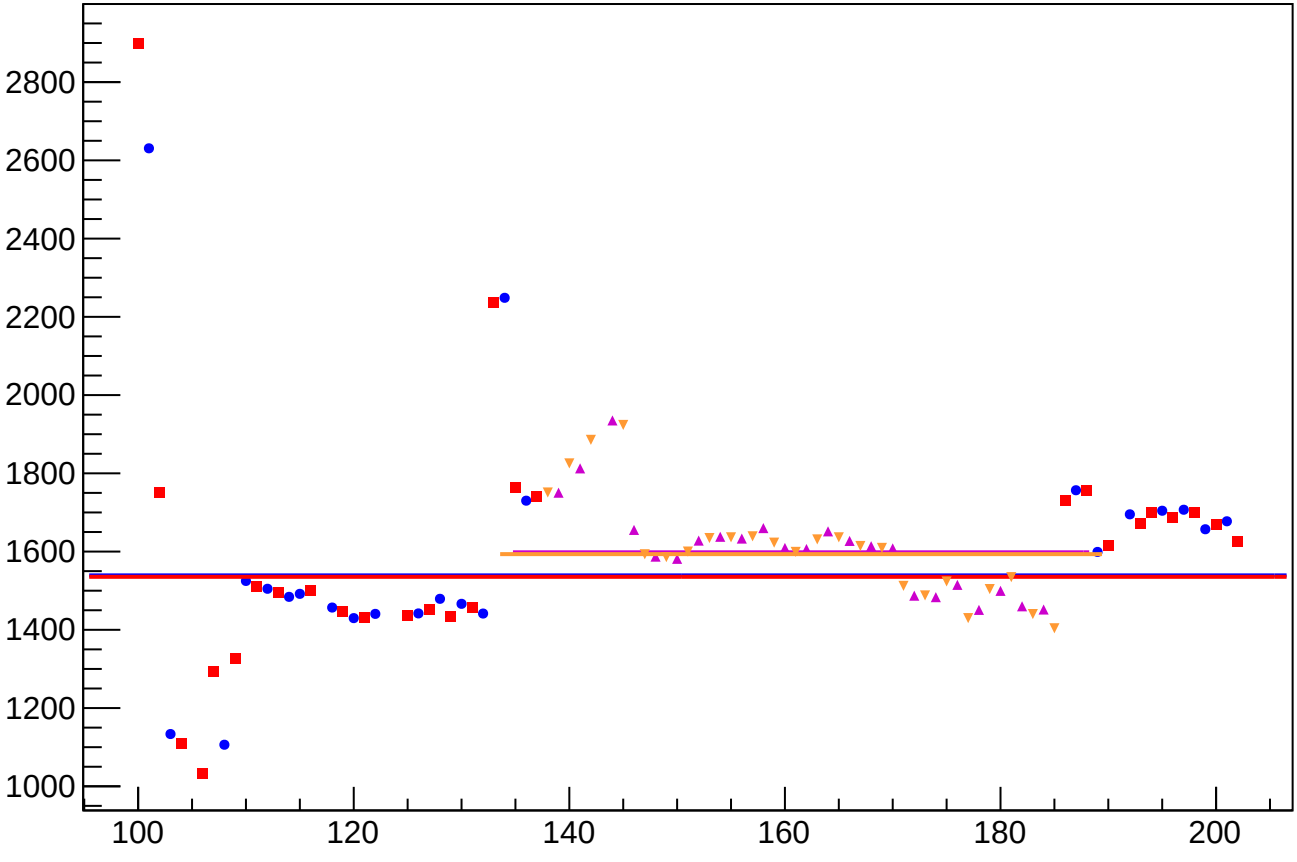
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 322.304+/-284.791 χ^2/NDF: 70.7/46

All: 399.428+/-199.160 χ^2/NDF: 106.9/96

\- sign 473.245+/-278.619 χ^2/NDF: 36.1/49

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1539.139+/-0.314 χ^2/NDF: 692310.9/22

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

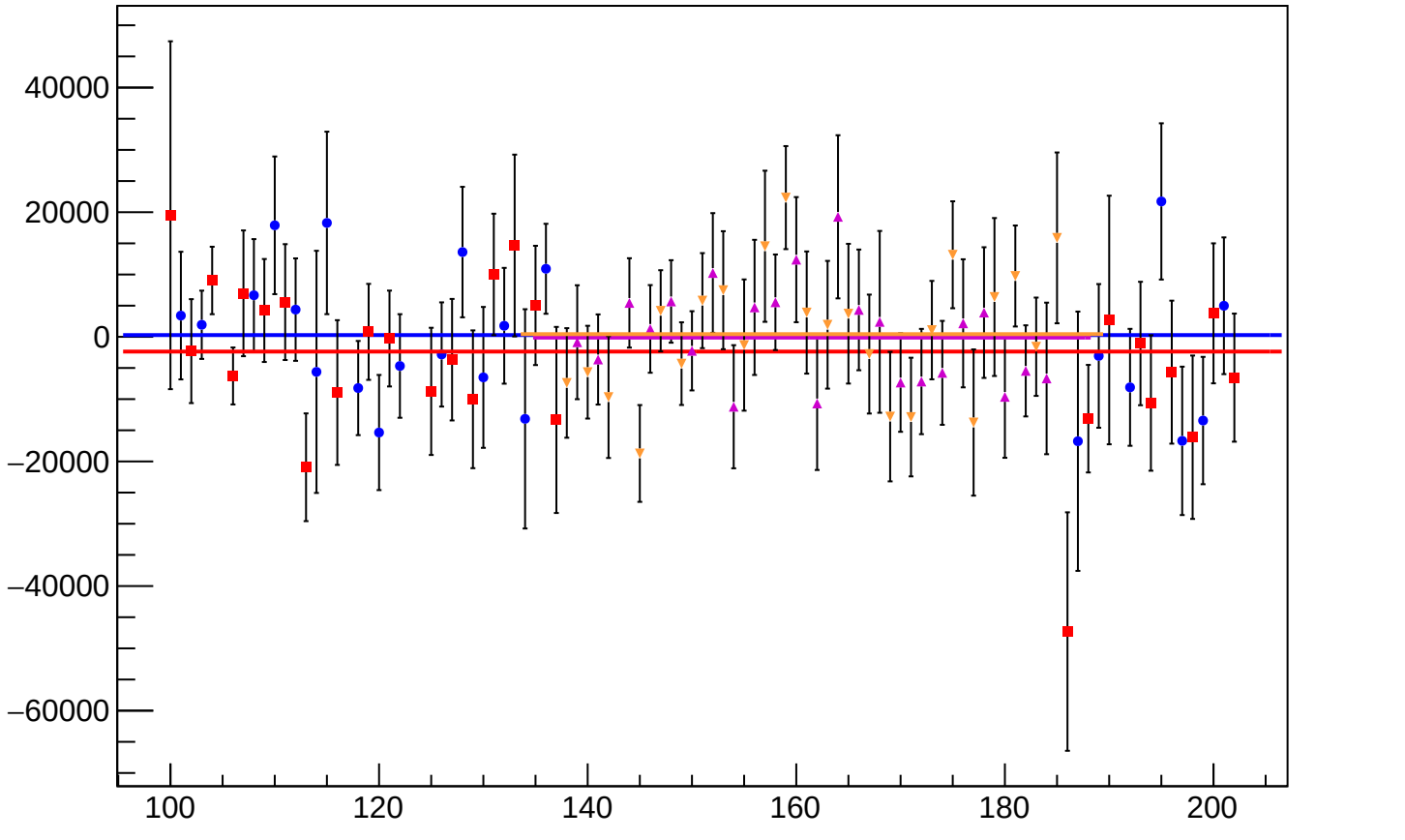
Right Out: 1535.496+/-0.294 χ^2/NDF: 603915.6/26

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1571.188+/-0.201 χ^2/NDF: 897543.4/46

All: 1570.633+/-0.141 χ^2/NDF: 1695706.9/96

- sign 1570.104+/-0.197 χ^2/NDF: 798148.7/49



Right In: 277.787+/-2012.585 χ^2/NDF: 23.0/22

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -2367.621+/-1781.031 χ^2/NDF: 27.6/26

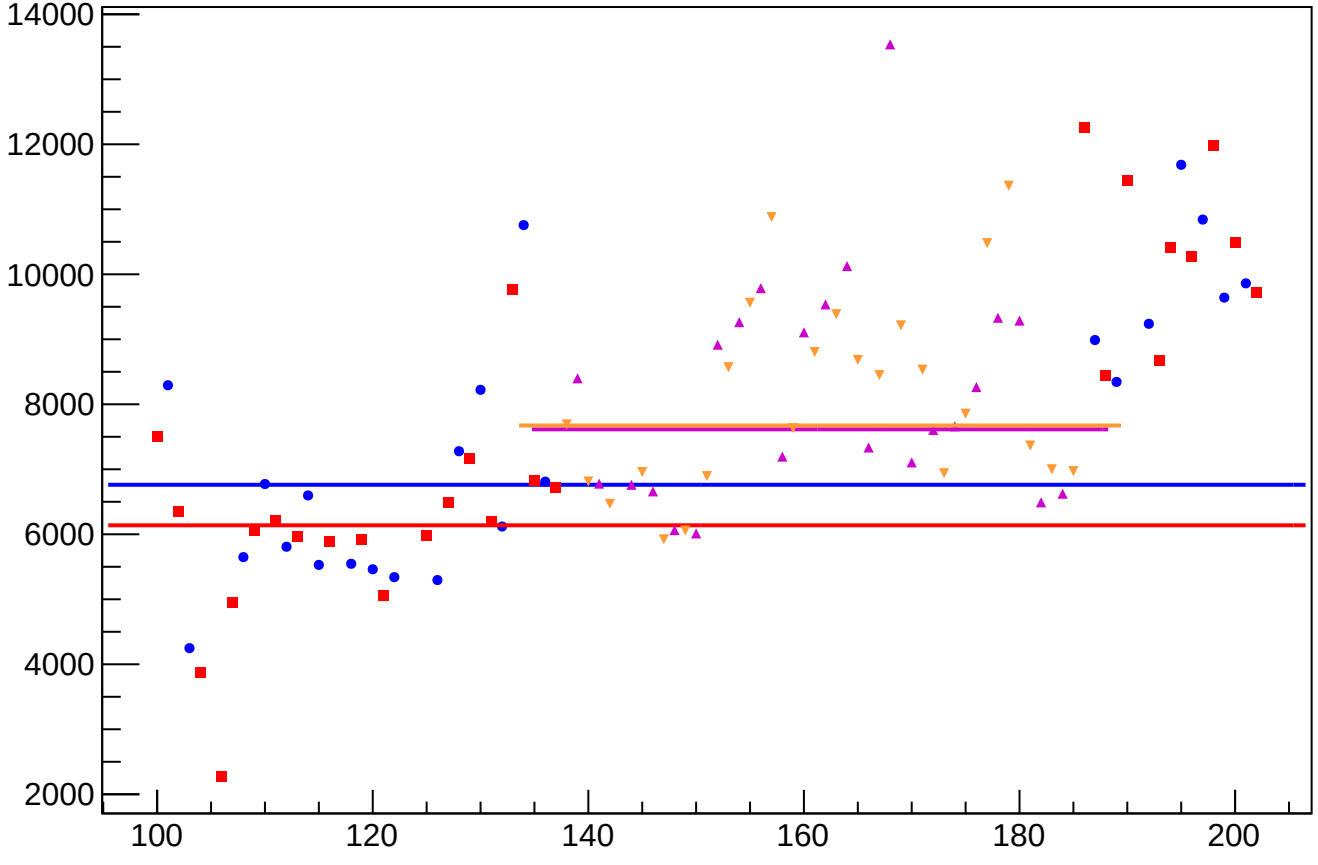
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 359.713+/-1349.849 χ^2/NDF: 52.3/46

All: -502.999+/-925.415 χ^2/NDF: 95.3/96

- sign -1268.060+/-1271.160 χ^2/NDF: 42.2/49

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 6761.735+/-1.423 χ^2/NDF: 1961107.5/22

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6138.341+/-1.259 χ^2/NDF: 4142994.4/26

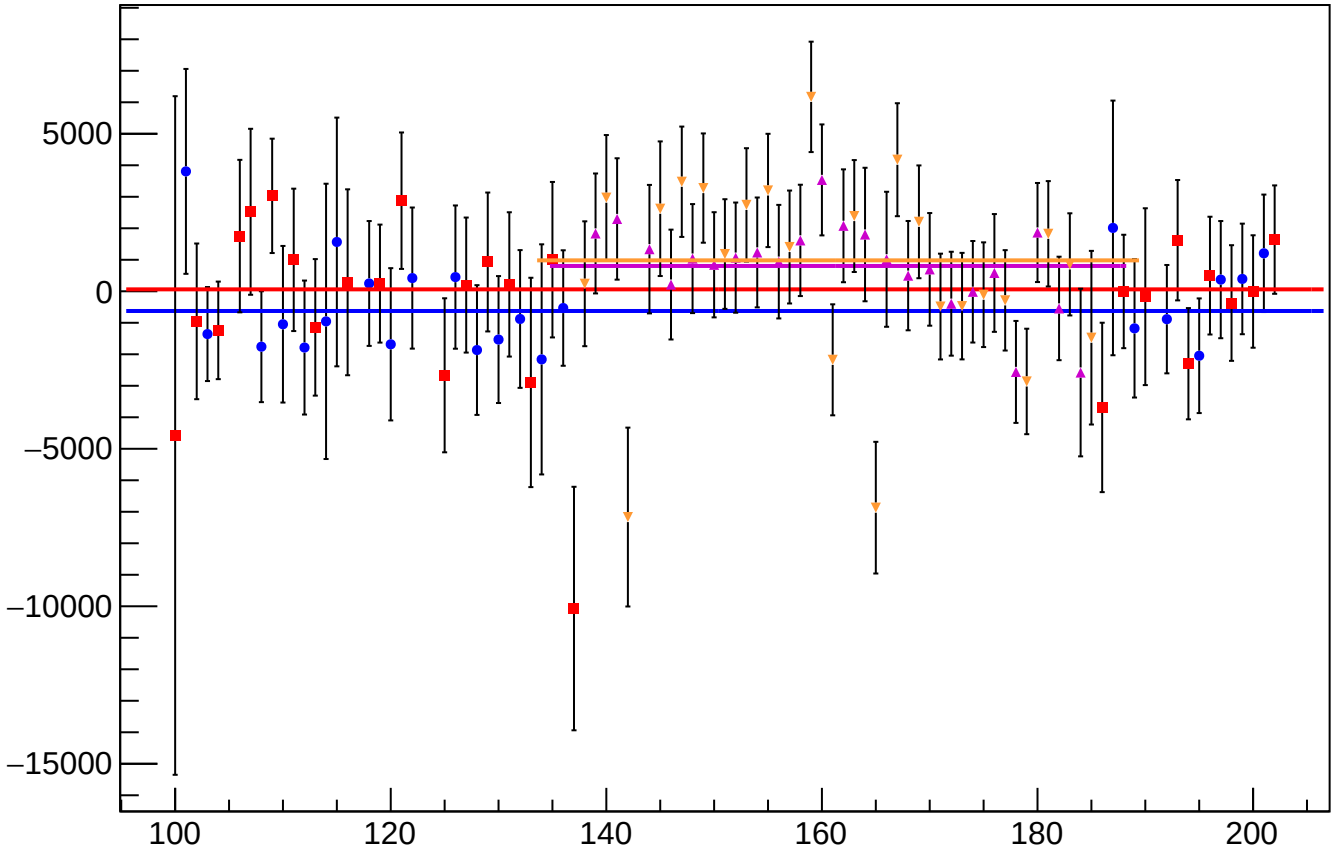
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7263.656+/-0.954 χ^2/NDF: 3263924.3/46

All: 7051.193+/-0.654 χ^2/NDF: 9399394.2/96

- sign 6862.779+/-0.899 χ^2/NDF: 6041982.2/49

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -625.579+/-444.638 χ^2/NDF: 7.4/22

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 61.122+/-417.568 χ^2/NDF: 21.9/26

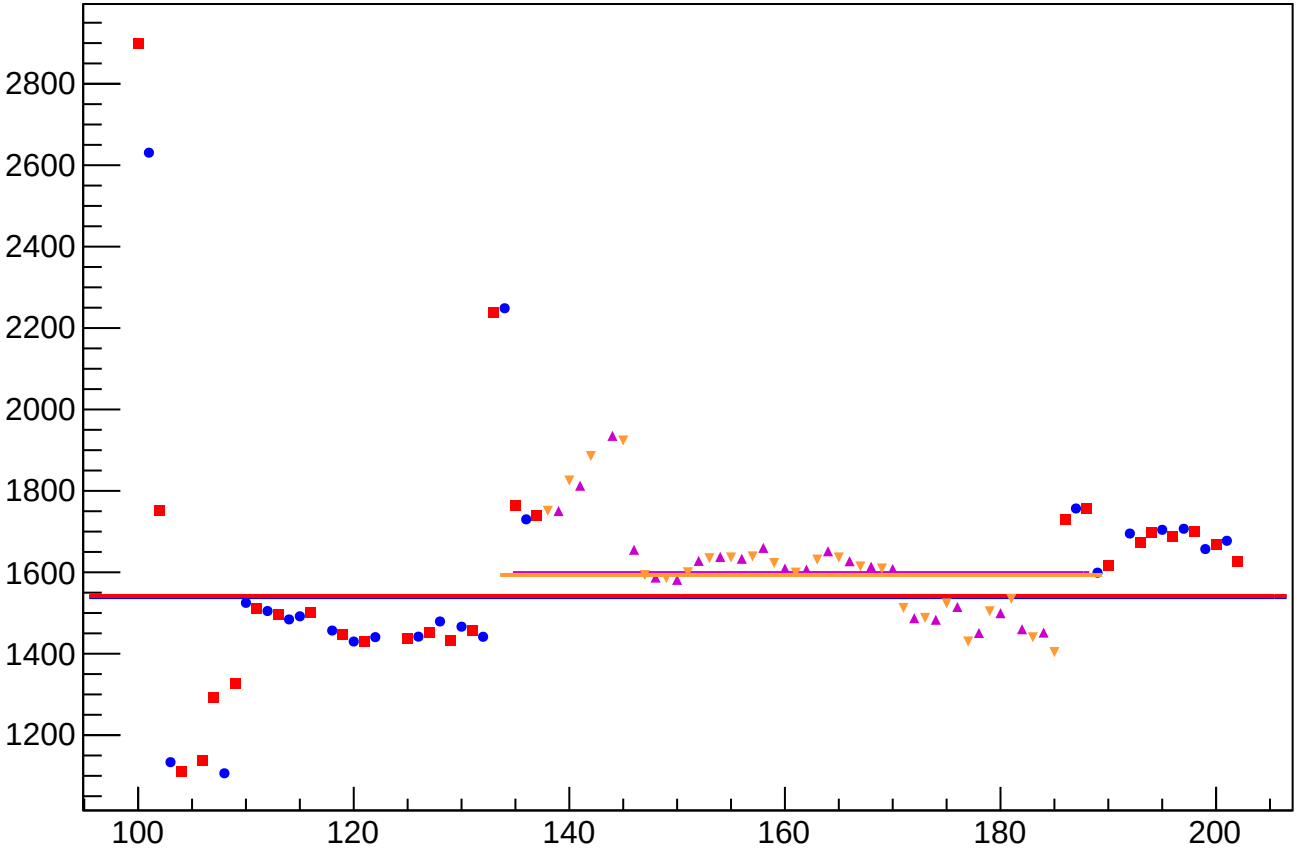
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 322.332+/-284.791 χ^2/NDF: 70.7/46

All: 399.388+/-199.160 χ^2/NDF: 106.9/96

\- sign 473.141+/-278.619 χ^2/NDF: 36.1/49

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1539.139+/-0.314 χ^2/NDF: 692311.3/22

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

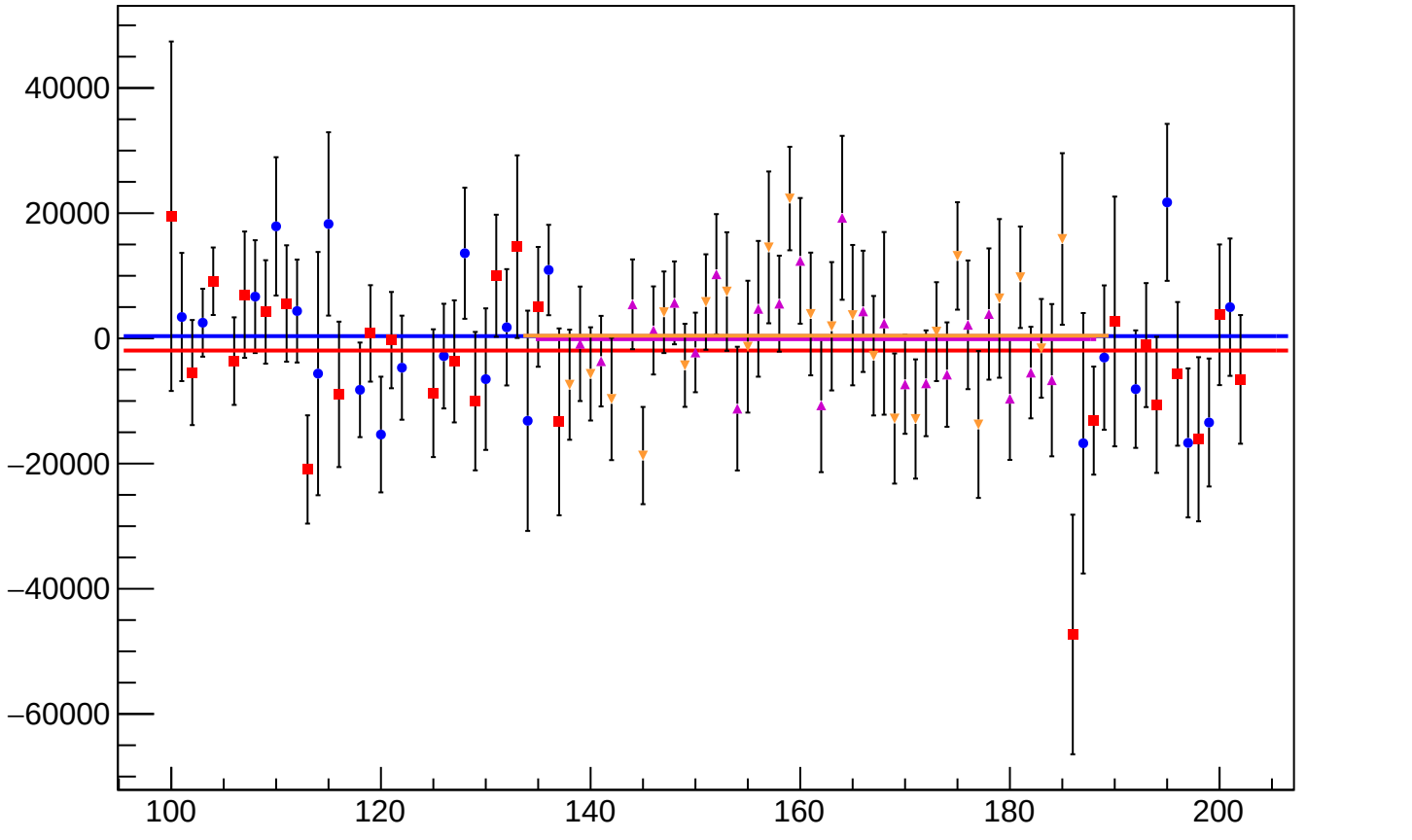
Right Out: 1541.852+/-0.295 χ^2/NDF: 551398.6/26

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1571.188+/-0.201 χ^2/NDF: 897543.8/46

All: 1572.130+/-0.141 χ^2/NDF: 1638319.1/96

- sign 1573.031+/-0.197 χ^2/NDF: 740732.5/49



Right In: 360.715+/-2009.950 χ^2/NDF: 23.0/22

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

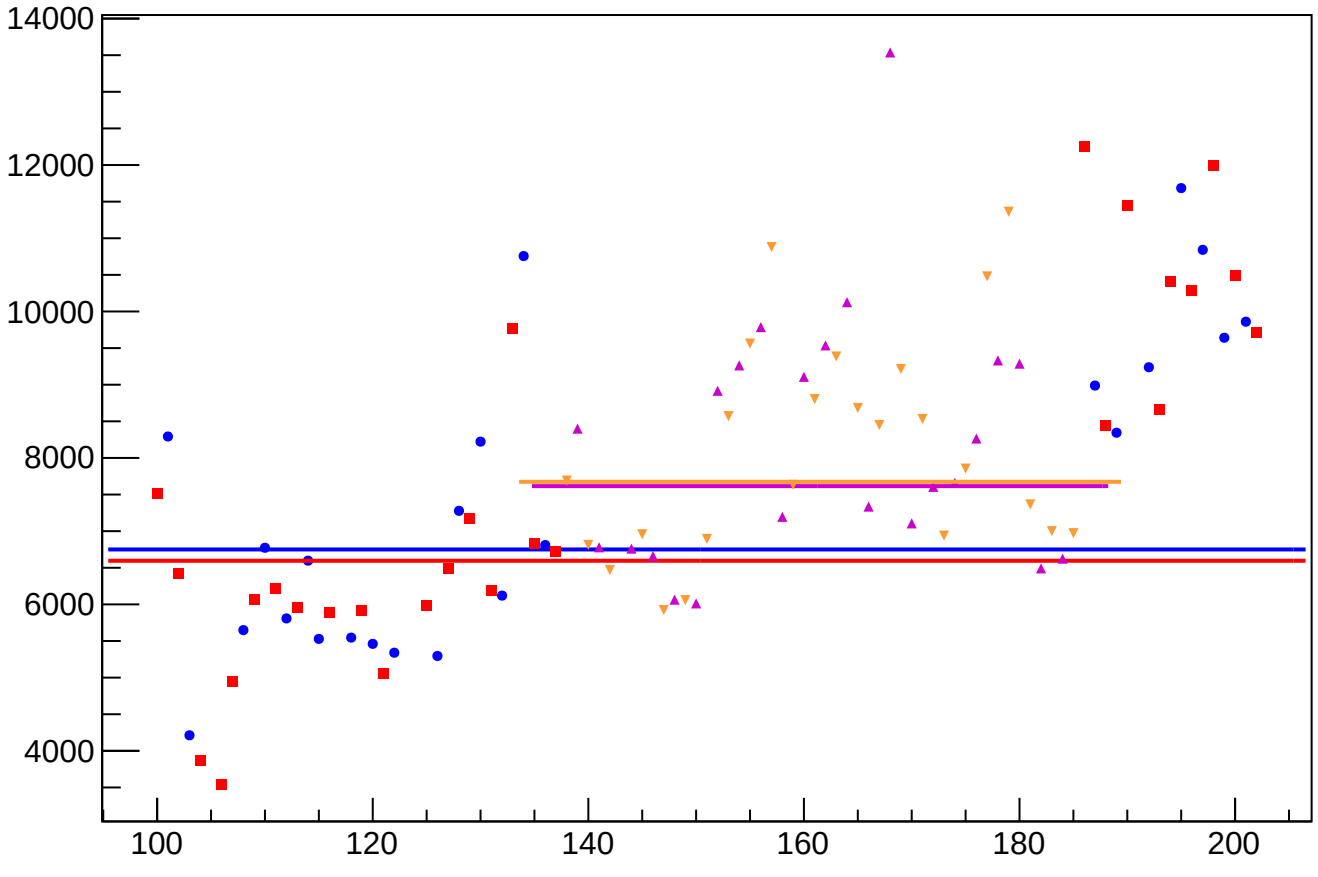
Right Out: -1943.302+/-1863.702 χ^2/NDF: 27.0/26

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 396.975+/-1349.054 χ^2/NDF: 52.4/46

All: -332.807+/-936.180 χ^2/NDF: 94.4/96

- sign -1010.703+/-1300.212 χ^2/NDF: 41.4/49



Right In: 6750.247+/-1.421 χ^2/NDF: 1981463.3/22

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

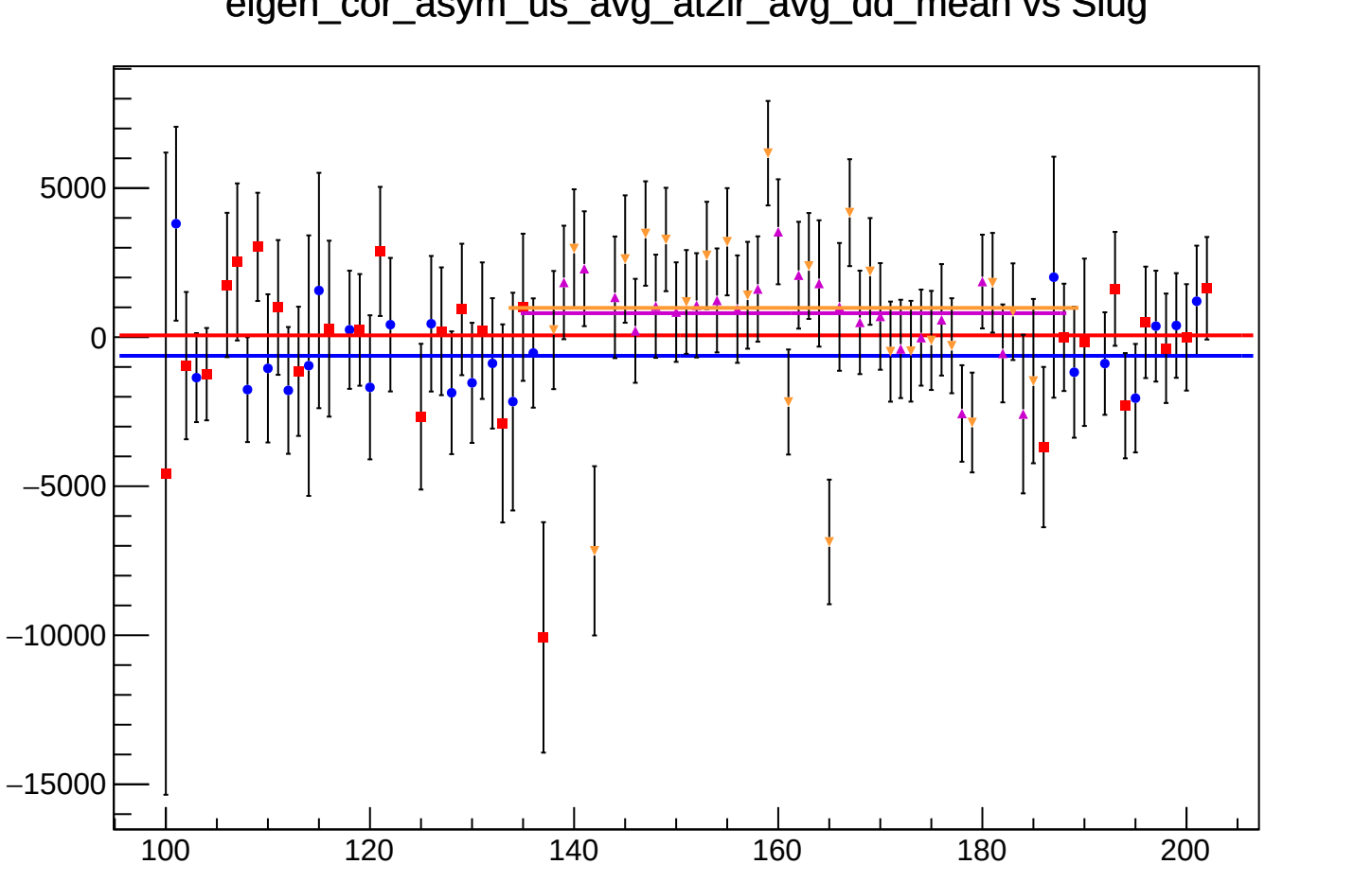
Right Out: 6596.009+/-1.318 χ^2/NDF: 2874712.9/26

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7257.890+/-0.954 χ^2/NDF: 3290344.5/46

All: 7185.897+/-0.662 χ^2/NDF: 7707432.7/96

- sign 7119.022+/-0.919 χ^2/NDF: 4406101.6/49



Right In: -625.579+/-444.638 χ^2/NDF: 7.4/22

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 61.122+/-417.568 χ^2/NDF: 21.9/26

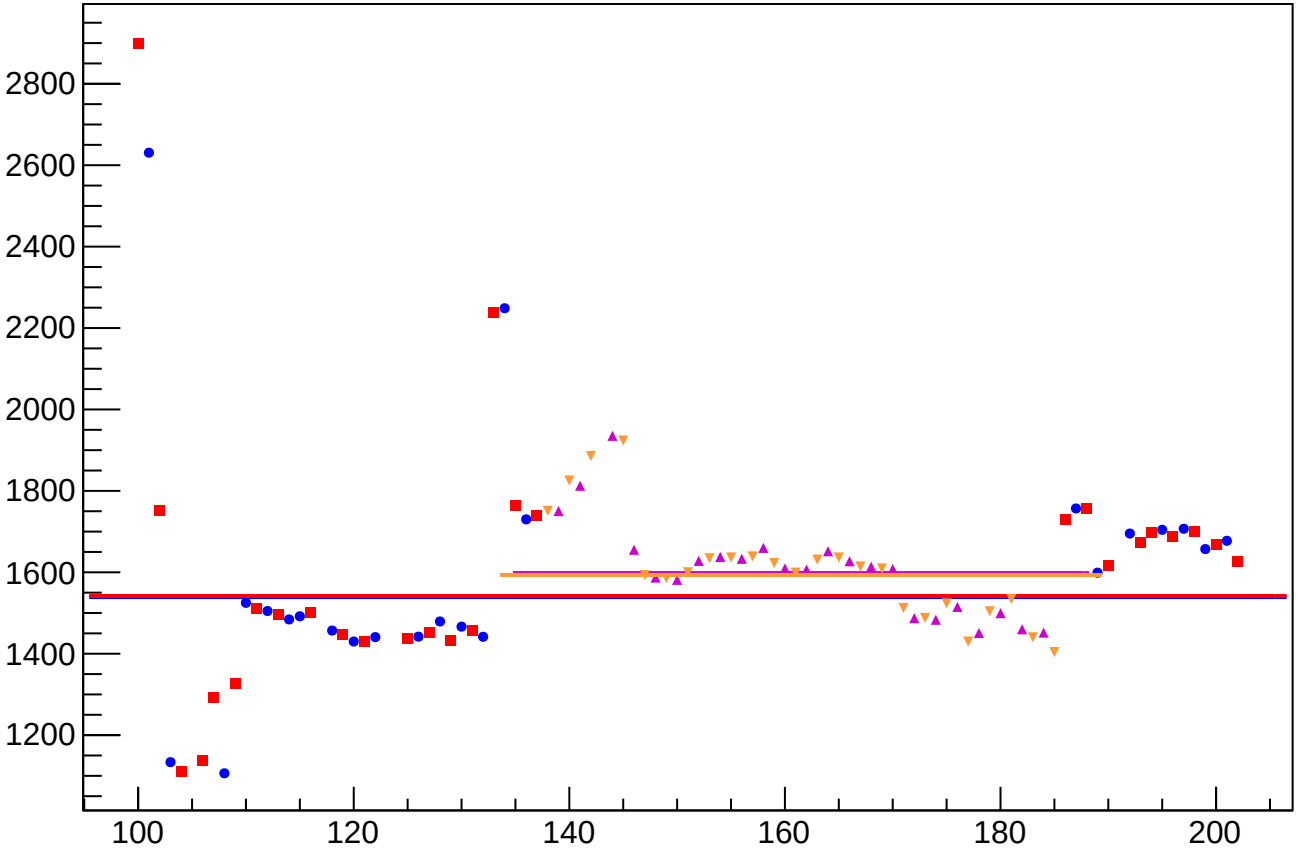
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 322.332+/-284.791 χ^2/NDF: 70.7/46

All: 399.388+/-199.160 χ^2/NDF: 106.9/96

\- sign 473.141+/-278.619 χ^2/NDF: 36.1/49

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1539.139+/-0.314 χ^2/NDF: 692311.3/22

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

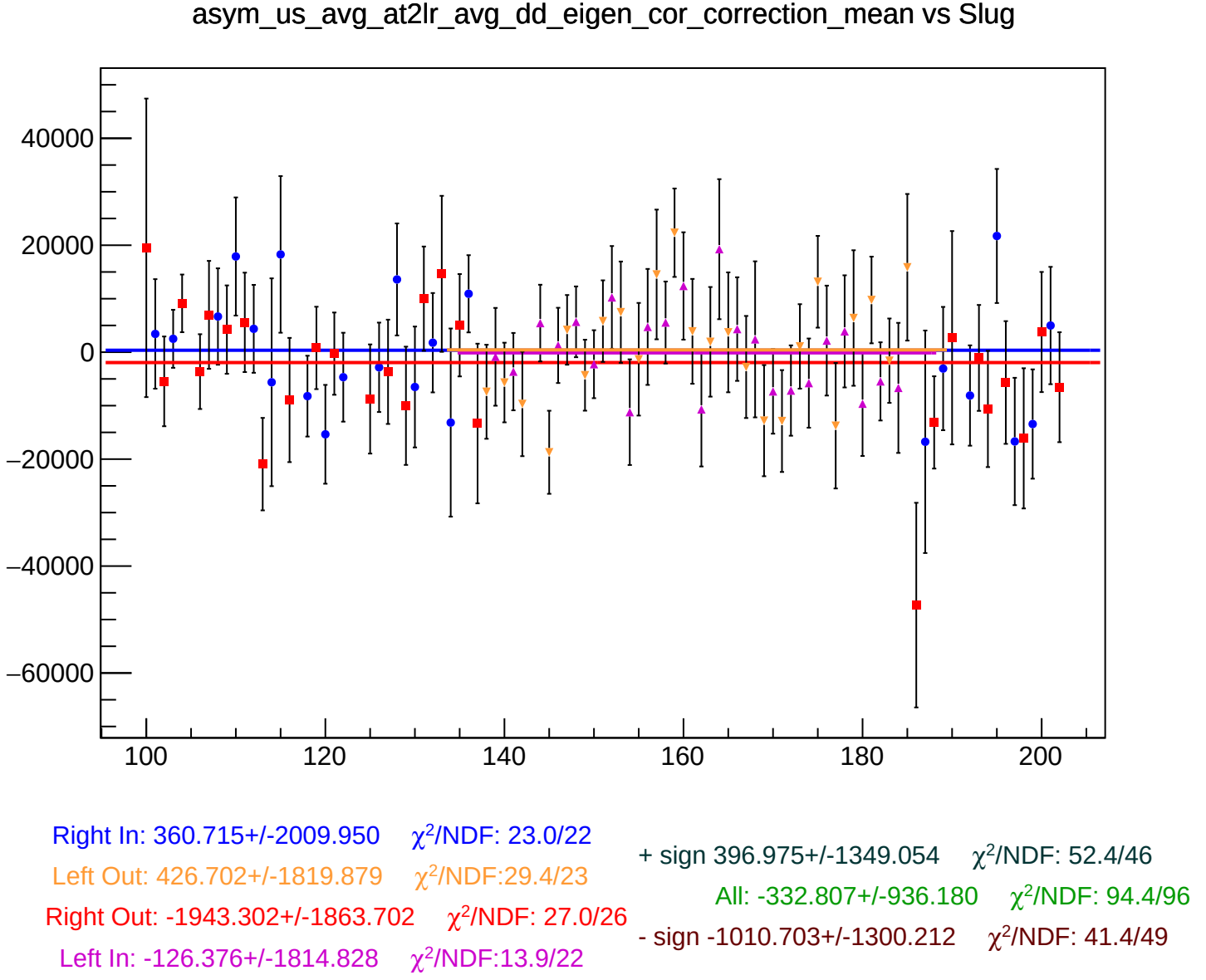
Right Out: 1541.852+/-0.295 χ^2/NDF: 551398.6/26

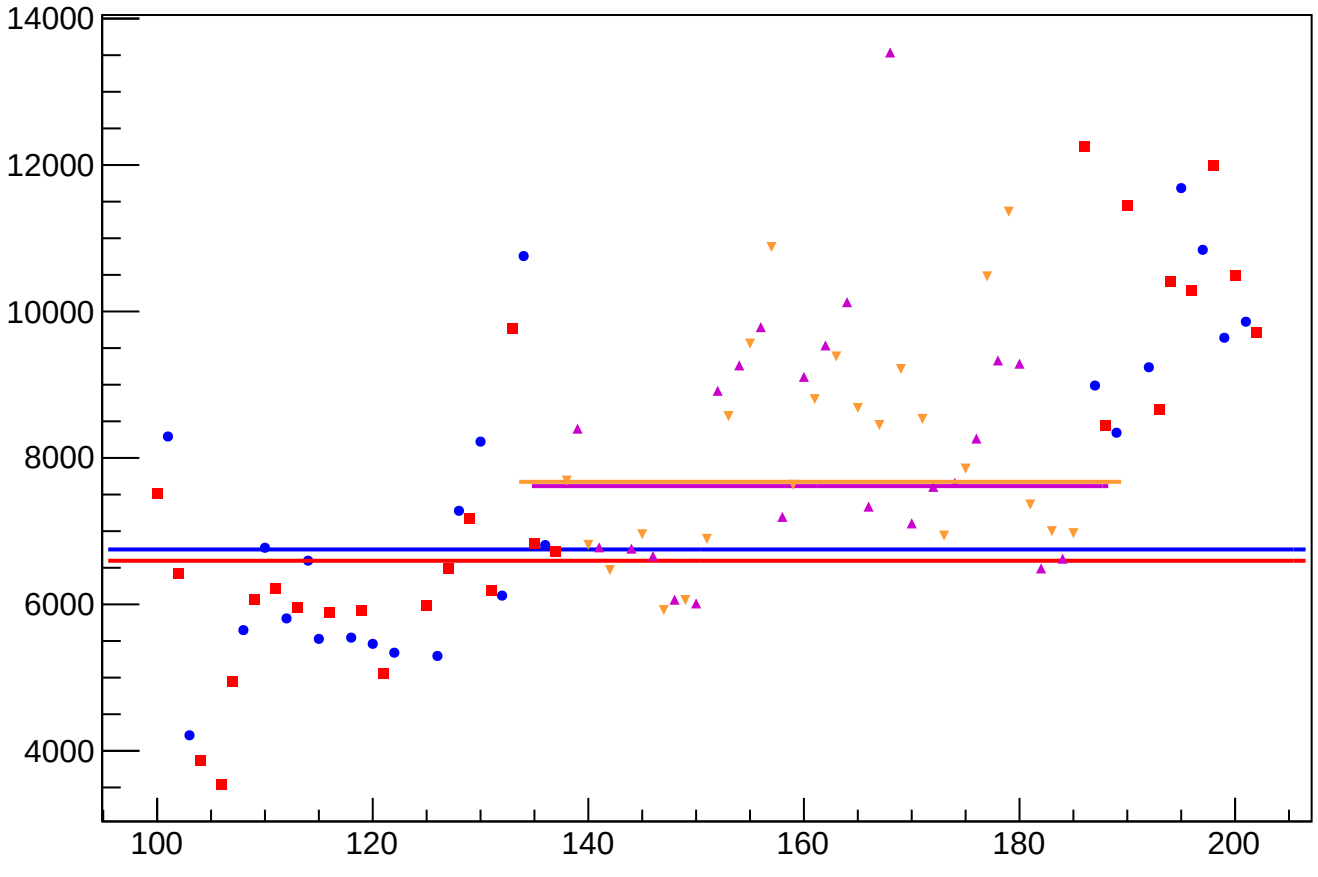
Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1571.188+/-0.201 χ^2/NDF: 897543.8/46

All: 1572.130+/-0.141 χ^2/NDF: 1638319.1/96

- sign 1573.031+/-0.197 χ^2/NDF: 740732.5/49


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: 360.715+/-2009.950 χ²/NDF: 23.0/22
Left Out: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: -1943.302+/-1863.702 χ²/NDF: 27.0/26
Left In: -126.376+/-1814.828 χ²/NDF:13.9/22
+ sign 396.975+/-1349.054 χ²/NDF: 52.4/46
All: -332.807+/-936.180 χ²/NDF: 94.4/96
- sign -1010.703+/-1300.212 χ²/NDF: 41.4/49



Right In: 6750.247+/-1.421 χ^2/NDF: 1981463.3/22

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6596.009+/-1.318 χ^2/NDF: 2874712.9/26

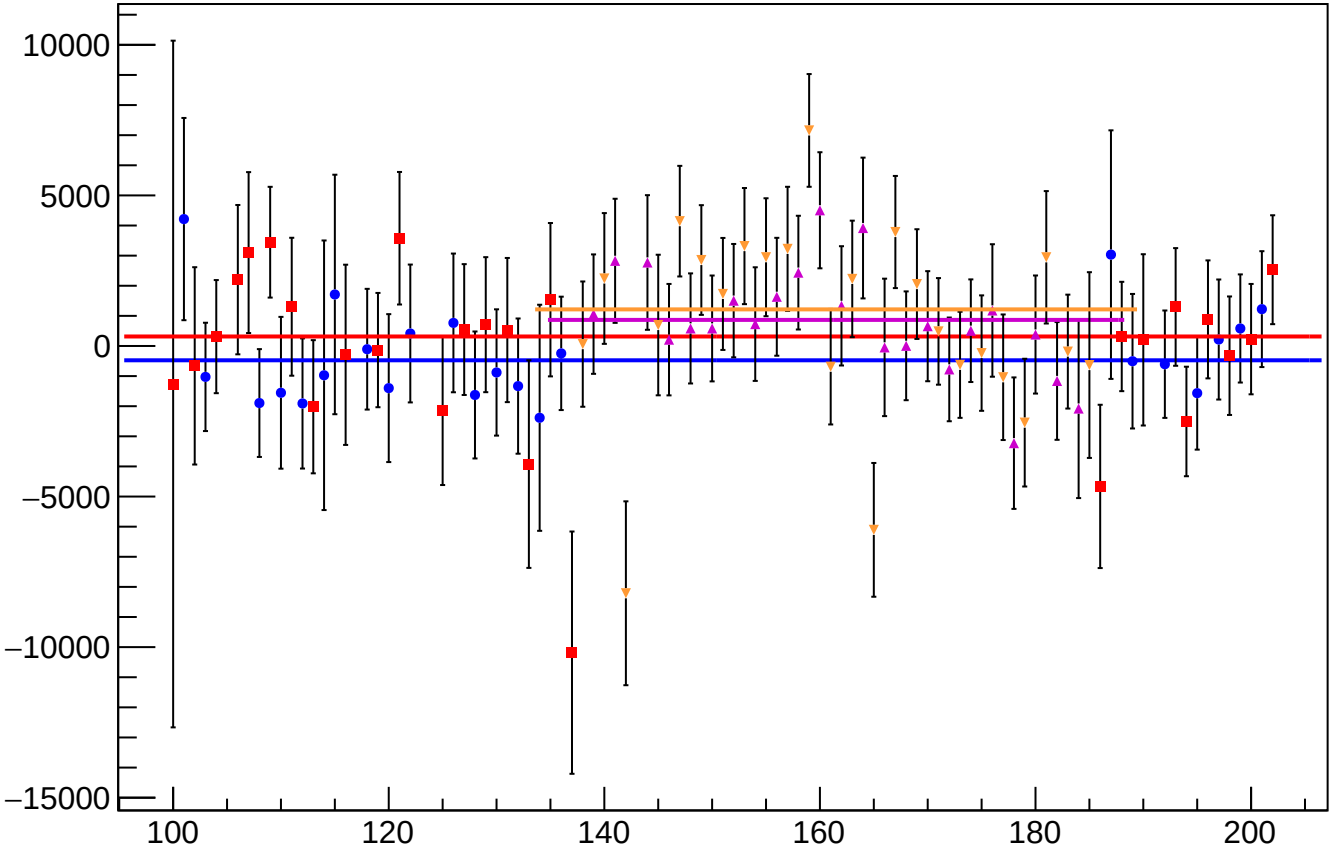
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7257.890+/-0.954 χ^2/NDF: 3290344.5/46

All: 7185.897+/-0.662 χ^2/NDF: 7707432.7/96

- sign 7119.022+/-0.919 χ^2/NDF: 4406101.6/49

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -475.336+/-462.131 χ^2/NDF: 7.3/22

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 315.380+/-435.461 χ^2/NDF: 25.6/26

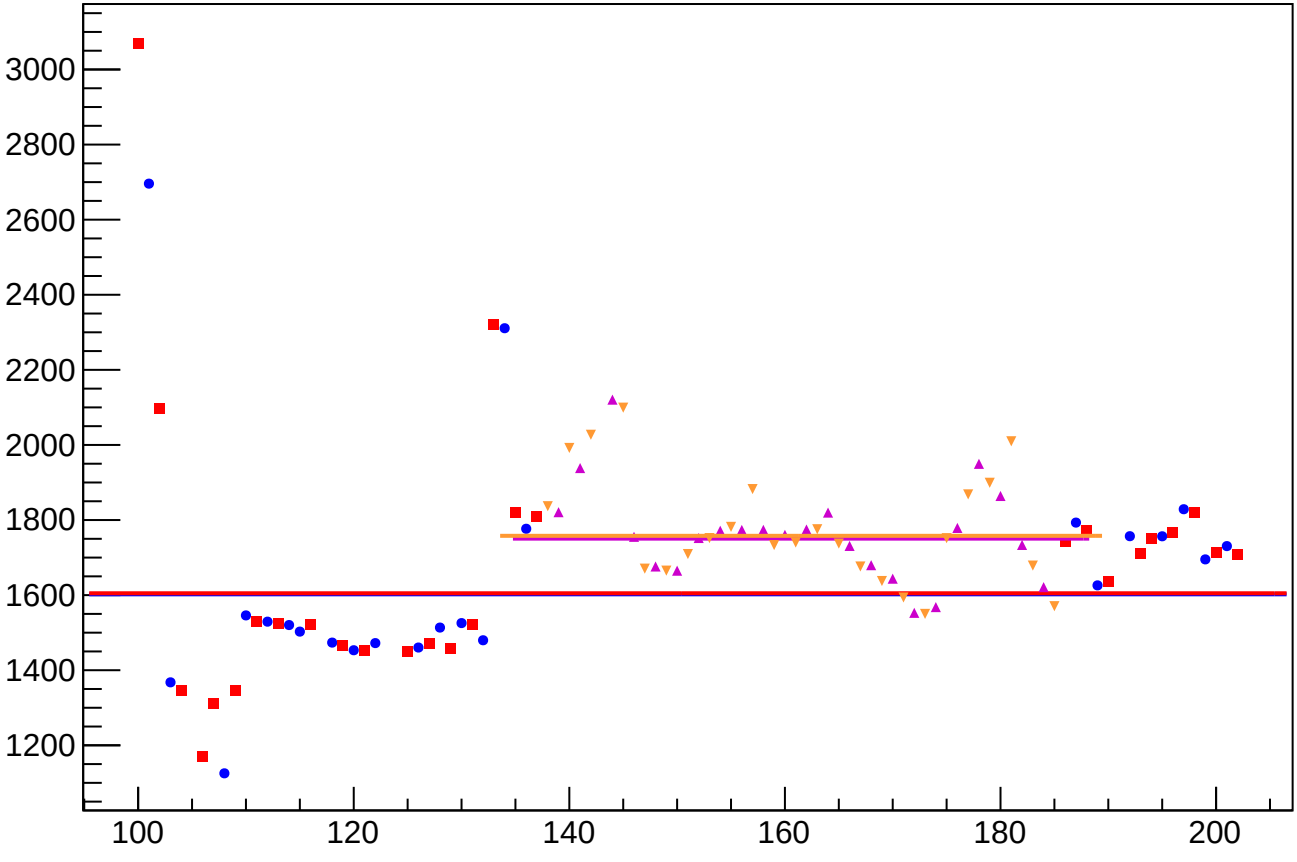
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 471.553+/-306.522 χ^2/NDF: 63.3/46

All: 541.191+/-213.860 χ^2/NDF: 104.9/96

- sign 607.243+/-298.524 χ^2/NDF: 41.6/49

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1602.140+/-0.327 χ^2/NDF: 596773.7/22

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

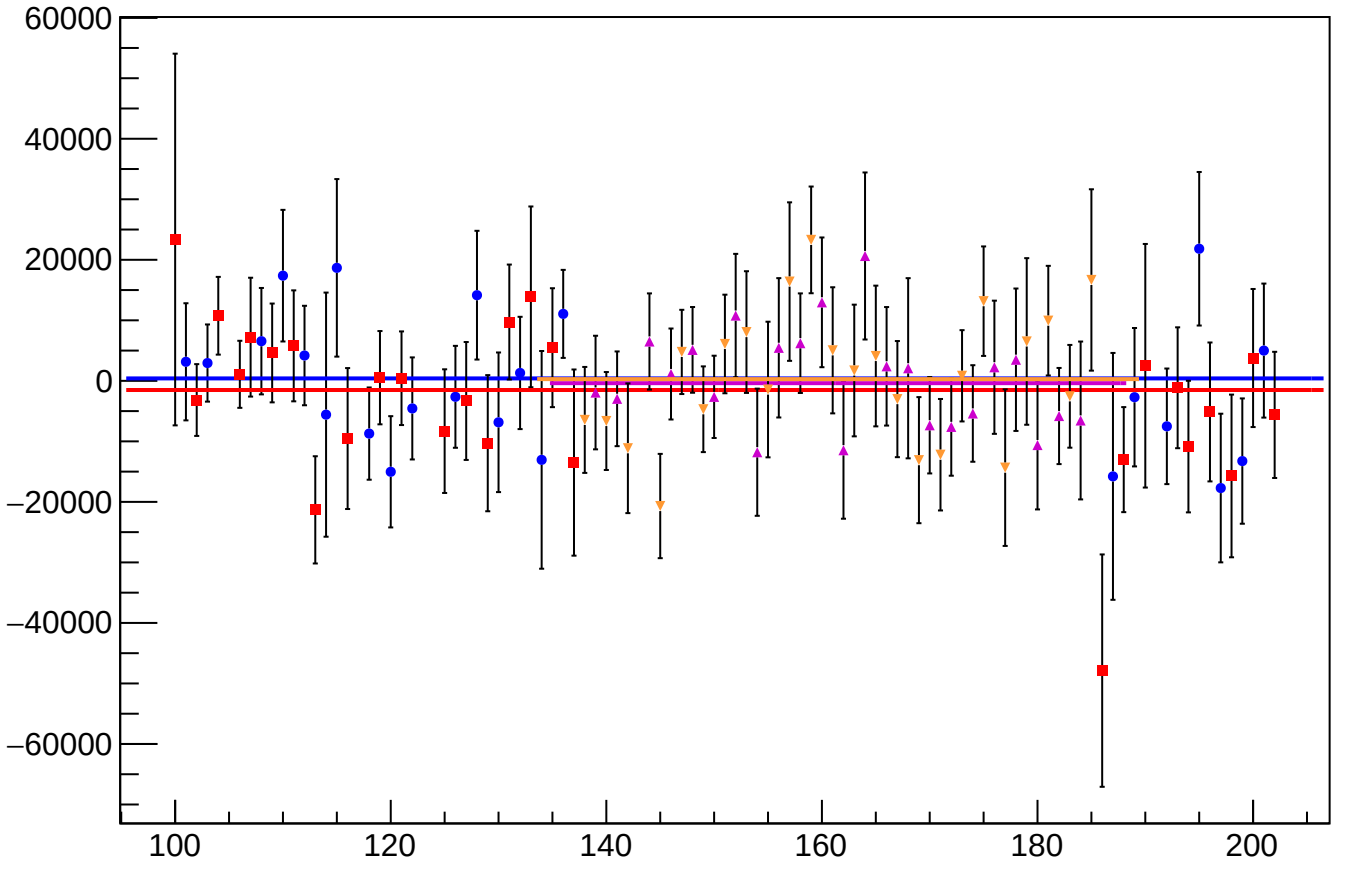
Right Out: 1604.954+/-0.308 χ^2/NDF: 493296.2/26

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1689.411+/-0.217 χ^2/NDF: 937411.3/46

All: 1685.646+/-0.151 χ^2/NDF: 1721593.0/96

- sign 1682.075+/-0.211 χ^2/NDF: 783593.7/49



Right In: 401.540+/-2053.533 χ^2/NDF: 22.9/22

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: -1514.310+/-1818.429 χ^2/NDF: 26.8/26

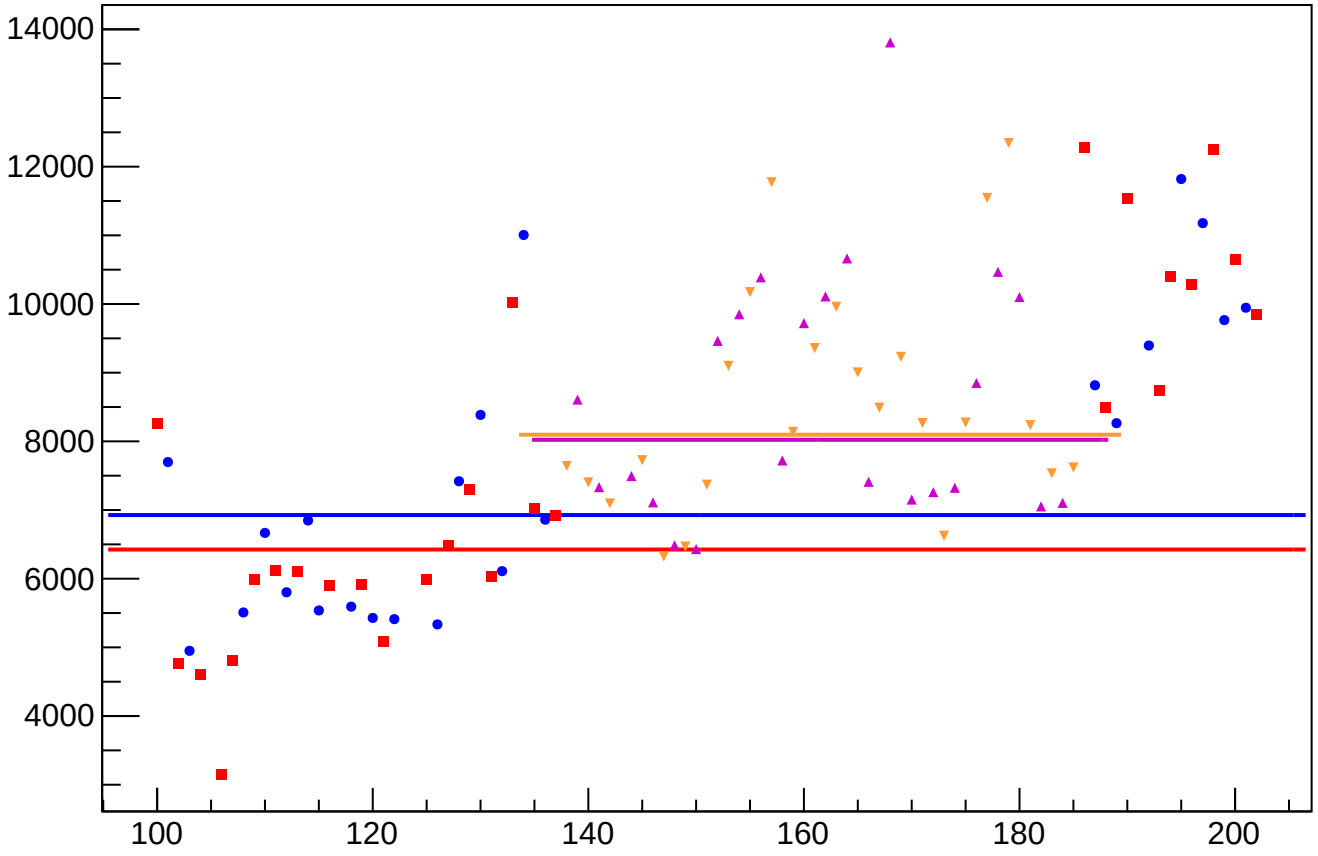
Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 339.322+/-1402.530 χ^2/NDF: 51.5/46

All: -359.787+/-960.378 χ^2/NDF: 92.6/96

- sign -976.967+/-1317.788 χ^2/NDF: 40.6/49

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6926.807+/-1.452 χ^2/NDF: 1733487.6/22

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

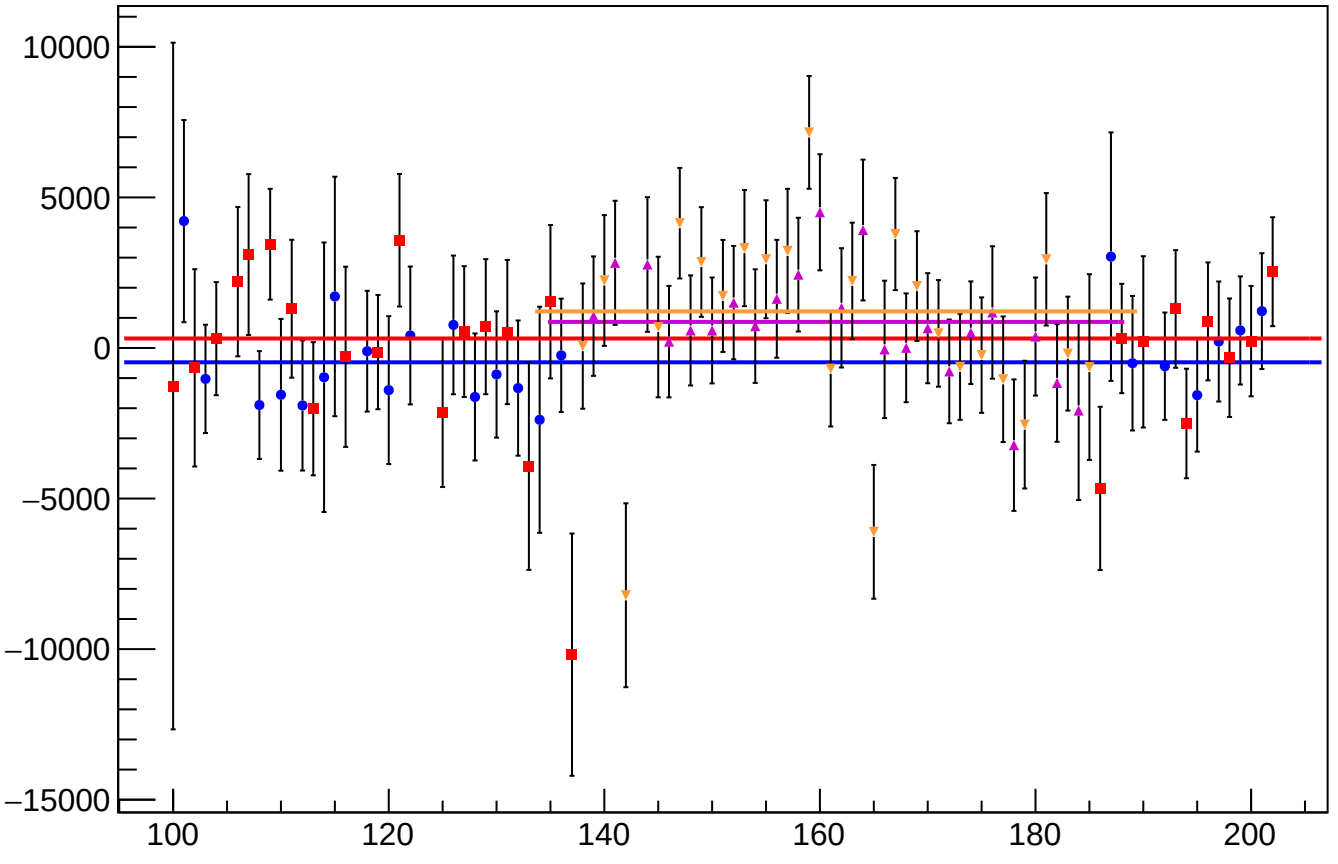
Right Out: 6424.775+/-1.286 χ^2/NDF: 3200514.0/26

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7551.048+/-0.992 χ^2/NDF: 3167672.1/46

All: 7355.853+/-0.679 χ^2/NDF: 8400010.5/96

- sign 7183.534+/-0.932 χ^2/NDF: 5159401.4/49



Right In: -475.337+/-462.131 χ^2/NDF: 7.3/22

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 315.386+/-435.461 χ^2/NDF: 25.6/26

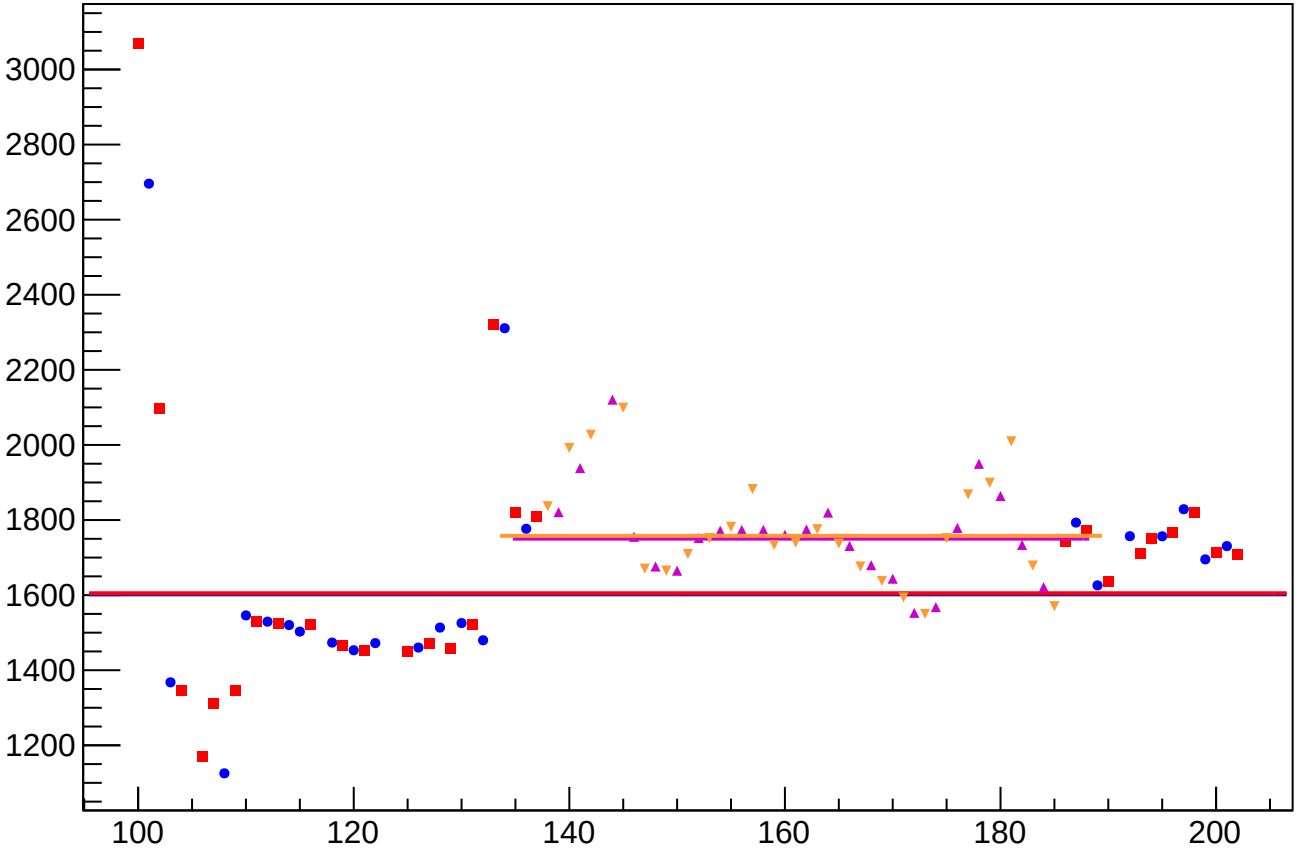
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 471.555+/-306.522 χ^2/NDF: 63.3/46

All: 541.193+/-213.860 χ^2/NDF: 104.9/96

\- sign 607.245+/-298.524 χ^2/NDF: 41.6/49

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1602.140+/-0.327 χ^2/NDF: 596773.6/22

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

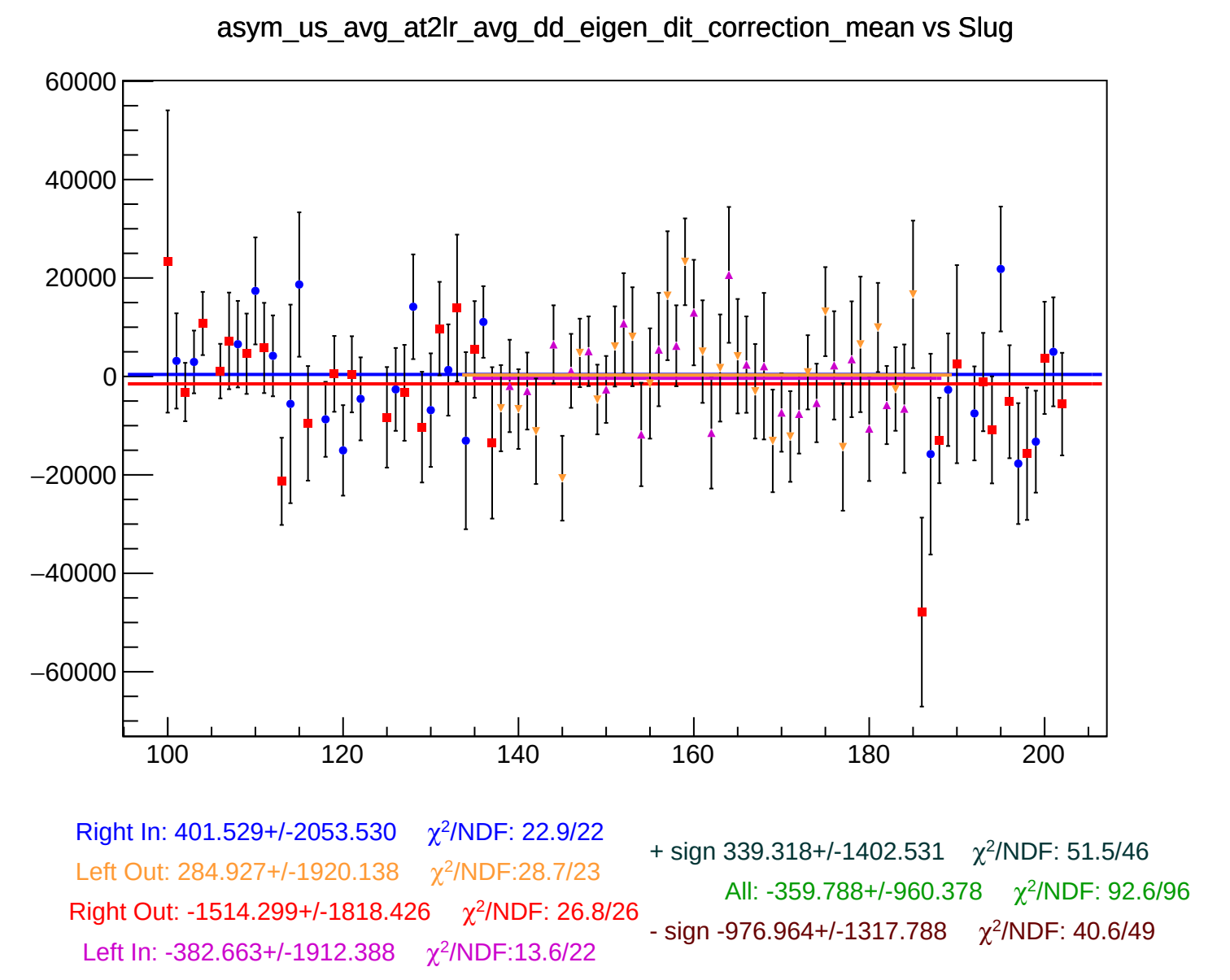
Right Out: 1604.954+/-0.308 χ^2/NDF: 493297.3/26

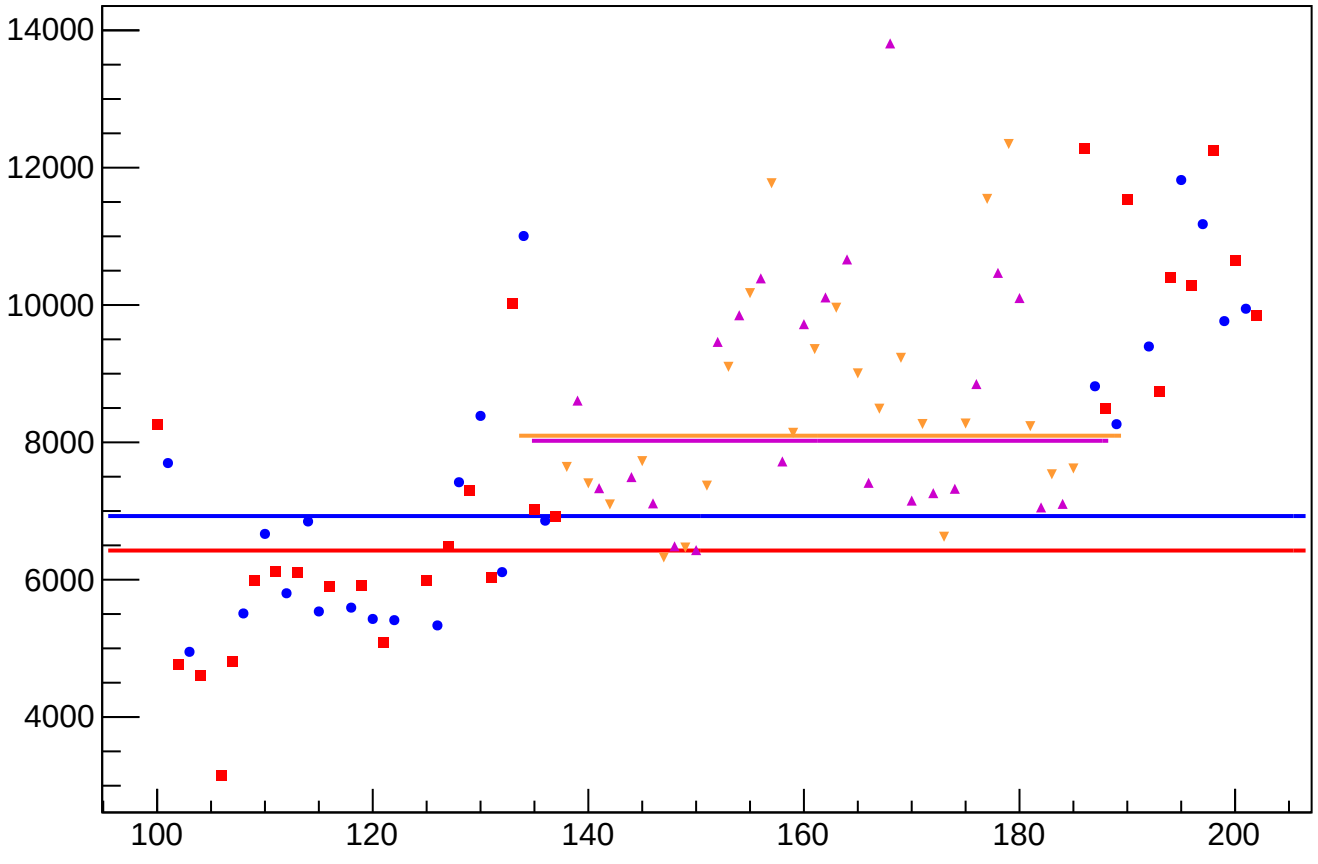
Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1689.413+/-0.217 χ^2/NDF: 937423.8/46

All: 1685.647+/-0.151 χ^2/NDF: 1721618.6/96

- sign 1682.077+/-0.211 χ^2/NDF: 783606.8/49


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: 401.529+/-2053.530 χ²/NDF: 22.9/22
Left Out: 284.927+/-1920.138 χ²/NDF:28.7/23
Right Out: -1514.299+/-1818.426 χ²/NDF: 26.8/26
Left In: -382.663+/-1912.388 χ²/NDF:13.6/22
+ sign 339.318+/-1402.531 χ²/NDF: 51.5/46
All: -359.788+/-960.378 χ²/NDF: 92.6/96
- sign -976.964+/-1317.788 χ²/NDF: 40.6/49



Right In: 6926.795+/-1.452 χ^2/NDF: 1733505.8/22

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6424.764+/-1.286 χ^2/NDF: 3200532.8/26

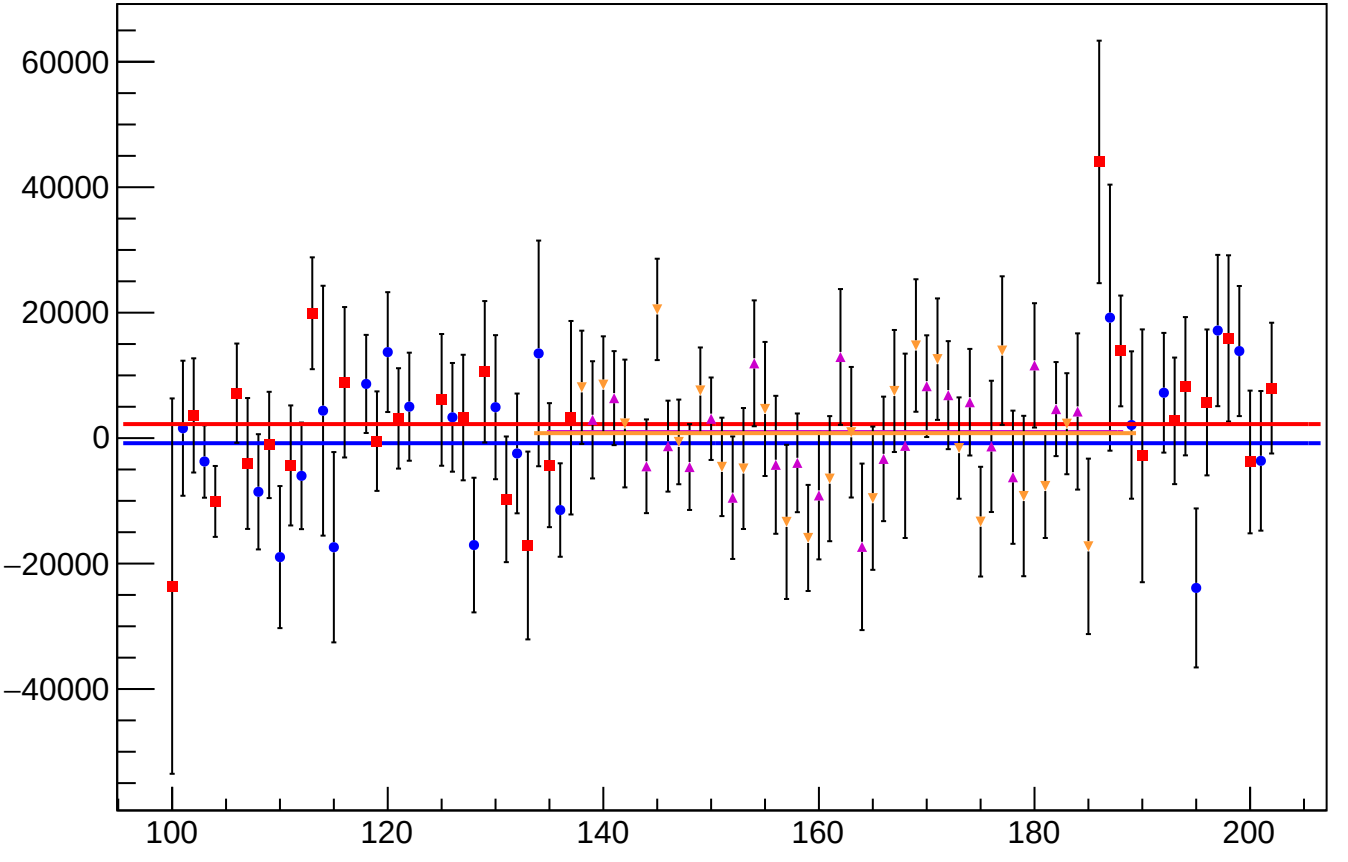
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7551.047+/-0.992 χ^2/NDF: 3167707.3/46

All: 7355.851+/-0.679 χ^2/NDF: 8400090.2/96

- sign 7183.531+/-0.932 χ^2/NDF: 5159445.1/49

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -809.834+/-2074.546 χ^2/NDF: 24.2/22

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 2236.798+/-1934.074 χ^2/NDF: 24.0/26

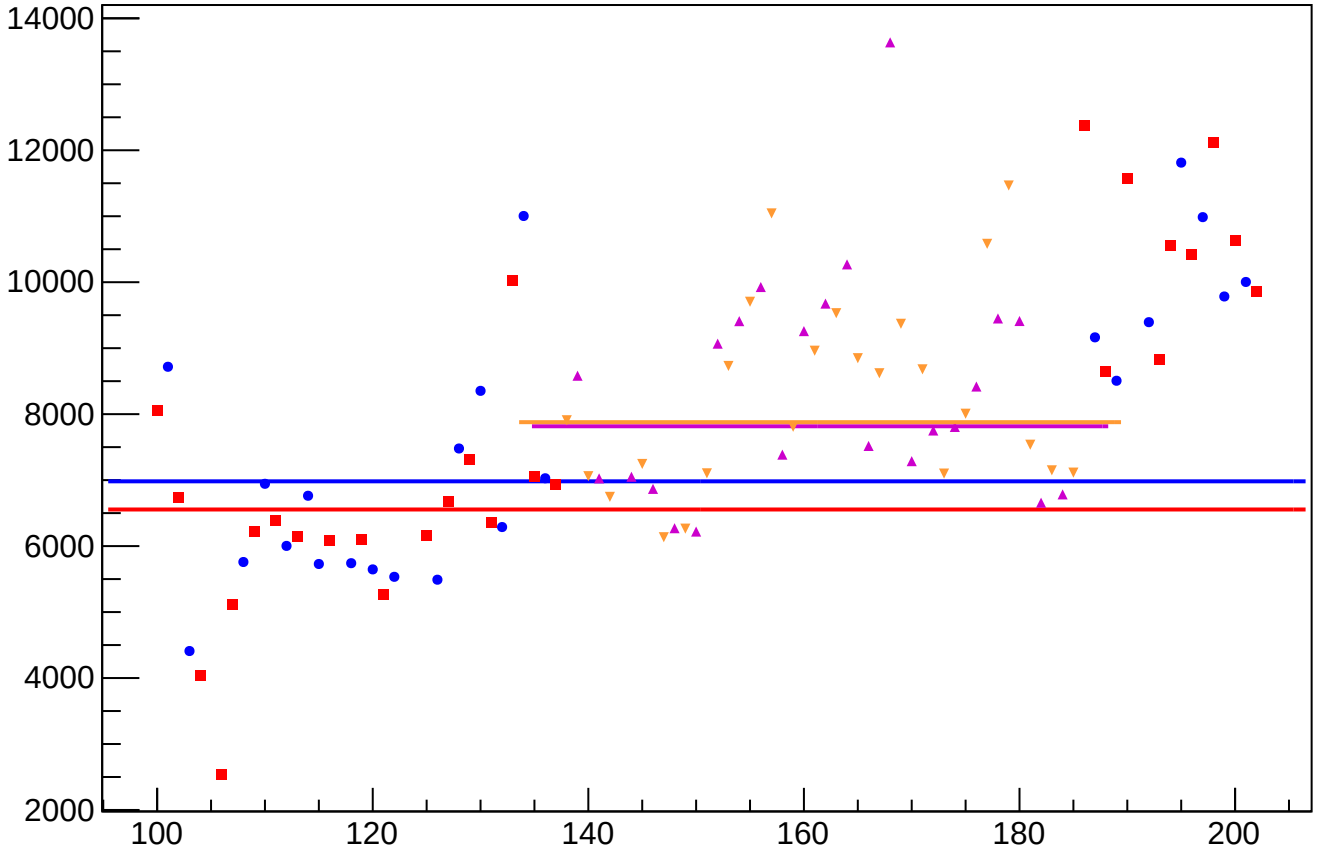
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 75.591+/-1386.984 χ^2/NDF: 51.7/46

All: 851.046+/-963.933 χ^2/NDF: 89.3/96

- sign 1575.517+/-1340.613 χ^2/NDF: 37.0/49

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6981.802+/-1.467 χ^2/NDF: 1860609.2/22

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

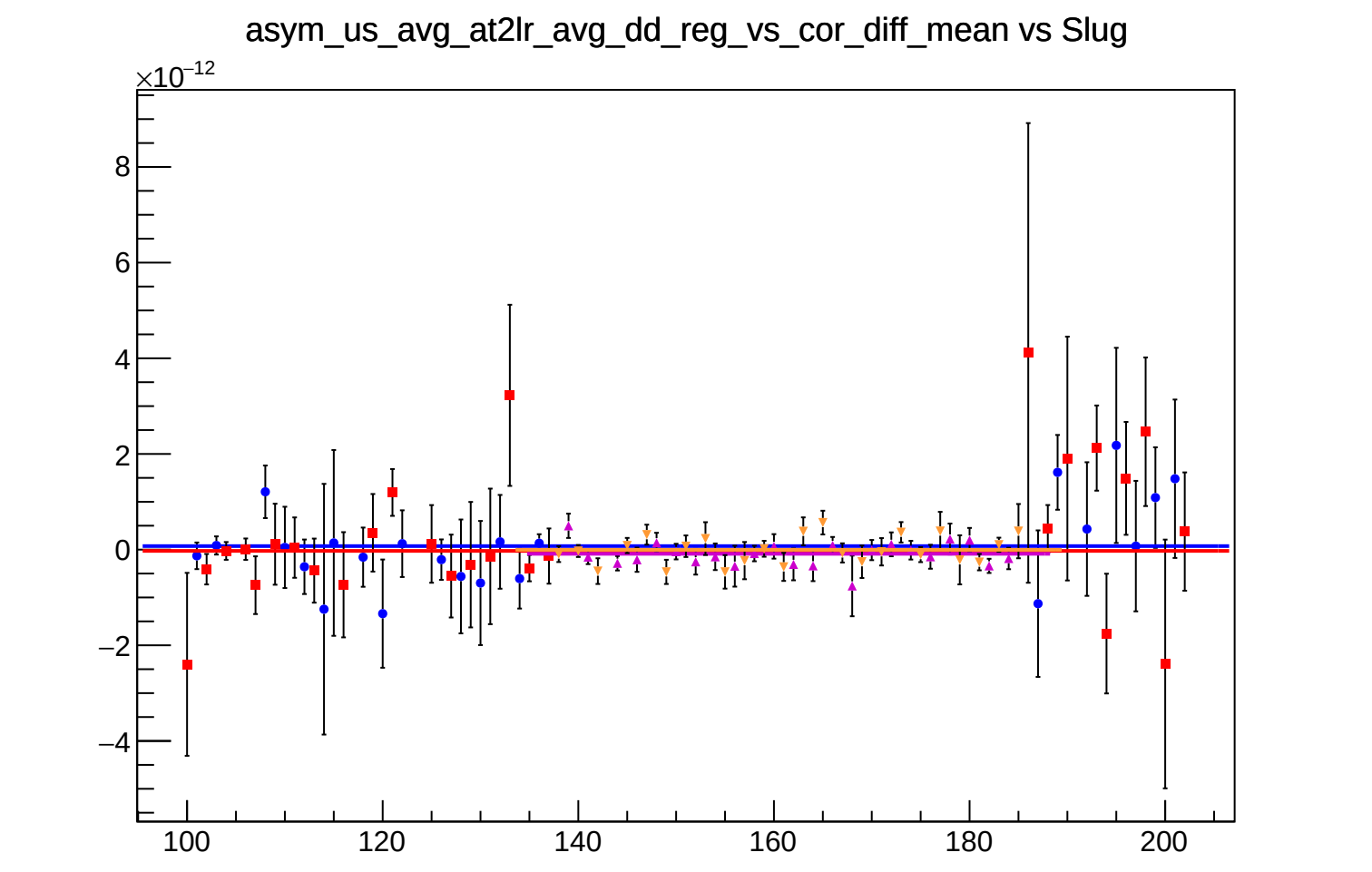
Right Out: 6554.871+/-1.330 χ^2/NDF: 3458342.6/26

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7477.674+/-0.981 χ^2/NDF: 3057298.5/46

All: 7328.466+/-0.677 χ^2/NDF: 8147081.6/96

- sign 7192.792+/-0.935 χ^2/NDF: 5045591.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 17.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

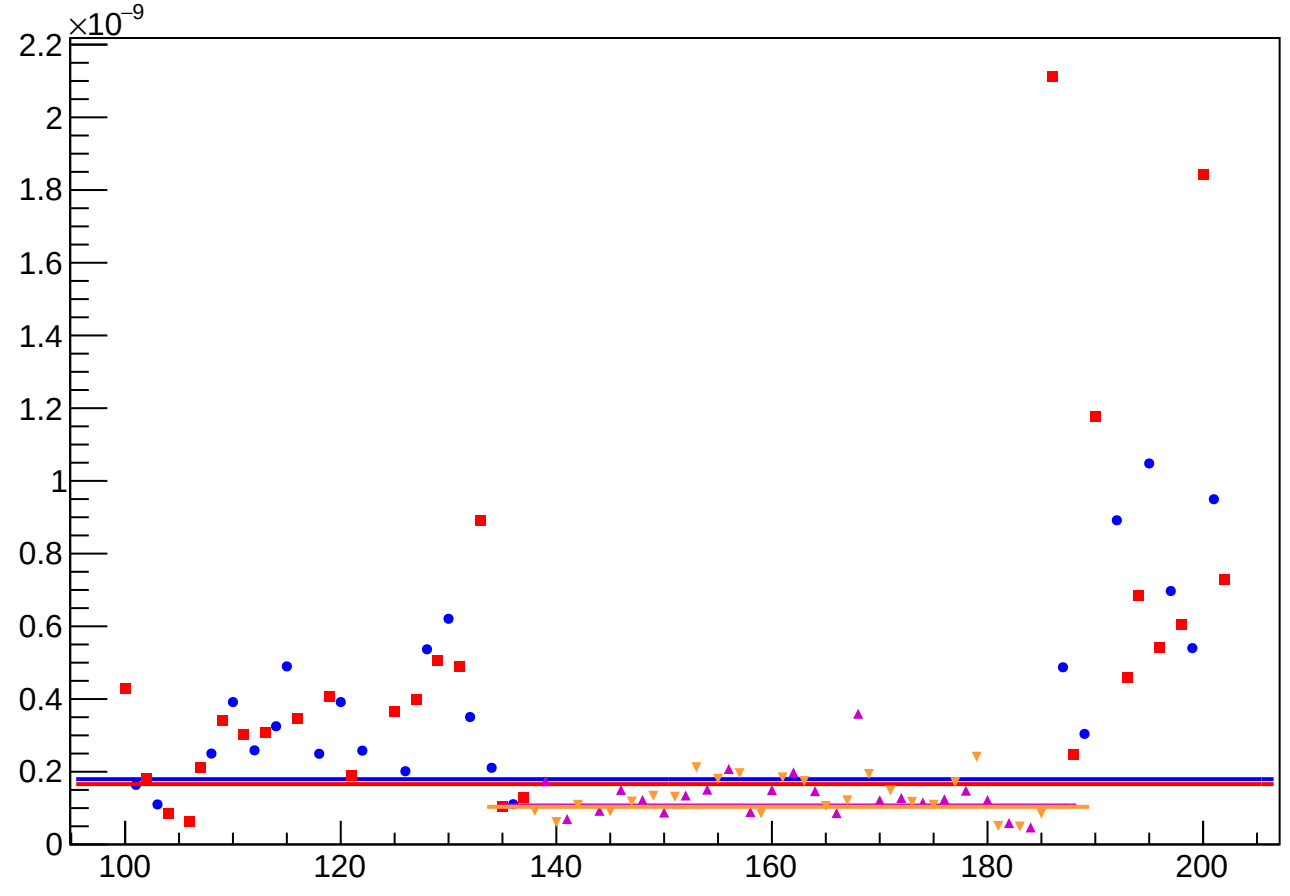
Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/26

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.1/46

All: -0.000+/-0.000 χ^2/NDF: 99.9/96

- sign -0.000+/-0.000 χ^2/NDF: 51.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 3368123.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

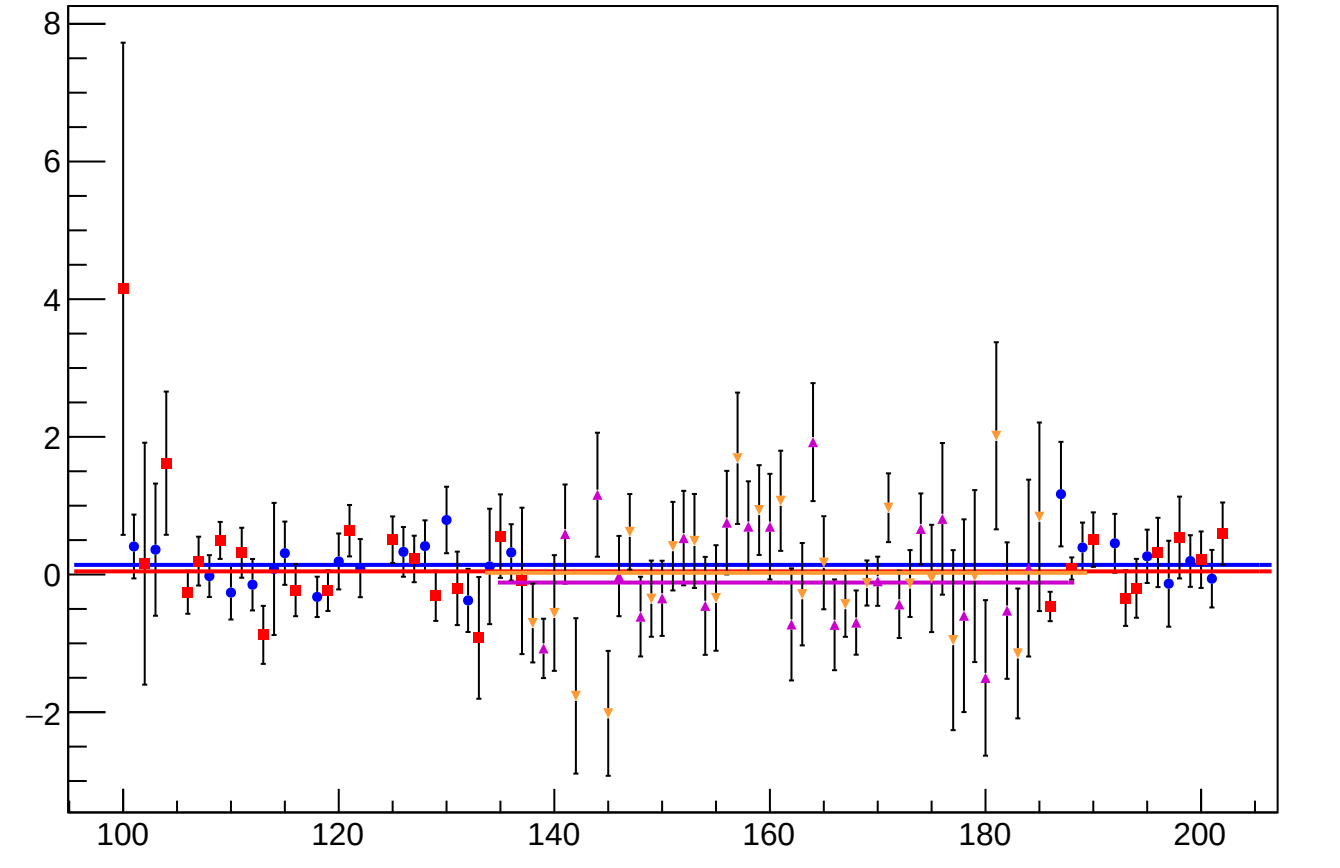
Right Out: 0.000+/-0.000 χ^2/NDF: 5145304.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6223370.0/46

All: 0.000+/-0.000 χ^2/NDF: 13555395.5/96

- sign 0.000+/-0.000 χ^2/NDF: 7330209.4/49



Right In: 0.140+/-0.089 χ^2/NDF: 12.5/22

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

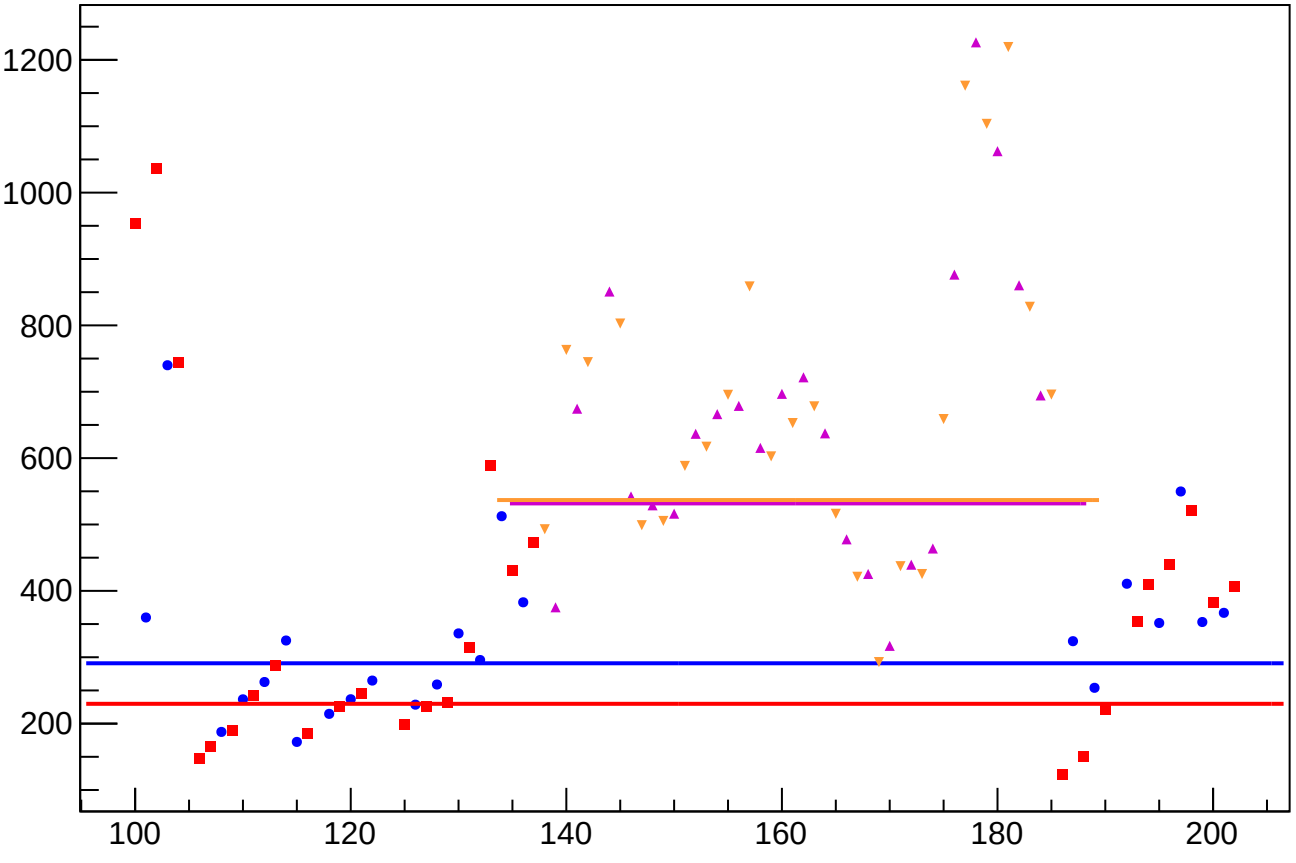
Right Out: 0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.105+/-0.074 χ^2/NDF: 42.1/46

All: 0.049+/-0.048 χ^2/NDF: 105.0/96

- sign 0.010+/-0.062 χ^2/NDF: 62.0/49



Right In: 290.912+/-0.063 χ^2/NDF: 2104610.8/22

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 229.840+/-0.050 χ^2/NDF: 4970047.8/26

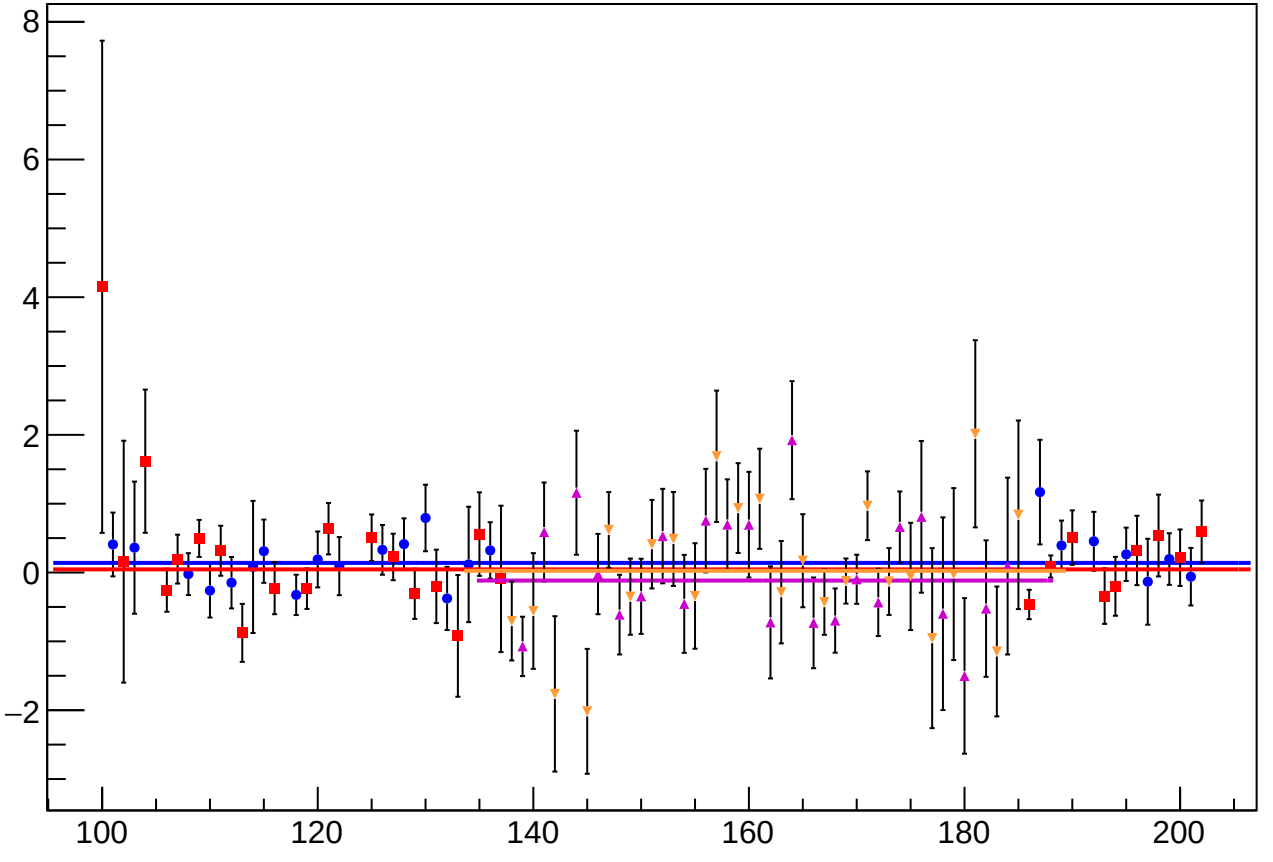
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 365.705+/-0.052 χ^2/NDF: 10756817.5/46

All: 325.146+/-0.034 χ^2/NDF: 28237980.4/96

- sign 296.404+/-0.044 χ^2/NDF: 16451345.4/49

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.140+/-0.089 χ^2/NDF: 12.5/22

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

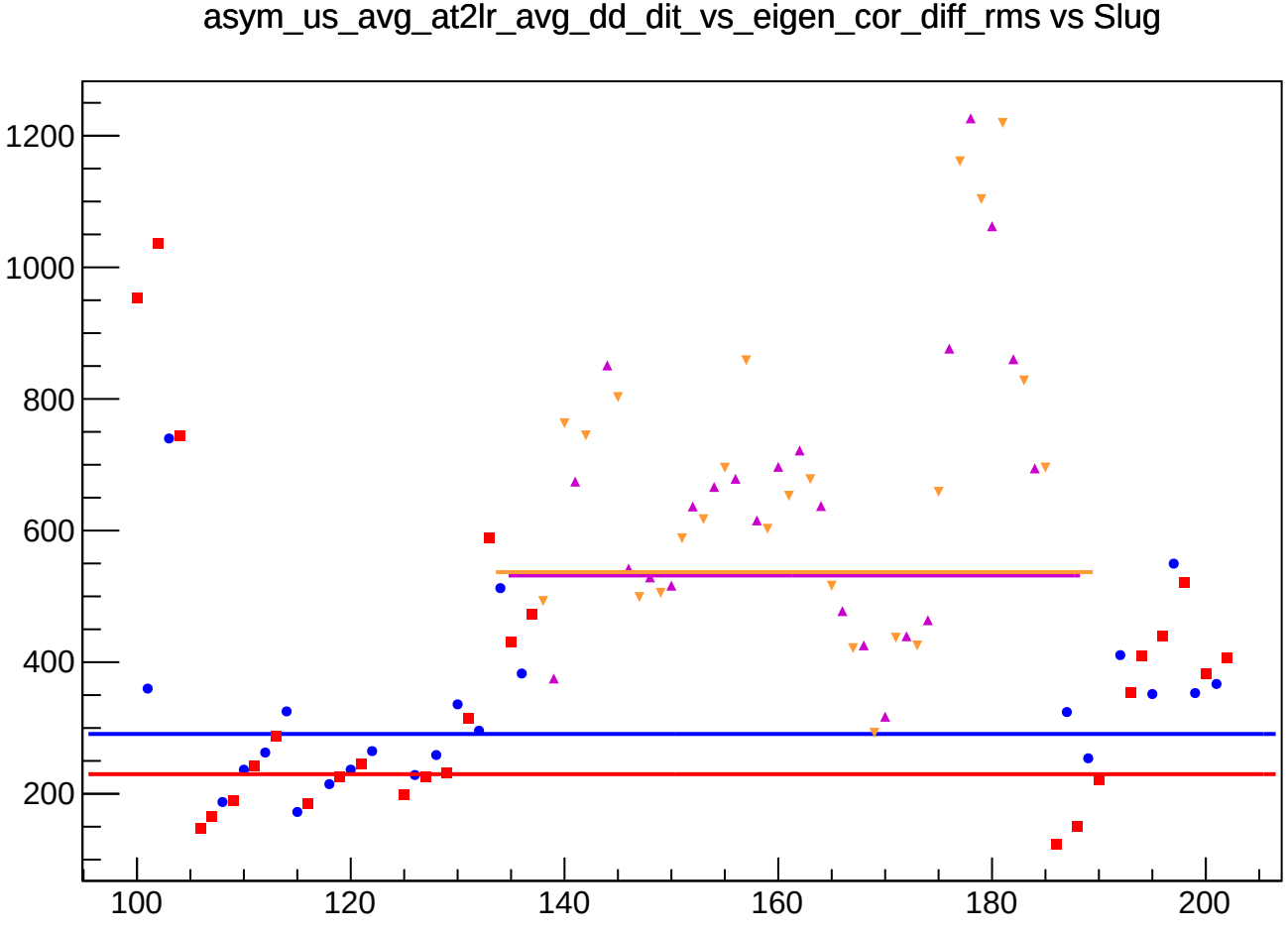
Right Out: 0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.105+/-0.074 χ^2/NDF: 42.1/46

All: 0.049+/-0.048 χ^2/NDF: 105.0/96

- sign 0.010+/-0.062 χ^2/NDF: 62.0/49


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
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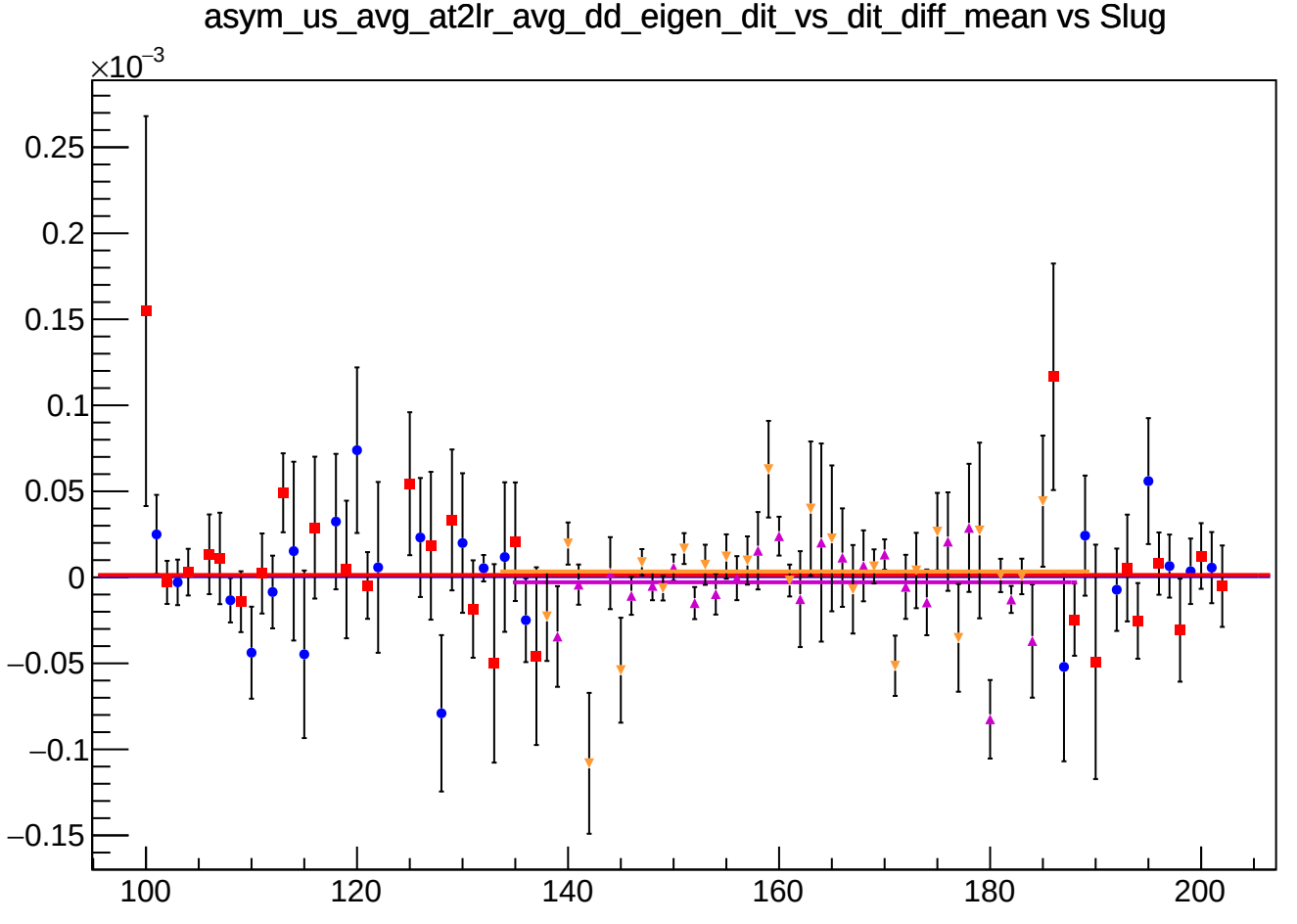
Right In: 290.912+/-0.063 χ²/NDF: 2104610.8/22
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 229.840+/-0.050 χ²/NDF: 4970047.8/26
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 365.705+/-0.052 χ²/NDF: 10756817.5/46
All: 325.146+/-0.034 χ²/NDF: 28237980.4/96
- sign 296.404+/-0.044 χ²/NDF: 16451345.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

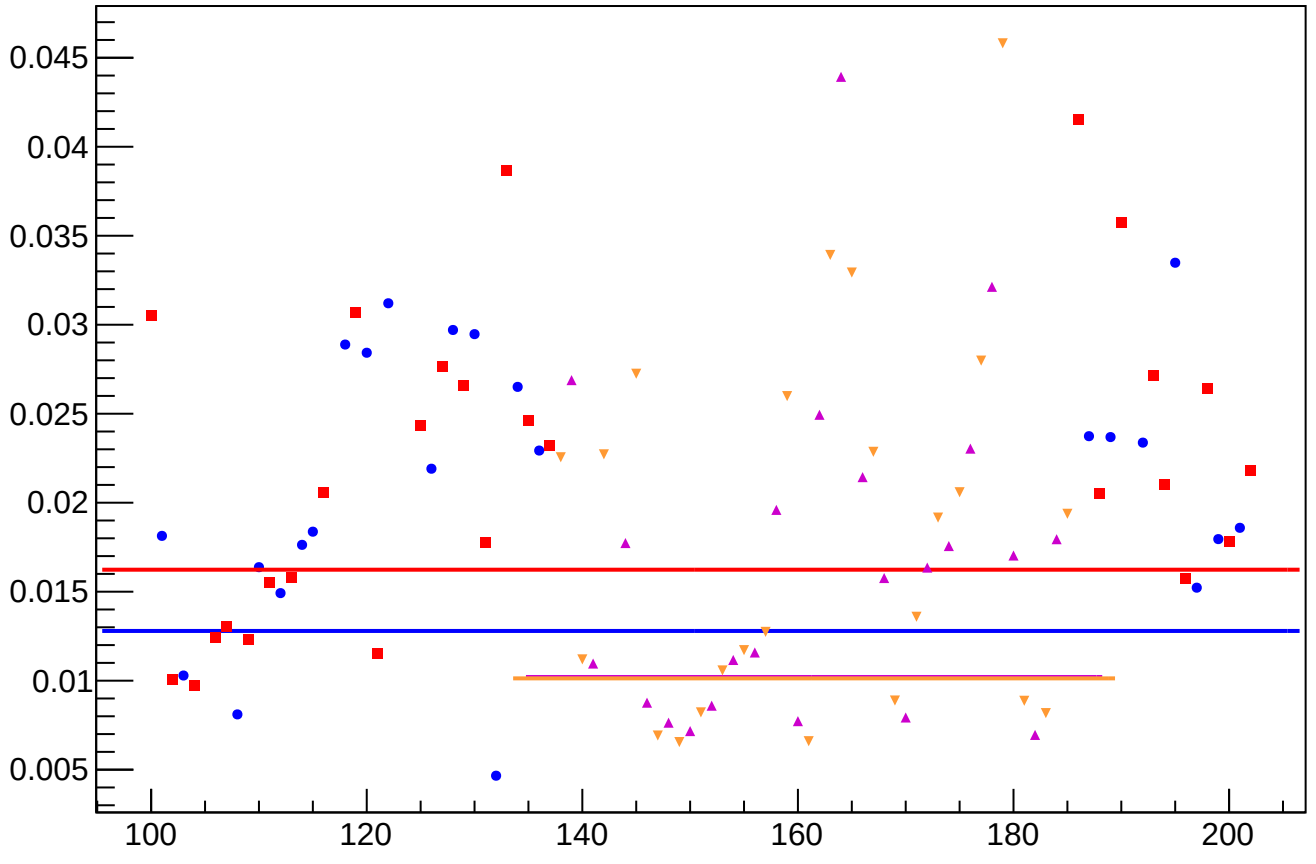
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/26

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/46

All: 0.000+/-0.000 χ^2/NDF: 113.5/96

- sign -0.000+/-0.000 χ^2/NDF: 54.0/49



Right In: 0.013+/-0.000 χ^2/NDF: 6551061.4/22

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

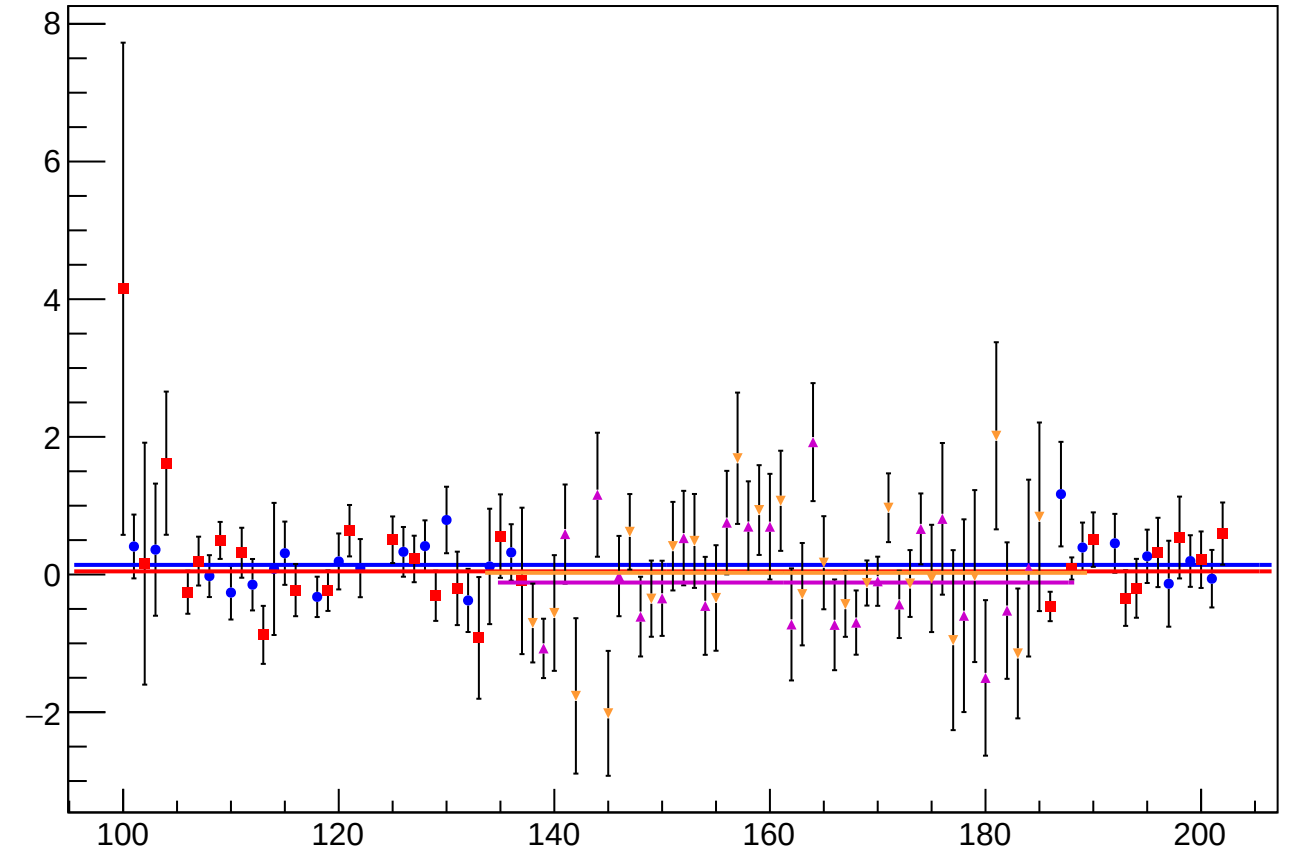
Right Out: 0.016+/-0.000 χ^2/NDF: 3609759.2/26

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 14896080.1/46

All: 0.011+/-0.000 χ^2/NDF: 27147726.1/96

- sign 0.012+/-0.000 χ^2/NDF: 12113873.8/49



Right In: 0.140+/-0.089 χ^2/NDF: 12.5/22

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

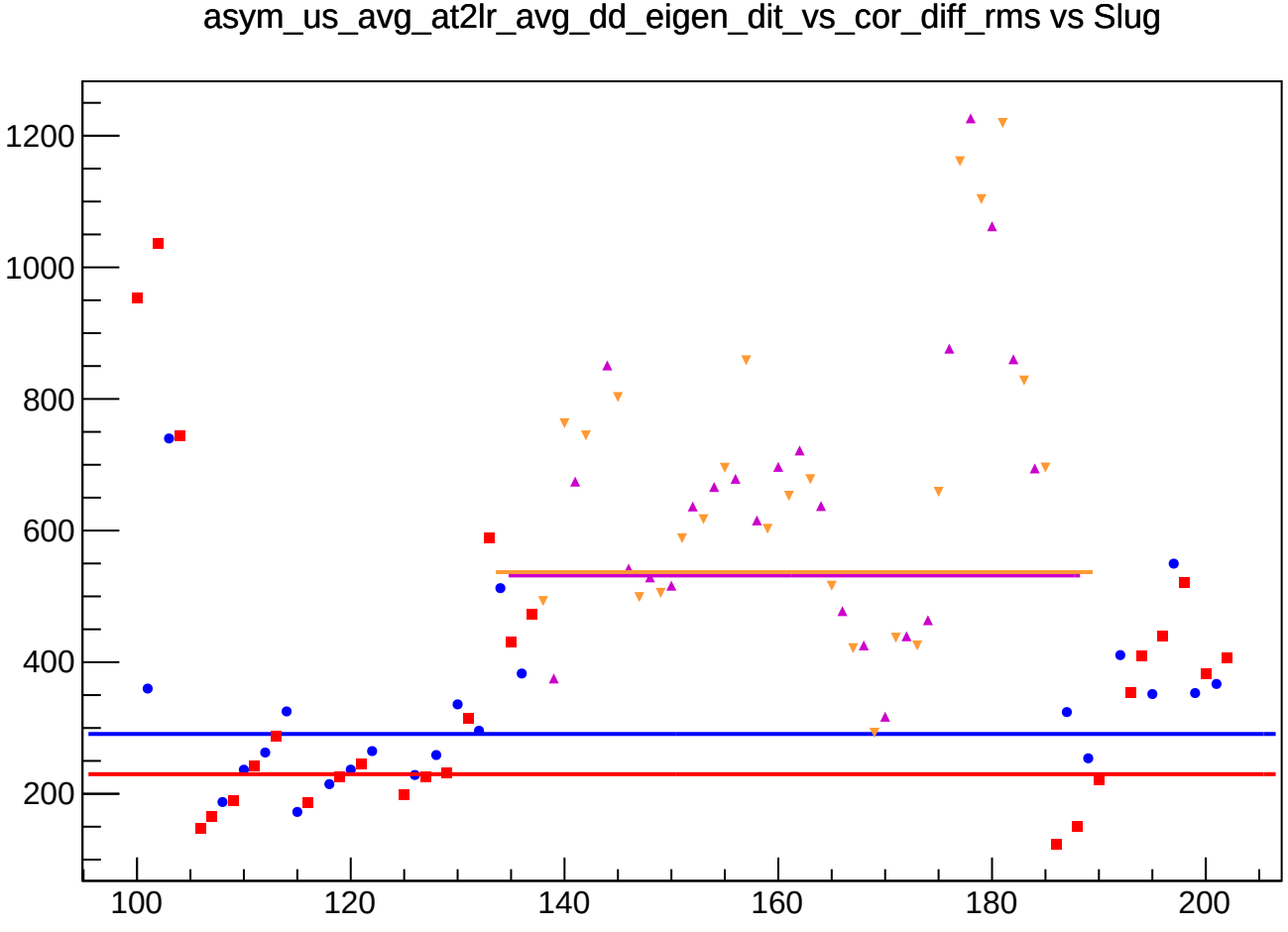
Right Out: 0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.105+/-0.074 χ^2/NDF: 42.1/46

All: 0.049+/-0.048 χ^2/NDF: 105.0/96

- sign 0.010+/-0.062 χ^2/NDF: 62.0/49


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1200
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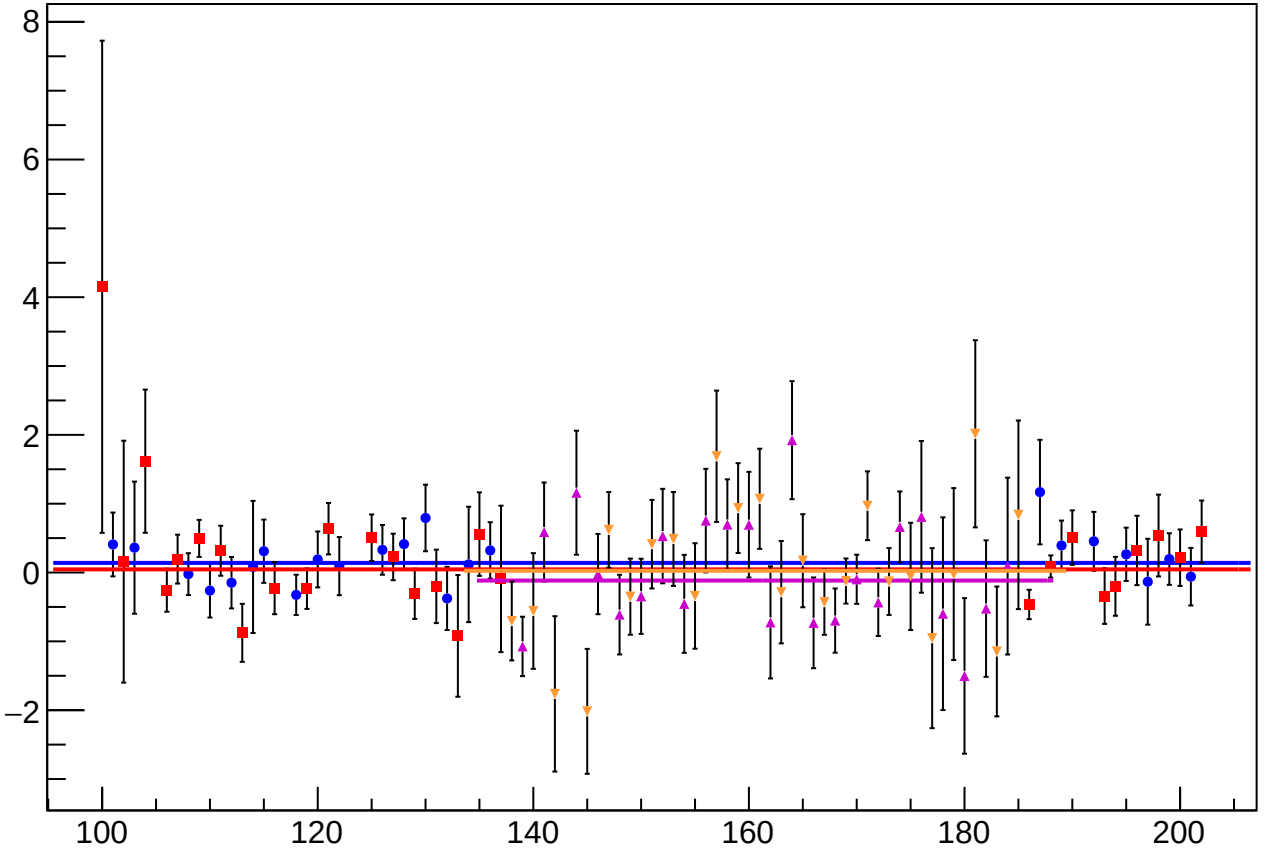
Right In: 290.910+/-0.063 χ²/NDF: 2104602.9/22
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 229.837+/-0.050 χ²/NDF: 4970174.0/26
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 365.703+/-0.052 χ²/NDF: 10757075.2/46
All: 325.143+/-0.034 χ²/NDF: 28238728.3/96
- sign 296.401+/-0.044 χ²/NDF: 16451804.7/49

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.140+/-0.089 χ^2/NDF: 12.5/22

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

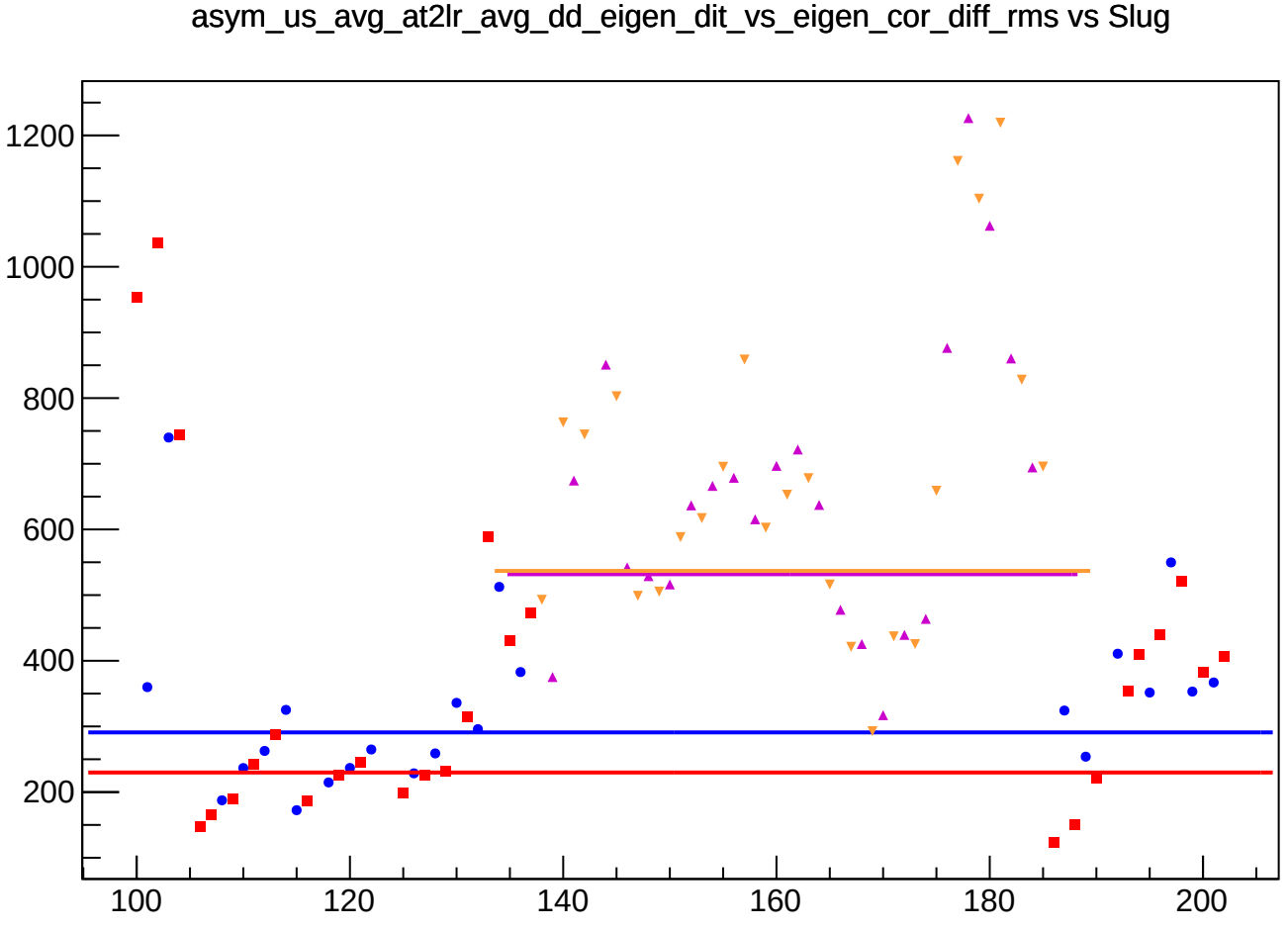
Right Out: 0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.105+/-0.074 χ^2/NDF: 42.1/46

All: 0.049+/-0.048 χ^2/NDF: 105.0/96

- sign 0.010+/-0.062 χ^2/NDF: 62.0/49


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
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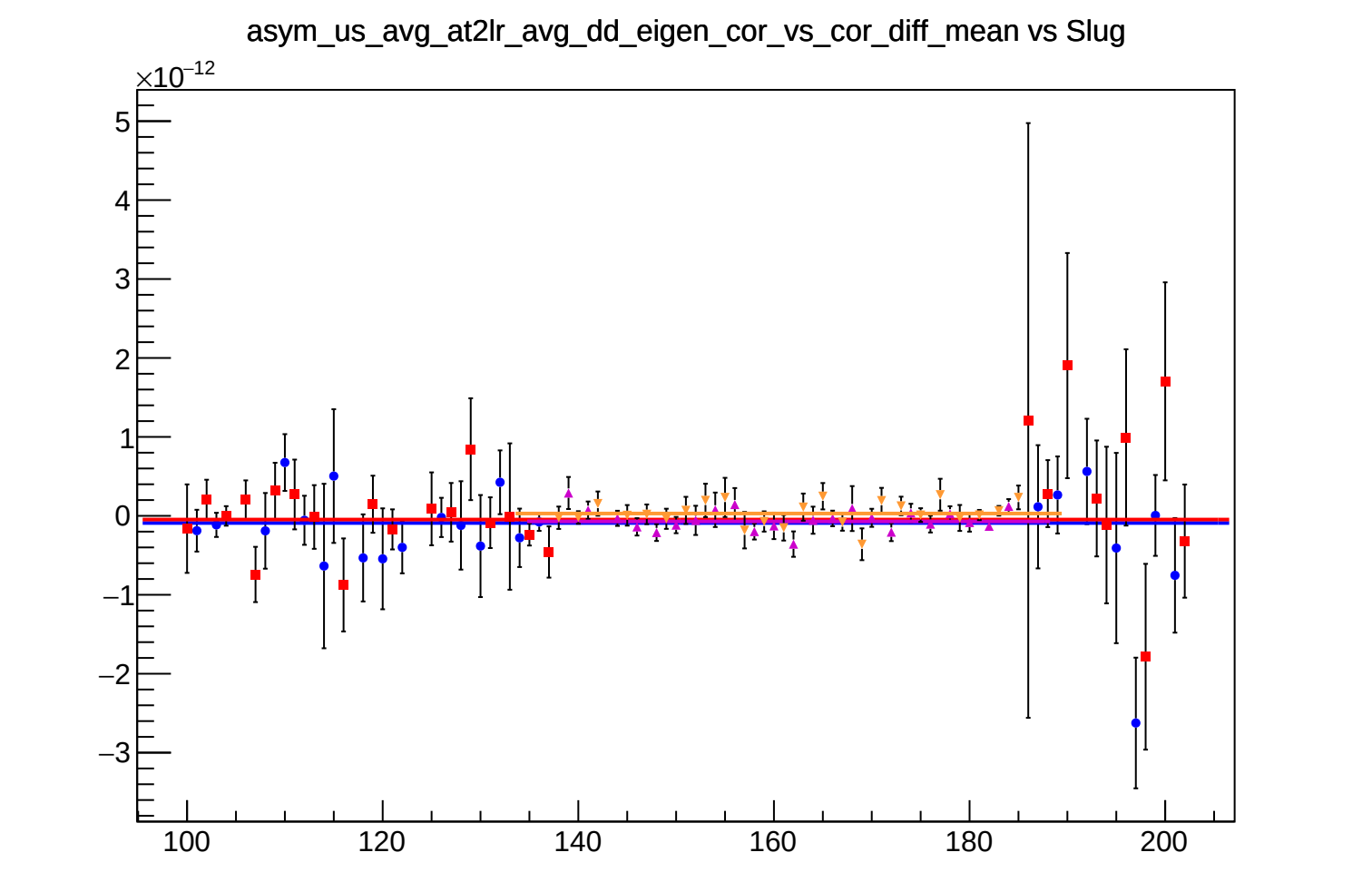
Right In: 290.910+/-0.063 χ²/NDF: 2104602.9/22
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 229.837+/-0.050 χ²/NDF: 4970174.0/26
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 365.703+/-0.052 χ²/NDF: 10757075.2/46
All: 325.143+/-0.034 χ²/NDF: 28238728.3/96
- sign 296.401+/-0.044 χ²/NDF: 16451804.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

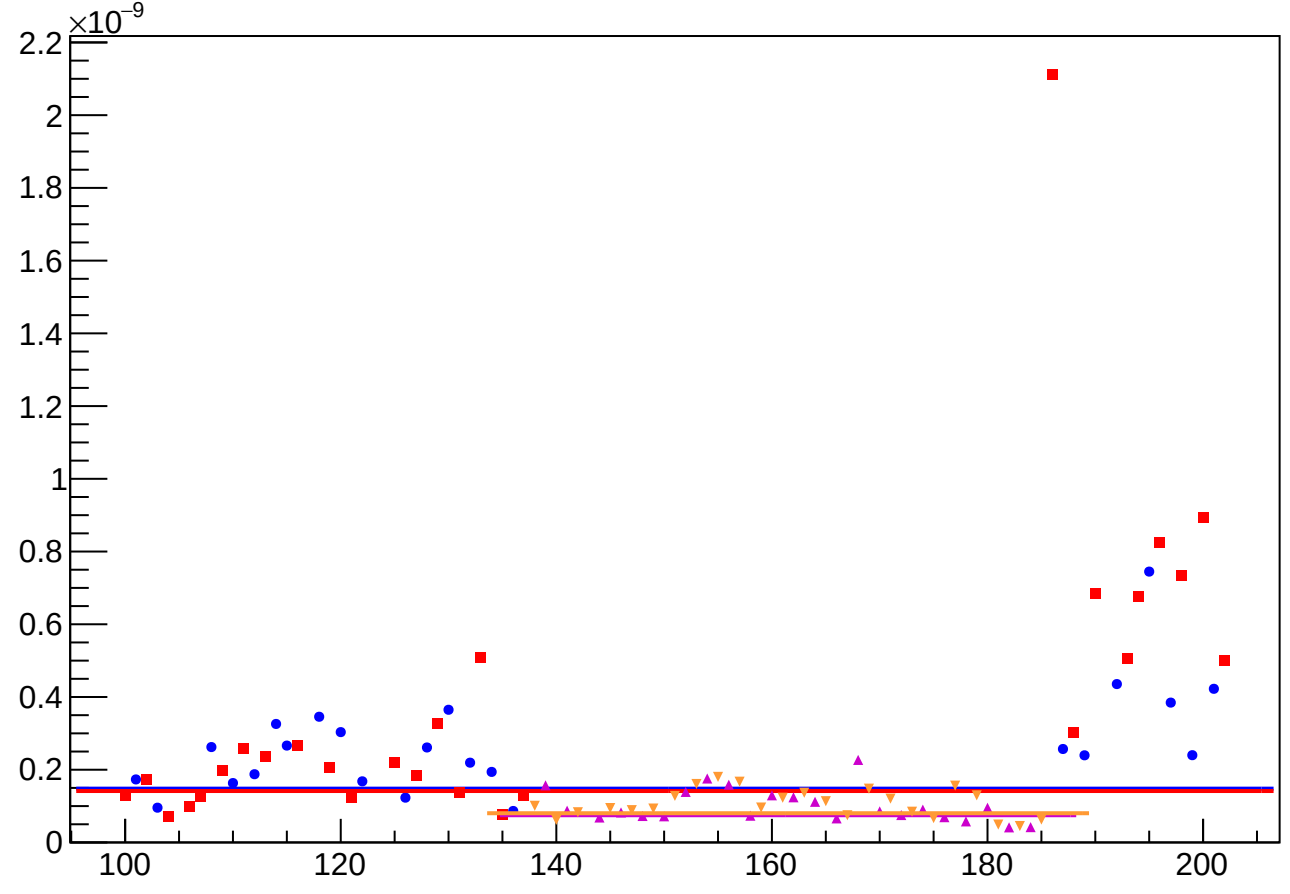
Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/26

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.2/46

All: -0.000+/-0.000 χ^2/NDF: 96.2/96

- sign -0.000+/-0.000 χ^2/NDF: 47.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 3377664.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6864264.6/26

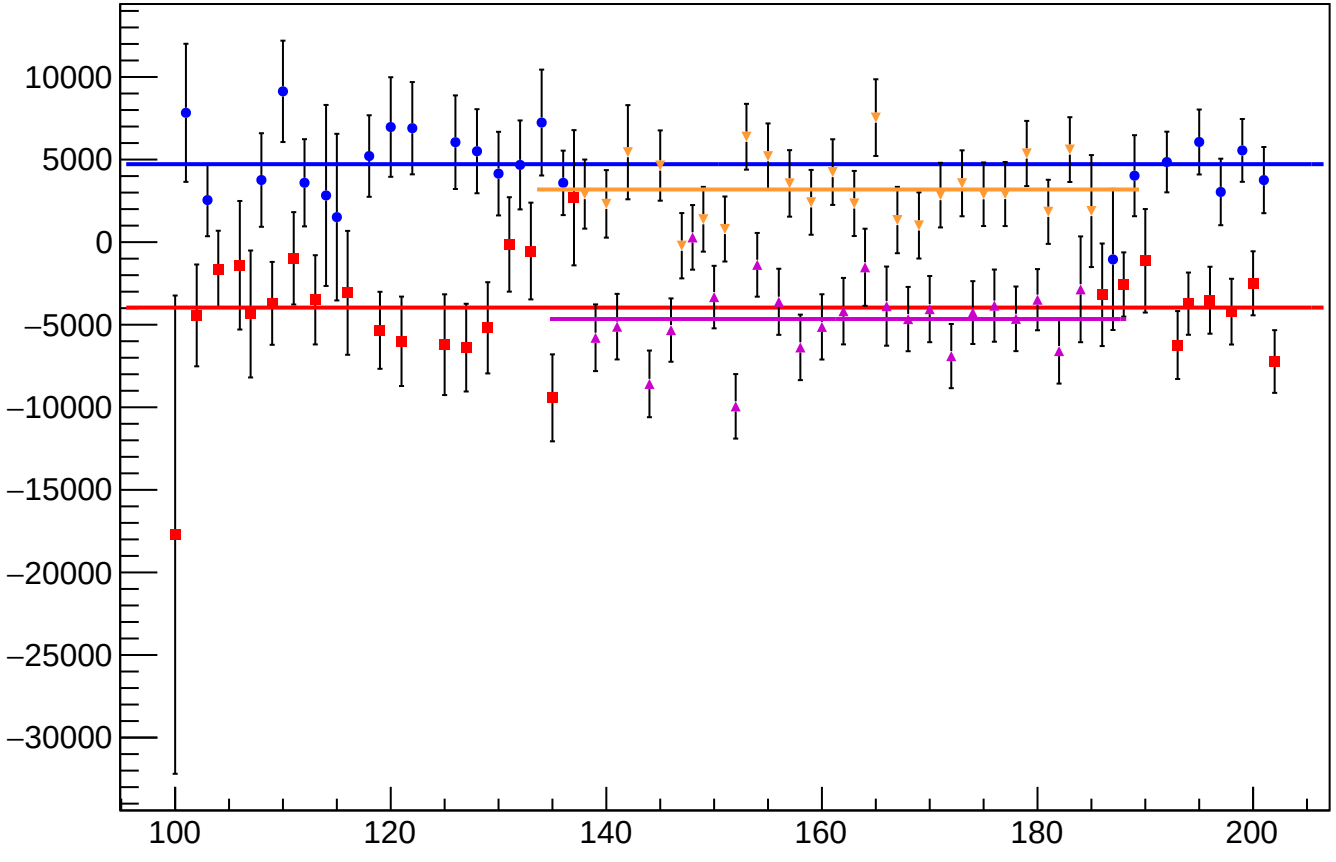
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8927372.9/46

All: 0.000+/-0.000 χ^2/NDF: 21492715.2/96

- sign 0.000+/-0.000 χ^2/NDF: 12504352.6/49

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4720.698+/-527.418 χ^2/NDF: 10.4/22

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3962.507+/-494.275 χ^2/NDF: 22.4/26

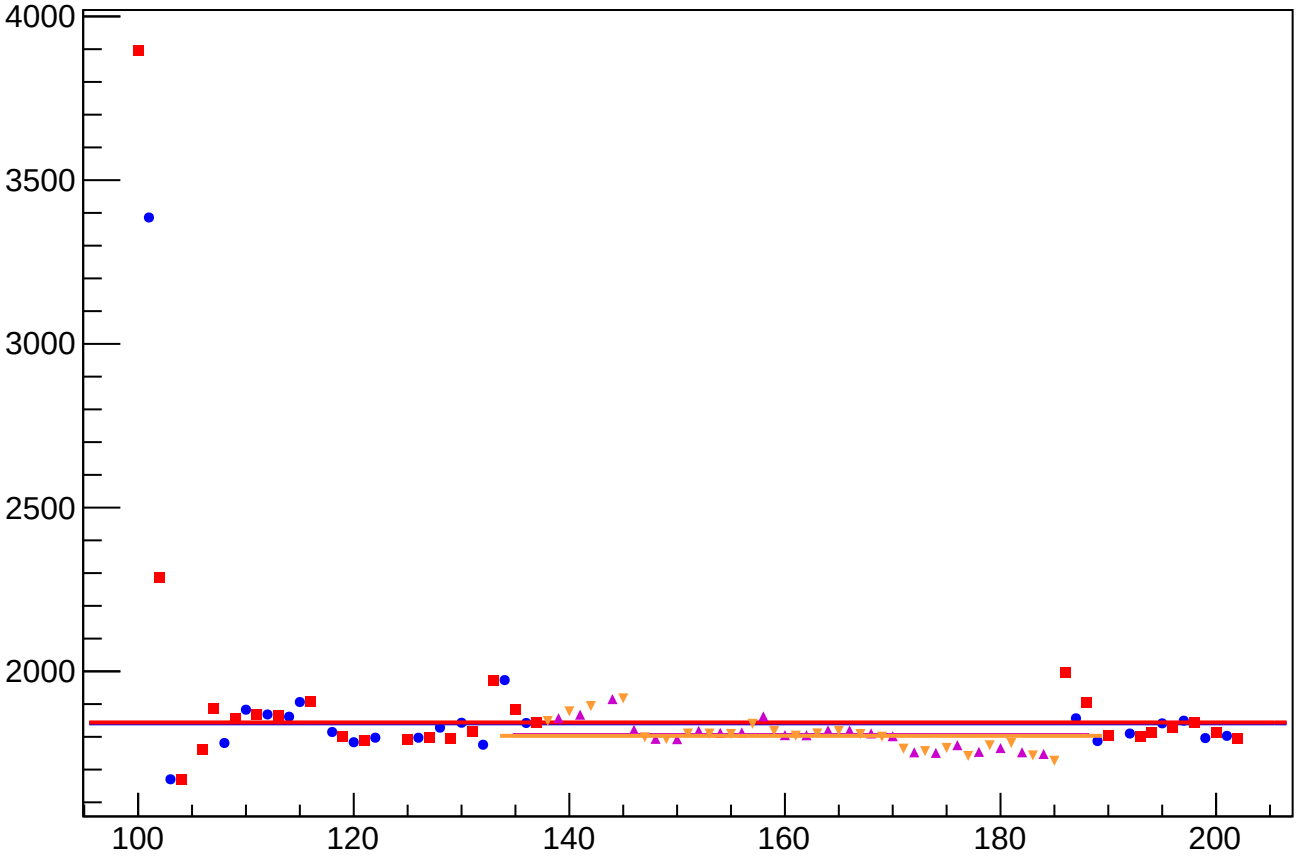
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3779.845+/-327.889 χ^2/NDF: 35.5/46

All: -380.715+/-229.307 χ^2/NDF: 401.9/96

- sign -4363.405+/-320.804 χ^2/NDF: 51.3/49

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1841.241+/-0.373 χ^2/NDF: 297157.4/22

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

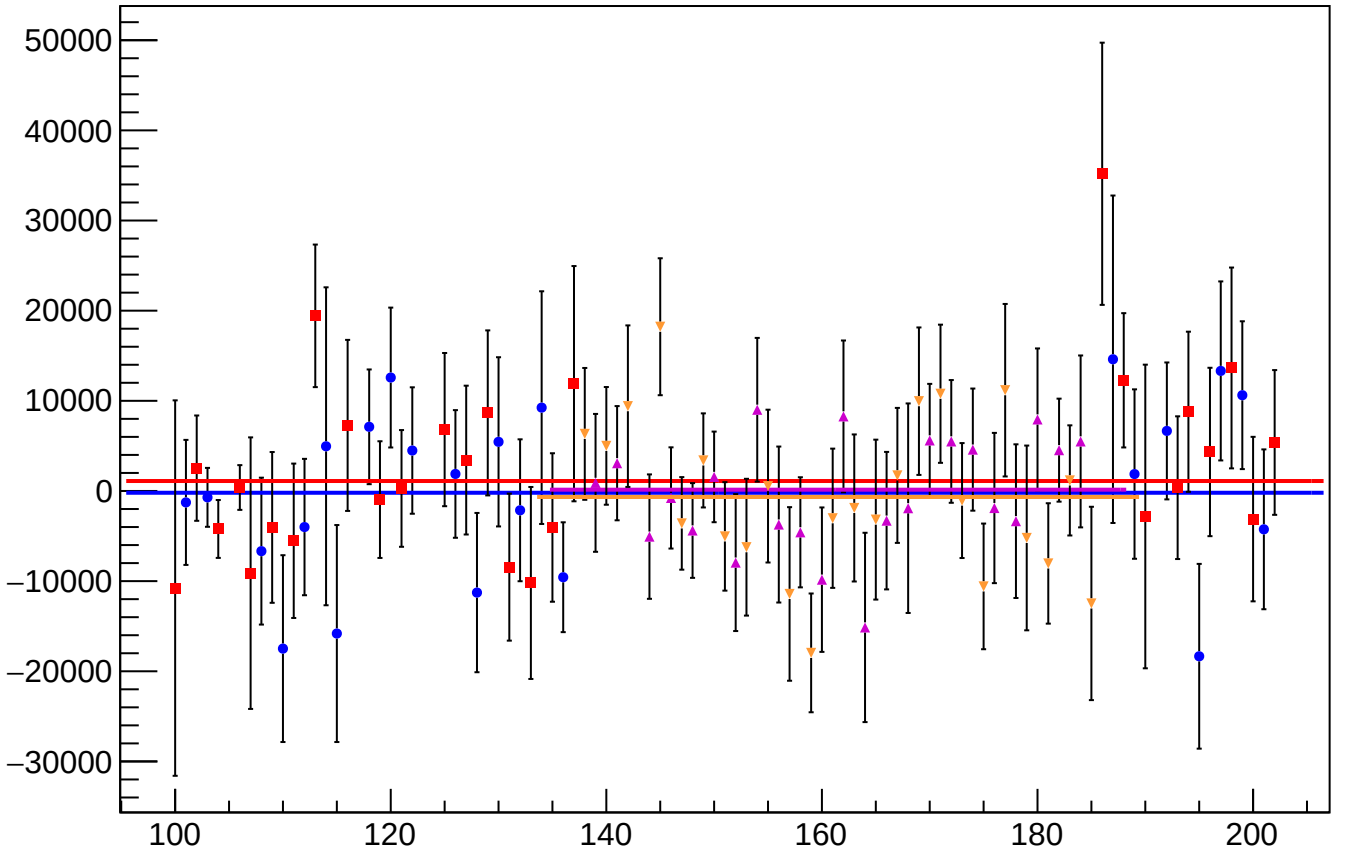
Right Out: 1843.946+/-0.349 χ^2/NDF: 112944.4/26

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1817.850+/-0.232 χ^2/NDF: 324210.3/46

All: 1819.848+/-0.162 χ^2/NDF: 463608.6/96

- sign 1821.758+/-0.227 χ^2/NDF: 139253.1/49



Right In: -197.730+/-1580.606 χ^2/NDF: 23.4/22

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

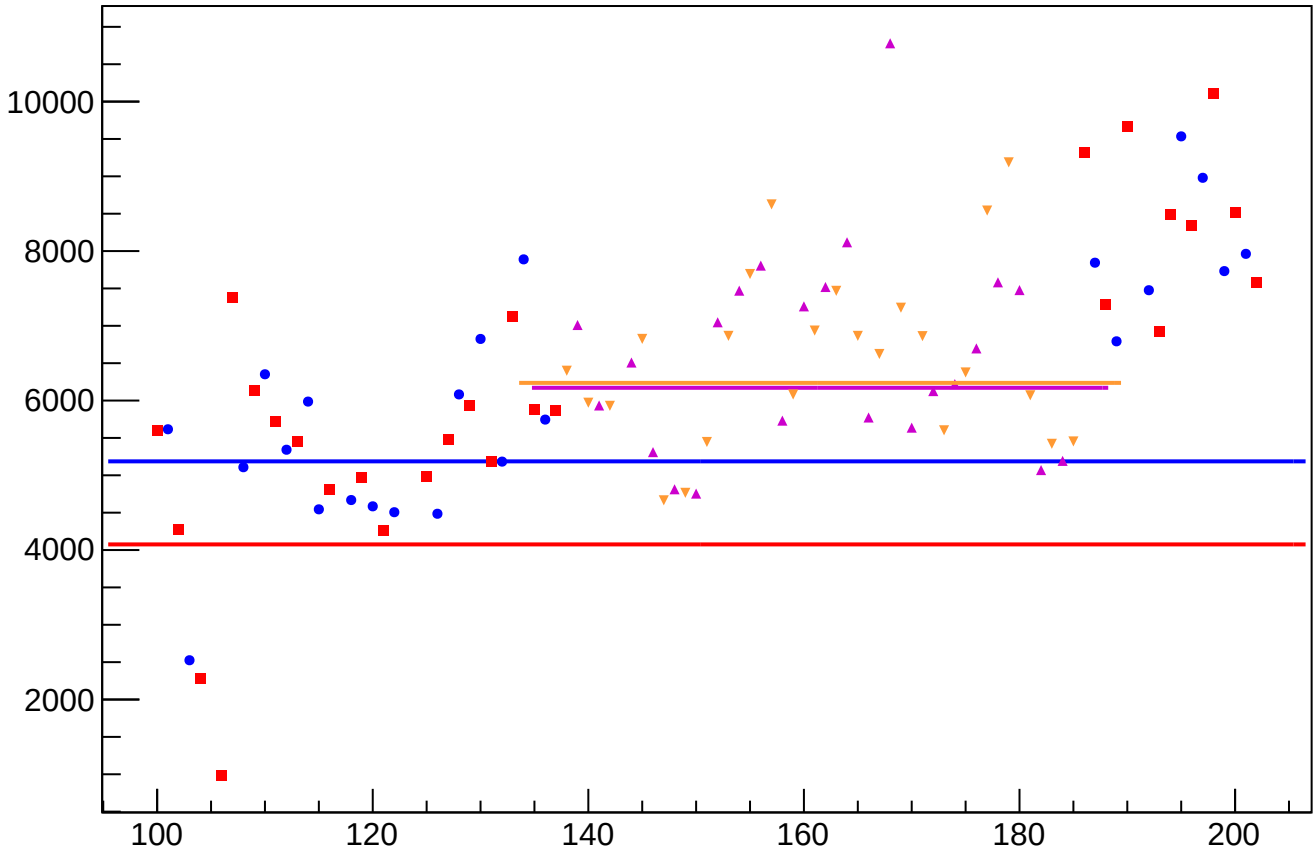
Right Out: 1105.302+/-1307.187 χ^2/NDF: 25.8/26

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -448.093+/-1079.867 χ^2/NDF: 53.2/46

All: 172.650+/-724.584 χ^2/NDF: 93.4/96

- sign 681.007+/-977.234 χ^2/NDF: 39.6/49



Right In: 5186.537+/-1.118 χ^2/NDF: 2943978.1/22

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4075.363+/-0.924 χ^2/NDF: 8114683.2/26

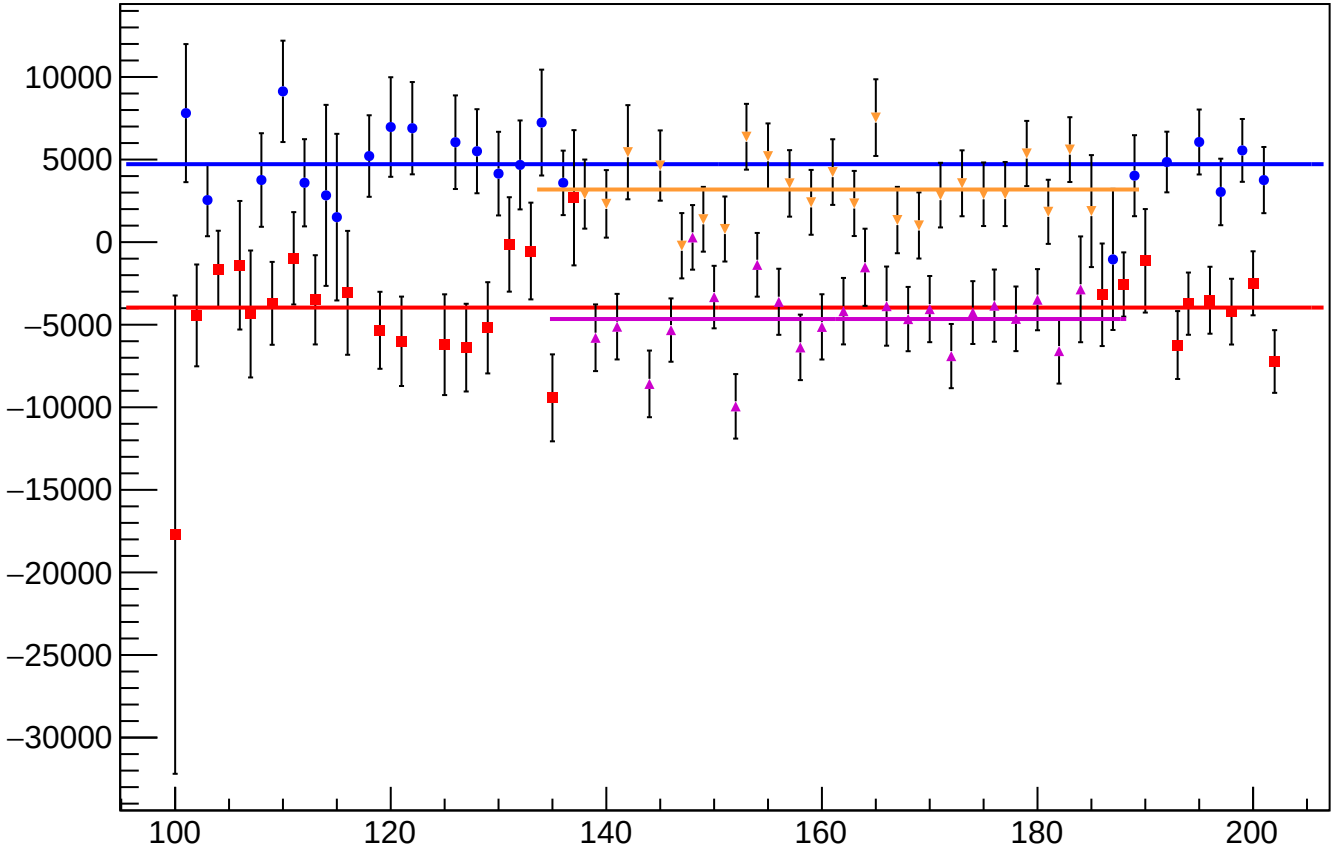
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5746.492+/-0.764 χ^2/NDF: 4482361.6/46

All: 5335.924+/-0.512 χ^2/NDF: 16627477.9/9

- sign 4999.690+/-0.691 χ^2/NDF: 11619245.0/49

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4720.499+/-527.418 χ^2/NDF: 10.4/22

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3962.379+/-494.275 χ^2/NDF: 22.4/26

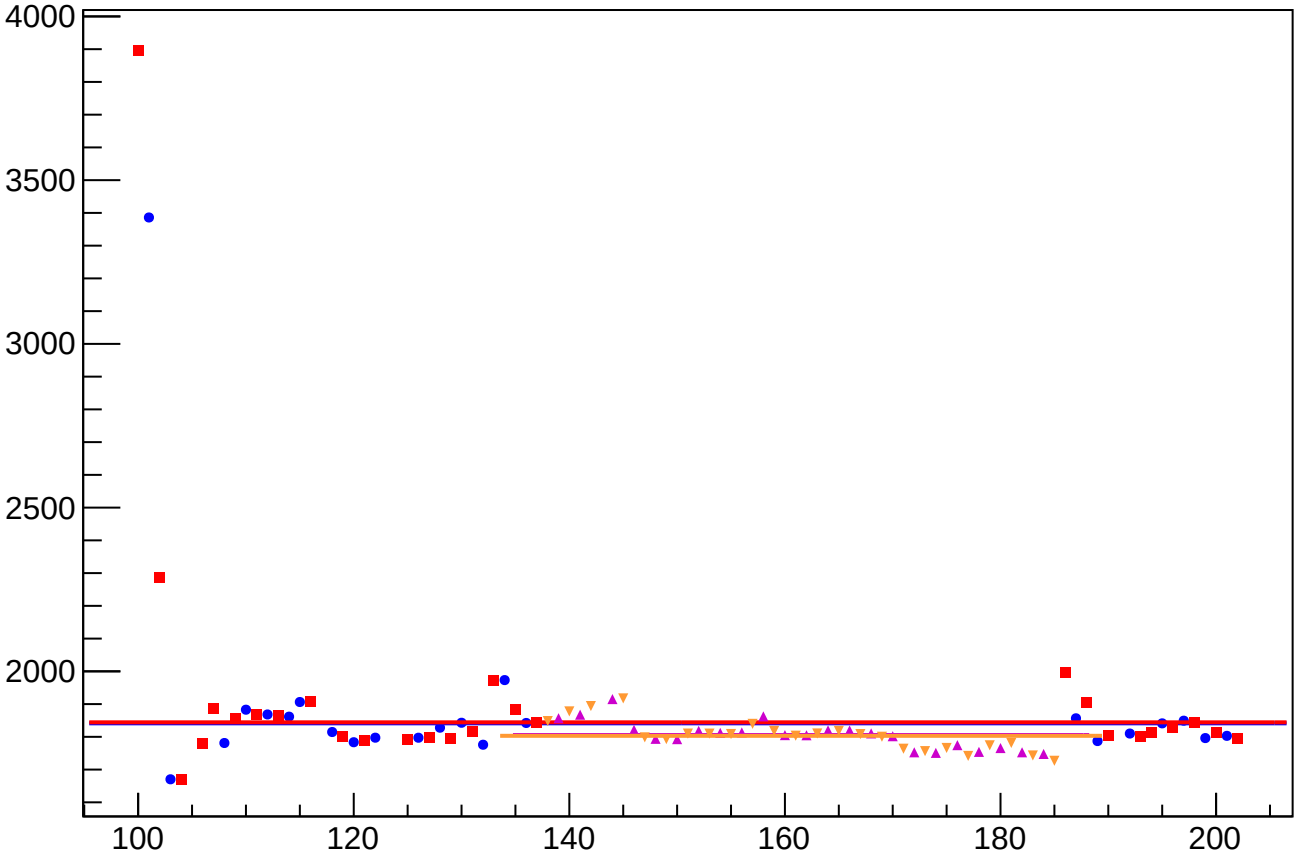
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3779.726+/-327.889 χ^2/NDF: 35.5/46

All: -380.751+/-229.307 χ^2/NDF: 401.9/96

- sign -4363.362+/-320.804 χ^2/NDF: 51.3/49

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1841.241+/-0.373 χ^2/NDF: 297159.2/22

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

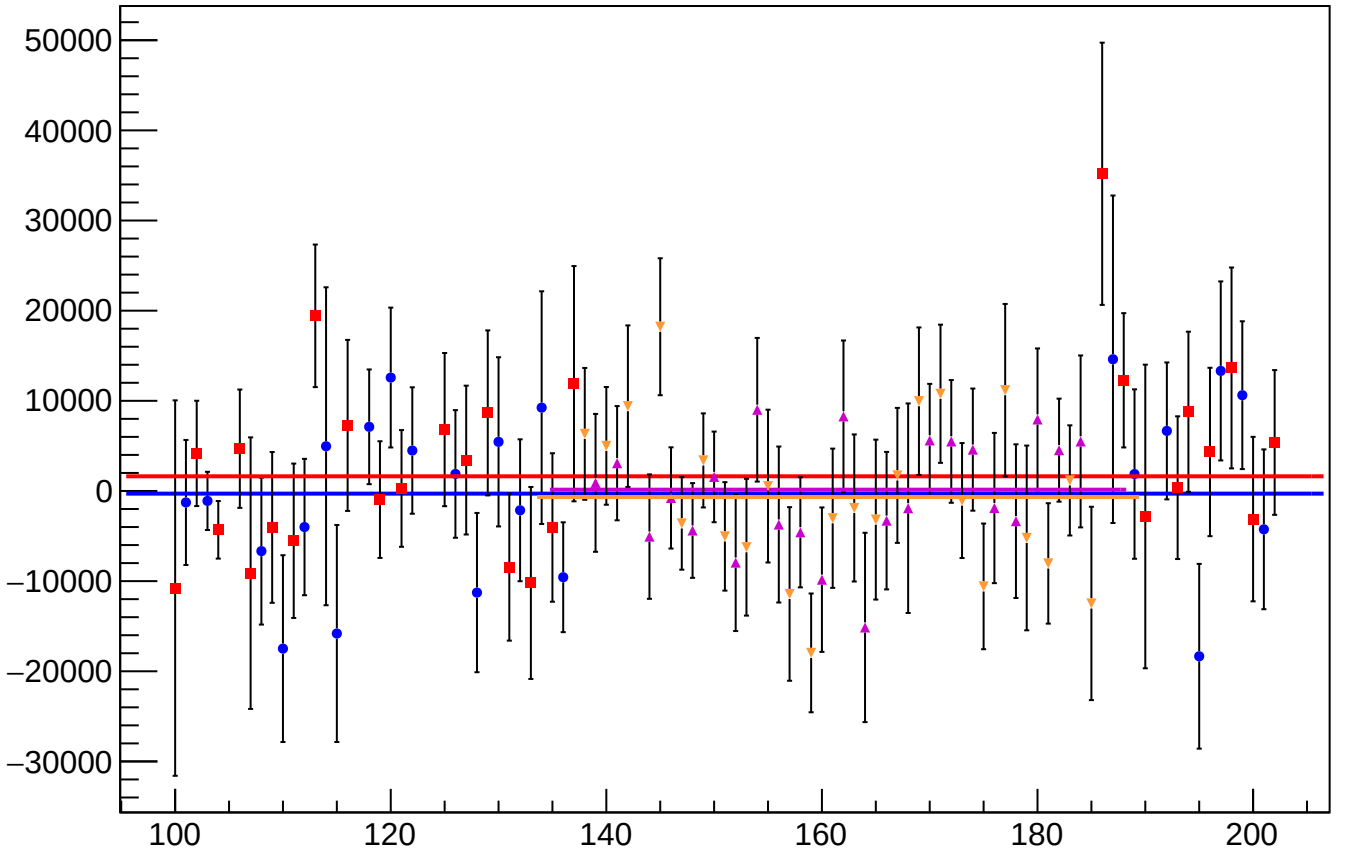
Right Out: 1844.300+/-0.349 χ^2/NDF: 112530.8/26

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.850+/-0.232 χ^2/NDF: 324212.1/46

All: 1819.923+/-0.162 χ^2/NDF: 463336.3/96

- sign 1821.905+/-0.227 χ^2/NDF: 138967.9/49



Right In: -294.991+/-1576.067 χ^2/NDF: 23.5/22

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: 1627.800+/-1495.697 χ^2/NDF: 26.2/26

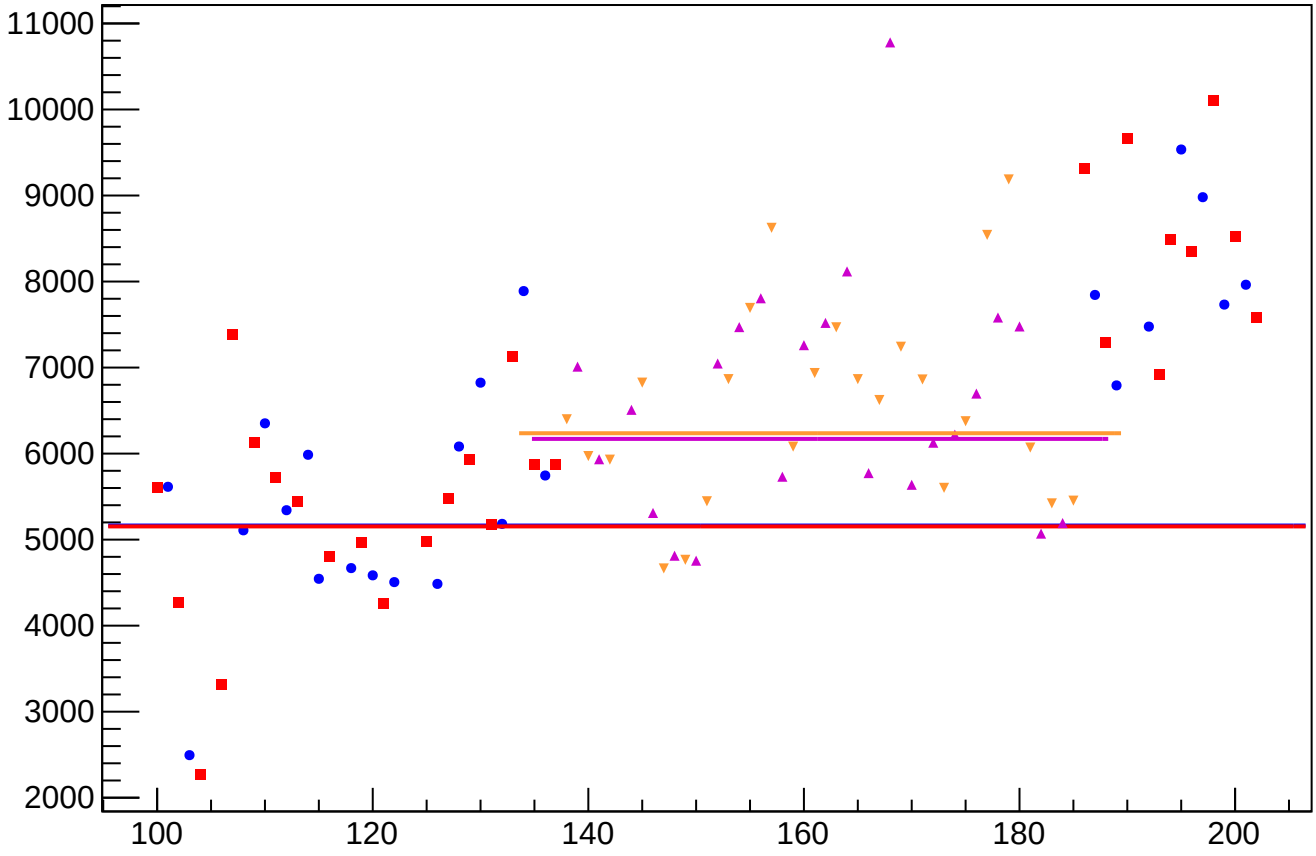
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -492.959+/-1078.416 χ^2/NDF: 53.3/46

All: 209.175+/-751.907 χ^2/NDF: 94.4/96

- sign 873.415+/-1048.911 χ^2/NDF: 40.3/49

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 5163.921+/-1.114 χ^2/NDF: 3007752.1/22

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

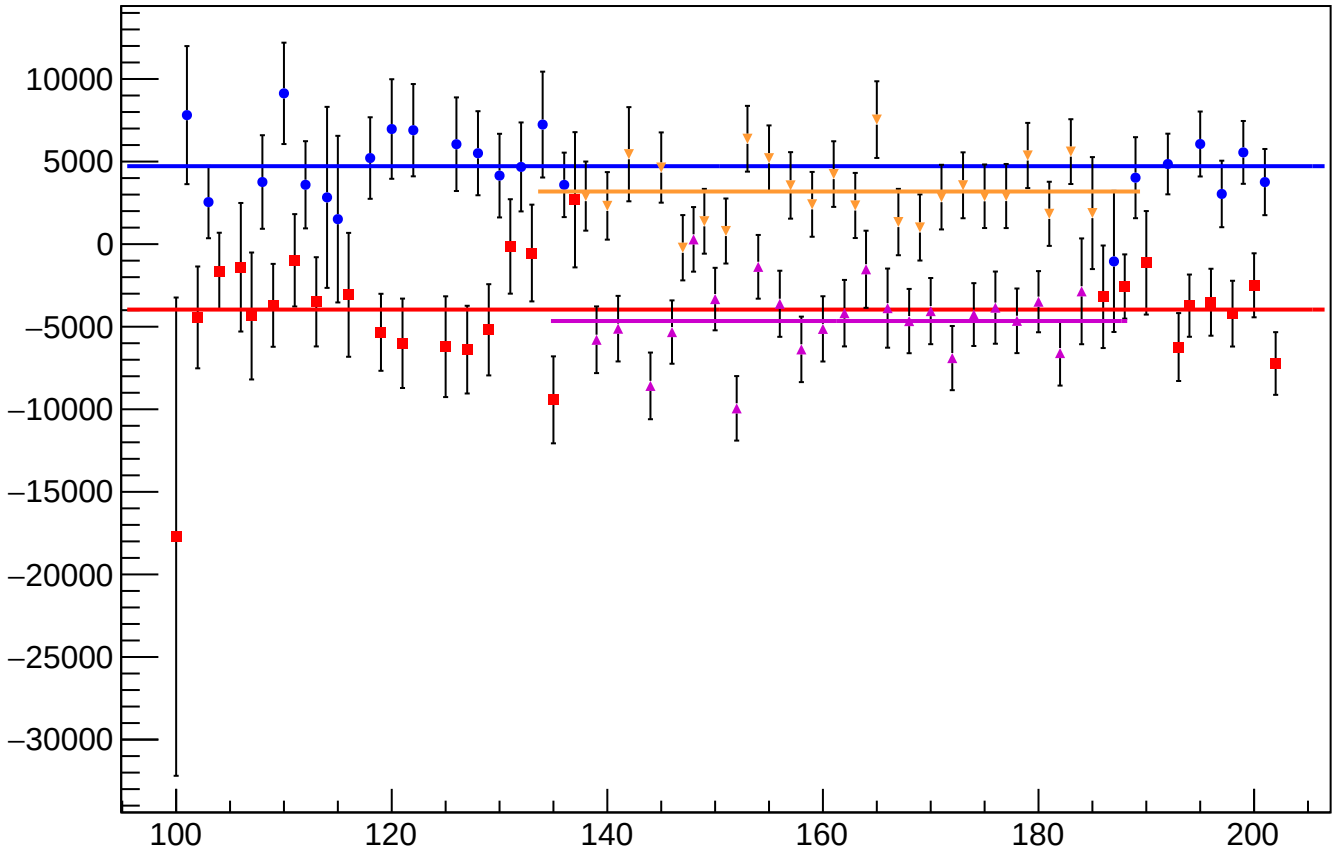
Right Out: 5153.457+/-1.058 χ^2/NDF: 4006724.5/26

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5734.400+/-0.763 χ^2/NDF: 4568141.0/46

All: 5701.545+/-0.532 χ^2/NDF: 10286262.4/9

- sign 5670.463+/-0.742 χ^2/NDF: 5714508.9/49



Right In: 4720.499+/-527.418 χ^2/NDF: 10.4/22

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3962.379+/-494.275 χ^2/NDF: 22.4/26

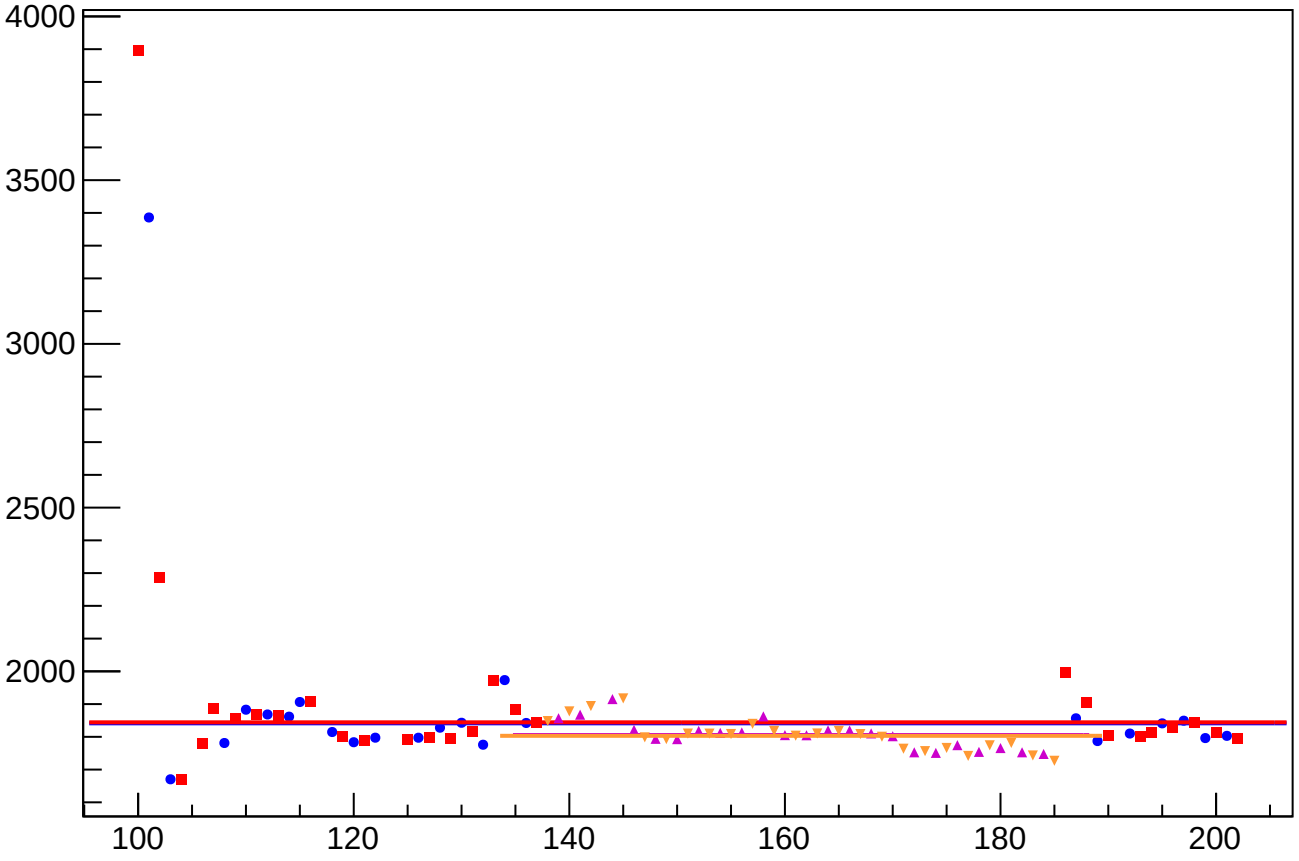
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3779.726+/-327.889 χ^2/NDF: 35.5/46

All: -380.751+/-229.307 χ^2/NDF: 401.9/96

- sign -4363.362+/-320.804 χ^2/NDF: 51.3/49

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1841.241+/-0.373 χ^2/NDF: 297159.2/22

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

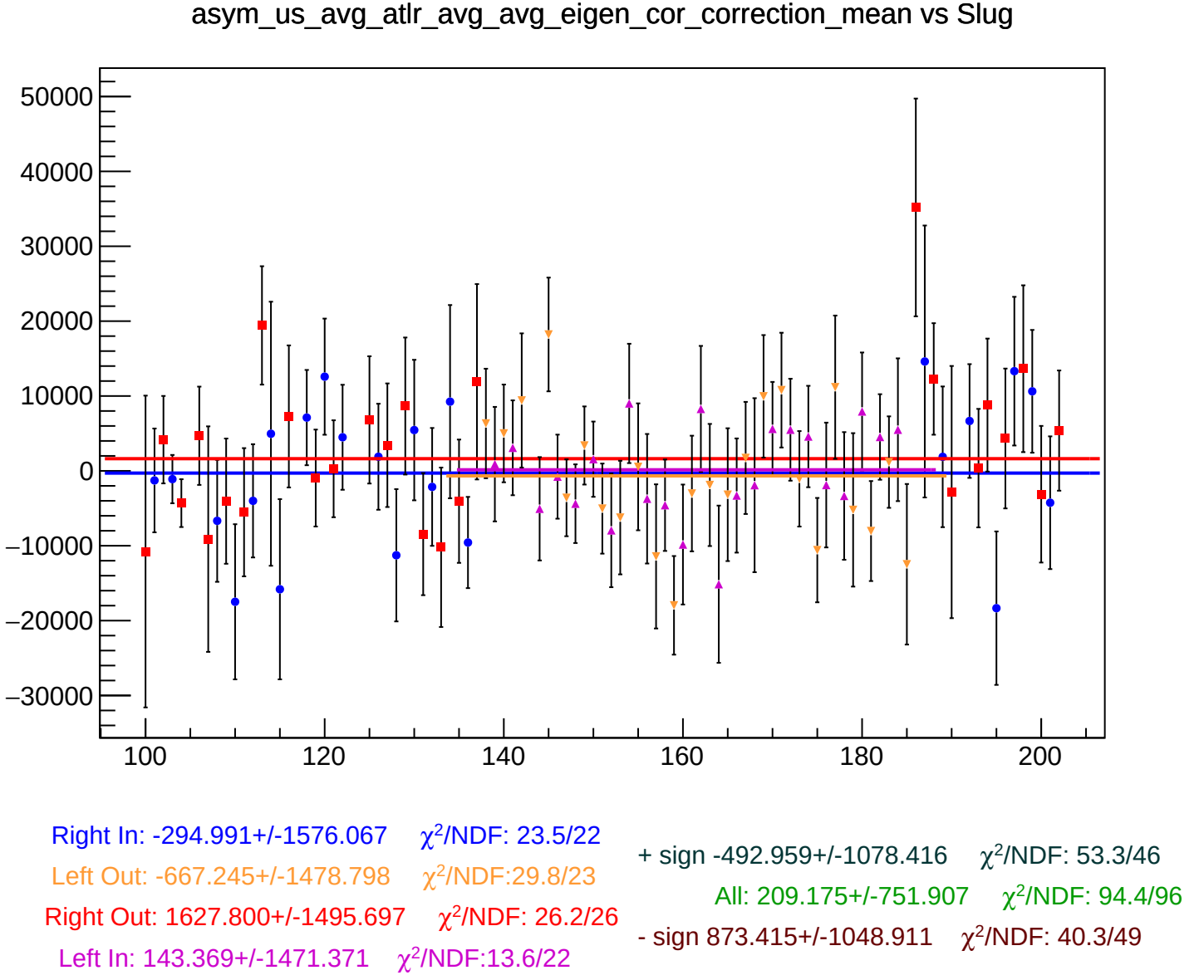
Right Out: 1844.300+/-0.349 χ^2/NDF: 112530.8/26

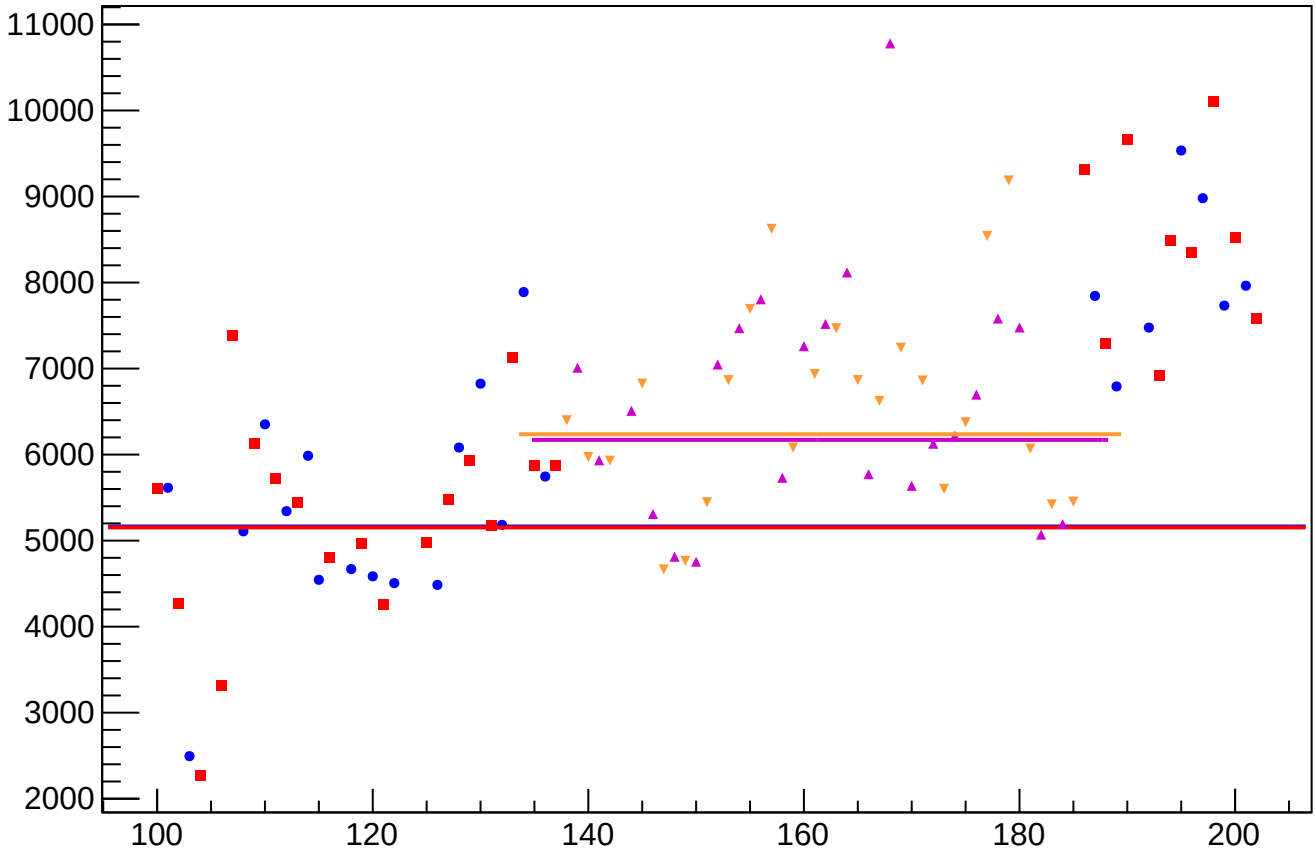
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.850+/-0.232 χ^2/NDF: 324212.1/46

All: 1819.923+/-0.162 χ^2/NDF: 463336.3/96

- sign 1821.905+/-0.227 χ^2/NDF: 138967.9/49


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -294.991+/-1576.067 χ²/NDF: 23.5/22
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1627.800+/-1495.697 χ²/NDF: 26.2/26
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -492.959+/-1078.416 χ²/NDF: 53.3/46
All: 209.175+/-751.907 χ²/NDF: 94.4/96
- sign 873.415+/-1048.911 χ²/NDF: 40.3/49



Right In: 5163.921+/-1.114 χ^2/NDF: 3007752.1/22

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

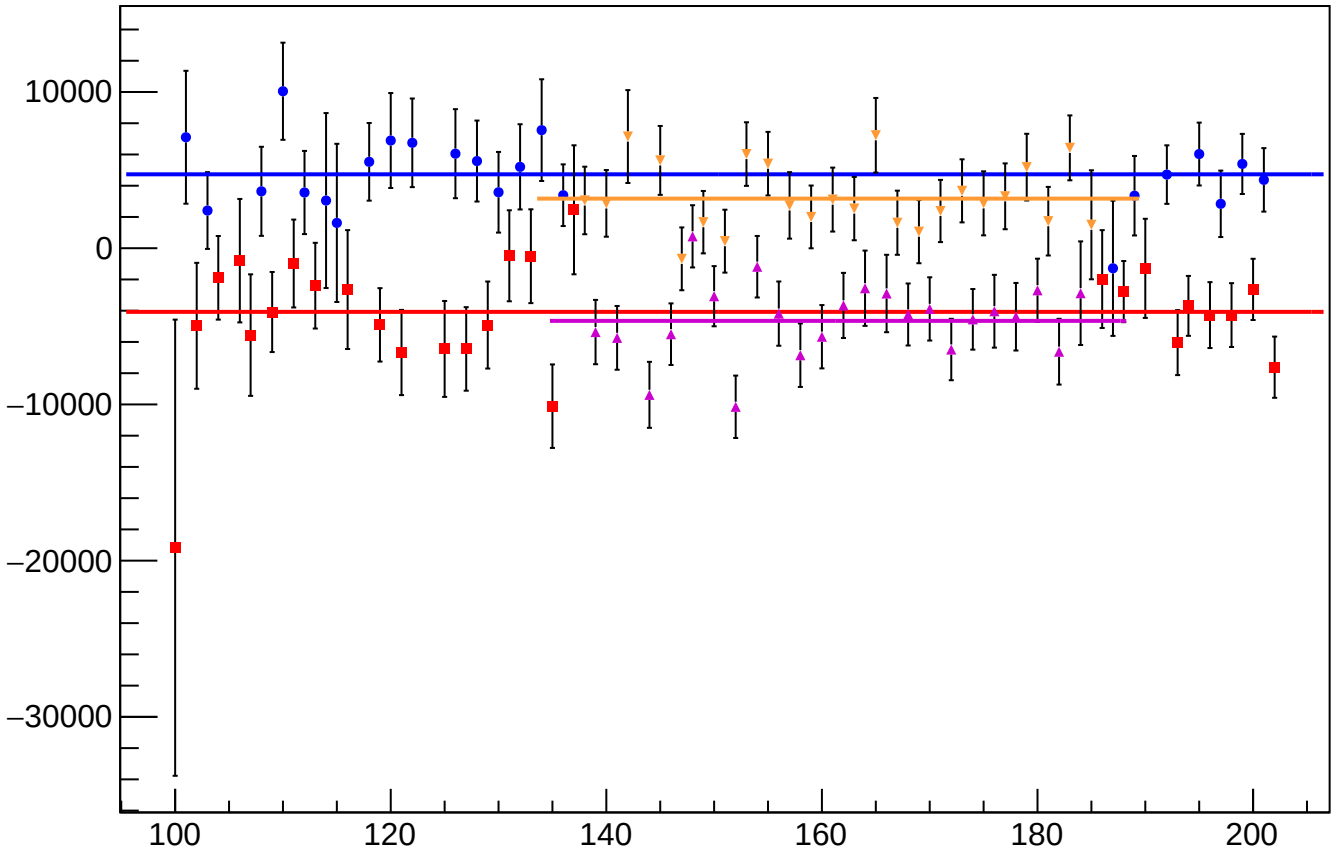
Right Out: 5153.457+/-1.058 χ^2/NDF: 4006724.5/26

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5734.400+/-0.763 χ^2/NDF: 4568141.0/46

All: 5701.545+/-0.532 χ^2/NDF: 10286262.4/9

- sign 5670.463+/-0.742 χ^2/NDF: 5714508.9/49



Right In: 4730.865+/-539.593 χ^2/NDF: 11.4/22

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -4074.463+/-507.353 χ^2/NDF: 23.8/26

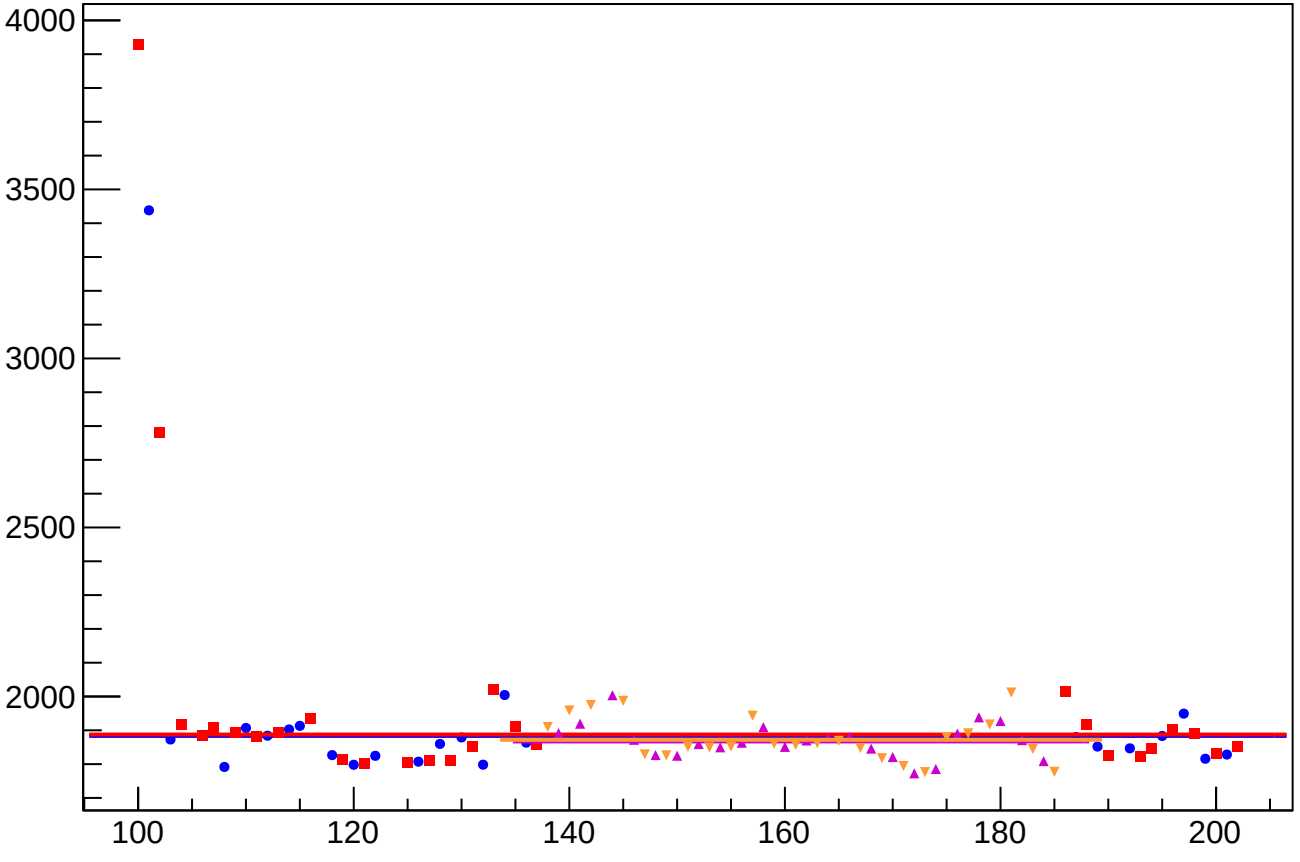
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3787.270+/-338.570 χ^2/NDF: 38.0/46

All: -404.786+/-236.595 χ^2/NDF: 392.7/96

- sign -4405.654+/-330.759 χ^2/NDF: 55.1/49

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1883.472+/-0.382 χ^2/NDF: 286477.3/22

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

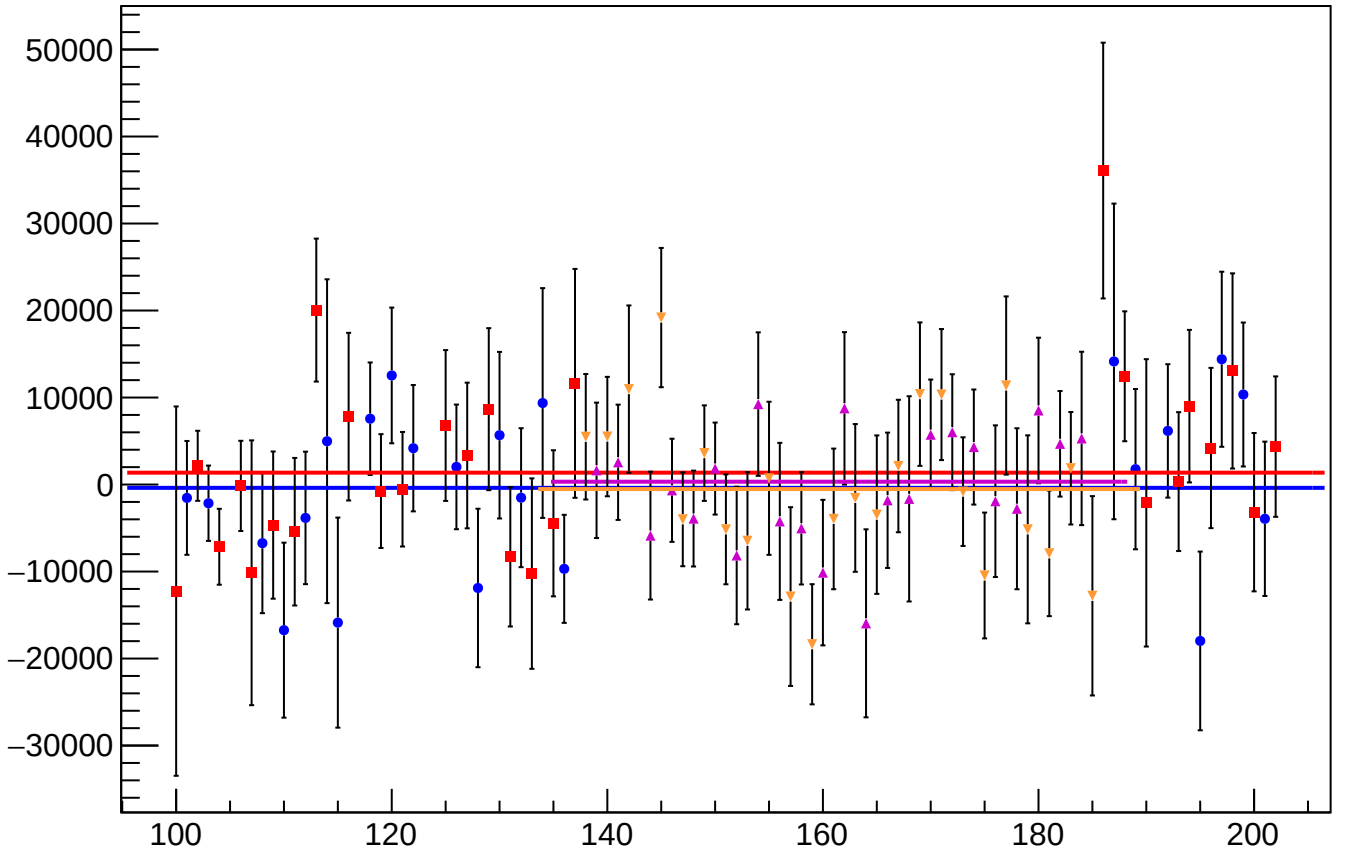
Right Out: 1887.463+/-0.359 χ^2/NDF: 160913.8/26

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1876.504+/-0.239 χ^2/NDF: 324182.2/46

All: 1876.117+/-0.167 χ^2/NDF: 514205.2/96

- sign 1875.748+/-0.234 χ^2/NDF: 190017.9/49



Right In: -380.310+/-1674.331 χ^2/NDF: 23.3/22

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

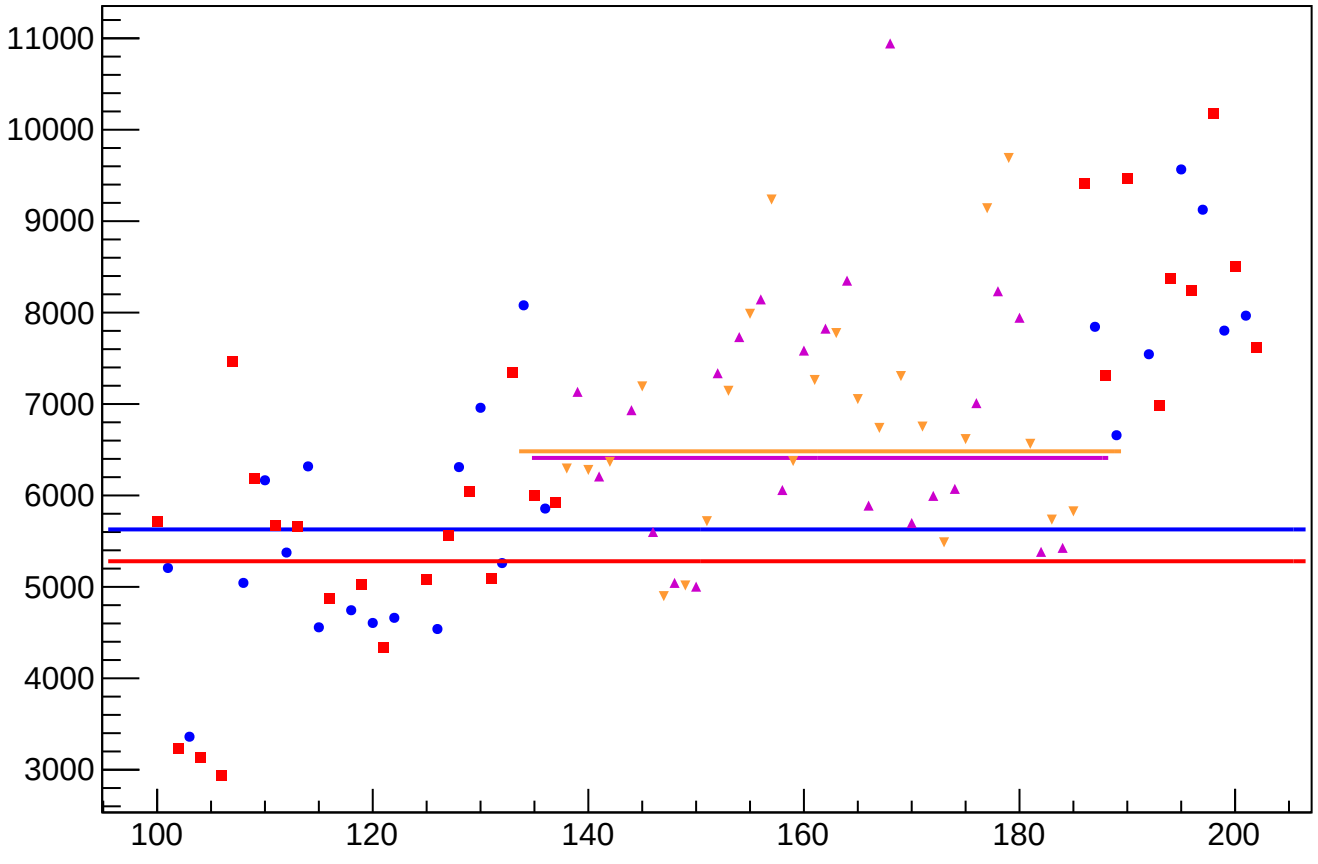
Right Out: 1365.043+/-1502.394 χ^2/NDF: 26.8/26

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -456.270+/-1132.179 χ^2/NDF: 52.5/46

All: 234.846+/-778.152 χ^2/NDF: 93.6/96

- sign 853.623+/-1071.290 χ^2/NDF: 40.4/49



Right In: 5628.508+/-1.184 χ^2/NDF: 1865559.7/22

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

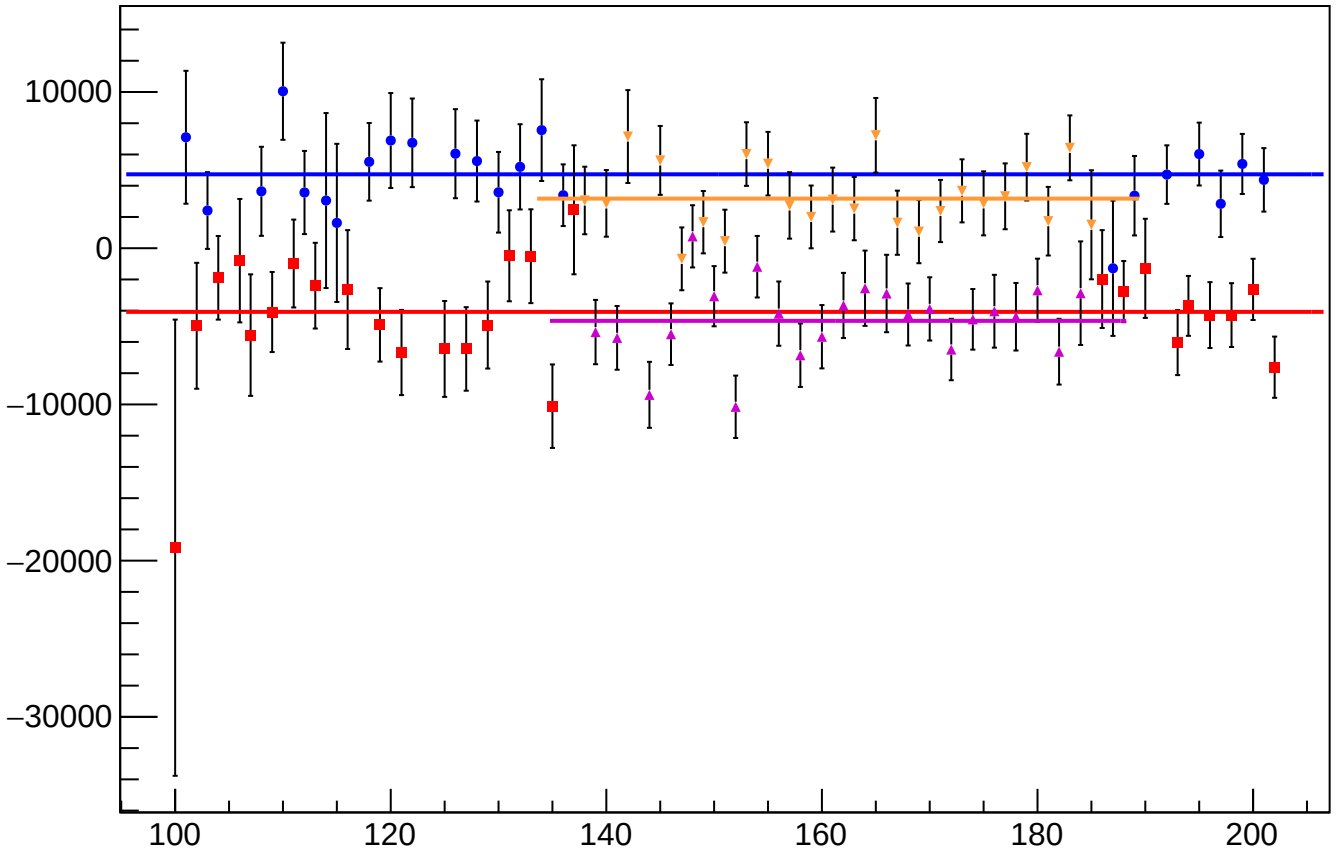
Right Out: 5280.462+/-1.062 χ^2/NDF: 3422758.5/26

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6092.142+/-0.801 χ^2/NDF: 3222693.5/46

All: 5956.943+/-0.550 χ^2/NDF: 8475440.4/96

- sign 5835.895+/-0.758 χ^2/NDF: 5198692.4/49



Right In: 4730.862+/-539.593 χ^2/NDF: 11.4/22

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -4074.460+/-507.353 χ^2/NDF: 23.8/26

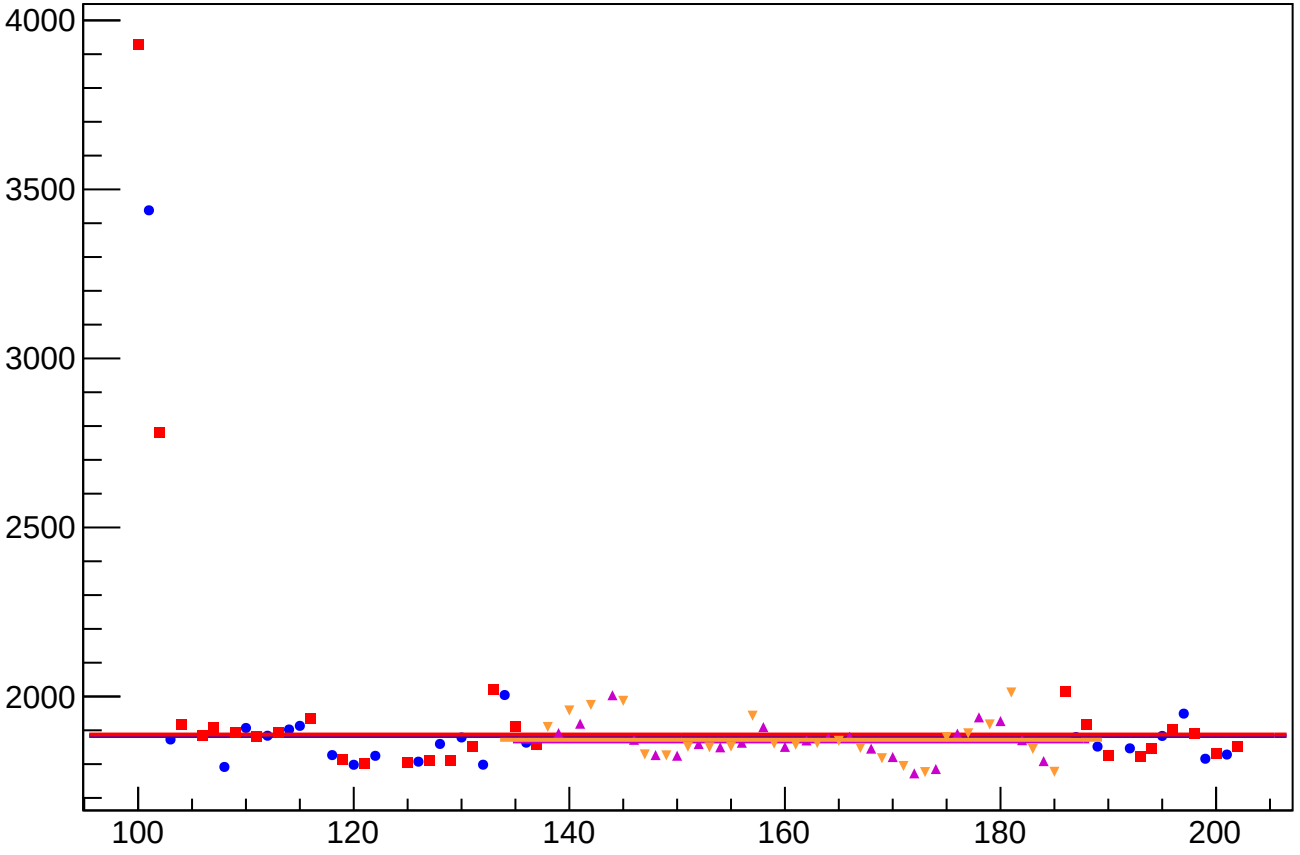
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3787.266+/-338.570 χ^2/NDF: 38.0/46

All: -404.788+/-236.595 χ^2/NDF: 392.7/96

- sign -4405.653+/-330.760 χ^2/NDF: 55.1/49

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1883.471+/-0.382 χ^2/NDF: 286477.5/22

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

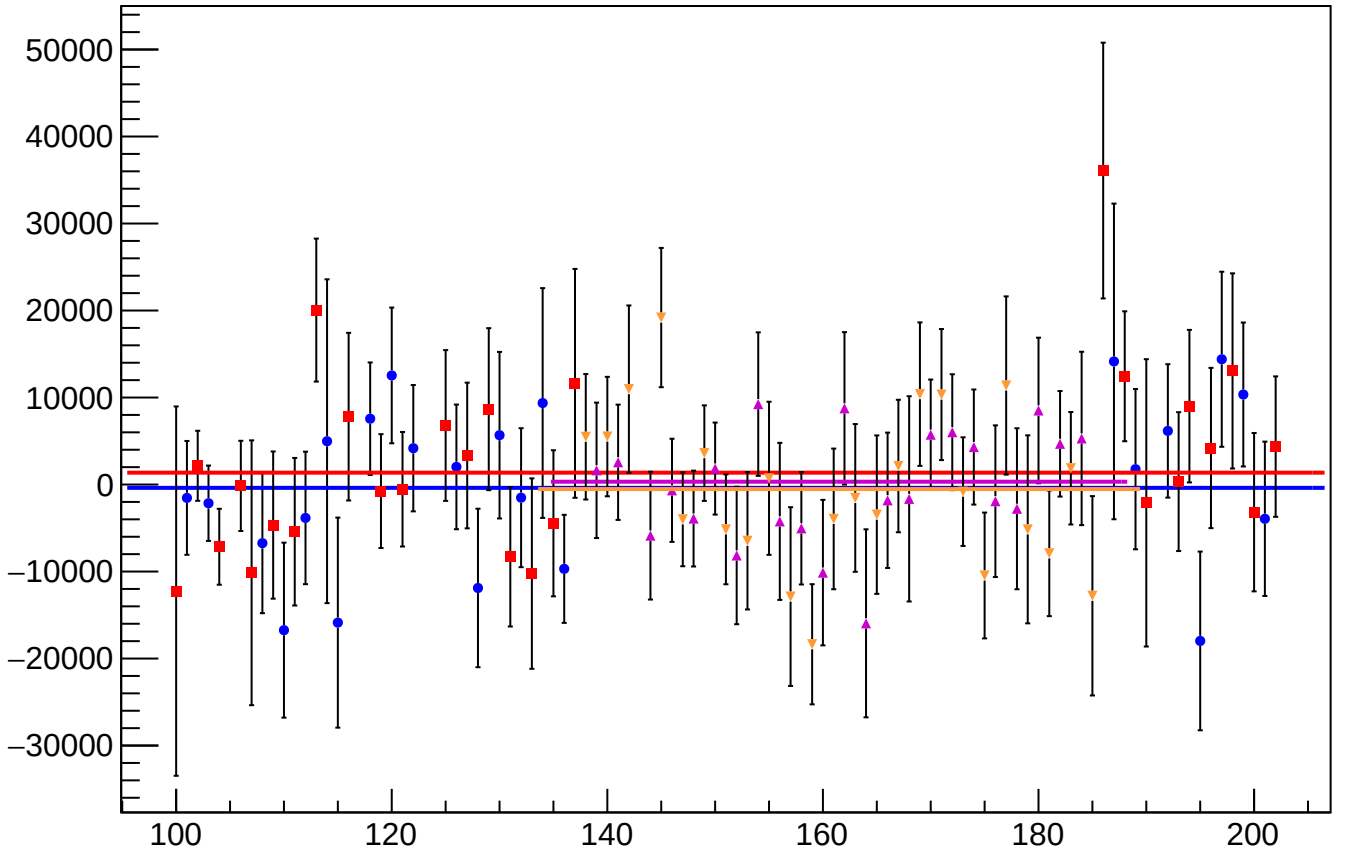
Right Out: 1887.463+/-0.359 χ^2/NDF: 160912.8/26

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1876.505+/-0.239 χ^2/NDF: 324183.2/46

All: 1876.118+/-0.167 χ^2/NDF: 514206.2/96

- sign 1875.749+/-0.234 χ^2/NDF: 190017.9/49



Right In: -380.306+/-1674.328 χ^2/NDF: 23.3/22

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

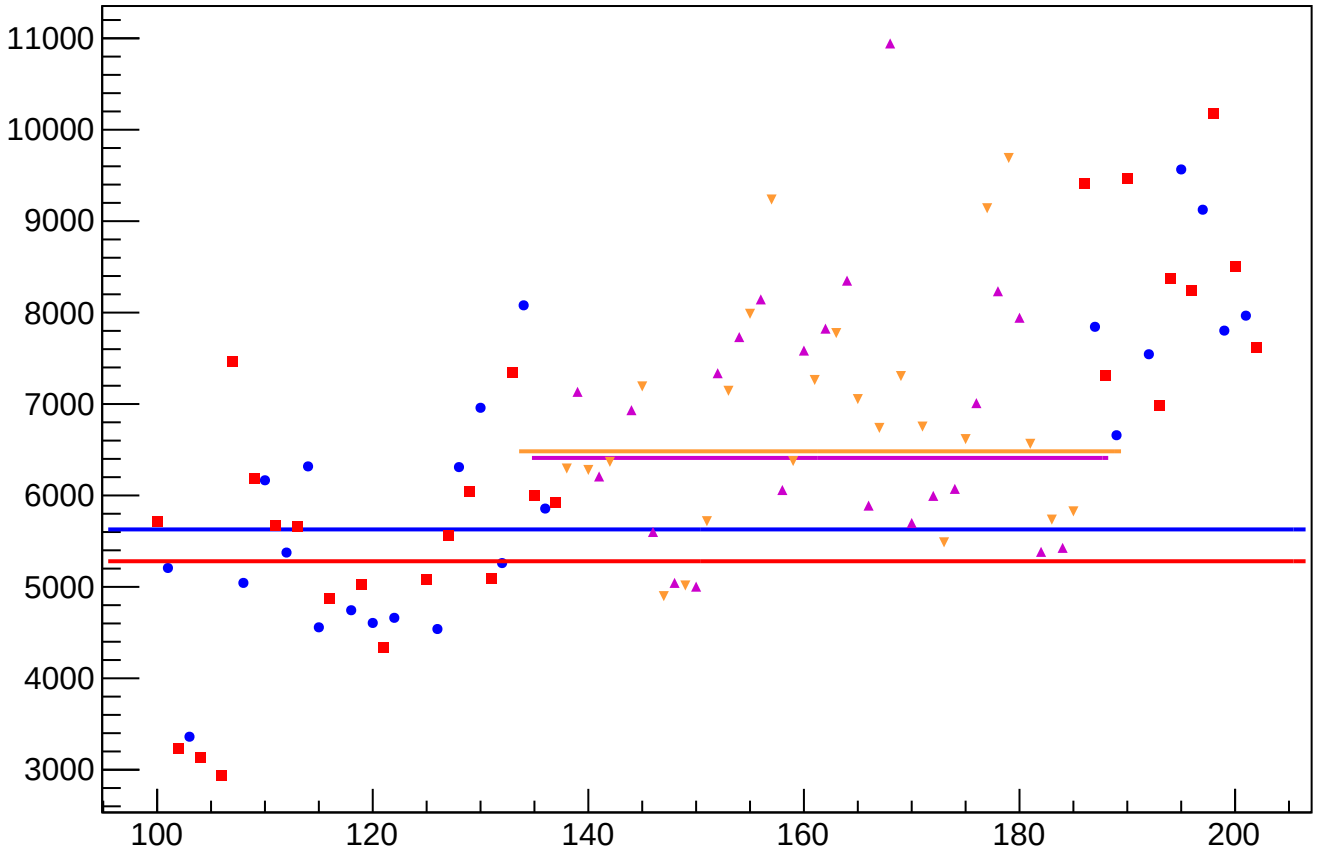
Right Out: 1365.035+/-1502.392 χ^2/NDF: 26.8/26

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -456.271+/-1132.180 χ^2/NDF: 52.5/46

All: 234.844+/-778.152 χ^2/NDF: 93.6/96

- sign 853.621+/-1071.290 χ^2/NDF: 40.4/49



Right In: 5628.496+/-1.184 χ^2/NDF: 1865579.4/22

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5280.451+/-1.062 χ^2/NDF: 3422780.0/26

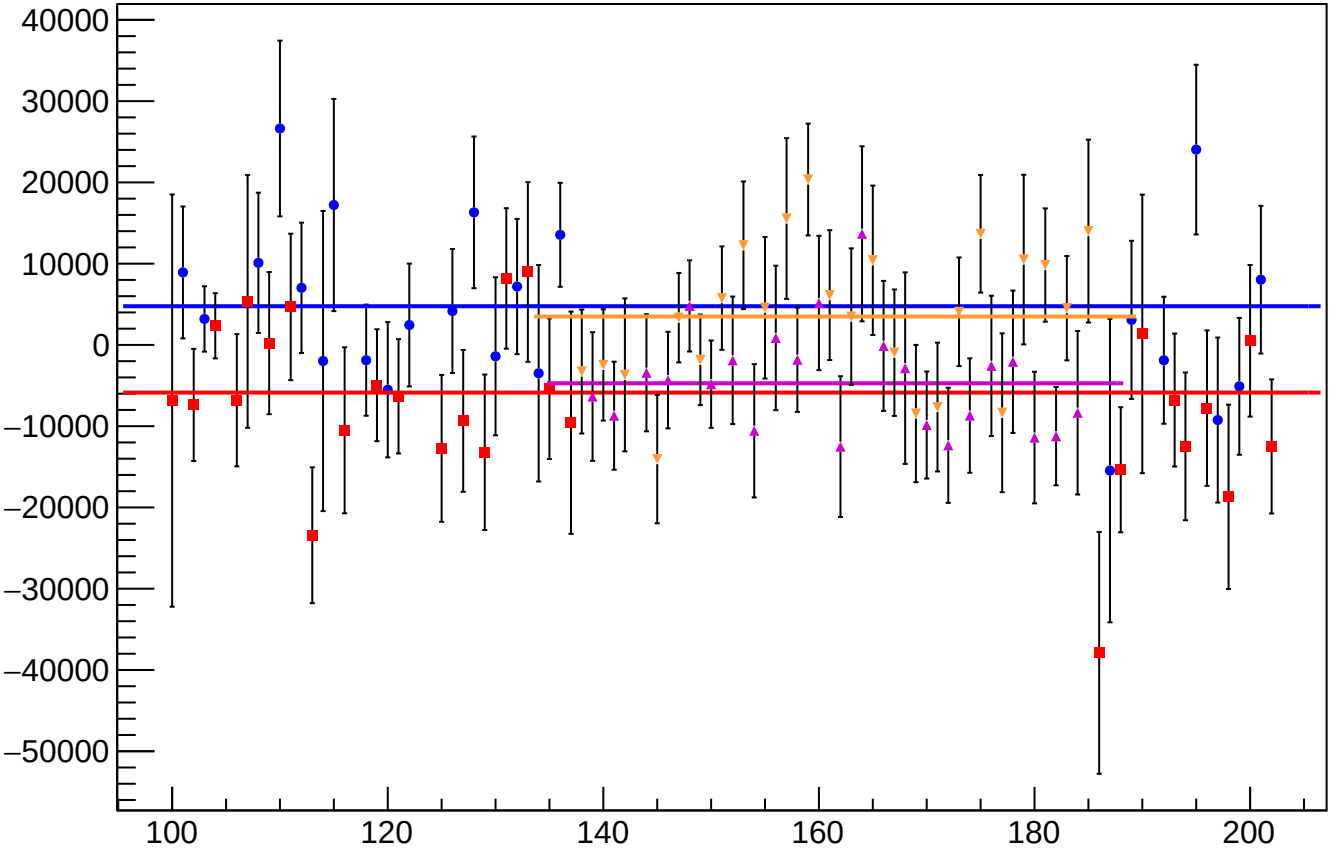
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6092.141+/-0.801 χ^2/NDF: 3222730.6/46

All: 5956.941+/-0.550 χ^2/NDF: 8475523.9/96

- sign 5835.893+/-0.758 χ^2/NDF: 5198738.2/49

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4763.251+/-1726.661 χ^2/NDF: 21.6/22

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5863.261+/-1648.858 χ^2/NDF: 26.4/26

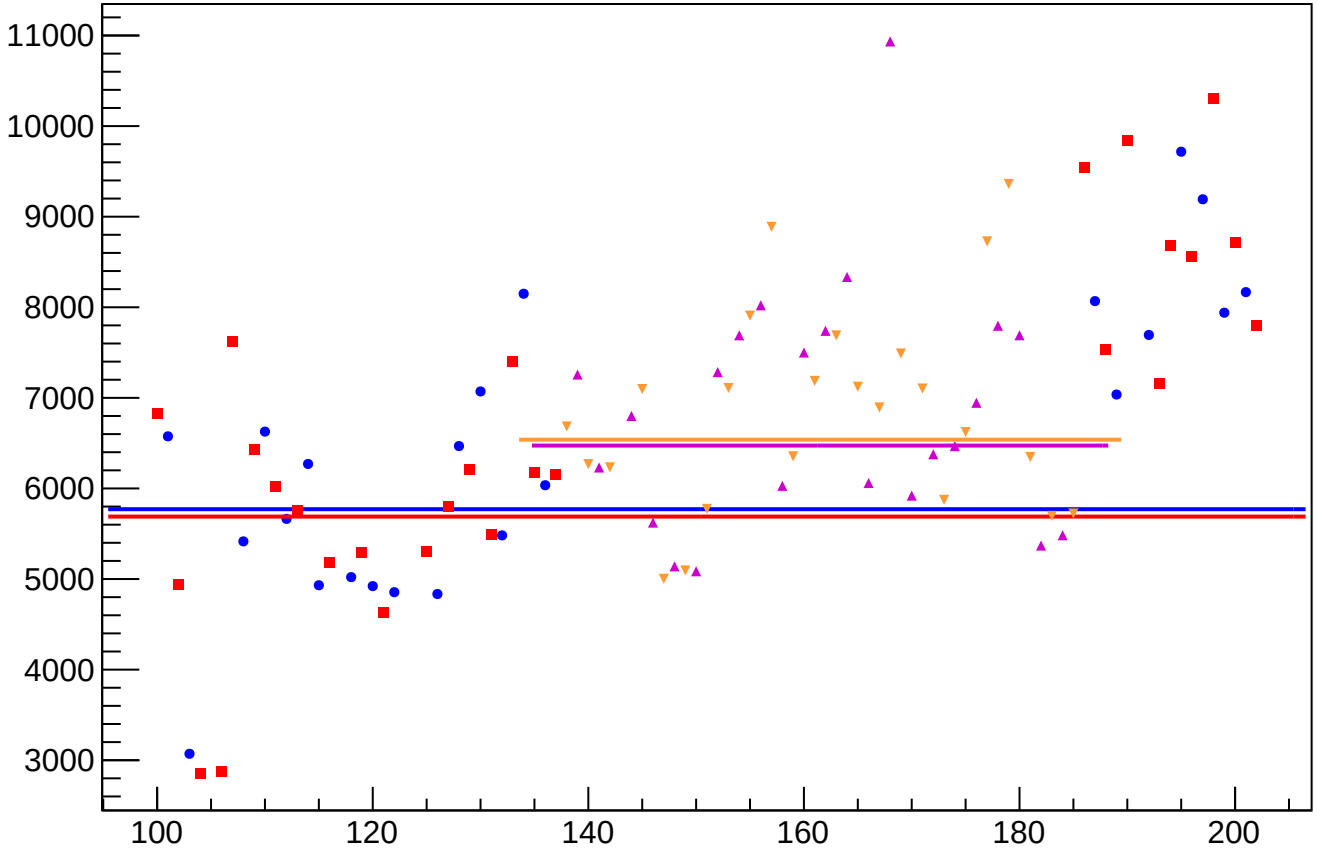
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

\+ sign 4060.462+/-1151.714 χ^2/NDF: 49.4/46

All: -704.489+/-804.825 χ^2/NDF: 123.8/96

\- sign -5252.095+/-1125.141 χ^2/NDF: 41.0/49

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5770.880+/-1.221 χ^2/NDF: 2139211.3/22

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

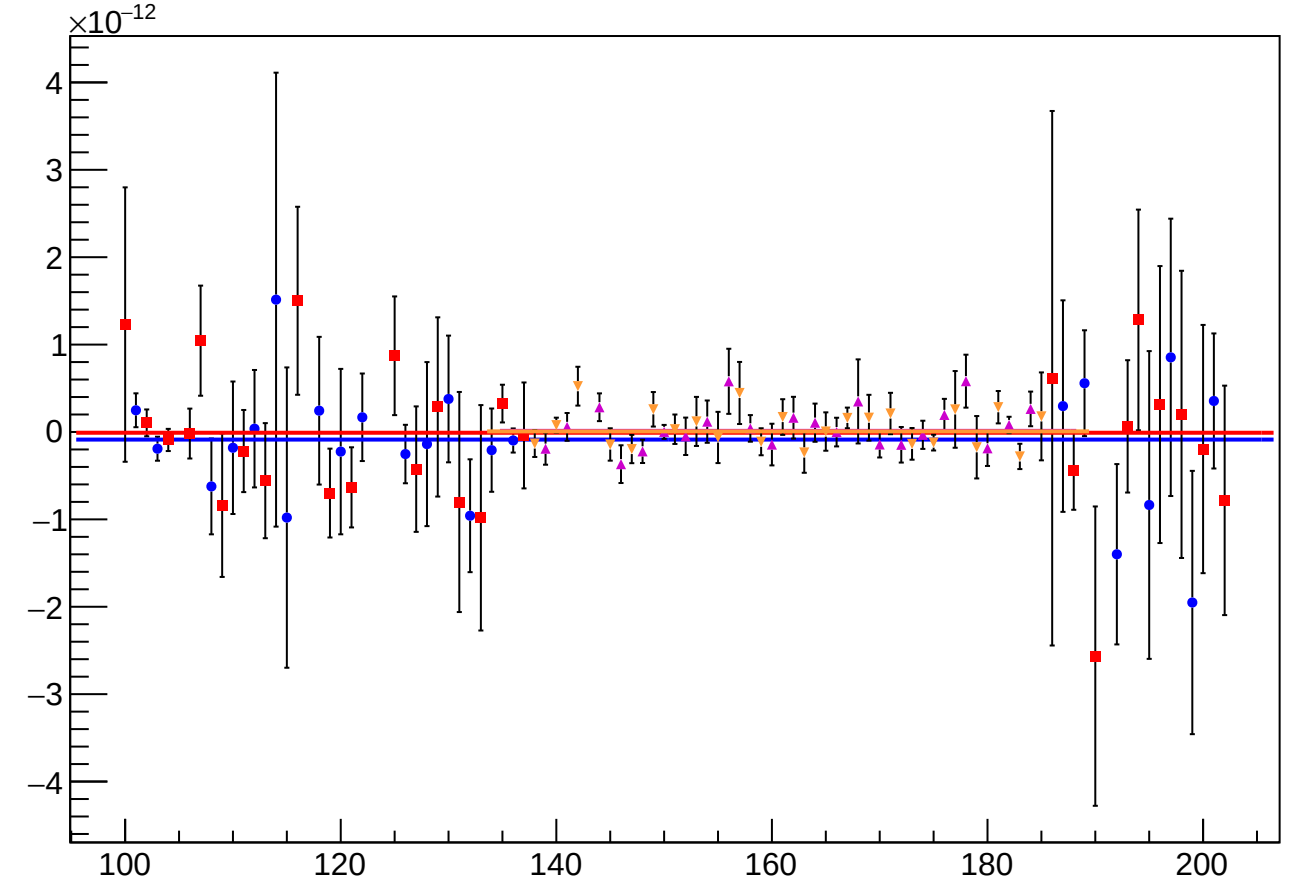
Right Out: 5689.662+/-1.148 χ^2/NDF: 3116743.0/26

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6197.085+/-0.814 χ^2/NDF: 3279361.2/46

All: 6148.416+/-0.567 χ^2/NDF: 7720196.7/96

- sign 6102.620+/-0.790 χ^2/NDF: 4433903.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 13.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

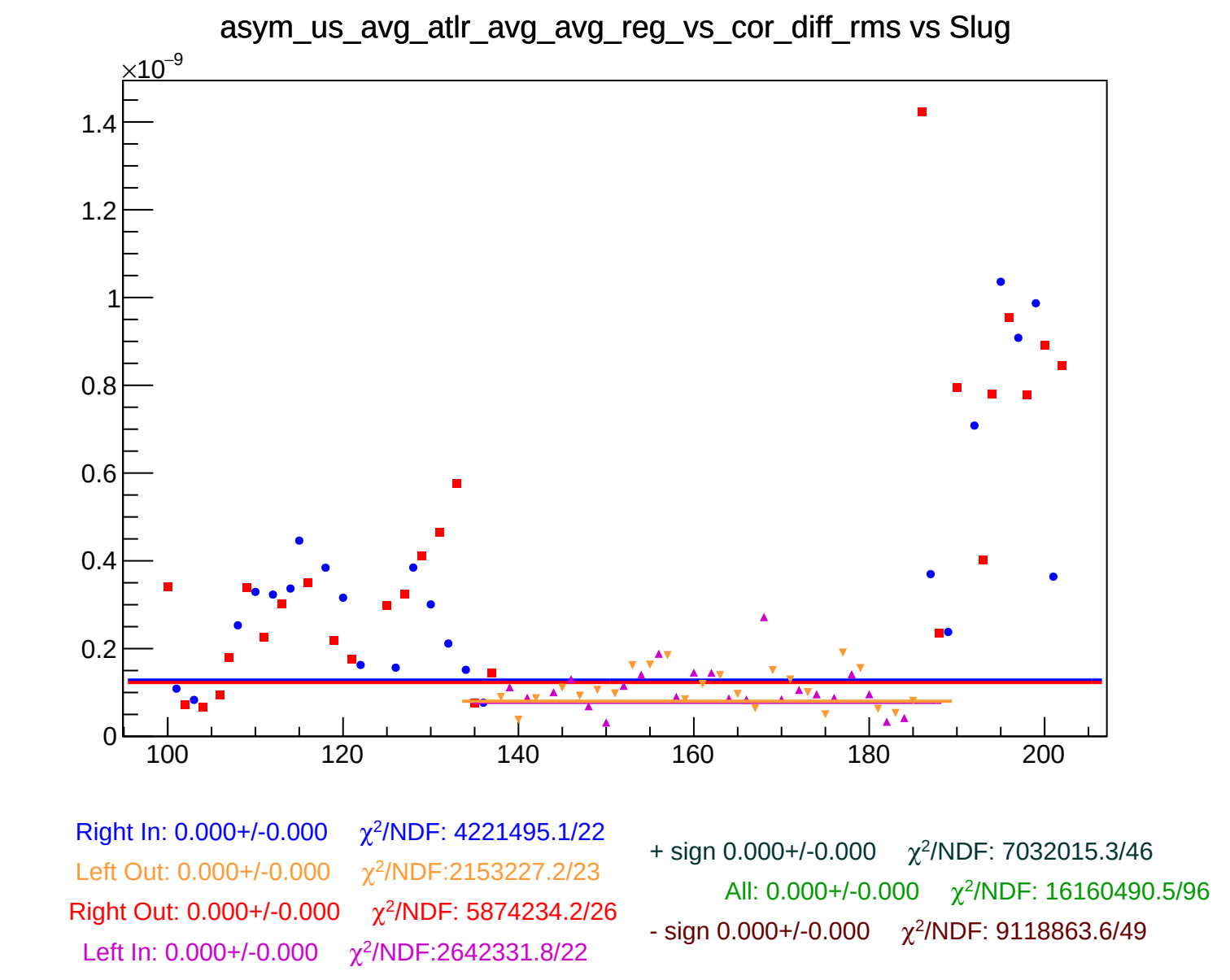
Right Out: -0.000+/-0.000 χ^2/NDF: 22.1/26

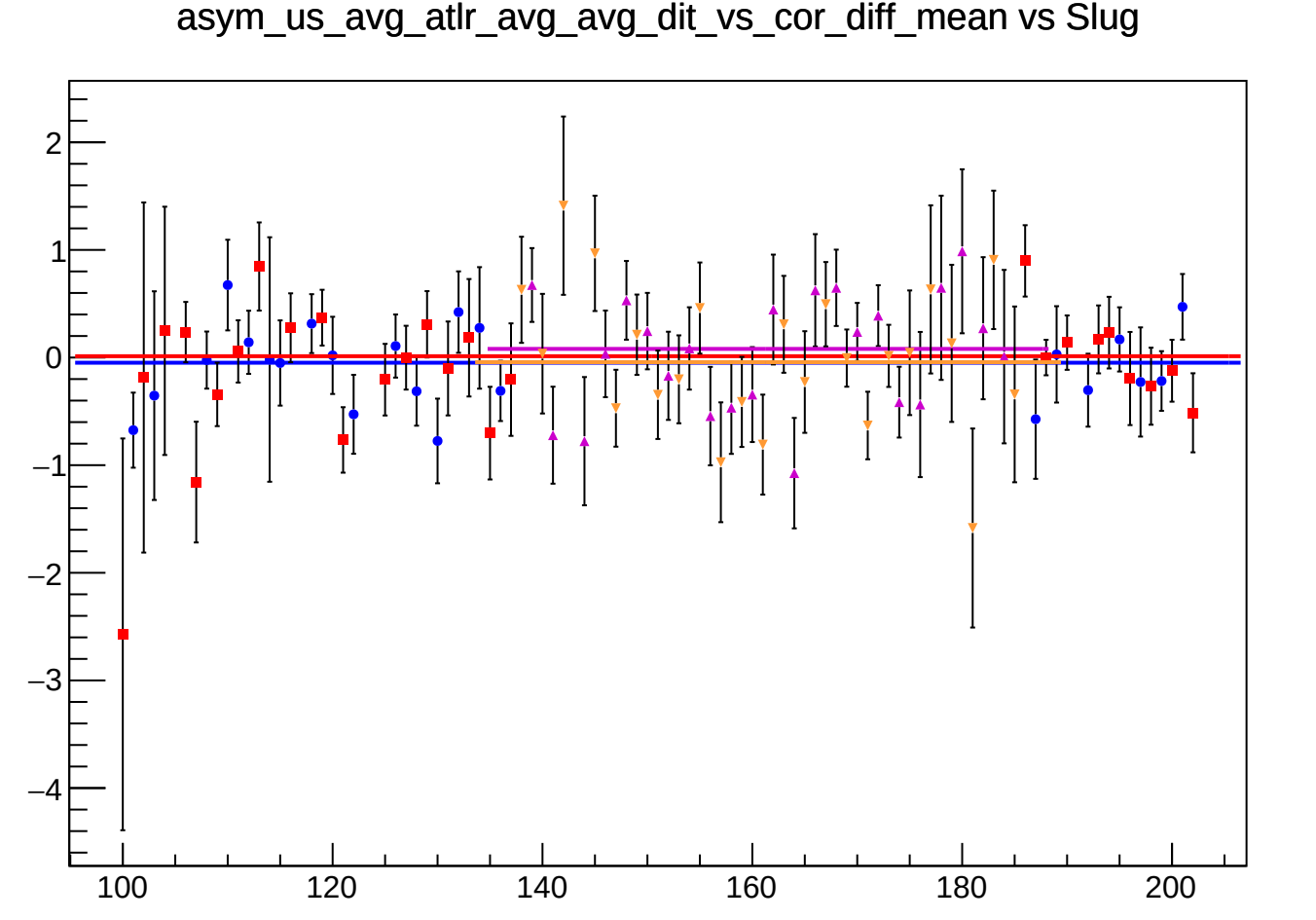
Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/46

All: -0.000+/-0.000 χ^2/NDF: 88.1/96

- sign 0.000+/-0.000 χ^2/NDF: 46.1/49


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4221495.1/22
Left Out: 0.000+/-0.000 χ²/NDF:2153227.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 5874234.2/26
Left In: 0.000+/-0.000 χ²/NDF:2642331.8/22
+ sign 0.000+/-0.000 χ²/NDF: 7032015.3/46
All: 0.000+/-0.000 χ²/NDF: 16160490.5/96
- sign 0.000+/-0.000 χ²/NDF: 9118863.6/49



Right In: -0.048+/-0.074 χ^2/NDF: 22.8/22

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

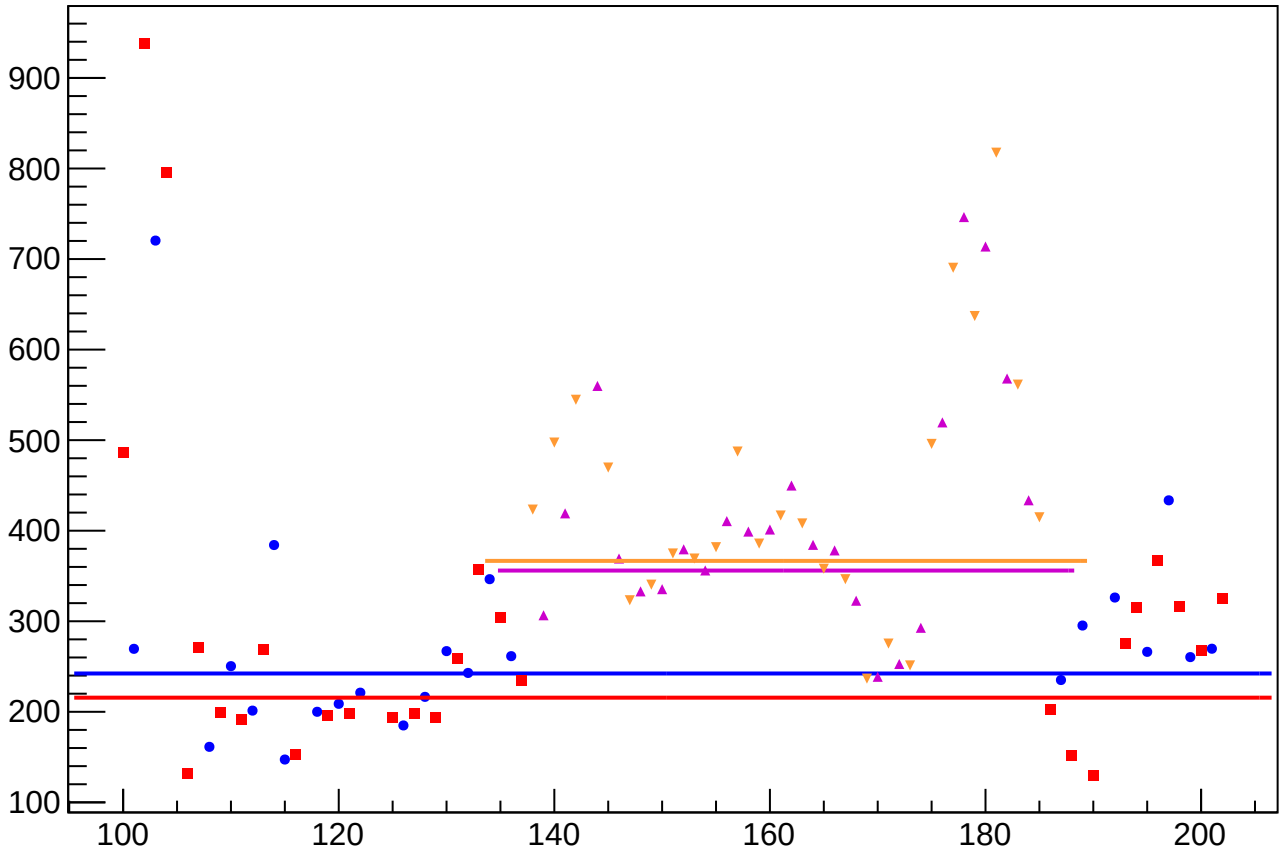
Right Out: 0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

\+ sign -0.046+/-0.057 χ^2/NDF: 53.7/46

All: -0.001+/-0.038 χ^2/NDF: 123.0/96

\- sign 0.036+/-0.052 χ^2/NDF: 68.2/49



Right In: 242.319+/-0.052 χ^2/NDF: 1590547.0/22

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

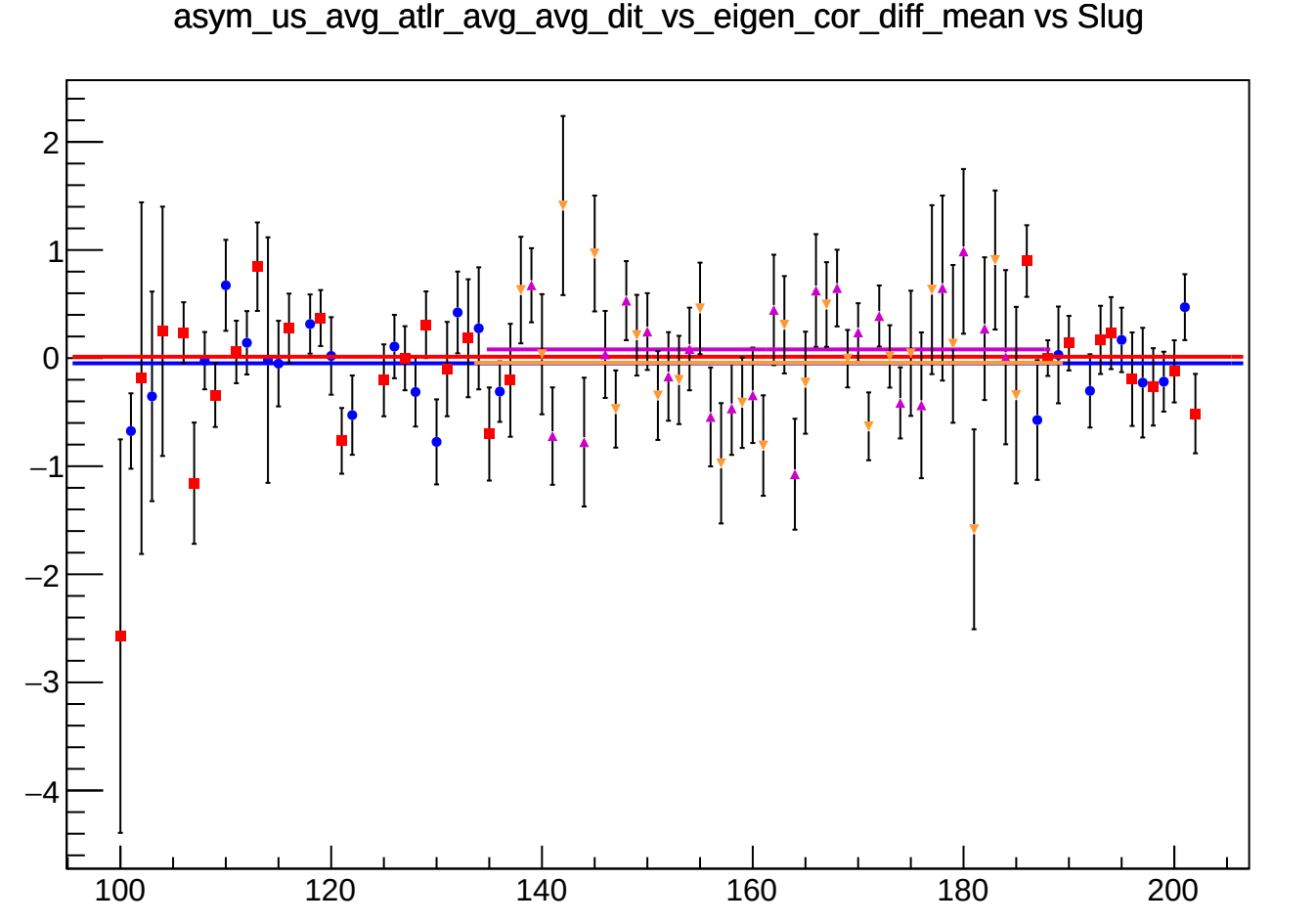
Right Out: 215.615+/-0.045 χ^2/NDF: 2987300.3/26

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.098+/-0.040 χ^2/NDF: 6698269.7/46

All: 276.827+/-0.027 χ^2/NDF: 15704730.1/96

- sign 264.357+/-0.037 χ^2/NDF: 8747790.5/49



Right In: -0.048+/-0.074 χ^2/NDF: 22.8/22

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

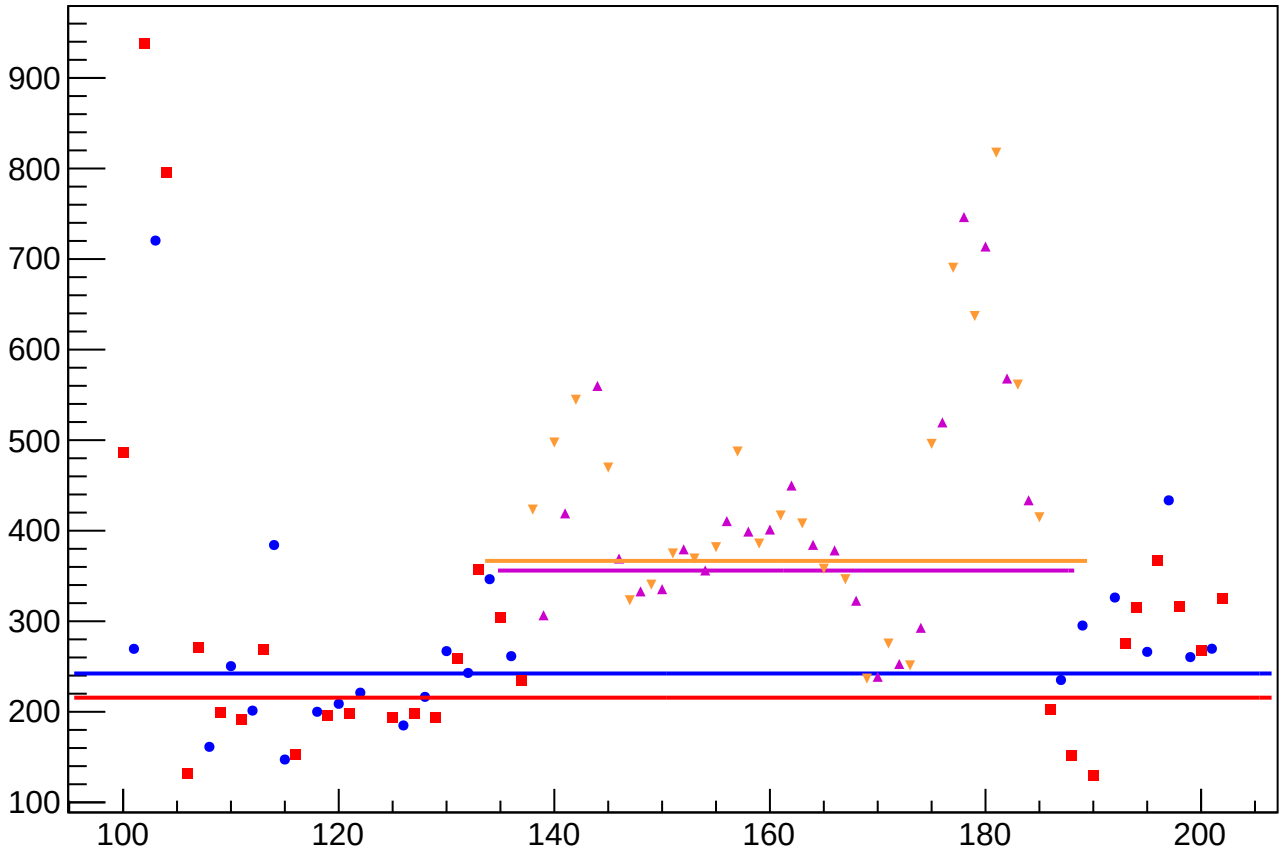
Right Out: 0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.046+/-0.057 χ^2/NDF: 53.7/46

All: -0.001+/-0.038 χ^2/NDF: 123.0/96

- sign 0.036+/-0.052 χ^2/NDF: 68.2/49



Right In: 242.319+/-0.052 χ^2/NDF: 1590547.0/22

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

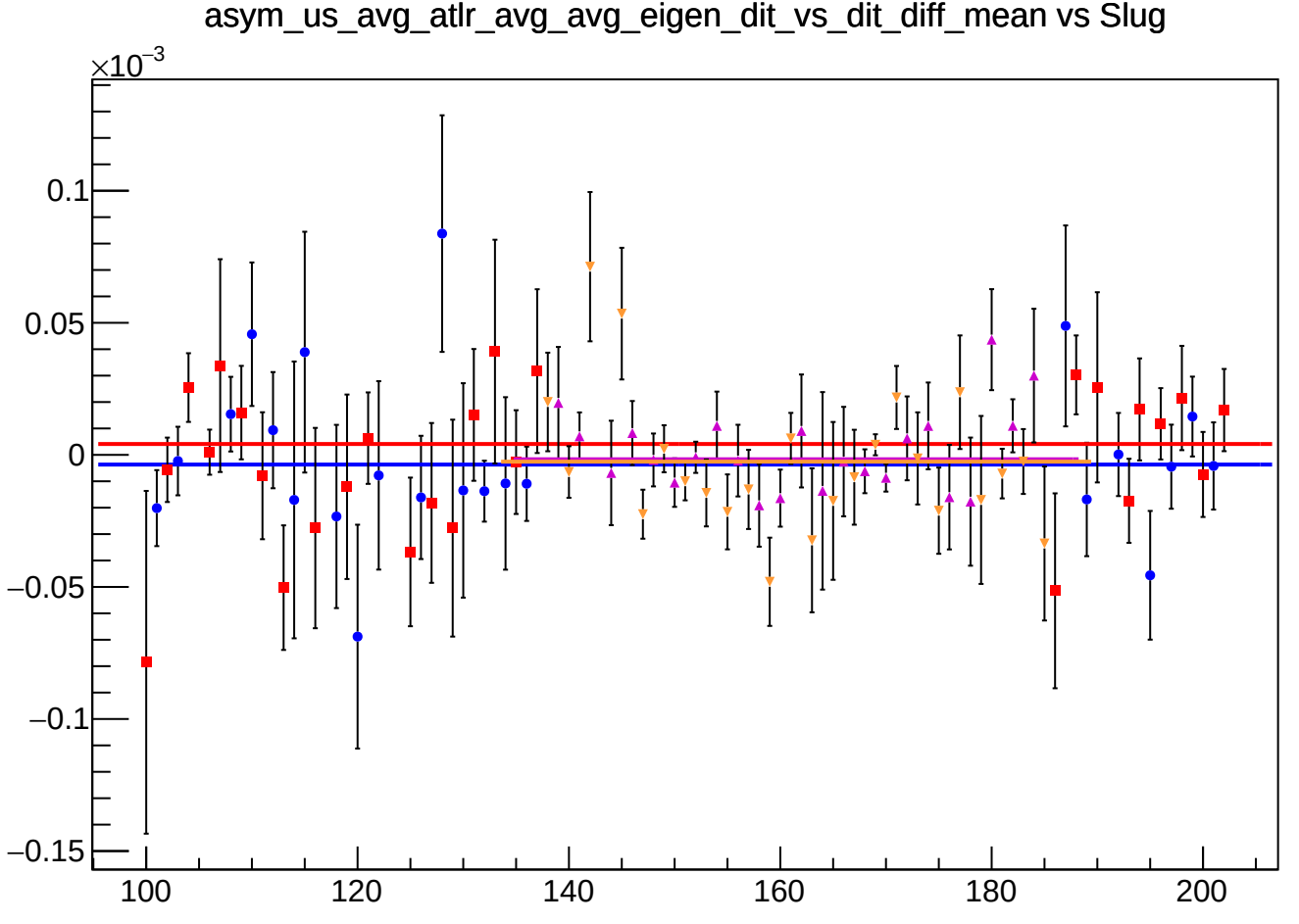
Right Out: 215.615+/-0.045 χ^2/NDF: 2987300.3/26

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.098+/-0.040 χ^2/NDF: 6698269.7/46

All: 276.827+/-0.027 χ^2/NDF: 15704730.1/96

- sign 264.357+/-0.037 χ^2/NDF: 8747790.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

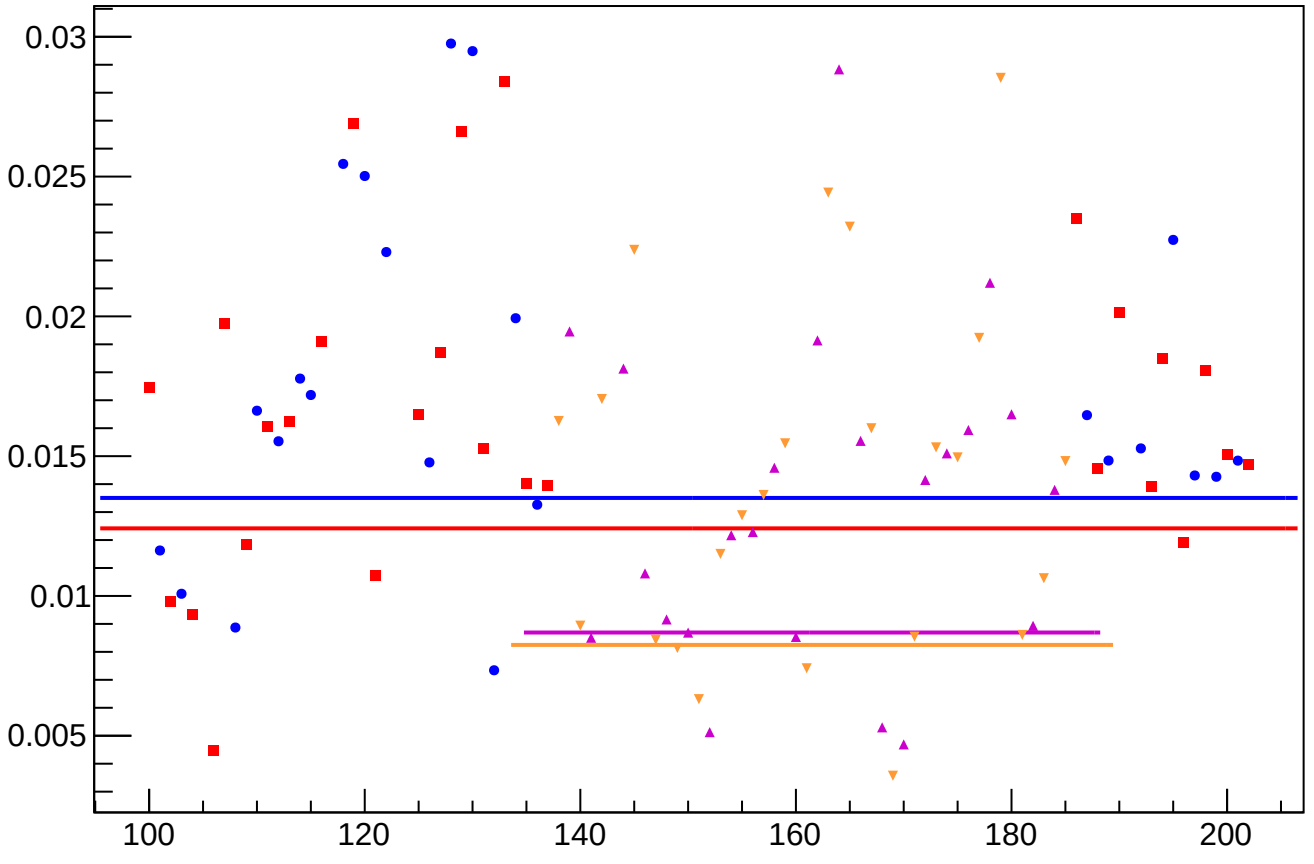
Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/26

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.0/46

All: -0.000+/-0.000 χ^2/NDF: 117.4/96

- sign 0.000+/-0.000 χ^2/NDF: 50.4/49



Right In: 0.014+/-0.000 χ^2/NDF: 2549196.7/22

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

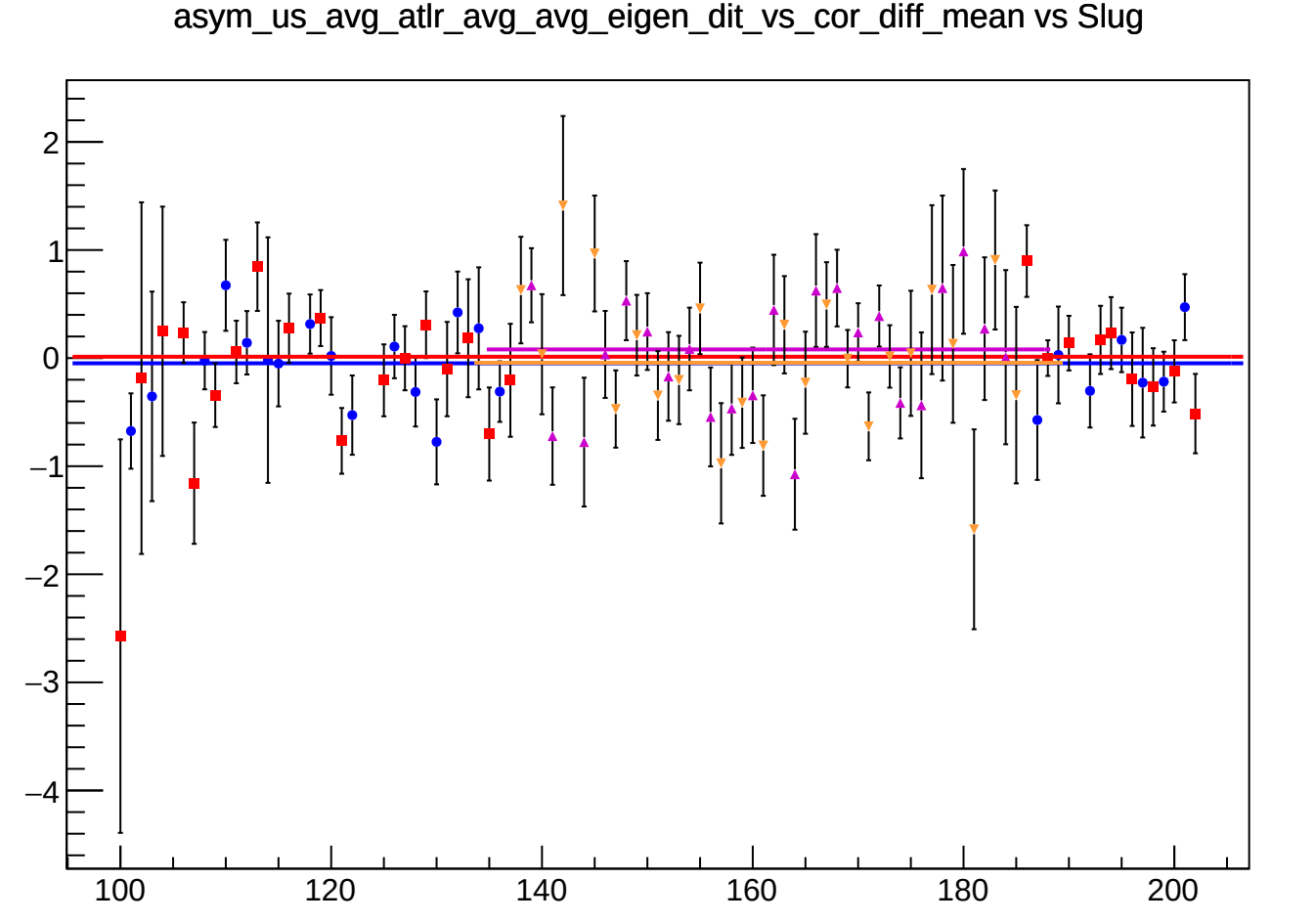
Right Out: 0.012+/-0.000 χ^2/NDF: 4031069.9/26

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 13939051.0/46

All: 0.010+/-0.000 χ^2/NDF: 26359411.3/96

- sign 0.010+/-0.000 χ^2/NDF: 12393999.9/49



Right In: -0.048+/-0.074 χ^2/NDF: 22.8/22

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

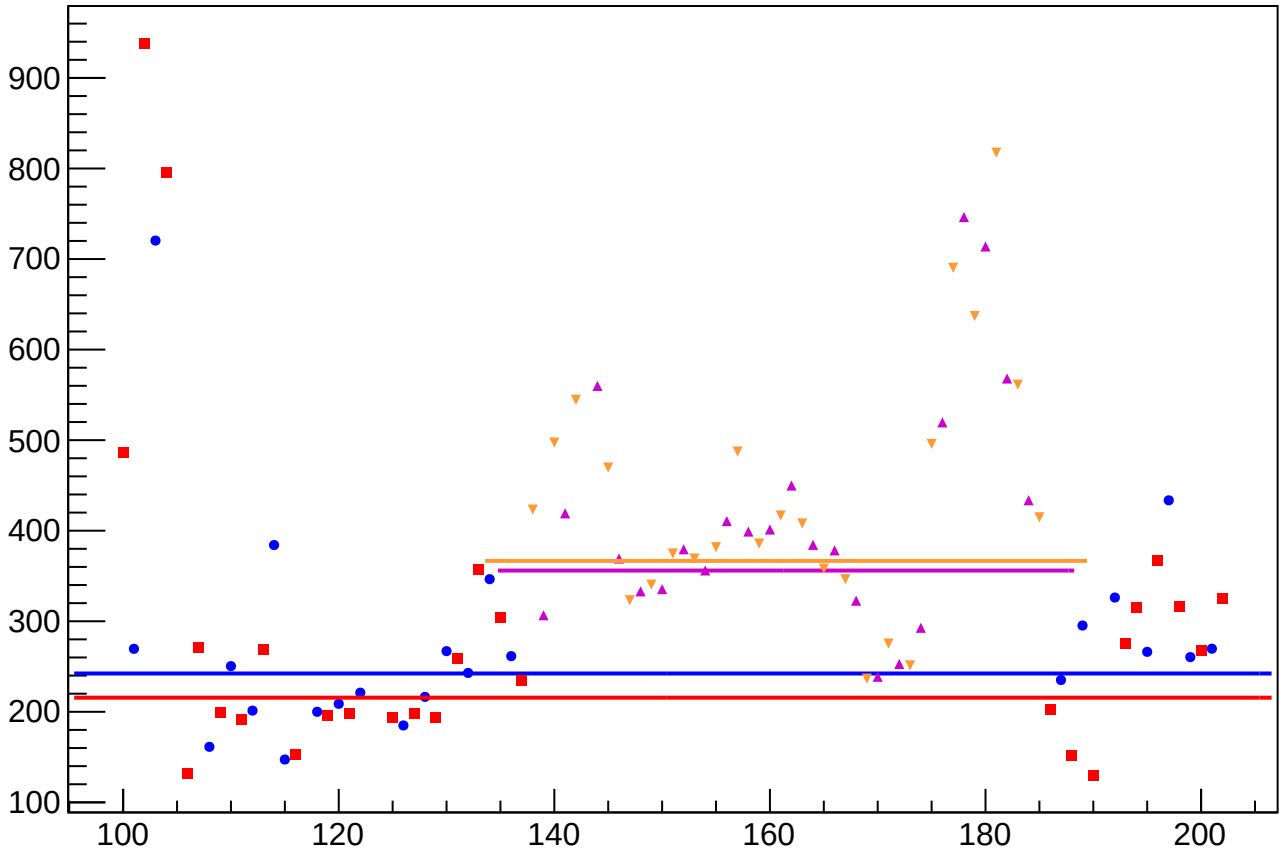
Right Out: 0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.046+/-0.057 χ^2/NDF: 53.7/46

All: -0.001+/-0.038 χ^2/NDF: 123.0/96

- sign 0.036+/-0.052 χ^2/NDF: 68.2/49



Right In: 242.317+/-0.052 χ^2/NDF: 1590542.2/22

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

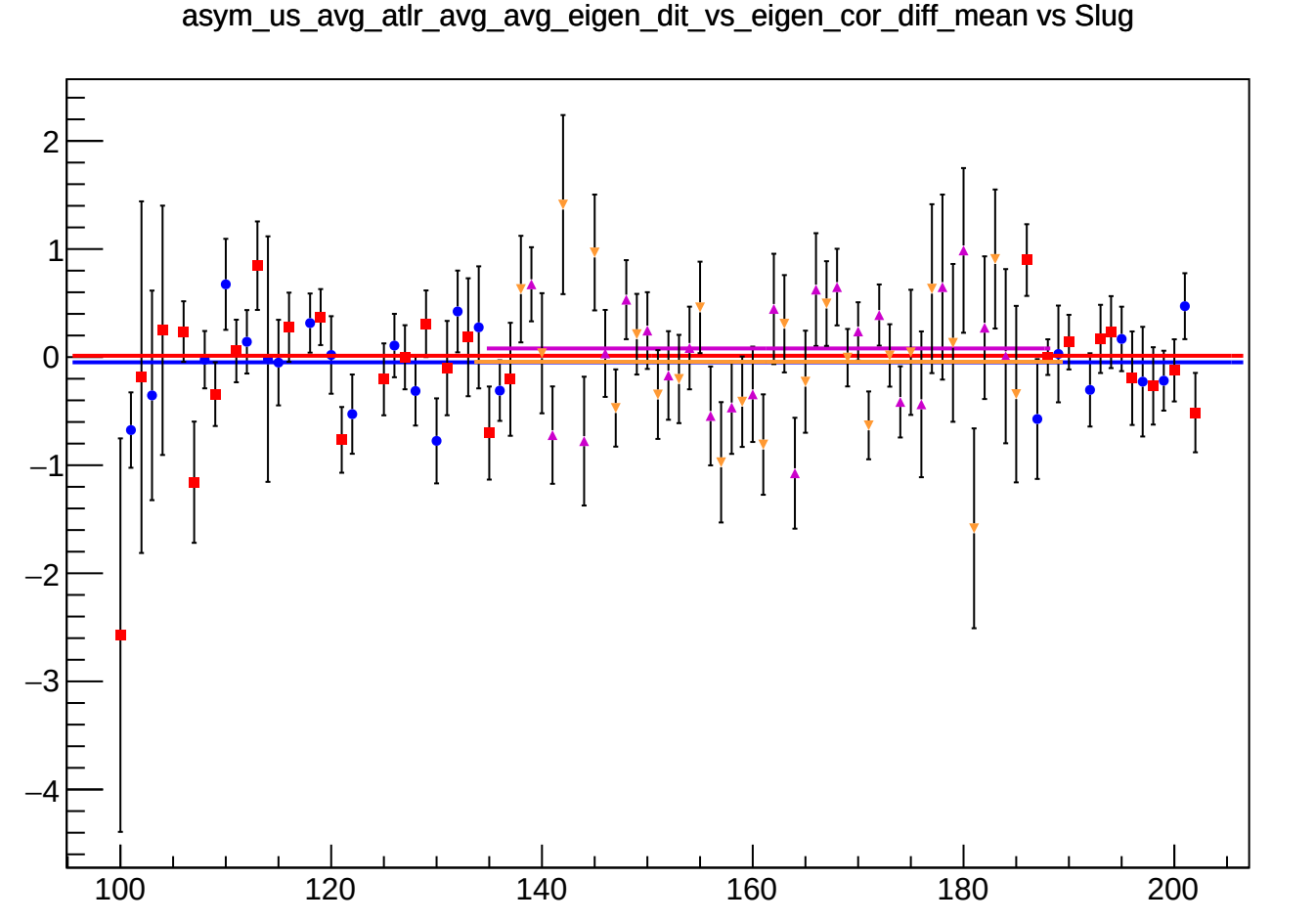
Right Out: 215.612+/-0.045 χ^2/NDF: 2987352.3/26

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.096+/-0.040 χ^2/NDF: 6698546.5/46

All: 276.825+/-0.027 χ^2/NDF: 15705469.2/96

- sign 264.354+/-0.037 χ^2/NDF: 8748223.9/49



Right In: -0.048+/-0.074 χ^2/NDF: 22.8/22

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

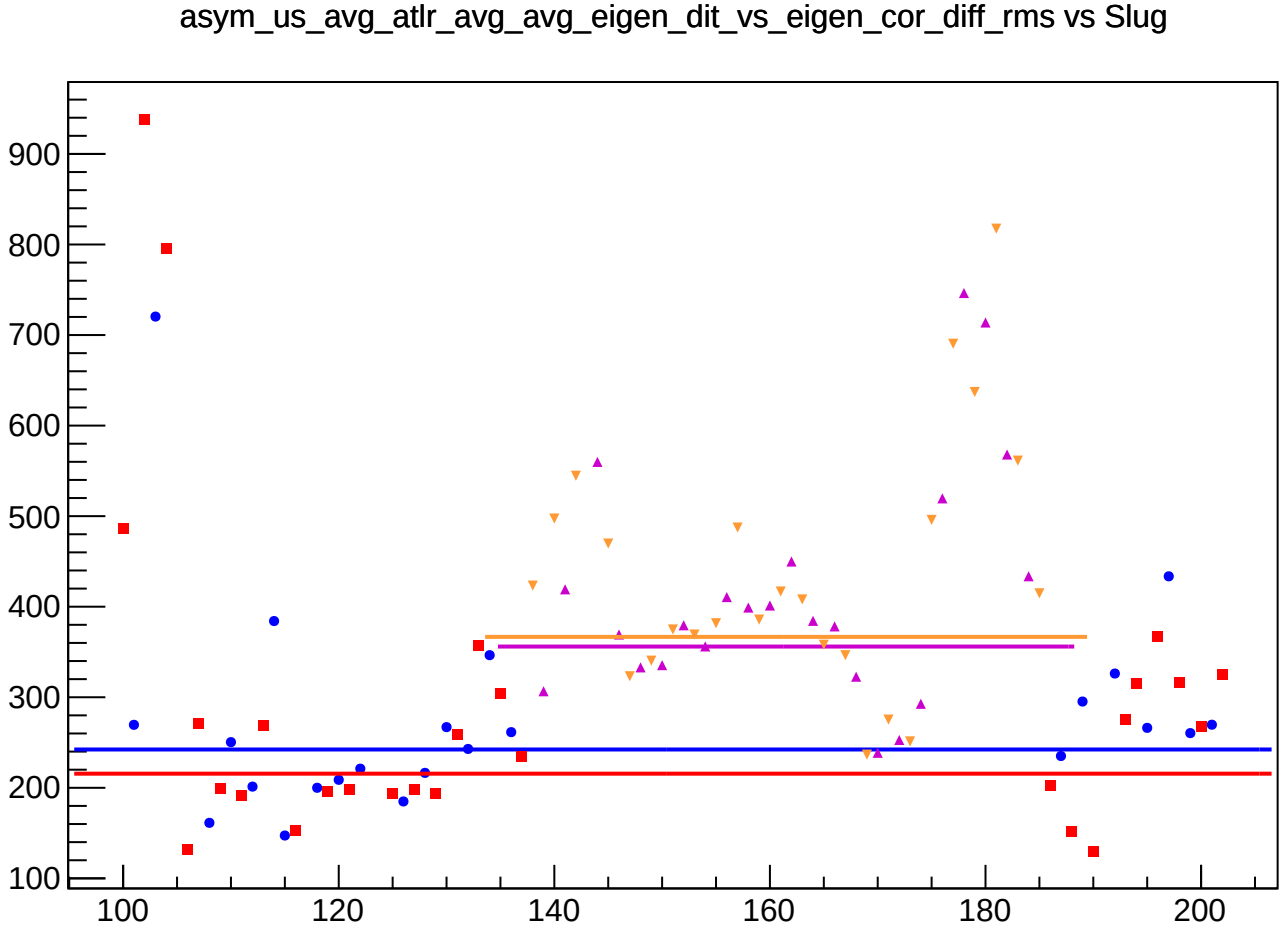
Right Out: 0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.046+/-0.057 χ^2/NDF: 53.7/46

All: -0.001+/-0.038 χ^2/NDF: 123.0/96

- sign 0.036+/-0.052 χ^2/NDF: 68.2/49



Right In: 242.317+/-0.052 χ^2/NDF: 1590542.2/22

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

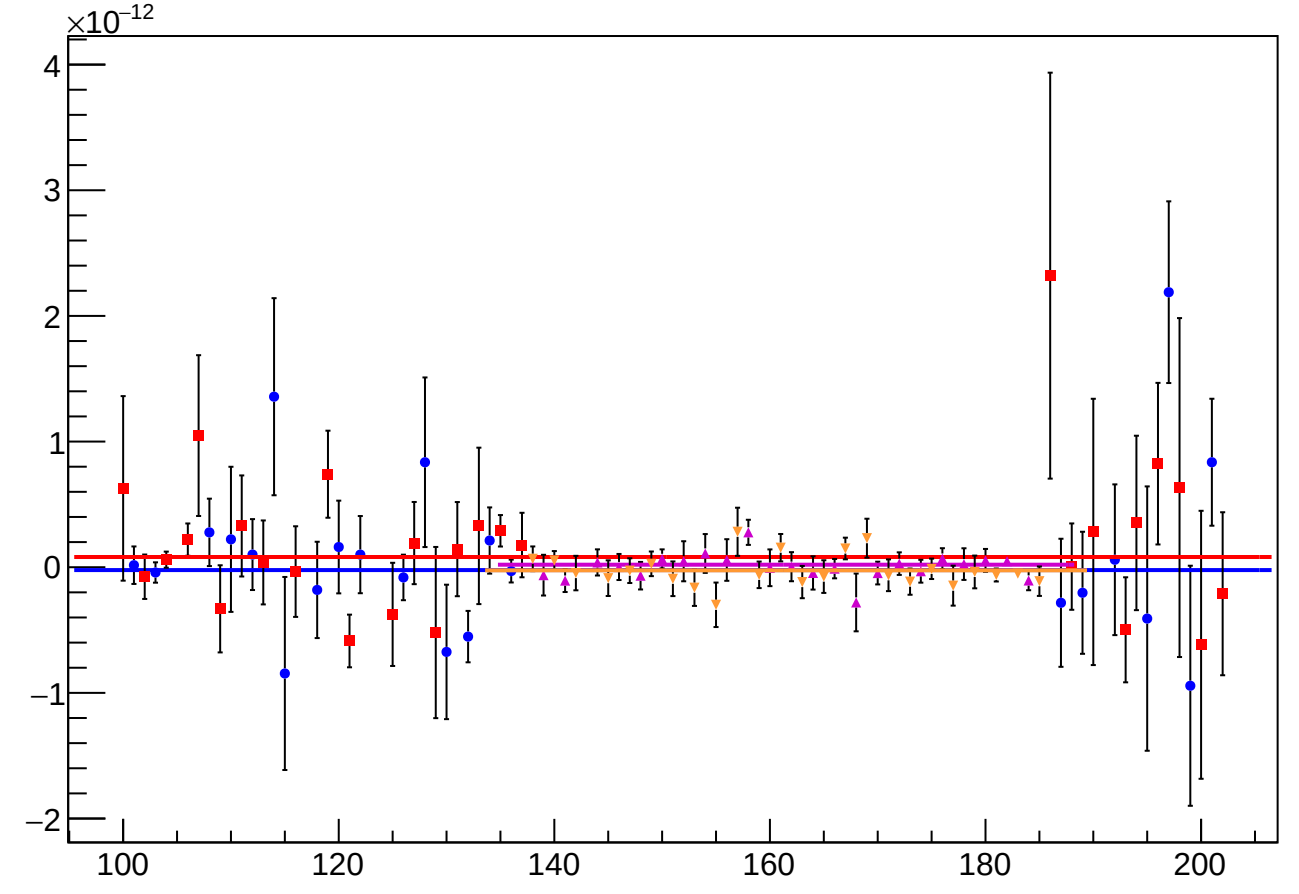
Right Out: 215.612+/-0.045 χ^2/NDF: 2987352.3/26

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.096+/-0.040 χ^2/NDF: 6698546.5/46

All: 276.825+/-0.027 χ^2/NDF: 15705469.2/96

- sign 264.354+/-0.037 χ^2/NDF: 8748223.9/49



Right In: -0.000+/-0.000 χ^2/NDF: 31.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

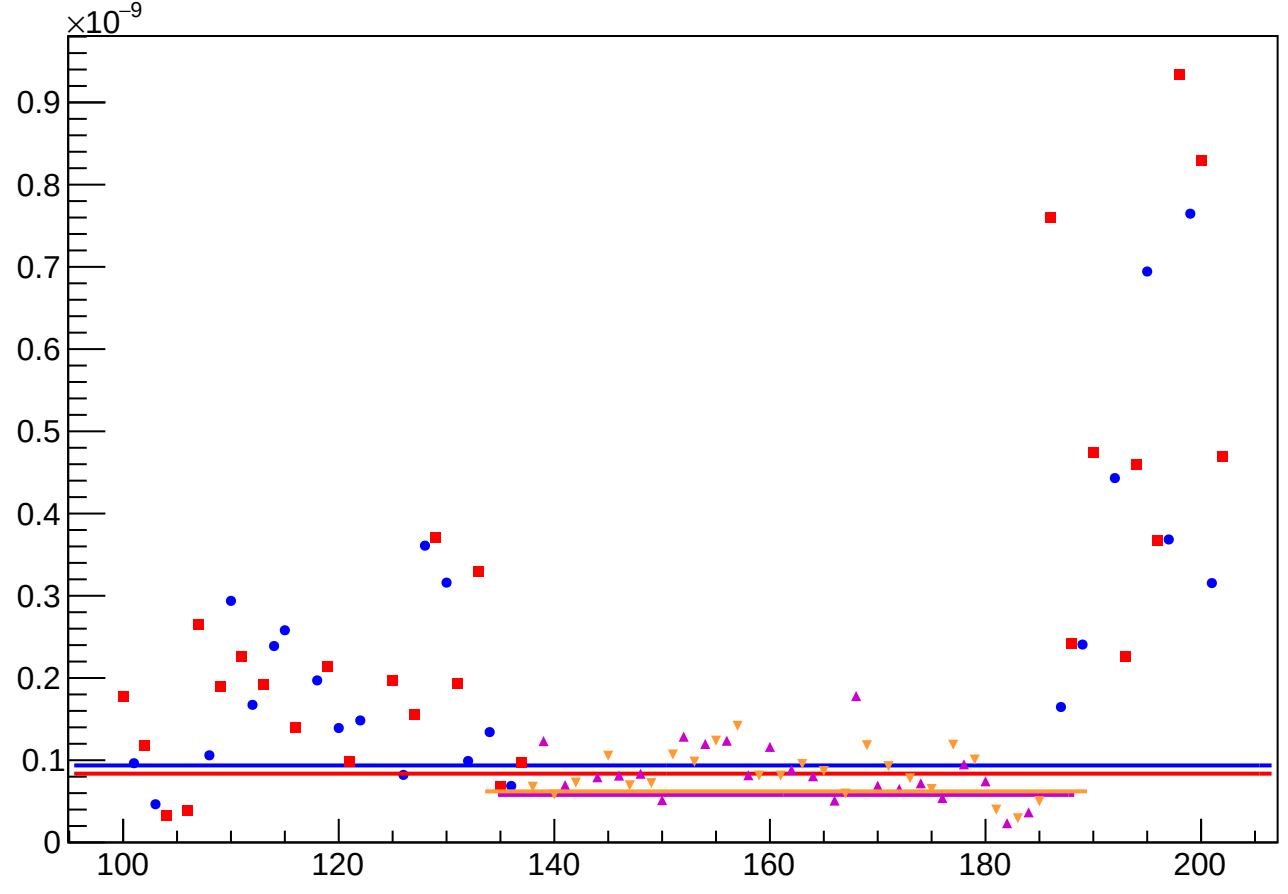
Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/26

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.9/46

All: 0.000+/-0.000 χ^2/NDF: 108.6/96

- sign 0.000+/-0.000 χ^2/NDF: 50.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 5541453.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8627581.7/26

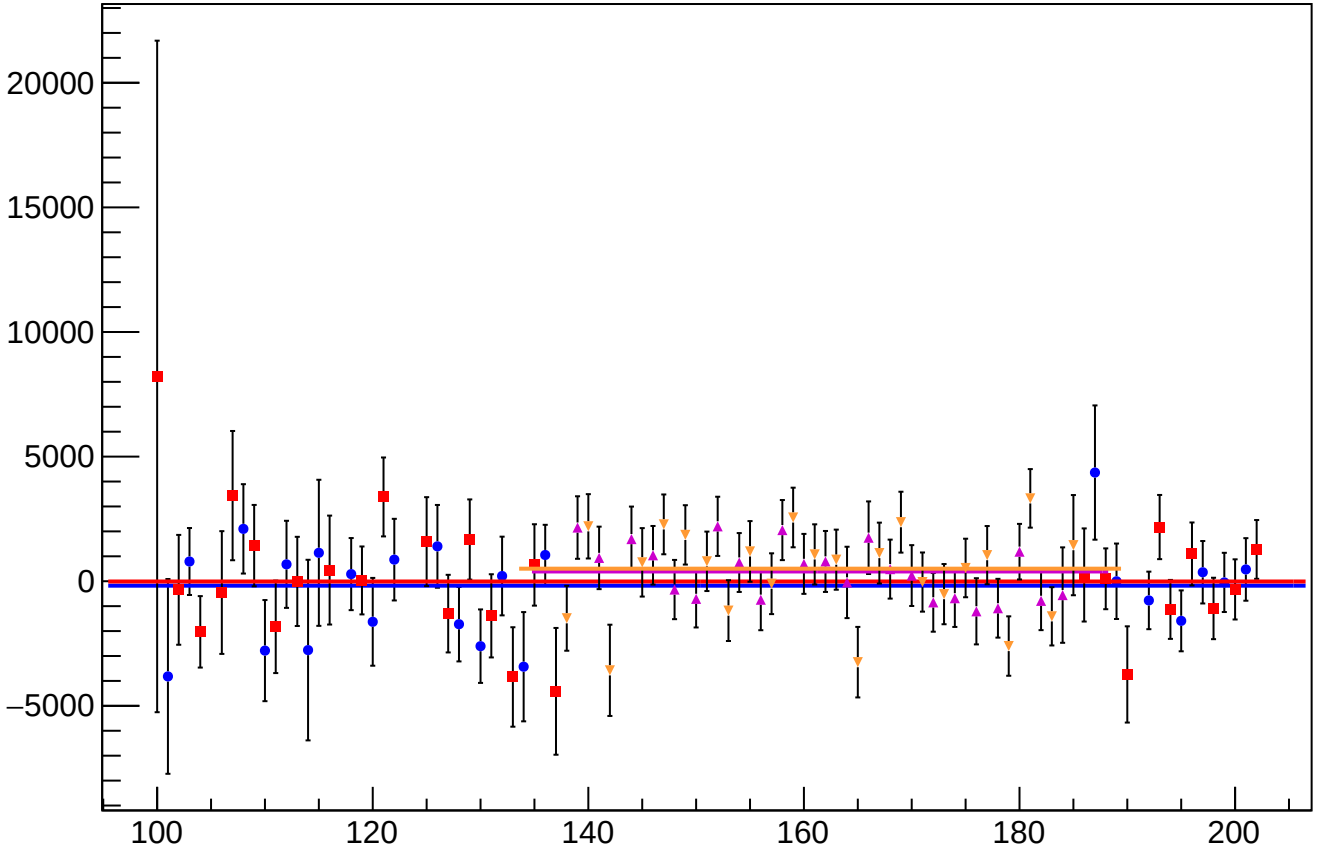
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10437528.7/46

All: 0.000+/-0.000 χ^2/NDF: 25262011.7/96

- sign 0.000+/-0.000 χ^2/NDF: 14742162.6/49

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -178.392+/-326.072 χ^2/NDF: 19.7/22

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -10.559+/-306.789 χ^2/NDF: 31.0/26

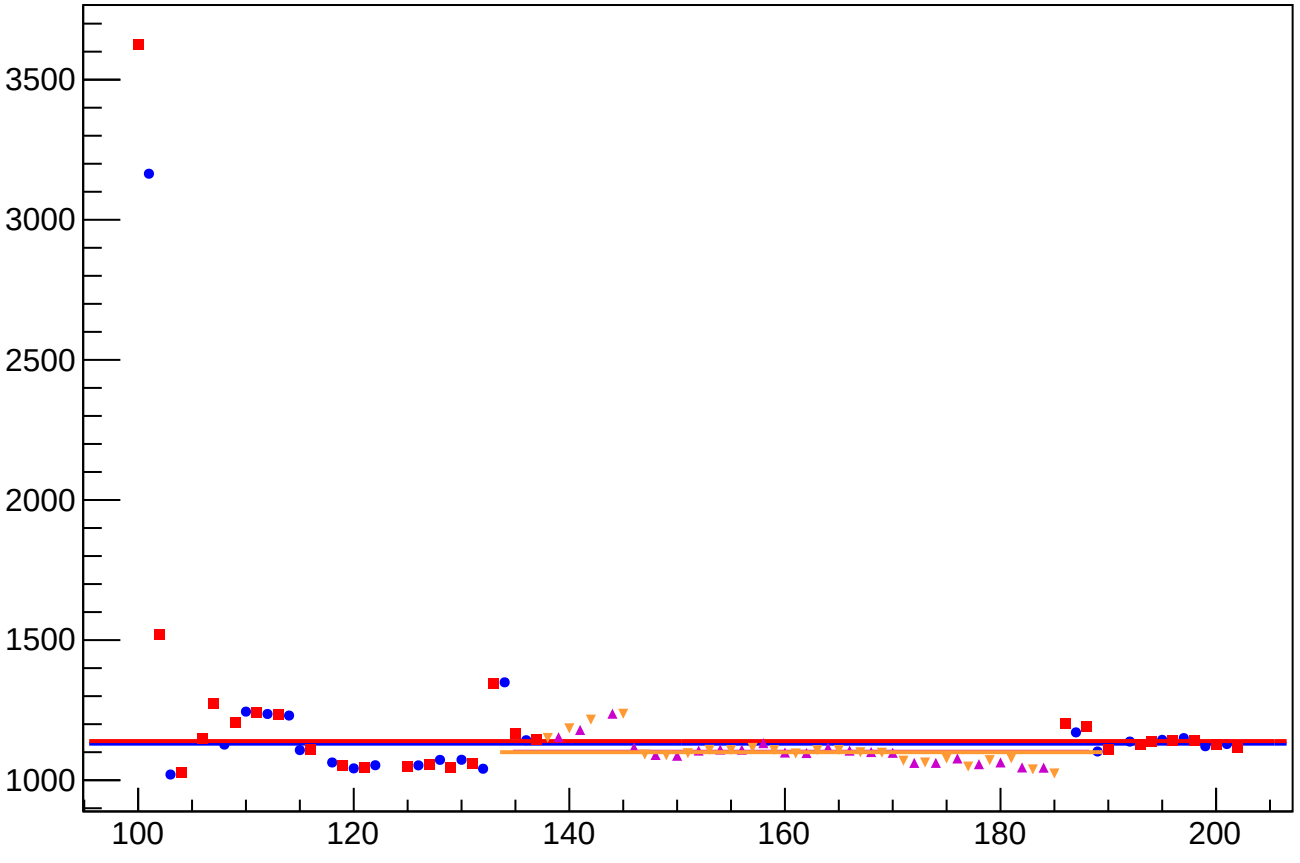
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 244.126+/-201.129 χ^2/NDF: 67.0/46

All: 234.642+/-140.803 χ^2/NDF: 116.8/96

- sign 225.528+/-197.182 χ^2/NDF: 49.8/49

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.455+/-0.231 χ^2/NDF: 623538.2/22

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

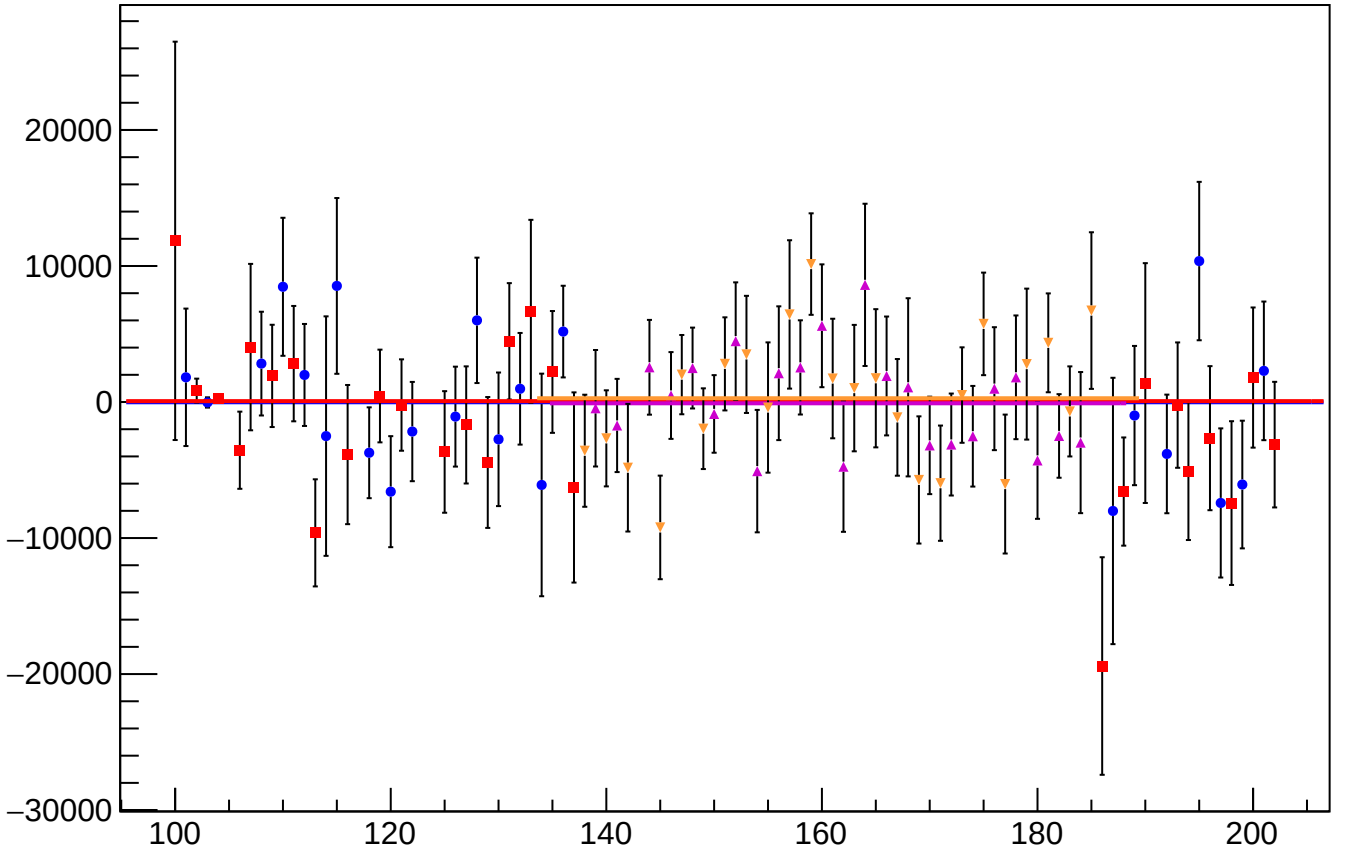
Right Out: 1139.636+/-0.217 χ^2/NDF: 227817.0/26

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.627+/-0.142 χ^2/NDF: 693036.2/46

All: 1114.515+/-0.100 χ^2/NDF: 991936.6/96

- sign 1117.288+/-0.139 χ^2/NDF: 298091.9/49



Right In: -18.755+/-352.113 χ^2/NDF: 23.2/22

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

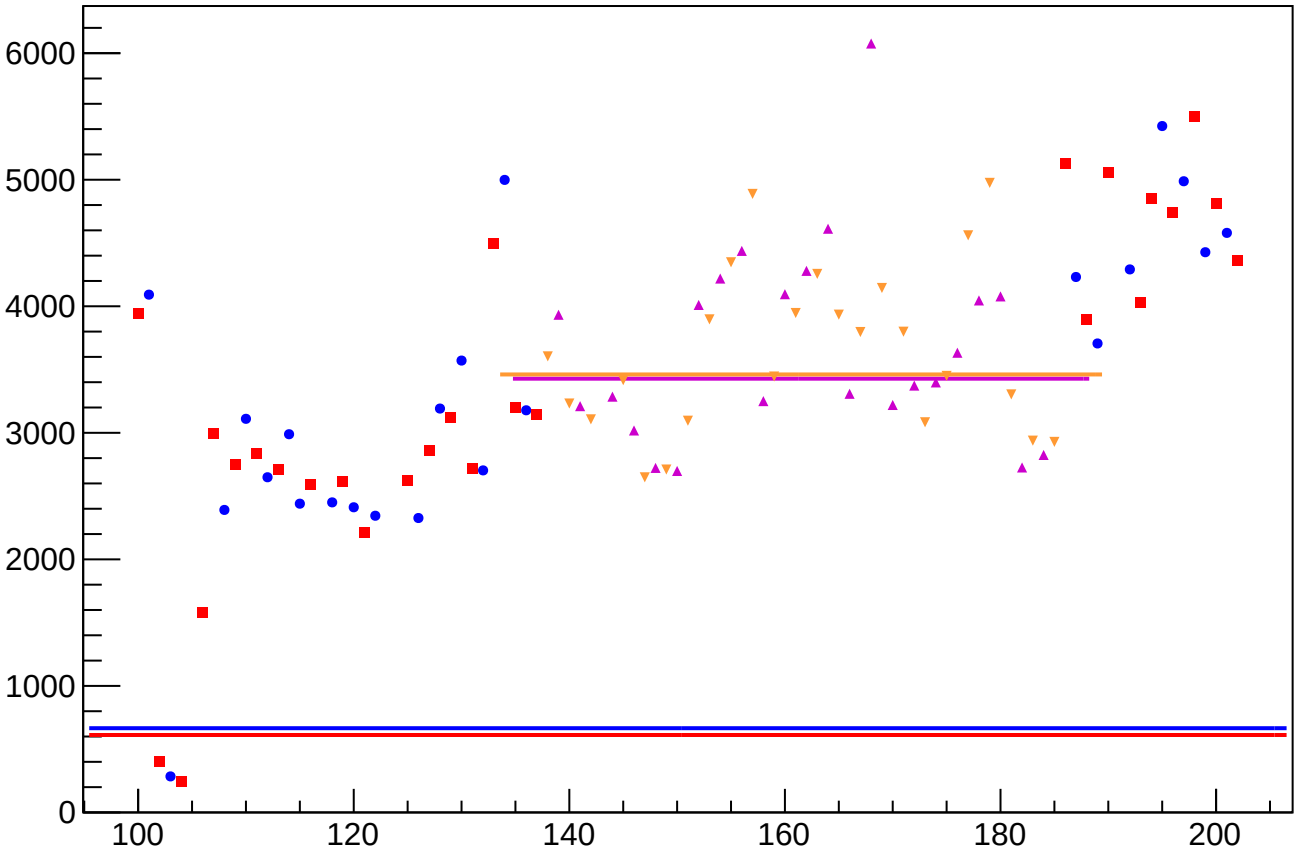
Right Out: 65.289+/-317.217 χ^2/NDF: 28.0/26

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 27.321+/-323.576 χ^2/NDF: 53.2/46

All: 36.592+/-218.290 χ^2/NDF: 94.9/96

- sign 44.335+/-295.720 χ^2/NDF: 41.7/49



Right In: 665.804+/-0.249 χ^2/NDF: 17310872.4/22

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 612.159+/-0.224 χ^2/NDF: 19716335.6/26

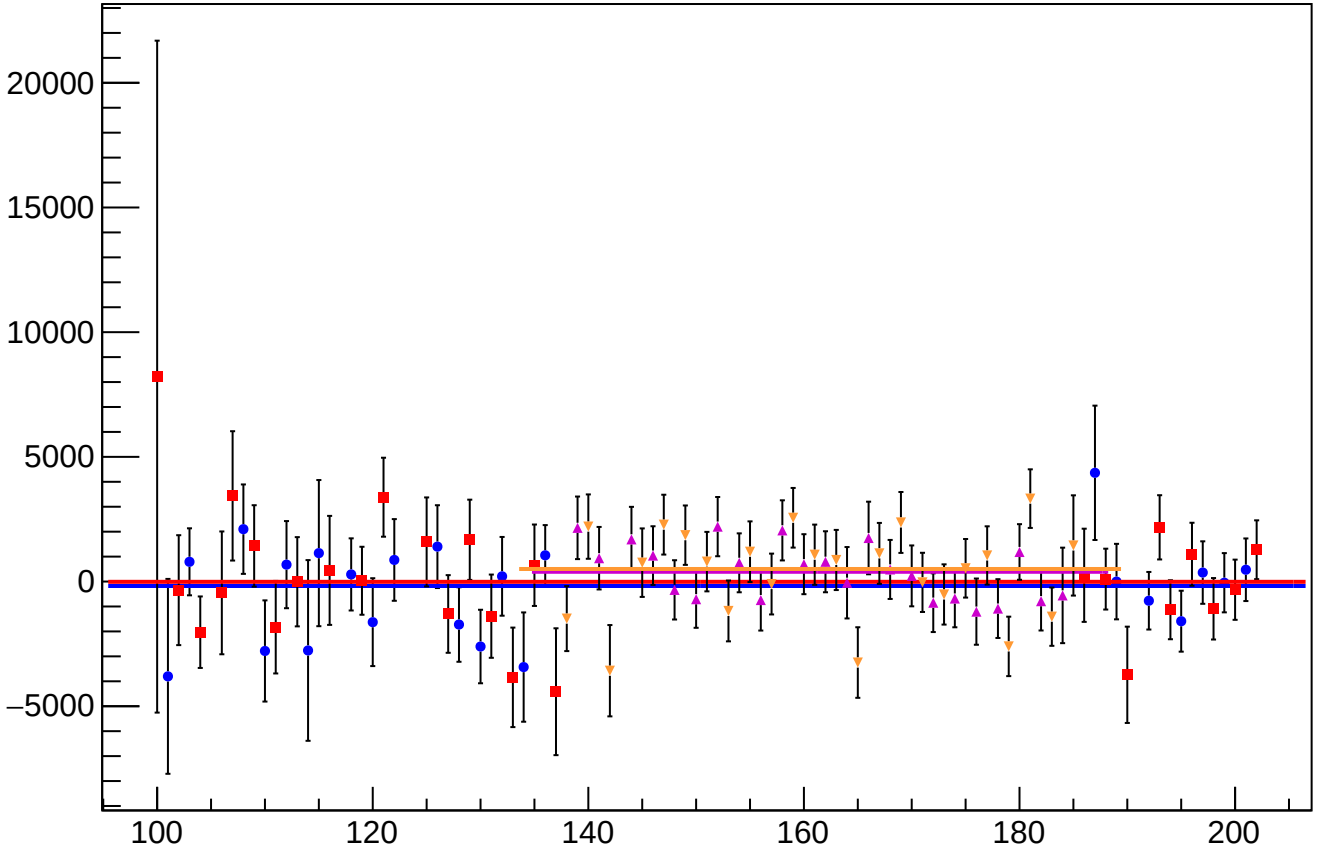
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1100.560+/-0.229 χ^2/NDF: 37974459.5/46

All: 1035.333+/-0.154 χ^2/NDF: 79716472.6/9

- sign 980.853+/-0.209 χ^2/NDF: 41592862.1/49

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -178.311+/-326.072 χ^2/NDF: 19.7/22

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -10.628+/-306.789 χ^2/NDF: 31.0/26

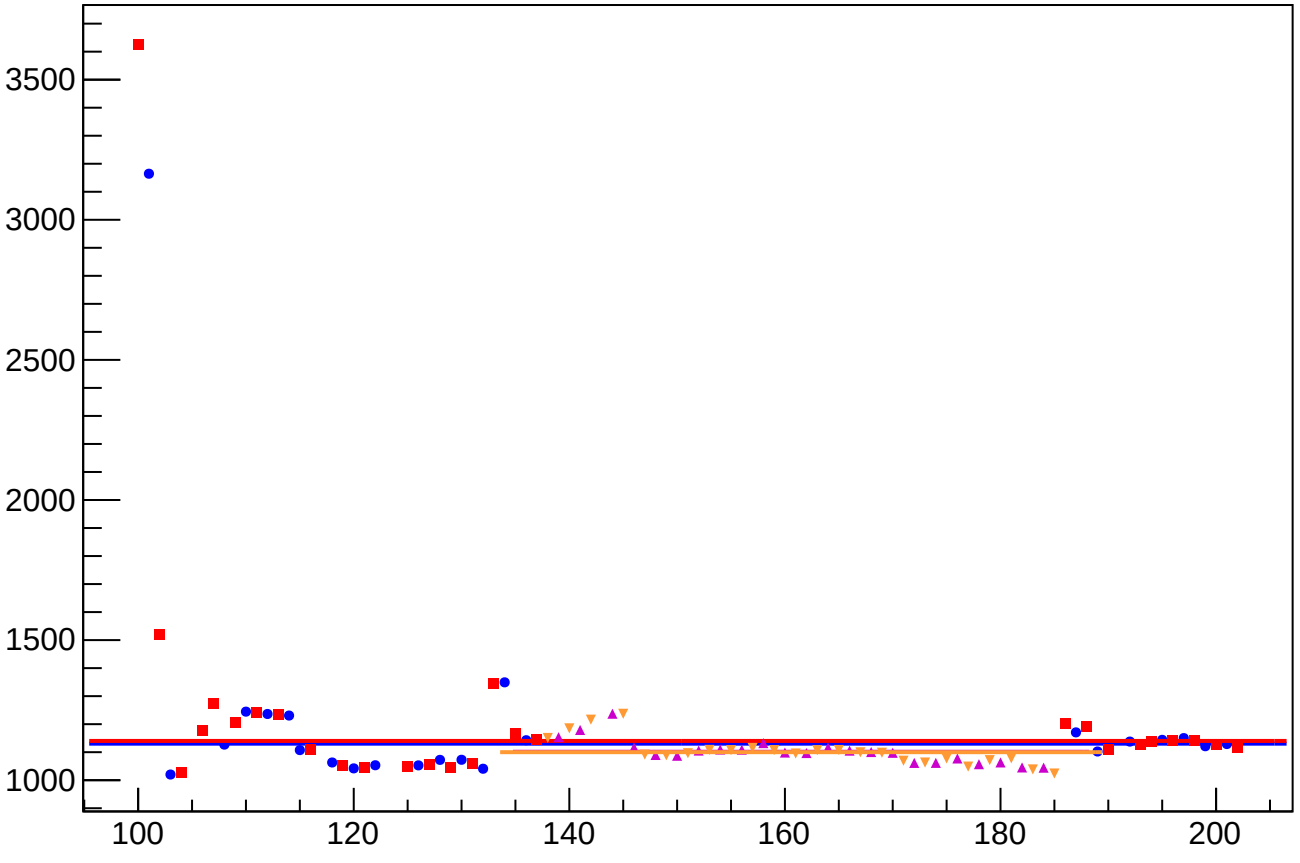
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

\+ sign 244.202+/-201.129 χ^2/NDF: 67.0/46

All: 234.661+/-140.803 χ^2/NDF: 116.8/96

\- sign 225.492+/-197.182 χ^2/NDF: 49.8/49

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.455+/-0.231 χ^2/NDF: 623539.4/22

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

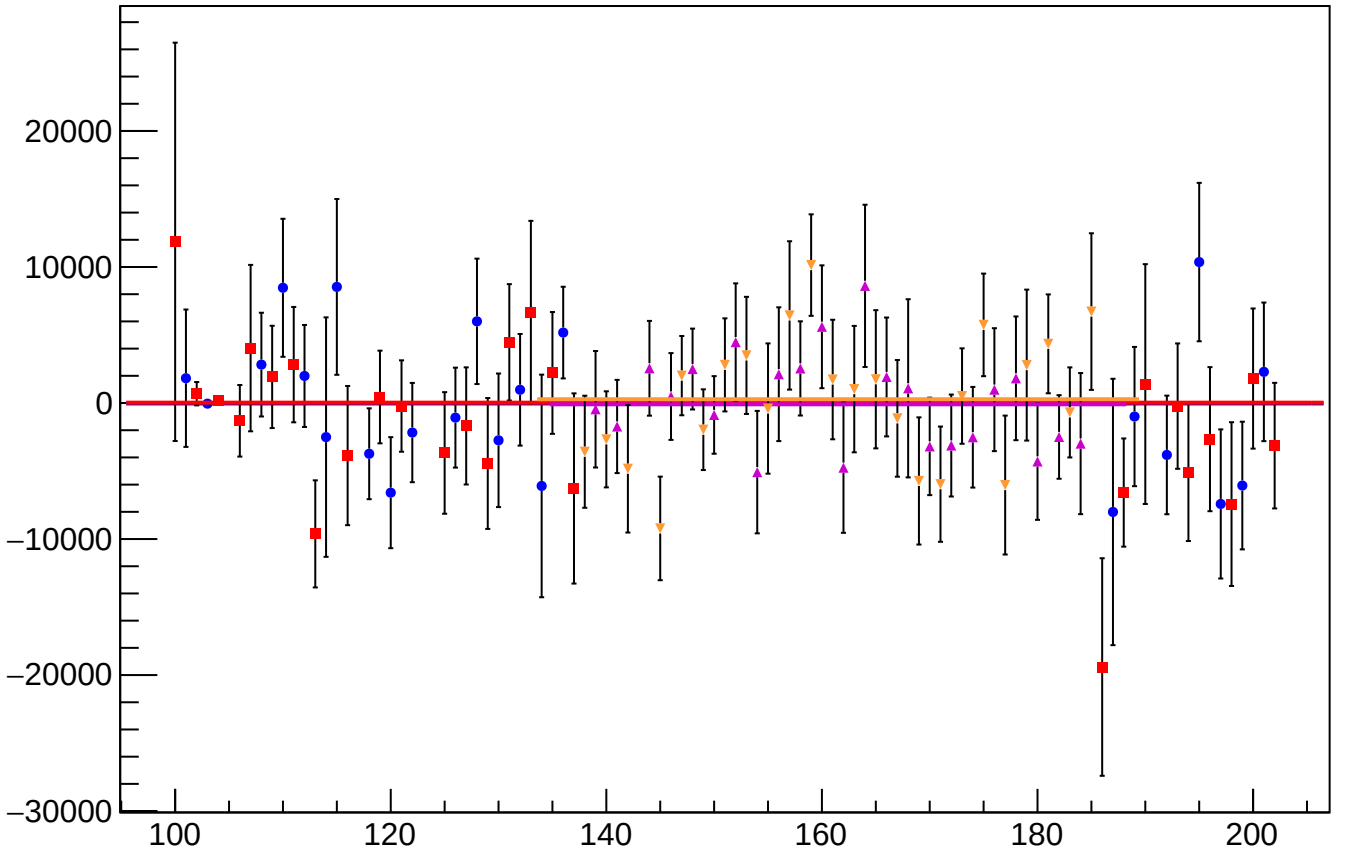
Right Out: 1140.126+/-0.217 χ^2/NDF: 228306.3/26

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1111.627+/-0.142 χ^2/NDF: 693037.2/46

All: 1114.611+/-0.100 χ^2/NDF: 992937.0/96

\- sign 1117.479+/-0.139 χ^2/NDF: 299036.2/49



Right In: -30.942+/-339.566 χ^2/NDF: 23.2/22

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

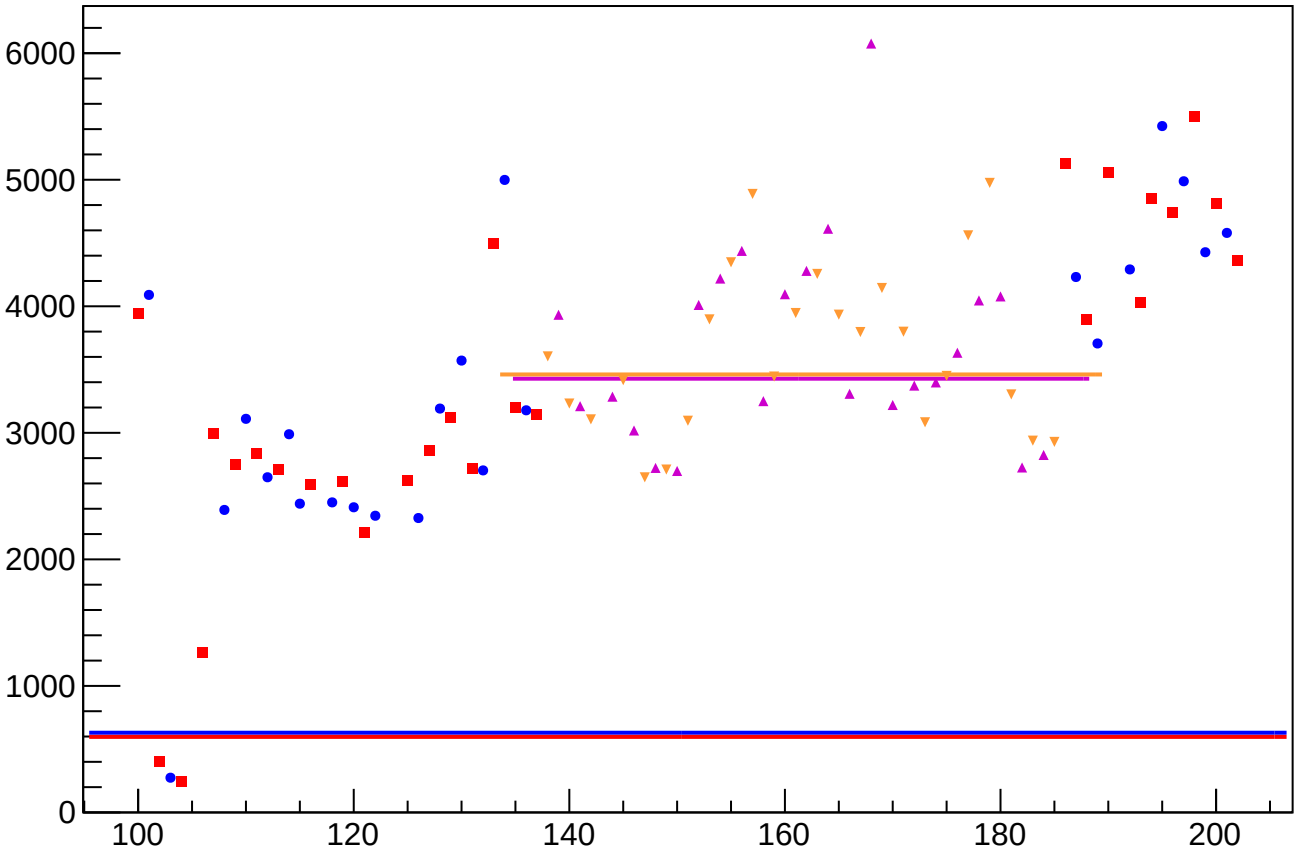
Right Out: 25.525+/-312.287 χ^2/NDF: 26.2/26

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 14.167+/-313.758 χ^2/NDF: 53.2/46

All: 12.039+/-213.641 χ^2/NDF: 93.1/96

- sign 10.201+/-291.714 χ^2/NDF: 39.9/49



Right In: 630.064+/-0.240 χ^2/NDF: 17586352.6/22

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 597.224+/-0.221 χ^2/NDF: 19707736.9/26

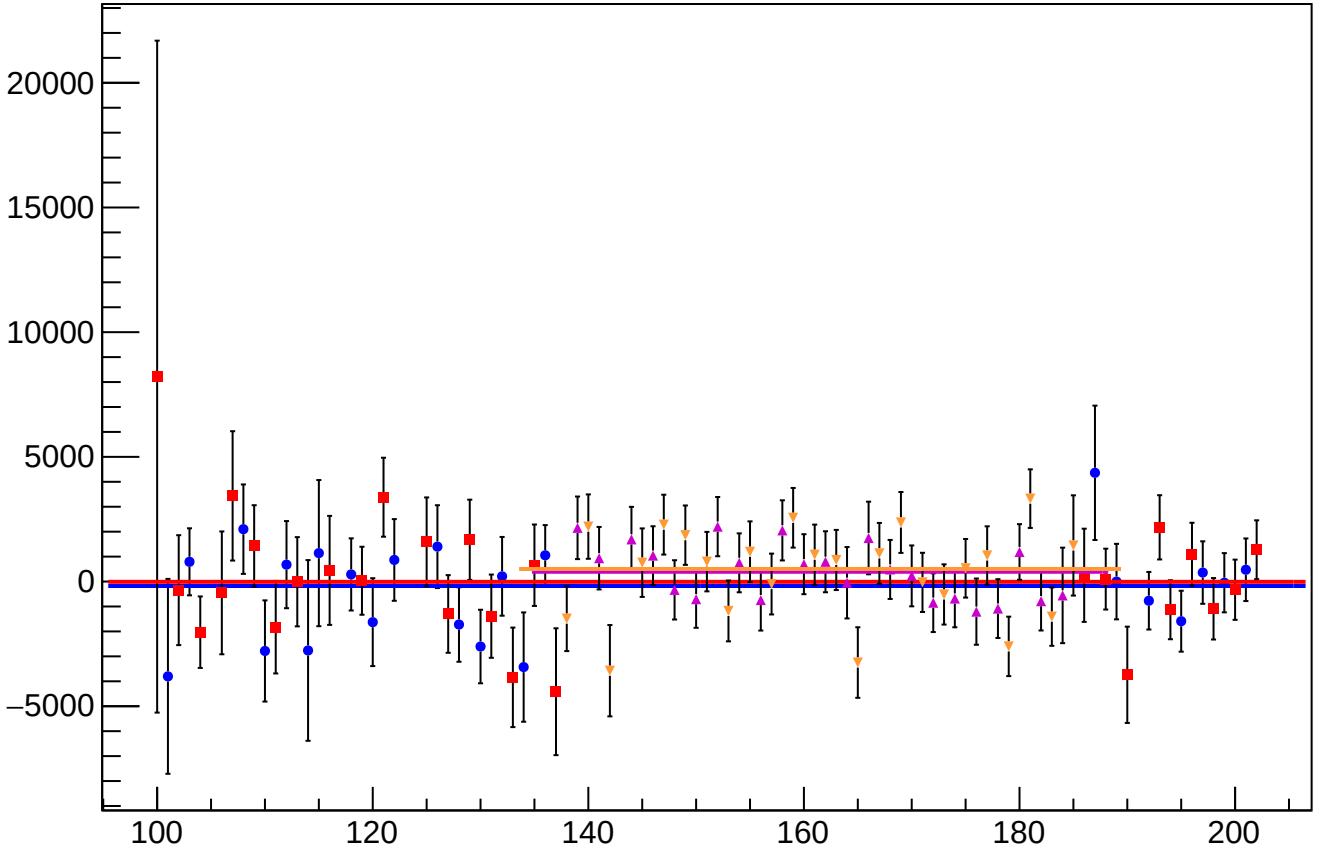
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1044.066+/-0.222 χ^2/NDF: 38975768.3/46

All: 997.850+/-0.151 χ^2/NDF: 80944948.5/96

- sign 957.900+/-0.206 χ^2/NDF: 41888276.9/49

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -178.311+/-326.072 χ^2/NDF: 19.7/22

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -10.628+/-306.789 χ^2/NDF: 31.0/26

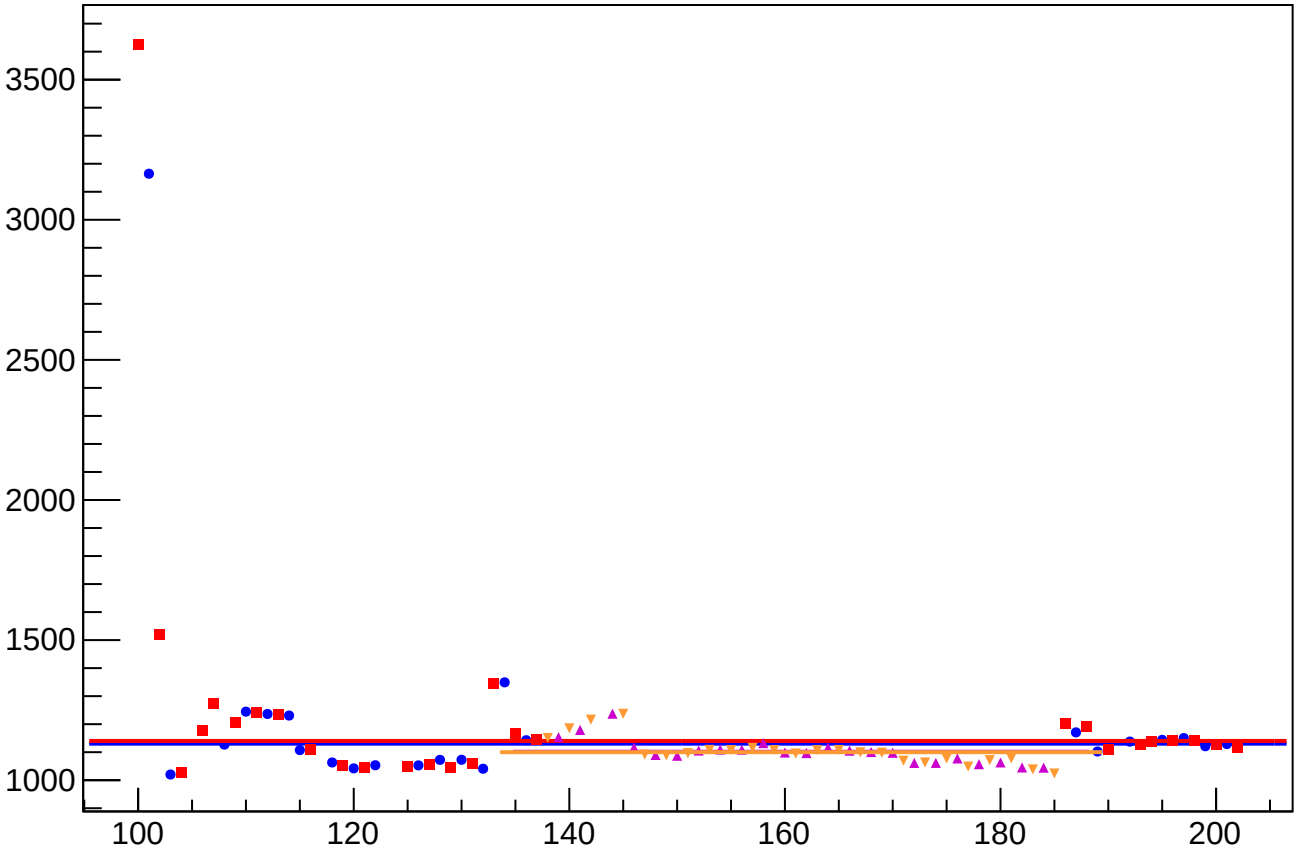
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 244.202+/-201.129 χ^2/NDF: 67.0/46

All: 234.661+/-140.803 χ^2/NDF: 116.8/96

- sign 225.492+/-197.182 χ^2/NDF: 49.8/49

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.455+/-0.231 χ^2/NDF: 623539.4/22

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

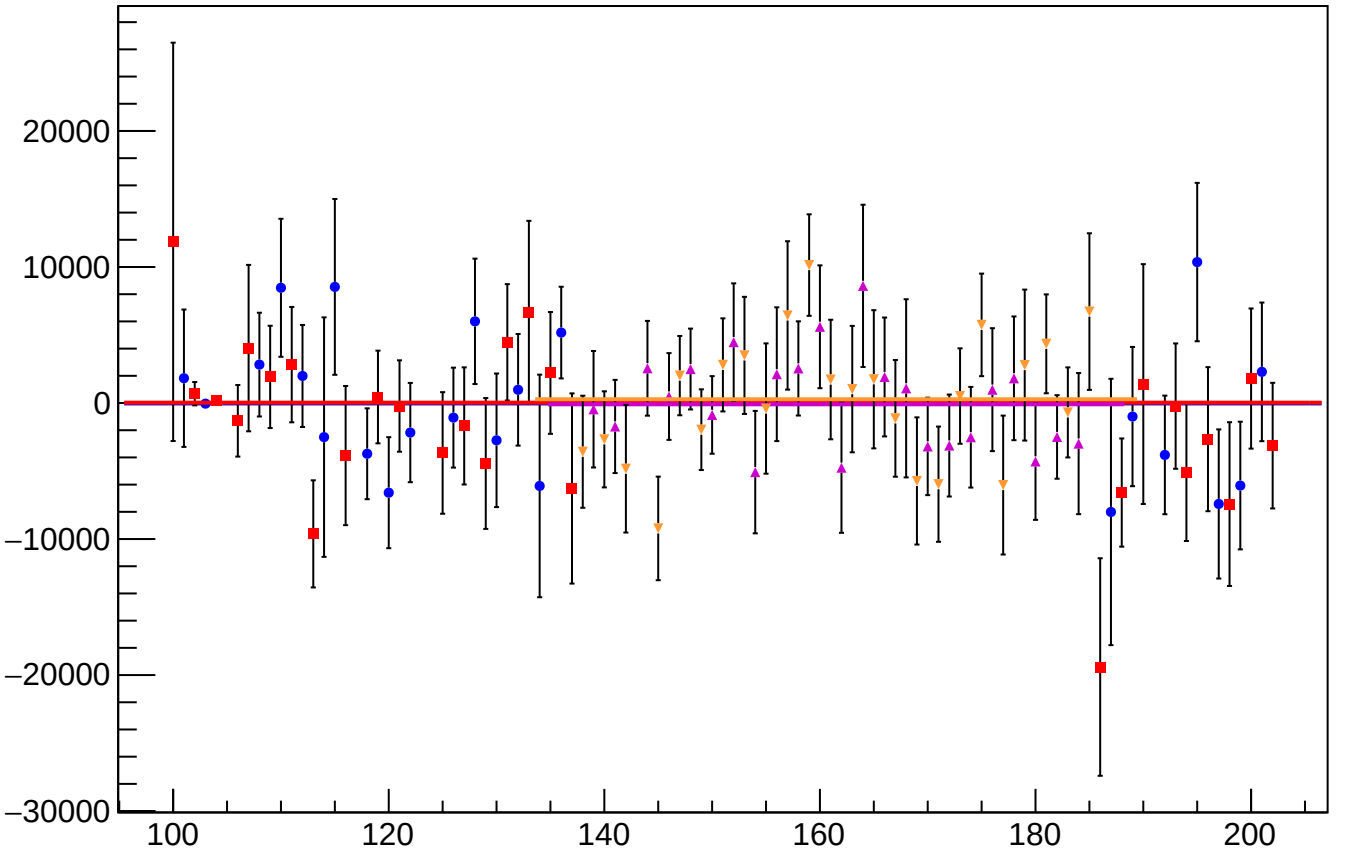
Right Out: 1140.126+/-0.217 χ^2/NDF: 228306.3/26

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1111.627+/-0.142 χ^2/NDF: 693037.2/46

All: 1114.611+/-0.100 χ^2/NDF: 992937.0/96

\- sign 1117.479+/-0.139 χ^2/NDF: 299036.2/49



Right In: -30.942+/-339.566 χ^2/NDF: 23.2/22

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

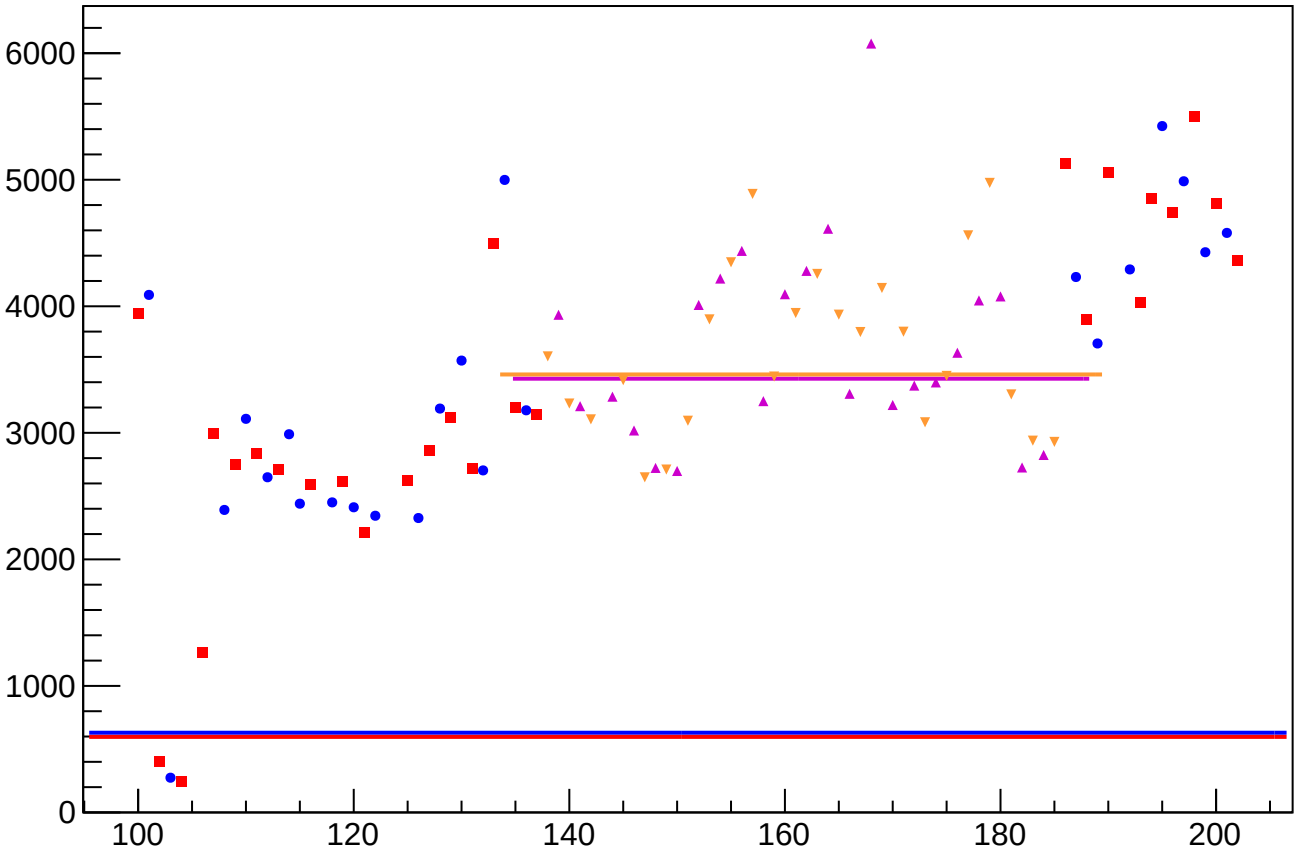
Right Out: 25.525+/-312.287 χ^2/NDF: 26.2/26

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 14.167+/-313.758 χ^2/NDF: 53.2/46

All: 12.039+/-213.641 χ^2/NDF: 93.1/96

- sign 10.201+/-291.714 χ^2/NDF: 39.9/49



Right In: 630.064+/-0.240 χ^2/NDF: 17586352.6/22

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 597.224+/-0.221 χ^2/NDF: 19707736.9/26

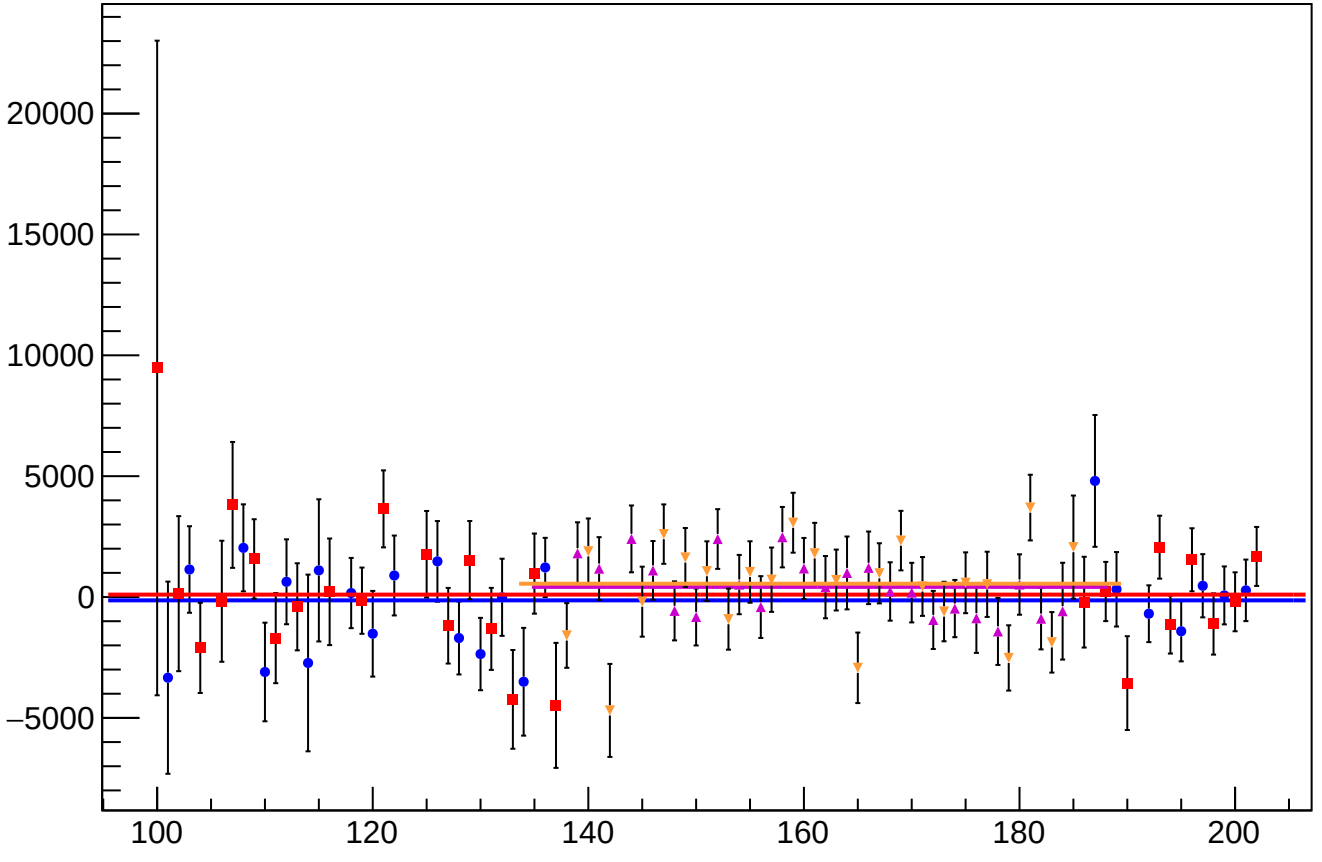
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1044.066+/-0.222 χ^2/NDF: 38975768.3/46

All: 997.850+/-0.151 χ^2/NDF: 80944948.5/96

- sign 957.900+/-0.206 χ^2/NDF: 41888276.9/49

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -137.353+/-334.727 χ^2/NDF: 19.4/22

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 100.101+/-315.344 χ^2/NDF: 32.5/26

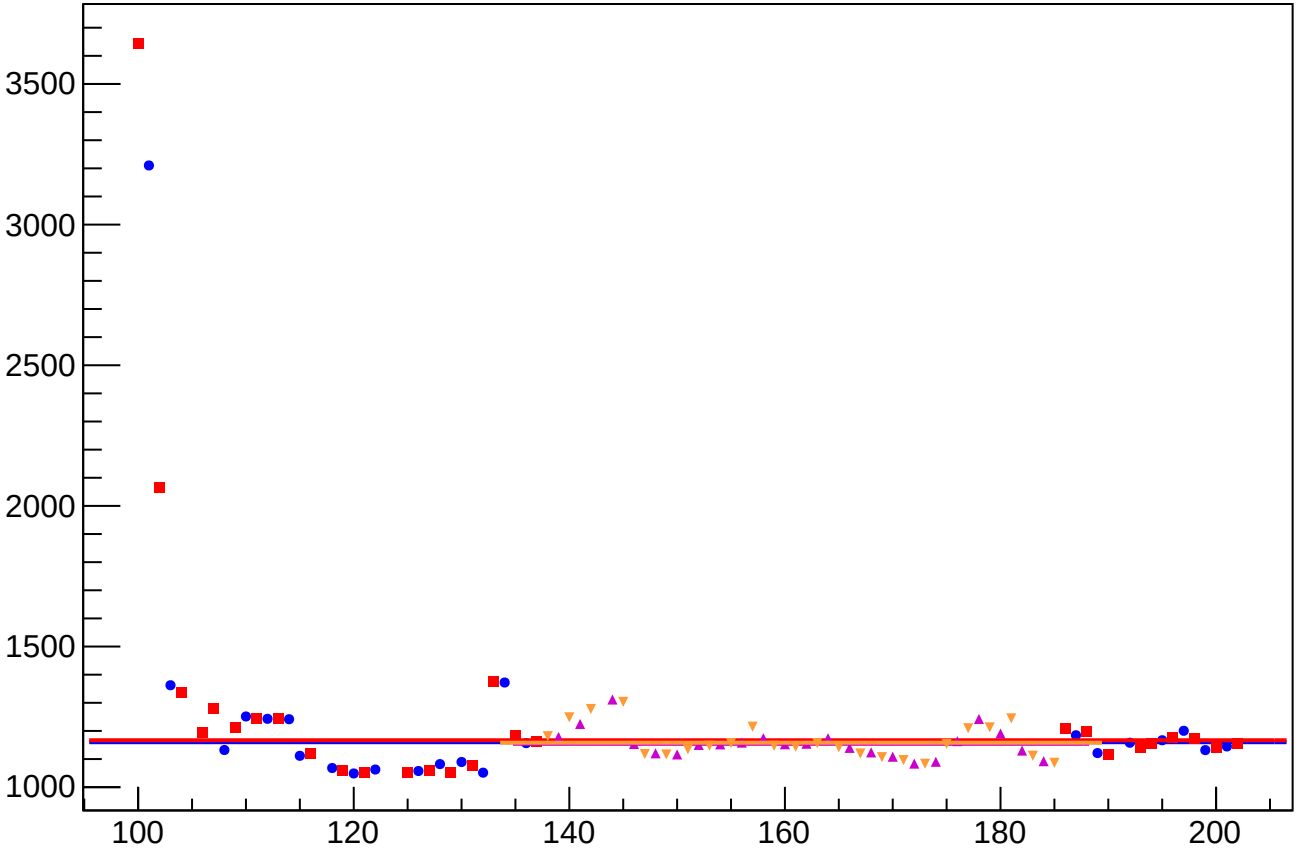
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 280.428+/-209.778 χ^2/NDF: 67.1/46

All: 282.962+/-146.622 χ^2/NDF: 118.2/96

- sign 285.381+/-205.013 χ^2/NDF: 51.1/49

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1159.920+/-0.237 χ^2/NDF: 640230.3/22

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

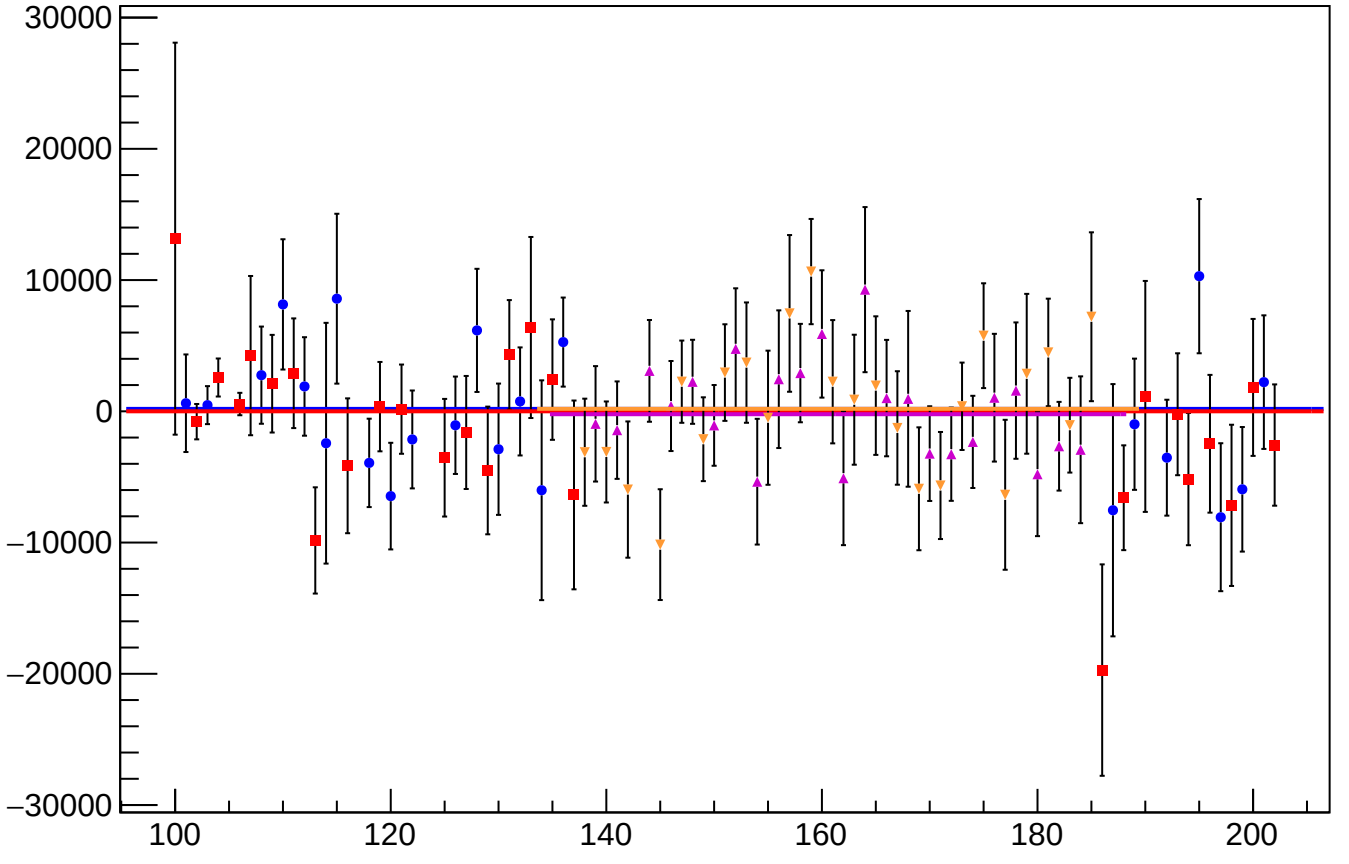
Right Out: 1166.841+/-0.223 χ^2/NDF: 337861.6/26

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1158.861+/-0.148 χ^2/NDF: 724375.0/46

All: 1159.220+/-0.104 χ^2/NDF: 1130572.0/96

- sign 1159.562+/-0.145 χ^2/NDF: 406185.6/49



Right In: 184.747+/-802.106 χ^2/NDF: 22.9/22

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

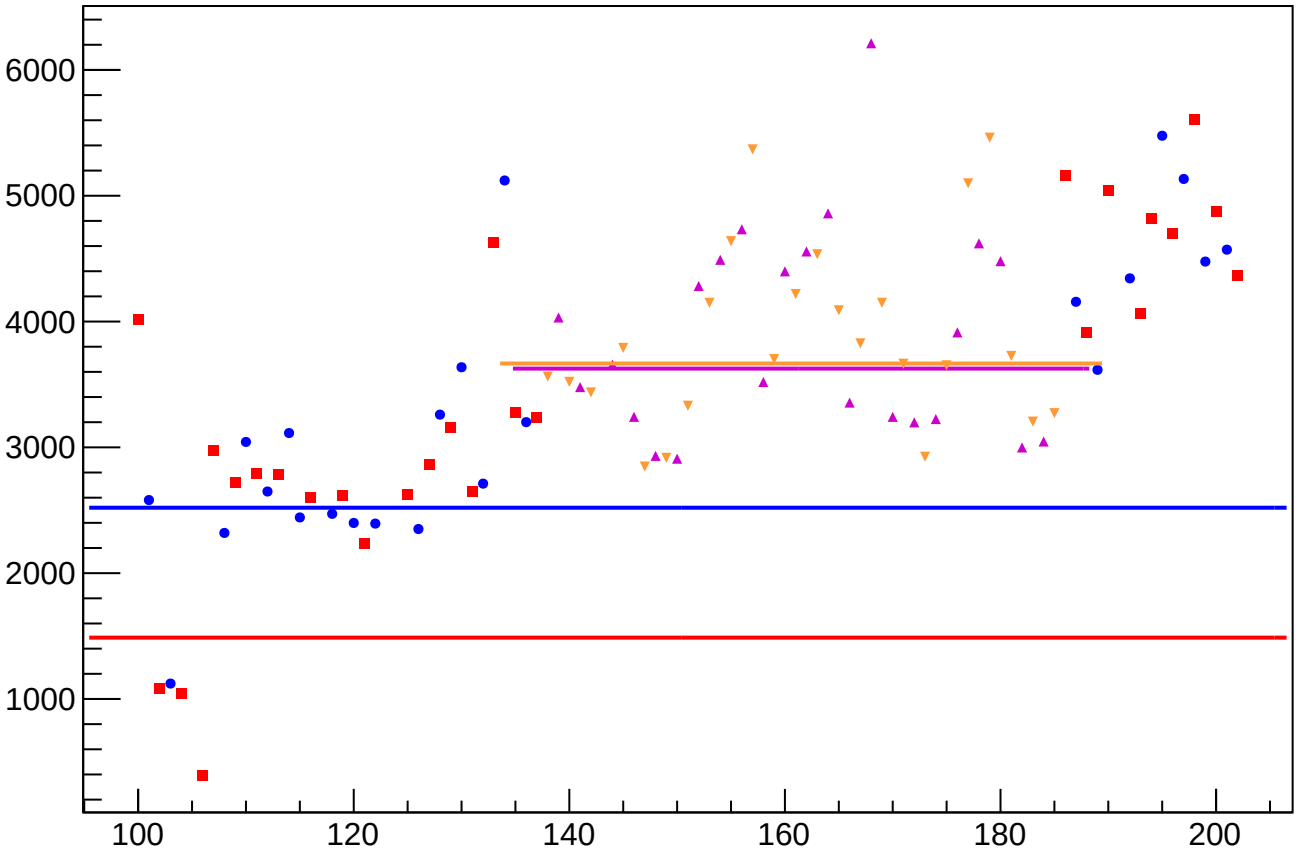
Right Out: 0.309+/-538.683 χ^2/NDF: 29.0/26

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 187.041+/-589.541 χ^2/NDF: 52.2/46

All: 31.750+/-361.302 χ^2/NDF: 94.7/96

- sign -61.659+/-457.230 χ^2/NDF: 42.4/49



Right In: 2520.286+/-0.567 χ^2/NDF: 4436381.4/22

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

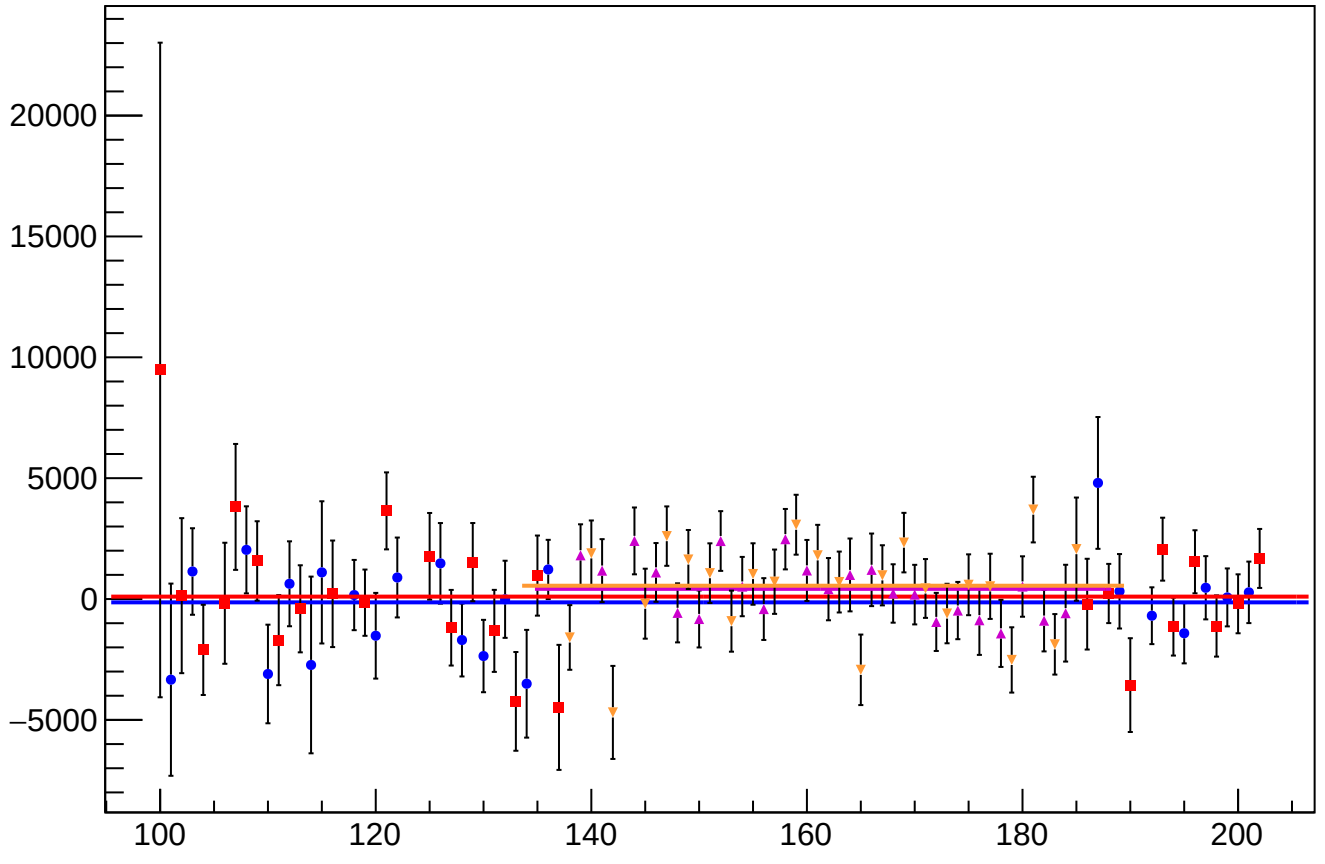
Right Out: 1487.617+/-0.381 χ^2/NDF: 12679754.7/26

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3047.317+/-0.417 χ^2/NDF: 7410151.6/46

All: 2446.678+/-0.255 χ^2/NDF: 33482507.5/9

- sign 2085.390+/-0.323 χ^2/NDF: 22747618.6/49



Right In: -137.353+/-334.727 χ^2/NDF: 19.4/22

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 100.103+/-315.344 χ^2/NDF: 32.5/26

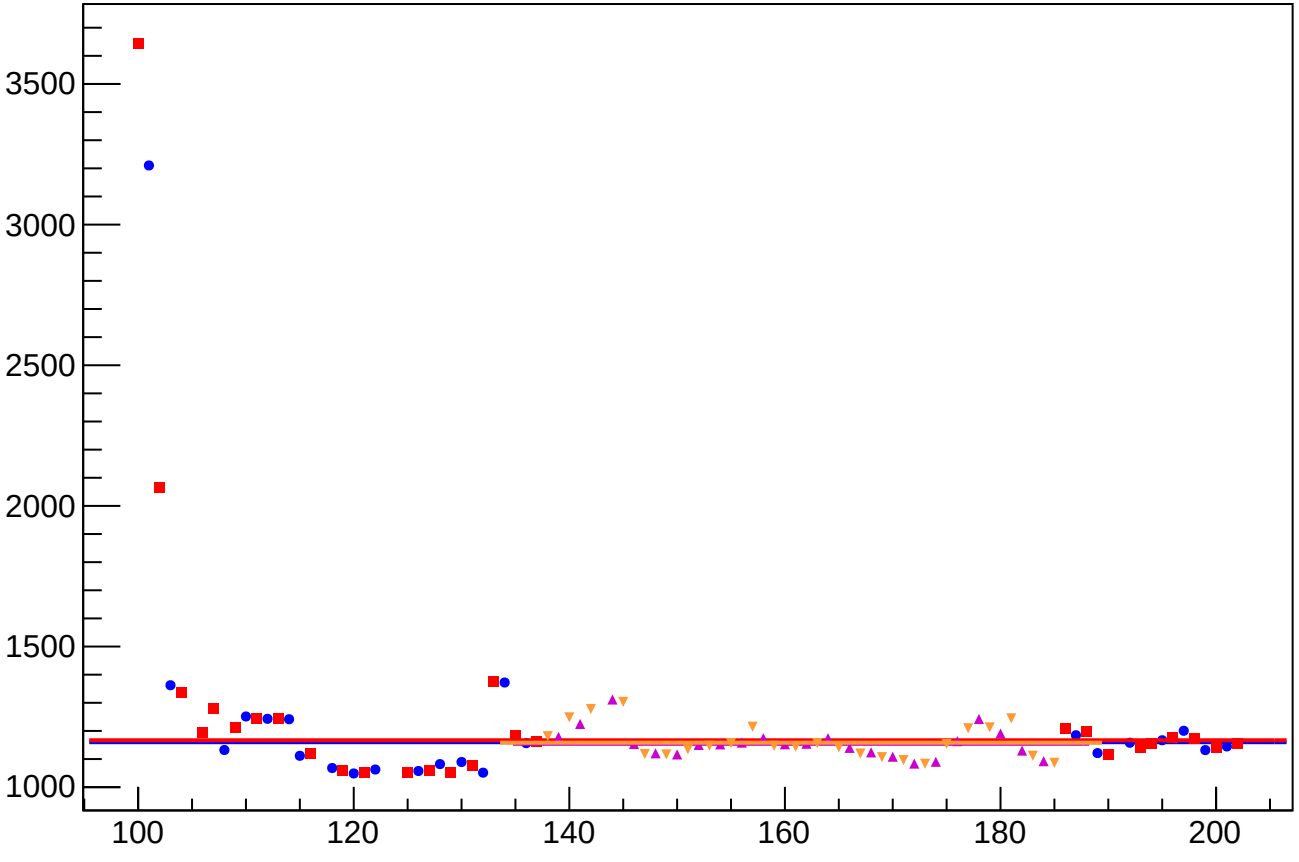
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 280.429+/-209.778 χ^2/NDF: 67.1/46

All: 282.962+/-146.622 χ^2/NDF: 118.2/96

- sign 285.381+/-205.013 χ^2/NDF: 51.1/49

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1159.920+/-0.237 χ^2/NDF: 640230.6/22

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

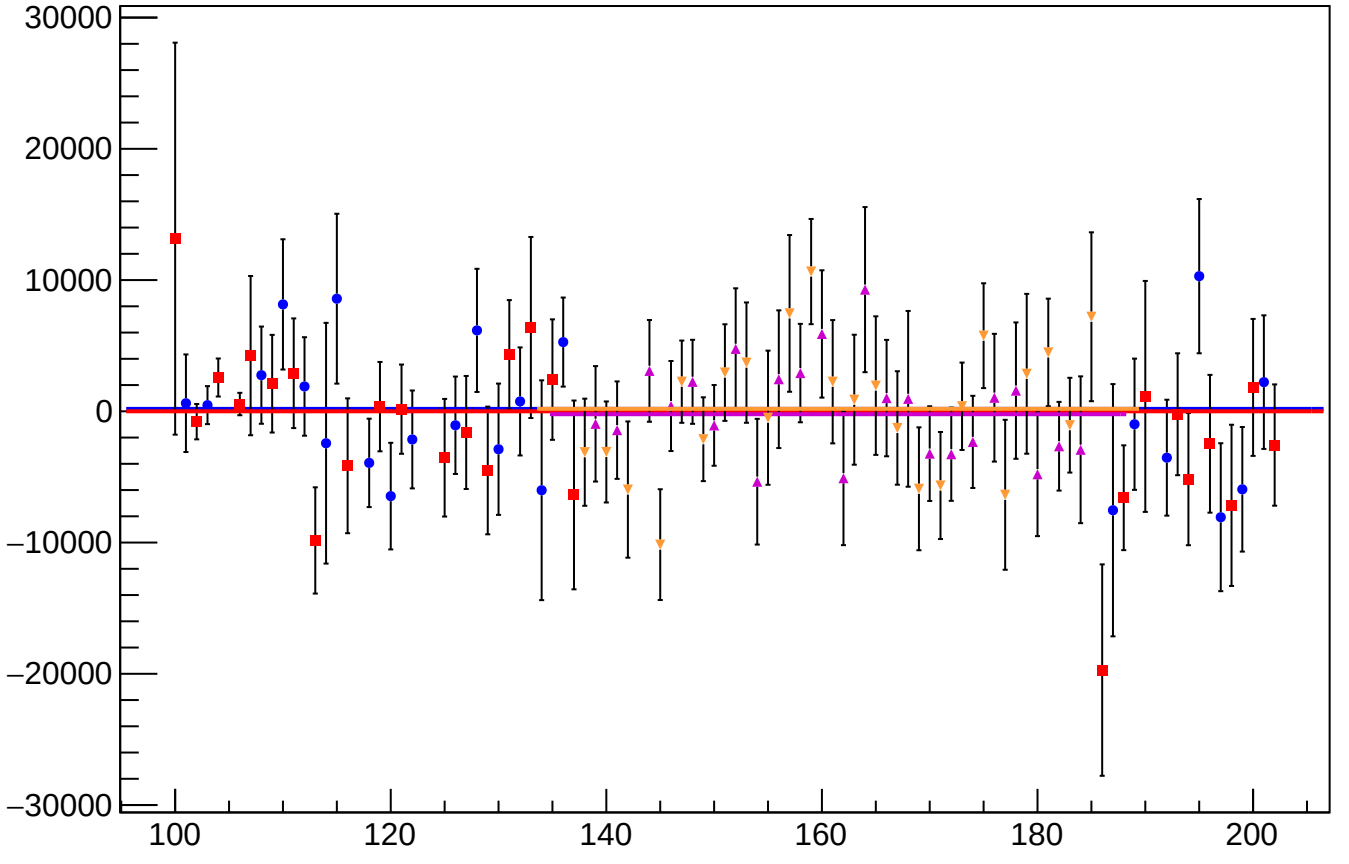
Right Out: 1166.841+/-0.223 χ^2/NDF: 337861.3/26

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1158.862+/-0.148 χ^2/NDF: 724377.7/46

All: 1159.220+/-0.104 χ^2/NDF: 1130576.6/96

- sign 1159.563+/-0.145 χ^2/NDF: 406187.5/49



Right In: 184.743+/-802.105 χ^2/NDF: 22.9/22

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

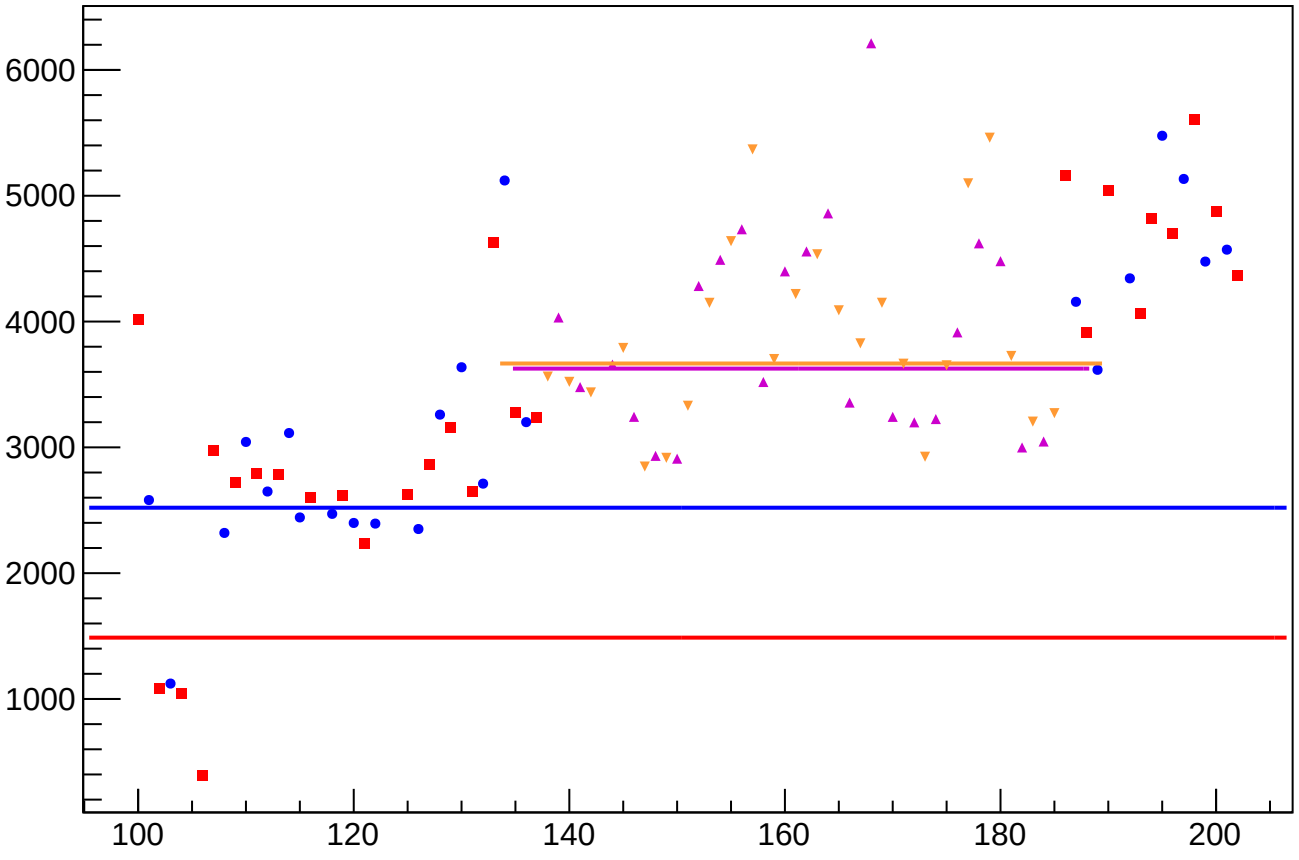
Right Out: 0.319+/-538.677 χ^2/NDF: 29.0/26

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 187.038+/-589.541 χ^2/NDF: 52.2/46

All: 31.752+/-361.300 χ^2/NDF: 94.7/96

- sign -61.652+/-457.227 χ^2/NDF: 42.4/49



Right In: 2520.283+/-0.567 χ^2/NDF: 4436392.3/22

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1487.589+/-0.381 χ^2/NDF: 12679995.1/26

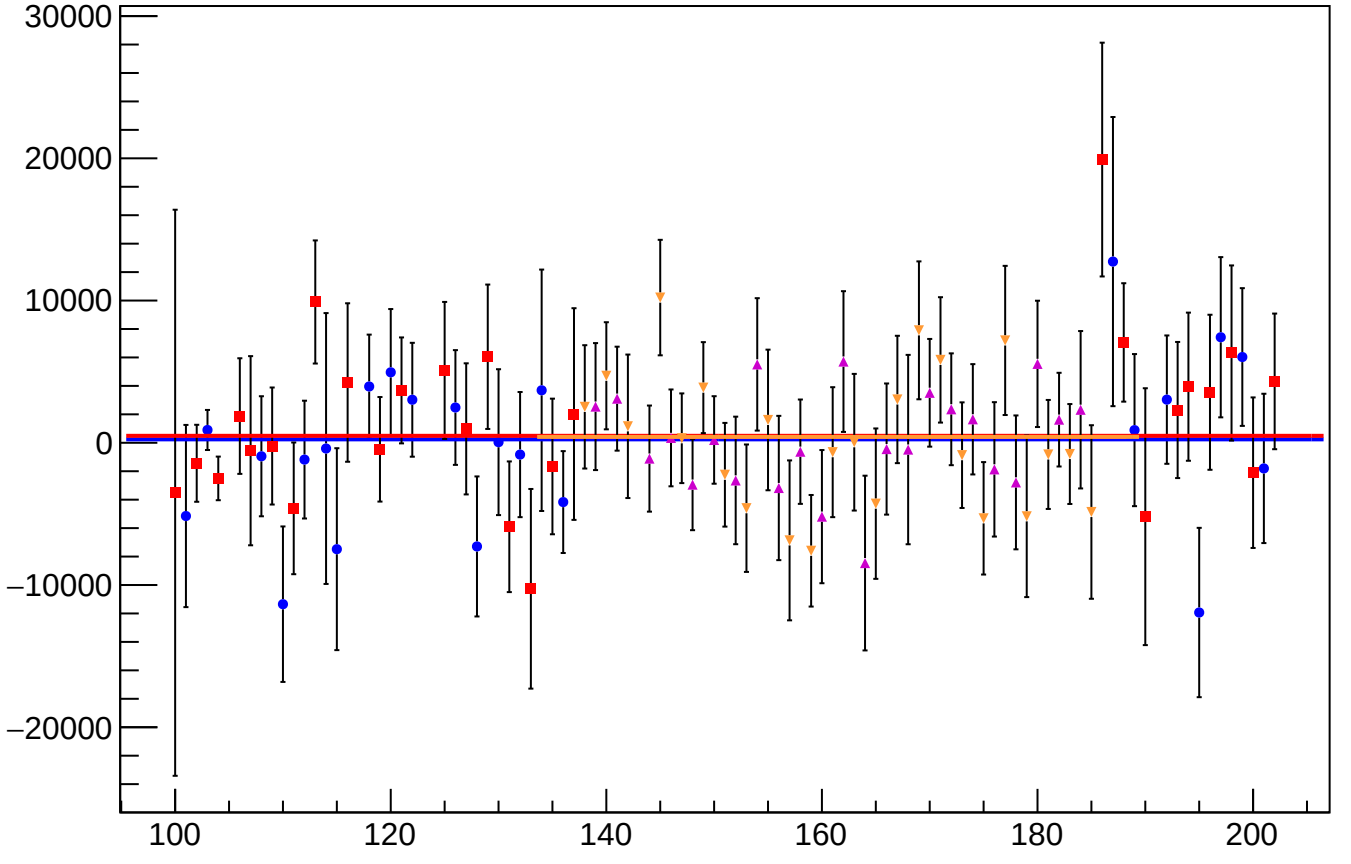
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3047.316+/-0.417 χ^2/NDF: 7410193.1/46

All: 2446.656+/-0.255 χ^2/NDF: 33483314.7/9

- sign 2085.360+/-0.323 χ^2/NDF: 22748169.7/49

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 240.396+/-841.542 χ^2/NDF: 23.1/22

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

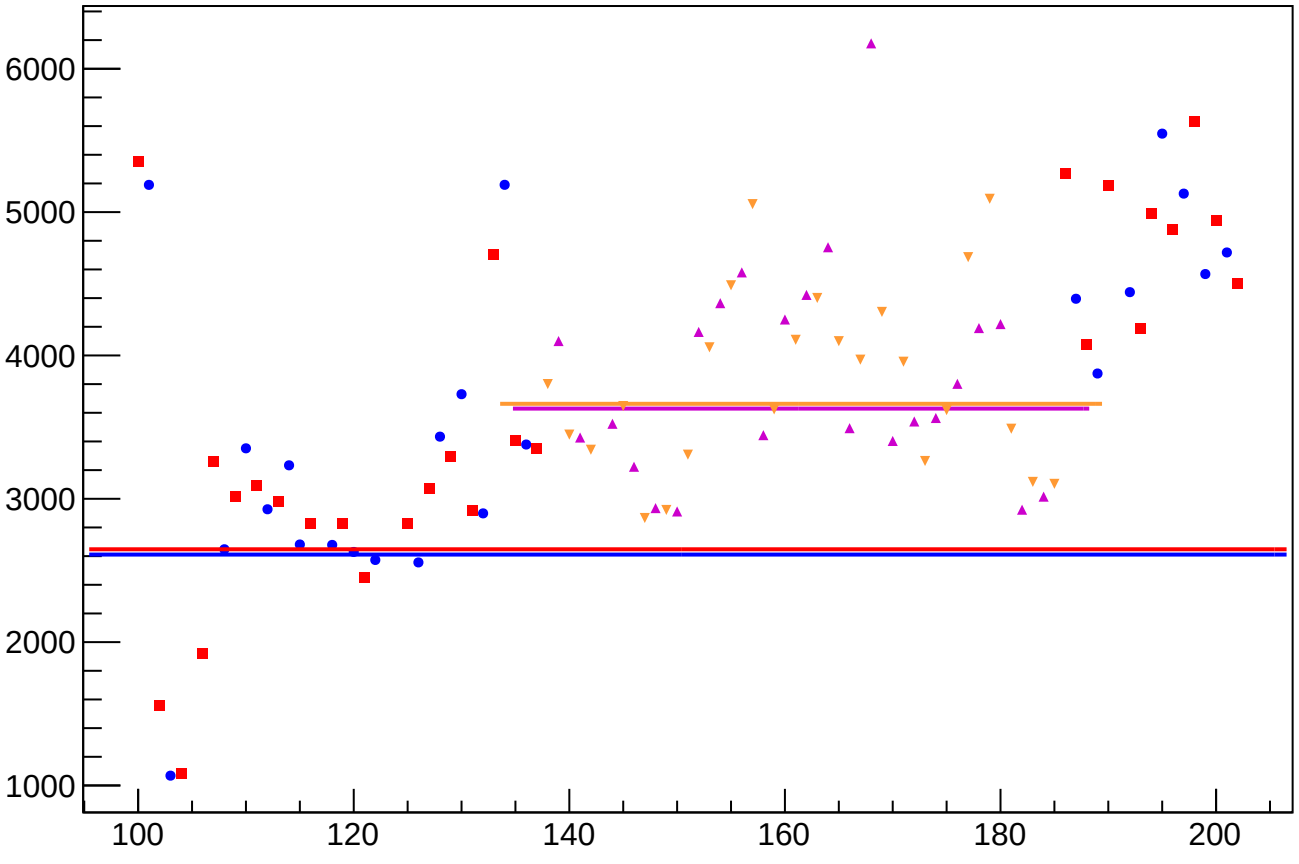
Right Out: 489.748+/-803.579 χ^2/NDF: 29.5/26

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 324.533+/-603.295 χ^2/NDF: 50.3/46

All: 388.725+/-421.054 χ^2/NDF: 92.2/96

- sign 449.687+/-587.924 χ^2/NDF: 41.8/49



Right In: 2610.838+/-0.595 χ^2/NDF: 5255360.6/22

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

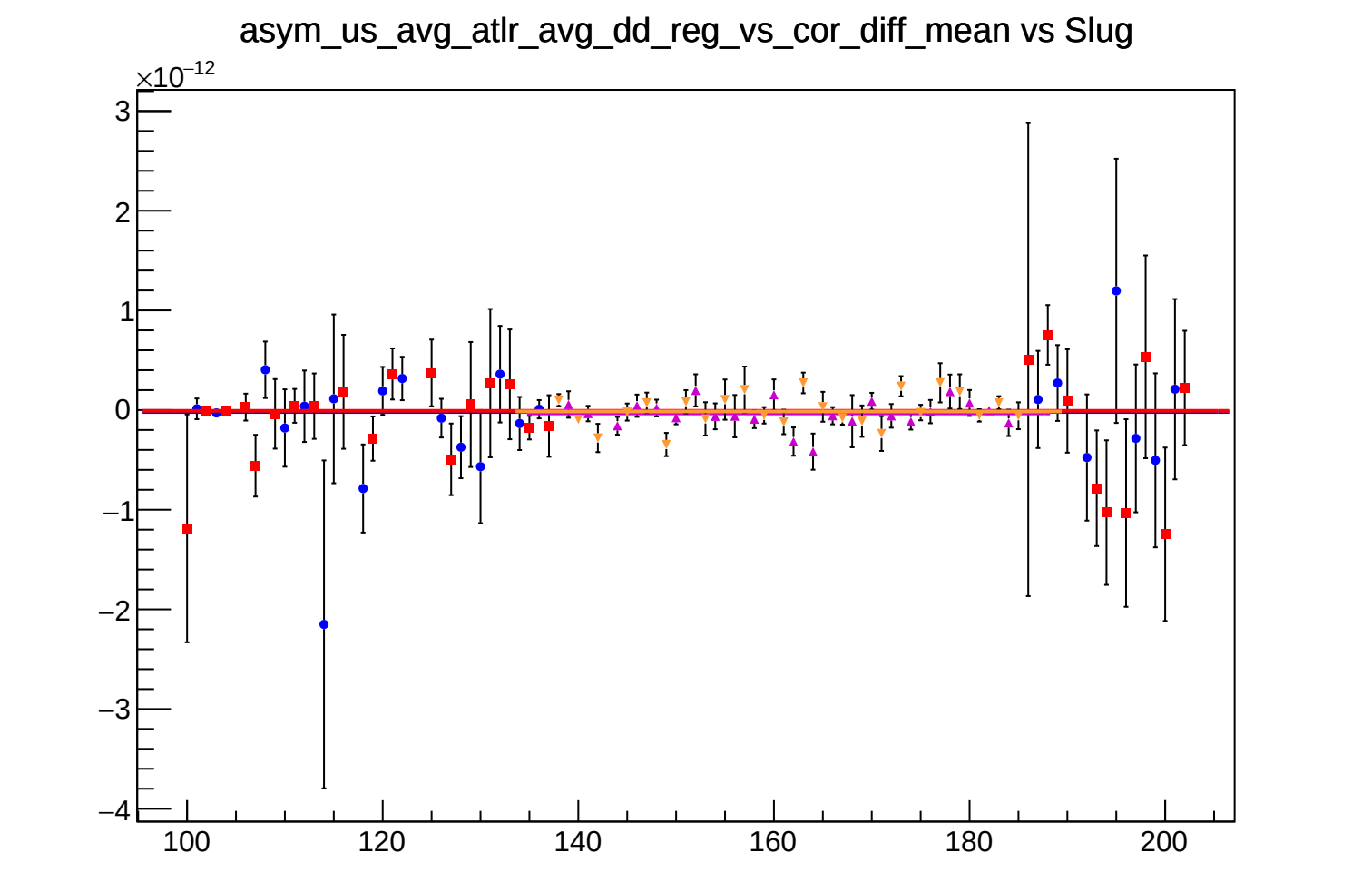
Right Out: 2647.804+/-0.567 χ^2/NDF: 5584147.2/26

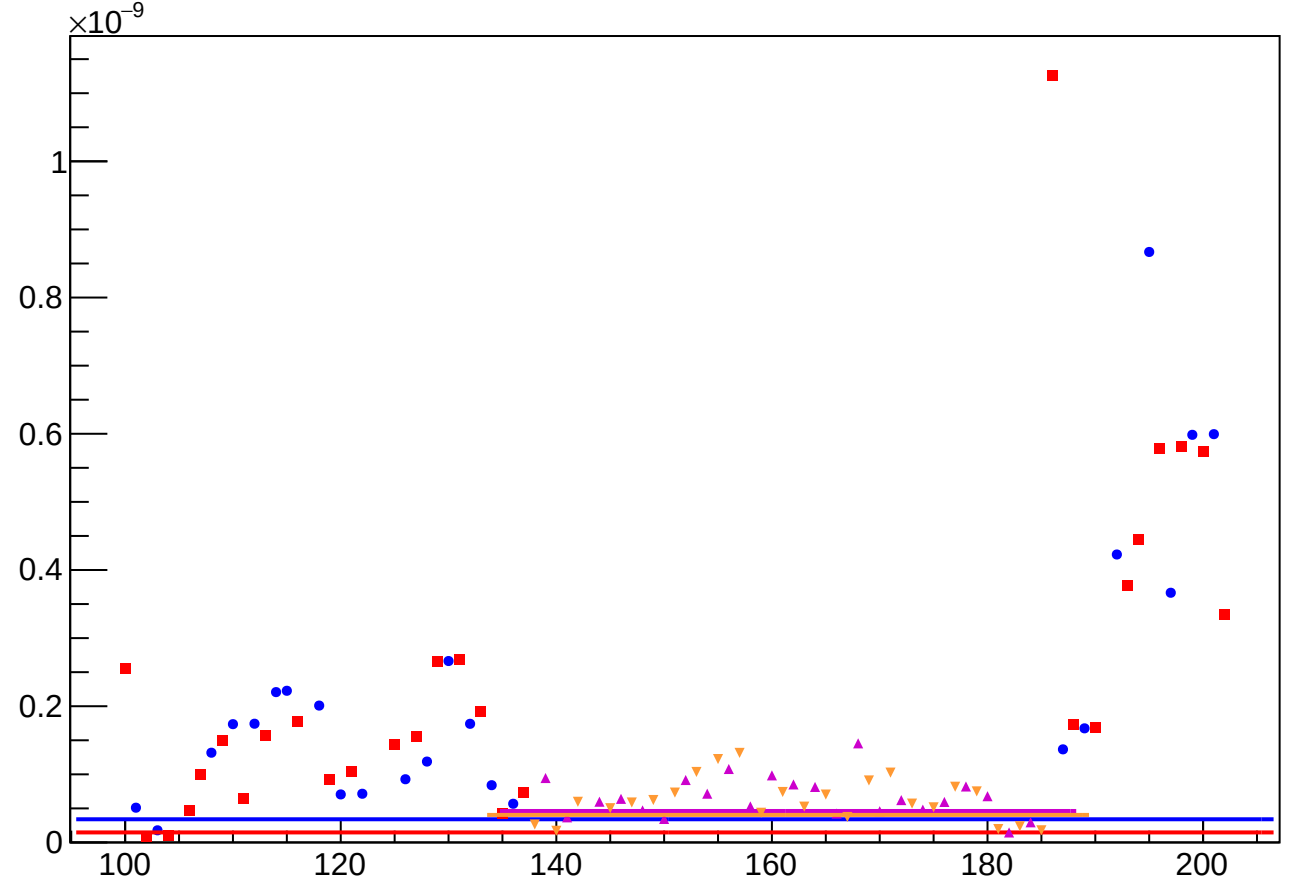
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3122.091+/-0.427 χ^2/NDF: 7667489.2/46

All: 3112.252+/-0.298 χ^2/NDF: 15696327.9/9

- sign 3102.926+/-0.415 χ^2/NDF: 8027802.5/49


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 16.2/22
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/26
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 61.6/46
All: -0.000+/-0.000 χ²/NDF: 113.5/96
- sign -0.000+/-0.000 χ²/NDF: 51.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 6926451.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

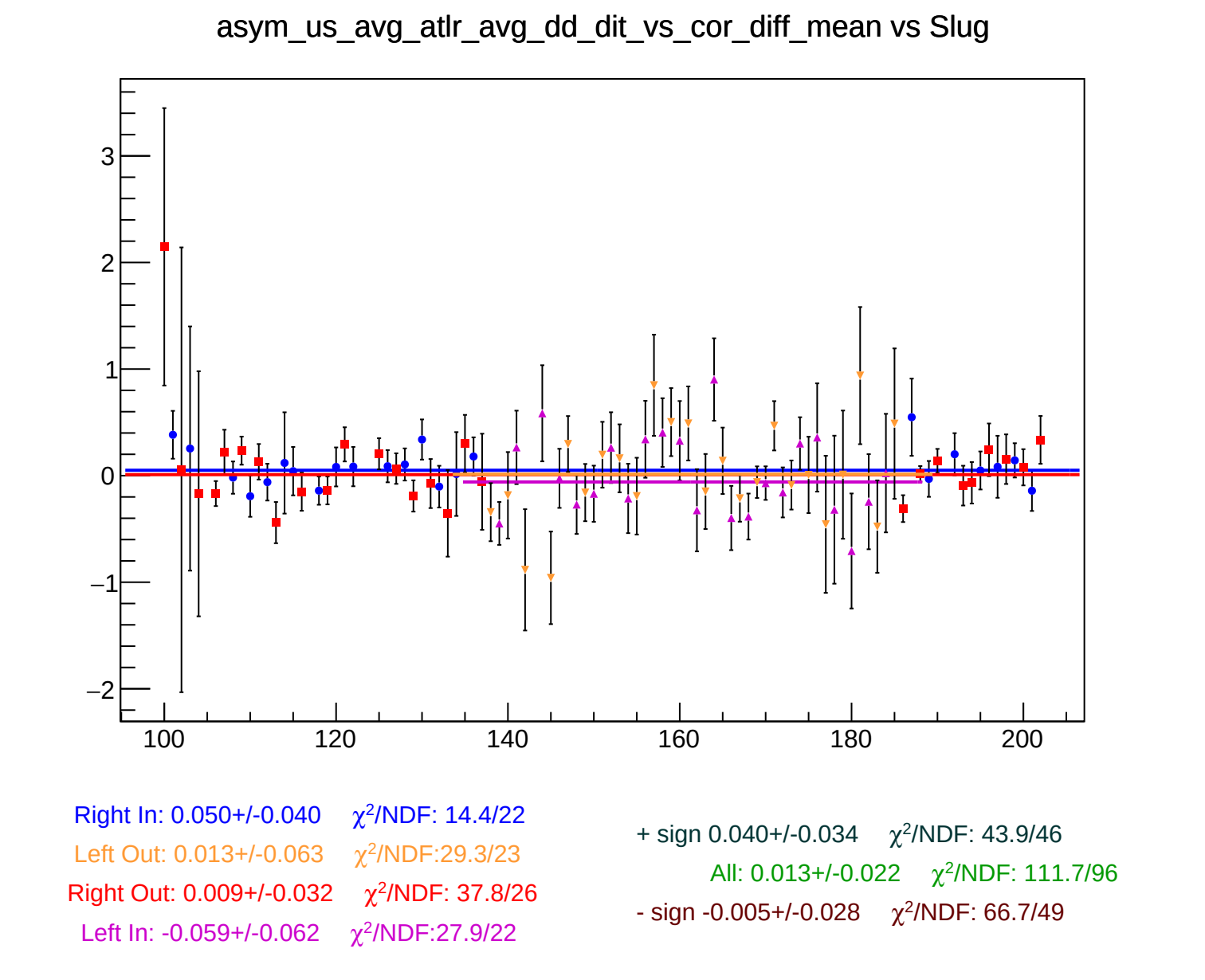
Right Out: 0.000+/-0.000 χ^2/NDF: 9125216.3/26

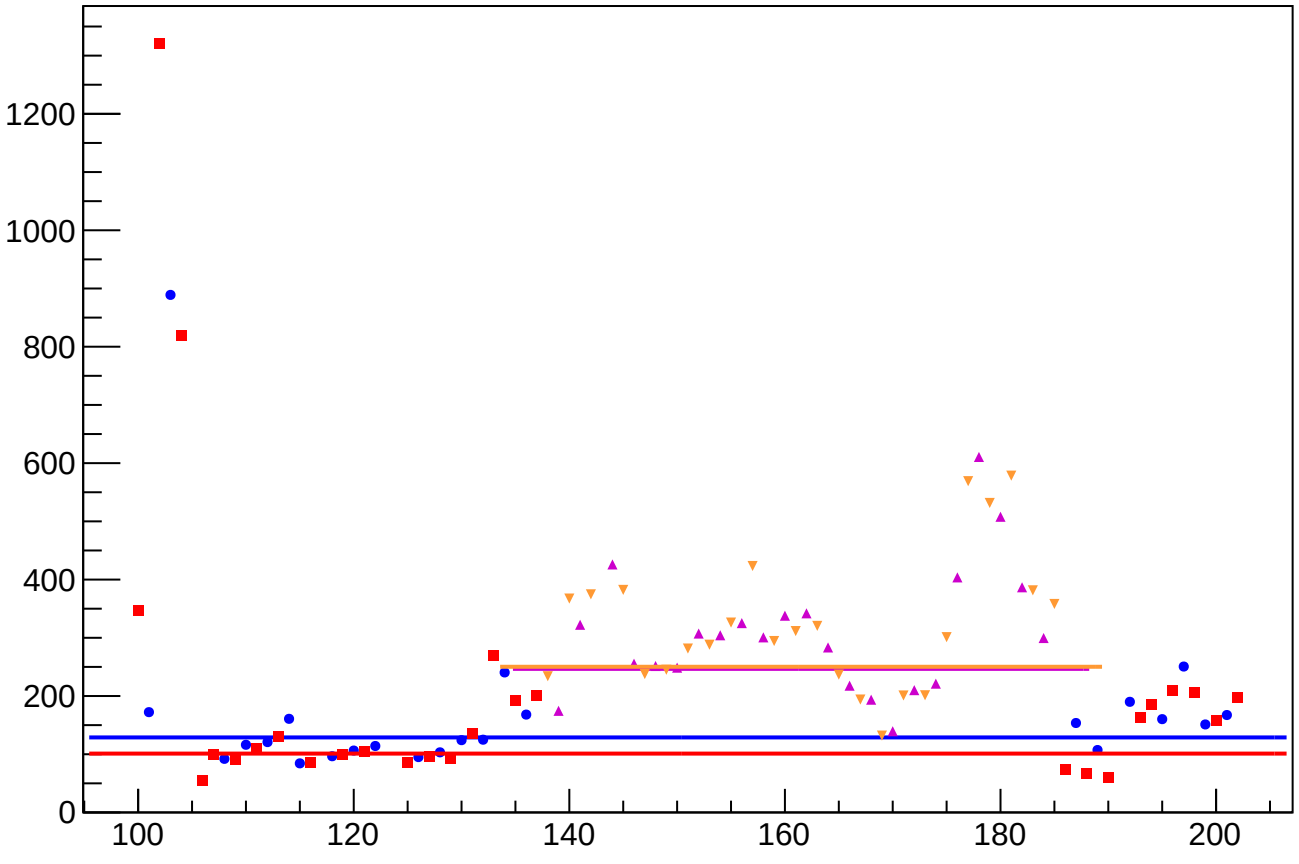
Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10441389.7/46

All: 0.000+/-0.000 χ^2/NDF: 26515857.0/96

- sign 0.000+/-0.000 χ^2/NDF: 15236096.2/49


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.050+/-0.040 χ²/NDF: 14.4/22
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.009+/-0.032 χ²/NDF: 37.8/26
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.034 χ²/NDF: 43.9/46
All: 0.013+/-0.022 χ²/NDF: 111.7/96
- sign -0.005+/-0.028 χ²/NDF: 66.7/49



Right In: 128.878+/-0.028 χ^2/NDF: 2515836.7/22

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 101.101+/-0.022 χ^2/NDF: 5436742.7/26

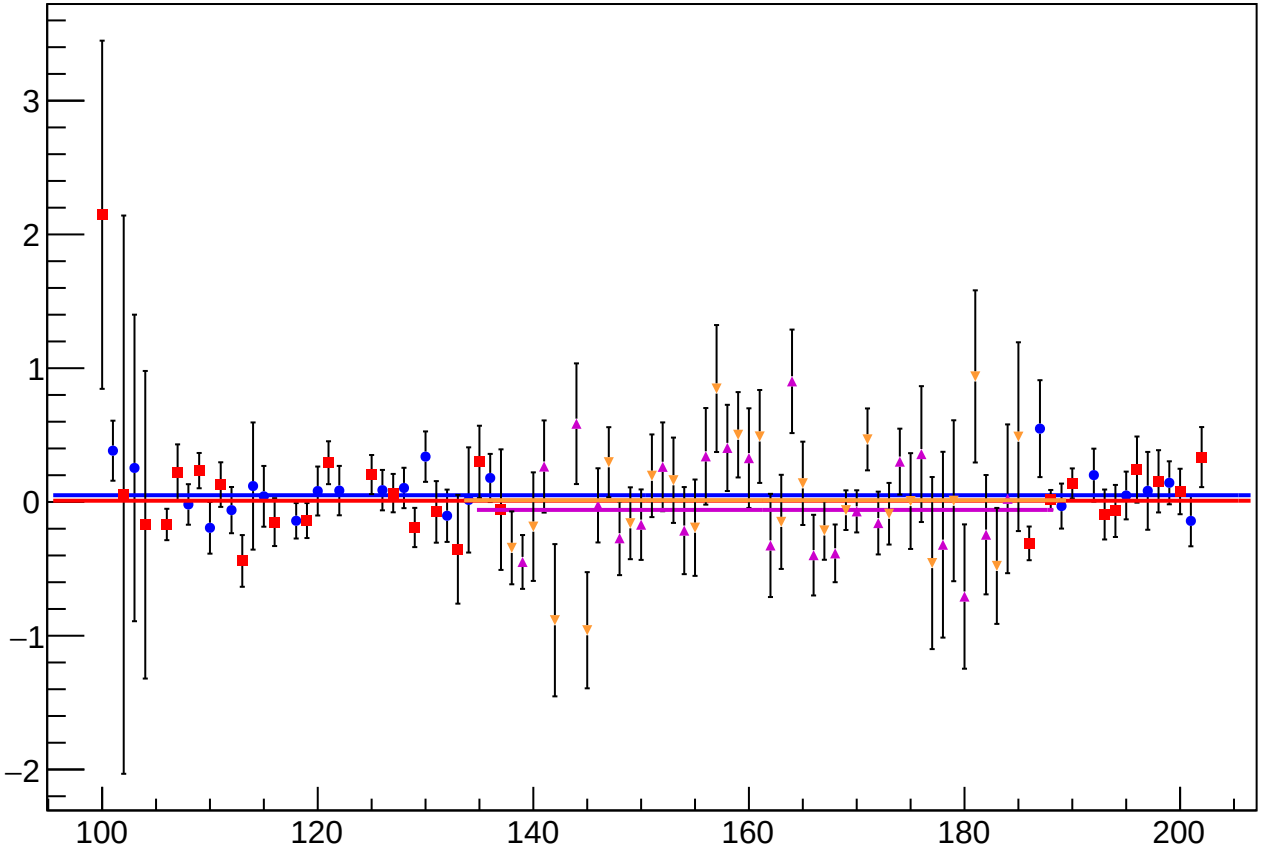
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.860+/-0.024 χ^2/NDF: 12150951.0/46

All: 144.464+/-0.015 χ^2/NDF: 31221509.0/96

- sign 131.050+/-0.020 χ^2/NDF: 17958273.0/49

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.050+/-0.040 χ^2/NDF: 14.4/22

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

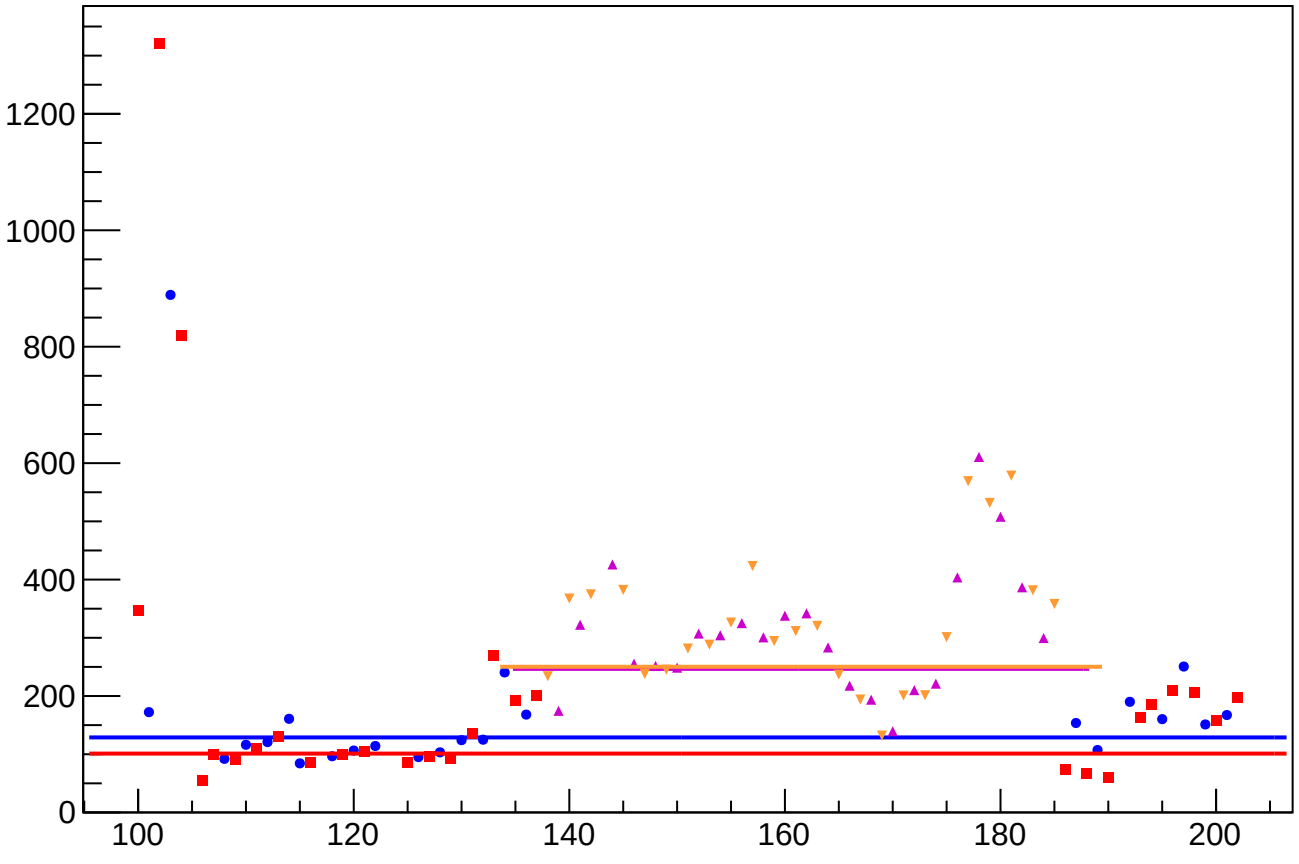
Right Out: 0.009+/-0.032 χ^2/NDF: 37.8/26

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.040+/-0.034 χ^2/NDF: 43.9/46

All: 0.013+/-0.022 χ^2/NDF: 111.7/96

- sign -0.005+/-0.028 χ^2/NDF: 66.7/49



Right In: 128.878+/-0.028 χ^2/NDF: 2515836.7/22

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

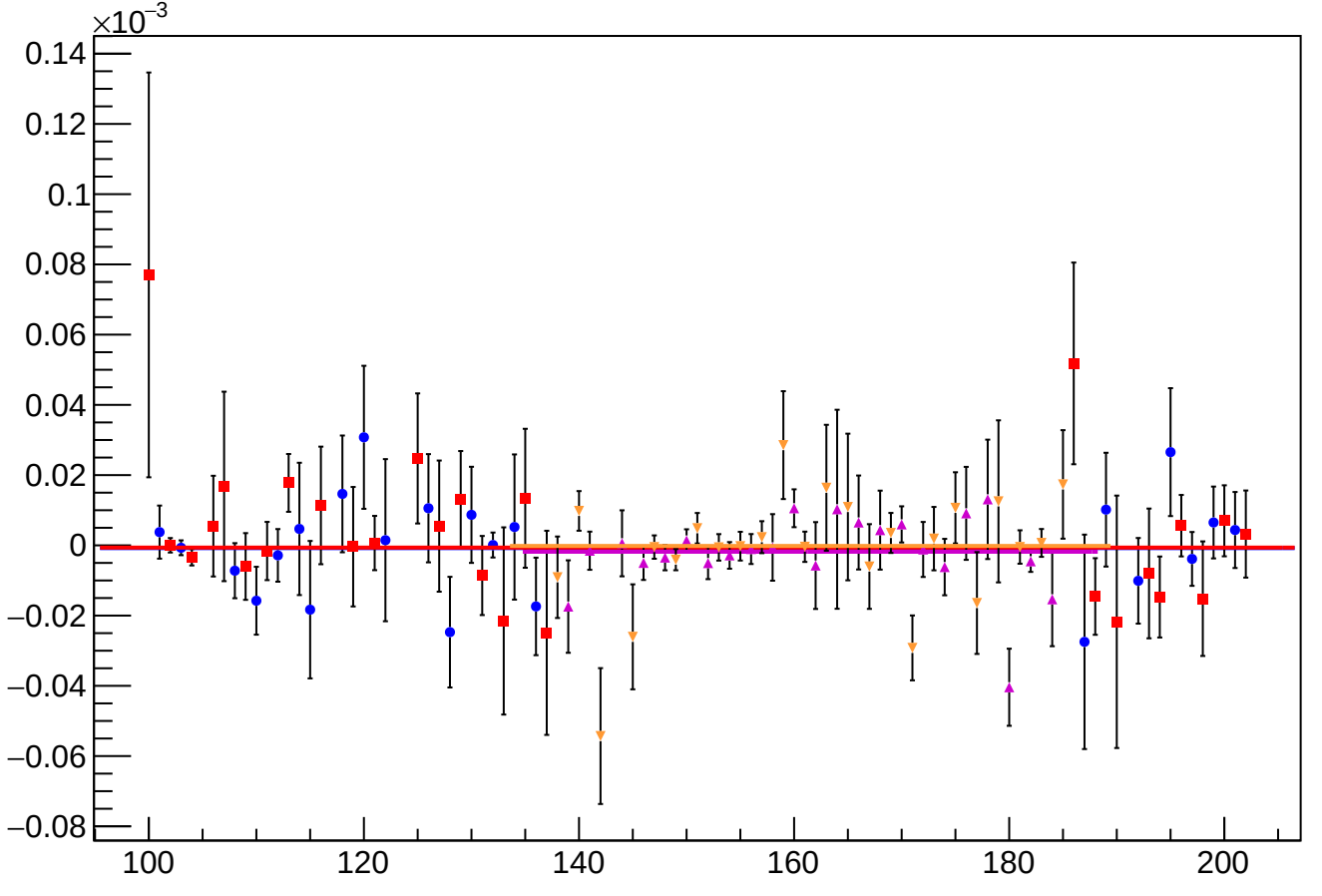
Right Out: 101.101+/-0.022 χ^2/NDF: 5436742.7/26

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.860+/-0.024 χ^2/NDF: 12150951.0/46

All: 144.464+/-0.015 χ^2/NDF: 31221509.0/96

- sign 131.050+/-0.020 χ^2/NDF: 17958273.0/49



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

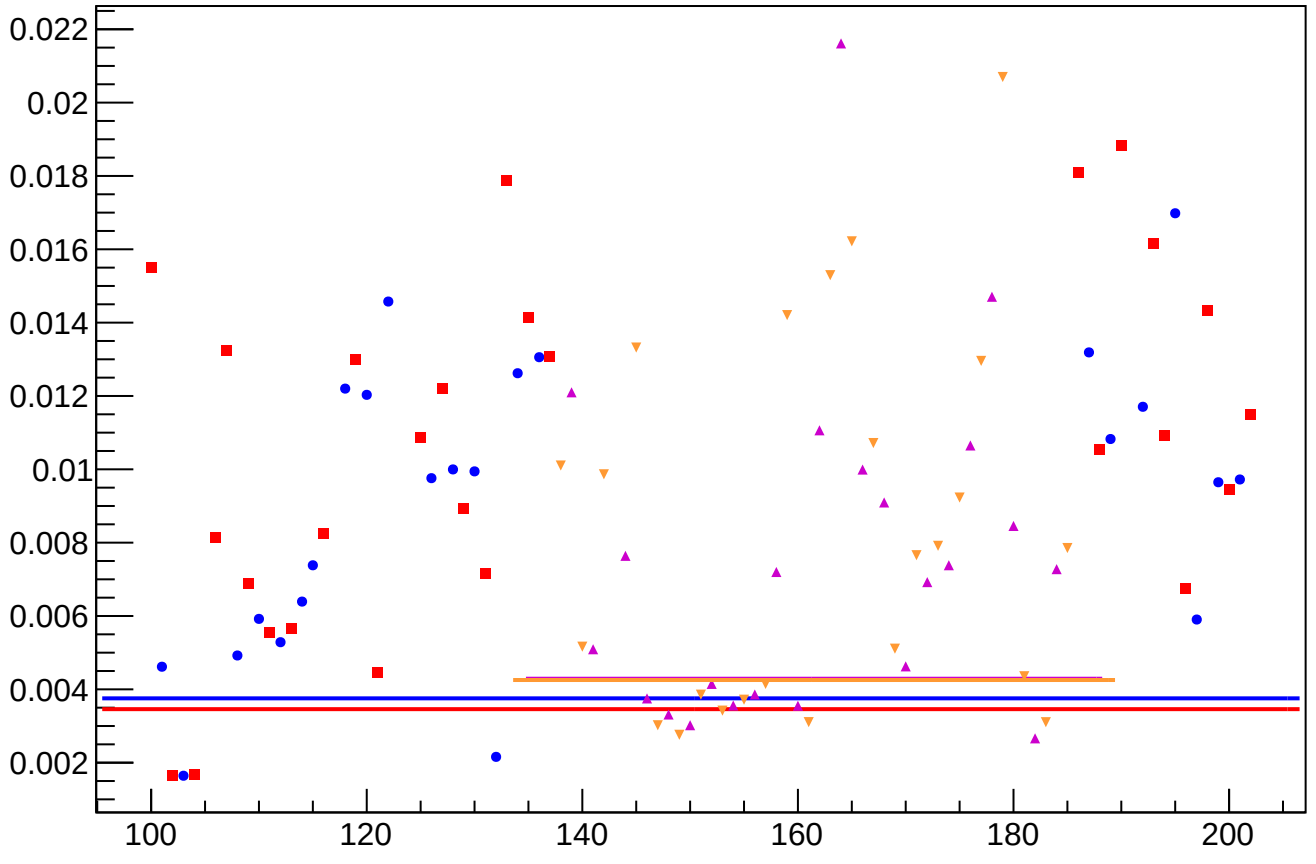
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/26

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.8/46

All: -0.000+/-0.000 χ^2/NDF: 107.9/96

- sign -0.000+/-0.000 χ^2/NDF: 52.7/49



Right In: 0.004+/-0.000 χ^2/NDF: 10248549.7/22

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 13489938.1/26

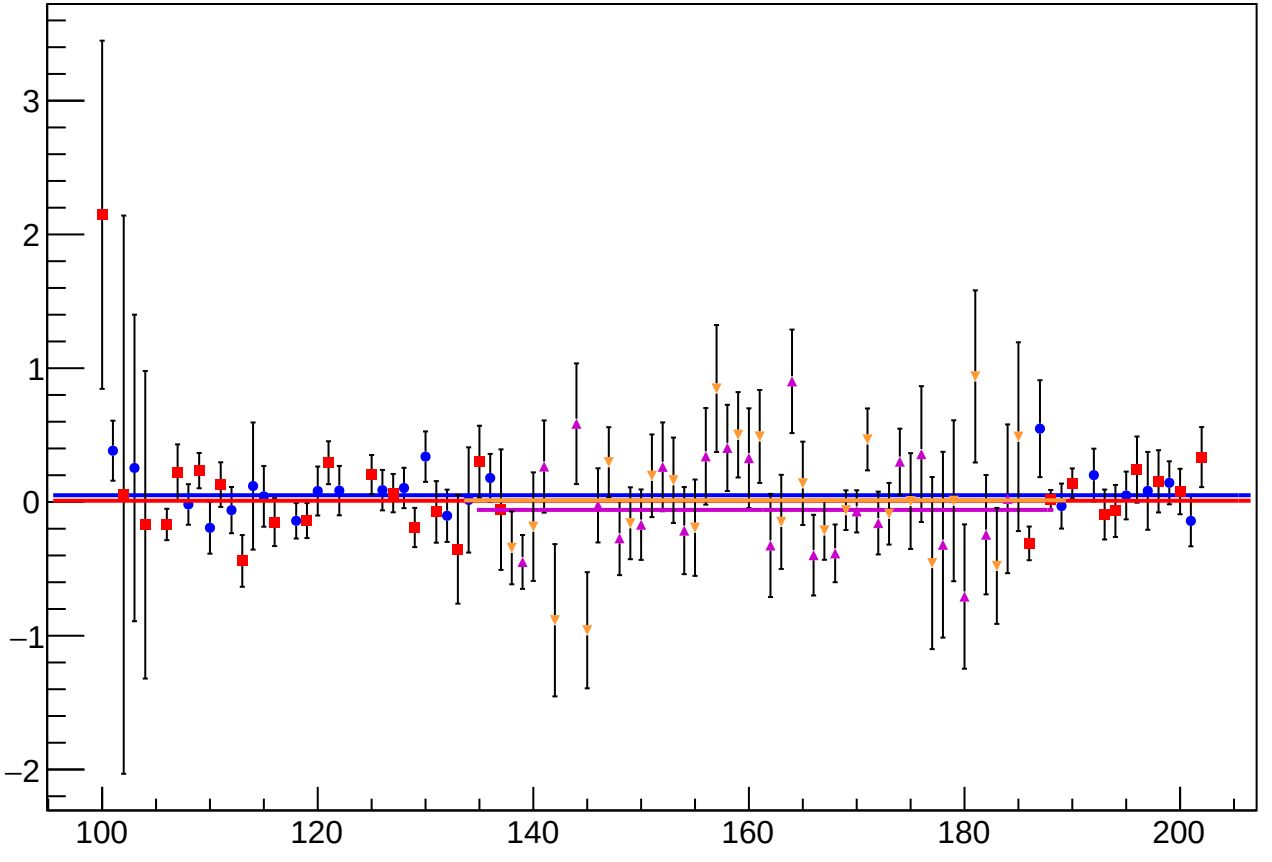
Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 18880360.8/46

All: 0.004+/-0.000 χ^2/NDF: 39427750.5/96

- sign 0.004+/-0.000 χ^2/NDF: 20522232.8/49

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.050+/-0.040 χ^2/NDF: 14.4/22

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

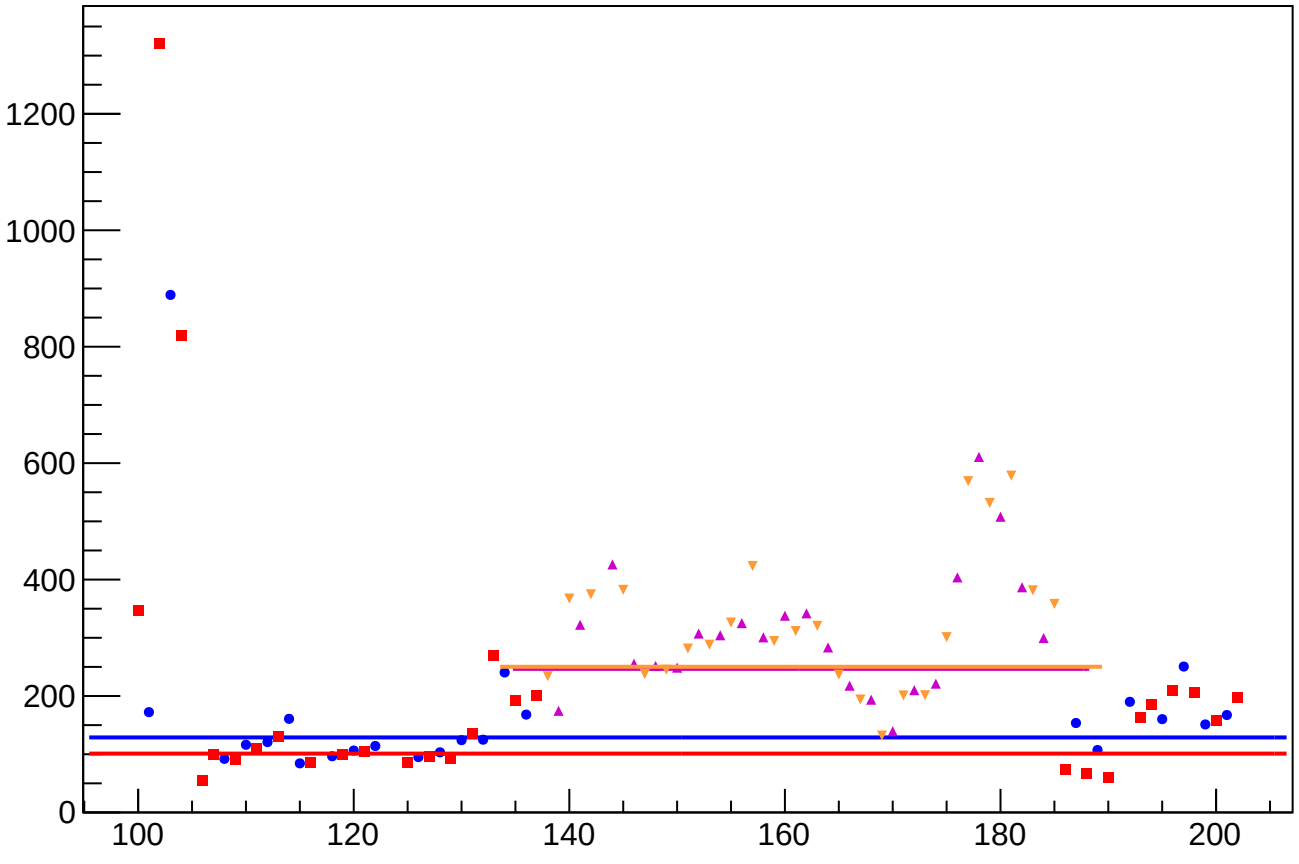
Right Out: 0.009+/-0.032 χ^2/NDF: 37.8/26

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.040+/-0.034 χ^2/NDF: 43.9/46

All: 0.013+/-0.022 χ^2/NDF: 111.7/96

- sign -0.005+/-0.028 χ^2/NDF: 66.7/49



Right In: 128.877+/-0.028 χ^2/NDF: 2515853.1/22

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 101.096+/-0.022 χ^2/NDF: 5437268.3/26

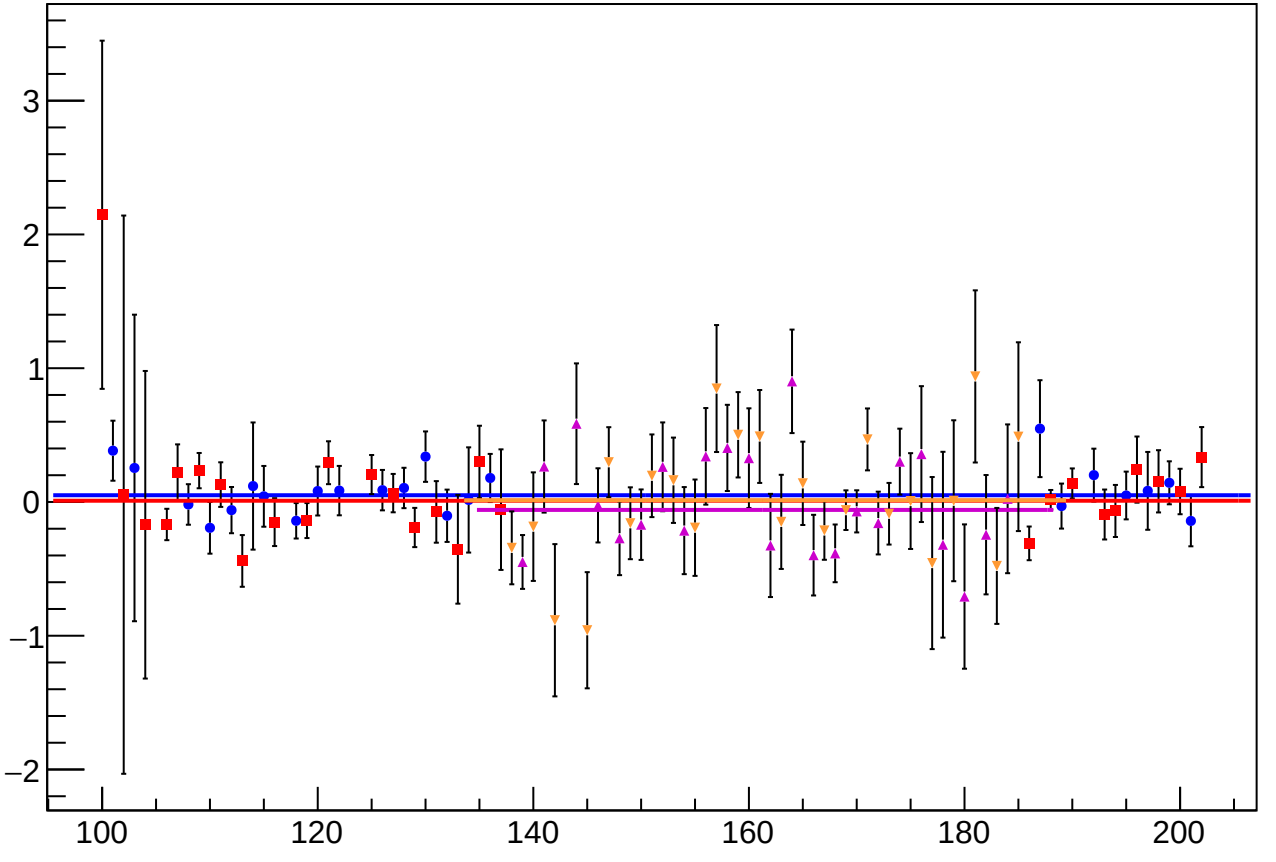
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.859+/-0.024 χ^2/NDF: 12151211.7/46

All: 144.460+/-0.015 χ^2/NDF: 31223442.1/96

- sign 131.045+/-0.020 χ^2/NDF: 17959624.3/49

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.050+/-0.040 χ^2/NDF: 14.4/22

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

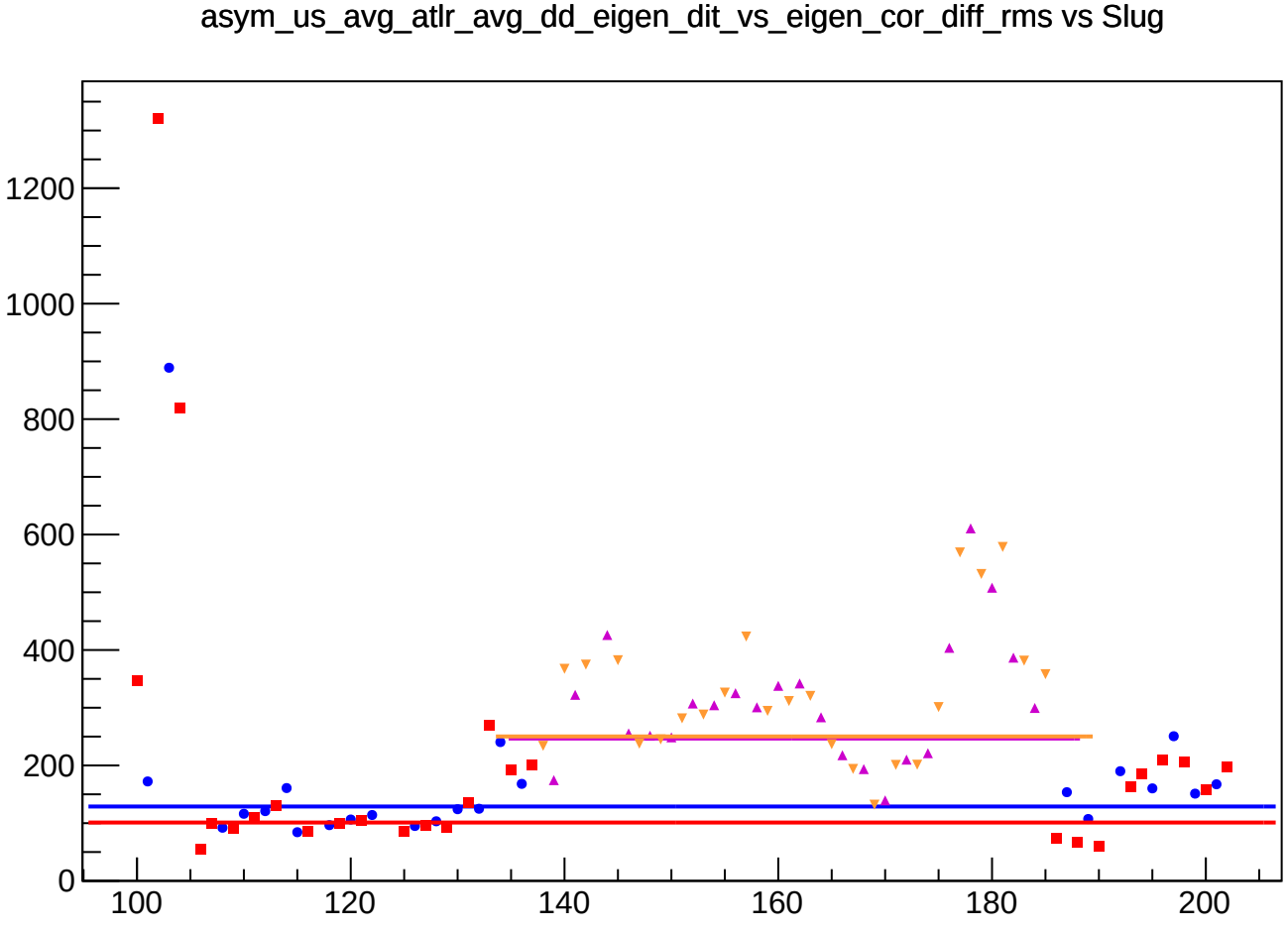
Right Out: 0.009+/-0.032 χ^2/NDF: 37.8/26

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.040+/-0.034 χ^2/NDF: 43.9/46

All: 0.013+/-0.022 χ^2/NDF: 111.7/96

- sign -0.005+/-0.028 χ^2/NDF: 66.7/49



Right In: 128.877+/-0.028 χ^2/NDF: 2515853.1/22

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

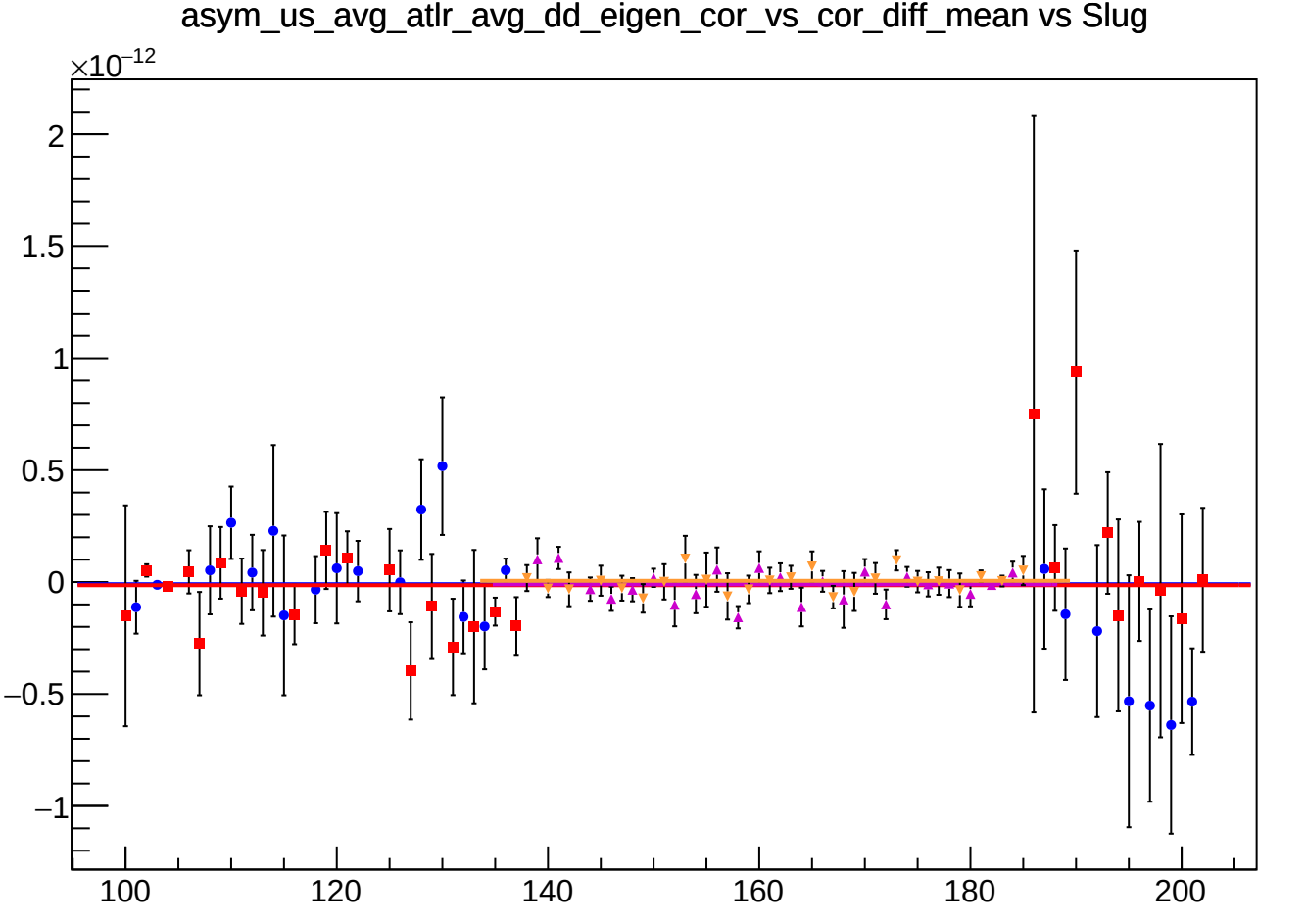
Right Out: 101.096+/-0.022 χ^2/NDF: 5437268.3/26

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.859+/-0.024 χ^2/NDF: 12151211.7/46

All: 144.460+/-0.015 χ^2/NDF: 31223442.1/96

- sign 131.045+/-0.020 χ^2/NDF: 17959624.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

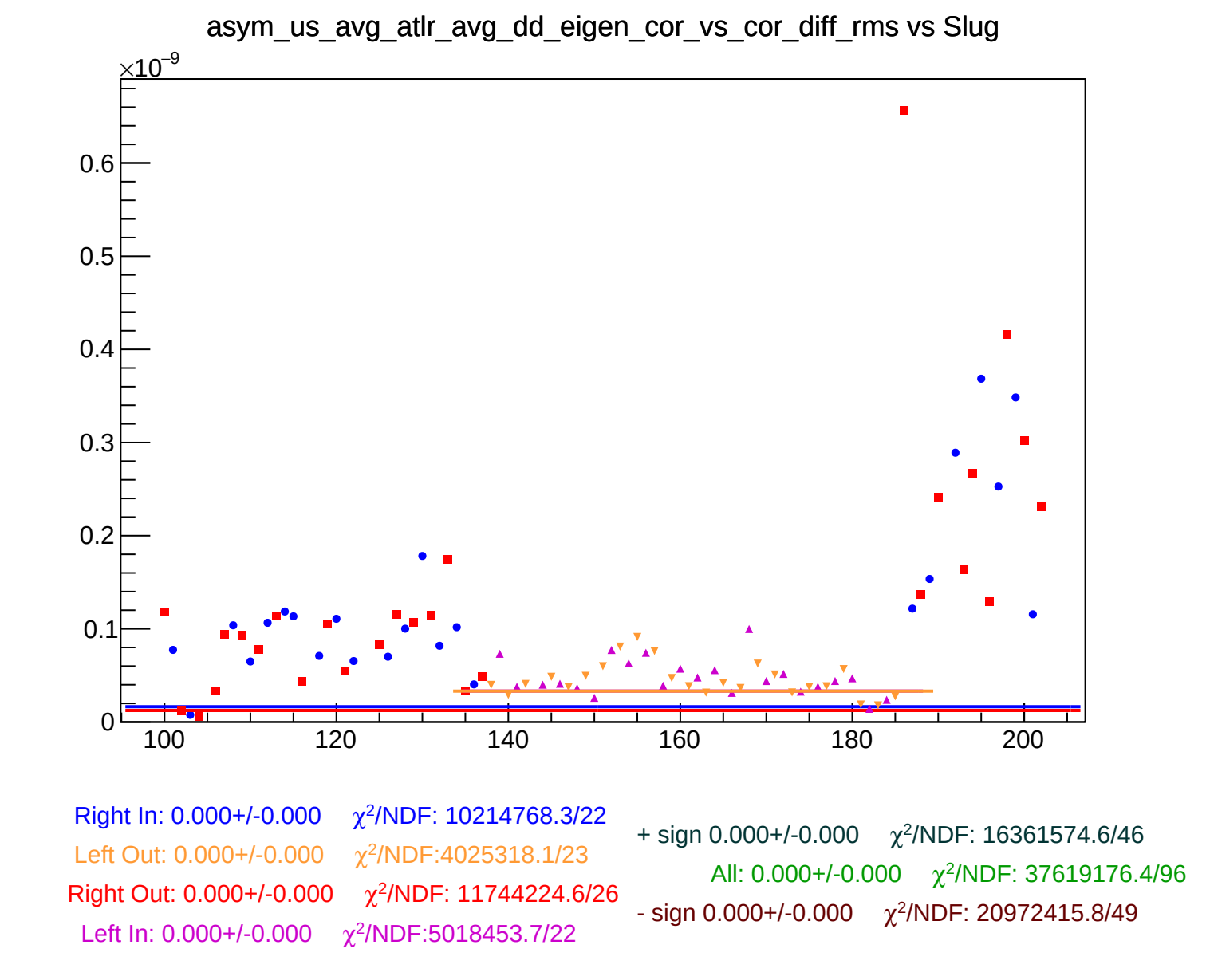
Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/26

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

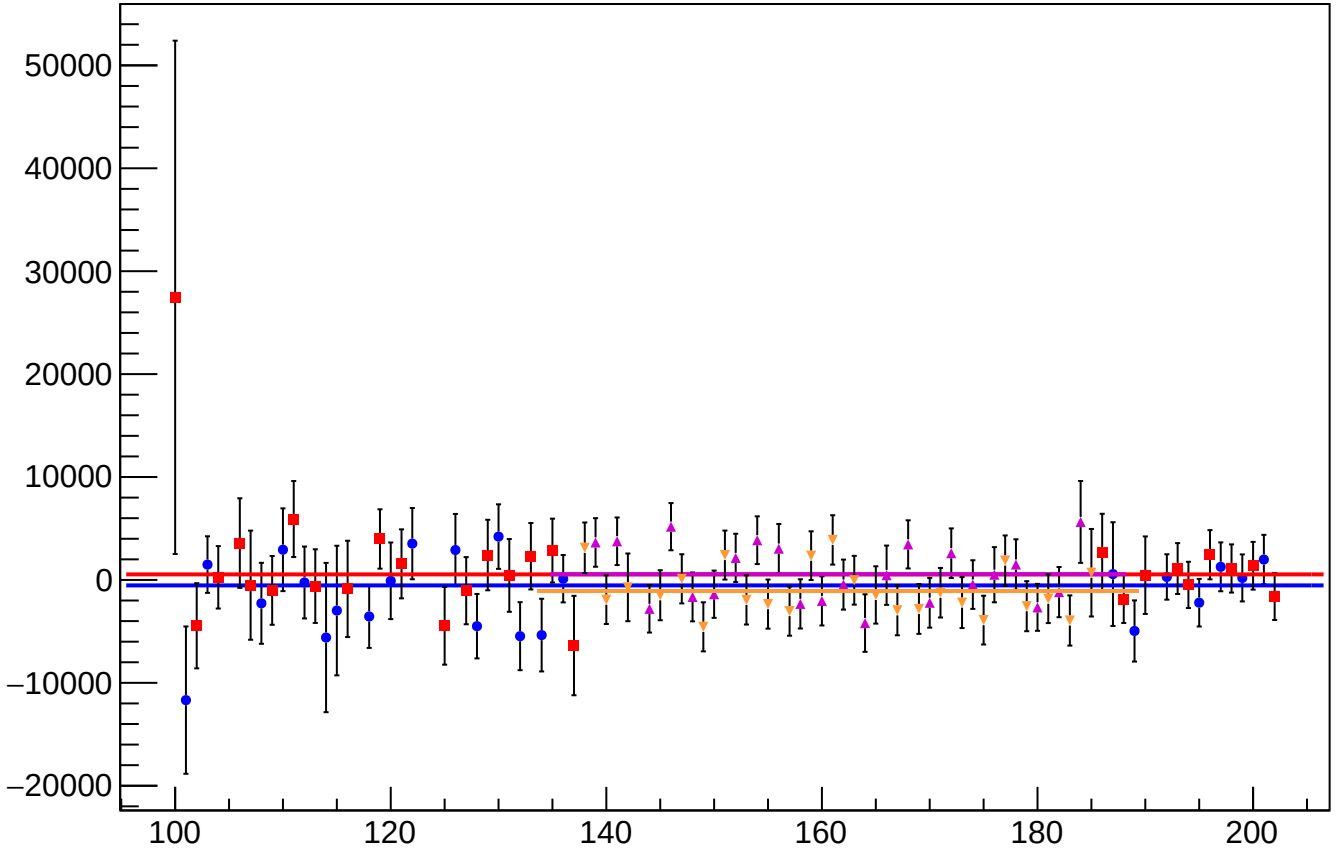
+ sign -0.000+/-0.000 χ^2/NDF: 37.3/46

All: -0.000+/-0.000 χ^2/NDF: 92.9/96

- sign -0.000+/-0.000 χ^2/NDF: 54.4/49


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 10214768.3/22
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 11744224.6/26
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
+ sign 0.000+/-0.000 χ²/NDF: 16361574.6/46
All: 0.000+/-0.000 χ²/NDF: 37619176.4/96
- sign 0.000+/-0.000 χ²/NDF: 20972415.8/49

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -531.488+/-645.339 χ^2/NDF: 20.7/22

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 538.038+/-603.206 χ^2/NDF: 15.8/26

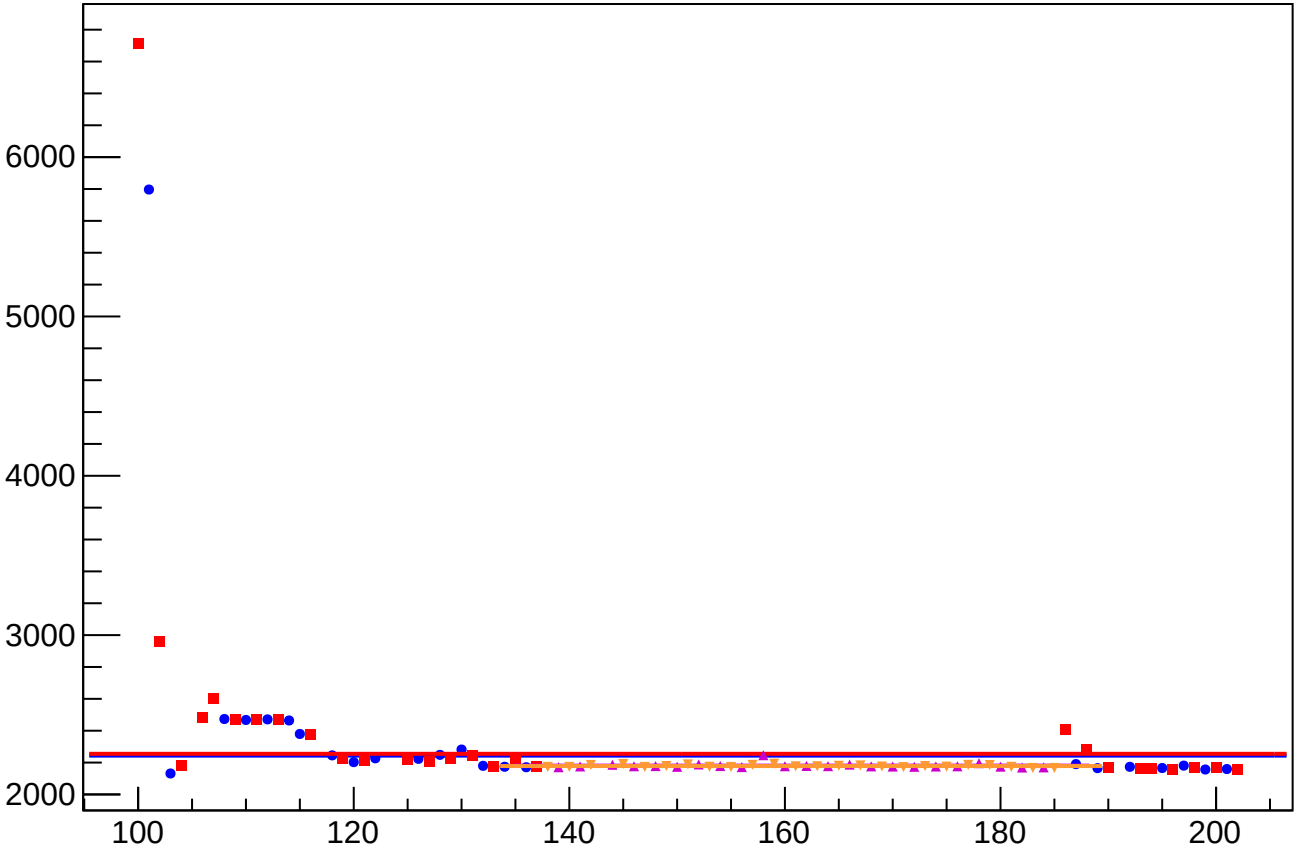
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -866.983+/-397.965 χ^2/NDF: 42.7/46

All: -142.978+/-278.218 χ^2/NDF: 93.6/96

- sign 549.141+/-389.103 χ^2/NDF: 44.4/49

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2243.745+/-0.456 χ^2/NDF: 537270.4/22

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2254.971+/-0.427 χ^2/NDF: 186949.5/26

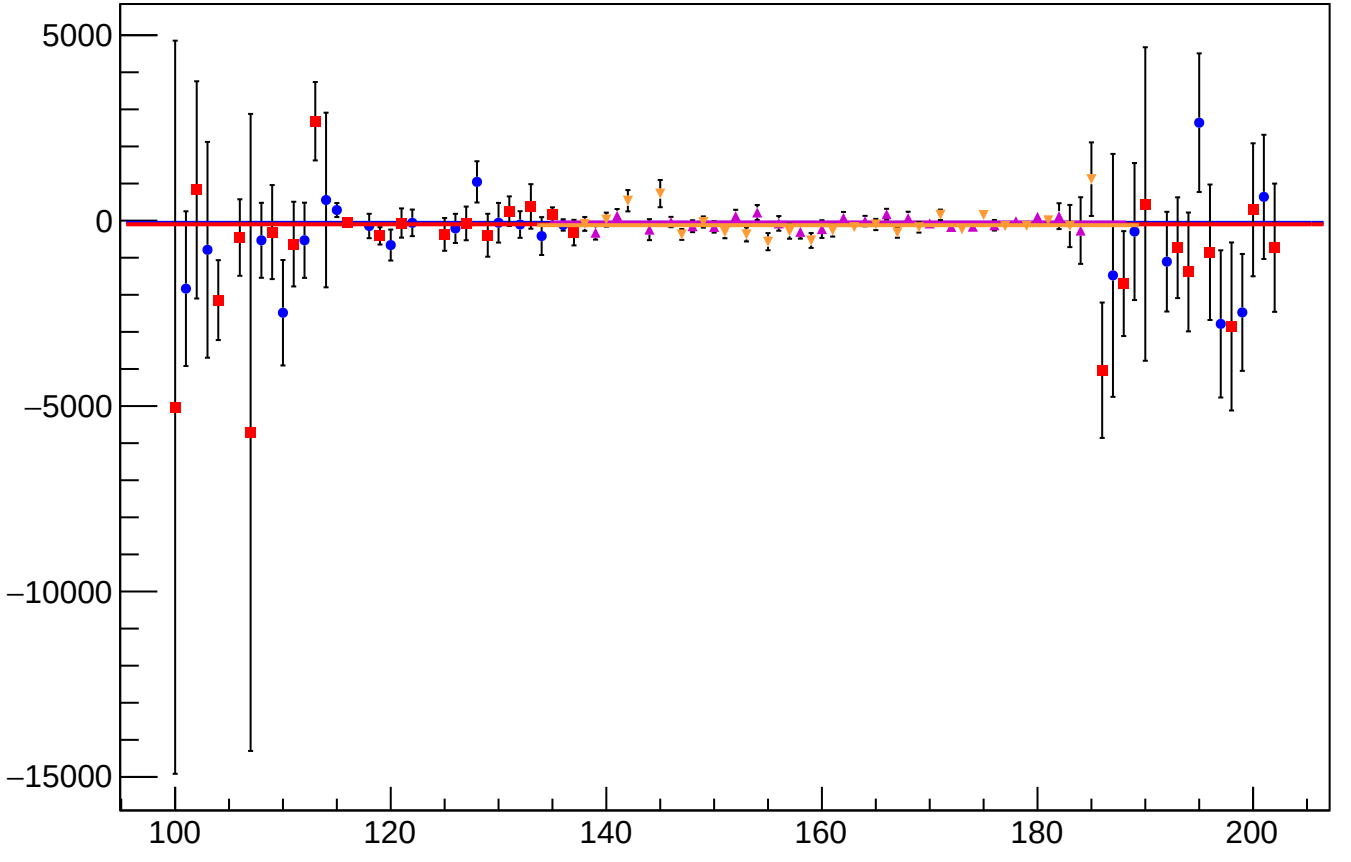
Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2203.154+/-0.281 χ^2/NDF: 550428.0/46

All: 2207.539+/-0.197 χ^2/NDF: 757318.8/96

- sign 2211.732+/-0.275 χ^2/NDF: 206415.7/49

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug



Right In: -59.679+/-90.085 χ^2/NDF: 21.7/22

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

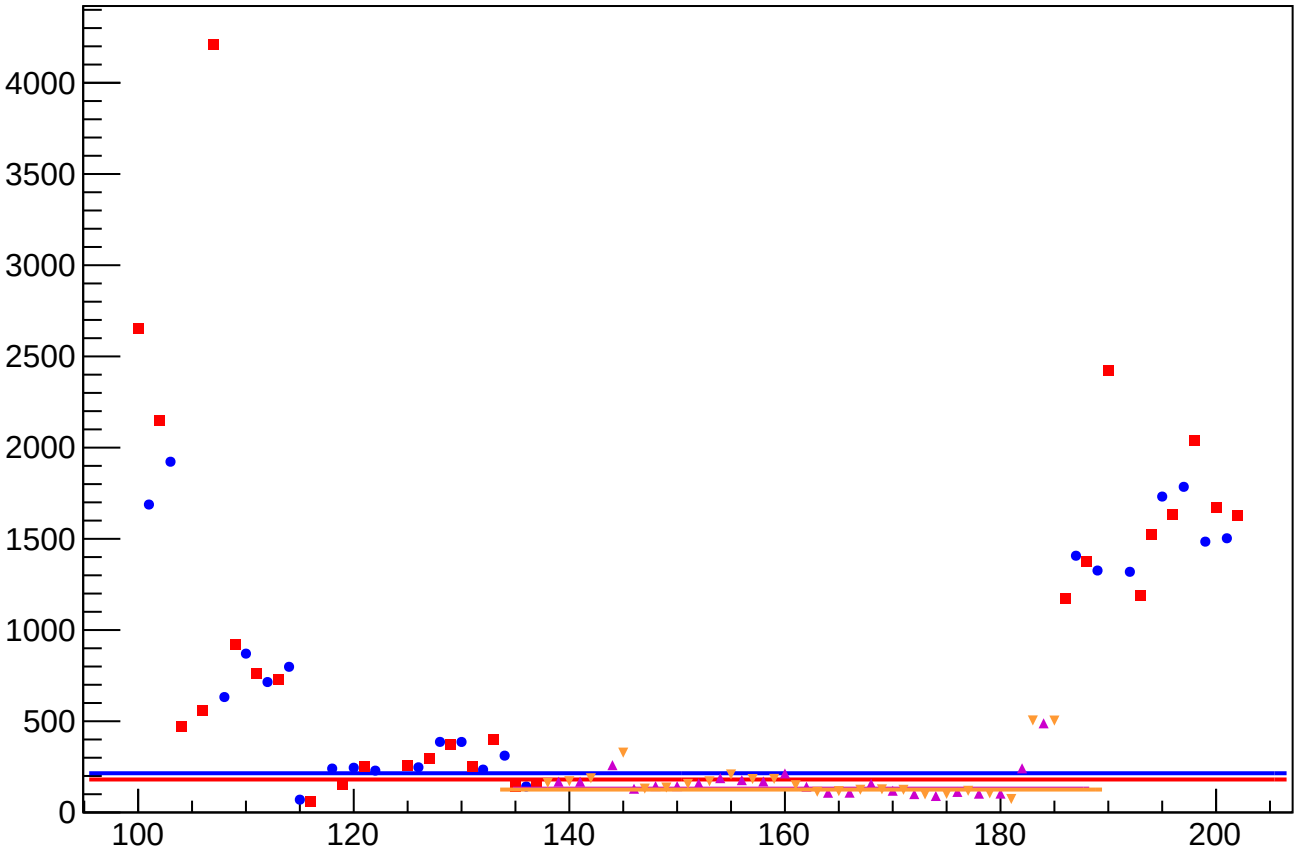
Right Out: -98.937+/-81.577 χ^2/NDF: 26.4/26

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -116.144+/-29.657 χ^2/NDF: 65.9/46

All: -87.132+/-21.170 χ^2/NDF: 112.8/96

- sign -56.992+/-30.228 χ^2/NDF: 44.9/49



Right In: 214.944+/-0.064 χ^2/NDF: 12587186.6/22

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 180.711+/-0.058 χ^2/NDF: 16841673.3/26

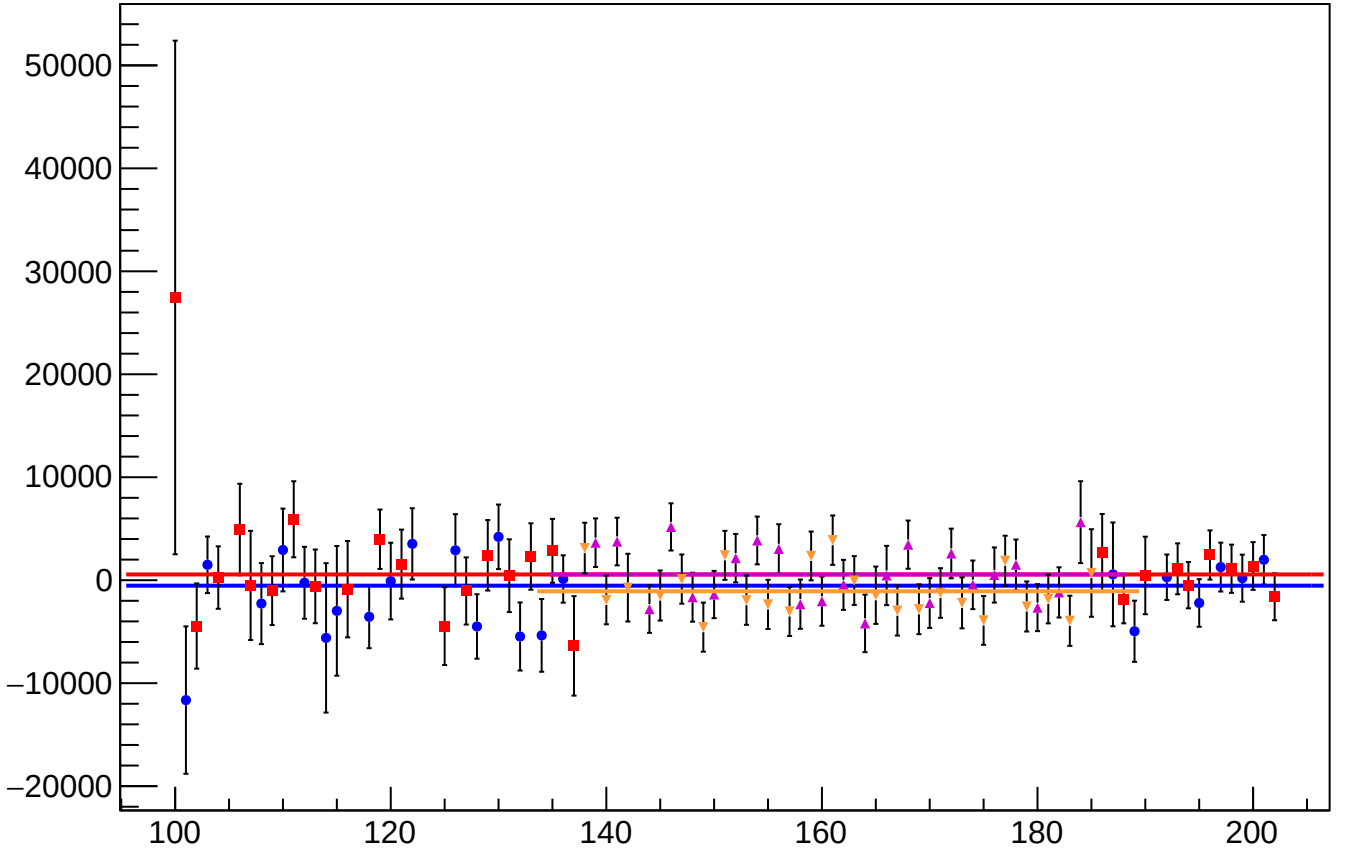
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 135.200+/-0.021 χ^2/NDF: 18287657.8/46

All: 136.249+/-0.015 χ^2/NDF: 38469441.4/96

- sign 137.339+/-0.021 χ^2/NDF: 20176679.0/49

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -530.931+/-645.339 χ^2/NDF: 20.6/22

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 560.514+/-603.446 χ^2/NDF: 16.2/26

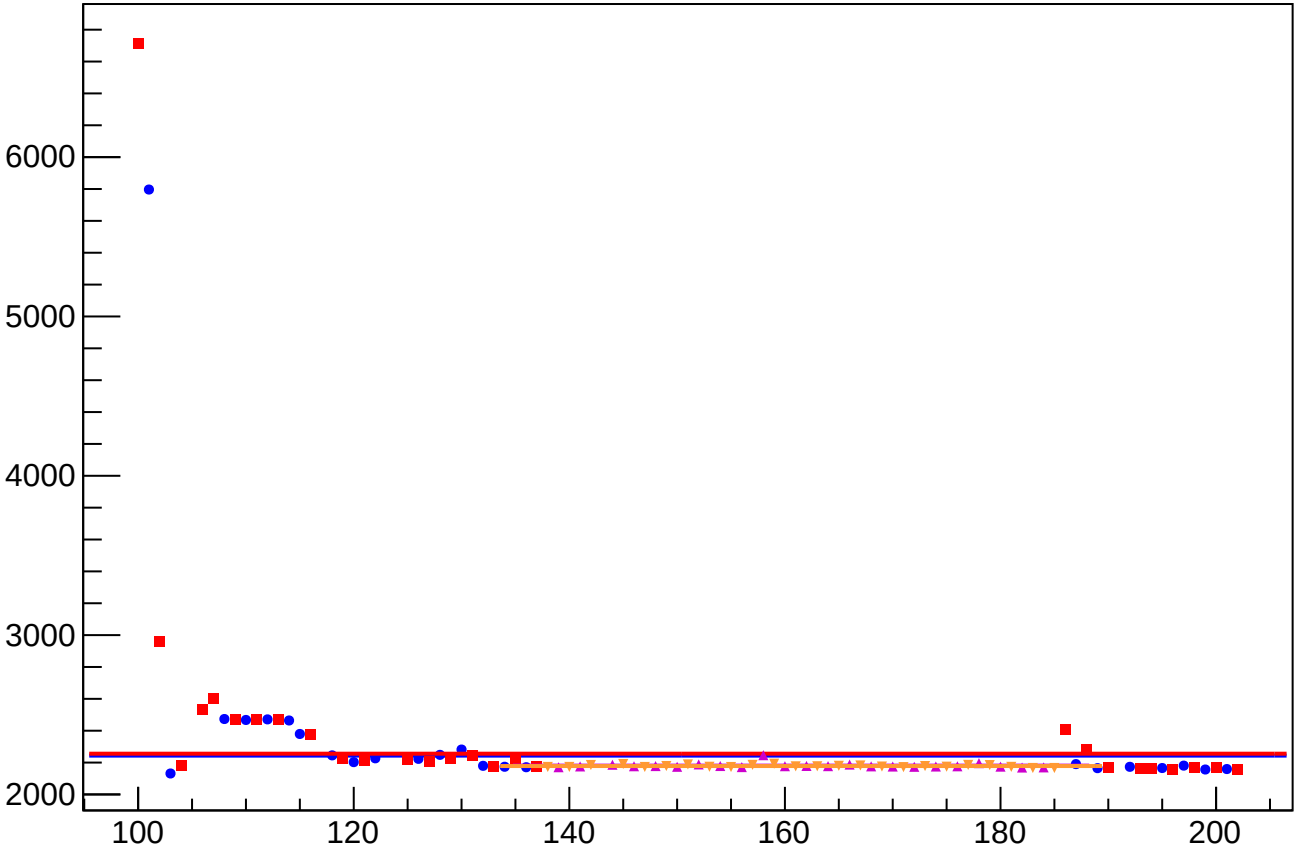
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -866.730+/-397.965 χ^2/NDF: 42.6/46

All: -138.183+/-278.241 χ^2/NDF: 94.1/96

- sign 558.508+/-389.167 χ^2/NDF: 44.9/49

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2243.745+/-0.456 χ^2/NDF: 537270.7/22

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

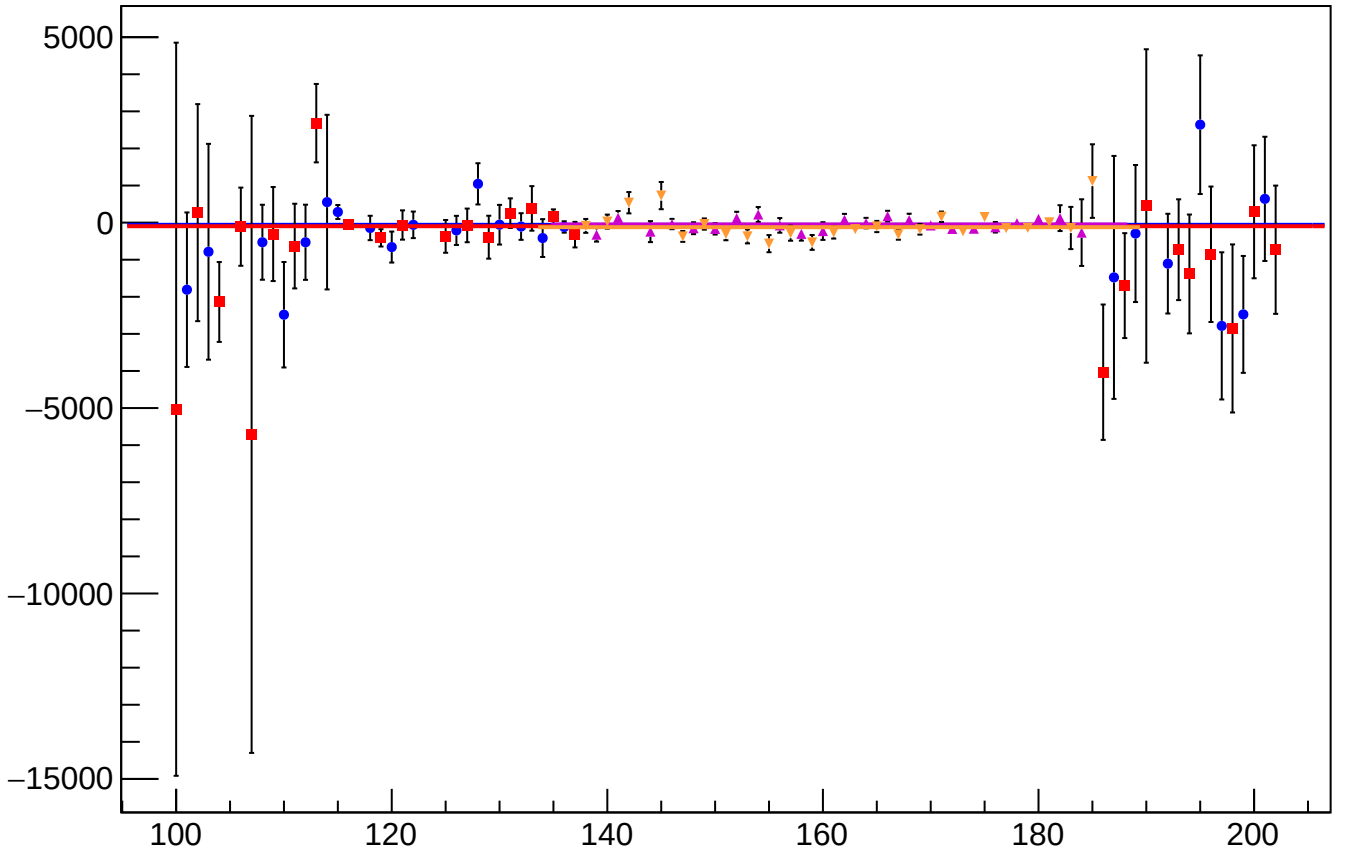
Right Out: 2255.723+/-0.427 χ^2/NDF: 189327.8/26

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2203.154+/-0.281 χ^2/NDF: 550428.3/46

All: 2207.691+/-0.197 χ^2/NDF: 760082.2/96

- sign 2212.031+/-0.275 χ^2/NDF: 209145.2/49



Right In: -59.713+/-90.090 χ^2/NDF: 21.7/22

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

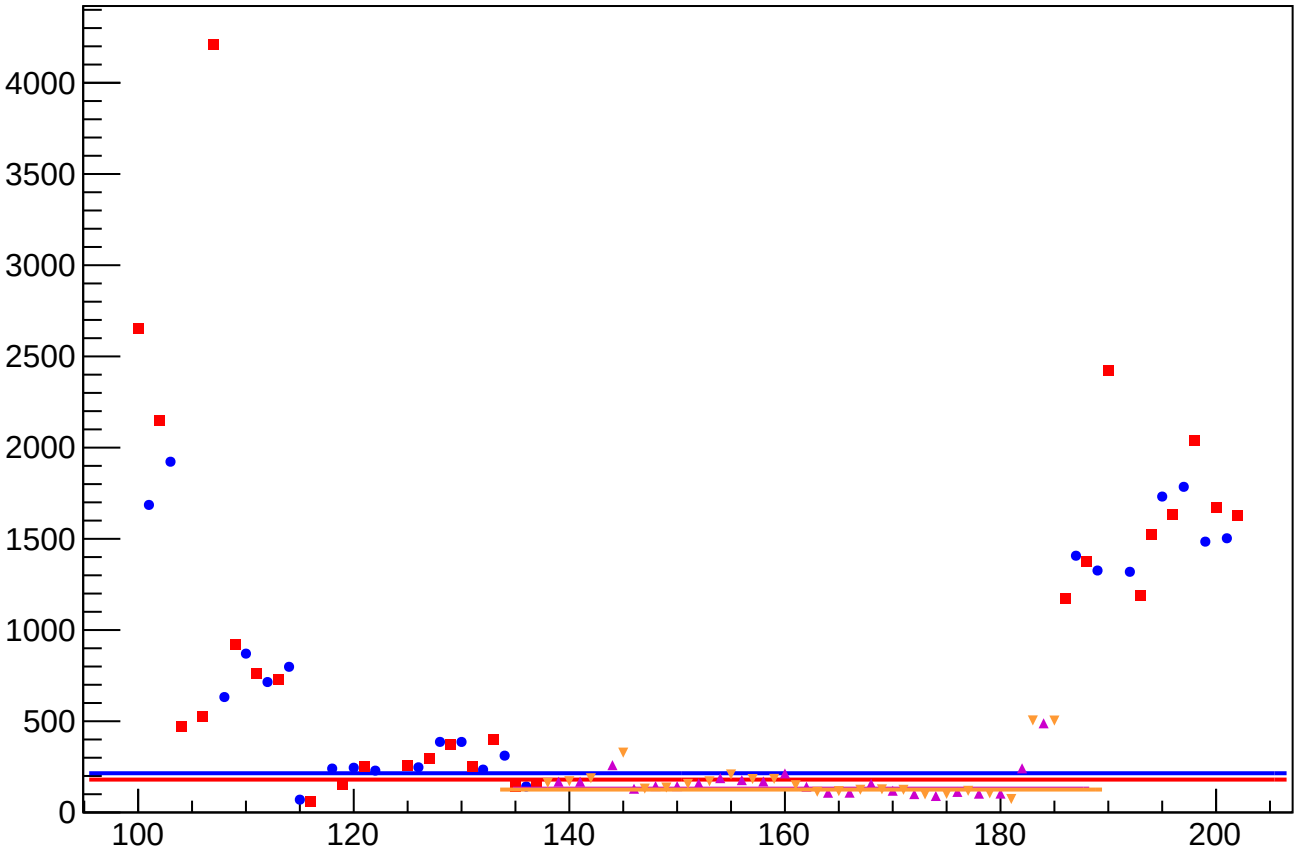
Right Out: -96.939+/-81.517 χ^2/NDF: 26.1/26

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.077+/-29.657 χ^2/NDF: 65.9/46

All: -86.922+/-21.170 χ^2/NDF: 112.6/96

- sign -56.635+/-30.228 χ^2/NDF: 44.7/49



Right In: 214.971+/-0.064 χ^2/NDF: 12585771.6/22

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

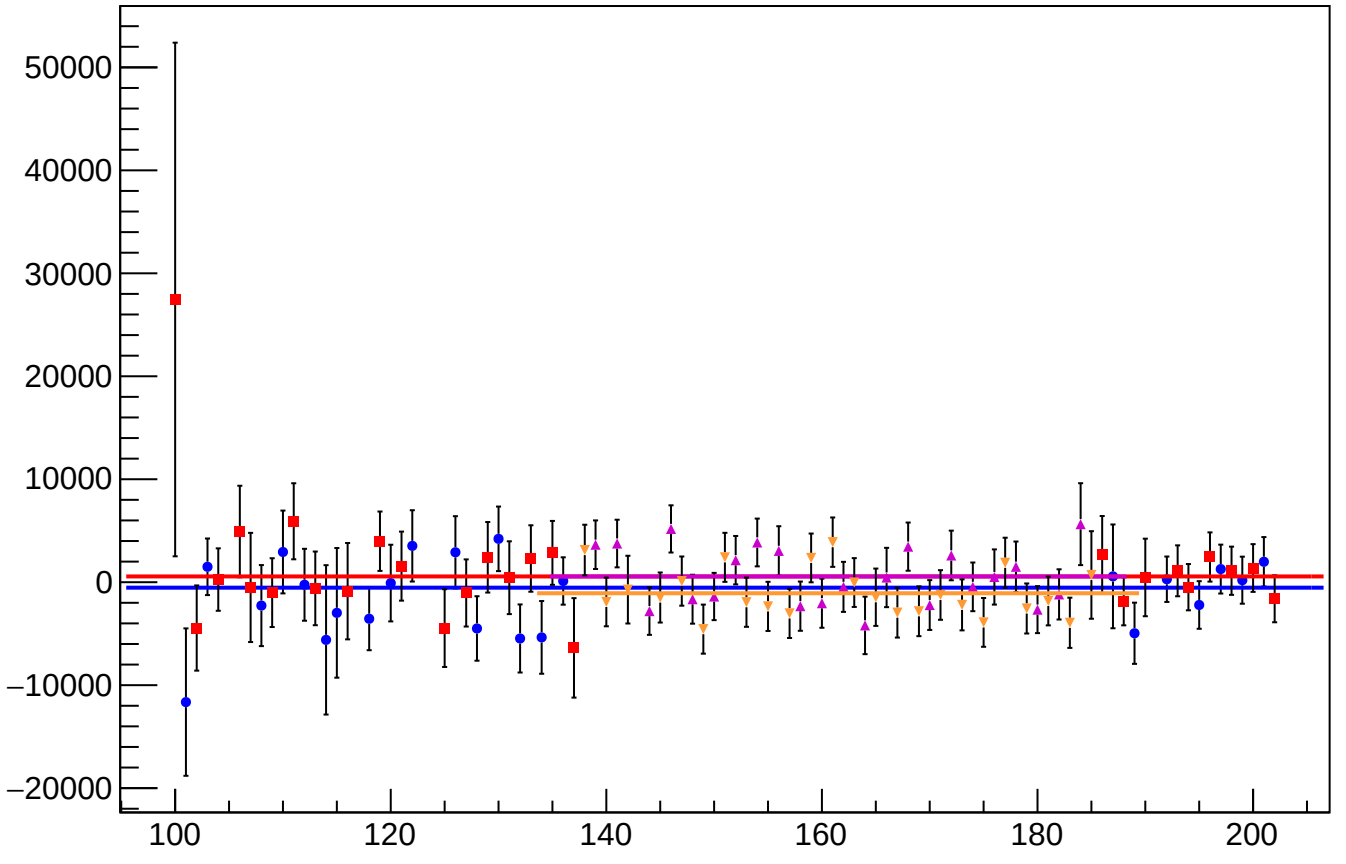
Right Out: 180.128+/-0.058 χ^2/NDF: 16804829.5/26

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 135.198+/-0.021 χ^2/NDF: 18288077.0/46

All: 136.220+/-0.015 χ^2/NDF: 38417734.9/96

- sign 137.282+/-0.021 χ^2/NDF: 20124816.9/49



Right In: -530.931+/-645.339 χ^2/NDF: 20.6/22

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 560.514+/-603.446 χ^2/NDF: 16.2/26

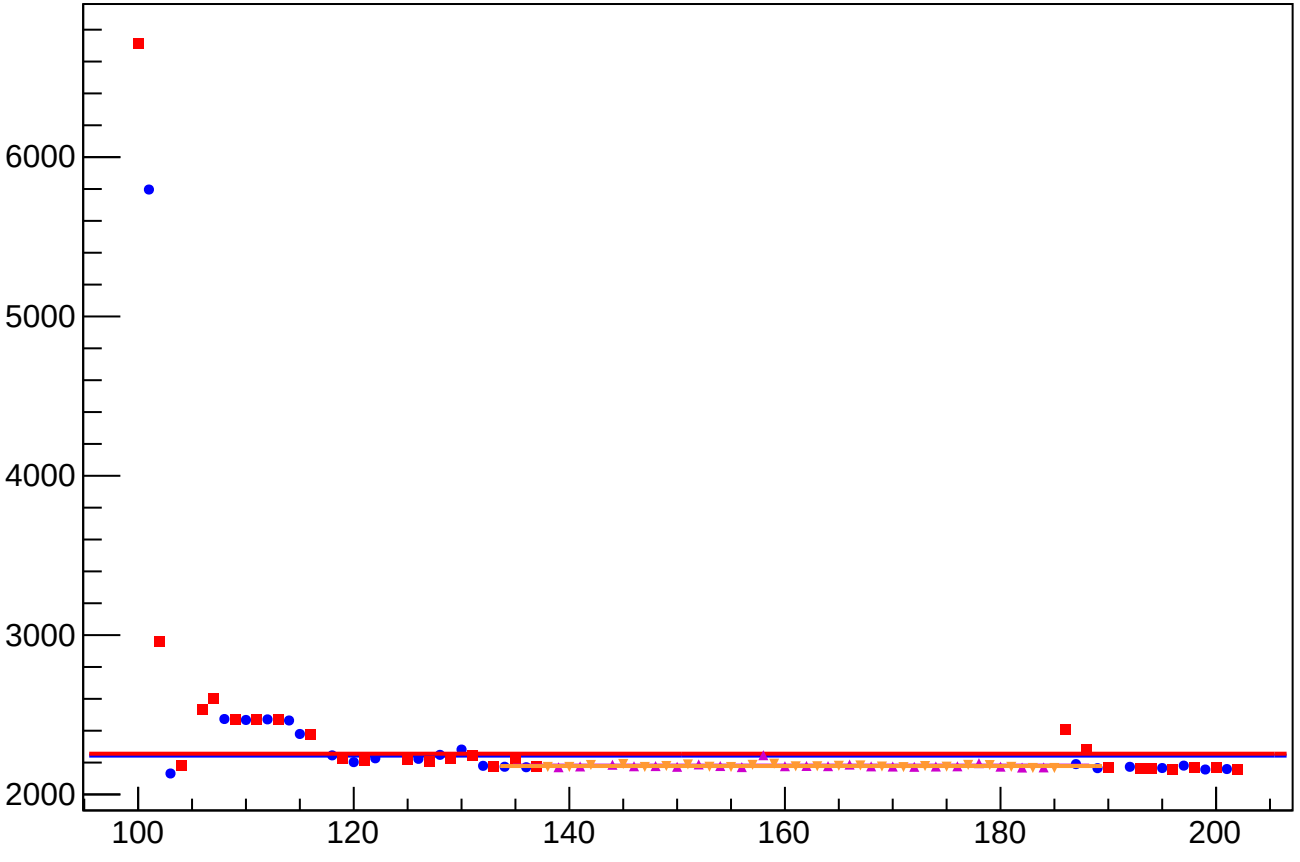
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -866.730+/-397.965 χ^2/NDF: 42.6/46

All: -138.183+/-278.241 χ^2/NDF: 94.1/96

- sign 558.508+/-389.167 χ^2/NDF: 44.9/49

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2243.745+/-0.456 χ^2/NDF: 537270.7/22

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

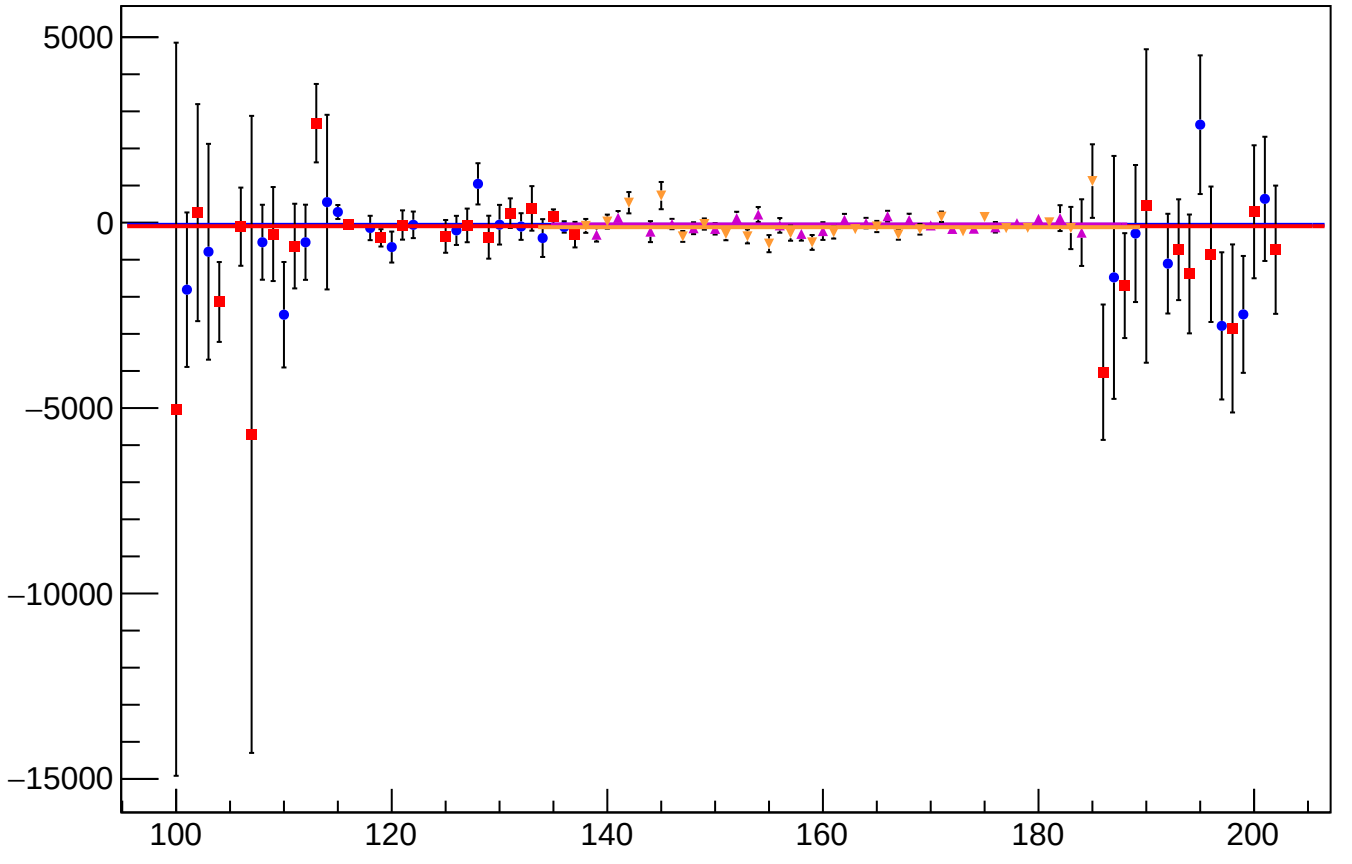
Right Out: 2255.723+/-0.427 χ^2/NDF: 189327.8/26

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2203.154+/-0.281 χ^2/NDF: 550428.3/46

All: 2207.691+/-0.197 χ^2/NDF: 760082.2/96

- sign 2212.031+/-0.275 χ^2/NDF: 209145.2/49



Right In: -59.713+/-90.090 χ^2/NDF: 21.7/22

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

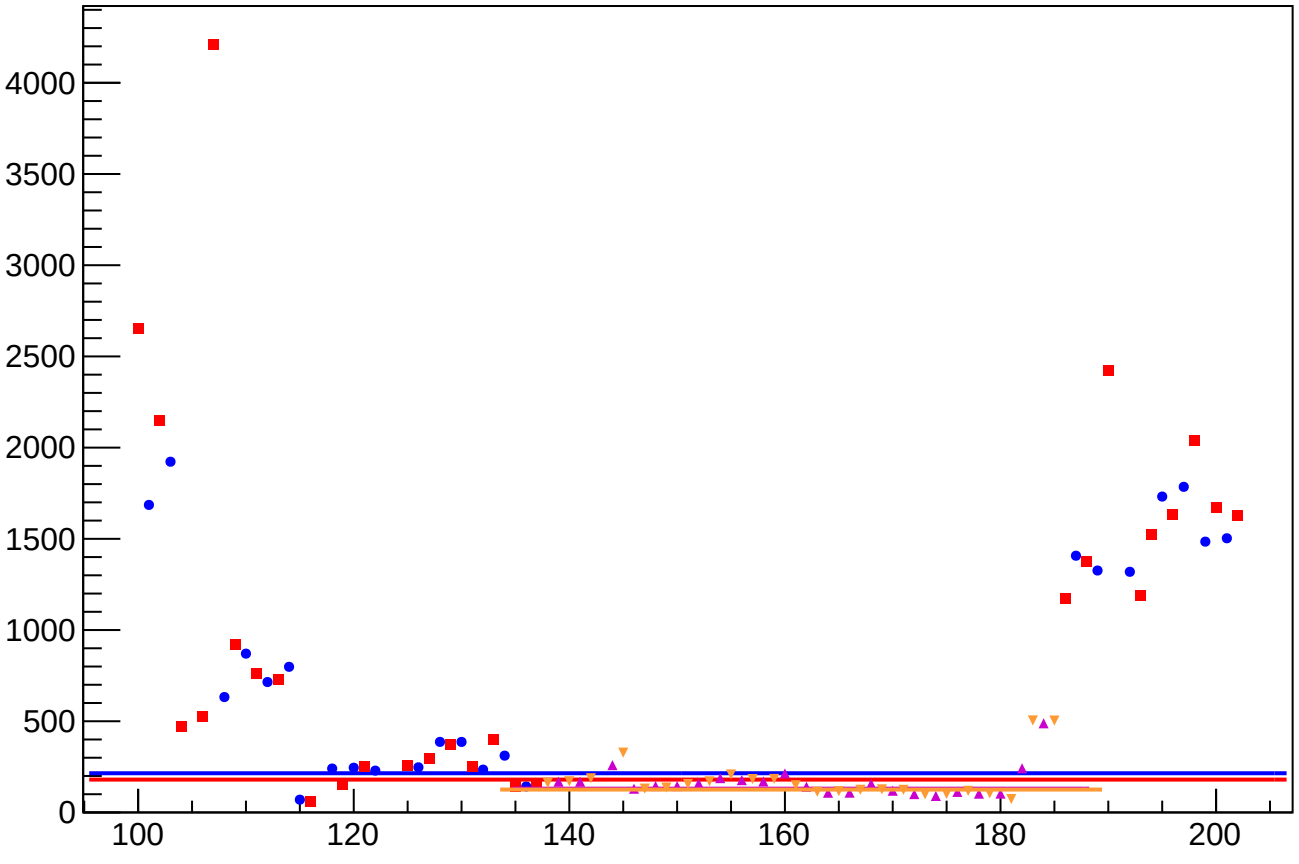
Right Out: -96.939+/-81.517 χ^2/NDF: 26.1/26

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.077+/-29.657 χ^2/NDF: 65.9/46

All: -86.922+/-21.170 χ^2/NDF: 112.6/96

- sign -56.635+/-30.228 χ^2/NDF: 44.7/49



Right In: 214.971+/-0.064 χ^2/NDF: 12585771.6/22

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 180.128+/-0.058 χ^2/NDF: 16804829.5/26

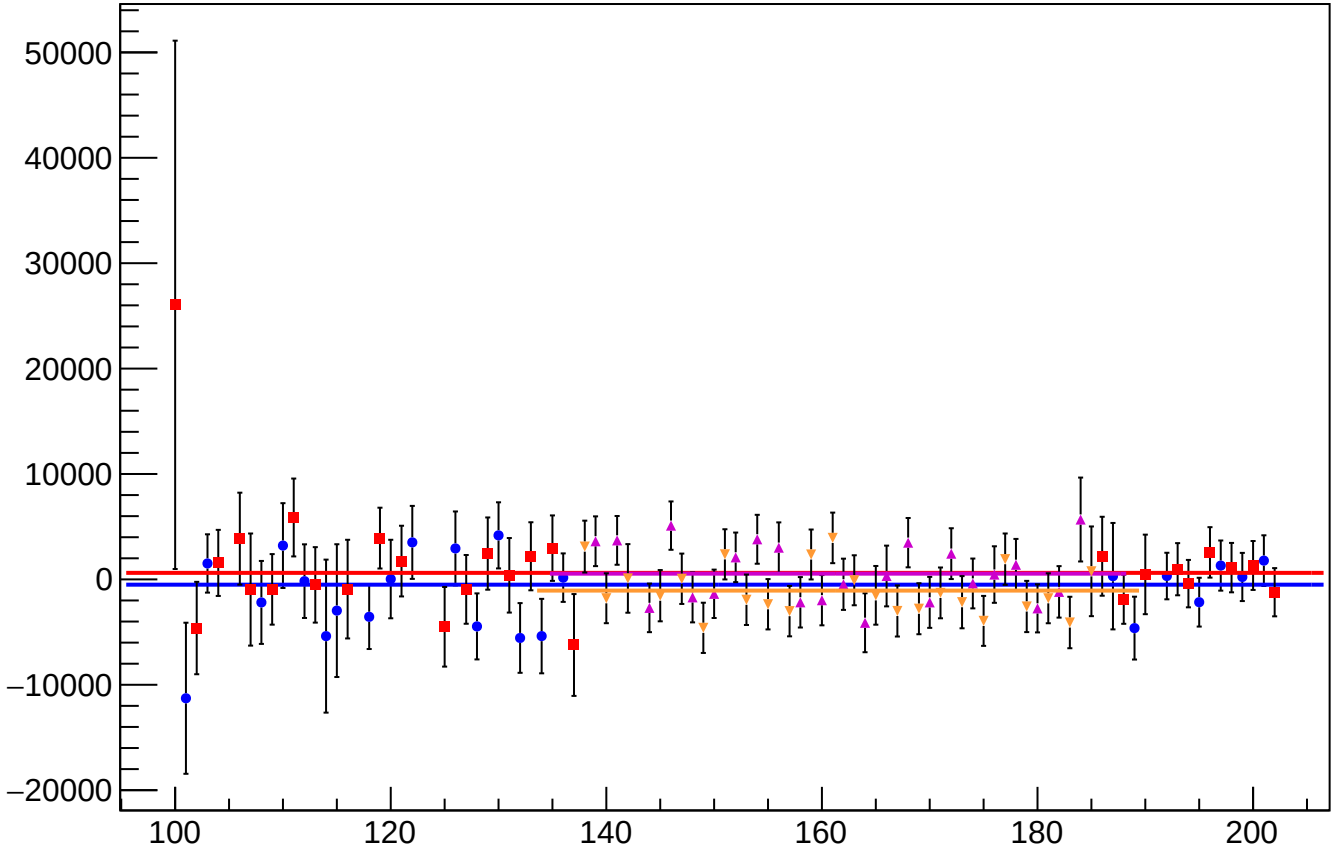
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 135.198+/-0.021 χ^2/NDF: 18288077.0/46

All: 136.220+/-0.015 χ^2/NDF: 38417734.9/96

- sign 137.282+/-0.021 χ^2/NDF: 20124816.9/49

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -502.014+/-646.130 χ^2/NDF: 20.1/22

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 618.702+/-605.264 χ^2/NDF: 15.2/26

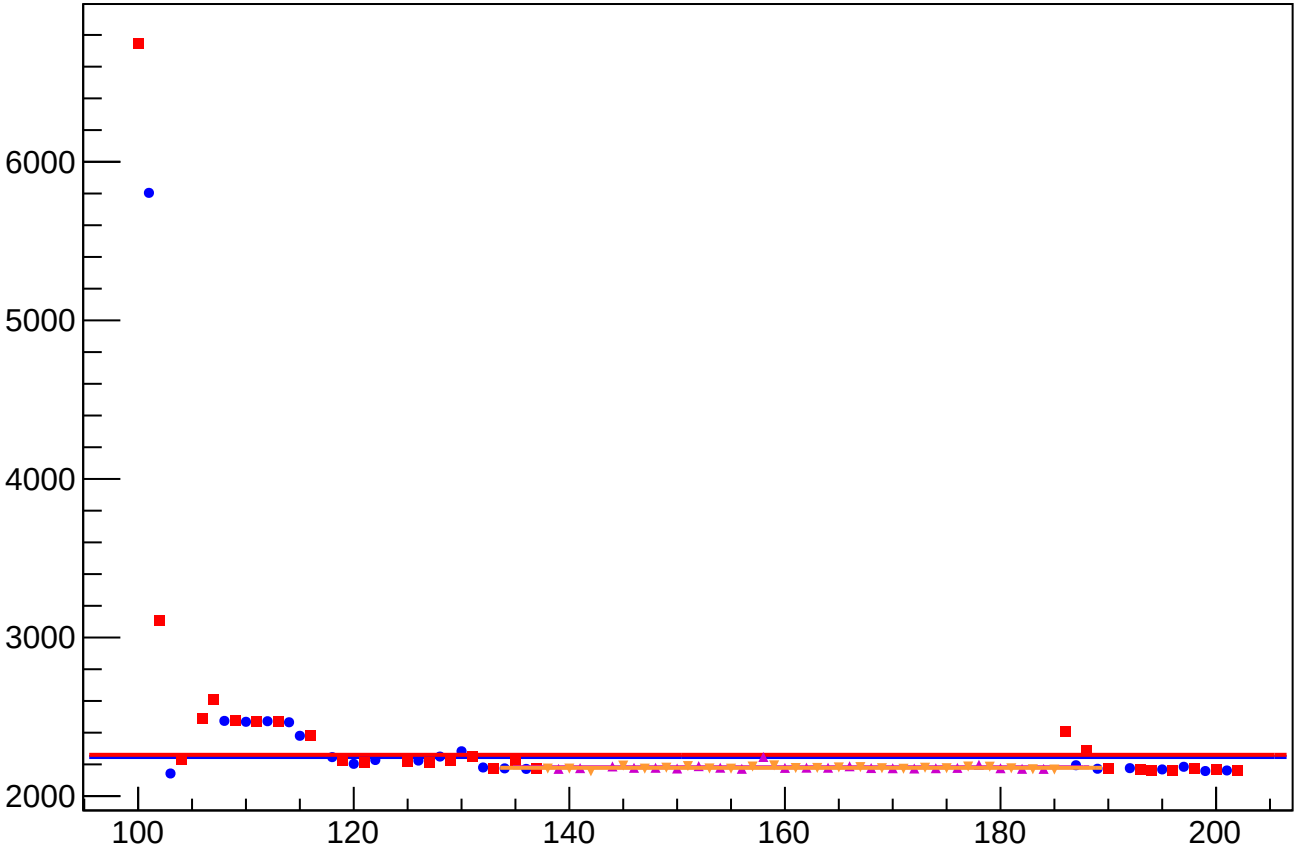
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -849.549+/-398.195 χ^2/NDF: 42.4/46

All: -121.950+/-278.534 χ^2/NDF: 92.1/96

- sign 575.129+/-389.754 χ^2/NDF: 43.1/49

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2246.371+/-0.457 χ^2/NDF: 536473.8/22

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

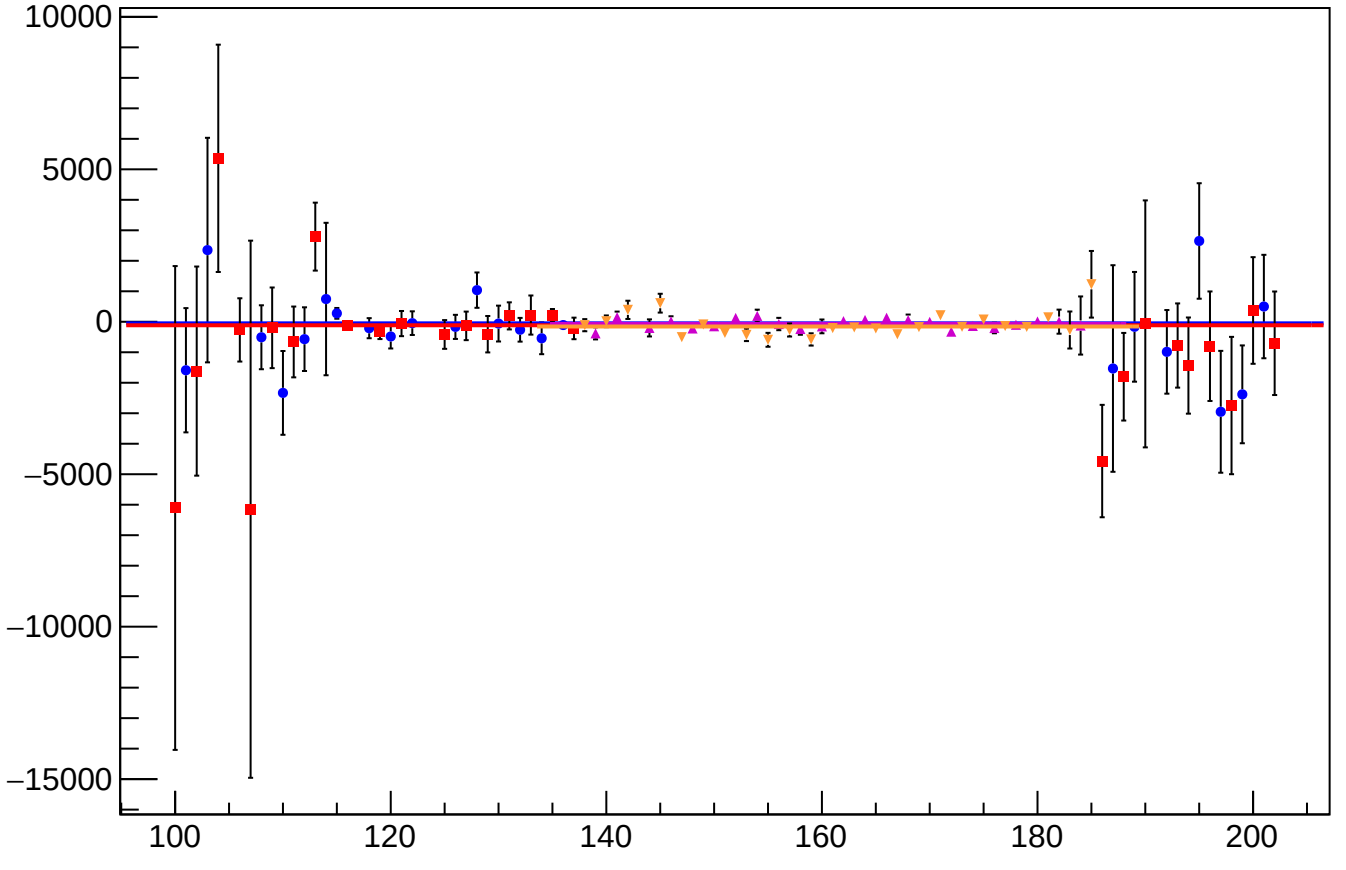
Right Out: 2260.418+/-0.428 χ^2/NDF: 204507.2/26

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2204.279+/-0.282 χ^2/NDF: 550615.0/46

All: 2209.473+/-0.197 χ^2/NDF: 777336.1/96

- sign 2214.448+/-0.276 χ^2/NDF: 226055.0/49



Right In: -51.626+/-91.556 χ^2/NDF: 21.1/22

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -114.423+/-85.163 χ^2/NDF: 24.9/26

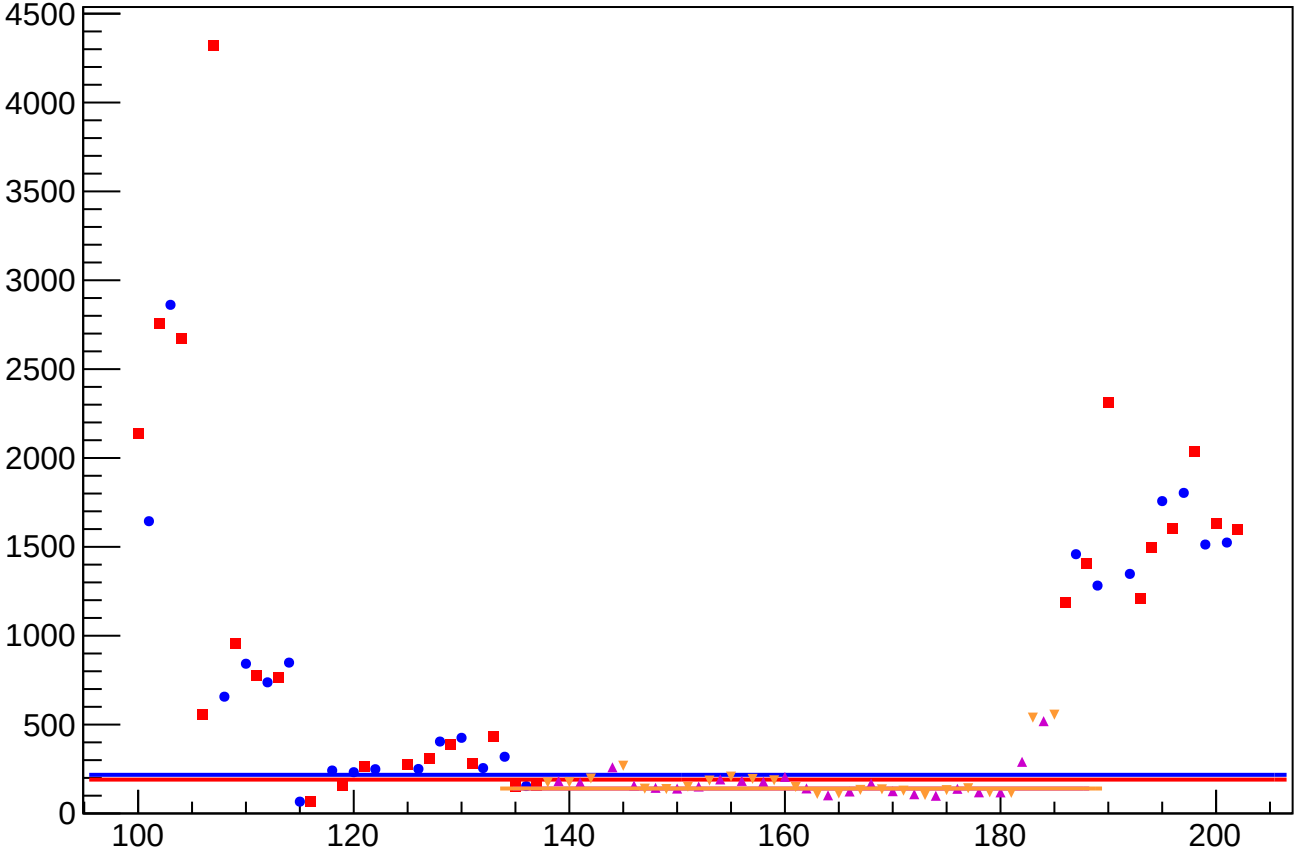
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -142.191+/-31.923 χ^2/NDF: 69.5/46

All: -109.052+/-22.508 χ^2/NDF: 115.7/96

- sign -76.292+/-31.740 χ^2/NDF: 44.1/49

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 217.354+/-0.065 χ^2/NDF: 13155758.9/22

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 190.513+/-0.060 χ^2/NDF: 17626506.0/26

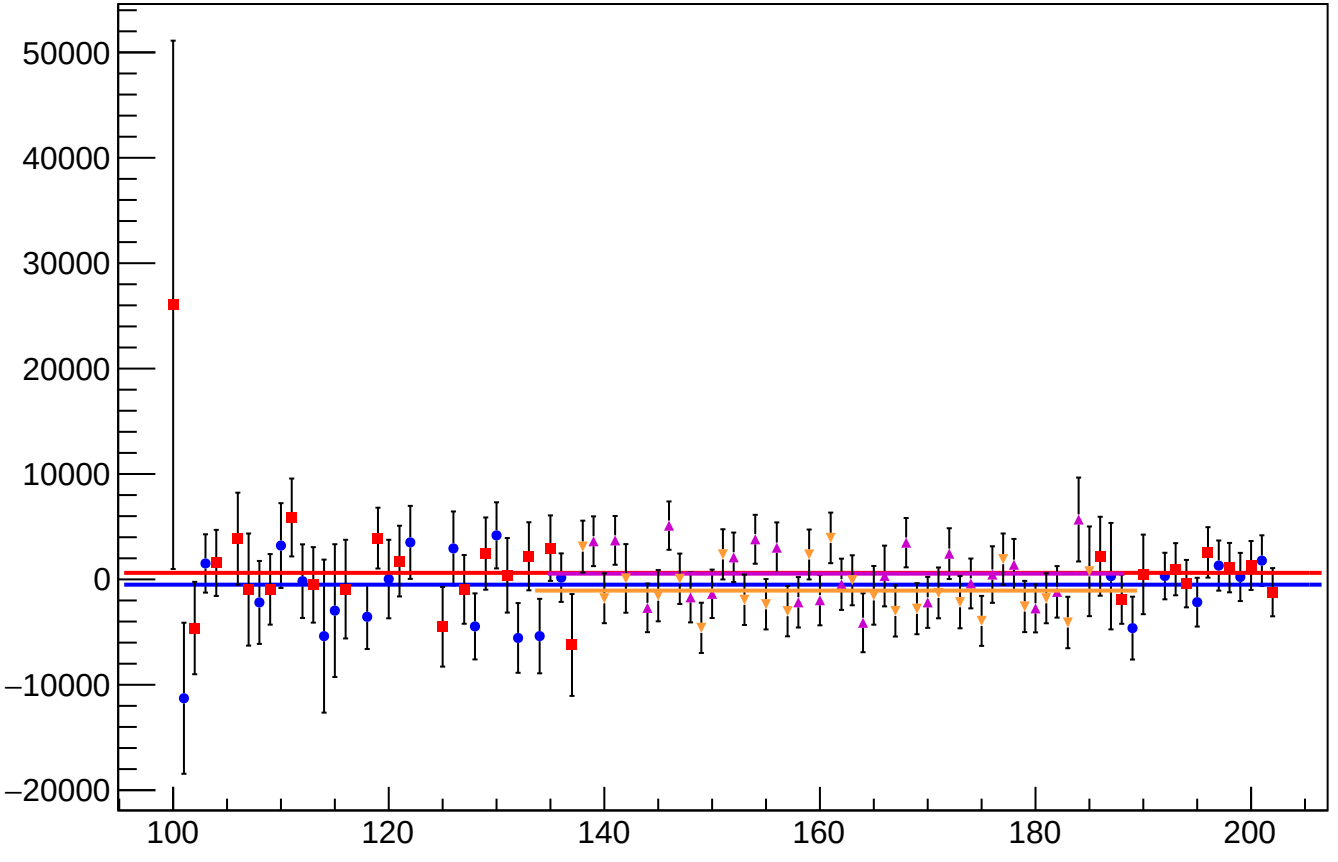
Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 149.684+/-0.023 χ^2/NDF: 17159823.2/46

All: 148.333+/-0.016 χ^2/NDF: 37812298.0/96

- sign 146.998+/-0.022 χ^2/NDF: 20645353.9/49

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -502.015+/-646.130 χ^2/NDF: 20.1/22

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 618.701+/-605.264 χ^2/NDF: 15.2/26

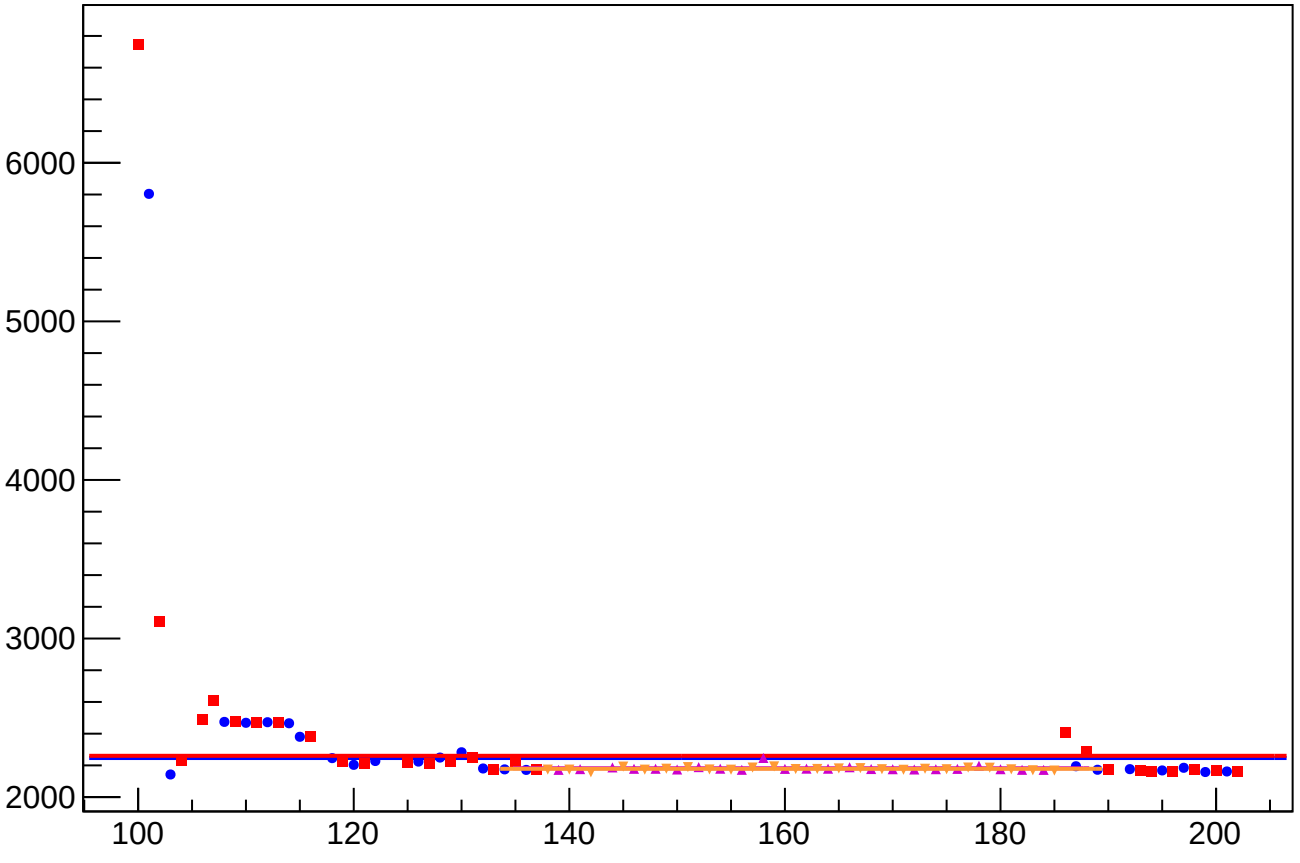
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -849.550+/-398.195 χ^2/NDF: 42.4/46

All: -121.951+/-278.534 χ^2/NDF: 92.1/96

- sign 575.127+/-389.754 χ^2/NDF: 43.1/49

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2246.371+/-0.457 χ^2/NDF: 536473.8/22

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

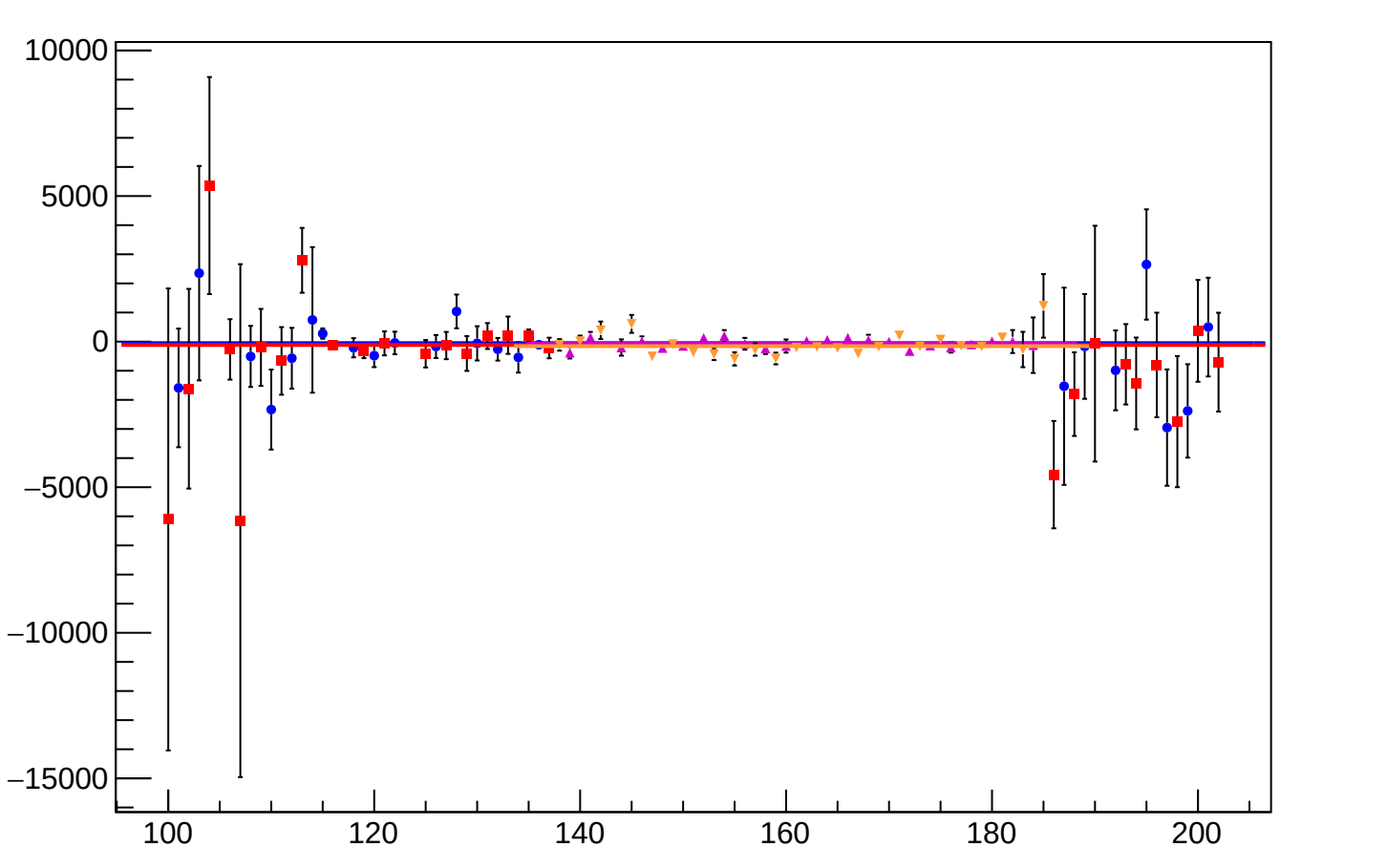
Right Out: 2260.418+/-0.428 χ^2/NDF: 204507.1/26

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2204.279+/-0.282 χ^2/NDF: 550615.0/46

All: 2209.473+/-0.197 χ^2/NDF: 777336.0/96

- sign 2214.448+/-0.276 χ^2/NDF: 226054.9/49



Right In: -51.623+/-91.555 χ^2/NDF: 21.1/22

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

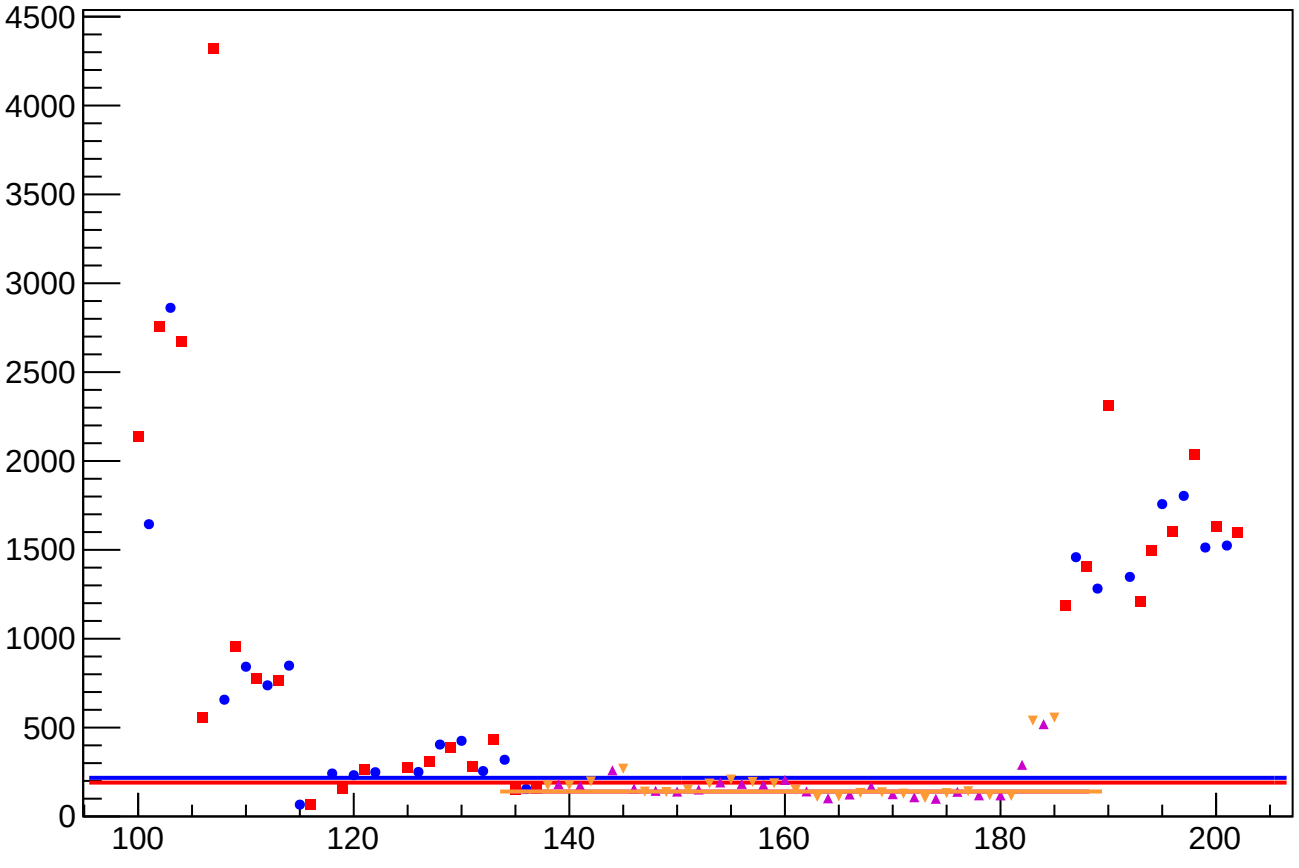
Right Out: -114.424+/-85.162 χ^2/NDF: 24.9/26

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

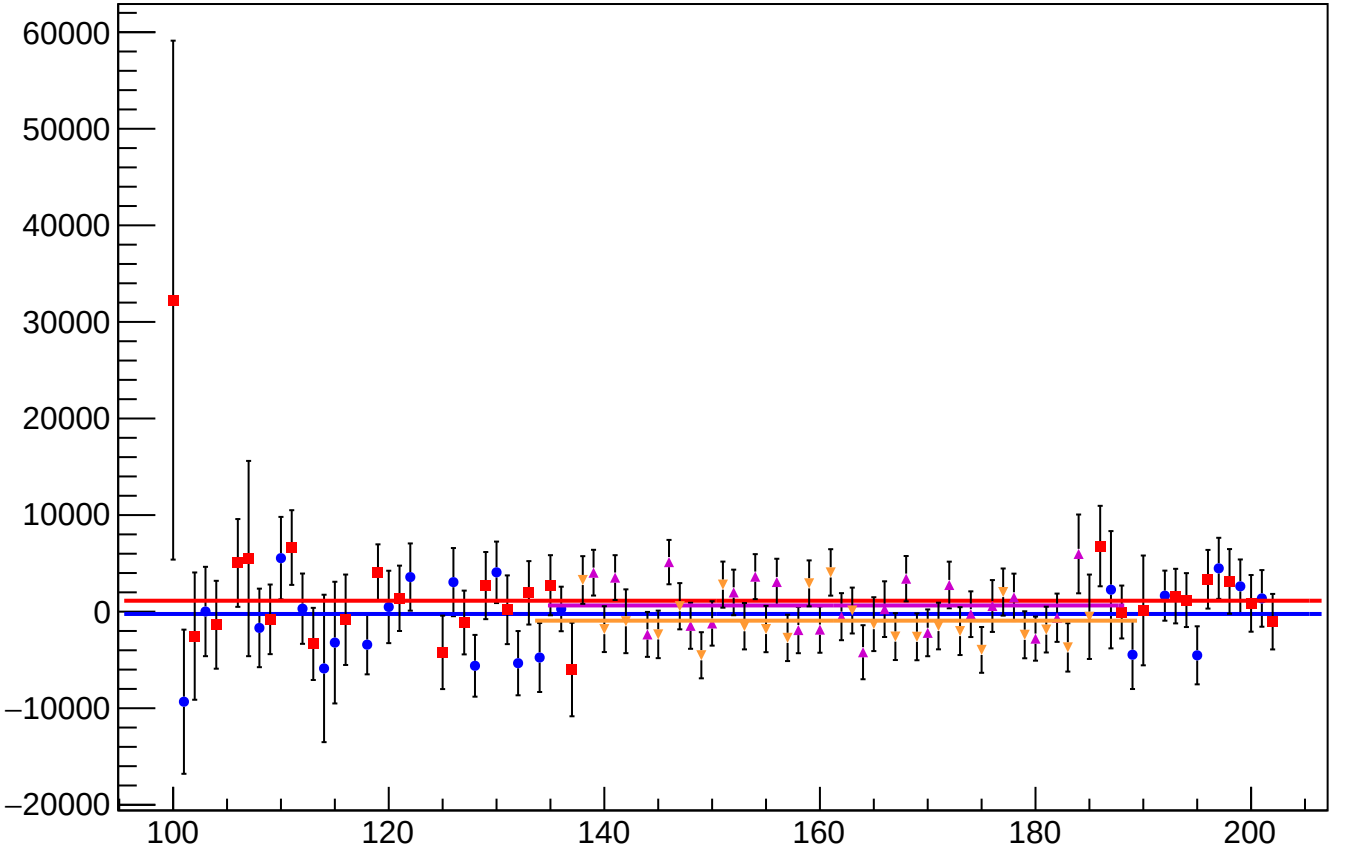
+ sign -142.191+/-31.923 χ^2/NDF: 69.5/46

All: -109.052+/-22.508 χ^2/NDF: 115.7/96

- sign -76.292+/-31.740 χ^2/NDF: 44.1/49


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 217.351+/-0.065 χ²/NDF: 13155826.8/22
Left Out: 140.319+/-0.024 χ²/NDF:2760280.2/23
Right Out: 190.510+/-0.060 χ²/NDF: 17626605.7/26
Left In: 139.979+/-0.024 χ²/NDF:2412509.5/22
+ sign 149.684+/-0.023 χ²/NDF: 17159807.2/46
All: 148.333+/-0.016 χ²/NDF: 37812376.4/96
- sign 146.998+/-0.022 χ²/NDF: 20645446.7/49

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -239.823+/-724.916 χ^2/NDF: 23.8/22

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1131.700+/-695.074 χ^2/NDF: 16.6/26

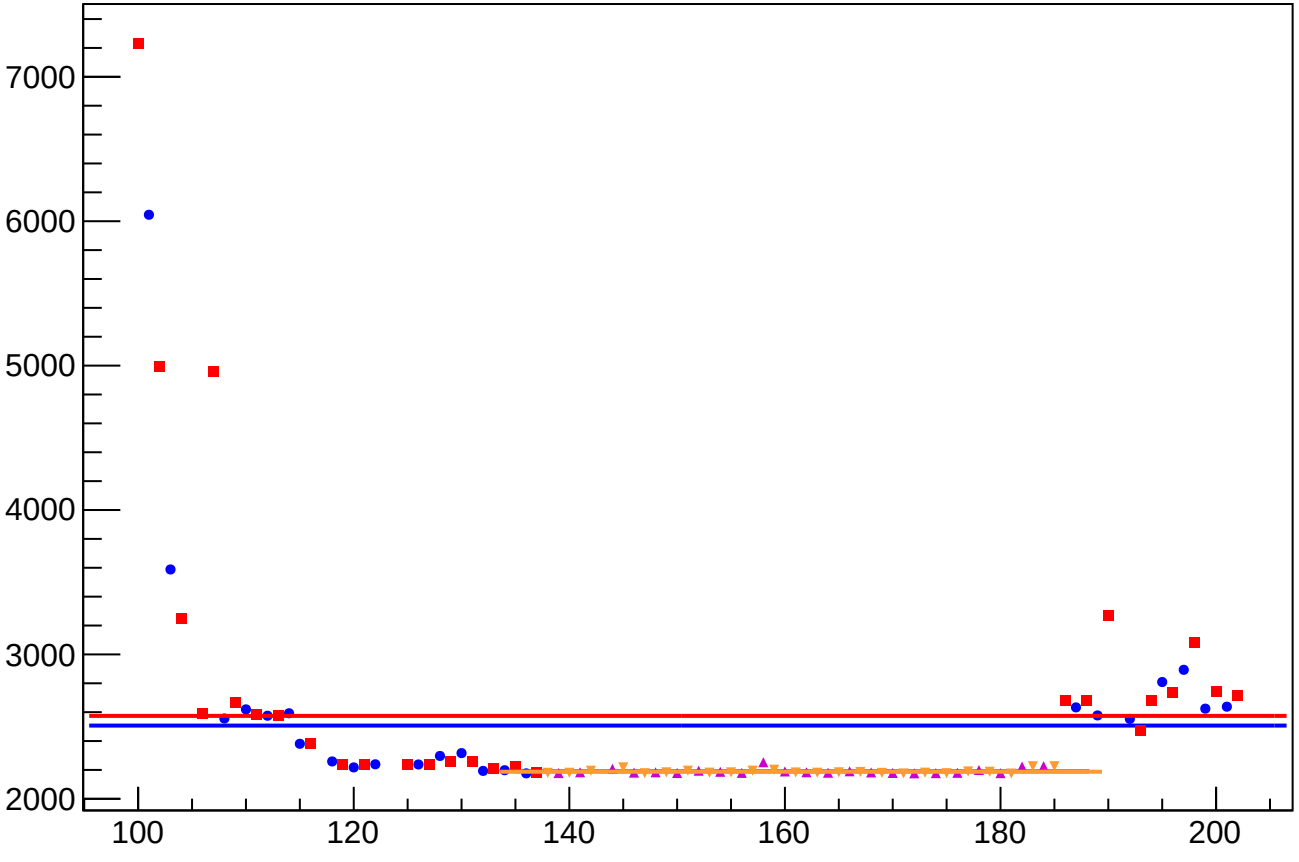
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -704.206+/-415.863 χ^2/NDF: 46.8/46

All: 62.396+/-292.651 χ^2/NDF: 97.5/96

- sign 814.476+/-411.906 χ^2/NDF: 43.9/49

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2507.108+/-0.513 χ^2/NDF: 760208.6/22

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

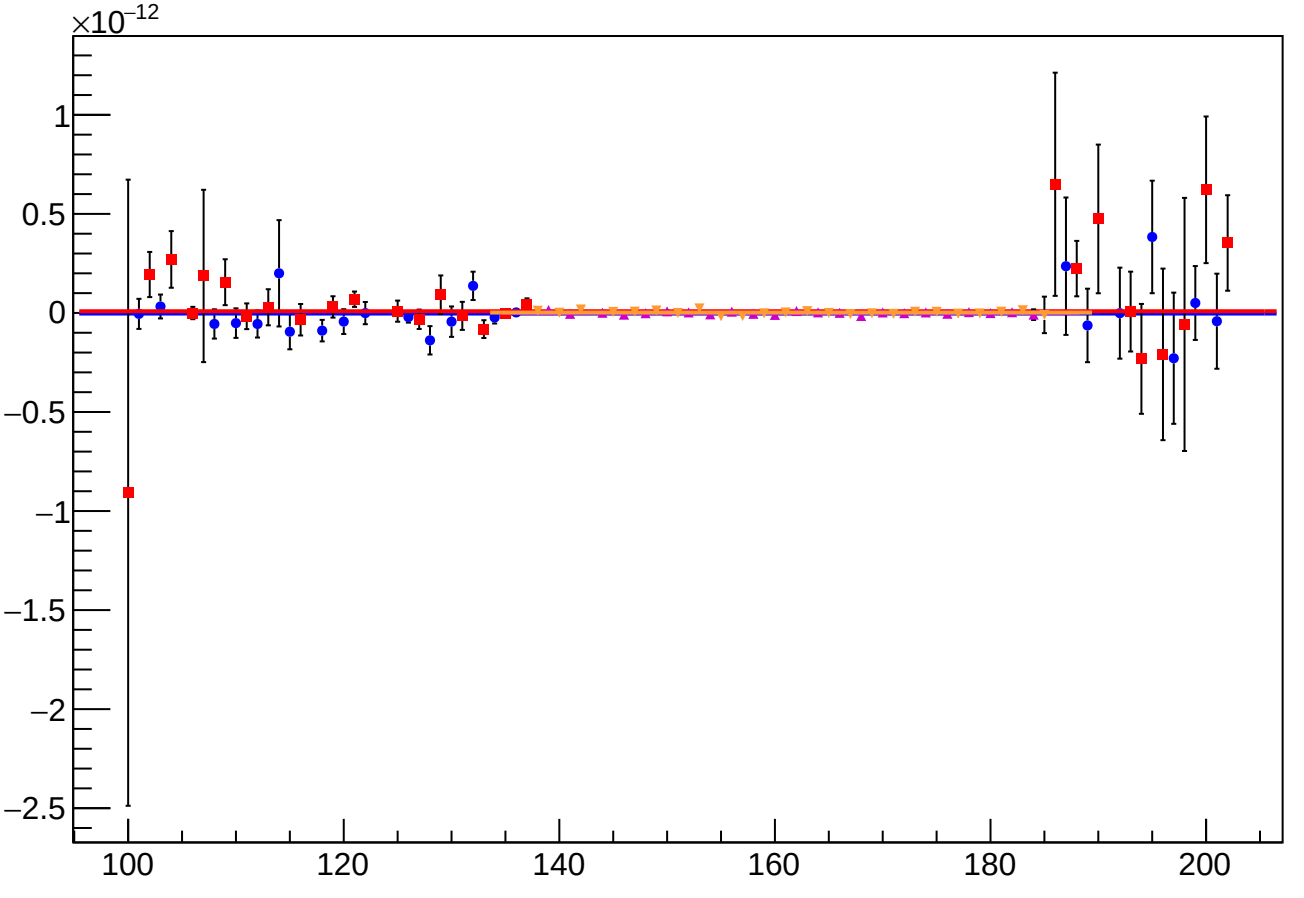
Right Out: 2574.294+/-0.491 χ^2/NDF: 771813.8/26

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2292.763+/-0.294 χ^2/NDF: 1022180.1/46

All: 2309.068+/-0.207 χ^2/NDF: 2198949.8/96

- sign 2325.064+/-0.291 χ^2/NDF: 1170679.1/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

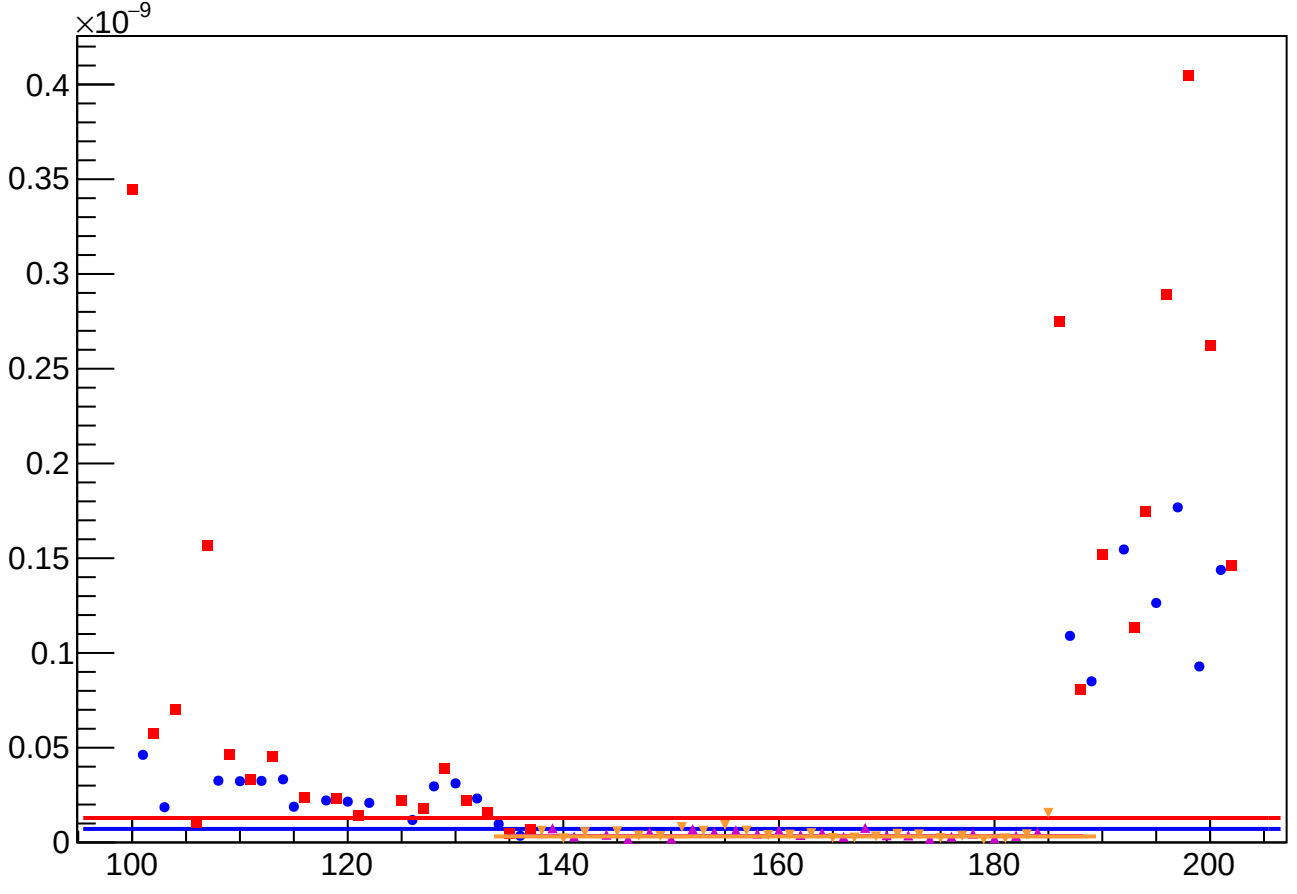
Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/26

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.6/46

All: 0.000+/-0.000 χ^2/NDF: 82.9/96

- sign 0.000+/-0.000 χ^2/NDF: 44.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 6170007.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

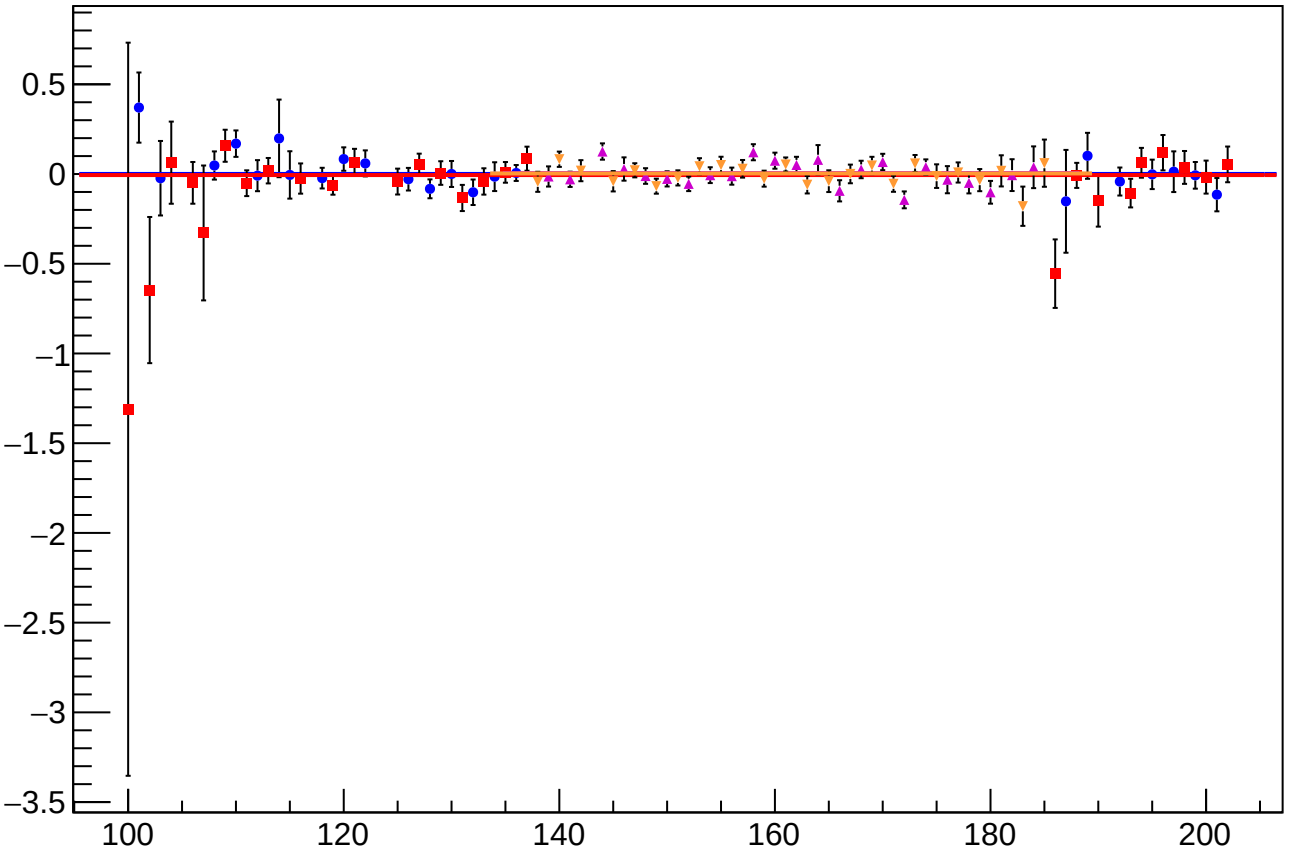
Right Out: 0.000+/-0.000 χ^2/NDF: 8187732.3/26

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8990436.0/46

All: 0.000+/-0.000 χ^2/NDF: 20782633.1/96

- sign 0.000+/-0.000 χ^2/NDF: 11763117.3/49



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

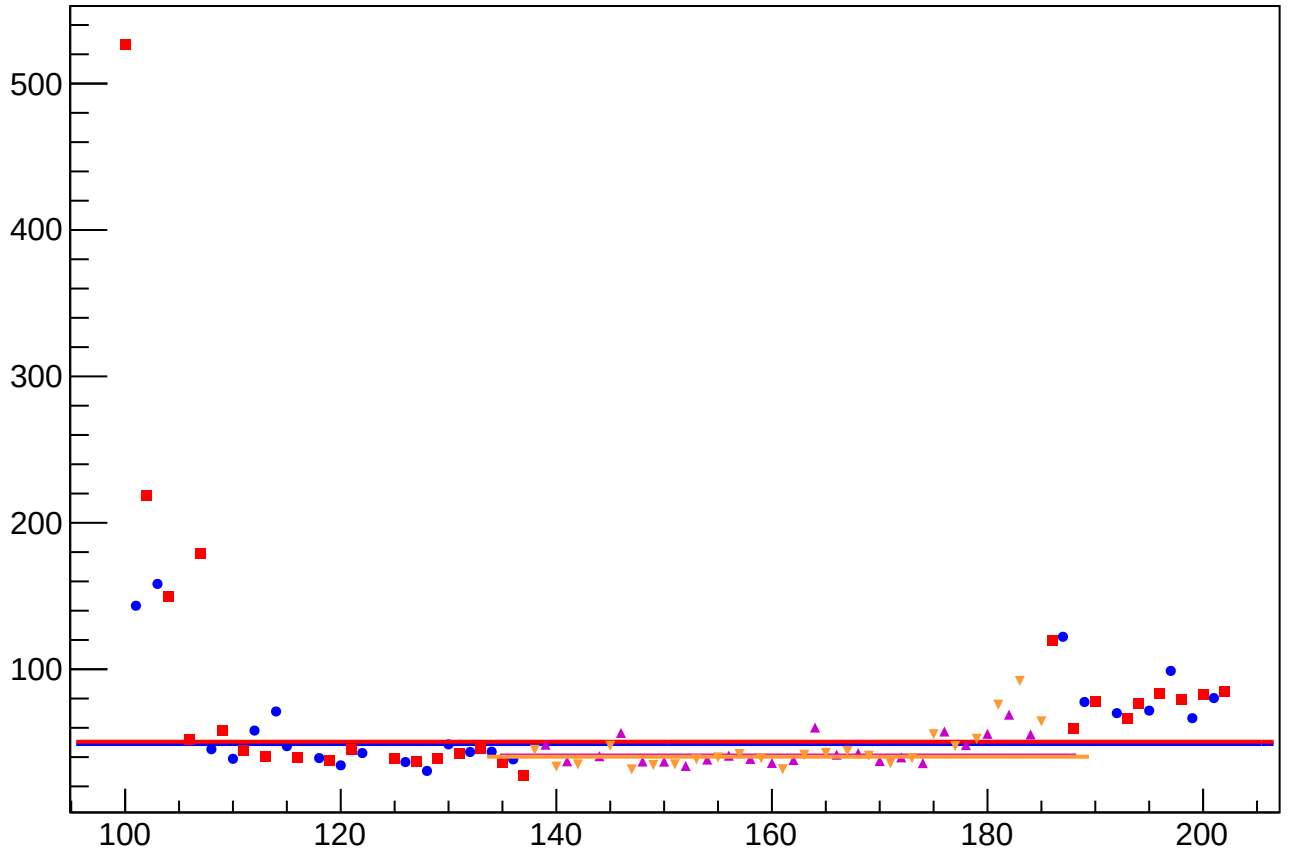
Right Out: -0.006+/-0.016 χ^2/NDF: 30.0/26

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/46

All: 0.002+/-0.006 χ^2/NDF: 113.7/96

- sign 0.002+/-0.009 χ^2/NDF: 71.7/49



Right In: 48.913+/-0.012 χ^2/NDF: 2990875.6/22

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 50.479+/-0.011 χ^2/NDF: 3443032.1/26

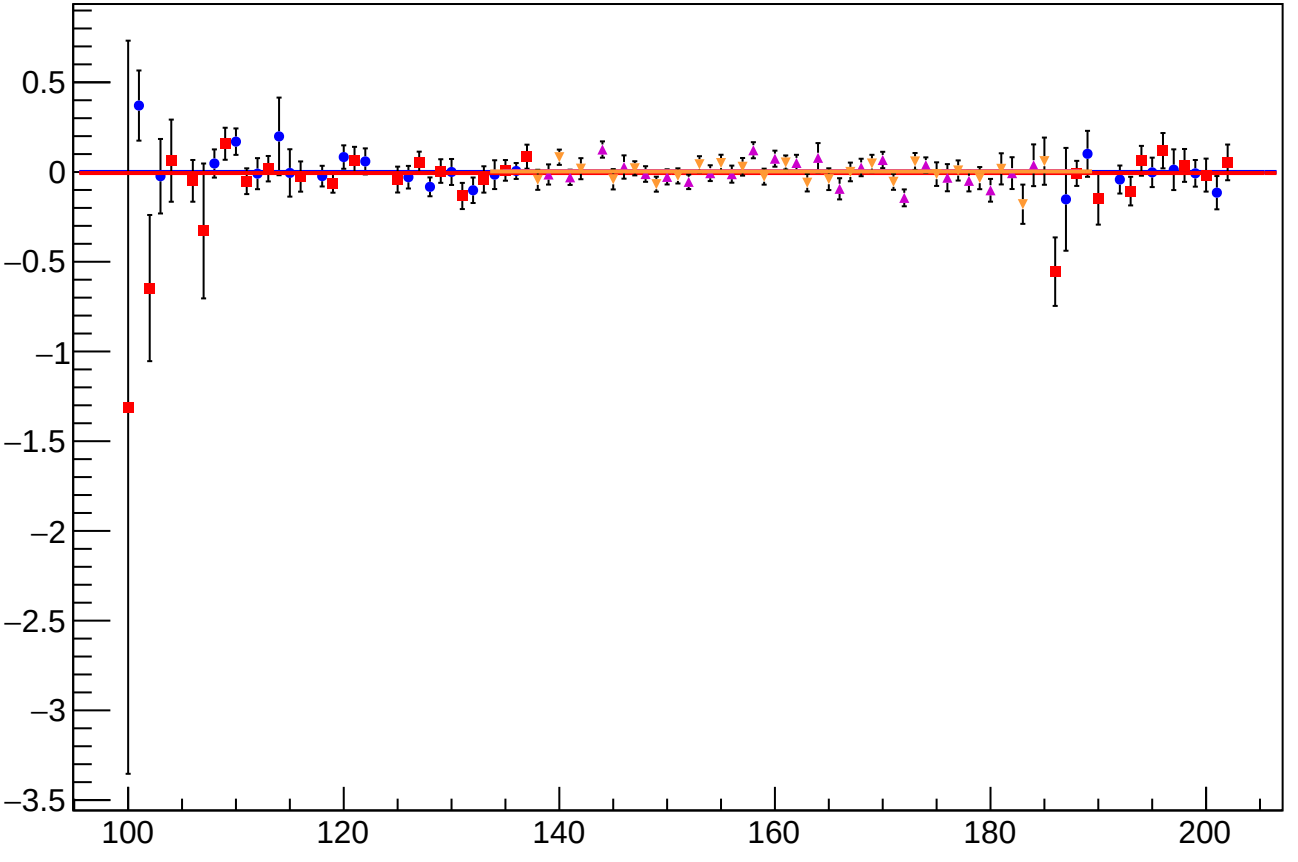
Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 42.764+/-0.006 χ^2/NDF: 4879399.9/46

All: 43.348+/-0.004 χ^2/NDF: 9748616.3/96

- sign 43.940+/-0.006 χ^2/NDF: 4851275.6/49

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

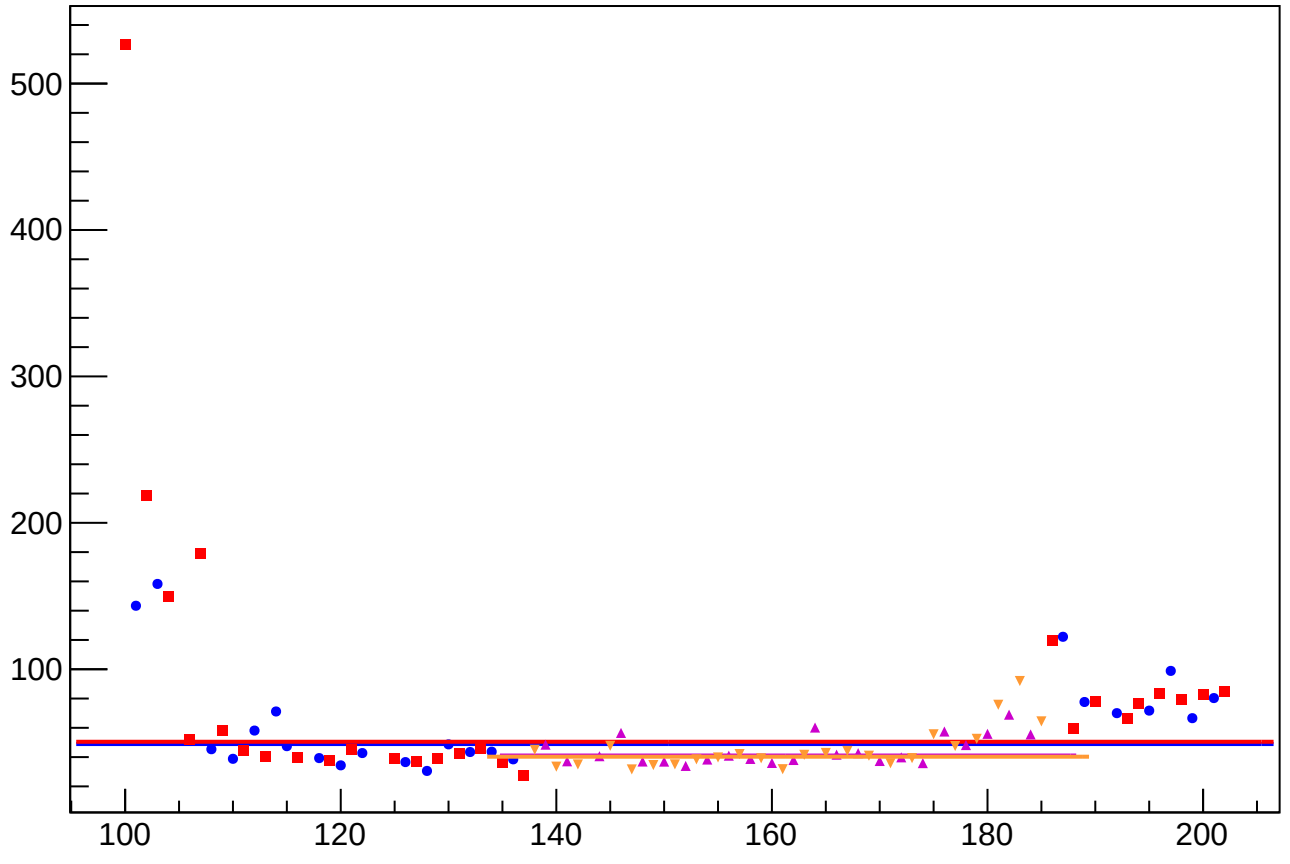
Right Out: -0.006+/-0.016 χ^2/NDF: 30.0/26

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/46

All: 0.002+/-0.006 χ^2/NDF: 113.7/96

- sign 0.002+/-0.009 χ^2/NDF: 71.7/49



Right In: 48.913+/-0.012 χ^2/NDF: 2990875.6/22

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

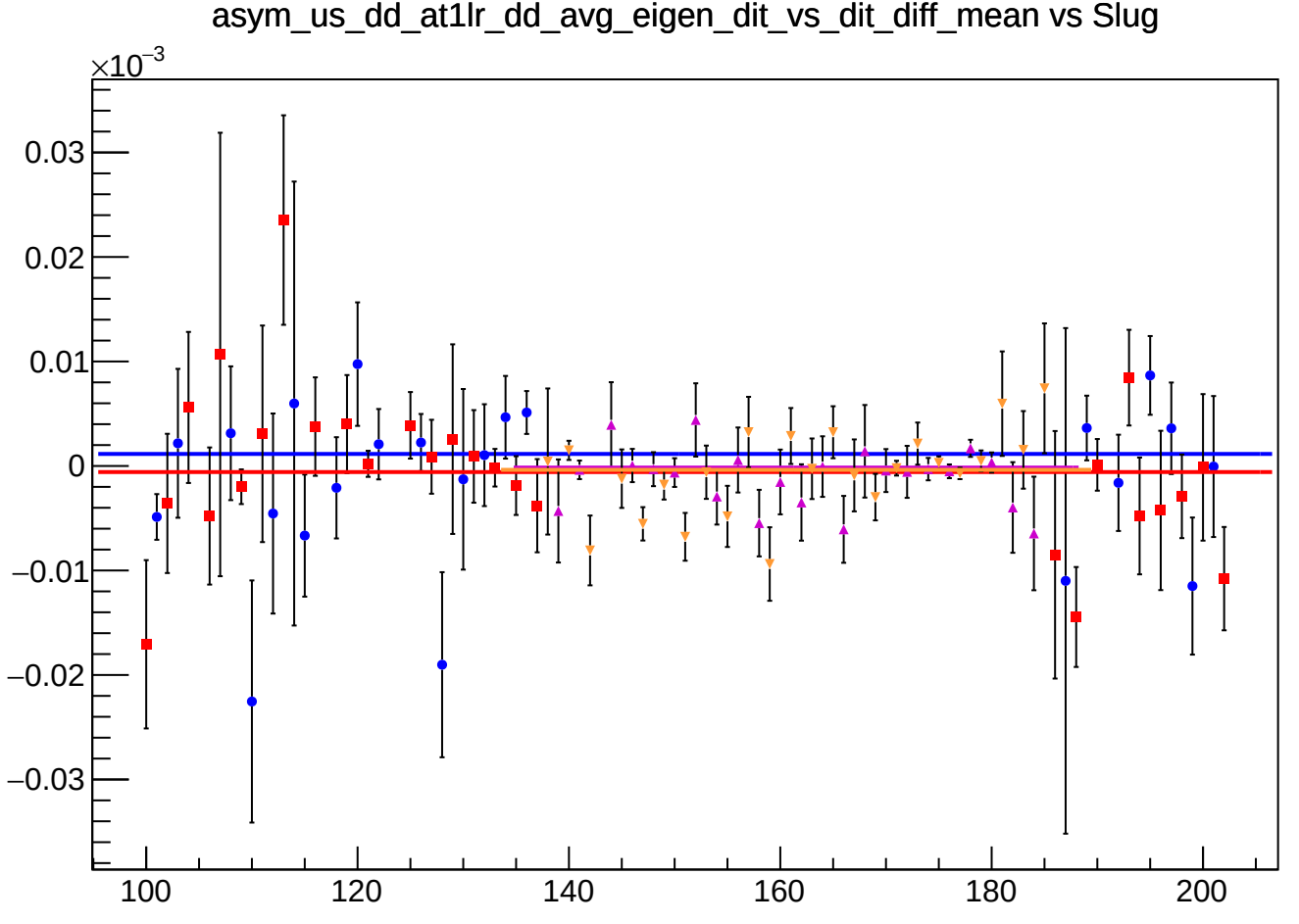
Right Out: 50.479+/-0.011 χ^2/NDF: 3443032.1/26

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 42.764+/-0.006 χ^2/NDF: 4879399.9/46

All: 43.348+/-0.004 χ^2/NDF: 9748616.3/96

- sign 43.940+/-0.006 χ^2/NDF: 4851275.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

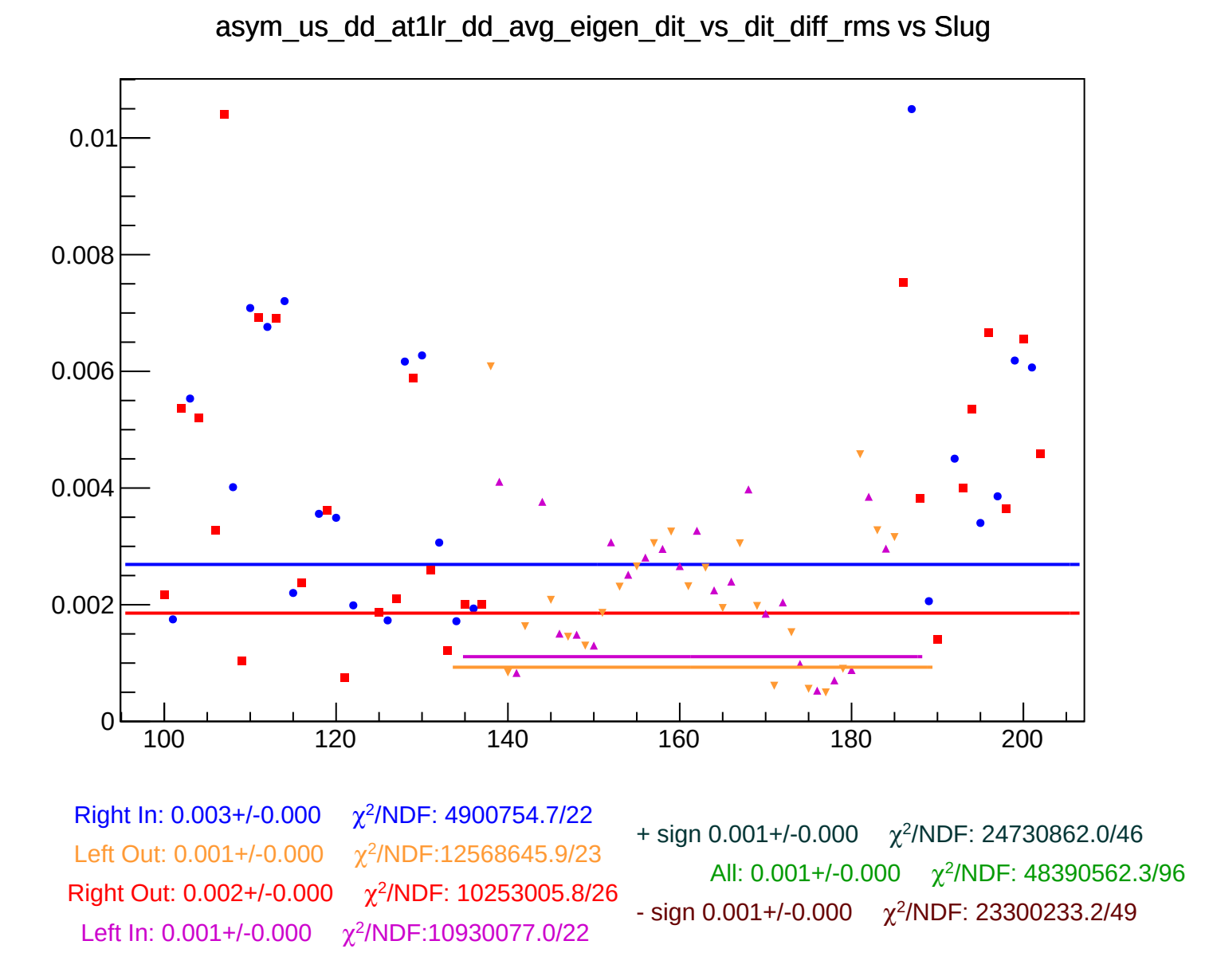
Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/26

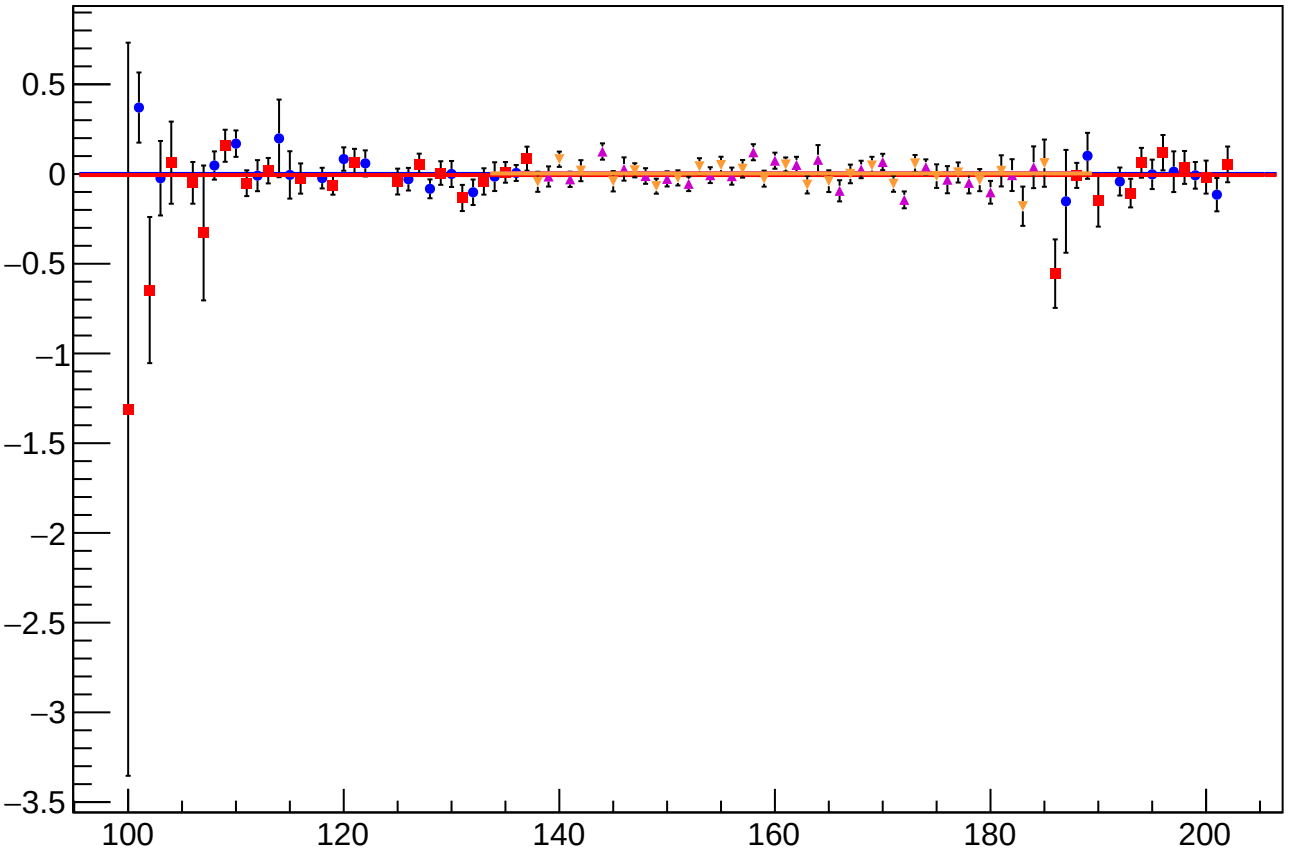
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.9/46

All: -0.000+/-0.000 χ^2/NDF: 146.2/96

- sign -0.000+/-0.000 χ^2/NDF: 56.3/49


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 4900754.7/22
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
Right Out: 0.002+/-0.000 χ²/NDF: 10253005.8/26
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 24730862.0/46
All: 0.001+/-0.000 χ²/NDF: 48390562.3/96
- sign 0.001+/-0.000 χ²/NDF: 23300233.2/49



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

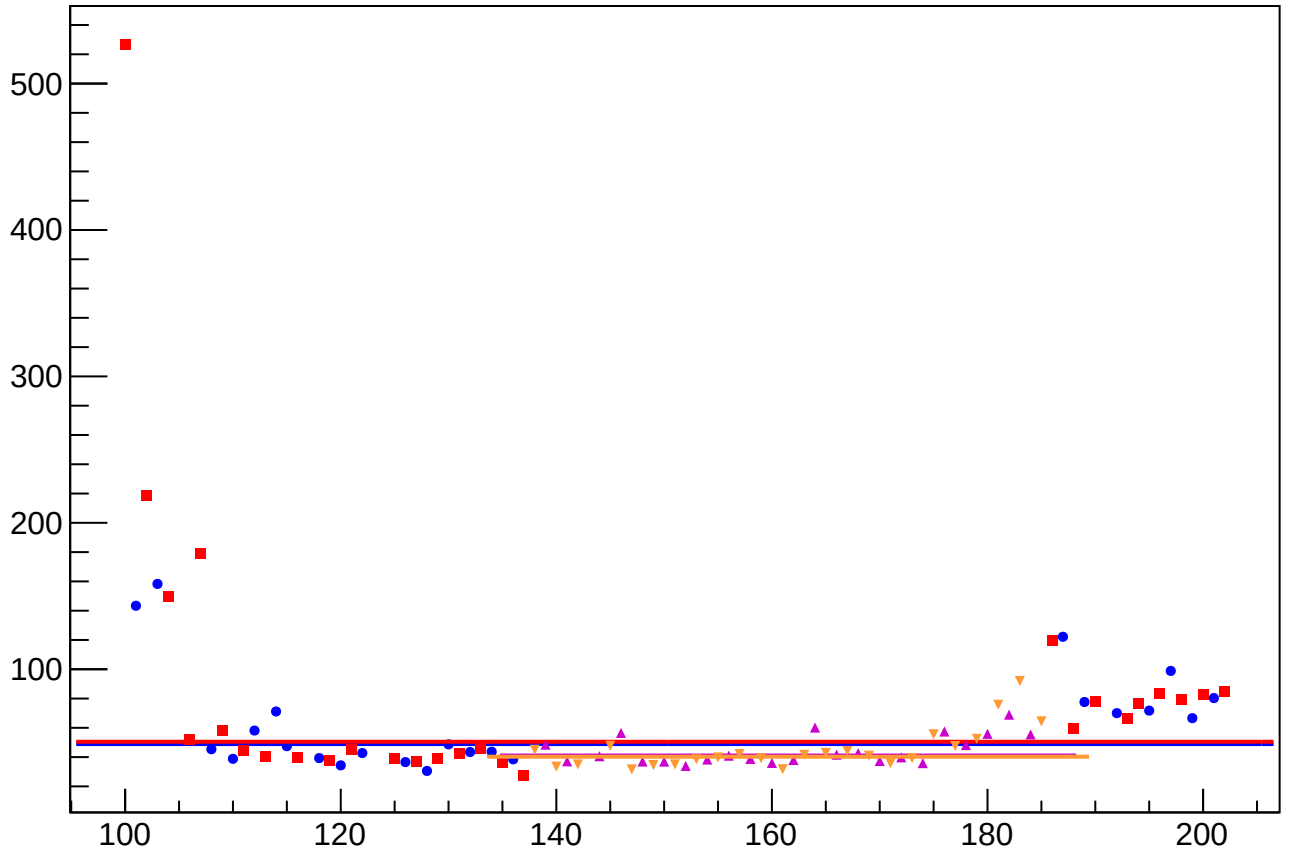
Right Out: -0.006+/-0.016 χ^2/NDF: 30.0/26

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/46

All: 0.002+/-0.006 χ^2/NDF: 113.7/96

- sign 0.002+/-0.009 χ^2/NDF: 71.7/49



Right In: 48.911+/-0.012 χ^2/NDF: 2991320.3/22

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

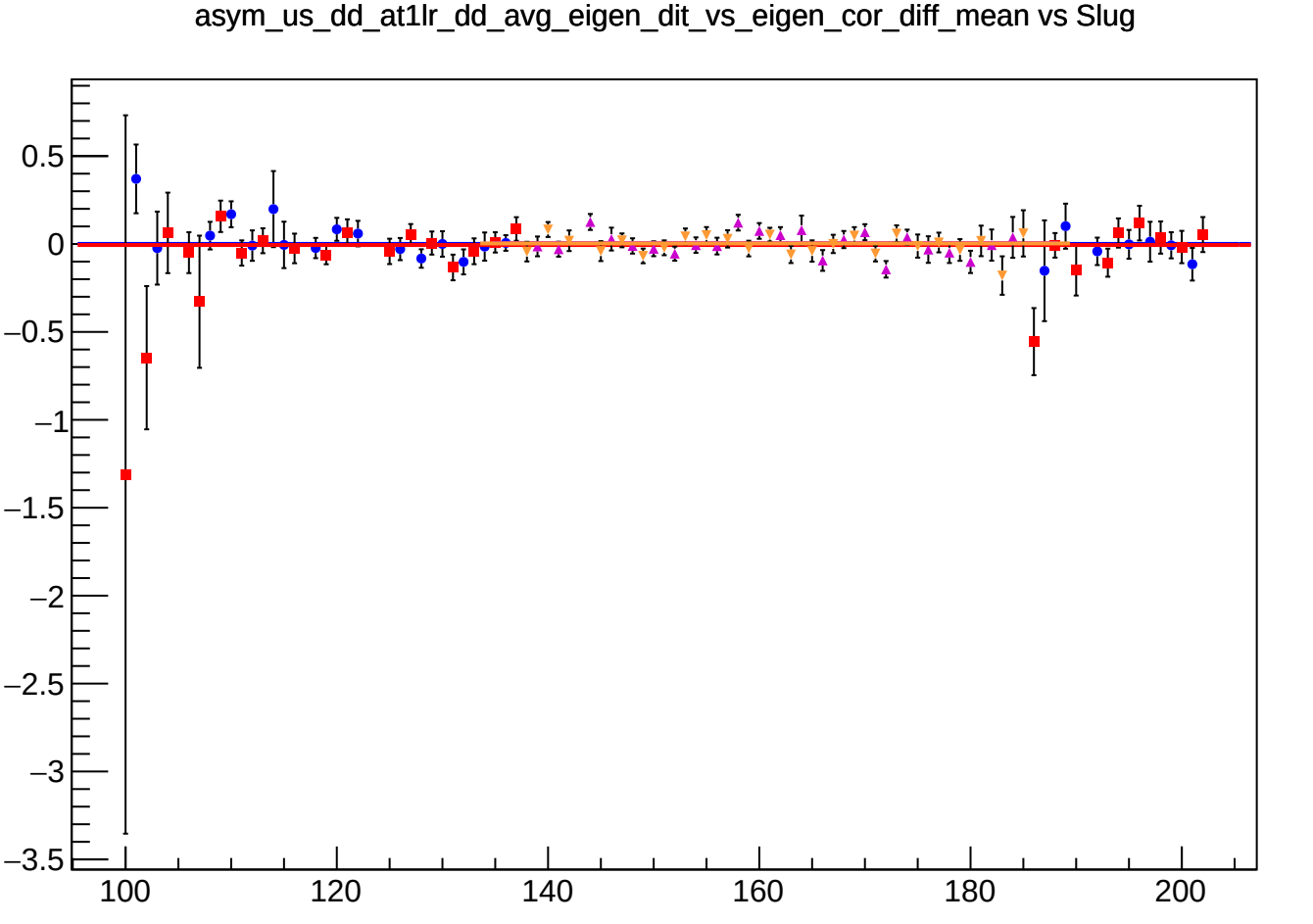
Right Out: 50.479+/-0.011 χ^2/NDF: 3442987.1/26

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

\+ sign 42.763+/-0.006 χ^2/NDF: 4879617.1/46

All: 43.348+/-0.004 χ^2/NDF: 9748897.1/96

\- sign 43.940+/-0.006 χ^2/NDF: 4851319.5/49



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

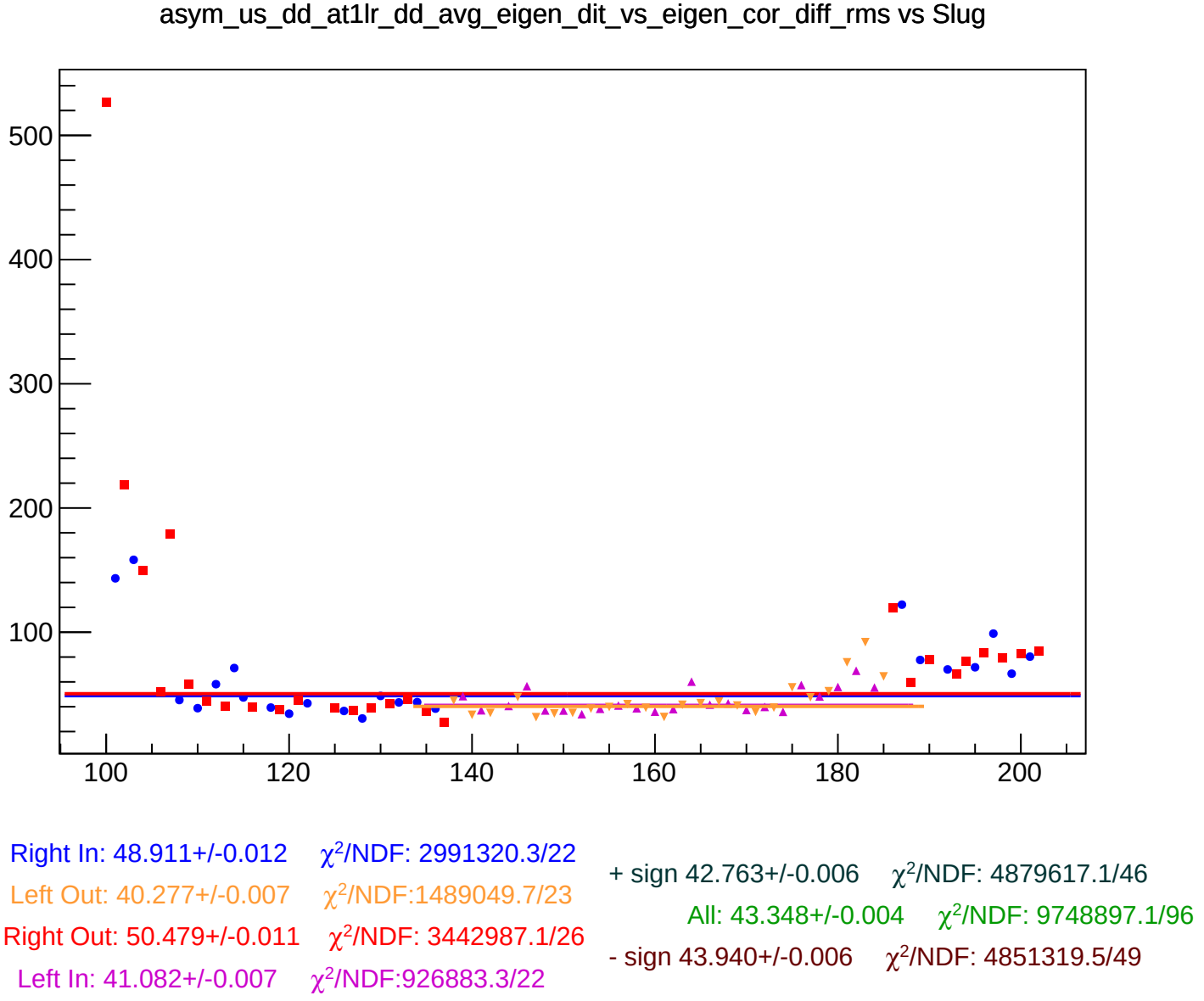
Right Out: -0.006+/-0.016 χ^2/NDF: 30.0/26

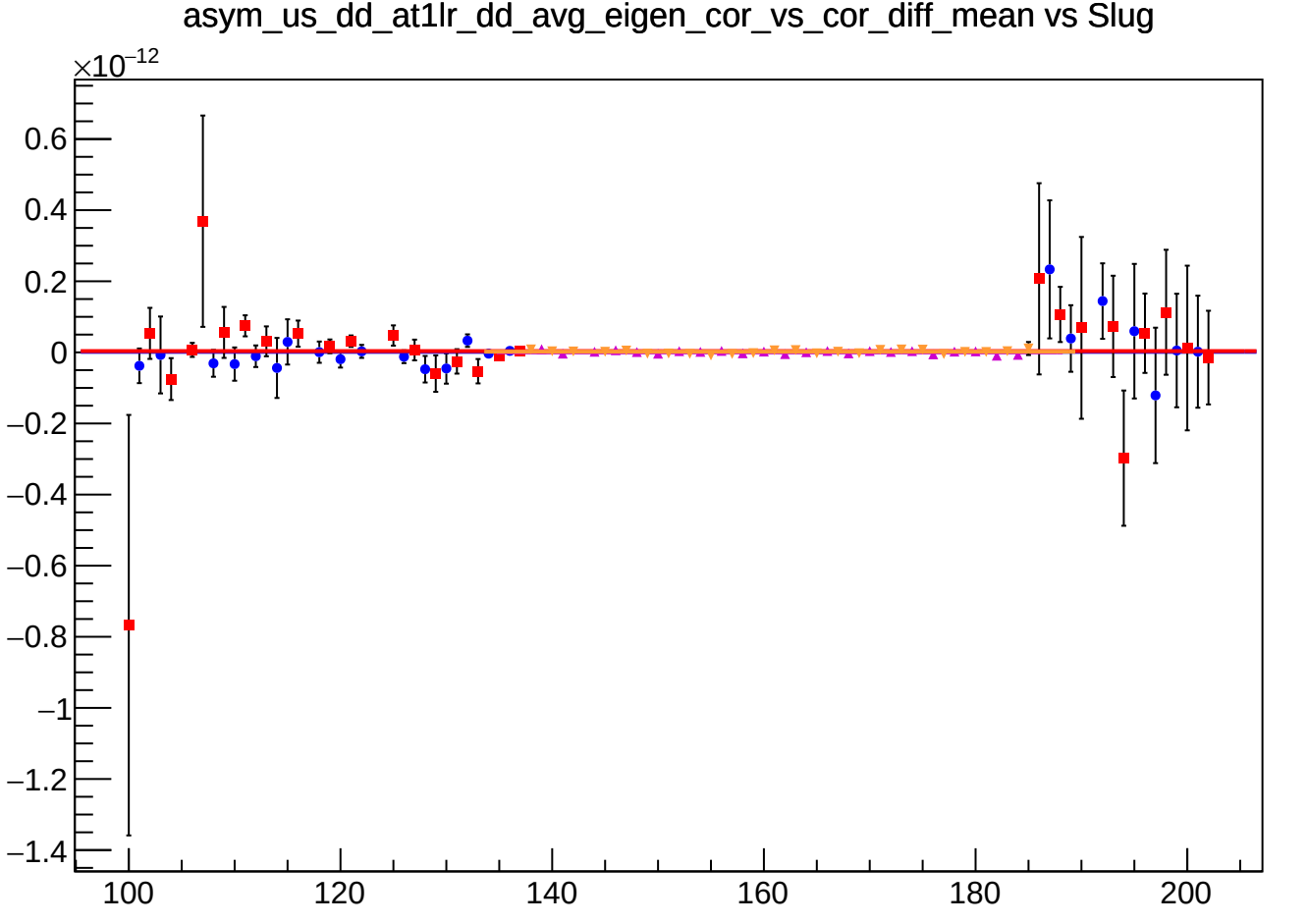
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/46

All: 0.002+/-0.006 χ^2/NDF: 113.7/96

- sign 0.002+/-0.009 χ^2/NDF: 71.7/49


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
120
140
160
180
200
Right In: 48.911+/-0.012 χ²/NDF: 2991320.3/22
Left Out: 40.277+/-0.007 χ²/NDF:1489049.7/23
Right Out: 50.479+/-0.011 χ²/NDF: 3442987.1/26
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 42.763+/-0.006 χ²/NDF: 4879617.1/46
All: 43.348+/-0.004 χ²/NDF: 9748897.1/96
- sign 43.940+/-0.006 χ²/NDF: 4851319.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

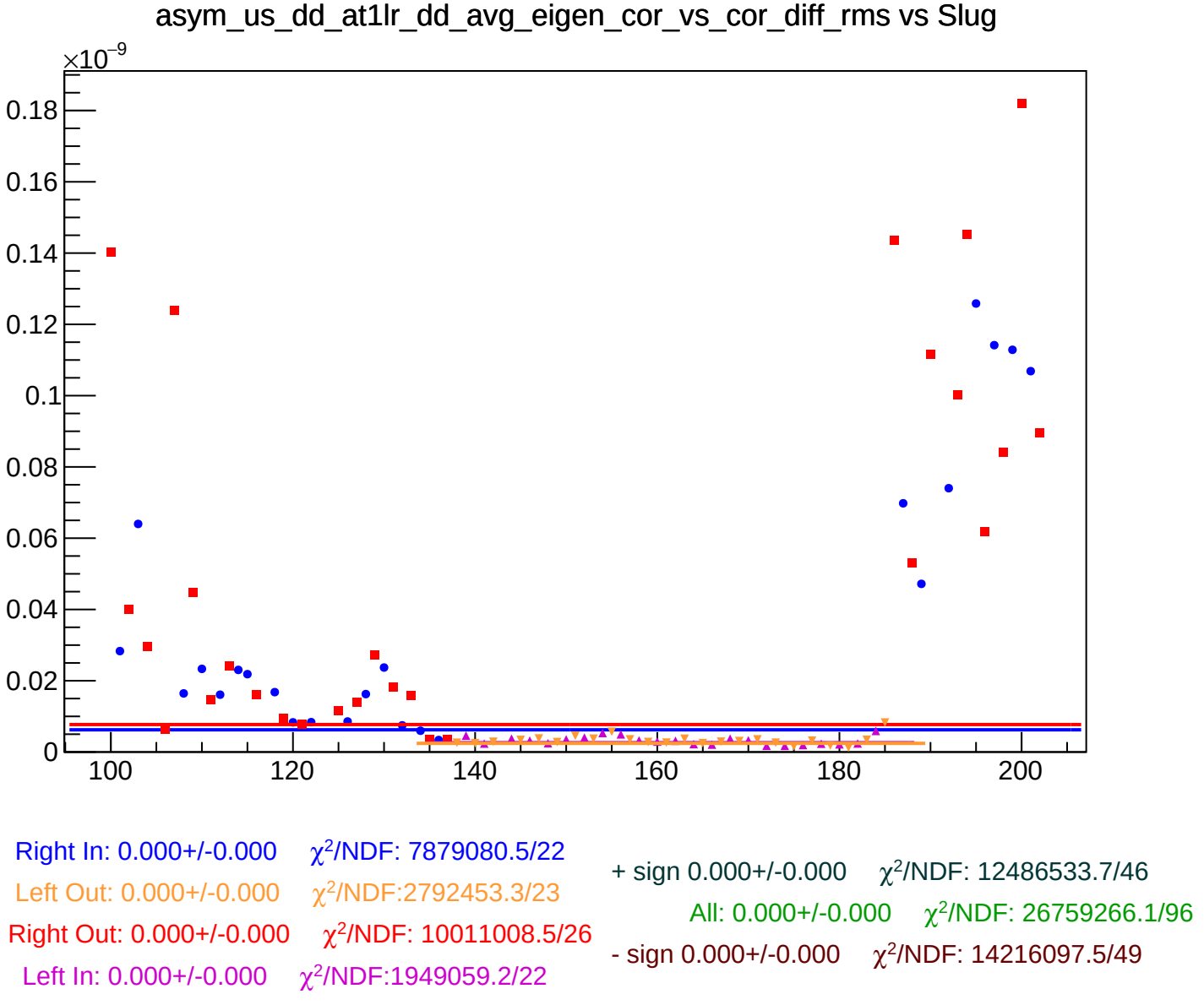
Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/26

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

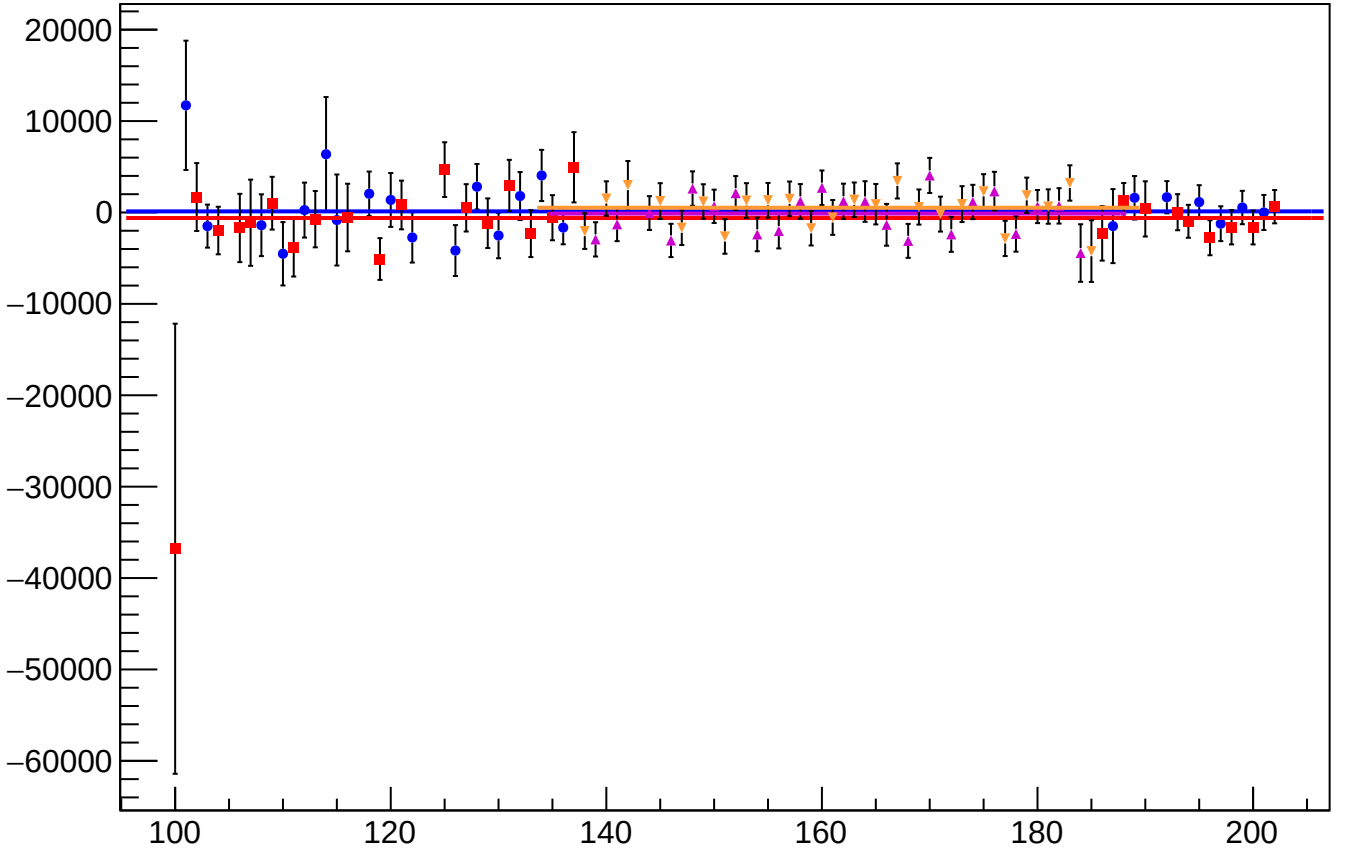
+ sign 0.000+/-0.000 χ^2/NDF: 39.6/46

All: 0.000+/-0.000 χ^2/NDF: 99.7/96

- sign 0.000+/-0.000 χ^2/NDF: 58.2/49


asym_us_dd_at1lr_dd_avg_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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7879080.5/22
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 10011008.5/26
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
+ sign 0.000+/-0.000 χ²/NDF: 12486533.7/46
All: 0.000+/-0.000 χ²/NDF: 26759266.1/96
- sign 0.000+/-0.000 χ²/NDF: 14216097.5/49

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 120.001+/-520.777 χ^2/NDF: 18.2/22

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -607.610+/-488.200 χ^2/NDF: 19.9/26

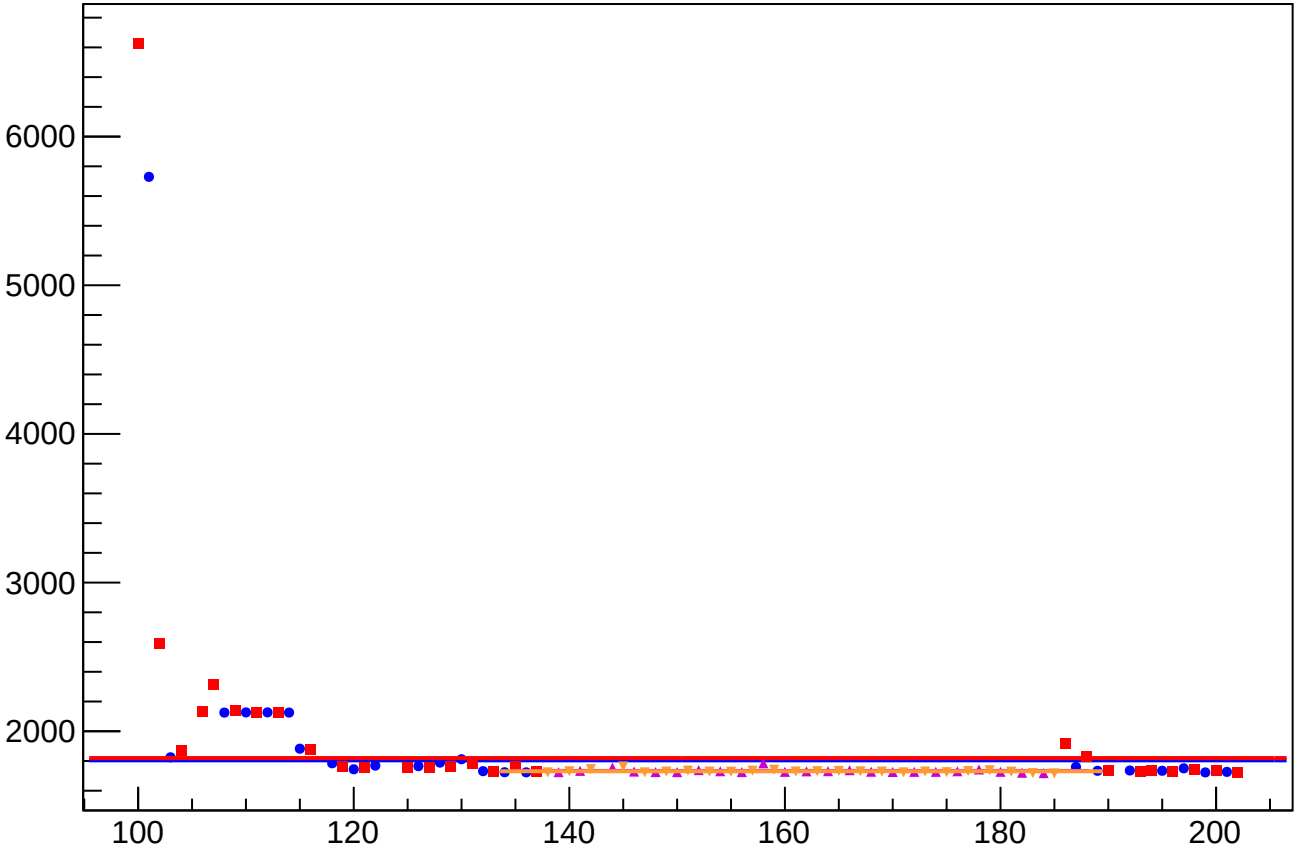
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 370.741+/-318.074 χ^2/NDF: 39.4/46

All: 17.108+/-222.565 χ^2/NDF: 91.7/96

- sign -322.135+/-311.536 χ^2/NDF: 49.9/49

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1804.310+/-0.368 χ^2/NDF: 705325.7/22

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

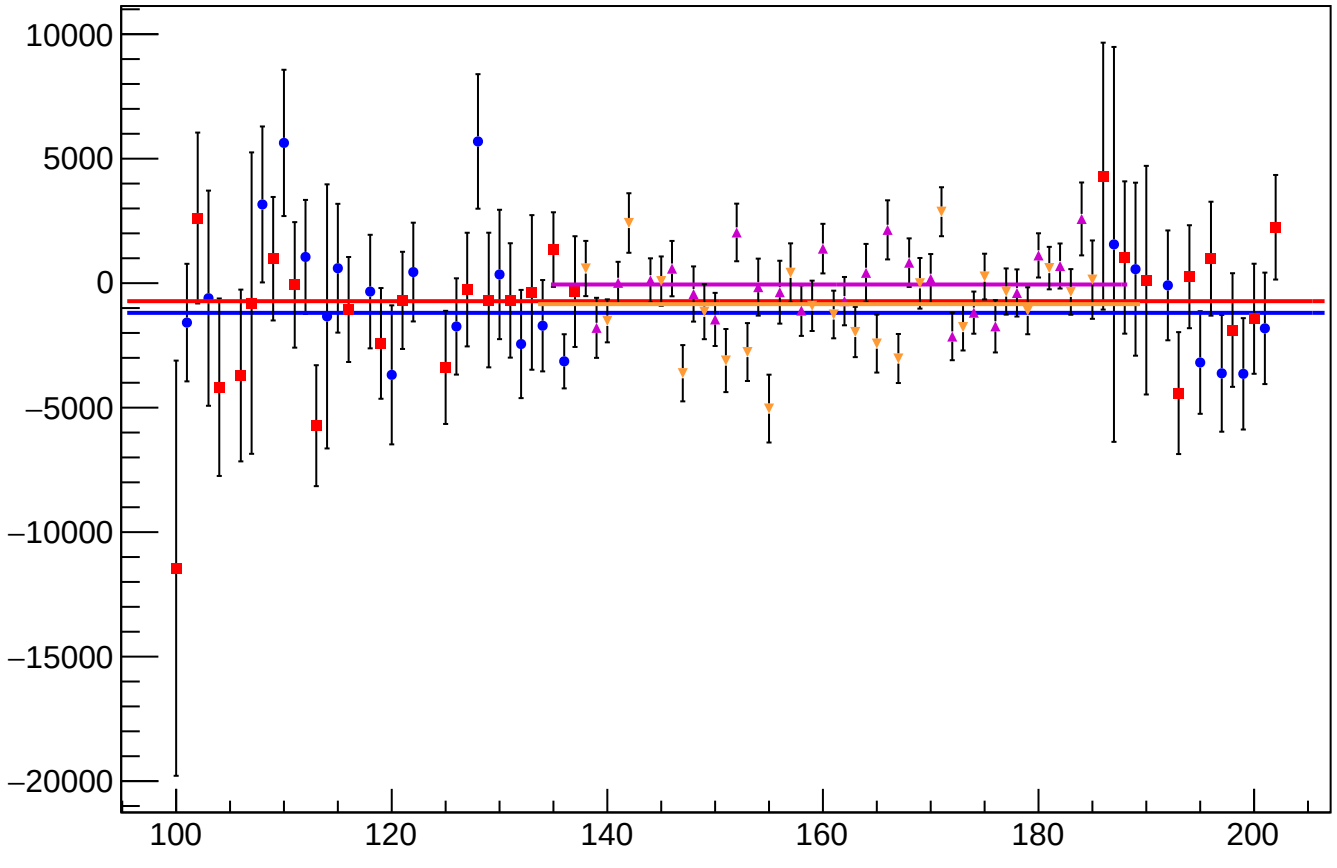
Right Out: 1819.686+/-0.345 χ^2/NDF: 302840.3/26

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1758.252+/-0.225 χ^2/NDF: 731247.7/46

All: 1763.382+/-0.157 χ^2/NDF: 1074718.3/96

- sign 1768.304+/-0.220 χ^2/NDF: 342451.1/49



Right In: -1192.635+/-475.148 χ^2/NDF: 24.9/22

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -723.625+/-480.199 χ^2/NDF: 19.7/26

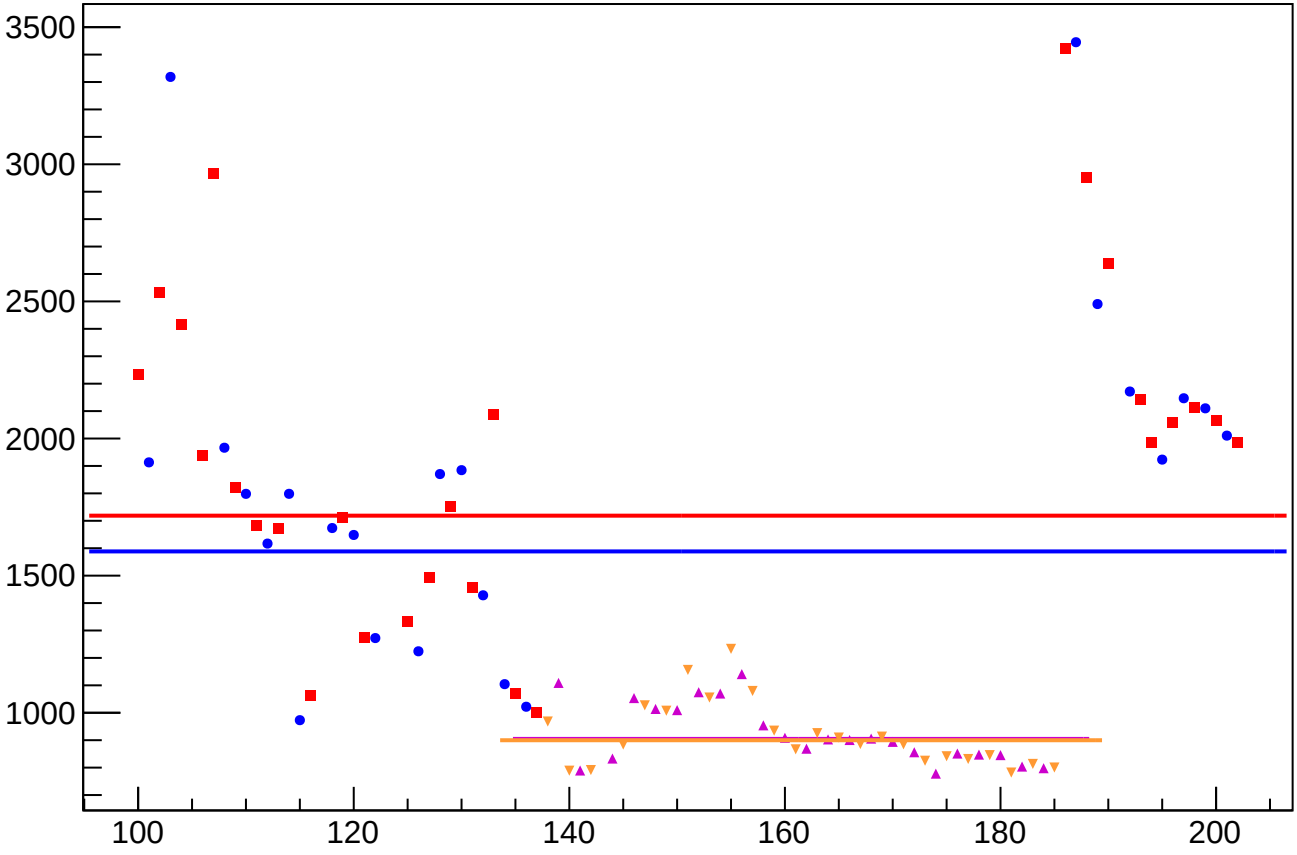
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -900.053+/-192.728 χ^2/NDF: 88.0/46

All: -535.724+/-136.964 χ^2/NDF: 147.2/96

- sign -163.980+/-194.679 χ^2/NDF: 52.0/49

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1588.351+/-0.336 χ^2/NDF: 2110686.8/22

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1718.714+/-0.340 χ^2/NDF: 2193202.3/26

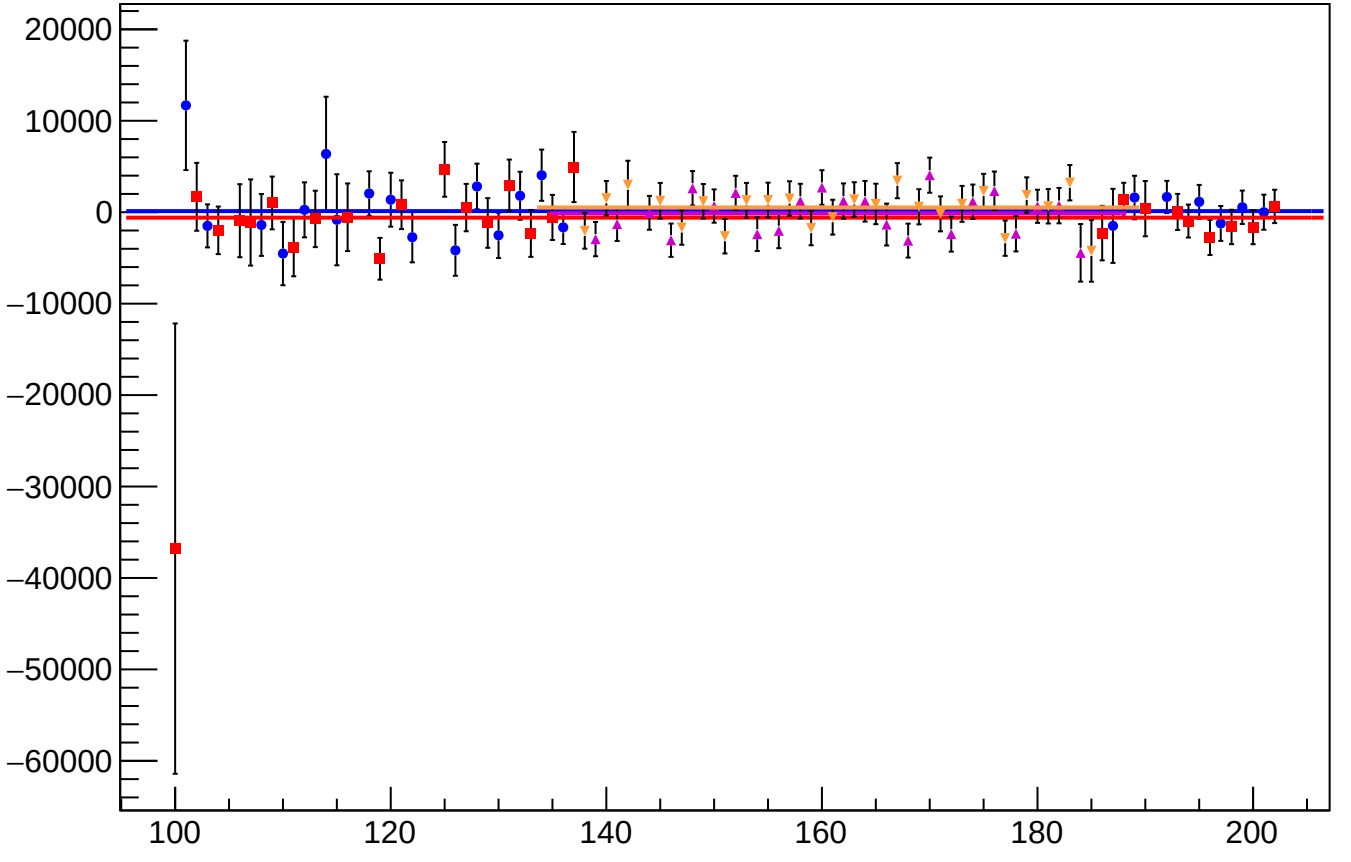
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1013.094+/-0.136 χ^2/NDF: 6114856.5/46

All: 1025.646+/-0.097 χ^2/NDF: 13580500.4/9

- sign 1038.455+/-0.138 χ^2/NDF: 7448502.0/49

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 119.586+/-520.777 χ^2/NDF: 18.2/22

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -594.016+/-488.723 χ^2/NDF: 19.8/26

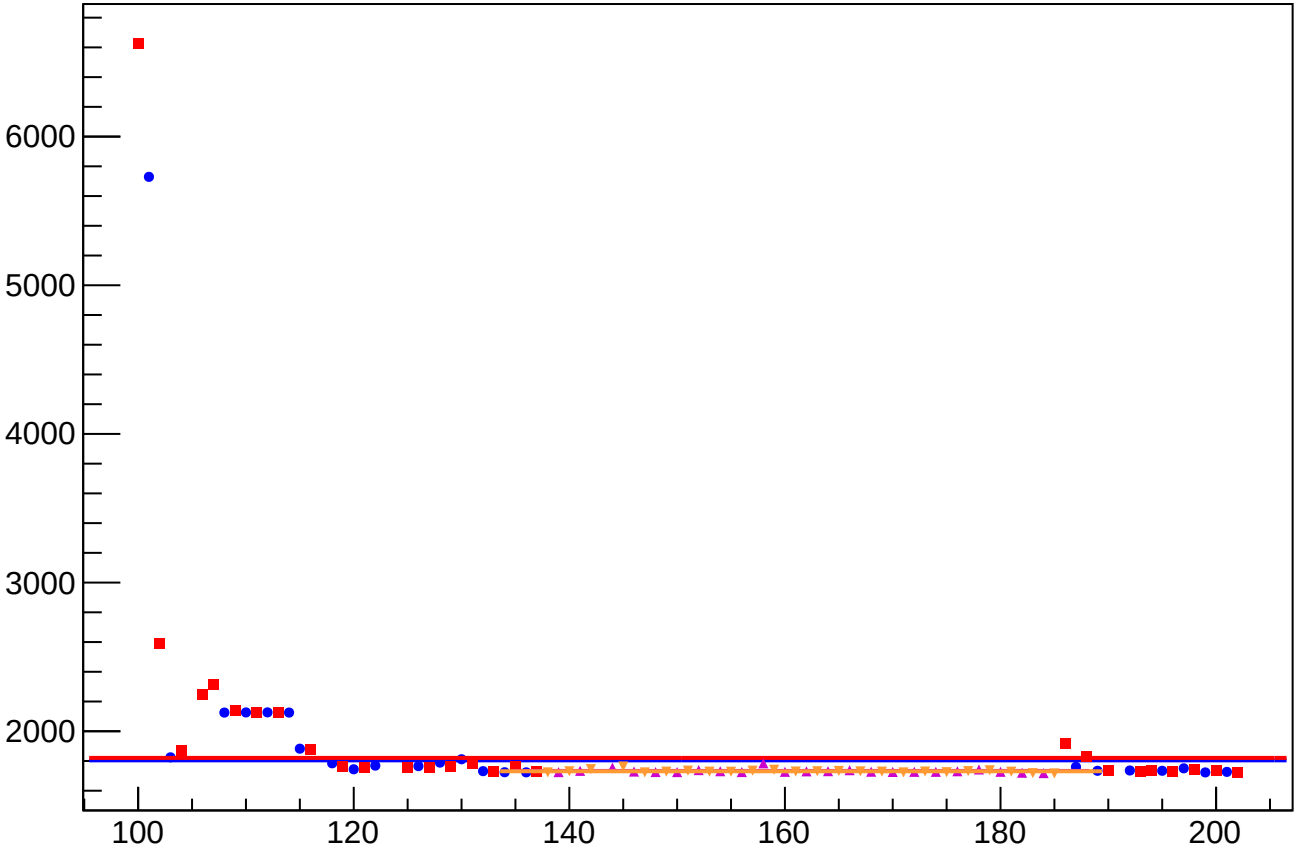
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 370.604+/-318.074 χ^2/NDF: 39.4/46

All: 20.121+/-222.614 χ^2/NDF: 91.6/96

- sign -316.394+/-311.672 χ^2/NDF: 49.8/49

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1804.310+/-0.368 χ^2/NDF: 705325.6/22

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

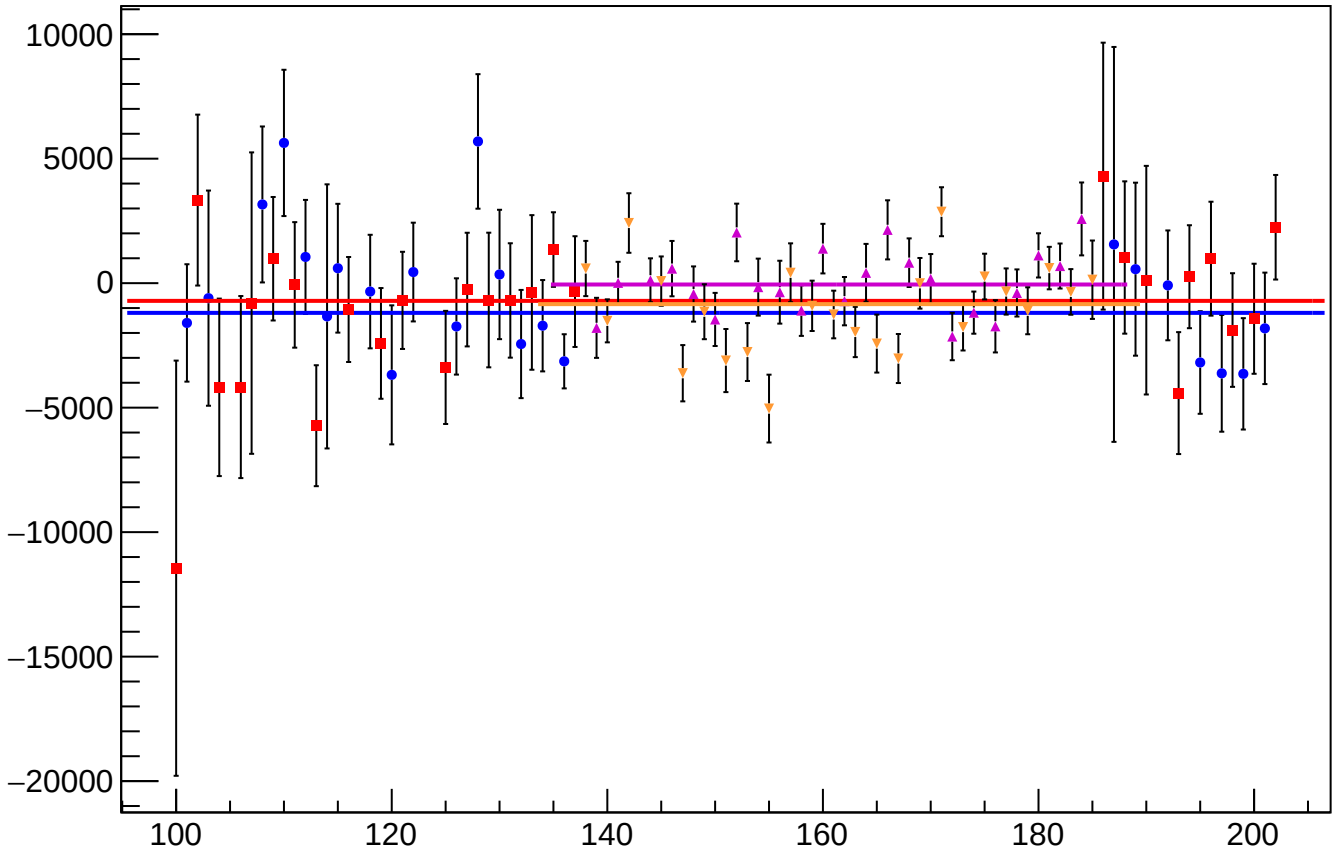
Right Out: 1820.762+/-0.346 χ^2/NDF: 311931.7/26

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1758.252+/-0.225 χ^2/NDF: 731247.5/46

All: 1763.580+/-0.157 χ^2/NDF: 1084775.6/96

- sign 1768.697+/-0.220 χ^2/NDF: 352427.7/49



Right In: -1193.166+/-475.120 χ^2/NDF: 24.9/22

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -711.274+/-480.710 χ^2/NDF: 20.3/26

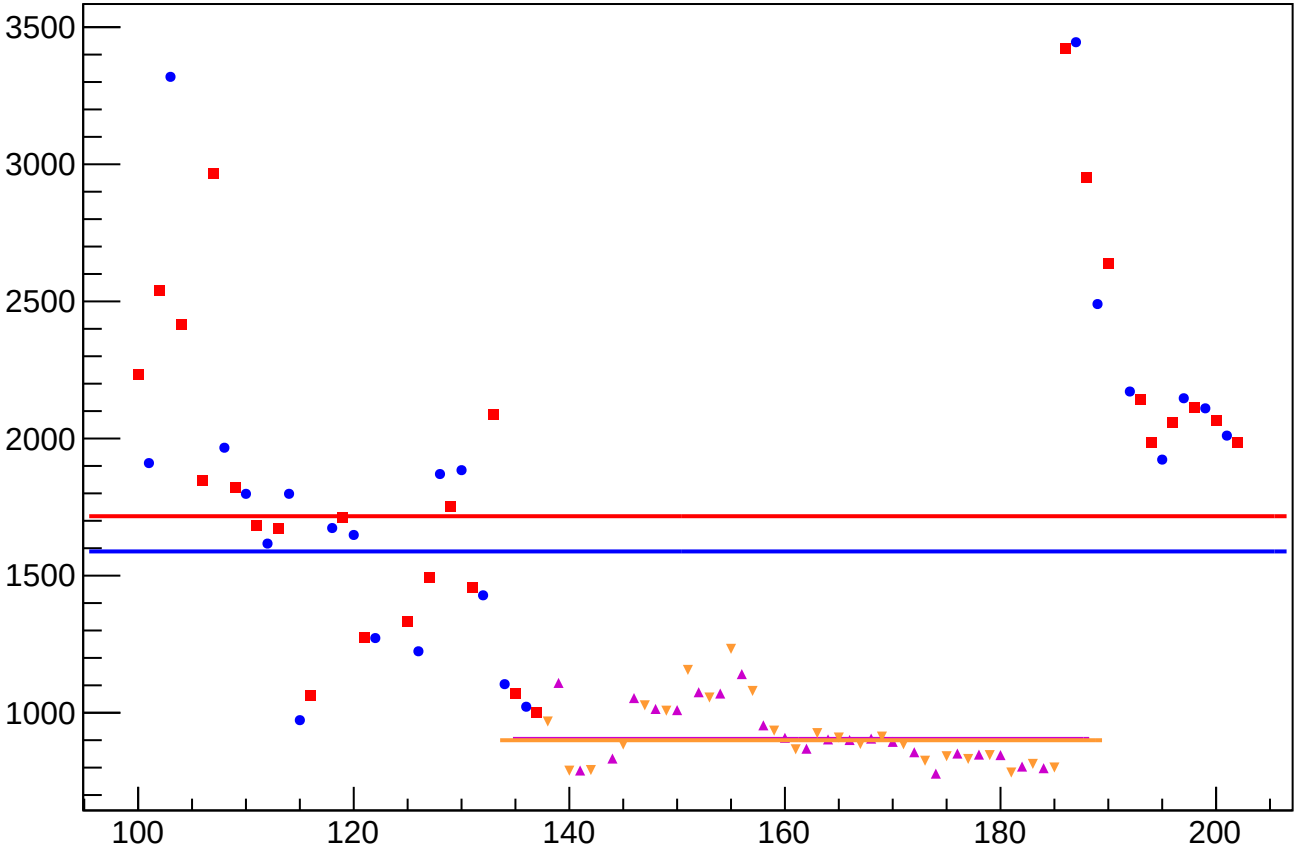
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -900.176+/-192.727 χ^2/NDF: 88.0/46

All: -534.762+/-136.975 χ^2/NDF: 147.8/96

\- sign -161.776+/-194.713 χ^2/NDF: 52.5/49

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1588.272+/-0.336 χ^2/NDF: 2110262.8/22

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

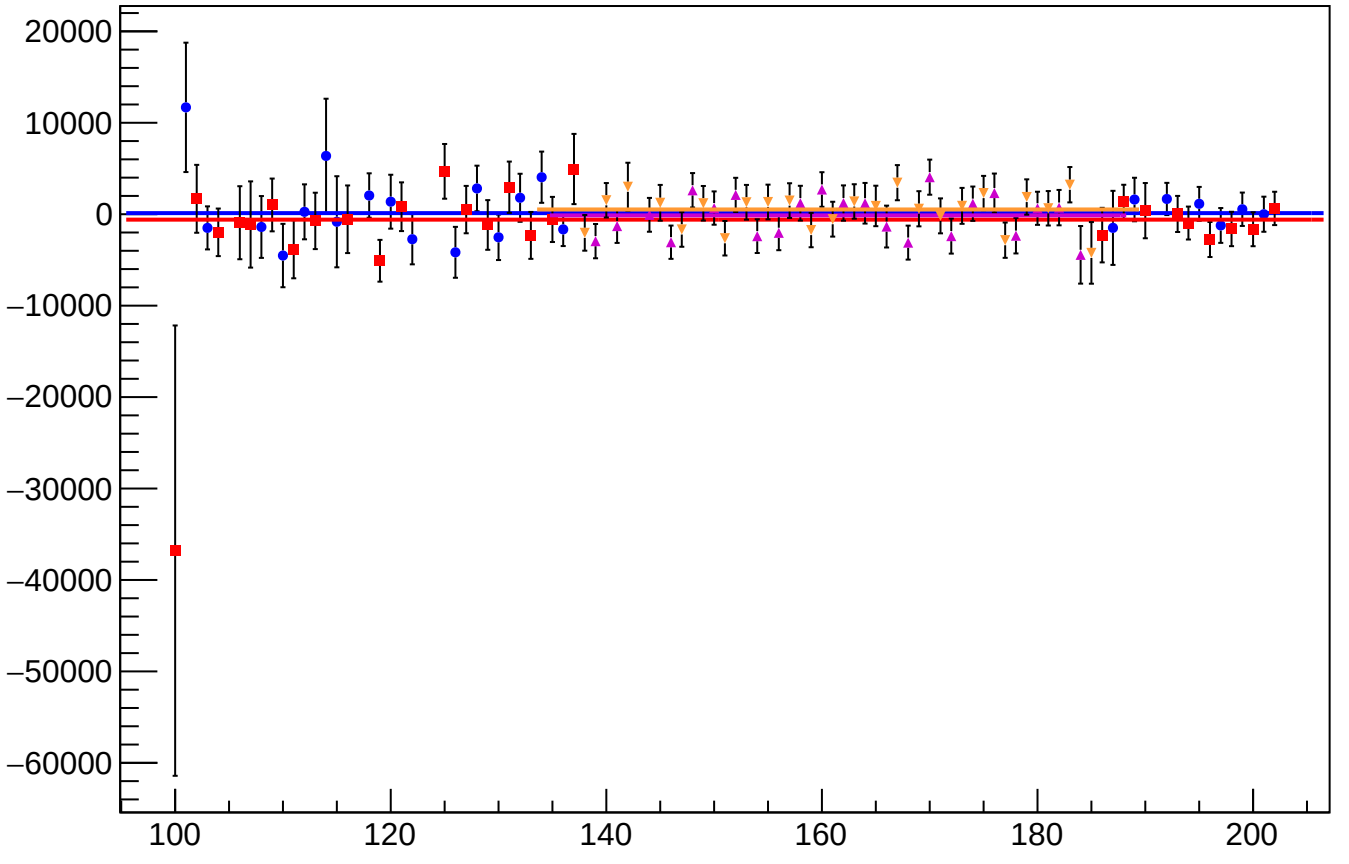
Right Out: 1716.711+/-0.340 χ^2/NDF: 2189035.6/26

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1013.094+/-0.136 χ^2/NDF: 6113887.1/46

All: 1025.363+/-0.097 χ^2/NDF: 13542560.1/9

- sign 1037.885+/-0.138 χ^2/NDF: 7412296.3/49



Right In: 119.586+/-520.777 χ^2/NDF: 18.2/22

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -594.016+/-488.723 χ^2/NDF: 19.8/26

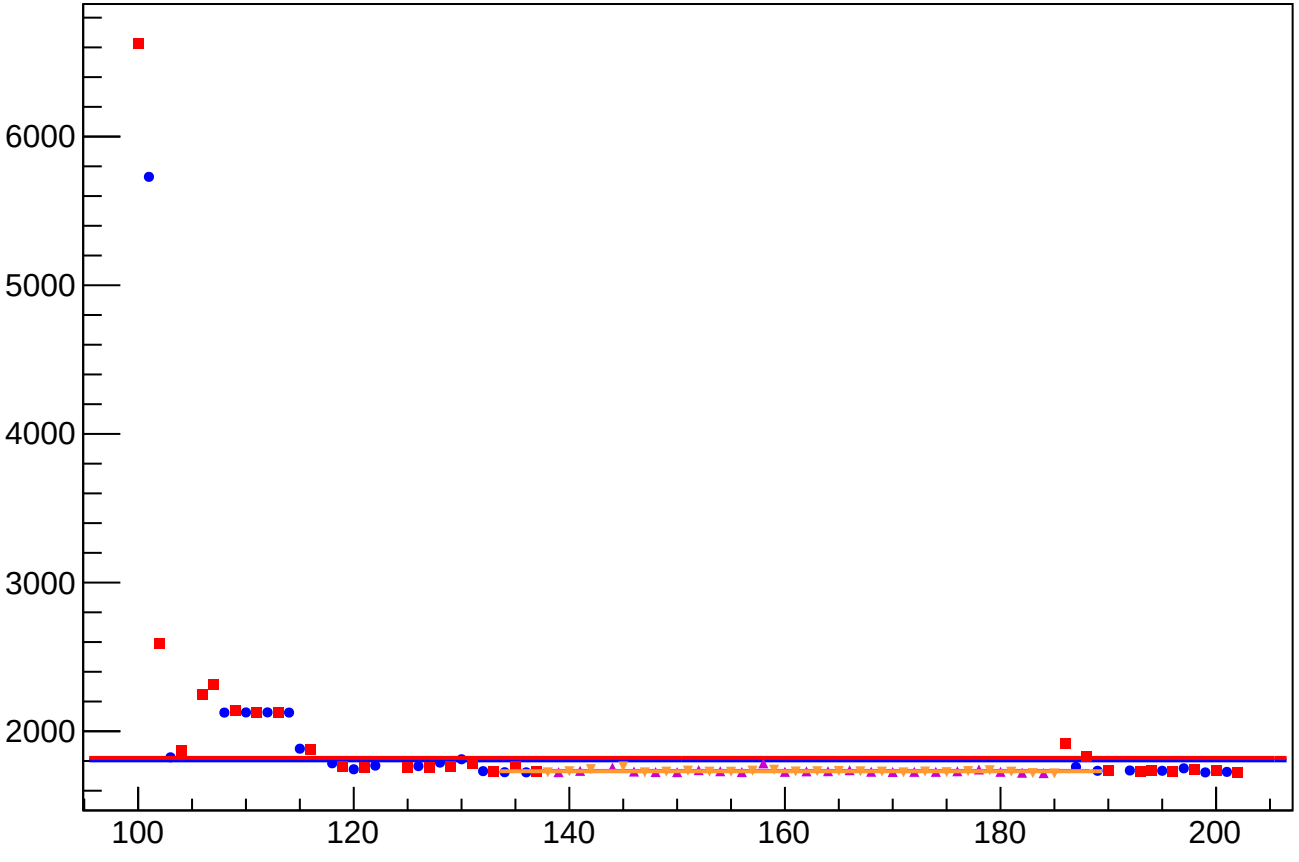
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 370.604+/-318.074 χ^2/NDF: 39.4/46

All: 20.121+/-222.614 χ^2/NDF: 91.6/96

- sign -316.394+/-311.672 χ^2/NDF: 49.8/49

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1804.310+/-0.368 χ^2/NDF: 705325.6/22

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

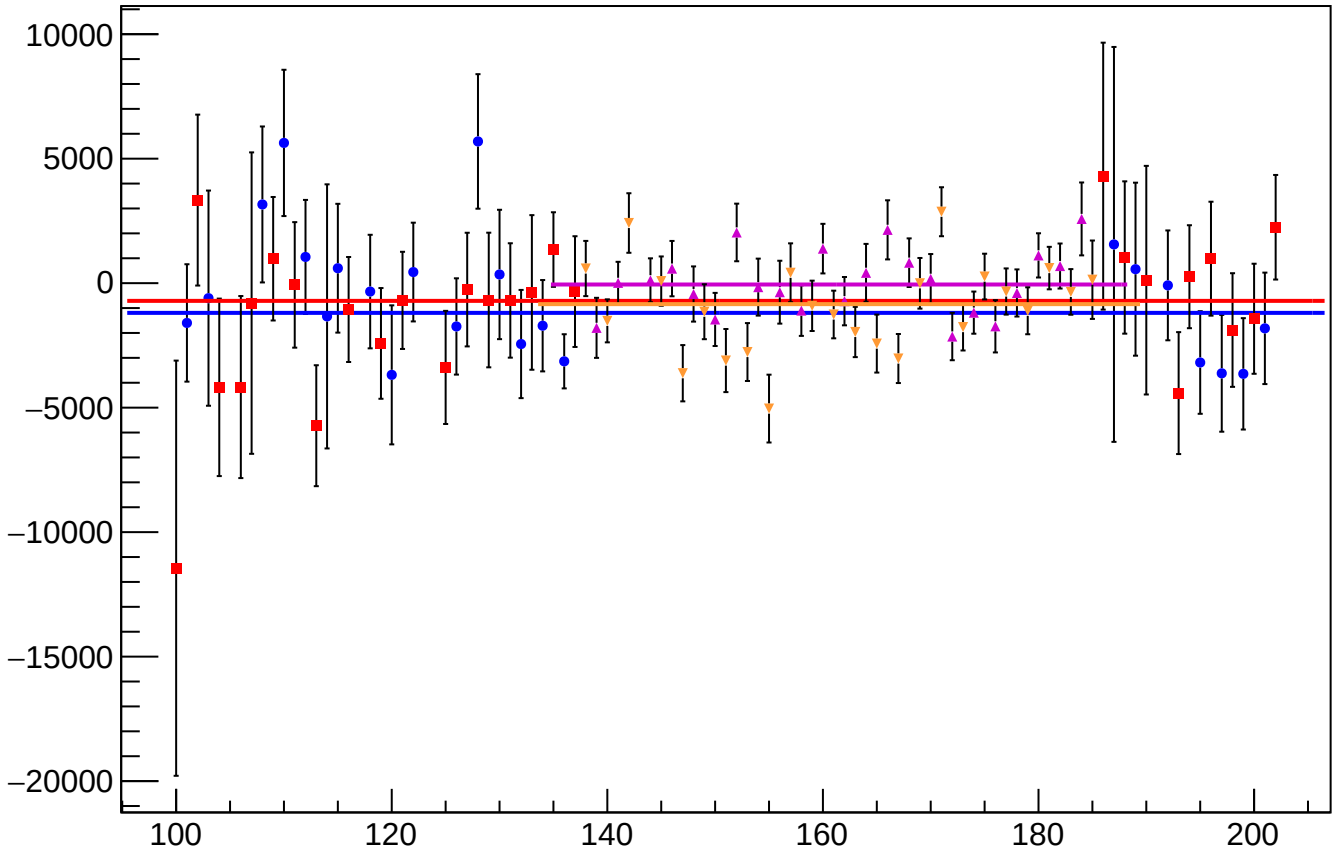
Right Out: 1820.762+/-0.346 χ^2/NDF: 311931.7/26

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1758.252+/-0.225 χ^2/NDF: 731247.5/46

All: 1763.580+/-0.157 χ^2/NDF: 1084775.6/96

- sign 1768.697+/-0.220 χ^2/NDF: 352427.7/49



Right In: -1193.166+/-475.120 χ^2/NDF: 24.9/22

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

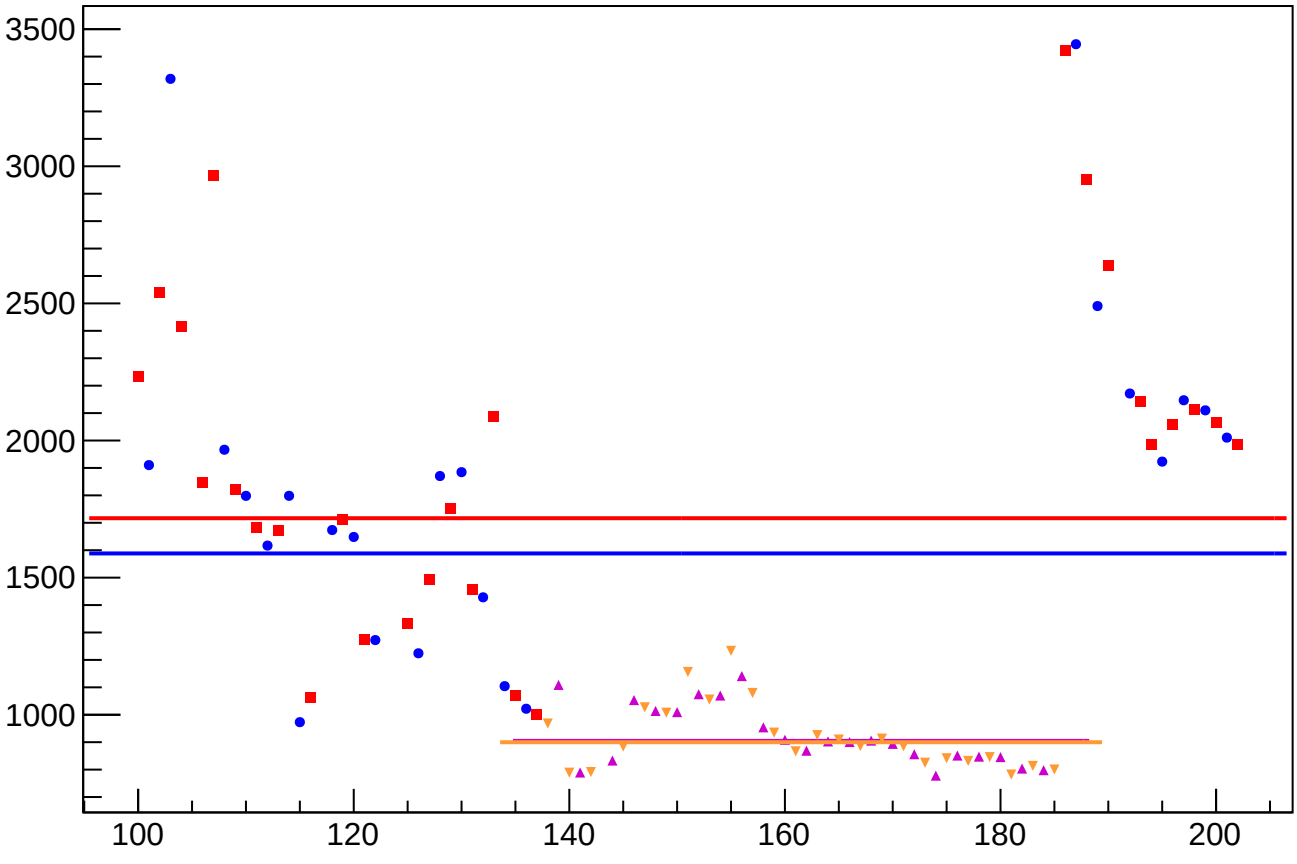
Right Out: -711.274+/-480.710 χ^2/NDF: 20.3/26

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -900.176+/-192.727 χ^2/NDF: 88.0/46

All: -534.762+/-136.975 χ^2/NDF: 147.8/96

- sign -161.776+/-194.713 χ^2/NDF: 52.5/49



Right In: 1588.272+/-0.336 χ^2/NDF: 2110262.8/22

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1716.711+/-0.340 χ^2/NDF: 2189035.6/26

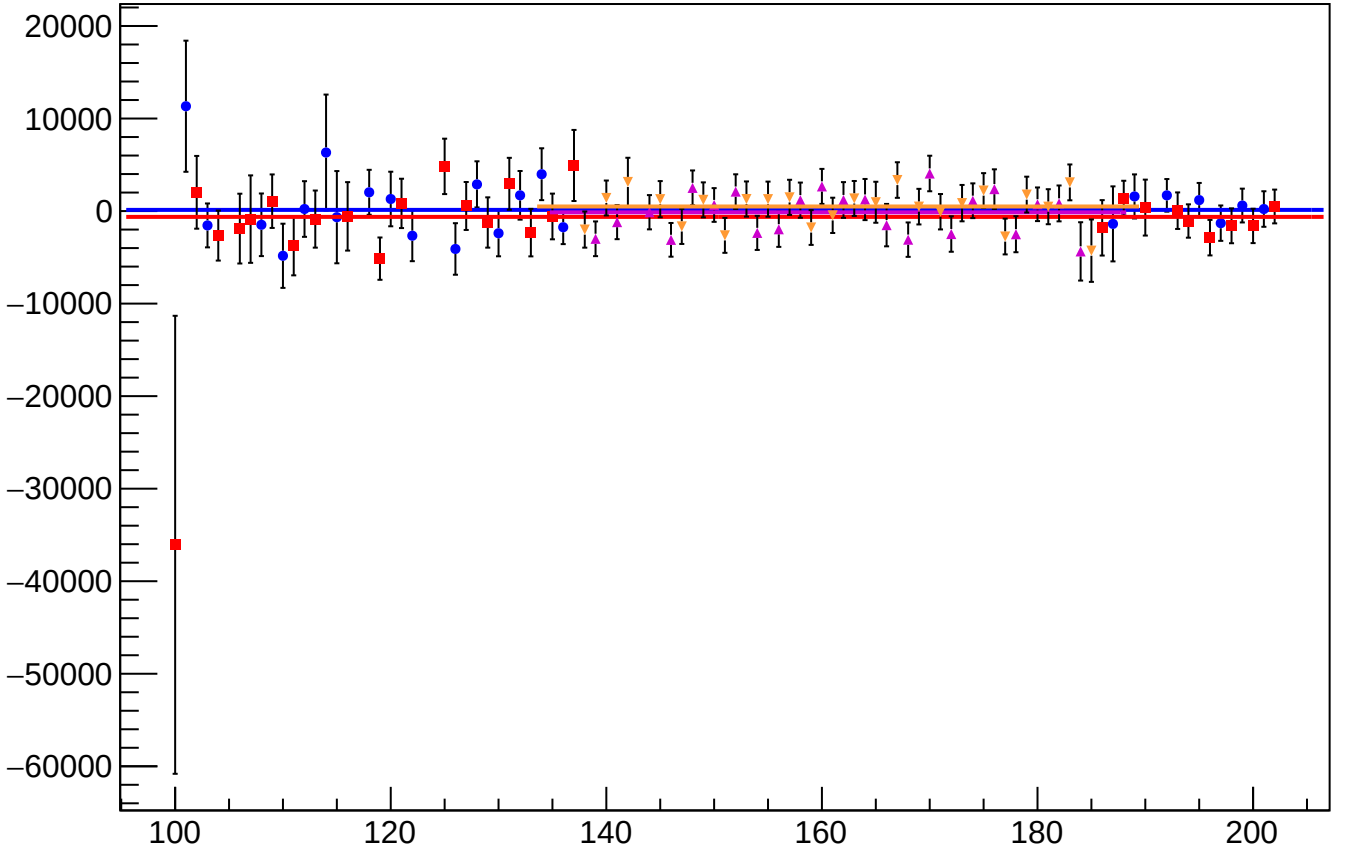
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1013.094+/-0.136 χ^2/NDF: 6113887.1/46

All: 1025.363+/-0.097 χ^2/NDF: 13542560.1/9

- sign 1037.885+/-0.138 χ^2/NDF: 7412296.3/49

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 127.140+/-521.402 χ^2/NDF: 18.2/22

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -629.182+/-489.820 χ^2/NDF: 20.3/26

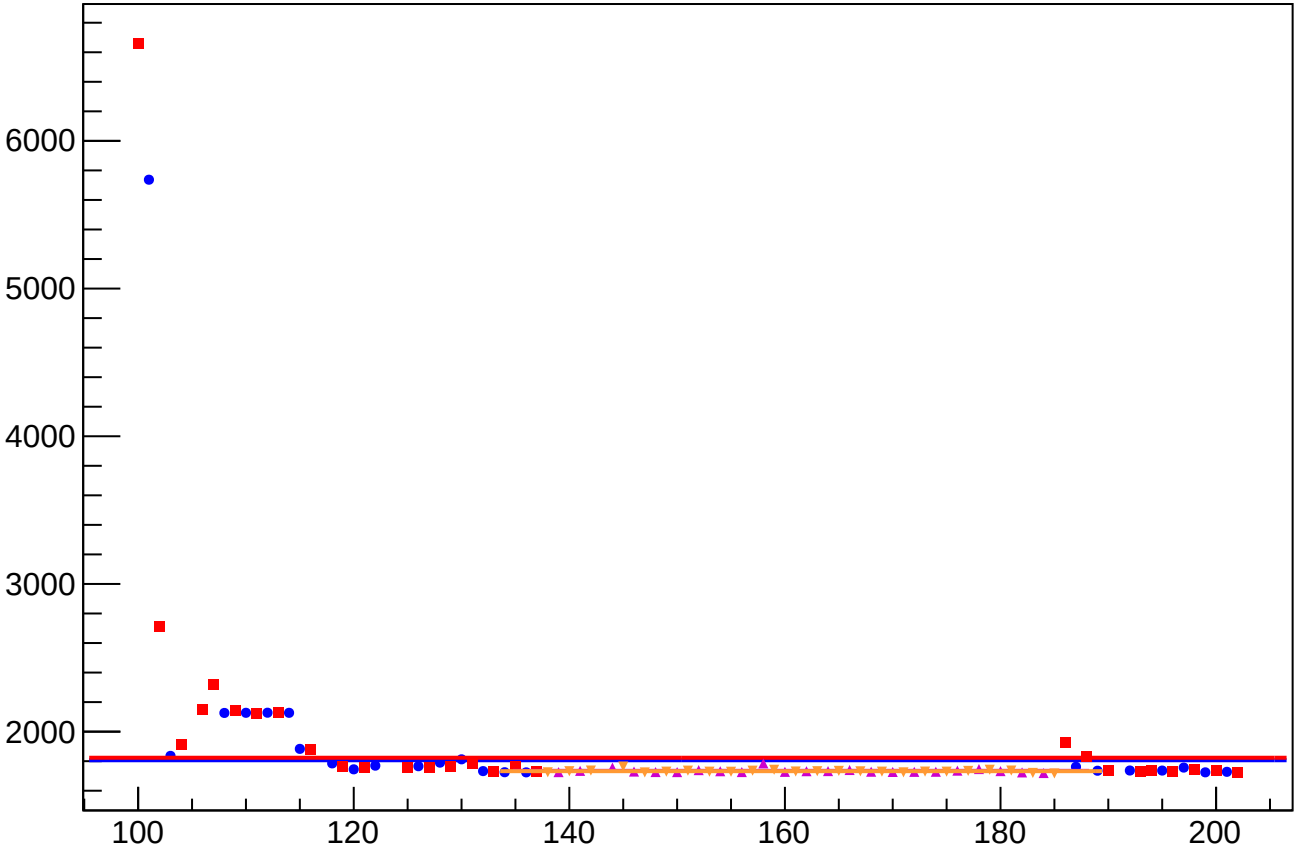
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 357.761+/-318.397 χ^2/NDF: 38.6/46

All: 3.495+/-222.889 χ^2/NDF: 91.5/96

- sign -336.946+/-312.123 χ^2/NDF: 50.5/49

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1806.306+/-0.369 χ^2/NDF: 705533.2/22

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

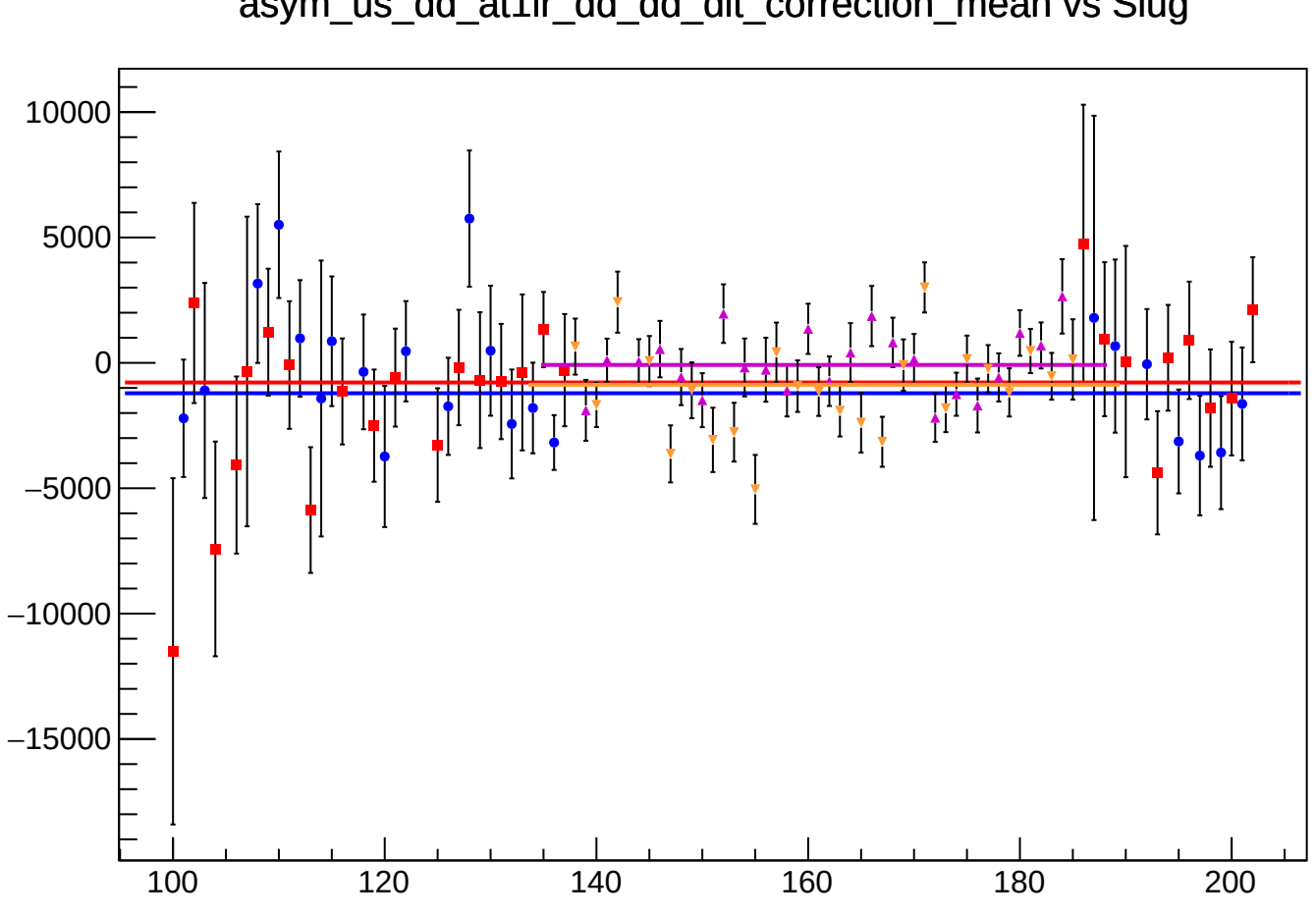
Right Out: 1823.308+/-0.346 χ^2/NDF: 322380.9/26

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1759.952+/-0.225 χ^2/NDF: 731650.2/46

All: 1765.382+/-0.158 χ^2/NDF: 1096376.5/96

- sign 1770.601+/-0.221 χ^2/NDF: 363585.7/49



Right In: -1211.669+/-476.457 χ^2/NDF: 25.1/22

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

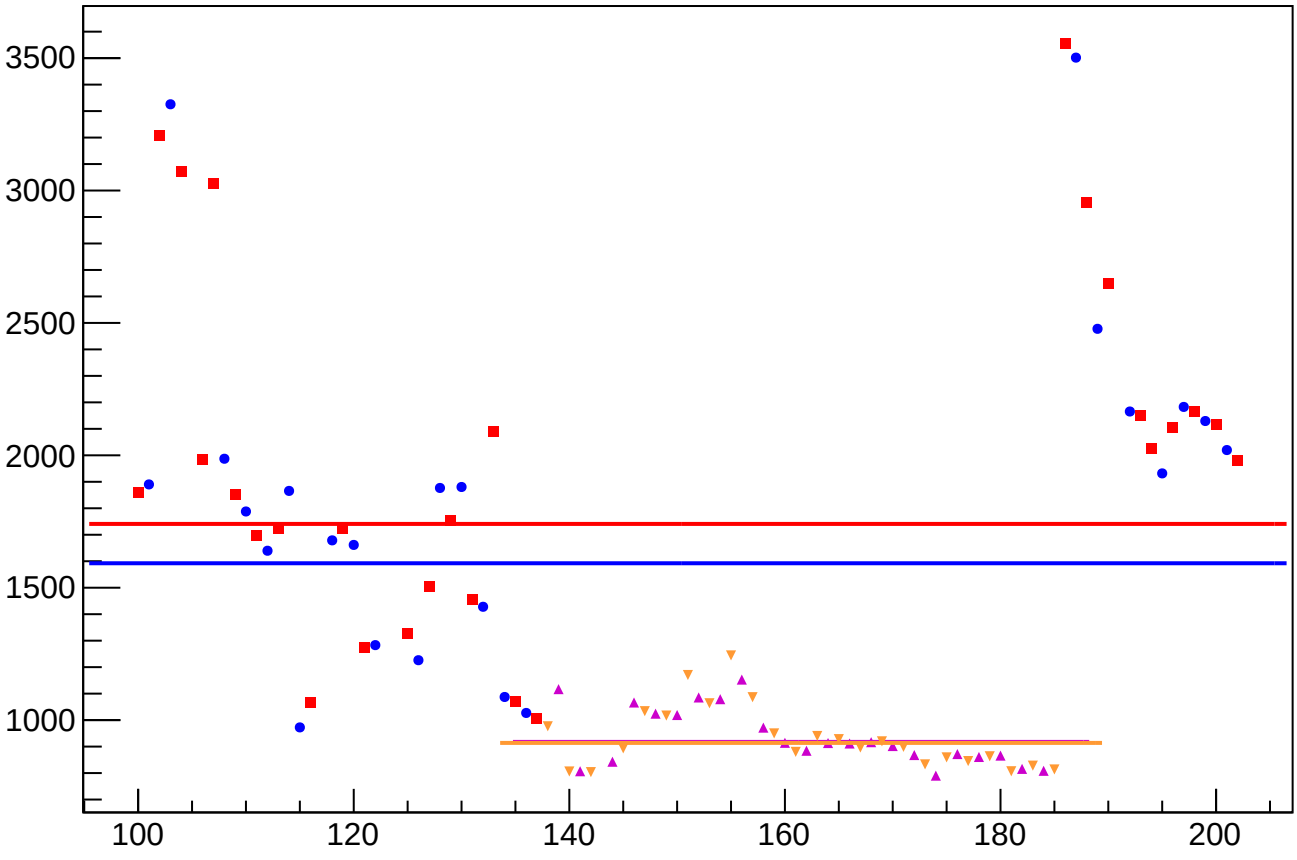
Right Out: -781.973+/-486.739 χ^2/NDF: 21.5/26

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -929.712+/-195.219 χ^2/NDF: 87.5/46

All: -567.209+/-138.794 χ^2/NDF: 147.7/96

- sign -196.688+/-197.366 χ^2/NDF: 53.2/49



Right In: 1592.349+/-0.337 χ^2/NDF: 2134343.1/22

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1740.916+/-0.344 χ^2/NDF: 2530670.3/26

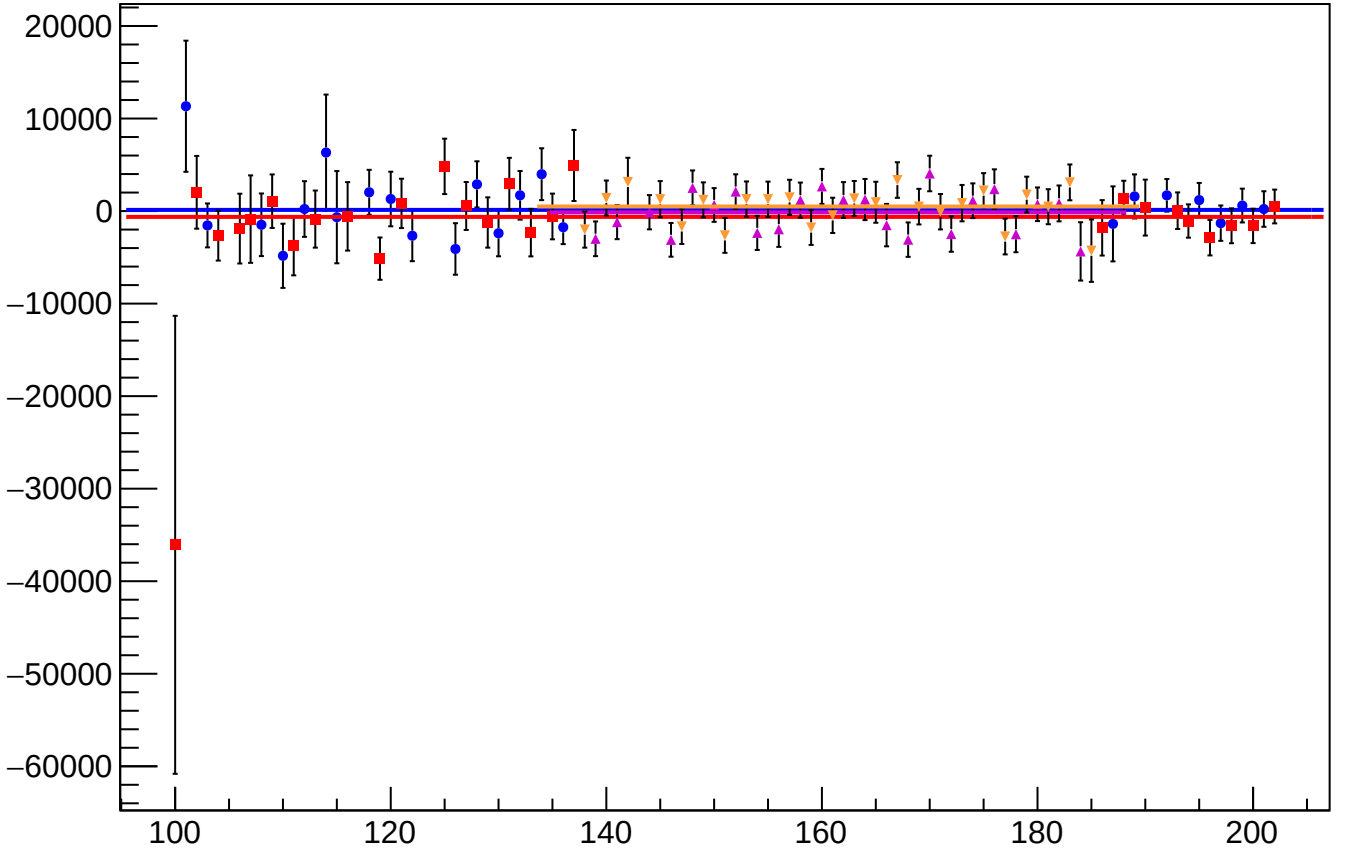
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1027.796+/-0.138 χ^2/NDF: 5971655.1/46

All: 1040.276+/-0.098 χ^2/NDF: 13729938.9/9

- sign 1053.032+/-0.140 χ^2/NDF: 7741757.0/49

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 127.142+/-521.402 χ^2/NDF: 18.2/22

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -629.182+/-489.820 χ^2/NDF: 20.3/26

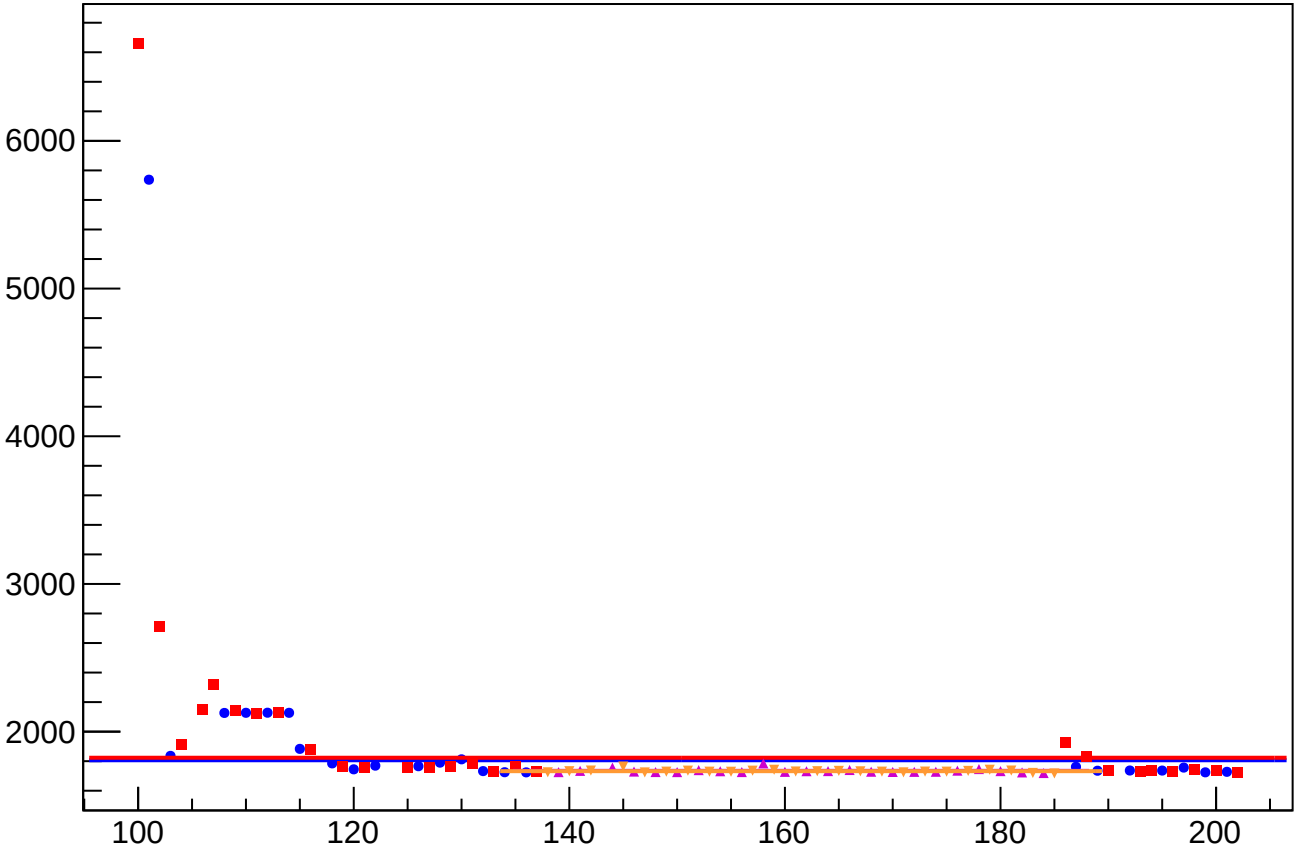
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 357.761+/-318.397 χ^2/NDF: 38.6/46

All: 3.495+/-222.889 χ^2/NDF: 91.5/96

- sign -336.946+/-312.123 χ^2/NDF: 50.5/49

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1806.306+/-0.369 χ^2/NDF: 705533.1/22

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

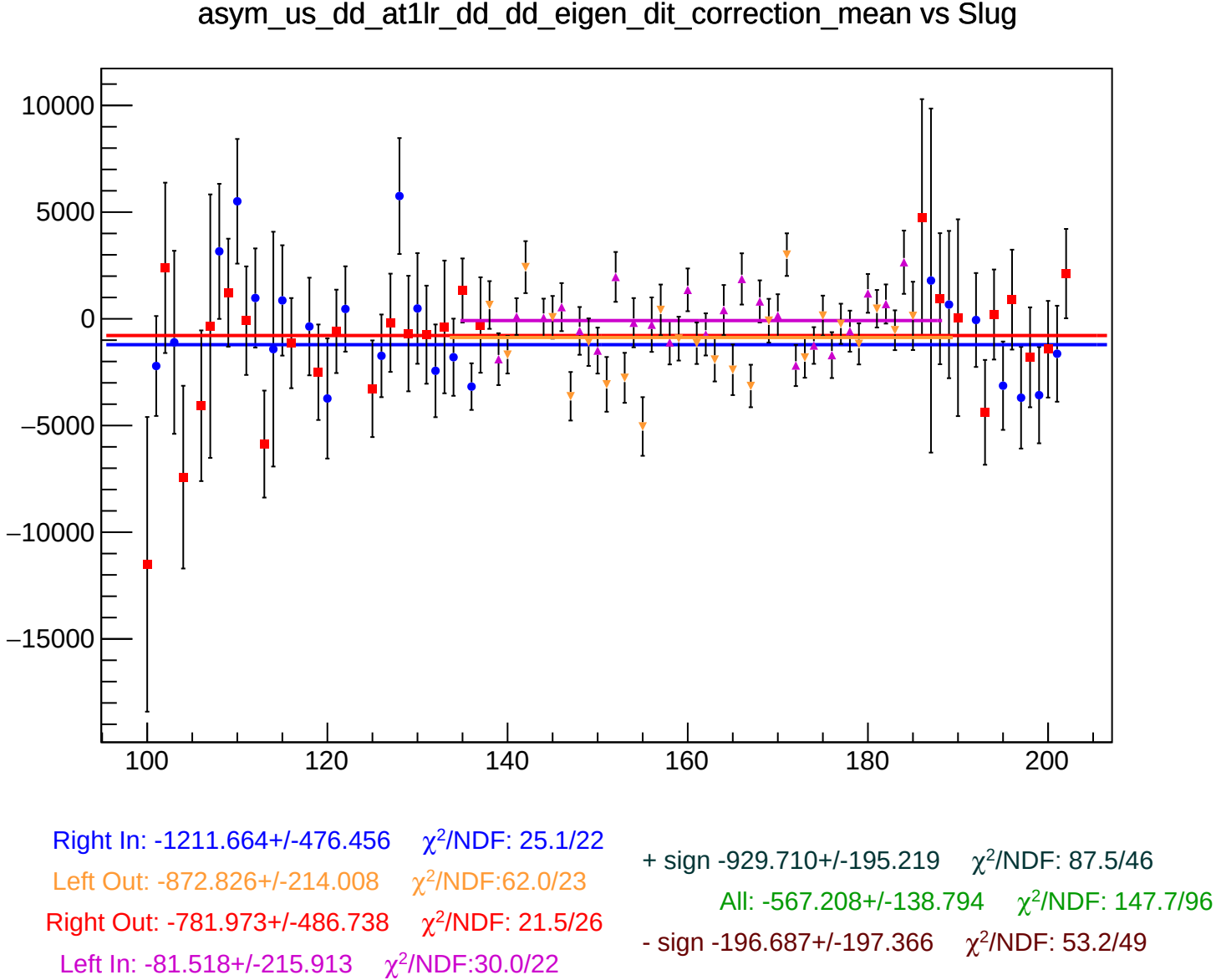
Right Out: 1823.308+/-0.346 χ^2/NDF: 322380.6/26

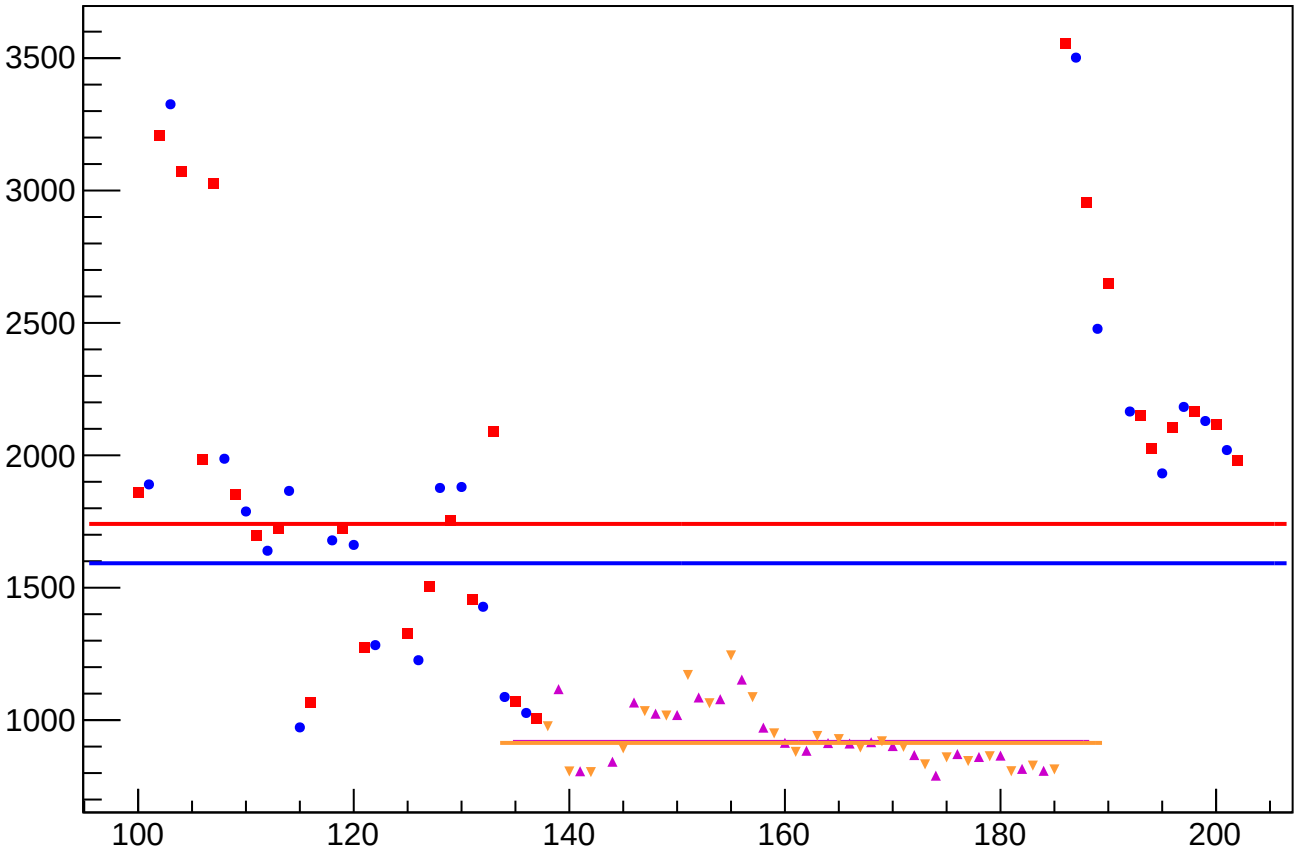
Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1759.952+/-0.225 χ^2/NDF: 731650.1/46

All: 1765.382+/-0.158 χ^2/NDF: 1096376.2/96

- sign 1770.601+/-0.221 χ^2/NDF: 363585.4/49


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1211.664+/-476.456 χ²/NDF: 25.1/22
Left Out: -872.826+/-214.008 χ²/NDF:62.0/23
Right Out: -781.973+/-486.738 χ²/NDF: 21.5/26
Left In: -81.518+/-215.913 χ²/NDF:30.0/22
+ sign -929.710+/-195.219 χ²/NDF: 87.5/46
All: -567.208+/-138.794 χ²/NDF: 147.7/96
- sign -196.687+/-197.366 χ²/NDF: 53.2/49



Right In: 1592.345+/-0.337 χ^2/NDF: 2134350.3/22

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1740.914+/-0.344 χ^2/NDF: 2530679.8/26

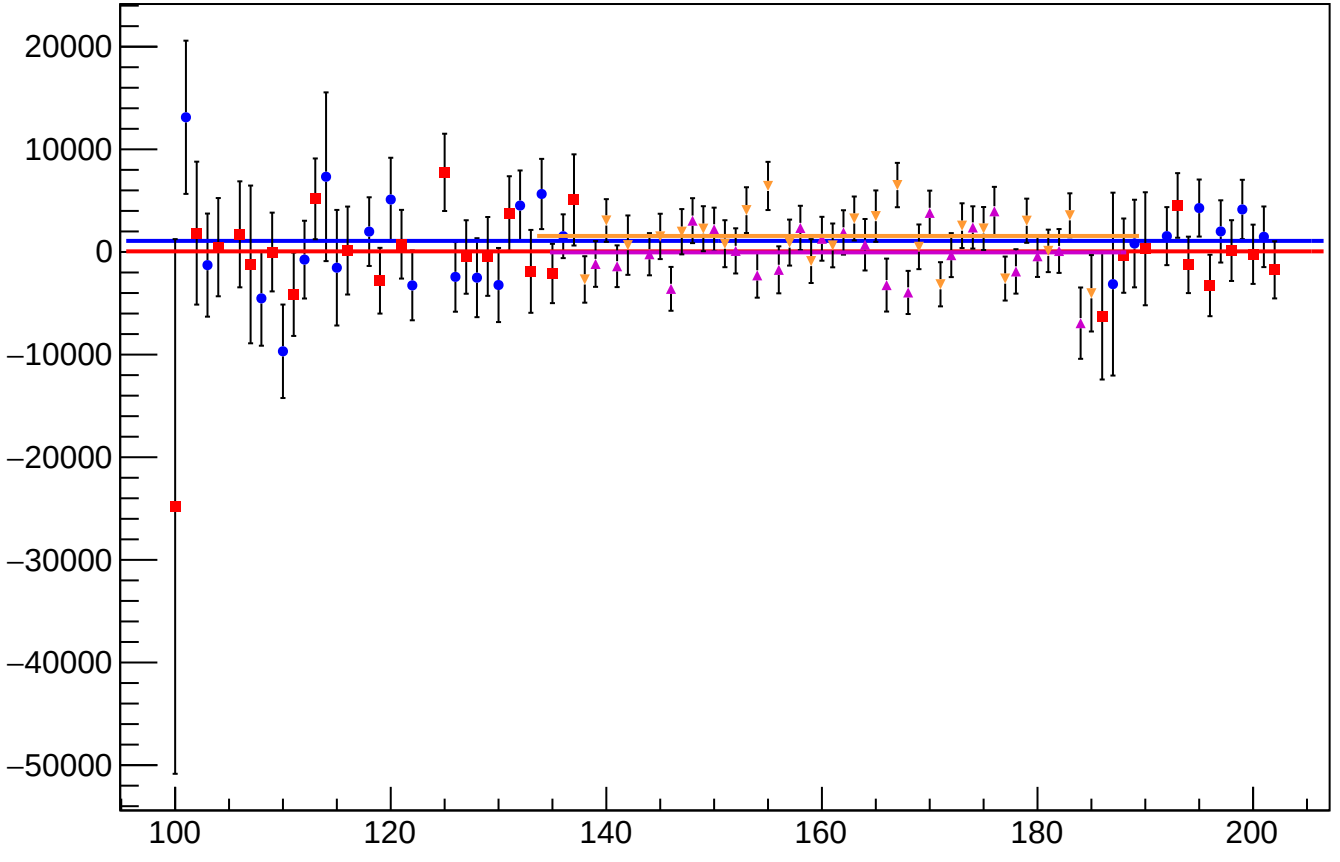
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1027.796+/-0.138 χ^2/NDF: 5971653.5/46

All: 1040.275+/-0.098 χ^2/NDF: 13729945.4/9

- sign 1053.031+/-0.140 χ^2/NDF: 7741765.0/49

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1079.317+/-746.942 χ^2/NDF: 22.6/22

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 59.659+/-721.331 χ^2/NDF: 17.0/26

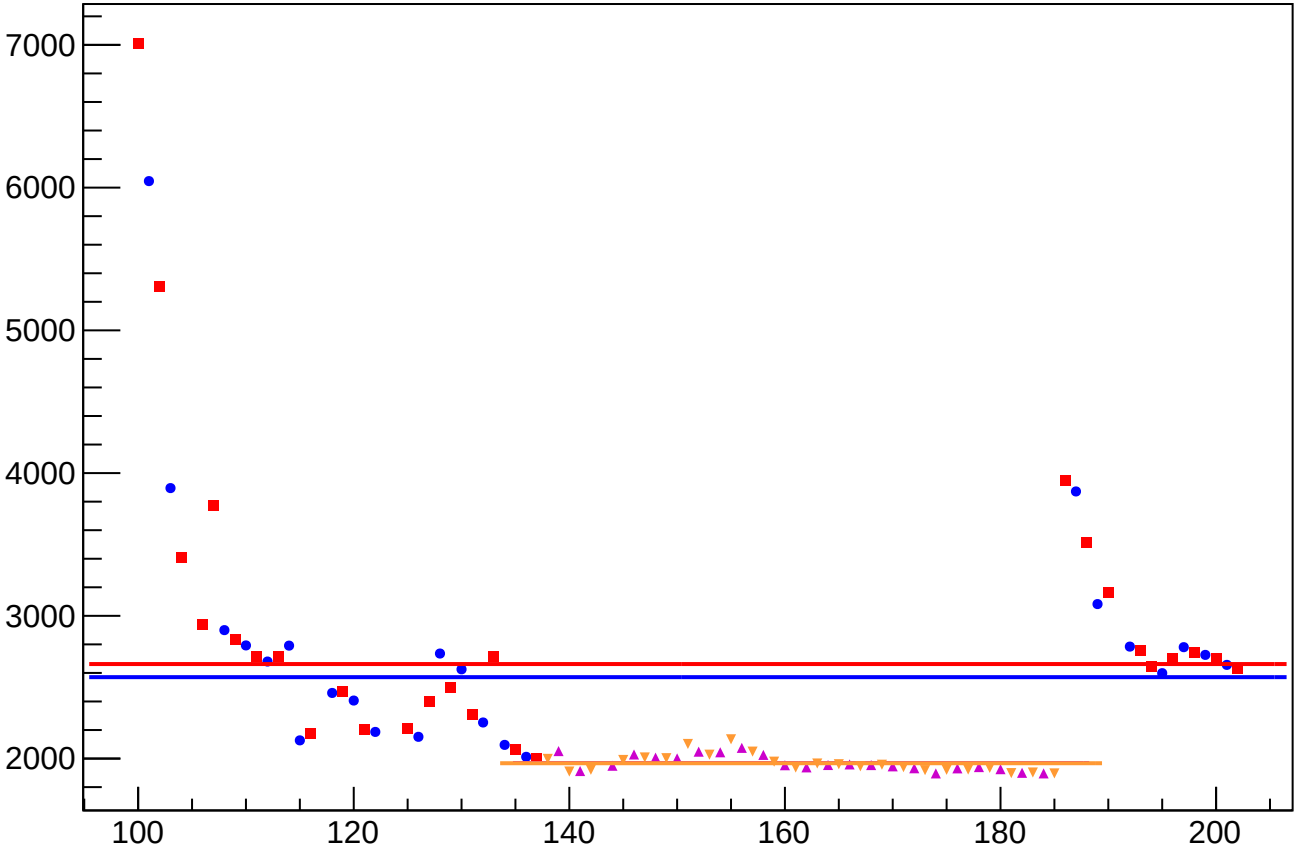
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1430.111+/-389.753 χ^2/NDF: 54.1/46

All: 705.899+/-274.907 χ^2/NDF: 105.8/96

- sign -11.112+/-387.810 χ^2/NDF: 44.8/49

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2570.406+/-0.528 χ^2/NDF: 961422.7/22

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

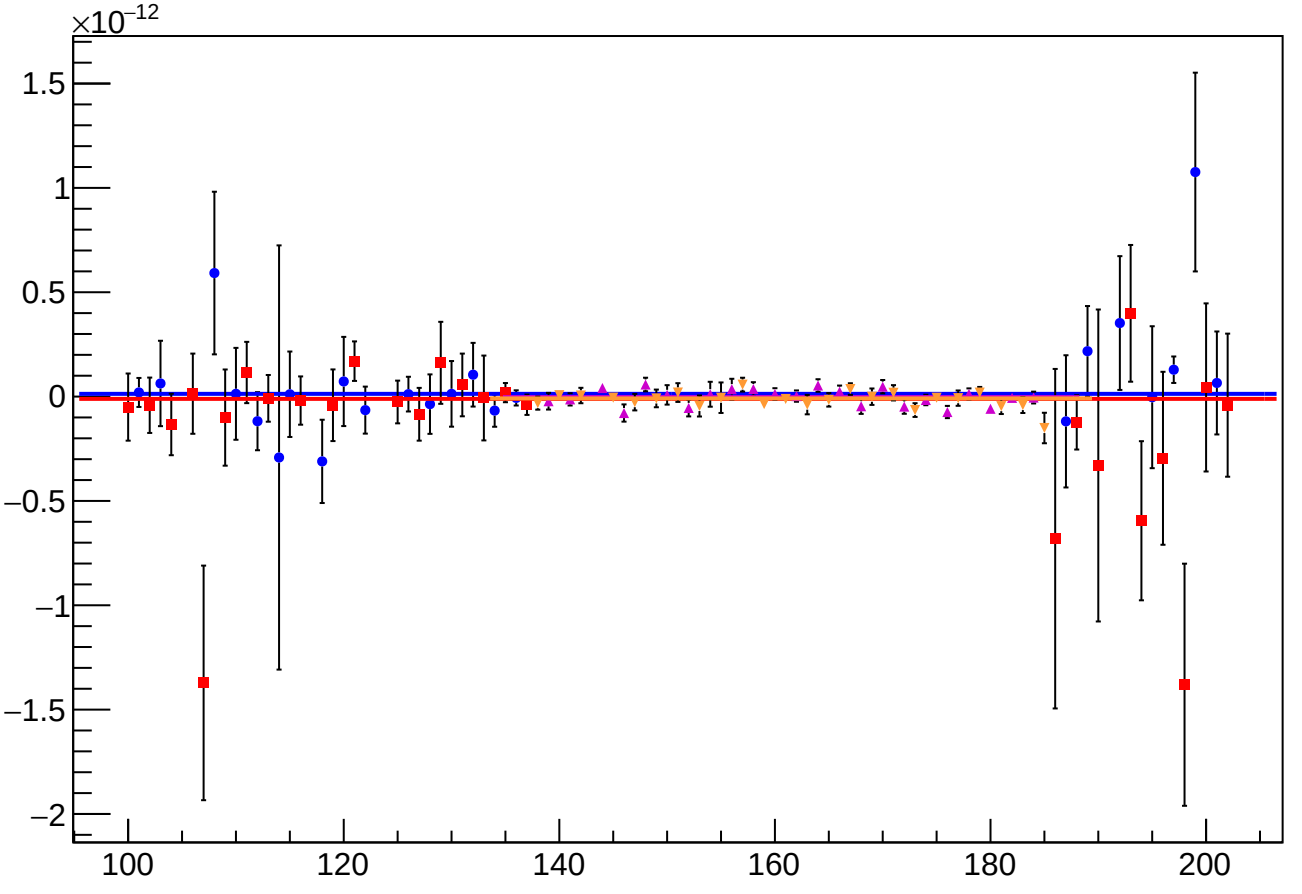
Right Out: 2662.242+/-0.510 χ^2/NDF: 926569.2/26

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2131.593+/-0.276 χ^2/NDF: 1944156.9/46

All: 2150.589+/-0.194 χ^2/NDF: 4219945.6/96

- sign 2169.396+/-0.274 χ^2/NDF: 2266334.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

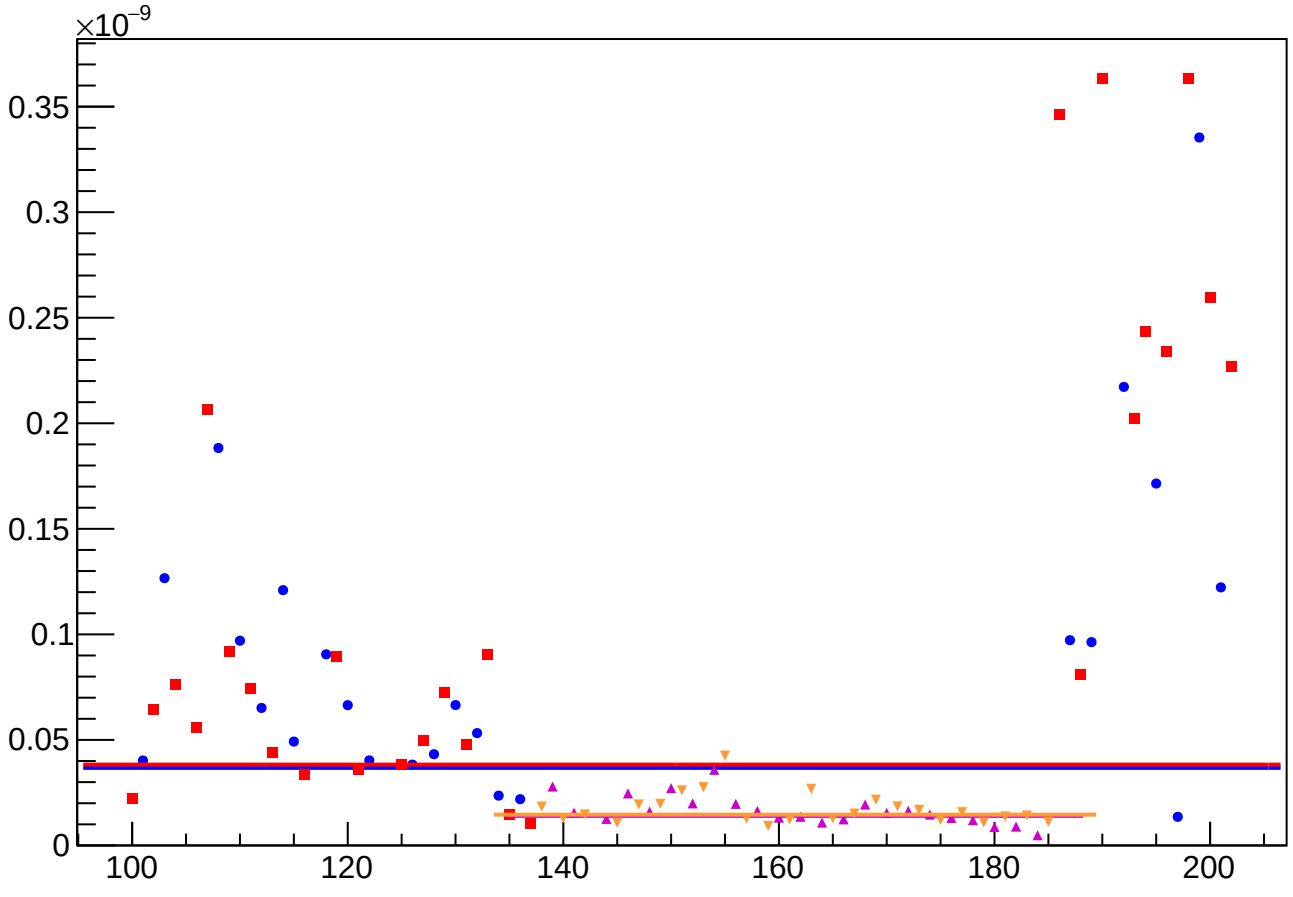
Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/26

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/46

All: -0.000+/-0.000 χ^2/NDF: 104.7/96

- sign -0.000+/-0.000 χ^2/NDF: 64.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 4090581.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6474496.4/26

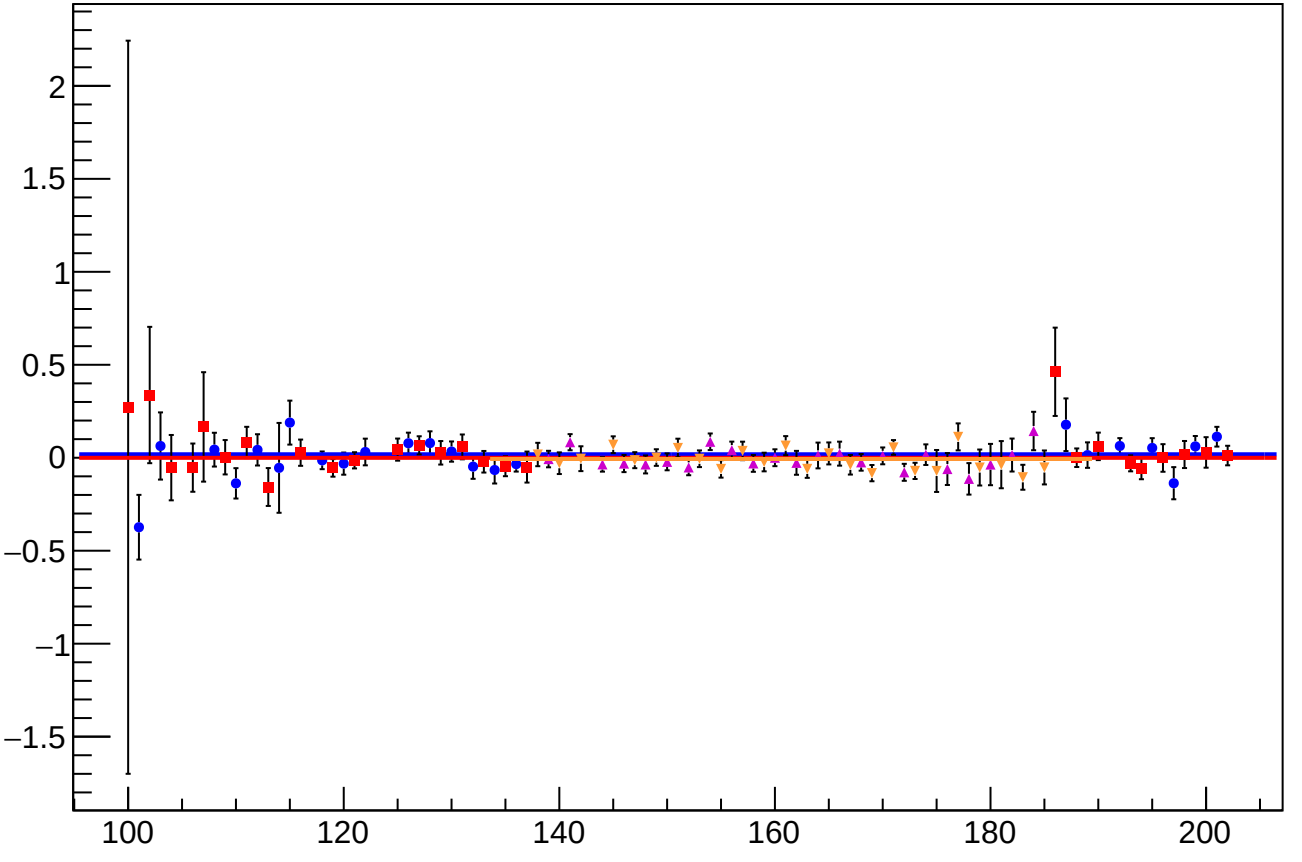
Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7070393.2/46

All: 0.000+/-0.000 χ^2/NDF: 16947473.0/96

- sign 0.000+/-0.000 χ^2/NDF: 9866530.7/49

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.000+/-0.013 χ^2/NDF: 17.2/26

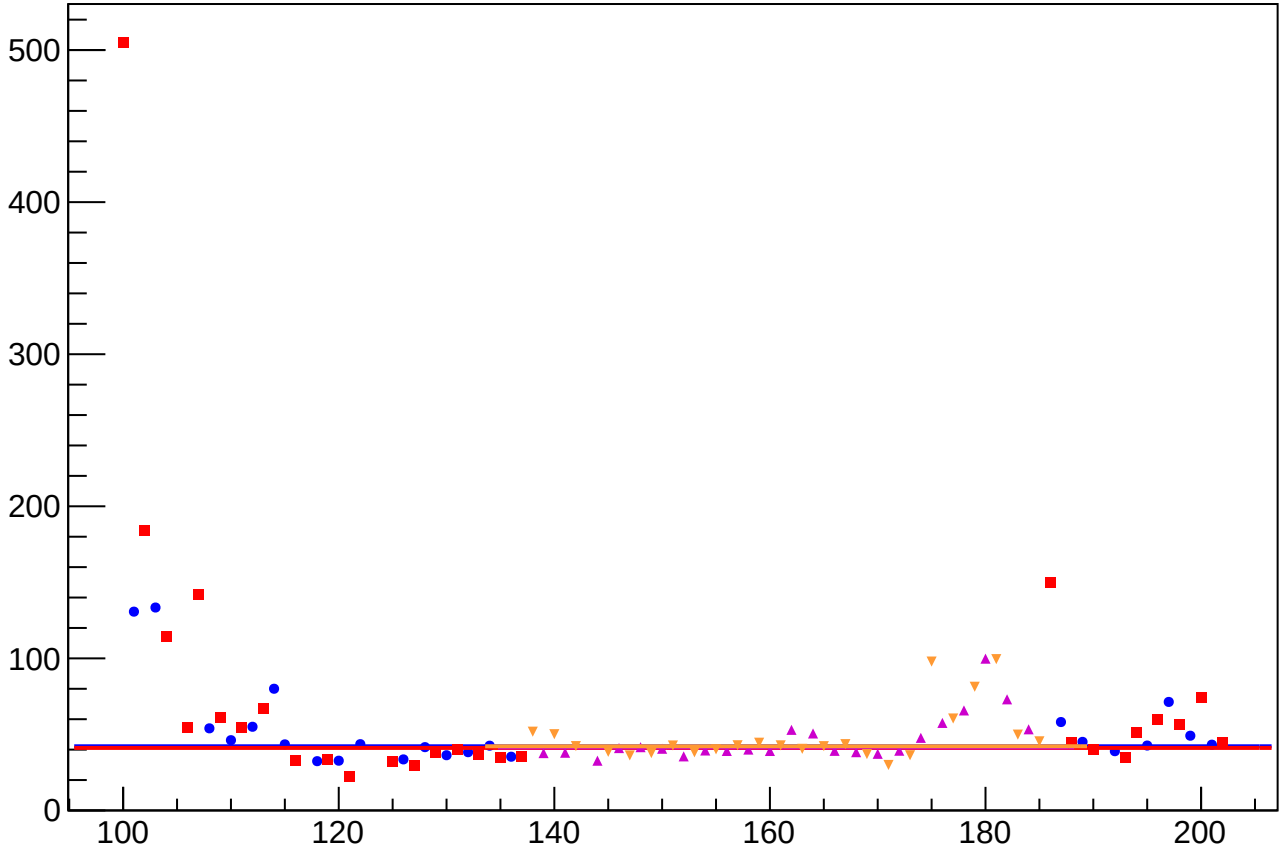
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.003+/-0.009 χ^2/NDF: 54.4/46

All: -0.000+/-0.006 χ^2/NDF: 92.1/96

- sign -0.004+/-0.008 χ^2/NDF: 37.3/49

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 42.189+/-0.010 χ^2/NDF: 1733709.1/22

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

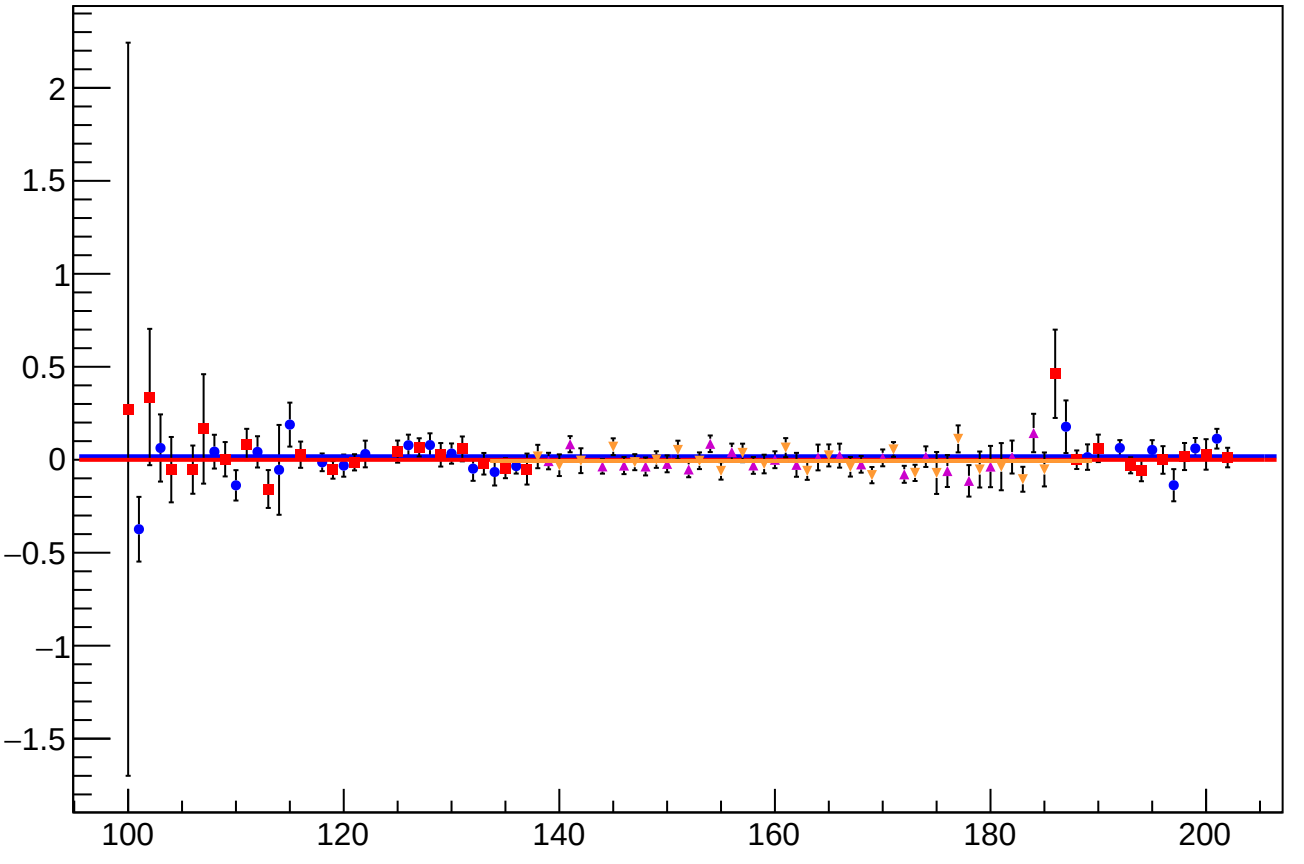
Right Out: 41.122+/-0.009 χ^2/NDF: 3053179.5/26

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 42.201+/-0.006 χ^2/NDF: 3553082.5/46

All: 41.738+/-0.004 χ^2/NDF: 8030591.8/96

- sign 41.299+/-0.006 χ^2/NDF: 4465986.3/49



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

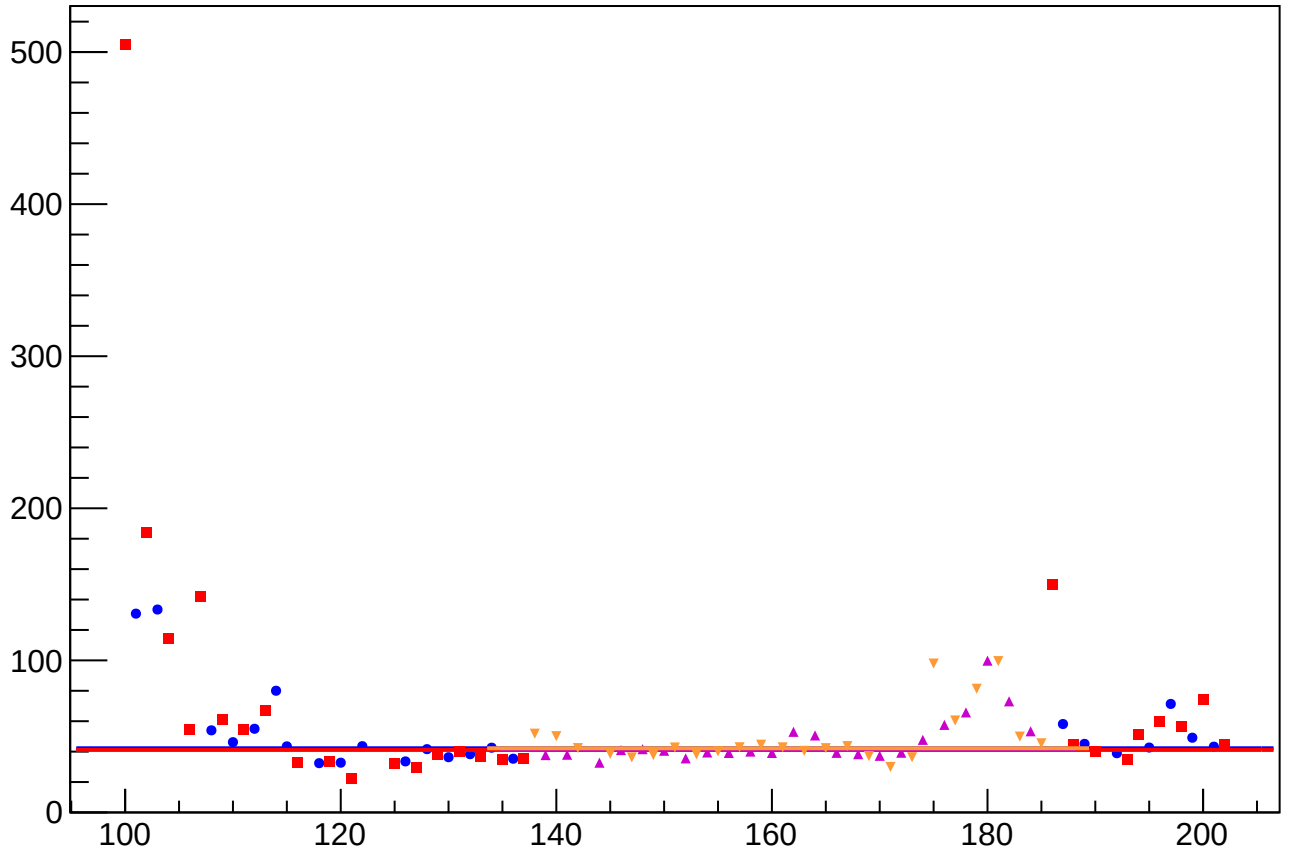
Right Out: -0.000+/-0.013 χ^2/NDF: 17.2/26

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.003+/-0.009 χ^2/NDF: 54.4/46

All: -0.000+/-0.006 χ^2/NDF: 92.1/96

- sign -0.004+/-0.008 χ^2/NDF: 37.3/49



Right In: 42.189+/-0.010 χ^2/NDF: 1733709.1/22

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

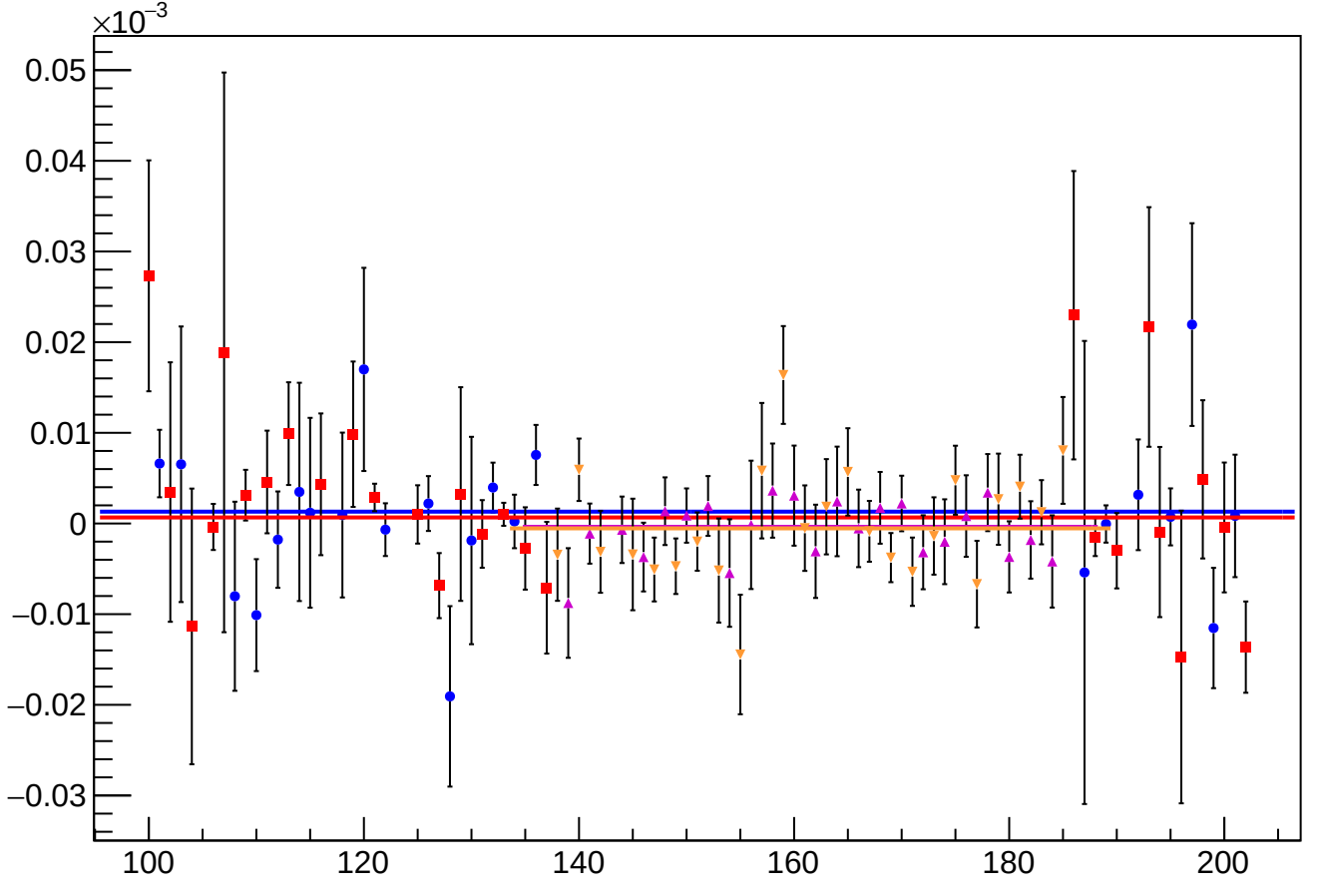
Right Out: 41.122+/-0.009 χ^2/NDF: 3053179.5/26

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 42.201+/-0.006 χ^2/NDF: 3553082.5/46

All: 41.738+/-0.004 χ^2/NDF: 8030591.8/96

- sign 41.299+/-0.006 χ^2/NDF: 4465986.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

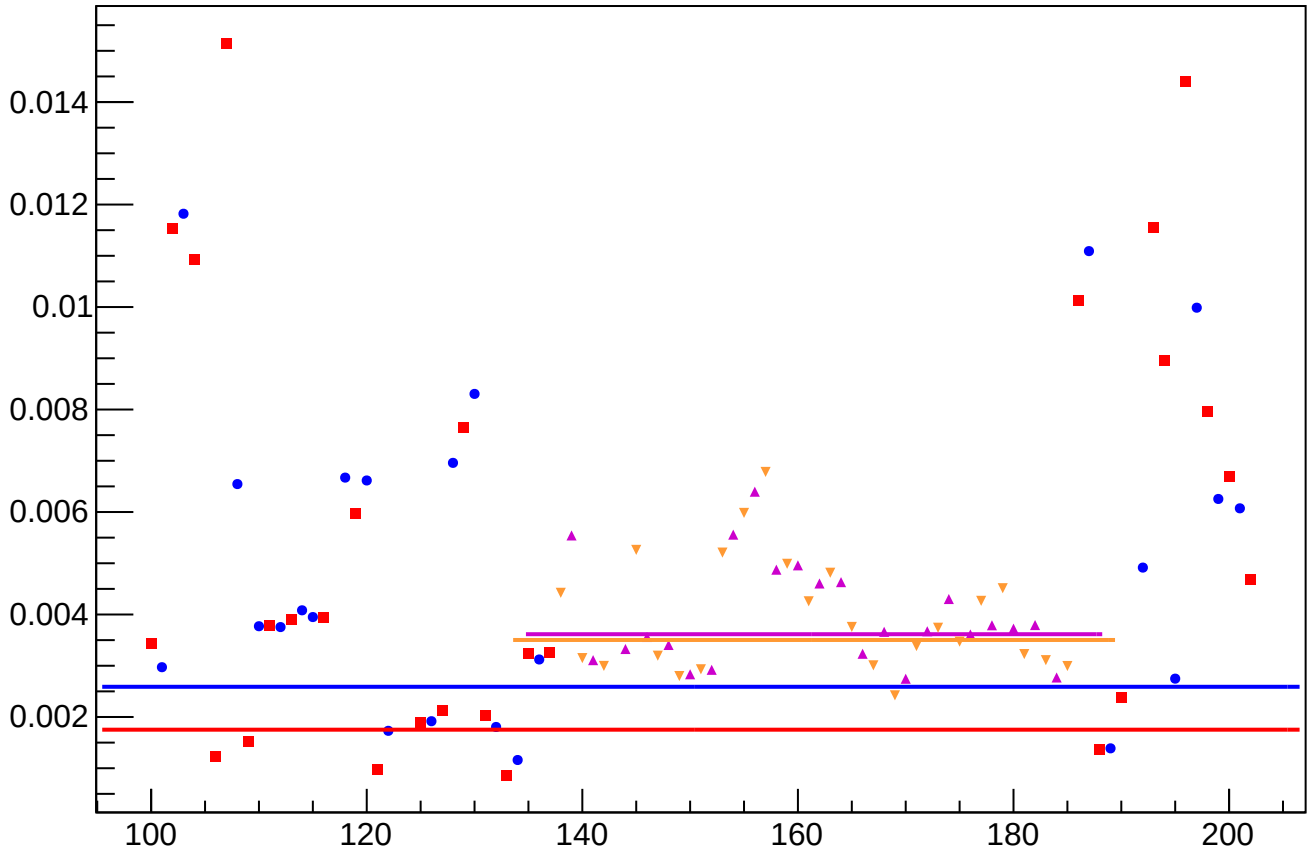
Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/26

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/46

All: 0.000+/-0.000 χ^2/NDF: 110.7/96

- sign 0.000+/-0.000 χ^2/NDF: 45.7/49



Right In: 0.003+/-0.000 χ^2/NDF: 7002335.8/22

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

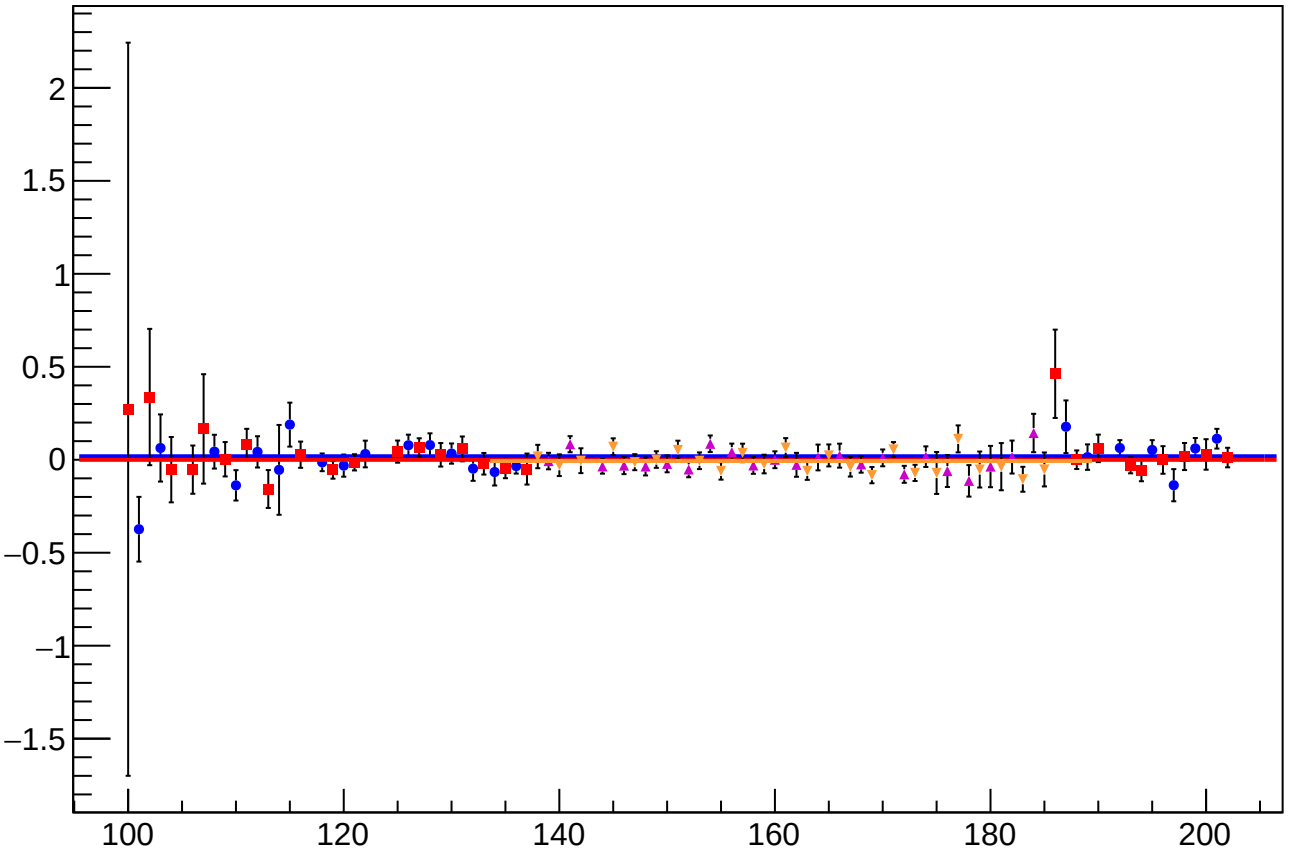
Right Out: 0.002+/-0.000 χ^2/NDF: 12628522.6/26

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 10266113.7/46

All: 0.003+/-0.000 χ^2/NDF: 31393071.6/96

- sign 0.002+/-0.000 χ^2/NDF: 19966448.7/49



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

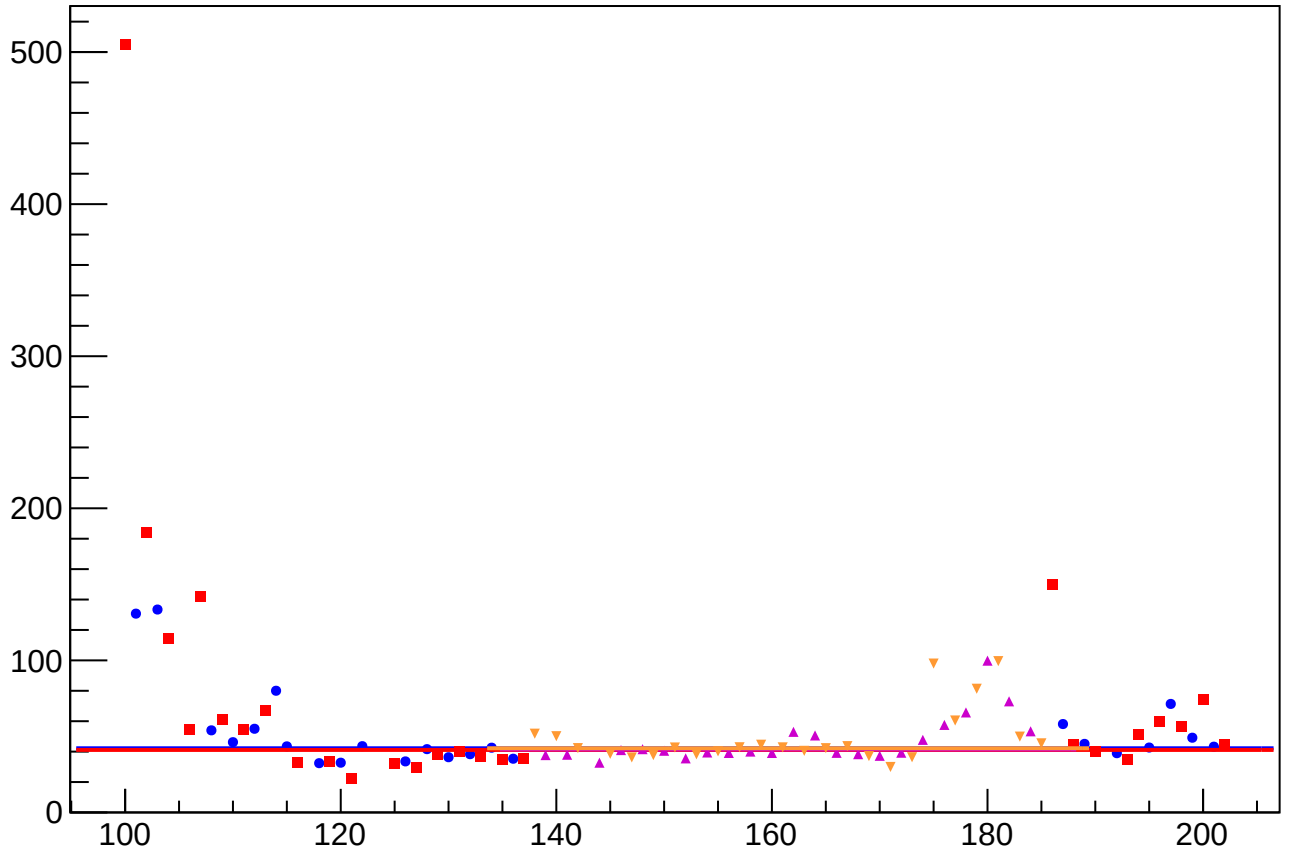
Right Out: -0.000+/-0.013 χ^2/NDF: 17.2/26

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.003+/-0.009 χ^2/NDF: 54.4/46

All: -0.000+/-0.006 χ^2/NDF: 92.1/96

- sign -0.004+/-0.008 χ^2/NDF: 37.3/49



Right In: 42.190+/-0.010 χ^2/NDF: 1733590.1/22

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

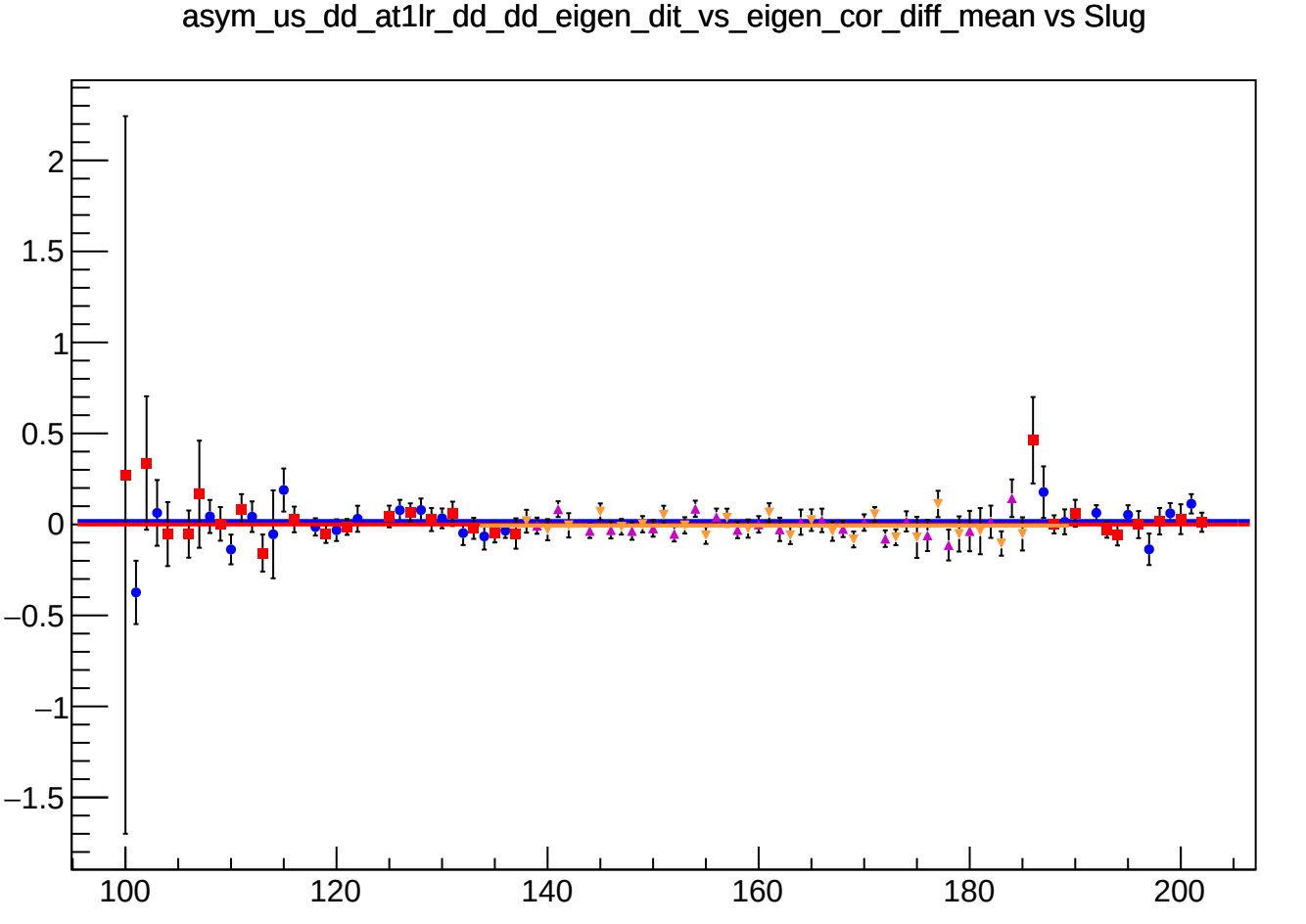
Right Out: 41.121+/-0.009 χ^2/NDF: 3053366.4/26

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 42.201+/-0.006 χ^2/NDF: 3552970.6/46

All: 41.737+/-0.004 χ^2/NDF: 8030617.7/96

- sign 41.299+/-0.006 χ^2/NDF: 4466110.3/49



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

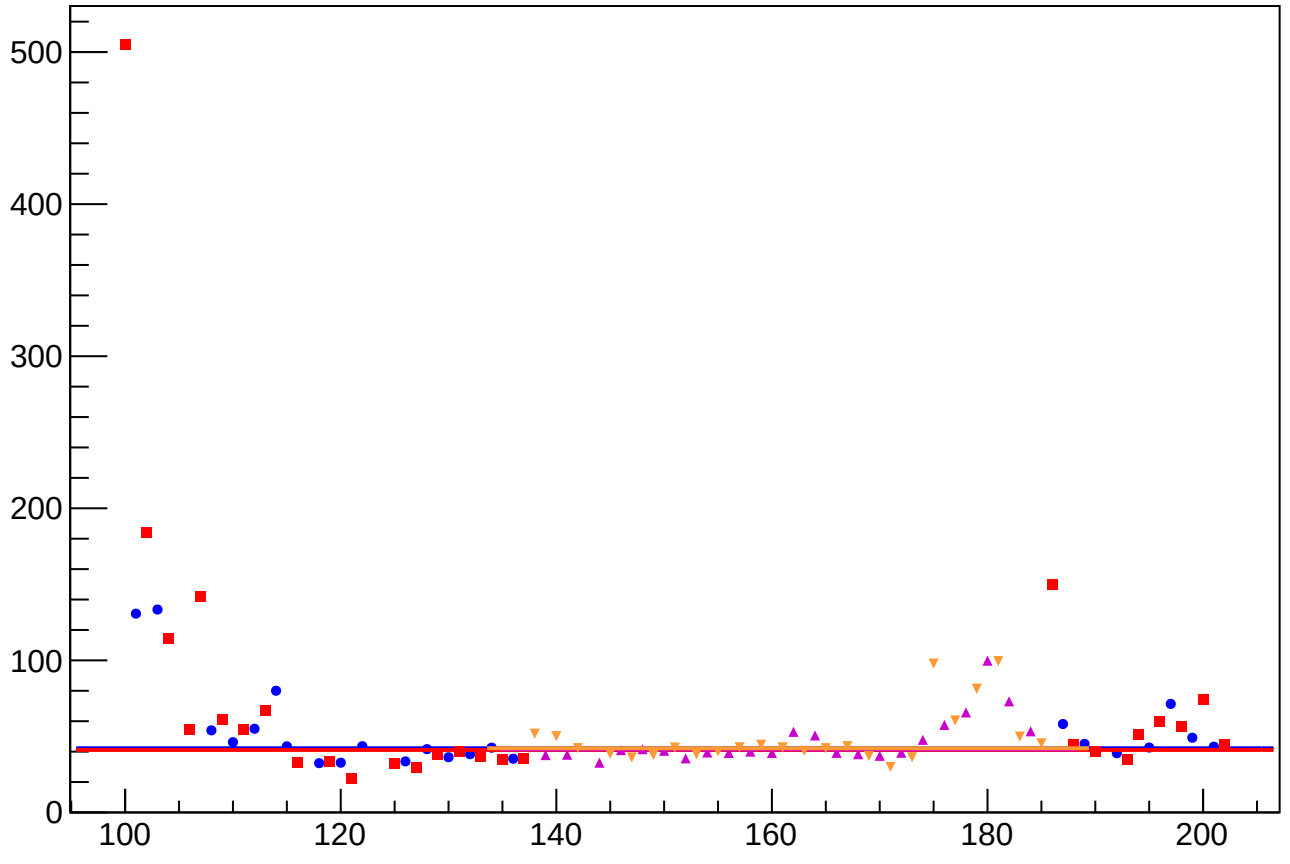
Right Out: -0.000+/-0.013 χ^2/NDF: 17.2/26

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.003+/-0.009 χ^2/NDF: 54.4/46

All: -0.000+/-0.006 χ^2/NDF: 92.1/96

- sign -0.004+/-0.008 χ^2/NDF: 37.3/49



Right In: 42.190+/-0.010 χ^2/NDF: 1733590.1/22

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

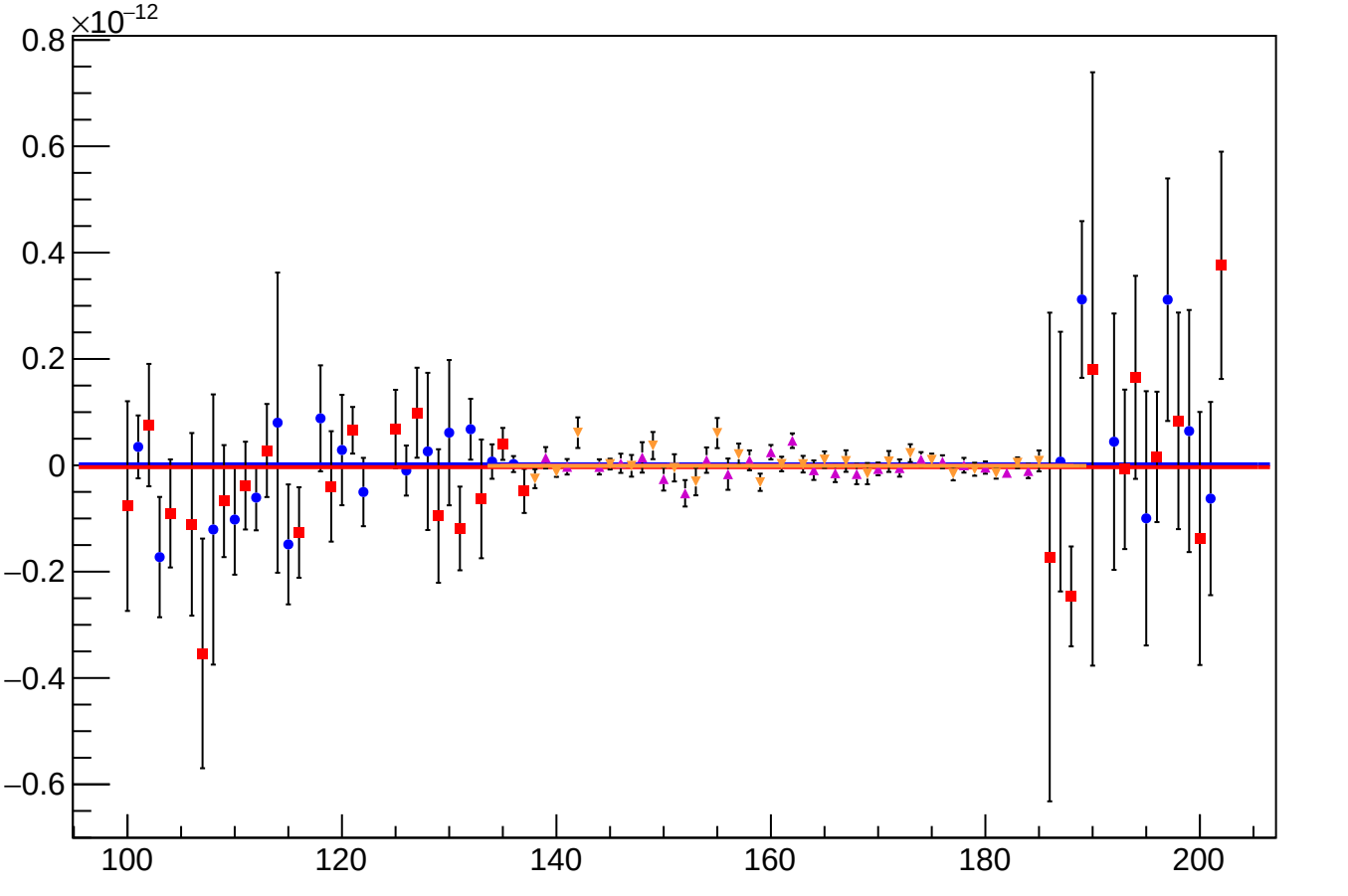
Right Out: 41.121+/-0.009 χ^2/NDF: 3053366.4/26

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 42.201+/-0.006 χ^2/NDF: 3552970.6/46

All: 41.737+/-0.004 χ^2/NDF: 8030617.7/96

- sign 41.299+/-0.006 χ^2/NDF: 4466110.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

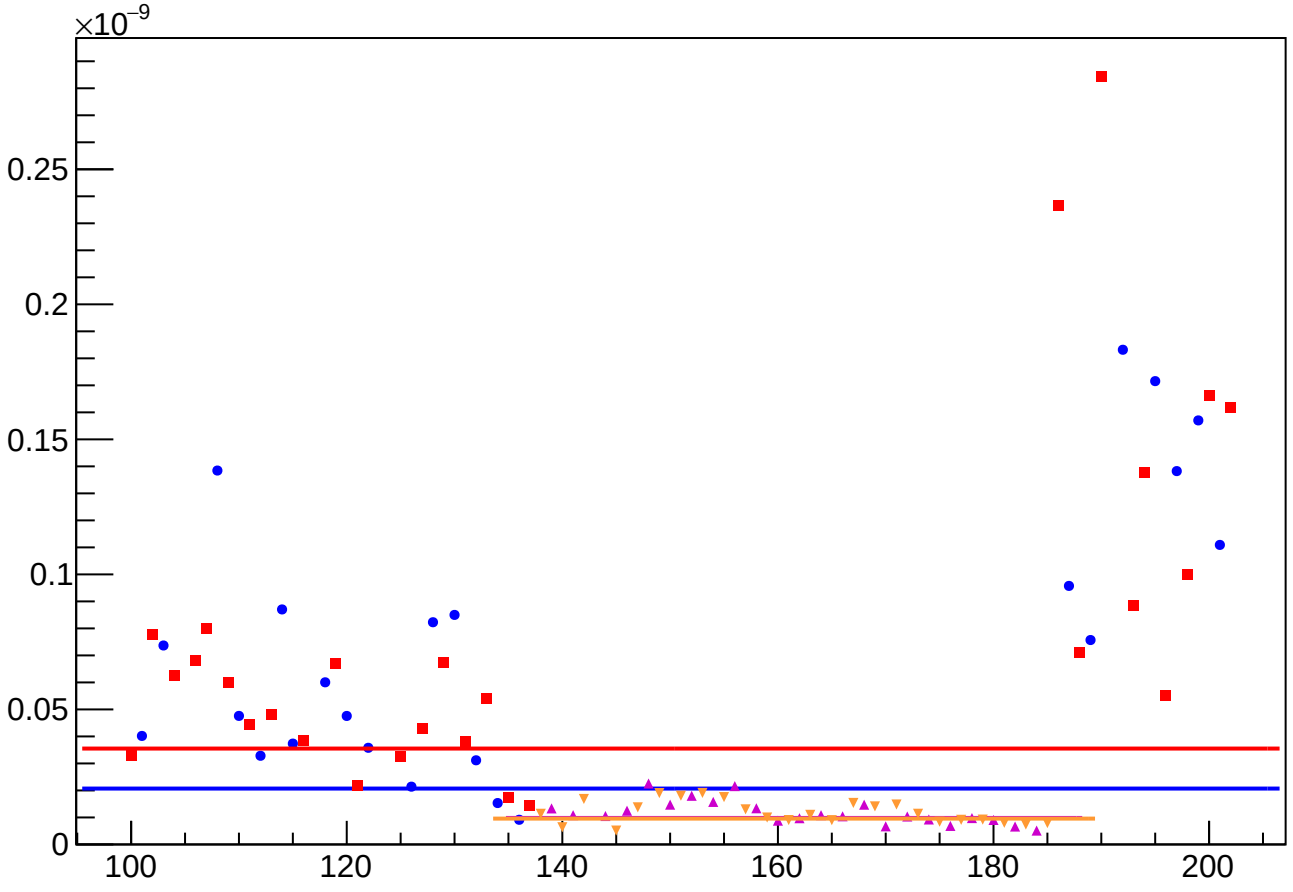
Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/26

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.2/46

All: -0.000+/-0.000 χ^2/NDF: 104.3/96

- sign -0.000+/-0.000 χ^2/NDF: 58.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 8012709.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6022345.5/26

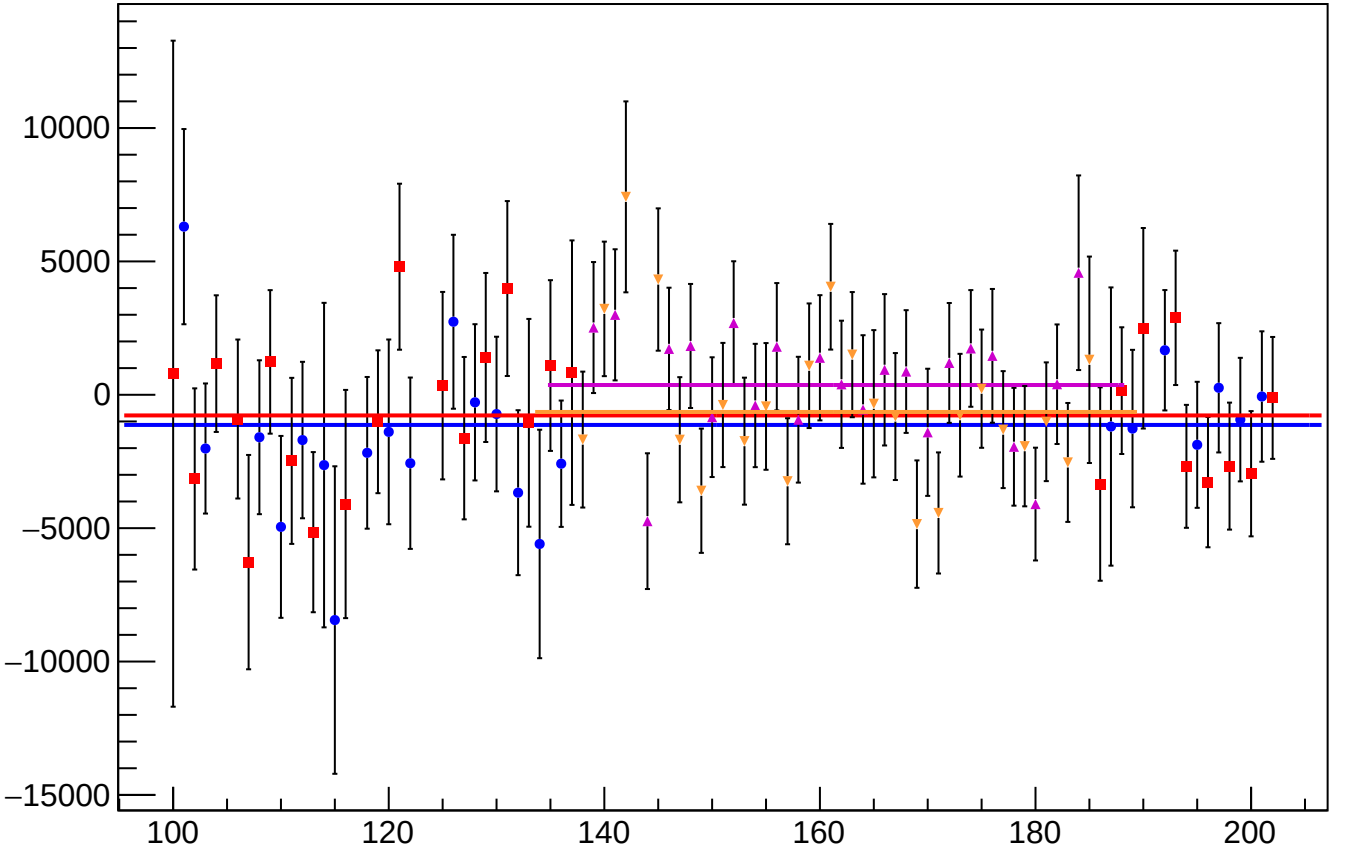
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12223110.5/46

All: 0.000+/-0.000 χ^2/NDF: 25613264.4/96

- sign 0.000+/-0.000 χ^2/NDF: 13363289.9/49

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1130.196+/-614.886 χ^2/NDF: 13.4/22

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -773.921+/-573.271 χ^2/NDF: 19.8/26

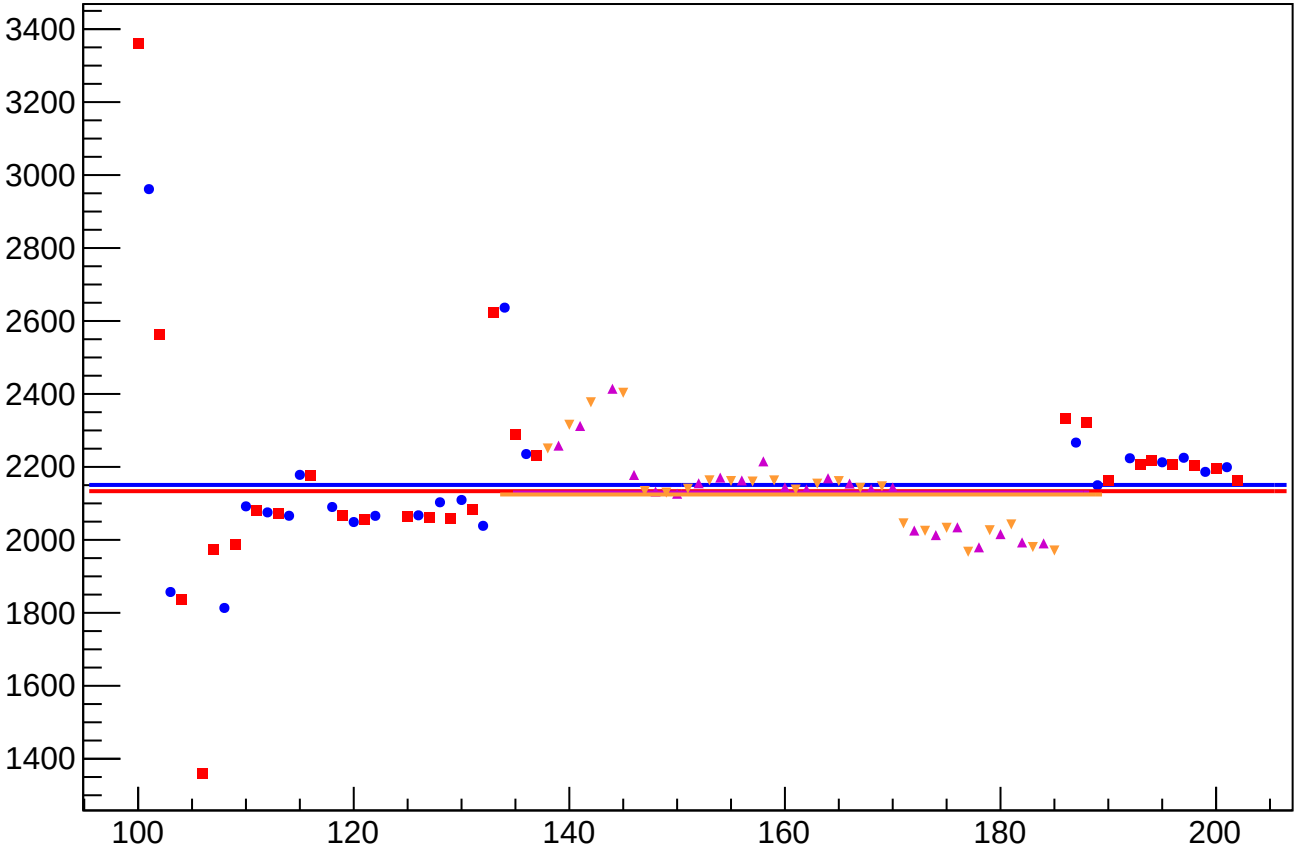
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -834.453+/-384.958 χ^2/NDF: 40.9/46

All: -470.630+/-268.951 χ^2/NDF: 82.0/96

- sign -123.710+/-375.910 χ^2/NDF: 39.4/49

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2150.615+/-0.435 χ^2/NDF: 201649.2/22

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

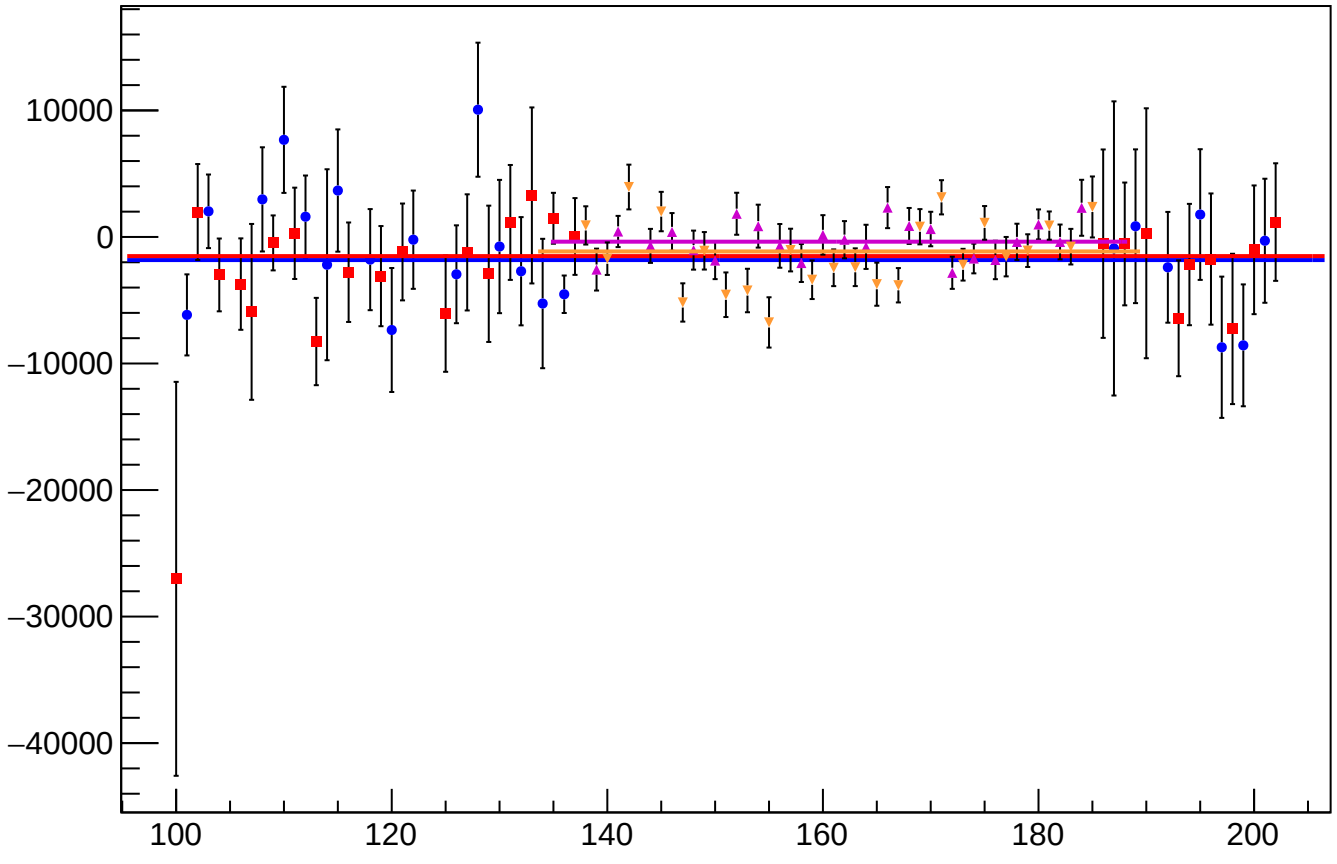
Right Out: 2133.512+/-0.405 χ^2/NDF: 294639.9/26

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2134.698+/-0.272 χ^2/NDF: 293037.4/46

All: 2133.036+/-0.190 χ^2/NDF: 673149.9/96

- sign 2131.451+/-0.266 χ^2/NDF: 380039.7/49



Right In: -1826.674+/-794.169 χ^2/NDF: 27.2/22

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: -1513.188+/-760.647 χ^2/NDF: 16.0/26

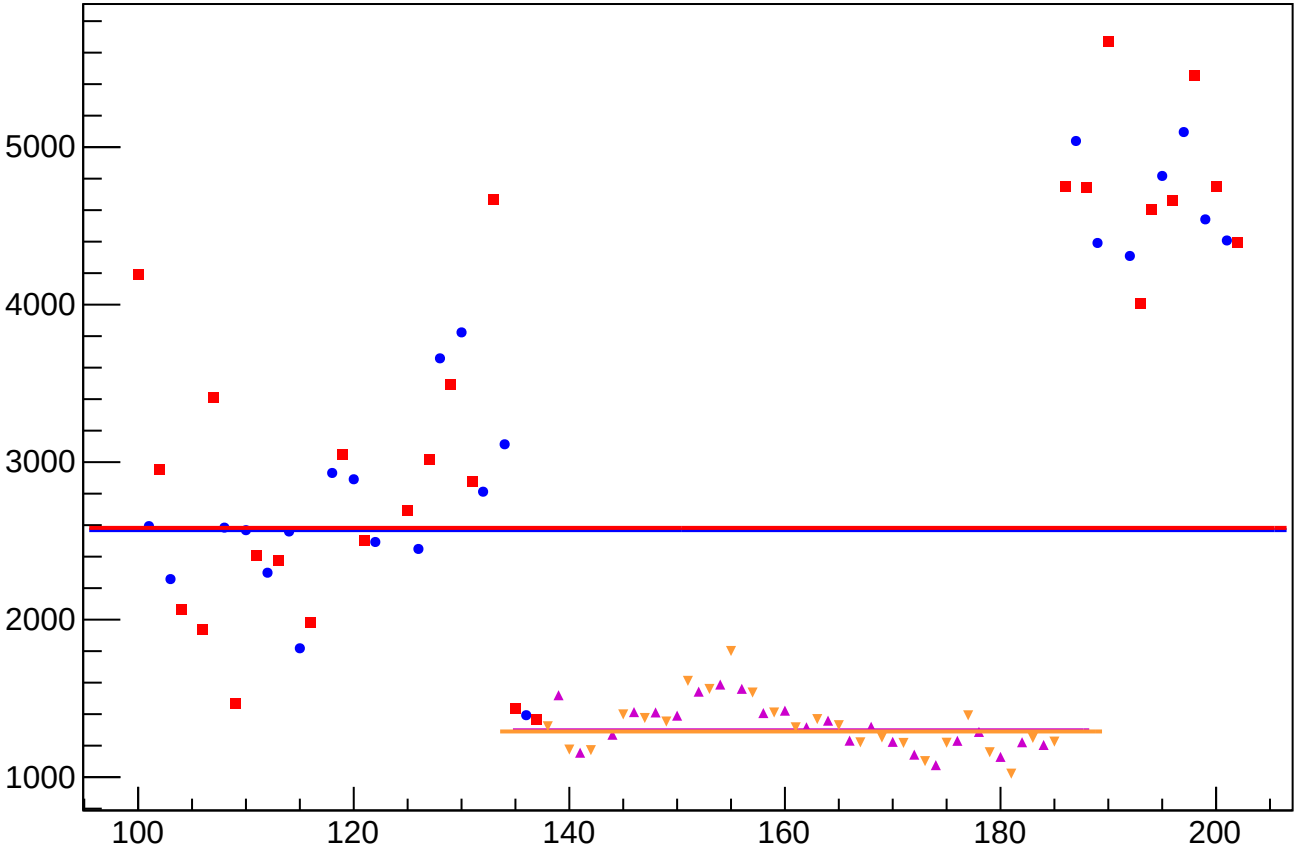
Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1231.204+/-282.678 χ^2/NDF: 95.3/46

All: -882.248+/-200.135 χ^2/NDF: 136.7/96

- sign -531.526+/-283.392 χ^2/NDF: 38.3/49

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2568.413+/-0.562 χ^2/NDF: 3593275.0/22

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2582.621+/-0.538 χ^2/NDF: 4811351.6/26

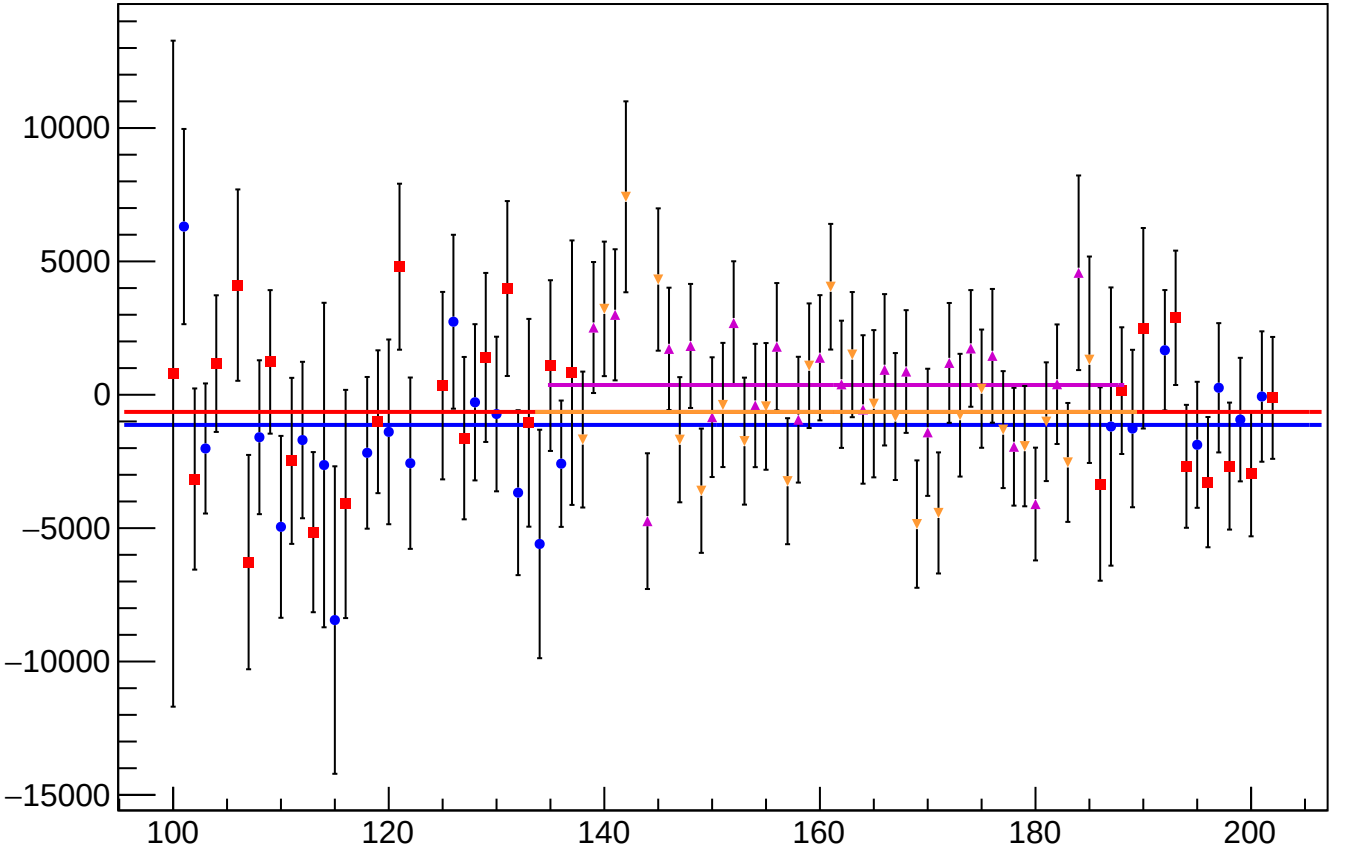
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1451.993+/-0.200 χ^2/NDF: 8686997.0/46

All: 1463.888+/-0.142 χ^2/NDF: 18856254.2/9

- sign 1475.844+/-0.200 χ^2/NDF: 10162156.2/49

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1130.233+/-614.886 χ^2/NDF: 13.4/22

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -642.898+/-576.588 χ^2/NDF: 21.6/26

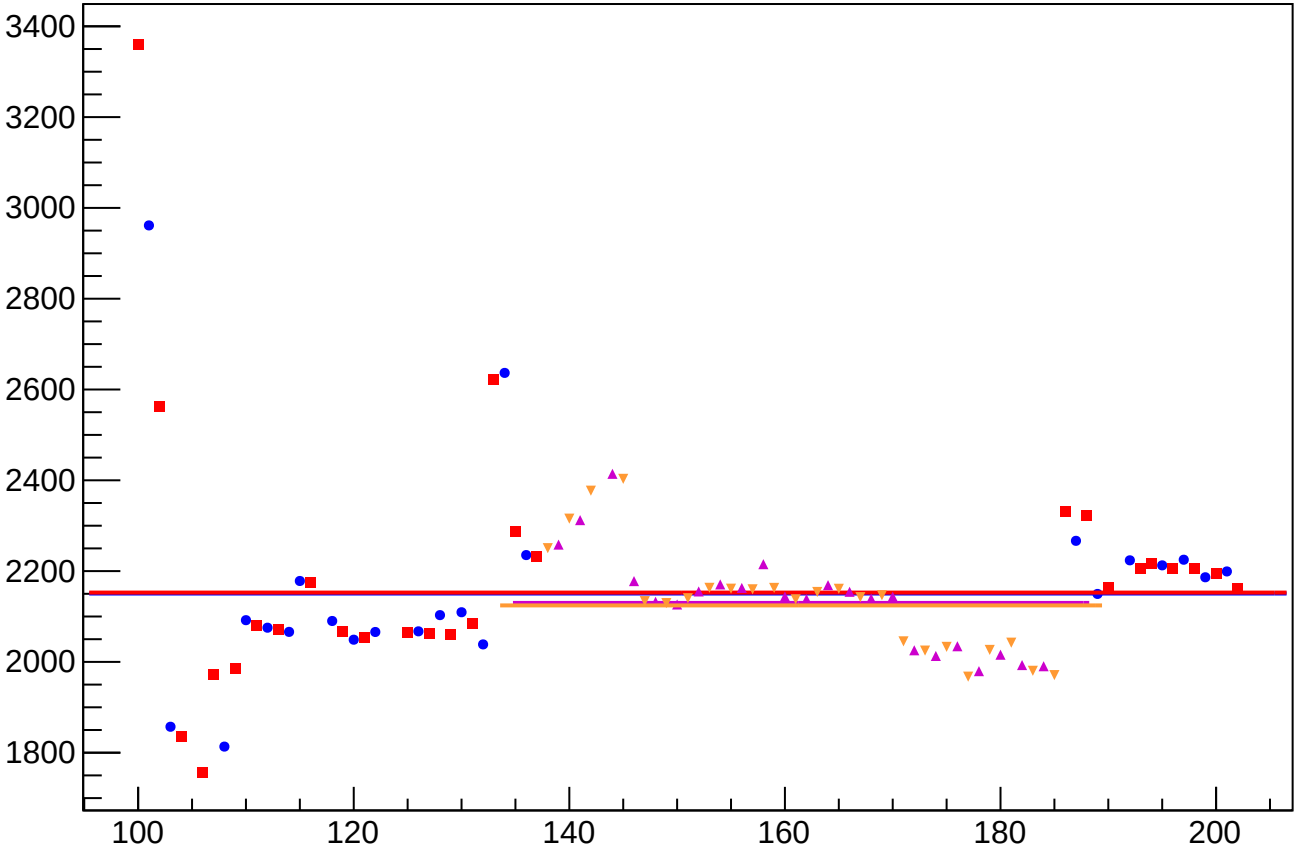
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -834.384+/-384.958 χ^2/NDF: 40.9/46

All: -441.281+/-269.291 χ^2/NDF: 83.6/96

- sign -64.583+/-376.841 χ^2/NDF: 40.7/49

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2150.615+/-0.435 χ^2/NDF: 201649.6/22

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

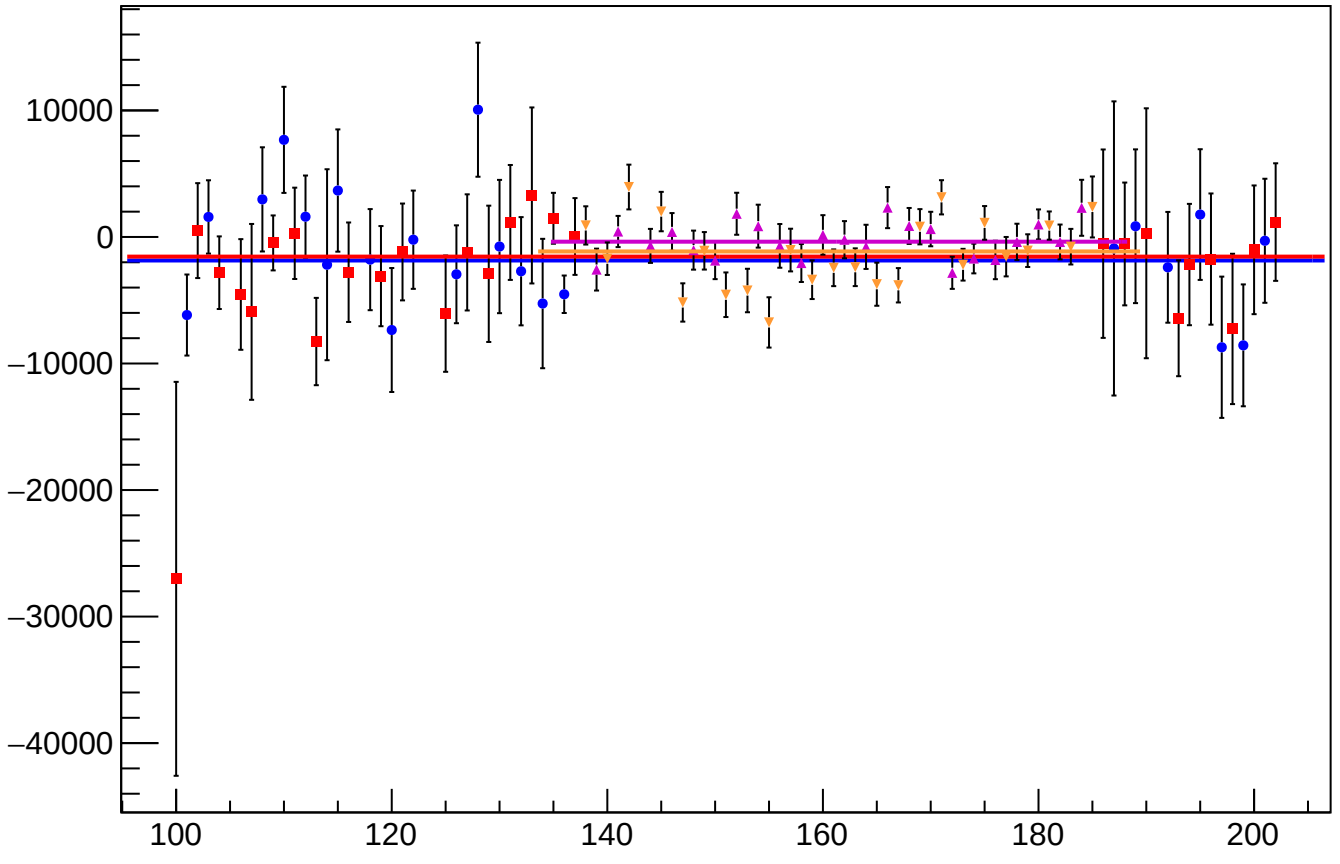
Right Out: 2152.687+/-0.408 χ^2/NDF: 180118.1/26

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2134.698+/-0.272 χ^2/NDF: 293037.7/46

All: 2137.217+/-0.190 χ^2/NDF: 560468.1/96

- sign 2139.632+/-0.266 χ^2/NDF: 267262.6/49



Right In: -1858.823+/-793.942 χ^2/NDF: 26.8/22

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

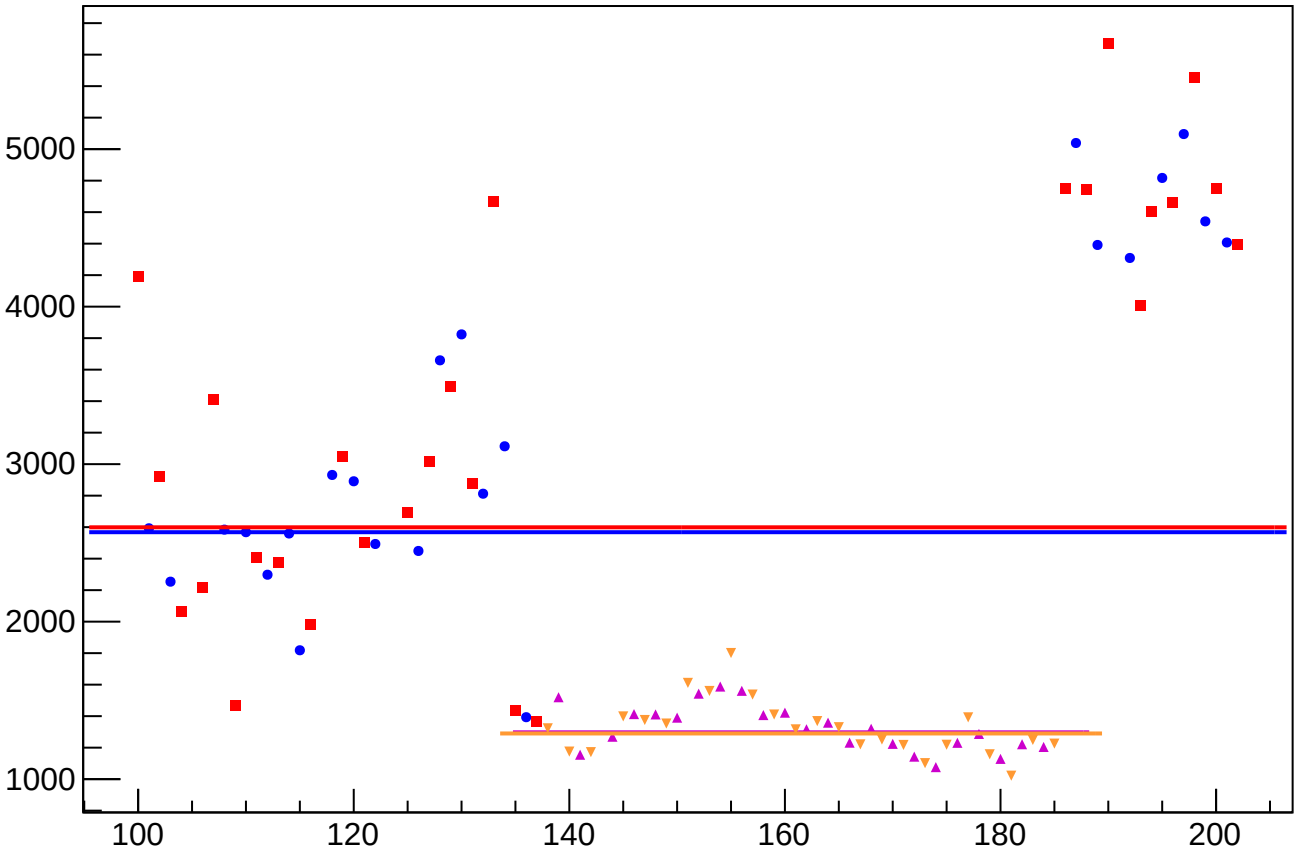
Right Out: -1552.837+/-765.567 χ^2/NDF: 15.5/26

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1235.291+/-282.669 χ^2/NDF: 95.0/46

All: -886.412+/-200.221 χ^2/NDF: 136.0/96

- sign -535.120+/-283.645 χ^2/NDF: 37.9/49



Right In: 2567.921+/-0.561 χ^2/NDF: 3593918.9/22

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

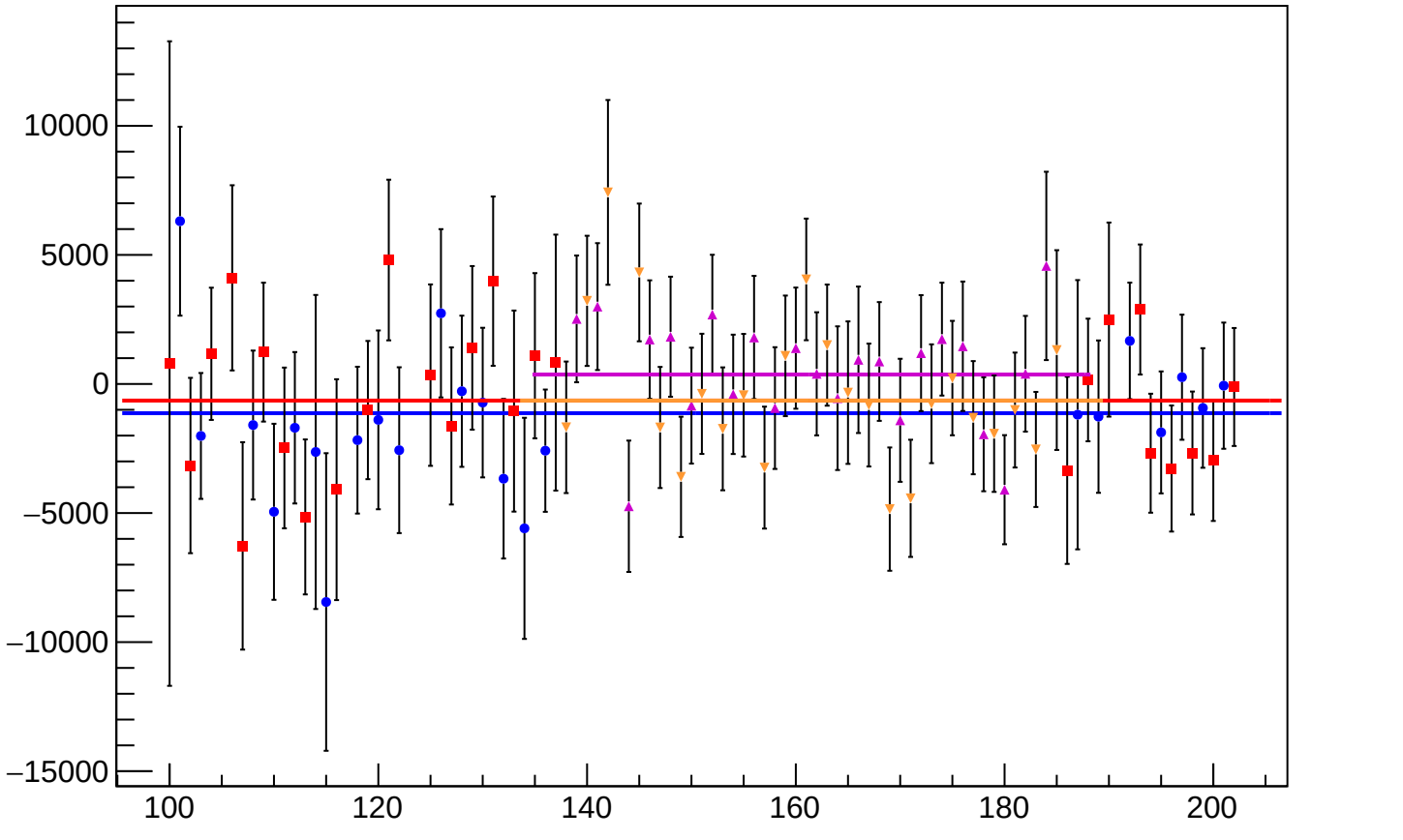
Right Out: 2599.016+/-0.541 χ^2/NDF: 4759430.0/26

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1452.024+/-0.200 χ^2/NDF: 8686267.0/46

All: 1464.033+/-0.142 χ^2/NDF: 18874234.7/9

- sign 1476.126+/-0.201 χ^2/NDF: 10180722.4/49



Right In: -1130.233+/-614.886 χ^2/NDF: 13.4/22

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -642.898+/-576.588 χ^2/NDF: 21.6/26

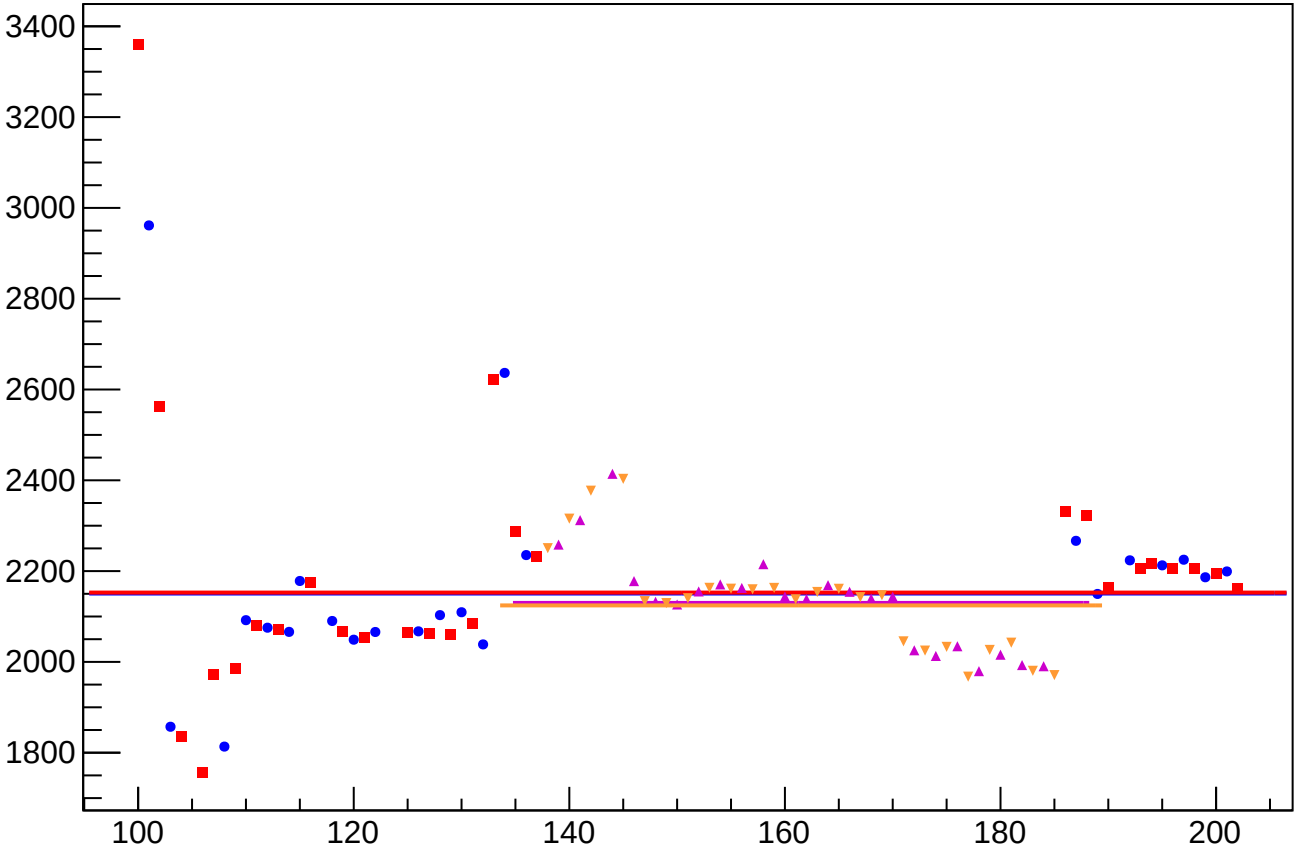
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

\+ sign -834.384+/-384.958 χ^2/NDF: 40.9/46

All: -441.281+/-269.291 χ^2/NDF: 83.6/96

\- sign -64.583+/-376.841 χ^2/NDF: 40.7/49

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2150.615+/-0.435 χ^2/NDF: 201649.6/22

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

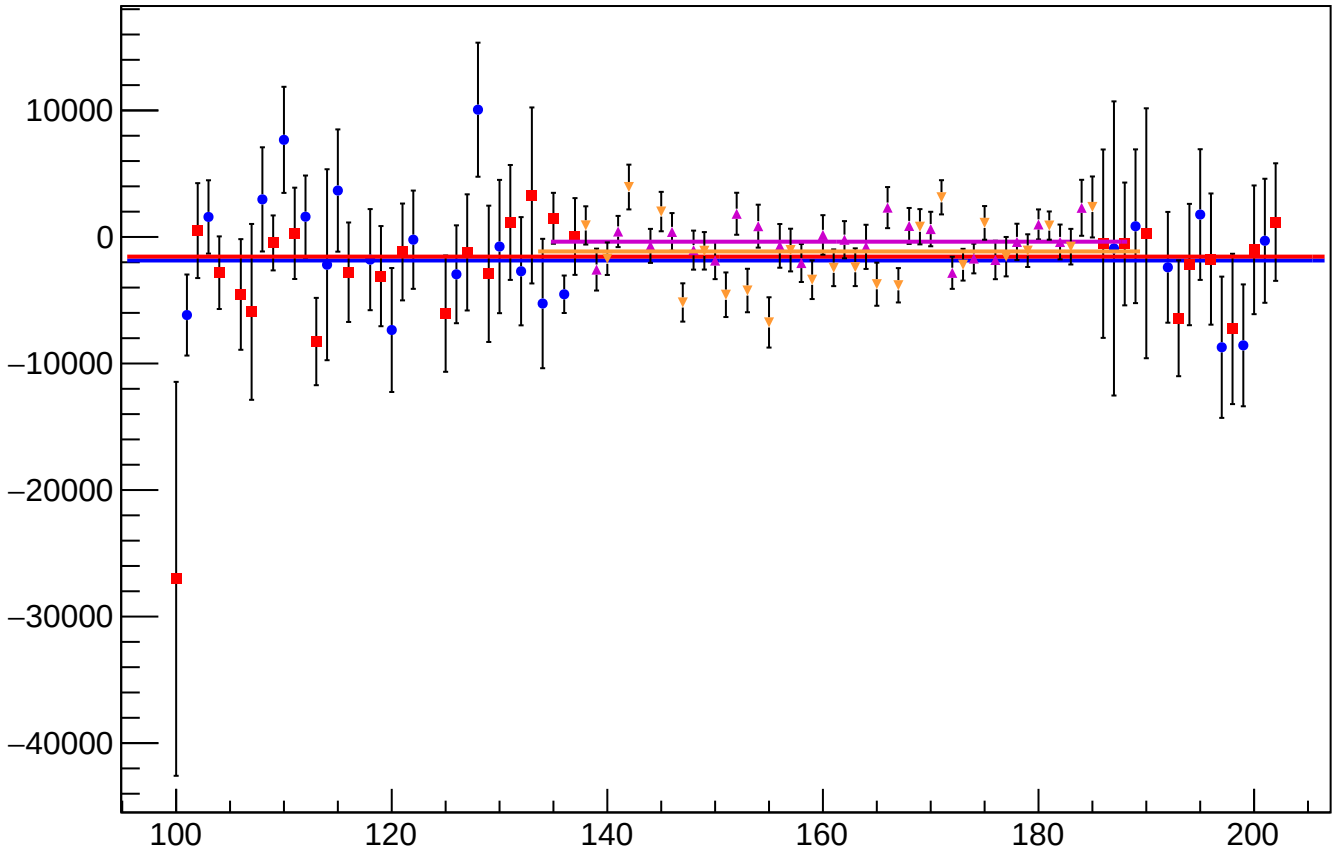
Right Out: 2152.687+/-0.408 χ^2/NDF: 180118.1/26

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2134.698+/-0.272 χ^2/NDF: 293037.7/46

All: 2137.217+/-0.190 χ^2/NDF: 560468.1/96

- sign 2139.632+/-0.266 χ^2/NDF: 267262.6/49



Right In: -1858.823+/-793.942 χ^2/NDF: 26.8/22

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

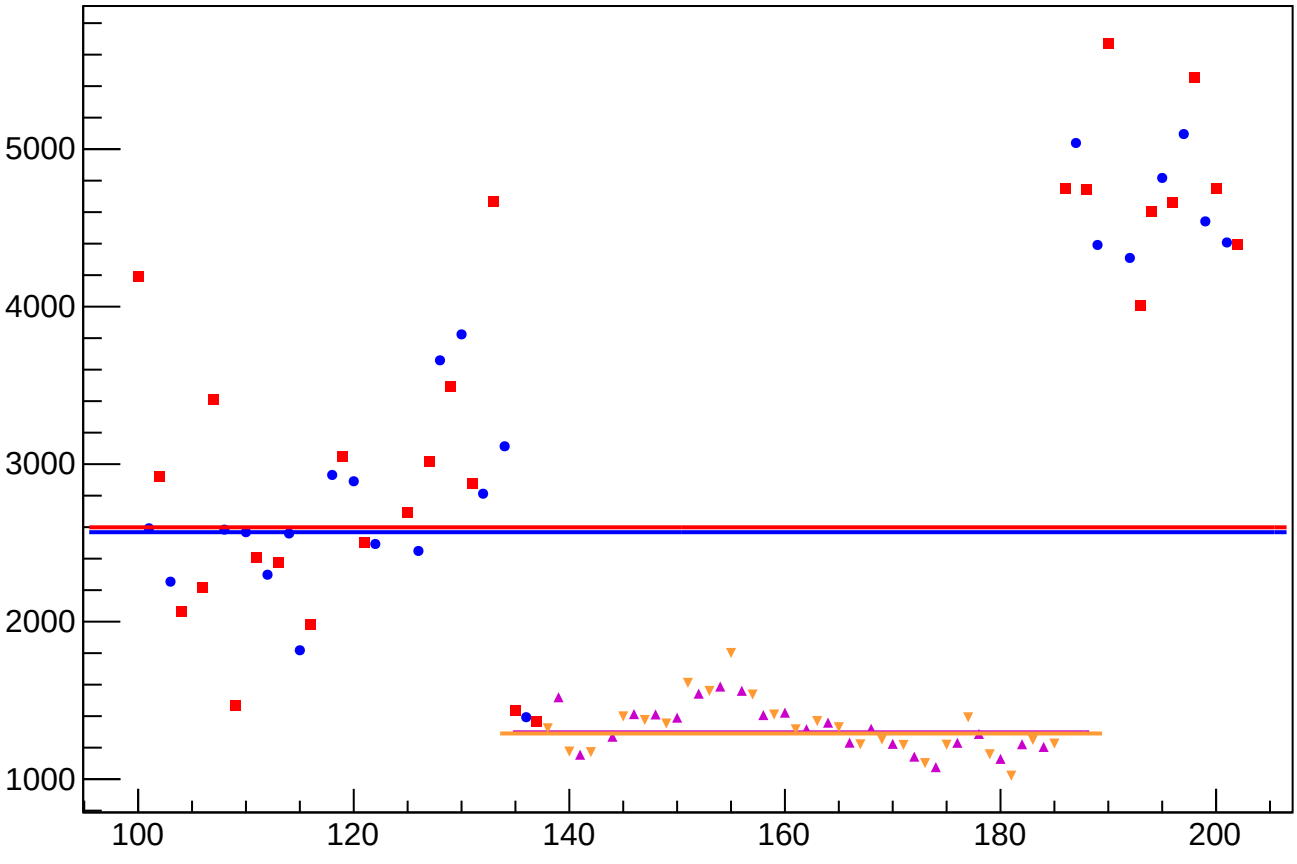
Right Out: -1552.837+/-765.567 χ^2/NDF: 15.5/26

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1235.291+/-282.669 χ^2/NDF: 95.0/46

All: -886.412+/-200.221 χ^2/NDF: 136.0/96

- sign -535.120+/-283.645 χ^2/NDF: 37.9/49



Right In: 2567.921+/-0.561 χ^2/NDF: 3593918.9/22

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2599.016+/-0.541 χ^2/NDF: 4759430.0/26

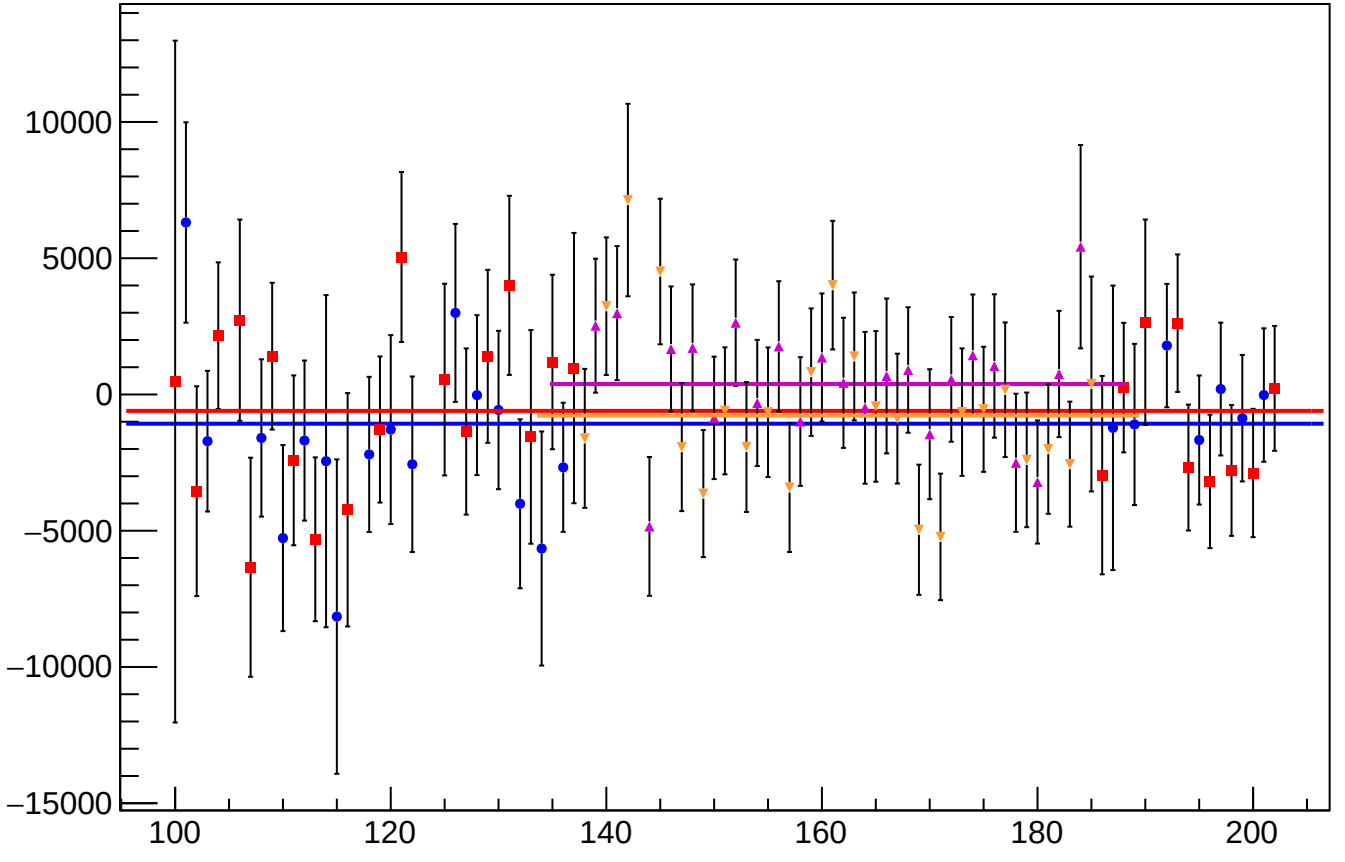
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1452.024+/-0.200 χ^2/NDF: 8686267.0/46

All: 1464.033+/-0.142 χ^2/NDF: 18874234.7/9

- sign 1476.126+/-0.201 χ^2/NDF: 10180722.4/49

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1072.930+/-618.352 χ^2/NDF: 13.9/22

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -601.338+/-581.505 χ^2/NDF: 21.7/26

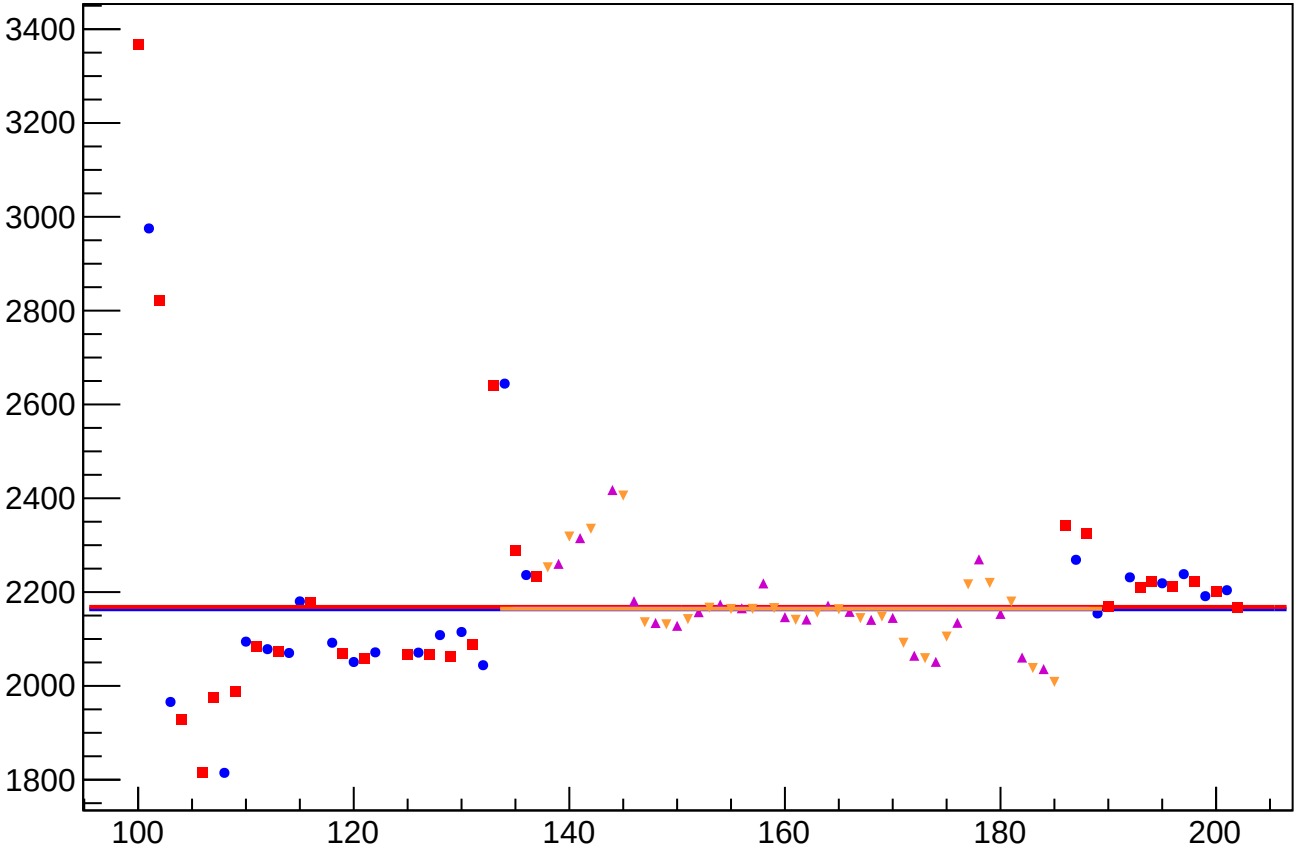
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -892.731+/-390.118 χ^2/NDF: 42.7/46

All: -457.068+/-272.845 χ^2/NDF: 84.0/96

- sign -39.913+/-381.741 χ^2/NDF: 38.9/49

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2163.450+/-0.437 χ^2/NDF: 185640.8/22

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

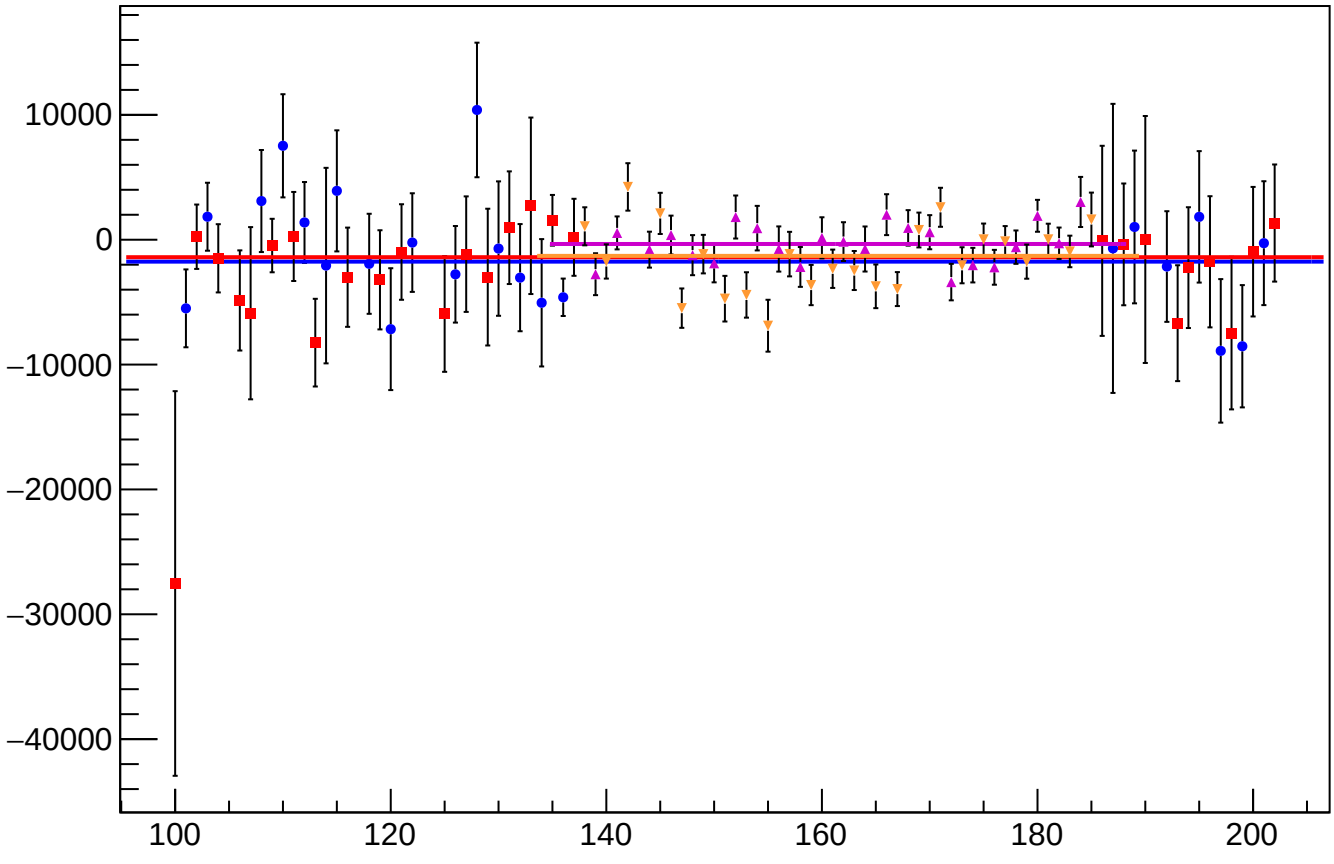
Right Out: 2168.393+/-0.411 χ^2/NDF: 188527.6/26

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2164.102+/-0.276 χ^2/NDF: 236320.7/46

All: 2165.494+/-0.193 χ^2/NDF: 477048.1/96

- sign 2166.828+/-0.270 χ^2/NDF: 240677.5/49



Right In: -1754.011+/-793.887 χ^2/NDF: 26.9/22

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

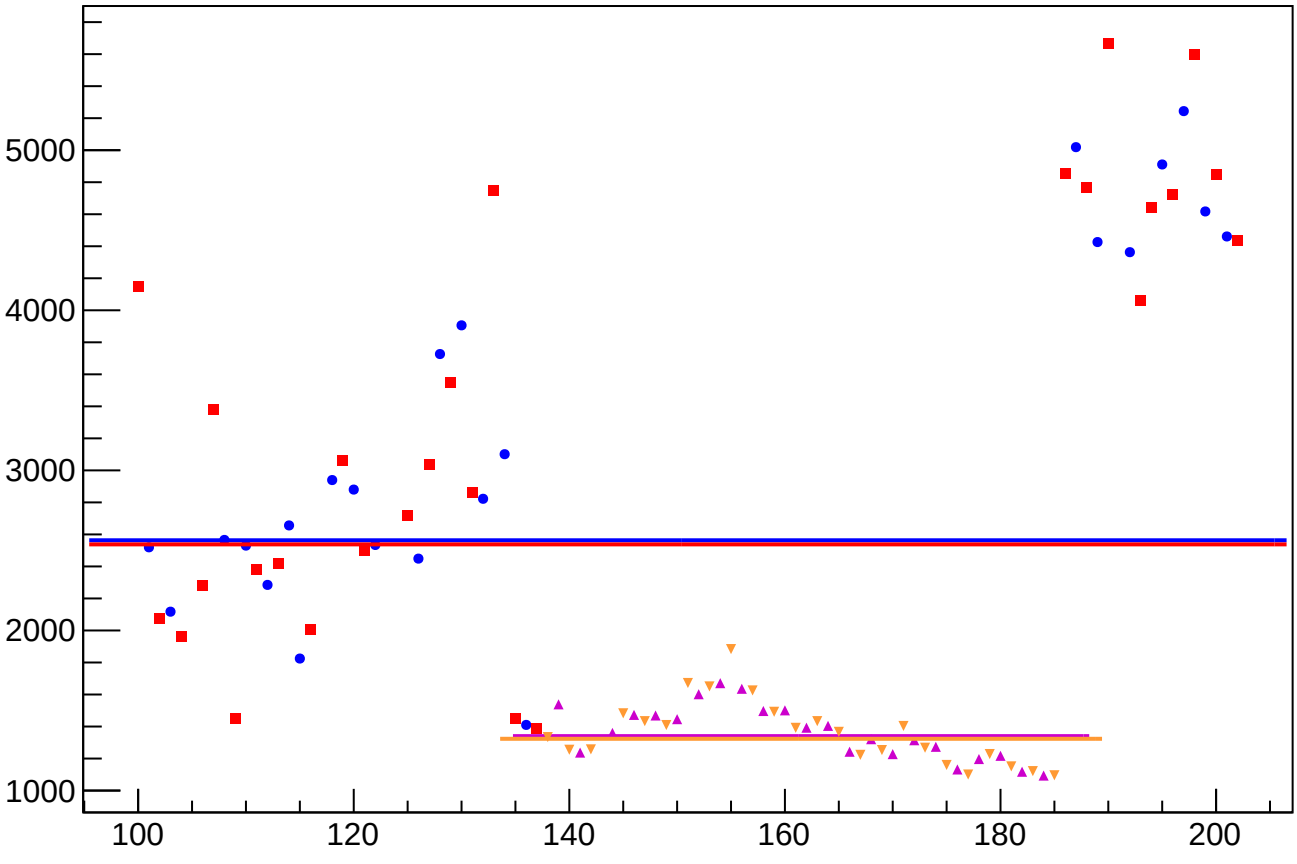
Right Out: -1399.683+/-746.946 χ^2/NDF: 15.9/26

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1354.827+/-289.268 χ^2/NDF: 85.9/46

All: -930.284+/-205.044 χ^2/NDF: 132.5/96

- sign -501.560+/-290.689 χ^2/NDF: 42.3/49



Right In: 2563.373+/-0.561 χ^2/NDF: 3658225.6/22

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

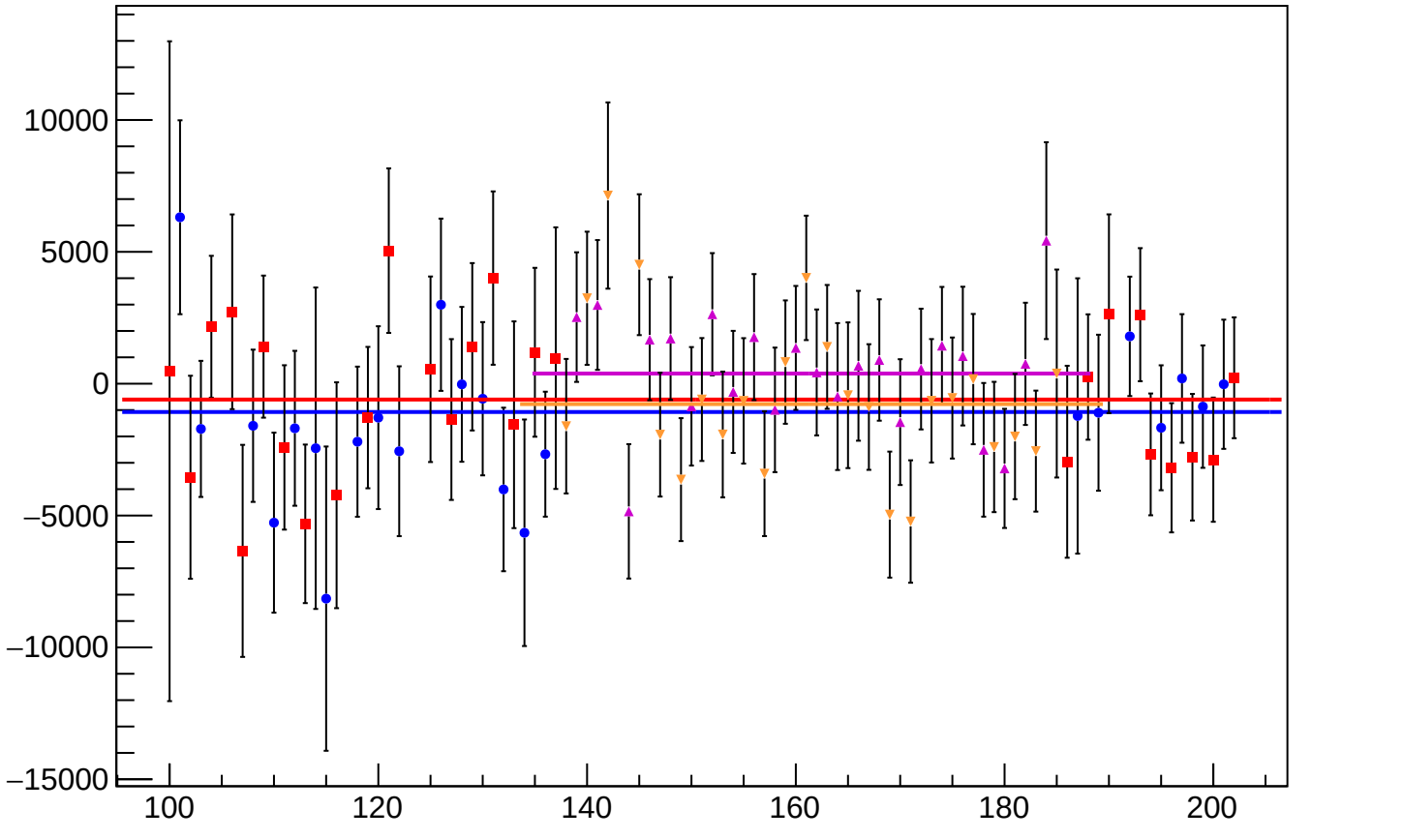
Right Out: 2537.782+/-0.528 χ^2/NDF: 4928527.9/26

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1488.027+/-0.205 χ^2/NDF: 8553372.9/46

All: 1504.671+/-0.145 χ^2/NDF: 18352842.1/9

- sign 1521.479+/-0.206 χ^2/NDF: 9786161.2/49



Right In: -1072.932+/-618.352 χ^2/NDF: 13.9/22

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -601.338+/-581.505 χ^2/NDF: 21.7/26

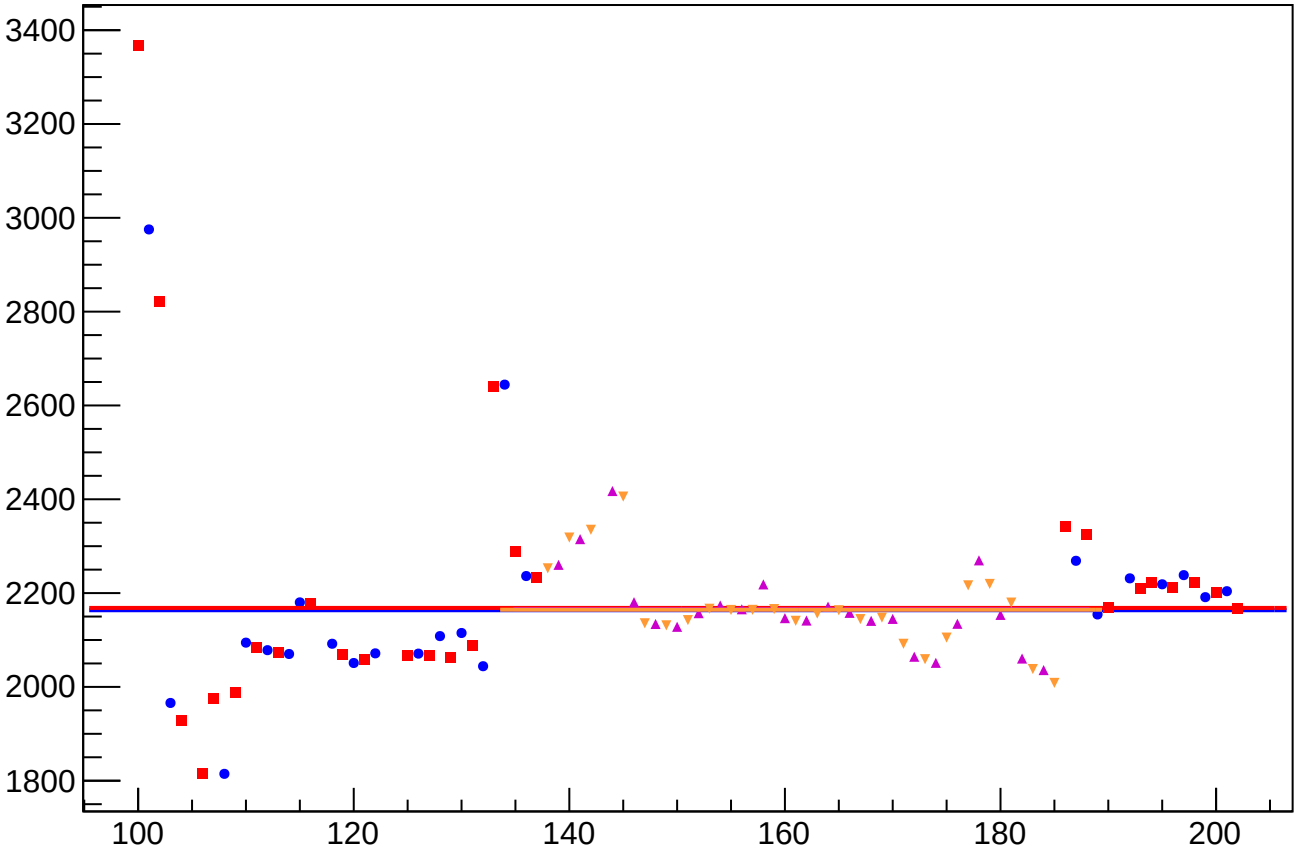
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

\+ sign -892.729+/-390.118 χ^2/NDF: 42.7/46

All: -457.067+/-272.845 χ^2/NDF: 84.0/96

\- sign -39.913+/-381.741 χ^2/NDF: 38.9/49

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2163.450+/-0.437 χ^2/NDF: 185640.7/22

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

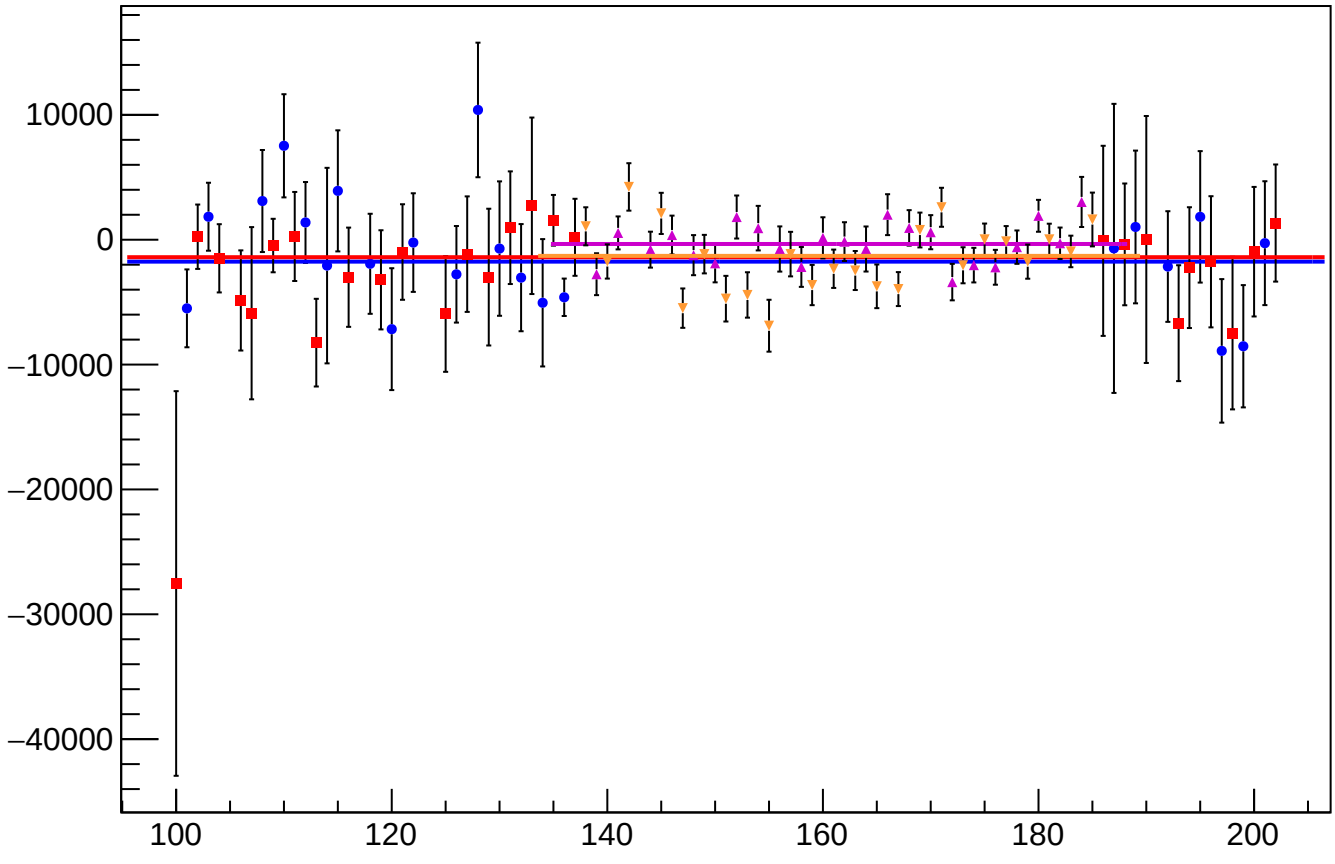
Right Out: 2168.393+/-0.411 χ^2/NDF: 188527.5/26

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2164.101+/-0.276 χ^2/NDF: 236320.7/46

All: 2165.494+/-0.193 χ^2/NDF: 477048.0/96

- sign 2166.828+/-0.270 χ^2/NDF: 240677.4/49



Right In: -1754.001+/-793.889 χ^2/NDF: 26.9/22

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

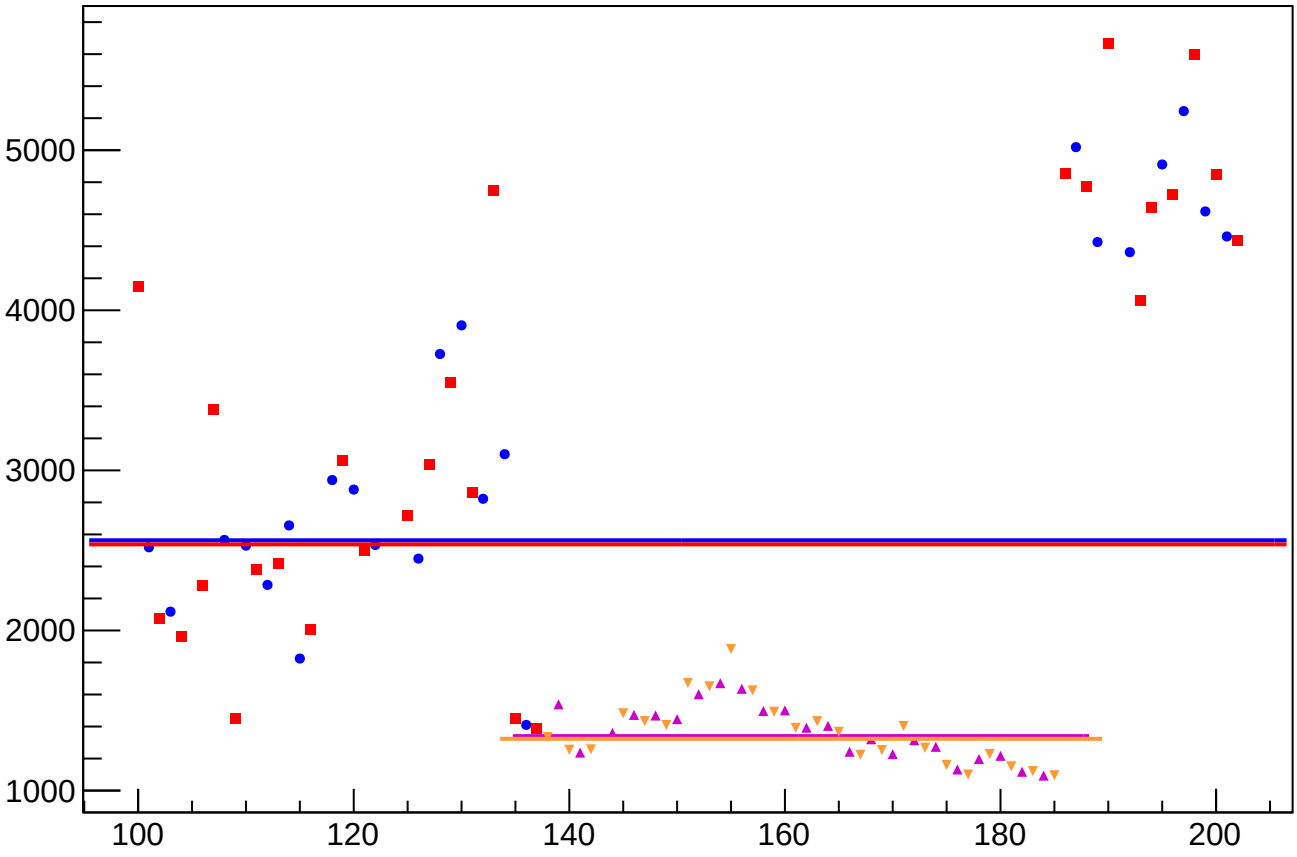
Right Out: -1399.699+/-746.949 χ^2/NDF: 15.9/26

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1354.826+/-289.268 χ^2/NDF: 85.9/46

All: -930.283+/-205.044 χ^2/NDF: 132.5/96

- sign -501.559+/-290.689 χ^2/NDF: 42.3/49



Right In: 2563.386+/-0.561 χ^2/NDF: 3658144.1/22

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2537.795+/-0.528 χ^2/NDF: 4928448.1/26

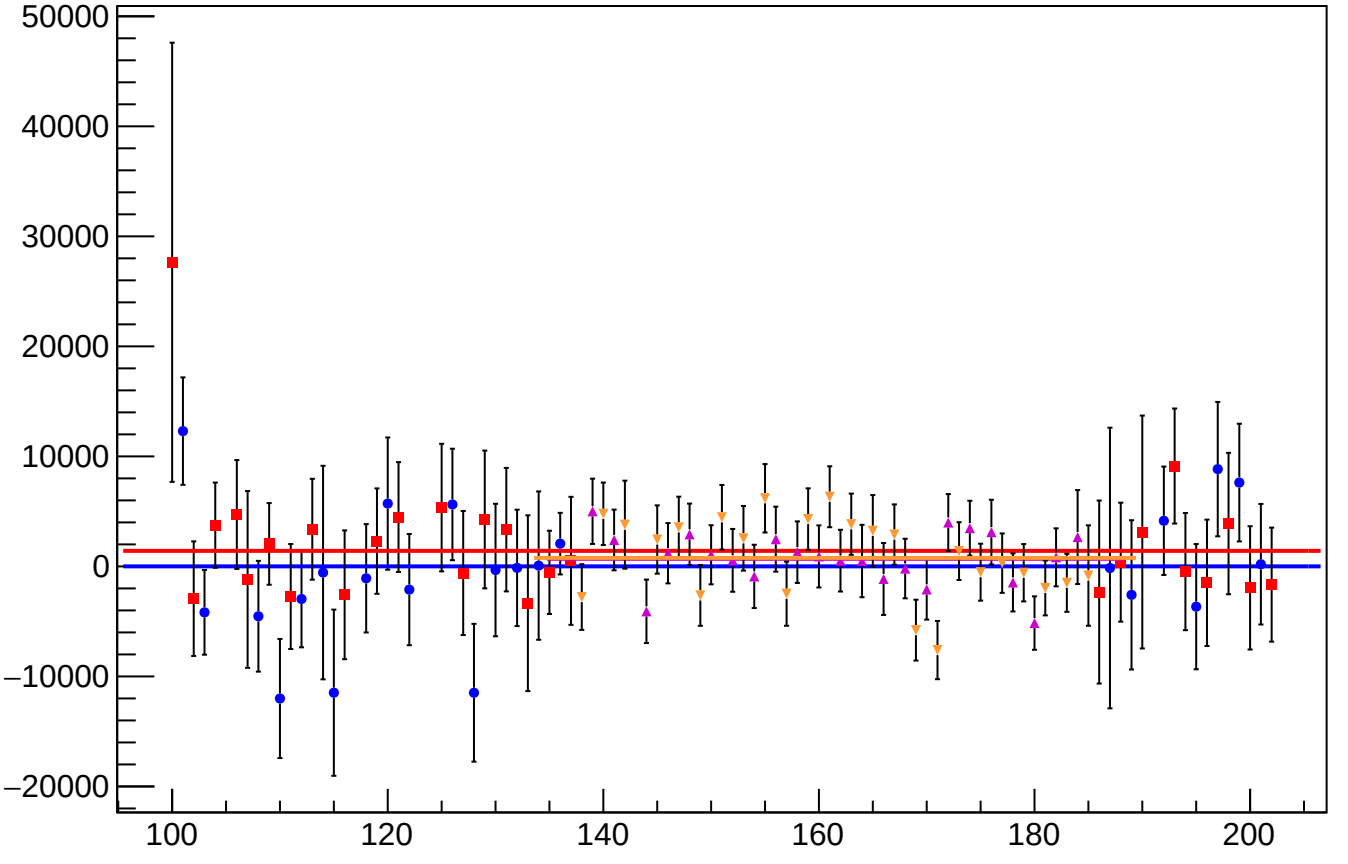
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1488.028+/-0.205 χ^2/NDF: 8553355.6/46

All: 1504.671+/-0.145 χ^2/NDF: 18352834.8/9

- sign 1521.479+/-0.206 χ^2/NDF: 9786172.1/49

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 4.554+/-1088.761 χ^2/NDF: 27.7/22

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

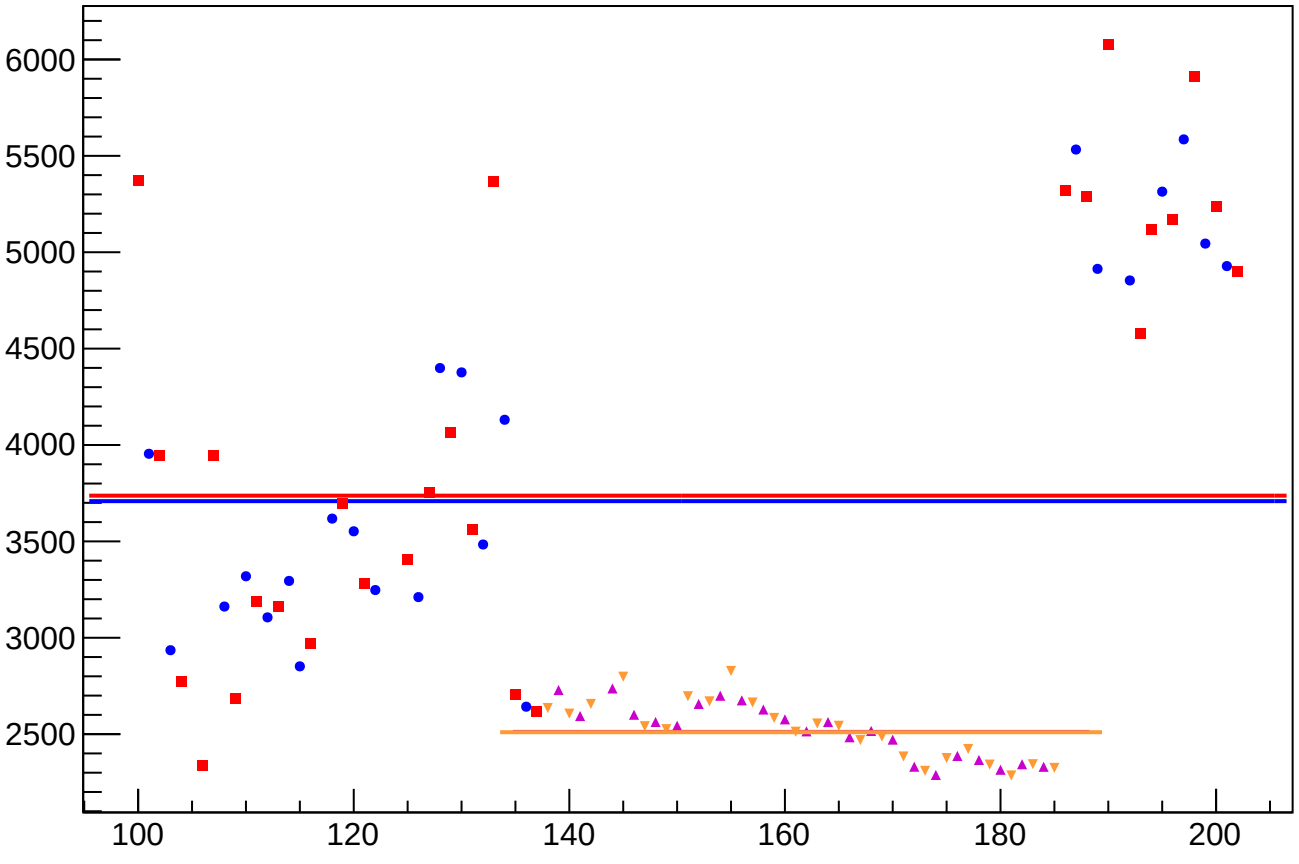
Right Out: 1414.278+/-1039.162 χ^2/NDF: 10.4/26

Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 602.835+/-514.429 χ^2/NDF: 67.4/46

All: 734.890+/-362.673 χ^2/NDF: 96.7/96

- sign 865.383+/-511.379 χ^2/NDF: 29.1/49



Right In: 3708.728+/-0.770 χ^2/NDF: 1359300.0/22

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

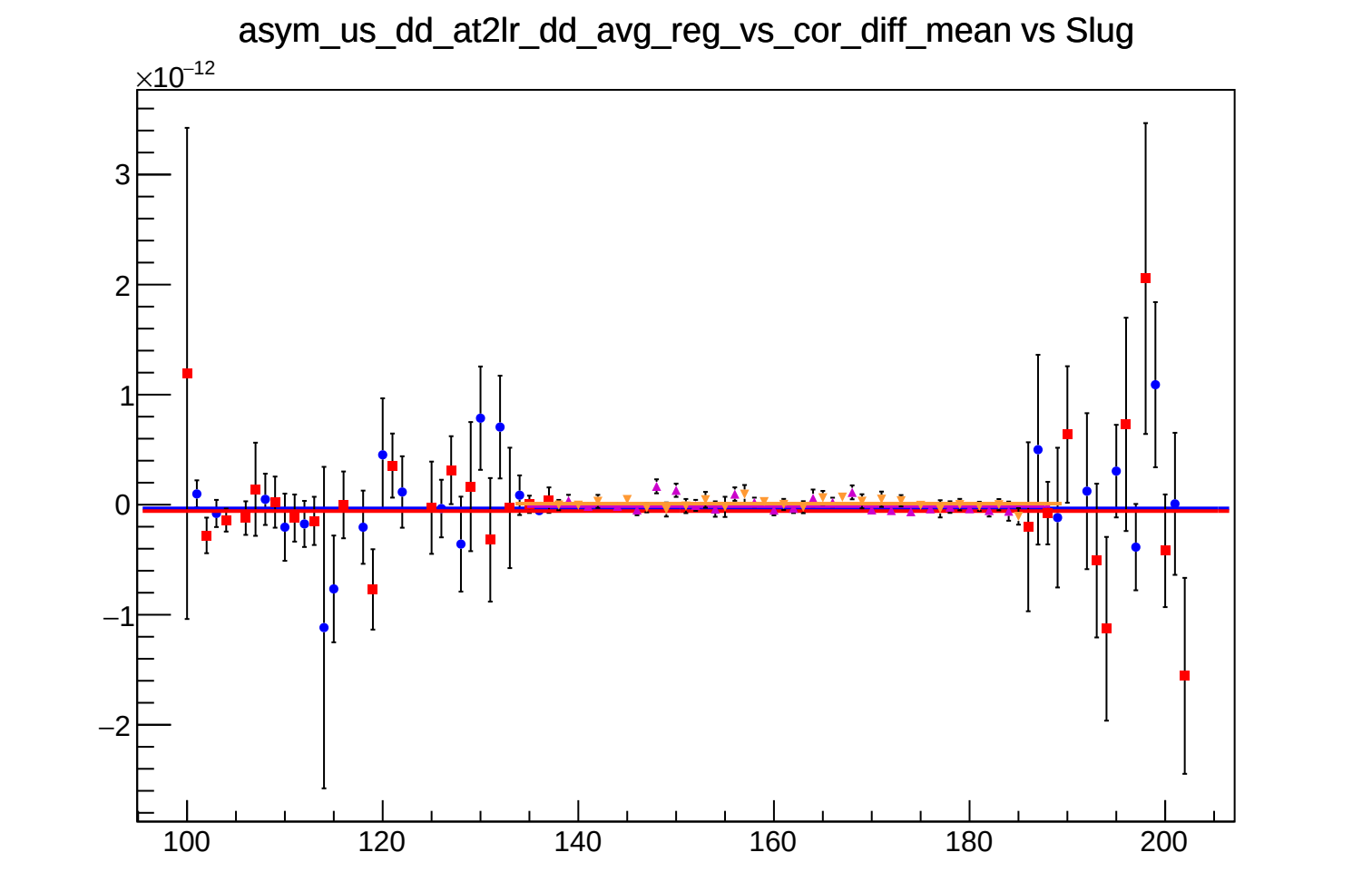
Right Out: 3737.242+/-0.735 χ^2/NDF: 2010526.1/26

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2777.666+/-0.364 χ^2/NDF: 3370887.9/46

All: 2793.138+/-0.256 χ^2/NDF: 7606934.9/96

- sign 2808.427+/-0.362 χ^2/NDF: 4232450.1/49


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
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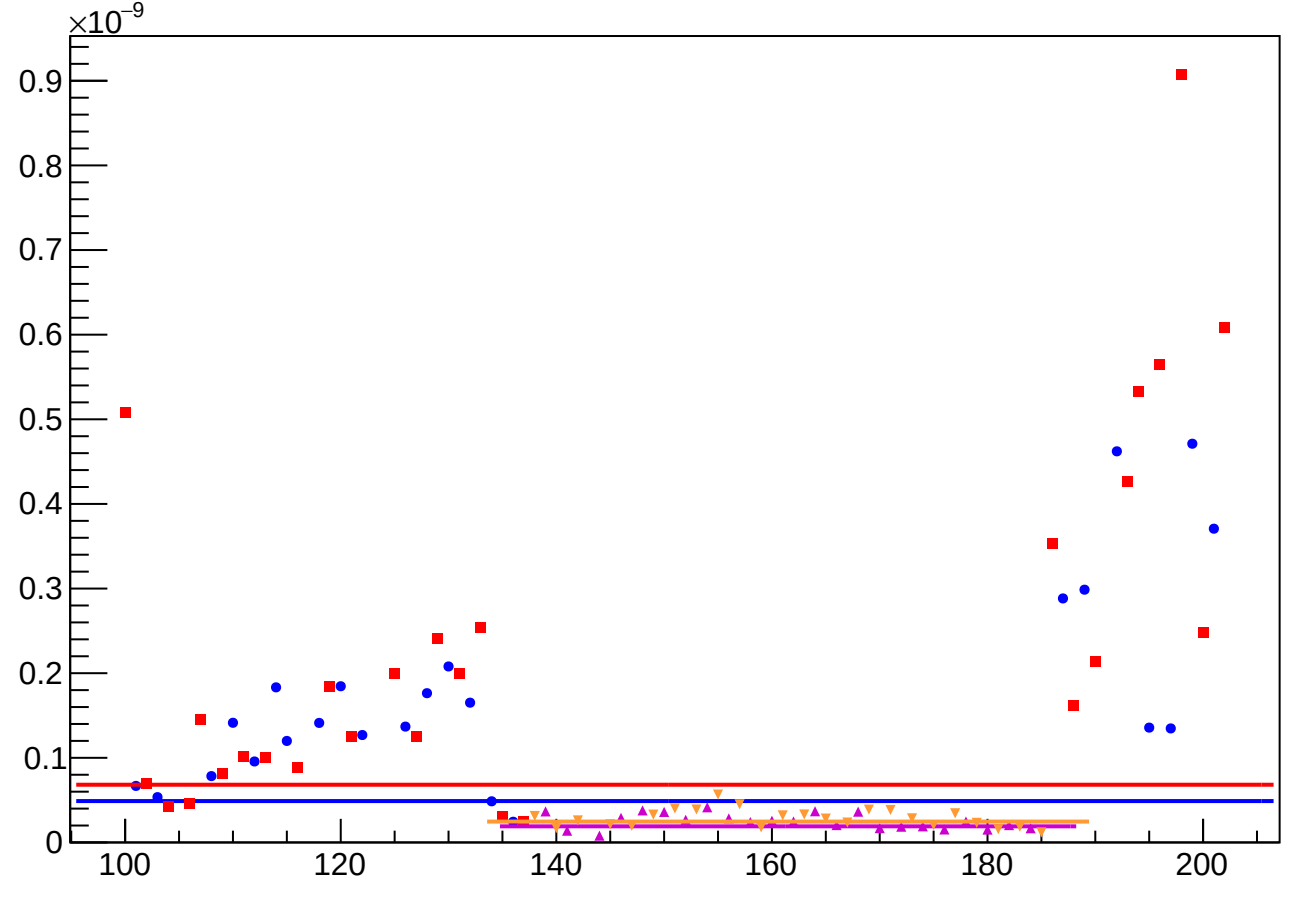
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.3/22
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/26
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 31.0/46
All: -0.000+/-0.000 χ²/NDF: 87.9/96
- sign -0.000+/-0.000 χ²/NDF: 54.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 4727432.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

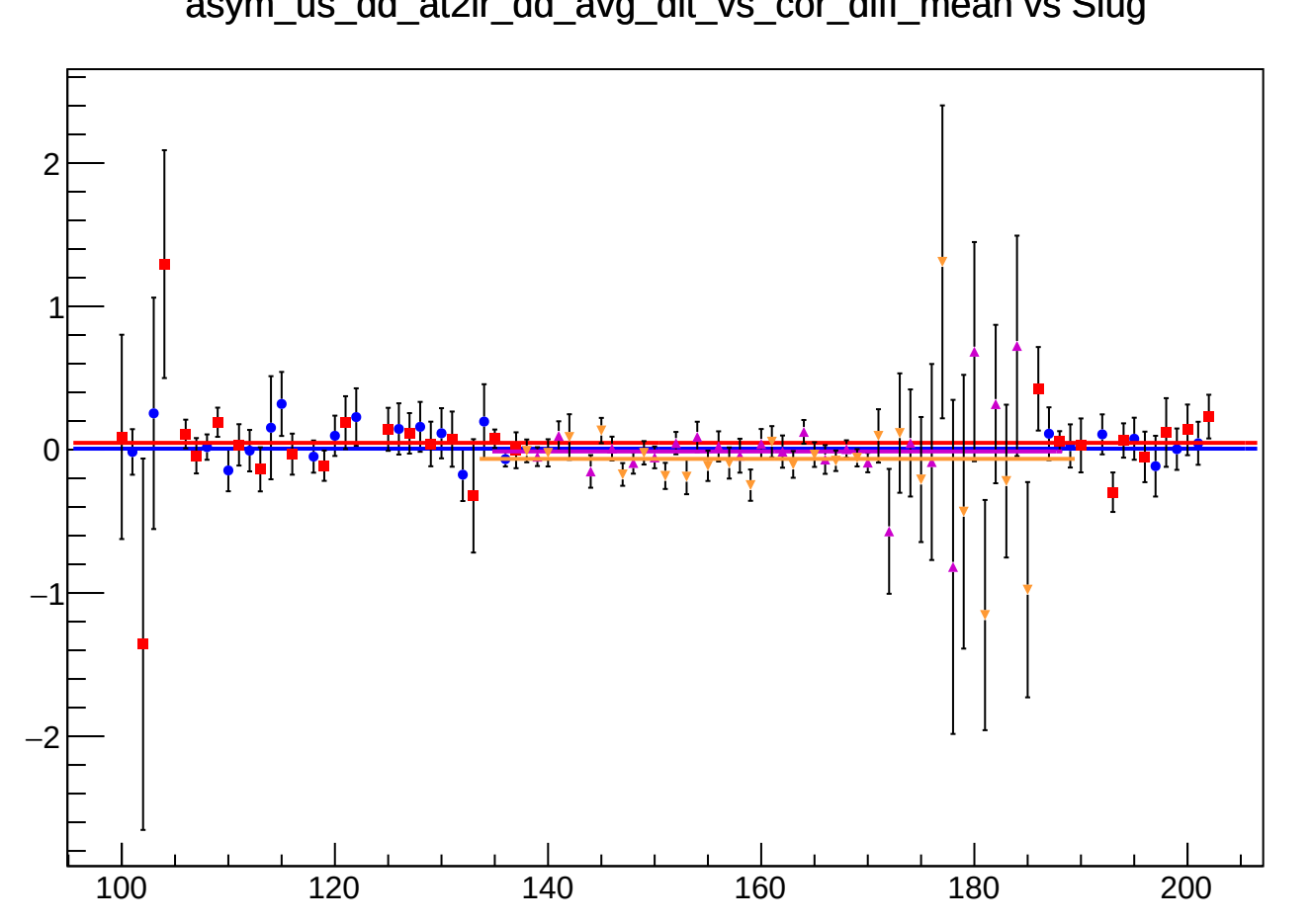
Right Out: 0.000+/-0.000 χ^2/NDF: 6172958.5/26

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7079309.9/46

All: 0.000+/-0.000 χ^2/NDF: 18435633.8/96

- sign 0.000+/-0.000 χ^2/NDF: 10961278.1/49



Right In: 0.007+/-0.028 χ^2/NDF: 11.9/22

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

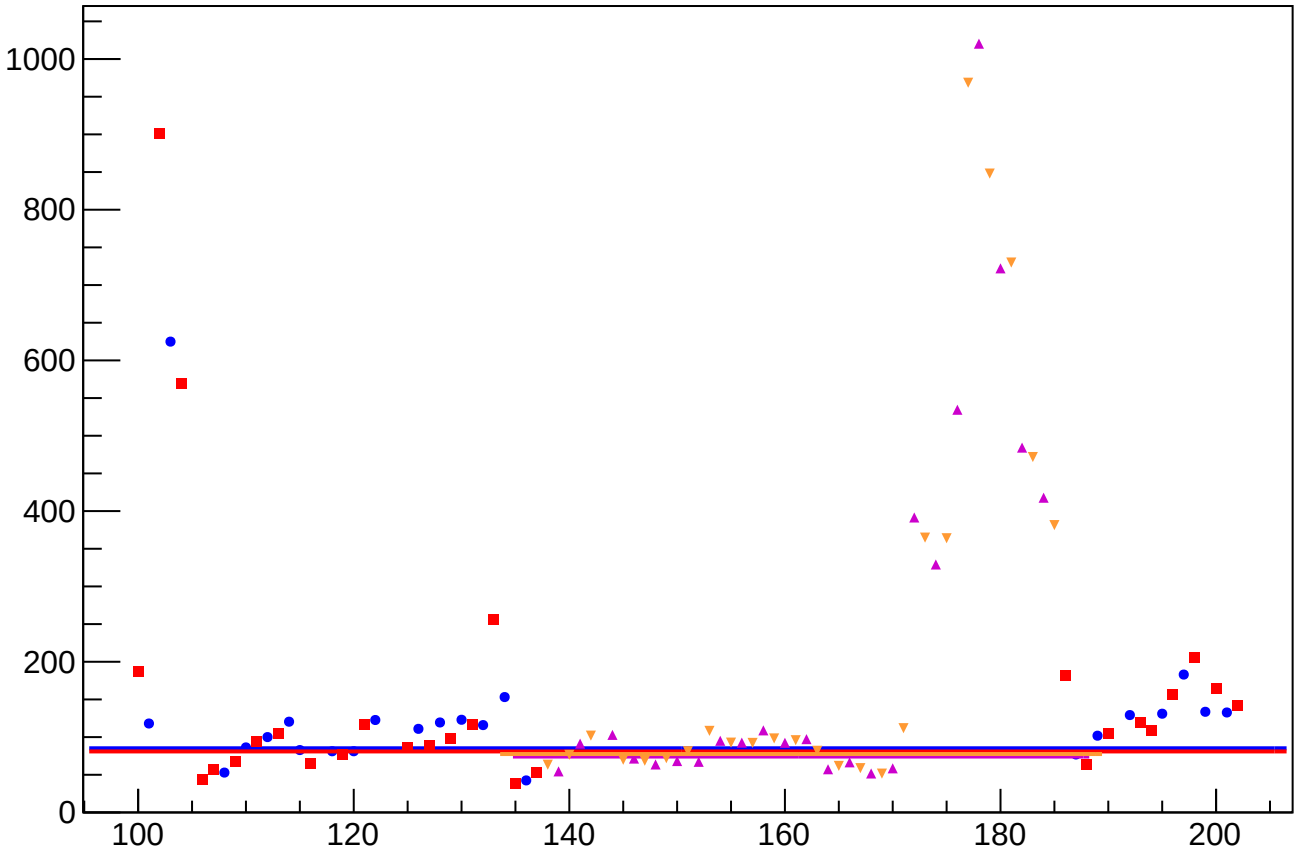
Right Out: 0.047+/-0.026 χ^2/NDF: 23.1/26

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.037+/-0.017 χ^2/NDF: 38.2/46

All: -0.012+/-0.012 χ^2/NDF: 83.7/96

- sign 0.011+/-0.016 χ^2/NDF: 41.4/49



Right In: 85.174+/-0.020 χ^2/NDF: 4404334.8/22

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

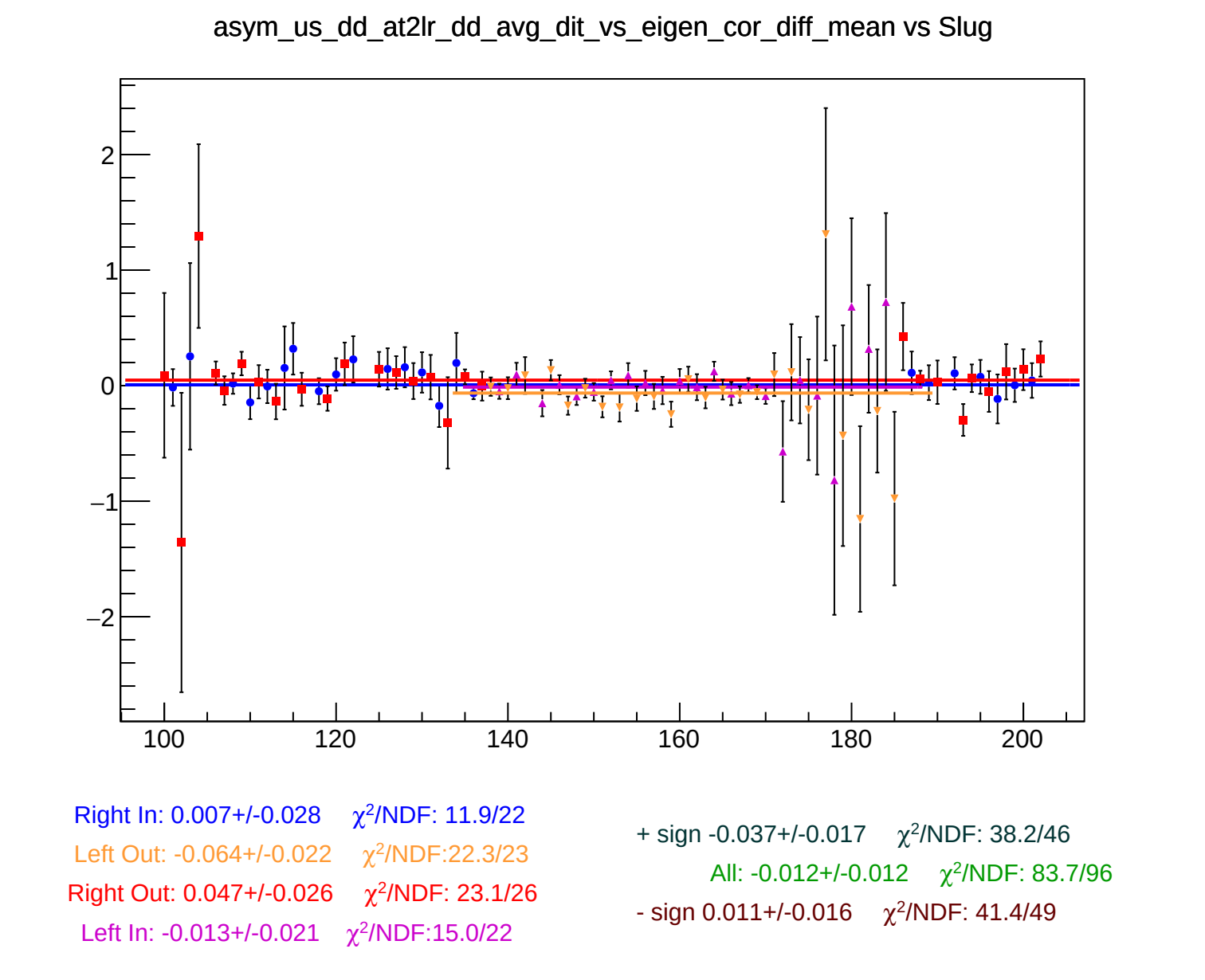
Right Out: 80.995+/-0.018 χ^2/NDF: 5952813.8/26

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 80.429+/-0.012 χ^2/NDF: 12826089.5/46

All: 78.565+/-0.008 χ^2/NDF: 27418144.9/96

- sign 76.914+/-0.012 χ^2/NDF: 14548878.5/49


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
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−2
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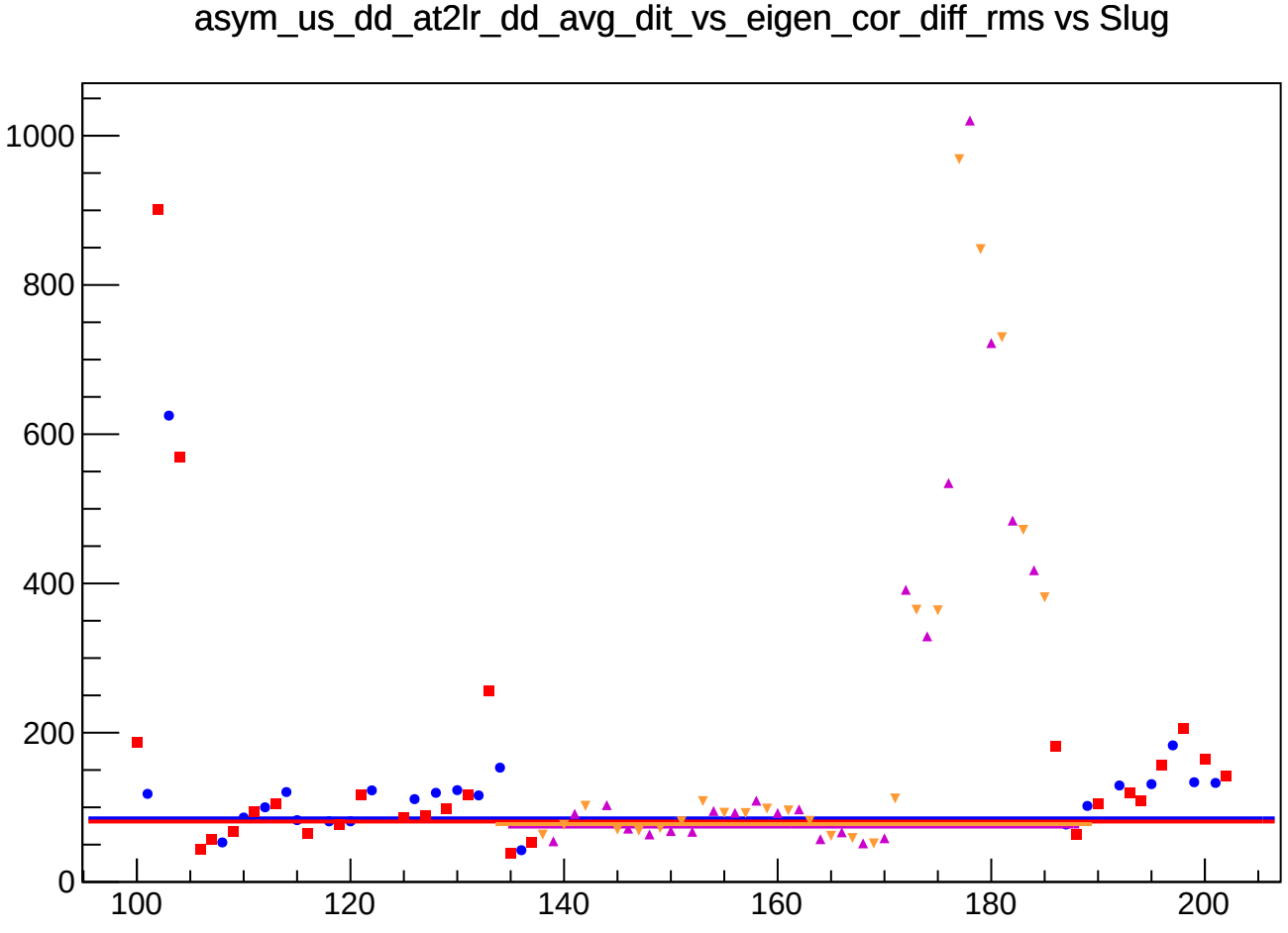
160
180
200
Right In: 0.007+/-0.028 χ²/NDF: 11.9/22
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.047+/-0.026 χ²/NDF: 23.1/26
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.037+/-0.017 χ²/NDF: 38.2/46
All: -0.012+/-0.012 χ²/NDF: 83.7/96
- sign 0.011+/-0.016 χ²/NDF: 41.4/49



Right In: 85.174+/-0.020 χ^2/NDF: 4404334.8/22

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

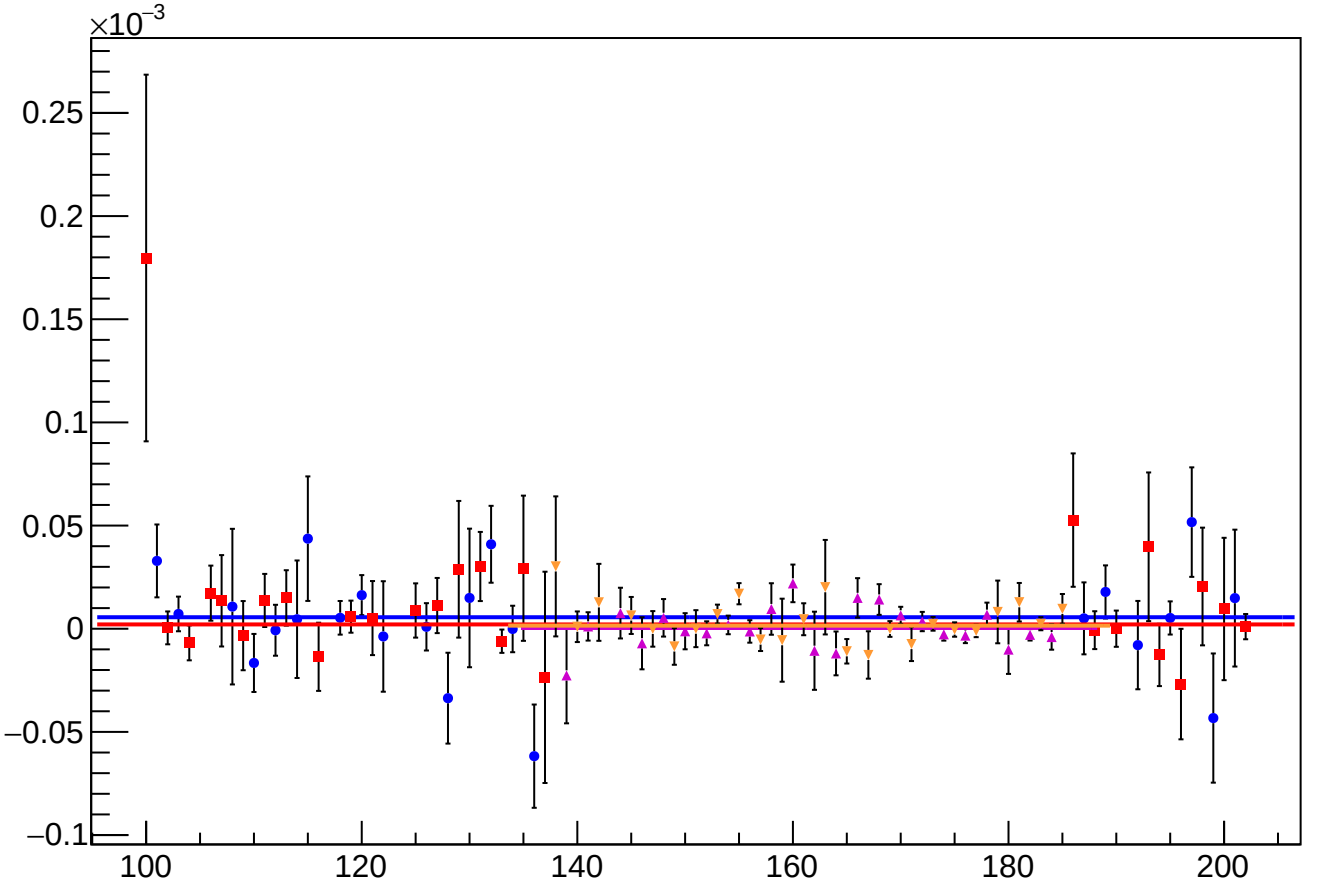
Right Out: 80.995+/-0.018 χ^2/NDF: 5952813.8/26

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 80.429+/-0.012 χ^2/NDF: 12826089.5/46

All: 78.565+/-0.008 χ^2/NDF: 27418144.9/96

- sign 76.914+/-0.012 χ^2/NDF: 14548878.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

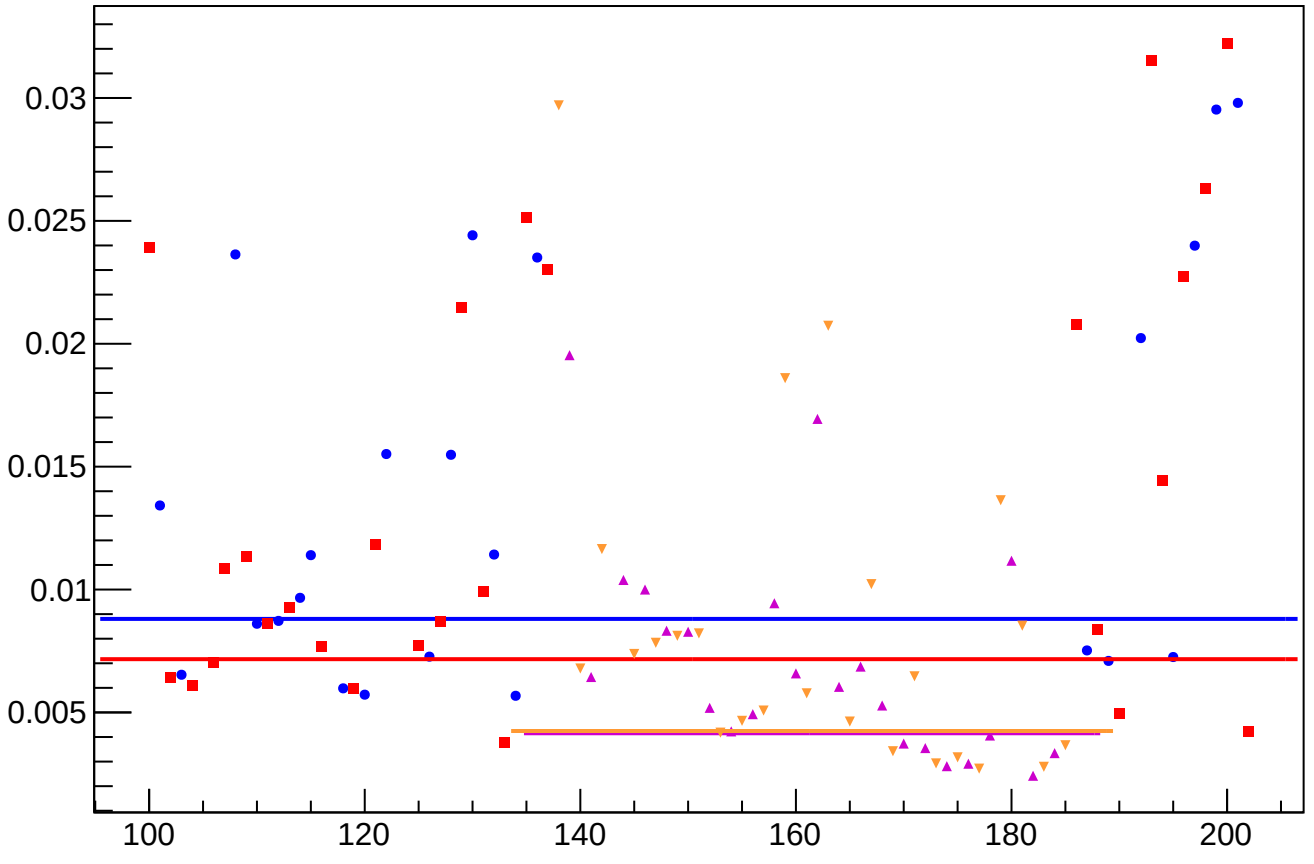
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/26

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.2/46

All: 0.000+/-0.000 χ^2/NDF: 107.1/96

- sign 0.000+/-0.000 χ^2/NDF: 48.2/49



Right In: 0.009+/-0.000 χ^2/NDF: 5735690.6/22

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

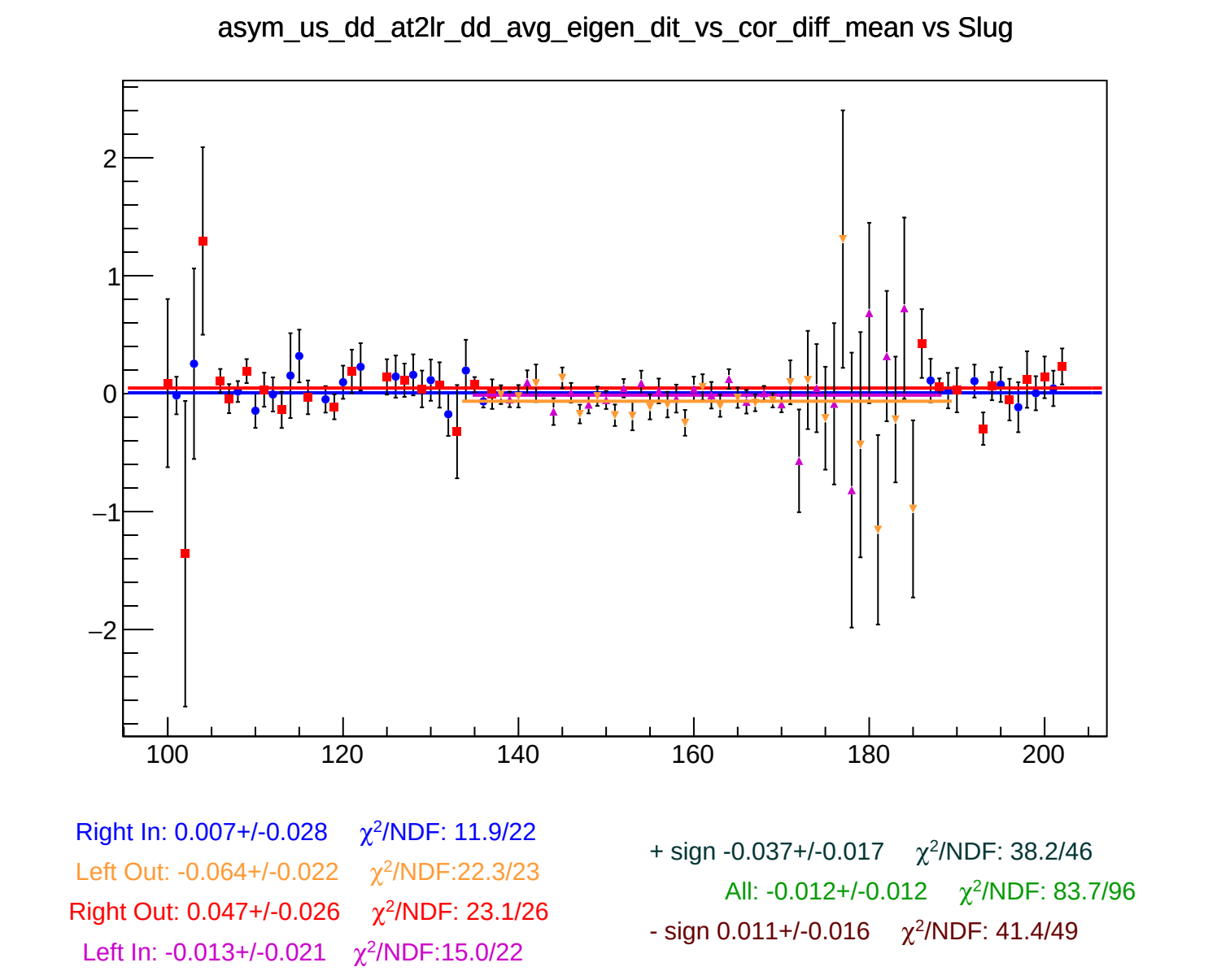
Right Out: 0.007+/-0.000 χ^2/NDF: 7434788.9/26

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 18449087.4/46

All: 0.005+/-0.000 χ^2/NDF: 35448017.3/96

- sign 0.005+/-0.000 χ^2/NDF: 16995310.3/49


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
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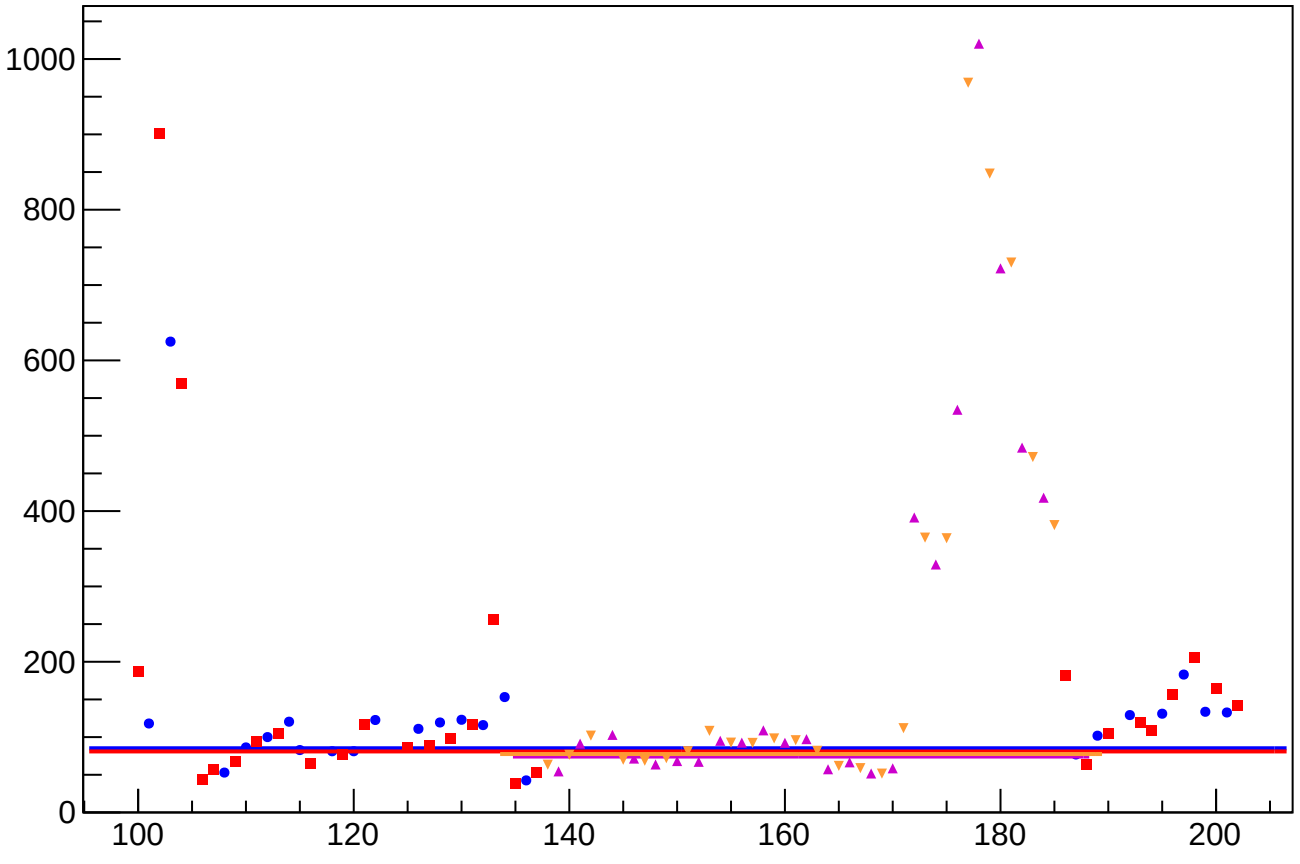
160
180
200
Right In: 0.007+/-0.028 χ²/NDF: 11.9/22
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.047+/-0.026 χ²/NDF: 23.1/26
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.037+/-0.017 χ²/NDF: 38.2/46
All: -0.012+/-0.012 χ²/NDF: 83.7/96
- sign 0.011+/-0.016 χ²/NDF: 41.4/49



Right In: 85.197+/-0.020 χ^2/NDF: 4400797.9/22

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

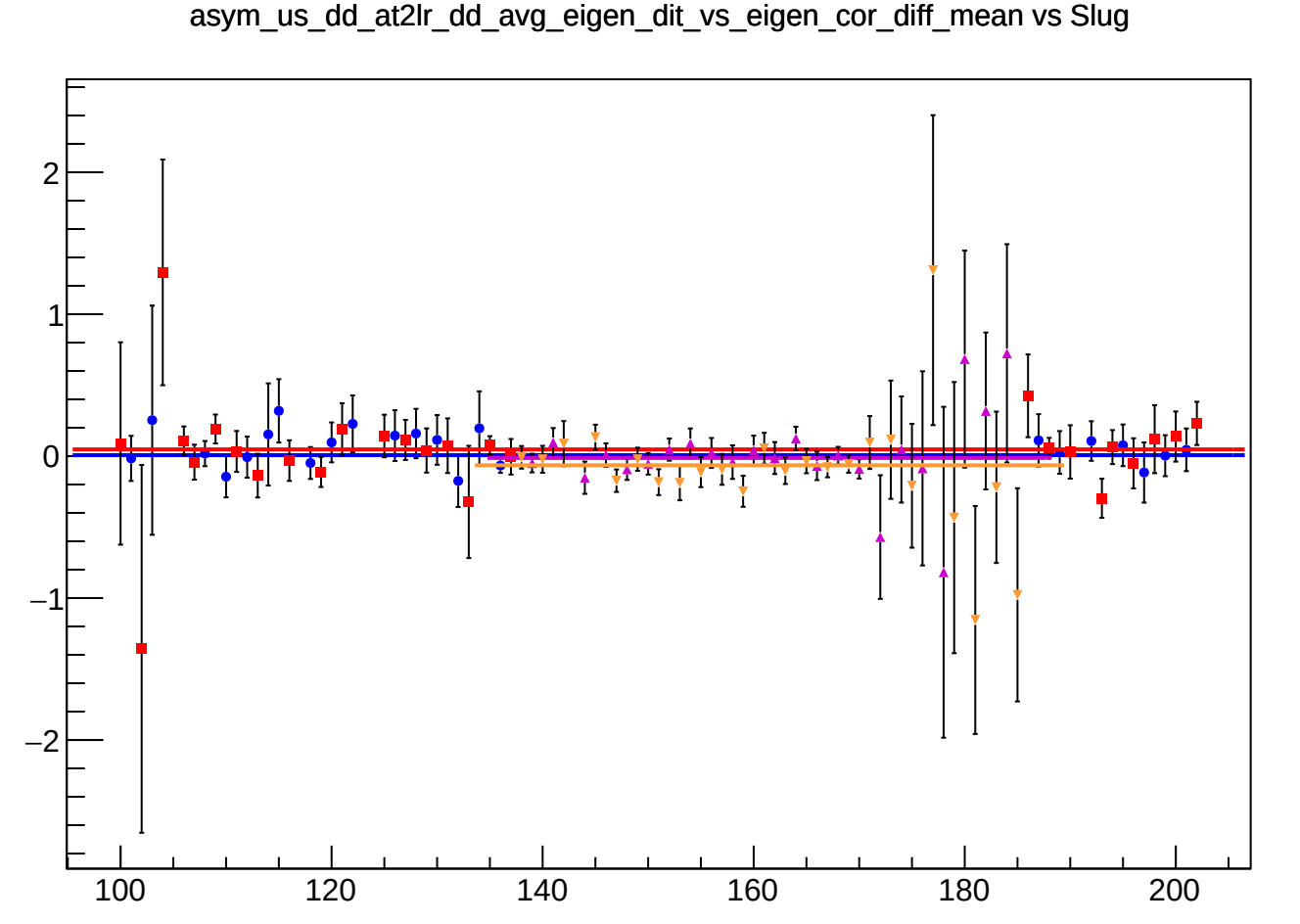
Right Out: 80.987+/-0.018 χ^2/NDF: 5954415.1/26

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 80.437+/-0.012 χ^2/NDF: 12823002.8/46

All: 78.567+/-0.008 χ^2/NDF: 27416392.4/96

- sign 76.912+/-0.012 χ^2/NDF: 14549958.2/49



Right In: 0.007+/-0.028 χ^2/NDF: 11.9/22

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

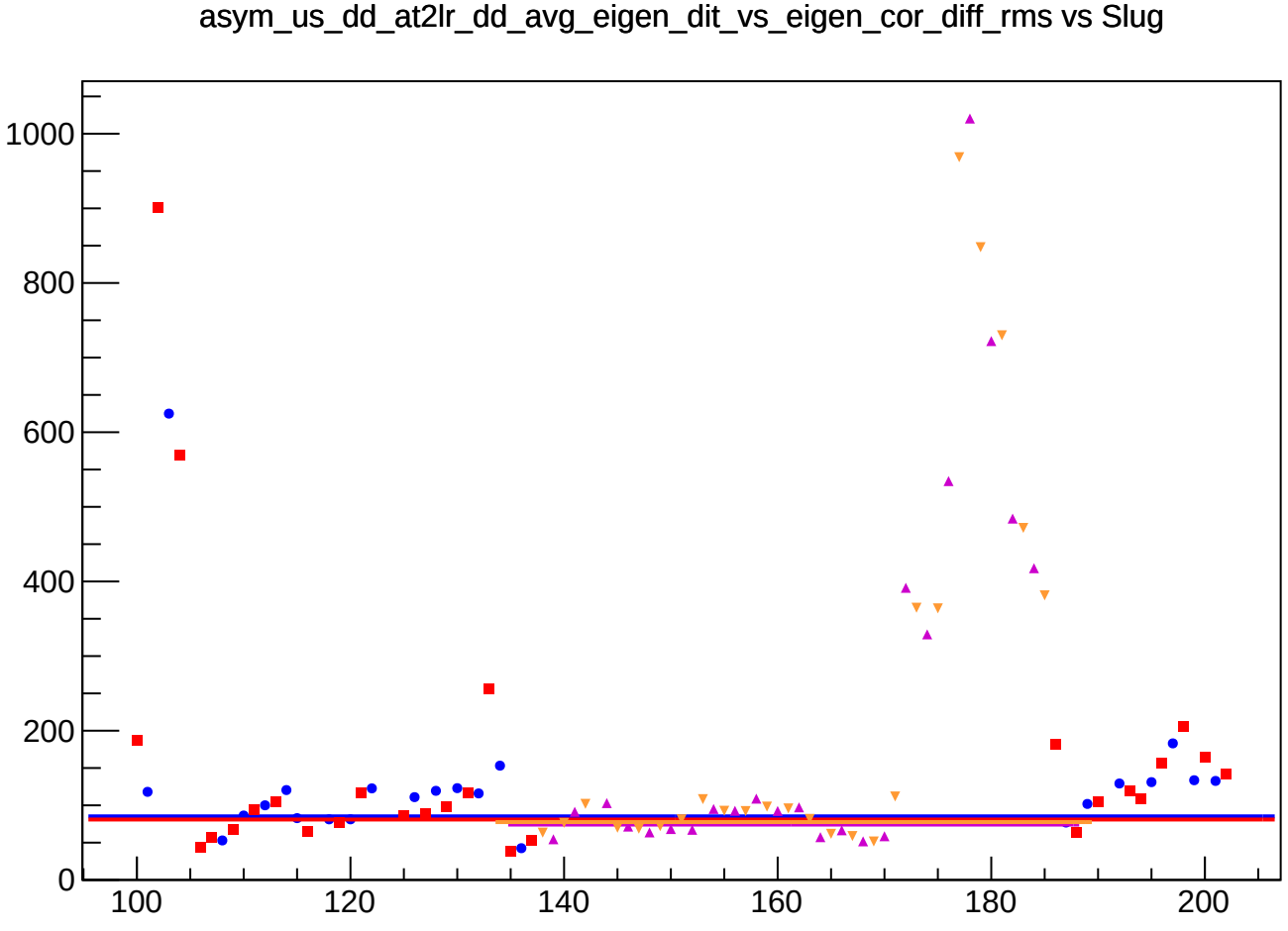
Right Out: 0.047+/-0.026 χ^2/NDF: 23.1/26

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.037+/-0.017 χ^2/NDF: 38.2/46

All: -0.012+/-0.012 χ^2/NDF: 83.7/96

- sign 0.011+/-0.016 χ^2/NDF: 41.4/49



Right In: 85.197+/-0.020 χ^2/NDF: 4400797.9/22

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

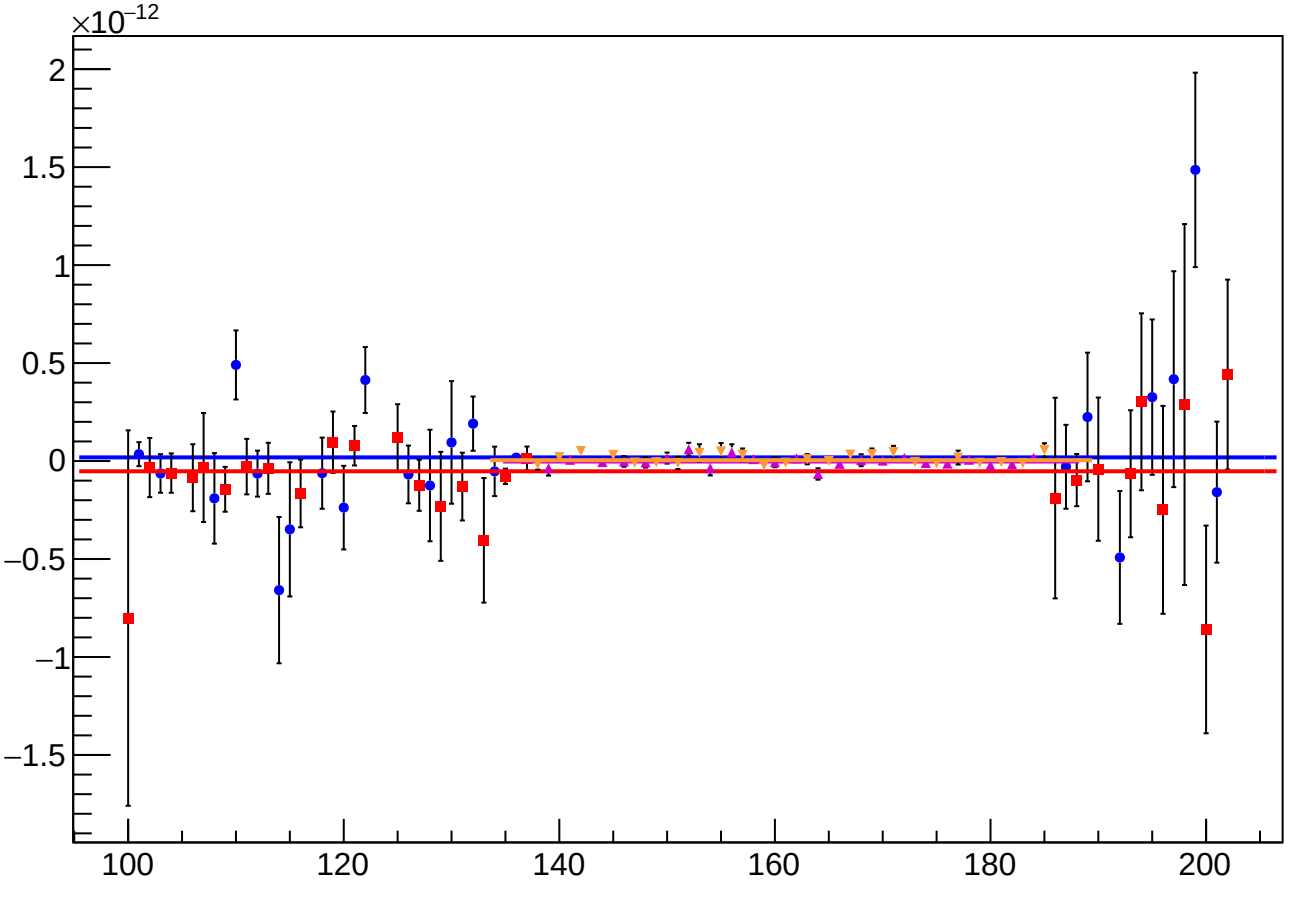
Right Out: 80.987+/-0.018 χ^2/NDF: 5954415.1/26

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 80.437+/-0.012 χ^2/NDF: 12823002.8/46

All: 78.567+/-0.008 χ^2/NDF: 27416392.4/96

- sign 76.912+/-0.012 χ^2/NDF: 14549958.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

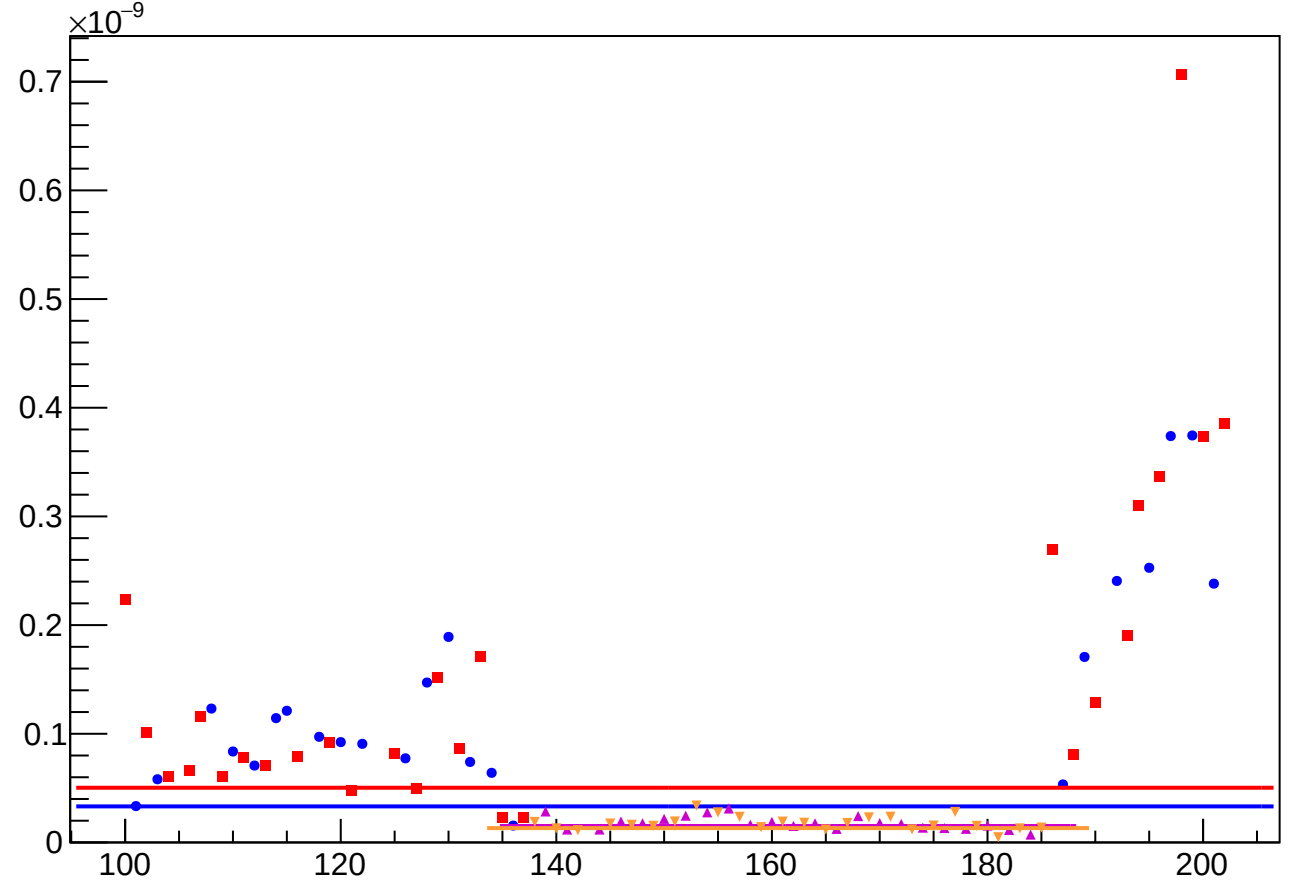
Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/26

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.4/46

All: 0.000+/-0.000 χ^2/NDF: 95.8/96

- sign -0.000+/-0.000 χ^2/NDF: 35.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 8232696.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7799249.4/26

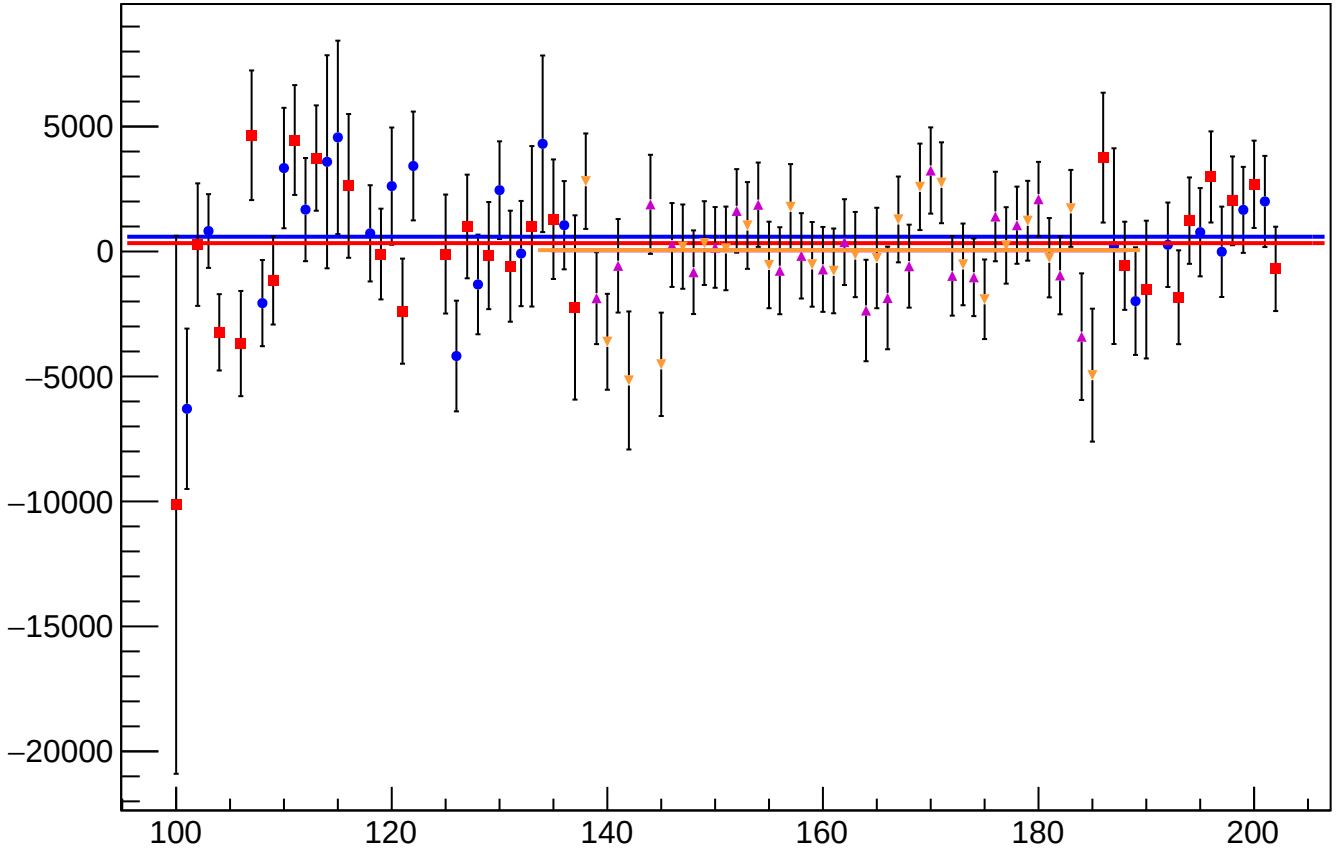
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14543262.9/46

All: 0.000+/-0.000 χ^2/NDF: 28859230.9/96

- sign 0.000+/-0.000 χ^2/NDF: 14064081.6/49

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 590.771+/-433.369 χ^2/NDF: 22.9/22

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 334.782+/-405.747 χ^2/NDF: 32.4/26

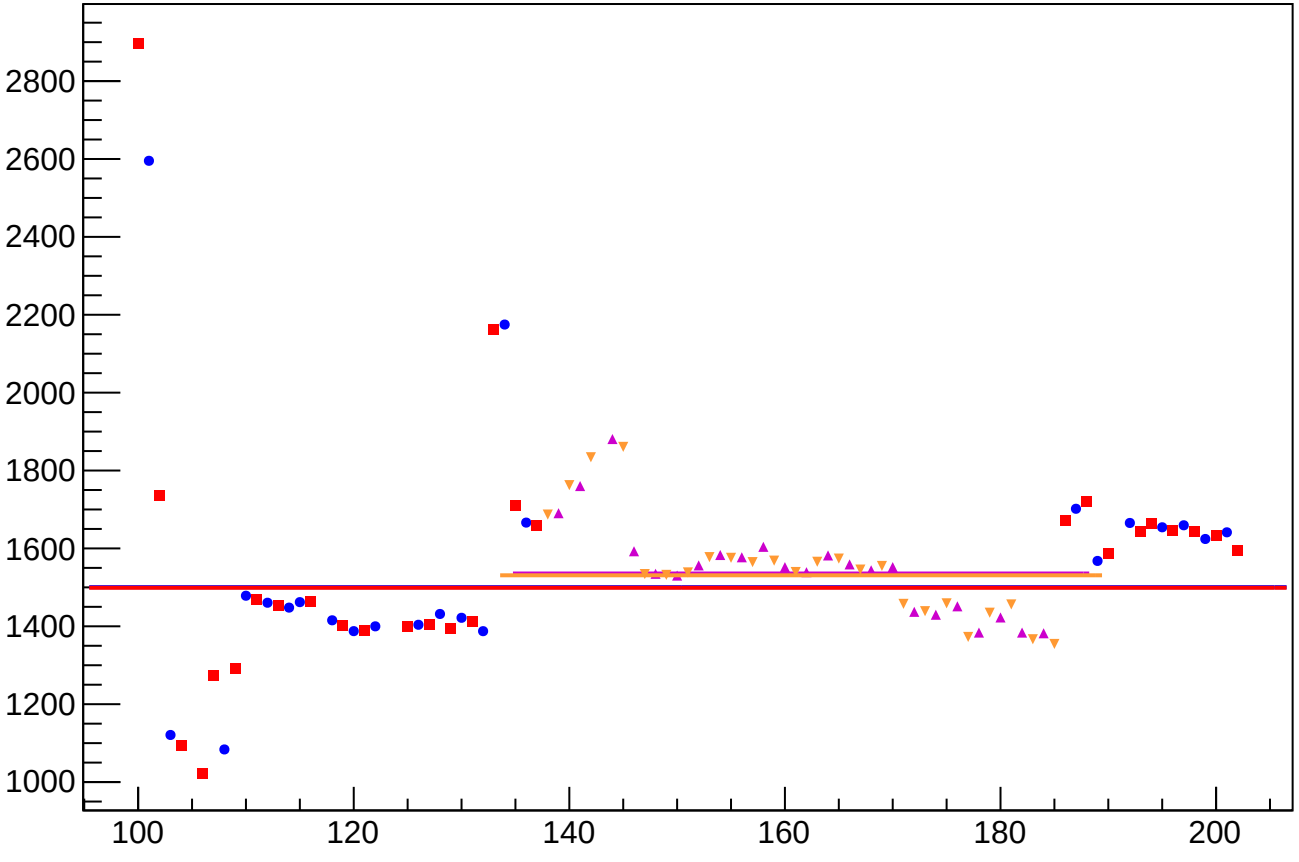
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 271.007+/-275.258 χ^2/NDF: 52.3/46

All: 221.524+/-192.419 χ^2/NDF: 101.8/96

- sign 174.234+/-269.089 χ^2/NDF: 49.4/49

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1500.509+/-0.306 χ^2/NDF: 681126.2/22

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

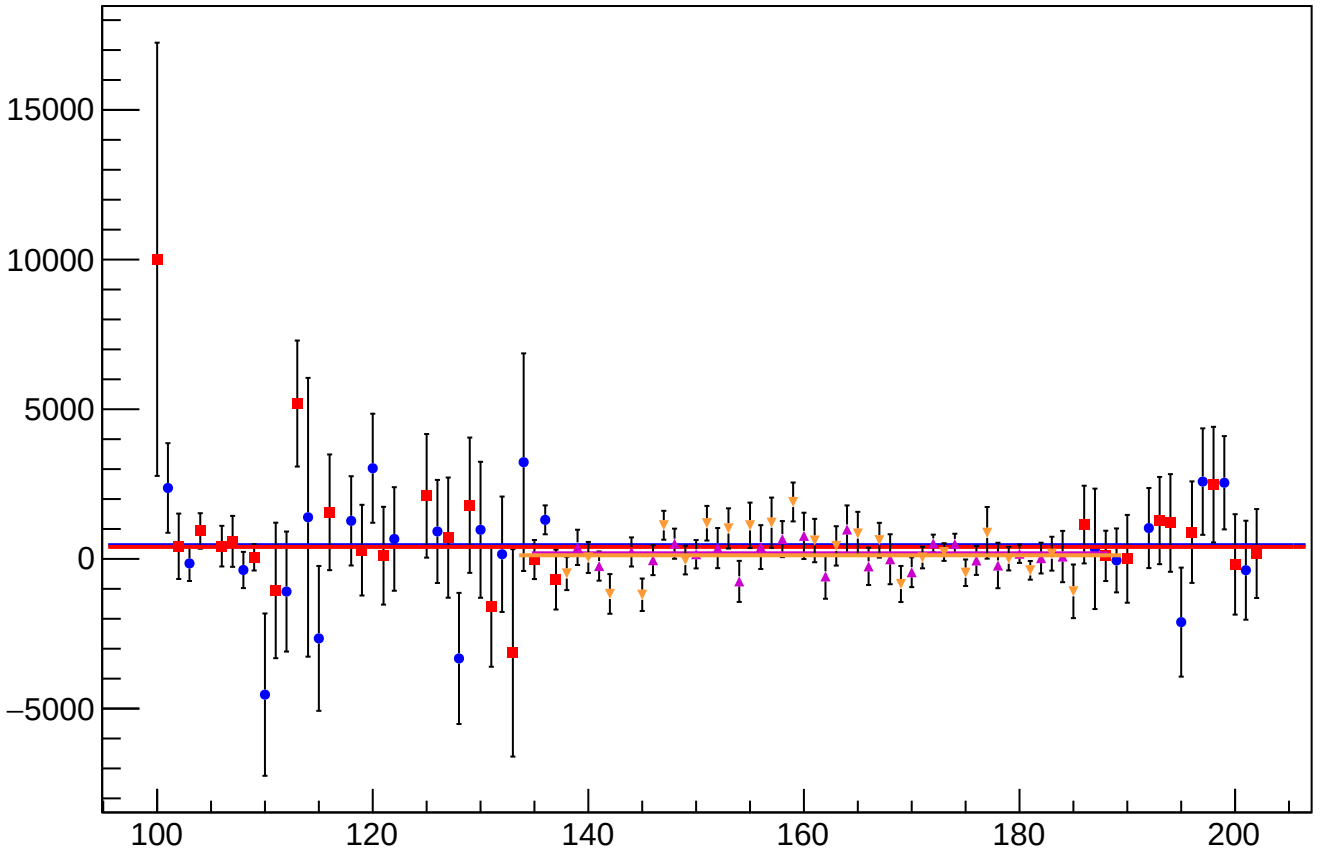
Right Out: 1498.962+/-0.287 χ^2/NDF: 589117.7/26

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1518.685+/-0.195 χ^2/NDF: 890563.0/46

All: 1519.080+/-0.136 χ^2/NDF: 1681232.1/96

- sign 1519.458+/-0.190 χ^2/NDF: 790661.0/49



Right In: 458.816+/-248.347 χ^2/NDF: 25.2/22

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 401.473+/-208.306 χ^2/NDF: 16.5/26

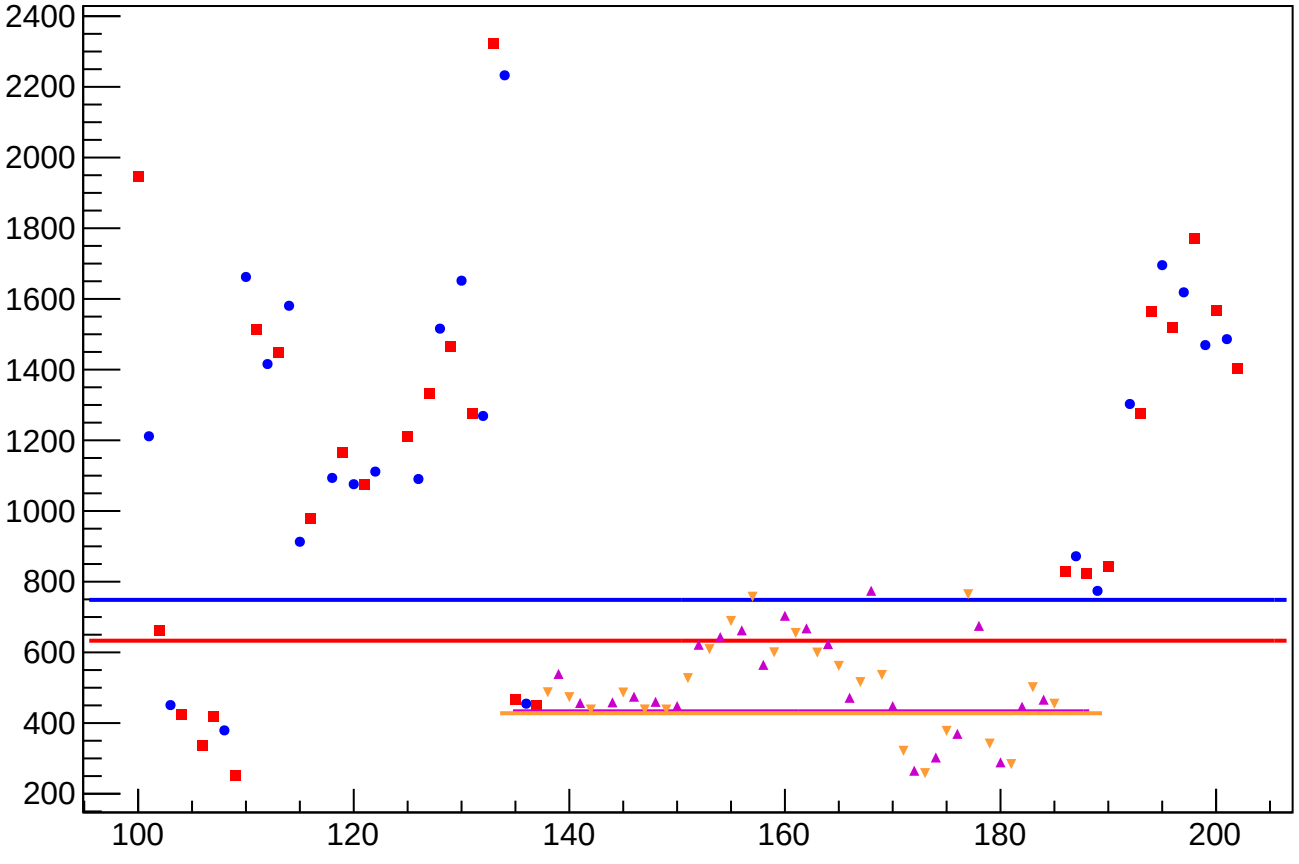
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 172.556+/-96.758 χ^2/NDF: 70.4/46

All: 202.581+/-67.846 χ^2/NDF: 99.6/96

- sign 231.623+/-95.160 χ^2/NDF: 28.9/49

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 748.558+/-0.176 χ^2/NDF: 6288171.0/22

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

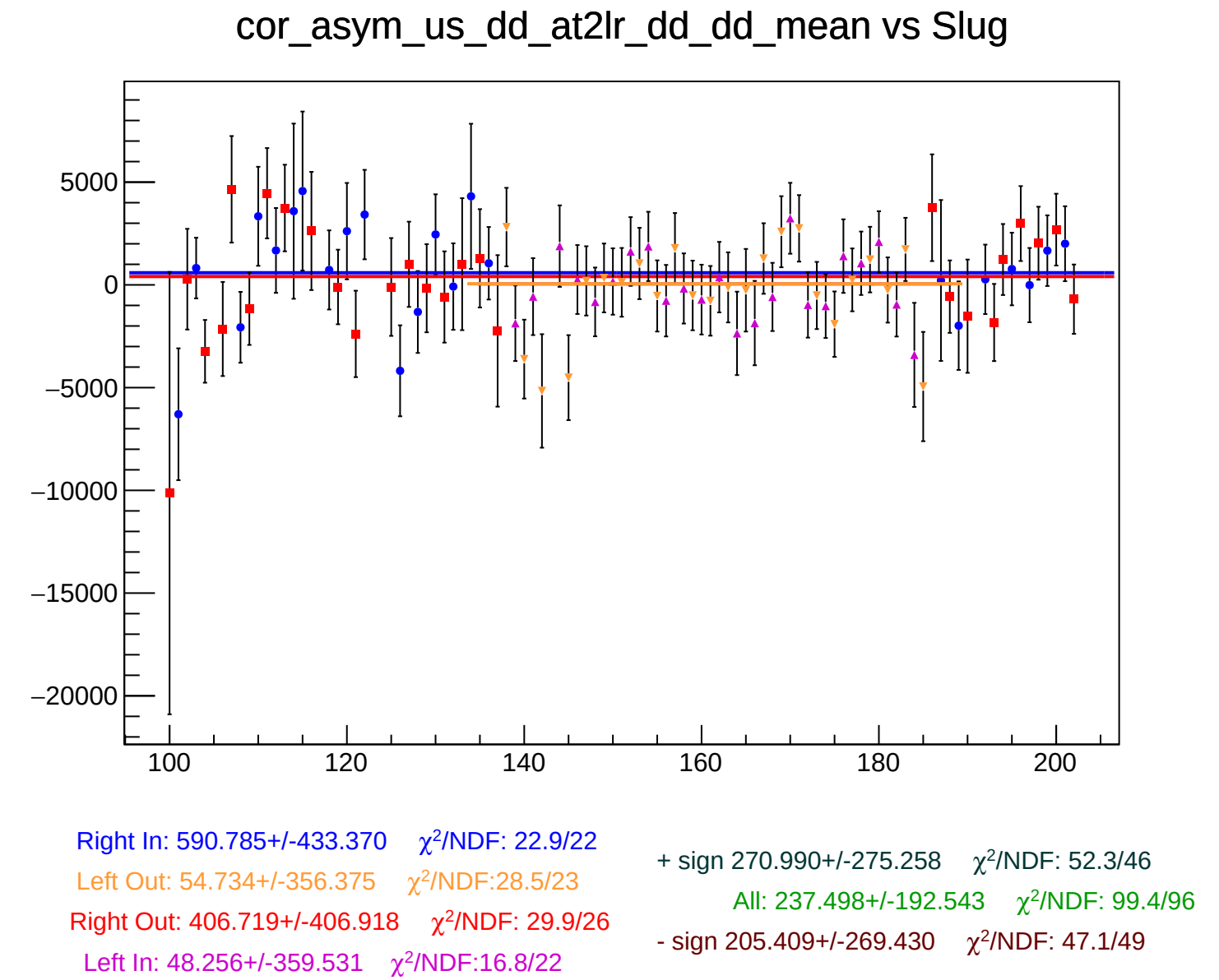
Right Out: 633.054+/-0.147 χ^2/NDF: 8583441.9/26

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

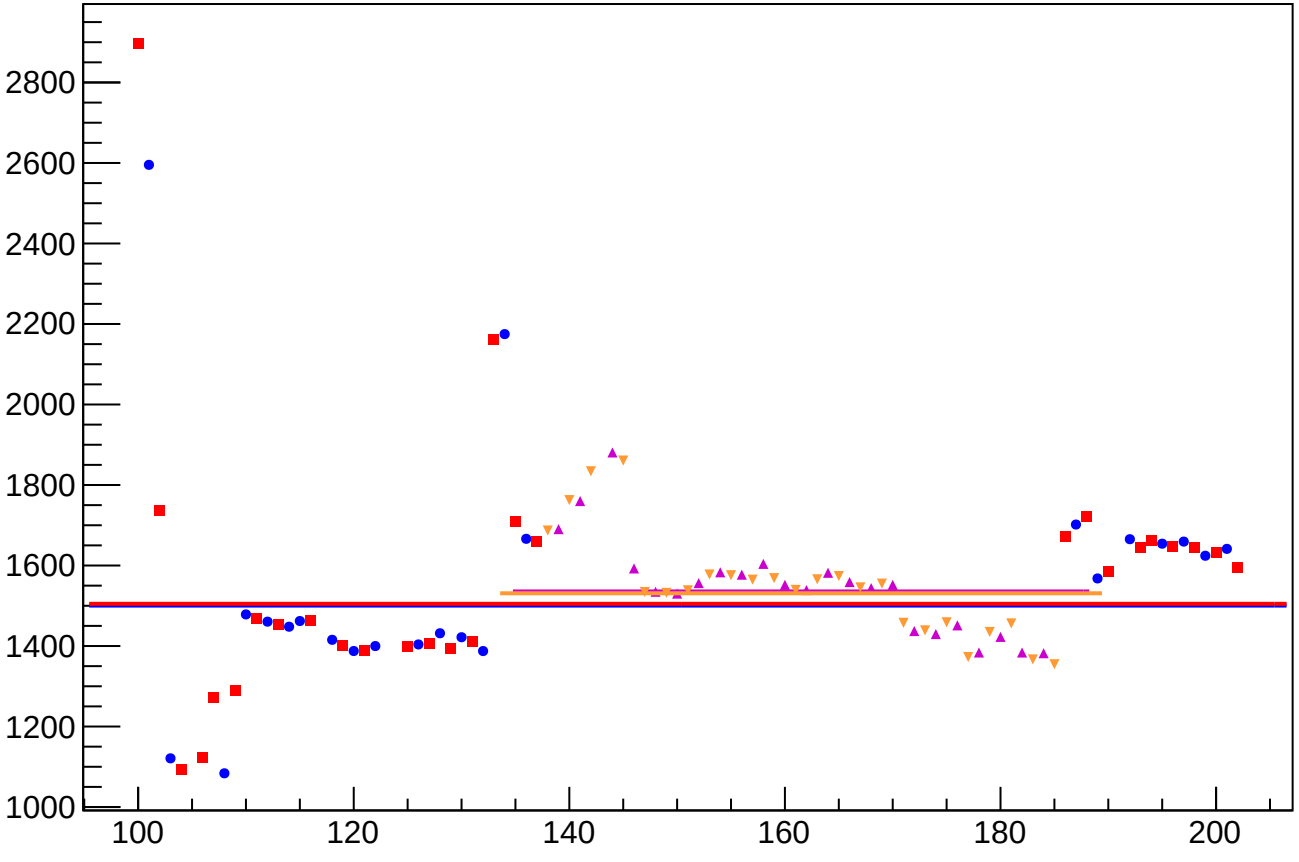
+ sign 476.501+/-0.068 χ^2/NDF: 12305953.6/46

All: 475.725+/-0.048 χ^2/NDF: 25593222.5/96

- sign 474.974+/-0.067 χ^2/NDF: 13287015.6/49


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: 590.785+/-433.370 χ²/NDF: 22.9/22
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: 406.719+/-406.918 χ²/NDF: 29.9/26
Left In: 48.256+/-359.531 χ²/NDF:16.8/22
+ sign 270.990+/-275.258 χ²/NDF: 52.3/46
All: 237.498+/-192.543 χ²/NDF: 99.4/96
- sign 205.409+/-269.430 χ²/NDF: 47.1/49

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1500.509+/-0.306 χ^2/NDF: 681126.6/22

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

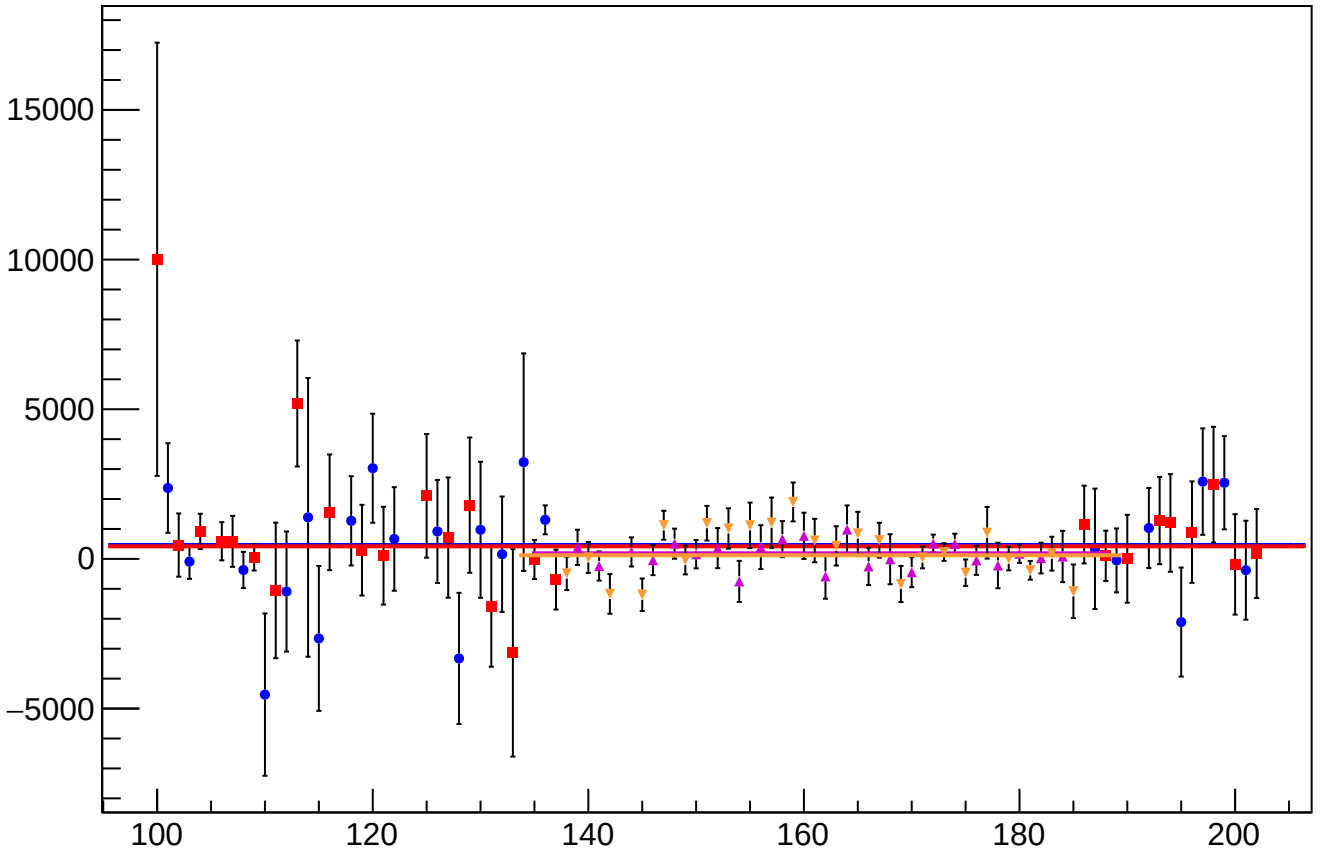
Right Out: 1504.845+/-0.288 χ^2/NDF: 540597.2/26

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1518.685+/-0.195 χ^2/NDF: 890563.3/46

All: 1520.423+/-0.136 χ^2/NDF: 1630145.1/96

- sign 1522.089+/-0.191 χ^2/NDF: 739425.5/49



Right In: 465.670+/-247.486 χ^2/NDF: 25.1/22

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 419.725+/-206.608 χ^2/NDF: 16.5/26

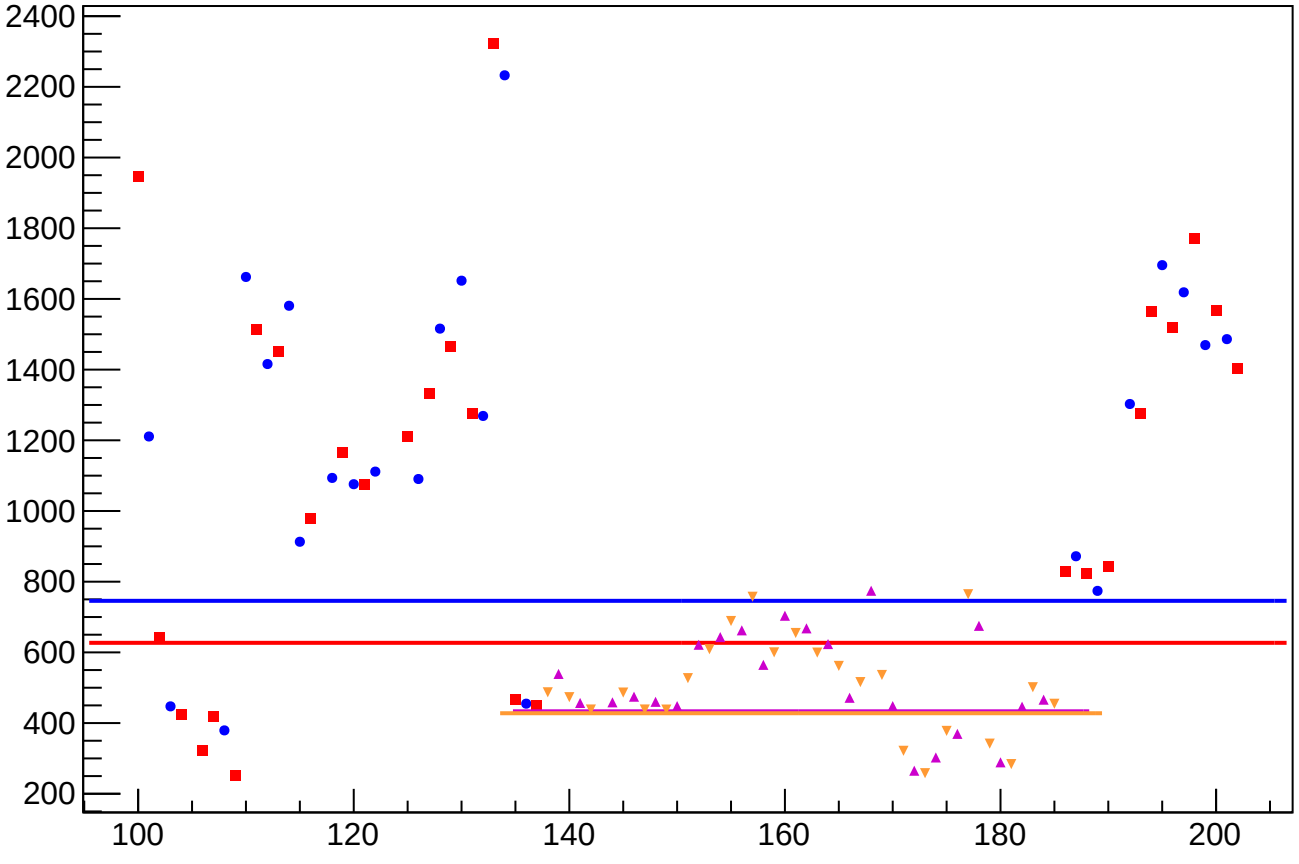
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 173.904+/-96.707 χ^2/NDF: 70.4/46

All: 205.623+/-67.770 χ^2/NDF: 99.7/96

- sign 236.229+/-94.997 χ^2/NDF: 29.1/49

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 745.840+/-0.175 χ^2/NDF: 6320459.0/22

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

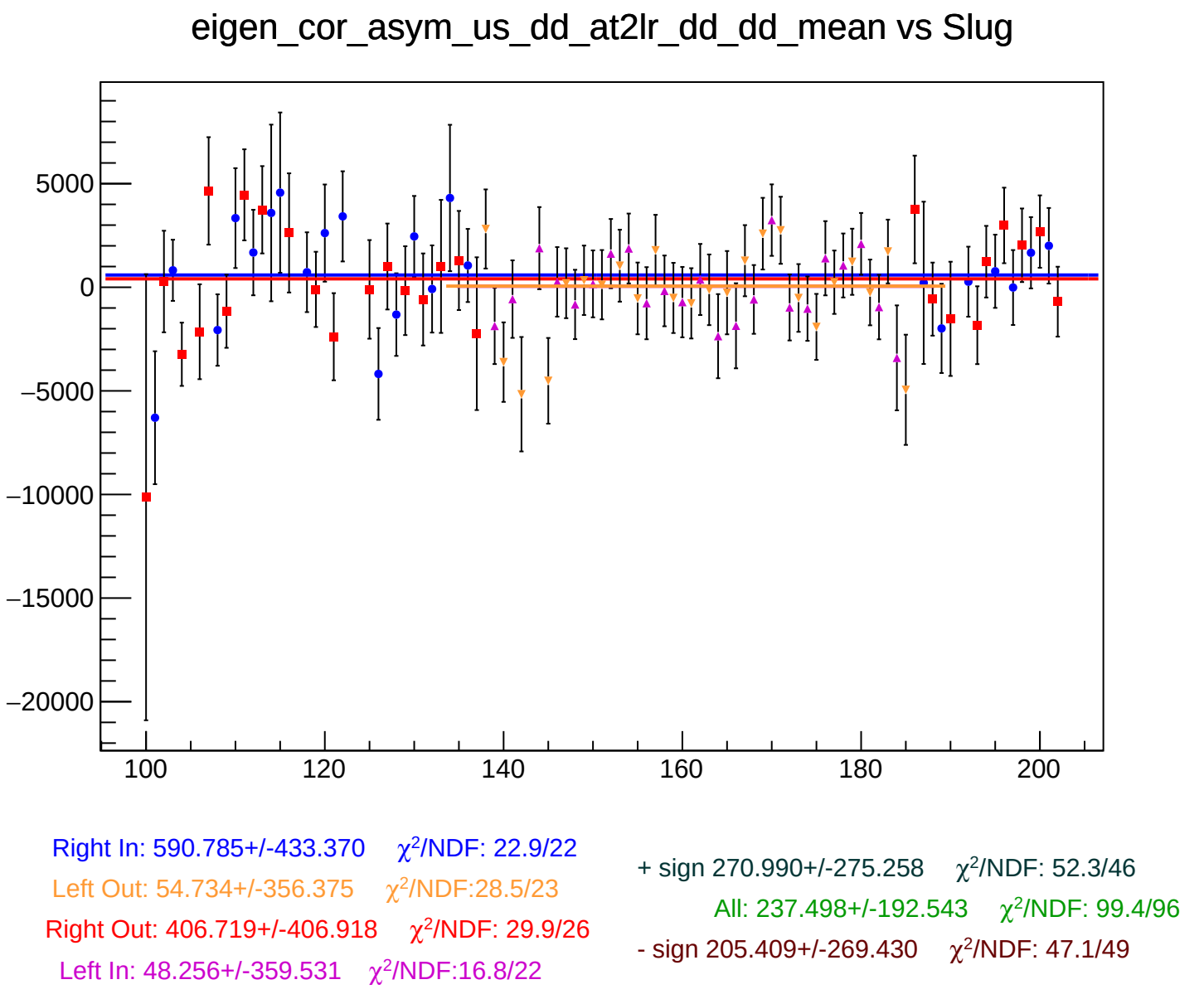
Right Out: 627.028+/-0.146 χ^2/NDF: 8672573.6/26

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

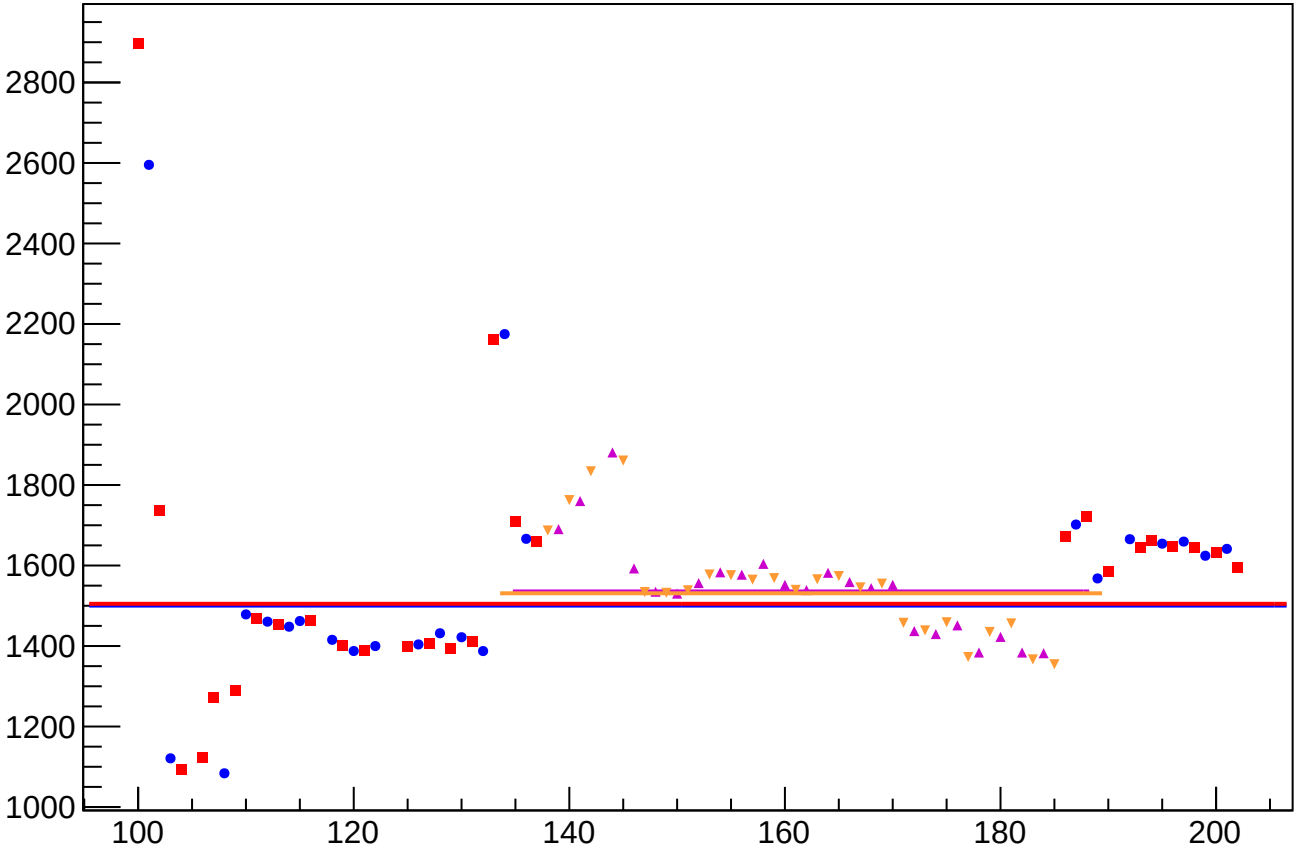
+ sign 476.374+/-0.068 χ^2/NDF: 12307156.9/46

All: 475.290+/-0.048 χ^2/NDF: 25614986.5/96

- sign 474.244+/-0.067 χ^2/NDF: 13307335.9/49


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: 590.785+/-433.370 χ²/NDF: 22.9/22
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: 406.719+/-406.918 χ²/NDF: 29.9/26
Left In: 48.256+/-359.531 χ²/NDF:16.8/22
+ sign 270.990+/-275.258 χ²/NDF: 52.3/46
All: 237.498+/-192.543 χ²/NDF: 99.4/96
- sign 205.409+/-269.430 χ²/NDF: 47.1/49

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1500.509+/-0.306 χ^2/NDF: 681126.6/22

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

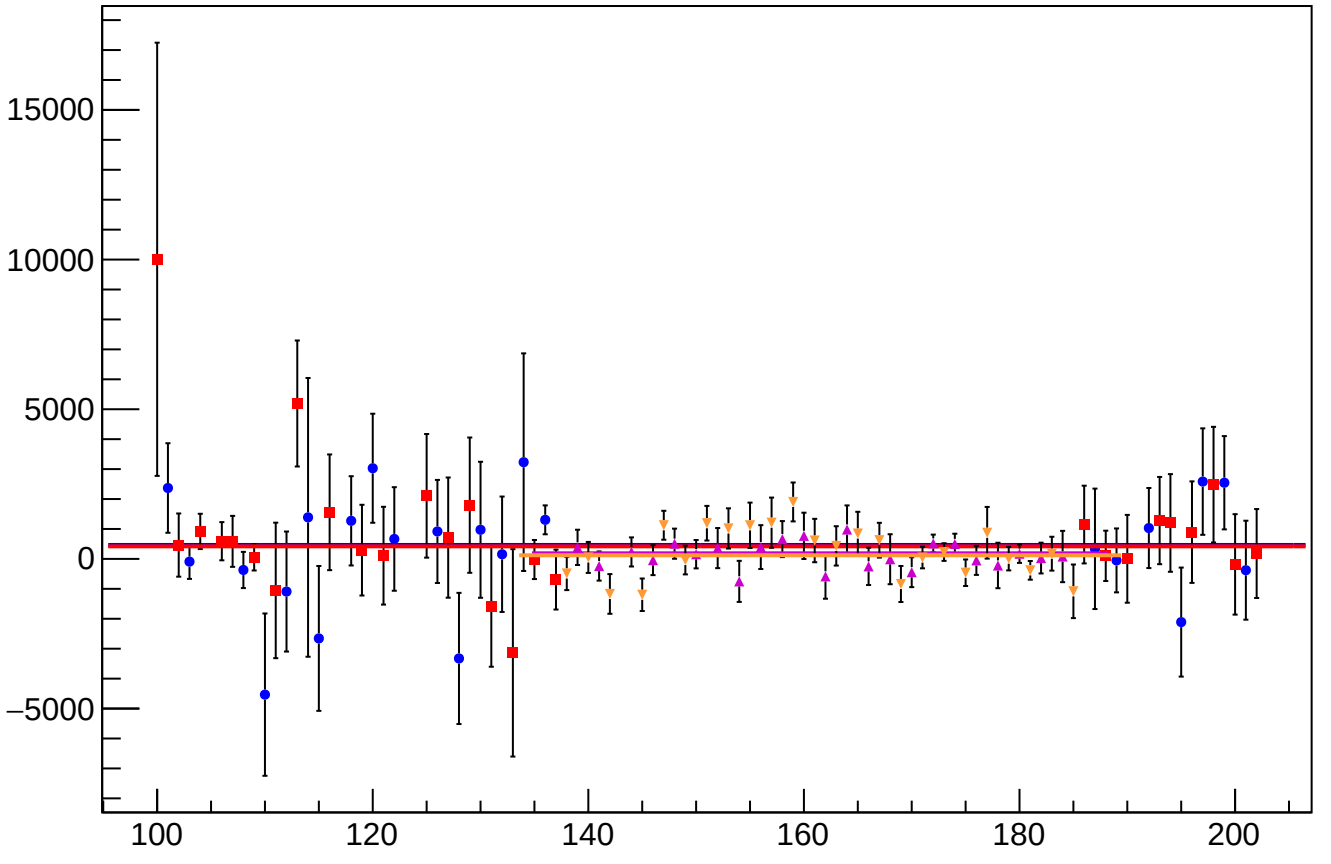
Right Out: 1504.845+/-0.288 χ^2/NDF: 540597.2/26

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1518.685+/-0.195 χ^2/NDF: 890563.3/46

All: 1520.423+/-0.136 χ^2/NDF: 1630145.1/96

- sign 1522.089+/-0.191 χ^2/NDF: 739425.5/49



Right In: 465.670+/-247.486 χ^2/NDF: 25.1/22

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

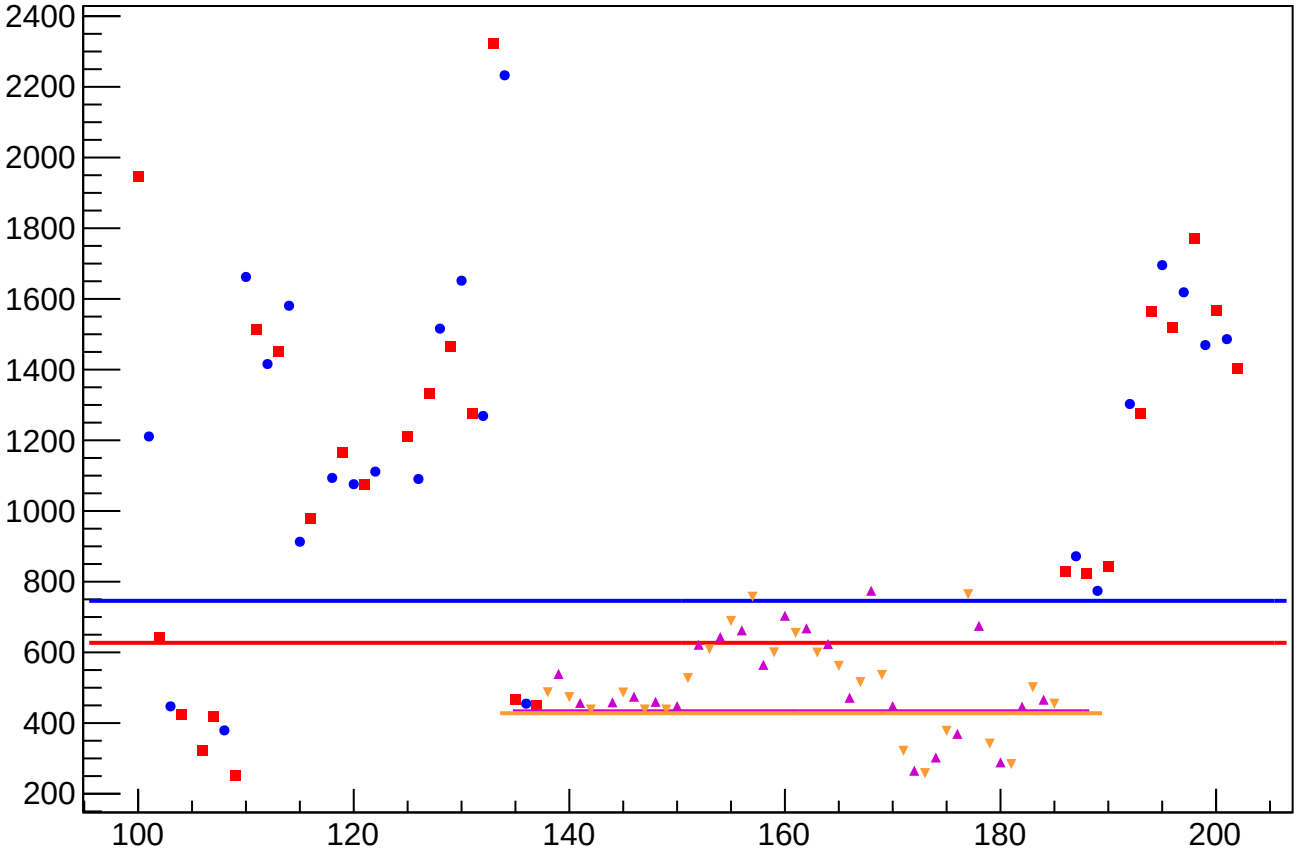
Right Out: 419.725+/-206.608 χ^2/NDF: 16.5/26

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 173.904+/-96.707 χ^2/NDF: 70.4/46

All: 205.623+/-67.770 χ^2/NDF: 99.7/96

- sign 236.229+/-94.997 χ^2/NDF: 29.1/49



Right In: 745.840+/-0.175 χ^2/NDF: 6320459.0/22

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

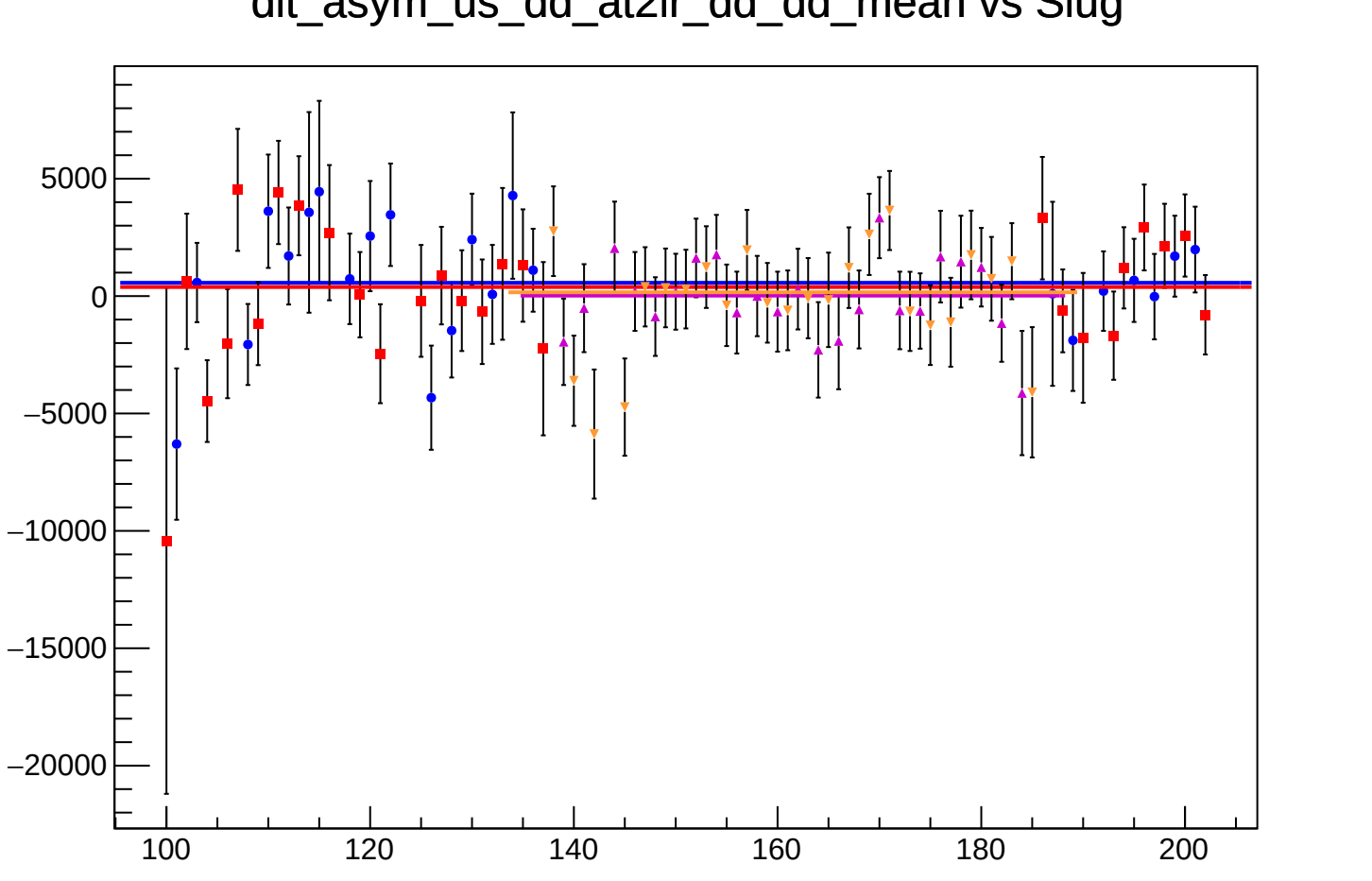
Right Out: 627.028+/-0.146 χ^2/NDF: 8672573.6/26

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 476.374+/-0.068 χ^2/NDF: 12307156.9/46

All: 475.290+/-0.048 χ^2/NDF: 25614986.5/96

- sign 474.244+/-0.067 χ^2/NDF: 13307335.9/49



Right In: 566.290+/-438.676 χ^2/NDF: 23.3/22

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 385.994+/-412.920 χ^2/NDF: 31.5/26

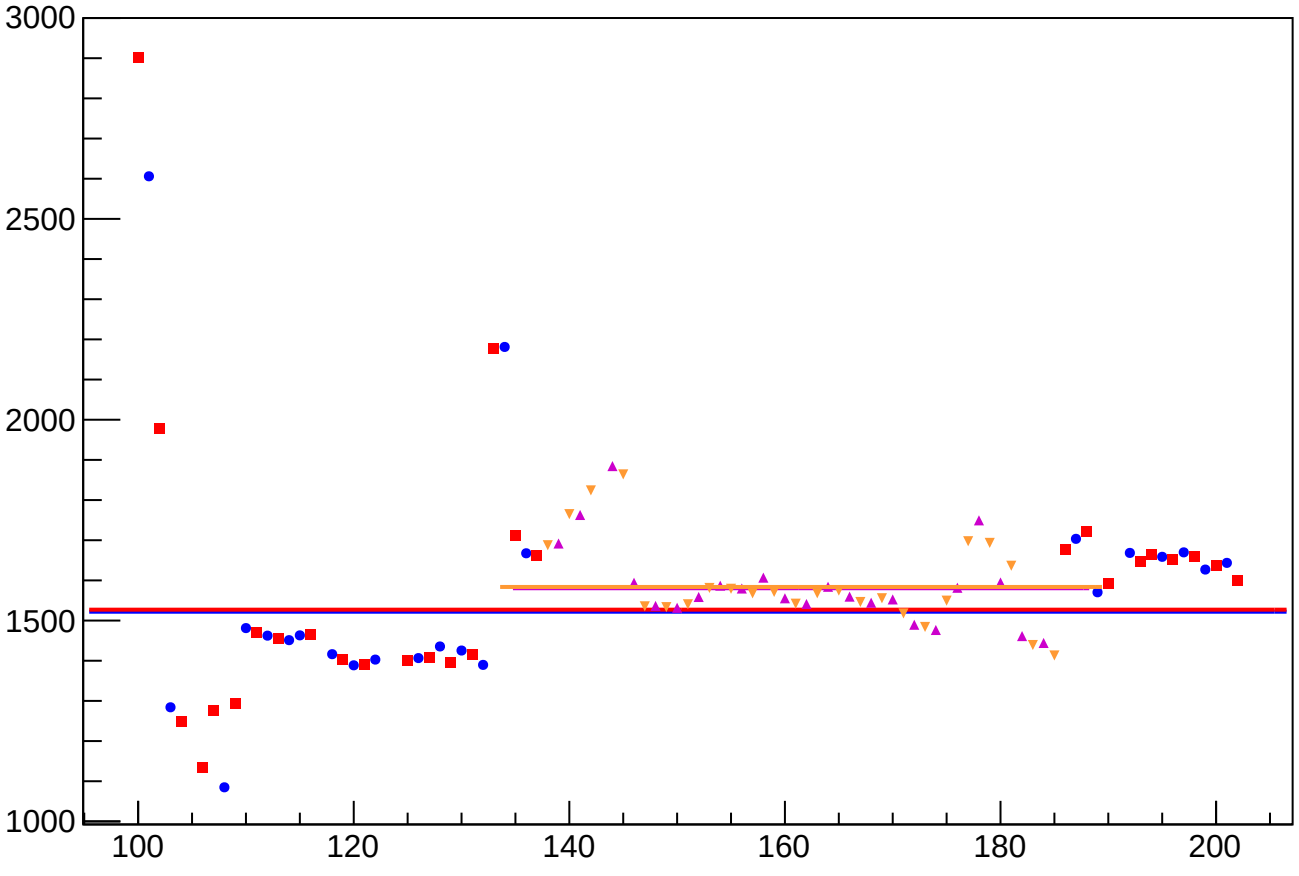
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 328.949+/-282.098 χ^2/NDF: 53.7/46

All: 254.252+/-197.087 χ^2/NDF: 101.7/96

- sign 183.026+/-275.468 χ^2/NDF: 47.9/49

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1522.049+/-0.310 χ^2/NDF: 582331.8/22

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

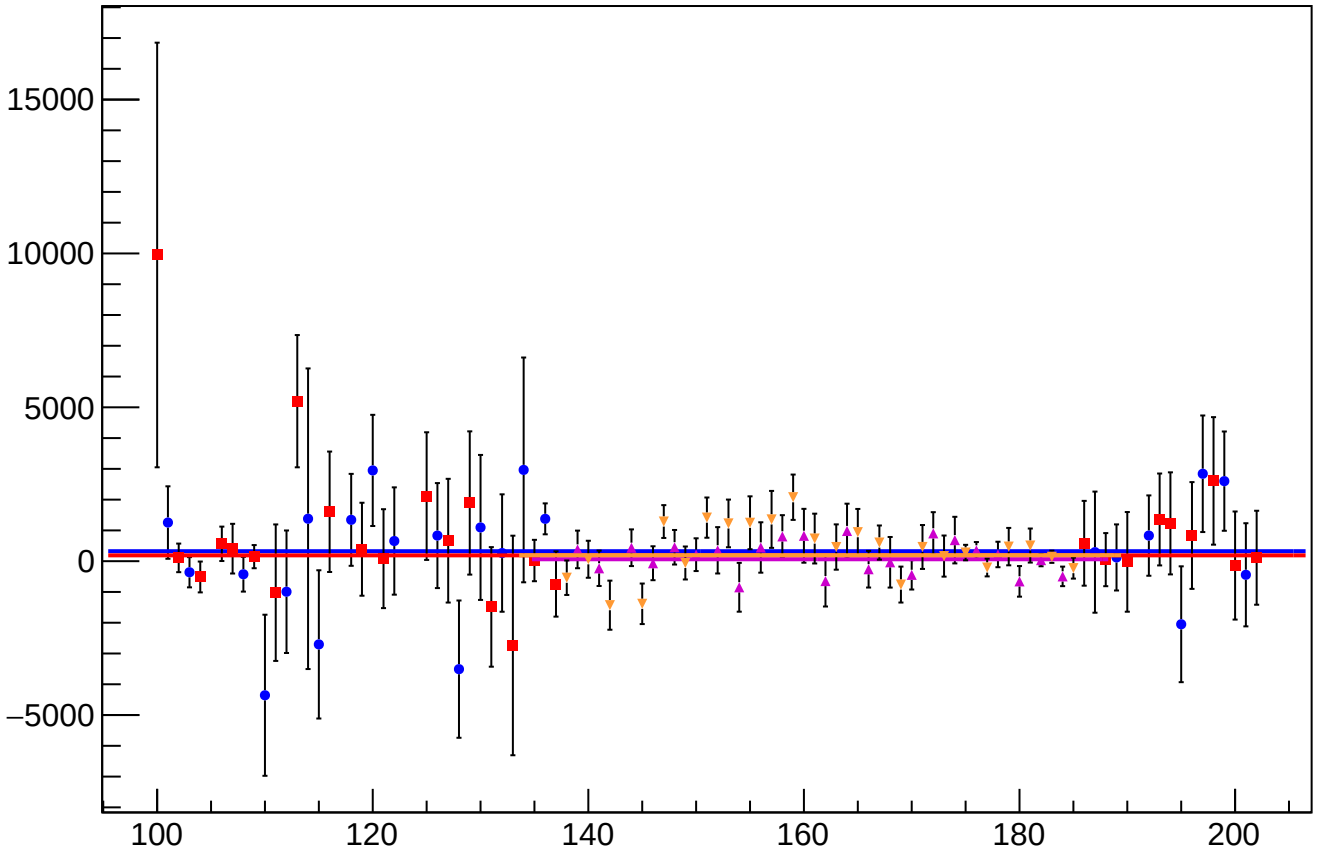
Right Out: 1527.122+/-0.292 χ^2/NDF: 470976.3/26

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1558.189+/-0.199 χ^2/NDF: 739061.7/46

All: 1557.439+/-0.139 χ^2/NDF: 1354333.8/96

- sign 1556.724+/-0.195 χ^2/NDF: 615244.5/49



Right In: 324.203+/-237.385 χ^2/NDF: 26.0/22

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

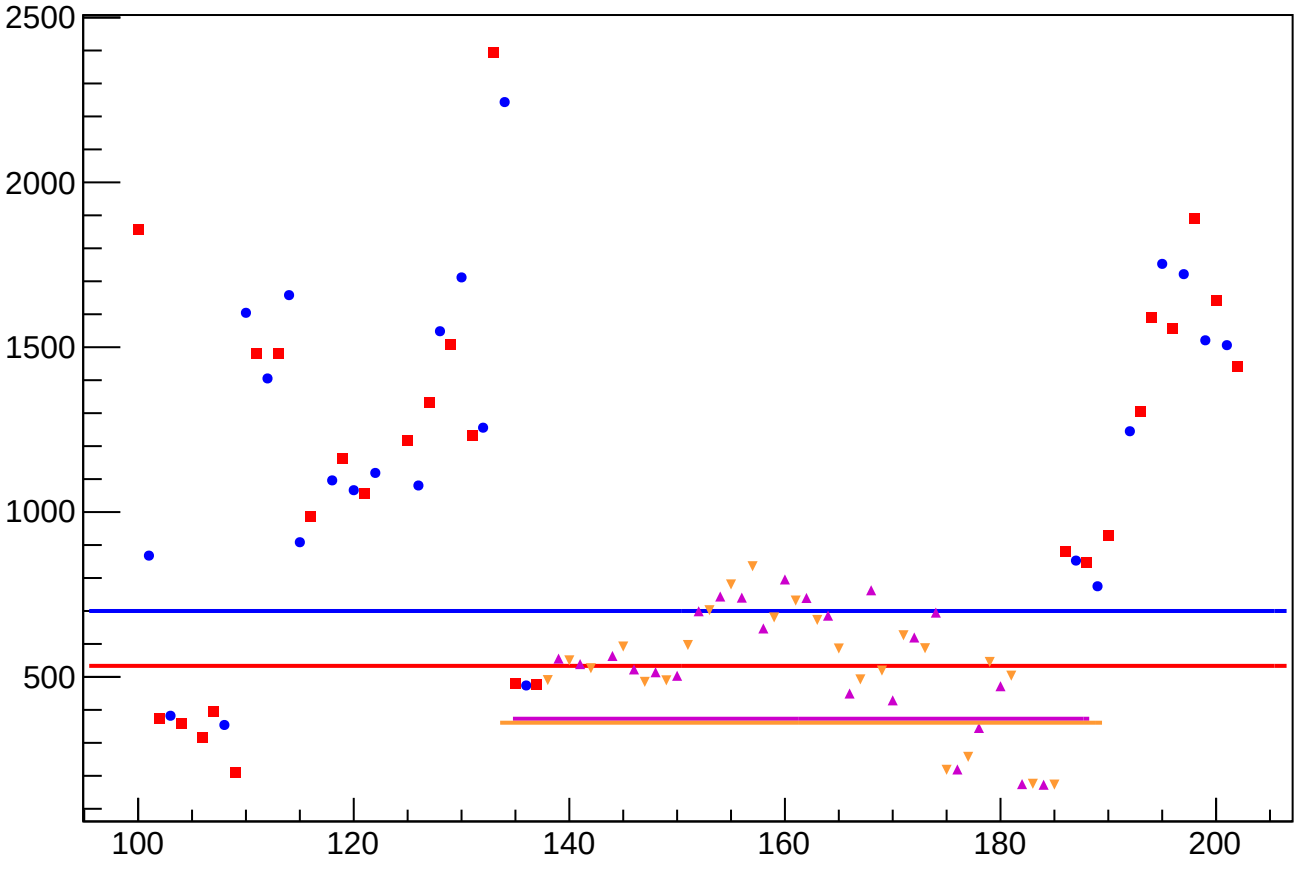
Right Out: 189.279+/-181.278 χ^2/NDF: 17.2/26

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 211.670+/-88.913 χ^2/NDF: 66.3/46

All: 150.639+/-62.319 χ^2/NDF: 101.8/96

- sign 91.707+/-87.371 χ^2/NDF: 34.6/49



Right In: 699.972+/-0.168 χ^2/NDF: 6796506.6/22

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

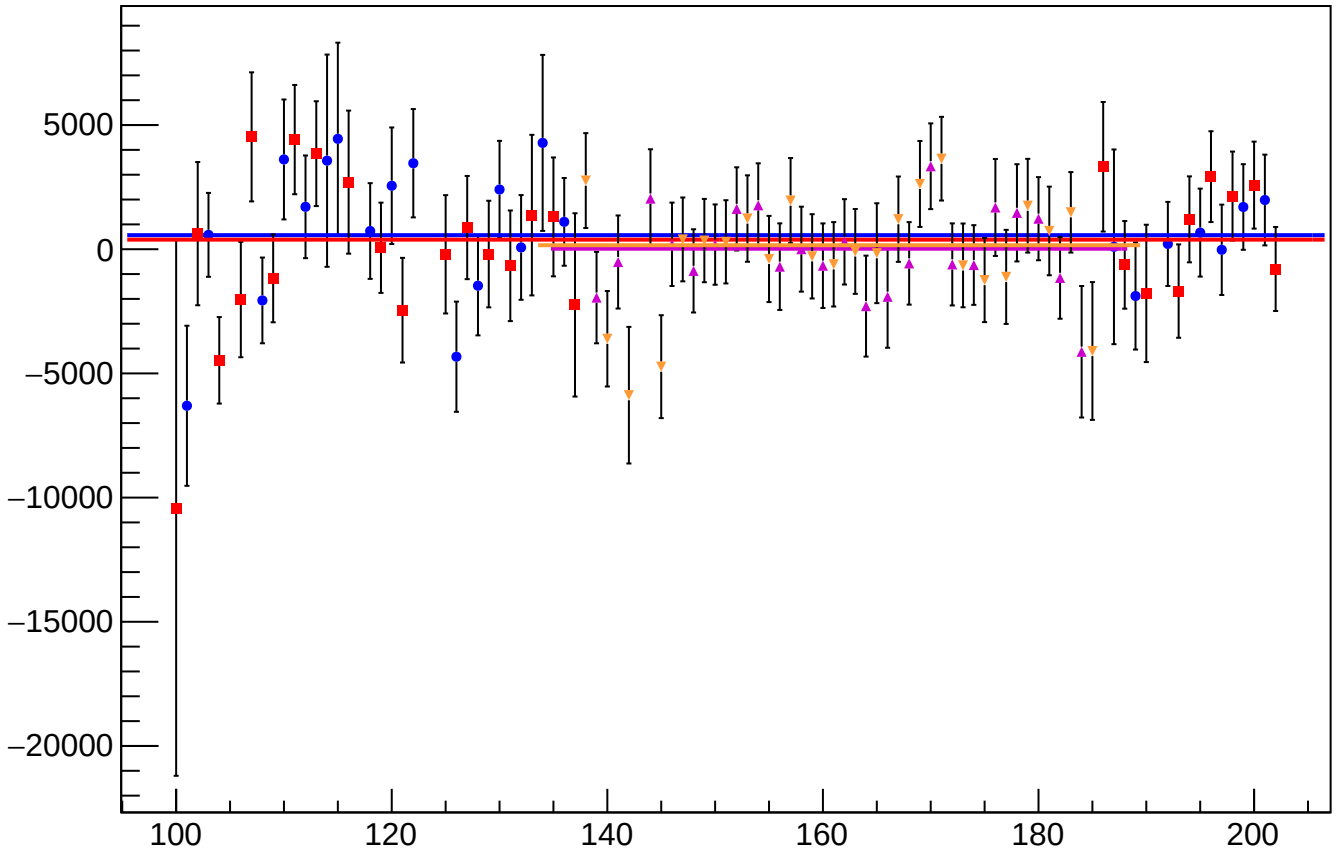
Right Out: 533.498+/-0.128 χ^2/NDF: 10409314.9/26

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 408.640+/-0.063 χ^2/NDF: 18483491.7/46

All: 409.531+/-0.044 χ^2/NDF: 38302029.4/96

- sign 410.391+/-0.062 χ^2/NDF: 19818143.0/49



Right In: 566.292+/-438.676 χ^2/NDF: 23.3/22

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 385.994+/-412.920 χ^2/NDF: 31.5/26

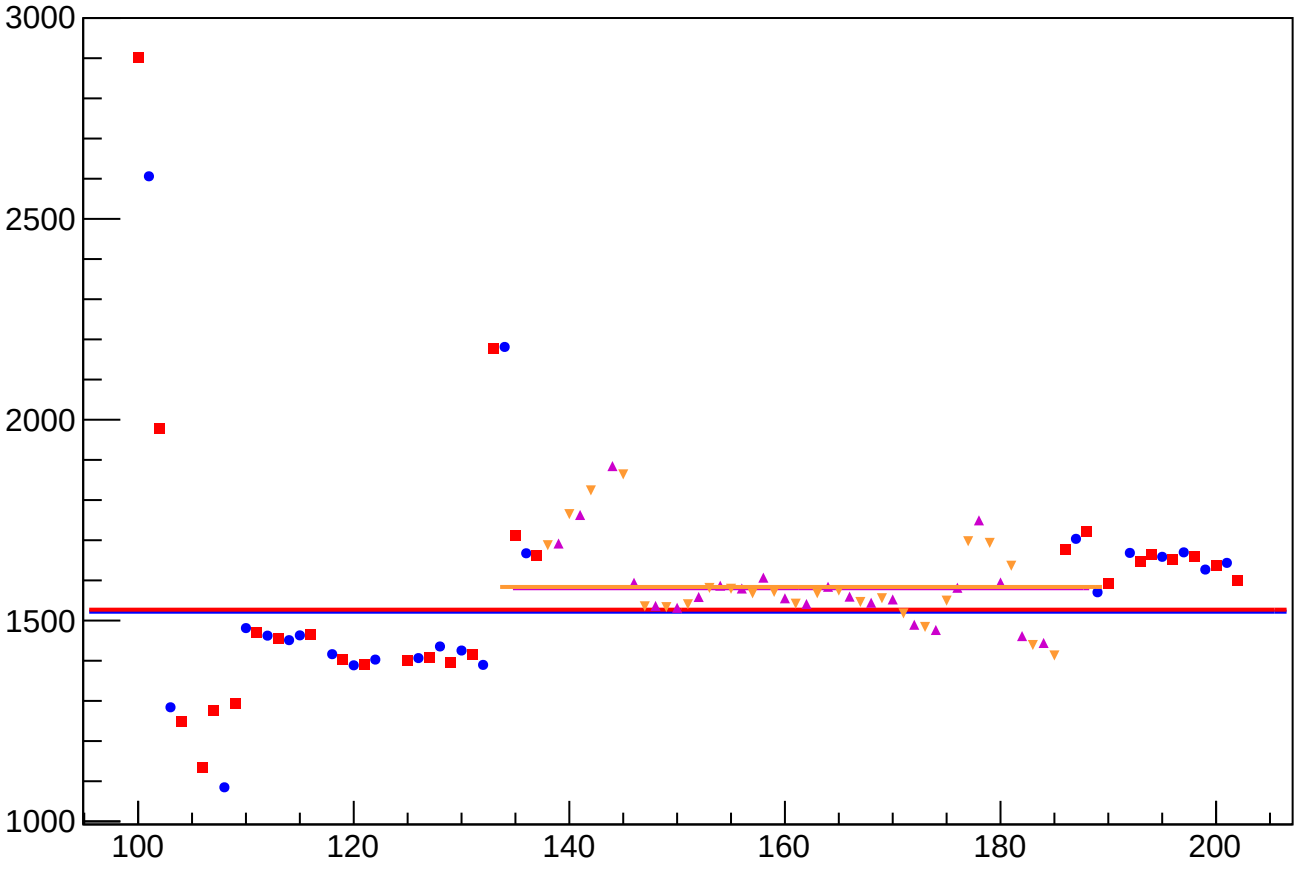
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 328.947+/-282.098 χ^2/NDF: 53.7/46

All: 254.251+/-197.087 χ^2/NDF: 101.7/96

- sign 183.025+/-275.468 χ^2/NDF: 47.9/49

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1522.049+/-0.310 χ^2/NDF: 582331.3/22

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

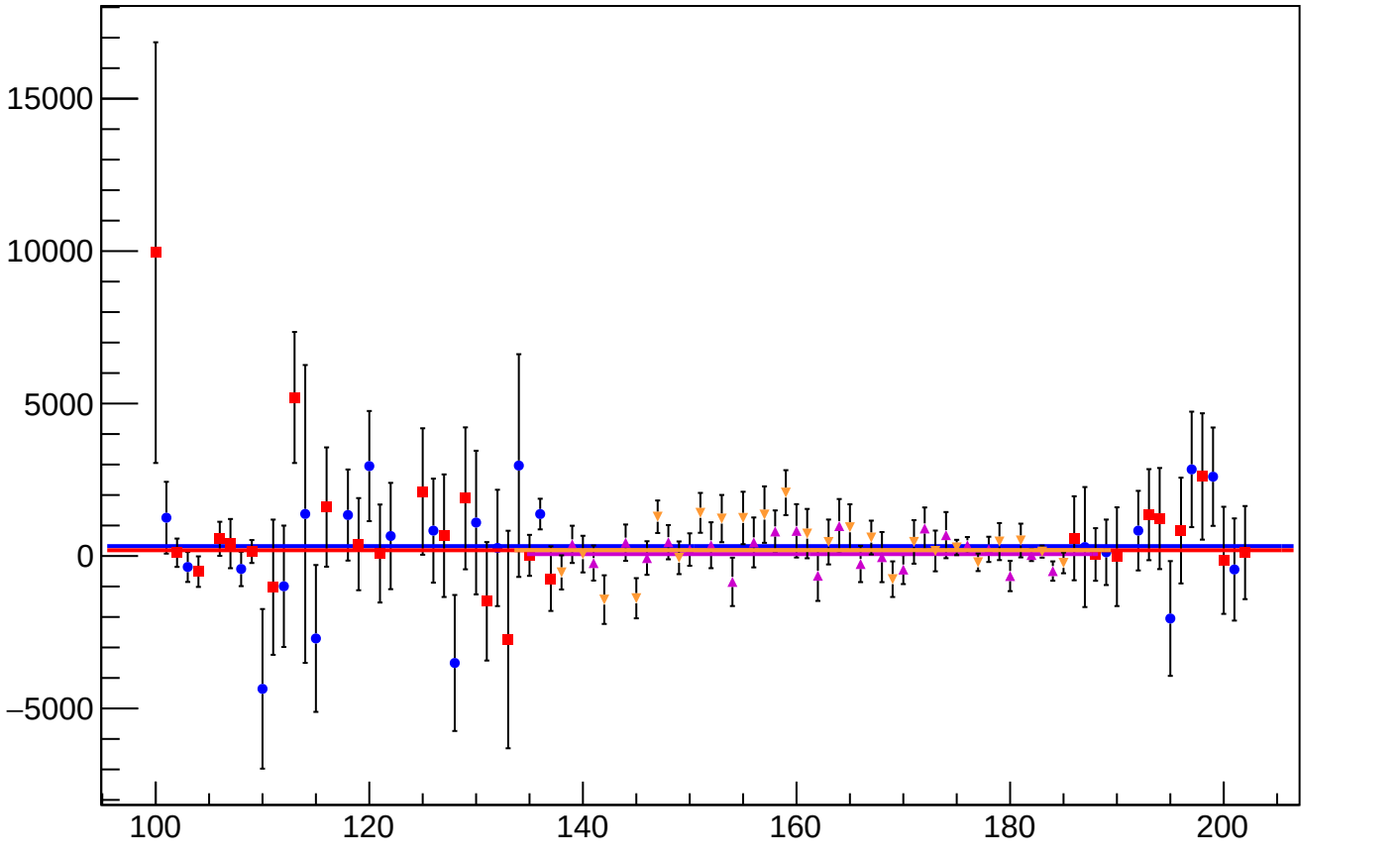
Right Out: 1527.122+/-0.292 χ^2/NDF: 470976.4/26

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1558.189+/-0.199 χ^2/NDF: 739061.2/46

All: 1557.439+/-0.139 χ^2/NDF: 1354333.2/96

- sign 1556.724+/-0.195 χ^2/NDF: 615244.4/49



Right In: 324.196+/-237.385 χ^2/NDF: 26.0/22

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

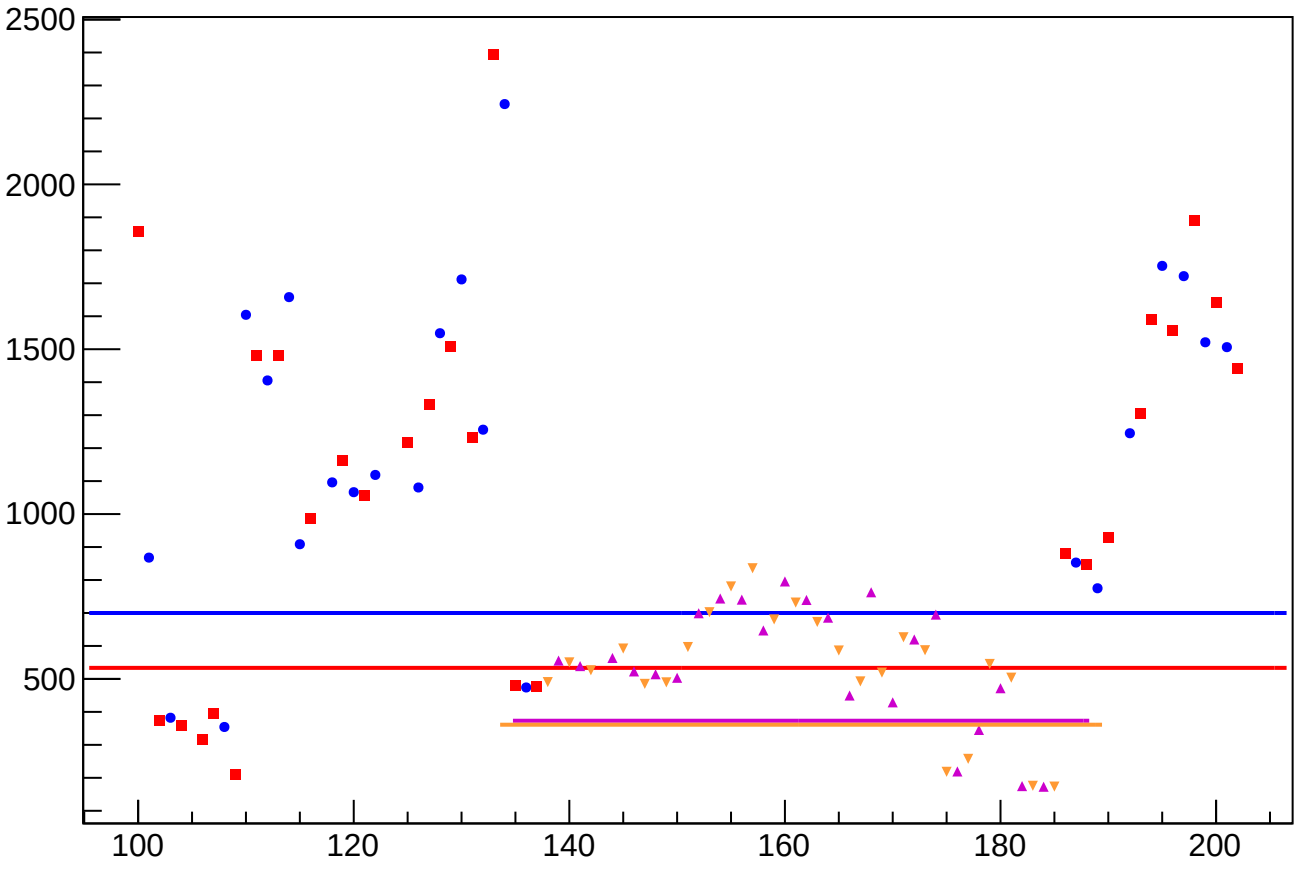
Right Out: 189.276+/-181.279 χ^2/NDF: 17.2/26

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 211.674+/-88.914 χ^2/NDF: 66.3/46

All: 150.640+/-62.319 χ^2/NDF: 101.8/96

- sign 91.705+/-87.372 χ^2/NDF: 34.6/49



Right In: 699.970+/-0.168 χ^2/NDF: 6796556.1/22

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 533.504+/-0.128 χ^2/NDF: 10409187.3/26

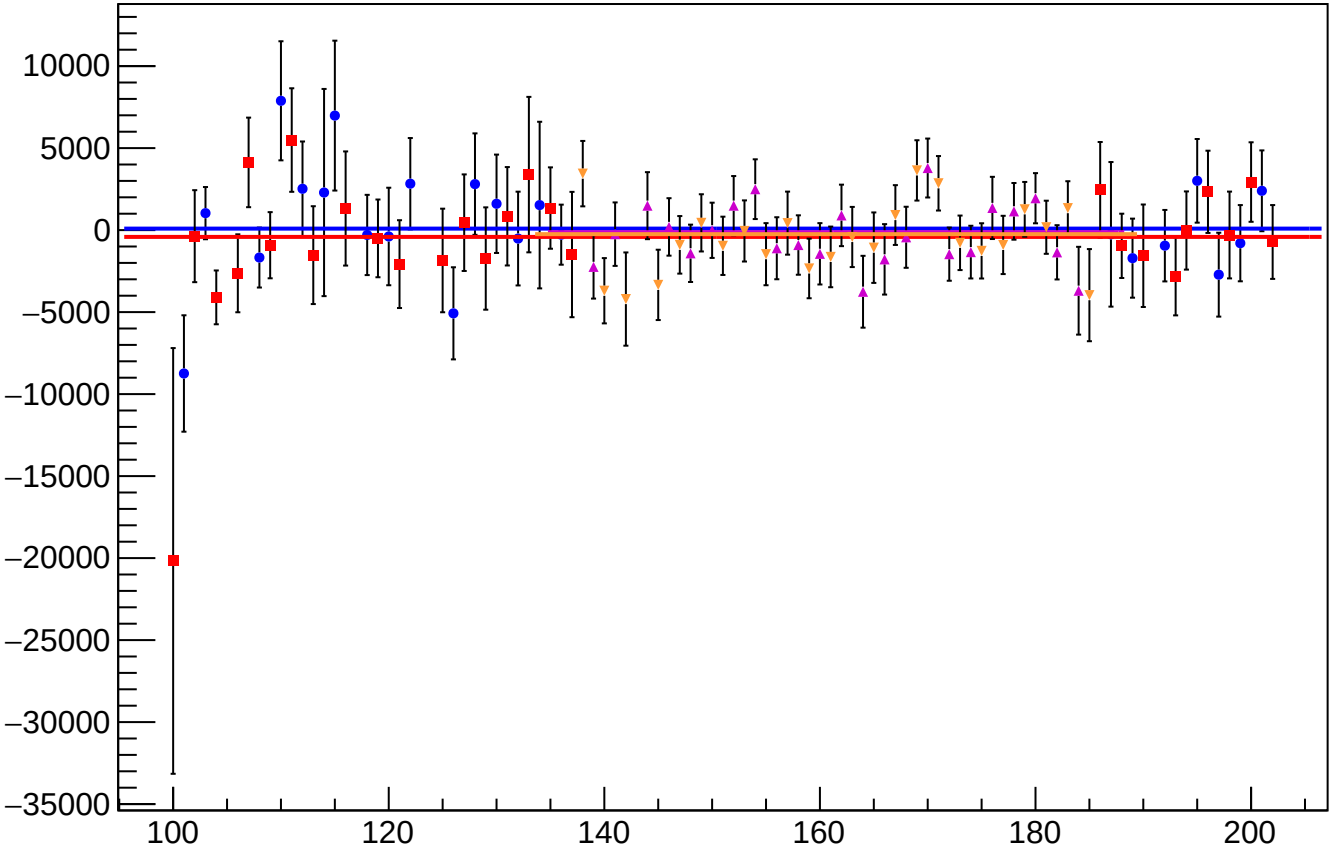
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 408.643+/-0.063 χ^2/NDF: 18483276.0/46

All: 409.535+/-0.044 χ^2/NDF: 38301449.7/96

- sign 410.396+/-0.062 χ^2/NDF: 19817778.4/49

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 91.370+/-546.880 χ^2/NDF: 25.1/22

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -414.651+/-507.596 χ^2/NDF: 22.6/26

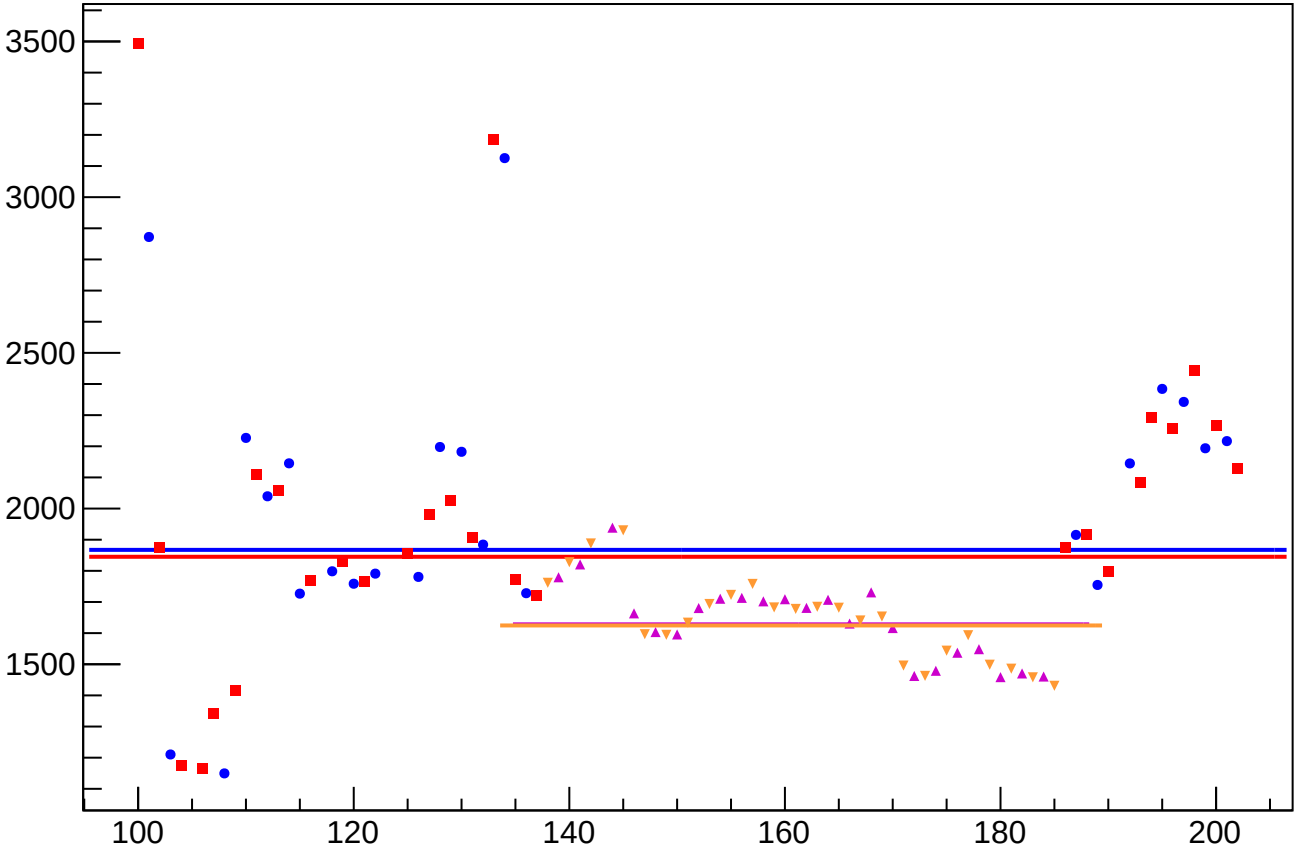
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -137.593+/-311.075 χ^2/NDF: 51.4/46

All: -184.830+/-217.736 χ^2/NDF: 95.4/96

- sign -230.200+/-304.869 χ^2/NDF: 44.0/49

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1867.358+/-0.387 χ^2/NDF: 1296127.9/22

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

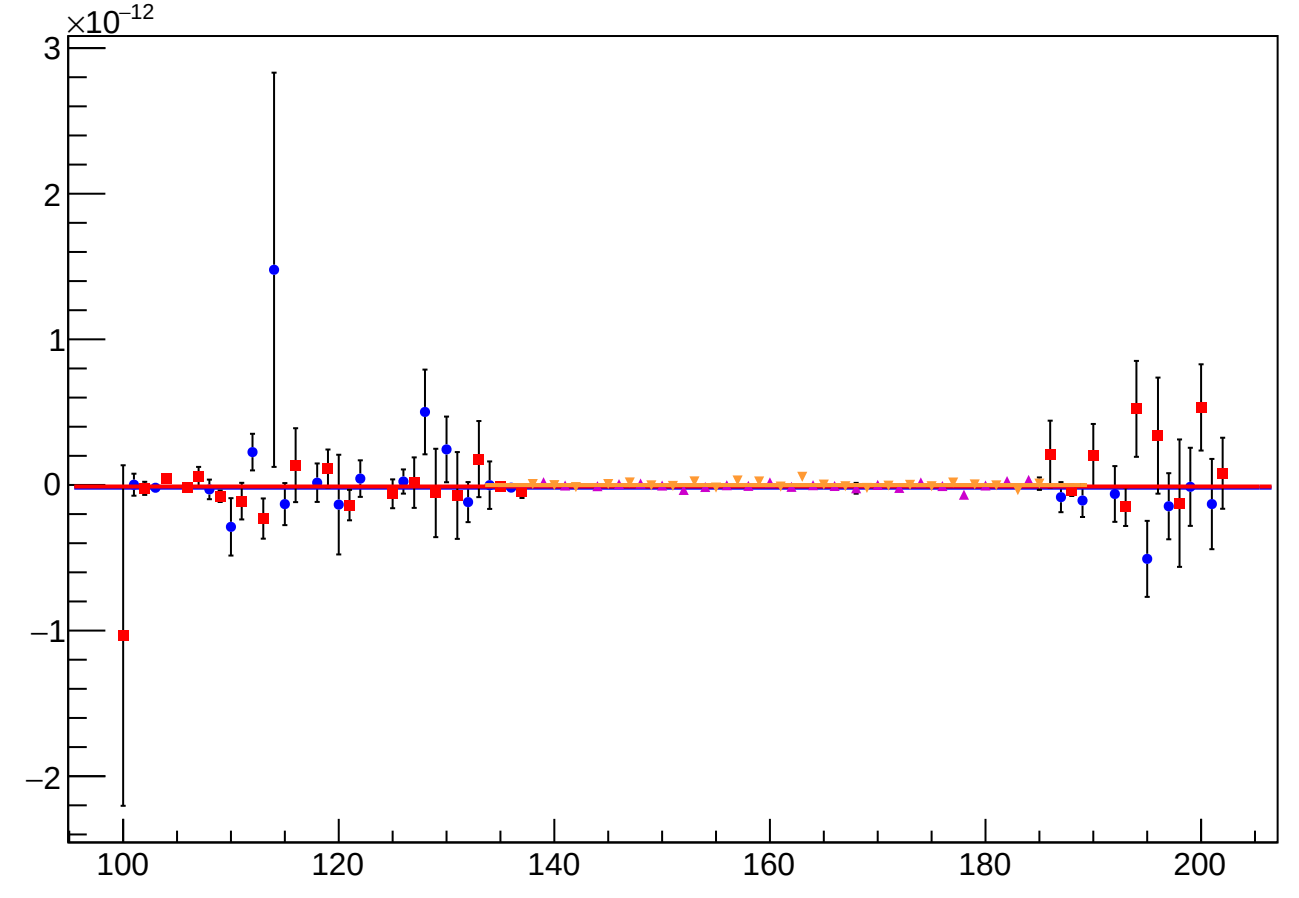
Right Out: 1845.180+/-0.359 χ^2/NDF: 1232400.6/26

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1703.155+/-0.220 χ^2/NDF: 1769933.4/46

All: 1704.854+/-0.154 χ^2/NDF: 3440908.2/96

- sign 1706.486+/-0.216 χ^2/NDF: 1670857.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

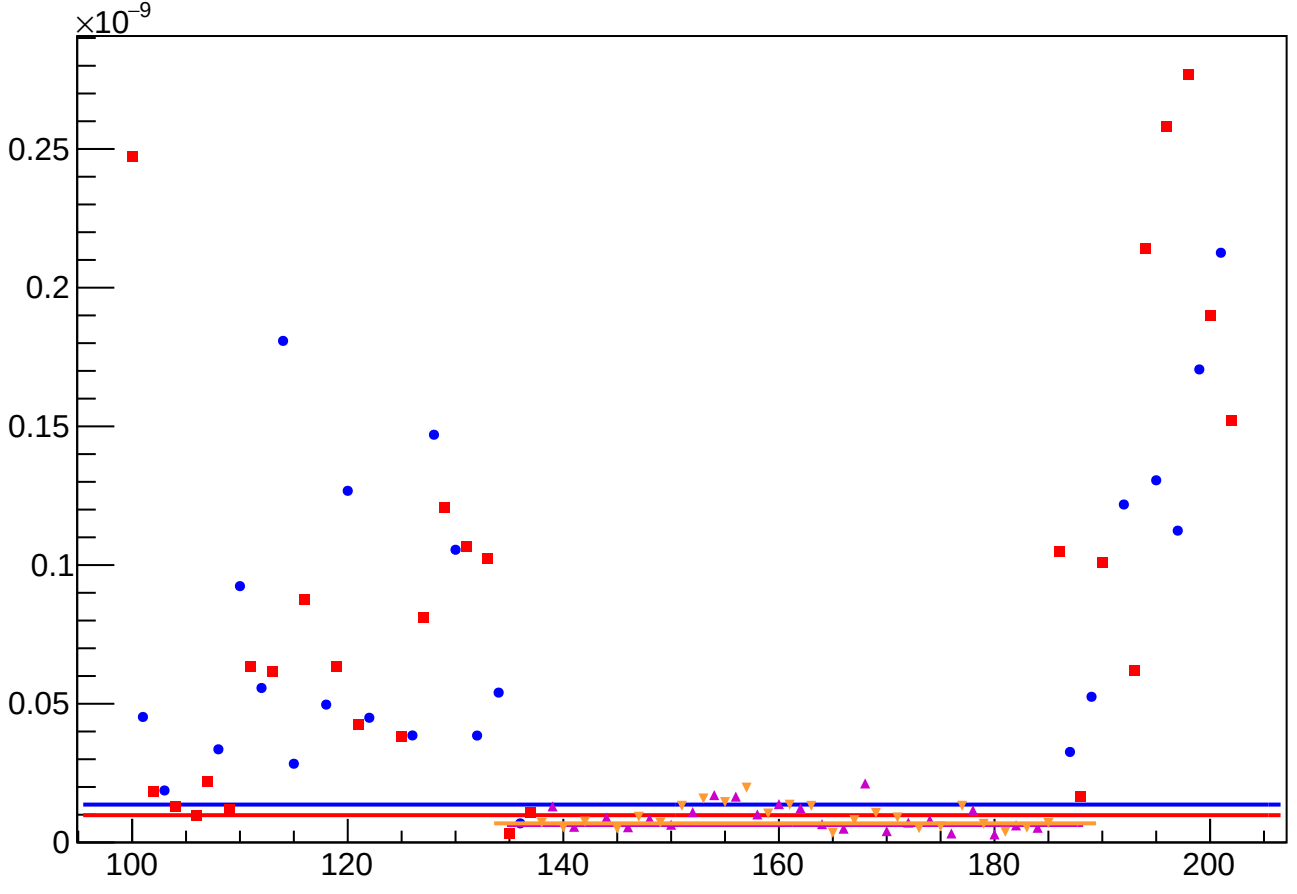
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/26

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/46

All: -0.000+/-0.000 χ^2/NDF: 96.1/96

- sign -0.000+/-0.000 χ^2/NDF: 52.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 6707807.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

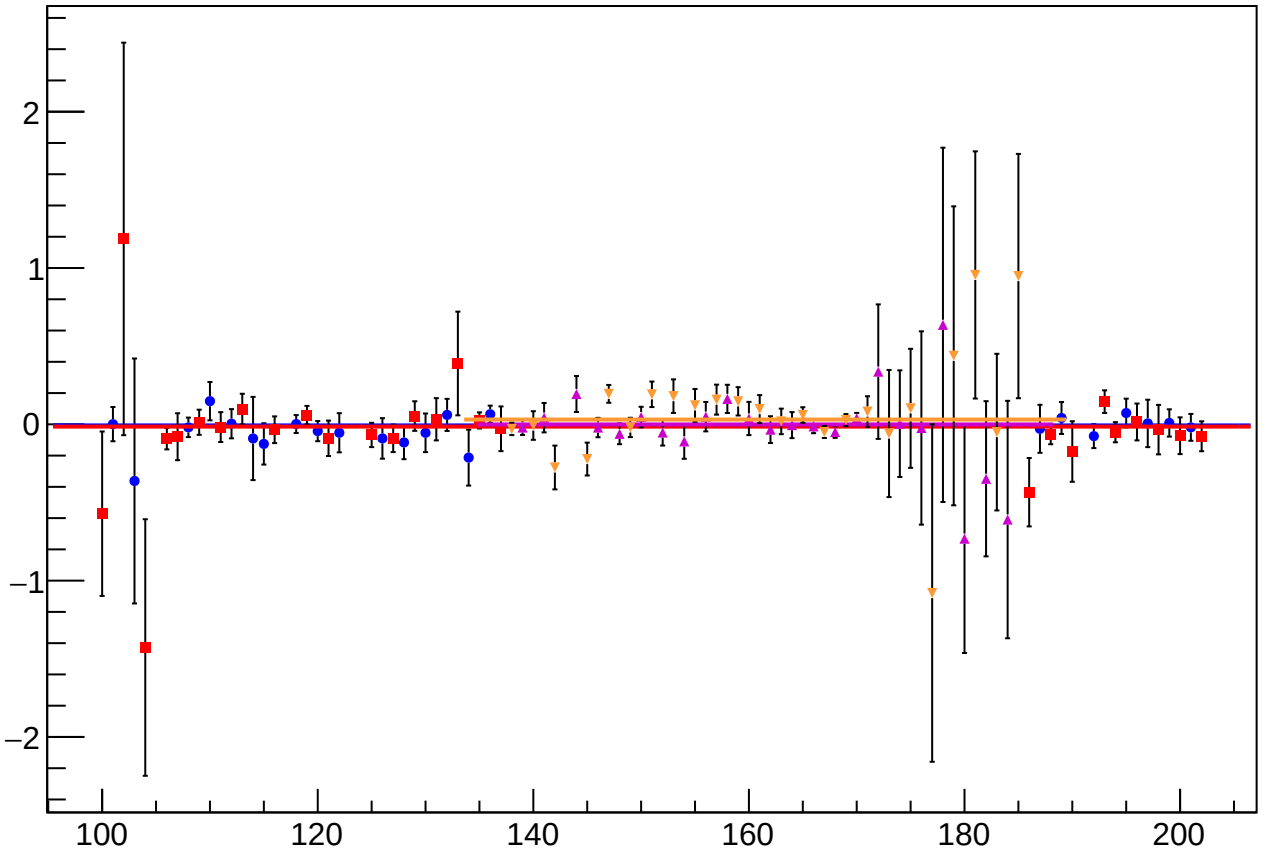
Right Out: 0.000+/-0.000 χ^2/NDF: 8362024.9/26

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9789569.8/46

All: 0.000+/-0.000 χ^2/NDF: 21441519.3/96

- sign 0.000+/-0.000 χ^2/NDF: 11570196.8/49



Right In: -0.007+/-0.020 χ^2/NDF: 10.1/22

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: -0.015+/-0.018 χ^2/NDF: 24.8/26

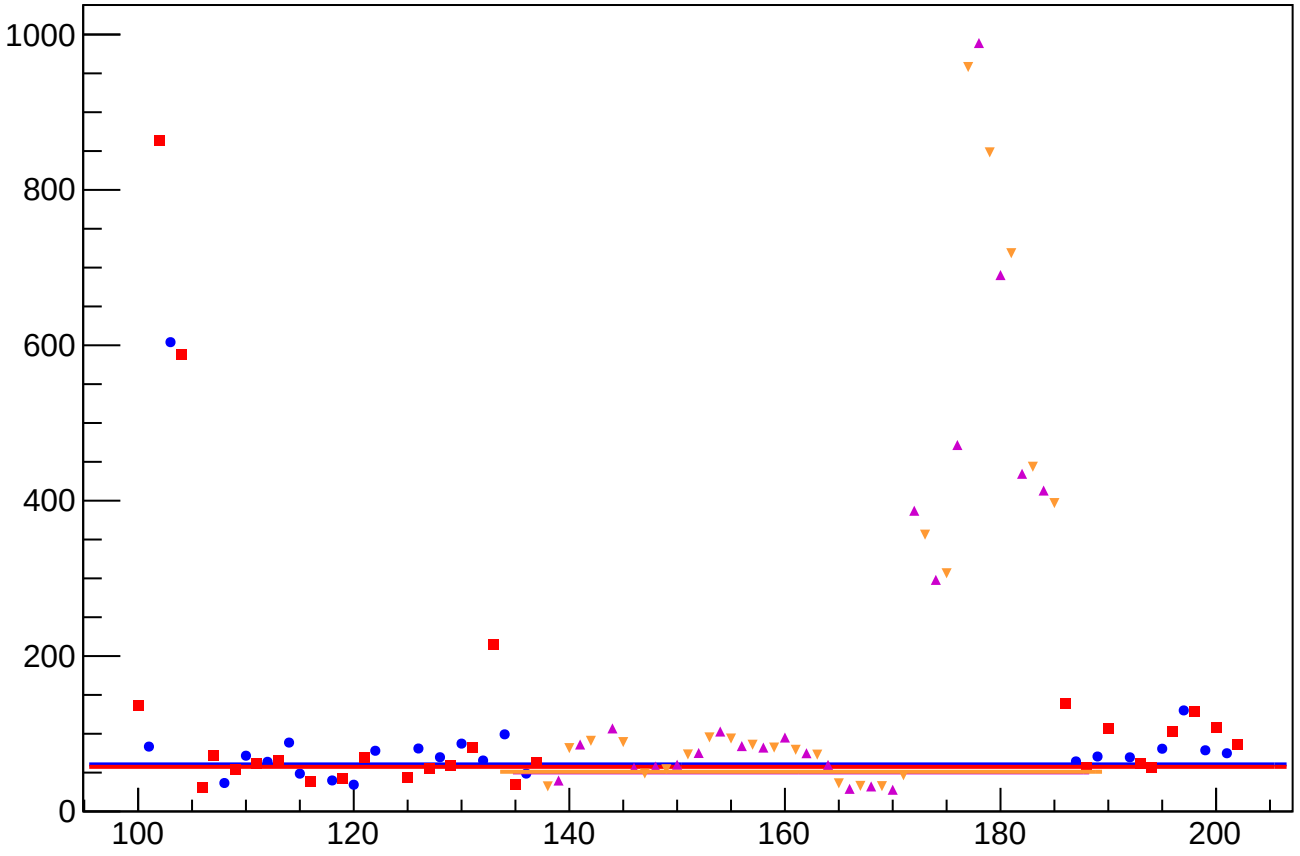
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/46

All: 0.004+/-0.008 χ^2/NDF: 97.0/96

- sign -0.007+/-0.012 χ^2/NDF: 41.2/49

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 60.568+/-0.014 χ^2/NDF: 3087909.9/22

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 57.420+/-0.013 χ^2/NDF: 4952290.0/26

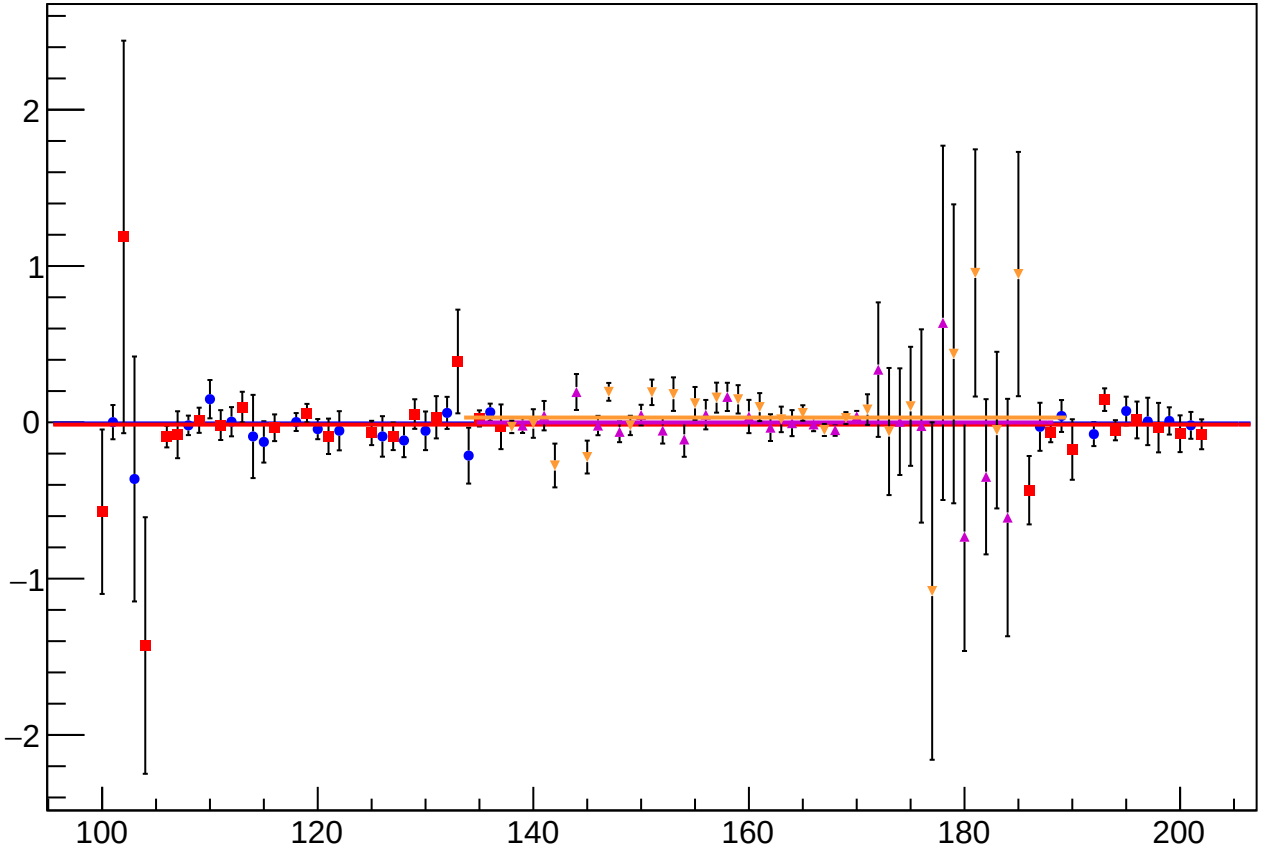
Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 54.729+/-0.009 χ^2/NDF: 15113696.6/46

All: 53.954+/-0.006 χ^2/NDF: 32461495.9/96

- sign 53.240+/-0.008 χ^2/NDF: 17332131.6/49

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.020 χ^2/NDF: 10.1/22

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

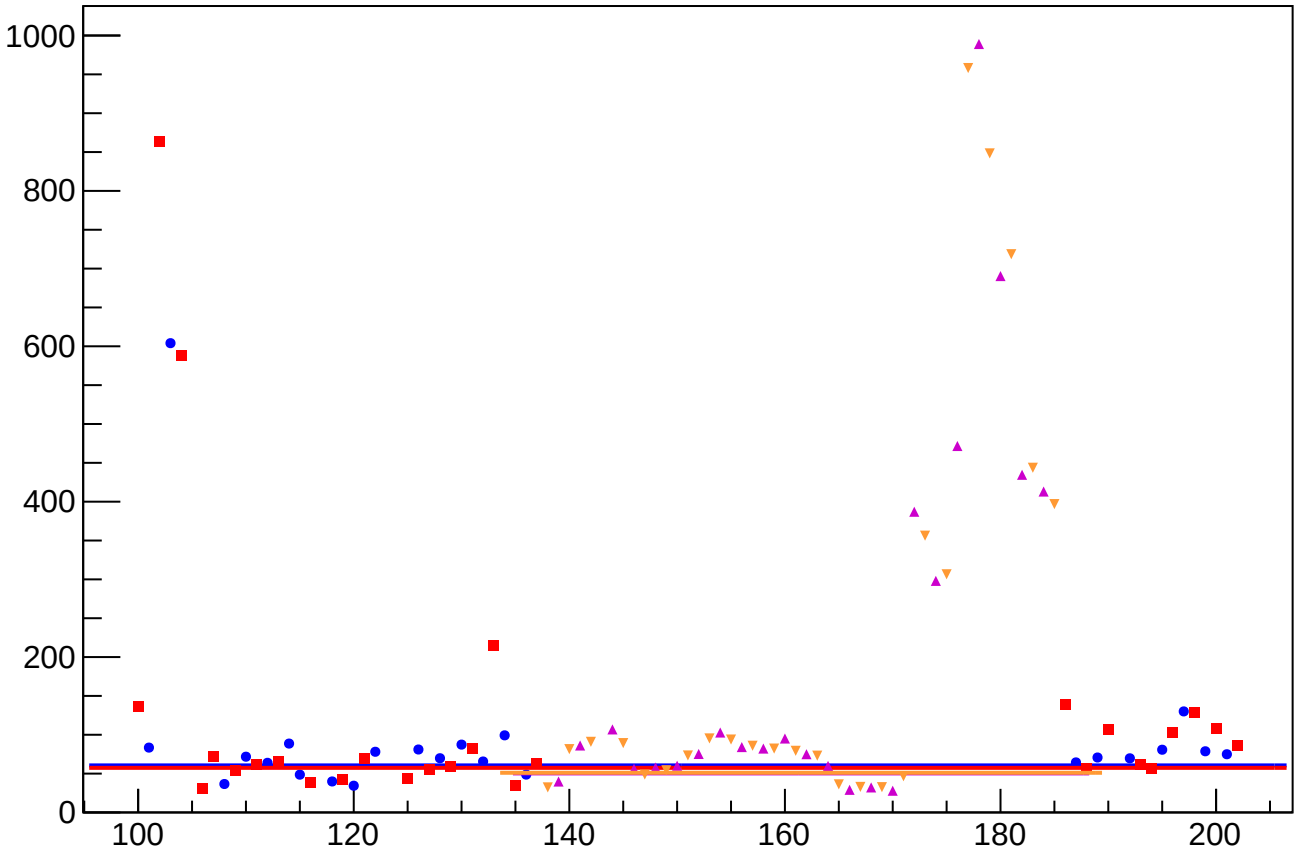
Right Out: -0.015+/-0.018 χ^2/NDF: 24.8/26

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/46

All: 0.004+/-0.008 χ^2/NDF: 97.0/96

- sign -0.007+/-0.012 χ^2/NDF: 41.2/49



Right In: 60.568+/-0.014 χ^2/NDF: 3087909.9/22

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

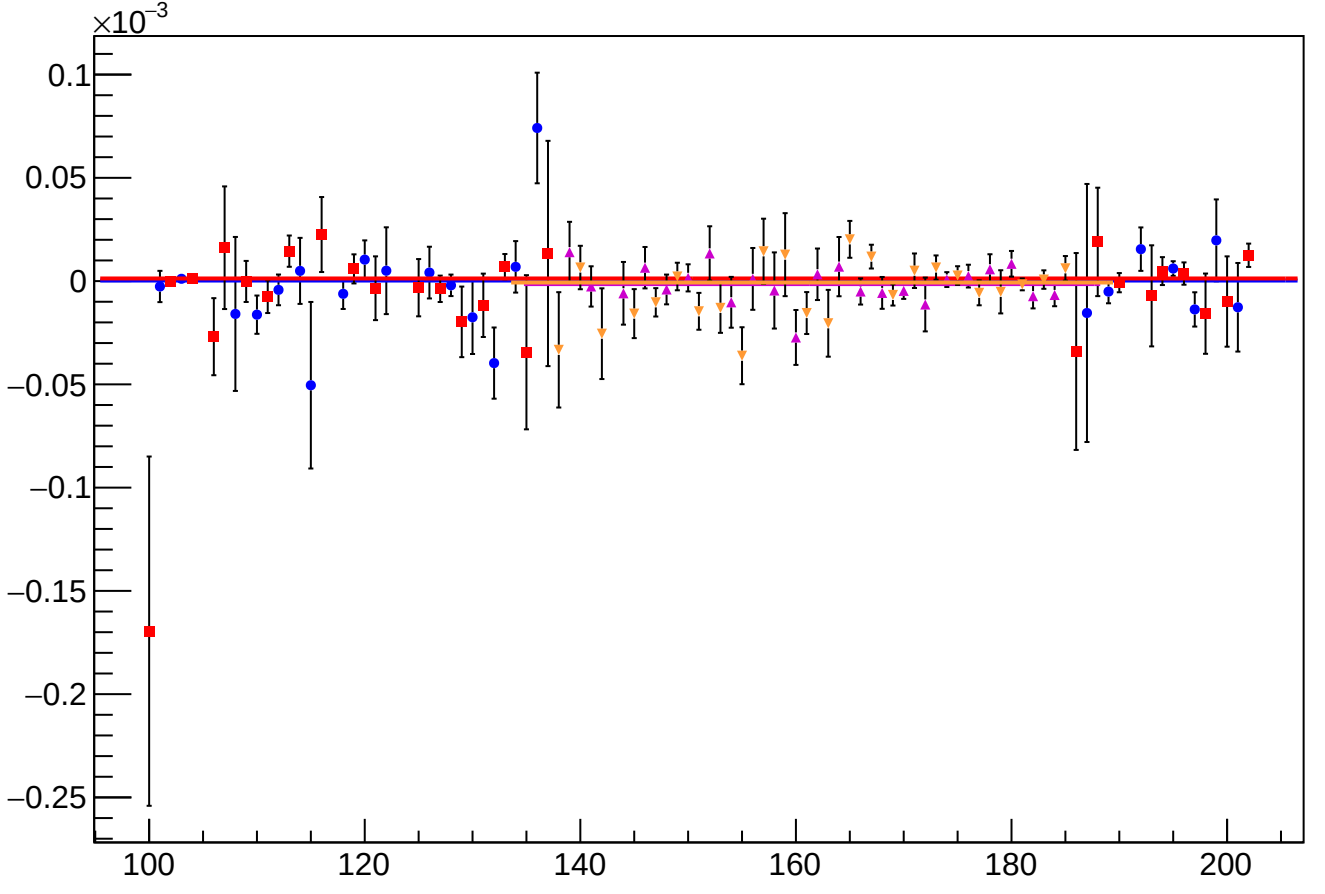
Right Out: 57.420+/-0.013 χ^2/NDF: 4952290.0/26

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 54.729+/-0.009 χ^2/NDF: 15113696.6/46

All: 53.954+/-0.006 χ^2/NDF: 32461495.9/96

- sign 53.240+/-0.008 χ^2/NDF: 17332131.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

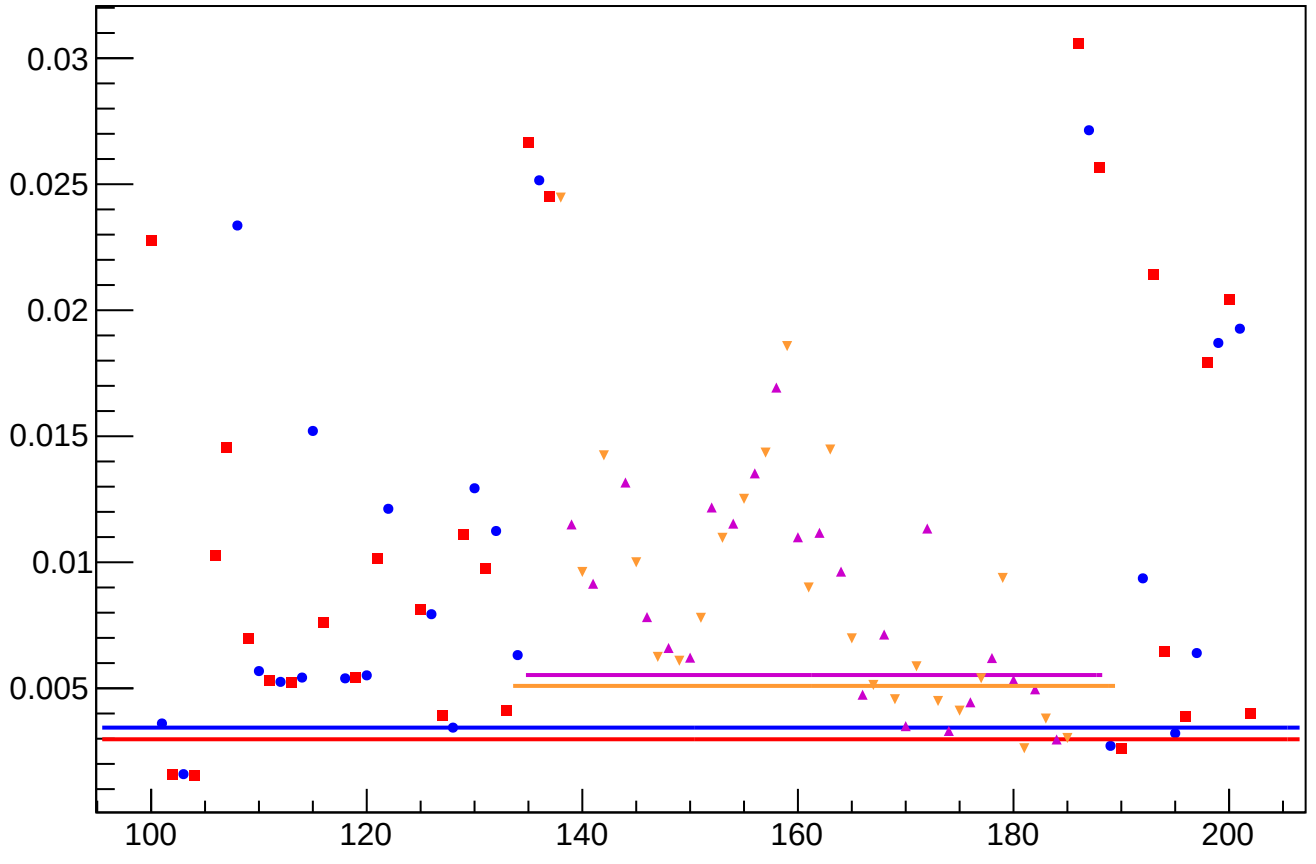
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/26

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.9/46

All: 0.000+/-0.000 χ^2/NDF: 114.3/96

- sign 0.000+/-0.000 χ^2/NDF: 43.3/49



Right In: 0.003+/-0.000 χ^2/NDF: 9366790.2/22

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

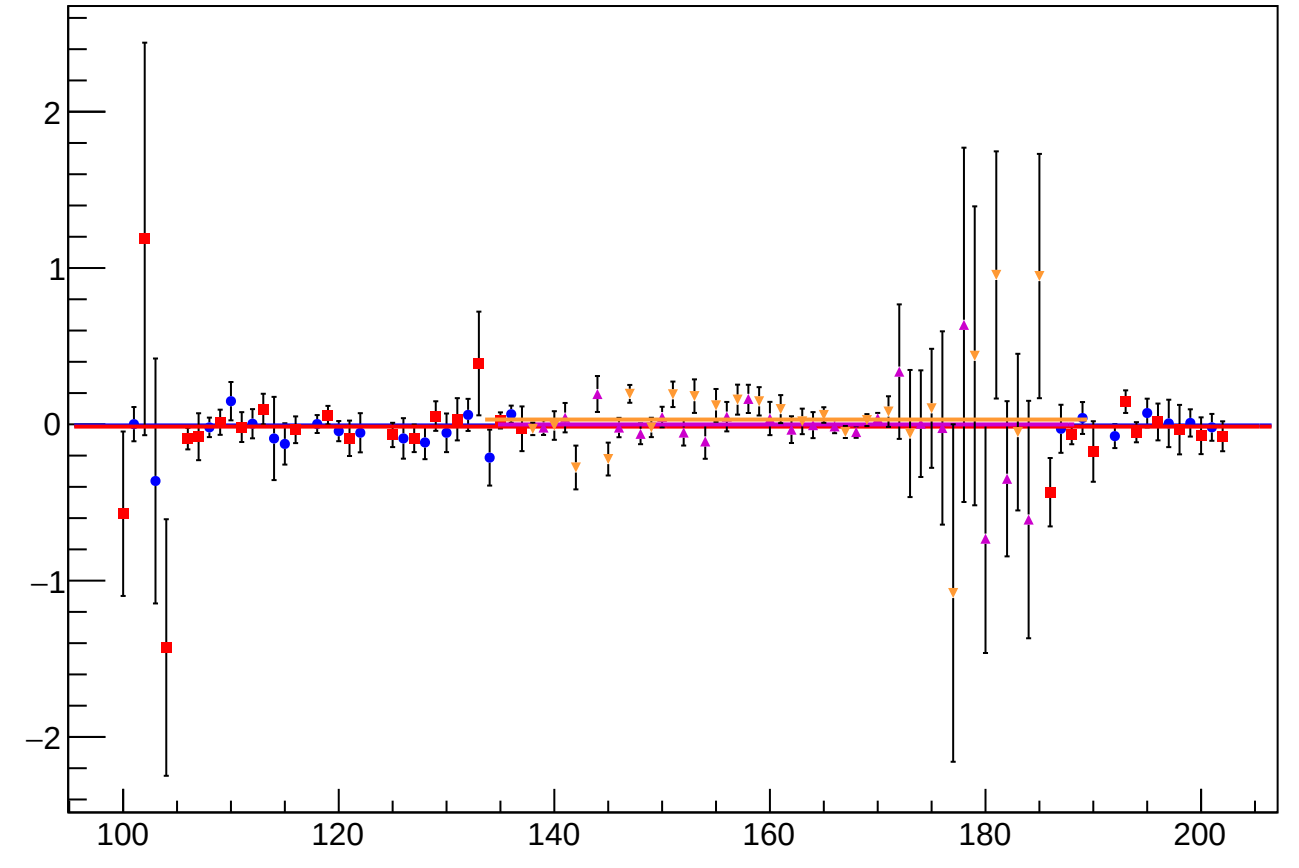
Right Out: 0.003+/-0.000 χ^2/NDF: 12900677.0/26

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 19167396.4/46

All: 0.004+/-0.000 χ^2/NDF: 42722239.2/96

- sign 0.004+/-0.000 χ^2/NDF: 23413861.9/49



Right In: -0.007+/-0.020 χ^2/NDF: 10.1/22

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

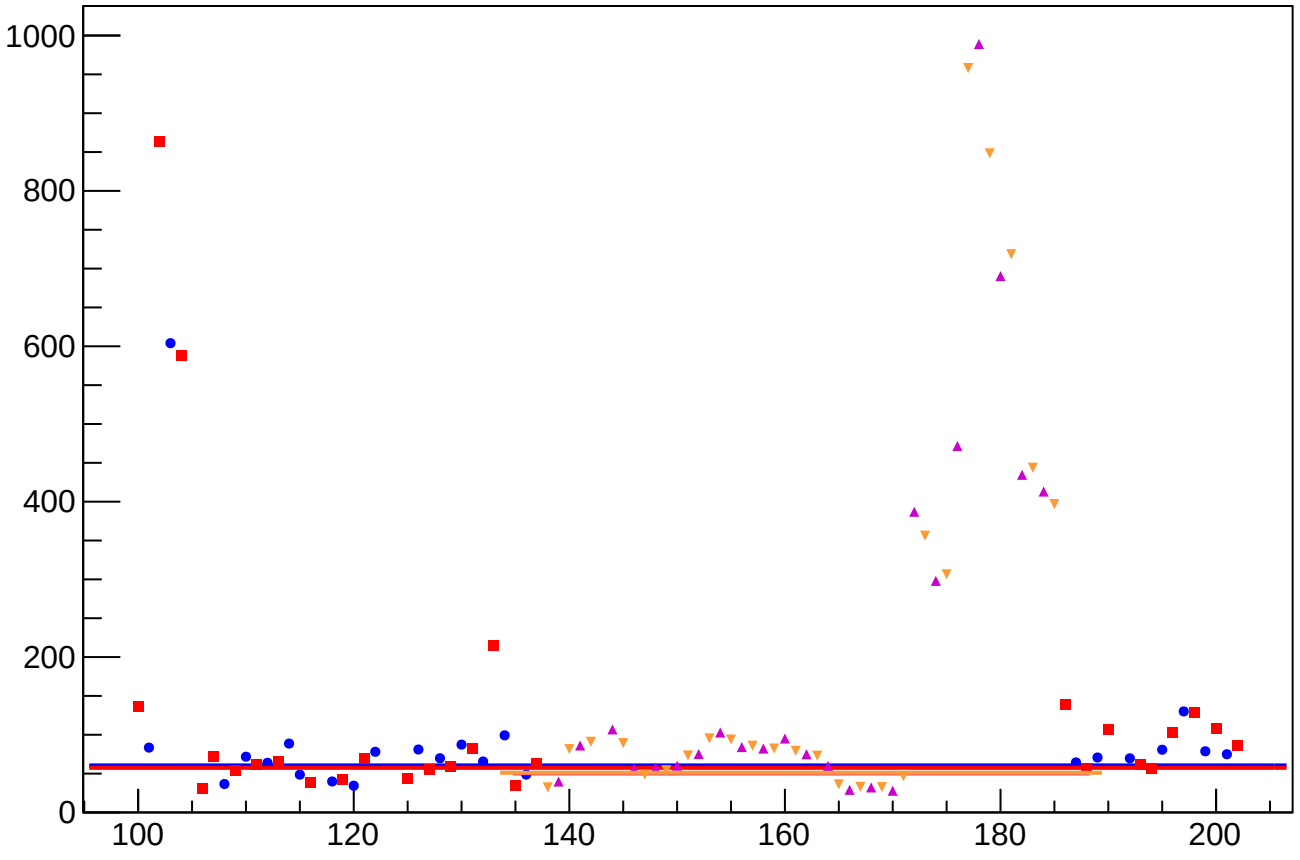
Right Out: -0.015+/-0.018 χ^2/NDF: 24.8/26

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/46

All: 0.004+/-0.008 χ^2/NDF: 97.0/96

- sign -0.006+/-0.012 χ^2/NDF: 41.2/49



Right In: 60.570+/-0.014 χ^2/NDF: 3087324.6/22

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

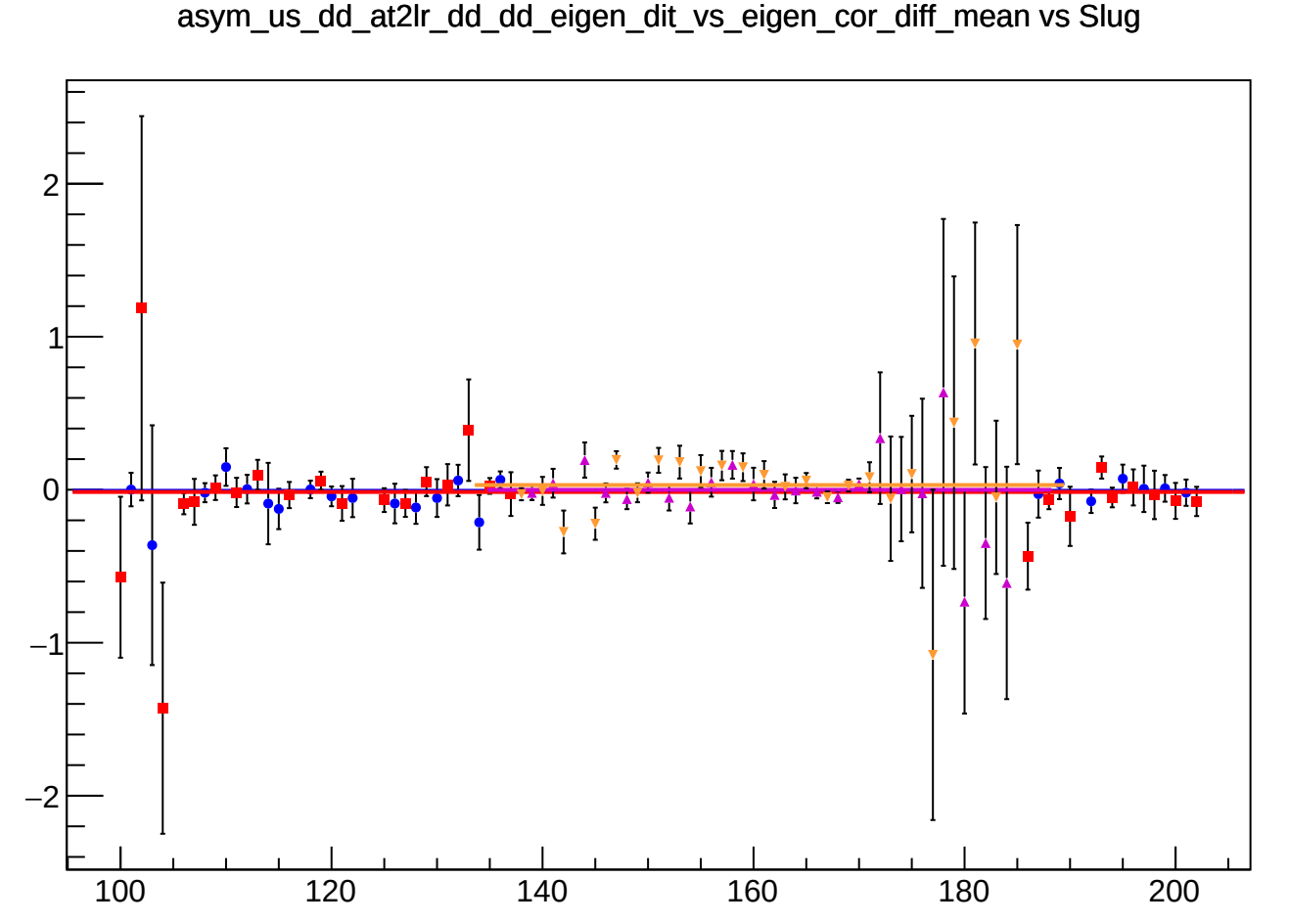
Right Out: 57.422+/-0.013 χ^2/NDF: 4951980.4/26

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 54.732+/-0.009 χ^2/NDF: 15112290.4/46

All: 53.956+/-0.006 χ^2/NDF: 32459852.5/96

\- sign 53.241+/-0.008 χ^2/NDF: 17331856.7/49



Right In: -0.007+/-0.020 χ^2/NDF: 10.1/22

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

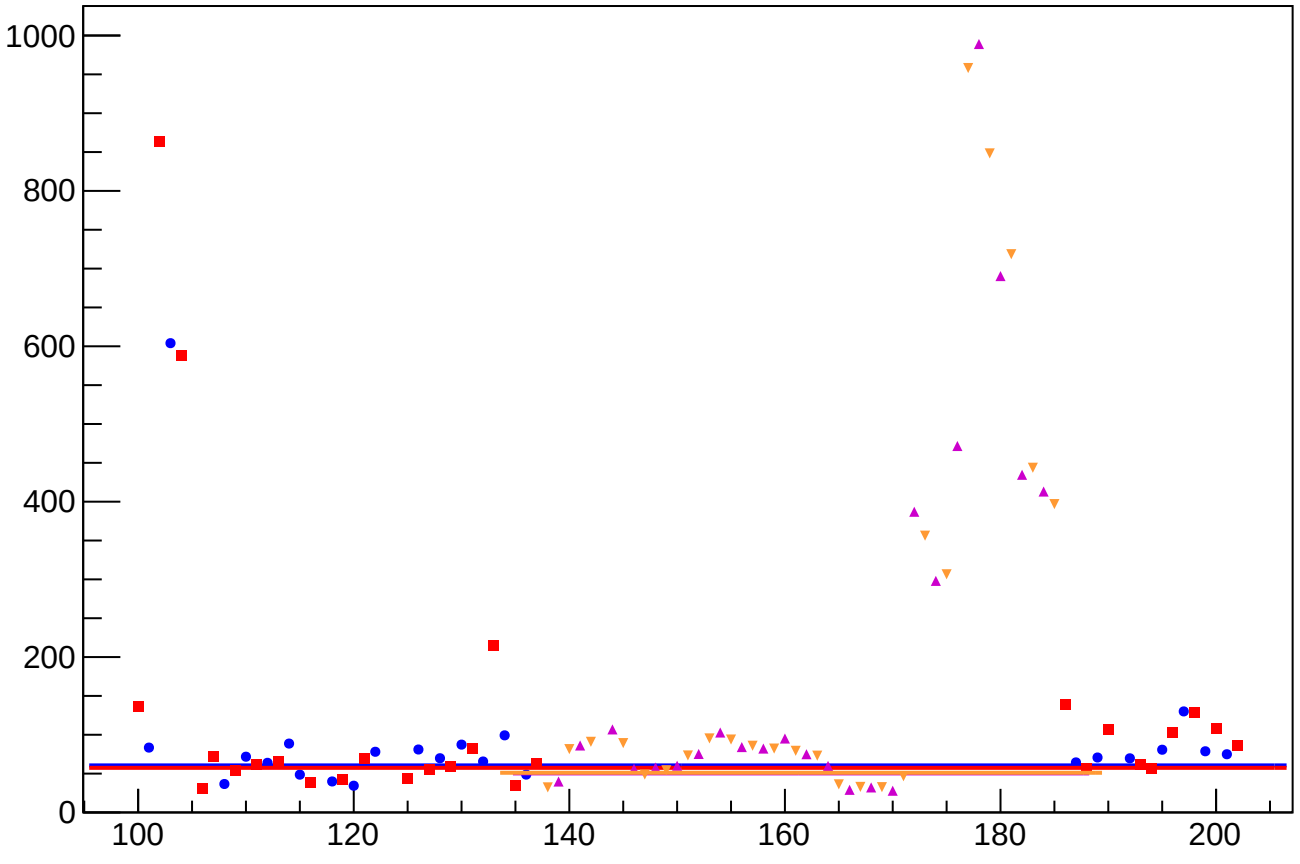
Right Out: -0.015+/-0.018 χ^2/NDF: 24.8/26

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/46

All: 0.004+/-0.008 χ^2/NDF: 97.0/96

- sign -0.006+/-0.012 χ^2/NDF: 41.2/49



Right In: 60.570+/-0.014 χ^2/NDF: 3087324.6/22

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

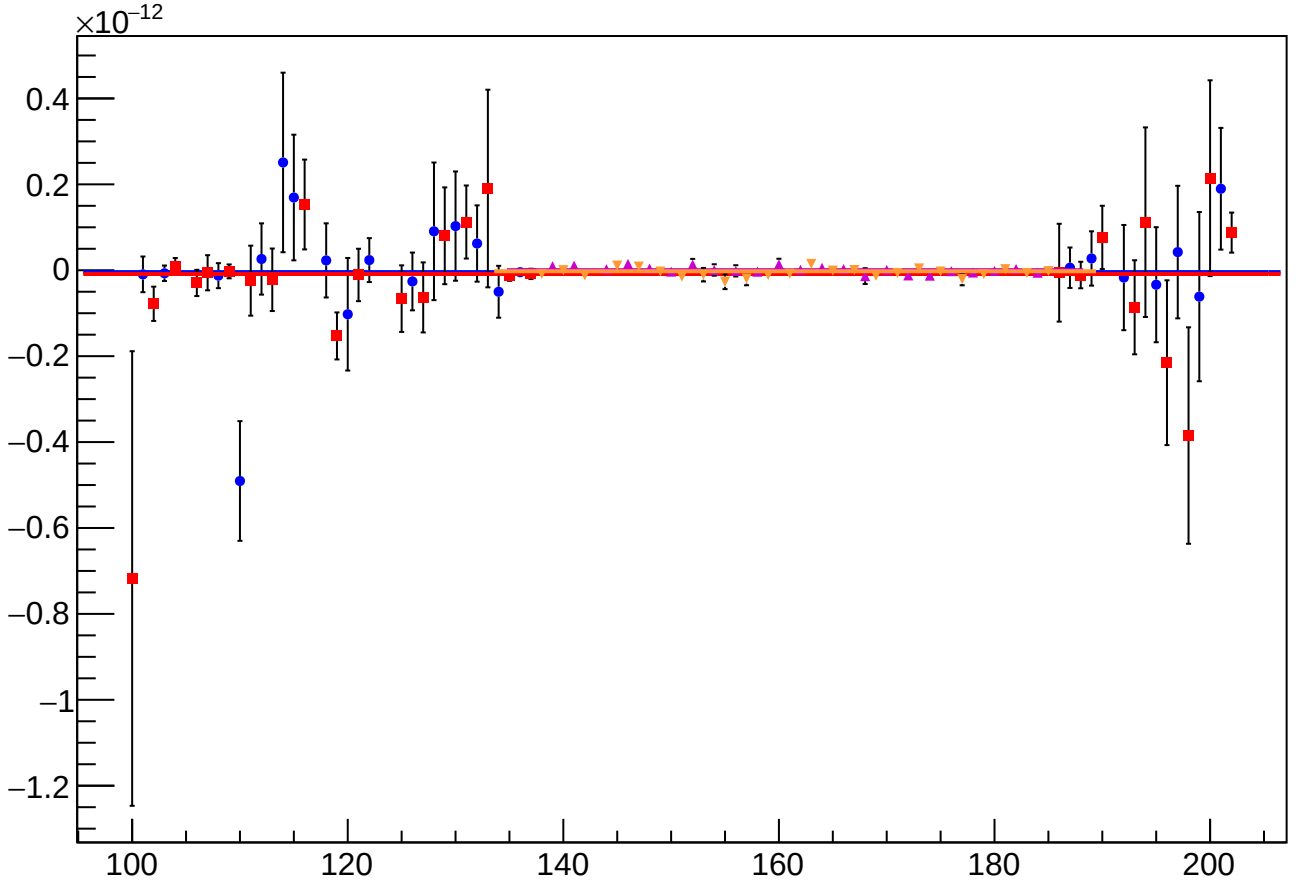
Right Out: 57.422+/-0.013 χ^2/NDF: 4951980.4/26

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 54.732+/-0.009 χ^2/NDF: 15112290.4/46

All: 53.956+/-0.006 χ^2/NDF: 32459852.5/96

\- sign 53.241+/-0.008 χ^2/NDF: 17331856.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

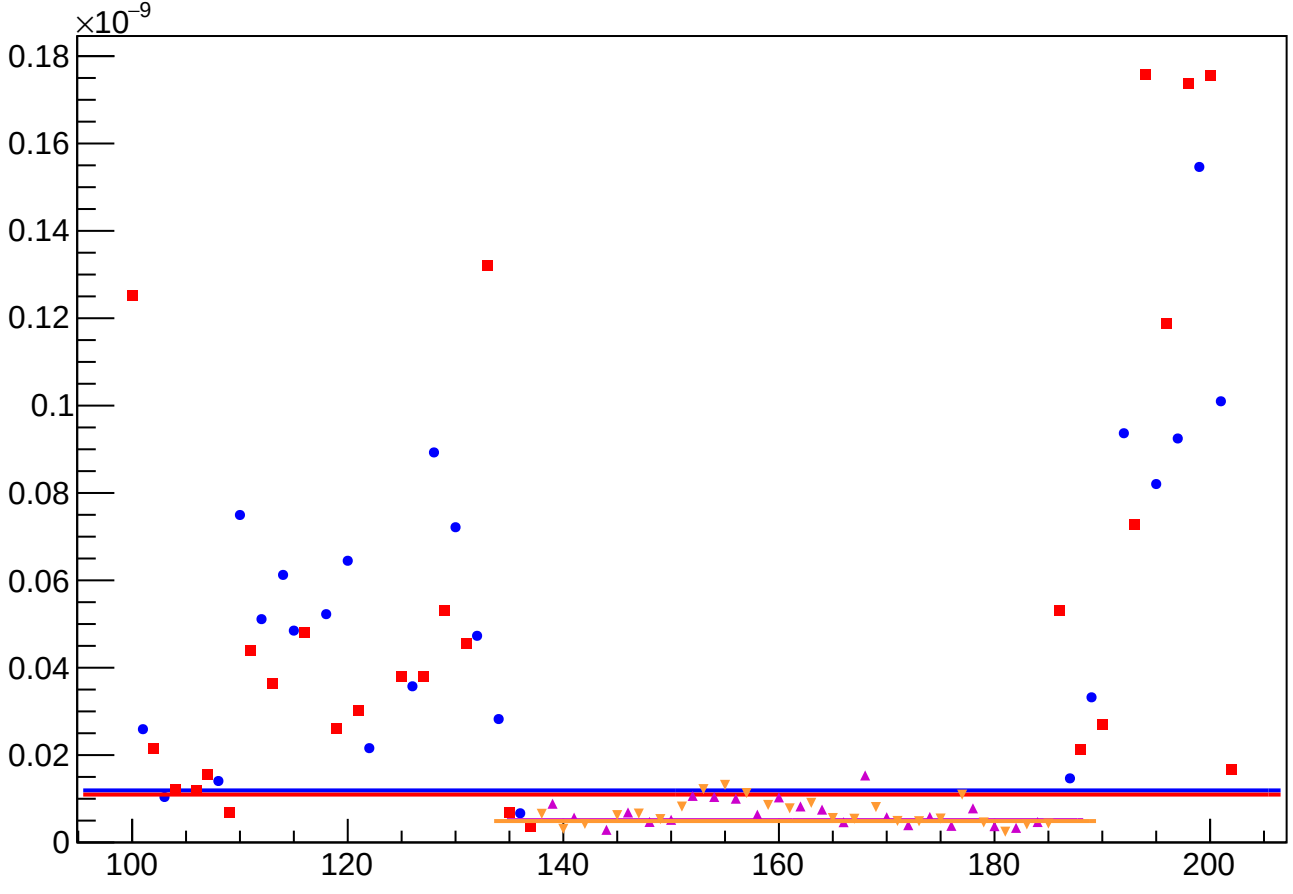
Right Out: -0.000+/-0.000 χ^2/NDF: 30.9/26

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.3/46

All: -0.000+/-0.000 χ^2/NDF: 95.4/96

- sign -0.000+/-0.000 χ^2/NDF: 51.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 8687011.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9024953.6/26

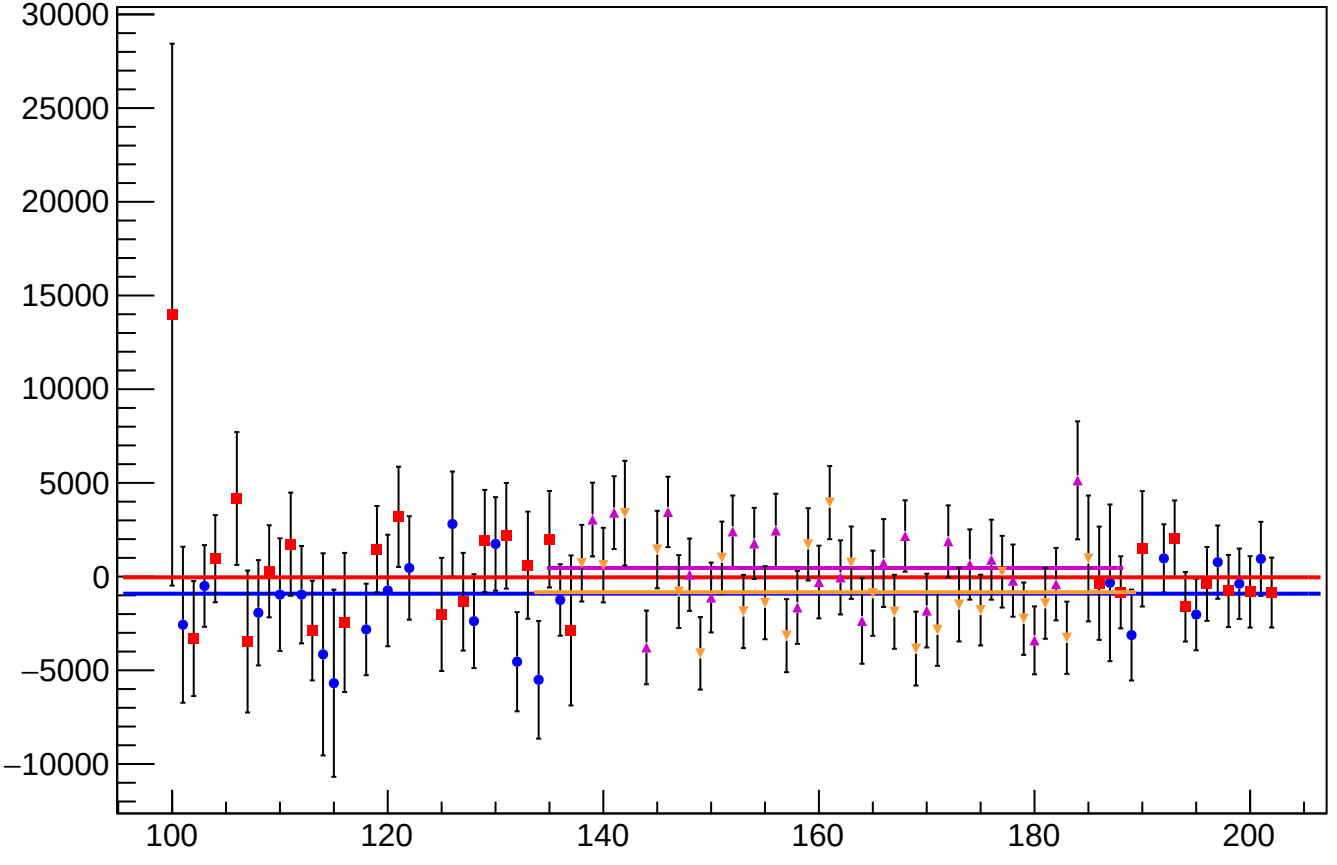
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15091180.9/46

All: 0.000+/-0.000 χ^2/NDF: 29585019.3/96

- sign 0.000+/-0.000 χ^2/NDF: 14472757.6/49

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -910.703+/-518.991 χ^2/NDF: 13.7/22

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -38.222+/-485.302 χ^2/NDF: 14.0/26

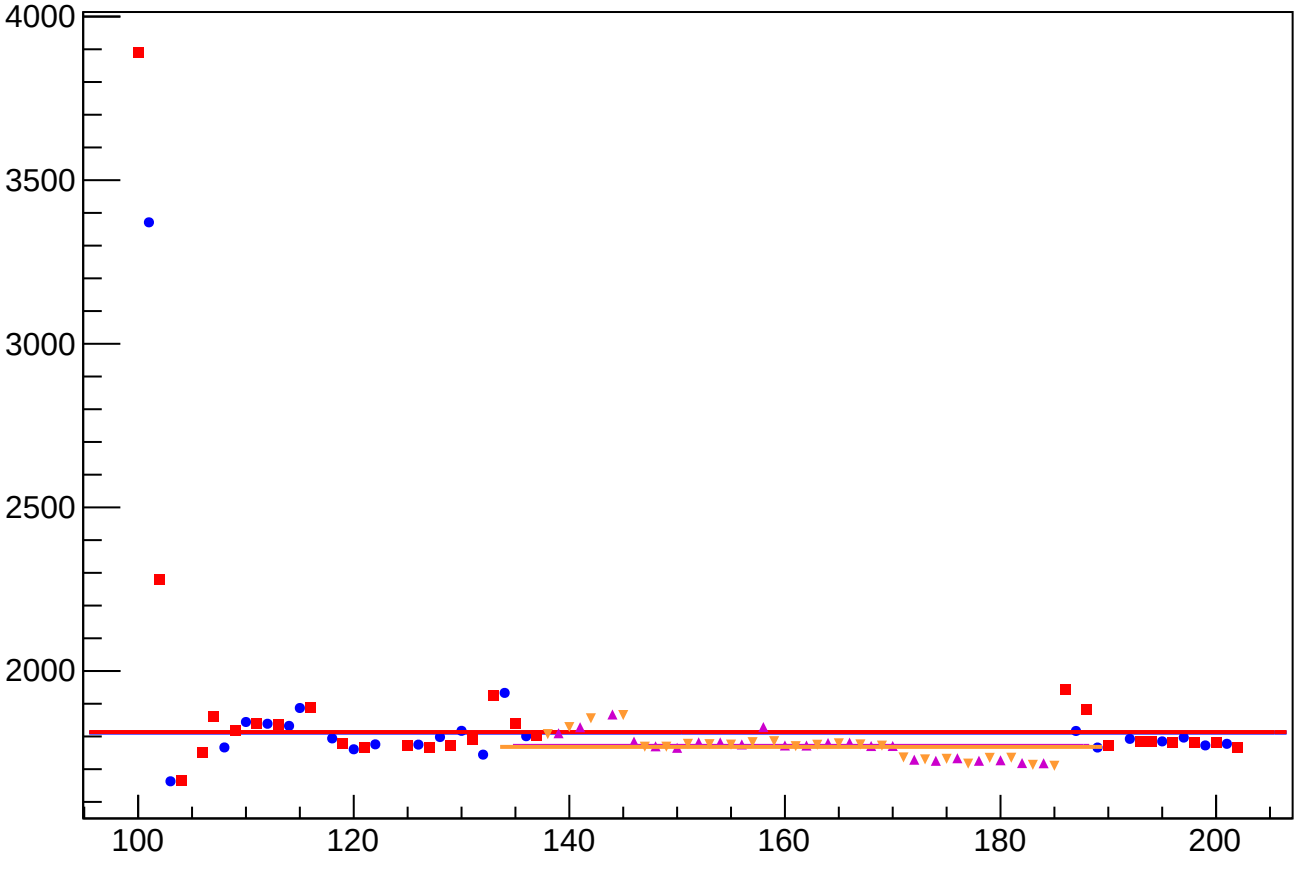
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -862.642+/-321.937 χ^2/NDF: 39.2/46

All: -293.797+/-225.080 χ^2/NDF: 87.2/96

- sign 250.122+/-314.804 χ^2/NDF: 41.9/49

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1811.805+/-0.367 χ^2/NDF: 300246.0/22

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

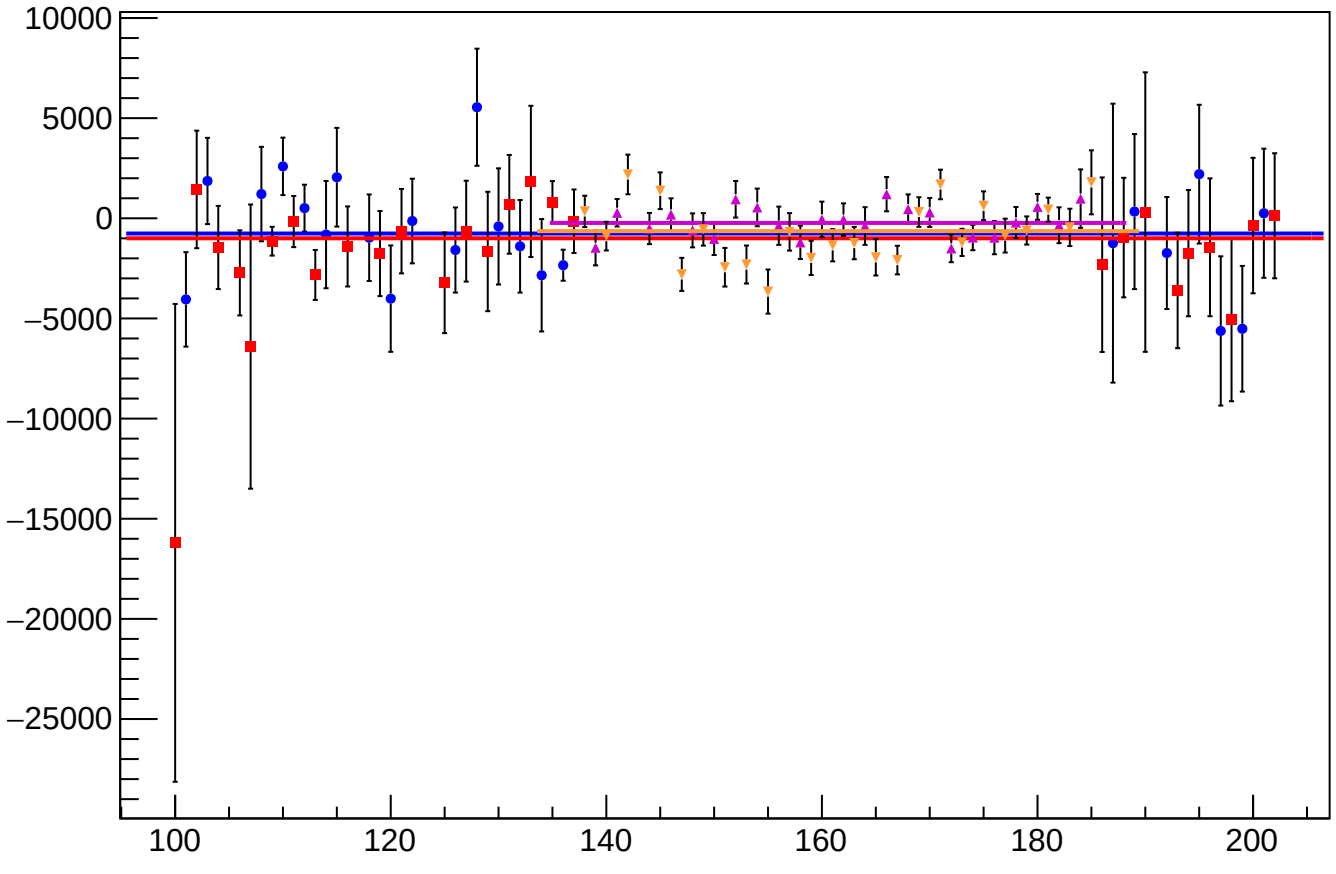
Right Out: 1813.529+/-0.343 χ^2/NDF: 114281.7/26

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.933+/-0.228 χ^2/NDF: 325319.7/46

All: 1787.023+/-0.159 χ^2/NDF: 464997.8/96

- sign 1789.021+/-0.223 χ^2/NDF: 139513.3/49



Right In: -759.533+/-419.449 χ^2/NDF: 28.3/22

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: -998.362+/-372.618 χ^2/NDF: 13.8/26

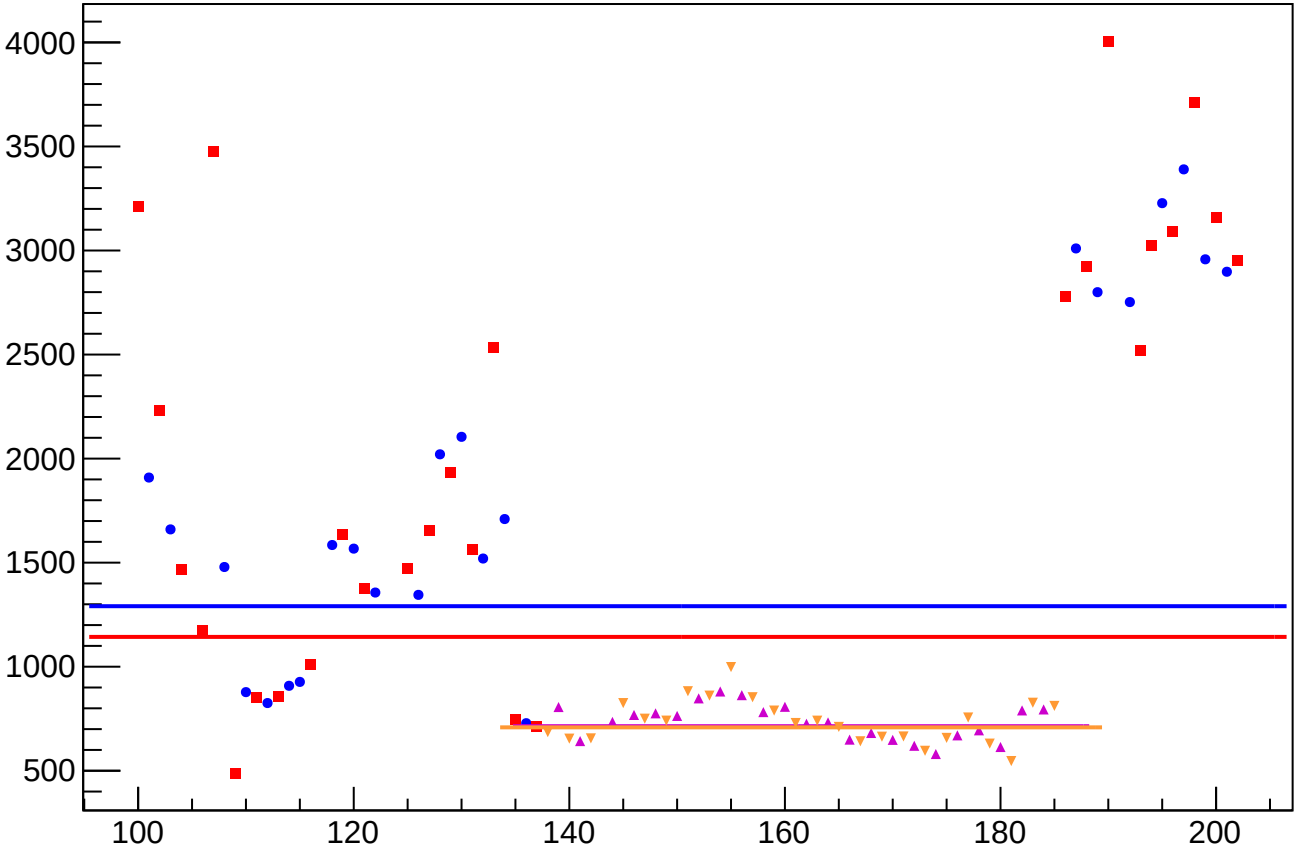
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -657.151+/-154.713 χ^2/NDF: 95.1/46

All: -507.686+/-108.930 χ^2/NDF: 134.2/96

- sign -360.757+/-153.395 χ^2/NDF: 37.2/49

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1290.752+/-0.297 χ^2/NDF: 5531498.6/22

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1143.186+/-0.263 χ^2/NDF: 8962581.4/26

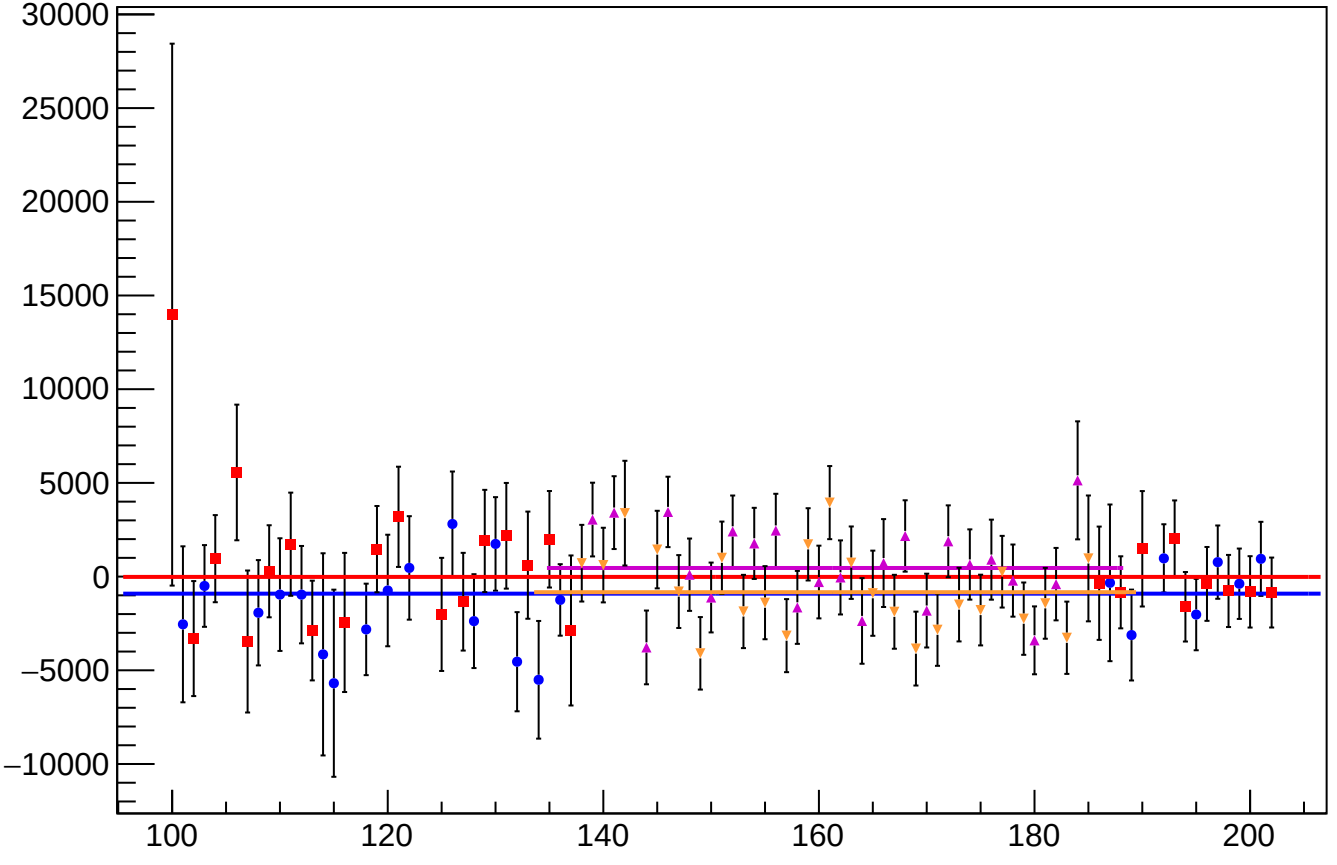
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 787.717+/-0.109 χ^2/NDF: 9561473.4/46

All: 787.289+/-0.077 χ^2/NDF: 21223338.9/96

- sign 786.869+/-0.108 χ^2/NDF: 11661835.2/49

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -910.379+/-518.991 χ^2/NDF: 13.7/22

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -16.530+/-485.487 χ^2/NDF: 15.0/26

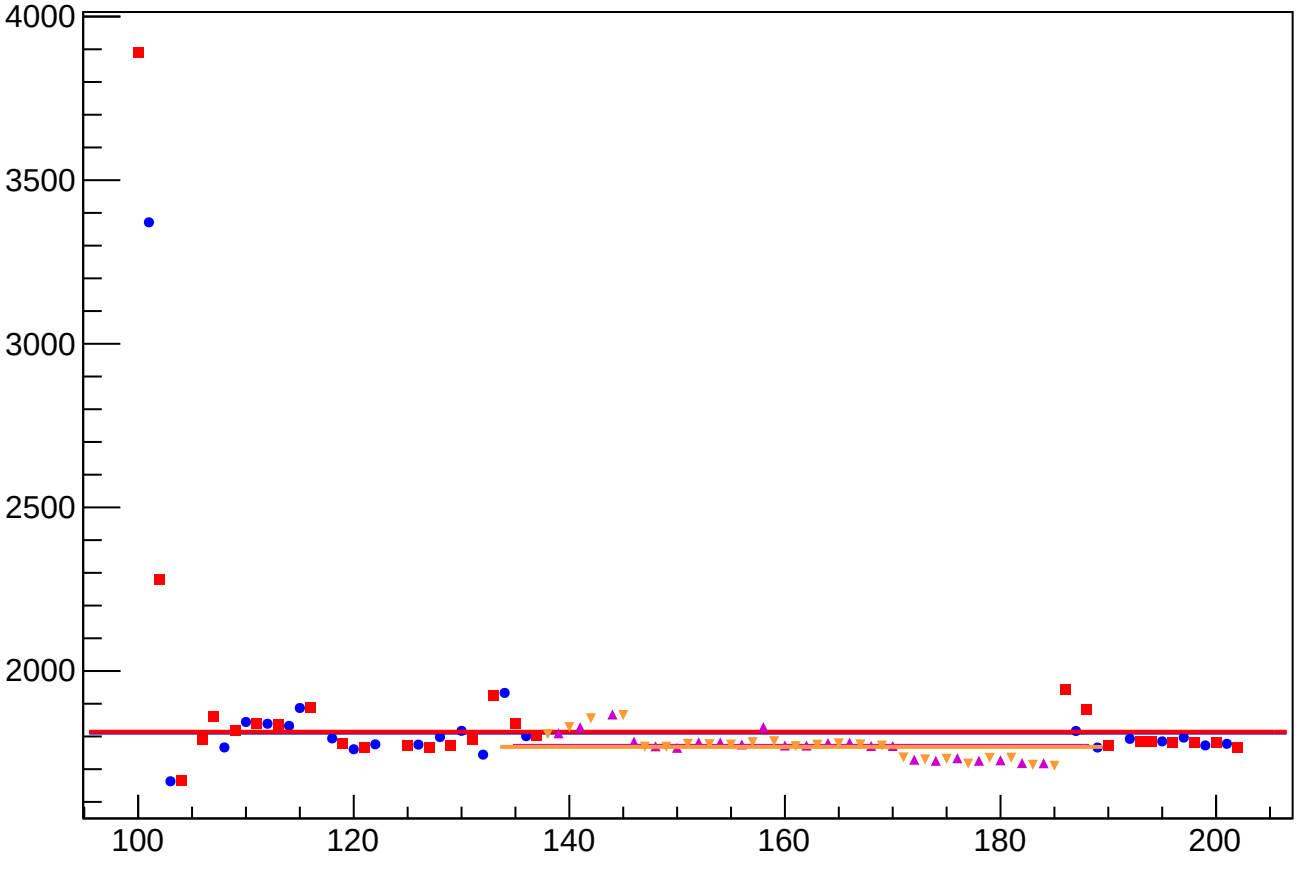
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -862.452+/-321.937 χ^2/NDF: 39.2/46

All: -289.095+/-225.098 χ^2/NDF: 88.2/96

- sign 259.315+/-314.855 χ^2/NDF: 42.8/49

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1811.805+/-0.367 χ^2/NDF: 300247.8/22

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

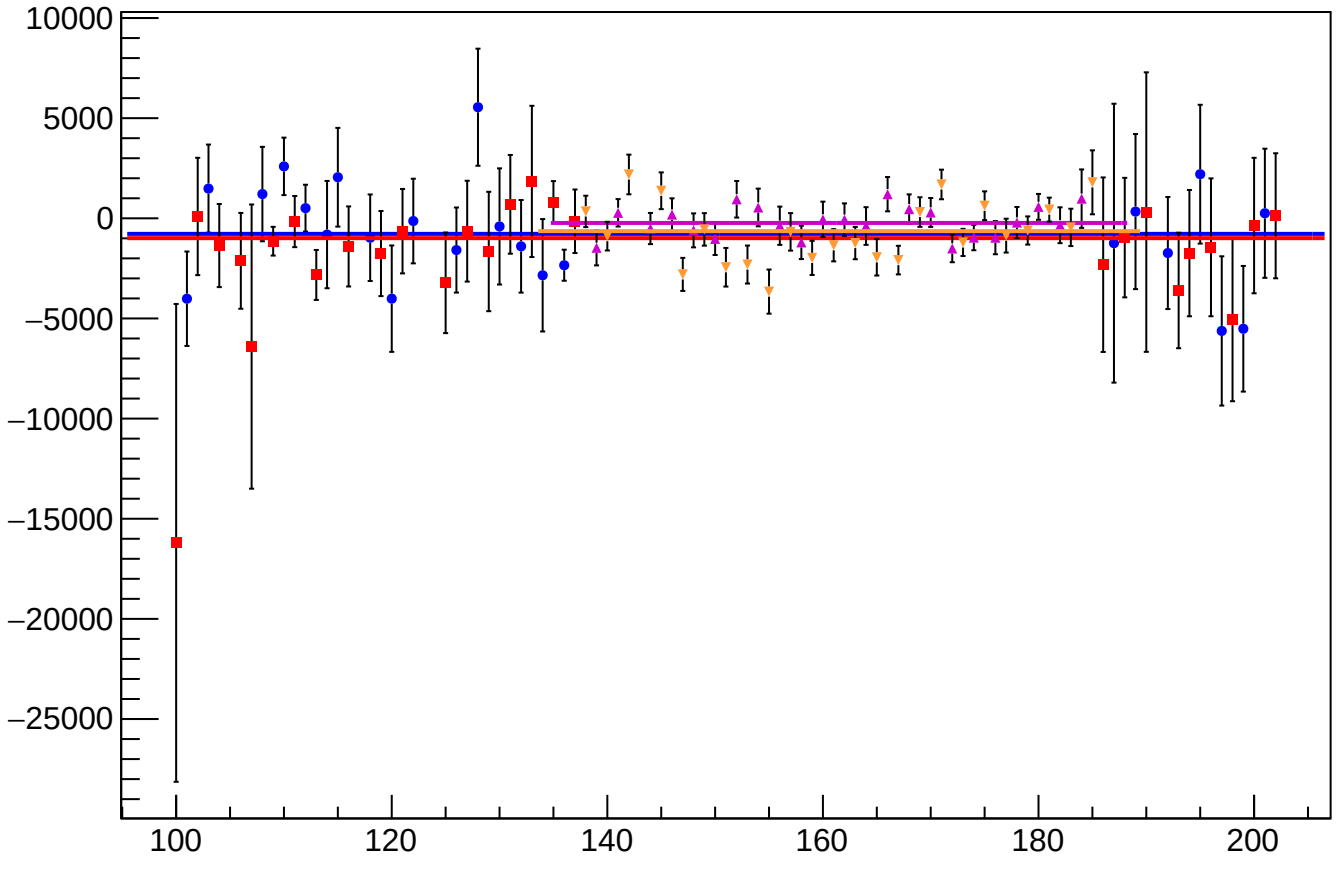
Right Out: 1814.313+/-0.343 χ^2/NDF: 113720.6/26

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.933+/-0.228 χ^2/NDF: 325321.5/46

All: 1787.187+/-0.159 χ^2/NDF: 464790.6/96

- sign 1789.343+/-0.223 χ^2/NDF: 139277.3/49



Right In: -776.440+/-419.765 χ^2/NDF: 27.8/22

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -990.976+/-373.801 χ^2/NDF: 12.8/26

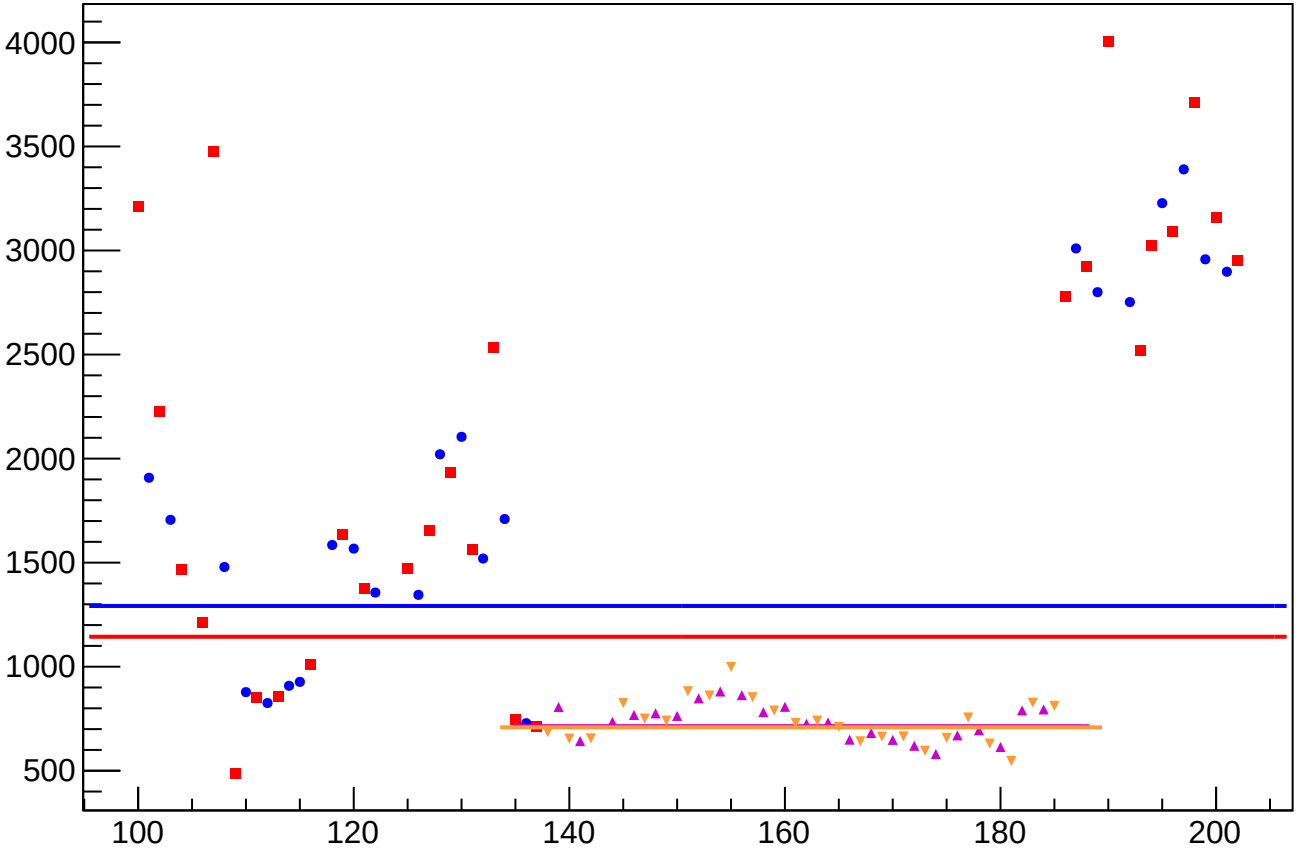
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -659.406+/-154.730 χ^2/NDF: 94.6/46

All: -507.864+/-108.965 χ^2/NDF: 132.6/96

- sign -358.763+/-153.478 χ^2/NDF: 36.1/49

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1291.862+/-0.297 χ^2/NDF: 5543672.0/22

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1143.893+/-0.264 χ^2/NDF: 8962687.8/26

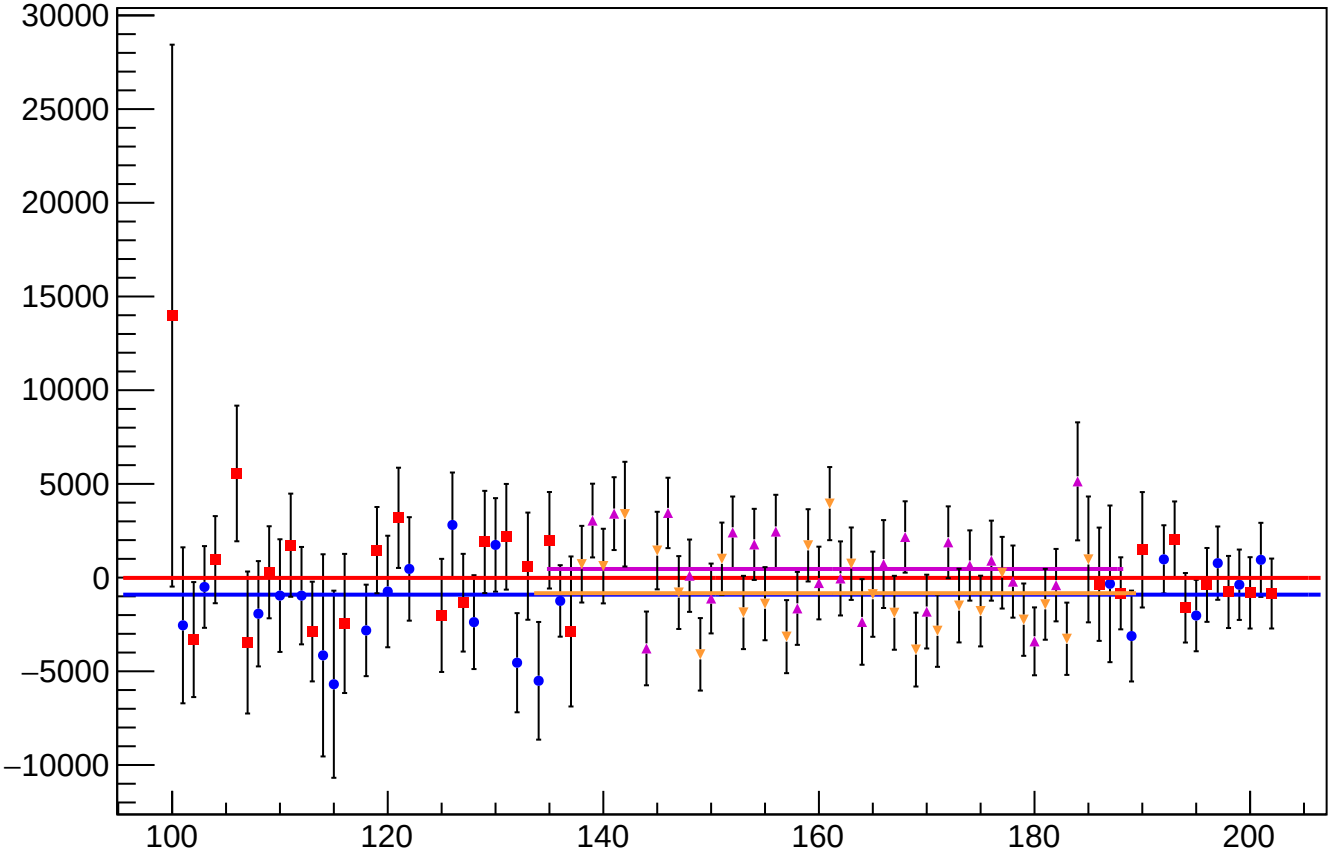
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 787.771+/-0.109 χ^2/NDF: 9581909.6/46

All: 787.187+/-0.077 χ^2/NDF: 21239510.2/96

- sign 786.612+/-0.109 χ^2/NDF: 11657544.1/49

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -910.379+/-518.991 χ^2/NDF: 13.7/22

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -16.530+/-485.487 χ^2/NDF: 15.0/26

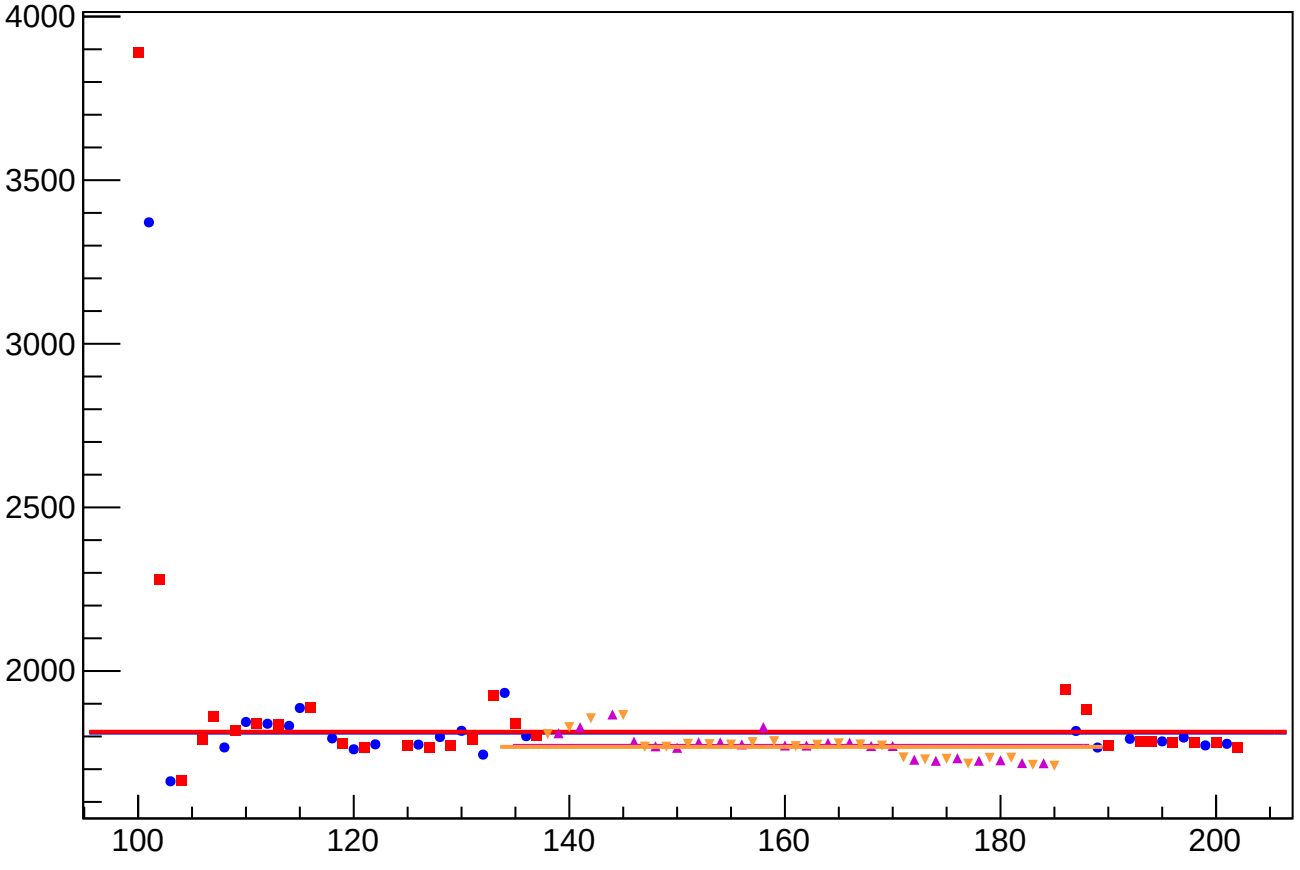
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -862.452+/-321.937 χ^2/NDF: 39.2/46

All: -289.095+/-225.098 χ^2/NDF: 88.2/96

- sign 259.315+/-314.855 χ^2/NDF: 42.8/49

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1811.805+/-0.367 χ^2/NDF: 300247.8/22

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

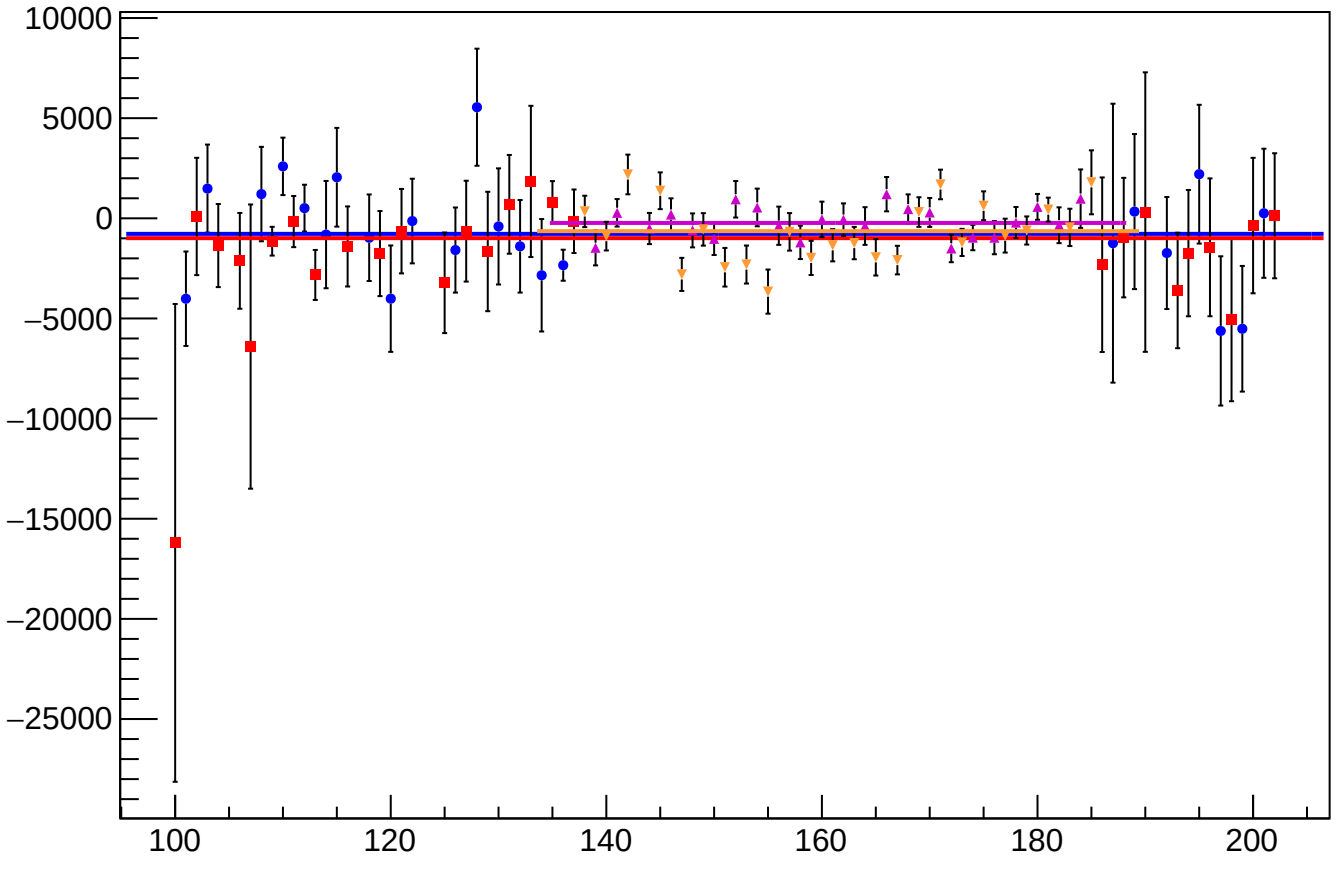
Right Out: 1814.313+/-0.343 χ^2/NDF: 113720.6/26

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.933+/-0.228 χ^2/NDF: 325321.5/46

All: 1787.187+/-0.159 χ^2/NDF: 464790.6/96

- sign 1789.343+/-0.223 χ^2/NDF: 139277.3/49



Right In: -776.440+/-419.765 χ^2/NDF: 27.8/22

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

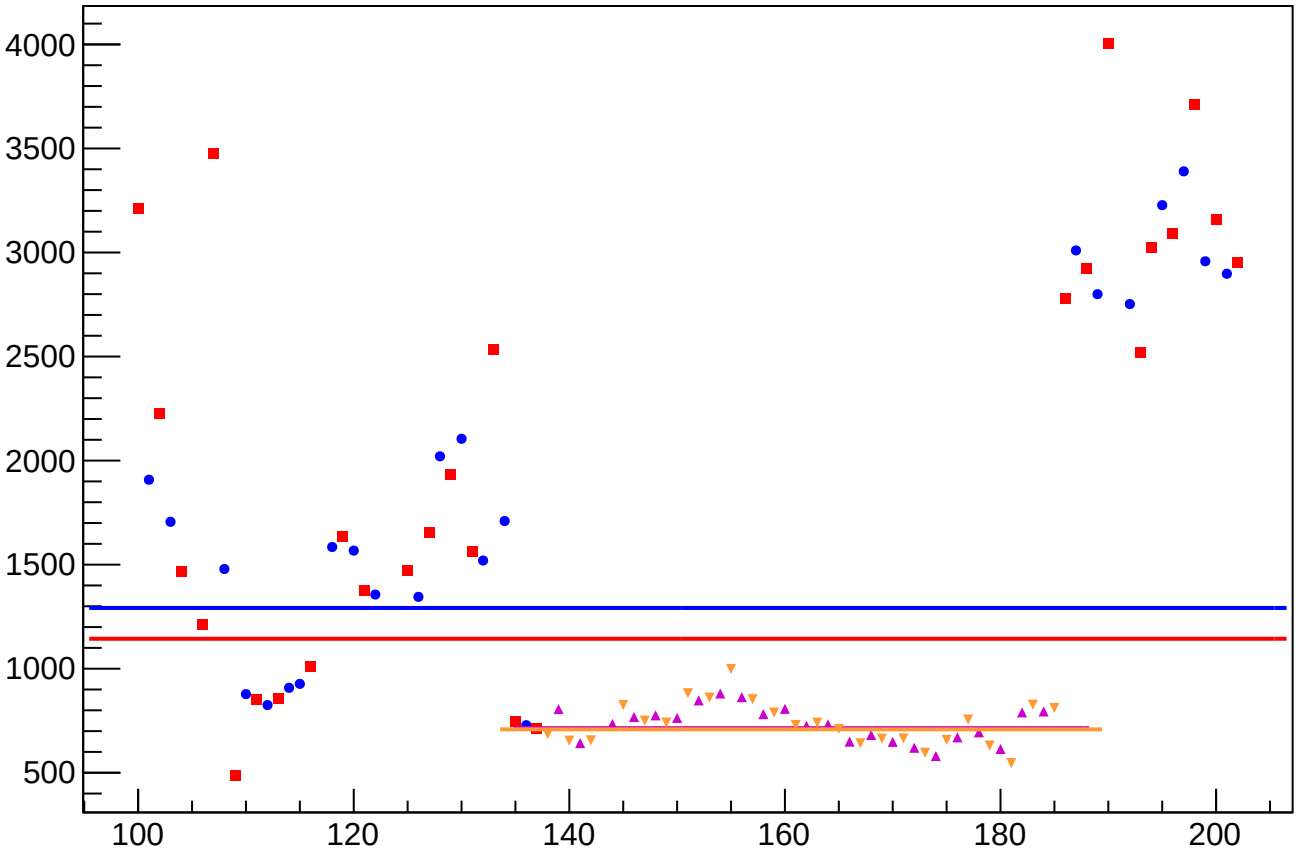
Right Out: -990.976+/-373.801 χ^2/NDF: 12.8/26

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -659.406+/-154.730 χ^2/NDF: 94.6/46

All: -507.864+/-108.965 χ^2/NDF: 132.6/96

- sign -358.763+/-153.478 χ^2/NDF: 36.1/49



Right In: 1291.862+/-0.297 χ^2/NDF: 5543672.0/22

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1143.893+/-0.264 χ^2/NDF: 8962687.8/26

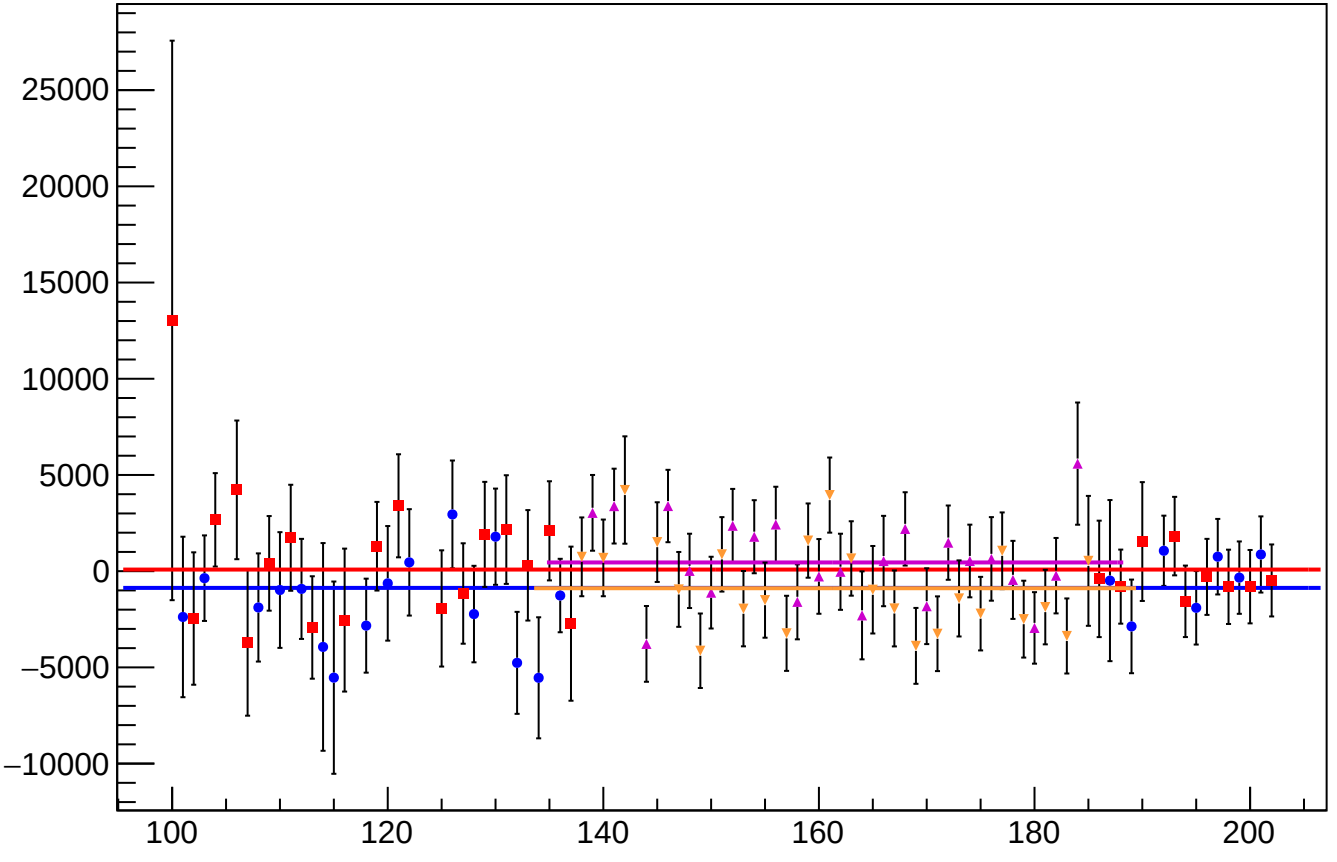
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 787.771+/-0.109 χ^2/NDF: 9581909.6/46

All: 787.187+/-0.077 χ^2/NDF: 21239510.2/96

- sign 786.612+/-0.109 χ^2/NDF: 11657544.1/49

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -869.140+/-520.385 χ^2/NDF: 13.7/22

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 83.601+/-488.310 χ^2/NDF: 14.1/26

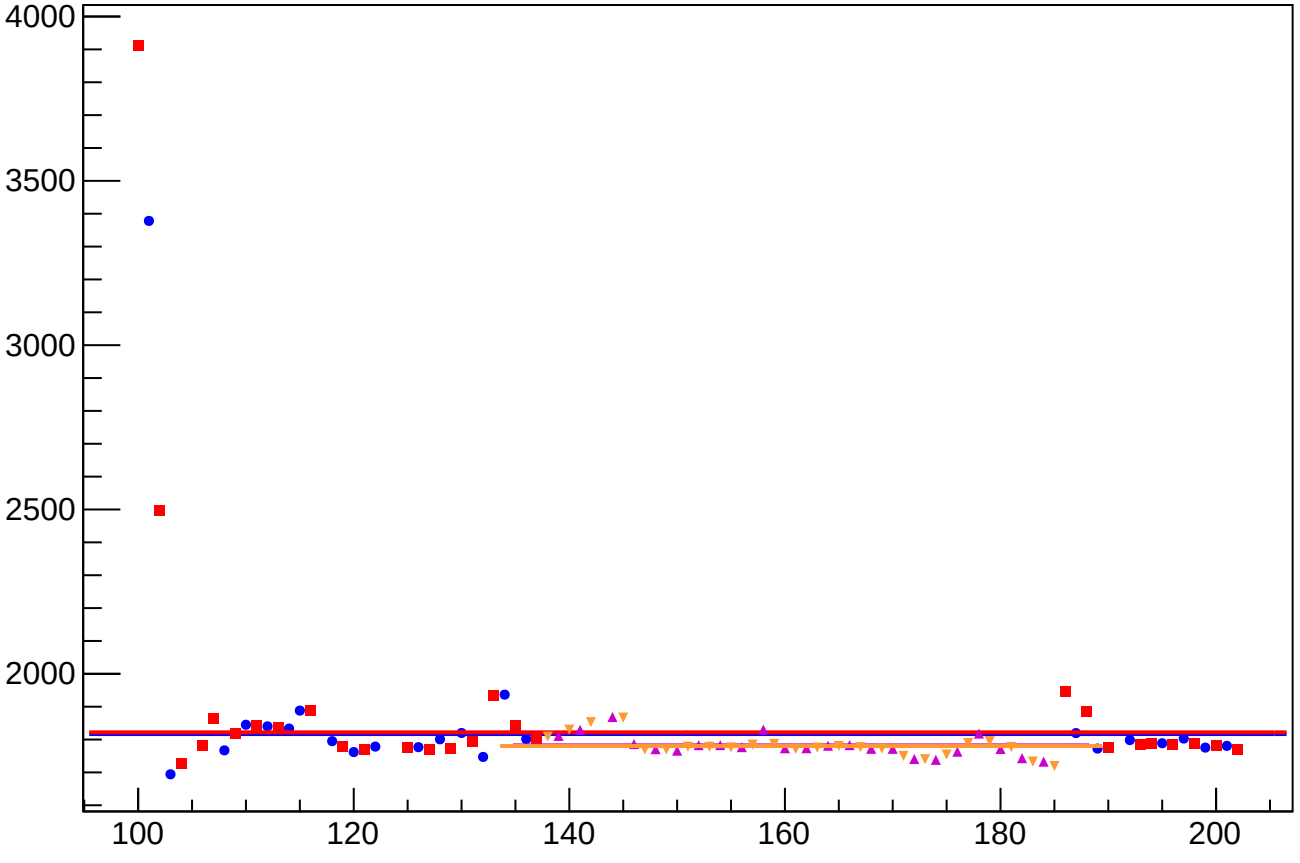
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -879.697+/-323.609 χ^2/NDF: 41.9/46

All: -278.398+/-226.364 χ^2/NDF: 88.8/96

- sign 297.701+/-316.755 χ^2/NDF: 40.2/49

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1816.738+/-0.368 χ^2/NDF: 296917.7/22

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

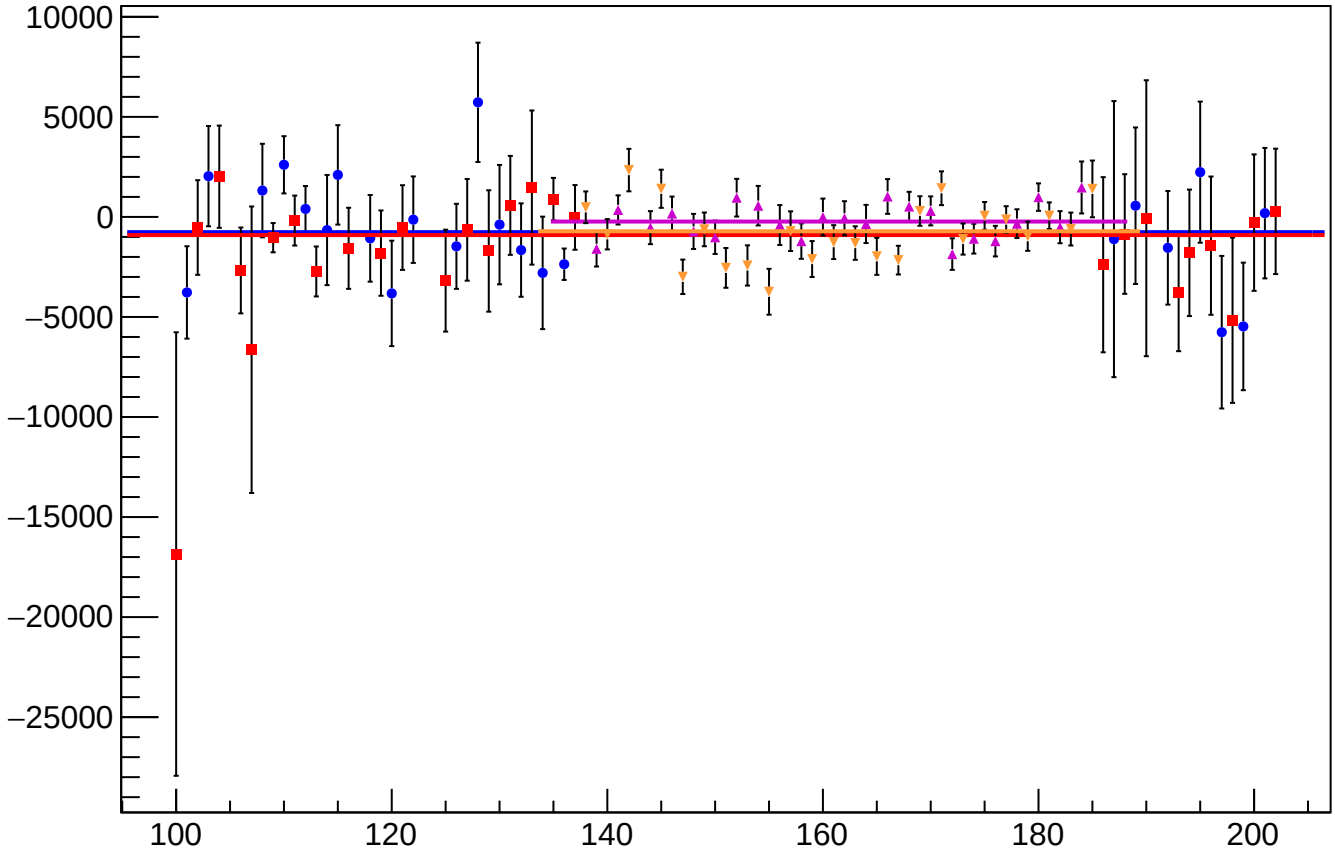
Right Out: 1821.915+/-0.345 χ^2/NDF: 140420.9/26

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1794.342+/-0.229 χ^2/NDF: 313338.0/46

All: 1796.705+/-0.160 χ^2/NDF: 472824.6/96

- sign 1798.968+/-0.224 χ^2/NDF: 159277.9/49



Right In: -761.888+/-423.276 χ^2/NDF: 27.7/22

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

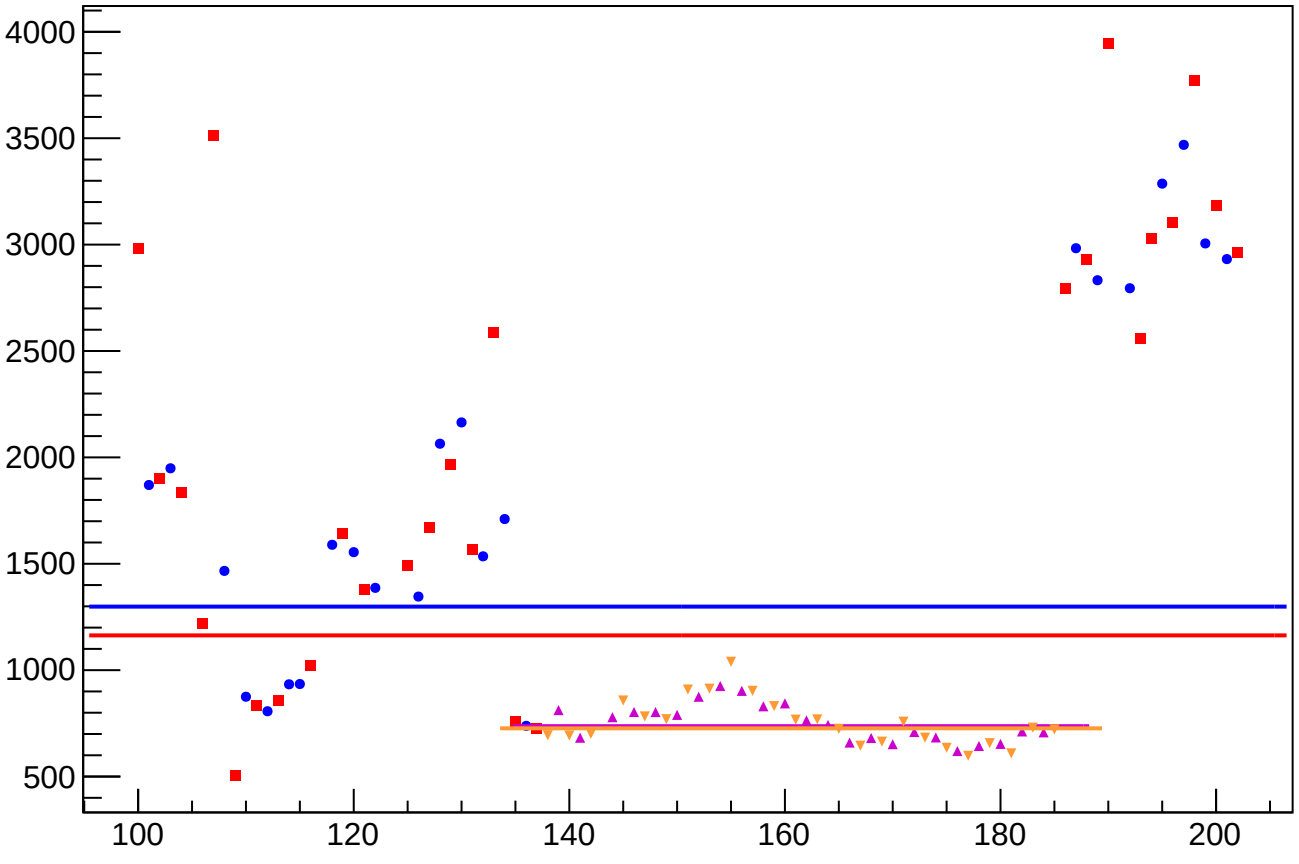
Right Out: -906.593+/-376.057 χ^2/NDF: 14.7/26

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -722.929+/-158.233 χ^2/NDF: 87.1/46

All: -535.469+/-111.625 χ^2/NDF: 131.4/96

- sign -349.759+/-157.493 χ^2/NDF: 41.5/49



Right In: 1298.651+/-0.299 χ^2/NDF: 5674836.2/22

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1163.482+/-0.266 χ^2/NDF: 8879316.3/26

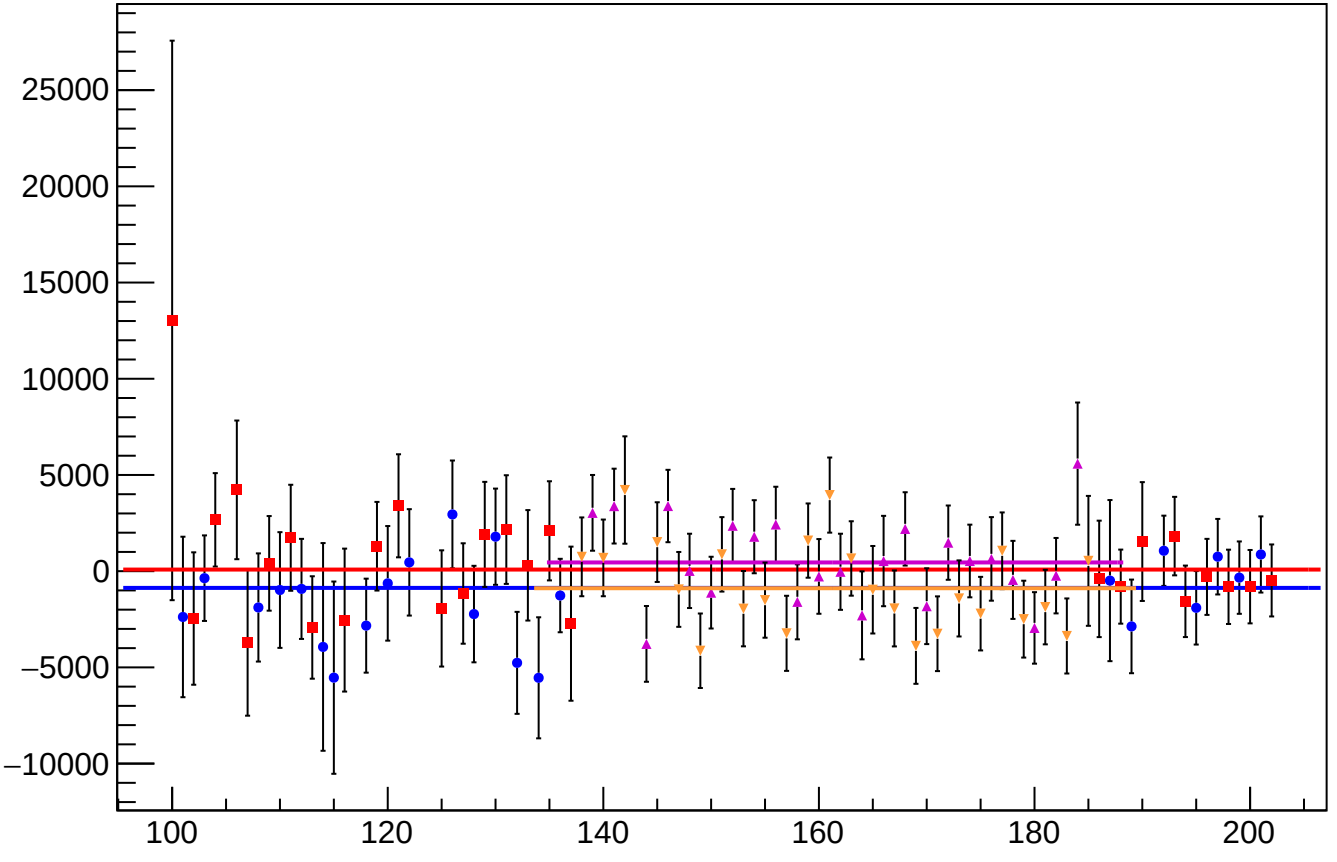
Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 806.547+/-0.112 χ^2/NDF: 9502085.7/46

All: 809.067+/-0.079 χ^2/NDF: 20971497.9/96

- sign 811.563+/-0.111 χ^2/NDF: 11468402.7/49

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -869.142+/-520.385 χ^2/NDF: 13.7/22

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 83.600+/-488.310 χ^2/NDF: 14.1/26

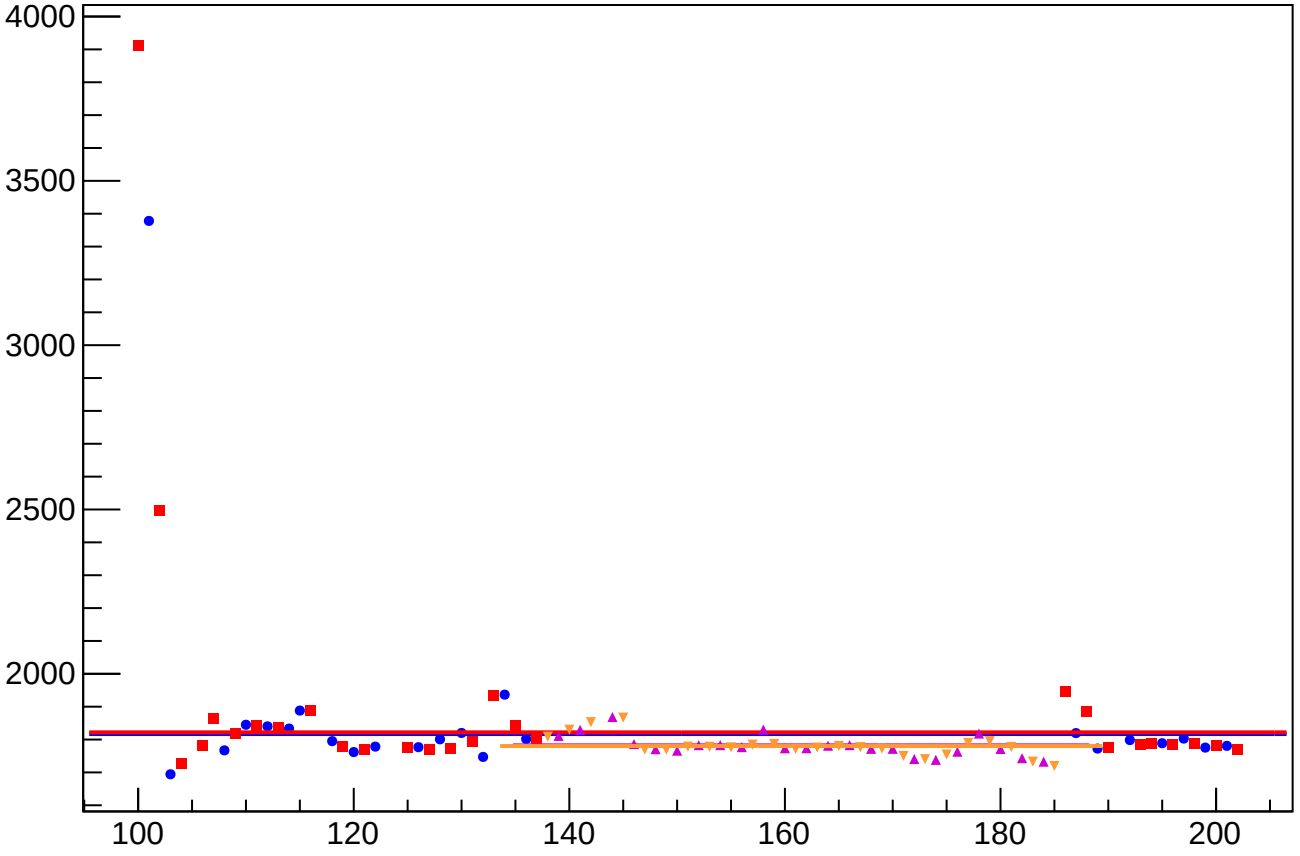
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -879.697+/-323.609 χ^2/NDF: 41.9/46

All: -278.399+/-226.364 χ^2/NDF: 88.8/96

- sign 297.700+/-316.755 χ^2/NDF: 40.2/49

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1816.738+/-0.368 χ^2/NDF: 296917.6/22

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

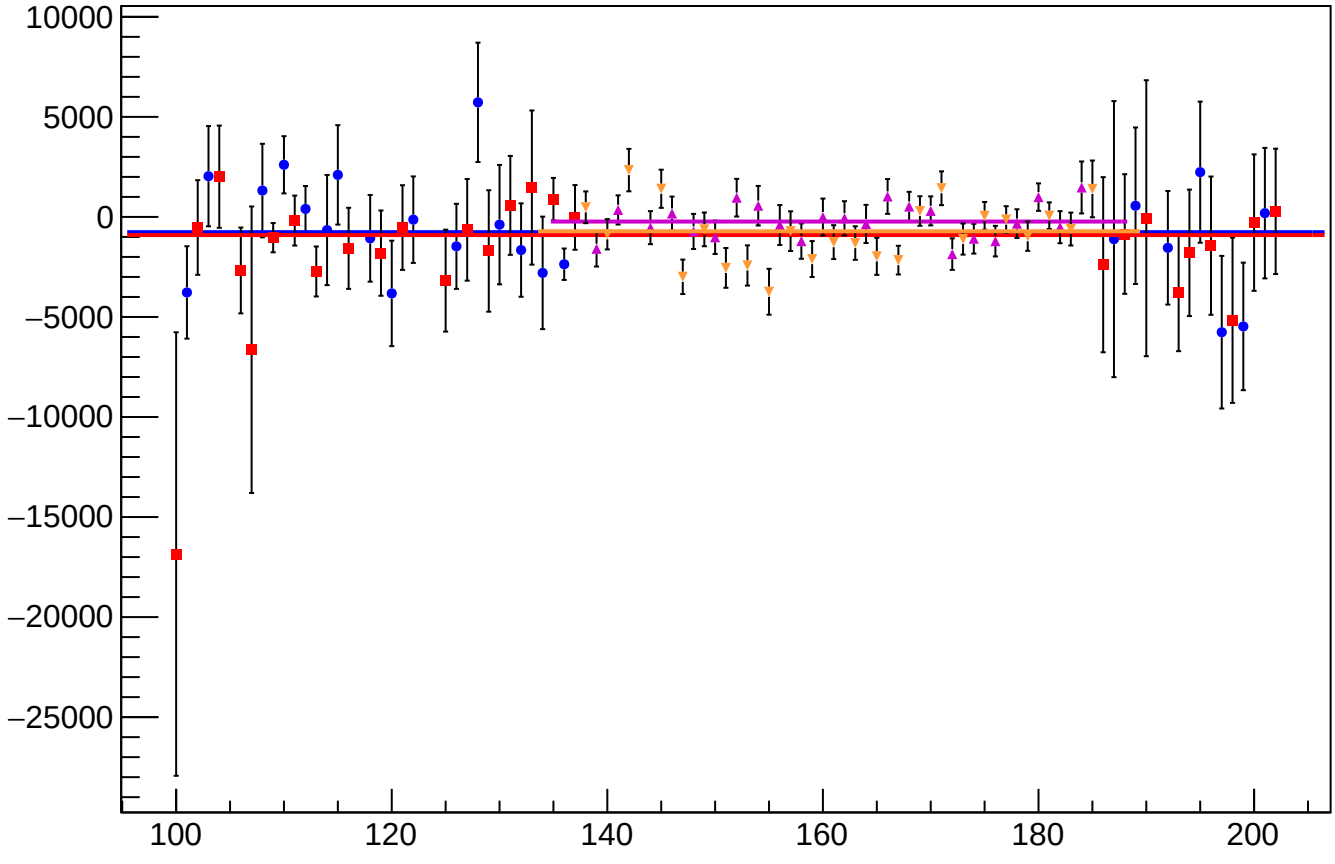
Right Out: 1821.915+/-0.345 χ^2/NDF: 140421.0/26

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1794.342+/-0.229 χ^2/NDF: 313338.1/46

All: 1796.705+/-0.160 χ^2/NDF: 472824.8/96

- sign 1798.968+/-0.224 χ^2/NDF: 159278.0/49



Right In: -761.877+/-423.276 χ^2/NDF: 27.7/22

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

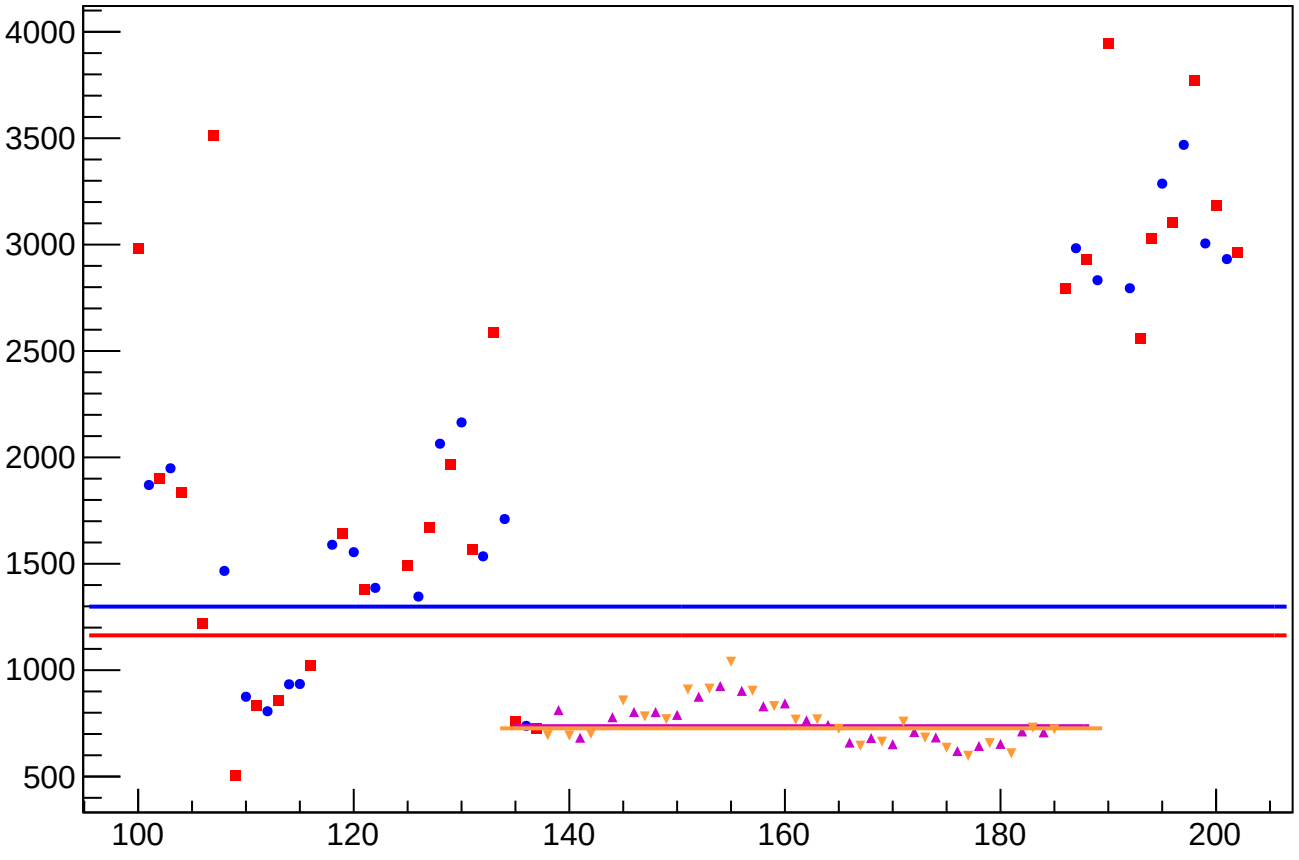
Right Out: -906.599+/-376.057 χ^2/NDF: 14.7/26

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -722.928+/-158.233 χ^2/NDF: 87.1/46

All: -535.468+/-111.625 χ^2/NDF: 131.4/96

- sign -349.759+/-157.493 χ^2/NDF: 41.5/49



Right In: 1298.654+/-0.299 χ^2/NDF: 5674790.8/22

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1163.485+/-0.266 χ^2/NDF: 8879280.1/26

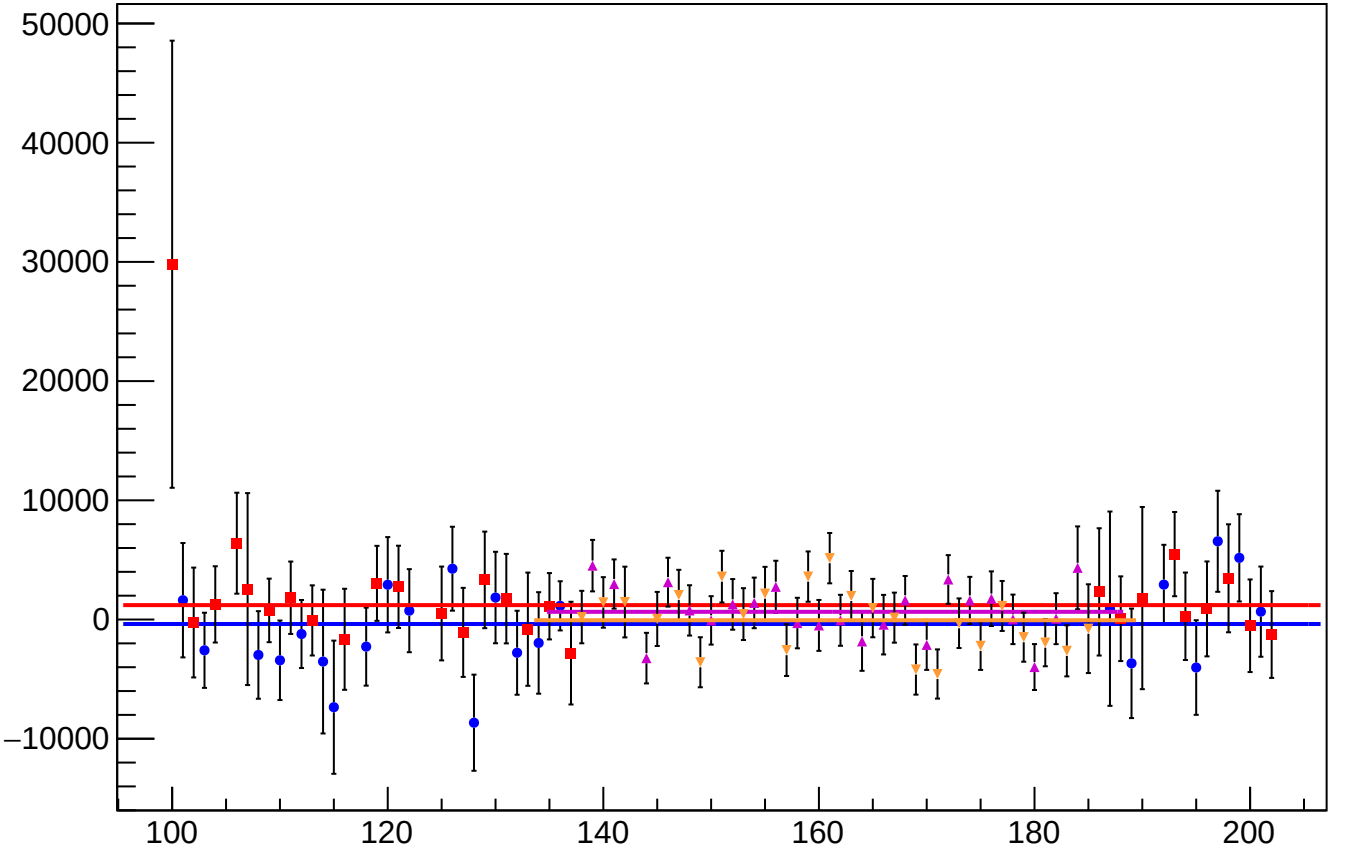
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 806.548+/-0.112 χ^2/NDF: 9502059.7/46

All: 809.067+/-0.079 χ^2/NDF: 20971474.7/96

- sign 811.563+/-0.111 χ^2/NDF: 11468405.7/49

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -376.547+/-761.311 χ^2/NDF: 19.9/22

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1207.989+/-733.381 χ^2/NDF: 9.6/26

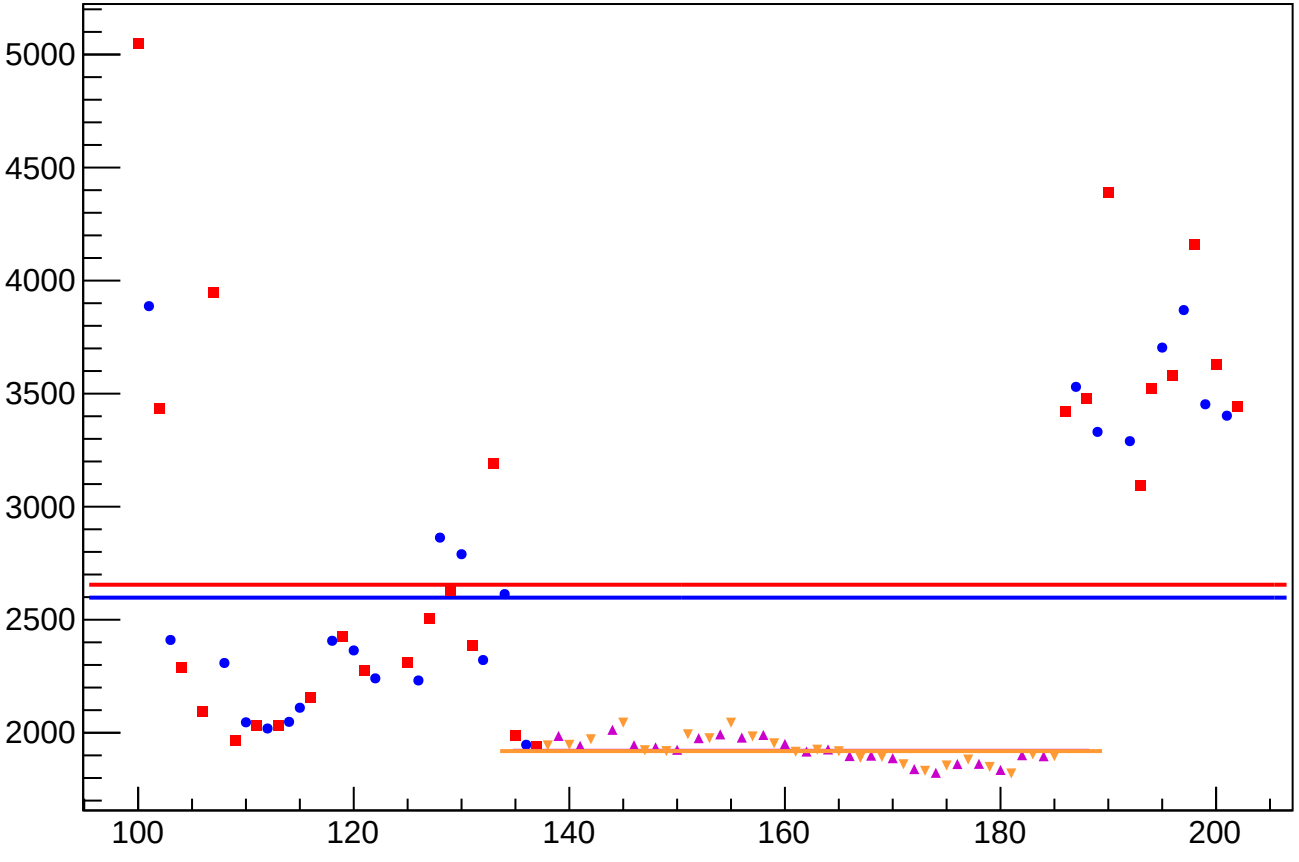
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -140.467+/-384.570 χ^2/NDF: 53.0/46

All: 331.950+/-271.249 χ^2/NDF: 89.7/96

- sign 799.652+/-382.646 χ^2/NDF: 33.6/49

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2597.733+/-0.538 χ^2/NDF: 1312151.3/22

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

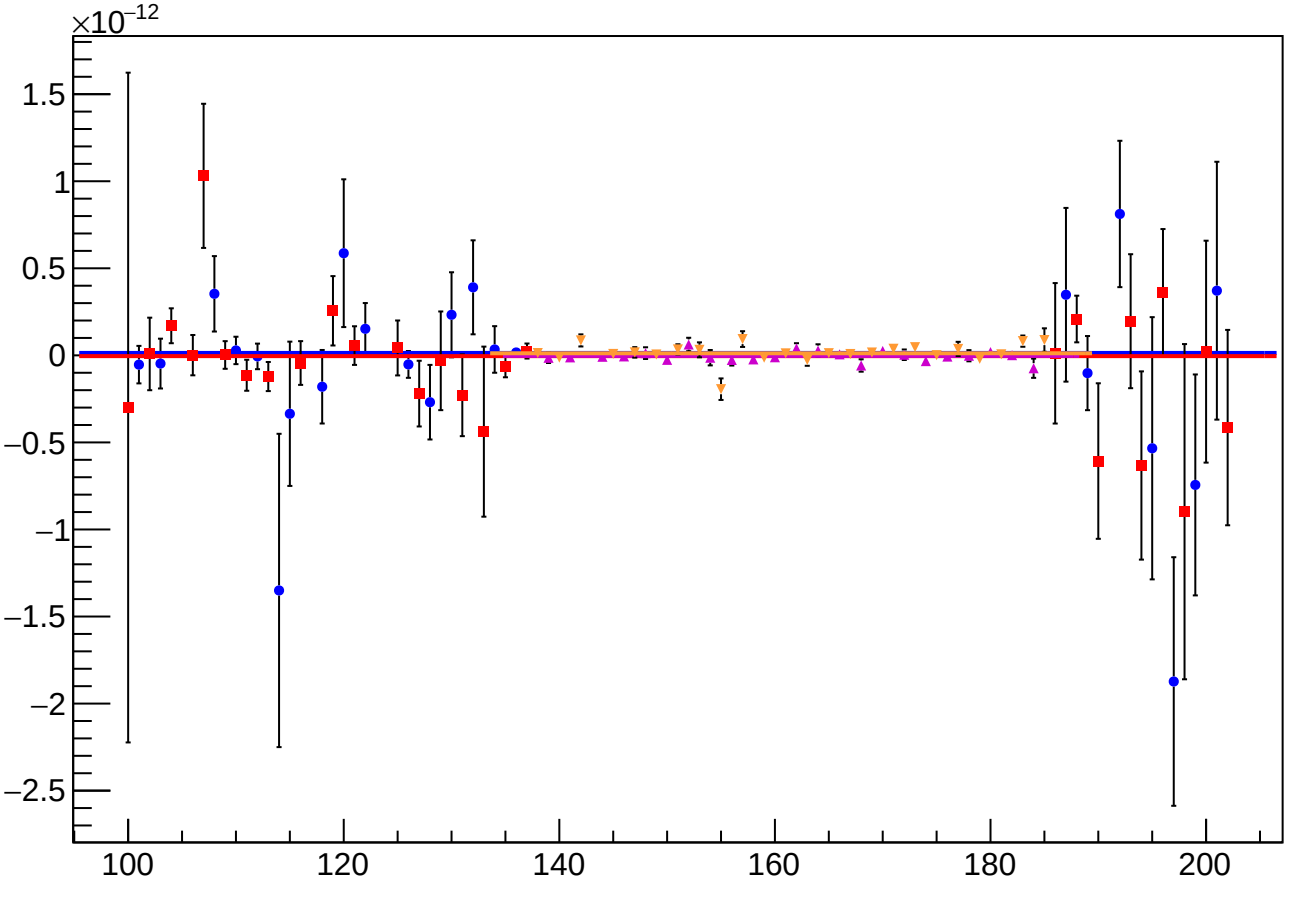
Right Out: 2654.853+/-0.519 χ^2/NDF: 1741209.5/26

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

\+ sign 2092.173+/-0.272 χ^2/NDF: 2531843.2/46

All: 2106.260+/-0.192 χ^2/NDF: 5768857.2/96

\- sign 2120.206+/-0.271 χ^2/NDF: 3231673.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 28.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

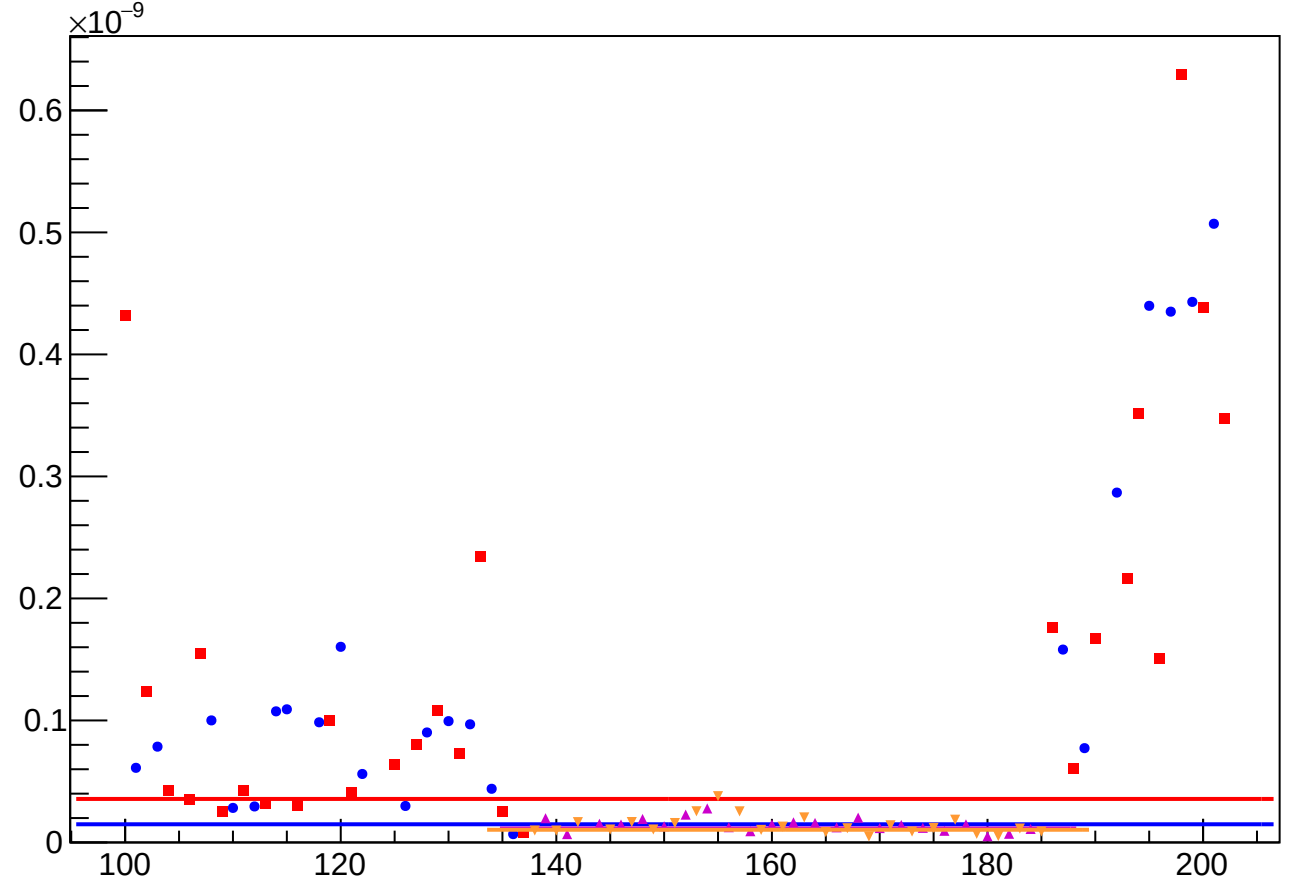
Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.6/46

All: 0.000+/-0.000 χ^2/NDF: 119.3/96

- sign -0.000+/-0.000 χ^2/NDF: 47.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 7732548.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

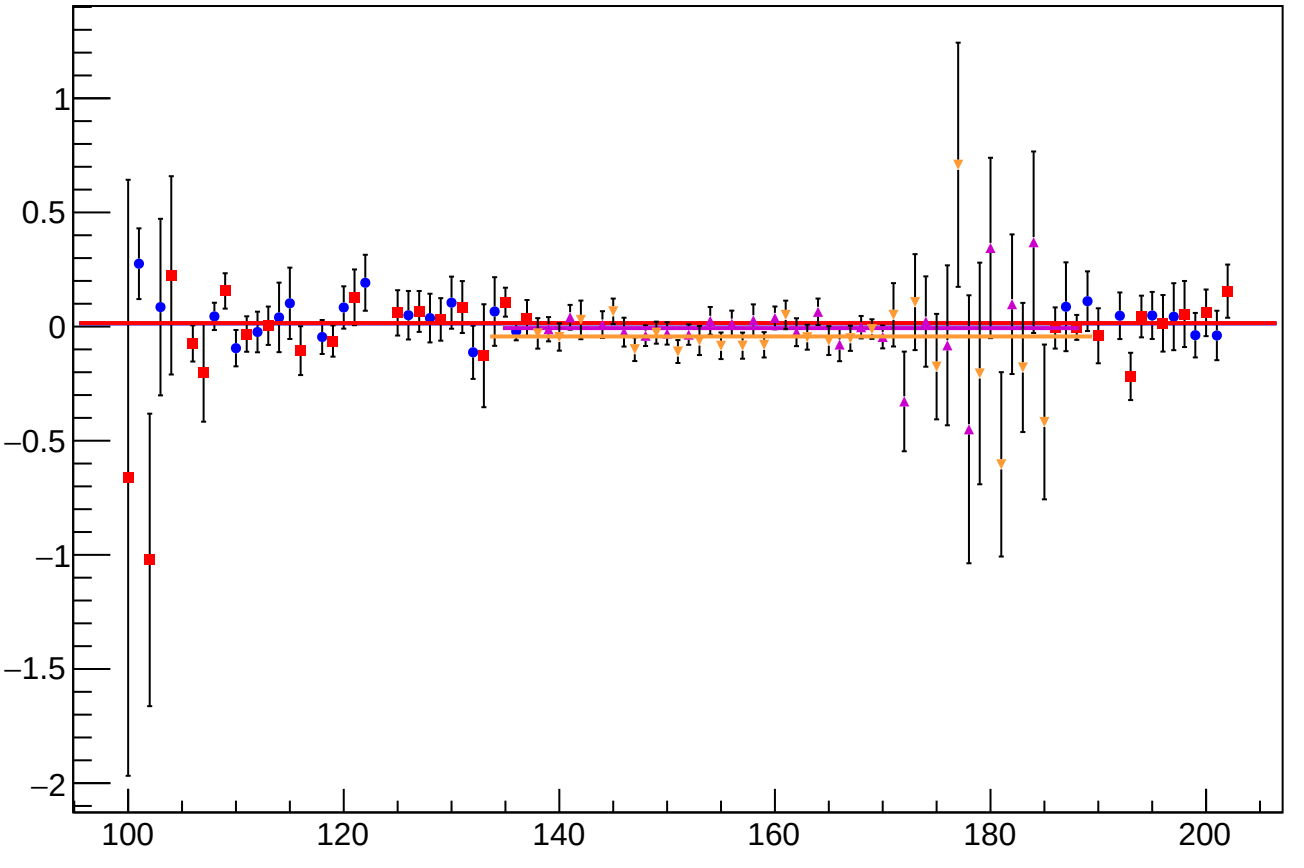
Right Out: 0.000+/-0.000 χ^2/NDF: 6427457.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9993728.4/46

All: 0.000+/-0.000 χ^2/NDF: 20470473.3/96

- sign 0.000+/-0.000 χ^2/NDF: 10353387.2/49



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

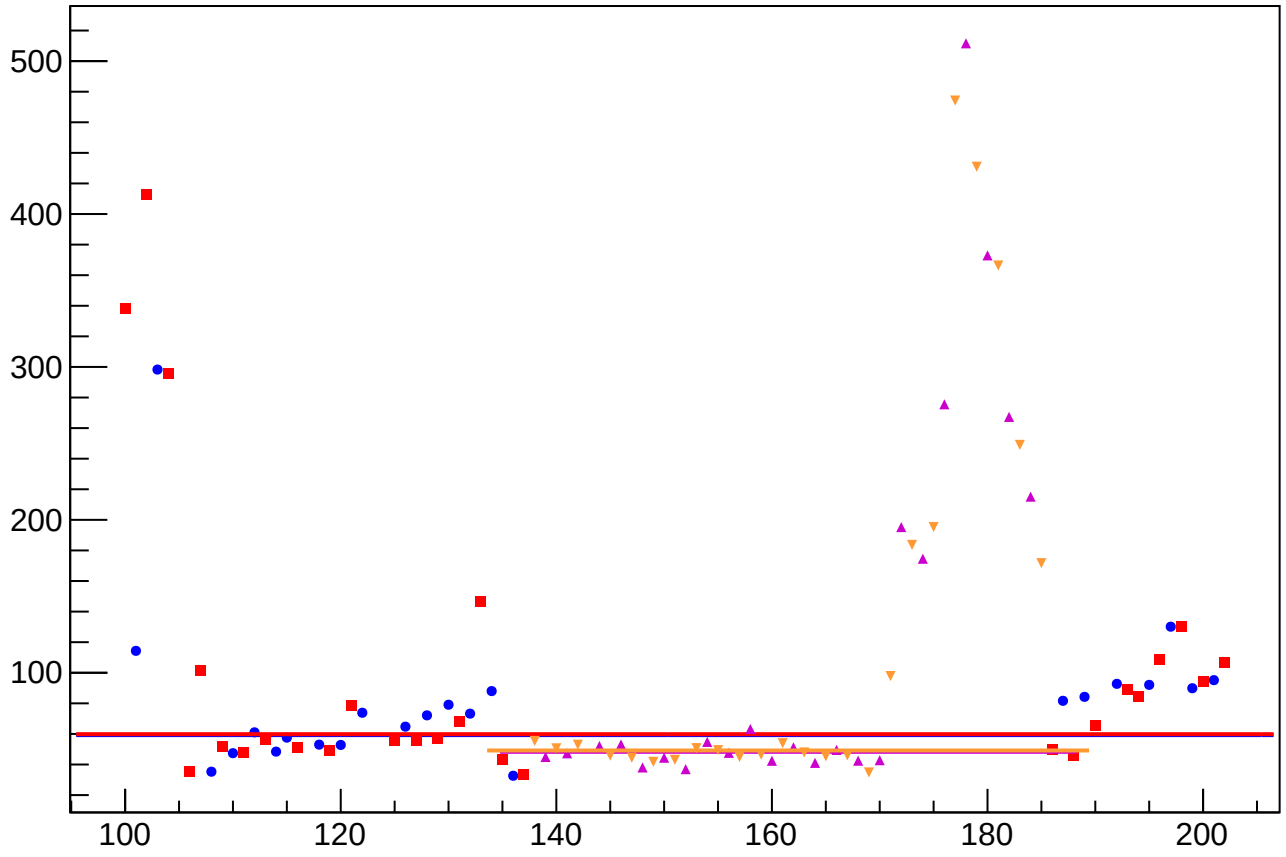
Right Out: 0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/46

All: -0.011+/-0.008 χ^2/NDF: 75.8/96

- sign 0.001+/-0.011 χ^2/NDF: 35.5/49



Right In: 59.230+/-0.014 χ^2/NDF: 3978345.6/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

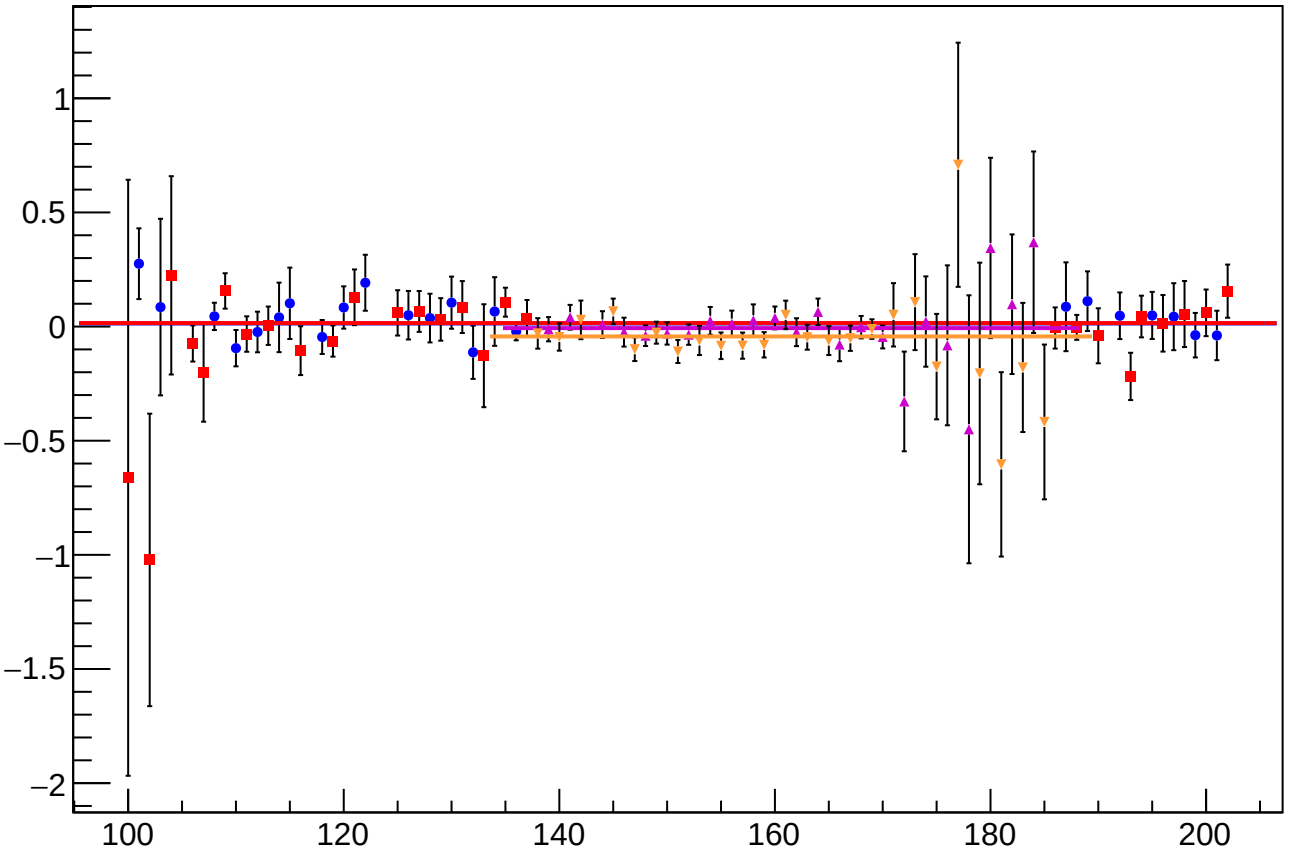
Right Out: 59.837+/-0.013 χ^2/NDF: 4198956.1/26

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 52.544+/-0.008 χ^2/NDF: 11578082.2/46

All: 52.416+/-0.006 χ^2/NDF: 23321493.3/96

\- sign 52.298+/-0.008 χ^2/NDF: 11742922.7/49



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

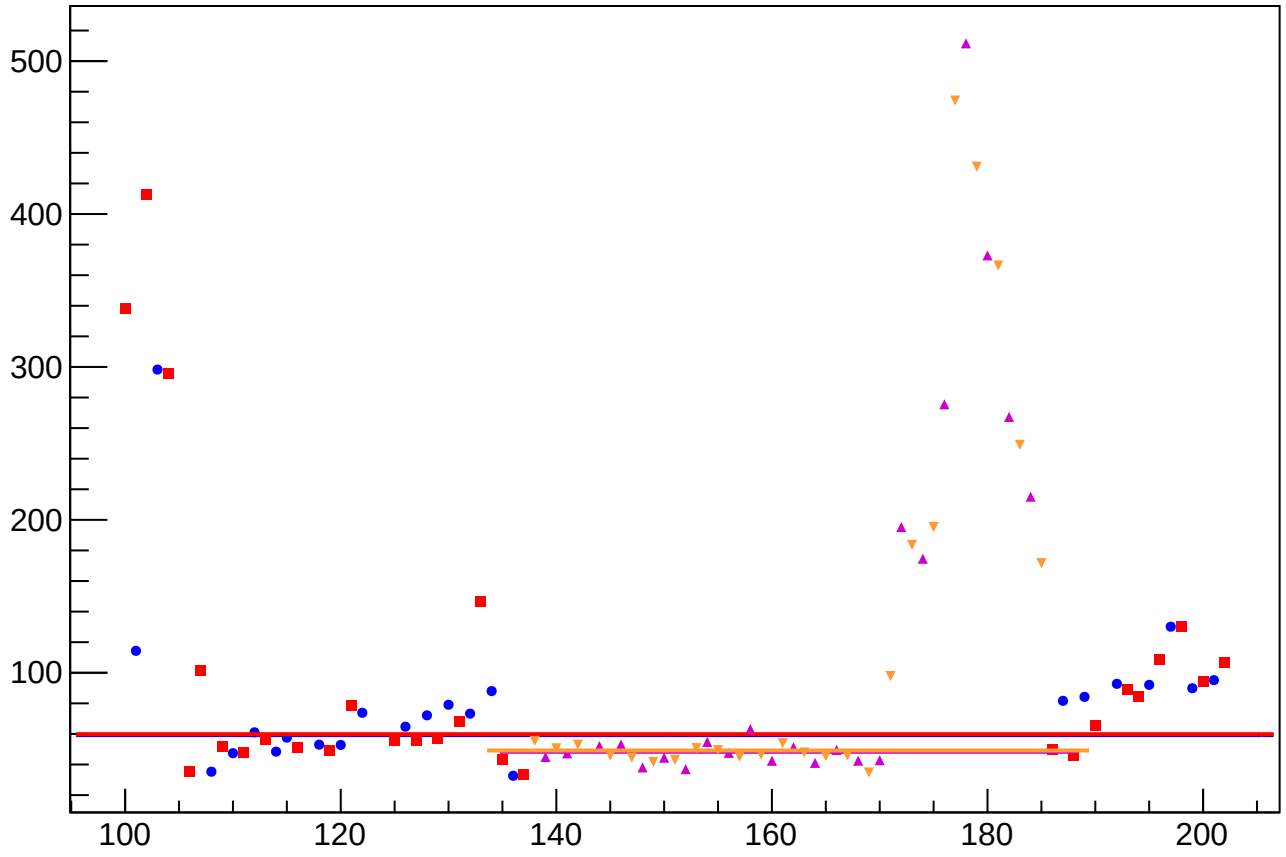
Right Out: 0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/46

All: -0.011+/-0.008 χ^2/NDF: 75.8/96

- sign 0.001+/-0.011 χ^2/NDF: 35.5/49



Right In: 59.230+/-0.014 χ^2/NDF: 3978345.6/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

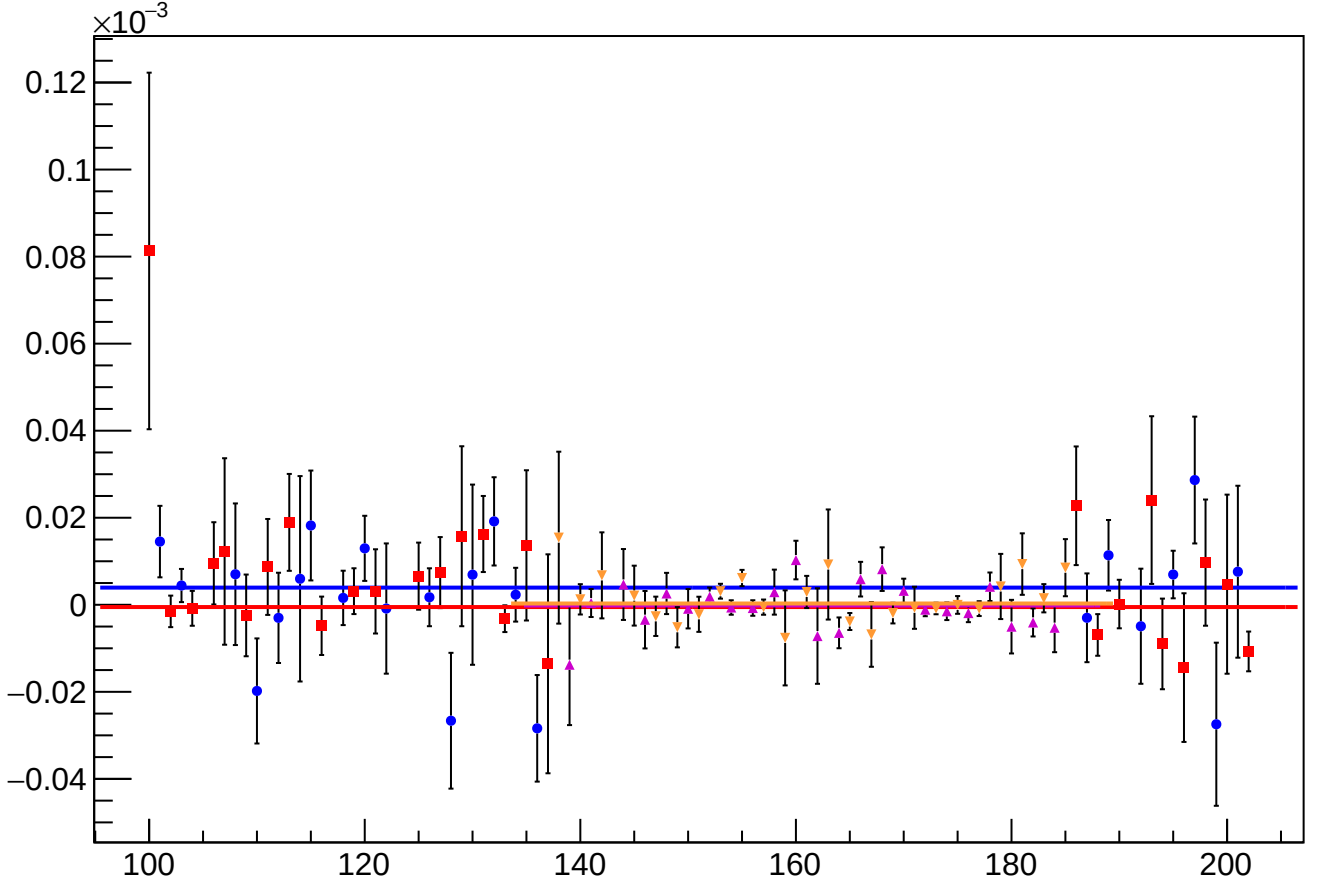
Right Out: 59.837+/-0.013 χ^2/NDF: 4198956.1/26

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 52.544+/-0.008 χ^2/NDF: 11578082.2/46

All: 52.416+/-0.006 χ^2/NDF: 23321493.3/96

\- sign 52.298+/-0.008 χ^2/NDF: 11742922.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

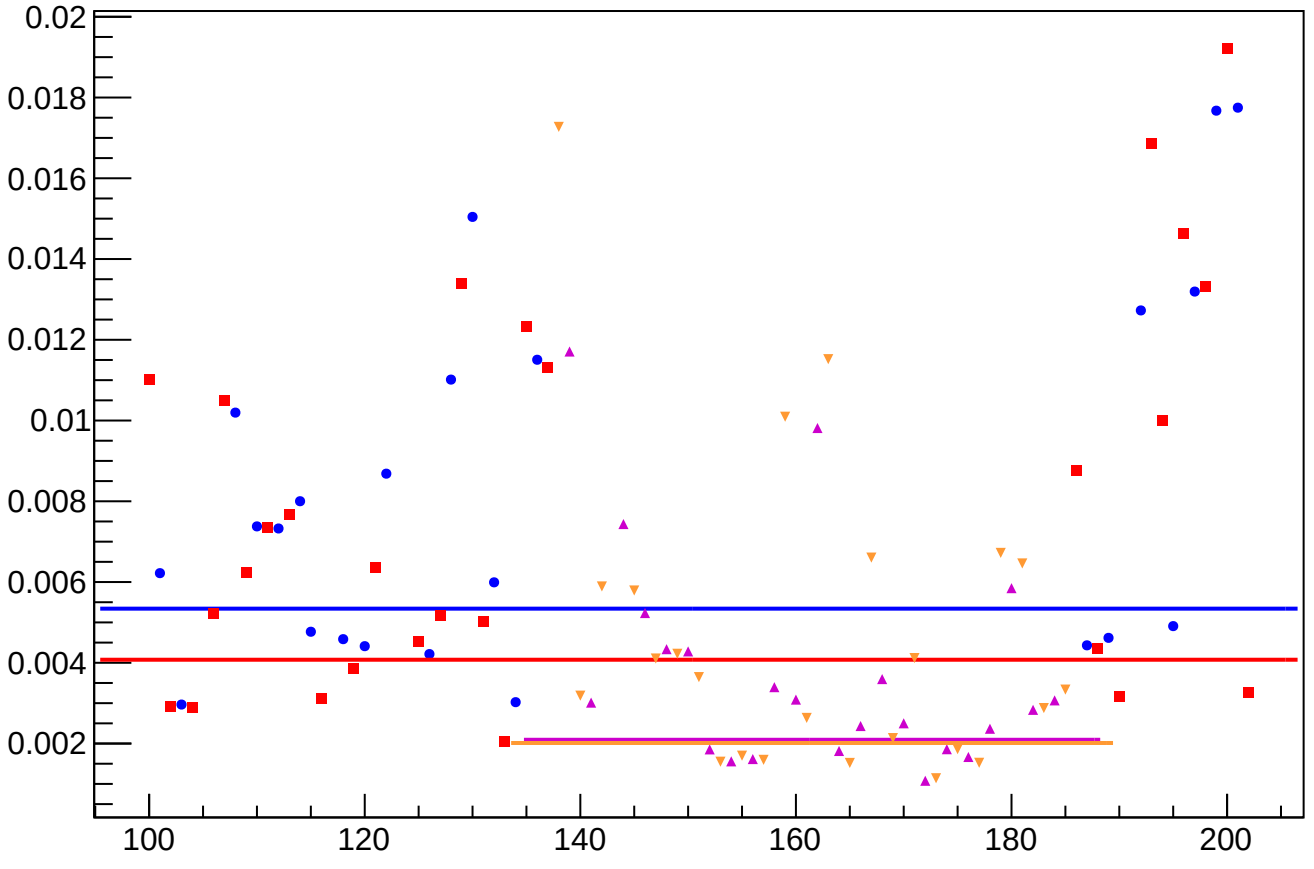
Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.6/46

All: 0.000+/-0.000 χ^2/NDF: 120.5/96

- sign -0.000+/-0.000 χ^2/NDF: 56.8/49



Right In: 0.005+/-0.000 χ^2/NDF: 5758525.9/22

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

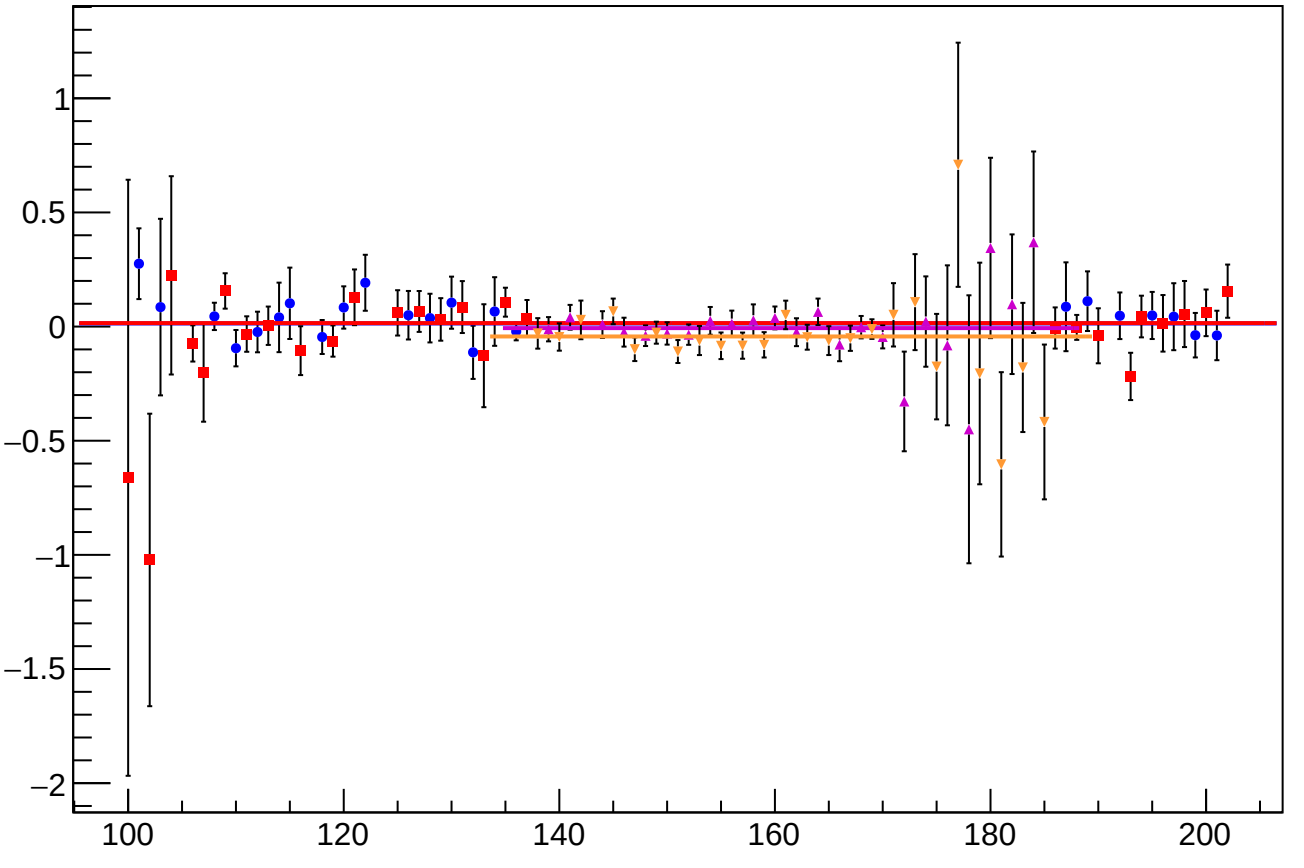
Right Out: 0.004+/-0.000 χ^2/NDF: 7804520.5/26

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 22177993.1/46

All: 0.002+/-0.000 χ^2/NDF: 40817599.9/96

- sign 0.002+/-0.000 χ^2/NDF: 18589667.2/49



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

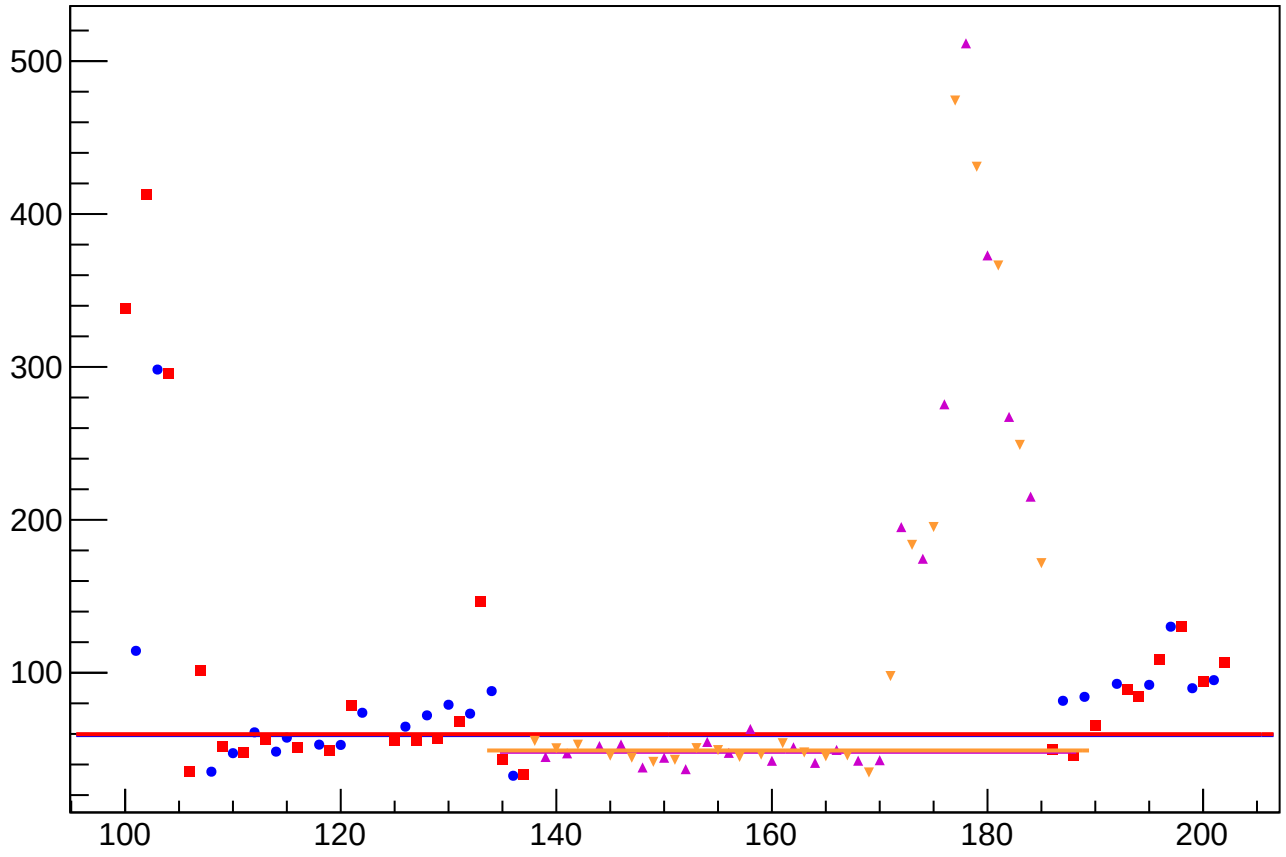
Right Out: 0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/46

All: -0.011+/-0.008 χ^2/NDF: 75.8/96

- sign 0.001+/-0.011 χ^2/NDF: 35.5/49



Right In: 59.230+/-0.014 χ^2/NDF: 3978197.4/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

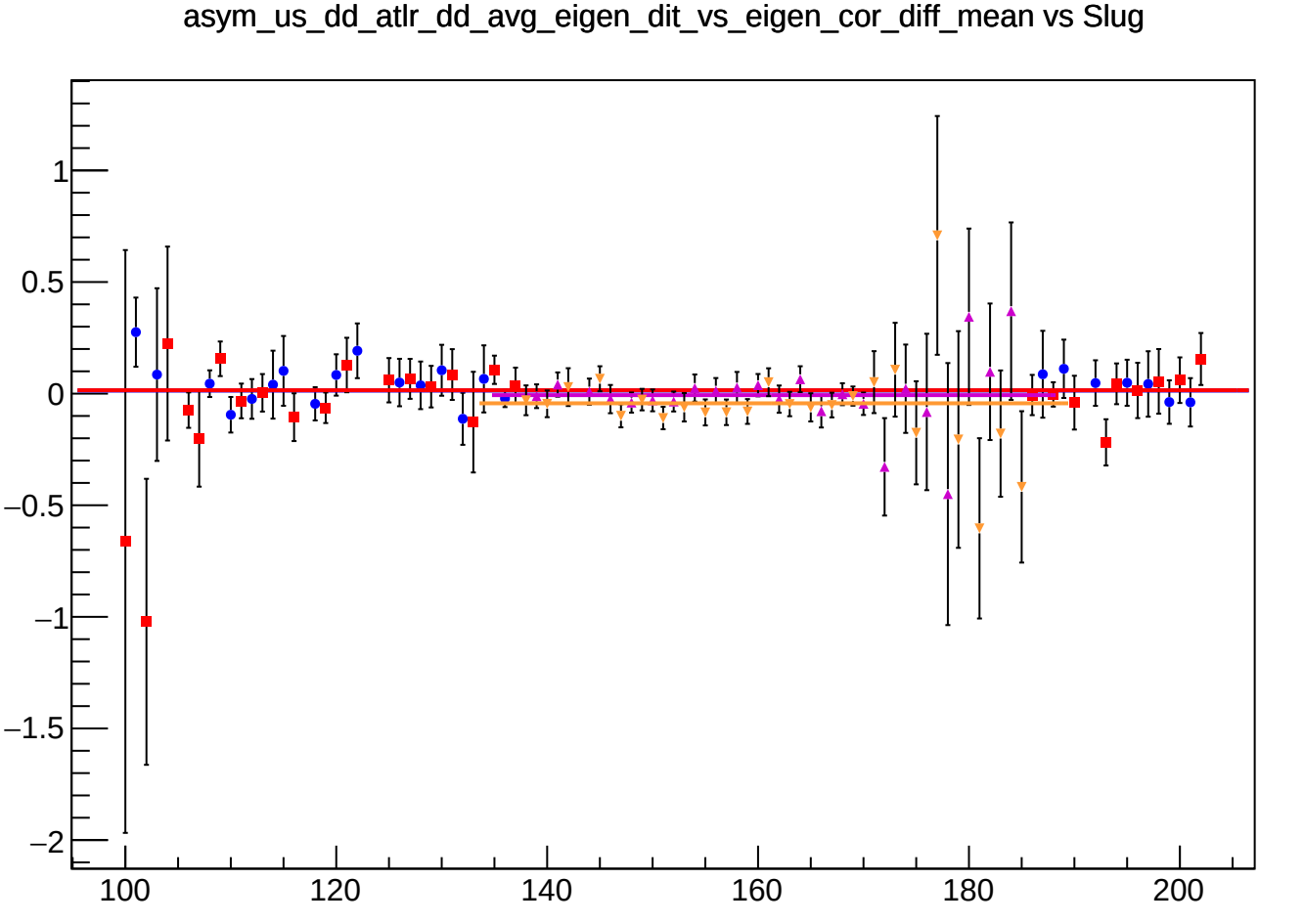
Right Out: 59.838+/-0.013 χ^2/NDF: 4198814.0/26

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 52.544+/-0.008 χ^2/NDF: 11577999.3/46

All: 52.416+/-0.006 χ^2/NDF: 23321220.4/96

\- sign 52.298+/-0.008 χ^2/NDF: 11742734.8/49



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

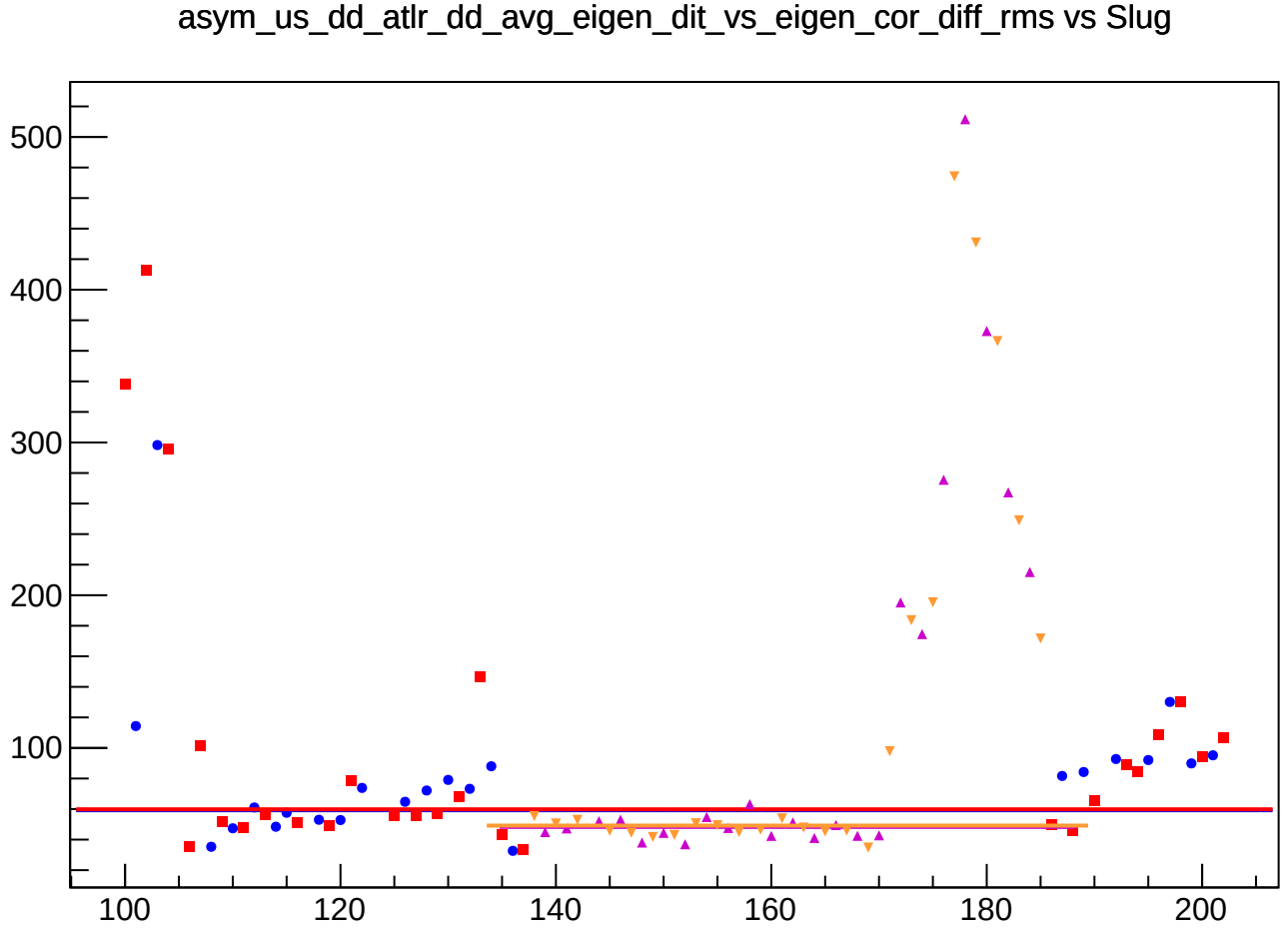
Right Out: 0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/46

All: -0.011+/-0.008 χ^2/NDF: 75.8/96

- sign 0.001+/-0.011 χ^2/NDF: 35.5/49



Right In: 59.230+/-0.014 χ^2/NDF: 3978197.4/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

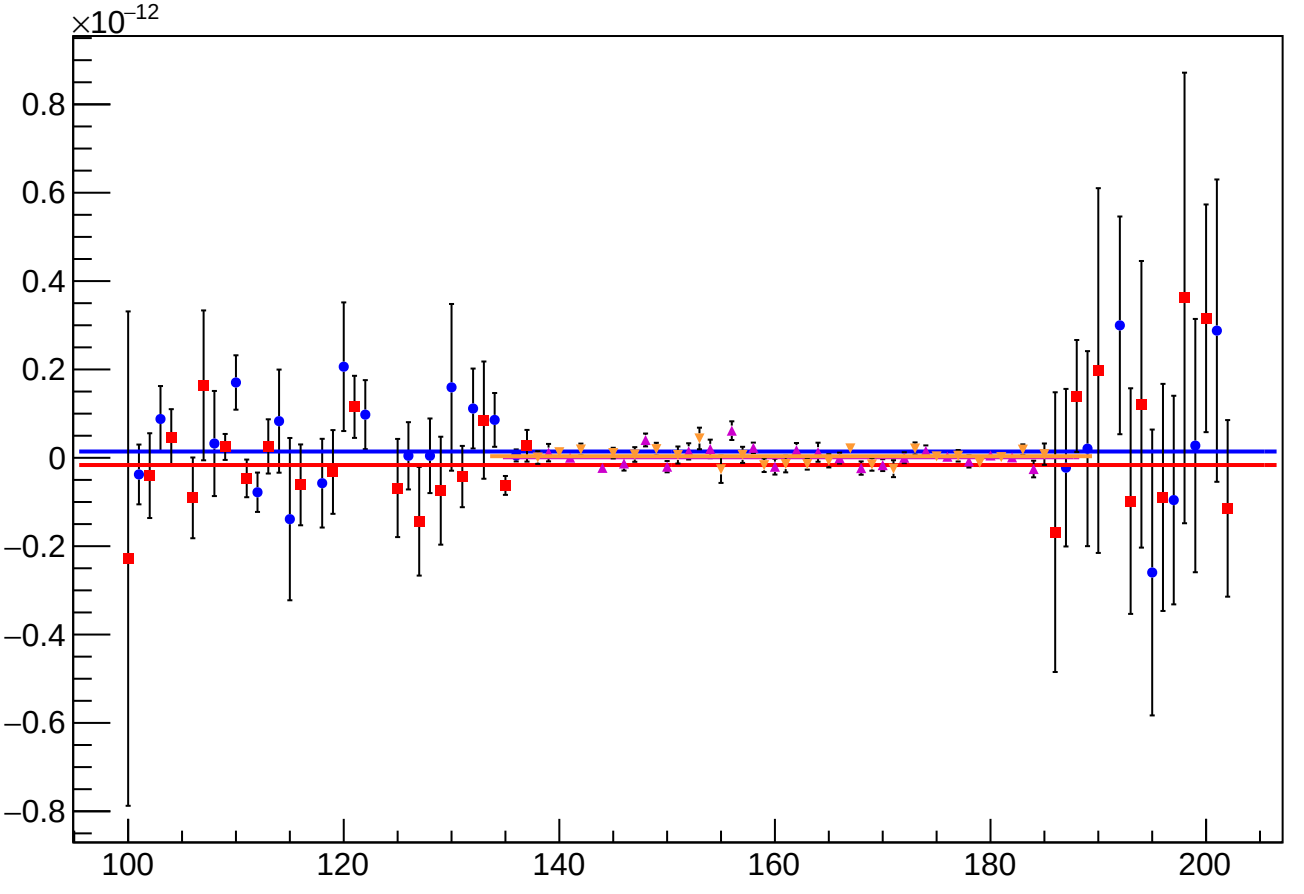
Right Out: 59.838+/-0.013 χ^2/NDF: 4198814.0/26

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 52.544+/-0.008 χ^2/NDF: 11577999.3/46

All: 52.416+/-0.006 χ^2/NDF: 23321220.4/96

- sign 52.298+/-0.008 χ^2/NDF: 11742734.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

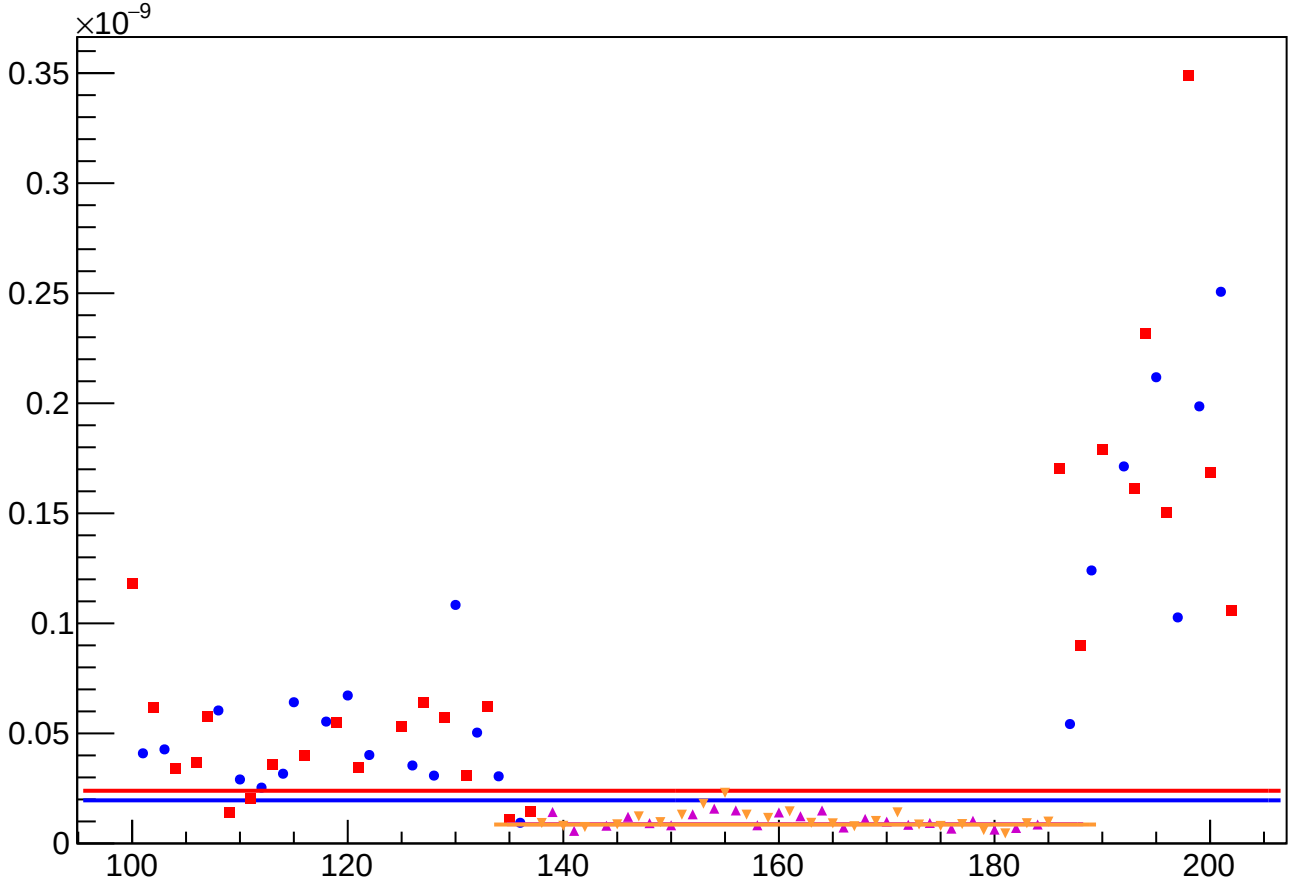
Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/26

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/46

All: 0.000+/-0.000 χ^2/NDF: 114.6/96

- sign 0.000+/-0.000 χ^2/NDF: 64.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 7371147.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7637127.7/26

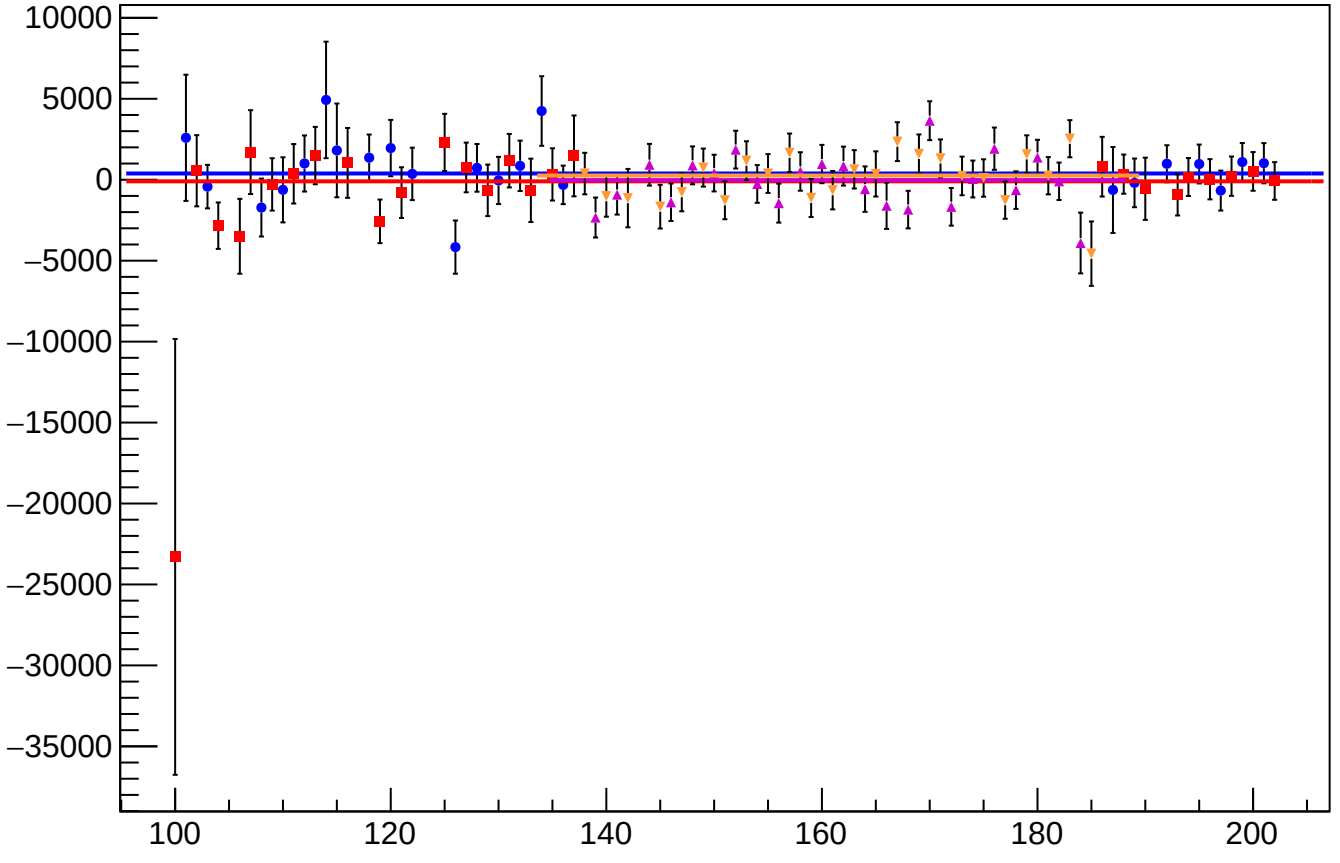
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11679835.0/46

All: 0.000+/-0.000 χ^2/NDF: 24153372.4/96

- sign 0.000+/-0.000 χ^2/NDF: 12463216.2/49

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 385.959+/-322.476 χ^2/NDF: 19.2/22

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -98.504+/-303.273 χ^2/NDF: 18.8/26

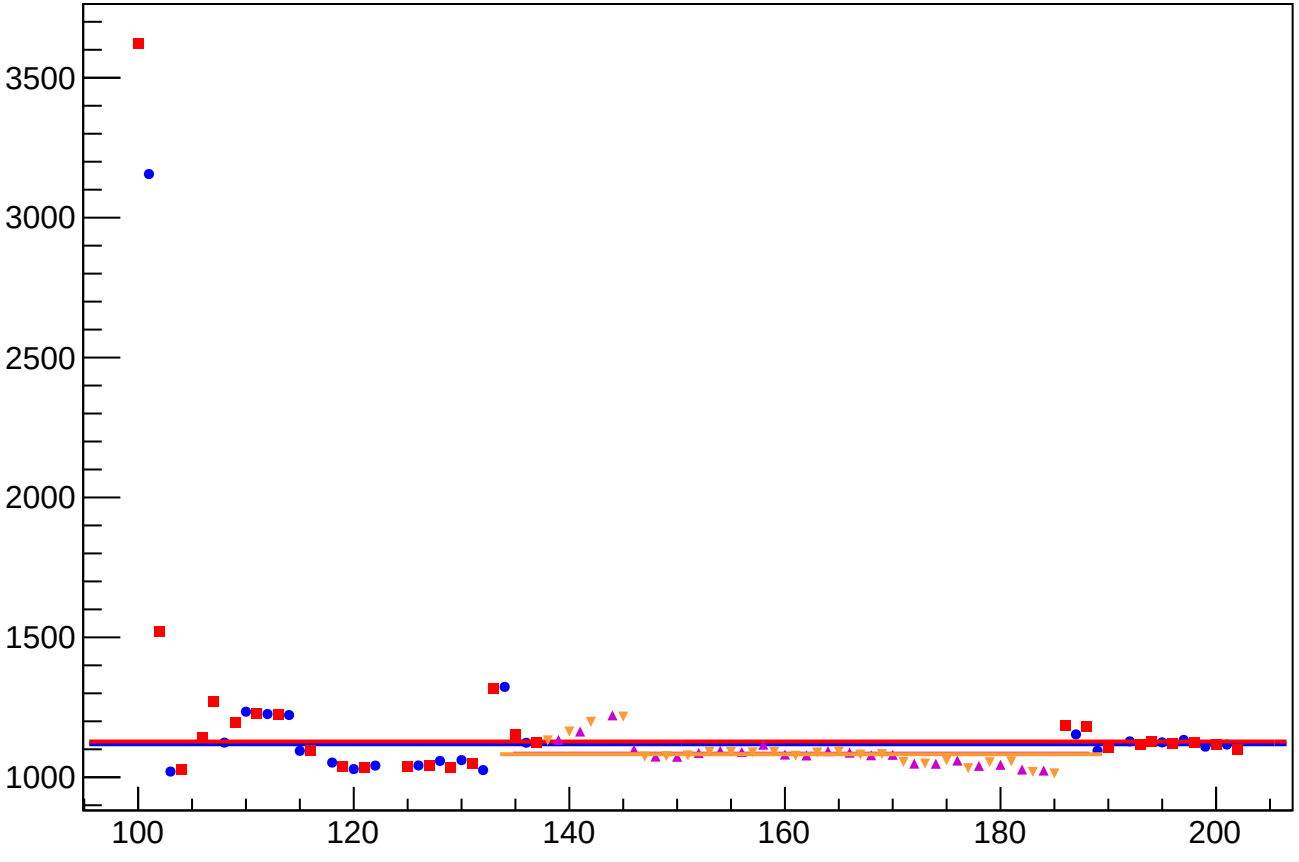
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 308.019+/-198.269 χ^2/NDF: 47.5/46

All: 123.639+/-138.818 χ^2/NDF: 103.8/96

- sign -53.659+/-194.424 χ^2/NDF: 54.6/49

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.973+/-0.228 χ^2/NDF: 624915.6/22

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

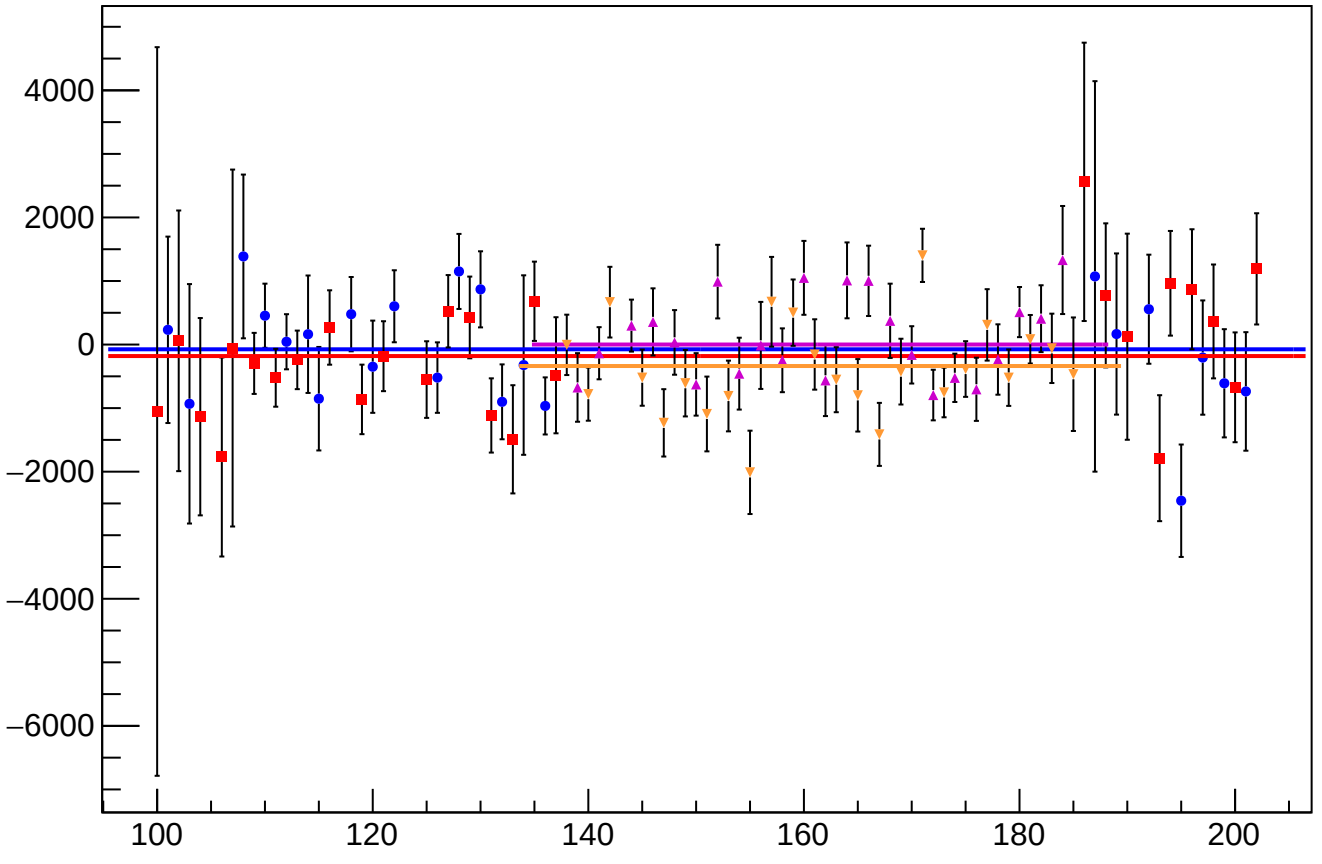
Right Out: 1127.694+/-0.214 χ^2/NDF: 229950.9/26

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

\+ sign 1095.790+/-0.140 χ^2/NDF: 698004.6/46

All: 1098.984+/-0.098 χ^2/NDF: 1006680.3/96

\- sign 1102.056+/-0.137 χ^2/NDF: 307657.3/49



Right In: -74.579+/-148.094 χ^2/NDF: 28.4/22

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: -180.880+/-141.614 χ^2/NDF: 25.2/26

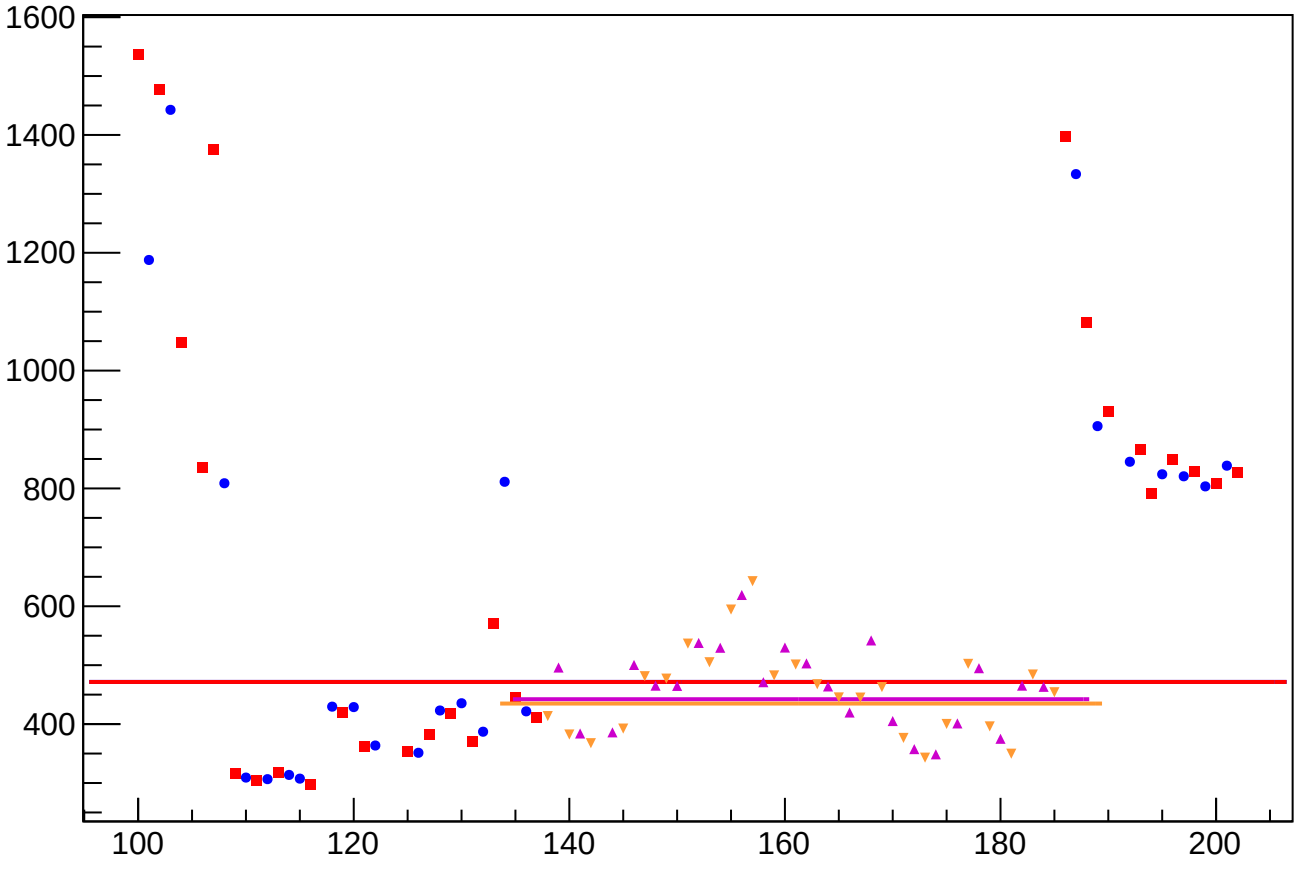
Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -252.383+/-84.338 χ^2/NDF: 79.3/46

All: -157.844+/-59.589 χ^2/NDF: 140.0/96

- sign -63.600+/-84.206 χ^2/NDF: 58.2/49

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 471.592+/-0.105 χ^2/NDF: 4172108.7/22

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 471.505+/-0.100 χ^2/NDF: 5343526.3/26

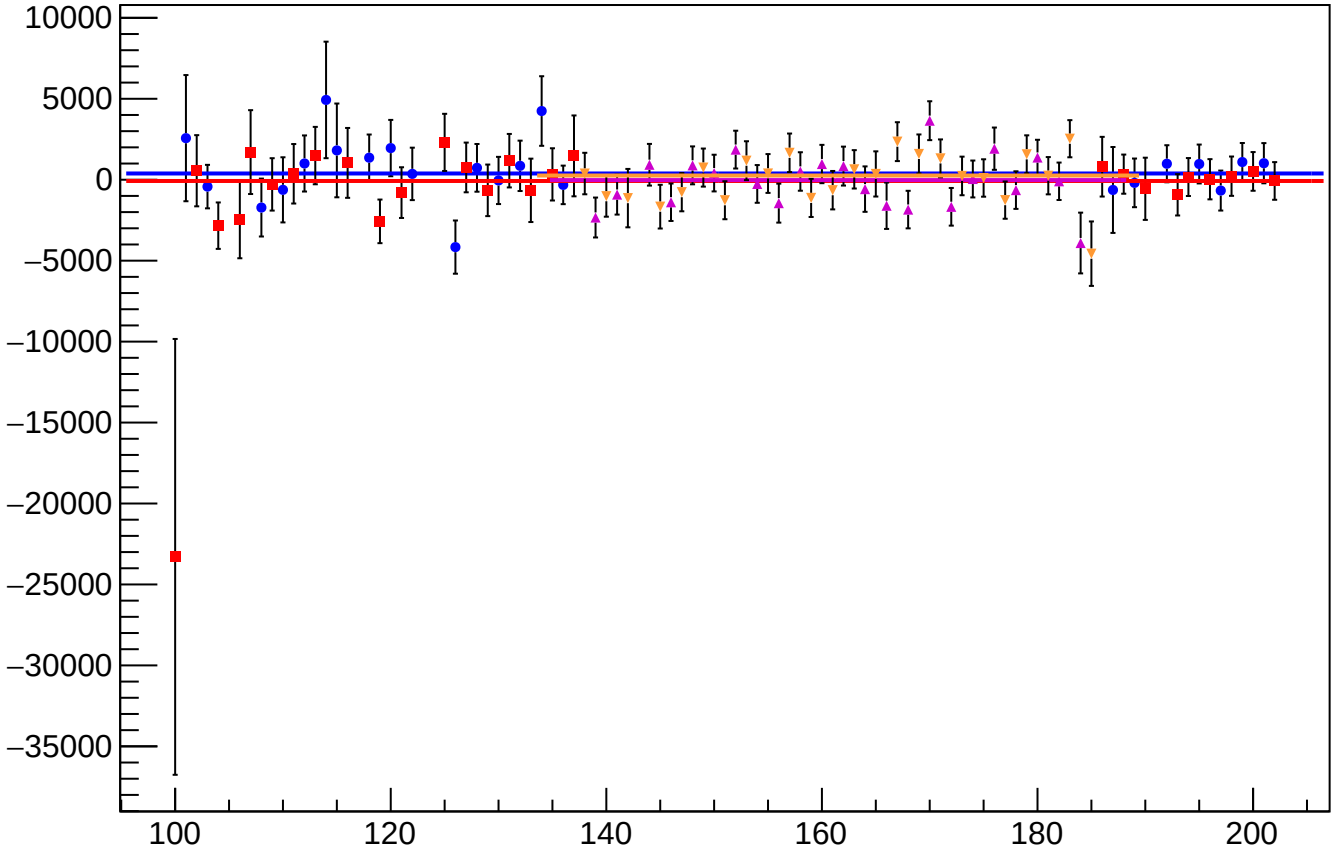
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 446.772+/-0.060 χ^2/NDF: 5133667.7/46

All: 449.674+/-0.042 χ^2/NDF: 11363223.6/96

- sign 452.567+/-0.060 χ^2/NDF: 6224827.5/49

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 385.796+/-322.476 χ^2/NDF: 19.2/22

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -77.270+/-303.474 χ^2/NDF: 17.6/26

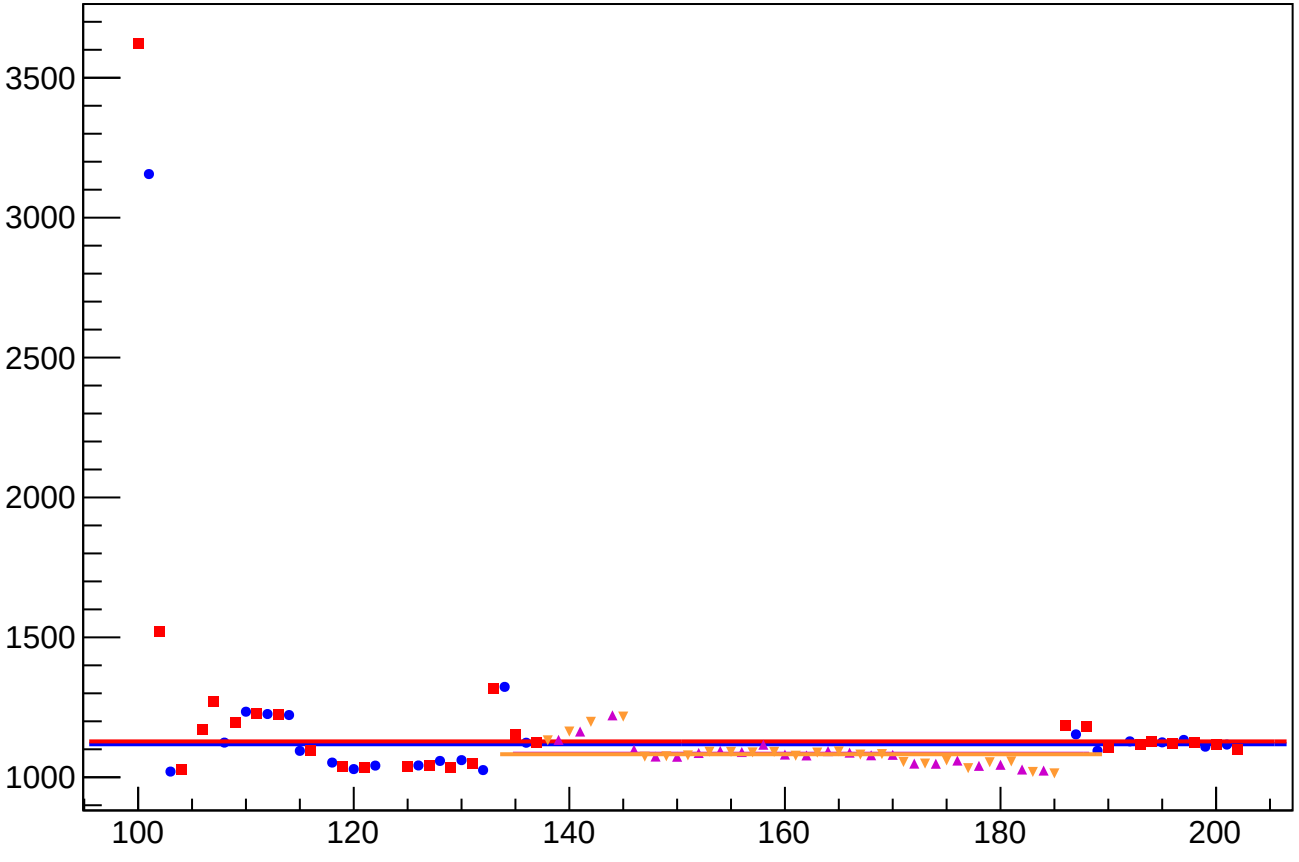
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 307.951+/-198.269 χ^2/NDF: 47.5/46

All: 128.113+/-138.837 χ^2/NDF: 102.5/96

- sign -44.911+/-194.477 χ^2/NDF: 53.4/49

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.973+/-0.228 χ^2/NDF: 624916.6/22

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

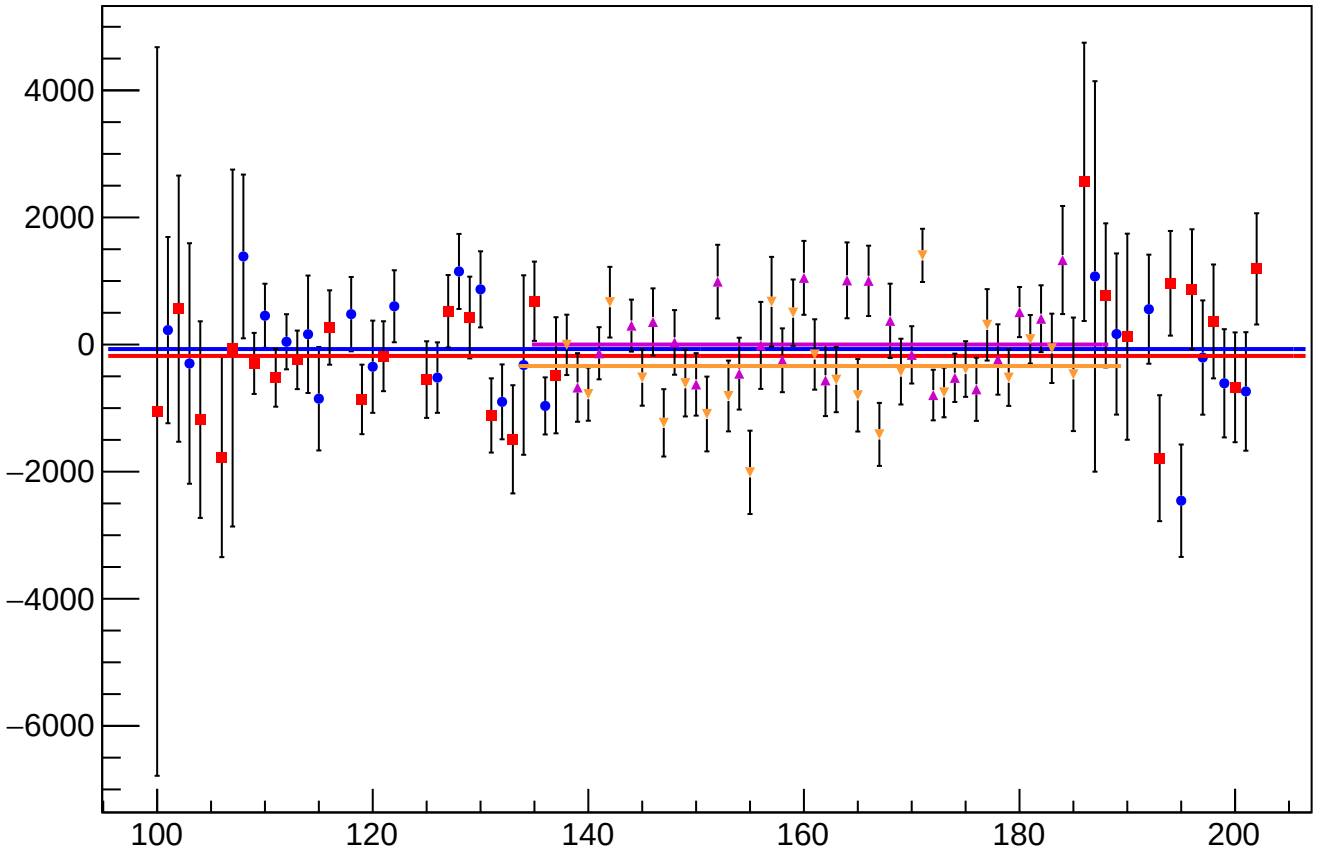
Right Out: 1128.175+/-0.215 χ^2/NDF: 230554.9/26

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

\+ sign 1095.790+/-0.140 χ^2/NDF: 698005.5/46

All: 1099.077+/-0.098 χ^2/NDF: 1007865.2/96

\- sign 1102.239+/-0.138 χ^2/NDF: 308781.1/49



Right In: -70.799+/-148.094 χ^2/NDF: 28.2/22

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: -178.935+/-141.632 χ^2/NDF: 25.4/26

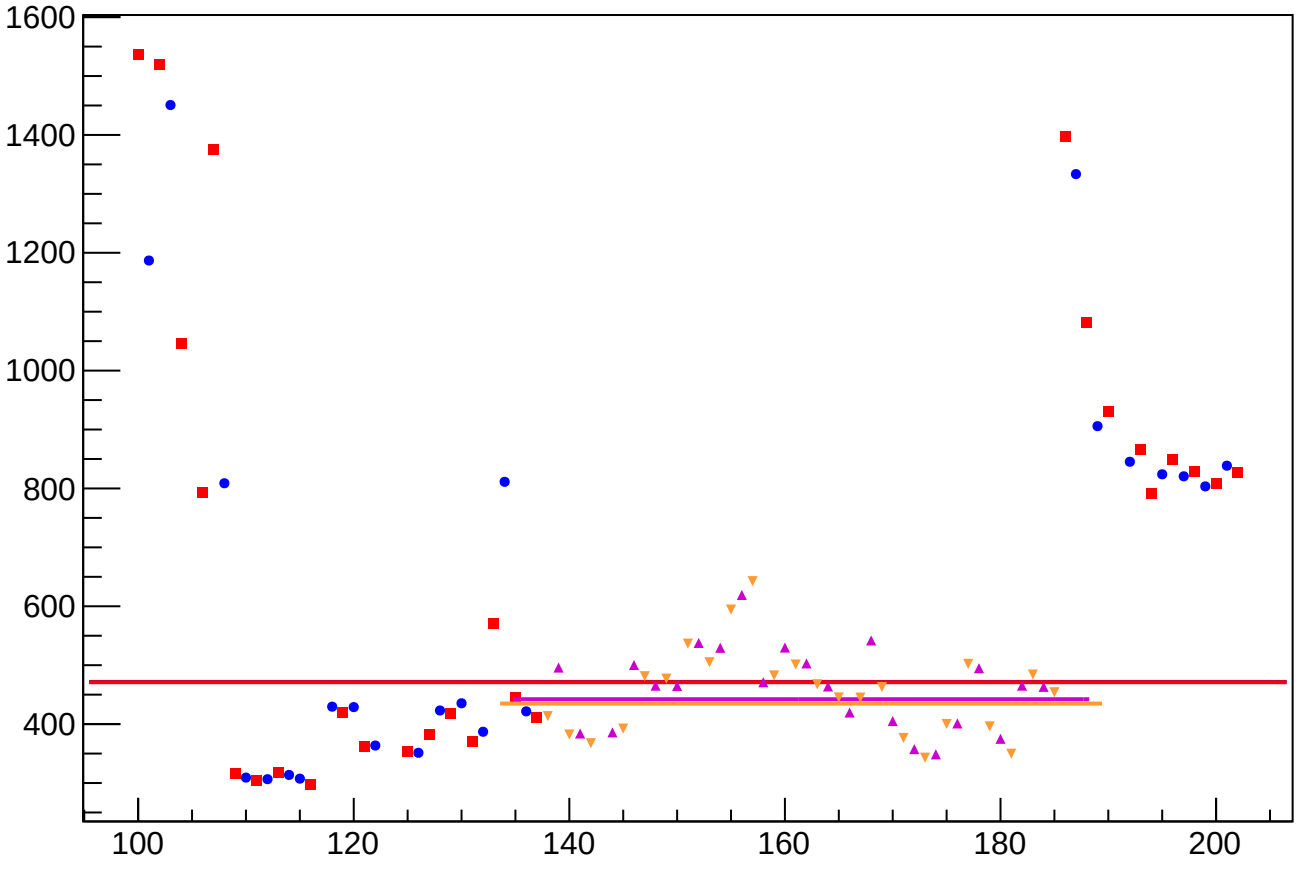
Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -251.218+/-84.338 χ^2/NDF: 79.2/46

All: -156.911+/-59.591 χ^2/NDF: 140.0/96

- sign -62.889+/-84.210 χ^2/NDF: 58.3/49

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 471.583+/-0.105 χ^2/NDF: 4175903.8/22

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 471.144+/-0.100 χ^2/NDF: 5337930.8/26

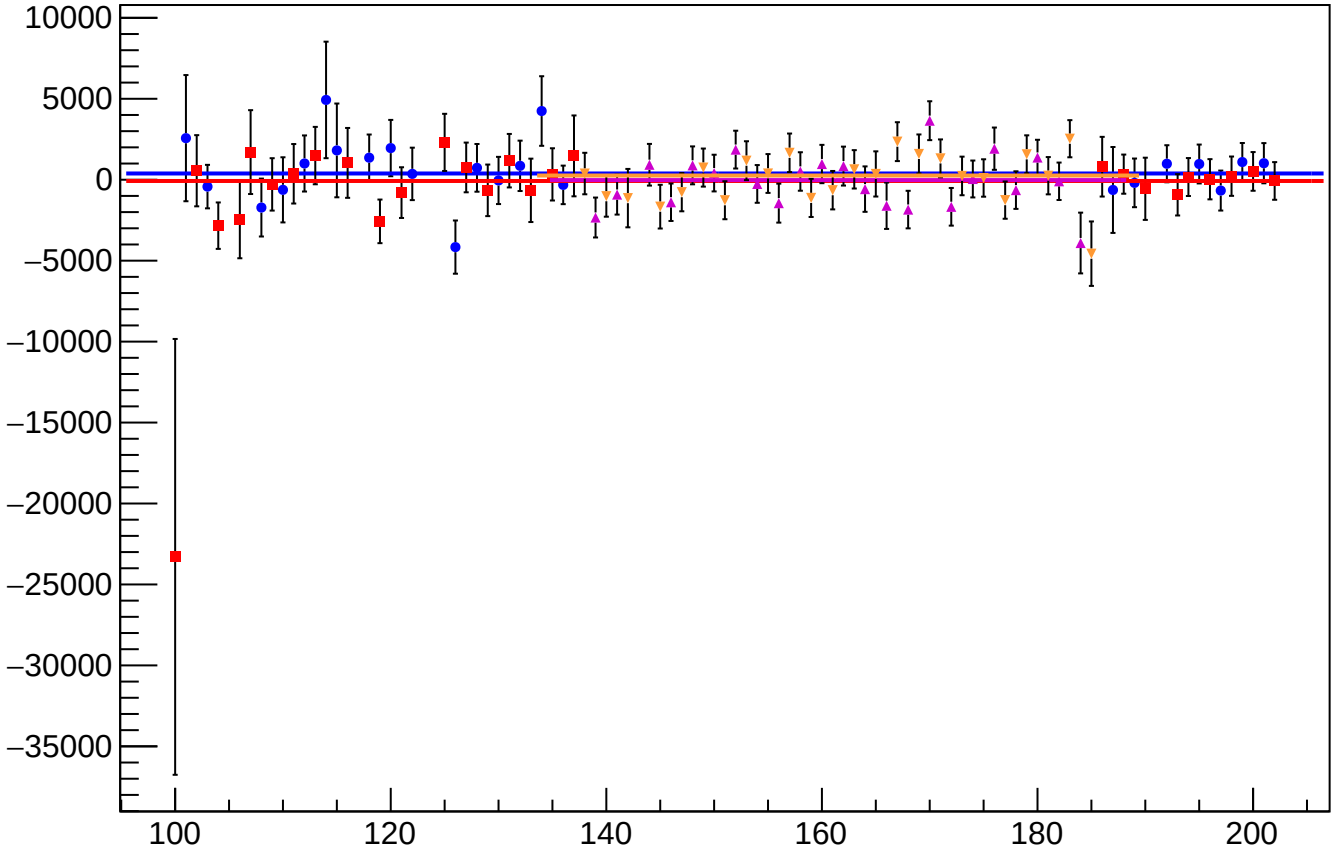
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 446.767+/-0.060 χ^2/NDF: 5137523.2/46

All: 449.607+/-0.042 χ^2/NDF: 11359788.8/96

- sign 452.438+/-0.060 χ^2/NDF: 6217737.0/49

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 385.796+/-322.476 χ^2/NDF: 19.2/22

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -77.270+/-303.474 χ^2/NDF: 17.6/26

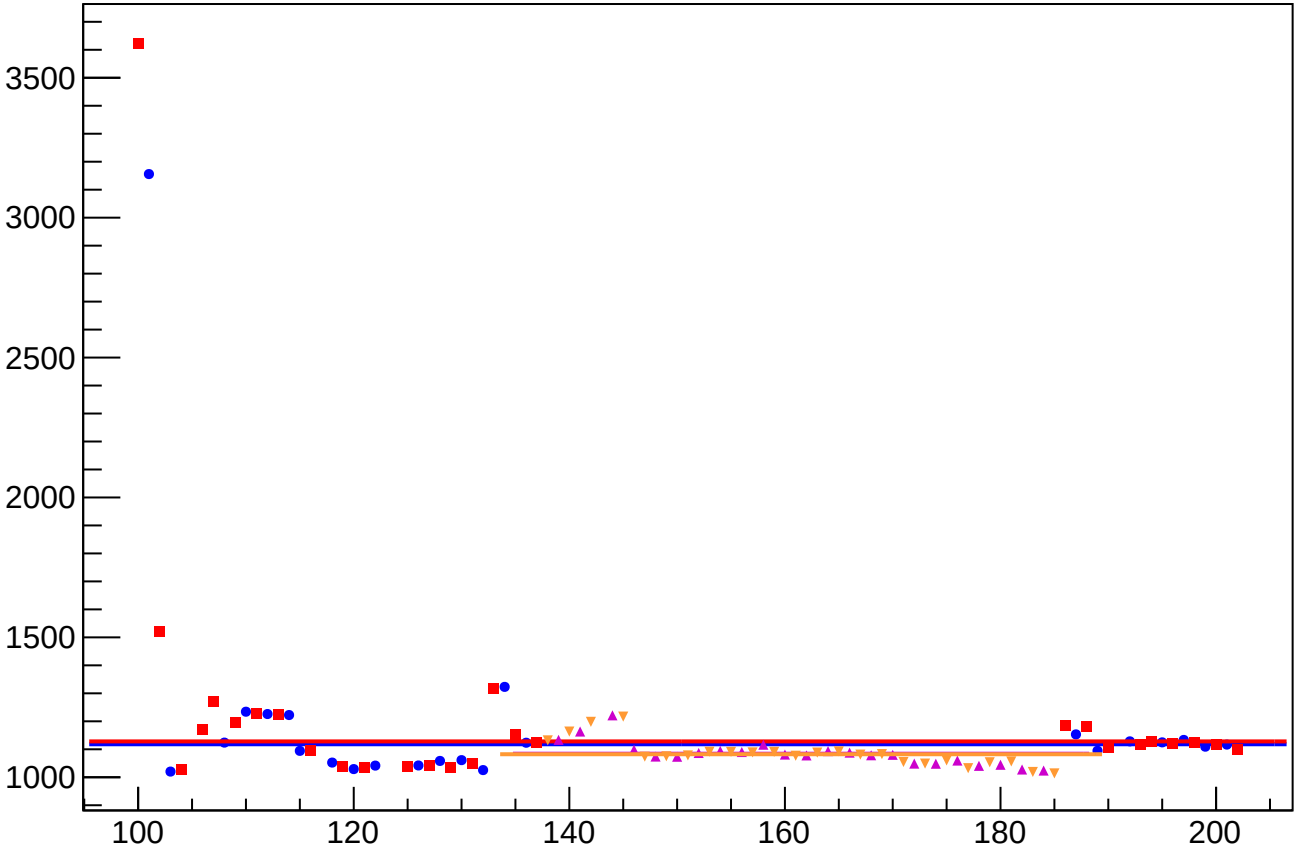
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 307.951+/-198.269 χ^2/NDF: 47.5/46

All: 128.113+/-138.837 χ^2/NDF: 102.5/96

- sign -44.911+/-194.477 χ^2/NDF: 53.4/49

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.973+/-0.228 χ^2/NDF: 624916.6/22

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

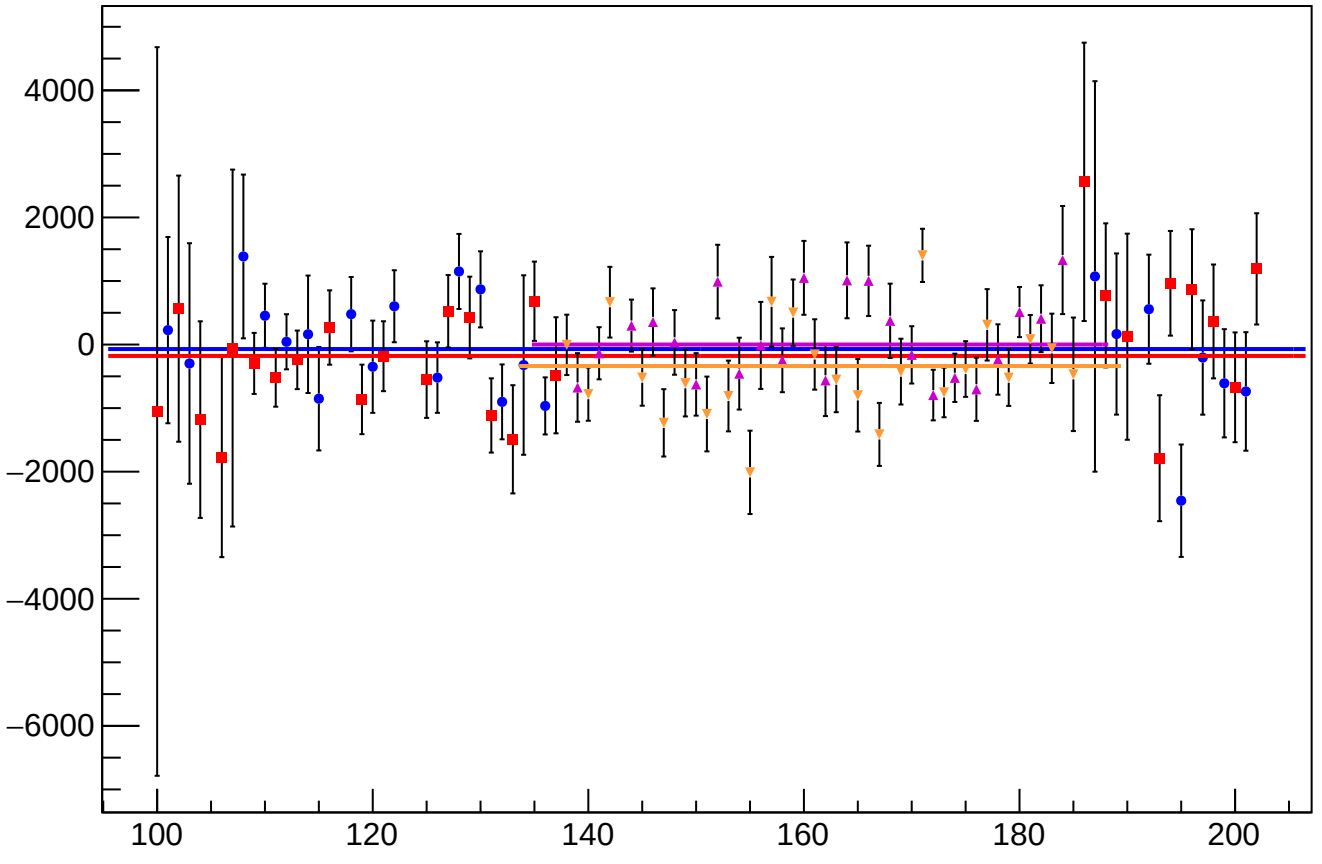
Right Out: 1128.175+/-0.215 χ^2/NDF: 230554.9/26

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

\+ sign 1095.790+/-0.140 χ^2/NDF: 698005.5/46

All: 1099.077+/-0.098 χ^2/NDF: 1007865.2/96

\- sign 1102.239+/-0.138 χ^2/NDF: 308781.1/49



Right In: -70.799+/-148.094 χ^2/NDF: 28.2/22

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

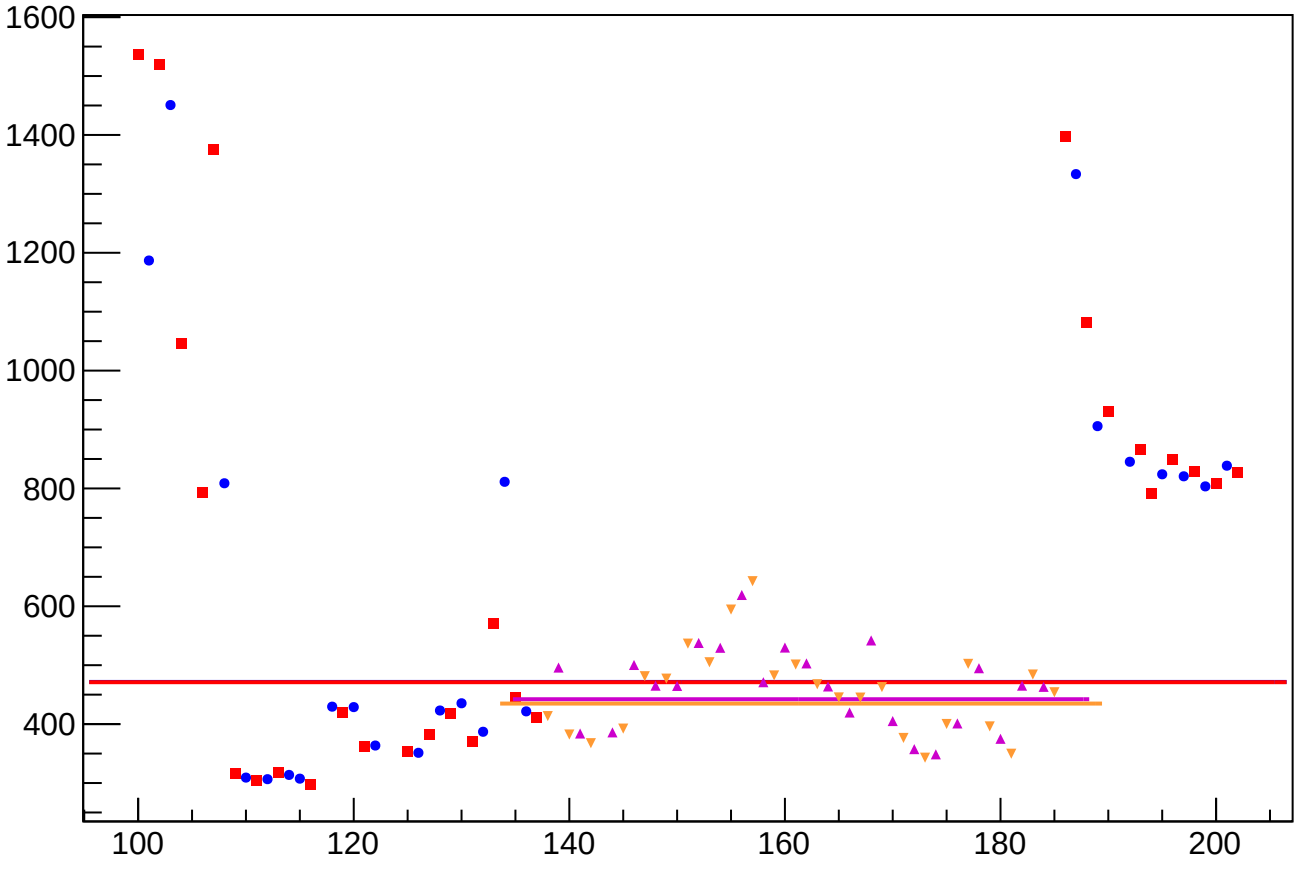
Right Out: -178.935+/-141.632 χ^2/NDF: 25.4/26

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -251.218+/-84.338 χ^2/NDF: 79.2/46

All: -156.911+/-59.591 χ^2/NDF: 140.0/96

- sign -62.889+/-84.210 χ^2/NDF: 58.3/49



Right In: 471.583+/-0.105 χ^2/NDF: 4175903.8/22

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 471.144+/-0.100 χ^2/NDF: 5337930.8/26

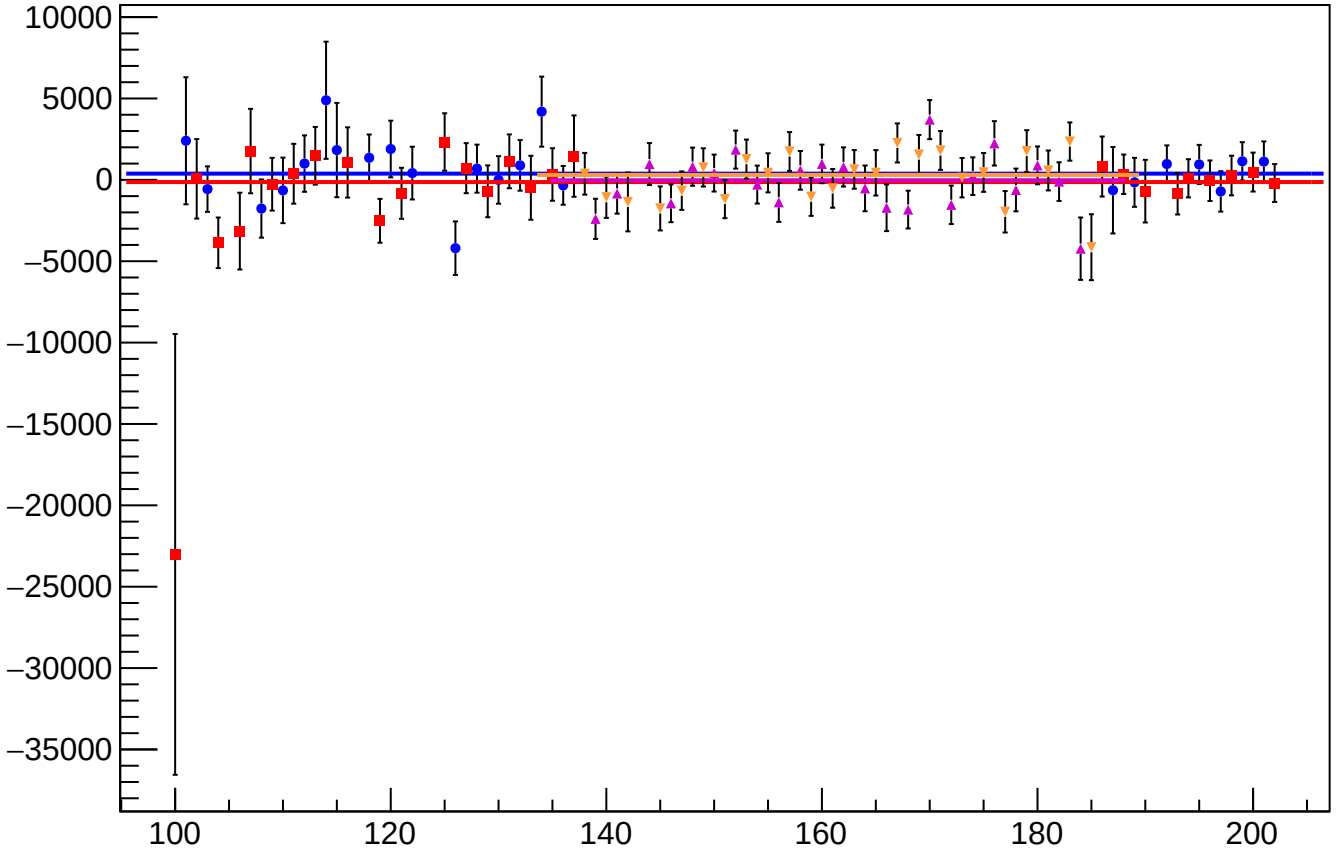
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 446.767+/-0.060 χ^2/NDF: 5137523.2/46

All: 449.607+/-0.042 χ^2/NDF: 11359788.8/96

- sign 452.438+/-0.060 χ^2/NDF: 6217737.0/49

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 381.552+/-323.582 χ^2/NDF: 19.4/22

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -134.378+/-305.265 χ^2/NDF: 20.1/26

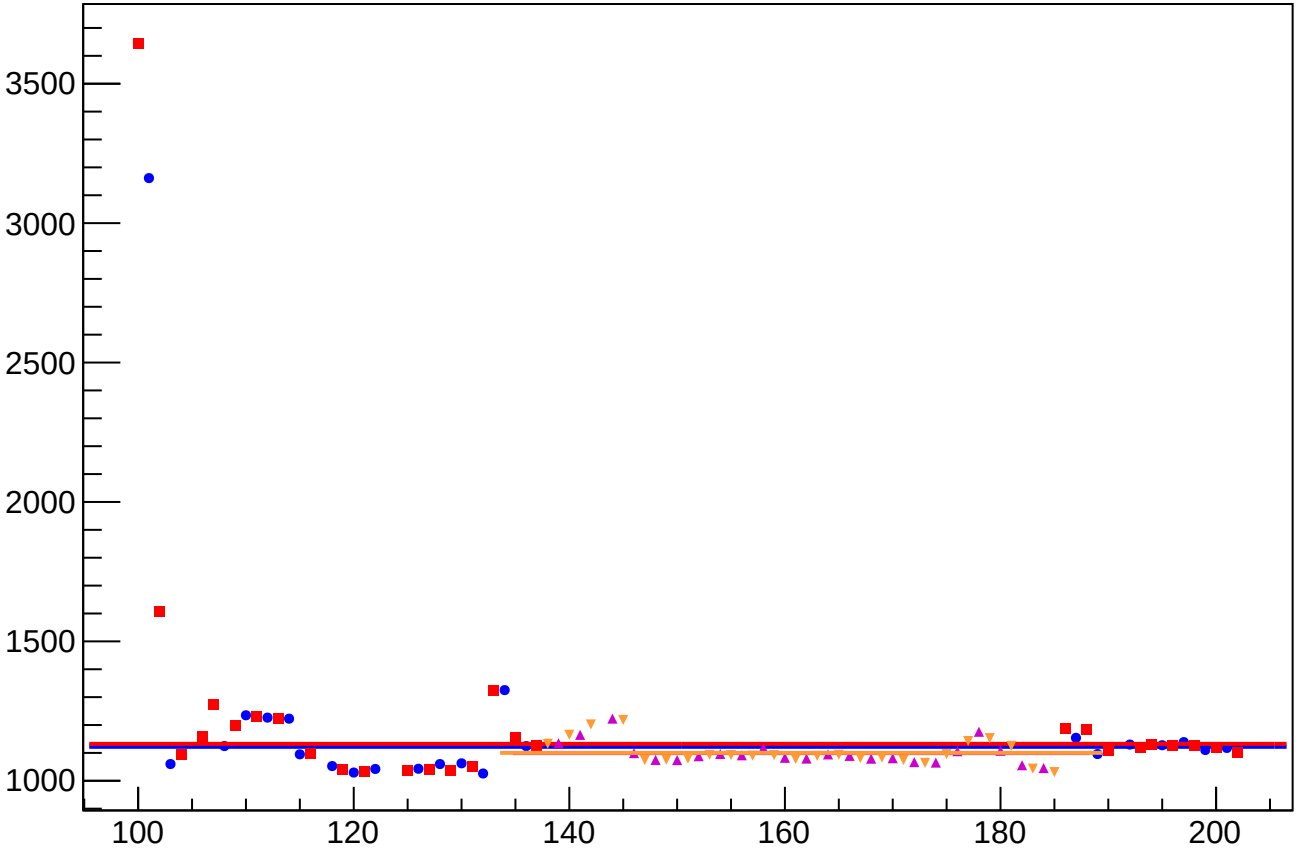
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 333.423+/-200.552 χ^2/NDF: 47.9/46

All: 127.370+/-140.373 χ^2/NDF: 105.9/96

- sign -70.527+/-196.543 χ^2/NDF: 56.0/49

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.872+/-0.229 χ^2/NDF: 618646.1/22

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

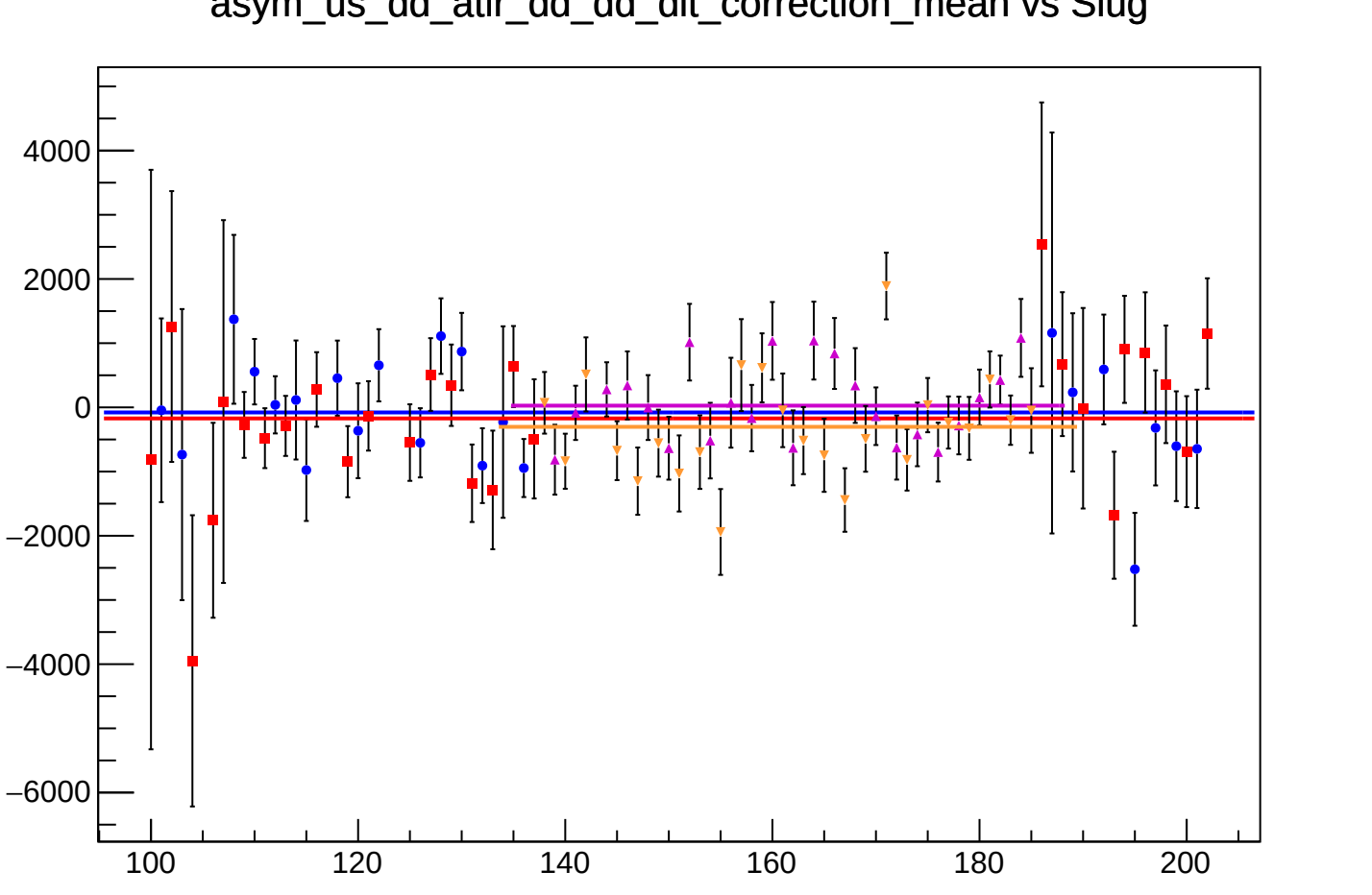
Right Out: 1132.457+/-0.216 χ^2/NDF: 235099.8/26

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1108.561+/-0.142 χ^2/NDF: 672915.7/46

All: 1110.861+/-0.099 χ^2/NDF: 967096.3/96

- sign 1113.069+/-0.139 χ^2/NDF: 293665.0/49



Right In: -79.024+/-148.428 χ^2/NDF: 29.4/22

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -172.332+/-143.540 χ^2/NDF: 25.8/26

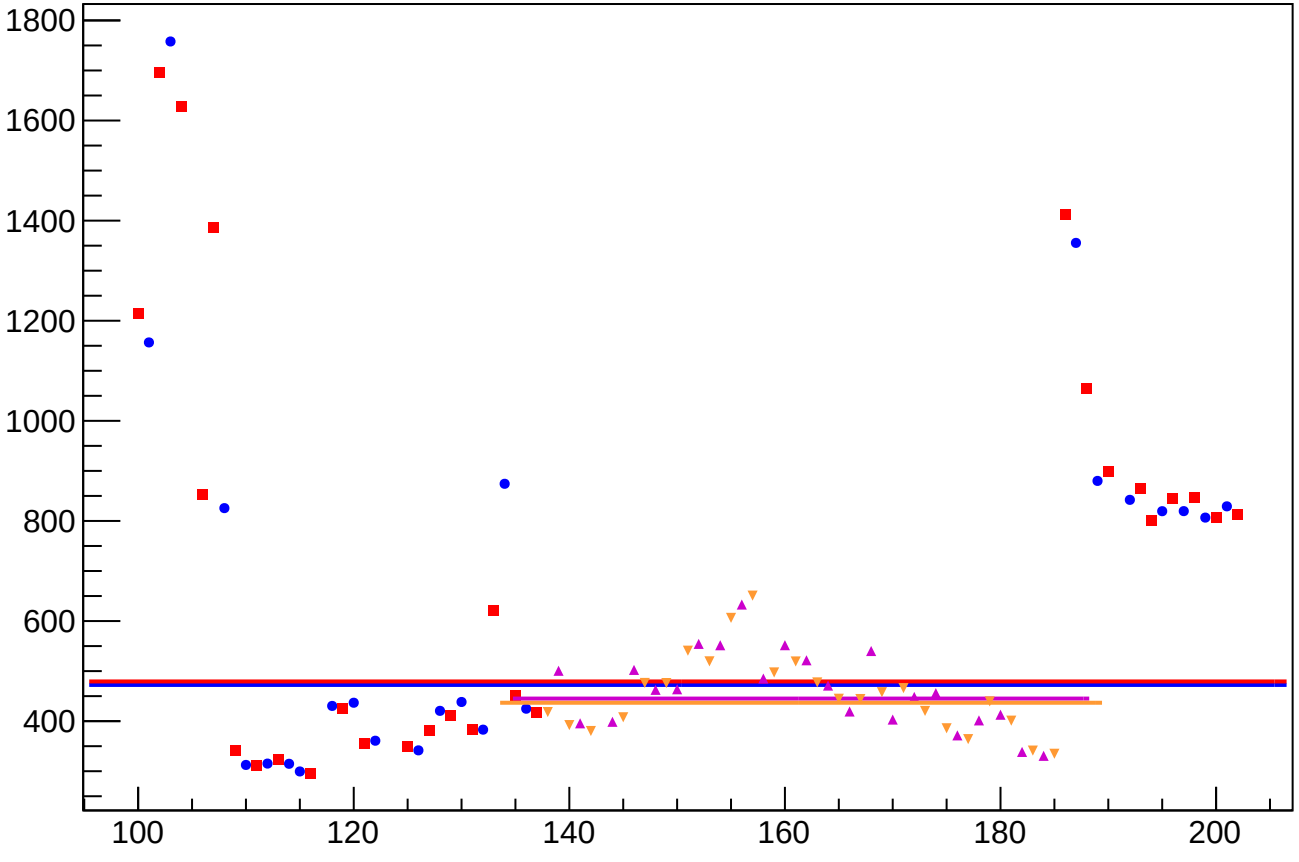
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -230.367+/-84.610 χ^2/NDF: 80.4/46

All: -137.085+/-59.954 χ^2/NDF: 137.8/96

- sign -43.014+/-84.967 χ^2/NDF: 55.0/49

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 472.388+/-0.105 χ^2/NDF: 4260947.6/22

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 479.342+/-0.101 χ^2/NDF: 5657912.2/26

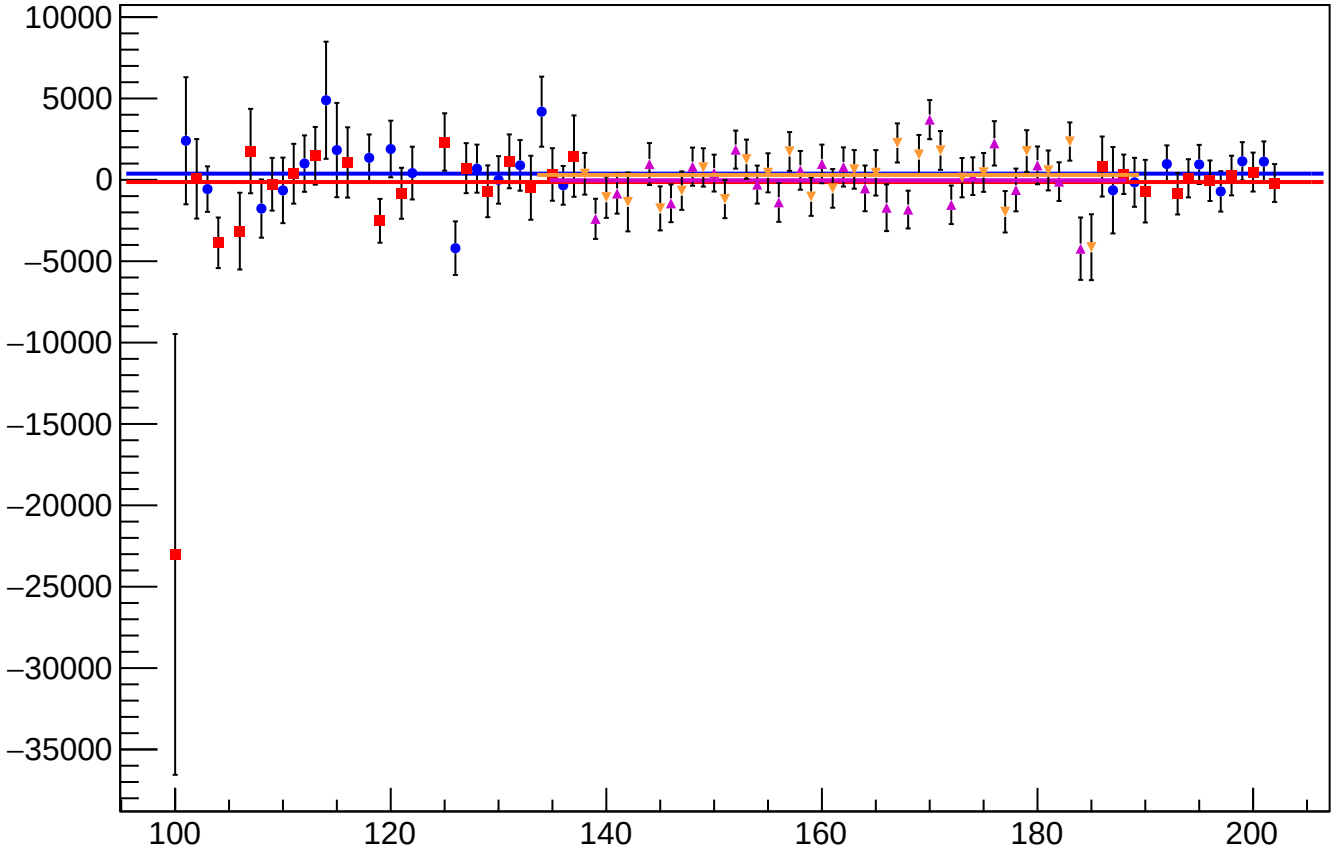
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 448.355+/-0.060 χ^2/NDF: 5193826.0/46

All: 452.711+/-0.042 χ^2/NDF: 11810817.0/96

- sign 457.104+/-0.060 χ^2/NDF: 6606344.9/49

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 381.554+/-323.582 χ^2/NDF: 19.4/22

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -134.378+/-305.265 χ^2/NDF: 20.1/26

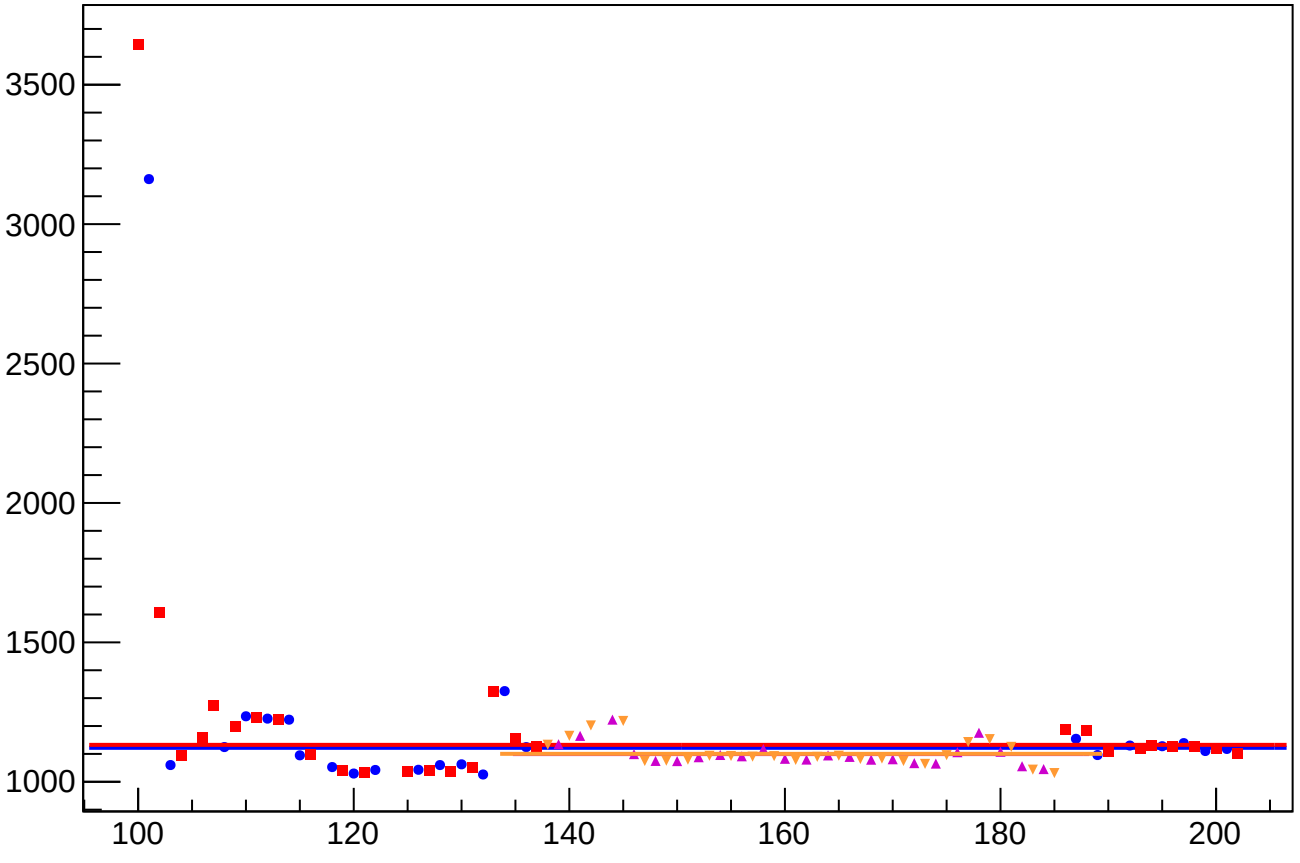
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 333.423+/-200.552 χ^2/NDF: 47.9/46

All: 127.369+/-140.373 χ^2/NDF: 105.9/96

- sign -70.528+/-196.543 χ^2/NDF: 56.0/49

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.872+/-0.229 χ^2/NDF: 618646.1/22

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

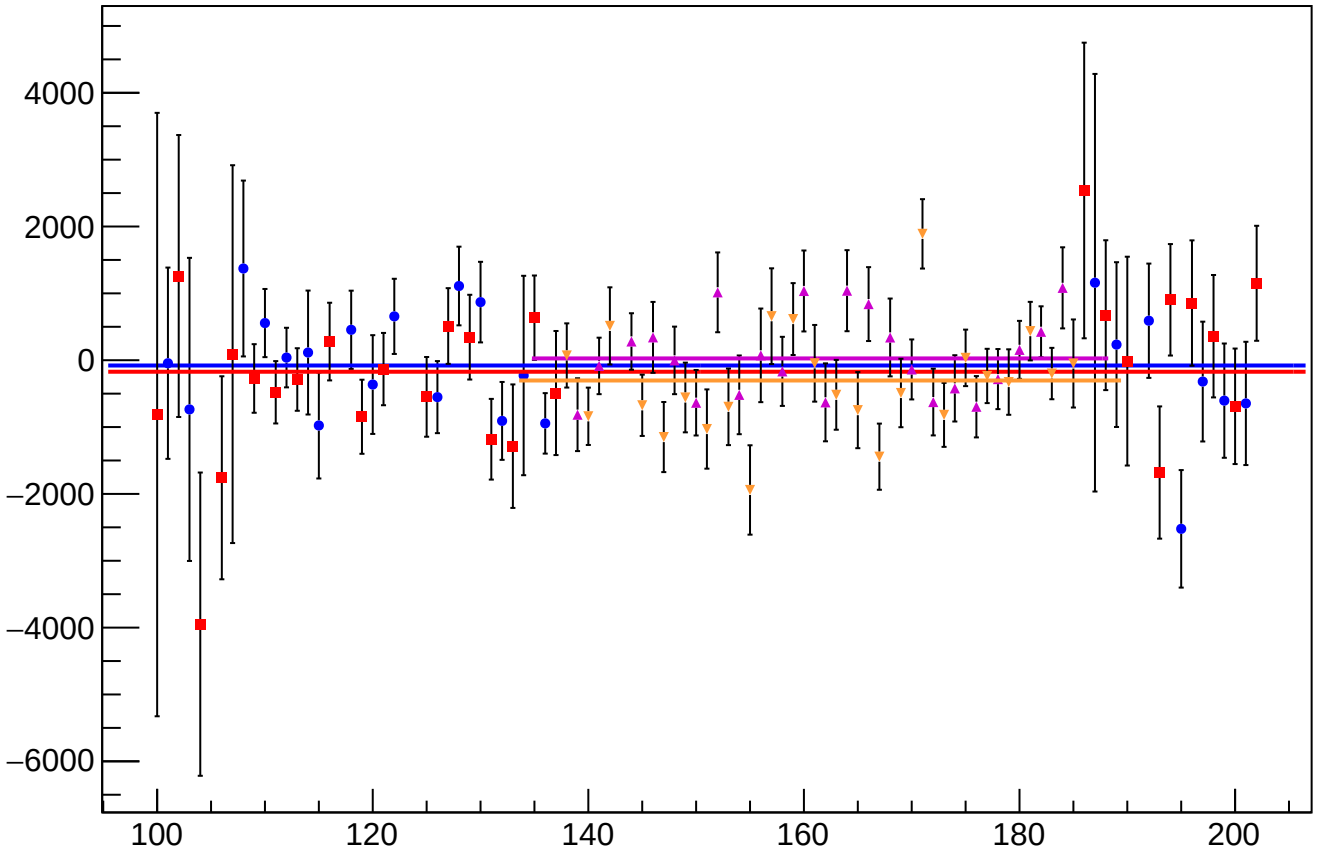
Right Out: 1132.457+/-0.216 χ^2/NDF: 235099.8/26

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1108.561+/-0.142 χ^2/NDF: 672915.9/46

All: 1110.861+/-0.099 χ^2/NDF: 967096.7/96

- sign 1113.069+/-0.139 χ^2/NDF: 293665.2/49



Right In: -79.026+/-148.427 χ^2/NDF: 29.4/22

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

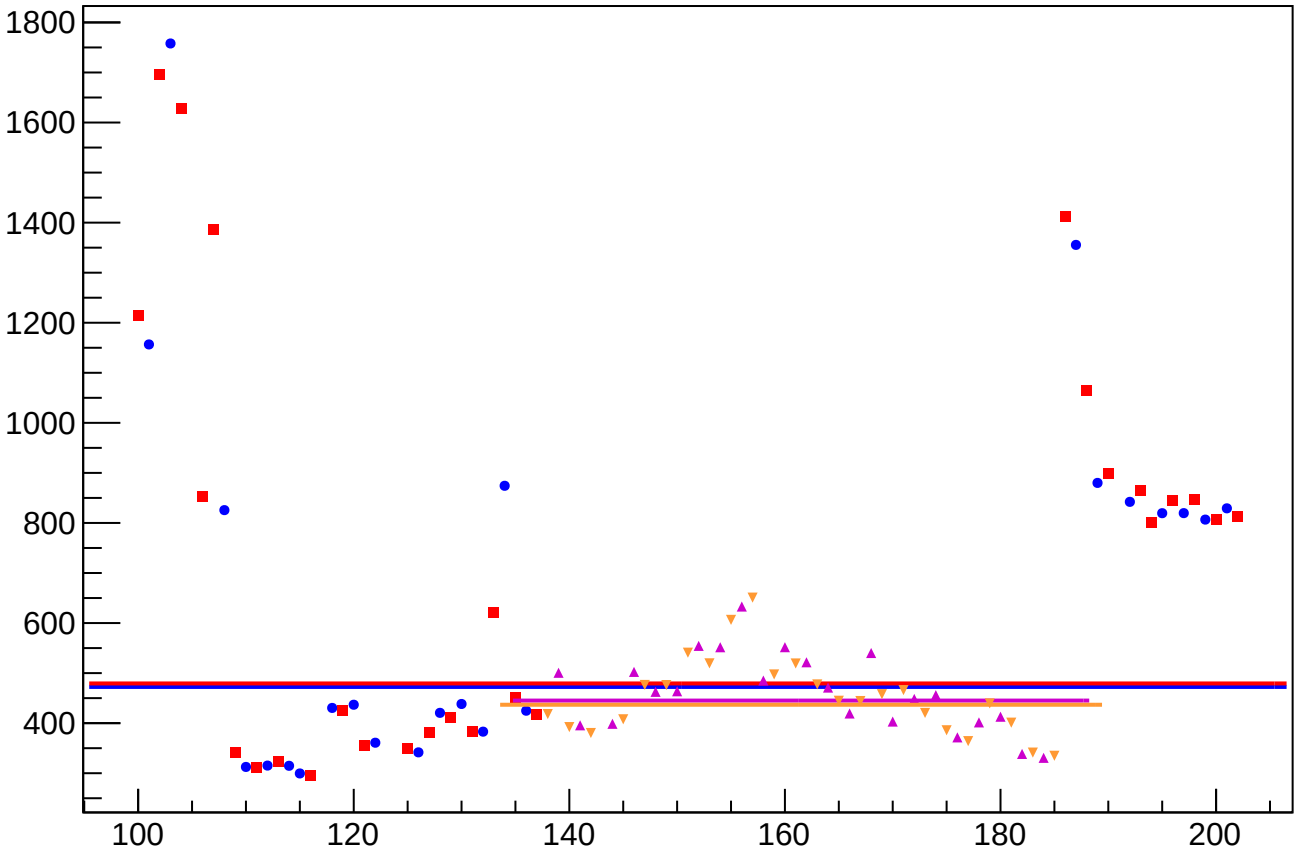
Right Out: -172.331+/-143.539 χ^2/NDF: 25.8/26

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -230.367+/-84.609 χ^2/NDF: 80.4/46

All: -137.085+/-59.954 χ^2/NDF: 137.8/96

- sign -43.014+/-84.967 χ^2/NDF: 55.0/49



Right In: 472.385+/-0.105 χ^2/NDF: 4260987.5/22

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 479.338+/-0.101 χ^2/NDF: 5657972.4/26

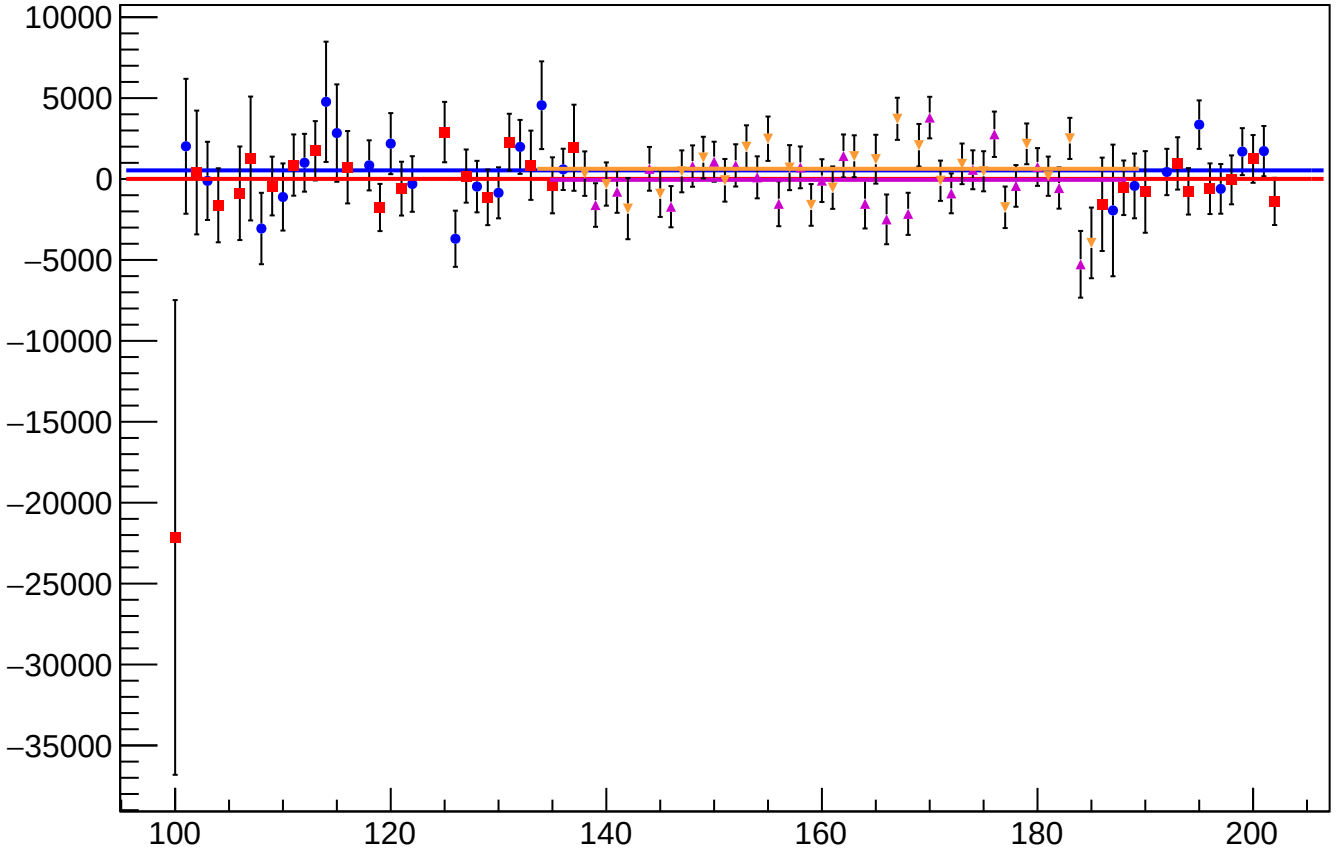
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 448.354+/-0.060 χ^2/NDF: 5193883.7/46

All: 452.710+/-0.042 χ^2/NDF: 11810955.3/96

- sign 457.102+/-0.060 χ^2/NDF: 6606425.9/49

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 535.009+/-378.034 χ^2/NDF: 22.5/22

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 8.558+/-361.444 χ^2/NDF: 14.0/26

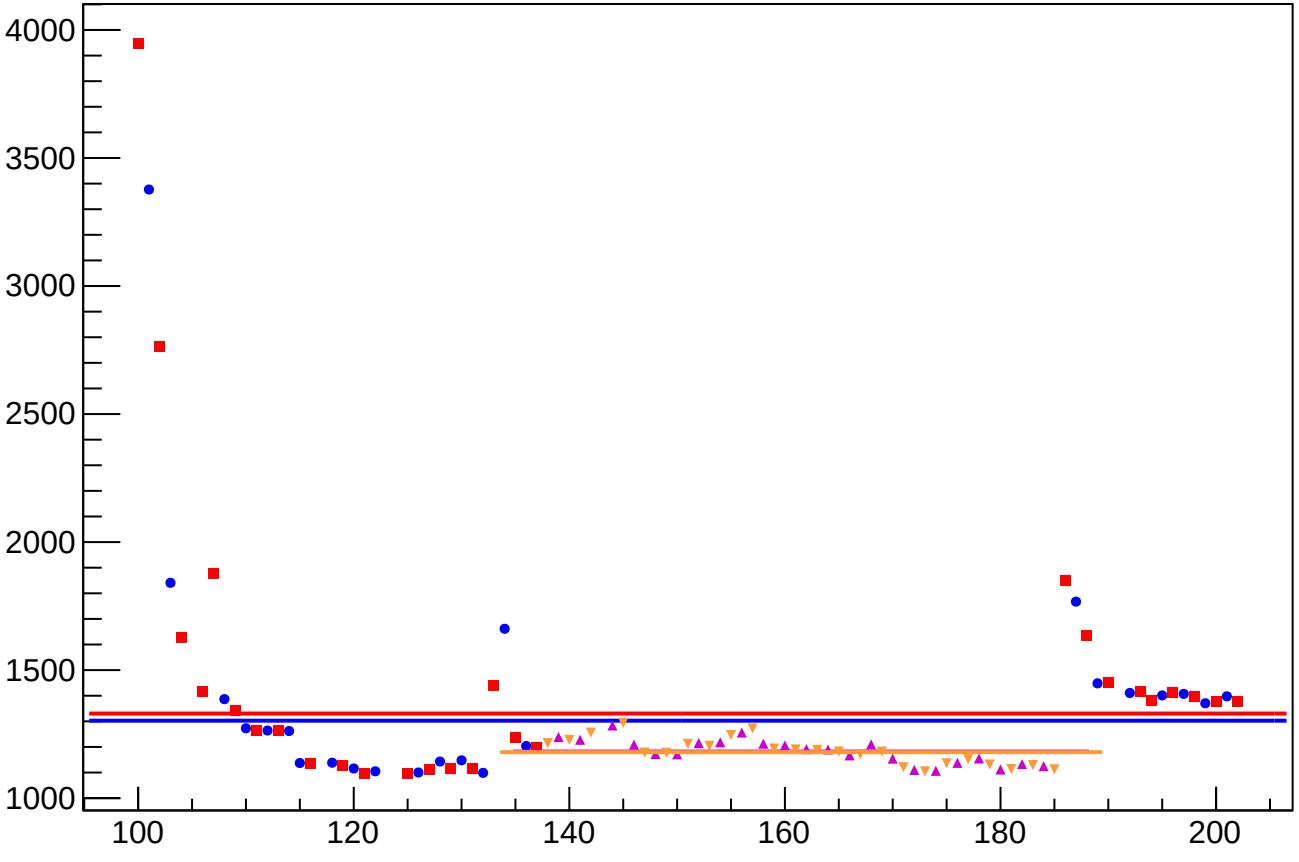
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 599.159+/-221.886 χ^2/NDF: 52.7/46

All: 281.667+/-156.034 χ^2/NDF: 105.8/96

- sign -28.938+/-219.466 χ^2/NDF: 49.1/49

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1302.574+/-0.267 χ^2/NDF: 895266.8/22

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

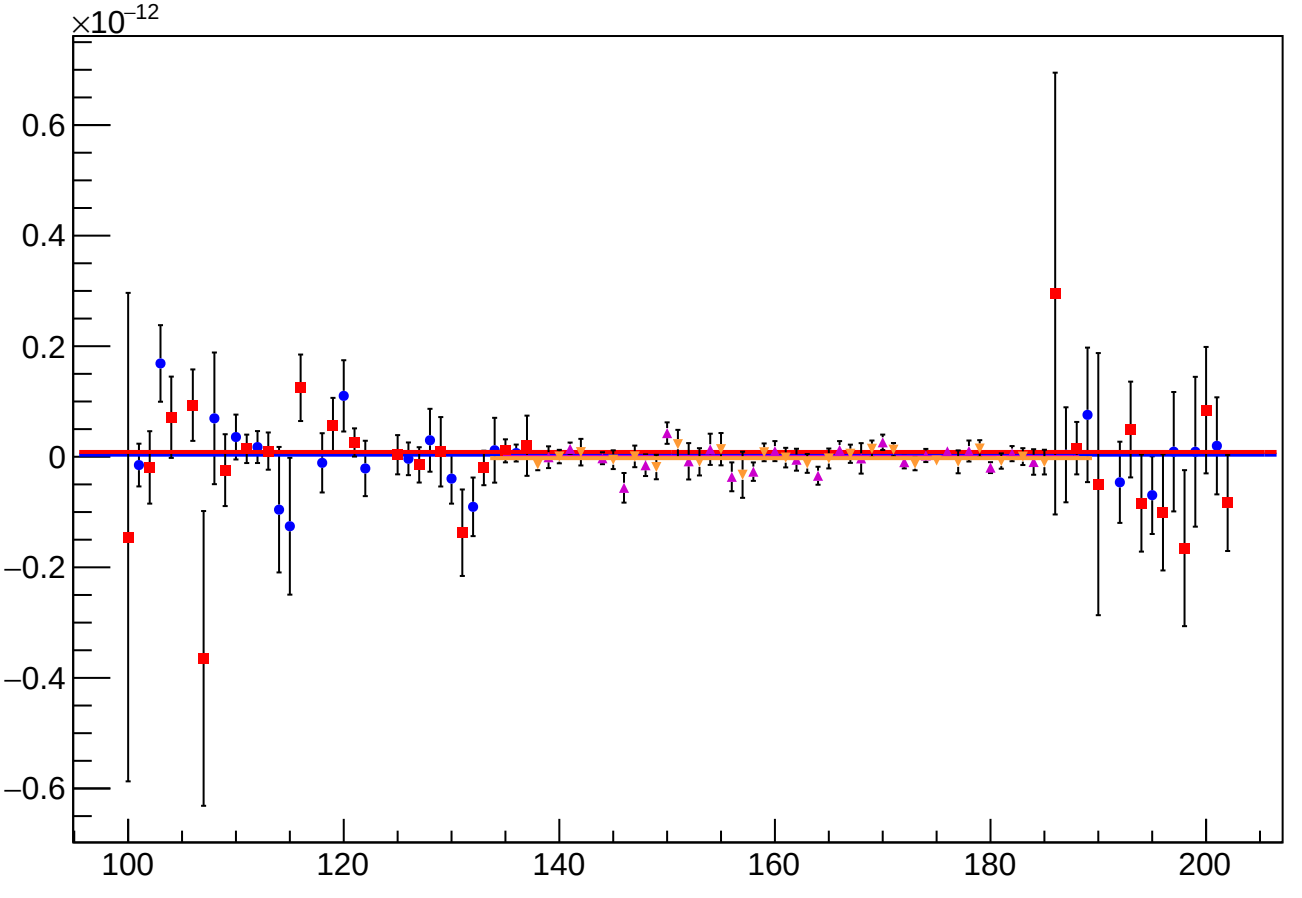
Right Out: 1330.358+/-0.256 χ^2/NDF: 820776.8/26

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1222.040+/-0.157 χ^2/NDF: 1098408.0/46

All: 1229.426+/-0.110 χ^2/NDF: 2196854.9/96

\- sign 1236.652+/-0.155 χ^2/NDF: 1094062.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

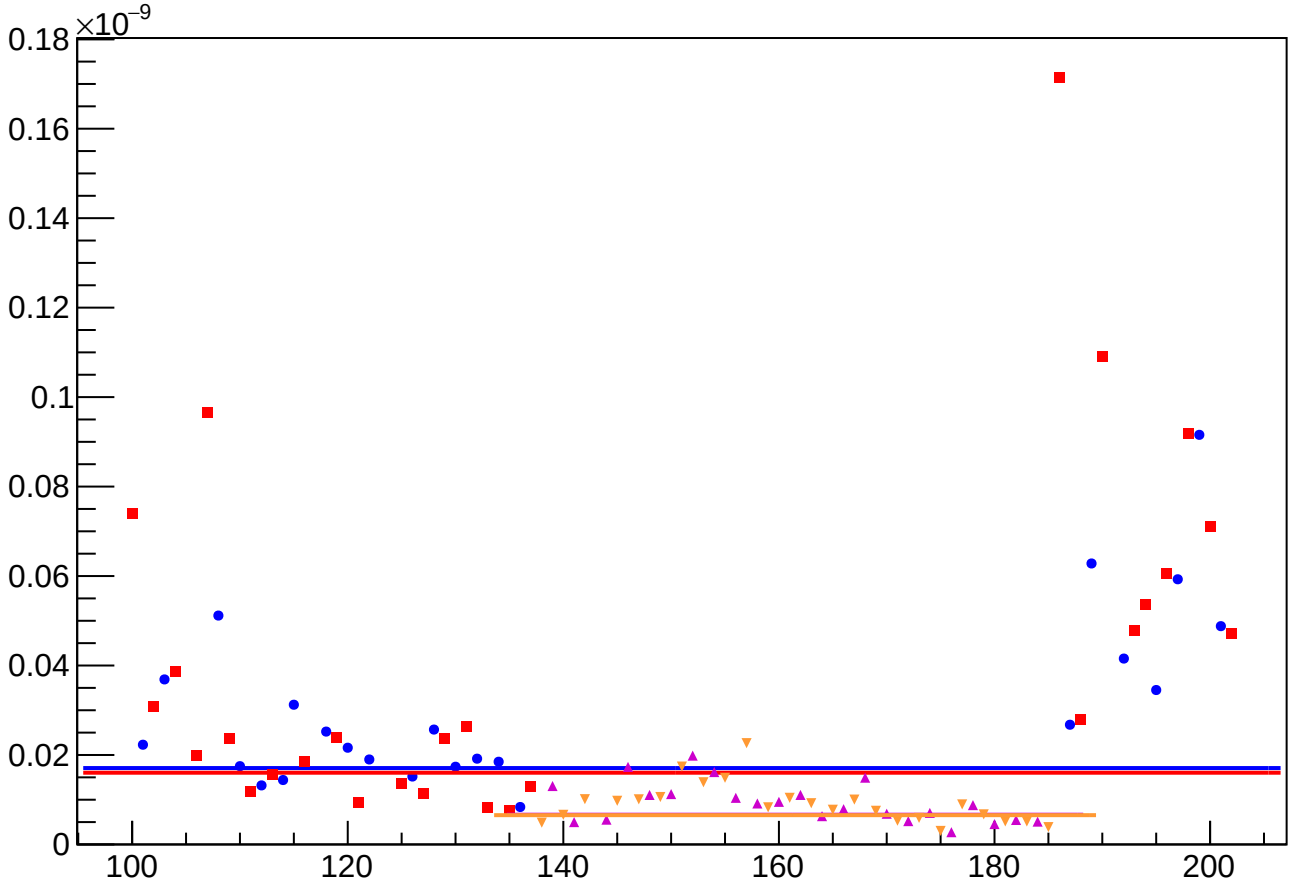
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/26

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.2/46

All: -0.000+/-0.000 χ^2/NDF: 84.2/96

- sign 0.000+/-0.000 χ^2/NDF: 54.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 3015279.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

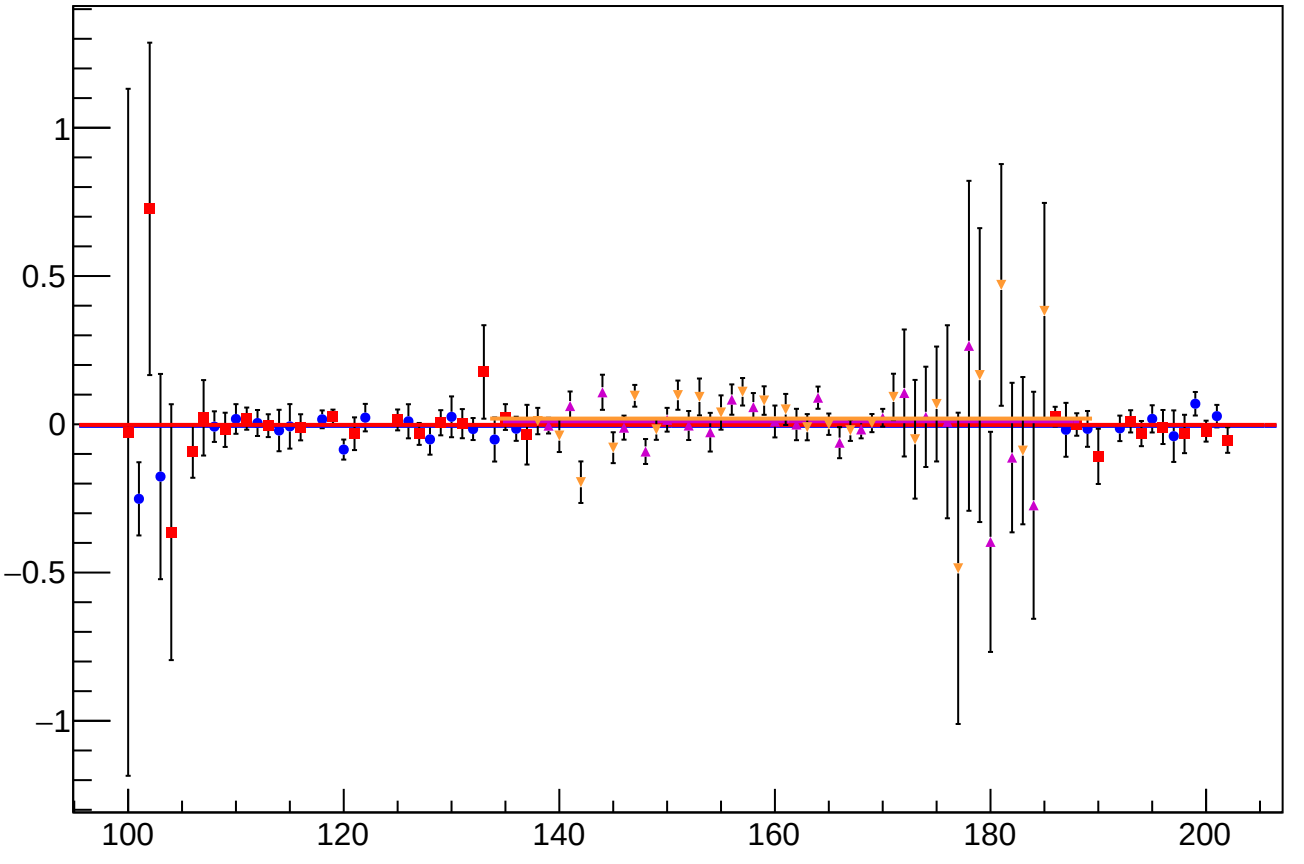
Right Out: 0.000+/-0.000 χ^2/NDF: 4407450.8/26

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7674304.9/46

All: 0.000+/-0.000 χ^2/NDF: 16592175.8/96

- sign 0.000+/-0.000 χ^2/NDF: 8917063.3/49



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

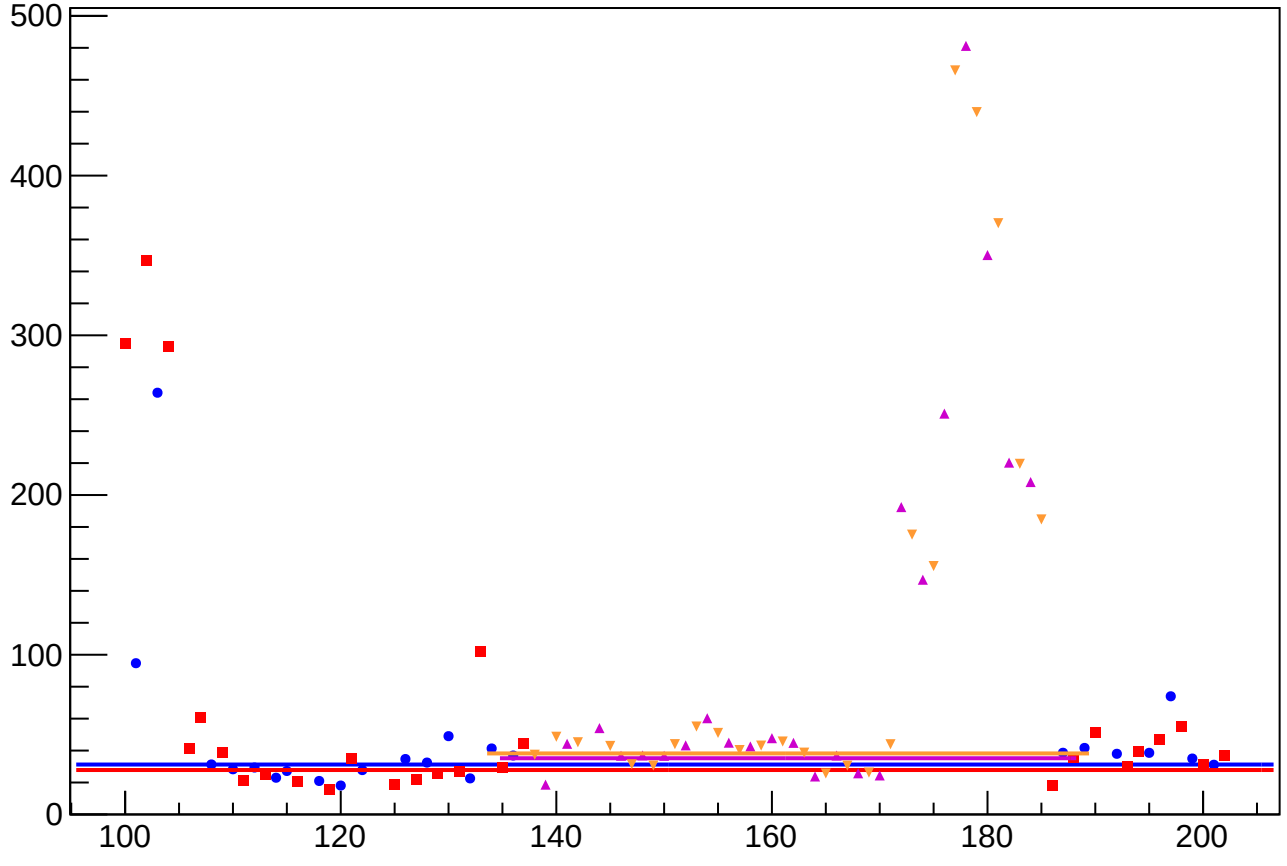
Right Out: -0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.006+/-0.007 χ^2/NDF: 56.1/46

All: 0.005+/-0.005 χ^2/NDF: 93.3/96

- sign 0.003+/-0.007 χ^2/NDF: 37.2/49



Right In: 31.258+/-0.007 χ^2/NDF: 3026195.5/22

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

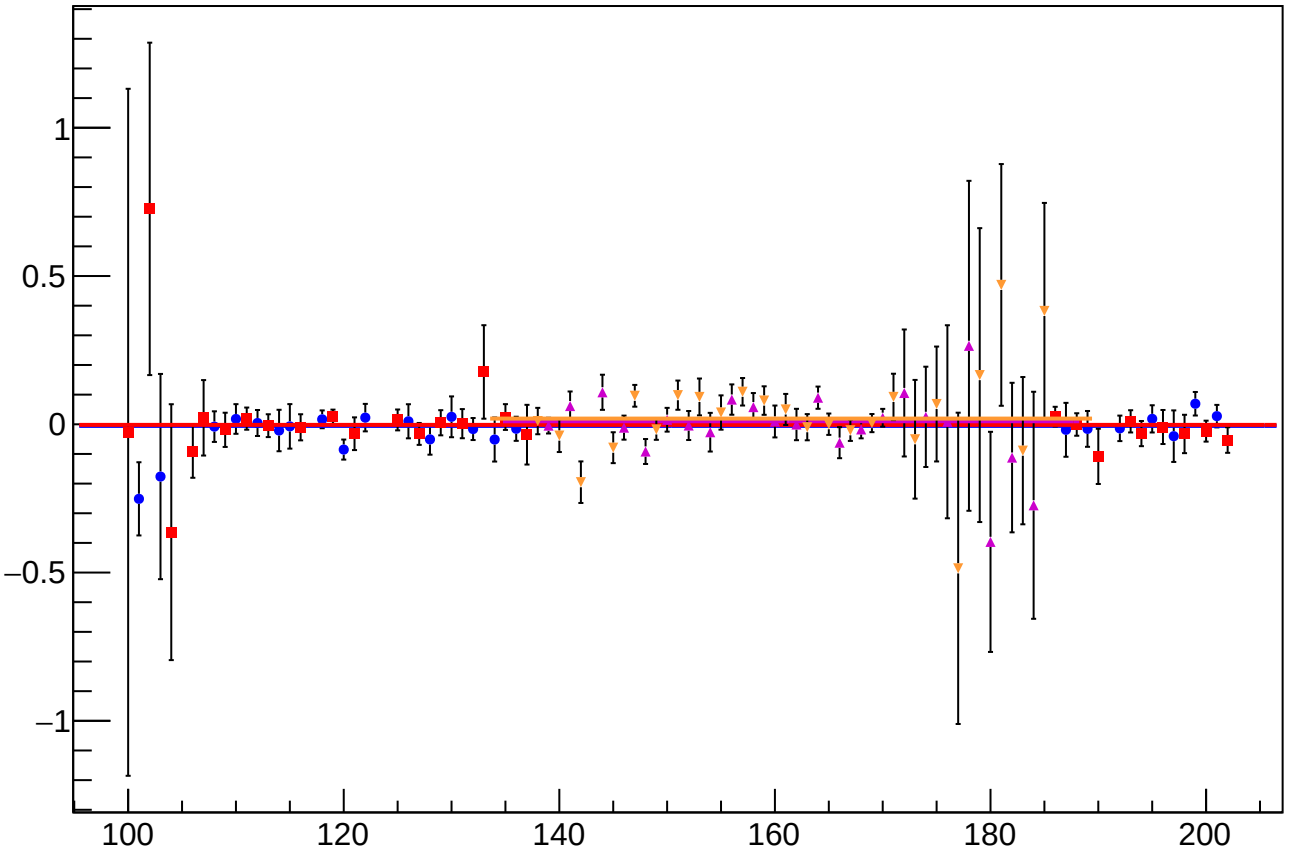
Right Out: 27.821+/-0.006 χ^2/NDF: 4341493.9/26

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.558+/-0.005 χ^2/NDF: 11746062.8/46

All: 32.604+/-0.004 χ^2/NDF: 26316542.1/96

- sign 31.002+/-0.005 χ^2/NDF: 14319657.3/49



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

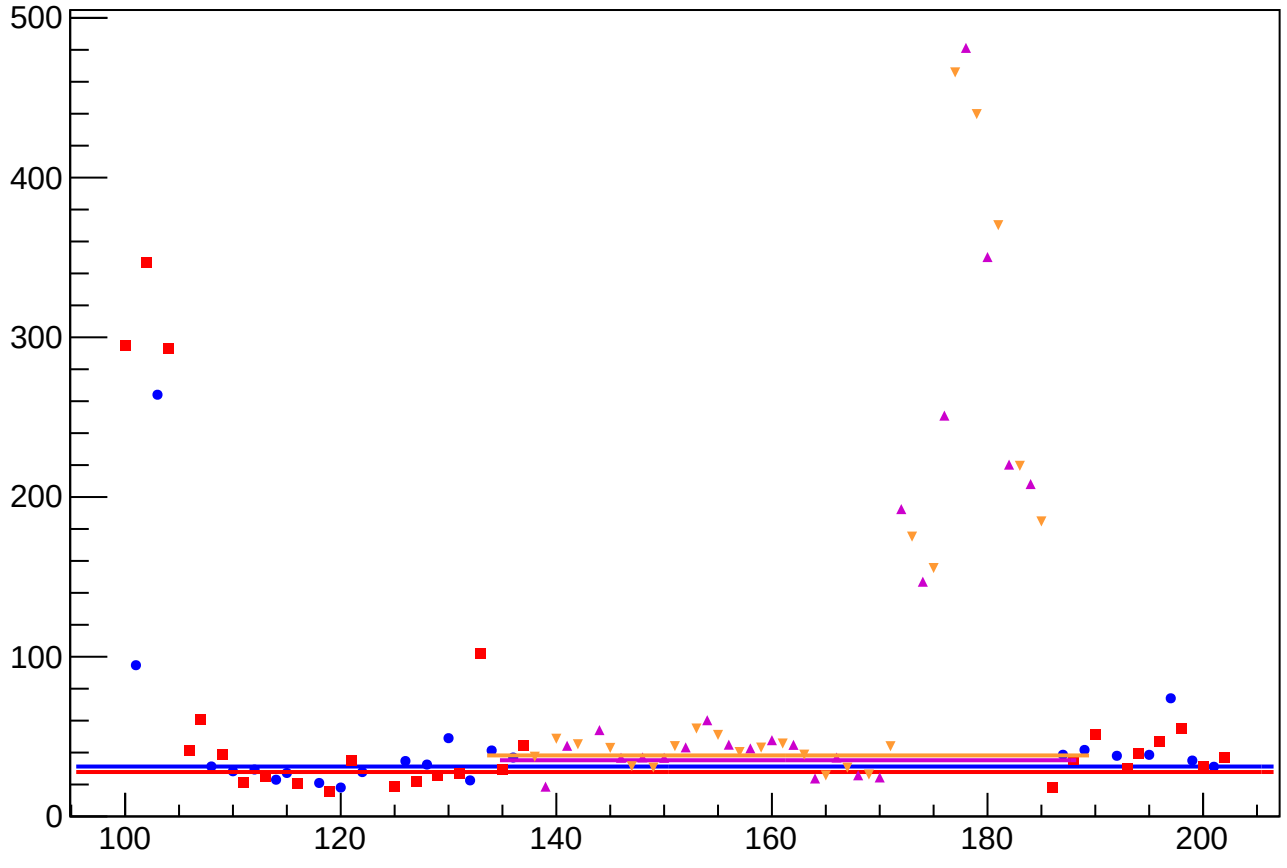
Right Out: -0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.006+/-0.007 χ^2/NDF: 56.1/46

All: 0.005+/-0.005 χ^2/NDF: 93.3/96

- sign 0.003+/-0.007 χ^2/NDF: 37.2/49



Right In: 31.258+/-0.007 χ^2/NDF: 3026195.5/22

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

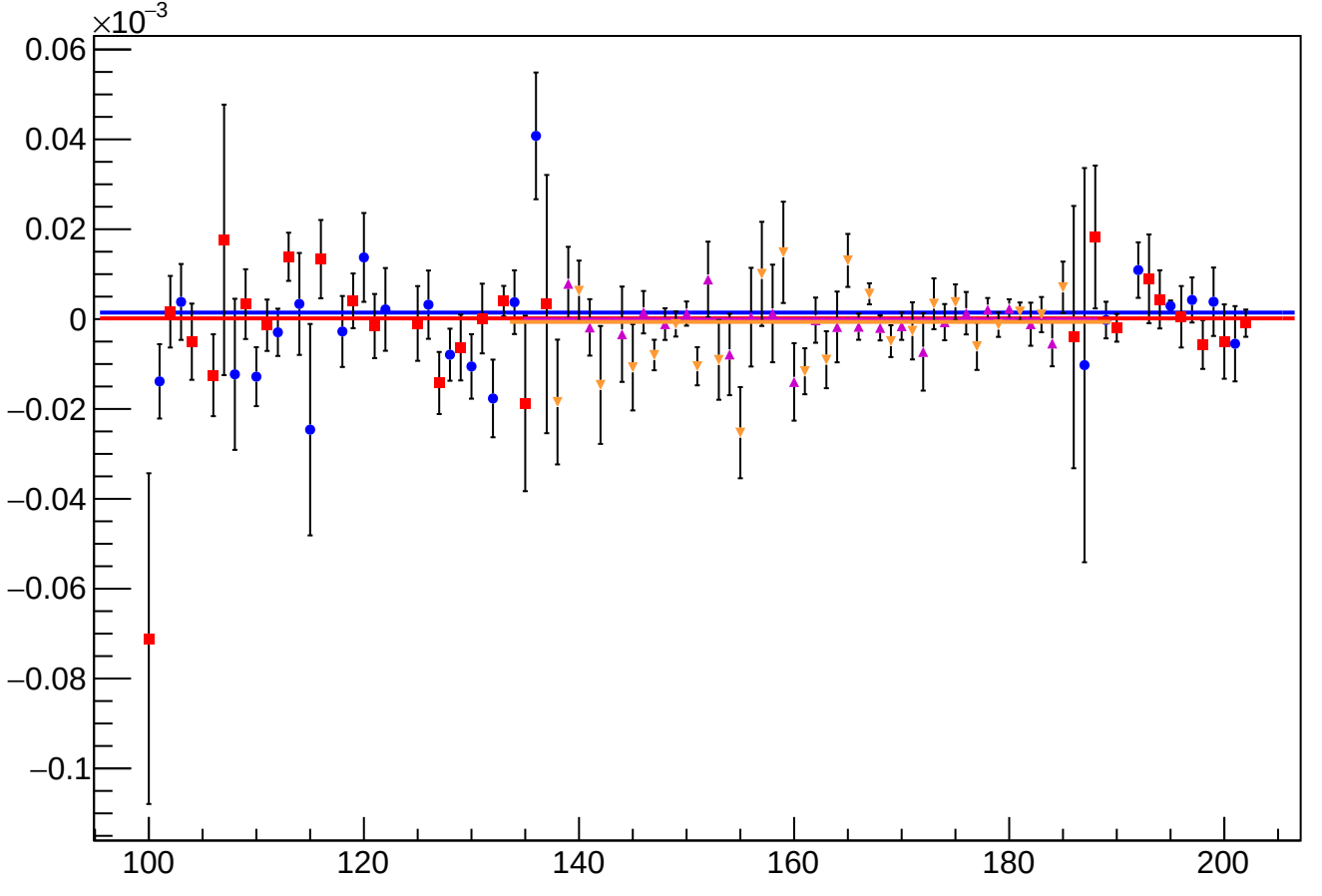
Right Out: 27.821+/-0.006 χ^2/NDF: 4341493.9/26

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.558+/-0.005 χ^2/NDF: 11746062.8/46

All: 32.604+/-0.004 χ^2/NDF: 26316542.1/96

- sign 31.002+/-0.005 χ^2/NDF: 14319657.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

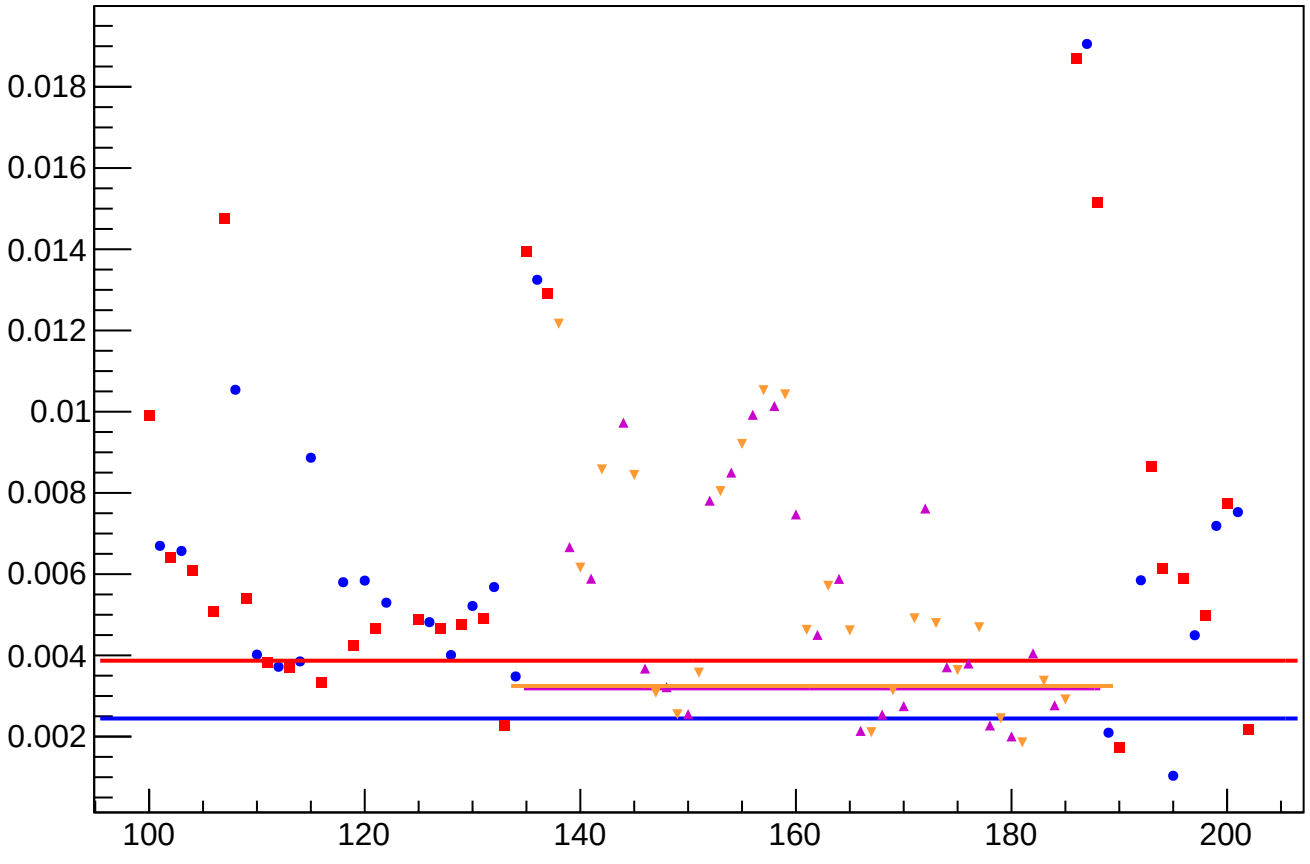
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/26

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.8/46

All: 0.000+/-0.000 χ^2/NDF: 128.9/96

- sign -0.000+/-0.000 χ^2/NDF: 39.0/49



Right In: 0.002+/-0.000 χ^2/NDF: 10229859.9/22

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

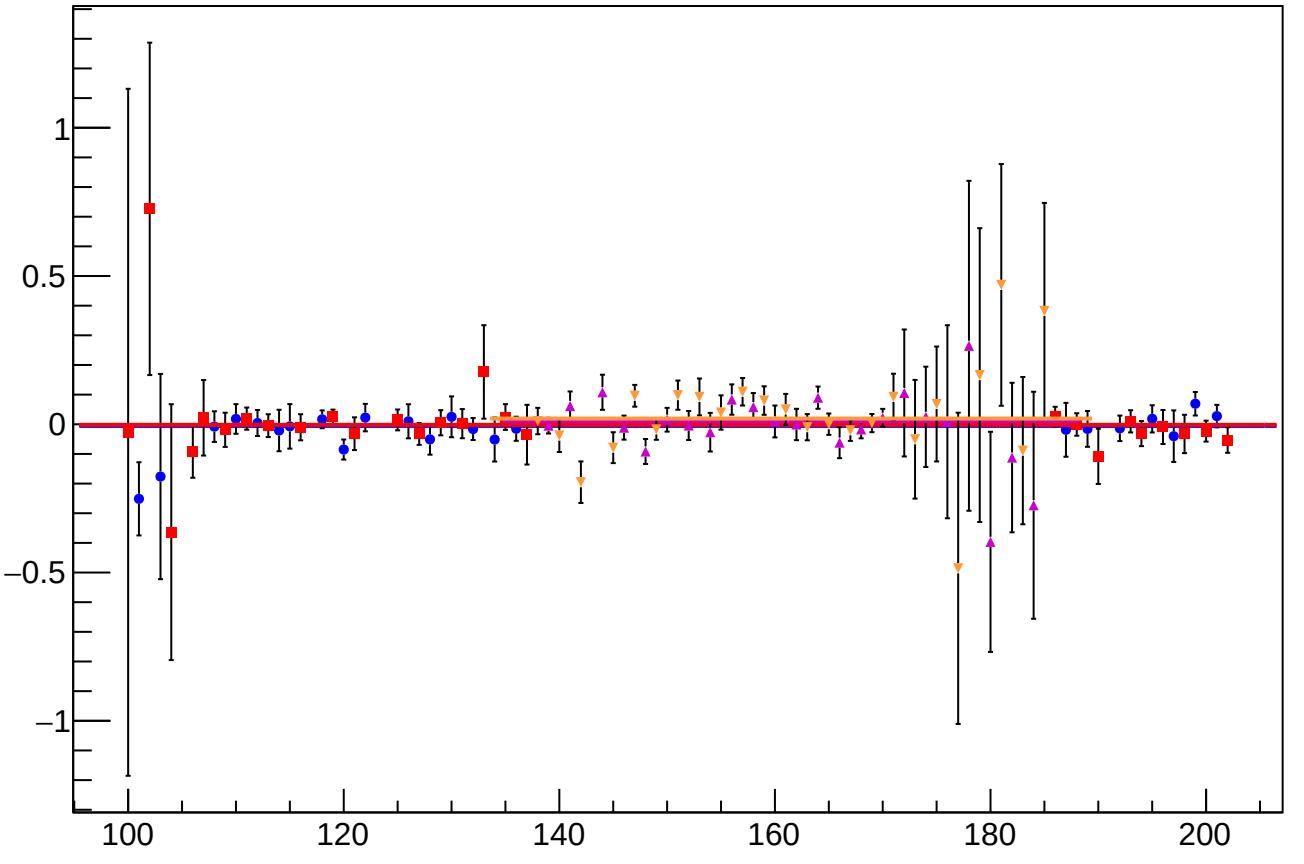
Right Out: 0.004+/-0.000 χ^2/NDF: 6606825.4/26

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 18730214.3/46

All: 0.003+/-0.000 χ^2/NDF: 33656693.6/96

- sign 0.003+/-0.000 χ^2/NDF: 14324249.3/49



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

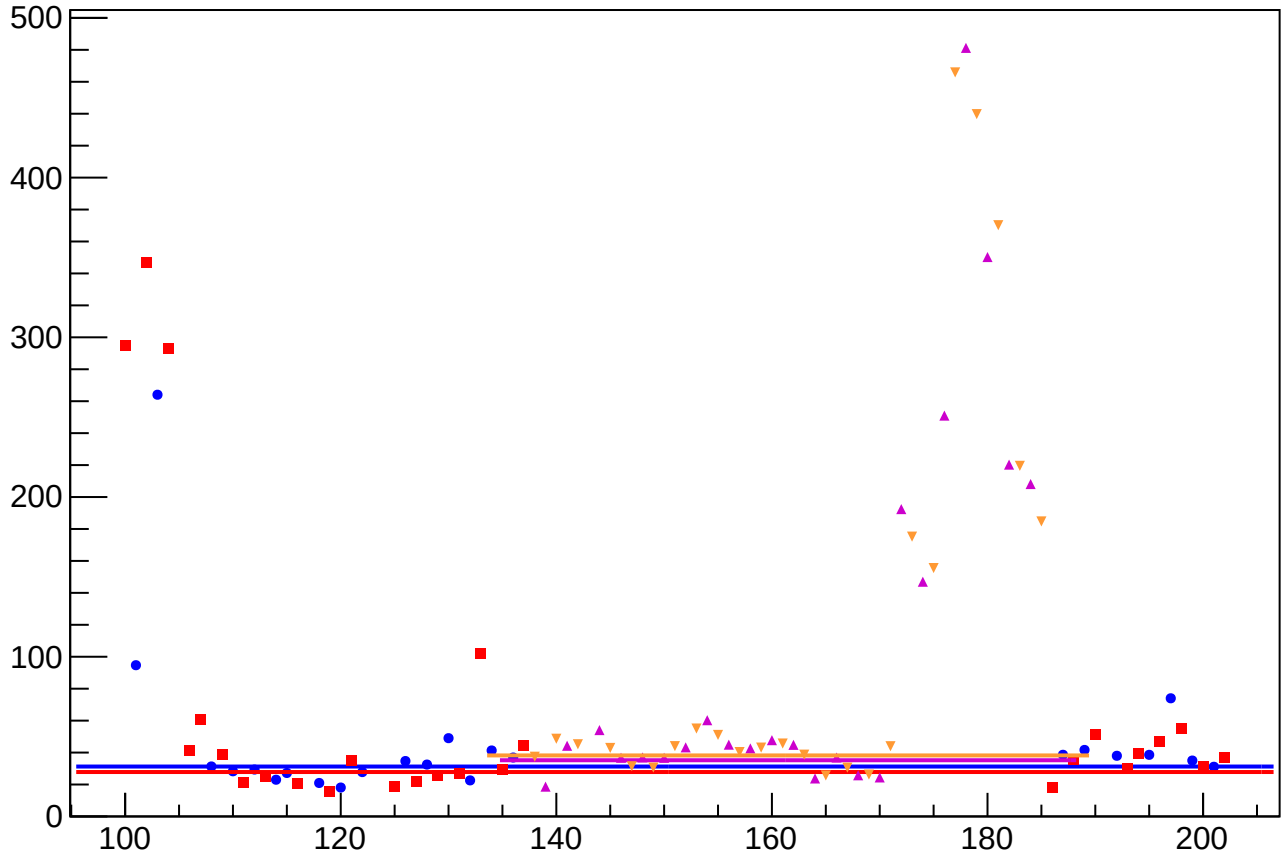
Right Out: -0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.006+/-0.007 χ^2/NDF: 56.1/46

All: 0.005+/-0.005 χ^2/NDF: 93.3/96

- sign 0.003+/-0.007 χ^2/NDF: 37.2/49



Right In: 31.258+/-0.007 χ^2/NDF: 3026229.6/22

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

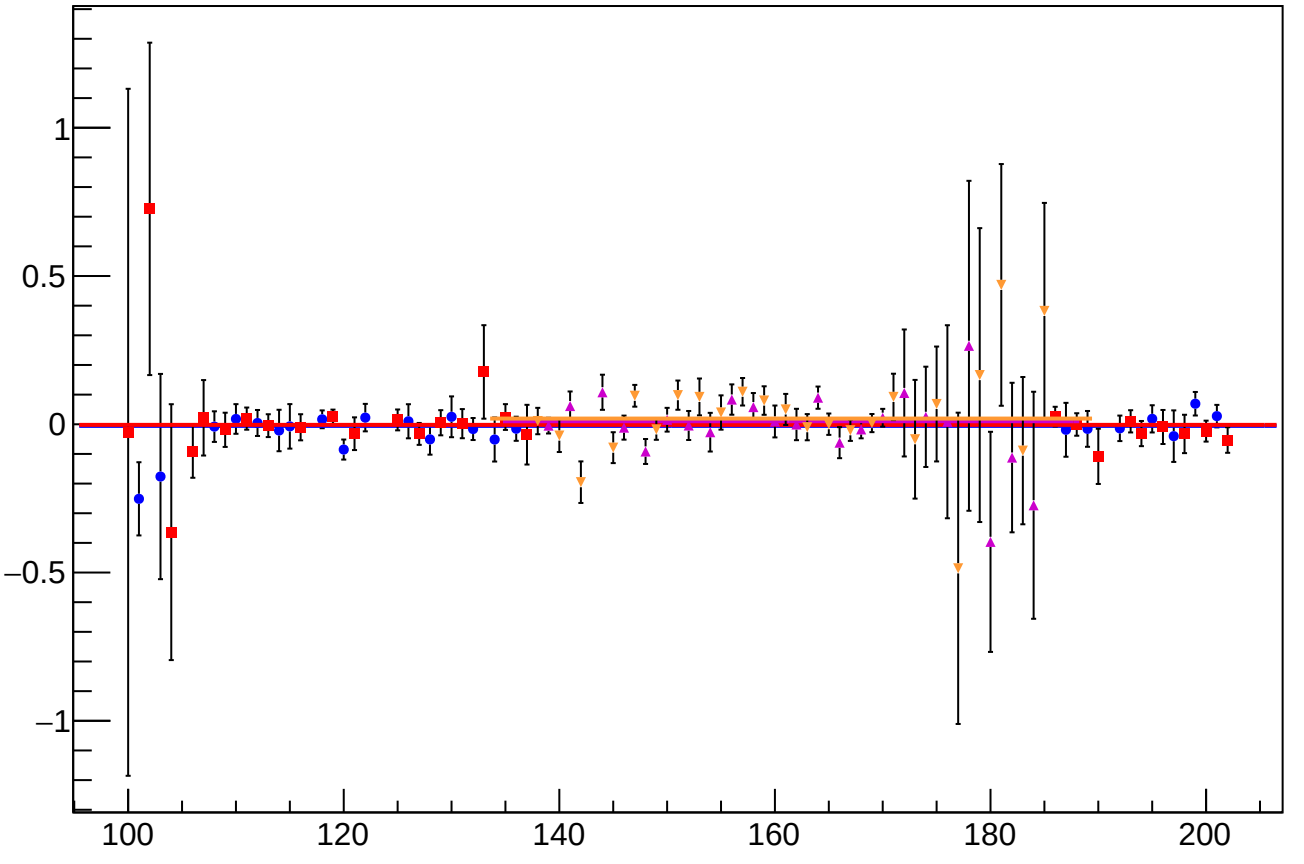
Right Out: 27.819+/-0.006 χ^2/NDF: 4341939.6/26

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.558+/-0.005 χ^2/NDF: 11746231.6/46

All: 32.603+/-0.004 χ^2/NDF: 26318049.6/96

- sign 31.000+/-0.005 χ^2/NDF: 14320815.6/49



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

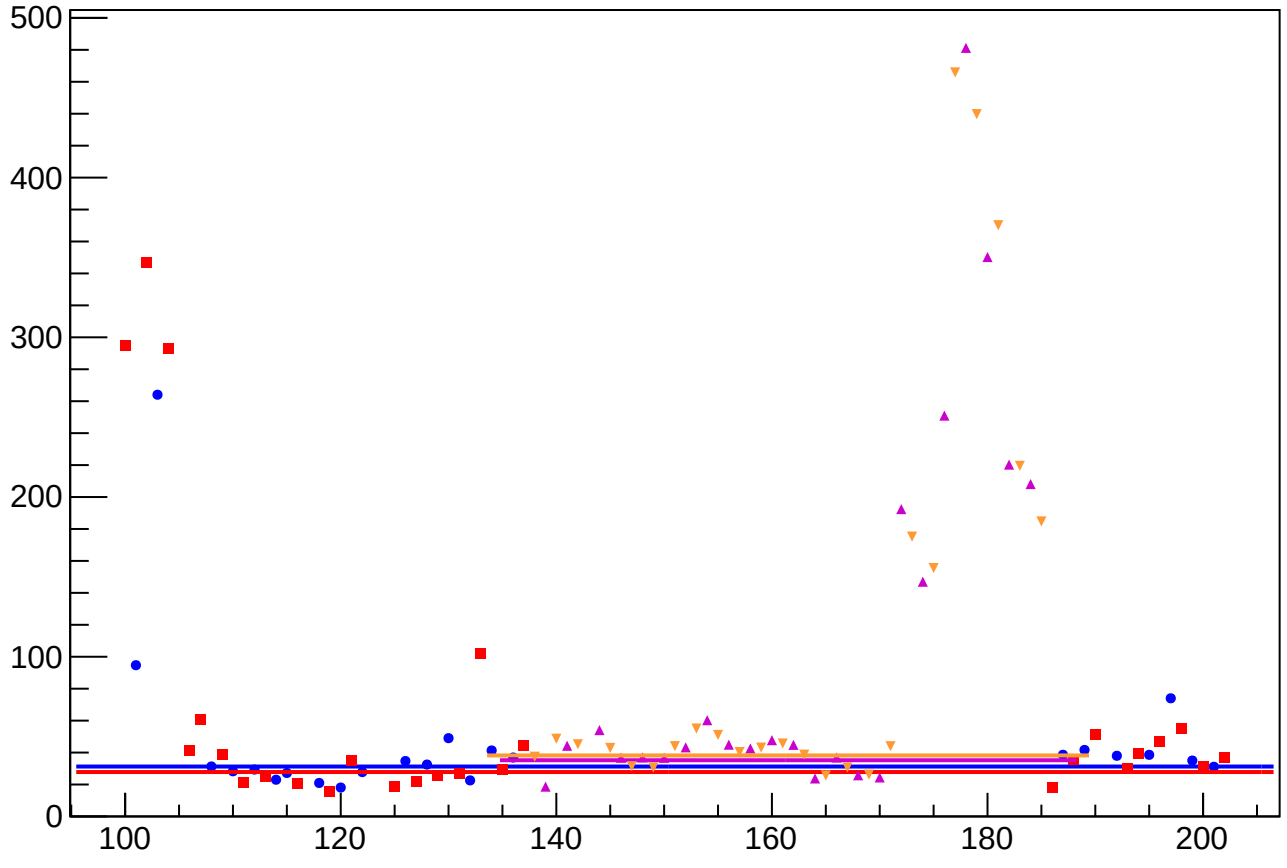
Right Out: -0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.006+/-0.007 χ^2/NDF: 56.1/46

All: 0.005+/-0.005 χ^2/NDF: 93.3/96

- sign 0.003+/-0.007 χ^2/NDF: 37.2/49



Right In: 31.258+/-0.007 χ^2/NDF: 3026229.6/22

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

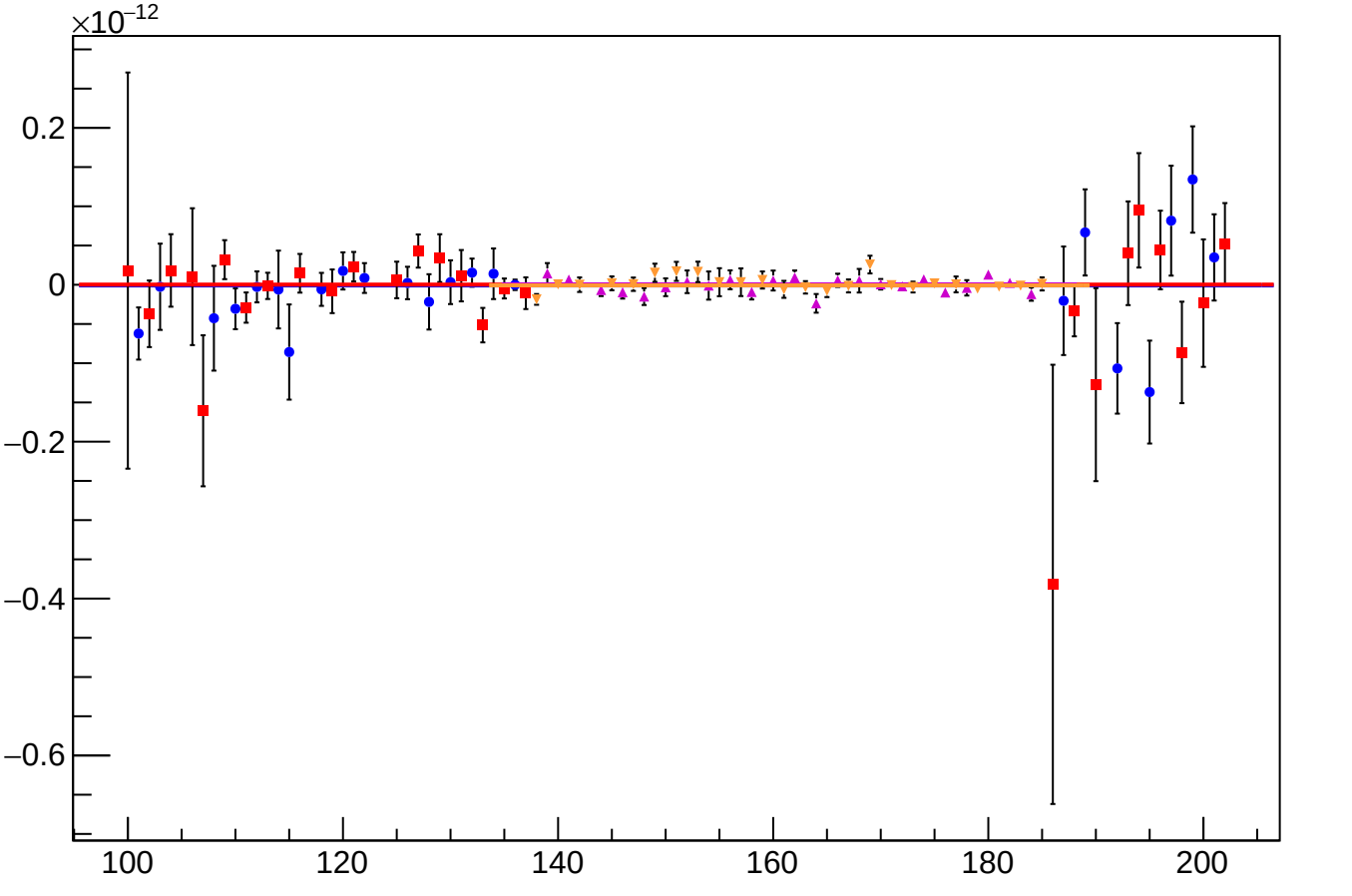
Right Out: 27.819+/-0.006 χ^2/NDF: 4341939.6/26

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.558+/-0.005 χ^2/NDF: 11746231.6/46

All: 32.603+/-0.004 χ^2/NDF: 26318049.6/96

- sign 31.000+/-0.005 χ^2/NDF: 14320815.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

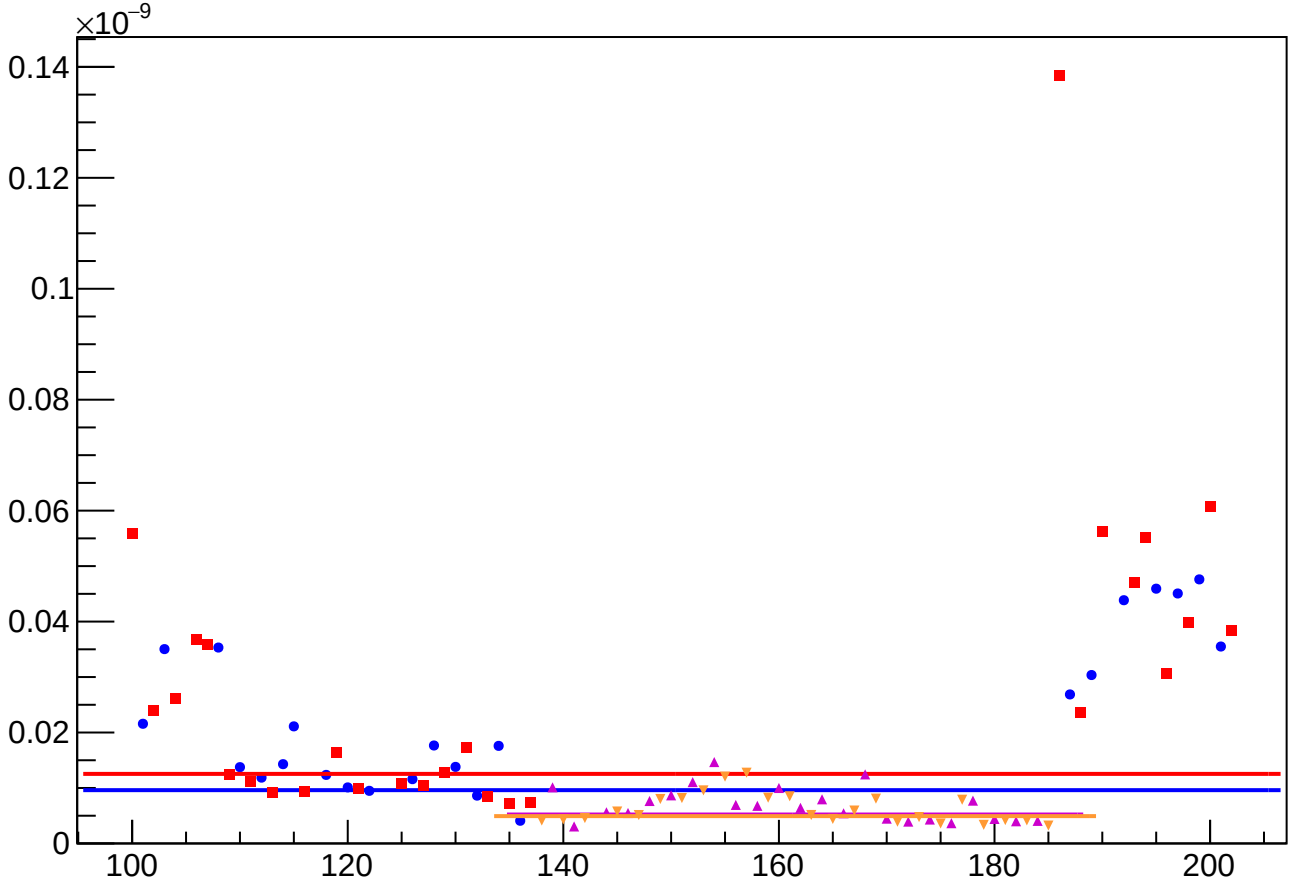
Right Out: 0.000+/-0.000 χ^2/NDF: 30.7/26

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.6/46

All: -0.000+/-0.000 χ^2/NDF: 102.9/96

- sign 0.000+/-0.000 χ^2/NDF: 57.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 6153330.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

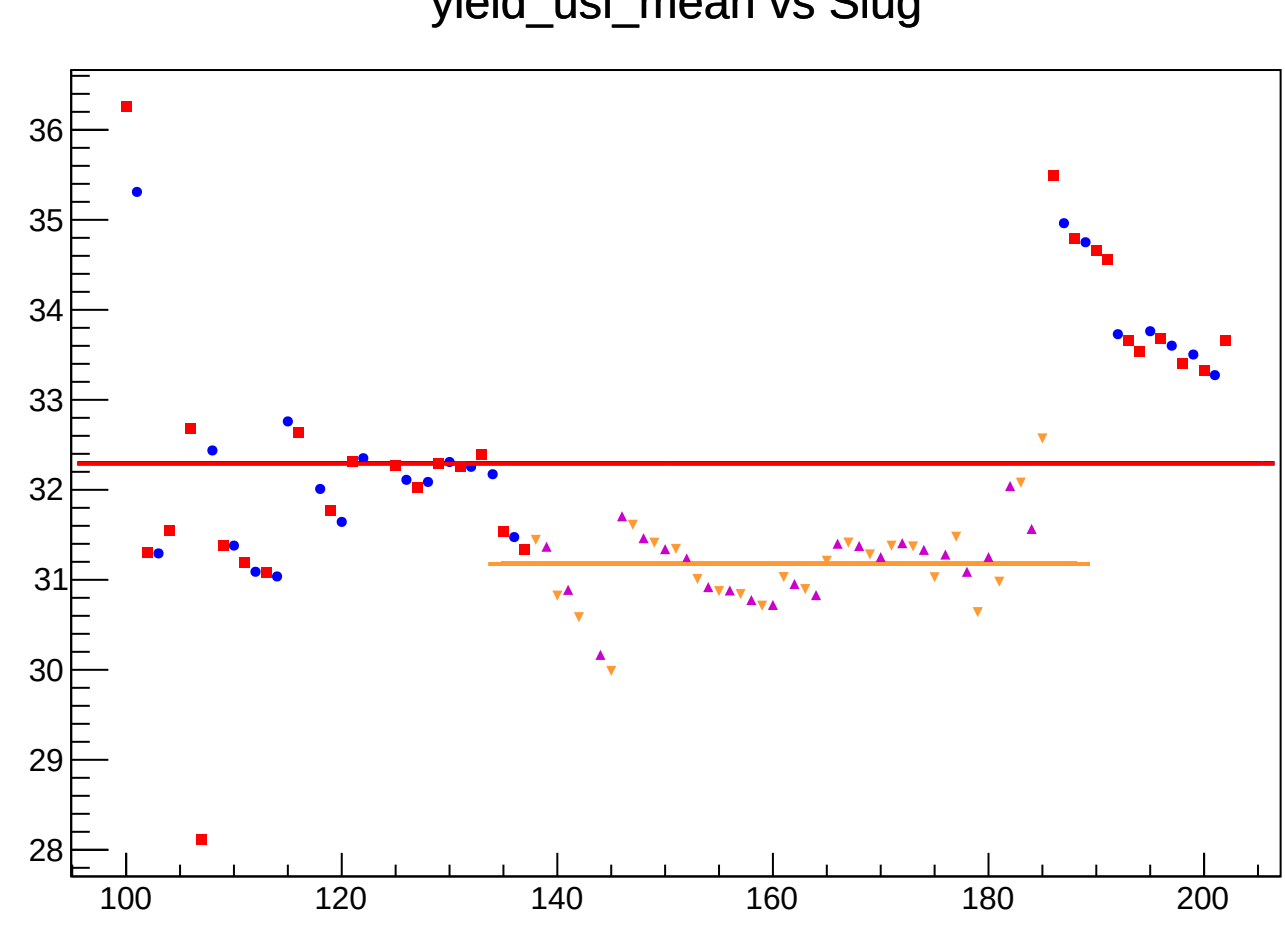
Right Out: 0.000+/-0.000 χ^2/NDF: 5397019.5/26

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10581924.7/46

All: 0.000+/-0.000 χ^2/NDF: 22875671.2/96

- sign 0.000+/-0.000 χ^2/NDF: 12213296.1/49



Right In: 32.297+/-0.000 χ^2/NDF: 1524330875.5/22

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

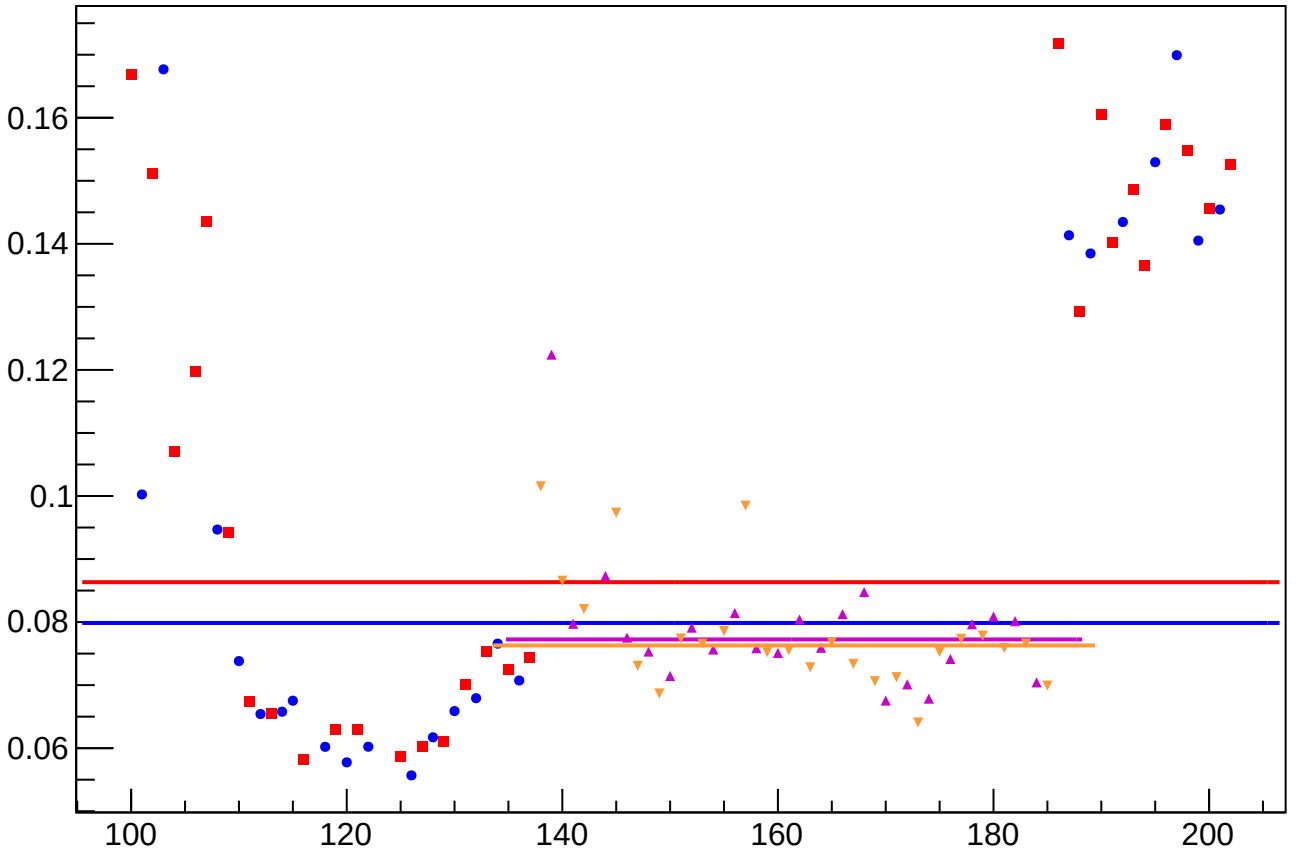
Right Out: 32.289+/-0.000 χ^2/NDF: 1692418432.6/27

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.571+/-0.000 χ^2/NDF: 3328457961.2/46

All: 31.576+/-0.000 χ^2/NDF: 6623974764.6/9

- sign 31.580+/-0.000 χ^2/NDF: 3295311411.6/50



Right In: 0.080+/-0.000 χ^2/NDF: 3162301.5/22

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.086+/-0.000 χ^2/NDF: 3854115.0/27

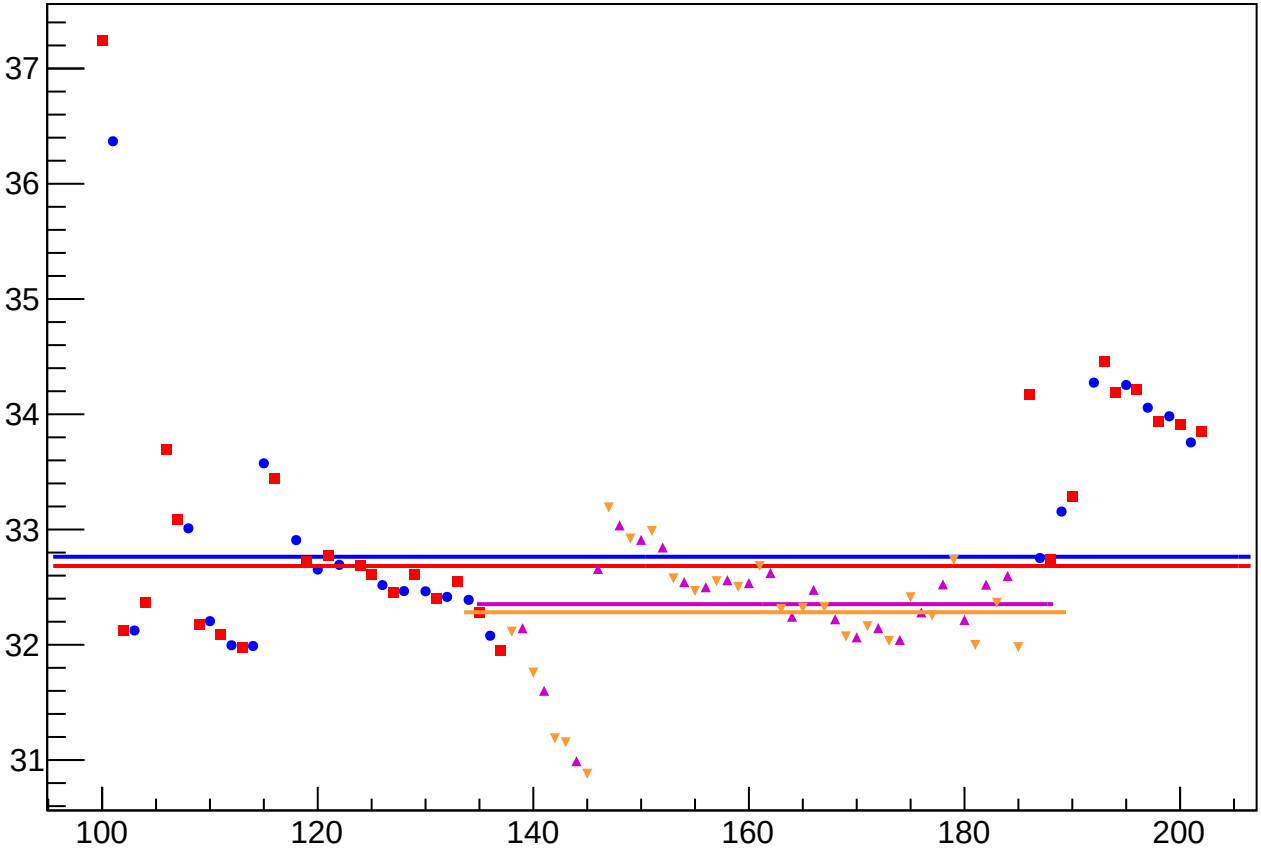
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.078+/-0.000 χ^2/NDF: 3544781.9/46

All: 0.079+/-0.000 χ^2/NDF: 7967766.7/97

- sign 0.081+/-0.000 χ^2/NDF: 4384255.1/50

yield_usr_mean vs Slug



Right In: 32.764+/-0.000 χ^2/NDF: 906182946.3/22

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.684+/-0.000 χ^2/NDF: 433123831.8/27

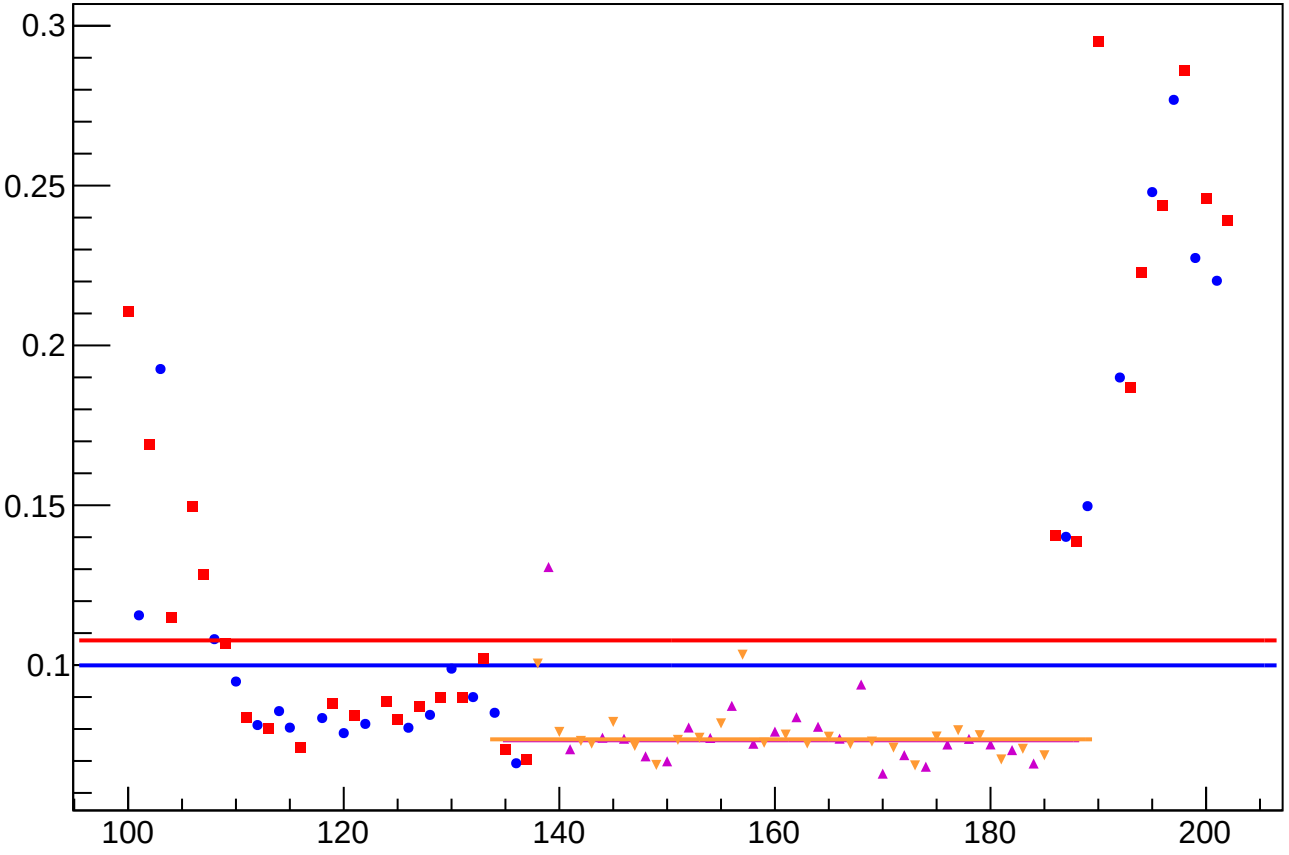
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.399+/-0.000 χ^2/NDF: 1913112185.1/47

All: 32.417+/-0.000 χ^2/NDF: 3017291977.8/9

- sign 32.435+/-0.000 χ^2/NDF: 1101619312.9/50

yield_usr_rms vs Slug



Right In: 0.100+/-0.000 χ^2/NDF: 3704244.3/22

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.108+/-0.000 χ^2/NDF: 4427661.5/27

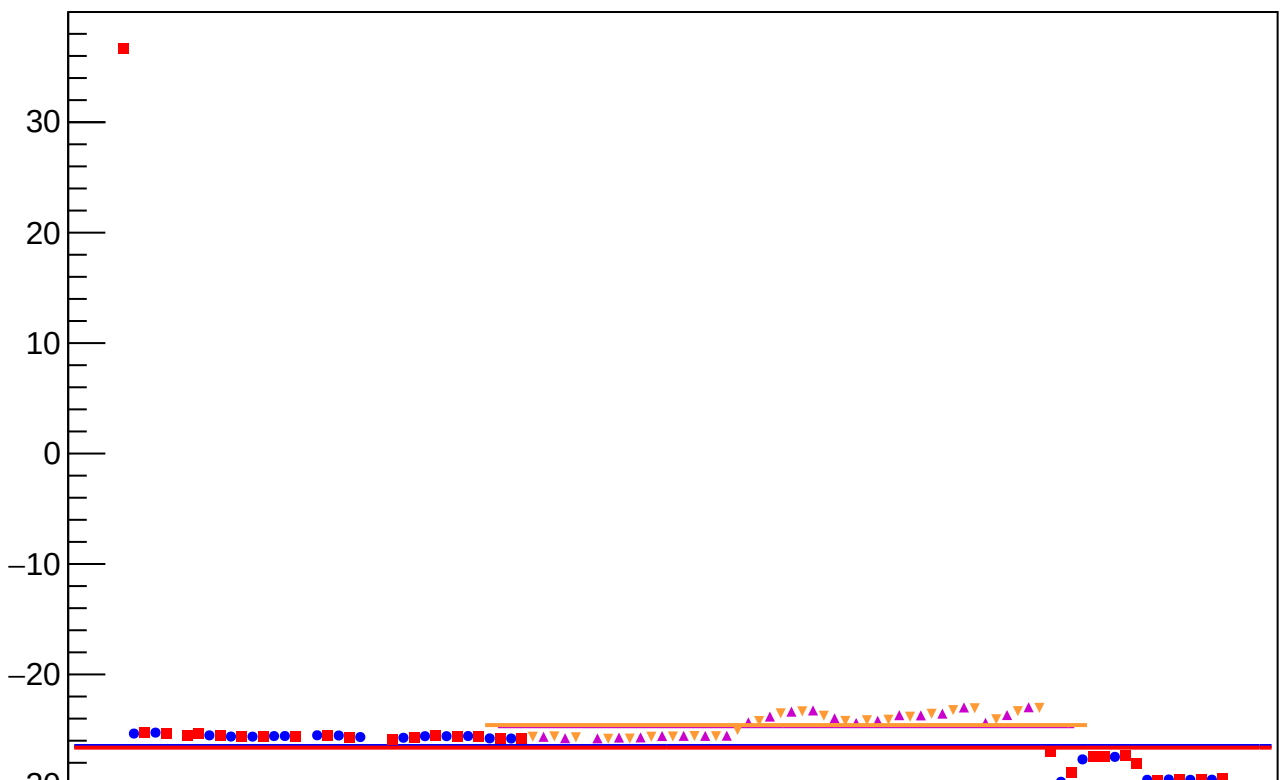
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.082+/-0.000 χ^2/NDF: 4731220.9/47

All: 0.083+/-0.000 χ^2/NDF: 11055176.3/98

- sign 0.084+/-0.000 χ^2/NDF: 6310045.0/50

yield_dsl_mean vs Slug



Right In: -26.480+/-0.000 χ^2/NDF: 13571880523.3/22

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.627+/-0.000 χ^2/NDF: 24305766331.4/27

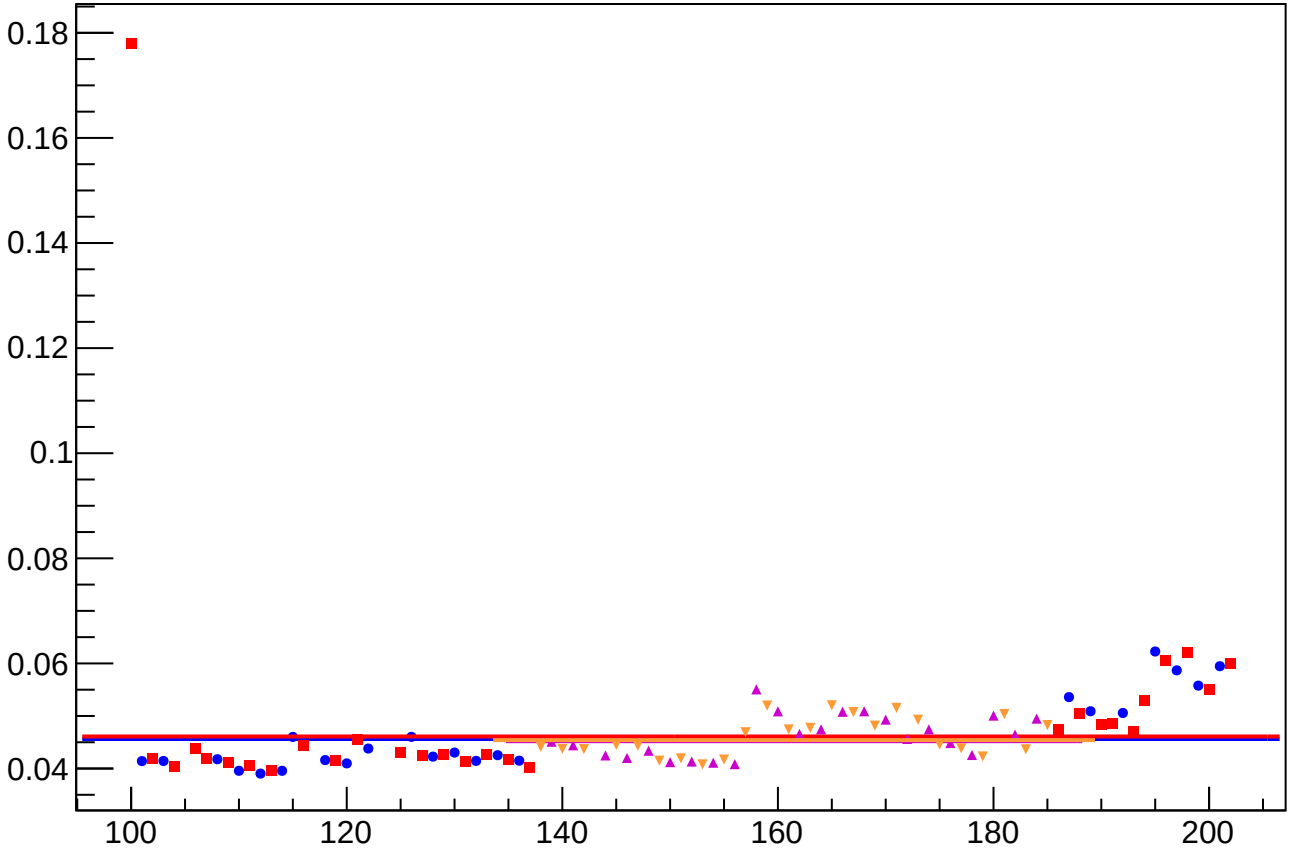
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.334+/-0.000 χ^2/NDF: 35104054660.8/46

All: -25.429+/-0.000 χ^2/NDF: 82483500287.5

- sign -25.518+/-0.000 χ^2/NDF: 47130230715.4/50

yield_dsl_rms vs Slug



Right In: 0.046+/-0.000 χ^2/NDF: 522286.4/22

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.046+/-0.000 χ^2/NDF: 624272.9/27

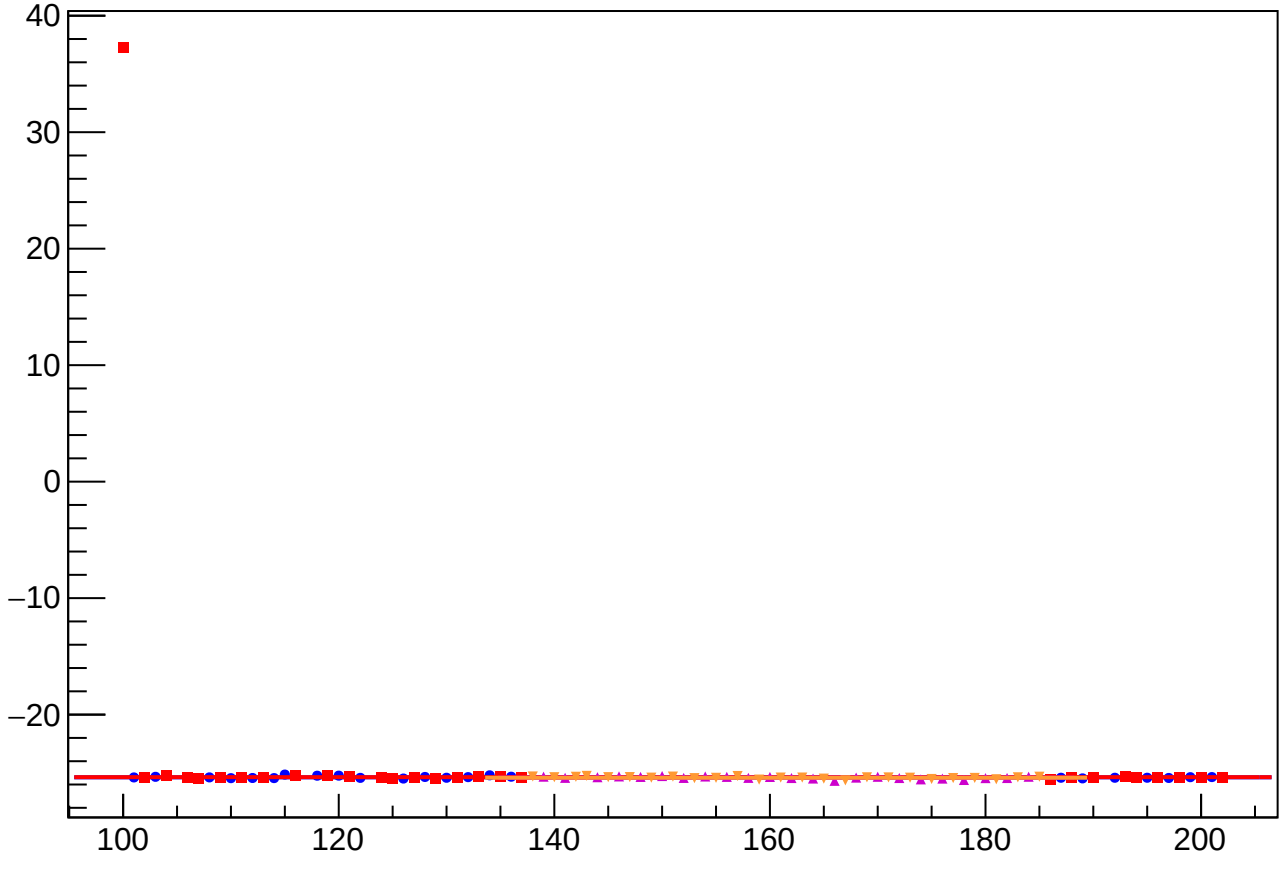
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.045+/-0.000 χ^2/NDF: 728142.0/46

All: 0.046+/-0.000 χ^2/NDF: 1603182.8/97

- sign 0.046+/-0.000 χ^2/NDF: 874901.2/50

yield_dsr_mean vs Slug



Right In: -25.385+/-0.000 χ^2/NDF: 18466459.3/22

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.370+/-0.000 χ^2/NDF: 6330667224.2/27

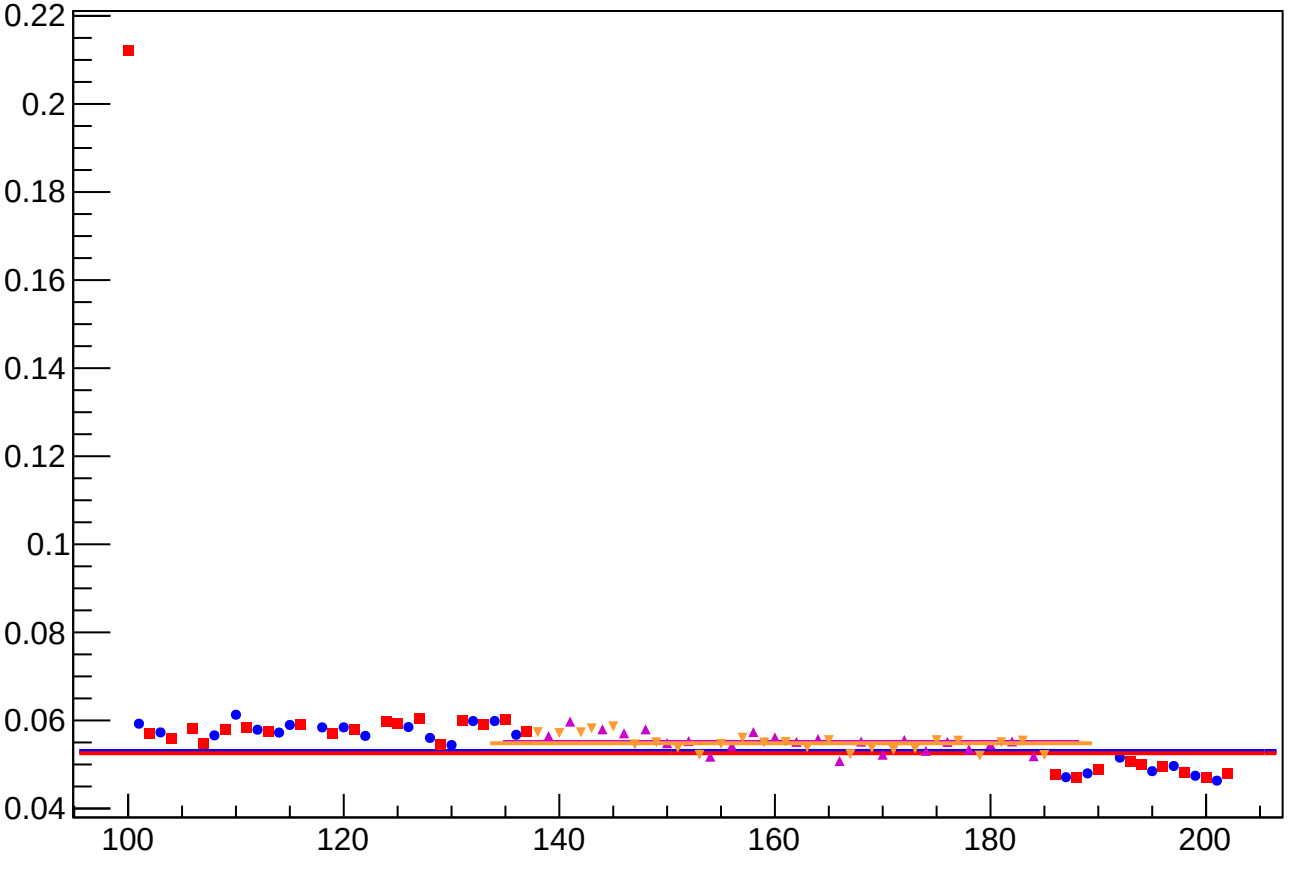
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

\+ sign -25.404+/-0.000 χ^2/NDF: 73281408.9/47

All: -25.399+/-0.000 χ^2/NDF: 6465734168.0/

\- sign -25.394+/-0.000 χ^2/NDF: 6391897315.5/50

yield_dsr_rms vs Slug



Right In: 0.053+/-0.000 χ^2/NDF: 202763.3/22

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

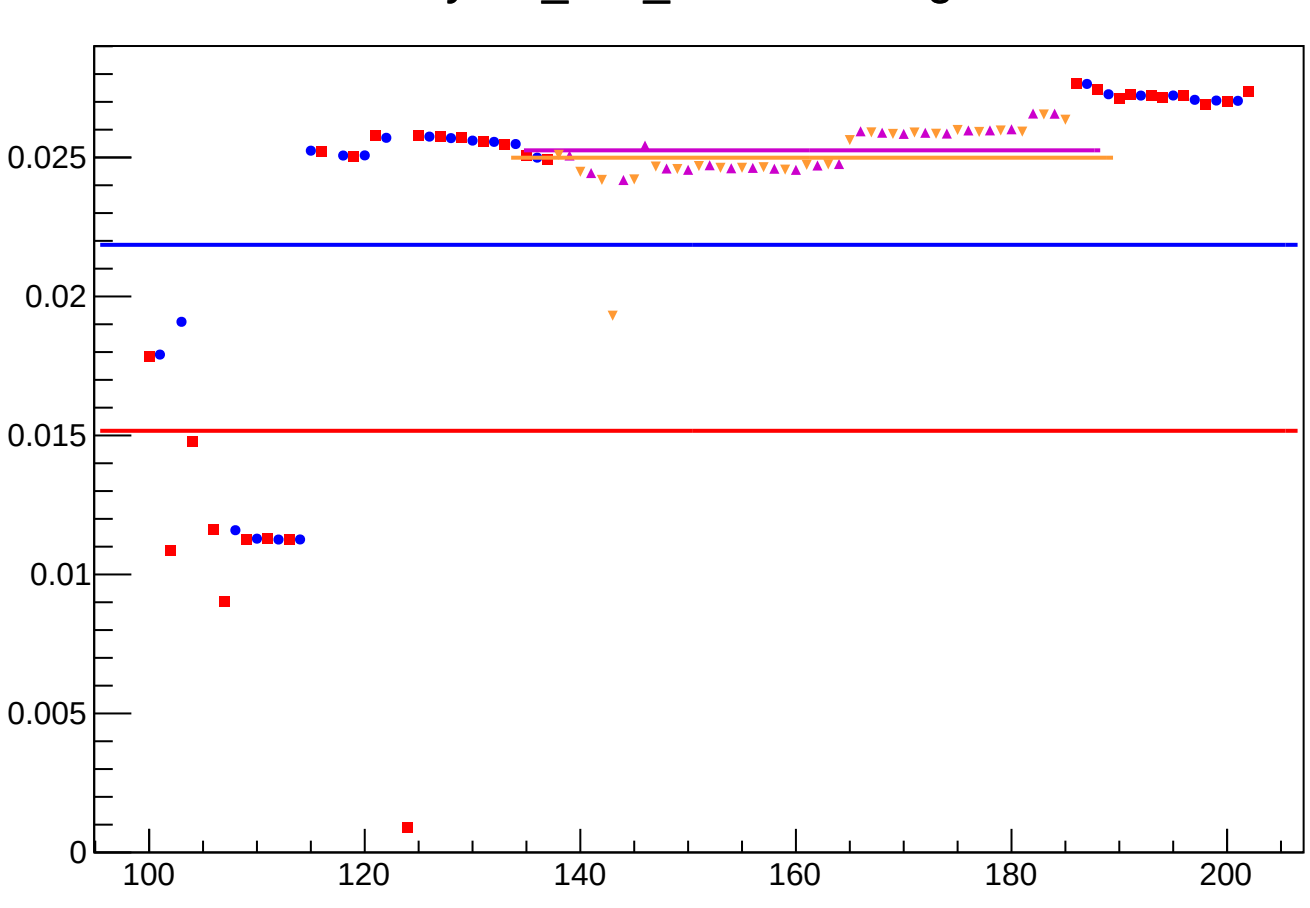
Right Out: 0.053+/-0.000 χ^2/NDF: 320636.5/27

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.054+/-0.000 χ^2/NDF: 256321.7/47

All: 0.054+/-0.000 χ^2/NDF: 663892.2/98

- sign 0.054+/-0.000 χ^2/NDF: 407223.0/50



Right In: 0.022+/-0.000 χ^2/NDF: 84145851971.7/22

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.015+/-0.000 χ^2/NDF: 402262607609.1/28

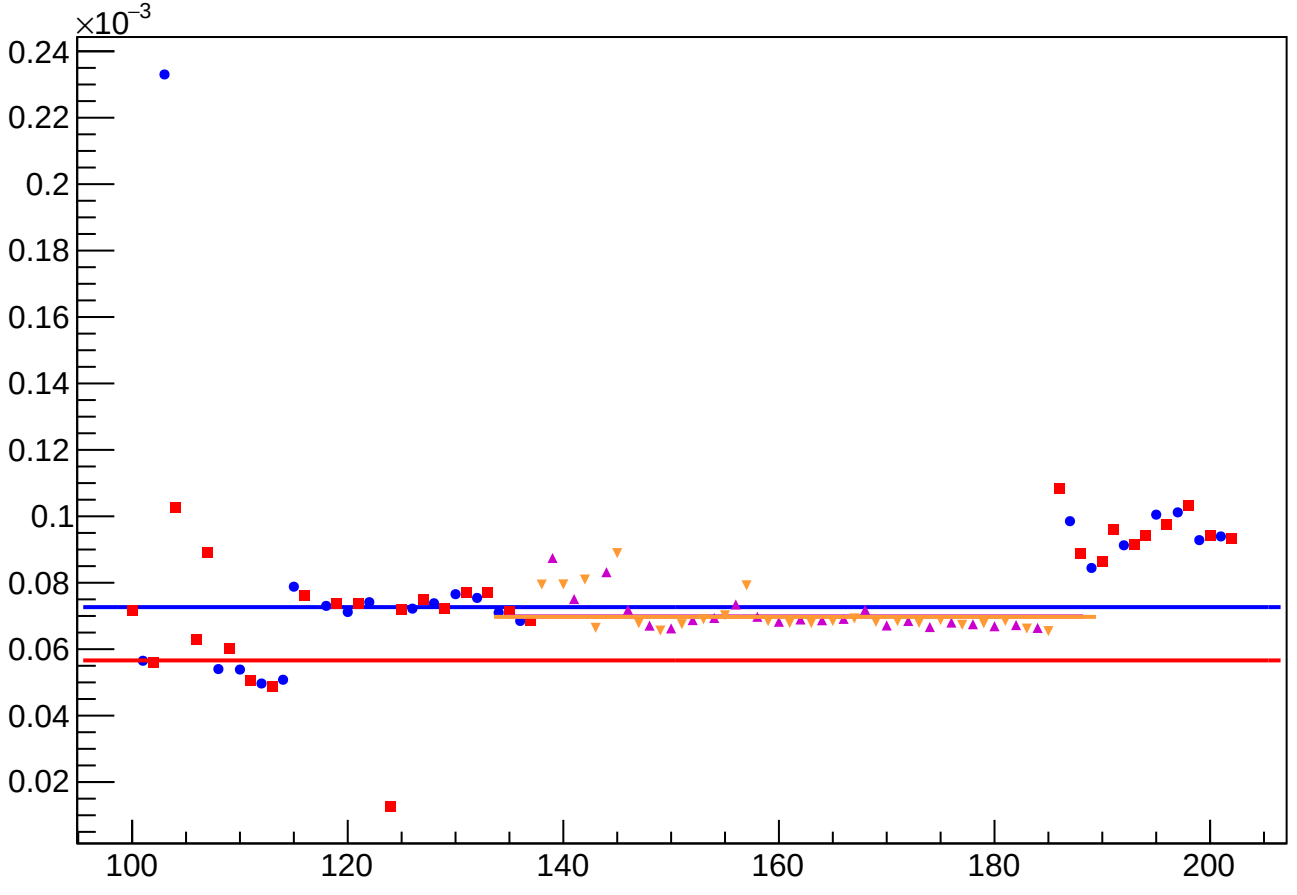
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 105519865263.8/47

All: 0.022+/-0.000 χ^2/NDF: 724166322552.4

- sign 0.020+/-0.000 χ^2/NDF: 581318944202.2/51

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1557830.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6742493.8/28

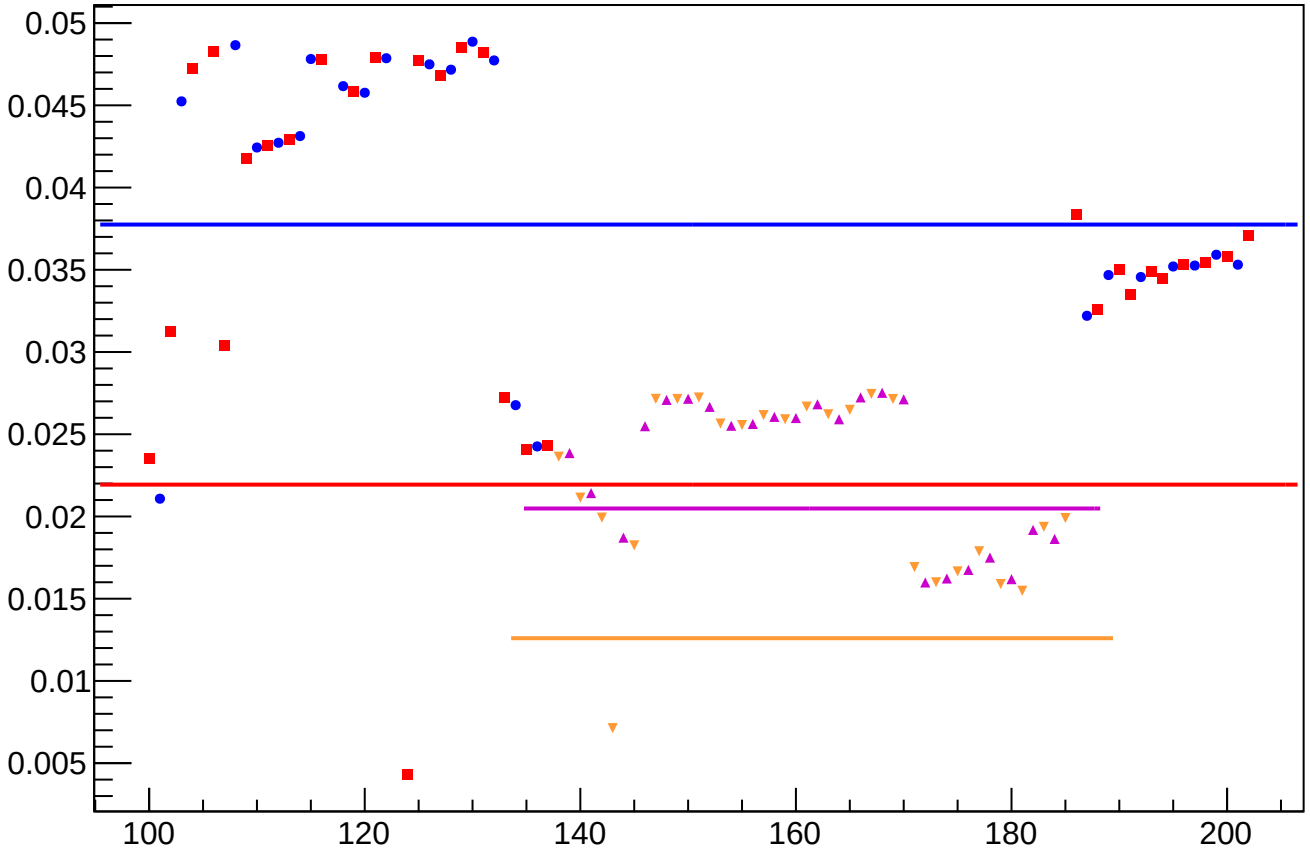
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1769680.8/47

All: 0.000+/-0.000 χ^2/NDF: 9606807.7/99

- sign 0.000+/-0.000 χ^2/NDF: 7506093.9/51

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7219662059.8/22

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 45592714288.9/28

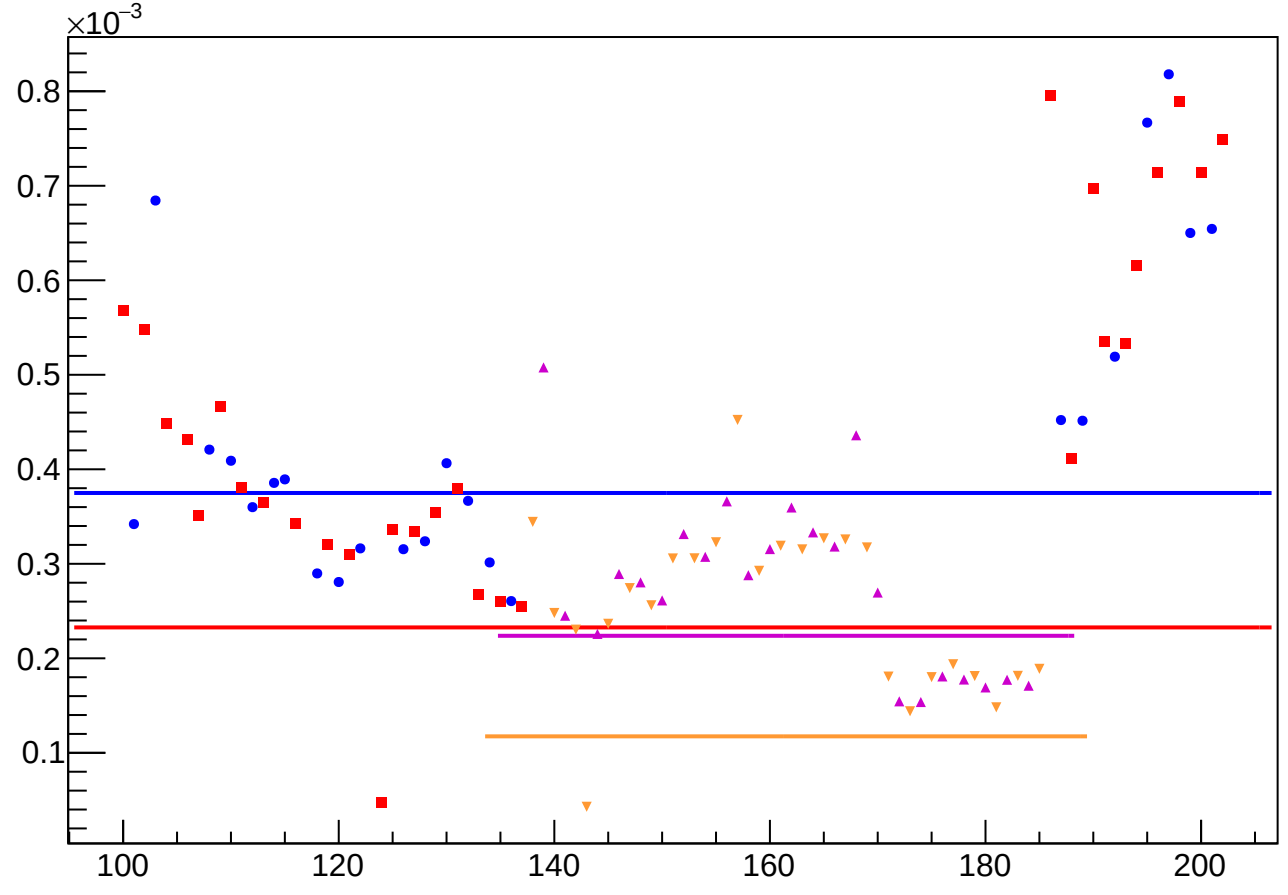
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 86276946490.1/47

All: 0.017+/-0.000 χ^2/NDF: 149045660676.6

- sign 0.021+/-0.000 χ^2/NDF: 51894499461.6/51

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2503083.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

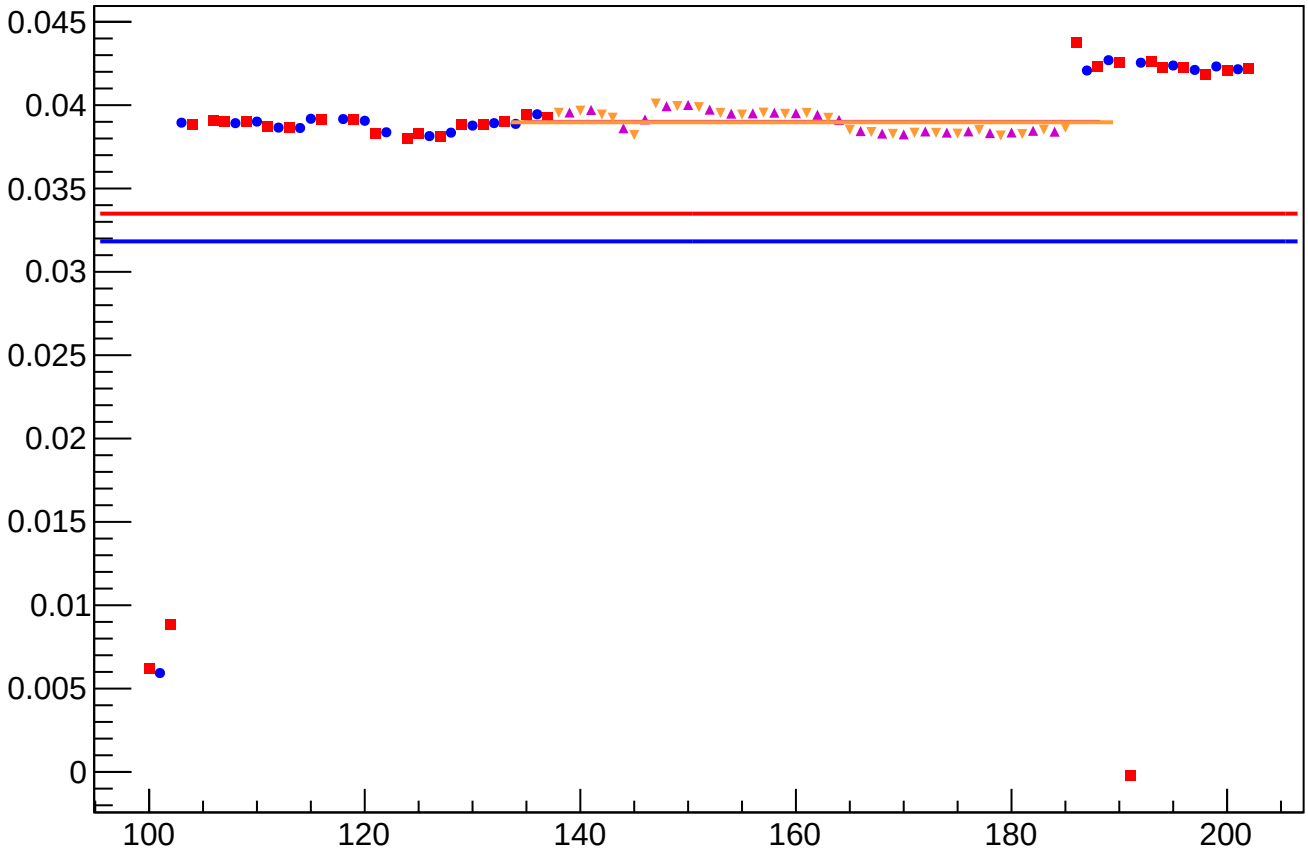
Right Out: 0.000+/-0.000 χ^2/NDF: 11747427.5/28

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 25639364.8/47

All: 0.000+/-0.000 χ^2/NDF: 45114734.5/99

- sign 0.000+/-0.000 χ^2/NDF: 15150697.7/51



Right In: 0.032+/-0.000 χ^2/NDF: 119936012481.9/22

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.033+/-0.000 χ^2/NDF: 114369436414.4/28

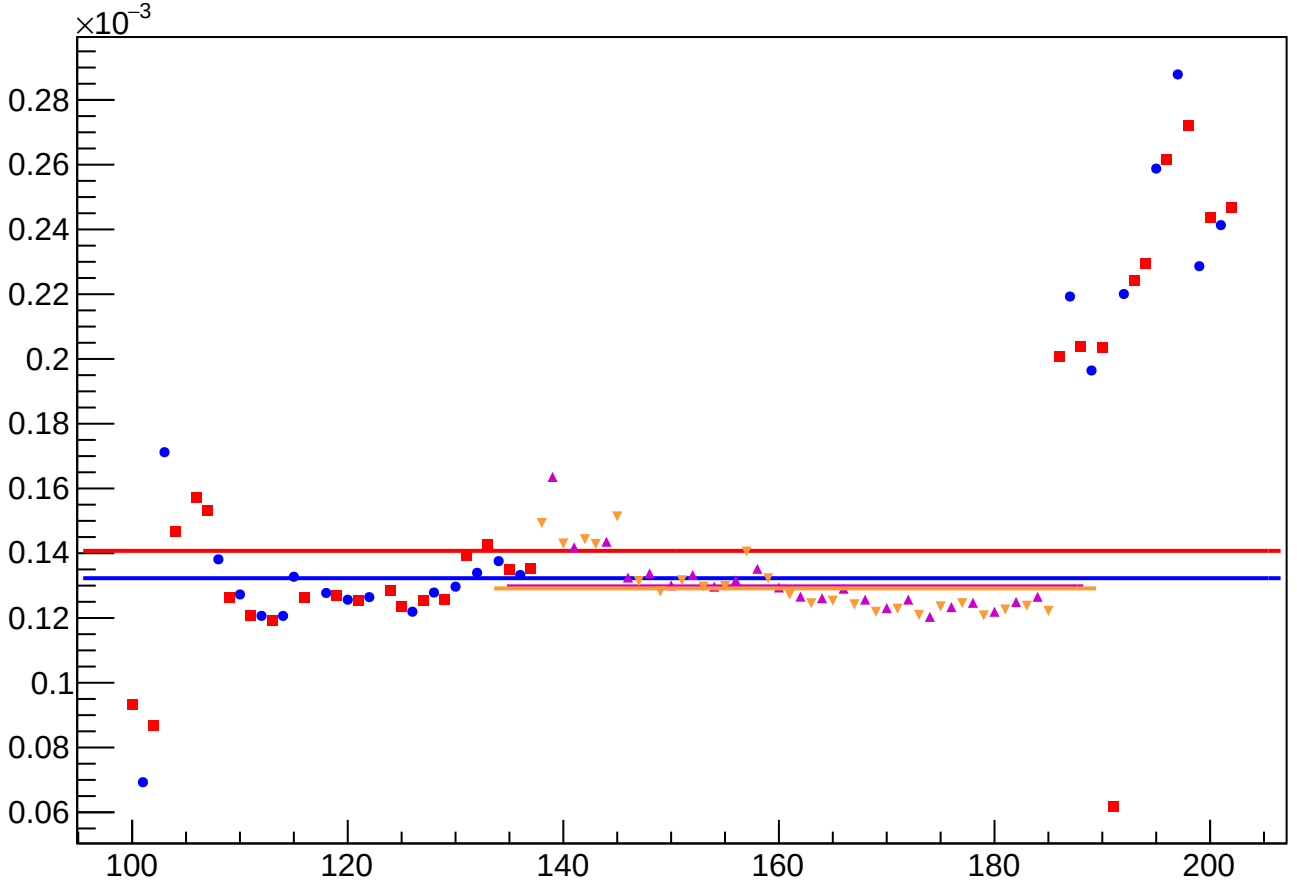
Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.037+/-0.000 χ^2/NDF: 140356124691.1/47

All: 0.037+/-0.000 χ^2/NDF: 267167078632.1

- sign 0.037+/-0.000 χ^2/NDF: 126629918606.1/51

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3133328.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3237071.3/28

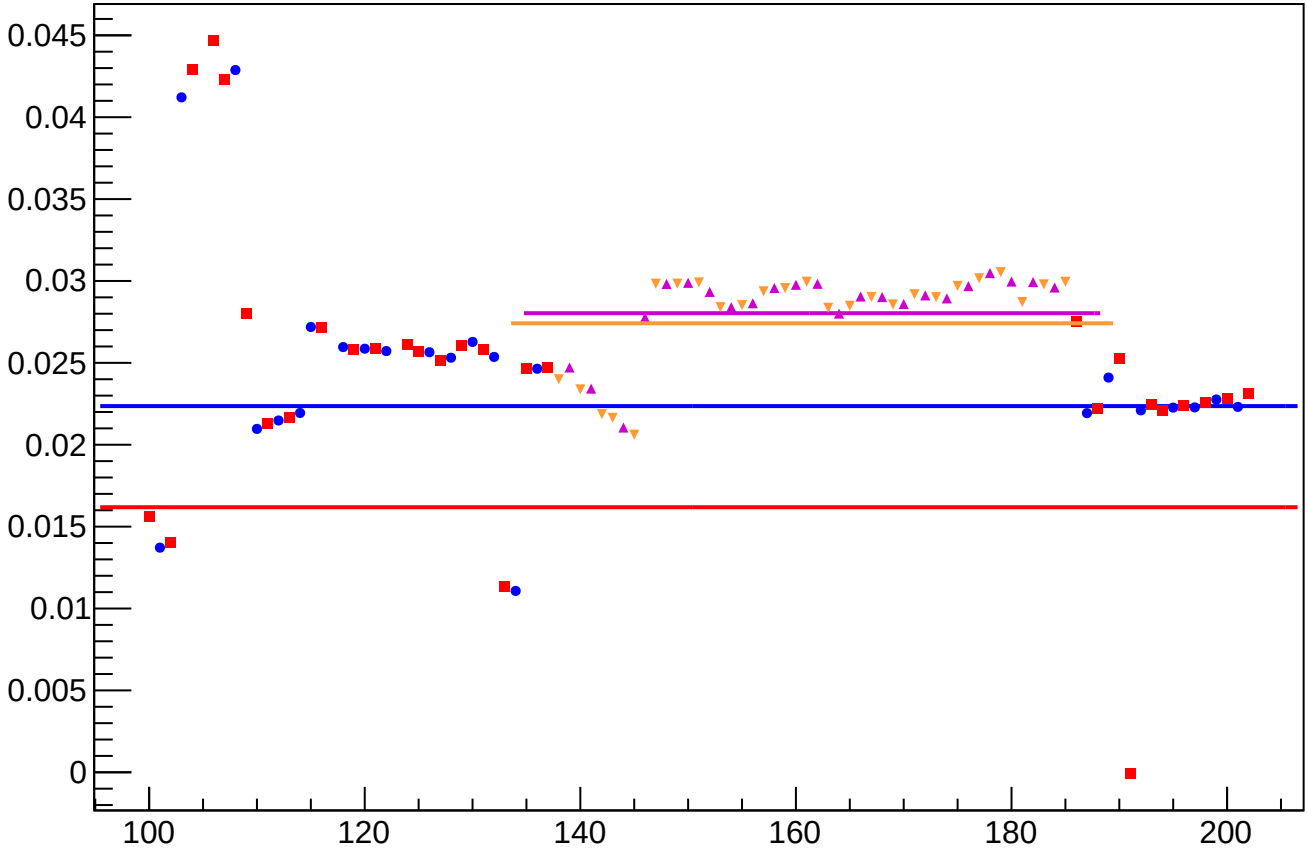
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3298616.7/47

All: 0.000+/-0.000 χ^2/NDF: 6793442.1/99

- sign 0.000+/-0.000 χ^2/NDF: 3472949.1/51

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5024840665.6/22

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

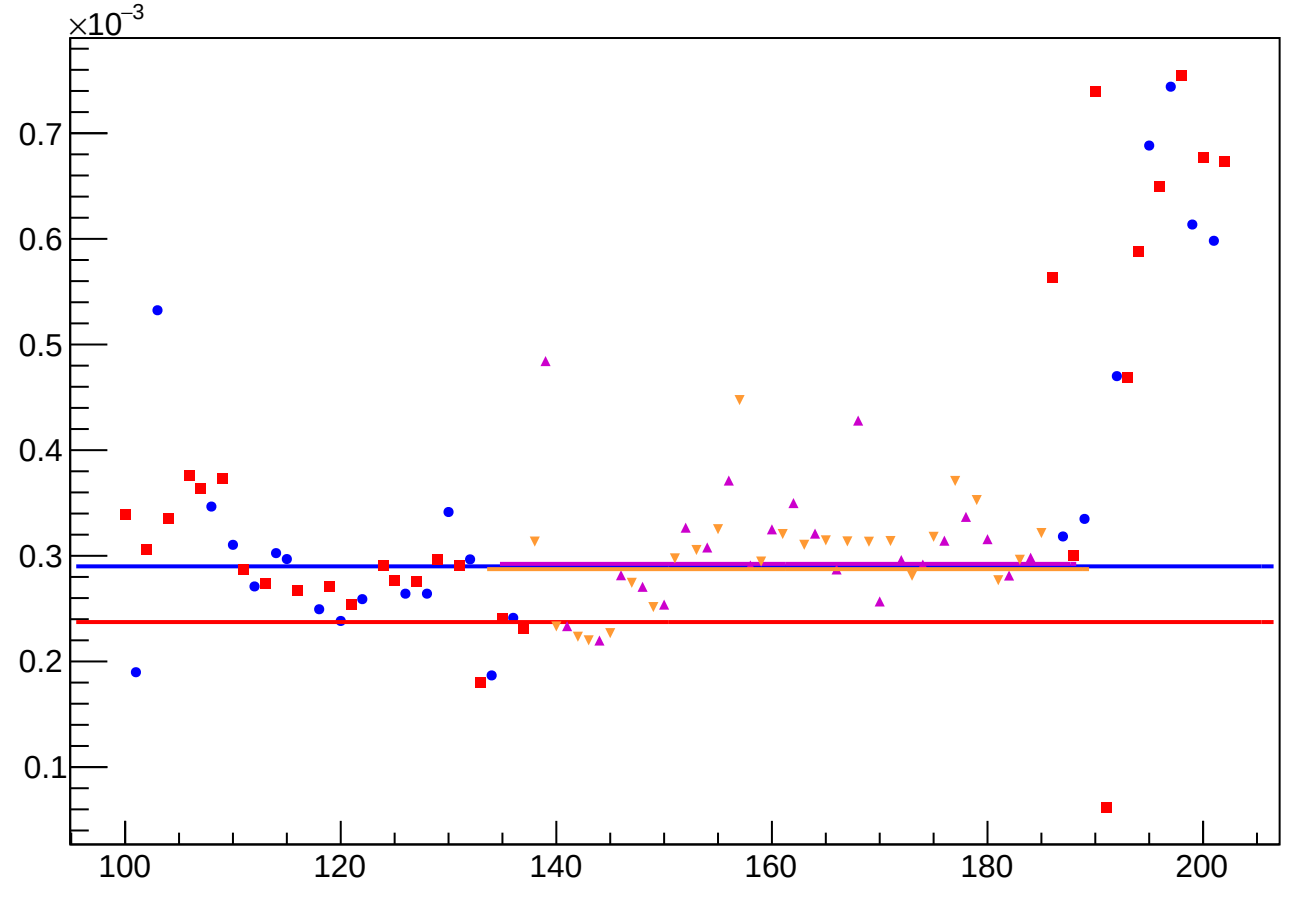
Right Out: 0.016+/-0.000 χ^2/NDF: 25160812455.7/28

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9158998459.7/47

All: 0.024+/-0.000 χ^2/NDF: 49795133173.0/9

- sign 0.023+/-0.000 χ^2/NDF: 39089212877.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 3275477.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

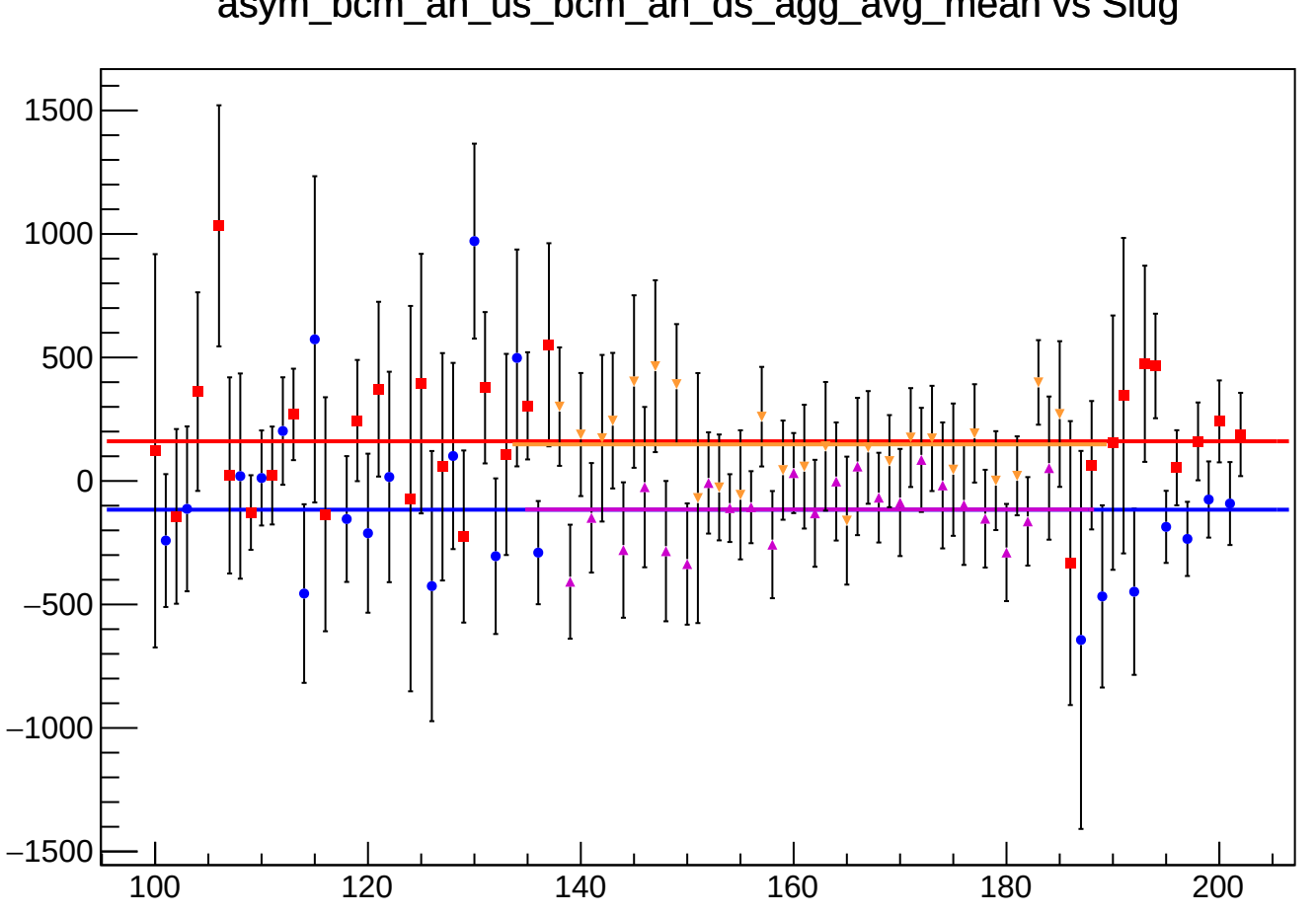
Right Out: 0.000+/-0.000 χ^2/NDF: 8197745.5/28

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4098019.3/47

All: 0.000+/-0.000 χ^2/NDF: 13957073.2/99

- sign 0.000+/-0.000 χ^2/NDF: 9705805.6/51



Right In: -116.312+/-52.785 χ^2/NDF: 19.6/22

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 160.685+/-48.582 χ^2/NDF: 17.5/28

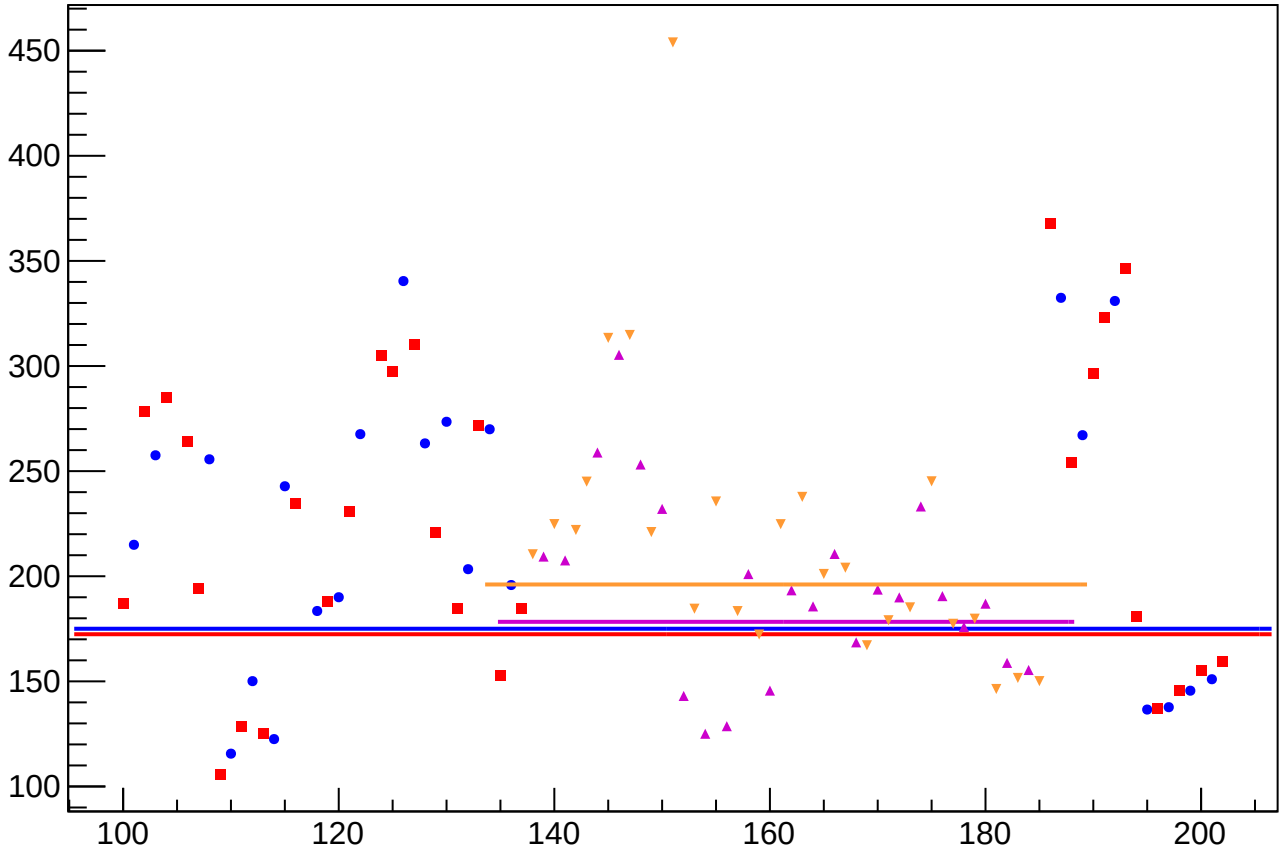
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 33.450+/-34.773 χ^2/NDF: 44.2/47

All: 19.636+/-23.719 χ^2/NDF: 87.7/99

- sign 7.616+/-32.435 χ^2/NDF: 43.2/51

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 175.029+/-0.037 χ^2/NDF: 2183595.5/22

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 172.415+/-0.034 χ^2/NDF: 2900612.5/28

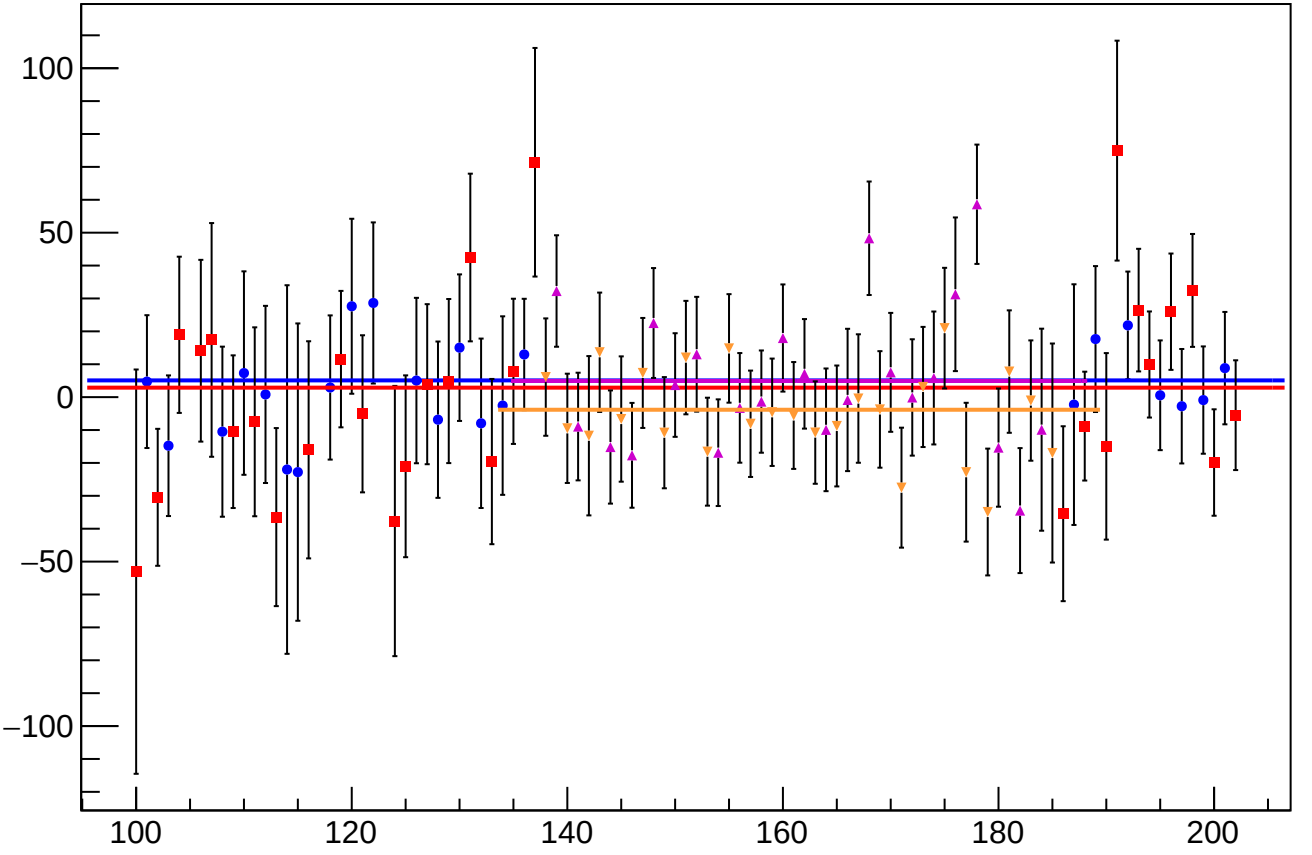
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 186.948+/-0.025 χ^2/NDF: 4182250.3/47

All: 180.926+/-0.017 χ^2/NDF: 8889742.3/99

- sign 175.686+/-0.023 χ^2/NDF: 4595316.2/51

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.090+/-4.620 χ^2/NDF: 6.4/22

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

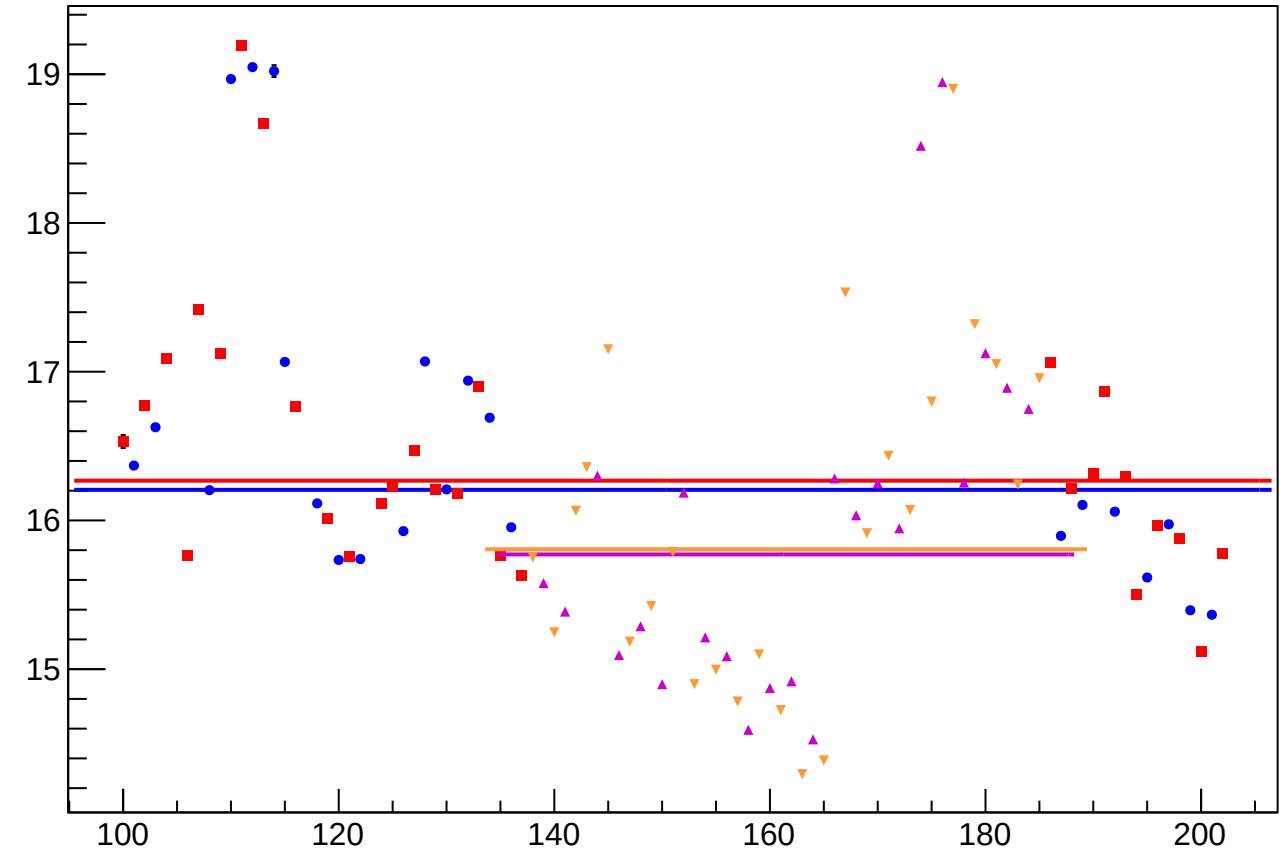
Right Out: 2.885+/-4.263 χ^2/NDF: 32.6/28

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign -0.460+/-2.841 χ^2/NDF: 21.6/47

All: 1.828+/-1.991 χ^2/NDF: 89.4/99

- sign 4.037+/-2.792 χ^2/NDF: 66.6/51



Right In: 16.206+/-0.003 χ^2/NDF: 64836.2/22

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

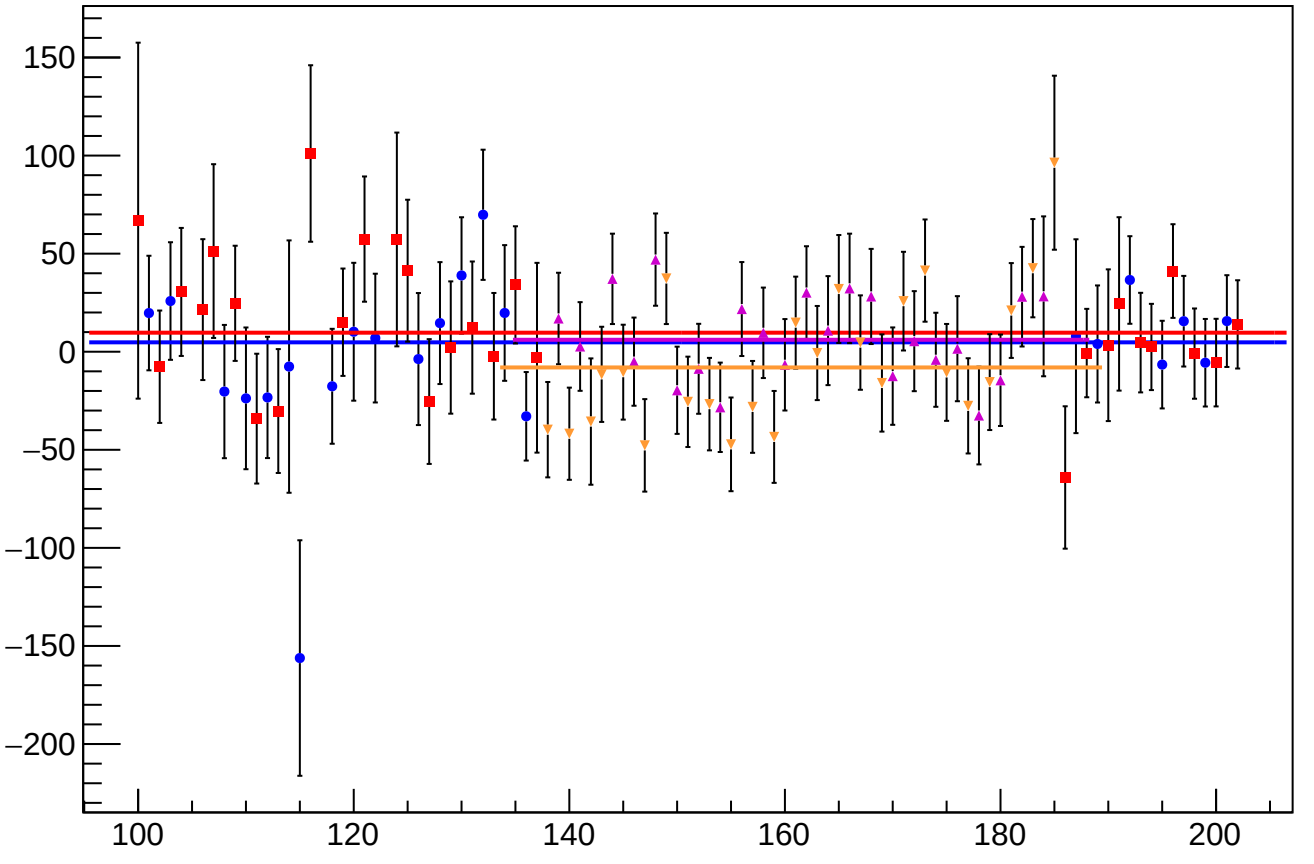
Right Out: 16.267+/-0.003 χ^2/NDF: 70786.0/28

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 15.957+/-0.002 χ^2/NDF: 246783.5/47

All: 15.971+/-0.001 χ^2/NDF: 485241.6/99

\- sign 15.984+/-0.002 χ^2/NDF: 238367.8/51



Right In: 4.783+/-6.155 χ^2/NDF: 21.8/22

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

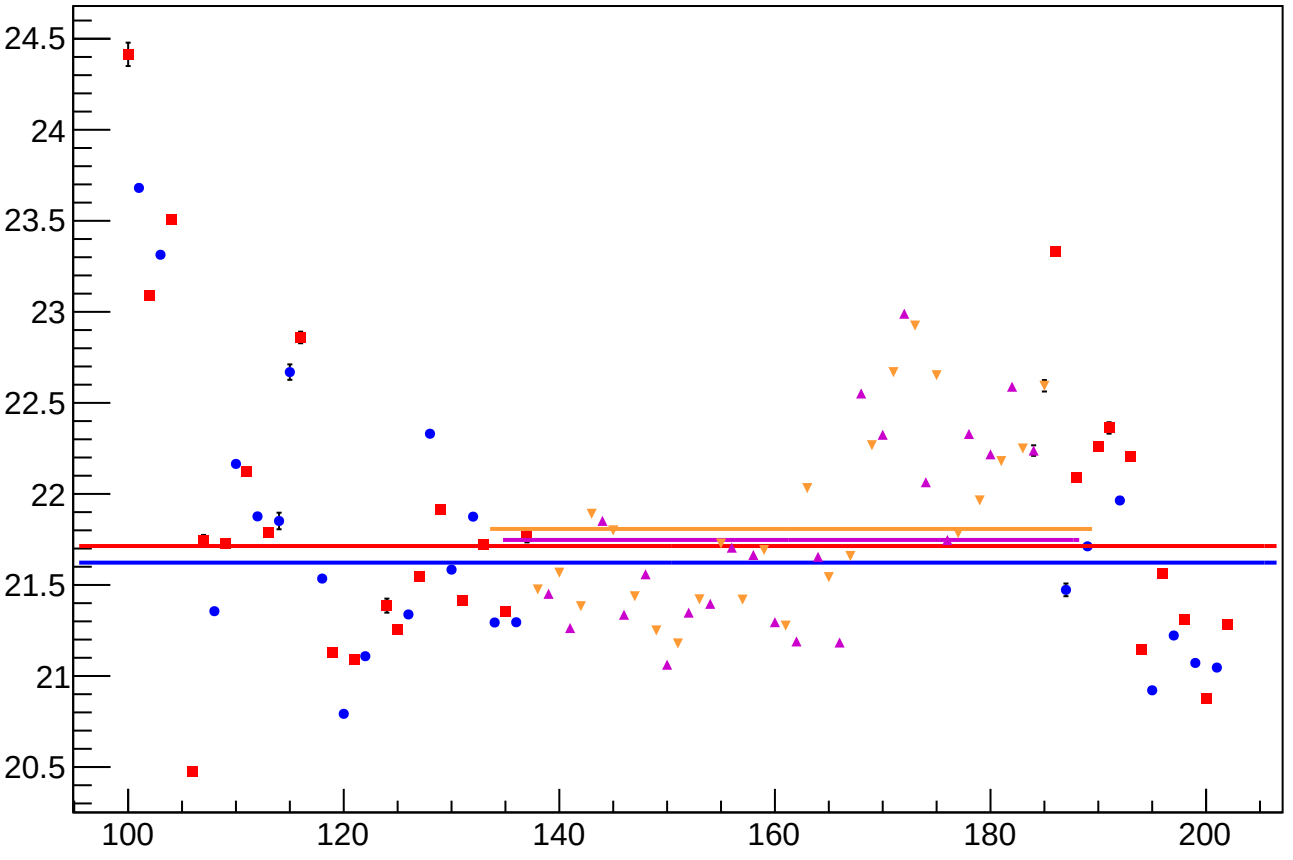
Right Out: 9.705+/-5.683 χ^2/NDF: 22.9/28

Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -2.981+/-3.860 χ^2/NDF: 63.3/47

All: 2.457+/-2.703 χ^2/NDF: 108.2/99

- sign 7.693+/-3.787 χ^2/NDF: 41.0/51



Right In: 21.623+/-0.004 χ^2/NDF: 26677.2/22

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

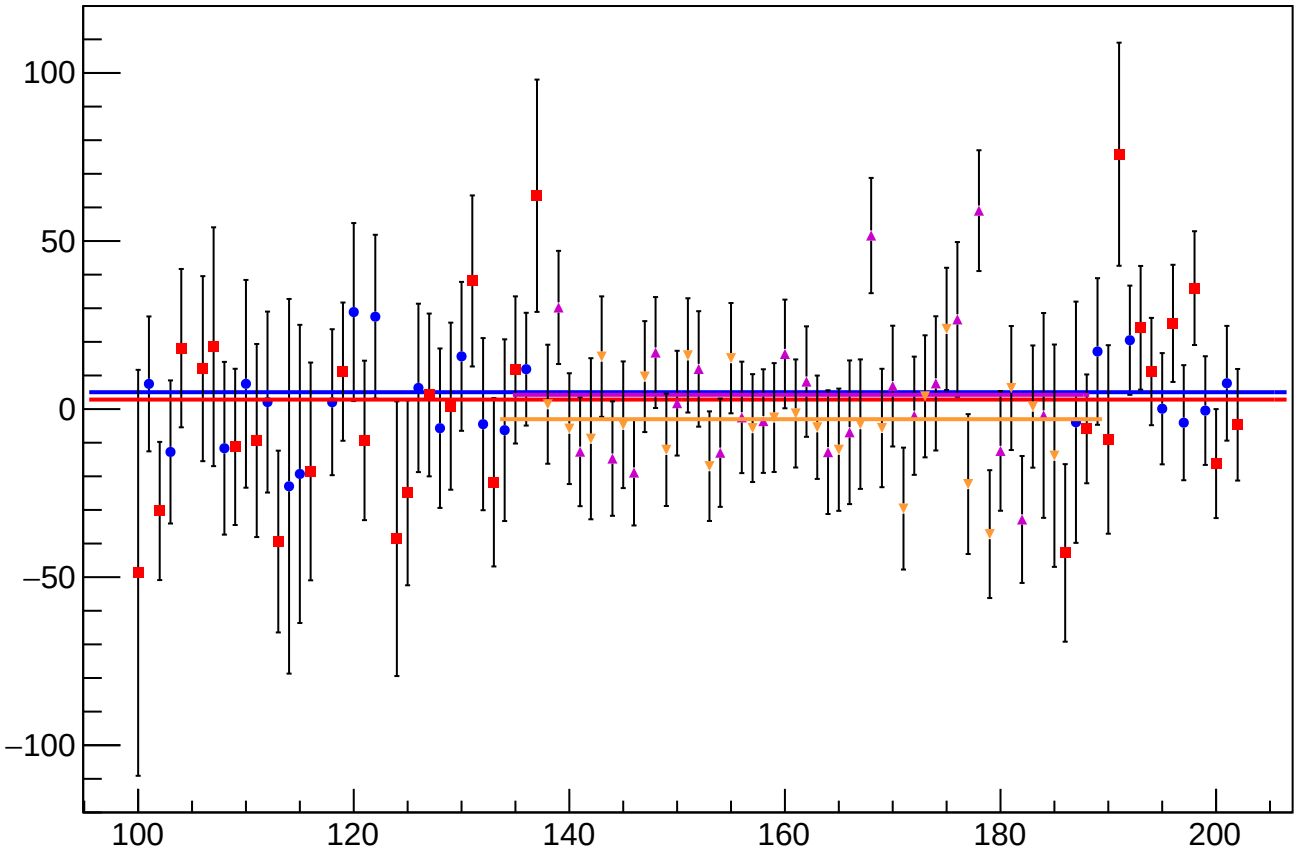
Right Out: 21.714+/-0.004 χ^2/NDF: 30762.8/28

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.735+/-0.003 χ^2/NDF: 45336.0/47

All: 21.734+/-0.002 χ^2/NDF: 96698.7/99

- sign 21.732+/-0.003 χ^2/NDF: 51362.3/51



Right In: 5.025+/-4.586 χ^2/NDF: 6.1/22

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

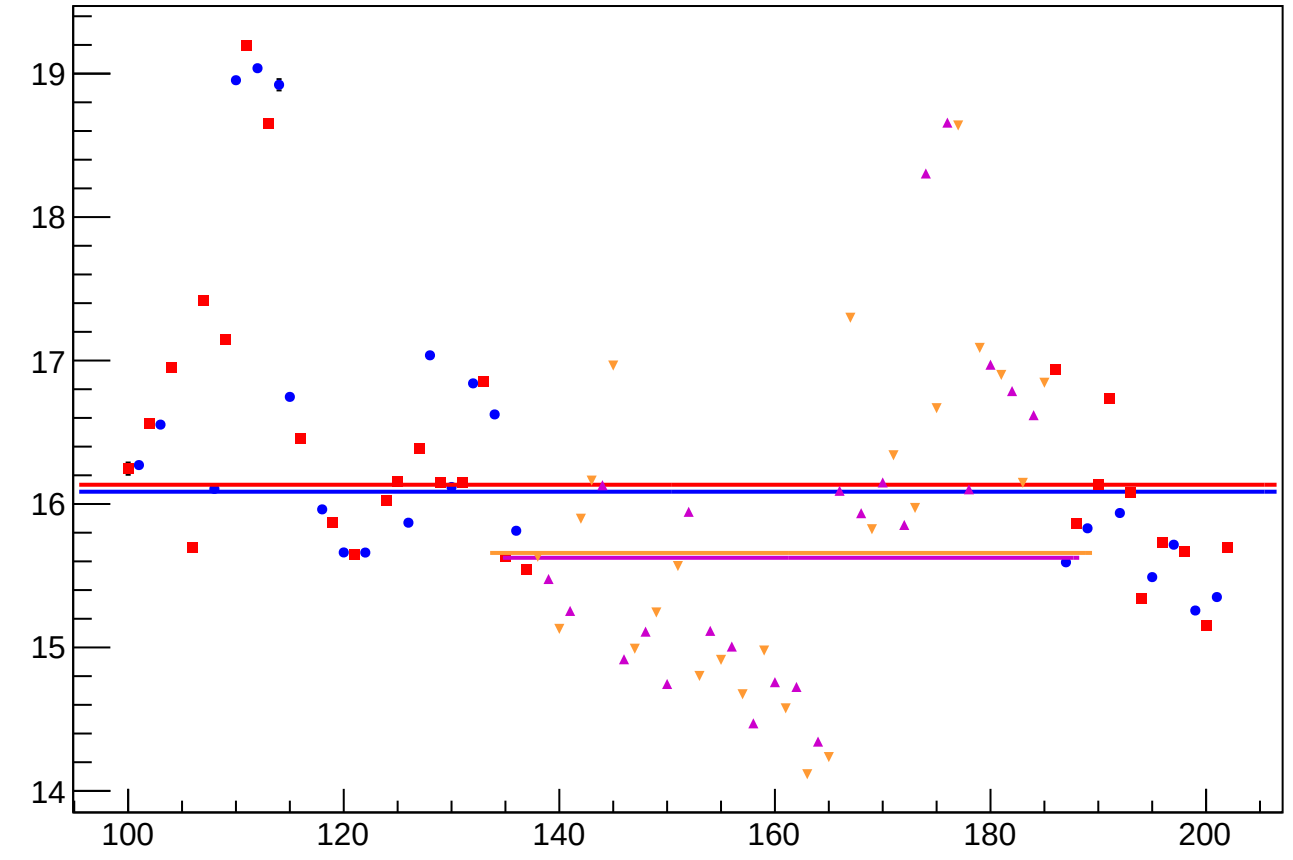
Right Out: 2.833+/-4.229 χ^2/NDF: 33.1/28

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign 0.025+/-2.816 χ^2/NDF: 22.6/47

All: 1.865+/-1.974 χ^2/NDF: 90.5/99

- sign 3.642+/-2.768 χ^2/NDF: 67.0/51



Right In: 16.086+/-0.003 χ^2/NDF: 68946.9/22

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

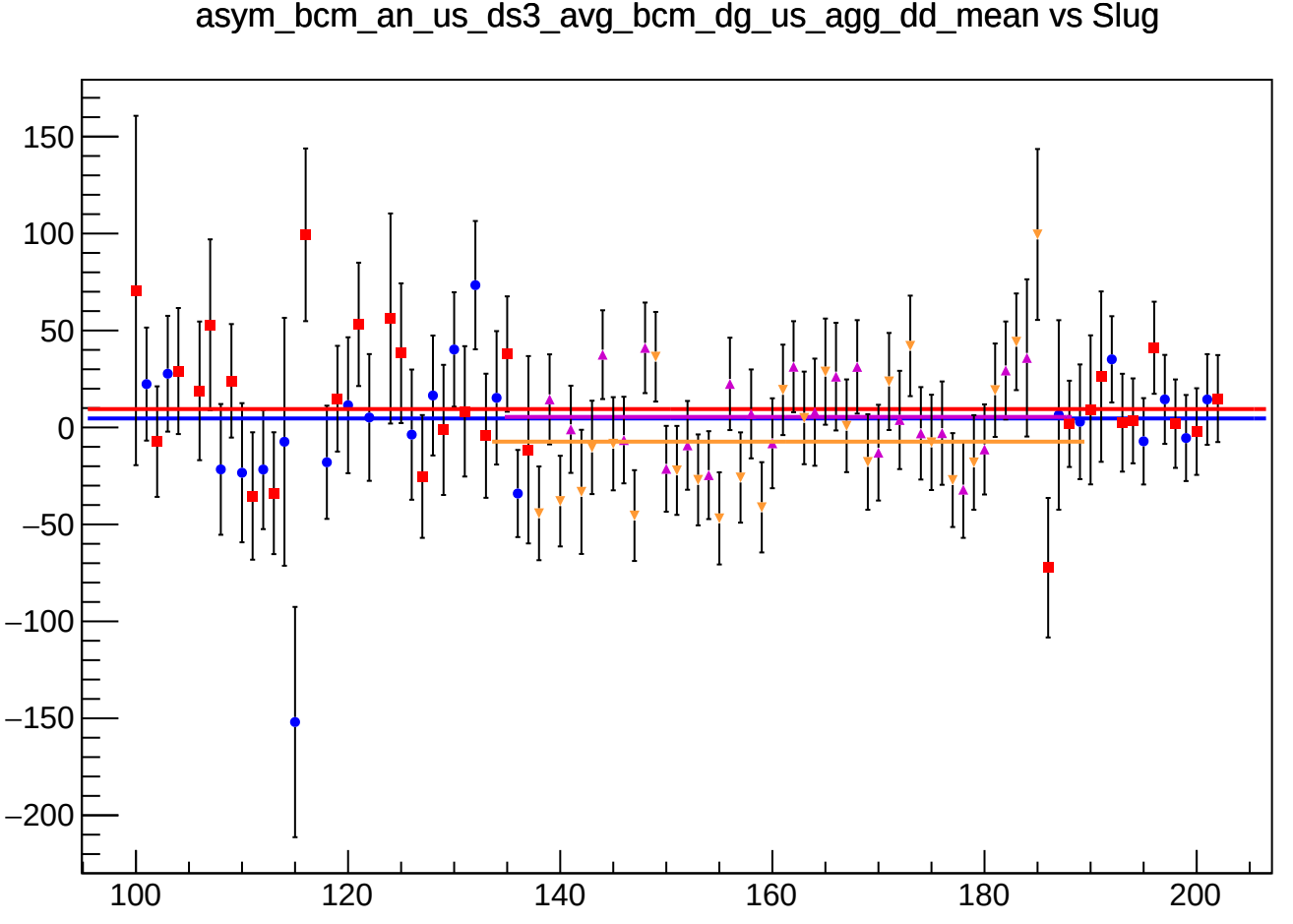
Right Out: 16.134+/-0.003 χ^2/NDF: 74429.1/28

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.820+/-0.002 χ^2/NDF: 249569.8/47

All: 15.832+/-0.001 χ^2/NDF: 491075.9/99

- sign 15.843+/-0.002 χ^2/NDF: 241436.6/51



Right In: 4.637+/-6.126 χ^2/NDF: 22.3/22

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

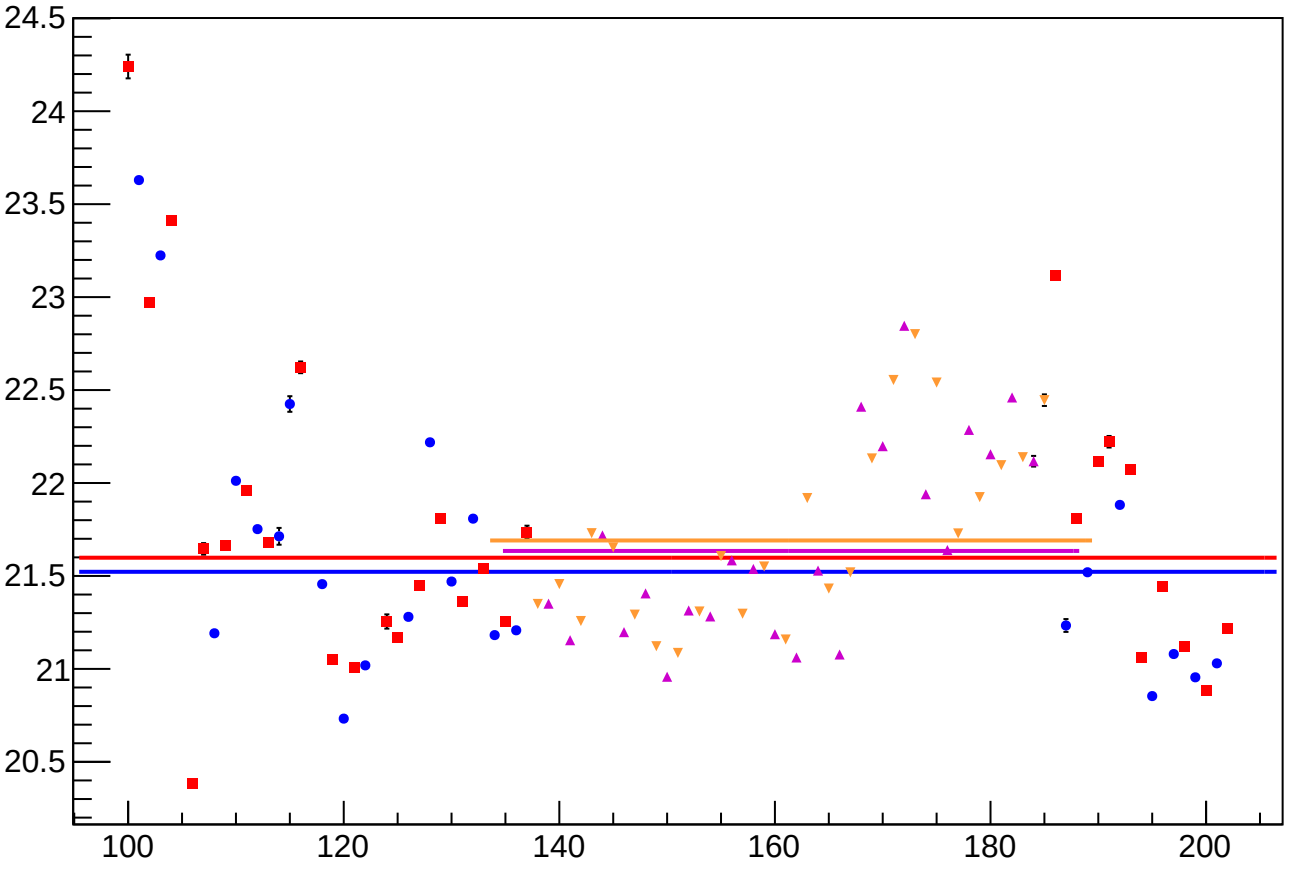
Right Out: 9.485+/-5.653 χ^2/NDF: 24.0/28

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -2.620+/-3.840 χ^2/NDF: 63.2/47

All: 2.402+/-2.689 χ^2/NDF: 108.2/99

- sign 7.234+/-3.768 χ^2/NDF: 41.6/51



Right In: 21.522+/-0.004 χ^2/NDF: 26810.7/22

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.598+/-0.004 χ^2/NDF: 28604.9/28

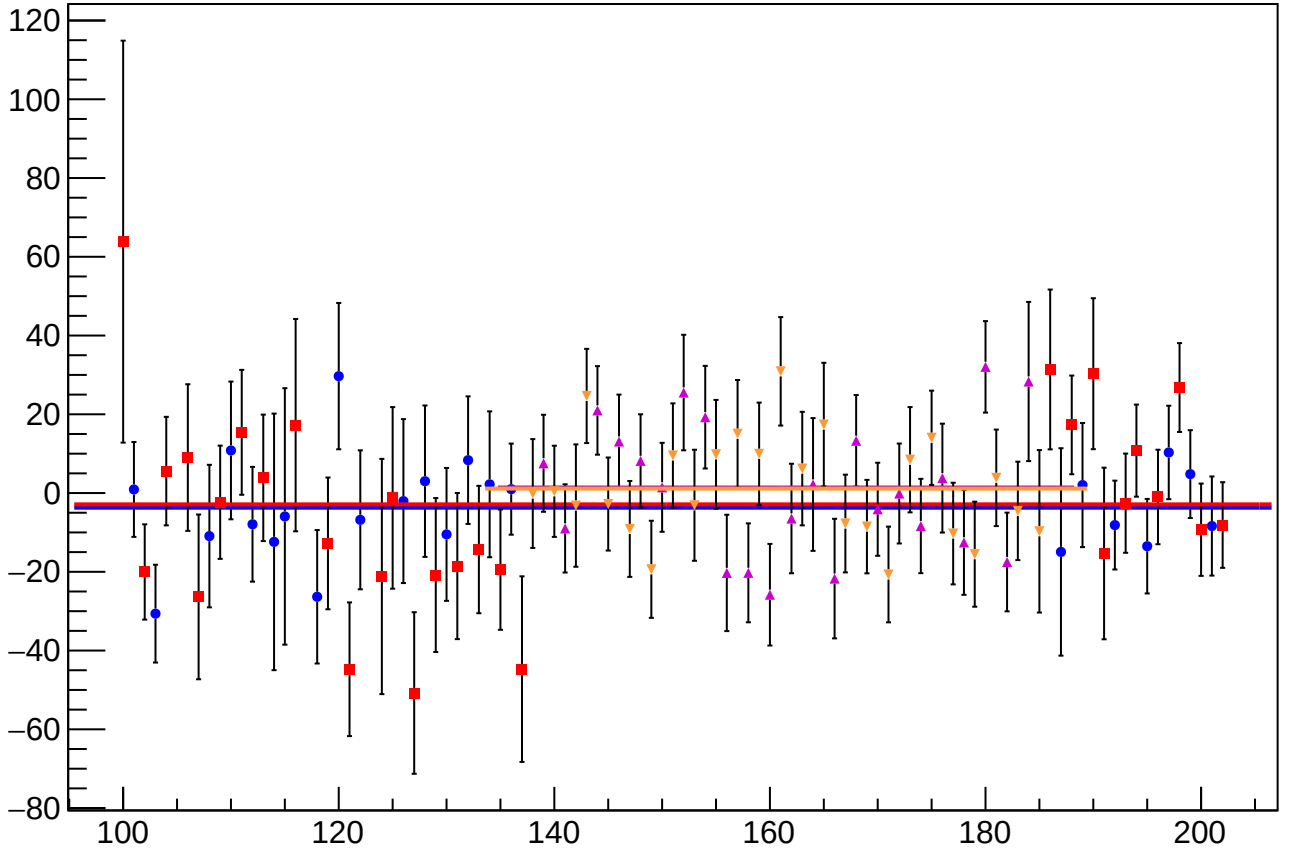
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.625+/-0.003 χ^2/NDF: 45664.7/47

All: 21.621+/-0.002 χ^2/NDF: 94879.9/99

- sign 21.618+/-0.003 χ^2/NDF: 49212.5/51

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.709+/-3.157 χ^2/NDF: 15.3/22

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -2.872+/-2.919 χ^2/NDF: 44.1/28

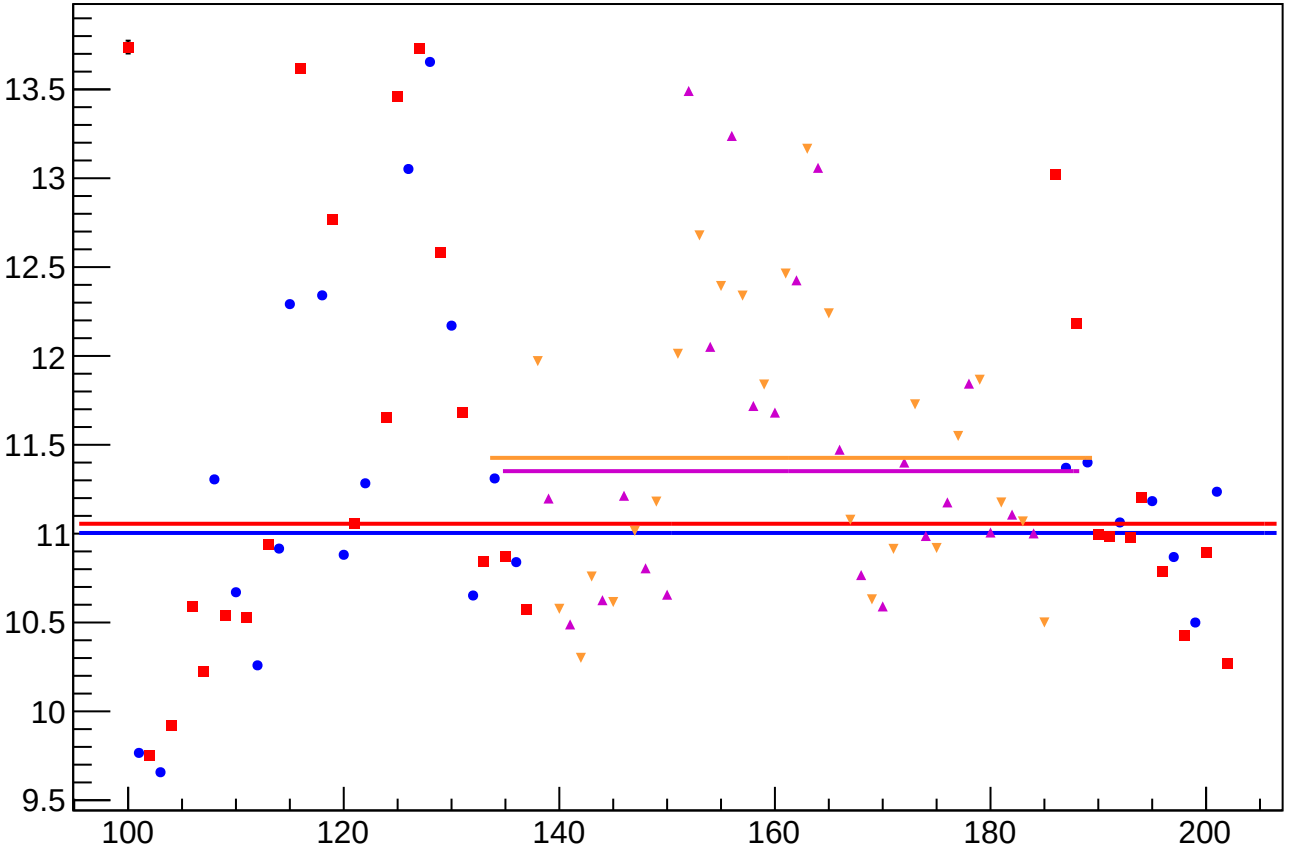
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.839+/-2.016 χ^2/NDF: 41.2/47

All: -0.689+/-1.410 χ^2/NDF: 122.8/99

- sign -0.545+/-1.972 χ^2/NDF: 81.6/51

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.004+/-0.002 χ^2/NDF: 143340.6/22

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

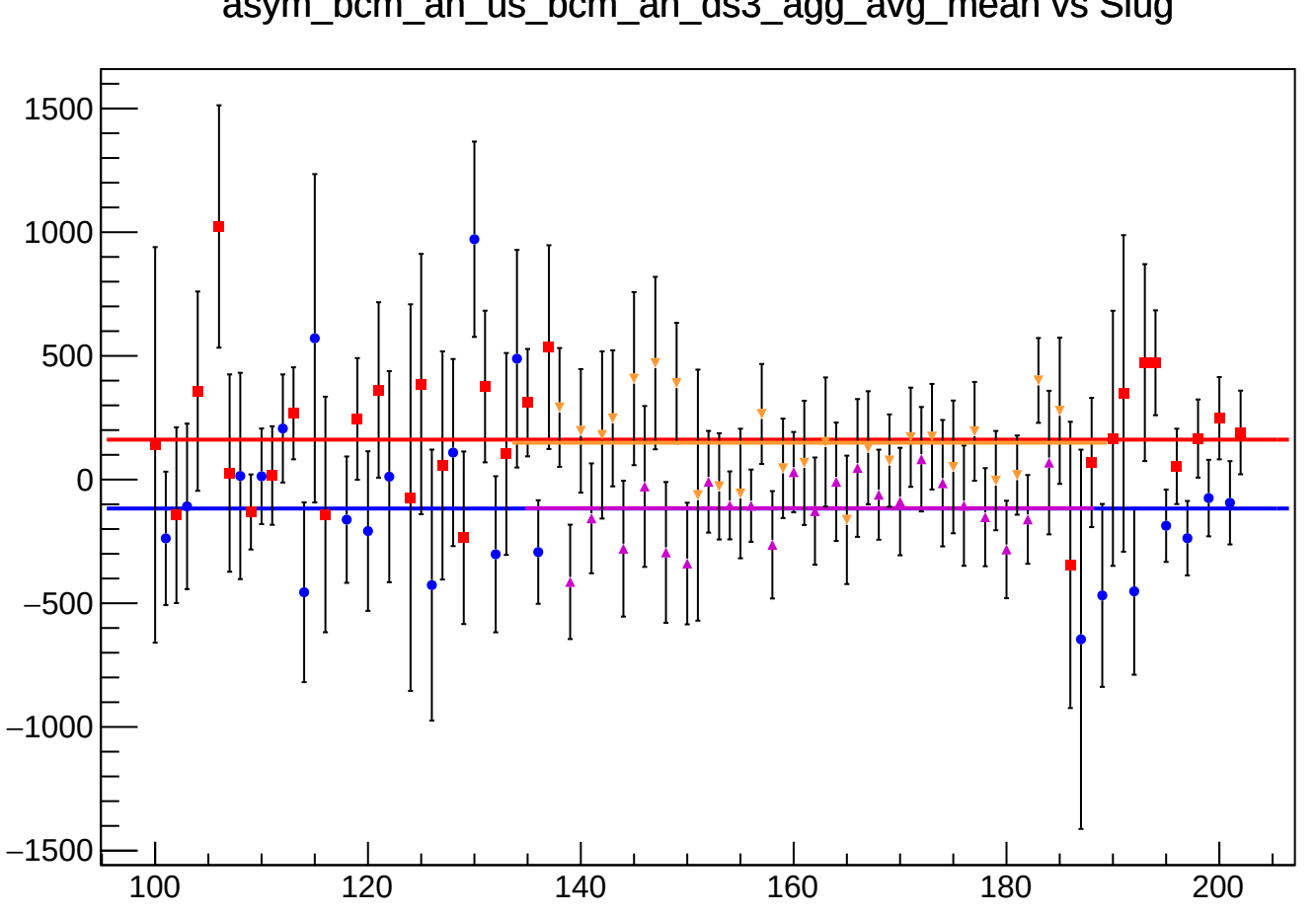
Right Out: 11.056+/-0.002 χ^2/NDF: 216676.4/28

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.254+/-0.001 χ^2/NDF: 321532.7/47

All: 11.235+/-0.001 χ^2/NDF: 720313.5/99

- sign 11.217+/-0.001 χ^2/NDF: 398426.9/51



Right In: -117.044+/-52.929 χ^2/NDF: 19.6/22

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

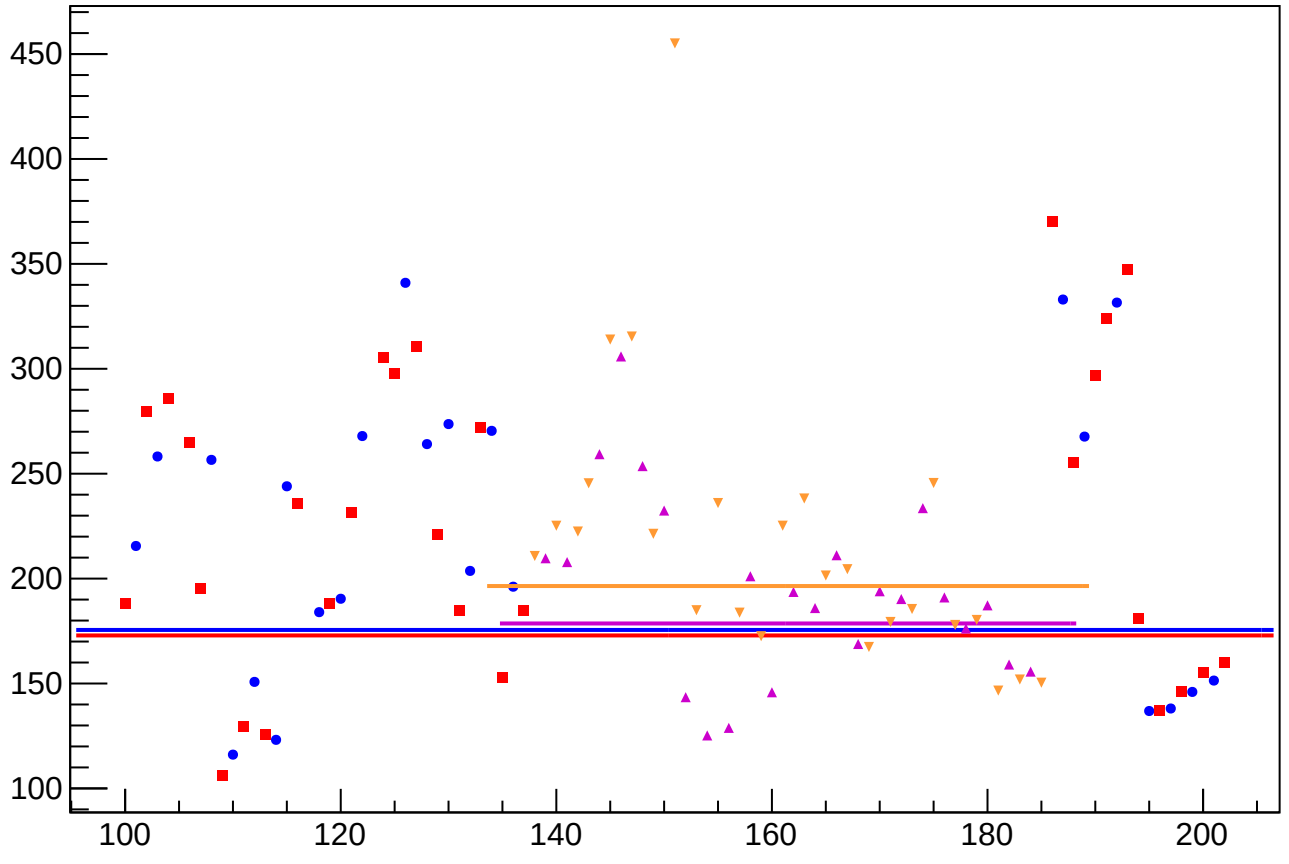
Right Out: 161.399+/-48.718 χ^2/NDF: 17.6/28

Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 33.600+/-34.851 χ^2/NDF: 44.4/47

All: 19.727+/-23.771 χ^2/NDF: 88.0/99

- sign 7.658+/-32.506 χ^2/NDF: 43.3/51



Right In: 175.529+/-0.037 χ^2/NDF: 2177915.9/22

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.908+/-0.034 χ^2/NDF: 2897284.5/28

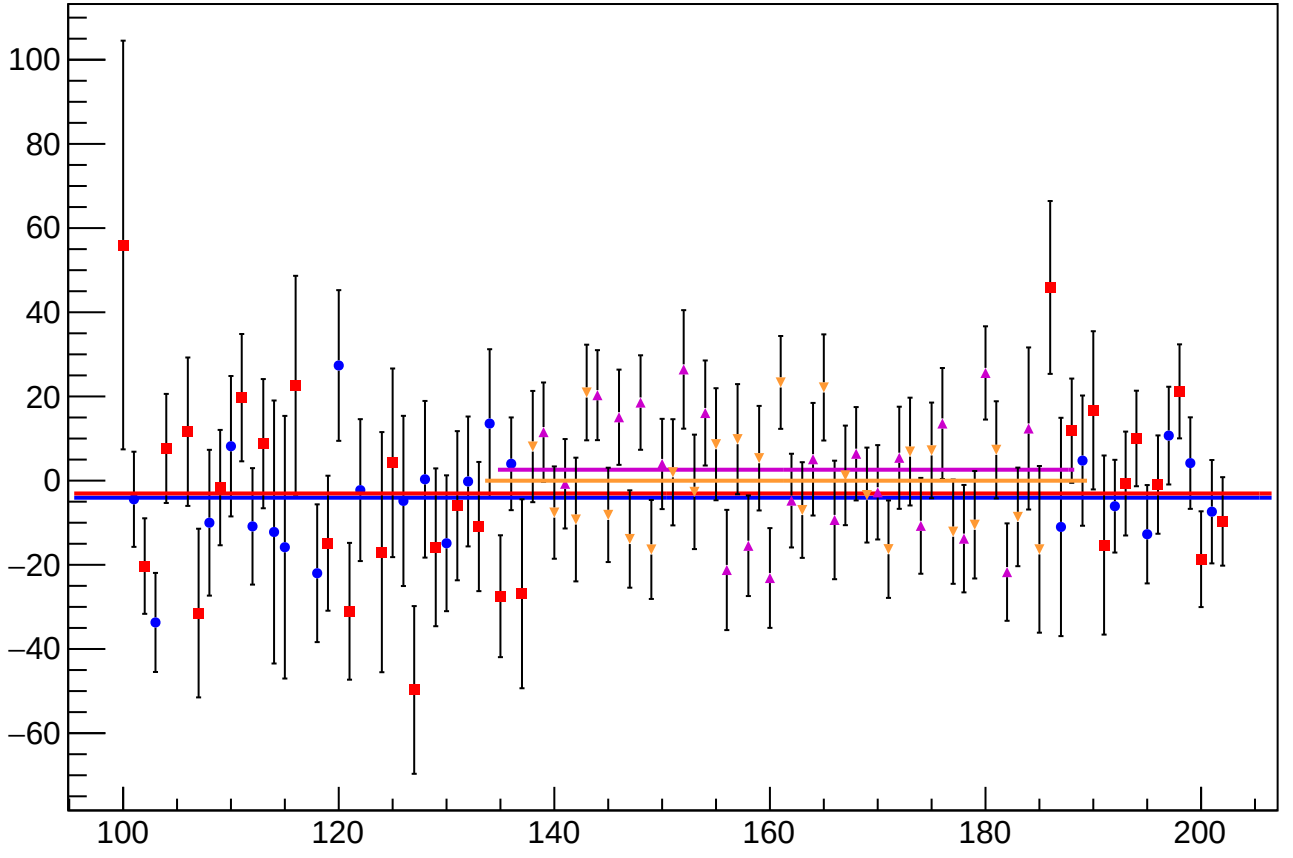
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 187.382+/-0.025 χ^2/NDF: 4173732.7/47

All: 181.335+/-0.017 χ^2/NDF: 8877700.2/99

- sign 176.074+/-0.023 χ^2/NDF: 4591364.7/51

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -4.056+/-3.040 χ^2/NDF: 17.1/22

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.051+/-2.816 χ^2/NDF: 42.1/28

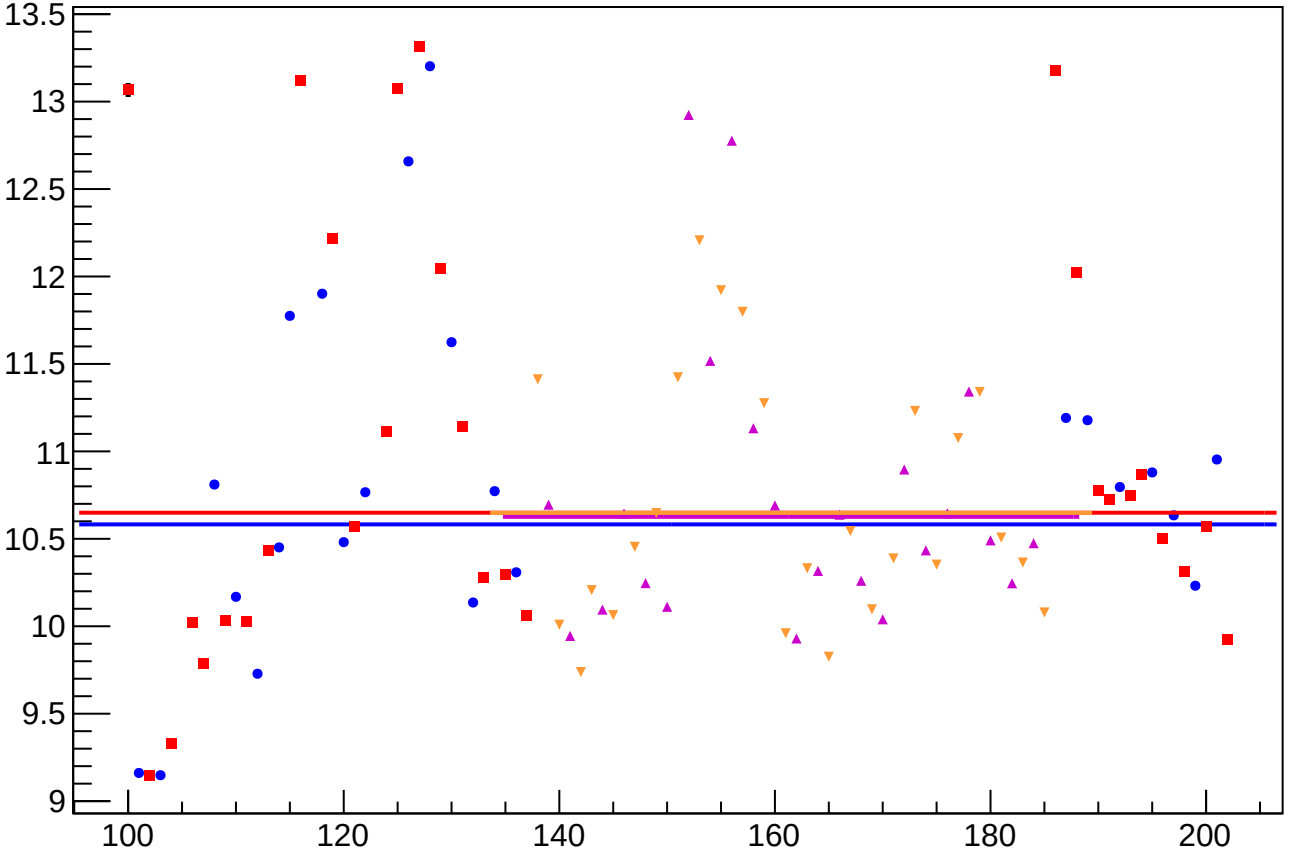
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.603+/-1.905 χ^2/NDF: 41.9/47

All: -0.738+/-1.335 χ^2/NDF: 121.4/99

- sign 0.098+/-1.872 χ^2/NDF: 79.1/51

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.582+/-0.002 χ^2/NDF: 169038.8/22

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

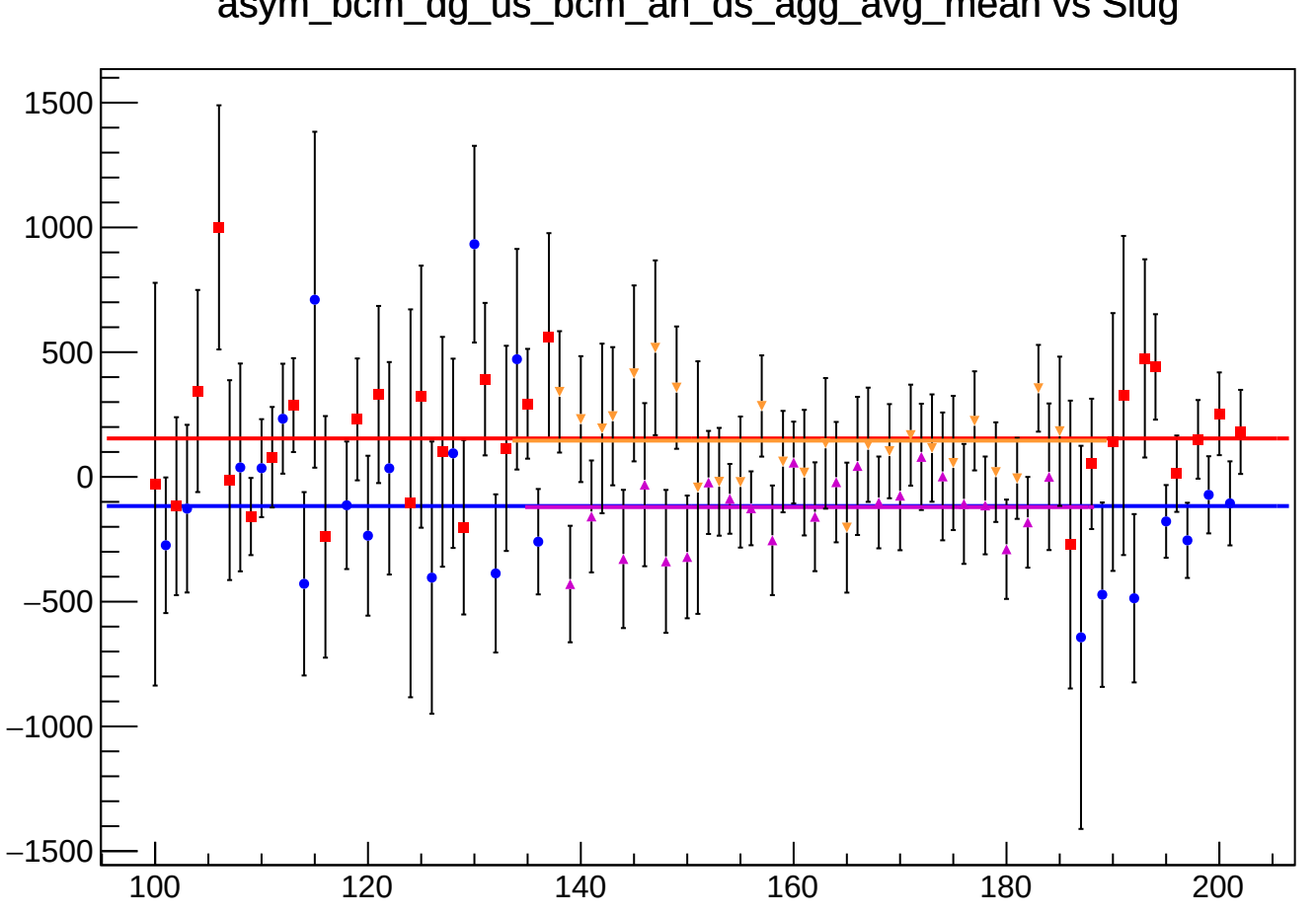
Right Out: 10.649+/-0.002 χ^2/NDF: 256002.4/28

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.622+/-0.001 χ^2/NDF: 313143.3/47

All: 10.629+/-0.001 χ^2/NDF: 728819.3/99

- sign 10.636+/-0.001 χ^2/NDF: 415623.7/51



Right In: -116.738+/-53.077 χ^2/NDF: 20.4/22

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 154.217+/-48.922 χ^2/NDF: 17.5/28

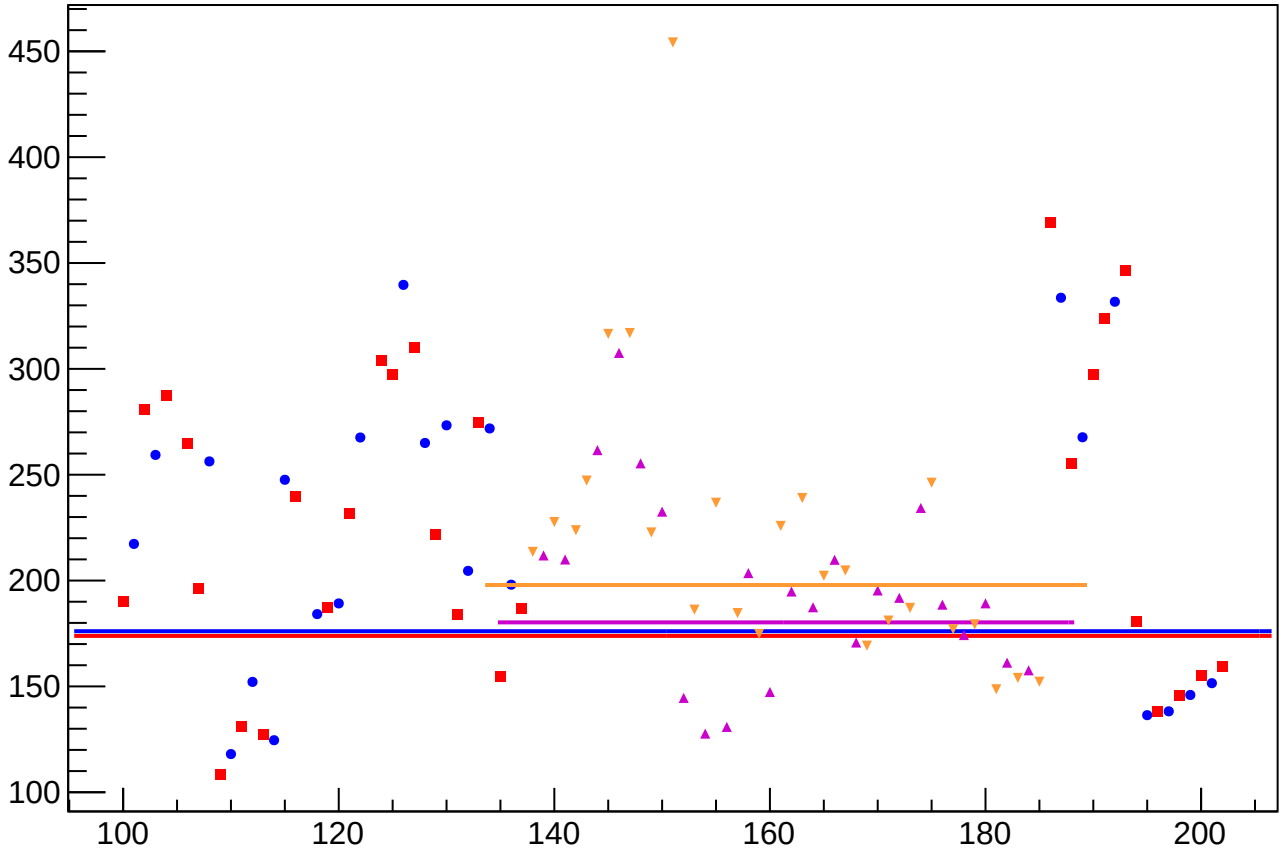
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 31.339+/-35.024 χ^2/NDF: 44.5/47

All: 15.732+/-23.907 χ^2/NDF: 88.1/99

- sign 2.116+/-32.712 χ^2/NDF: 43.2/51

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 176.075+/-0.038 χ^2/NDF: 2169037.5/22

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

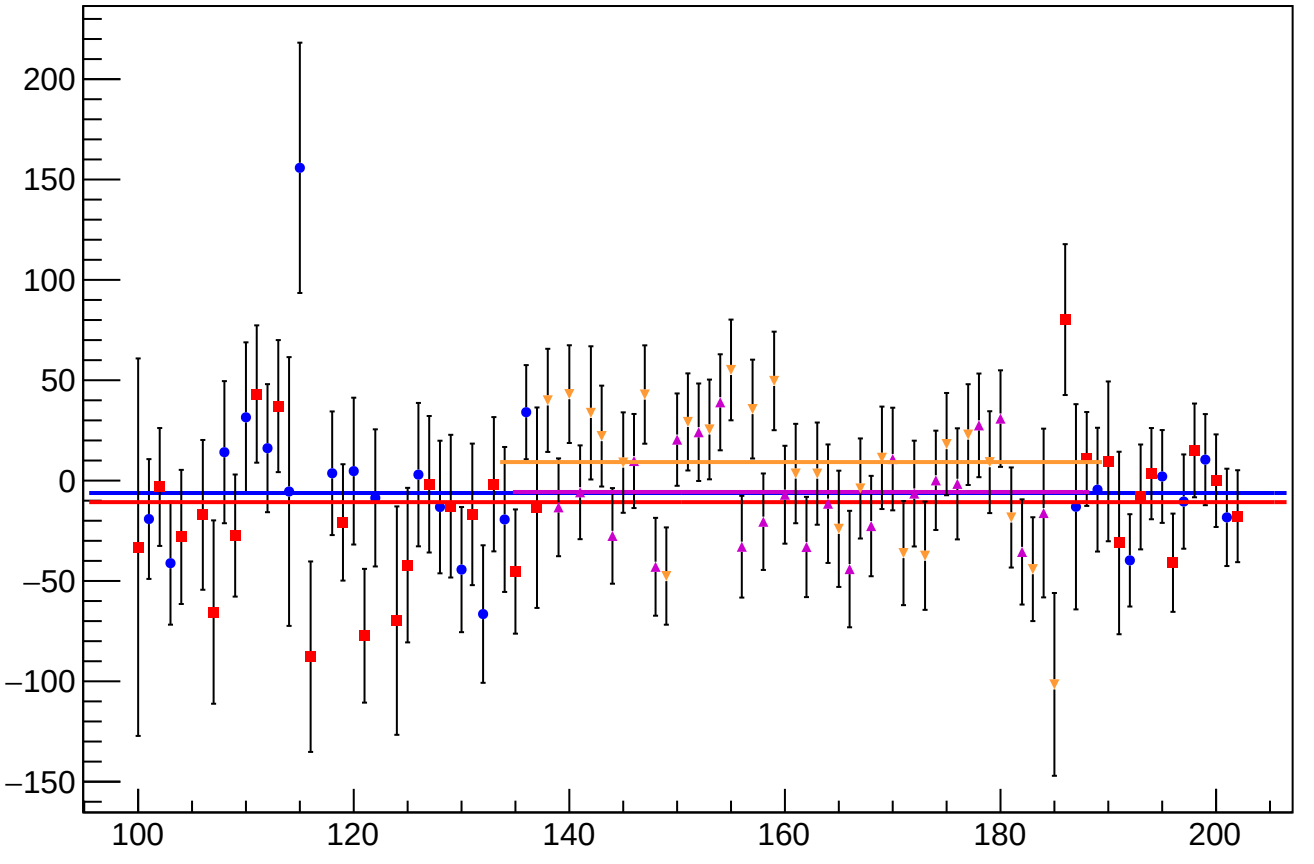
Right Out: 173.854+/-0.035 χ^2/NDF: 2840575.8/28

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 188.391+/-0.025 χ^2/NDF: 4148639.7/47

All: 182.515+/-0.017 χ^2/NDF: 8741277.2/99

- sign 177.389+/-0.023 χ^2/NDF: 4487238.7/51



Right In: -6.183+/-6.370 χ^2/NDF: 21.2/22

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -10.727+/-5.884 χ^2/NDF: 27.3/28

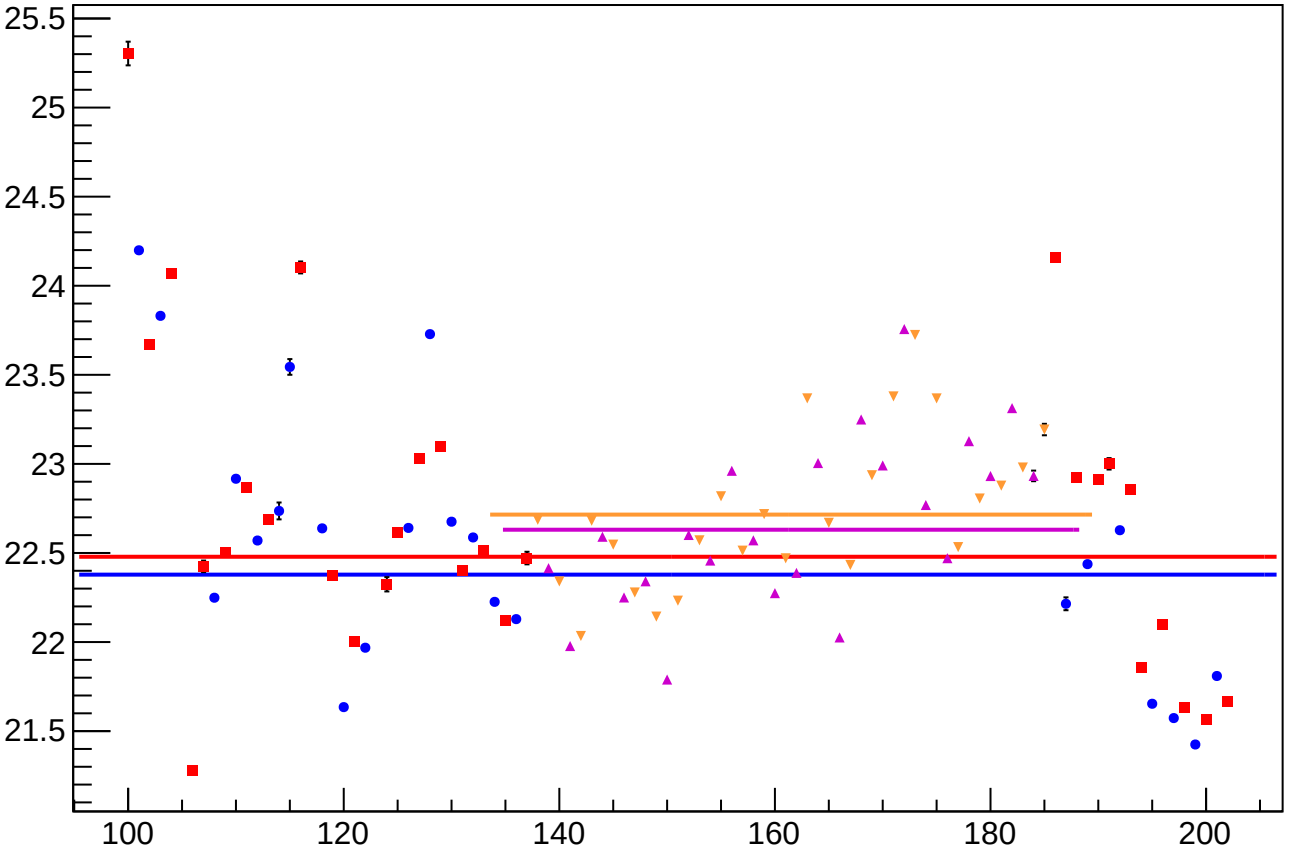
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.123+/-4.011 χ^2/NDF: 64.1/47

All: -2.511+/-2.808 χ^2/NDF: 116.5/99

- sign -7.927+/-3.932 χ^2/NDF: 48.5/51

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.378+/-0.005 χ^2/NDF: 27643.6/22

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

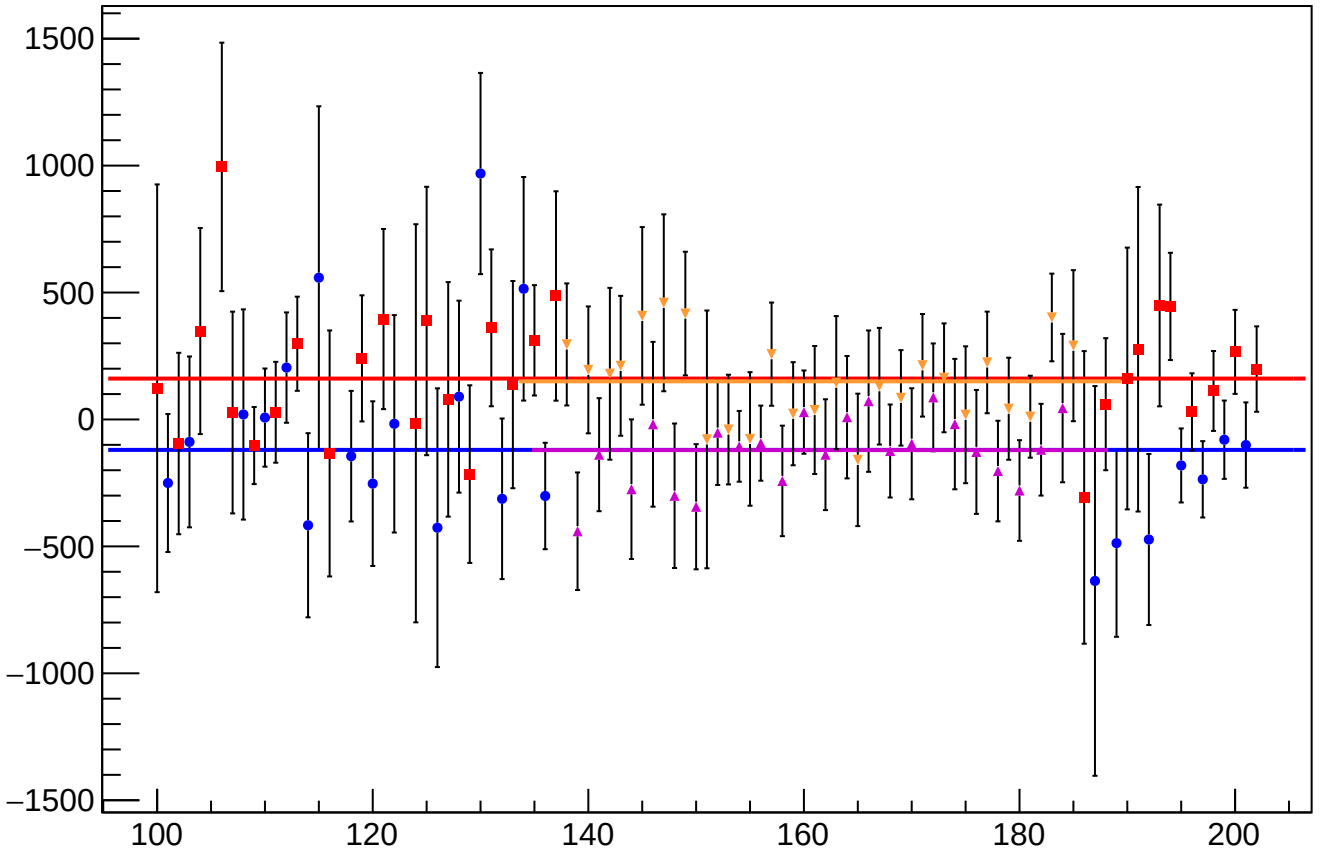
Right Out: 22.479+/-0.004 χ^2/NDF: 32148.7/28

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.582+/-0.003 χ^2/NDF: 43203.9/47

All: 22.572+/-0.002 χ^2/NDF: 91503.4/99

- sign 22.563+/-0.003 χ^2/NDF: 48276.4/51



Right In: -119.872+/-52.915 χ^2/NDF: 19.7/22

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

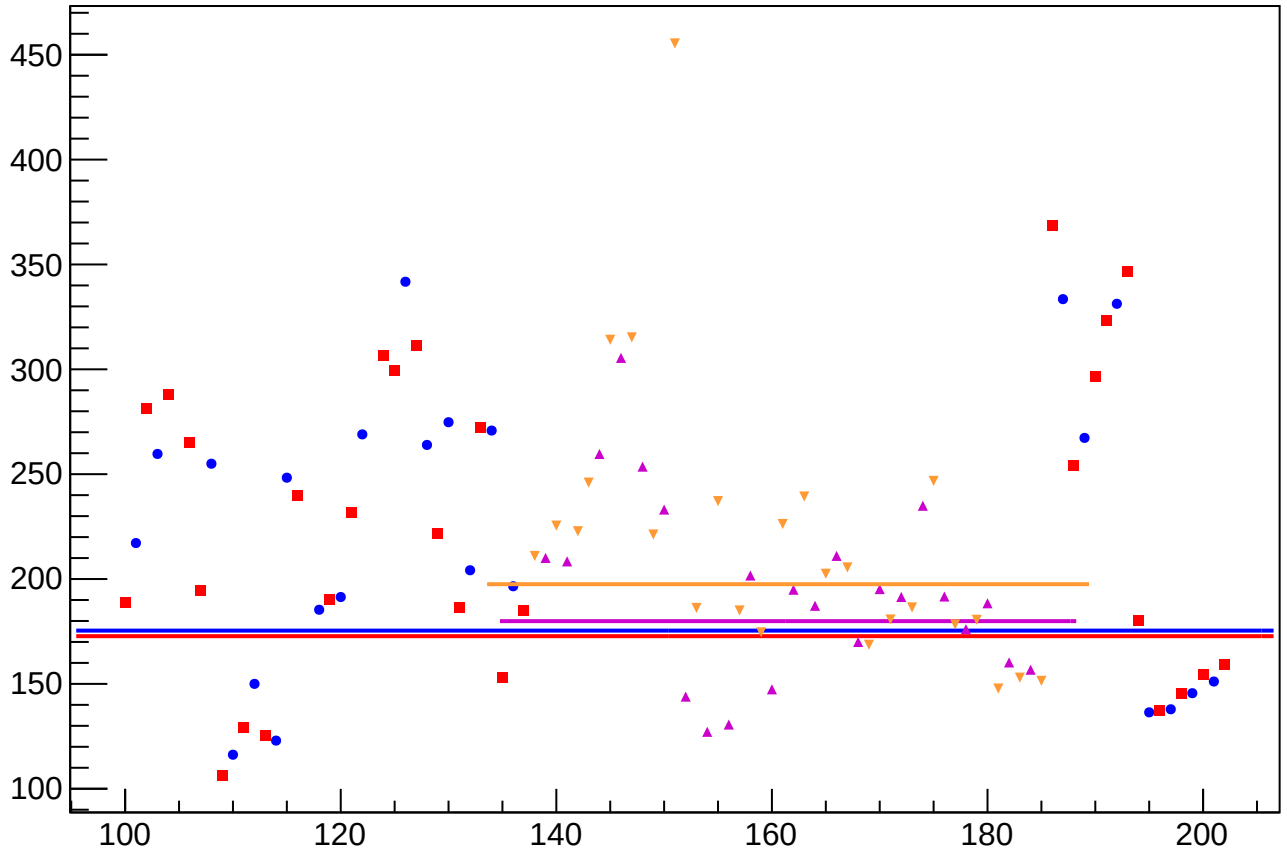
Right Out: 161.066+/-48.687 χ^2/NDF: 16.1/28

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 32.430+/-34.944 χ^2/NDF: 45.3/47

All: 18.134+/-23.842 χ^2/NDF: 88.1/99

- sign 5.683+/-32.612 χ^2/NDF: 42.4/51



Right In: 175.408+/-0.037 χ^2/NDF: 2200191.0/22

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

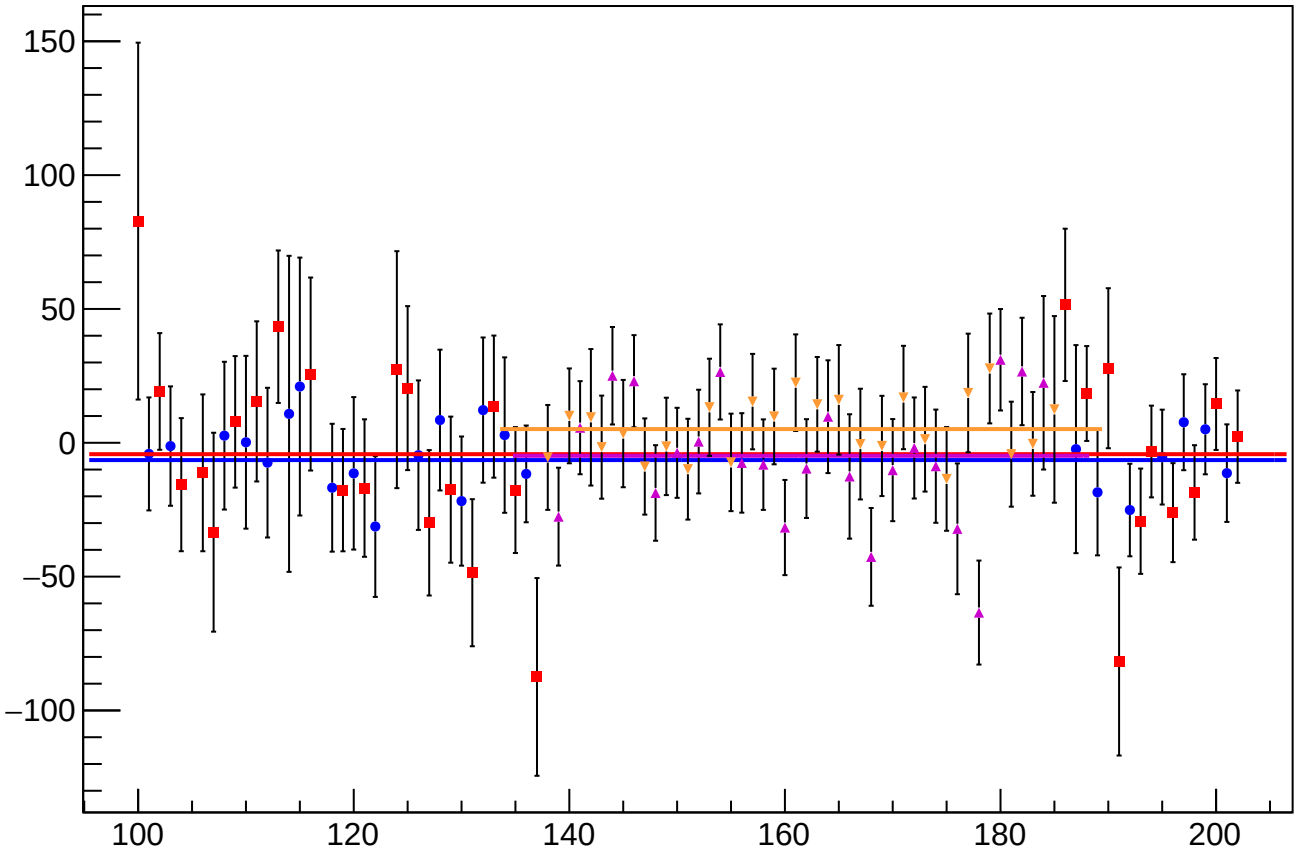
Right Out: 172.757+/-0.034 χ^2/NDF: 2916366.4/28

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 187.885+/-0.025 χ^2/NDF: 4187264.2/47

All: 181.911+/-0.017 χ^2/NDF: 8861013.1/99

- sign 176.708+/-0.023 χ^2/NDF: 4564398.3/51



Right In: -6.461+/-4.899 χ^2/NDF: 5.7/22

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

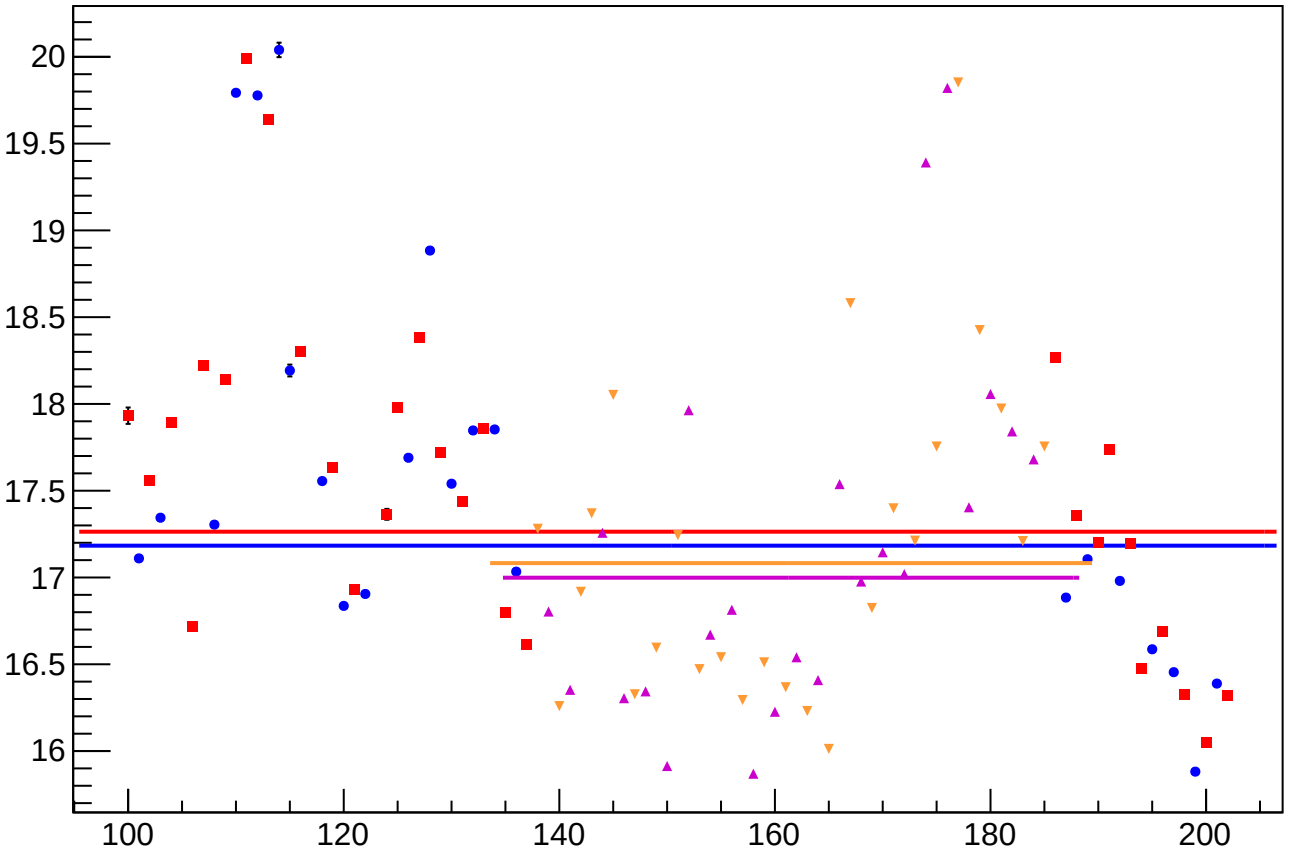
Right Out: -4.254+/-4.526 χ^2/NDF: 35.7/28

Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.642+/-3.047 χ^2/NDF: 17.1/47

All: -2.027+/-2.134 χ^2/NDF: 89.8/99

- sign -4.595+/-2.989 χ^2/NDF: 71.3/51



Right In: 17.183+/-0.003 χ^2/NDF: 70643.8/22

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

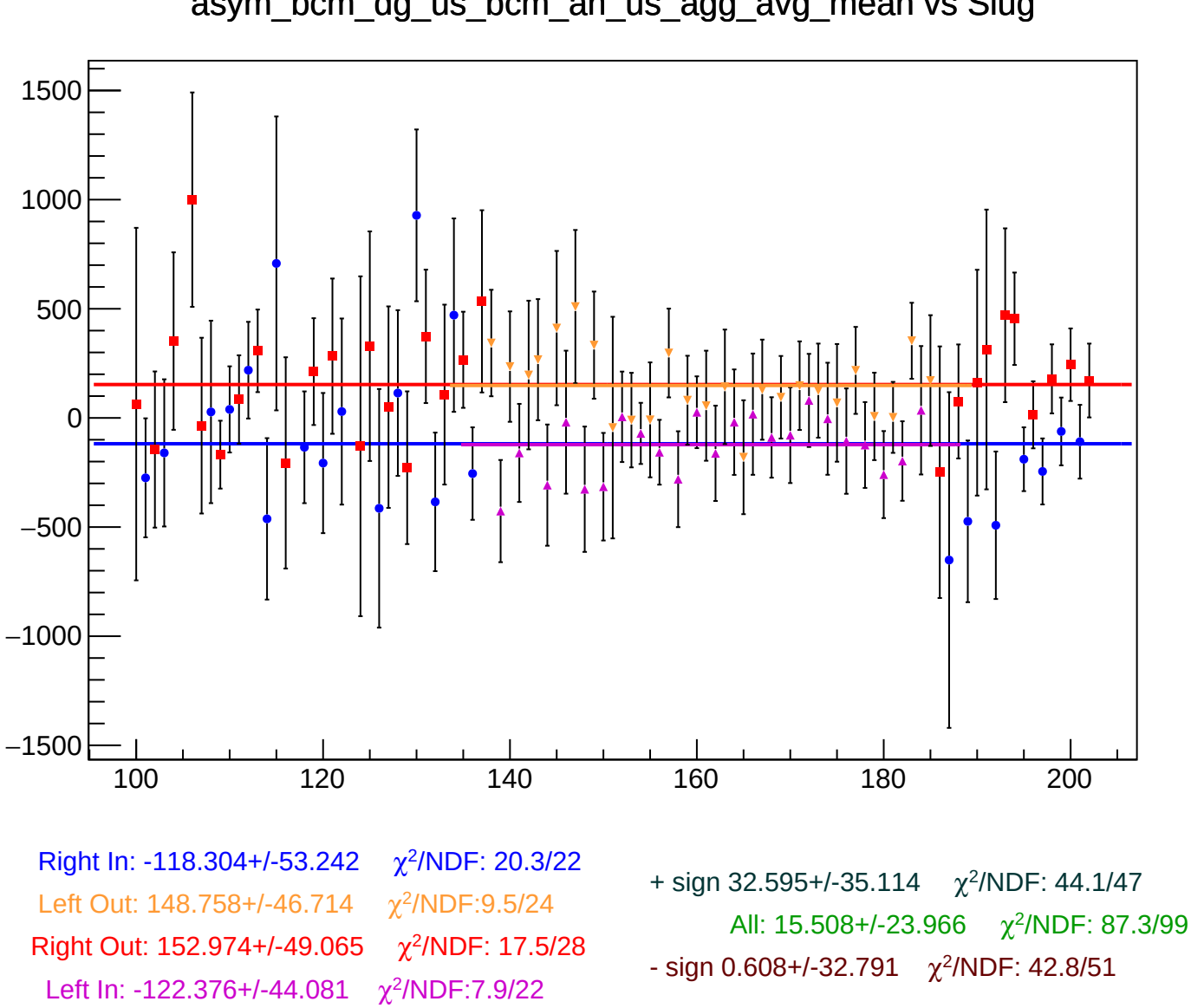
Right Out: 17.264+/-0.003 χ^2/NDF: 77676.7/28

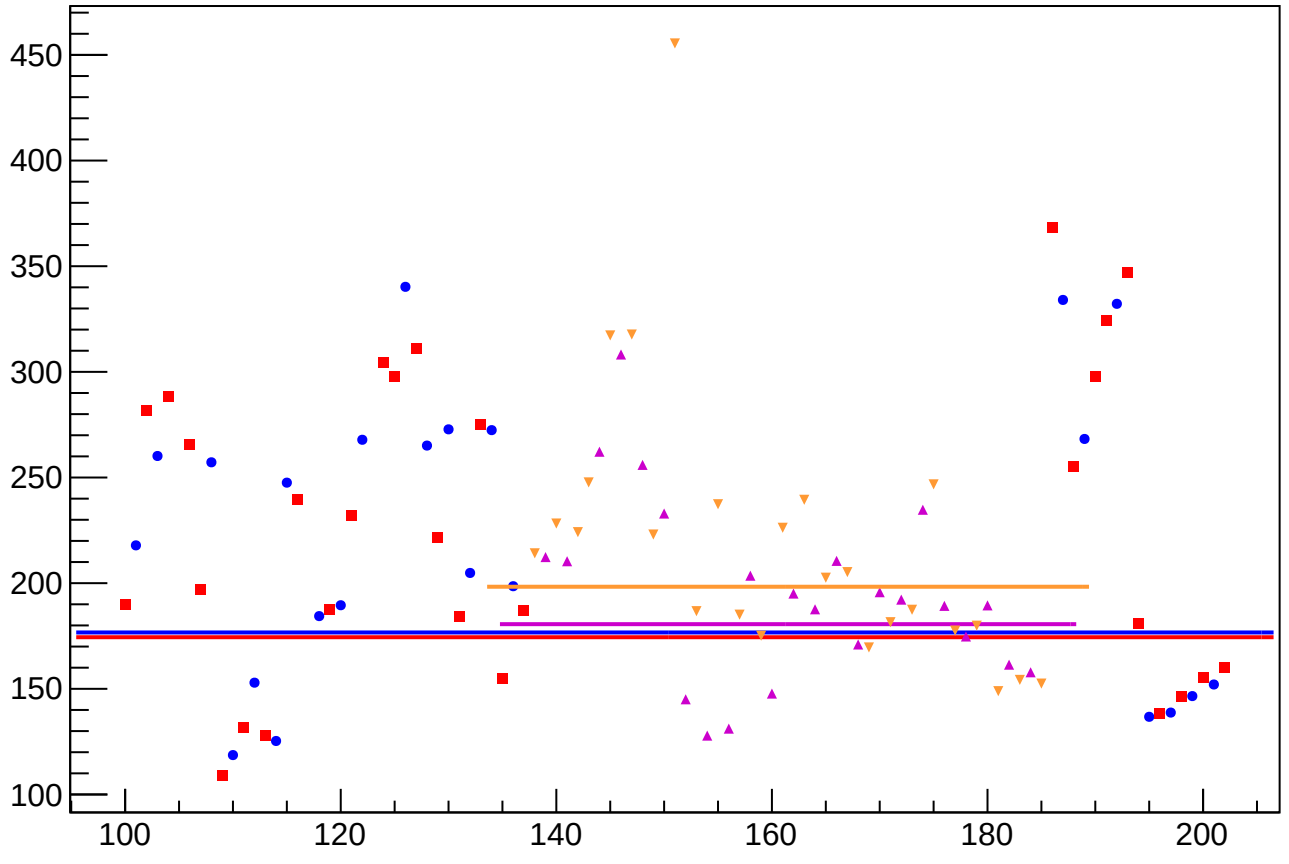
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.122+/-0.002 χ^2/NDF: 167934.7/47

All: 17.118+/-0.002 χ^2/NDF: 353509.6/99

- sign 17.114+/-0.002 χ^2/NDF: 185568.9/51


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -118.304+/-53.242 χ²/NDF: 20.3/22
Left Out: 148.758+/-46.714 χ²/NDF:9.5/24
Right Out: 152.974+/-49.065 χ²/NDF: 17.5/28
Left In: -122.376+/-44.081 χ²/NDF:7.9/22
+ sign 32.595+/-35.114 χ²/NDF: 44.1/47
All: 15.508+/-23.966 χ²/NDF: 87.3/99
- sign 0.608+/-32.791 χ²/NDF: 42.8/51



Right In: 176.673+/-0.038 χ^2/NDF: 2155777.1/22

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

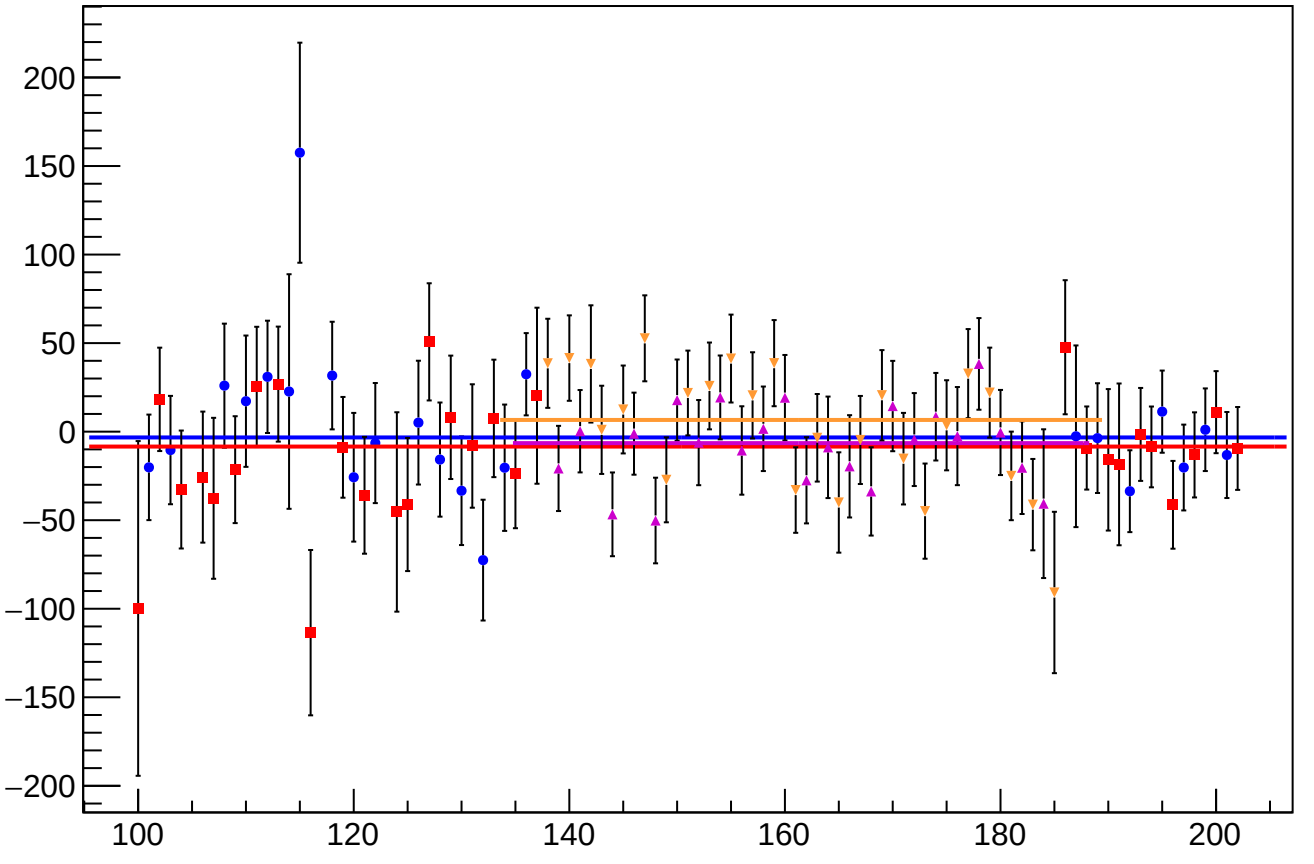
Right Out: 174.421+/-0.035 χ^2/NDF: 2823006.1/28

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 188.900+/-0.025 χ^2/NDF: 4132752.9/47

All: 182.993+/-0.017 χ^2/NDF: 8707368.5/99

- sign 177.841+/-0.023 χ^2/NDF: 4468639.5/51



Right In: -3.268+/-6.368 χ^2/NDF: 21.8/22

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

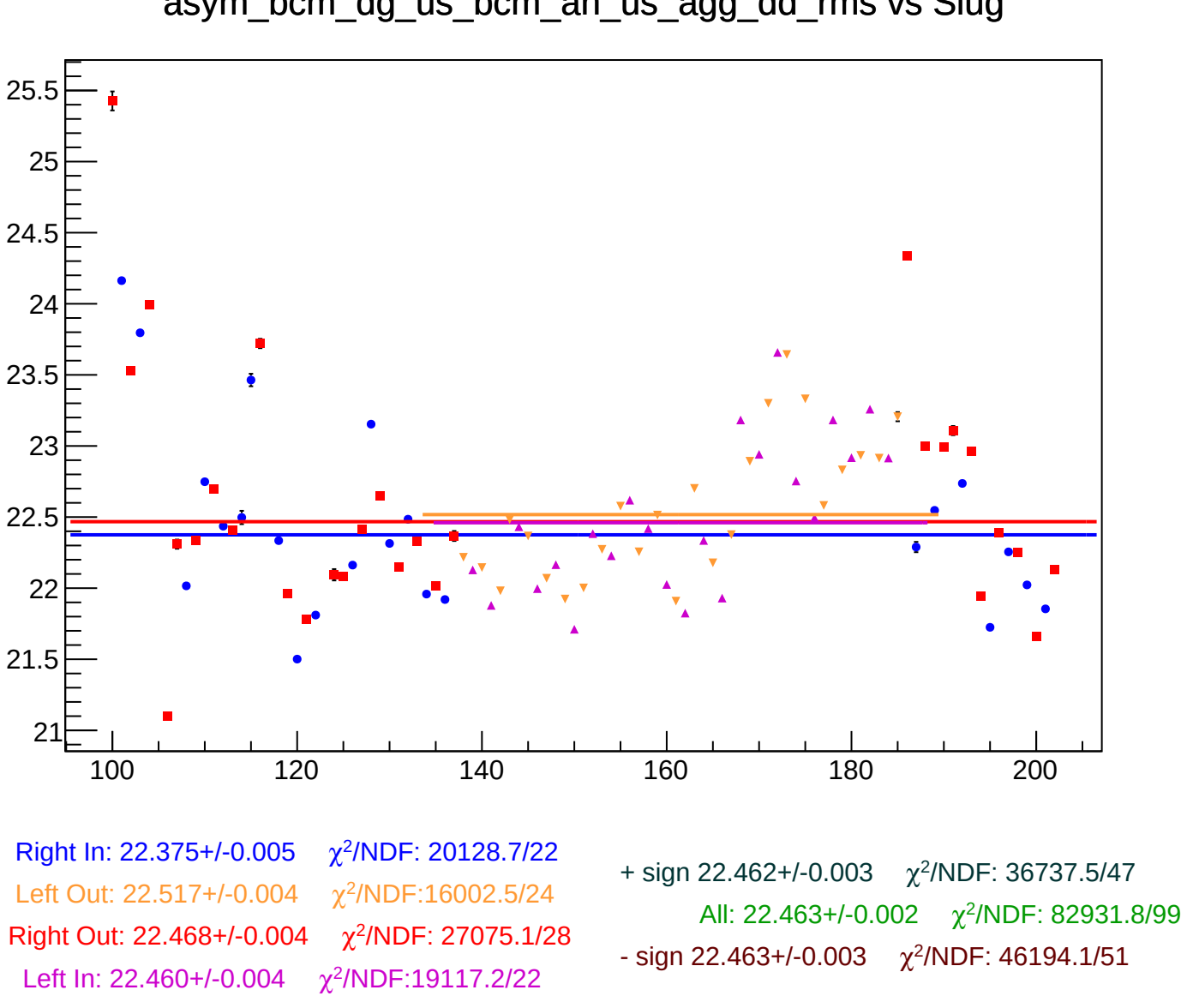
Right Out: -8.422+/-5.880 χ^2/NDF: 21.3/28

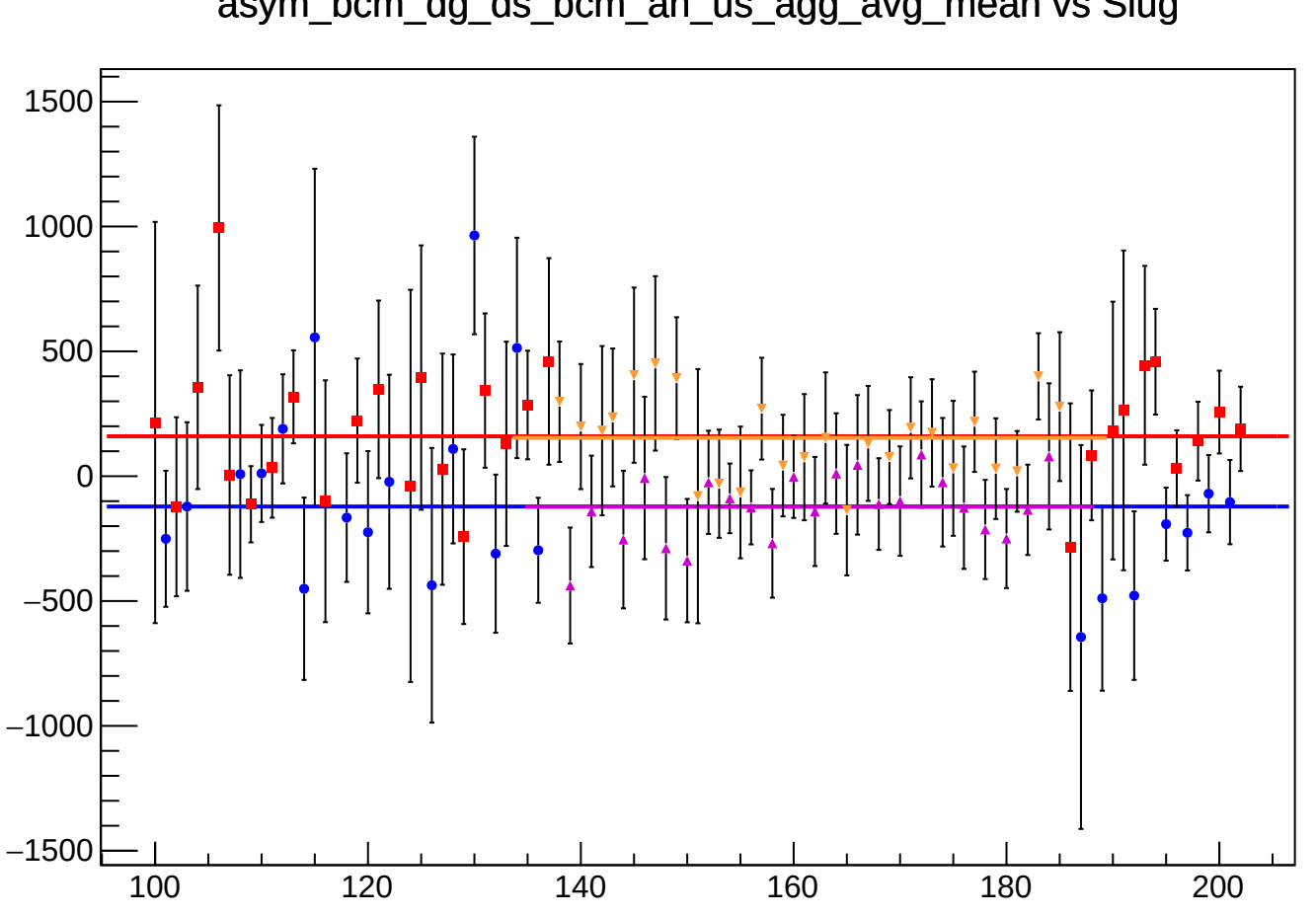
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 2.735+/-3.989 χ^2/NDF: 60.2/47

All: -2.398+/-2.794 χ^2/NDF: 102.2/99

- sign -7.342+/-3.915 χ^2/NDF: 38.8/51


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug
25.5
25
24.5
24
23.5
23
22.5
22
21.5
21
100
120
140
160
180
200
Right In: 22.375+/-0.005 χ²/NDF: 20128.7/22
Left Out: 22.517+/-0.004 χ²/NDF:16002.5/24
Right Out: 22.468+/-0.004 χ²/NDF: 27075.1/28
Left In: 22.460+/-0.004 χ²/NDF:19117.2/22
+ sign 22.462+/-0.003 χ²/NDF: 36737.5/47
All: 22.463+/-0.002 χ²/NDF: 82931.8/99
- sign 22.463+/-0.003 χ²/NDF: 46194.1/51



Right In: -121.456+/-53.082 χ^2/NDF: 19.6/22

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 159.841+/-48.833 χ^2/NDF: 16.0/28

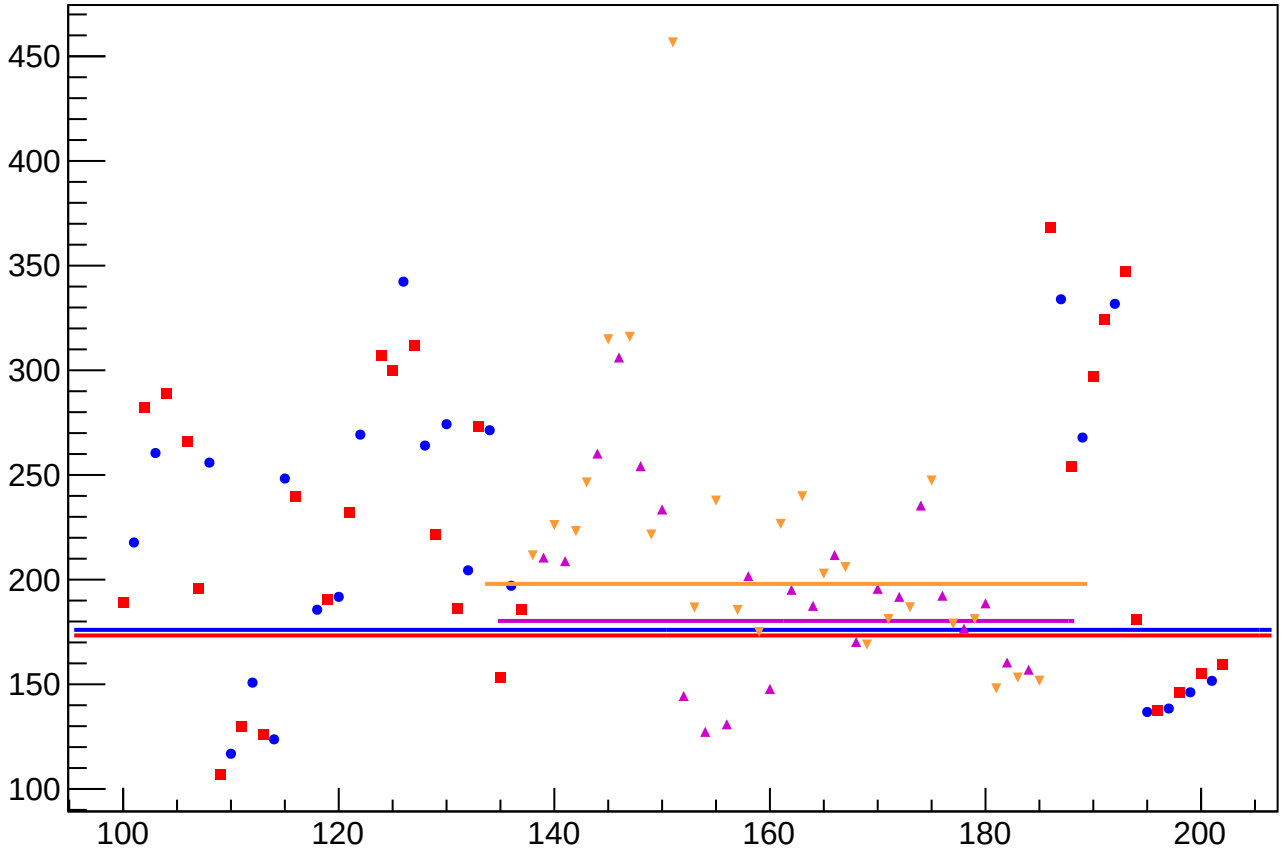
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 33.725+/-35.035 χ^2/NDF: 44.8/47

All: 17.950+/-23.902 χ^2/NDF: 87.0/99

- sign 4.216+/-32.691 χ^2/NDF: 41.9/51

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 176.013+/-0.038 χ^2/NDF: 2186382.3/22

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

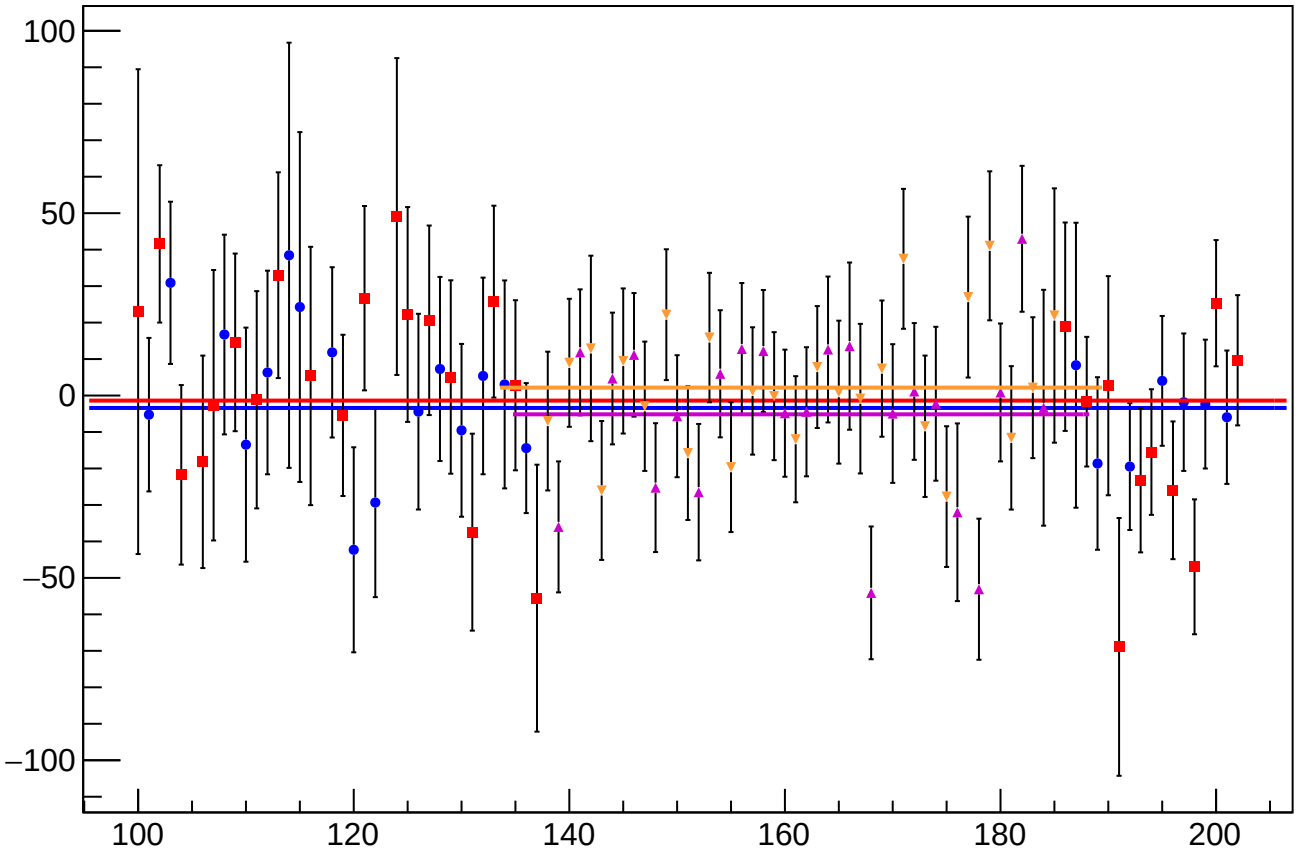
Right Out: 173.333+/-0.035 χ^2/NDF: 2897874.9/28

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 188.398+/-0.025 χ^2/NDF: 4170644.8/47

All: 182.392+/-0.017 χ^2/NDF: 8825431.6/99

- sign 177.164+/-0.023 χ^2/NDF: 4544858.4/51



Right In: -3.403+/-4.903 χ^2/NDF: 9.7/22

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

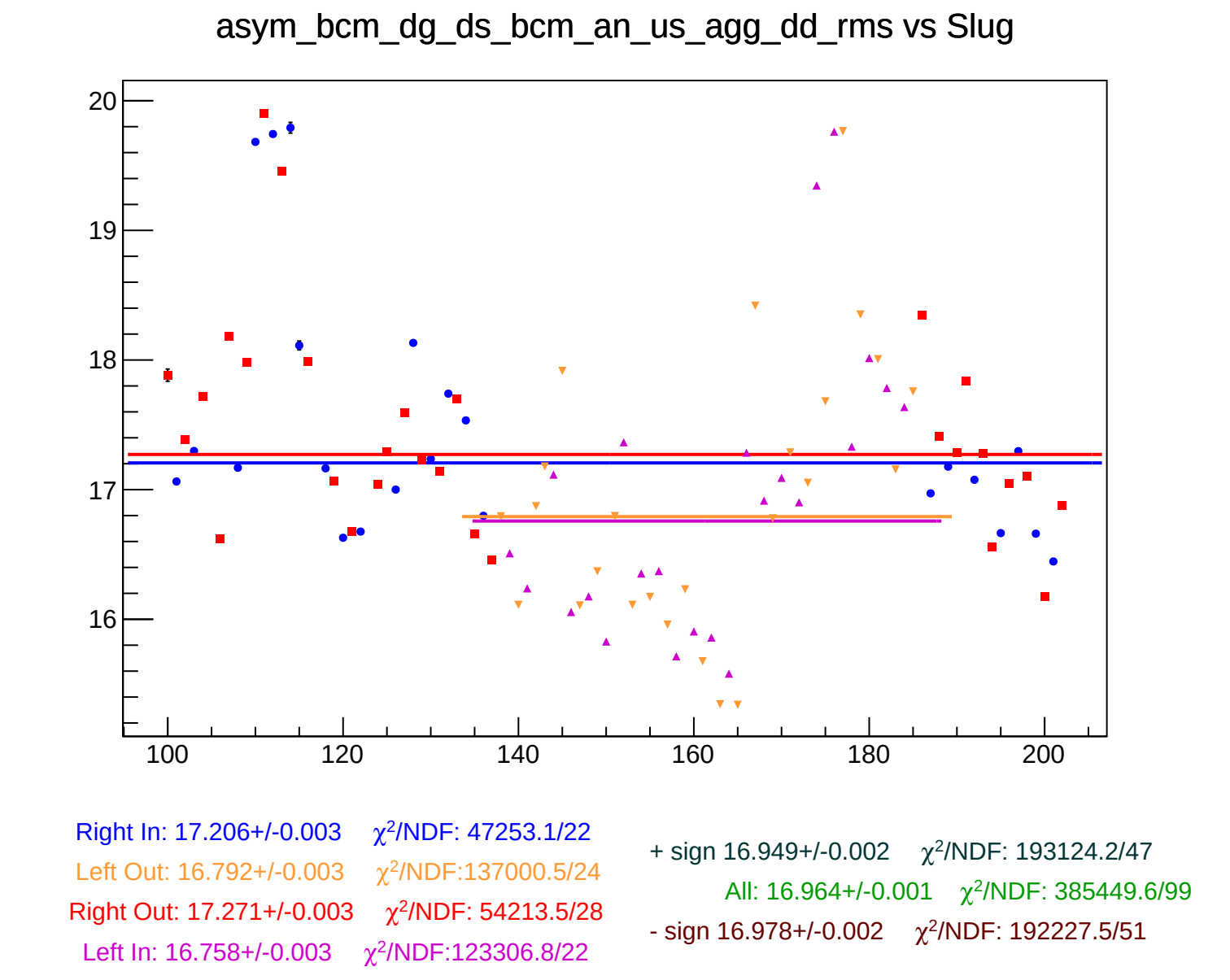
Right Out: -1.386+/-4.525 χ^2/NDF: 32.8/28

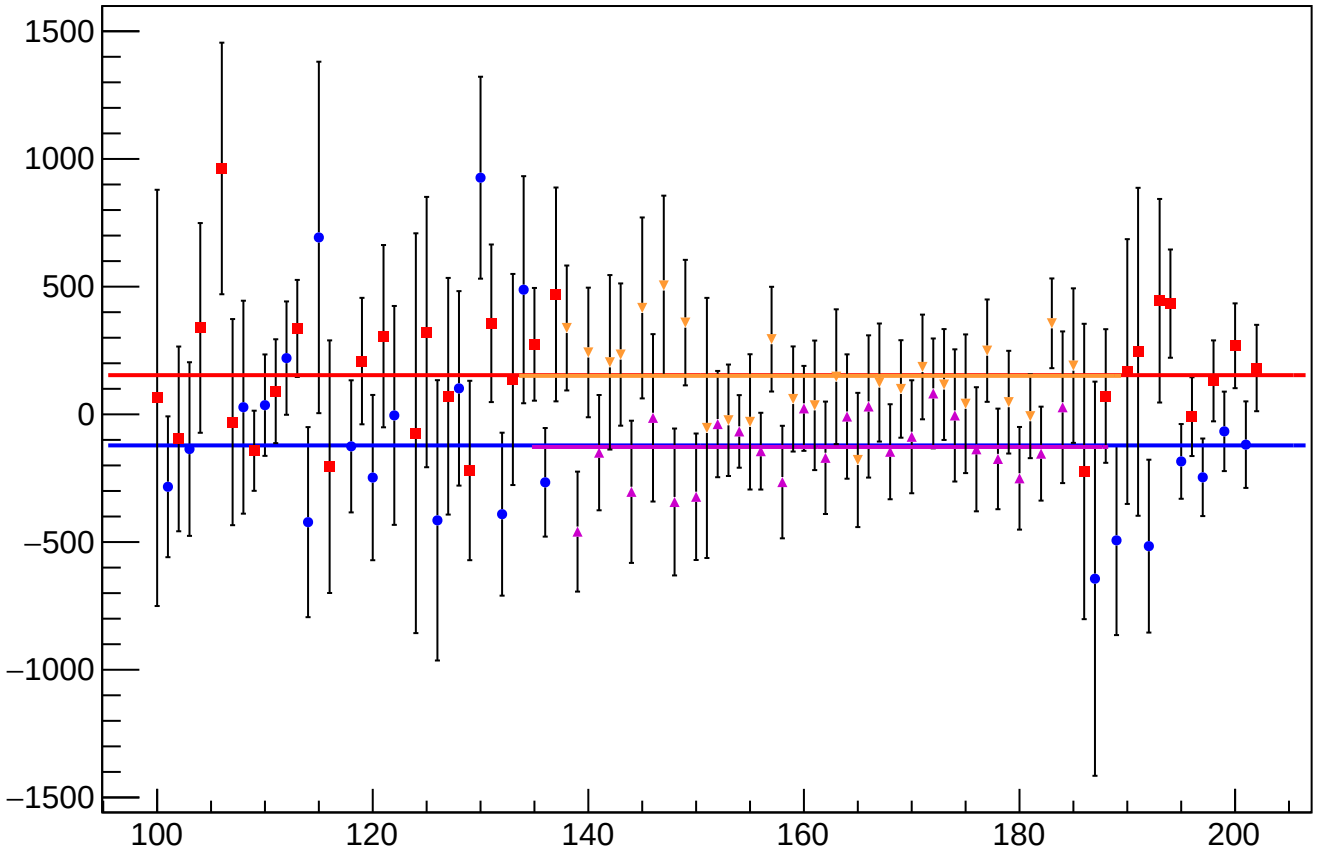
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.064+/-3.016 χ^2/NDF: 30.5/47

All: -1.766+/-2.114 χ^2/NDF: 96.6/99

- sign -3.535+/-2.965 χ^2/NDF: 65.5/51


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug
20
19
18
17
16
100
120
140
160
180
200
Right In: 17.206+/-0.003 χ²/NDF: 47253.1/22
Left Out: 16.792+/-0.003 χ²/NDF:137000.5/24
Right Out: 17.271+/-0.003 χ²/NDF: 54213.5/28
Left In: 16.758+/-0.003 χ²/NDF:123306.8/22
+ sign 16.949+/-0.002 χ²/NDF: 193124.2/47
All: 16.964+/-0.001 χ²/NDF: 385449.6/99
- sign 16.978+/-0.002 χ²/NDF: 192227.5/51



Right In: -121.578+/-53.450 χ^2/NDF: 20.3/22

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

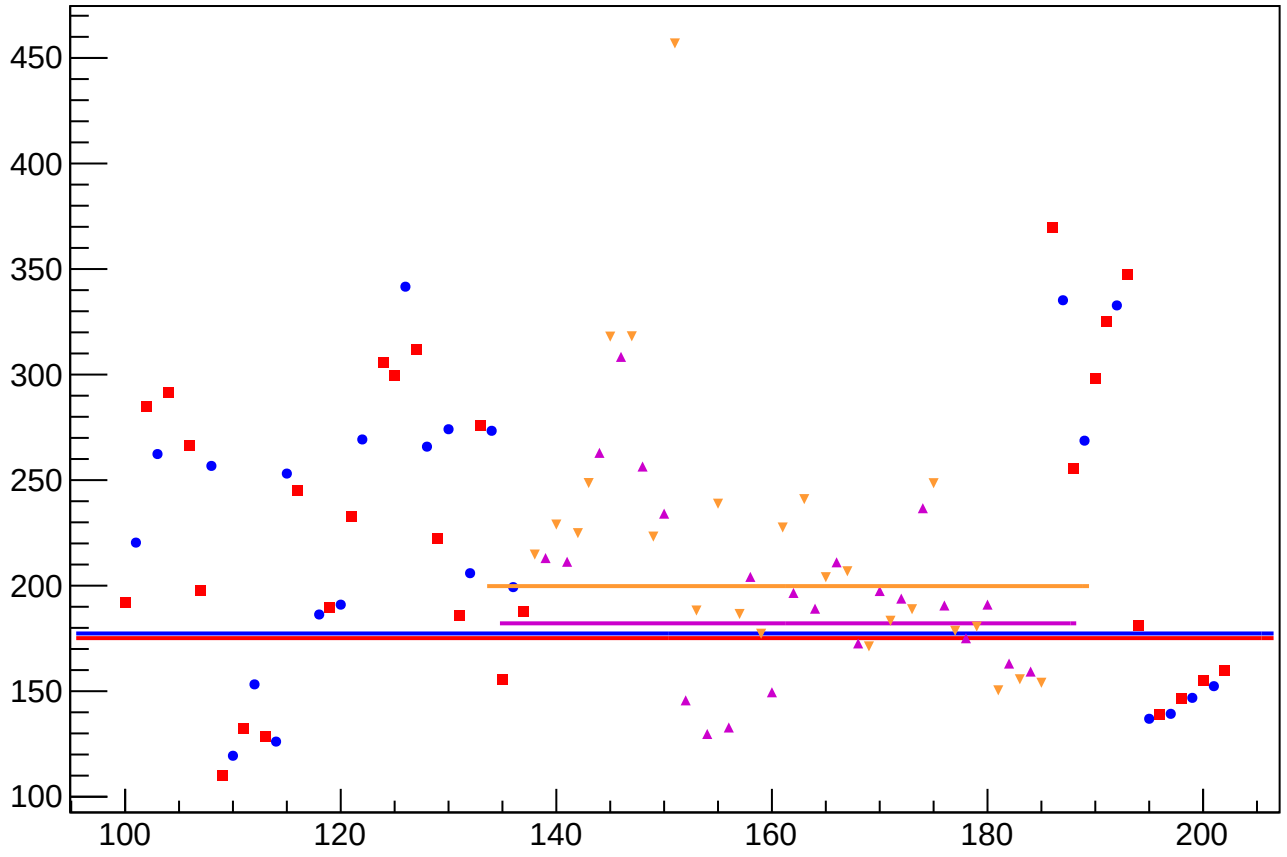
Right Out: 153.488+/-49.260 χ^2/NDF: 16.1/28

Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 31.978+/-35.310 χ^2/NDF: 44.9/47

All: 14.060+/-24.106 χ^2/NDF: 87.2/99

- sign -1.582+/-32.991 χ^2/NDF: 41.9/51



Right In: 177.349+/-0.038 χ^2/NDF: 2163356.4/22

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

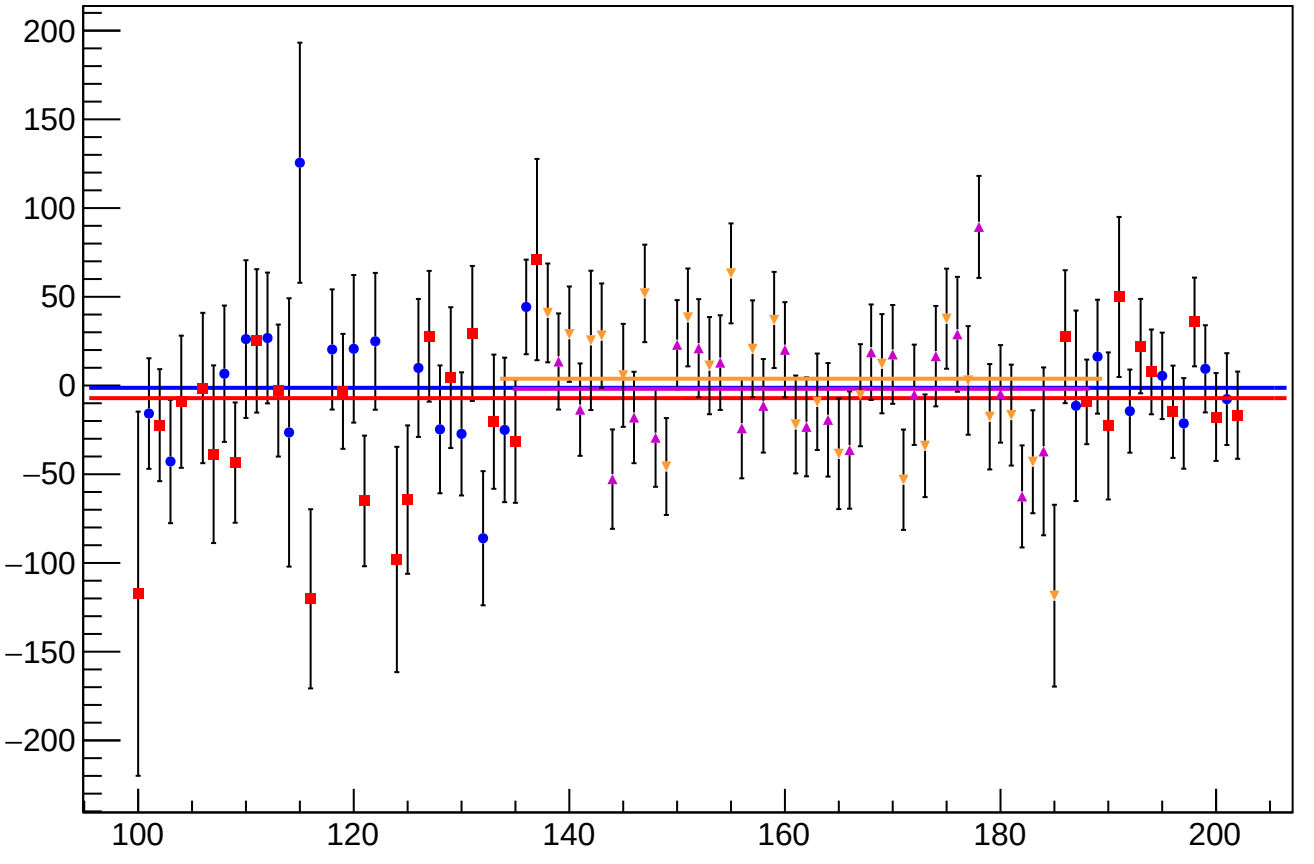
Right Out: 175.144+/-0.035 χ^2/NDF: 2824654.5/28

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 189.994+/-0.025 χ^2/NDF: 4122272.7/47

All: 184.128+/-0.017 χ^2/NDF: 8656964.4/99

- sign 179.008+/-0.023 χ^2/NDF: 4431324.1/51



Right In: -1.295+/-6.938 χ^2/NDF: 18.4/22

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: -7.115+/-6.341 χ^2/NDF: 27.0/28

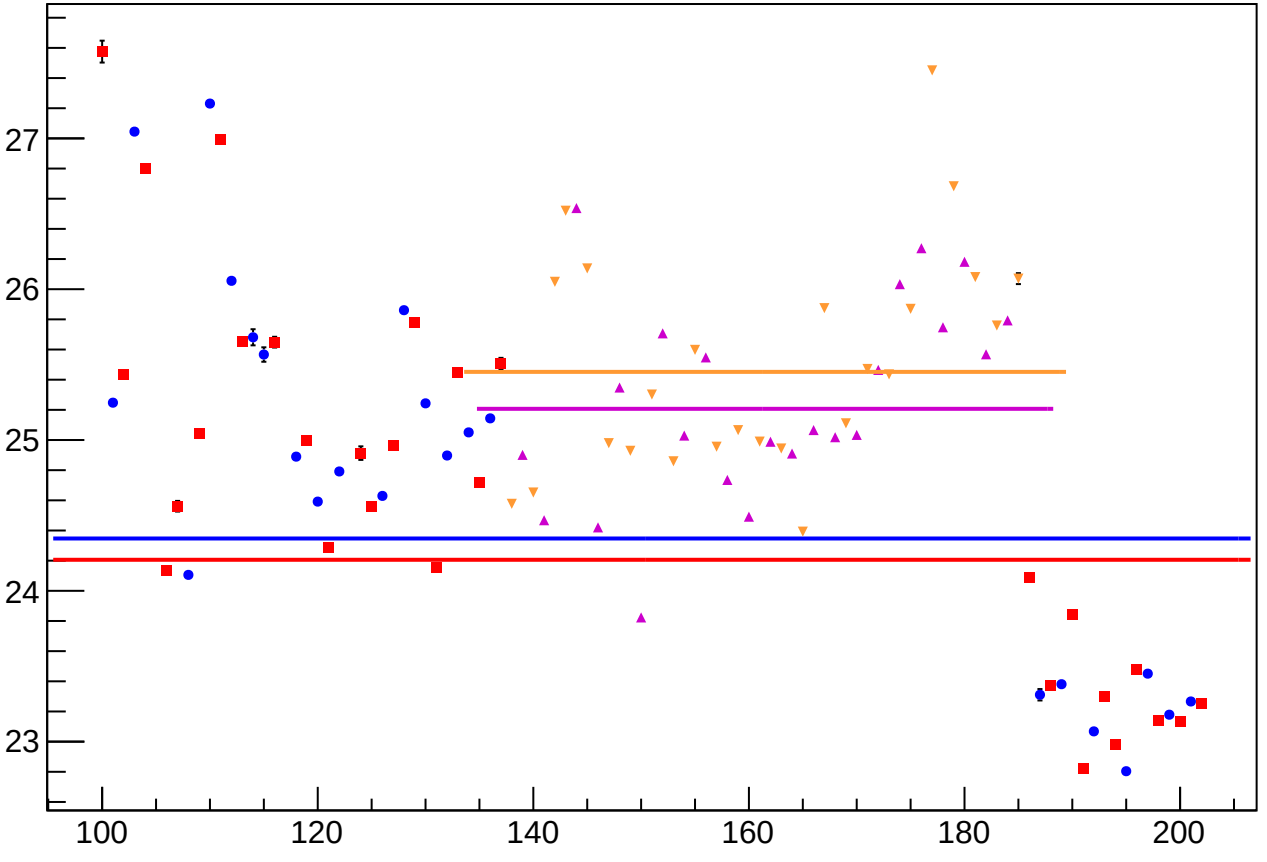
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.727+/-4.445 χ^2/NDF: 56.3/47

All: -1.369+/-3.097 χ^2/NDF: 112.7/99

- sign -4.290+/-4.317 χ^2/NDF: 55.5/51

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.347+/-0.005 χ^2/NDF: 63419.9/22

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

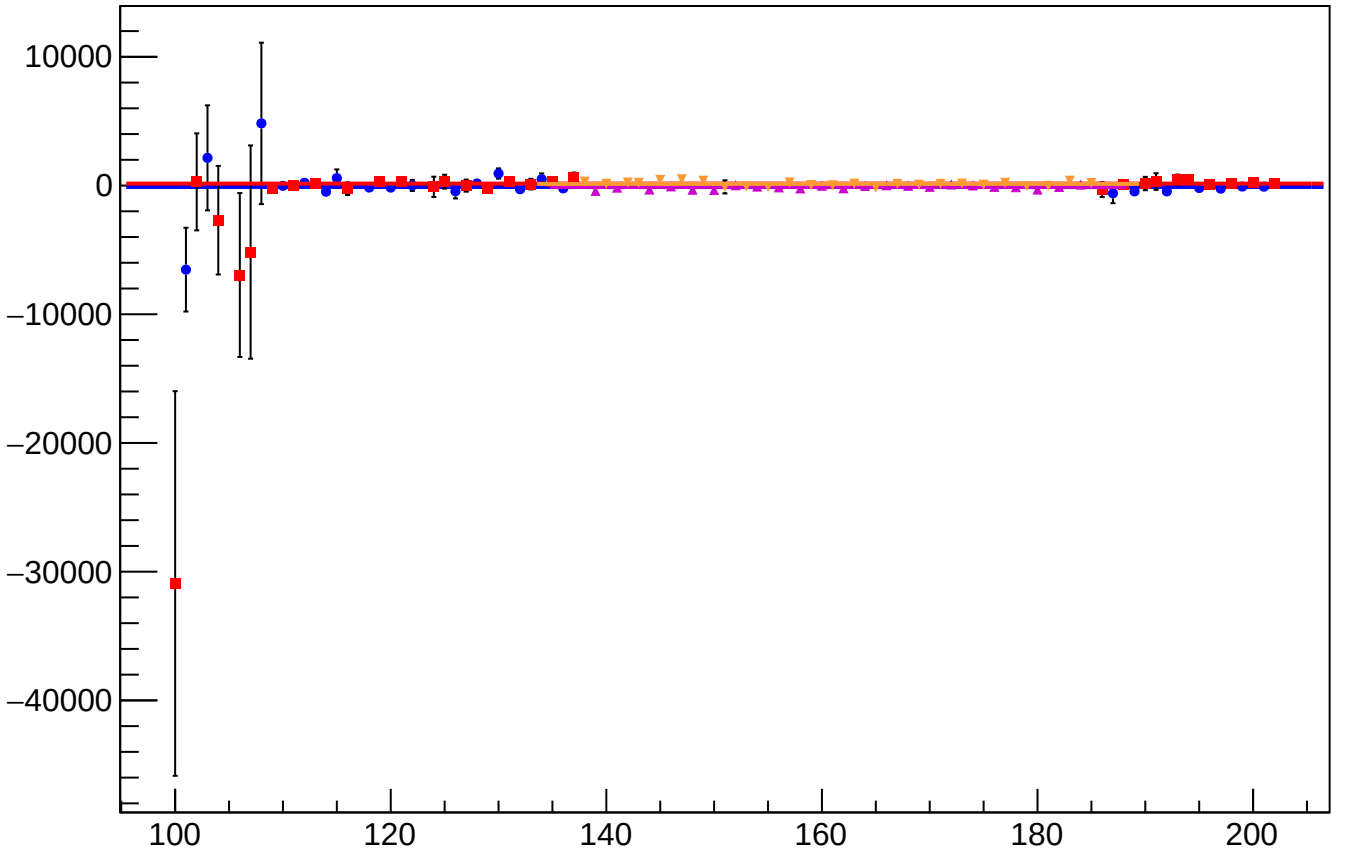
Right Out: 24.206+/-0.004 χ^2/NDF: 63647.7/28

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.998+/-0.003 χ^2/NDF: 122934.6/47

All: 24.867+/-0.002 χ^2/NDF: 242546.6/99

- sign 24.743+/-0.003 χ^2/NDF: 116214.1/51



Right In: -109.509+/-56.522 χ^2/NDF: 22.9/22

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: 149.662+/-52.724 χ^2/NDF: 18.0/28

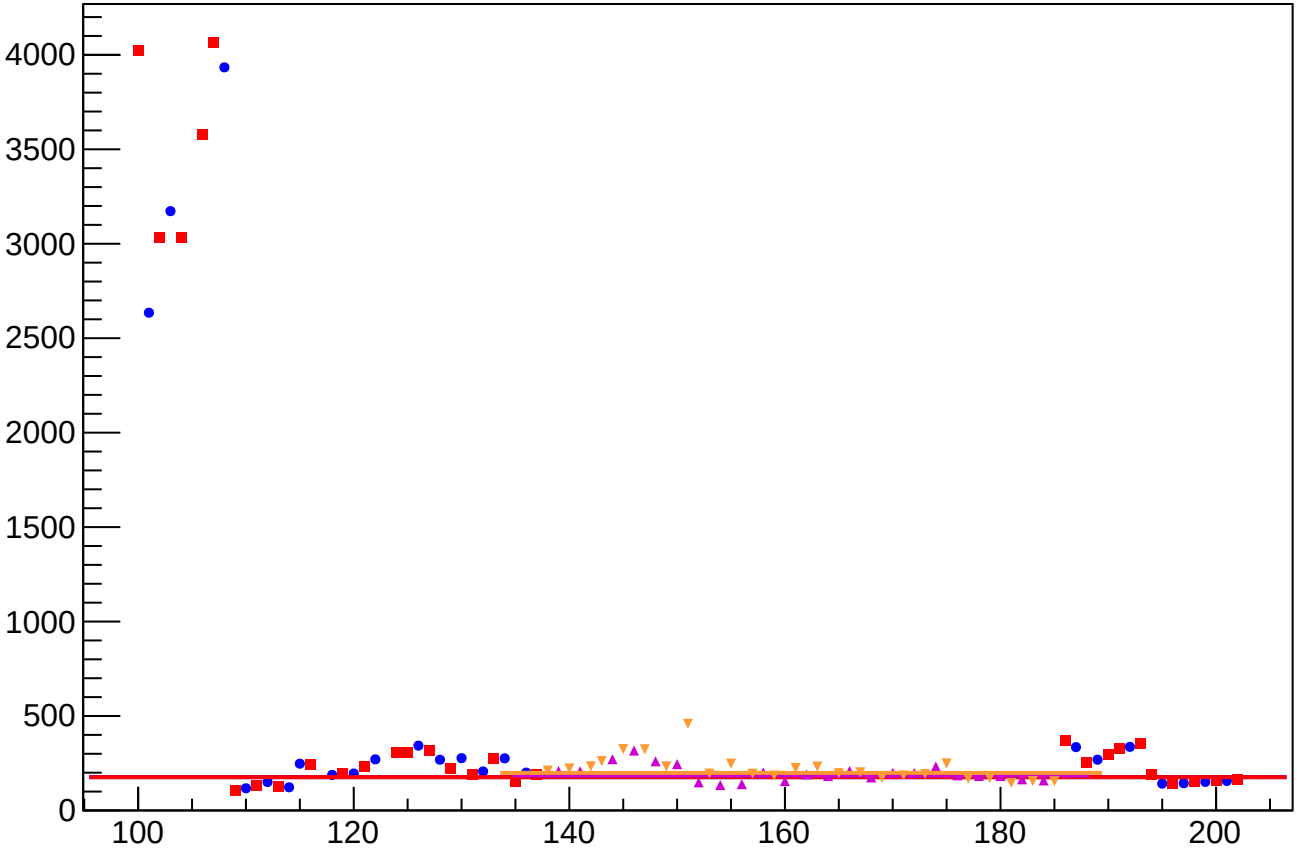
Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 29.410+/-36.104 χ^2/NDF: 44.2/47

All: 11.177+/-24.818 χ^2/NDF: 85.5/99

- sign -5.155+/-34.171 χ^2/NDF: 40.8/51

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 176.335+/-0.040 χ^2/NDF: 4799136.7/22

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

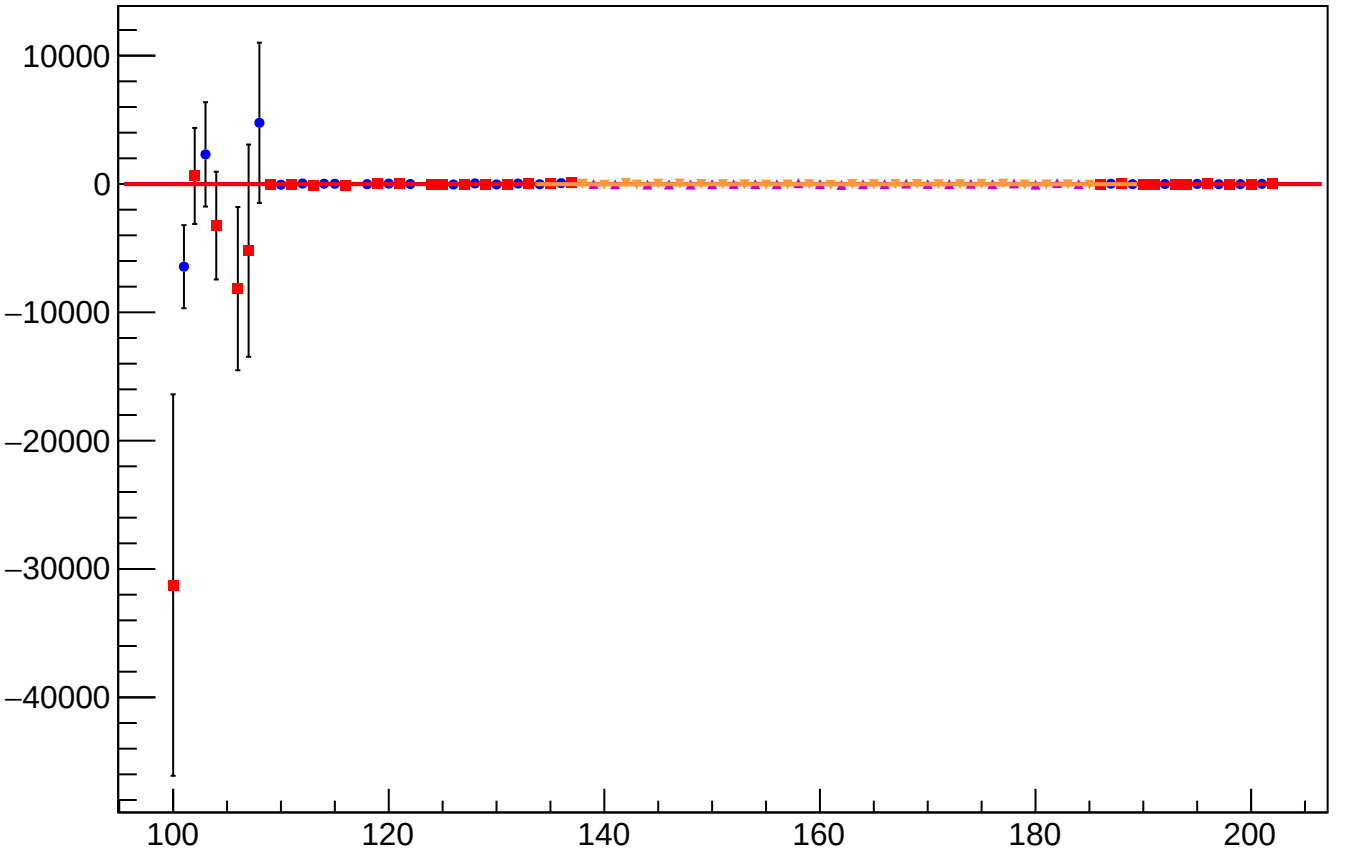
Right Out: 176.217+/-0.037 χ^2/NDF: 5481815.5/28

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 189.748+/-0.026 χ^2/NDF: 6891571.1/47

All: 185.114+/-0.018 χ^2/NDF: 13910097.9/99

- sign 180.962+/-0.024 χ^2/NDF: 6956049.6/51



Right In: 4.416+/-8.409 χ^2/NDF: 17.3/22

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -12.652+/-7.794 χ^2/NDF: 29.4/28

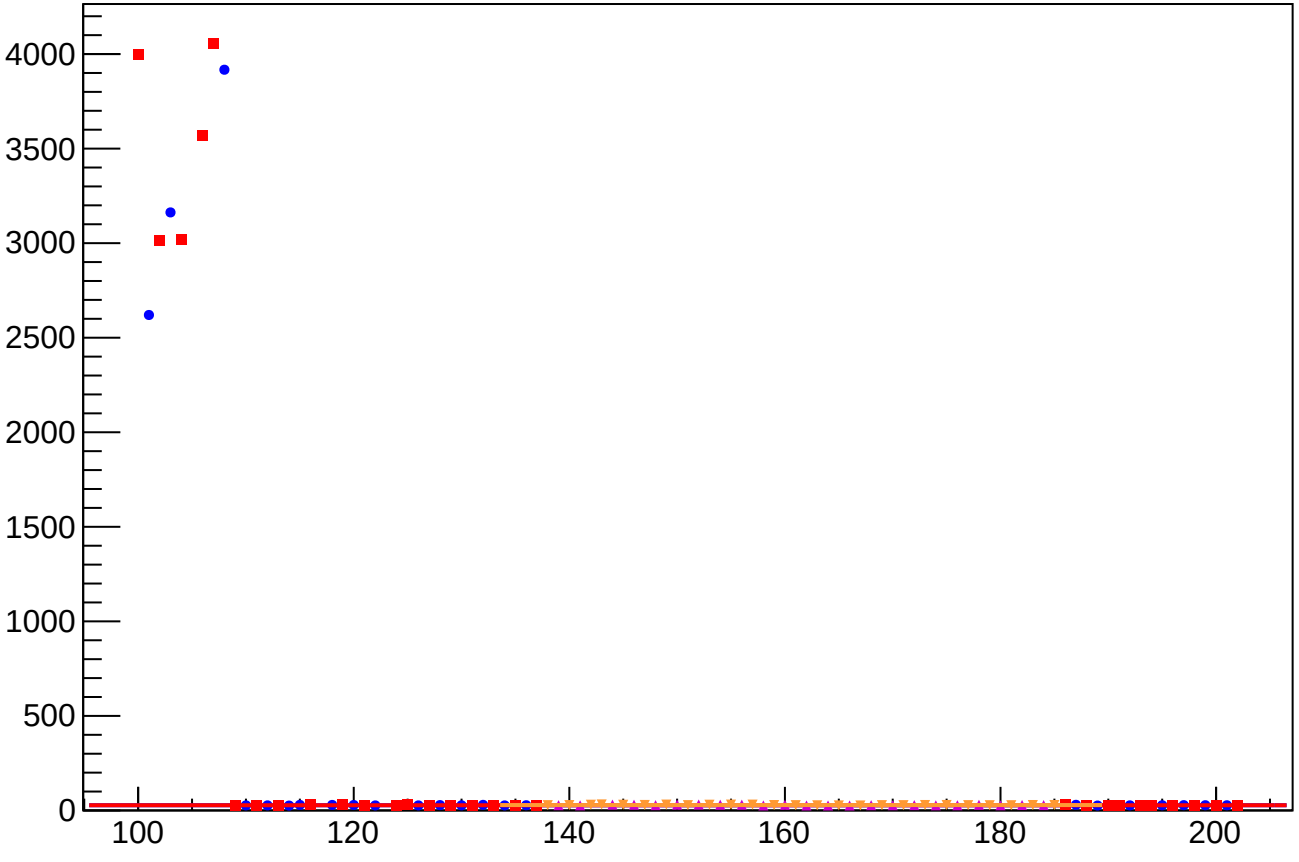
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -7.614+/-5.148 χ^2/NDF: 42.8/47

All: -7.115+/-3.617 χ^2/NDF: 101.6/99

- sign -6.629+/-5.082 χ^2/NDF: 58.8/51

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.499+/-0.006 χ^2/NDF: 3273570.7/22

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

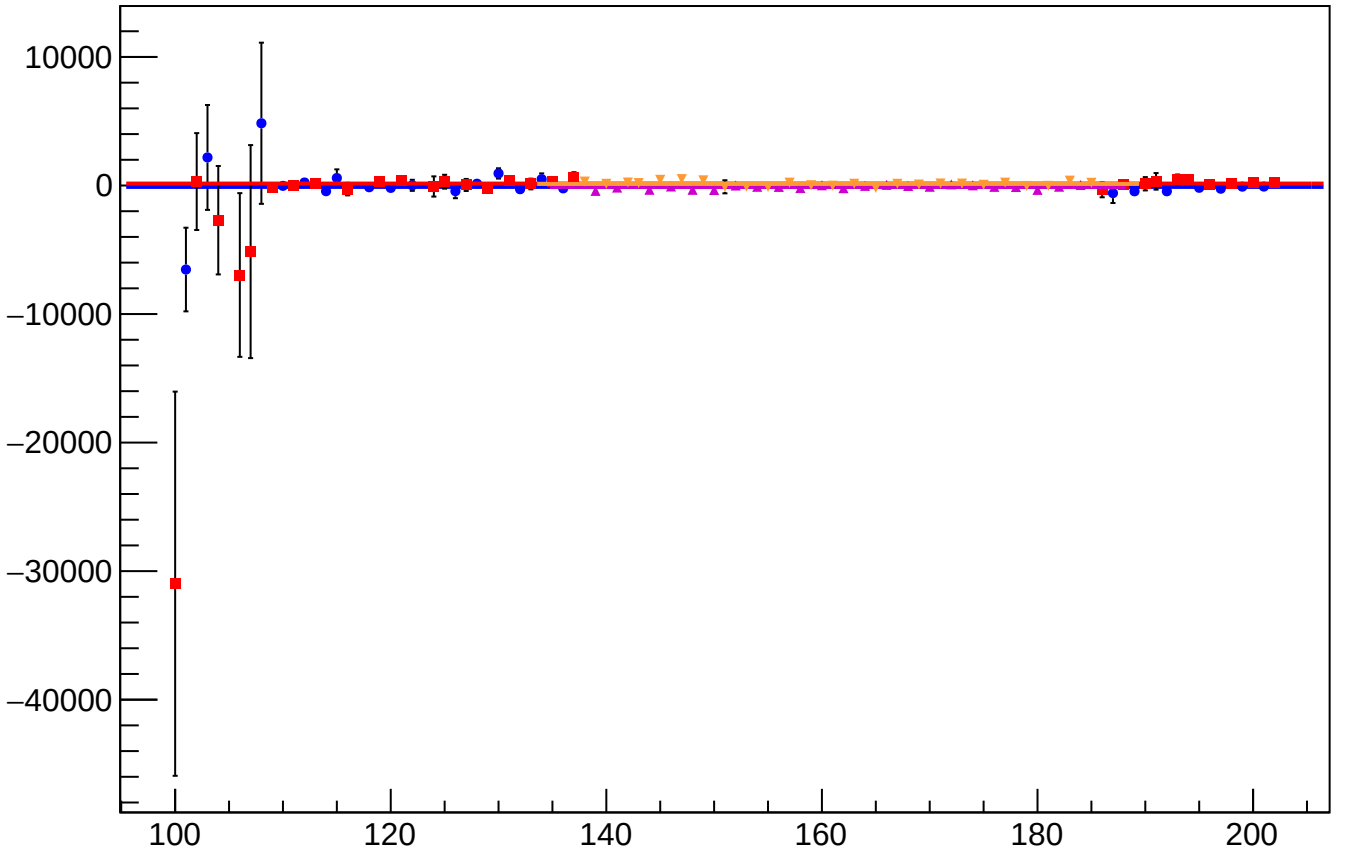
Right Out: 27.542+/-0.006 χ^2/NDF: 3583356.5/28

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.178+/-0.004 χ^2/NDF: 3382573.3/47

All: 28.166+/-0.003 χ^2/NDF: 7110314.4/99

- sign 28.153+/-0.004 χ^2/NDF: 3727717.1/51



Right In: -108.710+/-56.351 χ^2/NDF: 22.9/22

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 150.556+/-52.580 χ^2/NDF: 18.3/28

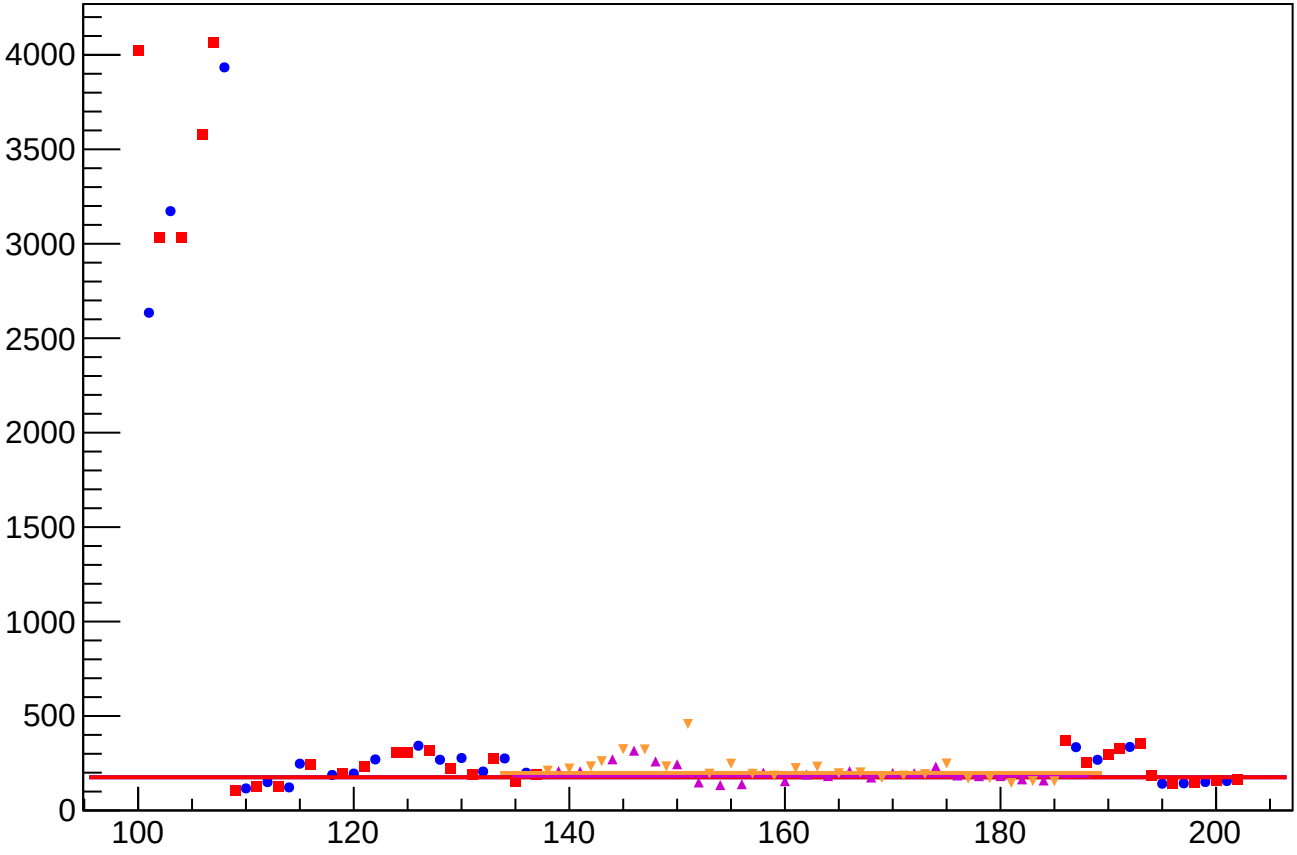
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 27.716+/-36.014 χ^2/NDF: 44.8/47

All: 10.956+/-24.759 χ^2/NDF: 86.9/99

- sign -4.064+/-34.094 χ^2/NDF: 41.7/51

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 175.739+/-0.040 χ^2/NDF: 4813386.8/22

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

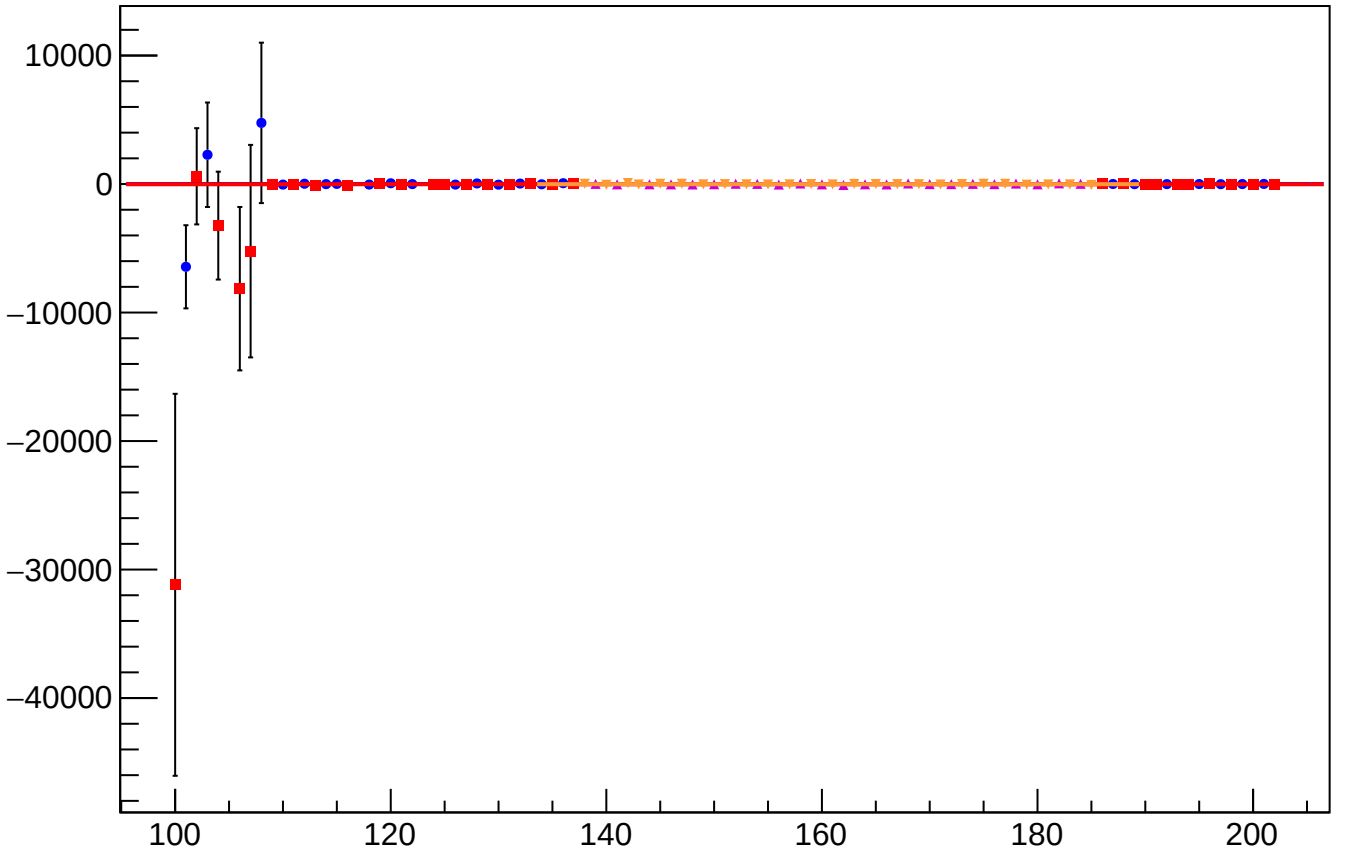
Right Out: 175.668+/-0.037 χ^2/NDF: 5500120.1/28

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 189.245+/-0.025 χ^2/NDF: 6909108.8/47

All: 184.647+/-0.018 χ^2/NDF: 13945932.3/99

- sign 180.526+/-0.024 χ^2/NDF: 6975007.6/51



Right In: 2.163+/-8.414 χ^2/NDF: 18.9/22

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

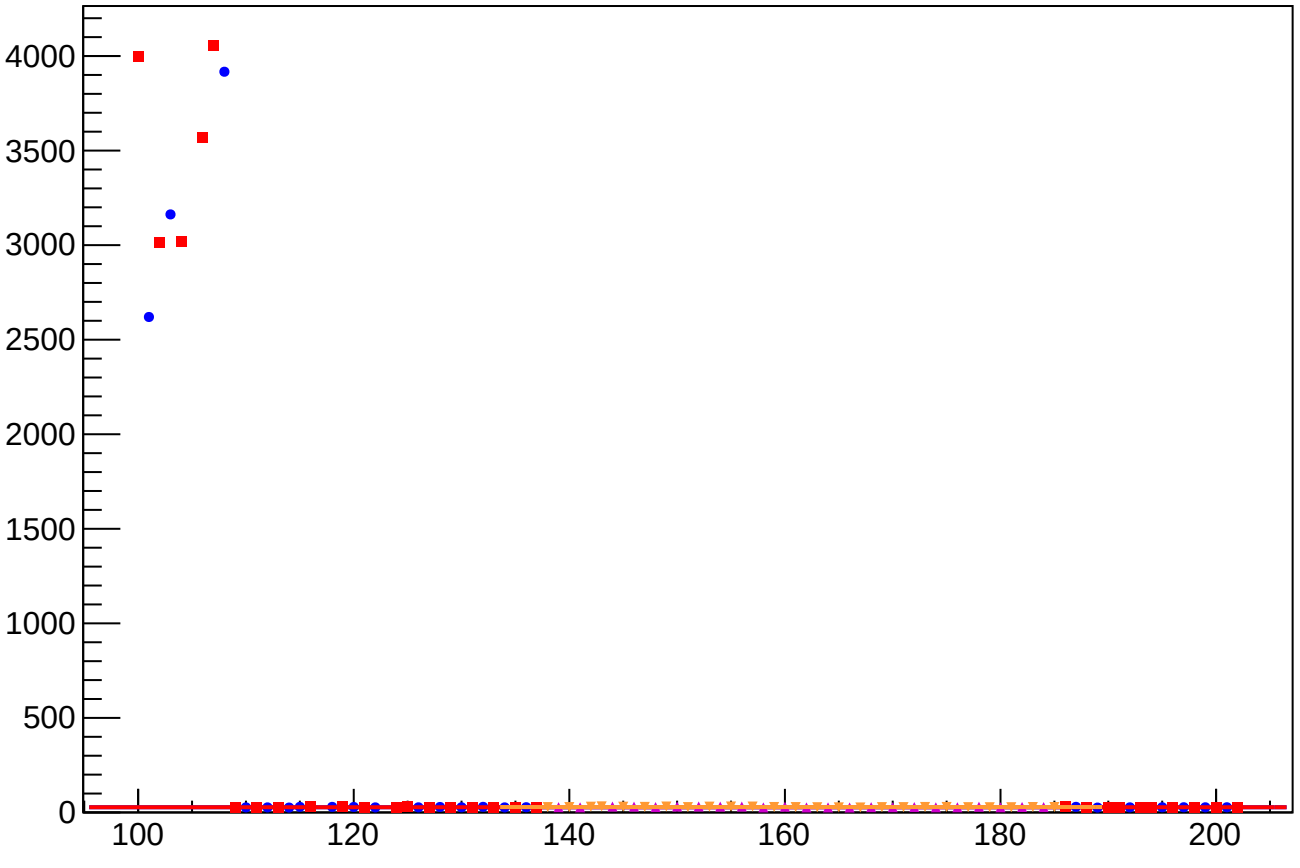
Right Out: -14.661+/-7.795 χ^2/NDF: 28.6/28

Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.580+/-5.164 χ^2/NDF: 38.5/47

All: -7.168+/-3.627 χ^2/NDF: 90.7/99

- sign -7.740+/-5.095 χ^2/NDF: 52.2/51



Right In: 27.514+/-0.006 χ^2/NDF: 3275051.5/22

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

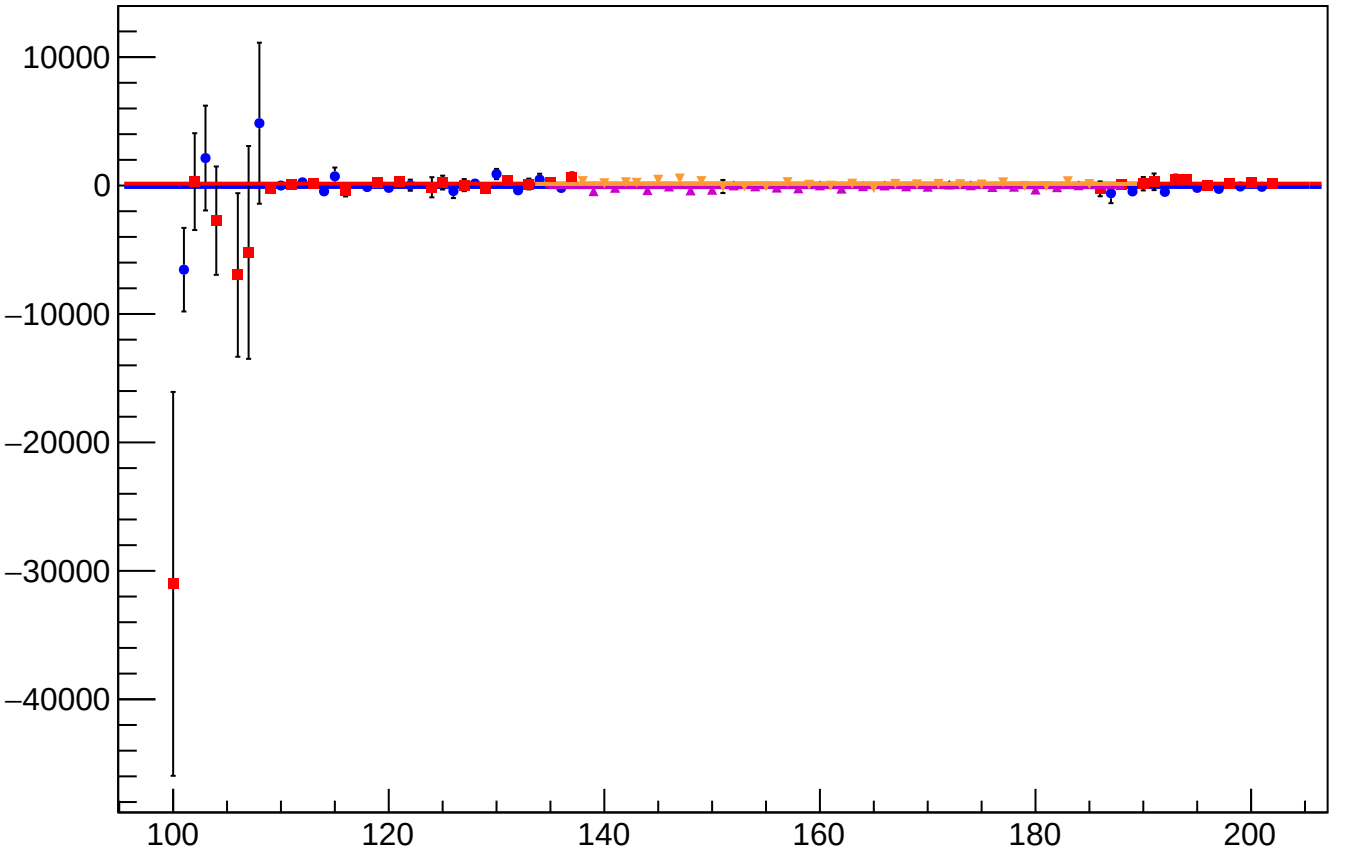
Right Out: 27.545+/-0.006 χ^2/NDF: 3581595.5/28

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.258+/-0.004 χ^2/NDF: 3399006.2/47

All: 28.240+/-0.003 χ^2/NDF: 7134422.5/99

- sign 28.222+/-0.004 χ^2/NDF: 3735368.2/51



Right In: -108.098+/-56.817 χ^2/NDF: 23.5/22

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 146.907+/-53.033 χ^2/NDF: 17.5/28

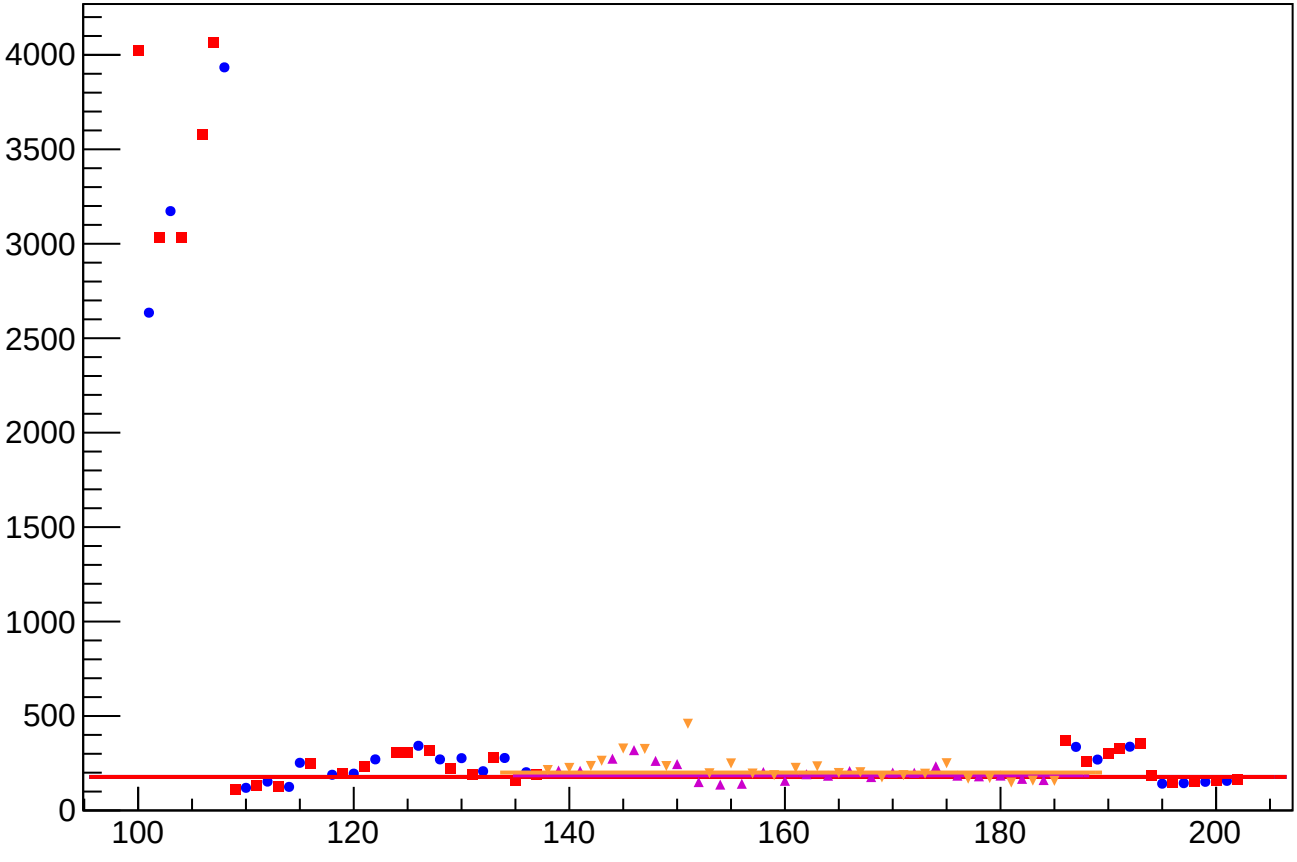
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 28.321+/-36.352 χ^2/NDF: 44.6/47

All: 8.513+/-24.998 χ^2/NDF: 86.1/99

- sign -9.257+/-34.431 χ^2/NDF: 41.0/51

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 177.366+/-0.040 χ^2/NDF: 4778993.6/22

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 177.457+/-0.037 χ^2/NDF: 5434546.8/28

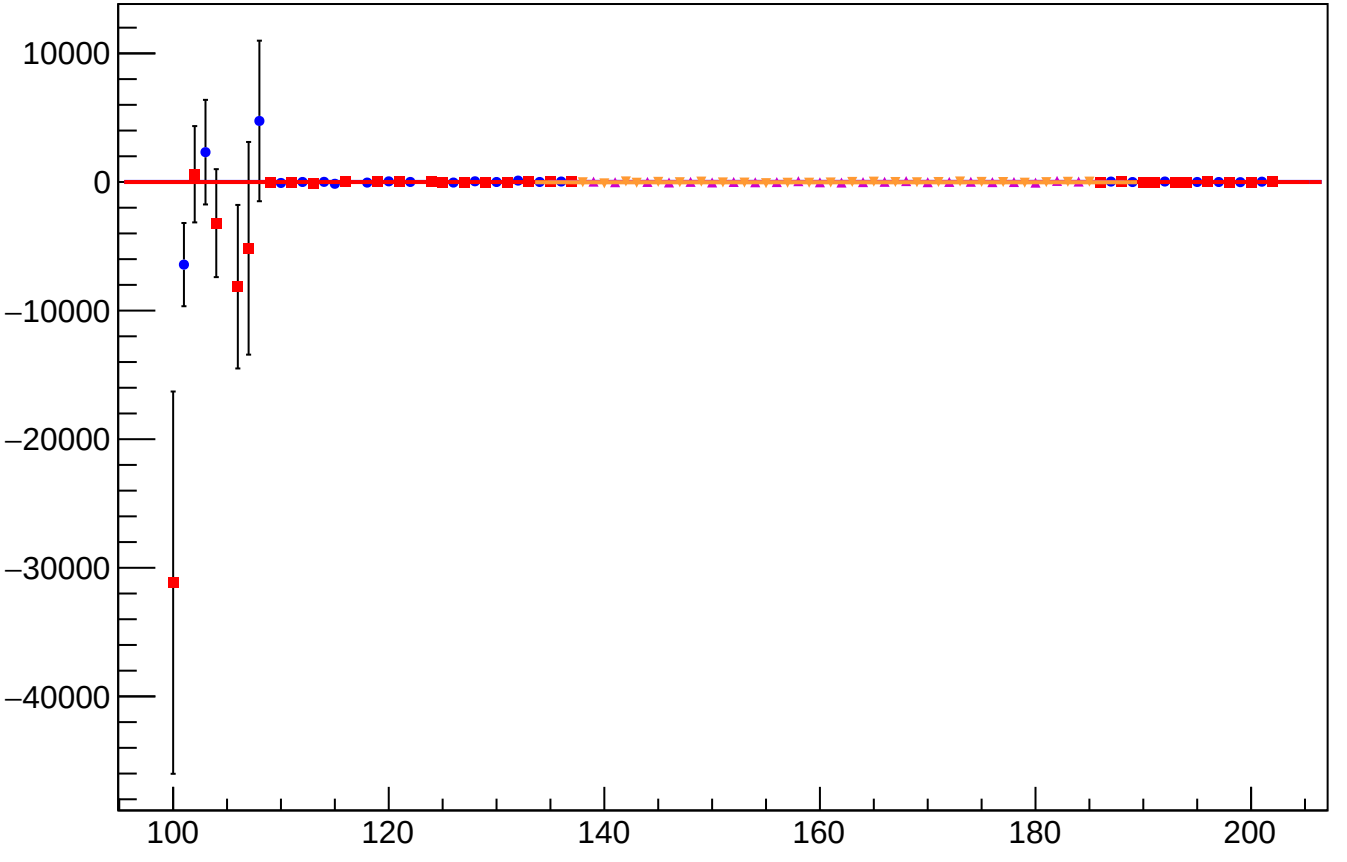
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 191.140+/-0.026 χ^2/NDF: 6858083.5/47

All: 186.584+/-0.018 χ^2/NDF: 13796831.9/99

- sign 182.497+/-0.024 χ^2/NDF: 6879155.5/51

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 7.415+/-10.250 χ^2/NDF: 19.0/22

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -4.439+/-9.492 χ^2/NDF: 30.7/28

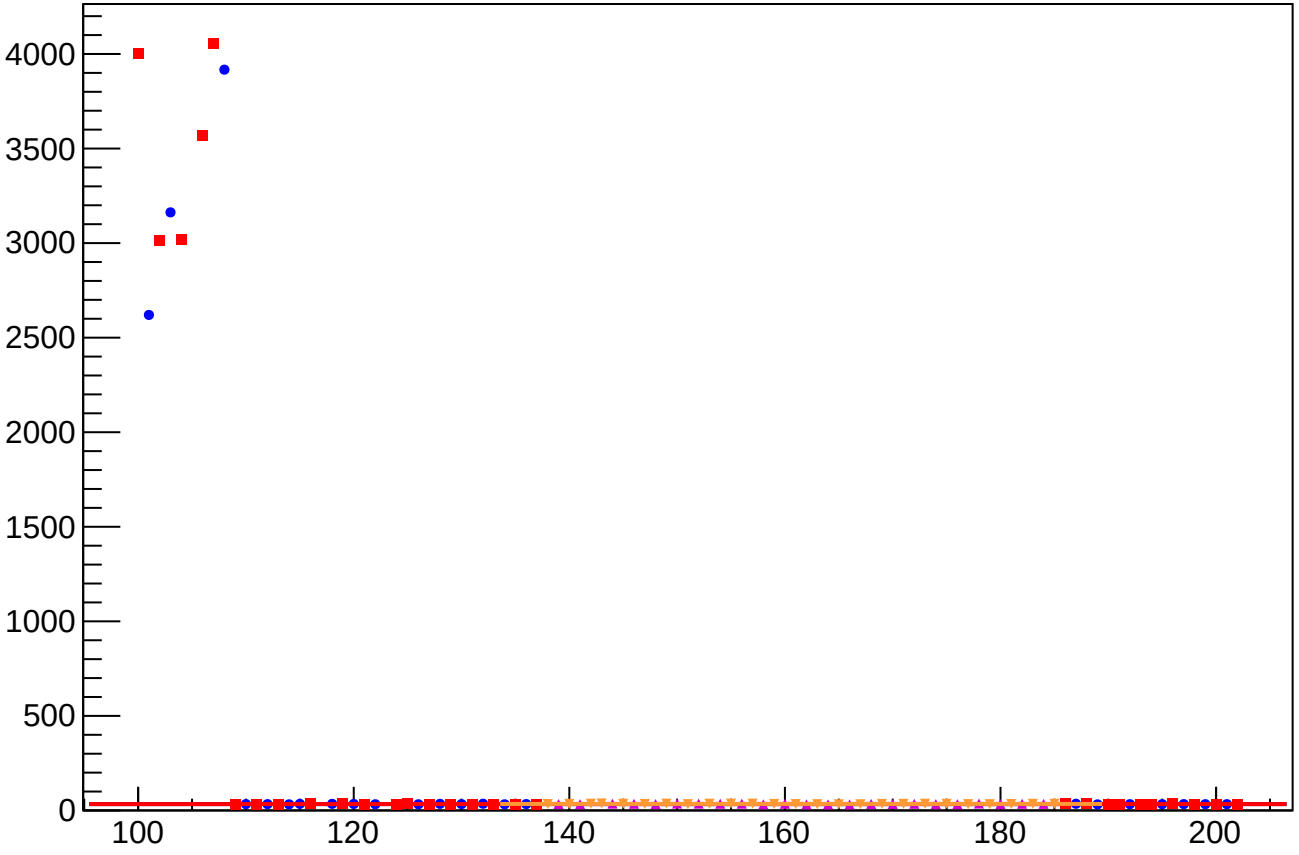
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -10.664+/-6.225 χ^2/NDF: 46.8/47

All: -5.034+/-4.376 χ^2/NDF: 98.6/99

- sign 0.469+/-6.154 χ^2/NDF: 50.1/51

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.557+/-0.007 χ^2/NDF: 3249190.8/22

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

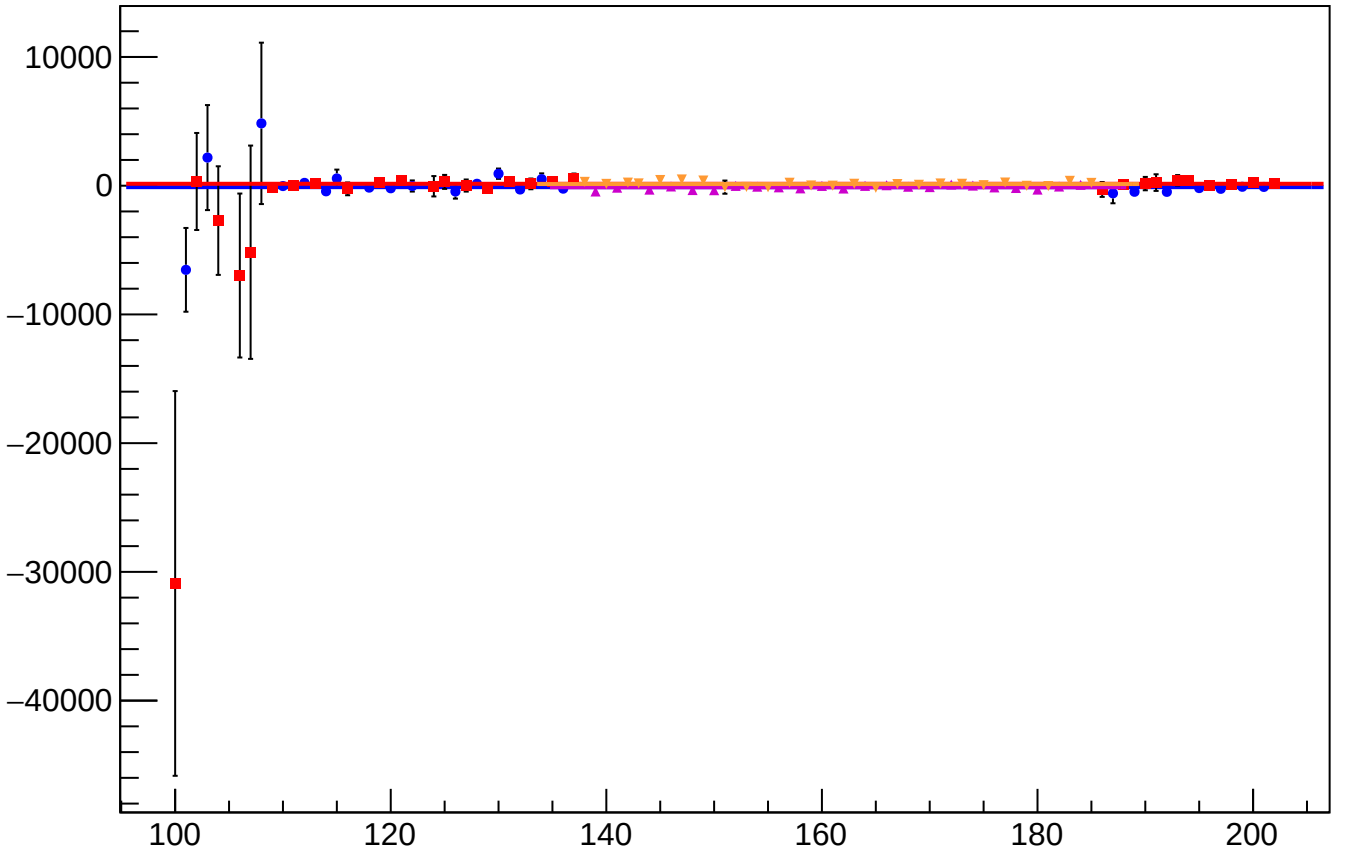
Right Out: 33.593+/-0.007 χ^2/NDF: 3541515.9/28

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.114+/-0.004 χ^2/NDF: 3303205.5/47

All: 34.131+/-0.003 χ^2/NDF: 6915868.7/99

- sign 34.149+/-0.004 χ^2/NDF: 3612630.8/51



Right In: -113.570+/-56.634 χ^2/NDF: 22.8/22

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

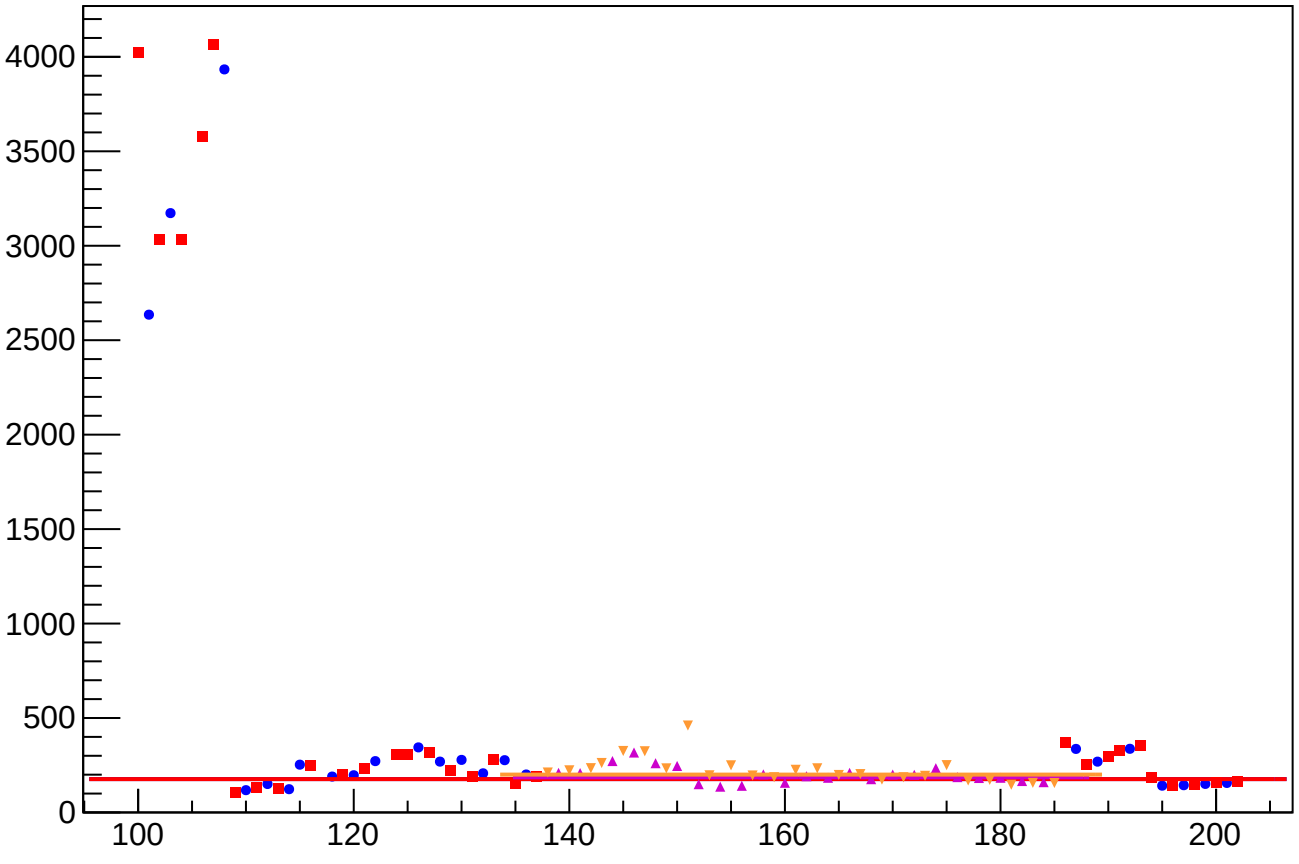
Right Out: 148.846+/-52.815 χ^2/NDF: 17.0/28

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

\+ sign 28.730+/-36.271 χ^2/NDF: 45.1/47

All: 9.381+/-24.937 χ^2/NDF: 86.0/99

\- sign -7.964+/-34.340 χ^2/NDF: 40.3/51



Right In: 176.647+/-0.040 χ^2/NDF: 4808689.9/22

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

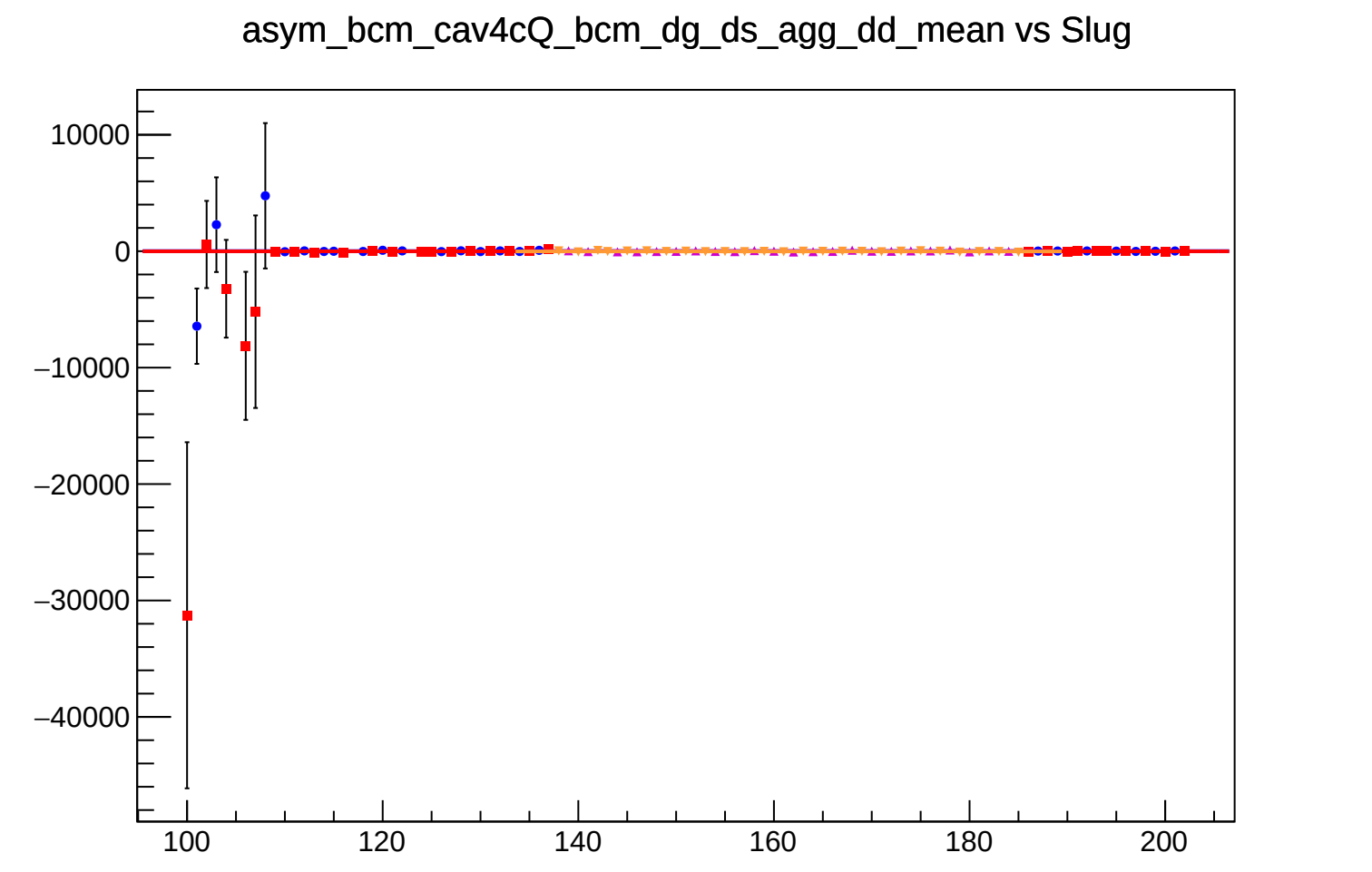
Right Out: 176.513+/-0.037 χ^2/NDF: 5487856.3/28

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 190.641+/-0.026 χ^2/NDF: 6892245.7/47

All: 186.039+/-0.018 χ^2/NDF: 13882911.0/99

- sign 181.915+/-0.024 χ^2/NDF: 6929630.5/51



Right In: 10.027+/-9.301 χ^2/NDF: 16.8/22

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -8.258+/-8.604 χ^2/NDF: 38.4/28

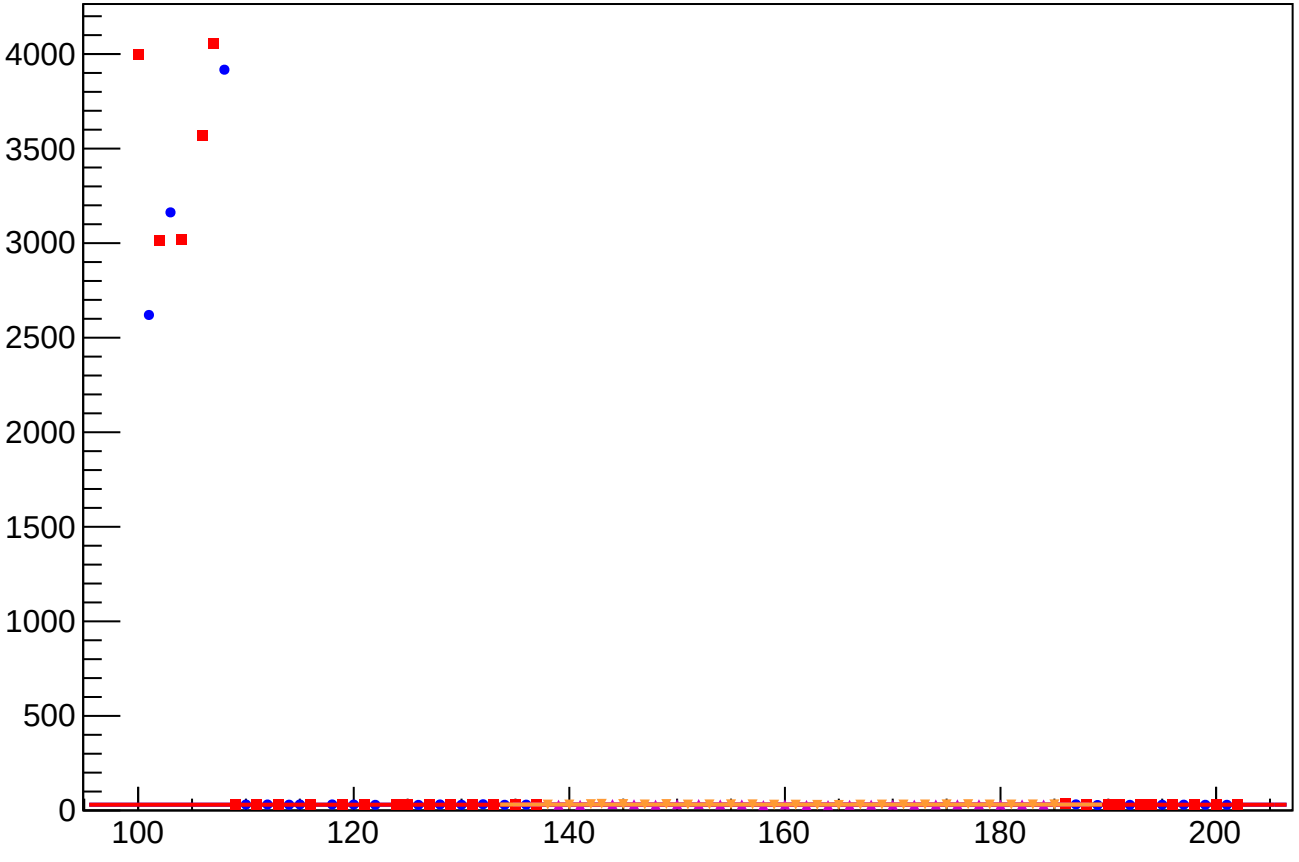
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -7.983+/-5.661 χ^2/NDF: 43.1/47

All: -4.910+/-3.977 χ^2/NDF: 118.5/99

\- sign -1.916+/-5.588 χ^2/NDF: 74.8/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.428+/-0.007 χ^2/NDF: 3263240.0/22

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

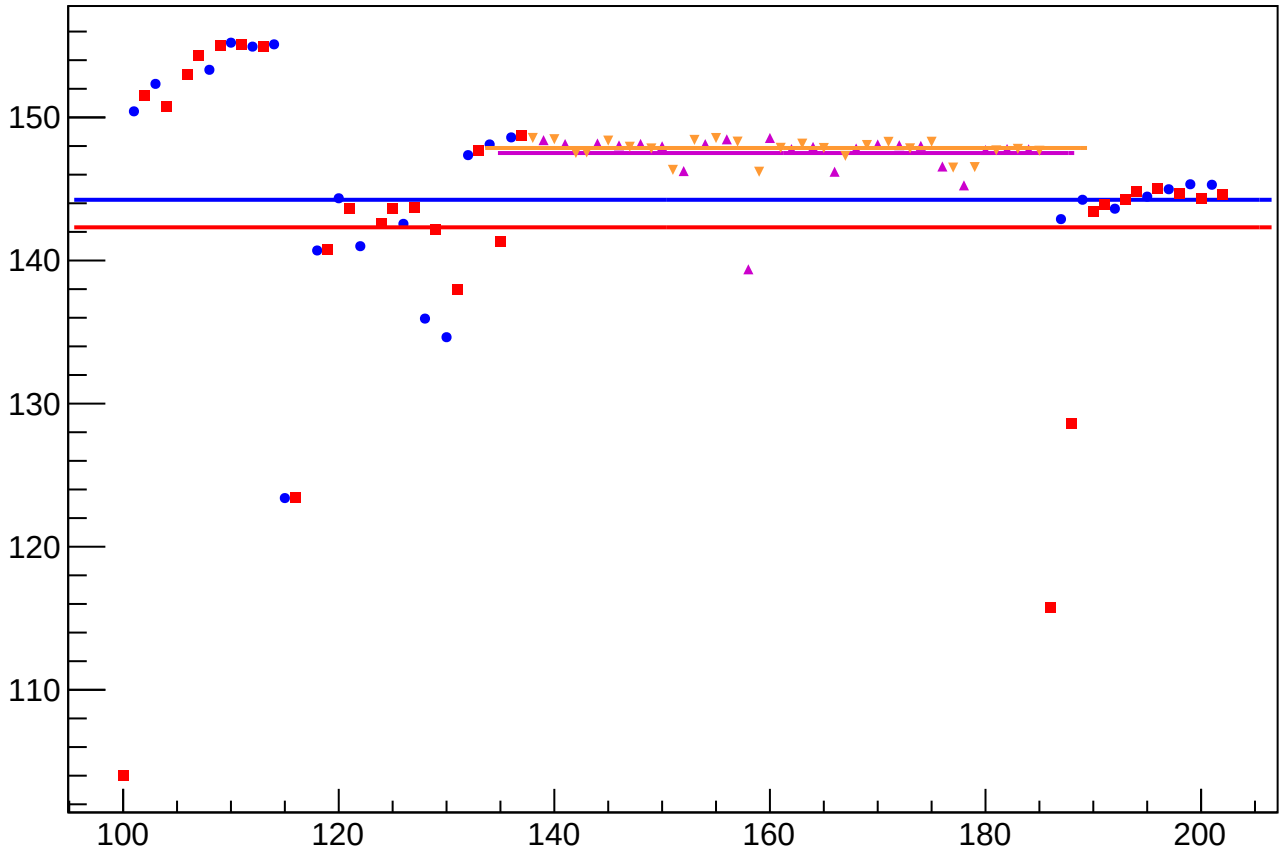
Right Out: 30.426+/-0.006 χ^2/NDF: 3559112.1/28

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.002+/-0.004 χ^2/NDF: 3338365.2/47

All: 30.989+/-0.003 χ^2/NDF: 6996931.3/99

\- sign 30.977+/-0.004 χ^2/NDF: 3658546.9/51



Right In: 144.244+/-0.000 χ^2/NDF: 3736007829.6/22

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.320+/-0.000 χ^2/NDF: 7521791211.7/28

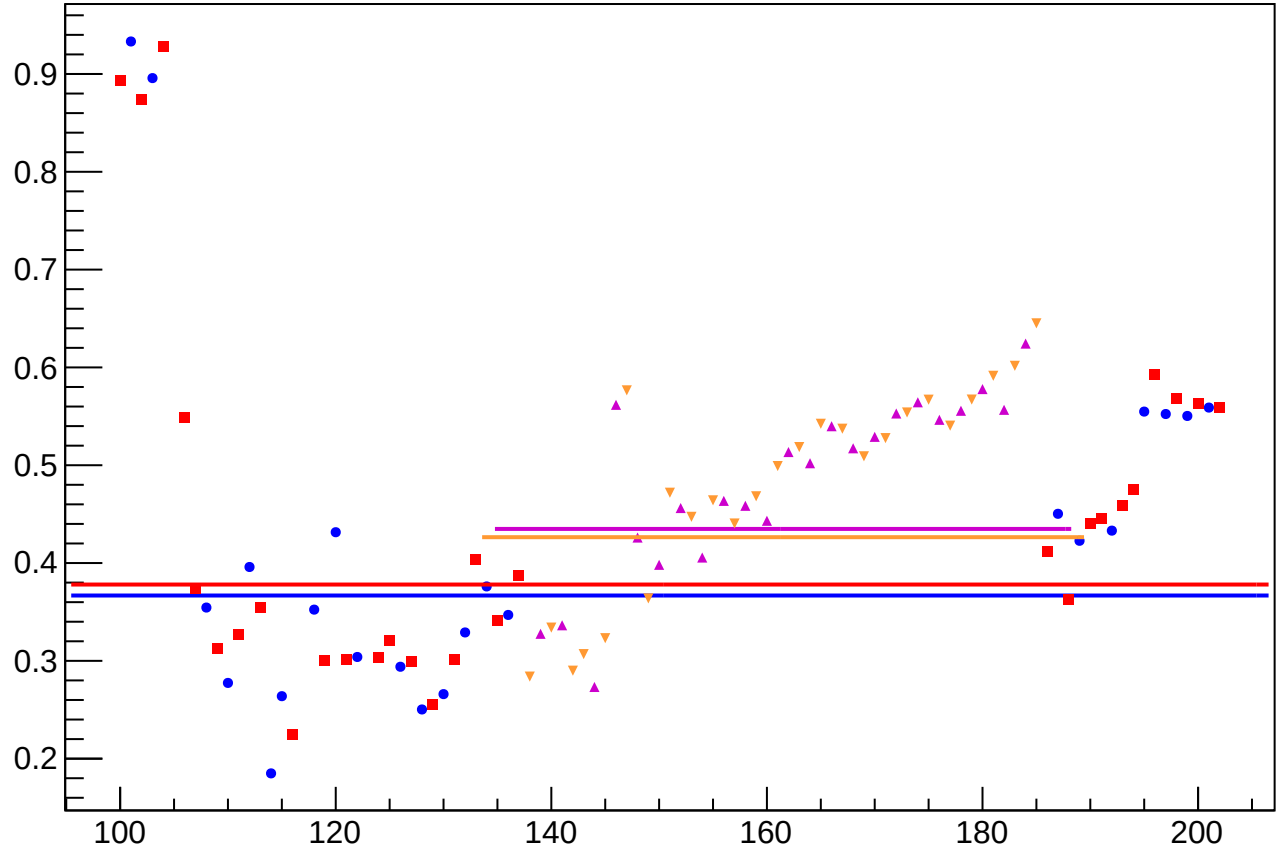
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.274+/-0.000 χ^2/NDF: 4339510798.1/47

All: 145.611+/-0.000 χ^2/NDF: 13501009671.

- sign 144.957+/-0.000 χ^2/NDF: 9010488667.1/51

yield_bcm_target_rms vs Slug



Right In: 0.367+/-0.000 χ^2/NDF: 2421648.6/22

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

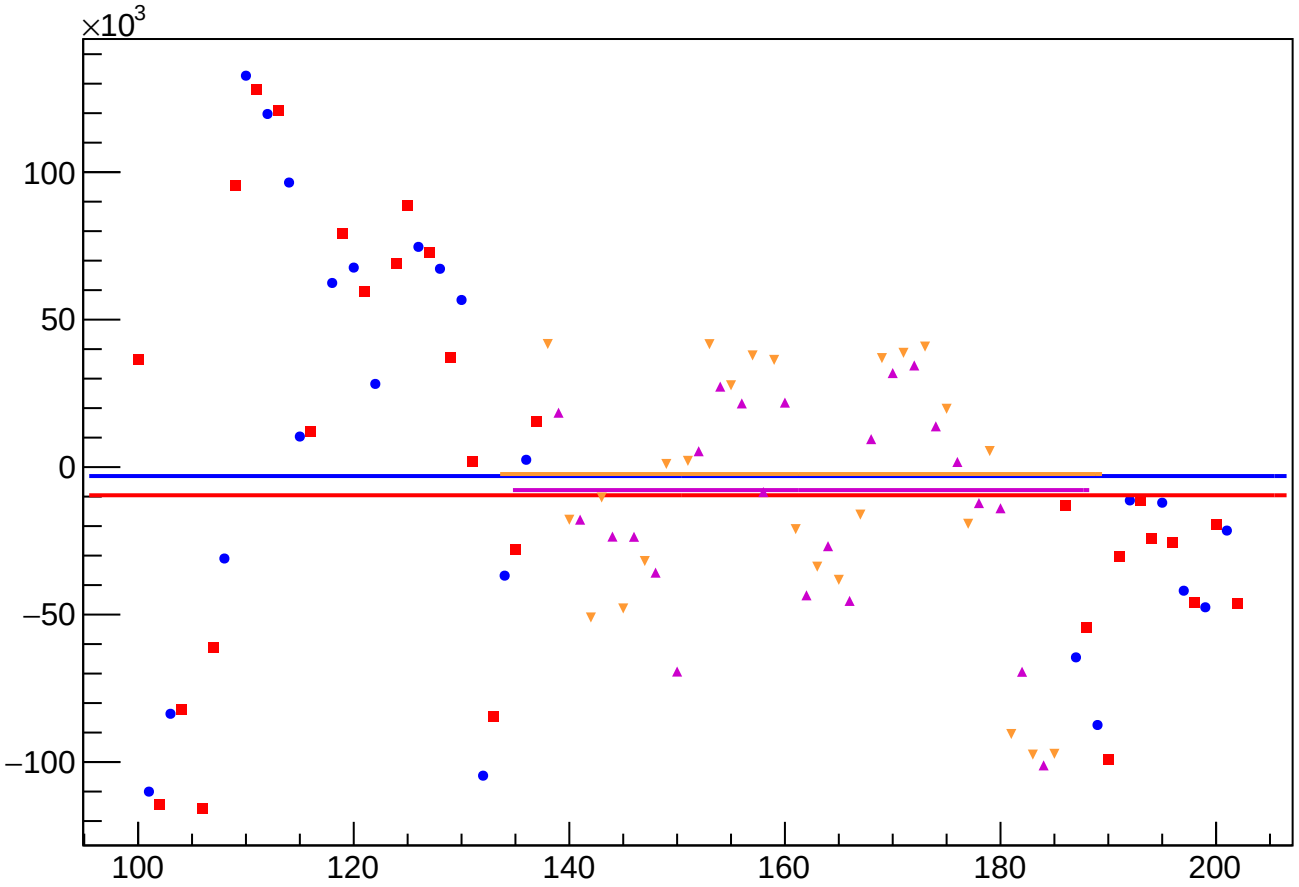
Right Out: 0.378+/-0.000 χ^2/NDF: 2487997.2/28

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.400+/-0.000 χ^2/NDF: 4983816.5/47

All: 0.404+/-0.000 χ^2/NDF: 9538162.2/99

- sign 0.407+/-0.000 χ^2/NDF: 4546589.8/51



Right In: -3033.179+/-1.553 χ^2/NDF: 1760773027.4/22

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -9548.910+/-1.394 χ^2/NDF: 2268569096.6/28

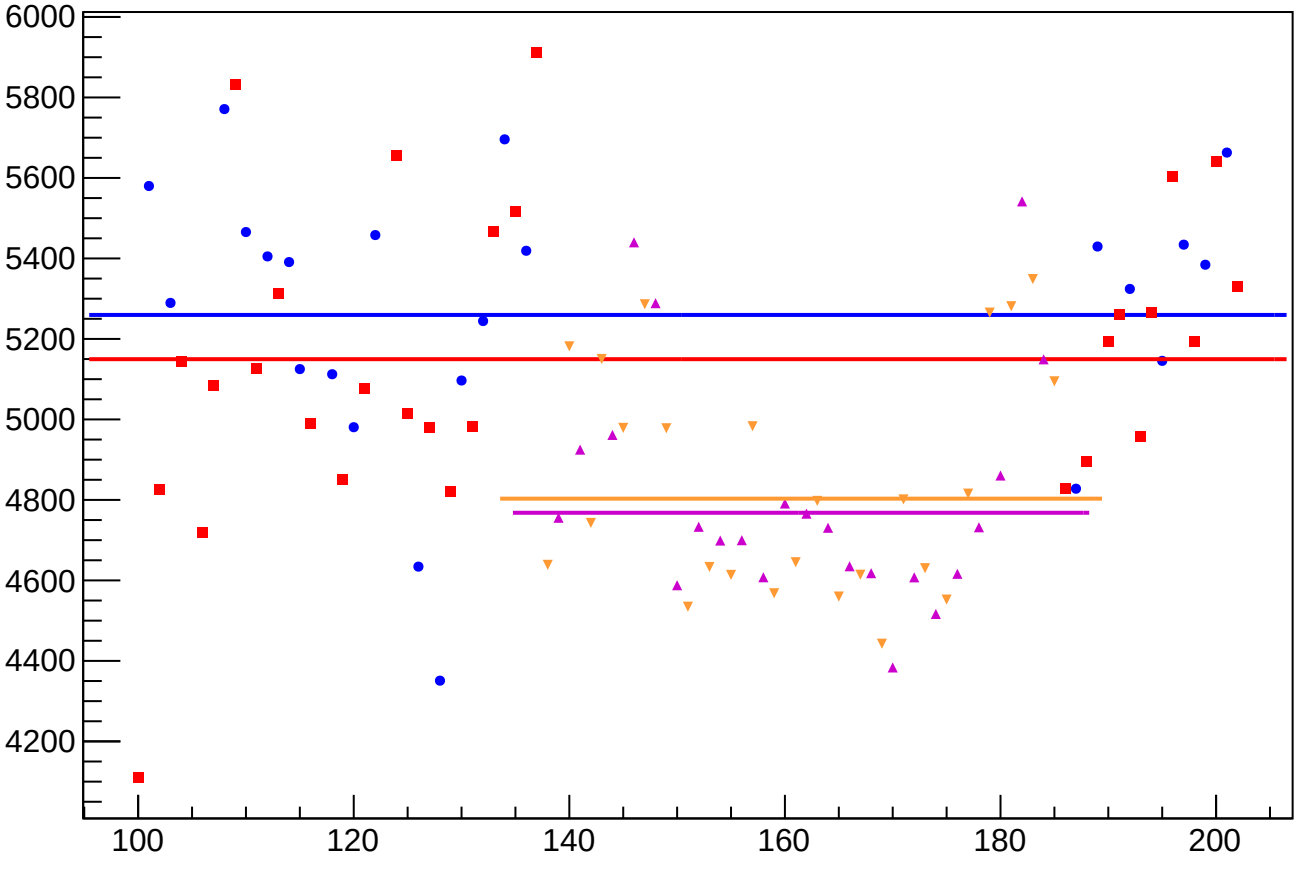
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -2581.368+/-0.910 χ^2/NDF: 2990931395.6/4

All: -5623.014+/-0.634 χ^2/NDF: 6044676404

- sign -8496.926+/-0.885 χ^2/NDF: 3032019035.8/51

yield_bcm_an_diff_rms vs Slug



Right In: 5259.628+/-1.098 χ^2/NDF: 94238.2/22

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5149.686+/-0.986 χ^2/NDF: 97076.5/28

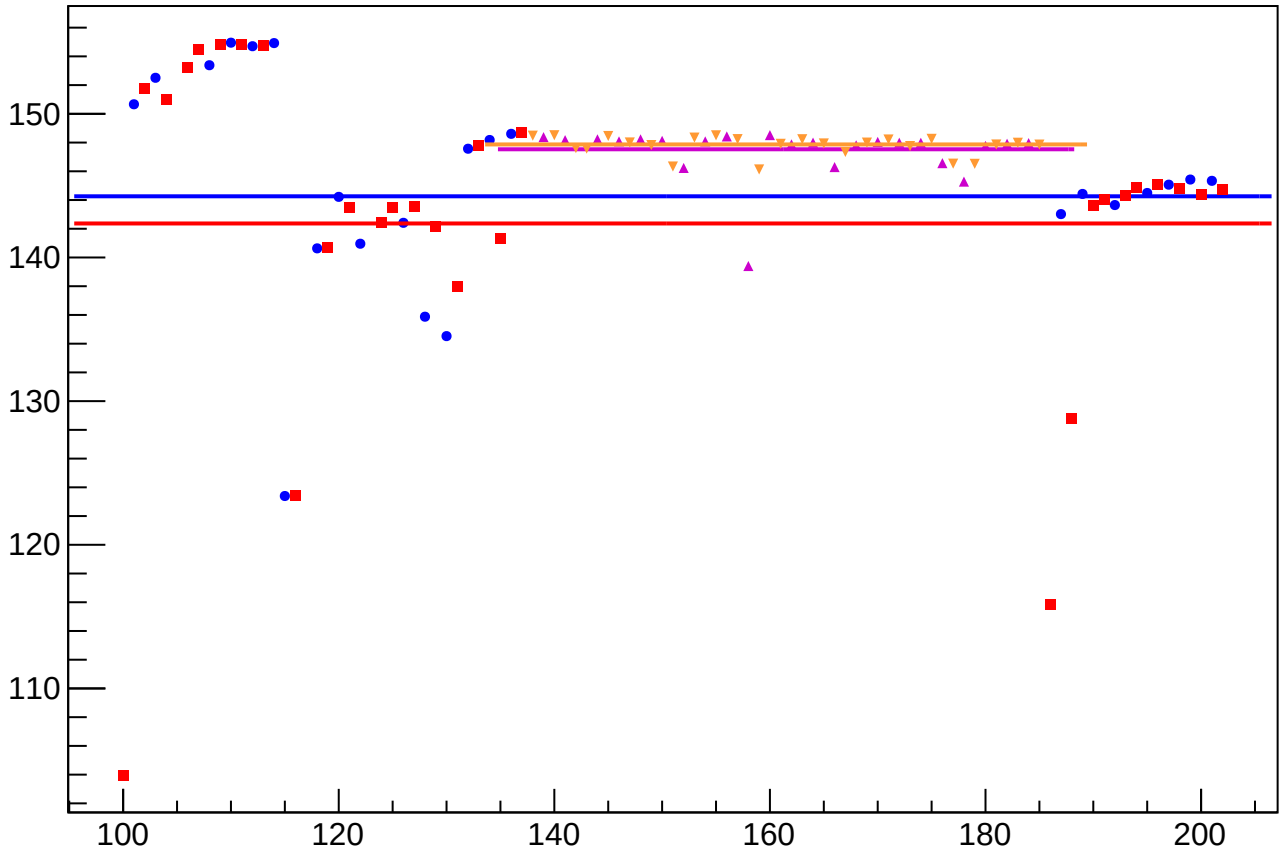
Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

\+ sign 4959.990+/-0.643 χ^2/NDF: 322419.4/47

All: 4940.313+/-0.449 χ^2/NDF: 613203.5/99

\- sign 4921.721+/-0.626 χ^2/NDF: 288965.6/51

yield_bcm_an_ds_mean vs Slug



Right In: 144.259+/-0.000 χ^2/NDF: 3777087567.8/22

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.368+/-0.000 χ^2/NDF: 7495994349.1/28

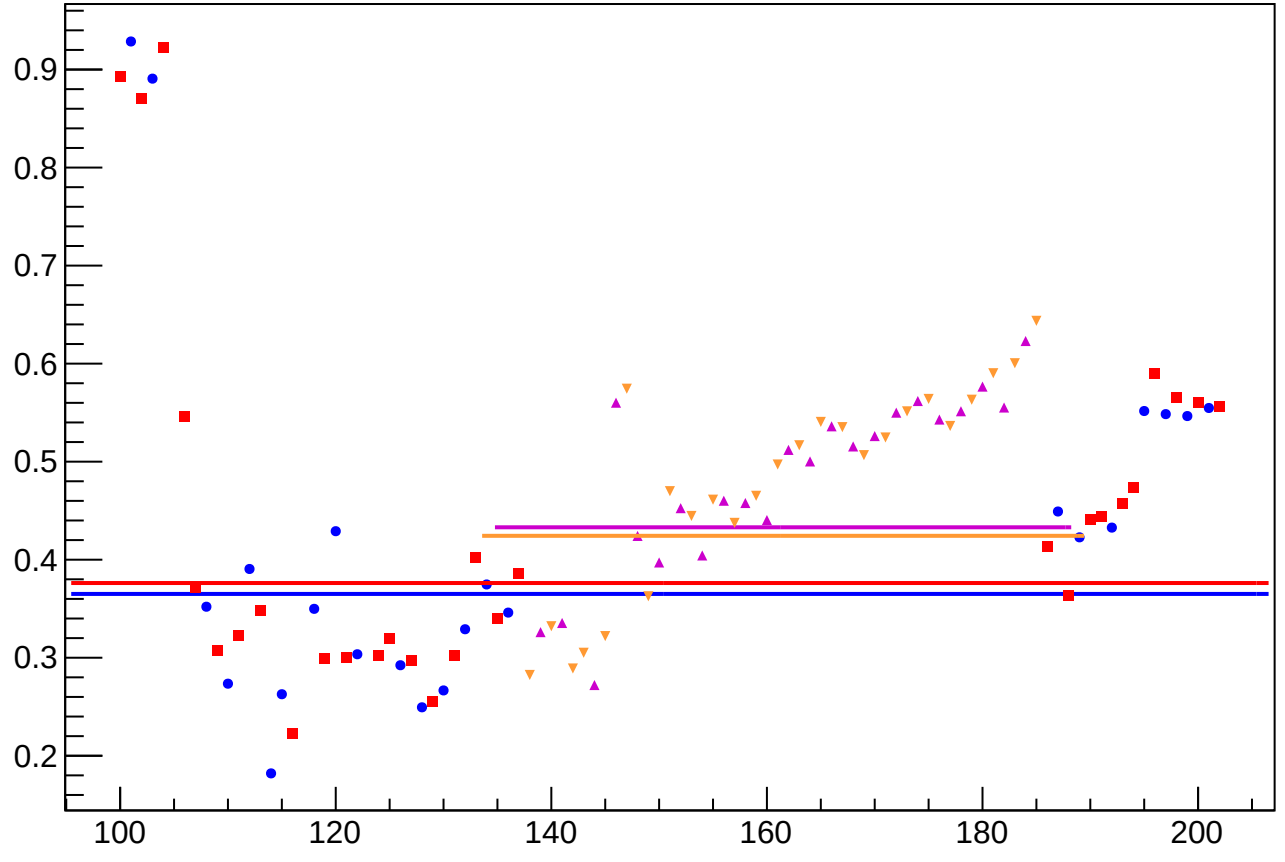
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.284+/-0.000 χ^2/NDF: 4382429197.3/47

All: 145.633+/-0.000 χ^2/NDF: 13513056956.

- sign 144.991+/-0.000 χ^2/NDF: 8983469641.3/51

yield_bcm_an_ds_rms vs Slug



Right In: 0.365+/-0.000 χ^2/NDF: 2419840.1/22

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

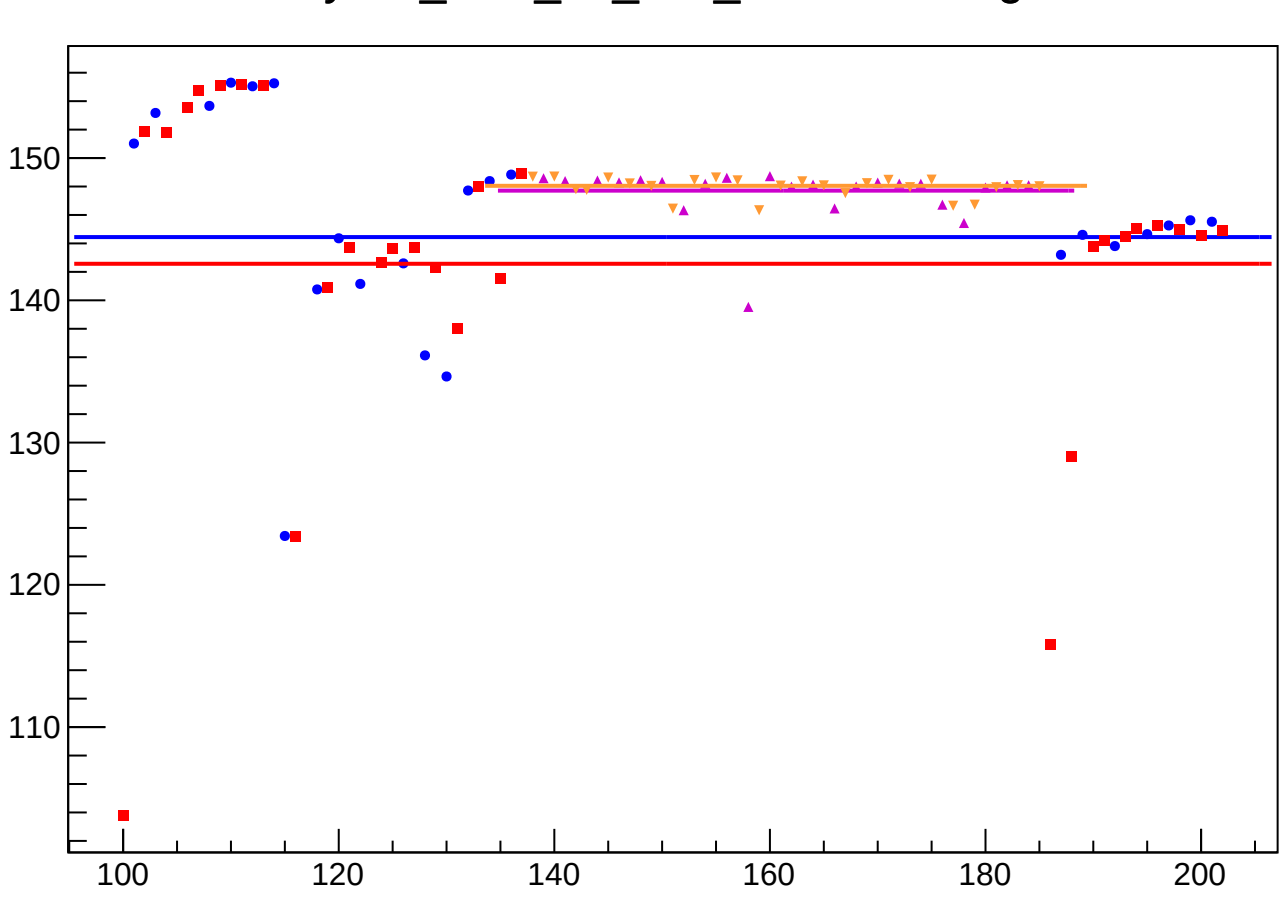
Right Out: 0.376+/-0.000 χ^2/NDF: 2494165.7/28

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.398+/-0.000 χ^2/NDF: 4982980.9/47

All: 0.402+/-0.000 χ^2/NDF: 9542354.5/99

- sign 0.405+/-0.000 χ^2/NDF: 4551352.1/51



Right In: 144.446+/-0.000 χ^2/NDF: 3770955514.2/22

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.569+/-0.000 χ^2/NDF: 7431040330.3/28

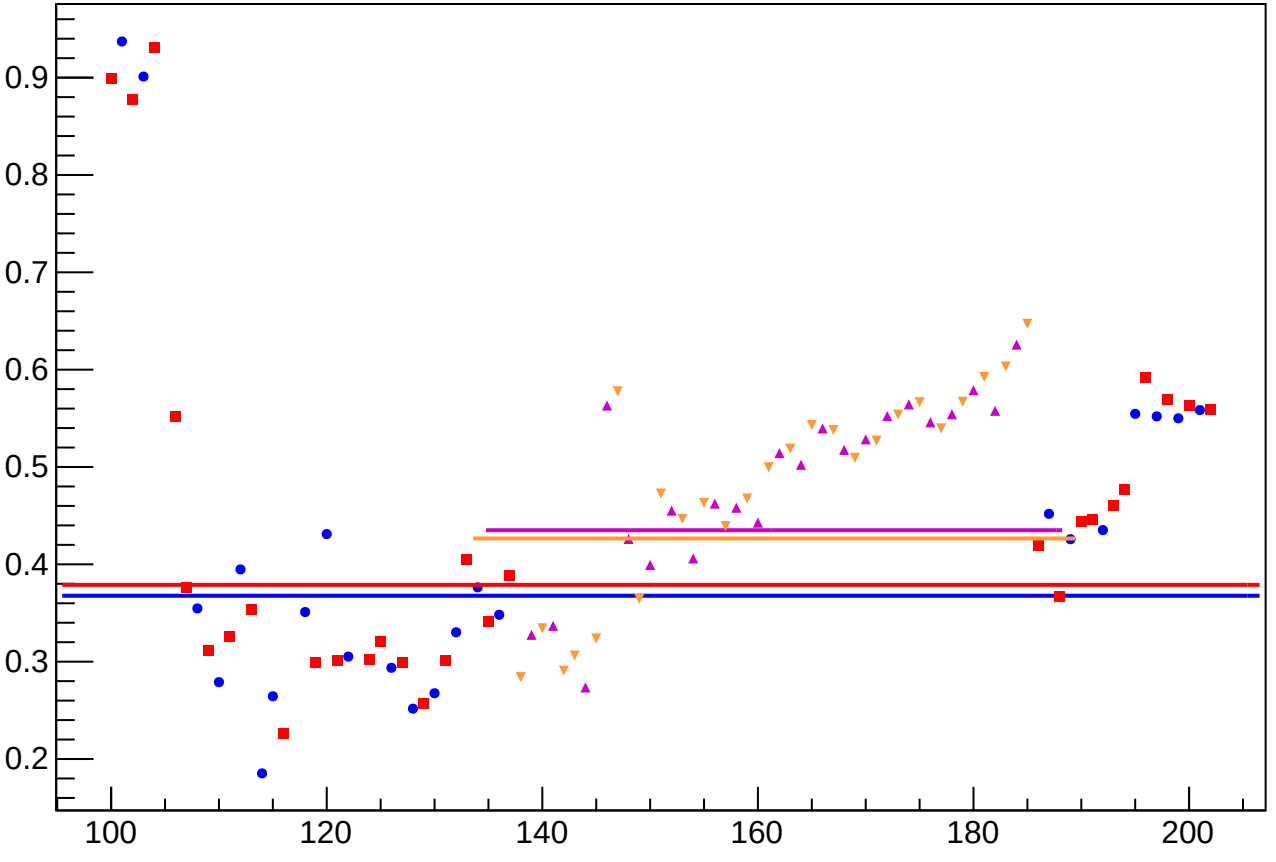
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.470+/-0.000 χ^2/NDF: 4367725015.2/47

All: 145.824+/-0.000 χ^2/NDF: 13410377634.

- sign 145.186+/-0.000 χ^2/NDF: 8899436178.3/51

yield_bcm_an_ds3_rms vs Slug



Right In: 0.368+/-0.000 χ^2/NDF: 2411123.6/22

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

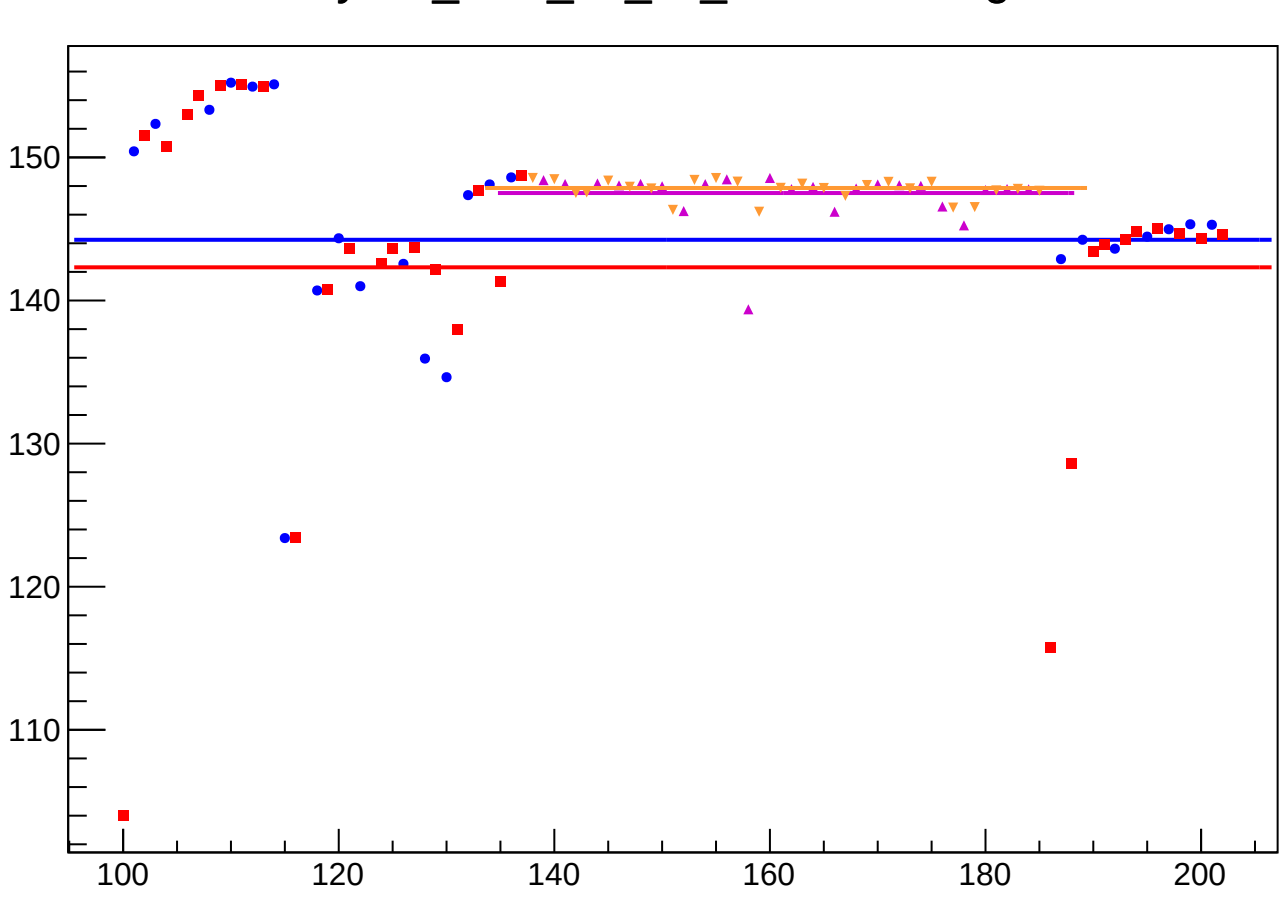
Right Out: 0.379+/-0.000 χ^2/NDF: 2489816.5/28

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.401+/-0.000 χ^2/NDF: 4962650.9/47

All: 0.404+/-0.000 χ^2/NDF: 9505778.5/99

- sign 0.407+/-0.000 χ^2/NDF: 4535278.5/51



Right In: 144.244+/-0.000 χ^2/NDF: 3736007829.6/22

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.320+/-0.000 χ^2/NDF: 7521791211.7/28

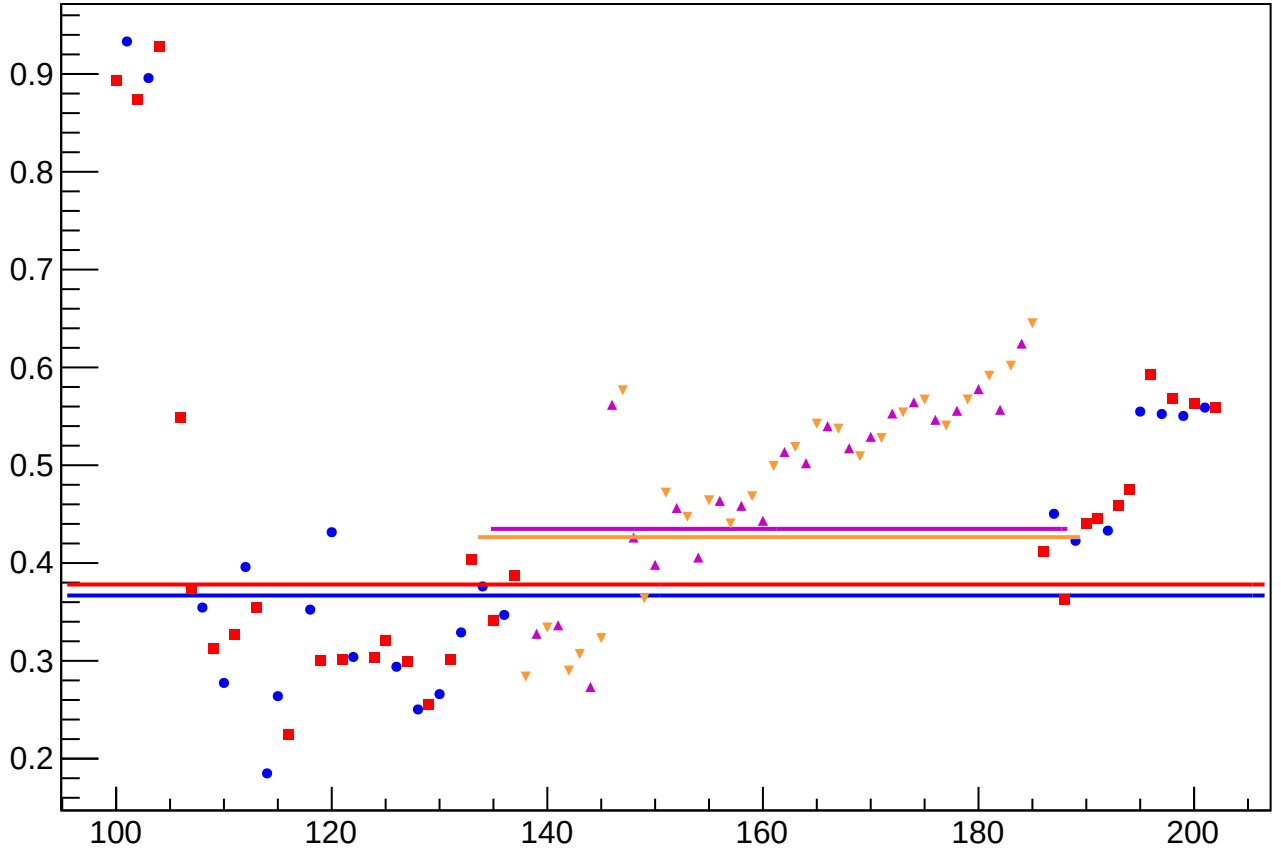
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.274+/-0.000 χ^2/NDF: 4339510798.1/47

All: 145.611+/-0.000 χ^2/NDF: 13501009671.

- sign 144.957+/-0.000 χ^2/NDF: 9010488667.1/51

yield_bcm_an_us_rms vs Slug



Right In: 0.367+/-0.000 χ^2/NDF: 2421648.6/22

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

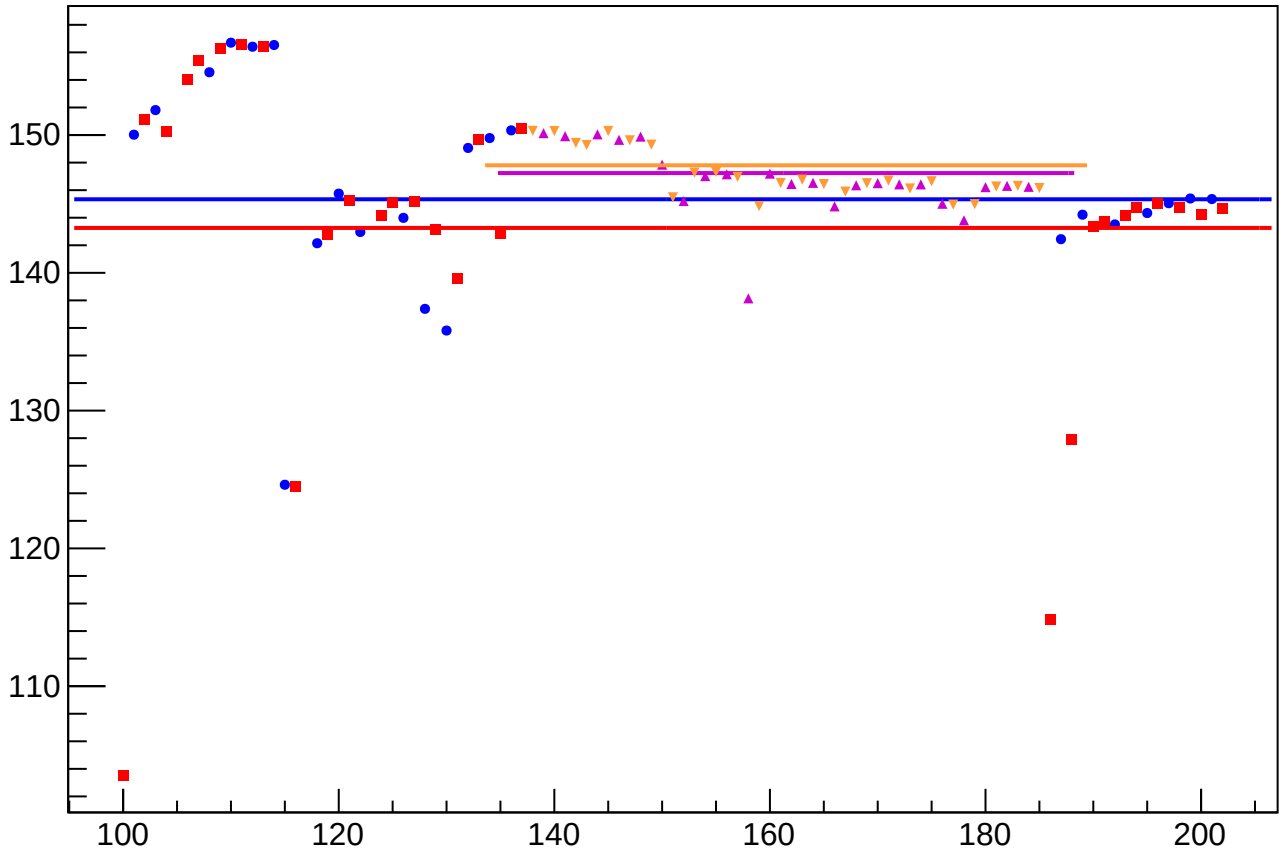
Right Out: 0.378+/-0.000 χ^2/NDF: 2487997.2/28

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.400+/-0.000 χ^2/NDF: 4983816.5/47

All: 0.404+/-0.000 χ^2/NDF: 9538162.2/99

- sign 0.407+/-0.000 χ^2/NDF: 4546589.8/51



Right In: 145.339+/-0.000 χ^2/NDF: 3514985965.5/22

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.259+/-0.000 χ^2/NDF: 7605383391.3/28

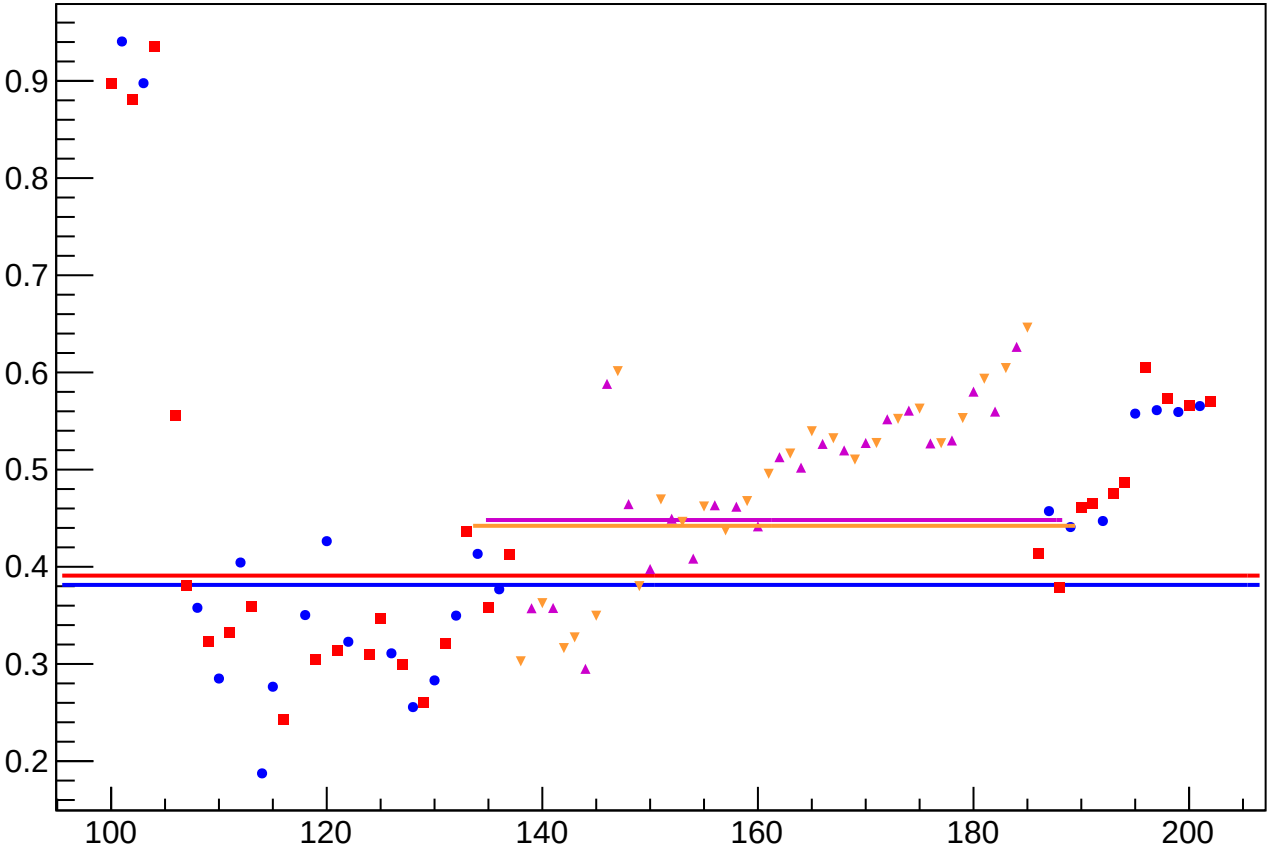
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.731+/-0.000 χ^2/NDF: 4084115958.2/47

All: 146.007+/-0.000 χ^2/NDF: 13133273736.

- sign 145.300+/-0.000 χ^2/NDF: 8881332513.7/51

yield_bcm_dg_us_rms vs Slug



Right In: 0.381+/-0.000 χ^2/NDF: 2302009.1/22

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.391+/-0.000 χ^2/NDF: 2382250.7/28

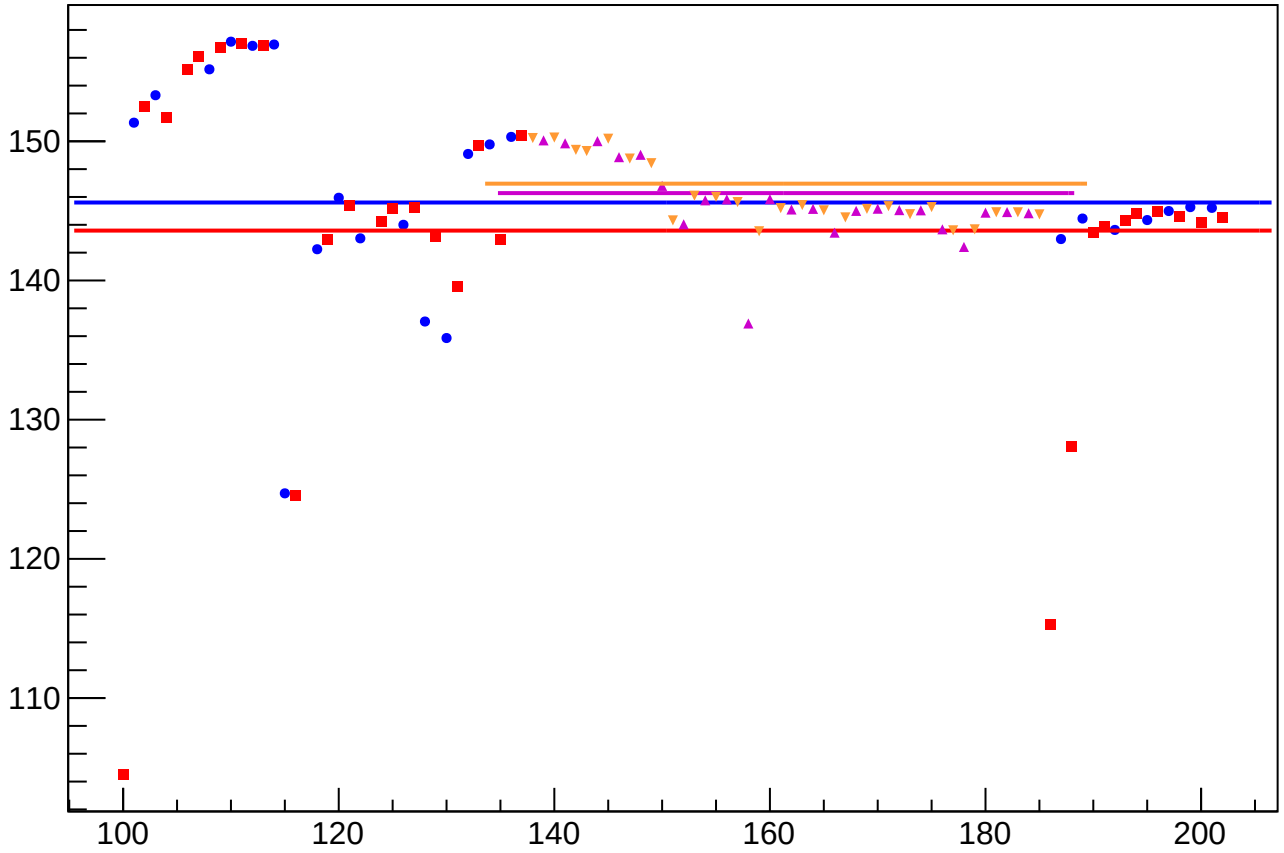
Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.416+/-0.000 χ^2/NDF: 4300750.0/47

All: 0.418+/-0.000 χ^2/NDF: 8305570.3/99

- sign 0.420+/-0.000 χ^2/NDF: 4001416.7/51

yield_bcm_dg_ds_mean vs Slug



Right In: 145.602+/-0.000 χ^2/NDF: 3660970805.8/22

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.585+/-0.000 χ^2/NDF: 7670456241.6/28

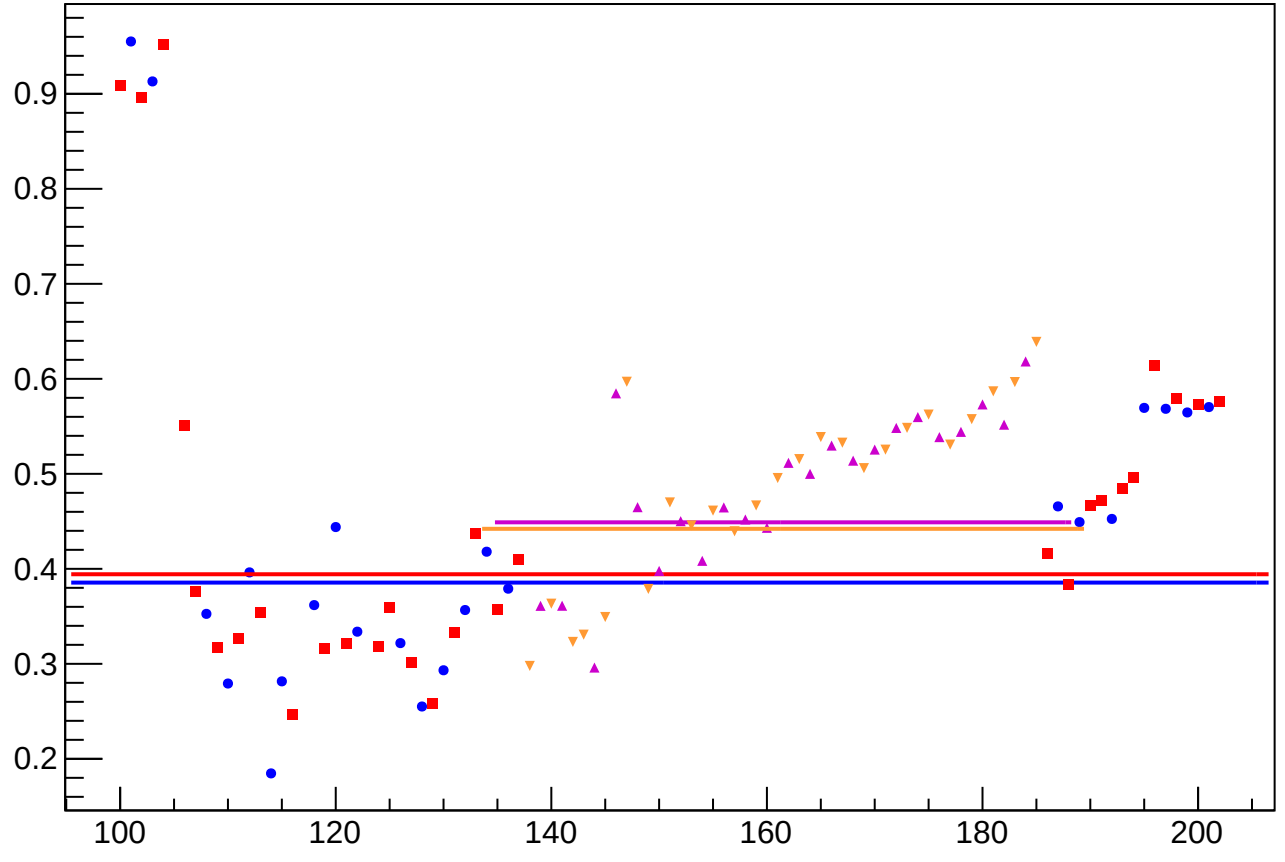
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.375+/-0.000 χ^2/NDF: 4275754123.0/47

All: 145.667+/-0.000 χ^2/NDF: 13226818337.

- sign 144.977+/-0.000 χ^2/NDF: 8792681406.9/51

yield_bcm_dg_ds_rms vs Slug



Right In: 0.386+/-0.000 χ^2/NDF: 2335180.7/22

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.394+/-0.000 χ^2/NDF: 2404413.2/28

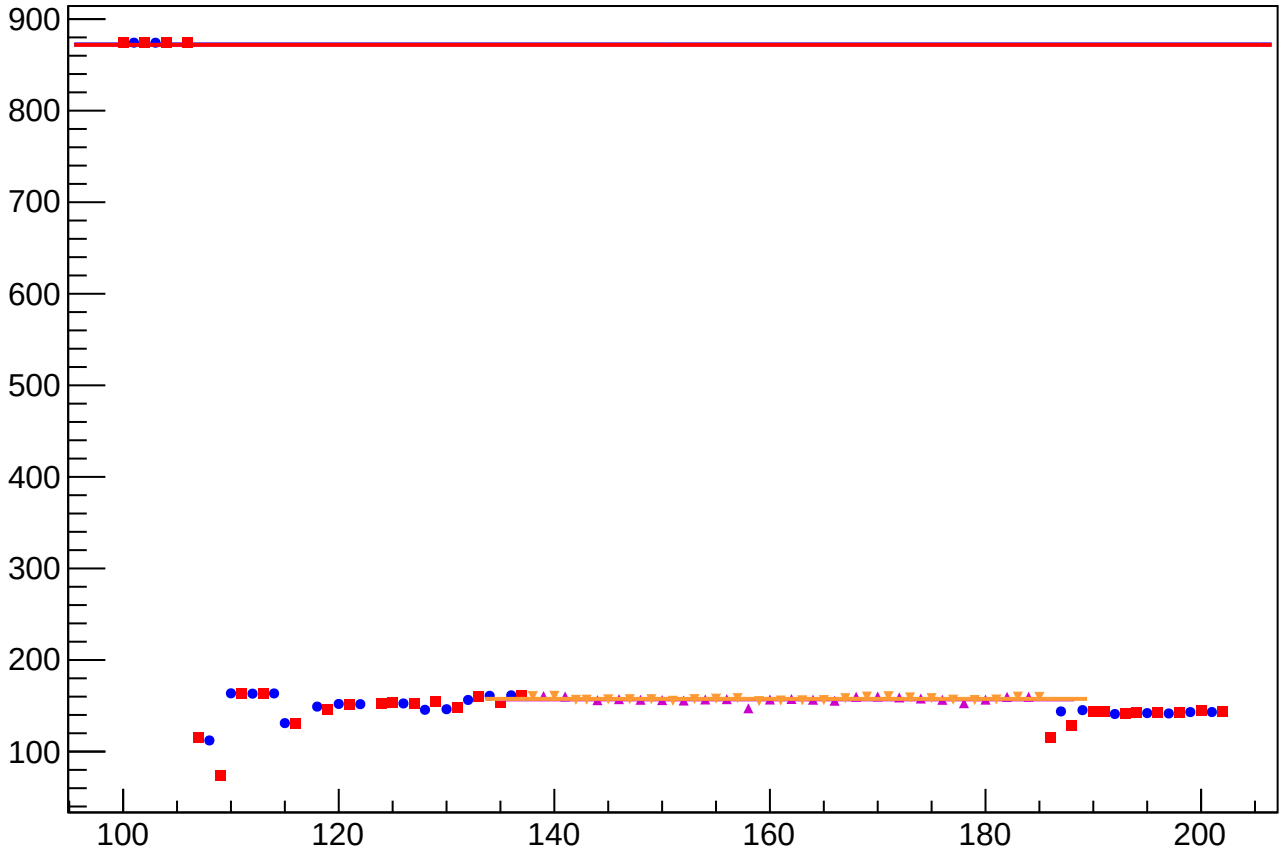
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.418+/-0.000 χ^2/NDF: 4263358.4/47

All: 0.420+/-0.000 χ^2/NDF: 8216763.9/99

- sign 0.423+/-0.000 χ^2/NDF: 3949786.9/51

yield_cav4bQ_mean vs Slug



Right In: 872.289+/-0.000 χ^2/NDF: 9961452099862.3/22

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.883+/-0.000 χ^2/NDF: 13957590324020.4/28

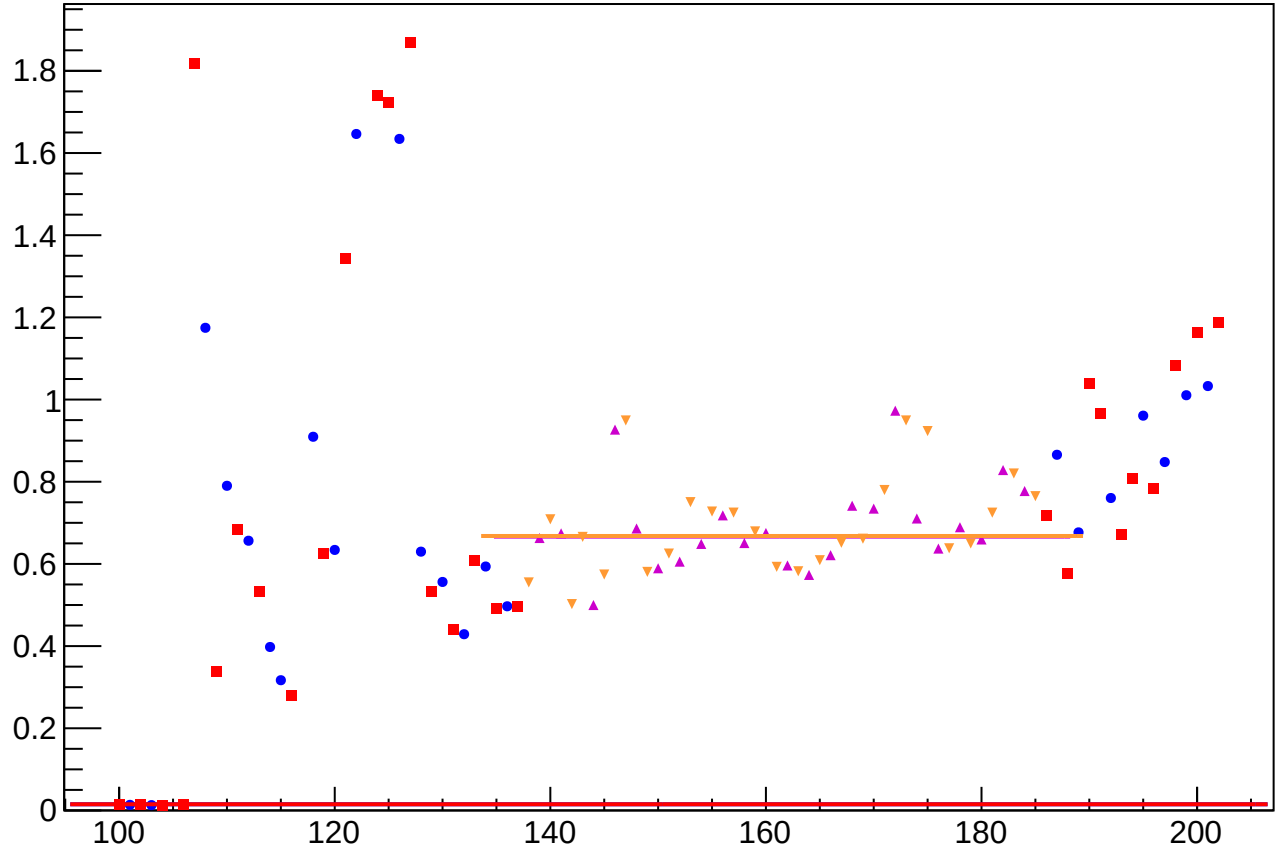
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.909+/-0.000 χ^2/NDF: 27186960275248.

All: 868.998+/-0.000 χ^2/NDF: 576419588416

- sign 869.074+/-0.000 χ^2/NDF: 30454893828807.8

yield_cav4bQ_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 17189692.5/22

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 20625124.4/28

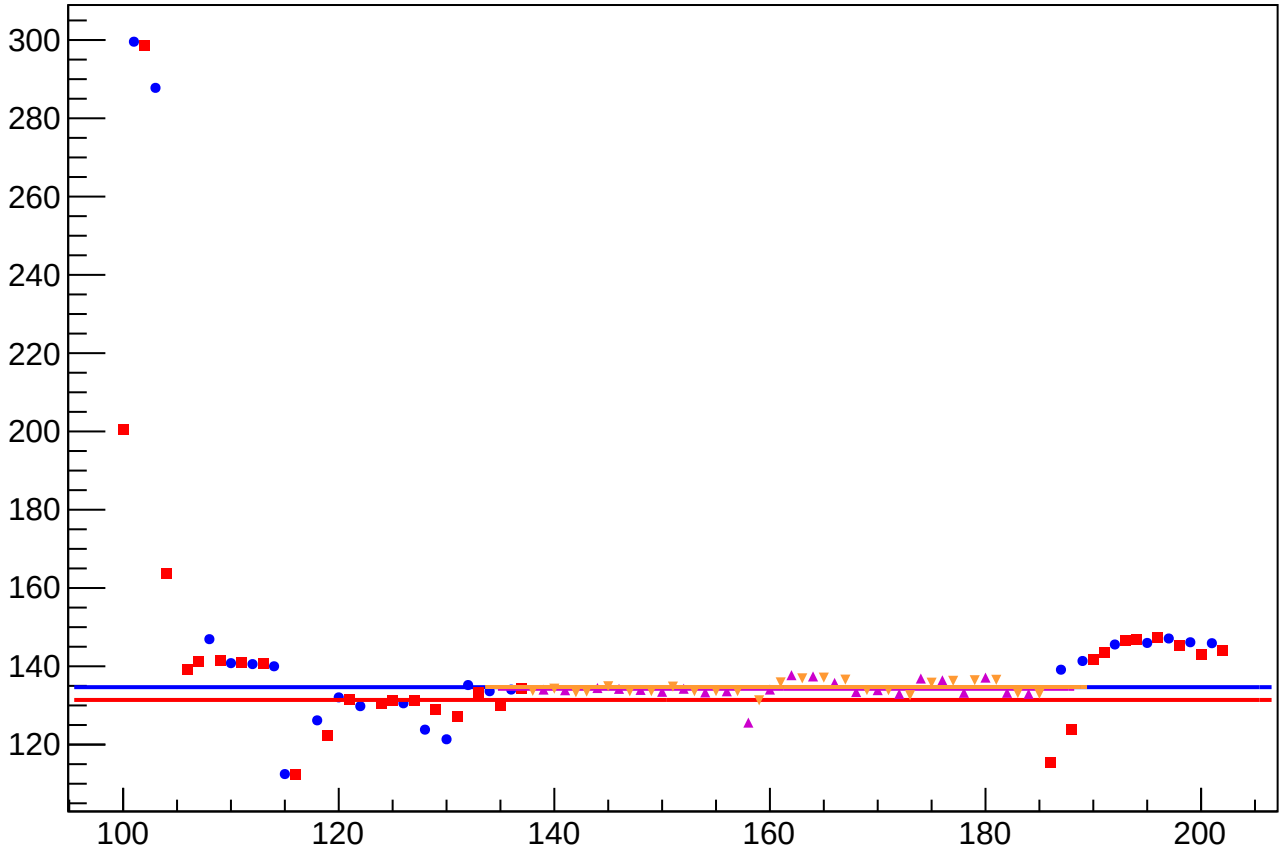
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 46626861.4/47

All: 0.018+/-0.000 χ^2/NDF: 95184525.3/99

- sign 0.018+/-0.000 χ^2/NDF: 48556067.8/51

yield_cav4cQ_mean vs Slug



Right In: 134.669+/-0.000 χ^2/NDF: 2988568343.0/22

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 131.404+/-0.000 χ^2/NDF: 4388579090.6/28

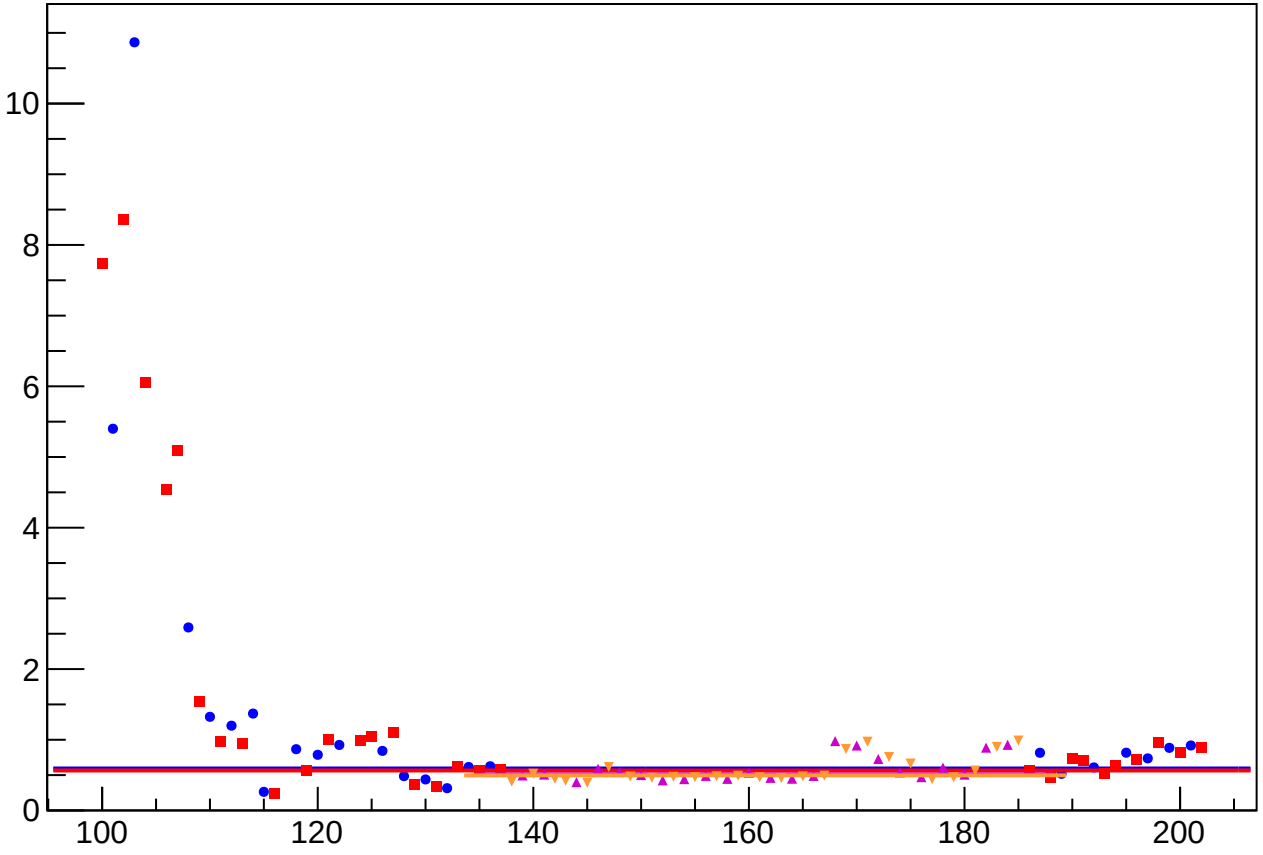
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.703+/-0.000 χ^2/NDF: 3148486148.7/47

All: 134.022+/-0.000 χ^2/NDF: 8215490437.1

- sign 133.346+/-0.000 χ^2/NDF: 4985646422.5/51

yield_cav4cQ_rms vs Slug



Right In: 0.594+/-0.000 χ^2/NDF: 4805167.6/22

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.566+/-0.000 χ^2/NDF: 5806792.1/28

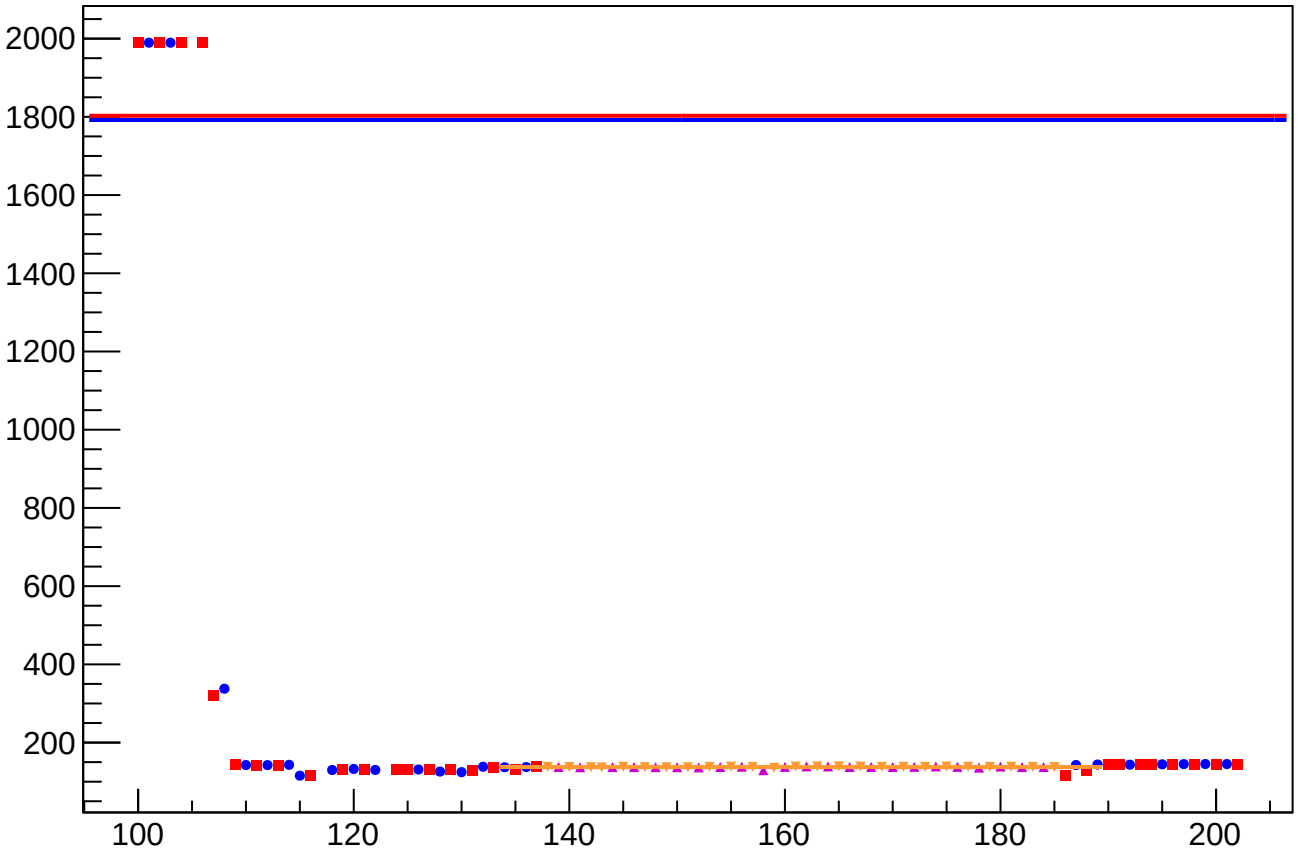
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.520+/-0.000 χ^2/NDF: 6677893.0/47

All: 0.524+/-0.000 χ^2/NDF: 14095833.5/99

- sign 0.527+/-0.000 χ^2/NDF: 7413228.8/51

yield_cav4dQ_mean vs Slug



Right In: 1791.966+/-0.000 χ^2/NDF: 192153920521243.2/22

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1802.746+/-0.000 χ^2/NDF: 215483081759631.6/28

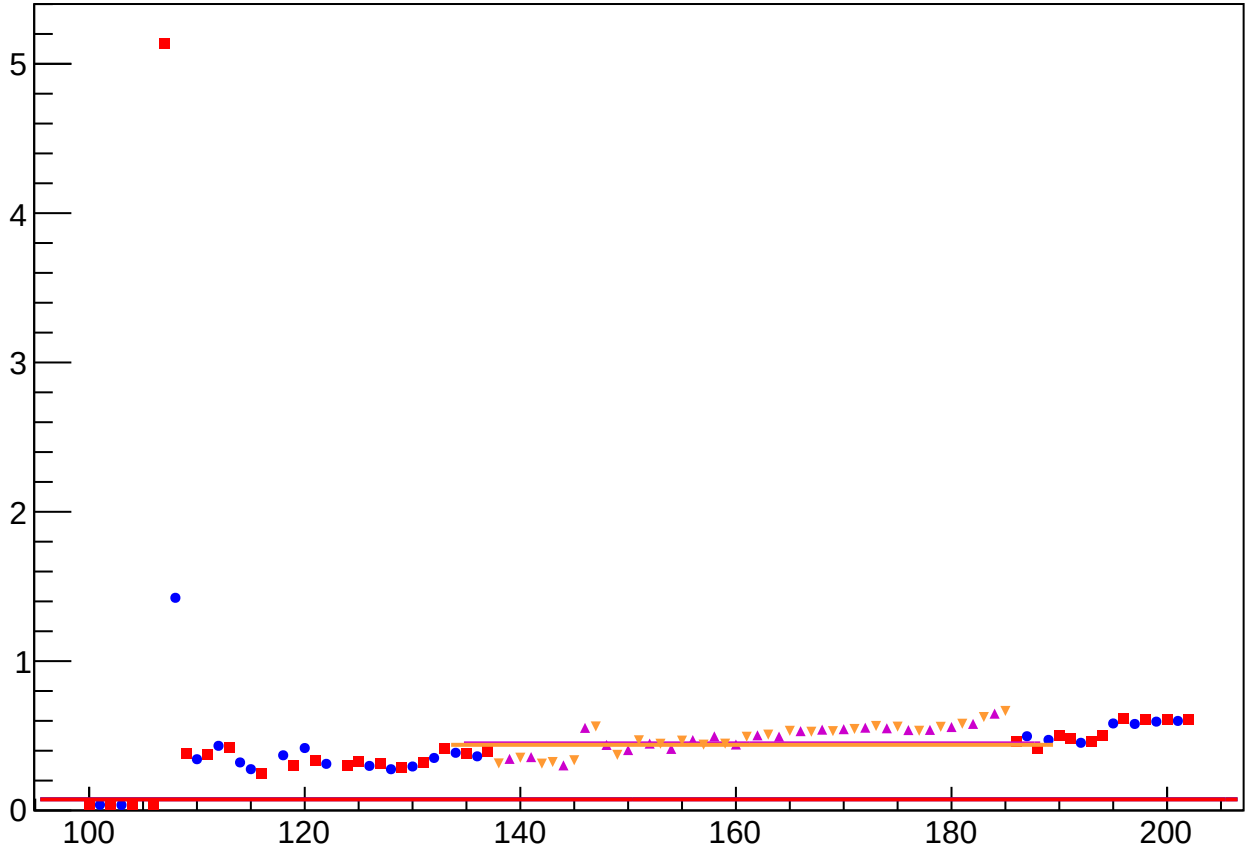
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1565.988+/-0.000 χ^2/NDF: 41156105827203

All: 1595.105+/-0.000 χ^2/NDF: 8378005887

- sign 1620.606+/-0.000 χ^2/NDF: 42515854713468

yield_cav4dQ_rms vs Slug



Right In: 0.075+/-0.000 χ^2/NDF: 15459733.6/22

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.074+/-0.000 χ^2/NDF: 18177203.4/28

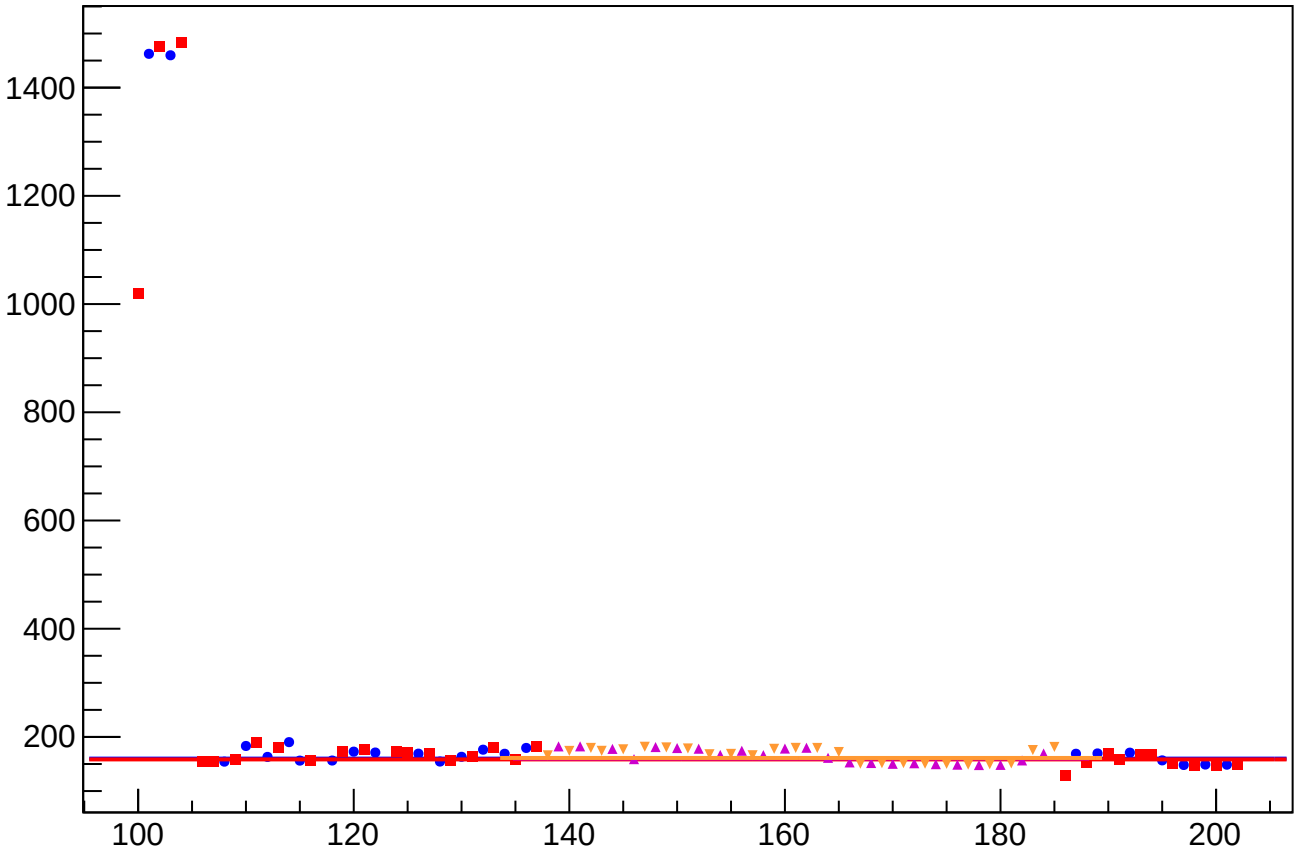
Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.125+/-0.000 χ^2/NDF: 38524880.0/47

All: 0.120+/-0.000 χ^2/NDF: 79407684.8/99

- sign 0.115+/-0.000 χ^2/NDF: 40812706.0/51

yield_bcm0l02_mean vs Slug



Right In: 159.935+/-0.000 χ^2/NDF: 15734967083.8/22

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.478+/-0.000 χ^2/NDF: 18146327733.7/28

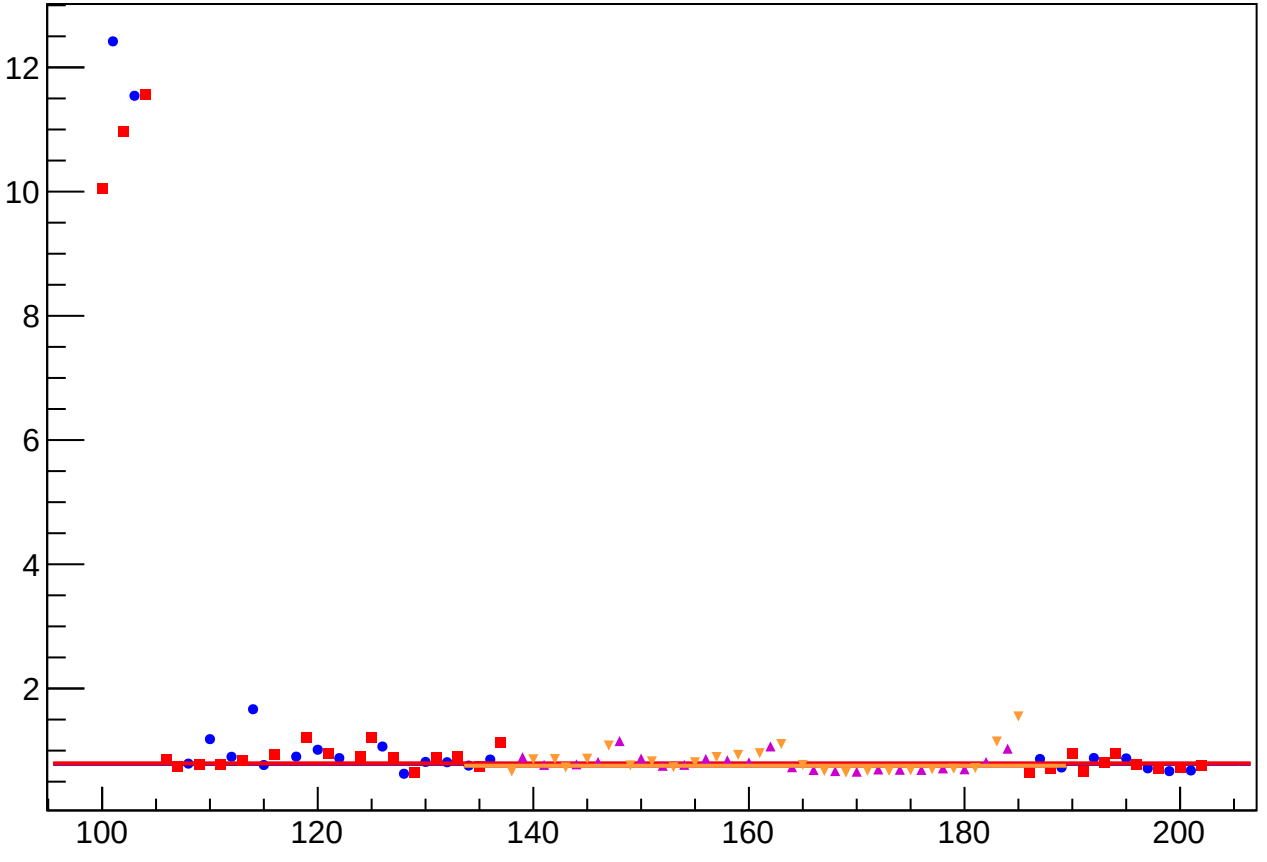
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 160.722+/-0.000 χ^2/NDF: 19486669400.2/47

All: 160.084+/-0.000 χ^2/NDF: 41427664916.

- sign 159.472+/-0.000 χ^2/NDF: 21910867297.1/51

yield_bcm0l02_rms vs Slug



Right In: 0.787+/-0.000 χ^2/NDF: 2495853.6/22

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

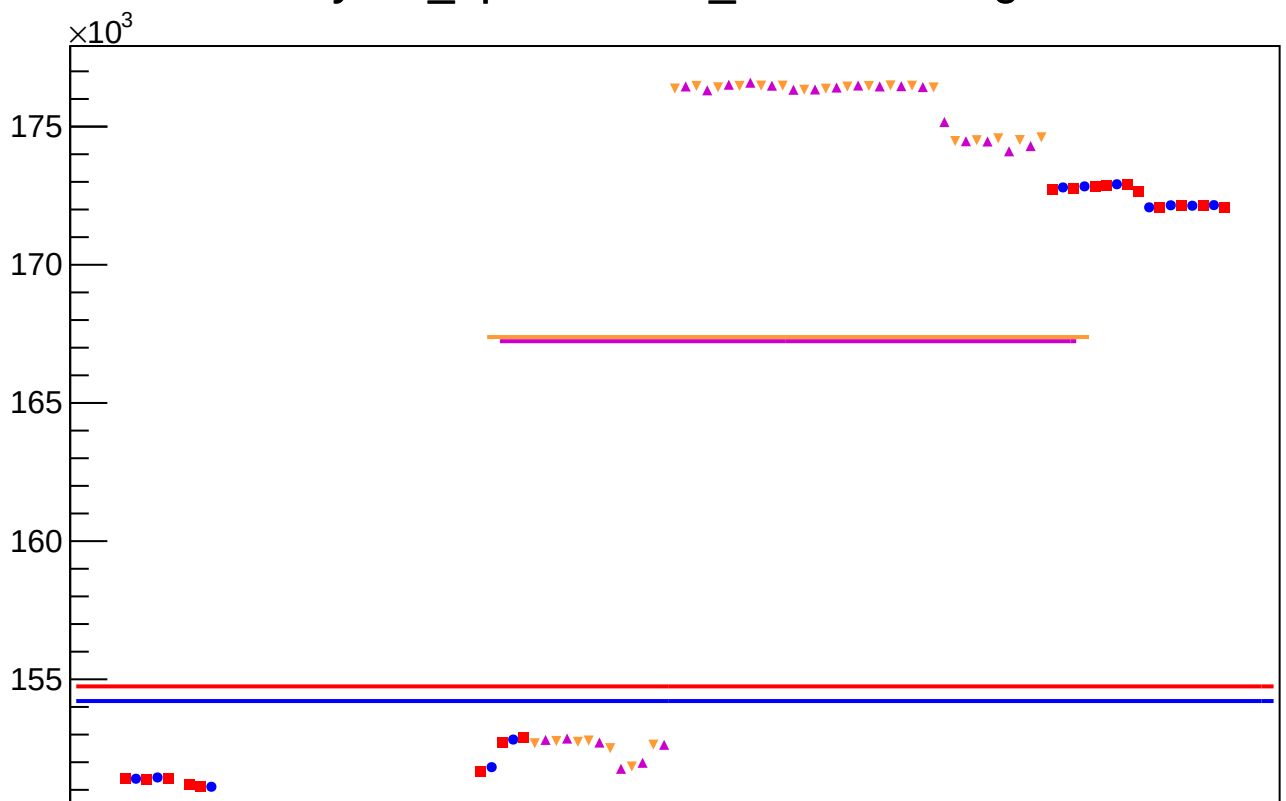
Right Out: 0.794+/-0.000 χ^2/NDF: 2427228.3/28

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.767+/-0.000 χ^2/NDF: 3261808.5/47

All: 0.769+/-0.000 χ^2/NDF: 6190964.7/99

- sign 0.771+/-0.000 χ^2/NDF: 2928504.0/51



Right In: 154213.530+/-0.050 χ^2/NDF: 26907298214.1/22

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 154743.501+/-0.046 χ^2/NDF: 35454072626.1/28

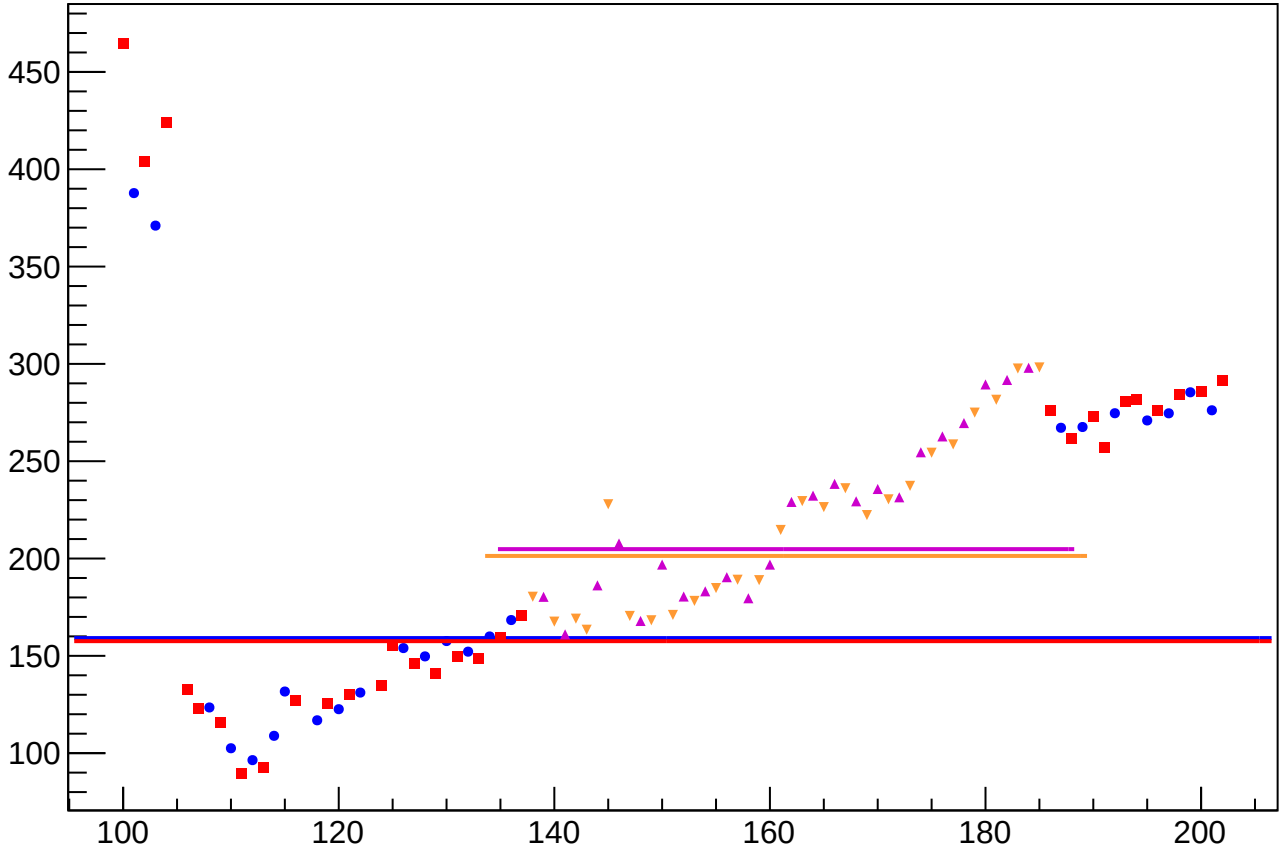
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161222.920+/-0.034 χ^2/NDF: 12367829972

All: 160901.447+/-0.024 χ^2/NDF: 2491440

- sign 160592.112+/-0.033 χ^2/NDF: 125291218331

yield_bpm2i01WS_rms vs Slug



Right In: 159.124+/-0.035 χ^2/NDF: 3585779.2/22

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

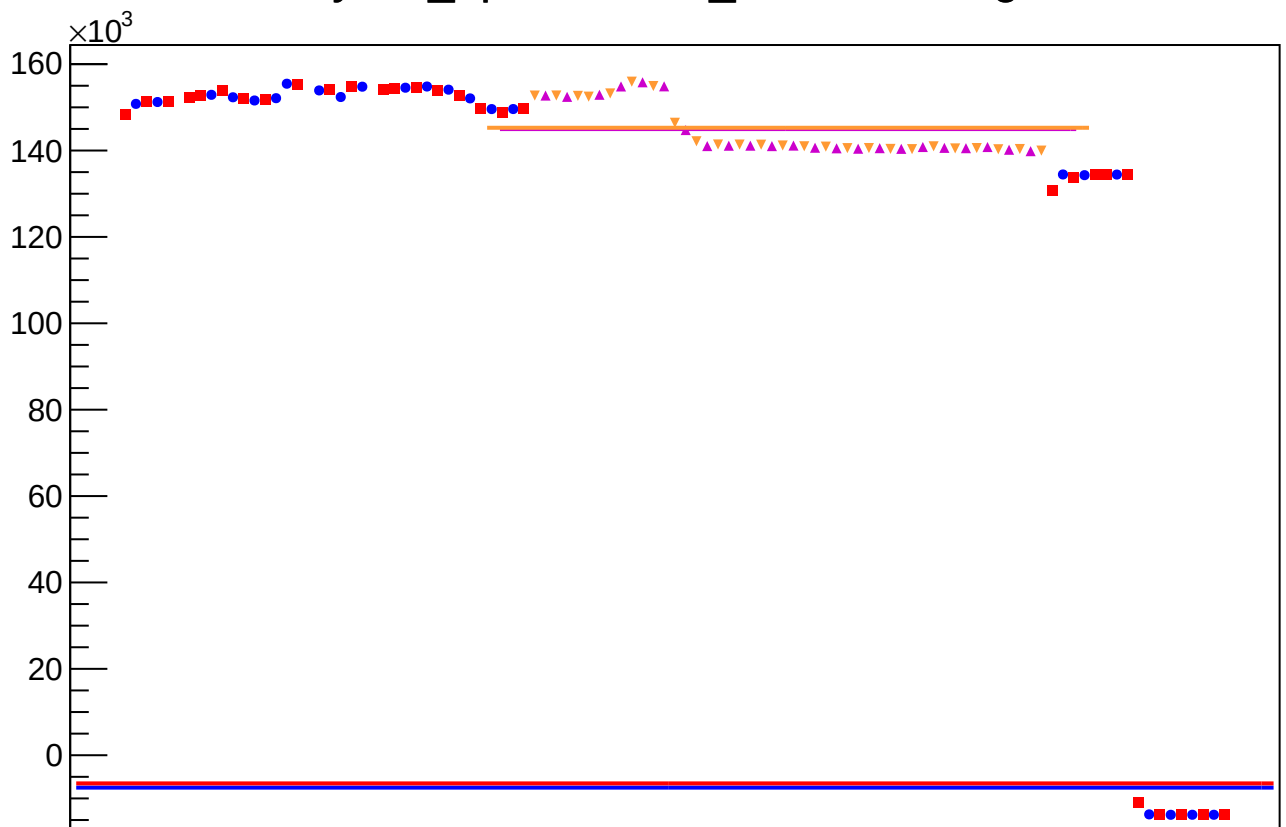
Right Out: 157.544+/-0.032 χ^2/NDF: 4886041.6/28

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 181.583+/-0.024 χ^2/NDF: 5579610.3/47

All: 180.615+/-0.017 χ^2/NDF: 12517447.5/99

- sign 179.683+/-0.024 χ^2/NDF: 6934672.5/51



Right In: -7497.648+/-0.013 χ^2/NDF: 5754590637550.3/22

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -6521.519+/-0.012 χ^2/NDF: 6992198416884.8/28

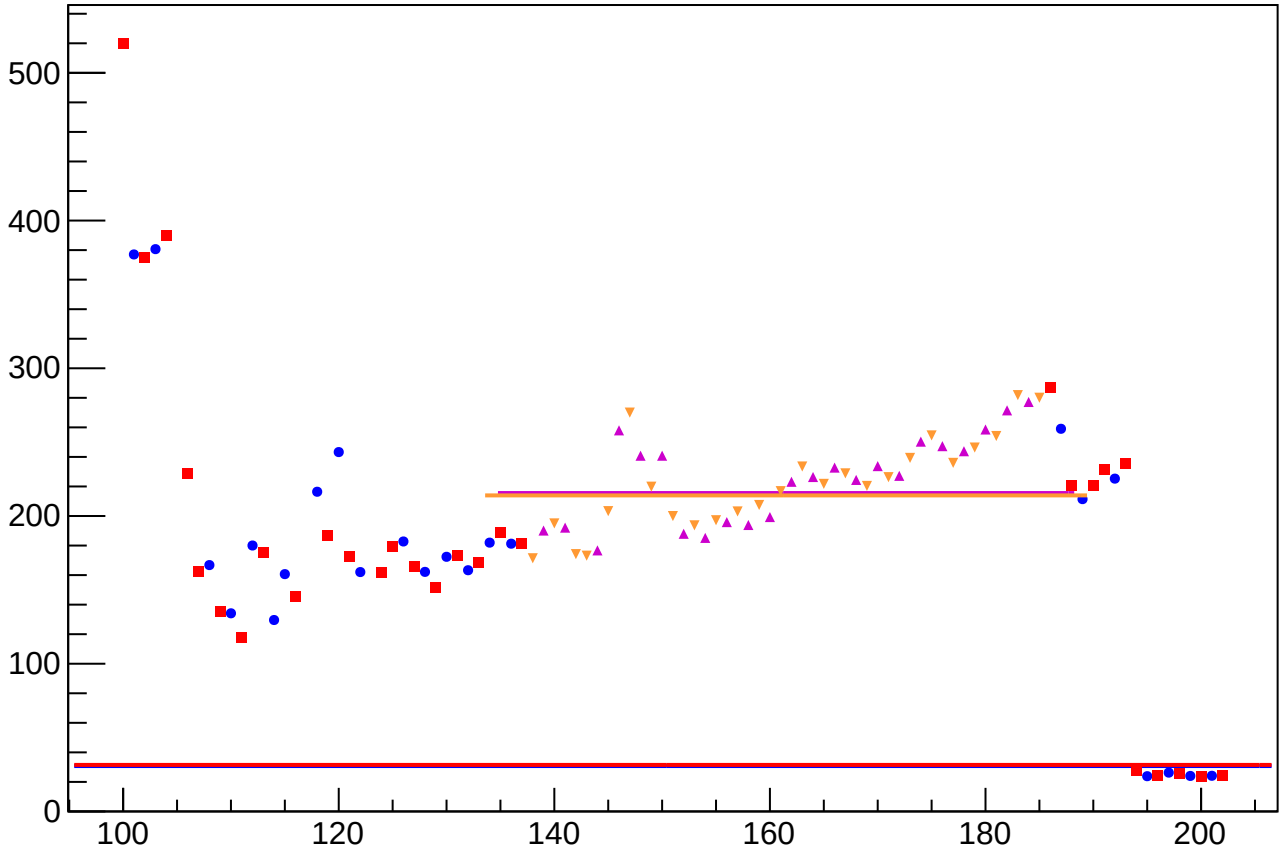
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 2539.122+/-0.013 χ^2/NDF: 14707803331594

All: 2240.133+/-0.009 χ^2/NDF: 2997656631

- sign 1966.054+/-0.012 χ^2/NDF: 15267693766347

yield_bpm0i07WS_rms vs Slug



Right In: 30.737+/-0.009 χ^2/NDF: 12407289.4/22

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

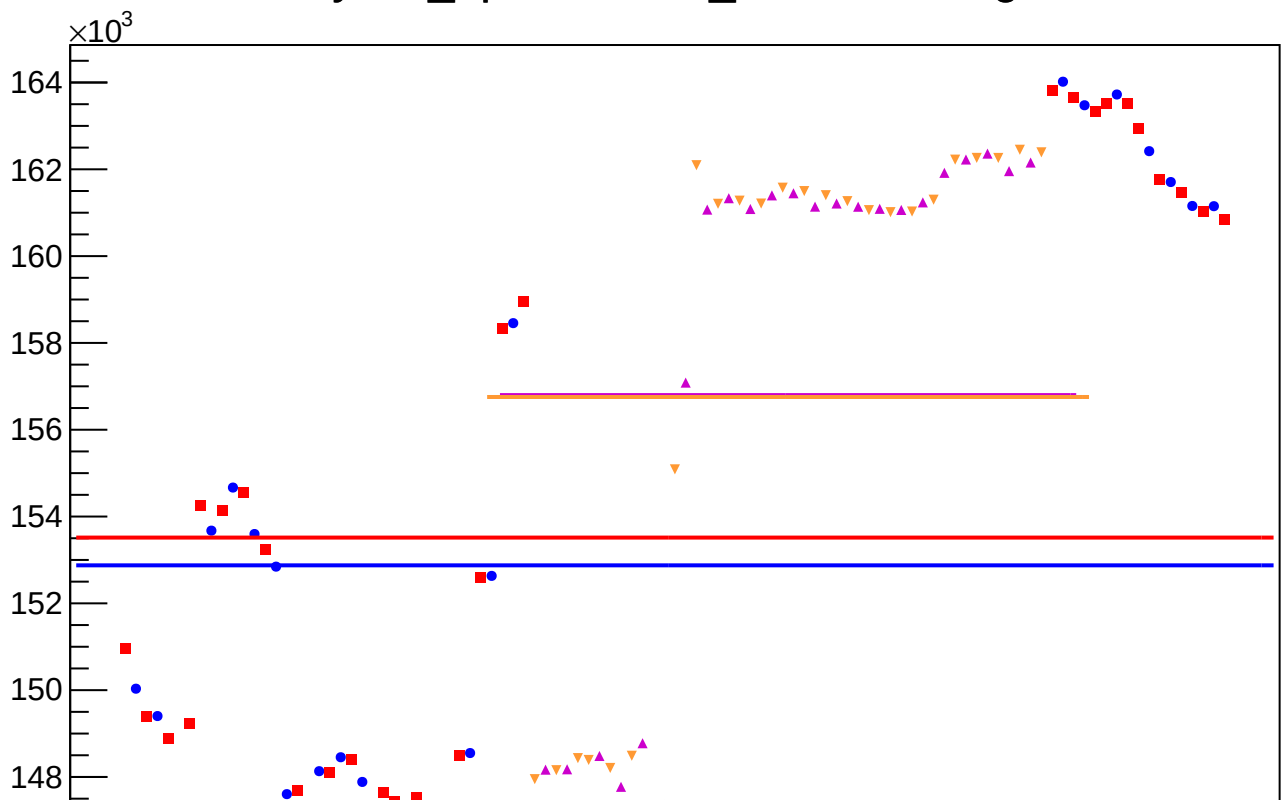
Right Out: 31.504+/-0.009 χ^2/NDF: 14104825.3/28

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 42.774+/-0.009 χ^2/NDF: 38773611.7/47

All: 42.274+/-0.006 χ^2/NDF: 77872855.6/99

- sign 41.816+/-0.009 χ^2/NDF: 39093258.9/51



Right In: 152875.656+/-0.057 χ^2/NDF: 9616646340.1/22

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153515.305+/-0.053 χ^2/NDF: 11282540063.7/28

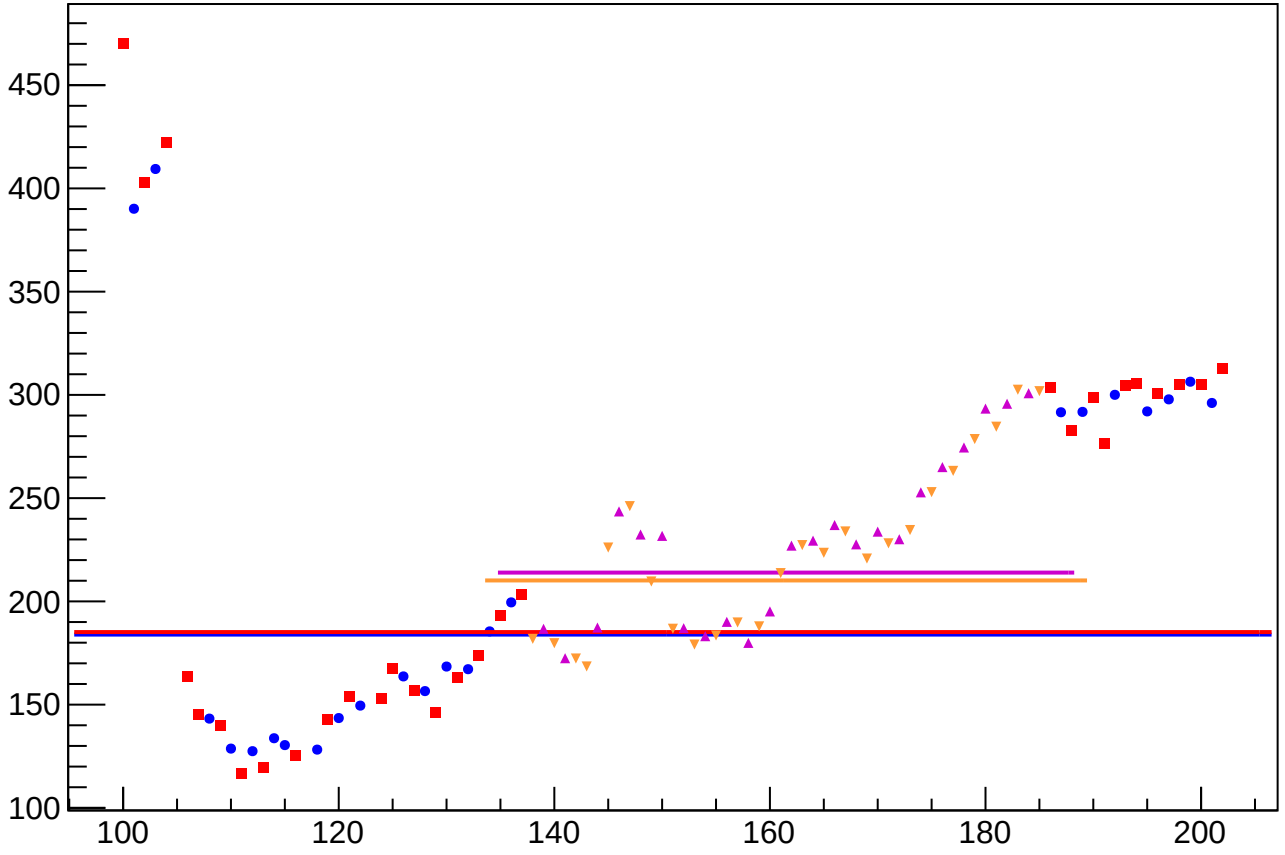
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155112.694+/-0.037 χ^2/NDF: 28688686949.

All: 155168.489+/-0.026 χ^2/NDF: 5631053

- sign 155223.734+/-0.037 χ^2/NDF: 27617311548.

yield_bpm0i01WS_rms vs Slug



Right In: 183.925+/-0.040 χ^2/NDF: 3014809.8/22

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

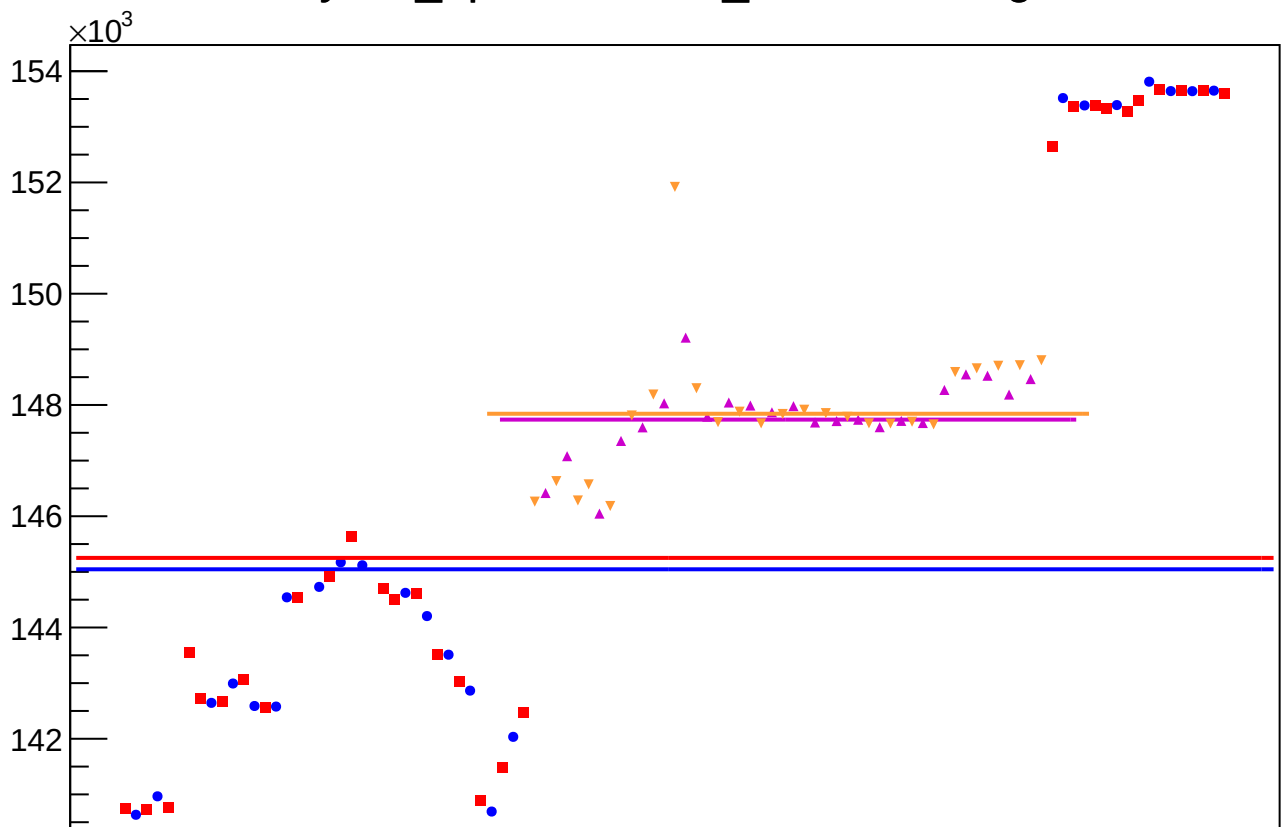
Right Out: 185.142+/-0.038 χ^2/NDF: 3923461.9/28

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 199.046+/-0.026 χ^2/NDF: 4258540.0/47

All: 199.592+/-0.018 χ^2/NDF: 9403839.2/99

- sign 200.132+/-0.026 χ^2/NDF: 5144430.2/51



Right In: 145046.273+/-0.048 χ^2/NDF: 6844708248.8/22

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145251.143+/-0.045 χ^2/NDF: 8708697845.2/28

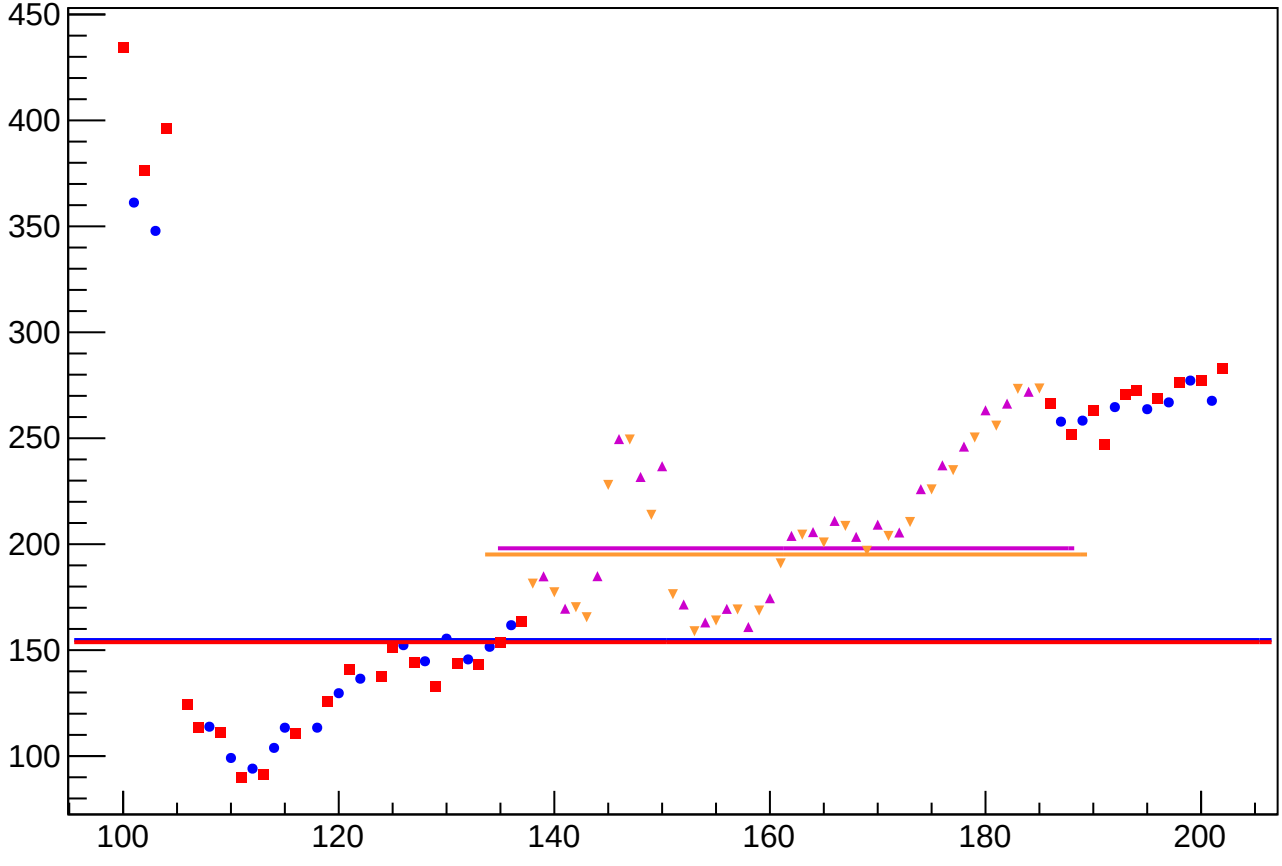
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146543.367+/-0.033 χ^2/NDF: 9340623116.2

All: 146483.289+/-0.023 χ^2/NDF: 19747013

- sign 146425.355+/-0.032 χ^2/NDF: 10399889795.2

yield_bpm0i01aWS_rms vs Slug



Right In: 154.766+/-0.034 χ^2/NDF: 3529451.7/22

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

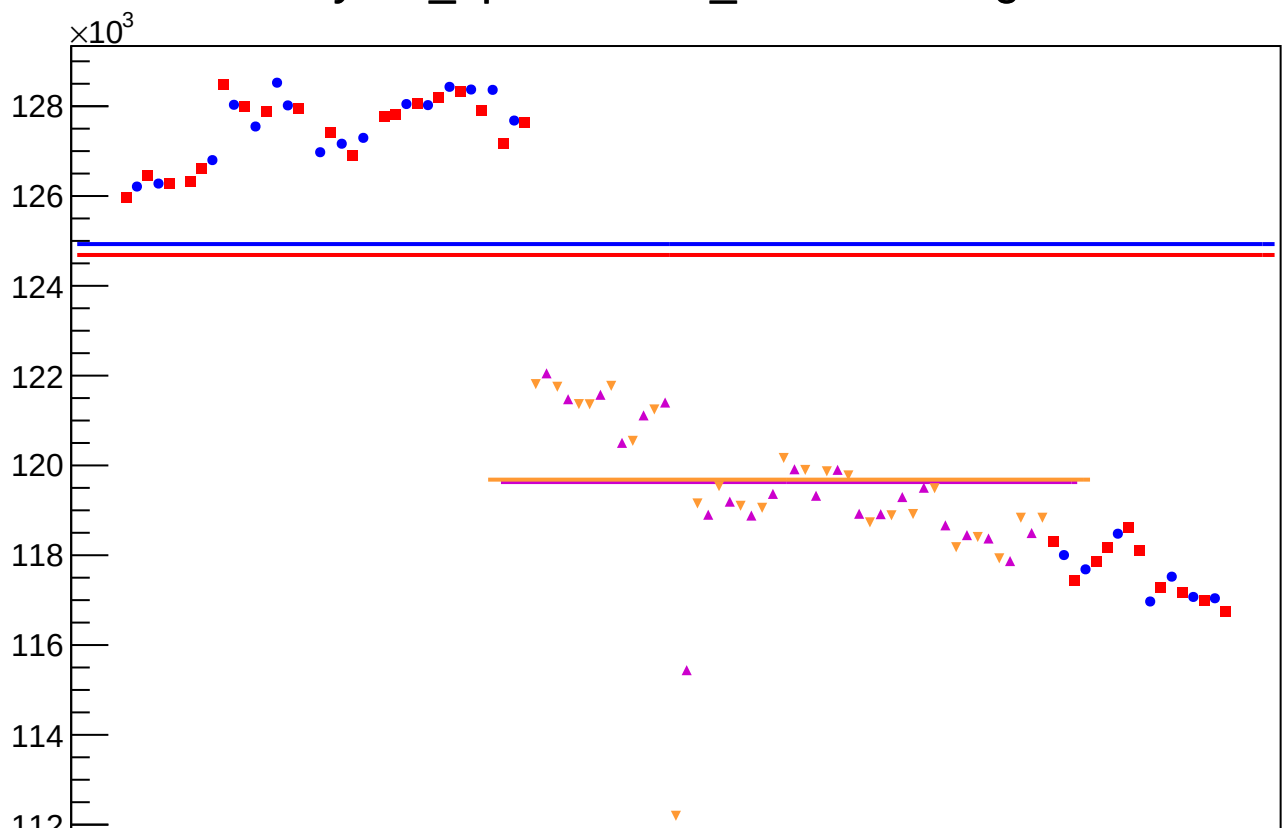
Right Out: 153.762+/-0.032 χ^2/NDF: 4750927.4/28

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 176.388+/-0.023 χ^2/NDF: 5177208.5/47

All: 175.522+/-0.016 χ^2/NDF: 11761114.9/99

- sign 174.688+/-0.023 χ^2/NDF: 6581208.2/51



Right In: 124929.511+/-0.050 χ^2/NDF: 8458275647.5/22

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 124686.892+/-0.046 χ^2/NDF: 10470416387.1/28

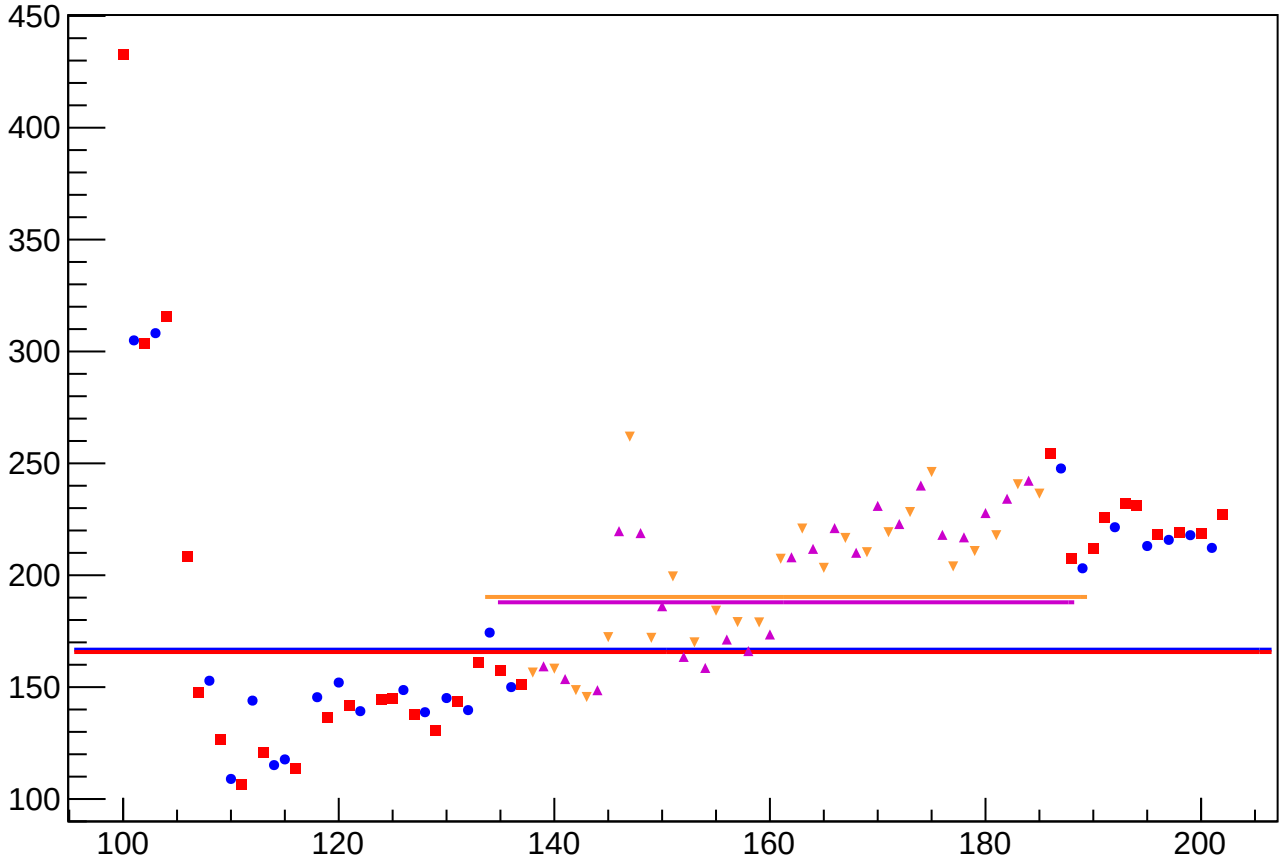
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 121995.459+/-0.033 χ^2/NDF: 16634350403.

All: 122050.581+/-0.023 χ^2/NDF: 34607273

- sign 122102.600+/-0.032 χ^2/NDF: 17967533769.

yield_bpm0l01WS_rms vs Slug



Right In: 166.742+/-0.035 χ^2/NDF: 1551400.2/22

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

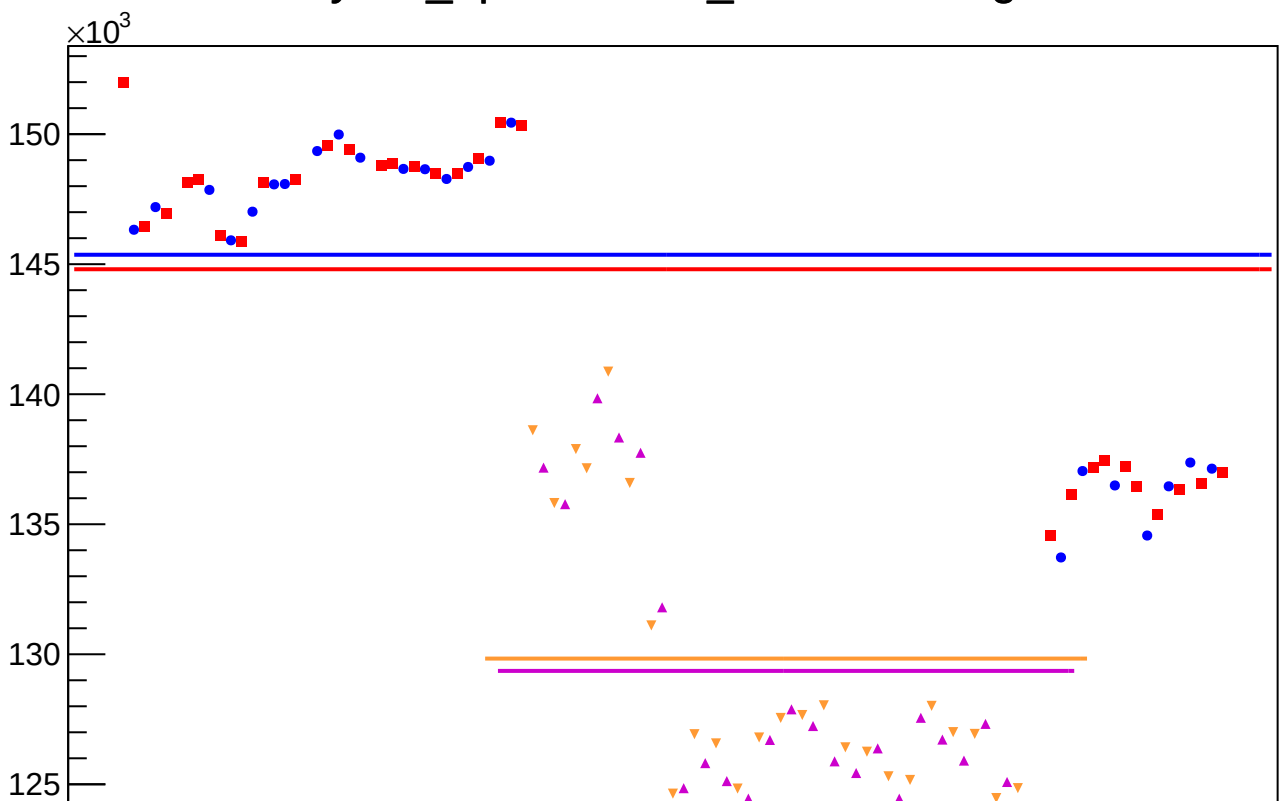
Right Out: 165.684+/-0.033 χ^2/NDF: 2324999.9/28

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 179.916+/-0.023 χ^2/NDF: 2725555.3/47

All: 178.437+/-0.016 χ^2/NDF: 6223045.4/99

- sign 177.041+/-0.023 χ^2/NDF: 3489727.7/51



Right In: 145362.805+/-0.070 χ^2/NDF: 5998579339.0/22

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 144805.405+/-0.064 χ^2/NDF: 7381644565.4/28

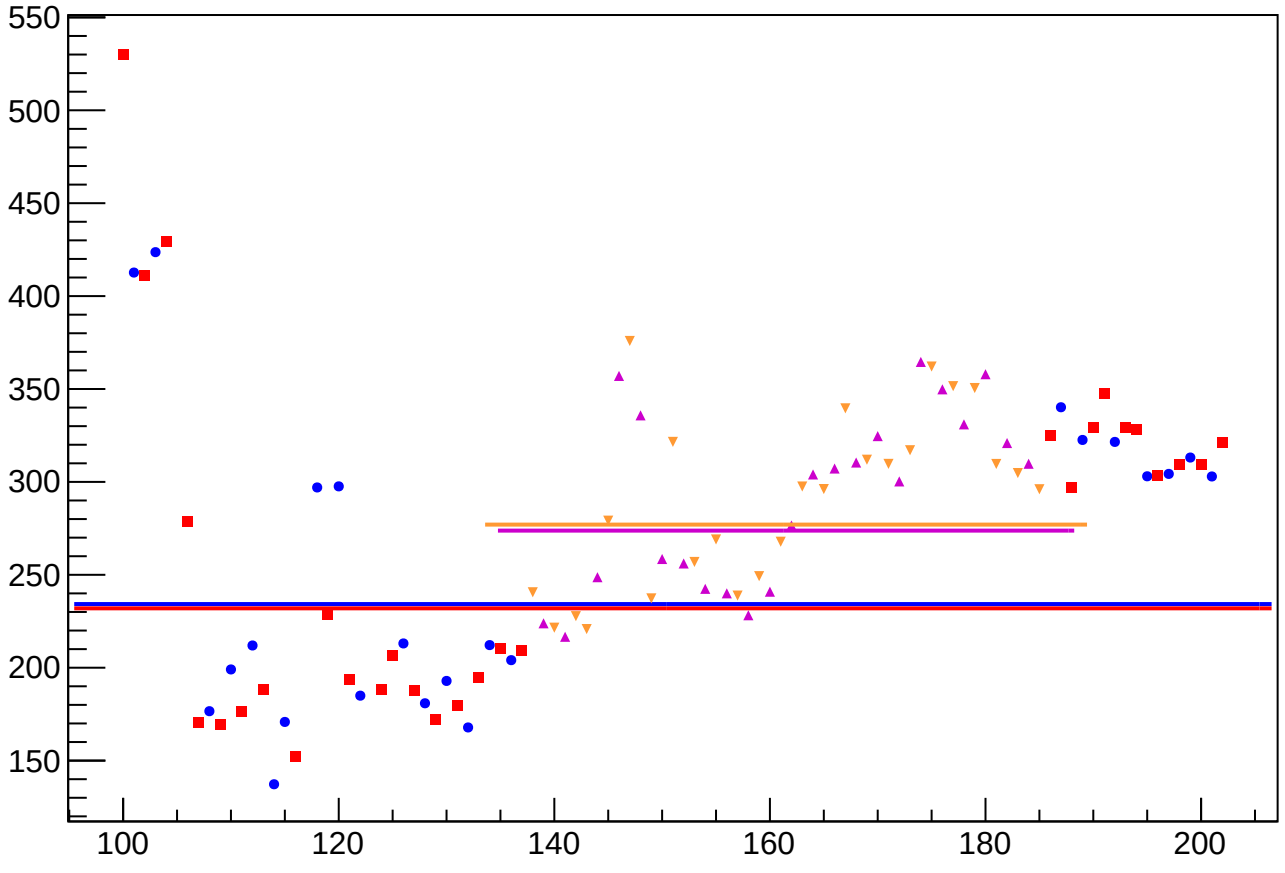
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136876.814+/-0.047 χ^2/NDF: 39325500285.

All: 137038.513+/-0.033 χ^2/NDF: 81667762

- sign 137189.707+/-0.046 χ^2/NDF: 42319798744.

yield_bpm0l02WS_rms vs Slug



Right In: 234.255+/-0.050 χ^2/NDF: 1823214.5/22

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

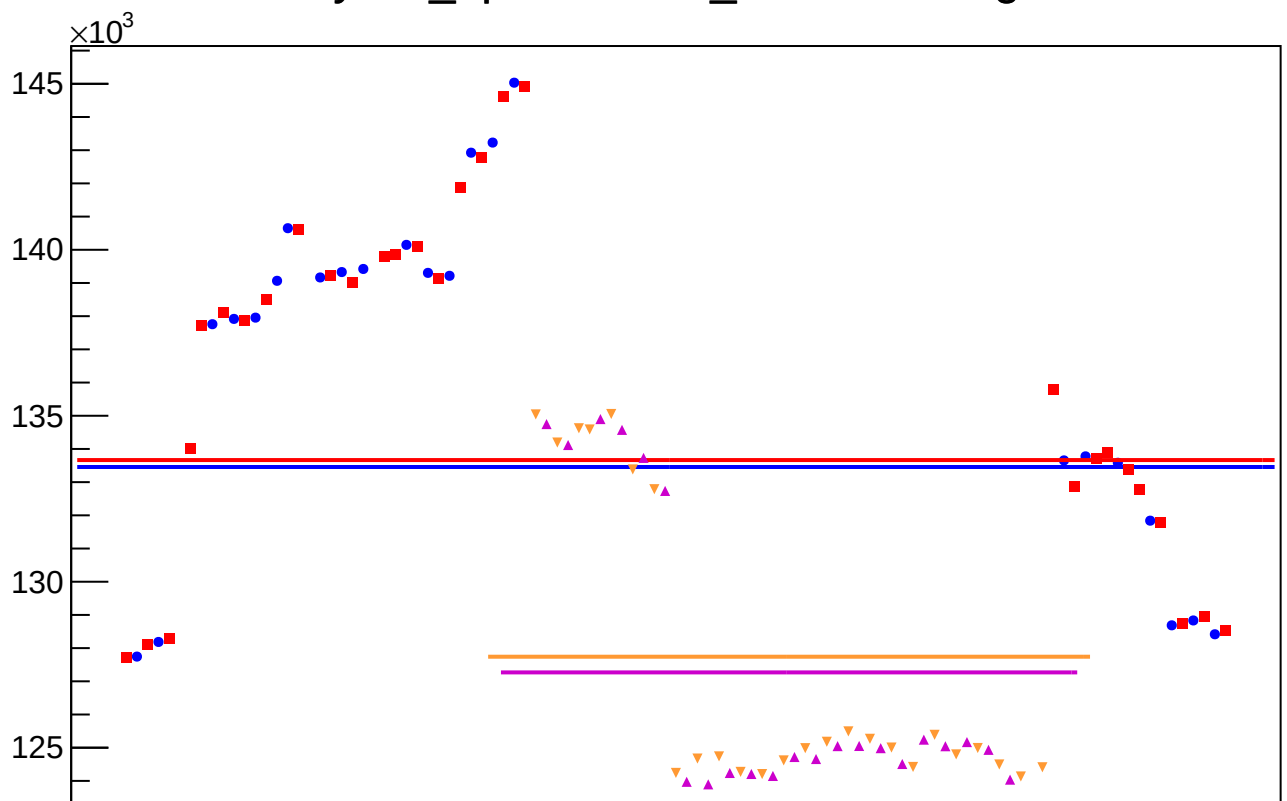
Right Out: 231.954+/-0.046 χ^2/NDF: 2306885.7/28

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 257.626+/-0.034 χ^2/NDF: 3172318.3/47

All: 255.018+/-0.023 χ^2/NDF: 6910143.6/99

- sign 252.580+/-0.032 χ^2/NDF: 3726142.8/51



Right In: 133456.259+/-0.117 χ^2/NDF: 2357465827.6/22

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133665.290+/-0.116 χ^2/NDF: 1599178255.6/28

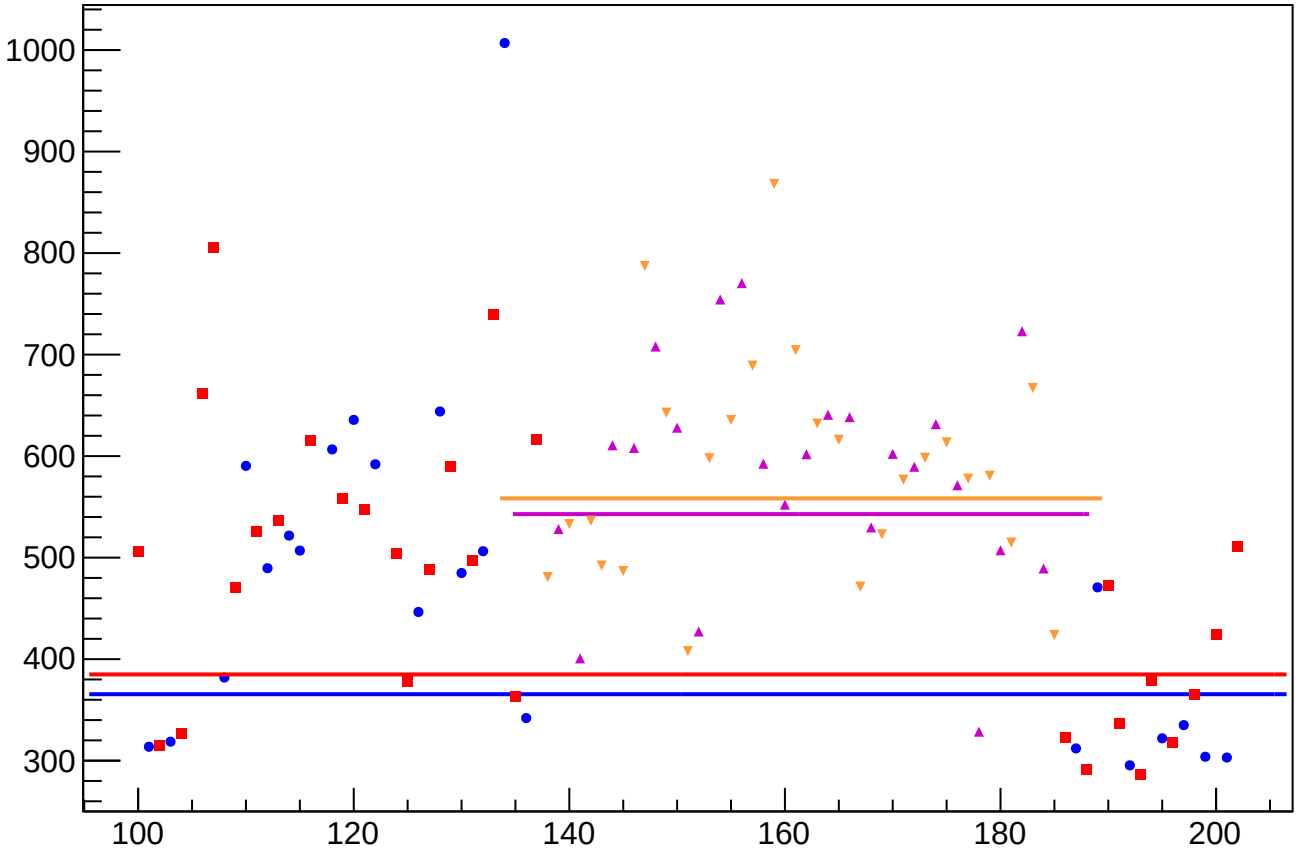
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131007.037+/-0.089 χ^2/NDF: 4465454748.4

All: 131021.477+/-0.063 χ^2/NDF: 82906047

- sign 131035.951+/-0.089 χ^2/NDF: 3825096988.3/

yield_bpm0l03WS_rms vs Slug



Right In: 365.460+/-0.083 χ^2/NDF: 1479614.7/22

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

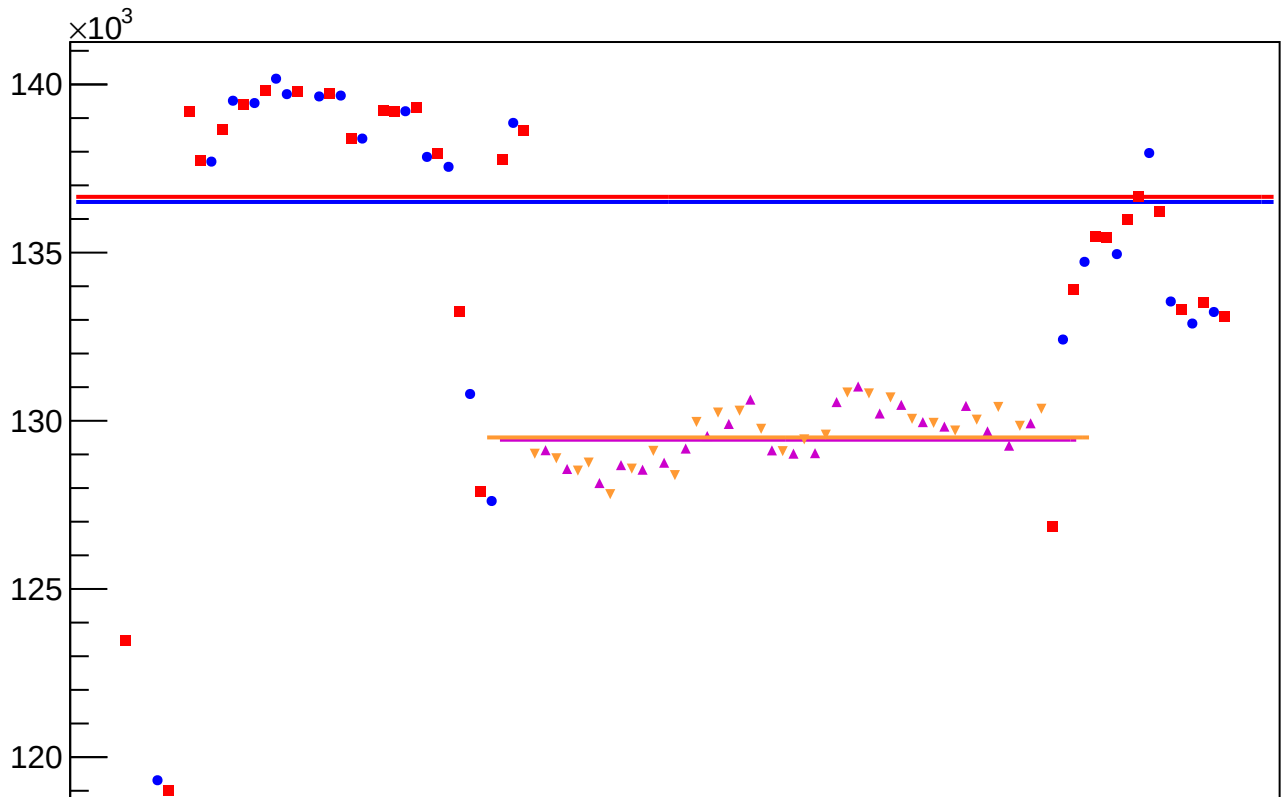
Right Out: 384.939+/-0.082 χ^2/NDF: 1598059.4/28

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

\+ sign 448.134+/-0.063 χ^2/NDF: 4761913.8/47

All: 448.994+/-0.044 χ^2/NDF: 9306487.4/99

\- sign 449.856+/-0.063 χ^2/NDF: 4544197.3/51



Right In: 136506.014+/-0.063 χ^2/NDF: 6171780358.5/22

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136658.425+/-0.058 χ^2/NDF: 6551498010.0/28

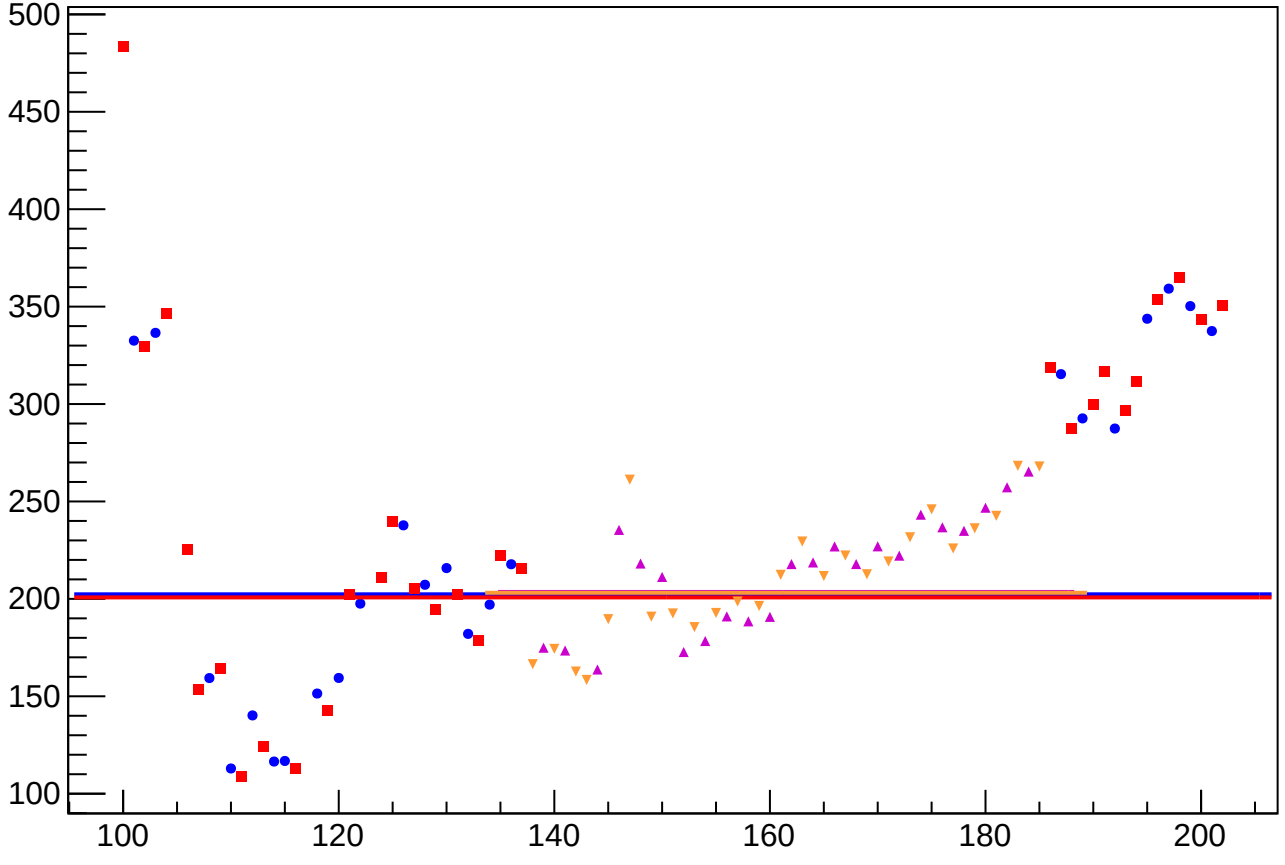
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132017.348+/-0.038 χ^2/NDF: 14434840732.

All: 132218.195+/-0.026 χ^2/NDF: 30473908

- sign 132413.748+/-0.037 χ^2/NDF: 15982846413.

yield_bpm0l04WS_rms vs Slug



Right In: 202.336+/-0.044 χ^2/NDF: 3022386.7/22

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

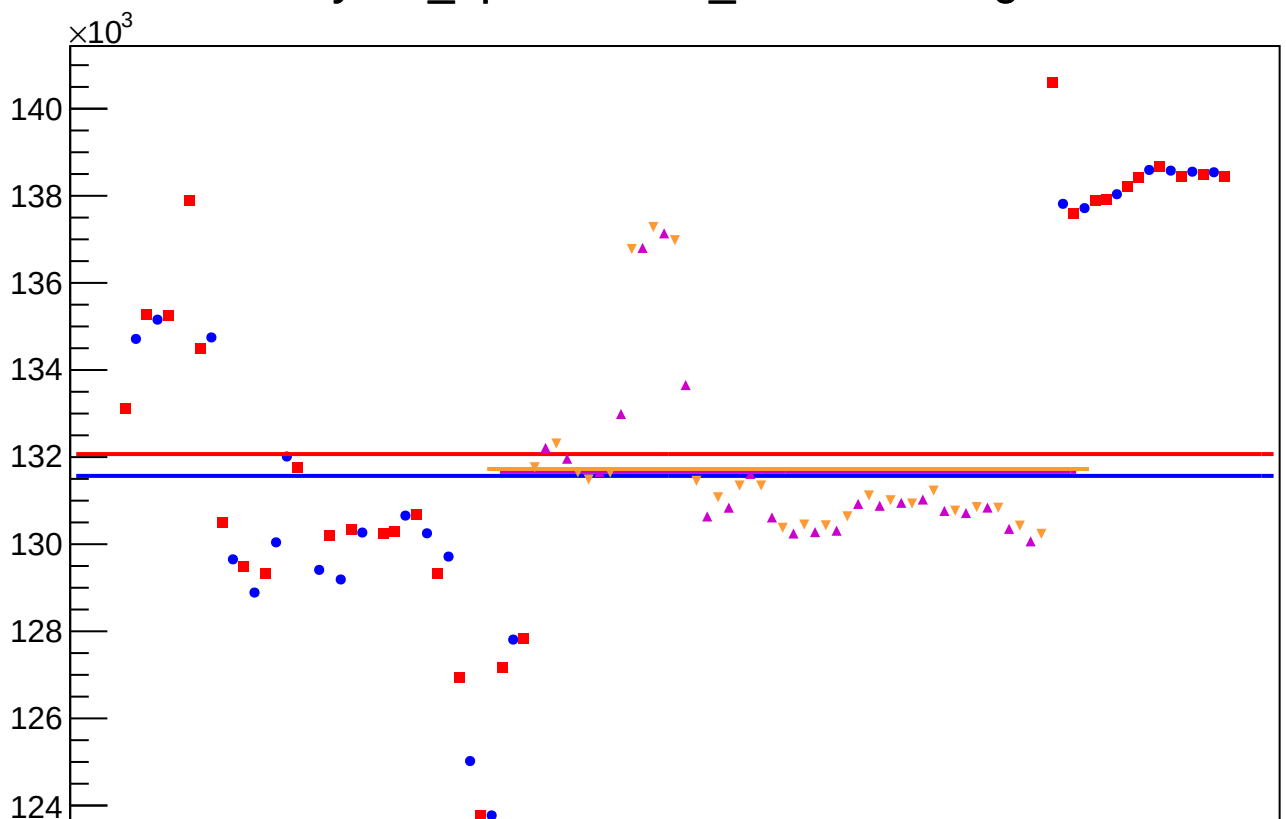
Right Out: 200.745+/-0.041 χ^2/NDF: 4074567.6/28

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 202.845+/-0.027 χ^2/NDF: 3781039.3/47

All: 202.615+/-0.019 χ^2/NDF: 8524554.8/99

- sign 202.392+/-0.026 χ^2/NDF: 4743368.9/51



Right In: 131568.733+/-0.057 χ^2/NDF: 6329456474.3/22

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132069.582+/-0.052 χ^2/NDF: 7220355002.8/28

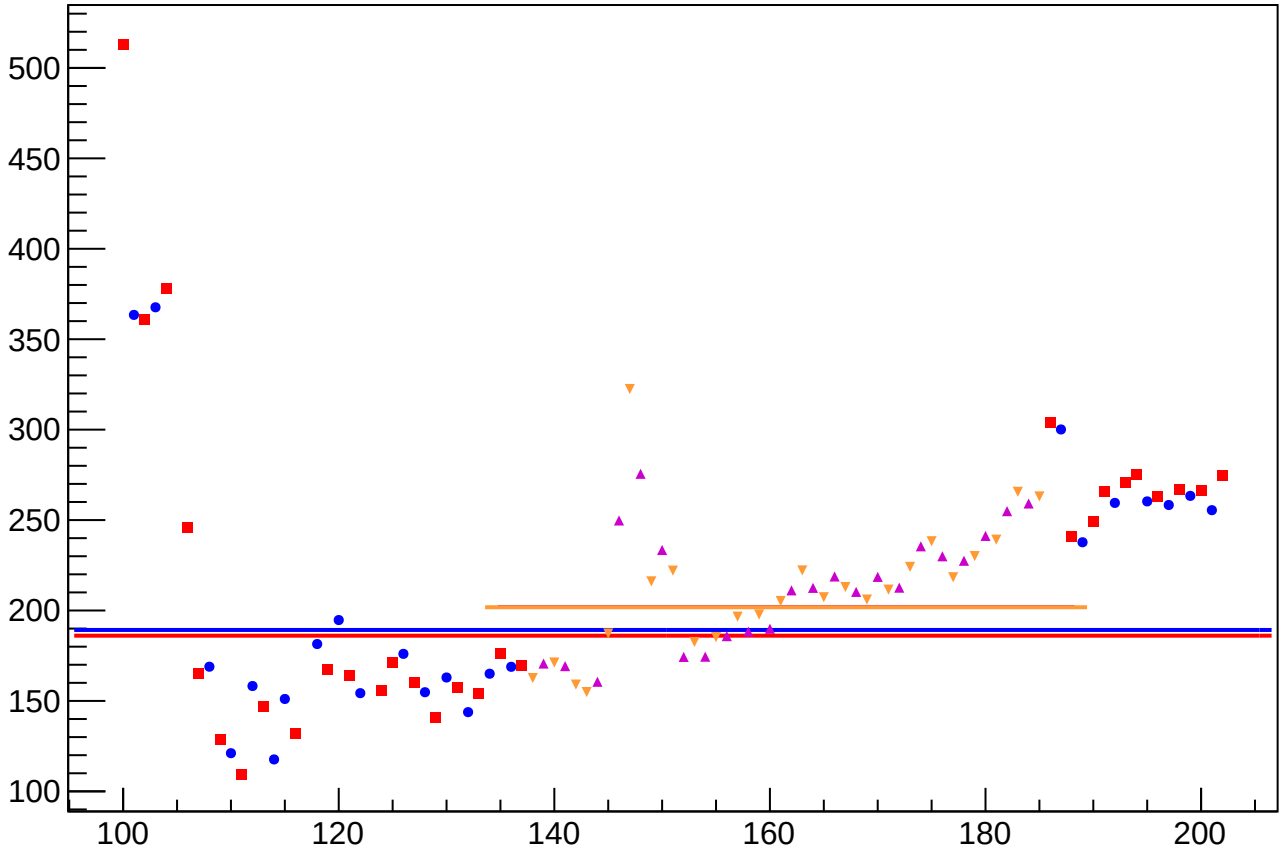
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131663.661+/-0.036 χ^2/NDF: 7759078948.2

All: 131757.692+/-0.025 χ^2/NDF: 16189961

- sign 131847.679+/-0.035 χ^2/NDF: 8417729139.2/

yield_bpm0l05WS_rms vs Slug



Right In: 189.239+/-0.041 χ^2/NDF: 1912032.9/22

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 186.079+/-0.037 χ^2/NDF: 2921533.7/28

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 196.768+/-0.026 χ^2/NDF: 2874959.2/47

All: 195.704+/-0.018 χ^2/NDF: 6701837.7/99

- sign 194.686+/-0.025 χ^2/NDF: 3823512.5/51

Right In: 4597.376+/-0.008 χ^2/NDF: 4948997505202.5/22

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 4838.885+/-0.007 χ^2/NDF: 5853820356826.9/28

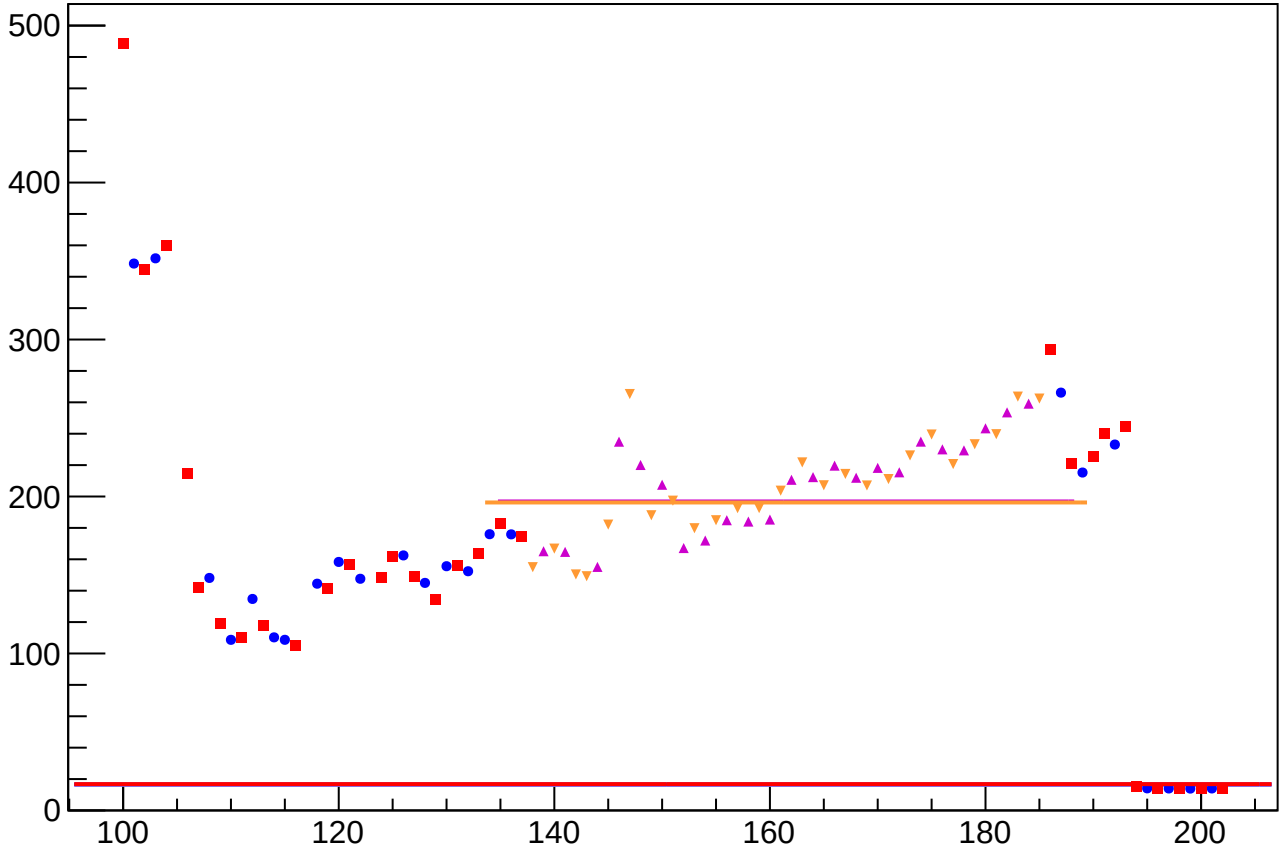
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 7903.118+/-0.007 χ^2/NDF: 12235081279680

All: 7784.530+/-0.005 χ^2/NDF: 2491522698

- sign 7675.927+/-0.007 χ^2/NDF: 12679655579814

yield_bpm0l06WS_rms vs Slug



Right In: 16.530+/-0.005 χ^2/NDF: 14316667.5/22

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

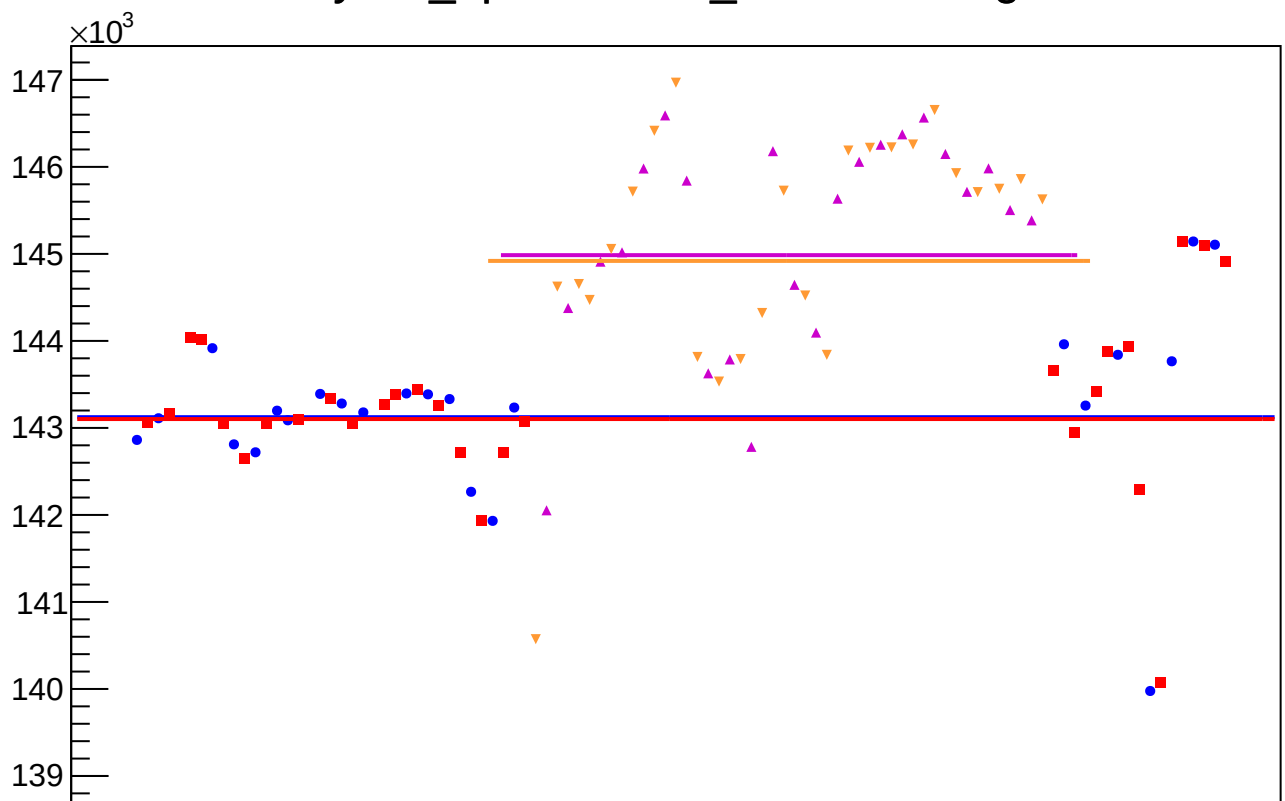
Right Out: 16.772+/-0.005 χ^2/NDF: 16391114.5/28

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 21.303+/-0.005 χ^2/NDF: 45609605.6/47

All: 21.089+/-0.004 χ^2/NDF: 91587858.1/99

- sign 20.894+/-0.005 χ^2/NDF: 45975084.9/51



Right In: 143123.427+/-0.059 χ^2/NDF: 193805875.1/22

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143102.065+/-0.054 χ^2/NDF: 196858862.3/28

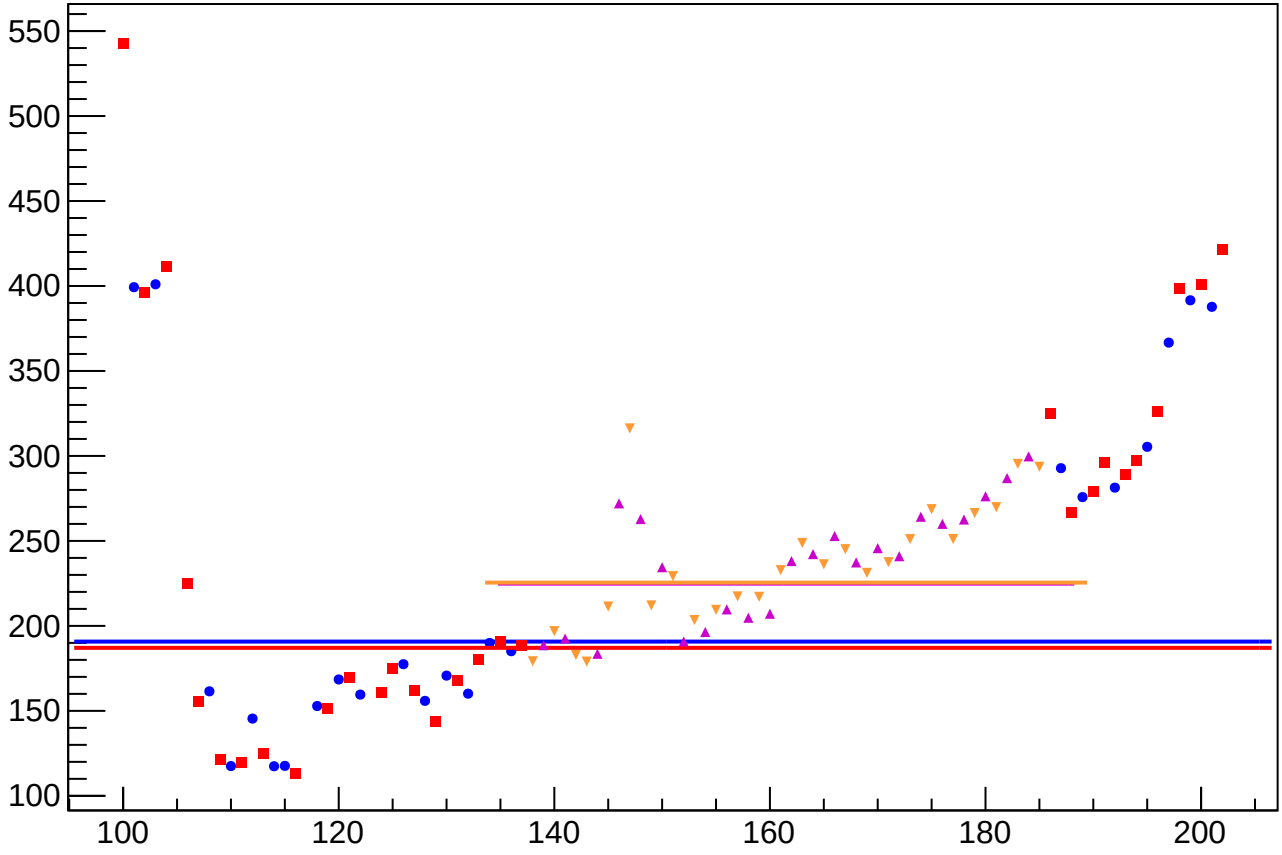
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144135.499+/-0.039 χ^2/NDF: 1545433916.7

All: 144095.341+/-0.027 χ^2/NDF: 29722714

- sign 144057.313+/-0.038 χ^2/NDF: 1424795060.4/

yield_bpm0l07WS_rms vs Slug



Right In: 190.764+/-0.042 χ^2/NDF: 3317017.4/22

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 187.086+/-0.038 χ^2/NDF: 4643345.3/28

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 210.325+/-0.028 χ^2/NDF: 4478028.1/47

All: 208.231+/-0.019 χ^2/NDF: 10346519.9/99

- sign 206.248+/-0.027 χ^2/NDF: 5857381.7/51

Right In: -593.381+/-0.004 χ^2/NDF: 5361101129199.1/22

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -572.169+/-0.004 χ^2/NDF: 6450025713241.9/28

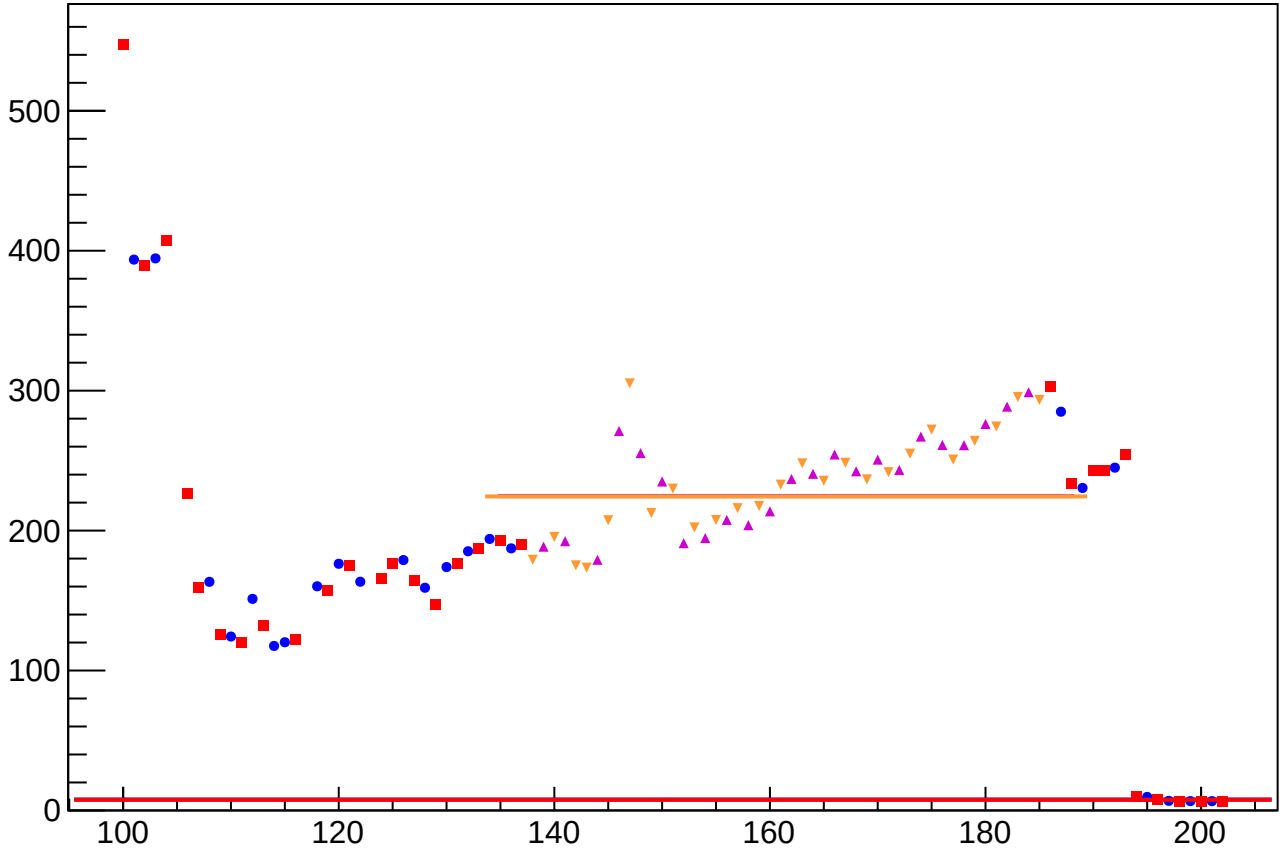
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 230.626+/-0.004 χ^2/NDF: 13266240022093.

All: 158.928+/-0.003 χ^2/NDF: 27177657912

- sign 97.158+/-0.004 χ^2/NDF: 13910788343694.5/

yield_bpm0l08WS_rms vs Slug



Right In: 7.798+/-0.003 χ^2/NDF: 16029924.0/22

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

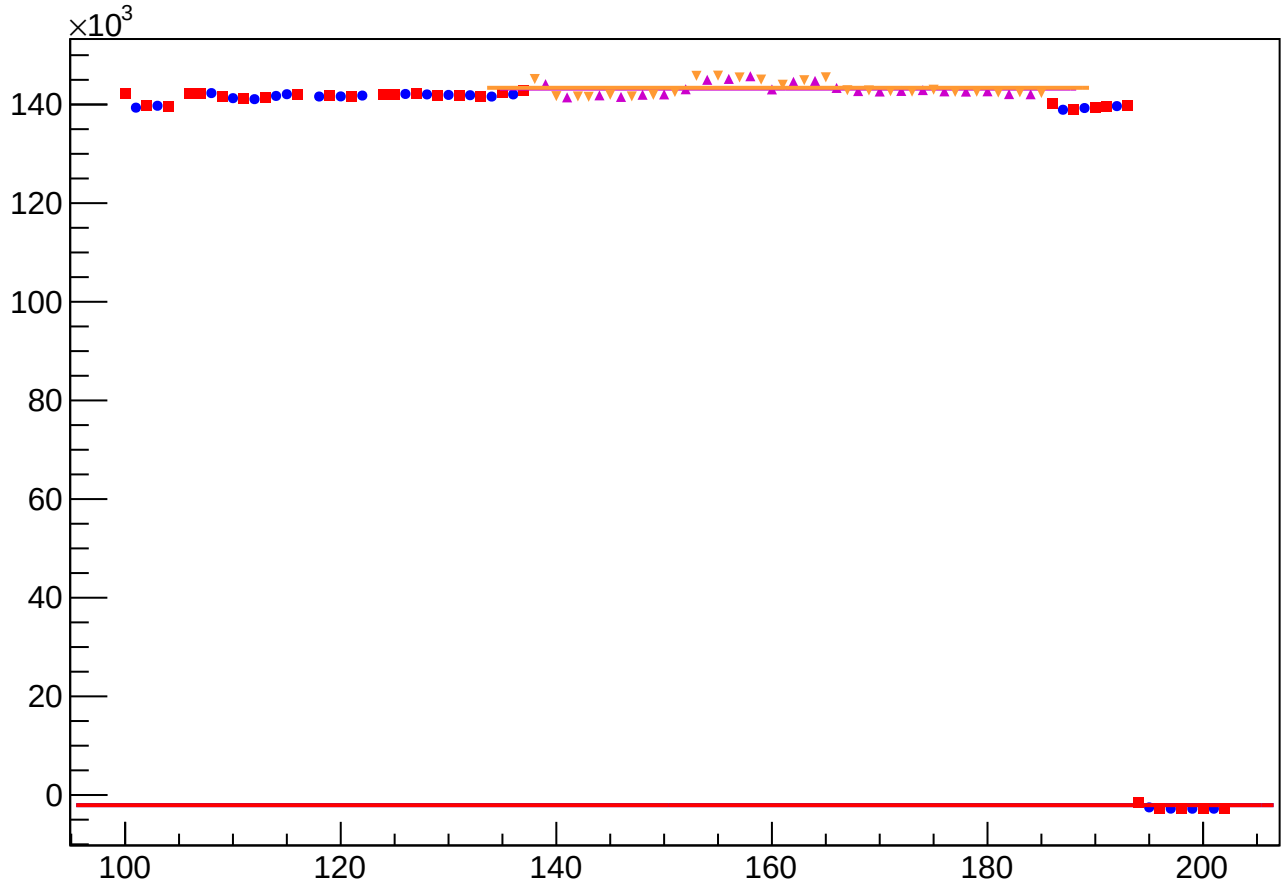
Right Out: 7.646+/-0.003 χ^2/NDF: 18367984.3/28

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 9.015+/-0.003 χ^2/NDF: 51375389.3/47

All: 8.811+/-0.002 χ^2/NDF: 103191070.9/99

- sign 8.636+/-0.003 χ^2/NDF: 51805537.1/51



Right In: -2056.411+/-0.004 χ^2/NDF: 4947910666779.3/22

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2061.321+/-0.004 χ^2/NDF: 5817830020312.9/28

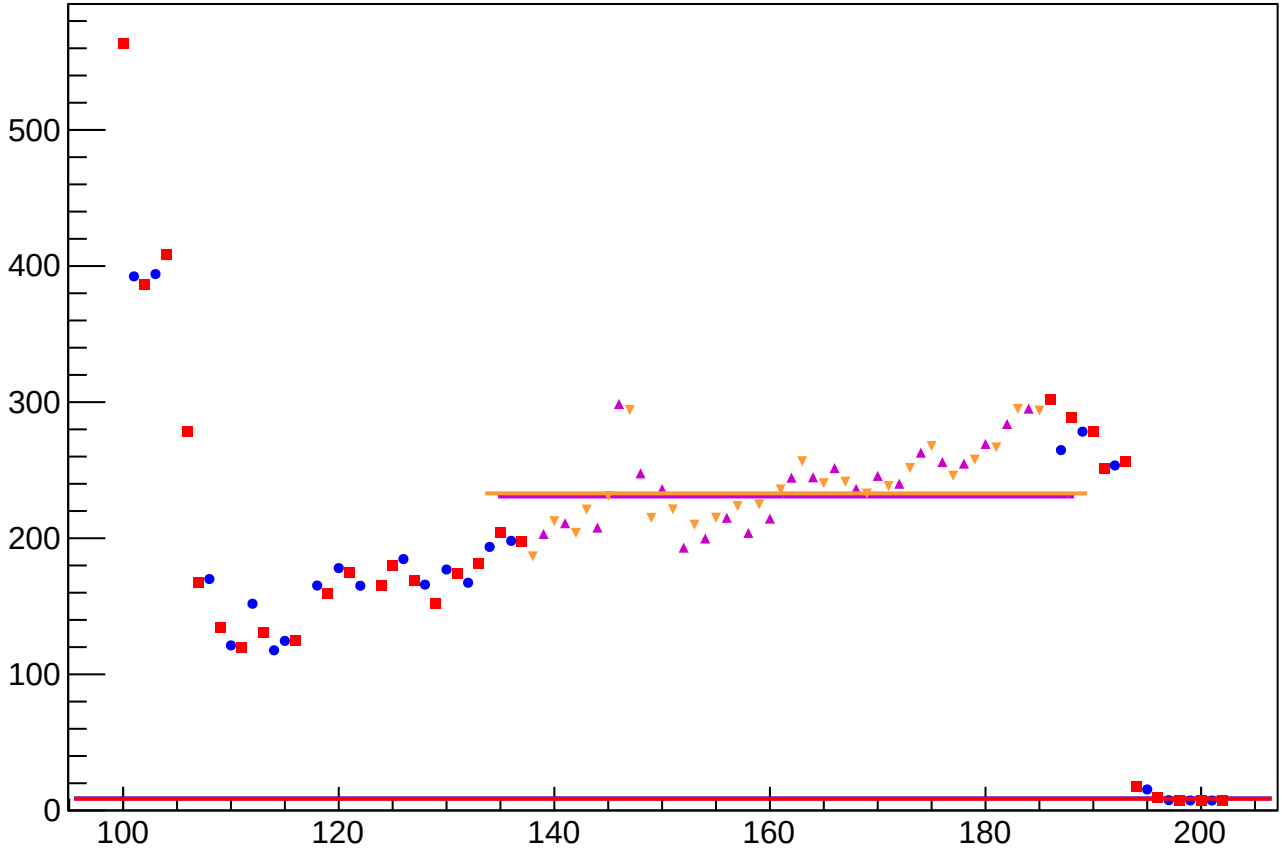
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -1045.579+/-0.004 χ^2/NDF: 1223771440086

All: -1155.328+/-0.003 χ^2/NDF: 2503886315

- sign -1247.590+/-0.004 χ^2/NDF: 1280004187695

yield_bpm0l09WS_rms vs Slug



Right In: 8.832+/-0.003 χ^2/NDF: 16158844.2/22

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

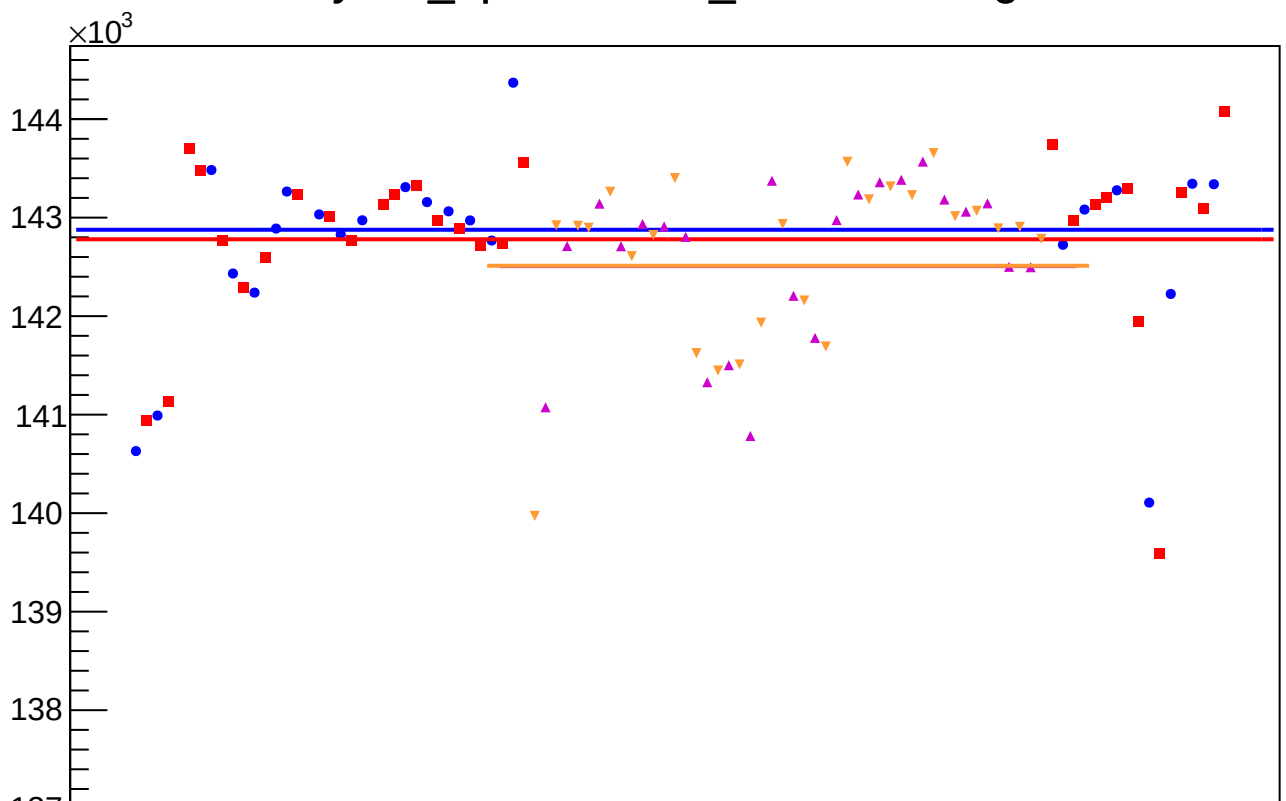
Right Out: 8.597+/-0.003 χ^2/NDF: 18390532.4/28

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 10.390+/-0.003 χ^2/NDF: 51237487.9/47

All: 10.092+/-0.002 χ^2/NDF: 102787991.9/99

- sign 9.841+/-0.003 χ^2/NDF: 51534155.4/51



Right In: 142876.735+/-0.062 χ^2/NDF: 200519481.8/22

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142779.989+/-0.056 χ^2/NDF: 167880141.0/28

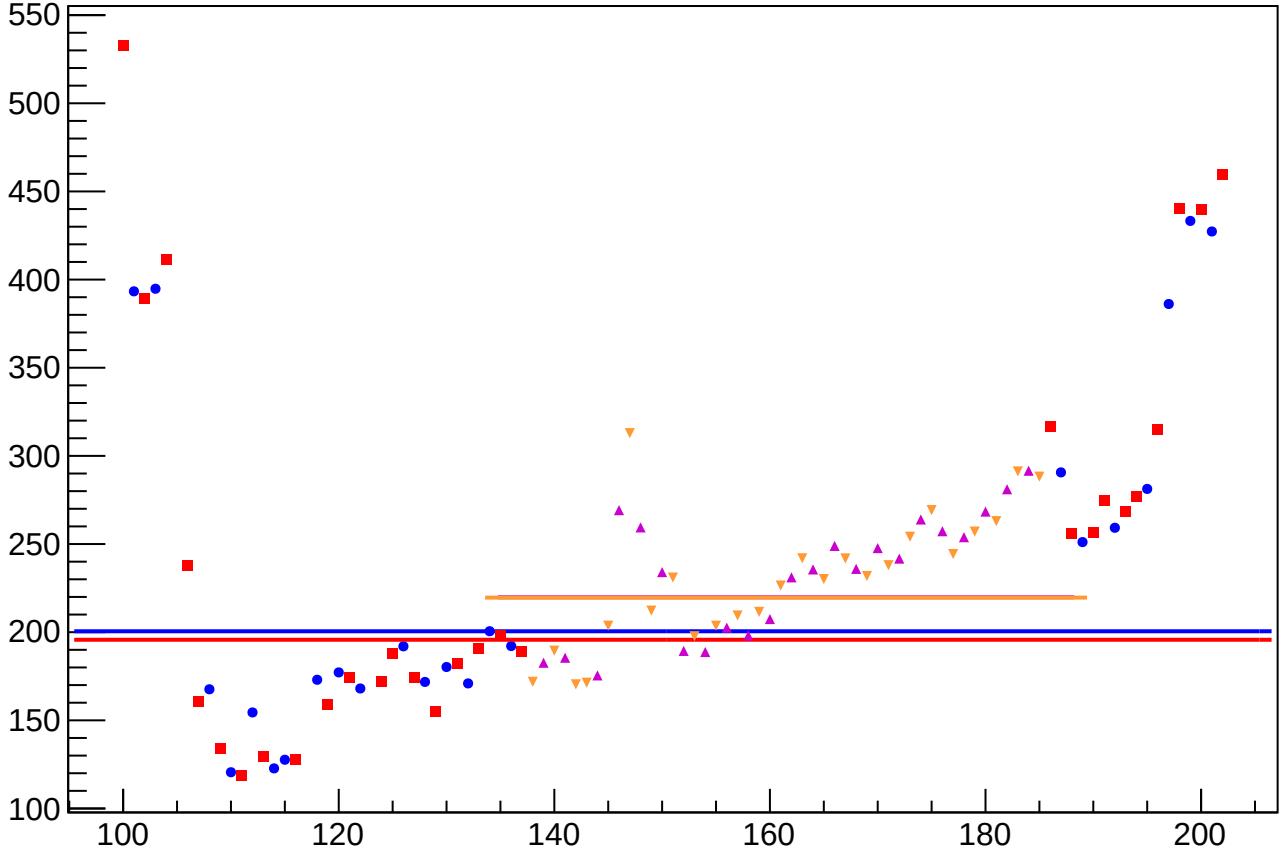
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142658.355+/-0.039 χ^2/NDF: 559332944.6/4

All: 142645.724+/-0.027 χ^2/NDF: 10092005

- sign 142633.696+/-0.038 χ^2/NDF: 449666432.1/5

yield_bpm0l10WS_rms vs Slug



Right In: 200.527+/-0.044 χ^2/NDF: 2995245.4/22

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

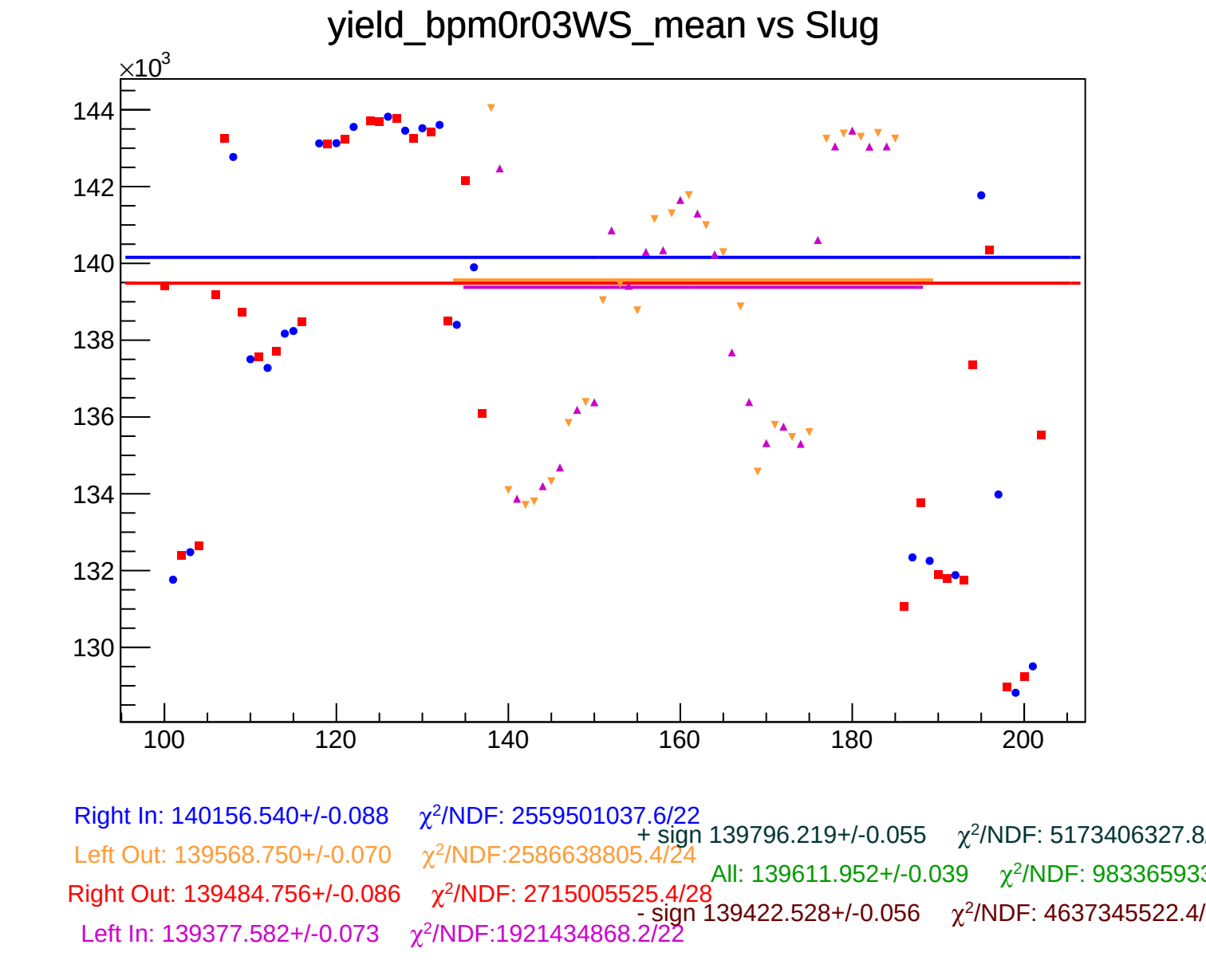
Right Out: 195.704+/-0.040 χ^2/NDF: 4226385.5/28

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

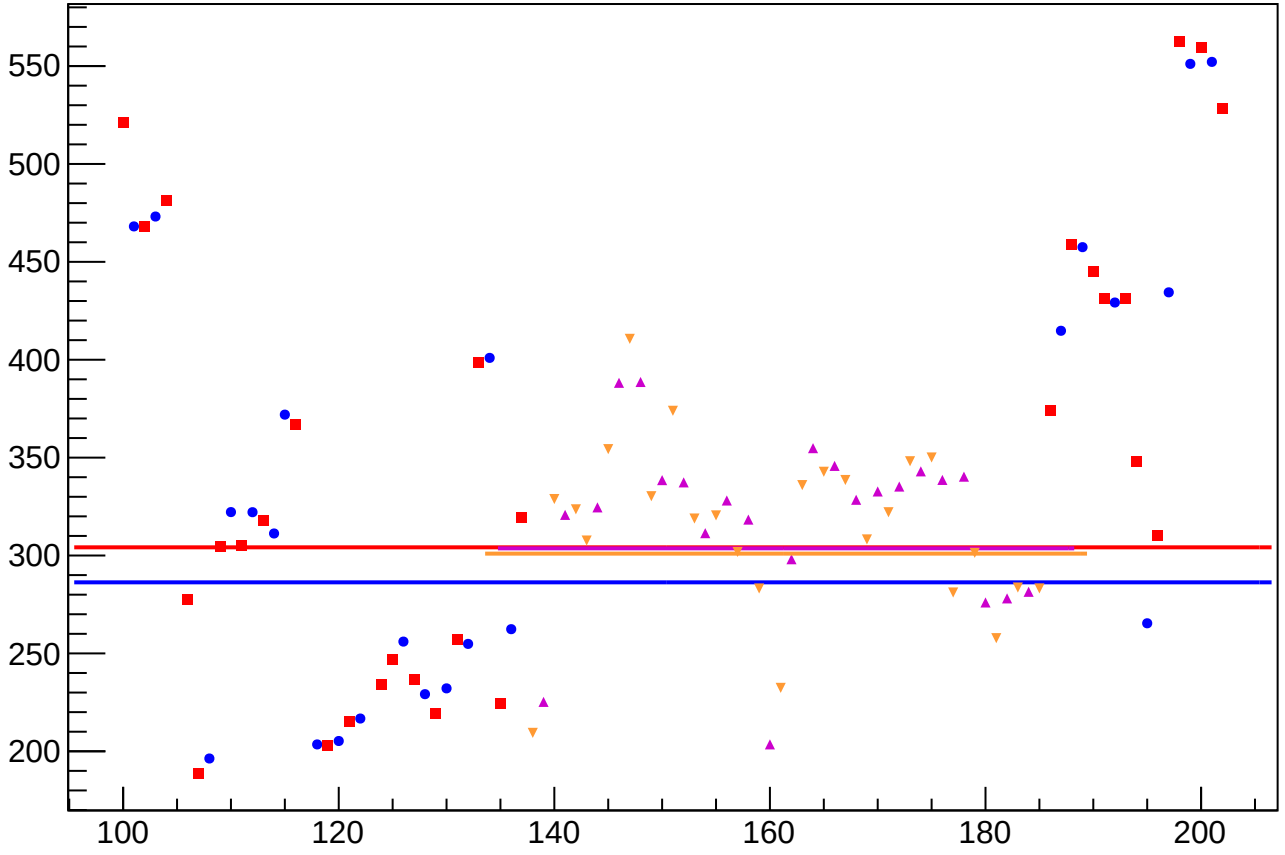
+ sign 211.938+/-0.028 χ^2/NDF: 4010452.4/47

All: 210.254+/-0.019 χ^2/NDF: 9245518.3/99

- sign 208.650+/-0.027 χ^2/NDF: 5227915.2/51


yield_bpm0r03WS_mean vs Slug
×10^3
144
142
140
138
136
134
132
130
100
120
140
160
180
200
Right In: 140156.540+/-0.088 χ²/NDF: 2559501037.6/22
Left Out: 139568.750+/-0.070 χ²/NDF:2586638805.4/24
Right Out: 139484.756+/-0.086 χ²/NDF: 2715005525.4/28
Left In: 139377.582+/-0.073 χ²/NDF:1921434868.2/22
+ sign 139796.219+/-0.055 χ²/NDF: 5173406327.8
All: 139611.952+/-0.039 χ²/NDF: 98336593
- sign 139422.528+/-0.056 χ²/NDF: 4637345522.4/

yield_bpm0r03WS_rms vs Slug



Right In: 286.299+/-0.062 χ^2/NDF: 2490119.6/22

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

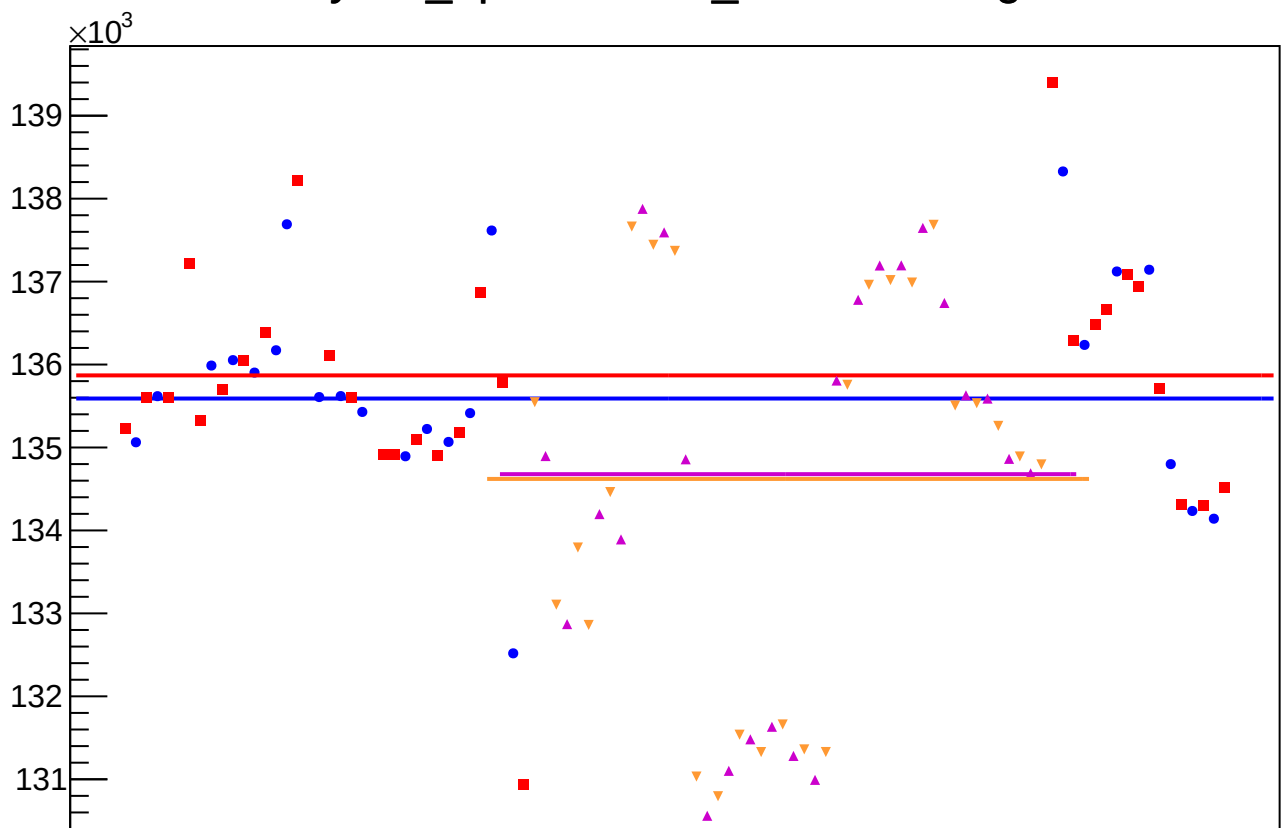
Right Out: 304.182+/-0.061 χ^2/NDF: 2919848.8/28

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 295.289+/-0.039 χ^2/NDF: 3400956.5/47

All: 299.524+/-0.028 χ^2/NDF: 7321305.0/99

- sign 303.878+/-0.039 χ^2/NDF: 3896144.9/51



Right In: 135590.311+/-0.085 χ^2/NDF: 217209670.2/22

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135869.199+/-0.075 χ^2/NDF: 250759448.1/28

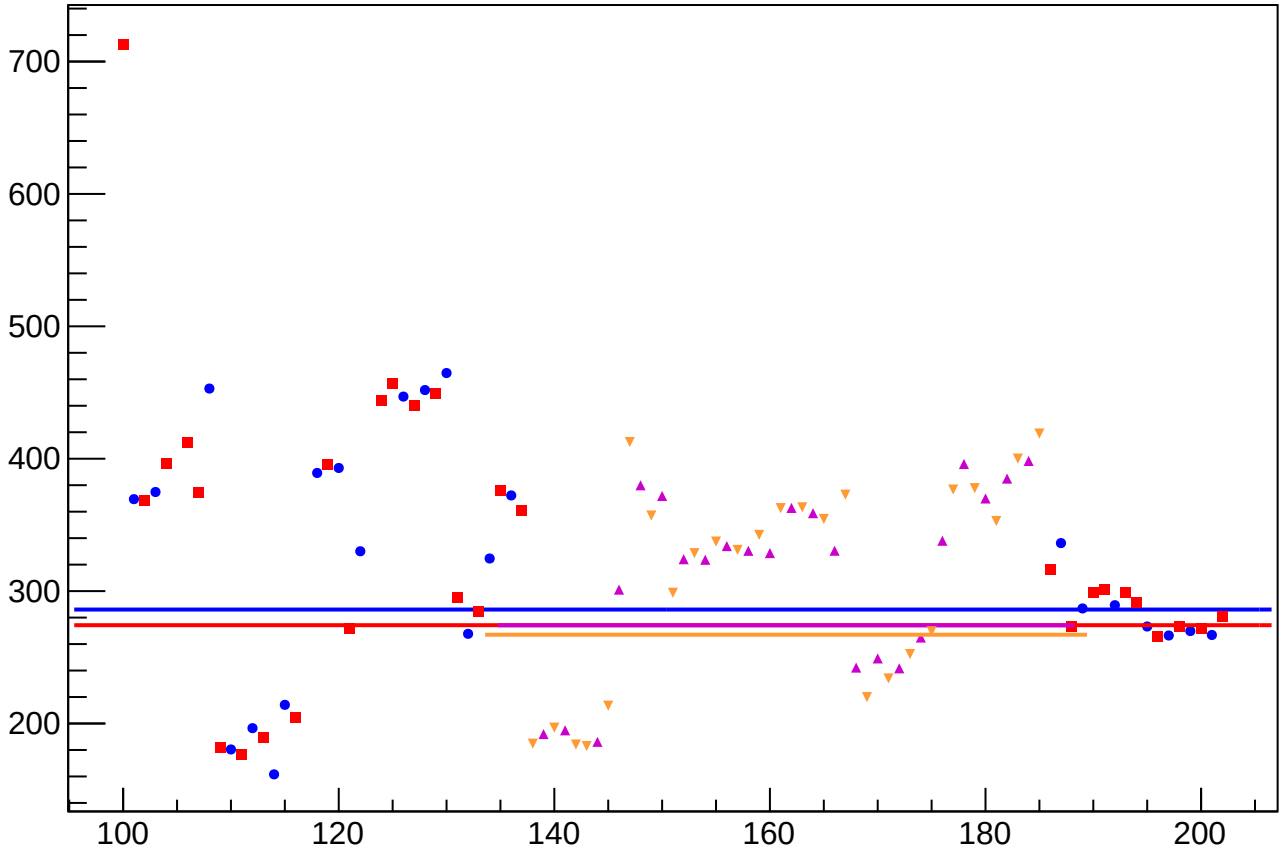
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134968.872+/-0.051 χ^2/NDF: 1501713682.5/

All: 135088.670+/-0.036 χ^2/NDF: 29993189

- sign 135203.723+/-0.050 χ^2/NDF: 1486802093.5/

yield_bpm0r05WS_rms vs Slug



Right In: 286.077+/-0.060 χ^2/NDF: 1491080.6/22

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

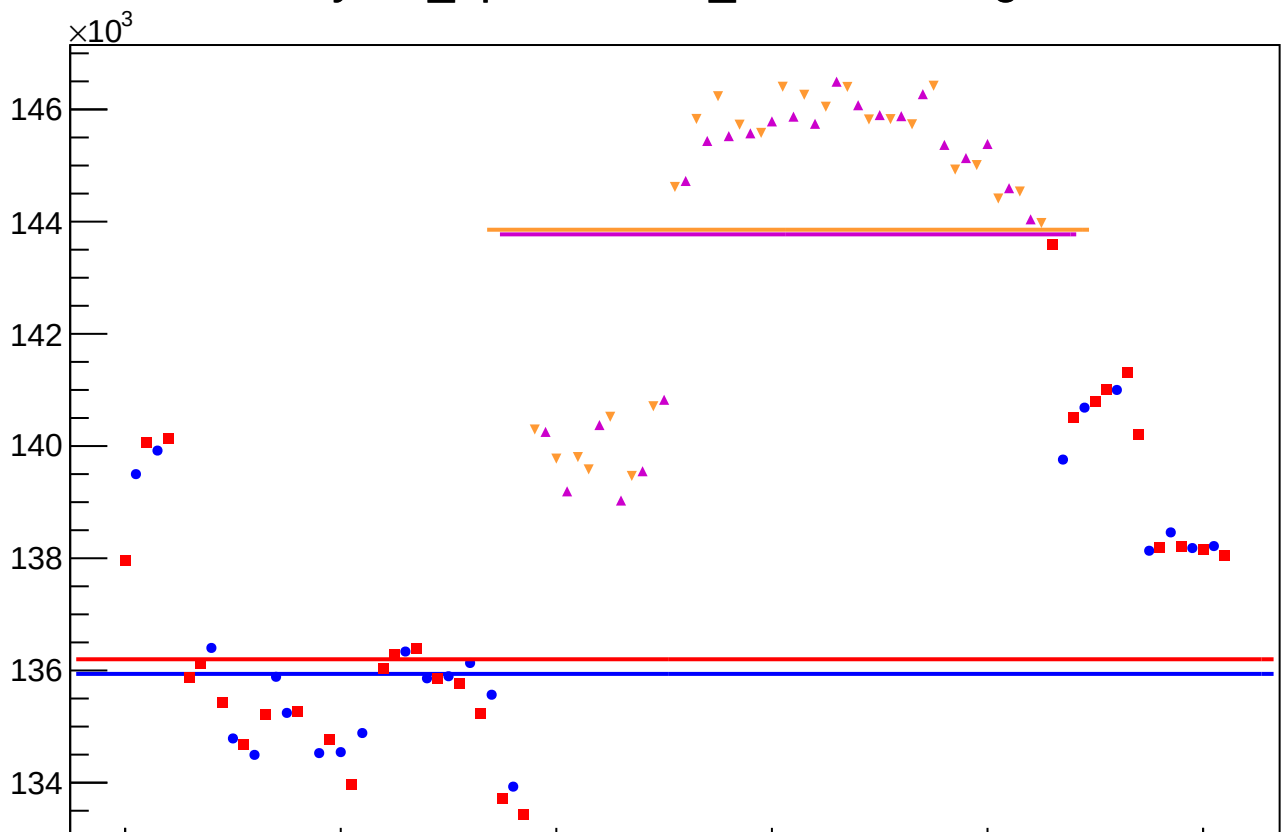
Right Out: 274.255+/-0.053 χ^2/NDF: 1729836.1/28

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 273.881+/-0.036 χ^2/NDF: 4398336.3/47

All: 274.049+/-0.025 χ^2/NDF: 8364971.6/99

- sign 274.211+/-0.035 χ^2/NDF: 3966592.5/51



Right In: 135938.900+/-0.050 χ^2/NDF: 1378645519.6/22

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136199.646+/-0.046 χ^2/NDF: 2101764599.8/28

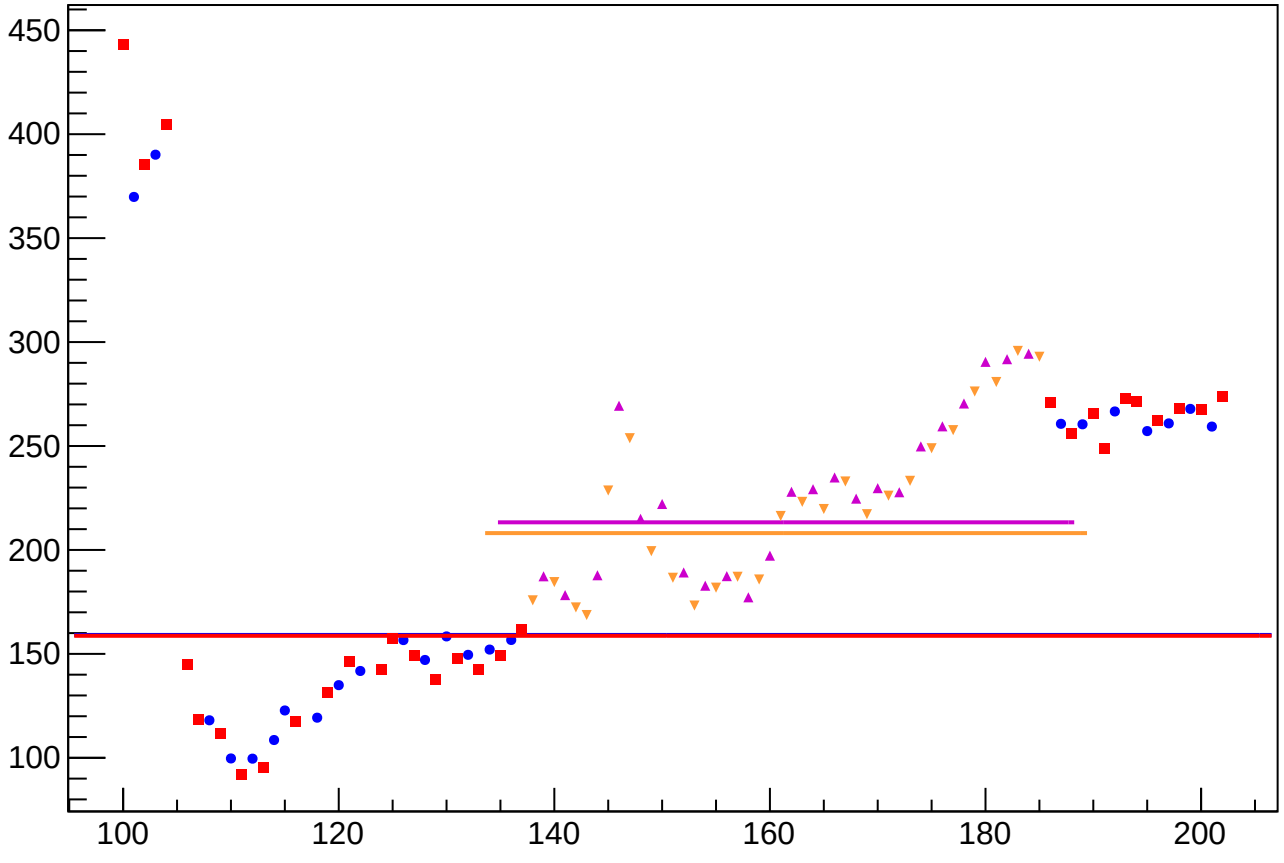
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139992.713+/-0.035 χ^2/NDF: 17600519207.

All: 139796.102+/-0.024 χ^2/NDF: 34745290

- sign 139604.506+/-0.034 χ^2/NDF: 17080965458.4

yield_bpm0i02WS_rms vs Slug



Right In: 159.109+/-0.035 χ^2/NDF: 3305043.8/22

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

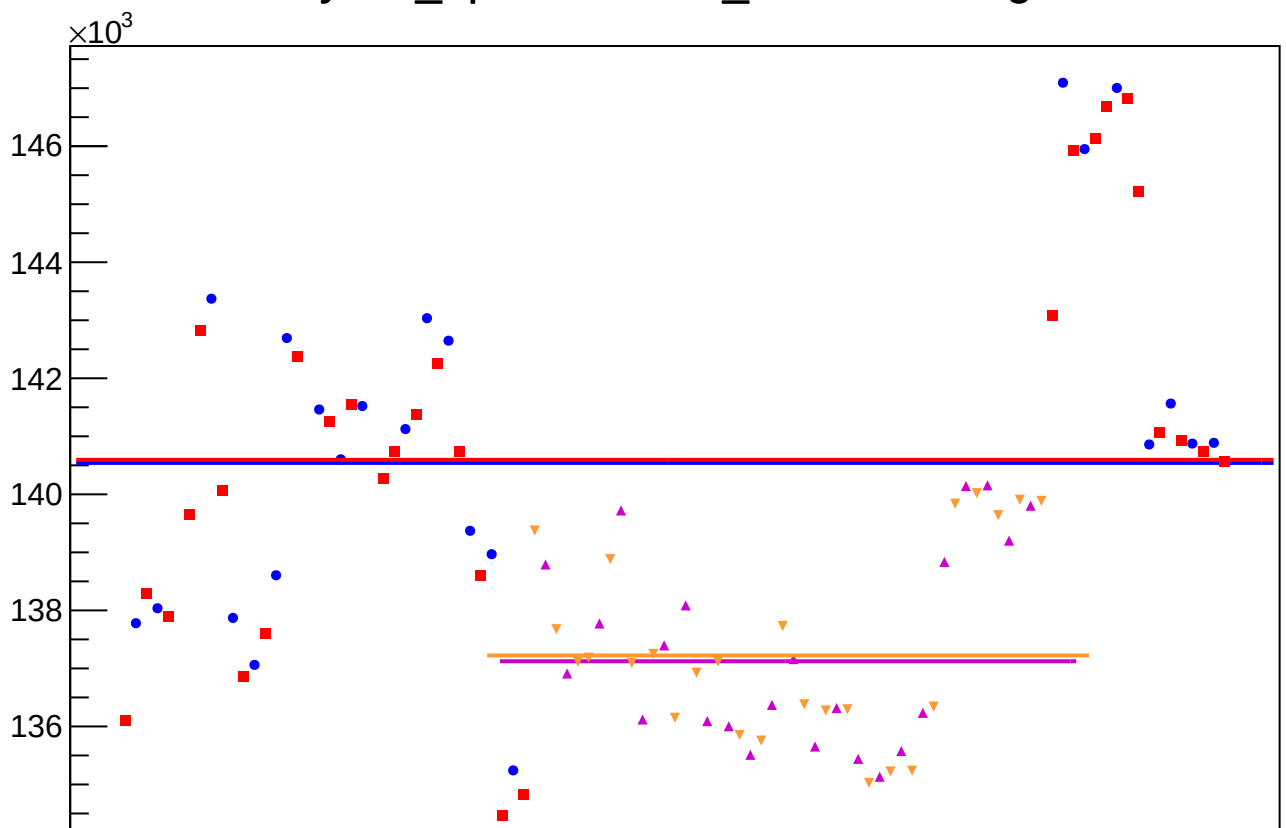
Right Out: 158.701+/-0.033 χ^2/NDF: 4428774.9/28

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 184.194+/-0.024 χ^2/NDF: 5300702.2/47

All: 183.712+/-0.017 χ^2/NDF: 11860844.9/99

- sign 183.242+/-0.024 χ^2/NDF: 6559374.6/51



Right In: 140541.842+/-0.055 χ^2/NDF: 2807391477.9/22

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140594.813+/-0.052 χ^2/NDF: 3239180335.3/28

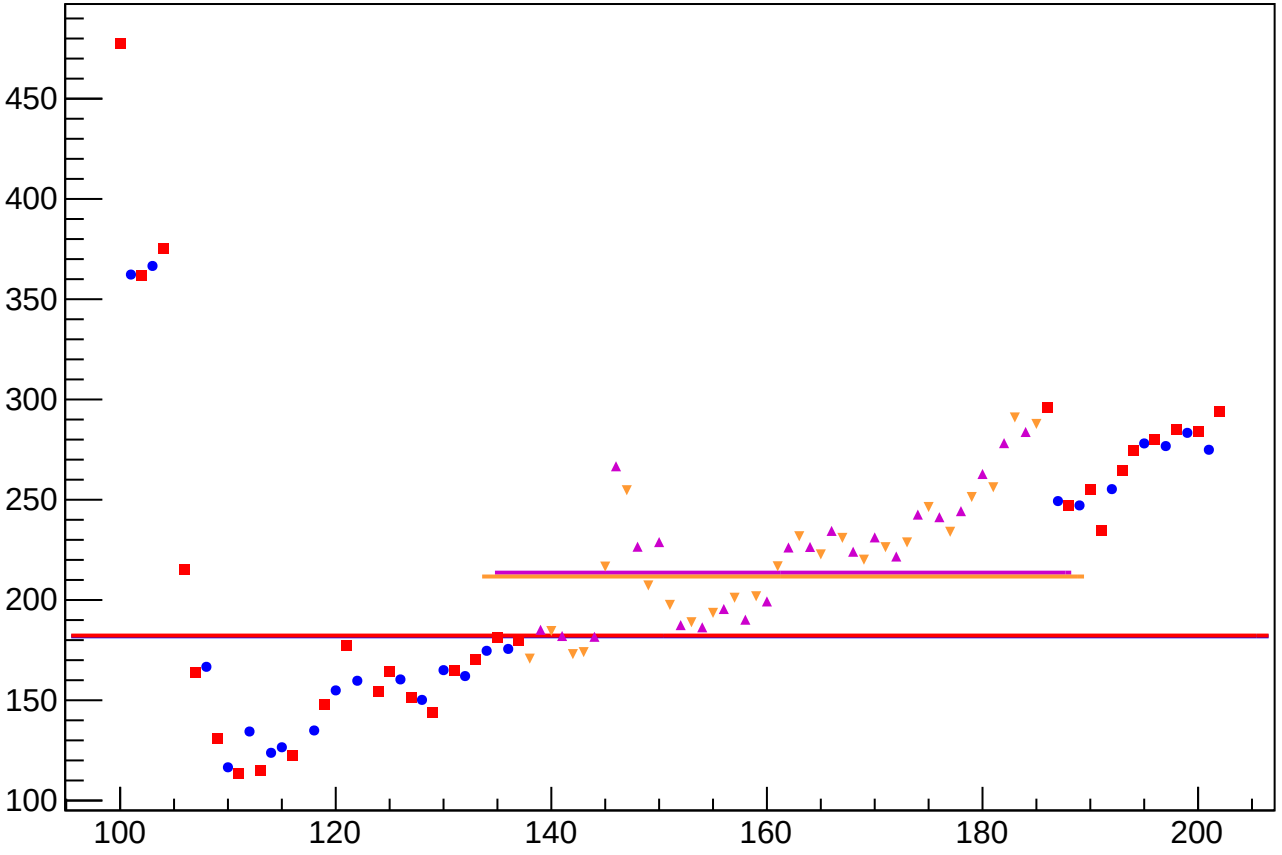
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138680.841+/-0.037 χ^2/NDF: 5711938459.9

All: 138757.880+/-0.026 χ^2/NDF: 12110161

- sign 138832.984+/-0.036 χ^2/NDF: 6389535936.0/

yield_bpm0i02aWS_rms vs Slug



Right In: 181.894+/-0.039 χ^2/NDF: 2384033.3/22

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

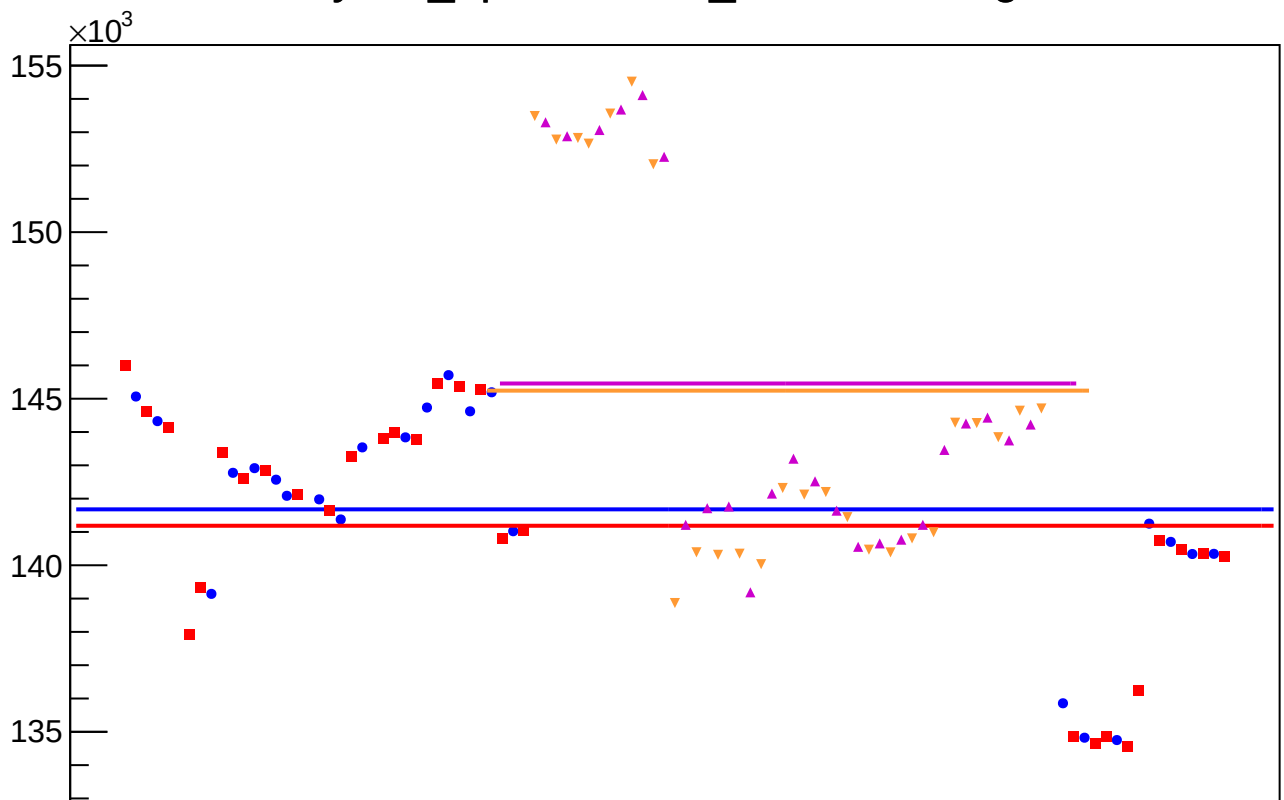
Right Out: 182.260+/-0.037 χ^2/NDF: 3312729.6/28

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 198.619+/-0.026 χ^2/NDF: 3384270.6/47

All: 198.400+/-0.018 χ^2/NDF: 7692725.7/99

- sign 198.187+/-0.026 χ^2/NDF: 4308315.4/51



Right In: 141678.429+/-0.056 χ^2/NDF: 2731986994.3/22

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141186.001+/-0.051 χ^2/NDF: 4388601951.3/28

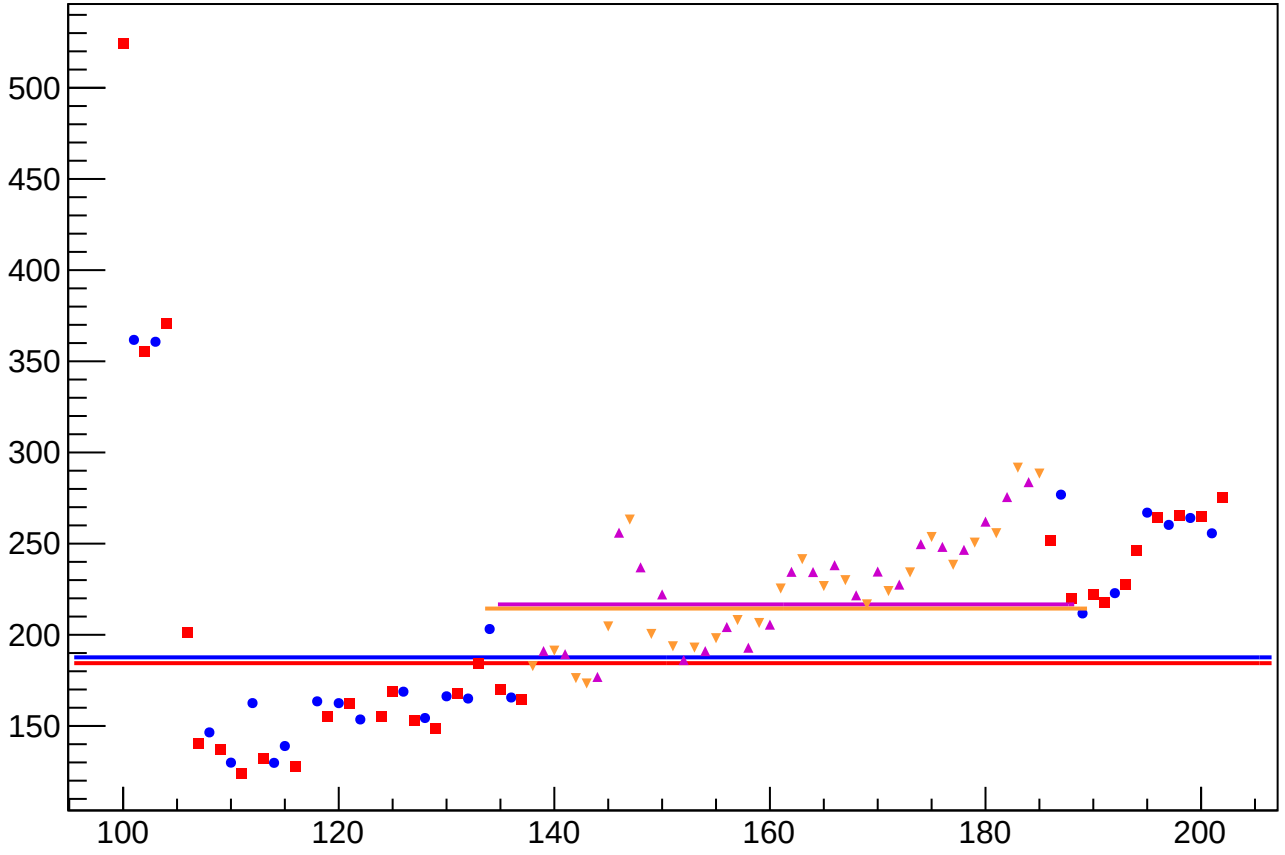
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143685.359+/-0.037 χ^2/NDF: 18018587372.

All: 143494.852+/-0.026 χ^2/NDF: 369729162

- sign 143312.816+/-0.036 χ^2/NDF: 18903142943.2

yield_bpm0i05WS_rms vs Slug



Right In: 187.636+/-0.040 χ^2/NDF: 1714890.5/22

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

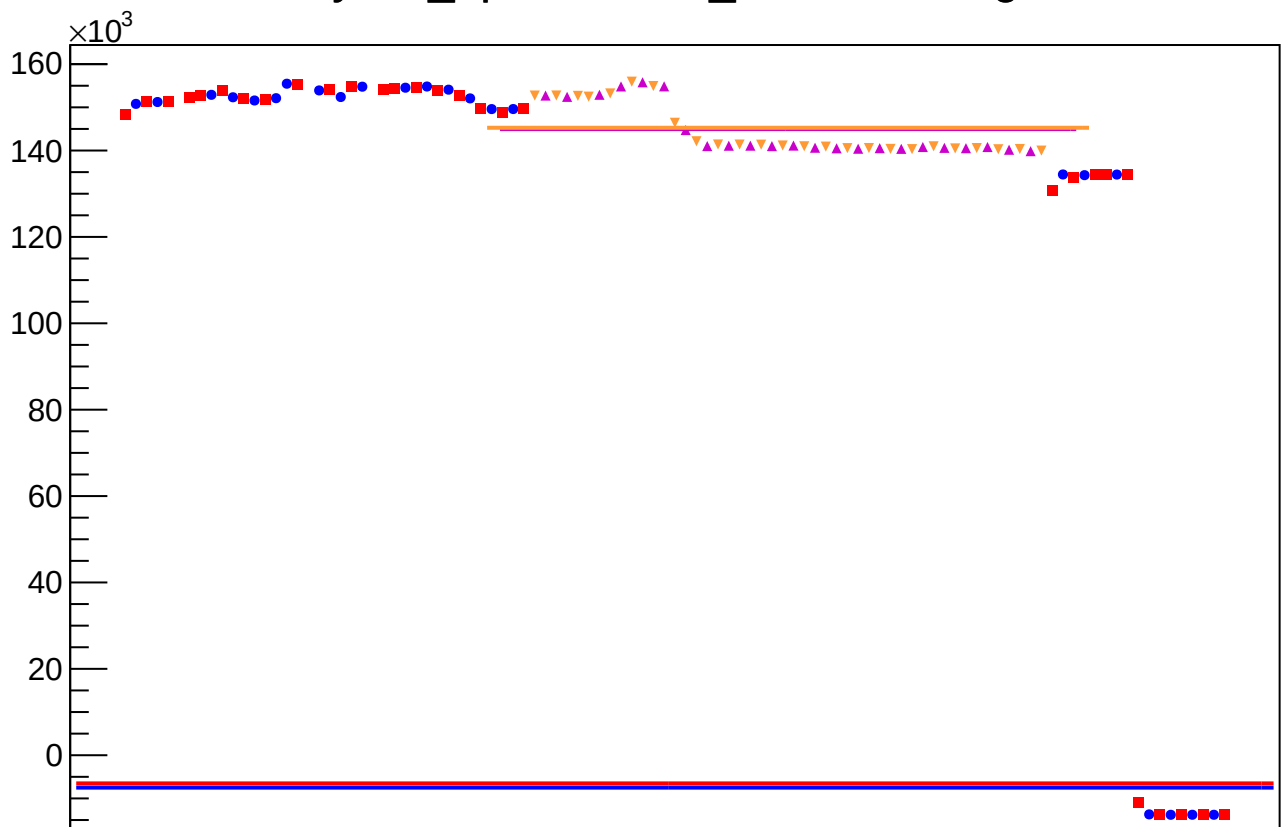
Right Out: 184.444+/-0.036 χ^2/NDF: 2357927.5/28

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 202.703+/-0.026 χ^2/NDF: 2612300.0/47

All: 201.568+/-0.018 χ^2/NDF: 5952554.5/99

- sign 200.485+/-0.026 χ^2/NDF: 3336626.6/51



Right In: -7497.648+/-0.013 χ^2/NDF: 5754590637550.3/22

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -6521.519+/-0.012 χ^2/NDF: 6992198416884.8/28

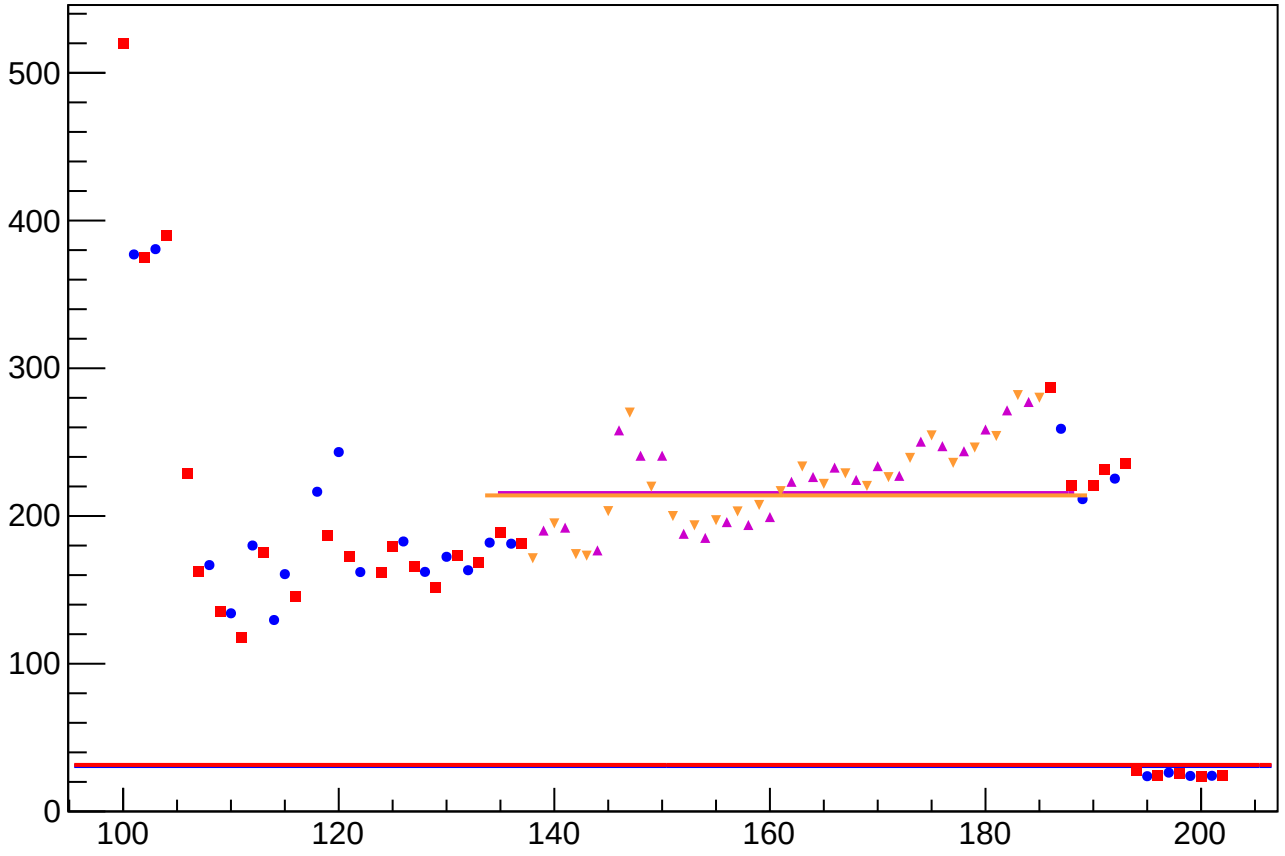
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 2539.122+/-0.013 χ^2/NDF: 14707803331594

All: 2240.133+/-0.009 χ^2/NDF: 2997656631

- sign 1966.054+/-0.012 χ^2/NDF: 15267693766347

yield_bpm0i07WS_rms vs Slug



Right In: 30.737+/-0.009 χ^2/NDF: 12407289.4/22

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

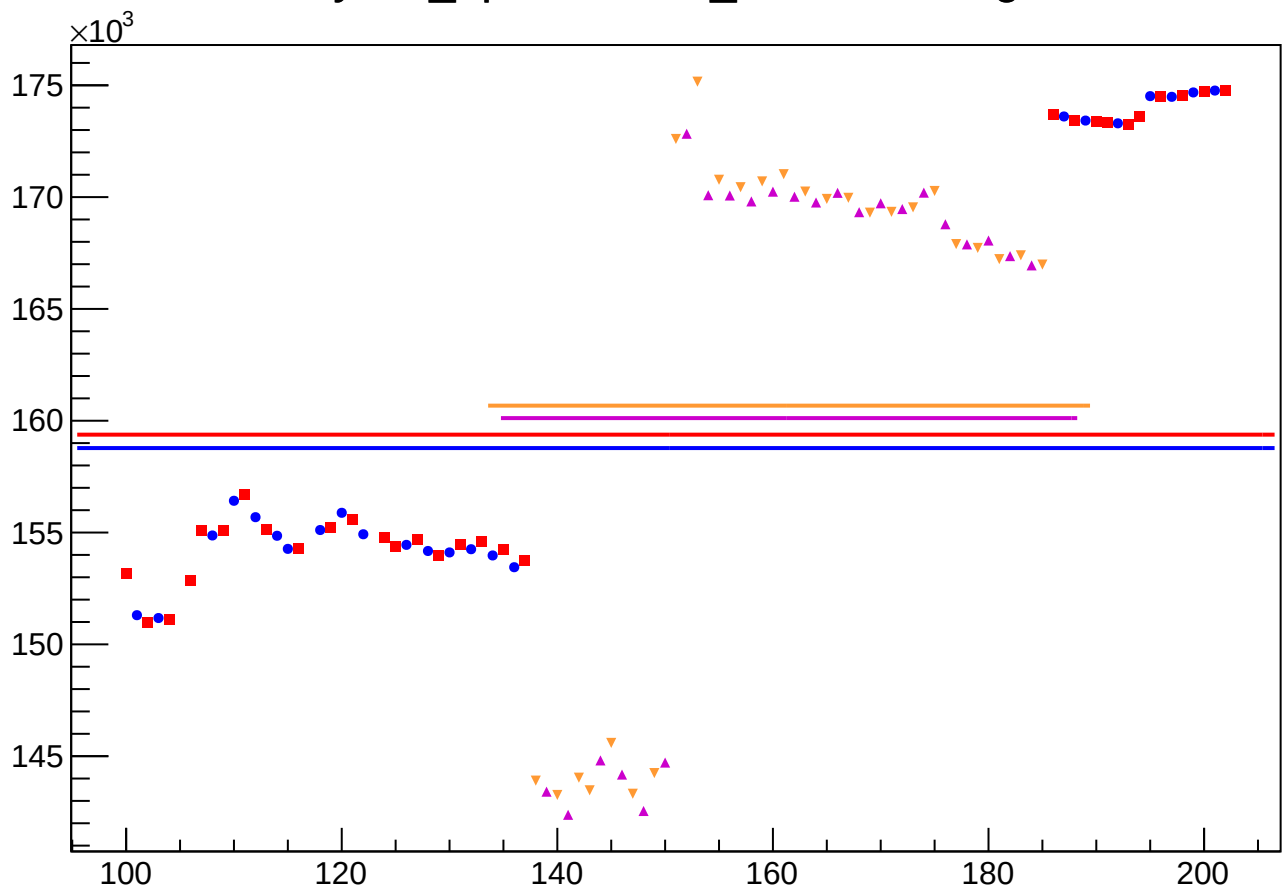
Right Out: 31.504+/-0.009 χ^2/NDF: 14104825.3/28

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 42.774+/-0.009 χ^2/NDF: 38773611.7/47

All: 42.274+/-0.006 χ^2/NDF: 77872855.6/99

- sign 41.816+/-0.009 χ^2/NDF: 39093258.9/51



Right In: 158777.739+/-0.058 χ^2/NDF: 18802303763.8/22

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 159377.525+/-0.053 χ^2/NDF: 23913618614.0/28

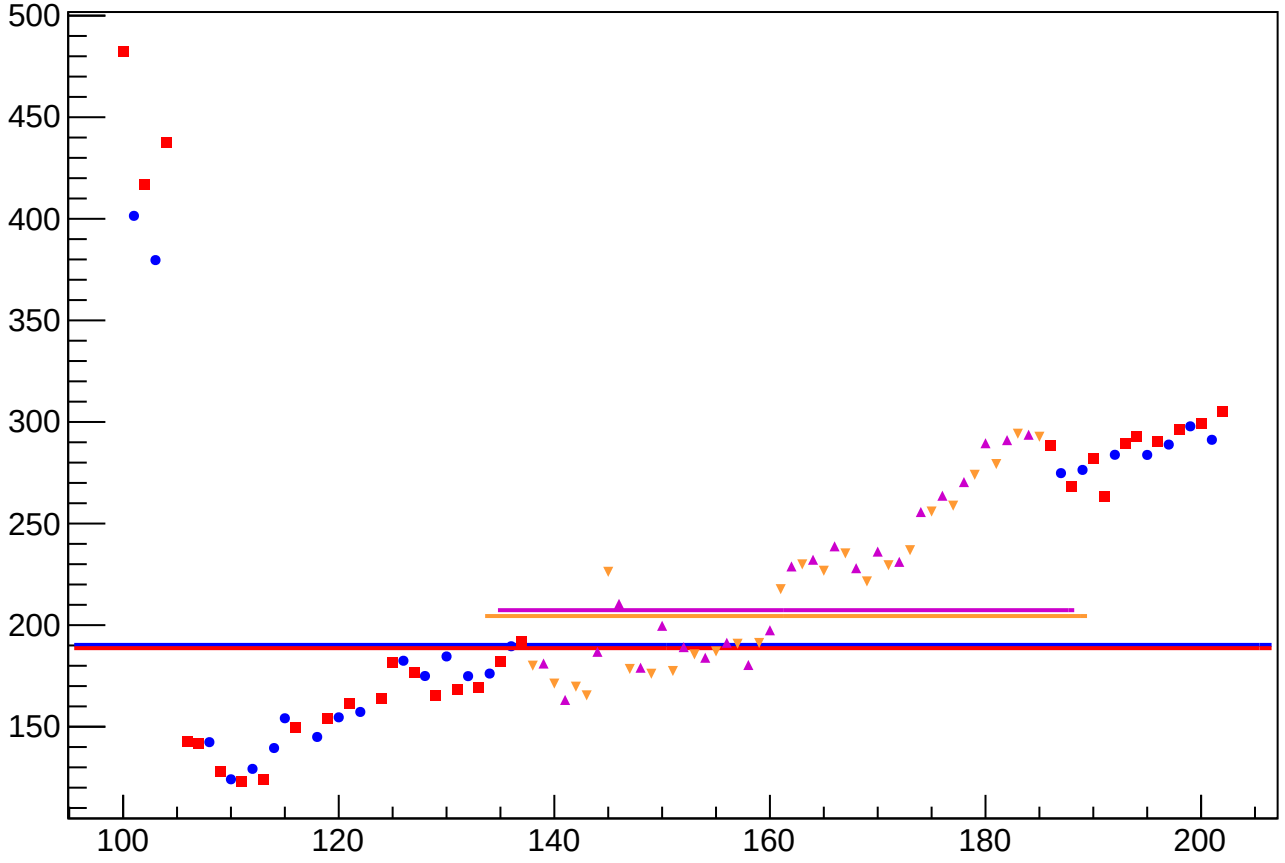
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 159915.652+/-0.037 χ^2/NDF: 93598679915.

All: 159844.615+/-0.026 χ^2/NDF: 18417660

- sign 159775.422+/-0.036 χ^2/NDF: 90570527029.5

yield_bpm1i02WS_rms vs Slug



Right In: 190.274+/-0.041 χ^2/NDF: 2534207.3/22

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

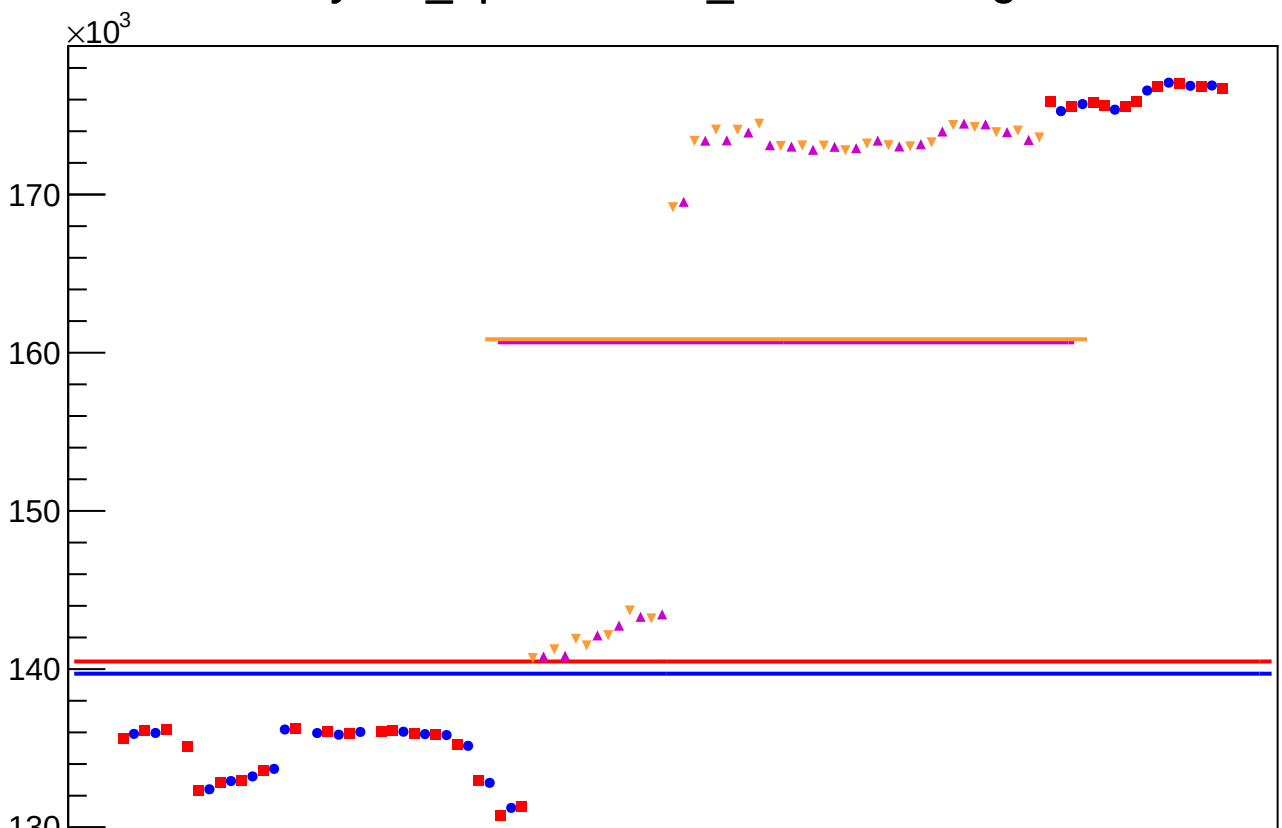
Right Out: 188.664+/-0.038 χ^2/NDF: 3492579.8/28

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 198.793+/-0.026 χ^2/NDF: 3679283.7/47

All: 198.757+/-0.018 χ^2/NDF: 8261056.4/99

- sign 198.722+/-0.026 χ^2/NDF: 4581769.0/51



Right In: 139711.447+/-0.047 χ^2/NDF: 89781888260.1/22

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 140482.483+/-0.044 χ^2/NDF: 116107620387.5/28

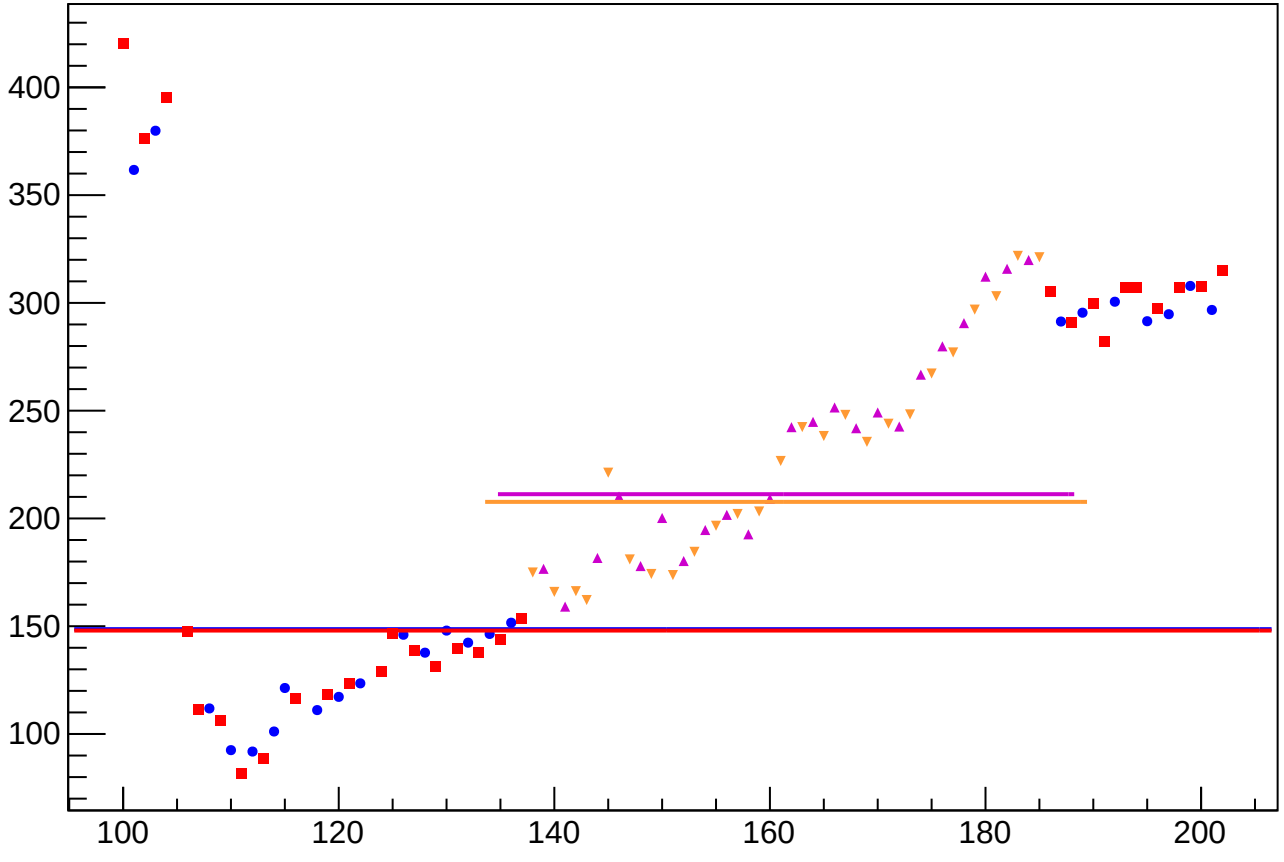
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 150061.387+/-0.034 χ^2/NDF: 286234236407

All: 149633.953+/-0.024 χ^2/NDF: 58285655

- sign 149220.982+/-0.033 χ^2/NDF: 296309499555

yield_bpm1i04WS_rms vs Slug



Right In: 148.636+/-0.034 χ^2/NDF: 4406737.5/22

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

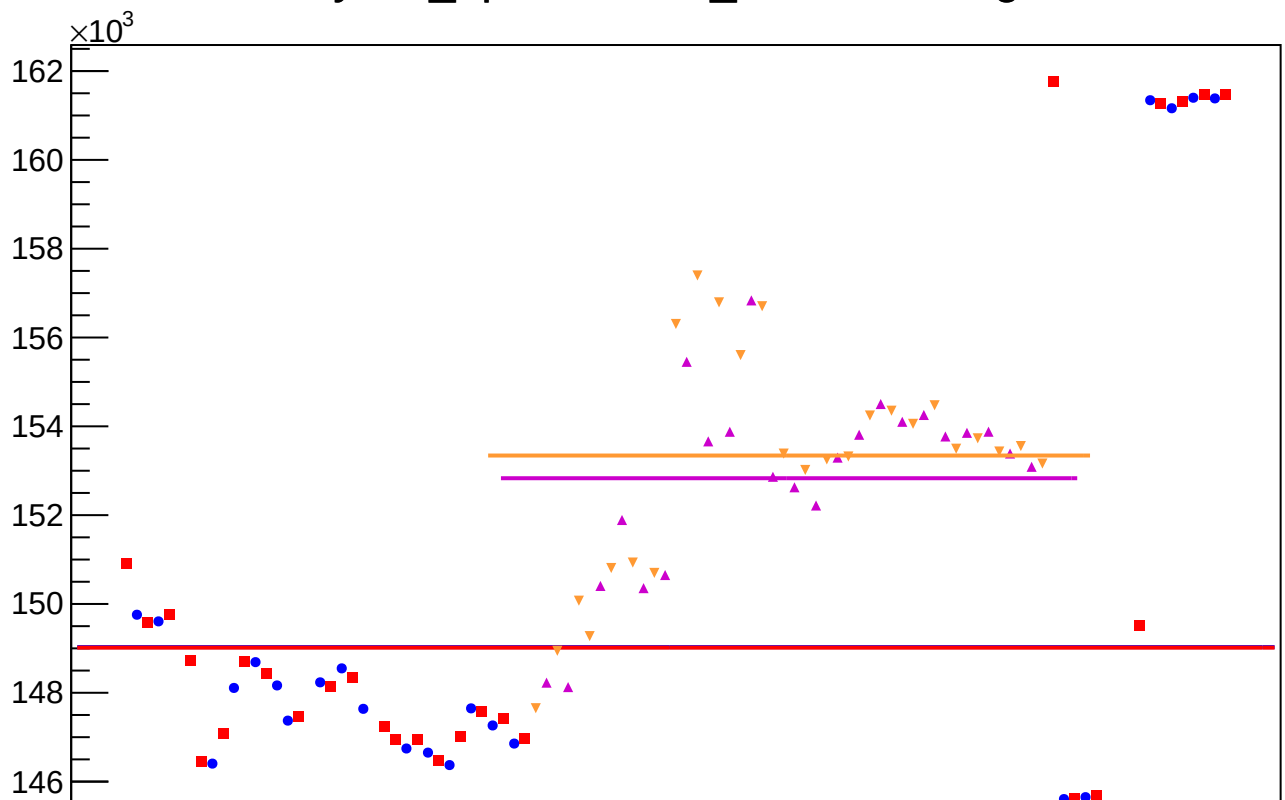
Right Out: 147.989+/-0.031 χ^2/NDF: 5964382.2/28

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 177.548+/-0.024 χ^2/NDF: 7425223.6/47

All: 176.454+/-0.017 χ^2/NDF: 16471054.9/99

- sign 175.396+/-0.024 χ^2/NDF: 9041727.7/51



Right In: 149028.240+/-0.056 χ^2/NDF: 6604915231.5/22

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 149016.612+/-0.052 χ^2/NDF: 7089622188.4/28

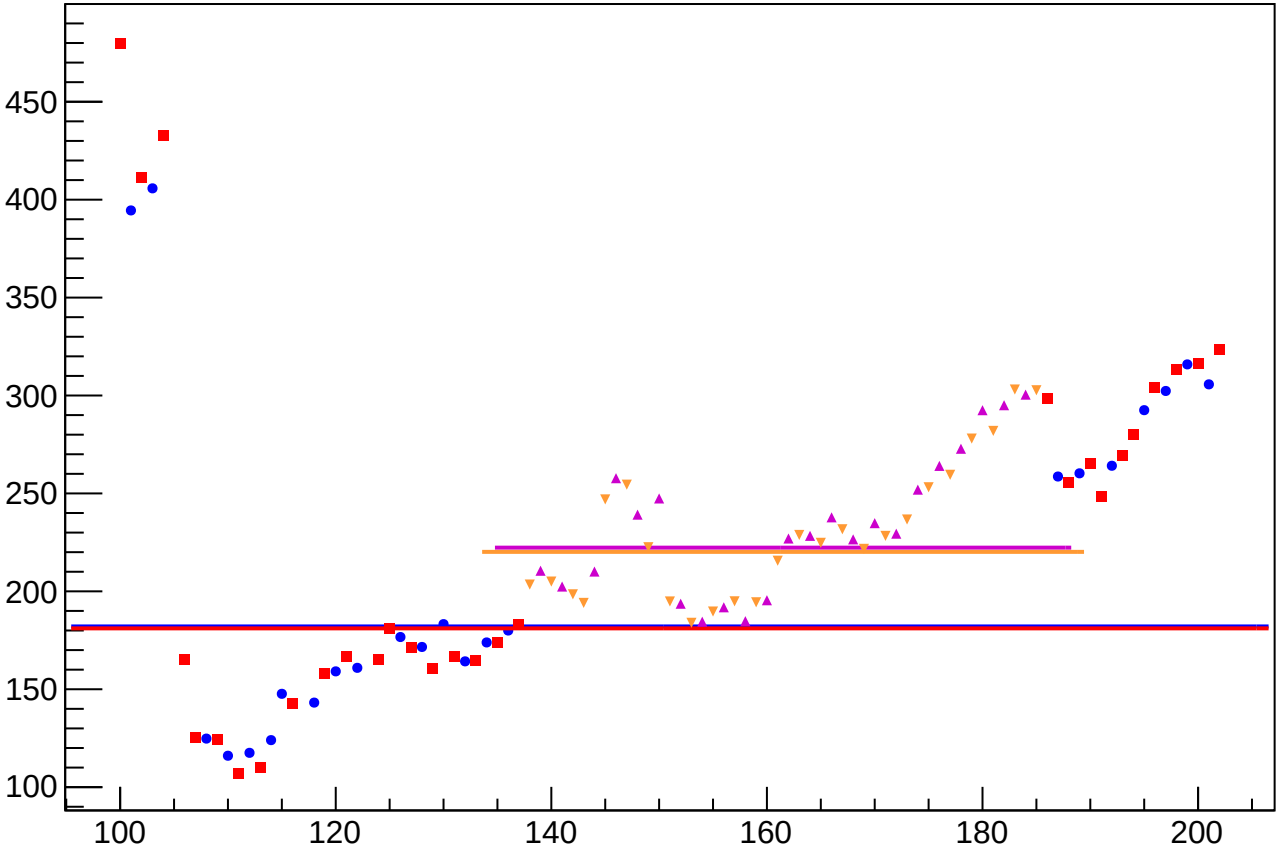
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151399.513+/-0.038 χ^2/NDF: 12831747635.

All: 151139.211+/-0.026 χ^2/NDF: 24588611

- sign 150888.209+/-0.037 χ^2/NDF: 11663031928.

yield_bpm1i06WS_rms vs Slug



Right In: 182.073+/-0.040 χ^2/NDF: 3000156.8/22

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

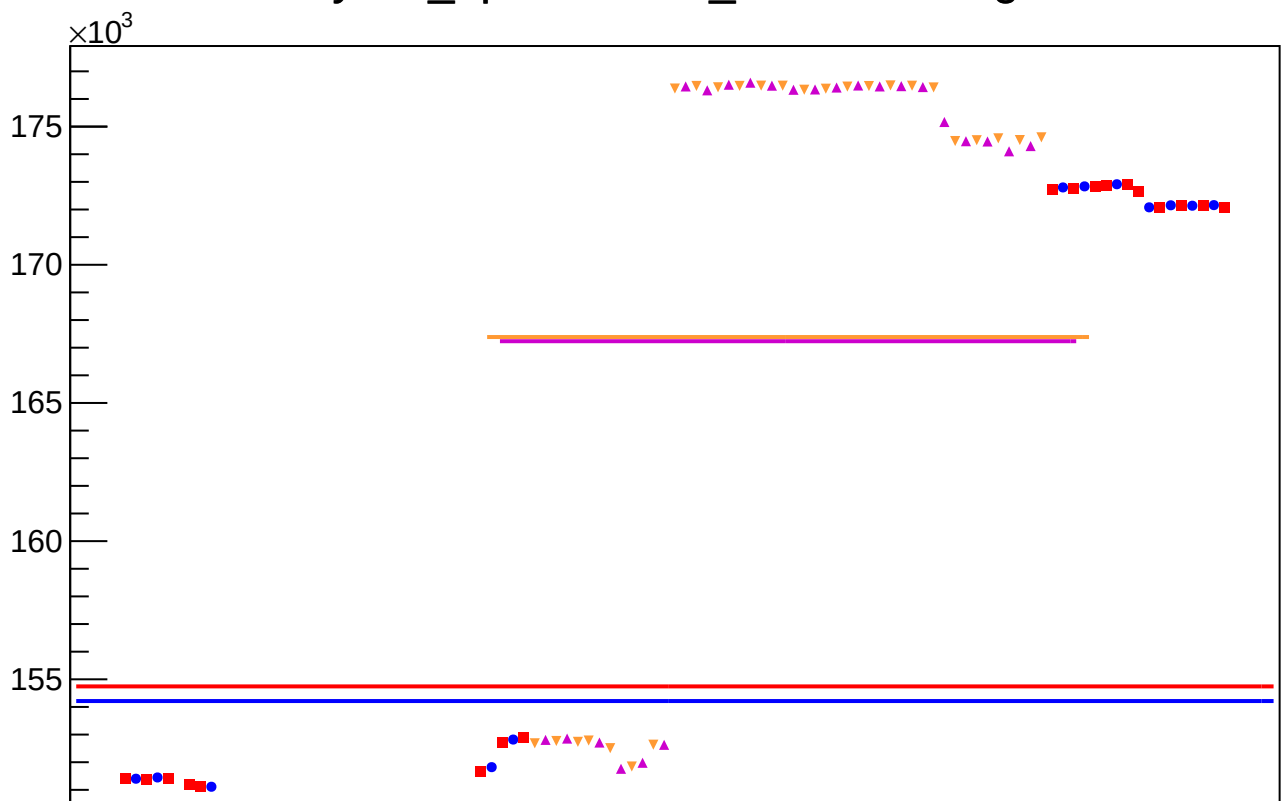
Right Out: 181.090+/-0.037 χ^2/NDF: 4016802.1/28

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 203.005+/-0.027 χ^2/NDF: 4191953.4/47

All: 202.142+/-0.019 χ^2/NDF: 9529155.8/99

- sign 201.310+/-0.026 χ^2/NDF: 5335142.0/51



Right In: 154213.530+/-0.050 χ^2/NDF: 26907298214.1/22

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 154743.501+/-0.046 χ^2/NDF: 35454072626.1/28

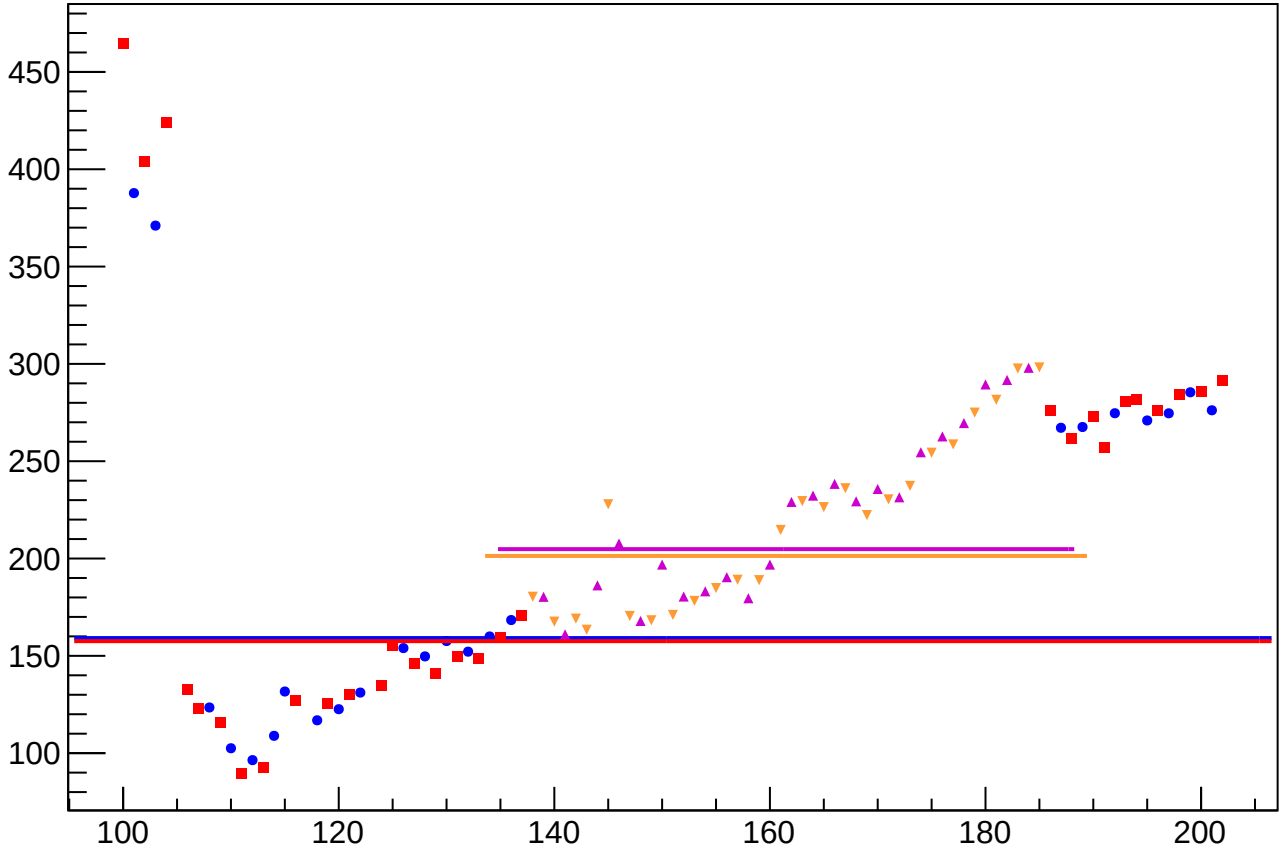
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161222.920+/-0.034 χ^2/NDF: 12367829972

All: 160901.447+/-0.024 χ^2/NDF: 2491440

- sign 160592.112+/-0.033 χ^2/NDF: 125291218331

yield_bpm2i01WS_rms vs Slug



Right In: 159.124+/-0.035 χ^2/NDF: 3585779.2/22

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

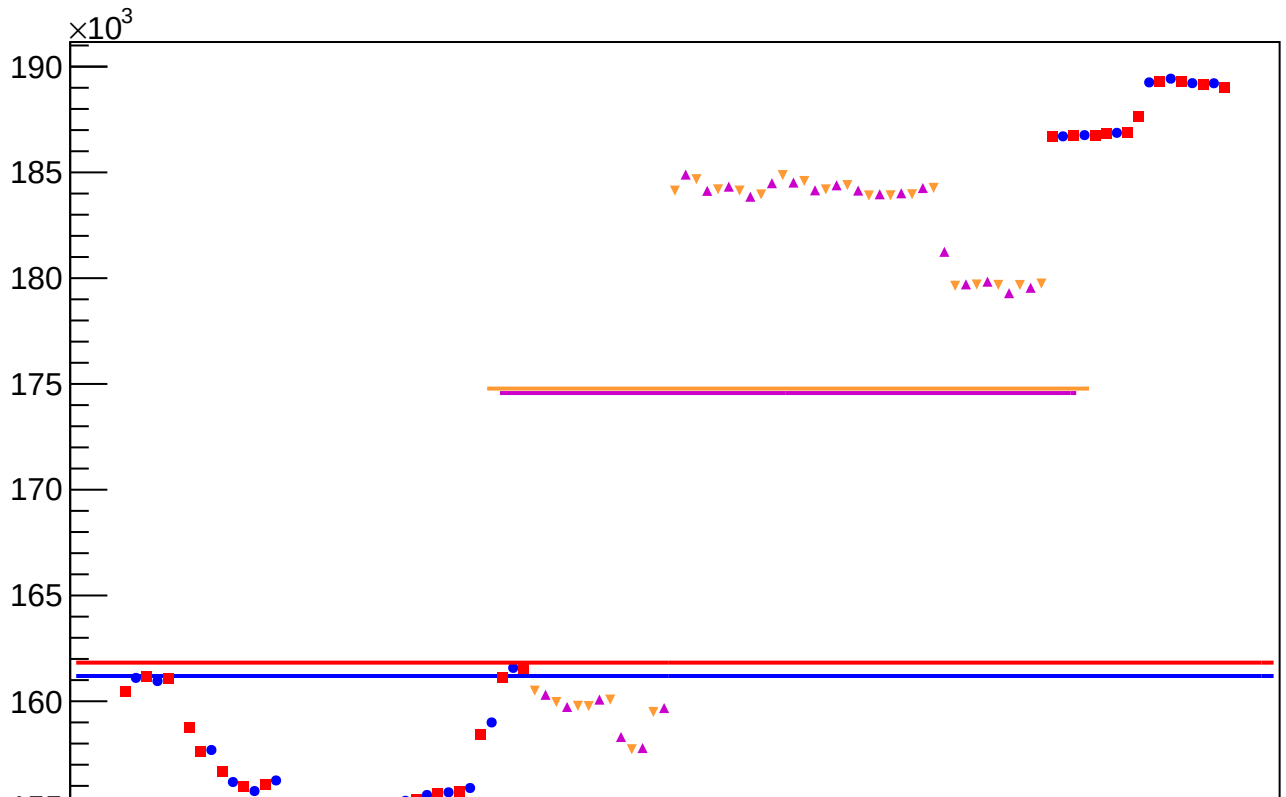
Right Out: 157.544+/-0.032 χ^2/NDF: 4886041.6/28

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 181.583+/-0.024 χ^2/NDF: 5579610.3/47

All: 180.615+/-0.017 χ^2/NDF: 12517447.5/99

- sign 179.683+/-0.024 χ^2/NDF: 6934672.5/51



Right In: 161194.171+/-0.052 χ^2/NDF: 48066687654.1/22

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 161826.058+/-0.048 χ^2/NDF: 61169834387.3/28

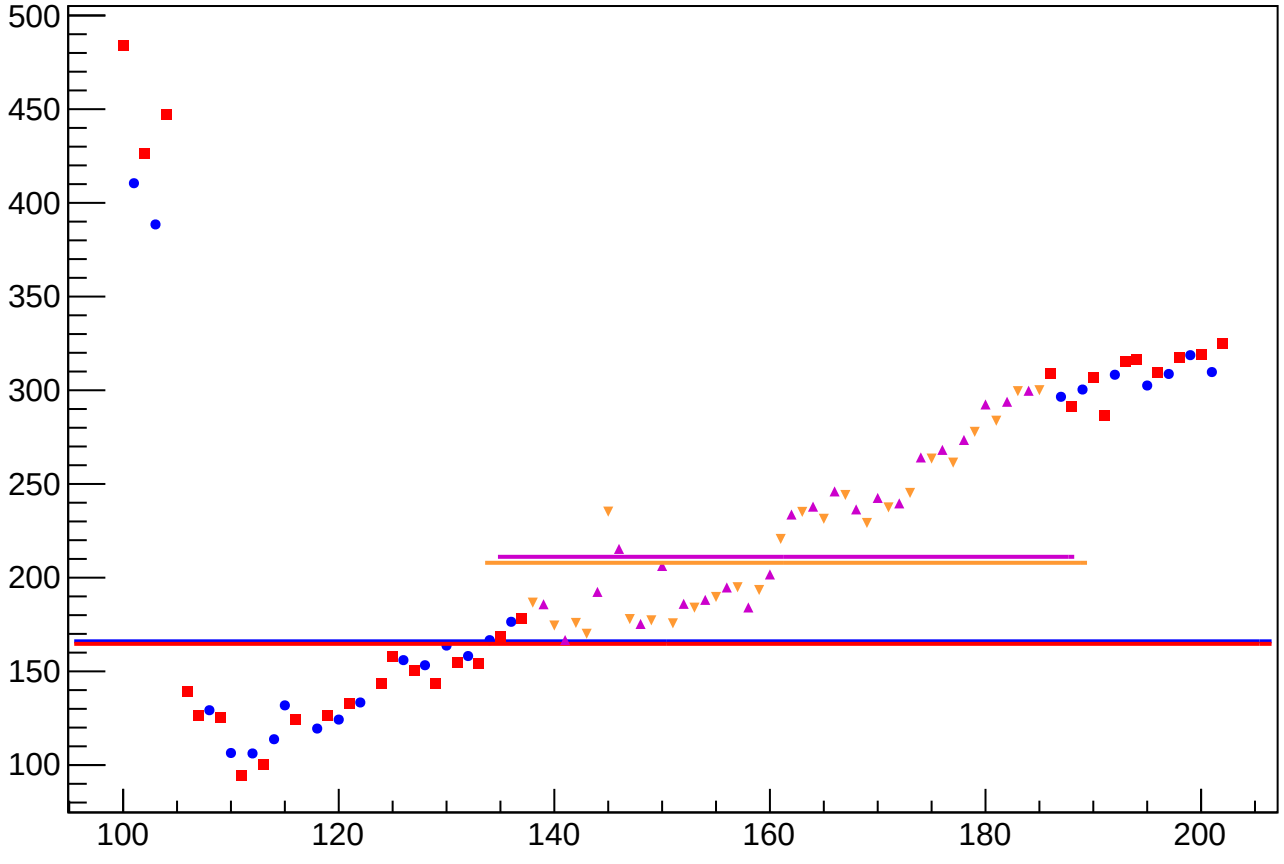
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 168560.069+/-0.035 χ^2/NDF: 14256901030

All: 168248.815+/-0.025 χ^2/NDF: 2919552

- sign 167948.115+/-0.035 χ^2/NDF: 14923507277

yield_bpm2i02WS_rms vs Slug



Right In: 166.030+/-0.037 χ^2/NDF: 3929240.5/22

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 164.693+/-0.034 χ^2/NDF: 5334072.6/28

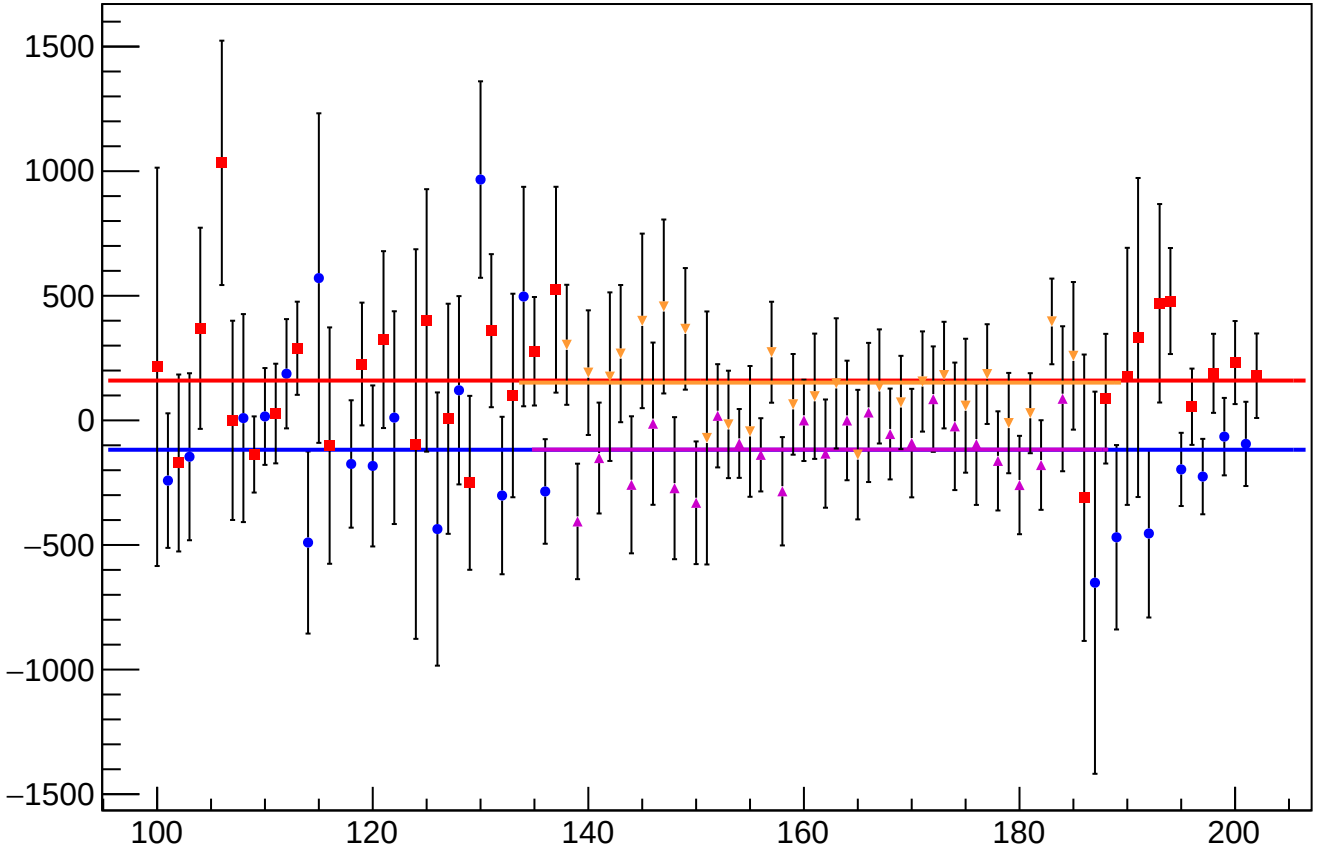
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 188.751+/-0.025 χ^2/NDF: 5753498.0/47

All: 187.862+/-0.018 χ^2/NDF: 12968377.4/99

- sign 187.002+/-0.025 χ^2/NDF: 7212410.2/51

asym_bcm_target_mean vs Slug



Right In: -117.874+/-53.096 χ^2/NDF: 19.6/22

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 159.789+/-48.872 χ^2/NDF: 17.5/28

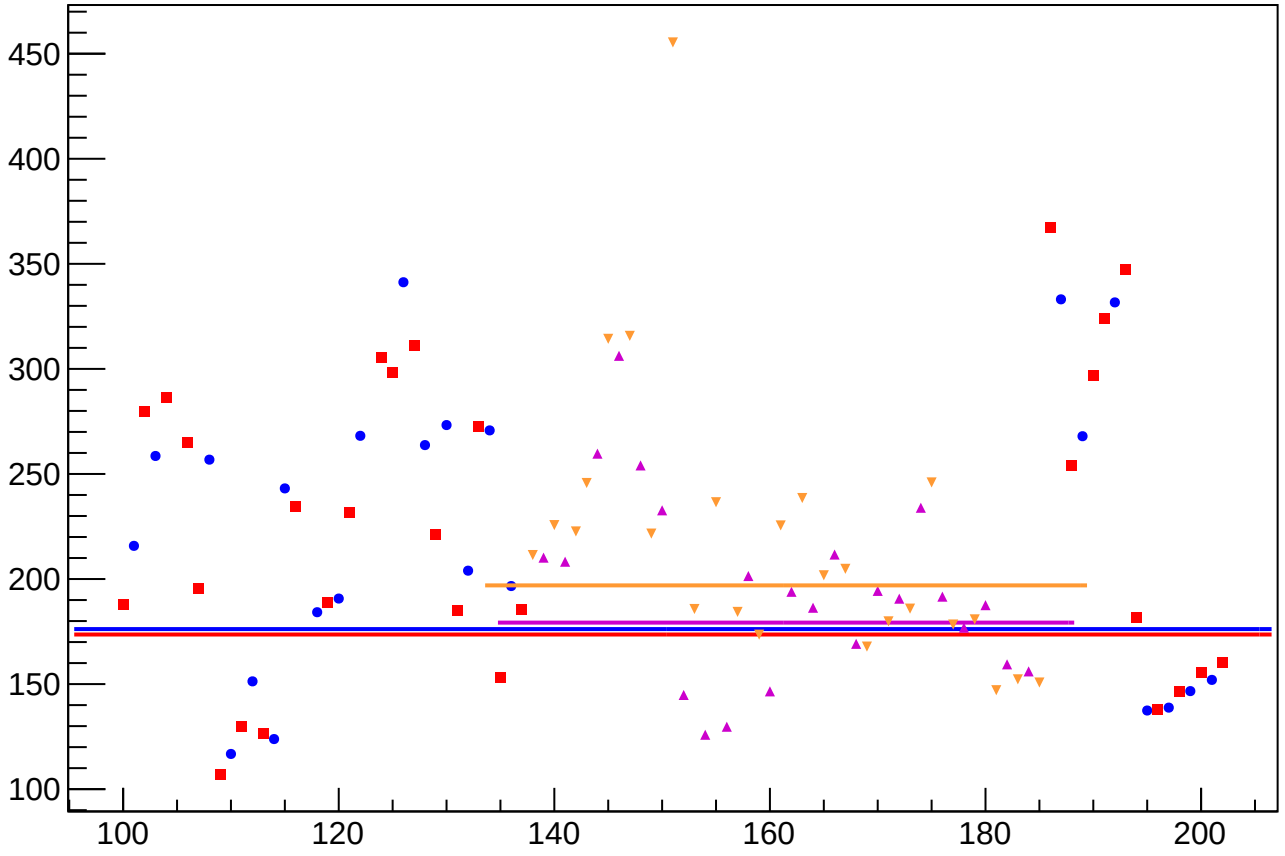
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 34.860+/-34.947 χ^2/NDF: 43.8/47

All: 19.503+/-23.842 χ^2/NDF: 86.9/99

- sign 6.132+/-32.608 χ^2/NDF: 42.8/51

asym_bcm_target_rms vs Slug



Right In: 176.181+/-0.038 χ^2/NDF: 2154863.1/22

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.596+/-0.035 χ^2/NDF: 2860999.6/28

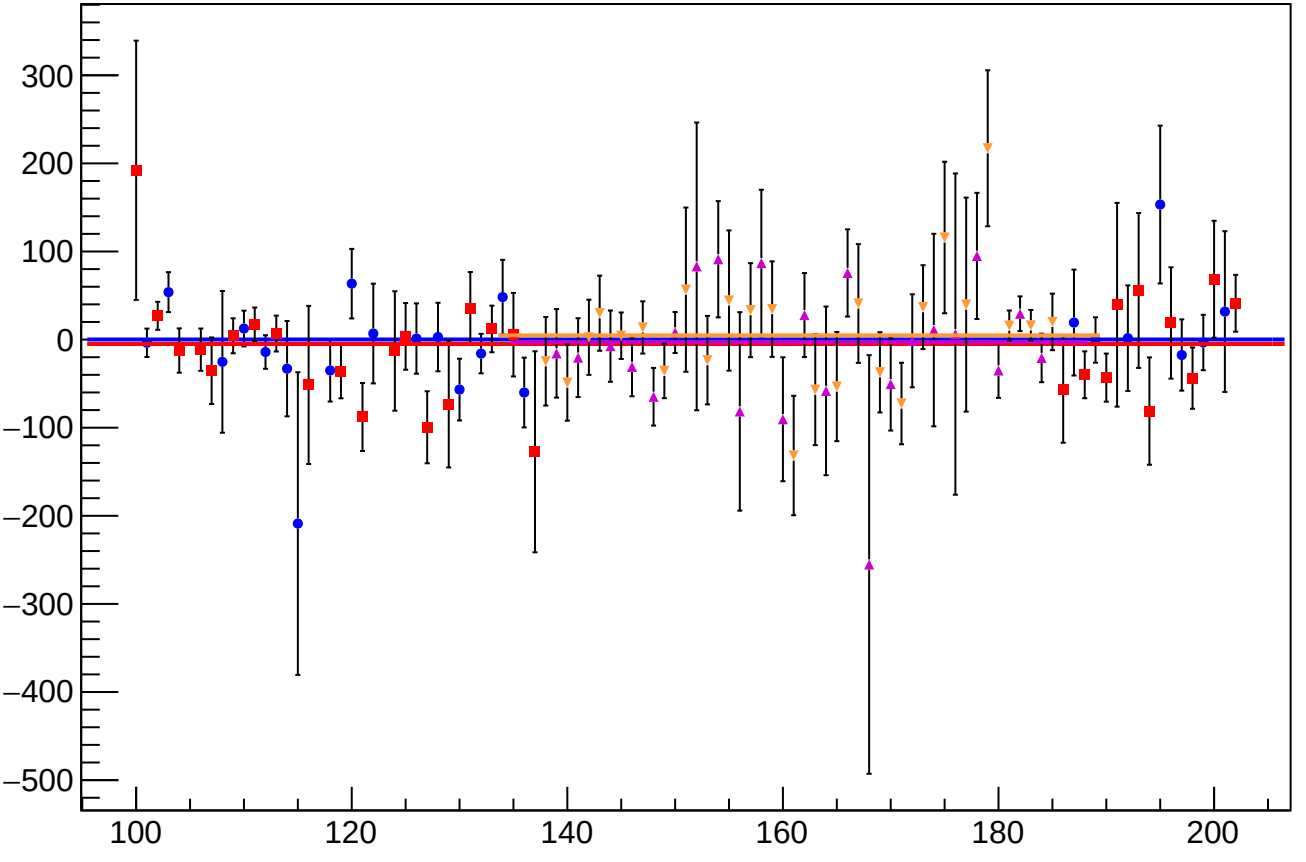
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 187.967+/-0.025 χ^2/NDF: 4138031.8/47

All: 181.964+/-0.017 χ^2/NDF: 8780355.4/99

- sign 176.736+/-0.023 χ^2/NDF: 4531903.8/51

asym_bcm_an_diff_mean vs Slug



Right In: 0.109+/-6.668 χ^2/NDF: 22.2/22

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -5.007+/-6.019 χ^2/NDF: 34.7/28

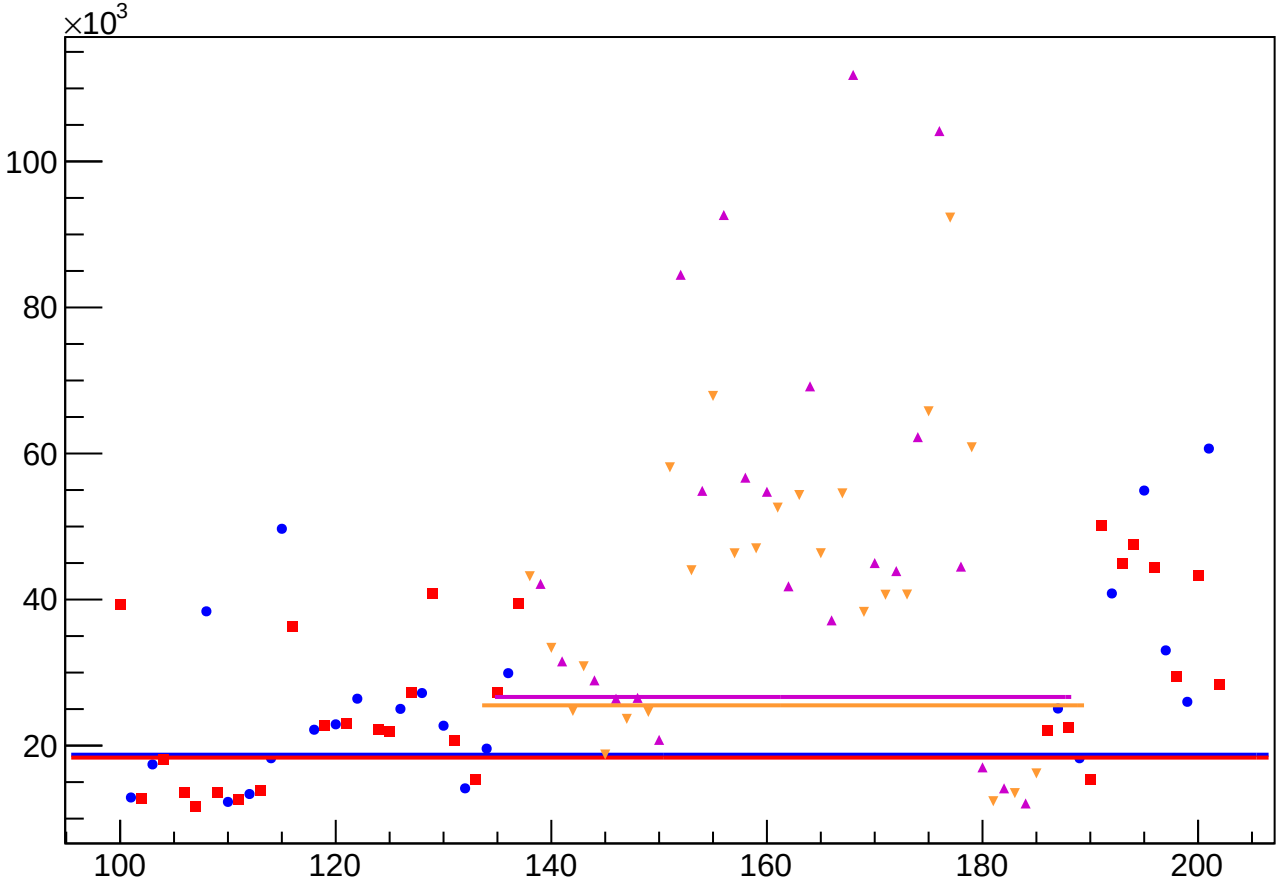
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.151+/-5.013 χ^2/NDF: 46.8/47

All: -1.122+/-3.531 χ^2/NDF: 103.8/99

- sign -4.345+/-4.975 χ^2/NDF: 56.2/51

asym_bcm_an_diff_rms vs Slug



Right In: 18752.653+/-4.715 χ^2/NDF: 2708566.6/22

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 18356.203+/-4.256 χ^2/NDF: 3352690.7/28

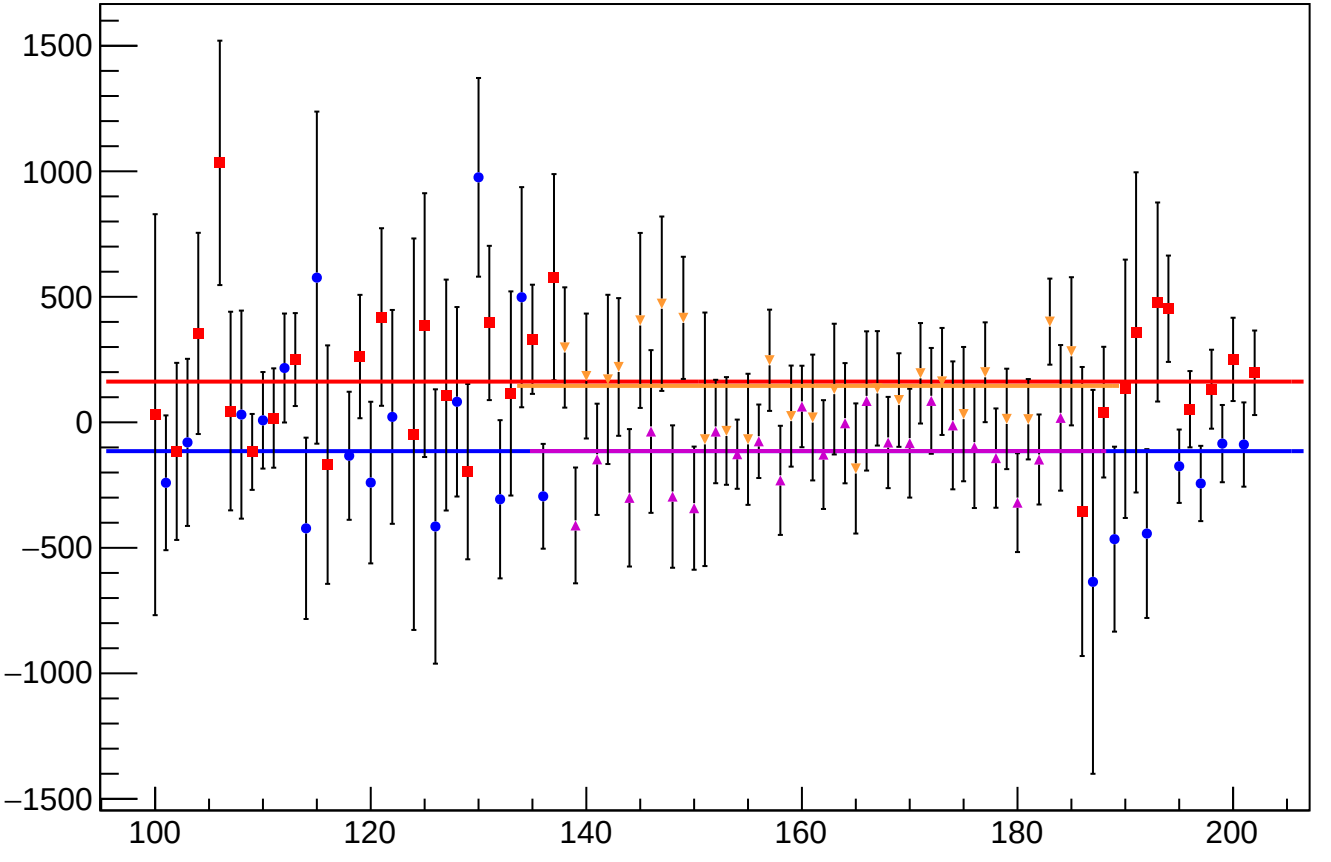
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21692.736+/-3.545 χ^2/NDF: 11345039.1/47

All: 21336.931+/-2.497 χ^2/NDF: 21806912.9

- sign 20986.456+/-3.518 χ^2/NDF: 10441872.5/51

asym_bcm_an_ds_mean vs Slug



Right In: -114.815+/-52.750 χ^2/NDF: 19.7/22

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 162.218+/-48.579 χ^2/NDF: 17.6/28

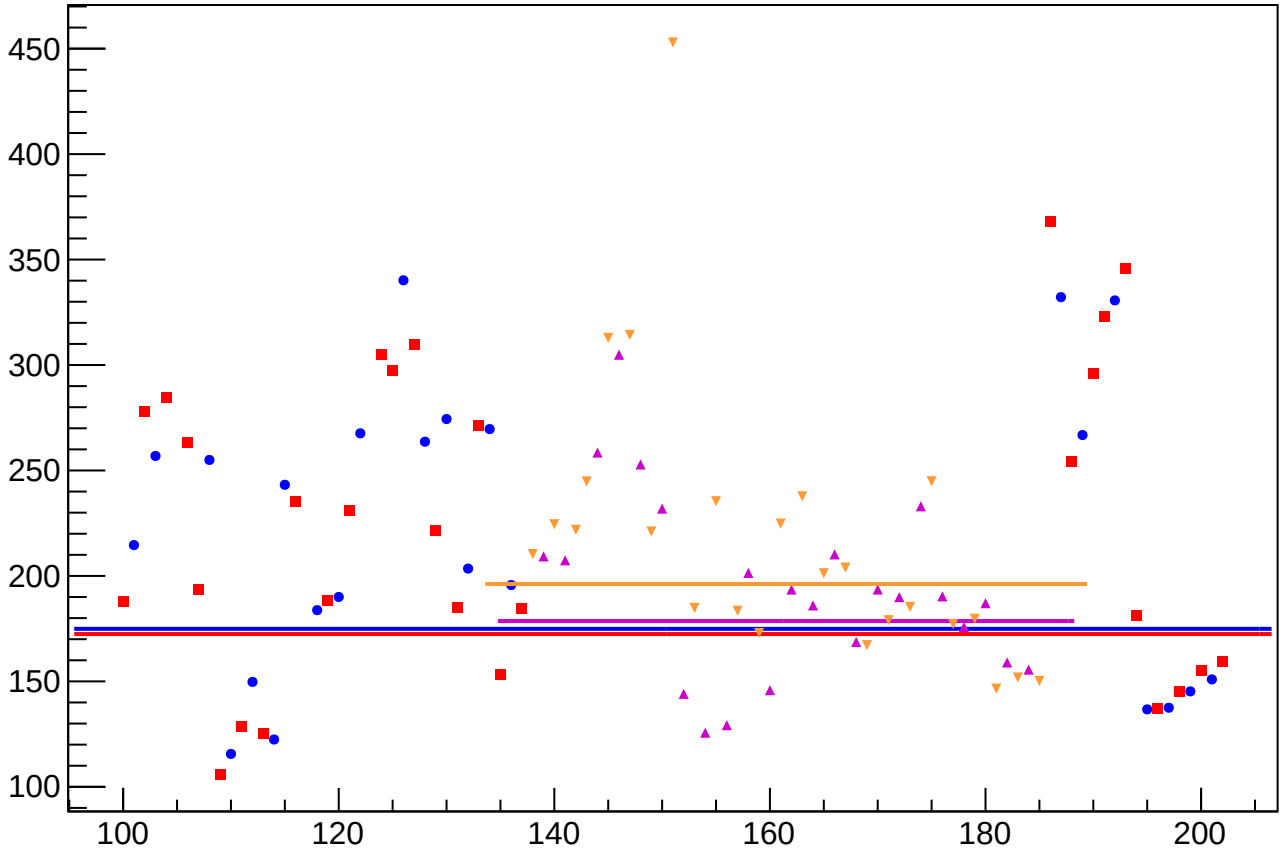
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 32.243+/-34.766 χ^2/NDF: 44.6/47

All: 19.862+/-23.724 χ^2/NDF: 88.8/99

- sign 9.072+/-32.456 χ^2/NDF: 43.9/51

asym_bcm_an_ds_rms vs Slug



Right In: 174.918+/-0.037 χ^2/NDF: 2185223.4/22

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 172.436+/-0.034 χ^2/NDF: 2898029.7/28

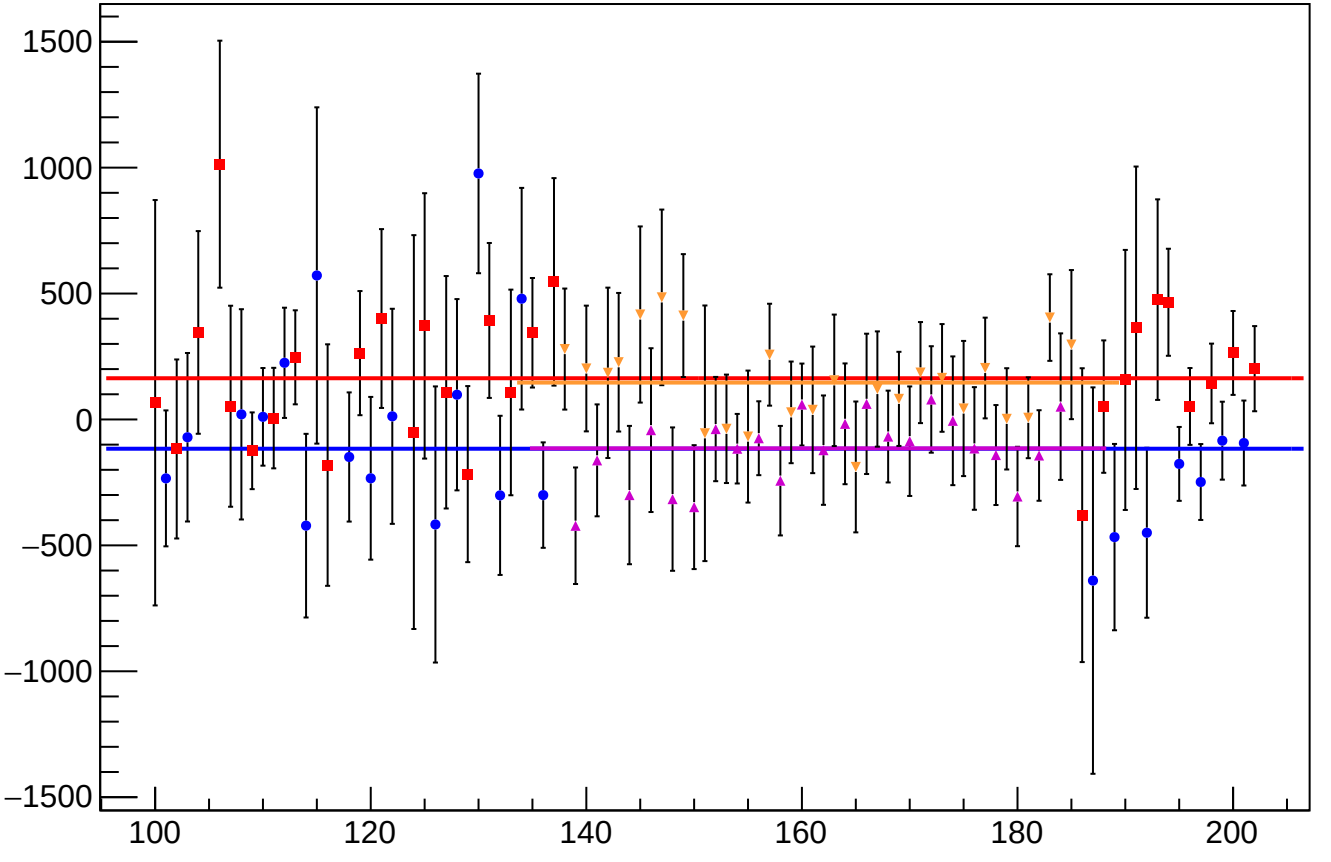
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 186.936+/-0.025 χ^2/NDF: 4175640.1/47

All: 181.018+/-0.017 χ^2/NDF: 8851962.8/99

- sign 175.860+/-0.023 χ^2/NDF: 4567850.8/51

asym_bcm_an_ds3_mean vs Slug



Right In: -116.252+/-53.022 χ^2/NDF: 19.7/22

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 163.659+/-48.832 χ^2/NDF: 17.8/28

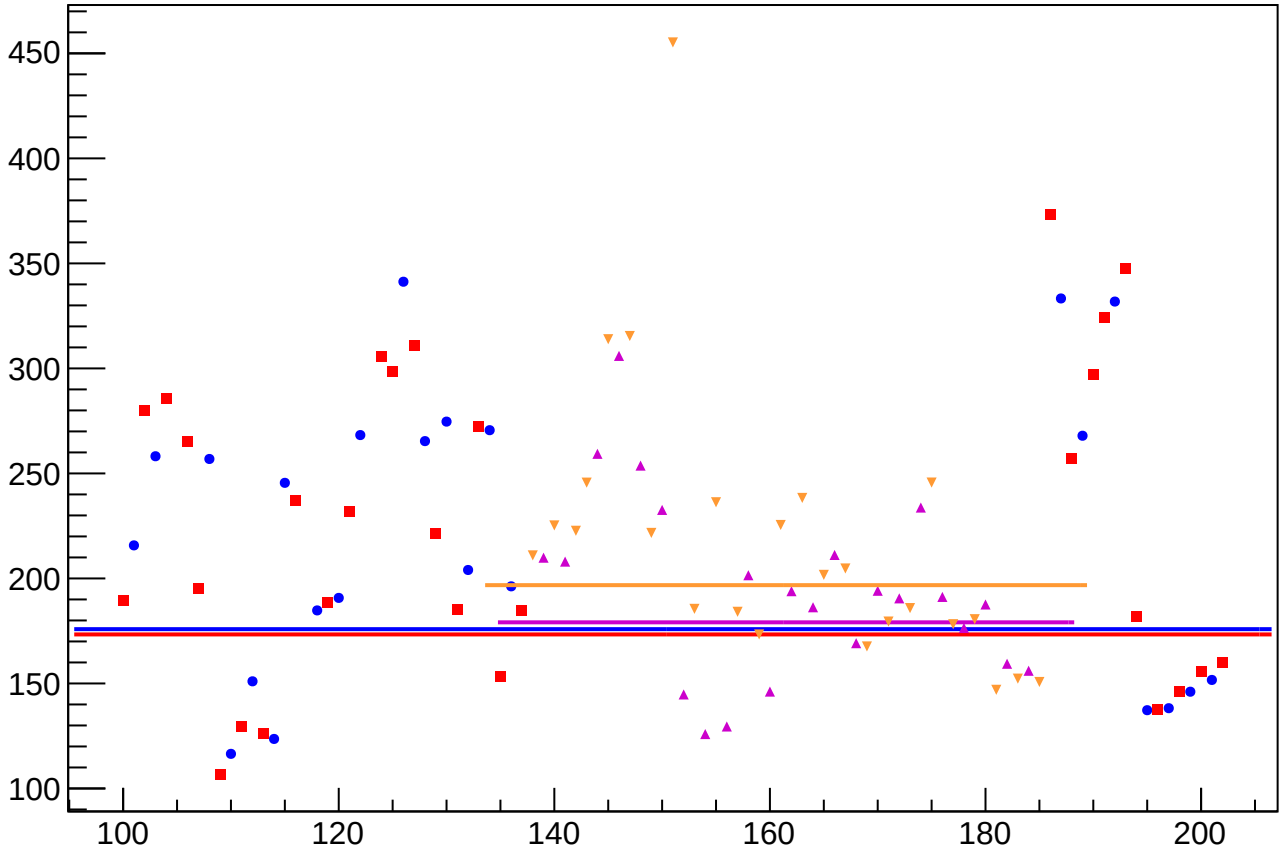
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 32.559+/-34.909 χ^2/NDF: 45.0/47

All: 20.051+/-23.819 χ^2/NDF: 89.5/99

- sign 9.156+/-32.581 χ^2/NDF: 44.2/51

asym_bcm_an_ds3_rms vs Slug



Right In: 175.856+/-0.037 χ^2/NDF: 2175319.5/22

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 173.344+/-0.035 χ^2/NDF: 2894351.5/28

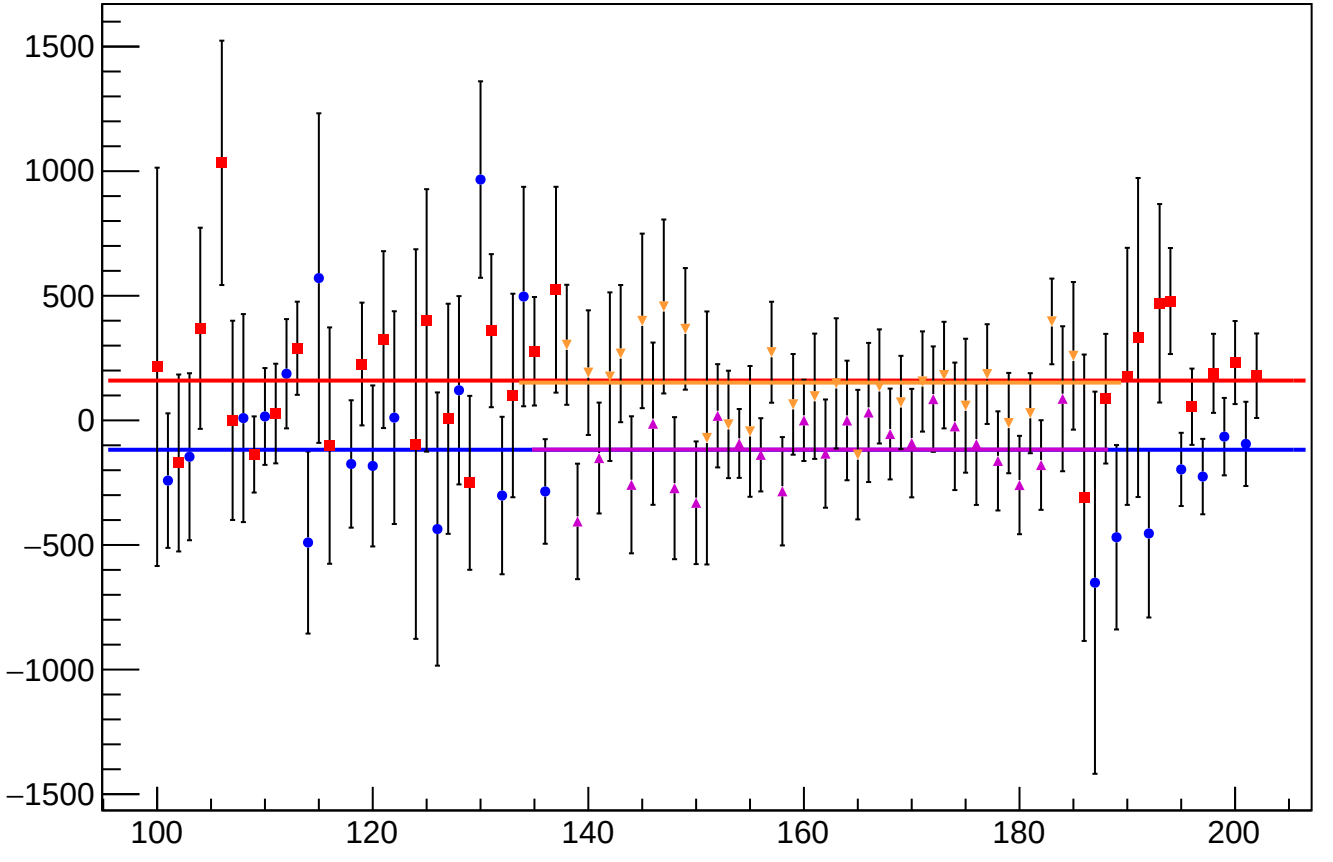
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 187.724+/-0.025 χ^2/NDF: 4160816.1/47

All: 181.746+/-0.017 χ^2/NDF: 8836221.0/99

- sign 176.538+/-0.023 χ^2/NDF: 4565641.8/51

asym_bcm_an_us_mean vs Slug



Right In: -117.874+/-53.096 χ^2/NDF: 19.6/22

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 159.789+/-48.872 χ^2/NDF: 17.5/28

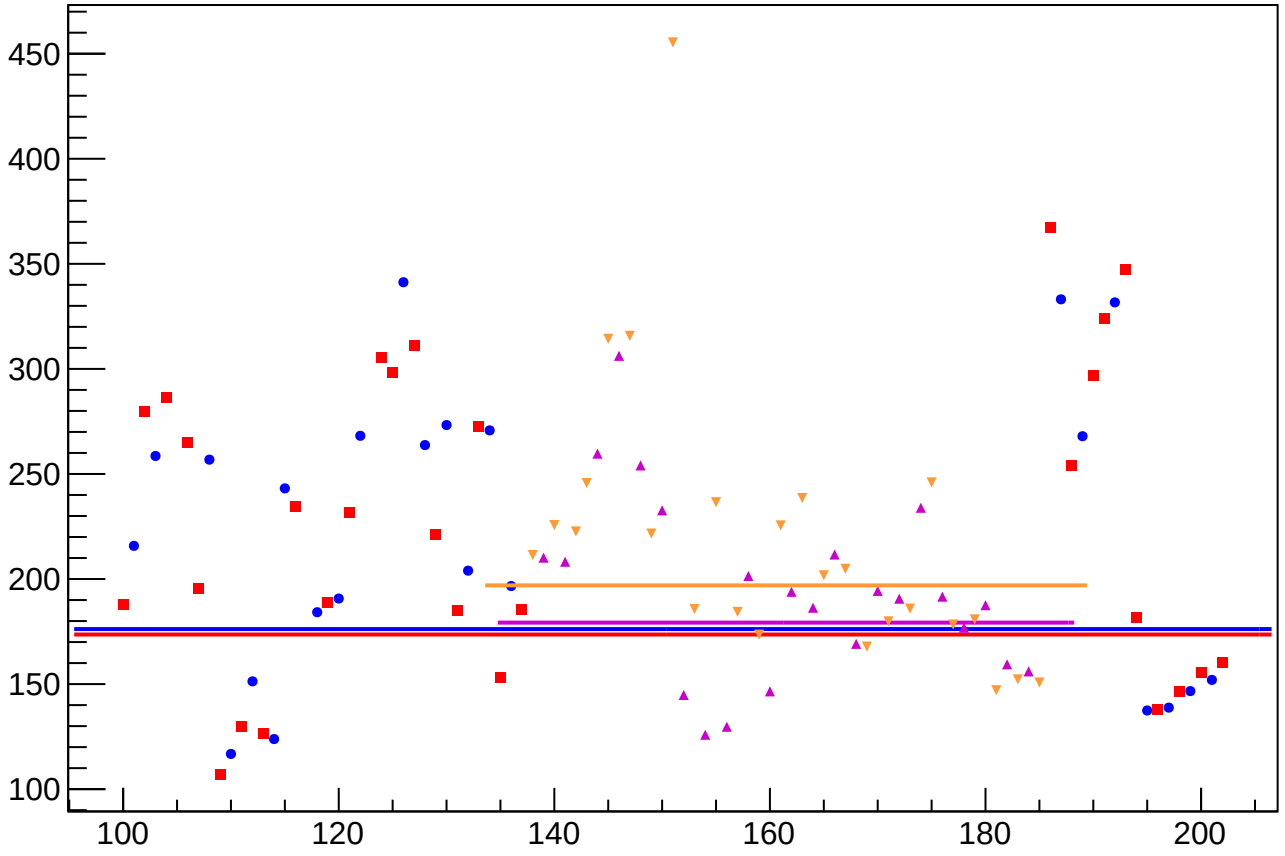
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 34.860+/-34.947 χ^2/NDF: 43.8/47

All: 19.503+/-23.842 χ^2/NDF: 86.9/99

- sign 6.132+/-32.608 χ^2/NDF: 42.8/51

asym_bcm_an_us_rms vs Slug



Right In: 176.181+/-0.038 χ^2/NDF: 2154863.1/22

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

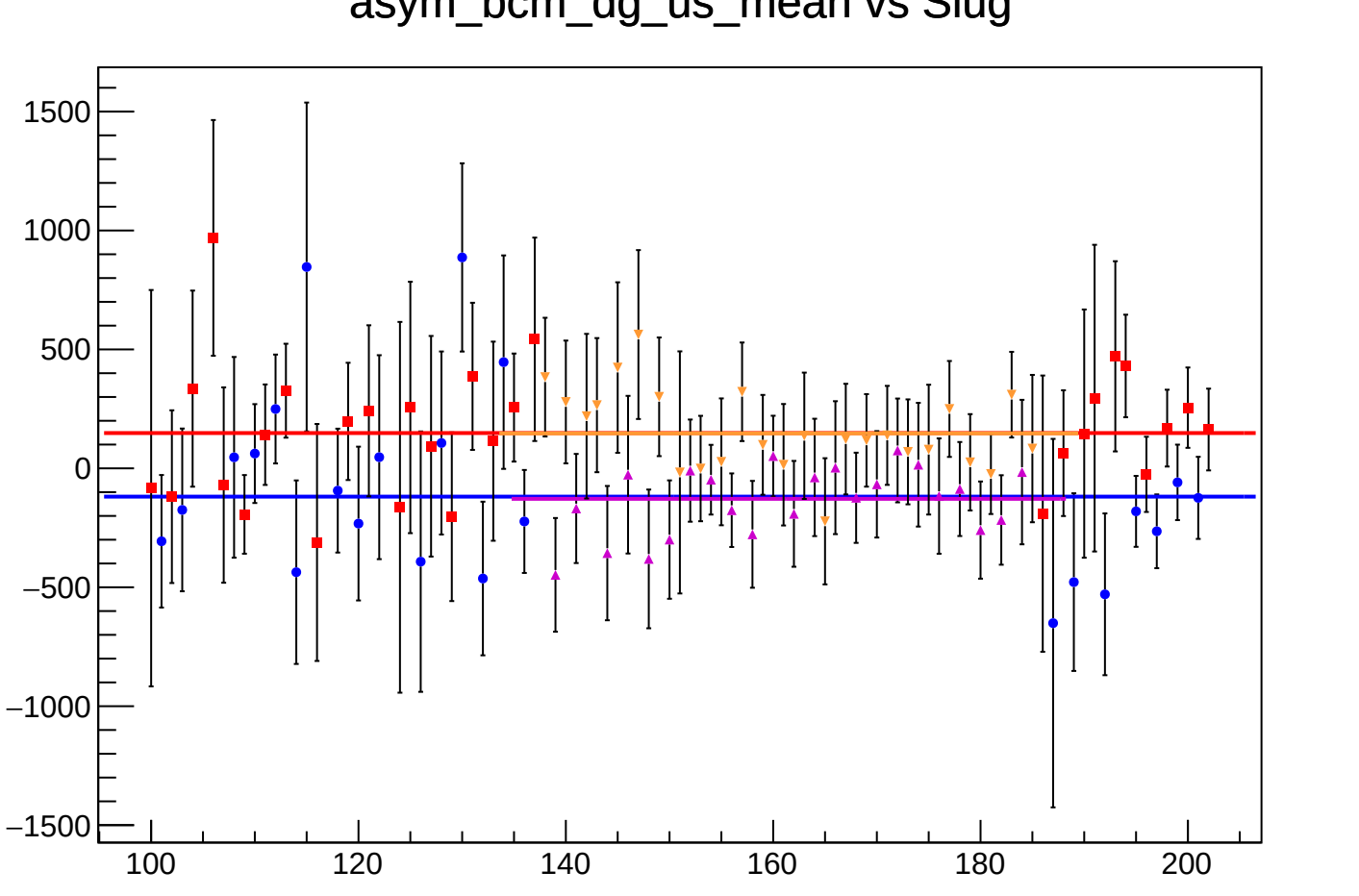
Right Out: 173.596+/-0.035 χ^2/NDF: 2860999.6/28

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 187.967+/-0.025 χ^2/NDF: 4138031.8/47

All: 181.964+/-0.017 χ^2/NDF: 8780355.4/99

- sign 176.736+/-0.023 χ^2/NDF: 4531903.8/51



Right In: -118.923+/-54.427 χ^2/NDF: 21.0/22

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 148.412+/-50.311 χ^2/NDF: 17.3/28

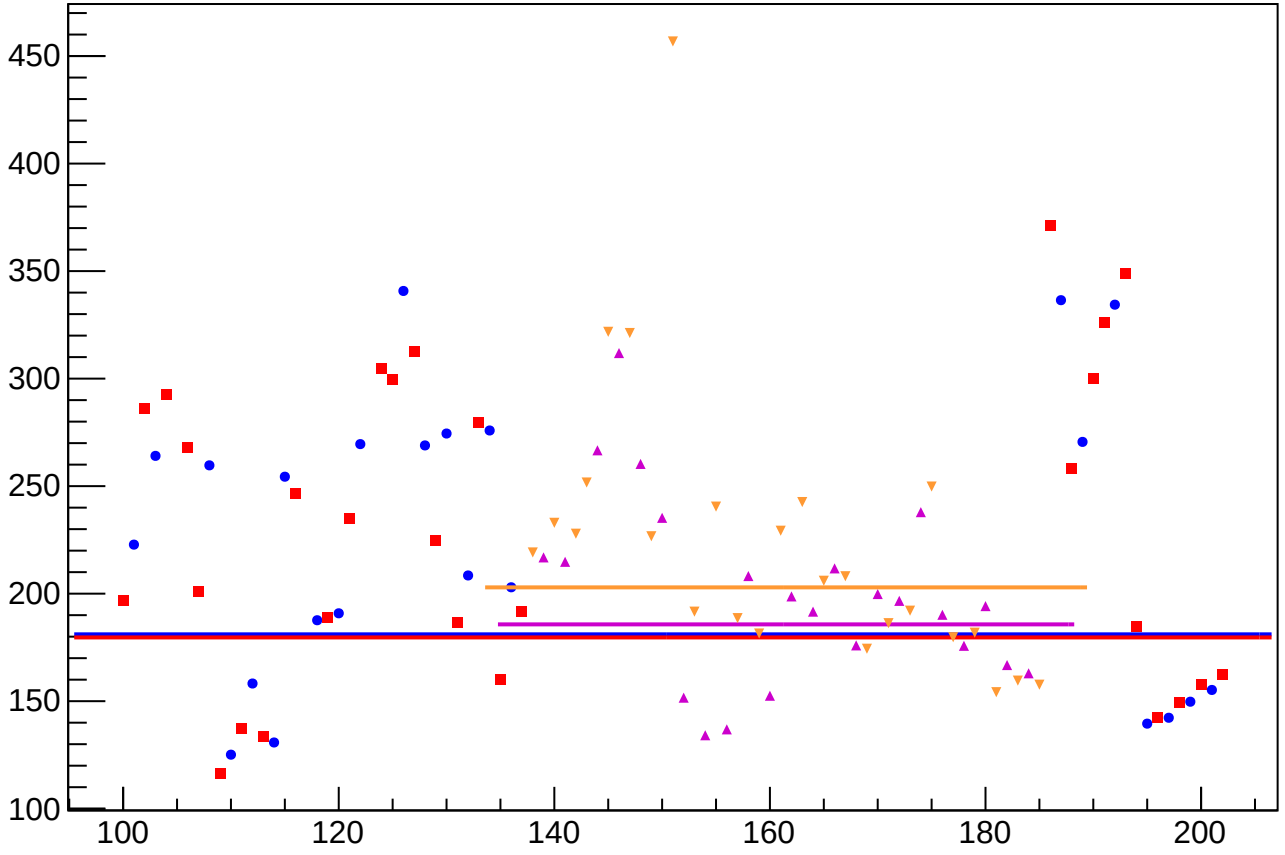
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 31.441+/-35.877 χ^2/NDF: 44.6/47

All: 12.236+/-24.533 χ^2/NDF: 87.7/99

- sign -4.632+/-33.624 χ^2/NDF: 42.5/51

asym_bcm_dg_us_rms vs Slug



Right In: 181.082+/-0.038 χ^2/NDF: 2056670.4/22

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 179.643+/-0.036 χ^2/NDF: 2640658.3/28

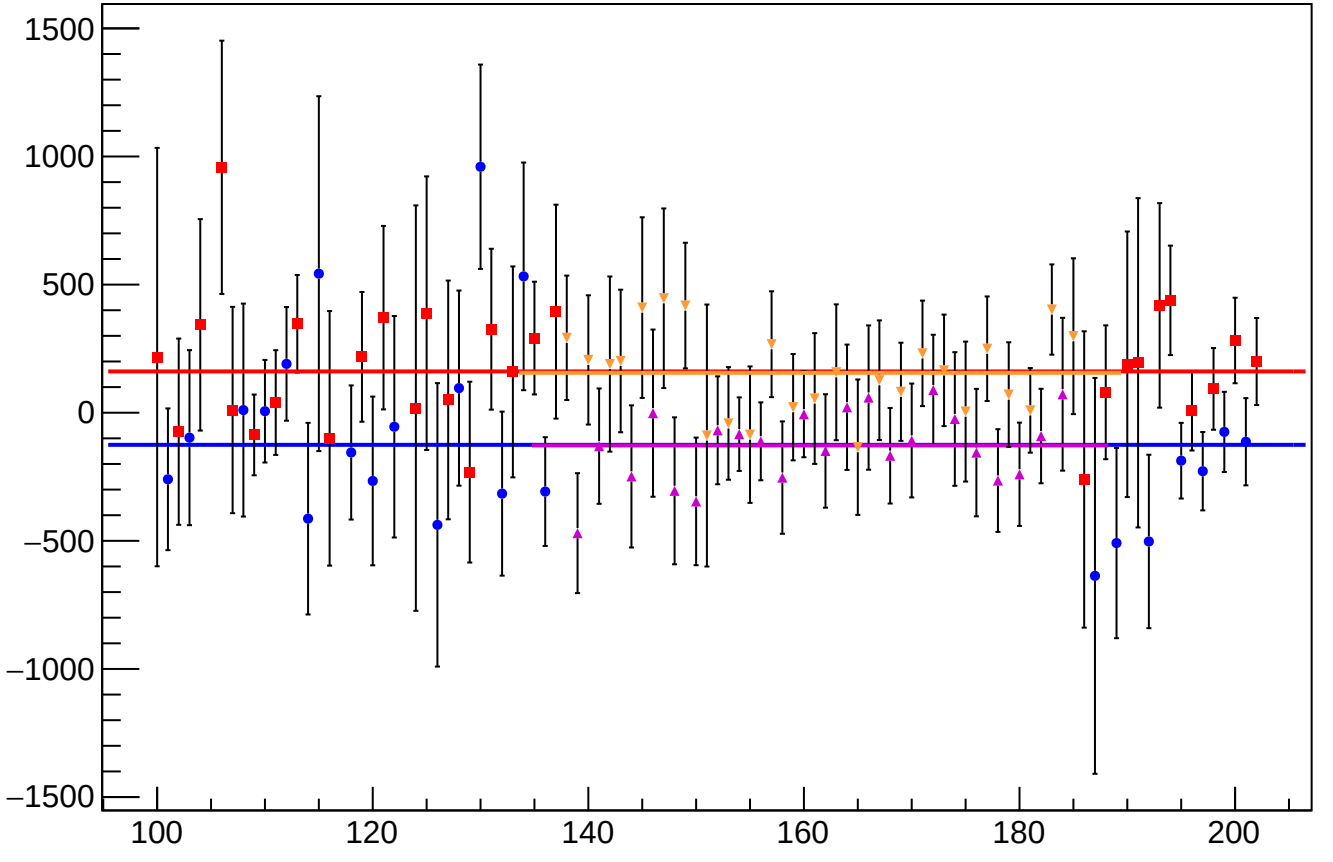
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 193.432+/-0.025 χ^2/NDF: 3938860.6/47

All: 187.880+/-0.017 χ^2/NDF: 8175094.0/99

- sign 183.003+/-0.024 χ^2/NDF: 4146272.4/51

asym_bcm_dg_ds_mean vs Slug



Right In: -125.300+/-53.737 χ^2/NDF: 19.4/22

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 161.166+/-49.492 χ^2/NDF: 14.7/28

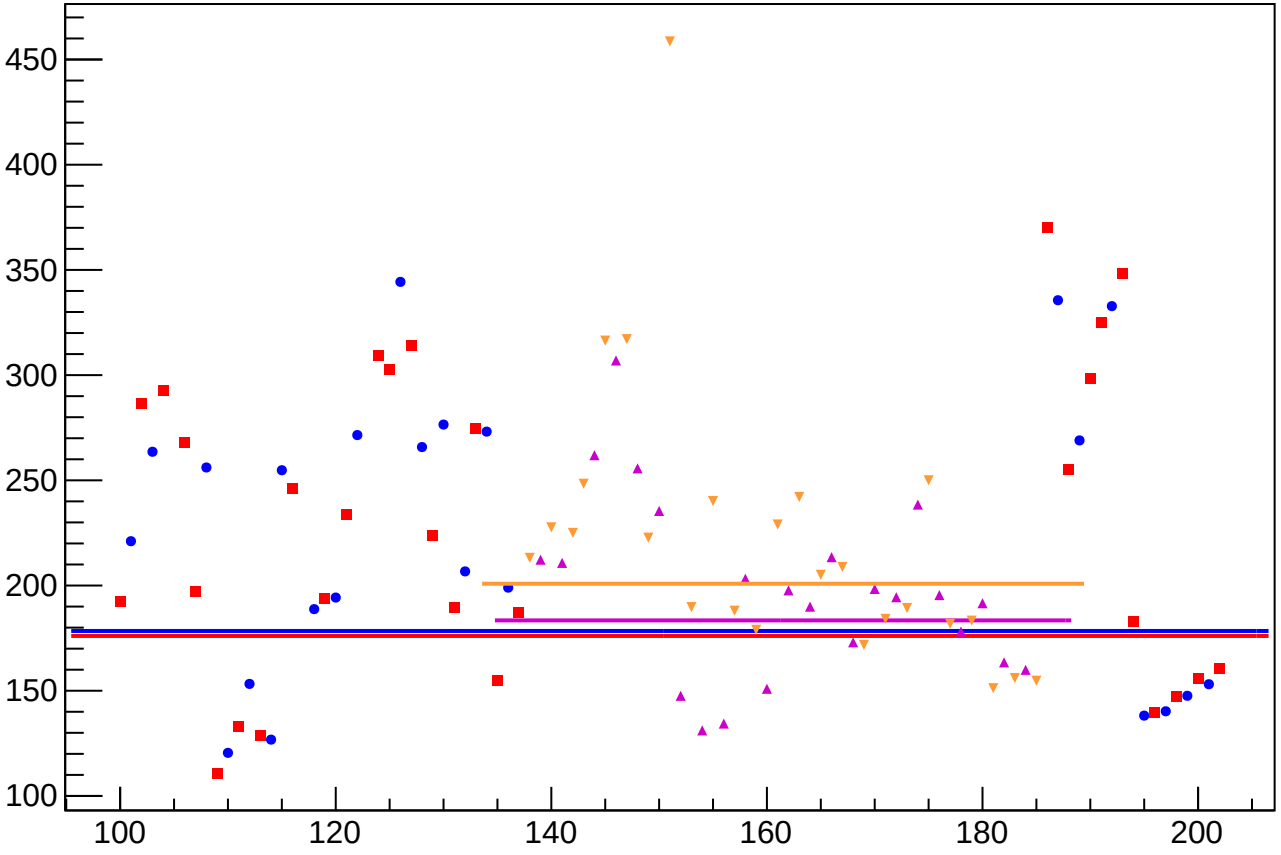
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

\+ sign 33.107+/-35.489 χ^2/NDF: 45.5/47

All: 16.553+/-24.234 χ^2/NDF: 87.3/99

\- sign 2.090+/-33.172 χ^2/NDF: 41.5/51

asym_bcm_dg_ds_rms vs Slug



Right In: 178.406+/-0.038 χ^2/NDF: 2142776.6/22

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 176.044+/-0.035 χ^2/NDF: 2817901.3/28

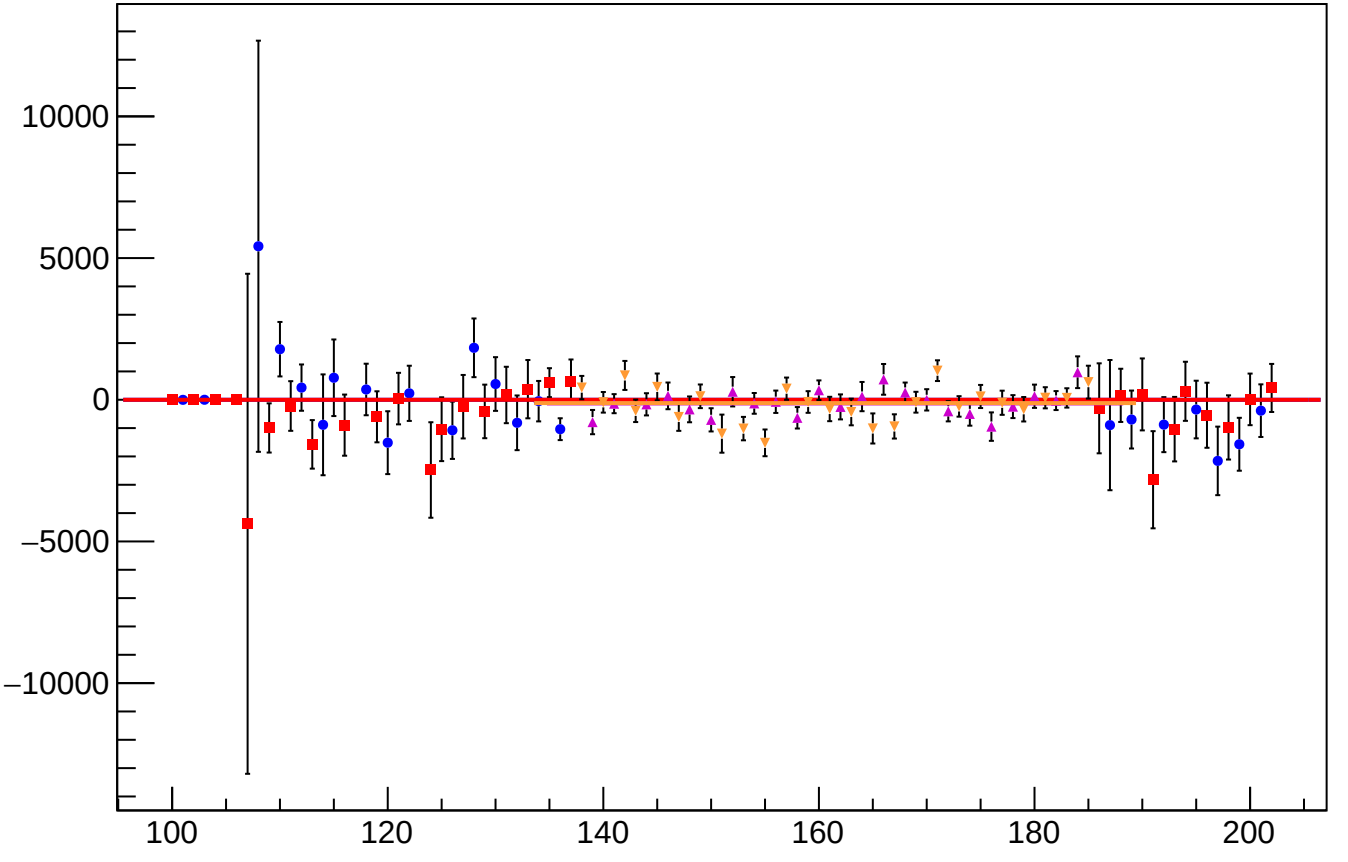
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

\+ sign 191.069+/-0.025 χ^2/NDF: 4067155.1/47

All: 185.222+/-0.017 χ^2/NDF: 8542001.6/99

\- sign 180.114+/-0.023 χ^2/NDF: 4373134.9/51

asym_cav4bQ_mean vs Slug



Right In: -1.266+/-2.171 χ^2/NDF: 27.6/22

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.385+/-2.022 χ^2/NDF: 21.8/28

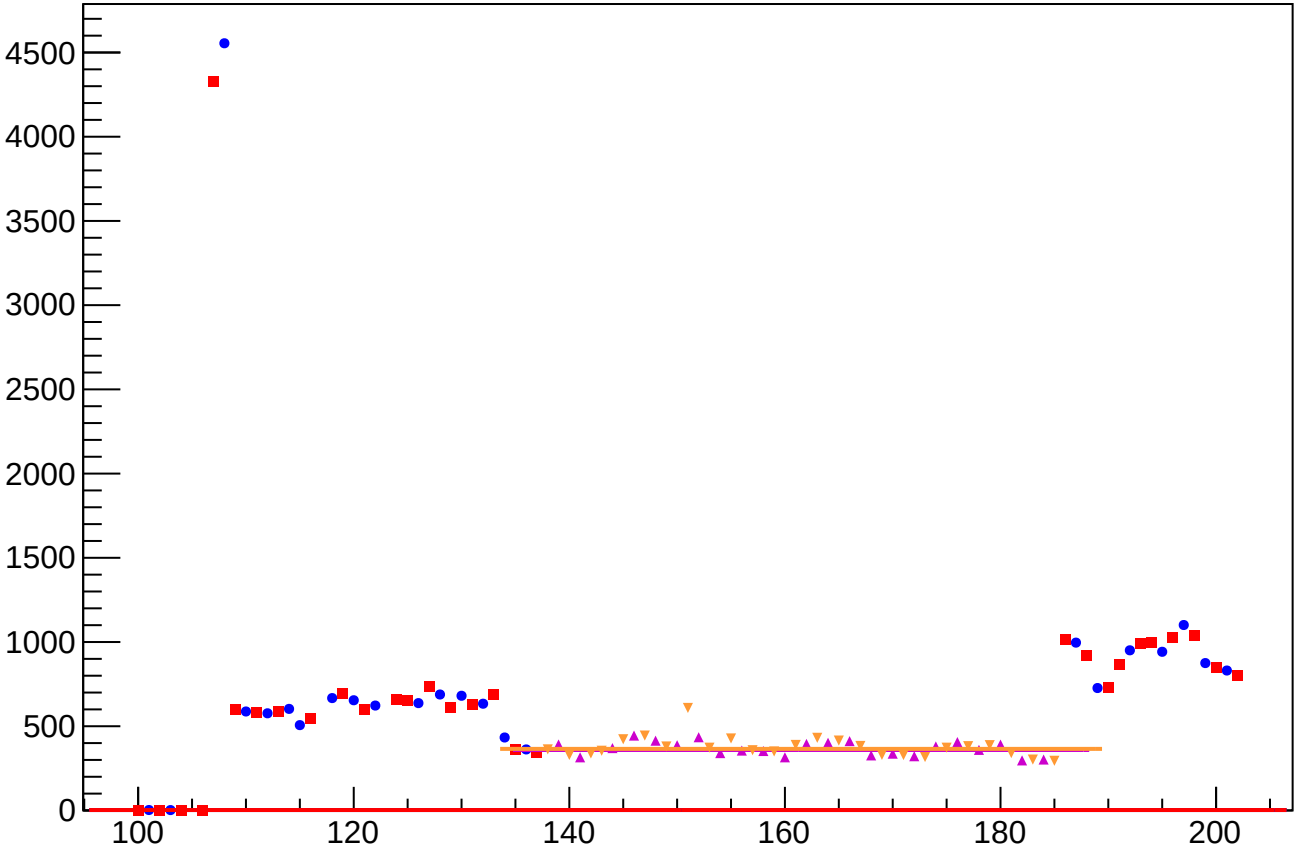
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.344+/-2.170 χ^2/NDF: 75.9/47

All: -1.405+/-1.479 χ^2/NDF: 121.6/99

- sign -1.458+/-2.022 χ^2/NDF: 45.7/51

asym_cav4bQ_rms vs Slug



Right In: 2.503+/-0.002 χ^2/NDF: 21608197.8/22

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.493+/-0.001 χ^2/NDF: 25500076.8/28

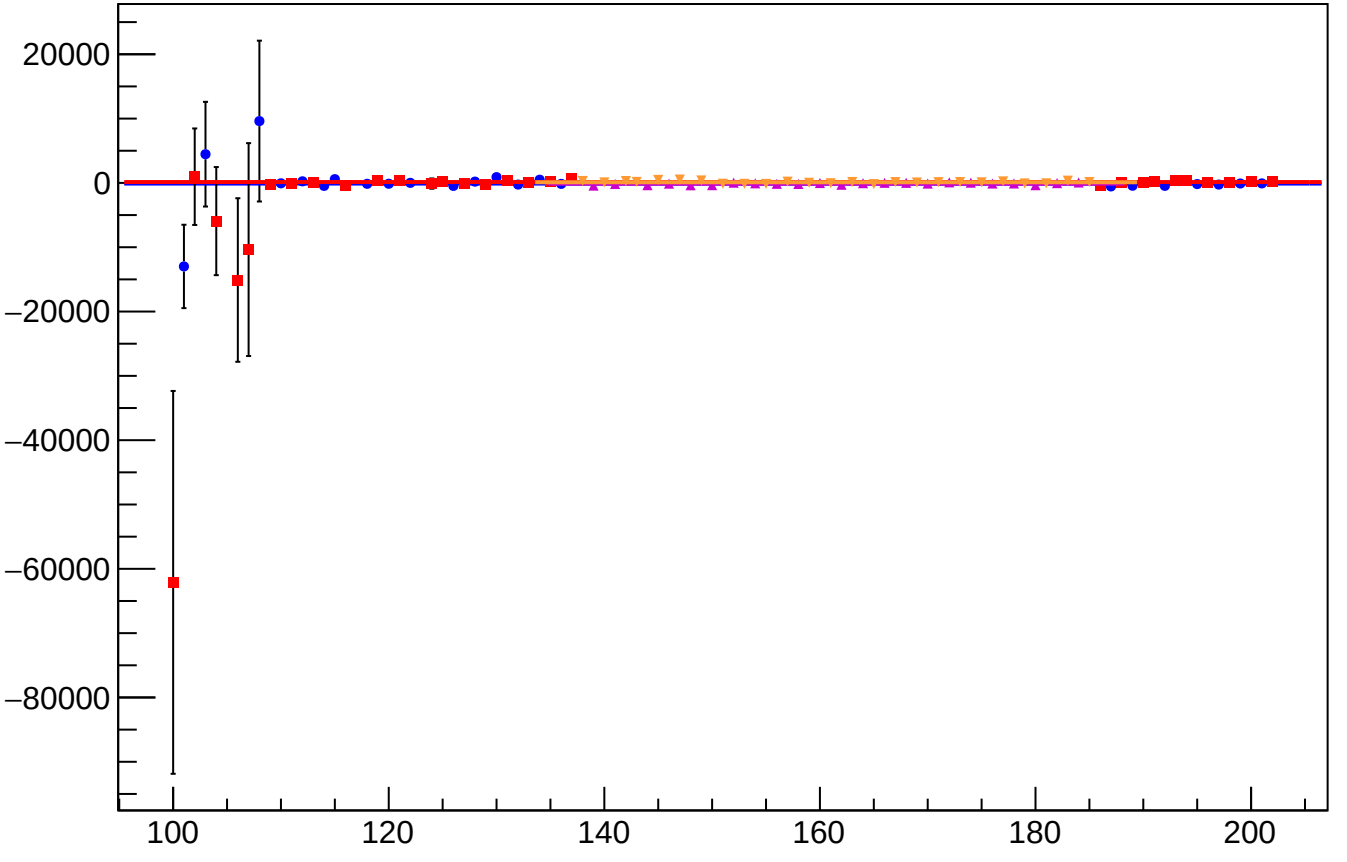
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.744+/-0.002 χ^2/NDF: 59437819.8/47

All: 2.717+/-0.001 χ^2/NDF: 120490458.6/99

- sign 2.695+/-0.001 χ^2/NDF: 61052086.2/51

asym_cav4cQ_mean vs Slug



Right In: -102.360+/-59.275 χ^2/NDF: 21.5/22

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 134.763+/-55.251 χ^2/NDF: 18.3/28

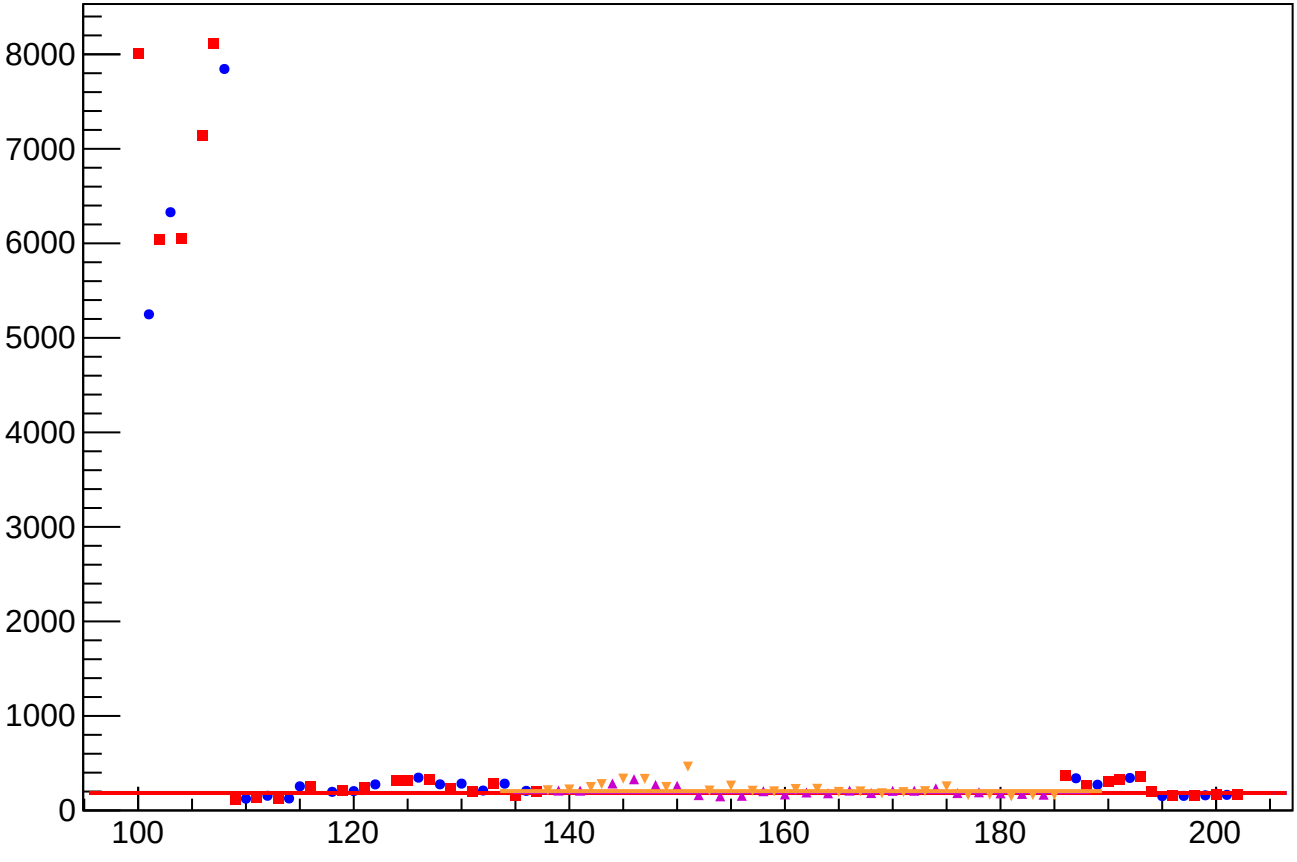
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 19.113+/-37.420 χ^2/NDF: 41.2/47

All: 2.454+/-25.861 χ^2/NDF: 81.5/99

- sign -12.777+/-35.780 χ^2/NDF: 39.9/51

asym_cav4cQ_rms vs Slug



Right In: 184.903+/-0.042 χ^2/NDF: 4817929.8/22

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 184.763+/-0.039 χ^2/NDF: 5501848.3/28

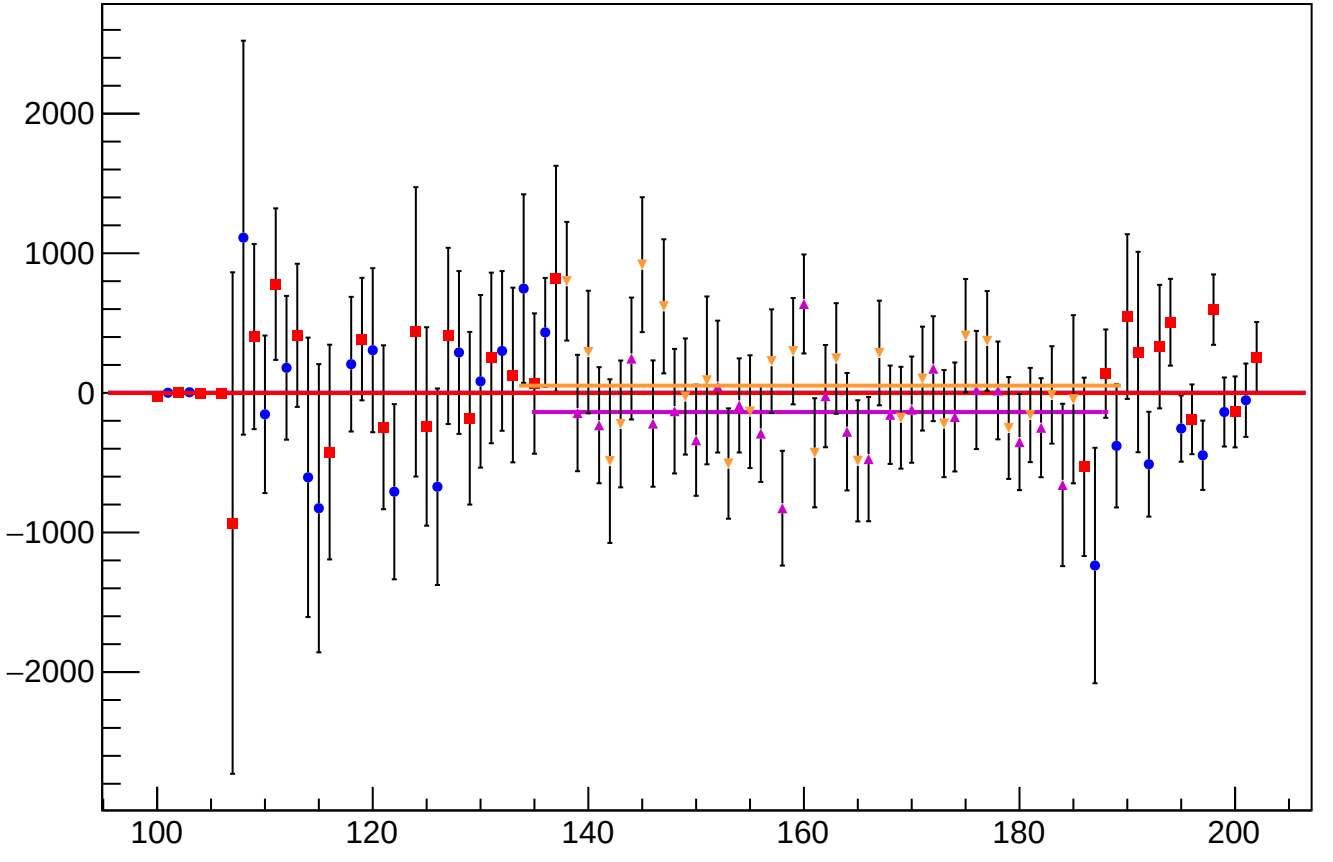
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 196.739+/-0.026 χ^2/NDF: 6925625.6/47

All: 193.253+/-0.018 χ^2/NDF: 13684018.3/99

- sign 190.065+/-0.025 χ^2/NDF: 6725164.3/51

asym_cav4dQ_mean vs Slug



Right In: 1.394+/-1.660 χ^2/NDF: 17.4/22

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.053+/-1.528 χ^2/NDF: 21.7/28

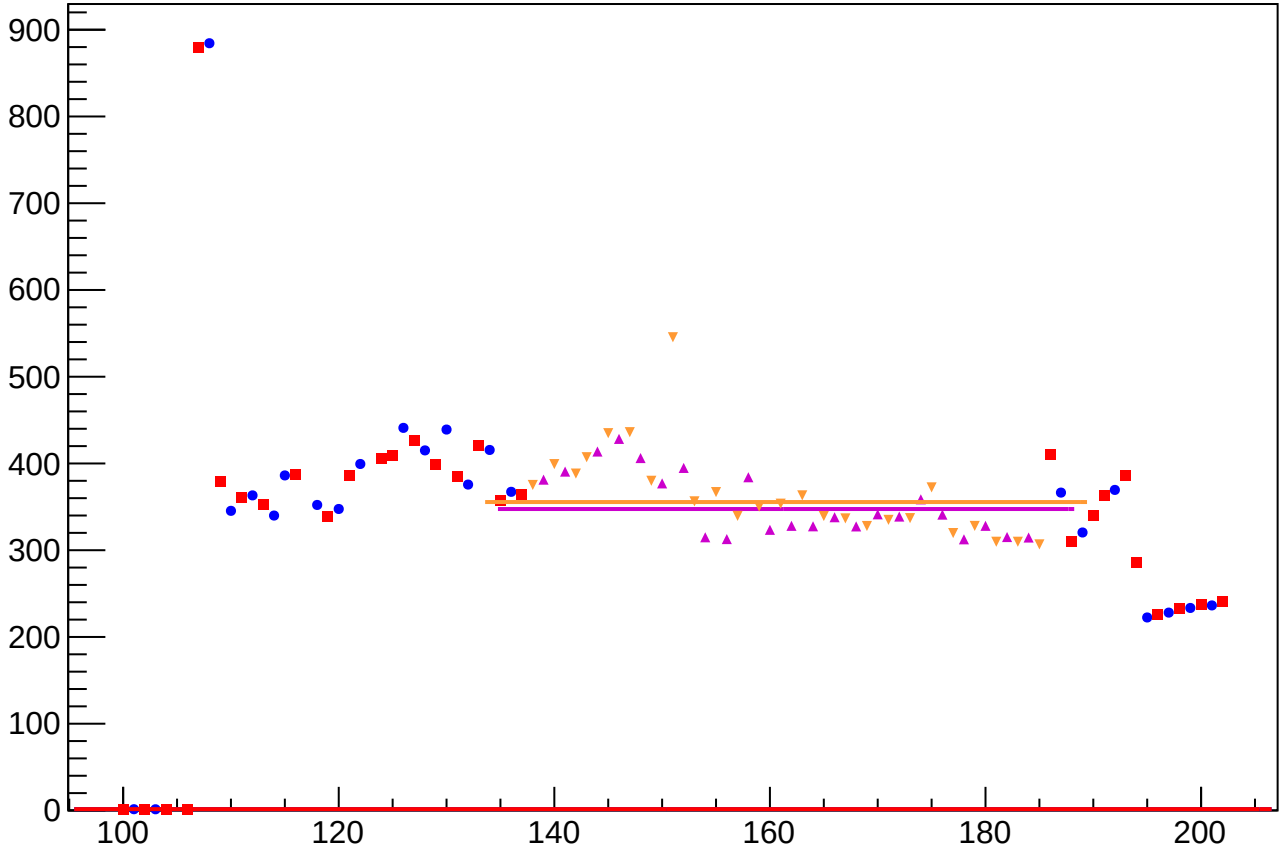
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.415+/-1.660 χ^2/NDF: 37.3/47

All: 0.053+/-1.124 χ^2/NDF: 75.2/99

- sign -1.100+/-1.527 χ^2/NDF: 36.7/51

asym_cav4dQ_rms vs Slug



Right In: 1.524+/-0.001 χ^2/NDF: 21830998.4/22

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.526+/-0.001 χ^2/NDF: 25136026.7/28

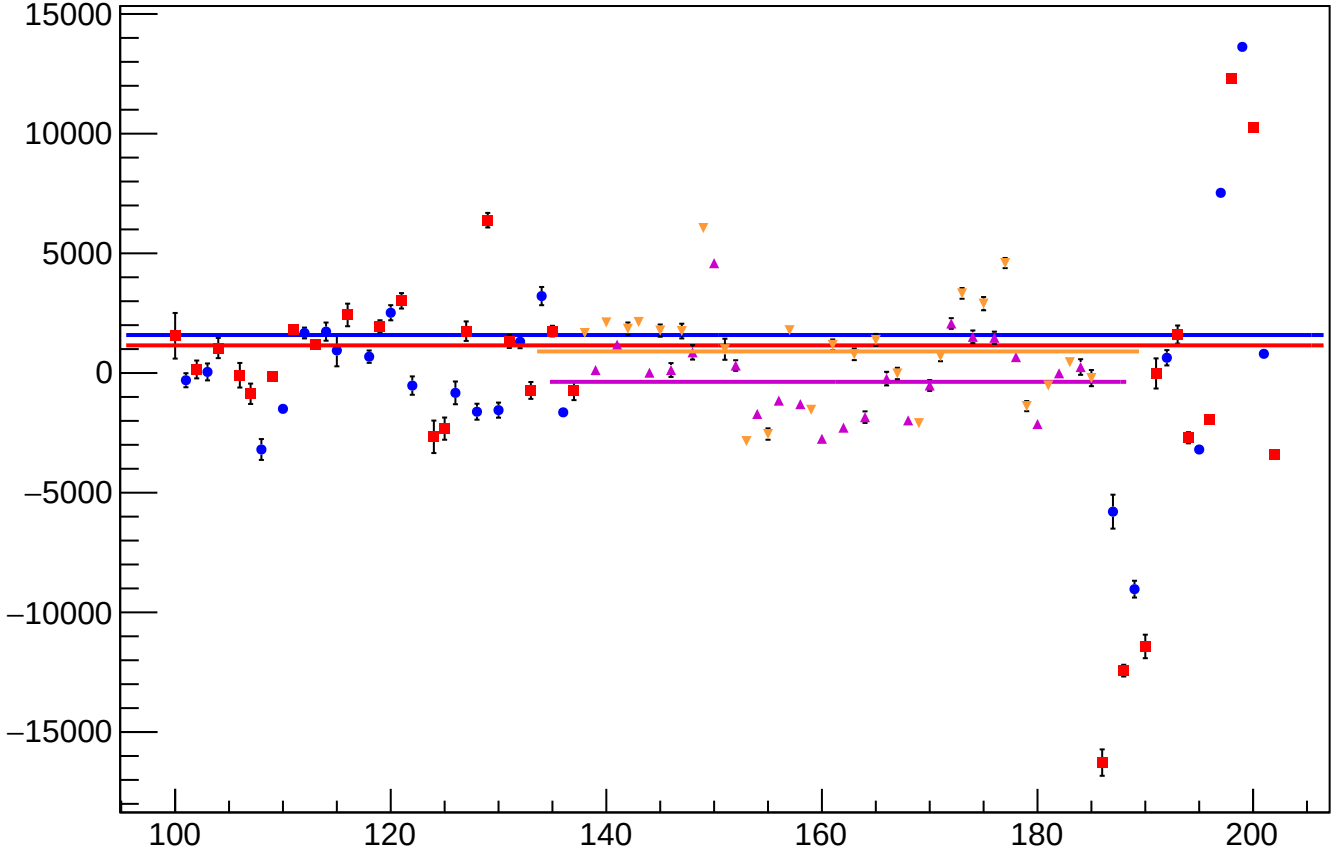
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.671+/-0.001 χ^2/NDF: 60028795.2/47

All: 1.657+/-0.001 χ^2/NDF: 121001095.7/99

- sign 1.646+/-0.001 χ^2/NDF: 60972056.6/51

asym_bcm0l02_mean vs Slug



Right In: 1587.184+/-55.469 χ^2/NDF: 8610.1/22

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 1154.857+/-51.017 χ^2/NDF: 12932.9/28

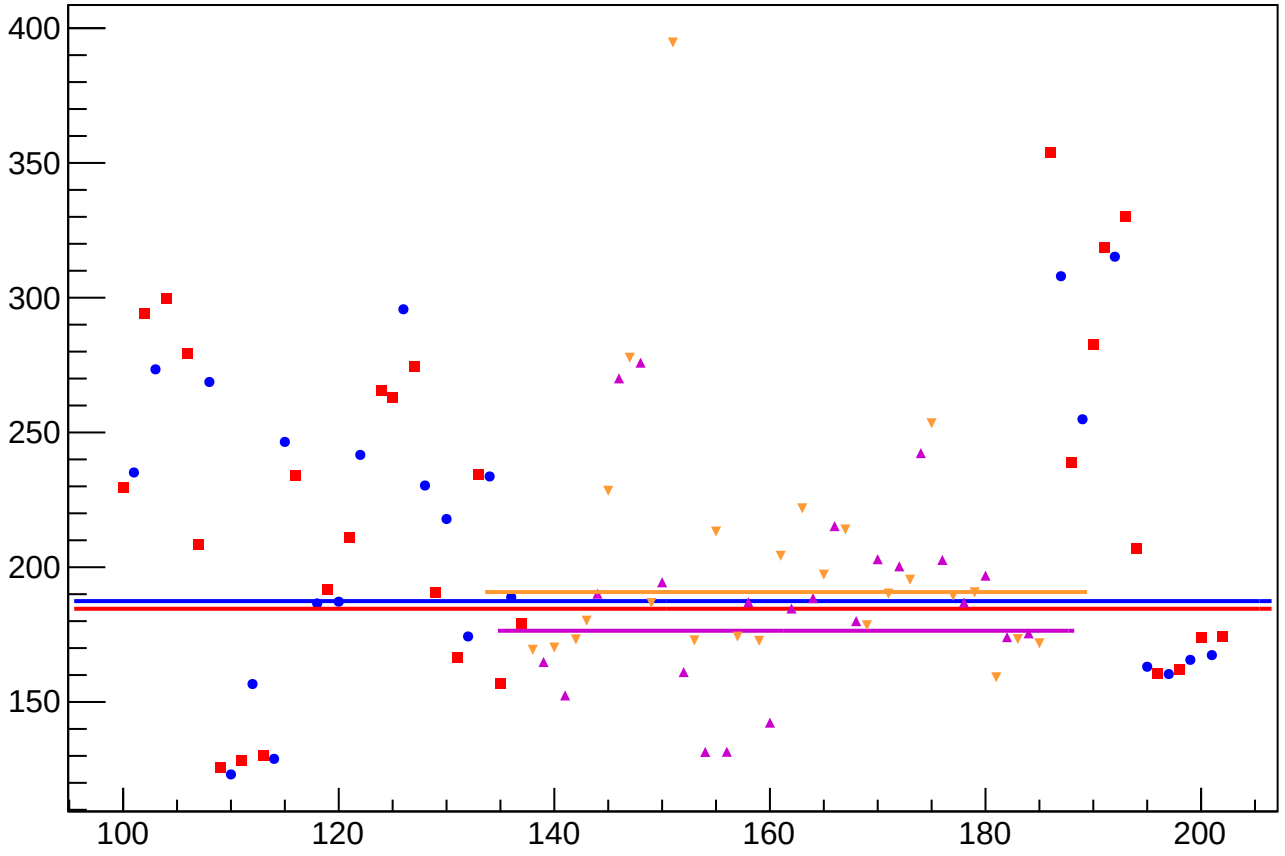
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 1169.851+/-34.701 χ^2/NDF: 11114.1/47

All: 688.108+/-23.816 χ^2/NDF: 26528.4/99

- sign 259.174+/-32.744 χ^2/NDF: 15050.1/51

asym_bcm0l02_rms vs Slug



Right In: 187.430+/-0.039 χ^2/NDF: 1359286.2/22

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 184.589+/-0.036 χ^2/NDF: 2102112.0/28

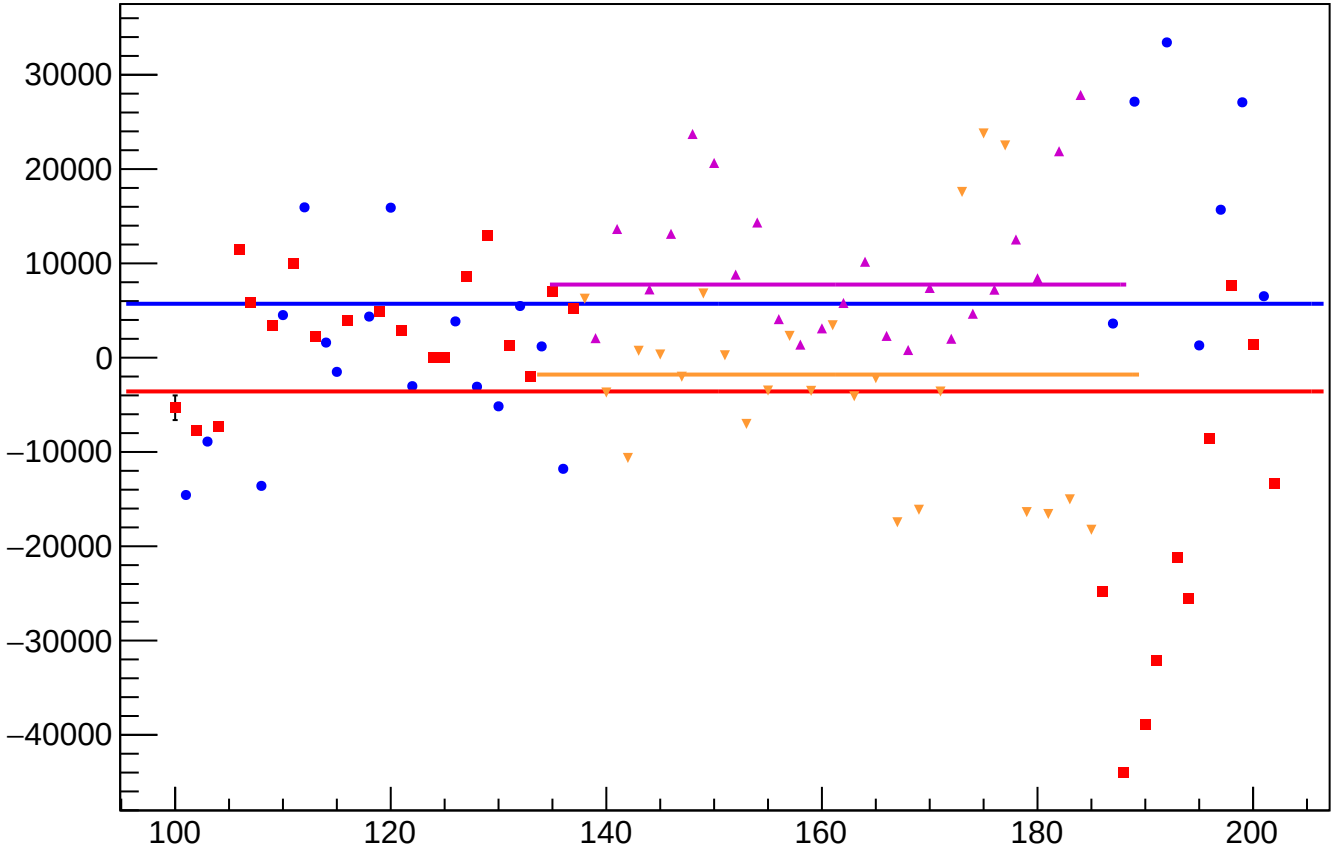
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 189.482+/-0.025 χ^2/NDF: 2383380.2/47

All: 184.356+/-0.017 χ^2/NDF: 5855717.8/99

- sign 179.792+/-0.023 χ^2/NDF: 3389845.7/51

asym_bpm0i02WS_mean vs Slug



Right In: 5716.885+/-44.476 χ^2/NDF: 88179.3/22

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3579.838+/-41.172 χ^2/NDF: 135638.5/28

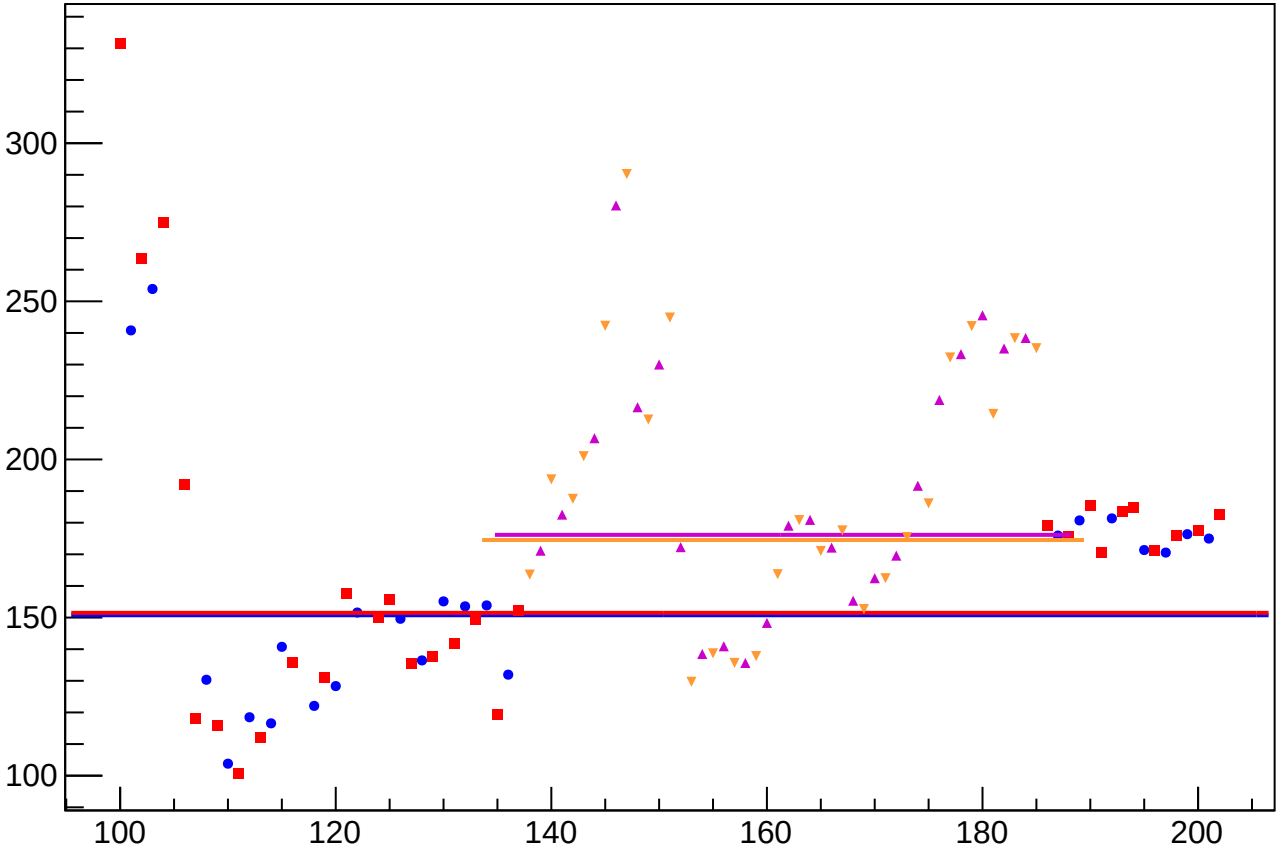
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1650.352+/-30.109 χ^2/NDF: 169358.4/47

All: 1776.293+/-21.106 χ^2/NDF: 364936.5/99

- sign 1897.969+/-29.595 χ^2/NDF: 195543.7/51

asym_bpm0i02WS_rms vs Slug



Right In: 150.732+/-0.031 χ^2/NDF: 964358.5/22

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 151.496+/-0.029 χ^2/NDF: 1418465.5/28

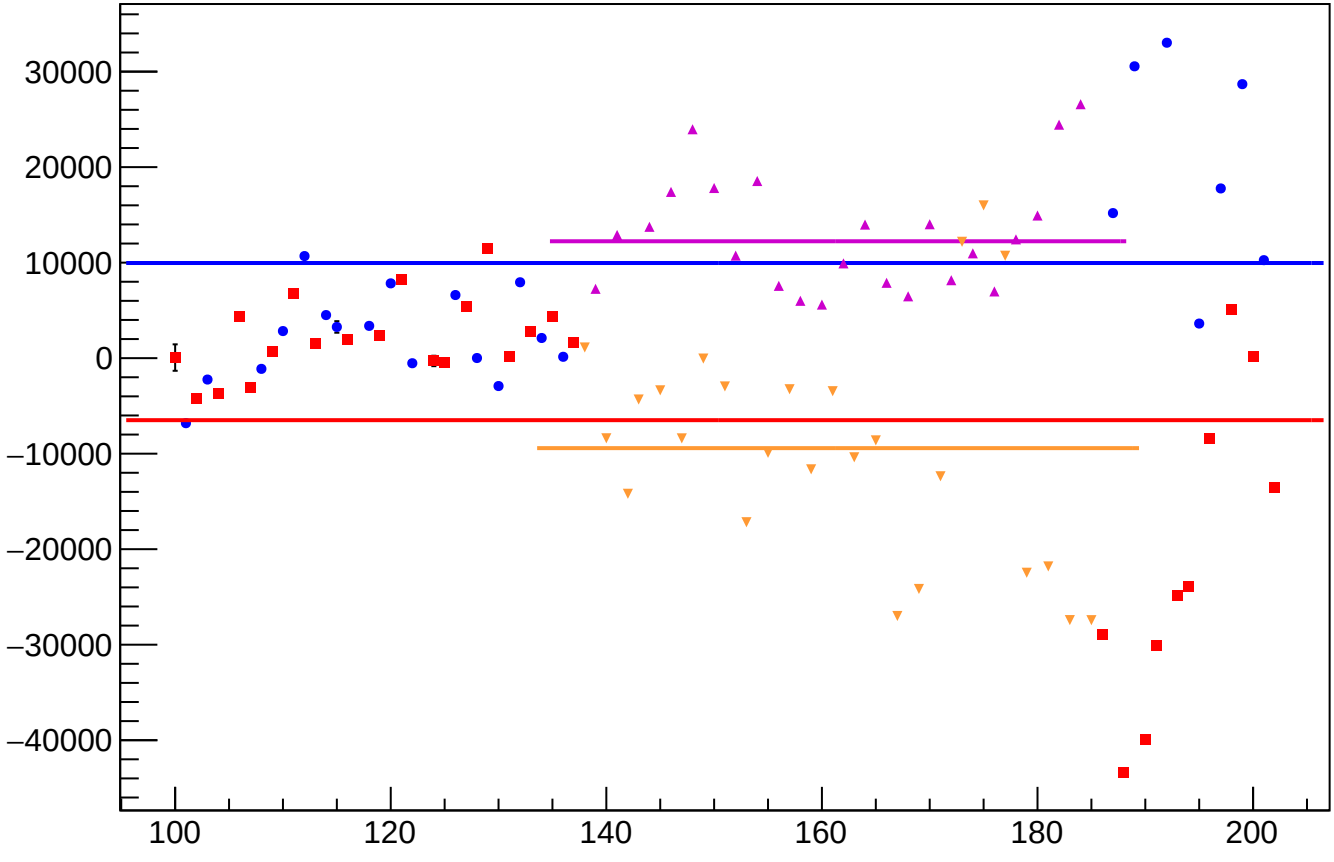
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 163.618+/-0.021 χ^2/NDF: 2933763.8/47

All: 163.514+/-0.015 χ^2/NDF: 6066058.0/99

- sign 163.413+/-0.021 χ^2/NDF: 3132247.2/51

asym_bpm0i02aWS_mean vs Slug



Right In: 9961.689+/-51.637 χ^2/NDF: 48092.3/22

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6492.500+/-46.913 χ^2/NDF: 104922.7/28

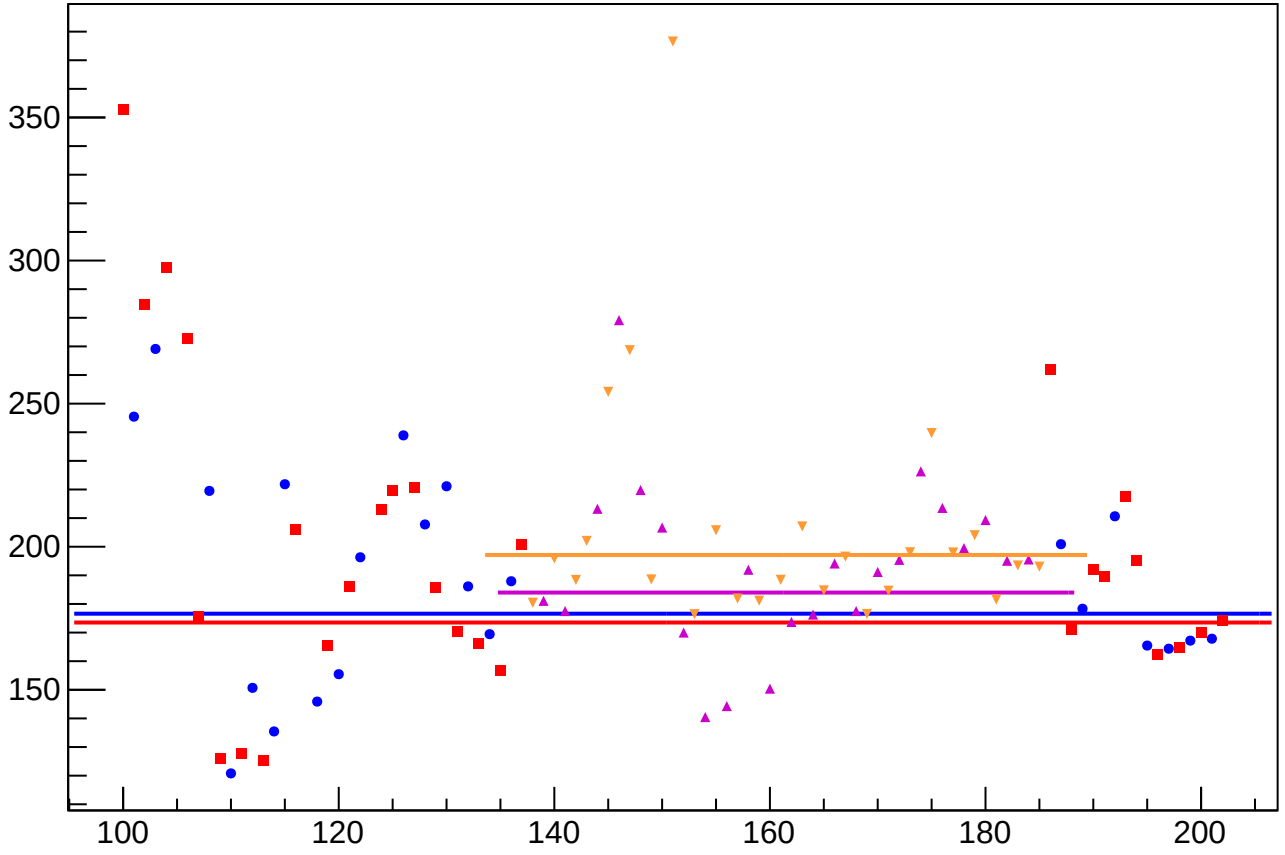
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -907.400+/-34.221 χ^2/NDF: 191819.9/47

All: 1396.048+/-23.439 χ^2/NDF: 405753.7/99

- sign 3431.476+/-32.169 χ^2/NDF: 205399.5/51

asym_bpm0i02aWS_rms vs Slug



Right In: 176.598+/-0.037 χ^2/NDF: 759488.6/22

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.516+/-0.033 χ^2/NDF: 1193304.1/28

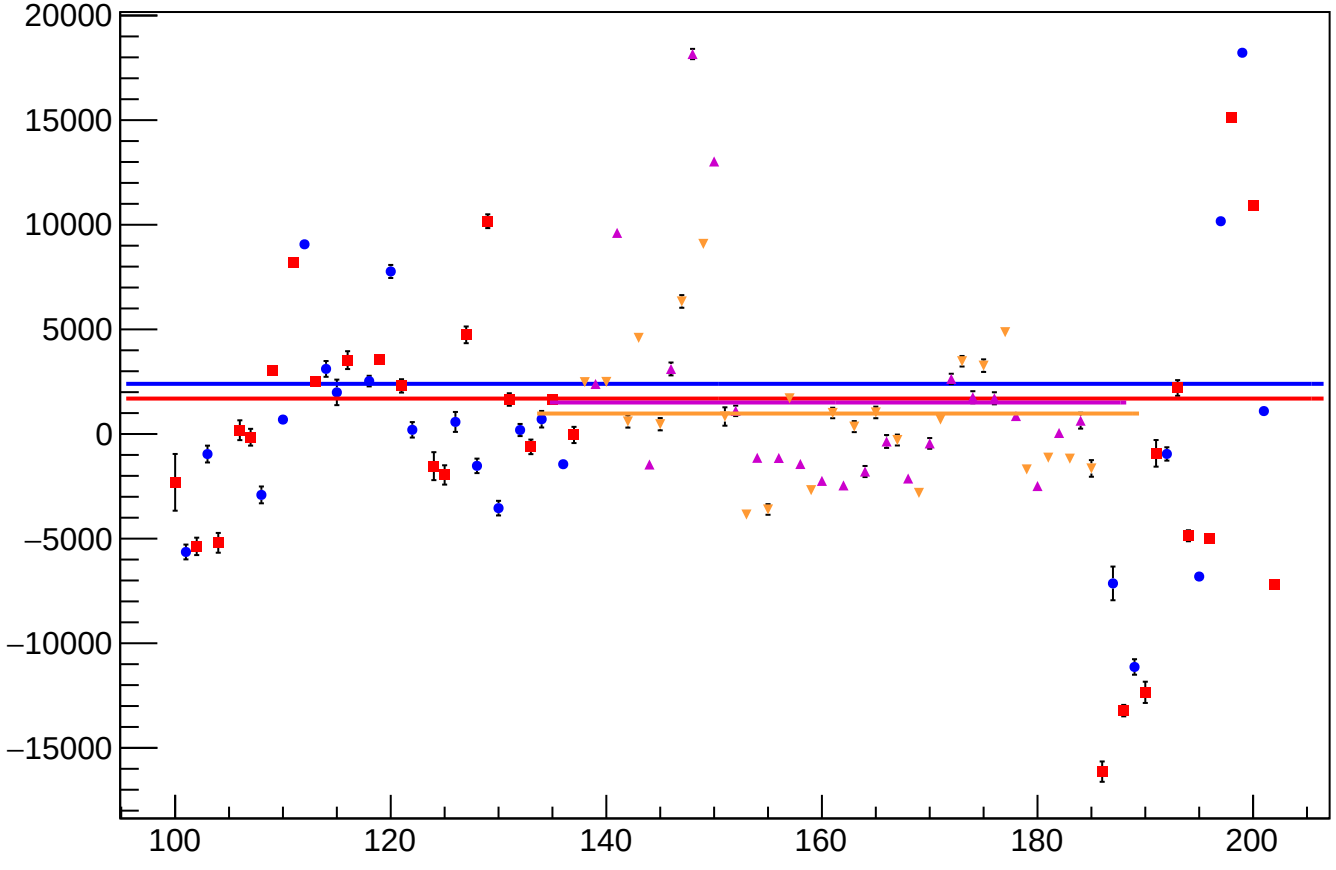
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.108+/-0.024 χ^2/NDF: 1669214.3/47

All: 183.306+/-0.017 χ^2/NDF: 3819248.9/99

- sign 179.063+/-0.023 χ^2/NDF: 2075857.6/51

asym_bpm0i05WS_mean vs Slug



Right In: 2397.835+/-58.149 χ^2/NDF: 14986.5/22

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1693.670+/-53.091 χ^2/NDF: 18208.0/28

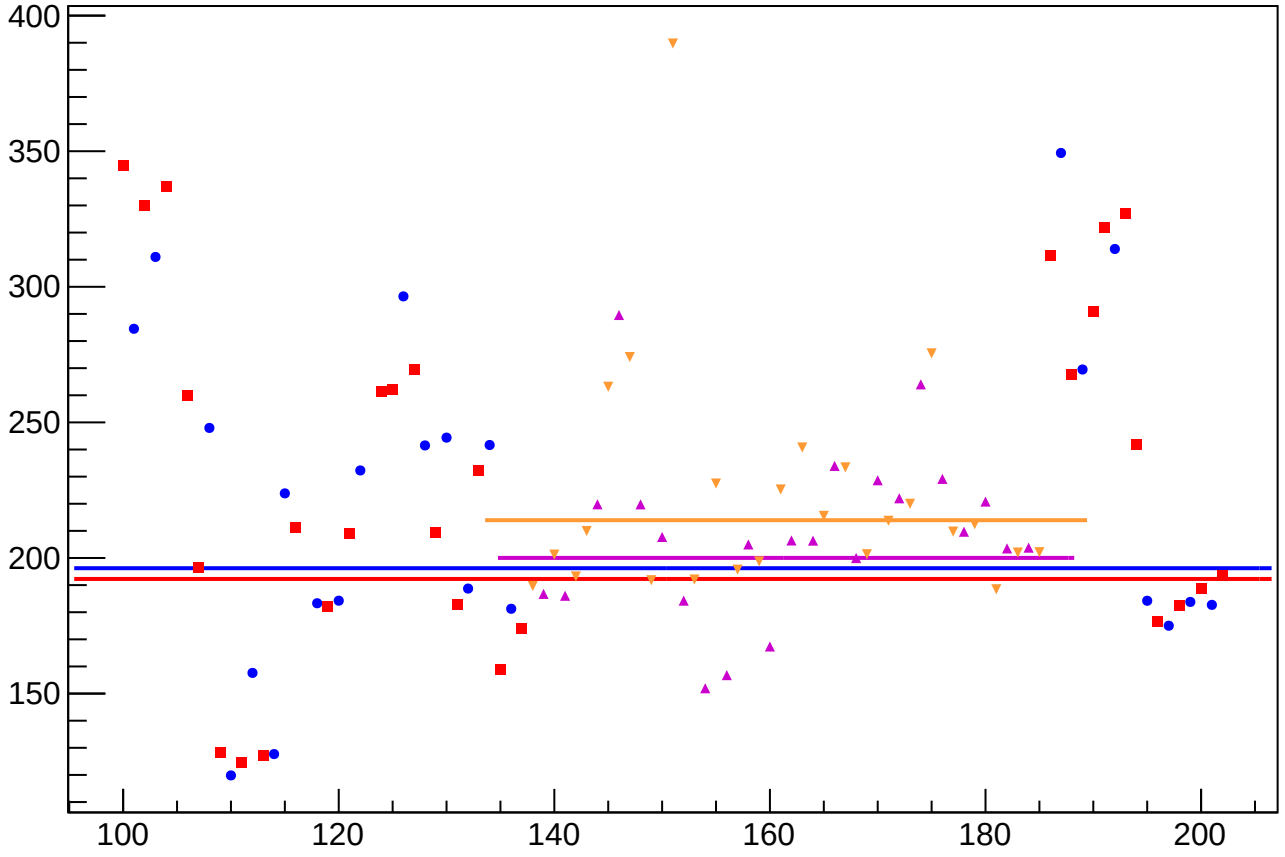
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

\+ sign 1576.310+/-37.740 χ^2/NDF: 19654.2/47

All: 1583.553+/-25.906 χ^2/NDF: 49349.9/99

\- sign 1590.007+/-35.626 χ^2/NDF: 29695.5/51

asym_bpm0i05WS_rms vs Slug



Right In: 196.231+/-0.041 χ^2/NDF: 1439003.5/22

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.267+/-0.038 χ^2/NDF: 2233721.8/28

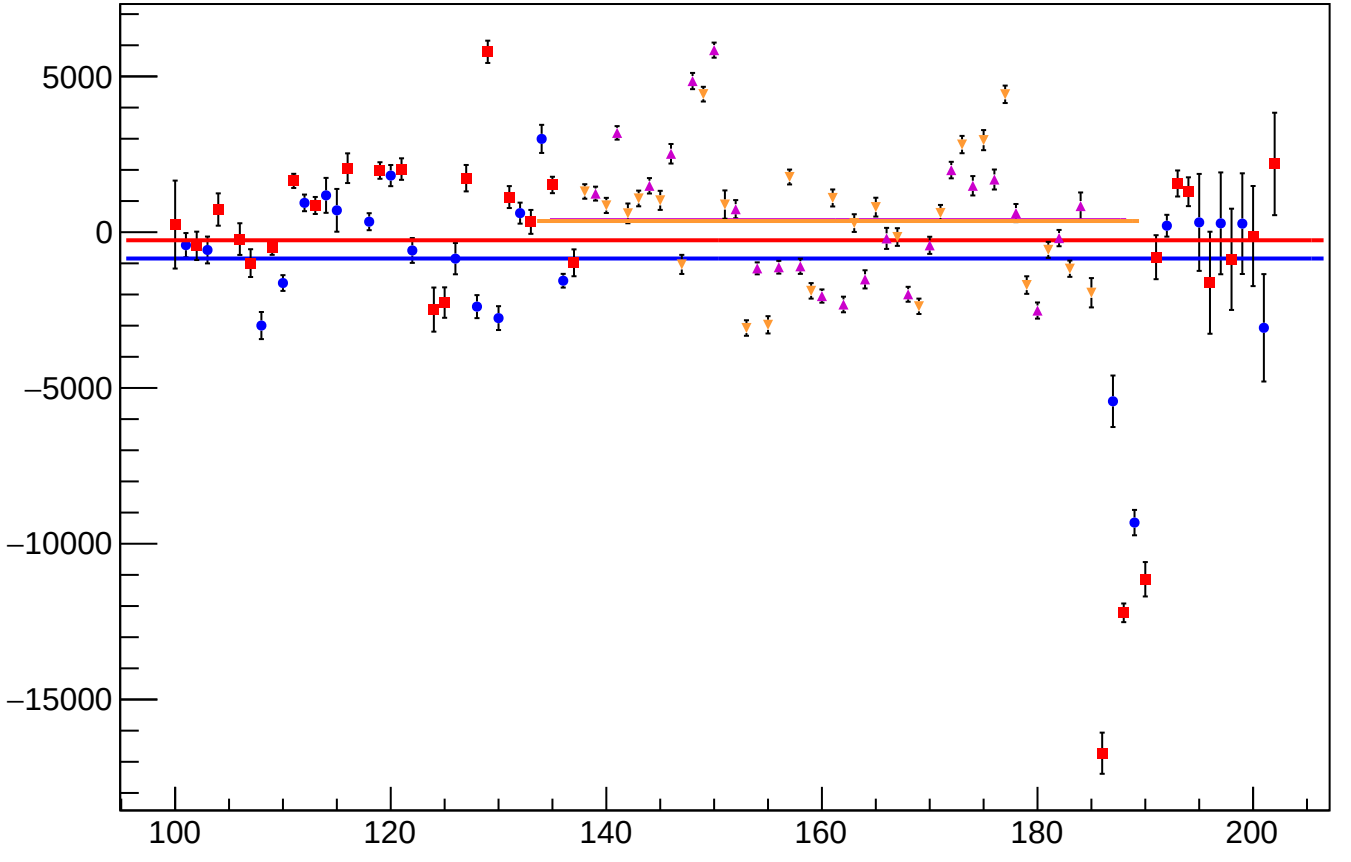
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.475+/-0.027 χ^2/NDF: 2279897.0/47

All: 201.219+/-0.018 χ^2/NDF: 5396033.5/99

- sign 196.535+/-0.025 χ^2/NDF: 3042759.3/51

asym_bpm0i07WS_mean vs Slug



Right In: -844.895+/-81.586 χ^2/NDF: 799.4/22

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -259.235+/-73.873 χ^2/NDF: 3271.1/28

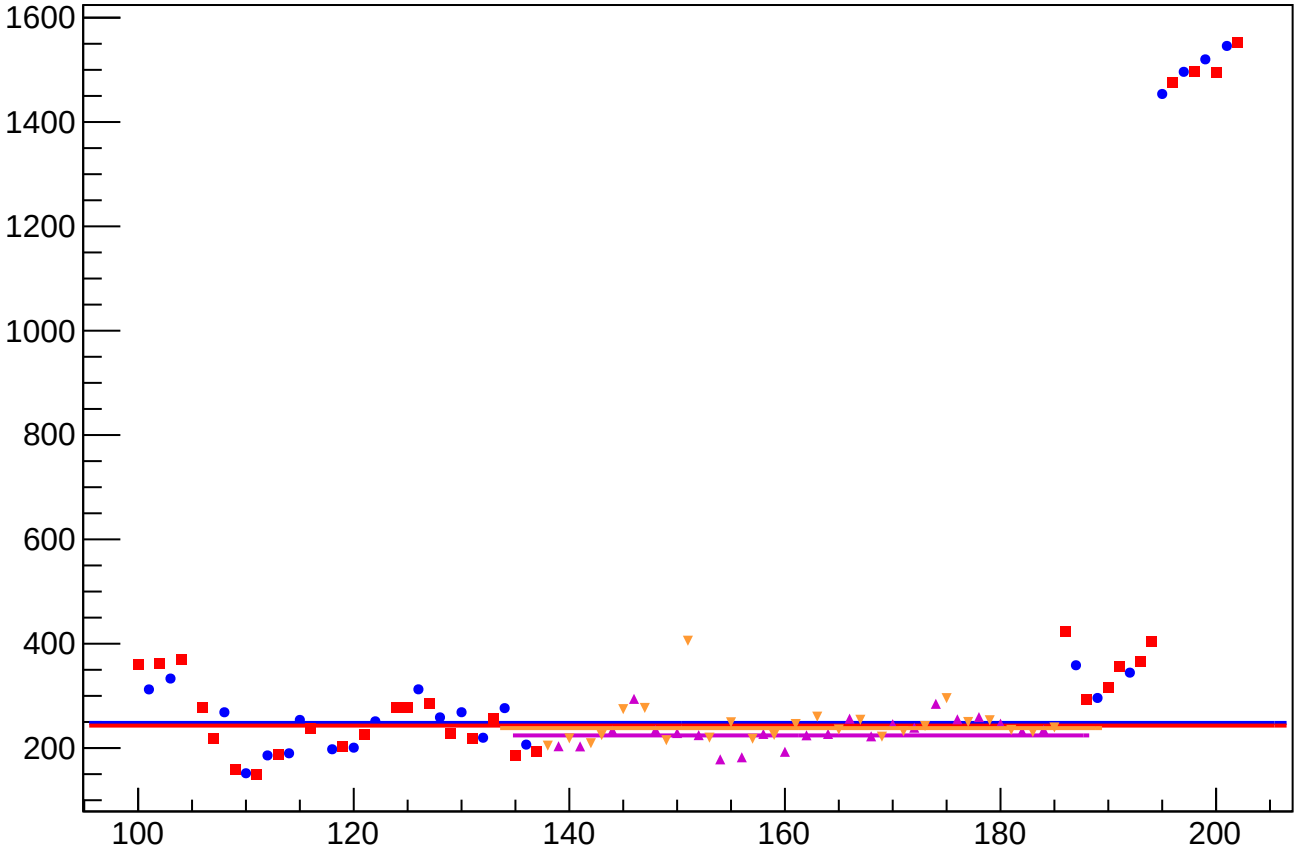
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -17.309+/-45.600 χ^2/NDF: 2368.0/47

All: 78.188+/-31.417 χ^2/NDF: 7501.7/99

- sign 164.475+/-43.345 χ^2/NDF: 5125.4/51

asym_bpm0i07WS_rms vs Slug



Right In: 248.165+/-0.058 χ^2/NDF: 5753751.7/22

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 243.033+/-0.052 χ^2/NDF: 6748615.2/28

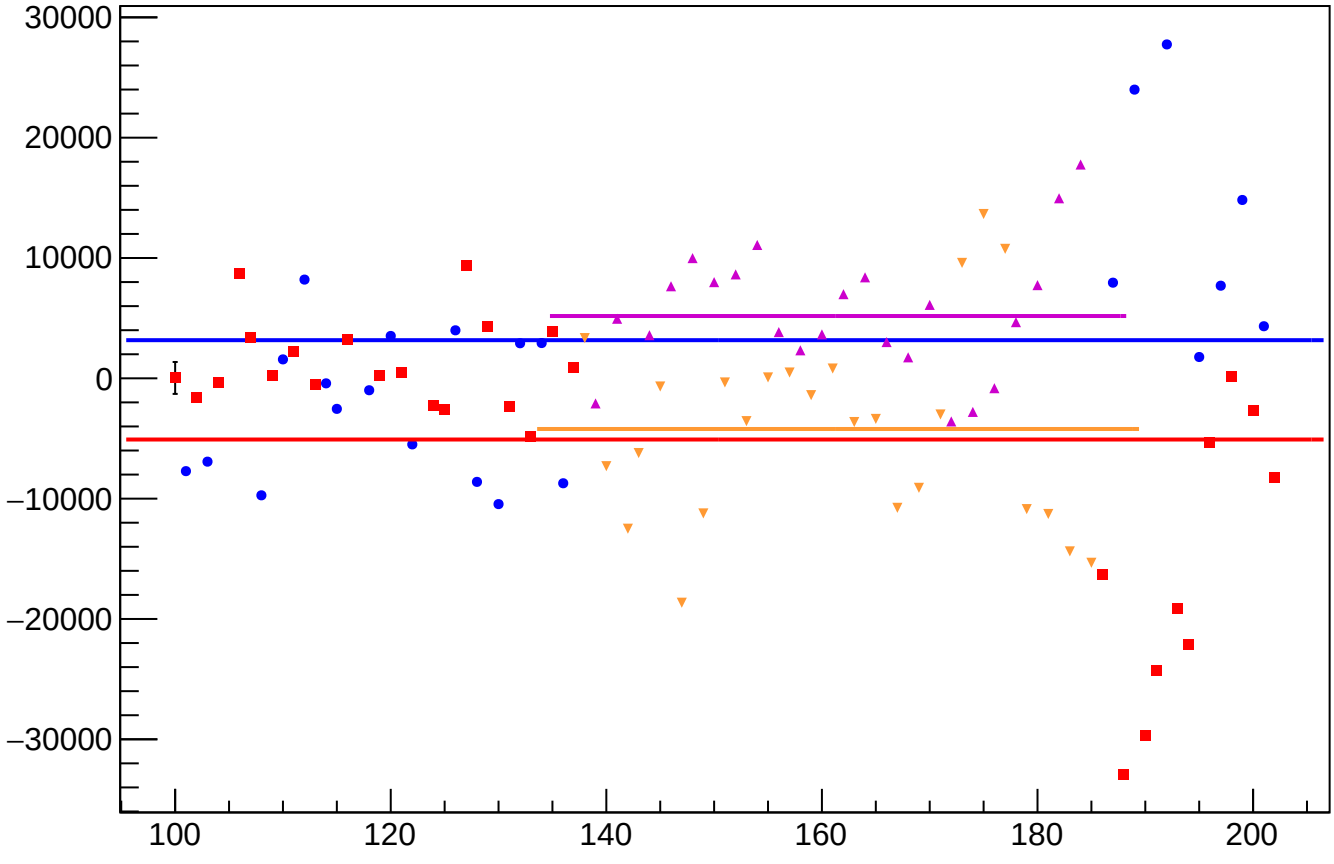
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 241.313+/-0.032 χ^2/NDF: 6342208.2/47

All: 235.733+/-0.022 χ^2/NDF: 13796177.2/99

- sign 230.692+/-0.031 χ^2/NDF: 7396969.7/51

asym_bpm1i02WS_mean vs Slug



Right In: 3170.576+/-37.749 χ^2/NDF: 75667.9/22

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5085.297+/-34.709 χ^2/NDF: 102886.3/28

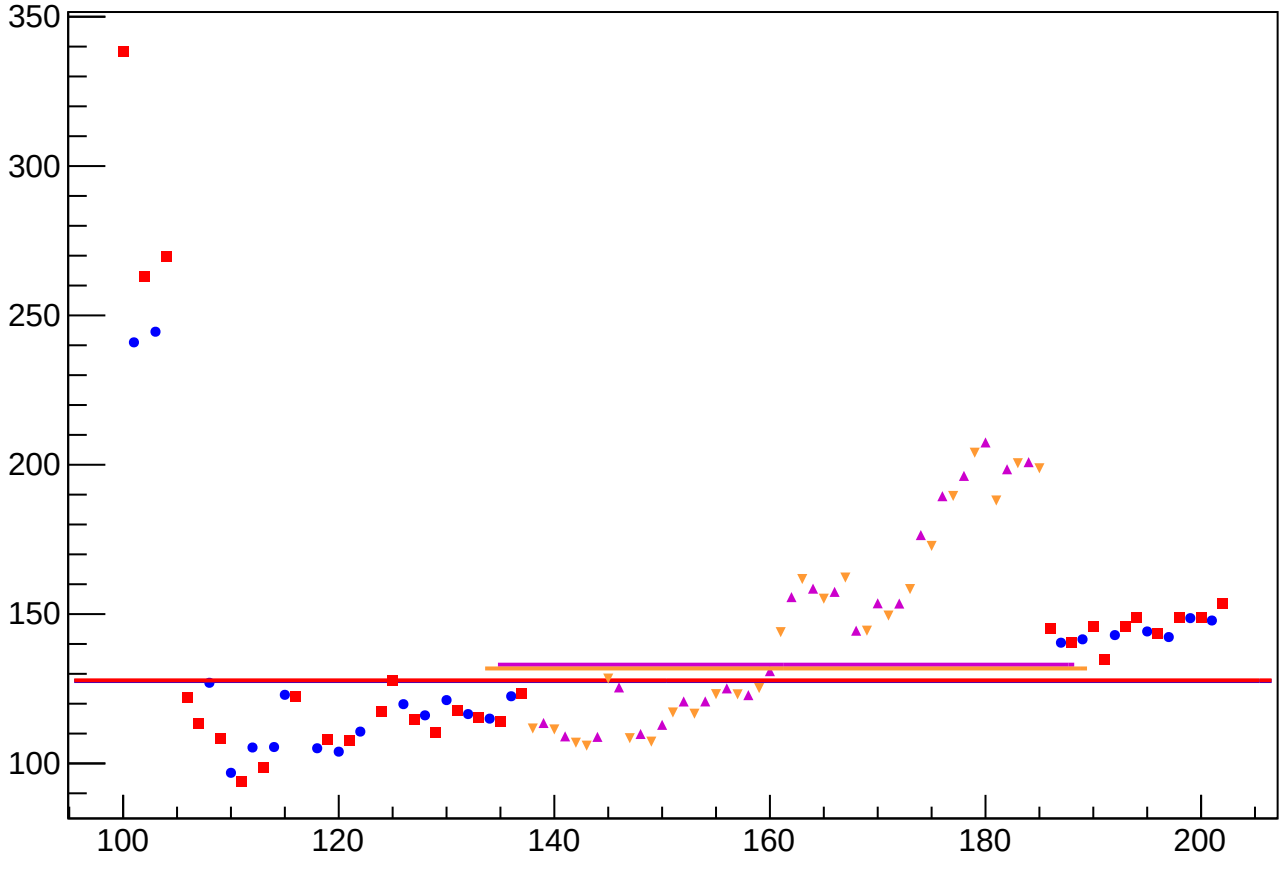
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1257.356+/-23.877 χ^2/NDF: 155407.1/47

All: -381.765+/-16.754 χ^2/NDF: 326790.3/99

- sign 467.423+/-23.515 χ^2/NDF: 168734.4/51

asym_bpm1i02WS_rms vs Slug



Right In: 127.589+/-0.027 χ^2/NDF: 951188.0/22

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 127.812+/-0.025 χ^2/NDF: 1248333.7/28

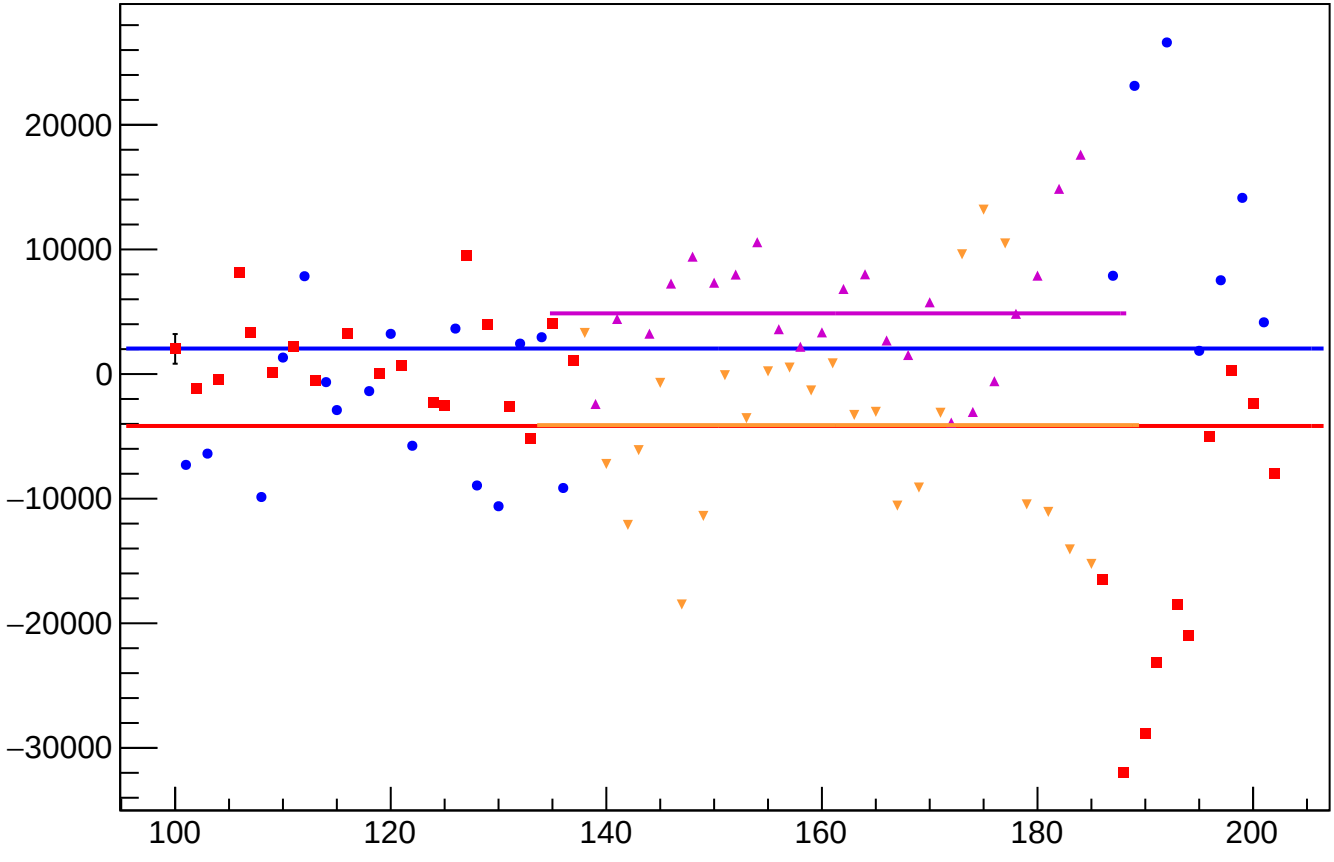
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 130.114+/-0.017 χ^2/NDF: 2510439.6/47

All: 130.387+/-0.012 χ^2/NDF: 5202292.4/99

- sign 130.652+/-0.017 χ^2/NDF: 2691337.2/51

asym_bpm2i01WS_mean vs Slug



Right In: 2048.585+/-34.256 χ^2/NDF: 82483.6/22

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4166.054+/-31.793 χ^2/NDF: 108586.1/28

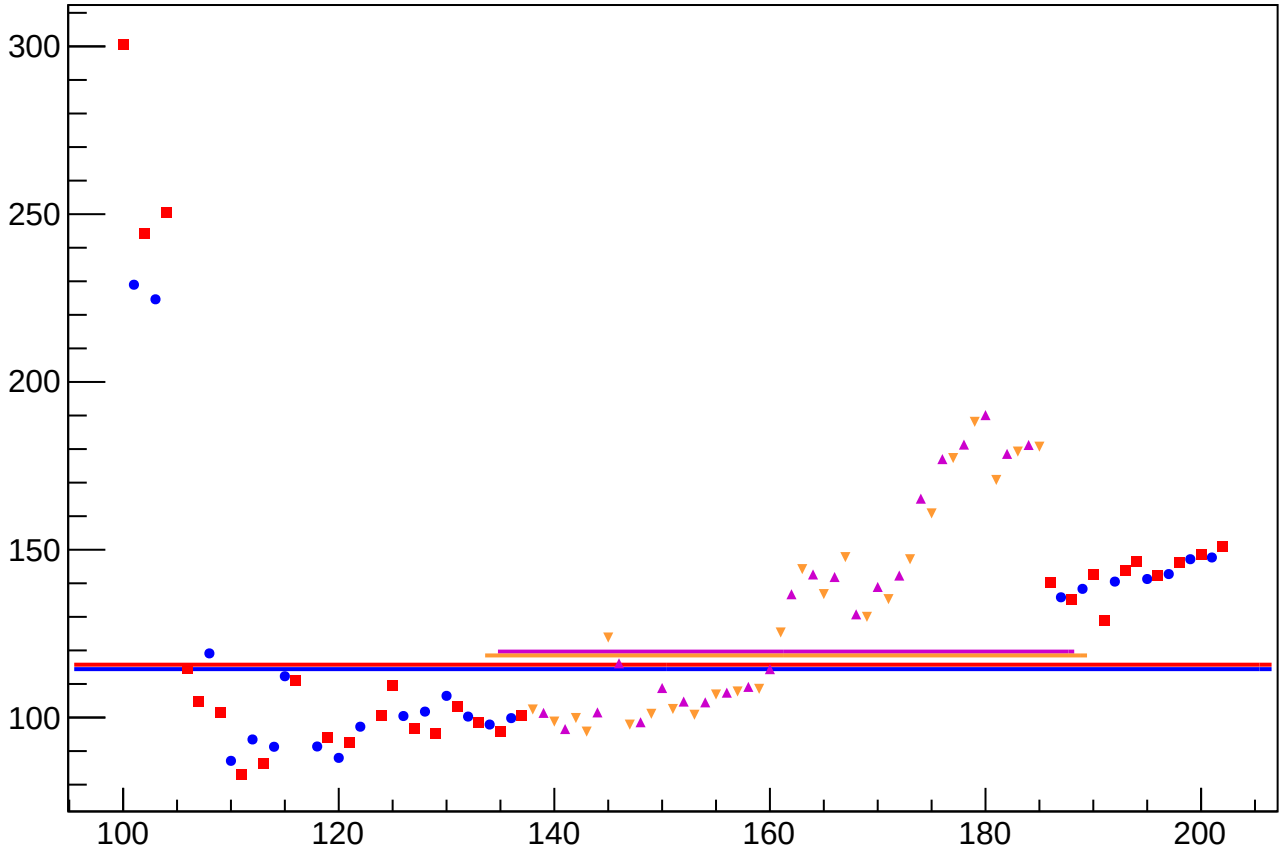
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -1660.890+/-21.573 χ^2/NDF: 168187.8/47

All: -419.722+/-15.174 χ^2/NDF: 349593.6/99

- sign 795.740+/-21.348 χ^2/NDF: 174854.1/51

asym_bpm2i01WS_rms vs Slug



Right In: 114.422+/-0.024 χ^2/NDF: 1398169.8/22

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 115.748+/-0.022 χ^2/NDF: 1755629.7/28

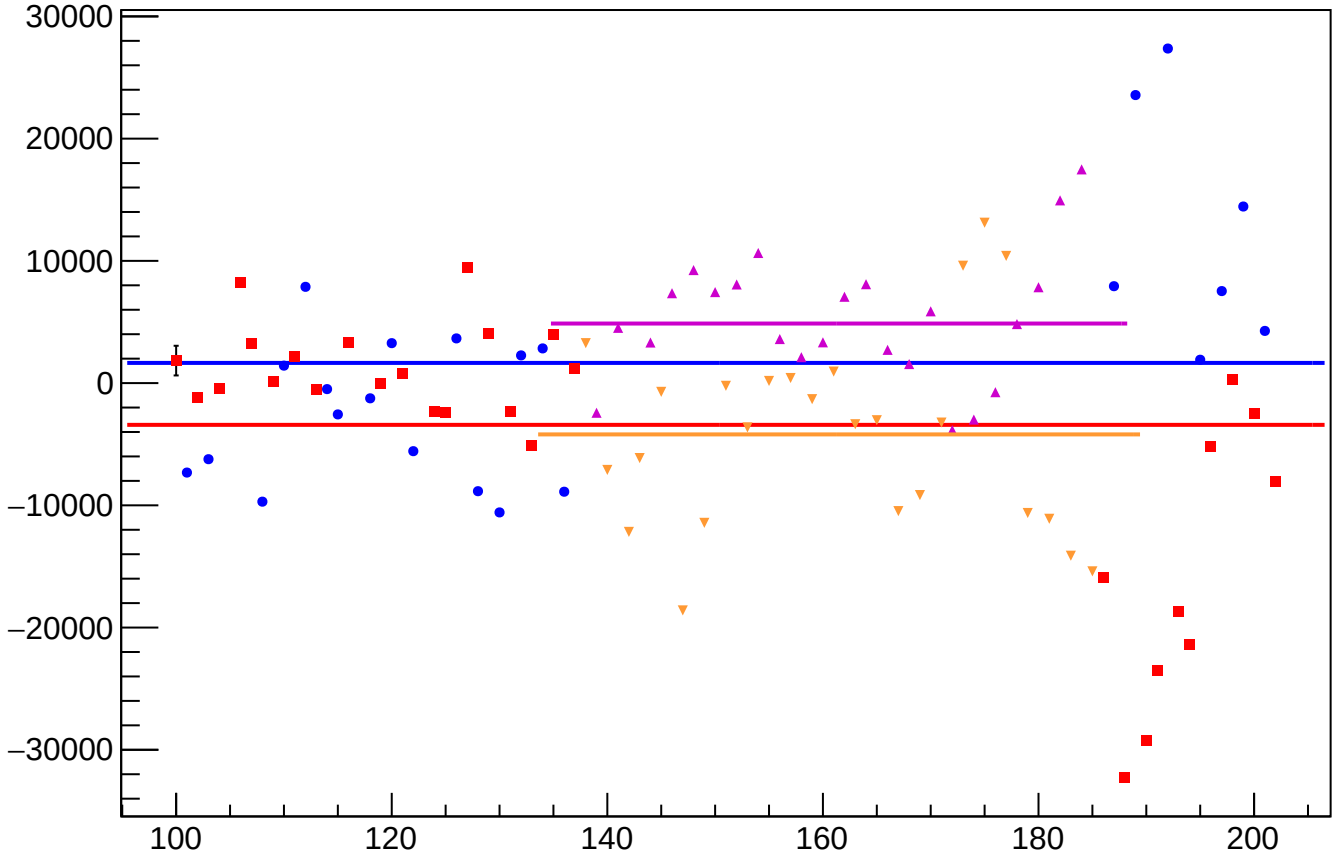
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 116.884+/-0.015 χ^2/NDF: 3042429.1/47

All: 117.391+/-0.011 χ^2/NDF: 6329128.9/99

- sign 117.888+/-0.015 χ^2/NDF: 3284510.0/51

asym_bpm2i02WS_mean vs Slug



Right In: 1651.712+/-33.516 χ^2/NDF: 81354.9/22

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3416.256+/-31.259 χ^2/NDF: 101849.9/28

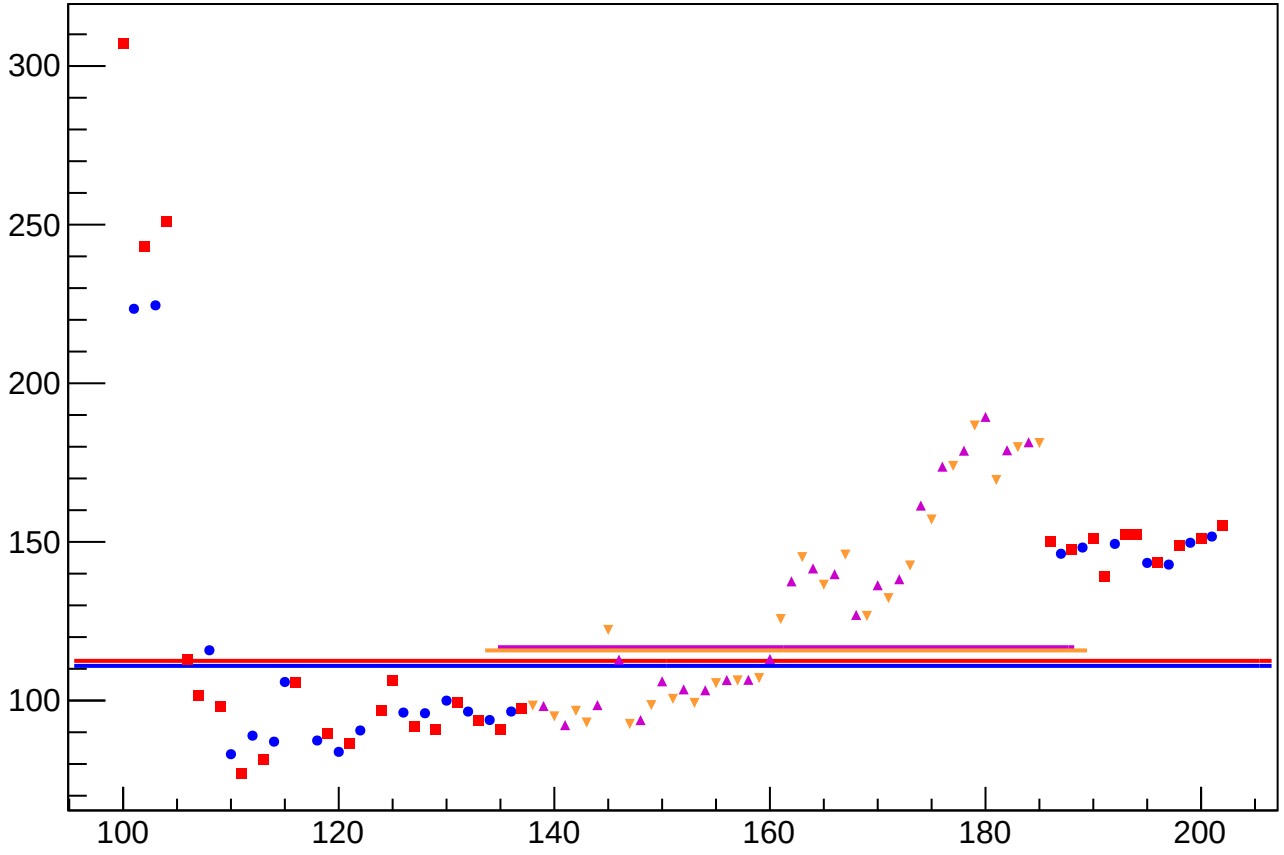
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -1873.679+/-21.125 χ^2/NDF: 170127.2/47

All: -346.548+/-14.871 χ^2/NDF: 344029.5/99

- sign 1153.780+/-20.939 χ^2/NDF: 163542.4/51

asym_bpm2i02WS_rms vs Slug



Right In: 110.925+/-0.024 χ^2/NDF: 1714374.8/22

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 112.510+/-0.022 χ^2/NDF: 2274474.0/28

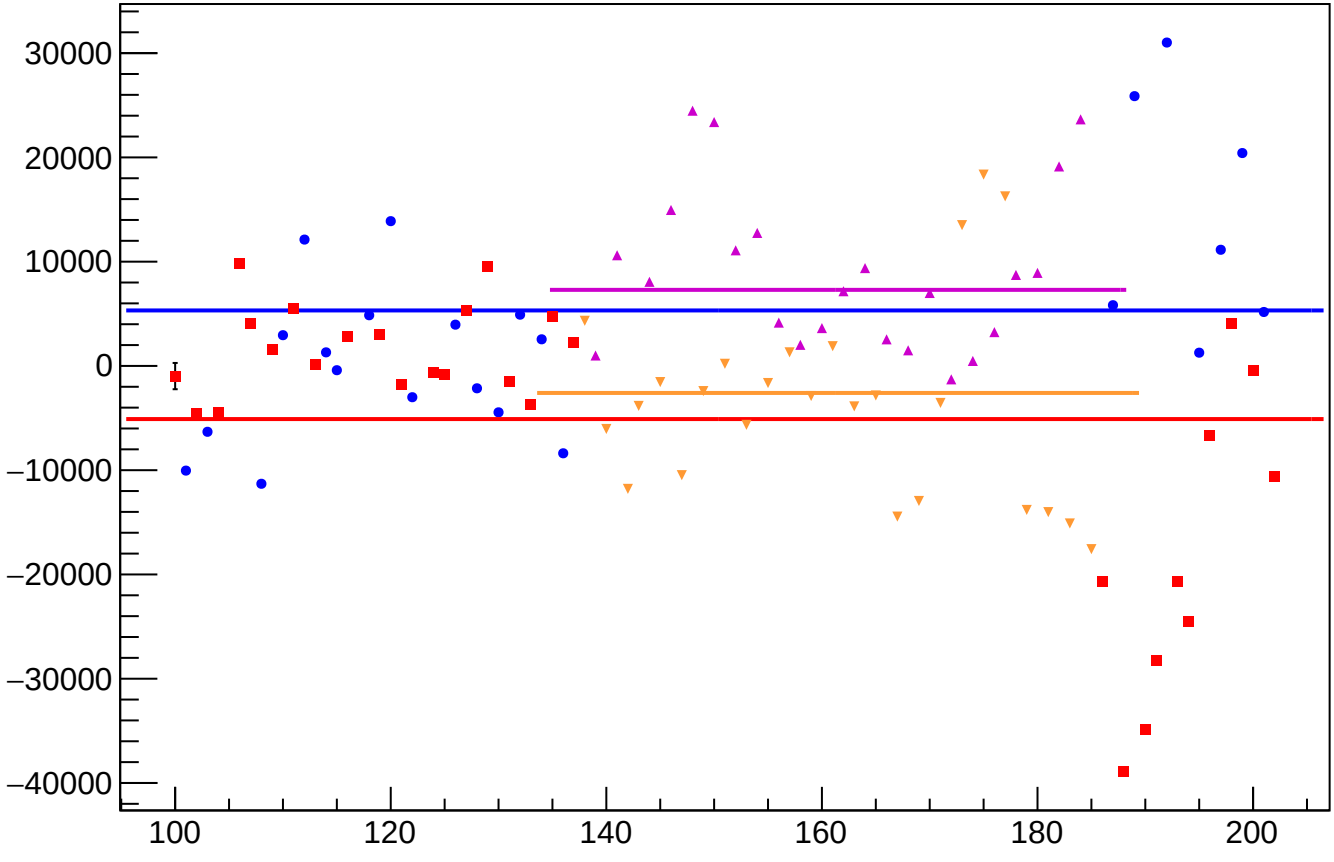
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 113.862+/-0.015 χ^2/NDF: 3488881.0/47

All: 114.375+/-0.011 χ^2/NDF: 7404195.2/99

- sign 114.880+/-0.015 χ^2/NDF: 3912972.5/51

asym_bpm0i01WS_mean vs Slug



Right In: 5321.841+/-45.090 χ^2/NDF: 61365.7/22

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5096.629+/-41.988 χ^2/NDF: 96926.1/28

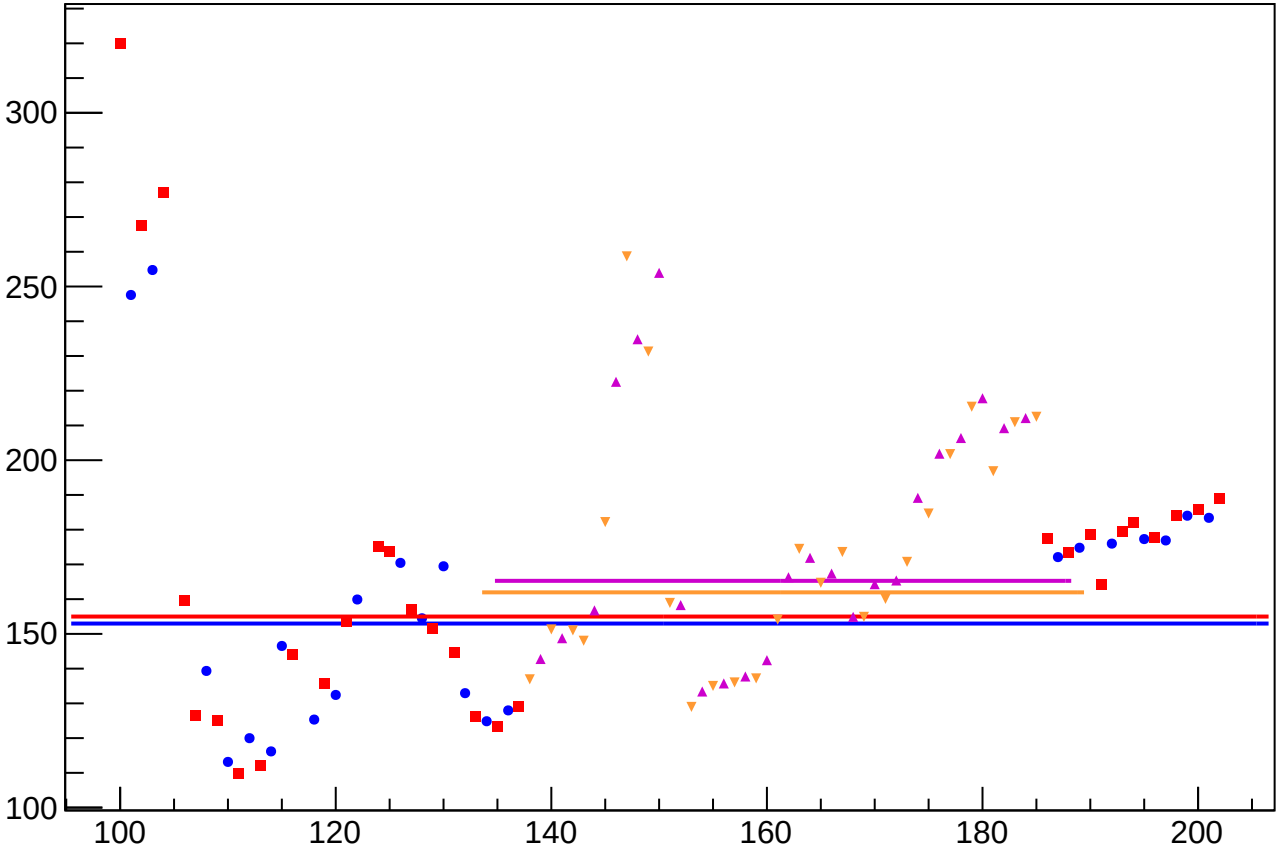
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 658.687+/-28.897 χ^2/NDF: 127510.2/47

All: 1063.674+/-20.399 χ^2/NDF: 295703.2/99

- sign 1465.927+/-28.799 χ^2/NDF: 167801.5/51

asym_bpm0i01WS_rms vs Slug



Right In: 152.978+/-0.032 χ^2/NDF: 988170.2/22

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 154.993+/-0.030 χ^2/NDF: 1265977.0/28

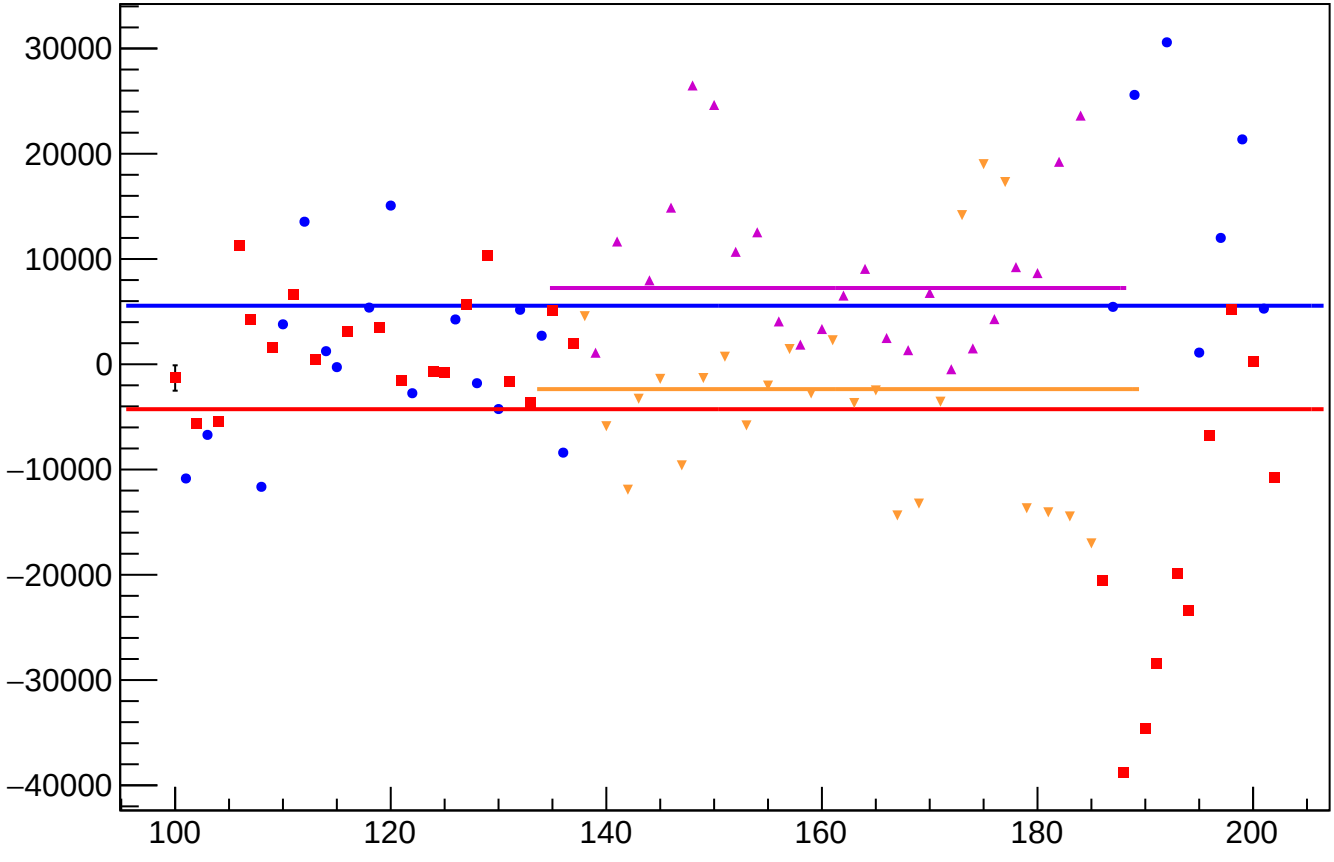
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 158.269+/-0.020 χ^2/NDF: 2179708.9/47

All: 159.356+/-0.014 χ^2/NDF: 4693904.0/99

- sign 160.436+/-0.020 χ^2/NDF: 2508552.9/51

asym_bpm0i01aWS_mean vs Slug



Right In: 5561.503+/-38.180 χ^2/NDF: 85556.2/22

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -4267.886+/-35.352 χ^2/NDF: 134435.5/28

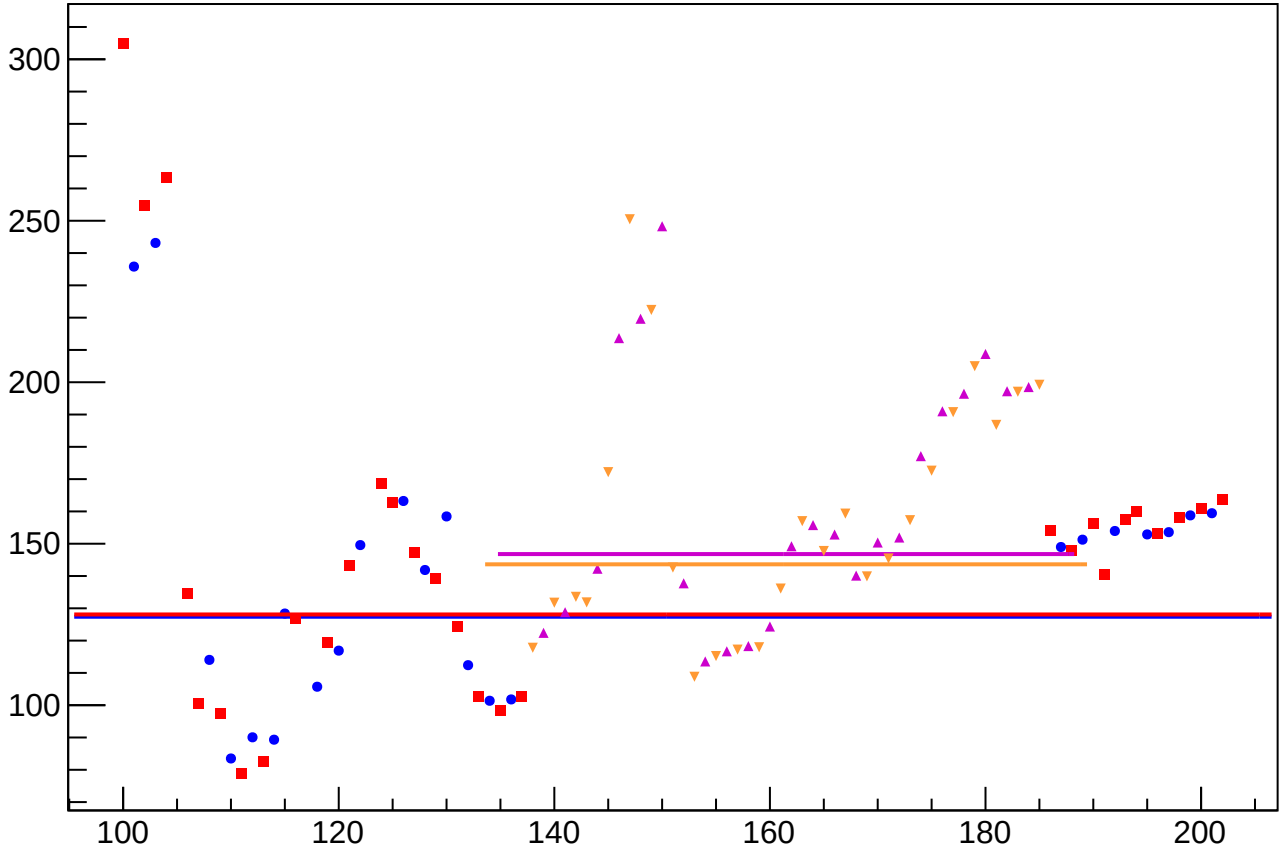
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1106.182+/-25.257 χ^2/NDF: 168335.4/47

All: 1286.182+/-17.787 χ^2/NDF: 386113.3/99

- sign 1463.273+/-25.052 χ^2/NDF: 217677.1/51

asym_bpm0i01aWS_rms vs Slug



Right In: 127.395+/-0.027 χ^2/NDF: 1578982.5/22

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 128.095+/-0.025 χ^2/NDF: 2057042.9/28

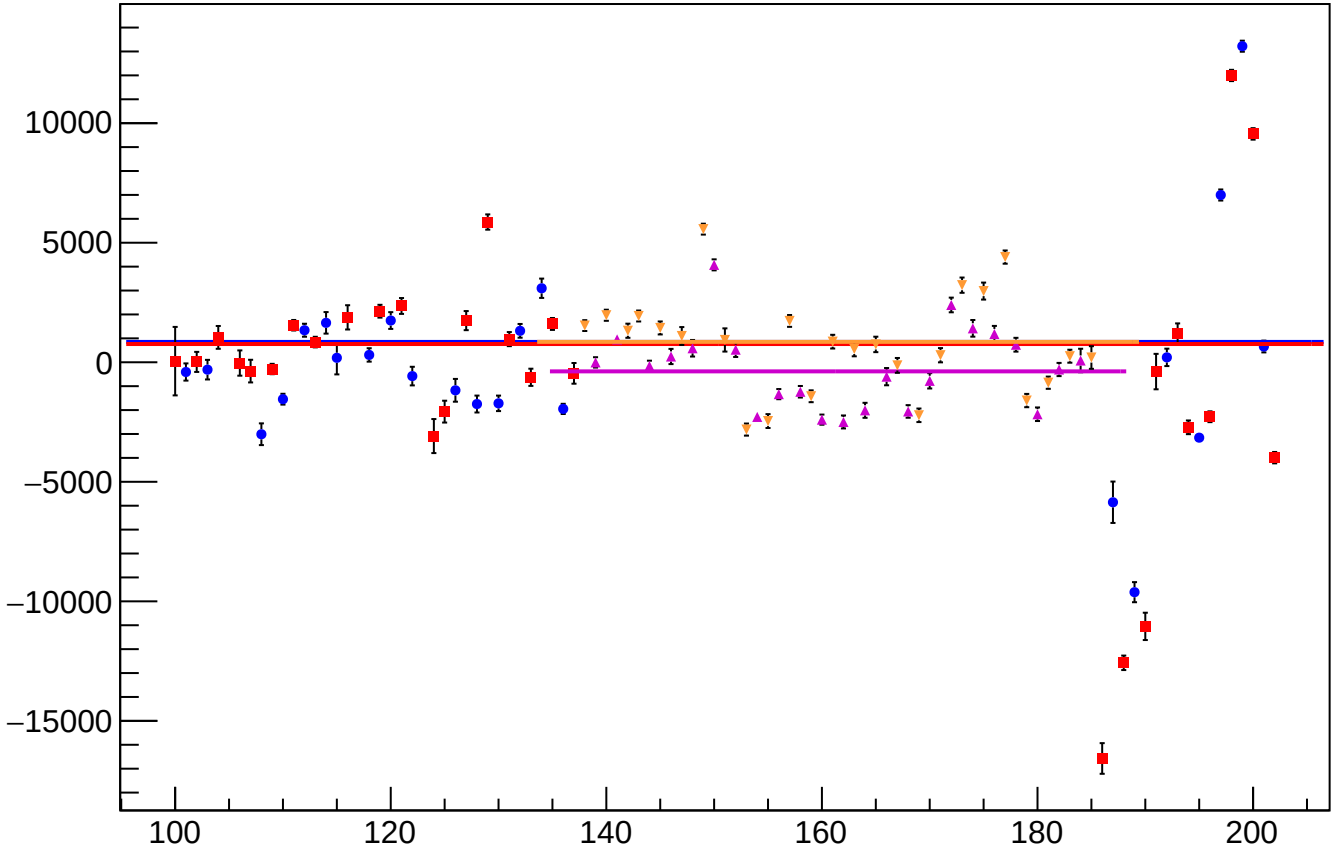
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 136.521+/-0.018 χ^2/NDF: 3444974.8/47

All: 136.966+/-0.013 χ^2/NDF: 7476306.9/99

- sign 137.403+/-0.018 χ^2/NDF: 4030102.3/51

asym_bpm0l01WS_mean vs Slug



Right In: 850.612+/-64.658 χ^2/NDF: 5188.7/22

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 762.831+/-59.835 χ^2/NDF: 7898.8/28

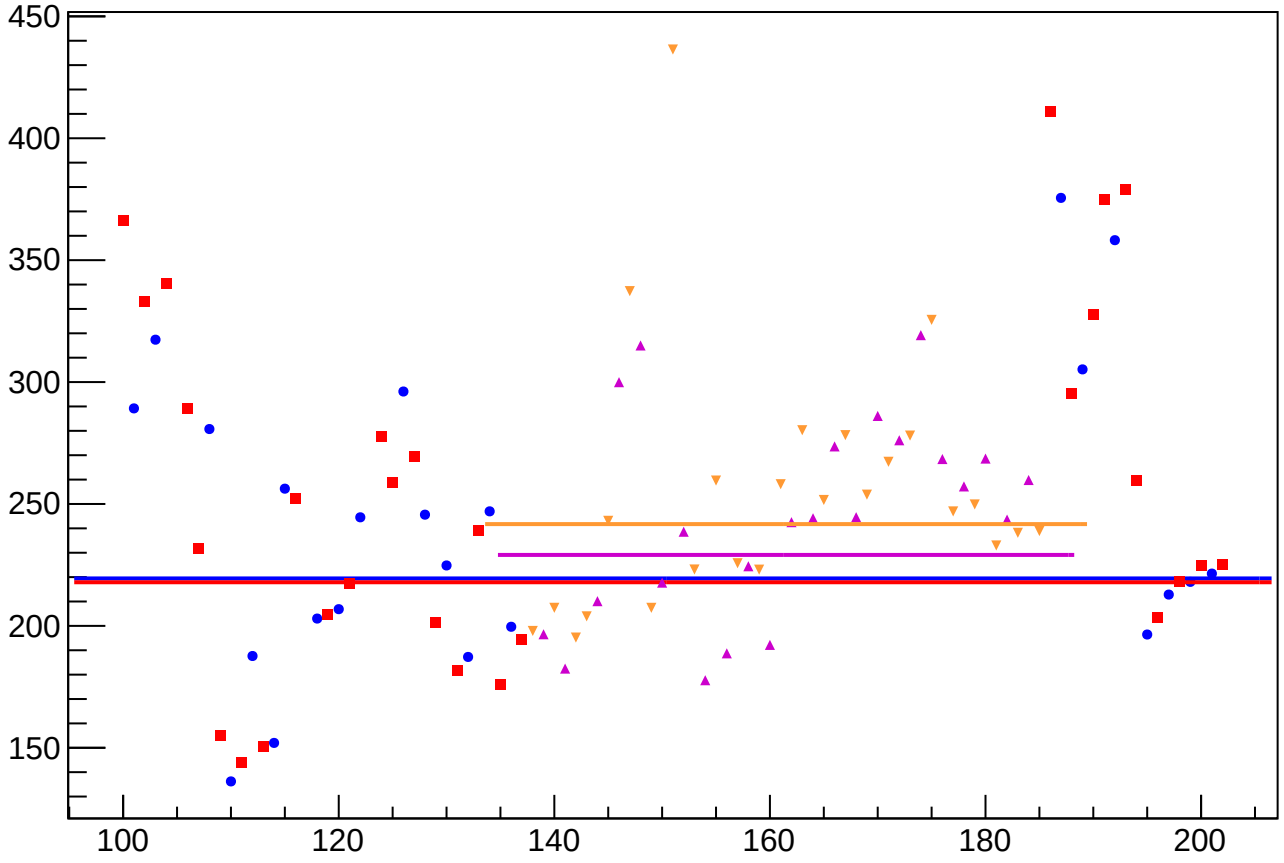
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 852.493+/-42.433 χ^2/NDF: 6632.5/47

All: 482.312+/-29.315 χ^2/NDF: 15856.9/99

- sign 144.309+/-40.546 χ^2/NDF: 9078.8/51

asym_bpm0l01WS_rms vs Slug



Right In: 219.461+/-0.046 χ^2/NDF: 1171248.1/22

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 217.893+/-0.042 χ^2/NDF: 1905019.6/28

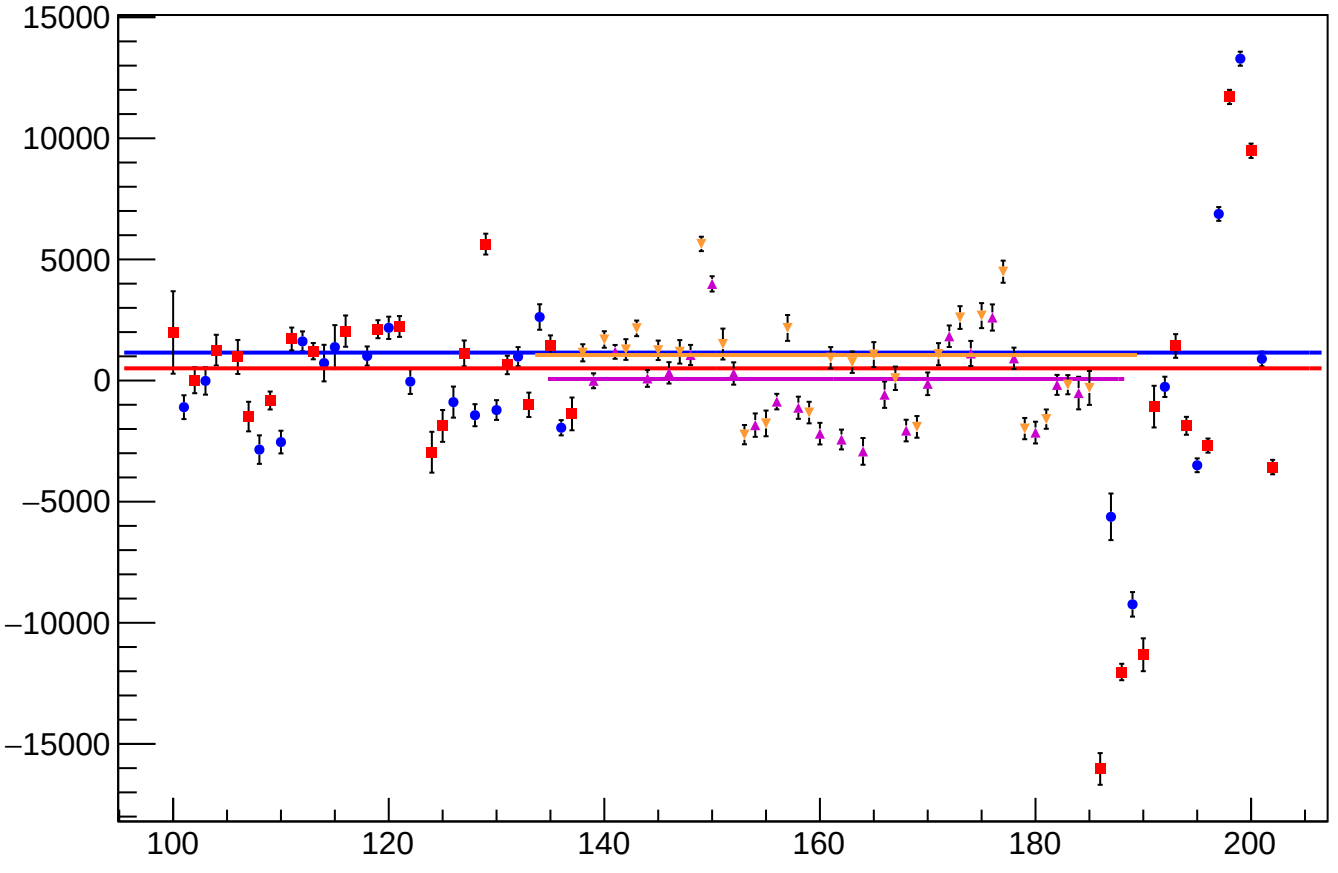
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.149+/-0.030 χ^2/NDF: 2292891.4/47

All: 227.866+/-0.021 χ^2/NDF: 5343815.5/99

- sign 223.956+/-0.029 χ^2/NDF: 3011948.7/51

asym_bpm0l02WS_mean vs Slug



Right In: 1153.858+/-87.695 χ^2/NDF: 3226.6/22

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 504.189+/-81.601 χ^2/NDF: 5316.4/28

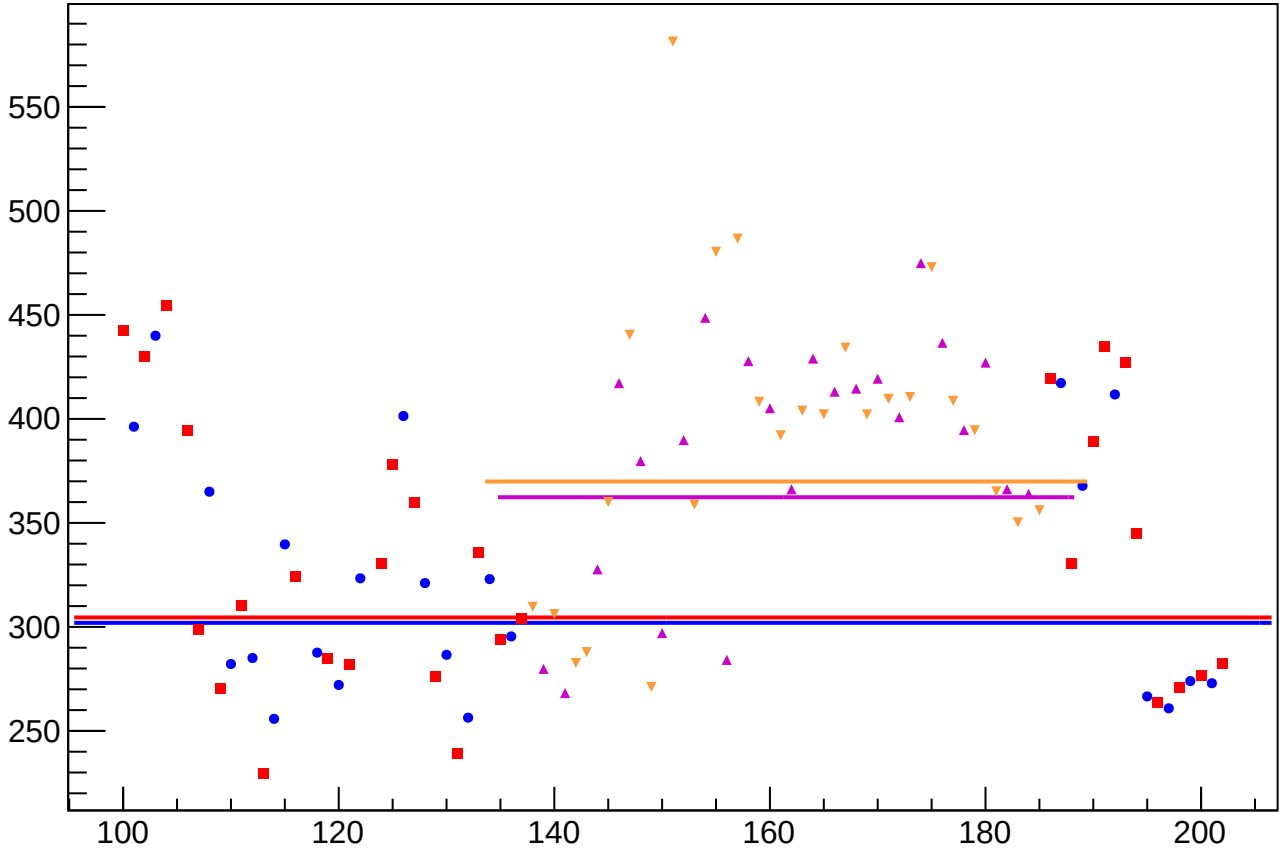
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 1102.564+/-61.364 χ^2/NDF: 3841.9/47

All: 687.065+/-42.683 χ^2/NDF: 9655.2/99

- sign 297.620+/-59.409 χ^2/NDF: 5724.5/51

asym_bpm0l02WS_rms vs Slug



Right In: 301.962+/-0.062 χ^2/NDF: 642455.3/22

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 304.541+/-0.058 χ^2/NDF: 915919.6/28

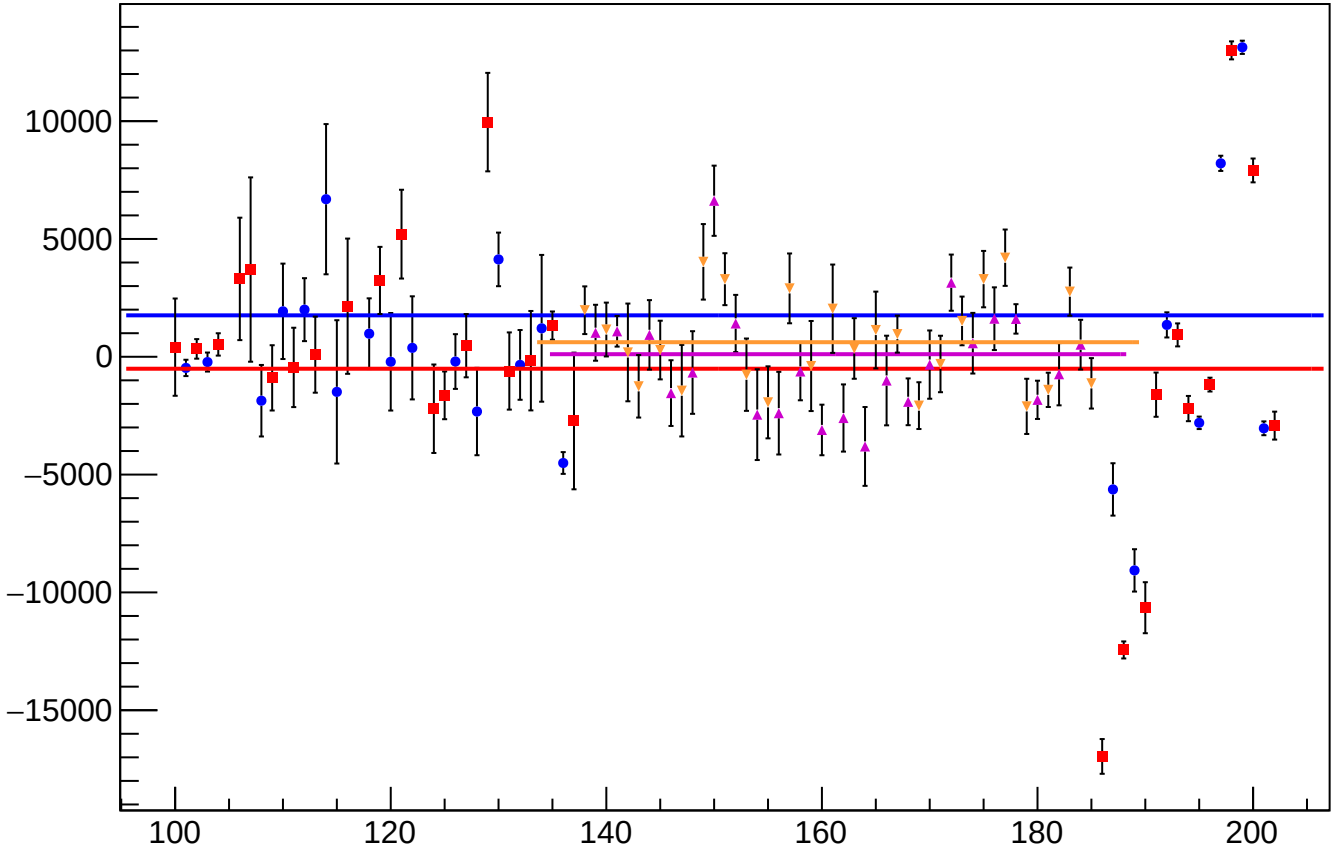
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 336.647+/-0.043 χ^2/NDF: 2485794.0/47

All: 334.096+/-0.030 χ^2/NDF: 4933385.3/99

- sign 331.705+/-0.042 χ^2/NDF: 2440894.6/51

asym_bpm0l03WS_mean vs Slug



Right In: 1758.271+/-113.577 χ^2/NDF: 3063.8/22

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -507.543+/-126.213 χ^2/NDF: 3312.2/28

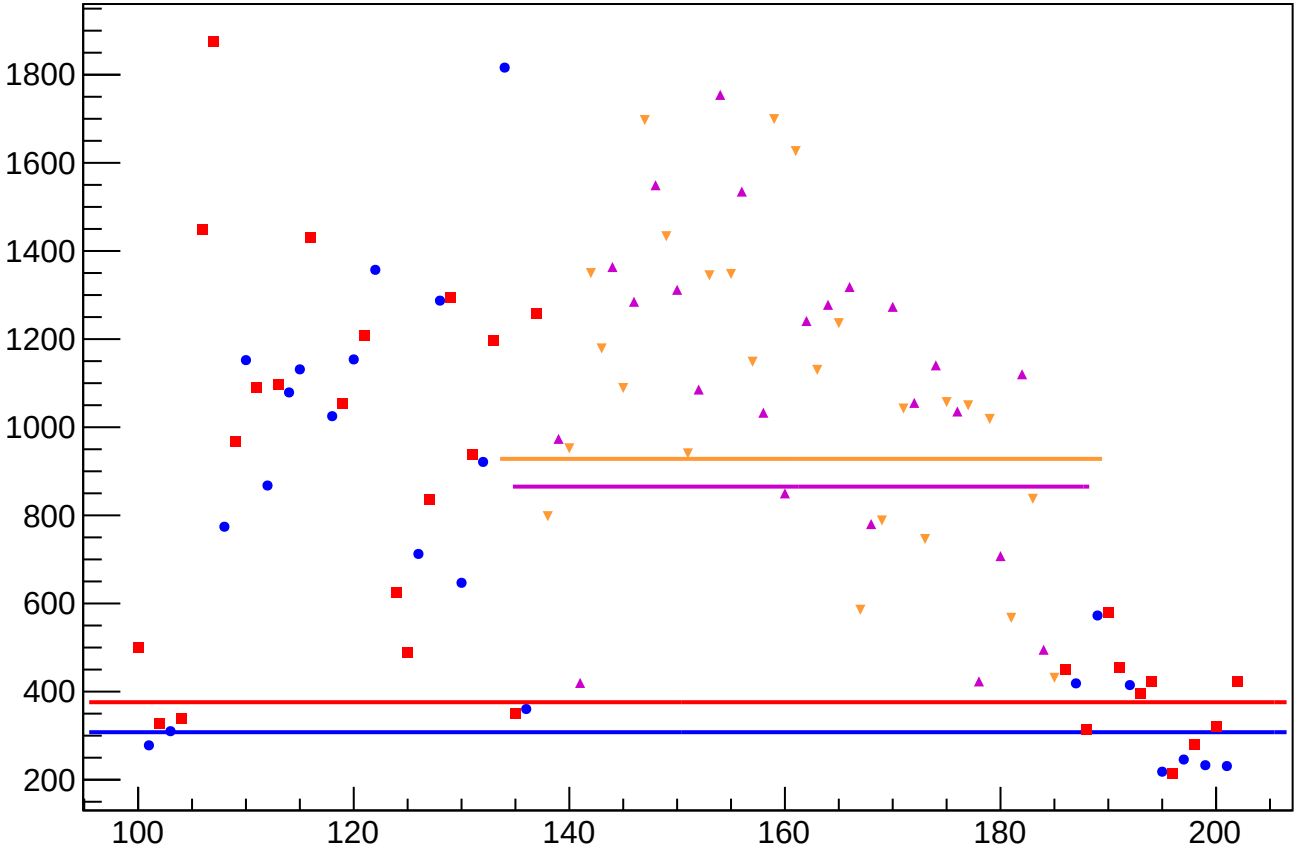
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 1547.076+/-102.516 χ^2/NDF: 3148.2/47

All: 667.866+/-75.462 χ^2/NDF: 6698.0/99

- sign -371.947+/-111.486 χ^2/NDF: 3389.2/51

asym_bpm0l03WS_rms vs Slug



Right In: 307.863+/-0.080 χ^2/NDF: 5090454.3/22

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 375.926+/-0.089 χ^2/NDF: 5283077.5/28

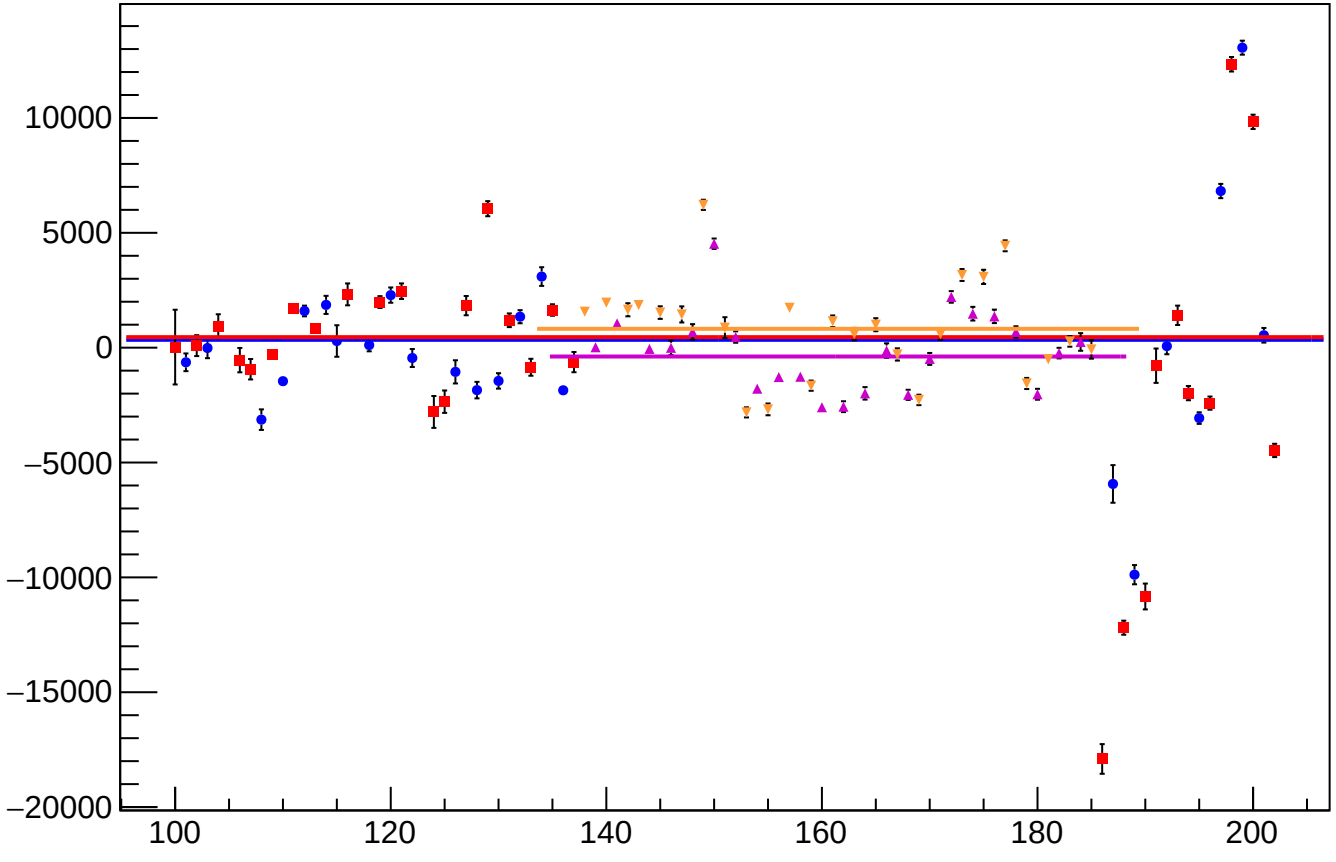
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 422.820+/-0.072 χ^2/NDF: 19442164.2/47

All: 450.596+/-0.053 χ^2/NDF: 36443626.2/99

- sign 483.447+/-0.079 χ^2/NDF: 16680984.5/51

asym_bpm0l04WS_mean vs Slug



Right In: 342.627+/-67.623 χ^2/NDF: 3476.9/22

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 458.426+/-61.352 χ^2/NDF: 6255.4/28

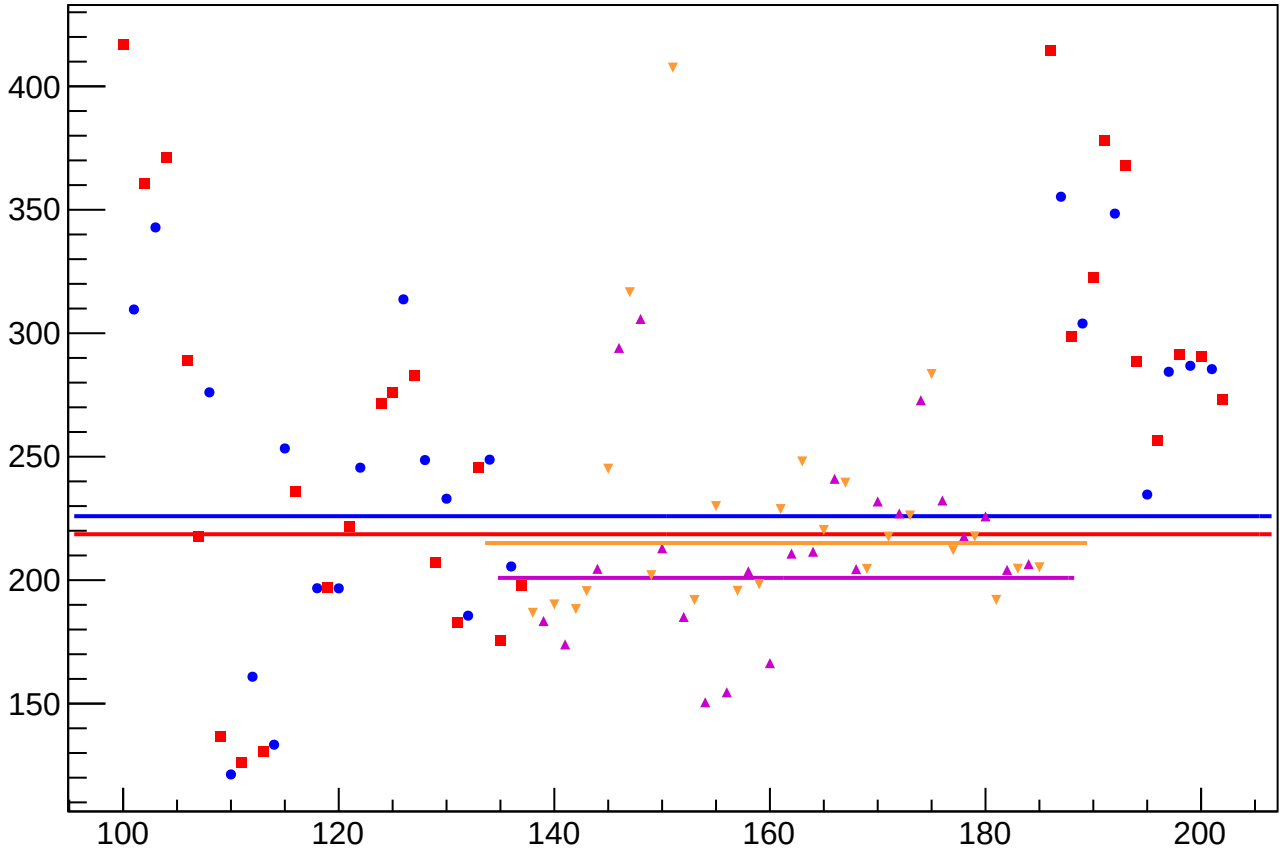
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 651.813+/-40.202 χ^2/NDF: 5500.0/47

All: 275.590+/-27.625 χ^2/NDF: 13291.0/99

- sign -61.007+/-38.026 χ^2/NDF: 7625.1/51

asym_bpm0l04WS_rms vs Slug



Right In: 225.906+/-0.048 χ^2/NDF: 1818856.2/22

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

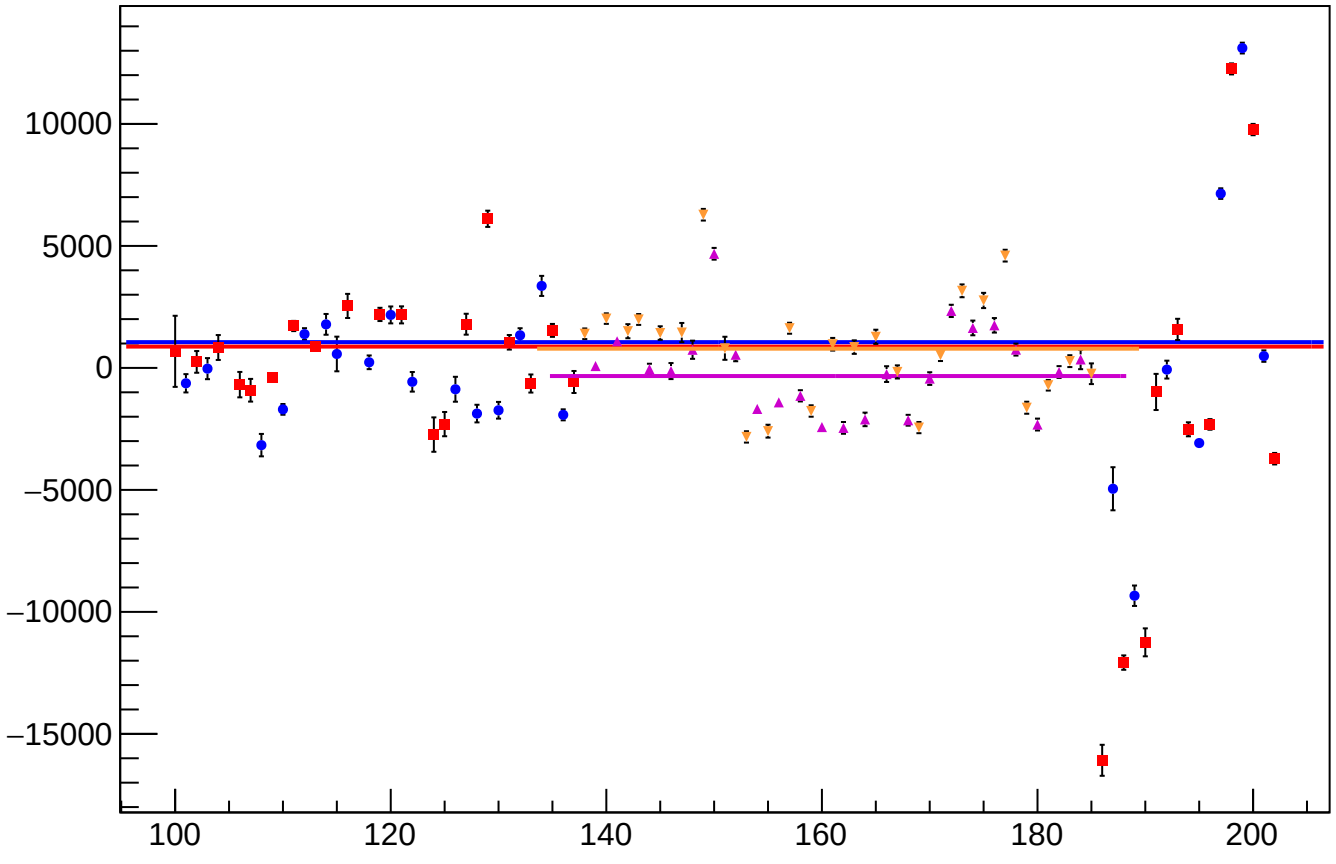
Right Out: 218.596+/-0.043 χ^2/NDF: 3027767.0/28

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 218.872+/-0.028 χ^2/NDF: 2750115.0/47

All: 212.980+/-0.020 χ^2/NDF: 7067393.5/99

- sign 207.708+/-0.027 χ^2/NDF: 4235879.4/51



Right In: 1056.293+/-63.921 χ^2/NDF: 5491.6/22

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 873.987+/-59.055 χ^2/NDF: 8319.8/28

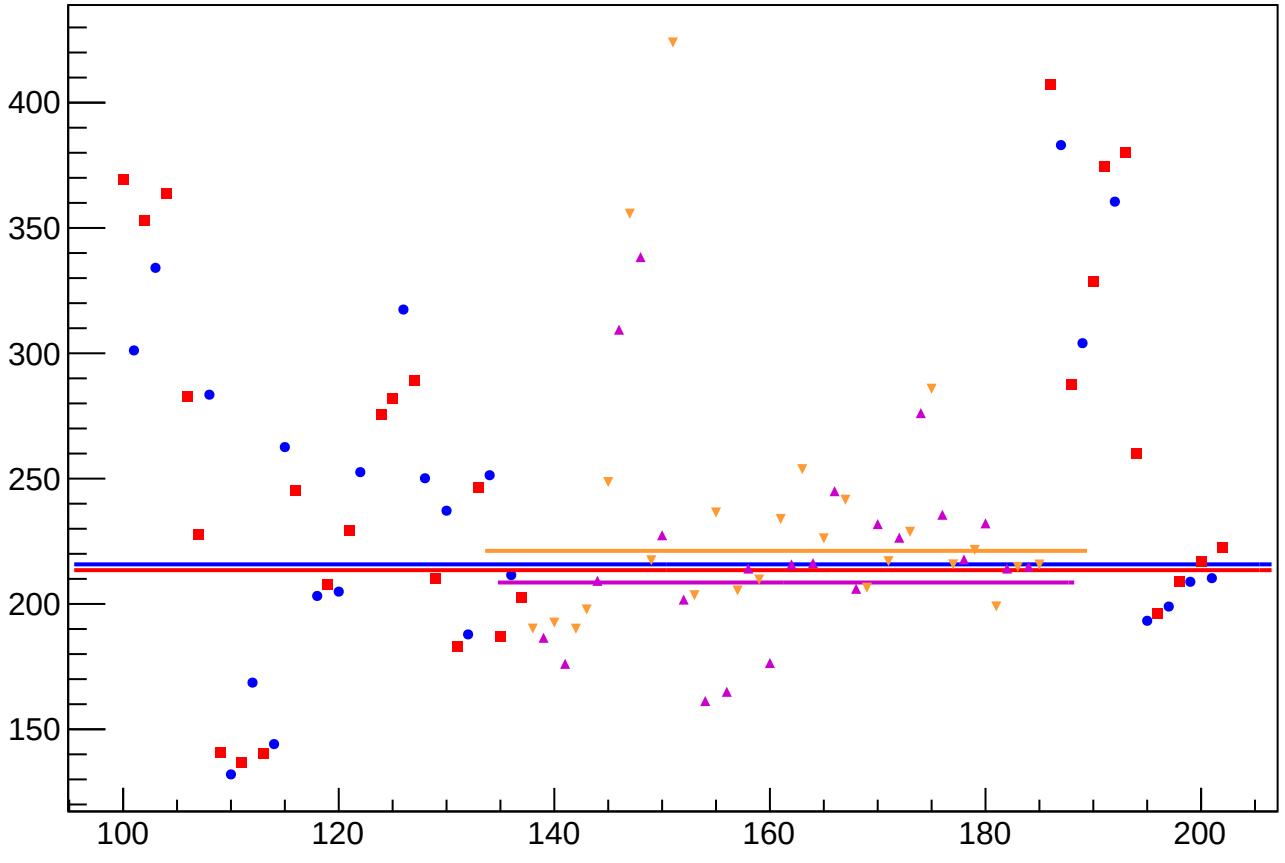
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 893.484+/-40.068 χ^2/NDF: 7392.5/47

All: 516.526+/-27.666 χ^2/NDF: 17339.3/99

- sign 173.068+/-38.246 χ^2/NDF: 9777.7/51

asym_bpm0l05WS_rms vs Slug



Right In: 215.795+/-0.045 χ^2/NDF: 1401708.8/22

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 213.478+/-0.042 χ^2/NDF: 2251435.4/28

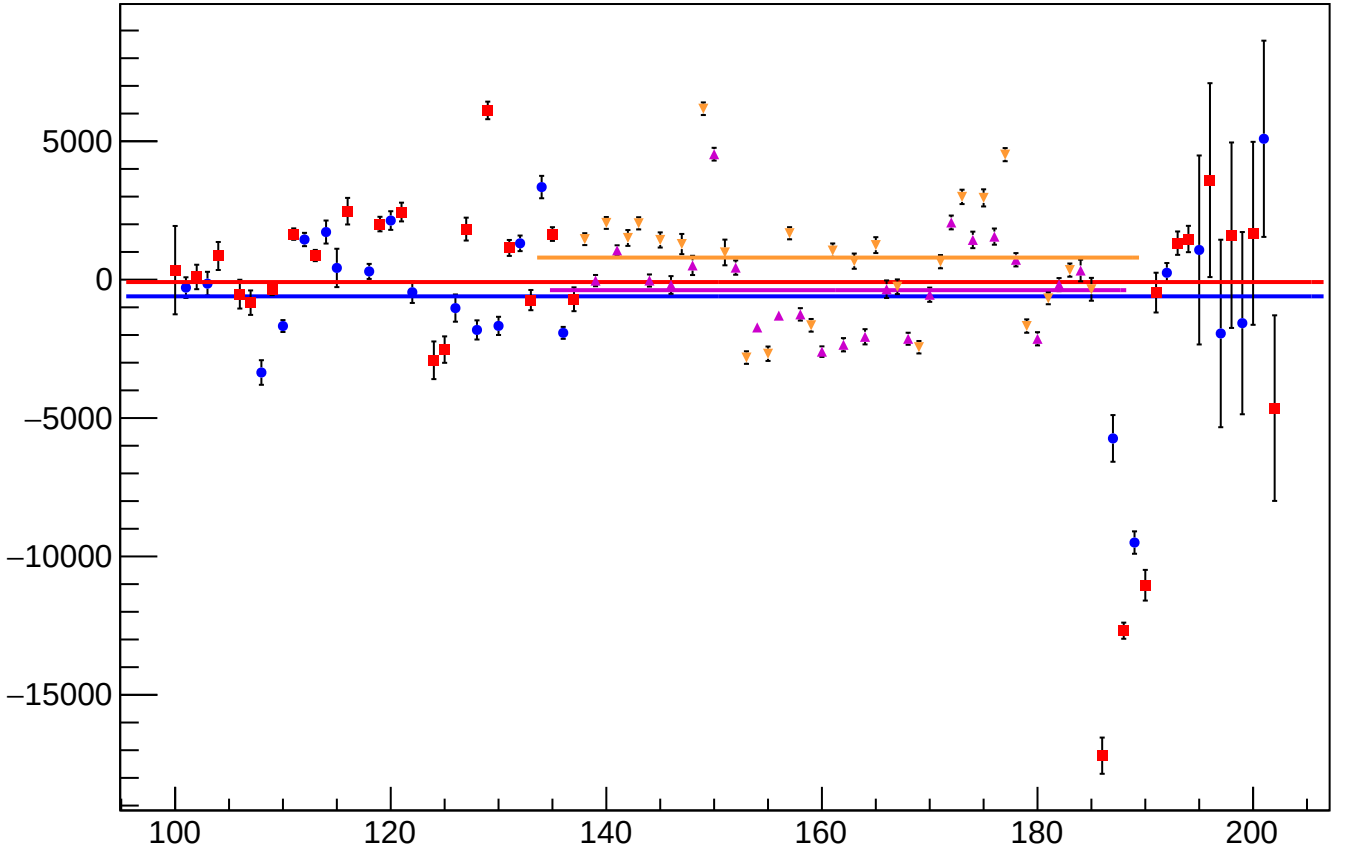
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.067+/-0.028 χ^2/NDF: 2349863.7/47

All: 214.647+/-0.020 χ^2/NDF: 5691511.4/99

- sign 210.620+/-0.027 χ^2/NDF: 3295138.1/51

asym_bpm0l06WS_mean vs Slug



Right In: -603.320+/-76.417 χ^2/NDF: 979.6/22

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -86.829+/-68.129 χ^2/NDF: 3733.6/28

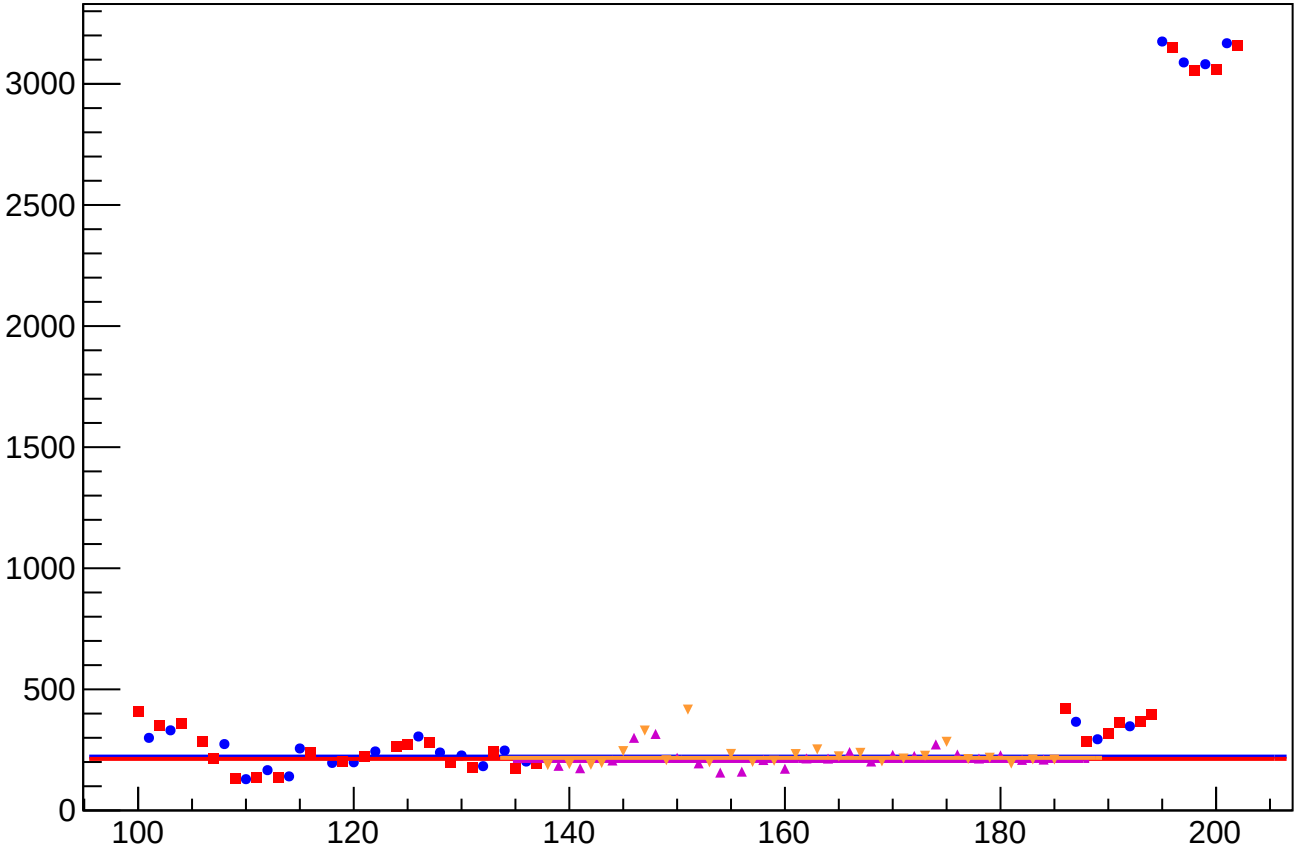
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.733+/-42.128 χ^2/NDF: 3174.3/47

All: 28.373+/-28.961 χ^2/NDF: 8247.2/99

- sign -279.280+/-39.878 χ^2/NDF: 4947.0/51

asym_bpm0l06WS_rms vs Slug



Right In: 222.353+/-0.054 χ^2/NDF: 7157697.4/22

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 212.925+/-0.048 χ^2/NDF: 8494737.3/28

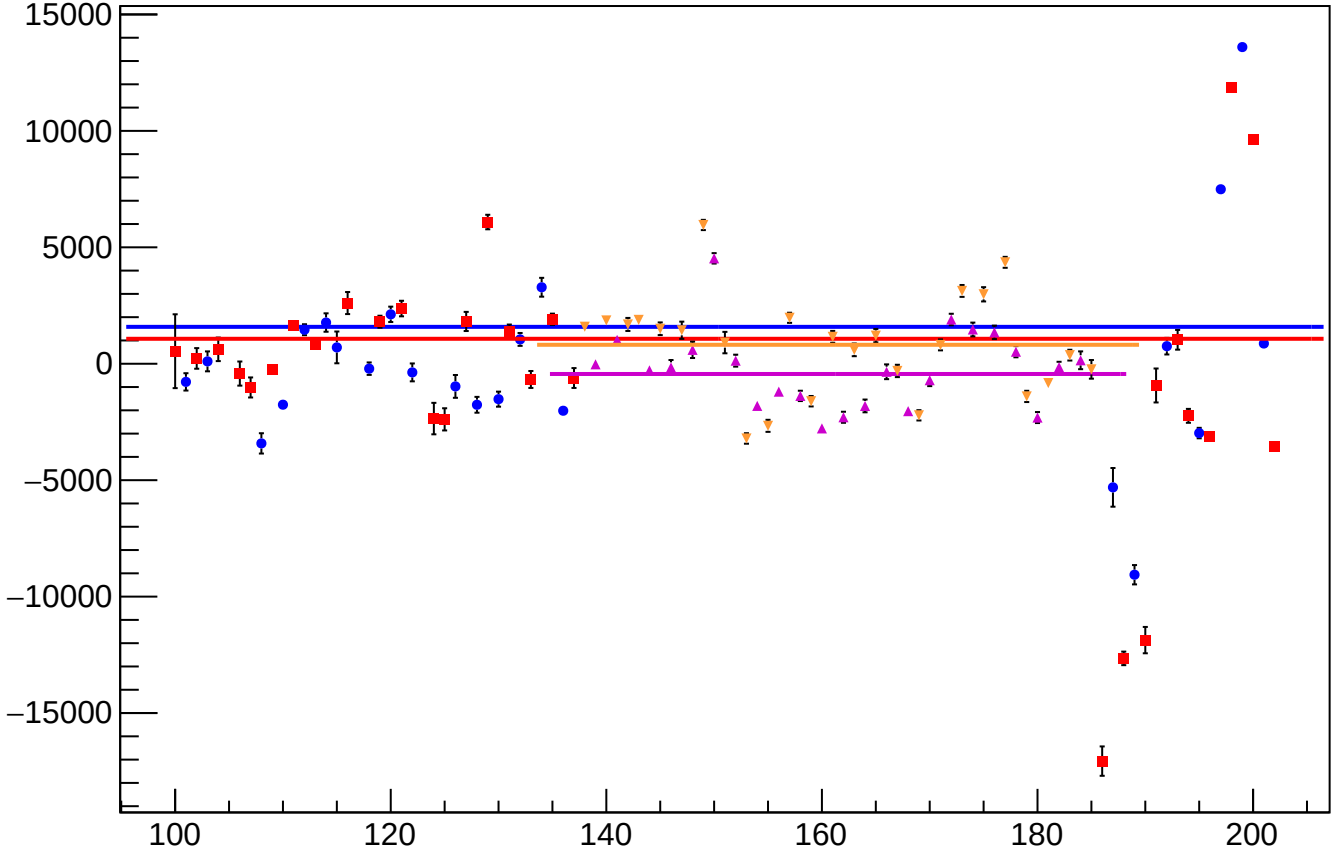
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 218.783+/-0.030 χ^2/NDF: 8074413.7/47

All: 212.706+/-0.020 χ^2/NDF: 17684149.6/99

- sign 207.260+/-0.028 χ^2/NDF: 9530821.2/51

asym_bpm0l07WS_mean vs Slug



Right In: 1584.667+/-60.185 χ^2/NDF: 7198.2/22

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 1071.856+/-55.175 χ^2/NDF: 9971.7/28

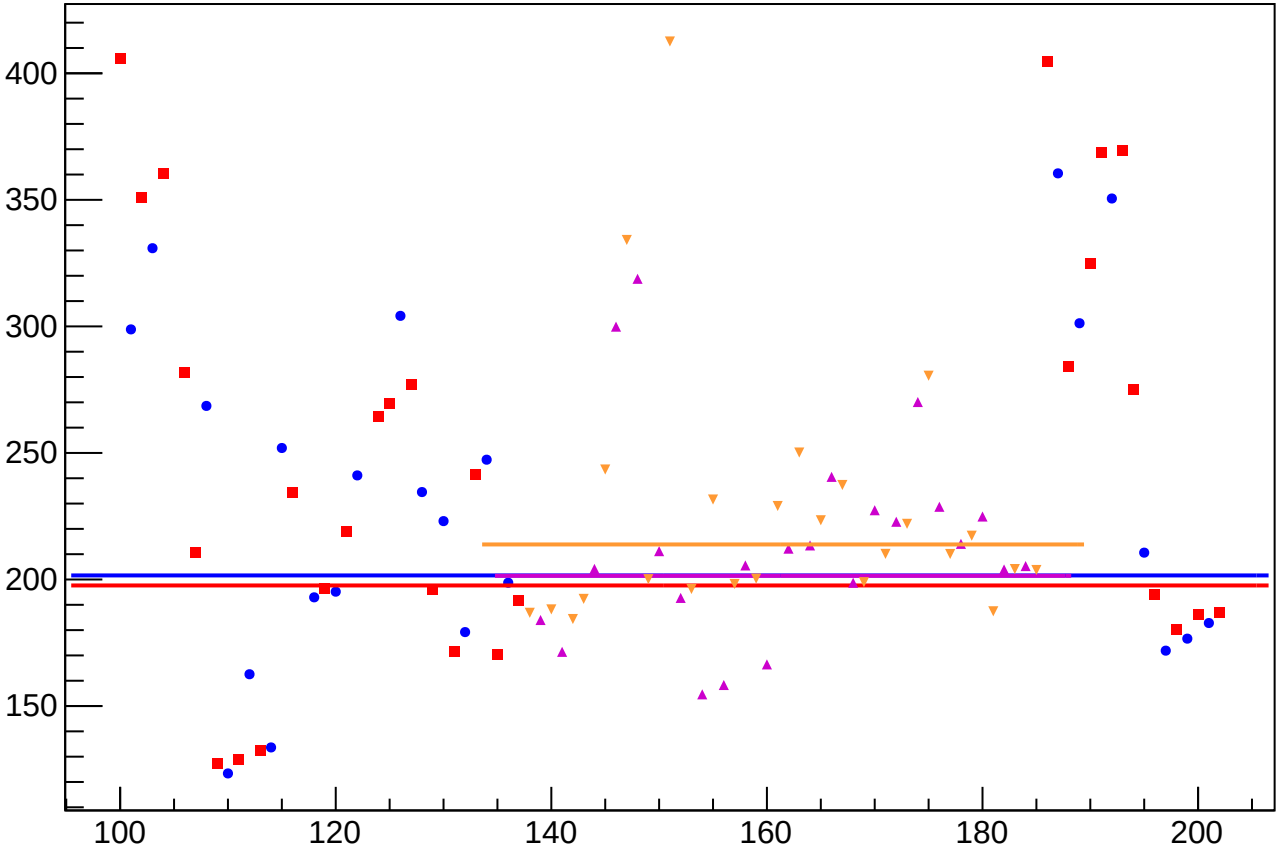
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

\+ sign 1127.075+/-38.350 χ^2/NDF: 9295.9/47

All: 650.269+/-26.417 χ^2/NDF: 21219.8/99

\- sign 219.711+/-36.442 χ^2/NDF: 11629.7/51

asym_bpm0l07WS_rms vs Slug



Right In: 201.608+/-0.043 χ^2/NDF: 1600683.4/22

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 197.646+/-0.039 χ^2/NDF: 2634089.4/28

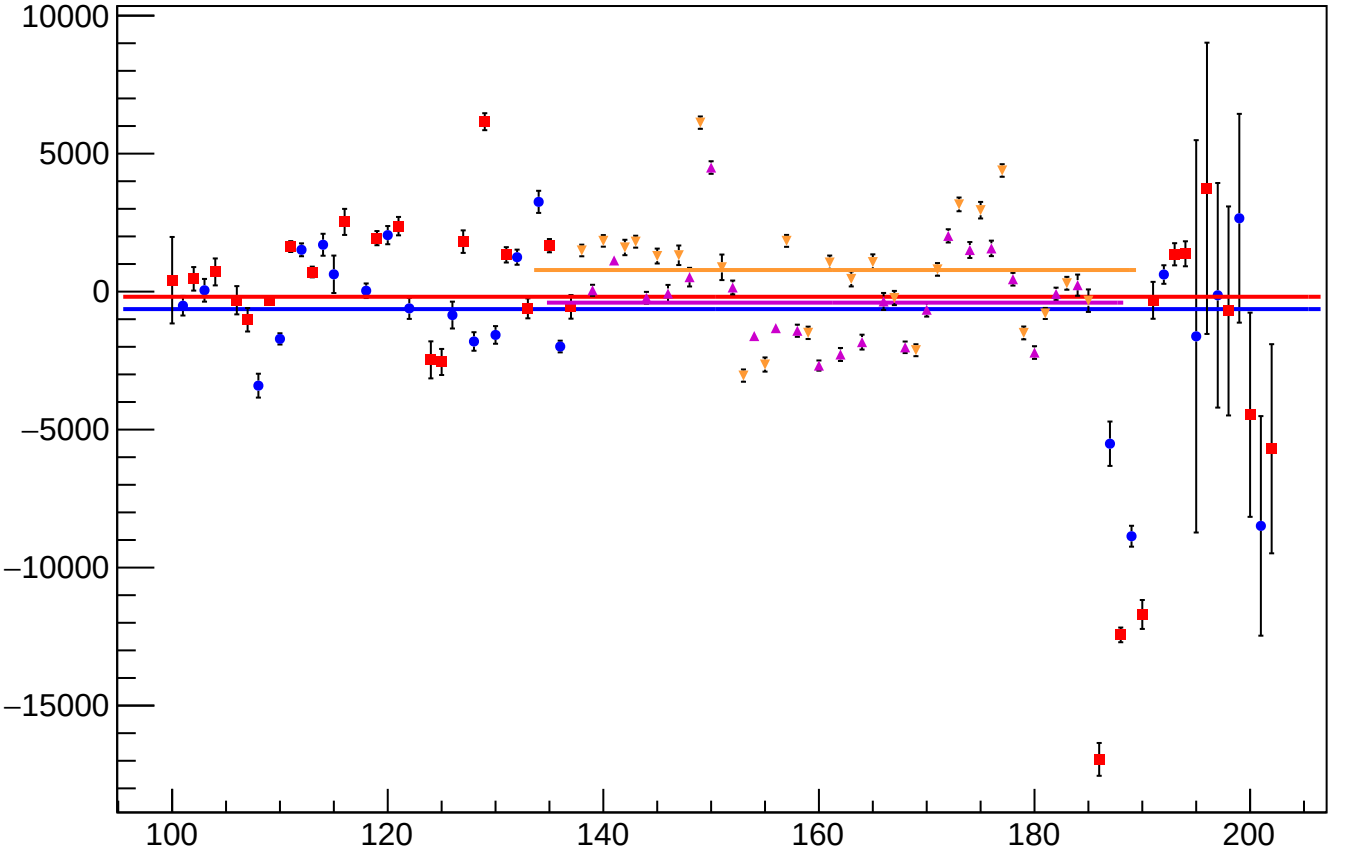
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 208.878+/-0.027 χ^2/NDF: 2613399.5/47

All: 204.101+/-0.019 χ^2/NDF: 6373861.2/99

- sign 199.788+/-0.026 χ^2/NDF: 3701409.2/51

asym_bpm0l08WS_mean vs Slug



Right In: -633.603+/-74.022 χ^2/NDF: 997.1/22

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -186.634+/-65.446 χ^2/NDF: 4276.0/28

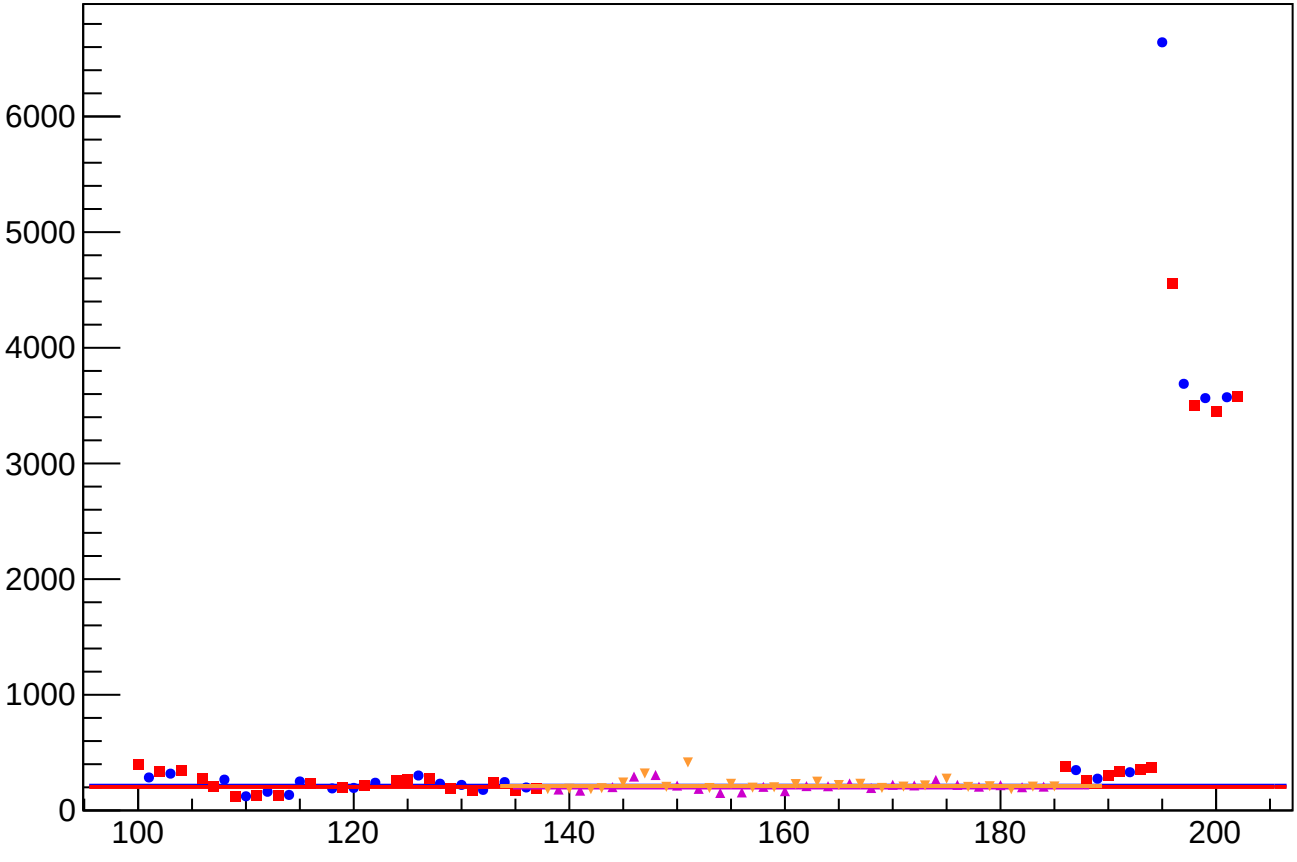
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 348.523+/-40.974 χ^2/NDF: 3252.2/47

All: -8.546+/-28.100 χ^2/NDF: 8910.4/99

- sign -325.606+/-38.610 χ^2/NDF: 5514.9/51

asym_bpm0l08WS_rms vs Slug



Right In: 213.775+/-0.052 χ^2/NDF: 7424916.0/22

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 203.206+/-0.046 χ^2/NDF: 8602043.5/28

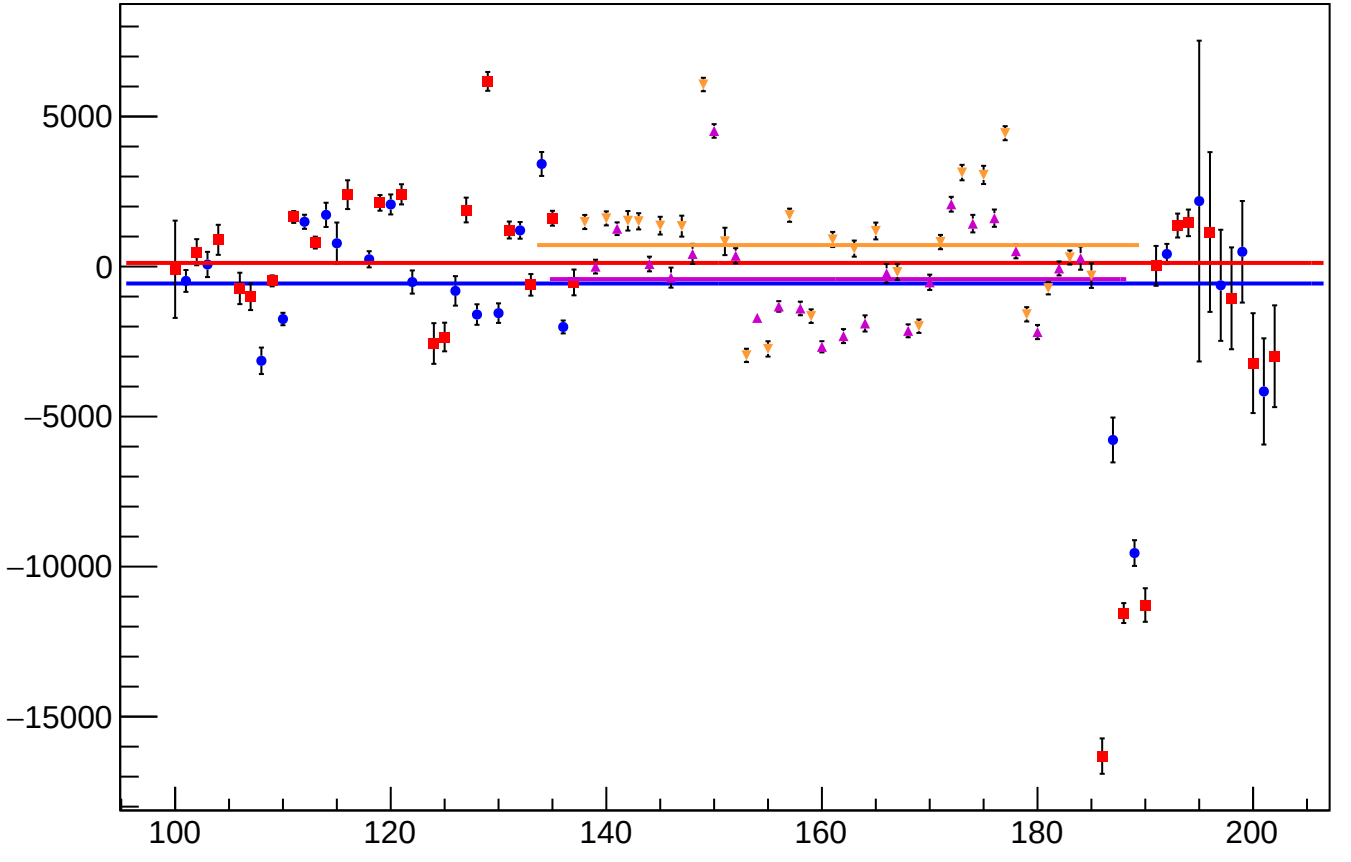
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 212.194+/-0.029 χ^2/NDF: 8361209.8/47

All: 205.817+/-0.020 χ^2/NDF: 18067855.3/99

- sign 200.154+/-0.027 χ^2/NDF: 9615174.4/51

asym_bpm0l09WS_mean vs Slug



Right In: -564.870+/-75.083 χ^2/NDF: 957.8/22

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 120.704+/-67.133 χ^2/NDF: 3166.5/28

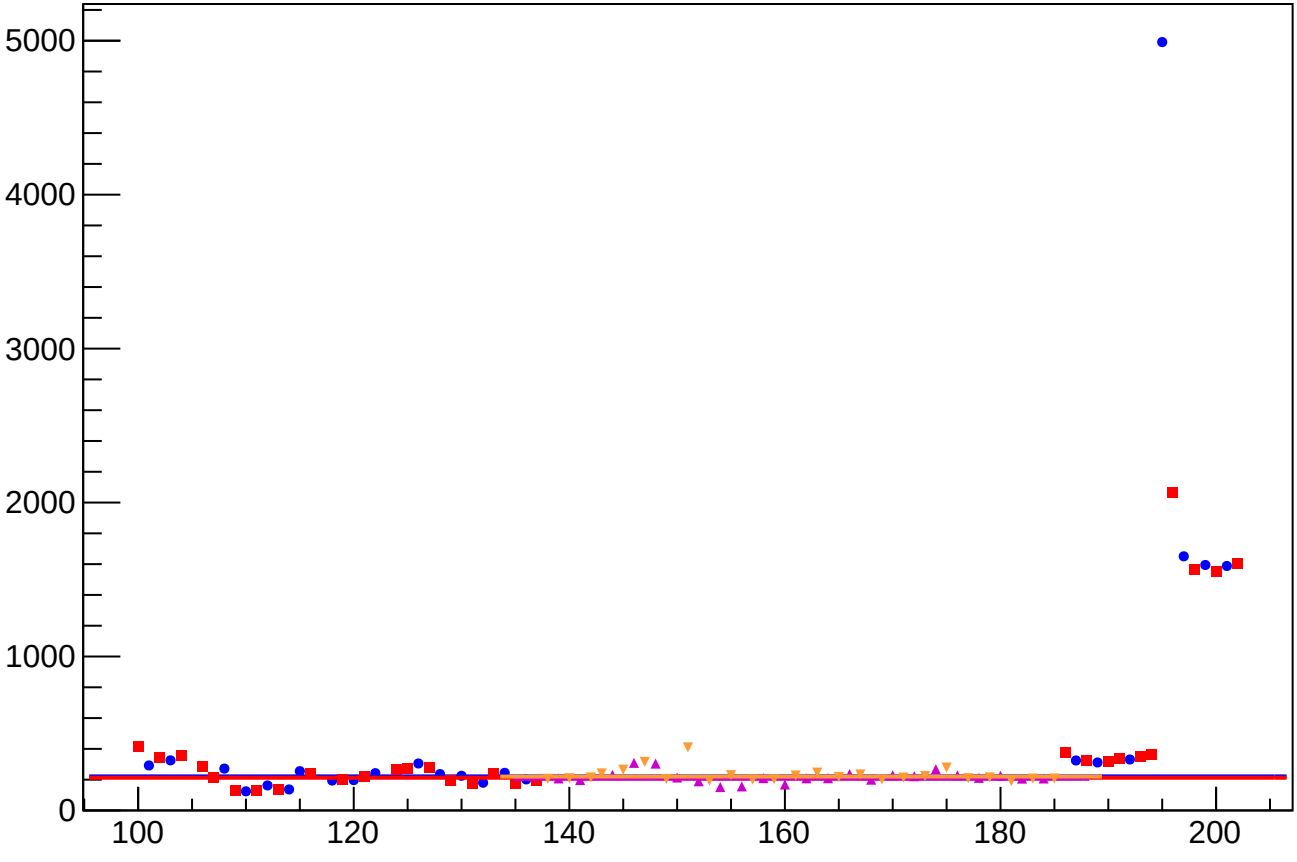
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 310.173+/-42.250 χ^2/NDF: 3074.6/47

All: 25.108+/-28.991 χ^2/NDF: 7609.9/99

- sign -228.528+/-39.853 χ^2/NDF: 4449.3/51

asym_bpm0l09WS_rms vs Slug



Right In: 221.328+/-0.053 χ^2/NDF: 6680849.0/22

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 212.566+/-0.047 χ^2/NDF: 7588377.2/28

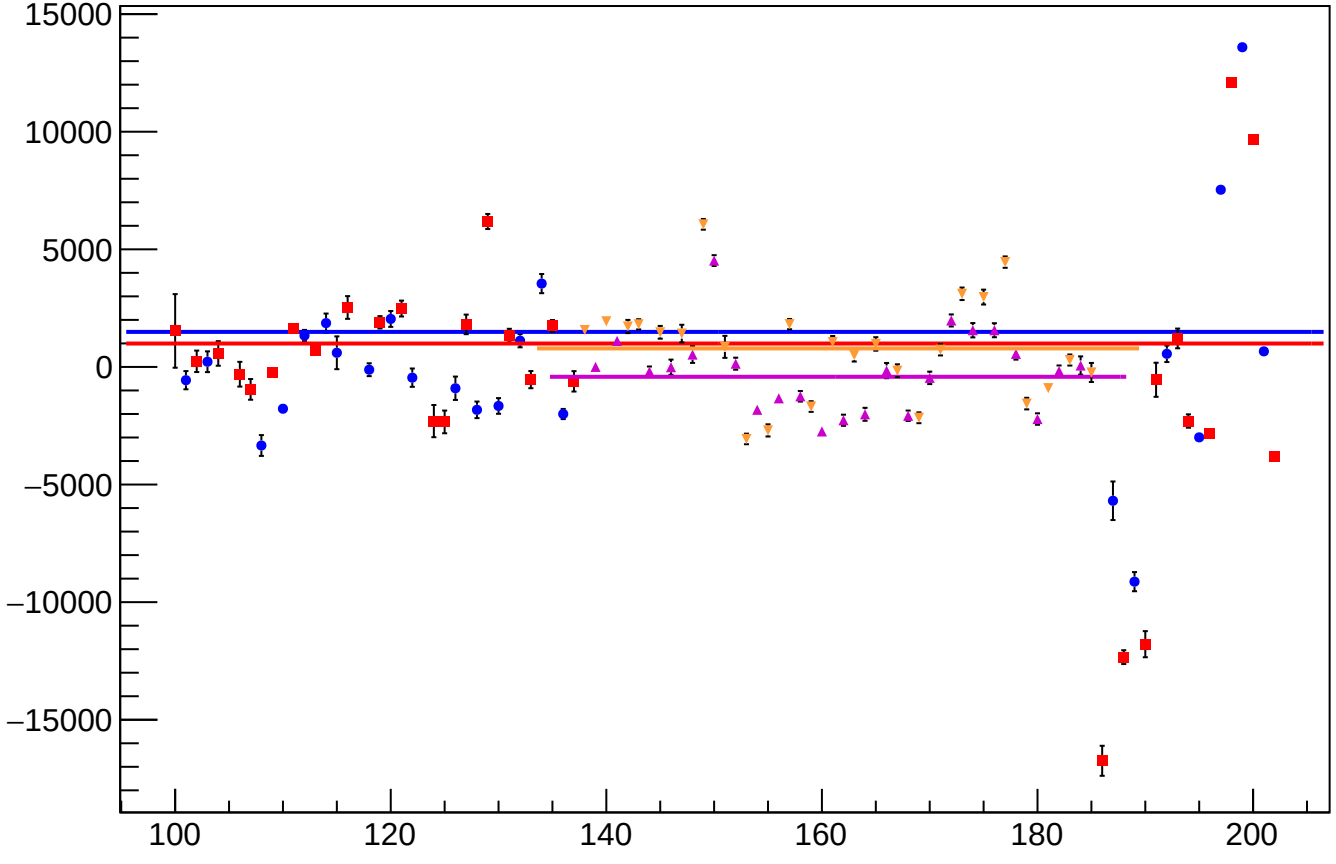
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 220.520+/-0.030 χ^2/NDF: 7480887.9/47

All: 213.883+/-0.020 χ^2/NDF: 16190909.7/99

- sign 207.978+/-0.028 χ^2/NDF: 8616766.6/51

asym_bpm0l10WS_mean vs Slug



Right In: 1489.885+/-61.056 χ^2/NDF: 7040.7/22

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 995.710+/-56.173 χ^2/NDF: 9635.6/28

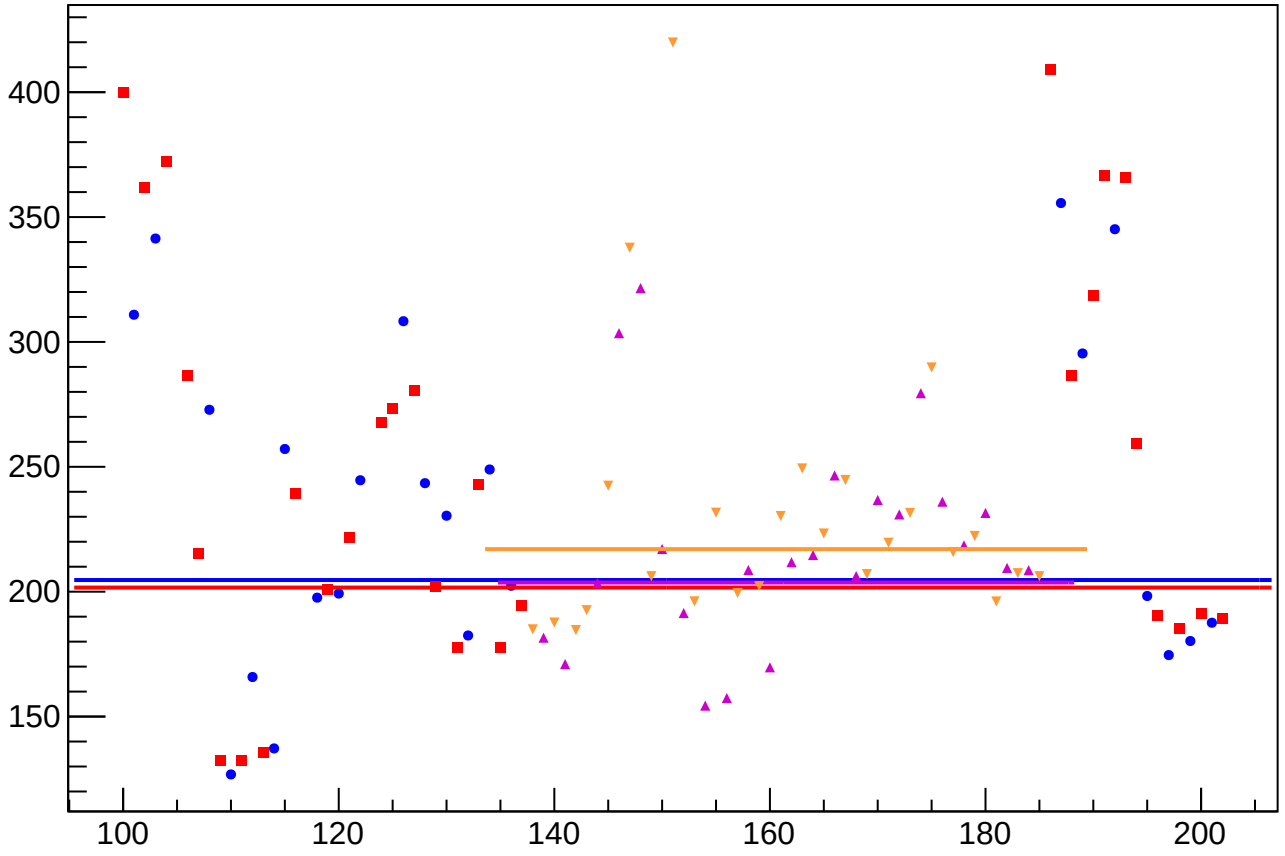
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 1072.637+/-38.925 χ^2/NDF: 9057.0/47

All: 611.238+/-26.814 χ^2/NDF: 20530.1/99

- sign 194.566+/-36.990 χ^2/NDF: 11205.8/51

asym_bpm0l10WS_rms vs Slug



Right In: 204.671+/-0.043 χ^2/NDF: 1545355.2/22

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

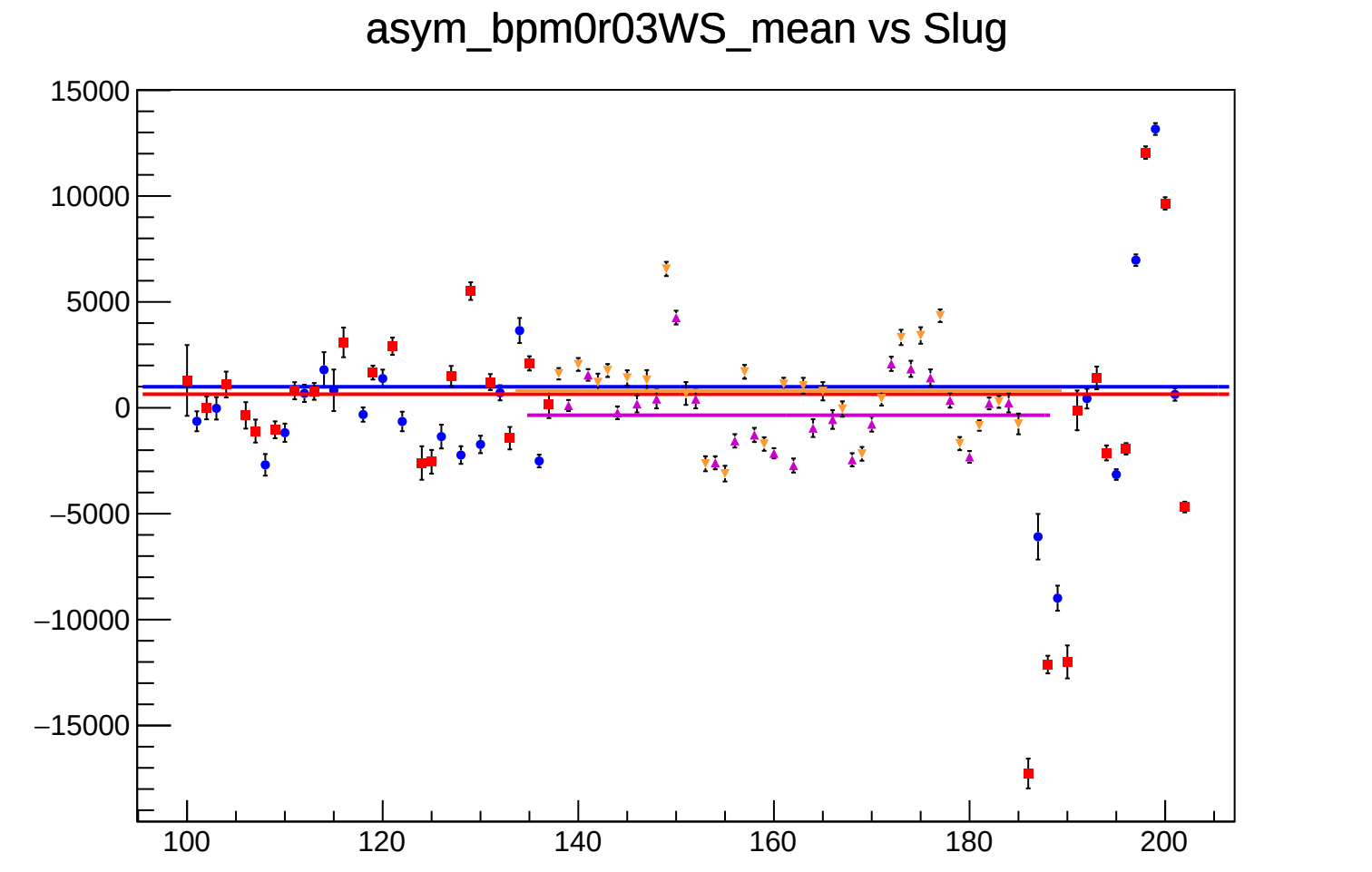
Right Out: 201.650+/-0.040 χ^2/NDF: 2476110.3/28

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 212.013+/-0.028 χ^2/NDF: 2577247.5/47

All: 207.165+/-0.019 χ^2/NDF: 6279162.0/99

- sign 202.788+/-0.026 χ^2/NDF: 3642896.0/51



Right In: 993.335+/-83.542 χ^2/NDF: 3387.9/22

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 642.523+/-79.126 χ^2/NDF: 5187.6/28

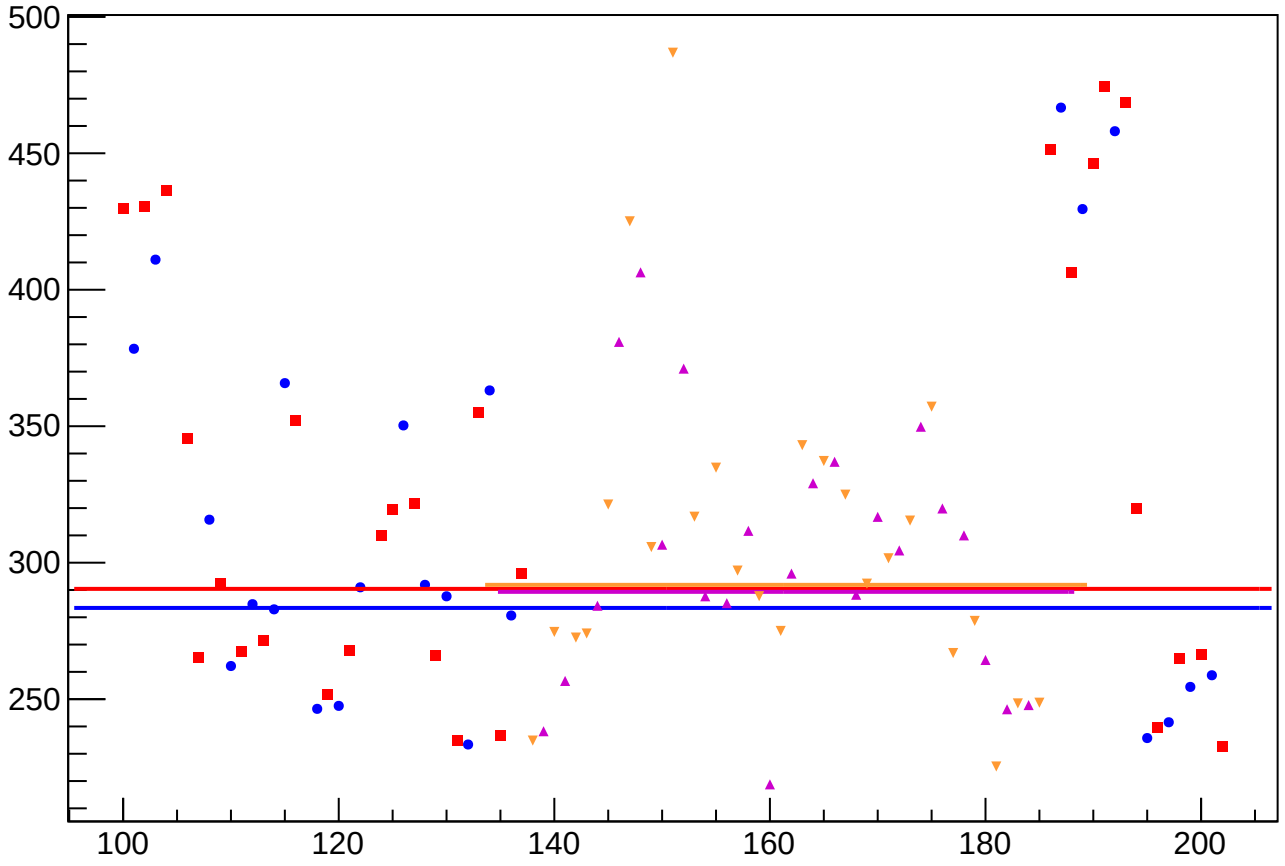
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 878.891+/-52.594 χ^2/NDF: 4448.7/47

All: 474.163+/-36.977 χ^2/NDF: 10498.8/99

- sign 78.567+/-51.998 χ^2/NDF: 5933.1/51

asym_bpm0r03WS_rms vs Slug



Right In: 283.426+/-0.059 χ^2/NDF: 983703.6/22

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 290.406+/-0.056 χ^2/NDF: 1344400.7/28

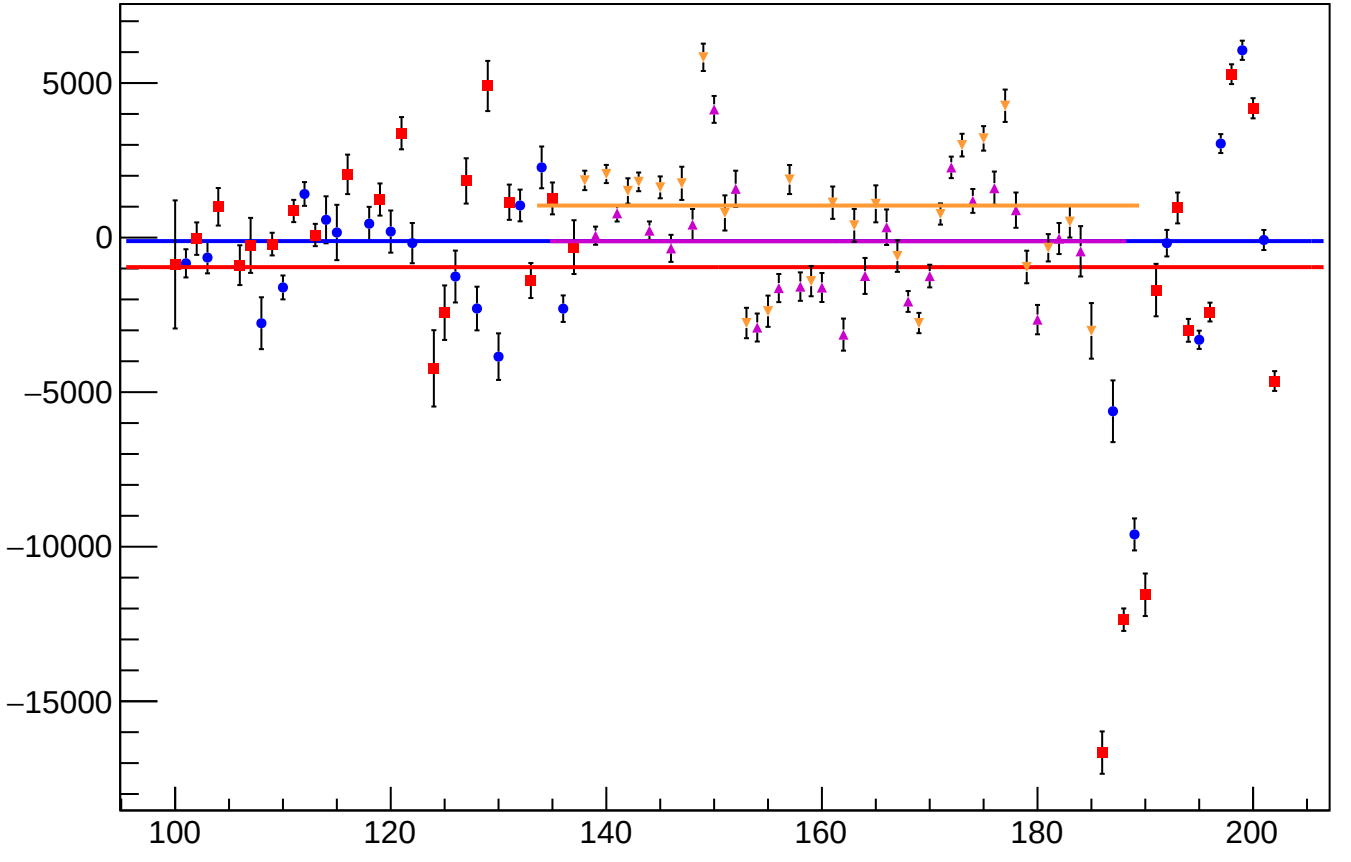
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 288.531+/-0.037 χ^2/NDF: 1955993.8/47

All: 289.167+/-0.026 χ^2/NDF: 4109793.3/99

- sign 289.790+/-0.037 χ^2/NDF: 2153219.9/51

asym_bpm0r05WS_mean vs Slug



Right In: -113.167+/-98.467 χ^2/NDF: 1110.6/22

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -955.763+/-89.884 χ^2/NDF: 2846.8/28

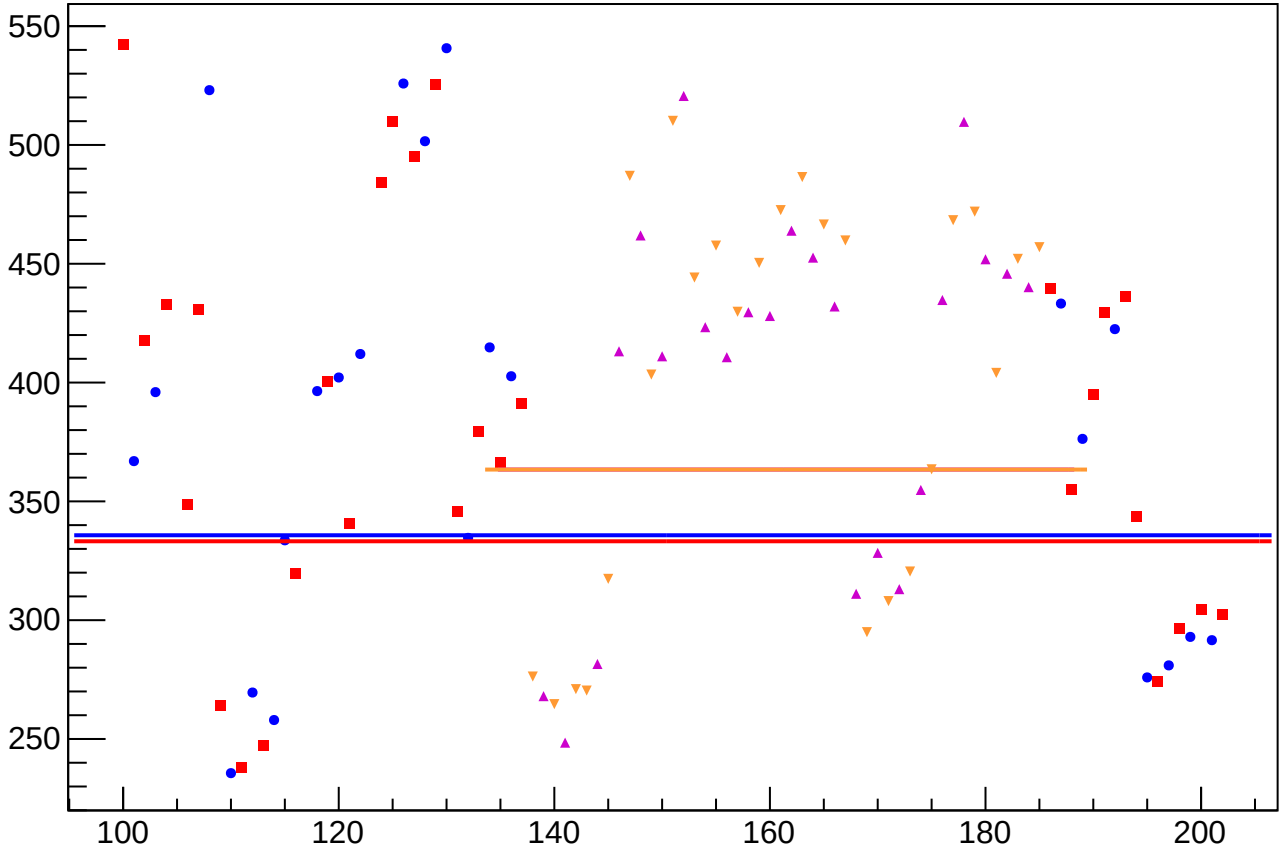
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 544.754+/-64.429 χ^2/NDF: 1758.8/47

All: -4.830+/-44.929 χ^2/NDF: 5162.4/99

- sign -525.031+/-62.684 χ^2/NDF: 3261.9/51

asym_bpm0r05WS_rms vs Slug



Right In: 335.738+/-0.070 χ^2/NDF: 1193447.7/22

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 333.206+/-0.064 χ^2/NDF: 1181733.4/28

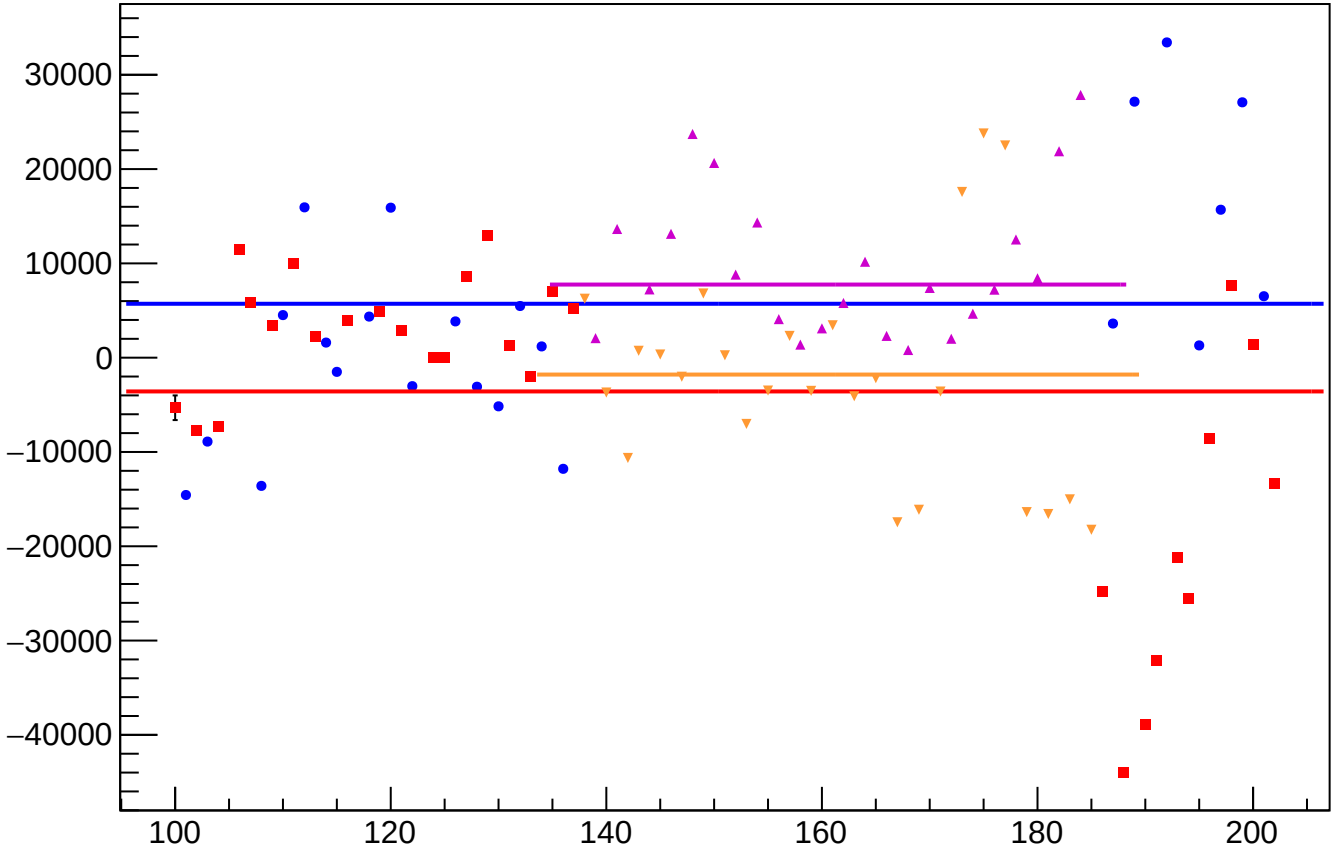
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 351.549+/-0.046 χ^2/NDF: 3224121.1/47

All: 350.090+/-0.032 χ^2/NDF: 6235271.1/99

- sign 348.709+/-0.044 χ^2/NDF: 3009152.4/51

asym_bpm0i02WS_mean vs Slug



Right In: 5716.885+/-44.476 χ^2/NDF: 88179.3/22

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3579.838+/-41.172 χ^2/NDF: 135638.5/28

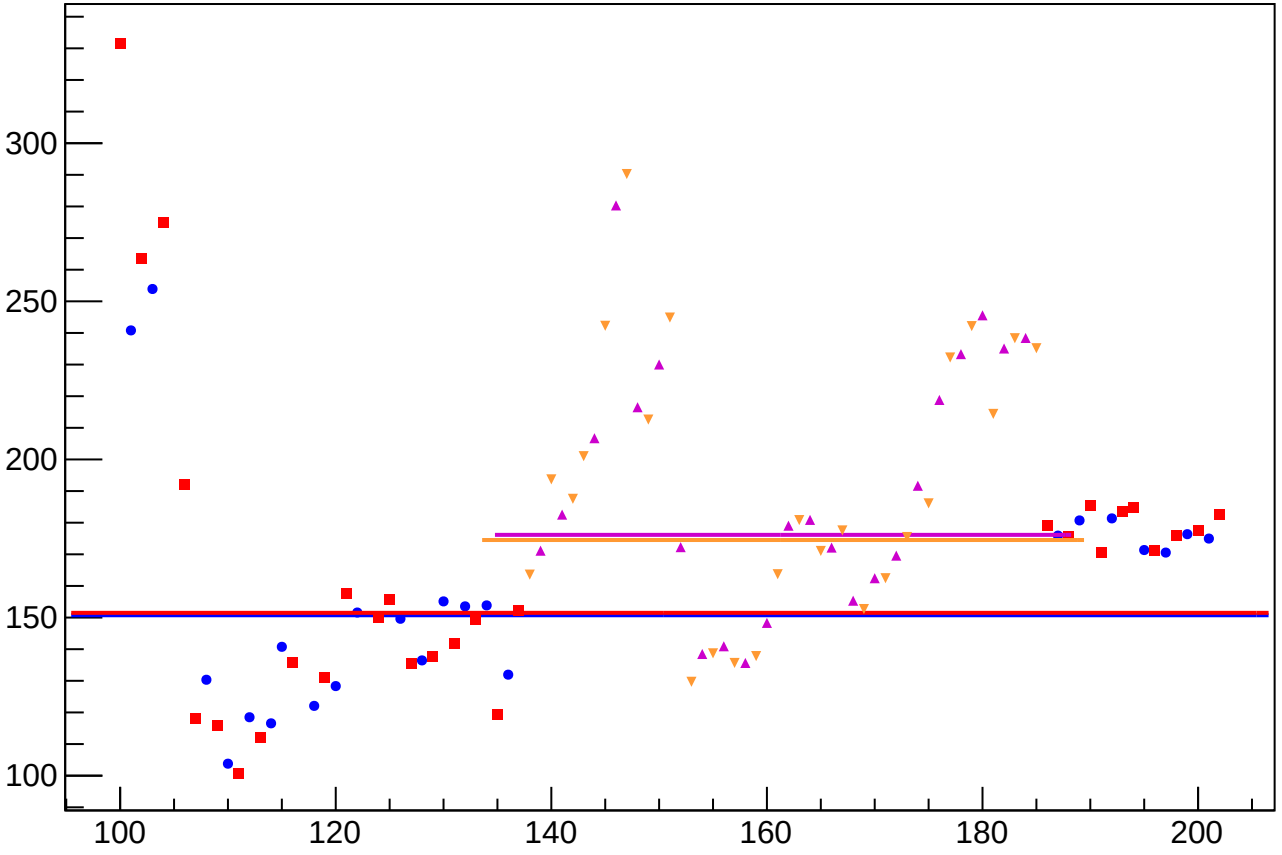
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1650.352+/-30.109 χ^2/NDF: 169358.4/47

All: 1776.293+/-21.106 χ^2/NDF: 364936.5/99

- sign 1897.969+/-29.595 χ^2/NDF: 195543.7/51

asym_bpm0i02WS_rms vs Slug



Right In: 150.732+/-0.031 χ^2/NDF: 964358.5/22

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 151.496+/-0.029 χ^2/NDF: 1418465.5/28

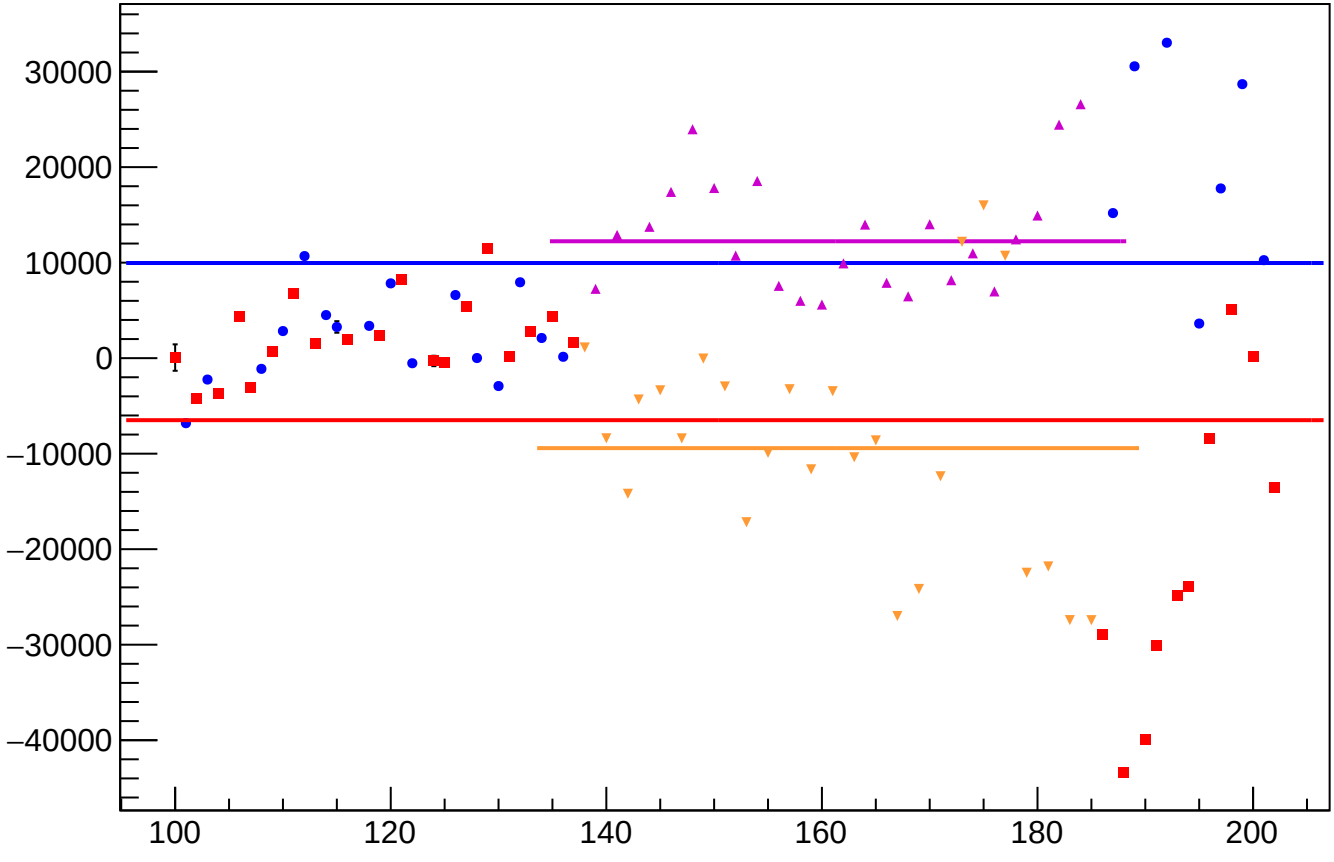
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 163.618+/-0.021 χ^2/NDF: 2933763.8/47

All: 163.514+/-0.015 χ^2/NDF: 6066058.0/99

- sign 163.413+/-0.021 χ^2/NDF: 3132247.2/51

asym_bpm0i02aWS_mean vs Slug



Right In: 9961.689+/-51.637 χ^2/NDF: 48092.3/22

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6492.500+/-46.913 χ^2/NDF: 104922.7/28

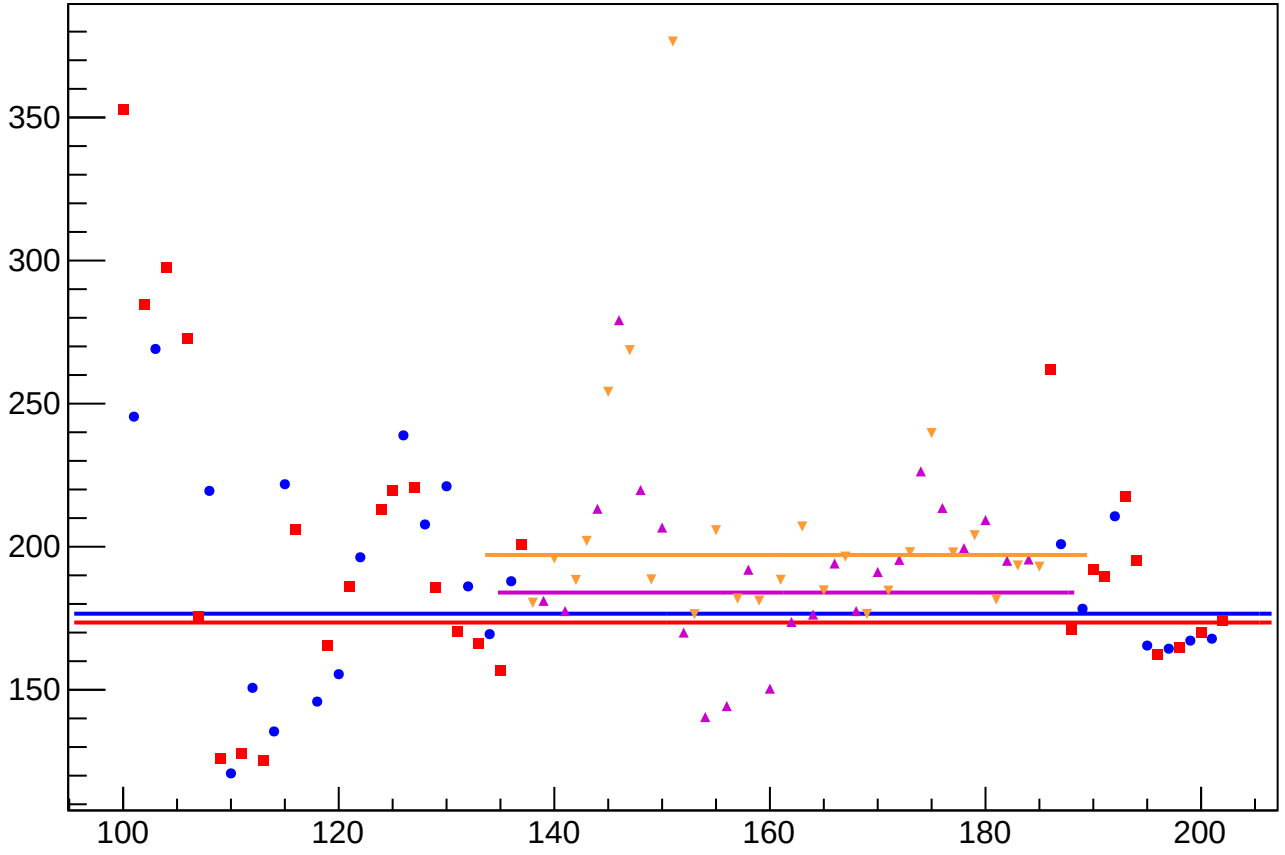
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -907.400+/-34.221 χ^2/NDF: 191819.9/47

All: 1396.048+/-23.439 χ^2/NDF: 405753.7/99

- sign 3431.476+/-32.169 χ^2/NDF: 205399.5/51

asym_bpm0i02aWS_rms vs Slug



Right In: 176.598+/-0.037 χ^2/NDF: 759488.6/22

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.516+/-0.033 χ^2/NDF: 1193304.1/28

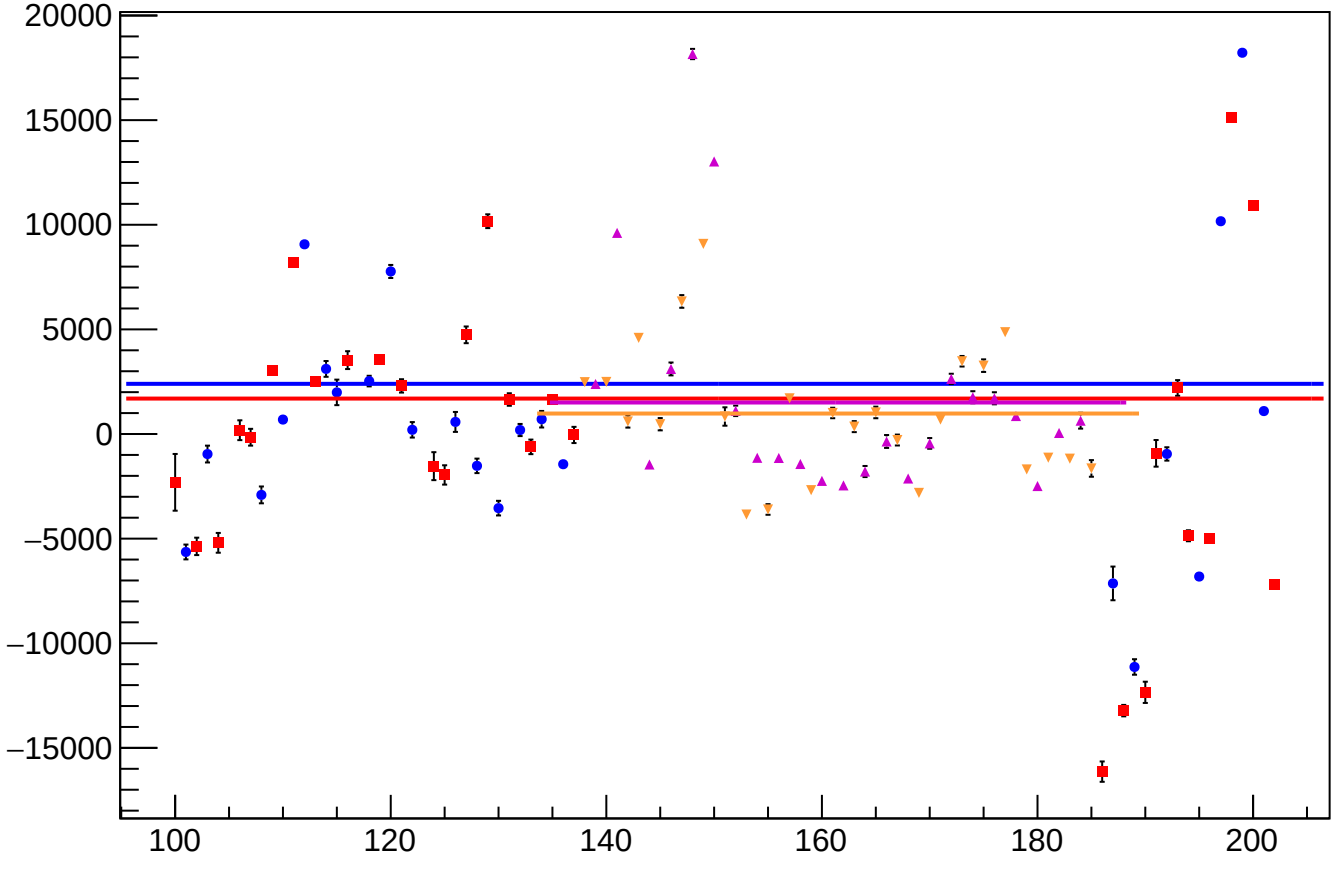
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.108+/-0.024 χ^2/NDF: 1669214.3/47

All: 183.306+/-0.017 χ^2/NDF: 3819248.9/99

- sign 179.063+/-0.023 χ^2/NDF: 2075857.6/51

asym_bpm0i05WS_mean vs Slug



Right In: 2397.835+/-58.149 χ^2/NDF: 14986.5/22

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1693.670+/-53.091 χ^2/NDF: 18208.0/28

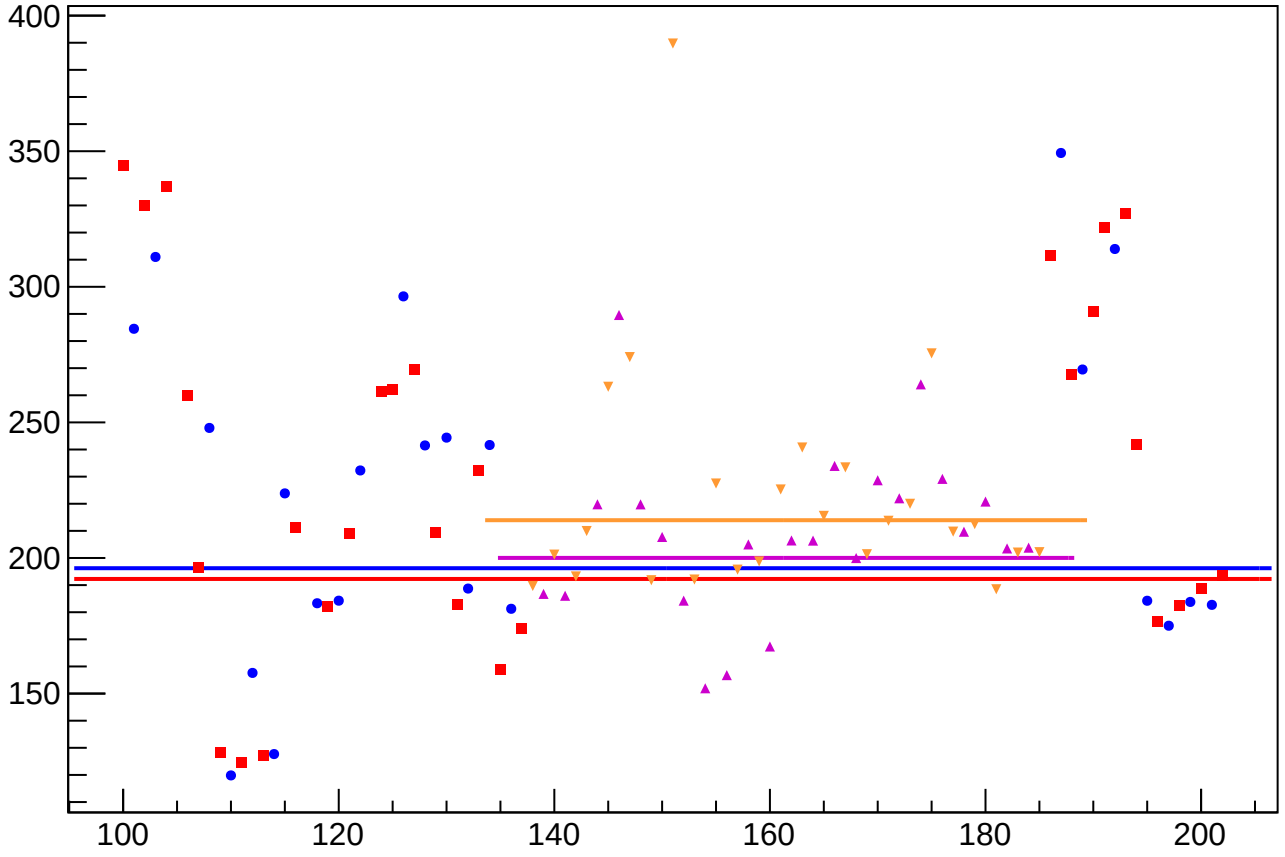
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

\+ sign 1576.310+/-37.740 χ^2/NDF: 19654.2/47

All: 1583.553+/-25.906 χ^2/NDF: 49349.9/99

\- sign 1590.007+/-35.626 χ^2/NDF: 29695.5/51

asym_bpm0i05WS_rms vs Slug



Right In: 196.231+/-0.041 χ^2/NDF: 1439003.5/22

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.267+/-0.038 χ^2/NDF: 2233721.8/28

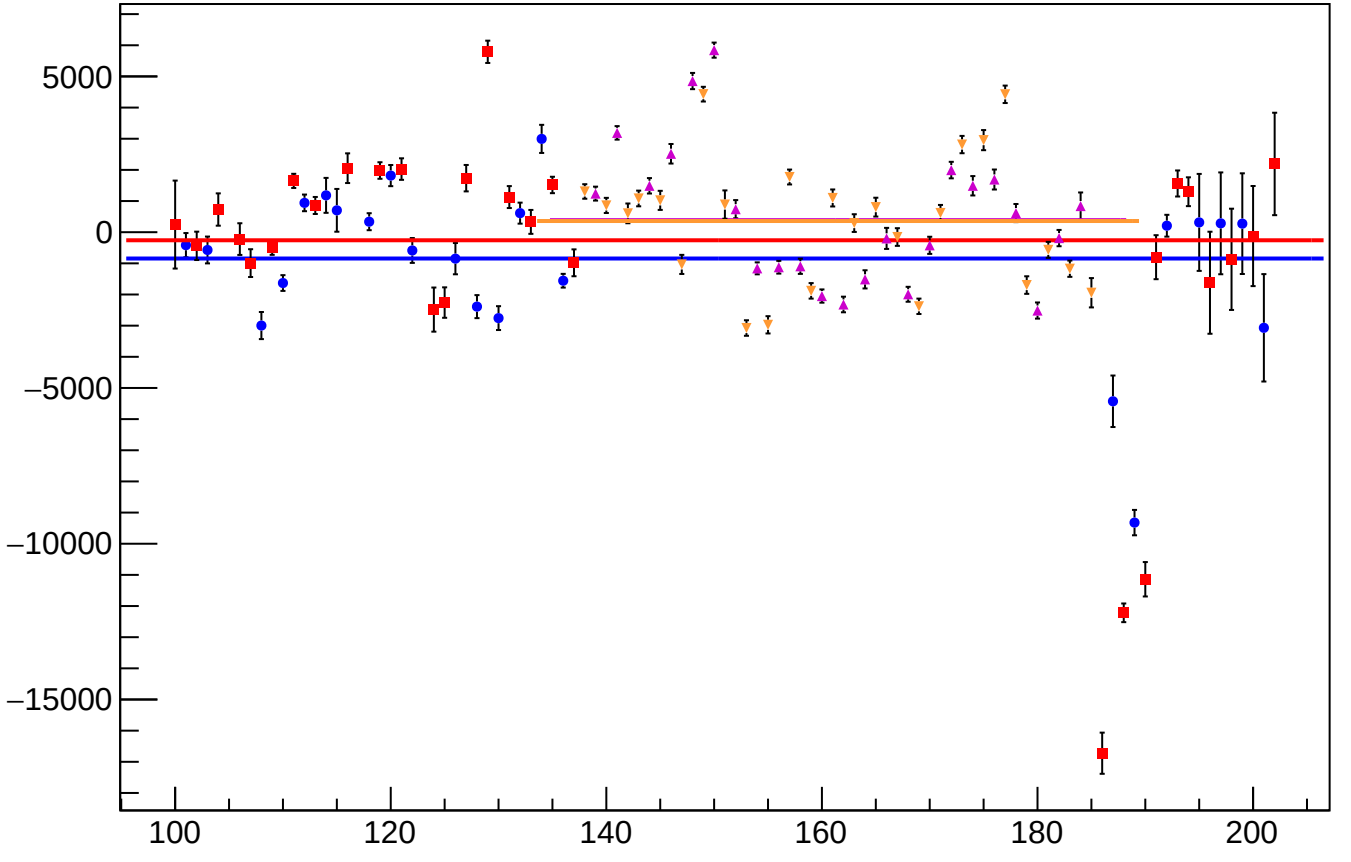
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.475+/-0.027 χ^2/NDF: 2279897.0/47

All: 201.219+/-0.018 χ^2/NDF: 5396033.5/99

- sign 196.535+/-0.025 χ^2/NDF: 3042759.3/51

asym_bpm0i07WS_mean vs Slug



Right In: -844.895+/-81.586 χ^2/NDF: 799.4/22

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -259.235+/-73.873 χ^2/NDF: 3271.1/28

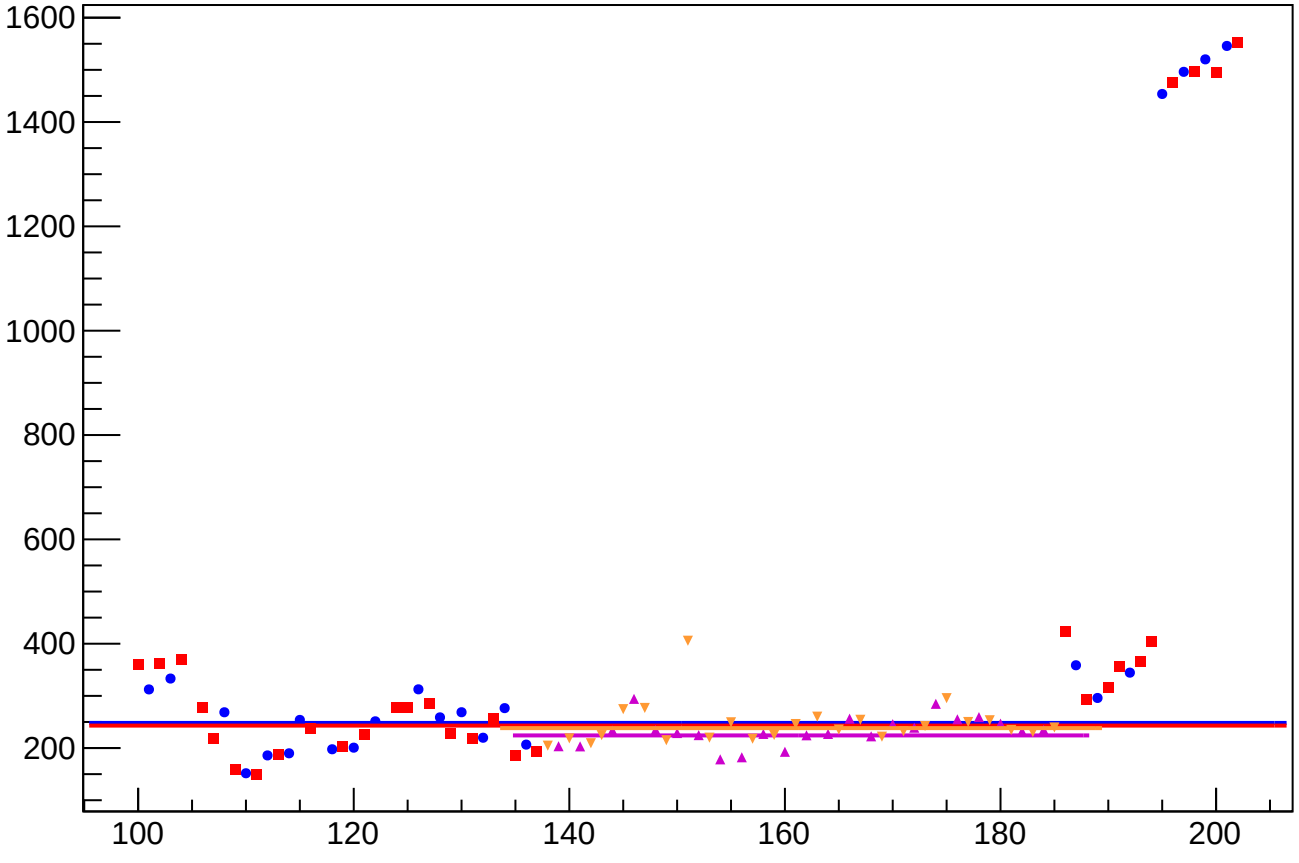
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -17.309+/-45.600 χ^2/NDF: 2368.0/47

All: 78.188+/-31.417 χ^2/NDF: 7501.7/99

- sign 164.475+/-43.345 χ^2/NDF: 5125.4/51

asym_bpm0i07WS_rms vs Slug



Right In: 248.165+/-0.058 χ^2/NDF: 5753751.7/22

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 243.033+/-0.052 χ^2/NDF: 6748615.2/28

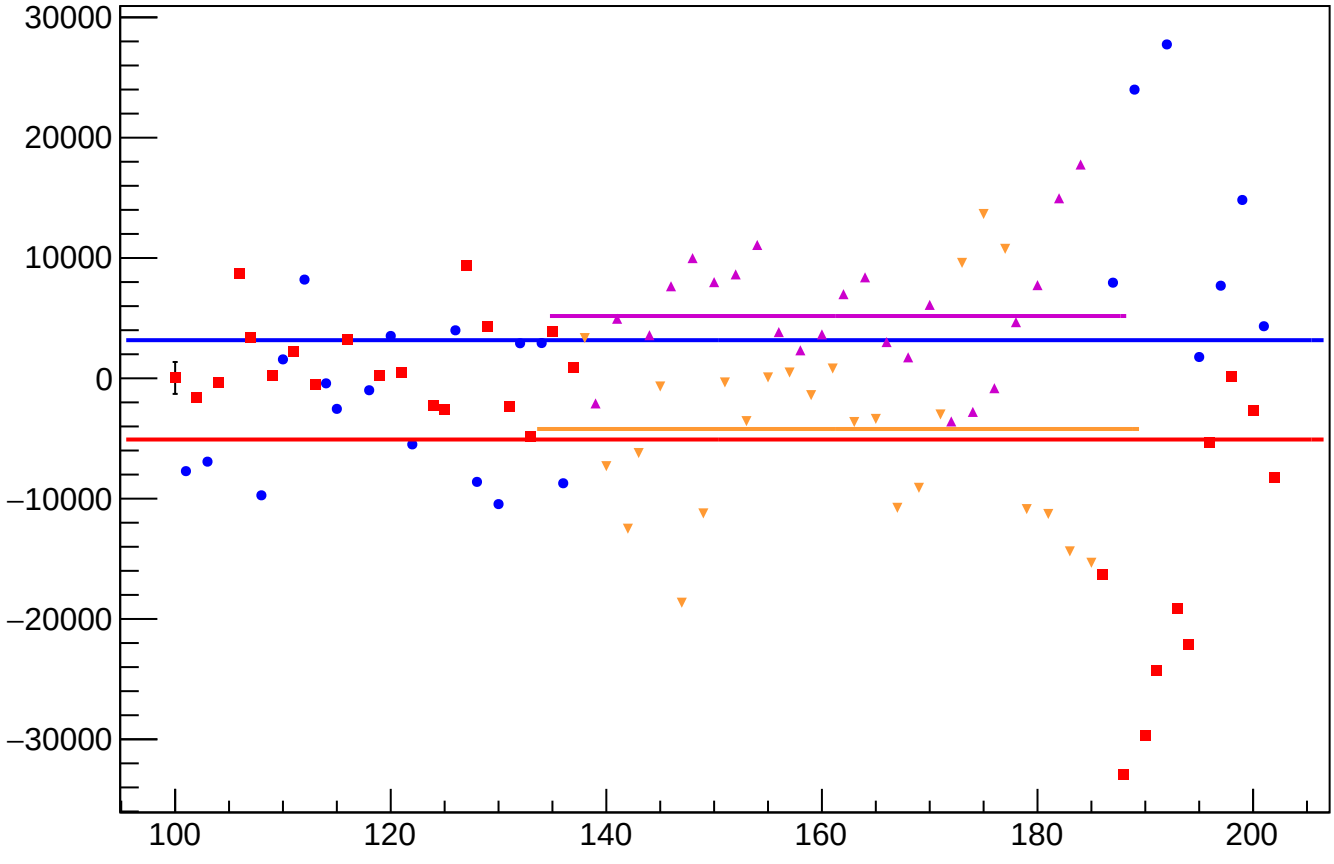
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 241.313+/-0.032 χ^2/NDF: 6342208.2/47

All: 235.733+/-0.022 χ^2/NDF: 13796177.2/99

- sign 230.692+/-0.031 χ^2/NDF: 7396969.7/51

asym_bpm1i02WS_mean vs Slug



Right In: 3170.576+/-37.749 χ^2/NDF: 75667.9/22

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5085.297+/-34.709 χ^2/NDF: 102886.3/28

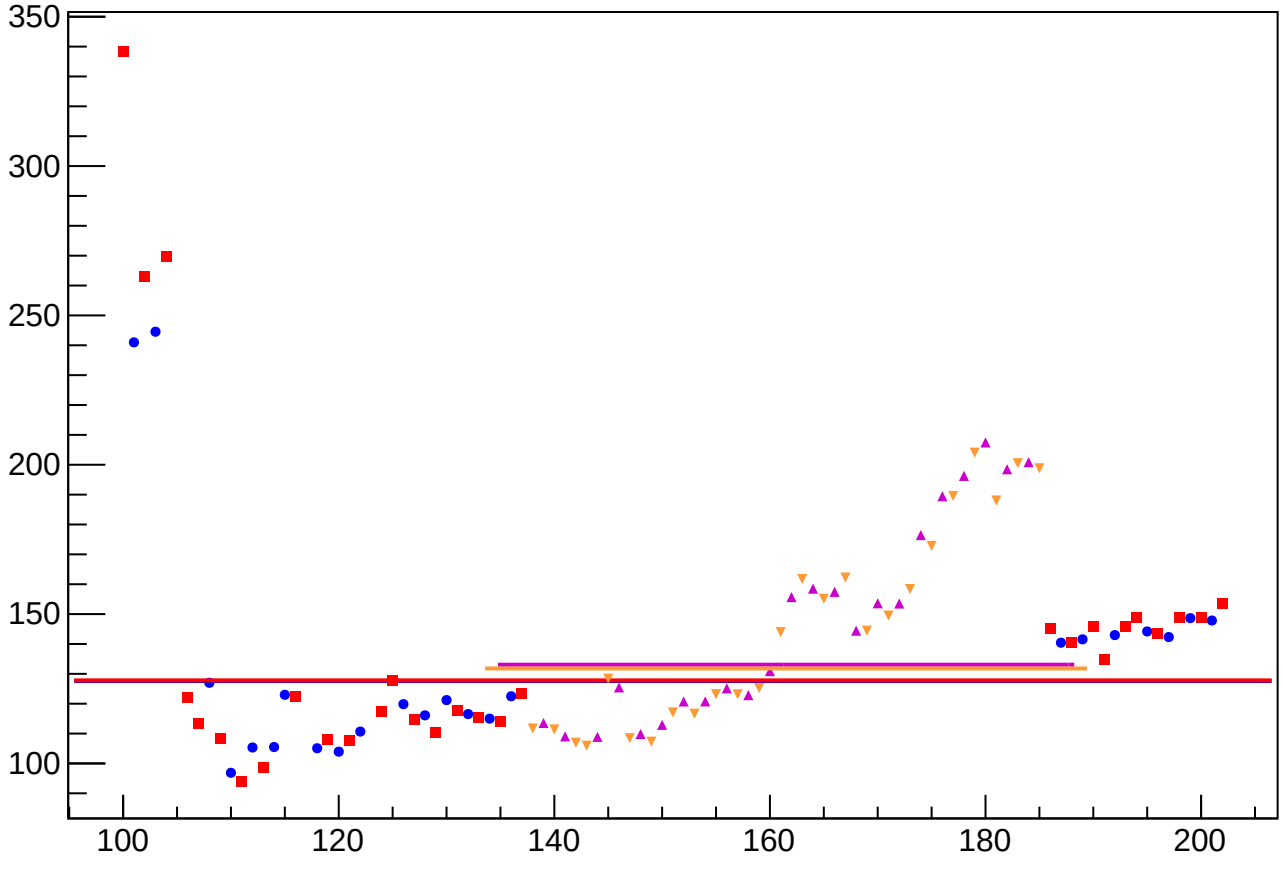
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1257.356+/-23.877 χ^2/NDF: 155407.1/47

All: -381.765+/-16.754 χ^2/NDF: 326790.3/99

- sign 467.423+/-23.515 χ^2/NDF: 168734.4/51

asym_bpm1i02WS_rms vs Slug



Right In: 127.589+/-0.027 χ^2/NDF: 951188.0/22

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 127.812+/-0.025 χ^2/NDF: 1248333.7/28

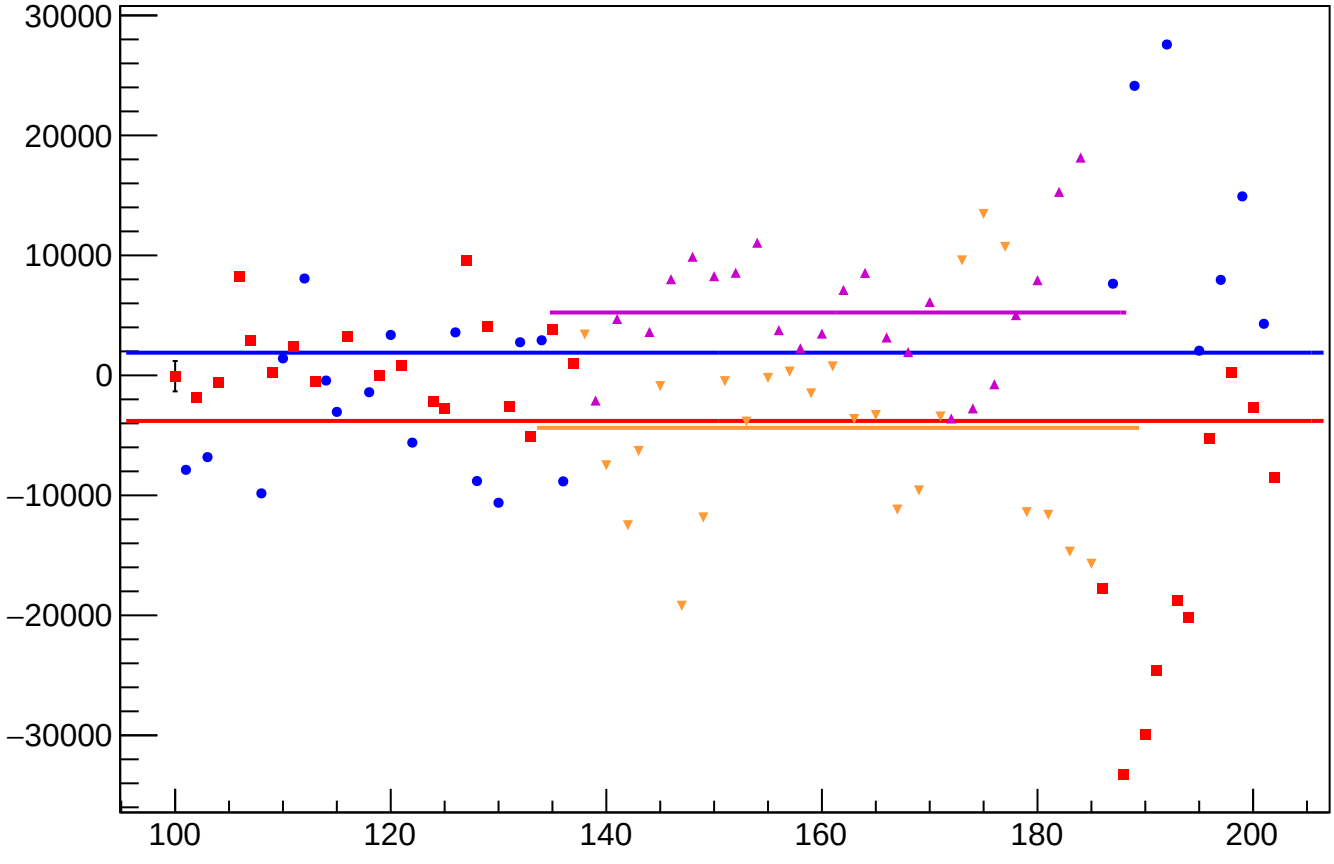
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 130.114+/-0.017 χ^2/NDF: 2510439.6/47

All: 130.387+/-0.012 χ^2/NDF: 5202292.4/99

- sign 130.652+/-0.017 χ^2/NDF: 2691337.2/51

asym_bpm1i04WS_mean vs Slug



Right In: 1890.533+/-33.733 χ^2/NDF: 82748.9/22

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -3796.350+/-31.252 χ^2/NDF: 110615.6/28

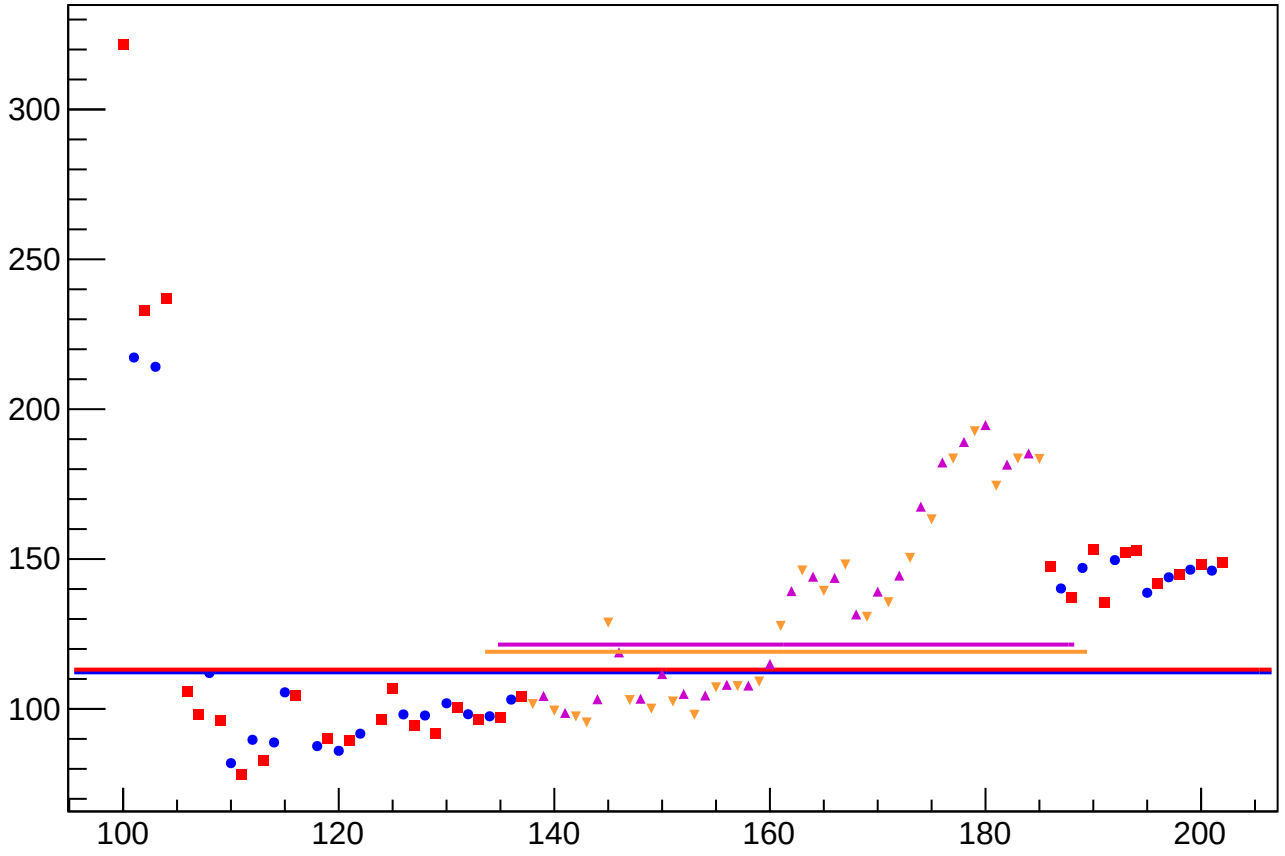
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -1822.653+/-21.525 χ^2/NDF: 170405.1/47

All: -390.108+/-15.160 χ^2/NDF: 356645.5/99

- sign 1020.086+/-21.356 χ^2/NDF: 177450.7/51

asym_bpm1i04WS_rms vs Slug



Right In: 112.210+/-0.024 χ^2/NDF: 1530254.5/22

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 113.120+/-0.022 χ^2/NDF: 2005450.5/28

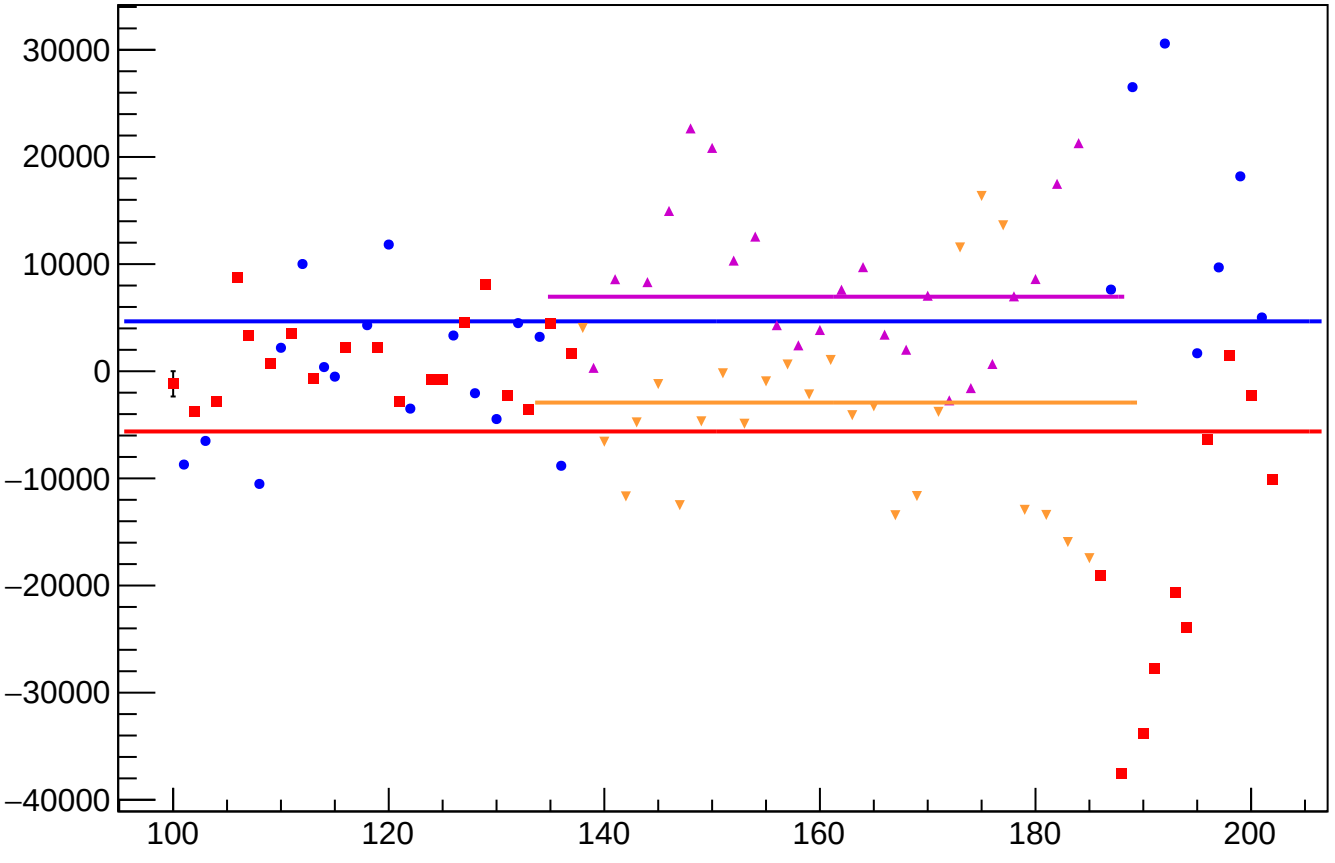
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 116.274+/-0.015 χ^2/NDF: 3334635.9/47

All: 116.927+/-0.011 χ^2/NDF: 6949179.0/99

- sign 117.570+/-0.015 χ^2/NDF: 3610888.0/51

asym_bpm1i06WS_mean vs Slug



Right In: 4657.816+/-44.358 χ^2/NDF: 60371.7/22

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -5620.415+/-41.152 χ^2/NDF: 92440.4/28

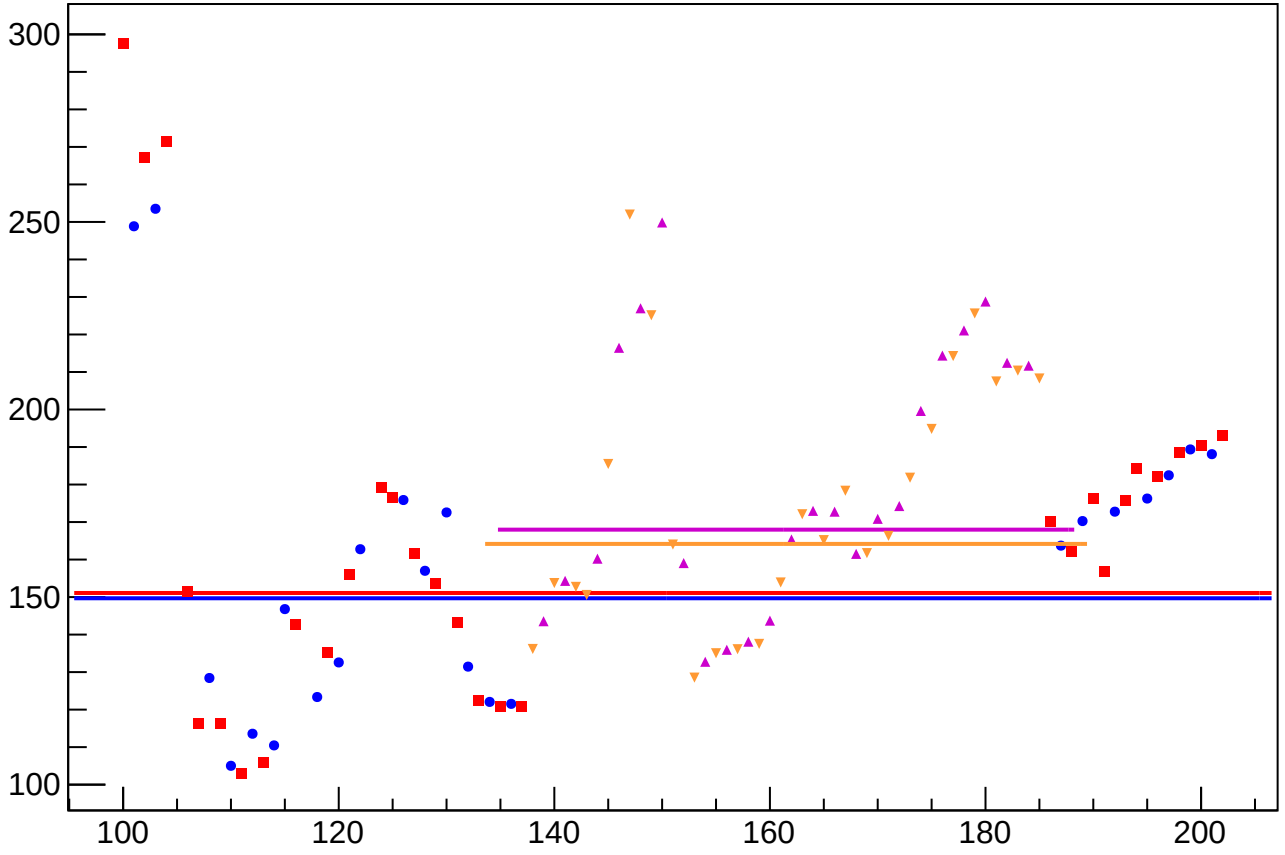
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 303.555+/-28.939 χ^2/NDF: 115199.9/47

All: 557.394+/-20.404 χ^2/NDF: 277878.4/99

- sign 808.318+/-28.773 χ^2/NDF: 162525.5/51

asym_bpm1i06WS_rms vs Slug



Right In: 149.681+/-0.031 χ^2/NDF: 1212514.5/22

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 151.092+/-0.029 χ^2/NDF: 1516924.2/28

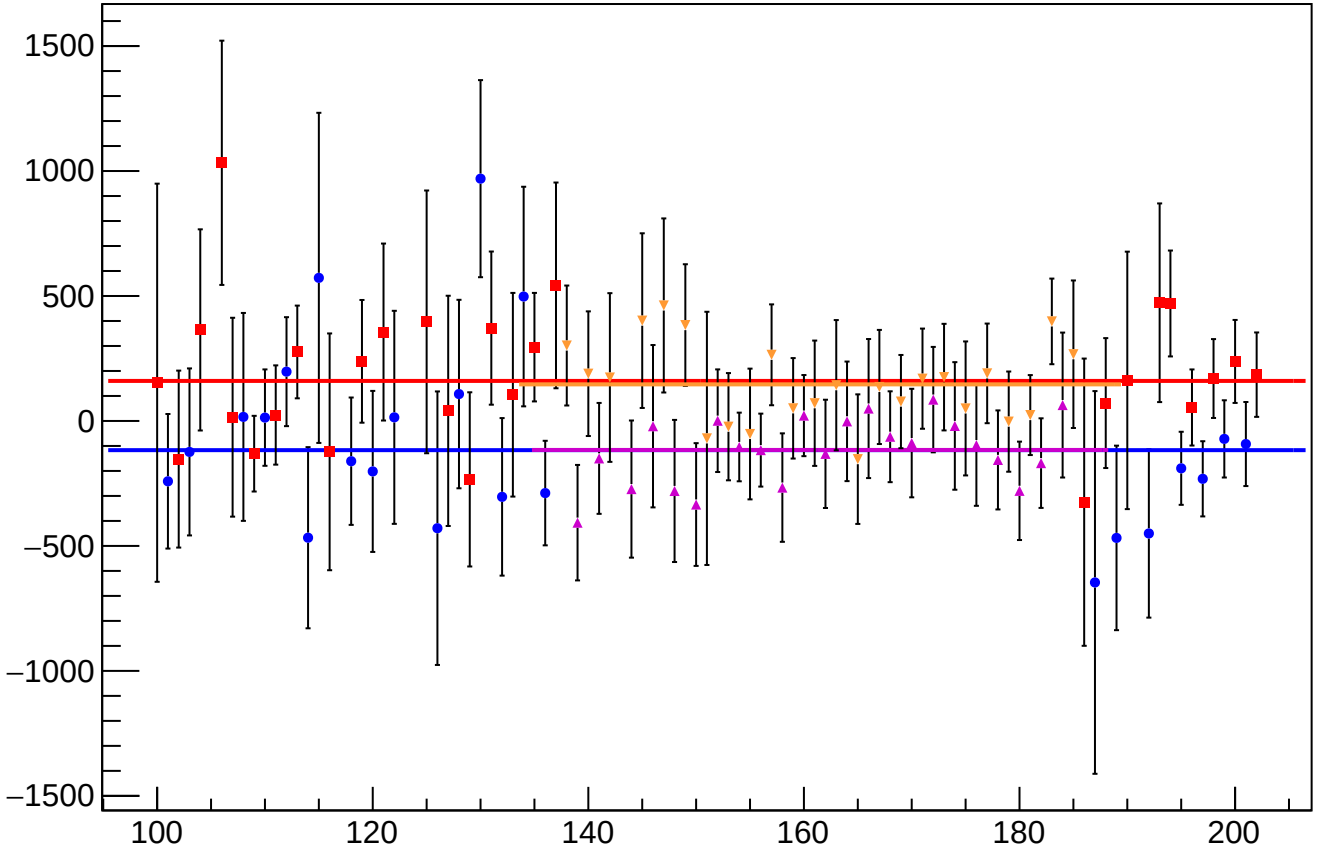
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 158.004+/-0.020 χ^2/NDF: 2559517.4/47

All: 158.868+/-0.014 χ^2/NDF: 5474791.0/99

- sign 159.722+/-0.020 χ^2/NDF: 2911732.3/51

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -116.814+/-52.853 χ^2/NDF: 19.6/22

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 160.184+/-48.879 χ^2/NDF: 17.3/26

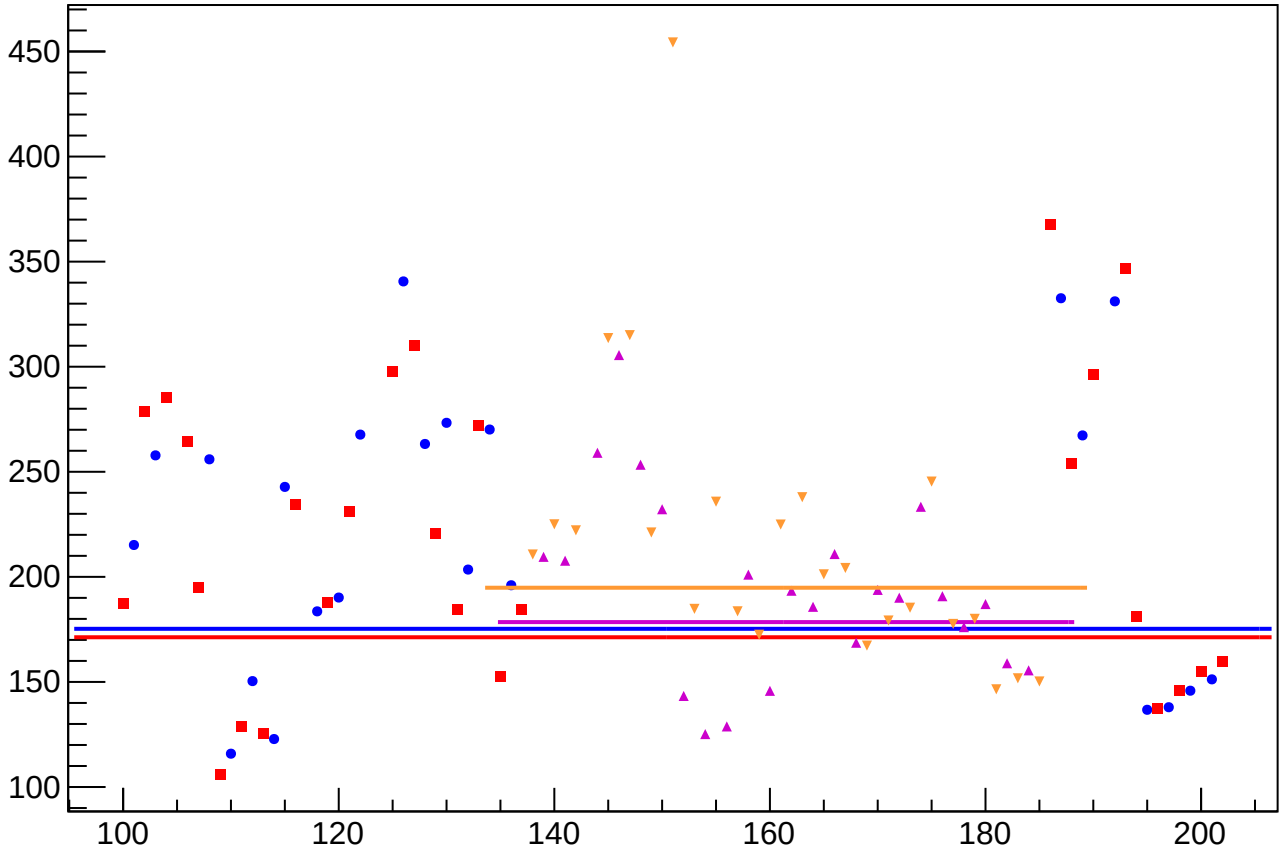
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 30.338+/-35.092 χ^2/NDF: 43.4/46

All: 17.470+/-23.860 χ^2/NDF: 86.4/96

- sign 6.406+/-32.539 χ^2/NDF: 42.7/49

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 175.281+/-0.037 χ^2/NDF: 2176964.0/22

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

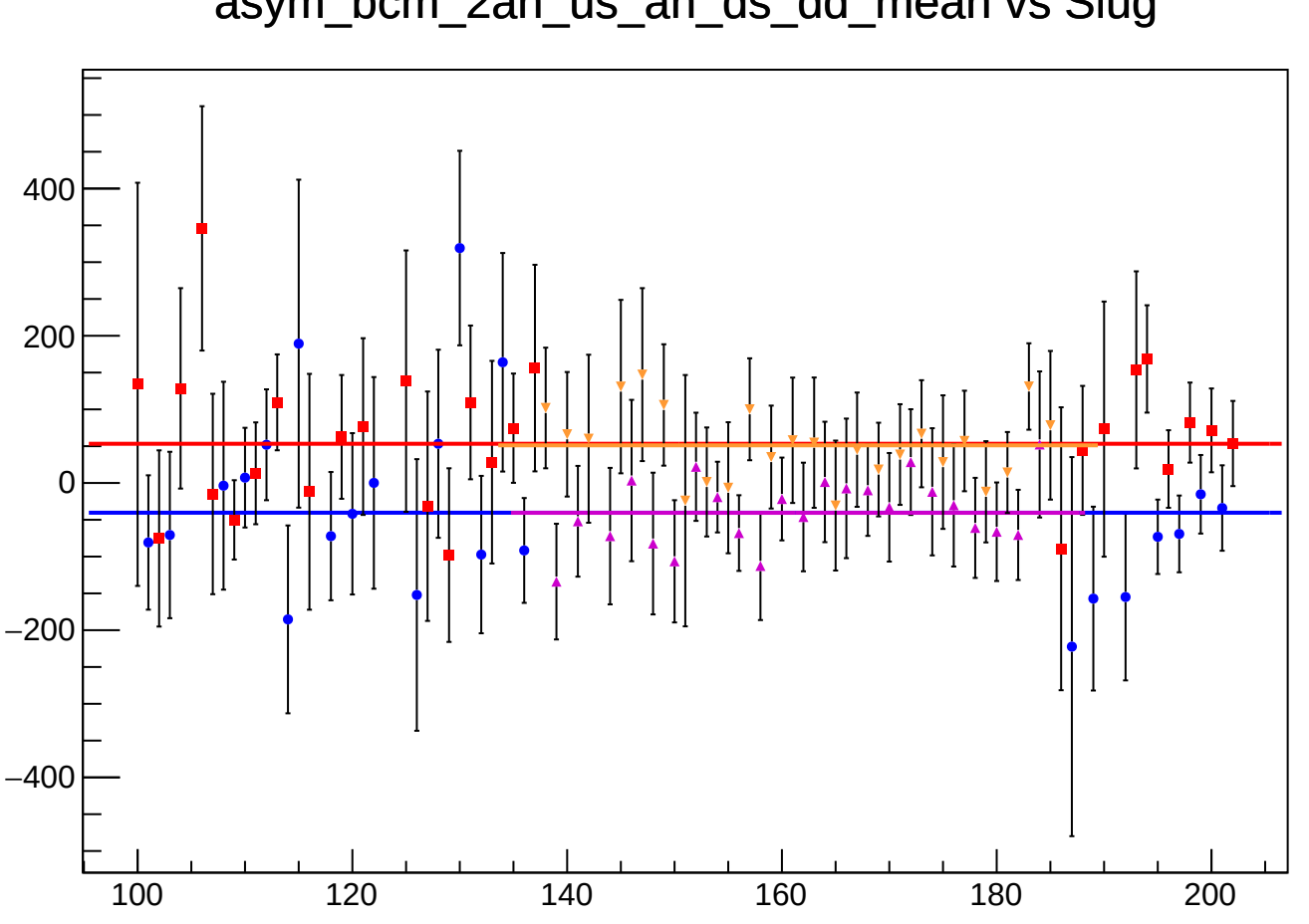
Right Out: 171.257+/-0.035 χ^2/NDF: 2721512.1/26

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 186.211+/-0.025 χ^2/NDF: 4082411.4/46

All: 180.332+/-0.017 χ^2/NDF: 8608885.3/96

- sign 175.277+/-0.023 χ^2/NDF: 4422064.1/49



Right In: -40.398+/-18.166 χ^2/NDF: 19.3/22

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 53.263+/-16.837 χ^2/NDF: 17.4/26

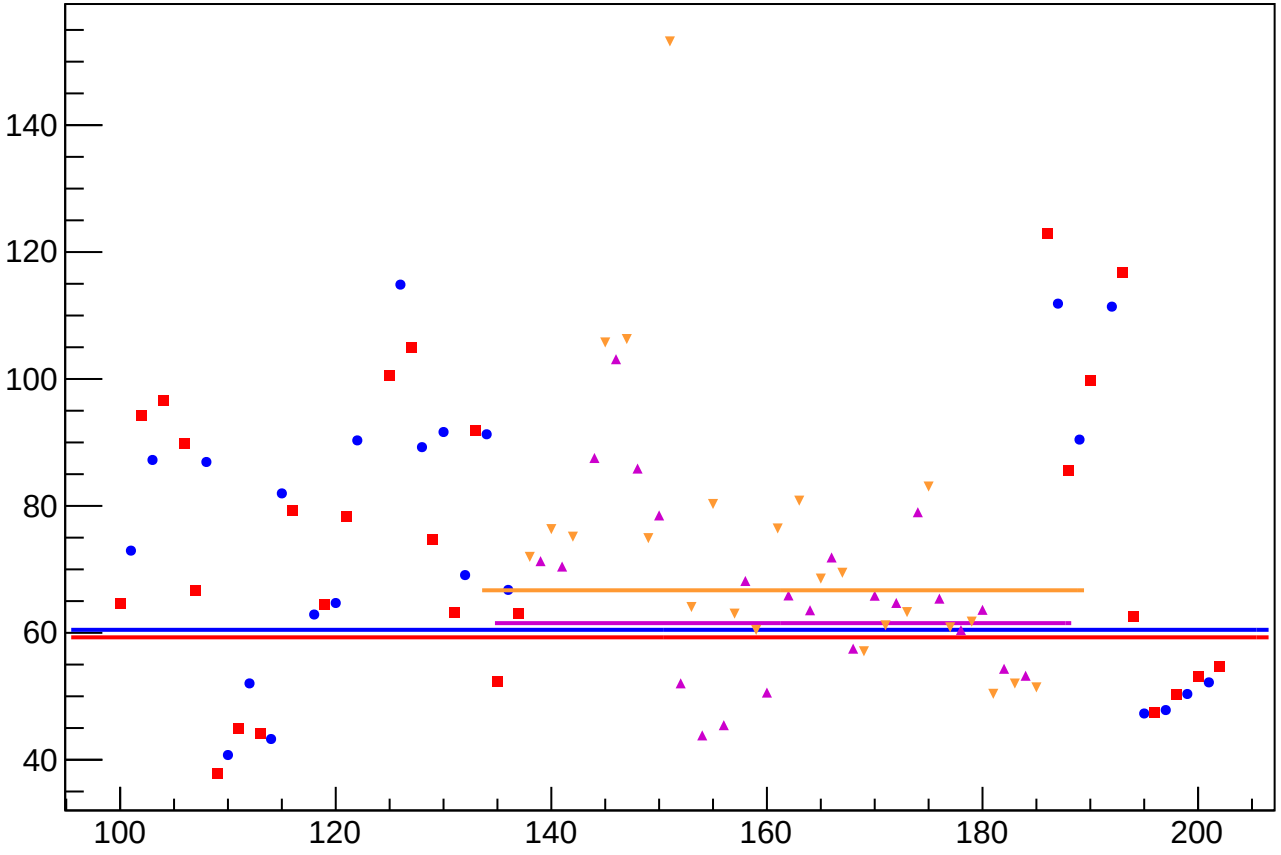
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 11.060+/-12.023 χ^2/NDF: 41.6/46

All: 5.615+/-8.191 χ^2/NDF: 84.7/96

- sign 0.898+/-11.191 χ^2/NDF: 42.6/49

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 60.476+/-0.013 χ^2/NDF: 2026706.4/22

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

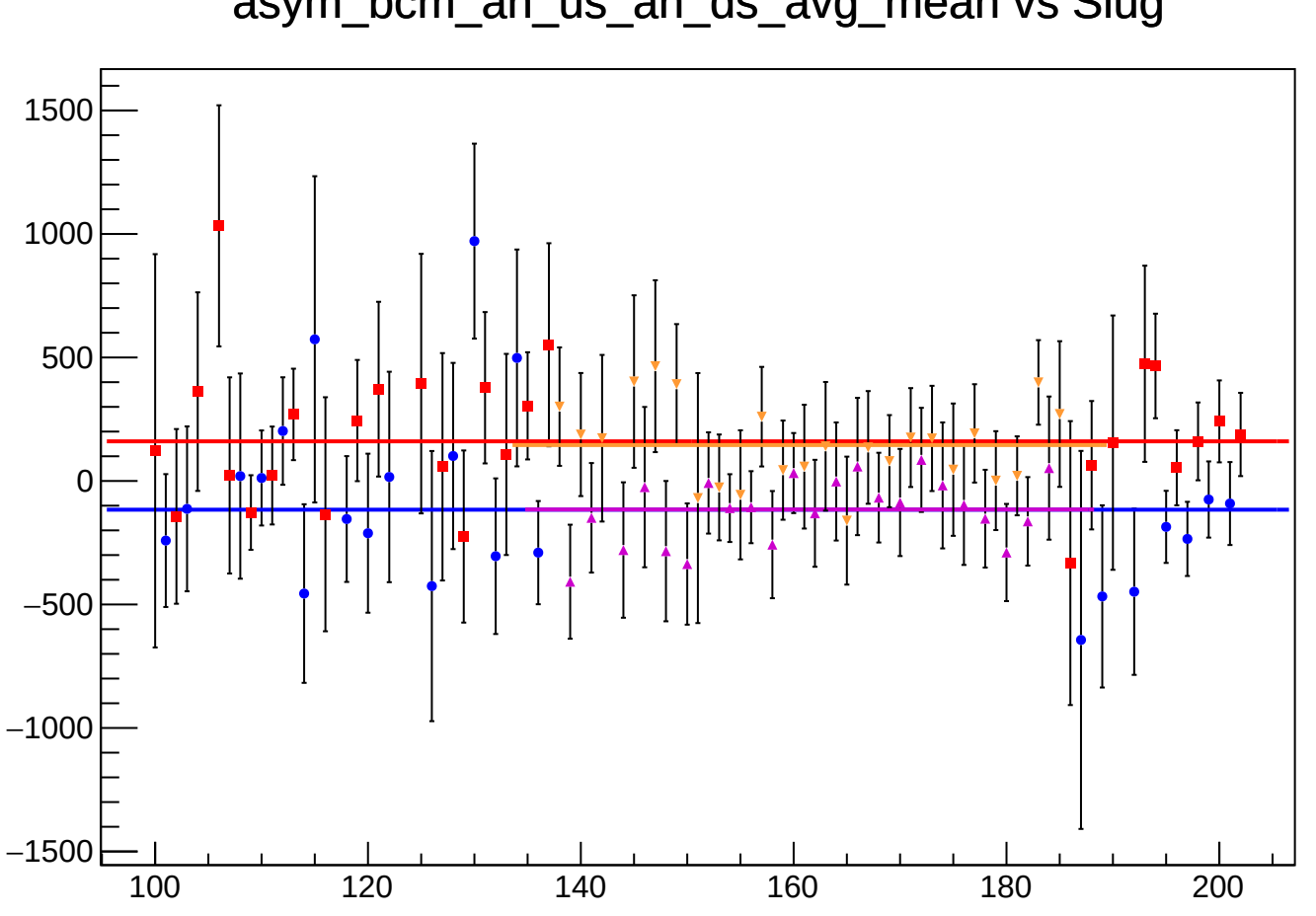
Right Out: 59.291+/-0.012 χ^2/NDF: 2516750.3/26

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 63.976+/-0.009 χ^2/NDF: 3835119.5/46

All: 62.135+/-0.006 χ^2/NDF: 7948922.1/96

- sign 60.540+/-0.008 χ^2/NDF: 4026318.3/49



Right In: -116.312+/-52.785 χ^2/NDF: 19.6/22

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 160.514+/-48.818 χ^2/NDF: 17.3/26

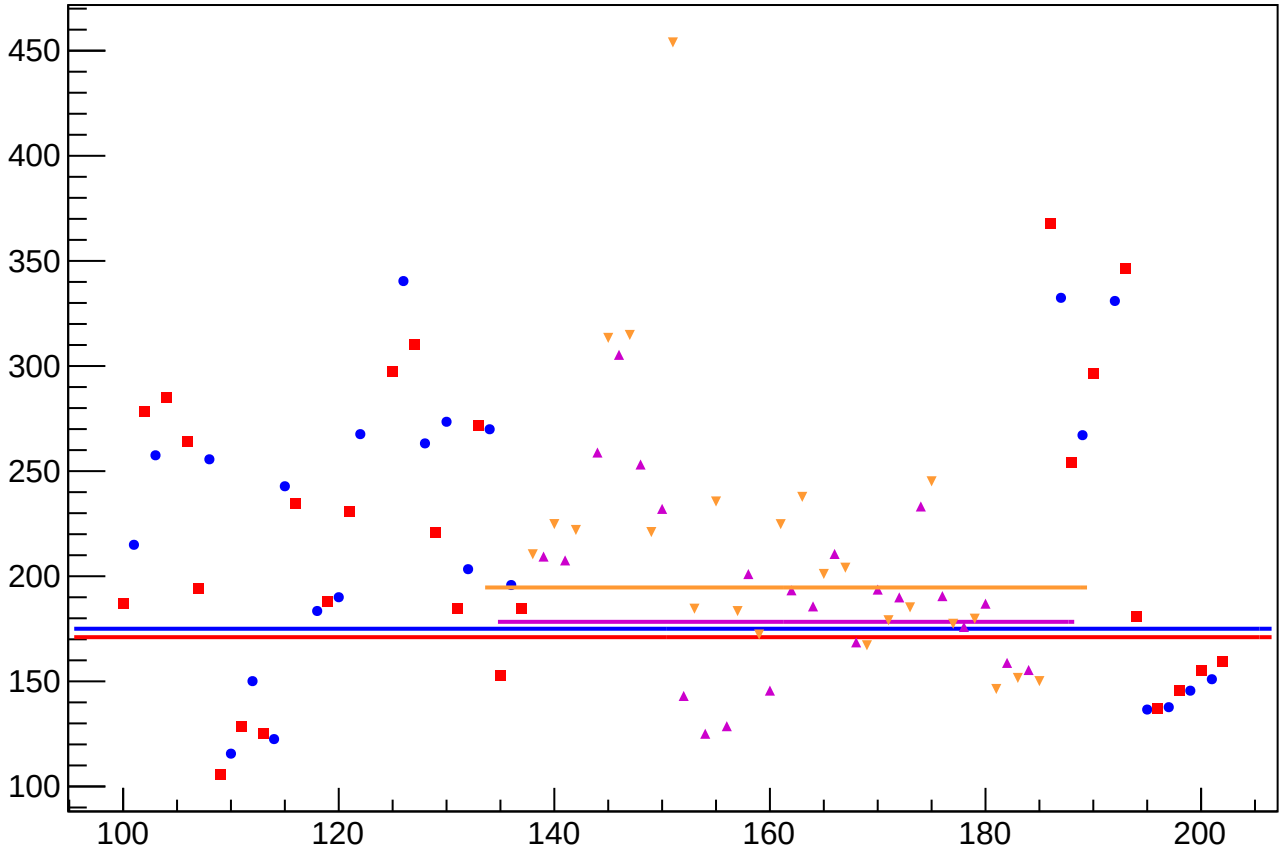
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 30.013+/-35.055 χ^2/NDF: 43.6/46

All: 17.574+/-23.835 χ^2/NDF: 86.7/96

- sign 6.879+/-32.506 χ^2/NDF: 42.9/49

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 175.029+/-0.037 χ^2/NDF: 2183595.5/22

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 171.015+/-0.035 χ^2/NDF: 2729778.8/26

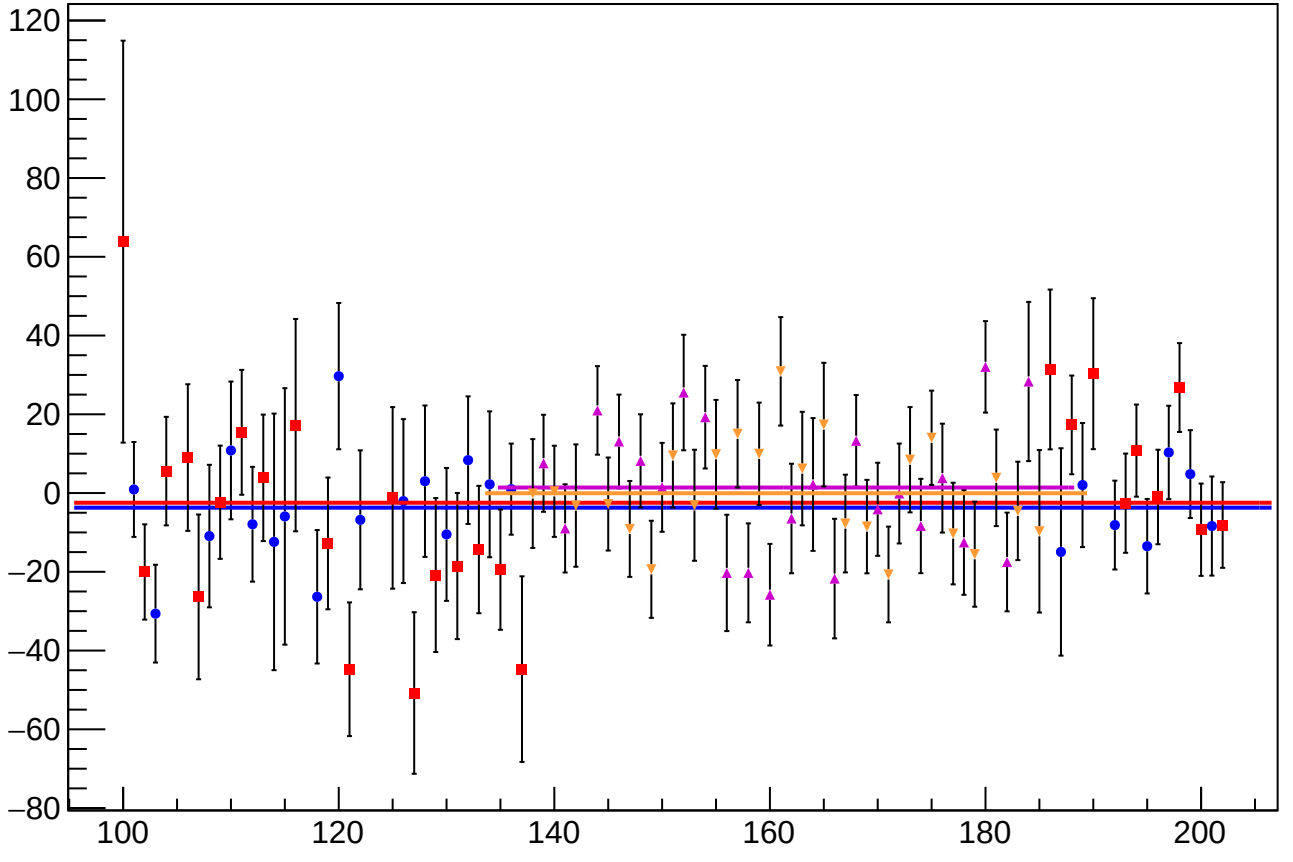
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

\+ sign 186.001+/-0.025 χ^2/NDF: 4091320.3/46

All: 180.129+/-0.017 χ^2/NDF: 8628727.8/96

\- sign 175.080+/-0.023 χ^2/NDF: 4433031.8/49

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -3.709+/-3.157 χ^2/NDF: 15.3/22

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -2.462+/-2.960 χ^2/NDF: 43.4/26

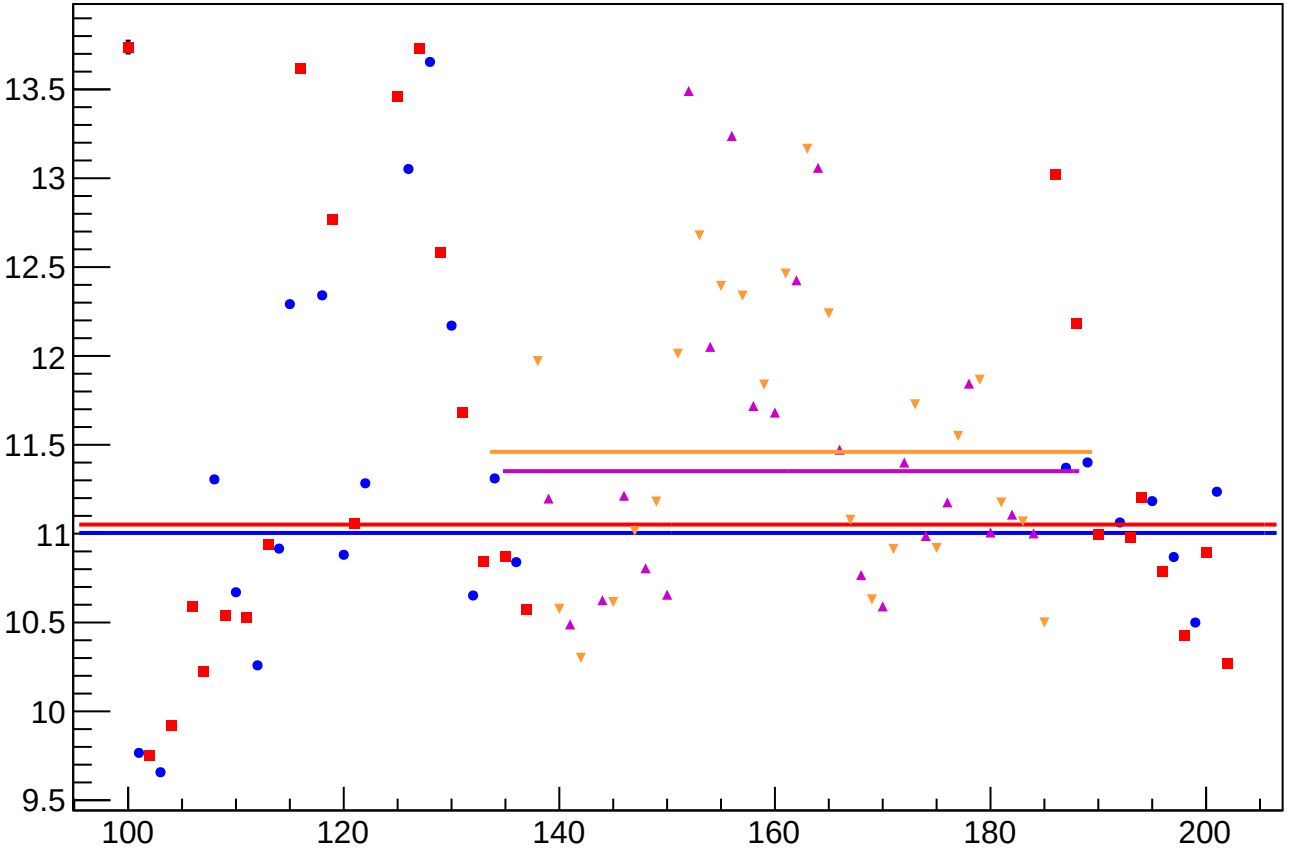
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.584+/-2.045 χ^2/NDF: 36.5/46

All: -0.939+/-1.424 χ^2/NDF: 117.3/96

- sign -0.331+/-1.984 χ^2/NDF: 80.6/49

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 11.004+/-0.002 χ^2/NDF: 143340.6/22

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.051+/-0.002 χ^2/NDF: 215855.7/26

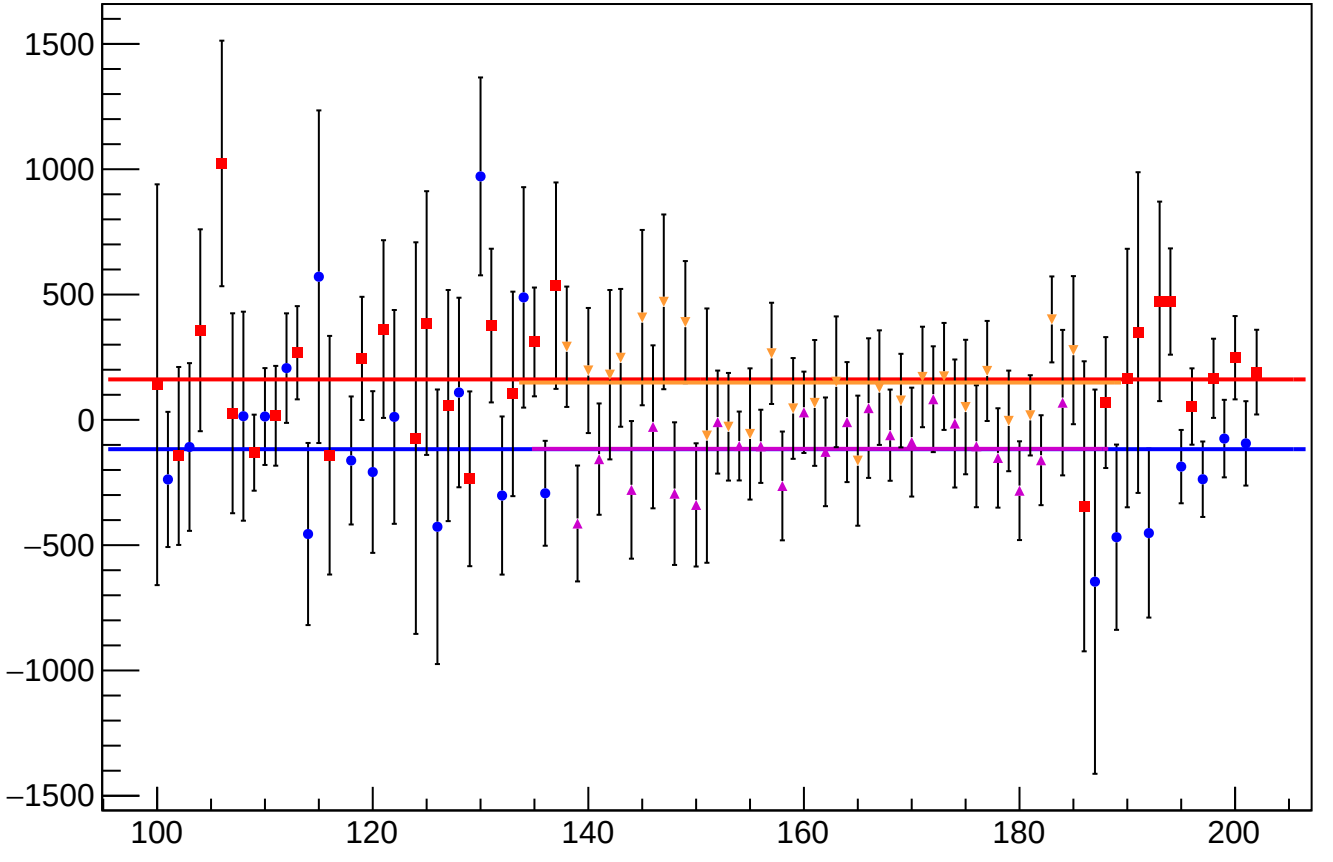
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.269+/-0.001 χ^2/NDF: 318003.2/46

All: 11.242+/-0.001 χ^2/NDF: 716447.3/96

- sign 11.217+/-0.001 χ^2/NDF: 397778.4/49

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -117.044+/-52.929 χ^2/NDF: 19.6/22

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 161.399+/-48.718 χ^2/NDF: 17.6/28

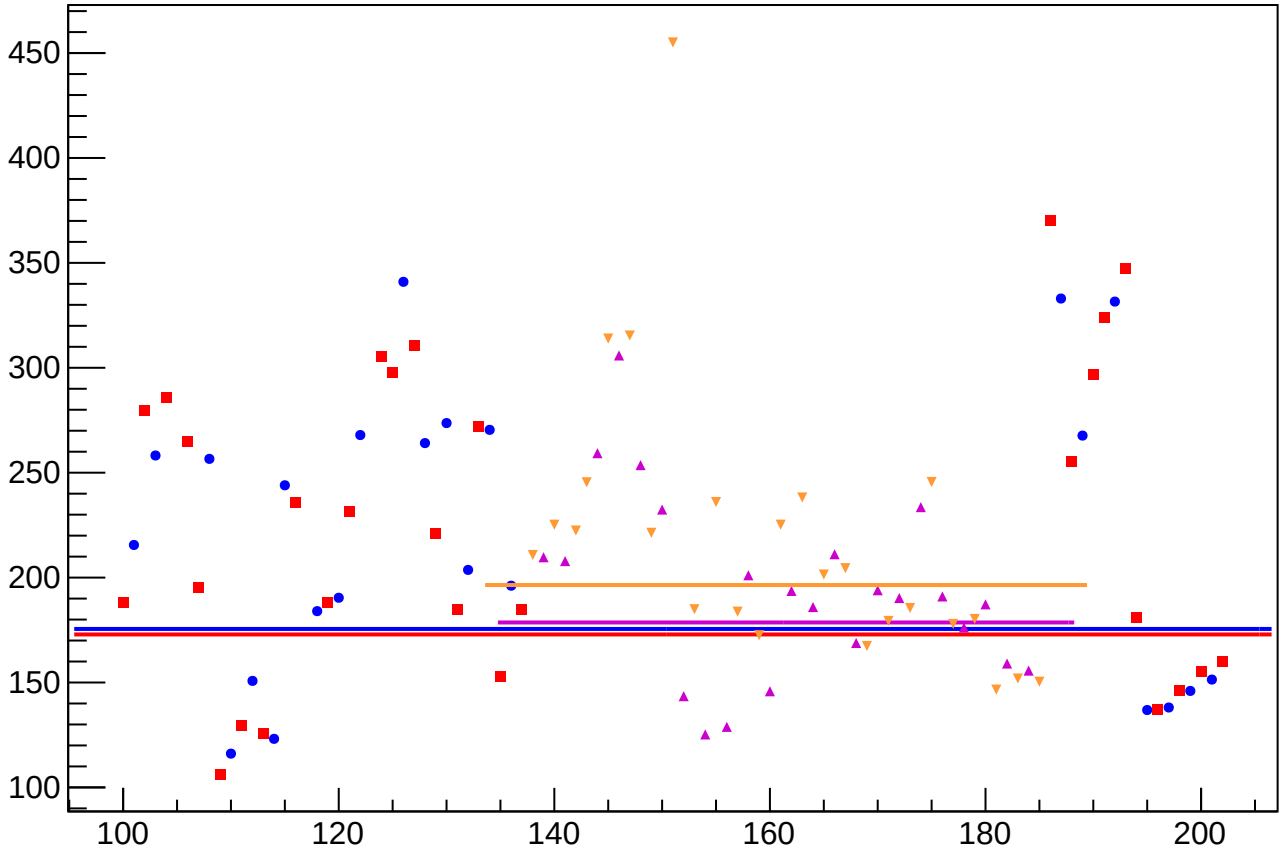
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 33.600+/-34.851 χ^2/NDF: 44.4/47

All: 19.727+/-23.771 χ^2/NDF: 88.0/99

- sign 7.658+/-32.506 χ^2/NDF: 43.3/51

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 175.529+/-0.037 χ^2/NDF: 2177915.9/22

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.908+/-0.034 χ^2/NDF: 2897284.5/28

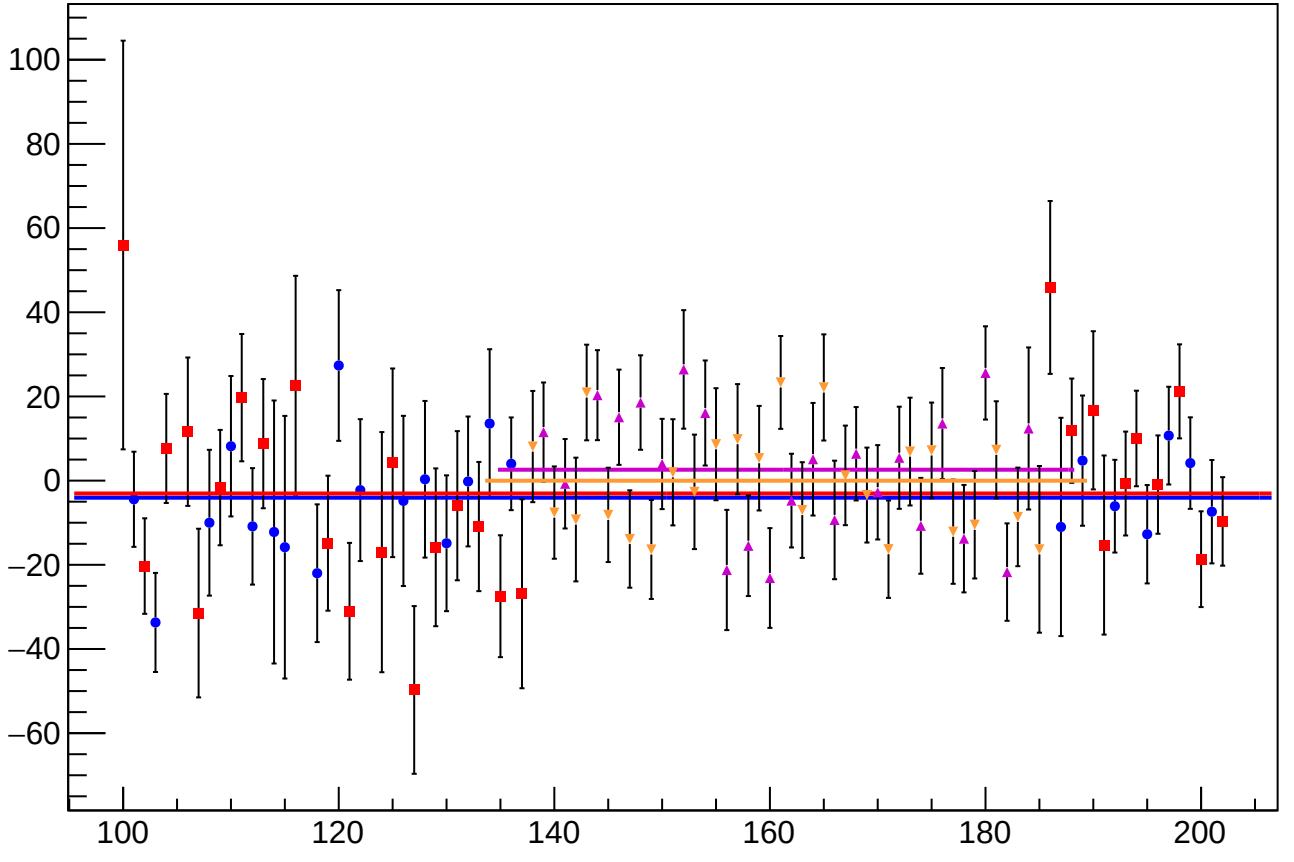
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 187.382+/-0.025 χ^2/NDF: 4173732.7/47

All: 181.335+/-0.017 χ^2/NDF: 8877700.2/99

- sign 176.074+/-0.023 χ^2/NDF: 4591364.7/51

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -4.056+/-3.040 χ^2/NDF: 17.1/22

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.051+/-2.816 χ^2/NDF: 42.1/28

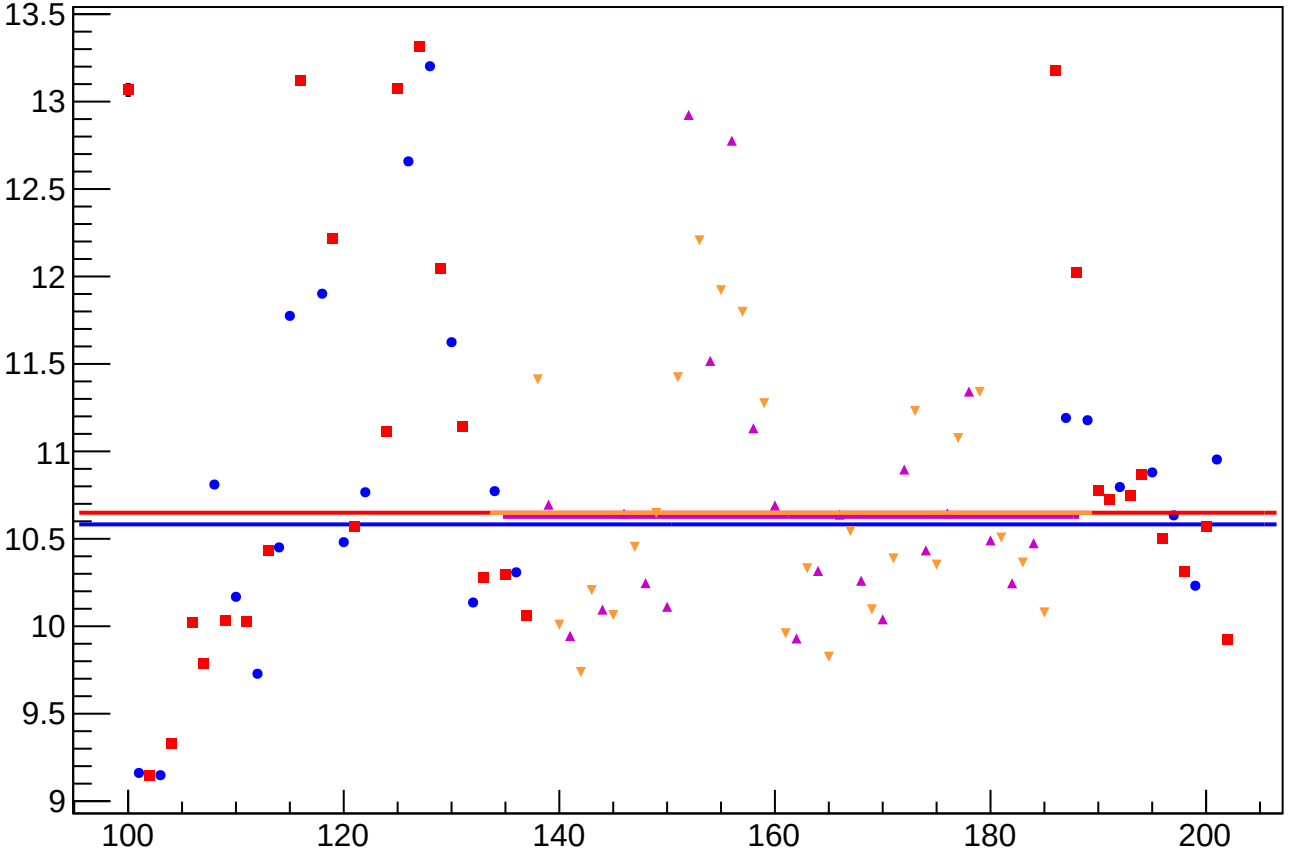
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.603+/-1.905 χ^2/NDF: 41.9/47

All: -0.738+/-1.335 χ^2/NDF: 121.4/99

- sign 0.098+/-1.872 χ^2/NDF: 79.1/51

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.582+/-0.002 χ^2/NDF: 169038.8/22

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

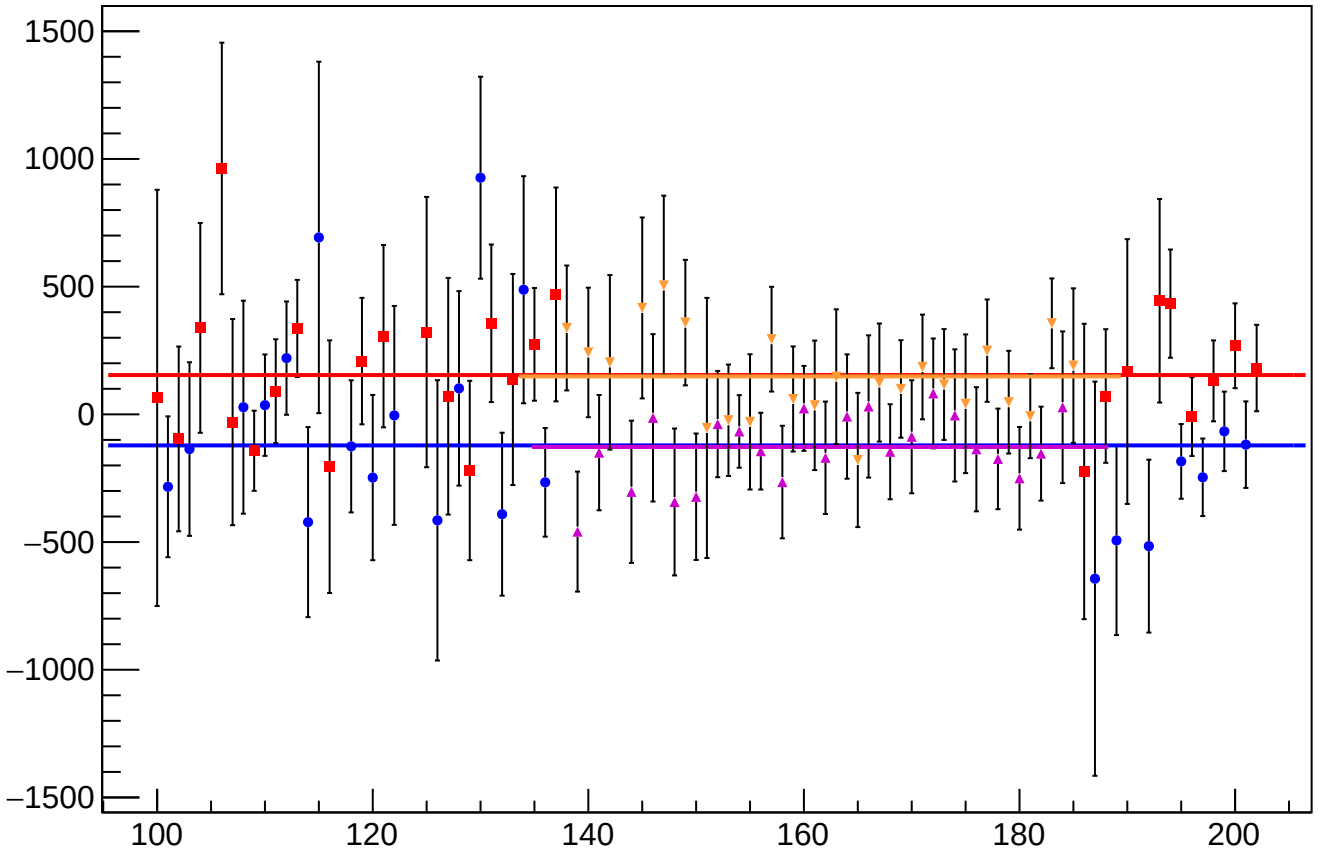
Right Out: 10.649+/-0.002 χ^2/NDF: 256002.4/28

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.622+/-0.001 χ^2/NDF: 313143.3/47

All: 10.629+/-0.001 χ^2/NDF: 728819.3/99

- sign 10.636+/-0.001 χ^2/NDF: 415623.7/51



Right In: -121.578+/-53.450 χ^2/NDF: 20.3/22

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 153.853+/-49.505 χ^2/NDF: 15.9/26

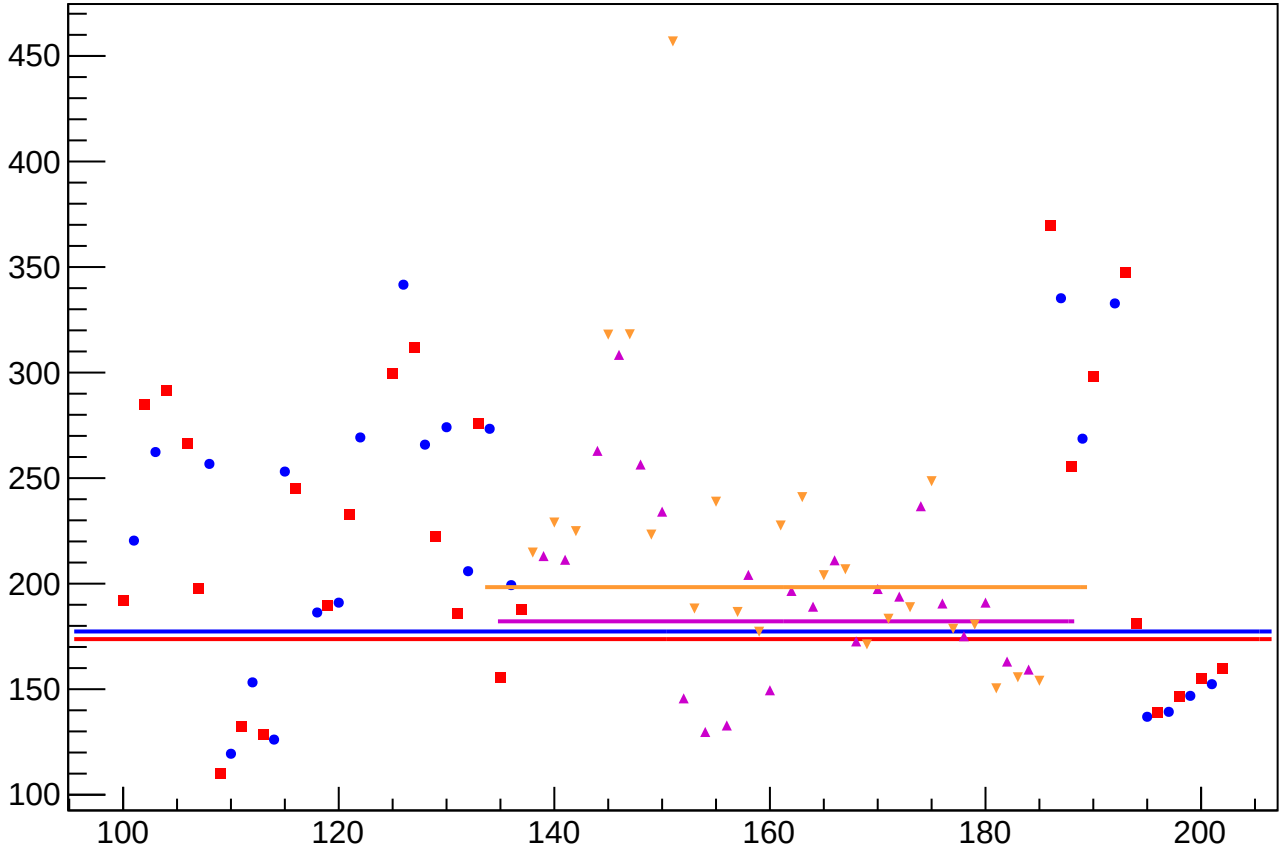
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 28.675+/-35.598 χ^2/NDF: 44.4/46

All: 12.150+/-24.226 χ^2/NDF: 86.5/96

- sign -2.107+/-33.064 χ^2/NDF: 41.7/49

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 177.349+/-0.038 χ^2/NDF: 2163356.4/22

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 173.730+/-0.035 χ^2/NDF: 2658310.8/26

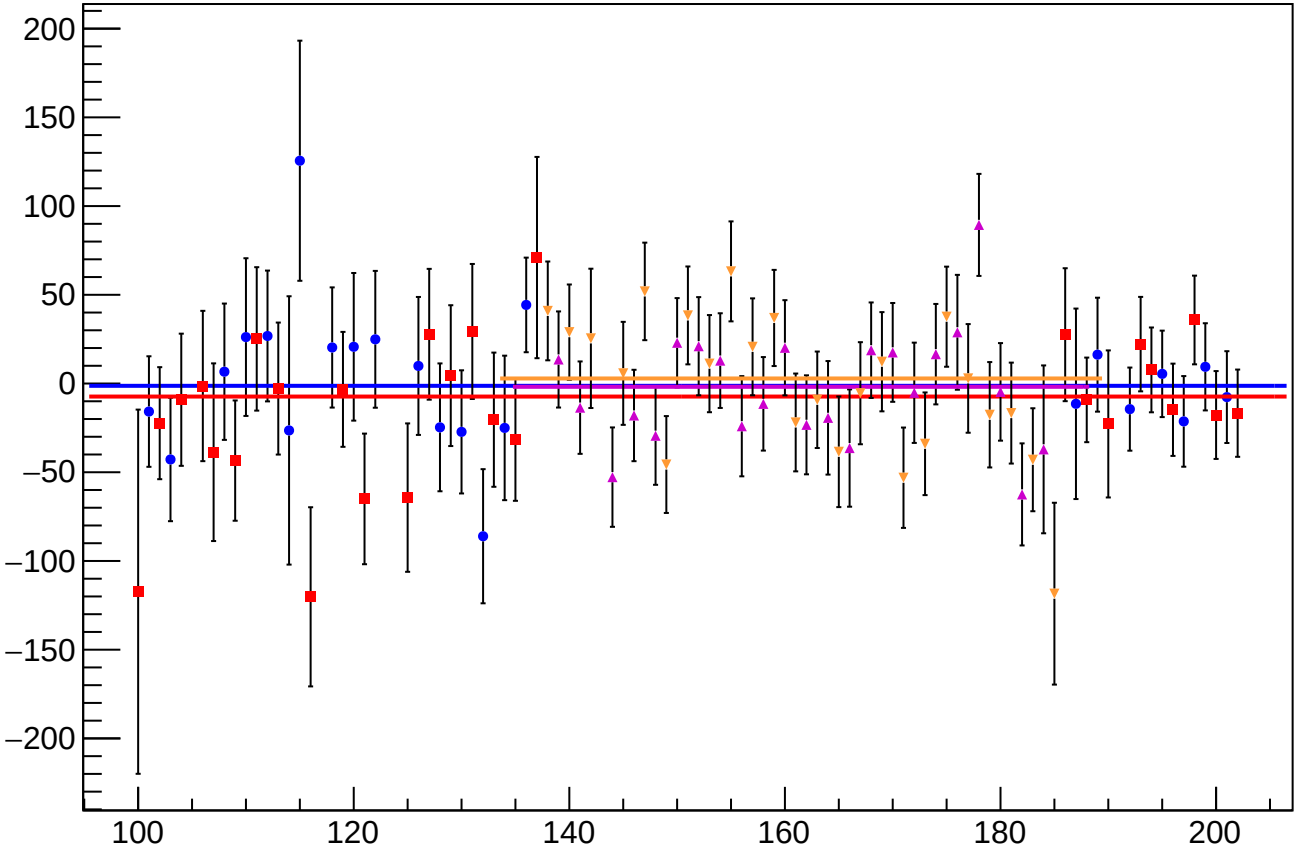
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

\+ sign 189.036+/-0.025 χ^2/NDF: 4032237.6/46

All: 183.323+/-0.017 χ^2/NDF: 8402913.9/96

\- sign 178.394+/-0.023 χ^2/NDF: 4274717.4/49

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -1.295+/-6.938 χ^2/NDF: 18.4/22

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -7.342+/-6.438 χ^2/NDF: 23.4/26

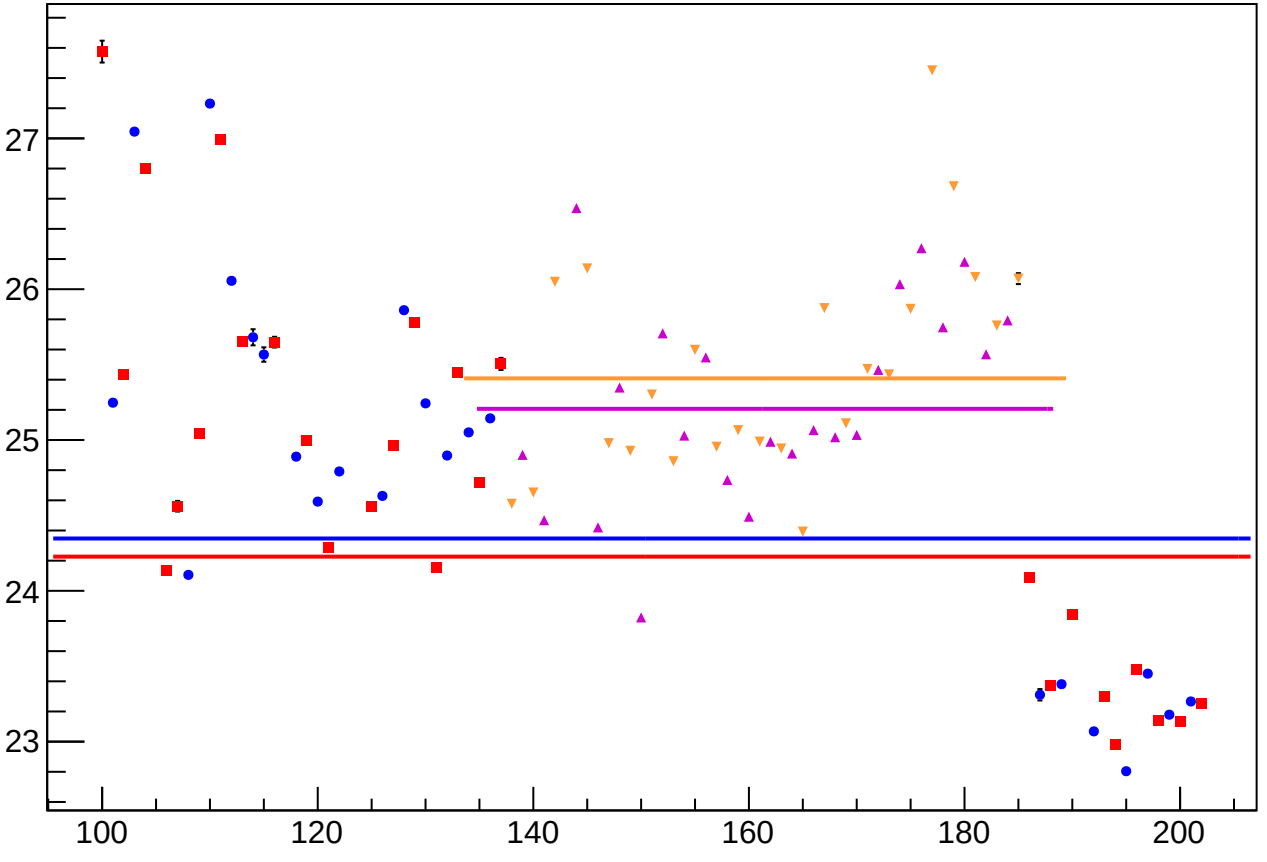
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.109+/-4.496 χ^2/NDF: 55.5/46

All: -1.715+/-3.125 χ^2/NDF: 108.1/96

- sign -4.354+/-4.347 χ^2/NDF: 51.8/49

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.347+/-0.005 χ^2/NDF: 63419.9/22

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.227+/-0.005 χ^2/NDF: 61495.5/26

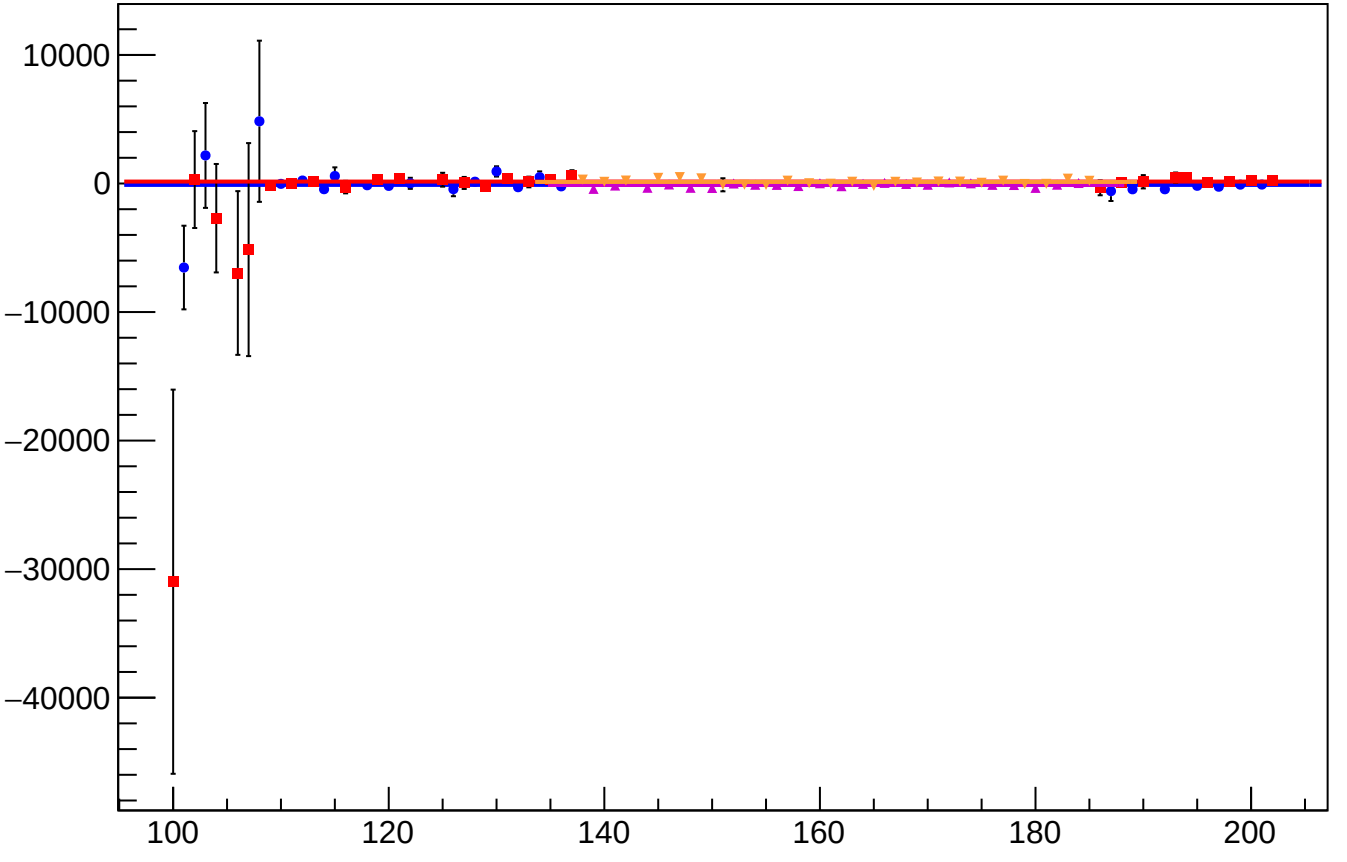
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.963+/-0.003 χ^2/NDF: 117448.3/46

All: 24.858+/-0.002 χ^2/NDF: 232091.4/96

- sign 24.760+/-0.003 χ^2/NDF: 112541.3/49

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -108.710+/-56.351 χ^2/NDF: 22.9/22

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 150.421+/-52.875 χ^2/NDF: 18.2/26

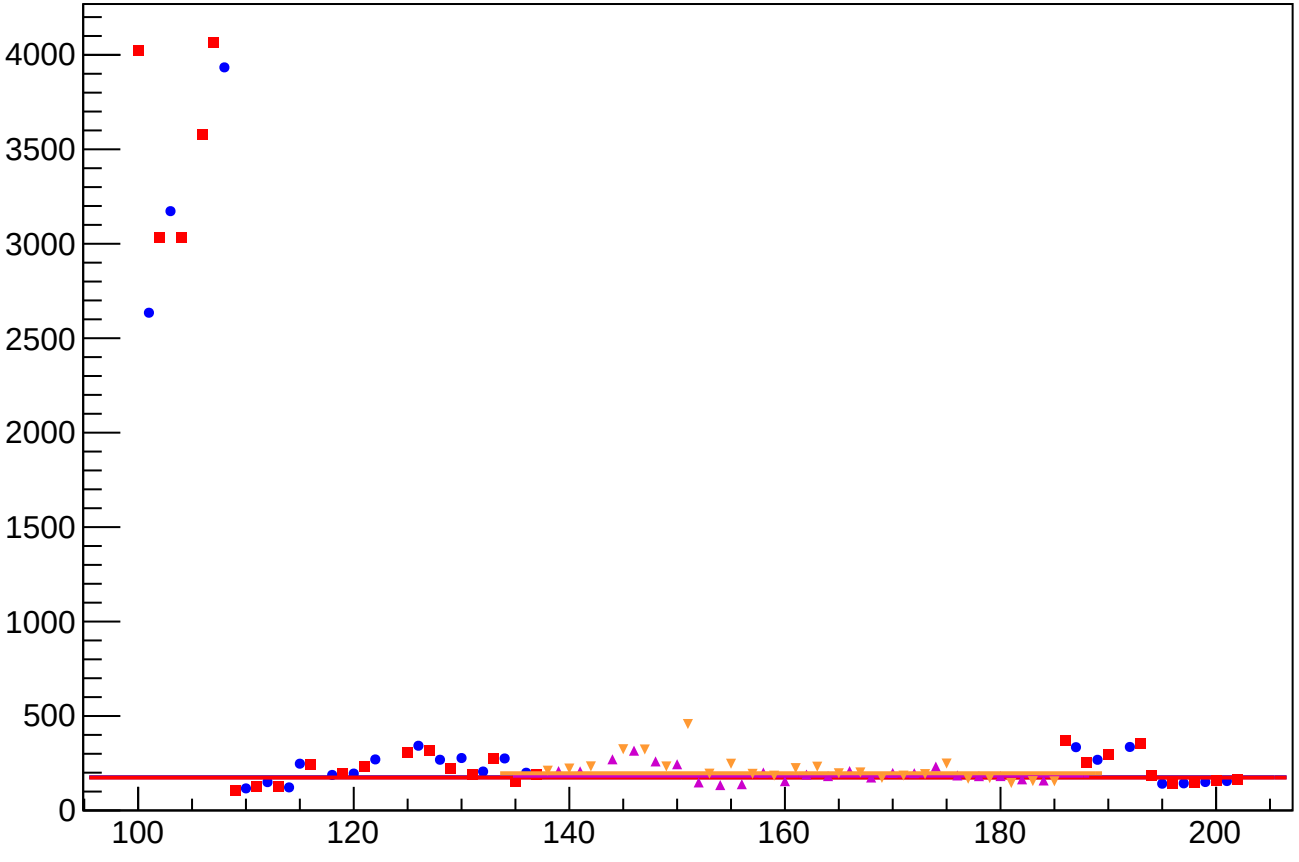
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 25.266+/-36.292 χ^2/NDF: 44.5/46

All: 9.305+/-24.880 χ^2/NDF: 86.3/96

- sign -4.848+/-34.175 χ^2/NDF: 41.4/49

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 175.739+/-0.040 χ^2/NDF: 4813386.8/22

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

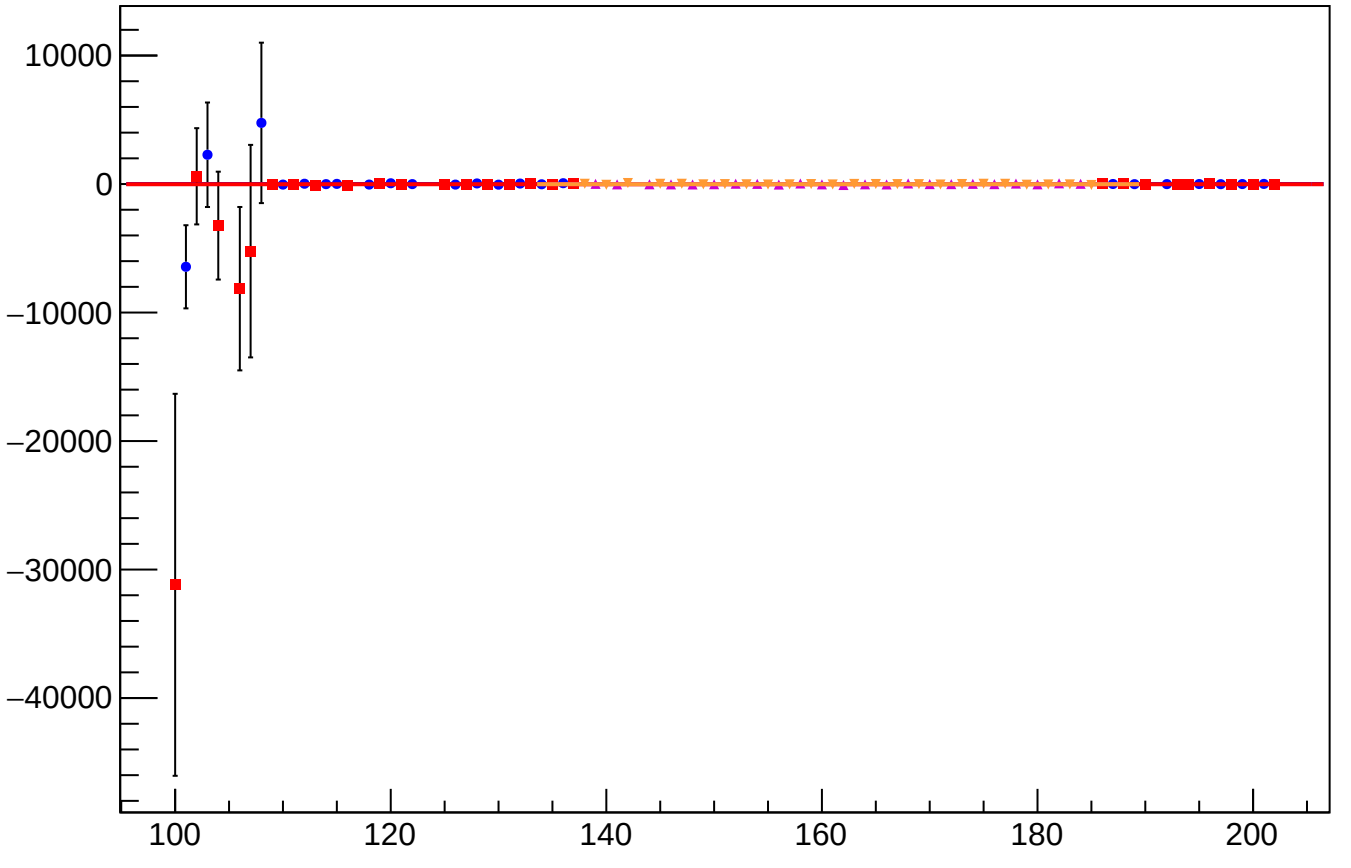
Right Out: 174.060+/-0.037 χ^2/NDF: 5333165.5/26

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 188.144+/-0.026 χ^2/NDF: 6788255.1/46

All: 183.762+/-0.018 χ^2/NDF: 13663420.1/96

- sign 179.877+/-0.024 χ^2/NDF: 6820169.9/49



Right In: 2.163+/-8.414 χ^2/NDF: 18.9/22

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -14.016+/-7.937 χ^2/NDF: 28.4/26

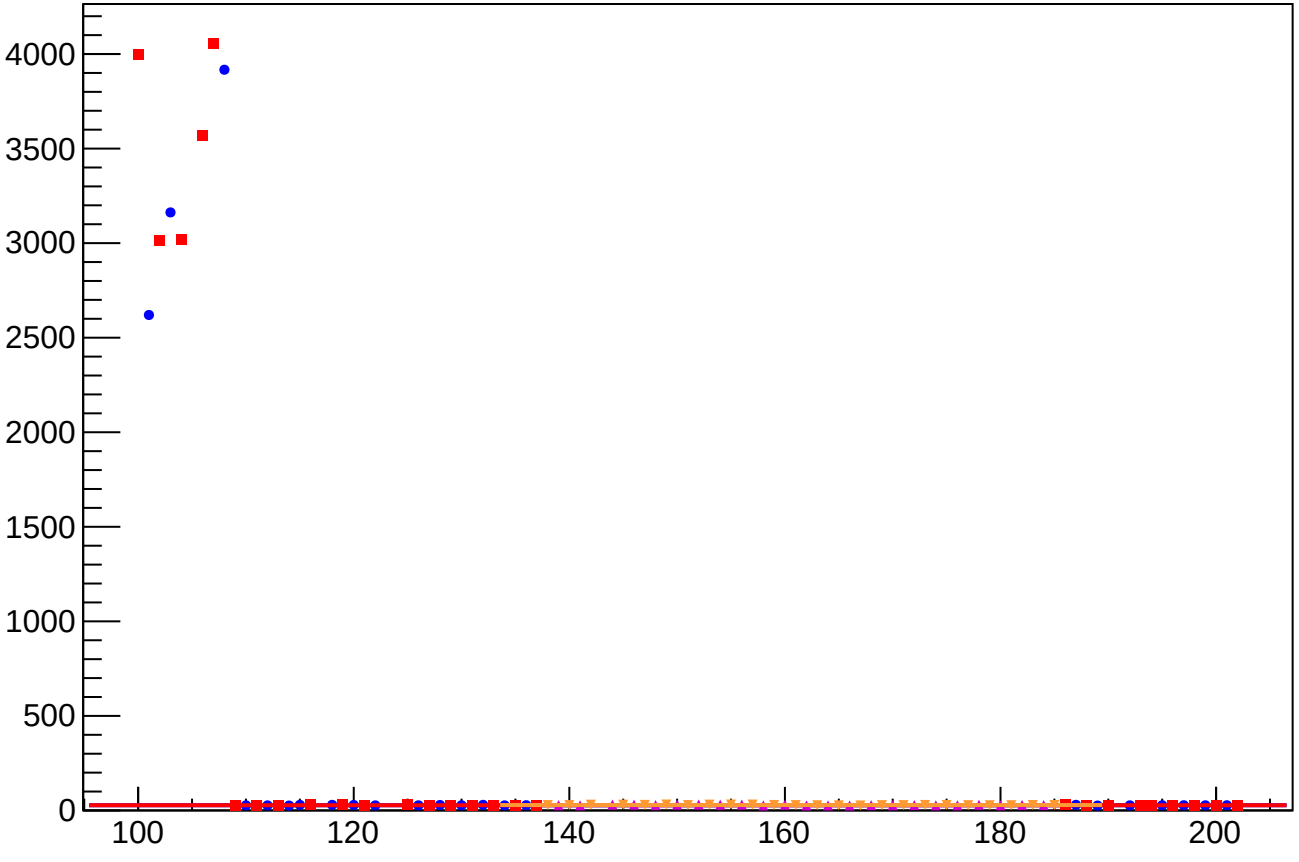
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.005+/-5.219 χ^2/NDF: 37.9/46

All: -6.695+/-3.660 χ^2/NDF: 89.8/96

- sign -7.363+/-5.134 χ^2/NDF: 51.8/49

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.514+/-0.006 χ^2/NDF: 3275051.5/22

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.586+/-0.006 χ^2/NDF: 3579911.9/26

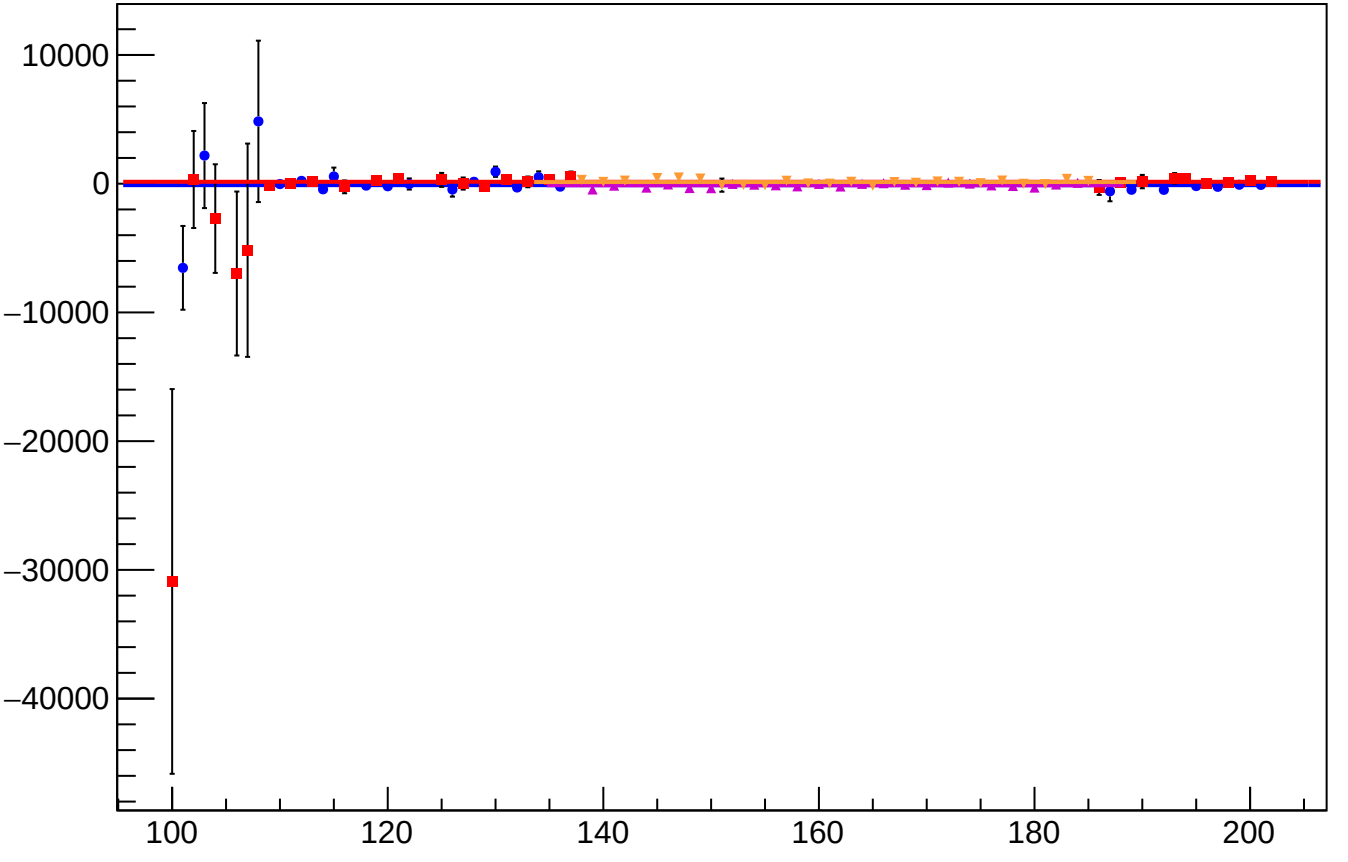
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.177+/-0.004 χ^2/NDF: 3376268.1/46

All: 28.214+/-0.003 χ^2/NDF: 7107838.2/96

- sign 28.250+/-0.004 χ^2/NDF: 3731374.1/49

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -113.570+/-56.634 χ^2/NDF: 22.8/22

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 149.089+/-53.111 χ^2/NDF: 17.0/26

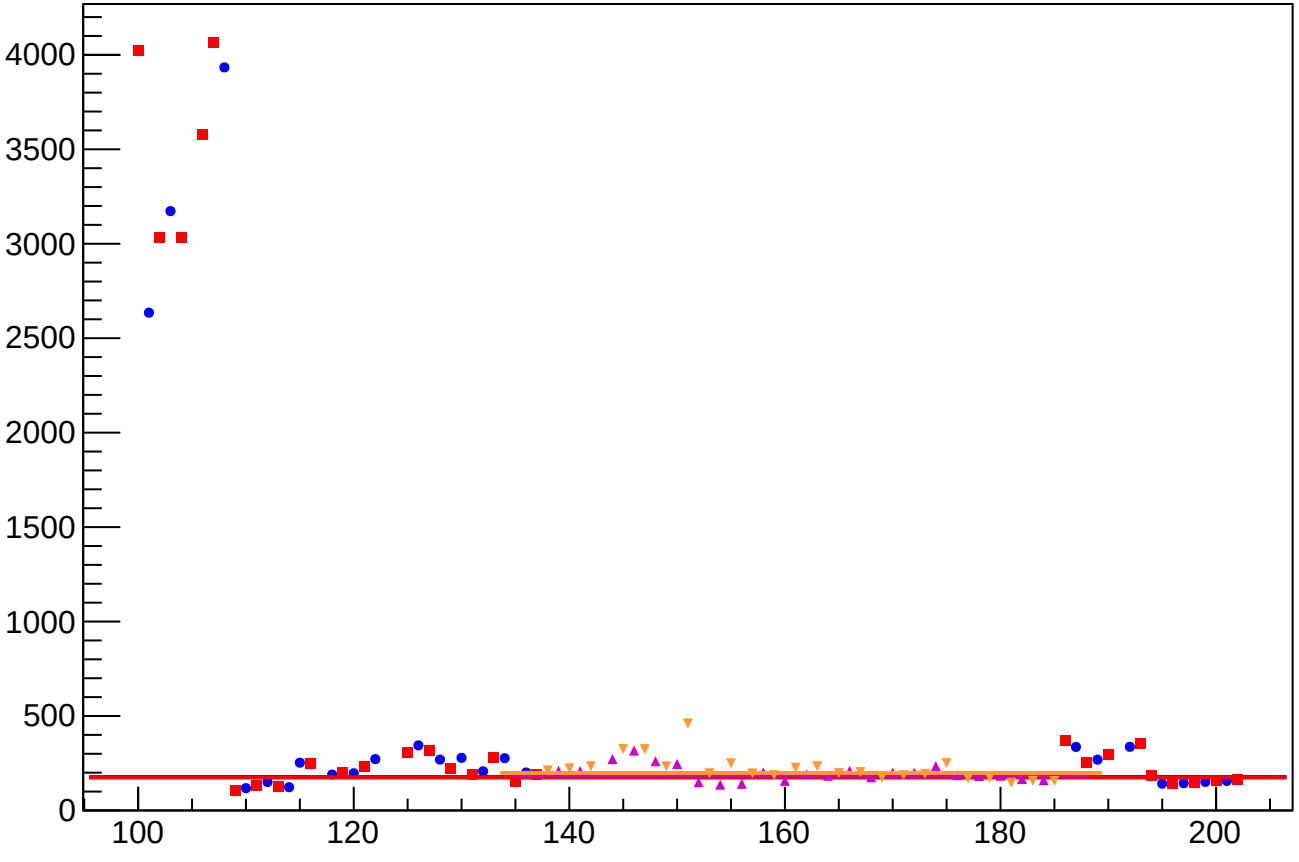
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 26.425+/-36.552 χ^2/NDF: 44.9/46

All: 7.861+/-25.059 χ^2/NDF: 85.5/96

- sign -8.603+/-34.421 χ^2/NDF: 40.1/49

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 176.647+/-0.040 χ^2/NDF: 4808689.9/22

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 174.898+/-0.038 χ^2/NDF: 5321173.0/26

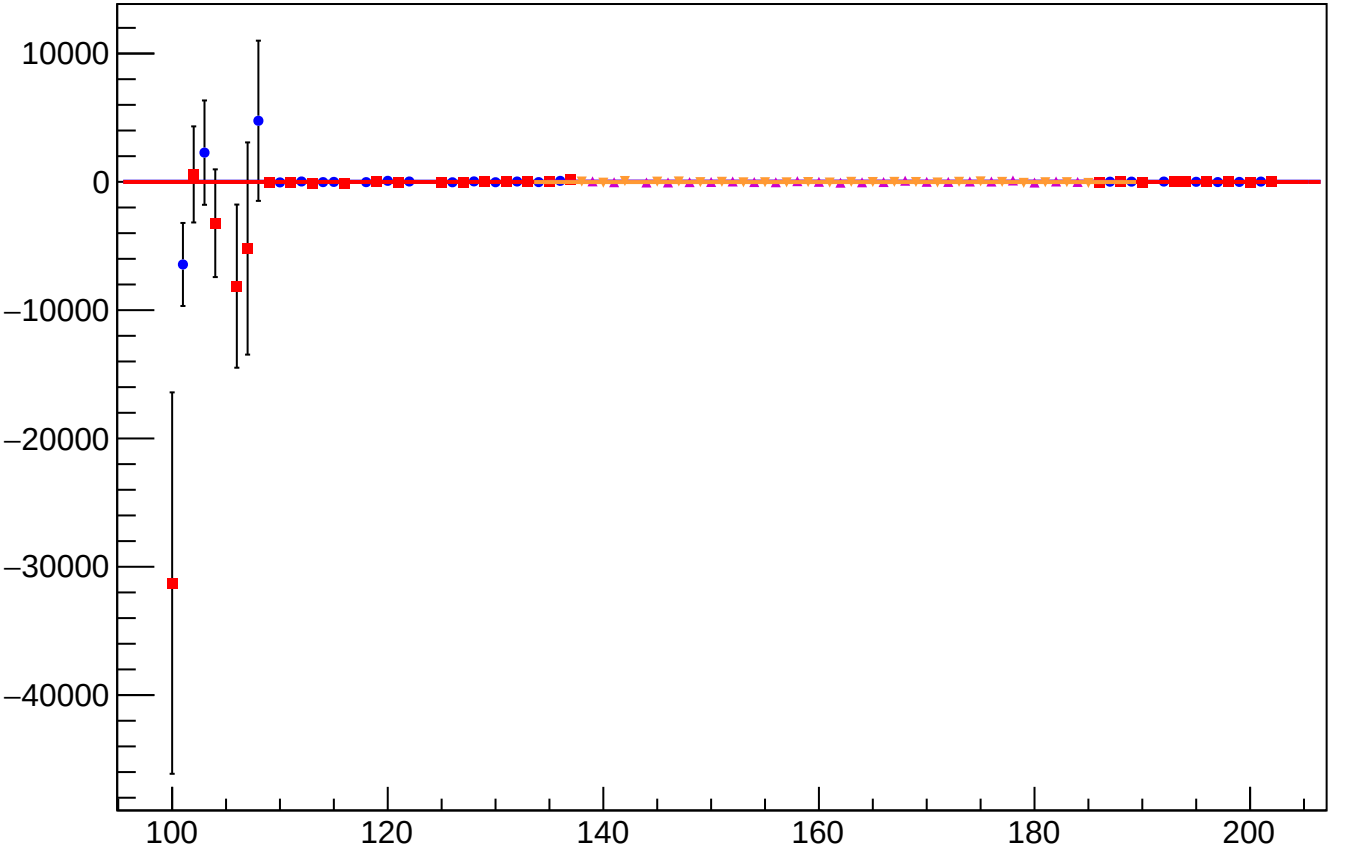
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 189.535+/-0.026 χ^2/NDF: 6772615.5/46

All: 185.150+/-0.018 χ^2/NDF: 13603126.3/96

- sign 181.262+/-0.024 χ^2/NDF: 6776213.9/49

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 10.027+/-9.301 χ^2/NDF: 16.8/22

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -8.862+/-8.758 χ^2/NDF: 36.7/26

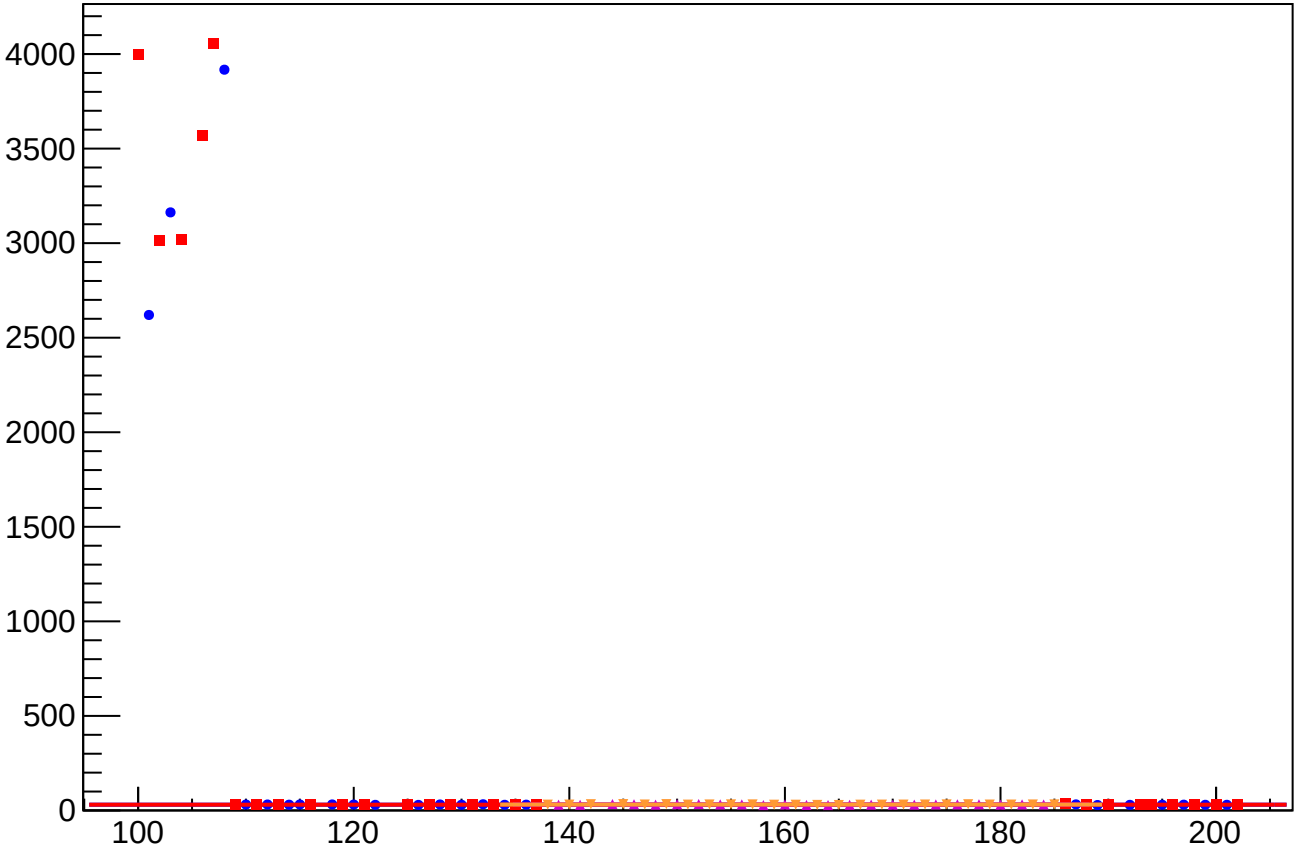
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -7.506+/-5.723 χ^2/NDF: 42.8/46

All: -4.744+/-4.013 χ^2/NDF: 116.5/96

- sign -2.071+/-5.629 χ^2/NDF: 73.3/49

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.428+/-0.007 χ^2/NDF: 3263240.0/22

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.459+/-0.006 χ^2/NDF: 3558195.1/26

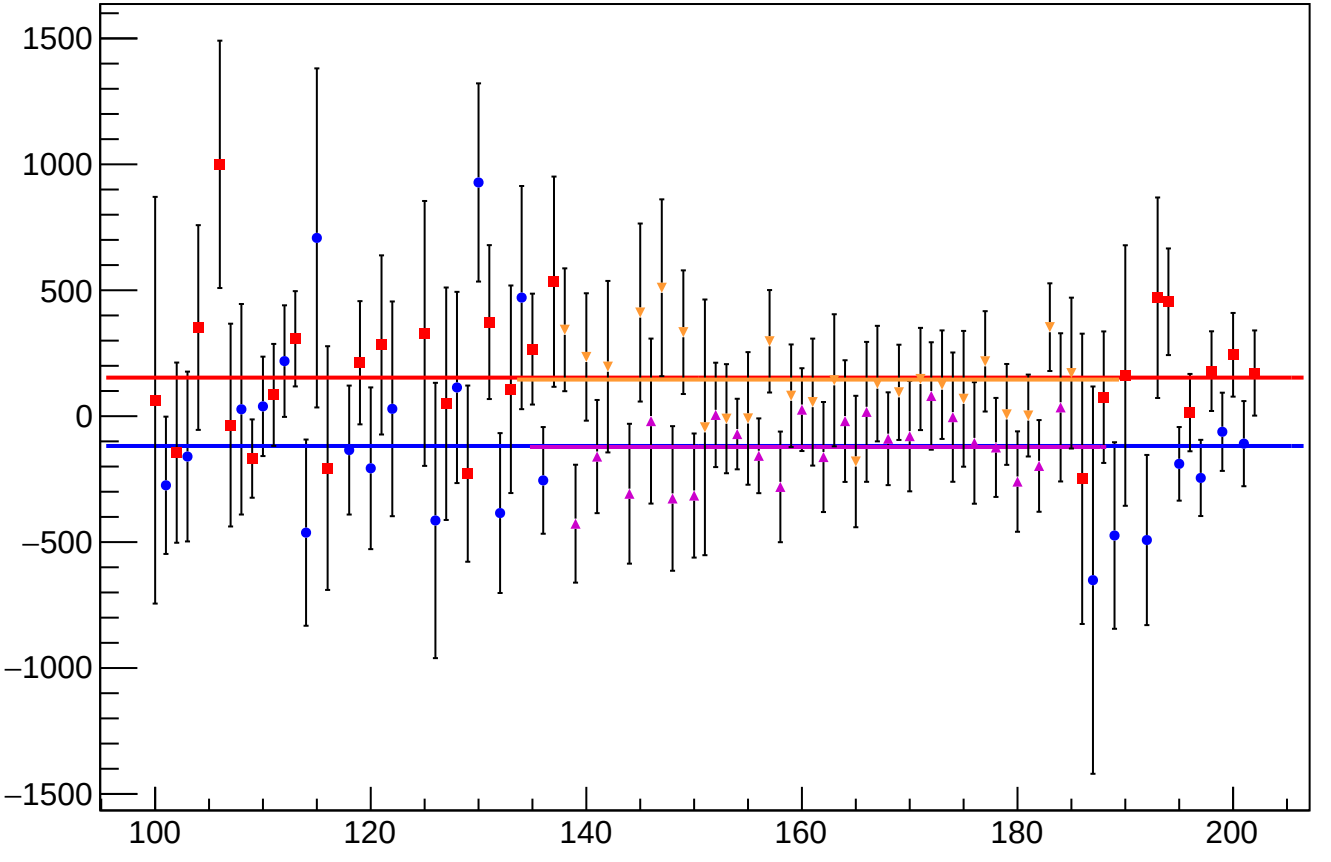
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.921+/-0.004 χ^2/NDF: 3319713.6/46

All: 30.961+/-0.003 χ^2/NDF: 6976287.1/96

- sign 30.999+/-0.004 χ^2/NDF: 3656383.3/49

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -118.304+/-53.242 χ^2/NDF: 20.3/22

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 153.158+/-49.308 χ^2/NDF: 17.3/26

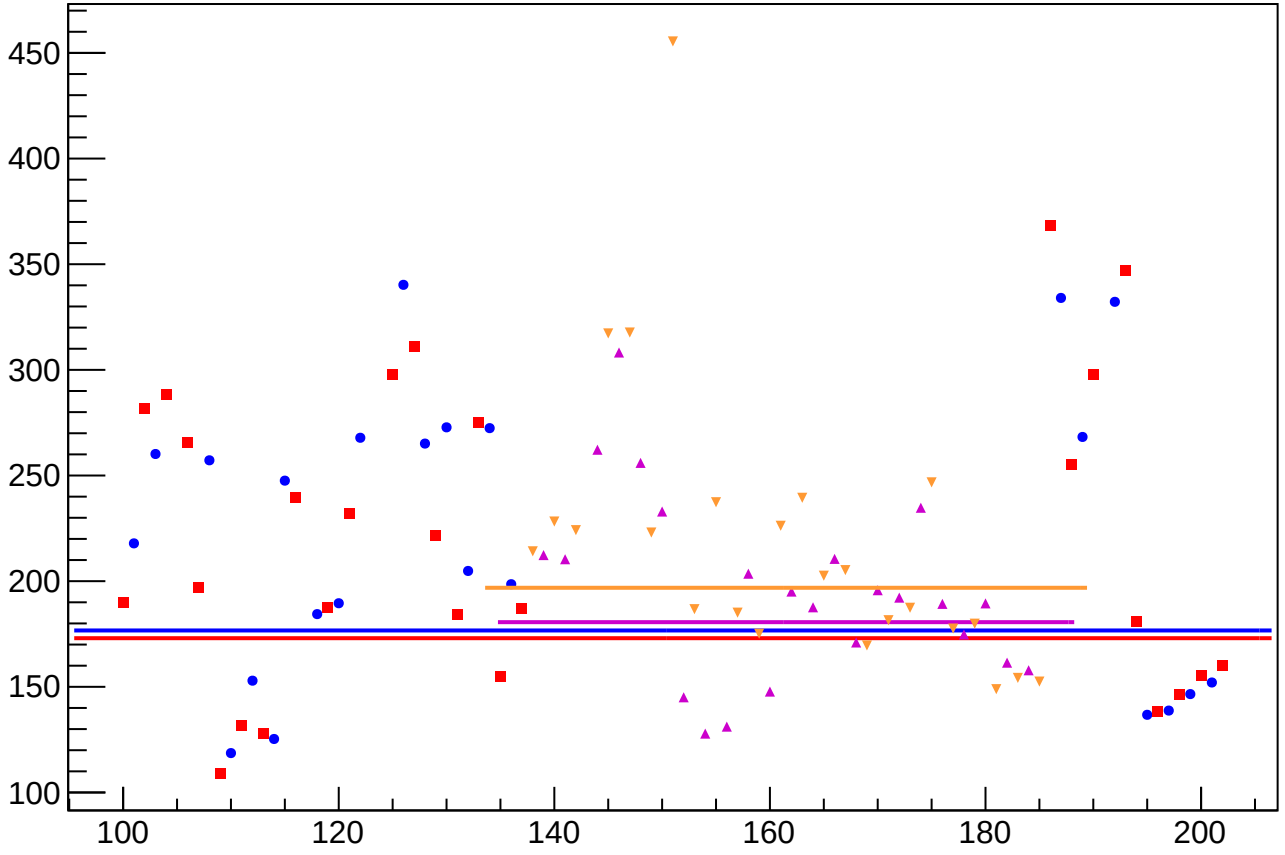
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 28.783+/-35.399 χ^2/NDF: 43.3/46

All: 13.333+/-24.084 χ^2/NDF: 86.2/96

- sign 0.017+/-32.863 χ^2/NDF: 42.5/49

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 176.673+/-0.038 χ^2/NDF: 2155777.1/22

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 173.012+/-0.035 χ^2/NDF: 2656288.6/26

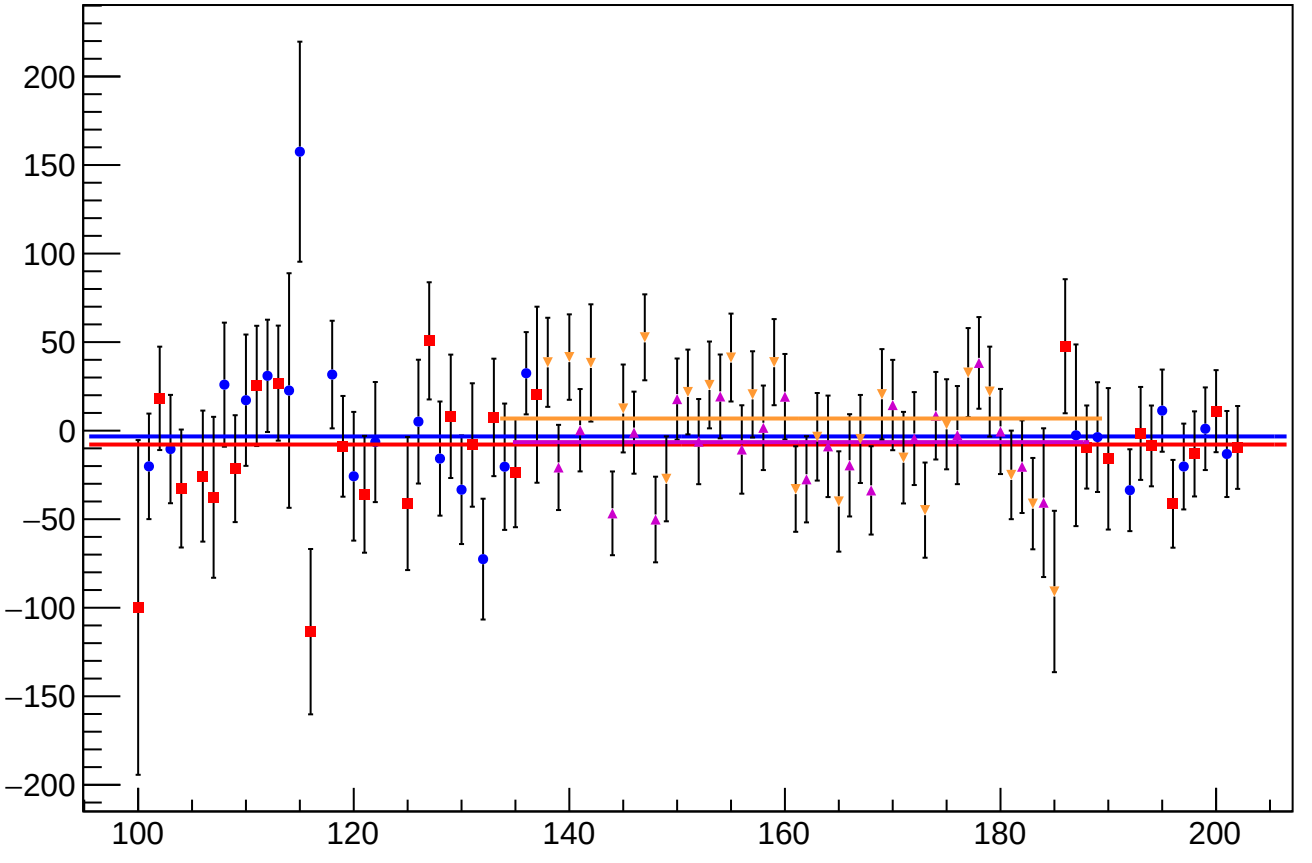
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 187.943+/-0.025 χ^2/NDF: 4041518.7/46

All: 182.189+/-0.017 χ^2/NDF: 8450598.5/96

- sign 177.230+/-0.023 χ^2/NDF: 4310693.1/49

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -3.268+/-6.368 χ^2/NDF: 21.8/22

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -7.836+/-5.963 χ^2/NDF: 20.8/26

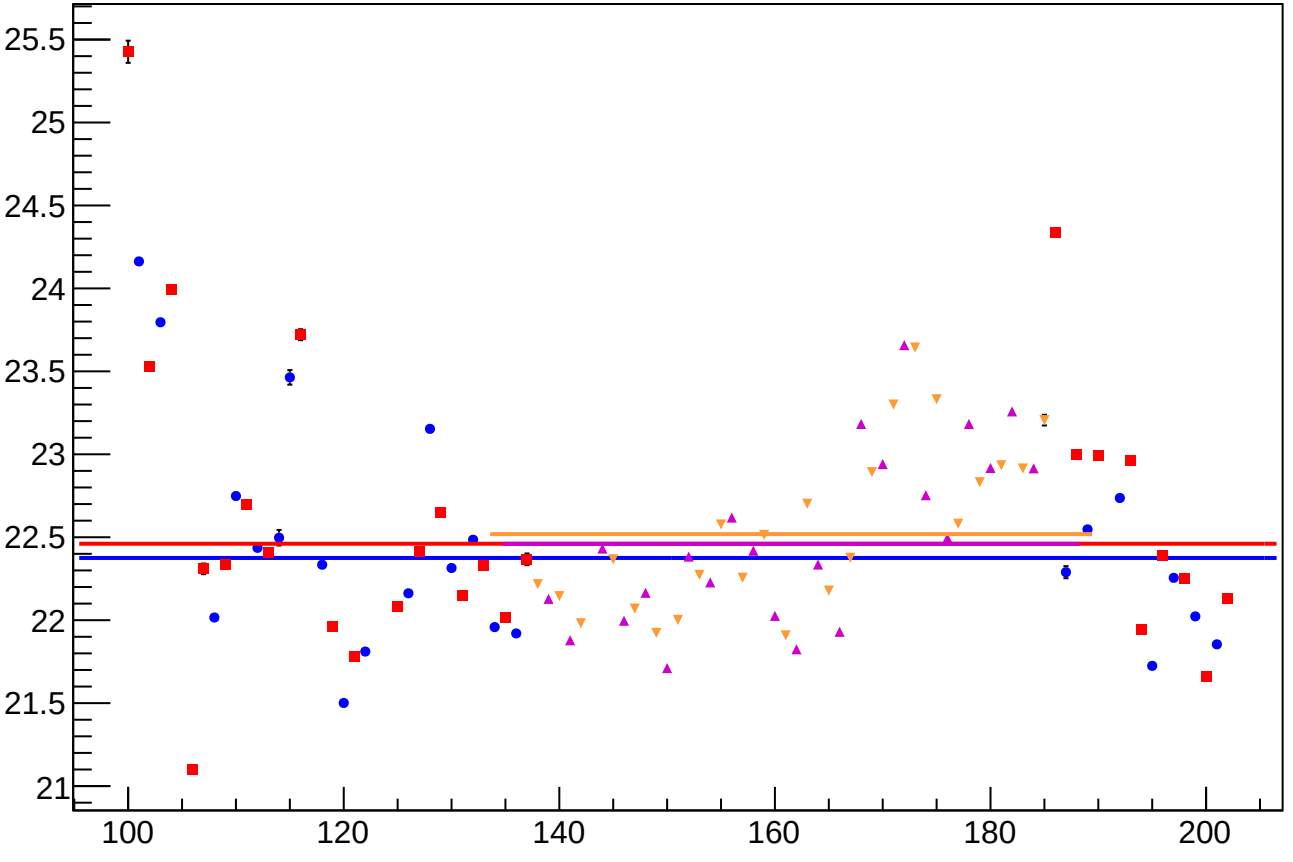
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 2.780+/-4.041 χ^2/NDF: 60.2/46

All: -2.273+/-2.821 χ^2/NDF: 101.5/96

- sign -7.073+/-3.939 χ^2/NDF: 38.3/49

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.375+/-0.005 χ^2/NDF: 20128.7/22

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.461+/-0.004 χ^2/NDF: 26591.1/26

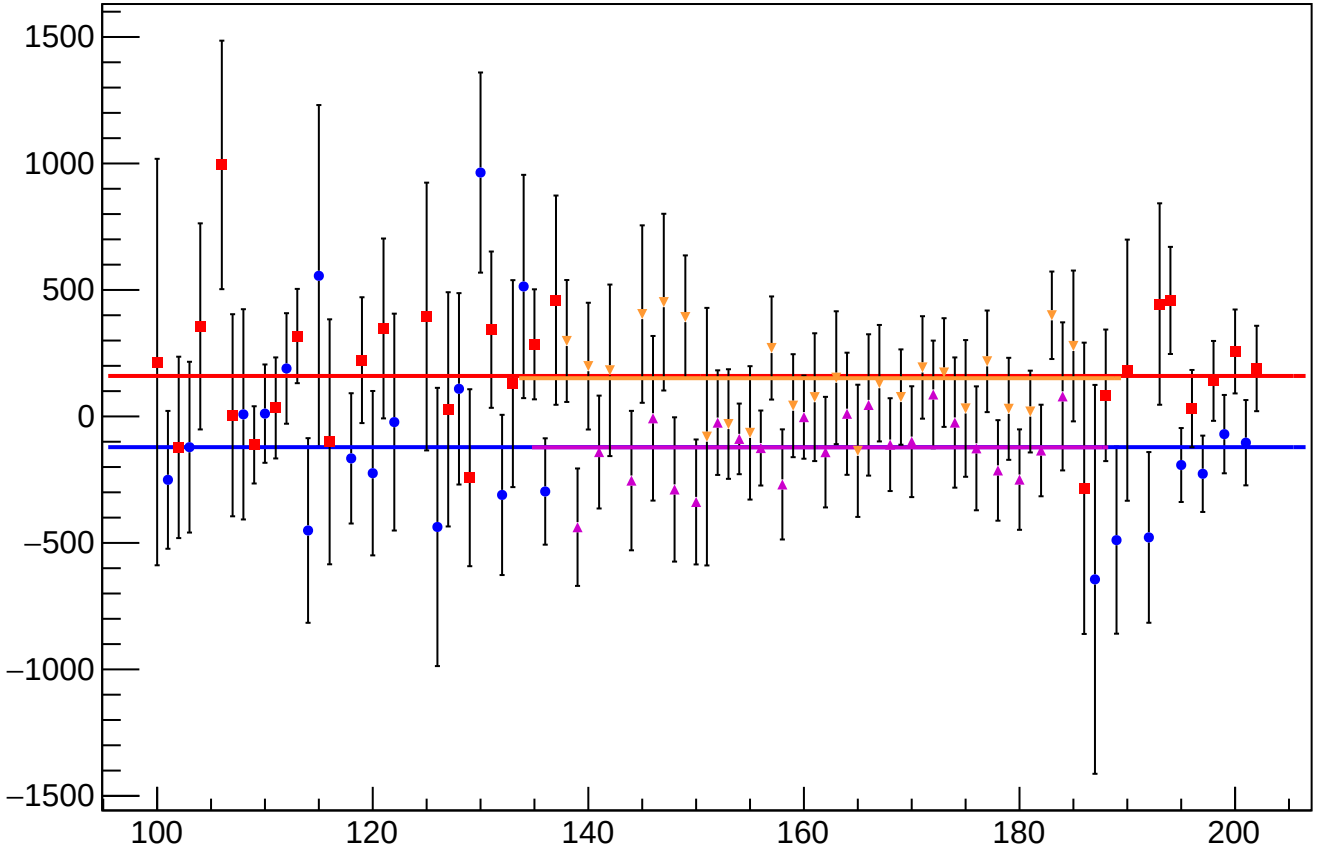
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.461+/-0.003 χ^2/NDF: 36736.2/46

All: 22.461+/-0.002 χ^2/NDF: 82444.5/96

\- sign 22.461+/-0.003 χ^2/NDF: 45708.3/49

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -121.456+/-53.082 χ^2/NDF: 19.6/22

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 160.007+/-49.071 χ^2/NDF: 15.9/26

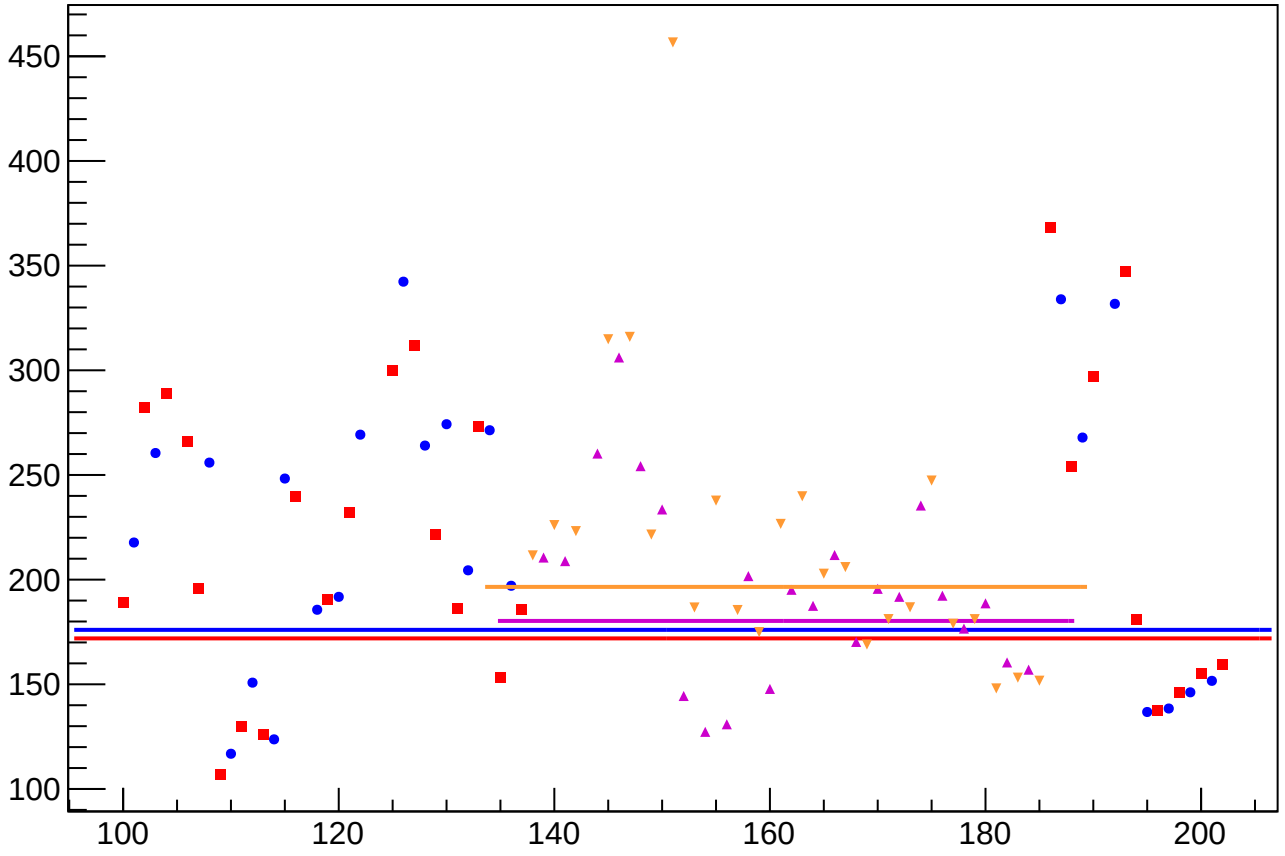
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 30.428+/-35.321 χ^2/NDF: 44.2/46

All: 16.013+/-24.020 χ^2/NDF: 86.3/96

- sign 3.612+/-32.762 χ^2/NDF: 41.7/49

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 176.013+/-0.038 χ^2/NDF: 2186382.3/22

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.926+/-0.035 χ^2/NDF: 2727497.2/26

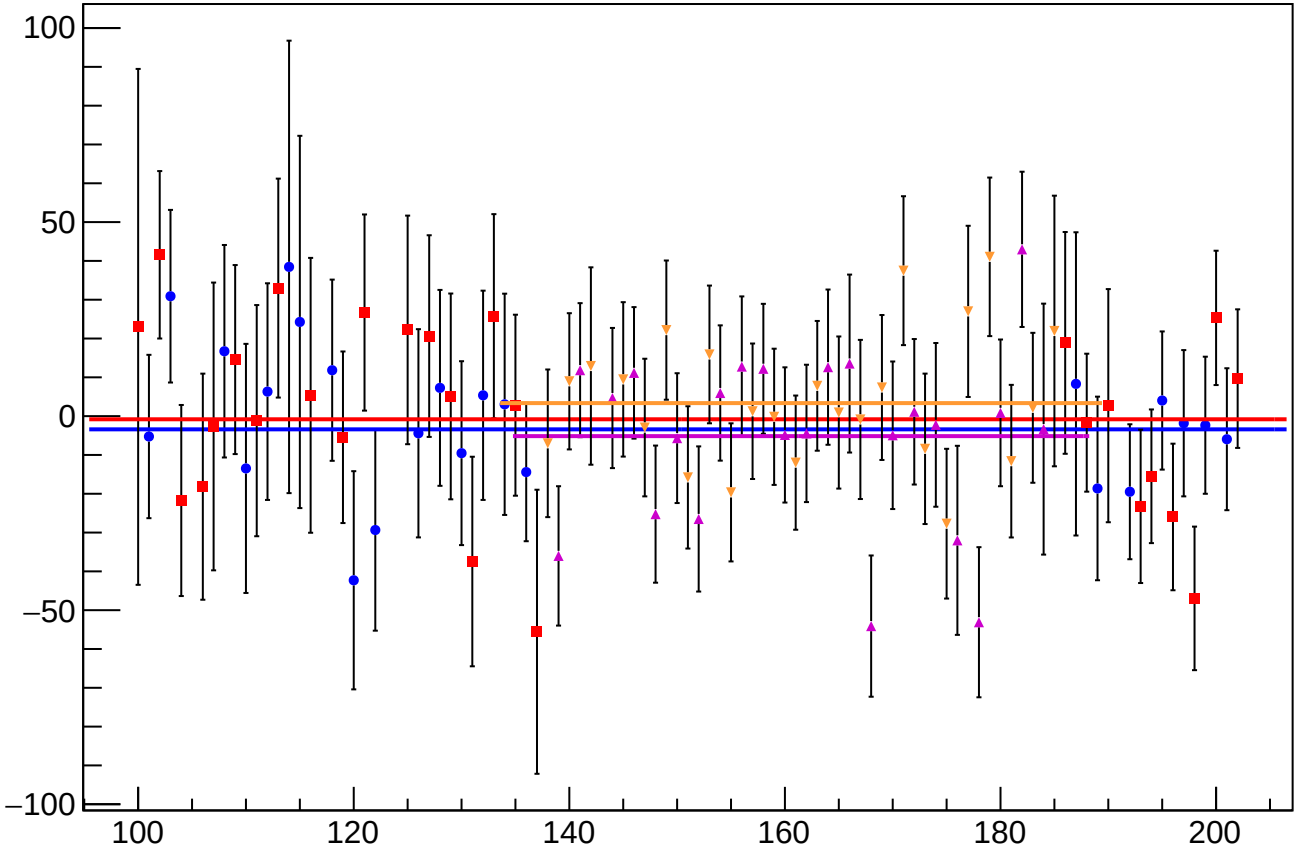
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 187.448+/-0.025 χ^2/NDF: 4080826.1/46

All: 181.592+/-0.017 χ^2/NDF: 8567372.6/96

\- sign 176.553+/-0.023 χ^2/NDF: 4384263.8/49

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -3.403+/-4.903 χ^2/NDF: 9.7/22

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -0.810+/-4.588 χ^2/NDF: 27.8/26

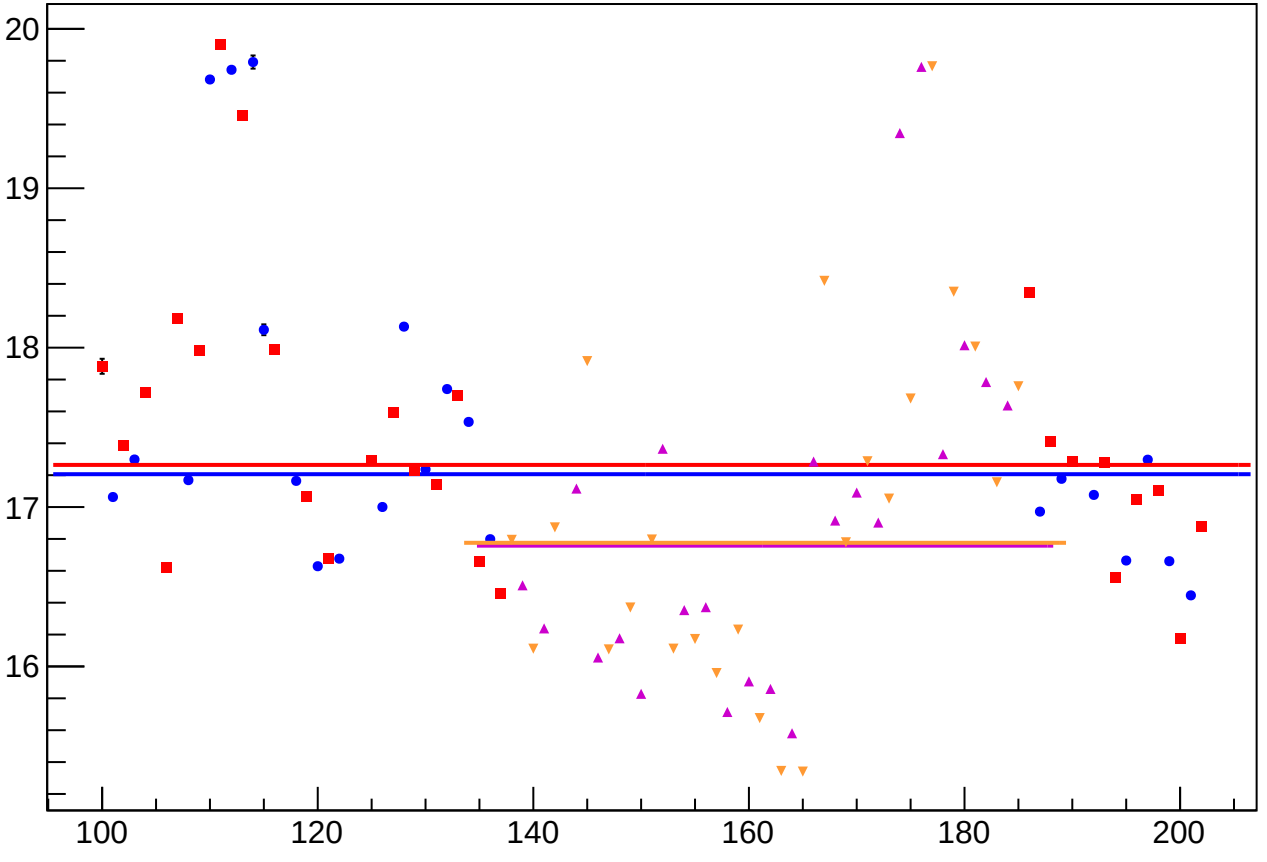
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.735+/-3.054 χ^2/NDF: 28.5/46

All: -1.339+/-2.134 χ^2/NDF: 90.0/96

- sign -3.317+/-2.982 χ^2/NDF: 60.6/49

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.206+/-0.003 χ^2/NDF: 47253.1/22

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.264+/-0.003 χ^2/NDF: 53634.3/26

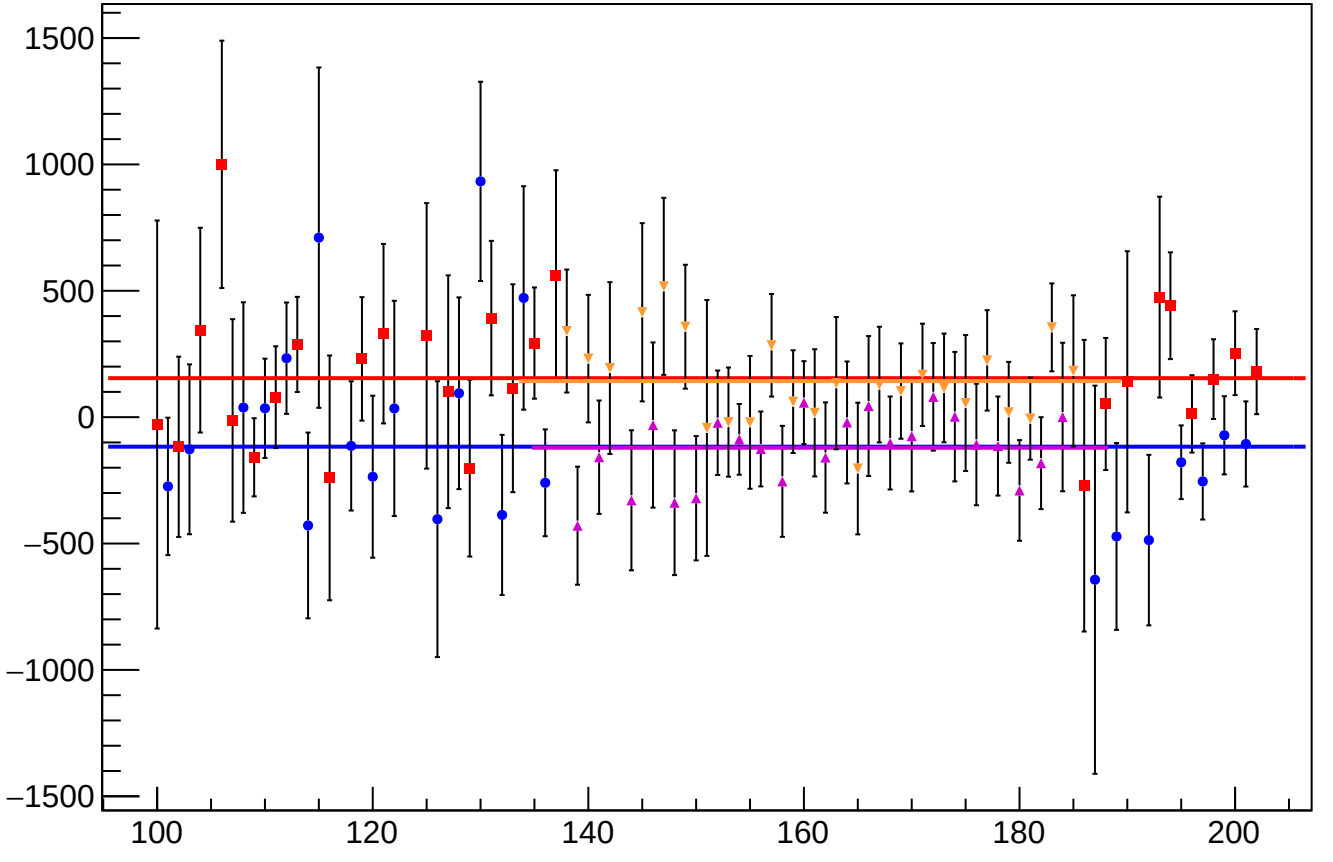
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.943+/-0.002 χ^2/NDF: 192825.7/46

All: 16.958+/-0.002 χ^2/NDF: 383940.5/96

- sign 16.972+/-0.002 χ^2/NDF: 191022.1/49

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -116.738+/-53.077 χ^2/NDF: 20.4/22

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 154.240+/-49.163 χ^2/NDF: 17.3/26

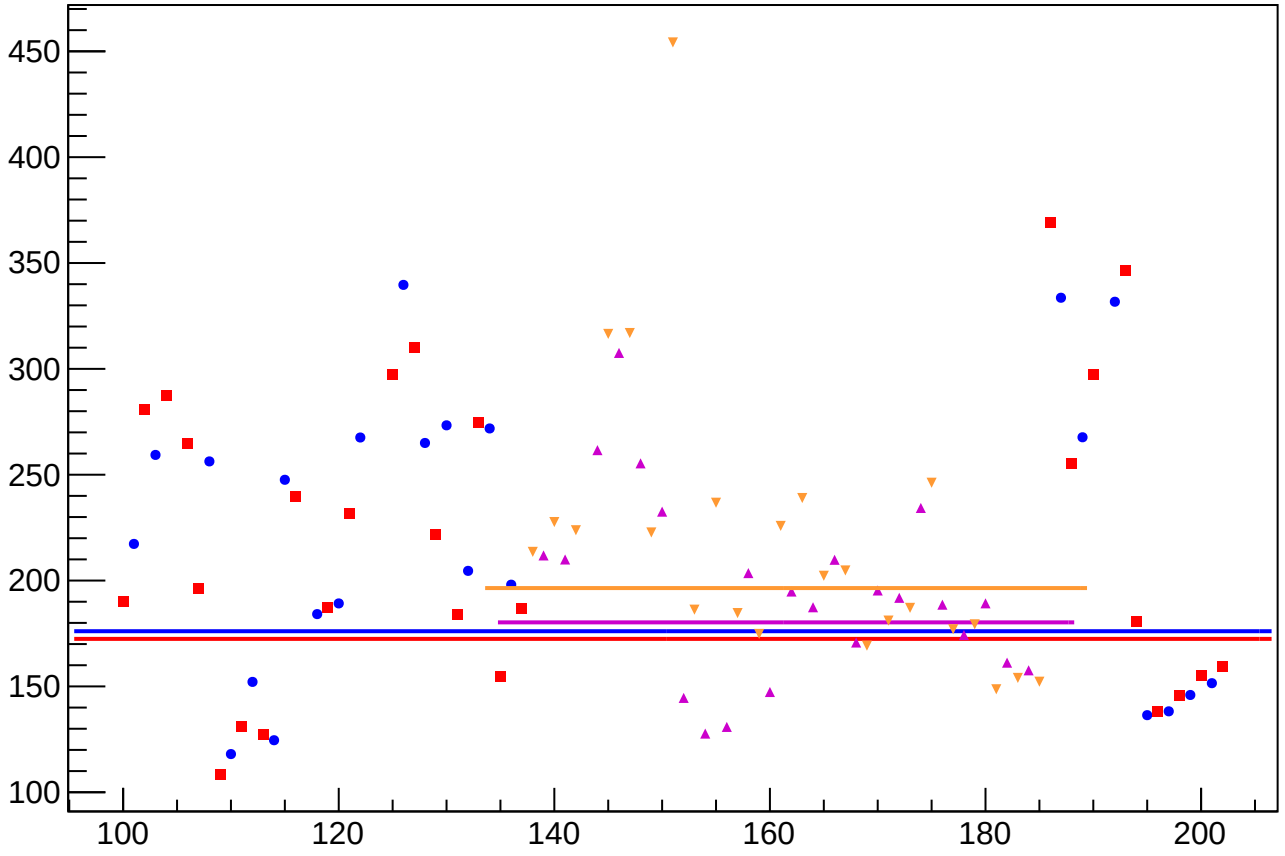
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 27.895+/-35.308 χ^2/NDF: 43.9/46

All: 13.697+/-24.025 χ^2/NDF: 87.1/96

- sign 1.456+/-32.784 χ^2/NDF: 42.9/49

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 176.075+/-0.038 χ^2/NDF: 2169037.5/22

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 172.449+/-0.035 χ^2/NDF: 2673216.1/26

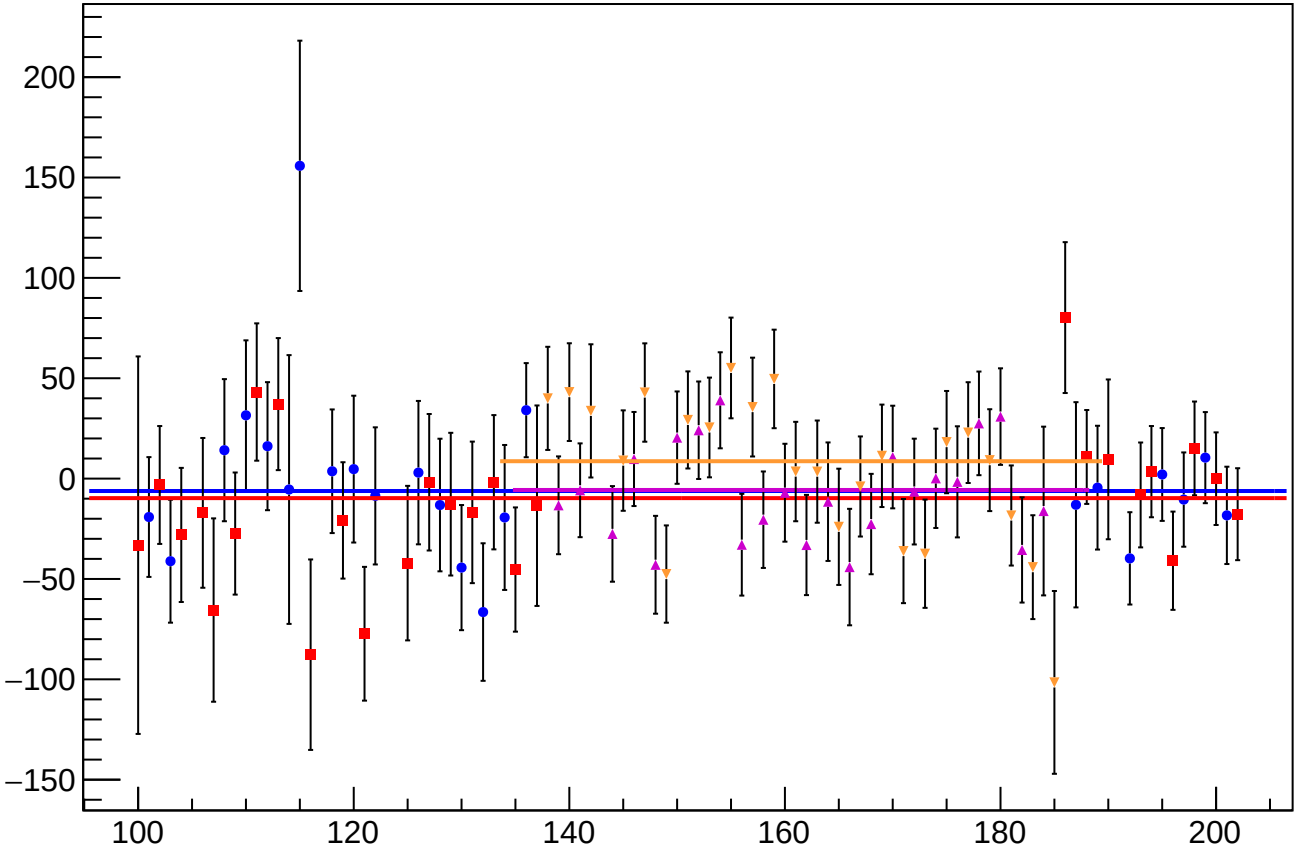
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 187.435+/-0.025 χ^2/NDF: 4056909.8/46

All: 181.713+/-0.017 χ^2/NDF: 8483658.0/96

- sign 176.780+/-0.023 χ^2/NDF: 4328940.7/49

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -6.183+/-6.370 χ^2/NDF: 21.2/22

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.727+/-5.966 χ^2/NDF: 26.0/26

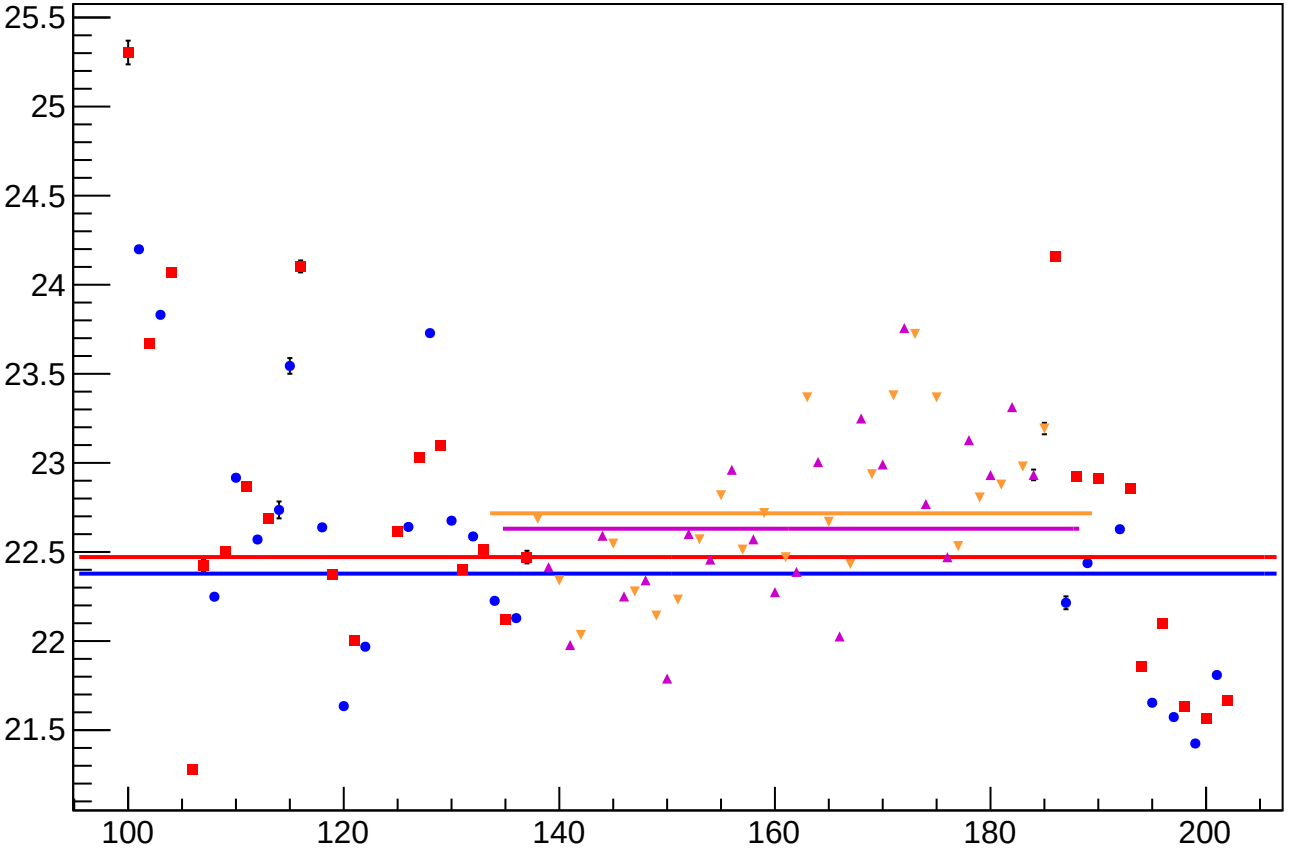
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 2.625+/-4.063 χ^2/NDF: 63.6/46

All: -2.547+/-2.835 χ^2/NDF: 113.7/96

- sign -7.453+/-3.957 χ^2/NDF: 47.0/49

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.378+/-0.005 χ^2/NDF: 27643.6/22

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.471+/-0.004 χ^2/NDF: 31867.6/26

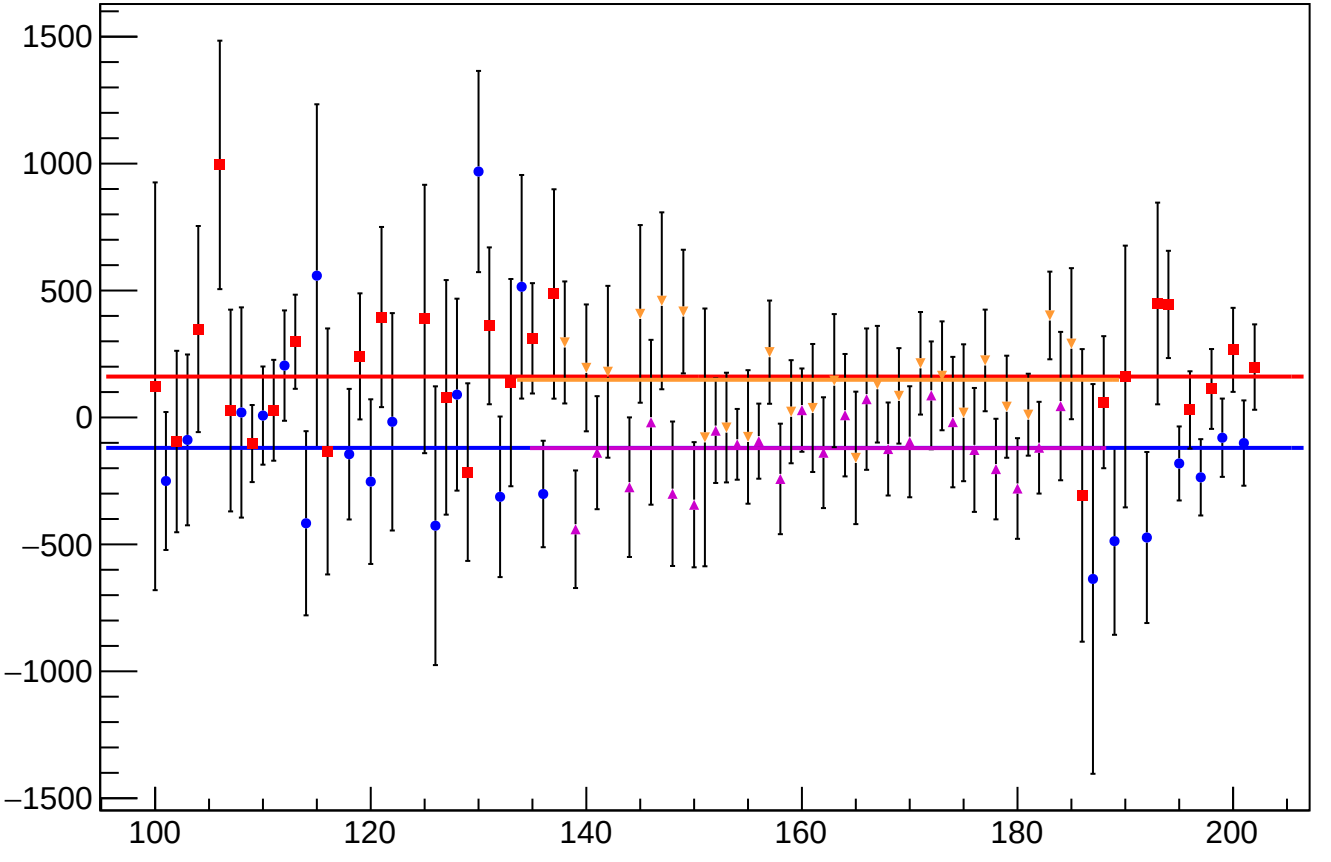
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.579+/-0.003 χ^2/NDF: 43172.0/46

All: 22.570+/-0.002 χ^2/NDF: 91249.0/96

- sign 22.561+/-0.003 χ^2/NDF: 48055.3/49

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -119.872+/-52.915 χ^2/NDF: 19.7/22

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 161.075+/-48.924 χ^2/NDF: 16.0/26

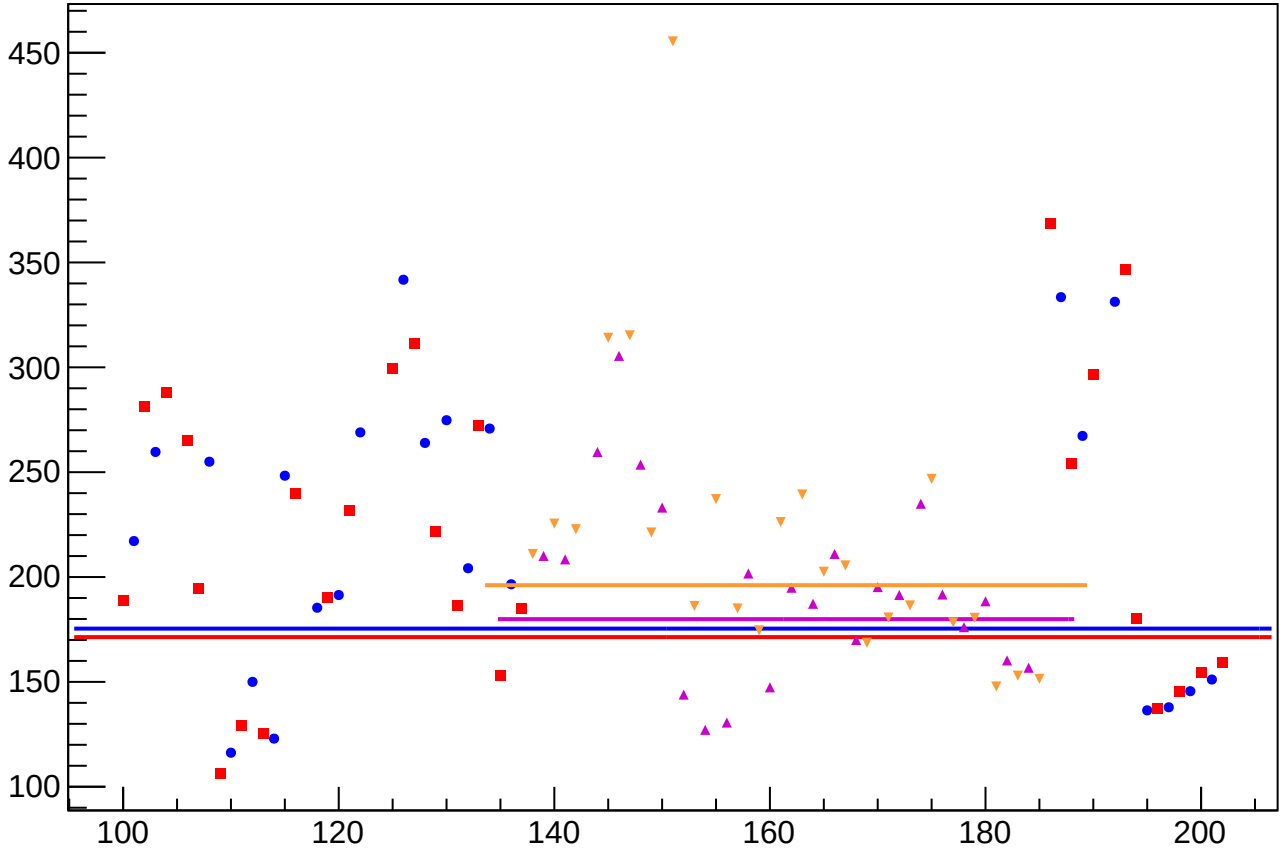
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 29.506+/-35.229 χ^2/NDF: 44.9/46

All: 16.341+/-23.960 χ^2/NDF: 87.4/96

- sign 5.011+/-32.683 χ^2/NDF: 42.3/49

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 175.408+/-0.037 χ^2/NDF: 2200191.0/22

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 171.354+/-0.035 χ^2/NDF: 2745313.9/26

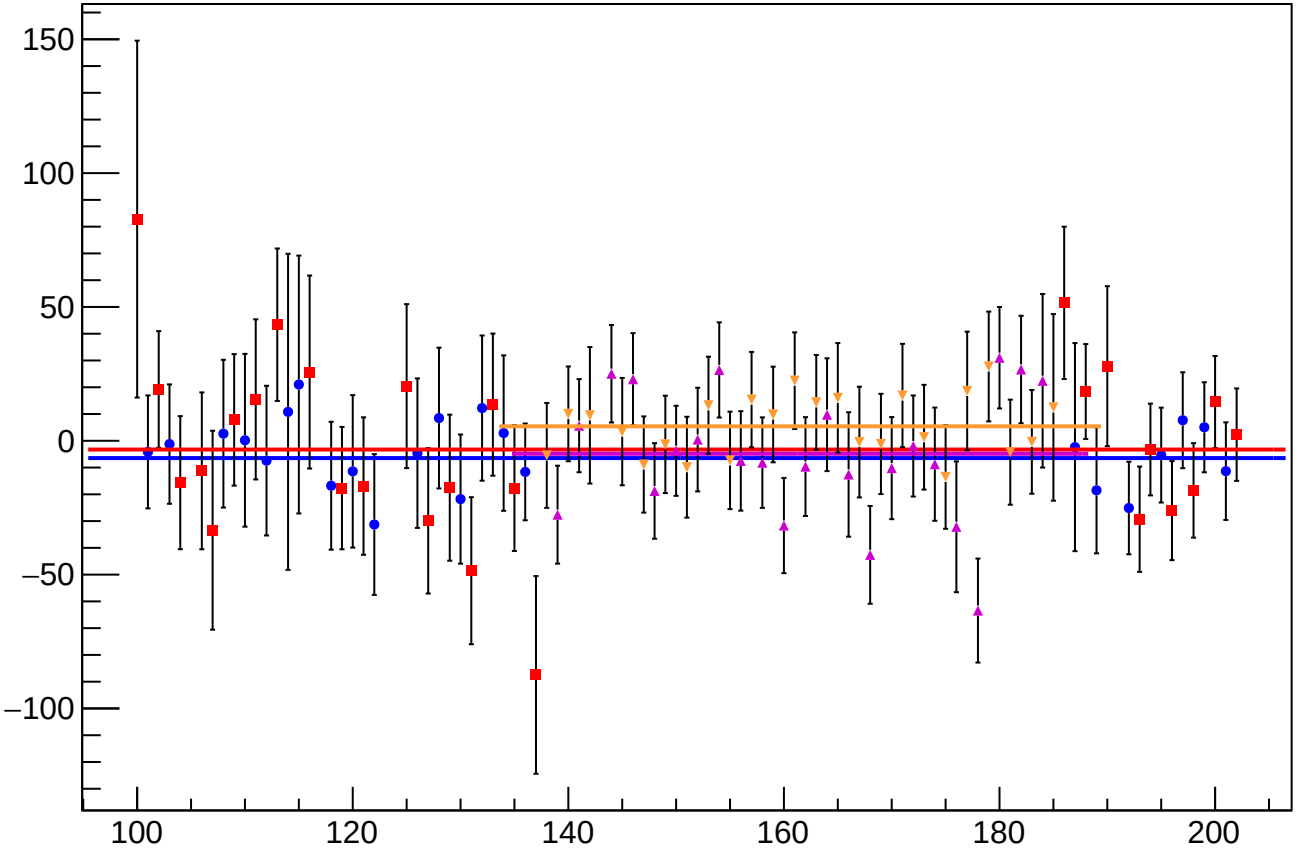
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 186.935+/-0.025 χ^2/NDF: 4096947.0/46

All: 181.112+/-0.017 χ^2/NDF: 8602085.9/96

- sign 176.099+/-0.023 χ^2/NDF: 4403437.8/49

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.461+/-4.899 χ^2/NDF: 5.7/22

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -3.273+/-4.588 χ^2/NDF: 30.3/26

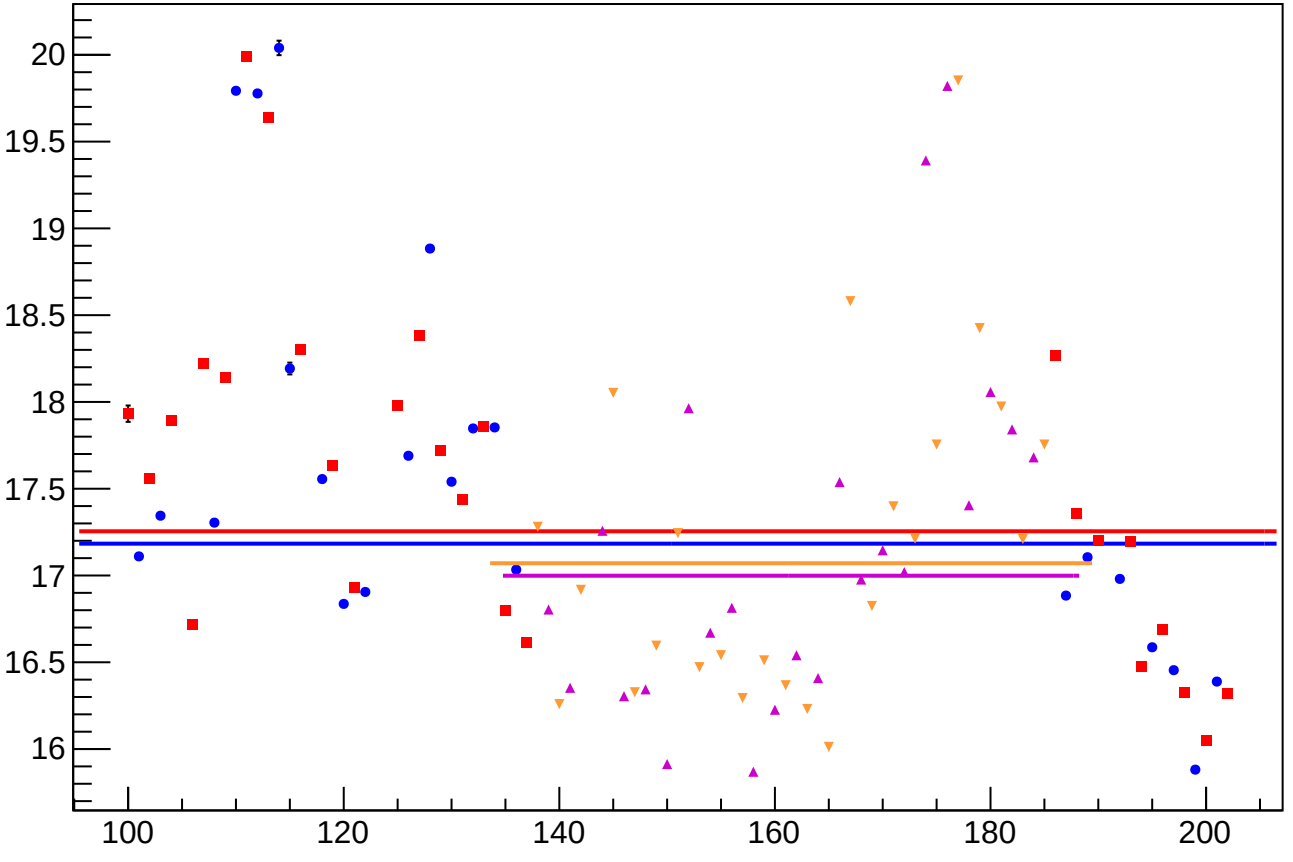
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.700+/-3.085 χ^2/NDF: 17.1/46

All: -1.802+/-2.153 χ^2/NDF: 84.2/96

- sign -4.177+/-3.007 χ^2/NDF: 65.9/49

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.183+/-0.003 χ^2/NDF: 70643.8/22

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.255+/-0.003 χ^2/NDF: 77294.6/26

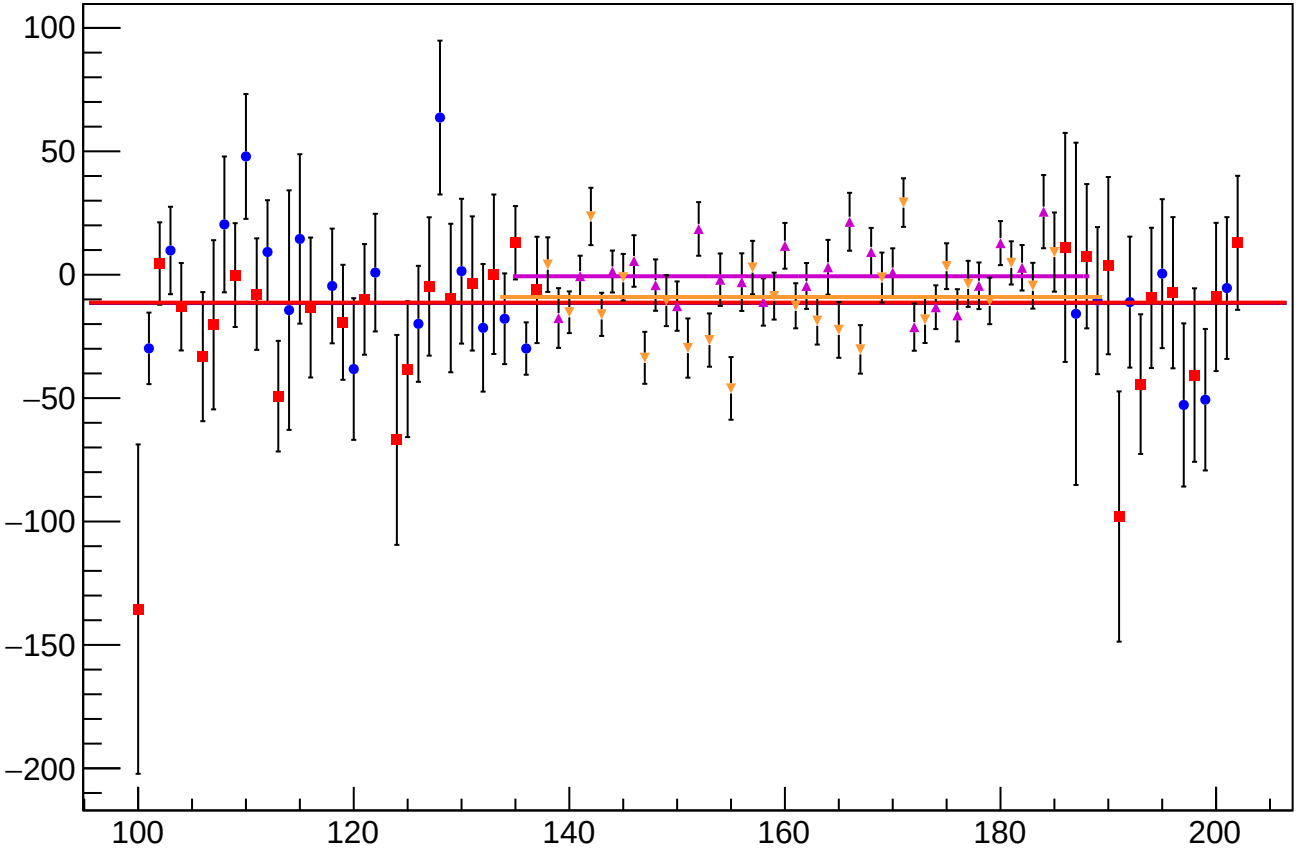
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.115+/-0.002 χ^2/NDF: 167594.8/46

All: 17.112+/-0.002 χ^2/NDF: 352468.0/96

- sign 17.109+/-0.002 χ^2/NDF: 184868.4/49

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -11.463+/-4.782 χ^2/NDF: 25.7/22

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

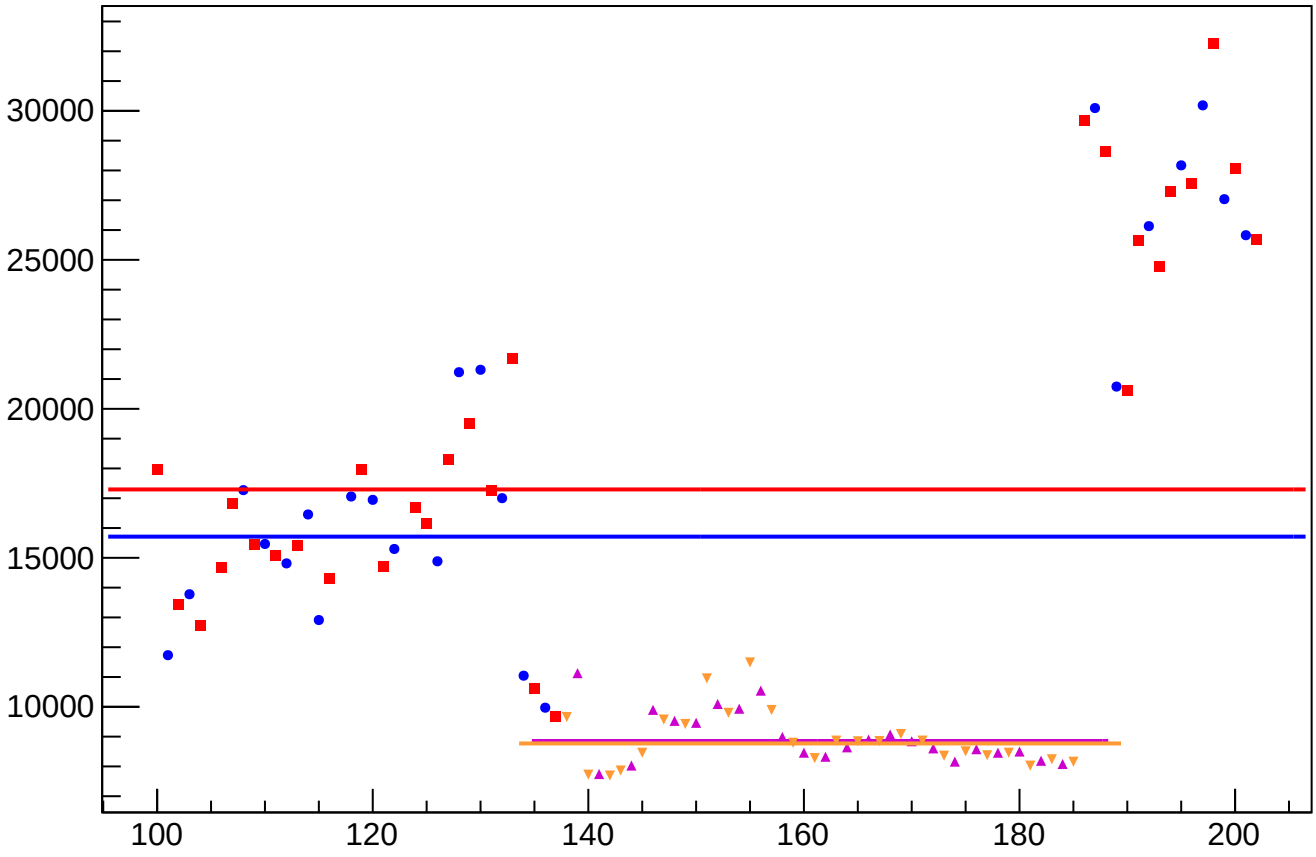
Right Out: -11.311+/-4.797 χ^2/NDF: 20.7/28

Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.392+/-1.850 χ^2/NDF: 88.0/47

All: -5.963+/-1.328 χ^2/NDF: 149.4/99

- sign -2.318+/-1.908 χ^2/NDF: 54.4/51



Right In: 15711.343+/-3.381 χ^2/NDF: 2802599.4/22

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17295.207+/-3.392 χ^2/NDF: 3002746.1/28

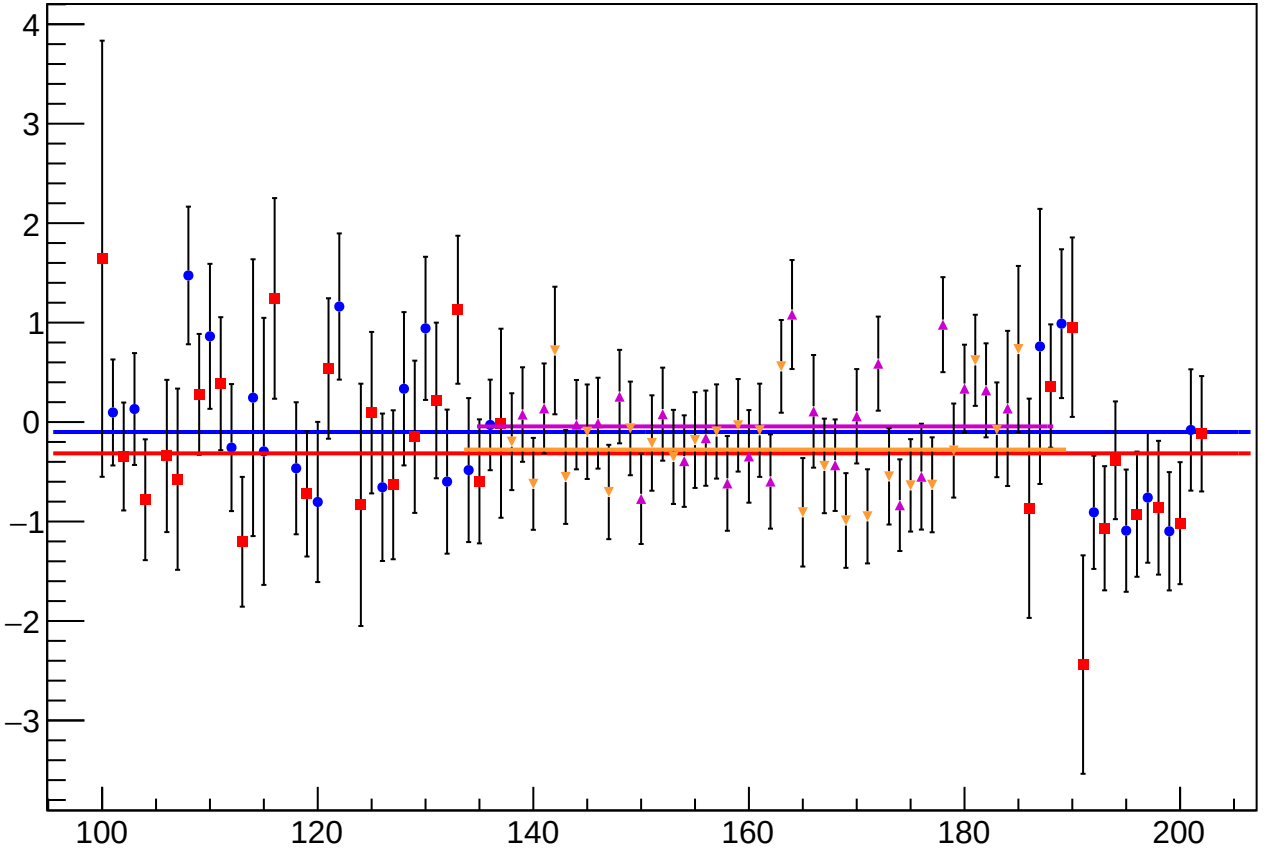
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9809.476+/-1.308 χ^2/NDF: 6731036.4/47

All: 9993.055+/-0.939 χ^2/NDF: 15289717.7/9

- sign 10188.240+/-1.349 χ^2/NDF: 8518055.3/51

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.100+/-0.142 χ^2/NDF: 26.1/22

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.315+/-0.134 χ^2/NDF: 26.5/28

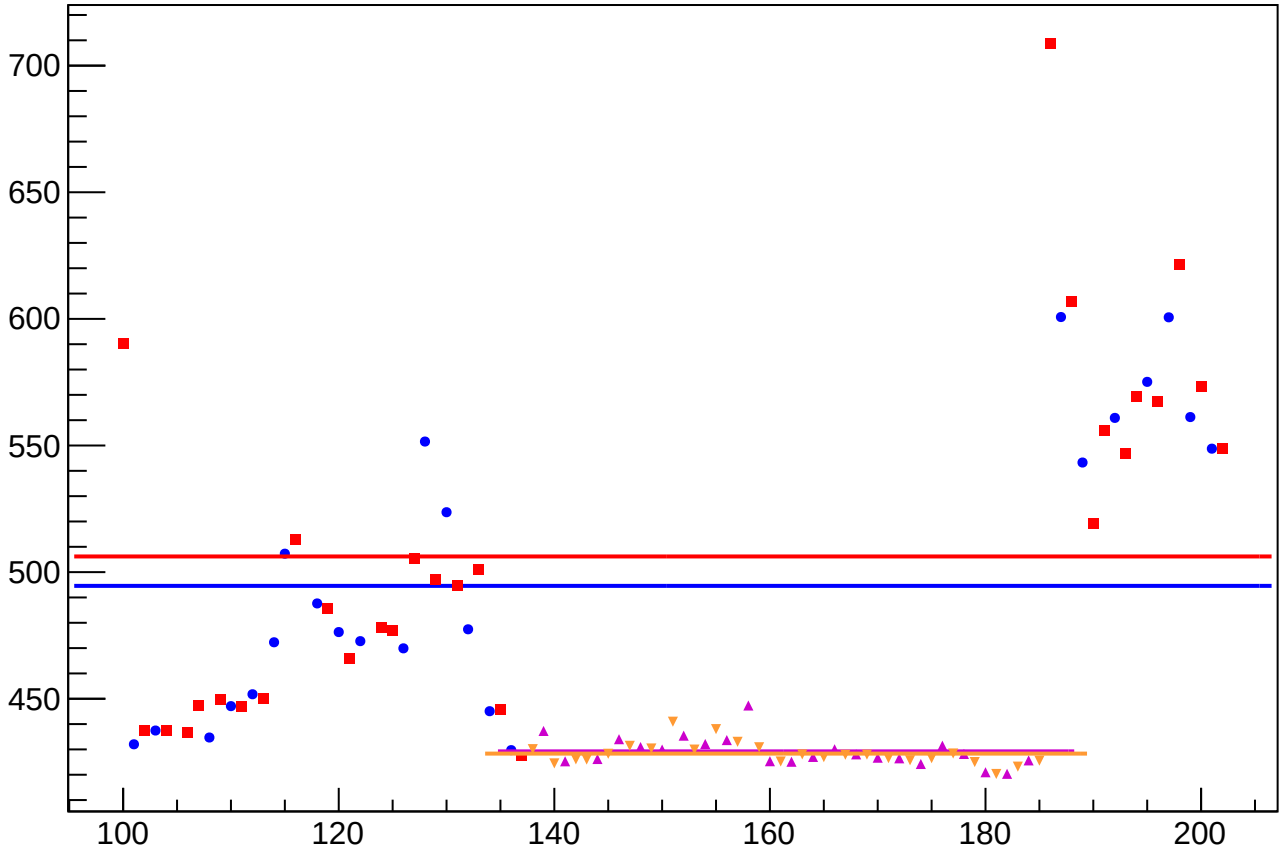
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.220+/-0.080 χ^2/NDF: 48.2/47

All: -0.181+/-0.057 χ^2/NDF: 101.6/99

- sign -0.141+/-0.080 χ^2/NDF: 52.9/51

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 494.575+/-0.100 χ^2/NDF: 326966.6/22

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.190+/-0.094 χ^2/NDF: 447018.5/28

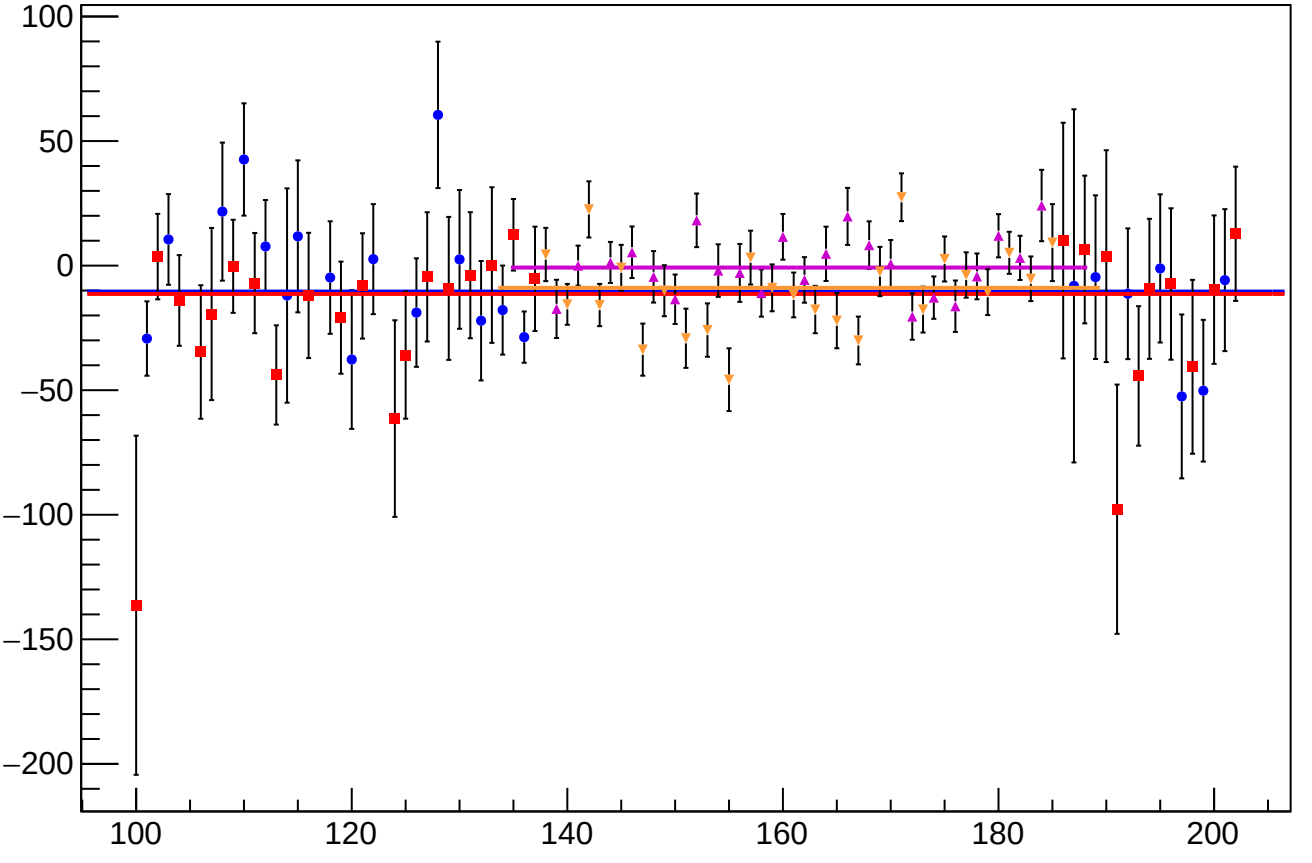
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 449.568+/-0.057 χ^2/NDF: 627929.9/47

All: 453.271+/-0.040 χ^2/NDF: 1515252.4/99

- sign 456.970+/-0.057 χ^2/NDF: 878802.1/51

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -10.415+/-4.636 χ^2/NDF: 26.1/22

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -11.353+/-4.633 χ^2/NDF: 20.5/28

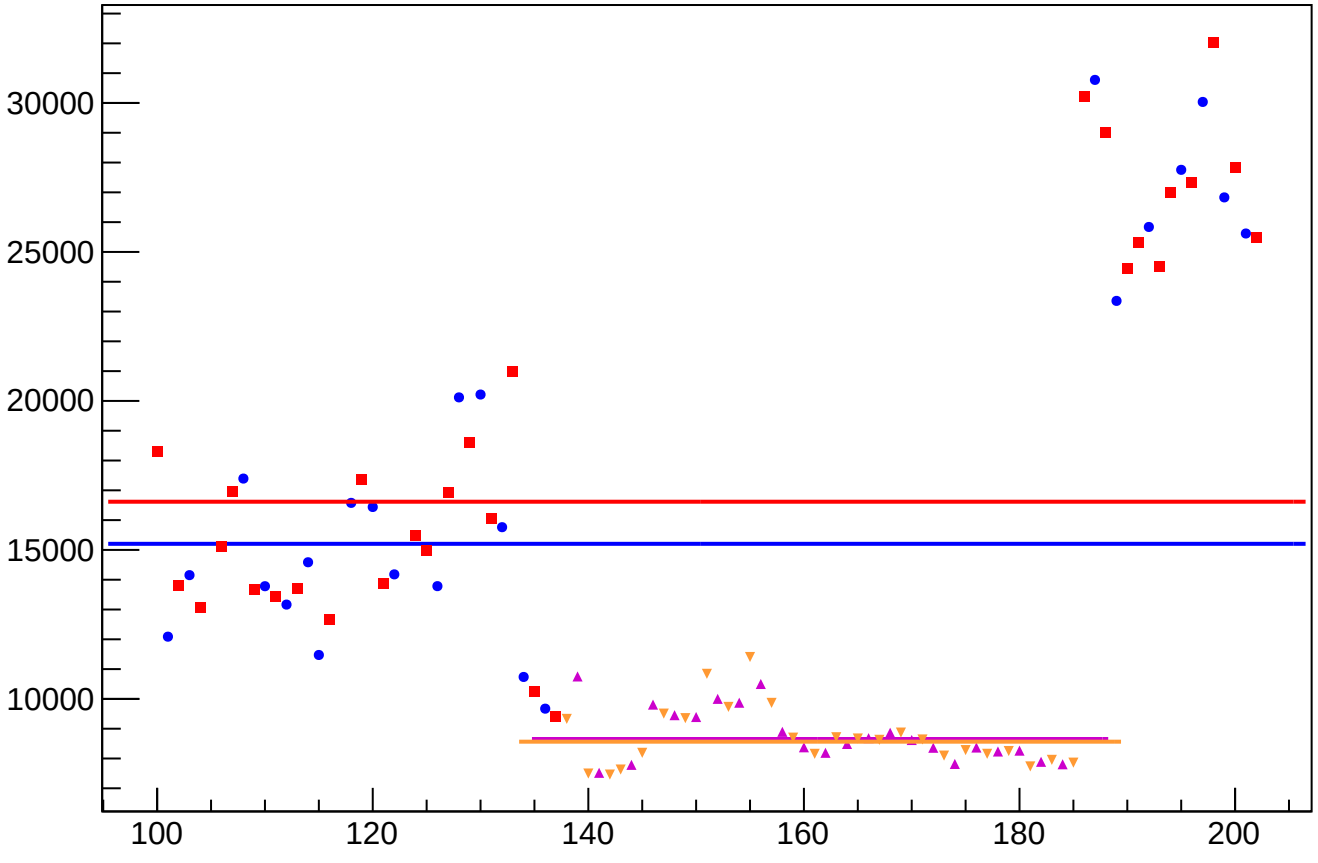
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -9.134+/-1.806 χ^2/NDF: 87.8/47

All: -5.910+/-1.296 χ^2/NDF: 148.5/99

- sign -2.482+/-1.862 χ^2/NDF: 54.1/51

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 15204.610+/-3.278 χ^2/NDF: 2928950.7/22

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16617.614+/-3.276 χ^2/NDF: 3266577.7/28

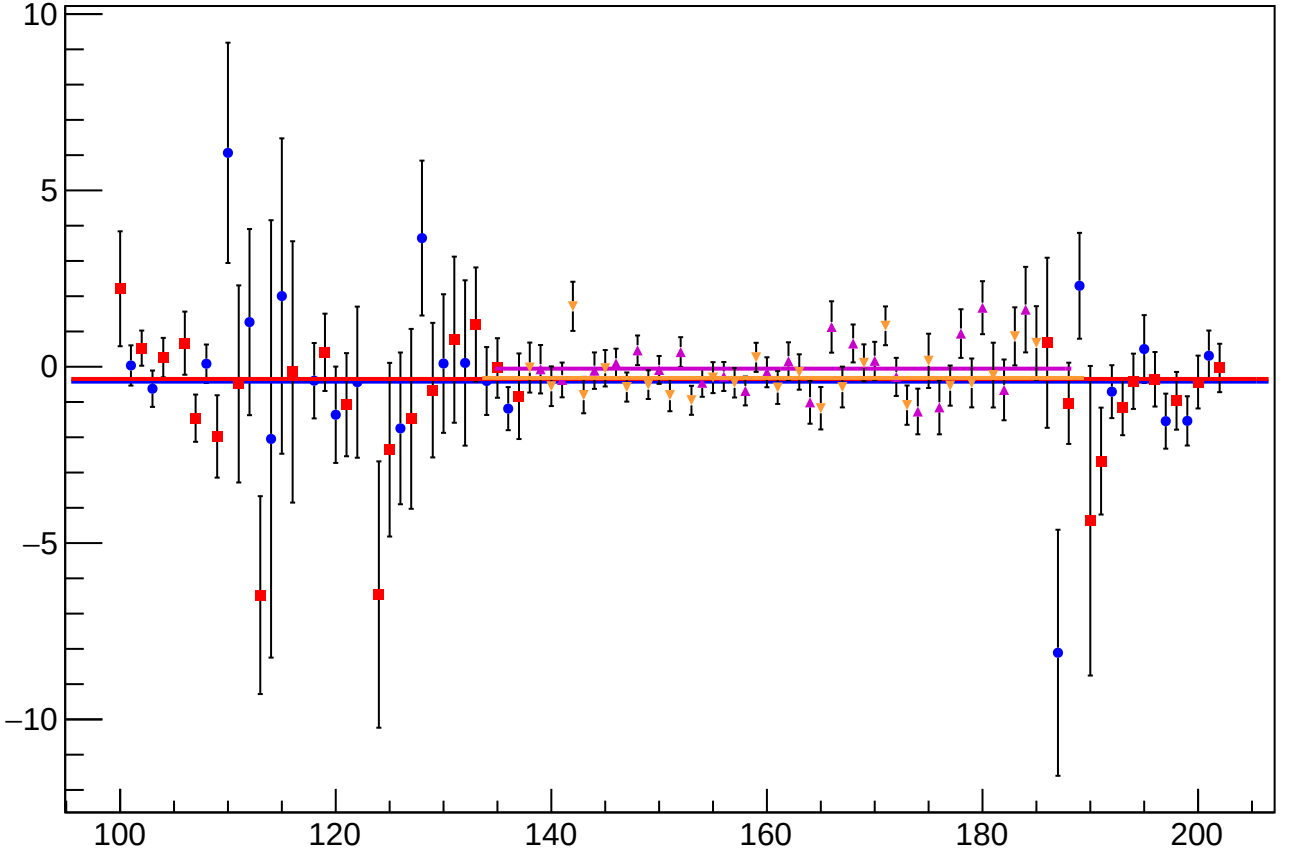
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9572.173+/-1.277 χ^2/NDF: 6810393.7/47

All: 9750.952+/-0.917 χ^2/NDF: 15417043.0/9

- sign 9941.075+/-1.317 χ^2/NDF: 8566205.6/51

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.422+/-0.197 χ^2/NDF: 27.6/22

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.346+/-0.187 χ^2/NDF: 28.7/28

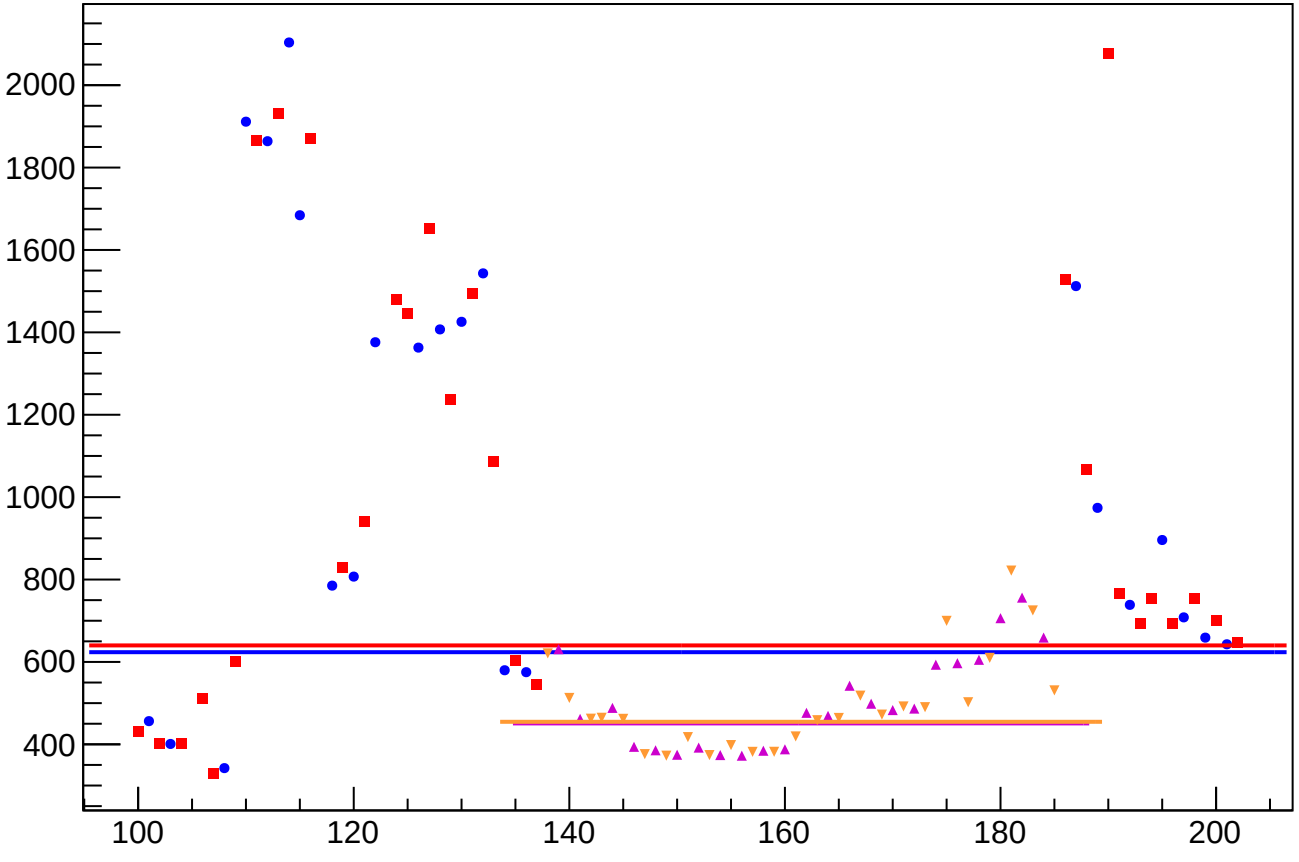
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.341+/-0.093 χ^2/NDF: 60.1/47

All: -0.234+/-0.066 χ^2/NDF: 123.0/99

- sign -0.127+/-0.094 χ^2/NDF: 60.3/51

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 623.672+/-0.139 χ^2/NDF: 4039767.4/22

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 640.098+/-0.133 χ^2/NDF: 4644490.8/28

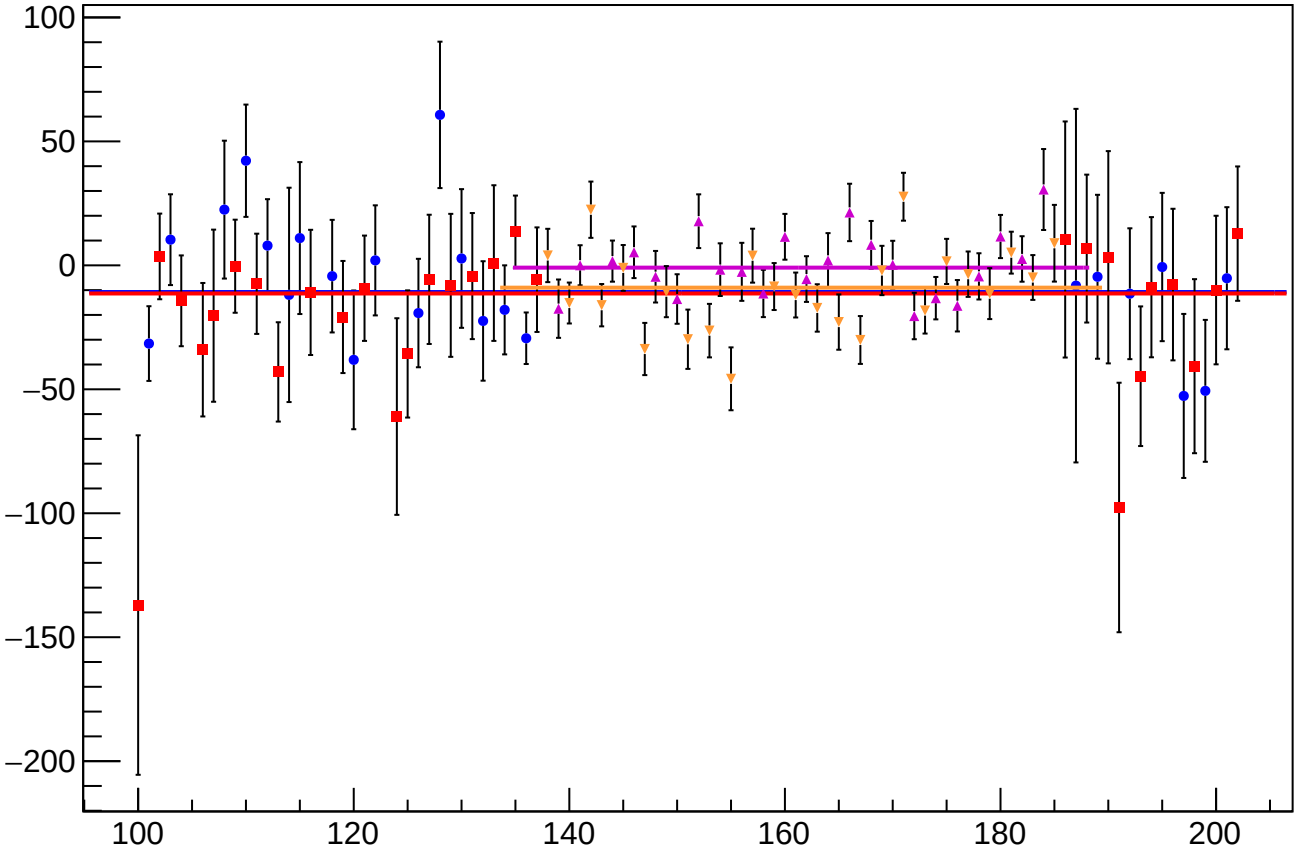
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 492.672+/-0.066 χ^2/NDF: 6633849.7/47

All: 495.340+/-0.047 χ^2/NDF: 14283542.2/99

- sign 498.029+/-0.066 χ^2/NDF: 7646410.3/51

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -10.768+/-4.666 χ^2/NDF: 26.6/22

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

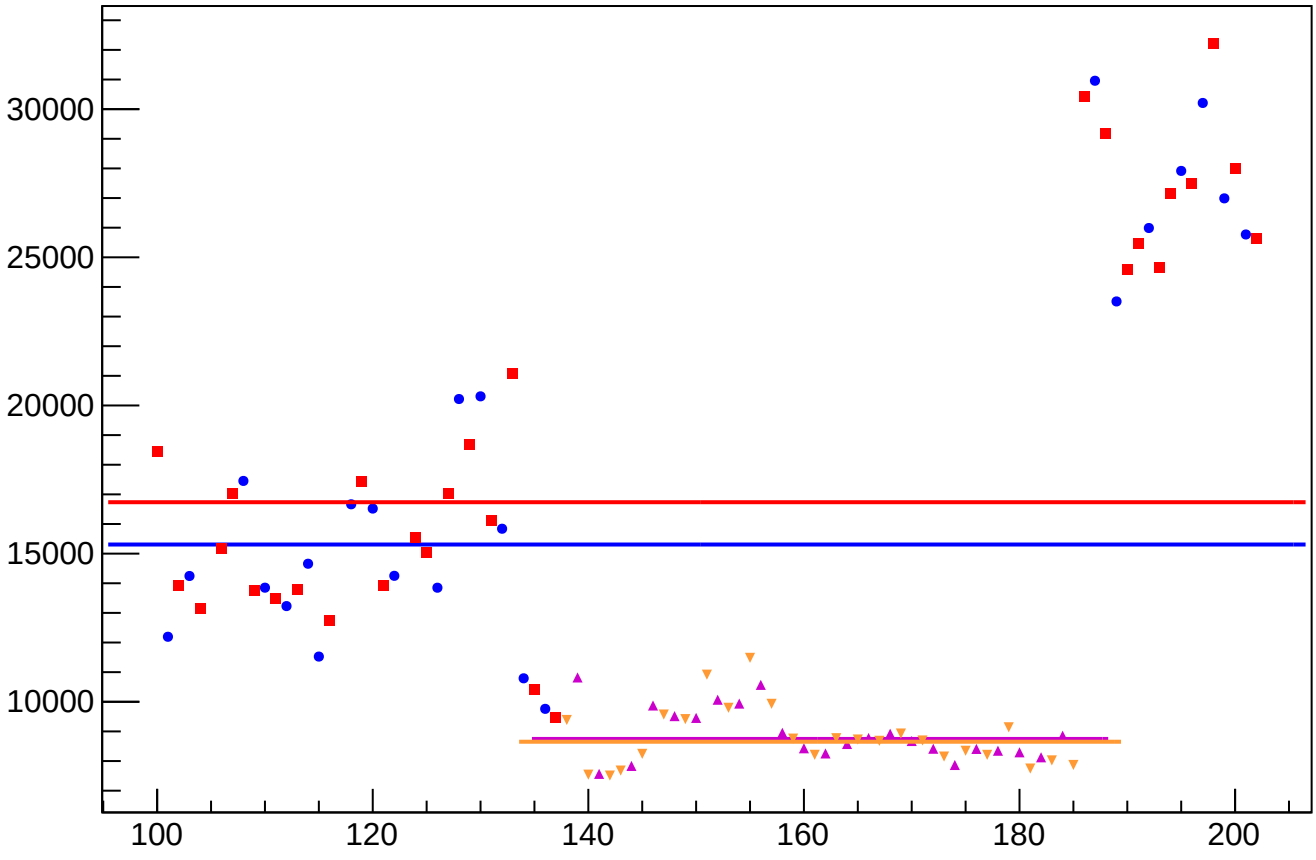
Right Out: -11.351+/-4.664 χ^2/NDF: 20.3/28

Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.271+/-1.824 χ^2/NDF: 88.0/47

All: -6.048+/-1.309 χ^2/NDF: 148.7/99

- sign -2.621+/-1.881 χ^2/NDF: 54.3/51



Right In: 15307.587+/-3.299 χ^2/NDF: 2915884.8/22

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 16735.351+/-3.298 χ^2/NDF: 3245796.1/28

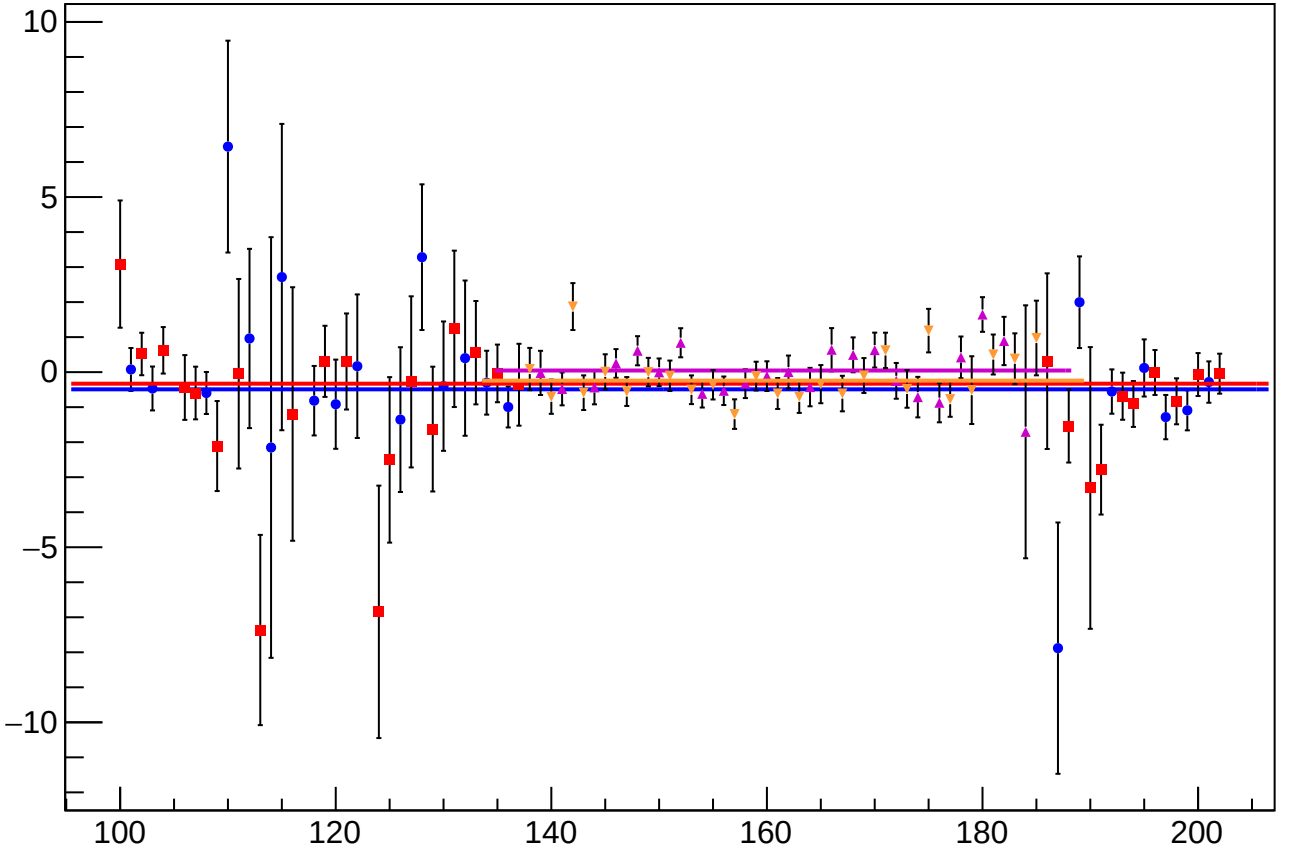
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9669.015+/-1.290 χ^2/NDF: 6768758.1/47

All: 9851.509+/-0.926 χ^2/NDF: 15300827.1/9

- sign 10045.578+/-1.330 χ^2/NDF: 8490761.0/51

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.491+/-0.188 χ^2/NDF: 23.0/22

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.330+/-0.179 χ^2/NDF: 30.6/28

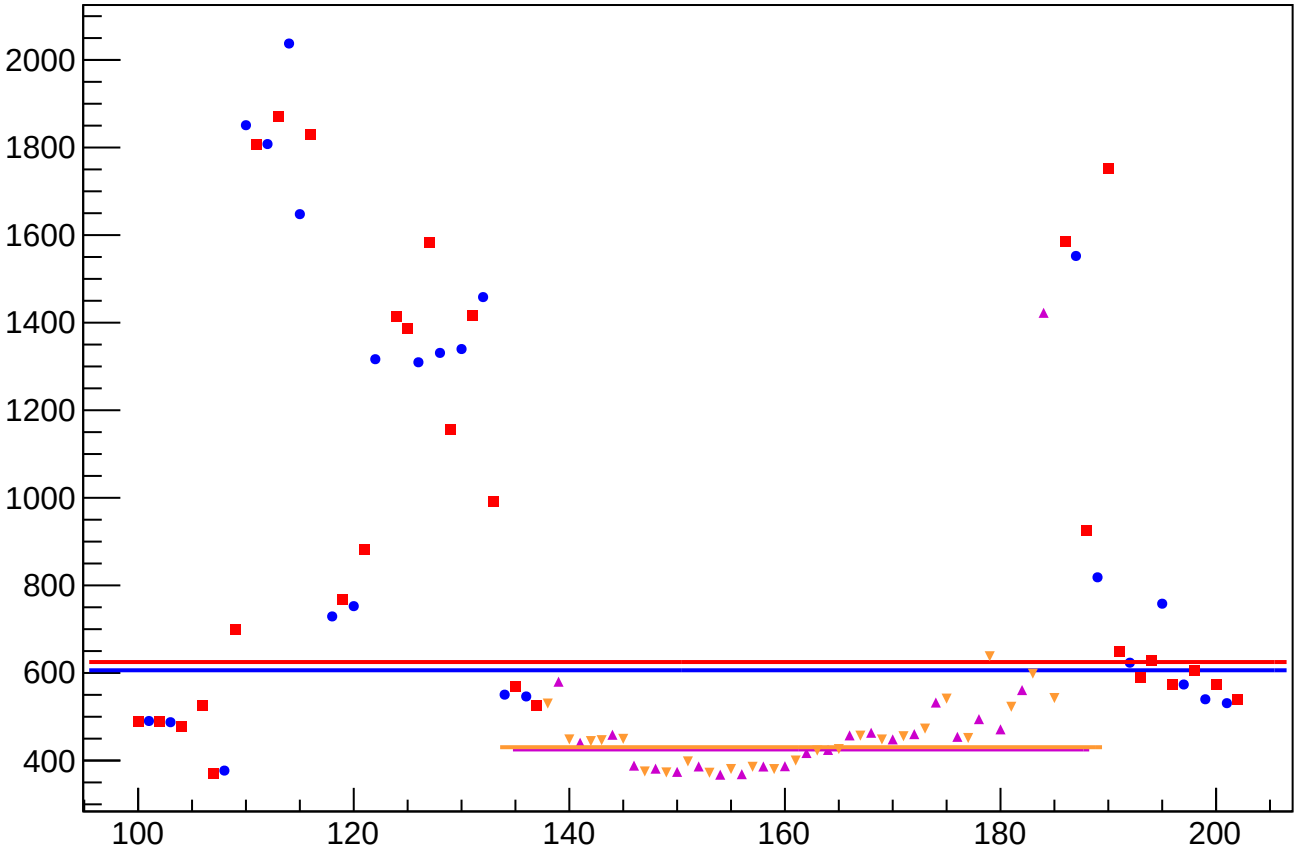
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.297+/-0.088 χ^2/NDF: 58.7/47

All: -0.171+/-0.063 χ^2/NDF: 131.7/99

- sign -0.045+/-0.088 χ^2/NDF: 69.0/51

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 606.124+/-0.133 χ^2/NDF: 3179904.3/22

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

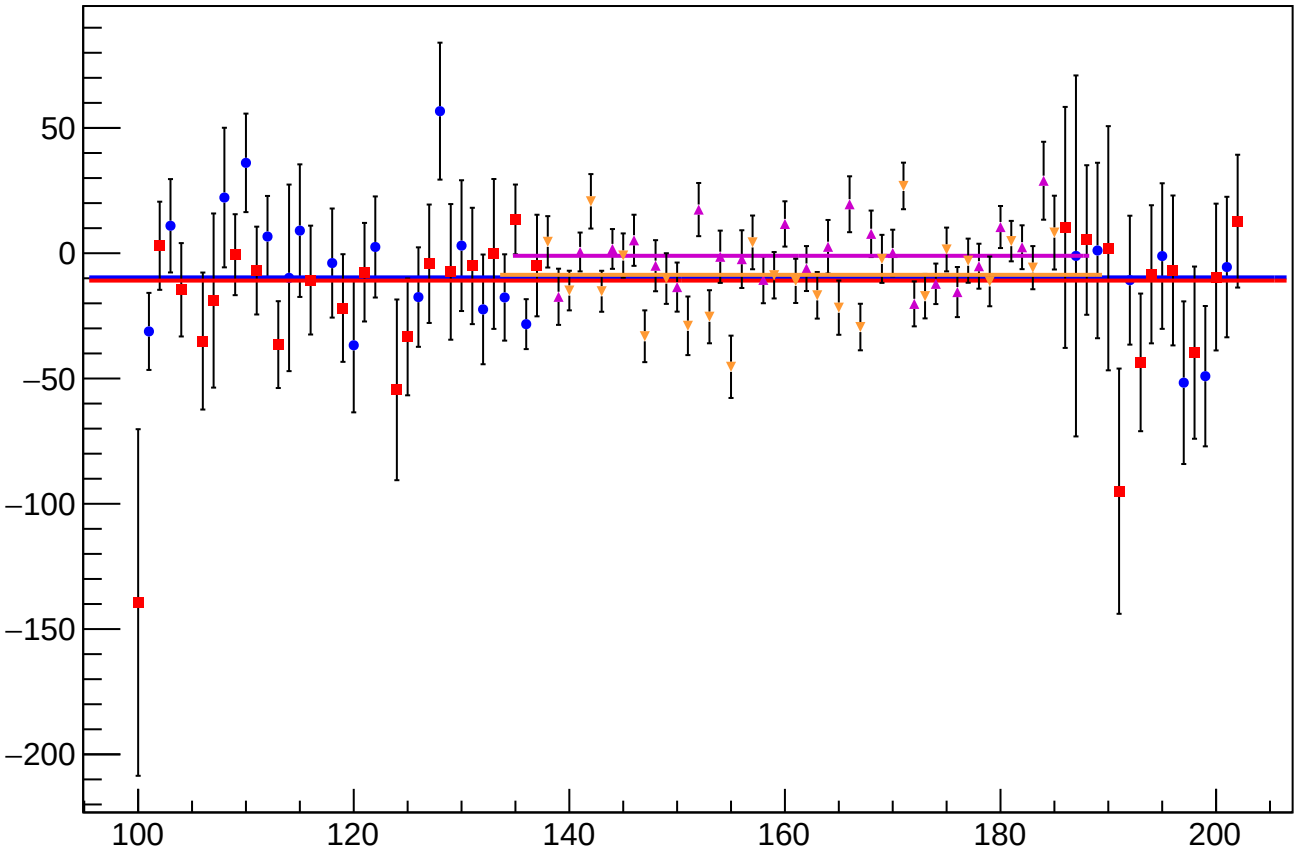
Right Out: 624.959+/-0.127 χ^2/NDF: 3488380.6/28

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 469.395+/-0.063 χ^2/NDF: 5191176.3/47

All: 471.587+/-0.044 χ^2/NDF: 11274319.8/99

- sign 473.779+/-0.063 χ^2/NDF: 6080684.7/51



Right In: -9.642+/-4.429 χ^2/NDF: 27.1/22

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

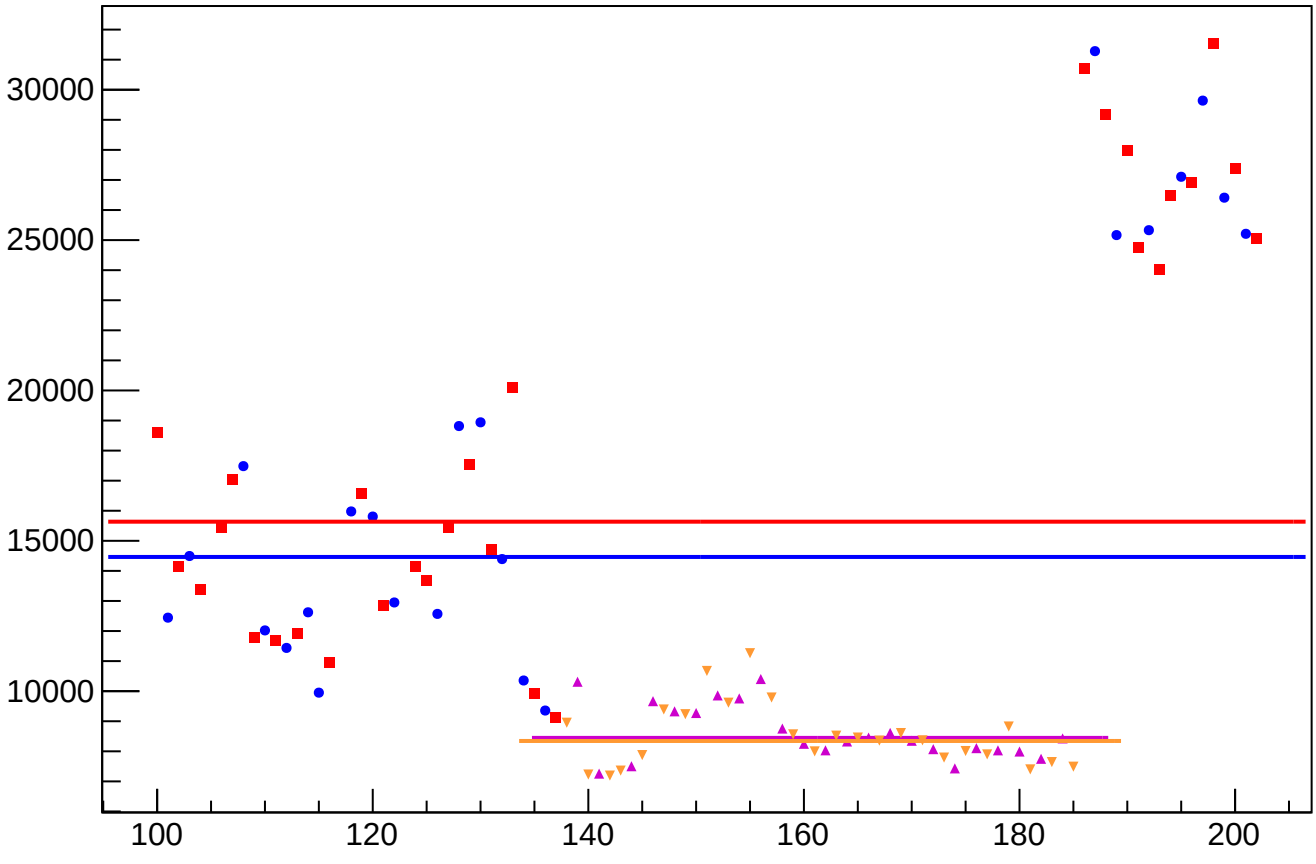
Right Out: -10.921+/-4.398 χ^2/NDF: 20.2/28

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.783+/-1.756 χ^2/NDF: 88.8/47

All: -5.836+/-1.261 χ^2/NDF: 148.7/99

- sign -2.704+/-1.811 χ^2/NDF: 54.1/51



Right In: 14463.636+/-3.132 χ^2/NDF: 3141213.8/22

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 15636.484+/-3.110 χ^2/NDF: 3699567.9/28

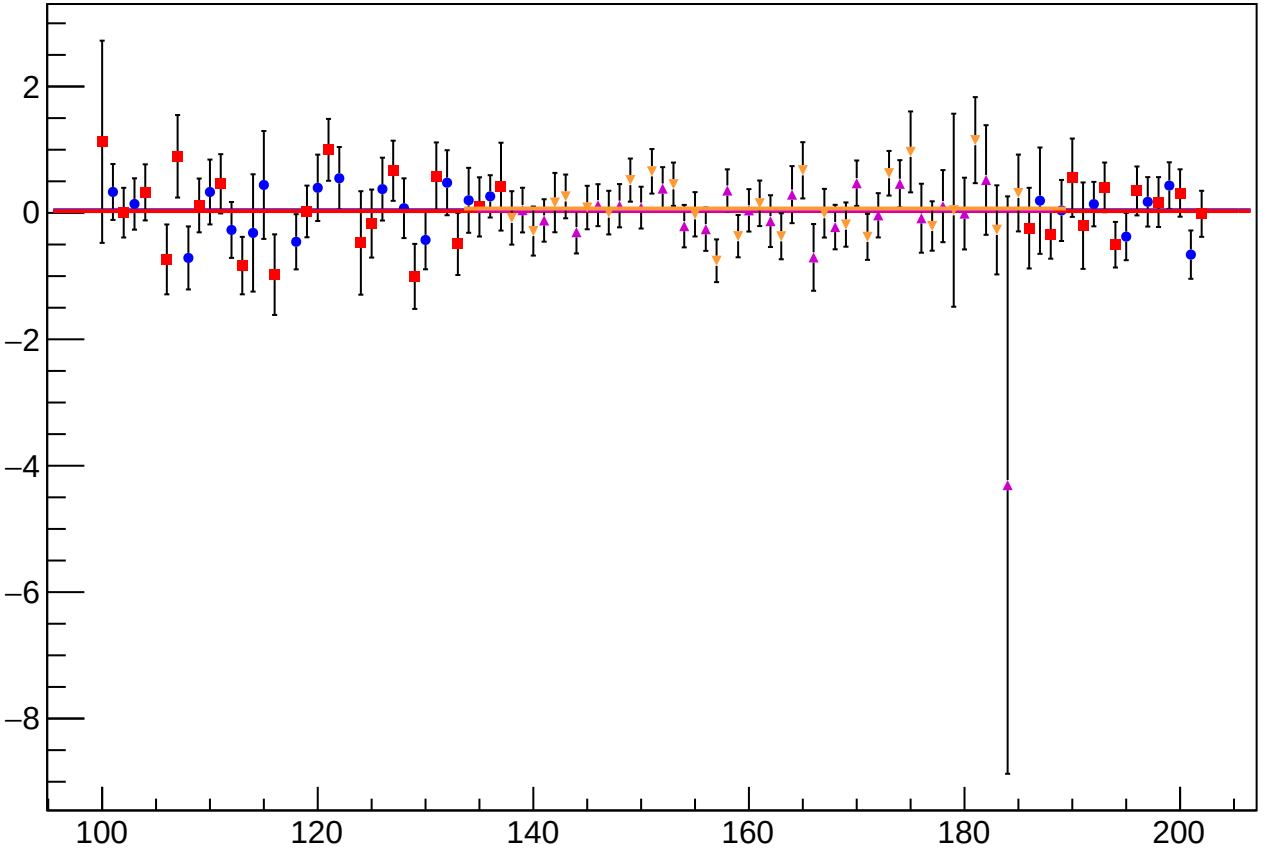
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9306.552+/-1.242 χ^2/NDF: 6828347.7/47

All: 9480.321+/-0.891 χ^2/NDF: 15389059.6/9

- sign 9665.005+/-1.280 χ^2/NDF: 8520320.5/51

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.041+/-0.095 χ^2/NDF: 15.5/22

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.030+/-0.088 χ^2/NDF: 30.8/28

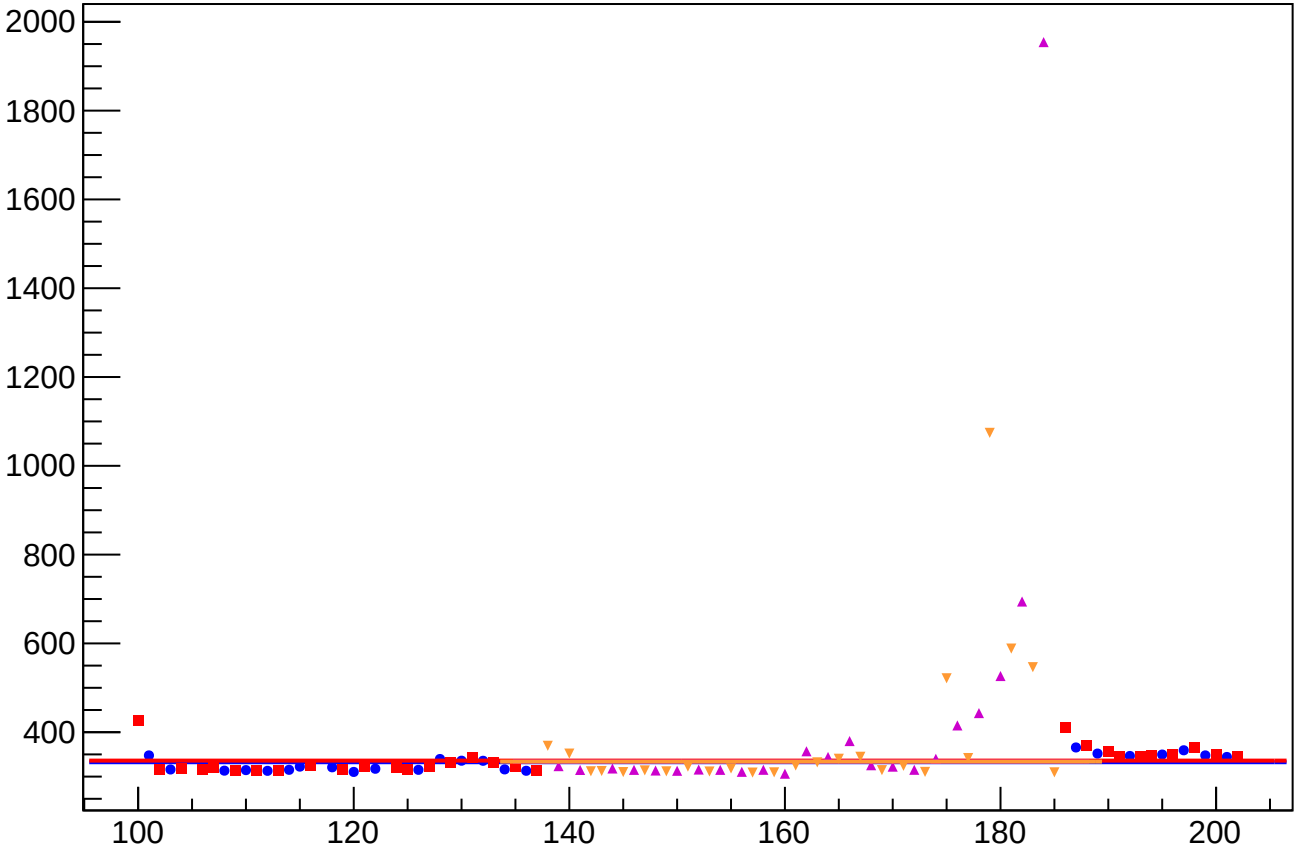
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.058+/-0.061 χ^2/NDF: 43.7/47

All: 0.046+/-0.043 χ^2/NDF: 86.3/99

- sign 0.034+/-0.060 χ^2/NDF: 42.5/51

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 332.385+/-0.067 χ^2/NDF: 62673.2/22

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 336.015+/-0.062 χ^2/NDF: 115240.1/28

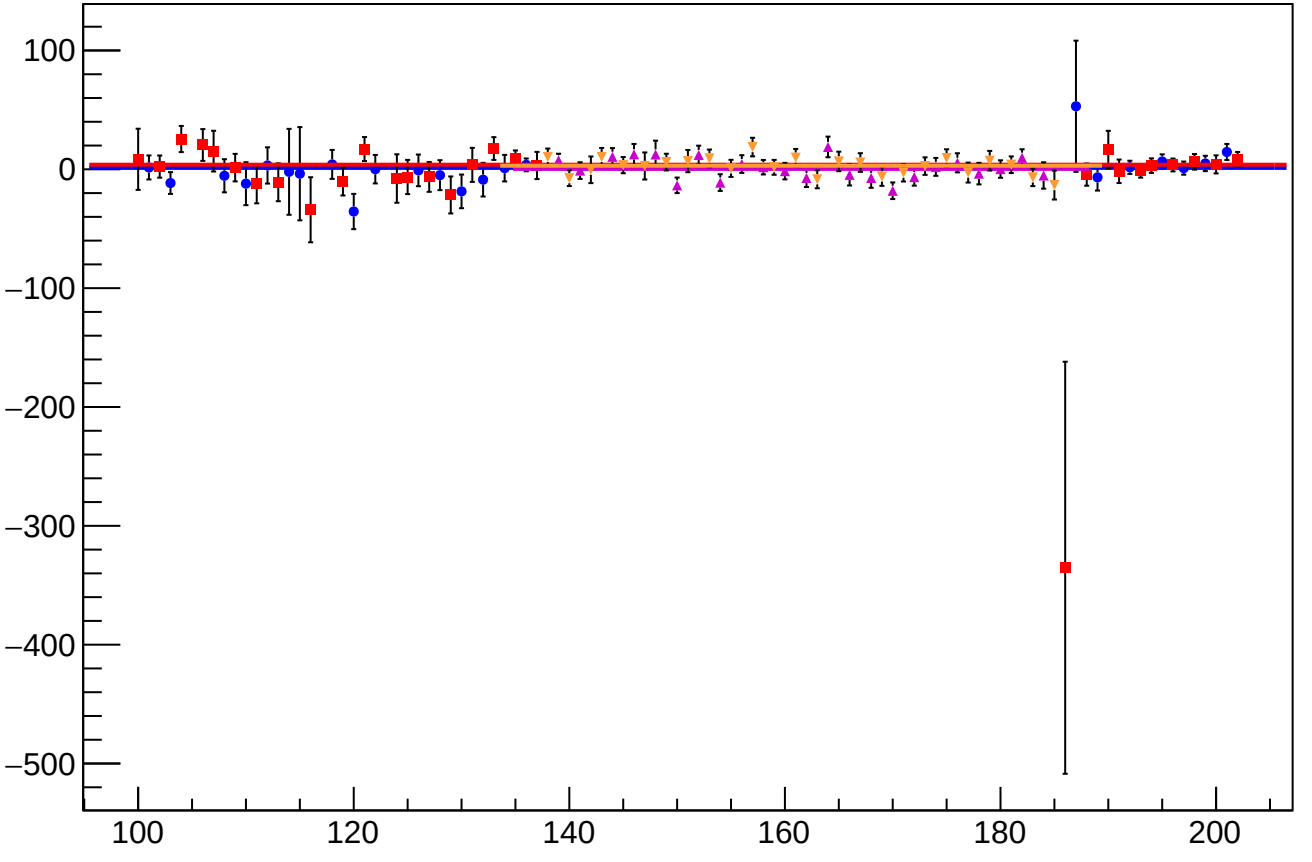
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 333.211+/-0.043 χ^2/NDF: 1280186.5/47

All: 334.076+/-0.030 χ^2/NDF: 2447786.3/99

- sign 334.909+/-0.042 χ^2/NDF: 1166803.3/51

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 1.206+/-1.944 χ^2/NDF: 18.3/22

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

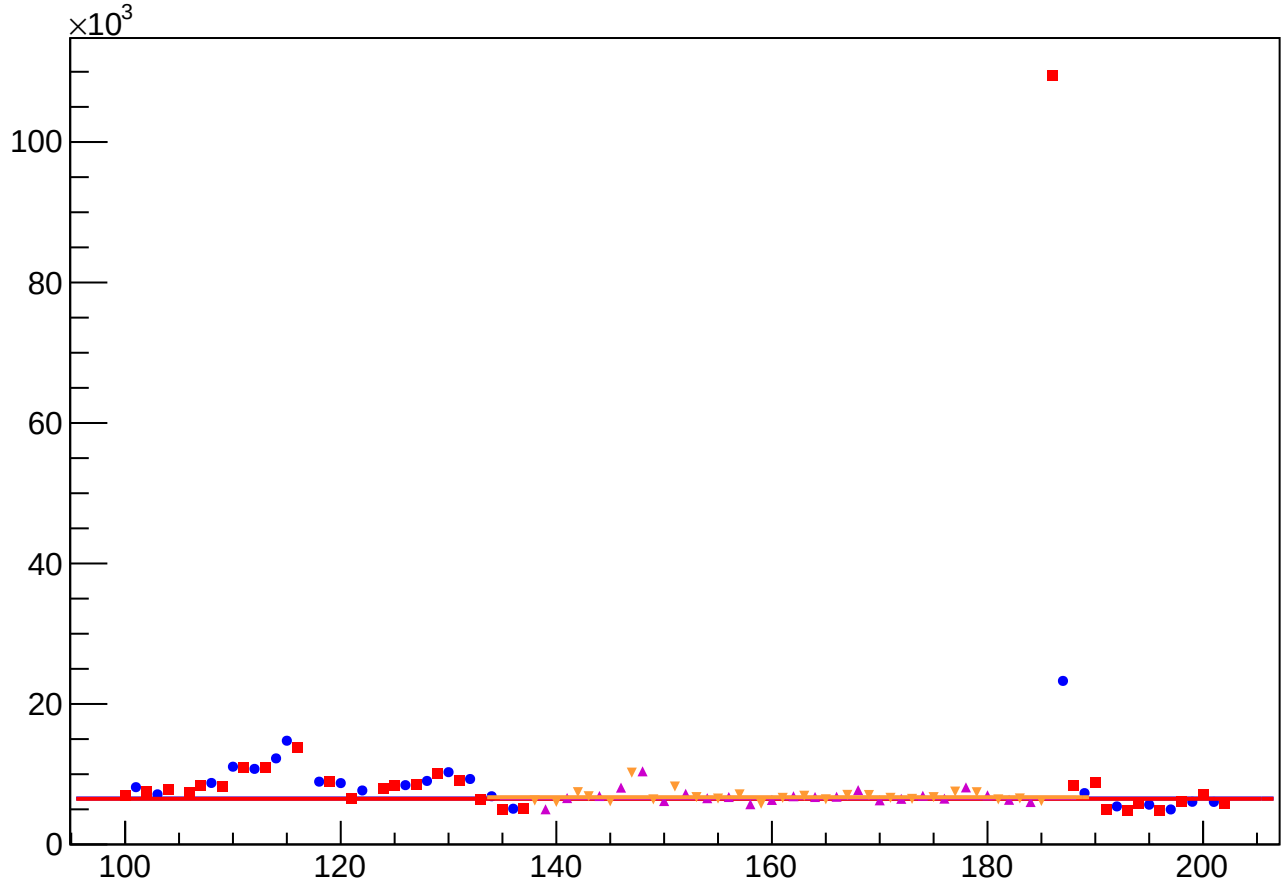
Right Out: 3.890+/-1.796 χ^2/NDF: 26.7/28

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.322+/-1.208 χ^2/NDF: 39.1/47

All: 2.097+/-0.845 χ^2/NDF: 101.9/99

- sign 1.883+/-1.181 χ^2/NDF: 62.7/51



Right In: 6541.928+/-1.375 χ^2/NDF: 1647252.5/22

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6497.549+/-1.270 χ^2/NDF: 2361301.5/28

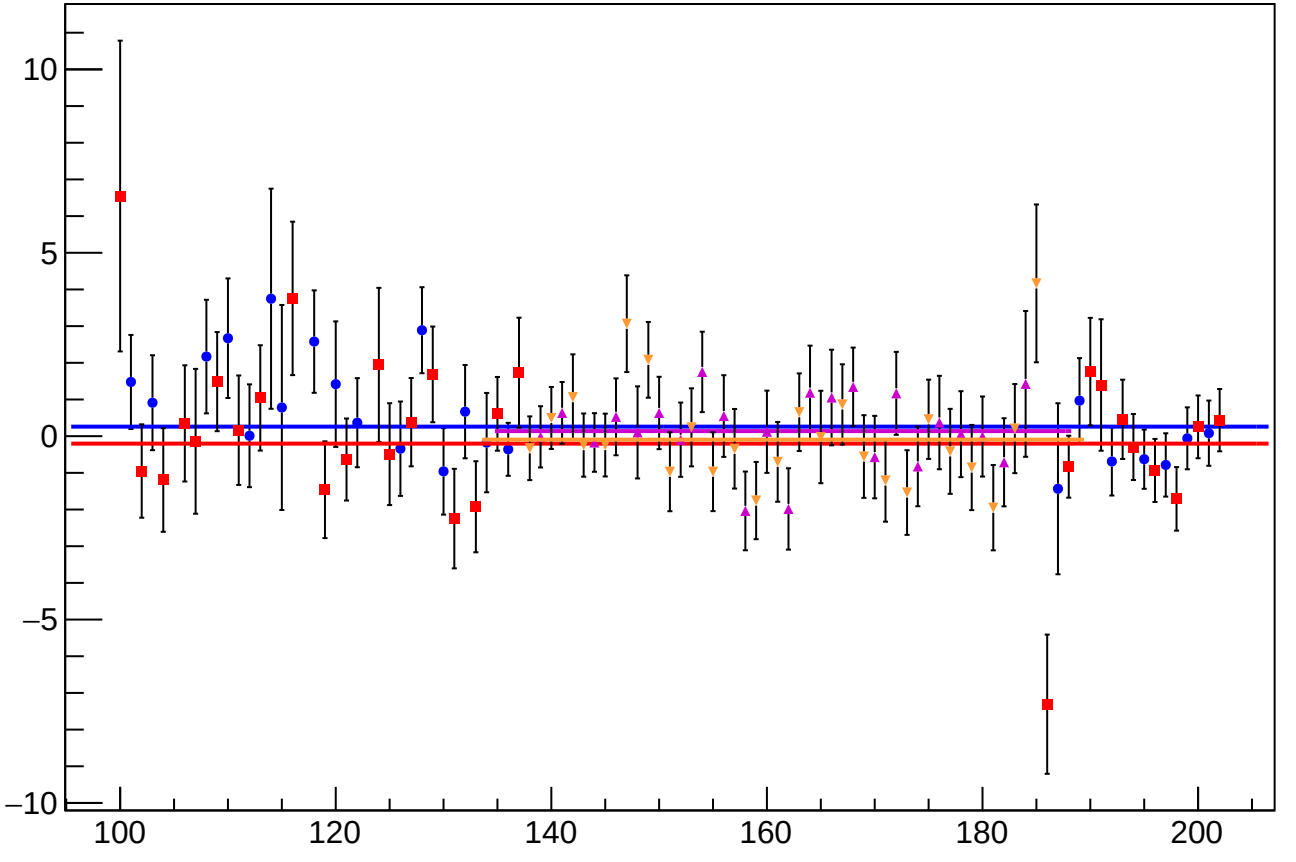
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6653.093+/-0.854 χ^2/NDF: 2061219.0/47

All: 6612.778+/-0.597 χ^2/NDF: 5062798.3/99

- sign 6574.229+/-0.835 χ^2/NDF: 2997221.6/51

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.260+/-0.242 χ^2/NDF: 21.6/22

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.203+/-0.226 χ^2/NDF: 42.6/28

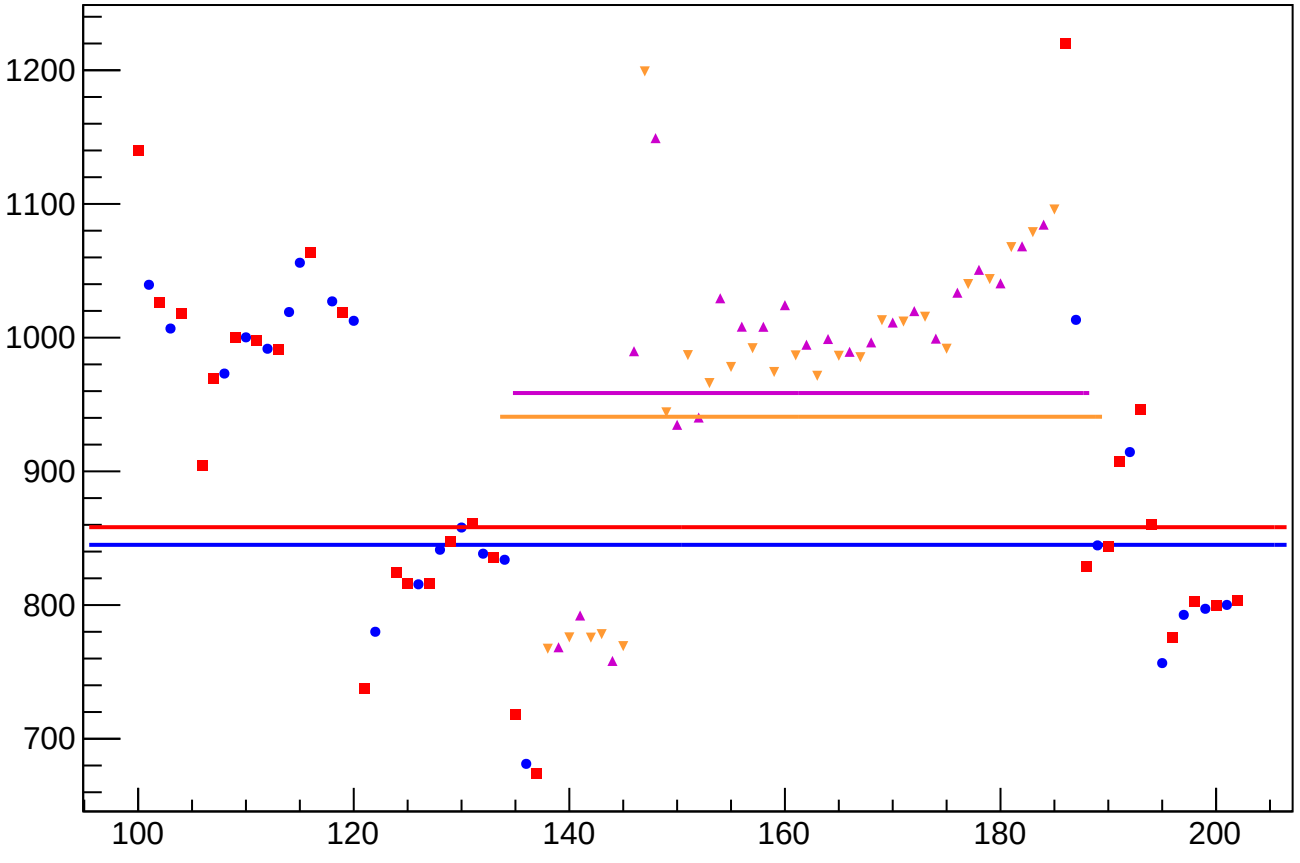
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.062+/-0.161 χ^2/NDF: 50.1/47

All: 0.015+/-0.113 χ^2/NDF: 110.5/99

- sign -0.032+/-0.160 χ^2/NDF: 60.2/51

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 845.039+/-0.171 χ^2/NDF: 377016.7/22

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 858.248+/-0.160 χ^2/NDF: 414901.7/28

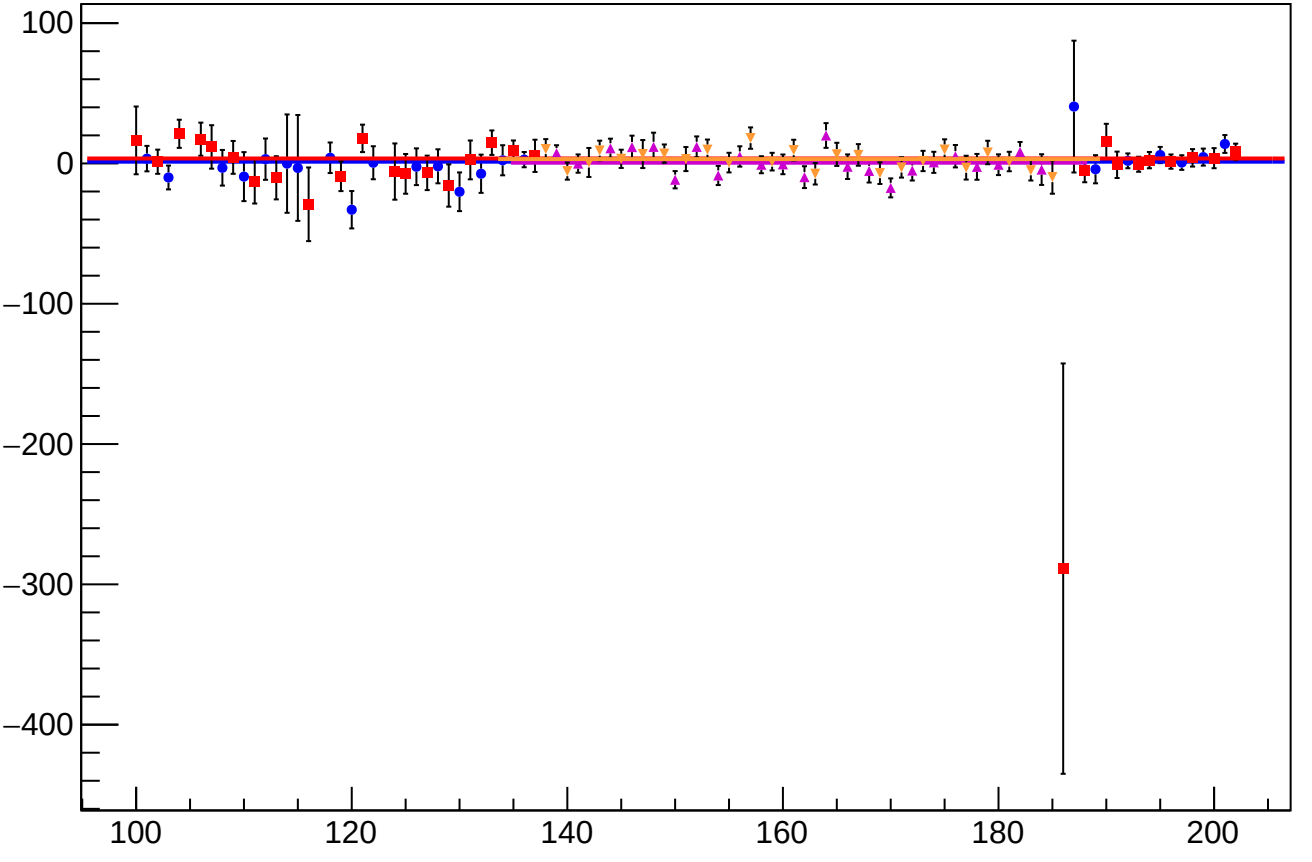
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 898.542+/-0.114 χ^2/NDF: 1120532.5/47

All: 903.611+/-0.080 χ^2/NDF: 2193696.8/99

- sign 908.599+/-0.113 χ^2/NDF: 1069227.9/51

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.254+/-1.846 χ^2/NDF: 18.0/22

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 3.536+/-1.697 χ^2/NDF: 25.2/28

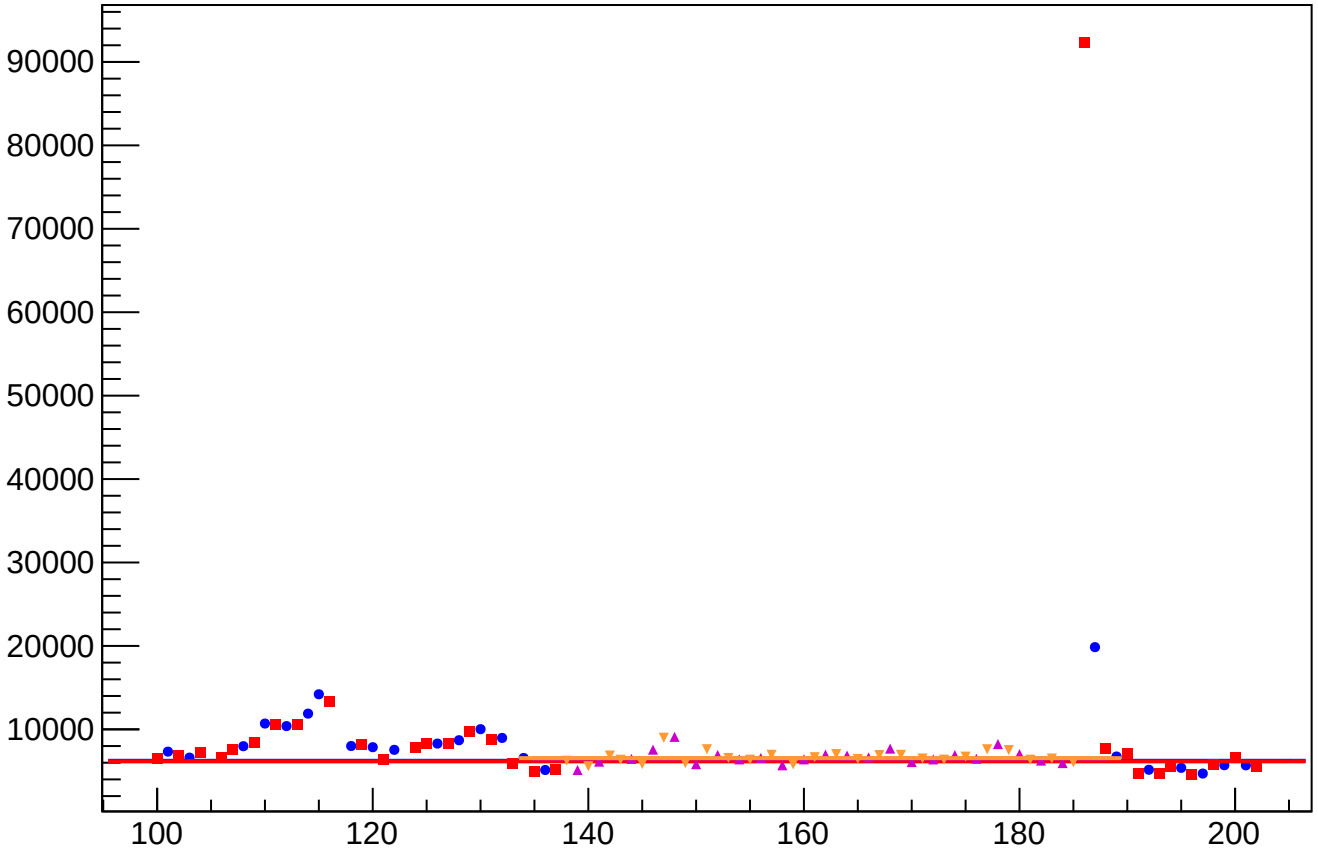
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 2.365+/-1.164 χ^2/NDF: 37.2/47

All: 2.115+/-0.814 χ^2/NDF: 96.3/99

- sign 1.876+/-1.138 χ^2/NDF: 59.0/51

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6229.465+/-1.305 χ^2/NDF: 1560171.0/22

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6162.693+/-1.200 χ^2/NDF: 2292909.0/28

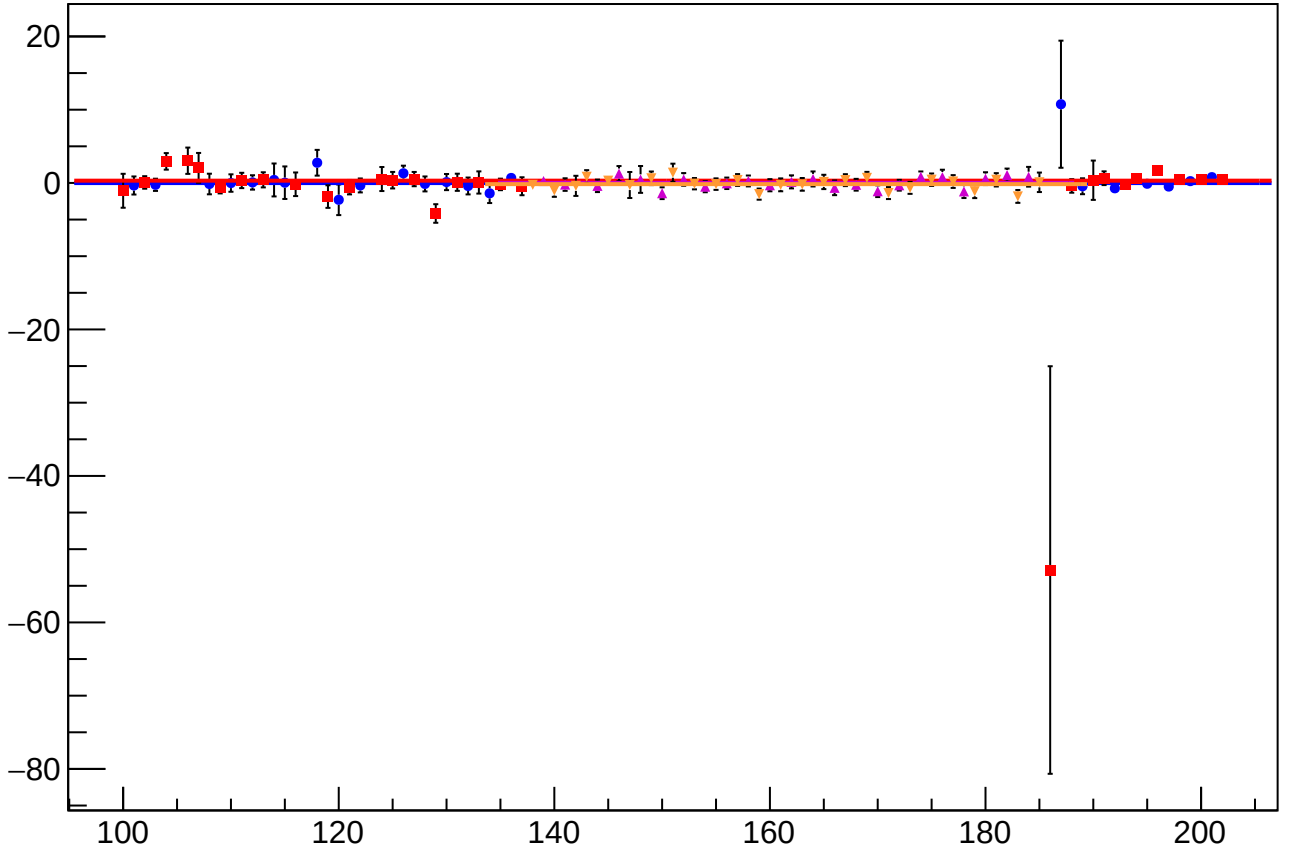
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6421.806+/-0.823 χ^2/NDF: 1962318.7/47

All: 6385.620+/-0.576 χ^2/NDF: 4819277.5/99

- sign 6351.019+/-0.805 χ^2/NDF: 2853178.6/51

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.018+/-0.184 χ^2/NDF: 14.4/22

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.311+/-0.170 χ^2/NDF: 37.9/28

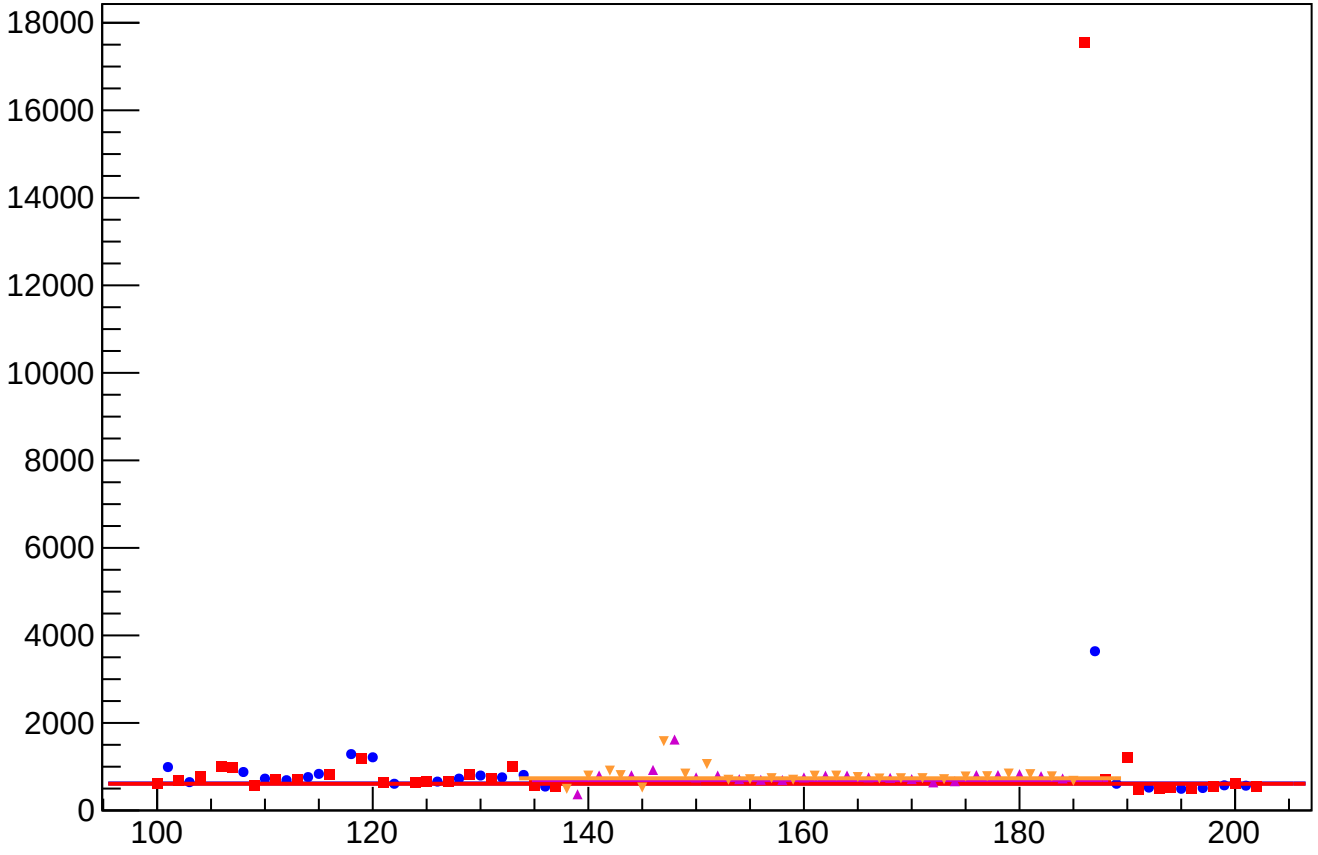
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.095+/-0.126 χ^2/NDF: 33.7/47

All: 0.041+/-0.087 χ^2/NDF: 90.6/99

- sign 0.164+/-0.120 χ^2/NDF: 54.6/51

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 617.048+/-0.130 χ^2/NDF: 1449396.5/22

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 609.903+/-0.120 χ^2/NDF: 1961805.0/28

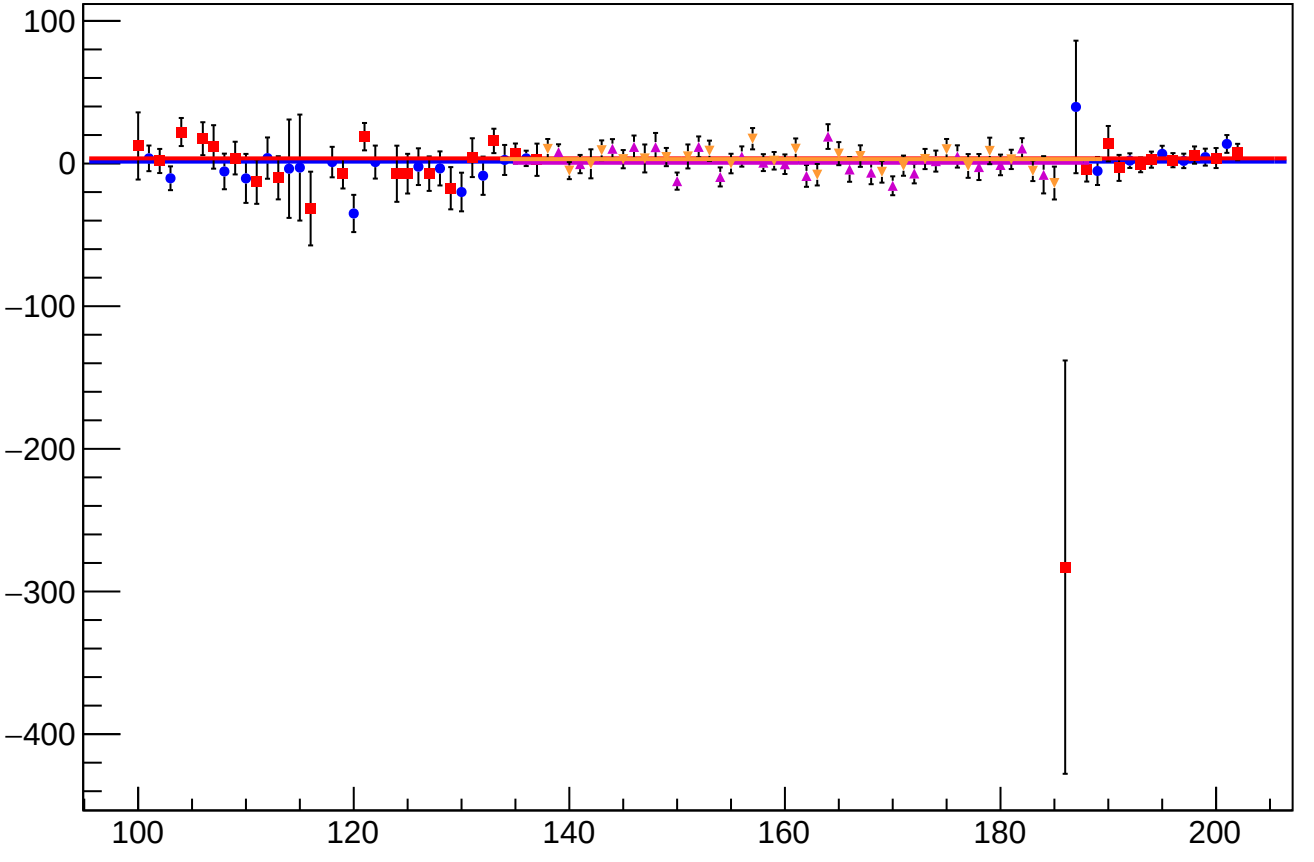
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 679.848+/-0.089 χ^2/NDF: 3228141.0/47

All: 665.342+/-0.061 χ^2/NDF: 7713493.3/99

- sign 652.158+/-0.085 χ^2/NDF: 4434427.4/51

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.353+/-1.809 χ^2/NDF: 20.4/22

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 3.632+/-1.662 χ^2/NDF: 26.4/28

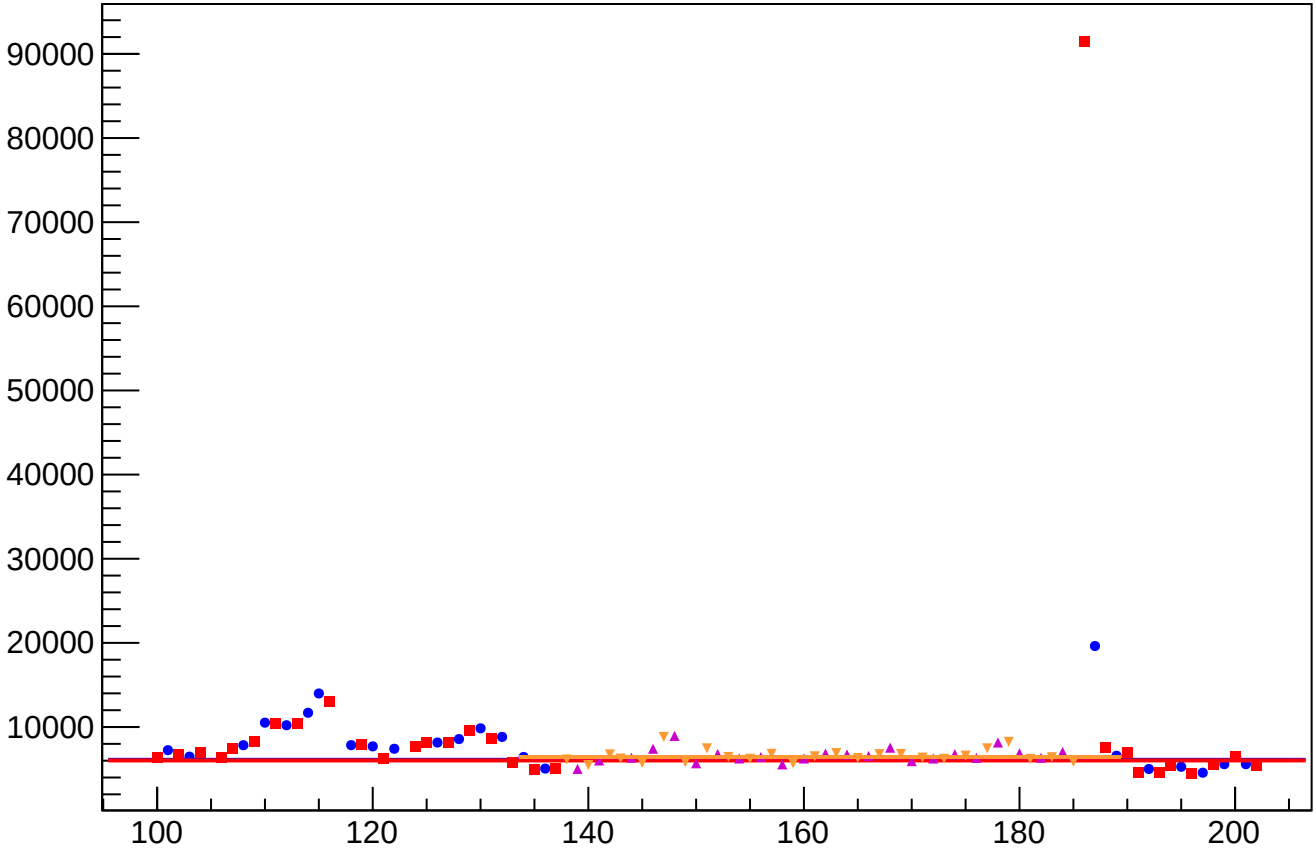
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.408+/-1.144 χ^2/NDF: 39.7/47

All: 2.172+/-0.800 χ^2/NDF: 101.6/99

- sign 1.946+/-1.119 χ^2/NDF: 61.8/51

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6100.326+/-1.279 χ^2/NDF: 1587786.1/22

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6030.619+/-1.175 χ^2/NDF: 2314513.2/28

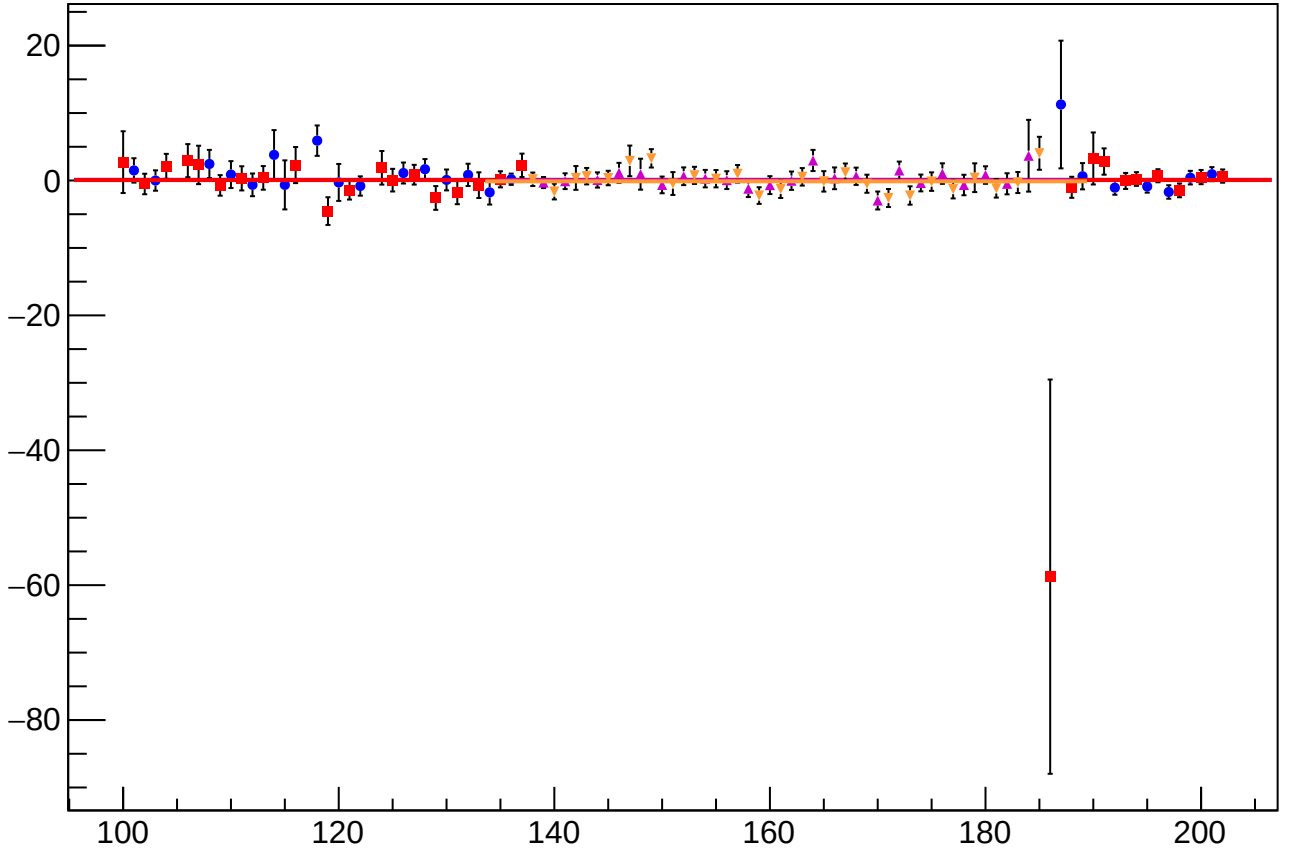
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6301.454+/-0.809 χ^2/NDF: 2046279.0/47

All: 6267.783+/-0.566 χ^2/NDF: 4944831.1/99

- sign 6235.573+/-0.791 χ^2/NDF: 2895160.8/51

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.098+/-0.299 χ^2/NDF: 21.0/22

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.063+/-0.285 χ^2/NDF: 27.4/28

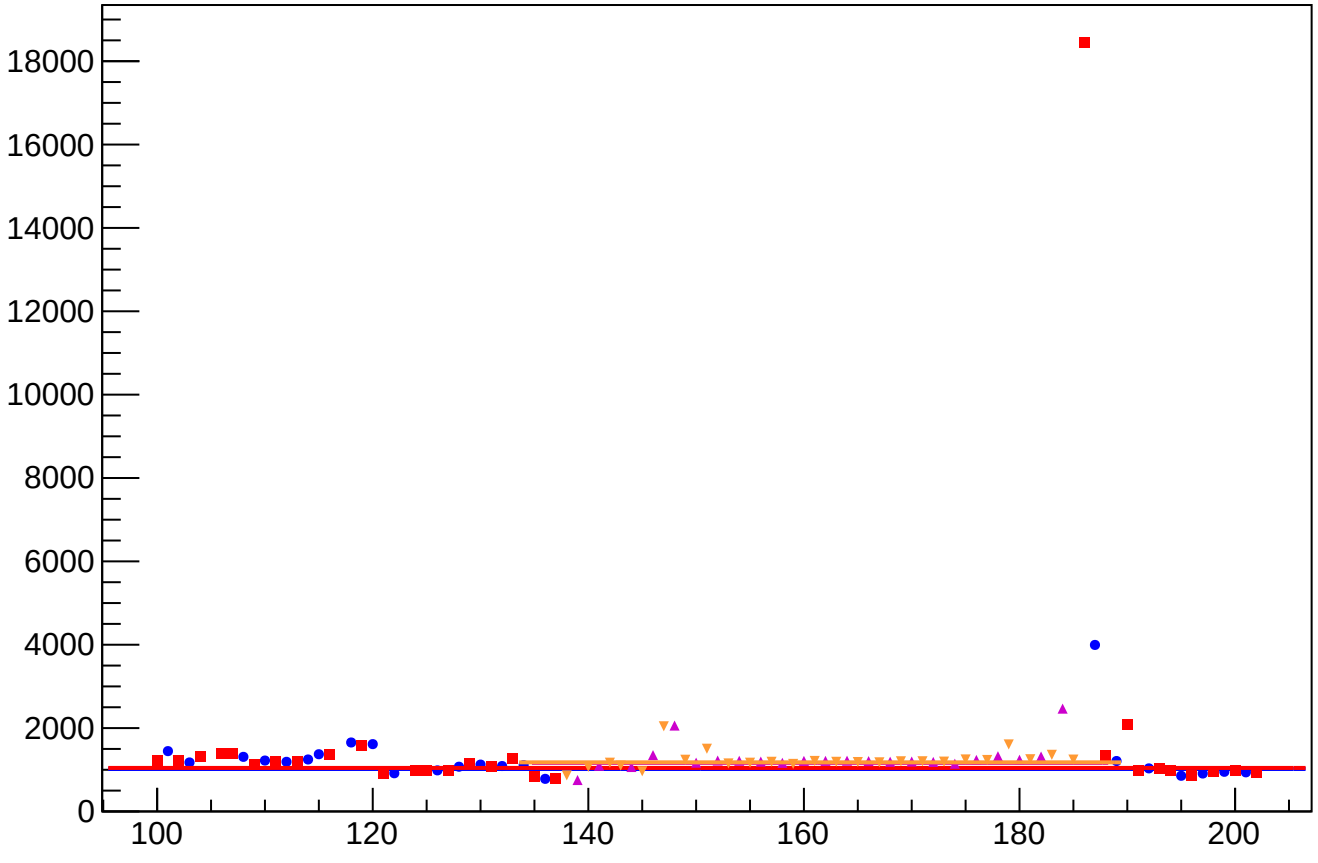
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.022+/-0.202 χ^2/NDF: 48.2/47

All: 0.012+/-0.142 χ^2/NDF: 90.1/99

- sign 0.045+/-0.199 χ^2/NDF: 41.8/51

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1019.019+/-0.211 χ^2/NDF: 1011530.6/22

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1044.253+/-0.201 χ^2/NDF: 1572299.3/28

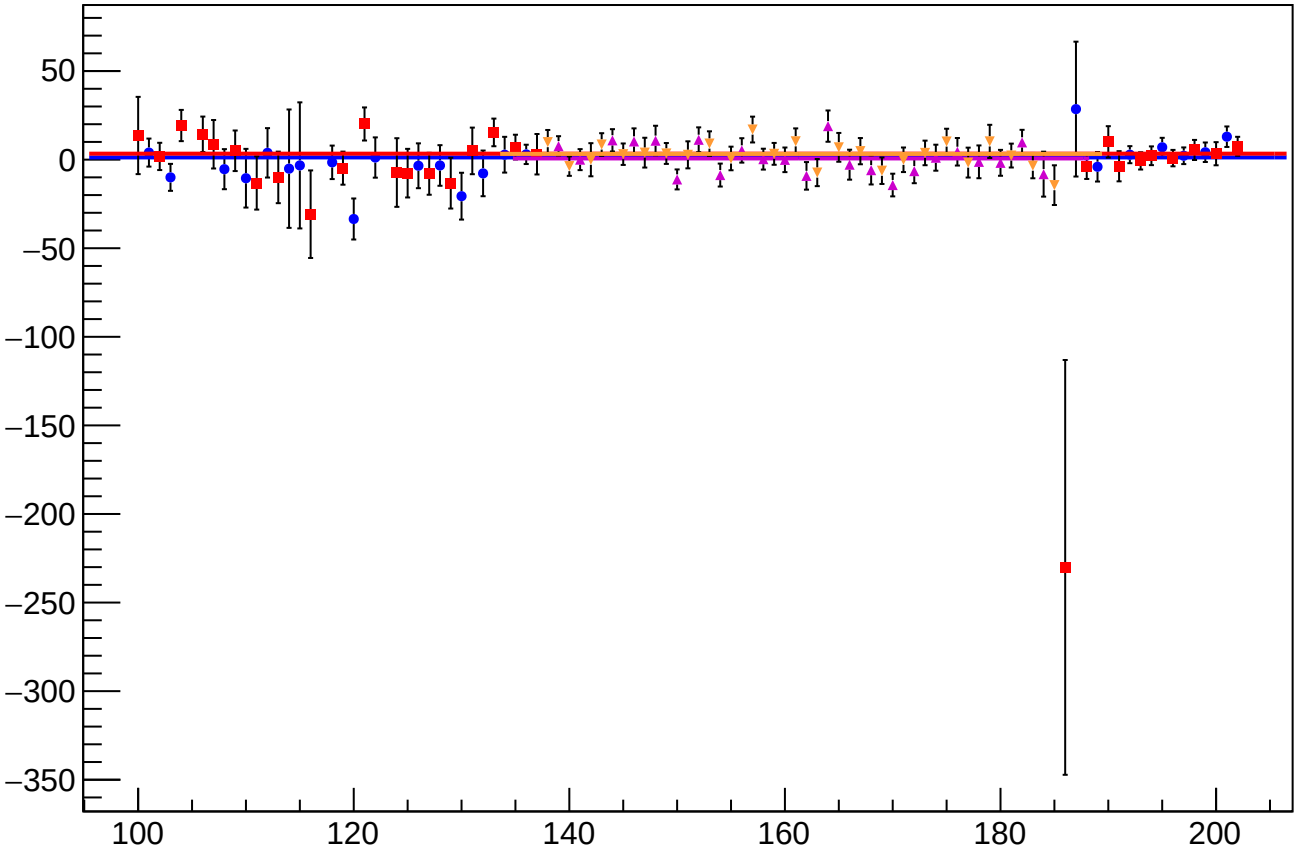
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1105.446+/-0.143 χ^2/NDF: 2119523.8/47

All: 1105.372+/-0.100 χ^2/NDF: 4924384.5/99

- sign 1105.301+/-0.141 χ^2/NDF: 2804860.2/51

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: 1.244+/-1.694 χ^2/NDF: 22.6/22

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 3.373+/-1.545 χ^2/NDF: 26.7/28

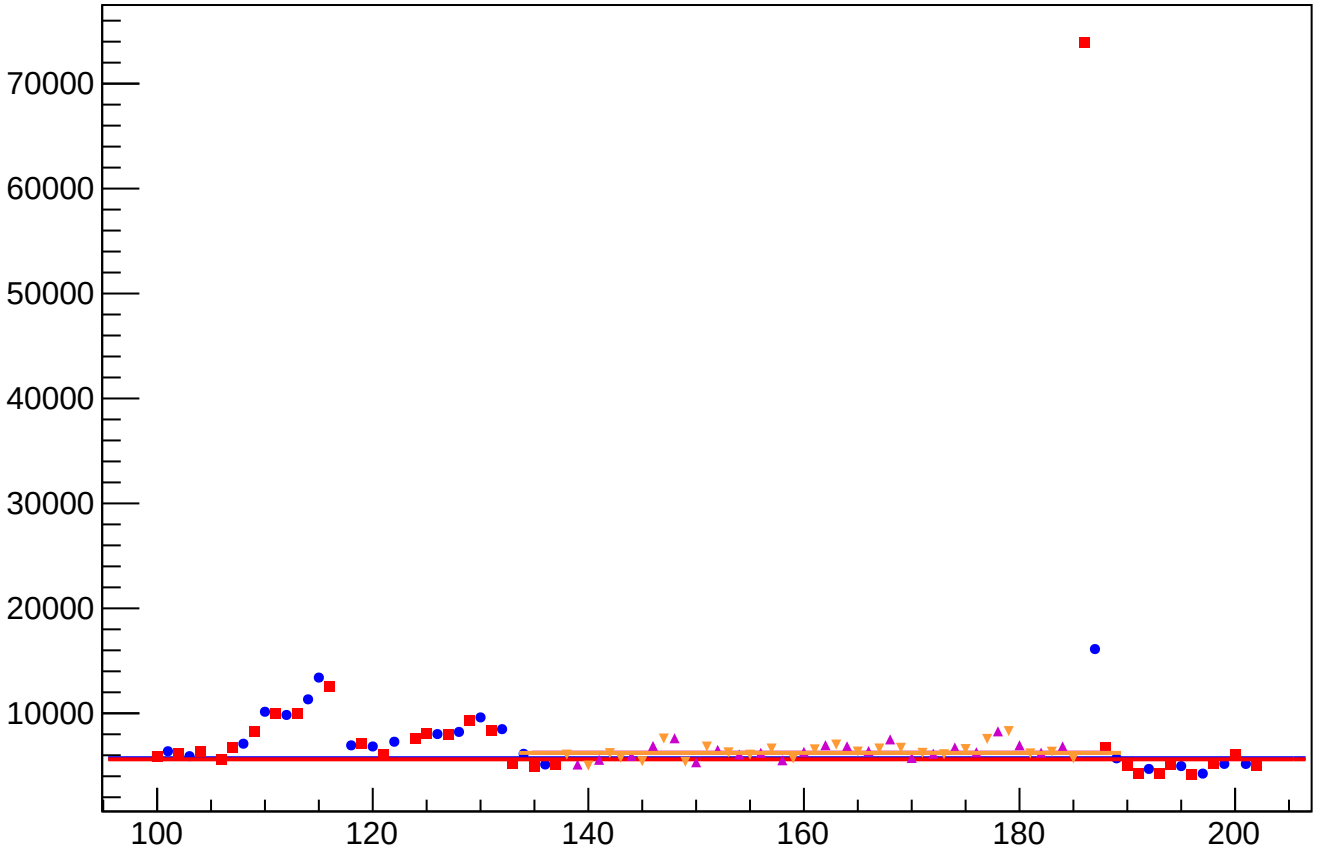
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.406+/-1.093 χ^2/NDF: 41.3/47

All: 2.176+/-0.763 χ^2/NDF: 102.0/99

- sign 1.956+/-1.066 χ^2/NDF: 60.7/51

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5719.924+/-1.198 χ^2/NDF: 1568155.1/22

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5614.926+/-1.093 χ^2/NDF: 2332947.7/28

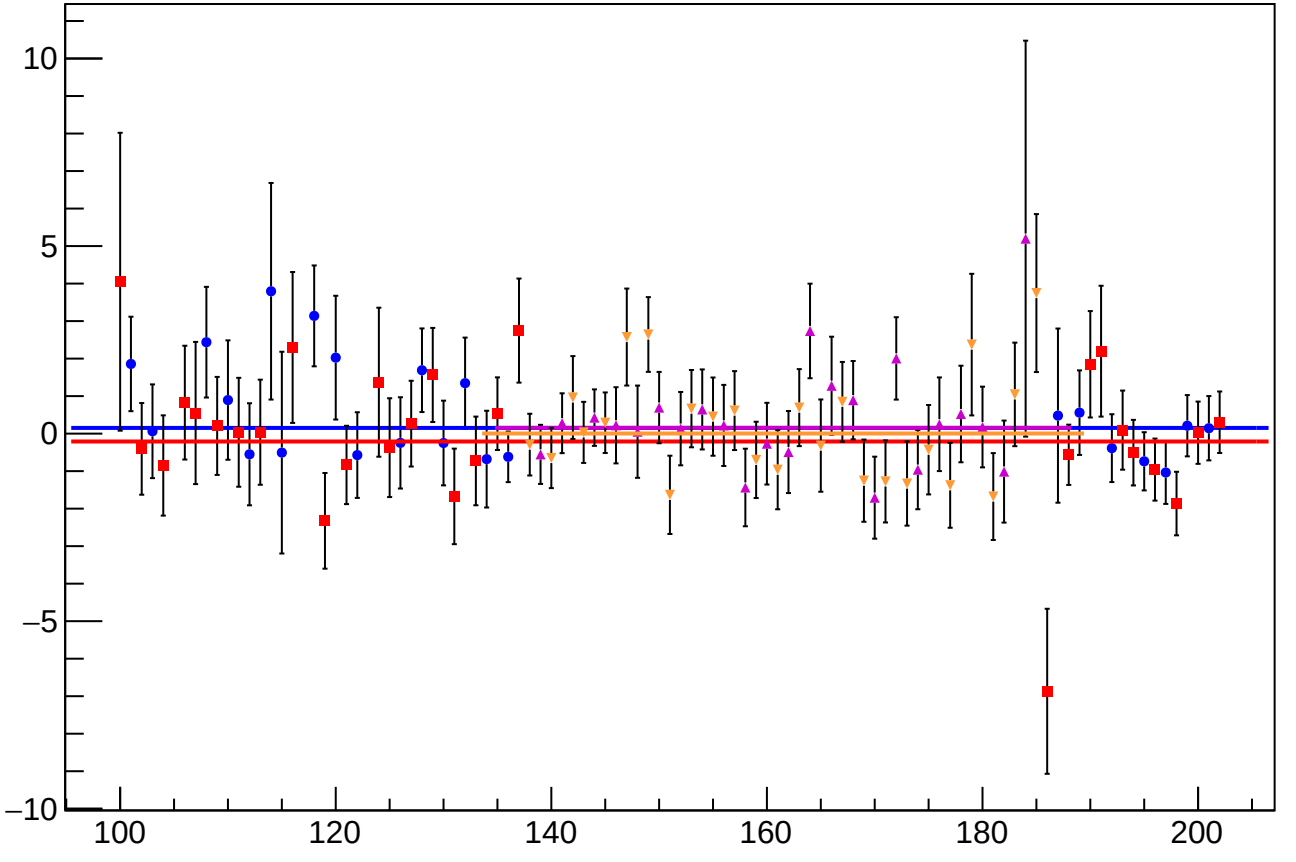
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6017.057+/-0.773 χ^2/NDF: 2144349.4/47

All: 5980.584+/-0.540 χ^2/NDF: 5141766.1/99

- sign 5945.833+/-0.754 χ^2/NDF: 2993064.1/51

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.152+/-0.233 χ^2/NDF: 21.7/22

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.210+/-0.218 χ^2/NDF: 35.0/28

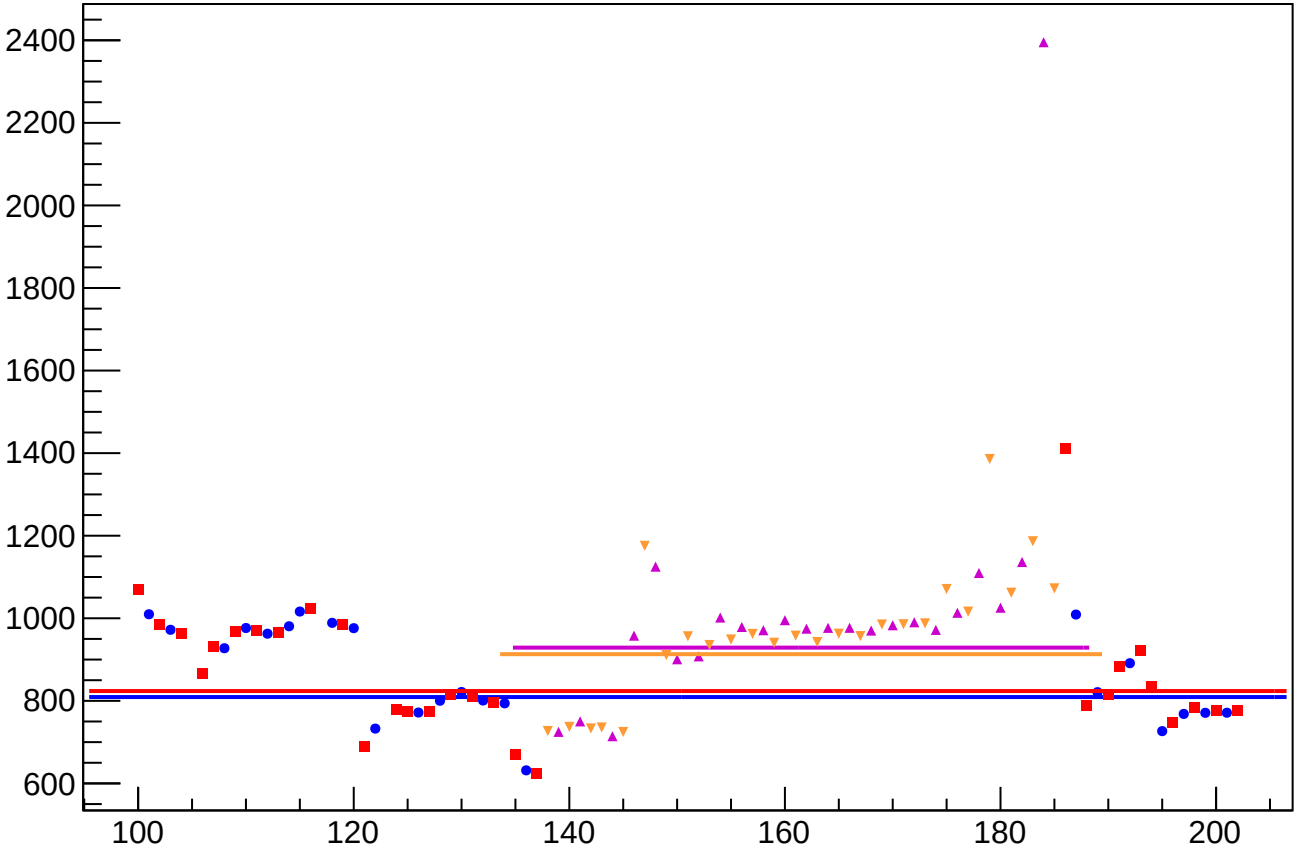
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.071+/-0.157 χ^2/NDF: 53.5/47

All: 0.020+/-0.110 χ^2/NDF: 108.5/99

- sign -0.031+/-0.155 χ^2/NDF: 54.8/51

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 809.193+/-0.164 χ^2/NDF: 437451.9/22

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

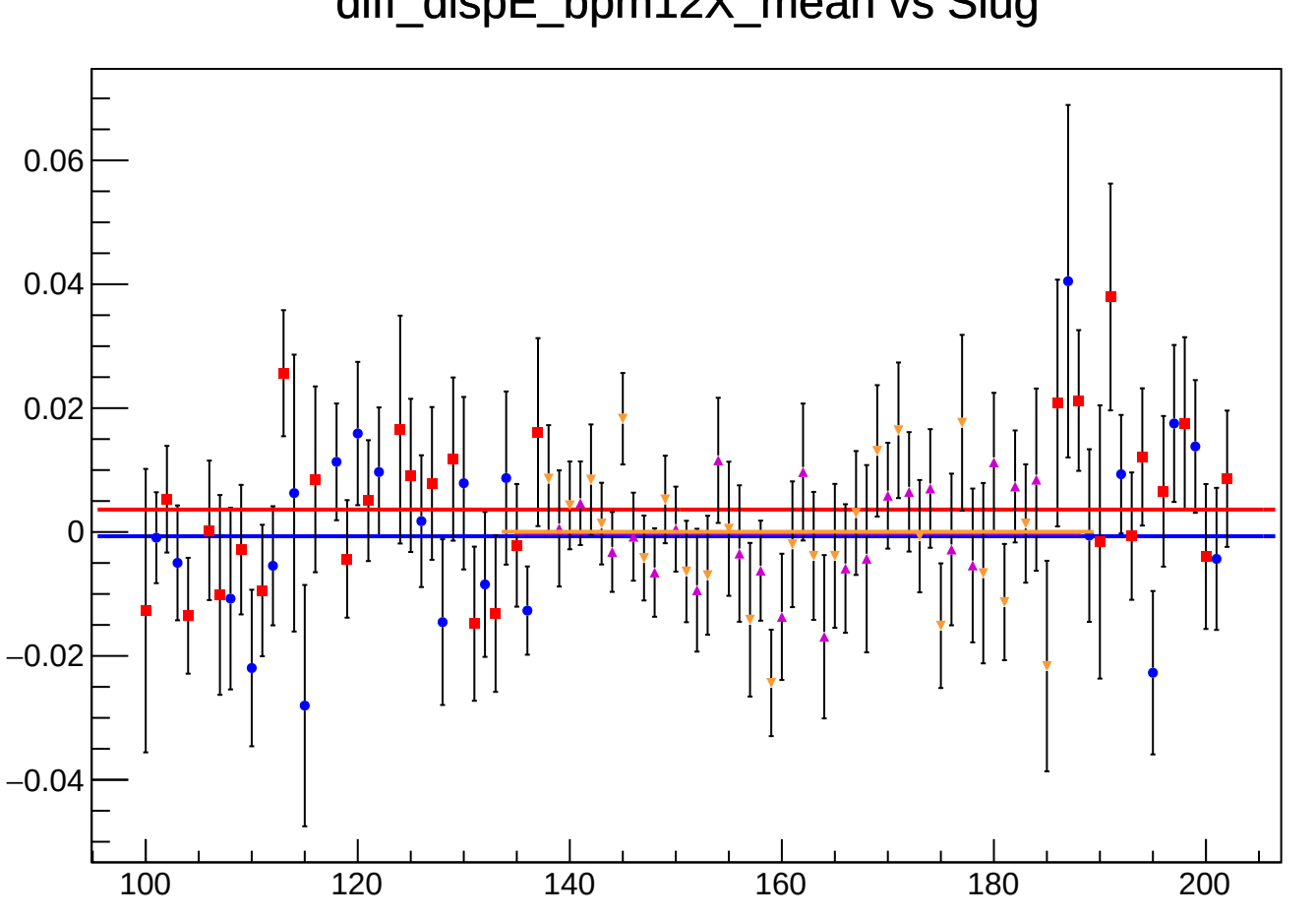
Right Out: 823.736+/-0.154 χ^2/NDF: 524701.2/28

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

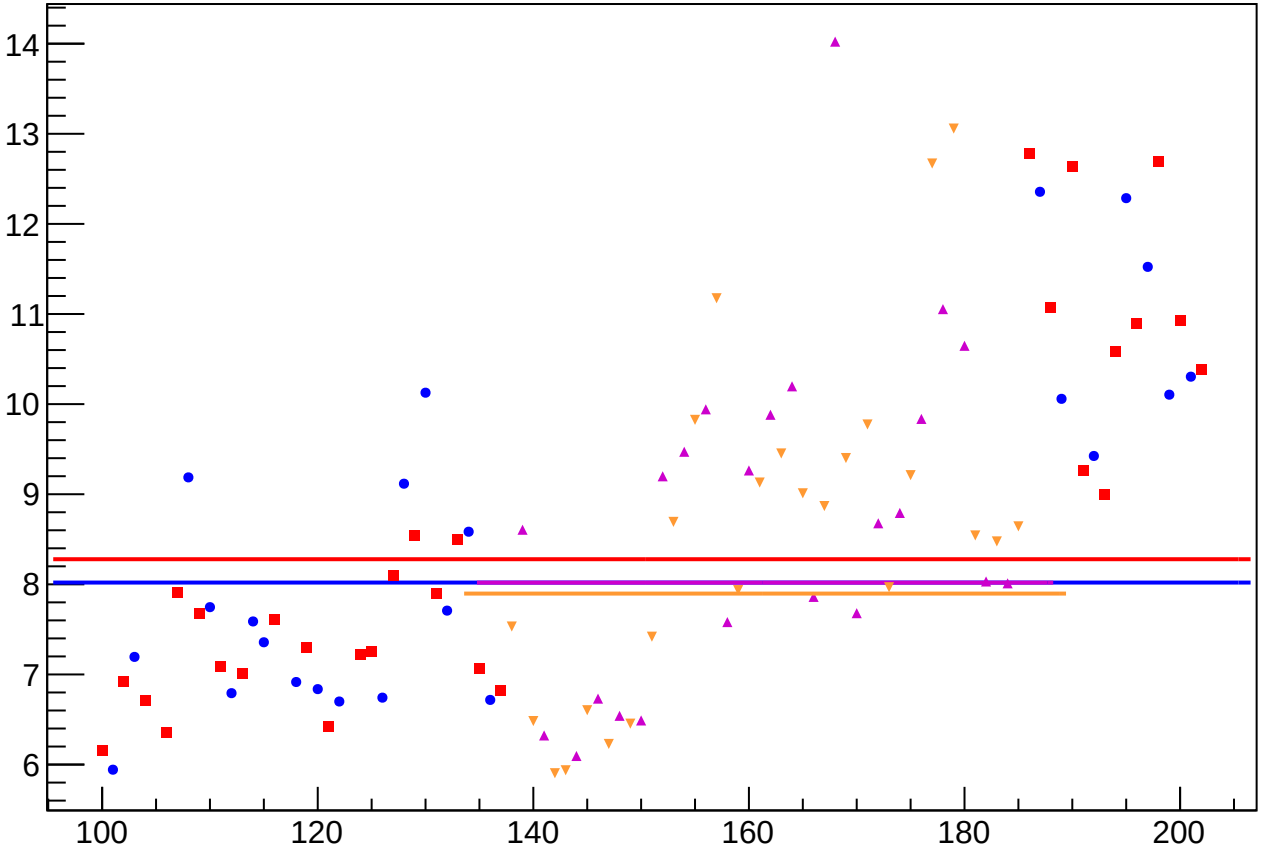
+ sign 865.933+/-0.111 χ^2/NDF: 1544705.1/47

All: 870.777+/-0.078 χ^2/NDF: 3072036.6/99

- sign 875.529+/-0.110 χ^2/NDF: 1523541.4/51


diff_dispE_bpm12X_mean vs Slug
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: -0.001+/-0.002 χ²/NDF: 25.7/22
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: 0.004+/-0.002 χ²/NDF: 27.5/28
Left In: -0.000+/-0.002 χ²/NDF:12.8/22
+ sign -0.000+/-0.001 χ²/NDF: 56.9/47
All: 0.001+/-0.001 χ²/NDF: 99.5/99
- sign 0.001+/-0.001 χ²/NDF: 41.9/51

diff_dispE_bpm12X_rms vs Slug



Right In: 8.020+/-0.002 χ^2/NDF: 1115144.4/22

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

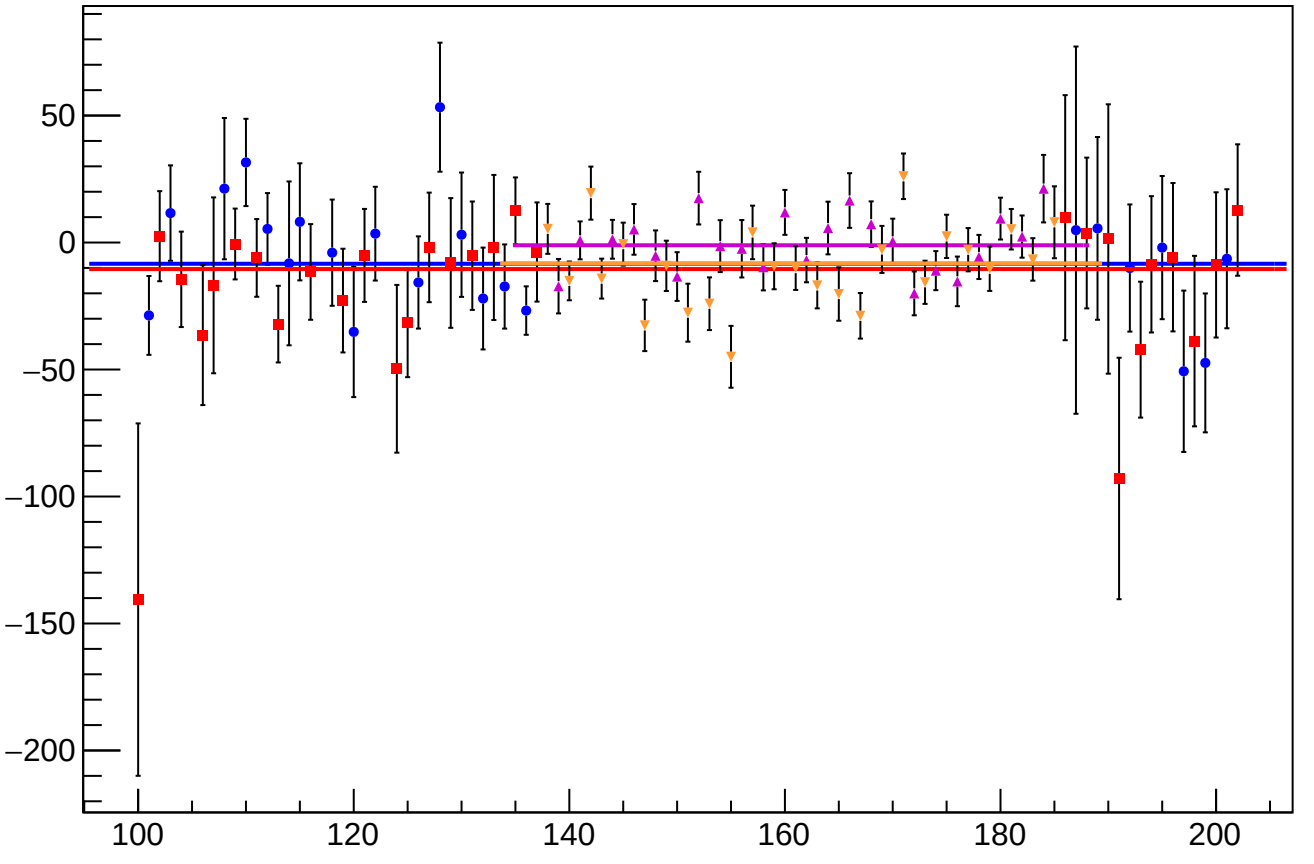
Right Out: 8.279+/-0.002 χ^2/NDF: 1287423.9/28

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.944+/-0.001 χ^2/NDF: 2709376.2/47

All: 8.037+/-0.001 χ^2/NDF: 5484512.1/99

- sign 8.130+/-0.001 χ^2/NDF: 2758819.4/51



Right In: -8.359+/-4.184 χ^2/NDF: 27.2/22

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

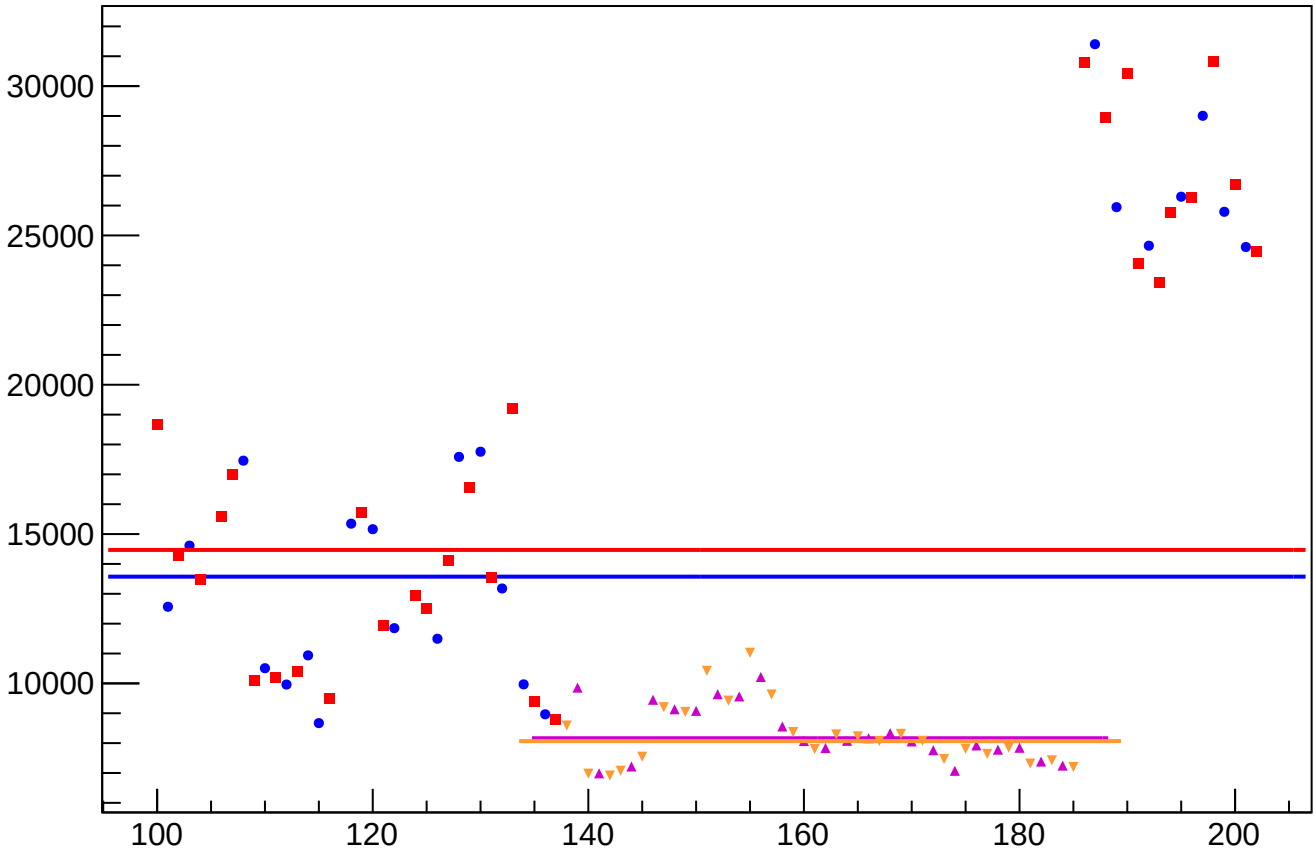
Right Out: -10.447+/-4.119 χ^2/NDF: 20.4/28

Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.273+/-1.692 χ^2/NDF: 89.4/47

All: -5.589+/-1.213 χ^2/NDF: 148.1/99

- sign -2.746+/-1.741 χ^2/NDF: 53.5/51



Right In: 13574.317+/-2.959 χ^2/NDF: 3442205.9/22

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

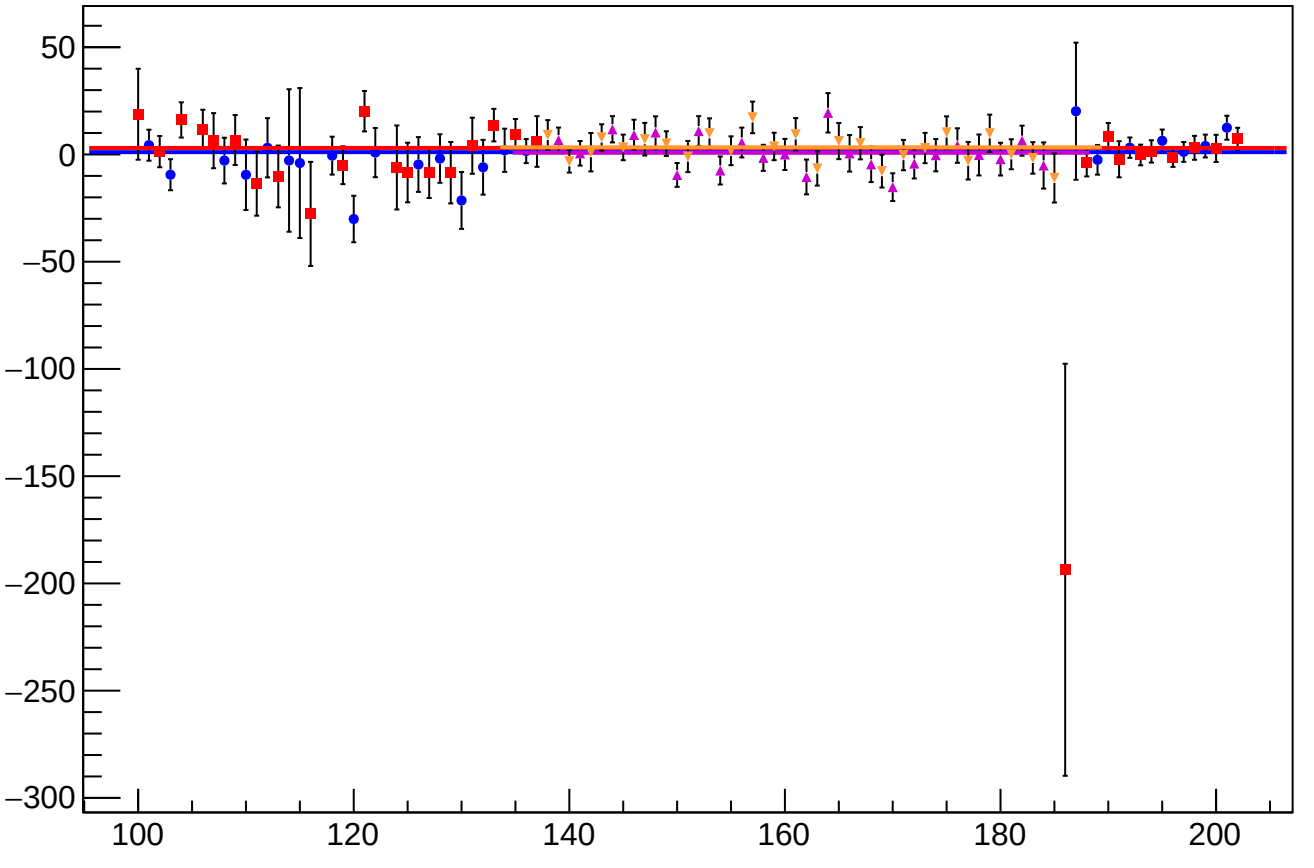
Right Out: 14469.228+/-2.913 χ^2/NDF: 4282650.8/28

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8966.863+/-1.196 χ^2/NDF: 6839269.2/47

All: 9123.618+/-0.858 χ^2/NDF: 15439059.3/9

- sign 9289.646+/-1.231 χ^2/NDF: 8564423.8/51



Right In: 1.071+/-1.642 χ^2/NDF: 21.0/22

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 3.033+/-1.484 χ^2/NDF: 26.0/28

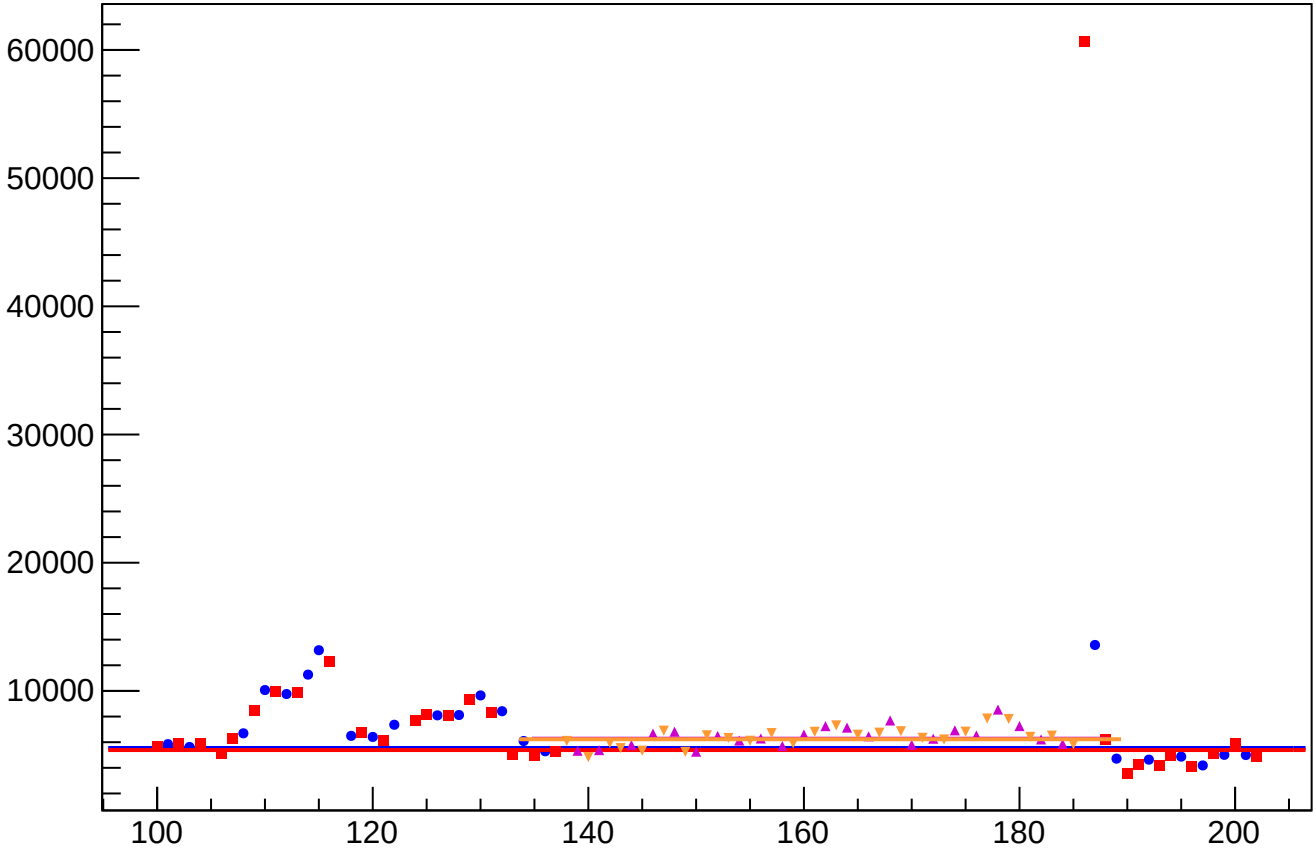
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 2.355+/-1.079 χ^2/NDF: 39.0/47

All: 2.127+/-0.751 χ^2/NDF: 95.6/99

- sign 1.911+/-1.048 χ^2/NDF: 56.6/51

diff_targ_positionY_rms vs Slug



Right In: 5548.005+/-1.161 χ^2/NDF: 1563119.6/22

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

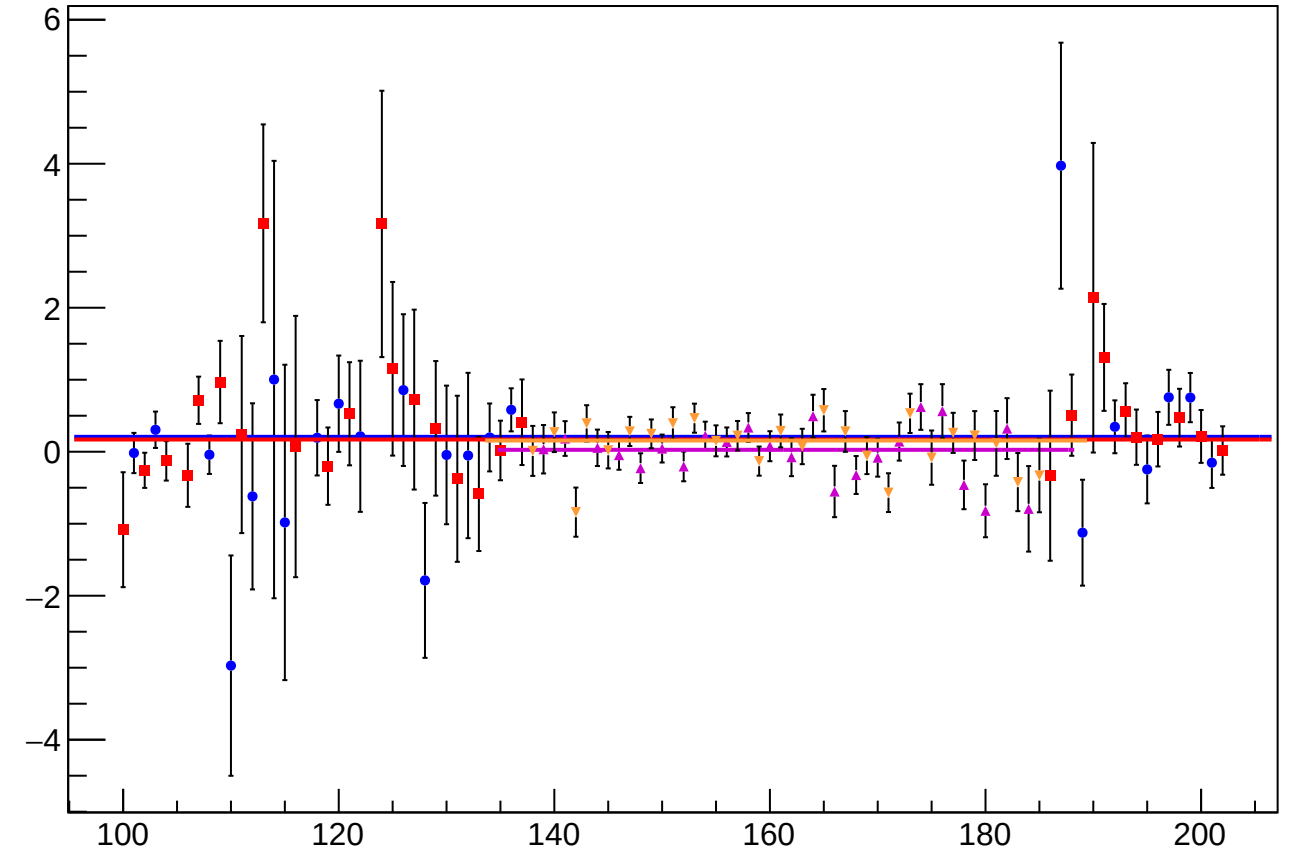
Right Out: 5388.317+/-1.049 χ^2/NDF: 2477040.7/28

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5936.297+/-0.763 χ^2/NDF: 2292348.3/47

All: 5882.223+/-0.531 χ^2/NDF: 5638766.5/99

- sign 5831.229+/-0.741 χ^2/NDF: 3336652.6/51



Right In: 0.207+/-0.096 χ^2/NDF: 27.6/22

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.170+/-0.092 χ^2/NDF: 28.7/28

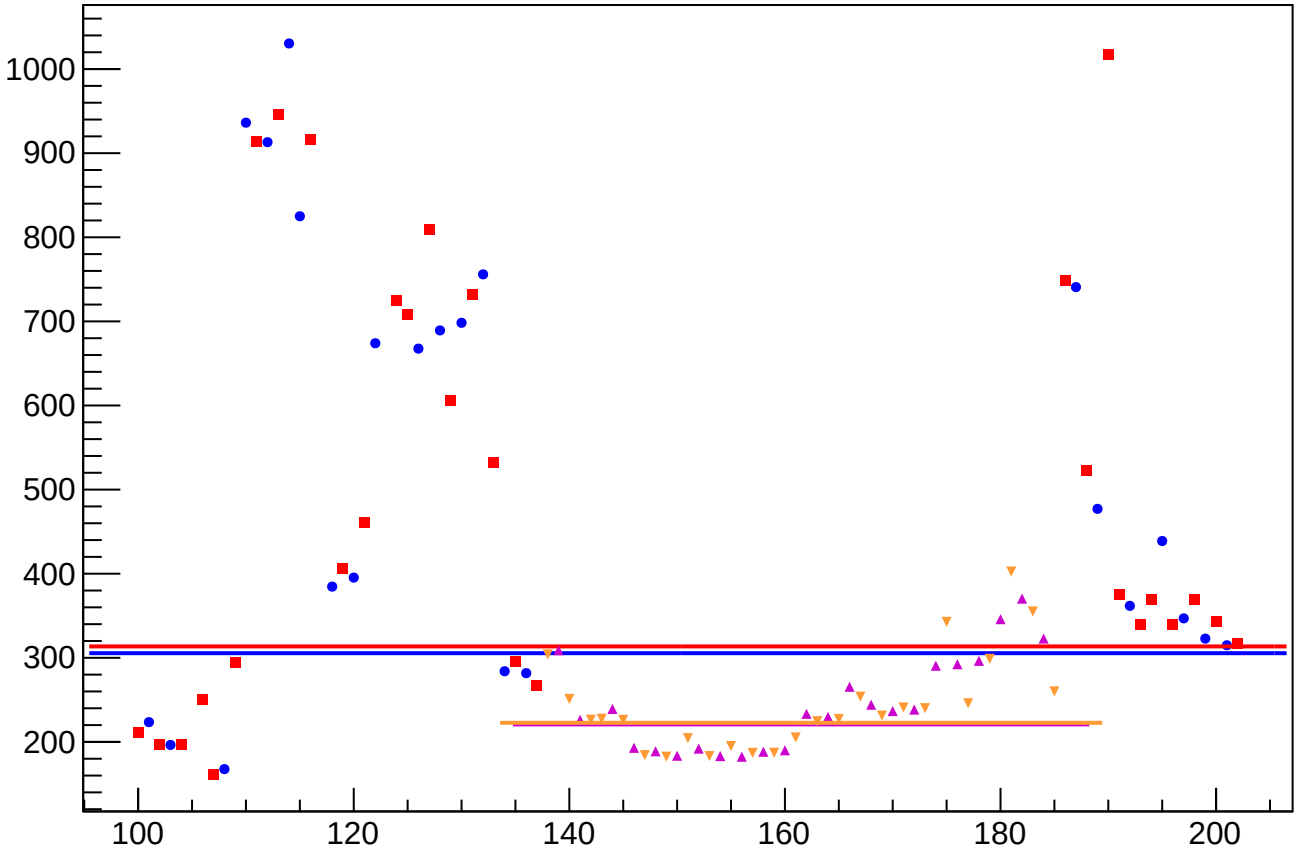
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.167+/-0.046 χ^2/NDF: 60.1/47

All: 0.115+/-0.032 χ^2/NDF: 123.0/99

- sign 0.062+/-0.046 χ^2/NDF: 60.3/51

diff_targ_thetaX_rms vs Slug



Right In: 305.497+/-0.068 χ^2/NDF: 4039767.4/22

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 313.543+/-0.065 χ^2/NDF: 4644490.8/28

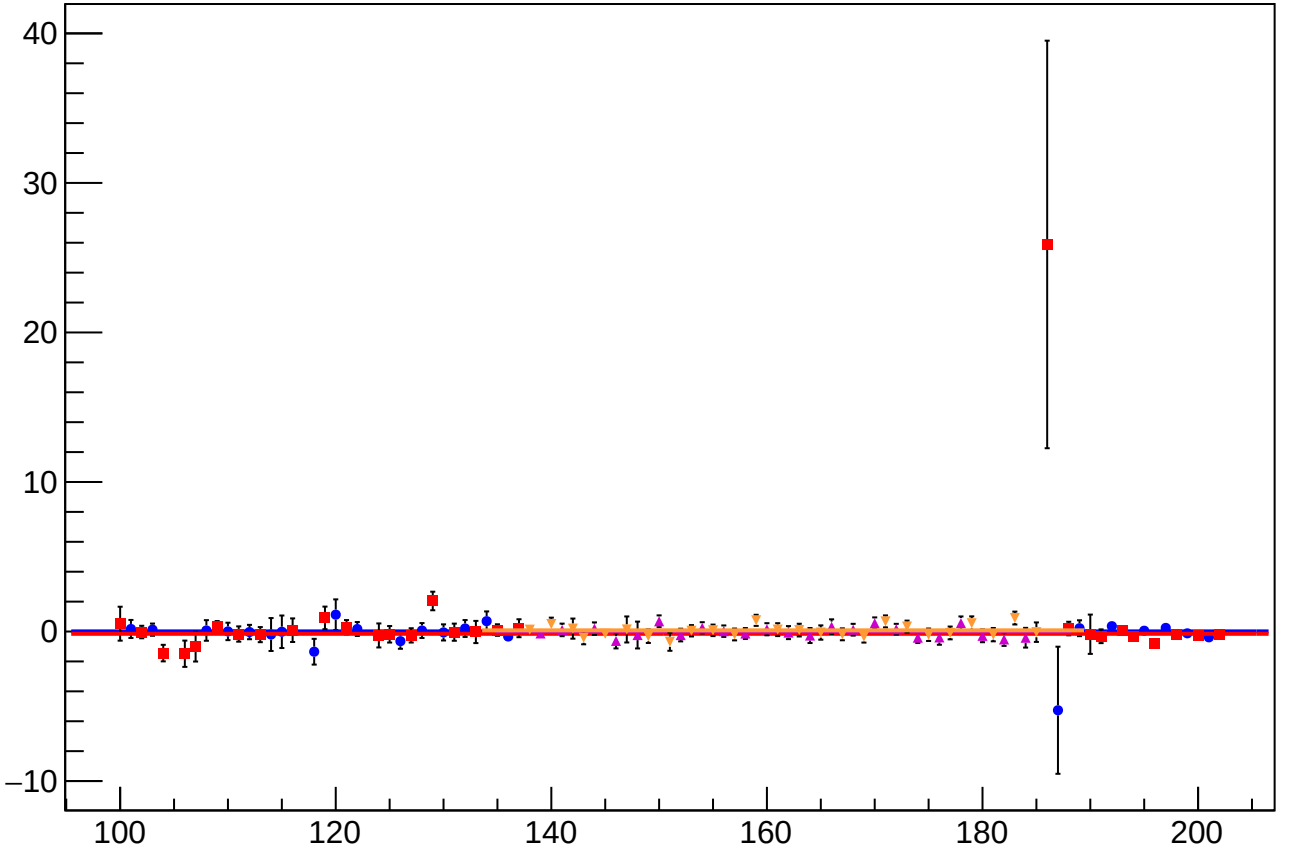
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 241.329+/-0.032 χ^2/NDF: 6633849.7/47

All: 242.635+/-0.023 χ^2/NDF: 14283542.2/99

- sign 243.952+/-0.032 χ^2/NDF: 7646410.3/51

diff_targ_thetaY_mean vs Slug



Right In: 0.009+/-0.090 χ^2/NDF: 14.4/22

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.152+/-0.083 χ^2/NDF: 37.9/28

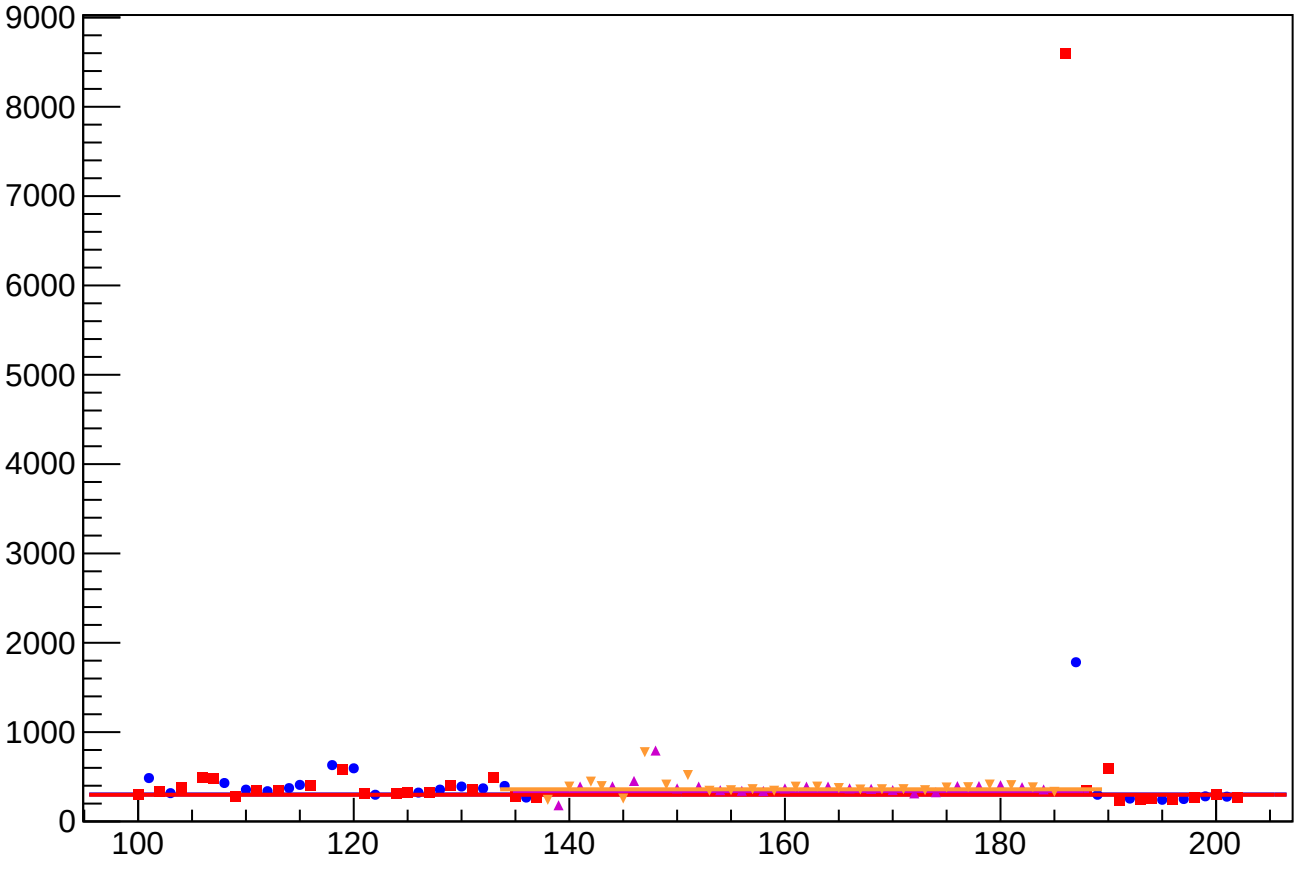
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.046+/-0.062 χ^2/NDF: 33.7/47

All: -0.020+/-0.042 χ^2/NDF: 90.6/99

- sign -0.080+/-0.059 χ^2/NDF: 54.6/51

diff_targ_thetaY_rms vs Slug



Right In: 302.252+/-0.064 χ^2/NDF: 1449396.5/22

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

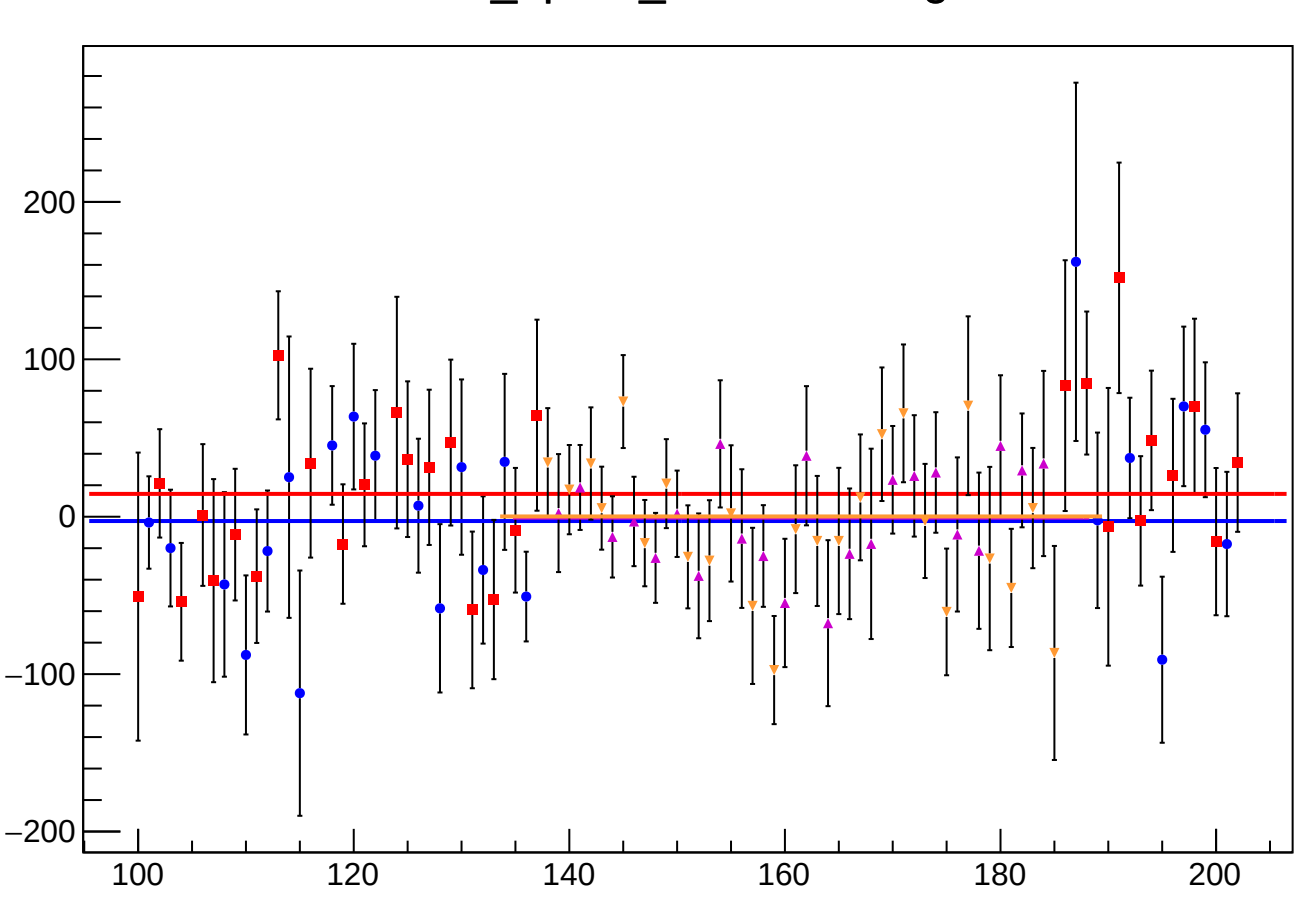
Right Out: 298.752+/-0.059 χ^2/NDF: 1961805.0/28

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 333.014+/-0.044 χ^2/NDF: 3228141.0/47

All: 325.908+/-0.030 χ^2/NDF: 7713493.3/99

- sign 319.450+/-0.041 χ^2/NDF: 4434427.4/51



Right In: -2.743+/-9.380 χ^2/NDF: 25.7/22

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

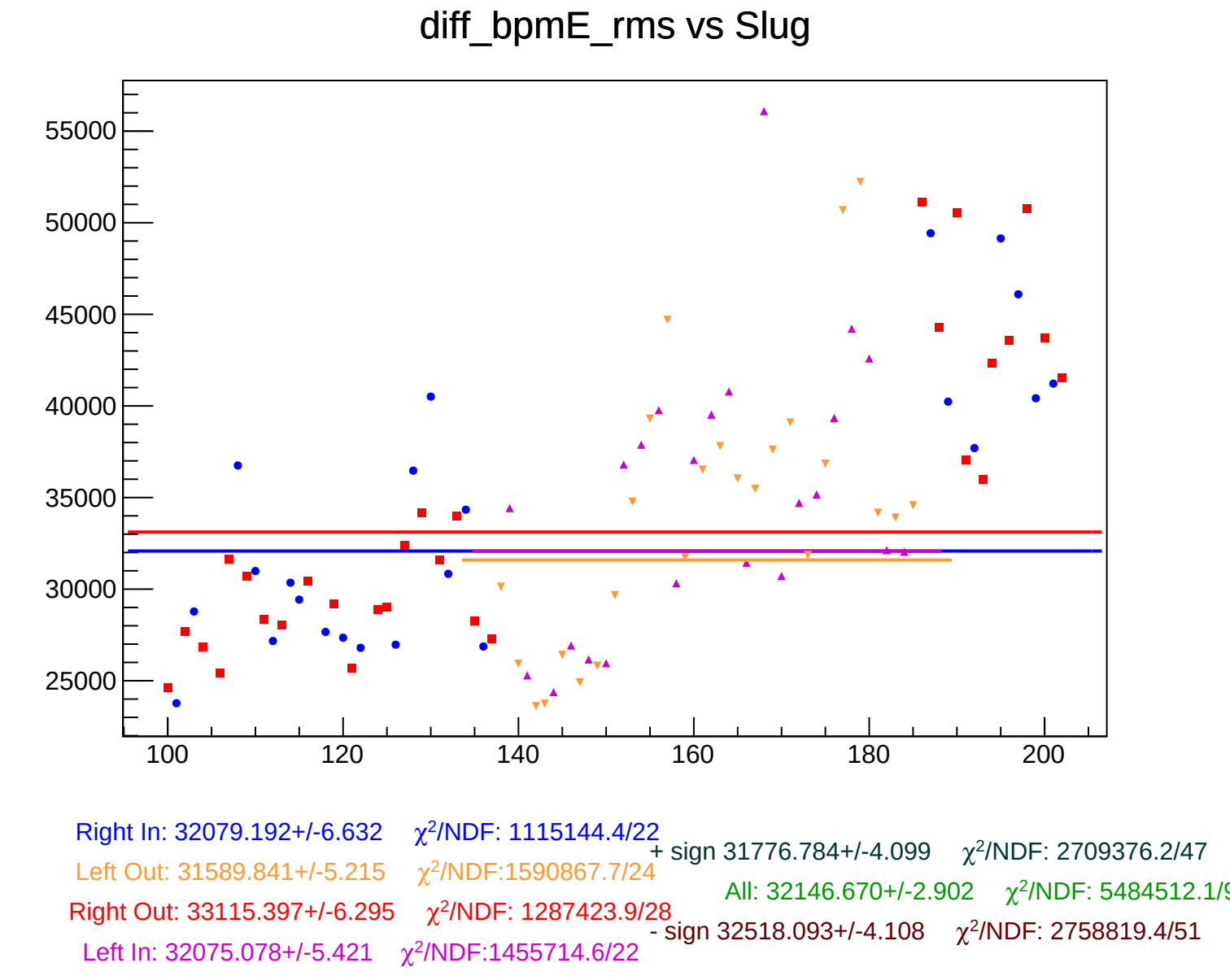
Right Out: 14.502+/-8.902 χ^2/NDF: 27.5/28

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

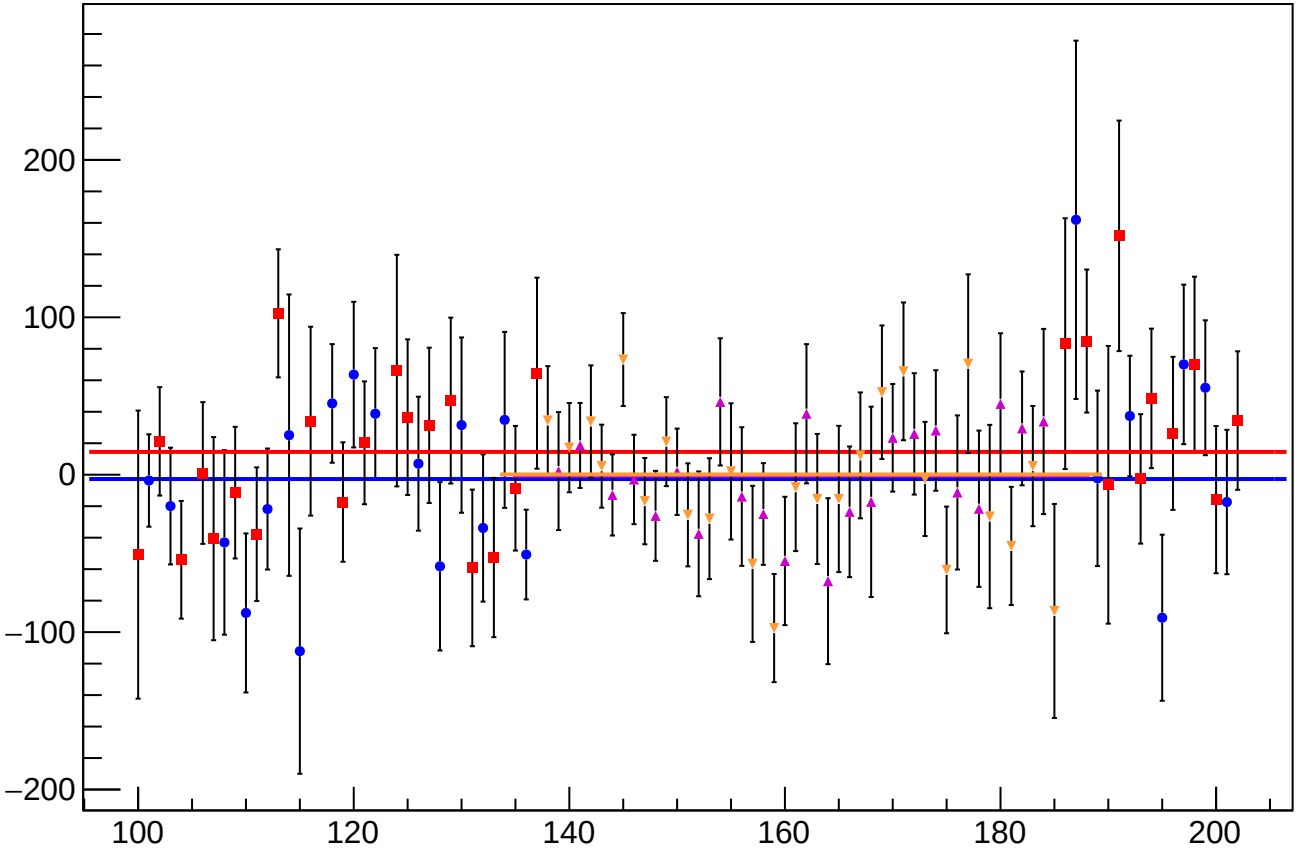
+ sign -0.944+/-5.797 χ^2/NDF: 56.9/47

All: 2.440+/-4.104 χ^2/NDF: 99.5/99

- sign 5.839+/-5.809 χ^2/NDF: 41.9/51


diff_bpmE_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32079.192+/-6.632 χ²/NDF: 1115144.4/22
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33115.397+/-6.295 χ²/NDF: 1287423.9/28
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31776.784+/-4.099 χ²/NDF: 2709376.2/47
All: 32146.670+/-2.902 χ²/NDF: 5484512.1/9
- sign 32518.093+/-4.108 χ²/NDF: 2758819.4/51

diff_bpmEX_mean vs Slug



Right In: -2.743+/-9.380 χ^2/NDF: 25.7/22

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

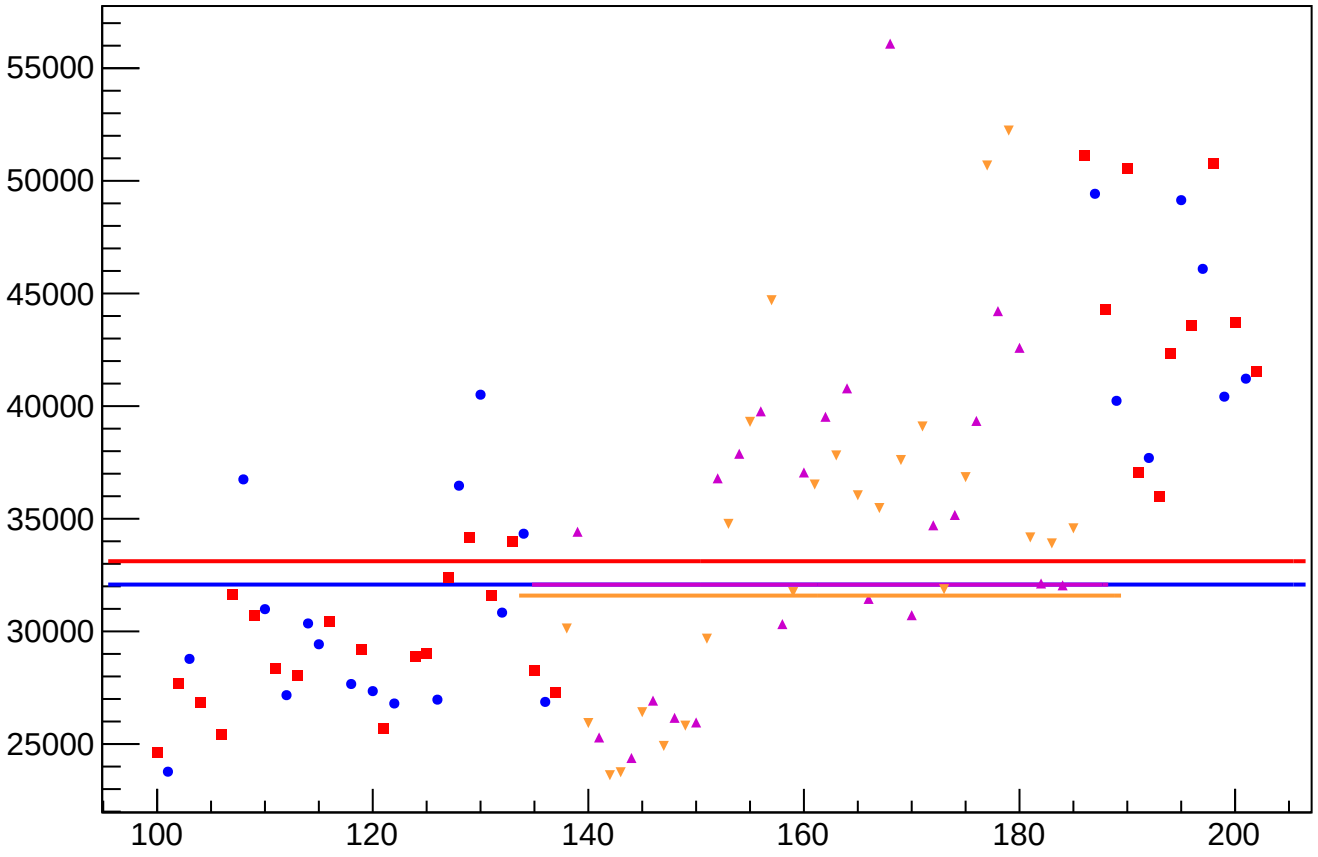
Right Out: 14.502+/-8.902 χ^2/NDF: 27.5/28

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -0.944+/-5.797 χ^2/NDF: 56.9/47

All: 2.440+/-4.104 χ^2/NDF: 99.5/99

- sign 5.839+/-5.809 χ^2/NDF: 41.9/51



Right In: 32079.192+/-6.632 χ^2/NDF: 1115144.4/22

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

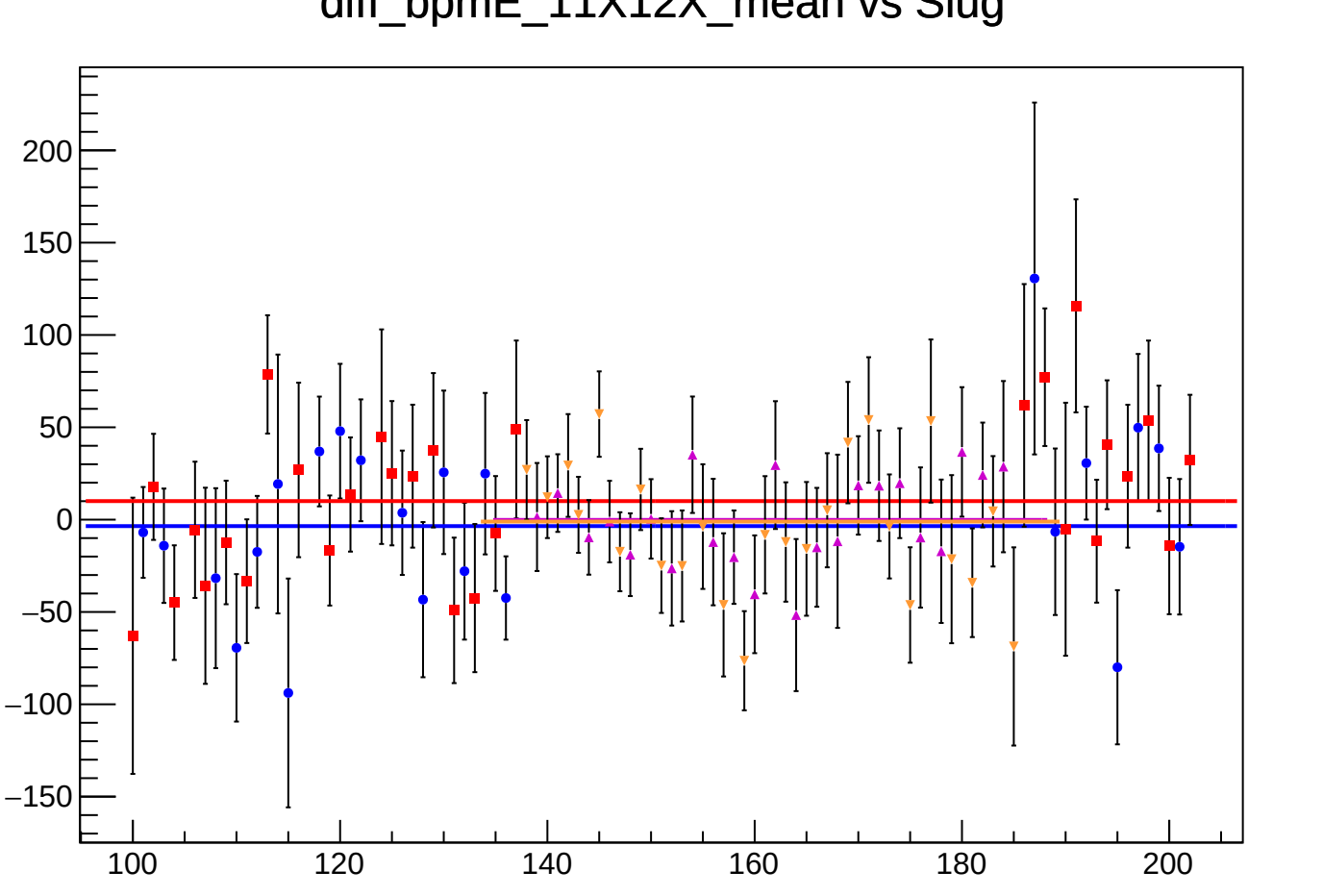
Right Out: 33115.397+/-6.295 χ^2/NDF: 1287423.9/28

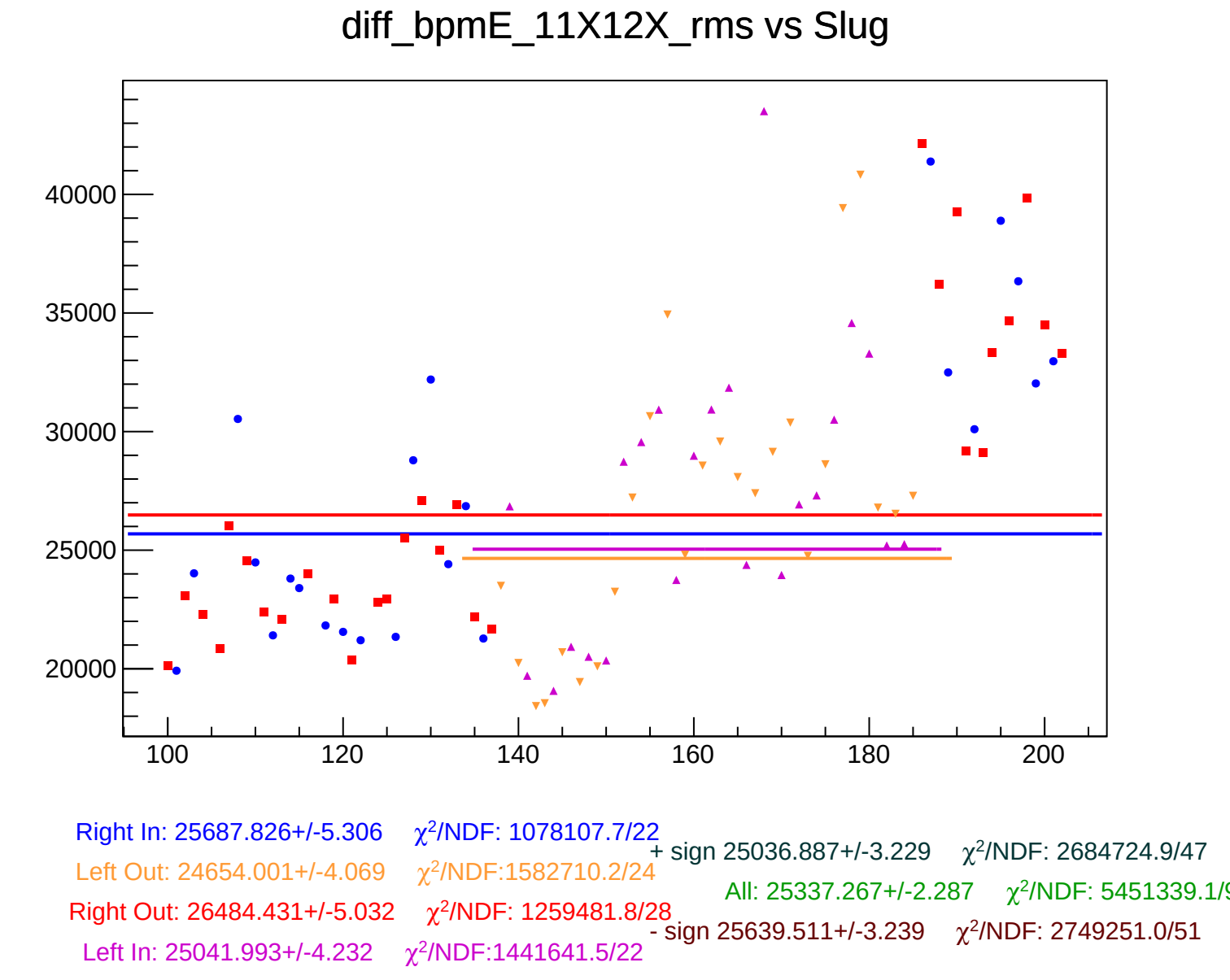
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

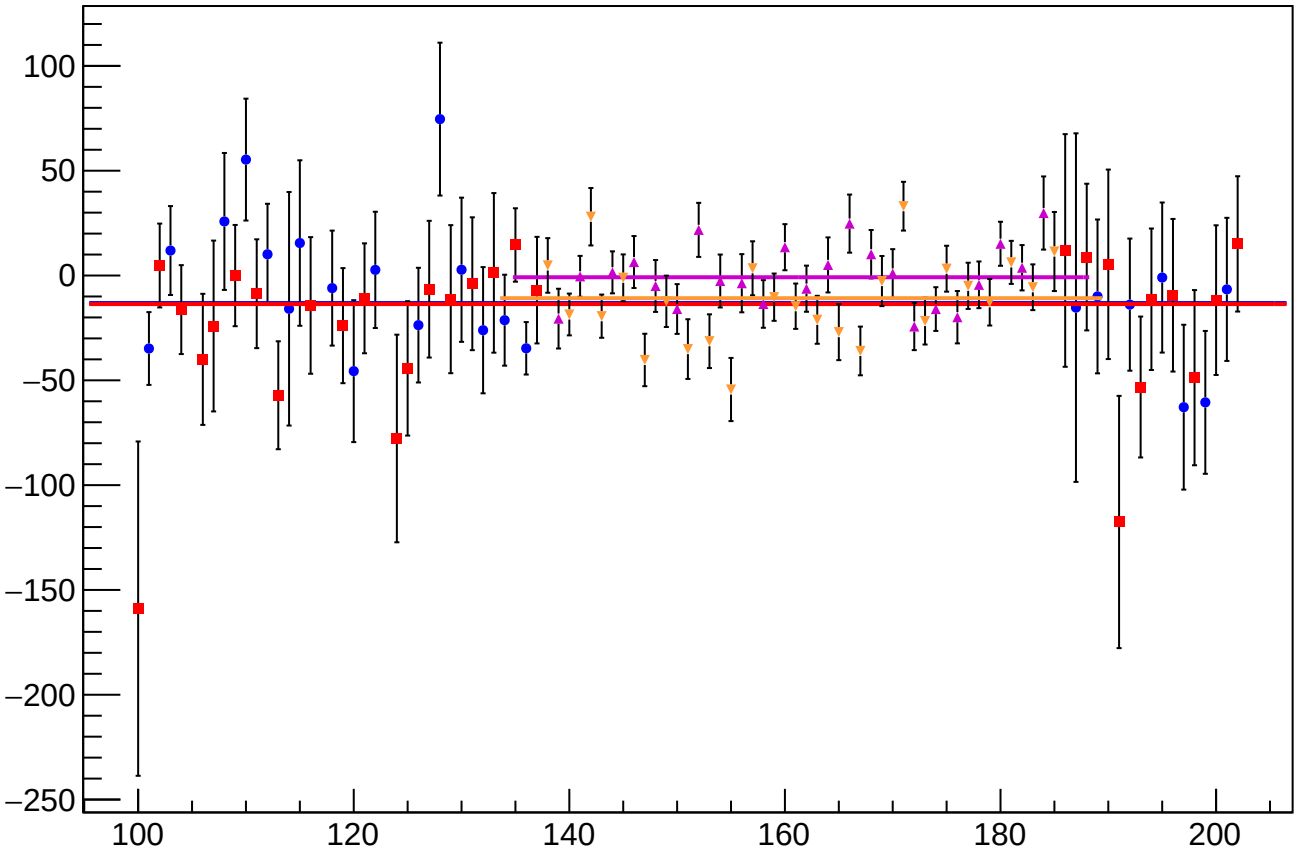
+ sign 31776.784+/-4.099 χ^2/NDF: 2709376.2/47

All: 32146.670+/-2.902 χ^2/NDF: 5484512.1/9

- sign 32518.093+/-4.108 χ^2/NDF: 2758819.4/51


diff_bpmE_11X12X_mean vs Slug
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -3.507+/-7.503 χ²/NDF: 25.9/22
Left Out: -1.042+/-5.755 χ²/NDF:32.3/24
Right Out: 10.040+/-7.117 χ²/NDF: 29.2/28
Left In: -0.147+/-5.985 χ²/NDF:12.1/22
+ sign -1.955+/-4.566 χ²/NDF: 58.3/47
All: 1.050+/-3.234 χ²/NDF: 101.6/99
- sign 4.073+/-4.580 χ²/NDF: 42.5/51


diff_bpmE_11X12X_rms vs Slug
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 25687.826+/-5.306 χ²/NDF: 1078107.7/22
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 26484.431+/-5.032 χ²/NDF: 1259481.8/28
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
+ sign 25036.887+/-3.229 χ²/NDF: 2684724.9/47
All: 25337.267+/-2.287 χ²/NDF: 5451339.1/
- sign 25639.511+/-3.239 χ²/NDF: 2749251.0/51



Right In: -13.143+/-5.640 χ^2/NDF: 25.8/22

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -13.628+/-5.653 χ^2/NDF: 20.6/28

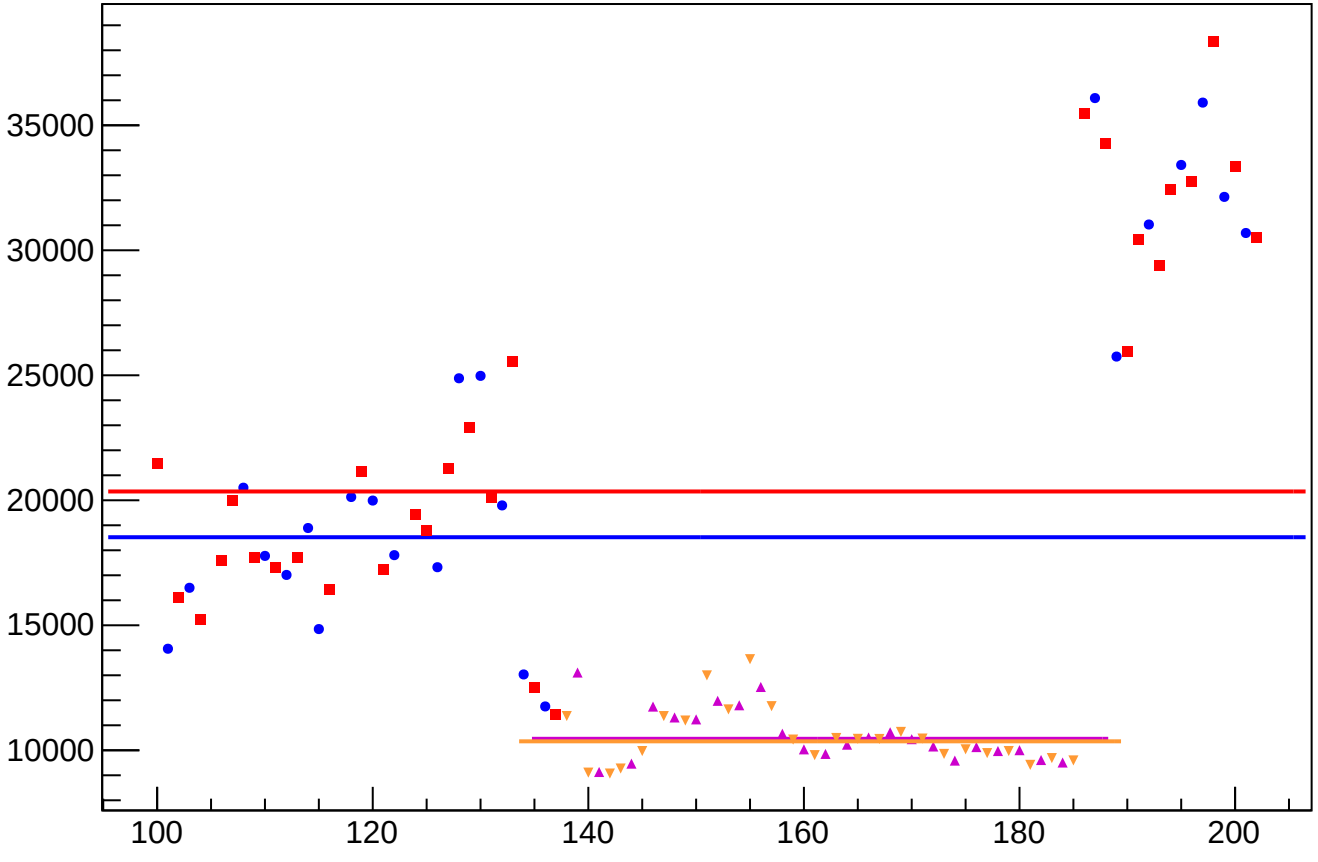
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -11.171+/-2.185 χ^2/NDF: 87.3/47

All: -7.143+/-1.569 χ^2/NDF: 148.5/99

- sign -2.861+/-2.253 χ^2/NDF: 54.3/51

diff_bpm4aesumX_rms vs Slug



Right In: 18522.594+/-3.988 χ^2/NDF: 2840306.3/22

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20352.570+/-3.997 χ^2/NDF: 3076730.0/28

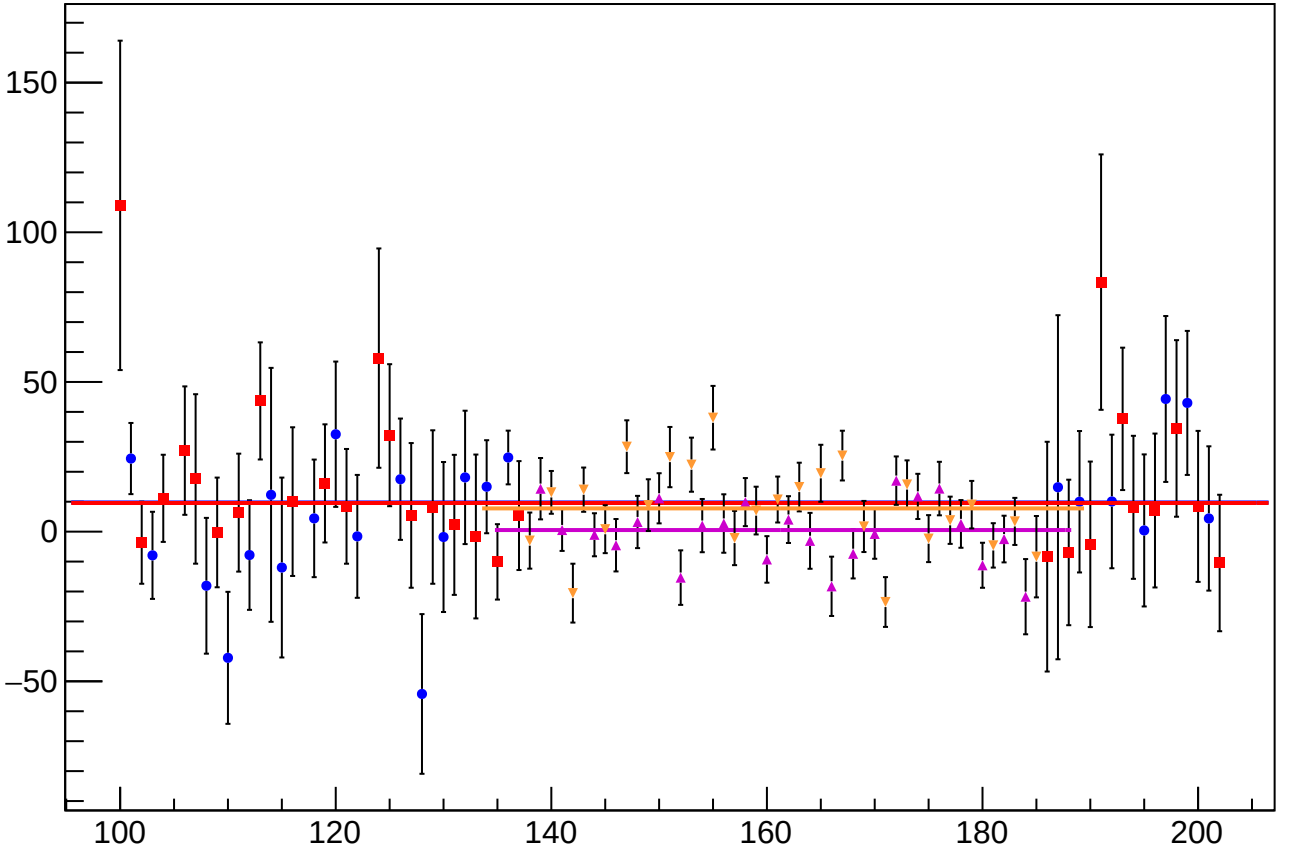
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11583.962+/-1.545 χ^2/NDF: 6765184.6/47

All: 11800.708+/-1.109 χ^2/NDF: 15350000.9

- sign 12031.190+/-1.593 χ^2/NDF: 8544216.1/51

diff_bpm4aediffX_mean vs Slug



Right In: 9.744+/-4.032 χ^2/NDF: 25.6/22

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 9.567+/-4.048 χ^2/NDF: 20.7/28

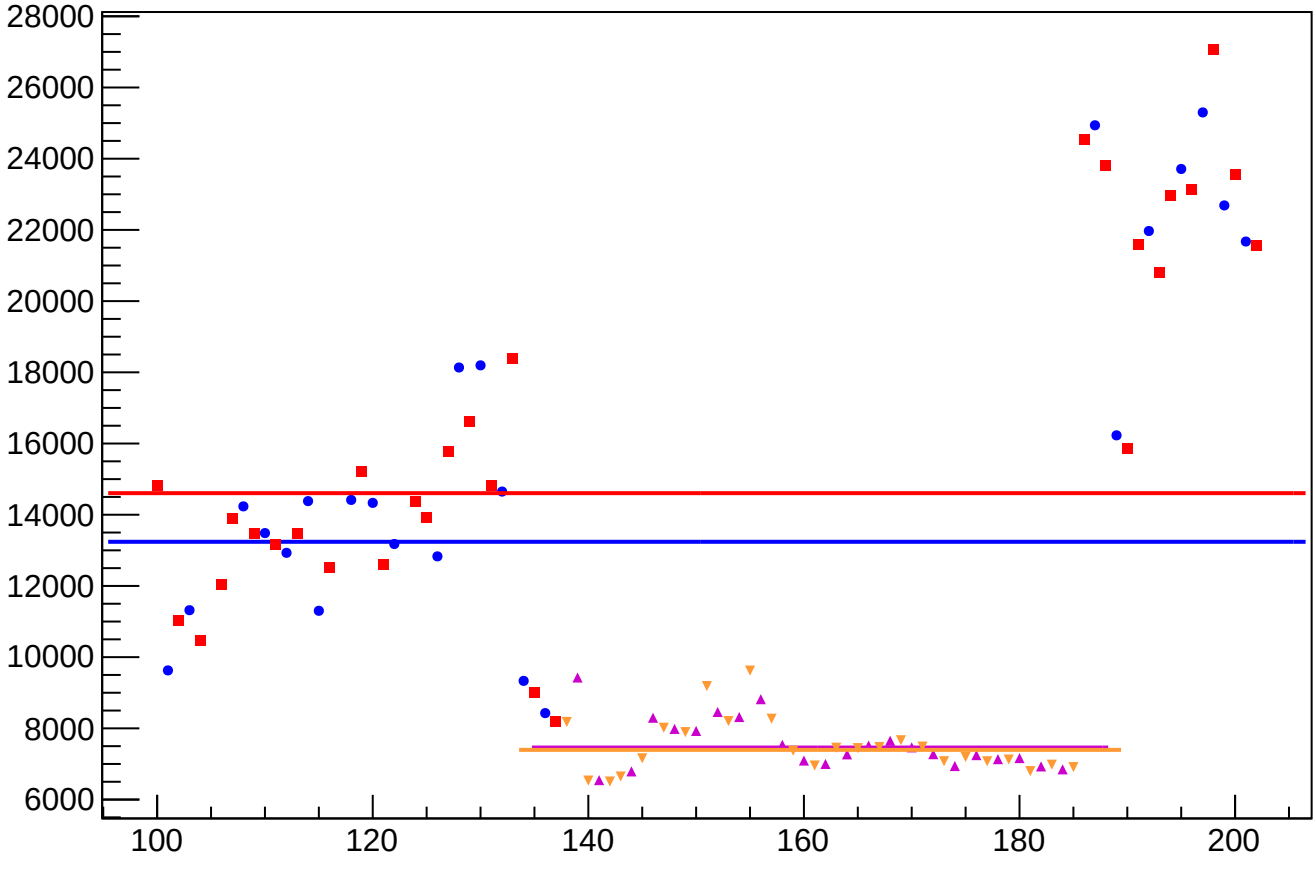
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 8.060+/-1.560 χ^2/NDF: 86.7/47

All: 5.101+/-1.120 χ^2/NDF: 148.5/99

- sign 1.957+/-1.608 χ^2/NDF: 54.3/51

diff_bpm4aediffX_rms vs Slug



Right In: 13240.064+/-2.851 χ^2/NDF: 2794395.6/22

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14606.192+/-2.863 χ^2/NDF: 2968057.9/28

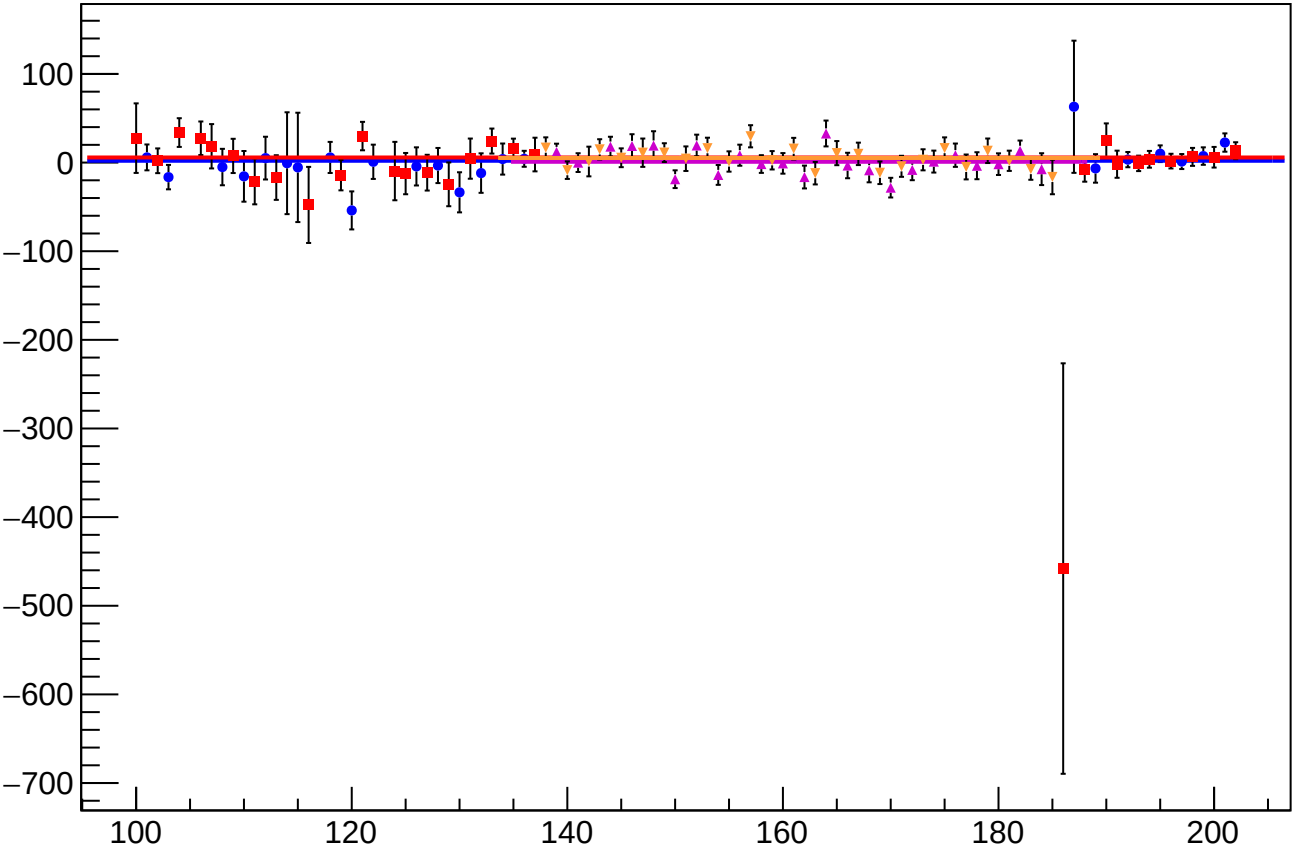
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8270.465+/-1.103 χ^2/NDF: 6692825.4/47

All: 8424.410+/-0.792 χ^2/NDF: 15233146.5/9

- sign 8587.997+/-1.137 χ^2/NDF: 8500135.0/51

diff_bpm4aesumY_mean vs Slug



Right In: 2.045+/-3.006 χ^2/NDF: 18.3/22

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

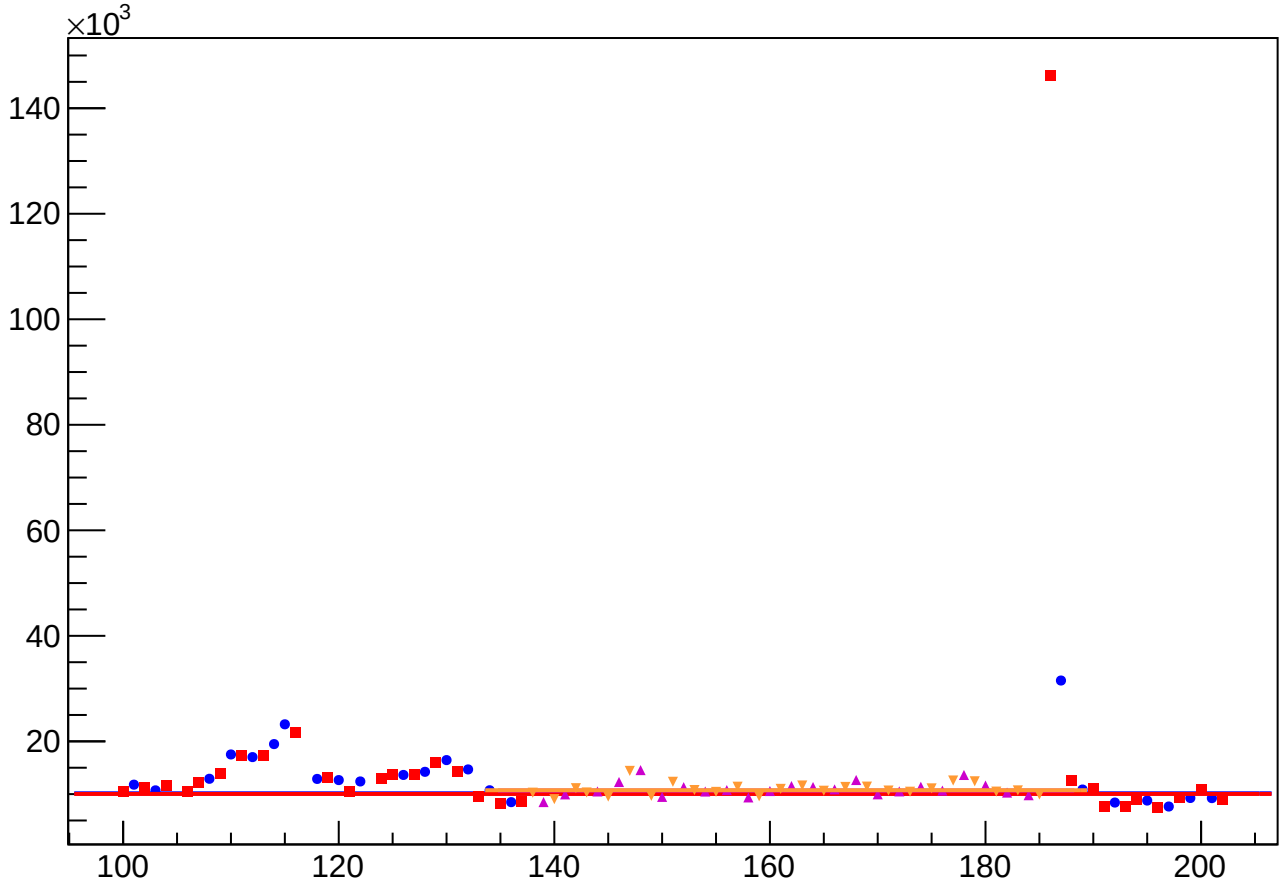
Right Out: 5.744+/-2.761 χ^2/NDF: 25.3/28

Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.922+/-1.903 χ^2/NDF: 37.3/47

All: 3.499+/-1.330 χ^2/NDF: 96.2/99

- sign 3.095+/-1.861 χ^2/NDF: 58.8/51



Right In: 10151.384+/-2.126 χ^2/NDF: 1550523.6/22

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10030.972+/-1.952 χ^2/NDF: 2287558.1/28

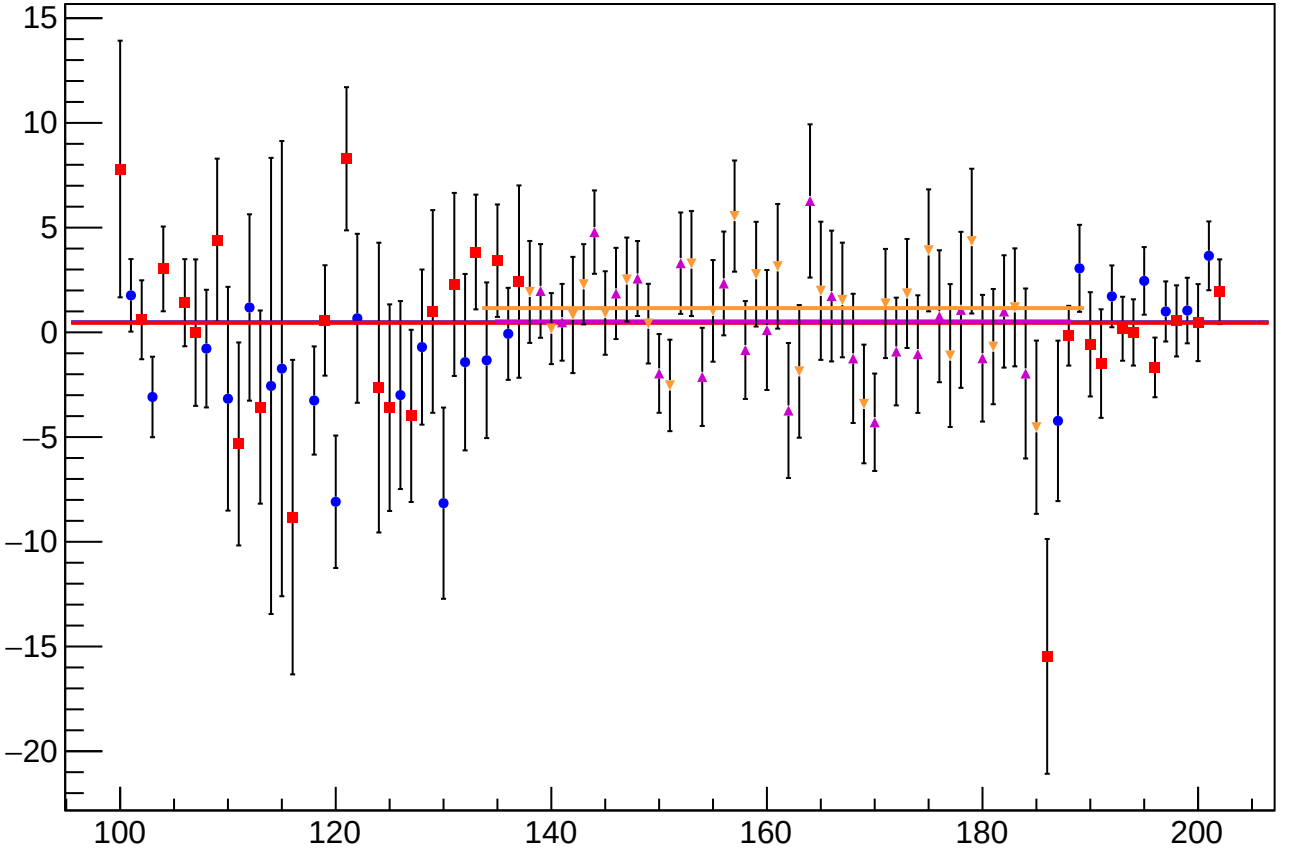
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10500.306+/-1.346 χ^2/NDF: 1963771.3/47

All: 10440.667+/-0.941 χ^2/NDF: 4815541.6/9

- sign 10383.669+/-1.316 χ^2/NDF: 2847929.8/51

diff_bpm4aediffY_mean vs Slug



Right In: 0.479+/-0.496 χ^2/NDF: 28.3/22

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.458+/-0.446 χ^2/NDF: 30.7/28

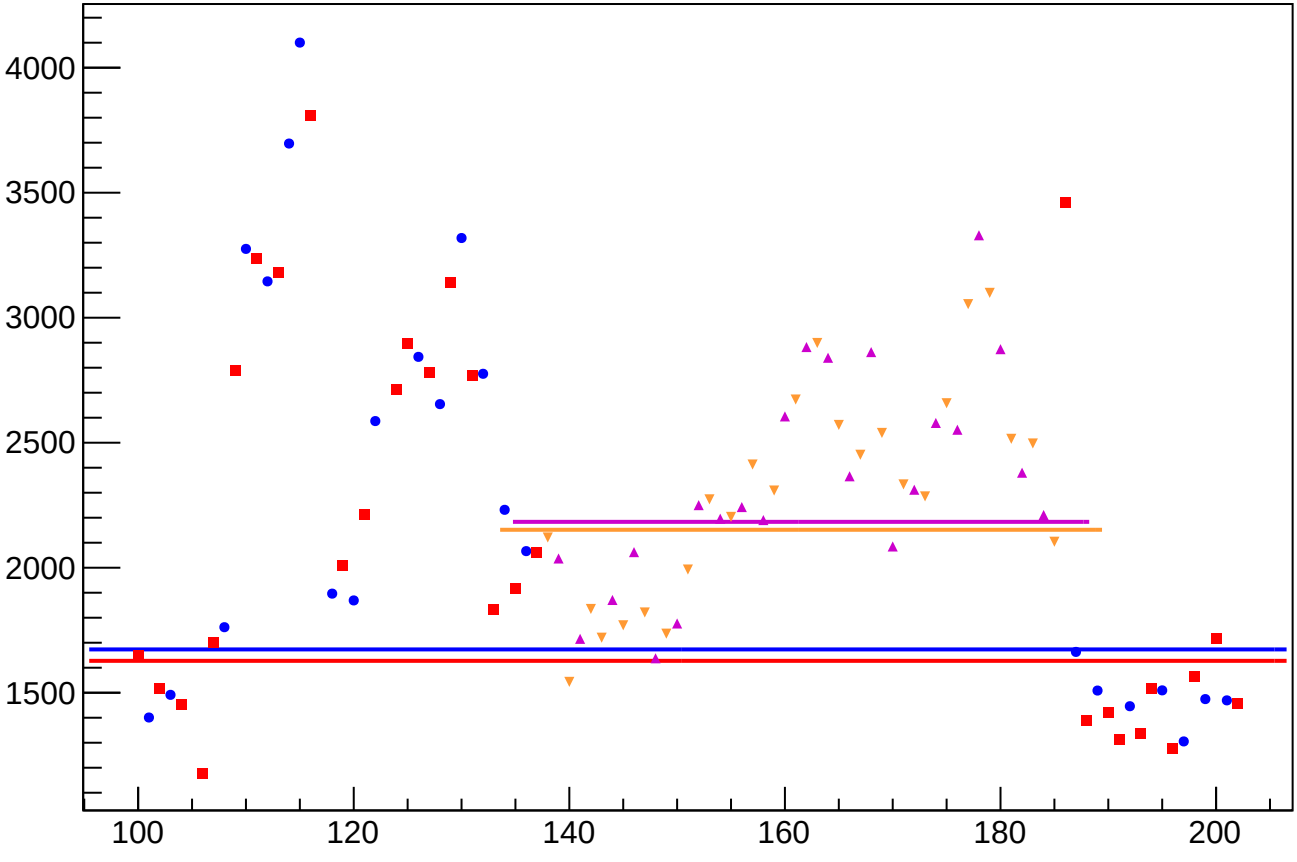
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.816+/-0.352 χ^2/NDF: 46.0/47

All: 0.644+/-0.244 χ^2/NDF: 99.5/99

- sign 0.485+/-0.339 χ^2/NDF: 53.0/51

diff_bpm4aediffY_rms vs Slug



Right In: 1673.229+/-0.351 χ^2/NDF: 1819556.3/22

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1627.547+/-0.316 χ^2/NDF: 2281571.7/28

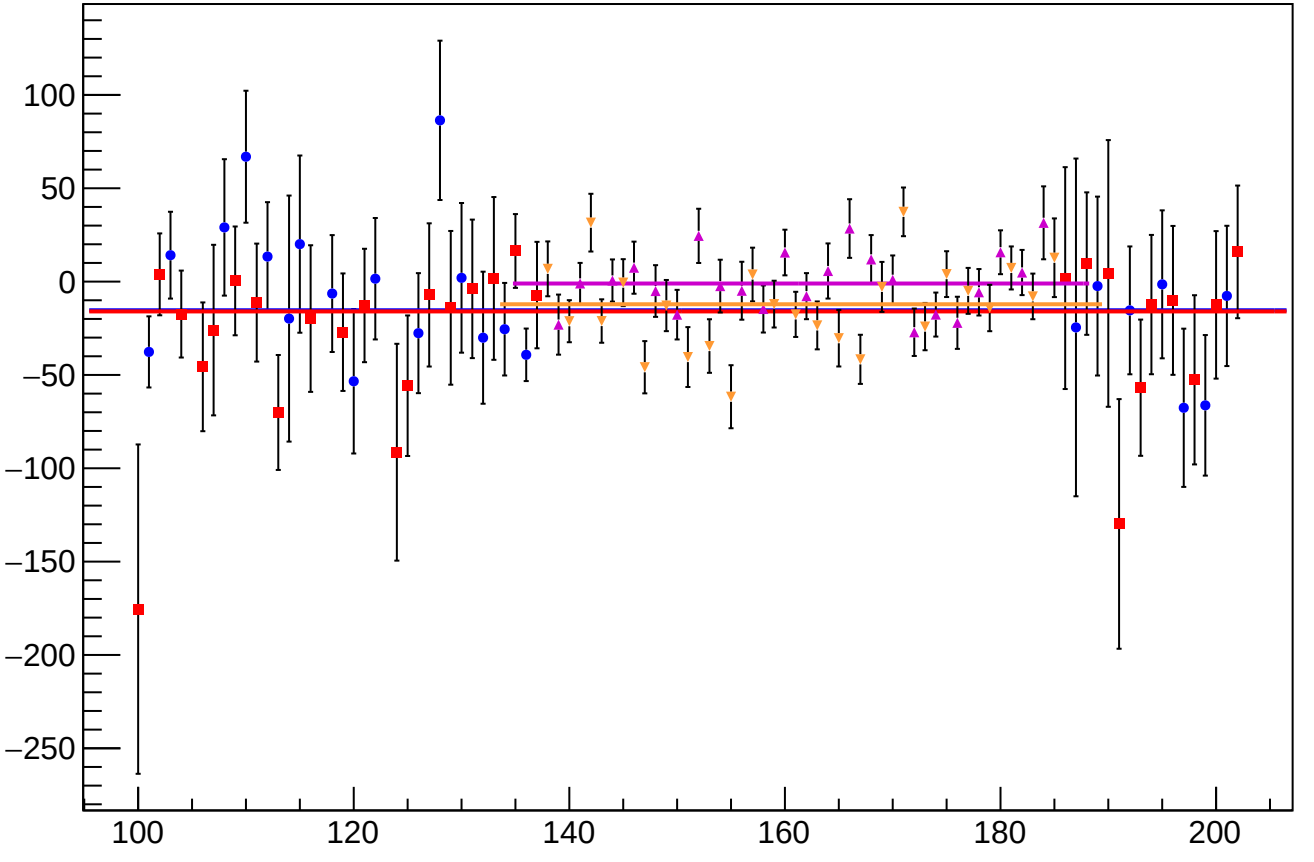
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1910.711+/-0.249 χ^2/NDF: 4091373.6/47

All: 1886.131+/-0.173 χ^2/NDF: 8870671.2/99

- sign 1863.427+/-0.239 χ^2/NDF: 4760572.8/51

diff_bpmtargetsumX_mean vs Slug



Right In: -15.350+/-6.419 χ^2/NDF: 25.6/22

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: -15.975+/-6.446 χ^2/NDF: 20.6/28

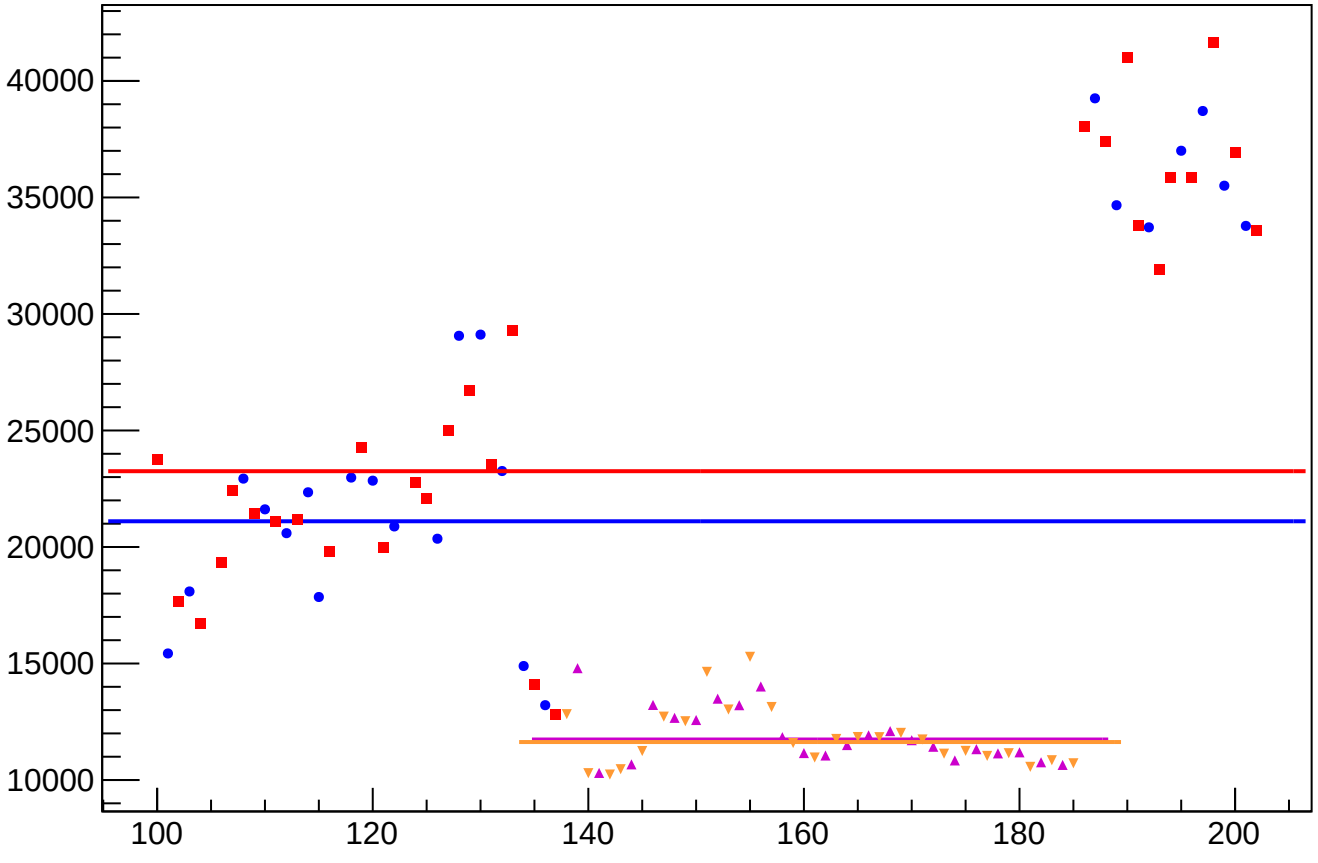
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.606+/-2.458 χ^2/NDF: 88.4/47

All: -8.115+/-1.765 χ^2/NDF: 149.3/99

- sign -3.337+/-2.535 χ^2/NDF: 54.0/51

diff_bpmtargetsumX_rms vs Slug



Right In: 21103.984+/-4.539 χ^2/NDF: 2850704.0/22

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 23253.046+/-4.558 χ^2/NDF: 2984620.2/28

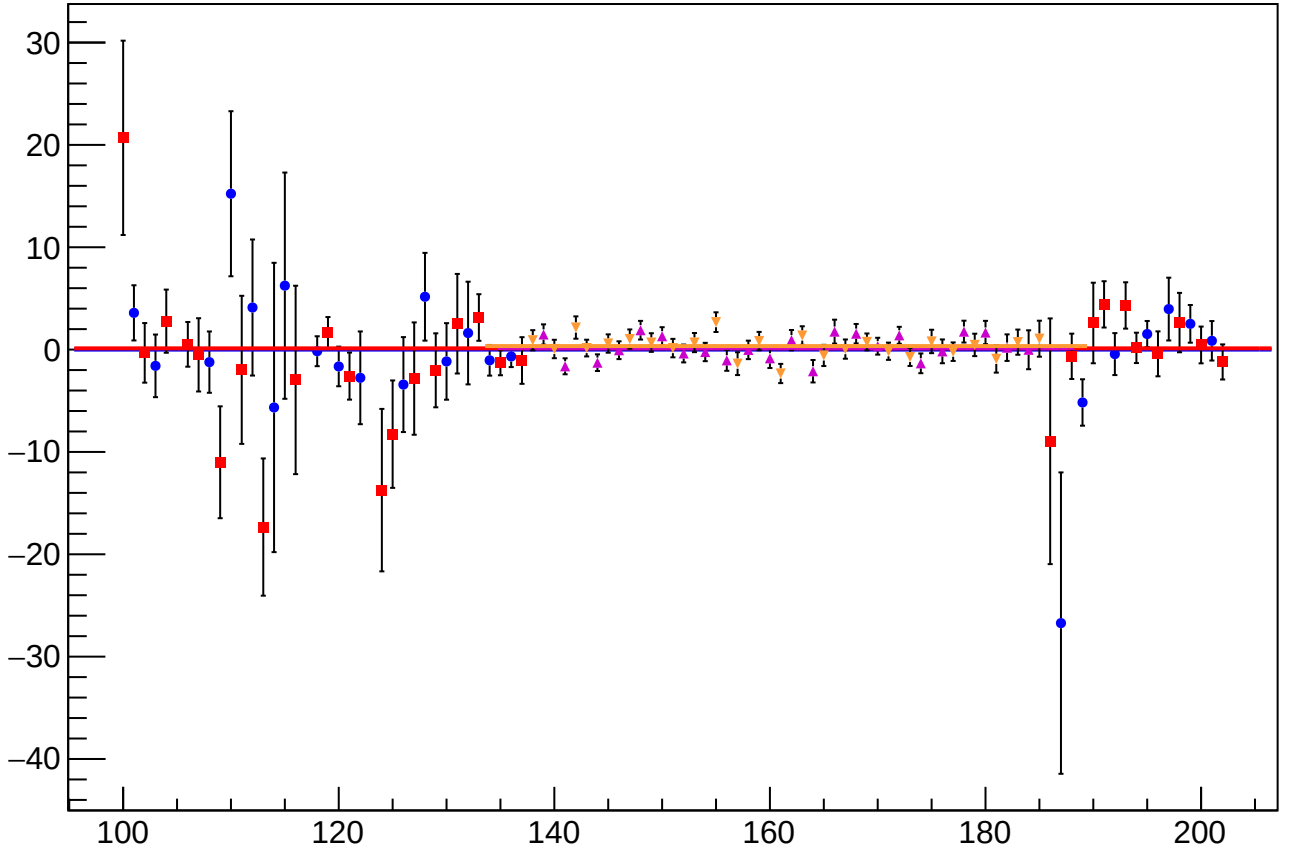
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 13019.757+/-1.738 χ^2/NDF: 6924736.7/47

All: 13261.976+/-1.248 χ^2/NDF: 15657569.1

- sign 13519.630+/-1.793 χ^2/NDF: 8692758.2/51

diff_bpmtargetdiffX_mean vs Slug



Right In: 0.001+/-0.471 χ^2/NDF: 24.5/22

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.121+/-0.467 χ^2/NDF: 38.5/28

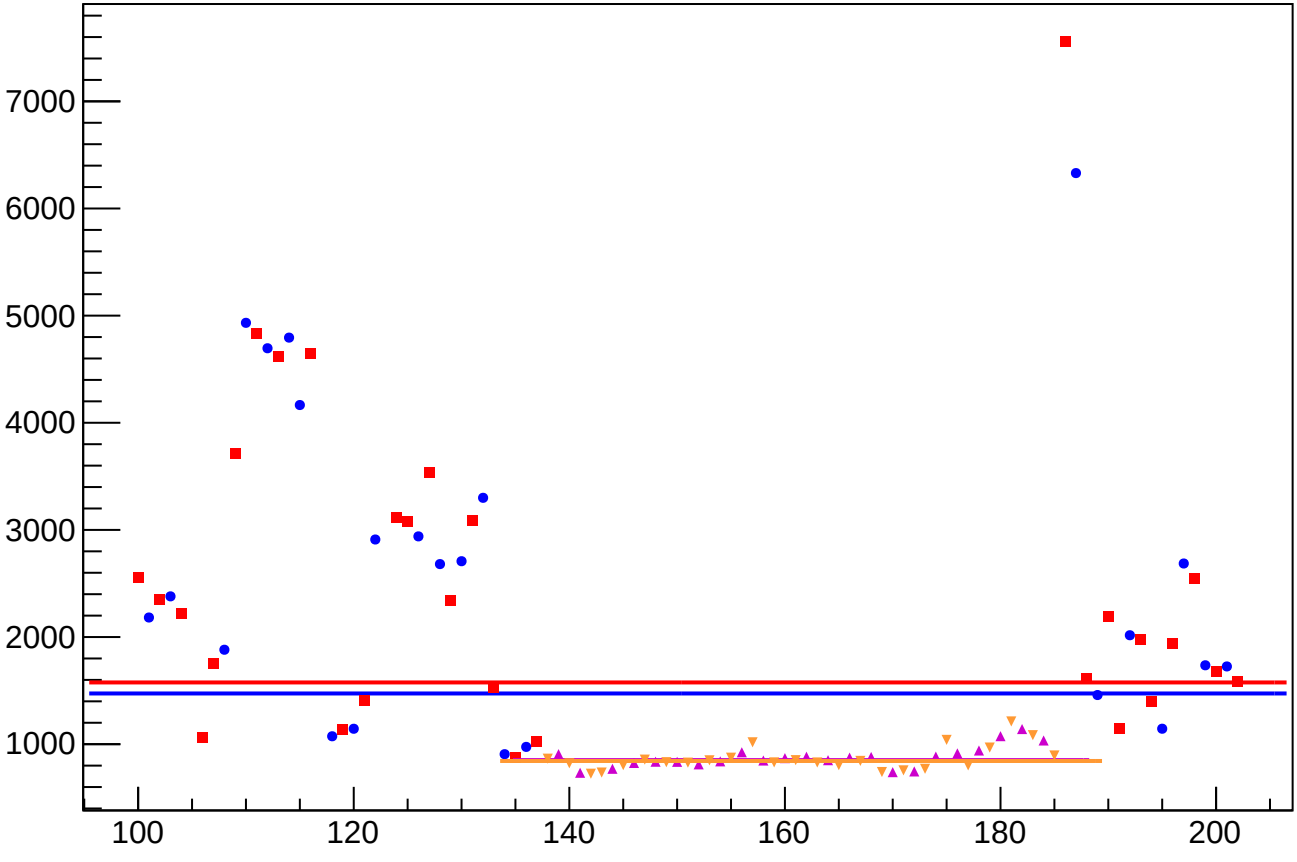
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.293+/-0.179 χ^2/NDF: 51.8/47

All: 0.228+/-0.129 χ^2/NDF: 126.9/99

- sign 0.158+/-0.185 χ^2/NDF: 74.8/51

diff_bpmtargetdiffX_rms vs Slug



Right In: 1473.386+/-0.333 χ^2/NDF: 4295632.2/22

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1576.283+/-0.330 χ^2/NDF: 4437638.3/28

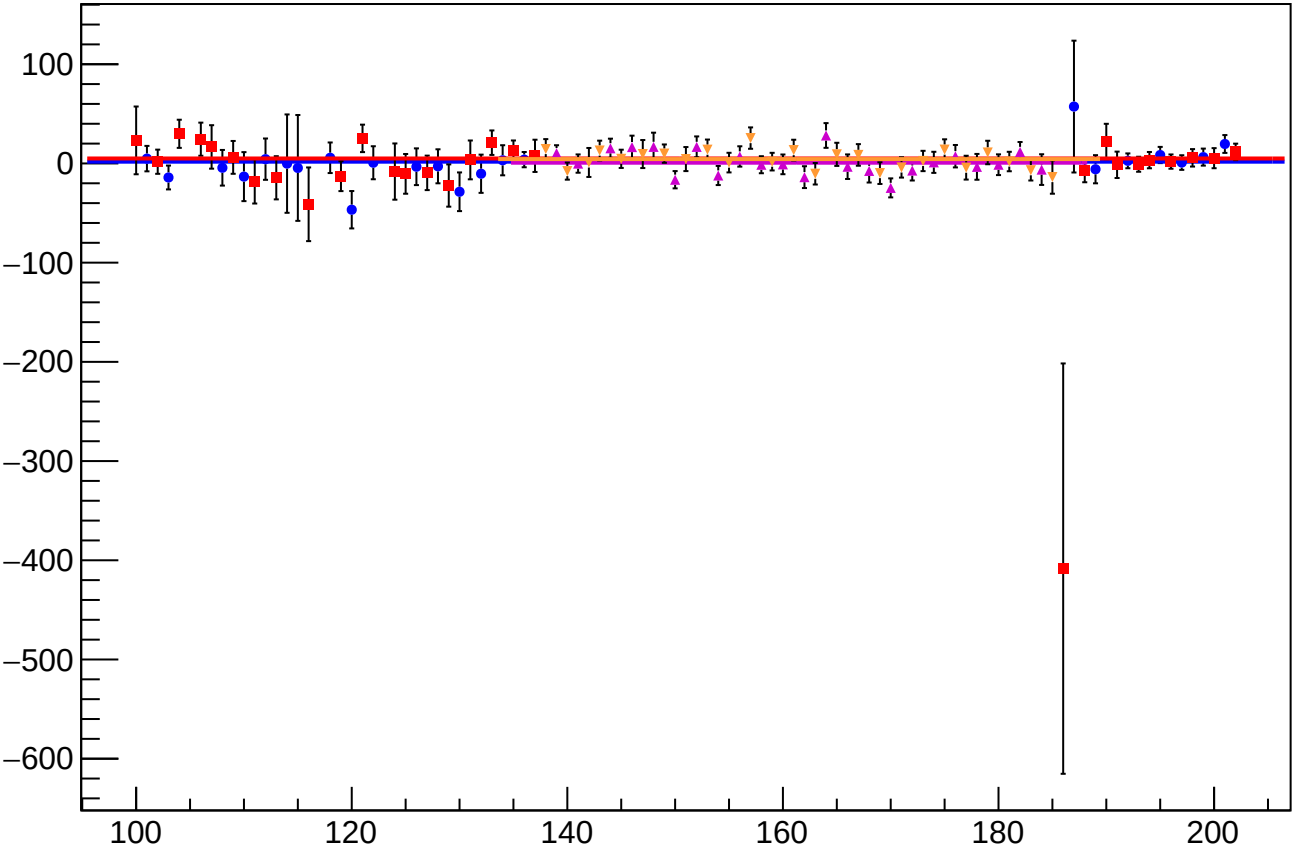
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 934.332+/-0.127 χ^2/NDF: 7857697.0/47

All: 949.101+/-0.091 χ^2/NDF: 16769921.0/99

- sign 964.758+/-0.130 χ^2/NDF: 8884242.2/51

diff_bpmtargetsumY_mean vs Slug



Right In: 1.773+/-2.610 χ^2/NDF: 18.0/22

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 5.000+/-2.400 χ^2/NDF: 25.2/28

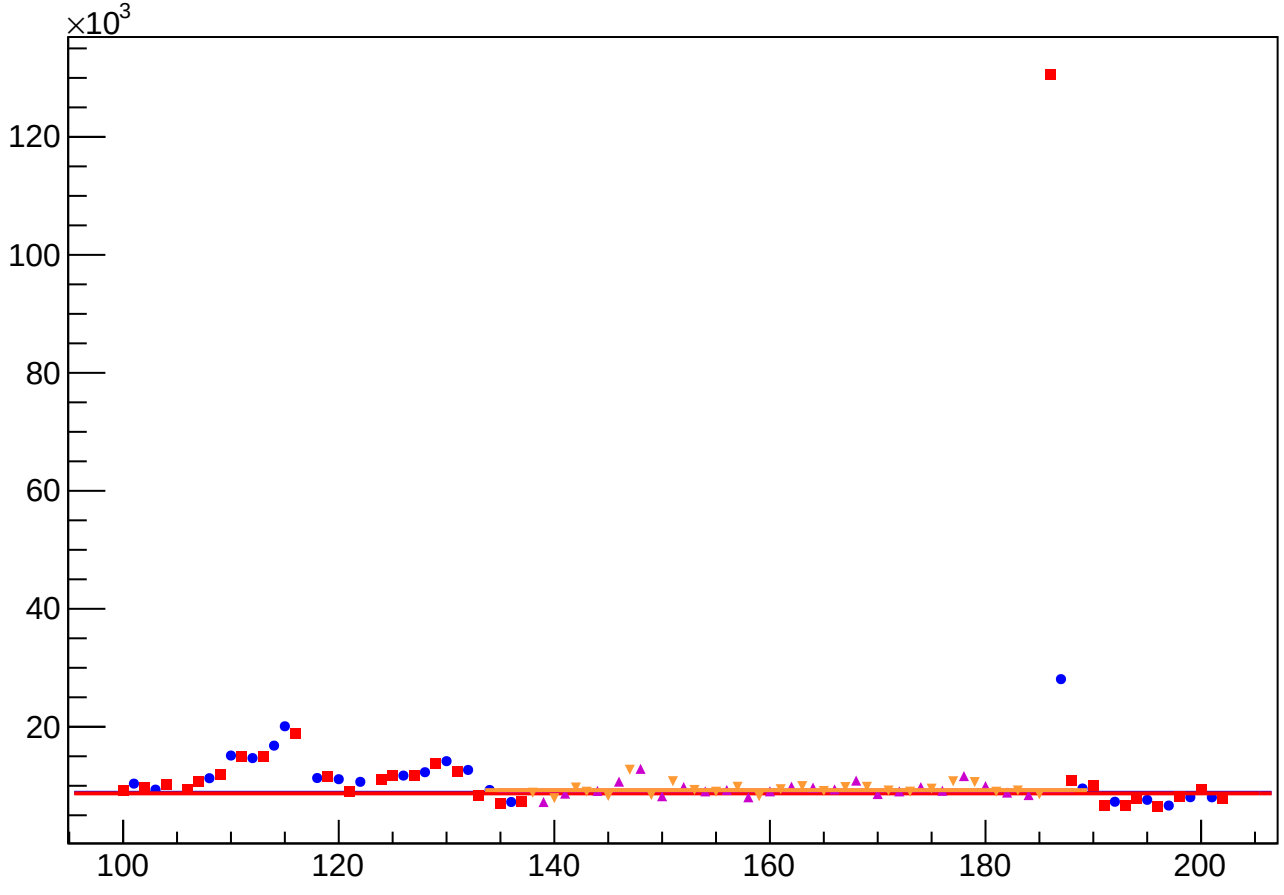
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

\+ sign 3.345+/-1.646 χ^2/NDF: 37.2/47

All: 2.991+/-1.151 χ^2/NDF: 96.3/99

\- sign 2.653+/-1.610 χ^2/NDF: 59.0/51

diff_bpmtargetsumY_rms vs Slug



Right In: 8809.797+/-1.846 χ^2/NDF: 1560171.0/22

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8715.366+/-1.697 χ^2/NDF: 2292909.0/28

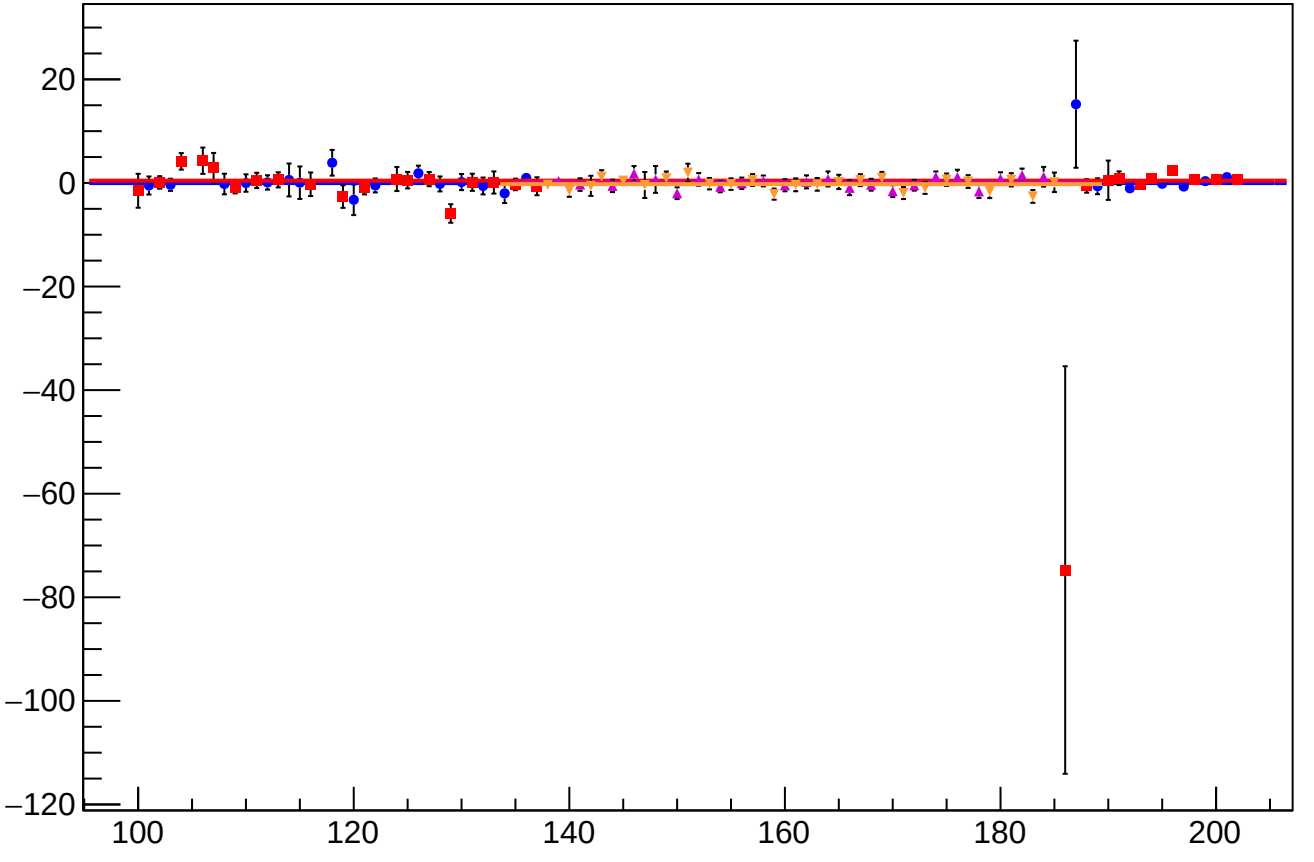
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9081.808+/-1.164 χ^2/NDF: 1962318.7/47

All: 9030.634+/-0.814 χ^2/NDF: 4819277.5/99

- sign 8981.700+/-1.138 χ^2/NDF: 2853178.6/51

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.025+/-0.260 χ^2/NDF: 14.4/22

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.439+/-0.240 χ^2/NDF: 37.9/28

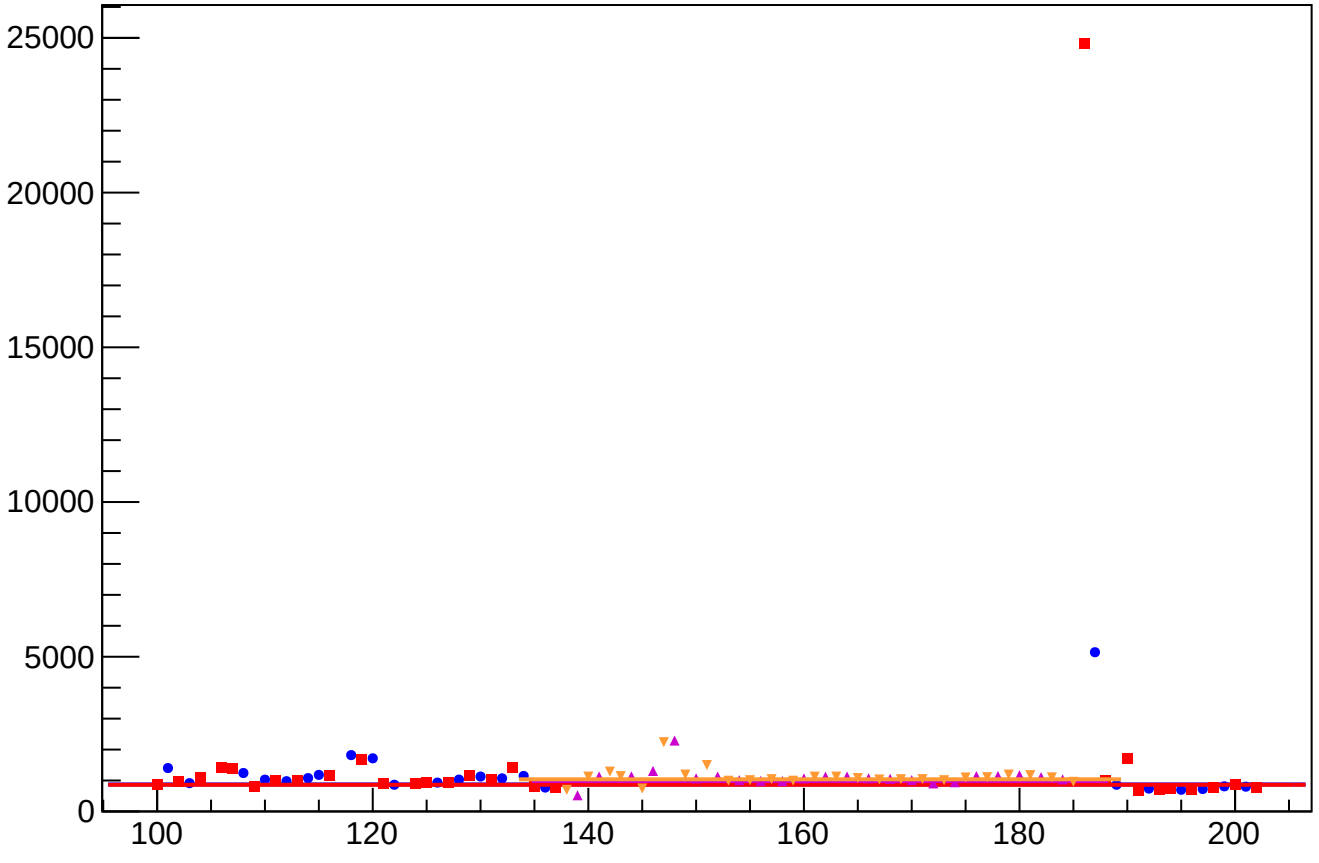
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.134+/-0.178 χ^2/NDF: 33.7/47

All: 0.057+/-0.123 χ^2/NDF: 90.6/99

- sign 0.231+/-0.169 χ^2/NDF: 54.6/51

diff_bpmtargetdiffY_rms vs Slug



Right In: 872.638+/-0.184 χ^2/NDF: 1449396.5/22

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 862.533+/-0.170 χ^2/NDF: 1961805.0/28

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 961.450+/-0.126 χ^2/NDF: 3228141.0/47

All: 940.936+/-0.087 χ^2/NDF: 7713493.3/99

- sign 922.291+/-0.120 χ^2/NDF: 4434427.4/51

yield_cav4bX_mean vs Slug

Right In: 139.337+/-0.000 χ^2/NDF: 53822332688.6/22

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774181623426819.2/28

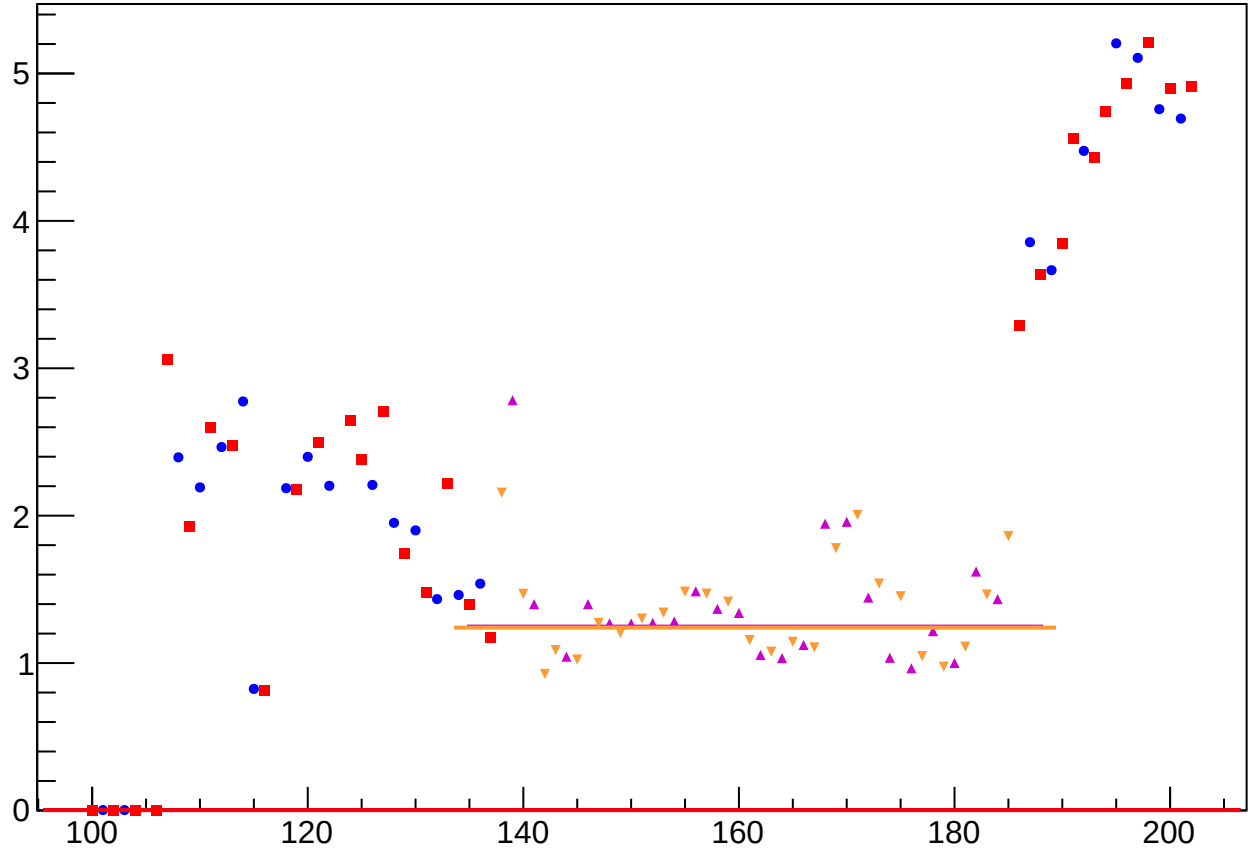
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 328365445498.8/4

All: 131.810+/-0.000 χ^2/NDF: 79350278517

- sign 125.385+/-0.000 χ^2/NDF: 774395276357802

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 19502227.8/22

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

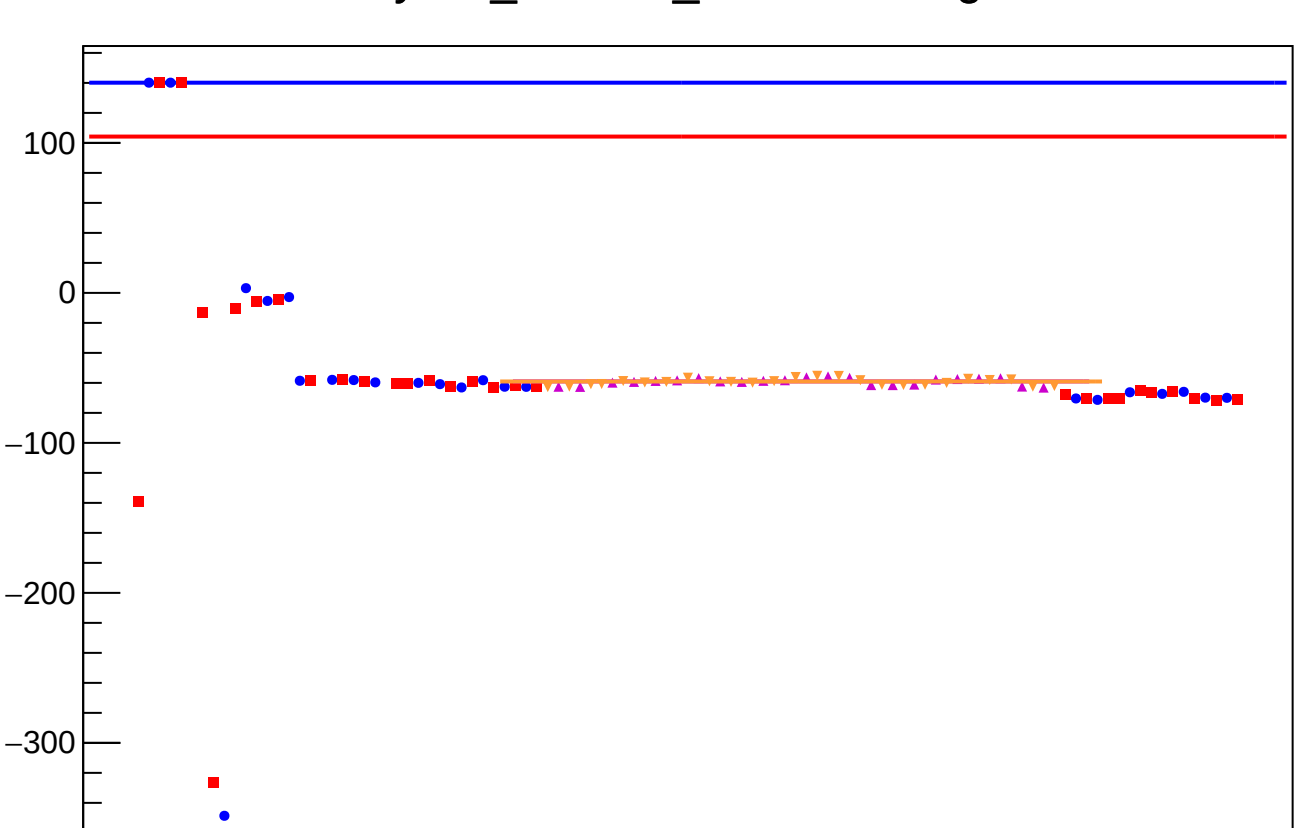
Right Out: 0.003+/-0.000 χ^2/NDF: 23528669.7/28

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 50800592.4/47

All: 0.003+/-0.000 χ^2/NDF: 104096660.7/99

- sign 0.003+/-0.000 χ^2/NDF: 53295711.9/51



Right In: 140.139+/-0.000 χ^2/NDF: 341828465395.2/22

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.220+/-0.000 χ^2/NDF: 1257551201287870.8/28

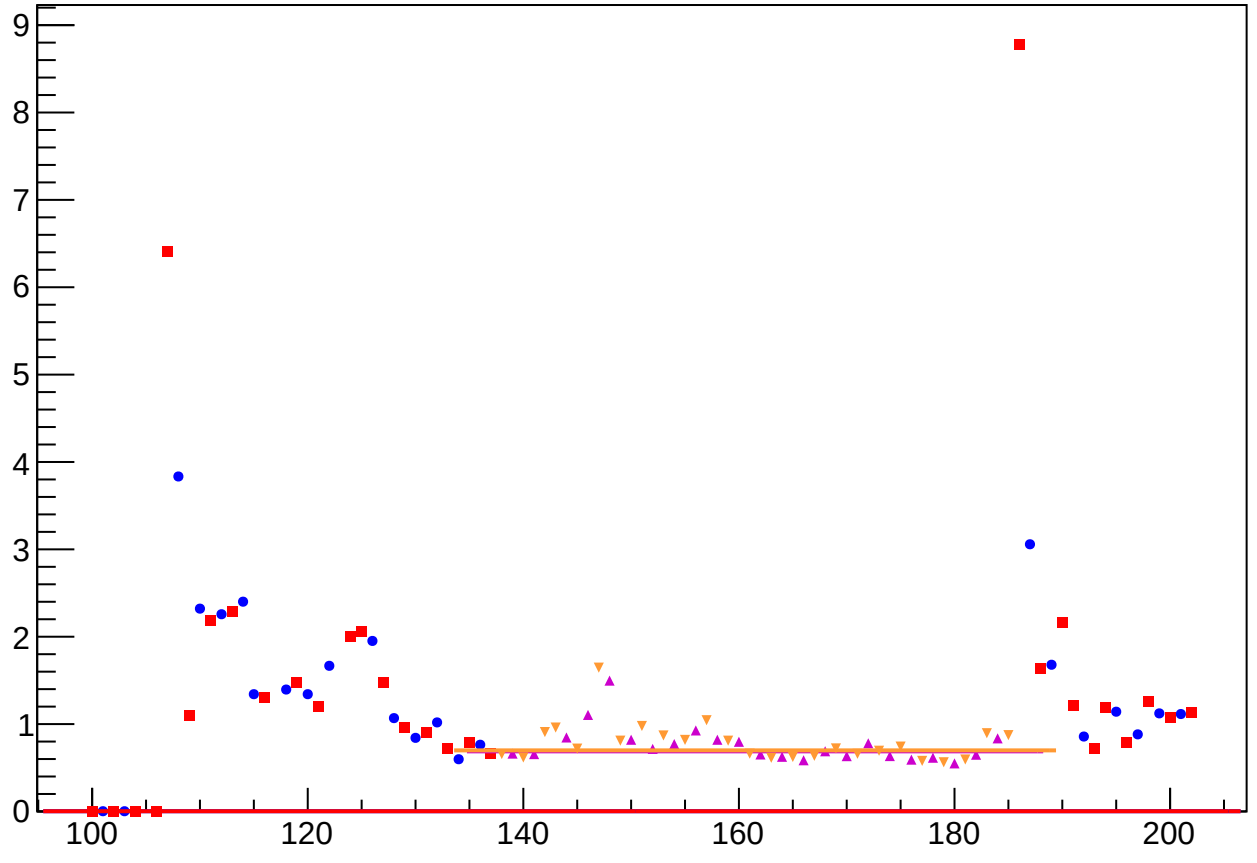
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.103+/-0.000 χ^2/NDF: 1638965319346.4

All: 120.797+/-0.000 χ^2/NDF: 13833003282

- sign 104.195+/-0.000 χ^2/NDF: 125840822222717

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 18560211.4/22

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

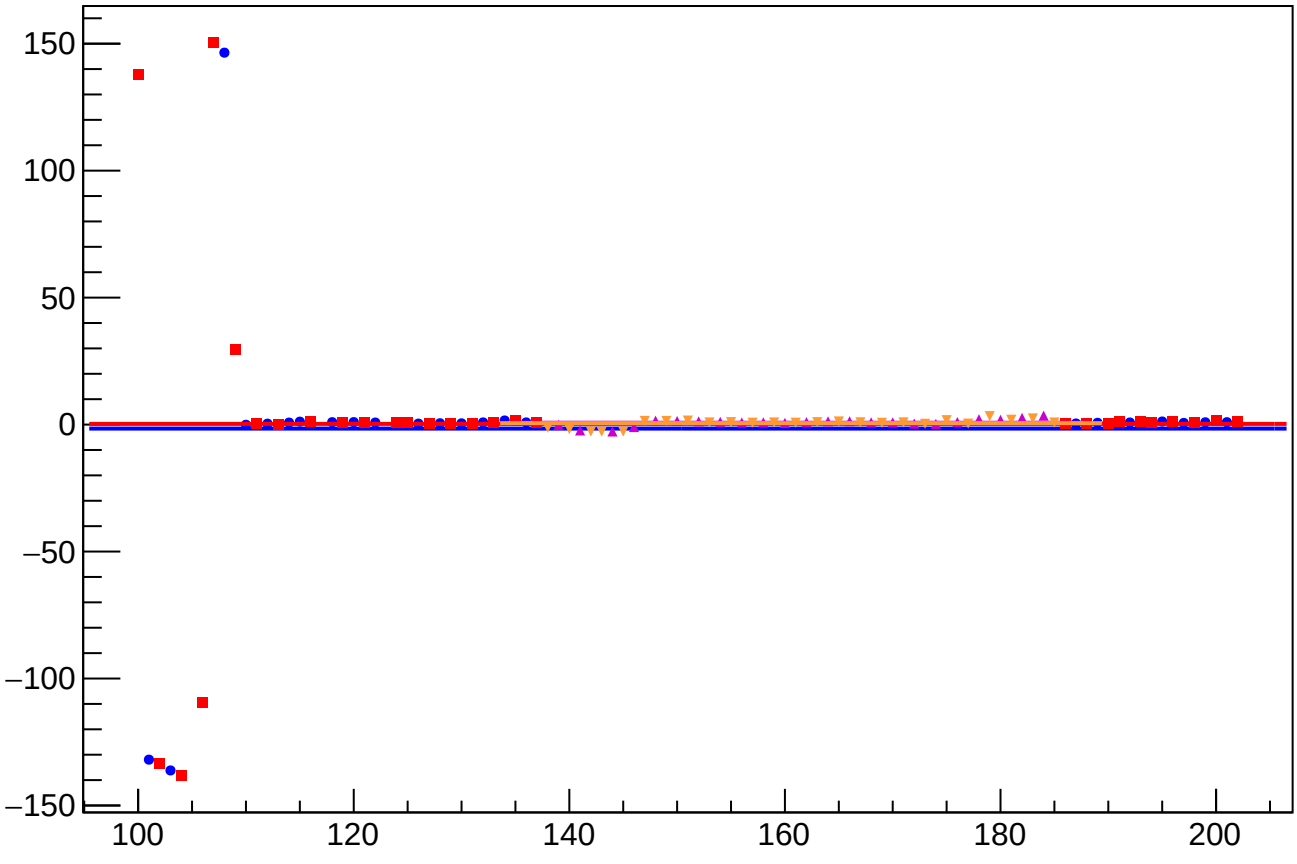
Right Out: 0.003+/-0.000 χ^2/NDF: 22161199.5/28

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 51612703.0/47

All: 0.003+/-0.000 χ^2/NDF: 105082764.2/99

- sign 0.003+/-0.000 χ^2/NDF: 53469579.2/51



Right In: -1.576+/-0.000 χ^2/NDF: 9897569500.2/22

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.272+/-0.000 χ^2/NDF: 3612691437.9/28

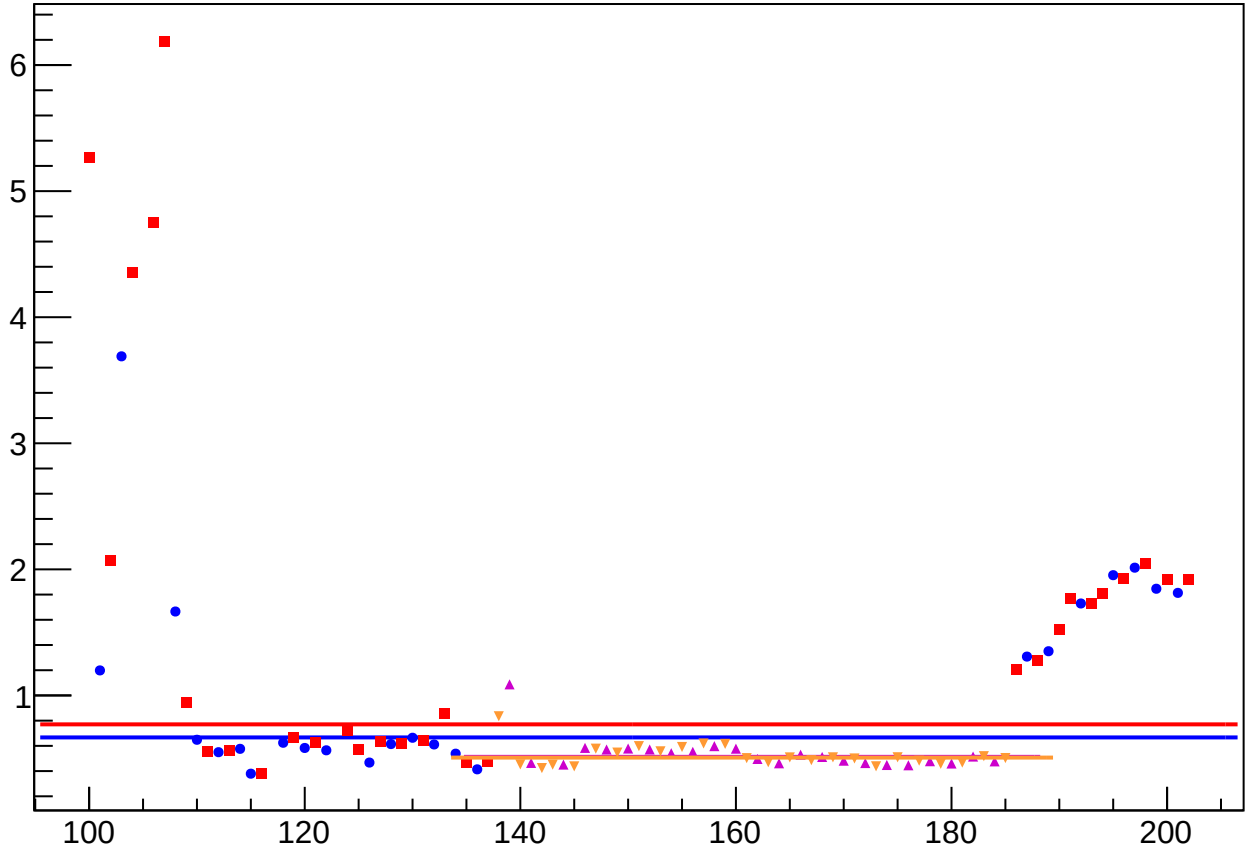
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.089+/-0.000 χ^2/NDF: 10115520437.5/47

All: 0.348+/-0.000 χ^2/NDF: 13846978952.1/9

- sign 0.631+/-0.000 χ^2/NDF: 3720446341.8/51

yield_cav4cX_rms vs Slug



Right In: 0.667+/-0.000 χ^2/NDF: 5845158.7/22

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.771+/-0.000 χ^2/NDF: 7409473.1/28

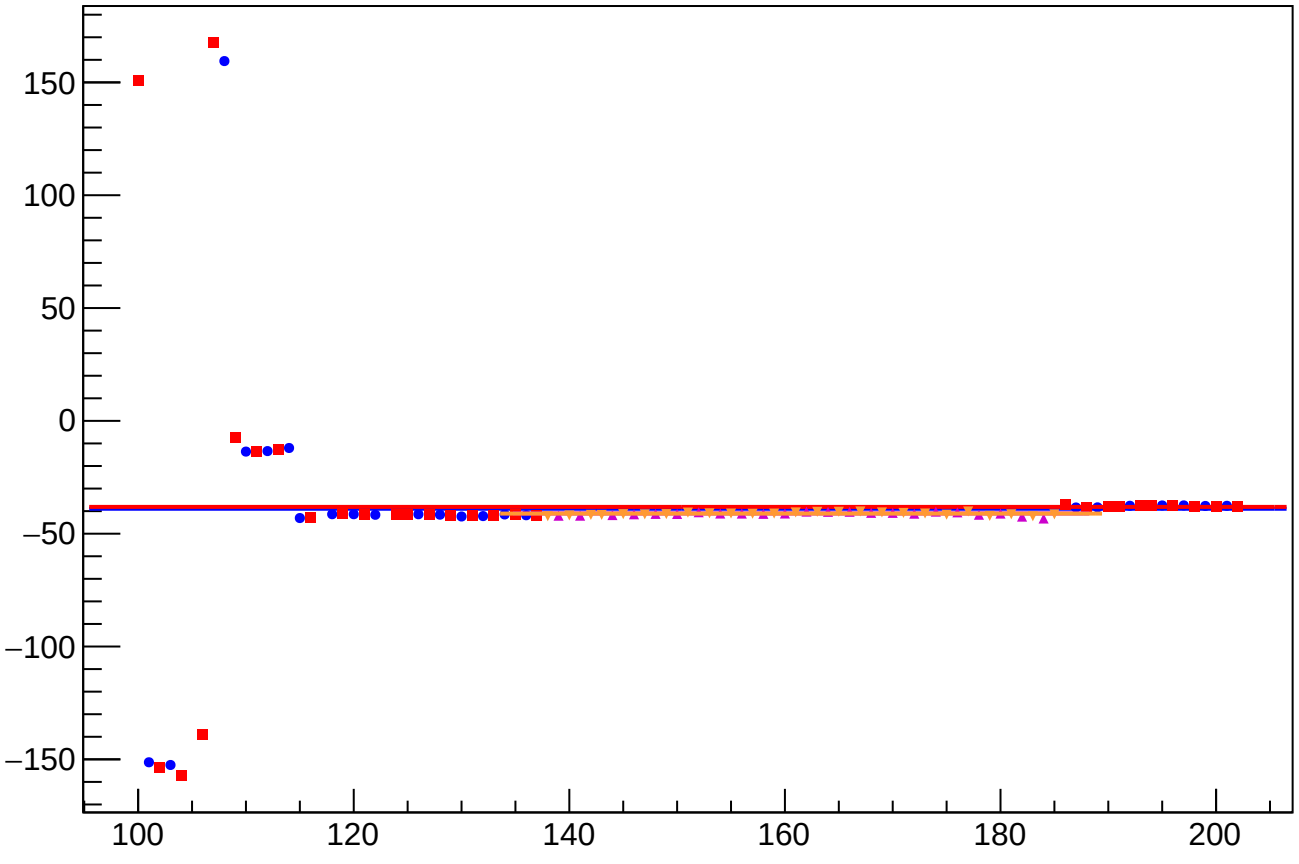
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.543+/-0.000 χ^2/NDF: 7102576.7/47

All: 0.556+/-0.000 χ^2/NDF: 16959612.5/99

- sign 0.570+/-0.000 χ^2/NDF: 9804318.5/51

yield_cav4cY_mean vs Slug



Right In: -38.944+/-0.000 χ^2/NDF: 3577357390.0/22

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.124+/-0.000 χ^2/NDF: 2508405955.3/28

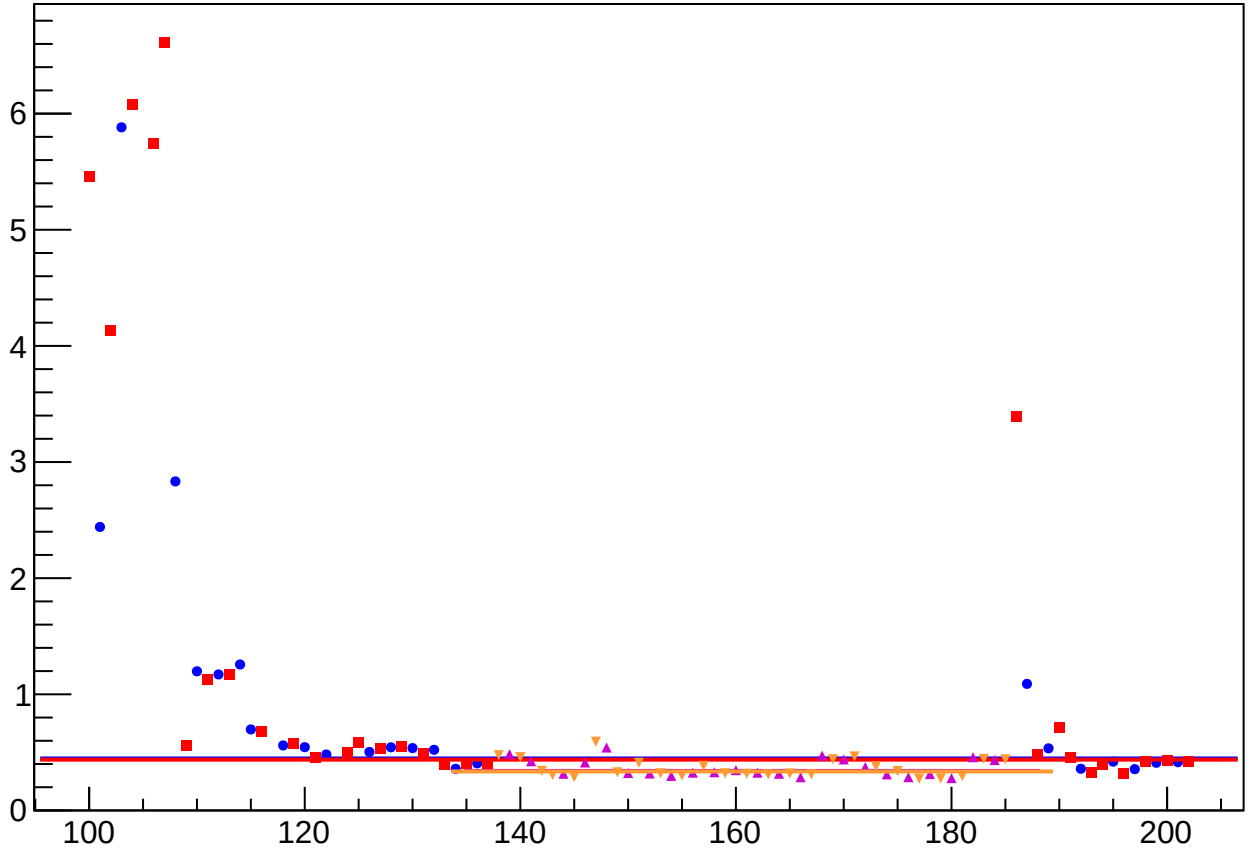
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.598+/-0.000 χ^2/NDF: 3804913286.5/47

All: -40.405+/-0.000 χ^2/NDF: 6725726887.4/

- sign -40.209+/-0.000 χ^2/NDF: 2905484766.9/51

yield_cav4cY_rms vs Slug



Right In: 0.448+/-0.000 χ^2/NDF: 3542681.2/22

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

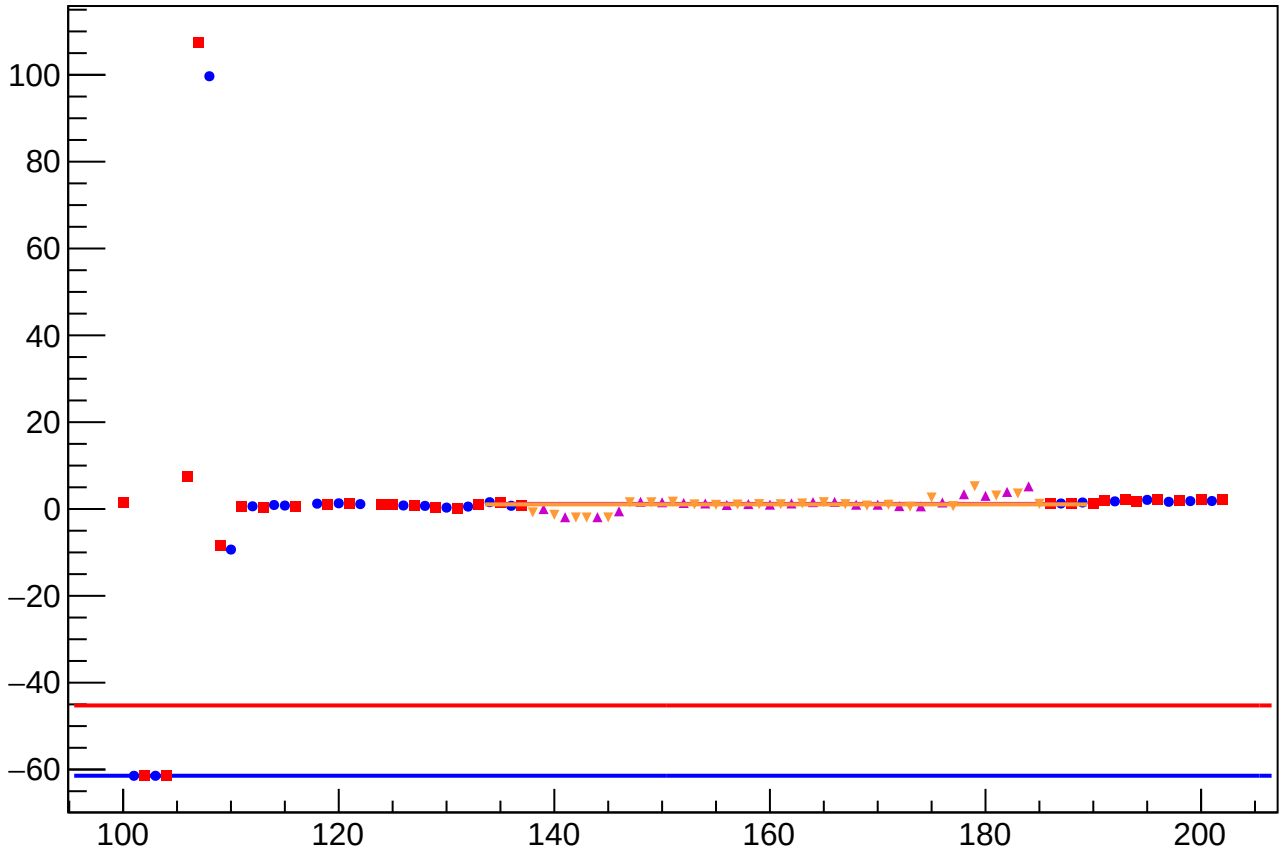
Right Out: 0.437+/-0.000 χ^2/NDF: 4609200.8/28

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.361+/-0.000 χ^2/NDF: 5690541.7/47

All: 0.365+/-0.000 χ^2/NDF: 12147398.7/99

- sign 0.368+/-0.000 χ^2/NDF: 6448934.0/51



Right In: -61.436+/-0.000 χ^2/NDF: 281996379084.7/22

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357877460277882.8/28

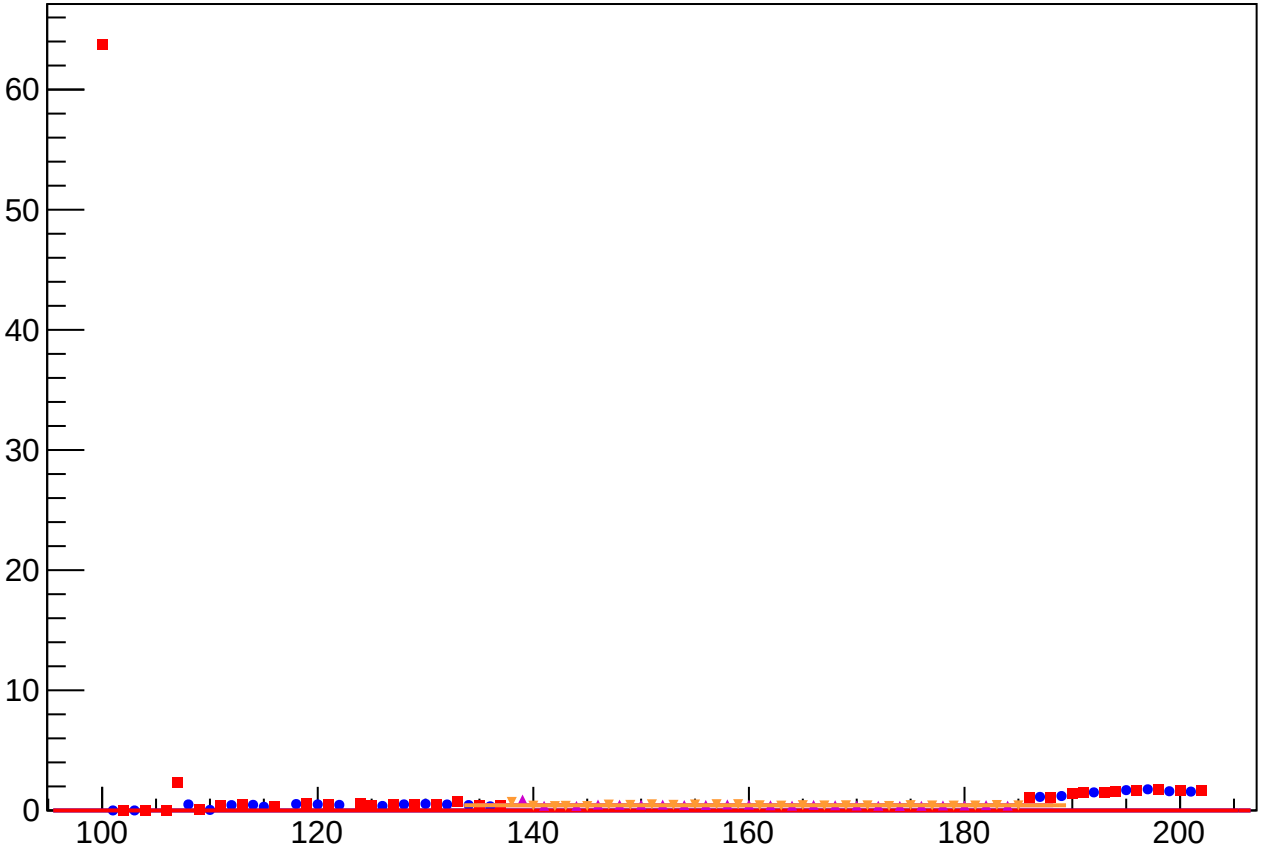
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 612001112550.9/4

All: -52.738+/-0.000 χ^2/NDF: 409607244102

- sign -45.236+/-0.000 χ^2/NDF: 358044024605742.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 19064762.4/22

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

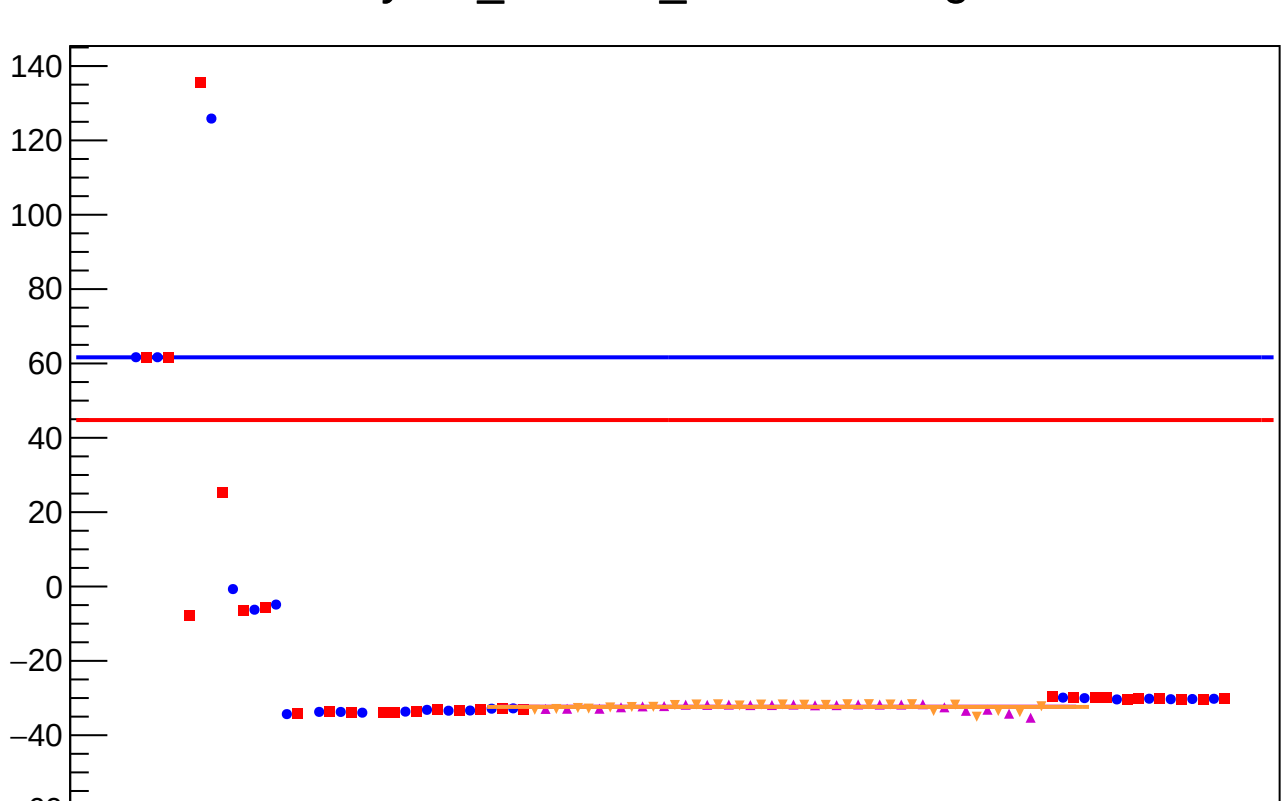
Right Out: 0.001+/-0.000 χ^2/NDF: 23135205.4/28

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 50829231.2/47

All: 0.002+/-0.000 χ^2/NDF: 104106437.4/99

- sign 0.002+/-0.000 χ^2/NDF: 53277050.0/51



Right In: 61.650+/-0.000 χ^2/NDF: 738308273174.2/22

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.774+/-0.000 χ^2/NDF: 3664144566413 97.7/28

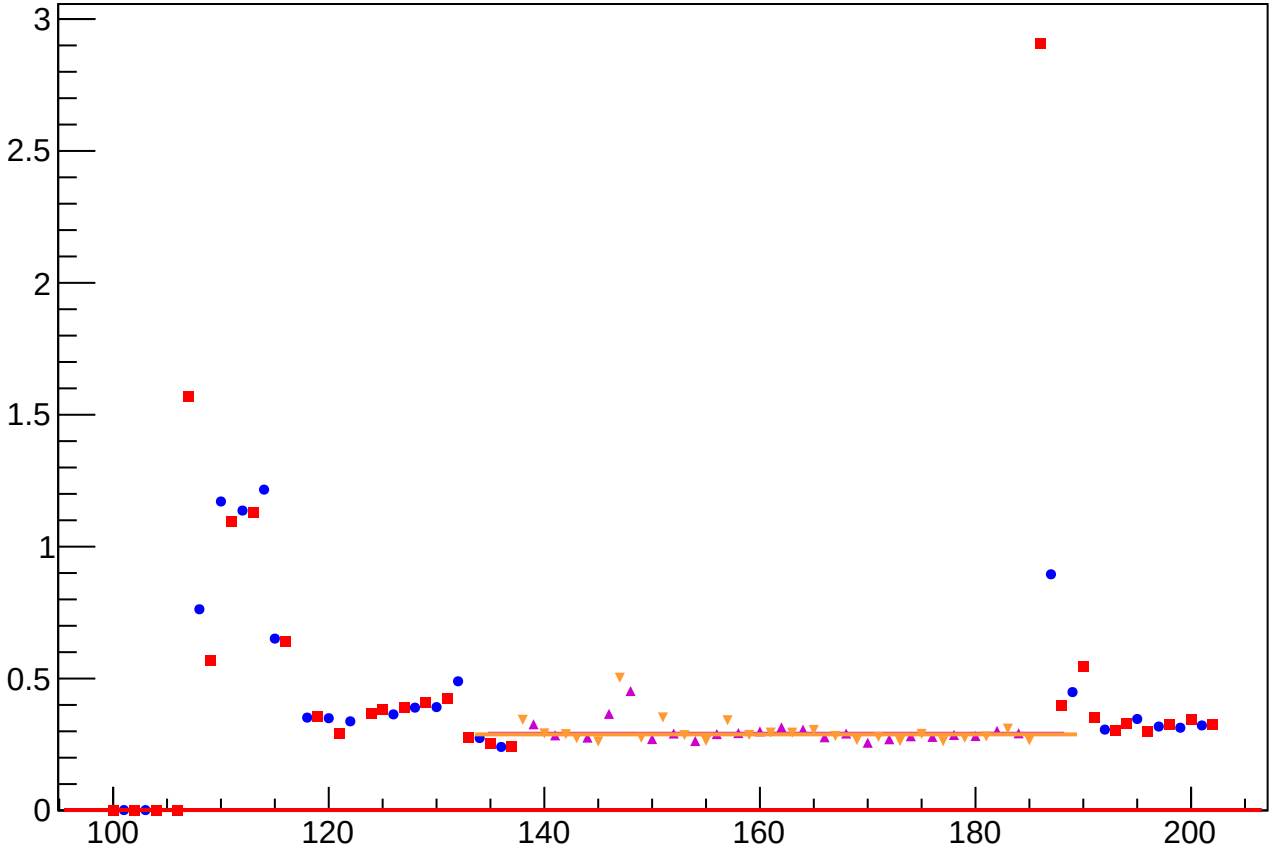
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.588+/-0.000 χ^2/NDF: 2695946565260.2/4

All: 52.627+/-0.000 χ^2/NDF: 421352931637 1

- sign 44.733+/-0.000 χ^2/NDF: 367641918698427.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 20676457.9/22

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 24044086.9/28

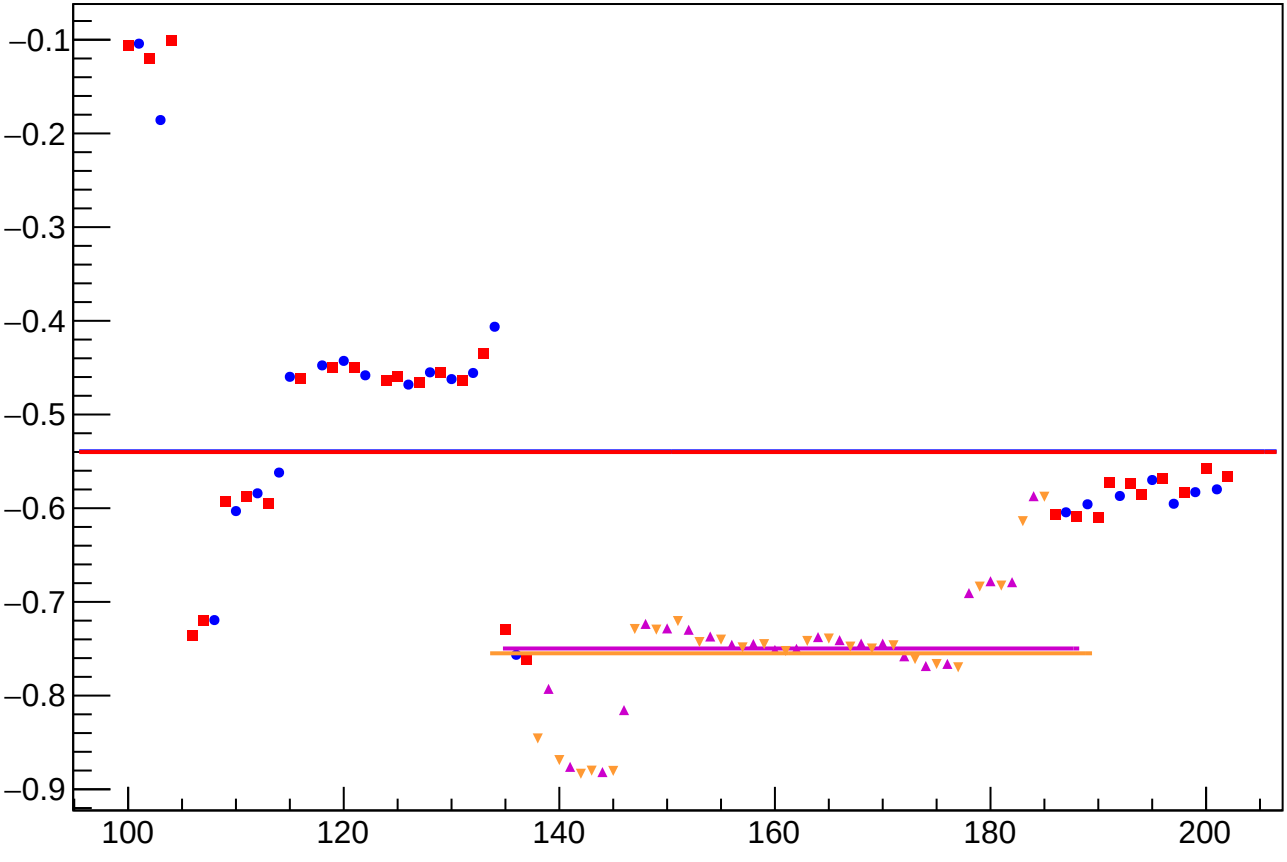
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 57629024.9/47

All: 0.002+/-0.000 χ^2/NDF: 116569667.8/99

- sign 0.002+/-0.000 χ^2/NDF: 58940628.2/51

yield_bpm4aX_mean vs Slug



Right In: -0.539+/-0.000 χ^2/NDF: 303537341.7/22

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.540+/-0.000 χ^2/NDF: 218980189.8/28

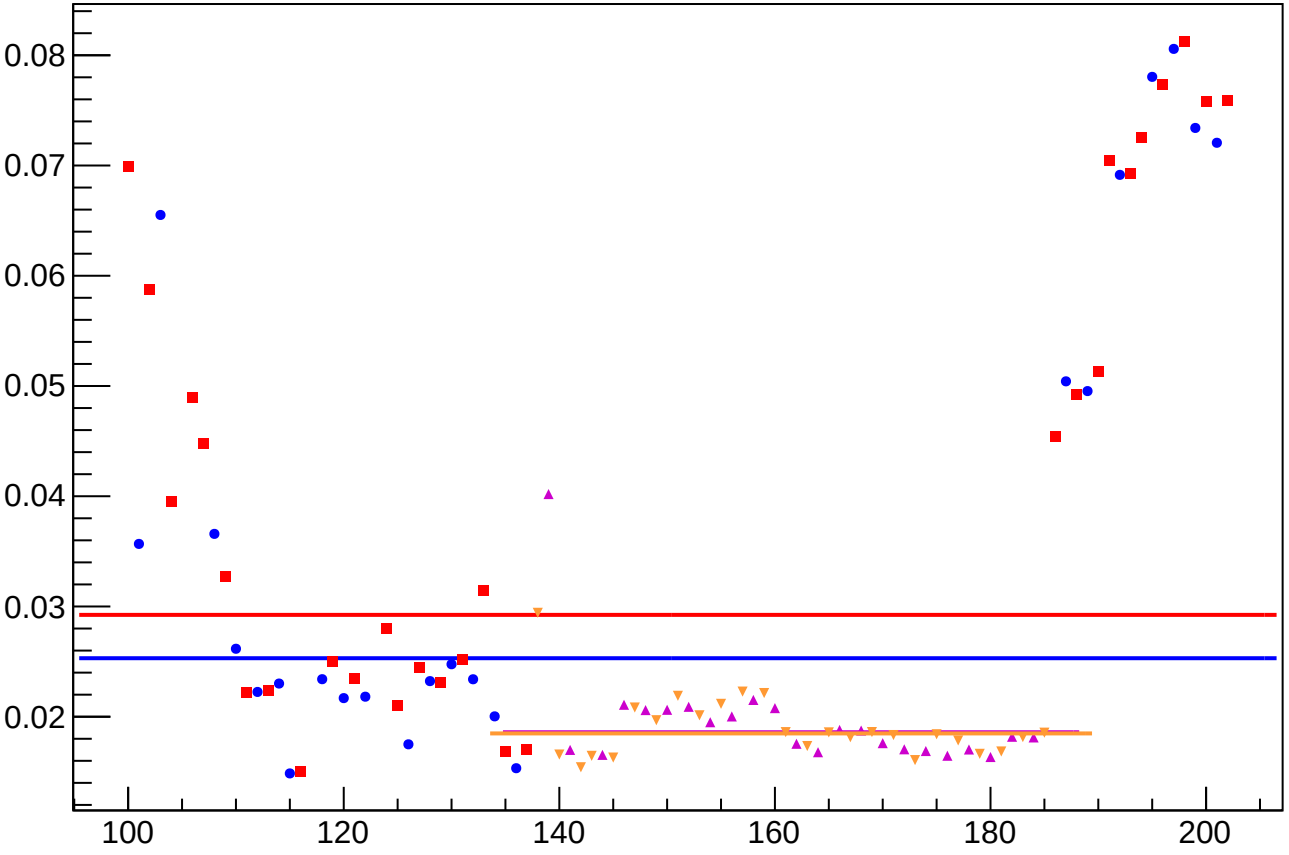
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.708+/-0.000 χ^2/NDF: 977397078.5/47

All: -0.706+/-0.000 χ^2/NDF: 1738519910.7/9

- sign -0.705+/-0.000 χ^2/NDF: 760800164.4/51

yield_bpm4aX_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF: 5550287.8/22

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.029+/-0.000 χ^2/NDF: 6363776.5/28

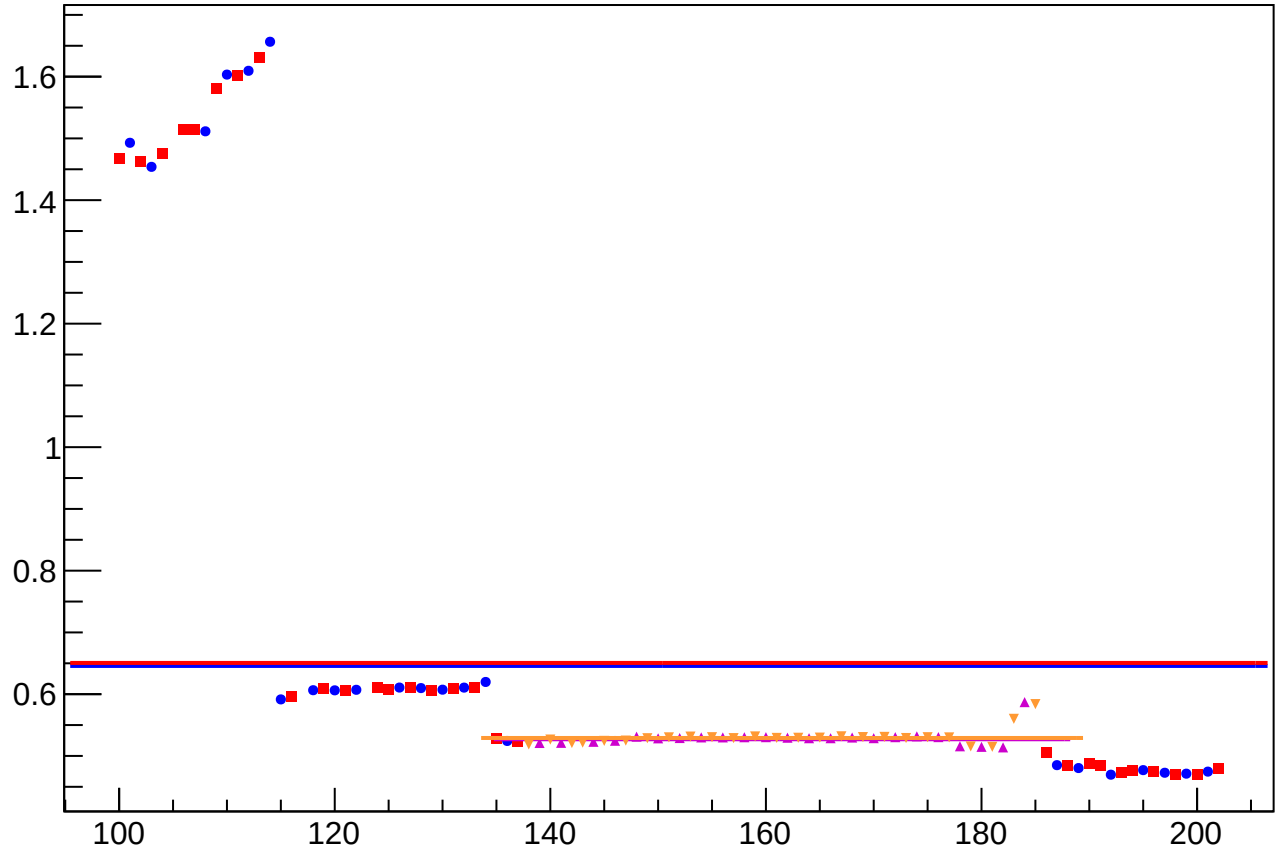
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 6965869.1/47

All: 0.020+/-0.000 χ^2/NDF: 16182939.0/99

- sign 0.021+/-0.000 χ^2/NDF: 9170093.7/51

yield_bpm4aY_mean vs Slug



Right In: 0.646+/-0.000 χ^2/NDF: 5321574898.8/22

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.651+/-0.000 χ^2/NDF: 6343105924.8/28

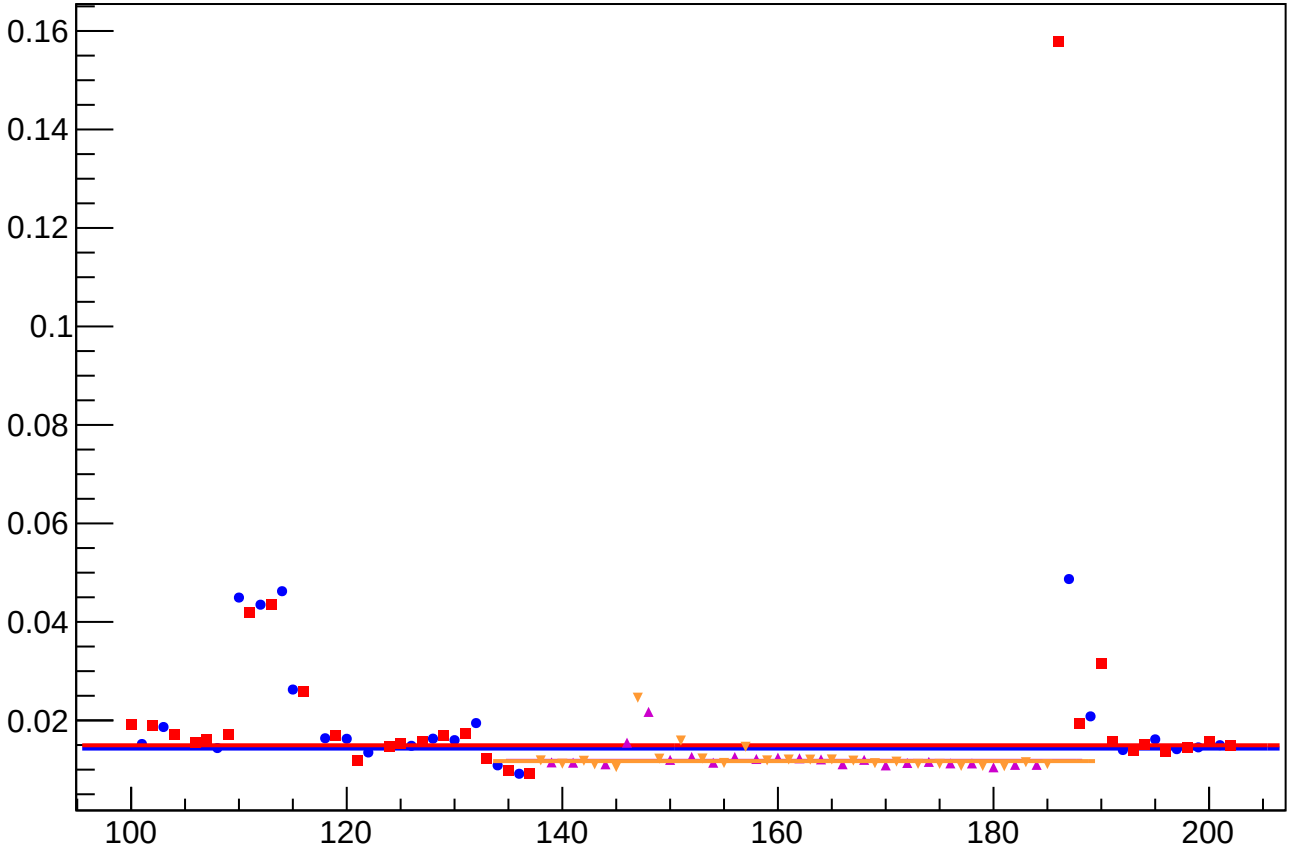
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.562+/-0.000 χ^2/NDF: 5849469251.5/47

All: 0.563+/-0.000 χ^2/NDF: 12801034473.3/9

- sign 0.565+/-0.000 χ^2/NDF: 6950513595.1/51

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1962746.9/22

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2382077.5/28

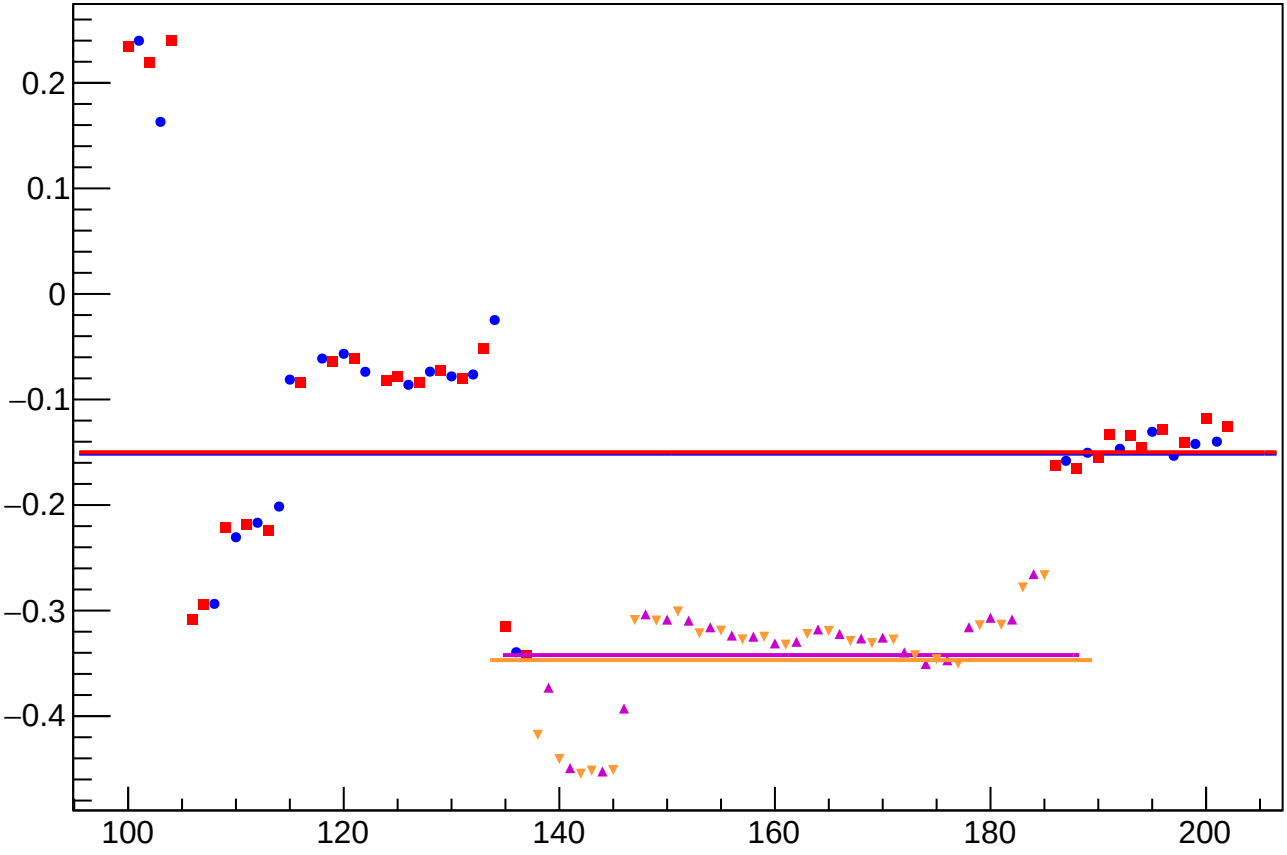
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 3149192.8/47

All: 0.013+/-0.000 χ^2/NDF: 6845522.9/99

- sign 0.013+/-0.000 χ^2/NDF: 3677710.5/51

yield_bpm4eX_mean vs Slug



Right In: -0.151+/-0.000 χ^2/NDF: 276902880.0/22

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 199931923.3/28

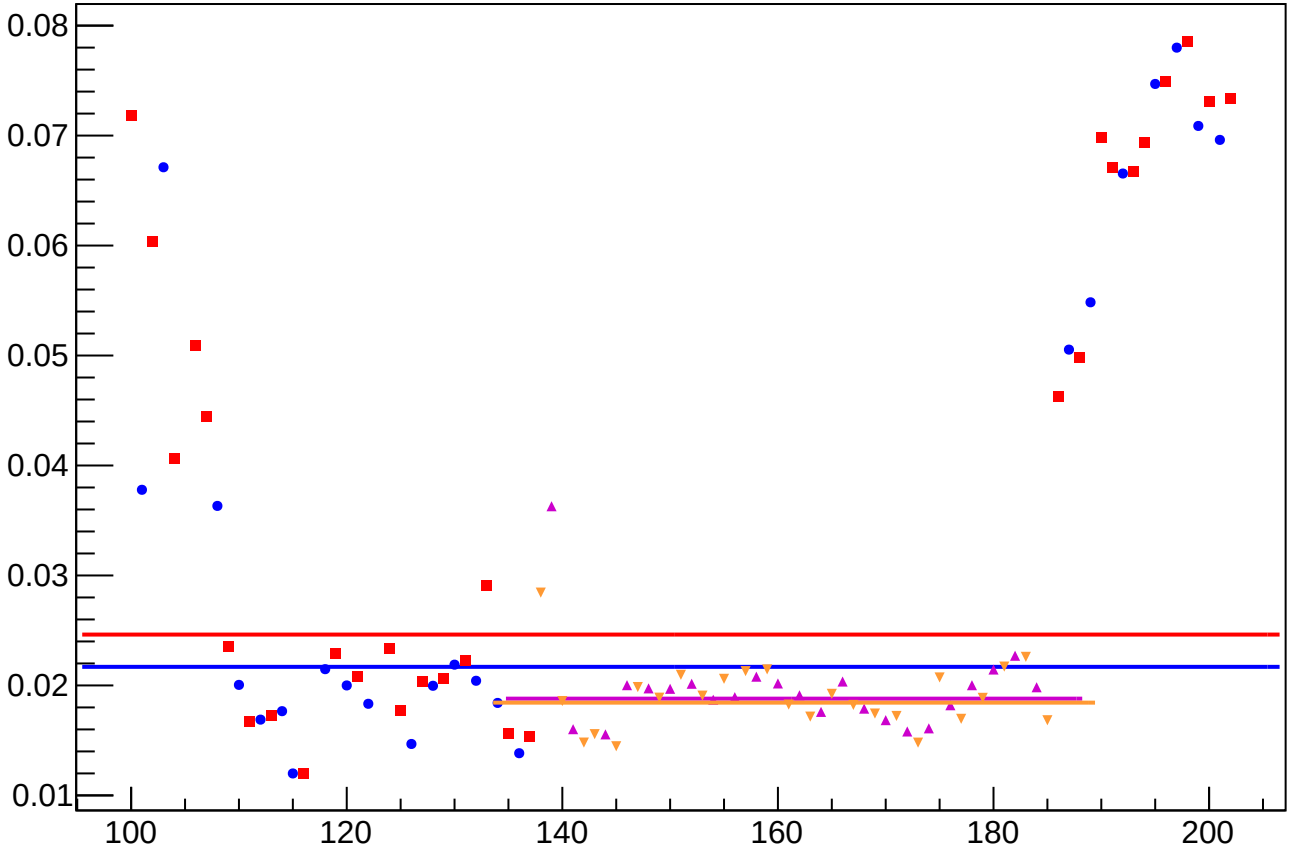
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.296+/-0.000 χ^2/NDF: 868738337.4/47

All: -0.294+/-0.000 χ^2/NDF: 1573745512.7/9

- sign -0.291+/-0.000 χ^2/NDF: 704346893.7/51

yield_bpm4eX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 6334774.0/22

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.025+/-0.000 χ^2/NDF: 7659824.9/28

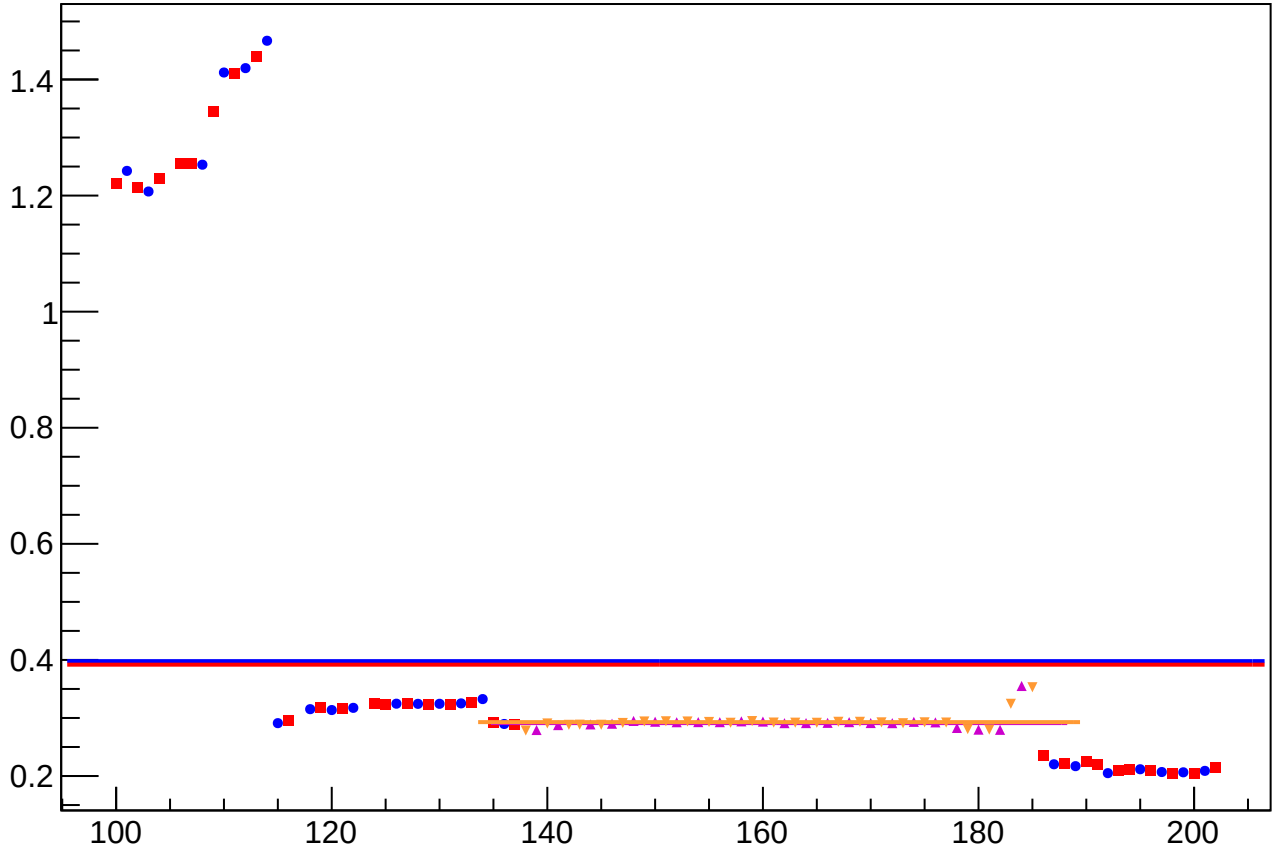
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 7232814.8/47

All: 0.020+/-0.000 χ^2/NDF: 16444247.1/99

- sign 0.020+/-0.000 χ^2/NDF: 9143775.7/51

yield_bpm4eY_mean vs Slug



Right In: 0.398+/-0.000 χ^2/NDF: 7885497727.7/22

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.392+/-0.000 χ^2/NDF: 8984335254.0/28

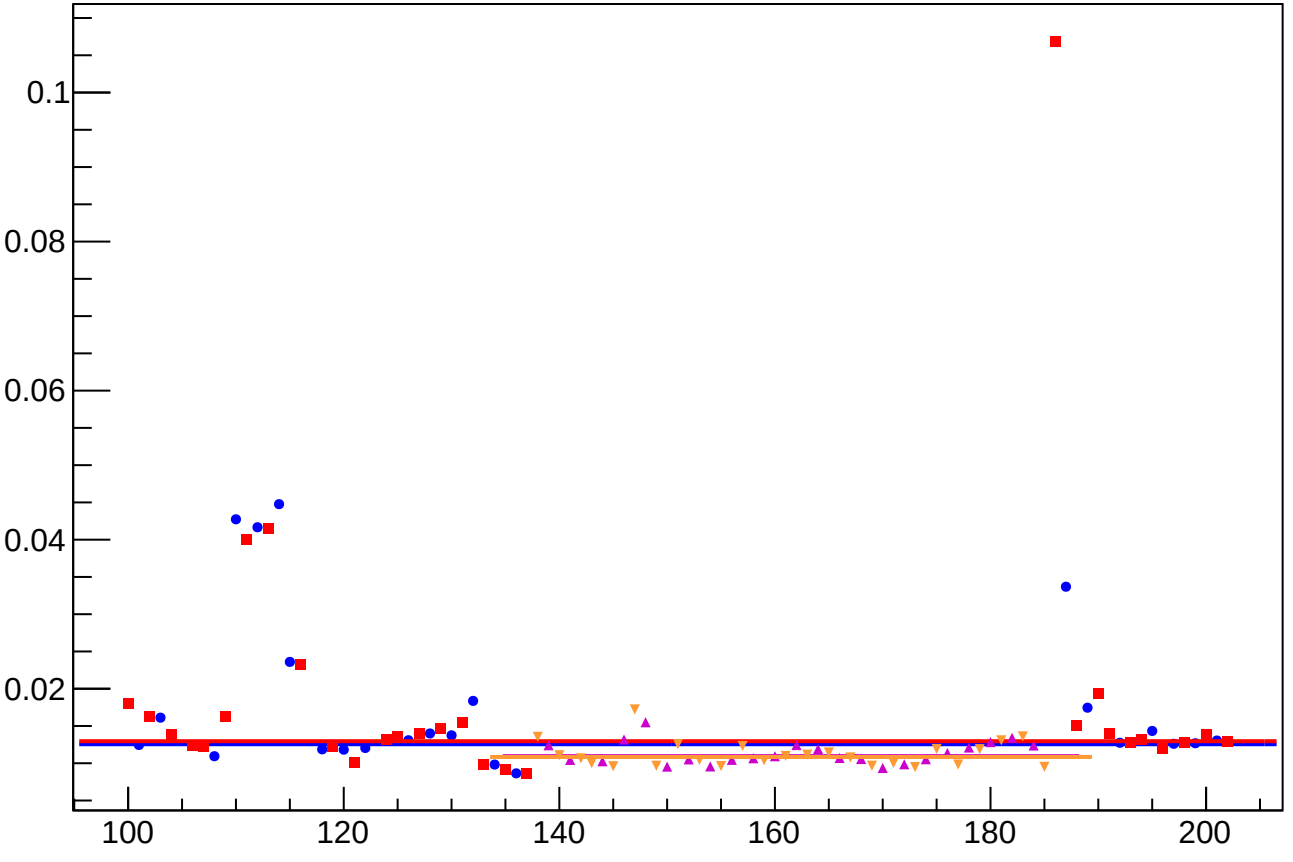
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.325+/-0.000 χ^2/NDF: 8425190111.0/47

All: 0.325+/-0.000 χ^2/NDF: 17919265946.9/9

- sign 0.325+/-0.000 χ^2/NDF: 9494019092.9/51

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1765455.2/22

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2164974.8/28

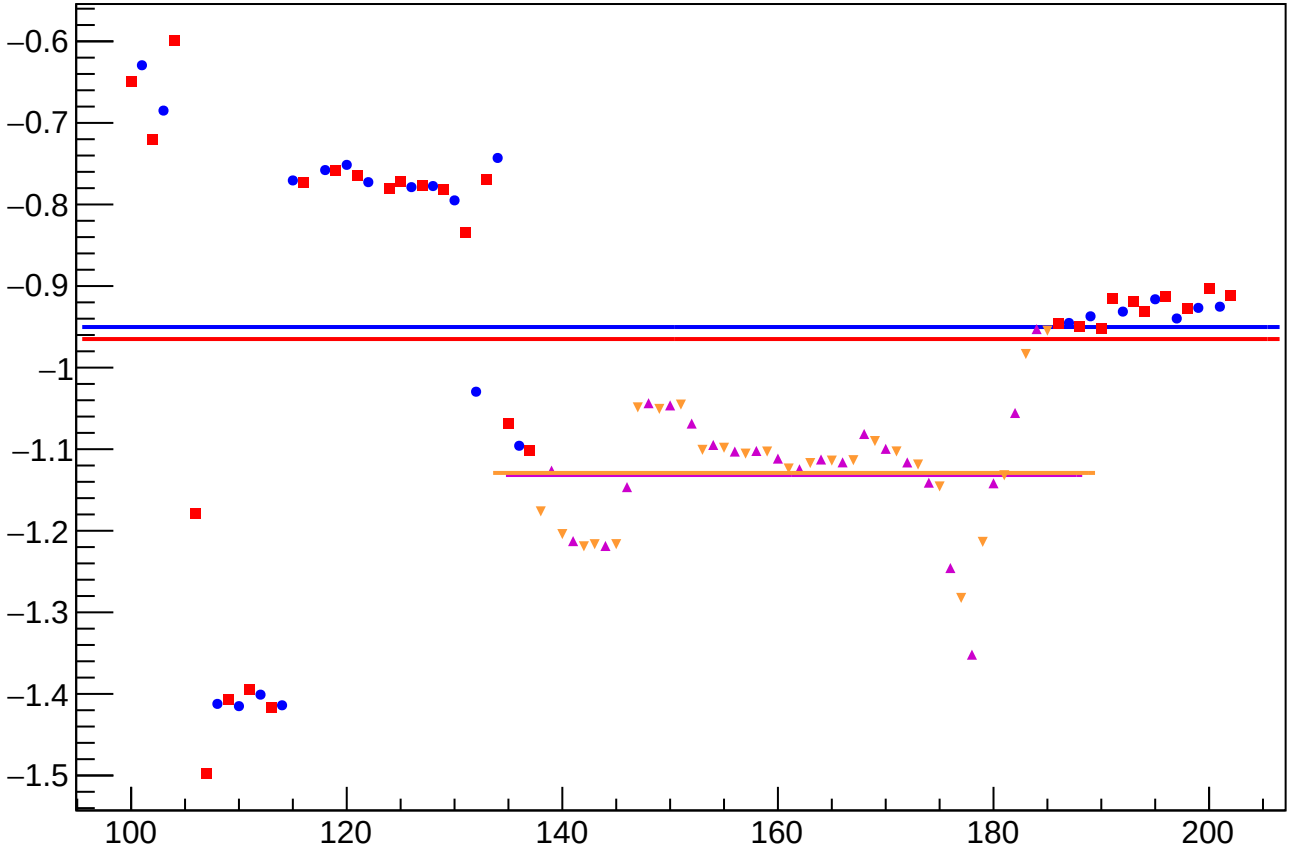
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2696064.9/47

All: 0.011+/-0.000 χ^2/NDF: 5785287.8/99

- sign 0.012+/-0.000 χ^2/NDF: 3072473.4/51

yield_bpm4acX_mean vs Slug



Right In: -0.950+/-0.000 χ^2/NDF: 699995678.6/22

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.965+/-0.000 χ^2/NDF: 717335414.0/28

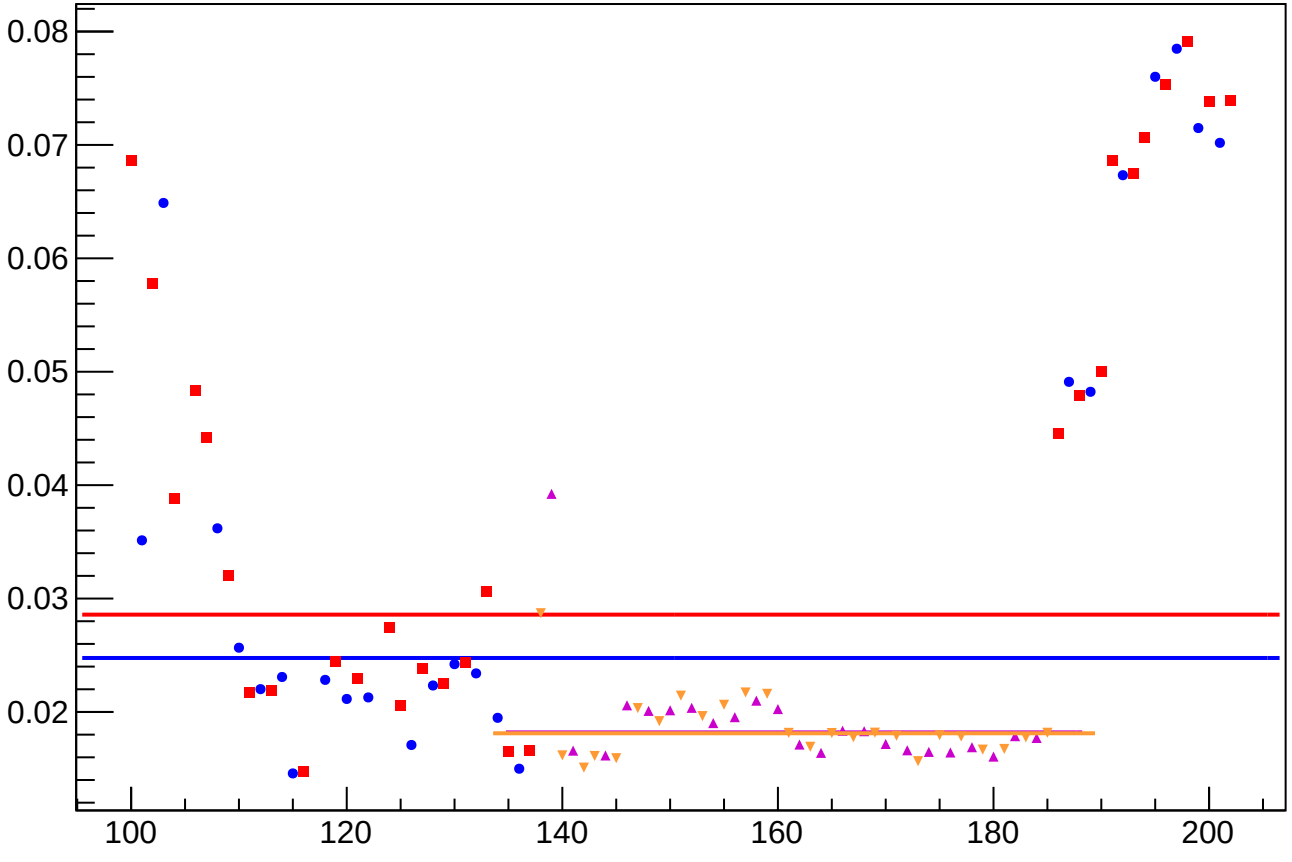
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.090+/-0.000 χ^2/NDF: 1269610396.4/47

All: -1.093+/-0.000 χ^2/NDF: 2512909793.5/9

- sign -1.096+/-0.000 χ^2/NDF: 1242353800.7/51

yield_bpm4acX_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF: 5543695.6/22

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.029+/-0.000 χ^2/NDF: 6347616.1/28

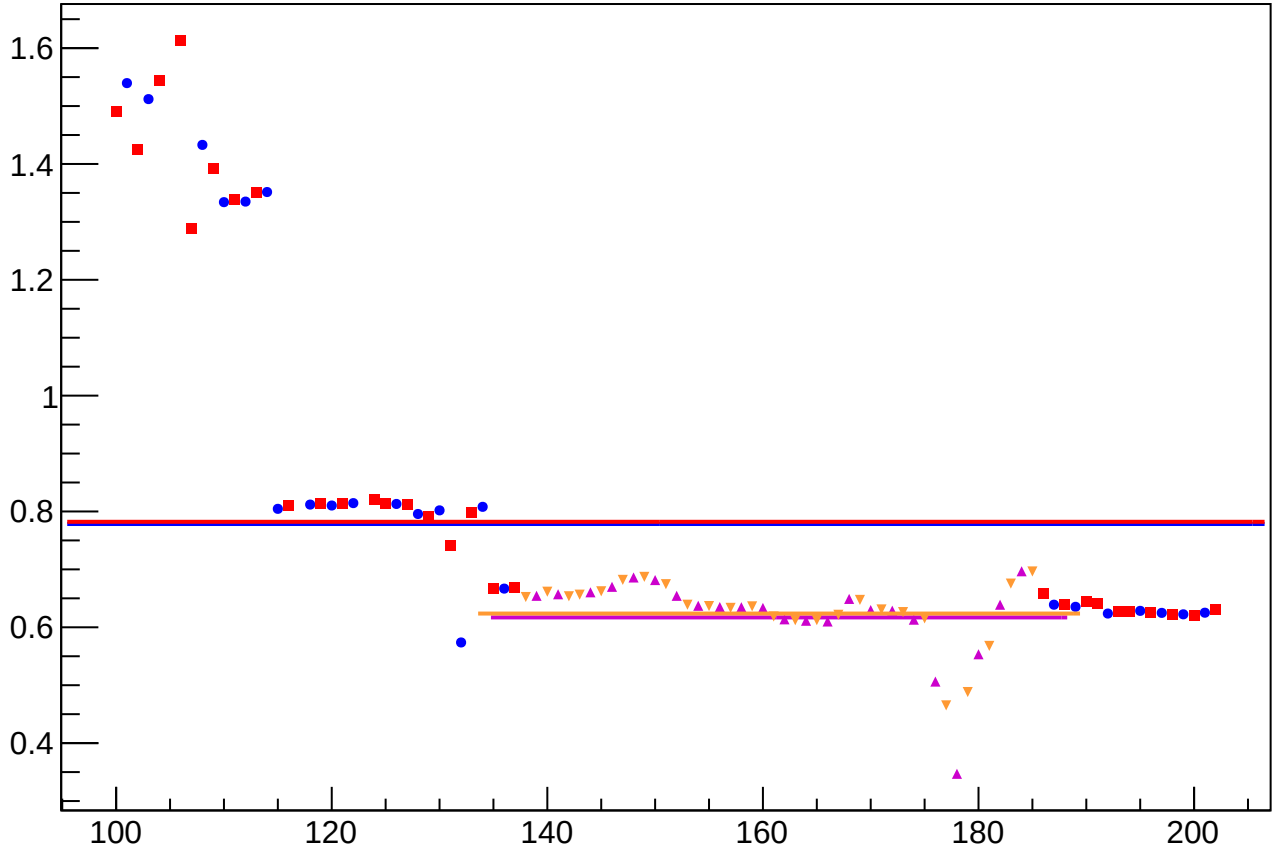
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 6931353.7/47

All: 0.020+/-0.000 χ^2/NDF: 16102215.3/99

- sign 0.020+/-0.000 χ^2/NDF: 9126918.0/51

yield_bpm4acY_mean vs Slug



Right In: 0.778+/-0.000 χ^2/NDF: 3606800000.3/22

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.782+/-0.000 χ^2/NDF: 4017004078.8/28

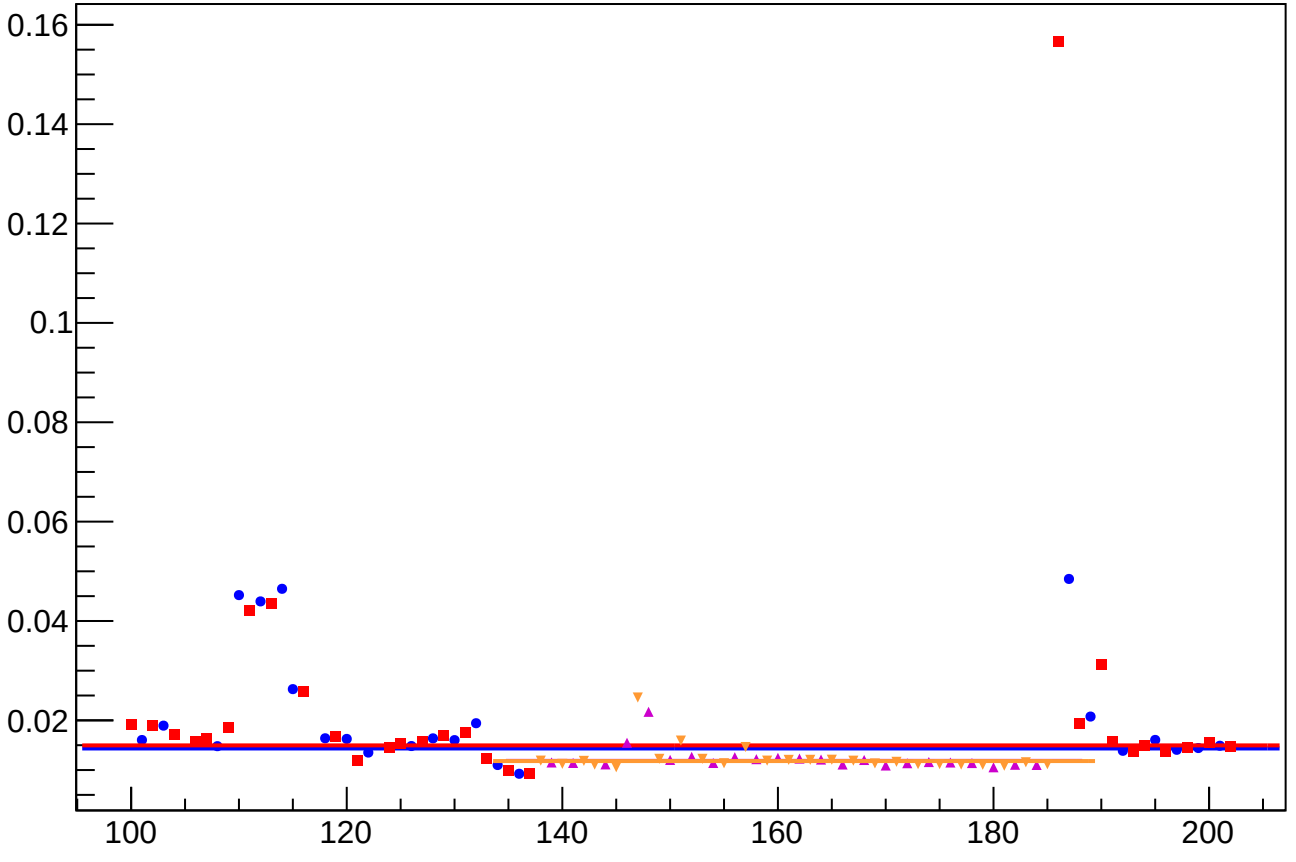
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.667+/-0.000 χ^2/NDF: 4895504908.6/47

All: 0.668+/-0.000 χ^2/NDF: 10613287057.0/9

- sign 0.668+/-0.000 χ^2/NDF: 5717680633.7/51

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1946740.6/22

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2386364.4/28

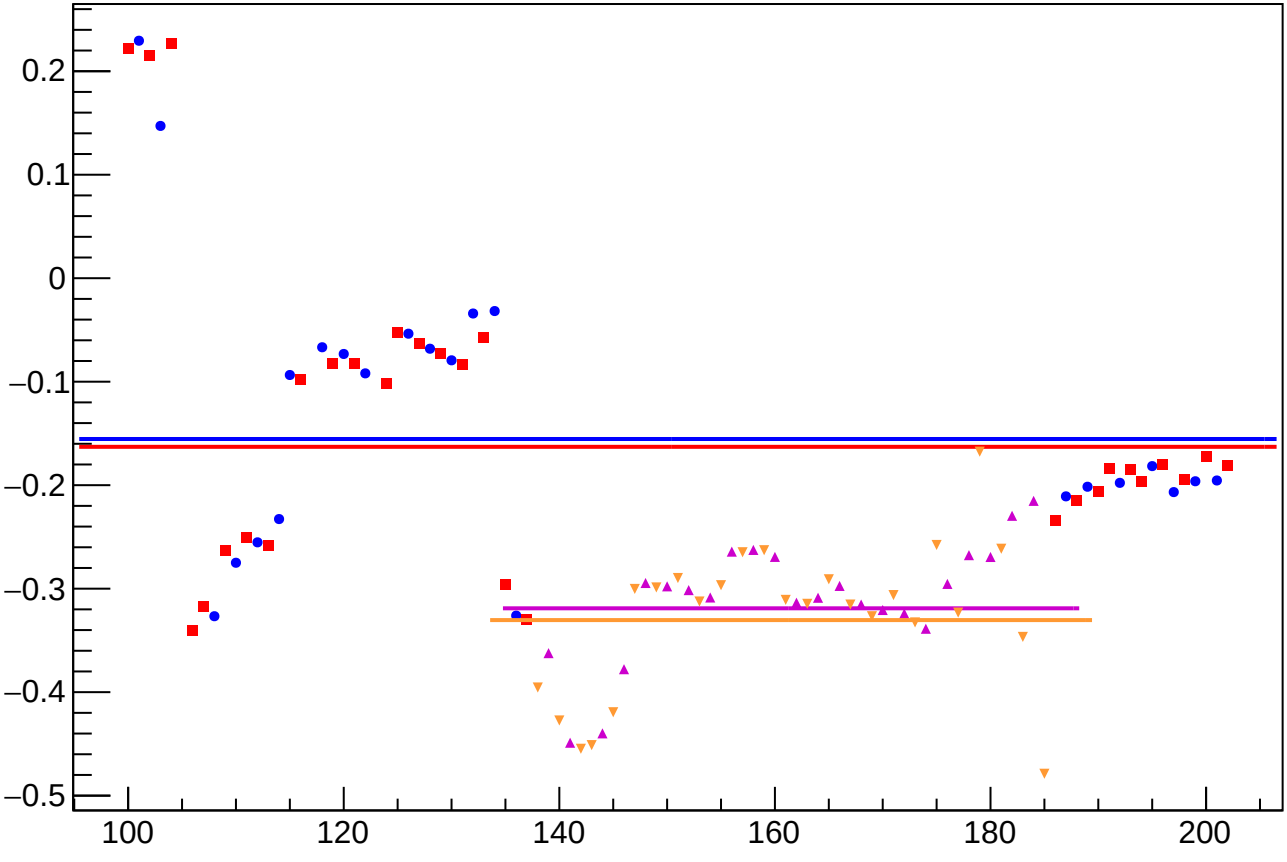
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3097708.6/47

All: 0.013+/-0.000 χ^2/NDF: 6759523.1/99

- sign 0.013+/-0.000 χ^2/NDF: 3646298.4/51

yield_bpm4ecX_mean vs Slug



Right In: -0.155+/-0.000 χ^2/NDF: 276310914.4/22

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.163+/-0.000 χ^2/NDF: 198380811.5/28

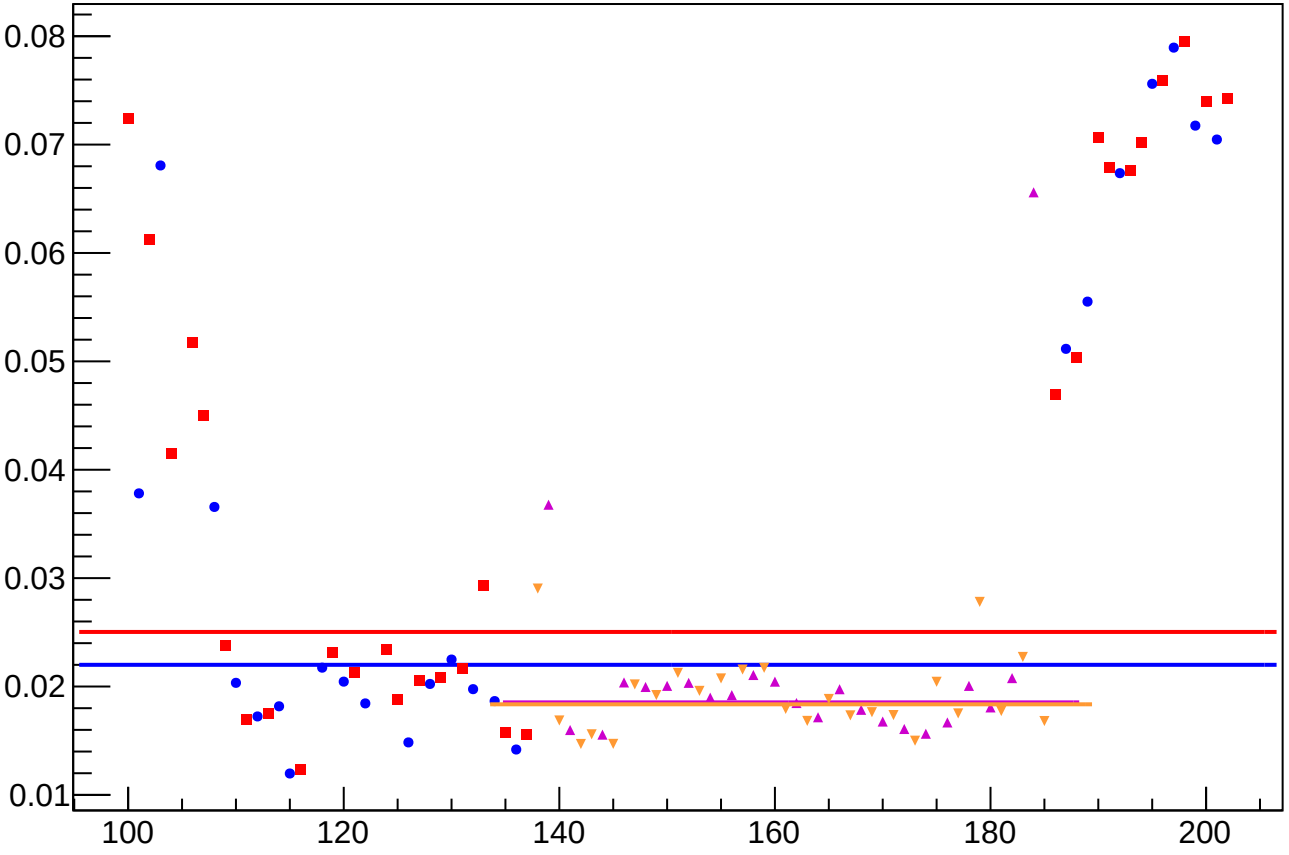
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.285+/-0.000 χ^2/NDF: 822568352.4/47

All: -0.282+/-0.000 χ^2/NDF: 1420622827.8/9

- sign -0.278+/-0.000 χ^2/NDF: 596845473.2/51

yield_bpm4ecX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 6303229.2/22

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.025+/-0.000 χ^2/NDF: 7616738.1/28

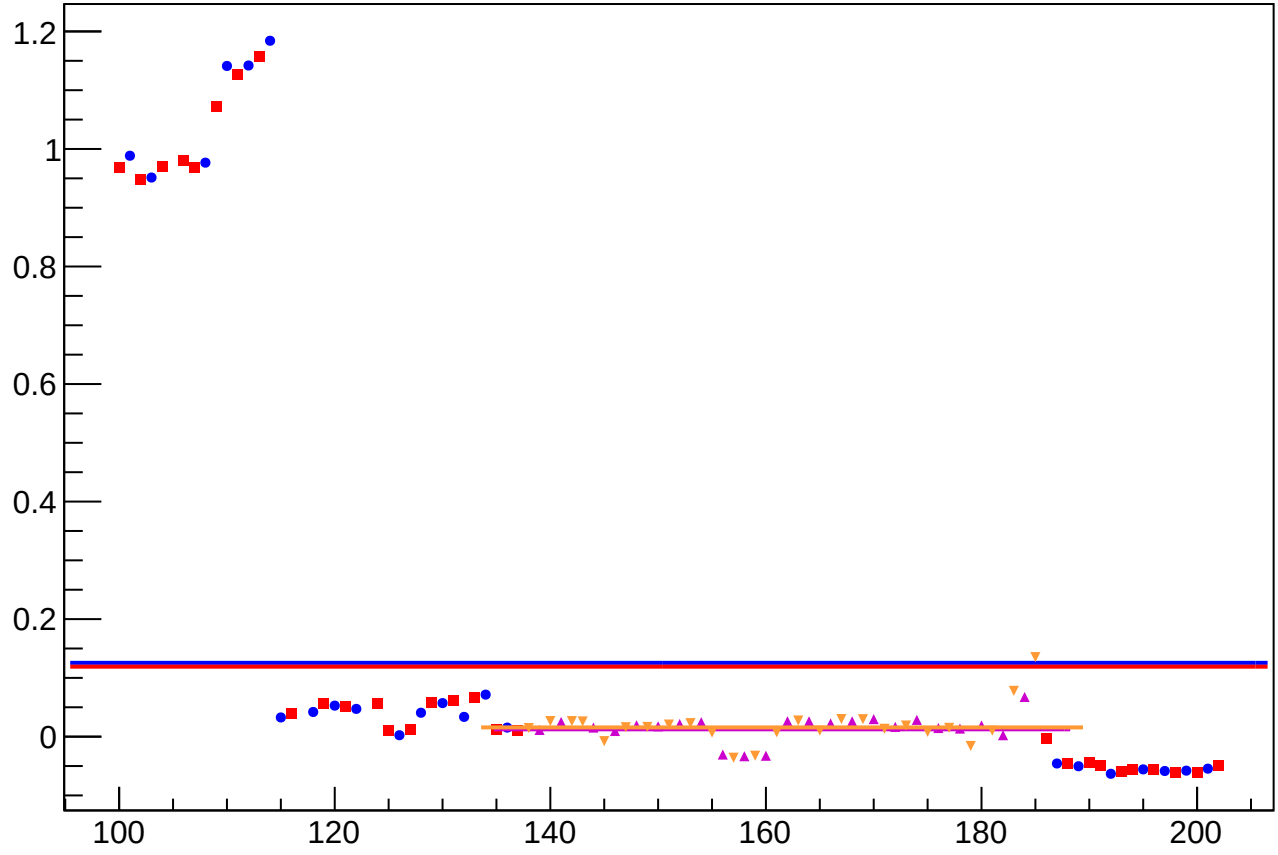
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 7355781.5/47

All: 0.020+/-0.000 χ^2/NDF: 16885352.7/99

- sign 0.020+/-0.000 χ^2/NDF: 9479591.0/51

yield_bpm4ecY_mean vs Slug



Right In: 0.126+/-0.000 χ^2/NDF: 7980534488.6/22

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.119+/-0.000 χ^2/NDF: 8885753240.6/28

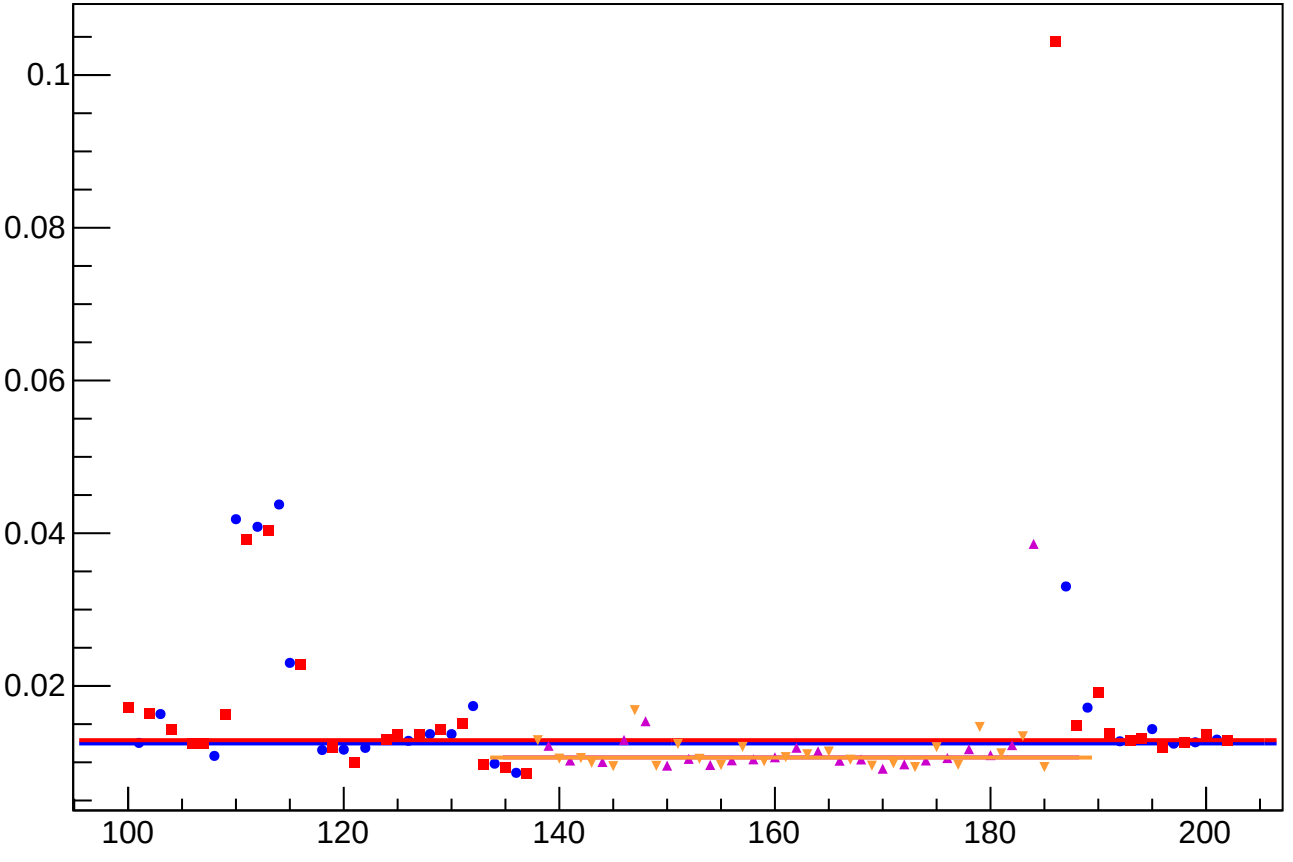
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.049+/-0.000 χ^2/NDF: 8664682848.3/47

All: 0.049+/-0.000 χ^2/NDF: 18180493001.1/9

- sign 0.048+/-0.000 χ^2/NDF: 9515717197.4/51

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1731206.0/22

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2109414.0/28

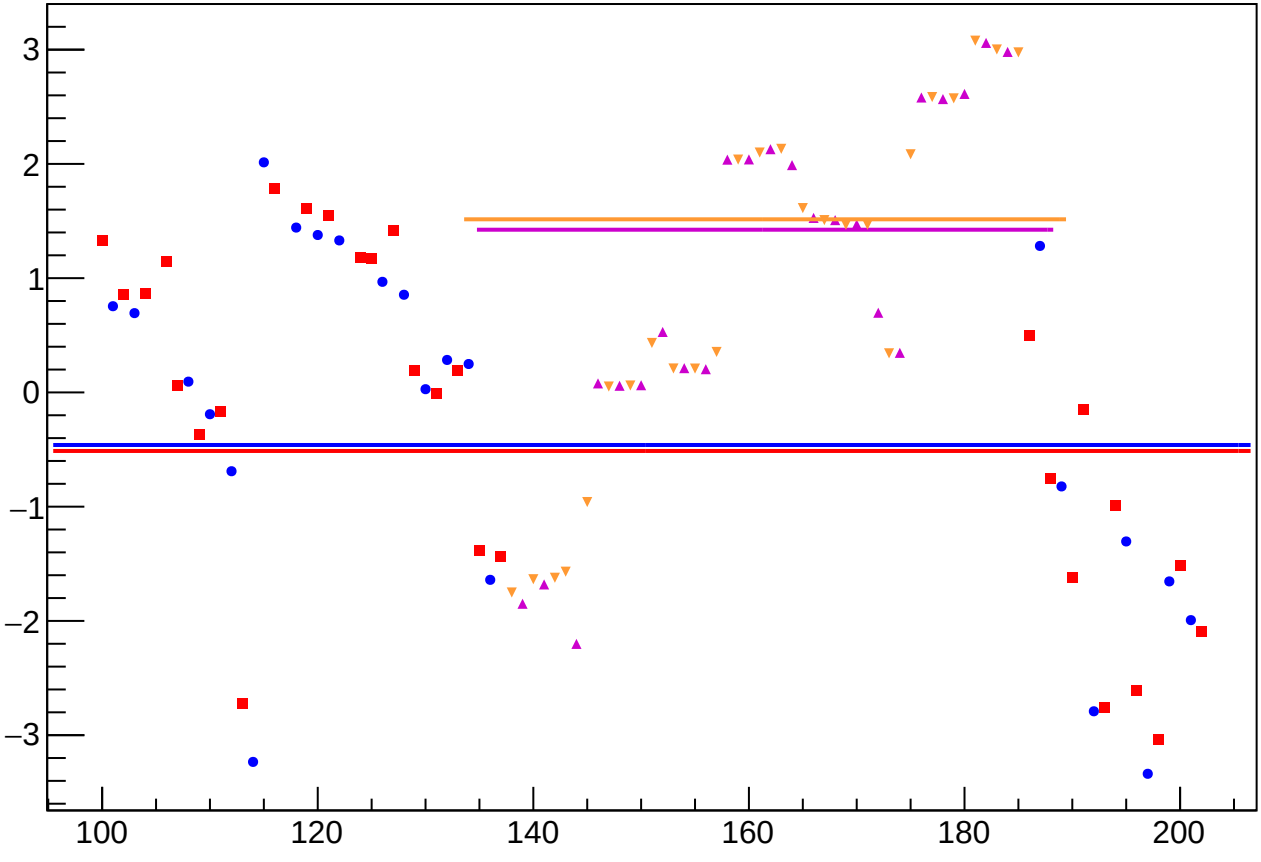
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2681124.2/47

All: 0.011+/-0.000 χ^2/NDF: 5884762.1/99

- sign 0.011+/-0.000 χ^2/NDF: 3193248.3/51

yield_bpm1X_mean vs Slug



Right In: -0.460+/-0.000 χ^2/NDF: 6428812573.2/22

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.512+/-0.000 χ^2/NDF: 6915747904.2/28

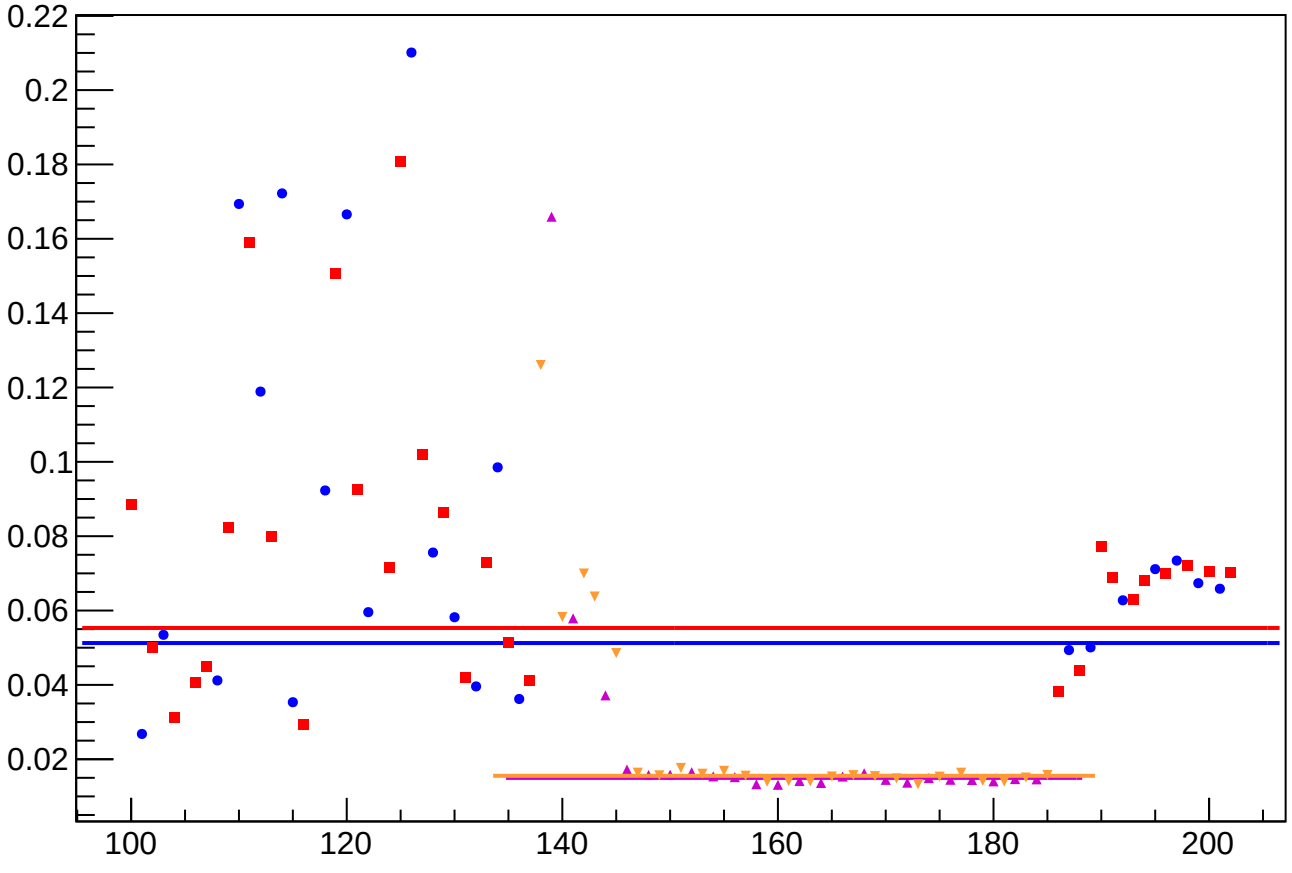
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.418+/-0.000 χ^2/NDF: 85872082900.7/47

All: 1.369+/-0.000 χ^2/NDF: 173527166248.7

- sign 1.321+/-0.000 χ^2/NDF: 87352439756.3/51

yield_bpm1X_rms vs Slug



Right In: 0.051+/-0.000 χ^2/NDF: 3505859.3/22

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

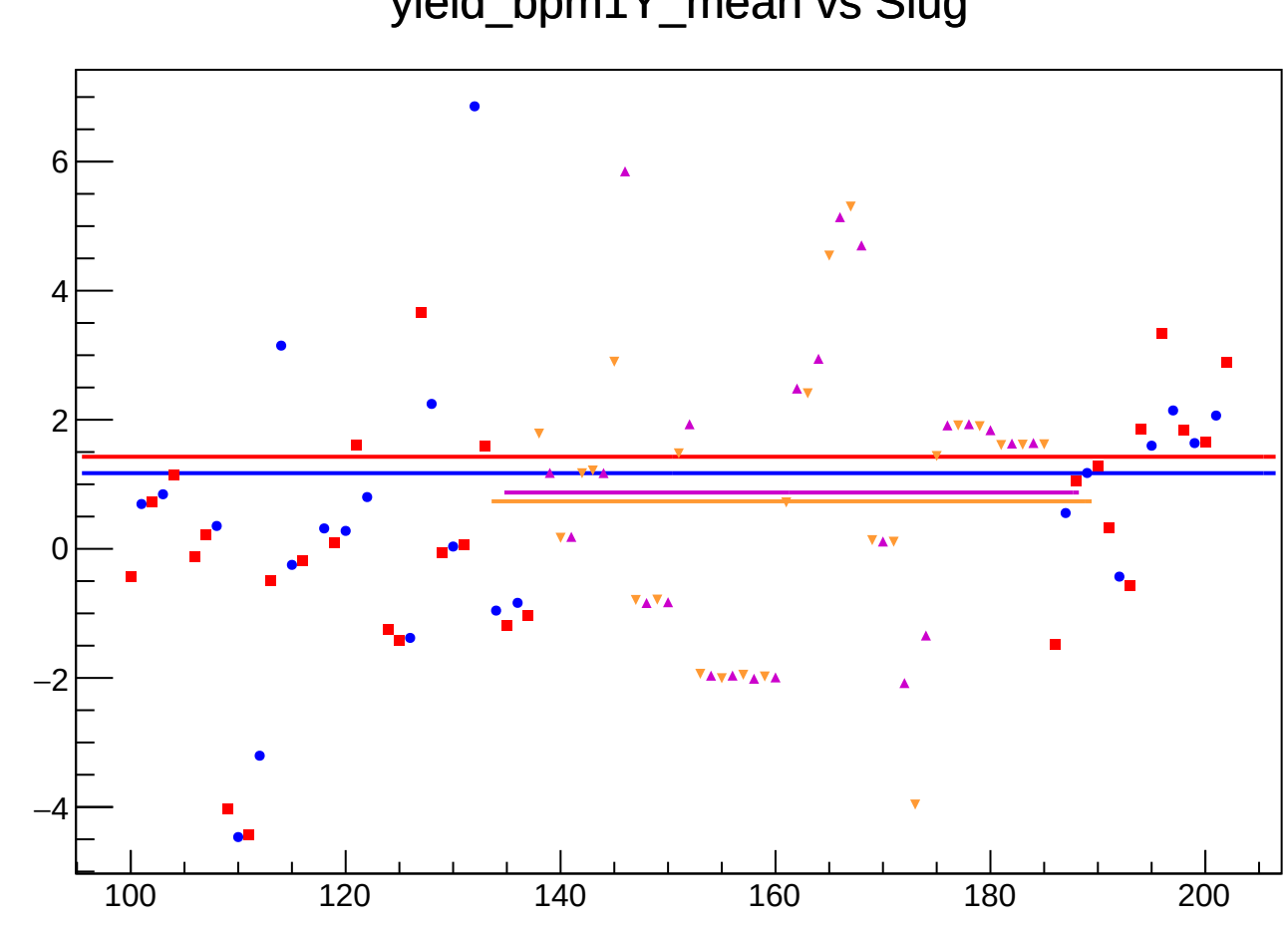
Right Out: 0.055+/-0.000 χ^2/NDF: 3140986.0/28

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.017+/-0.000 χ^2/NDF: 14108911.6/47

All: 0.017+/-0.000 χ^2/NDF: 30186761.6/99

- sign 0.017+/-0.000 χ^2/NDF: 16075656.1/51



Right In: 1.173+/-0.000 χ^2/NDF: 22196842866.7/22

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.427+/-0.000 χ^2/NDF: 30292814744.5/28

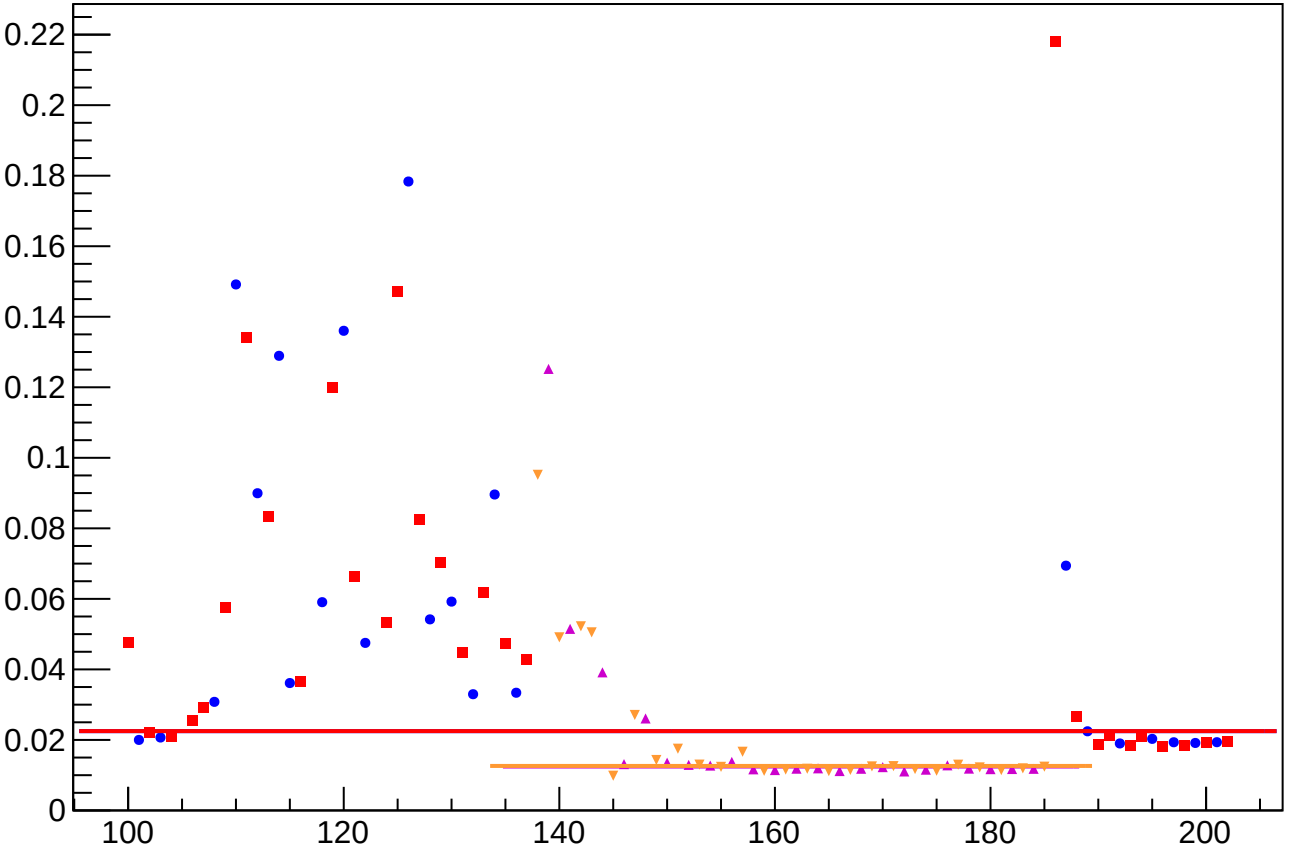
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.795+/-0.000 χ^2/NDF: 560667958713.0/47

All: 0.878+/-0.000 χ^2/NDF: 1217526212632.

- sign 0.960+/-0.000 χ^2/NDF: 655268007593.1/51

yield_bpm1Y_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 3960197.2/22

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.023+/-0.000 χ^2/NDF: 5071612.9/28

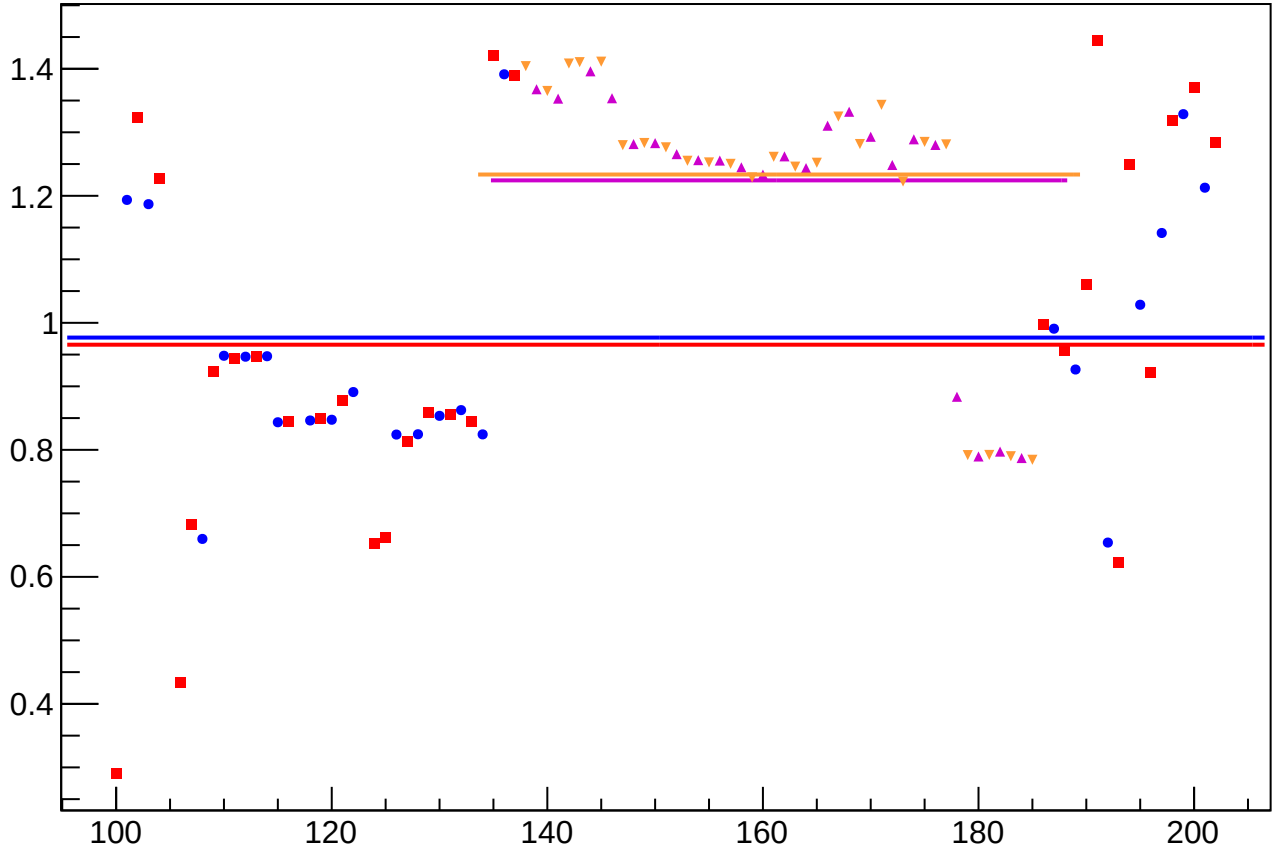
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9717390.6/47

All: 0.014+/-0.000 χ^2/NDF: 20707191.3/99

- sign 0.014+/-0.000 χ^2/NDF: 10988377.8/51

yield_bpm11X_mean vs Slug



Right In: 0.977+/-0.000 χ^2/NDF: 1741120752.2/22

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.966+/-0.000 χ^2/NDF: 2166537203.4/28

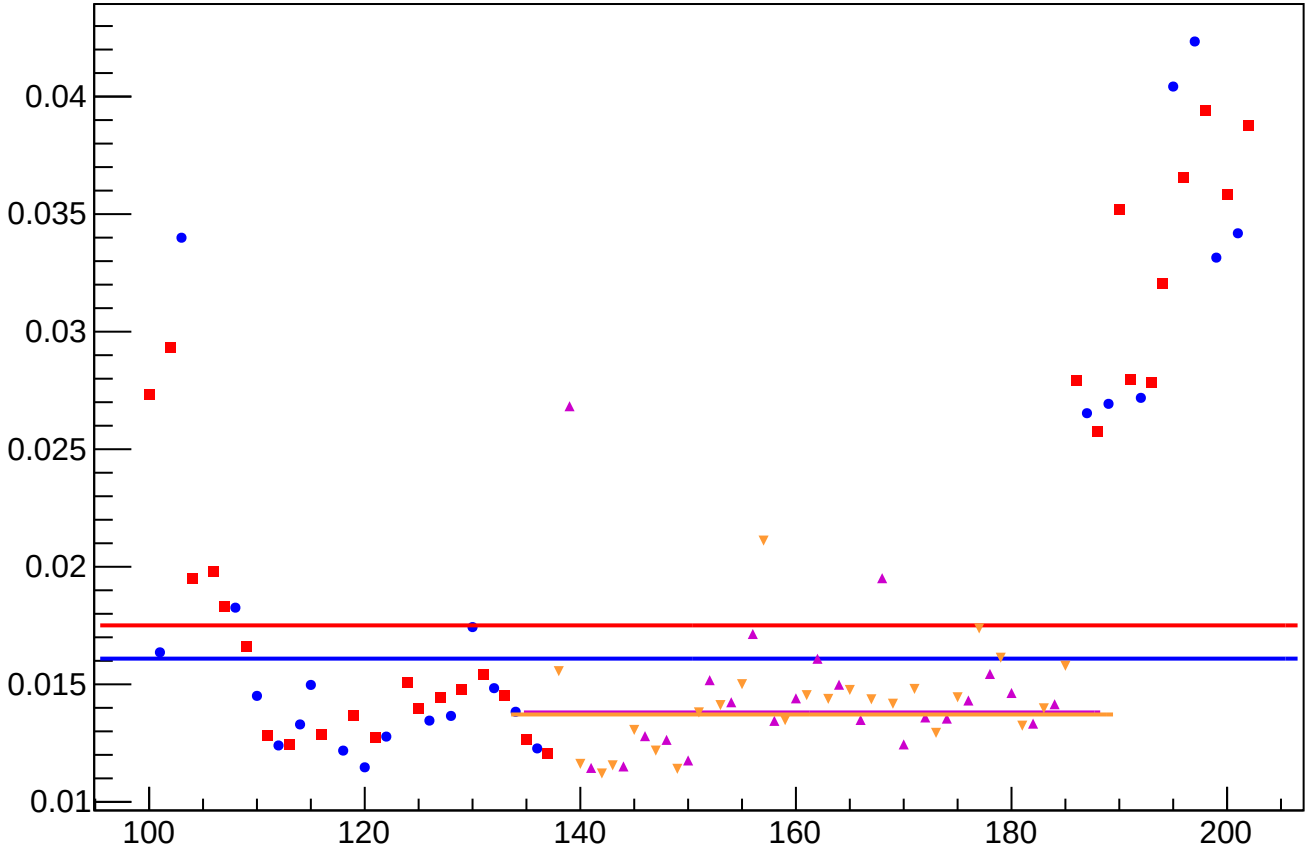
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.159+/-0.000 χ^2/NDF: 6511876760.8/47

All: 1.153+/-0.000 χ^2/NDF: 13072234593.3/9

- sign 1.146+/-0.000 χ^2/NDF: 6549741877.8/51

yield_bpm11X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 3492925.9/22

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.018+/-0.000 χ^2/NDF: 4005552.2/28

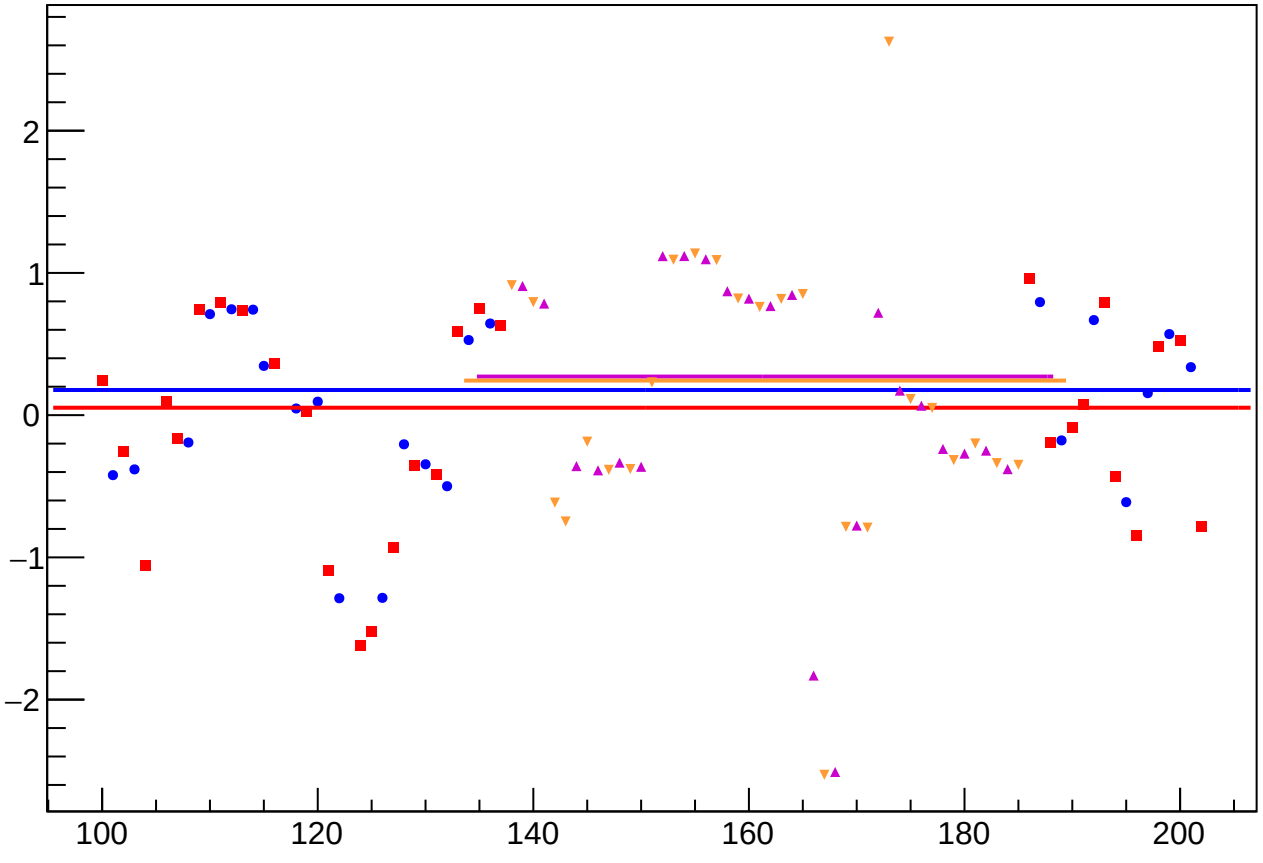
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 4339359.9/47

All: 0.015+/-0.000 χ^2/NDF: 9956909.4/99

- sign 0.015+/-0.000 χ^2/NDF: 5583988.6/51

yield_bpm11Y_mean vs Slug



Right In: 0.177+/-0.000 χ^2/NDF: 18222978106.1/22

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.052+/-0.000 χ^2/NDF: 32889628862.1/28

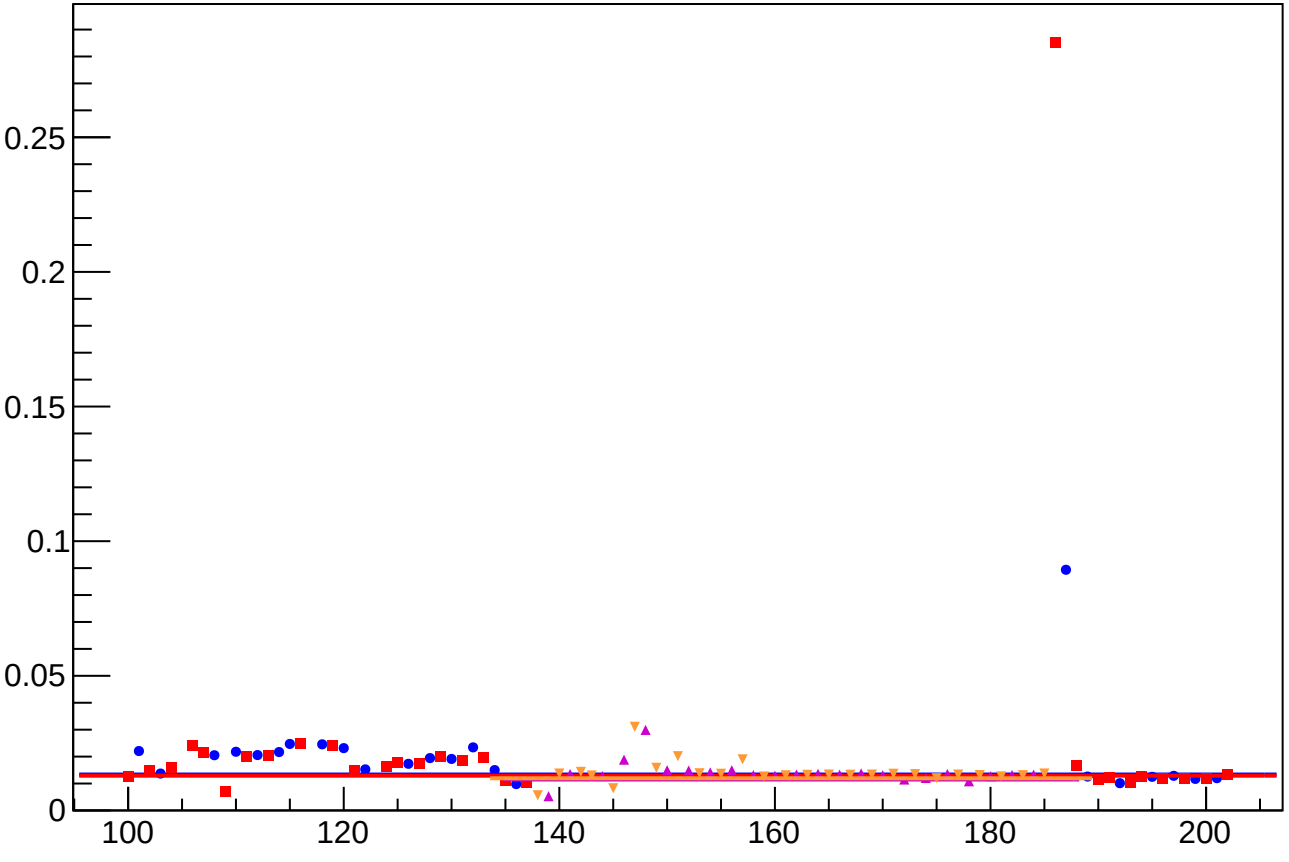
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.222+/-0.000 χ^2/NDF: 123984571288.1/47

All: 0.205+/-0.000 χ^2/NDF: 249585693000.9

- sign 0.189+/-0.000 χ^2/NDF: 125507847337.4/51

yield_bpm11Y_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2029713.6/22

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

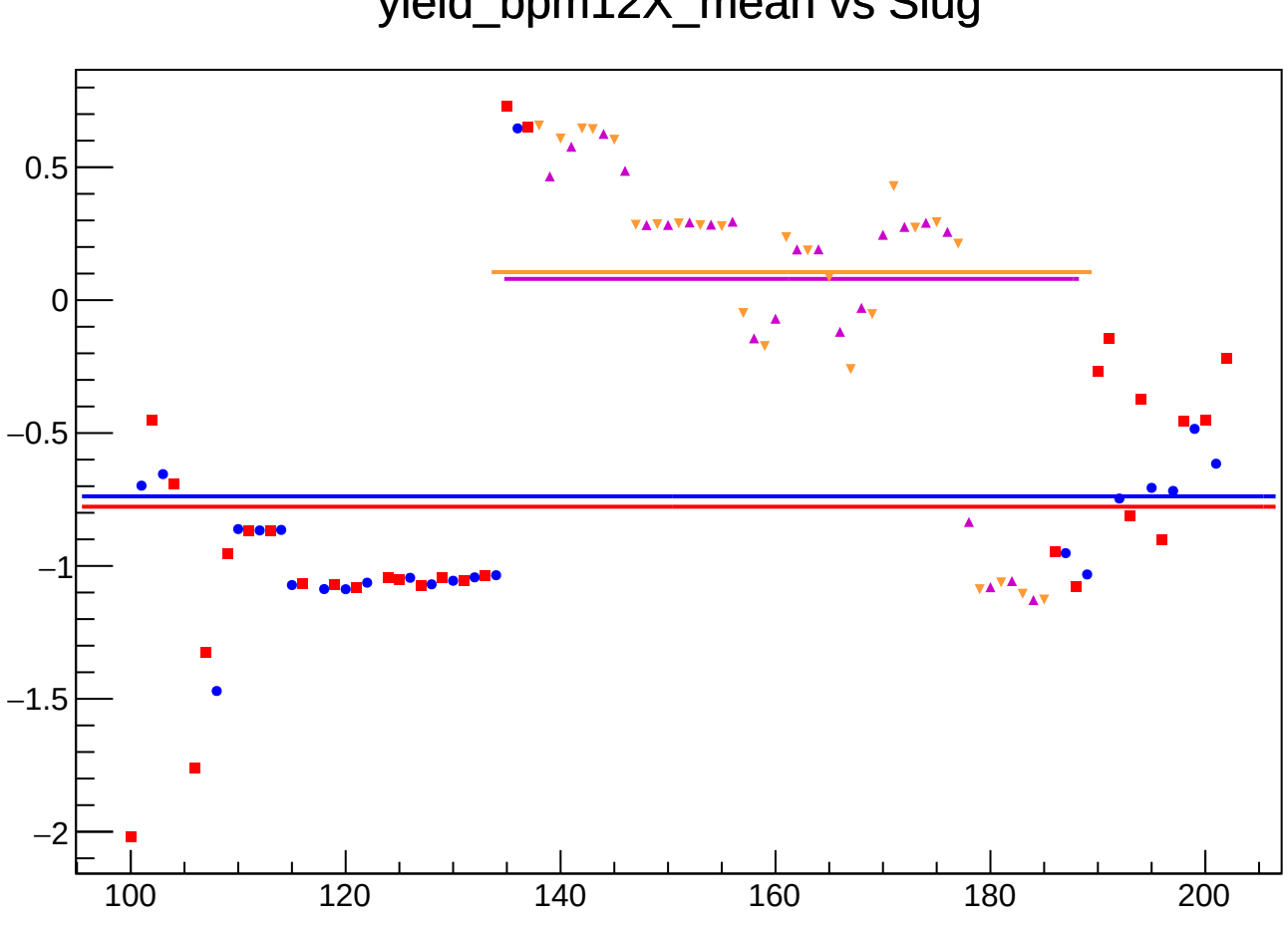
Right Out: 0.013+/-0.000 χ^2/NDF: 2672373.8/28

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5444537.1/47

All: 0.012+/-0.000 χ^2/NDF: 11993255.9/99

- sign 0.012+/-0.000 χ^2/NDF: 6521920.5/51



Right In: -0.738+/-0.000 χ^2/NDF: 2098752258.0/22

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.777+/-0.000 χ^2/NDF: 2032021754.9/28

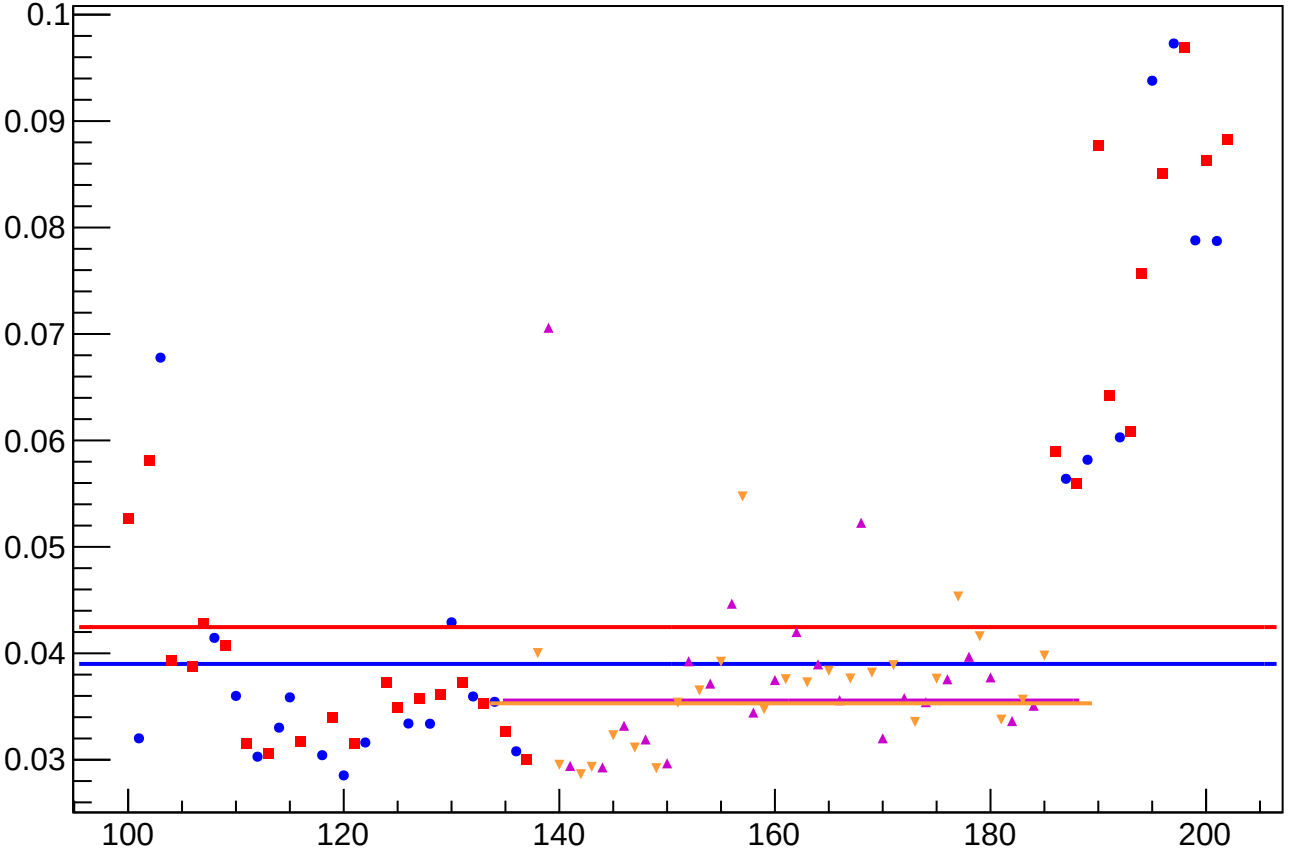
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.168+/-0.000 χ^2/NDF: 8991255830.7/47

All: -0.187+/-0.000 χ^2/NDF: 17451493652.6/

- sign -0.208+/-0.000 χ^2/NDF: 8444074404.4/51

yield_bpm12X_rms vs Slug



Right In: 0.039+/-0.000 χ^2/NDF: 3048049.0/22

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

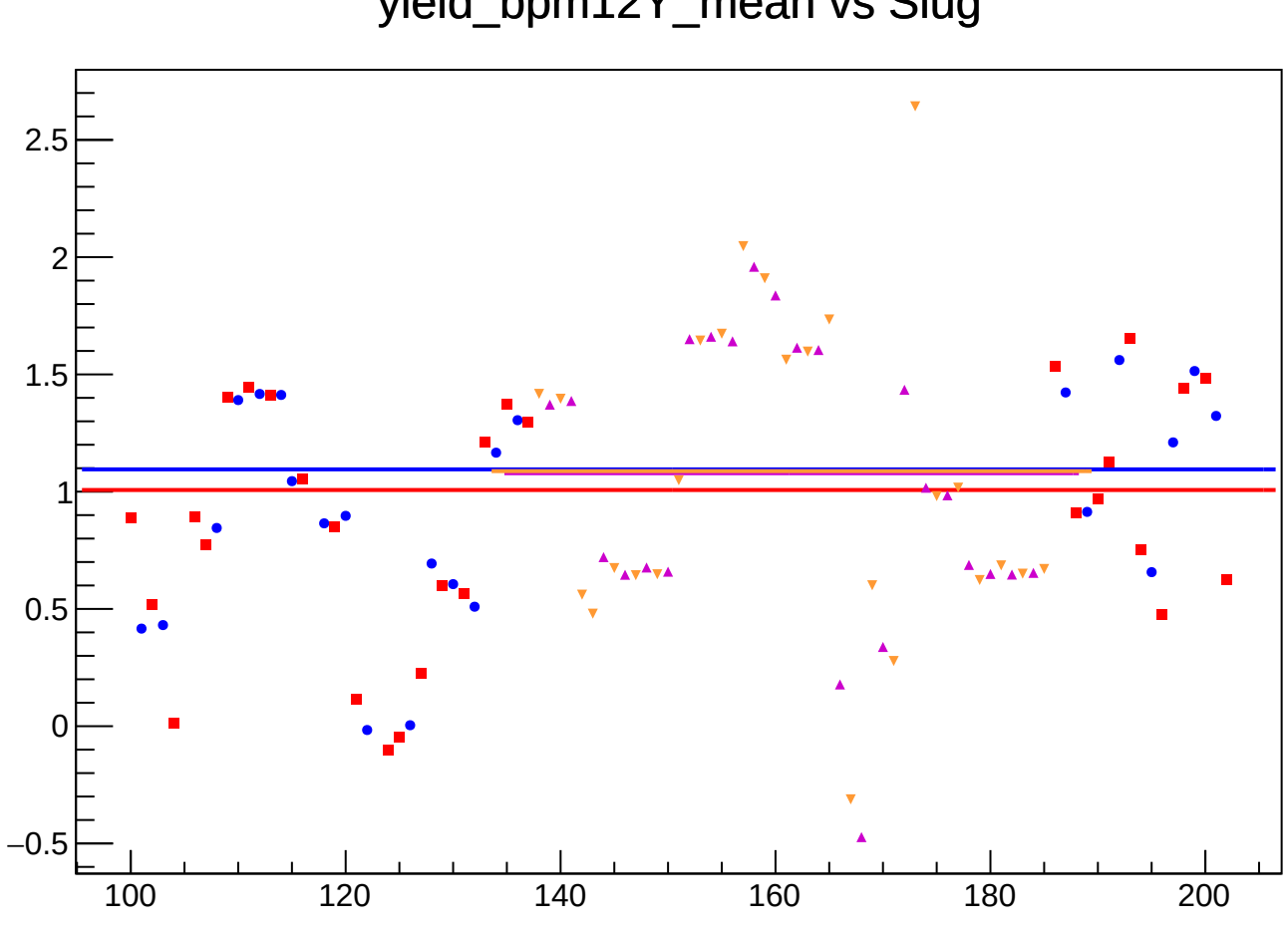
Right Out: 0.042+/-0.000 χ^2/NDF: 3455102.2/28

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.037+/-0.000 χ^2/NDF: 3780299.0/47

All: 0.037+/-0.000 χ^2/NDF: 8640561.0/99

- sign 0.038+/-0.000 χ^2/NDF: 4822920.8/51



Right In: 1.095+/-0.000 χ^2/NDF: 24067811314.0/22

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.007+/-0.000 χ^2/NDF: 34589815489.2/28

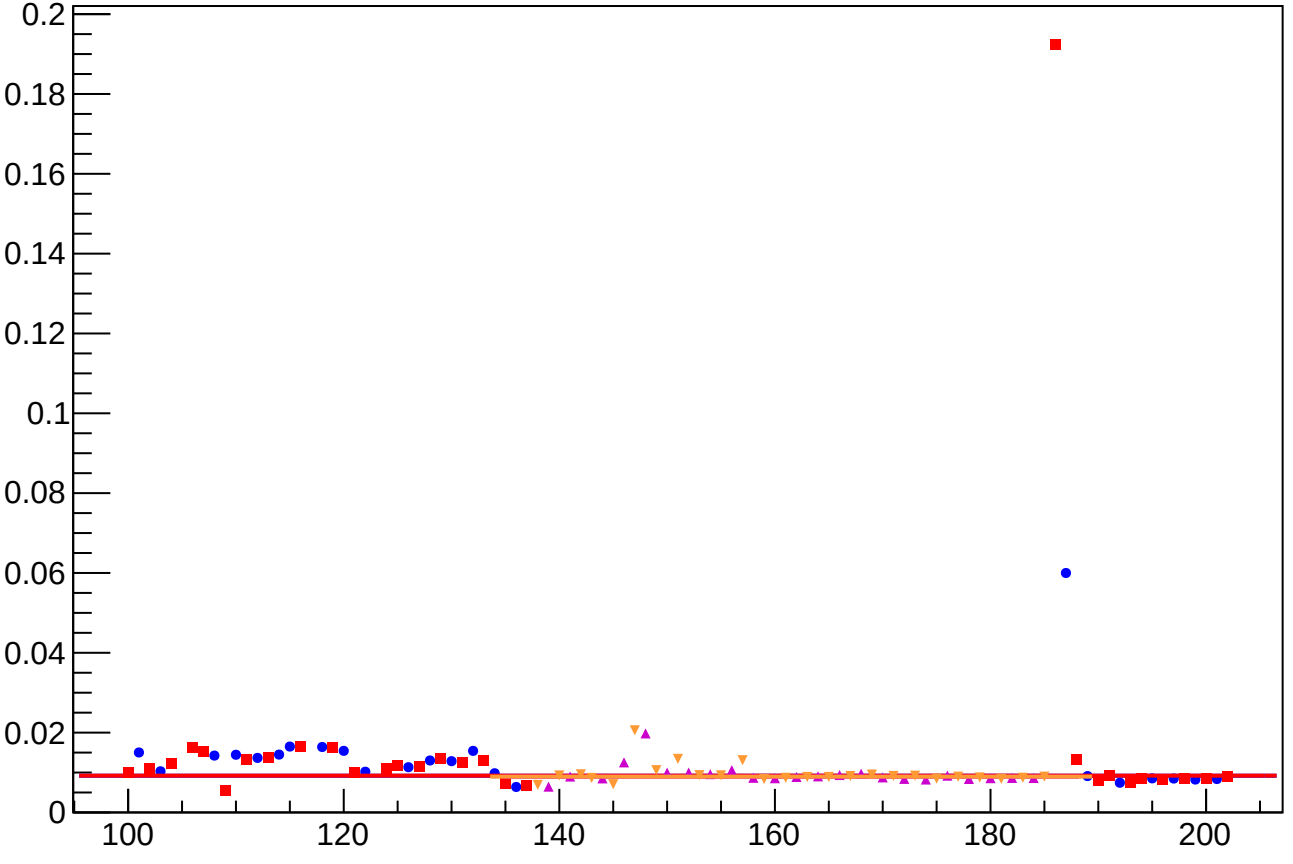
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.090+/-0.000 χ^2/NDF: 117923288130.0/47

All: 1.070+/-0.000 χ^2/NDF: 227317204851.9

- sign 1.050+/-0.000 χ^2/NDF: 109107399049.0/51

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1913728.1/22

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2383271.6/28

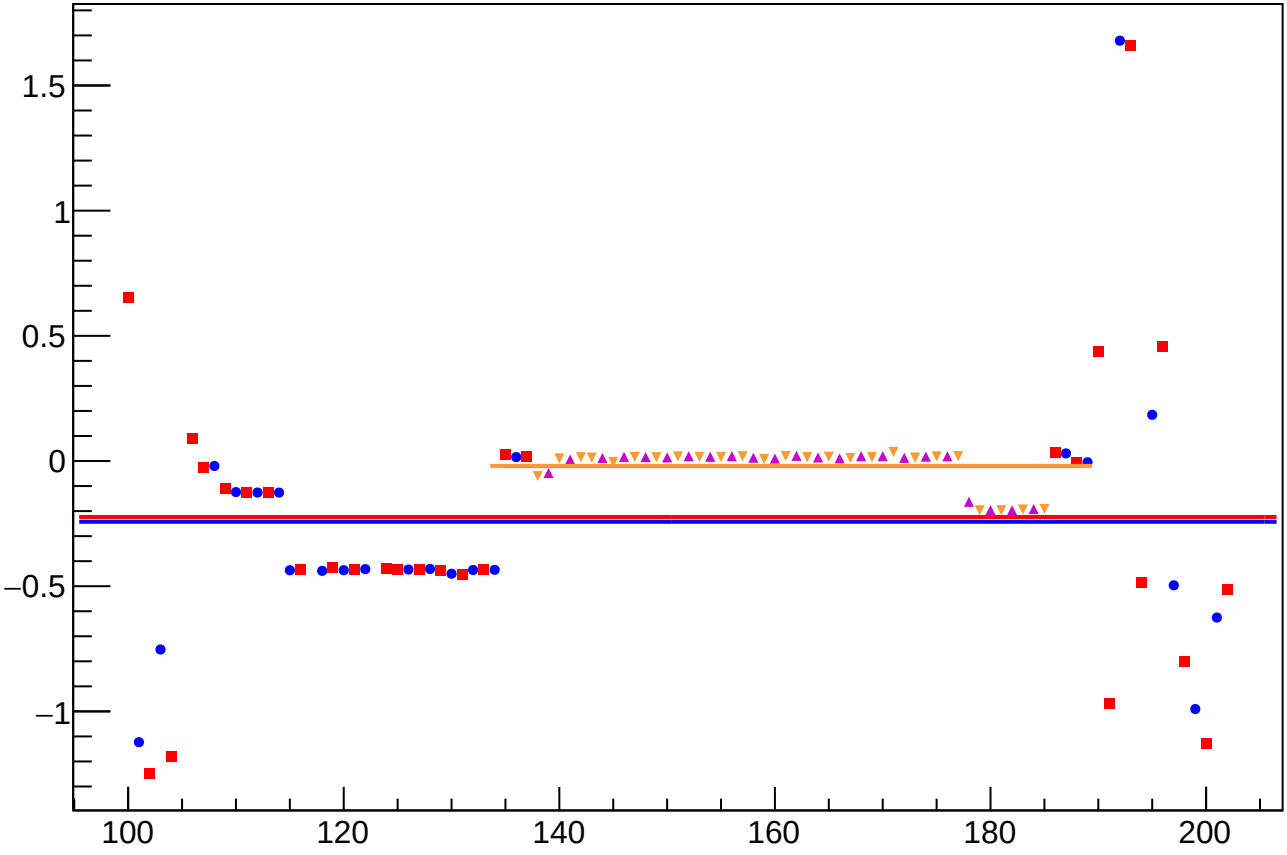
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3068165.4/47

All: 0.009+/-0.000 χ^2/NDF: 6430723.8/99

- sign 0.009+/-0.000 χ^2/NDF: 3362551.6/51

yield_bpm16X_mean vs Slug



Right In: -0.243+/-0.000 χ^2/NDF: 3174546138.6/22

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.224+/-0.000 χ^2/NDF: 2910216890.6/28

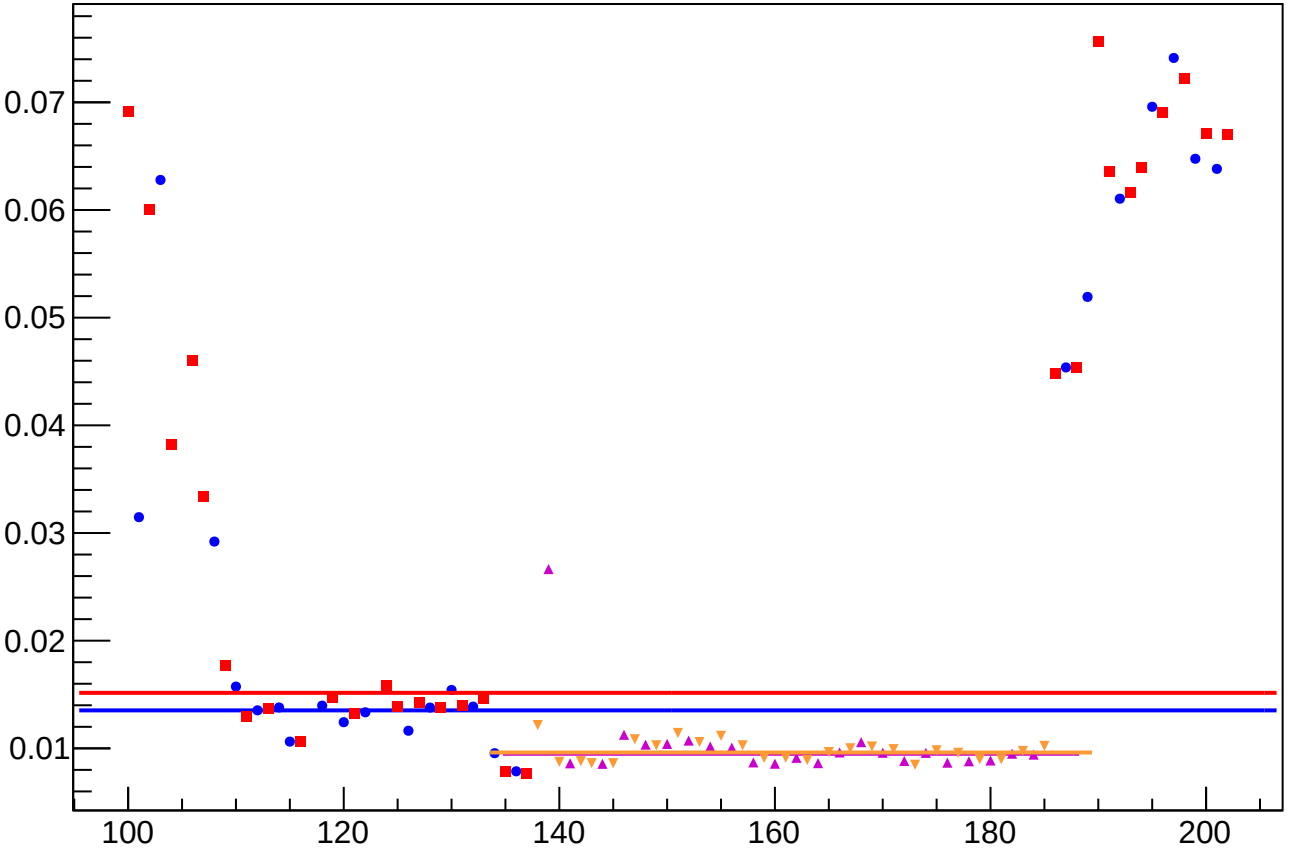
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.058+/-0.000 χ^2/NDF: 5751454125.5/47

All: -0.056+/-0.000 χ^2/NDF: 10807693629.1/

- sign -0.054+/-0.000 χ^2/NDF: 5054754031.0/51

yield_bpm16X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 8172477.8/22

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 10370949.2/28

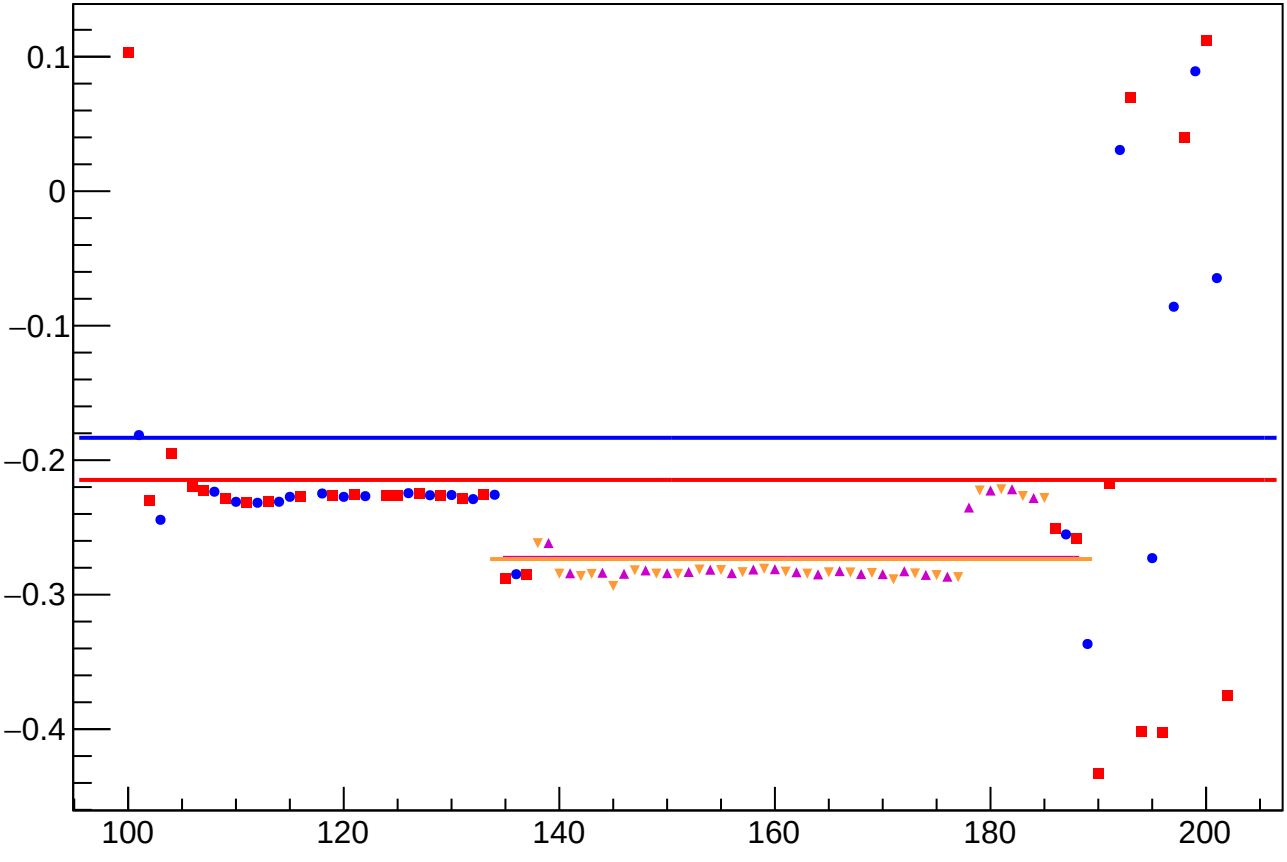
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 9375001.9/47

All: 0.010+/-0.000 χ^2/NDF: 22445570.2/99

- sign 0.010+/-0.000 χ^2/NDF: 13065850.2/51

yield_bpm16Y_mean vs Slug



Right In: -0.183+/-0.000 χ^2/NDF: 4966604133.9/22

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.215+/-0.000 χ^2/NDF: 8605223025.0/28

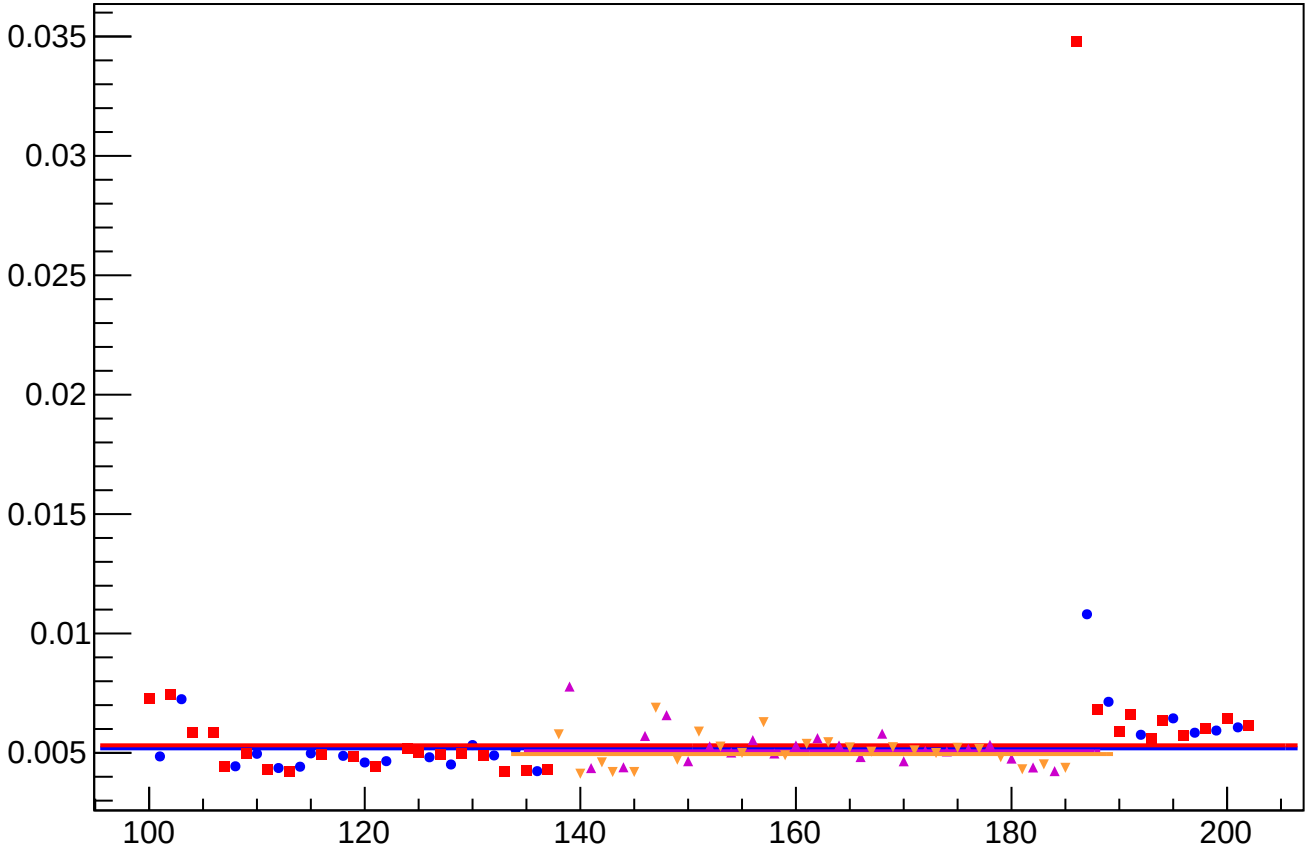
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.241+/-0.000 χ^2/NDF: 7507560322.3/47

All: -0.245+/-0.000 χ^2/NDF: 17394655075.1/

- sign -0.249+/-0.000 χ^2/NDF: 9852614543.2/51

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 622330.4/22

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

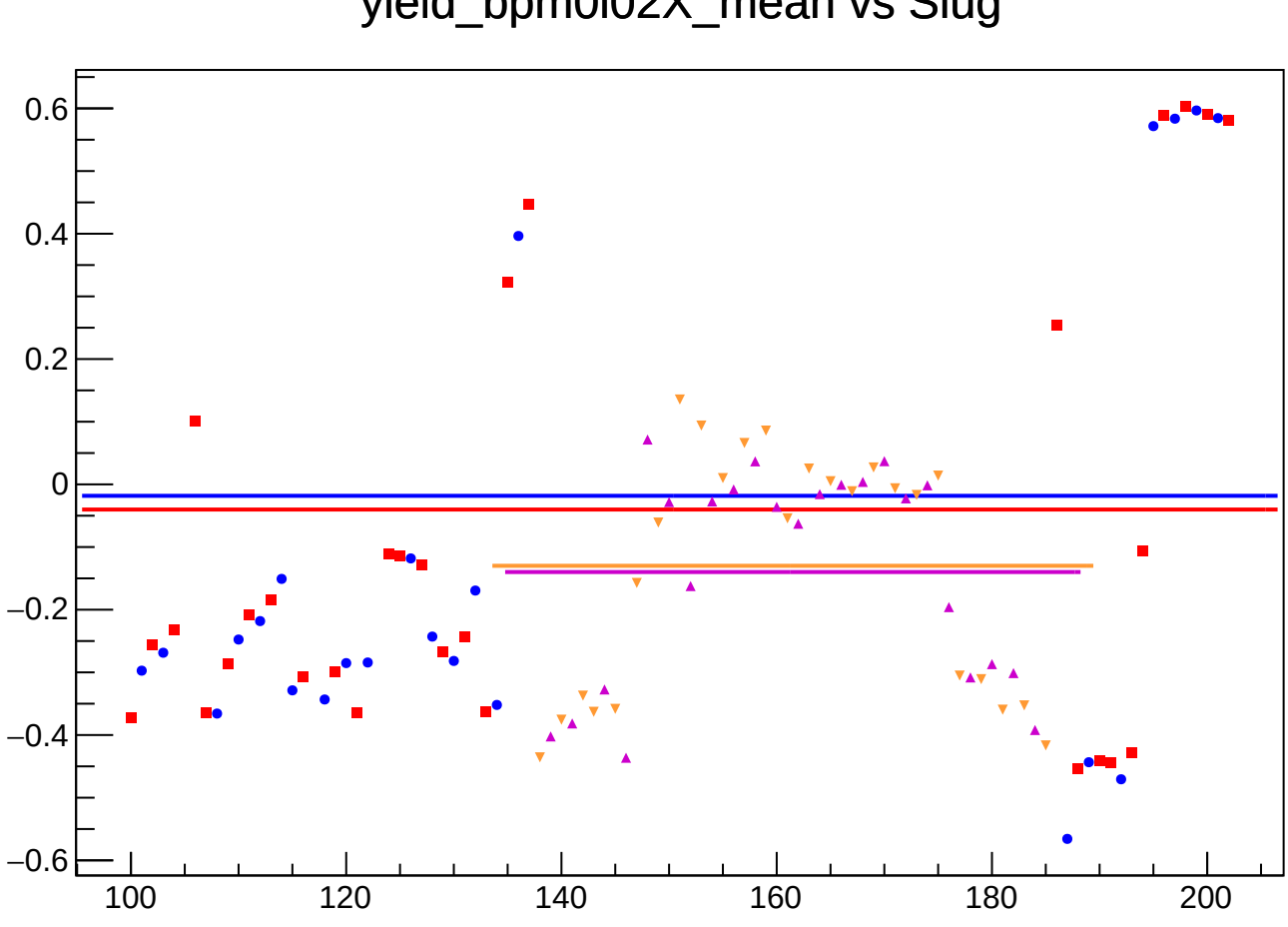
Right Out: 0.005+/-0.000 χ^2/NDF: 1271316.3/28

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1181502.0/47

All: 0.005+/-0.000 χ^2/NDF: 3046069.0/99

- sign 0.005+/-0.000 χ^2/NDF: 1844661.9/51



Right In: -0.018+/-0.000 χ^2/NDF: 45244493735.3/22

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

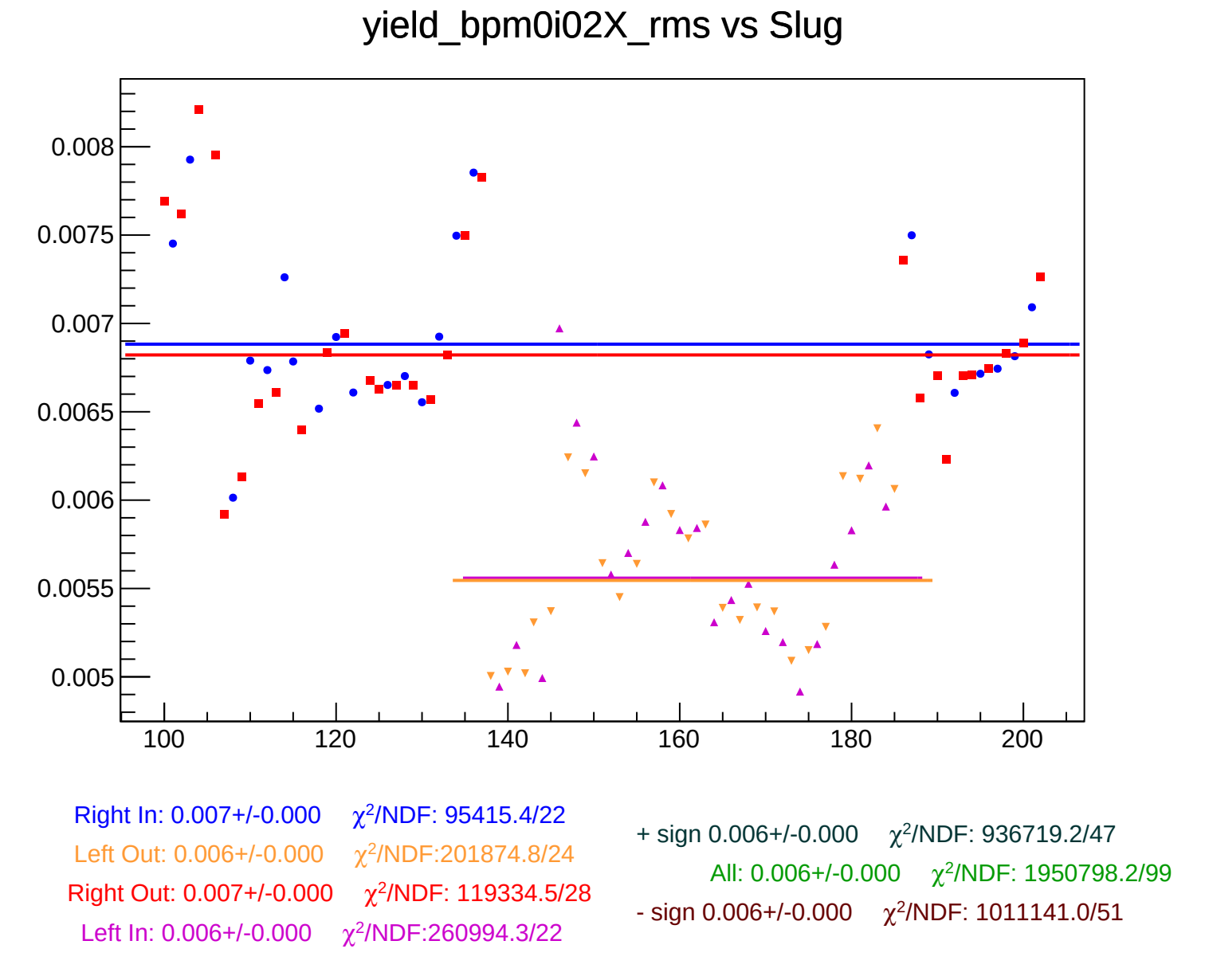
Right Out: -0.040+/-0.000 χ^2/NDF: 46815119762.0/28

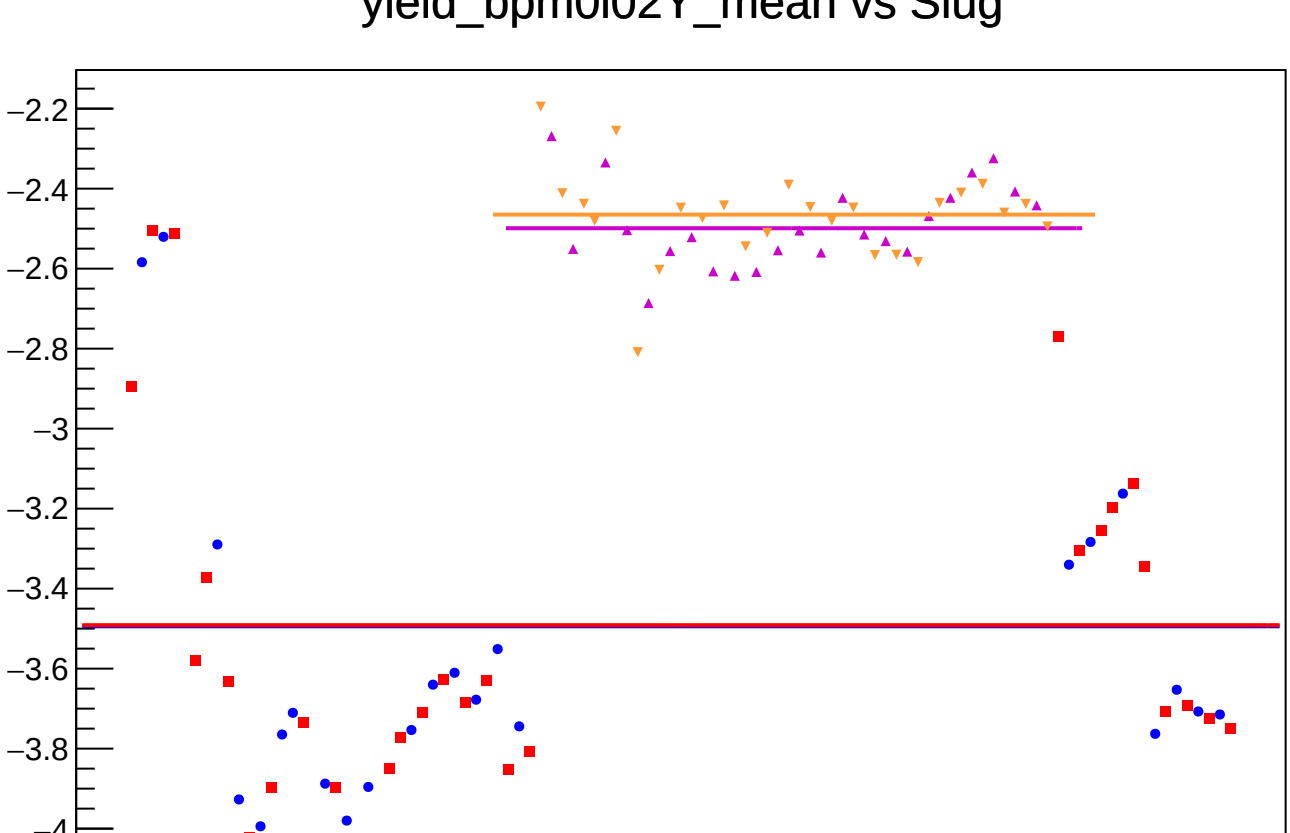
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.096+/-0.000 χ^2/NDF: 68971014846.9/47

All: -0.101+/-0.000 χ^2/NDF: 132929472445.1

- sign -0.105+/-0.000 χ^2/NDF: 63929849037.3/51


yield_bpm0i02X_rms vs Slug
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
120
140
160
180
200
Right In: 0.007+/-0.000 χ²/NDF: 95415.4/22
Left Out: 0.006+/-0.000 χ²/NDF:201874.8/24
Right Out: 0.007+/-0.000 χ²/NDF: 119334.5/28
Left In: 0.006+/-0.000 χ²/NDF:260994.3/22
+ sign 0.006+/-0.000 χ²/NDF: 936719.2/47
All: 0.006+/-0.000 χ²/NDF: 1950798.2/99
- sign 0.006+/-0.000 χ²/NDF: 1011141.0/51



Right In: -3.494+/-0.000 χ^2/NDF: 31798825369.8/22

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.491+/-0.000 χ^2/NDF: 34004939150.6/28

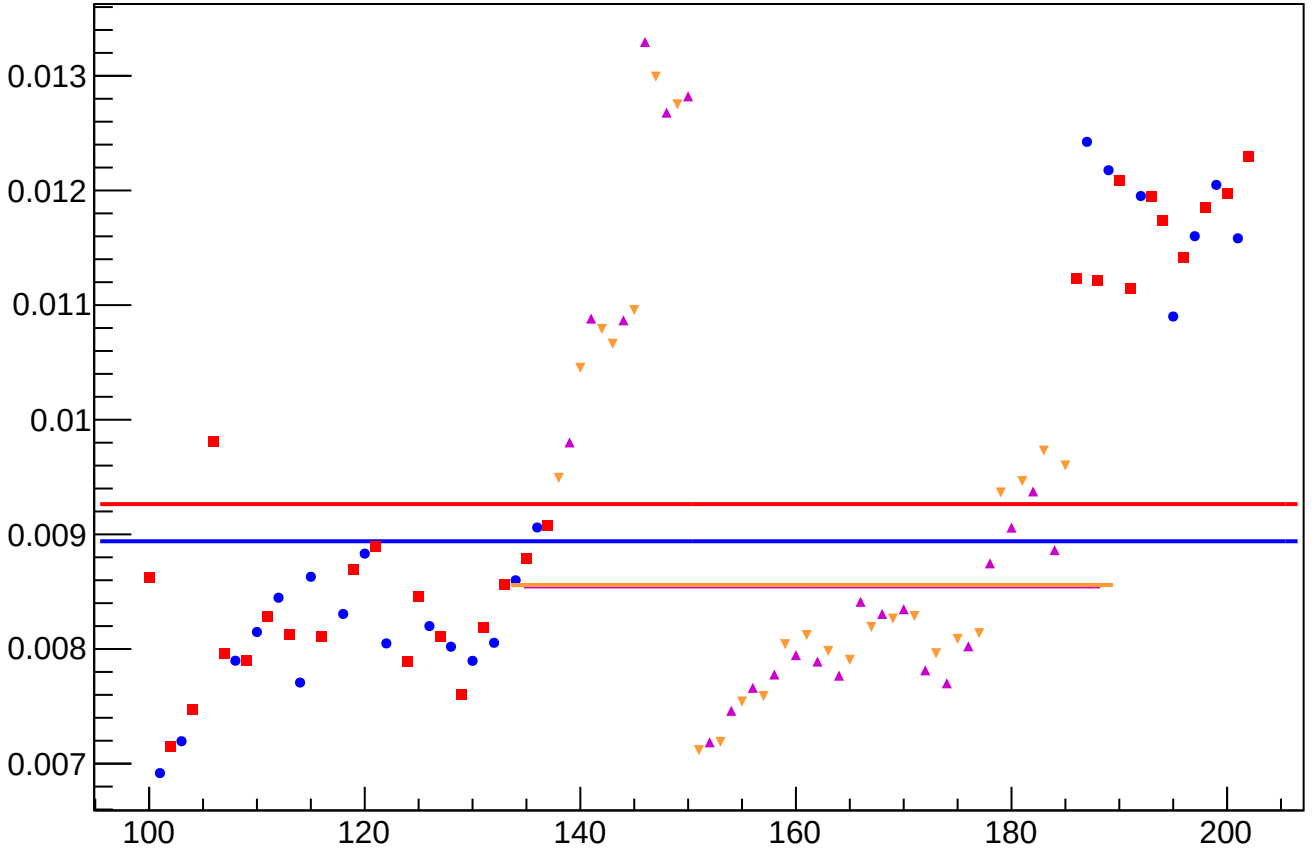
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.846+/-0.000 χ^2/NDF: 130881192336.3/47

All: -2.873+/-0.000 χ^2/NDF: 260888331869.8

- sign -2.900+/-0.000 χ^2/NDF: 129439278431.3/51

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 836869.6/22

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 977382.0/28

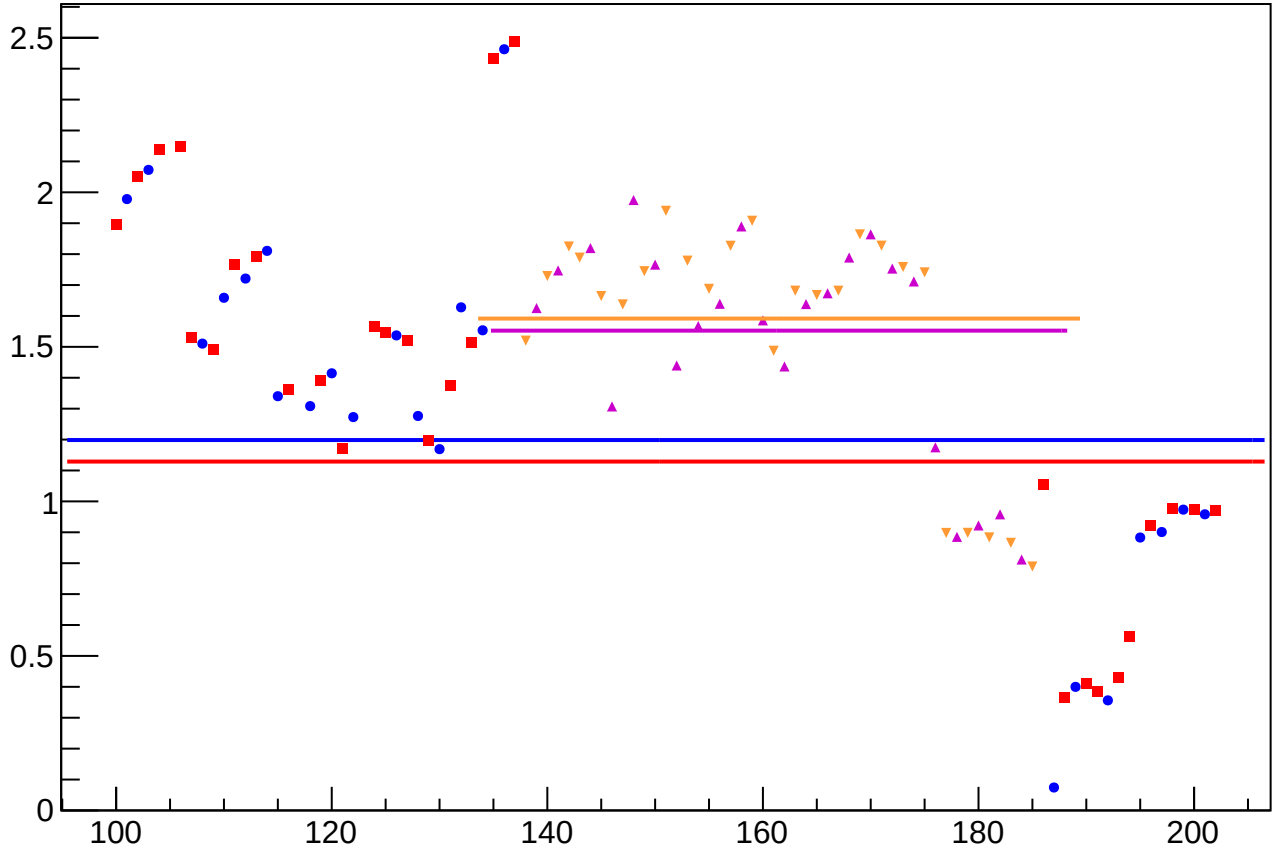
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1687541.4/47

All: 0.009+/-0.000 χ^2/NDF: 3680508.0/99

- sign 0.009+/-0.000 χ^2/NDF: 1985662.9/51

yield_bpm0i02aX_mean vs Slug



Right In: 1.198+/-0.000 χ^2/NDF: 28730906467.0/22

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.129+/-0.000 χ^2/NDF: 34229915448.4/28

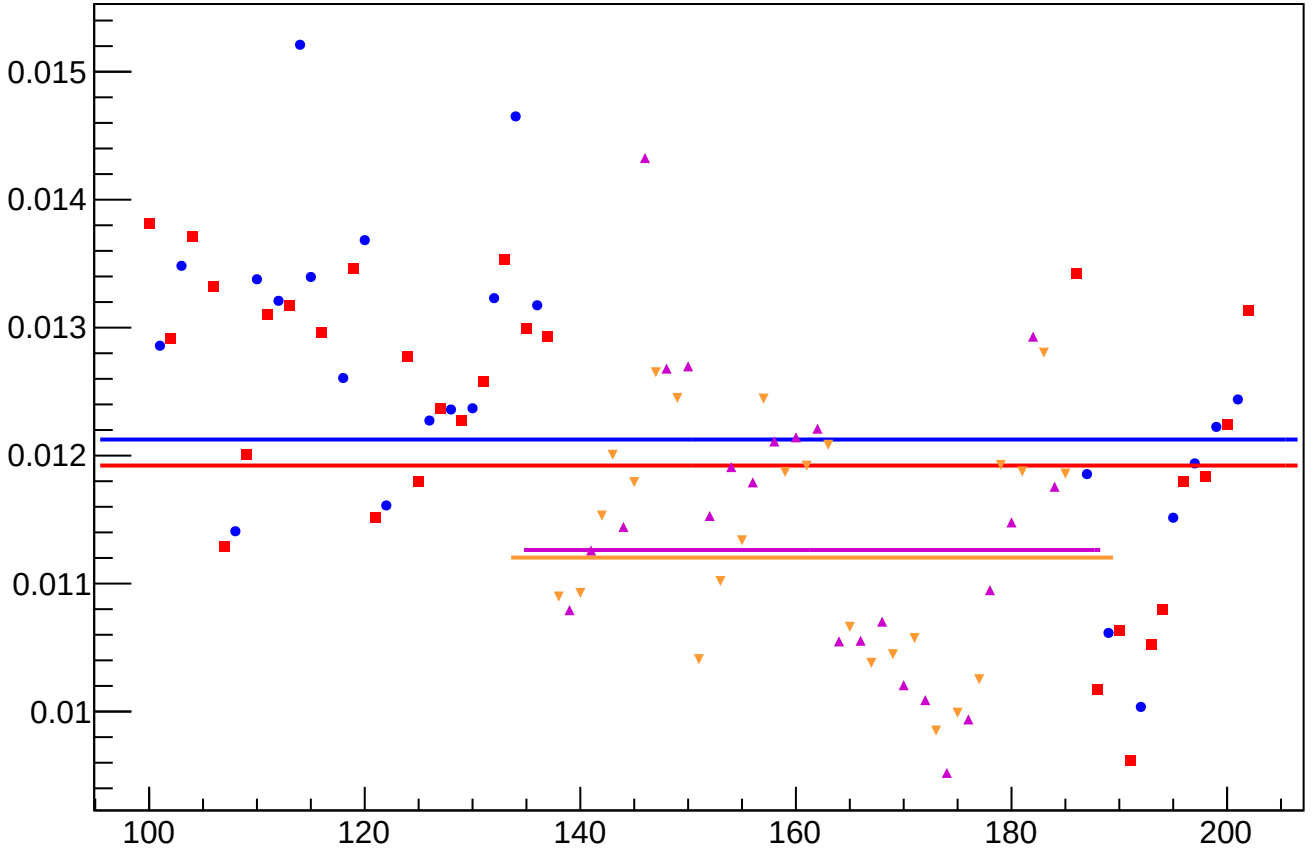
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.451+/-0.000 χ^2/NDF: 53917133982.2/47

All: 1.412+/-0.000 χ^2/NDF: 113194142487.0

- sign 1.374+/-0.000 χ^2/NDF: 58589646858.9/51

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 206269.2/22

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

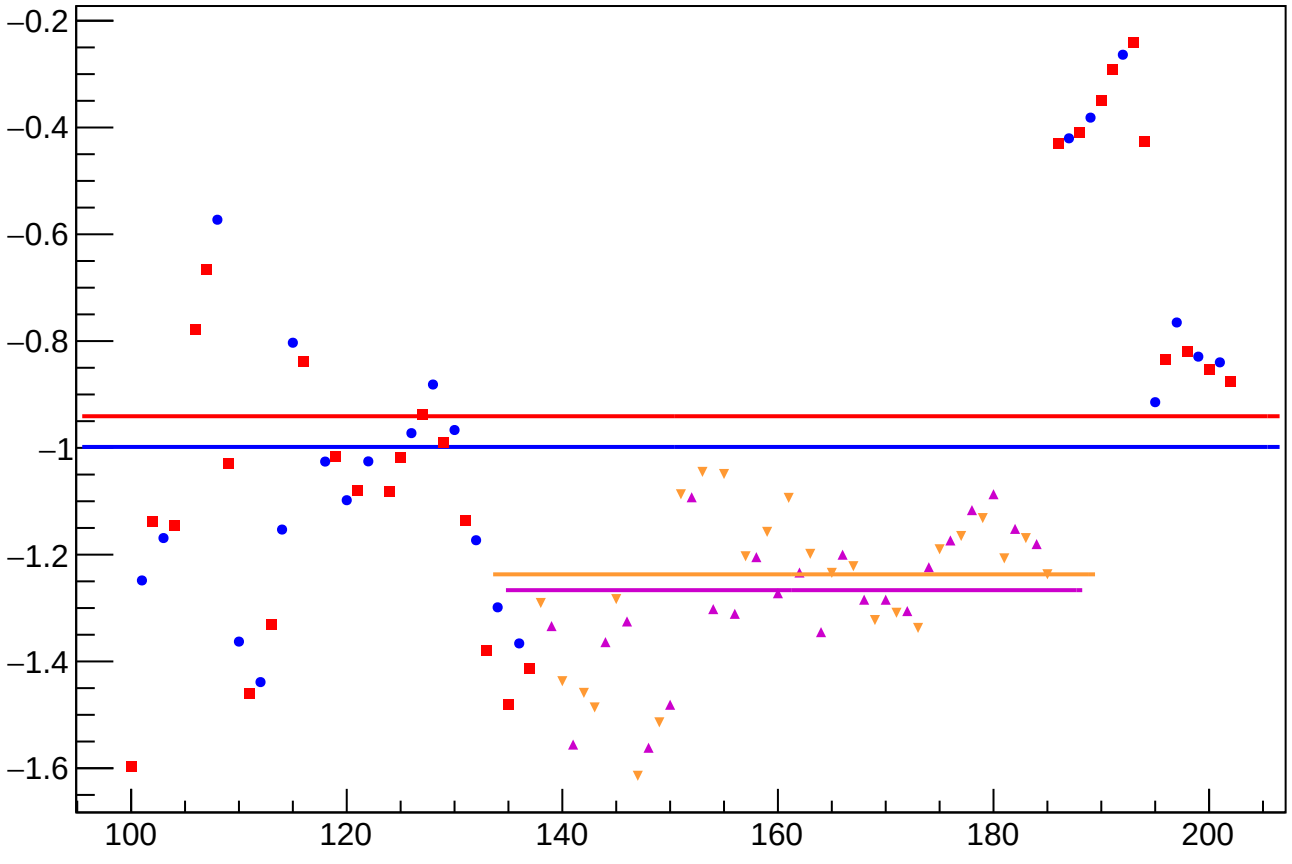
Right Out: 0.012+/-0.000 χ^2/NDF: 262536.3/28

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 519170.1/47

All: 0.012+/-0.000 χ^2/NDF: 1143415.4/99

- sign 0.012+/-0.000 χ^2/NDF: 624232.3/51



Right In: -0.998+/-0.000 χ^2/NDF: 11630215364.6/22

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.941+/-0.000 χ^2/NDF: 16579309416.3/28

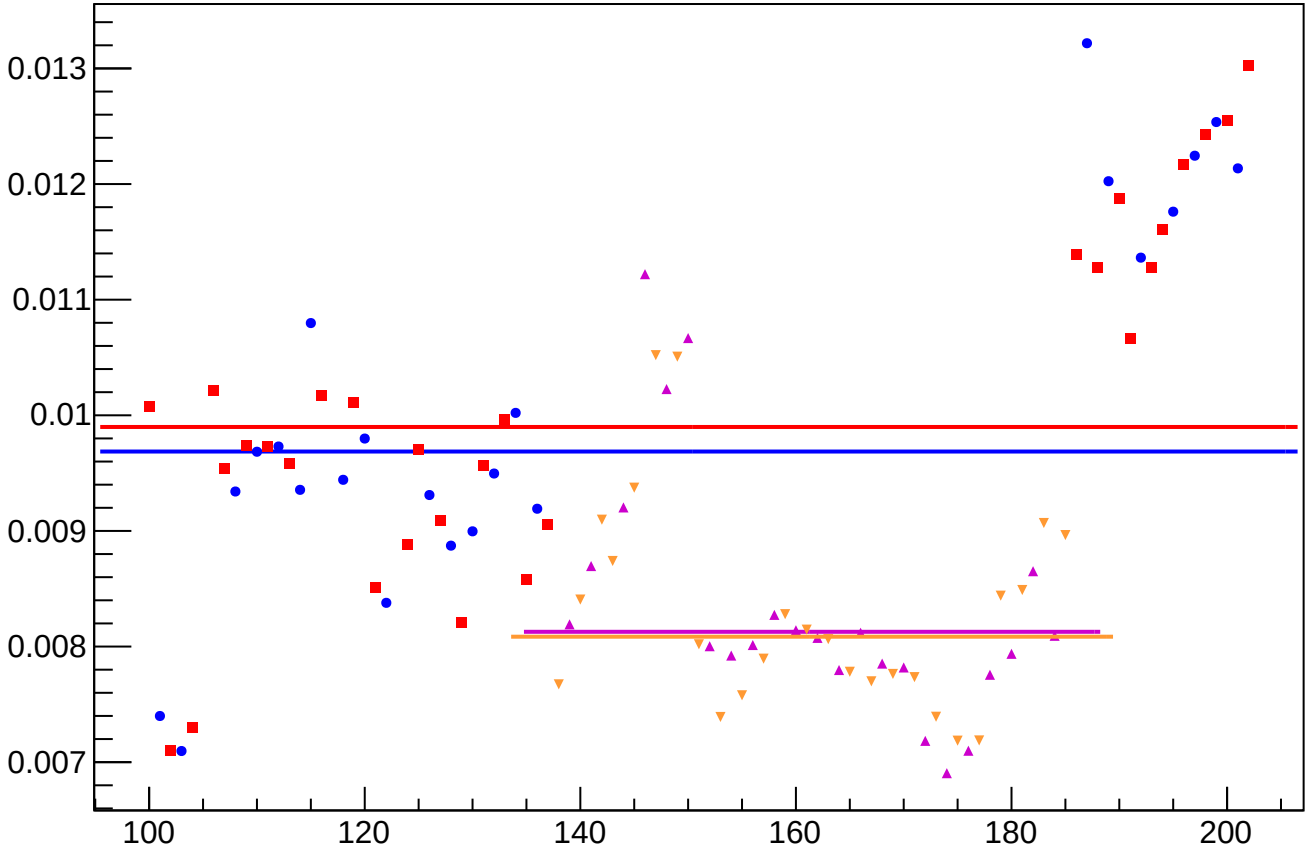
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.163+/-0.000 χ^2/NDF: 21452786851.1/47

All: -1.158+/-0.000 χ^2/NDF: 51296535233.5/

- sign -1.153+/-0.000 χ^2/NDF: 29823208120.4/51

yield_bpm0i02aY_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 702143.0/22

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

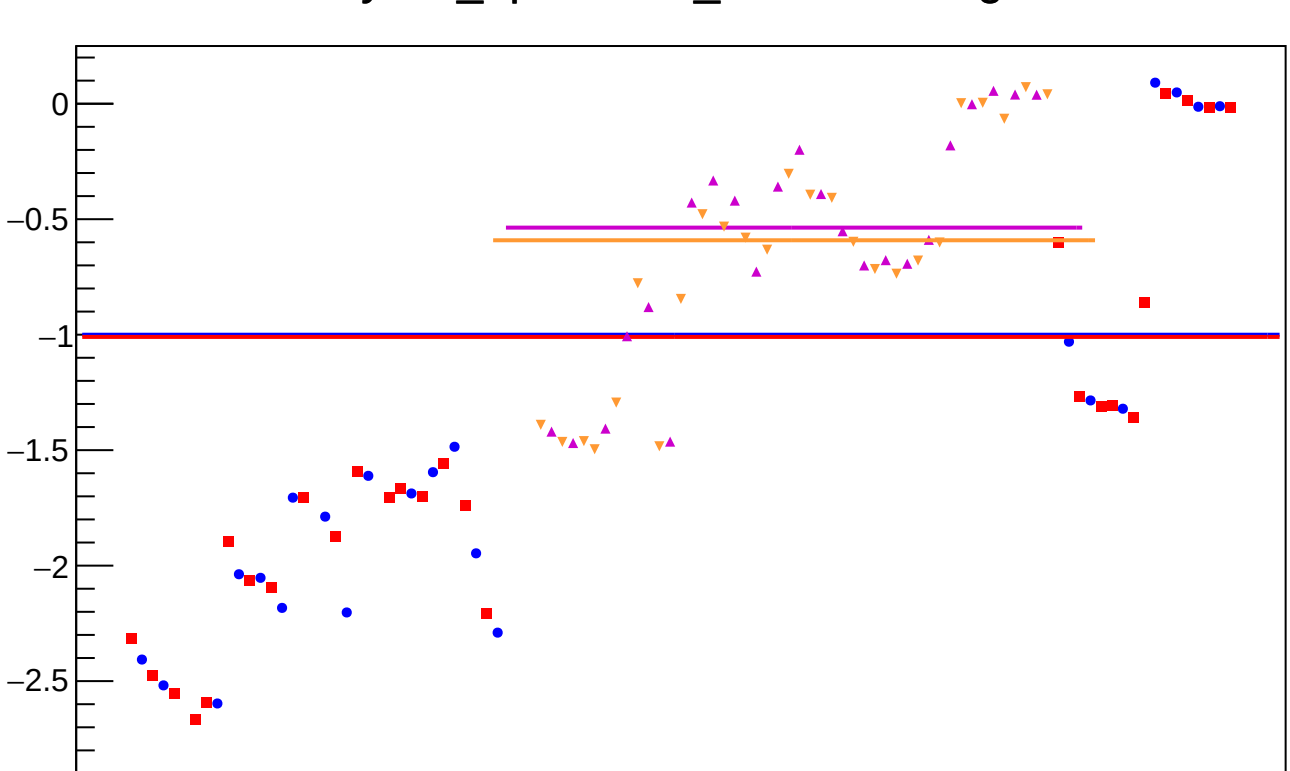
Right Out: 0.010+/-0.000 χ^2/NDF: 840833.9/28

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 1465957.7/47

All: 0.009+/-0.000 χ^2/NDF: 3292680.9/99

- sign 0.009+/-0.000 χ^2/NDF: 1815859.7/51



Right In: -1.000+/-0.000 χ^2/NDF: 297245943308.6/22

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.010+/-0.000 χ^2/NDF: 319203426998.3/28

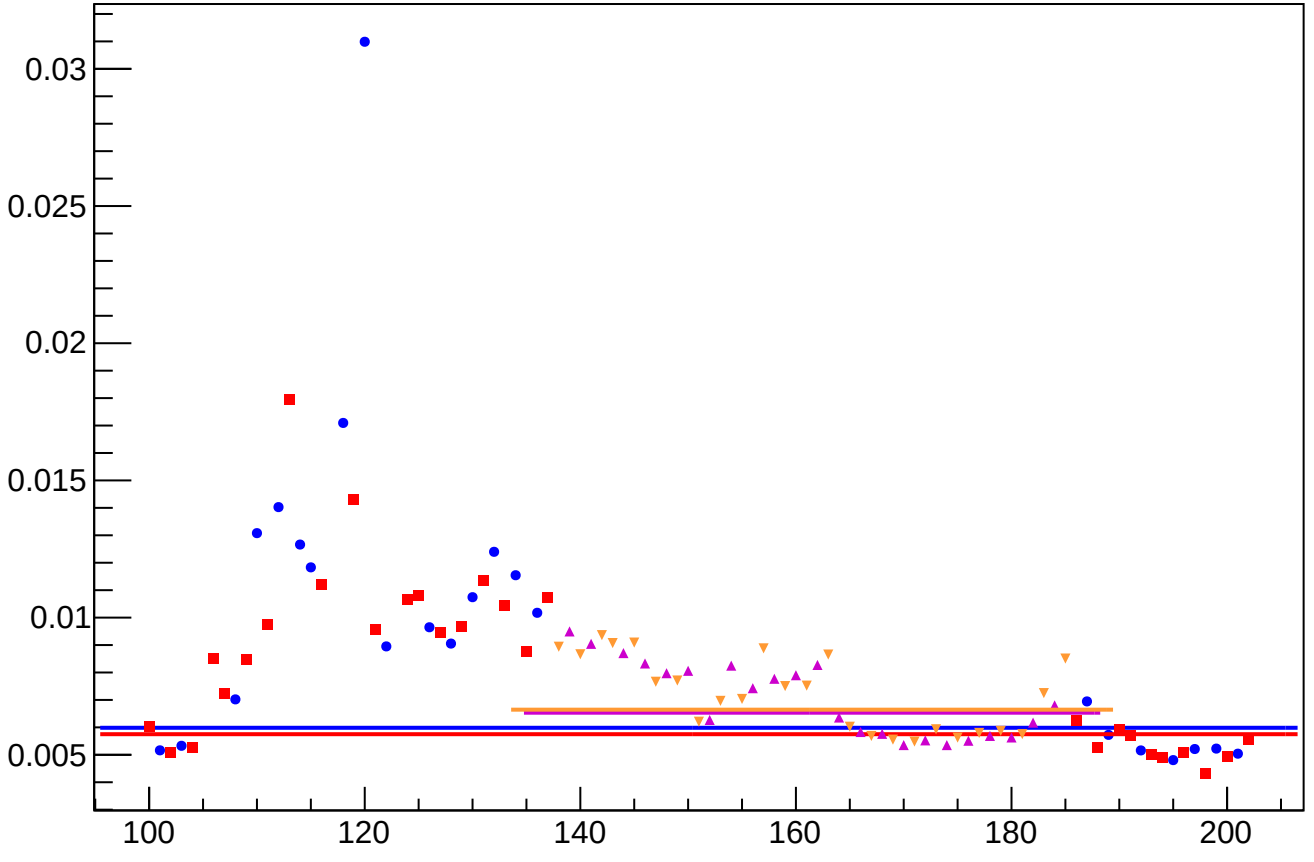
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.759+/-0.000 χ^2/NDF: 395957145013.2/47

All: -0.763+/-0.000 χ^2/NDF: 825826416727.2

- sign -0.767+/-0.000 χ^2/NDF: 429848499132.9/51

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2459318.4/22

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

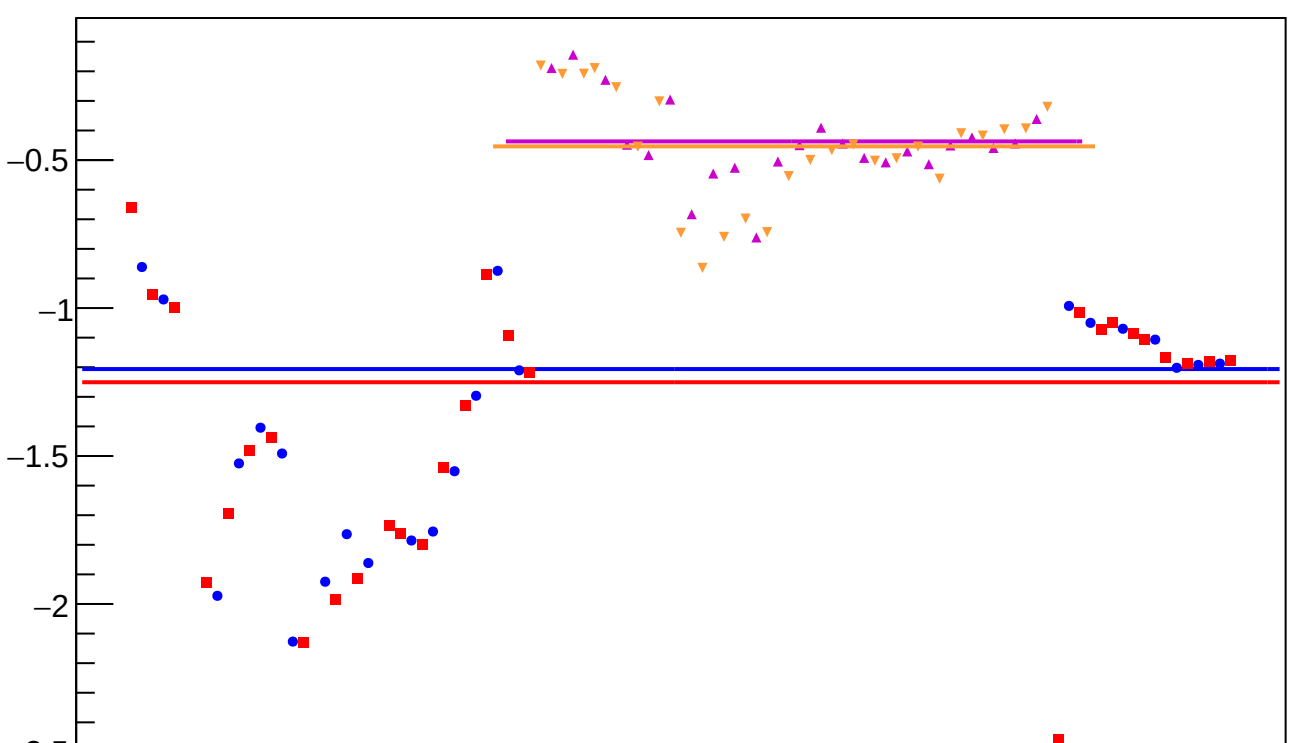
Right Out: 0.006+/-0.000 χ^2/NDF: 2346568.5/28

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 3686840.2/47

All: 0.006+/-0.000 χ^2/NDF: 7439705.1/99

- sign 0.006+/-0.000 χ^2/NDF: 3719612.2/51



Right In: -1.206+/-0.000 χ^2/NDF: 27068777236.8/22

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.251+/-0.000 χ^2/NDF: 71977861554.8/28

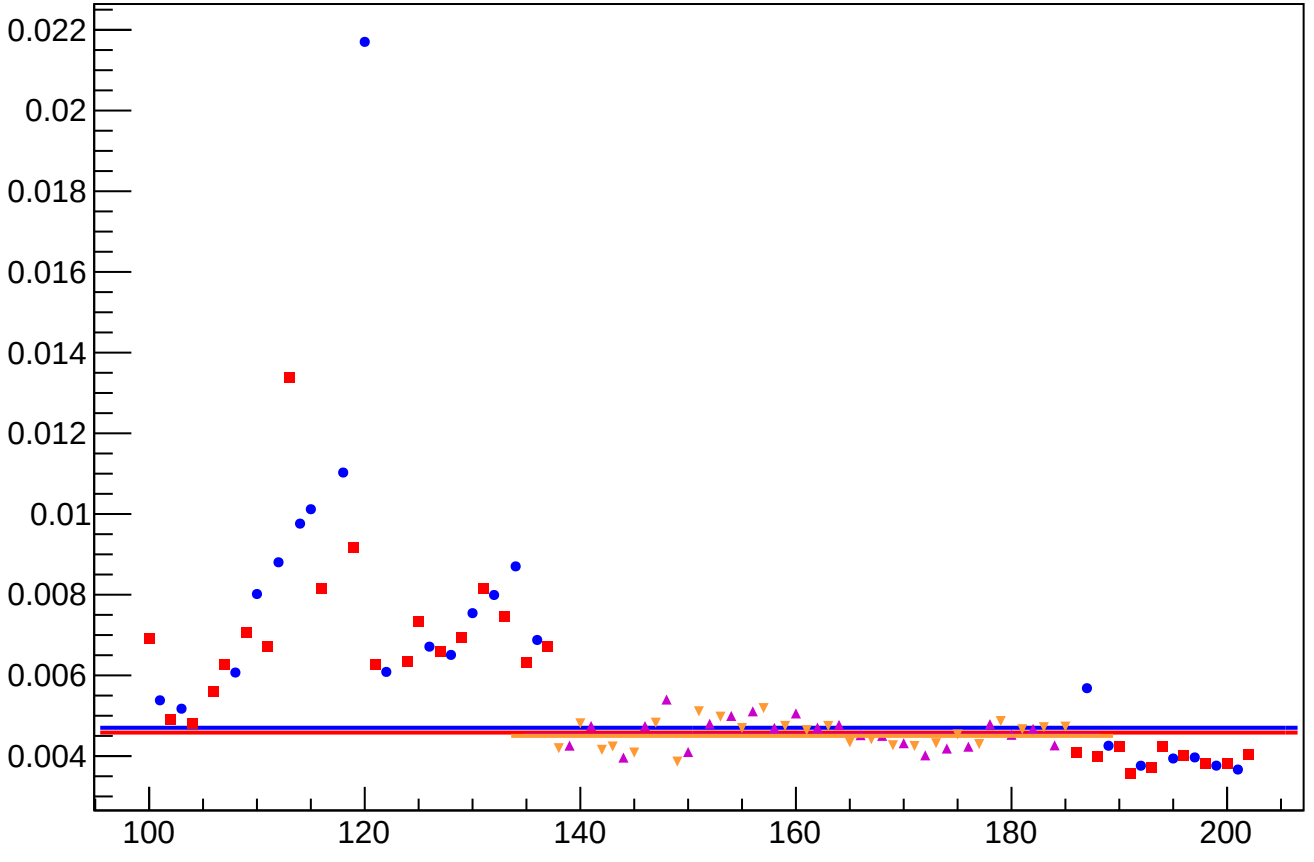
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.706+/-0.000 χ^2/NDF: 221197195364.2/47

All: -0.739+/-0.000 χ^2/NDF: 534170838912.3

- sign -0.771+/-0.000 χ^2/NDF: 310119099266.7/51

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2132564.2/22

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

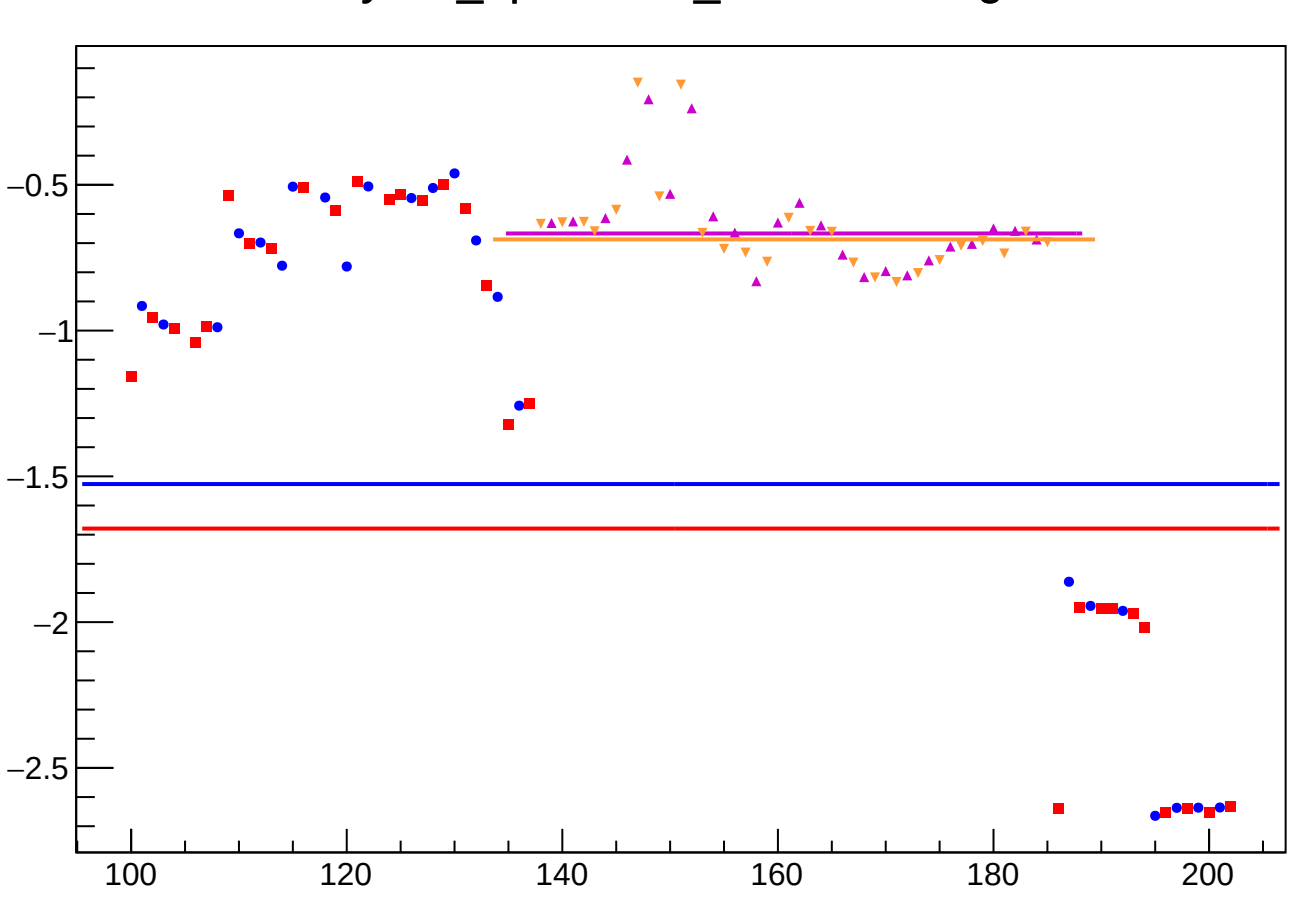
Right Out: 0.005+/-0.000 χ^2/NDF: 1844119.4/28

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2345332.3/47

All: 0.005+/-0.000 χ^2/NDF: 4404776.5/99

- sign 0.005+/-0.000 χ^2/NDF: 2058784.3/51



Right In: -1.526+/-0.000 χ^2/NDF: 198684543207.5/22

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.679+/-0.000 χ^2/NDF: 273379849986.0/28

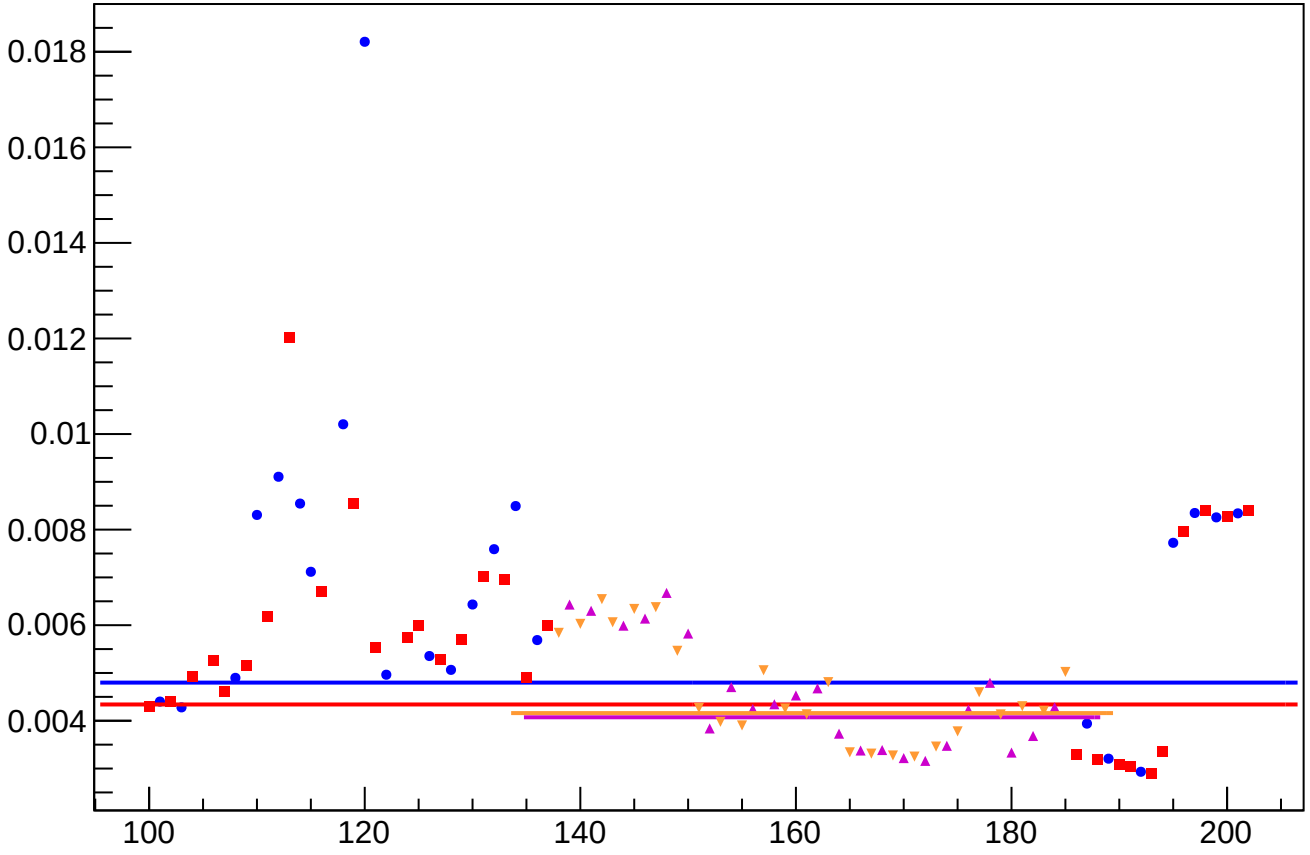
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.936+/-0.000 χ^2/NDF: 422825330220.0/47

All: -1.002+/-0.000 χ^2/NDF: 1107688383498

- sign -1.059+/-0.000 χ^2/NDF: 673876103107.2/51

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 3318936.7/22

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3591021.8/28

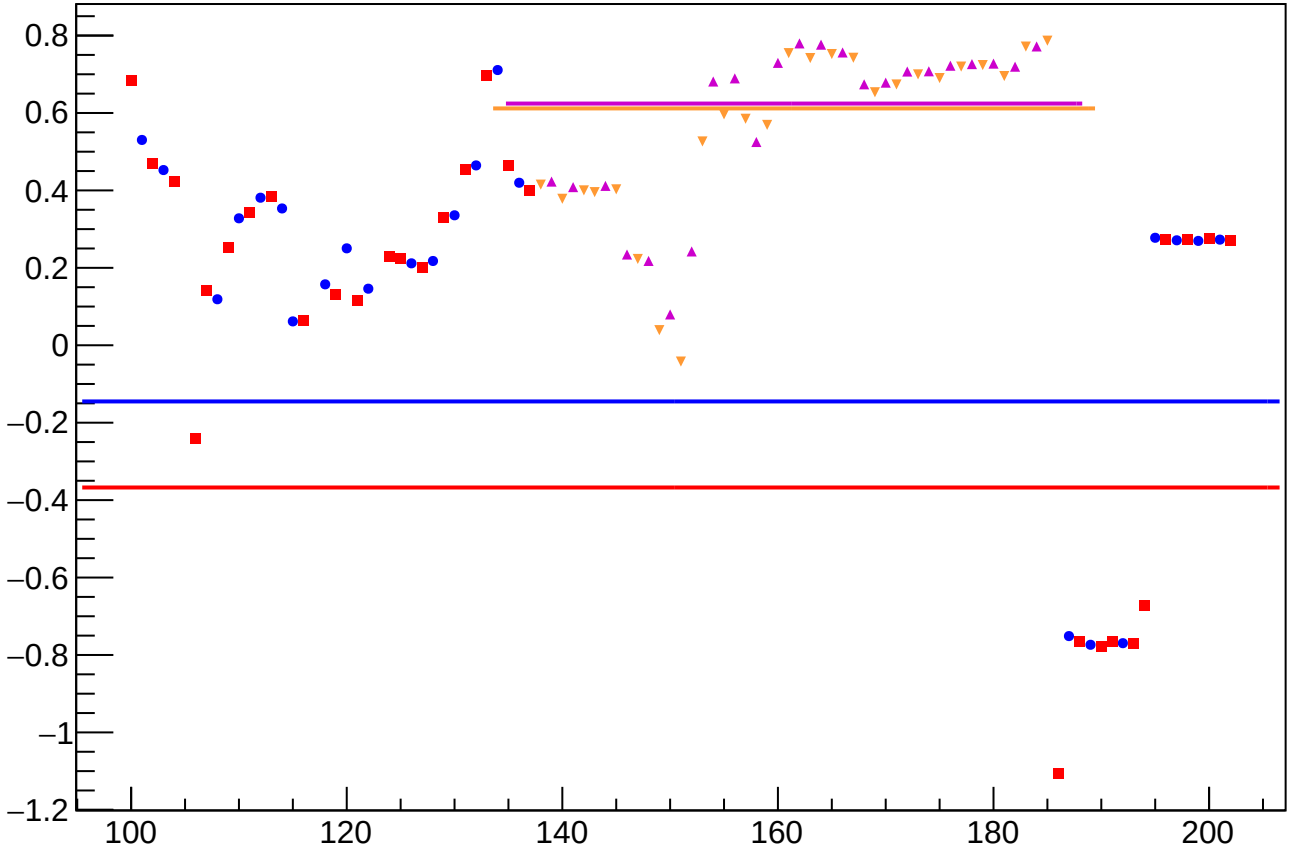
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 5072179.3/47

All: 0.004+/-0.000 χ^2/NDF: 10510274.6/99

- sign 0.004+/-0.000 χ^2/NDF: 5394368.3/51

yield_bpm0i07Y_mean vs Slug



Right In: -0.145+/-0.000 χ^2/NDF: 290582255182.0/22

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.367+/-0.000 χ^2/NDF: 455323803859.6/28

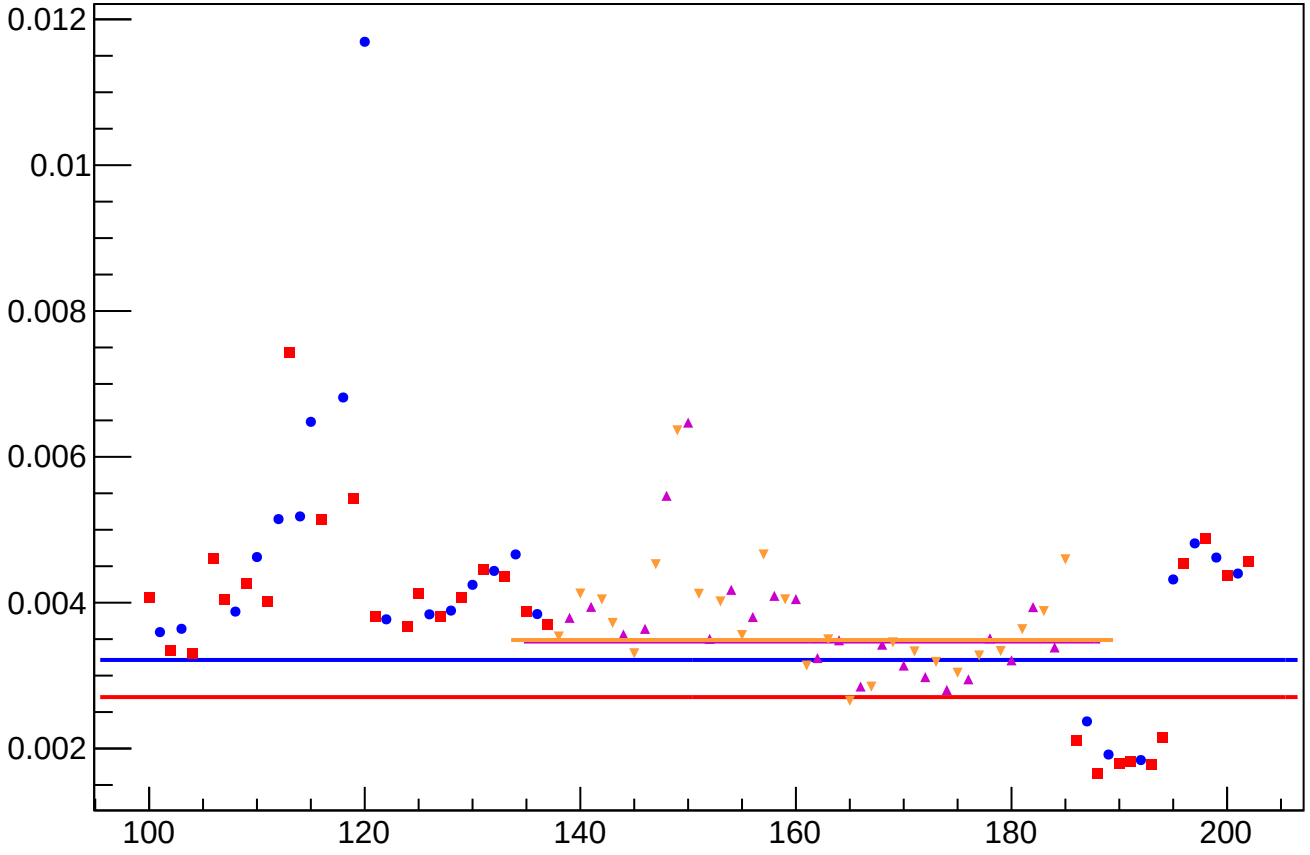
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.297+/-0.000 χ^2/NDF: 650451401458.7/47

All: 0.179+/-0.000 χ^2/NDF: 1881706016931.

- sign 0.084+/-0.000 χ^2/NDF: 1174636892880.8/51

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3058974.5/22

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

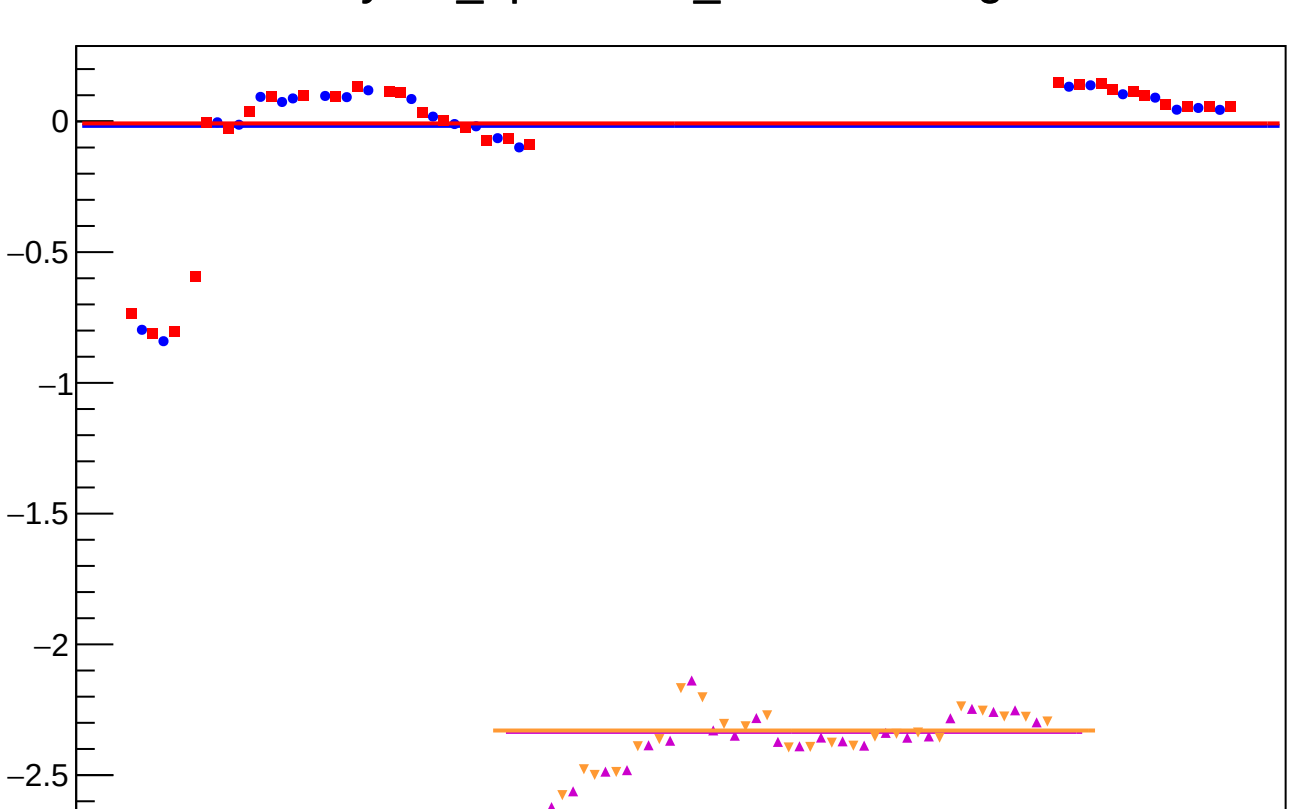
Right Out: 0.003+/-0.000 χ^2/NDF: 4247577.1/28

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 3991687.4/47

All: 0.003+/-0.000 χ^2/NDF: 10193670.4/99

- sign 0.003+/-0.000 χ^2/NDF: 5942654.1/51



Right In: -0.017+/-0.000 χ^2/NDF: 6350342982.9/22

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.008+/-0.000 χ^2/NDF: 7697899643.2/28

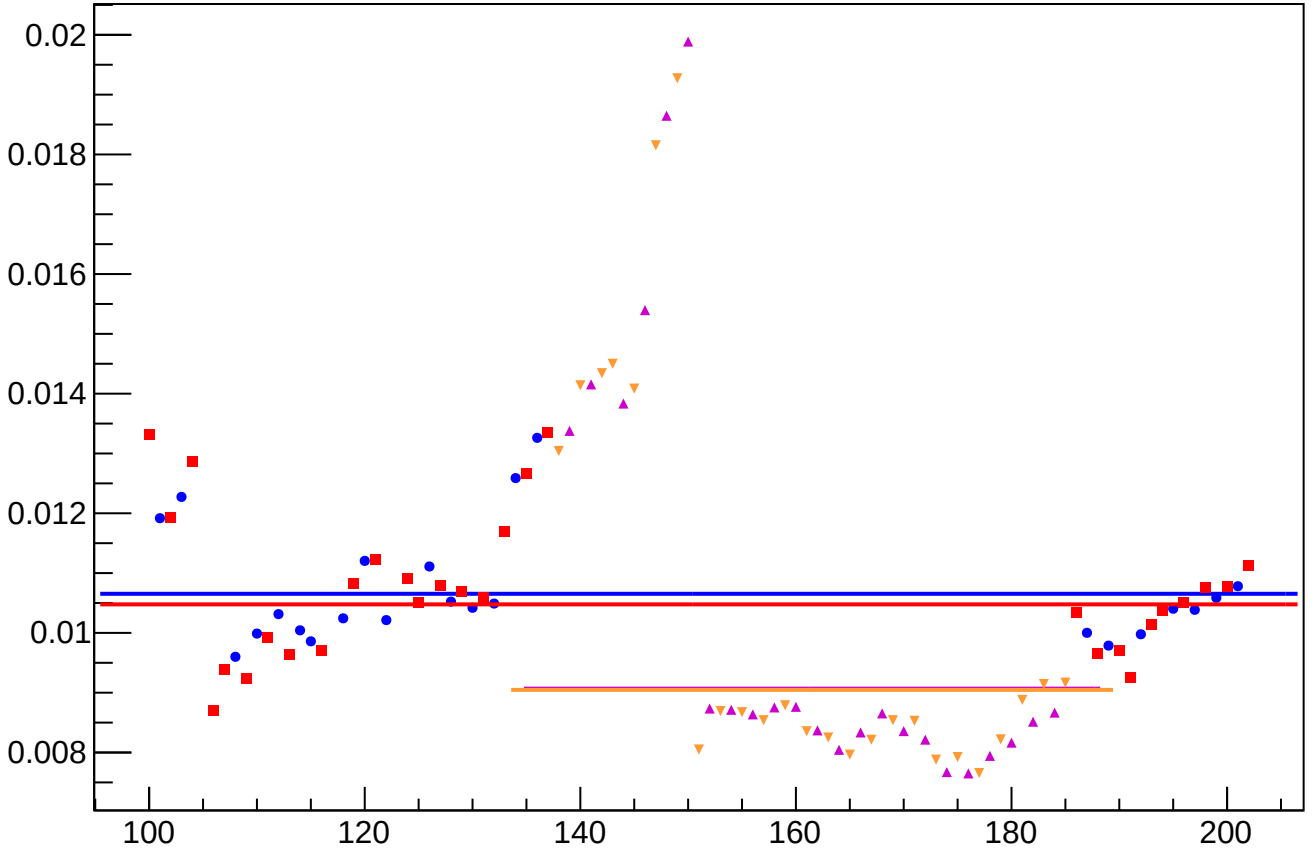
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.576+/-0.000 χ^2/NDF: 395393351439.8/47

All: -1.505+/-0.000 χ^2/NDF: 844333358546.5

- sign -1.436+/-0.000 χ^2/NDF: 445664887347.8/51

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 166620.1/22

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 230950.1/28

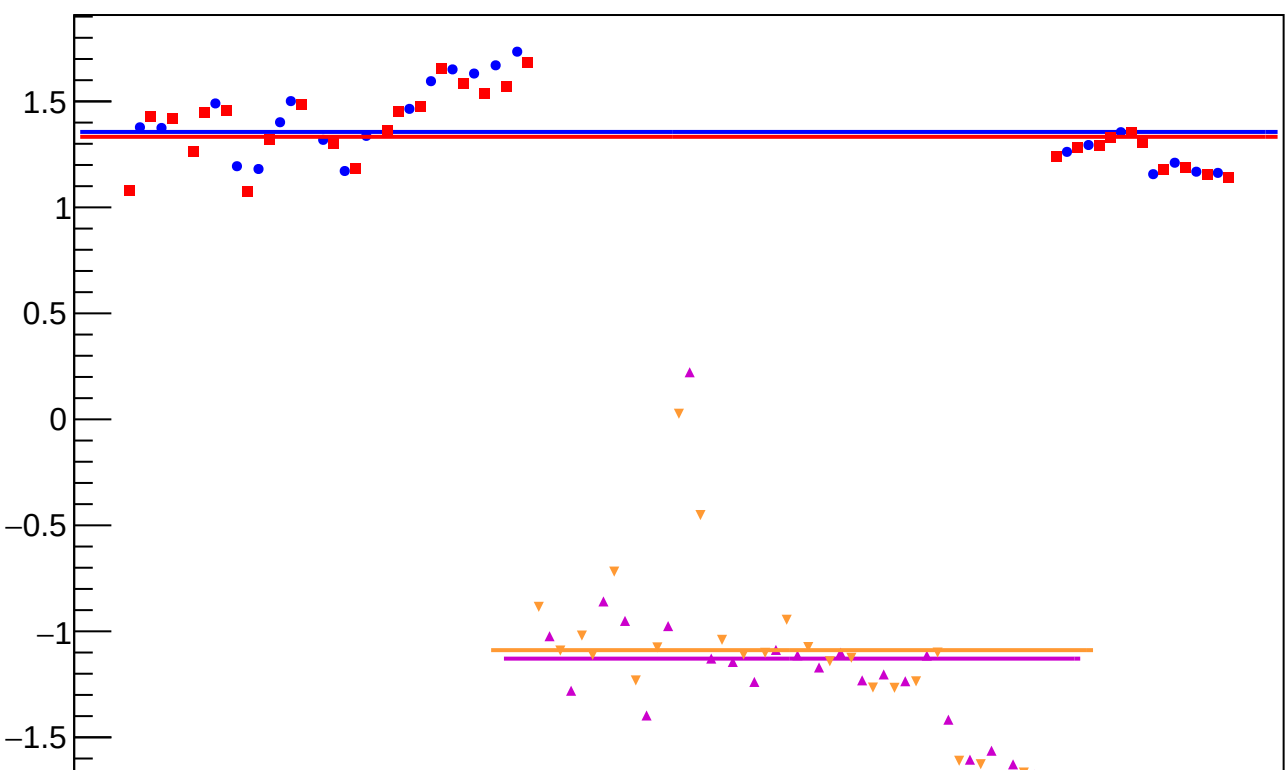
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2589249.2/47

All: 0.010+/-0.000 χ^2/NDF: 5274812.0/99

- sign 0.010+/-0.000 χ^2/NDF: 2684984.9/51

yield_bpm1i02Y_mean vs Slug



Right In: 1.356+/-0.000 χ^2/NDF: 6715938481.6/22

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.333+/-0.000 χ^2/NDF: 5455510591.0/28

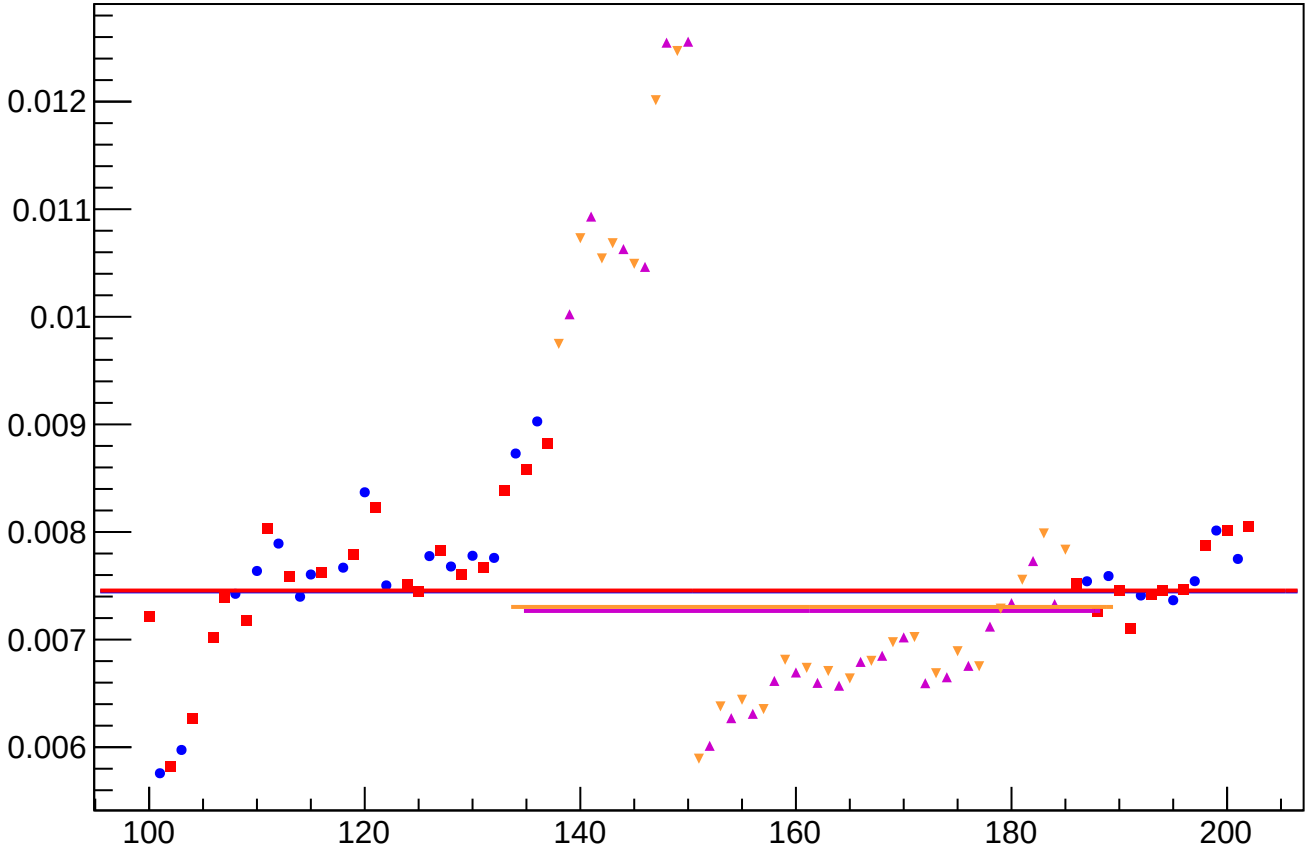
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.143+/-0.000 χ^2/NDF: 868488432789.5/47

All: -0.095+/-0.000 χ^2/NDF: 1815932972065

- sign -0.048+/-0.000 χ^2/NDF: 944802663893.1/51

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 285661.6/22

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

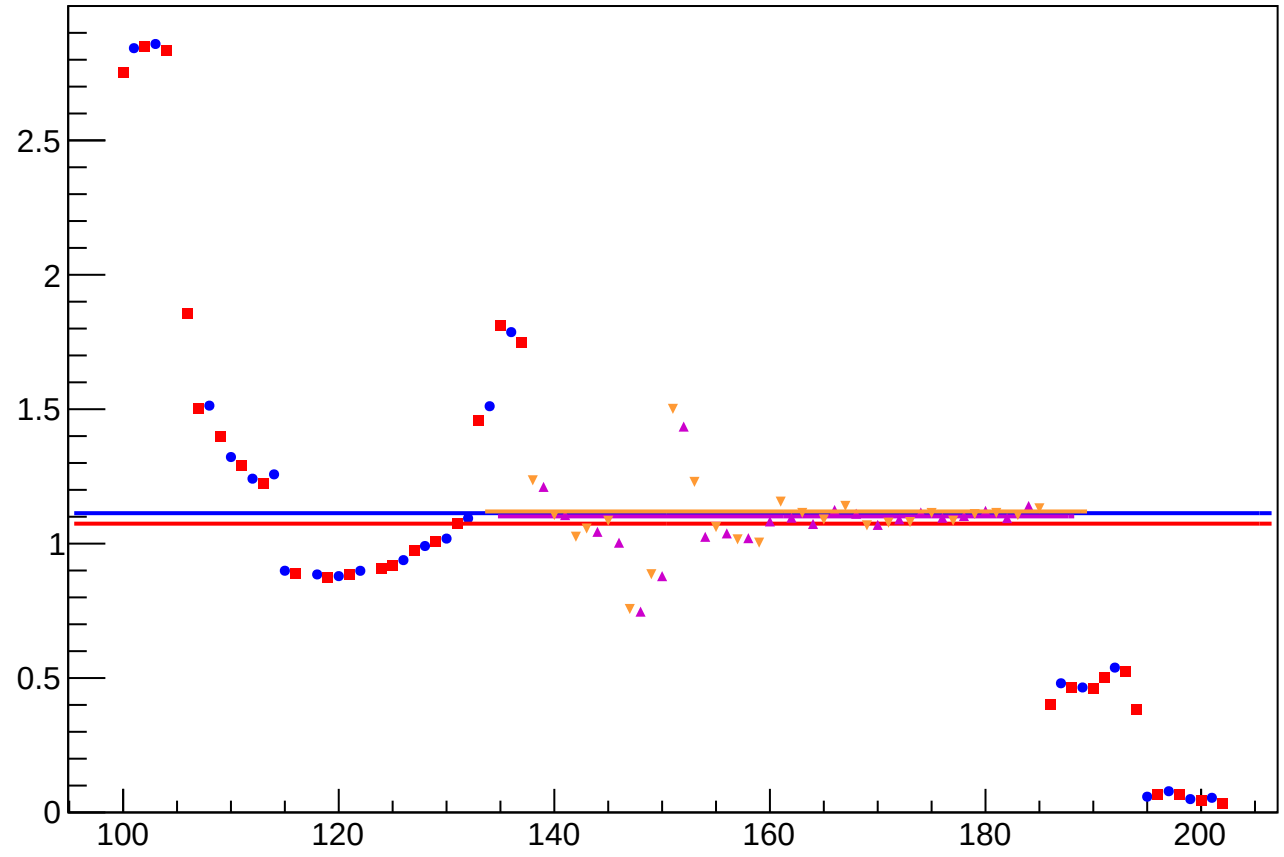
Right Out: 0.007+/-0.000 χ^2/NDF: 224966.1/28

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1795347.2/47

All: 0.007+/-0.000 χ^2/NDF: 3590907.2/99

- sign 0.007+/-0.000 χ^2/NDF: 1795504.4/51



Right In: 1.113+/-0.000 χ^2/NDF: 110125040852.5/22

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.074+/-0.000 χ^2/NDF: 115709934653.4/28

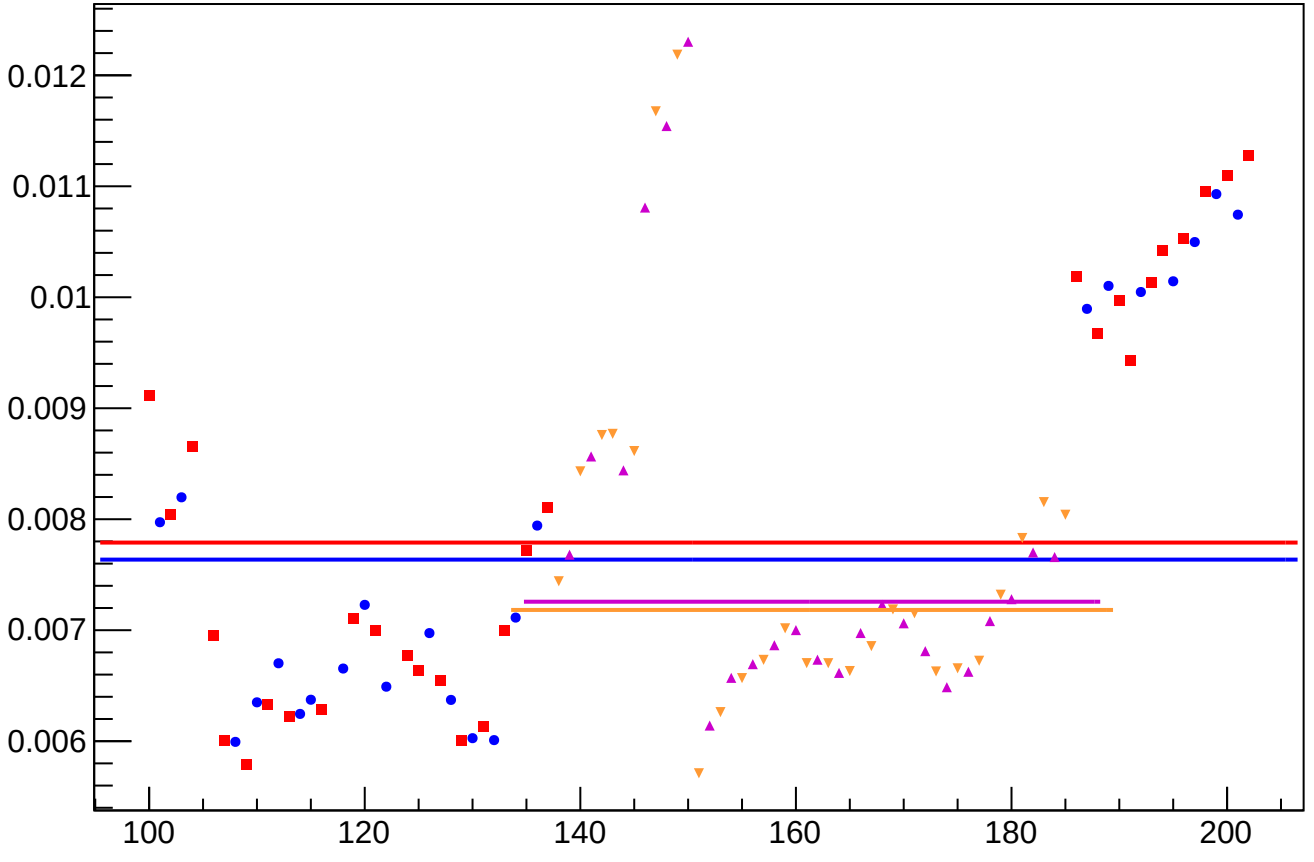
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.117+/-0.000 χ^2/NDF: 115645377055.9/47

All: 1.104+/-0.000 χ^2/NDF: 235859832352.6

- sign 1.090+/-0.000 χ^2/NDF: 120010742015.0/51

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1104342.7/22

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

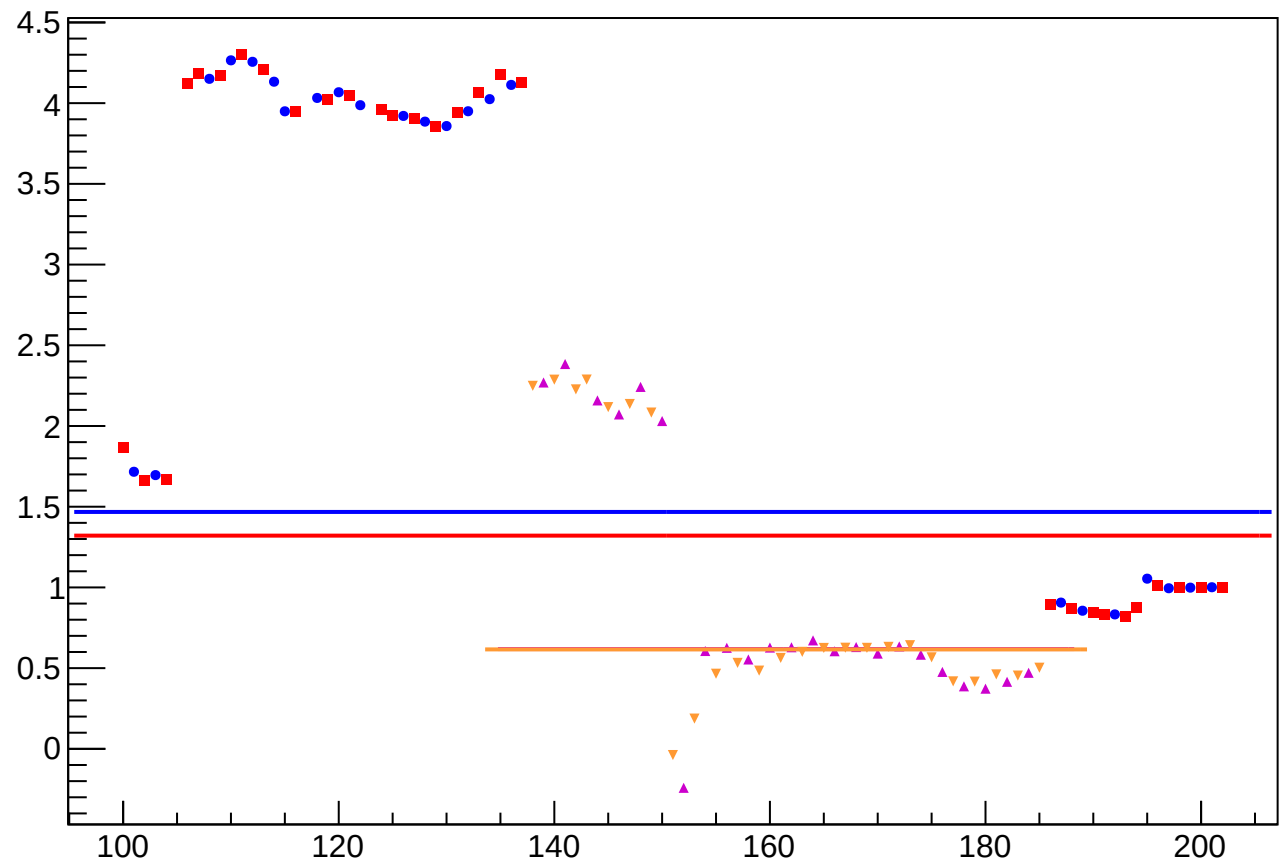
Right Out: 0.008+/-0.000 χ^2/NDF: 1500515.9/28

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 2051108.5/47

All: 0.007+/-0.000 χ^2/NDF: 4553973.9/99

- sign 0.007+/-0.000 χ^2/NDF: 2493824.9/51



Right In: 1.468+/-0.000 χ^2/NDF: 1499635611593.2/22

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.321+/-0.000 χ^2/NDF: 1727296594901.2/28

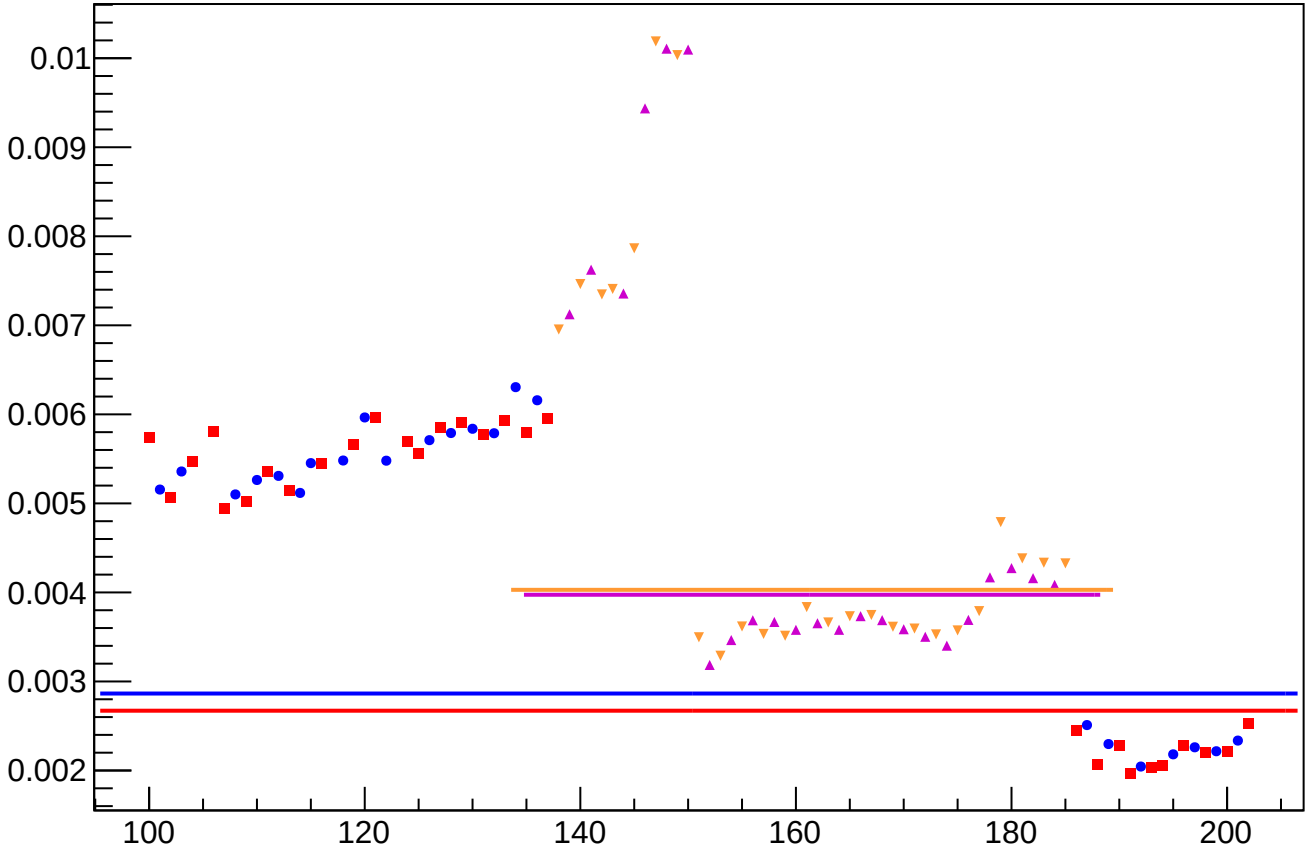
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.067+/-0.000 χ^2/NDF: 2156947725737.2/47

All: 1.057+/-0.000 χ^2/NDF: 4449854238460.

- sign 1.049+/-0.000 χ^2/NDF: 2292537225691.5/51

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4285429.0/22

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

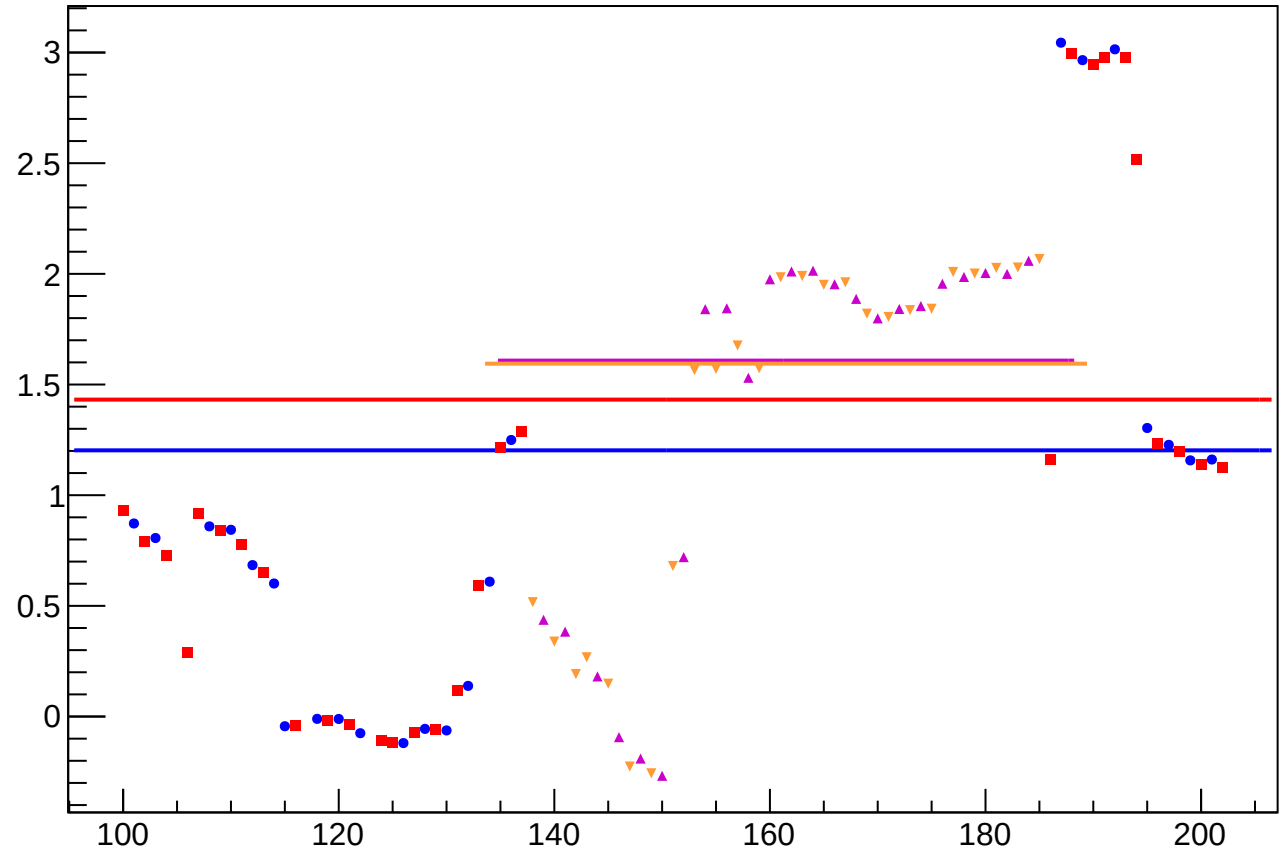
Right Out: 0.003+/-0.000 χ^2/NDF: 4669082.8/28

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 8767113.3/47

All: 0.003+/-0.000 χ^2/NDF: 18832811.7/99

- sign 0.003+/-0.000 χ^2/NDF: 9928059.7/51



Right In: 1.203+/-0.000 χ^2/NDF: 77480857603.4/22

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.432+/-0.000 χ^2/NDF: 104362617773.5/28

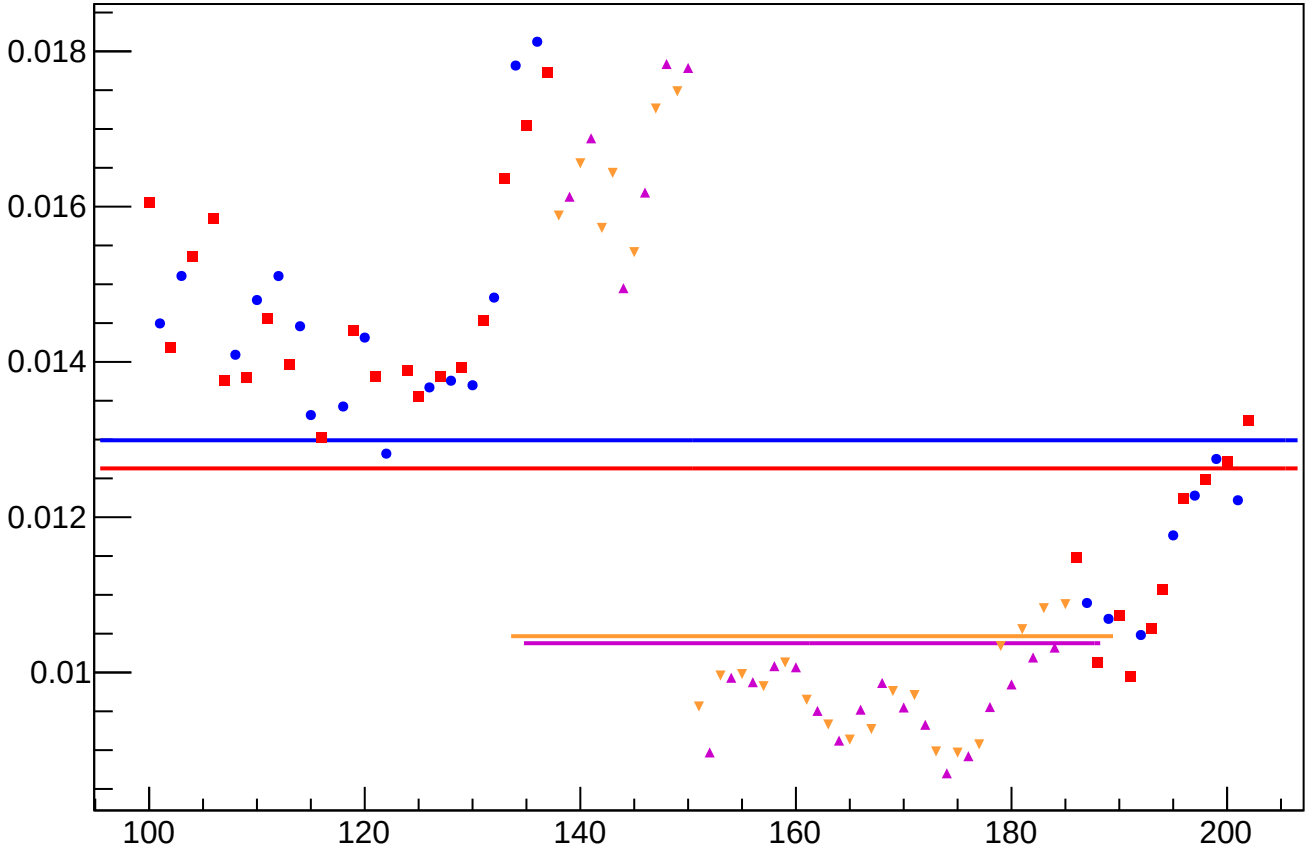
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.478+/-0.000 χ^2/NDF: 147733994060.0/47

All: 1.512+/-0.000 χ^2/NDF: 320828536837.8

- sign 1.546+/-0.000 χ^2/NDF: 172530822355.0/51

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 501650.6/22

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

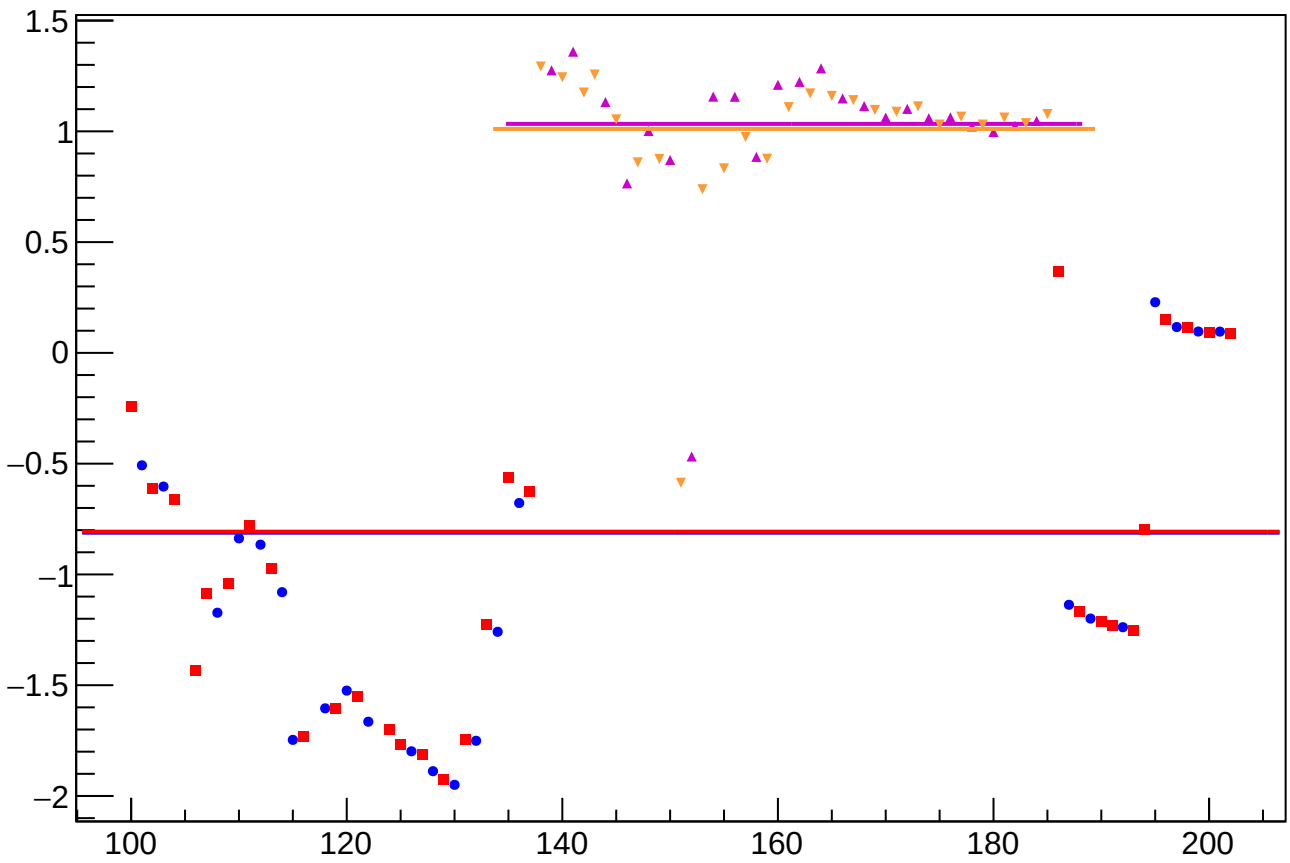
Right Out: 0.013+/-0.000 χ^2/NDF: 593465.4/28

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2795764.2/47

All: 0.011+/-0.000 χ^2/NDF: 5676679.0/99

- sign 0.011+/-0.000 χ^2/NDF: 2880415.3/51



Right In: -0.812+/-0.000 χ^2/NDF: 146887597342.9/22

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.807+/-0.000 χ^2/NDF: 144131271114.5/28

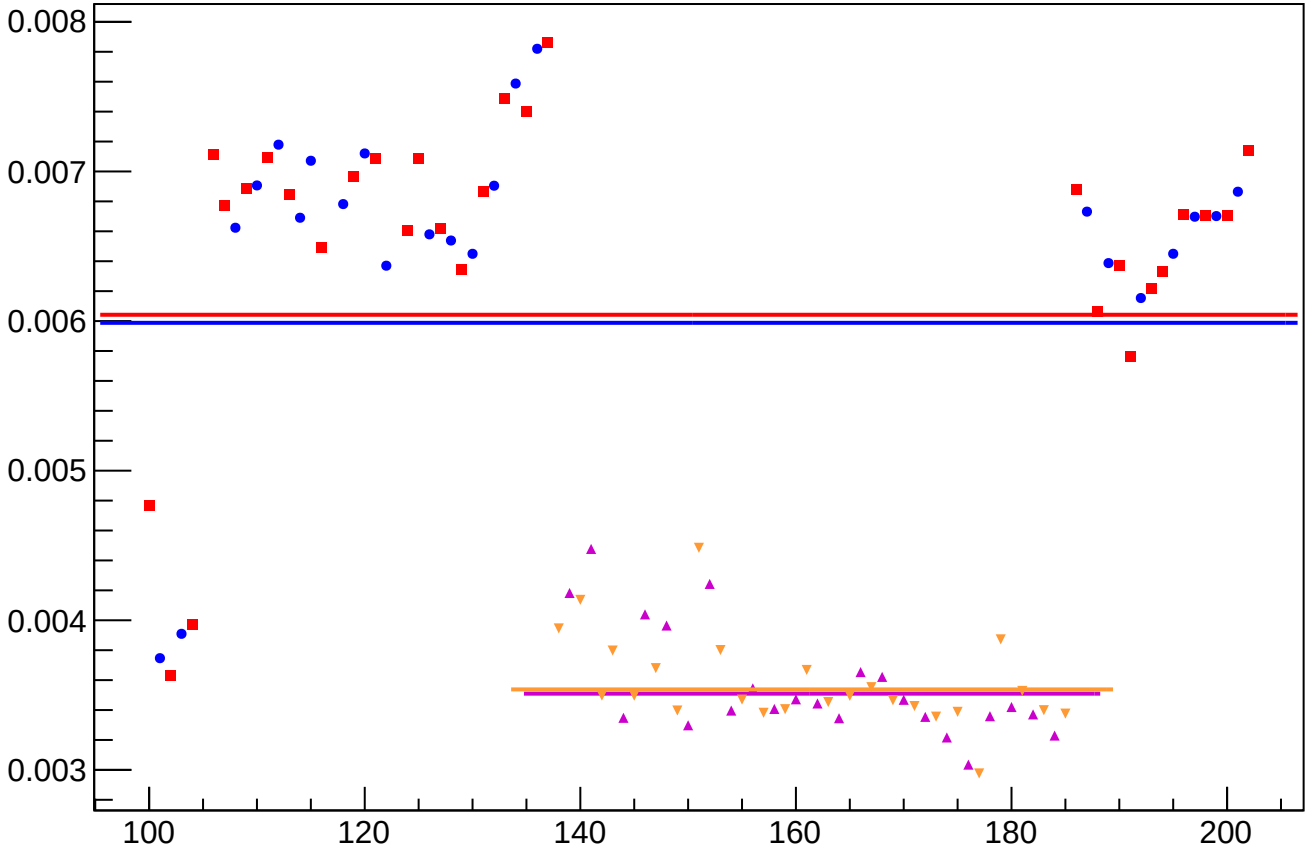
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.680+/-0.000 χ^2/NDF: 1105463610124.2/47

All: 0.662+/-0.000 χ^2/NDF: 2342045918710.

- sign 0.644+/-0.000 χ^2/NDF: 1235450966091.4/51

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1063886.2/22

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1140499.2/28

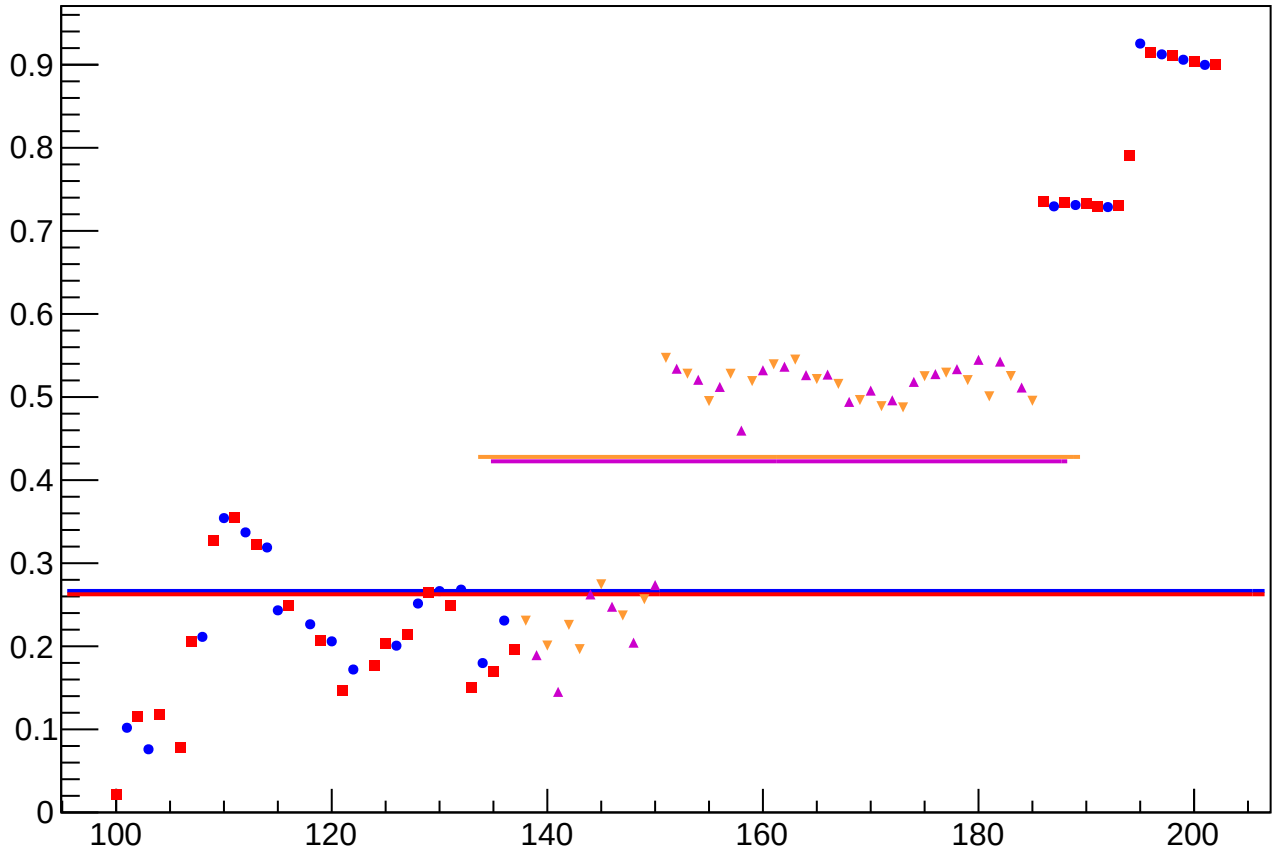
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 4343813.8/47

All: 0.004+/-0.000 χ^2/NDF: 9433445.2/99

- sign 0.004+/-0.000 χ^2/NDF: 5082758.5/51

yield_bpm2i01X_mean vs Slug



Right In: 0.267+/-0.000 χ^2/NDF: 122441511971.2/22

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.263+/-0.000 χ^2/NDF: 160098516233.8/28

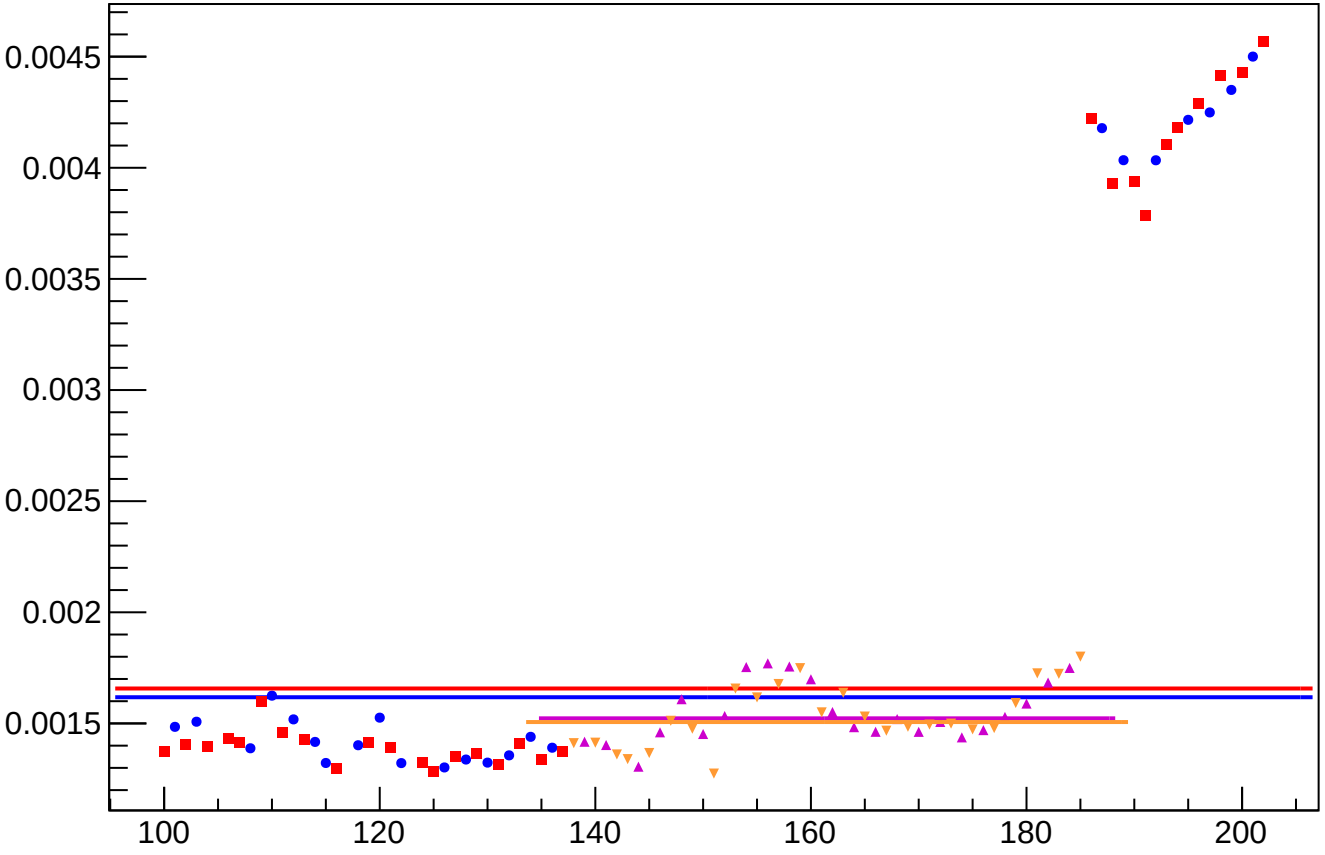
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.378+/-0.000 χ^2/NDF: 344282866087.0/47

All: 0.372+/-0.000 χ^2/NDF: 732933448025.4

- sign 0.366+/-0.000 χ^2/NDF: 387885507667.5/51

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4246918.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

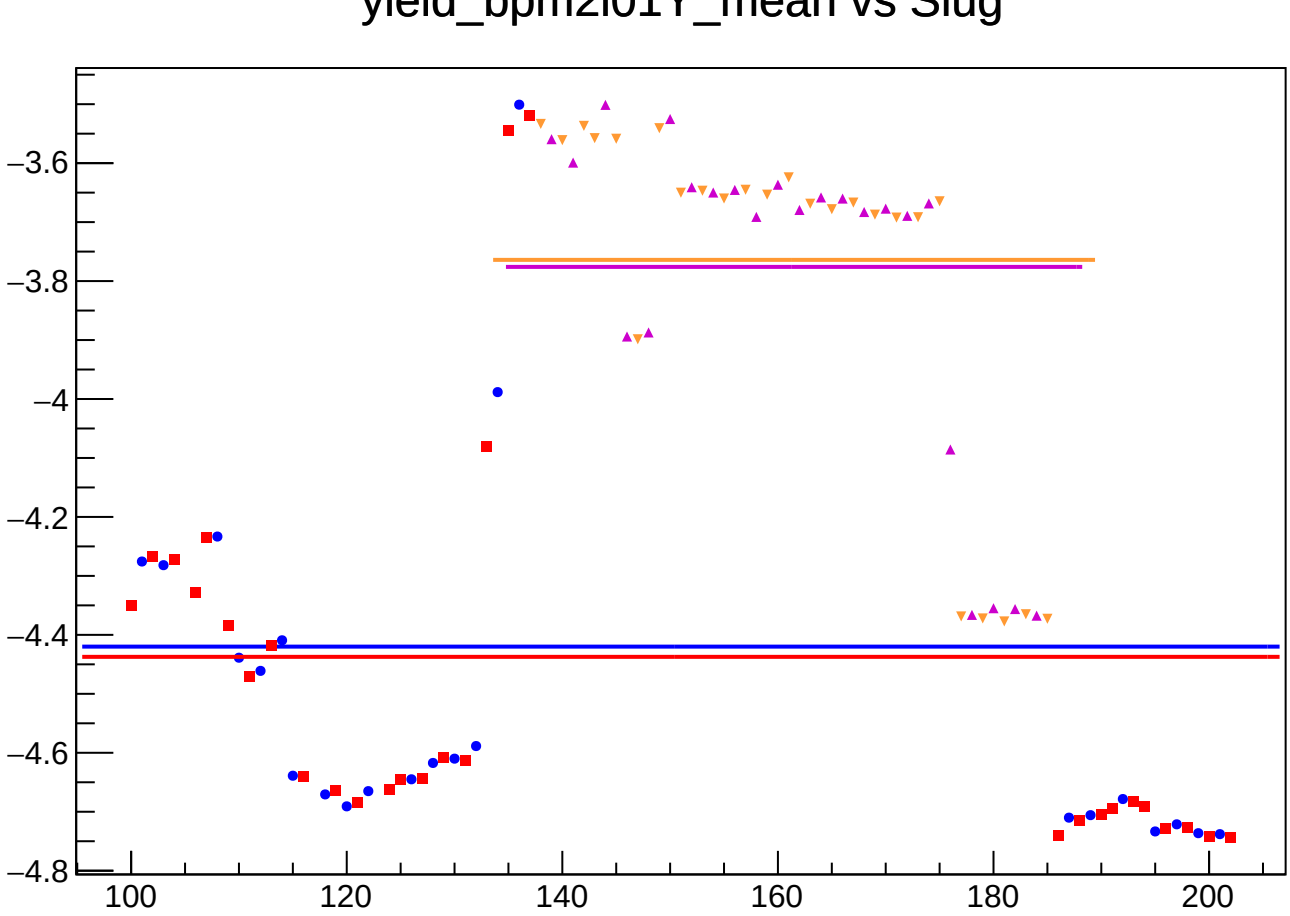
Right Out: 0.002+/-0.000 χ^2/NDF: 5794490.5/28

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 4590926.0/47

All: 0.002+/-0.000 χ^2/NDF: 10728354.7/99

- sign 0.002+/-0.000 χ^2/NDF: 6127241.3/51



Right In: -4.420+/-0.000 χ^2/NDF: 402573735459.0/22

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.437+/-0.000 χ^2/NDF: 360803504743.8/28

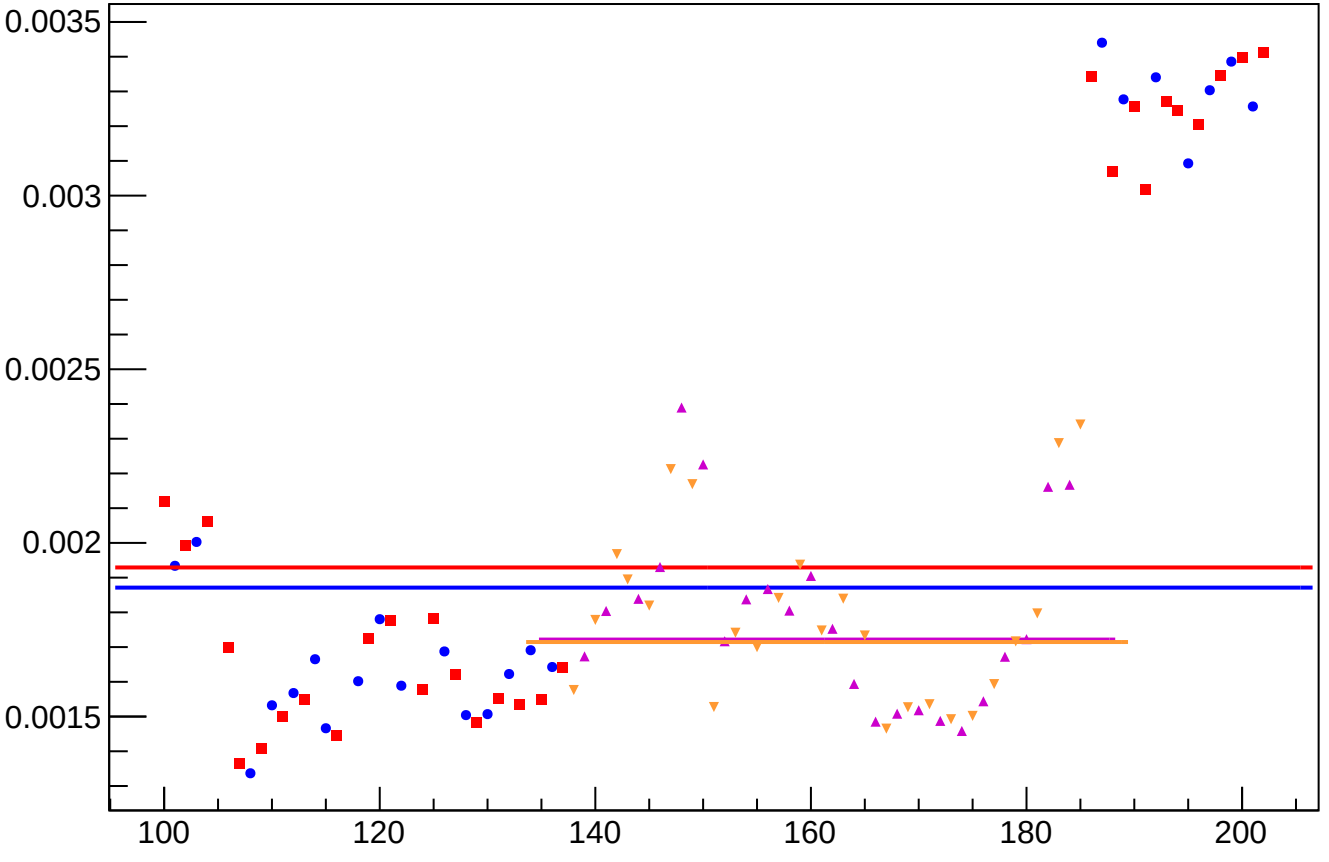
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.979+/-0.000 χ^2/NDF: 1777565524198.4/4

All: -3.998+/-0.000 χ^2/NDF: 3493984956378

- sign -4.017+/-0.000 χ^2/NDF: 1709717457753.9/51

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2327753.6/22

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3105874.0/28

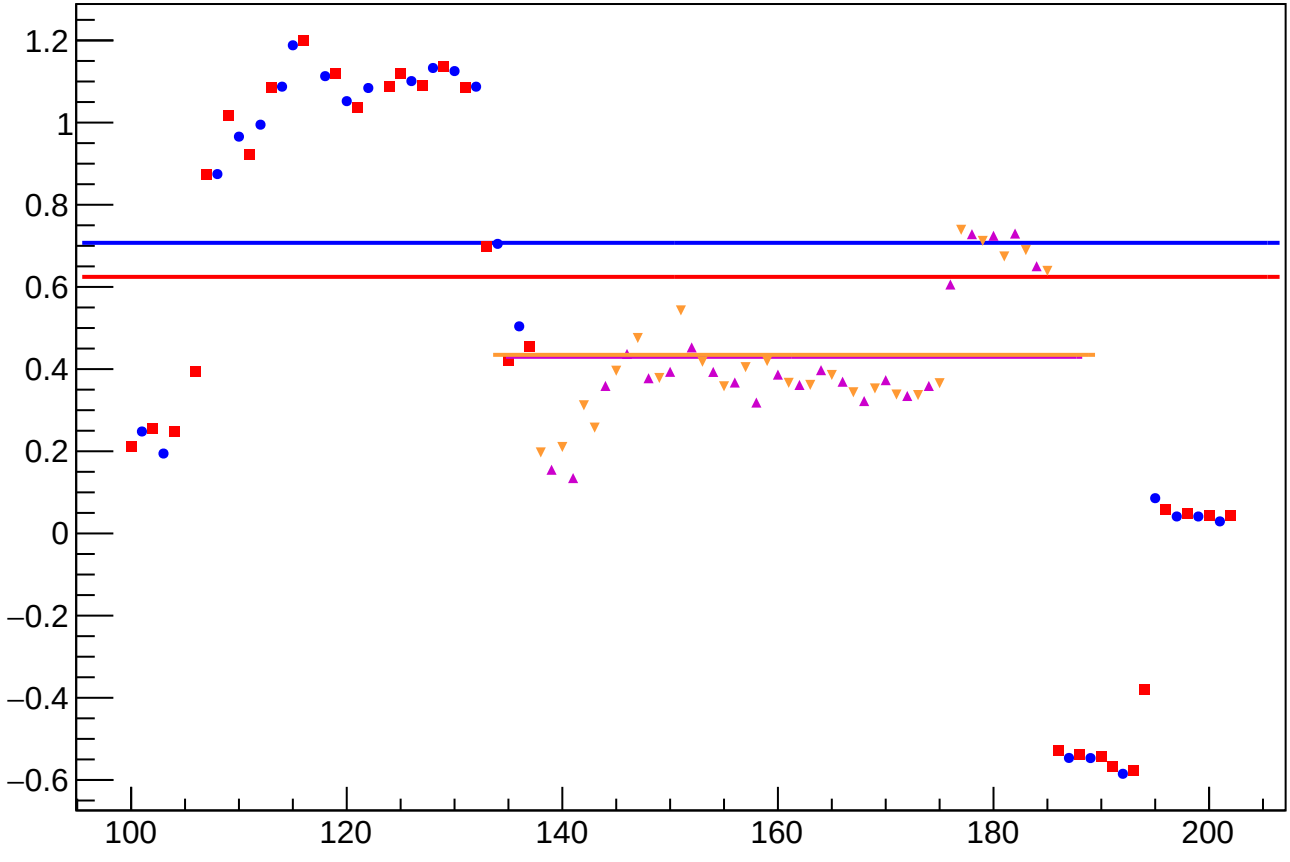
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 2991830.7/47

All: 0.002+/-0.000 χ^2/NDF: 6875390.4/99

- sign 0.002+/-0.000 χ^2/NDF: 3874347.5/51

yield_bpm2i02X_mean vs Slug



Right In: 0.707+/-0.000 χ^2/NDF: 59378067262.9/22

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.624+/-0.000 χ^2/NDF: 83276256543.2/28

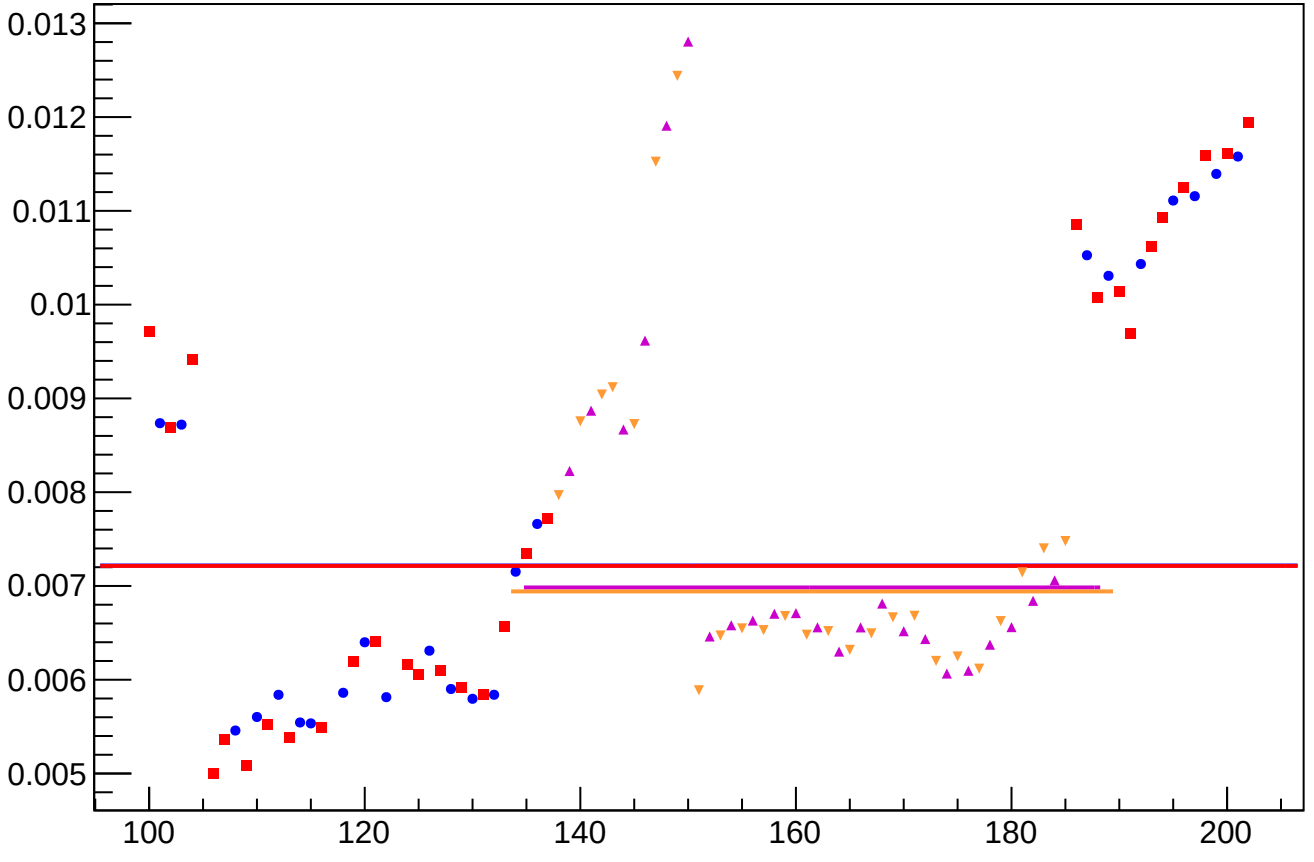
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.533+/-0.000 χ^2/NDF: 78265350819.2/47

All: 0.521+/-0.000 χ^2/NDF: 176396090452.4

- sign 0.510+/-0.000 χ^2/NDF: 97973355013.0/51

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 1829008.4/22

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

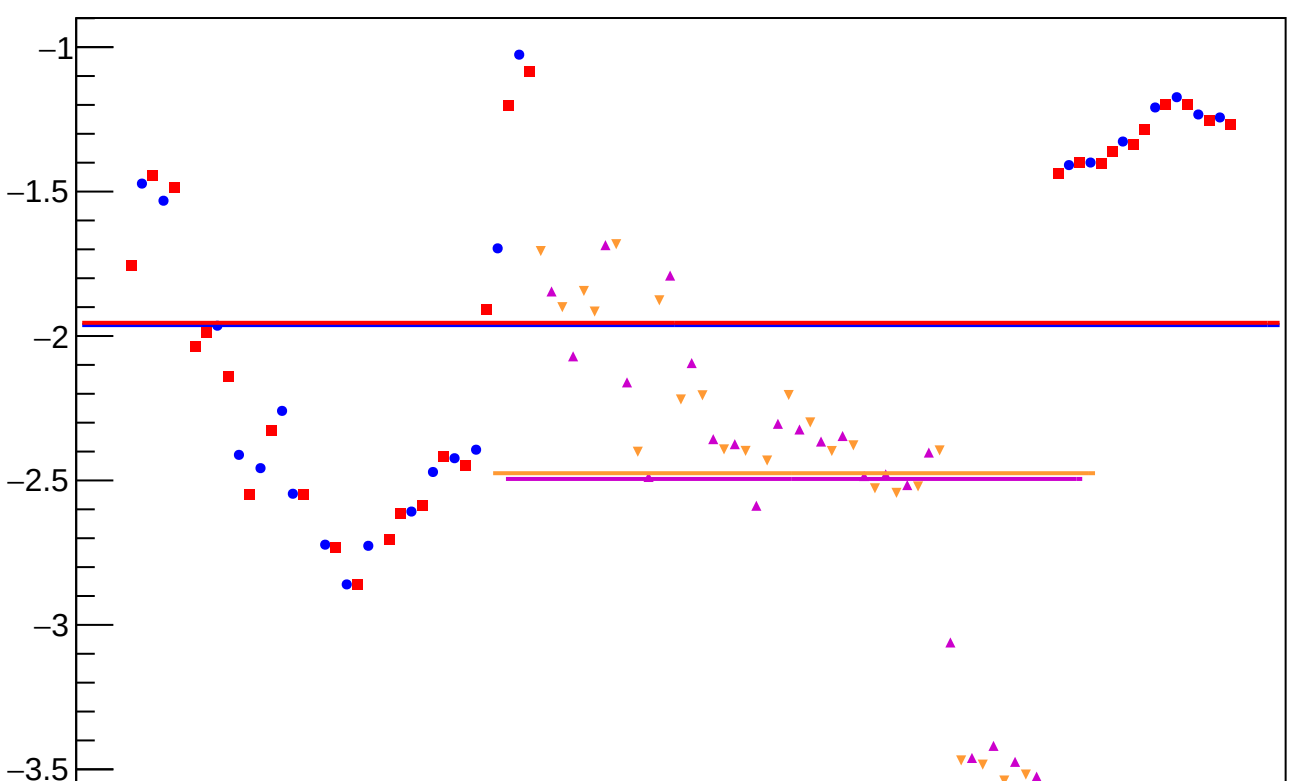
Right Out: 0.007+/-0.000 χ^2/NDF: 2612065.4/28

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 2941203.2/47

All: 0.007+/-0.000 χ^2/NDF: 6706472.8/99

- sign 0.007+/-0.000 χ^2/NDF: 3764407.4/51



Right In: -1.962+/-0.000 χ^2/NDF: 98184899276.2/22

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.954+/-0.000 χ^2/NDF: 99322728247.8/28

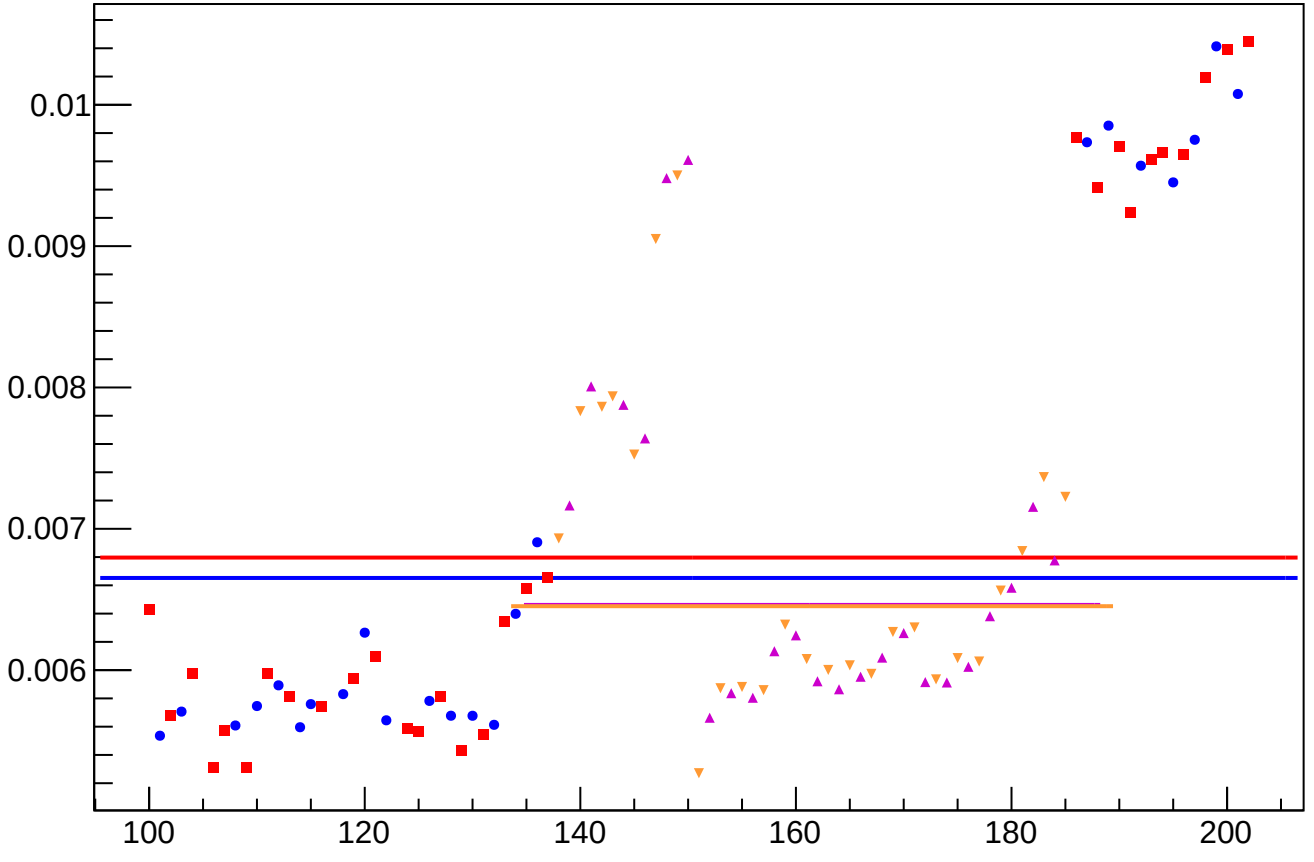
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.287+/-0.000 χ^2/NDF: 264843819554.1/47

All: -2.281+/-0.000 χ^2/NDF: 512050286384.

- sign -2.275+/-0.000 χ^2/NDF: 247148710370.5/51

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 1394050.1/22

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1868965.7/28

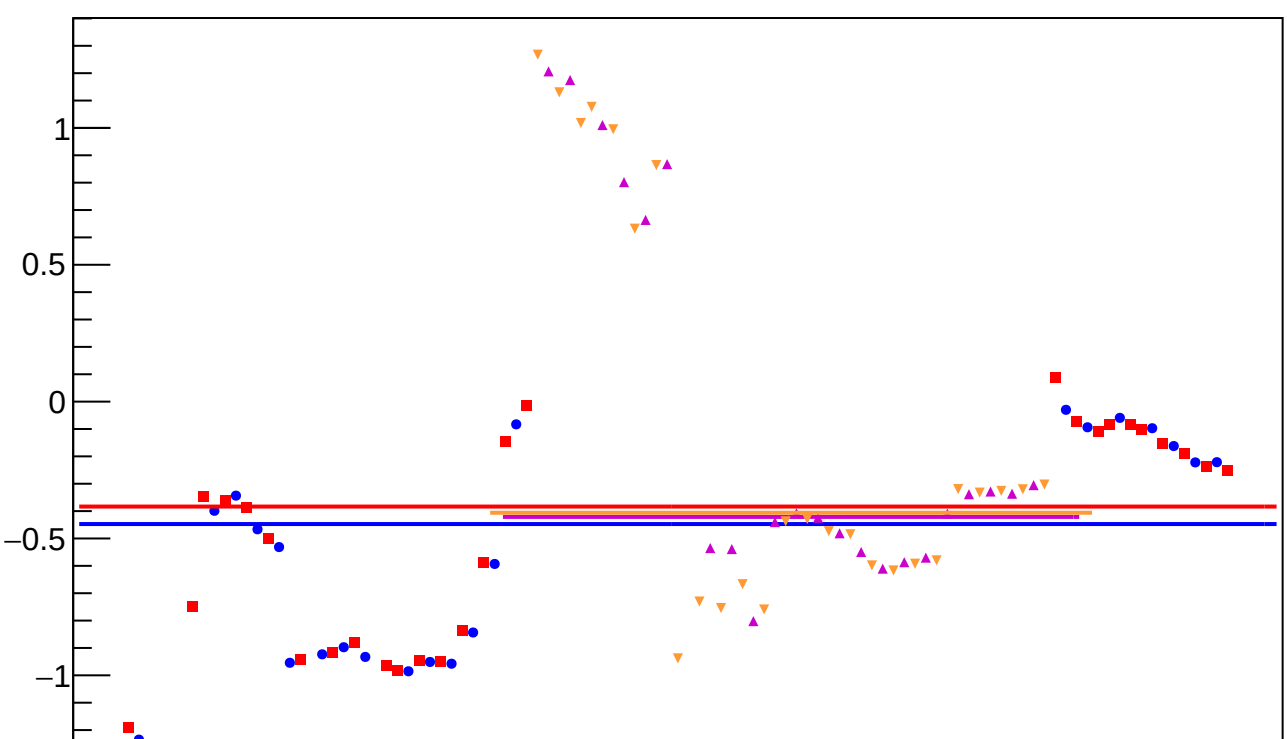
Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 2120566.3/47

All: 0.007+/-0.000 χ^2/NDF: 4753172.7/99

- sign 0.007+/-0.000 χ^2/NDF: 2628838.4/51

yield_bpm0i01X_mean vs Slug



Right In: -0.447+/-0.000 χ^2/NDF: 23347996366.4/22

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.383+/-0.000 χ^2/NDF: 26871937335.0/28

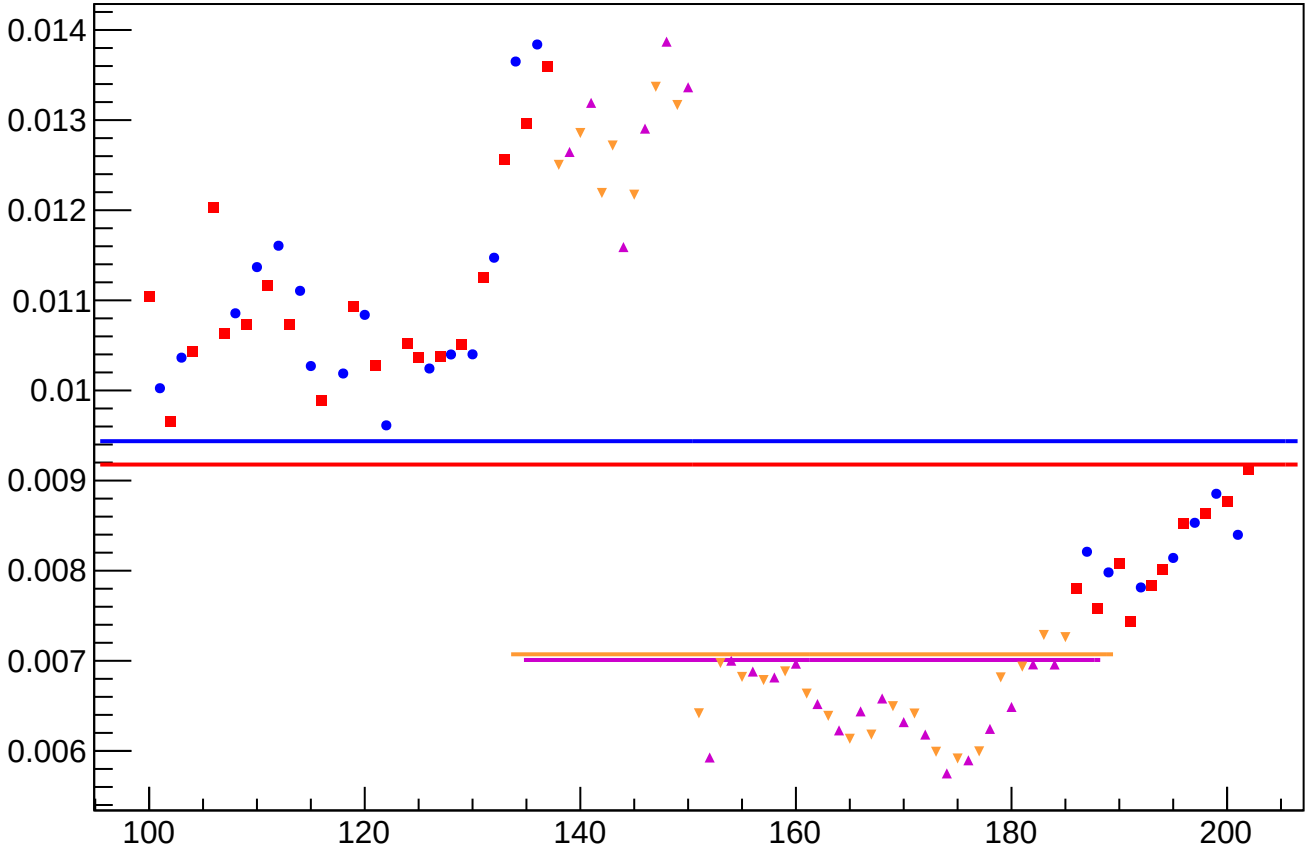
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.417+/-0.000 χ^2/NDF: 105146579094.5/47

All: -0.413+/-0.000 χ^2/NDF: 222436646231.4

- sign -0.409+/-0.000 χ^2/NDF: 117272755043.6/51

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 621734.6/22

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

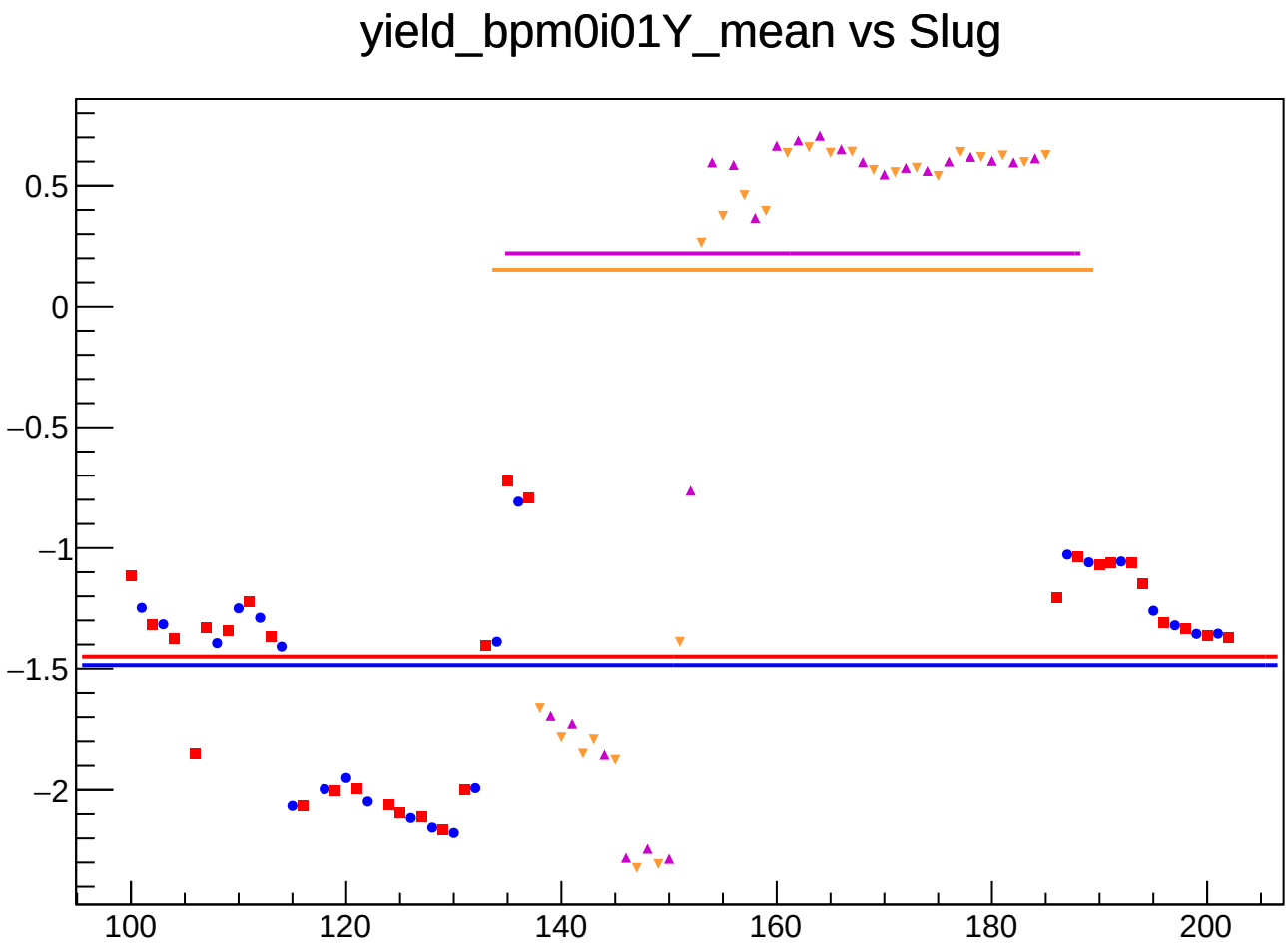
Right Out: 0.009+/-0.000 χ^2/NDF: 675185.5/28

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4085462.4/47

All: 0.008+/-0.000 χ^2/NDF: 8264521.0/99

- sign 0.008+/-0.000 χ^2/NDF: 4179056.6/51



Right In: -1.486+/-0.000 χ^2/NDF: 181910872954.5/22

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.450+/-0.000 χ^2/NDF: 171860614350.4/28

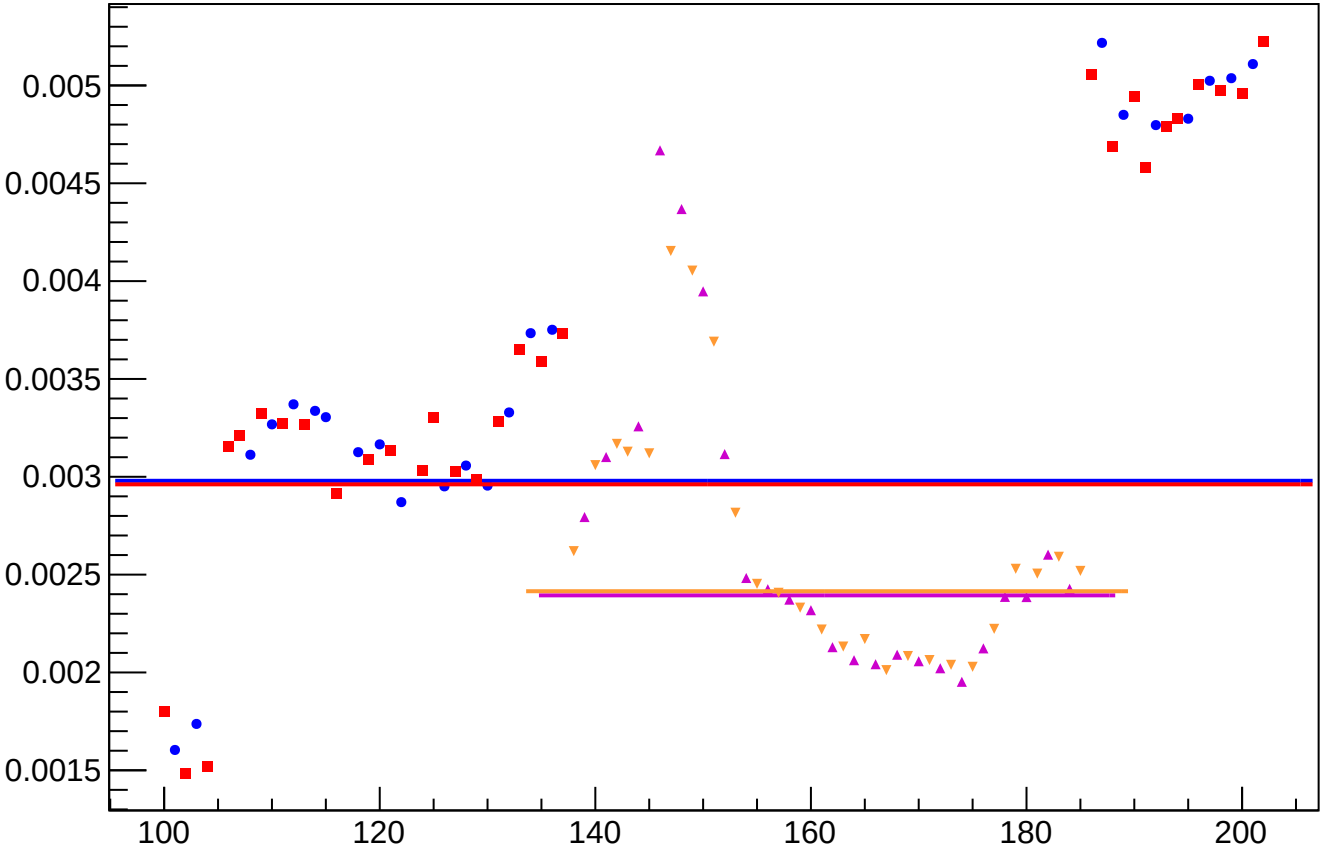
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.304+/-0.000 χ^2/NDF: 4766719763005.1/4

All: -0.308+/-0.000 χ^2/NDF: 9539256091951

- sign -0.312+/-0.000 χ^2/NDF: 4772402047614.4/51

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3068136.3/22

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

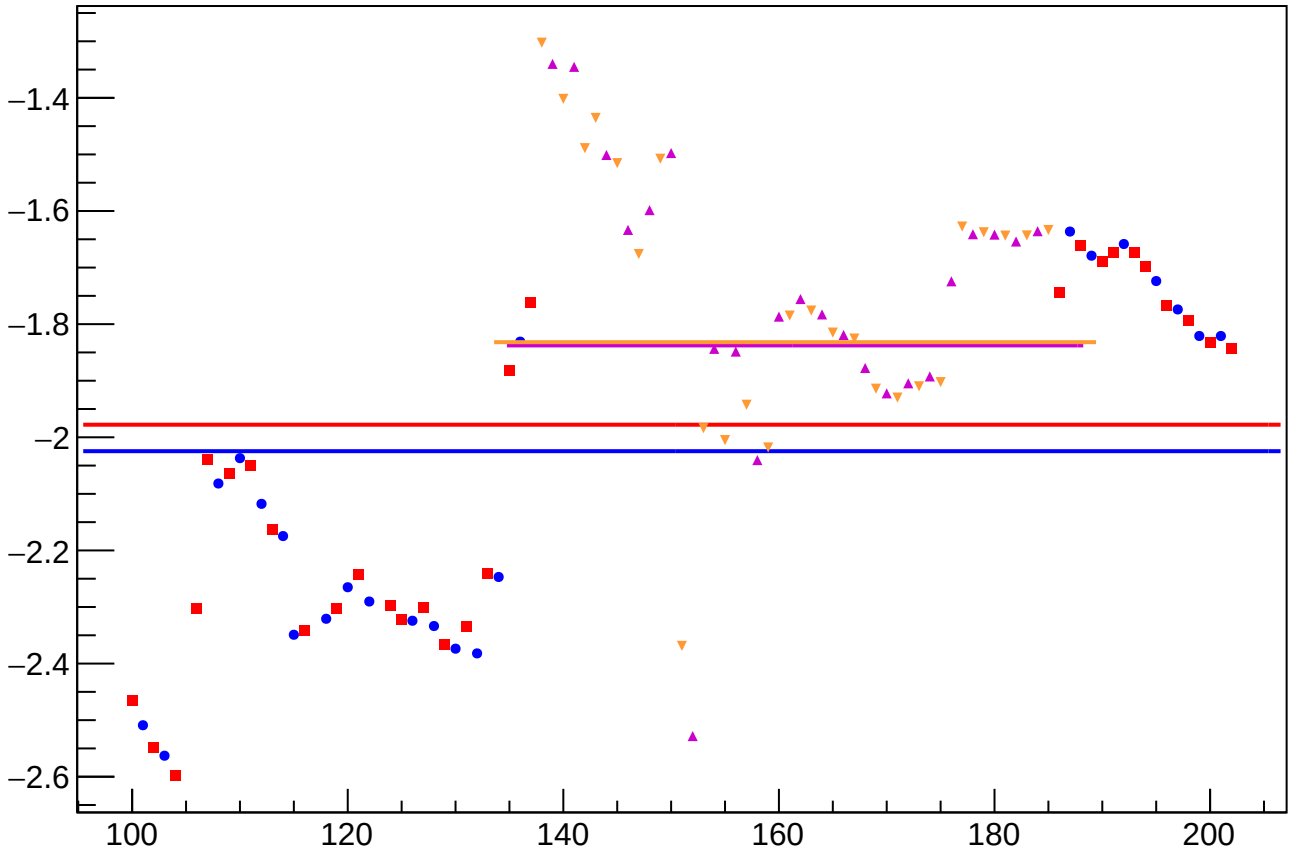
Right Out: 0.003+/-0.000 χ^2/NDF: 4338840.9/28

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 4807610.2/47

All: 0.003+/-0.000 χ^2/NDF: 11127907.0/99

- sign 0.003+/-0.000 χ^2/NDF: 6320271.2/51



Right In: -2.025+/-0.000 χ^2/NDF: 31440229614.8/22

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.978+/-0.000 χ^2/NDF: 36811253376.4/28

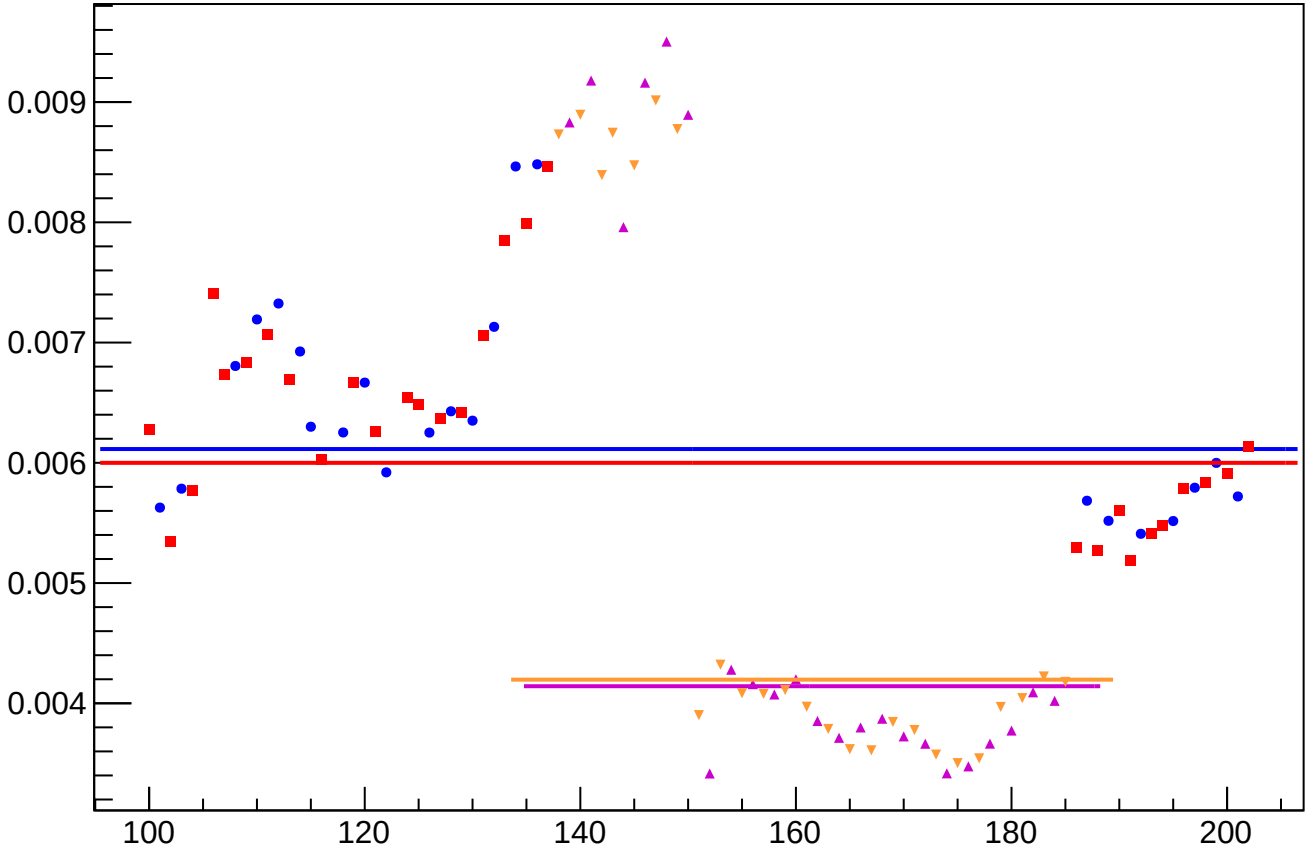
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.879+/-0.000 χ^2/NDF: 78661600901.2/47

All: -1.879+/-0.000 χ^2/NDF: 174302852754.8

- sign -1.878+/-0.000 χ^2/NDF: 95641096254.5/51

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 365366.7/22

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 378152.1/28

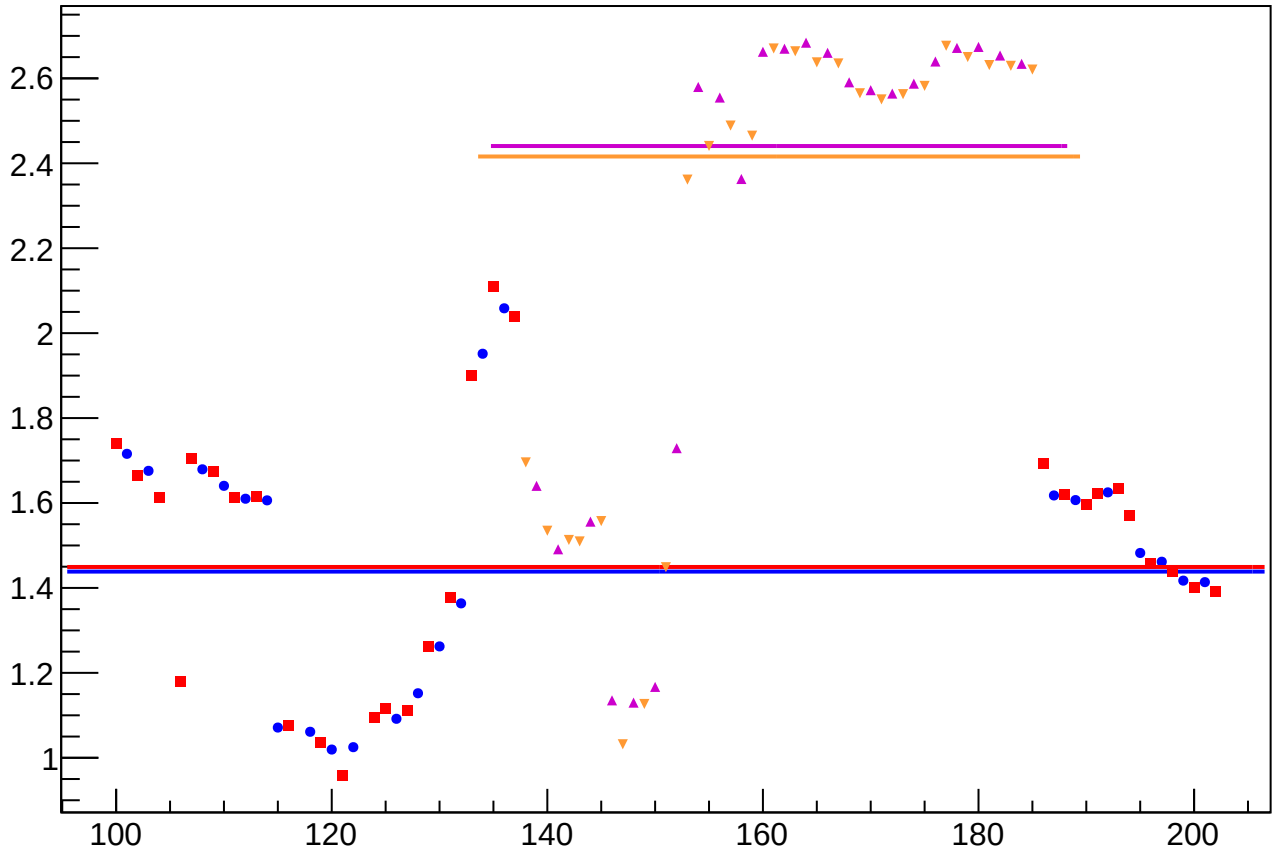
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5211679.4/47

All: 0.005+/-0.000 χ^2/NDF: 10678775.9/99

- sign 0.005+/-0.000 χ^2/NDF: 5466649.4/51

yield_bpm0i01aY_mean vs Slug



Right In: 1.438+/-0.000 χ^2/NDF: 191313316079.4/22

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.449+/-0.000 χ^2/NDF: 186460148211.8/28

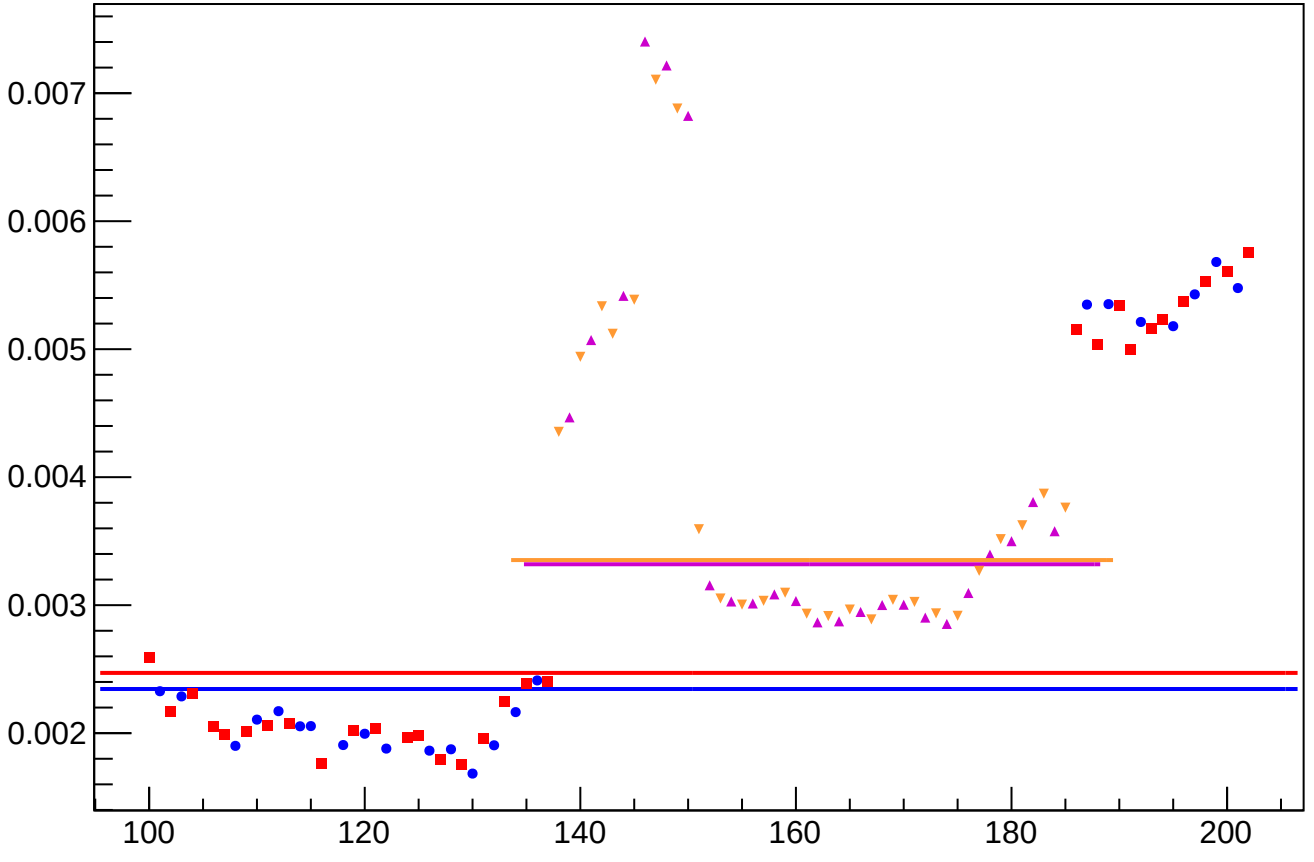
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.891+/-0.000 χ^2/NDF: 1230717613086.0/47

All: 1.889+/-0.000 χ^2/NDF: 2462956443583.

- sign 1.887+/-0.000 χ^2/NDF: 1232202836511.8/51

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3703515.5/22

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

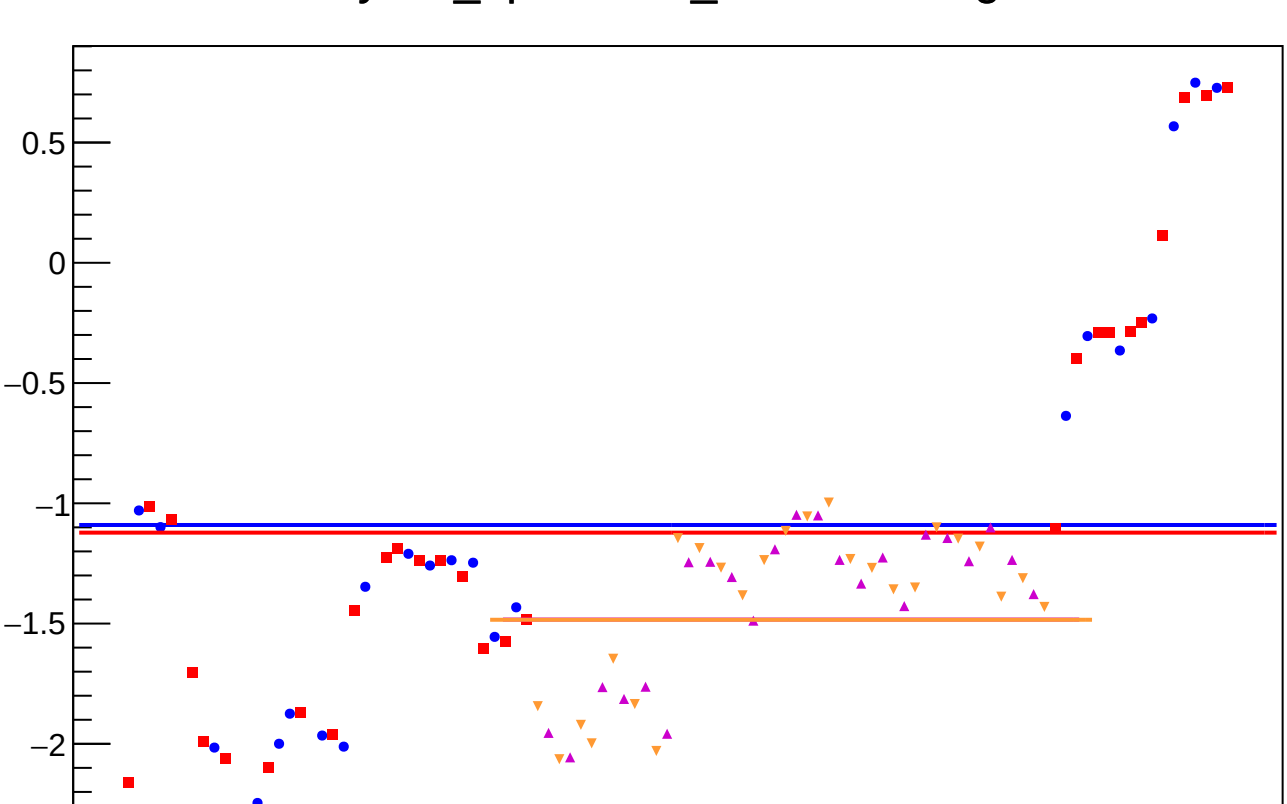
Right Out: 0.002+/-0.000 χ^2/NDF: 4800949.4/28

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 7215122.6/47

All: 0.003+/-0.000 χ^2/NDF: 15269280.3/99

- sign 0.003+/-0.000 χ^2/NDF: 8050363.3/51



Right In: -1.090+/-0.000 χ^2/NDF: 131034683491.2/22

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.122+/-0.000 χ^2/NDF: 174964767242.1/28

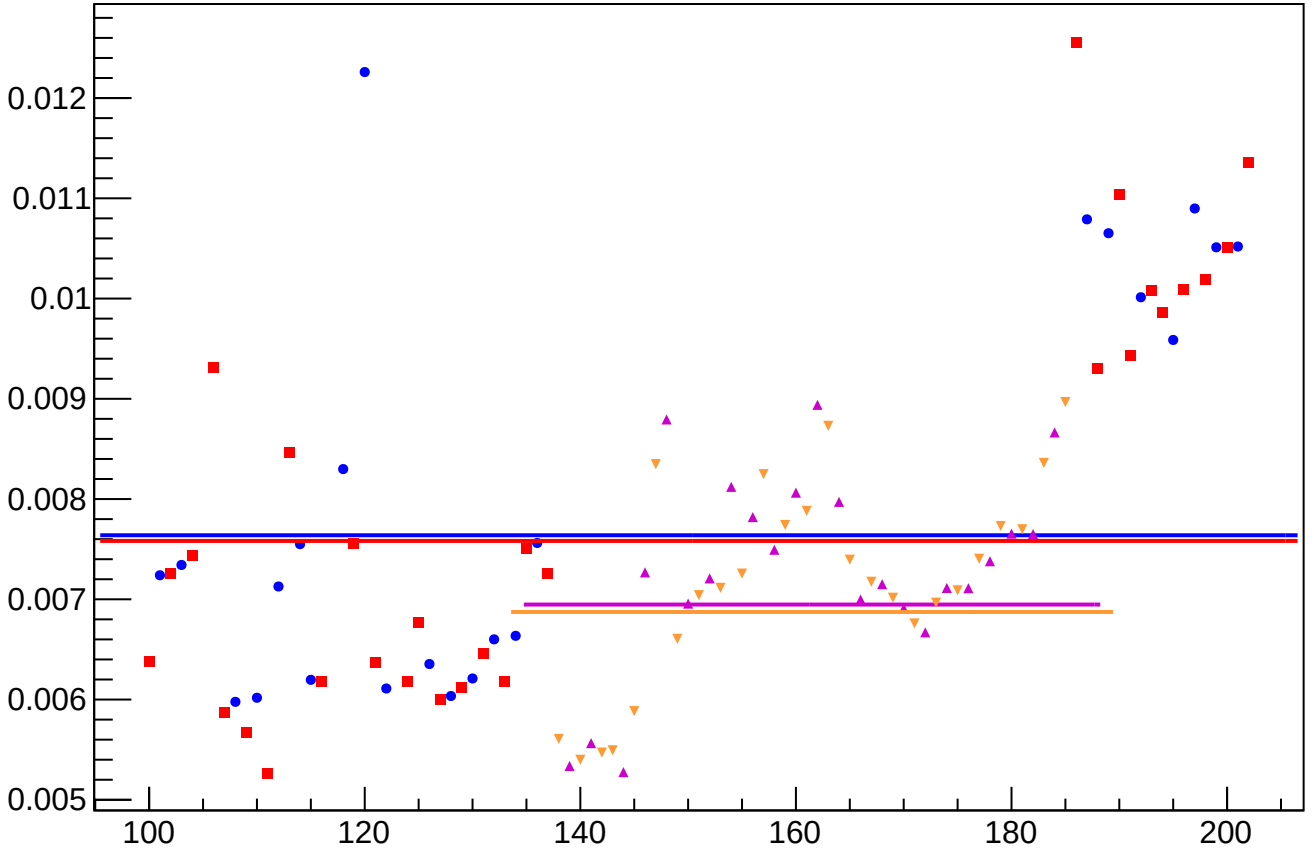
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.354+/-0.000 χ^2/NDF: 199075436784.5/47

All: -1.348+/-0.000 χ^2/NDF: 432517550858.6

- sign -1.341+/-0.000 χ^2/NDF: 233394207799.0/51

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1135380.6/22

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

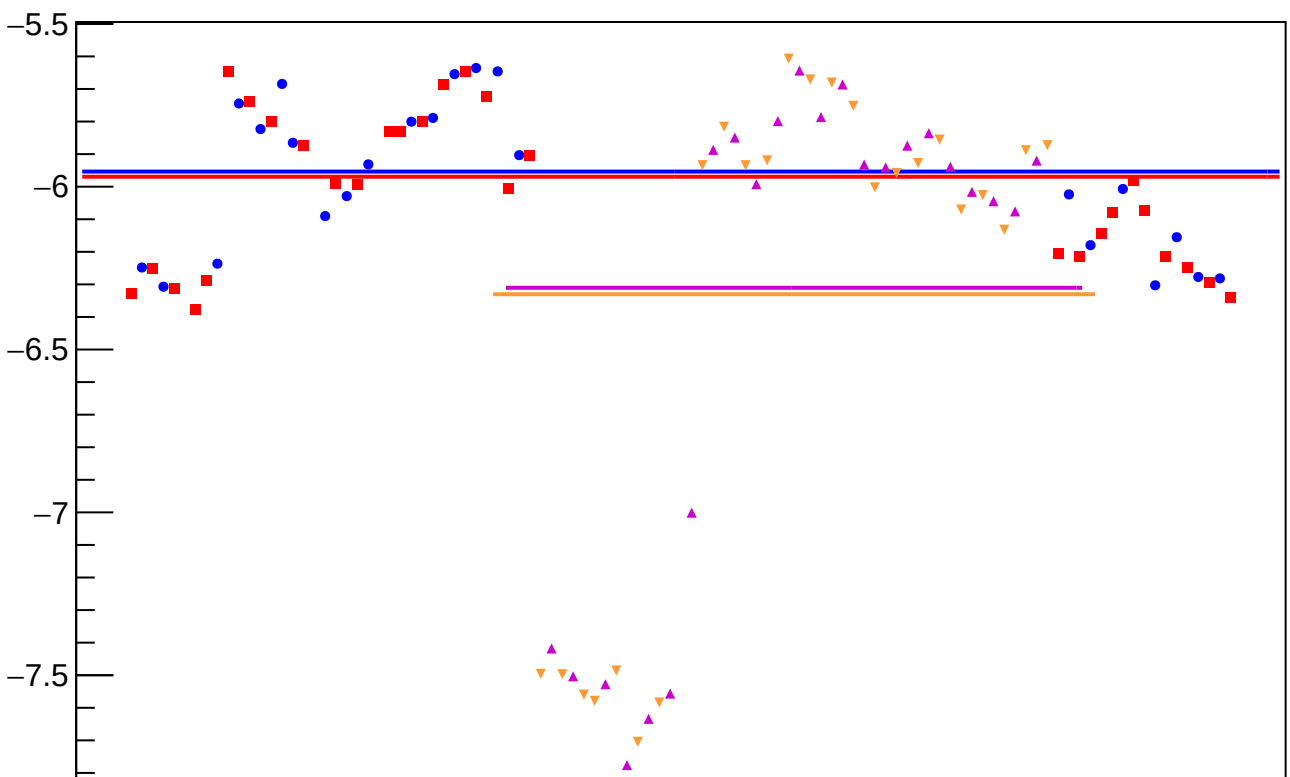
Right Out: 0.008+/-0.000 χ^2/NDF: 1590314.9/28

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 2028650.9/47

All: 0.007+/-0.000 χ^2/NDF: 4480218.0/99

- sign 0.007+/-0.000 χ^2/NDF: 2448670.6/51



Right In: -5.954+/-0.000 χ^2/NDF: 13945638797.2/22

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.969+/-0.000 χ^2/NDF: 15350034062.2/28

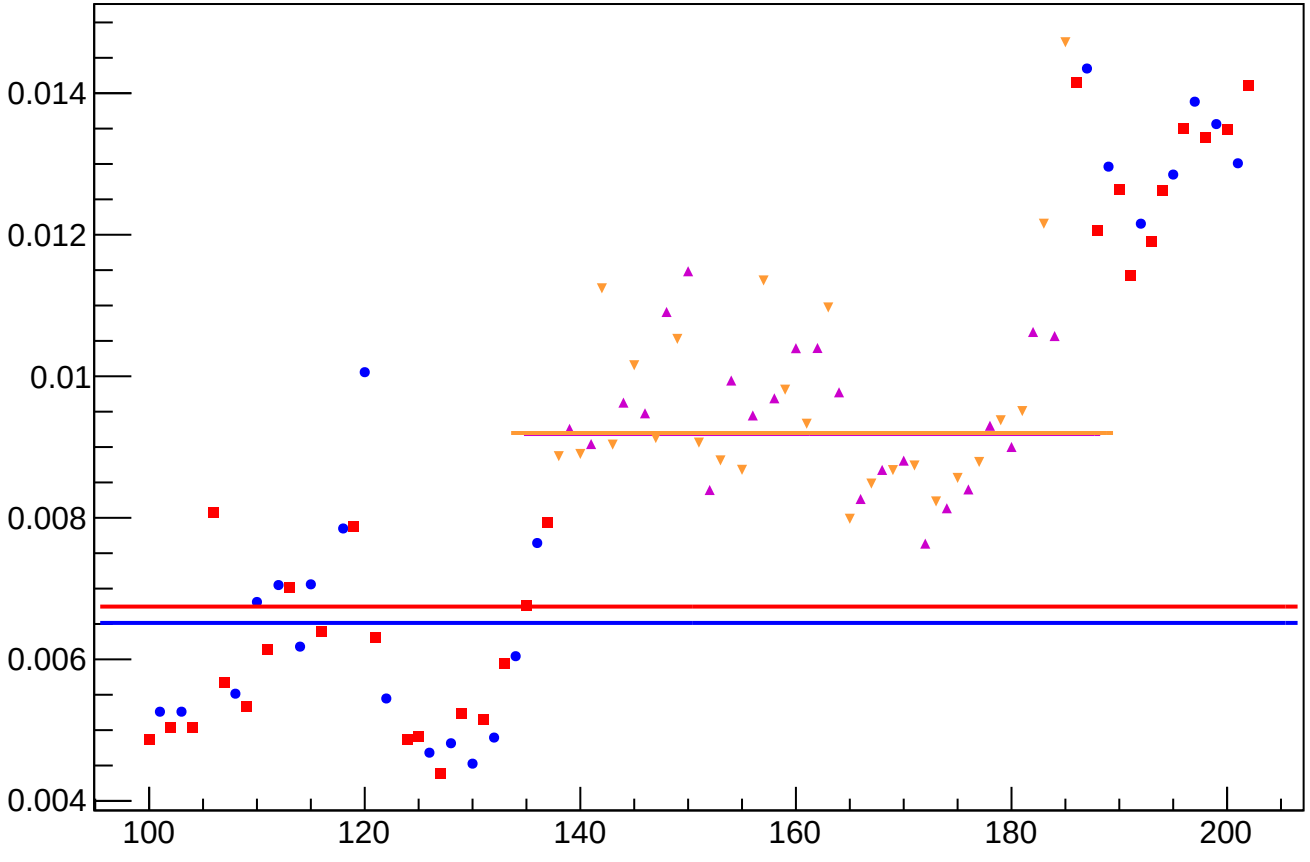
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.126+/-0.000 χ^2/NDF: 138977063777.6/47

All: -6.119+/-0.000 χ^2/NDF: 258354506669.1

- sign -6.113+/-0.000 χ^2/NDF: 119343110327.2/51

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3335718.4/22

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4110531.6/28

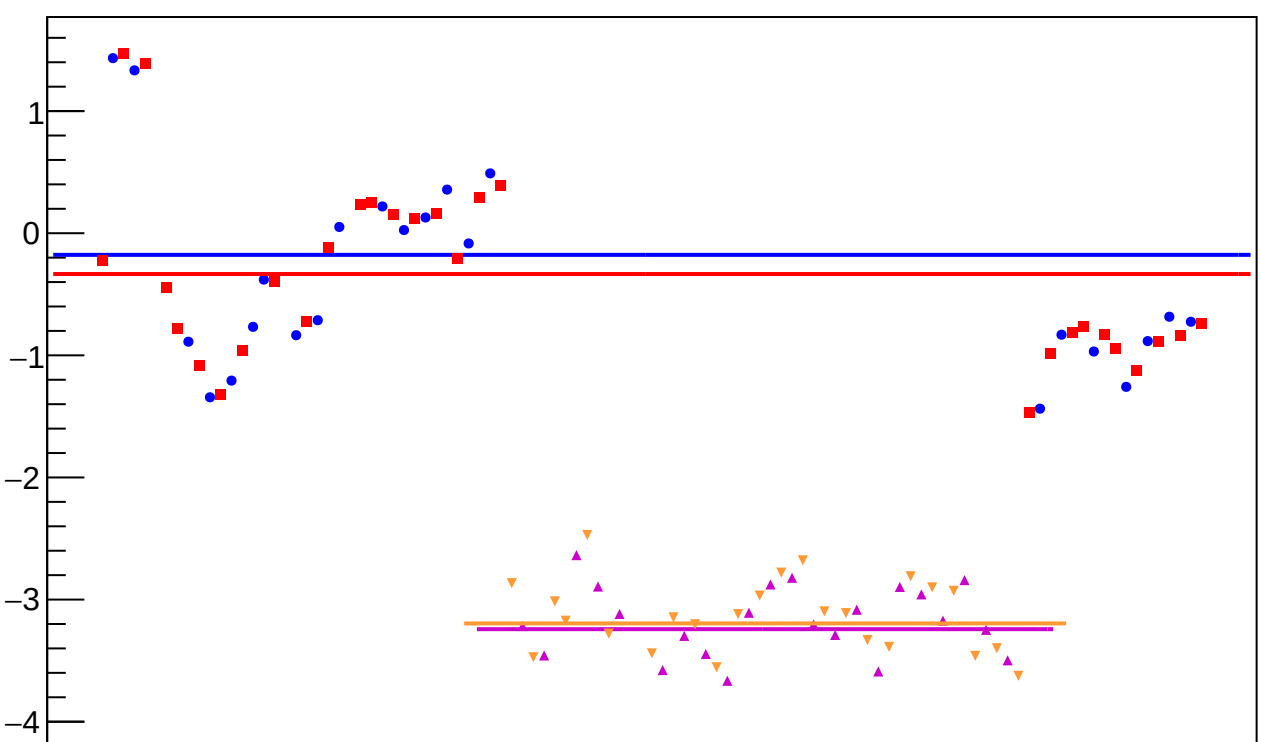
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 5195687.2/47

All: 0.008+/-0.000 χ^2/NDF: 10883960.0/99

- sign 0.008+/-0.000 χ^2/NDF: 5687854.9/51

yield_bpm0l02X_mean vs Slug



Right In: -0.177+/-0.000 χ^2/NDF: 30631429744.5/22

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.334+/-0.000 χ^2/NDF: 33943880130.4/28

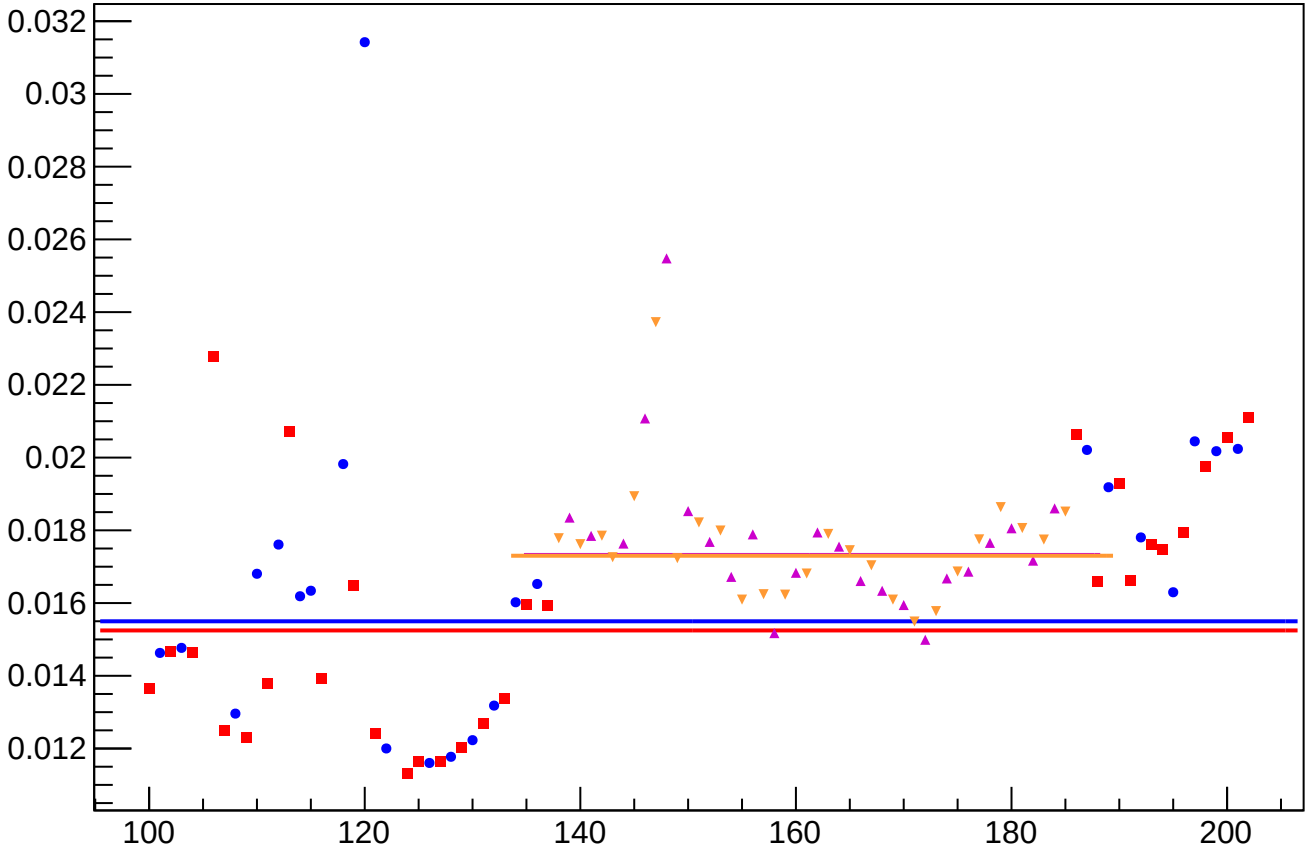
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.912+/-0.000 χ^2/NDF: 280505275368.0/47

All: -1.856+/-0.000 χ^2/NDF: 567505165536.8

- sign -1.803+/-0.000 χ^2/NDF: 286333962464.2/51

yield_bpm0l02X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 962808.9/22

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1066462.0/28

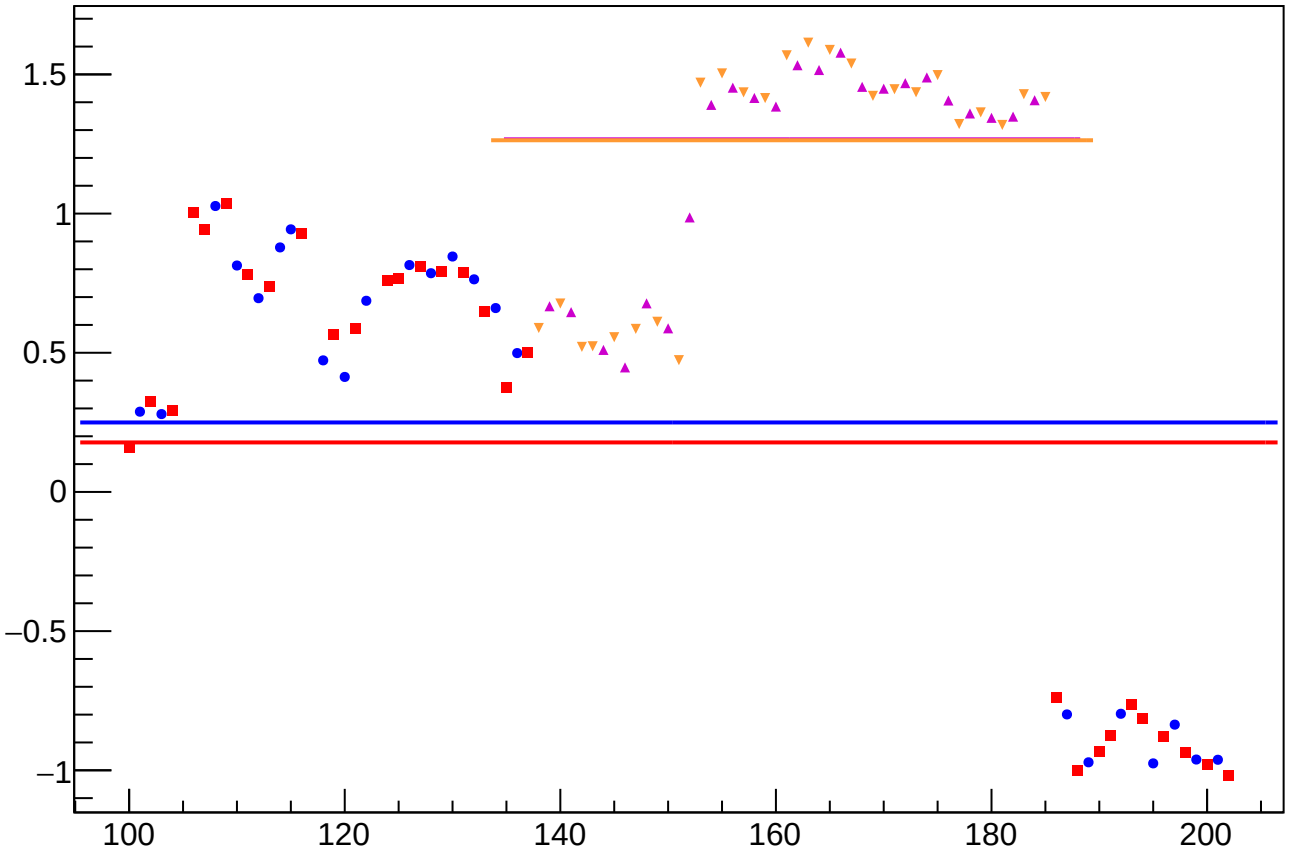
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 1352292.8/47

All: 0.016+/-0.000 χ^2/NDF: 3004072.3/99

- sign 0.016+/-0.000 χ^2/NDF: 1645382.1/51

yield_bpm0l02Y_mean vs Slug



Right In: 0.250+/-0.000 χ^2/NDF: 57719274040.6/22

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.178+/-0.000 χ^2/NDF: 76708820402.6/28

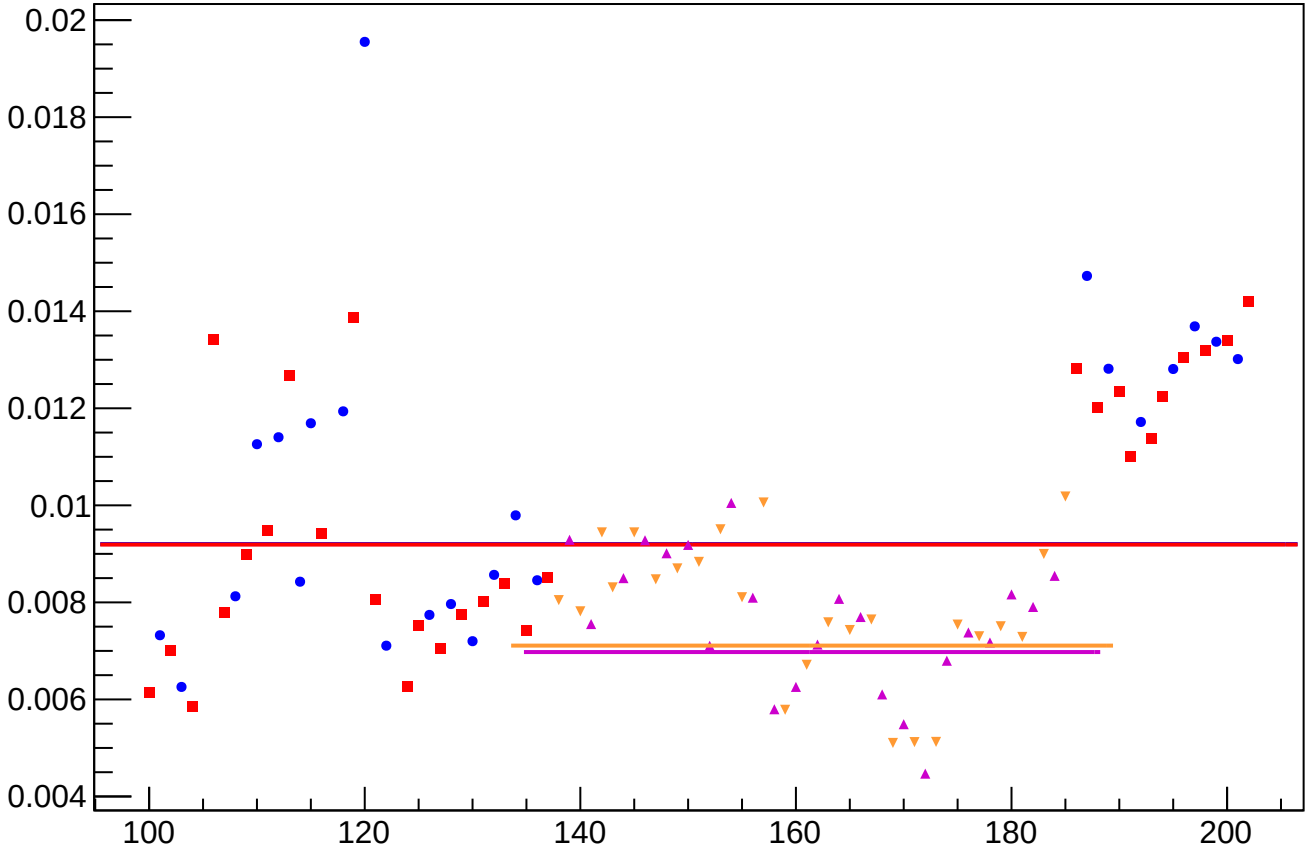
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.990+/-0.000 χ^2/NDF: 196508788099.2/47

All: 0.961+/-0.000 χ^2/NDF: 433249070495.4

- sign 0.932+/-0.000 χ^2/NDF: 235947737572.1/51

yield_bpm0l02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1674902.1/22

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

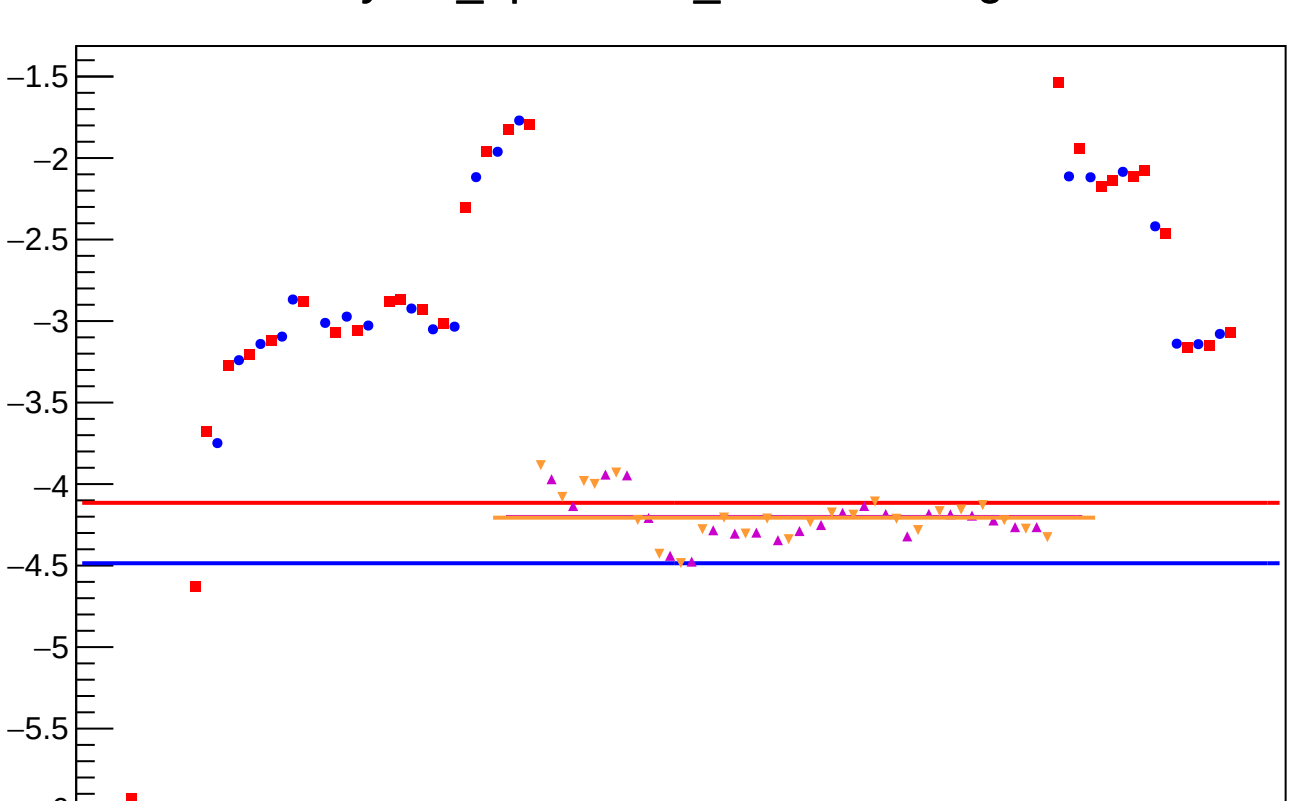
Right Out: 0.009+/-0.000 χ^2/NDF: 2048173.4/28

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 3988149.9/47

All: 0.008+/-0.000 χ^2/NDF: 8500195.8/99

- sign 0.008+/-0.000 χ^2/NDF: 4511923.3/51



Right In: -4.486+/-0.000 χ^2/NDF: 265473511956.7/22

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.115+/-0.000 χ^2/NDF: 297604891419.7/28

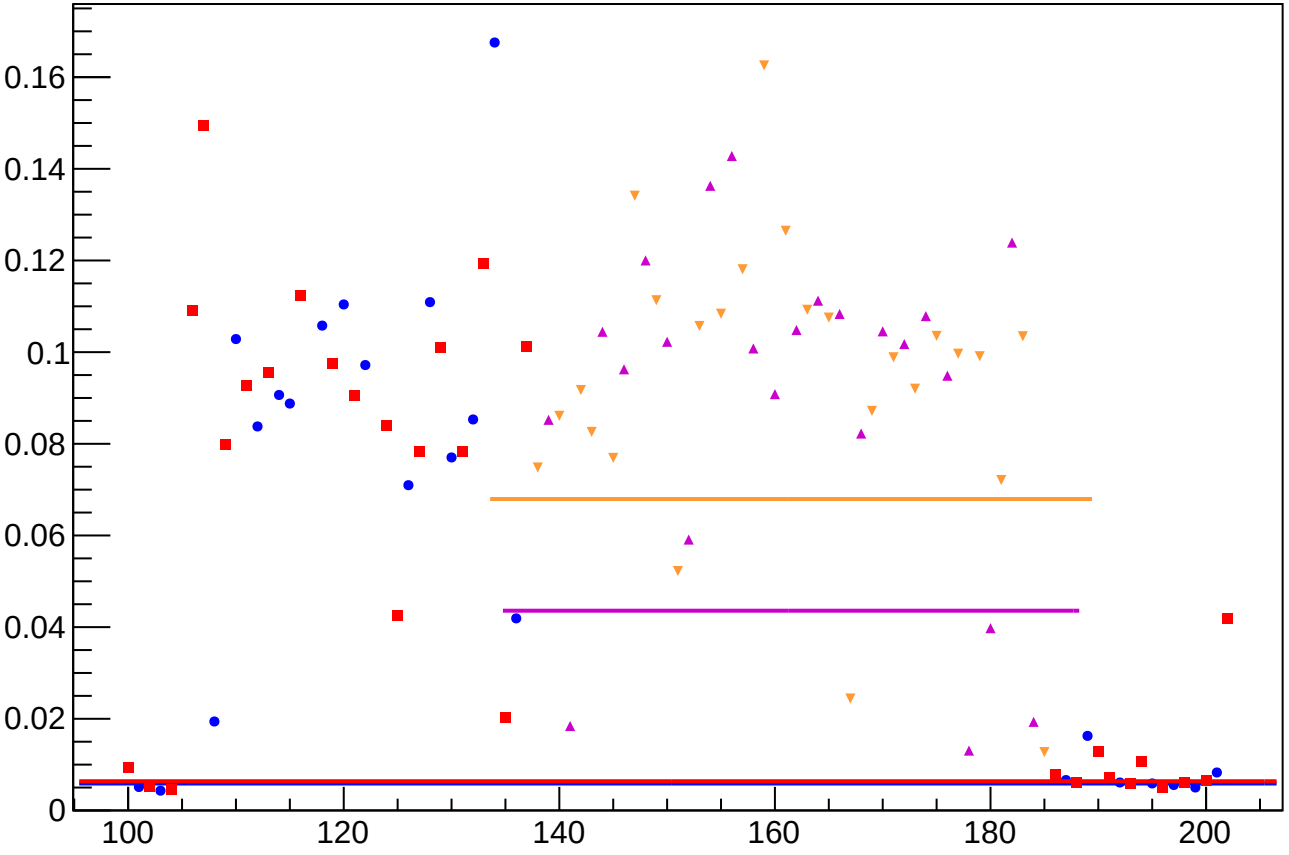
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.478+/-0.000 χ^2/NDF: 265737353279.9/47

All: -4.306+/-0.000 χ^2/NDF: 569448836182.4

- sign -4.119+/-0.000 χ^2/NDF: 297676964766.5/51

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8861894.5/22

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

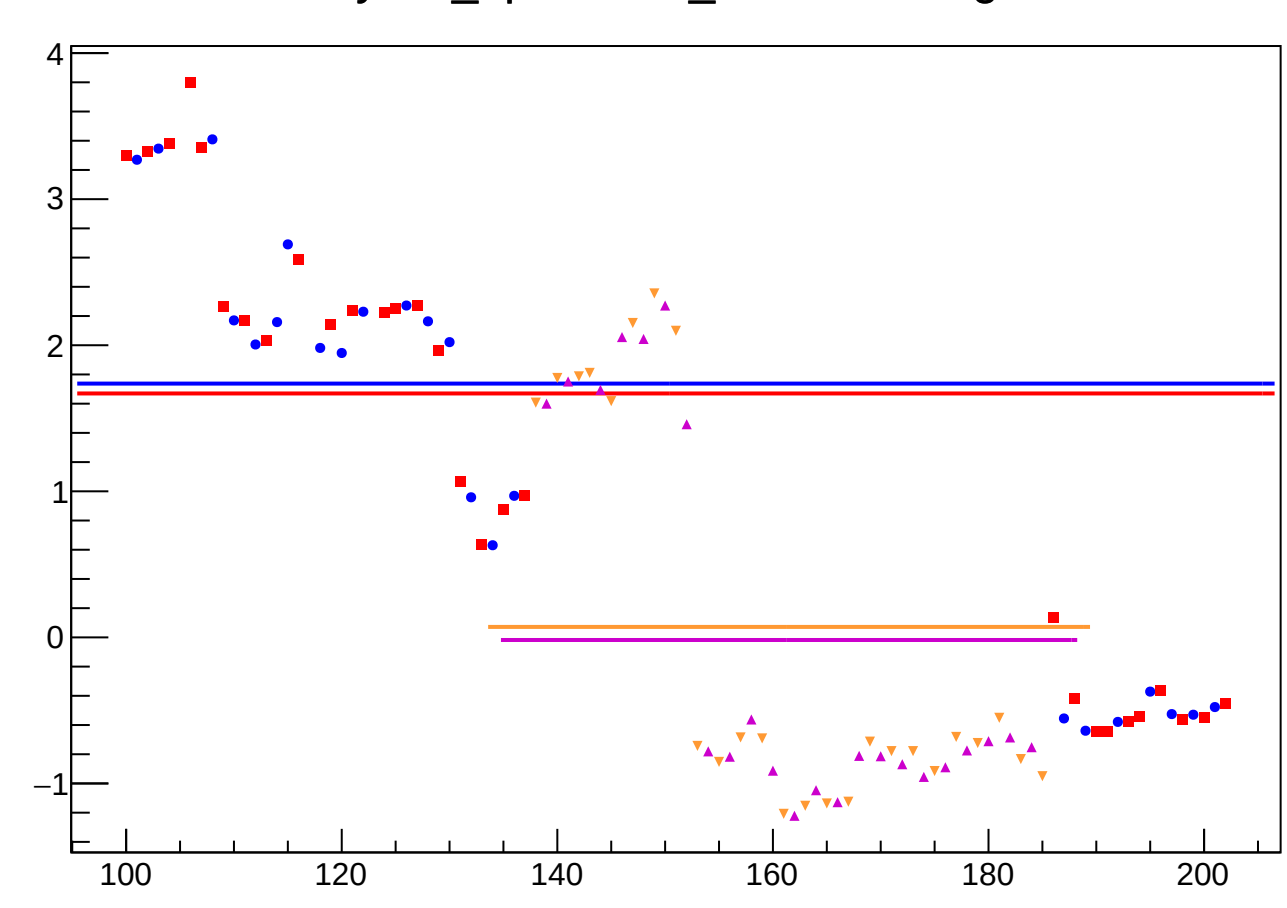
Right Out: 0.006+/-0.000 χ^2/NDF: 9426292.6/28

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 36438135.7/47

All: 0.008+/-0.000 χ^2/NDF: 69462499.5/99

- sign 0.008+/-0.000 χ^2/NDF: 33001438.1/51



Right In: 1.737+/-0.000 χ^2/NDF: 181050745795.3/22

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.670+/-0.000 χ^2/NDF: 182193029145.9/28

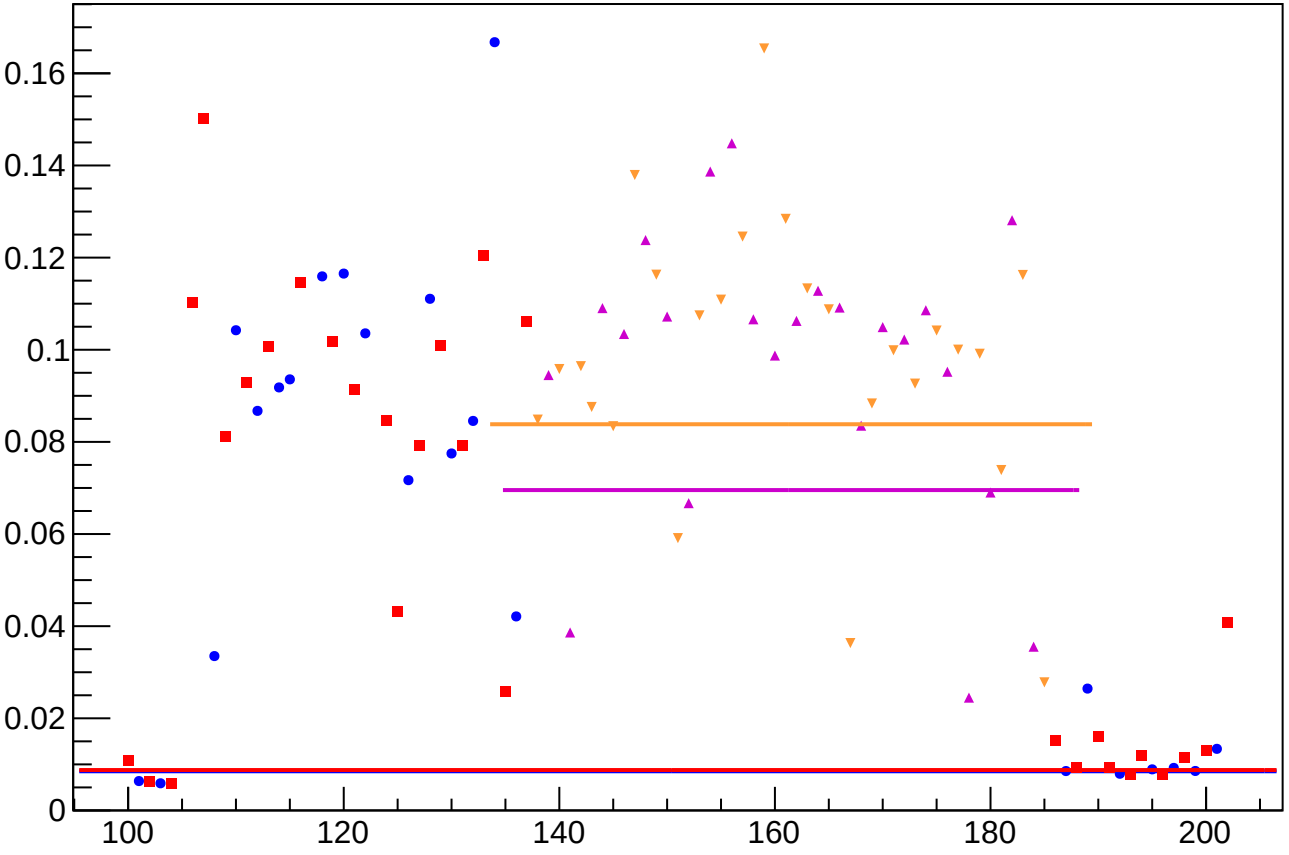
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.674+/-0.000 χ^2/NDF: 190177785572.3/47

All: 1.635+/-0.000 χ^2/NDF: 382468311799.0

- sign 1.595+/-0.000 χ^2/NDF: 192123104019.0/51

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 8680661.5/22

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

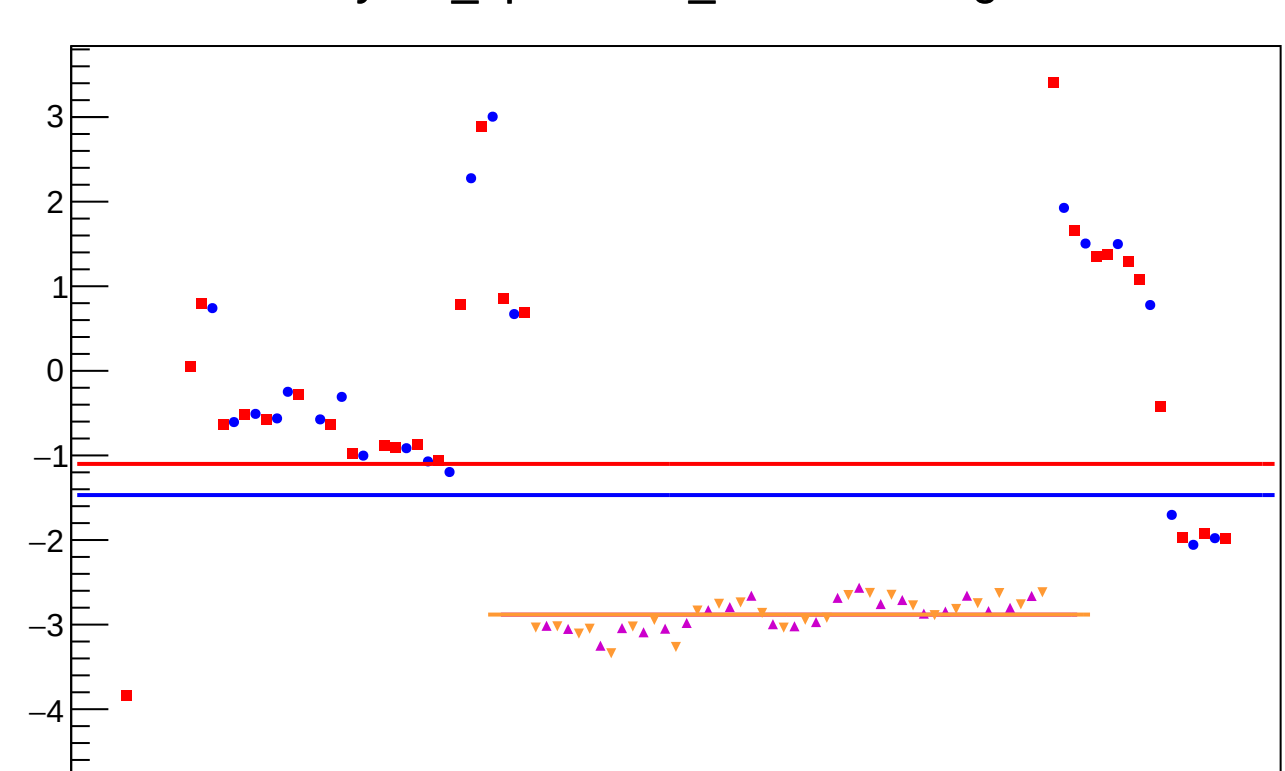
Right Out: 0.009+/-0.000 χ^2/NDF: 9234253.5/28

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 34969996.4/47

All: 0.011+/-0.000 χ^2/NDF: 67690398.5/99

- sign 0.011+/-0.000 χ^2/NDF: 32720018.3/51



Right In: -1.469+/-0.000 χ^2/NDF: 207271329688.1/22

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.100+/-0.000 χ^2/NDF: 234042687475.8/28

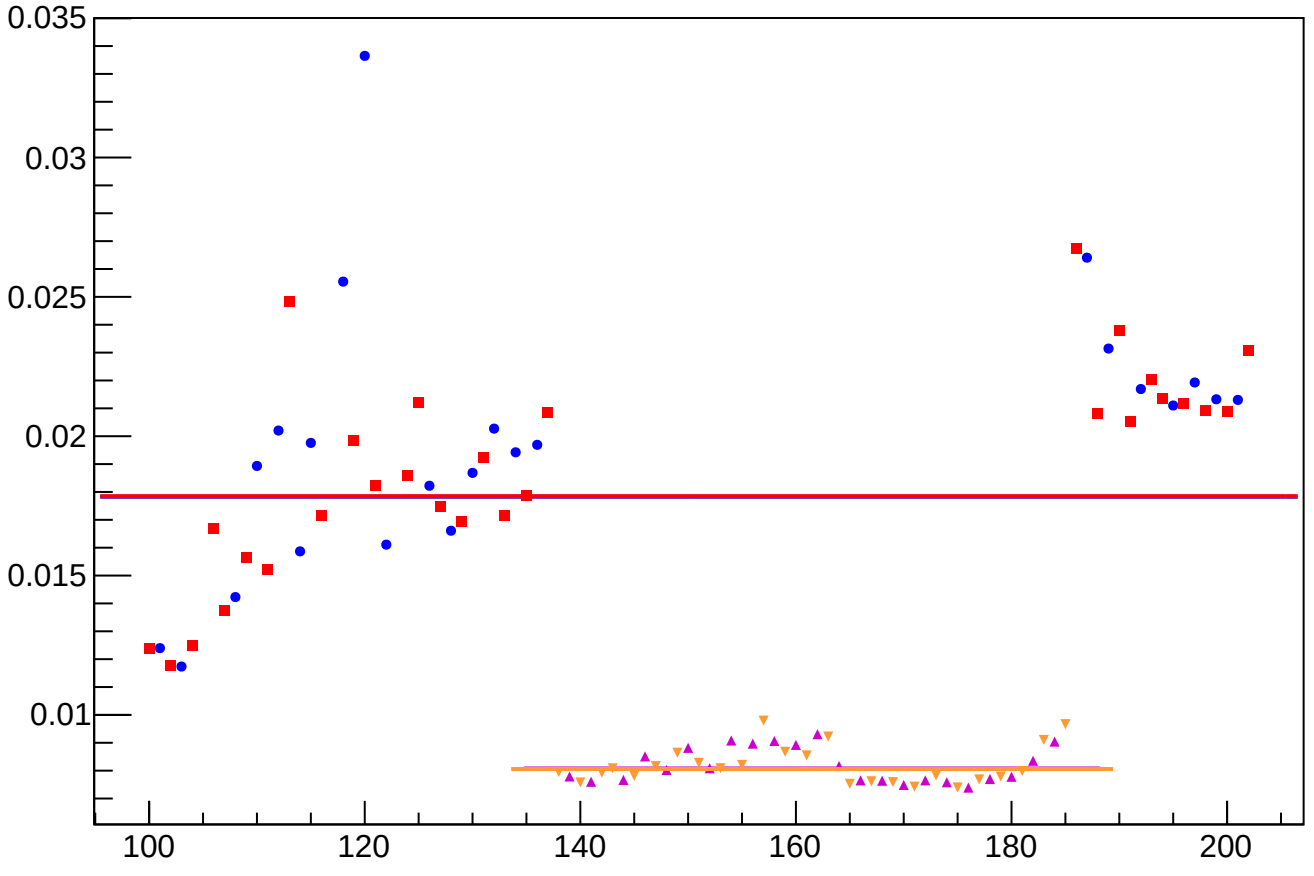
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.734+/-0.000 χ^2/NDF: 277024509692.2/47

All: -2.692+/-0.000 χ^2/NDF: 632157663690.4

- sign -2.648+/-0.000 χ^2/NDF: 353994517809.0/51

yield_bpm0l04X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1217182.7/22

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1210471.7/28

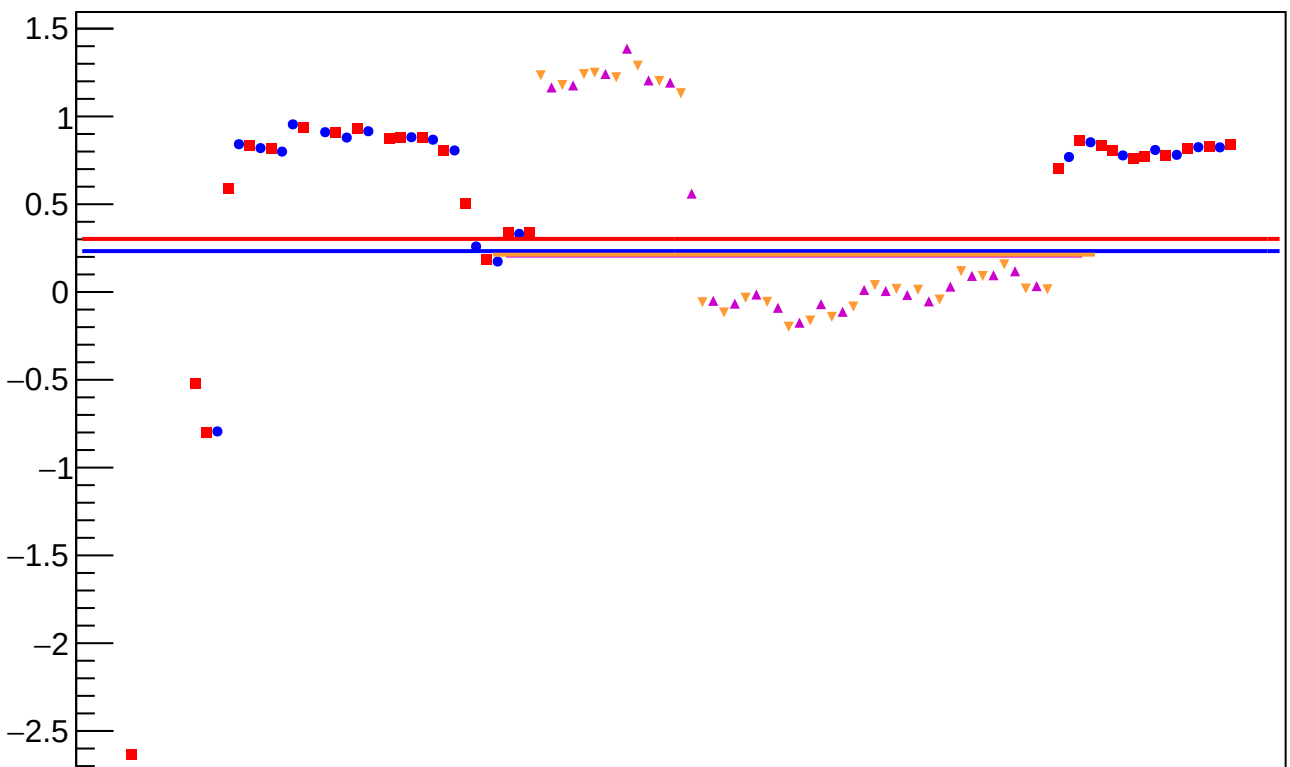
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 7068797.0/47

All: 0.009+/-0.000 χ^2/NDF: 15196984.4/99

- sign 0.009+/-0.000 χ^2/NDF: 8103296.5/51

yield_bpm0l04Y_mean vs Slug



Right In: 0.233+/-0.000 χ^2/NDF: 933722190645.0/22

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.303+/-0.000 χ^2/NDF: 1033790318838.5/28

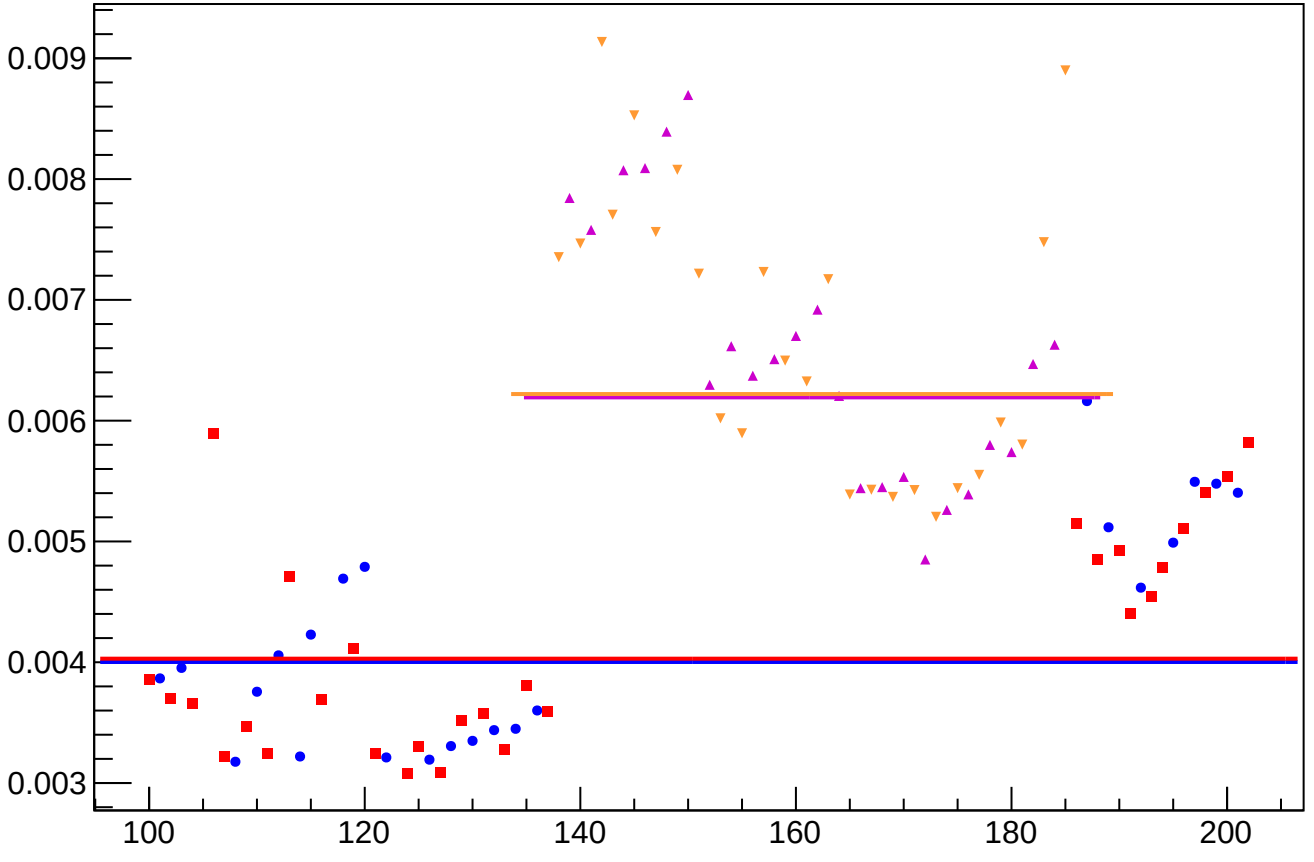
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.225+/-0.000 χ^2/NDF: 1036651476372.9/47

All: 0.249+/-0.000 χ^2/NDF: 2161270227027.

- sign 0.271+/-0.000 χ^2/NDF: 1123392472809.8/51

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 896641.1/22

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1135021.9/28

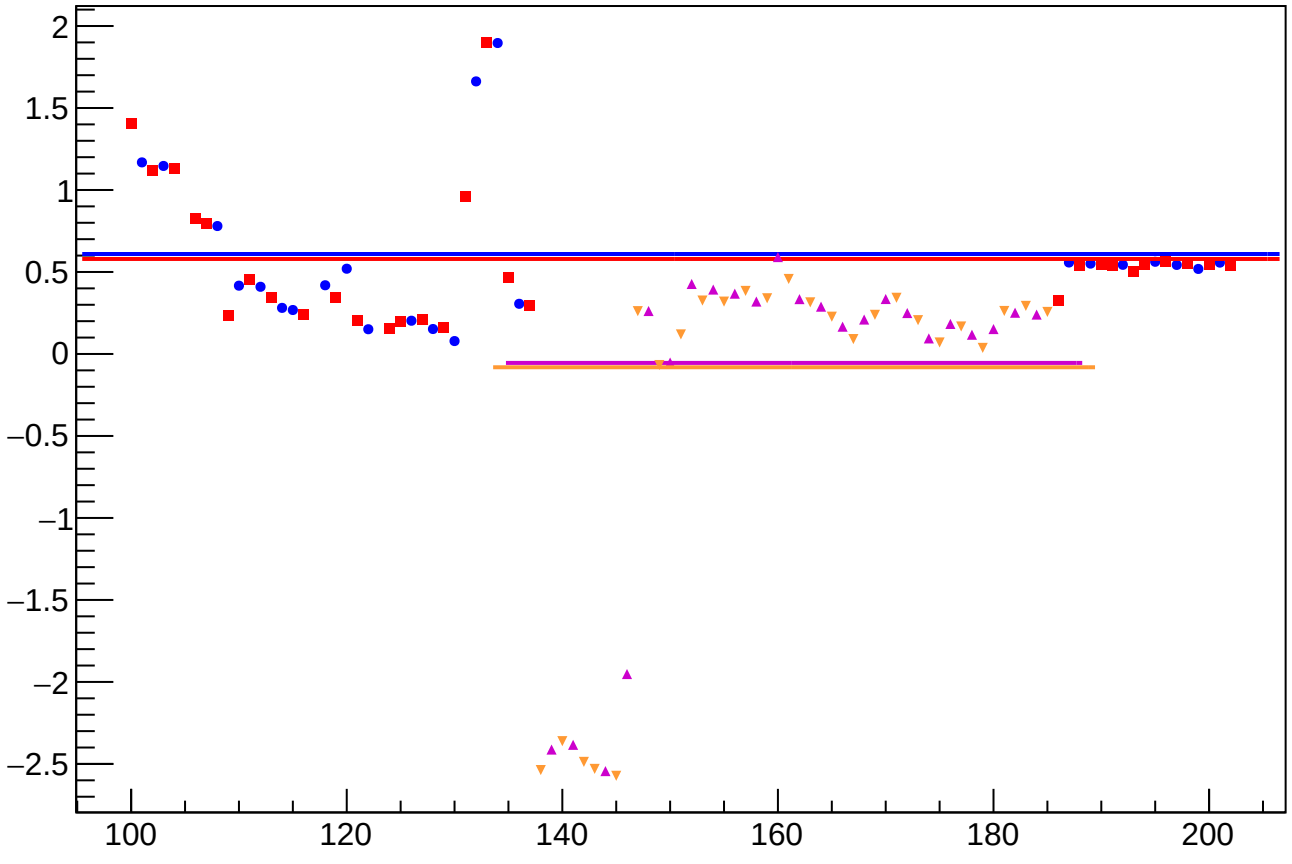
Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4340457.9/47

All: 0.005+/-0.000 χ^2/NDF: 8878259.8/99

- sign 0.005+/-0.000 χ^2/NDF: 4527877.3/51

yield_bpm0l05X_mean vs Slug



Right In: 0.610+/-0.000 χ^2/NDF: 43432890350.0/22

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.579+/-0.000 χ^2/NDF: 43672221276.6/28

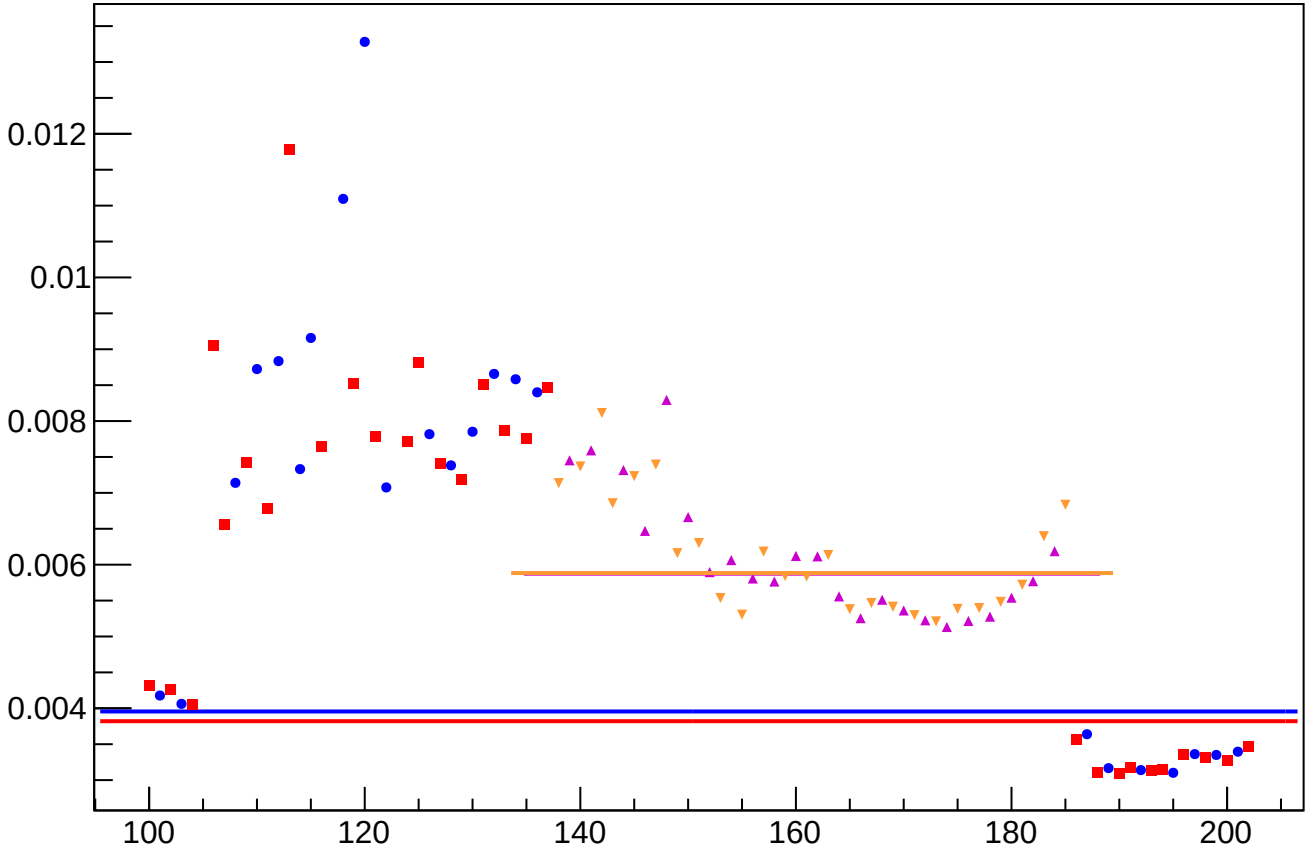
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.296+/-0.000 χ^2/NDF: 563680888284.9/47

All: 0.321+/-0.000 χ^2/NDF: 1077515890181.

- sign 0.342+/-0.000 χ^2/NDF: 512563987227.7/51

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3356691.6/22

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3396073.1/28

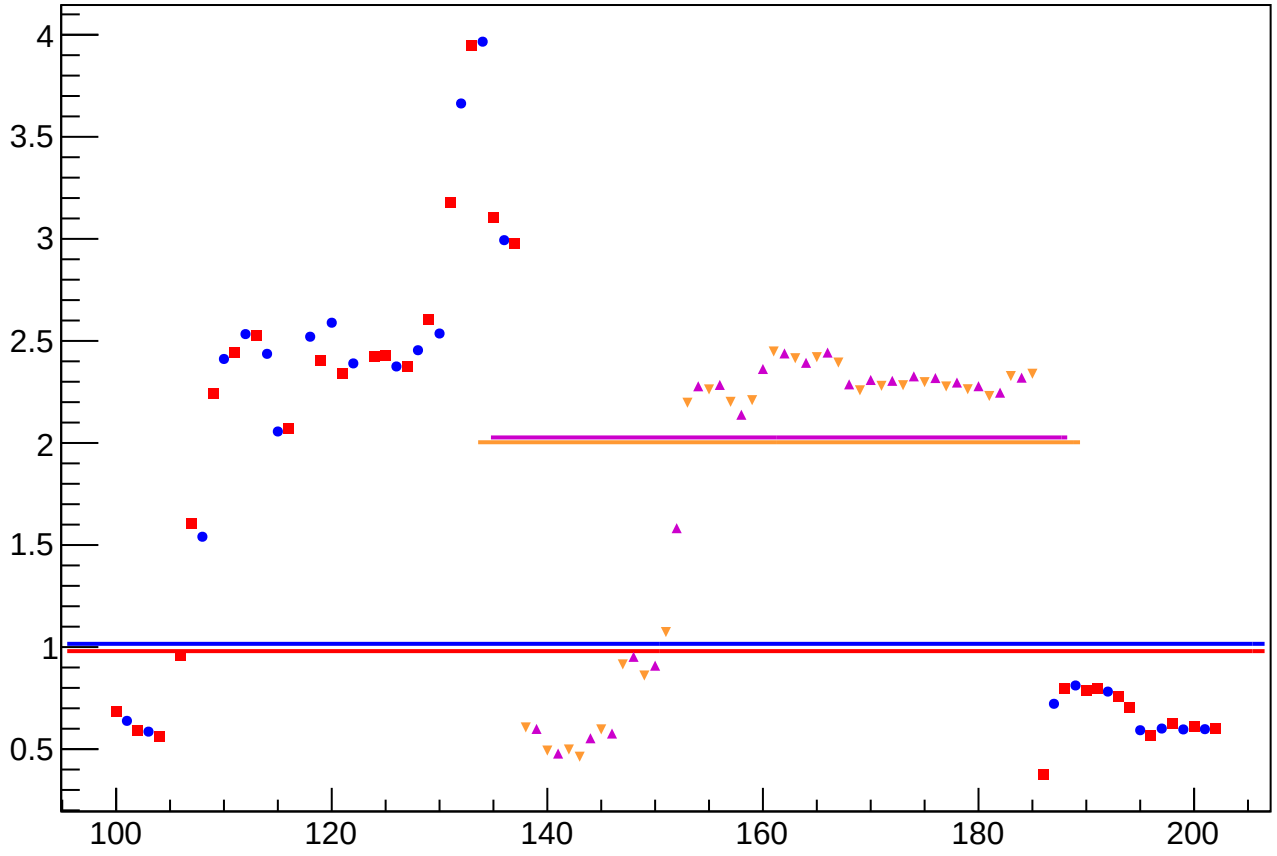
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5869073.7/47

All: 0.005+/-0.000 χ^2/NDF: 12415203.3/99

- sign 0.005+/-0.000 χ^2/NDF: 6476300.7/51

yield_bpm0l05Y_mean vs Slug



Right In: 1.016+/-0.000 χ^2/NDF: 222364970108.2/22

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.980+/-0.000 χ^2/NDF: 257635567188.6/28

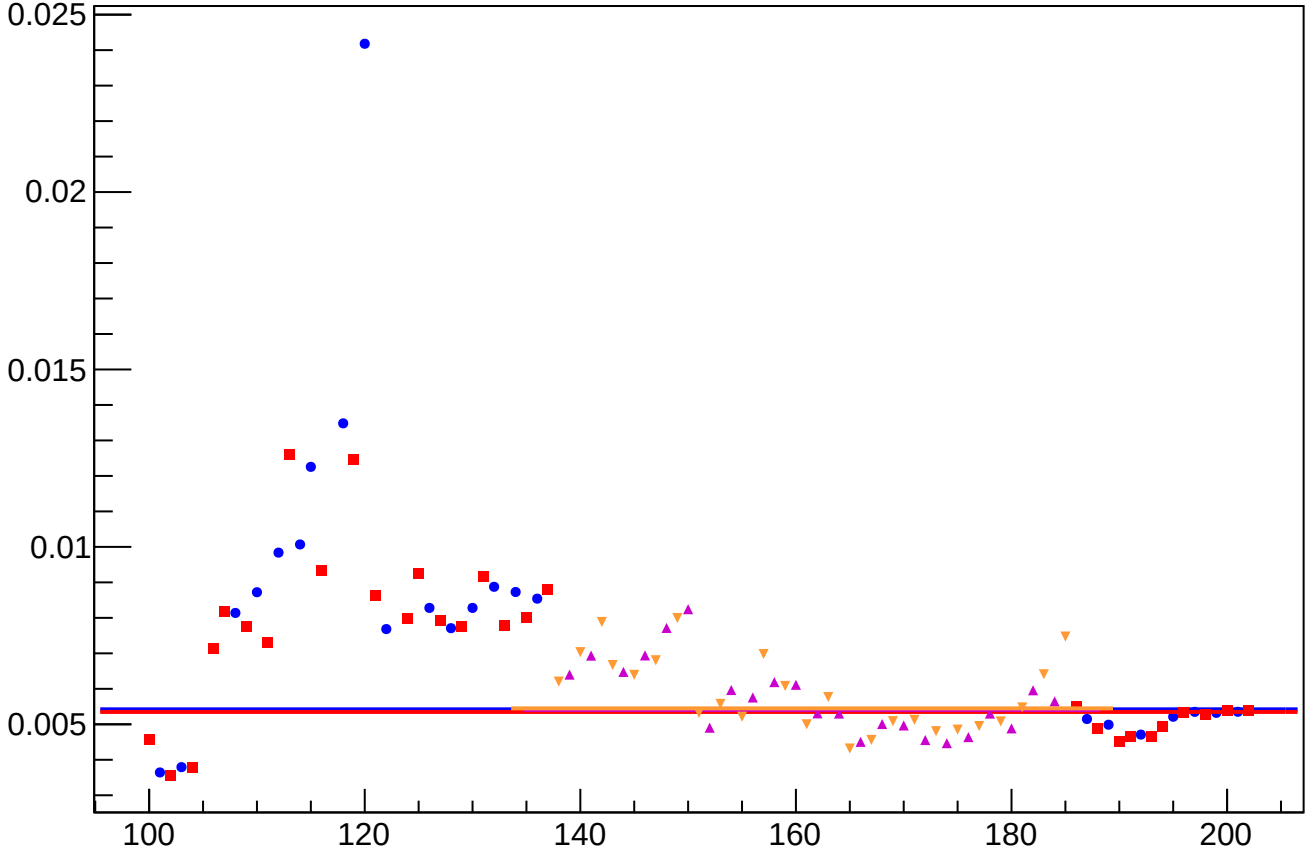
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.630+/-0.000 χ^2/NDF: 645214269440.5/47

All: 1.594+/-0.000 χ^2/NDF: 1359345377914.

- sign 1.560+/-0.000 χ^2/NDF: 711908648962.2/51

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2307210.8/22

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2124571.2/28

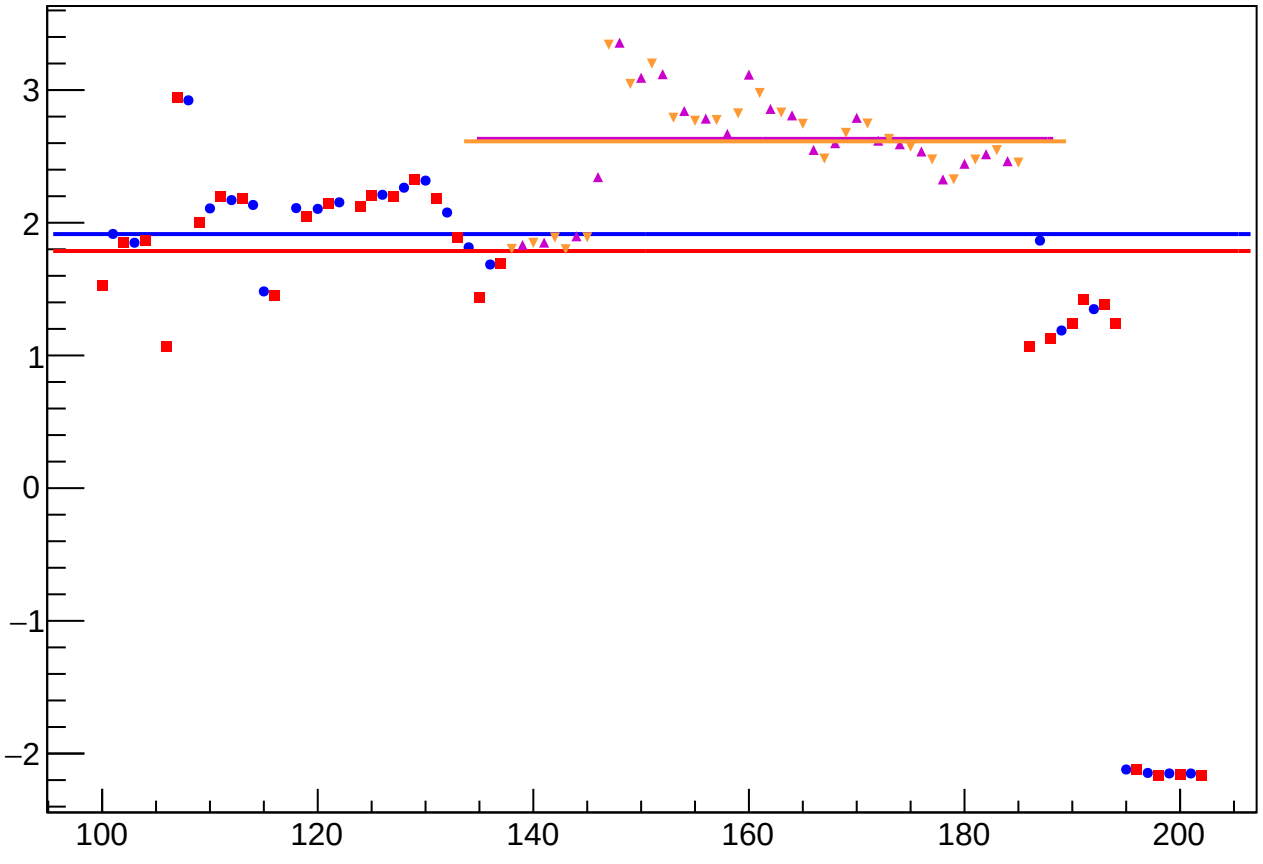
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3078936.6/47

All: 0.005+/-0.000 χ^2/NDF: 6023319.9/99

- sign 0.005+/-0.000 χ^2/NDF: 2941196.9/51

yield_bpm0l06X_mean vs Slug



Right In: 1.915+/-0.000 χ^2/NDF: 97409811416.5/22

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.787+/-0.000 χ^2/NDF: 106482879158.0/28

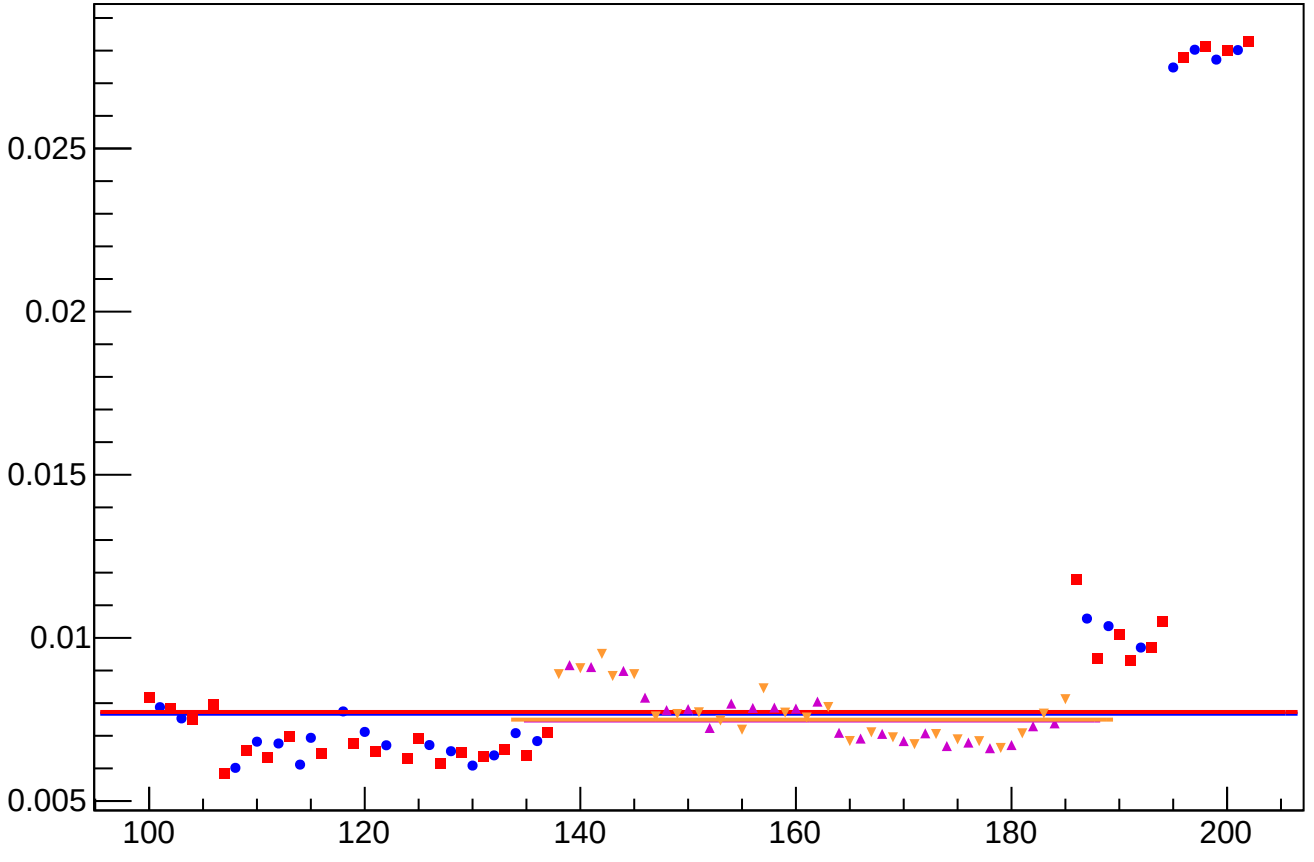
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.375+/-0.000 χ^2/NDF: 197735949438.8/47

All: 2.338+/-0.000 χ^2/NDF: 432552978116.6

- sign 2.302+/-0.000 χ^2/NDF: 233514714404.8/51

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4063565.9/22

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4410881.0/28

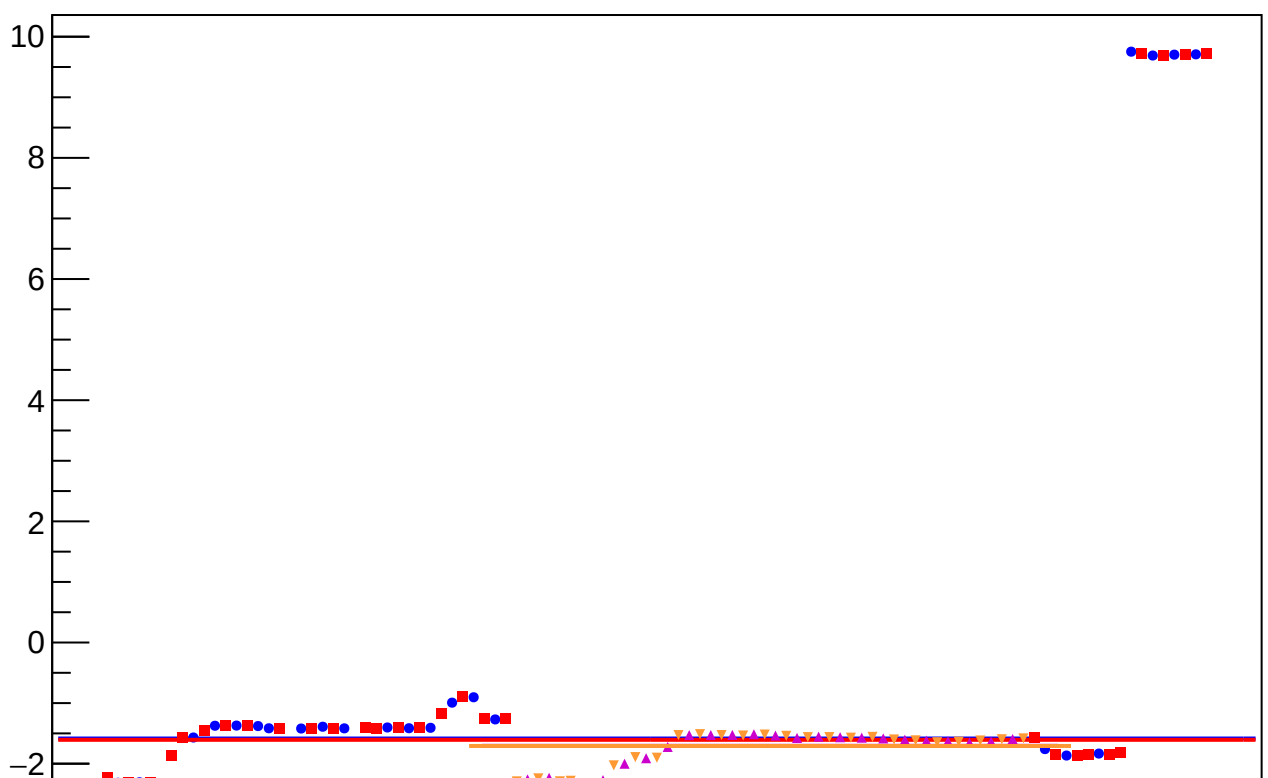
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 4403471.8/47

All: 0.008+/-0.000 χ^2/NDF: 9153017.2/99

- sign 0.008+/-0.000 χ^2/NDF: 4749460.2/51

yield_bpm0l06Y_mean vs Slug



Right In: -1.585+/-0.000 χ^2/NDF: 302607400070.5/22

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.606+/-0.000 χ^2/NDF: 311645301327.3/28

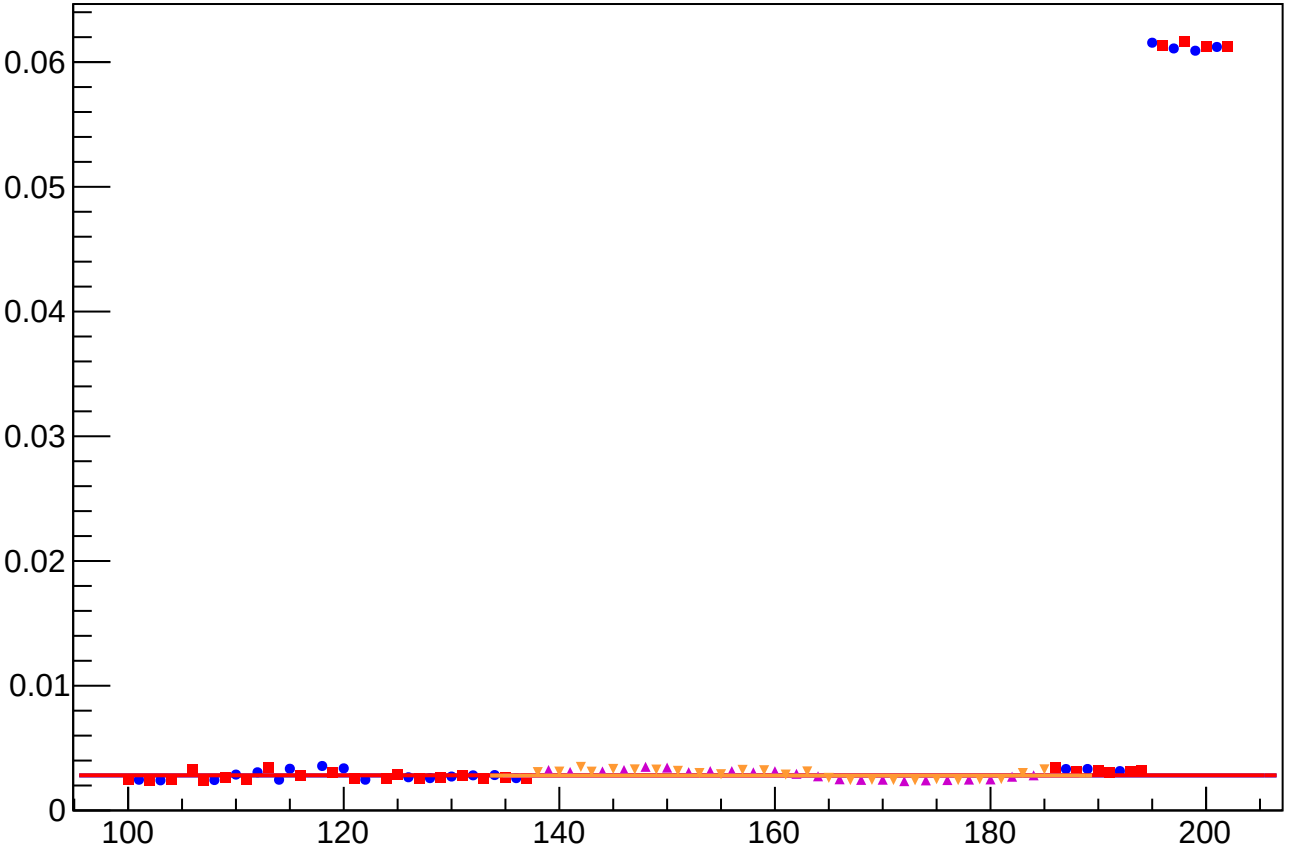
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.668+/-0.000 χ^2/NDF: 465634518980.7/47

All: -1.668+/-0.000 χ^2/NDF: 922000620604.6

- sign -1.668+/-0.000 χ^2/NDF: 456366069362.9/51

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 6467934.7/22

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6529541.3/28

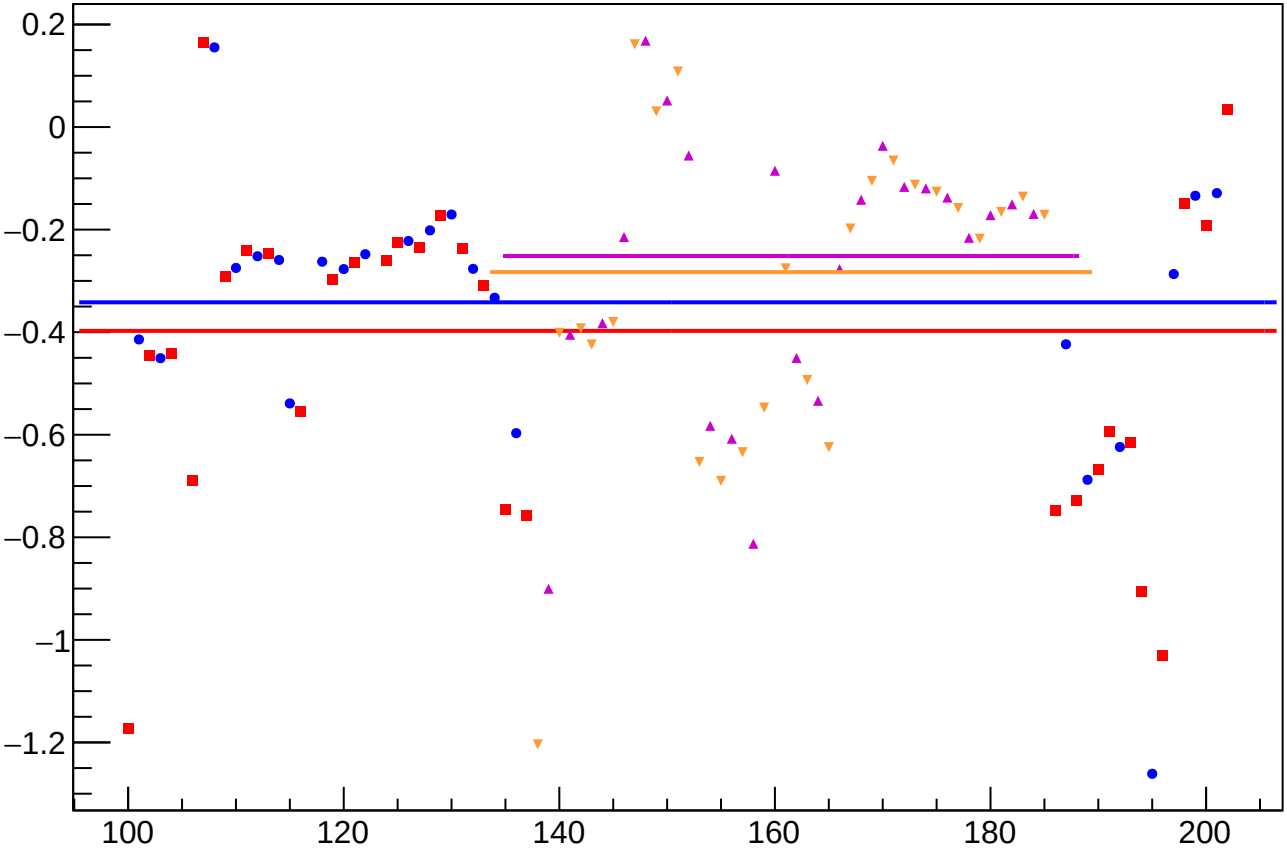
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 7015801.3/47

All: 0.003+/-0.000 χ^2/NDF: 14104528.5/99

- sign 0.003+/-0.000 χ^2/NDF: 7088715.8/51

yield_bpm0l07X_mean vs Slug



Right In: -0.342+/-0.000 χ^2/NDF: 4899712748.8/22

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.397+/-0.000 χ^2/NDF: 6198842886.5/28

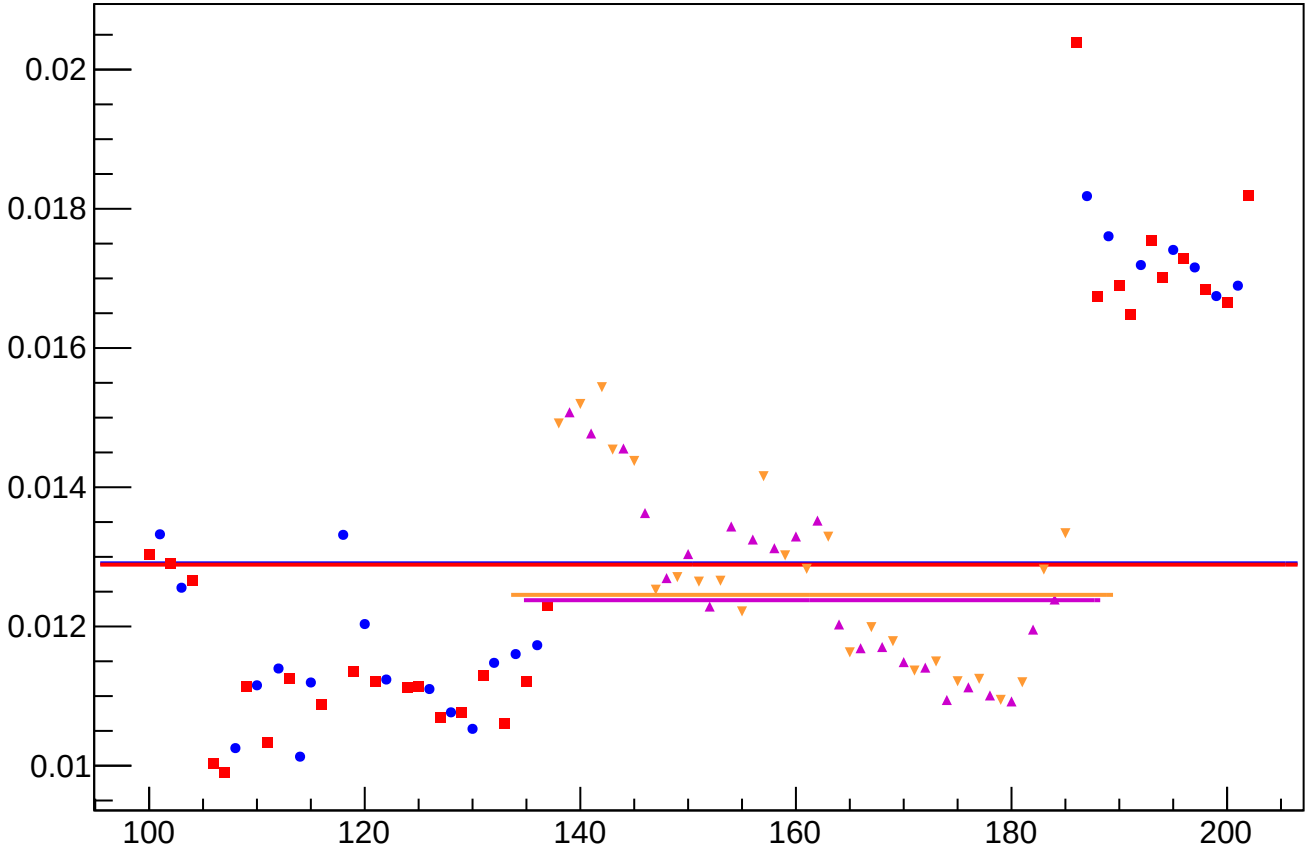
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.305+/-0.000 χ^2/NDF: 14394620242.6/47

All: -0.309+/-0.000 χ^2/NDF: 28776594608.9/

- sign -0.313+/-0.000 χ^2/NDF: 14375620329.1/51

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 906071.7/22

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1331233.0/28

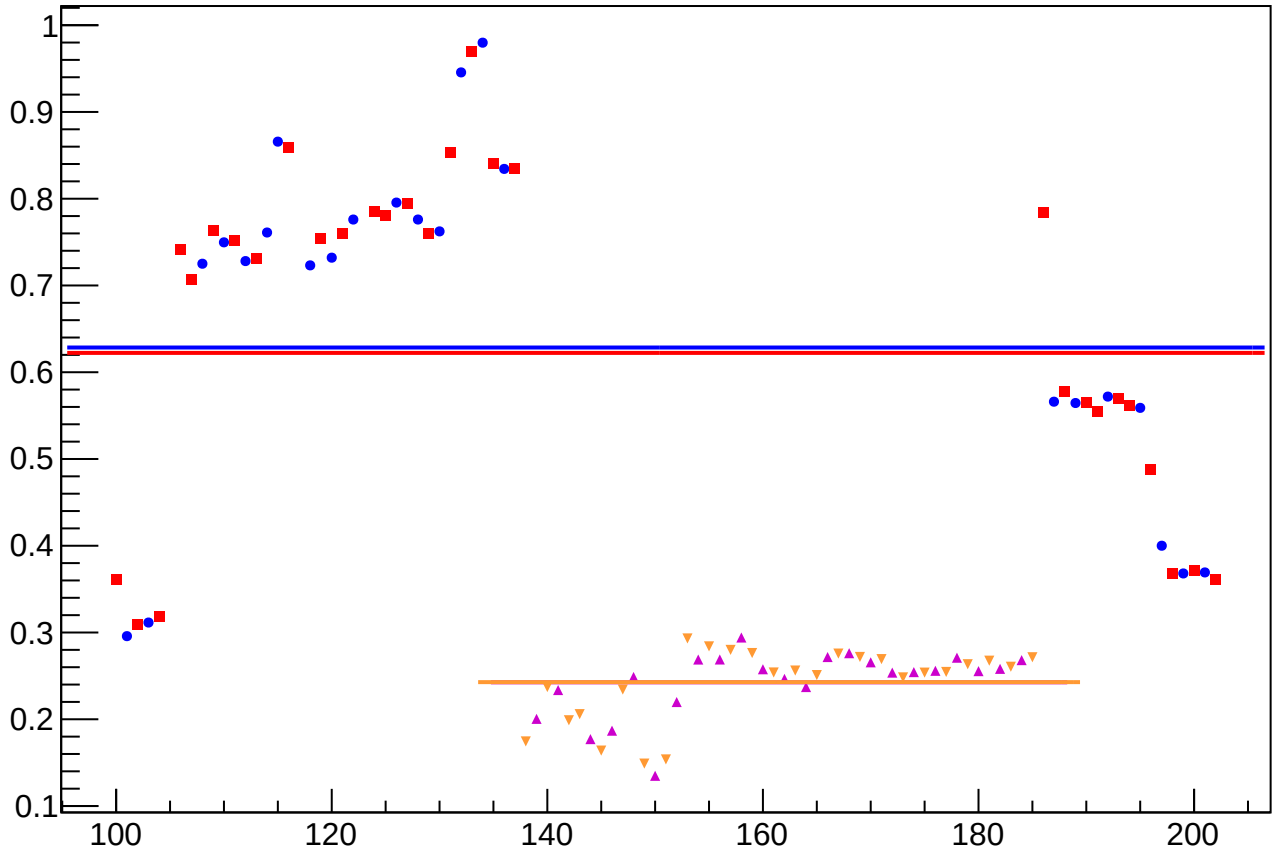
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 1265341.0/47

All: 0.013+/-0.000 χ^2/NDF: 2948435.1/99

- sign 0.013+/-0.000 χ^2/NDF: 1682925.4/51

yield_bpm0l07Y_mean vs Slug



Right In: 0.628+/-0.000 χ^2/NDF: 75253051918.0/22

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.622+/-0.000 χ^2/NDF: 75615882200.7/28

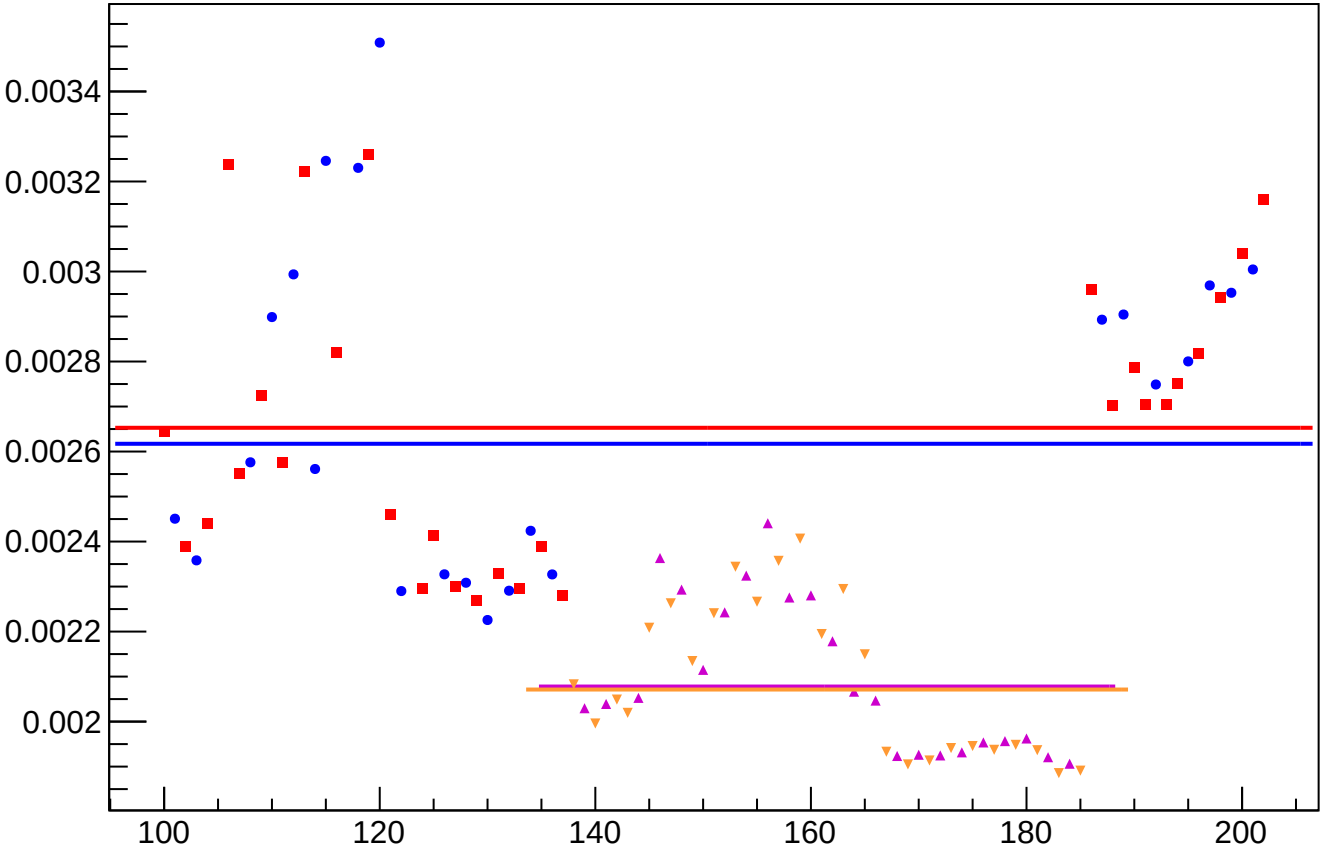
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.350+/-0.000 χ^2/NDF: 266548193652.7/47

All: 0.357+/-0.000 χ^2/NDF: 542106198146.3

- sign 0.364+/-0.000 χ^2/NDF: 274934834816.4/51

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 351581.8/22

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 337675.6/28

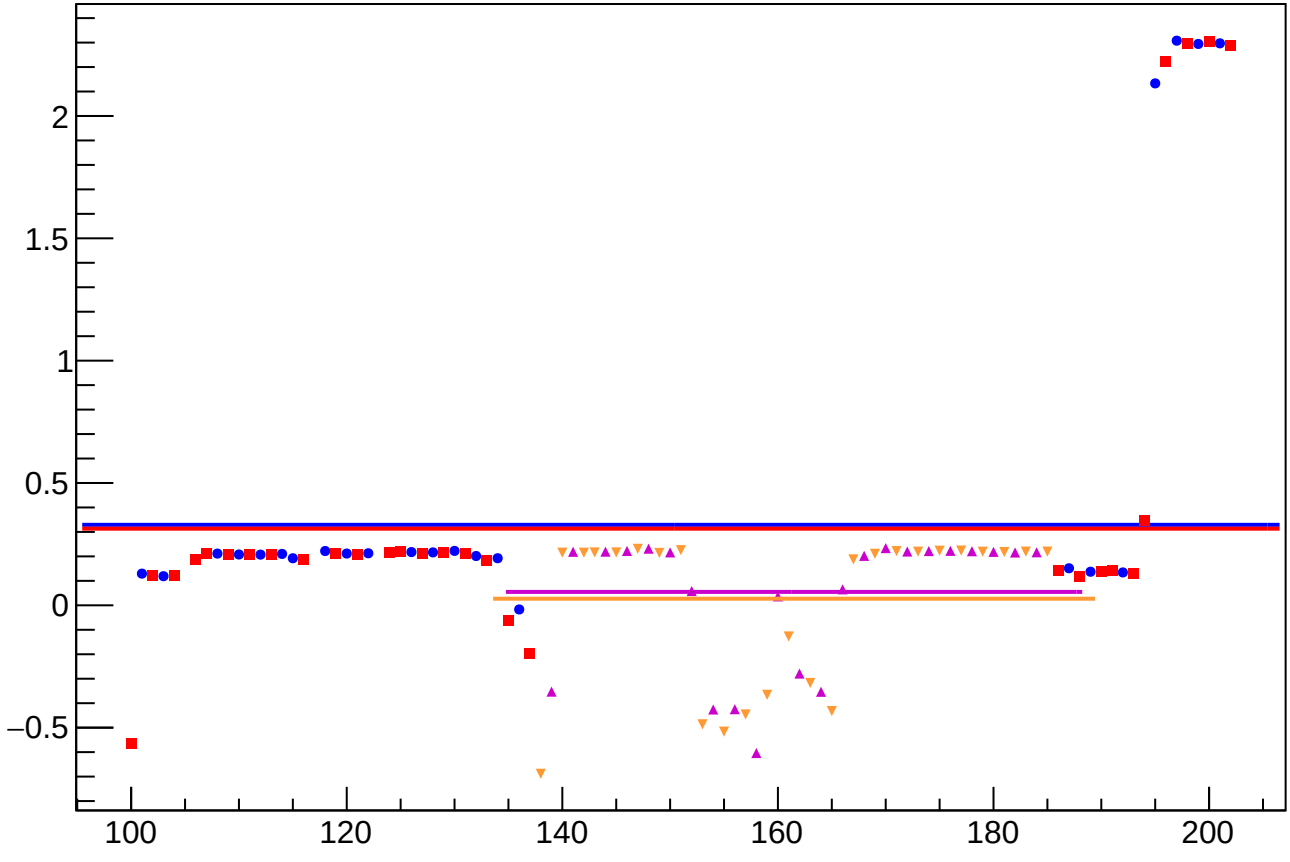
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 1322928.2/47

All: 0.002+/-0.000 χ^2/NDF: 2768918.4/99

- sign 0.002+/-0.000 χ^2/NDF: 1436579.9/51

yield_bpm0l08X_mean vs Slug



Right In: 0.329+/-0.000 χ^2/NDF: 26000370100.6/22

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.313+/-0.000 χ^2/NDF: 29417899218.6/28

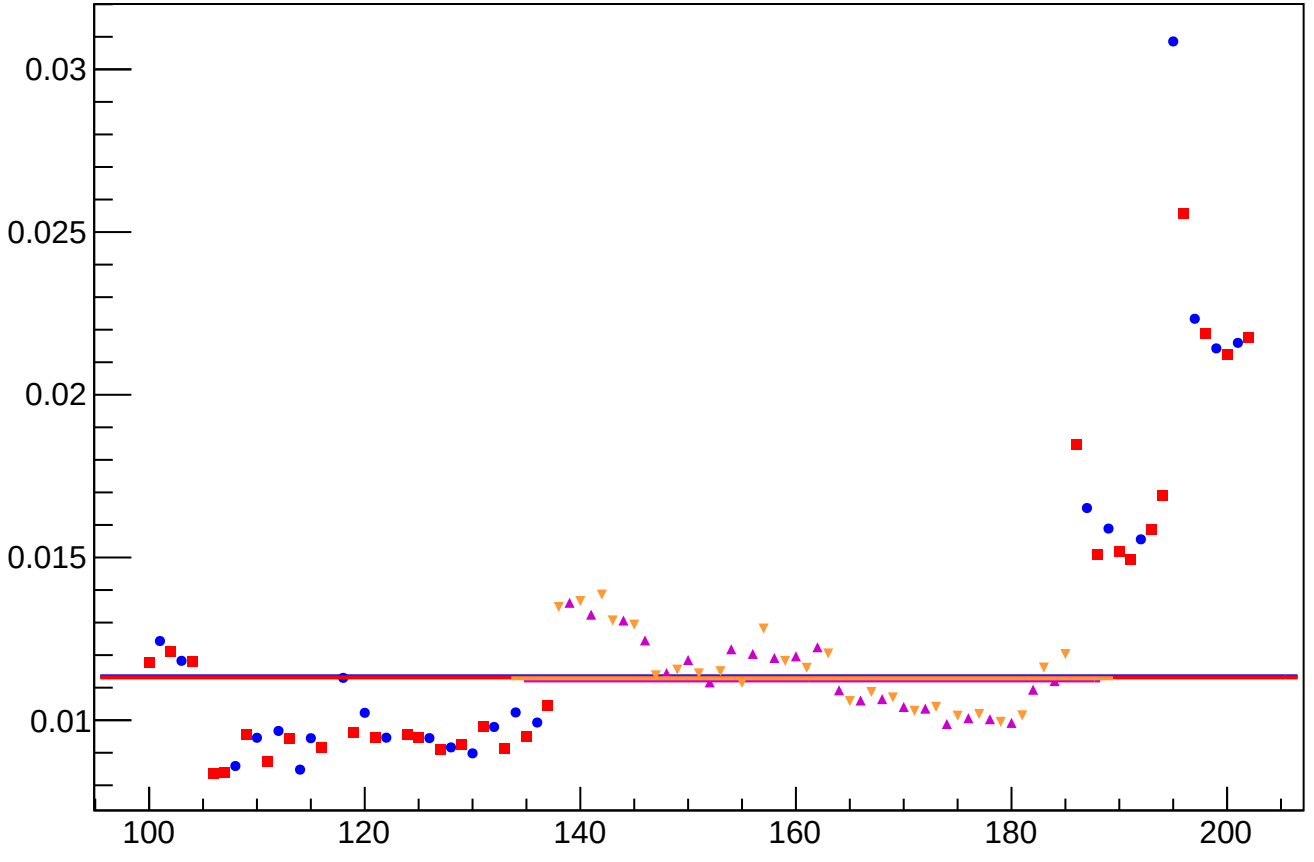
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.138+/-0.000 χ^2/NDF: 43774541319.8/47

All: 0.151+/-0.000 χ^2/NDF: 86827219148.8/9

- sign 0.163+/-0.000 χ^2/NDF: 42977187465.0/51

yield_bpm0l08X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2564787.2/22

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

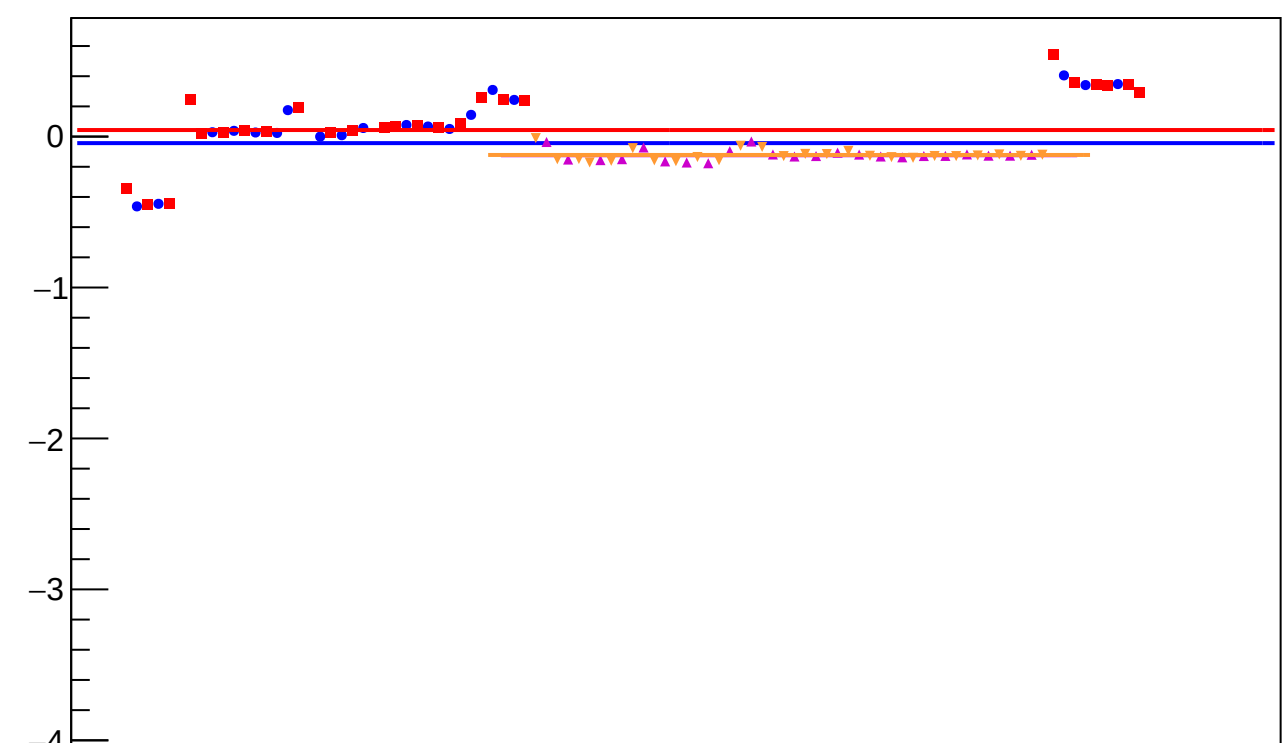
Right Out: 0.011+/-0.000 χ^2/NDF: 2916654.7/28

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 2893432.5/47

All: 0.011+/-0.000 χ^2/NDF: 6126848.8/99

- sign 0.011+/-0.000 χ^2/NDF: 3232889.2/51



Right In: -0.043+/-0.000 χ^2/NDF: 203734752863.7/22

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.043+/-0.000 χ^2/NDF: 234303331855.9/28

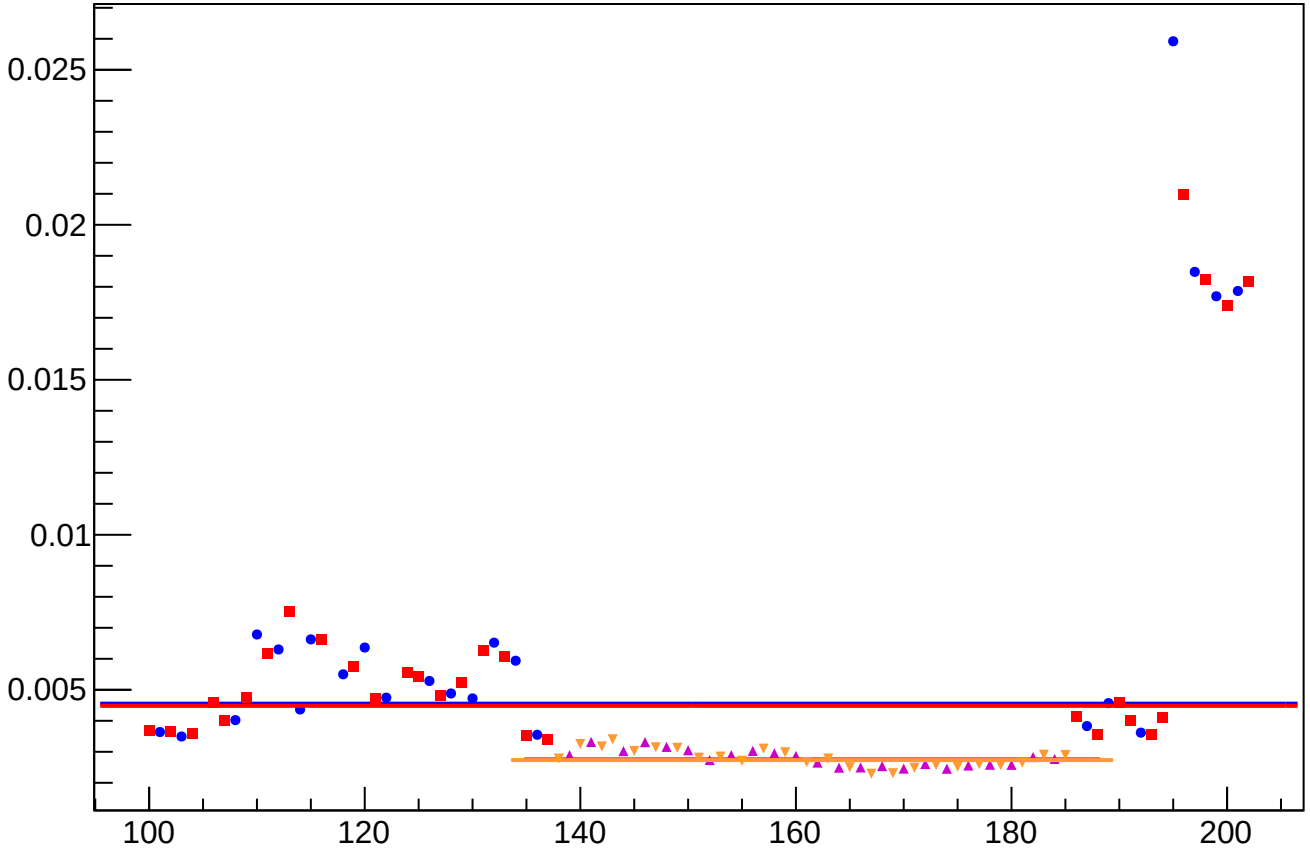
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.110+/-0.000 χ^2/NDF: 208932574221.2/47

All: -0.101+/-0.000 χ^2/NDF: 458877833852.1

- sign -0.091+/-0.000 χ^2/NDF: 249450146819.7/51

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 4821718.1/22

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 4860459.2/28

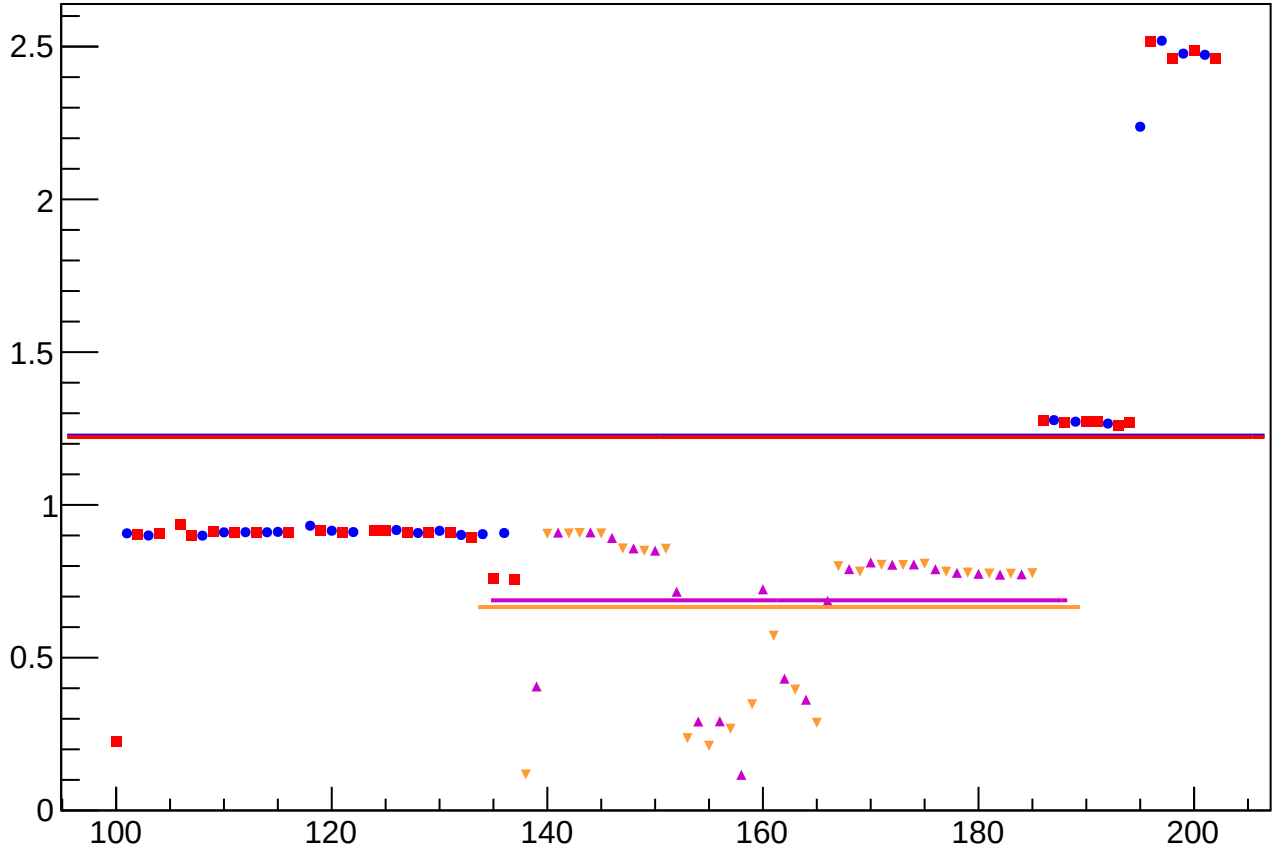
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 7664298.7/47

All: 0.003+/-0.000 χ^2/NDF: 15473462.1/99

- sign 0.003+/-0.000 χ^2/NDF: 7789299.6/51

yield_bpm0l09X_mean vs Slug



Right In: 1.227+/-0.000 χ^2/NDF: 27857094020.9/22

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.222+/-0.000 χ^2/NDF: 32833723605.4/28

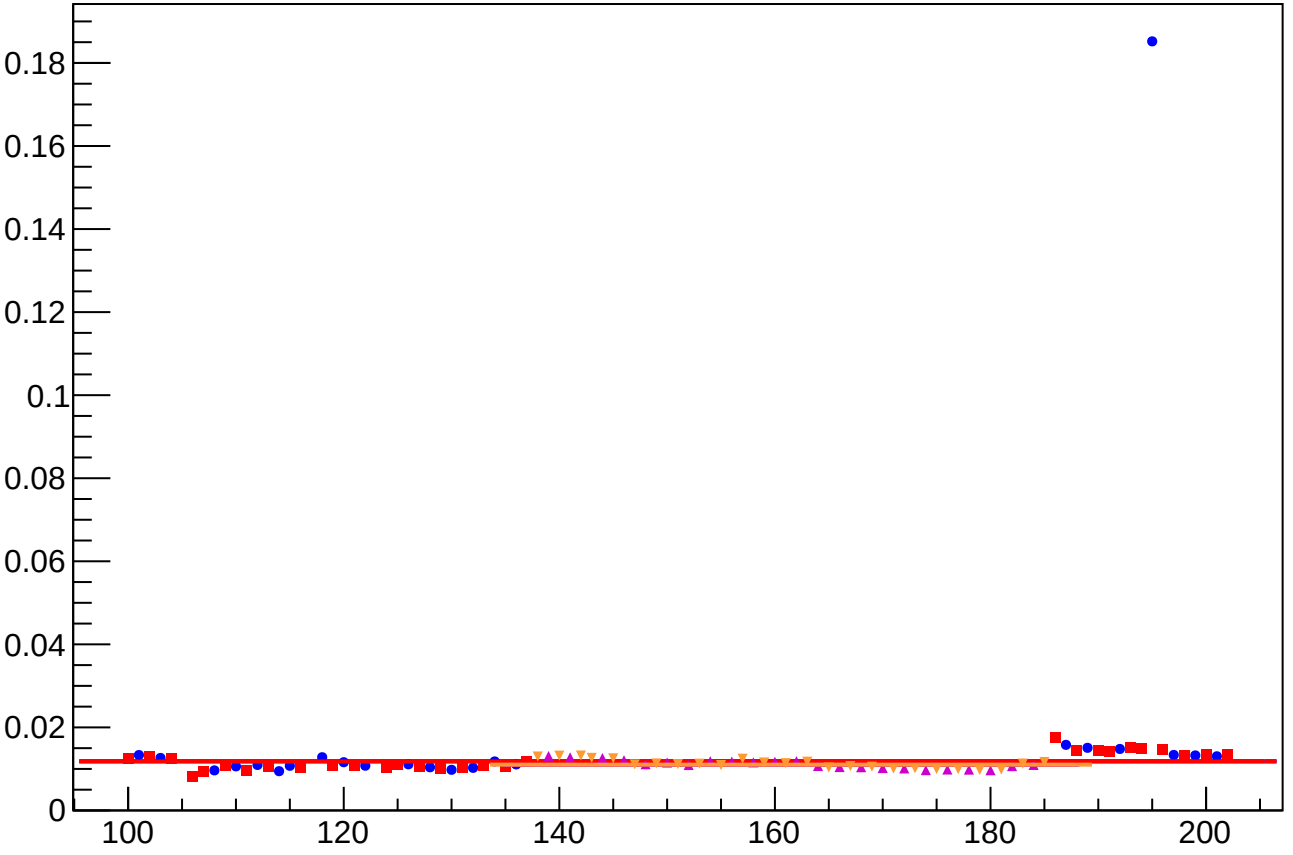
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.856+/-0.000 χ^2/NDF: 53240689442.1/47

All: 0.878+/-0.000 χ^2/NDF: 109721309165.2

- sign 0.899+/-0.000 χ^2/NDF: 56257301616.1/51

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1940166.8/22

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 741682.1/28

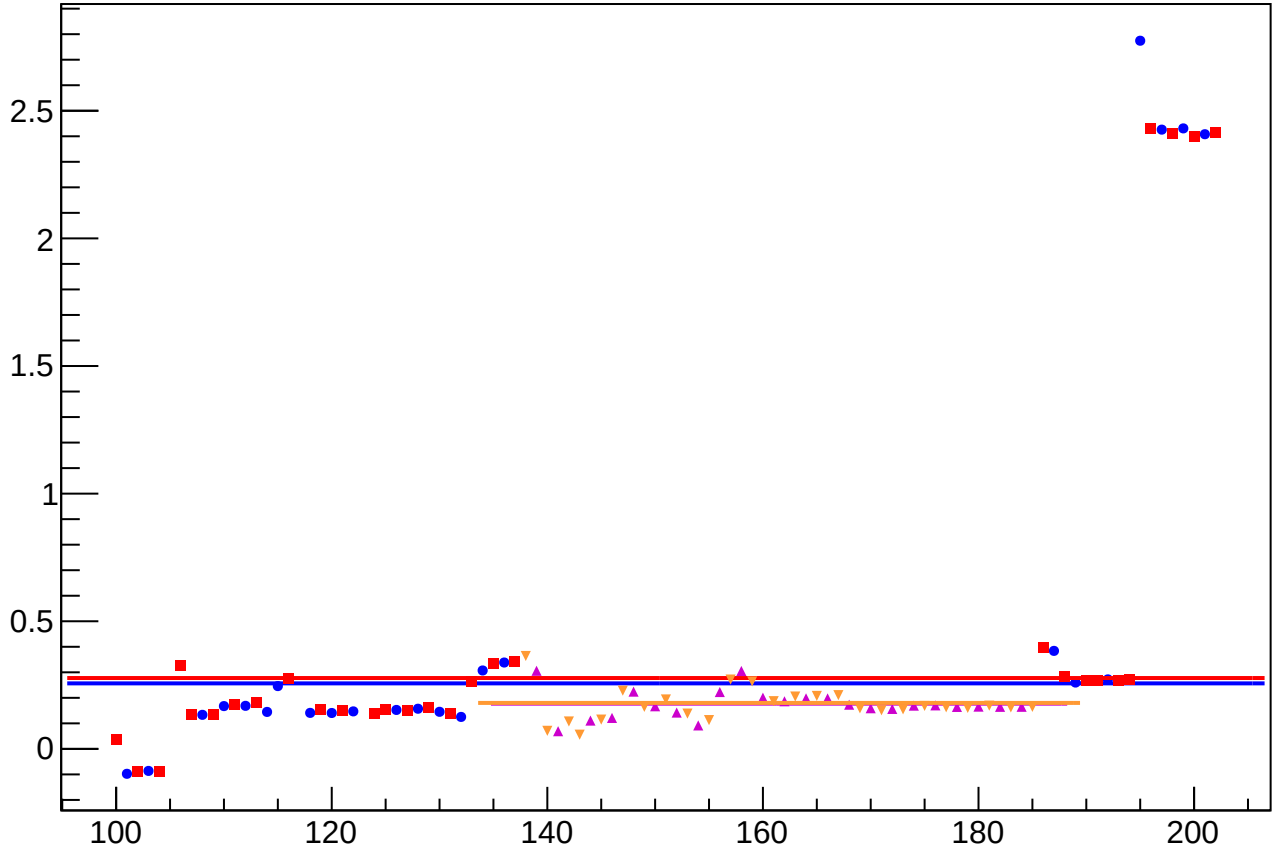
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2309672.8/47

All: 0.011+/-0.000 χ^2/NDF: 3416612.7/99

- sign 0.011+/-0.000 χ^2/NDF: 1106858.7/51

yield_bpm0l09Y_mean vs Slug



Right In: 0.257+/-0.000 χ^2/NDF: 82722472698.4/22

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.278+/-0.000 χ^2/NDF: 90779978197.1/28

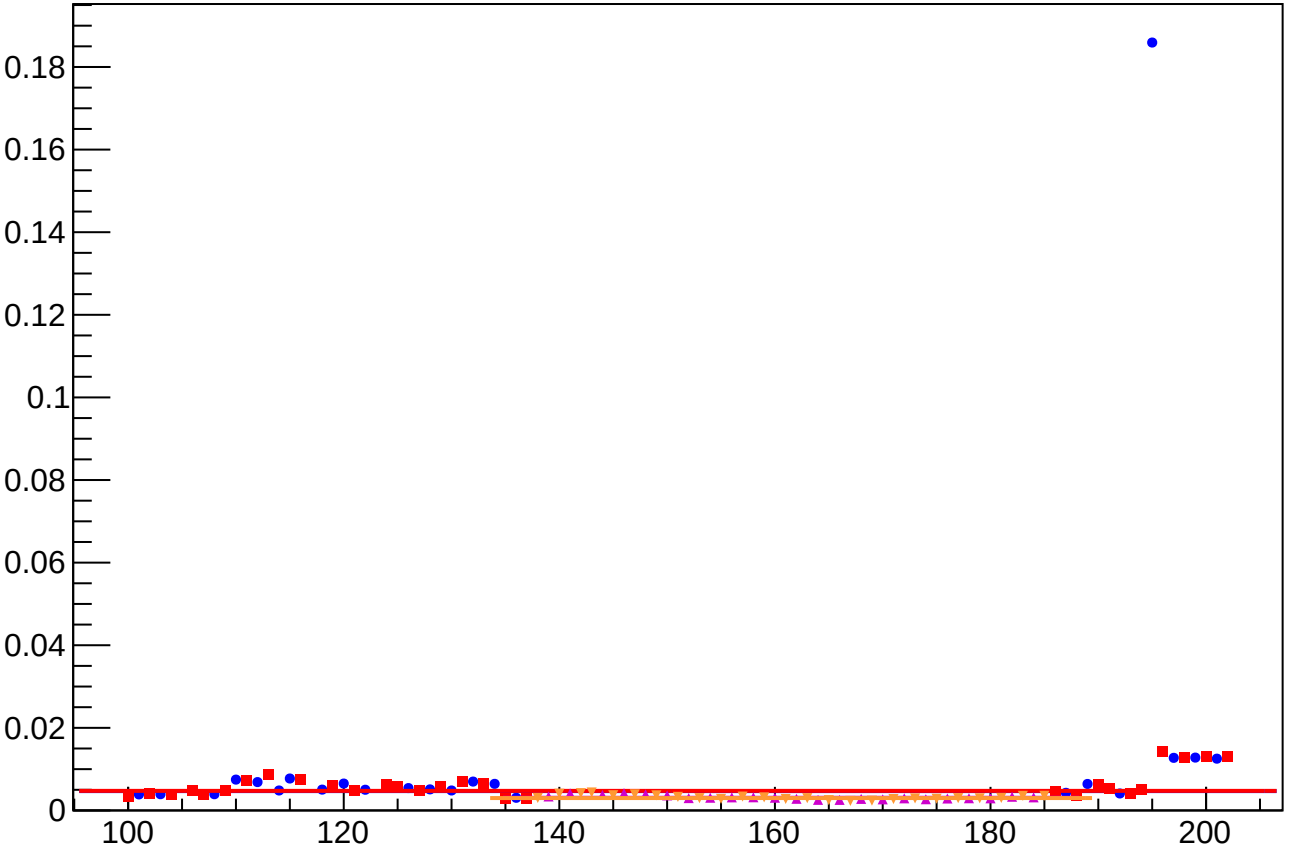
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.193+/-0.000 χ^2/NDF: 91105905852.6/47

All: 0.196+/-0.000 χ^2/NDF: 190319065169.0

- sign 0.198+/-0.000 χ^2/NDF: 99179181425.9/51

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 4671320.0/22

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

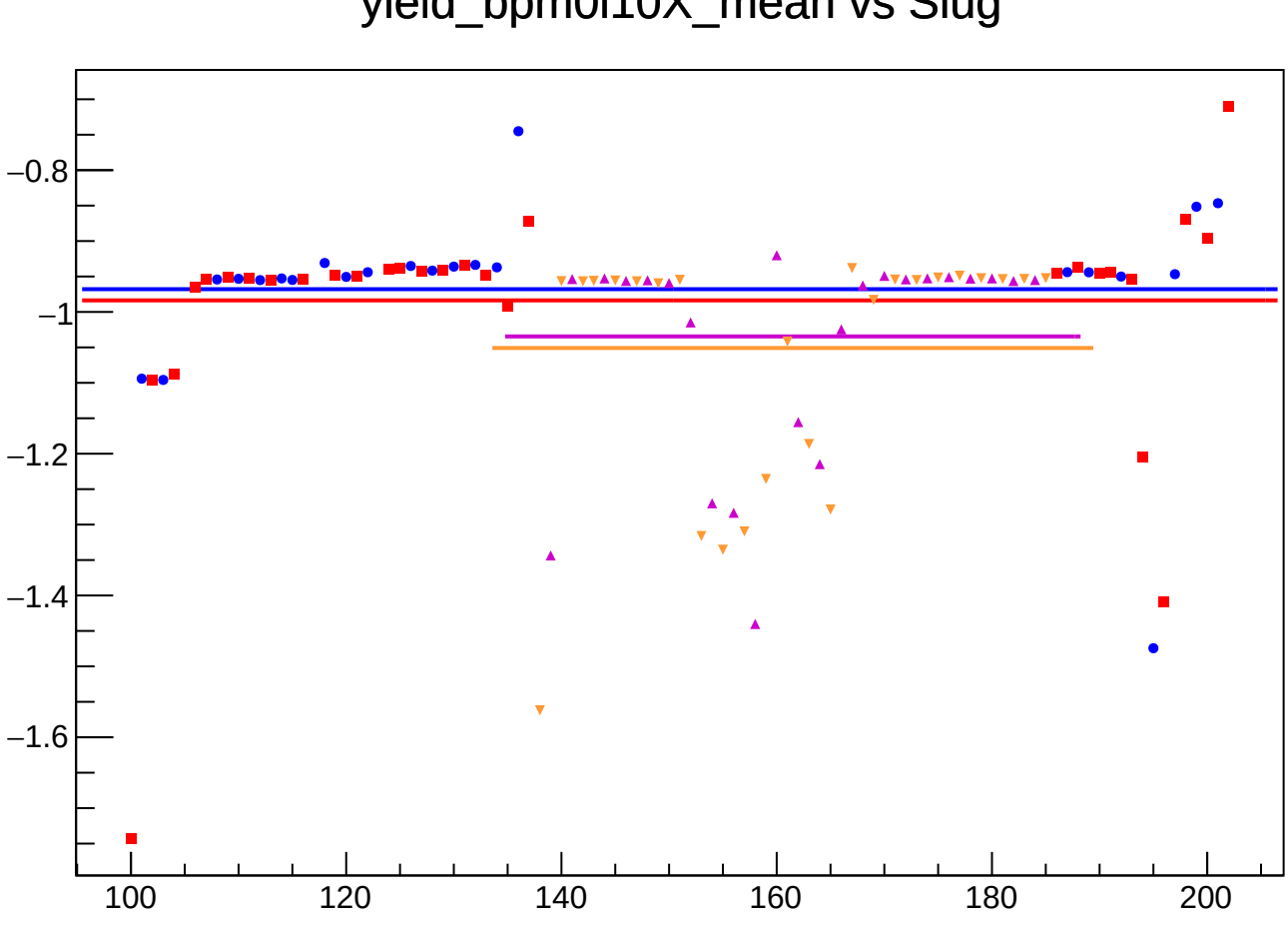
Right Out: 0.005+/-0.000 χ^2/NDF: 3804748.2/28

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 7431701.9/47

All: 0.003+/-0.000 χ^2/NDF: 13955423.0/99

- sign 0.003+/-0.000 χ^2/NDF: 6478292.1/51



Right In: -0.968+/-0.000 χ^2/NDF: 1887987704.6/22

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

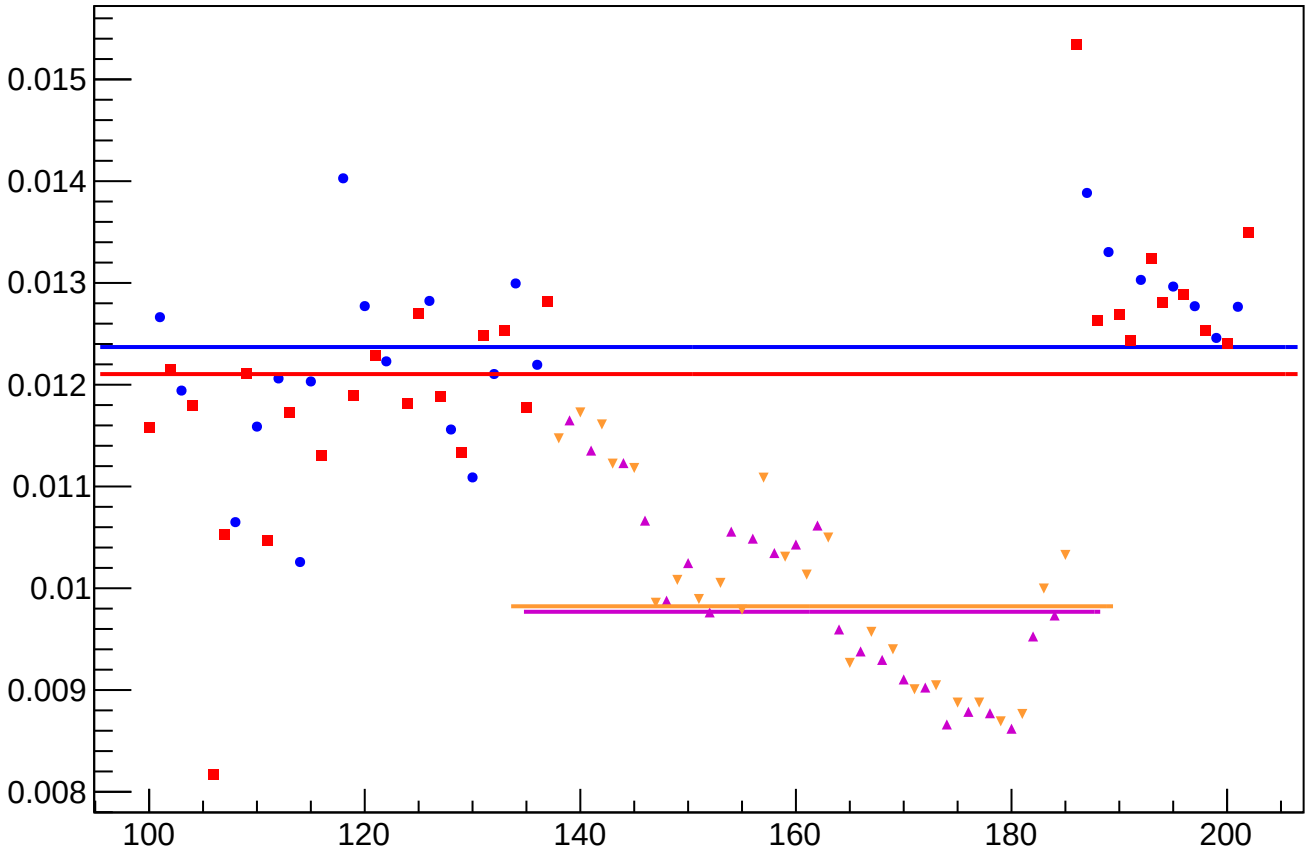
Right Out: -0.984+/-0.000 χ^2/NDF: 2104284864.5/28

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.027+/-0.000 χ^2/NDF: 7350185507.3/47

All: -1.022+/-0.000 χ^2/NDF: 13556482363.7/

- sign -1.017+/-0.000 χ^2/NDF: 6192955734.6/51



Right In: 0.012+/-0.000 χ^2/NDF: 93255.1/22

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

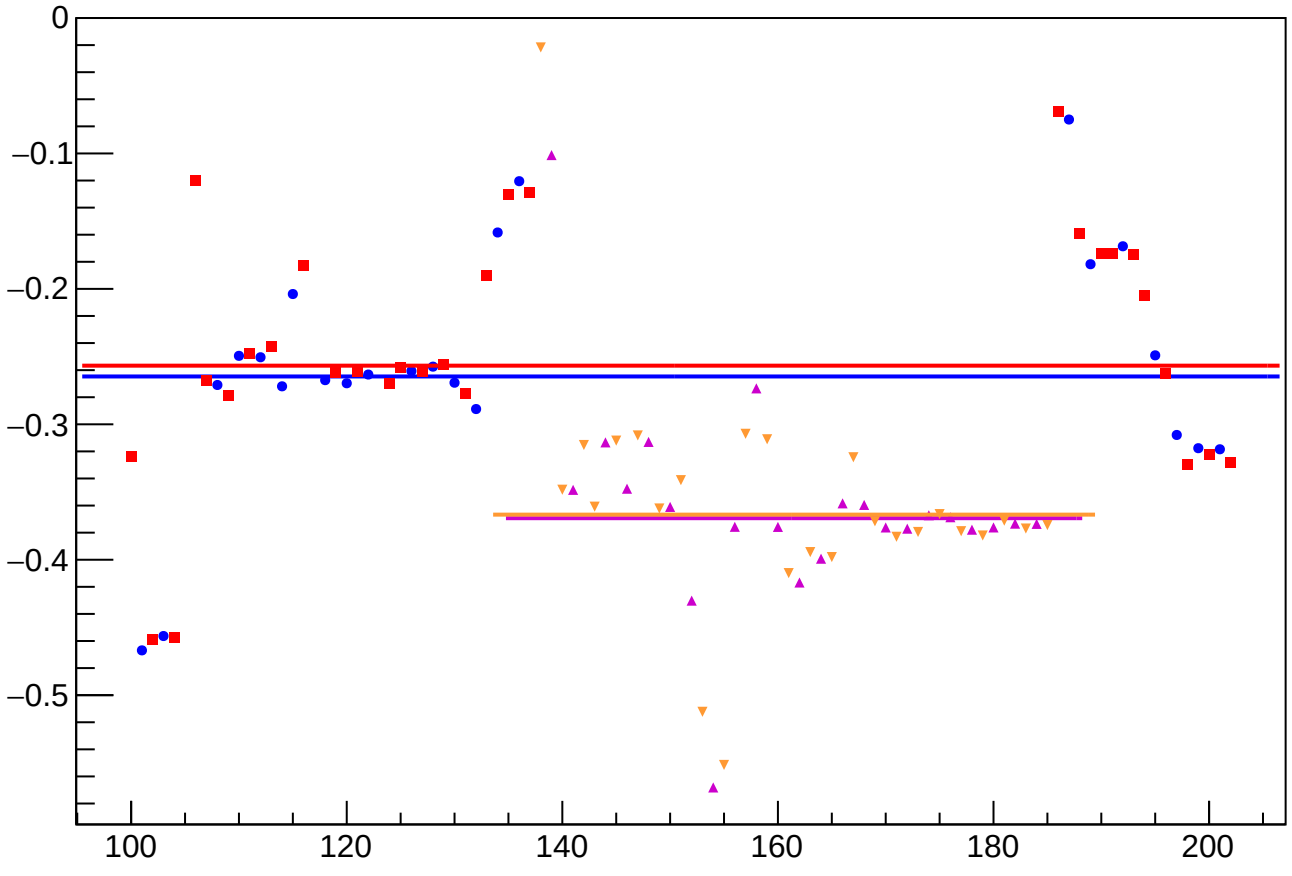
Right Out: 0.012+/-0.000 χ^2/NDF: 273831.3/28

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 1103651.4/47

All: 0.011+/-0.000 χ^2/NDF: 2347140.0/99

- sign 0.011+/-0.000 χ^2/NDF: 1243440.0/51



Right In: -0.265+/-0.000 χ^2/NDF: 7550915632.9/22

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.257+/-0.000 χ^2/NDF: 8012332923.7/28

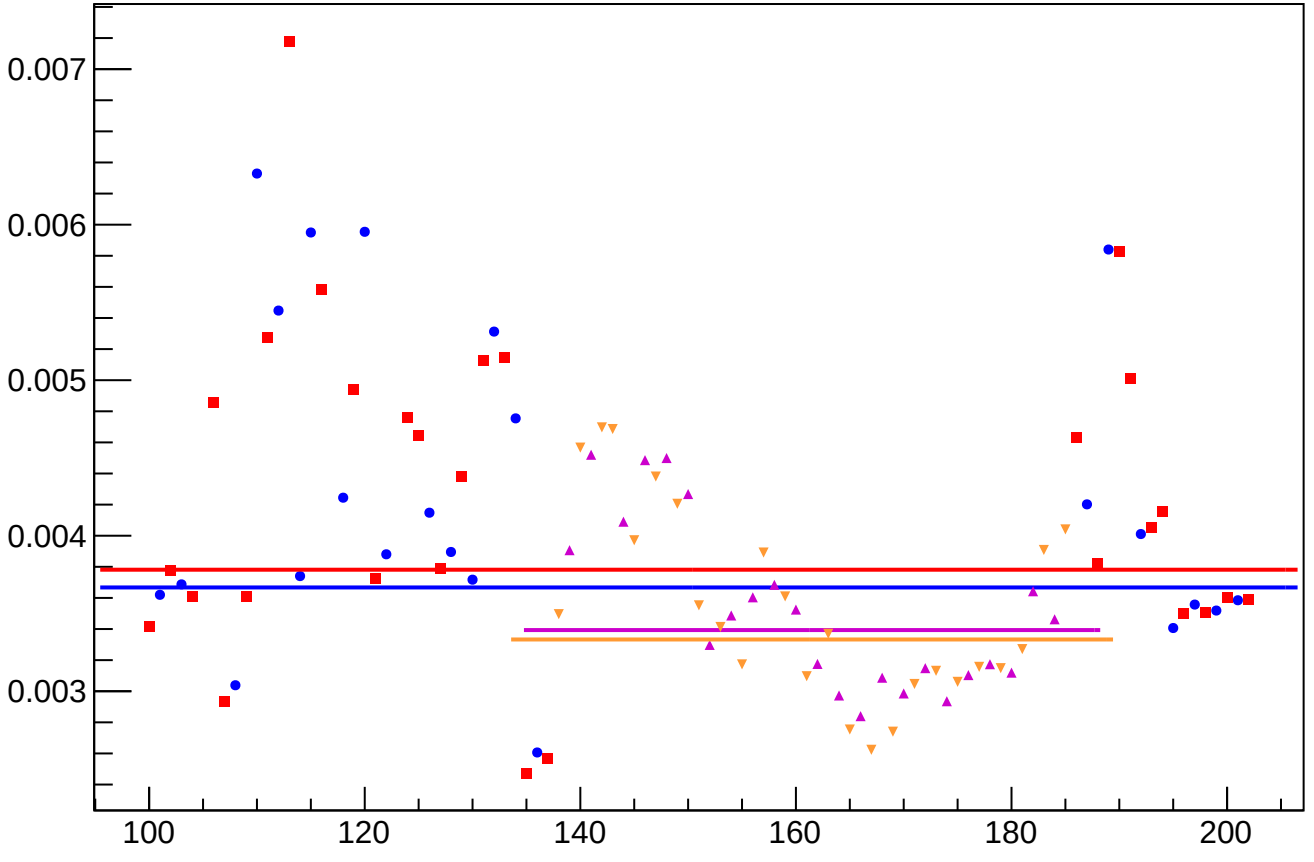
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.333+/-0.000 χ^2/NDF: 24967007815.2/47

All: -0.330+/-0.000 χ^2/NDF: 47585097284.8/

- sign -0.326+/-0.000 χ^2/NDF: 22569713545.5/51

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 902053.4/22

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1078088.5/28

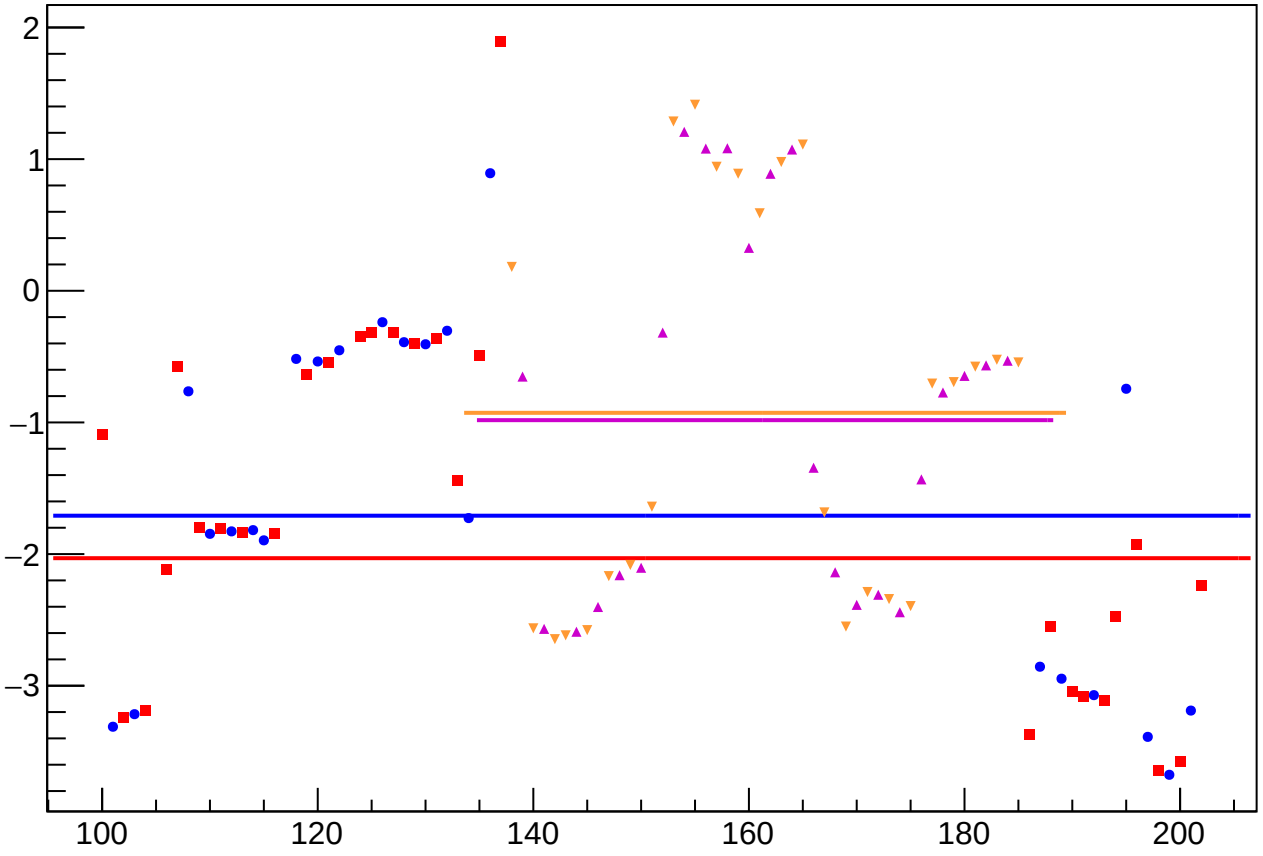
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1877446.3/47

All: 0.003+/-0.000 χ^2/NDF: 3777072.3/99

- sign 0.004+/-0.000 χ^2/NDF: 1877358.4/51

yield_bpm0r03X_mean vs Slug



Right In: -1.708+/-0.000 χ^2/NDF: 4735129980.9/22

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

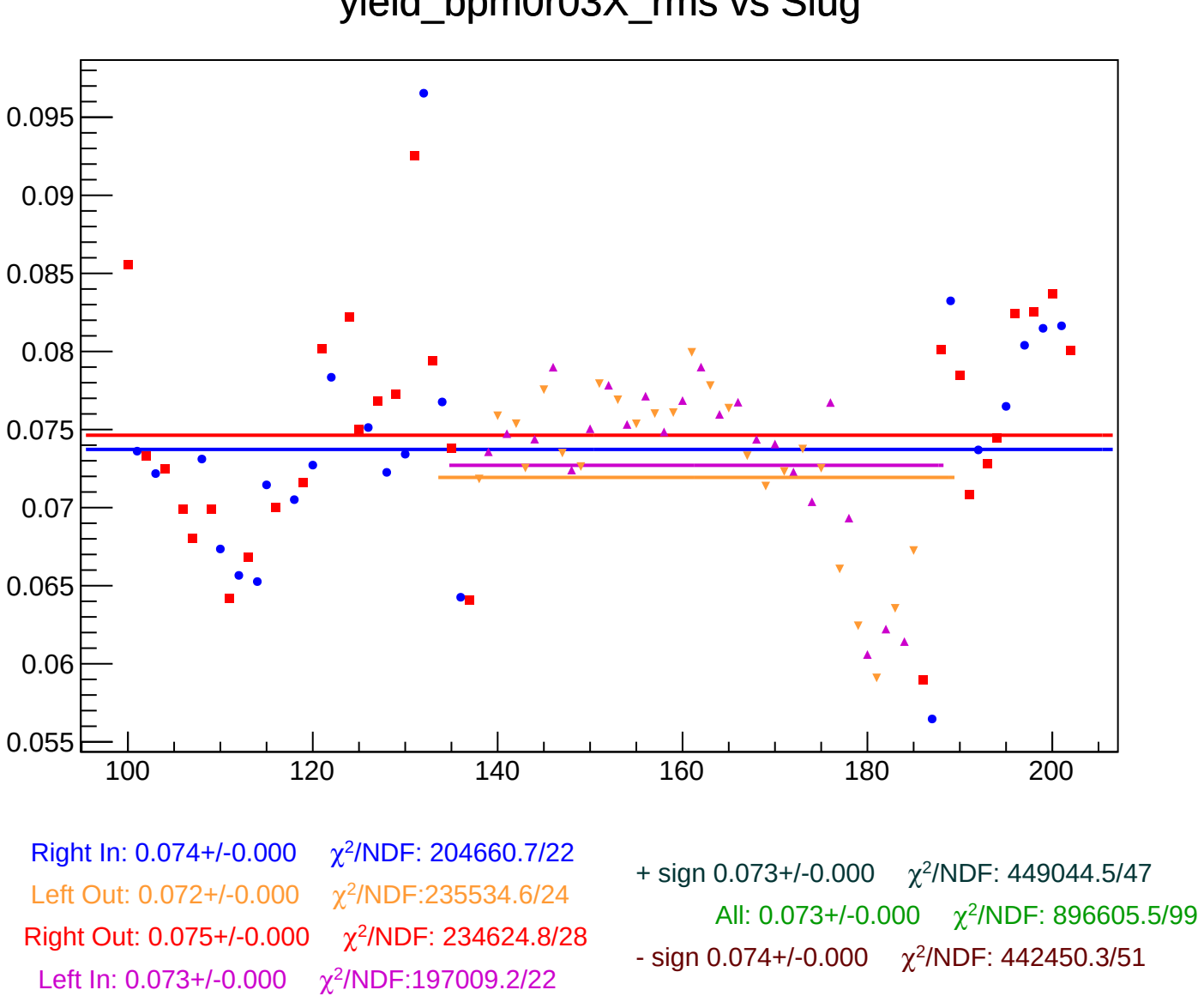
Right Out: -2.031+/-0.000 χ^2/NDF: 3733550474.5/28

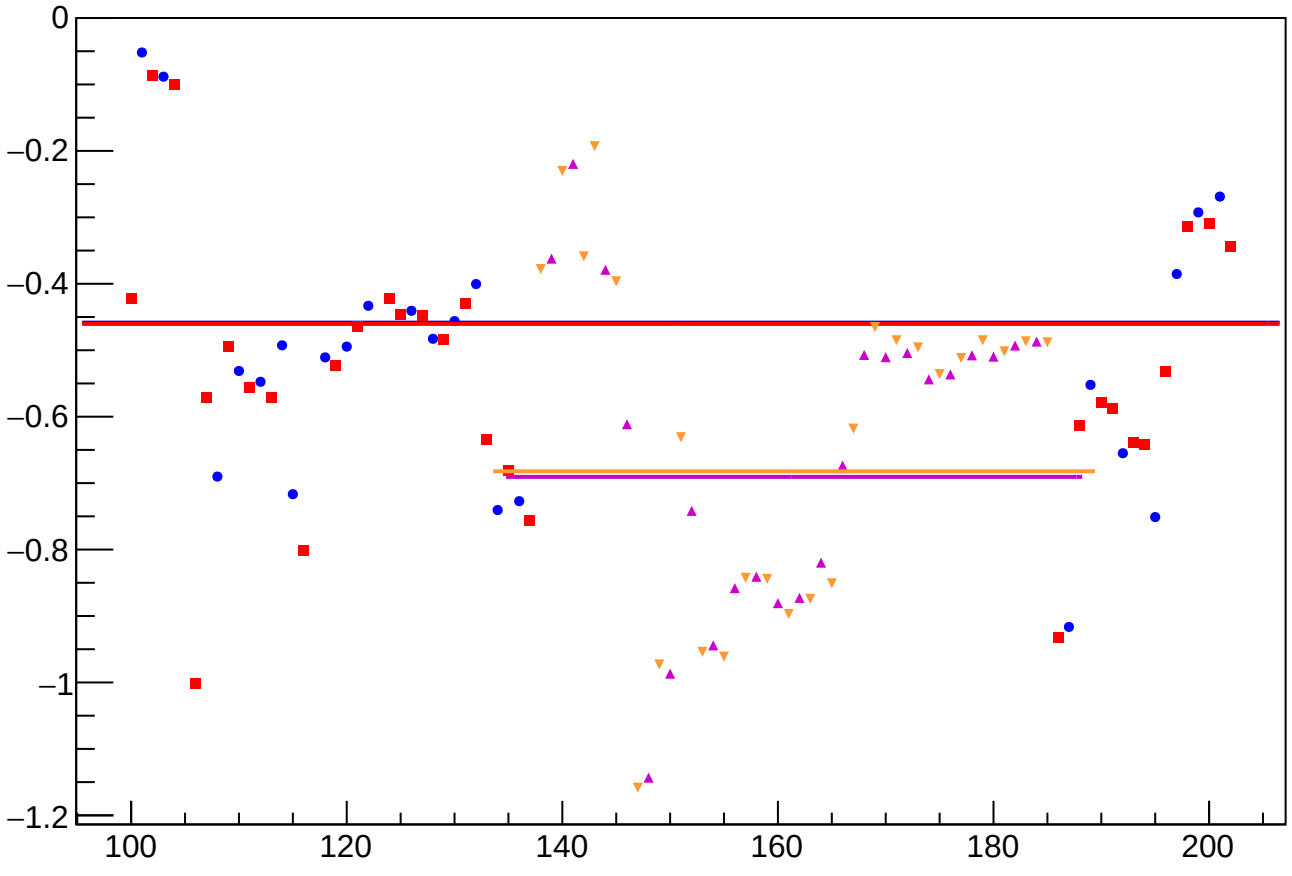
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.220+/-0.000 χ^2/NDF: 12824308247.2/47

All: -1.328+/-0.000 χ^2/NDF: 24212522678.7/

- sign -1.434+/-0.000 χ^2/NDF: 11253925739.1/51


yield_bpm0r03X_rms vs Slug
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06
0.055
100
120
140
160
180
200
Right In: 0.074+/-0.000 χ²/NDF: 204660.7/22
Left Out: 0.072+/-0.000 χ²/NDF:235534.6/24
Right Out: 0.075+/-0.000 χ²/NDF: 234624.8/28
Left In: 0.073+/-0.000 χ²/NDF:197009.2/22
+ sign 0.073+/-0.000 χ²/NDF: 449044.5/47
All: 0.073+/-0.000 χ²/NDF: 896605.5/99
- sign 0.074+/-0.000 χ²/NDF: 442450.3/51



Right In: -0.458+/-0.000 χ^2/NDF: 7355721091.8/22

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.460+/-0.000 χ^2/NDF: 6319559717.0/28

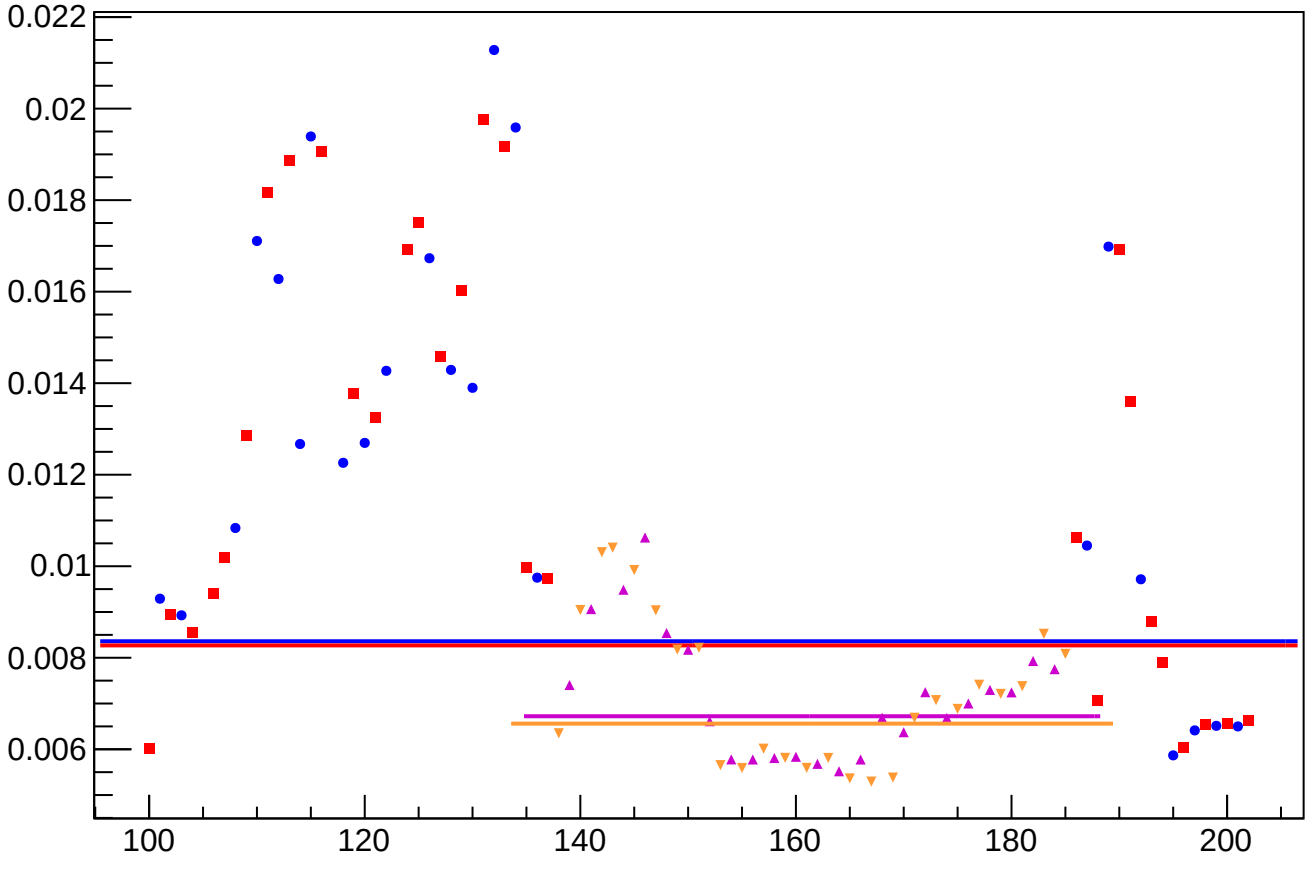
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.624+/-0.000 χ^2/NDF: 34453507177.8/47

All: -0.621+/-0.000 χ^2/NDF: 63840495711.9/

- sign -0.618+/-0.000 χ^2/NDF: 29375047680.7/51

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2754045.8/22

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3002207.2/28

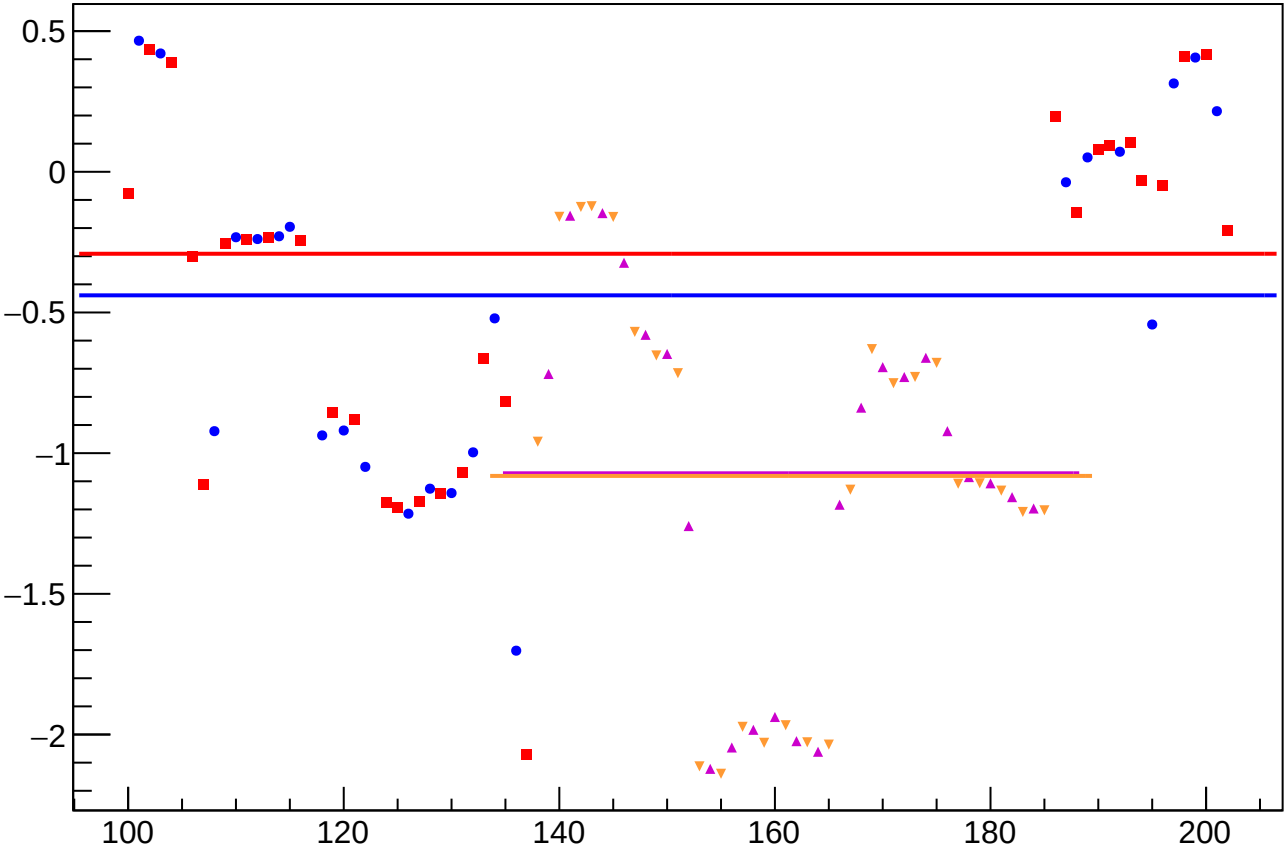
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4841041.9/47

All: 0.007+/-0.000 χ^2/NDF: 9381981.0/99

- sign 0.007+/-0.000 χ^2/NDF: 4522099.1/51

yield_bpm0r05X_mean vs Slug



Right In: -0.439+/-0.000 χ^2/NDF: 693989775.0/22

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.291+/-0.000 χ^2/NDF: 560542329.1/28

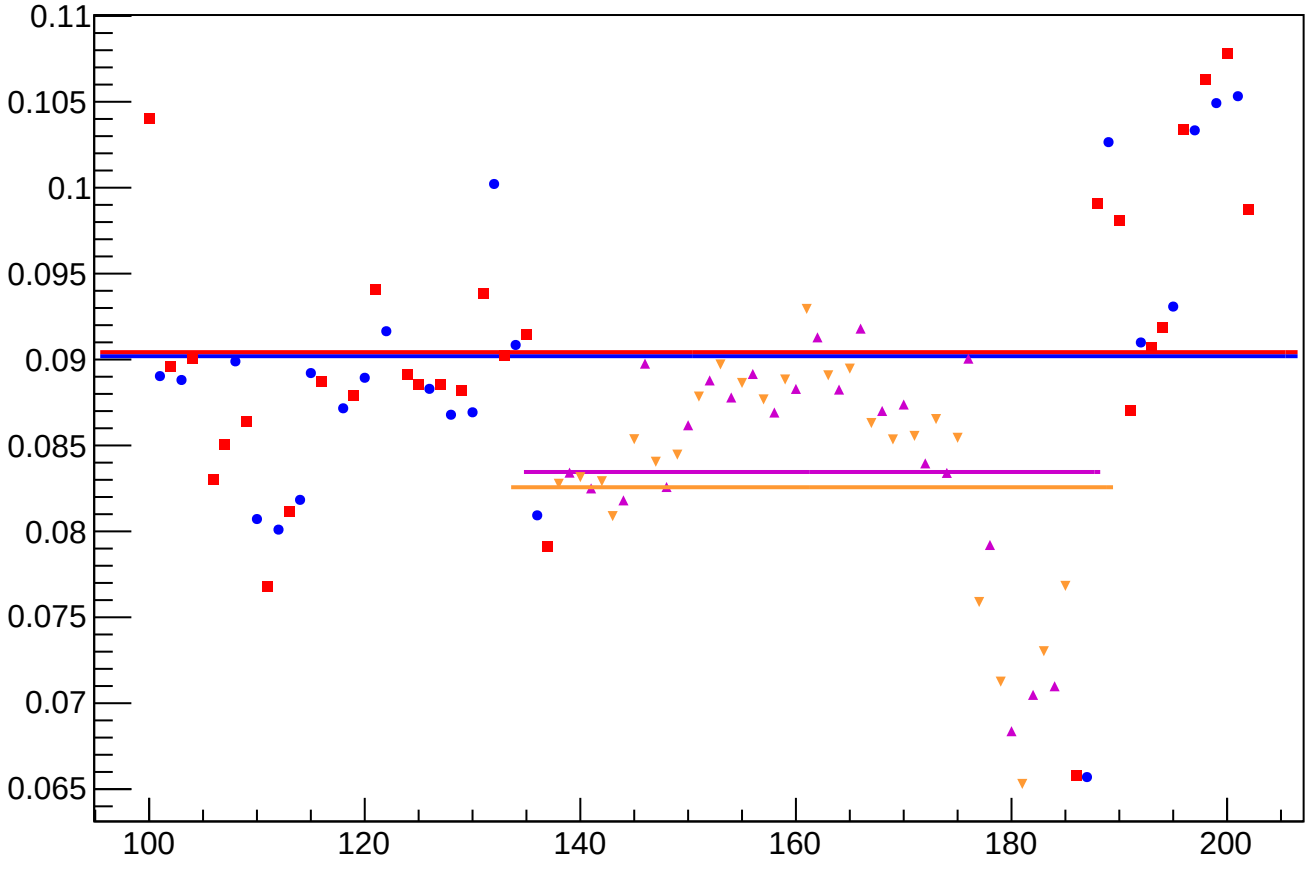
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.858+/-0.000 χ^2/NDF: 2247517510.1/47

All: -0.807+/-0.000 χ^2/NDF: 4444088400.1/9

- sign -0.757+/-0.000 χ^2/NDF: 2174399383.4/51

yield_bpm0r05X_rms vs Slug



Right In: 0.090+/-0.000 χ^2/NDF: 229120.8/22

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.090+/-0.000 χ^2/NDF: 322885.9/28

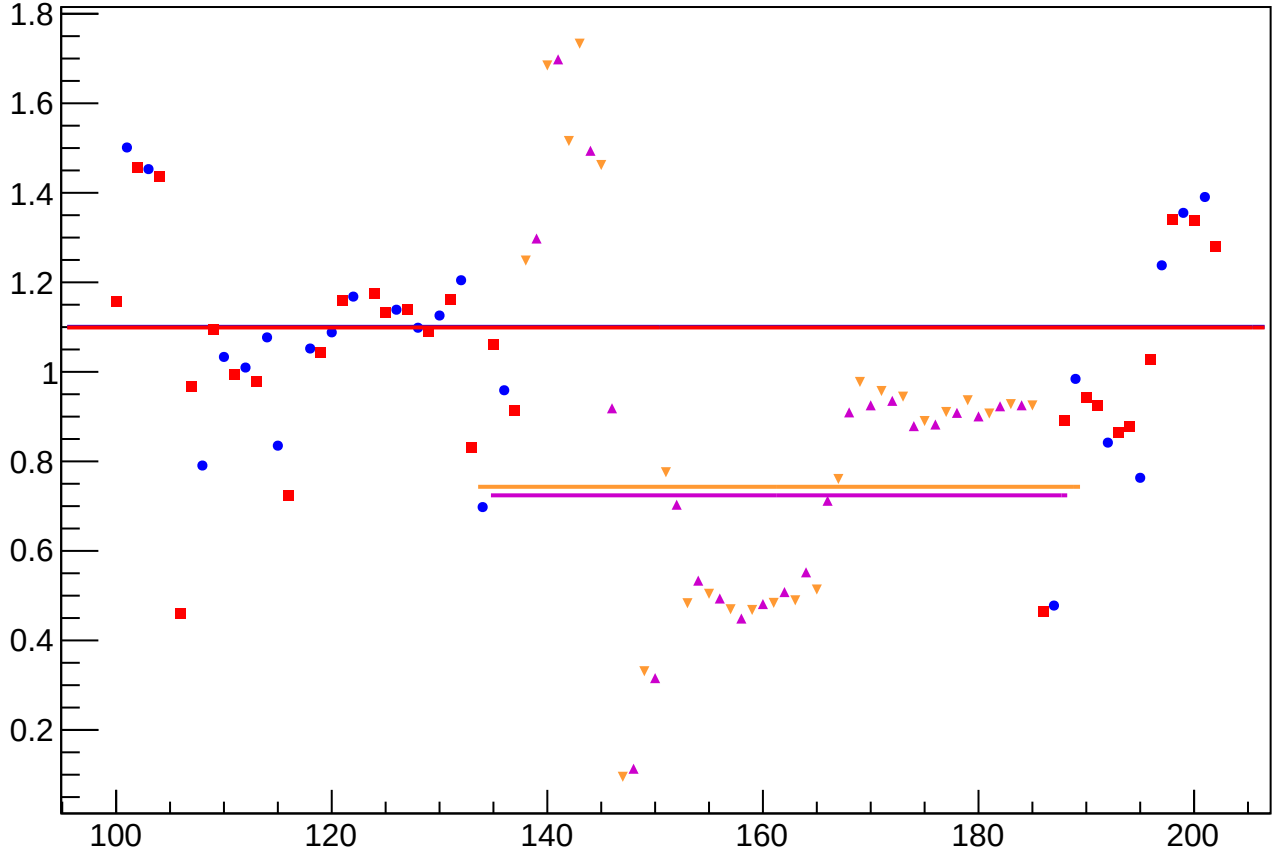
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.085+/-0.000 χ^2/NDF: 633553.4/47

All: 0.086+/-0.000 χ^2/NDF: 1301625.5/99

- sign 0.086+/-0.000 χ^2/NDF: 663278.8/51

yield_bpm0r05Y_mean vs Slug



Right In: 1.101+/-0.000 χ^2/NDF: 4892412154.6/22

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.099+/-0.000 χ^2/NDF: 4541581867.6/28

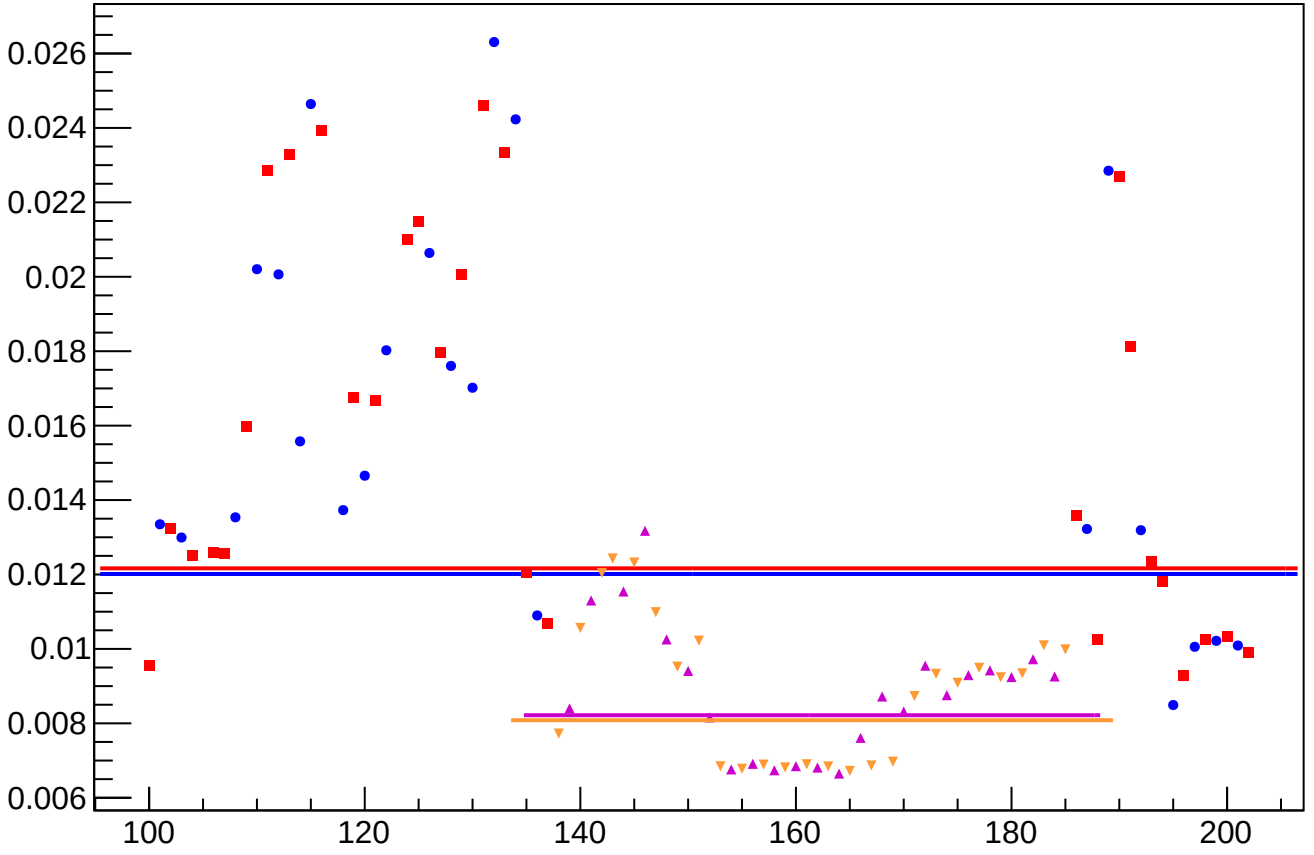
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.818+/-0.000 χ^2/NDF: 44736550470.3/47

All: 0.818+/-0.000 χ^2/NDF: 83642926917.4/9

- sign 0.818+/-0.000 χ^2/NDF: 38906369752.9/51

yield_bpm0r05Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1777380.0/22

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 1957203.1/28

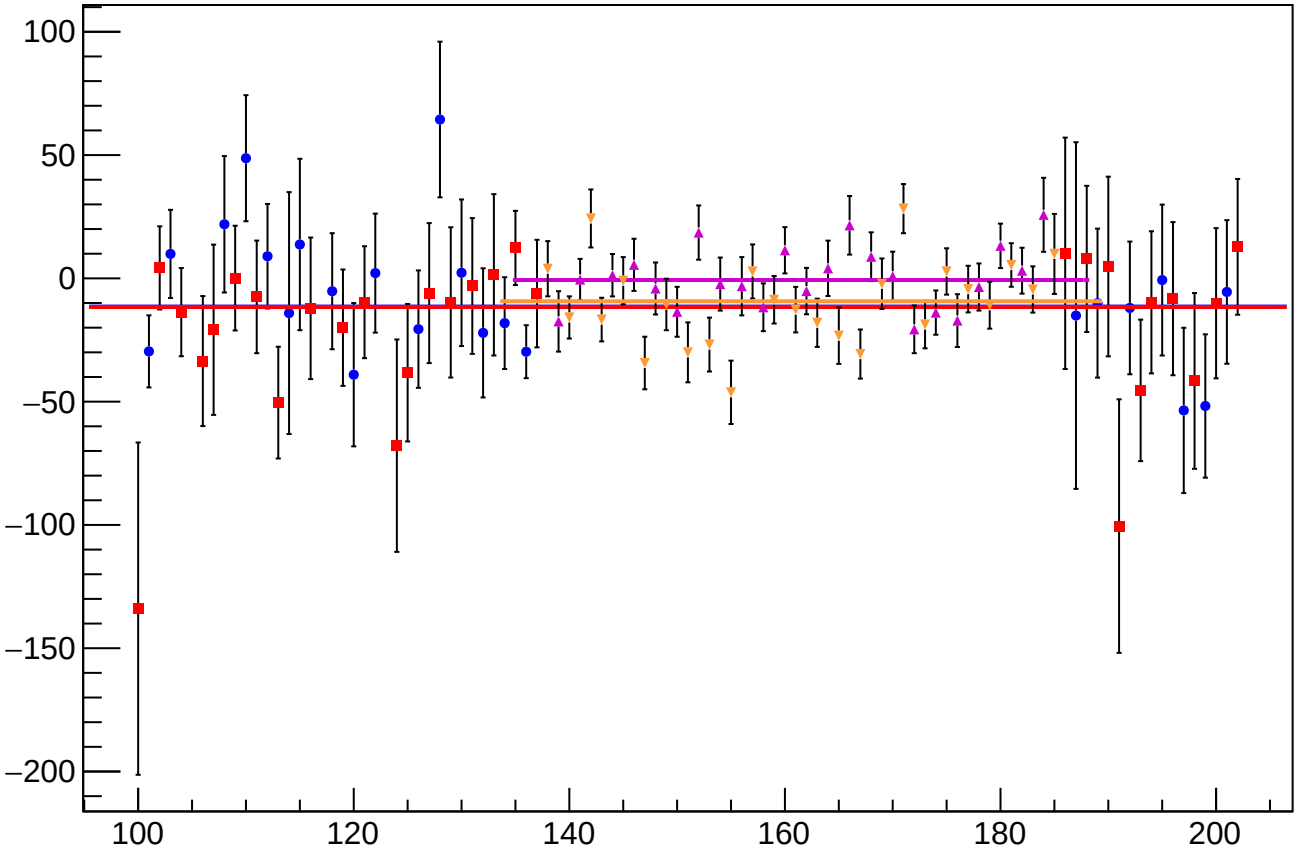
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4939827.1/47

All: 0.009+/-0.000 χ^2/NDF: 9984252.0/99

- sign 0.009+/-0.000 χ^2/NDF: 5014604.0/51

diff_bpm4aX_mean vs Slug



Right In: -11.447+/-4.838 χ^2/NDF: 25.7/22

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -11.609+/-4.853 χ^2/NDF: 20.6/28

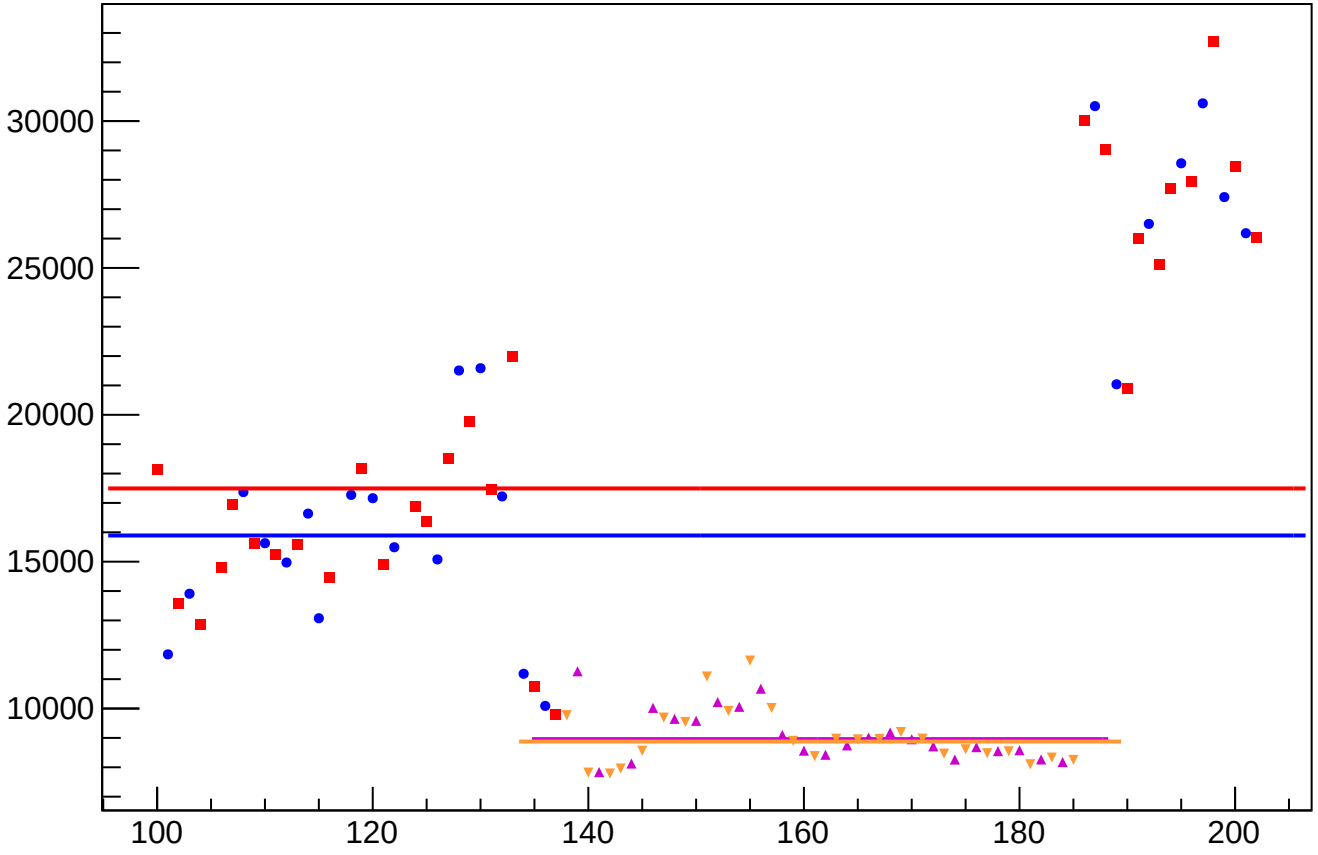
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.614+/-1.872 χ^2/NDF: 87.0/47

All: -6.120+/-1.344 χ^2/NDF: 148.5/99

- sign -2.406+/-1.931 χ^2/NDF: 54.3/51

diff_bpm4aX_rms vs Slug



Right In: 15891.305+/-3.421 χ^2/NDF: 2815525.1/22

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 17493.250+/-3.432 χ^2/NDF: 3020784.0/28

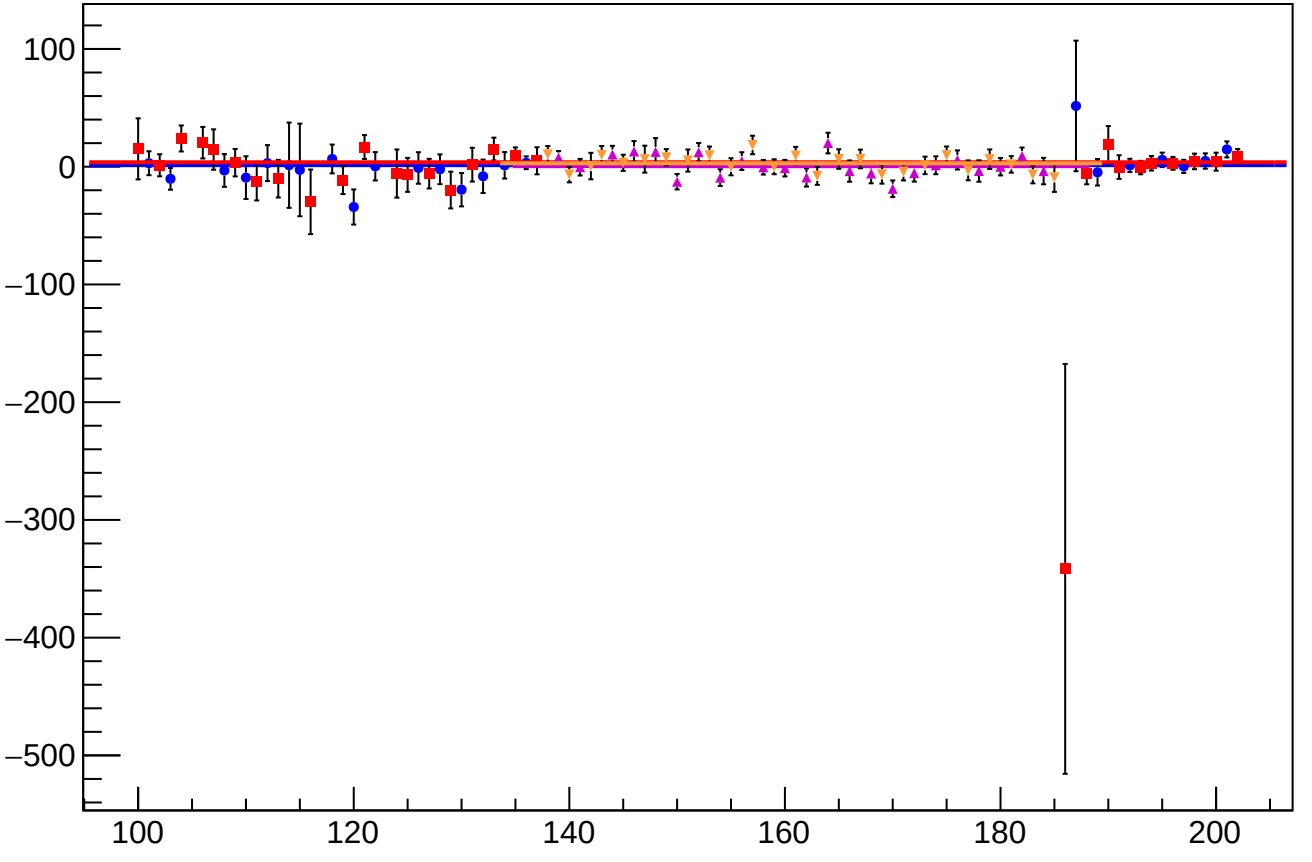
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9926.438+/-1.324 χ^2/NDF: 6738363.1/47

All: 10111.907+/-0.950 χ^2/NDF: 15307470.1

- sign 10309.086+/-1.365 χ^2/NDF: 8528618.9/51

diff_bpm4aY_mean vs Slug



Right In: 1.309+/-1.959 χ^2/NDF: 16.6/22

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: 3.776+/-1.810 χ^2/NDF: 25.0/28

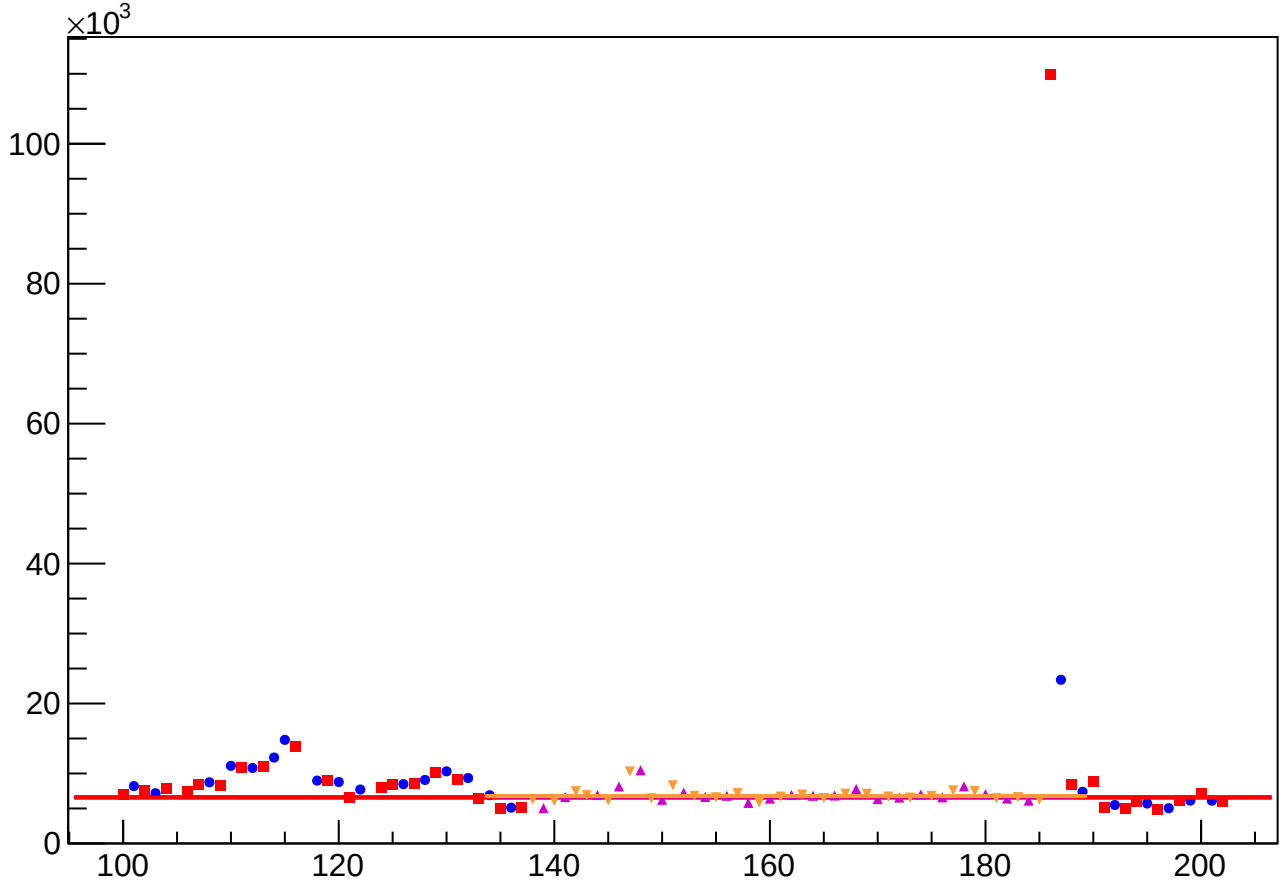
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.273+/-1.217 χ^2/NDF: 36.5/47

All: 2.078+/-0.851 χ^2/NDF: 96.2/99

- sign 1.893+/-1.191 χ^2/NDF: 59.7/51

diff_bpm4aY_rms vs Slug



Right In: 6596.737+/-1.385 χ^2/NDF: 1617902.4/22

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

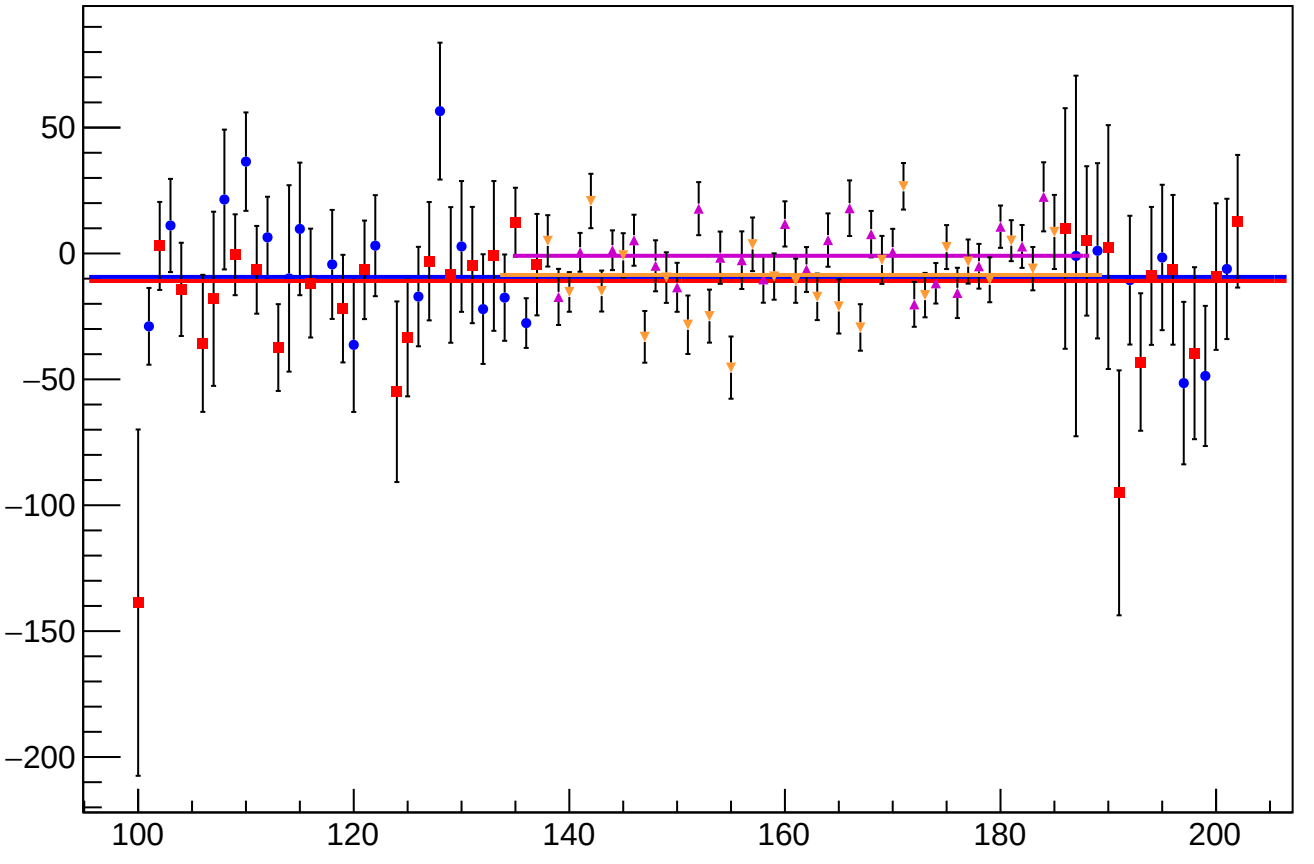
Right Out: 6556.908+/-1.280 χ^2/NDF: 2323704.4/28

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6707.230+/-0.861 χ^2/NDF: 2028434.5/47

All: 6668.865+/-0.602 χ^2/NDF: 4982393.2/99

- sign 6632.141+/-0.842 χ^2/NDF: 2950070.8/51



Right In: -9.312+/-4.400 χ^2/NDF: 26.7/22

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

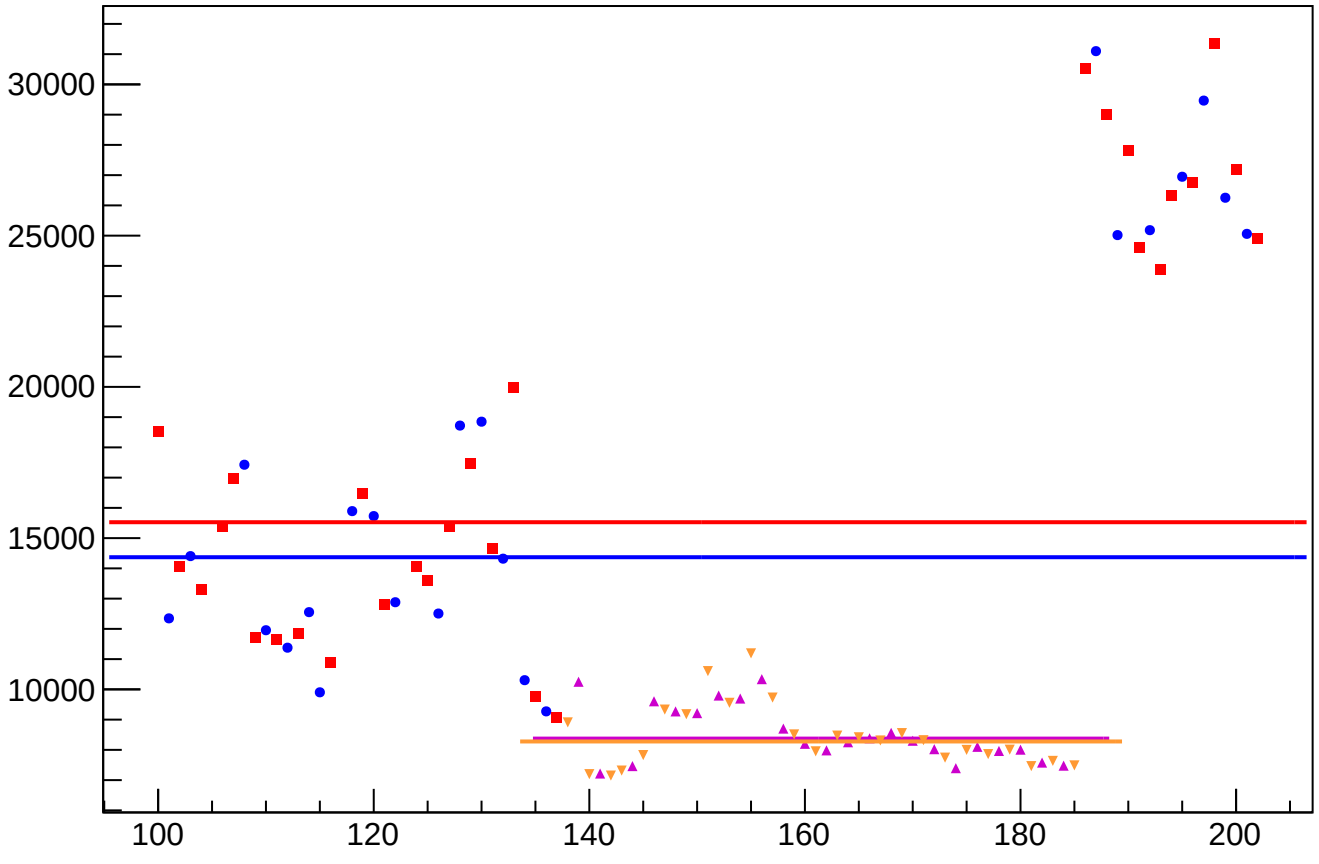
Right Out: -10.926+/-4.369 χ^2/NDF: 20.4/28

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.658+/-1.742 χ^2/NDF: 88.6/47

All: -5.725+/-1.250 χ^2/NDF: 148.3/99

- sign -2.609+/-1.795 χ^2/NDF: 53.9/51



Right In: 14369.021+/-3.112 χ^2/NDF: 3151309.6/22

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

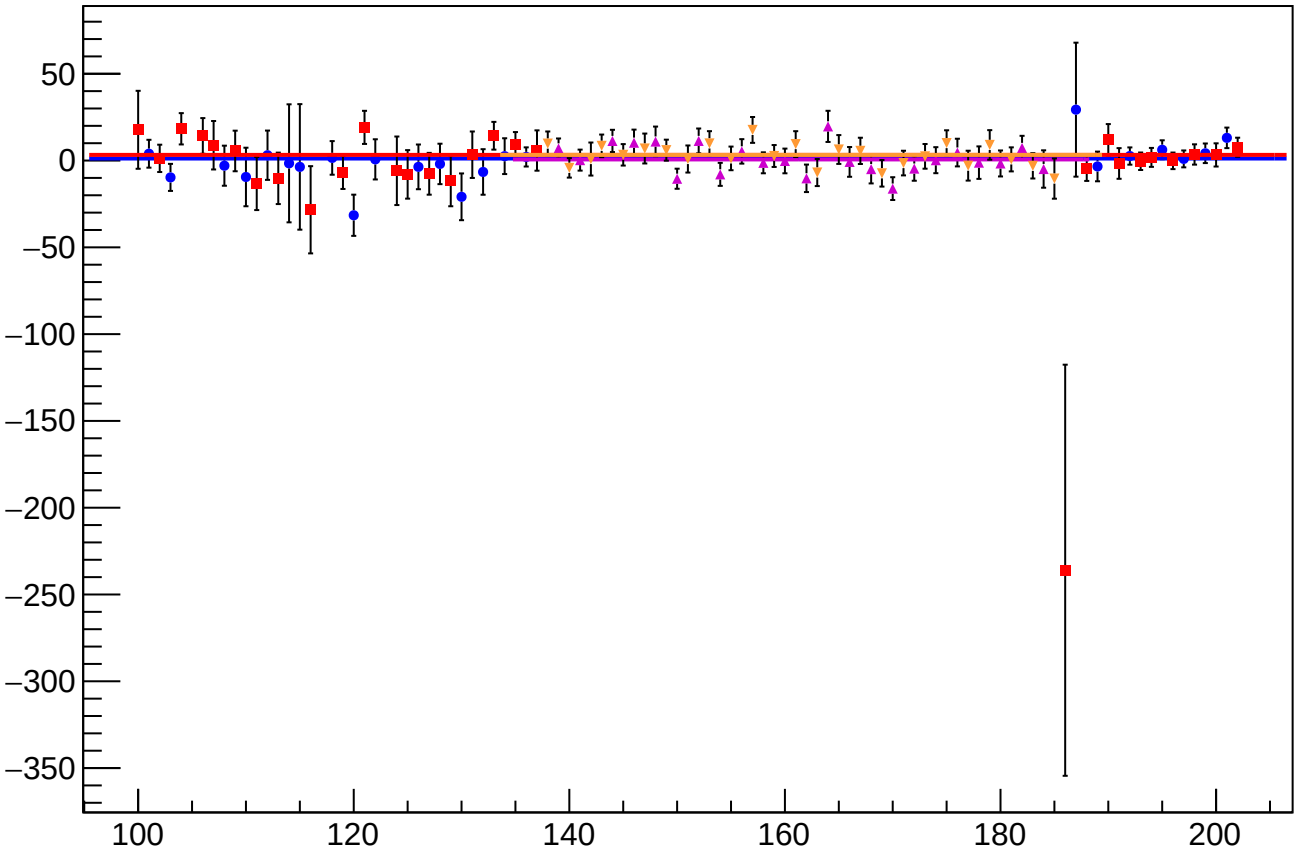
Right Out: 15526.056+/-3.089 χ^2/NDF: 3718748.9/28

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9232.069+/-1.232 χ^2/NDF: 6838220.8/47

All: 9400.850+/-0.884 χ^2/NDF: 15446020.0/9

- sign 9580.112+/-1.269 χ^2/NDF: 8569072.6/51



Right In: 1.171+/-1.735 χ^2/NDF: 19.6/22

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 3.268+/-1.584 χ^2/NDF: 25.7/28

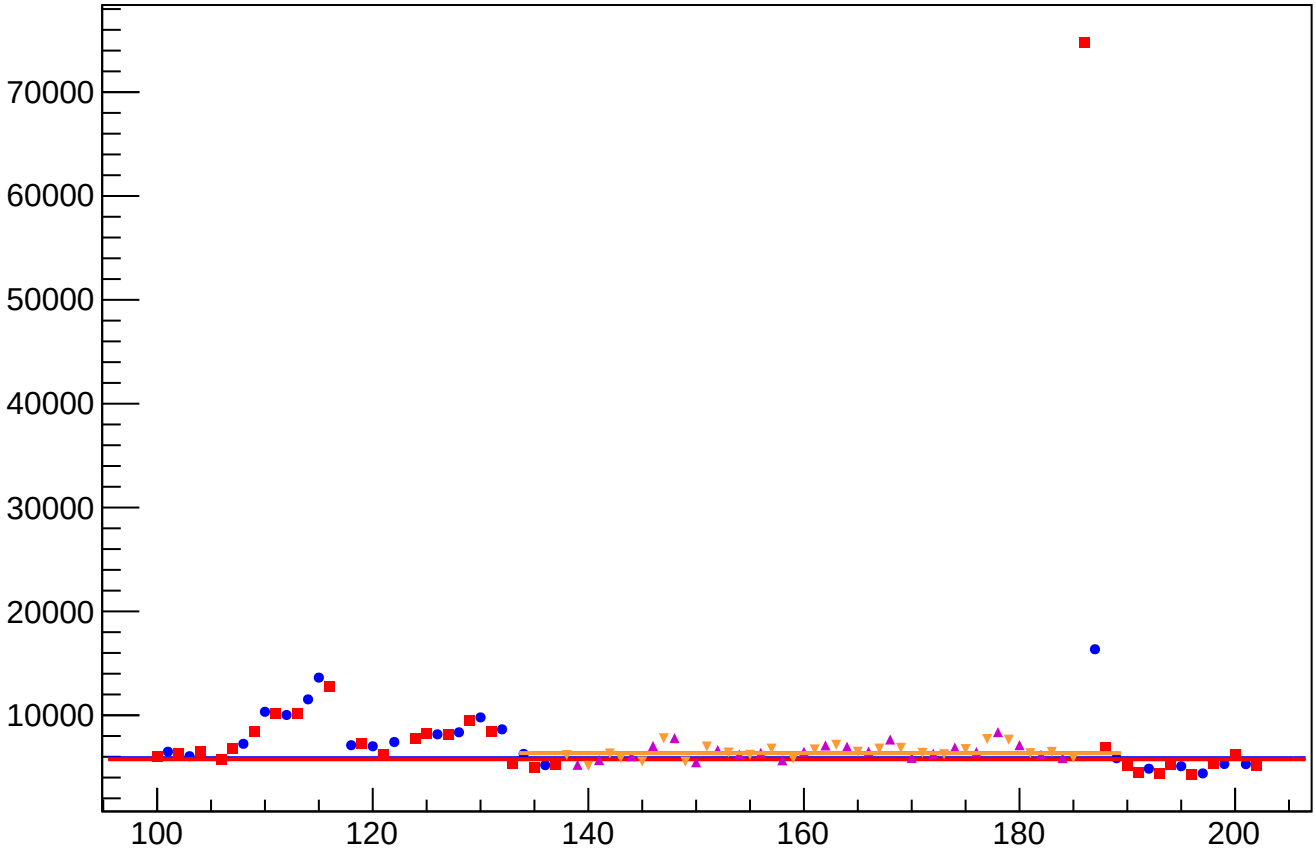
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.393+/-1.116 χ^2/NDF: 38.1/47

All: 2.132+/-0.779 χ^2/NDF: 96.0/99

- sign 1.885+/-1.089 χ^2/NDF: 57.9/51

diff_bpm4eY_rms vs Slug



Right In: 5864.534+/-1.227 χ^2/NDF: 1527735.5/22

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5762.972+/-1.120 χ^2/NDF: 2291856.4/28

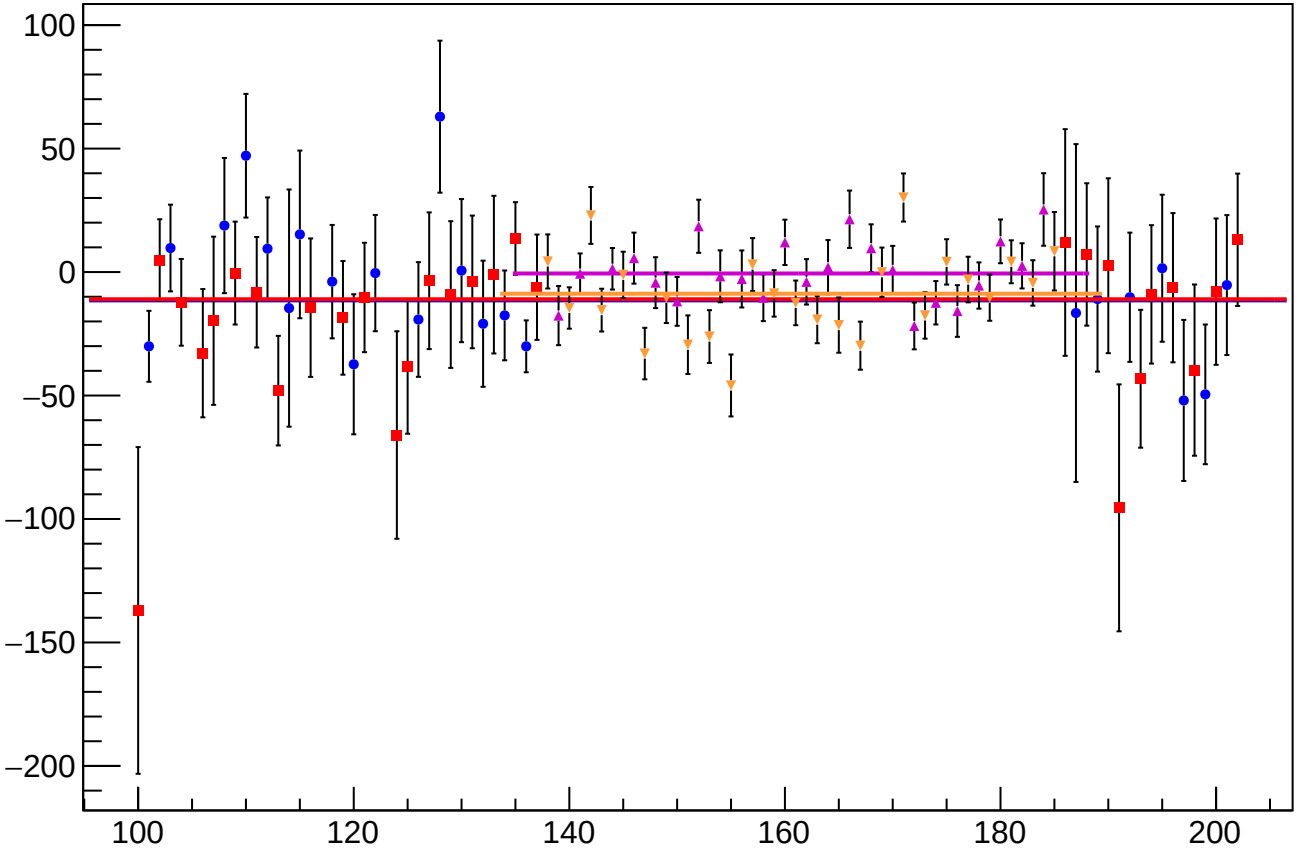
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6153.605+/-0.789 χ^2/NDF: 2036600.7/47

All: 6114.790+/-0.551 χ^2/NDF: 4956886.7/99

- sign 6077.822+/-0.770 χ^2/NDF: 2915560.0/51

diff_bpm4acX_mean vs Slug



Right In: -11.470+/-4.730 χ^2/NDF: 25.7/22

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -11.015+/-4.744 χ^2/NDF: 20.8/28

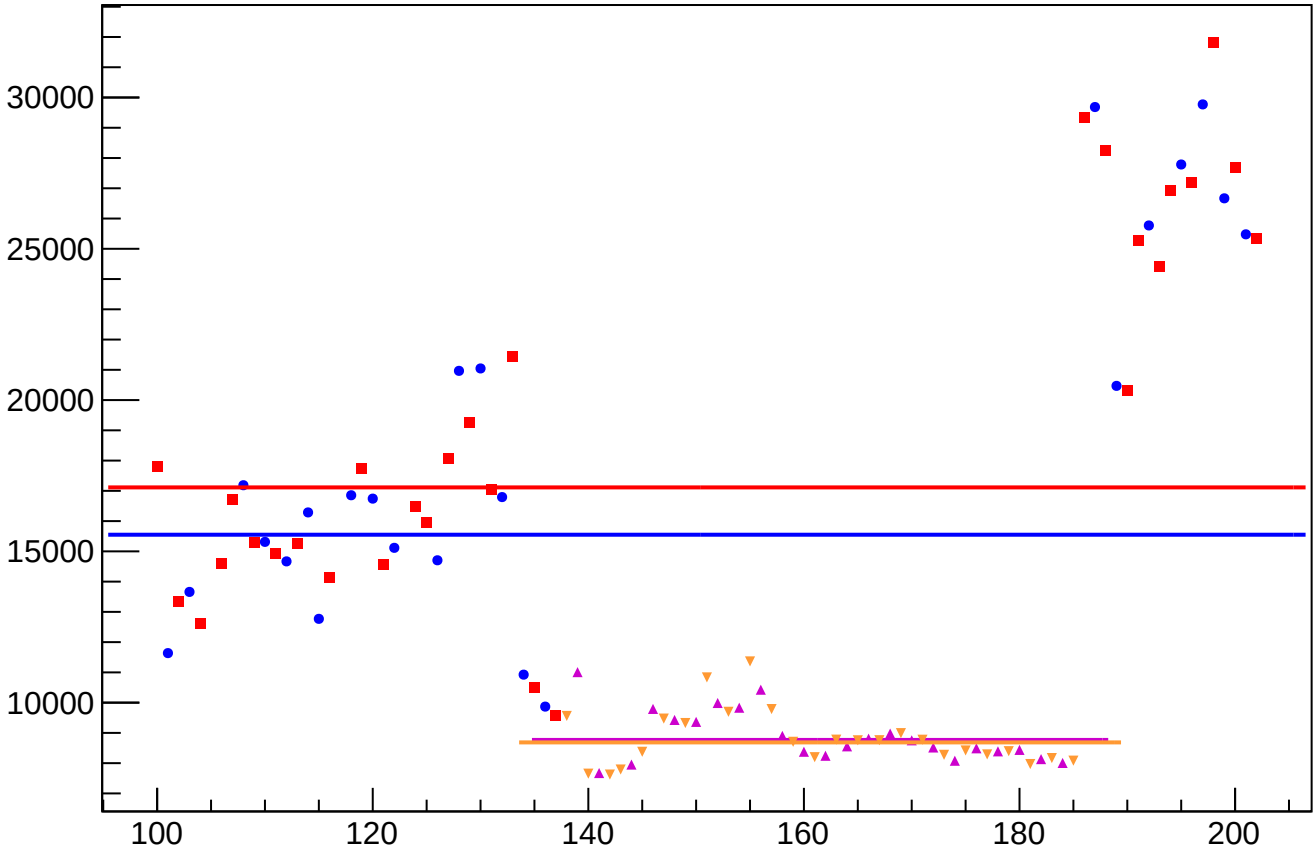
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.172+/-1.832 χ^2/NDF: 88.7/47

All: -5.809+/-1.315 χ^2/NDF: 150.2/99

- sign -2.233+/-1.889 χ^2/NDF: 54.5/51

diff_bpm4acX_rms vs Slug



Right In: 15549.927+/-3.345 χ^2/NDF: 2782051.2/22

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17113.898+/-3.355 χ^2/NDF: 2977136.2/28

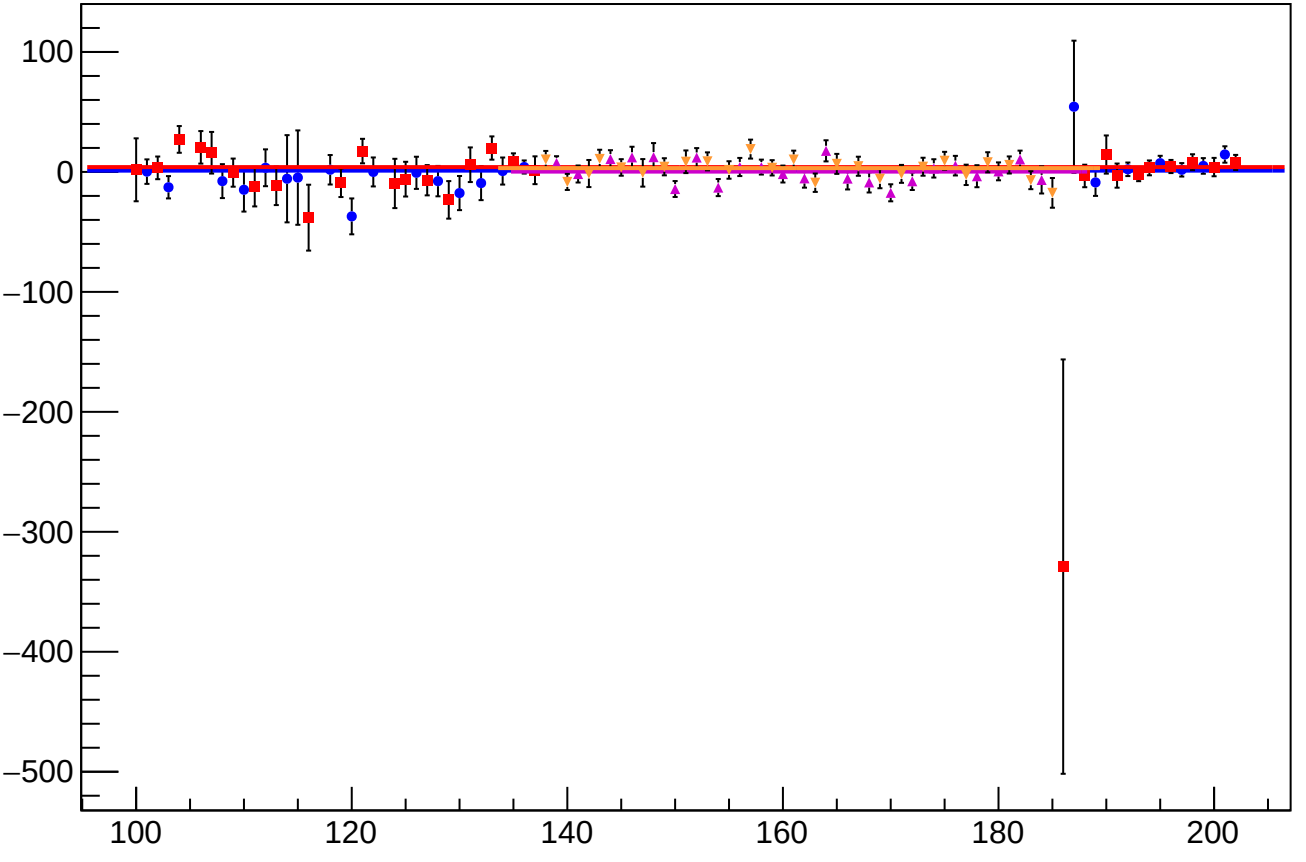
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9715.527+/-1.295 χ^2/NDF: 6702280.2/47

All: 9897.416+/-0.930 χ^2/NDF: 15224537.0/9

- sign 10090.790+/-1.336 χ^2/NDF: 8481578.6/51

diff_bpm4acY_mean vs Slug



Right In: 1.080+/-1.966 χ^2/NDF: 20.1/22

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

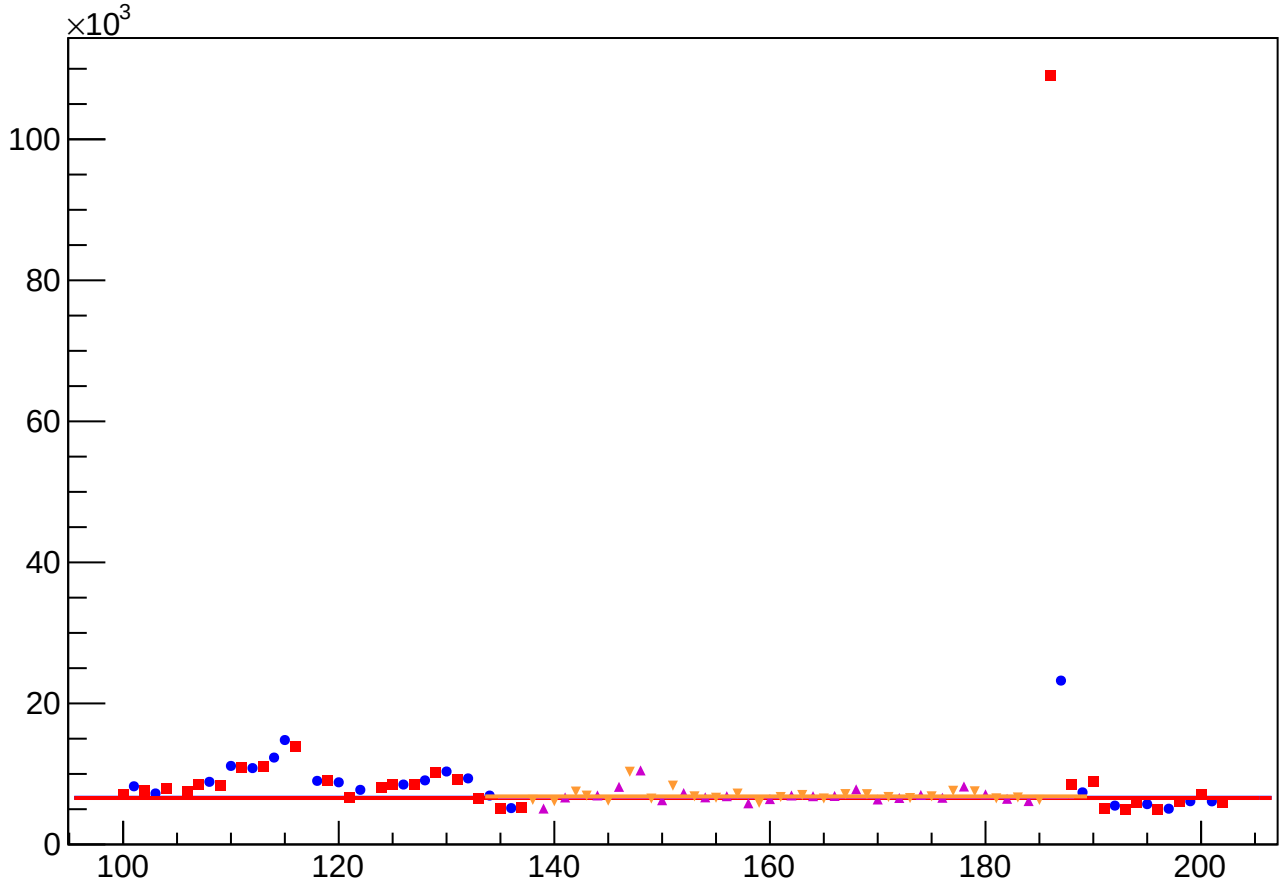
Right Out: 4.020+/-1.818 χ^2/NDF: 28.6/28

Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.362+/-1.223 χ^2/NDF: 42.4/47

All: 2.124+/-0.855 χ^2/NDF: 107.7/99

- sign 1.895+/-1.197 χ^2/NDF: 65.3/51



Right In: 6622.819+/-1.390 χ^2/NDF: 1615899.9/22

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

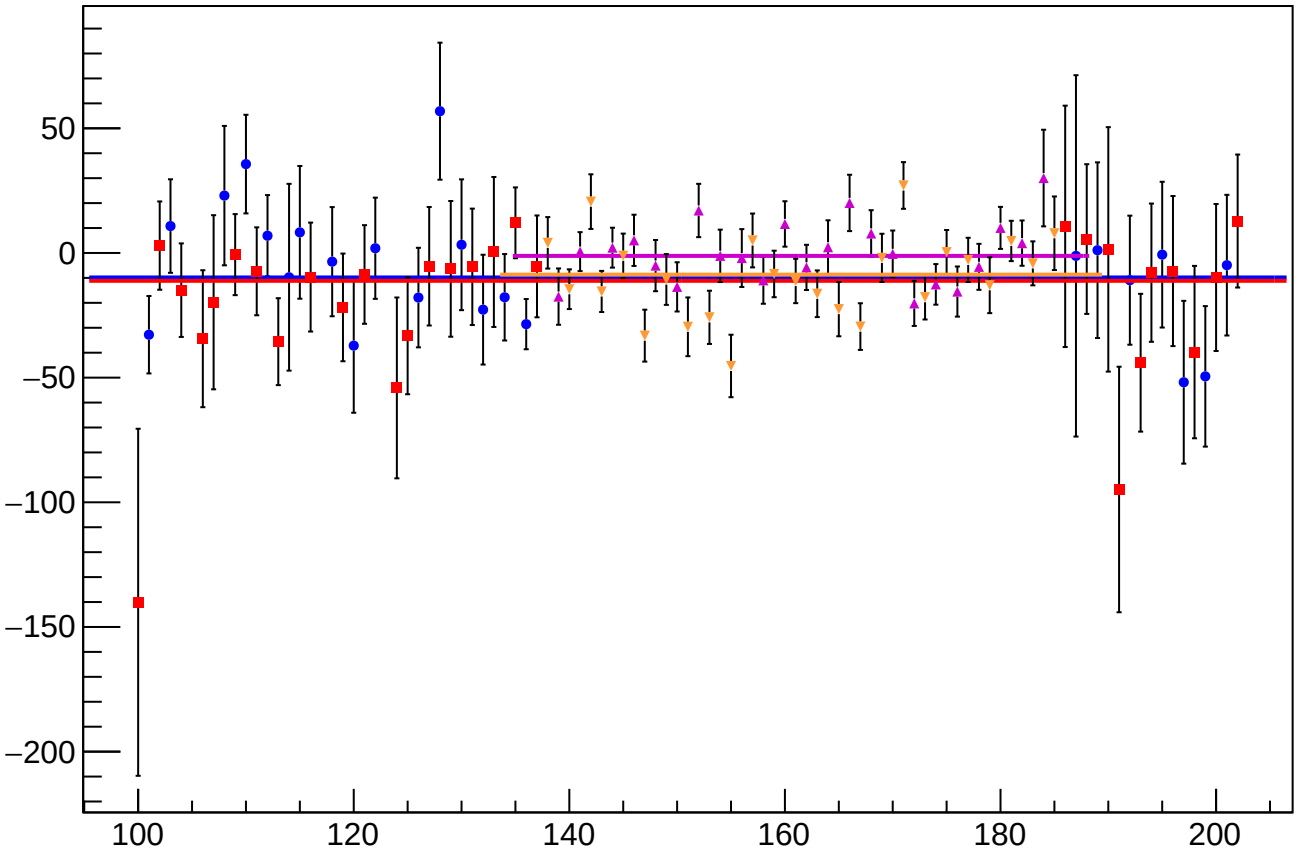
Right Out: 6585.650+/-1.285 χ^2/NDF: 2317308.8/28

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6739.410+/-0.865 χ^2/NDF: 2021987.8/47

All: 6702.020+/-0.605 χ^2/NDF: 4959928.2/99

- sign 6666.212+/-0.846 χ^2/NDF: 2934280.8/51



Right In: -9.826+/-4.460 χ^2/NDF: 27.2/22

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

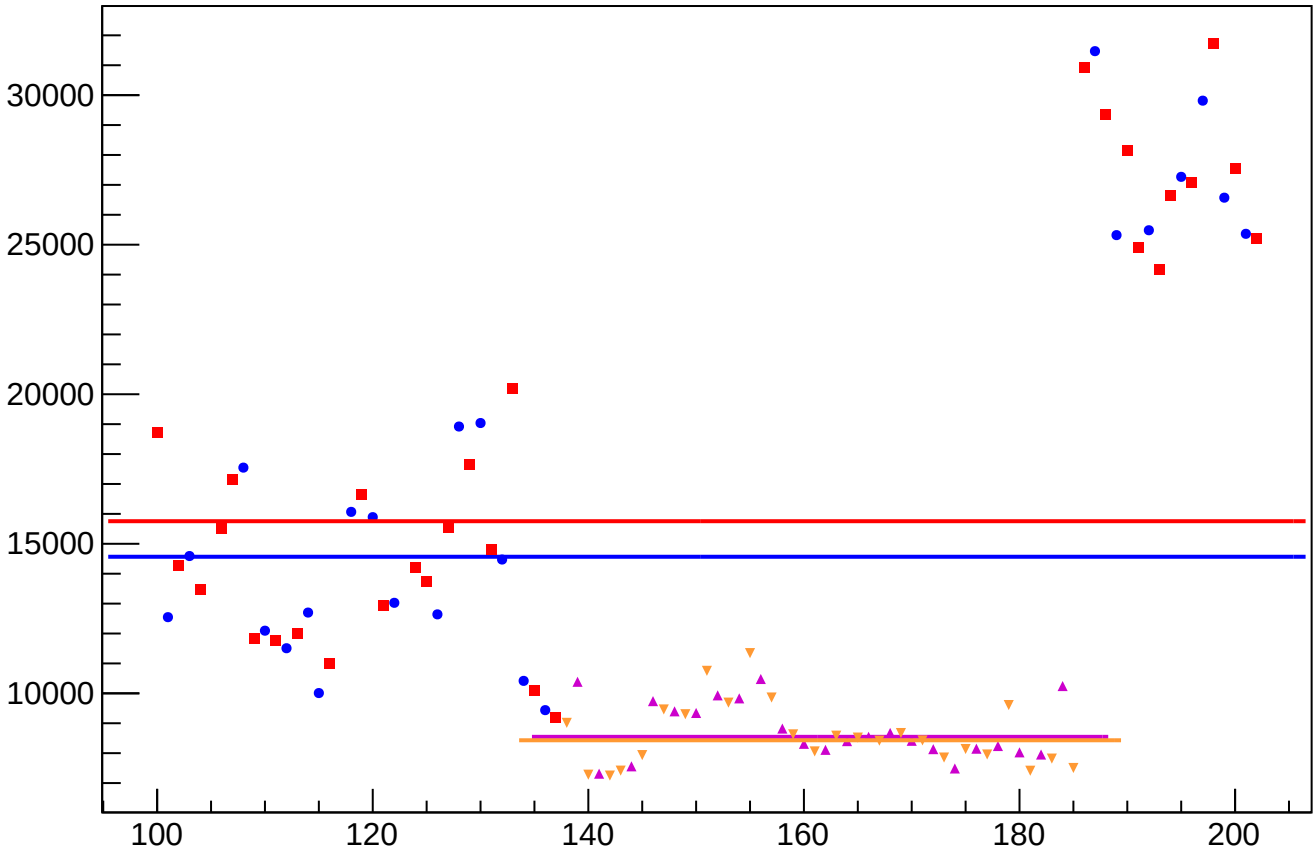
Right Out: -11.165+/-4.431 χ^2/NDF: 19.3/28

Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.872+/-1.776 χ^2/NDF: 88.7/47

All: -5.971+/-1.275 χ^2/NDF: 146.3/99

- sign -2.883+/-1.832 χ^2/NDF: 52.1/51



Right In: 14566.496+/-3.154 χ^2/NDF: 3129341.7/22

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15755.210+/-3.133 χ^2/NDF: 3678910.4/28

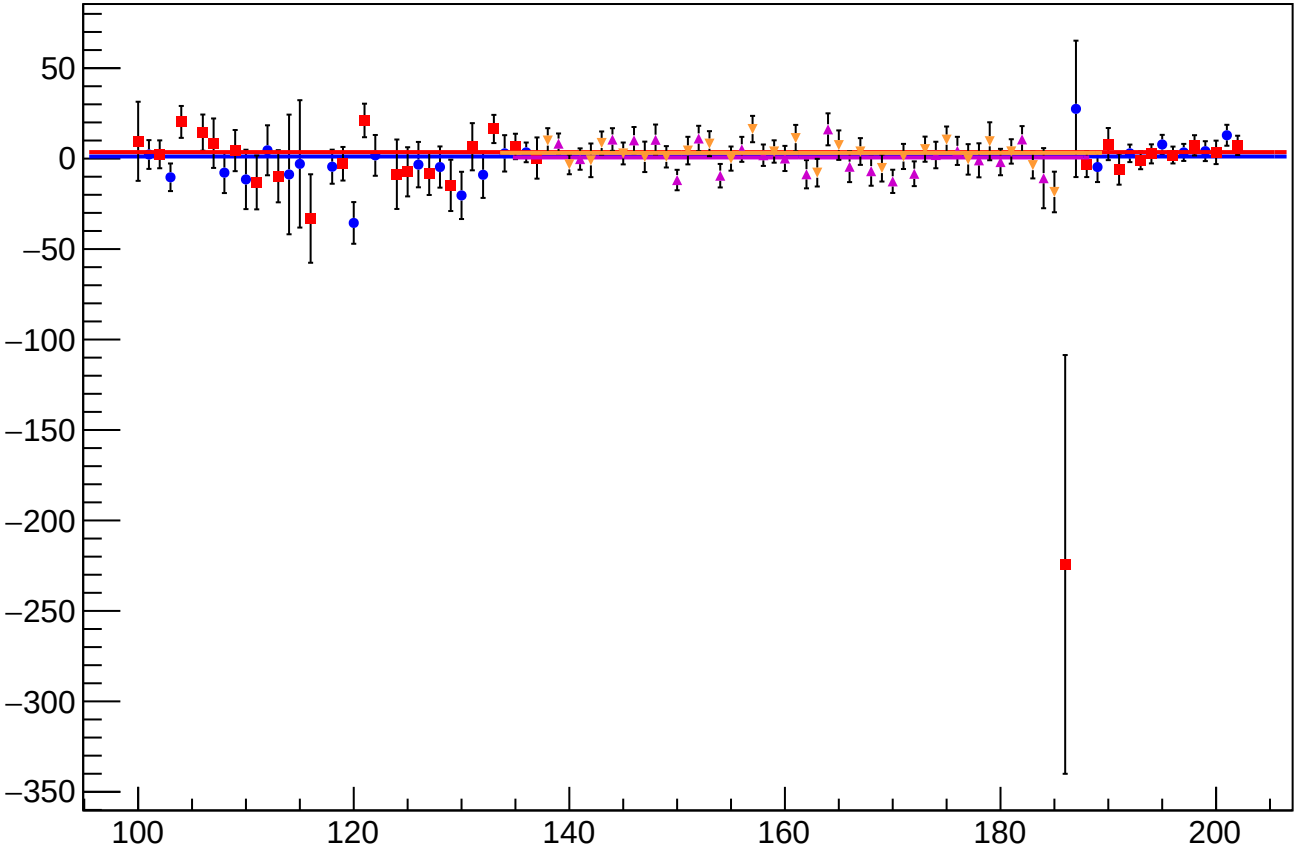
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9403.603+/-1.256 χ^2/NDF: 6798920.0/47

All: 9585.183+/-0.902 χ^2/NDF: 15300675.1/9

- sign 9778.440+/-1.296 χ^2/NDF: 8458599.3/51

diff_bpm4ecY_mean vs Slug



Right In: 1.168+/-1.692 χ^2/NDF: 25.4/22

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 3.606+/-1.544 χ^2/NDF: 28.3/28

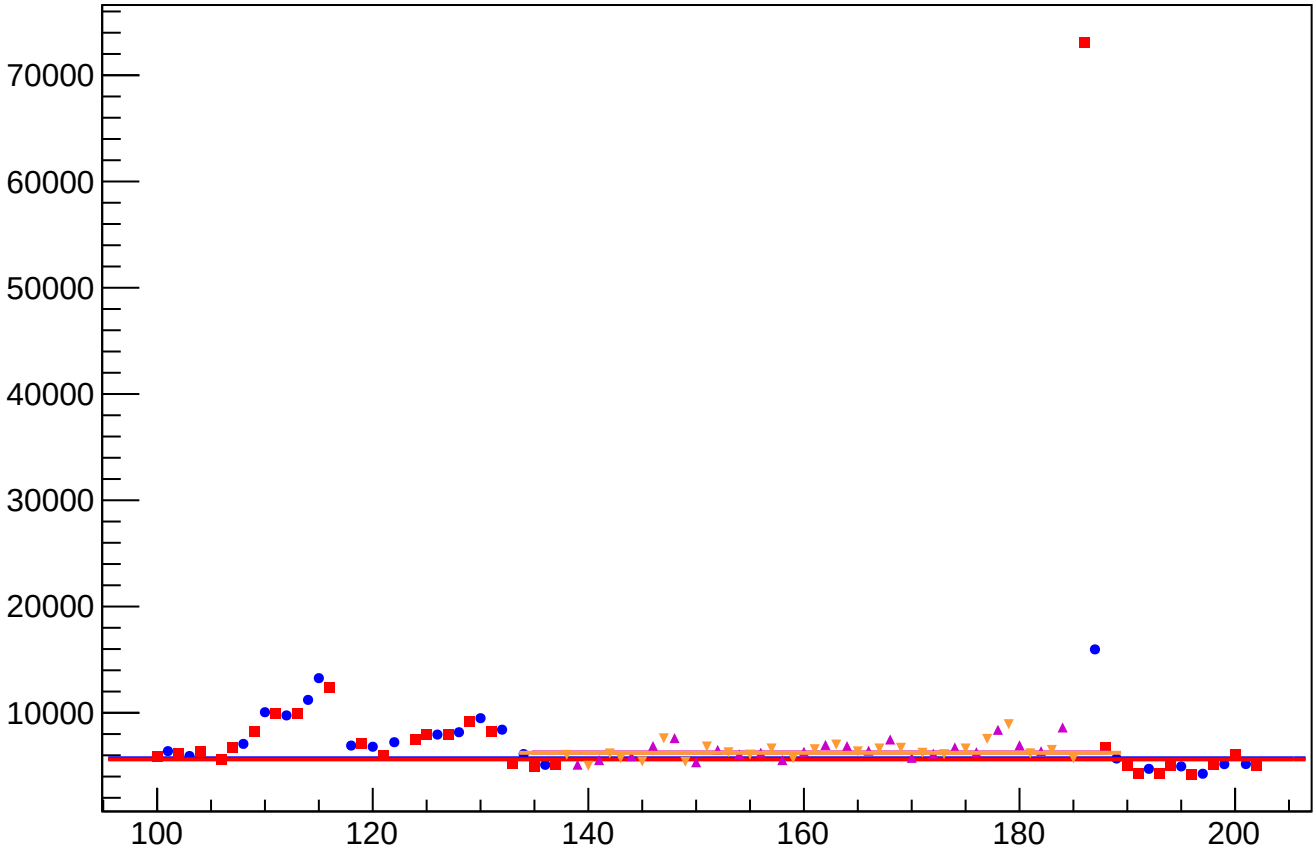
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.342+/-1.094 χ^2/NDF: 44.9/47

All: 2.196+/-0.765 χ^2/NDF: 107.0/99

- sign 2.058+/-1.069 χ^2/NDF: 62.1/51

diff_bpm4ecY_rms vs Slug



Right In: 5717.806+/-1.197 χ^2/NDF: 1530017.8/22

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5617.322+/-1.092 χ^2/NDF: 2273828.8/28

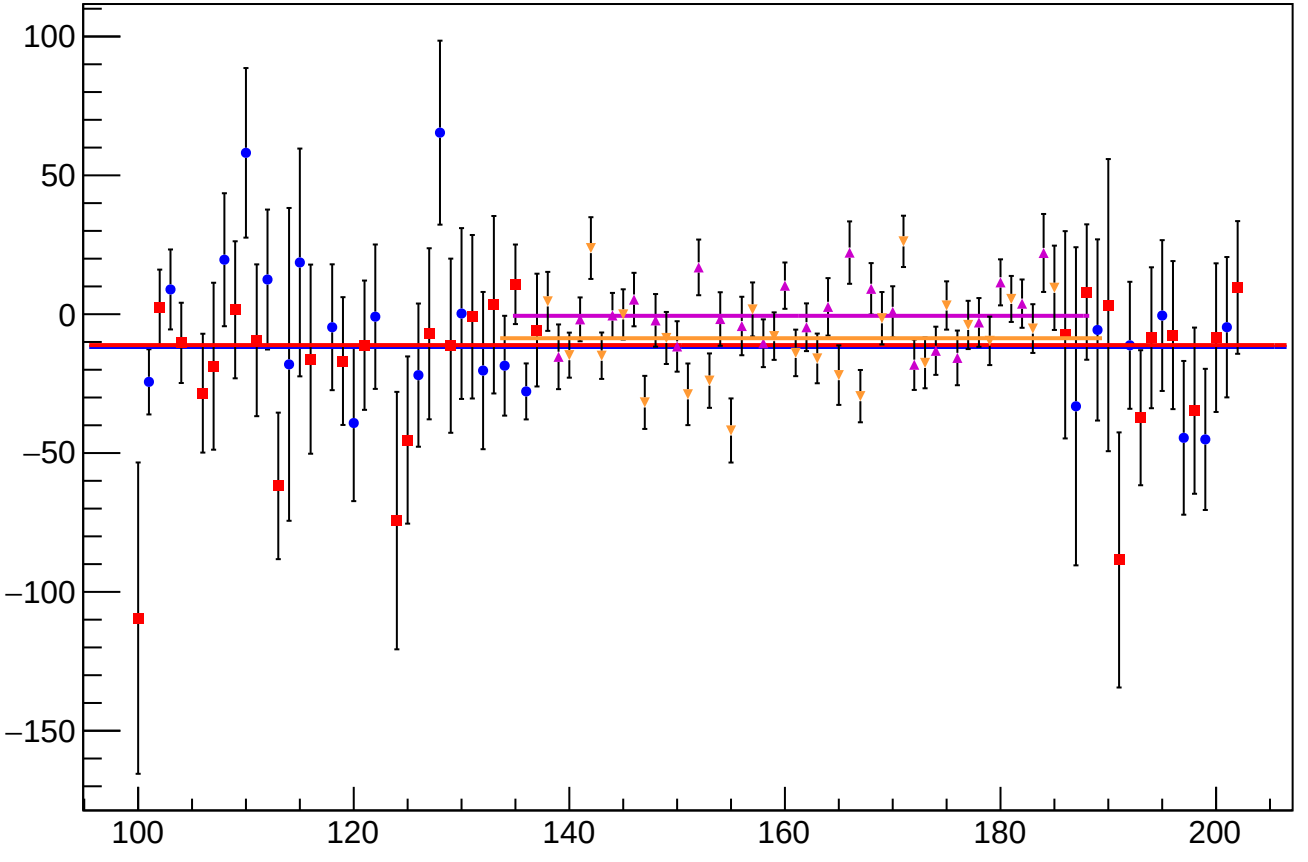
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6020.397+/-0.774 χ^2/NDF: 2147667.0/47

All: 5987.582+/-0.541 χ^2/NDF: 5134345.2/99

- sign 5956.258+/-0.756 χ^2/NDF: 2983163.3/51

diff_bpm1X_mean vs Slug



Right In: -11.807+/-4.533 χ^2/NDF: 24.9/22

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -11.125+/-4.561 χ^2/NDF: 20.9/28

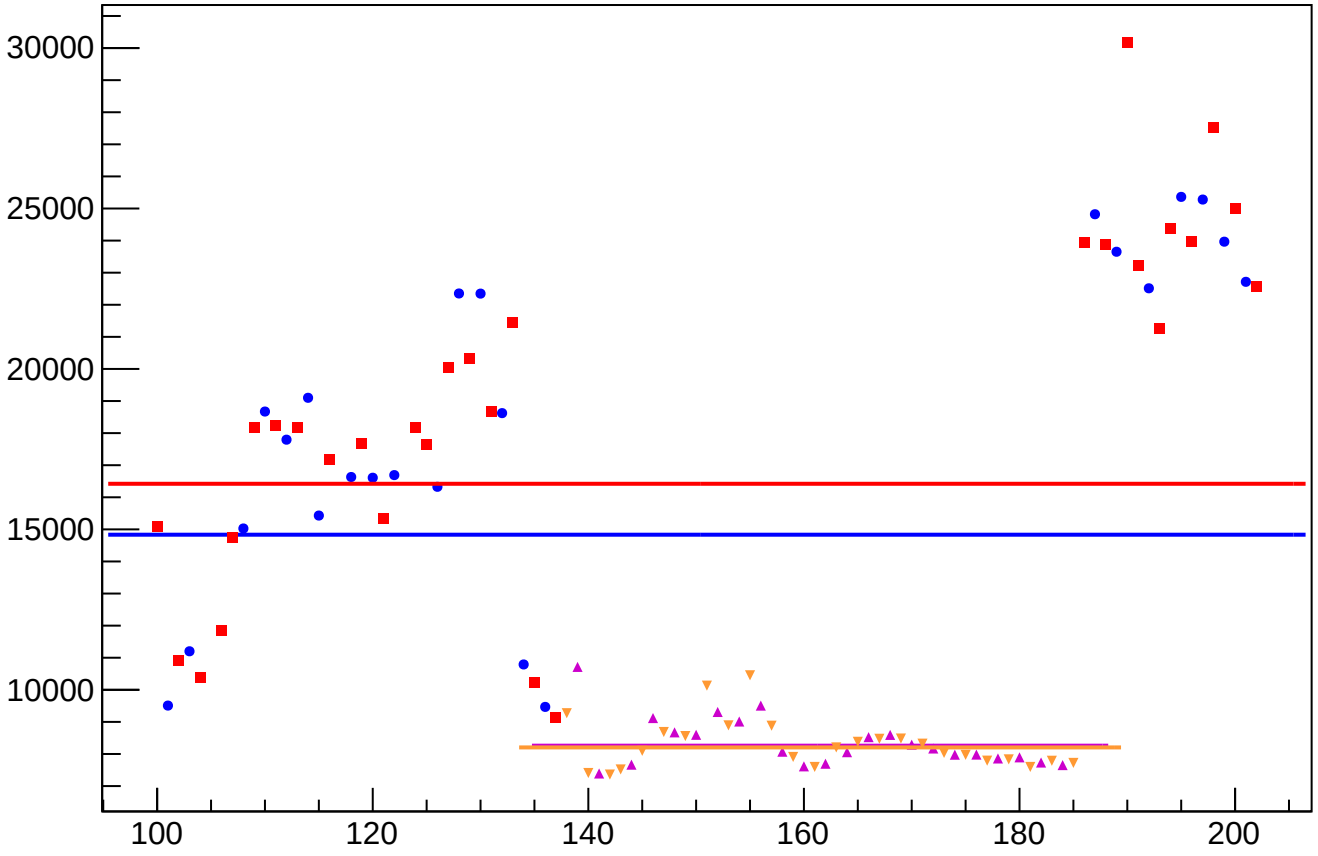
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -9.111+/-1.733 χ^2/NDF: 88.4/47

All: -5.755+/-1.243 χ^2/NDF: 150.0/99

- sign -2.196+/-1.784 χ^2/NDF: 53.9/51

diff_bpm1X_rms vs Slug



Right In: 14833.957+/-3.206 χ^2/NDF: 3044390.7/22

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16421.052+/-3.225 χ^2/NDF: 3072629.8/28

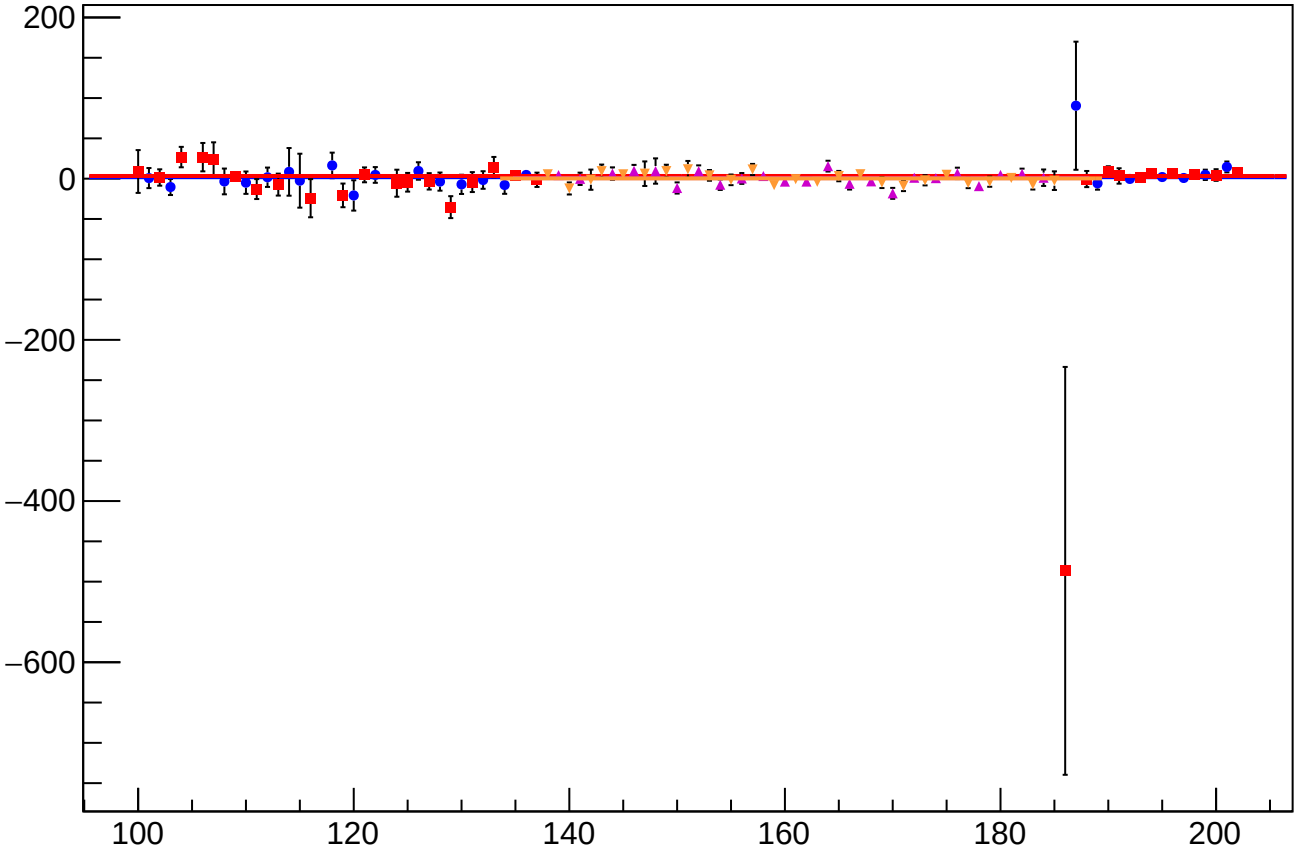
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9172.966+/-1.225 χ^2/NDF: 6969534.8/47

All: 9335.681+/-0.879 χ^2/NDF: 15759991.8/9

- sign 9508.230+/-1.262 χ^2/NDF: 8754116.6/51

diff_bpm1Y_mean vs Slug



Right In: 1.841+/-1.790 χ^2/NDF: 13.1/22

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 3.325+/-1.576 χ^2/NDF: 29.1/28

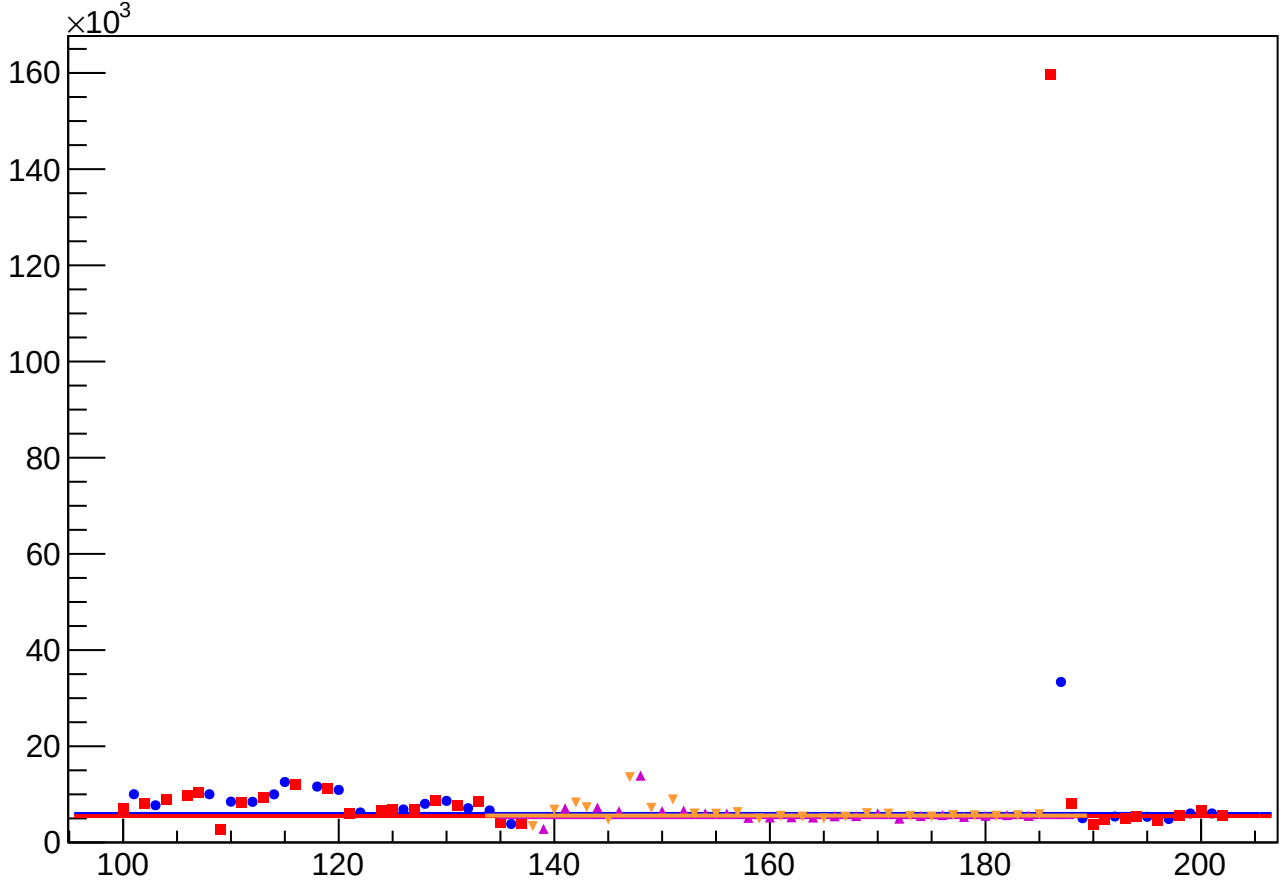
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.878+/-1.063 χ^2/NDF: 35.1/47

All: 1.346+/-0.728 χ^2/NDF: 96.1/99

- sign 1.760+/-0.999 χ^2/NDF: 60.7/51

diff_bpm1Y_rms vs Slug



Right In: 5928.196+/-1.266 χ^2/NDF: 2209691.2/22

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5480.480+/-1.114 χ^2/NDF: 3736009.7/28

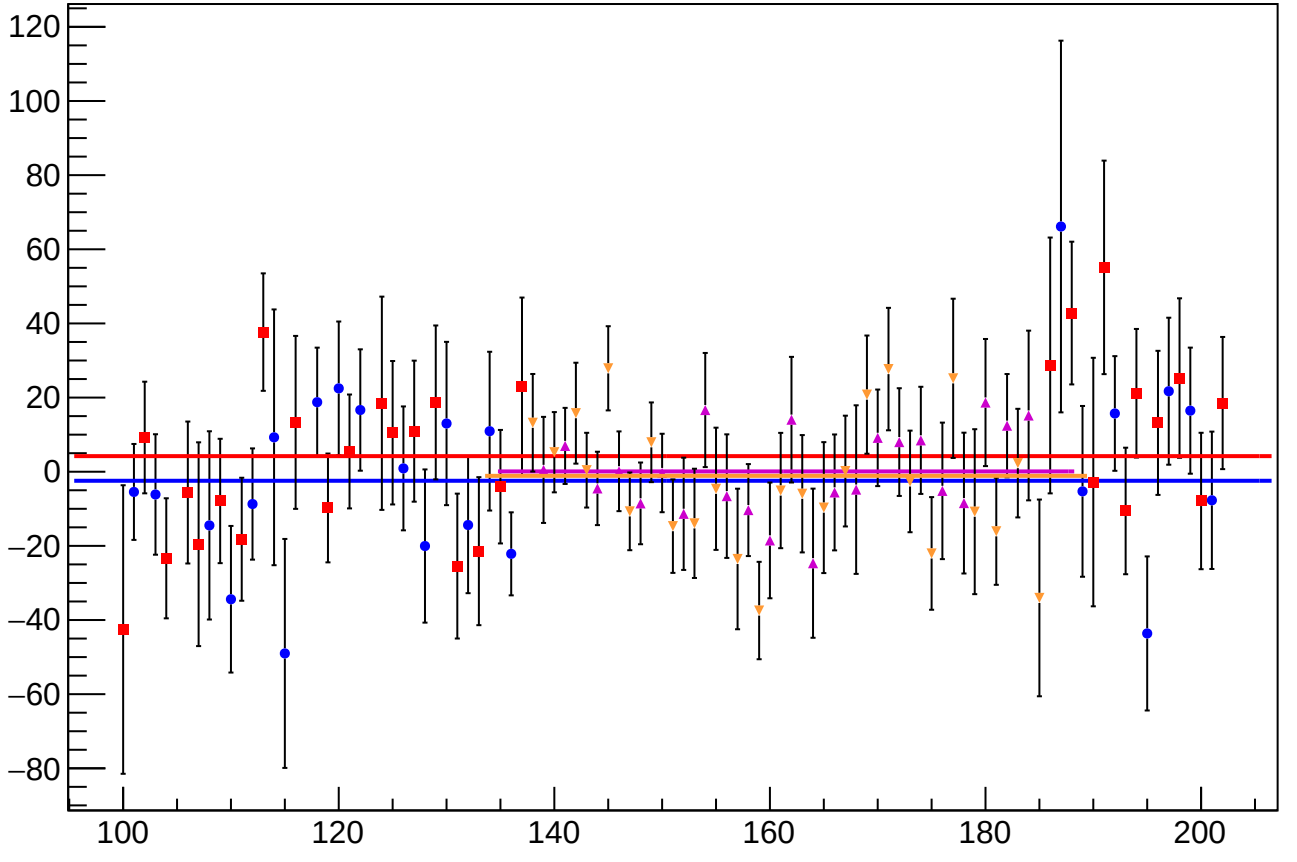
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5712.201+/-0.752 χ^2/NDF: 4038921.2/47

All: 5519.884+/-0.515 χ^2/NDF: 10346527.8/9

- sign 5350.211+/-0.706 χ^2/NDF: 6184457.0/51

diff_bpm11X_mean vs Slug



Right In: -2.440+/-3.768 χ^2/NDF: 26.0/22

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

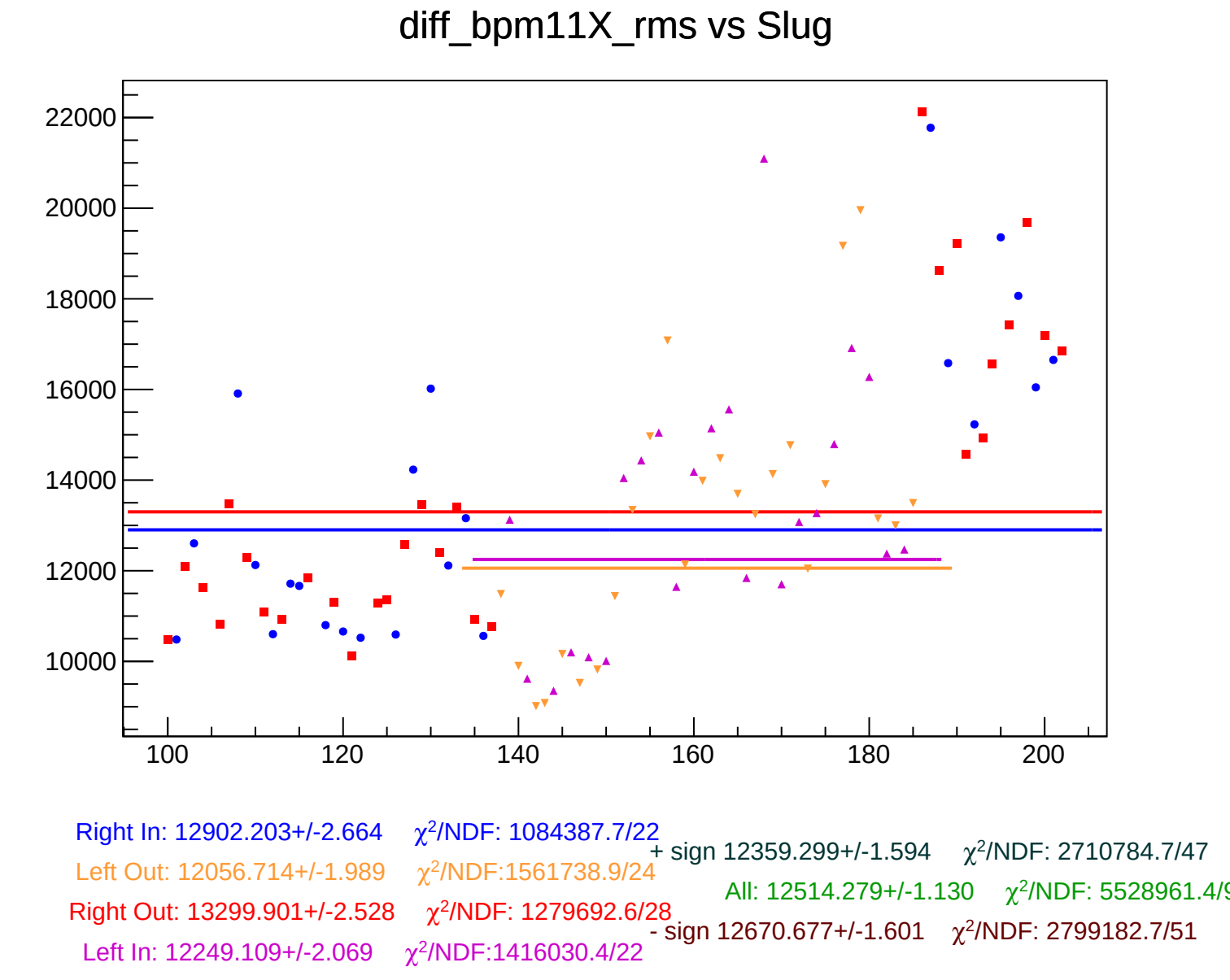
Right Out: 4.207+/-3.575 χ^2/NDF: 30.8/28

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

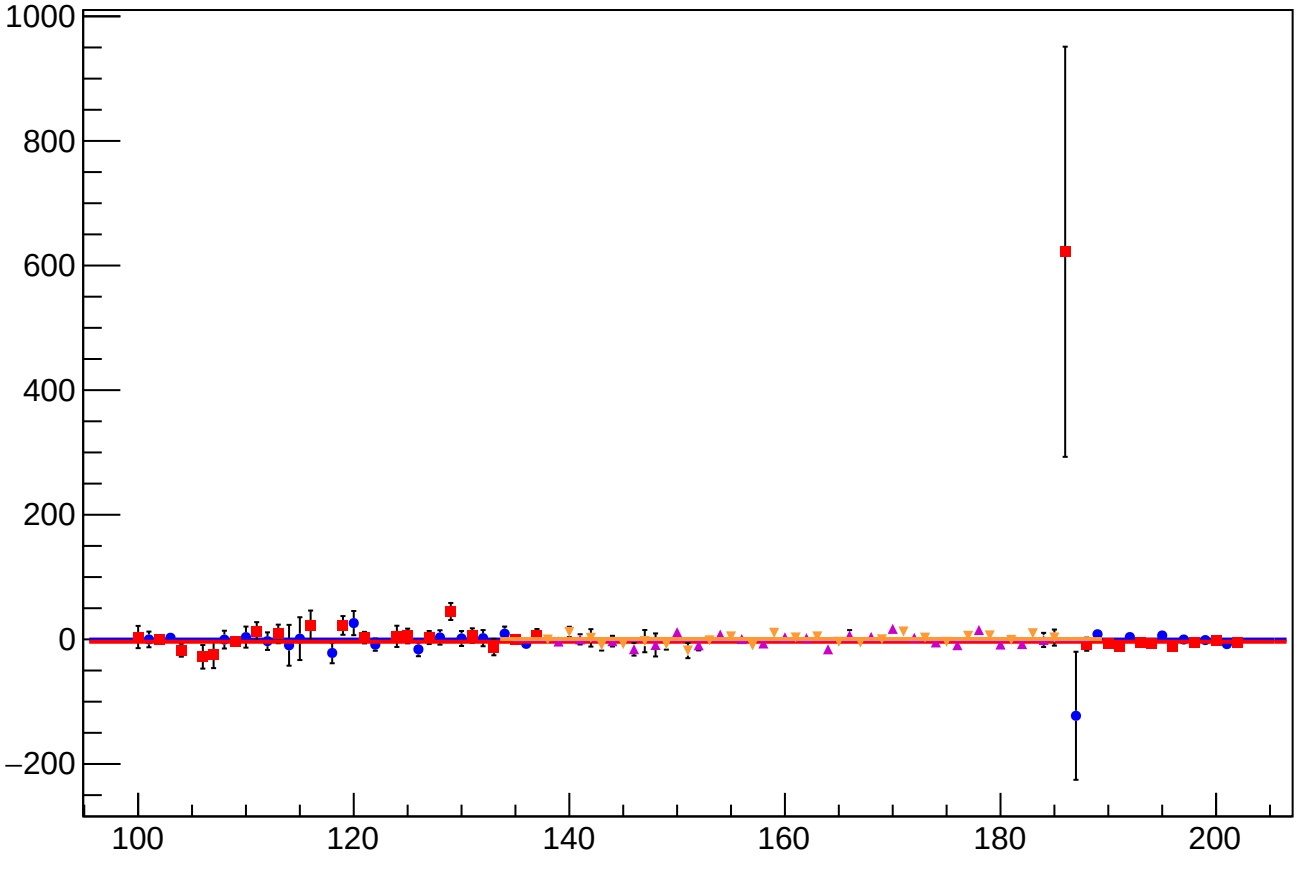
+ sign -1.587+/-2.254 χ^2/NDF: 59.9/47

All: 0.068+/-1.598 χ^2/NDF: 104.0/99

- sign 1.738+/-2.264 χ^2/NDF: 43.1/51


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 12902.203+/-2.664 χ²/NDF: 1084387.7/22
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13299.901+/-2.528 χ²/NDF: 1279692.6/28
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 12359.299+/-1.594 χ²/NDF: 2710784.7/47
All: 12514.279+/-1.130 χ²/NDF: 5528961.4/9
- sign 12670.677+/-1.601 χ²/NDF: 2799182.7/51

diff_bpm11Y_mean vs Slug



Right In: -0.311+/-1.631 χ^2/NDF: 17.1/22

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -3.822+/-1.436 χ^2/NDF: 36.5/28

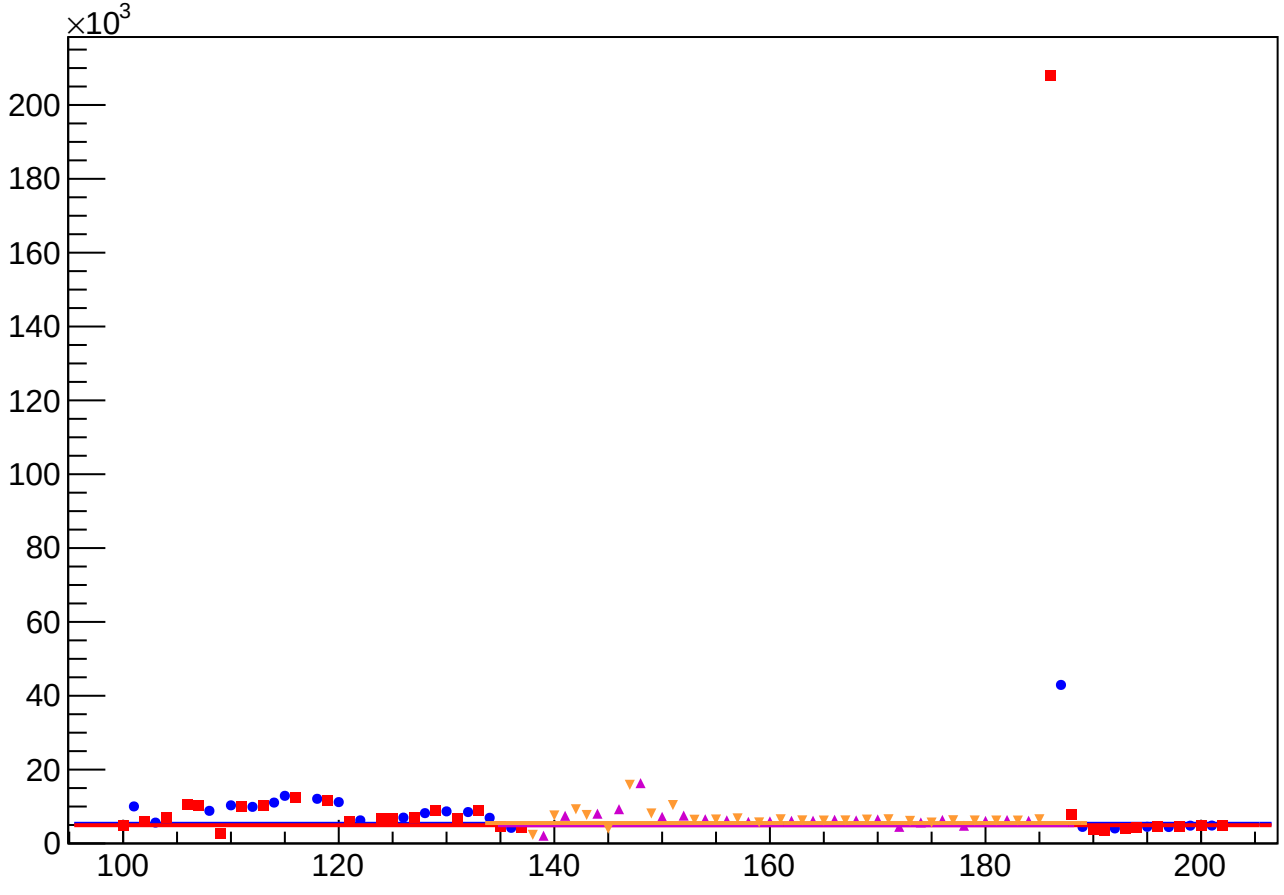
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.180+/-1.048 χ^2/NDF: 38.7/47

All: -1.132+/-0.709 χ^2/NDF: 112.5/99

- sign -2.235+/-0.962 χ^2/NDF: 70.9/51

diff_bpm11Y_rms vs Slug



Right In: 5324.078+/-1.153 χ^2/NDF: 2725642.7/22

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

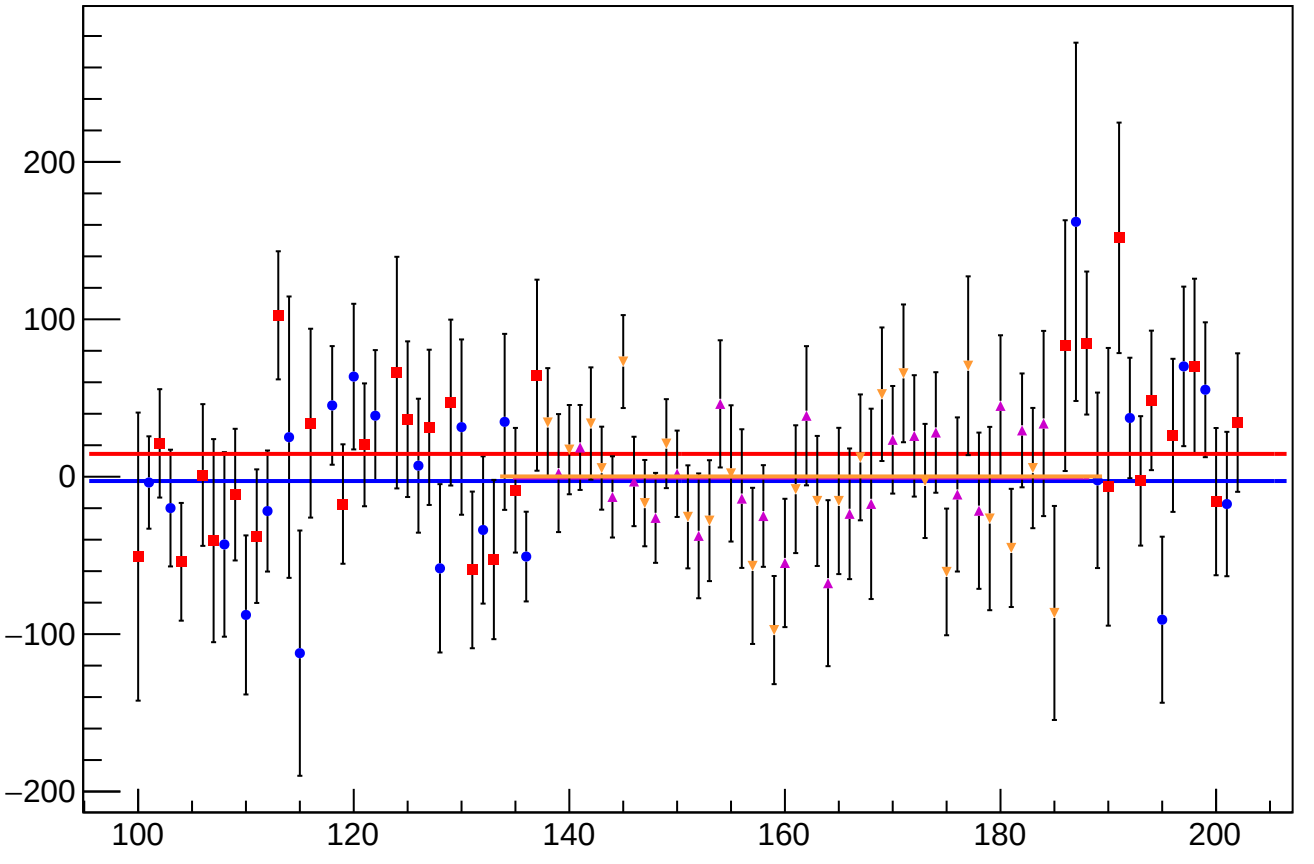
Right Out: 4943.974+/-1.016 χ^2/NDF: 3691444.7/28

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5443.725+/-0.741 χ^2/NDF: 7119702.6/47

All: 5171.677+/-0.501 χ^2/NDF: 16995141.1/9

- sign 4942.881+/-0.680 χ^2/NDF: 9627555.1/51



Right In: -2.743+/-9.380 χ^2/NDF: 25.7/22

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

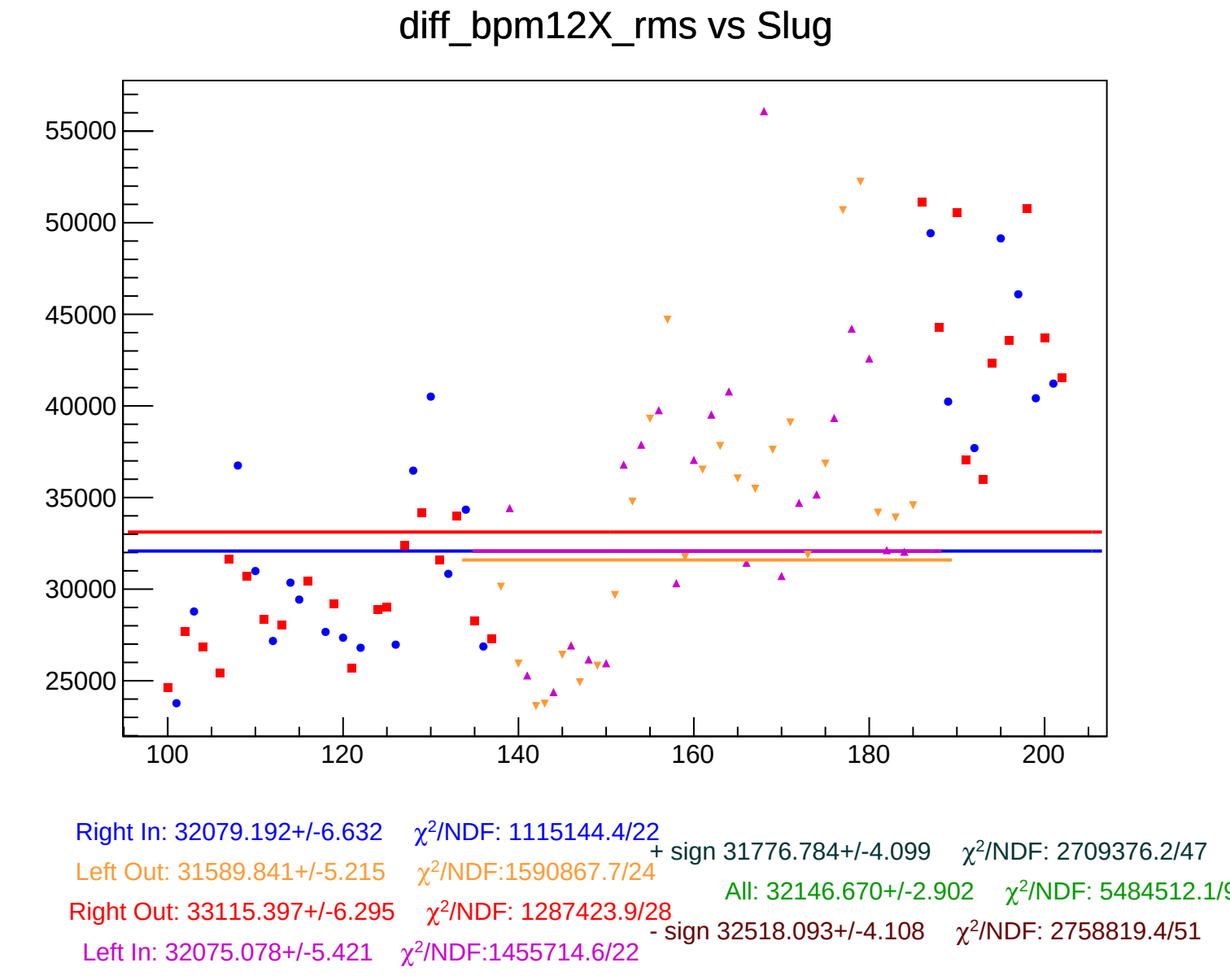
Right Out: 14.502+/-8.902 χ^2/NDF: 27.5/28

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

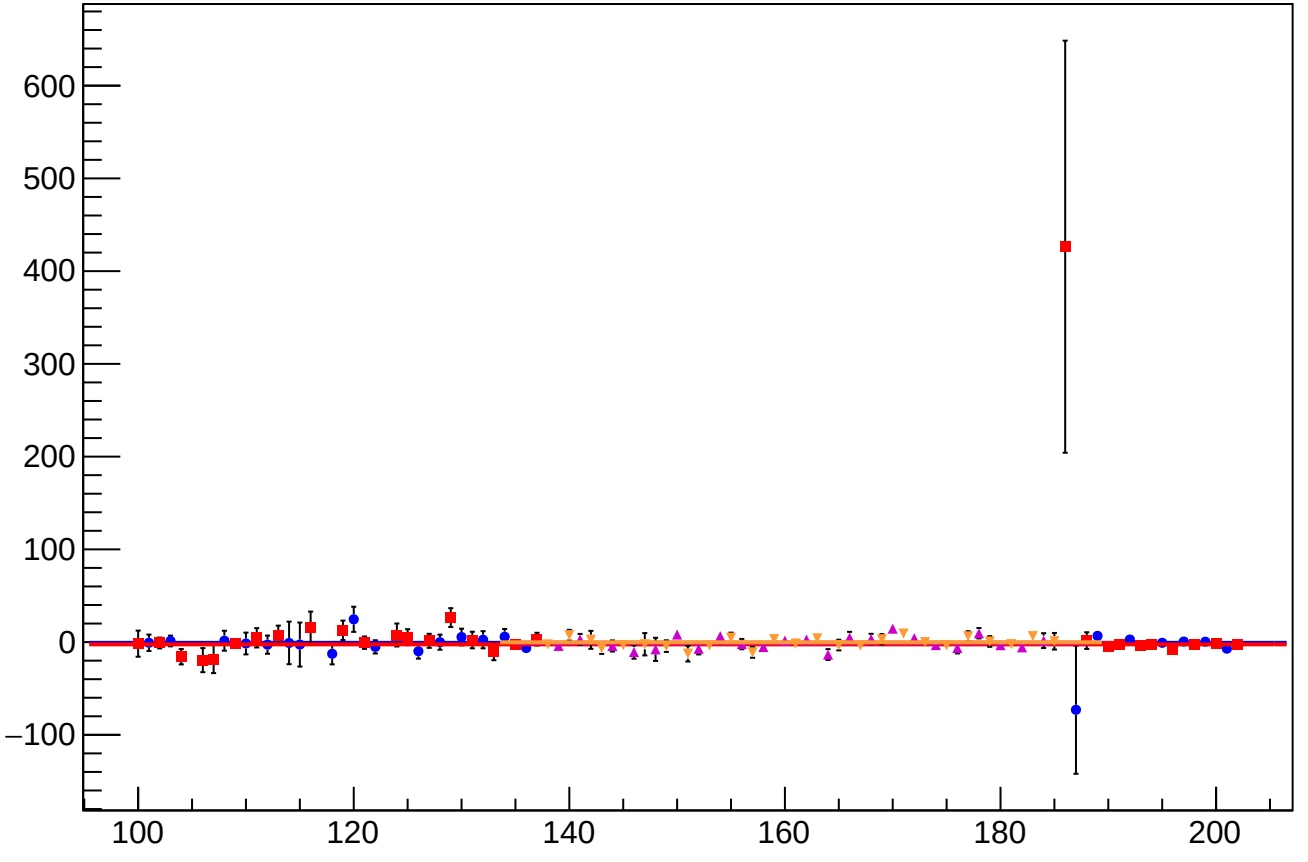
+ sign -0.944+/-5.797 χ^2/NDF: 56.9/47

All: 2.440+/-4.104 χ^2/NDF: 99.5/99

- sign 5.839+/-5.809 χ^2/NDF: 41.9/51


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32079.192+/-6.632 χ²/NDF: 1115144.4/22
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33115.397+/-6.295 χ²/NDF: 1287423.9/28
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31776.784+/-4.099 χ²/NDF: 2709376.2/47
All: 32146.670+/-2.902 χ²/NDF: 5484512.1/9
- sign 32518.093+/-4.108 χ²/NDF: 2758819.4/51

diff_bpm12Y_mean vs Slug



Right In: -0.812+/-1.129 χ^2/NDF: 19.0/22

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -2.449+/-1.029 χ^2/NDF: 28.9/28

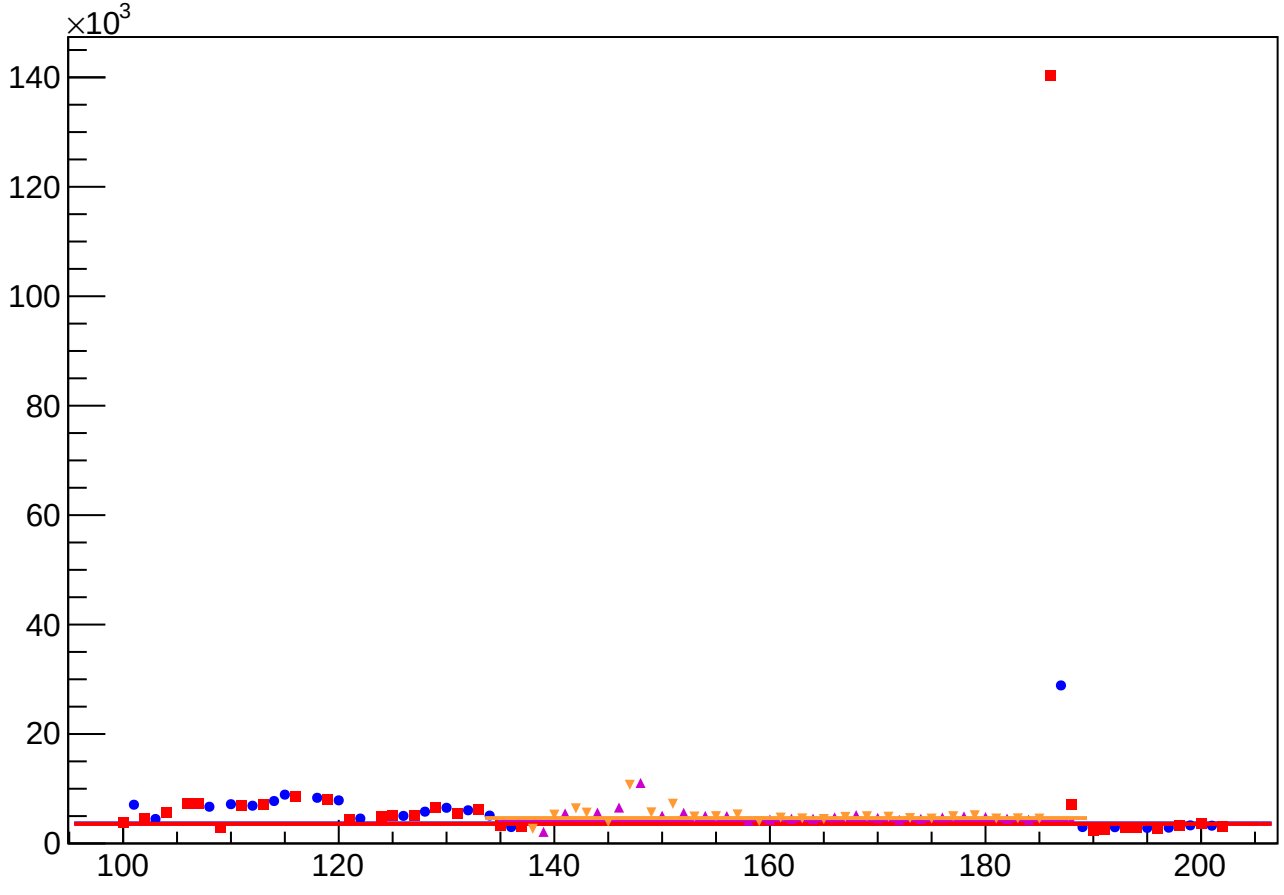
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.509+/-0.786 χ^2/NDF: 39.0/47

All: -1.111+/-0.538 χ^2/NDF: 104.0/99

- sign -1.644+/-0.739 χ^2/NDF: 63.9/51

diff_bpm12Y_rms vs Slug



Right In: 3661.408+/-0.798 χ^2/NDF: 3014337.0/22

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3568.604+/-0.728 χ^2/NDF: 3764749.6/28

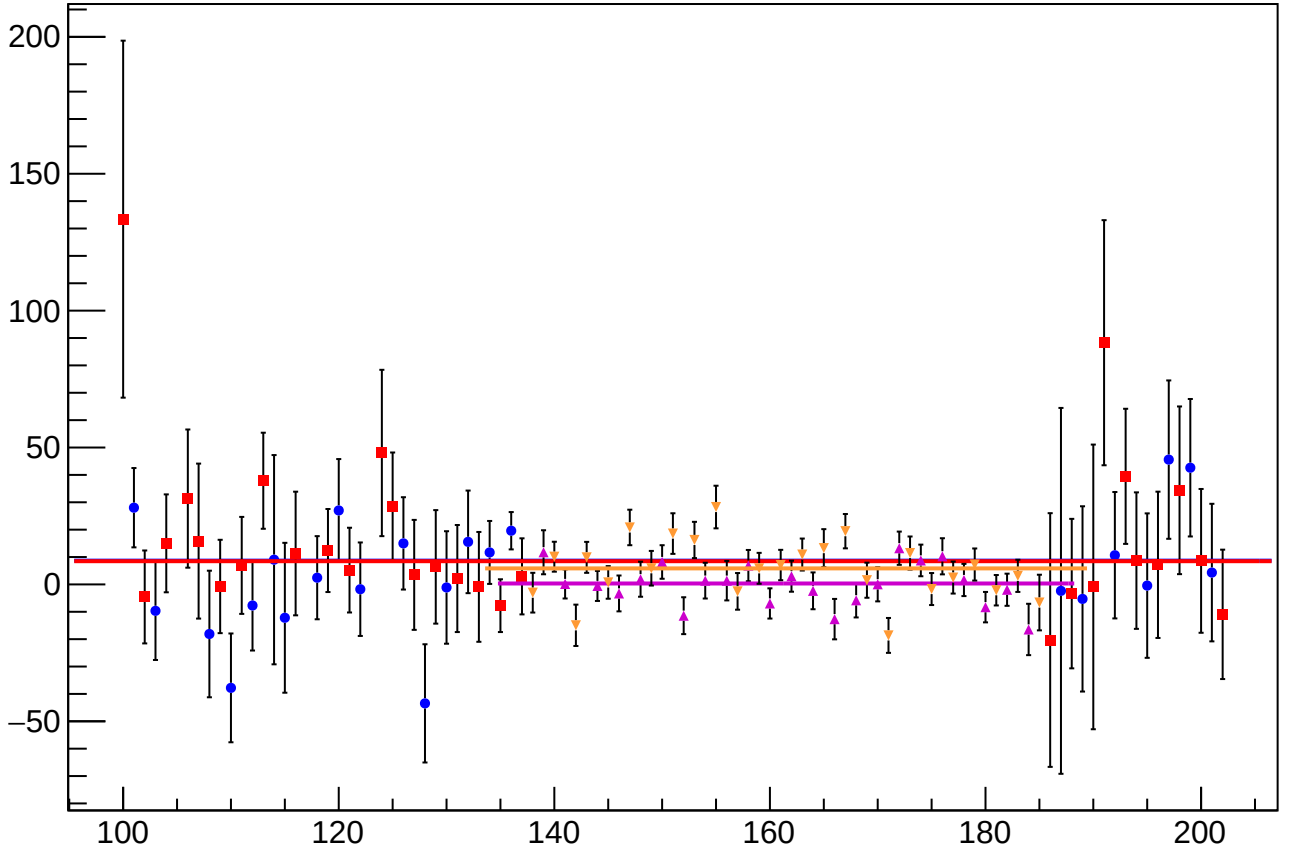
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4164.779+/-0.556 χ^2/NDF: 5548364.0/47

All: 4035.375+/-0.381 χ^2/NDF: 12994142.8/9

- sign 3920.973+/-0.522 χ^2/NDF: 7343542.8/51

diff_bpm16X_mean vs Slug



Right In: 8.677+/-3.596 χ^2/NDF: 25.5/22

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 8.481+/-3.749 χ^2/NDF: 21.4/28

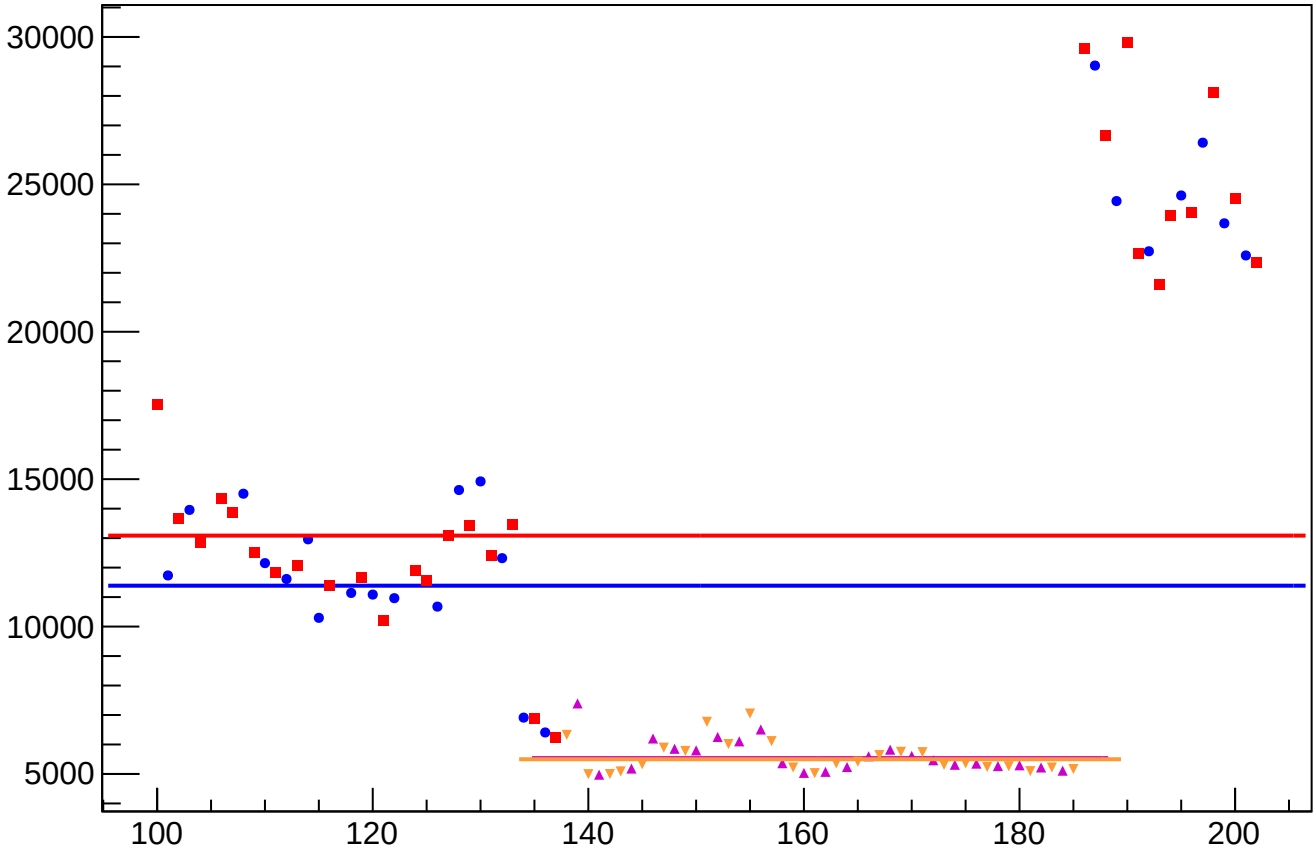
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.157+/-1.187 χ^2/NDF: 86.1/47

All: 3.770+/-0.854 χ^2/NDF: 149.4/99

- sign 1.212+/-1.229 χ^2/NDF: 54.9/51

diff_bpm16X_rms vs Slug



Right In: 11386.352+/-2.543 χ^2/NDF: 4412552.6/22

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13085.334+/-2.651 χ^2/NDF: 4636260.3/28

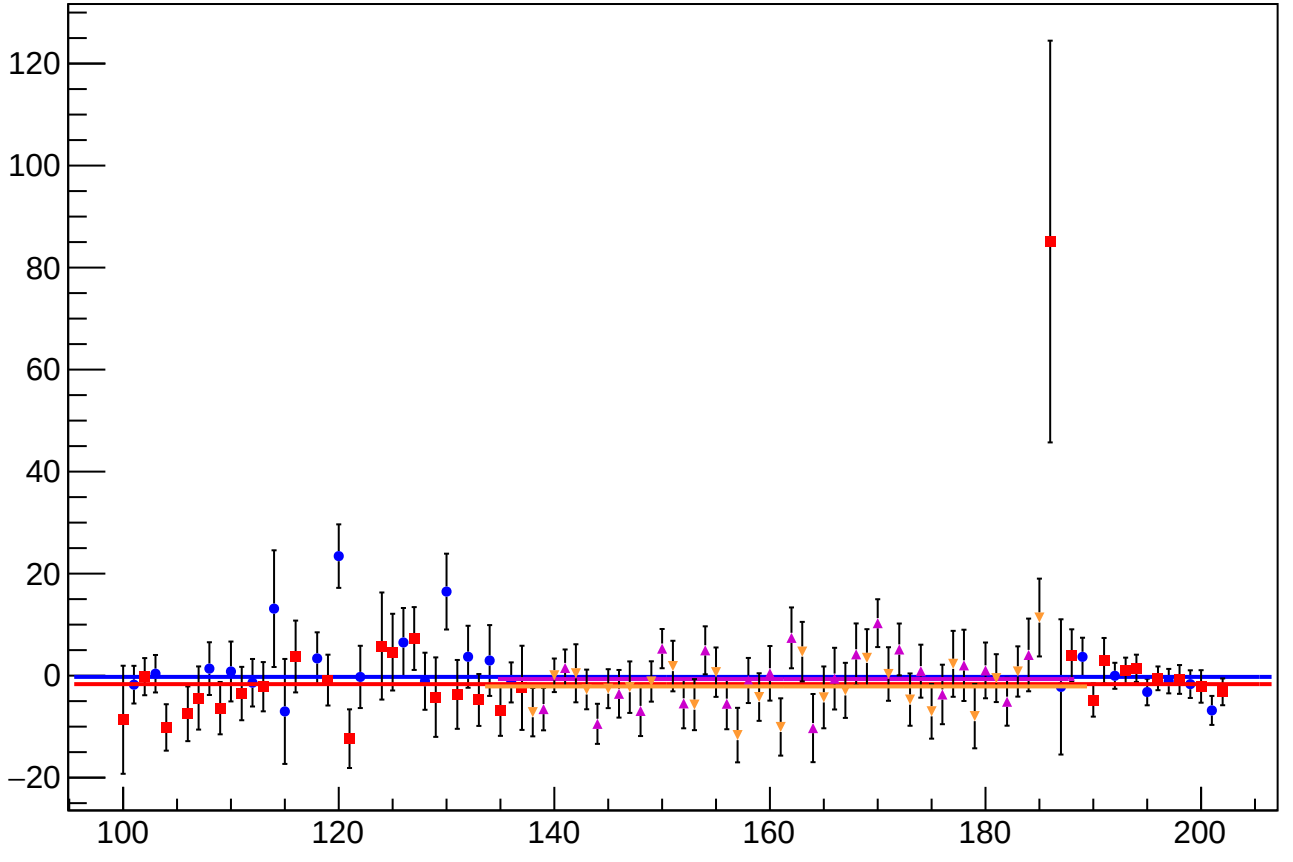
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6140.463+/-0.839 χ^2/NDF: 9485676.1/47

All: 6240.984+/-0.604 χ^2/NDF: 21690538.3/9

- sign 6348.740+/-0.869 χ^2/NDF: 12175141.1/51

diff_bpm16Y_mean vs Slug



Right In: -0.248+/-0.856 χ^2/NDF: 32.1/22

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

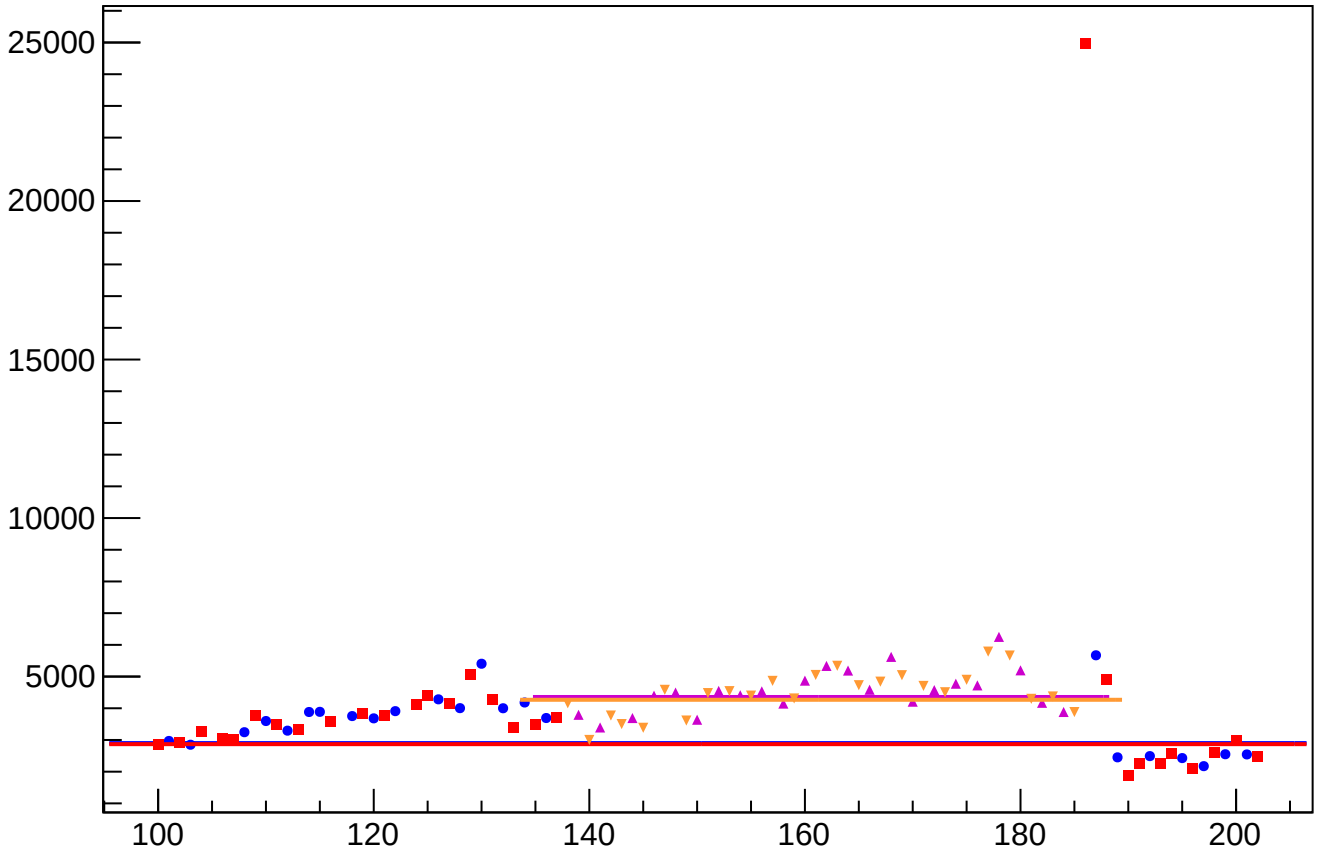
Right Out: -1.667+/-0.787 χ^2/NDF: 26.7/28

Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.050+/-0.647 χ^2/NDF: 51.6/47

All: -1.179+/-0.450 χ^2/NDF: 107.3/99

- sign -1.300+/-0.625 χ^2/NDF: 55.6/51



Right In: 2901.130+/-0.605 χ^2/NDF: 1312316.7/22

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2867.904+/-0.556 χ^2/NDF: 2407163.5/28

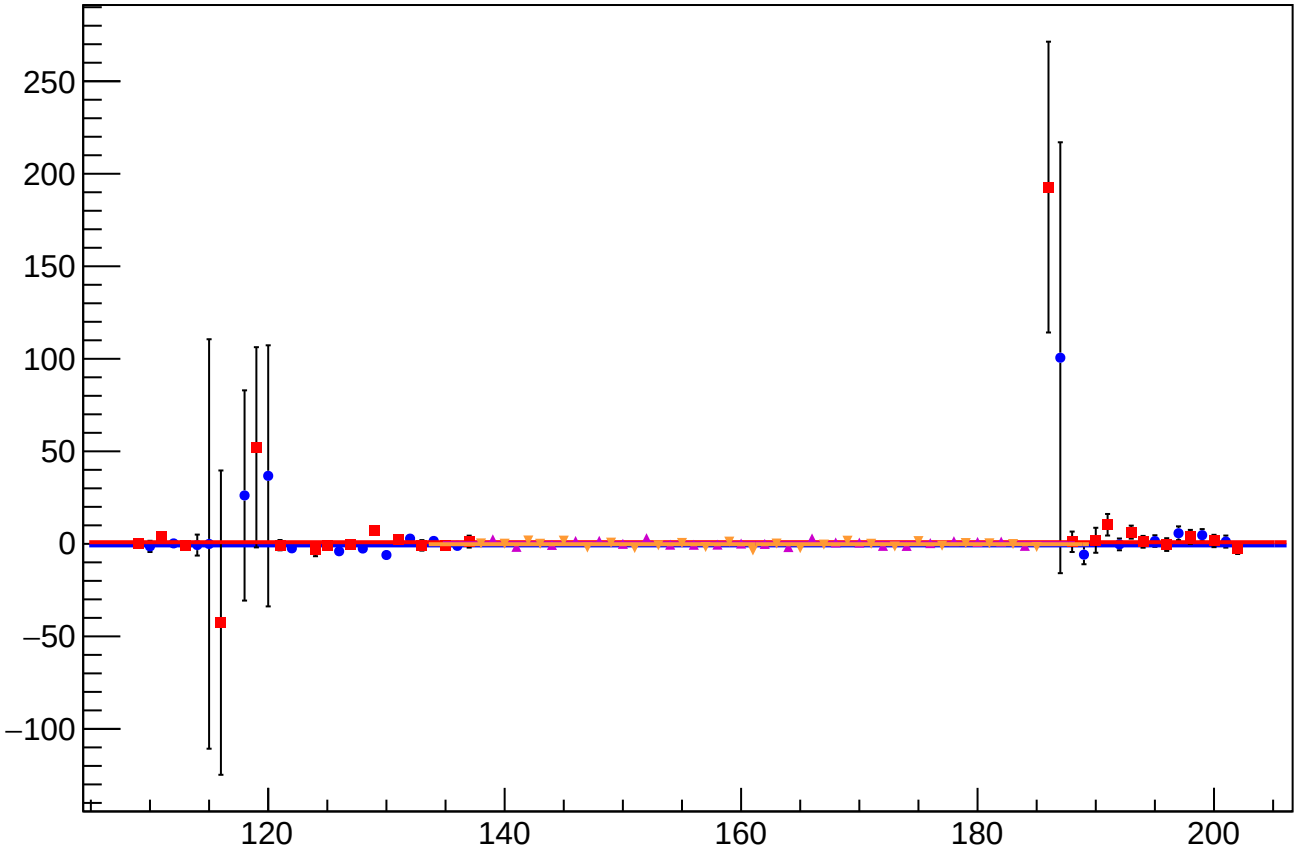
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3487.549+/-0.457 χ^2/NDF: 4534275.0/47

All: 3450.316+/-0.318 χ^2/NDF: 10330617.0/9

- sign 3415.504+/-0.442 χ^2/NDF: 5783516.5/51

diff_bpm1p02bX_mean vs Slug



Right In: -0.837+/-0.651 χ^2/NDF: 20.6/19

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.888+/-0.625 χ^2/NDF: 25.8/23

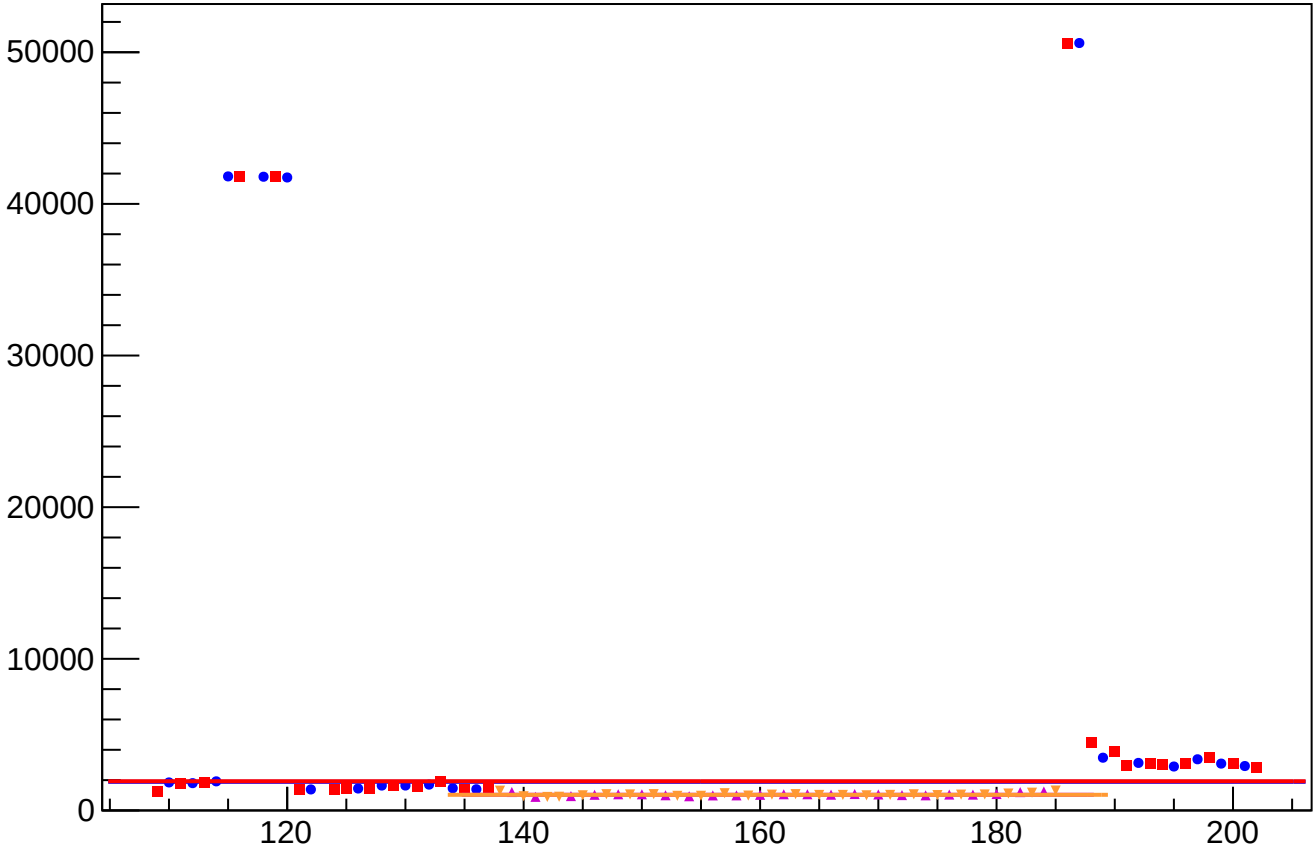
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.275+/-0.221 χ^2/NDF: 55.4/44

All: 0.059+/-0.158 χ^2/NDF: 116.0/91

- sign 0.406+/-0.226 χ^2/NDF: 56.0/46

diff_bpm1p02bX_rms vs Slug



Right In: 1889.313+/-0.460 χ^2/NDF: 4252911.4/19

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1926.614+/-0.442 χ^2/NDF: 5263707.8/23

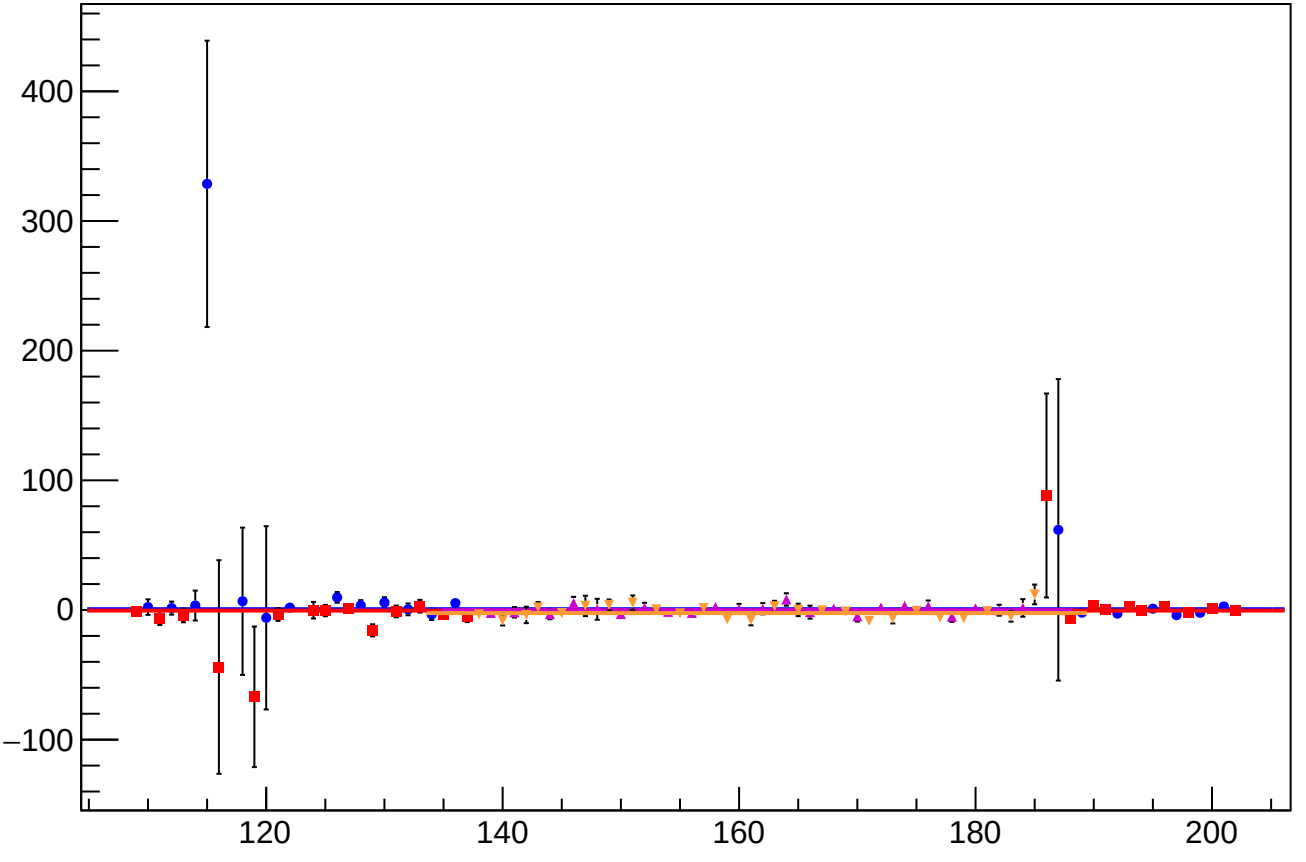
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1130.757+/-0.157 χ^2/NDF: 7568360.1/44

All: 1139.936+/-0.112 χ^2/NDF: 16585951.2/9

- sign 1149.478+/-0.160 χ^2/NDF: 9010583.7/46

diff_bpm1p02bY_mean vs Slug



Right In: 0.603+/-0.734 χ^2/NDF: 32.3/19

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -0.464+/-0.685 χ^2/NDF: 27.5/23

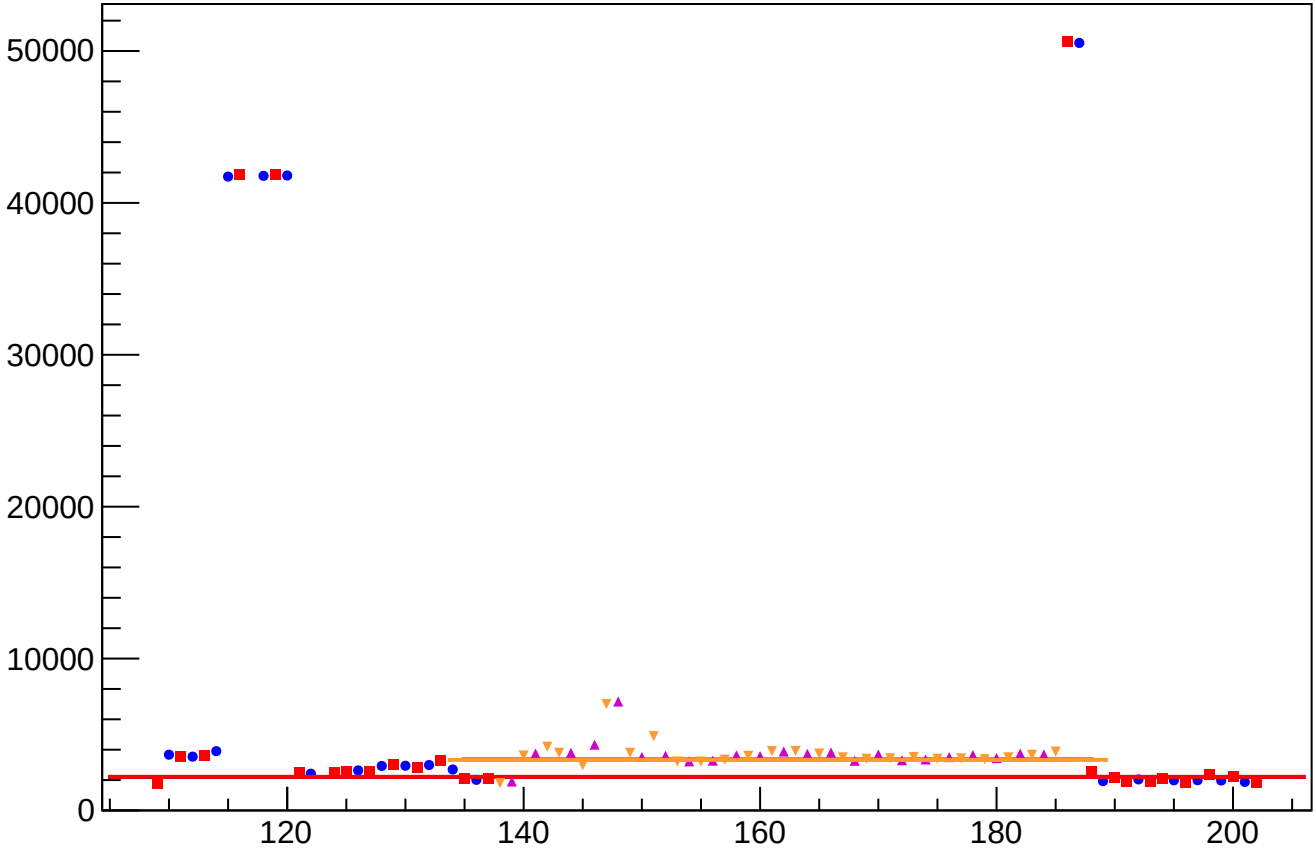
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

\+ sign -0.795+/-0.535 χ^2/NDF: 64.4/44

All: -0.563+/-0.374 χ^2/NDF: 104.9/91

\- sign -0.342+/-0.523 χ^2/NDF: 40.2/46

diff_bpm1p02bY_rms vs Slug



Right In: 2203.898+/-0.519 χ^2/NDF: 2902440.1/19

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2212.387+/-0.484 χ^2/NDF: 3048989.4/23

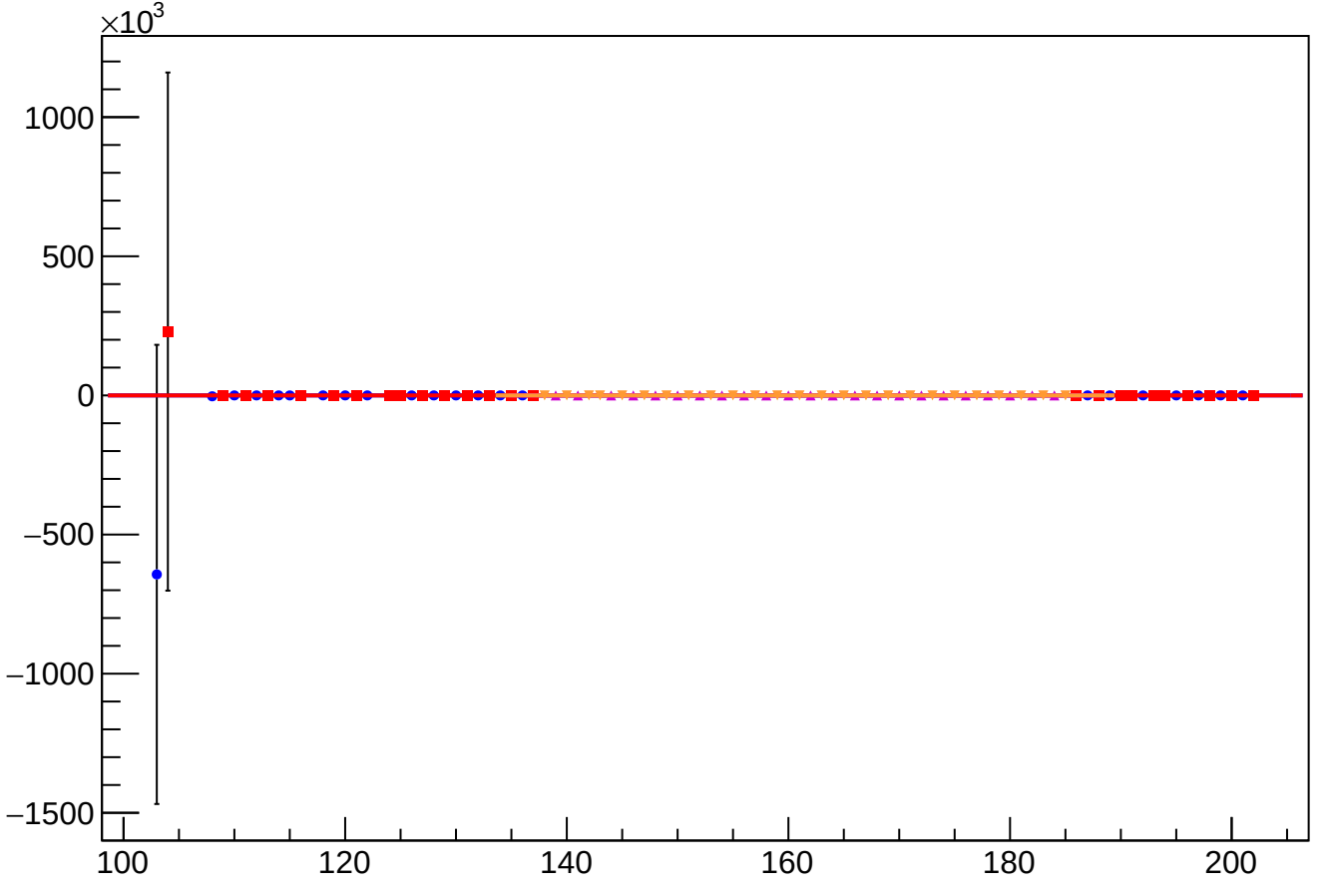
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2730.667+/-0.379 χ^2/NDF: 7014942.0/44

All: 2710.707+/-0.265 χ^2/NDF: 14063499.8/9

- sign 2691.654+/-0.370 χ^2/NDF: 7043123.2/46

diff_bpm1p03aX_mean vs Slug



Right In: -1.299+/-0.712 χ^2/NDF: 22.8/21

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

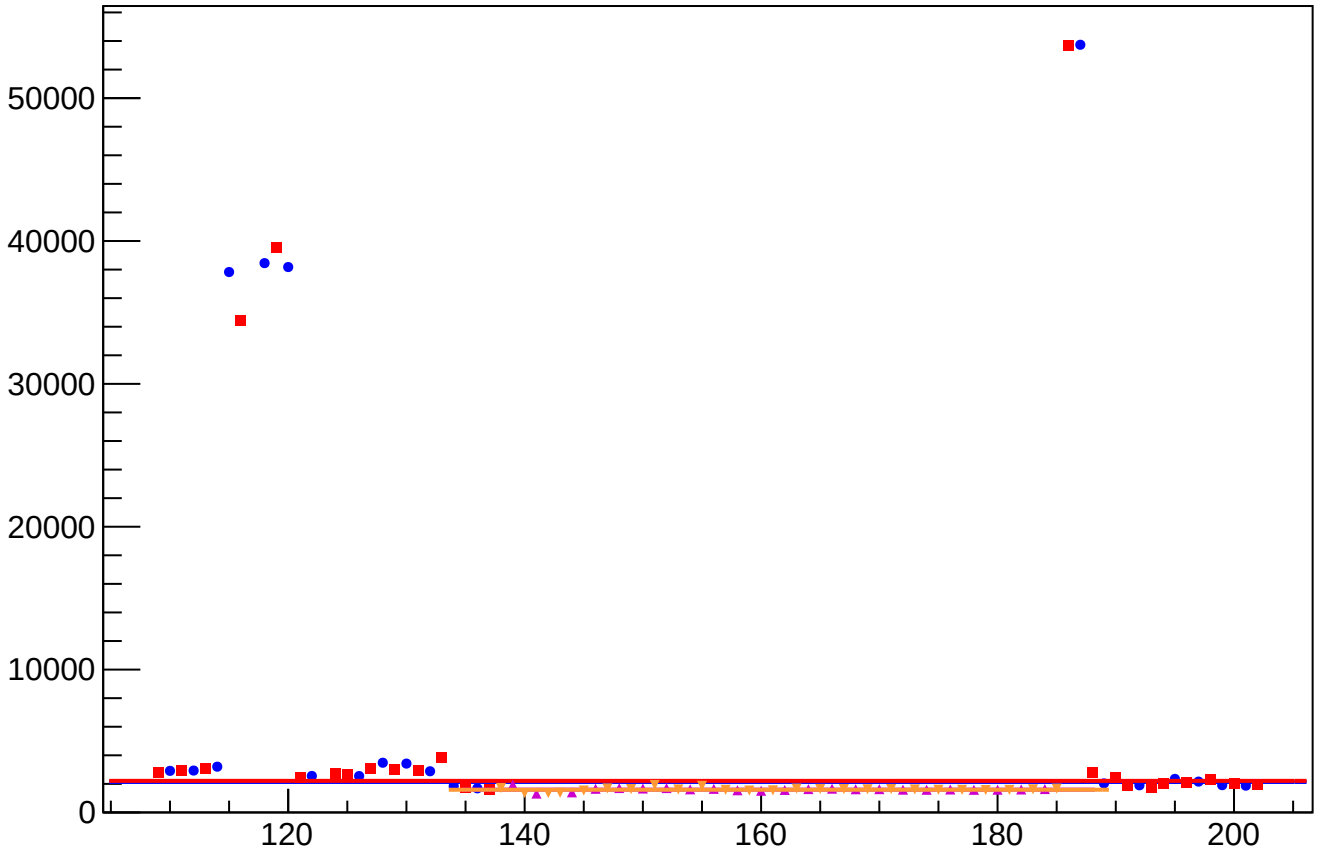
Right Out: -1.837+/-0.679 χ^2/NDF: 23.3/24

Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.516+/-0.323 χ^2/NDF: 73.3/46

All: -0.973+/-0.230 χ^2/NDF: 135.4/94

- sign -0.415+/-0.328 χ^2/NDF: 56.4/47



Right In: 2134.928+/-0.504 χ^2/NDF: 2965140.5/19

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2211.537+/-0.480 χ^2/NDF: 3214378.4/23

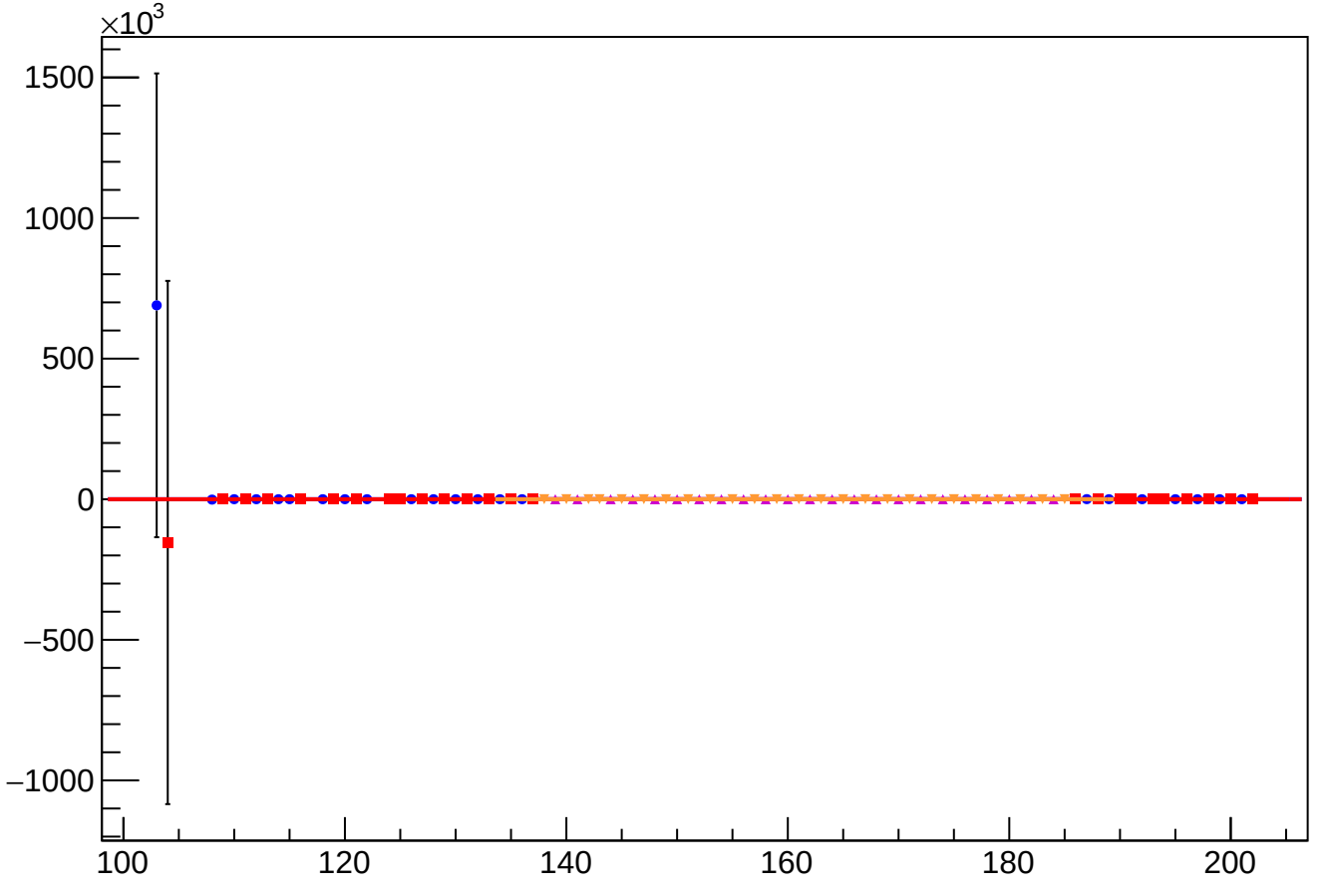
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1701.929+/-0.229 χ^2/NDF: 4129021.0/44

All: 1720.566+/-0.163 χ^2/NDF: 8813742.6/91

- sign 1739.730+/-0.232 χ^2/NDF: 4671244.7/46

diff_bpm1p03aY_mean vs Slug



Right In: 0.609+/-0.618 χ^2/NDF: 14.7/21

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.088+/-0.570 χ^2/NDF: 26.5/24

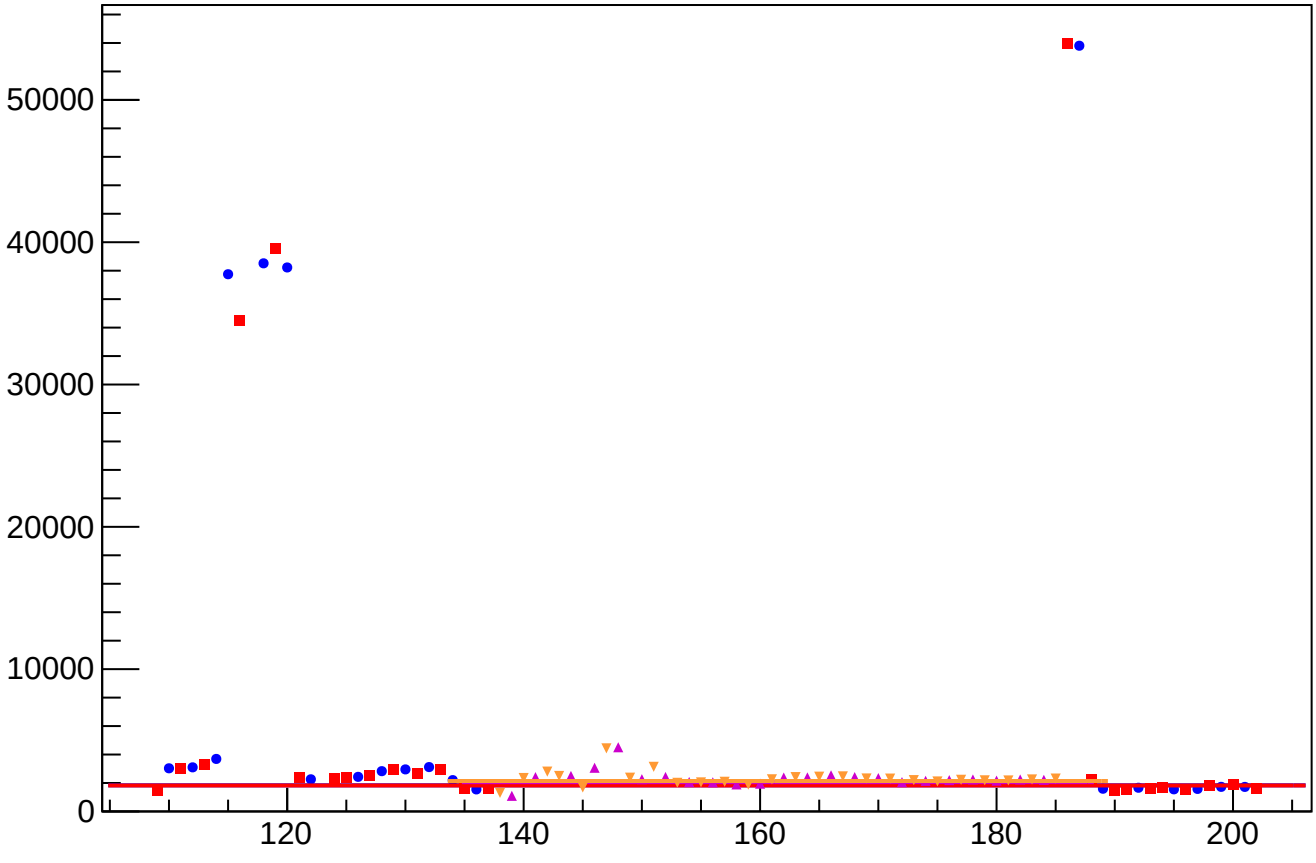
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.468+/-0.390 χ^2/NDF: 44.2/46

All: -0.170+/-0.271 χ^2/NDF: 88.7/94

- sign 0.109+/-0.377 χ^2/NDF: 43.3/47

diff_bpm1p03aY_rms vs Slug



Right In: 1836.317+/-0.437 χ^2/NDF: 3287410.8/19

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1826.010+/-0.403 χ^2/NDF: 3433527.0/23

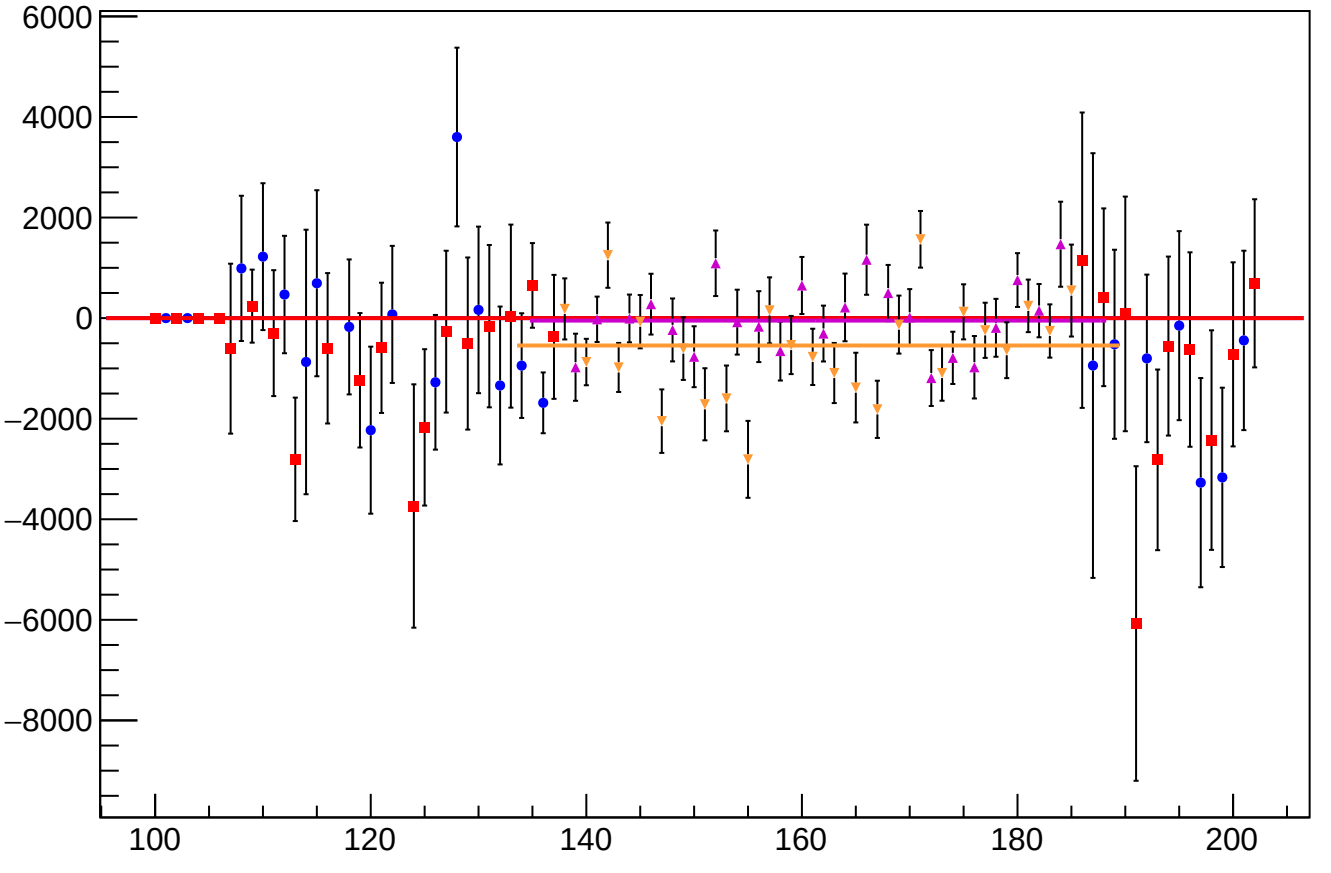
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2018.776+/-0.276 χ^2/NDF: 5056508.2/44

All: 1986.825+/-0.192 χ^2/NDF: 10996602.2/9

- sign 1957.037+/-0.266 χ^2/NDF: 5914149.8/46

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 23.8/22

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

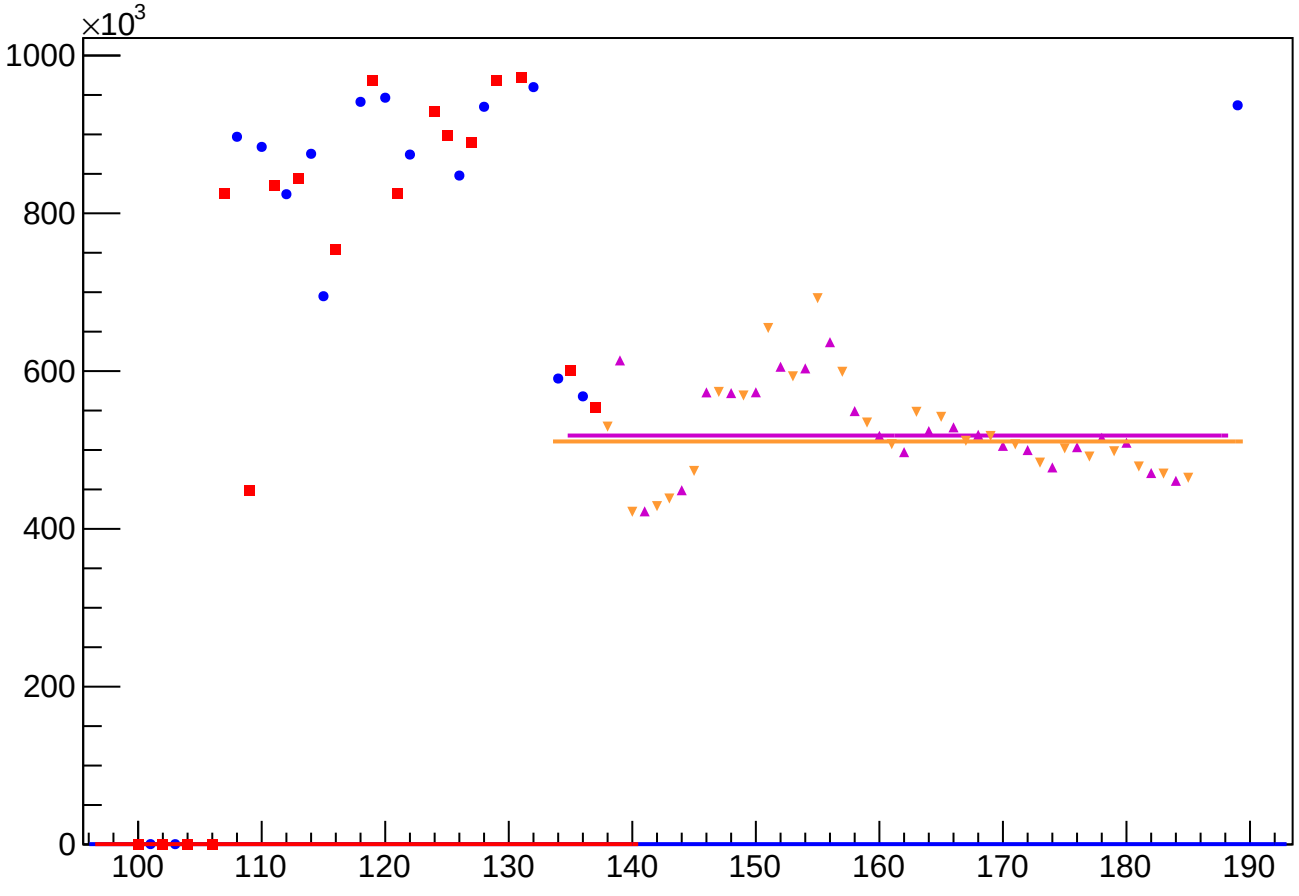
Right Out: 0.096+/-0.328 χ^2/NDF: 23.6/28

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 106.3/47

All: 0.166+/-0.241 χ^2/NDF: 158.1/99

- sign 0.095+/-0.328 χ^2/NDF: 51.7/51



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

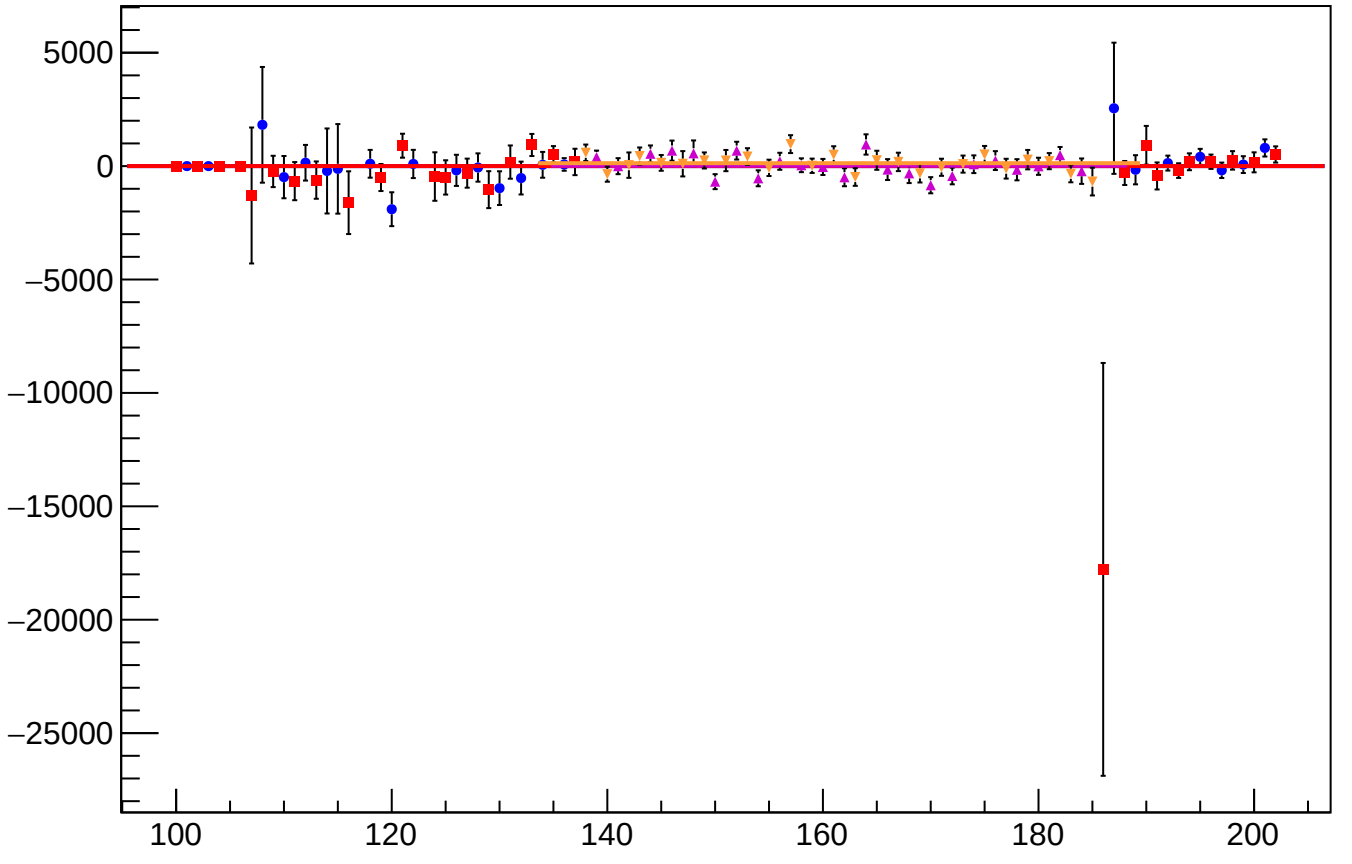
Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.021+/-0.170 χ^2/NDF: 91289762.7/81

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40



Right In: -0.019+/-0.347 χ^2/NDF: 17.6/22

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

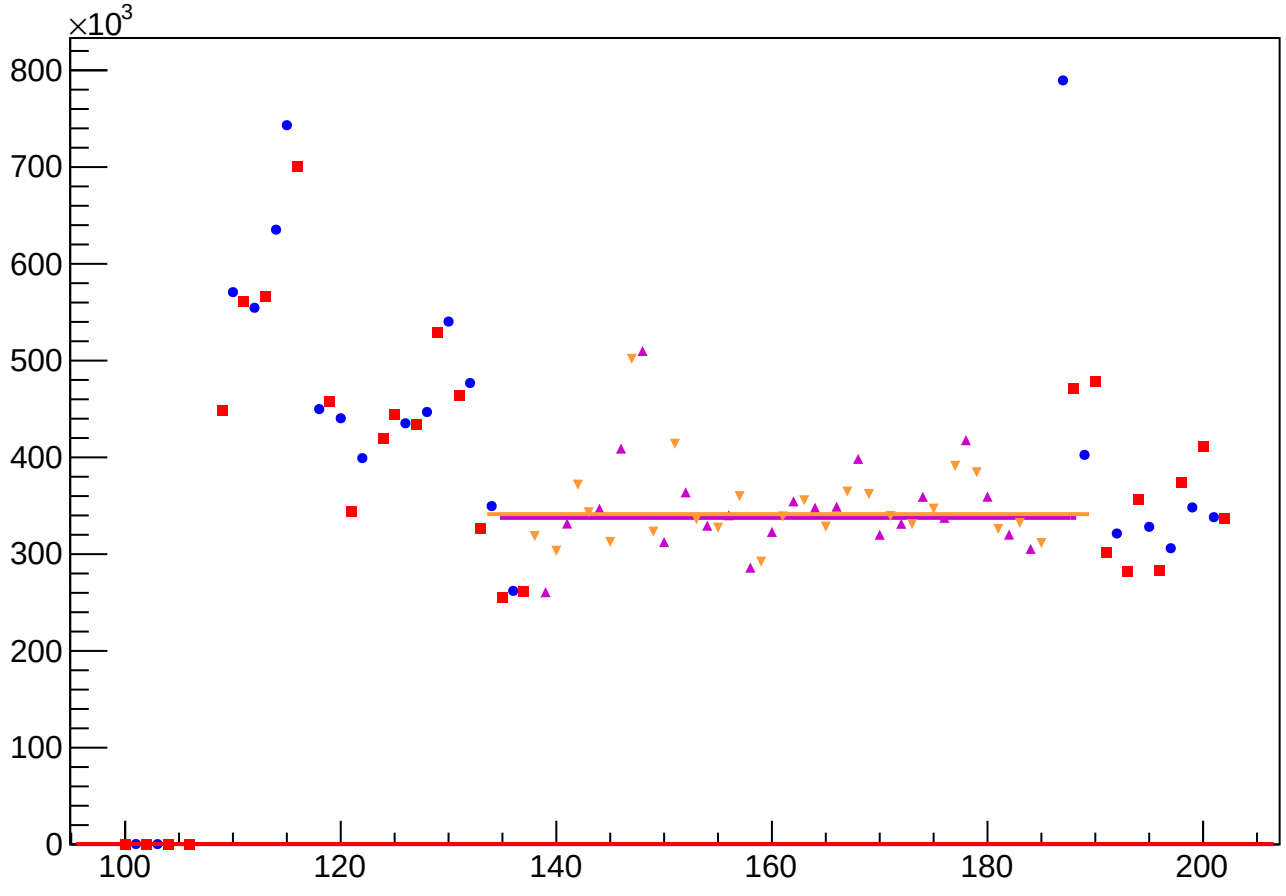
Right Out: 0.599+/-0.324 χ^2/NDF: 24.4/28

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.017+/-0.347 χ^2/NDF: 40.4/47

All: 0.313+/-0.237 χ^2/NDF: 100.3/99

- sign 0.600+/-0.324 χ^2/NDF: 58.2/51



Right In: 391.973+/-0.245 χ^2/NDF: 20522825.2/21

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 389.896+/-0.229 χ^2/NDF: 23887681.2/26

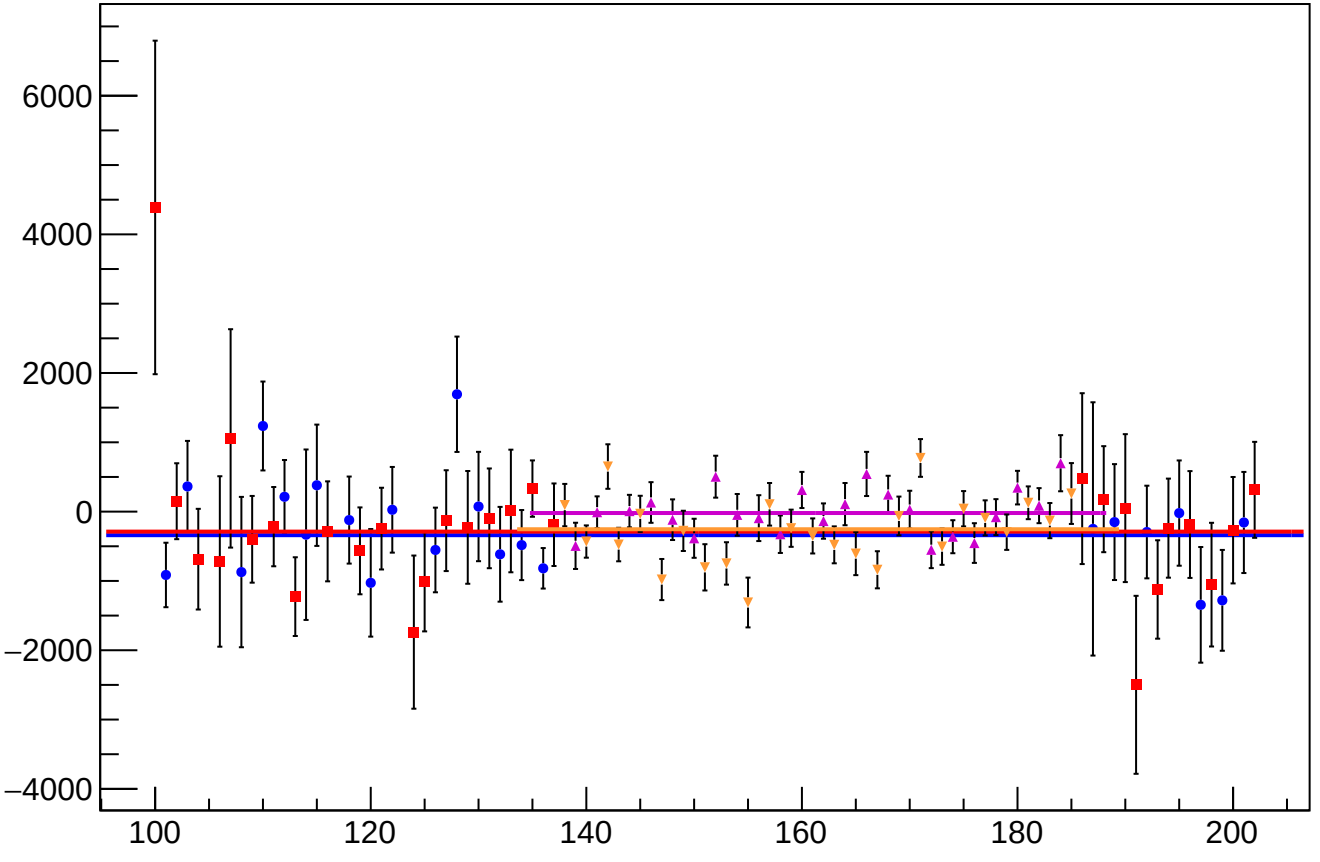
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 398.682+/-0.245 χ^2/NDF: 58893357.7/46

All: 396.954+/-0.167 χ^2/NDF: 119099920.4/9

- sign 395.450+/-0.229 χ^2/NDF: 60206470.0/49

diff_cav4cX_mean vs Slug



Right In: -340.029+/-132.503 χ^2/NDF: 24.7/22

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

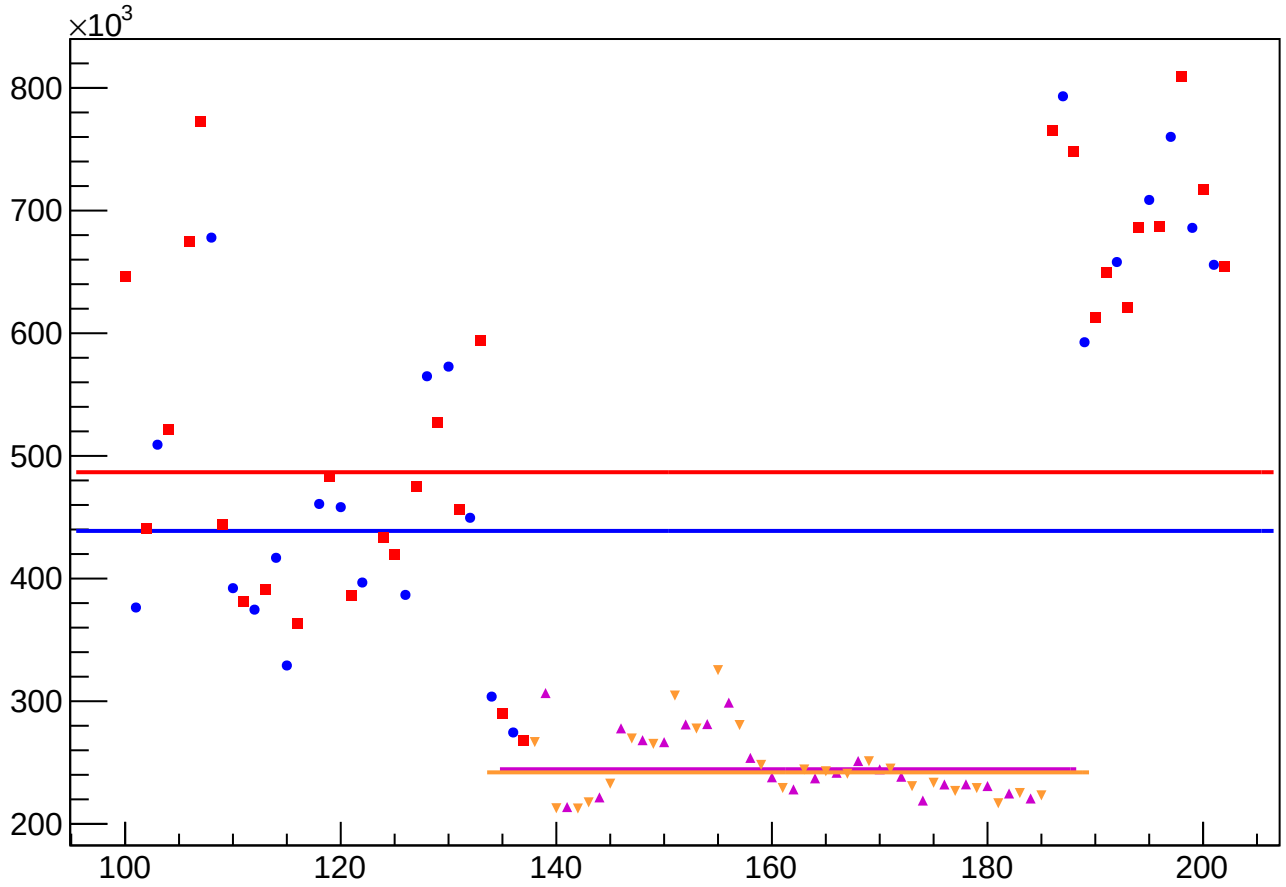
Right Out: -288.396+/-134.468 χ^2/NDF: 20.6/28

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -267.124+/-51.126 χ^2/NDF: 86.3/47

All: -167.791+/-36.748 χ^2/NDF: 146.7/99

- sign -61.619+/-52.857 χ^2/NDF: 52.6/51



Right In: 438850.507+/-93.715 χ^2/NDF: 2447553.3/22

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 486707.826+/-95.208 χ^2/NDF: 2486627.6/28

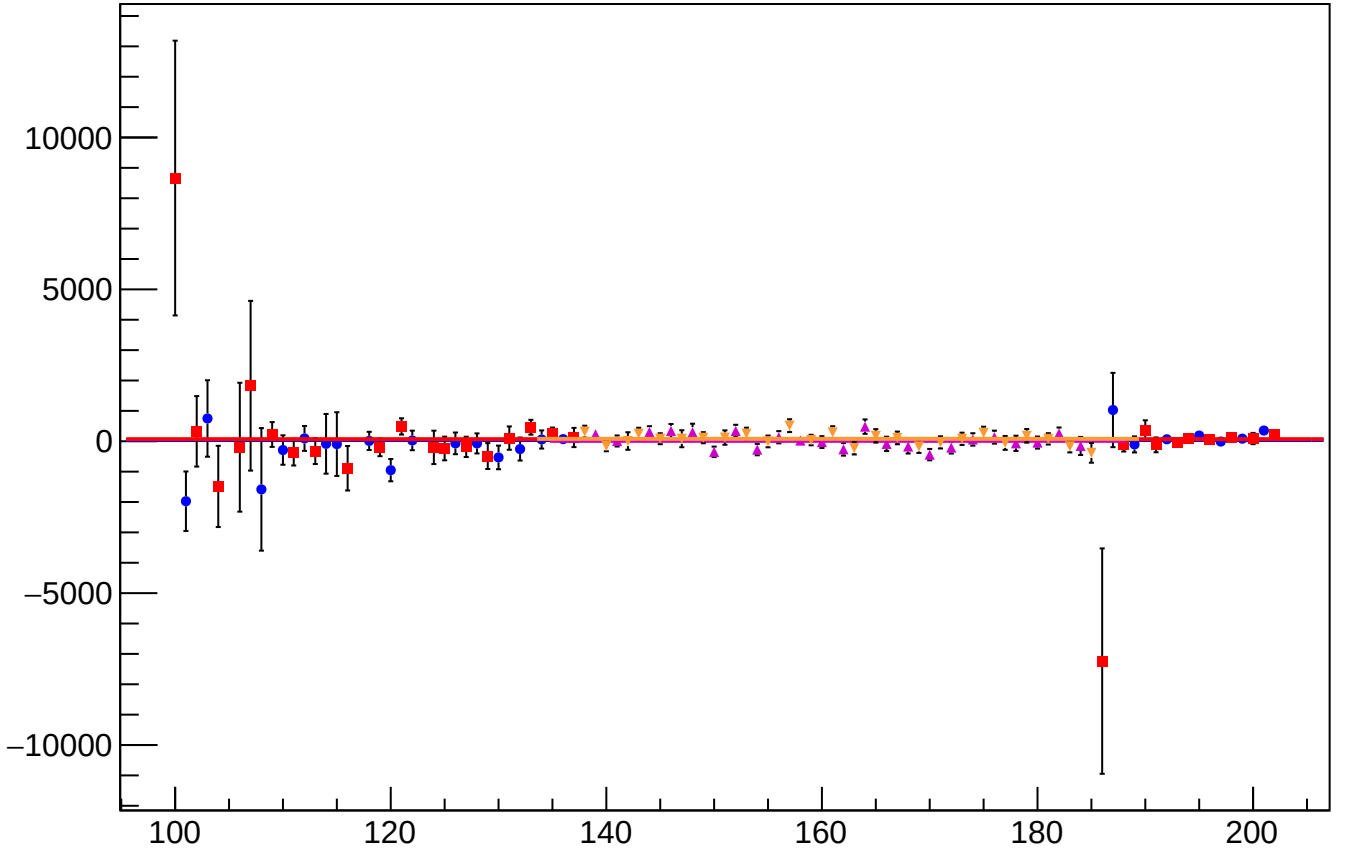
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 271303.275+/-36.153 χ^2/NDF: 6616051.0/47

All: 276413.254+/-25.988 χ^2/NDF: 1497768

- sign 281876.882+/-37.383 χ^2/NDF: 8320291.0/51

diff_cav4cY_mean vs Slug



Right In: 41.778+/-51.106 χ^2/NDF: 22.1/22

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 68.602+/-47.085 χ^2/NDF: 26.9/28

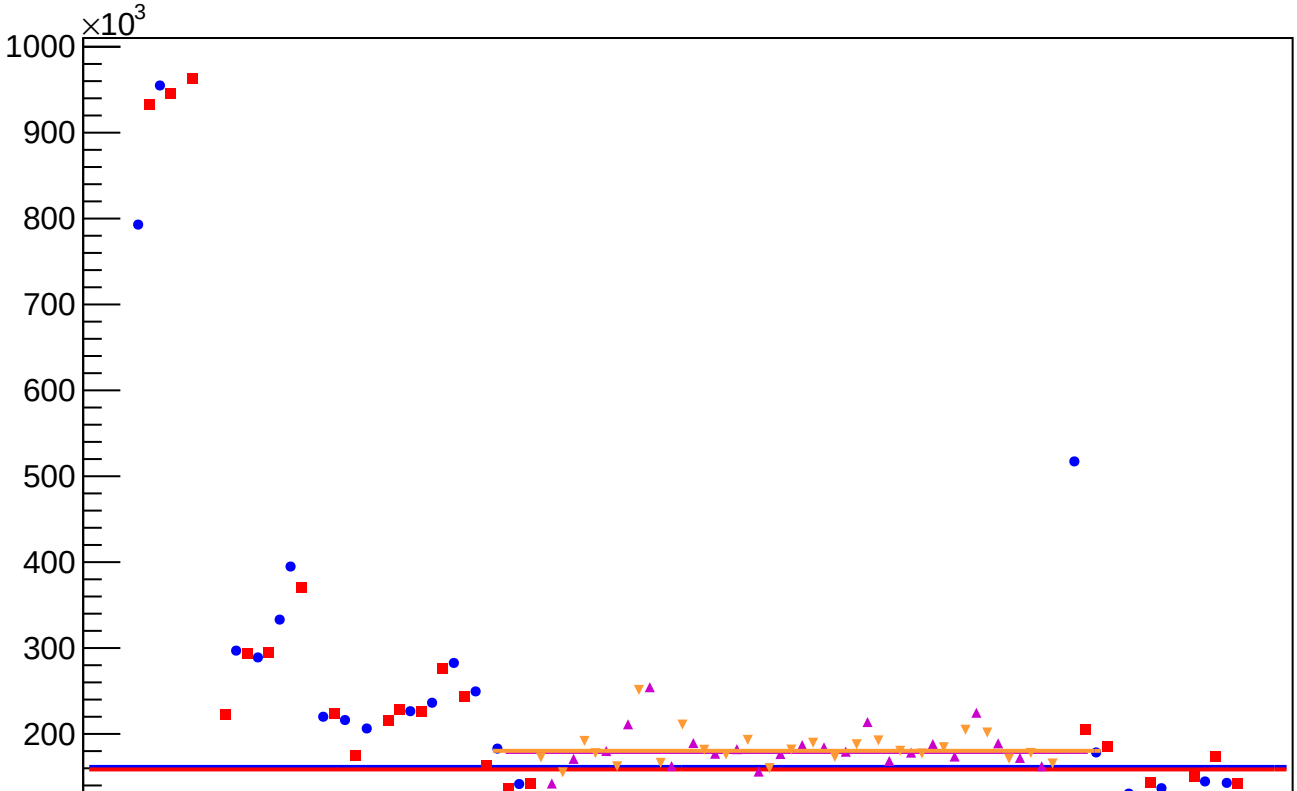
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 64.594+/-32.123 χ^2/NDF: 42.2/47

All: 51.196+/-22.469 χ^2/NDF: 103.3/99

- sign 38.362+/-31.439 χ^2/NDF: 60.8/51

diff_cav4cY_rms vs Slug



Right In: 161598.671+/-36.159 χ^2/NDF: 3145204.1/21

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 158677.845+/-33.321 χ^2/NDF: 3261256.9/25

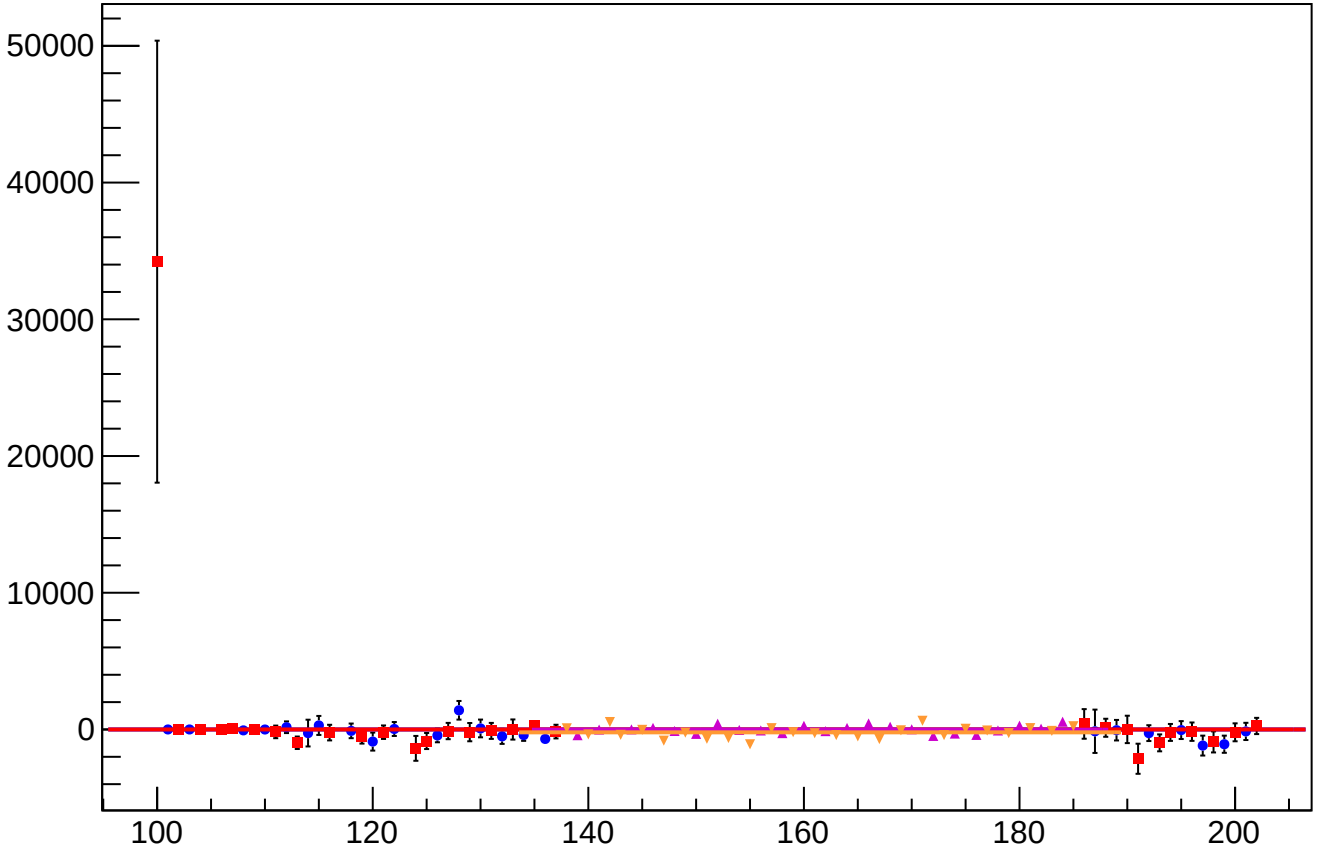
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 172942.845+/-22.719 χ^2/NDF: 3654436.7/46

All: 171420.034+/-15.892 χ^2/NDF: 7632663.

- sign 169960.960+/-22.239 χ^2/NDF: 3969429.3/48

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 24.0/22

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

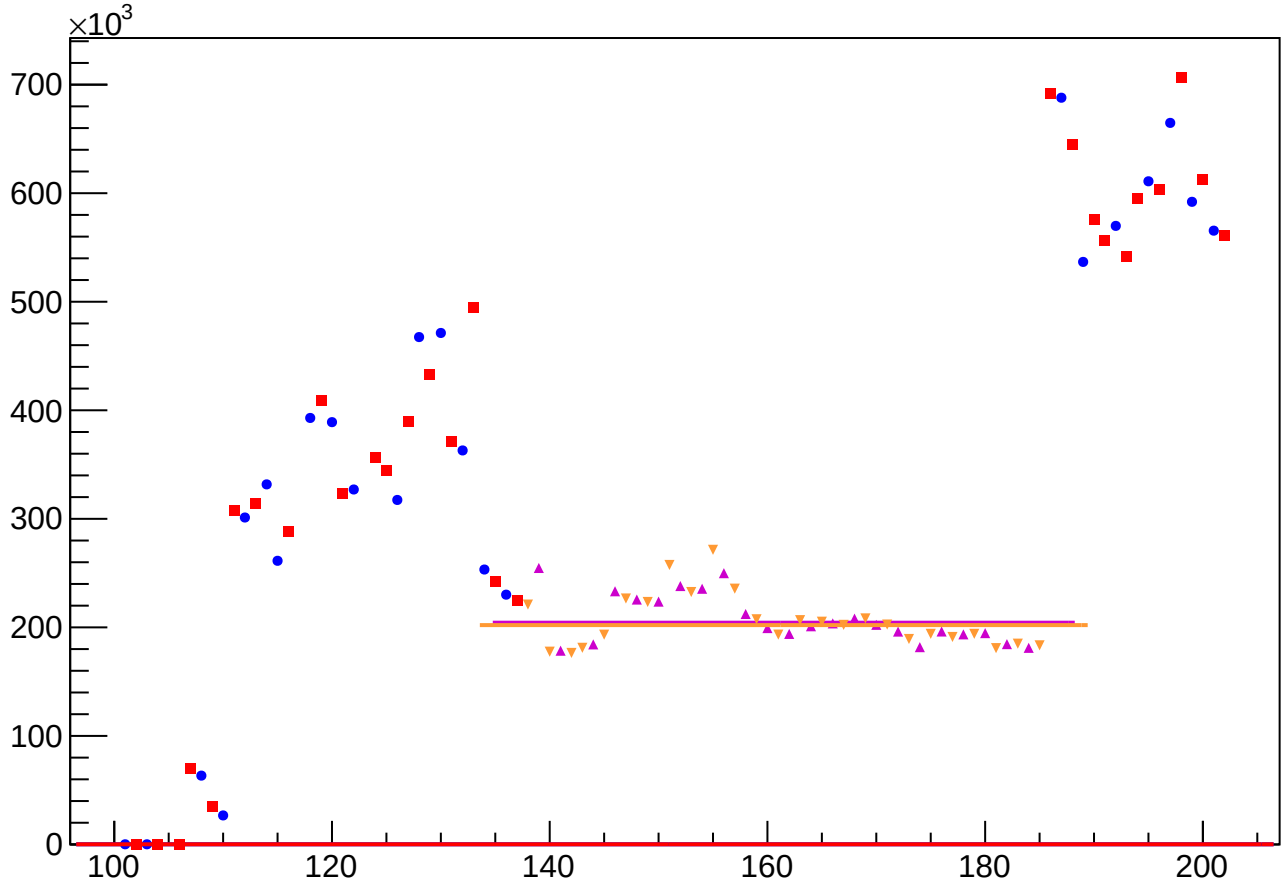
Right Out: -0.355+/-0.160 χ^2/NDF: 24.8/28

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 105.8/47

All: -0.208+/-0.117 χ^2/NDF: 161.2/99

- sign -0.355+/-0.160 χ^2/NDF: 53.6/51



Right In: 149.346+/-0.122 χ^2/NDF: 21440522.8/22

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.676+/-0.113 χ^2/NDF: 25382340.4/27

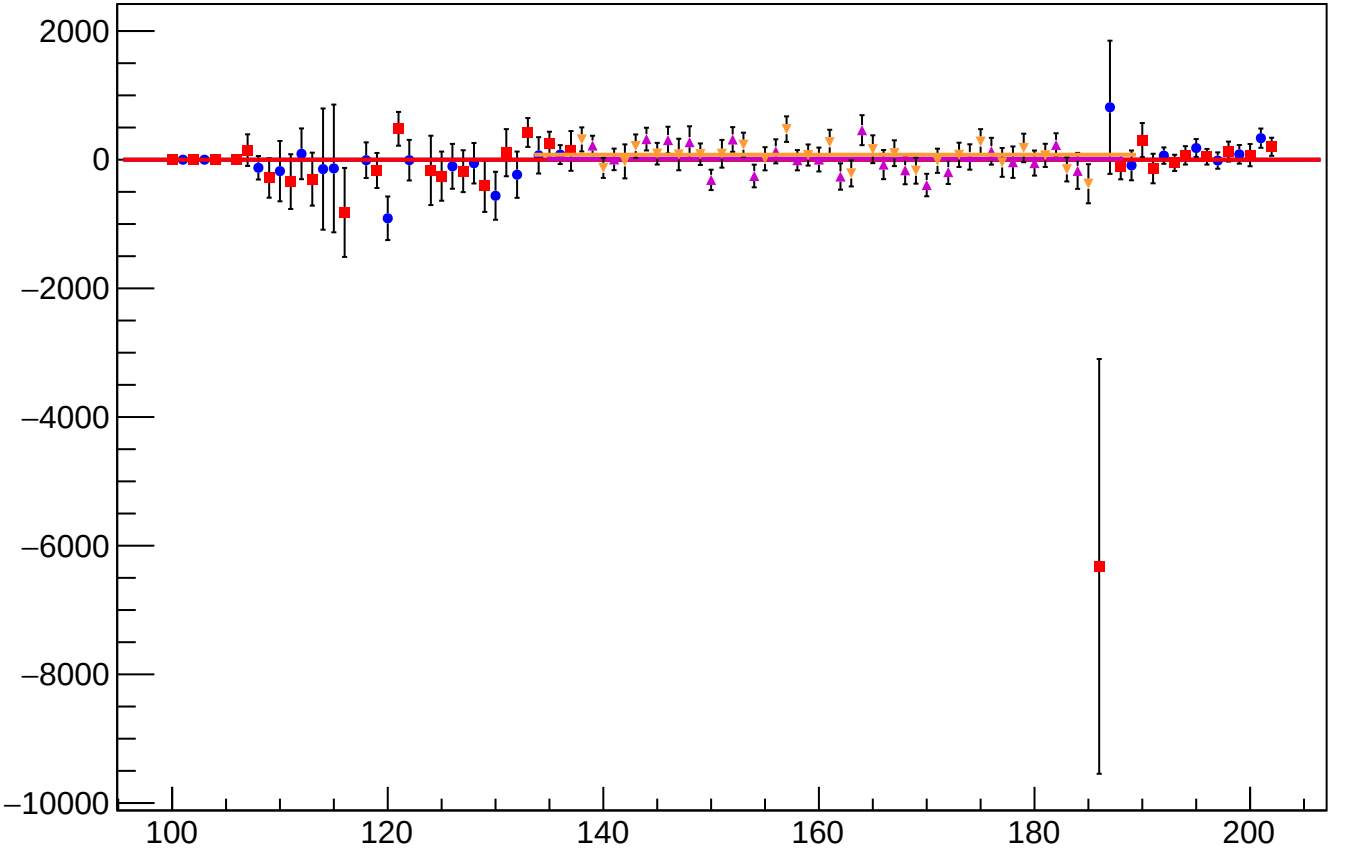
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.142+/-0.122 χ^2/NDF: 59936300.9/47

All: 152.036+/-0.083 χ^2/NDF: 121821319.0/9

- sign 151.945+/-0.113 χ^2/NDF: 61885016.6/50

diff_cav4dY_mean vs Slug



Right In: -0.067+/-0.177 χ^2/NDF: 19.2/22

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.127+/-0.166 χ^2/NDF: 24.5/28

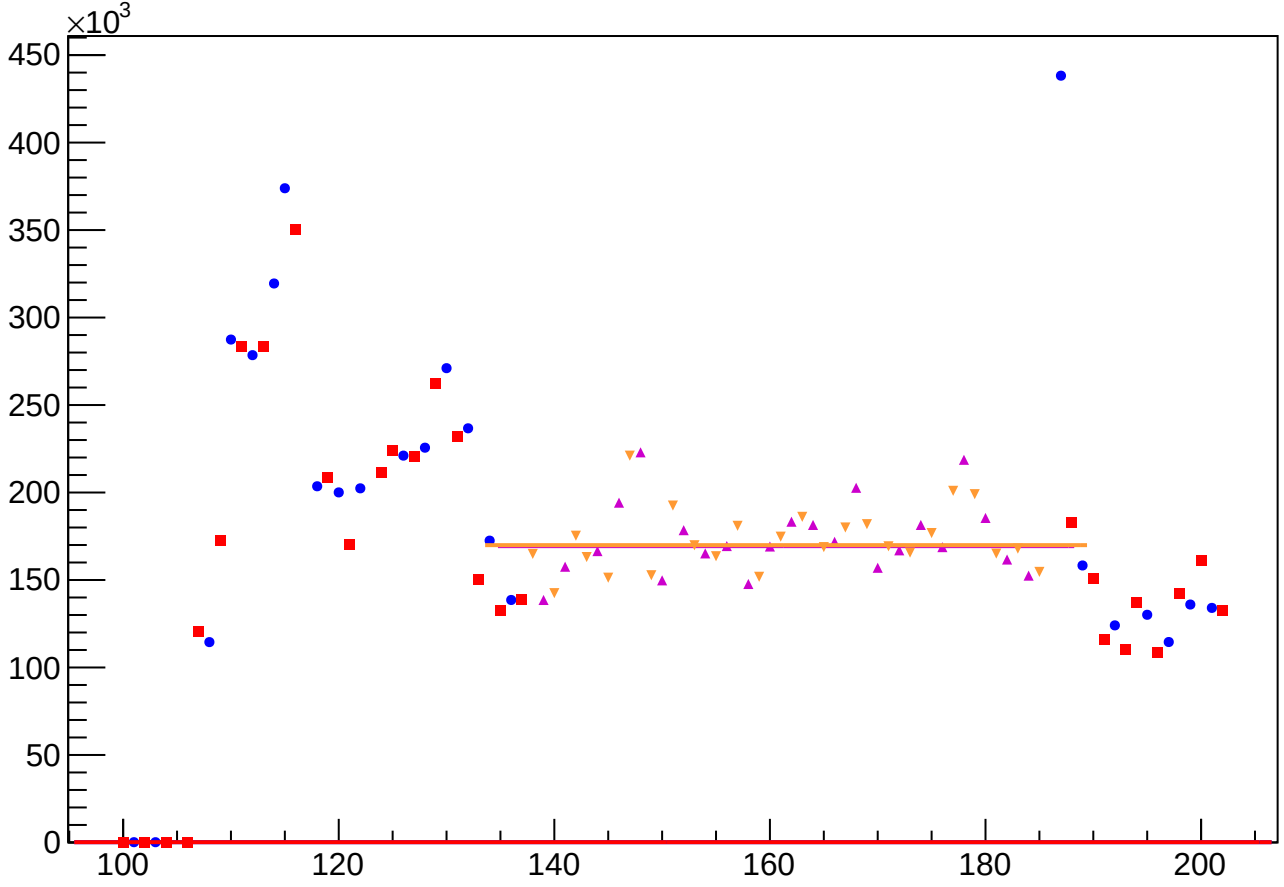
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.065+/-0.177 χ^2/NDF: 42.3/47

All: 0.037+/-0.121 χ^2/NDF: 100.2/99

- sign 0.127+/-0.166 χ^2/NDF: 57.2/51

diff_cav4dY_rms vs Slug



Right In: 154.628+/-0.125 χ^2/NDF: 21797948.9/22

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.491+/-0.118 χ^2/NDF: 24376063.1/27

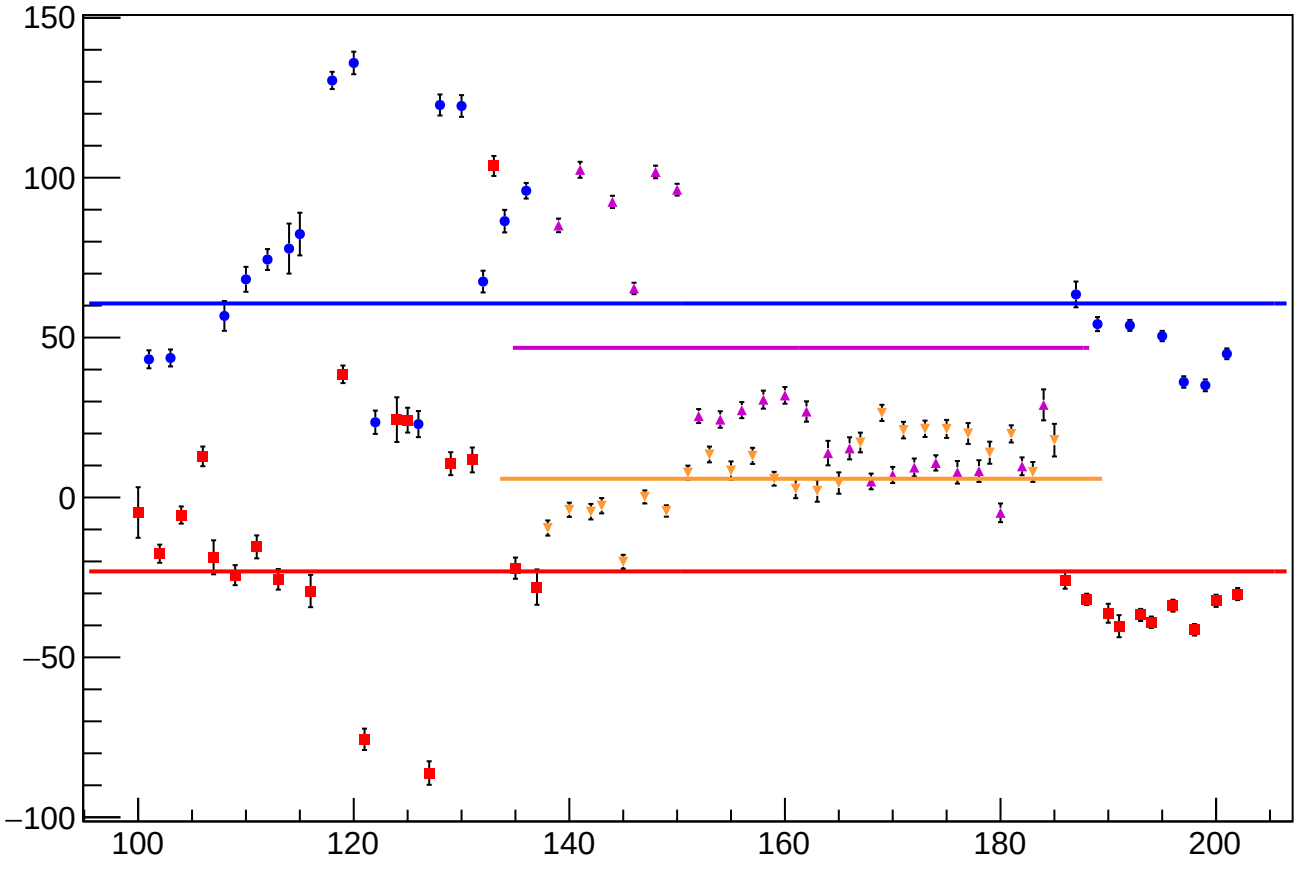
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 158.148+/-0.125 χ^2/NDF: 60209554.2/47

All: 159.361+/-0.086 χ^2/NDF: 120970241.9/9

- sign 160.432+/-0.118 χ^2/NDF: 60760511.3/50

diff_bpm0i01X_mean vs Slug



Right In: 60.673+/-0.549 χ^2/NDF: 2910.6/22

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -23.113+/-0.507 χ^2/NDF: 3626.7/28

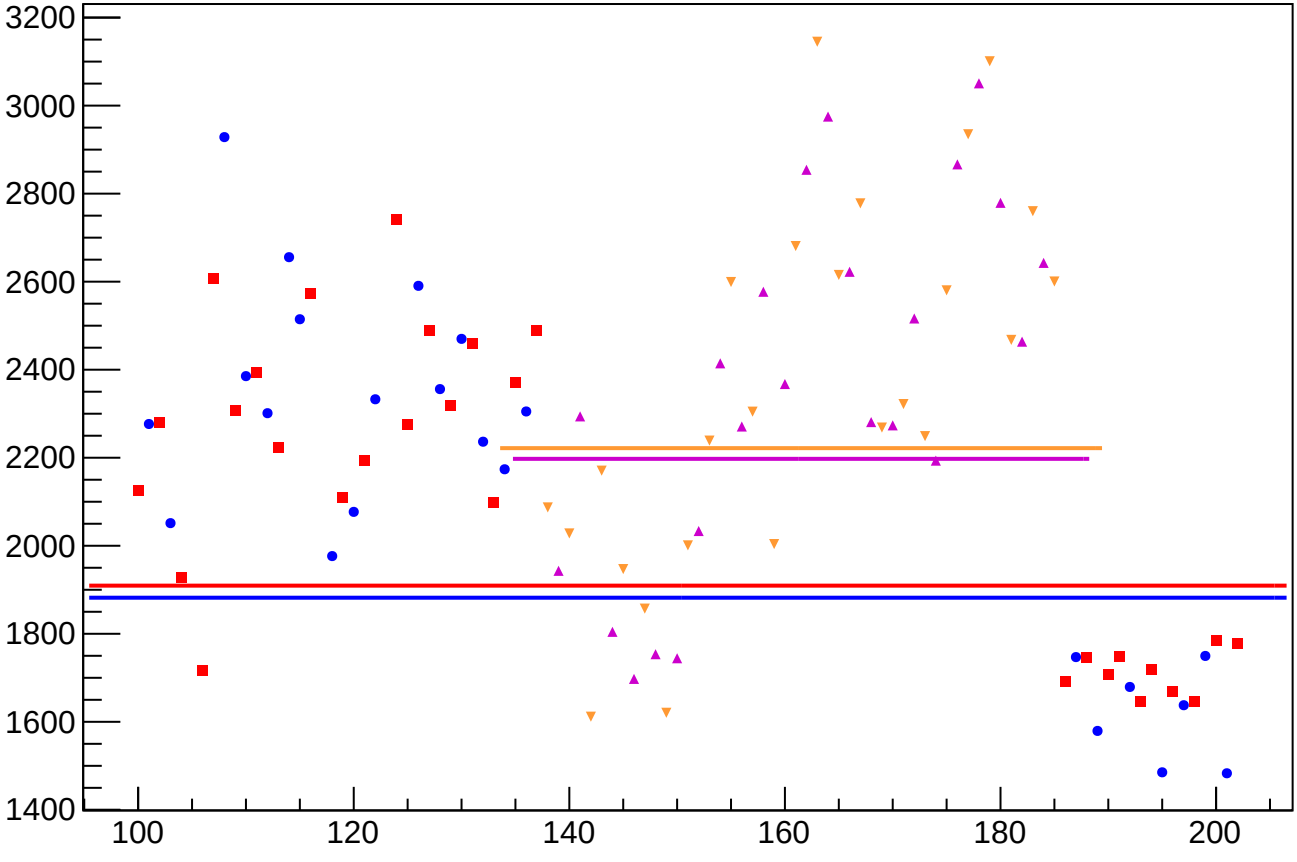
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 31.480+/-0.375 χ^2/NDF: 8764.2/47

All: 20.768+/-0.261 χ^2/NDF: 28338.2/99

- sign 10.651+/-0.364 χ^2/NDF: 17987.8/51

diff_bpm0i01X_rms vs Slug



Right In: 1881.981+/-0.388 χ^2/NDF: 895648.3/22

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1909.393+/-0.358 χ^2/NDF: 654173.1/28

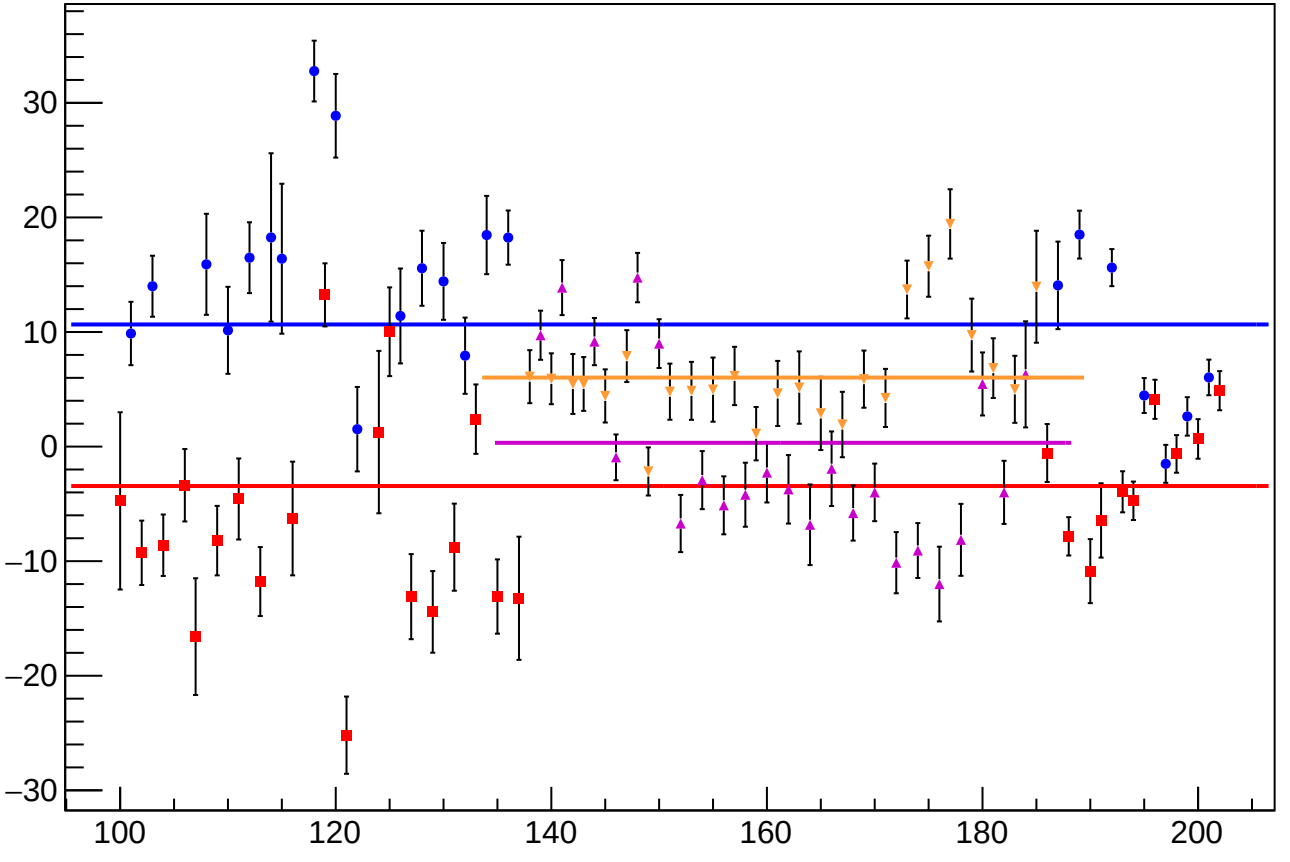
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2062.919+/-0.265 χ^2/NDF: 2488327.8/47

All: 2055.518+/-0.185 χ^2/NDF: 4560639.9/99

- sign 2048.528+/-0.258 χ^2/NDF: 2070797.7/51

diff_bpm0i01Y_mean vs Slug



Right In: 10.658+/-0.522 χ^2/NDF: 255.2/22

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

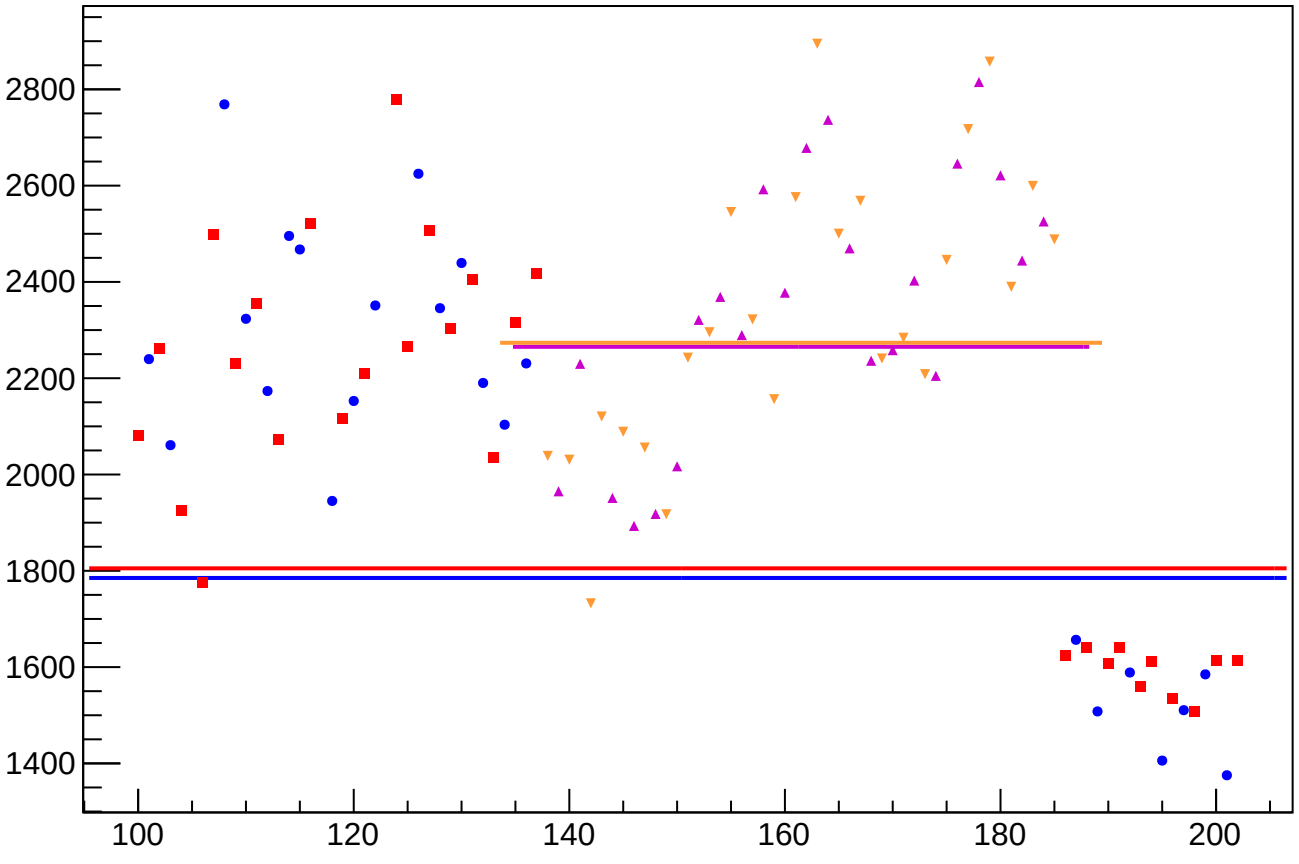
Right Out: -3.442+/-0.481 χ^2/NDF: 219.1/28

Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.334+/-0.369 χ^2/NDF: 366.4/47

All: 3.134+/-0.257 χ^2/NDF: 1223.8/99

- sign -1.755+/-0.358 χ^2/NDF: 471.5/51



Right In: 1785.153+/-0.369 χ^2/NDF: 1109793.7/22

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1805.165+/-0.340 χ^2/NDF: 883733.3/28

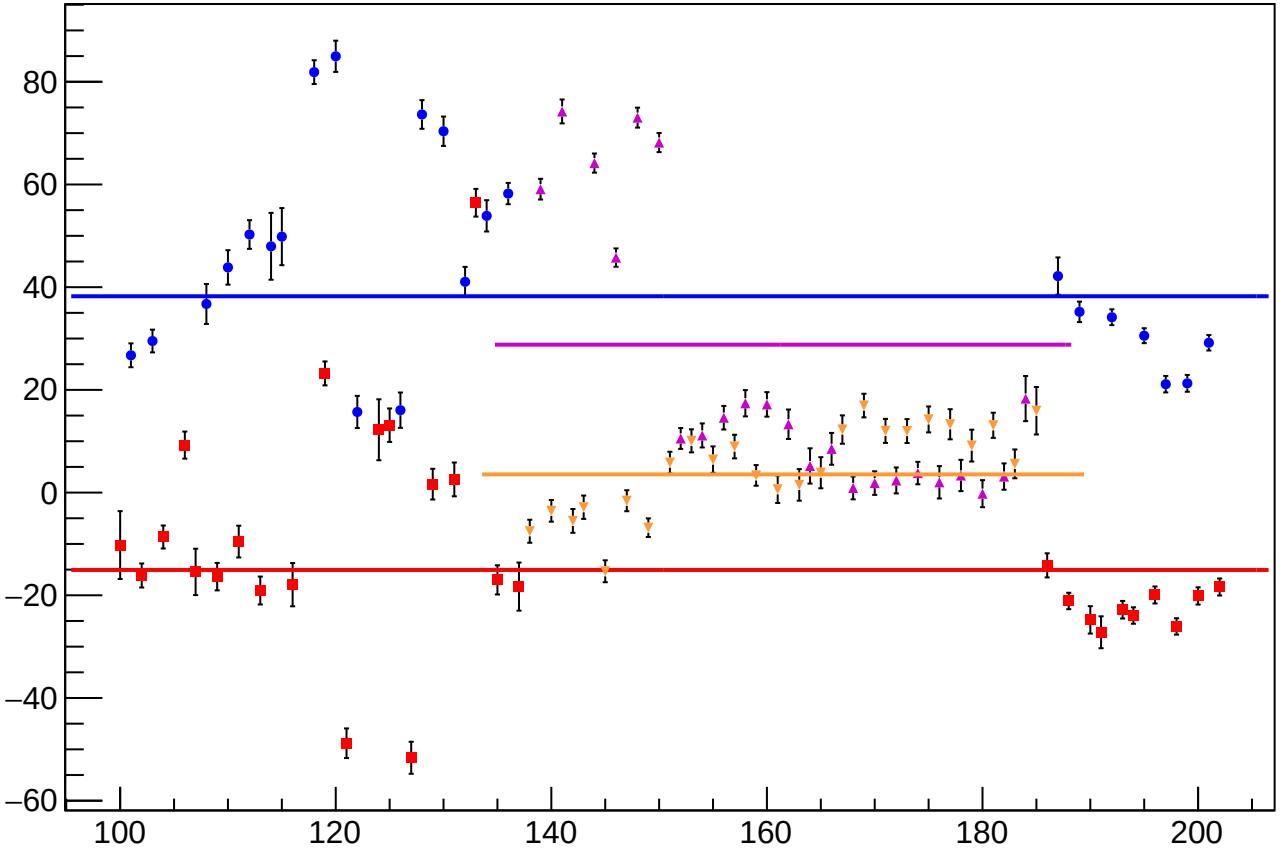
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2030.010+/-0.261 χ^2/NDF: 2523949.1/47

All: 2020.191+/-0.182 χ^2/NDF: 4725084.0/99

- sign 2010.960+/-0.253 χ^2/NDF: 2198383.6/51

diff_bpm0i01aX_mean vs Slug



Right In: 38.231+/-0.480 χ^2/NDF: 1454.2/22

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -15.068+/-0.443 χ^2/NDF: 1666.6/28

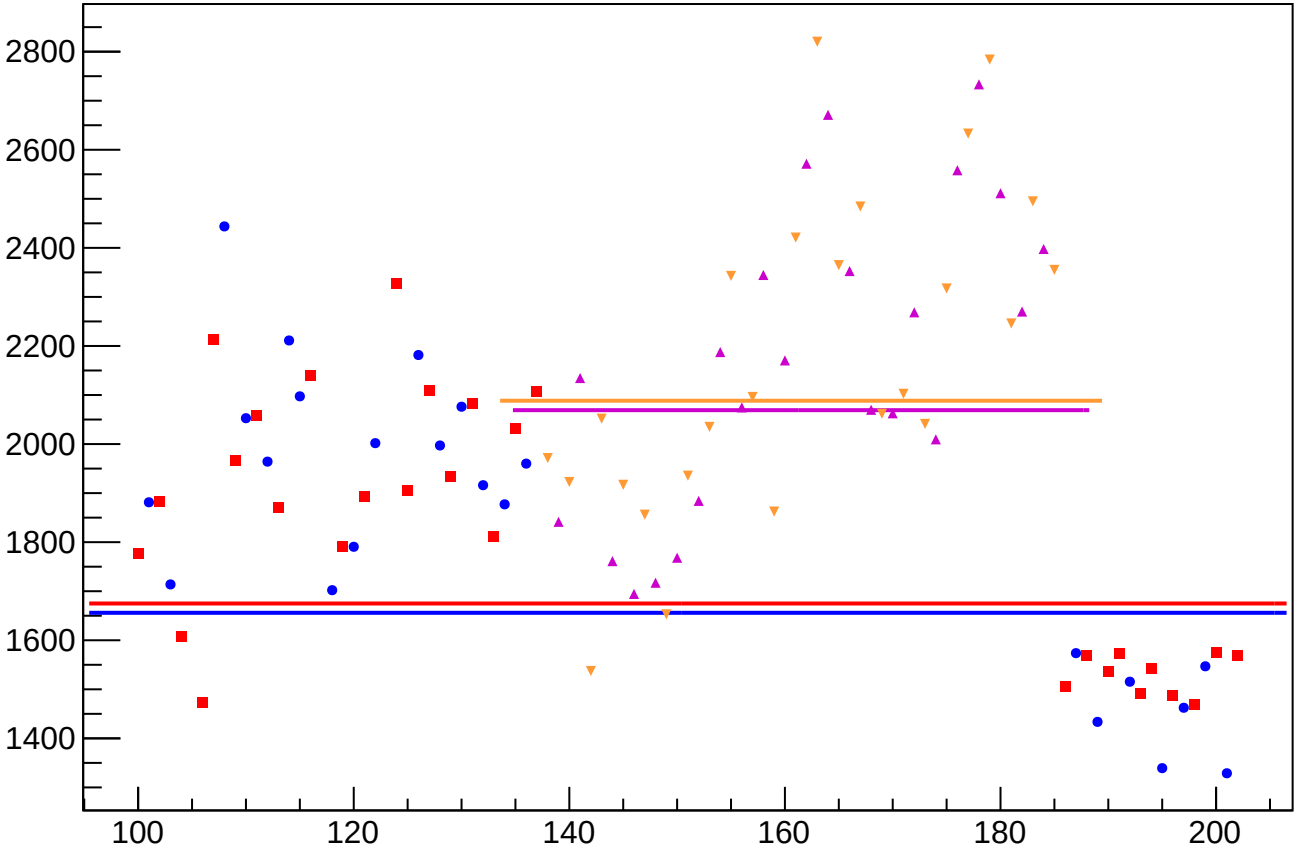
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 20.897+/-0.340 χ^2/NDF: 4383.5/47

All: 12.507+/-0.236 χ^2/NDF: 14897.3/99

\- sign 4.633+/-0.329 χ^2/NDF: 9330.3/51

diff_bpm0i01aX_rms vs Slug



Right In: 1655.998+/-0.339 χ^2/NDF: 669744.0/22

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1674.988+/-0.313 χ^2/NDF: 474195.7/28

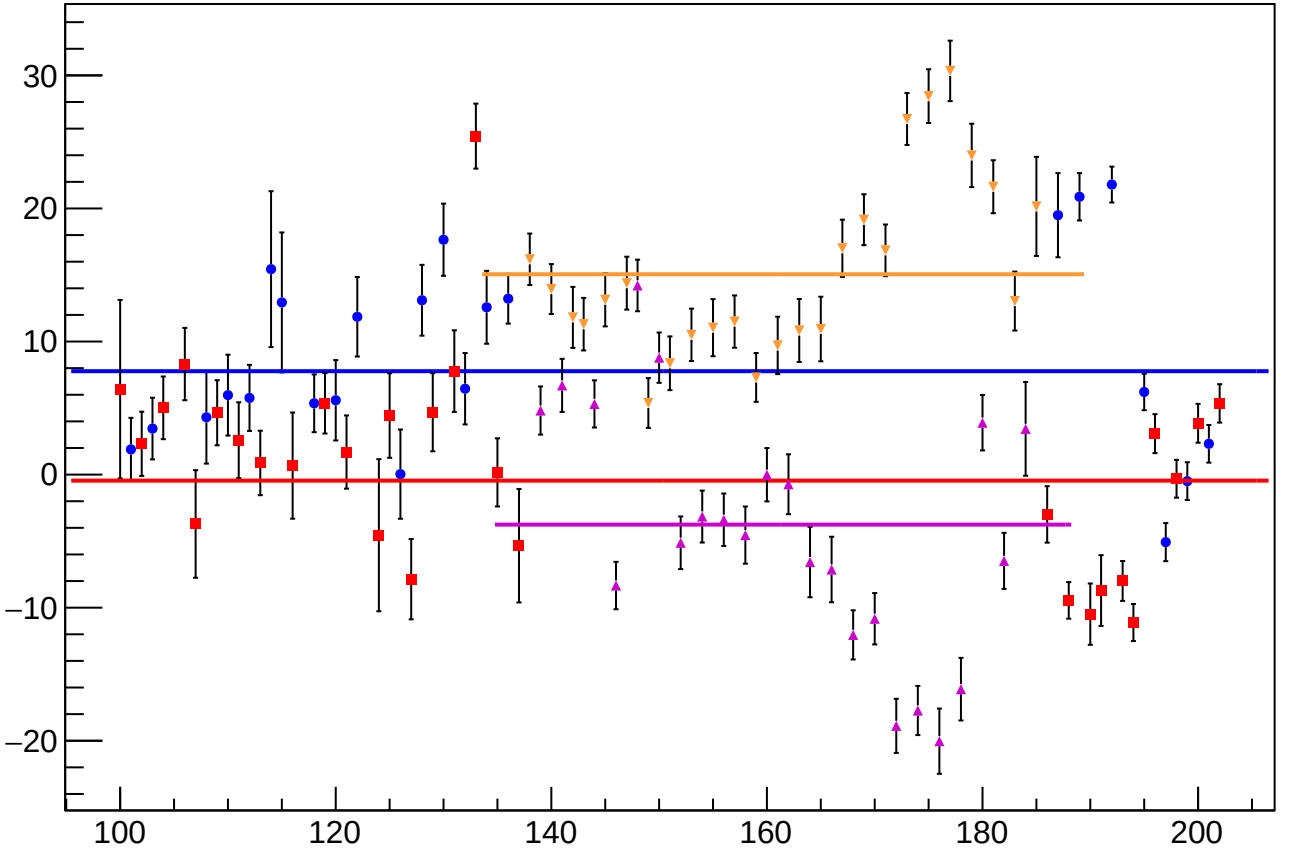
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1872.065+/-0.240 χ^2/NDF: 2267993.0/47

All: 1861.701+/-0.167 χ^2/NDF: 4167695.4/99

- sign 1851.974+/-0.233 χ^2/NDF: 1896090.0/51

diff_bpm0i01aY_mean vs Slug



Right In: 7.772+/-0.442 χ^2/NDF: 359.1/22

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -0.451+/-0.401 χ^2/NDF: 352.4/28

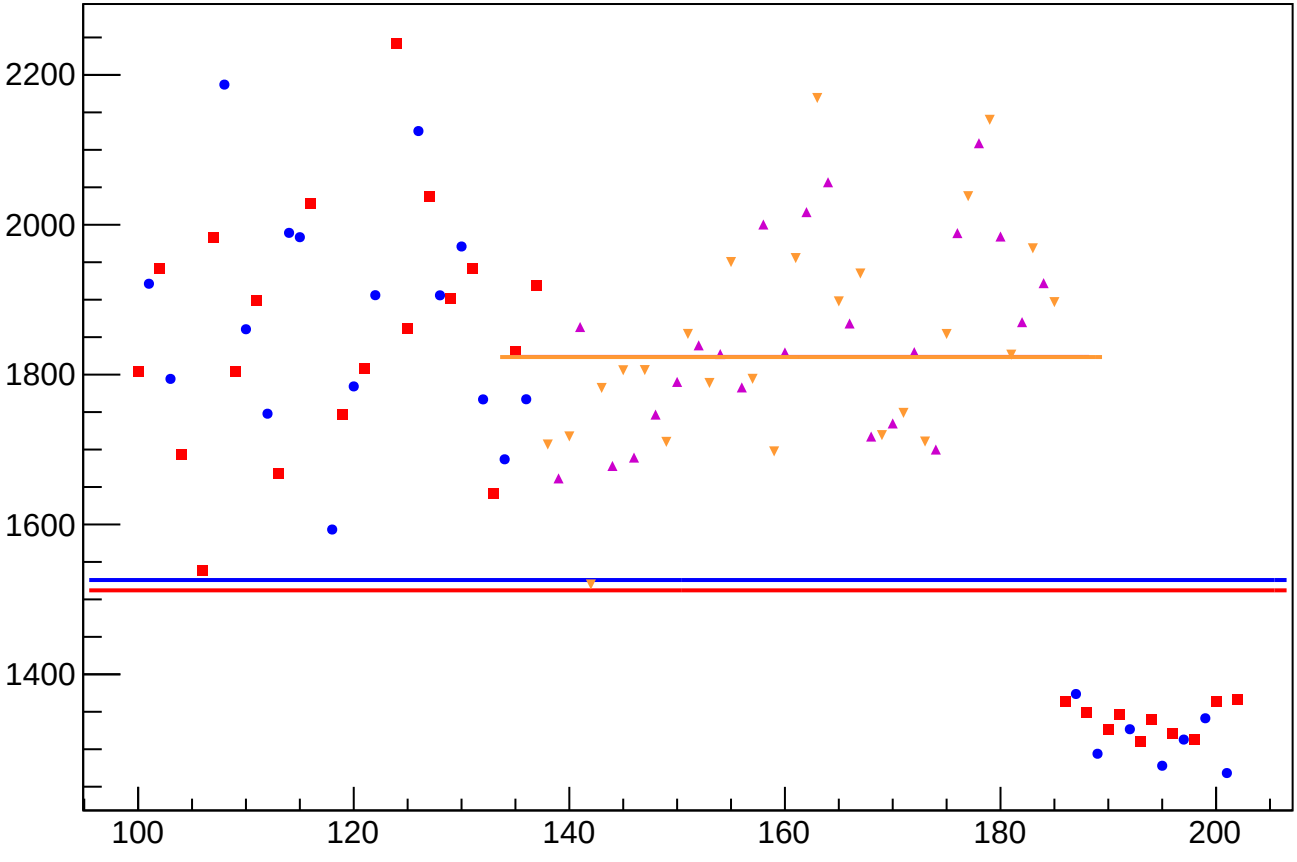
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 11.636+/-0.303 χ^2/NDF: 749.5/47

All: 4.587+/-0.210 χ^2/NDF: 2641.2/99

- sign -1.999+/-0.293 χ^2/NDF: 843.3/51

diff_bpm0i01aY_rms vs Slug



Right In: 1525.846+/-0.312 χ^2/NDF: 778284.3/22

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1512.069+/-0.284 χ^2/NDF: 744405.0/28

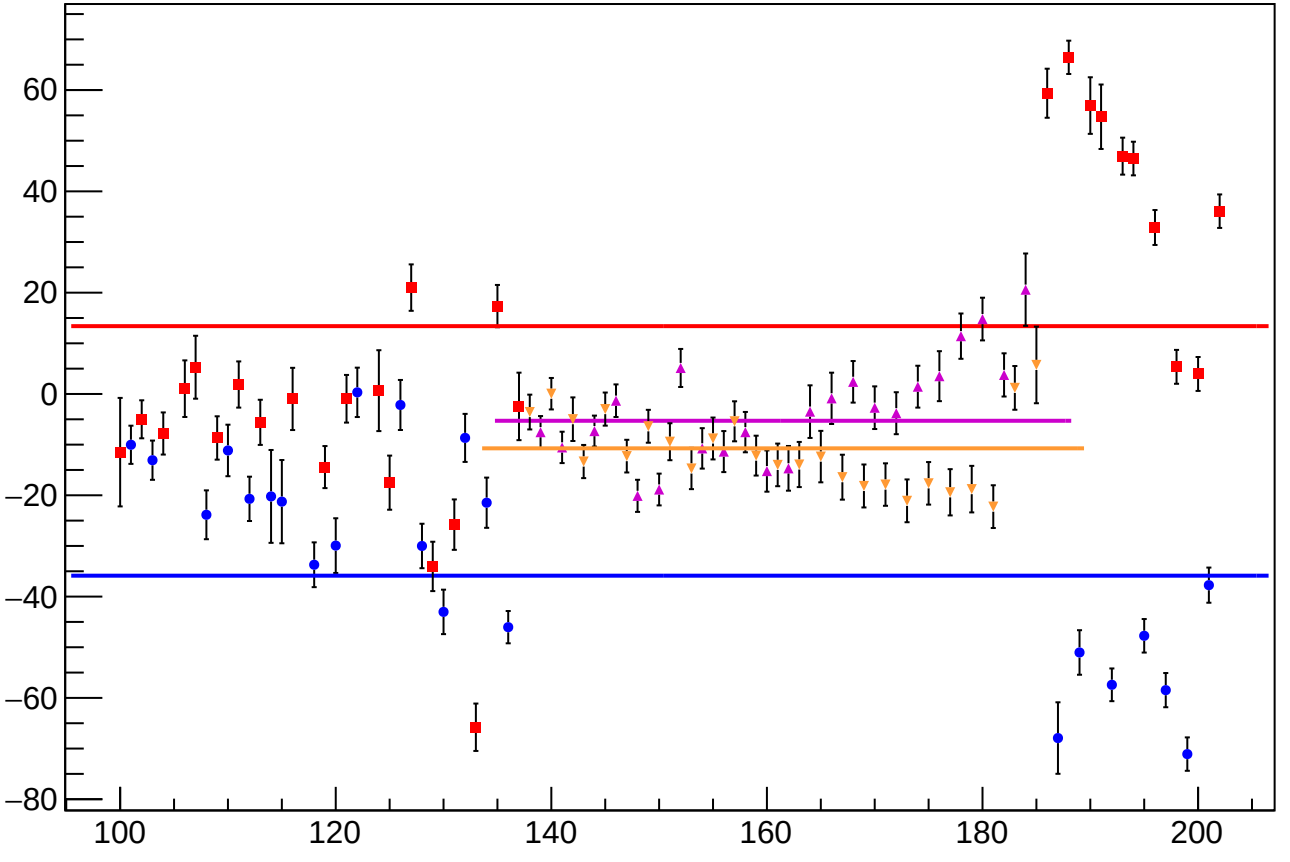
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1683.735+/-0.214 χ^2/NDF: 1470823.5/47

All: 1670.362+/-0.149 χ^2/NDF: 2950862.7/99

- sign 1657.868+/-0.207 χ^2/NDF: 1472492.1/51

diff_bpm0l01X_mean vs Slug



Right In: -35.871+/-0.886 χ^2/NDF: 537.7/22

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 13.391+/-0.817 χ^2/NDF: 1391.8/28

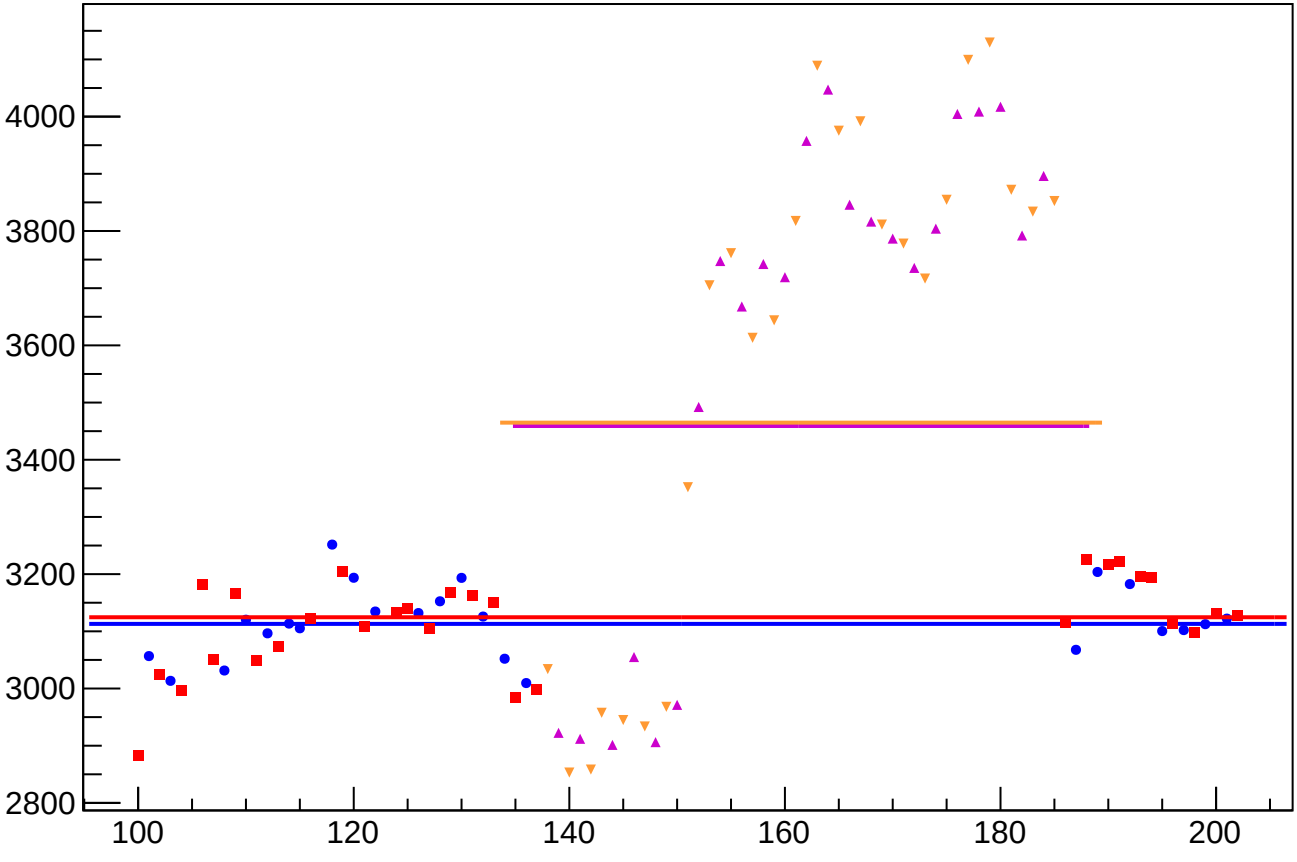
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -21.933+/-0.591 χ^2/NDF: 1058.4/47

All: -8.644+/-0.413 χ^2/NDF: 3832.9/99

- sign 4.015+/-0.577 χ^2/NDF: 1787.6/51

diff_bpm0l01X_rms vs Slug



Right In: 3112.999+/-0.626 χ^2/NDF: 10041.2/22

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3124.607+/-0.578 χ^2/NDF: 14654.3/28

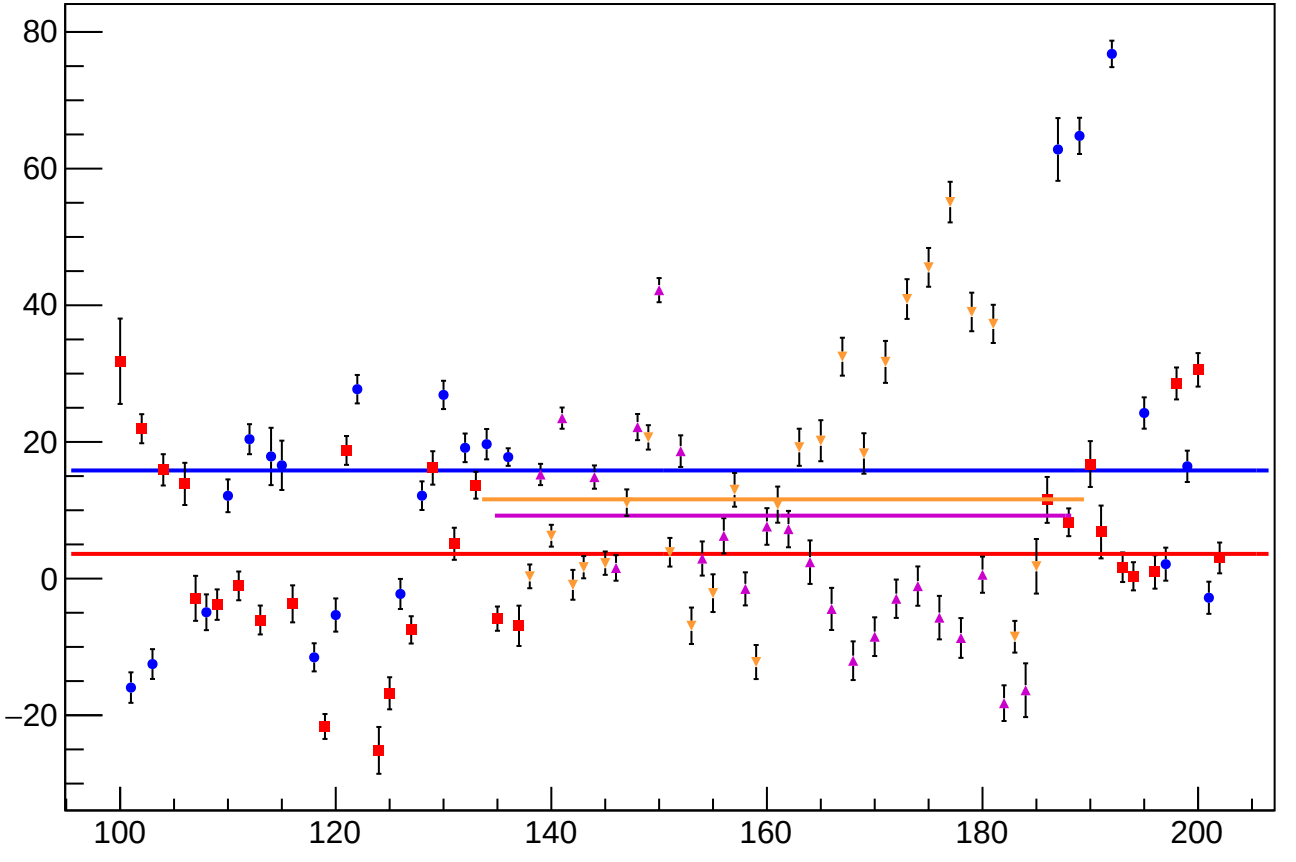
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3308.110+/-0.418 χ^2/NDF: 829192.4/47

All: 3300.095+/-0.292 χ^2/NDF: 1595918.4/99

- sign 3292.460+/-0.408 χ^2/NDF: 766007.9/51

diff_bpm0l01Y_mean vs Slug



Right In: 15.825+/-0.466 χ^2/NDF: 2378.4/22

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 3.615+/-0.440 χ^2/NDF: 963.2/28

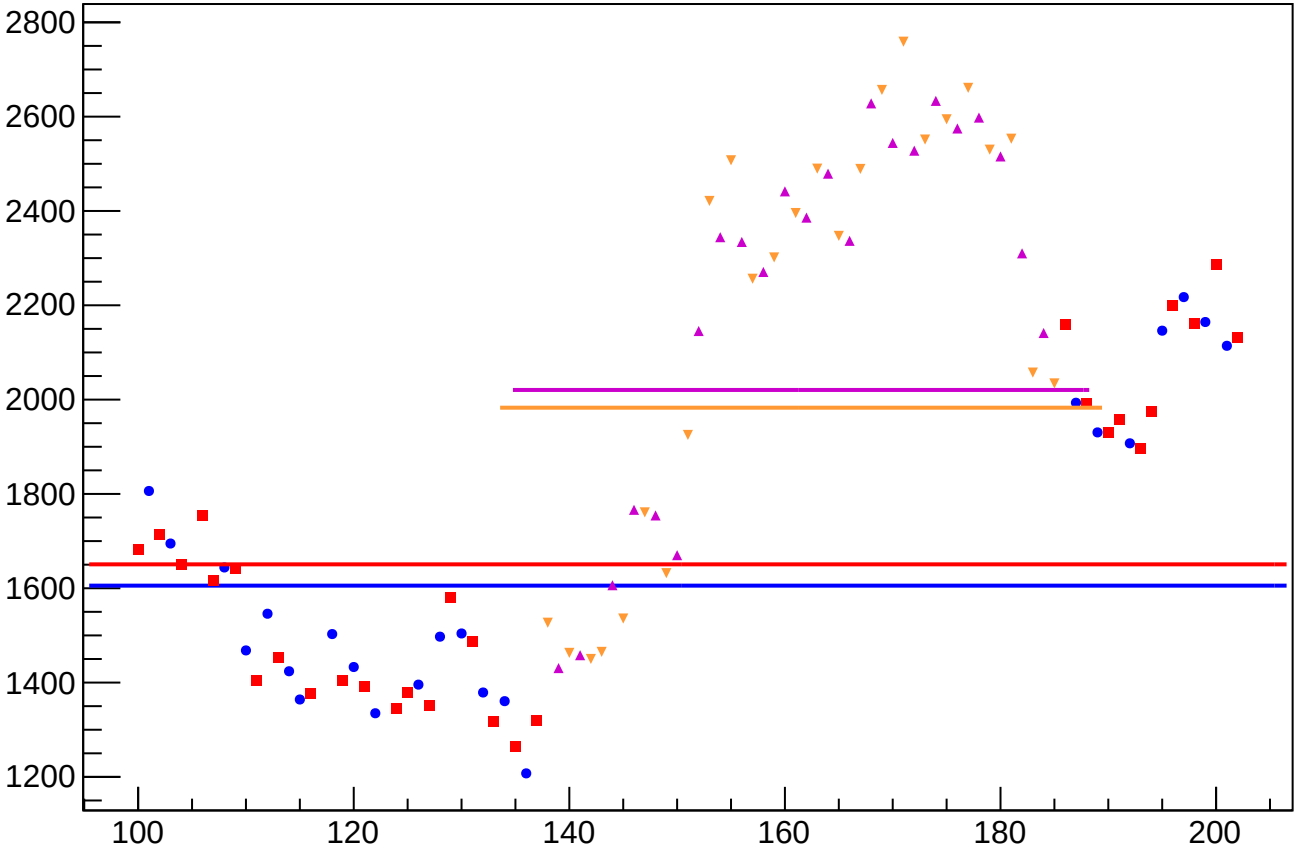
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 13.699+/-0.329 χ^2/NDF: 3616.7/47

All: 9.891+/-0.231 χ^2/NDF: 5859.8/99

\- sign 6.152+/-0.326 χ^2/NDF: 1977.0/51

diff_bpm0l01Y_rms vs Slug



Right In: 1605.549+/-0.330 χ^2/NDF: 902240.4/22

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1650.698+/-0.311 χ^2/NDF: 1038938.2/28

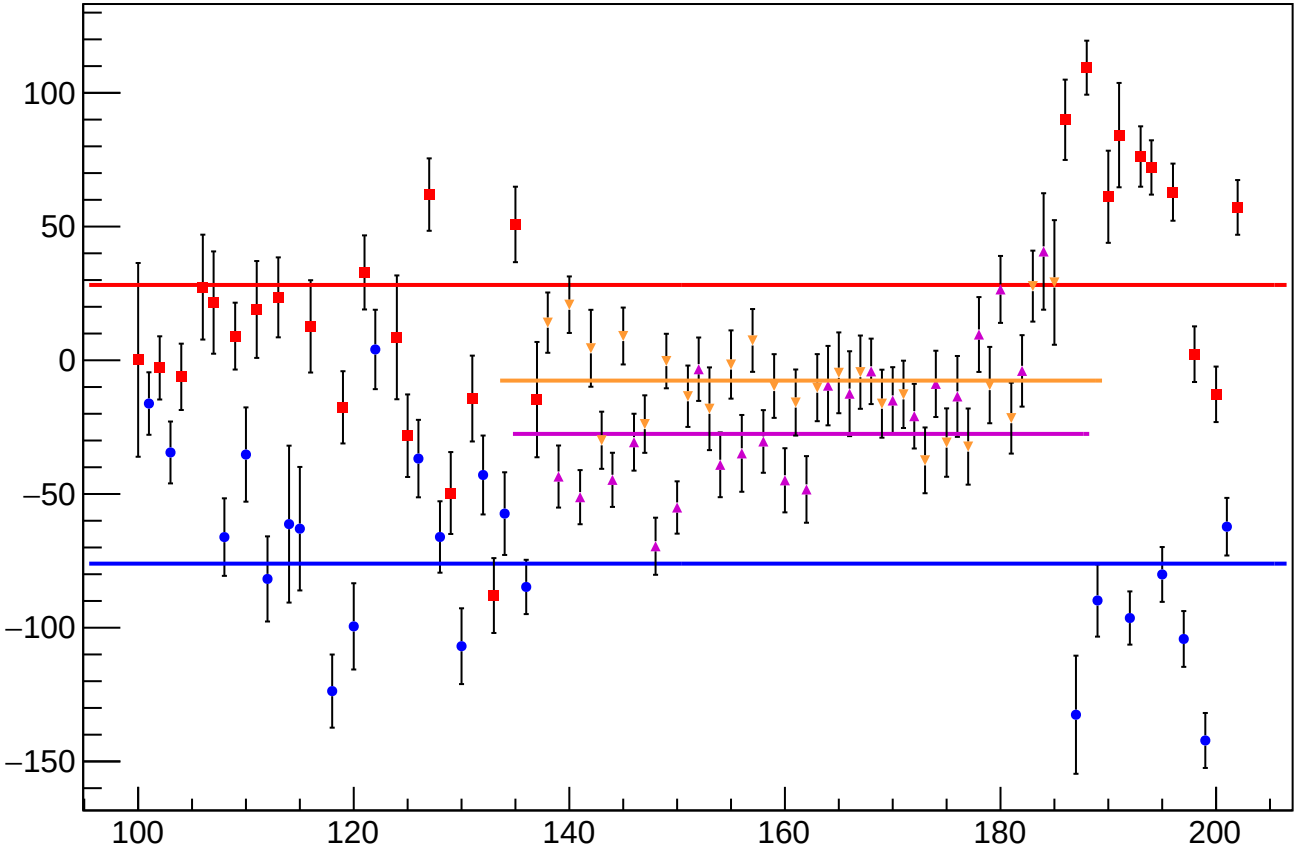
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1795.337+/-0.232 χ^2/NDF: 3538903.9/47

All: 1806.906+/-0.164 χ^2/NDF: 6836290.1/99

- sign 1818.267+/-0.230 χ^2/NDF: 3292474.3/51

diff_bpm0l02X_mean vs Slug



Right In: -76.041+/-2.755 χ^2/NDF: 171.2/22

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 28.170+/-2.546 χ^2/NDF: 329.5/28

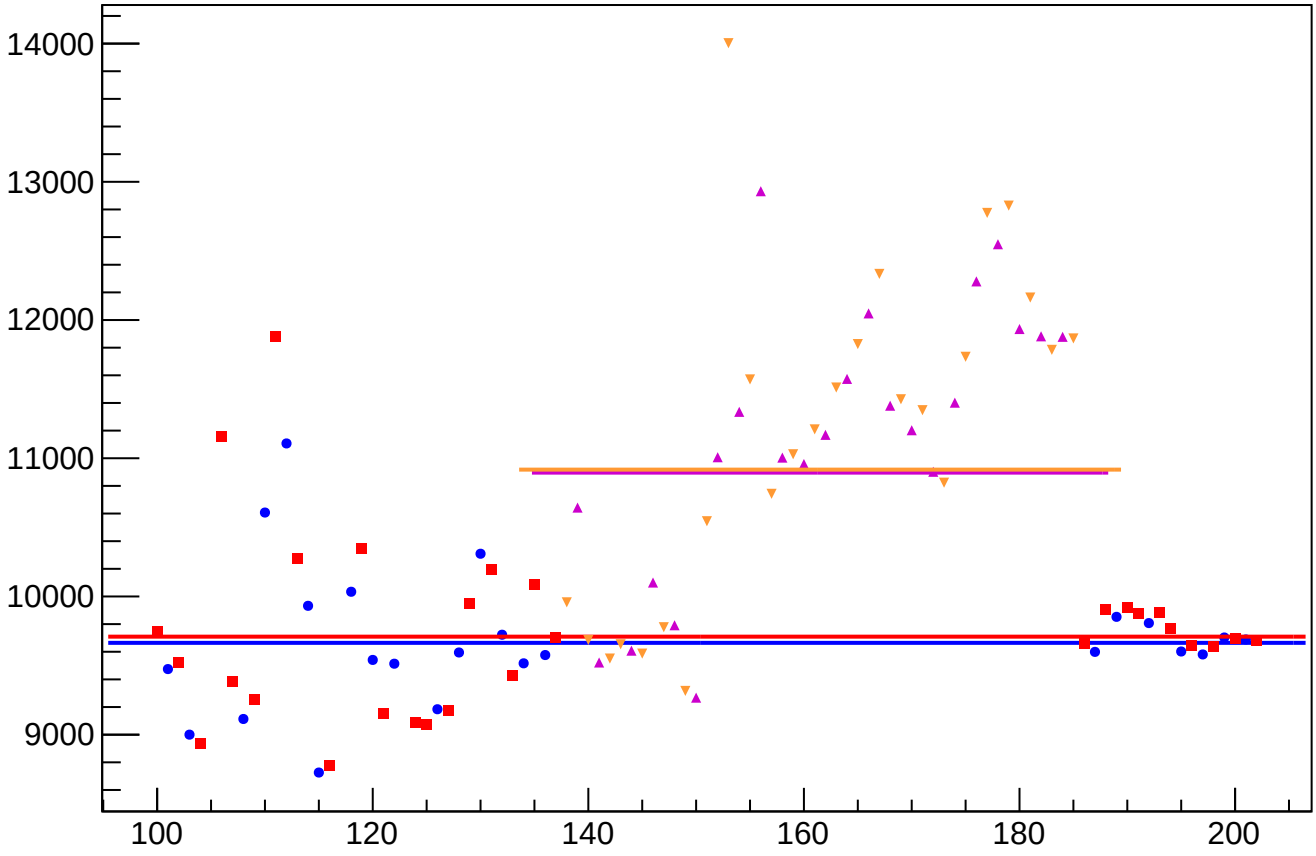
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -38.433+/-1.849 χ^2/NDF: 558.2/47

All: -18.514+/-1.291 χ^2/NDF: 1445.4/99

- sign 0.438+/-1.804 χ^2/NDF: 660.9/51

diff_bpm0l02X_rms vs Slug



Right In: 9664.459+/-1.948 χ^2/NDF: 45224.0/22

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9709.272+/-1.800 χ^2/NDF: 82098.3/28

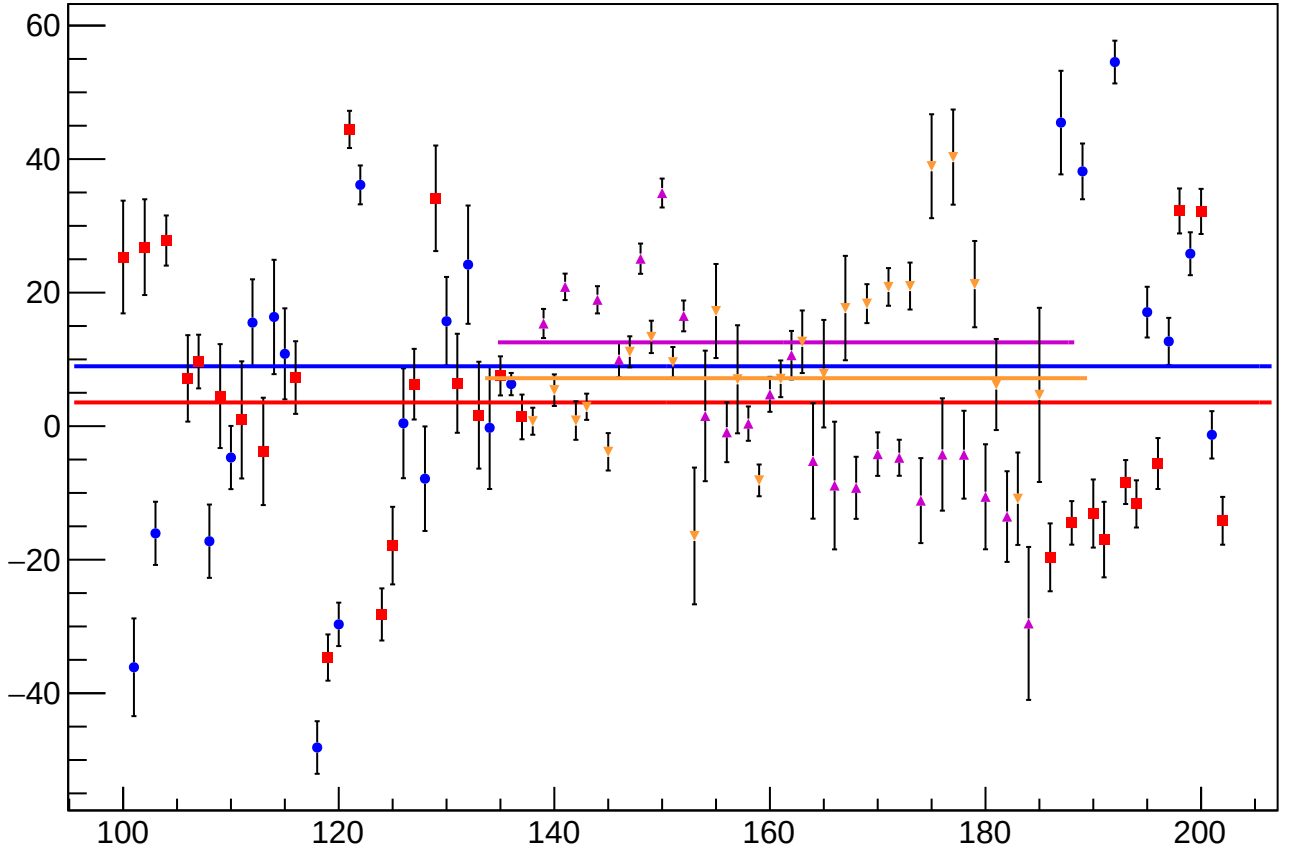
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

\+ sign 10353.054+/-1.308 χ^2/NDF: 698416.1/47

All: 10325.944+/-0.913 χ^2/NDF: 1295795.8/9

\- sign 10300.152+/-1.276 χ^2/NDF: 596541.1/51

diff_bpm0l02Y_mean vs Slug



Right In: 8.970+/-0.841 χ^2/NDF: 865.7/22

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 3.554+/-0.799 χ^2/NDF: 778.6/28

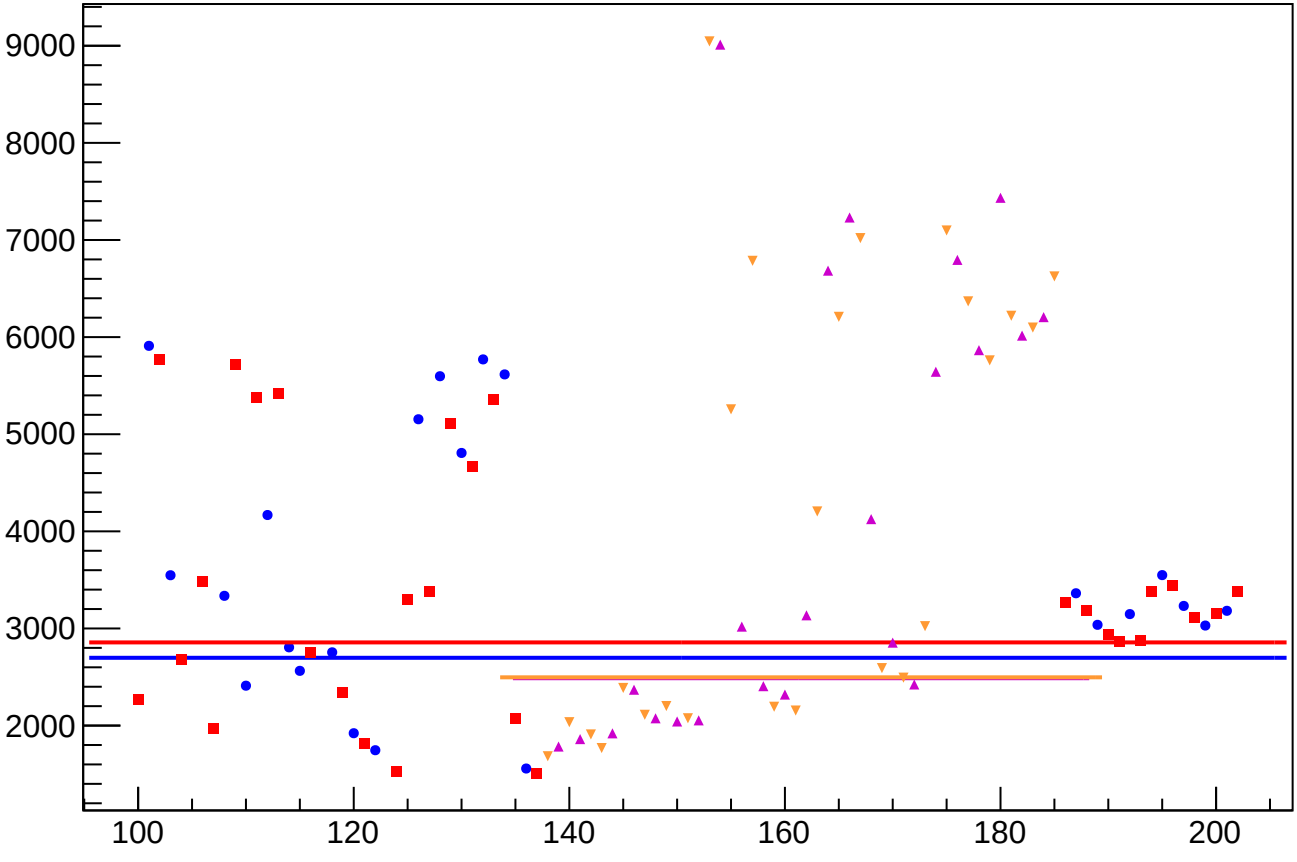
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 7.857+/-0.516 χ^2/NDF: 1070.2/47

All: 8.386+/-0.362 χ^2/NDF: 2298.2/99

- sign 8.902+/-0.509 χ^2/NDF: 1226.0/51

diff_bpm0l02Y_rms vs Slug



Right In: 2697.999+/-0.595 χ^2/NDF: 3221050.3/22

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2856.398+/-0.565 χ^2/NDF: 2826657.3/28

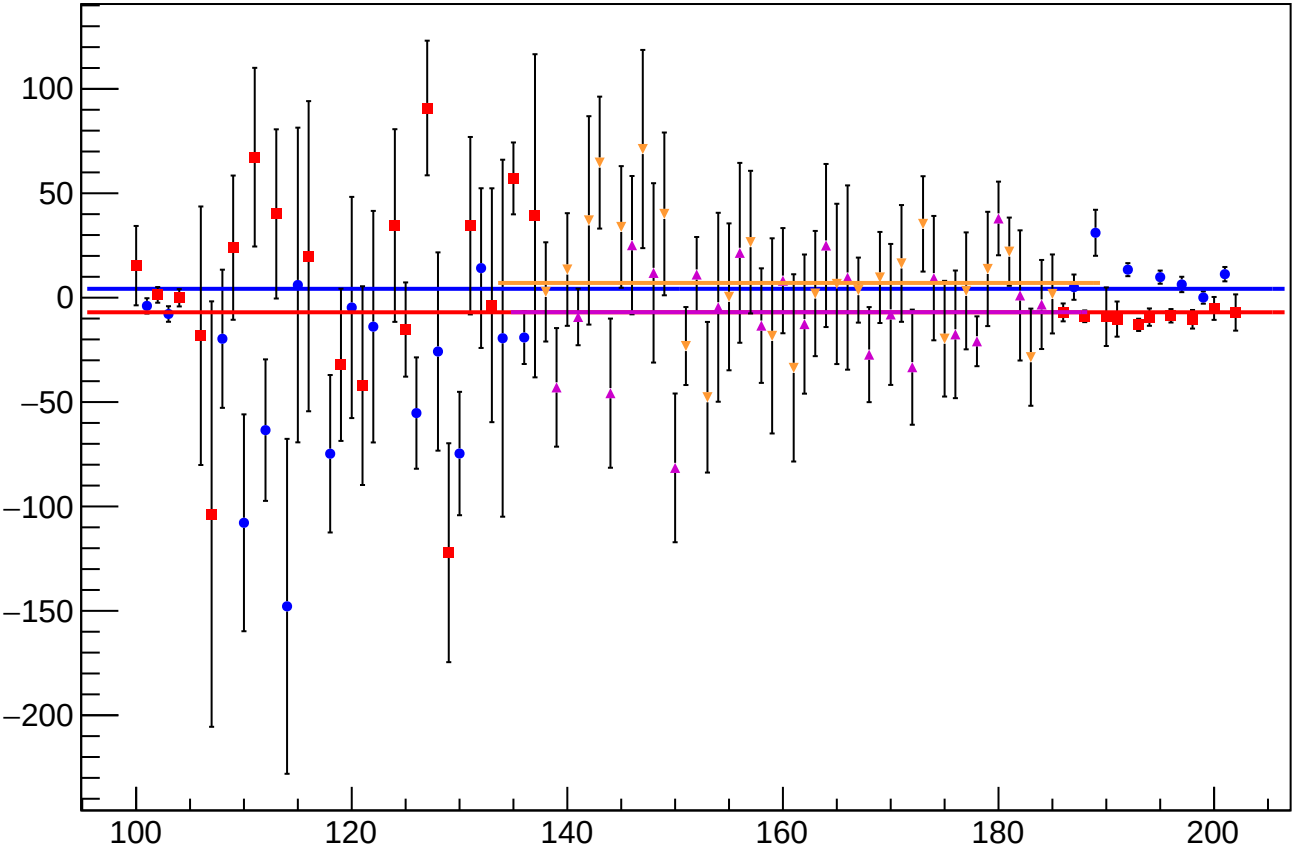
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2572.527+/-0.365 χ^2/NDF: 10498203.6/47

All: 2605.352+/-0.256 χ^2/NDF: 19697074.7/9

- sign 2637.297+/-0.360 χ^2/NDF: 9182911.2/51

diff_bpm0l03X_mean vs Slug



Right In: 4.240+/-1.219 χ^2/NDF: 73.0/22

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -6.996+/-1.185 χ^2/NDF: 52.7/28

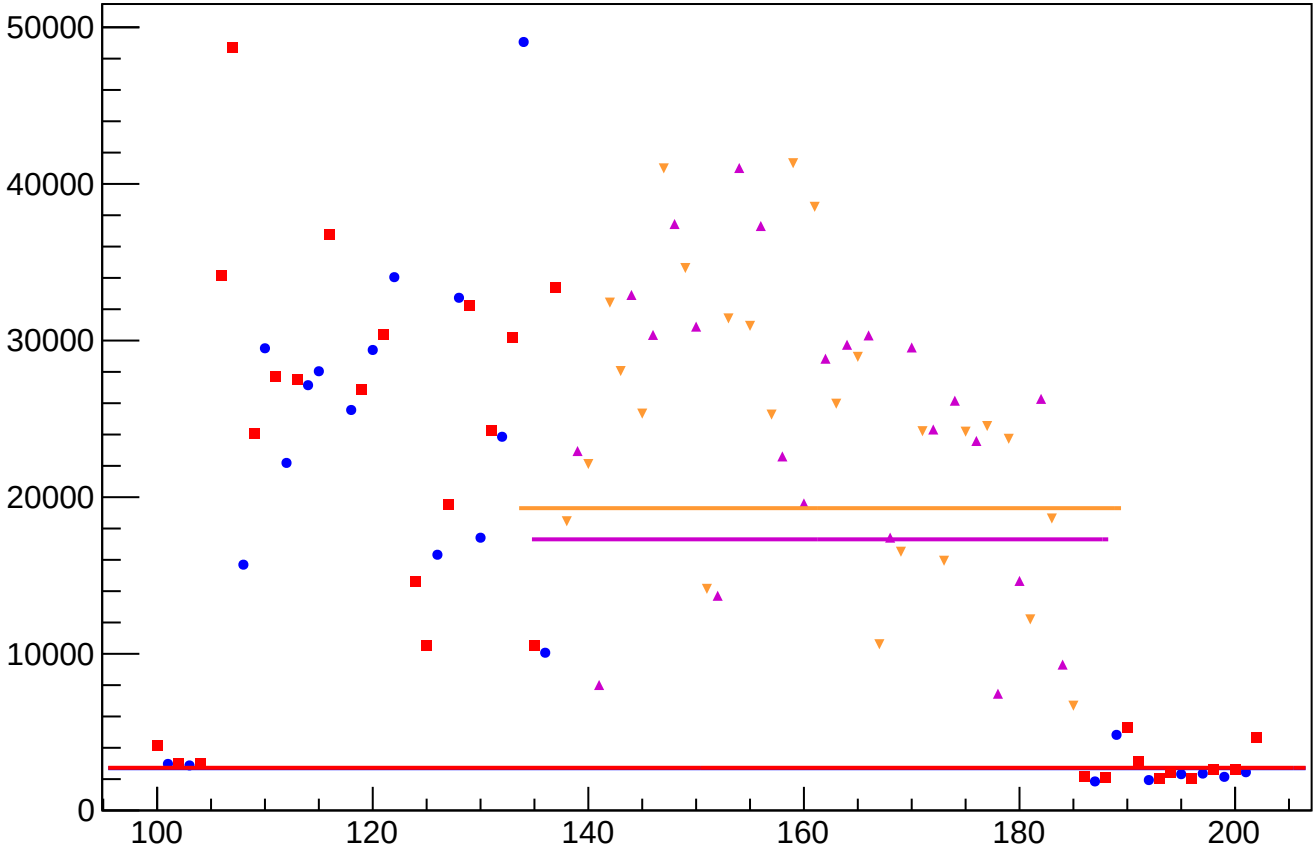
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 4.385+/-1.188 χ^2/NDF: 92.8/47

All: -1.469+/-0.828 χ^2/NDF: 213.8/99

- sign -6.994+/-1.154 χ^2/NDF: 73.8/51

diff_bpm0l03X_rms vs Slug



Right In: 2696.711+/-0.862 χ^2/NDF: 7868004.2/22

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2723.808+/-0.838 χ^2/NDF: 8900265.0/28

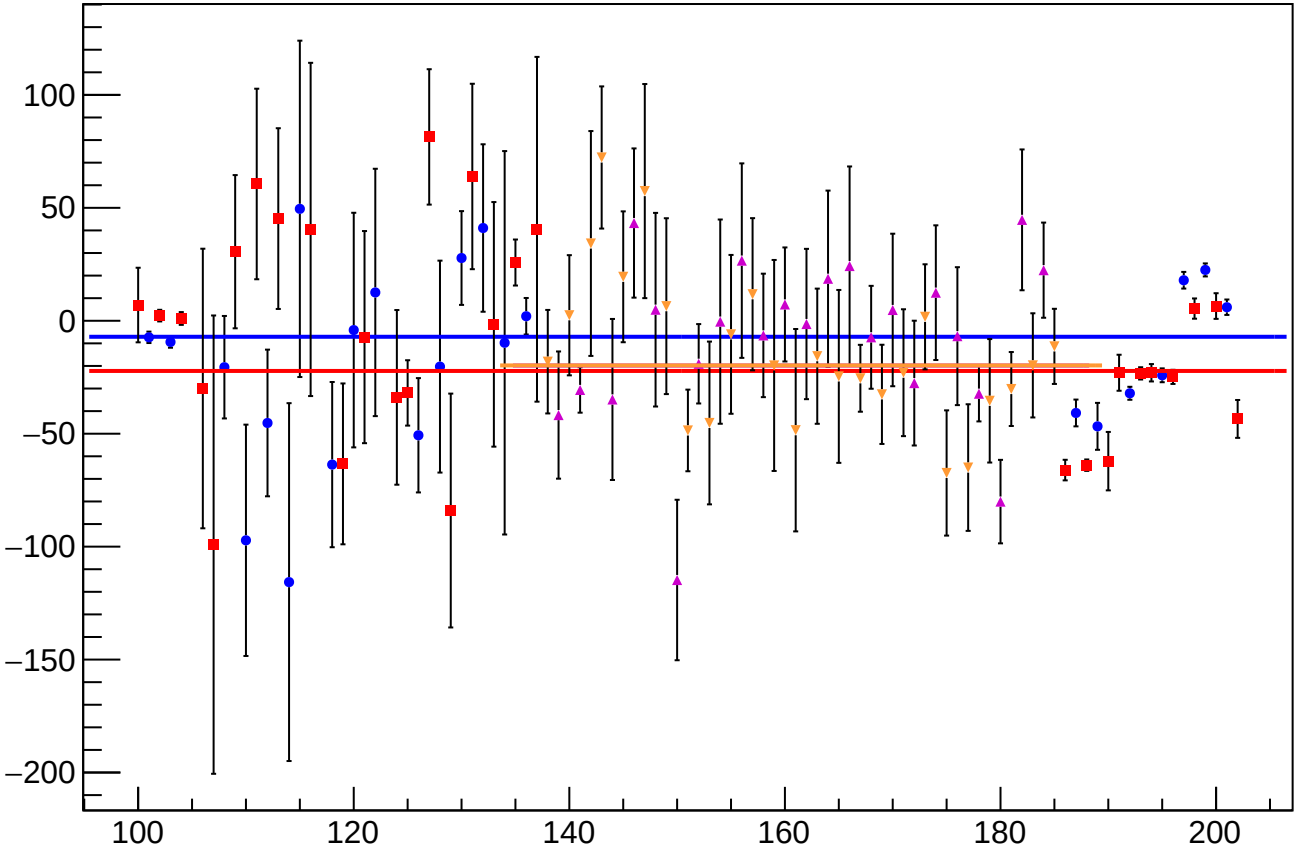
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3553.625+/-0.840 χ^2/NDF: 32038006.7/47

All: 3512.201+/-0.585 χ^2/NDF: 63238266.5/9

- sign 3473.102+/-0.816 χ^2/NDF: 31195529.8/51

diff_bpm0l03Y_mean vs Slug



Right In: -7.083+/-1.064 χ^2/NDF: 339.3/22

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

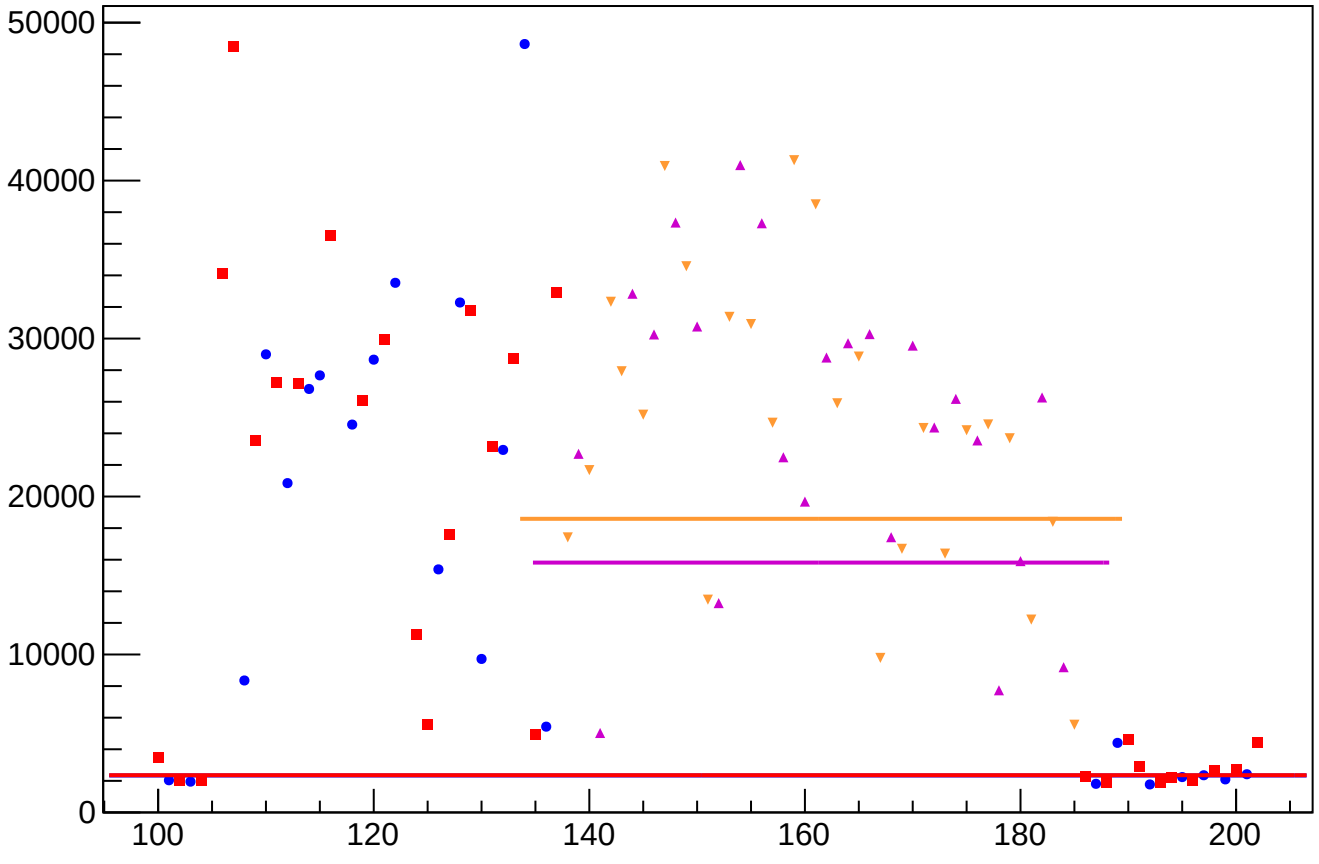
Right Out: -22.215+/-1.038 χ^2/NDF: 659.9/28

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -7.609+/-1.042 χ^2/NDF: 372.9/47

All: -15.050+/-0.727 χ^2/NDF: 1172.7/99

- sign -22.110+/-1.015 χ^2/NDF: 700.4/51



Right In: 2339.929+/-0.753 χ^2/NDF: 7026559.3/22

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2357.931+/-0.734 χ^2/NDF: 8447153.7/28

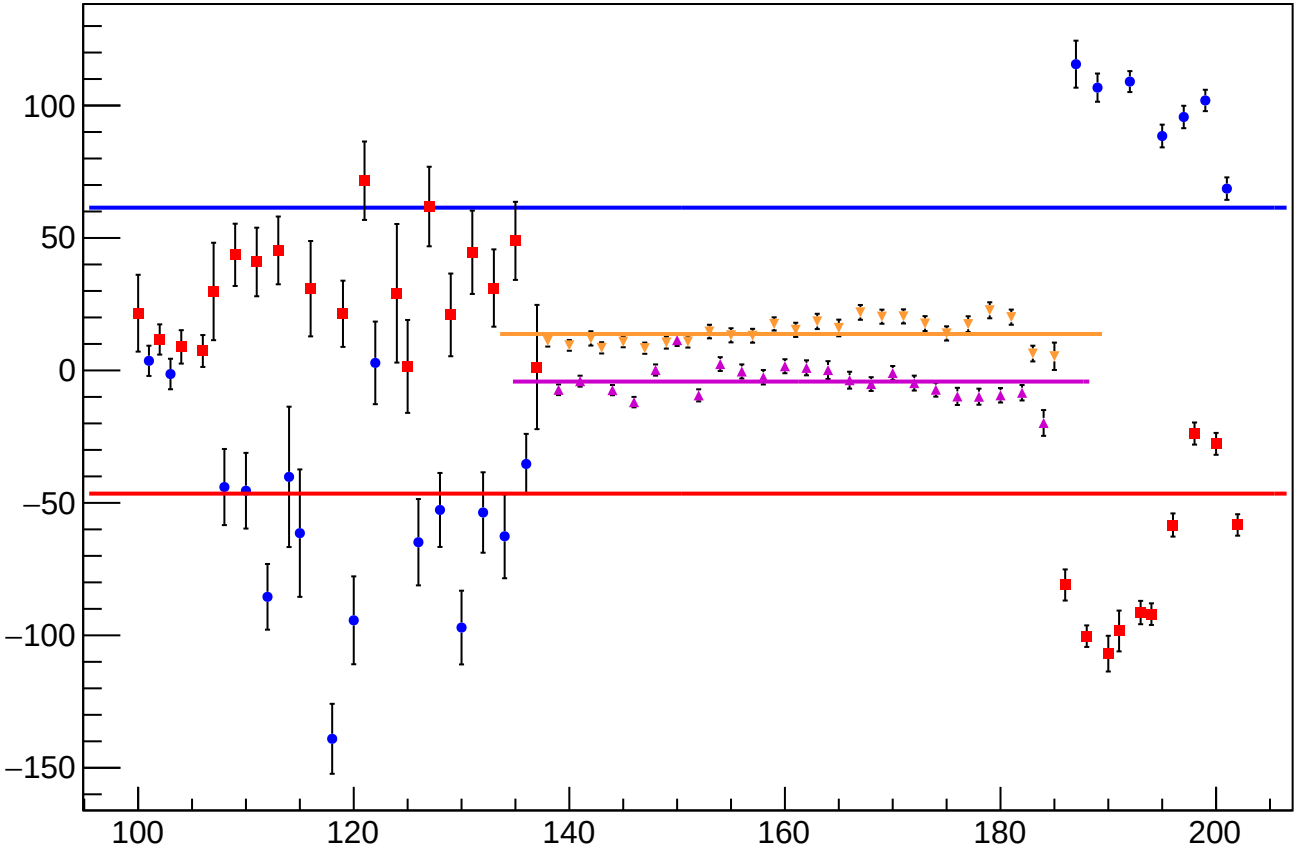
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 3013.945+/-0.737 χ^2/NDF: 32058852.0/47

All: 2980.431+/-0.514 χ^2/NDF: 63671231.9/9

- sign 2948.631+/-0.718 χ^2/NDF: 31608348.7/51

diff_bpm0l04X_mean vs Slug



Right In: 61.443+/-1.470 χ^2/NDF: 1755.9/22

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -46.496+/-1.268 χ^2/NDF: 1392.0/28

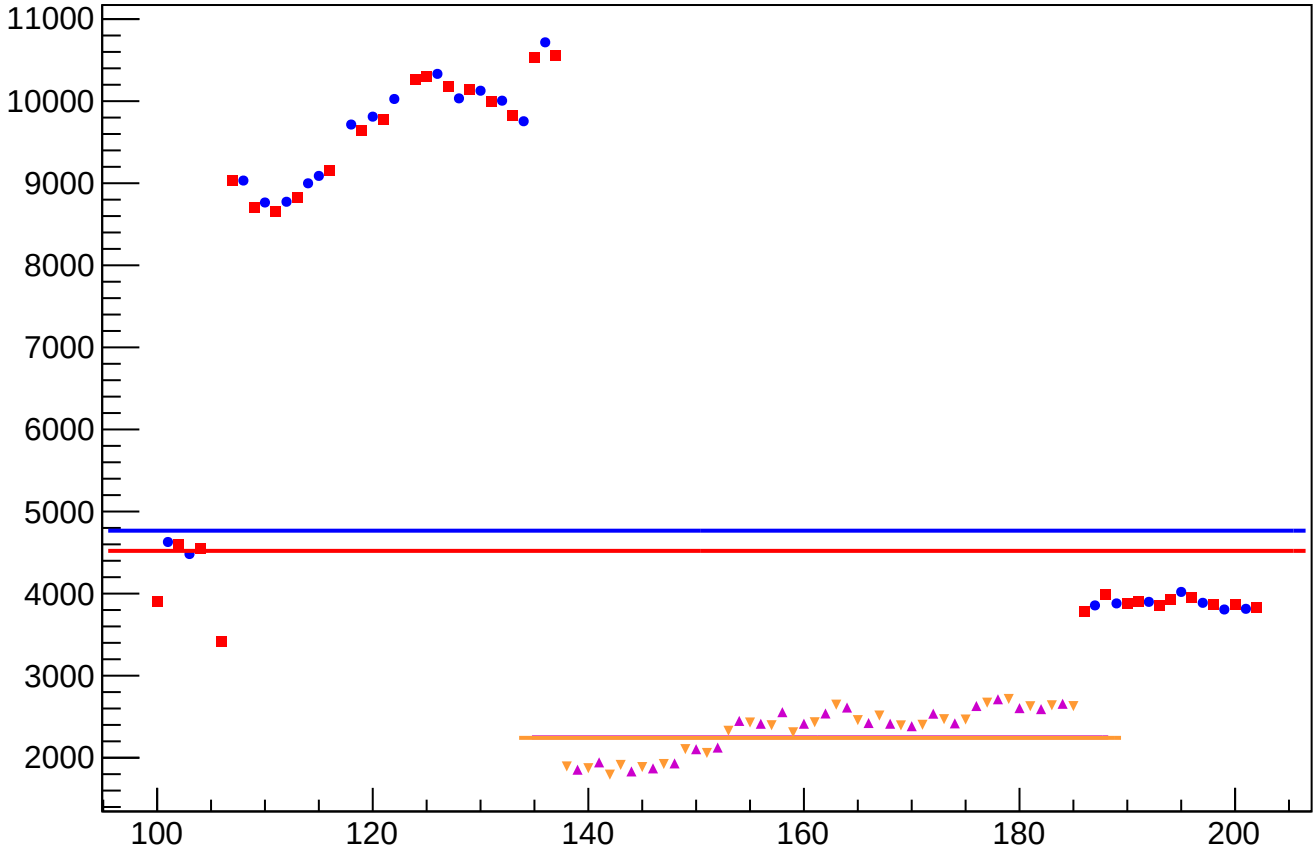
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 18.957+/-0.485 χ^2/NDF: 2770.9/47

All: 4.347+/-0.344 χ^2/NDF: 7062.0/99

- sign -10.496+/-0.489 χ^2/NDF: 2463.3/51

diff_bpm0l04X_rms vs Slug



Right In: 4766.619+/-1.039 χ^2/NDF: 3690736.7/22

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4520.636+/-0.896 χ^2/NDF: 3803371.4/28

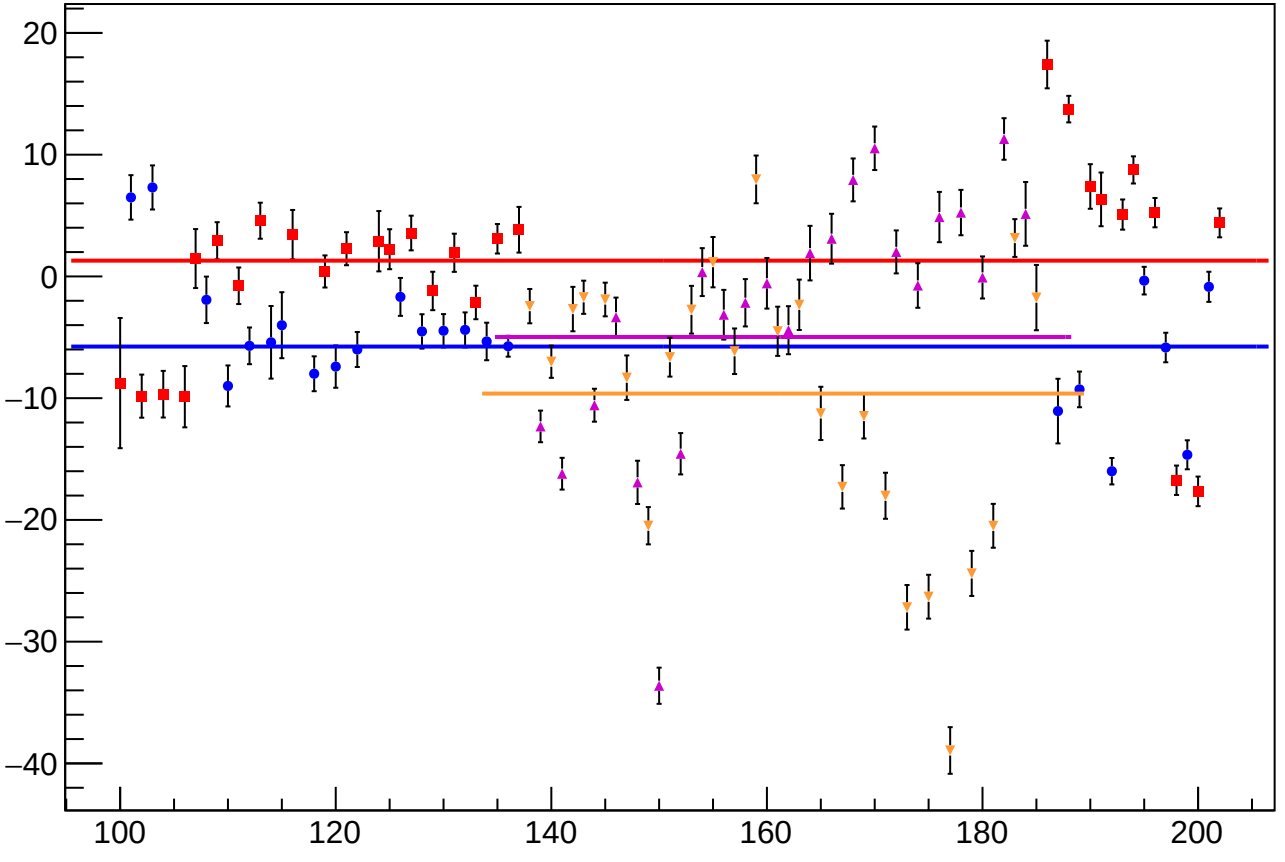
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2517.394+/-0.343 χ^2/NDF: 9604683.2/47

All: 2551.759+/-0.244 χ^2/NDF: 19538414.0/9

- sign 2586.670+/-0.346 χ^2/NDF: 9913505.7/51

diff_bpm0l04Y_mean vs Slug



Right In: -5.761+/-0.299 χ^2/NDF: 310.9/22

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

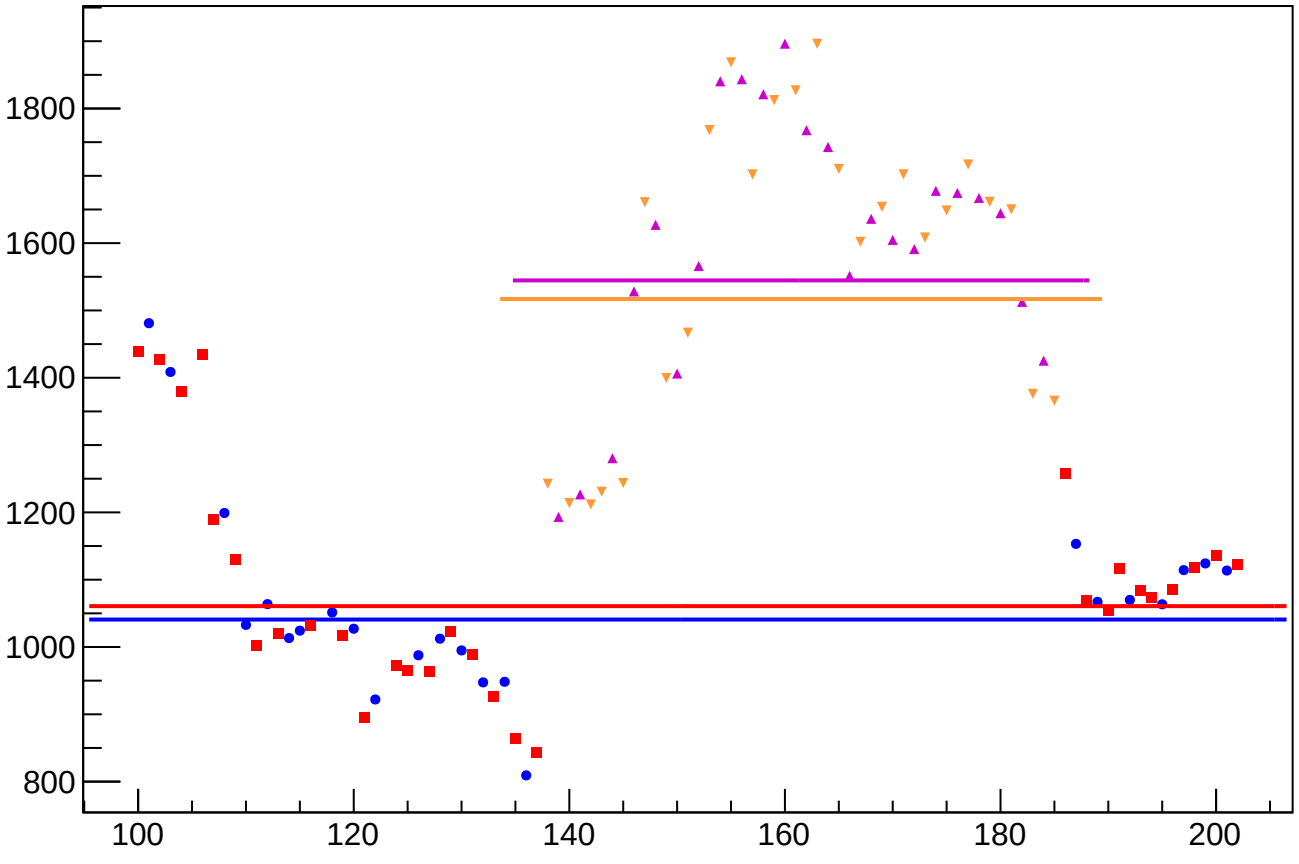
Right Out: 1.297+/-0.280 χ^2/NDF: 873.9/28

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.393+/-0.227 χ^2/NDF: 1315.8/47

All: -4.136+/-0.159 χ^2/NDF: 3708.4/99

- sign -1.024+/-0.222 χ^2/NDF: 1989.9/51



Right In: 1040.804+/-0.211 χ^2/NDF: 424157.2/22

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1060.705+/-0.198 χ^2/NDF: 404606.1/28

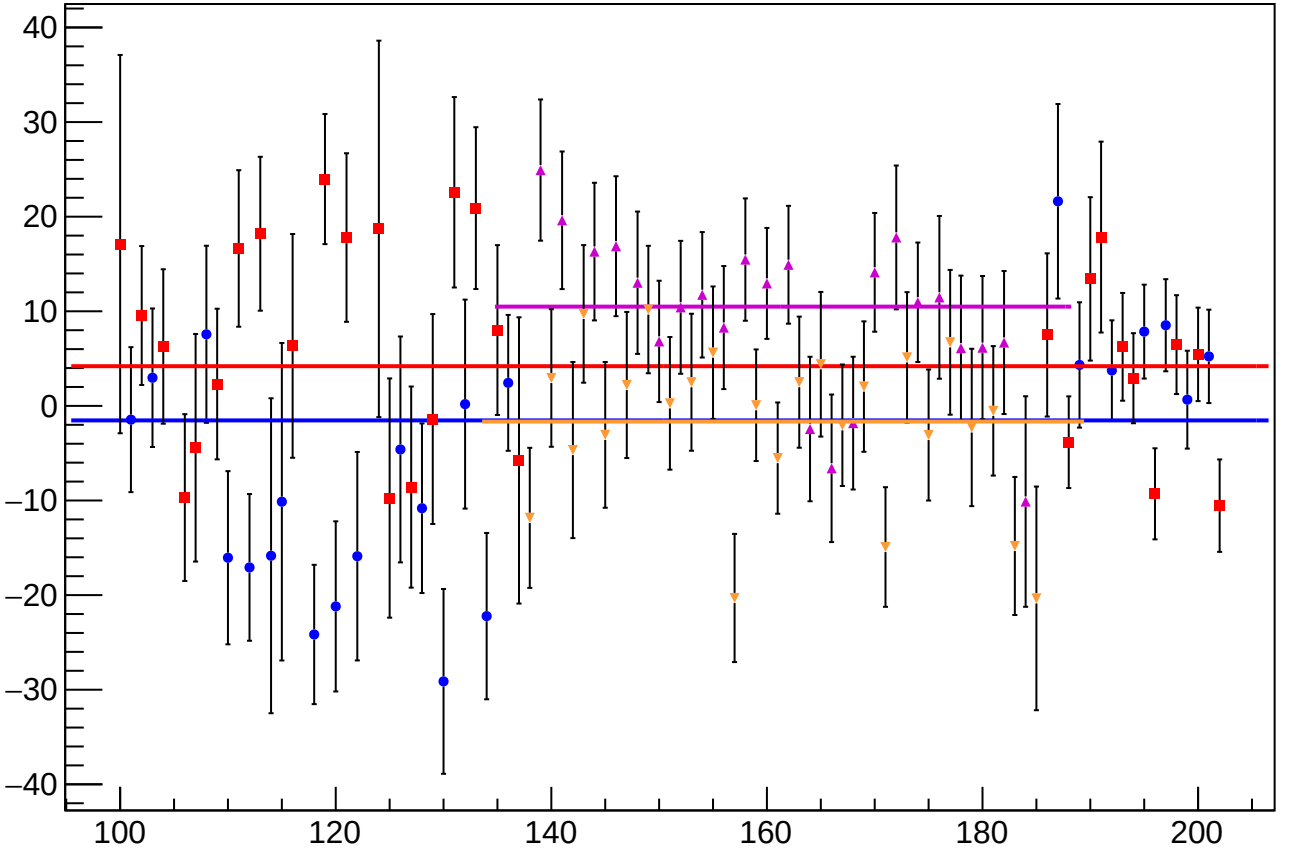
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1242.123+/-0.161 χ^2/NDF: 3405294.8/47

All: 1240.952+/-0.112 χ^2/NDF: 6667508.4/99

- sign 1239.834+/-0.157 χ^2/NDF: 3262109.6/51

diff_bpm0l05X_mean vs Slug



Right In: -1.534+/-1.540 χ^2/NDF: 56.5/22

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

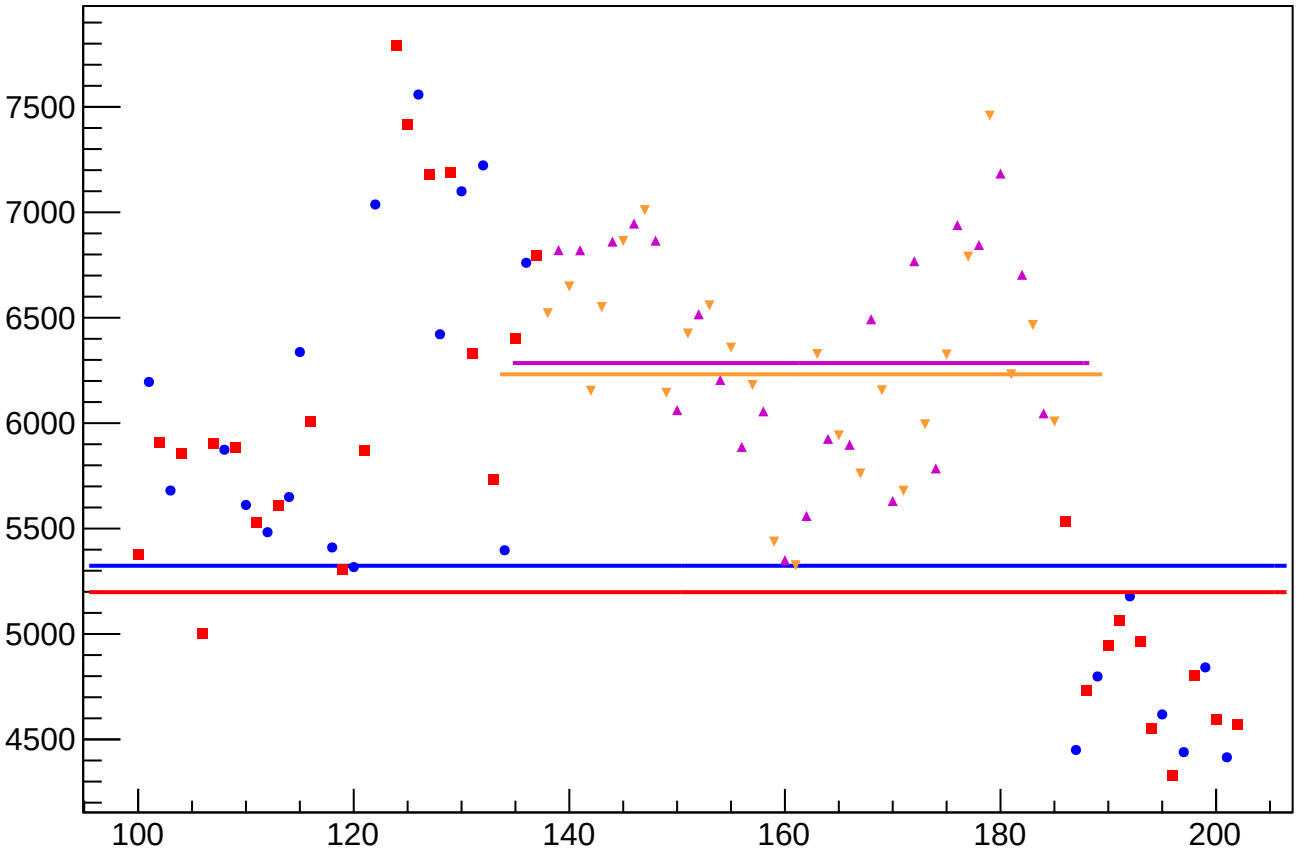
Right Out: 4.196+/-1.380 χ^2/NDF: 54.4/28

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -1.599+/-1.047 χ^2/NDF: 88.0/47

All: 2.921+/-0.726 χ^2/NDF: 213.0/99

- sign 7.125+/-1.009 χ^2/NDF: 89.0/51



Right In: 5323.615+/-1.089 χ^2/NDF: 622613.5/22

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5198.396+/-0.976 χ^2/NDF: 607878.8/28

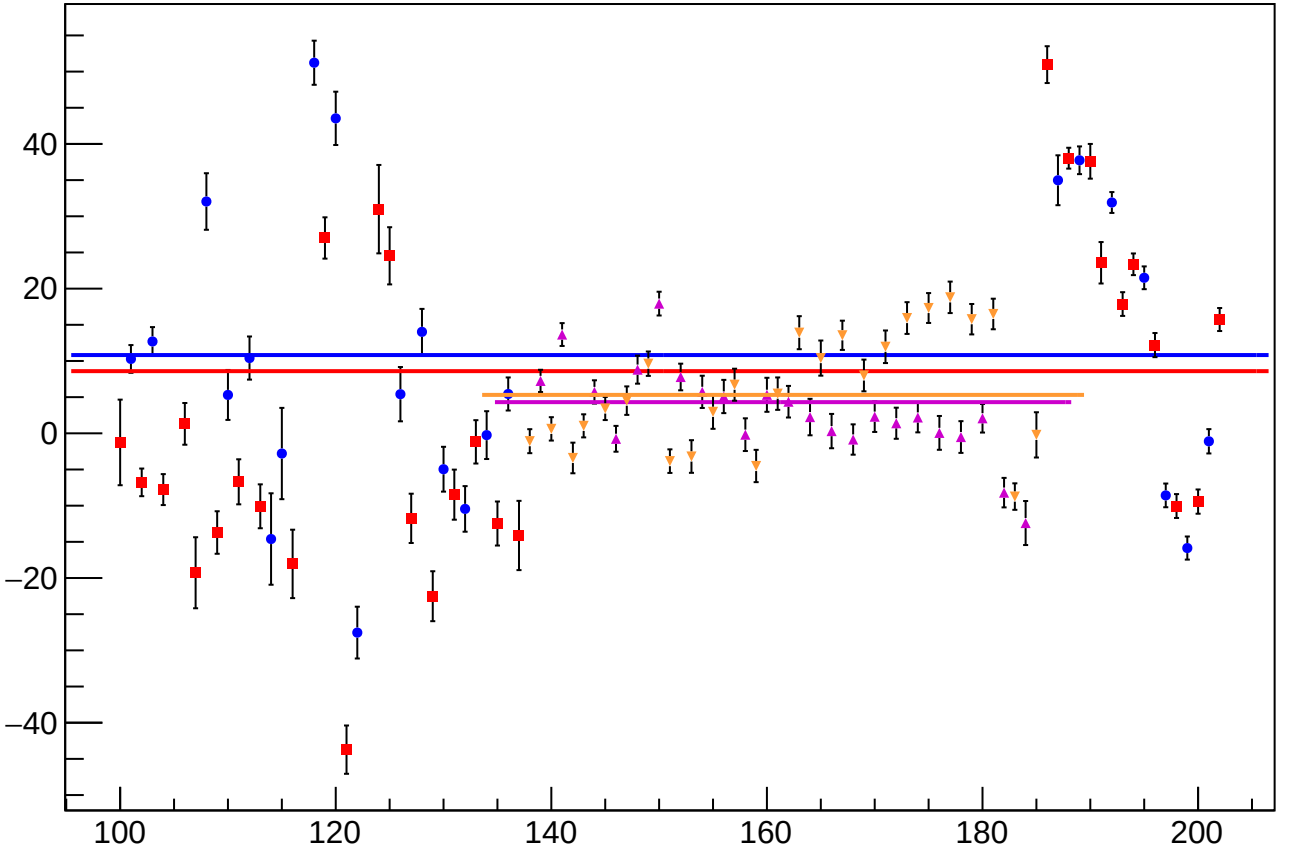
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5812.454+/-0.740 χ^2/NDF: 1223695.2/47

All: 5756.177+/-0.514 χ^2/NDF: 2685000.2/99

- sign 5703.846+/-0.714 χ^2/NDF: 1450144.0/51

diff_bpm0l05Y_mean vs Slug



Right In: 10.819+/-0.493 χ^2/NDF: 1490.2/22

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

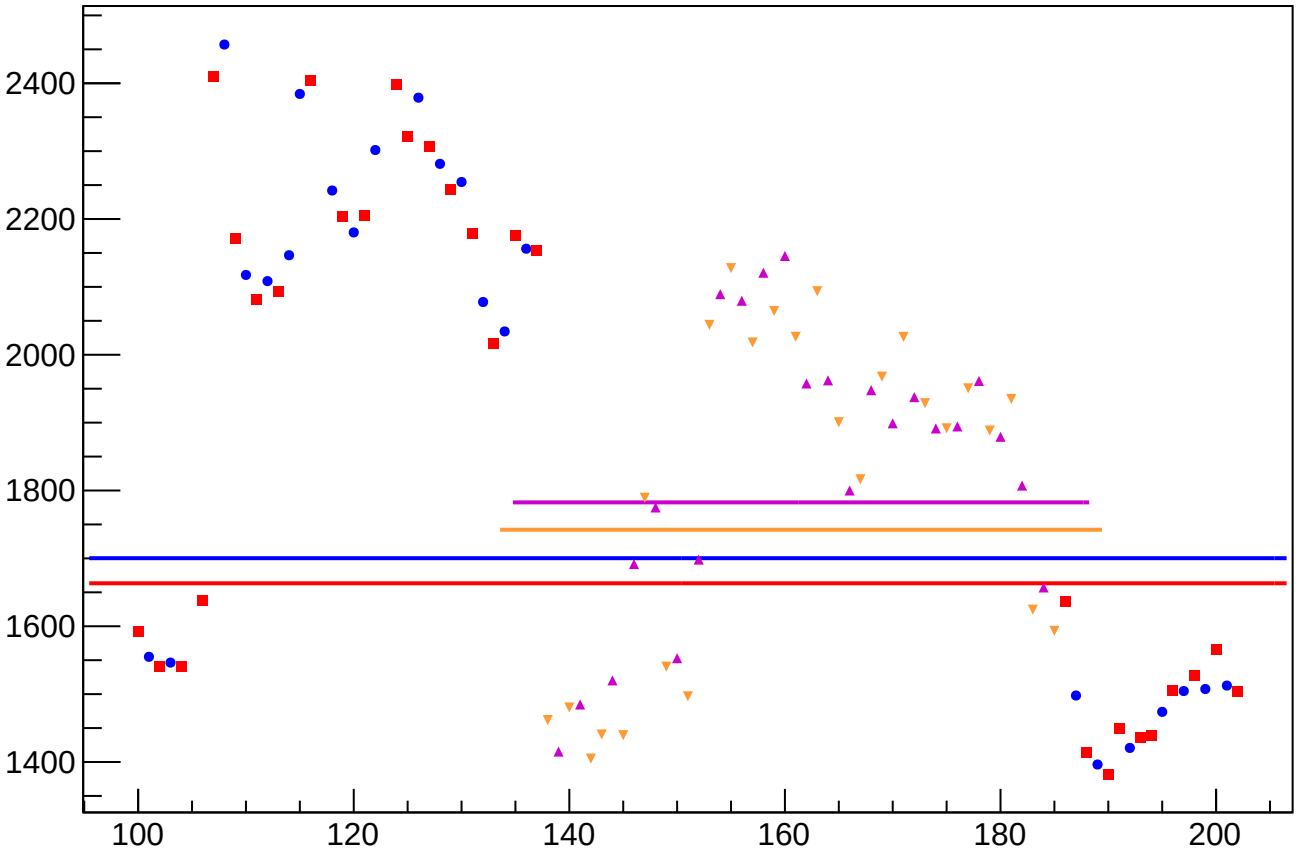
Right Out: 8.595+/-0.443 χ^2/NDF: 2120.0/28

Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 7.501+/-0.311 χ^2/NDF: 1943.5/47

All: 6.909+/-0.218 χ^2/NDF: 4340.4/99

- sign 6.340+/-0.305 χ^2/NDF: 2389.7/51



Right In: 1700.282+/-0.349 χ^2/NDF: 933641.8/22

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1663.315+/-0.313 χ^2/NDF: 973547.2/28

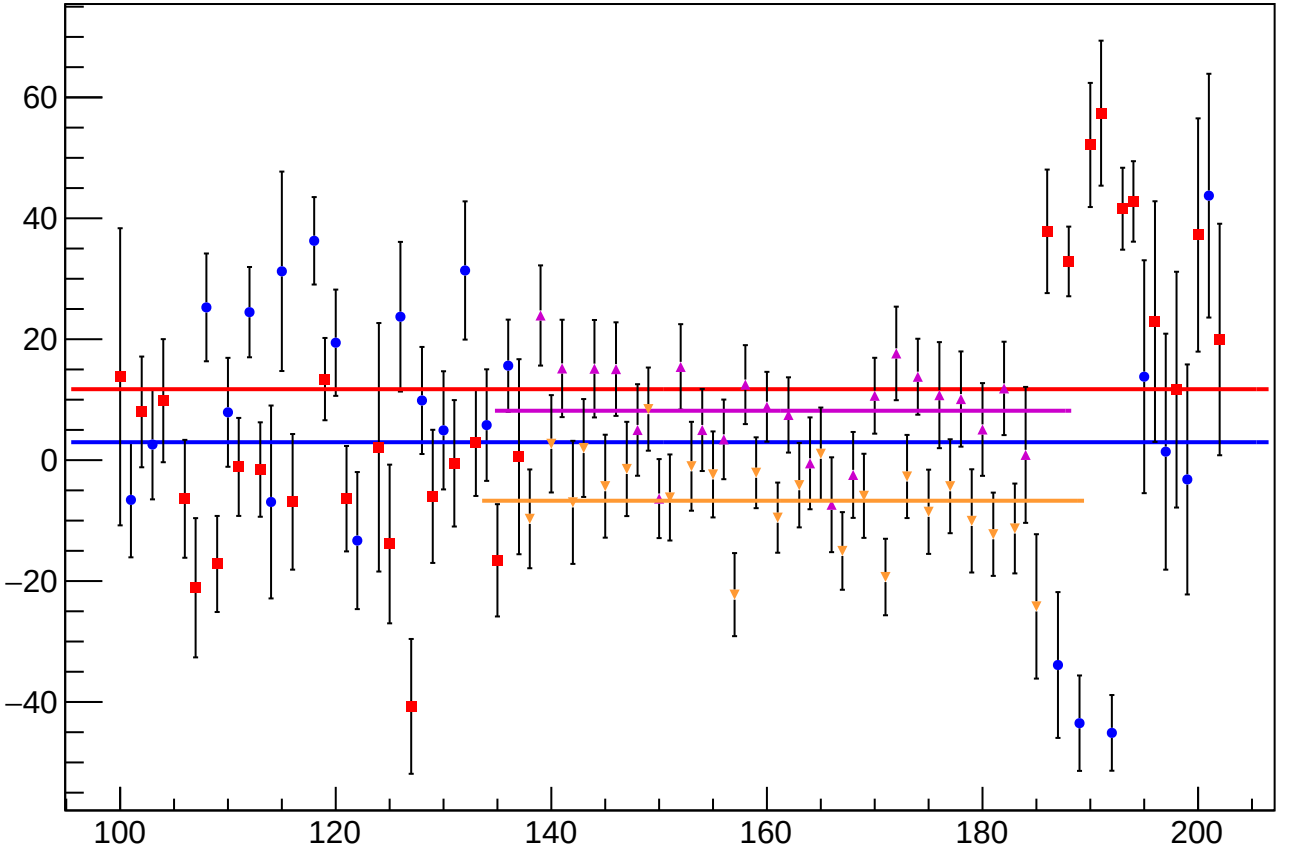
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1725.553+/-0.220 χ^2/NDF: 1710025.3/47

All: 1725.799+/-0.154 χ^2/NDF: 3294226.0/99

- sign 1726.034+/-0.215 χ^2/NDF: 1584198.3/51

diff_bpm0l06X_mean vs Slug



Right In: 2.968+/-2.046 χ^2/NDF: 166.0/22

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 11.736+/-1.812 χ^2/NDF: 171.9/28

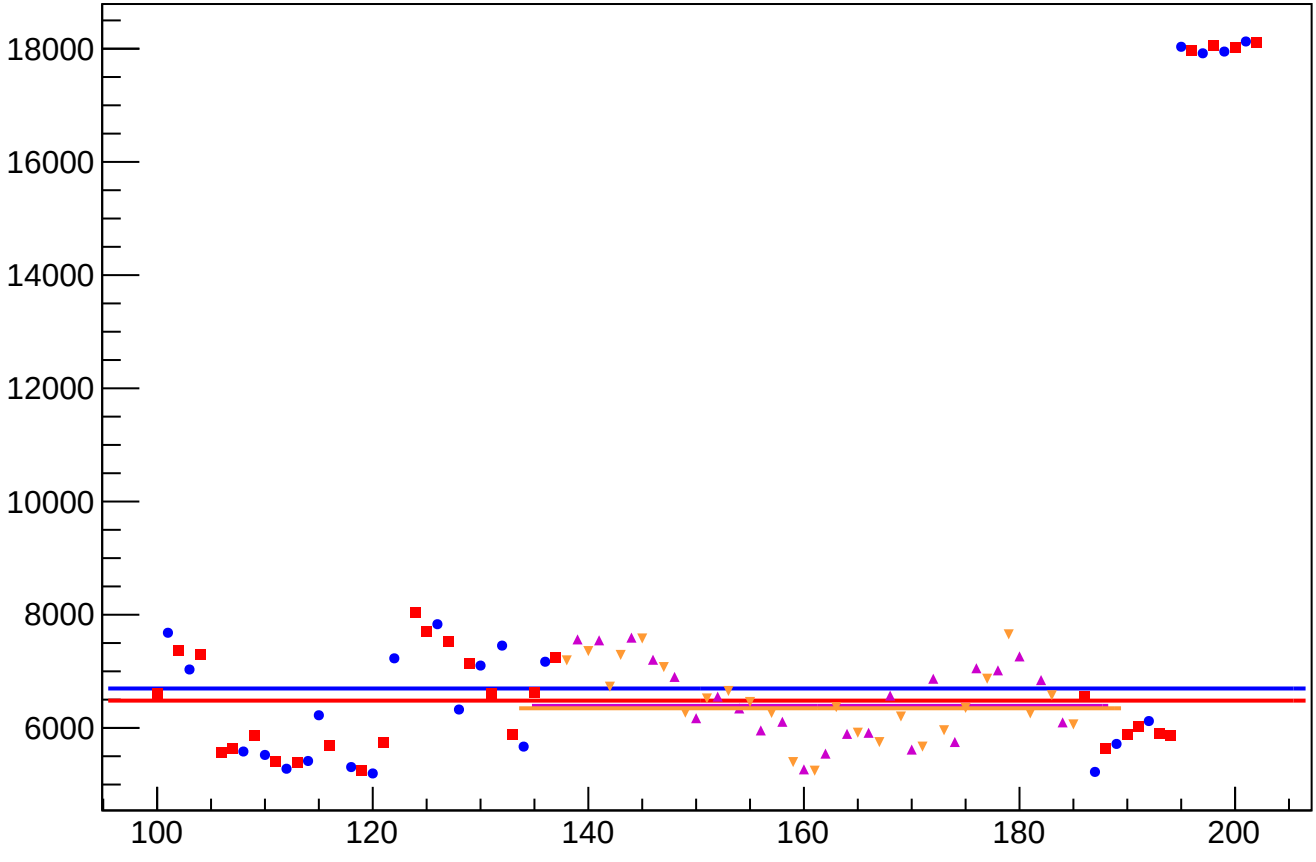
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.453+/-1.187 χ^2/NDF: 206.5/47

All: 3.241+/-0.830 χ^2/NDF: 467.0/99

- sign 9.632+/-1.160 χ^2/NDF: 198.3/51

diff_bpm0l06X_rms vs Slug



Right In: 6696.919+/-1.447 χ^2/NDF: 3152062.8/22

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6482.638+/-1.281 χ^2/NDF: 3214110.0/28

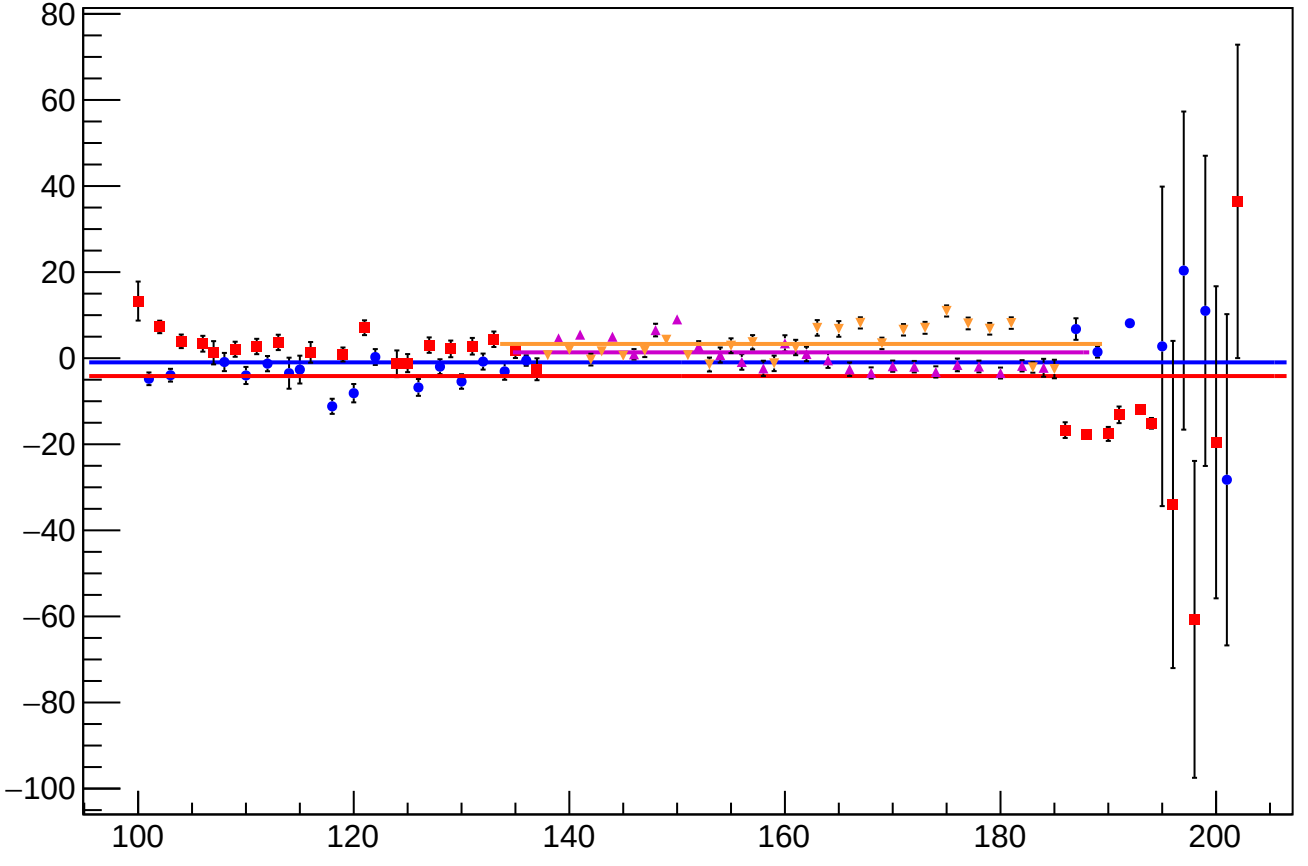
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6465.017+/-0.839 χ^2/NDF: 3576828.3/47

All: 6445.886+/-0.587 χ^2/NDF: 7214832.9/99

- sign 6427.621+/-0.820 χ^2/NDF: 3636989.5/51

diff_bpm0l06Y_mean vs Slug



Right In: -0.968+/-0.386 χ^2/NDF: 179.9/22

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -4.151+/-0.342 χ^2/NDF: 748.8/28

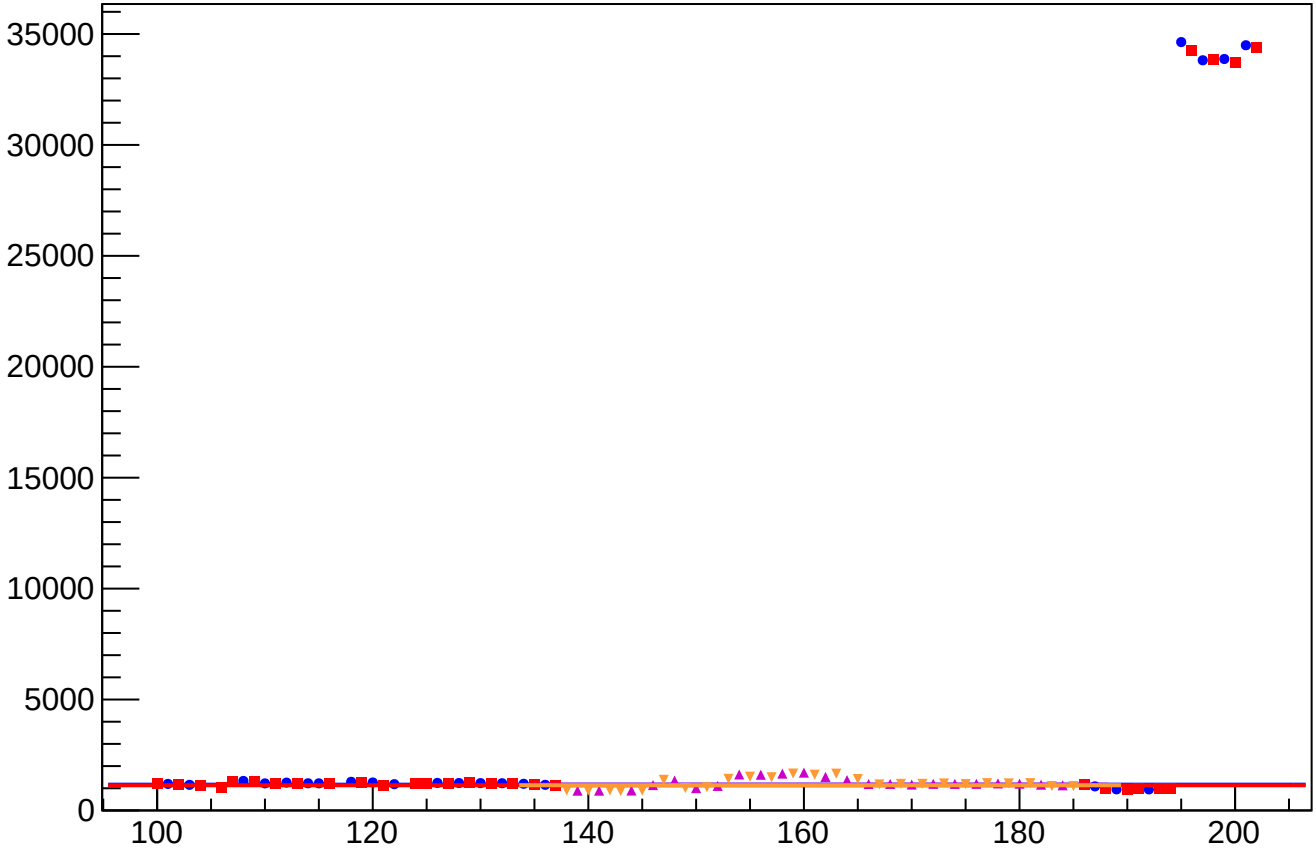
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.944+/-0.218 χ^2/NDF: 441.4/47

All: 0.541+/-0.153 χ^2/NDF: 1624.7/99

- sign -0.823+/-0.215 χ^2/NDF: 1101.7/51

diff_bpm0l06Y_rms vs Slug



Right In: 1162.019+/-0.273 χ^2/NDF: 6538934.9/22

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1134.582+/-0.242 χ^2/NDF: 6601610.5/28

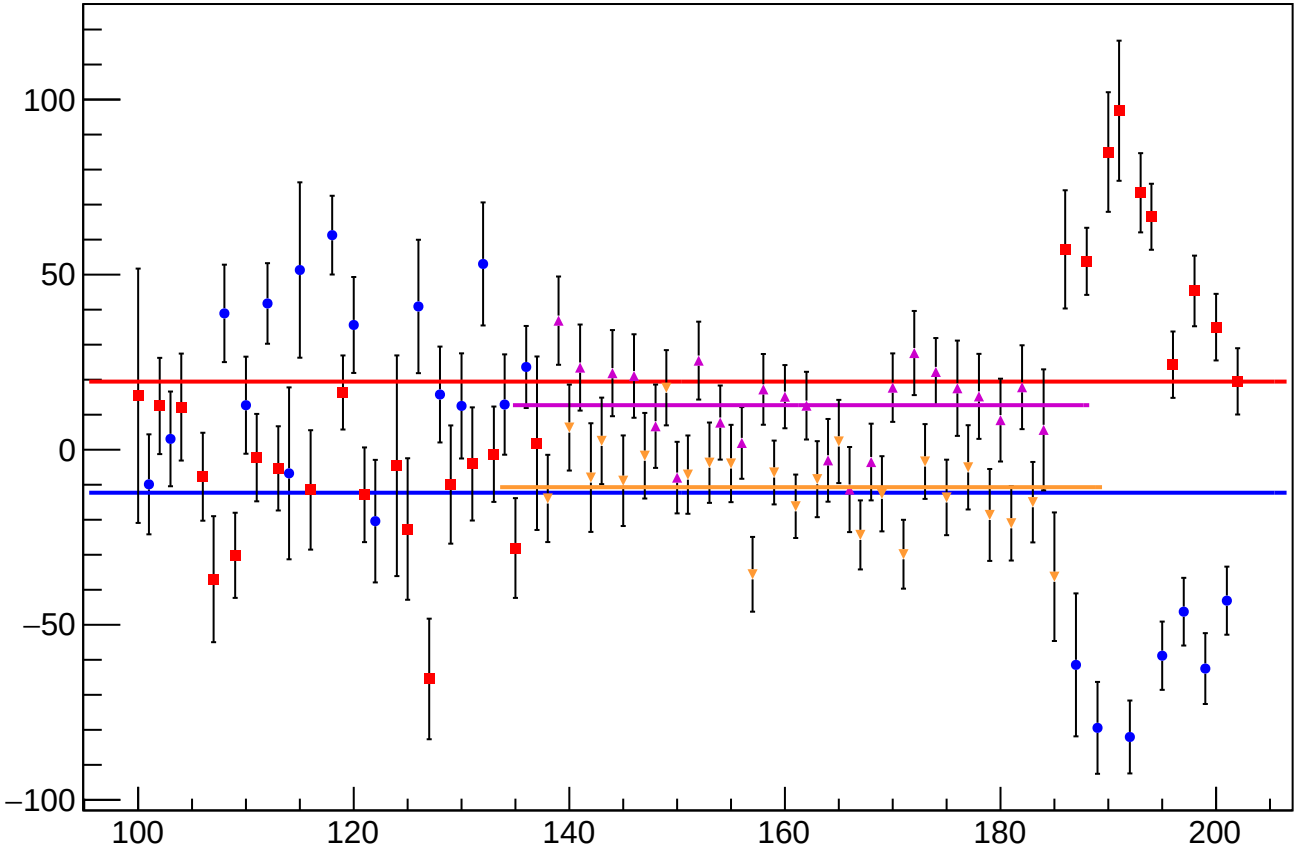
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1145.094+/-0.154 χ^2/NDF: 8014271.2/47

All: 1147.381+/-0.108 χ^2/NDF: 15882489.9/9

- sign 1149.604+/-0.152 χ^2/NDF: 7867785.3/51

diff_bpm0l07X_mean vs Slug



Right In: -12.283+/-2.722 χ^2/NDF: 289.7/22

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

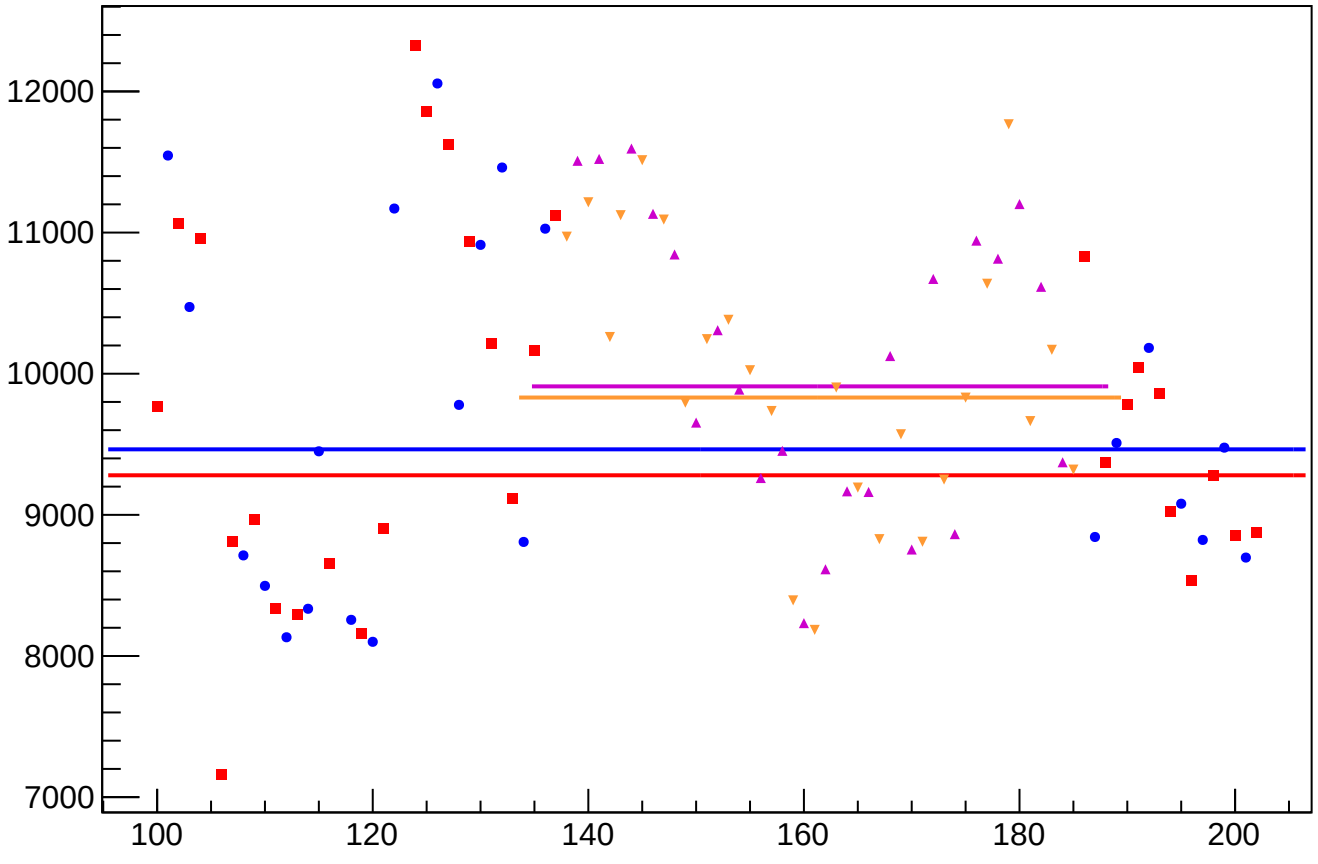
Right Out: 19.453+/-2.451 χ^2/NDF: 201.1/28

Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -11.343+/-1.737 χ^2/NDF: 318.6/47

All: 2.648+/-1.213 χ^2/NDF: 674.1/99

- sign 15.931+/-1.693 χ^2/NDF: 229.1/51



Right In: 9464.175+/-1.925 χ^2/NDF: 320261.5/22

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9280.357+/-1.733 χ^2/NDF: 351202.1/28

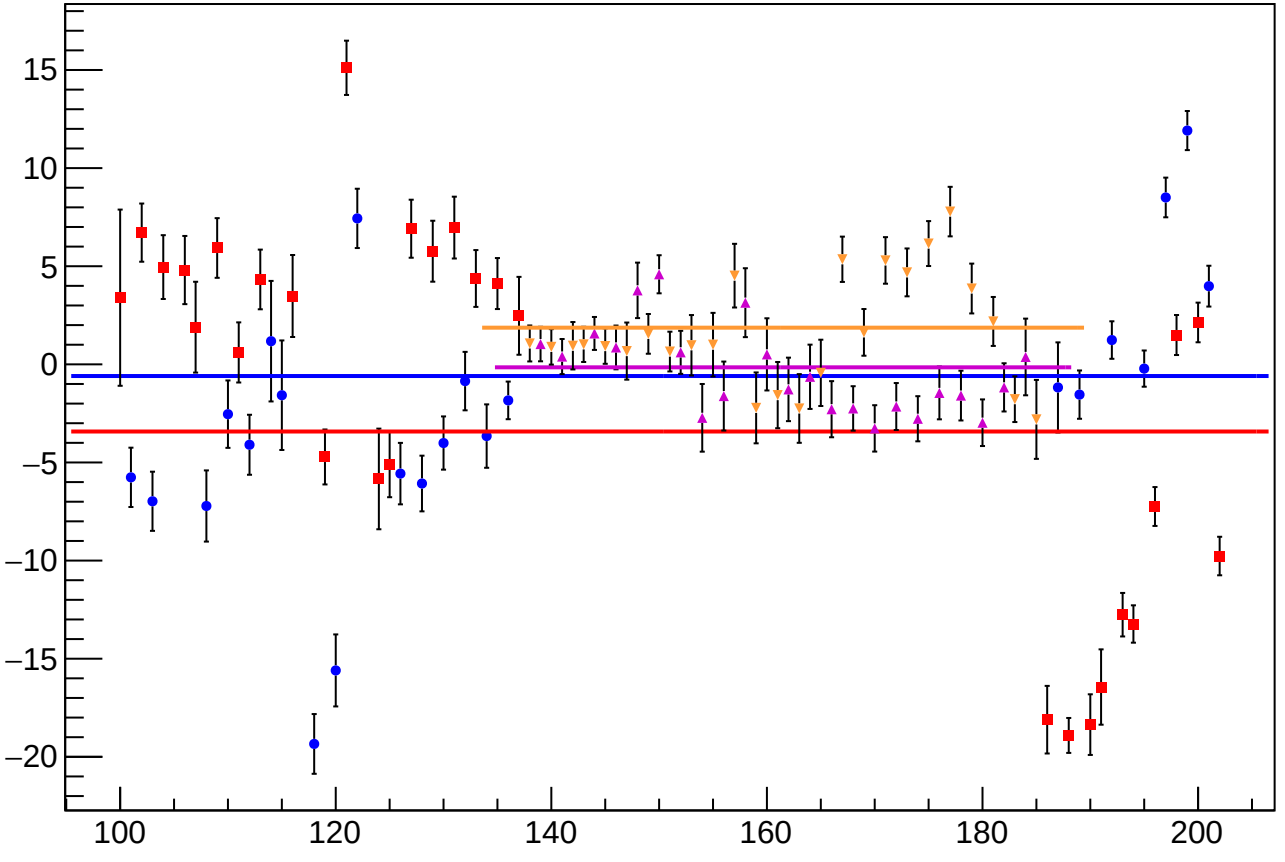
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9681.695+/-1.229 χ^2/NDF: 697946.2/47

All: 9644.834+/-0.857 χ^2/NDF: 1509353.5/99

- sign 9609.838+/-1.197 χ^2/NDF: 809652.5/51

diff_bpm0l07Y_mean vs Slug



Right In: -0.595+/-0.280 χ^2/NDF: 595.8/22

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -3.422+/-0.256 χ^2/NDF: 1368.2/28

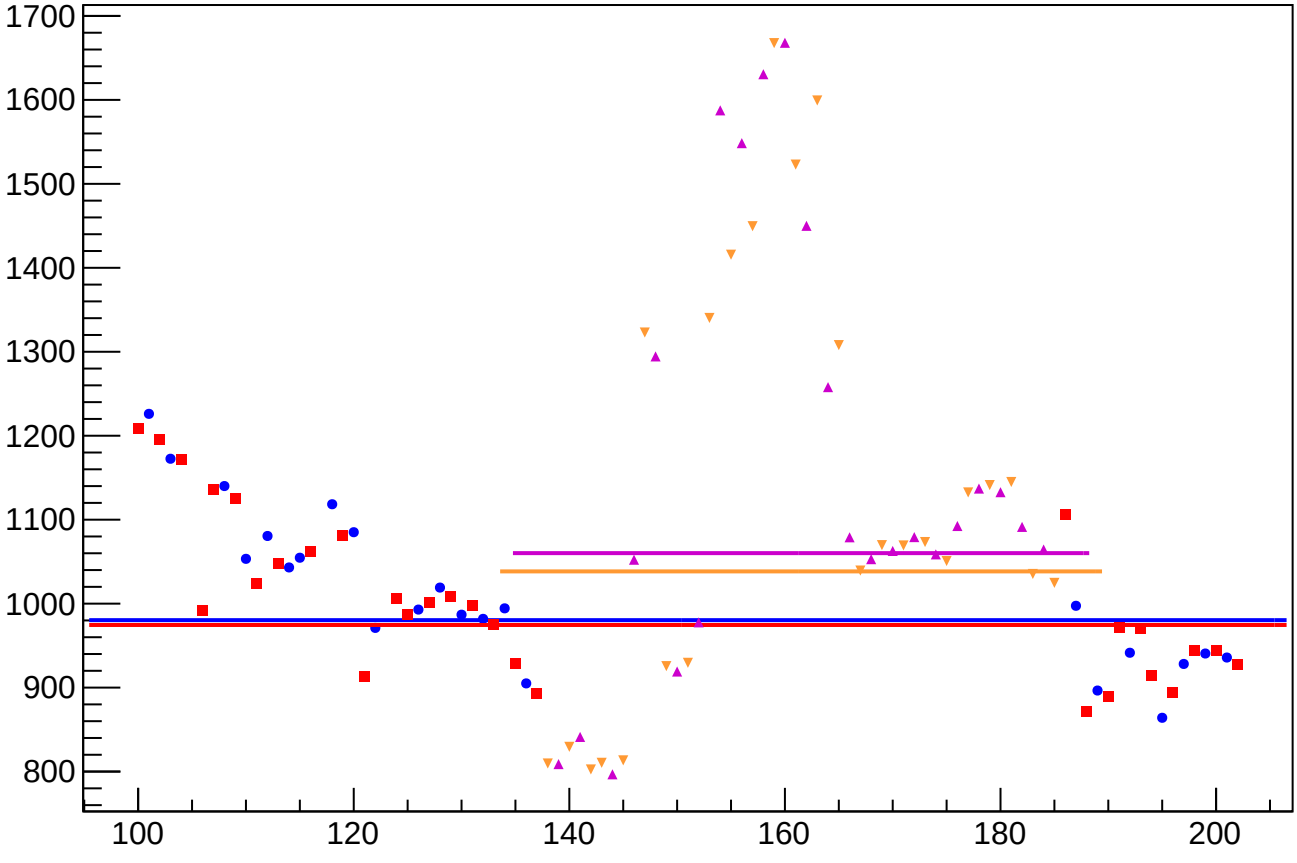
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.812+/-0.183 χ^2/NDF: 743.2/47

All: -0.503+/-0.129 χ^2/NDF: 2370.5/99

- sign -1.778+/-0.180 χ^2/NDF: 1525.9/51

diff_bpm0l07Y_rms vs Slug



Right In: 980.328+/-0.198 χ^2/NDF: 209180.1/22

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 974.586+/-0.181 χ^2/NDF: 216578.9/28

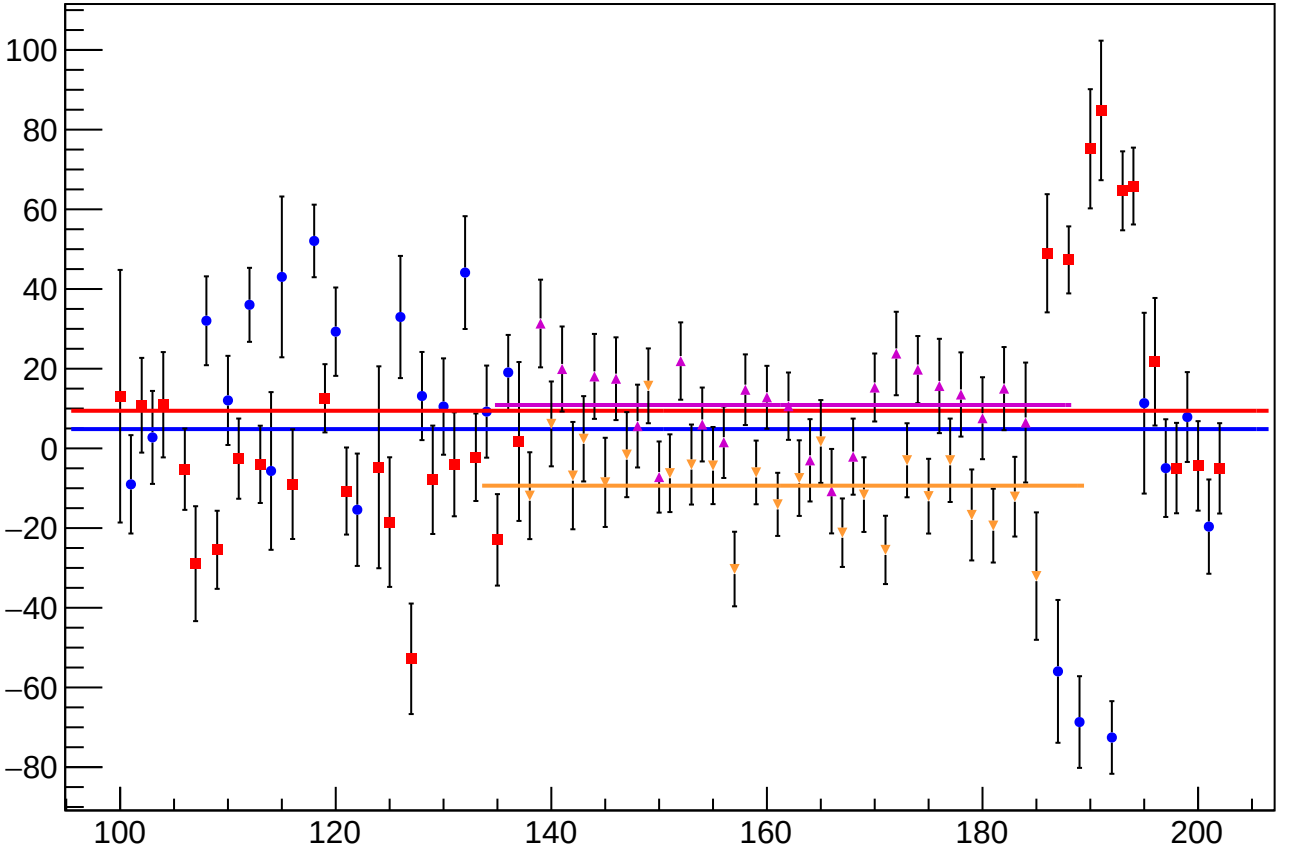
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1013.504+/-0.130 χ^2/NDF: 1964989.4/47

All: 1015.596+/-0.091 χ^2/NDF: 3817724.1/99

- sign 1017.623+/-0.128 χ^2/NDF: 1852222.2/51

diff_bpm0l08X_mean vs Slug



Right In: 4.843+/-2.492 χ^2/NDF: 200.4/22

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 9.442+/-2.229 χ^2/NDF: 201.7/28

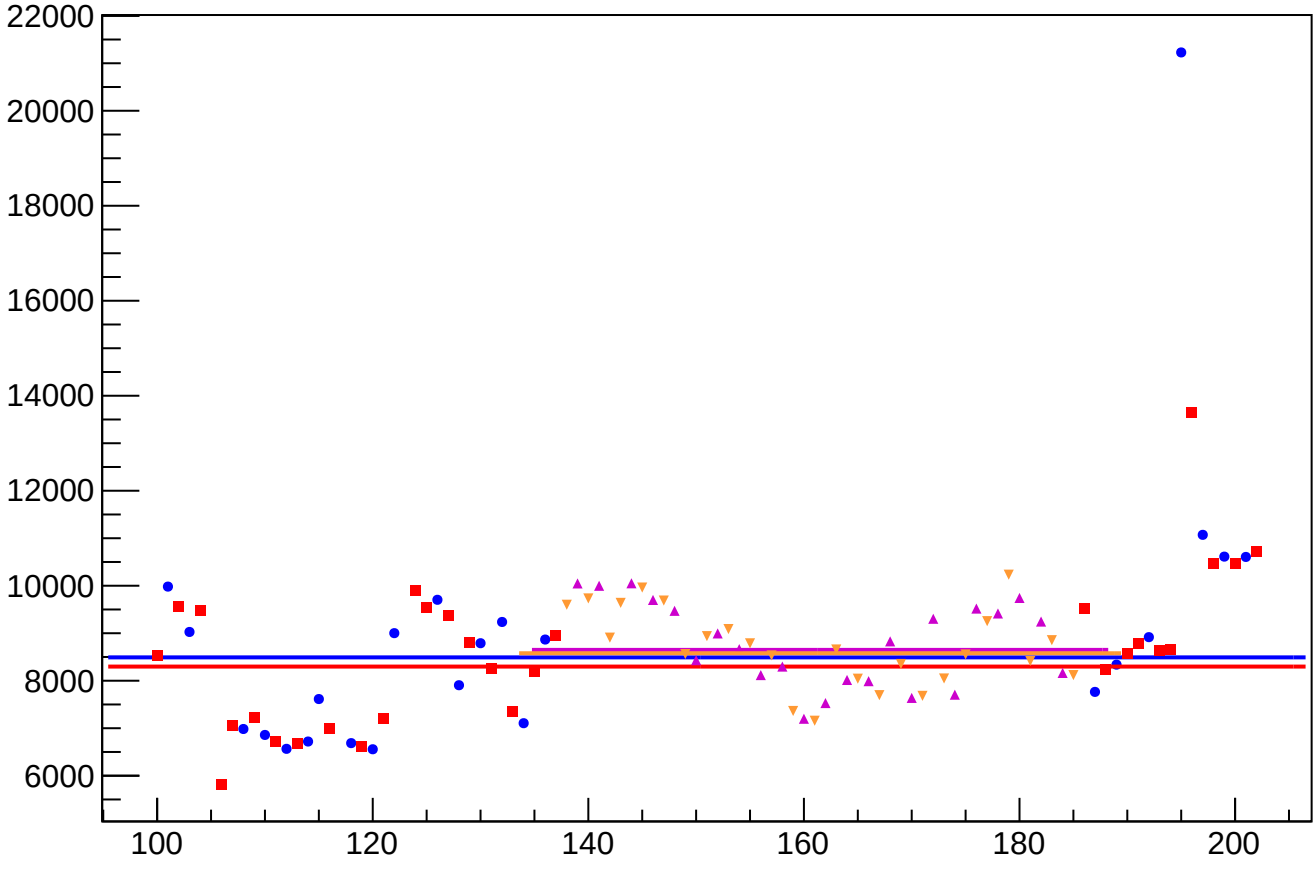
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.897+/-1.545 χ^2/NDF: 248.9/47

All: 3.348+/-1.078 χ^2/NDF: 517.2/99

- sign 10.230+/-1.506 χ^2/NDF: 225.5/51

diff_bpm0l08X_rms vs Slug



Right In: 8491.630+/-1.762 χ^2/NDF: 1278749.9/22

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8297.872+/-1.576 χ^2/NDF: 950277.1/28

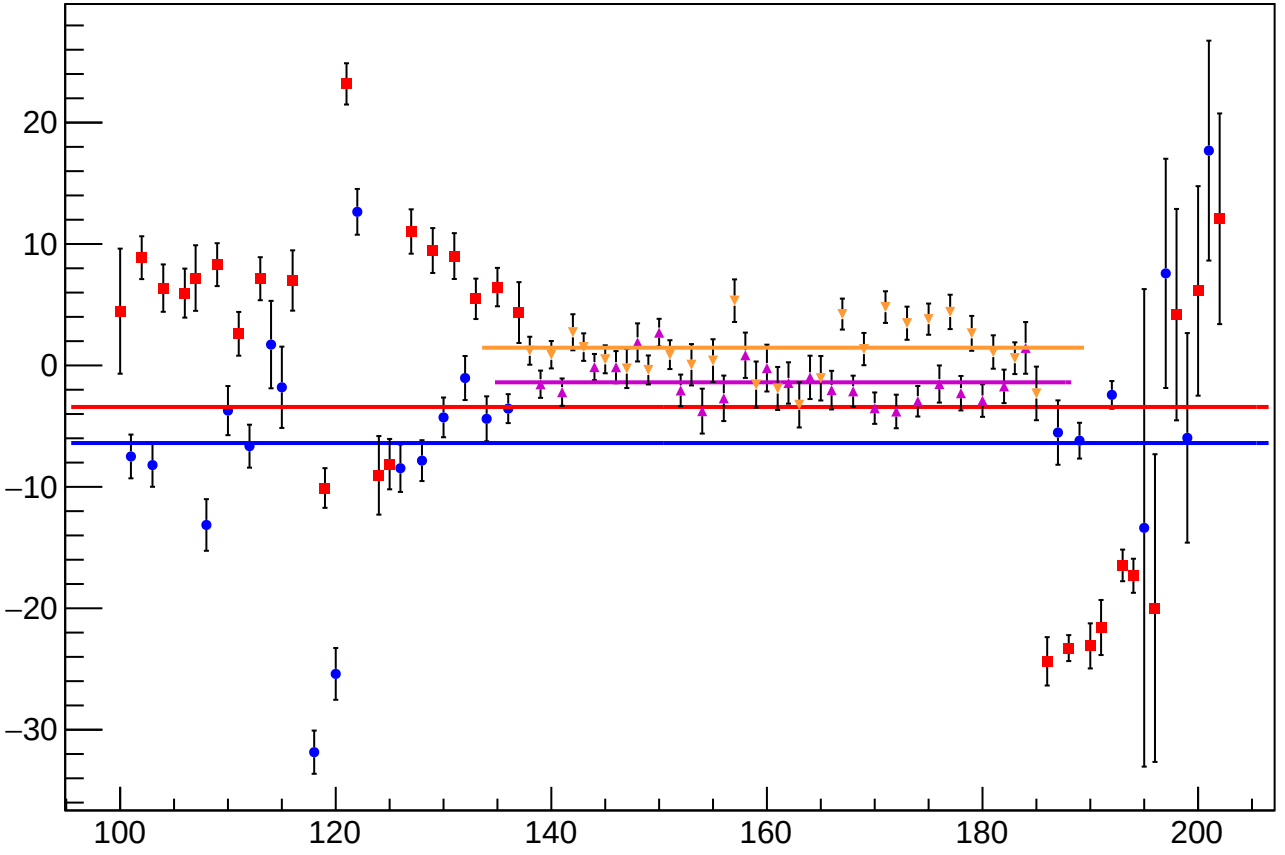
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8545.037+/-1.092 χ^2/NDF: 1623963.9/47

All: 8516.215+/-0.762 χ^2/NDF: 2980548.2/99

- sign 8488.836+/-1.065 χ^2/NDF: 1355227.0/51

diff_bpm0l08Y_mean vs Slug



Right In: -6.389+/-0.405 χ^2/NDF: 446.9/22

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.419+/-0.360 χ^2/NDF: 1561.1/28

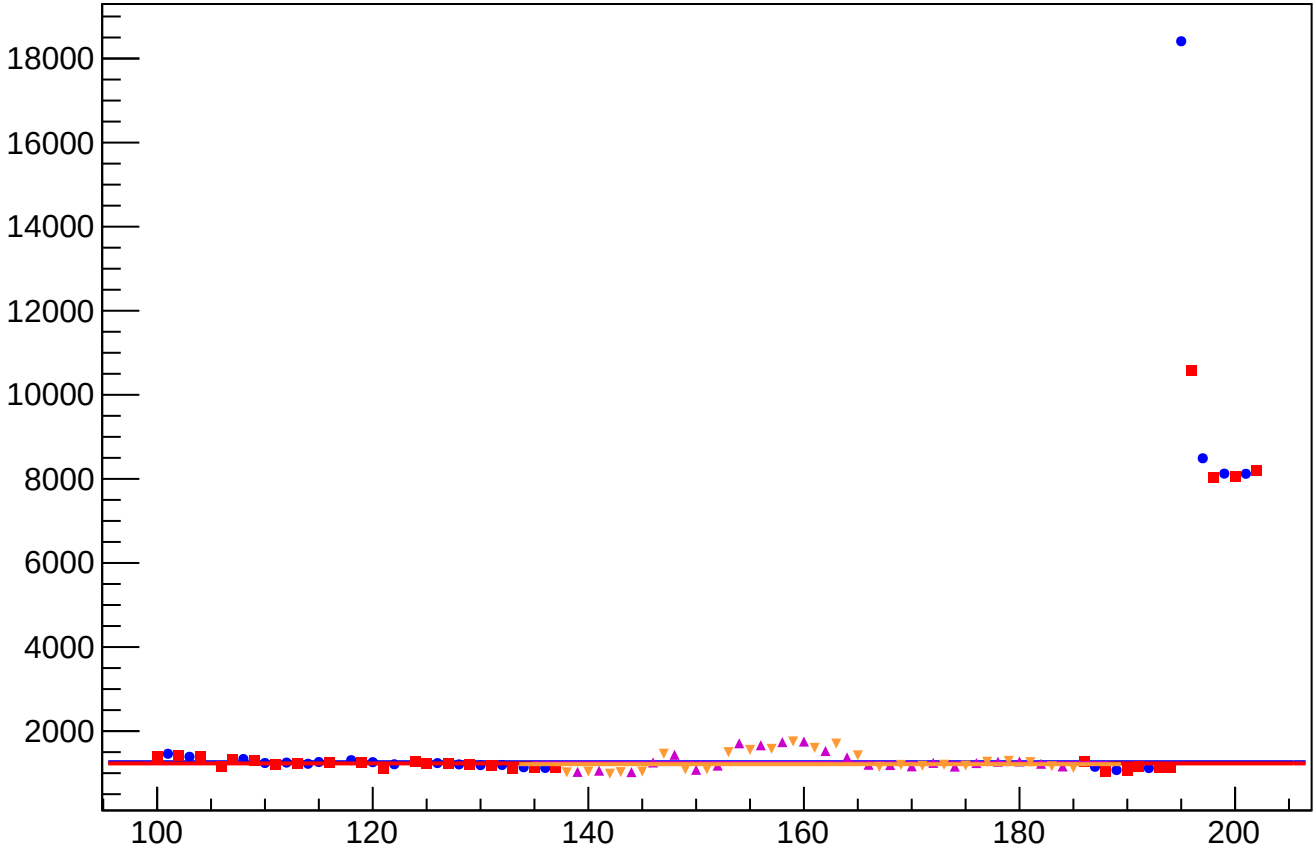
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.083+/-0.231 χ^2/NDF: 751.7/47

All: -1.650+/-0.162 χ^2/NDF: 2379.3/99

- sign -2.202+/-0.228 χ^2/NDF: 1615.7/51

diff_bpm0l08Y_rms vs Slug



Right In: 1260.546+/-0.286 χ^2/NDF: 5258717.3/22

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1231.681+/-0.255 χ^2/NDF: 5029668.7/28

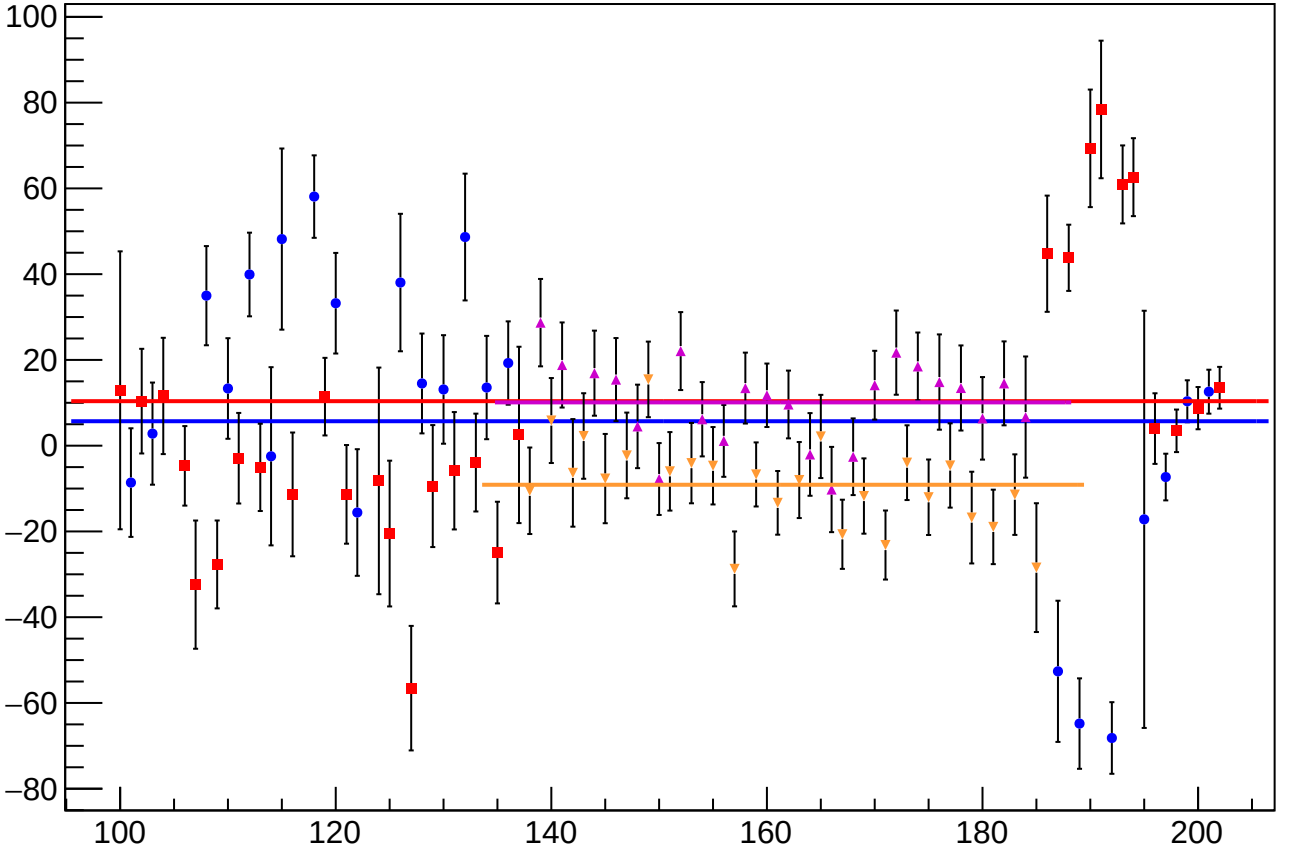
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1228.587+/-0.163 χ^2/NDF: 6289895.7/47

All: 1232.426+/-0.115 χ^2/NDF: 12206775.5/9

- sign 1236.174+/-0.161 χ^2/NDF: 5915784.6/51

diff_bpm0l09X_mean vs Slug



Right In: 5.702+/-2.015 χ^2/NDF: 221.9/22

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 10.379+/-1.786 χ^2/NDF: 202.0/28

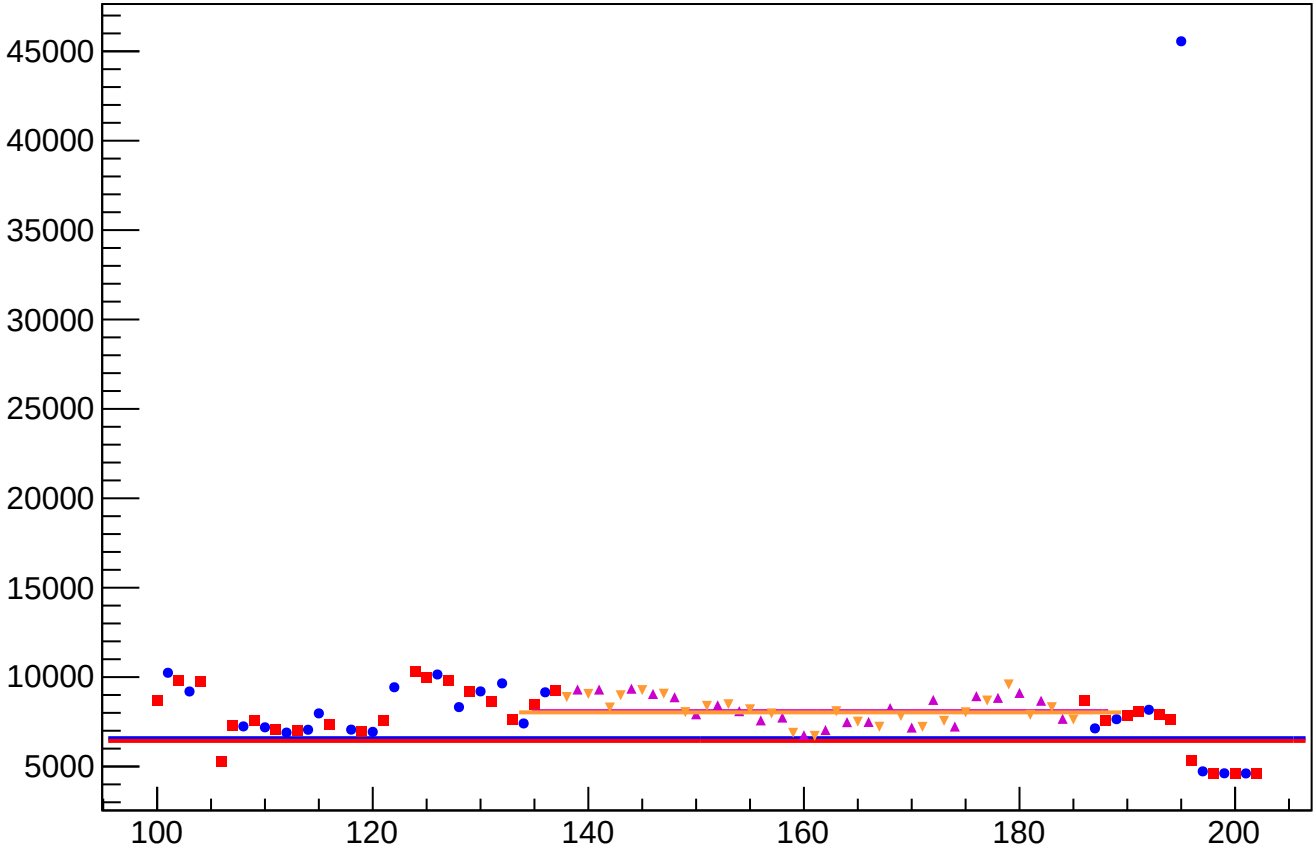
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -2.367+/-1.360 χ^2/NDF: 280.1/47

All: 4.198+/-0.942 χ^2/NDF: 551.2/99

- sign 10.247+/-1.305 χ^2/NDF: 226.4/51

diff_bpm0l09X_rms vs Slug



Right In: 6583.402+/-1.425 χ^2/NDF: 3060952.9/22

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

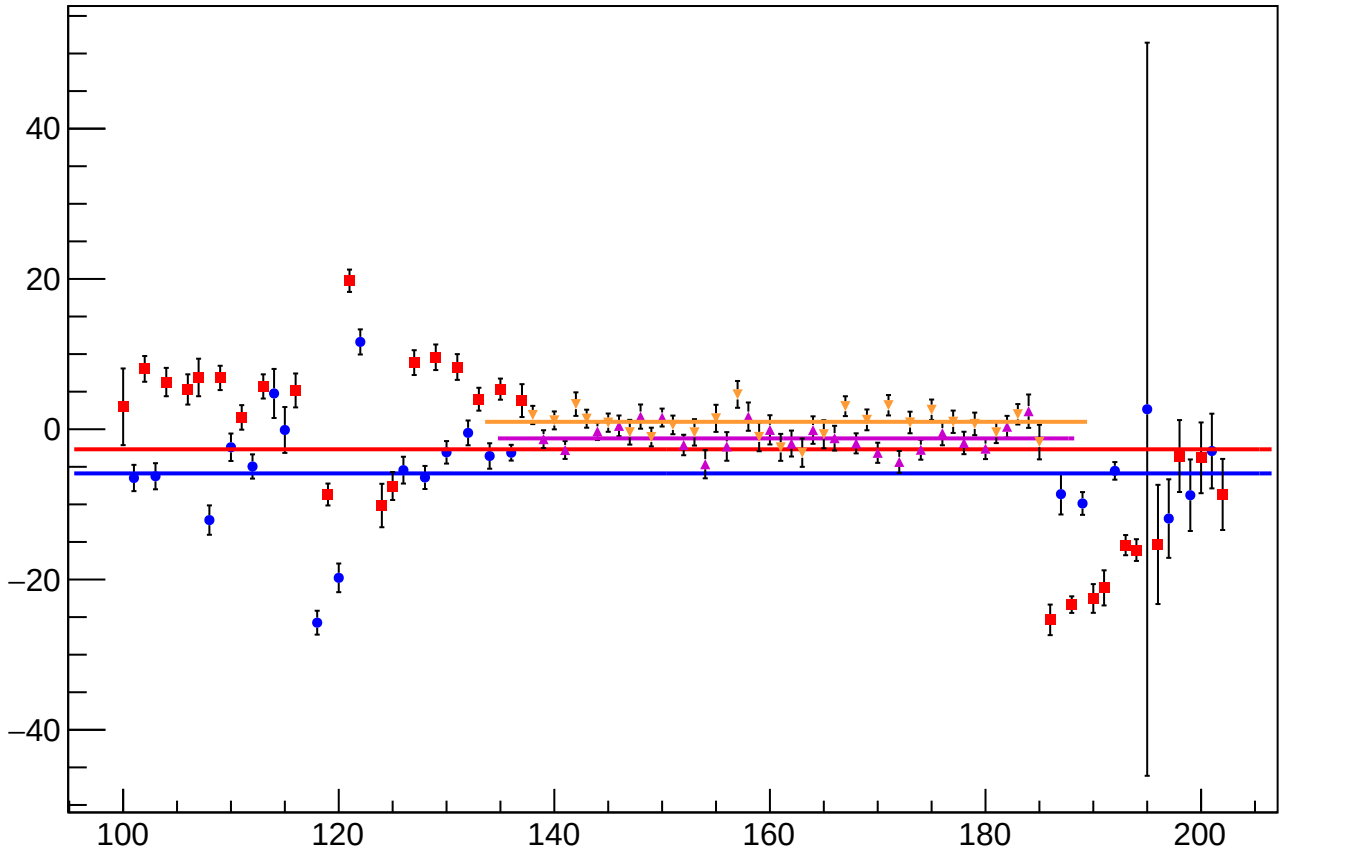
Right Out: 6431.894+/-1.263 χ^2/NDF: 1975824.9/28

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 7370.172+/-0.961 χ^2/NDF: 3953359.2/47

All: 7285.498+/-0.666 χ^2/NDF: 7120176.8/99

- sign 7207.490+/-0.923 χ^2/NDF: 3151915.7/51



Right In: -5.878+/-0.376 χ^2/NDF: 380.7/22

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -2.670+/-0.340 χ^2/NDF: 1460.4/28

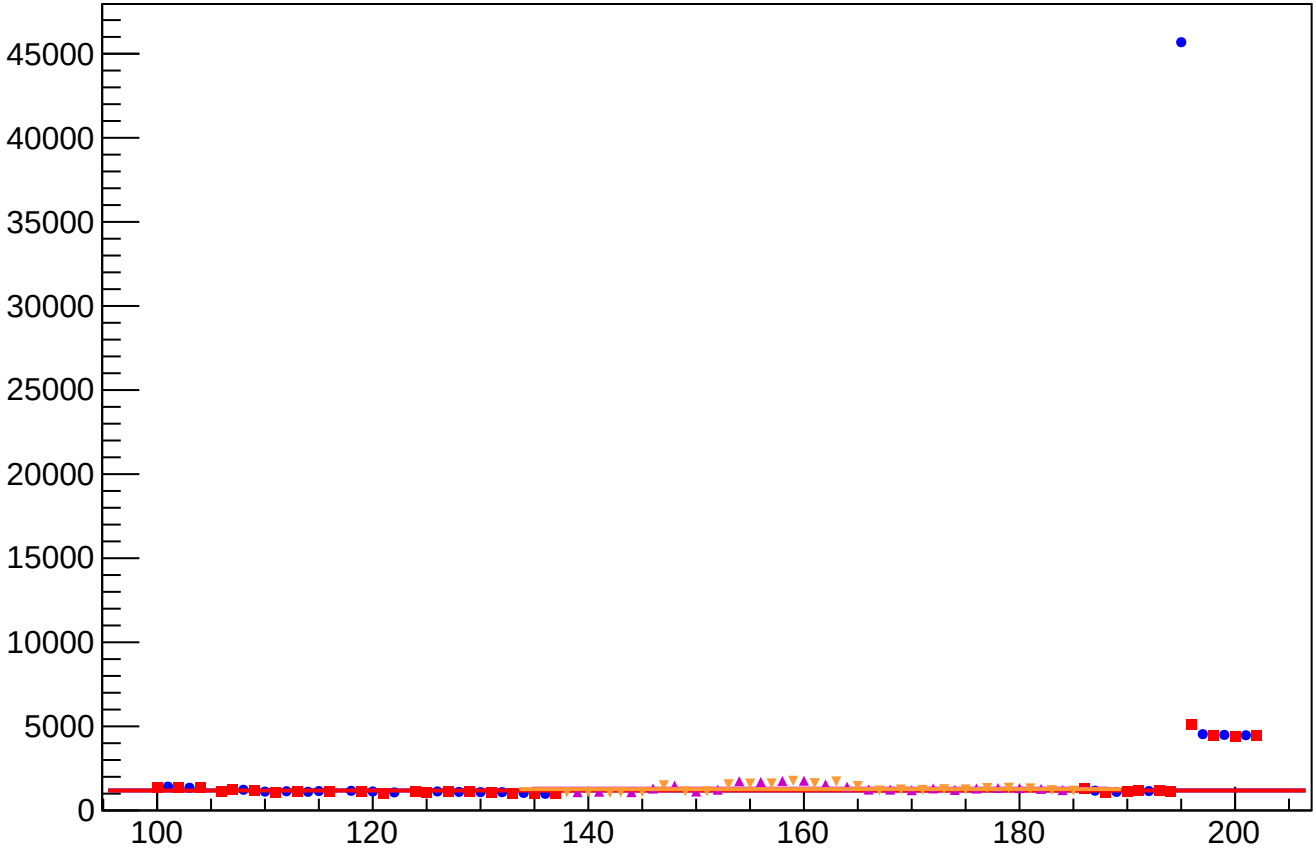
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.597+/-0.231 χ^2/NDF: 619.4/47

All: -1.735+/-0.162 χ^2/NDF: 2123.7/99

- sign -1.869+/-0.228 χ^2/NDF: 1503.5/51

diff_bpm0l09Y_rms vs Slug



Right In: 1190.051+/-0.266 χ^2/NDF: 4513495.9/22

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1185.964+/-0.241 χ^2/NDF: 3540158.6/28

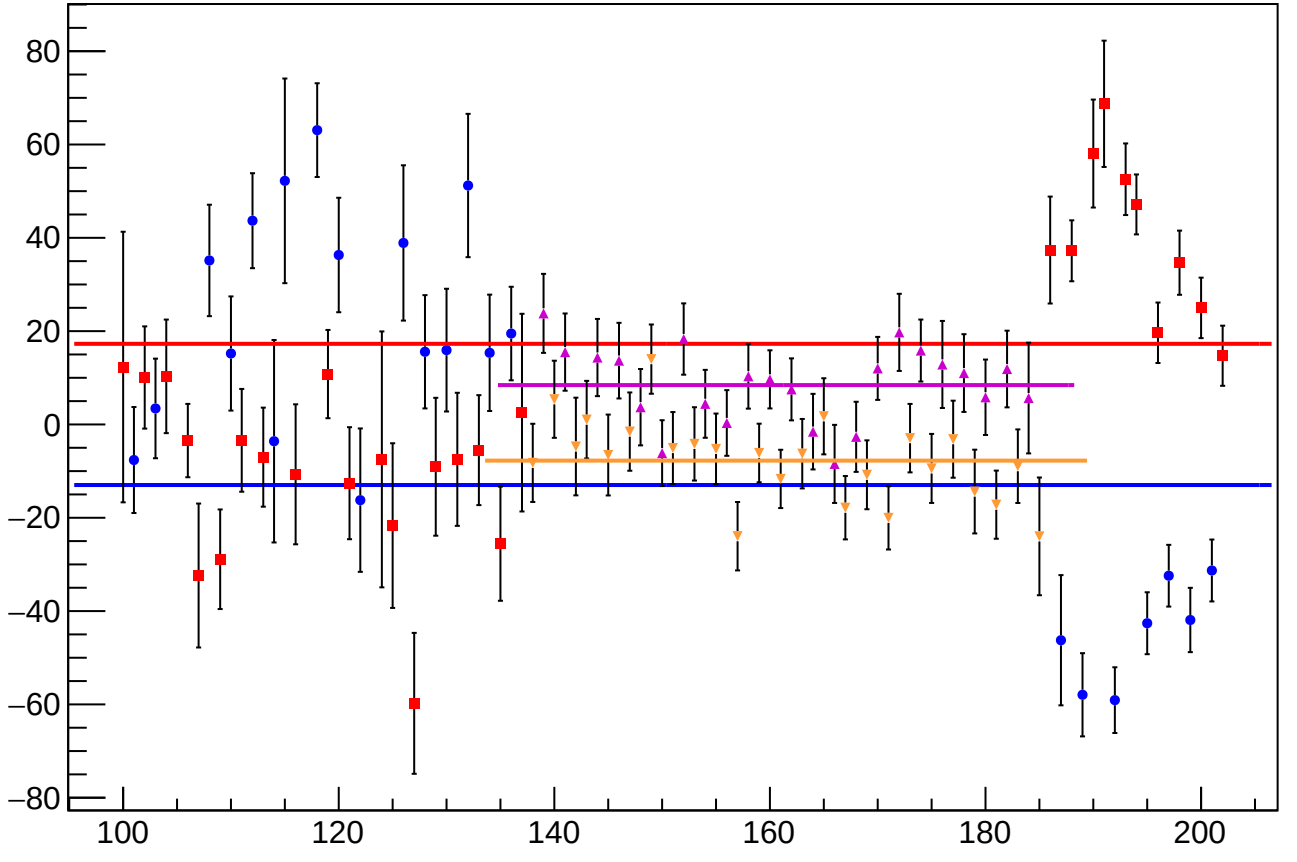
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1238.276+/-0.163 χ^2/NDF: 5444653.2/47

All: 1241.997+/-0.115 χ^2/NDF: 9855512.7/99

- sign 1245.618+/-0.161 χ^2/NDF: 4409834.0/51

diff_bpm0l10X_mean vs Slug



Right In: -12.982+/-2.090 χ^2/NDF: 318.6/22

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 17.284+/-1.833 χ^2/NDF: 200.3/28

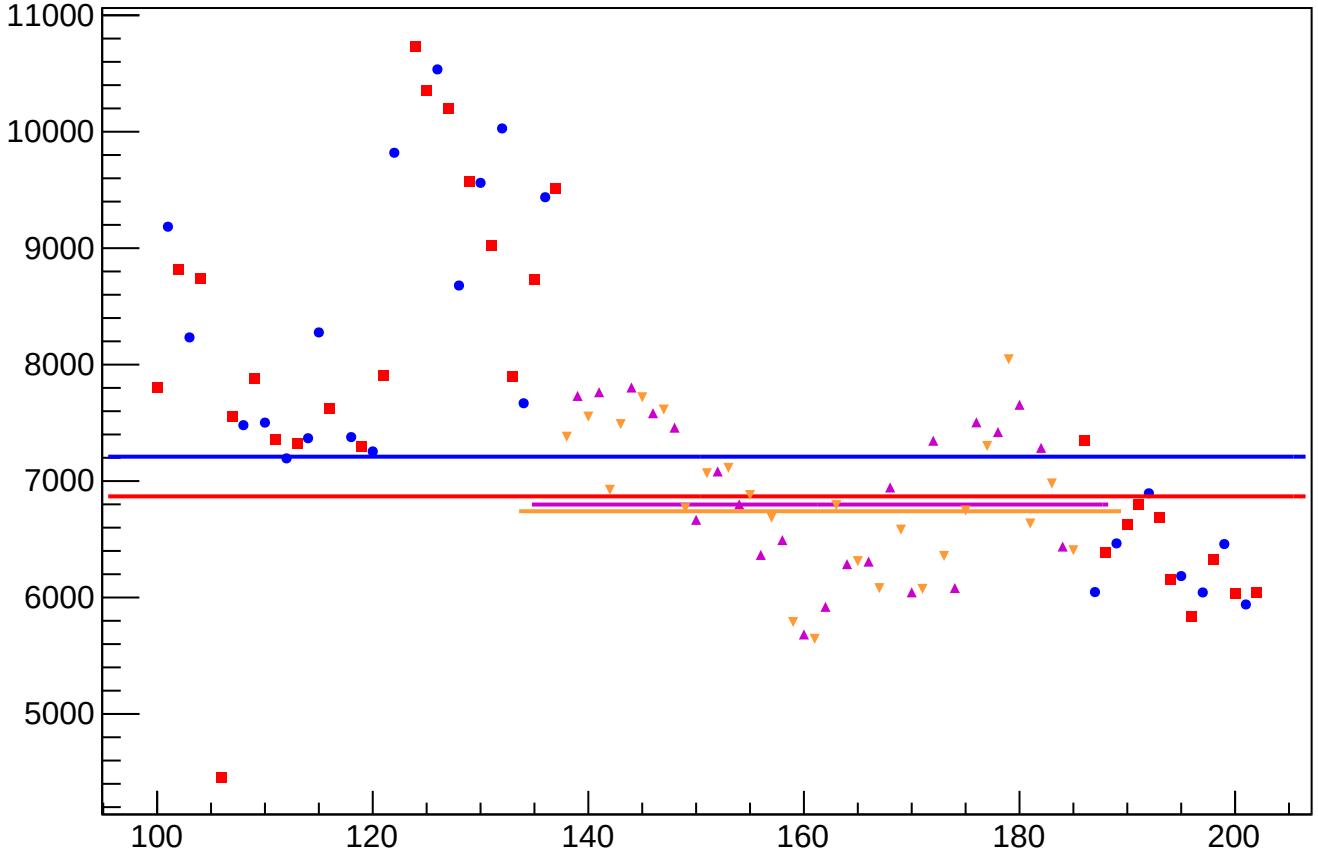
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -9.602+/-1.243 χ^2/NDF: 353.1/47

All: 1.658+/-0.866 χ^2/NDF: 750.7/99

- sign 12.276+/-1.207 χ^2/NDF: 238.3/51

diff_bpm0l10X_rms vs Slug



Right In: 7209.578+/-1.478 χ^2/NDF: 724759.6/22

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6868.630+/-1.296 χ^2/NDF: 944899.5/28

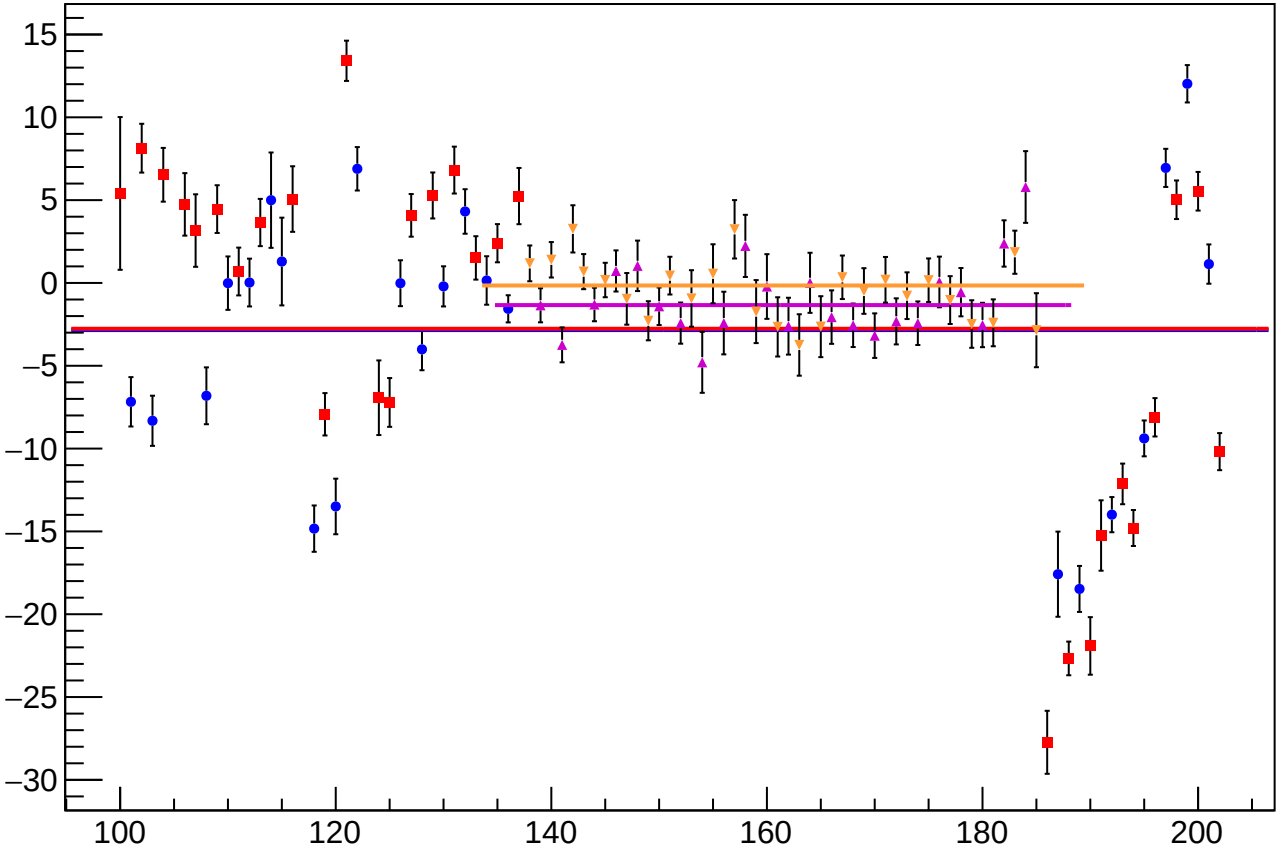
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6906.663+/-0.879 χ^2/NDF: 1106459.4/47

All: 6866.662+/-0.612 χ^2/NDF: 2410315.4/99

- sign 6828.945+/-0.854 χ^2/NDF: 1299833.7/51

diff_bpm0l10Y_mean vs Slug



Right In: -2.845+/-0.279 χ^2/NDF: 821.0/22

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -2.766+/-0.261 χ^2/NDF: 1600.3/28

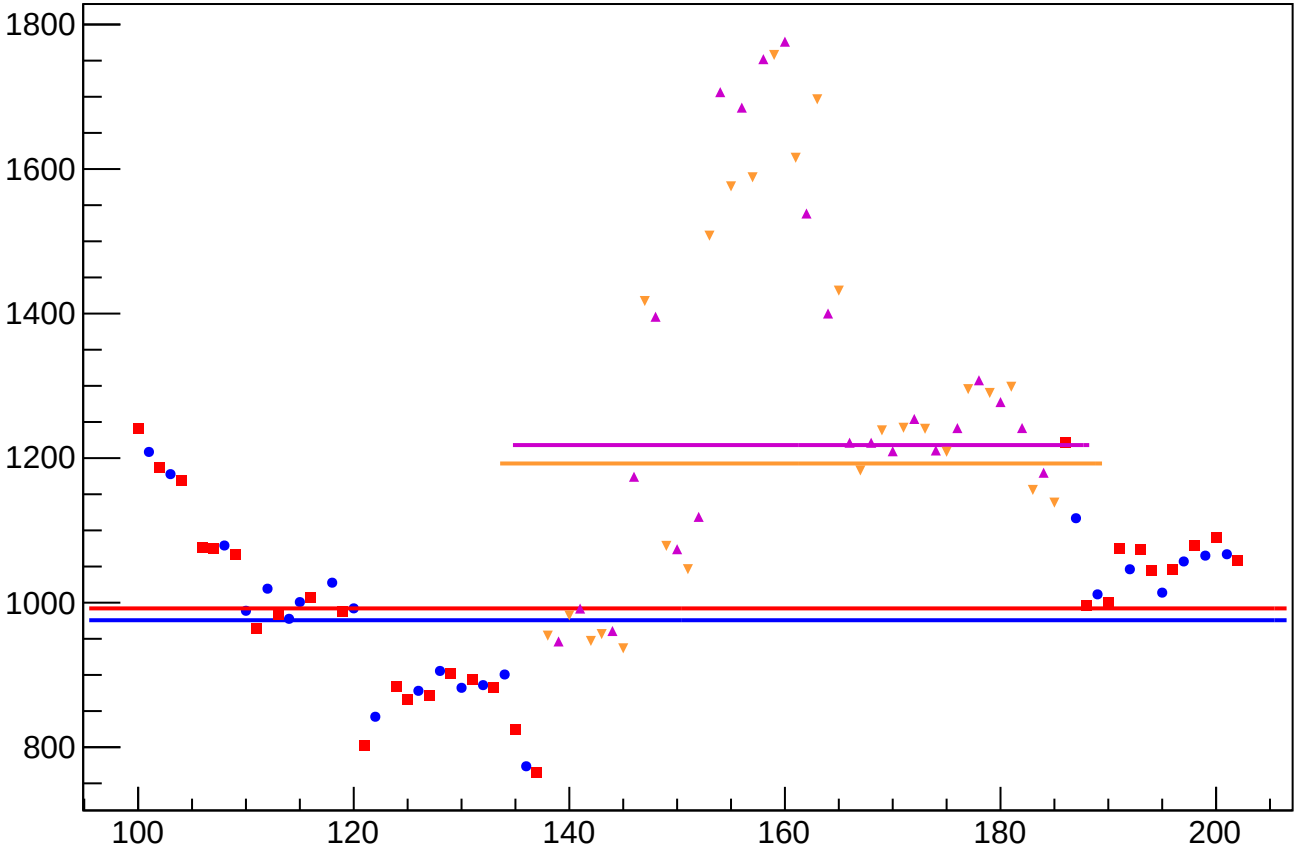
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.485+/-0.197 χ^2/NDF: 904.0/47

All: -1.810+/-0.138 χ^2/NDF: 2567.1/99

- sign -2.126+/-0.194 χ^2/NDF: 1657.7/51

diff_bpm0l10Y_rms vs Slug



Right In: 975.699+/-0.198 χ^2/NDF: 334433.0/22

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 992.063+/-0.185 χ^2/NDF: 356608.5/28

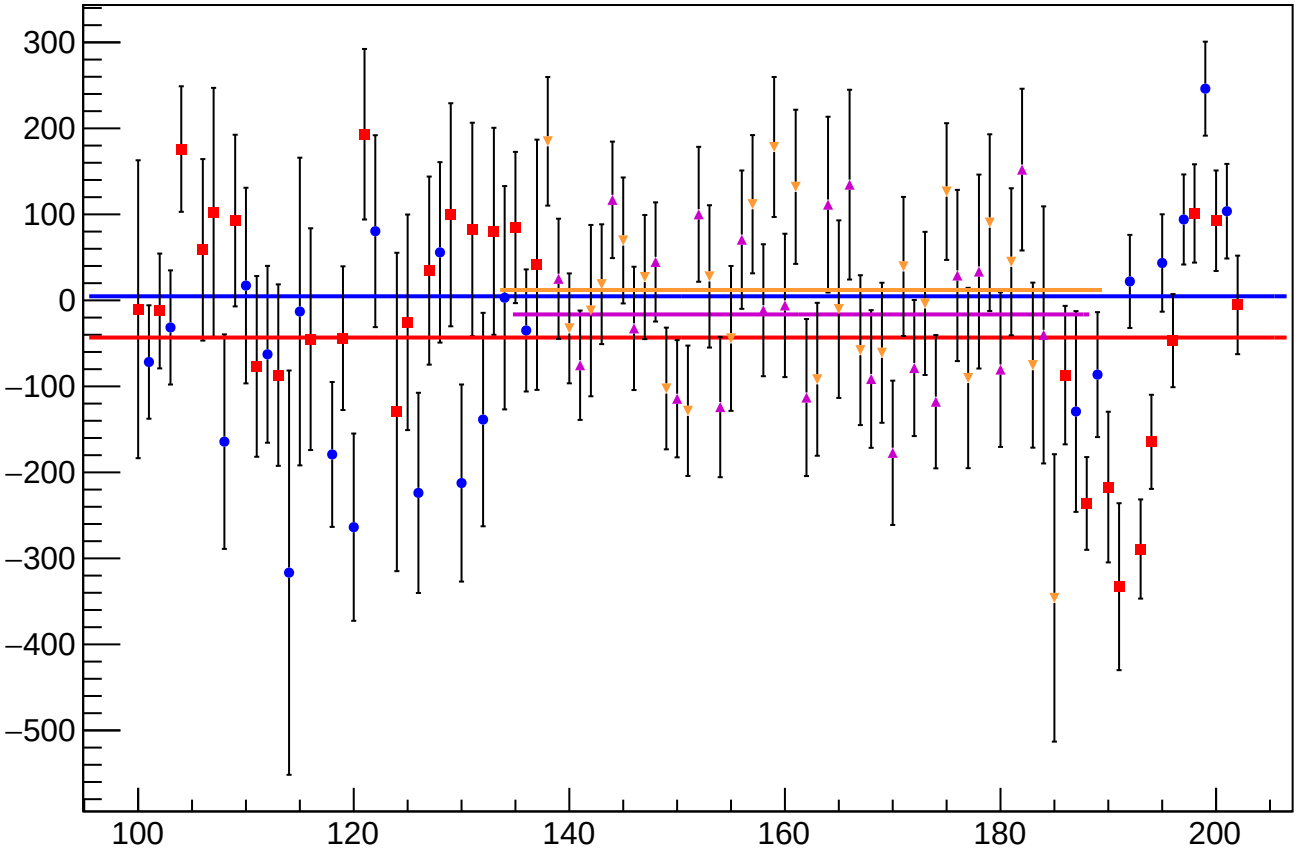
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1085.216+/-0.139 χ^2/NDF: 2262850.9/47

All: 1089.267+/-0.098 χ^2/NDF: 4419273.6/99

- sign 1093.215+/-0.137 χ^2/NDF: 2154746.3/51

diff_bpm0r03X_mean vs Slug



Right In: 4.756+/-16.765 χ^2/NDF: 55.6/22

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

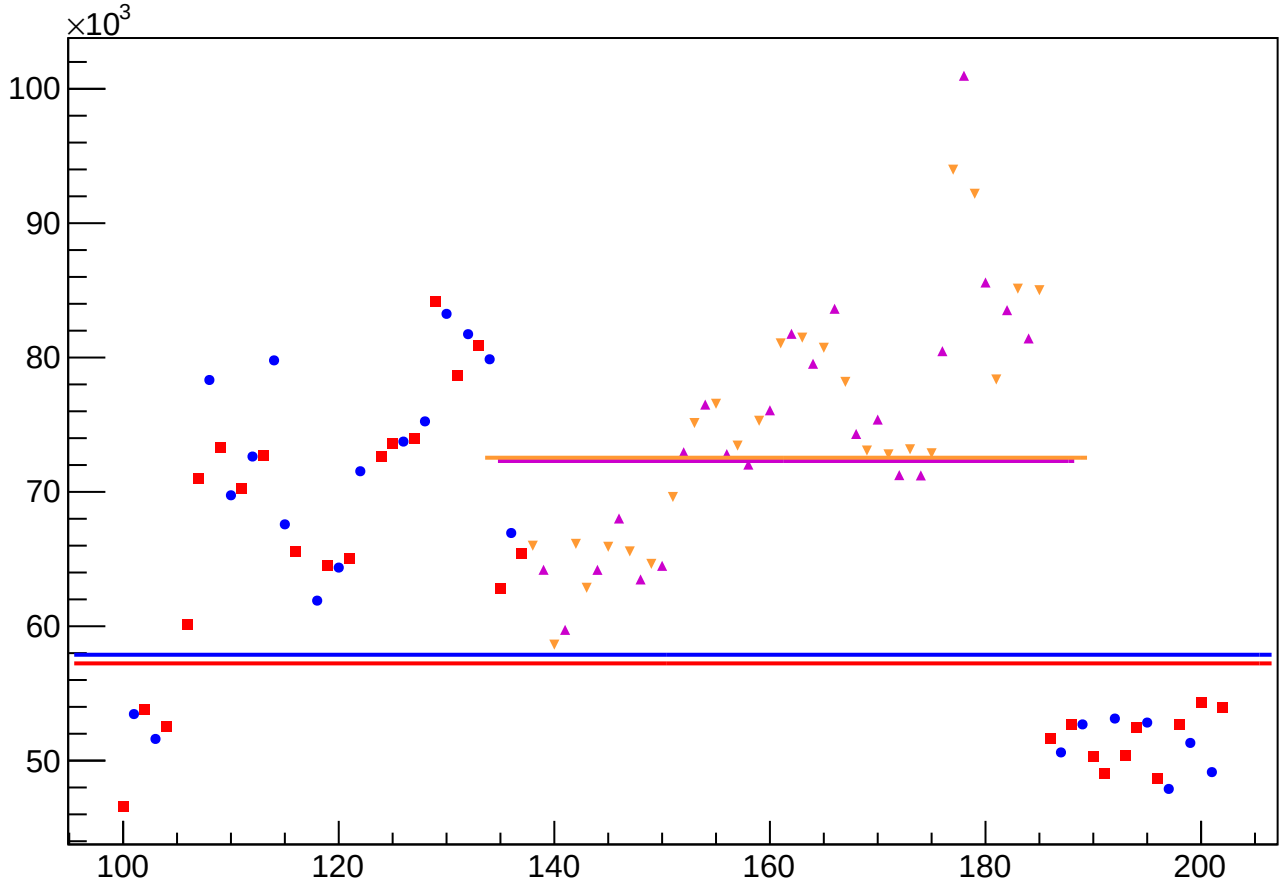
Right Out: -43.214+/-15.197 χ^2/NDF: 86.8/28

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign 8.453+/-11.799 χ^2/NDF: 88.5/47

All: -12.215+/-8.174 χ^2/NDF: 211.2/99

- sign -31.290+/-11.335 χ^2/NDF: 116.9/51



Right In: 57879.155+/-11.855 χ^2/NDF: 763648.6/22

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 57235.959+/-10.746 χ^2/NDF: 703014.8/28

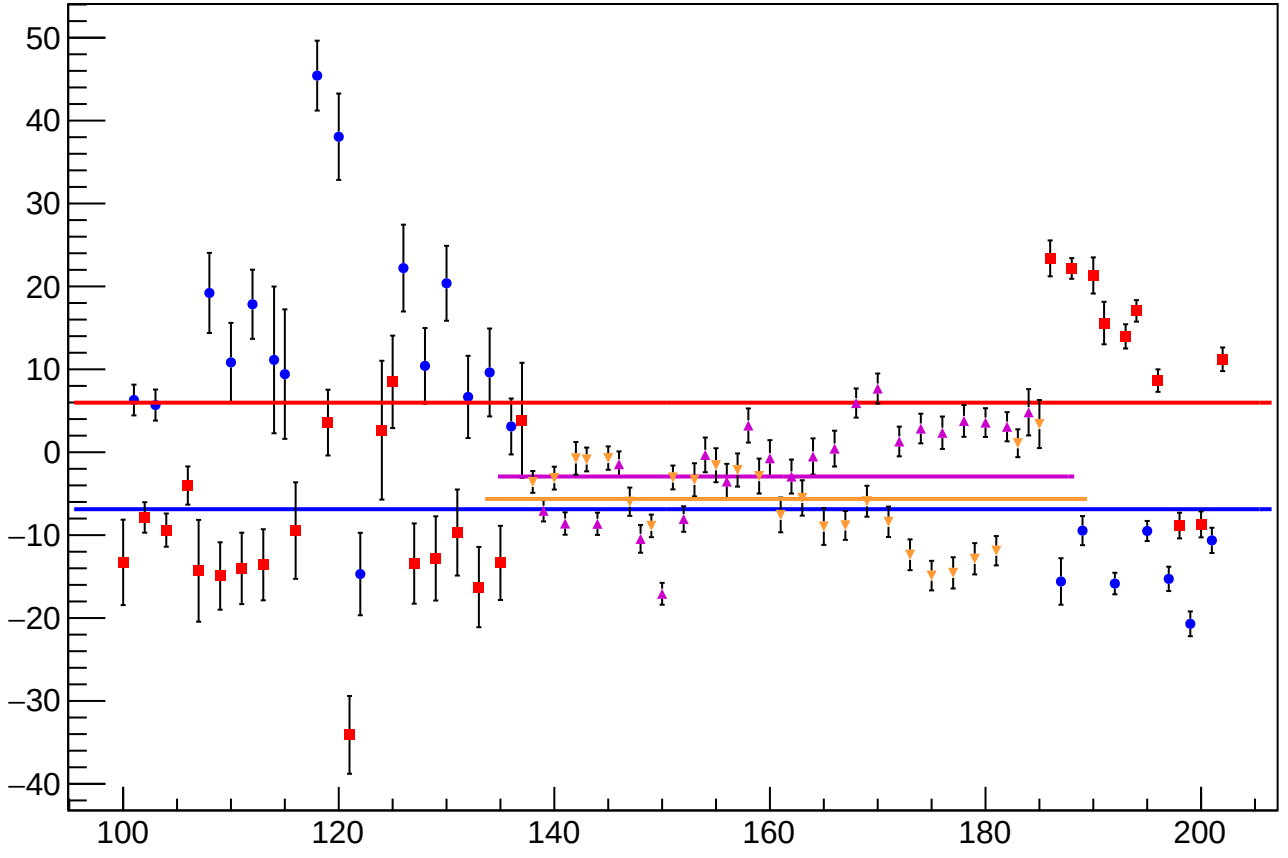
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 65280.748+/-8.343 χ^2/NDF: 2036105.5/47

All: 64572.898+/-5.780 χ^2/NDF: 4113670.8/9

- sign 63919.571+/-8.015 χ^2/NDF: 2063722.6/51

diff_bpm0r03Y_mean vs Slug



Right In: -6.872+/-0.485 χ^2/NDF: 708.5/22

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 5.978+/-0.425 χ^2/NDF: 983.2/28

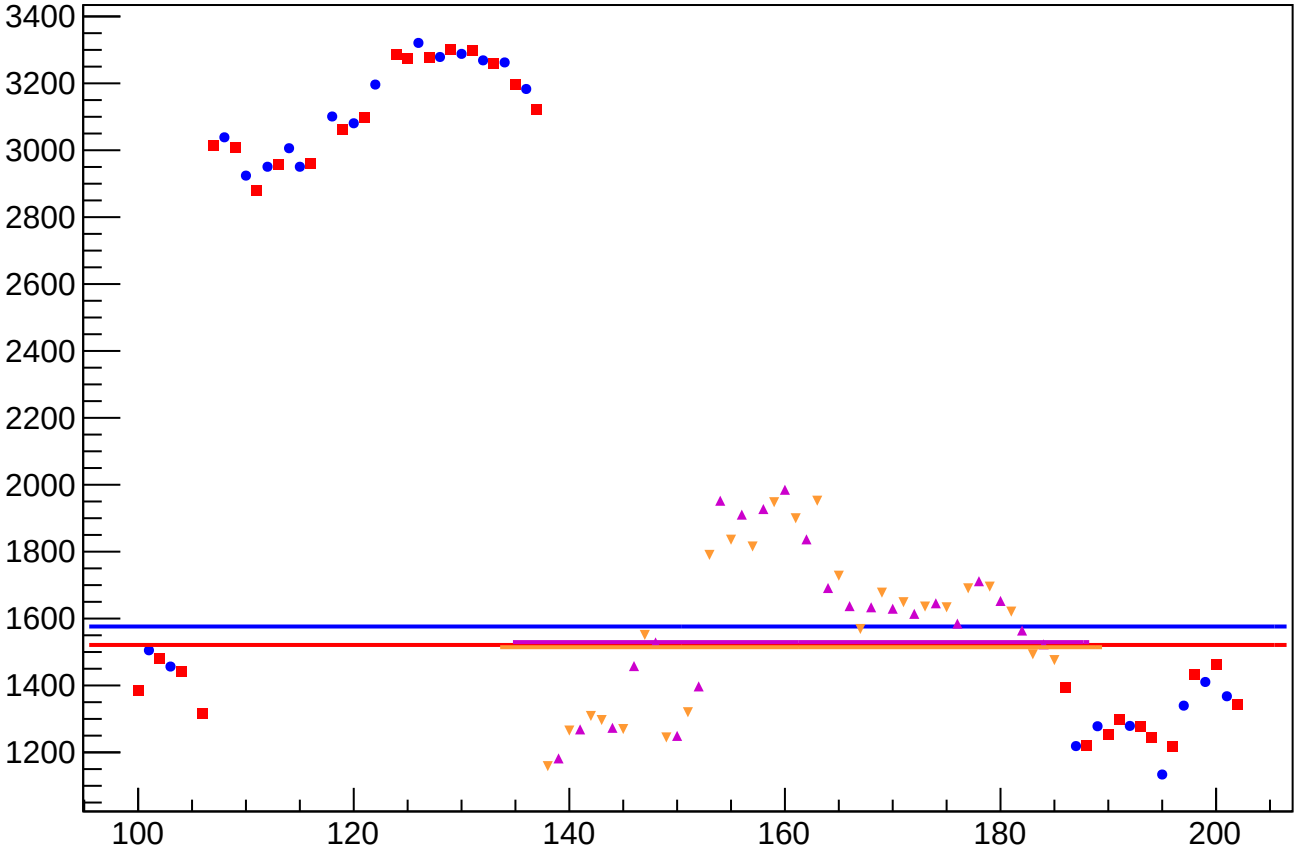
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -6.057+/-0.283 χ^2/NDF: 891.0/47

All: -2.529+/-0.198 χ^2/NDF: 2767.6/99

- sign 0.815+/-0.276 χ^2/NDF: 1574.6/51

diff_bpm0r03Y_rms vs Slug



Right In: 1576.246+/-0.343 χ^2/NDF: 3578363.3/22

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1521.089+/-0.301 χ^2/NDF: 3610451.5/28

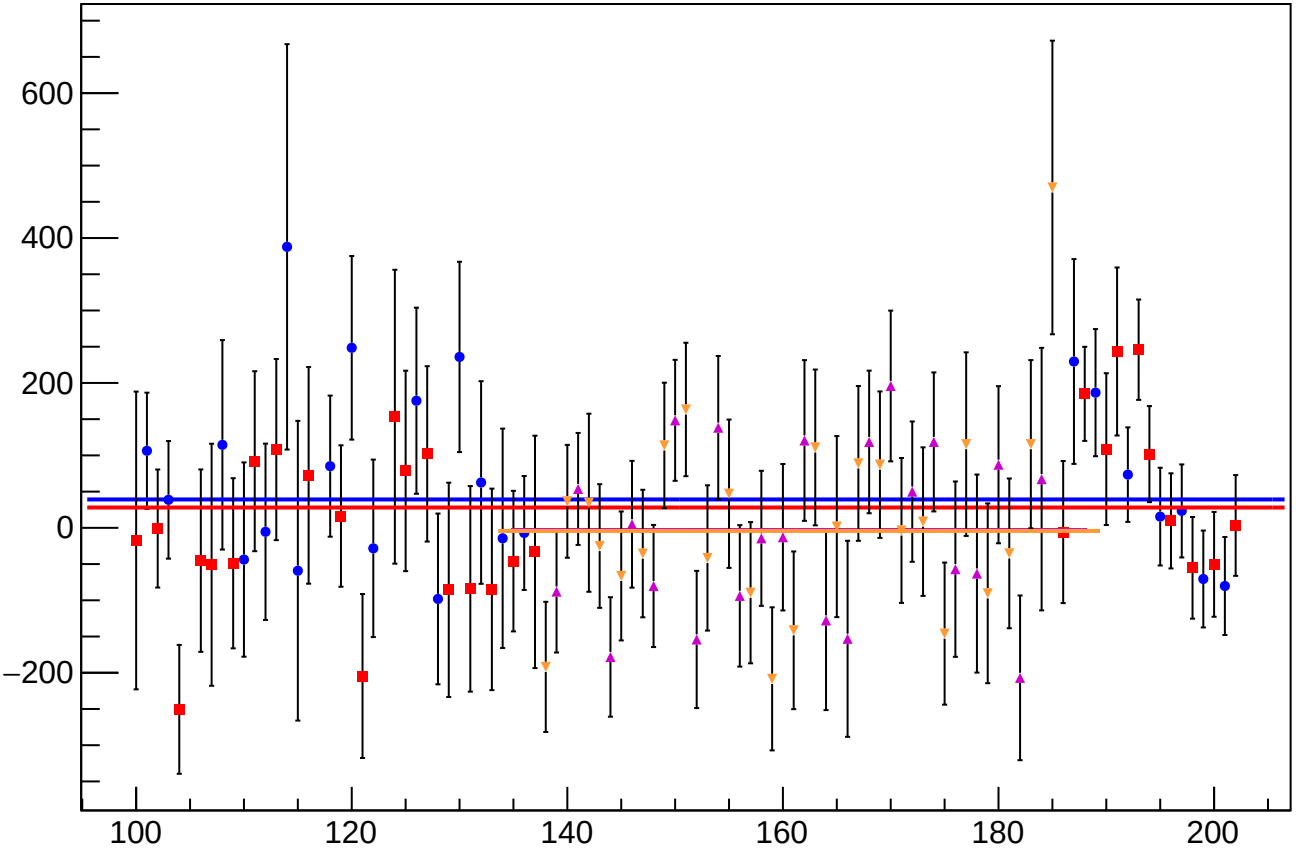
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1535.441+/-0.200 χ^2/NDF: 4533148.9/47

All: 1530.616+/-0.140 χ^2/NDF: 8973679.4/99

- sign 1526.043+/-0.195 χ^2/NDF: 4439400.9/51

diff_bpm0r05X_mean vs Slug



Right In: 39.206+/-19.938 χ^2/NDF: 22.7/22

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

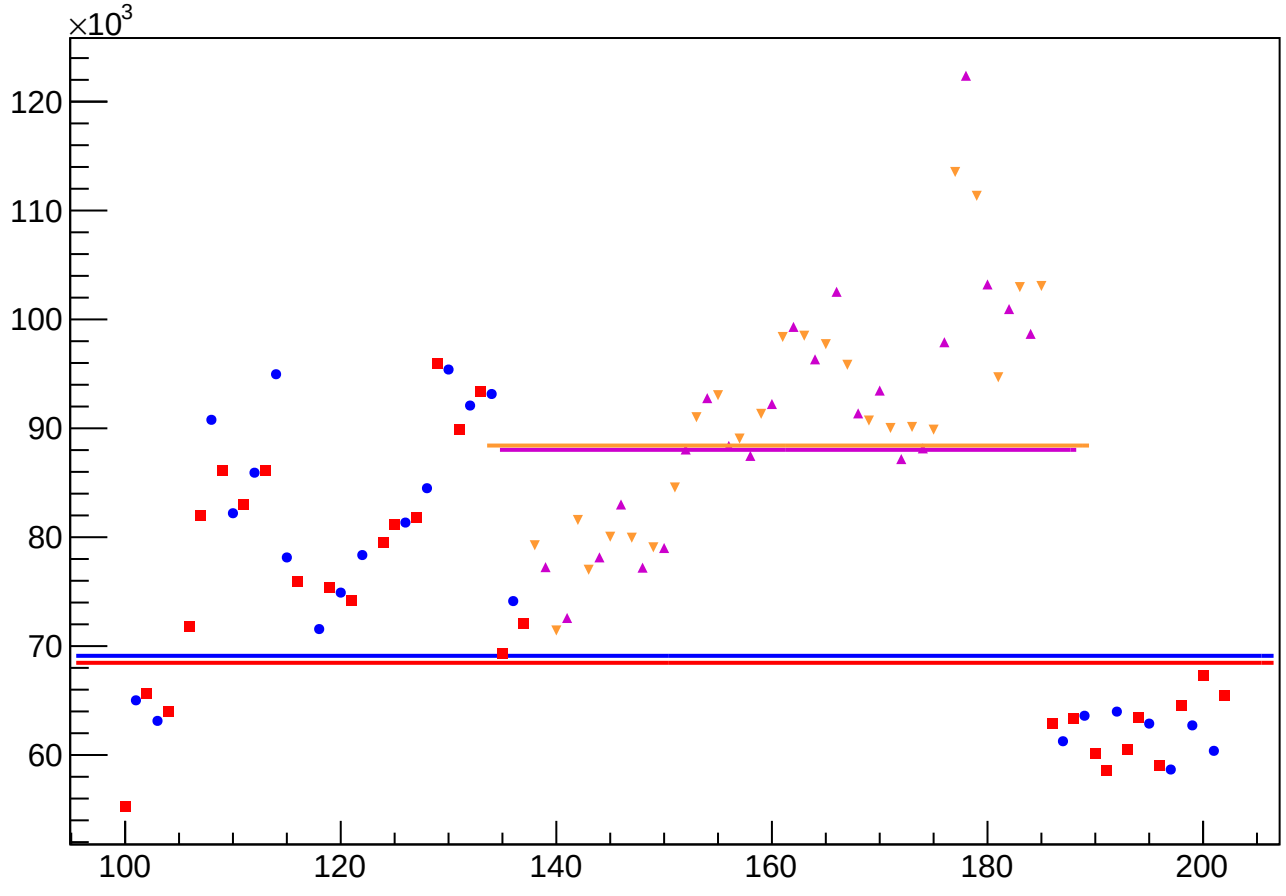
Right Out: 28.071+/-18.132 χ^2/NDF: 43.4/28

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 17.793+/-14.204 χ^2/NDF: 55.5/47

All: 16.126+/-9.840 χ^2/NDF: 130.9/99

- sign 14.589+/-13.645 χ^2/NDF: 75.4/51



Right In: 69107.829+/-14.098 χ^2/NDF: 548890.1/22

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 68465.614+/-12.821 χ^2/NDF: 526252.4/28

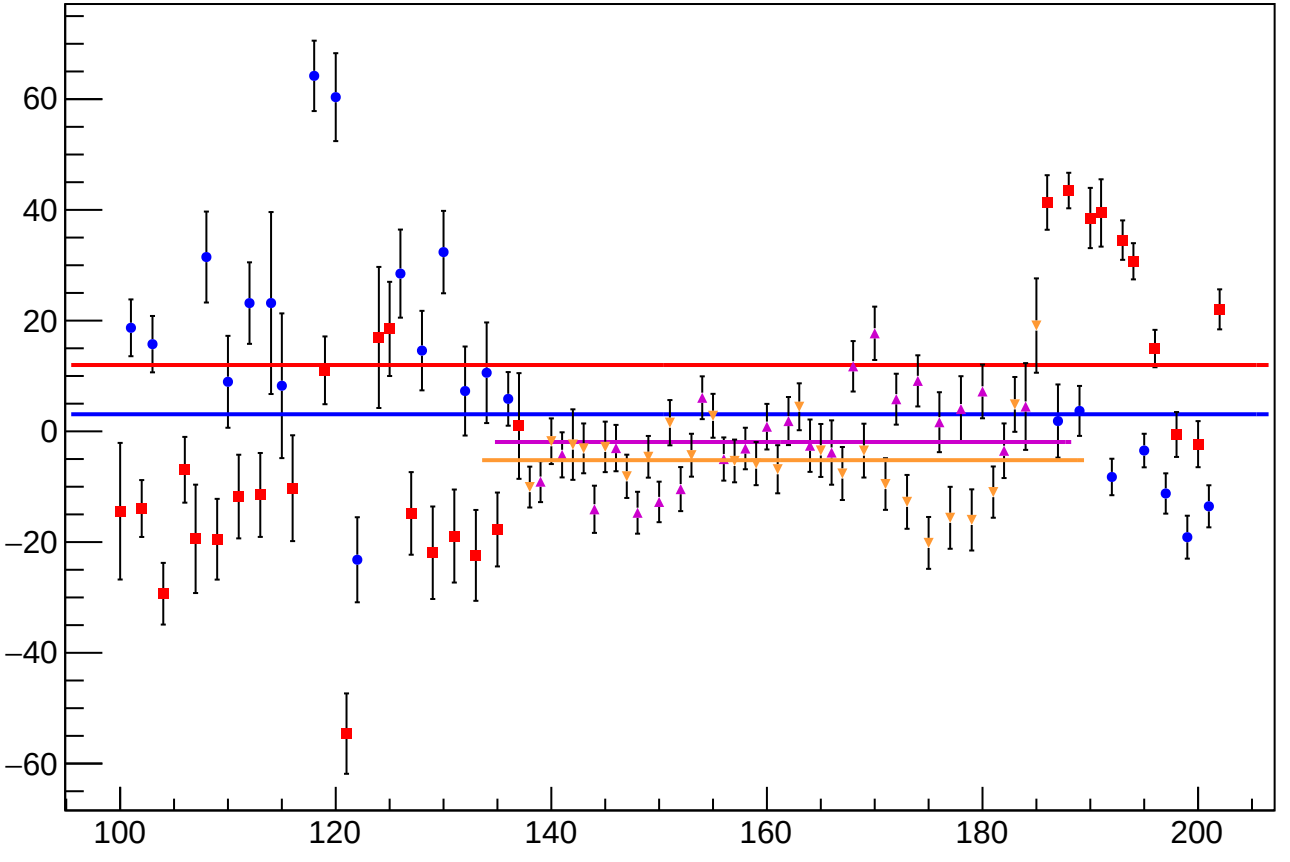
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 78617.885+/-10.044 χ^2/NDF: 1954740.9/47

All: 77749.247+/-6.958 χ^2/NDF: 3989359.1/9

- sign 76947.631+/-9.648 χ^2/NDF: 2020235.7/51

diff_bpm0r05Y_mean vs Slug



Right In: 3.087+/-1.119 χ^2/NDF: 306.6/22

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 11.982+/-1.003 χ^2/NDF: 594.5/28

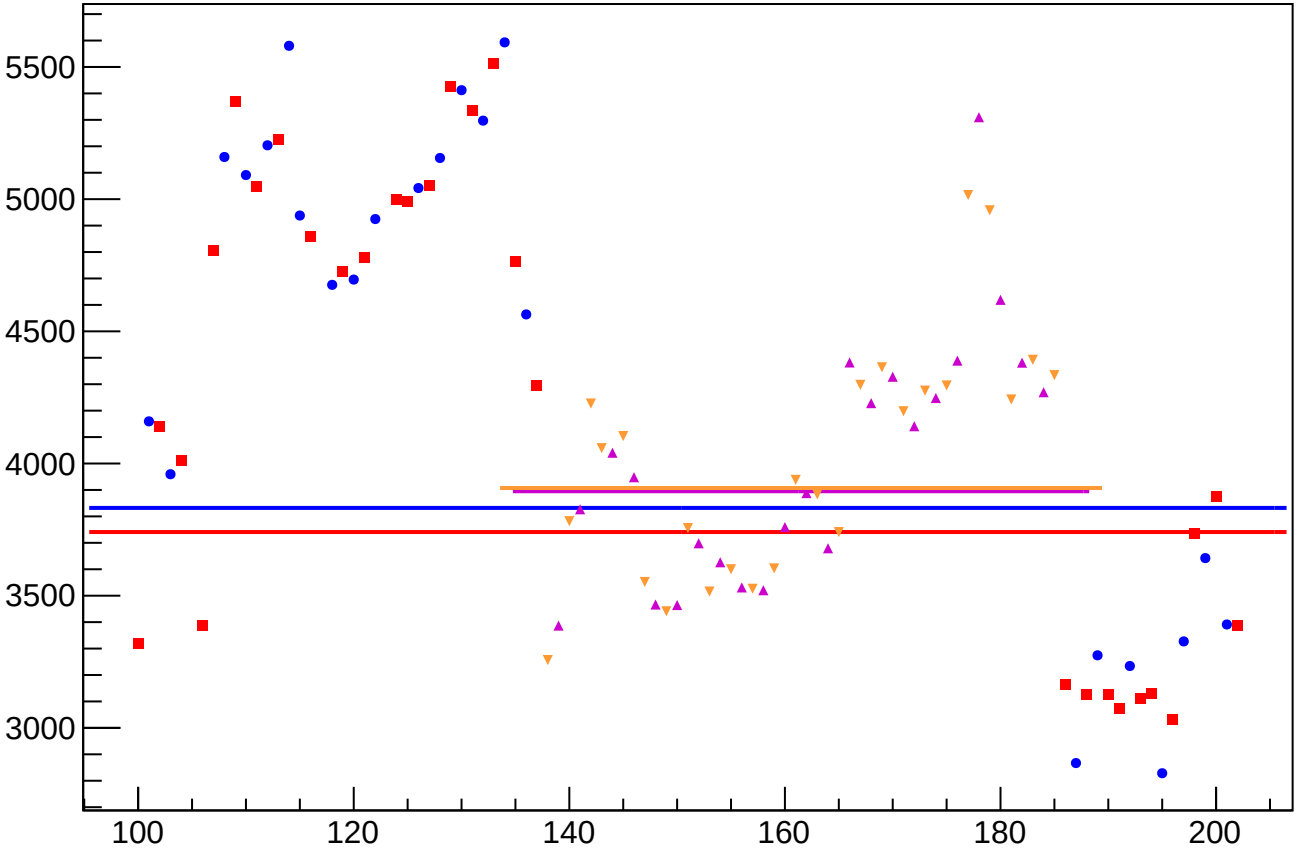
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -1.974+/-0.698 χ^2/NDF: 391.2/47

All: 1.317+/-0.486 χ^2/NDF: 1216.8/99

- sign 4.405+/-0.676 χ^2/NDF: 782.5/51

diff_bpm0r05Y_rms vs Slug



Right In: 3832.091+/-0.791 χ^2/NDF: 1133676.5/22

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3740.832+/-0.709 χ^2/NDF: 1222967.2/28

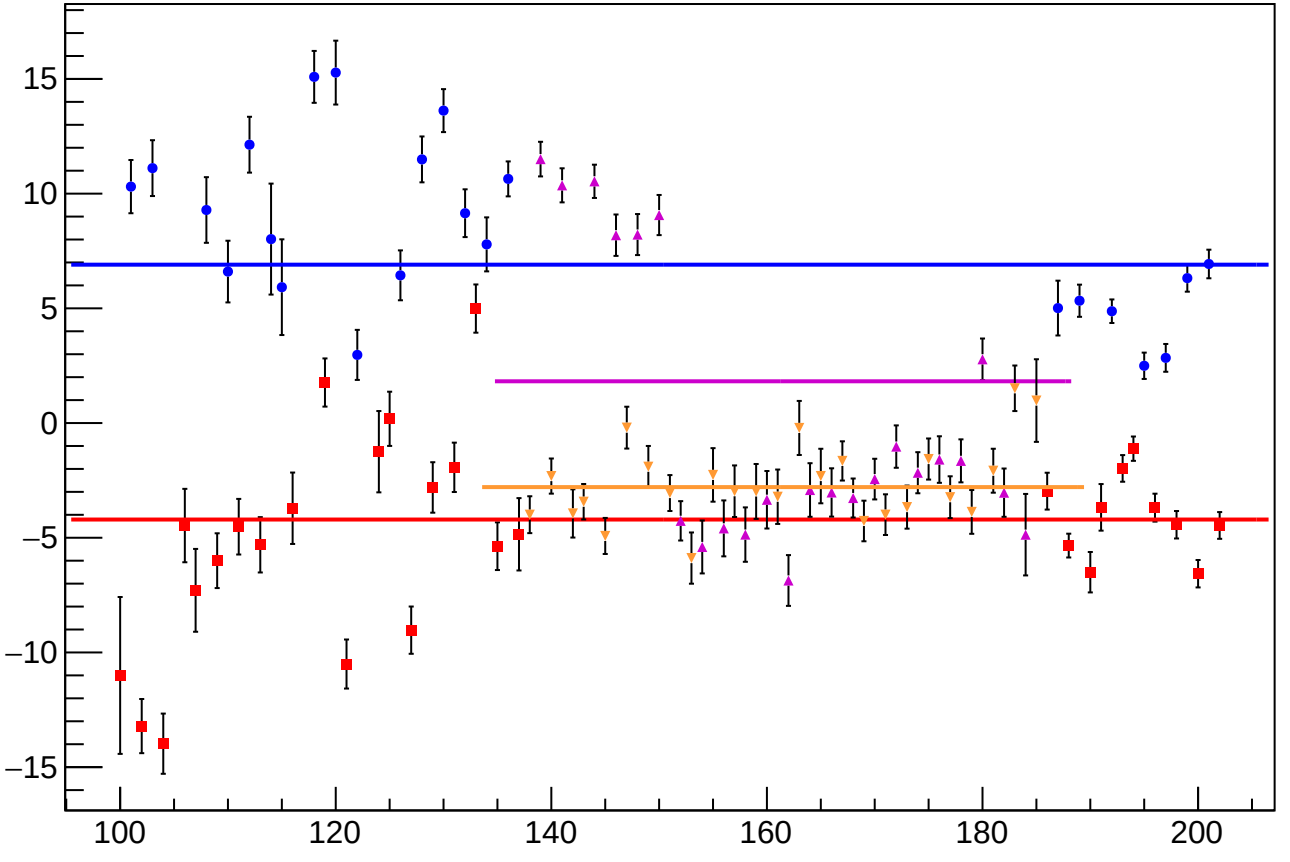
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3878.091+/-0.494 χ^2/NDF: 1580421.4/47

All: 3850.643+/-0.344 χ^2/NDF: 3245097.0/99

- sign 3824.892+/-0.478 χ^2/NDF: 1658686.3/51

diff_bpm2i01X_mean vs Slug



Right In: 6.904+/-0.183 χ^2/NDF: 373.8/22

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -4.206+/-0.163 χ^2/NDF: 392.9/28

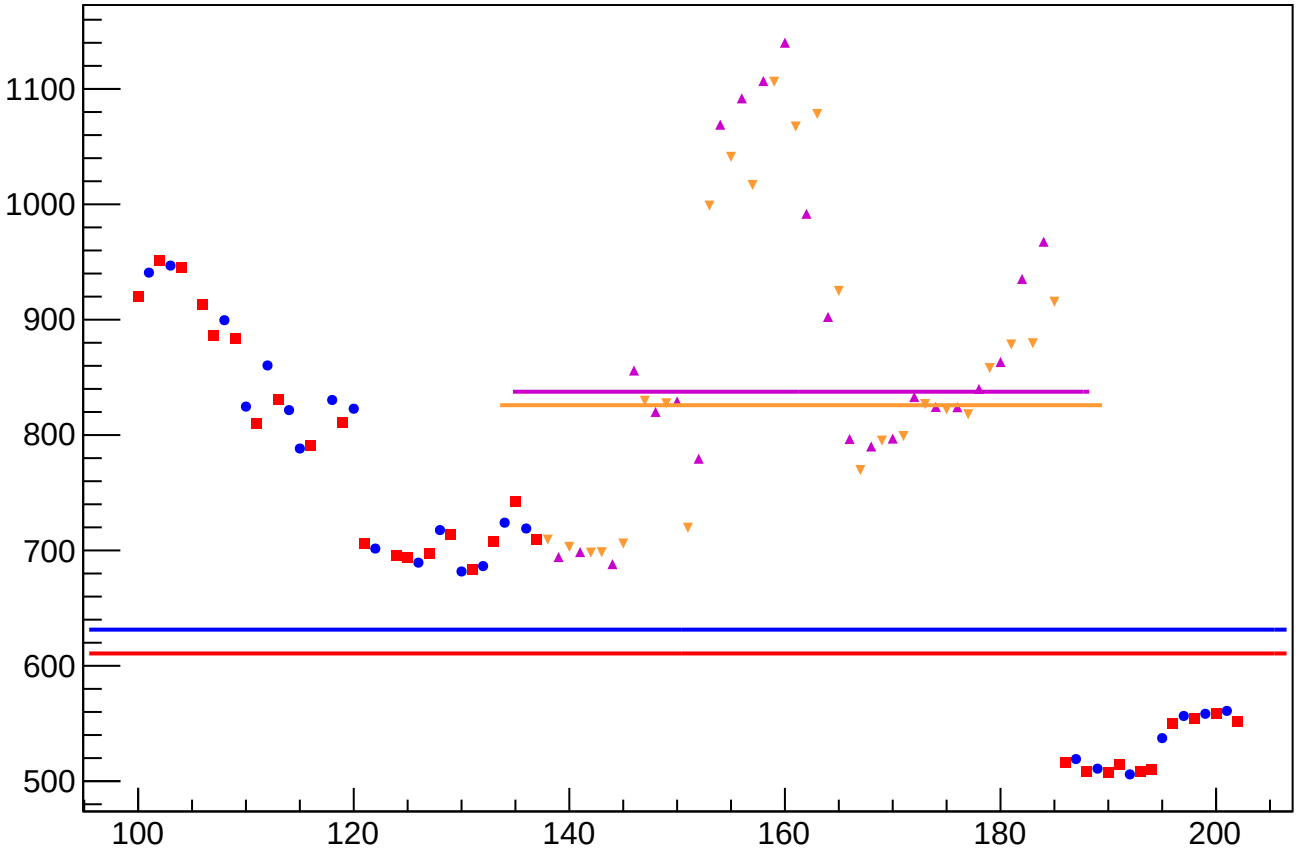
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 2.230+/-0.132 χ^2/NDF: 1790.2/47

All: 0.138+/-0.091 χ^2/NDF: 4240.6/99

- sign -1.770+/-0.126 χ^2/NDF: 1969.8/51

diff_bpm2i01X_rms vs Slug



Right In: 631.352+/-0.130 χ^2/NDF: 998085.0/22

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 610.702+/-0.115 χ^2/NDF: 1243118.4/28

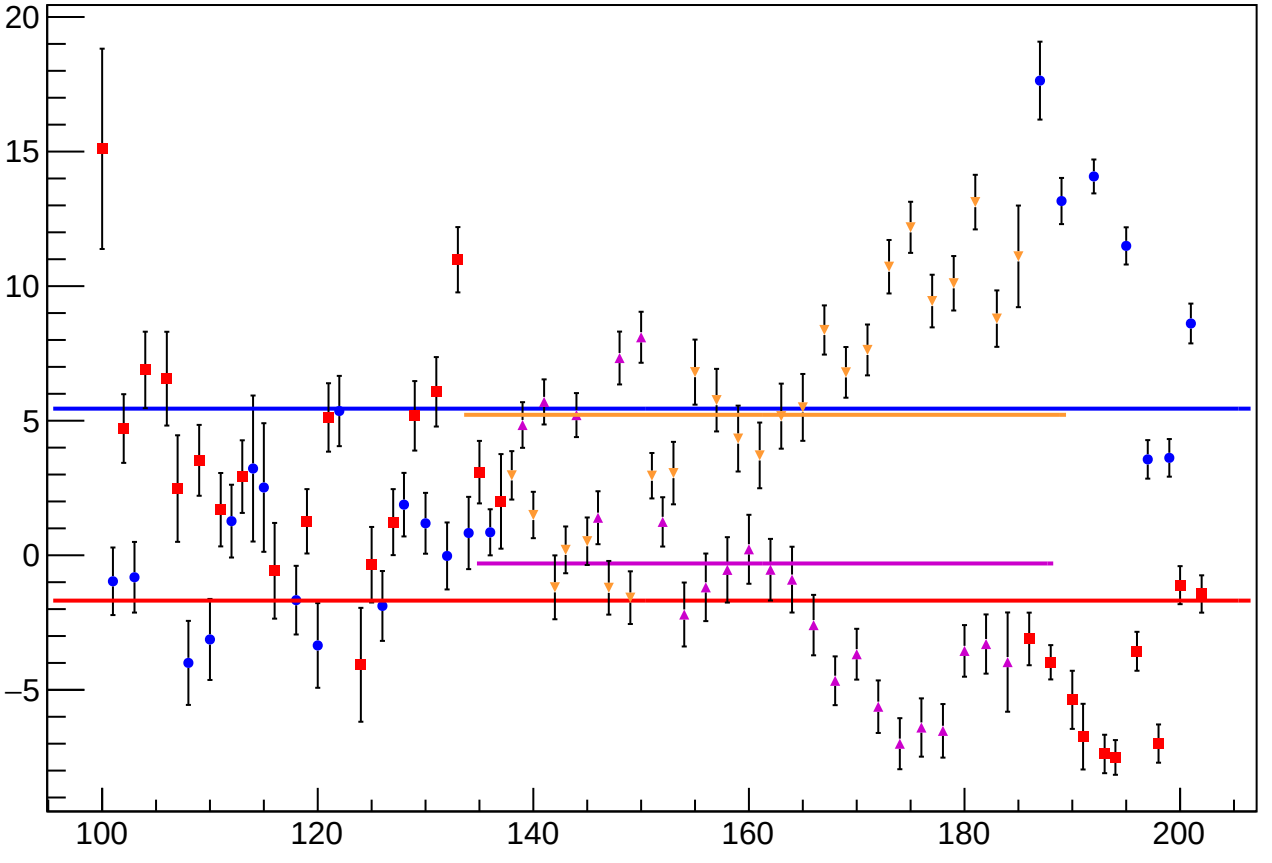
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 725.116+/-0.093 χ^2/NDF: 2848323.3/47

All: 713.247+/-0.064 χ^2/NDF: 6397999.7/99

- sign 702.425+/-0.089 χ^2/NDF: 3518742.8/51

diff_bpm2i01Y_mean vs Slug



Right In: 5.448+/-0.216 χ^2/NDF: 755.2/22

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -1.684+/-0.193 χ^2/NDF: 632.4/28

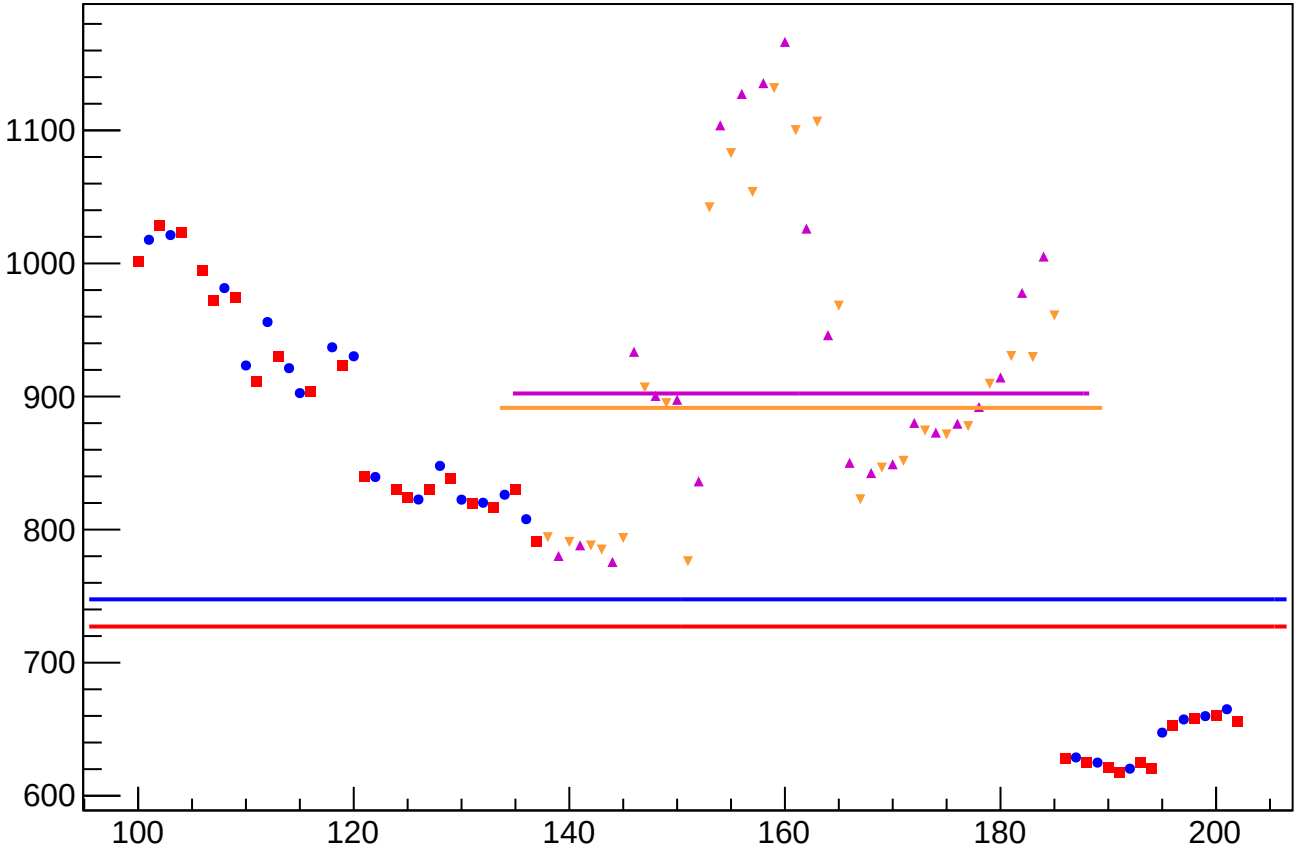
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 5.327+/-0.148 χ^2/NDF: 1205.8/47

All: 2.015+/-0.103 χ^2/NDF: 3317.1/99

- sign -1.060+/-0.143 χ^2/NDF: 1150.7/51

diff_bpm2i01Y_rms vs Slug



Right In: 747.599+/-0.153 χ^2/NDF: 716507.5/22

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 727.163+/-0.137 χ^2/NDF: 894251.1/28

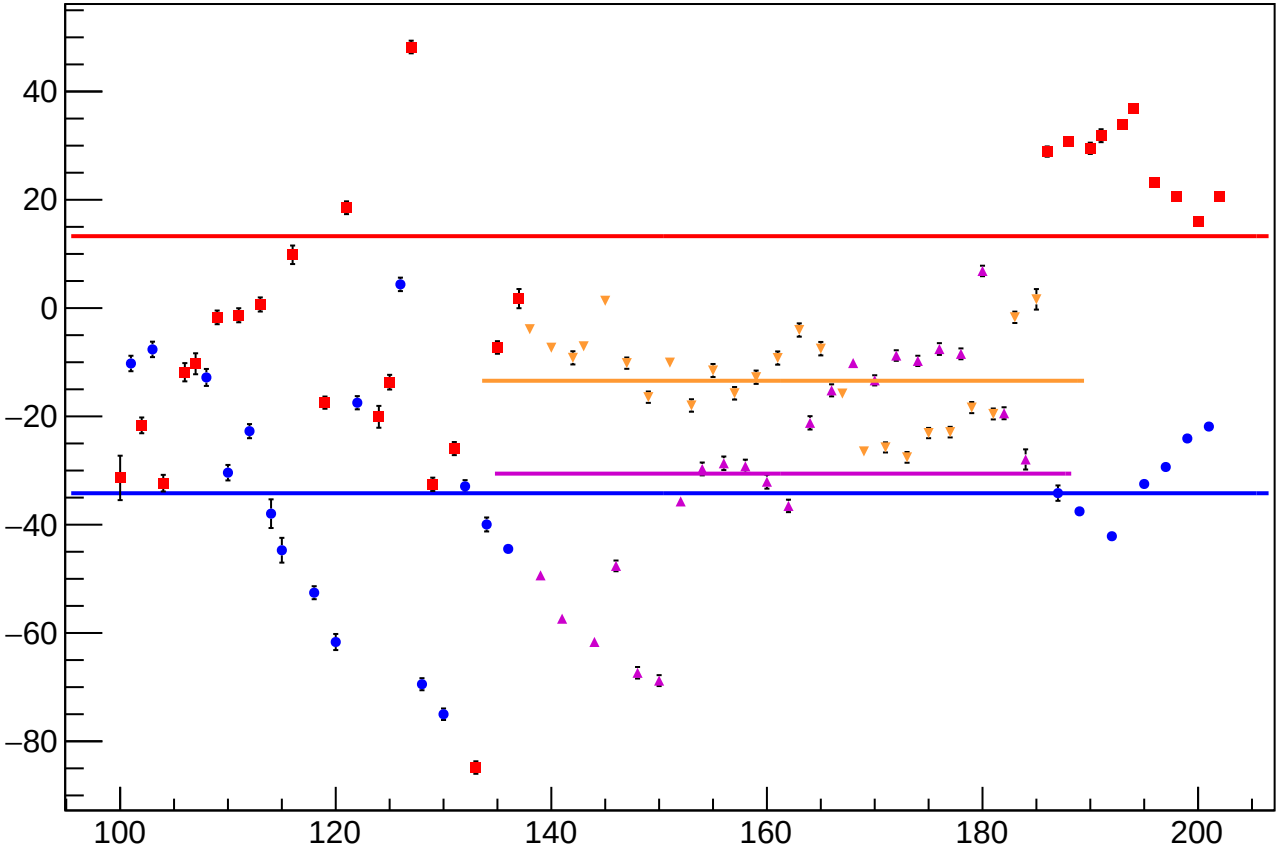
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

\+ sign 823.474+/-0.105 χ^2/NDF: 1702960.8/47

All: 814.599+/-0.073 χ^2/NDF: 3838944.6/99

\- sign 806.358+/-0.101 χ^2/NDF: 2122189.0/51

diff_bpm2i02X_mean vs Slug



Right In: -34.193+/-0.212 χ^2/NDF: 5999.8/22

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 13.281+/-0.189 χ^2/NDF: 18885.0/28

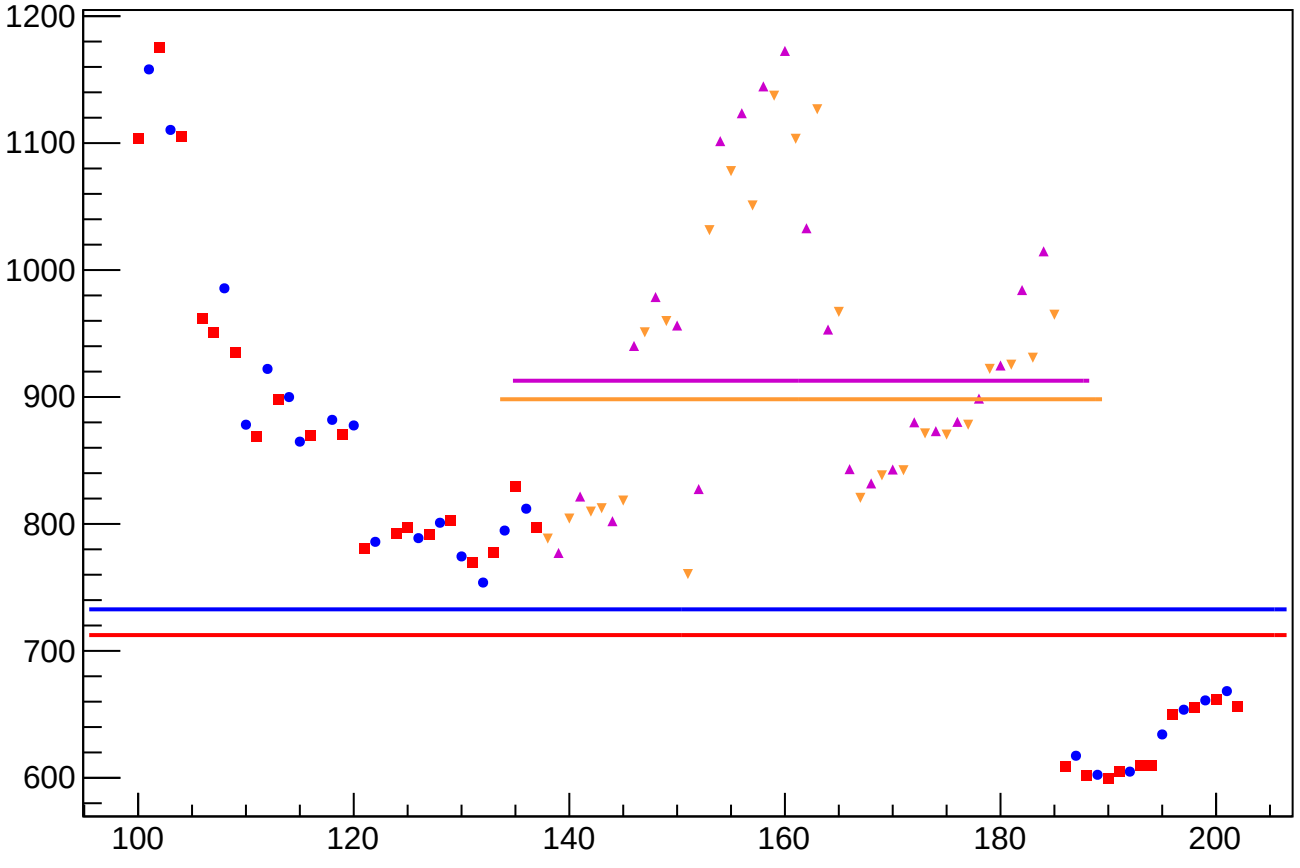
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -23.514+/-0.148 χ^2/NDF: 12606.2/47

All: -14.362+/-0.102 χ^2/NDF: 72672.4/99

\- sign -5.874+/-0.142 χ^2/NDF: 52663.3/51

diff_bpm2i02X_rms vs Slug



Right In: 732.725+/-0.150 χ^2/NDF: 790085.5/22

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 712.449+/-0.134 χ^2/NDF: 962425.0/28

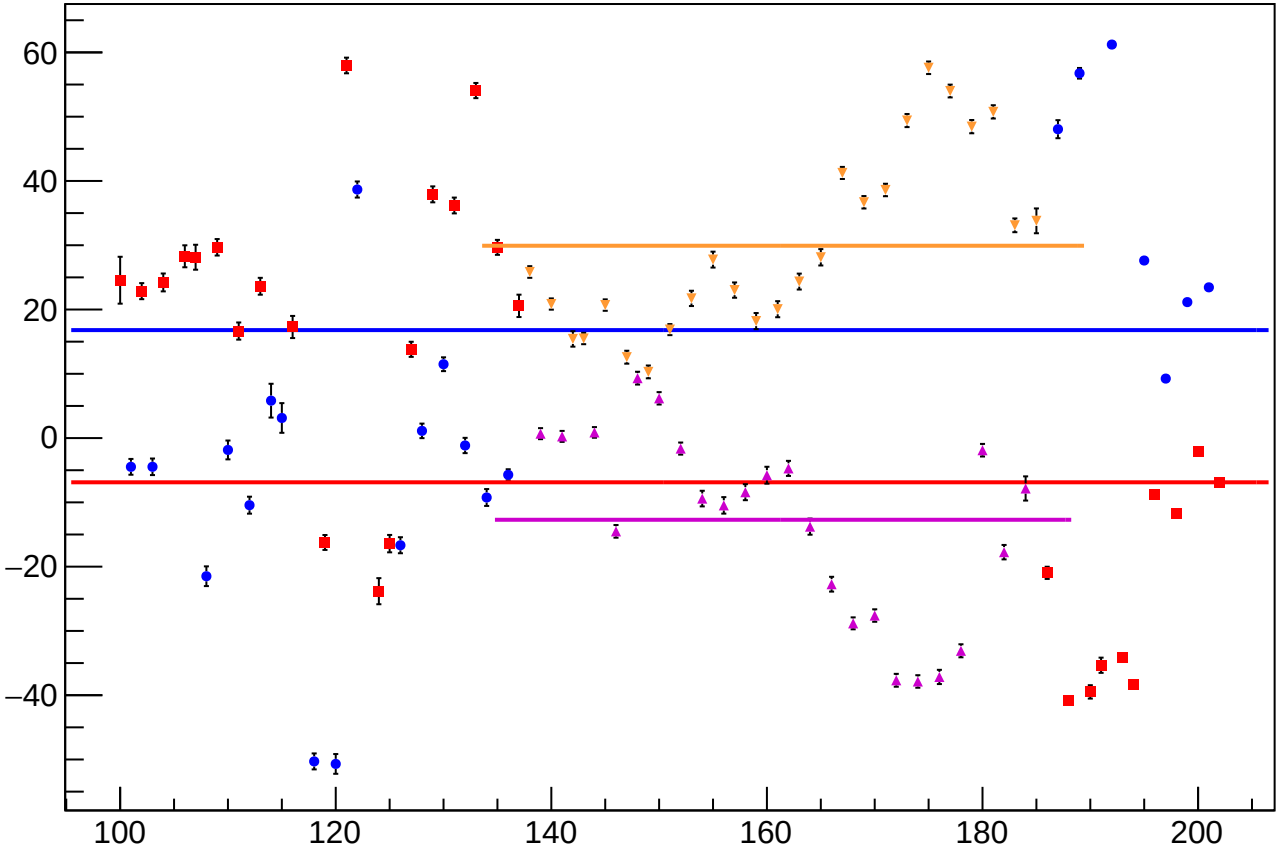
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 817.813+/-0.104 χ^2/NDF: 1935976.8/47

All: 808.556+/-0.072 χ^2/NDF: 4370268.6/99

- sign 799.971+/-0.101 χ^2/NDF: 2419144.9/51

diff_bpm2i02Y_mean vs Slug



Right In: 16.798+/-0.209 χ^2/NDF: 17921.0/22

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -6.879+/-0.187 χ^2/NDF: 22603.4/28

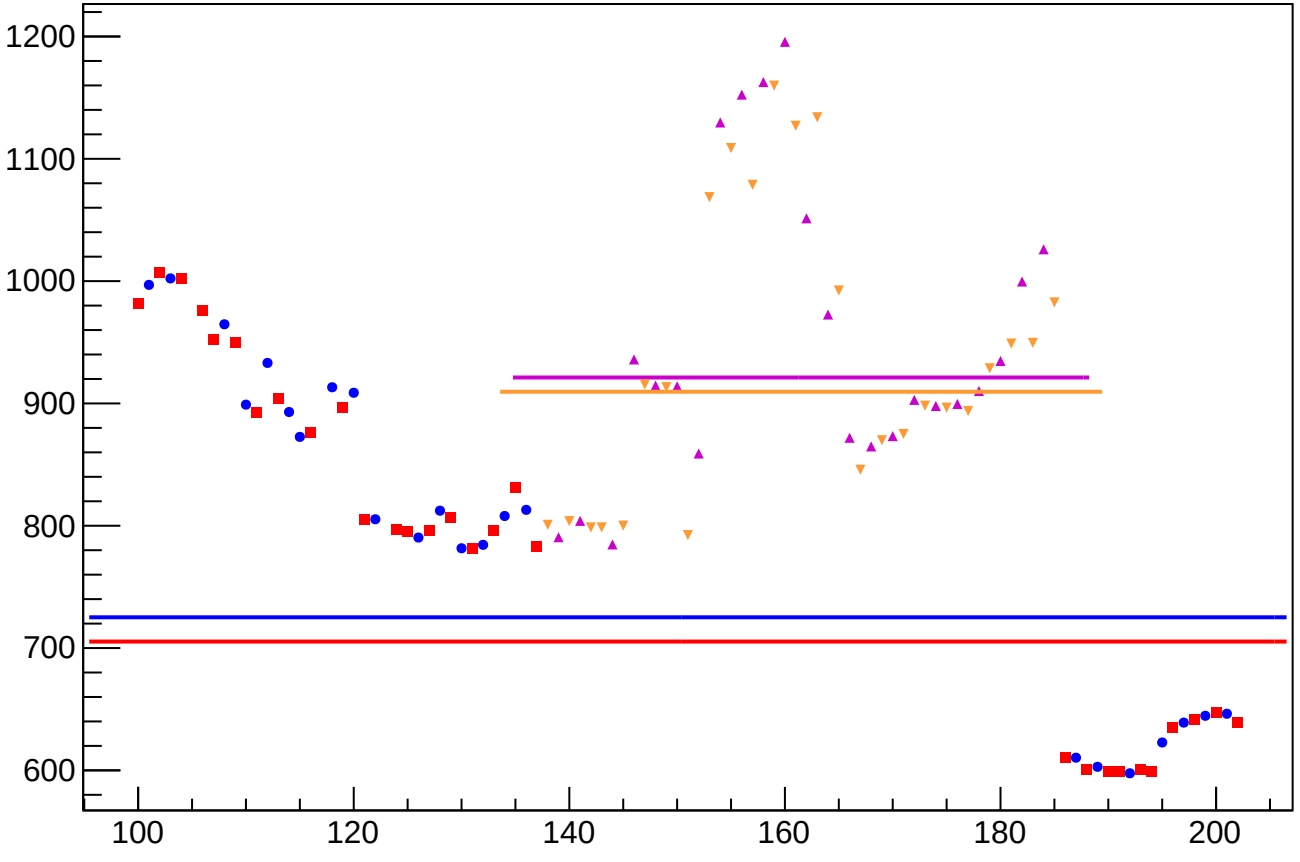
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 23.388+/-0.148 χ^2/NDF: 24472.8/47

All: 6.343+/-0.102 χ^2/NDF: 77842.6/99

- sign -9.368+/-0.142 χ^2/NDF: 27807.6/51

diff_bpm2i02Y_rms vs Slug



Right In: 725.149+/-0.148 χ^2/NDF: 747631.6/22

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

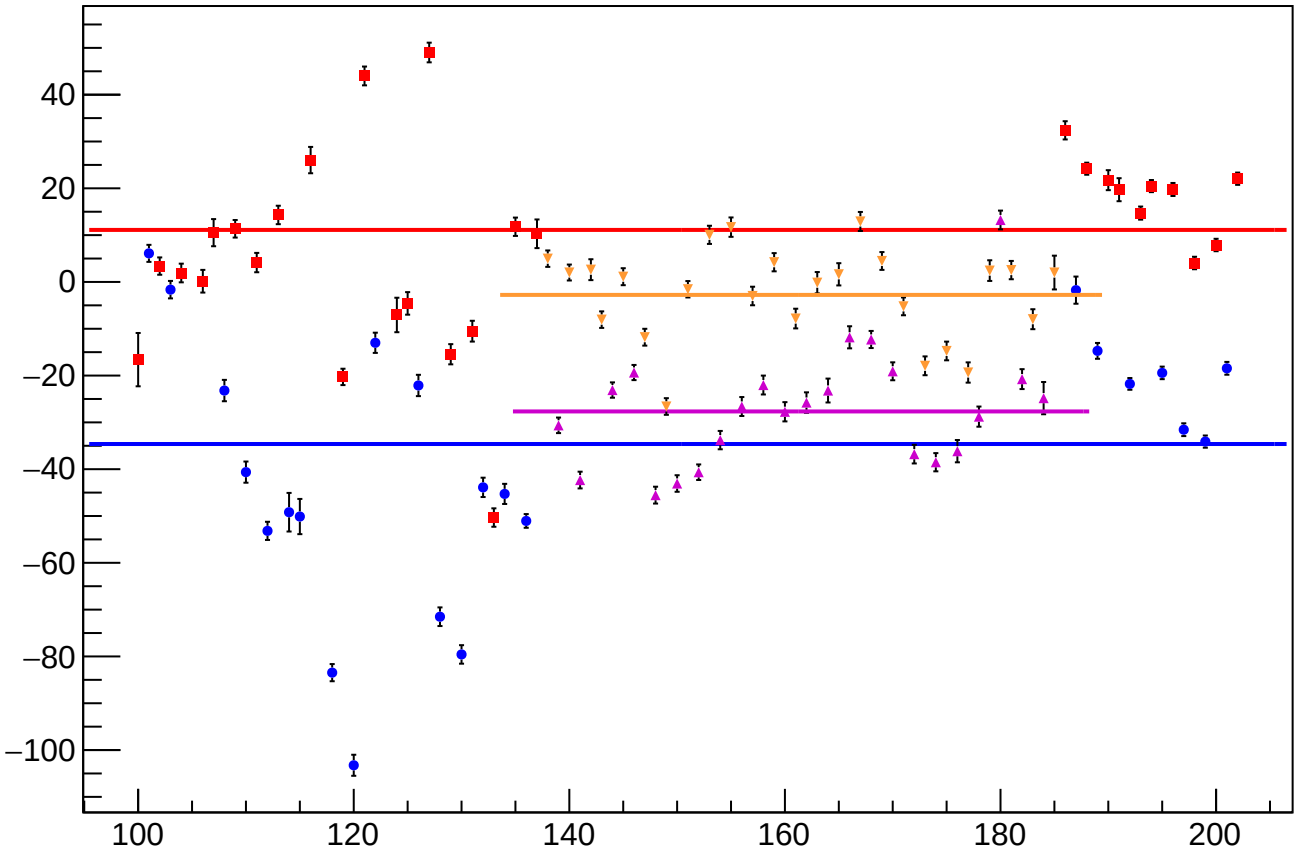
Right Out: 705.301+/-0.133 χ^2/NDF: 922623.8/28

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 817.752+/-0.105 χ^2/NDF: 2067714.6/47

All: 807.214+/-0.072 χ^2/NDF: 4640160.5/99

- sign 797.501+/-0.100 χ^2/NDF: 2552906.1/51



Right In: -34.622+/-0.377 χ^2/NDF: 4413.4/22

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 11.114+/-0.344 χ^2/NDF: 2791.1/28

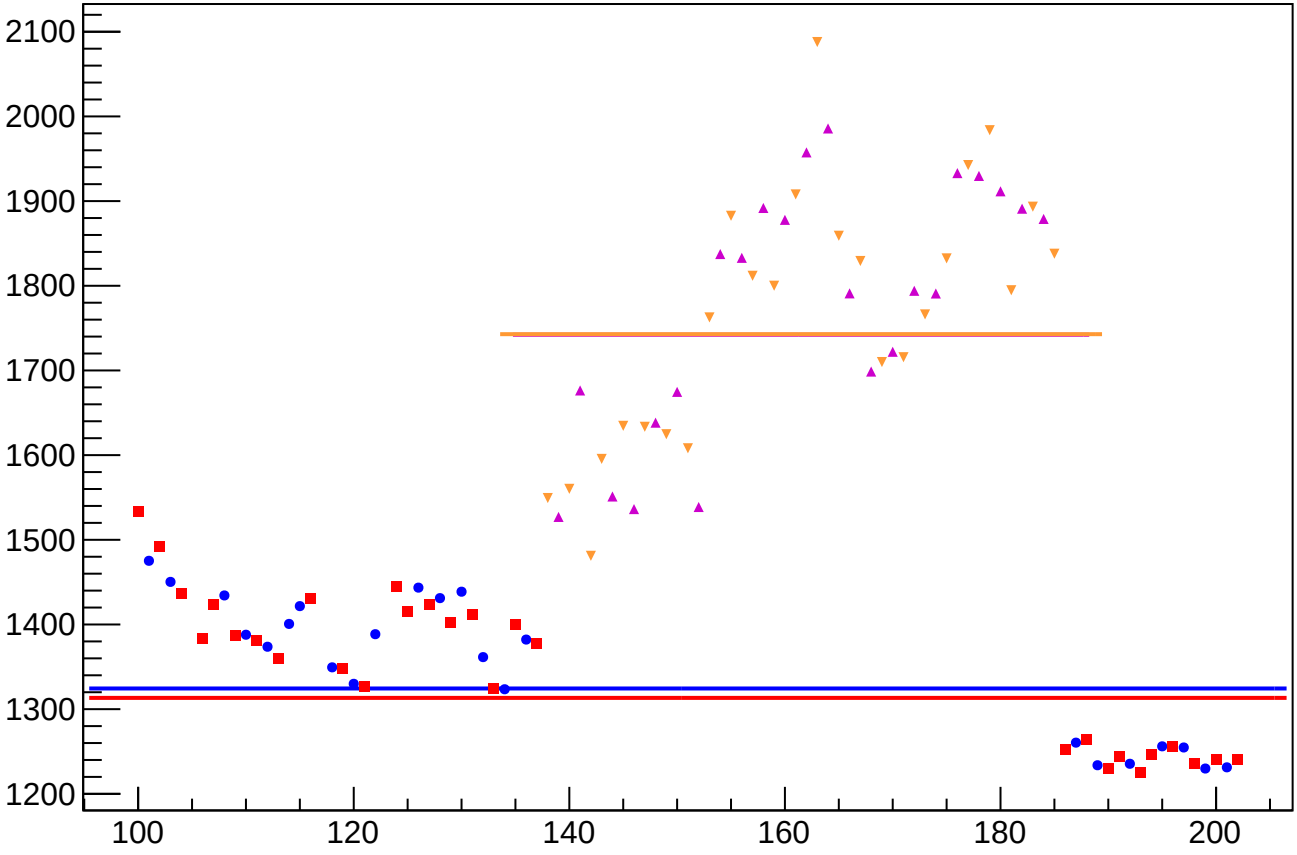
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -19.514+/-0.274 χ^2/NDF: 8407.3/47

All: -11.961+/-0.190 χ^2/NDF: 18921.7/99

\- sign -4.972+/-0.263 χ^2/NDF: 9047.9/51

diff_bpm0i02X_rms vs Slug



Right In: 1324.424+/-0.267 χ^2/NDF: 103135.0/22

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1313.314+/-0.243 χ^2/NDF: 113541.2/28

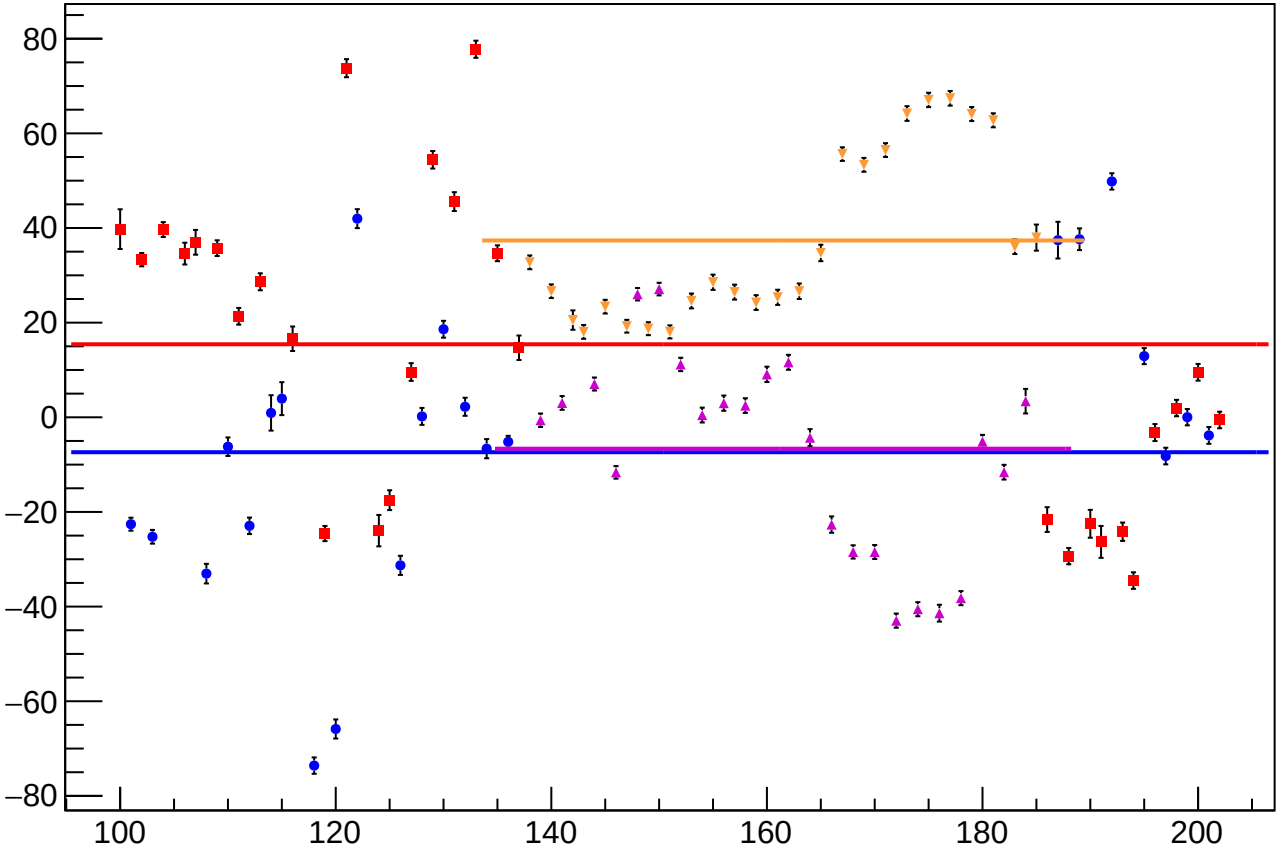
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1522.865+/-0.194 χ^2/NDF: 1531827.2/47

All: 1506.423+/-0.134 χ^2/NDF: 3209222.8/99

- sign 1491.211+/-0.186 χ^2/NDF: 1663498.4/51

diff_bpm0i02Y_mean vs Slug



Right In: -7.379+/-0.385 χ^2/NDF: 5603.2/22

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

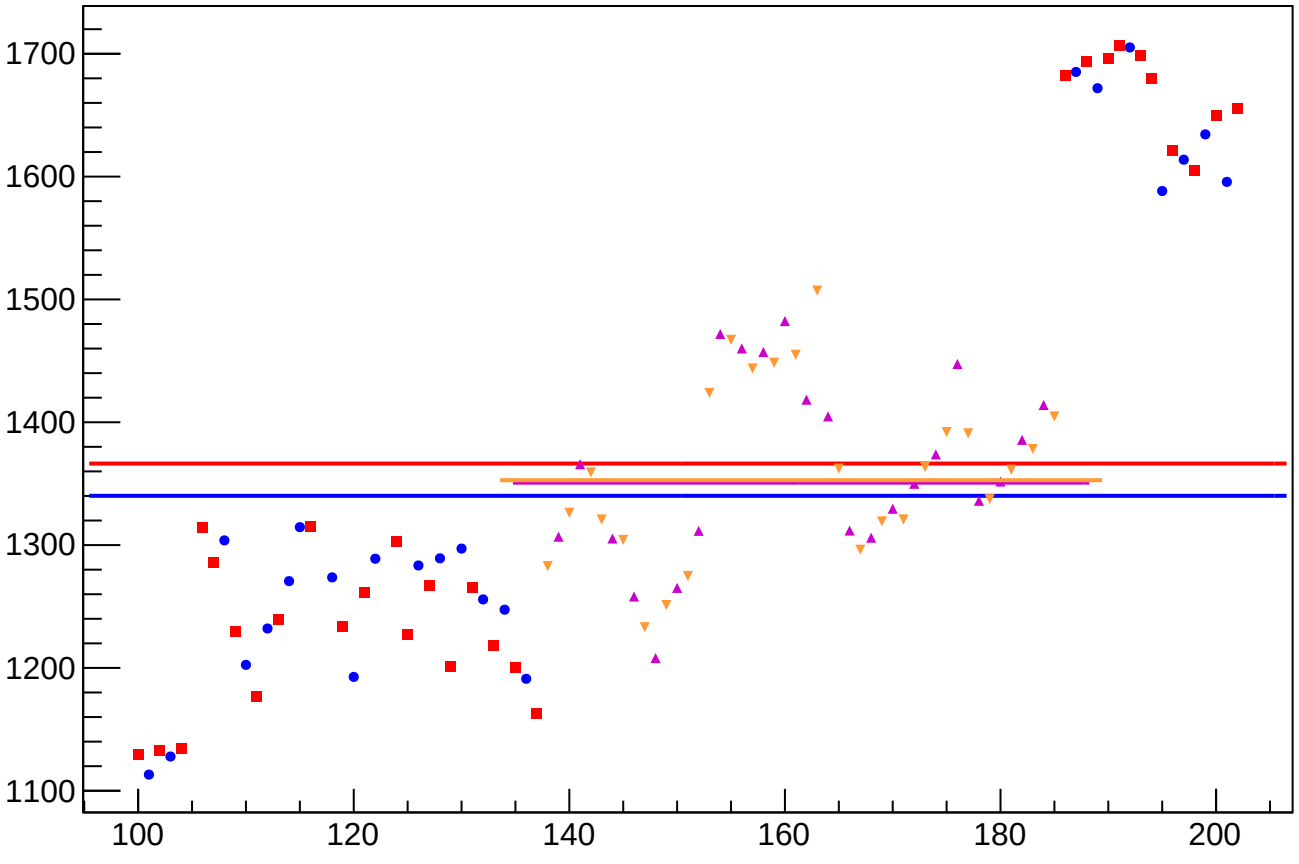
Right Out: 15.430+/-0.362 χ^2/NDF: 7417.3/28

Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 19.931+/-0.241 χ^2/NDF: 17231.8/47

All: 11.336+/-0.169 χ^2/NDF: 33695.8/99

- sign 2.914+/-0.238 χ^2/NDF: 13935.4/51



Right In: 1340.120+/-0.272 χ^2/NDF: 508724.7/22

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1366.377+/-0.256 χ^2/NDF: 710708.2/28

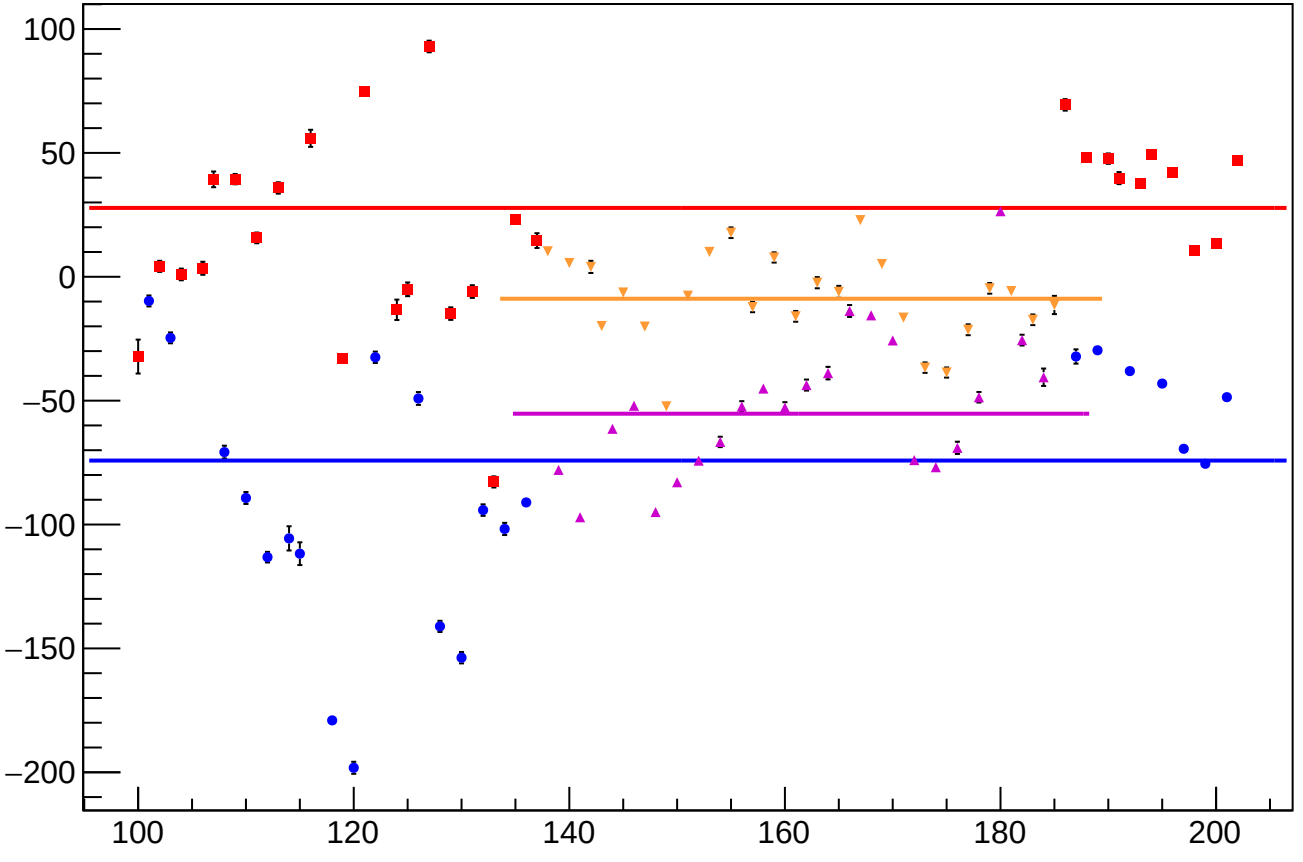
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1347.871+/-0.170 χ^2/NDF: 614896.5/47

All: 1352.763+/-0.120 χ^2/NDF: 1437955.2/99

- sign 1357.556+/-0.168 χ^2/NDF: 821420.4/51

diff_bpm0i02aX_mean vs Slug



Right In: -74.178+/-0.415 χ^2/NDF: 12367.7/22

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 27.795+/-0.377 χ^2/NDF: 7405.3/28

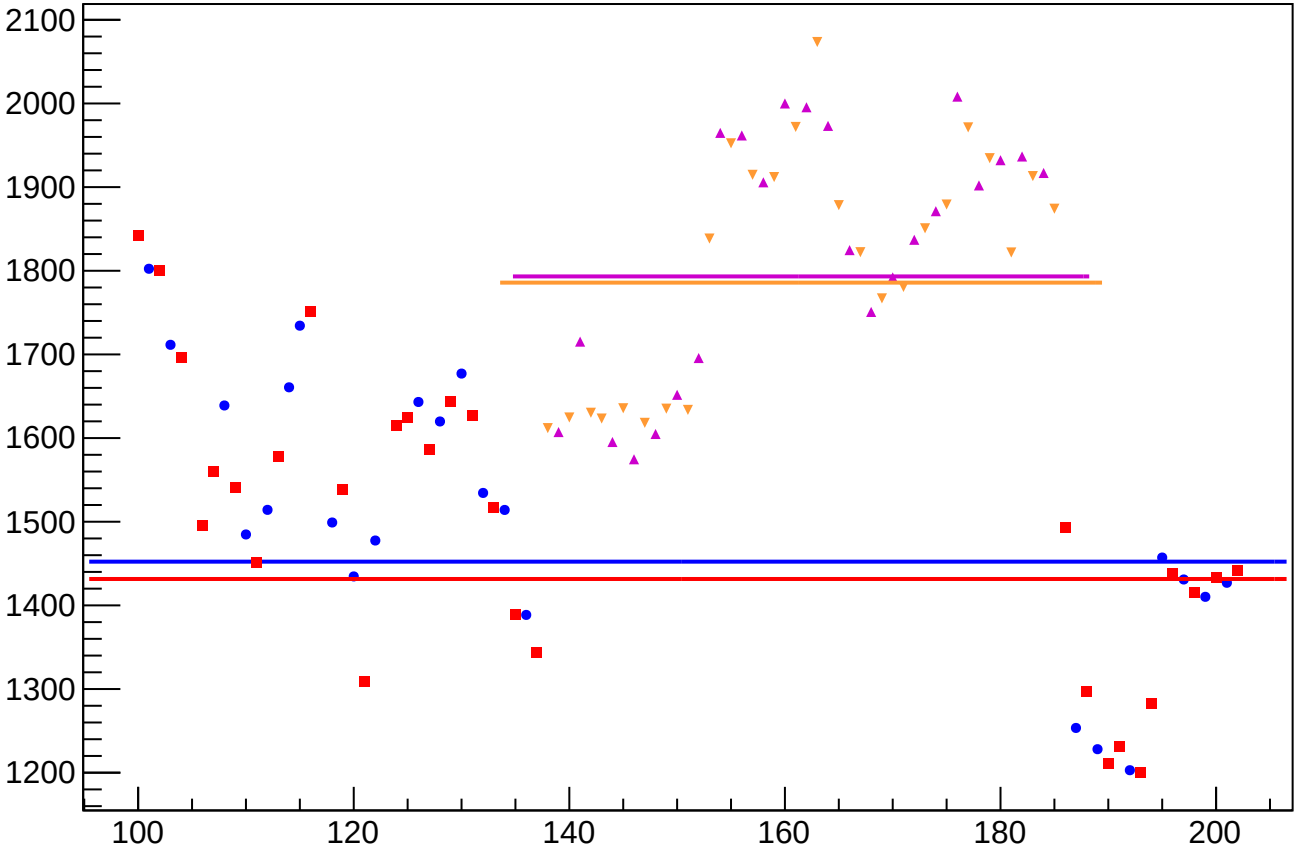
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -40.859+/-0.291 χ^2/NDF: 26928.0/47

All: -24.455+/-0.202 χ^2/NDF: 66861.4/99

- sign -9.186+/-0.281 χ^2/NDF: 33789.7/51

diff_bpm0i02aX_rms vs Slug



Right In: 1452.270+/-0.294 χ^2/NDF: 281453.2/22

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1431.551+/-0.266 χ^2/NDF: 329927.2/28

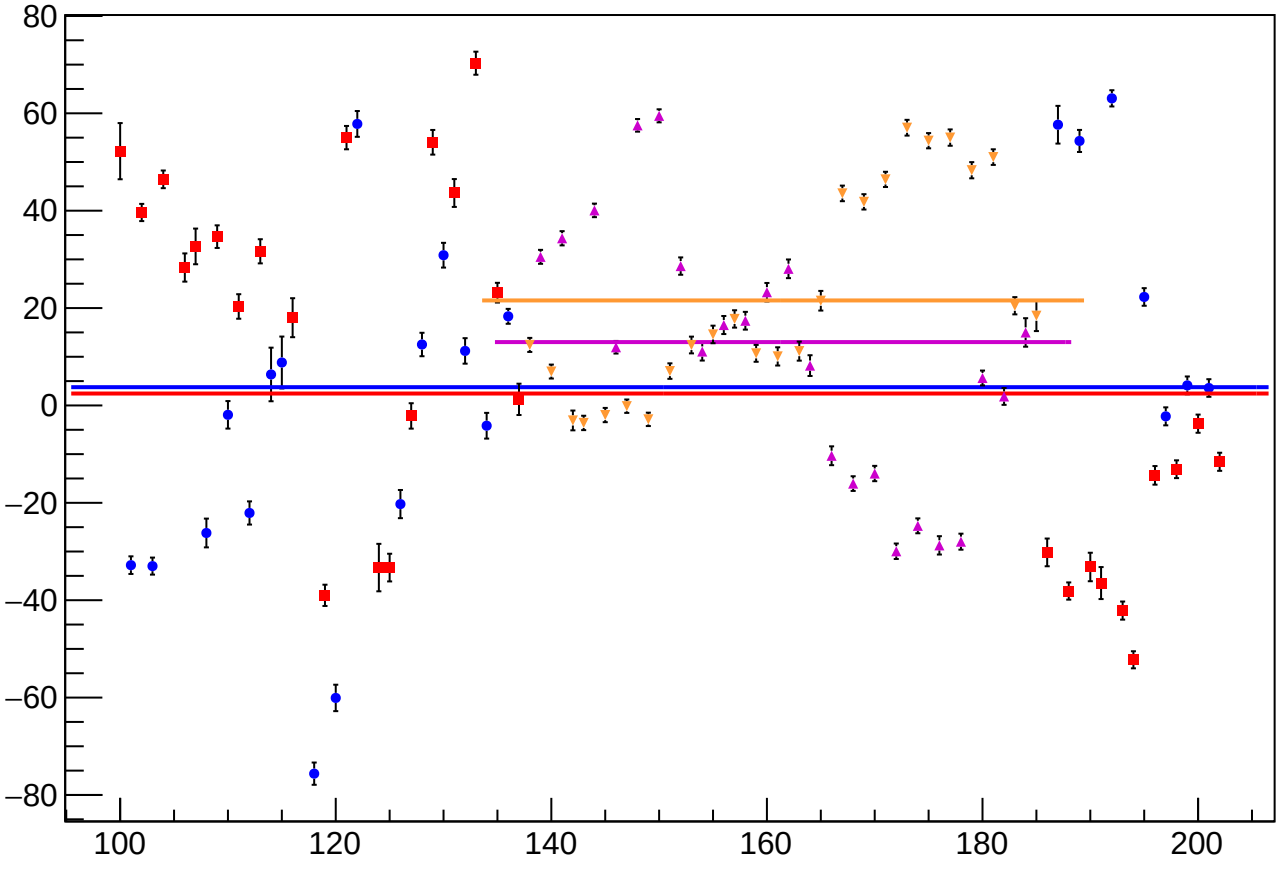
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1622.422+/-0.206 χ^2/NDF: 1176249.4/47

All: 1606.970+/-0.143 χ^2/NDF: 2590882.0/99

- sign 1592.588+/-0.198 χ^2/NDF: 1403731.0/51

diff_bpm0i02aY_mean vs Slug



Right In: 3.752+/-0.468 χ^2/NDF: 5626.5/22

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 2.448+/-0.433 χ^2/NDF: 6964.7/28

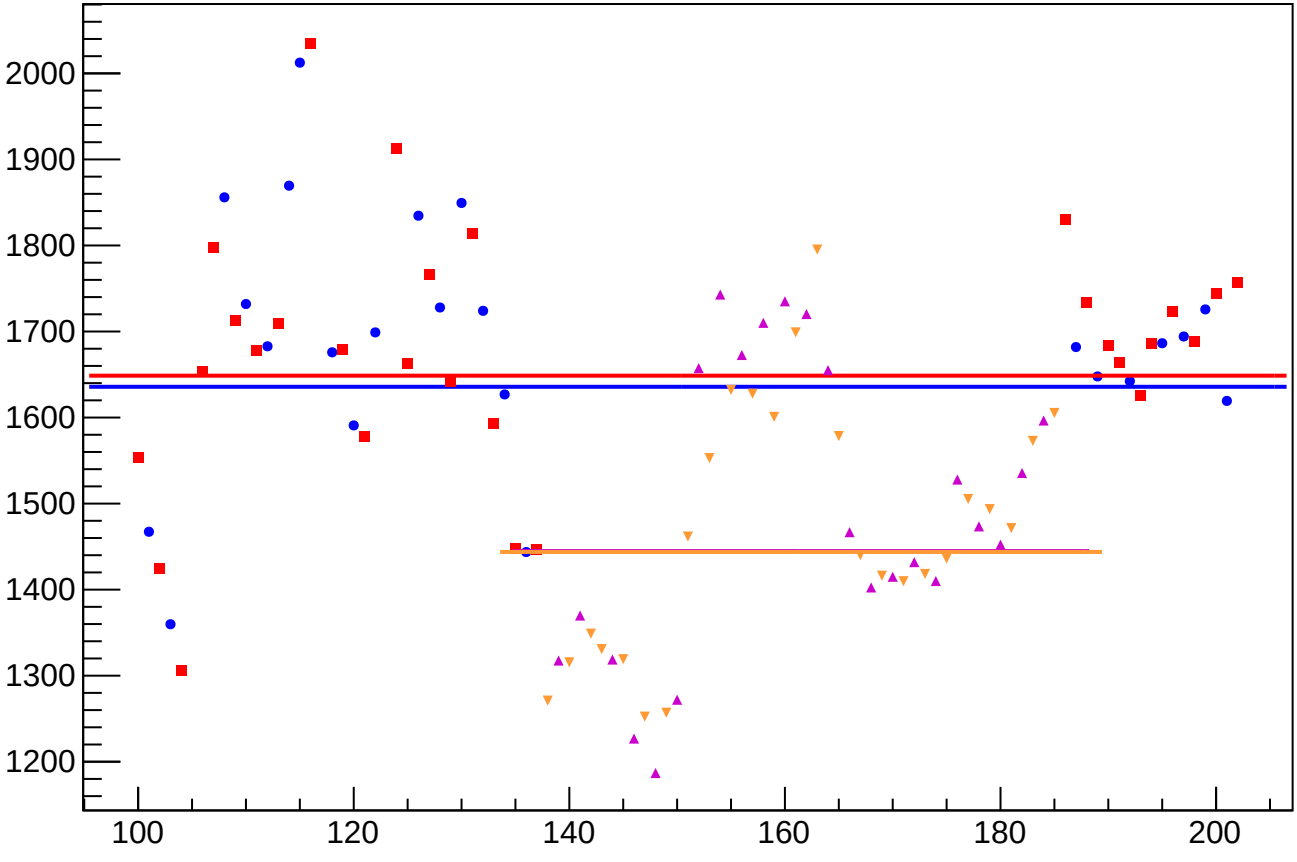
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 15.645+/-0.270 χ^2/NDF: 10756.4/47

All: 12.290+/-0.190 χ^2/NDF: 25023.7/99

- sign 8.987+/-0.267 χ^2/NDF: 13959.9/51

diff_bpm0i02aY_rms vs Slug



Right In: 1635.754+/-0.331 χ^2/NDF: 166481.0/22

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1648.673+/-0.306 χ^2/NDF: 207040.6/28

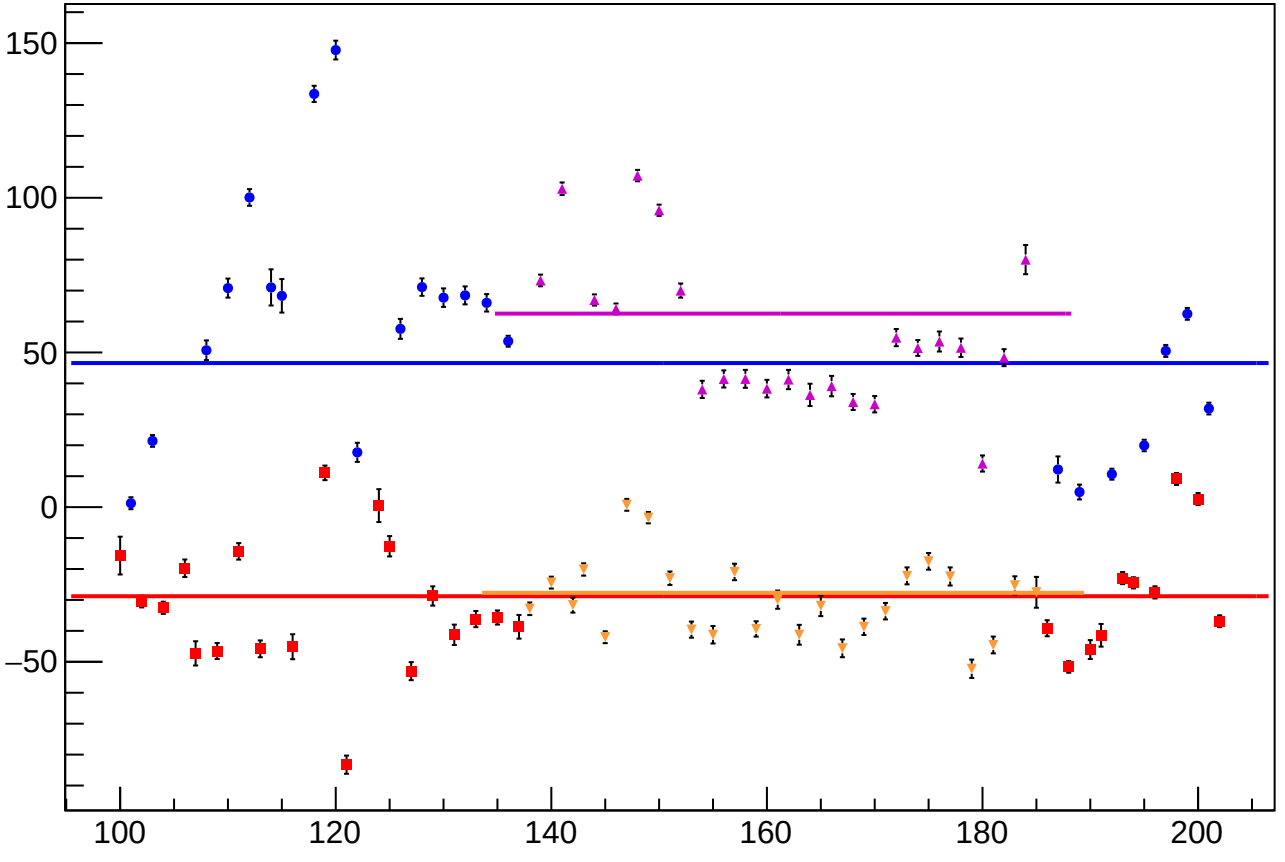
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1507.621+/-0.191 χ^2/NDF: 743857.2/47

All: 1515.126+/-0.134 χ^2/NDF: 1713193.0/99

- sign 1522.516+/-0.189 χ^2/NDF: 966258.9/51

diff_bpm0i05X_mean vs Slug



Right In: 46.573+/-0.508 χ^2/NDF: 4889.9/22

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -28.806+/-0.465 χ^2/NDF: 1854.7/28

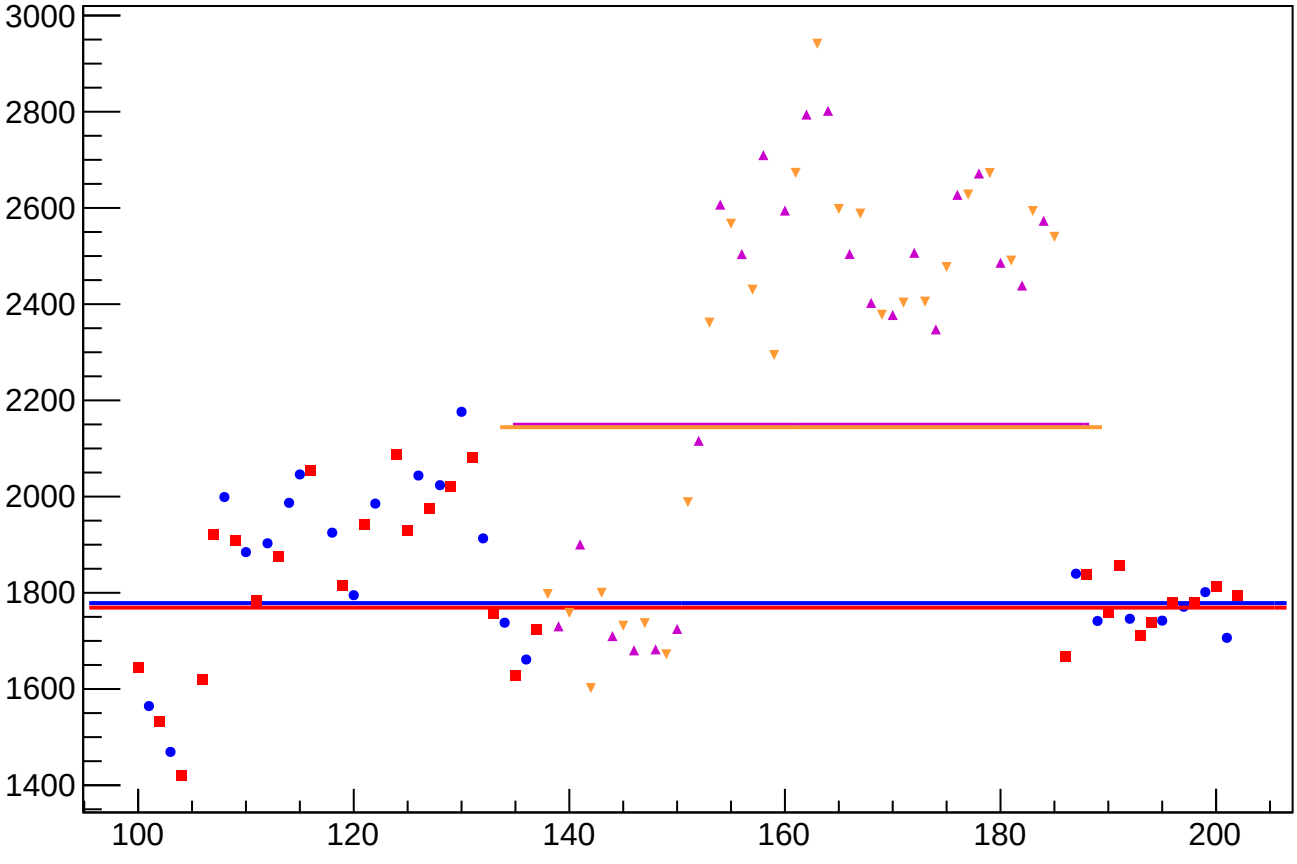
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 8.520+/-0.355 χ^2/NDF: 16586.1/47

All: 10.564+/-0.247 χ^2/NDF: 38432.1/99

- sign 12.484+/-0.344 χ^2/NDF: 21781.7/51

diff_bpm0i05X_rms vs Slug



Right In: 1778.598+/-0.360 χ^2/NDF: 200138.1/22

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1769.234+/-0.329 χ^2/NDF: 200743.6/28

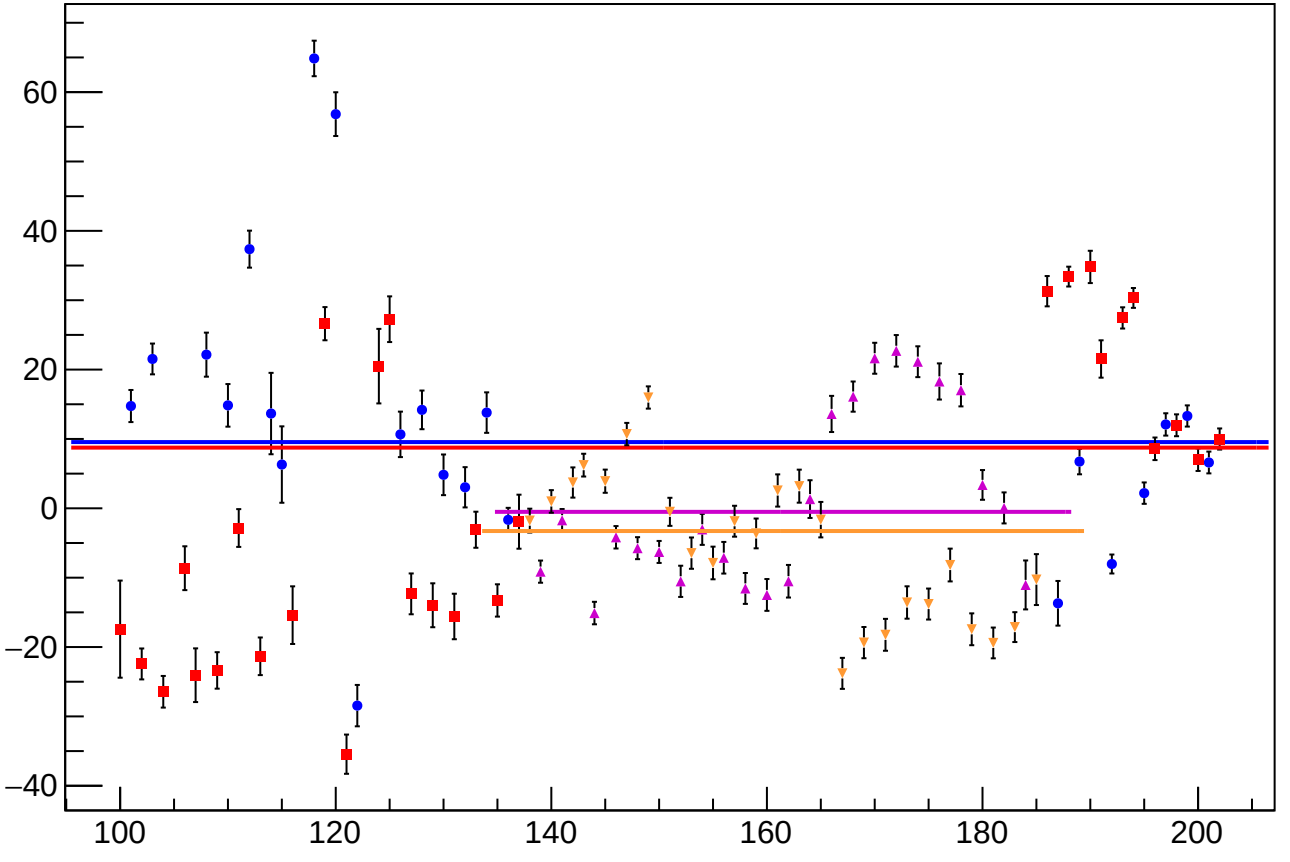
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1965.940+/-0.251 χ^2/NDF: 2009837.6/47

All: 1953.087+/-0.175 χ^2/NDF: 4086162.4/99

- sign 1941.021+/-0.243 χ^2/NDF: 2071243.9/51

diff_bpm0i05Y_mean vs Slug



Right In: 9.548+/-0.464 χ^2/NDF: 1324.9/22

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 8.750+/-0.418 χ^2/NDF: 2419.8/28

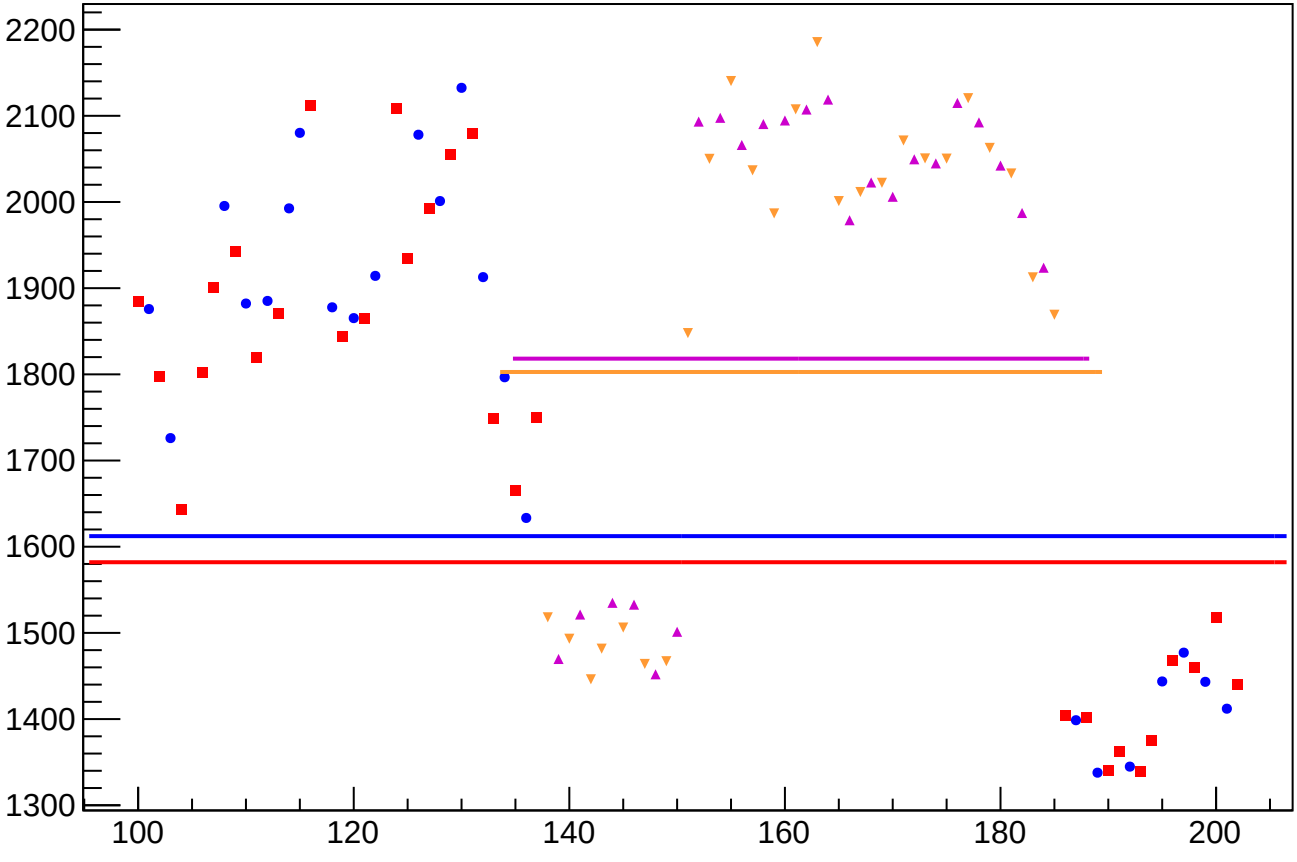
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.415+/-0.309 χ^2/NDF: 2420.4/47

All: 3.358+/-0.215 χ^2/NDF: 5842.5/99

- sign 4.244+/-0.300 χ^2/NDF: 3404.0/51

diff_bpm0i05Y_rms vs Slug



Right In: 1612.283+/-0.328 χ^2/NDF: 571469.4/22

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1582.005+/-0.296 χ^2/NDF: 599093.8/28

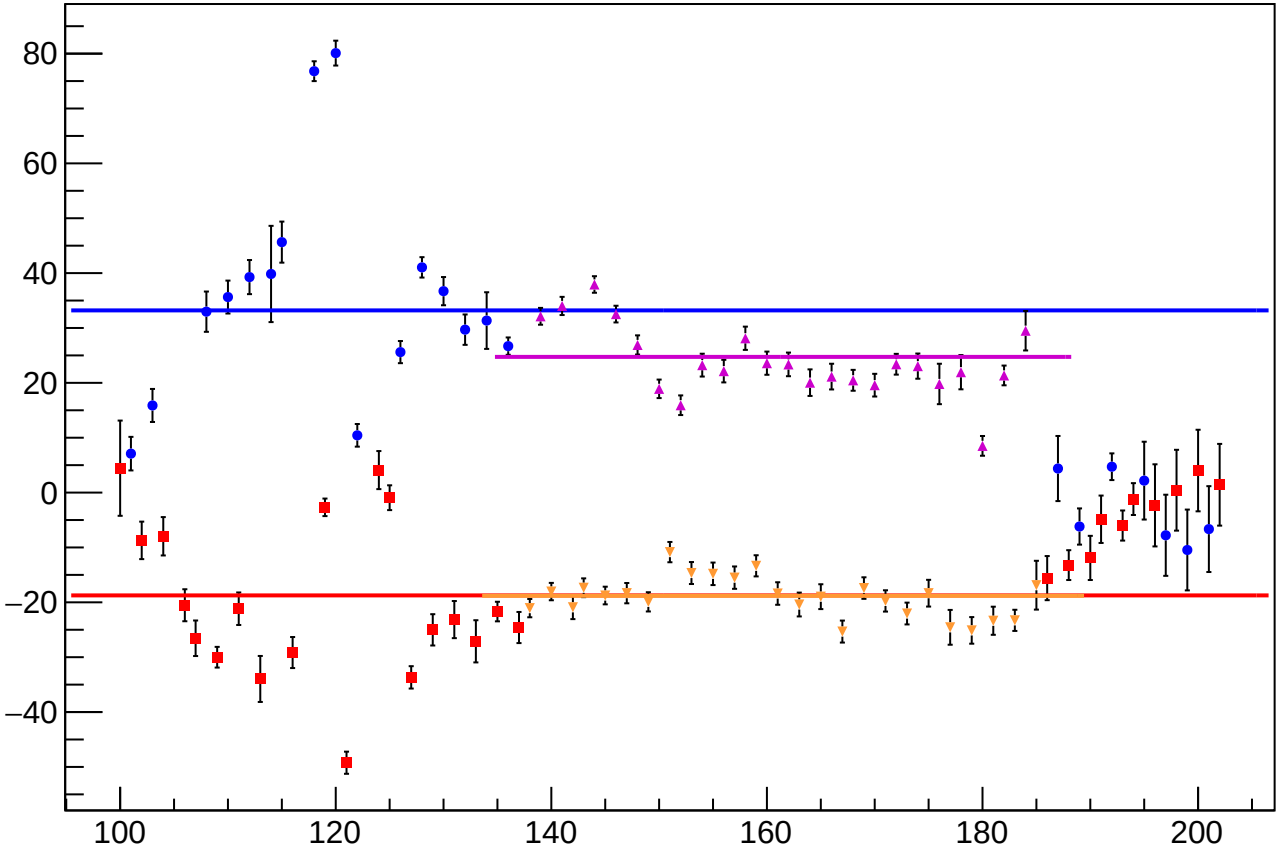
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1718.239+/-0.219 χ^2/NDF: 1656087.8/47

All: 1707.263+/-0.152 χ^2/NDF: 3410615.4/99

- sign 1696.947+/-0.212 χ^2/NDF: 1749640.3/51

diff_bpm0i07X_mean vs Slug



Right In: 33.205+/-0.583 χ^2/NDF: 1720.4/22

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

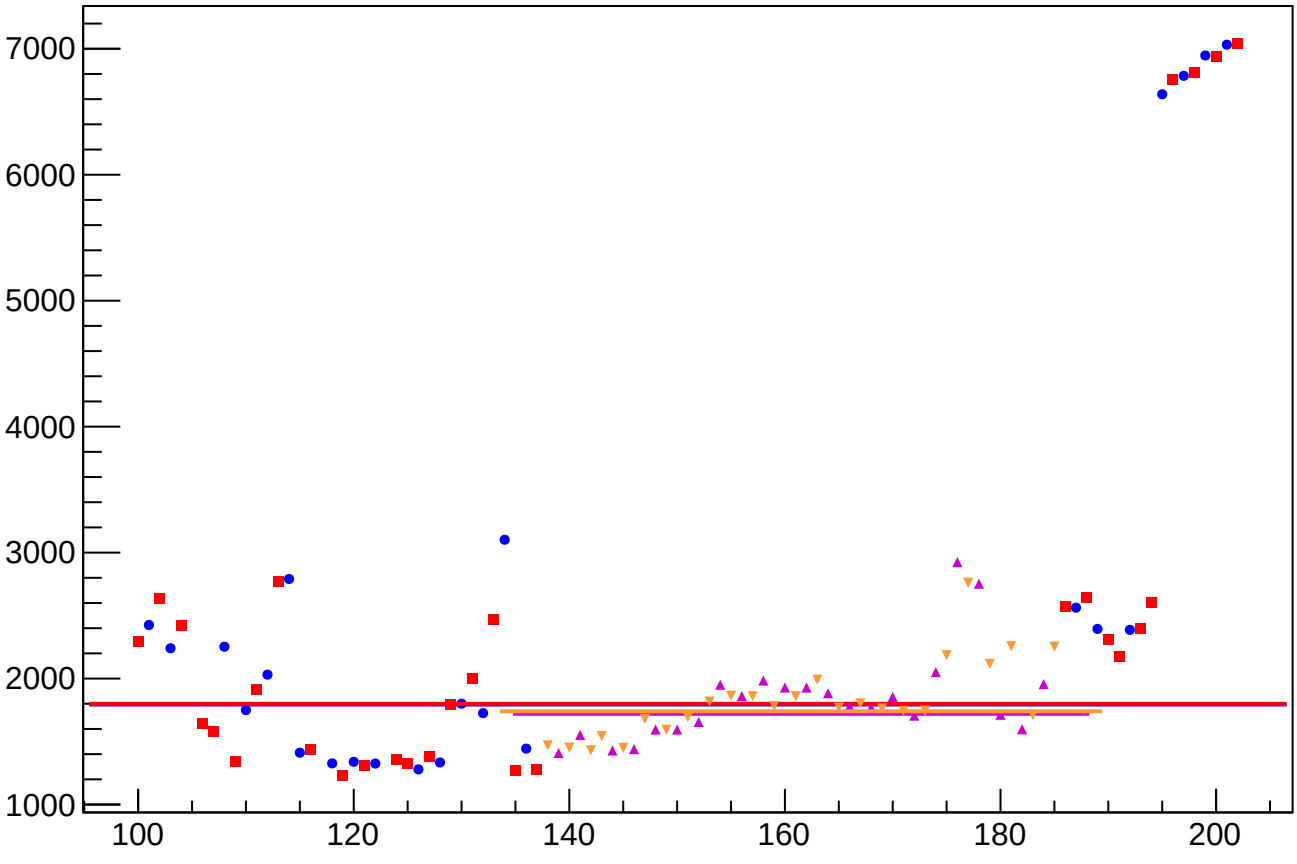
Right Out: -18.738+/-0.536 χ^2/NDF: 705.7/28

Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.050+/-0.331 χ^2/NDF: 7194.2/47

All: 3.444+/-0.232 χ^2/NDF: 12908.2/99

\- sign 8.746+/-0.325 χ^2/NDF: 5172.3/51



Right In: 1794.243+/-0.412 χ^2/NDF: 4956573.2/22

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1799.210+/-0.379 χ^2/NDF: 5667232.6/28

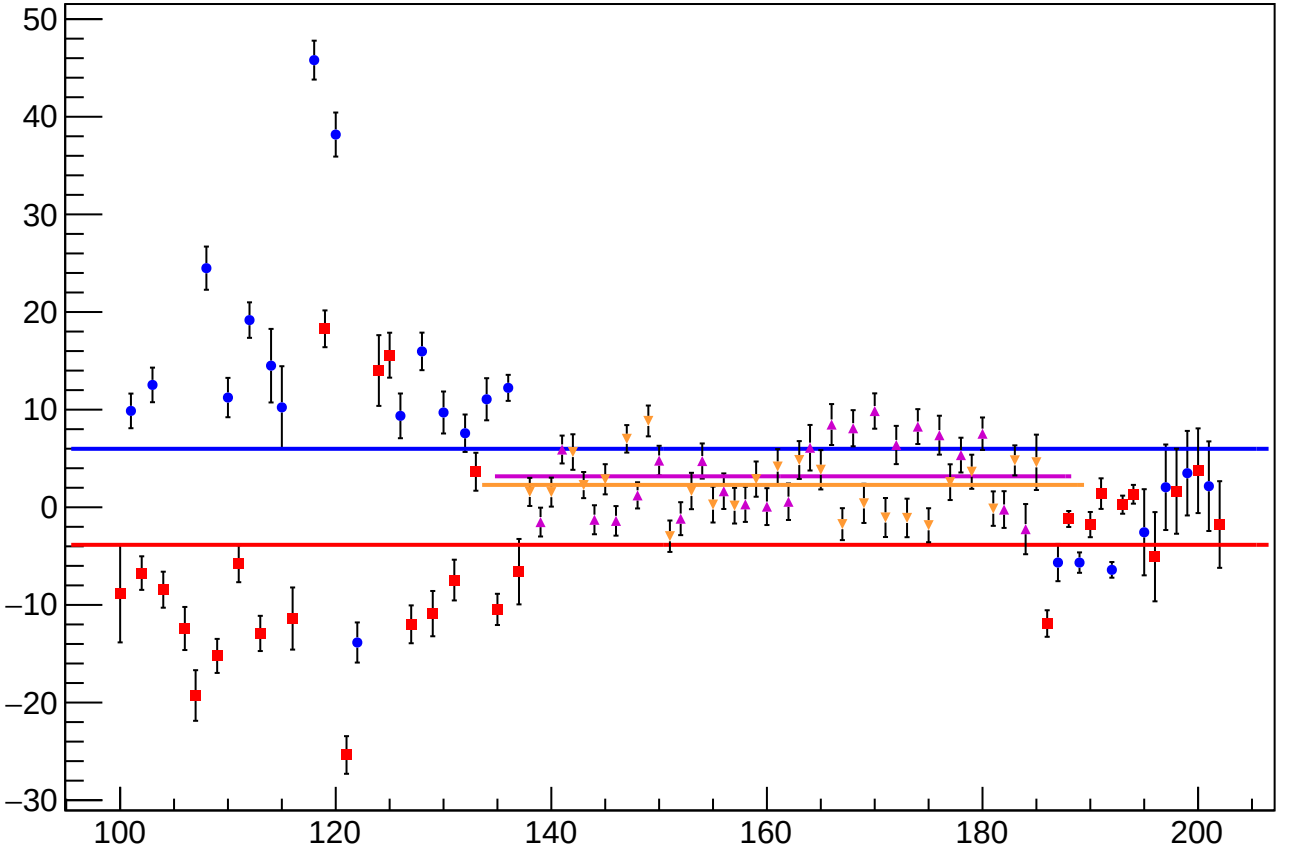
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1757.542+/-0.234 χ^2/NDF: 5721652.2/47

All: 1753.539+/-0.164 χ^2/NDF: 12300467.2/9

- sign 1749.675+/-0.230 χ^2/NDF: 6578239.6/51

diff_bpm0i07Y_mean vs Slug



Right In: 5.989+/-0.381 χ^2/NDF: 1315.7/22

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

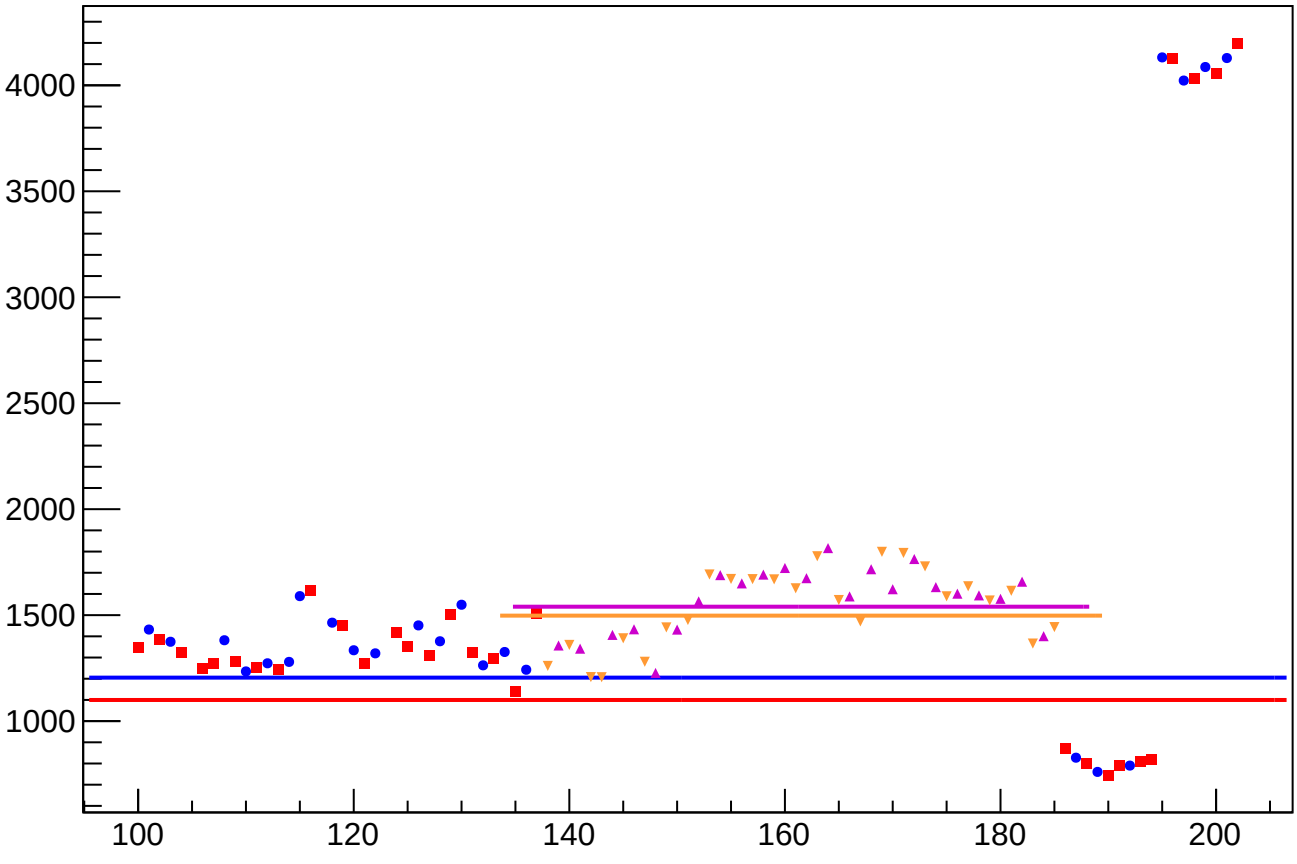
Right Out: -3.845+/-0.320 χ^2/NDF: 668.8/28

Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.948+/-0.255 χ^2/NDF: 1441.0/47

All: 1.441+/-0.175 χ^2/NDF: 2612.6/99

- sign -0.772+/-0.240 χ^2/NDF: 989.9/51



Right In: 1205.184+/-0.270 χ^2/NDF: 4610944.4/22

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

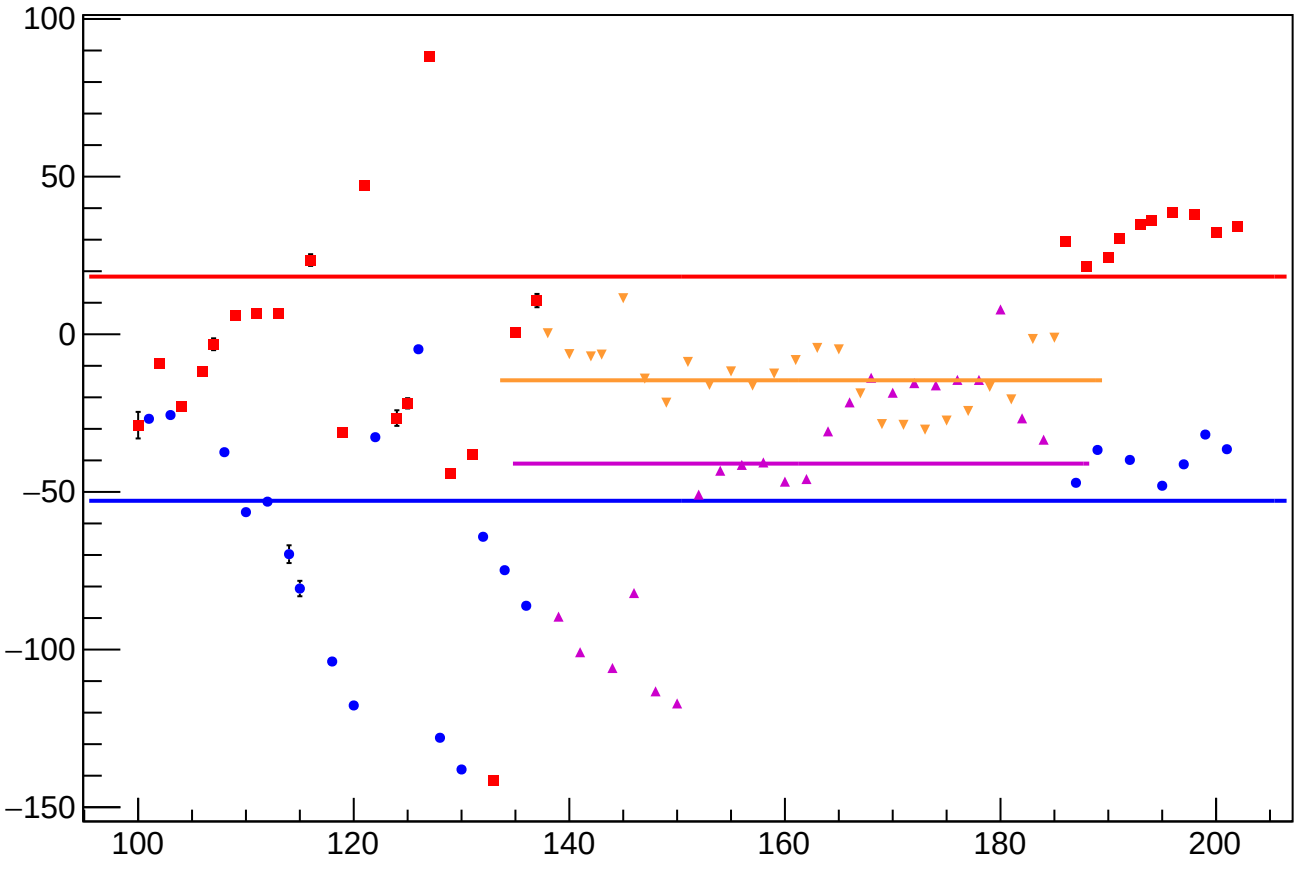
Right Out: 1099.721+/-0.226 χ^2/NDF: 5092726.7/28

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1366.711+/-0.180 χ^2/NDF: 5829241.8/47

All: 1327.270+/-0.124 χ^2/NDF: 13050460.2/9

- sign 1292.446+/-0.170 χ^2/NDF: 7131288.3/51



Right In: -52.811+/-0.222 χ^2/NDF: 17721.0/22

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 18.291+/-0.199 χ^2/NDF: 29818.4/28

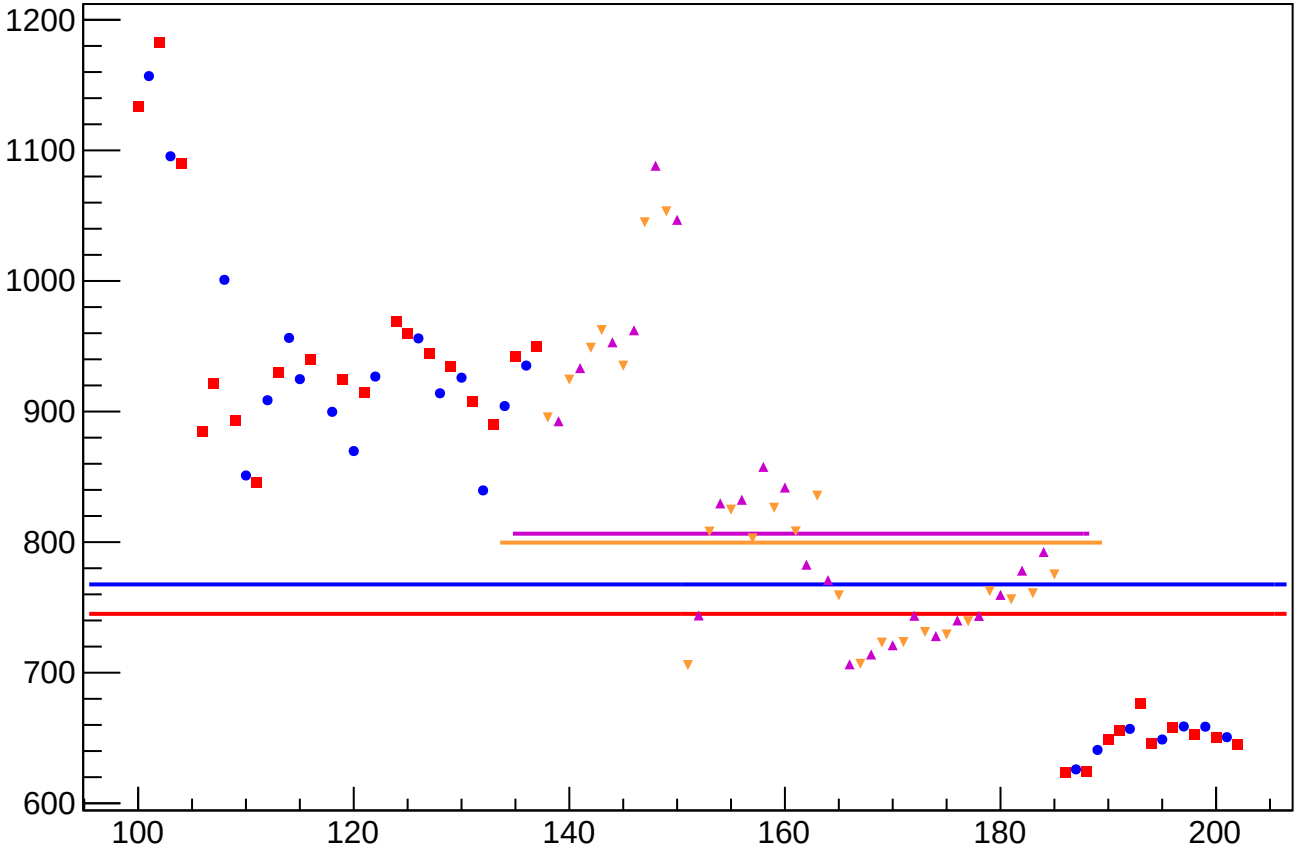
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -30.016+/-0.141 χ^2/NDF: 38484.2/47

All: -21.109+/-0.098 χ^2/NDF: 153708.9/99

- sign -12.711+/-0.137 χ^2/NDF: 107505.7/51

diff_bpm1i02X_rms vs Slug



Right In: 767.616+/-0.157 χ^2/NDF: 897066.5/22

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

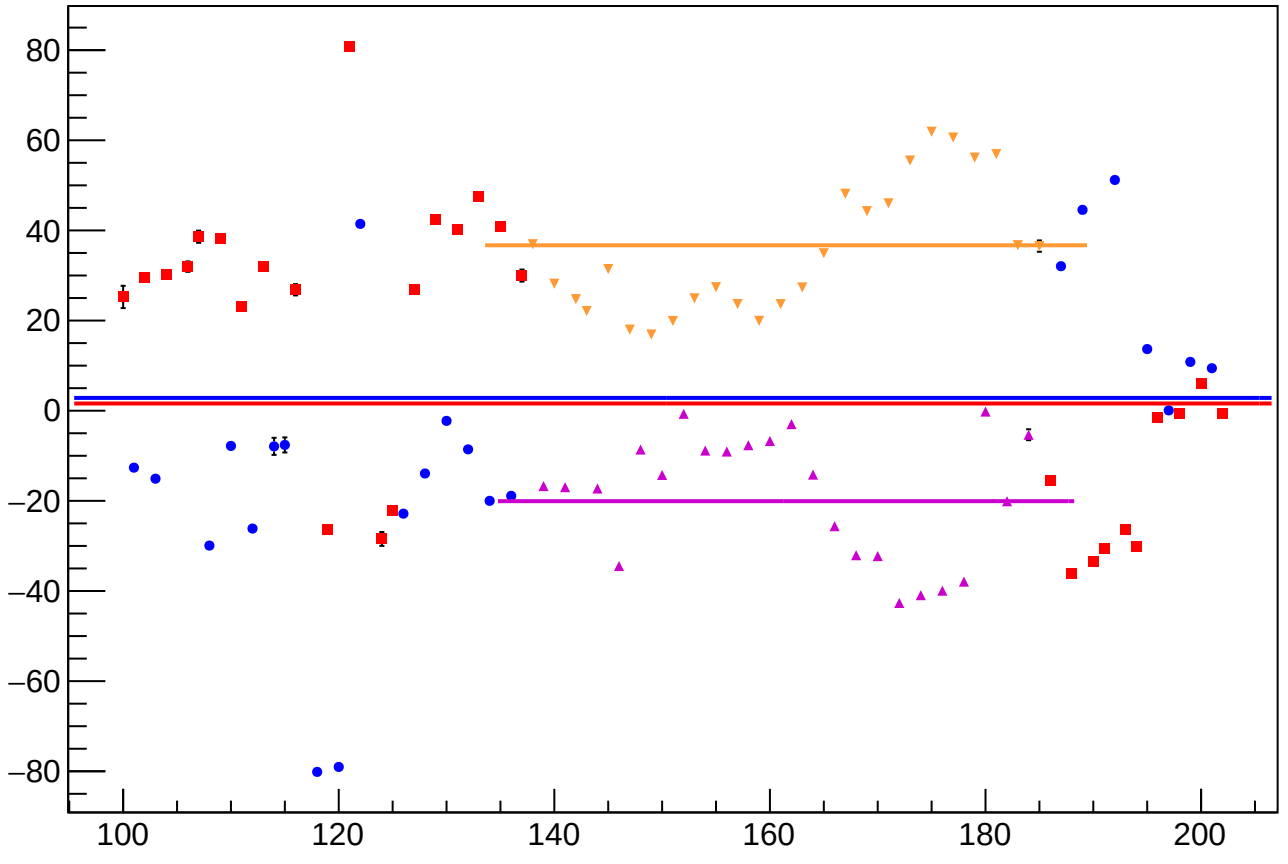
Right Out: 745.071+/-0.140 χ^2/NDF: 1080107.3/28

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 786.719+/-0.100 χ^2/NDF: 1419222.0/47

All: 781.804+/-0.070 χ^2/NDF: 3115270.7/99

- sign 777.169+/-0.097 χ^2/NDF: 1691346.2/51



Right In: 2.841+/-0.158 χ^2/NDF: 37966.6/22

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 1.600+/-0.143 χ^2/NDF: 42968.7/28

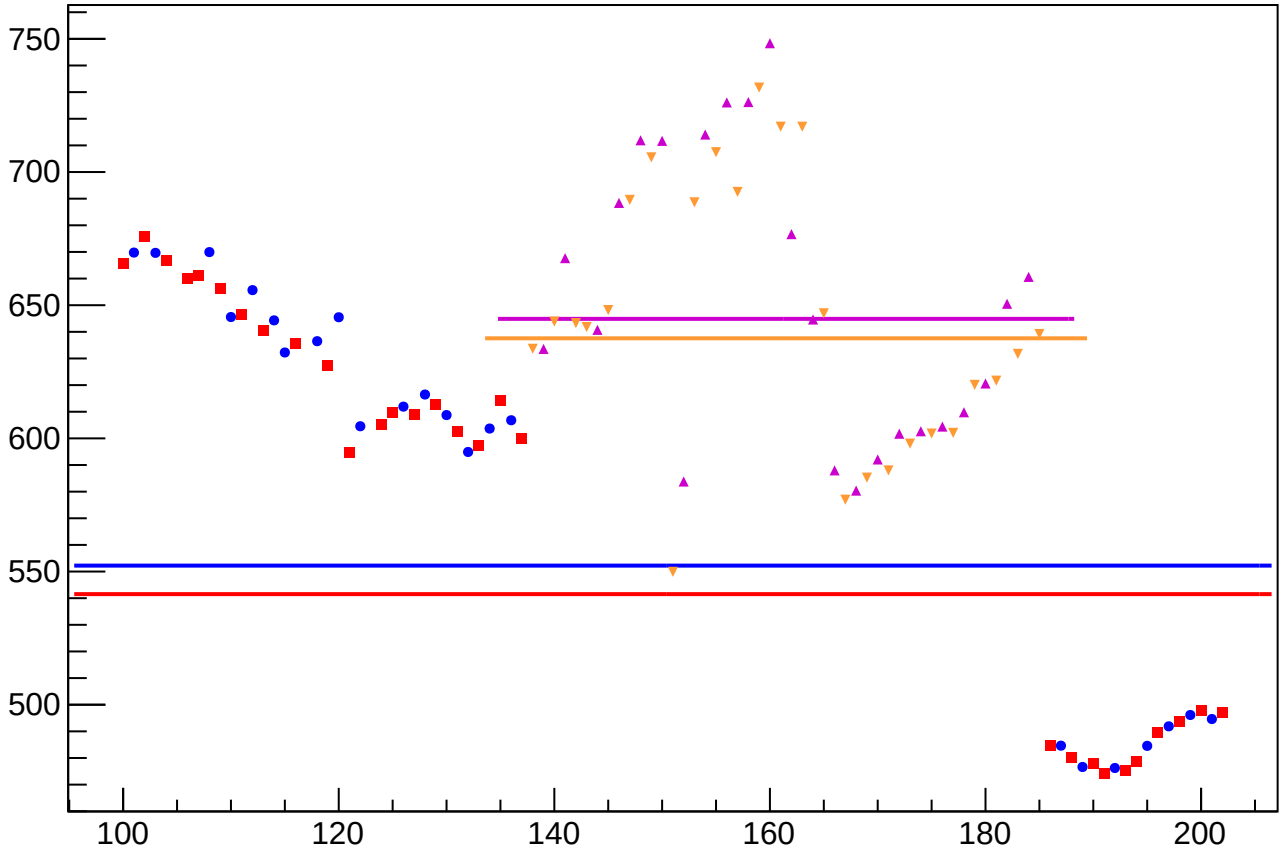
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 21.221+/-0.107 χ^2/NDF: 72989.4/47

All: 5.837+/-0.075 χ^2/NDF: 175359.3/99

- sign -8.619+/-0.104 χ^2/NDF: 62377.8/51

diff_bpm1i02Y_rms vs Slug



Right In: 552.229+/-0.112 χ^2/NDF: 432092.1/22

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 541.522+/-0.101 χ^2/NDF: 508301.1/28

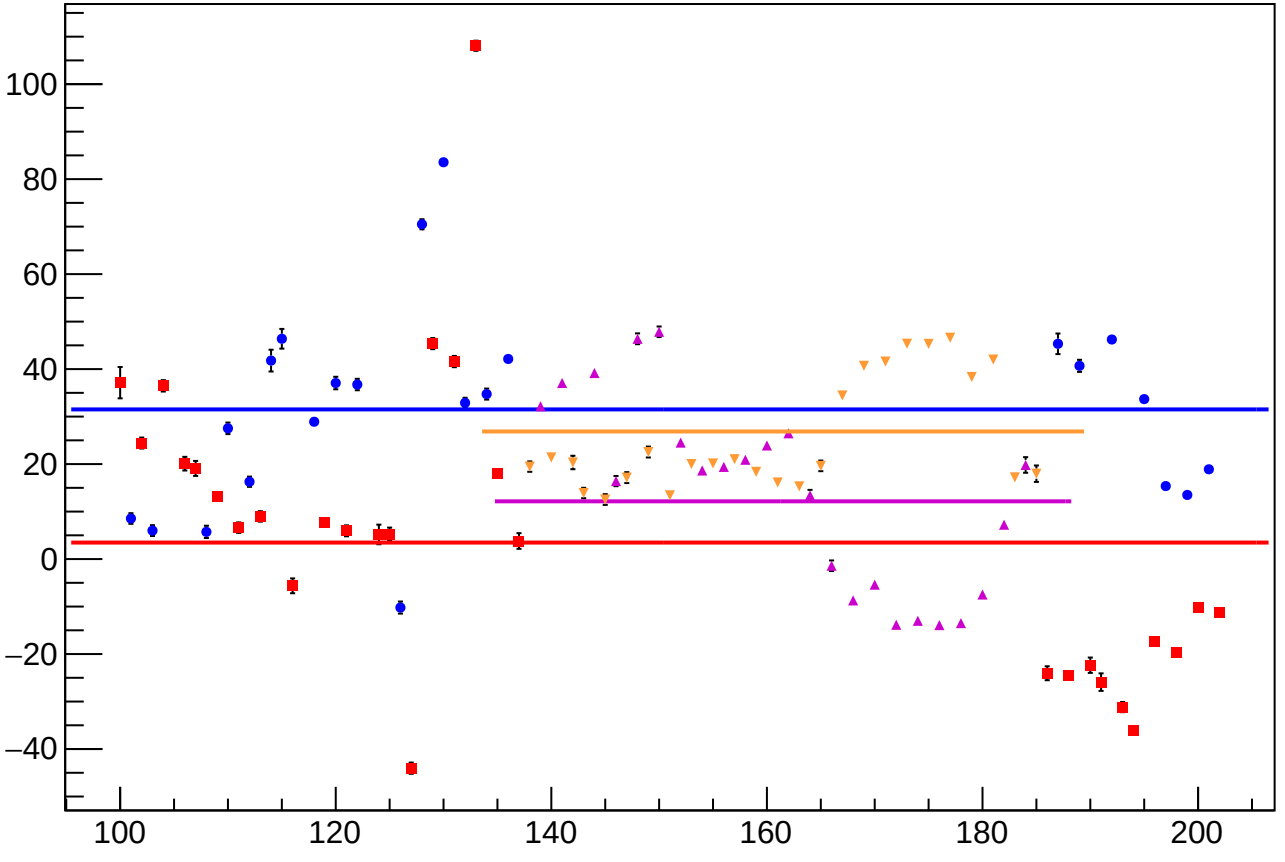
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 598.549+/-0.076 χ^2/NDF: 983539.0/47

All: 594.274+/-0.053 χ^2/NDF: 2221142.9/99

- sign 590.258+/-0.073 χ^2/NDF: 1231428.5/51

diff_bpm1i04X_mean vs Slug



Right In: 31.513+/-0.237 χ^2/NDF: 7789.0/22

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 3.474+/-0.222 χ^2/NDF: 21072.2/28

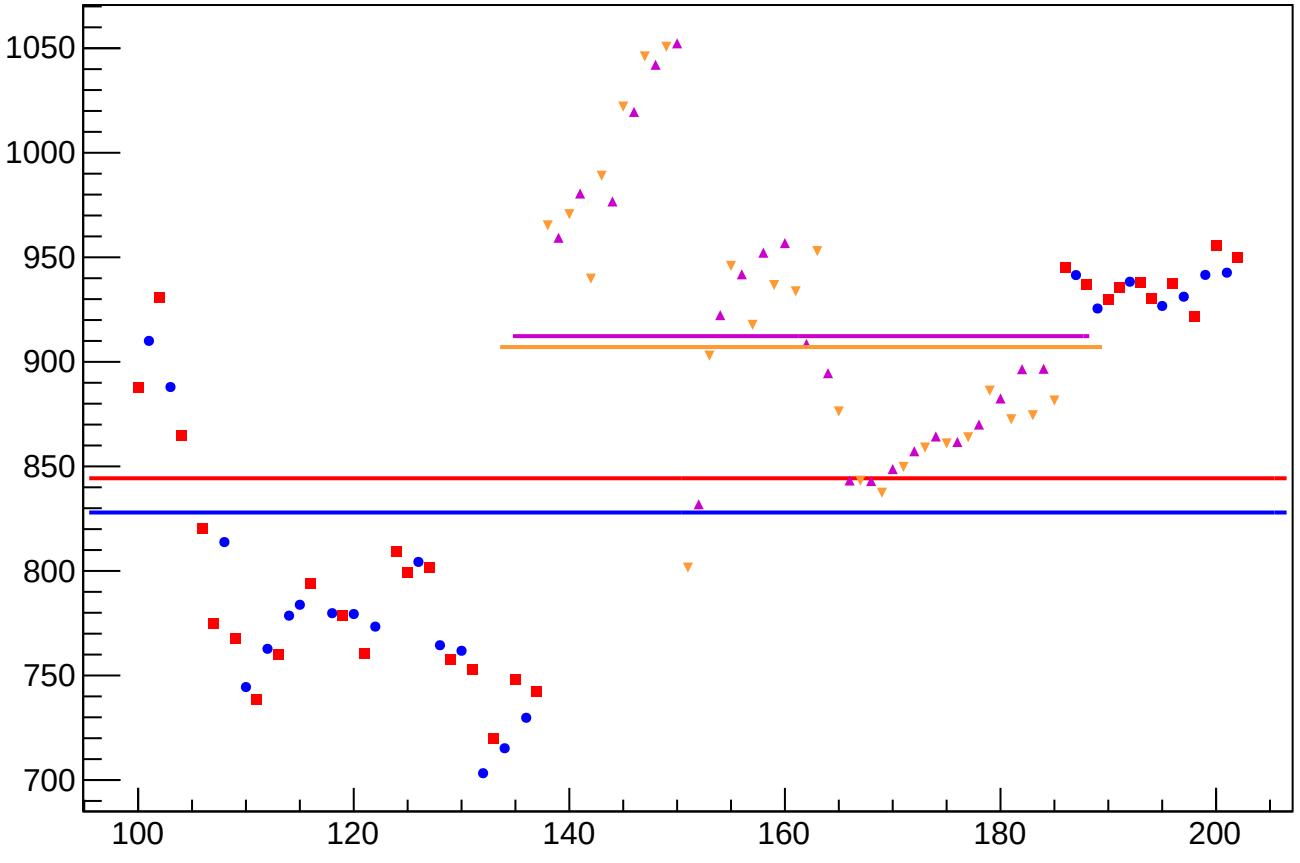
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 28.875+/-0.156 χ^2/NDF: 11397.8/47

All: 18.309+/-0.109 χ^2/NDF: 50915.2/99

- sign 7.982+/-0.154 χ^2/NDF: 30413.7/51

diff_bpm1i04X_rms vs Slug



Right In: 827.950+/-0.167 χ^2/NDF: 274929.8/22

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 844.320+/-0.157 χ^2/NDF: 302525.3/28

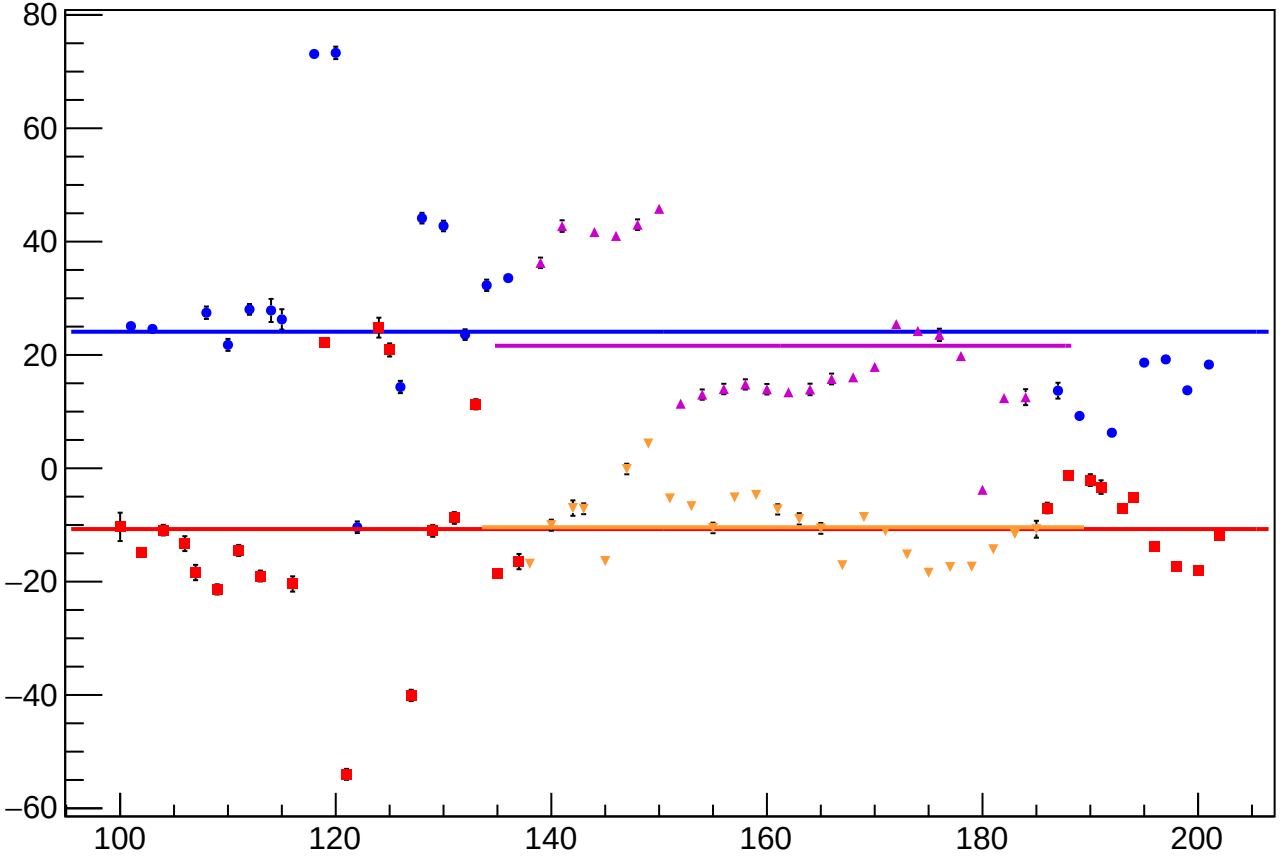
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 872.878+/-0.110 χ^2/NDF: 596305.2/47

All: 876.281+/-0.077 χ^2/NDF: 1172785.1/99

- sign 879.606+/-0.109 χ^2/NDF: 574592.2/51

diff_bpm1i04Y_mean vs Slug



Right In: 24.097+/-0.176 χ^2/NDF: 9325.7/22

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -10.724+/-0.165 χ^2/NDF: 7301.6/28

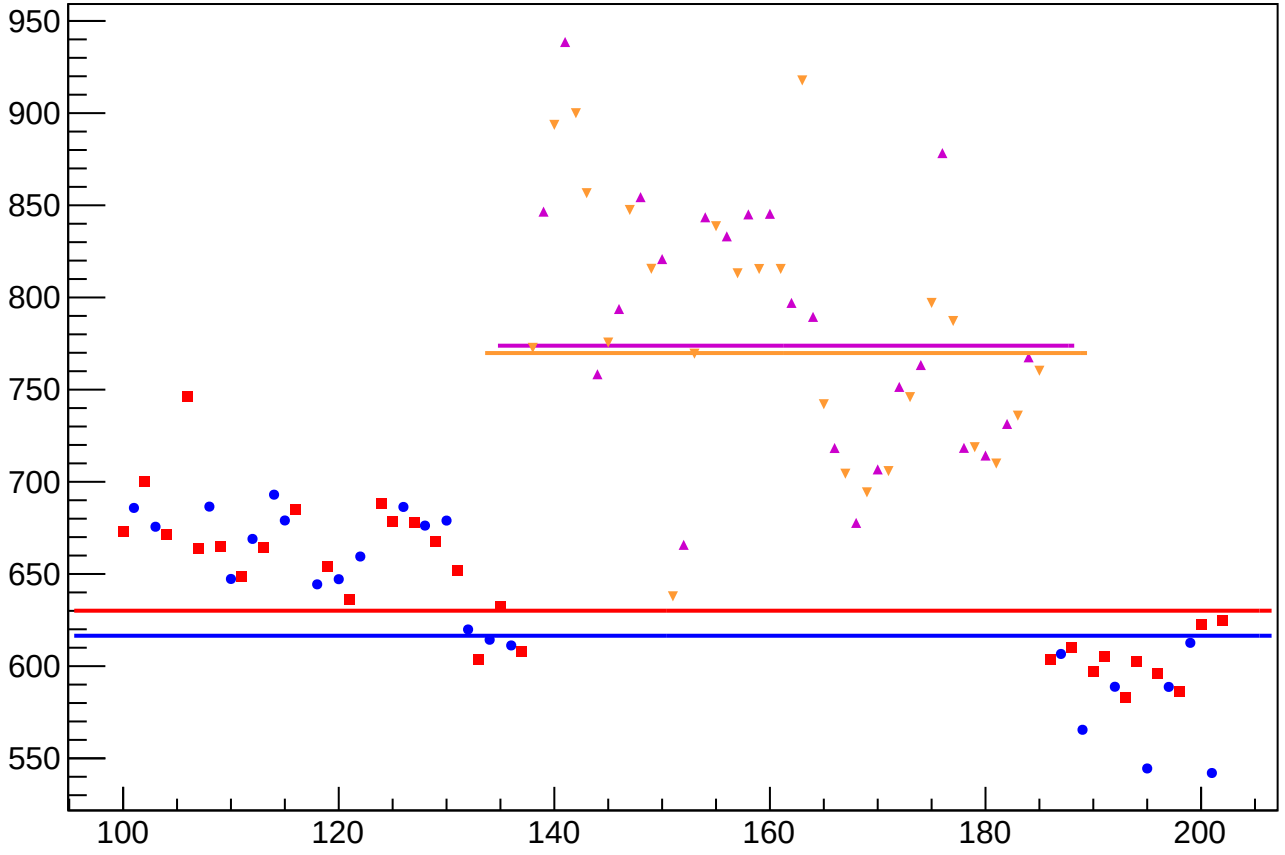
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 6.808+/-0.125 χ^2/NDF: 29541.7/47

All: 5.325+/-0.087 χ^2/NDF: 59683.8/99

- sign 3.896+/-0.122 χ^2/NDF: 29863.9/51

diff_bpm1i04Y_rms vs Slug



Right In: 616.496+/-0.125 χ^2/NDF: 152951.0/22

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 630.081+/-0.117 χ^2/NDF: 97375.5/28

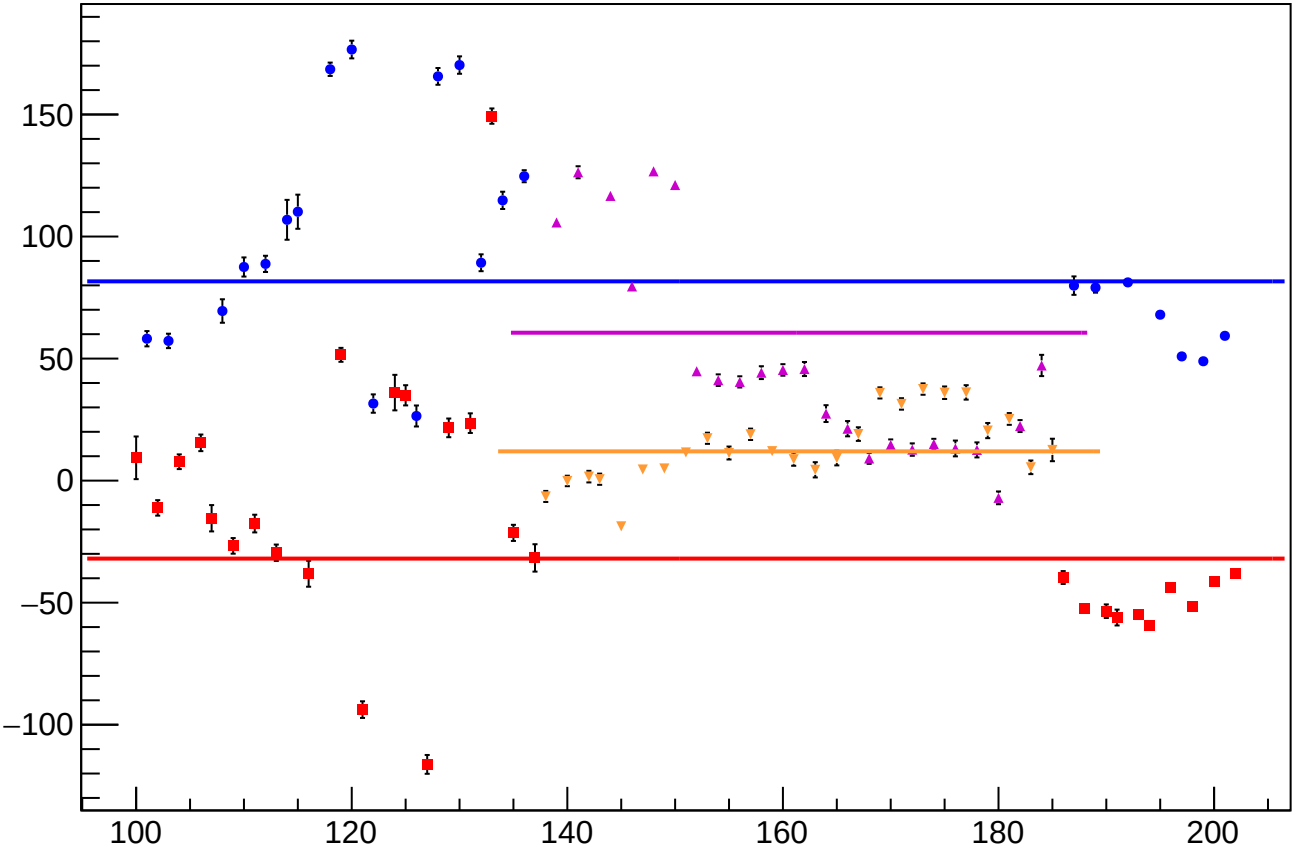
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 693.341+/-0.088 χ^2/NDF: 1215023.7/47

All: 694.217+/-0.062 χ^2/NDF: 2279779.0/99

- sign 695.062+/-0.086 χ^2/NDF: 1064560.9/51

diff_bpm1i06X_mean vs Slug



Right In: 81.635+/-0.551 χ^2/NDF: 4670.4/22

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -31.939+/-0.506 χ^2/NDF: 7102.4/28

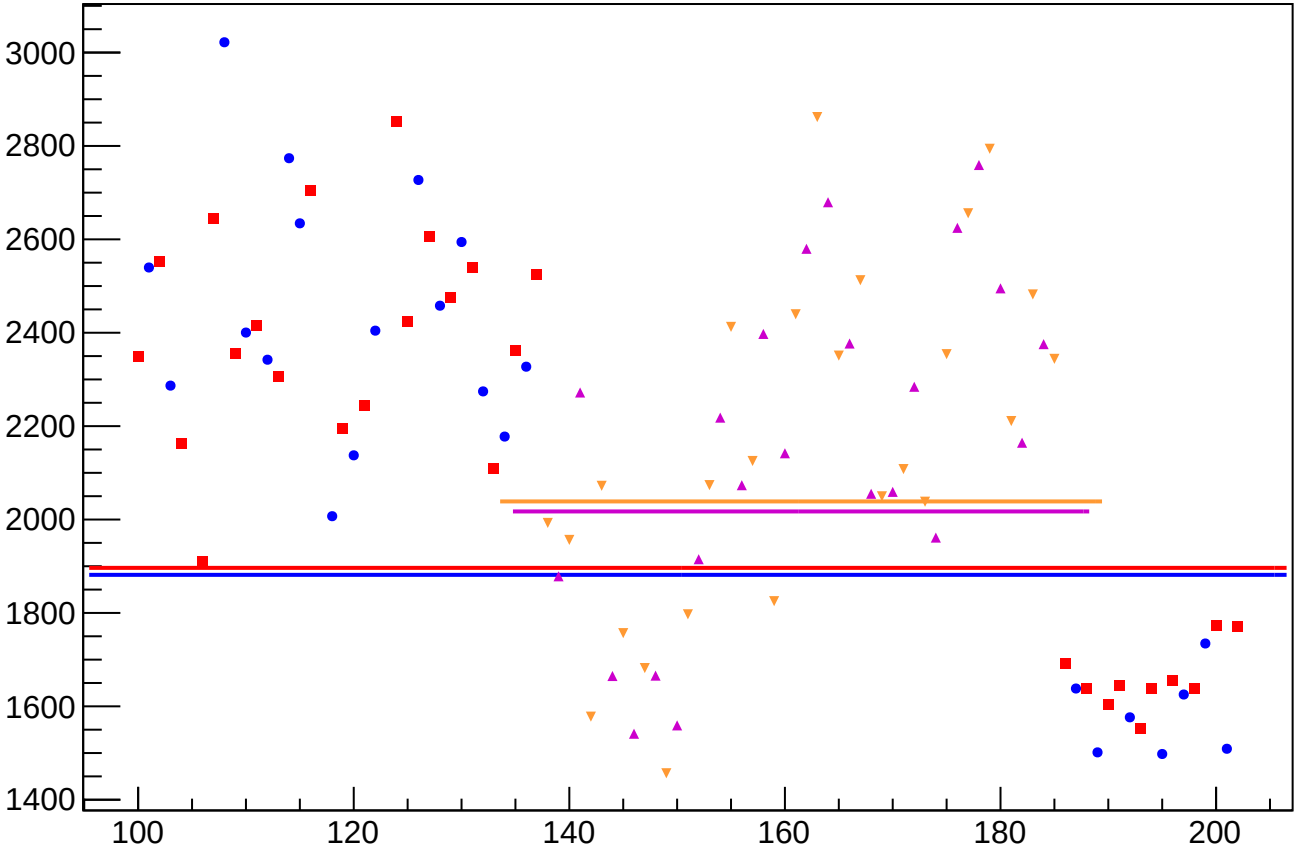
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 41.447+/-0.358 χ^2/NDF: 14844.6/47

All: 28.723+/-0.250 χ^2/NDF: 50617.4/99

- sign 16.673+/-0.349 χ^2/NDF: 33315.7/51

diff_bpm1i06X_rms vs Slug



Right In: 1881.552+/-0.389 χ^2/NDF: 1137429.0/22

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1896.516+/-0.358 χ^2/NDF: 960097.4/28

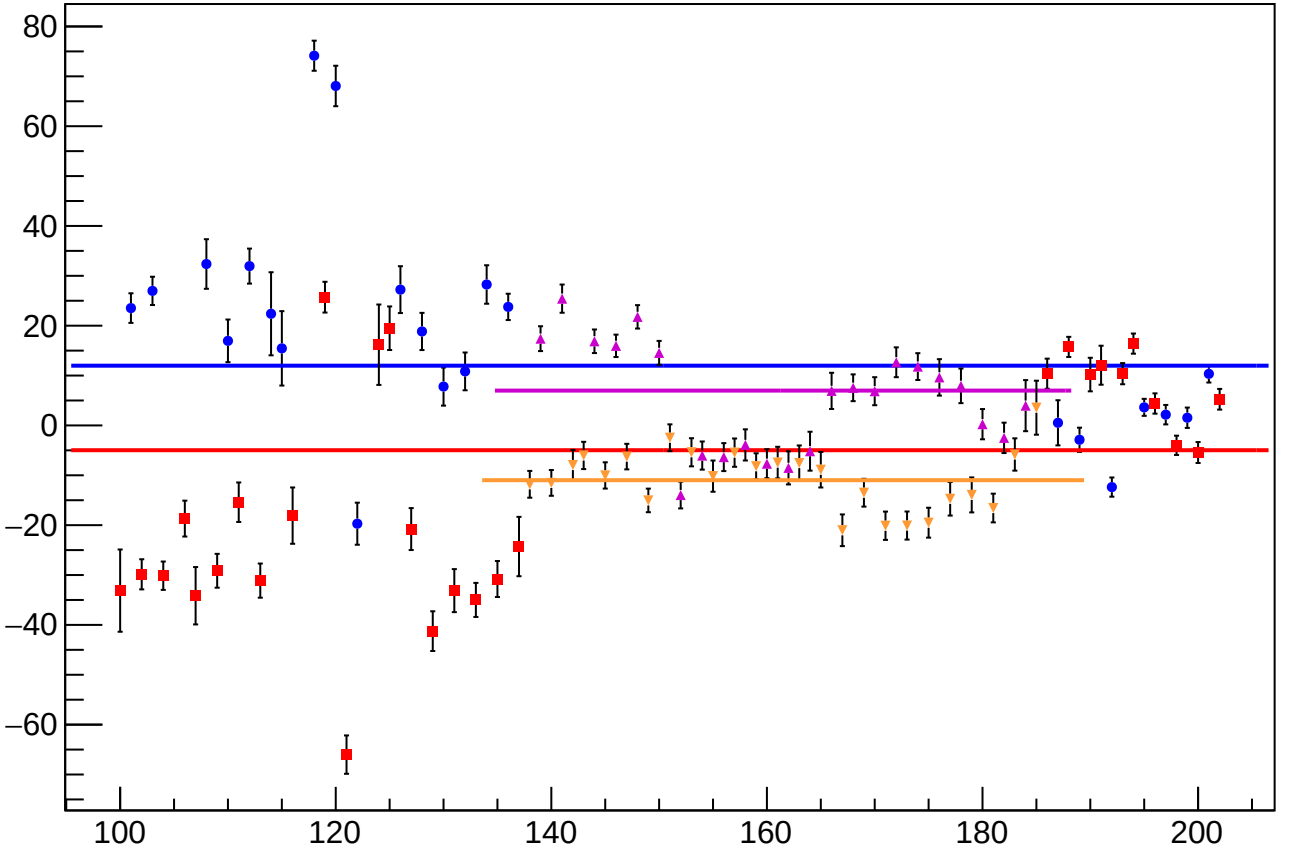
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1972.278+/-0.253 χ^2/NDF: 2355002.4/47

All: 1965.963+/-0.177 χ^2/NDF: 4426265.6/99

- sign 1959.983+/-0.246 χ^2/NDF: 2070052.7/51

diff_bpm1i06Y_mean vs Slug



Right In: 11.979+/-0.597 χ^2/NDF: 1100.5/22

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

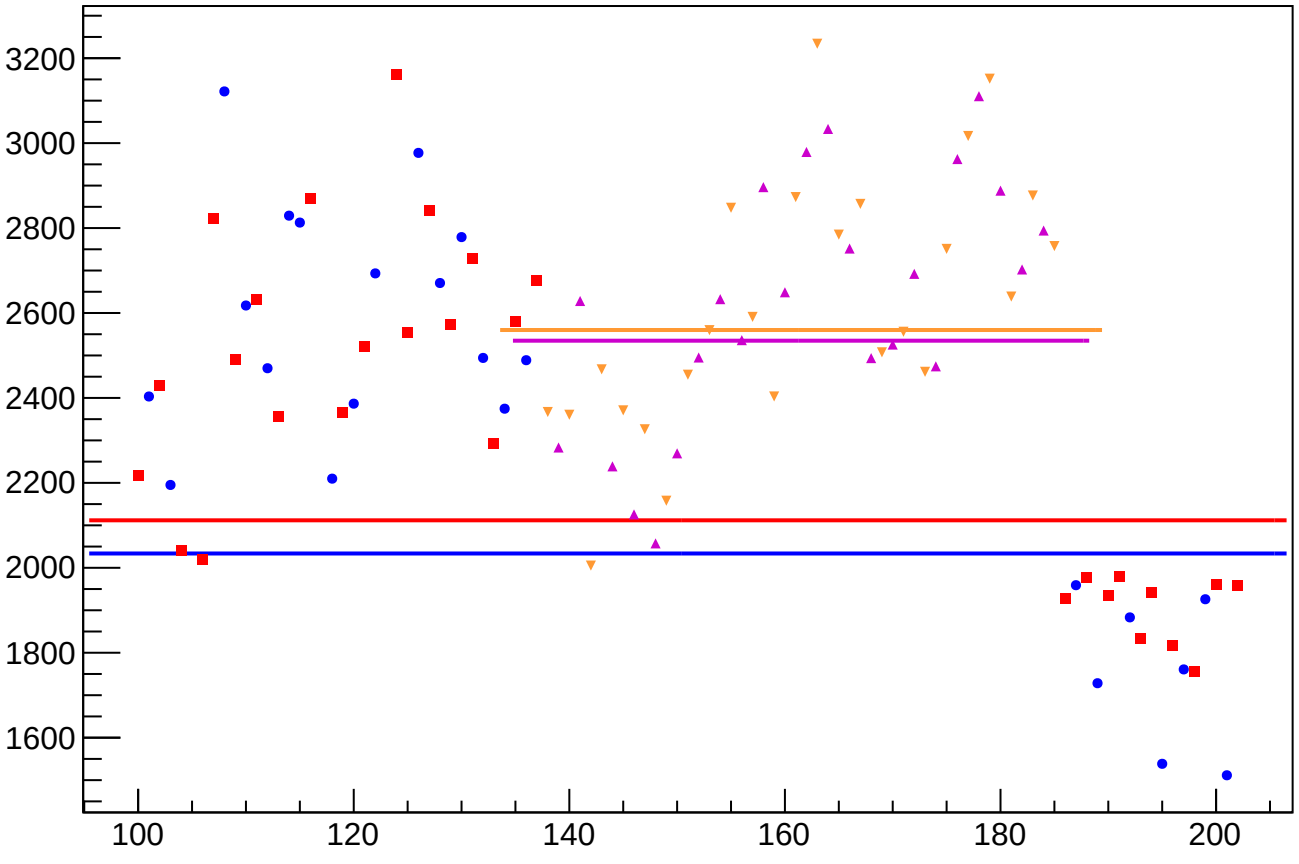
Right Out: -4.970+/-0.561 χ^2/NDF: 1368.3/28

Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign 0.281+/-0.418 χ^2/NDF: 1941.8/47

All: 0.456+/-0.293 χ^2/NDF: 3862.3/99

- sign 0.624+/-0.409 χ^2/NDF: 1920.2/51



Right In: 2033.705+/-0.422 χ^2/NDF: 1070212.1/22

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

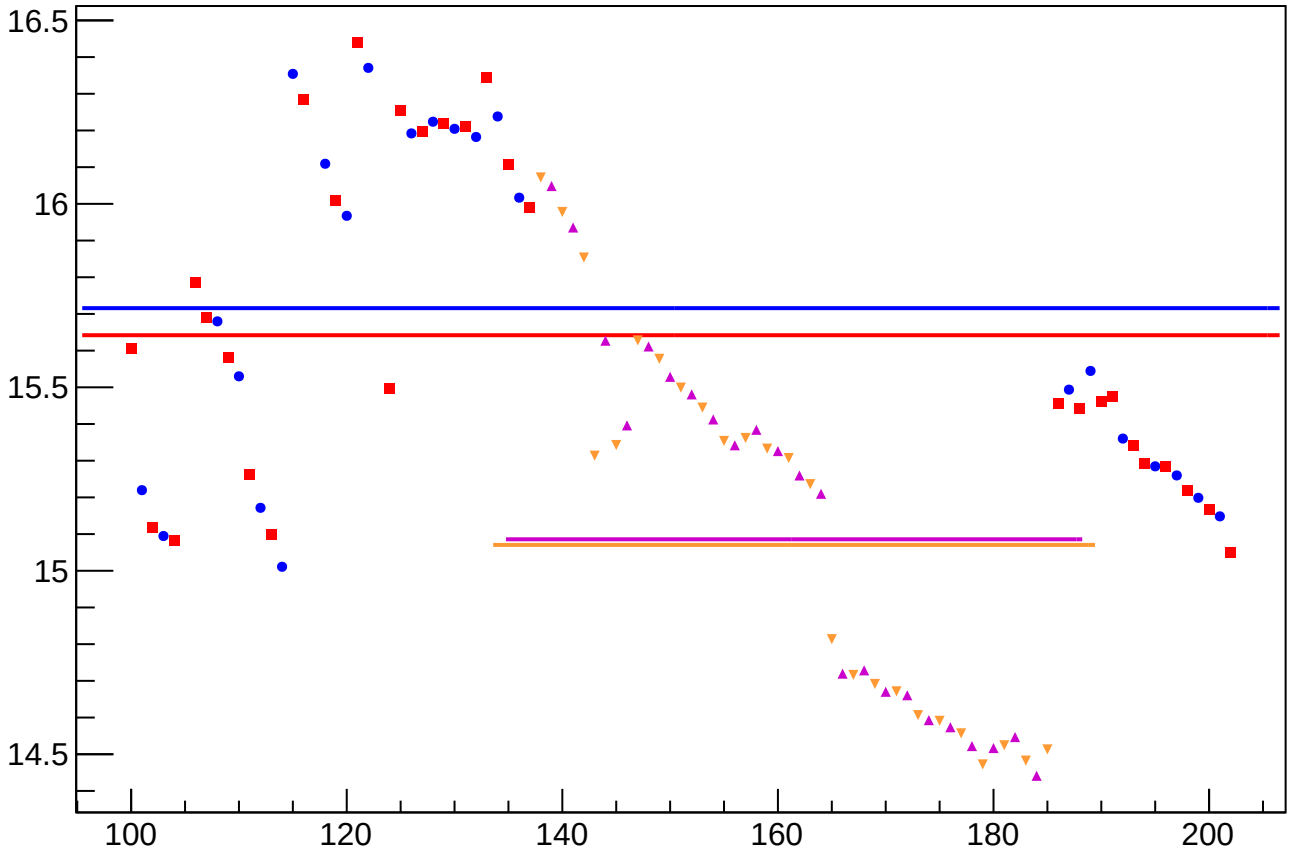
Right Out: 2111.815+/-0.397 χ^2/NDF: 640773.7/28

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2301.760+/-0.296 χ^2/NDF: 2311948.1/47

All: 2305.836+/-0.207 χ^2/NDF: 3948230.4/99

- sign 2309.743+/-0.289 χ^2/NDF: 1635910.1/51



Right In: 15.716+/-0.000 χ^2/NDF: 12067810186.8/22

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.642+/-0.000 χ^2/NDF: 13614454454.8/28

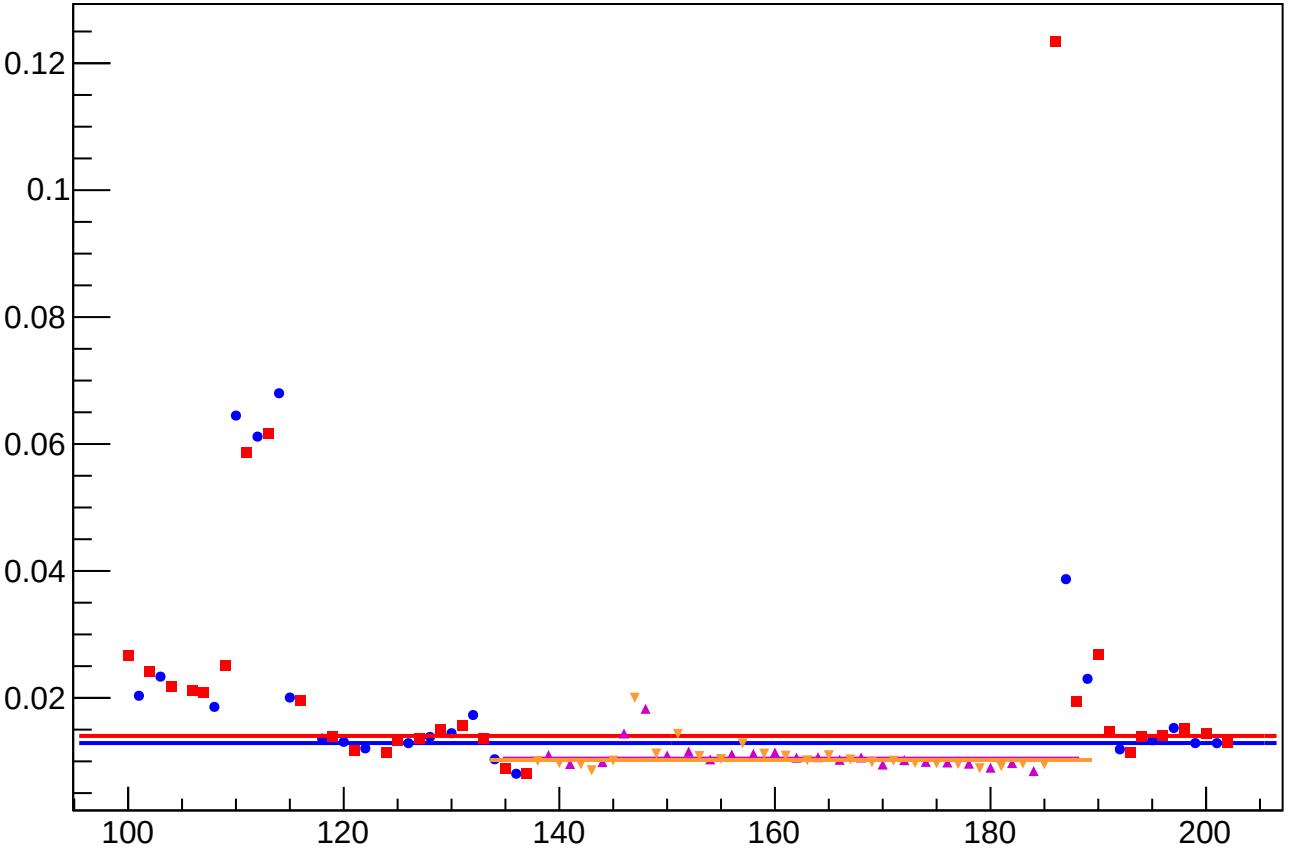
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.240+/-0.000 χ^2/NDF: 74746136558.5/47

All: 15.241+/-0.000 χ^2/NDF: 141576415863.

- sign 15.242+/-0.000 χ^2/NDF: 66829643107.5/51

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2738075.3/22

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

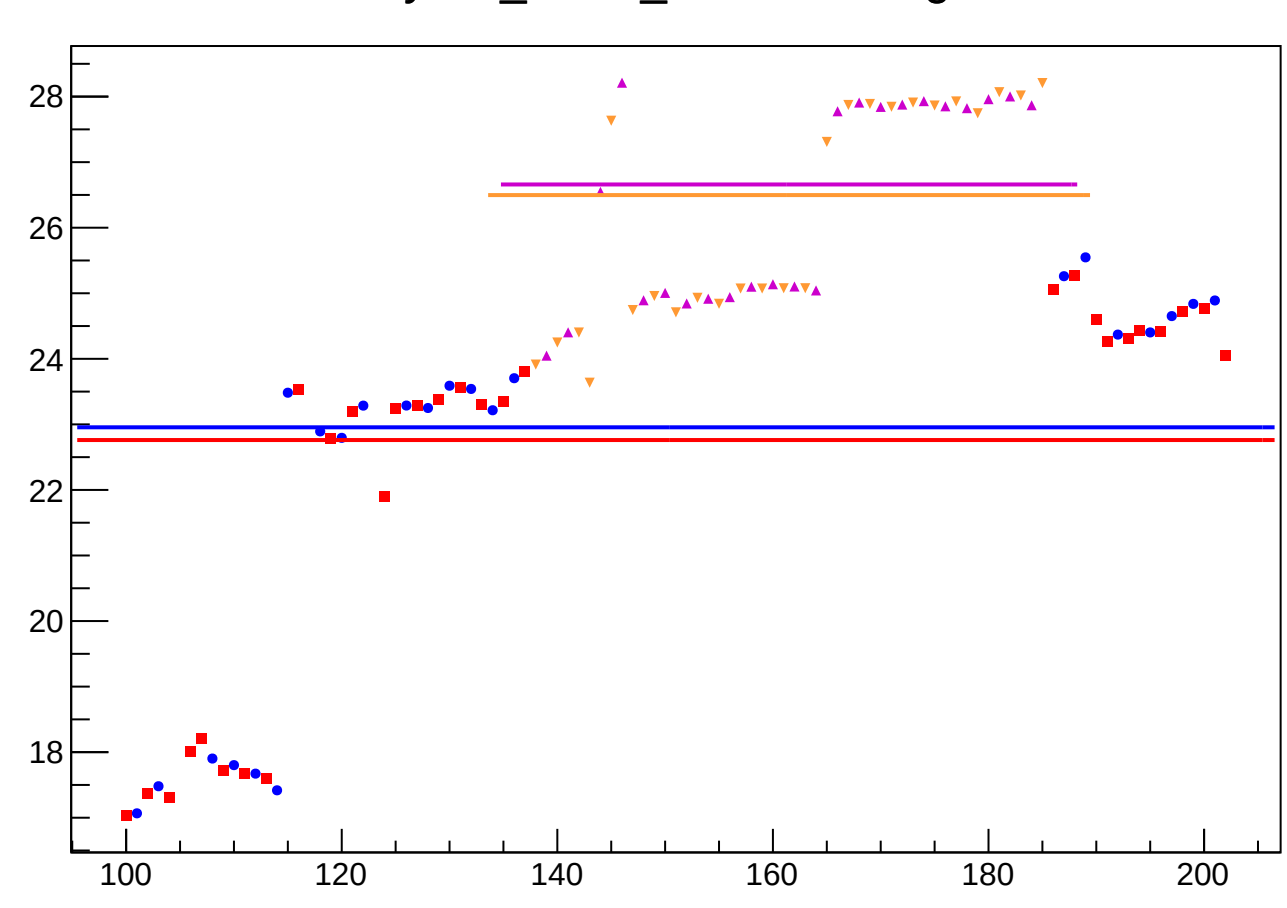
Right Out: 0.014+/-0.000 χ^2/NDF: 3244142.1/28

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4146024.4/47

All: 0.011+/-0.000 χ^2/NDF: 9181463.1/99

- sign 0.011+/-0.000 χ^2/NDF: 4974969.4/51



Right In: 22.955+/-0.000 χ^2/NDF: 1381492583.5/22

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.761+/-0.000 χ^2/NDF: 1472115825.3/28

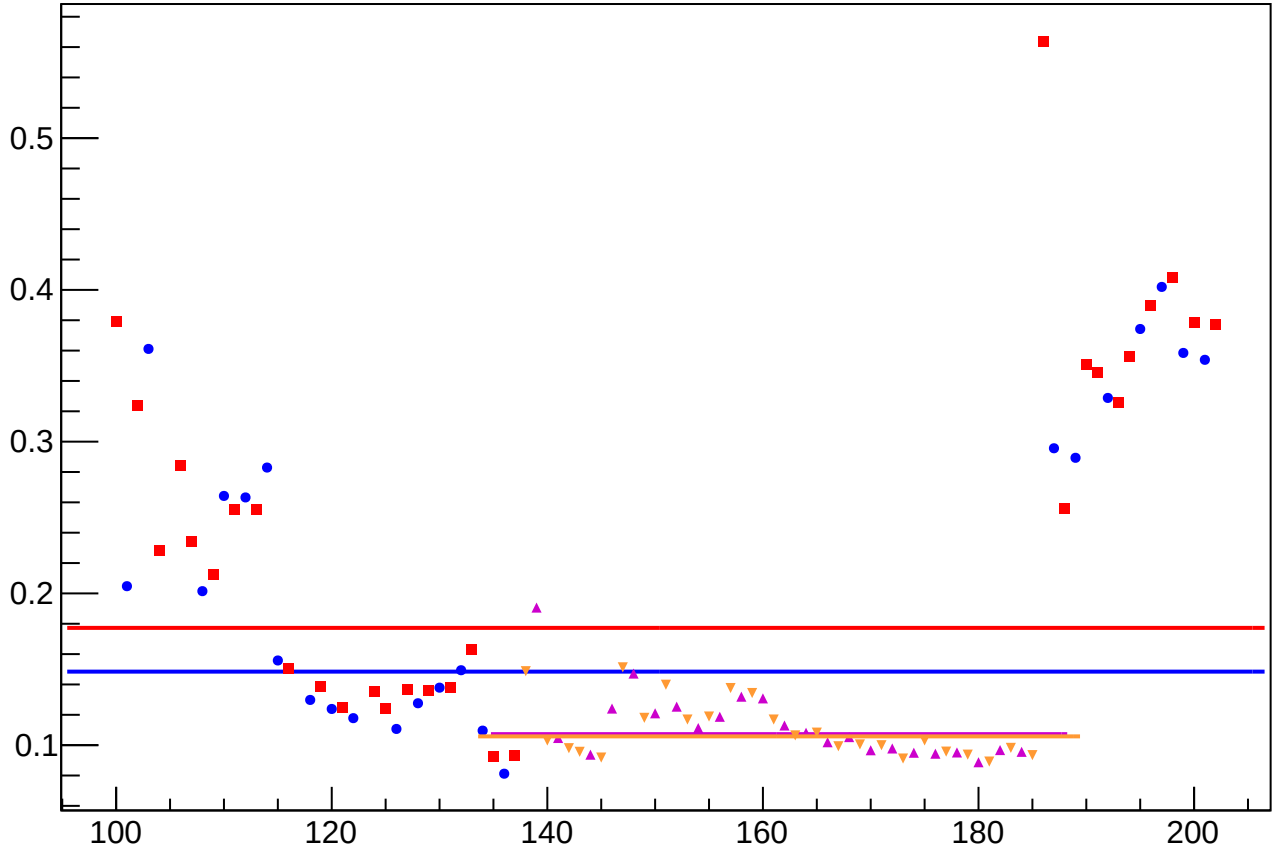
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.768+/-0.000 χ^2/NDF: 9124431583.7/47

All: 25.824+/-0.000 χ^2/NDF: 17595353660.9

- sign 25.887+/-0.000 χ^2/NDF: 8458419800.1/51

yield_sam2_rms vs Slug



Right In: 0.148+/-0.000 χ^2/NDF: 5449243.0/22

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

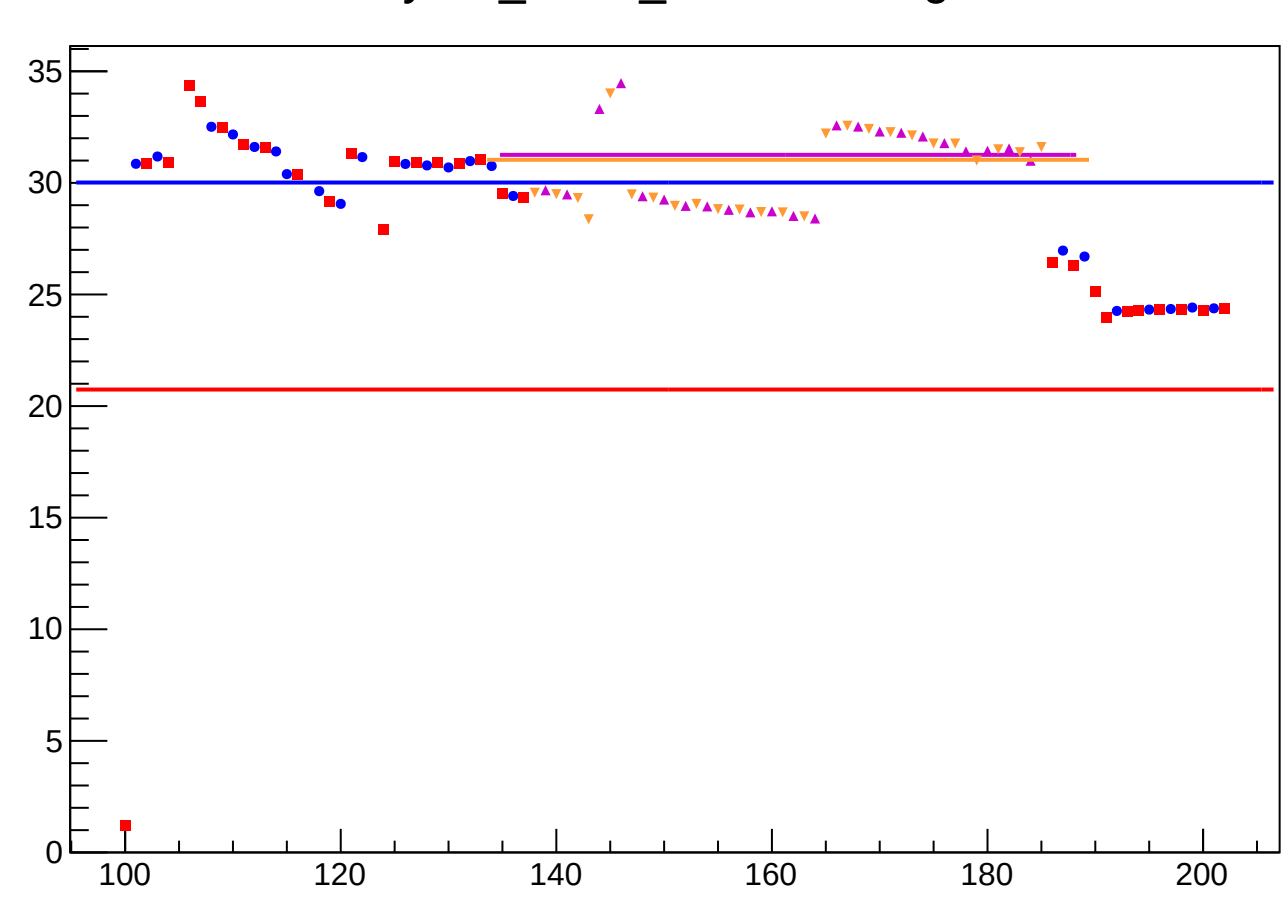
Right Out: 0.177+/-0.000 χ^2/NDF: 5807153.9/28

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.115+/-0.000 χ^2/NDF: 7318018.1/47

All: 0.118+/-0.000 χ^2/NDF: 16706124.2/99

- sign 0.121+/-0.000 χ^2/NDF: 9311337.8/51



Right In: 30.016+/-0.000 χ^2/NDF: 3223494948.6/22

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.741+/-0.000 χ^2/NDF: 224107841714.2/28

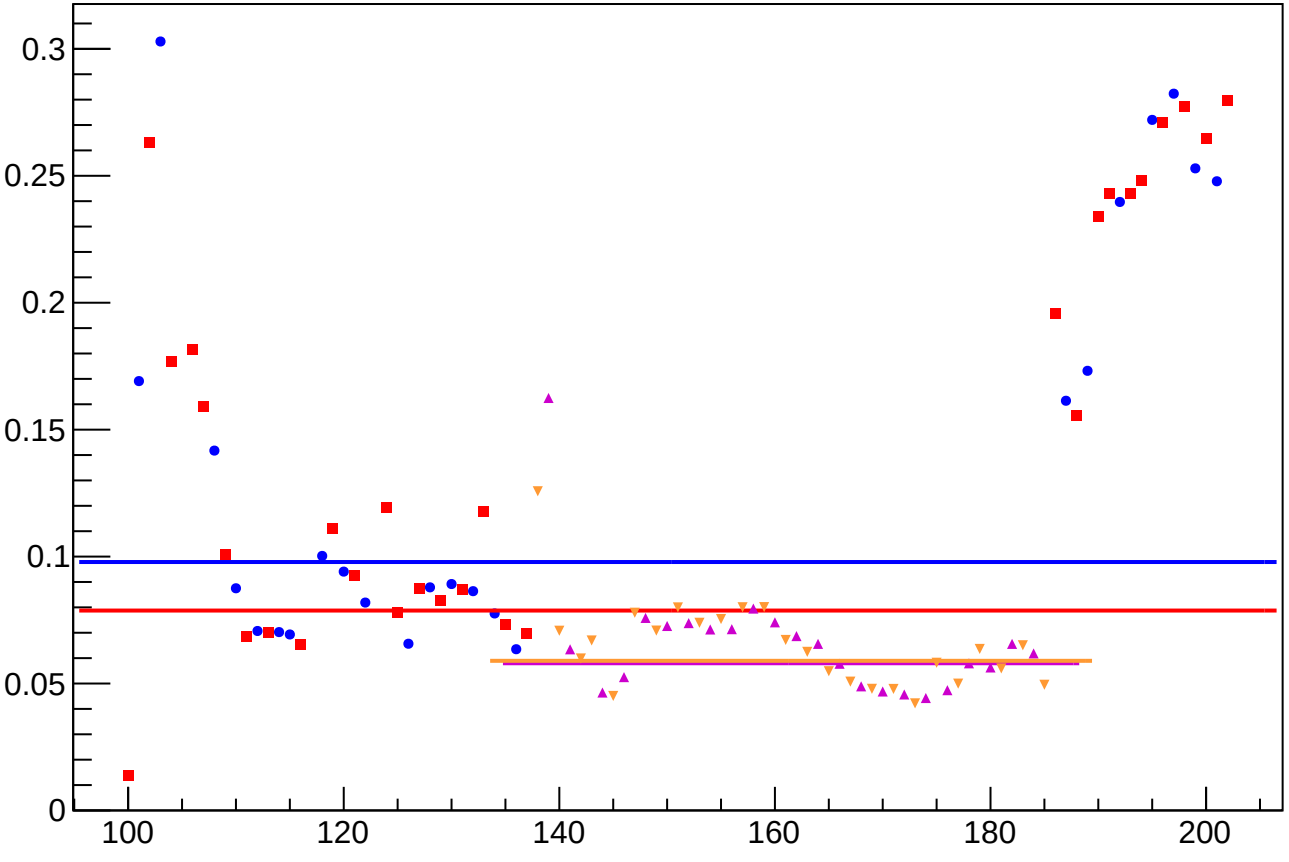
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.864+/-0.000 χ^2/NDF: 15865387627.4/47

All: 29.842+/-0.000 χ^2/NDF: 367092559213.

- sign 28.859+/-0.000 χ^2/NDF: 340686784311.9/51

yield_sam3_rms vs Slug



Right In: 0.098+/-0.000 χ^2/NDF: 5152809.4/22

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.079+/-0.000 χ^2/NDF: 10853390.7/28

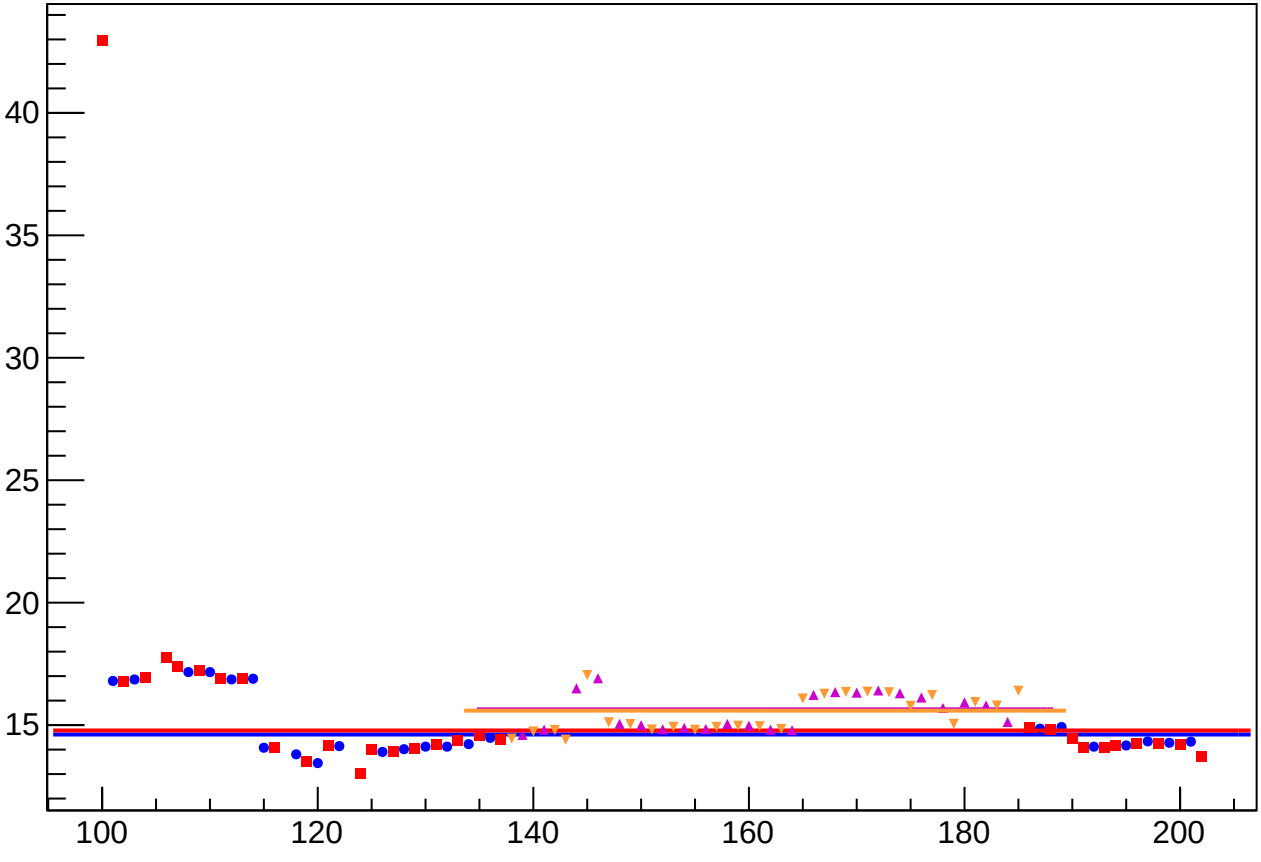
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.065+/-0.000 χ^2/NDF: 8861043.5/47

All: 0.064+/-0.000 χ^2/NDF: 22280934.6/99

- sign 0.063+/-0.000 χ^2/NDF: 13380490.0/51

yield_sam4_mean vs Slug



Right In: 14.616+/-0.000 χ^2/NDF: 1209392795.0/22

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.781+/-0.000 χ^2/NDF: 1788672837.6/28

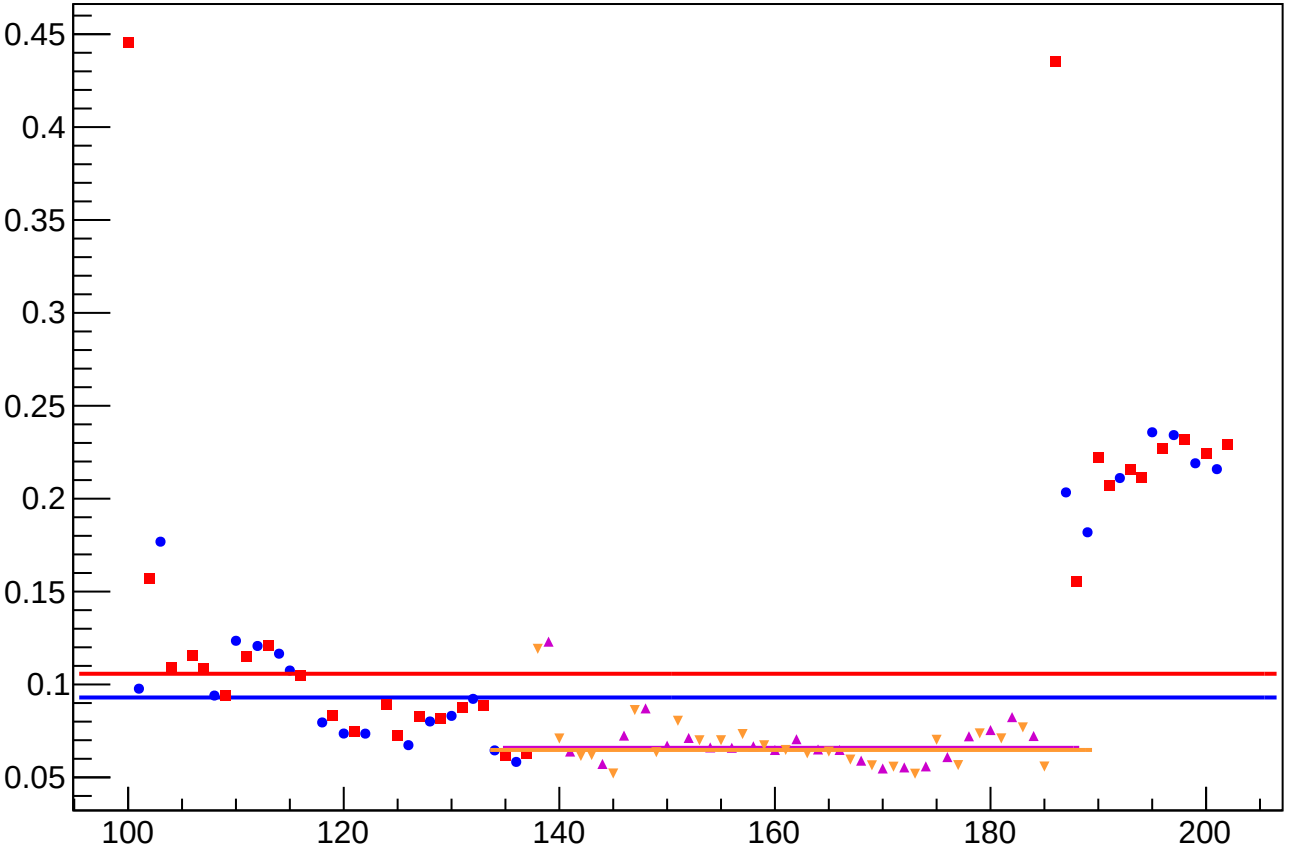
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.385+/-0.000 χ^2/NDF: 4251323051.4/47

All: 15.421+/-0.000 χ^2/NDF: 8483356749.7/9

- sign 15.460+/-0.000 χ^2/NDF: 4218891654.0/51

yield_sam4_rms vs Slug



Right In: 0.093+/-0.000 χ^2/NDF: 4524902.0/22

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.106+/-0.000 χ^2/NDF: 5111606.7/28

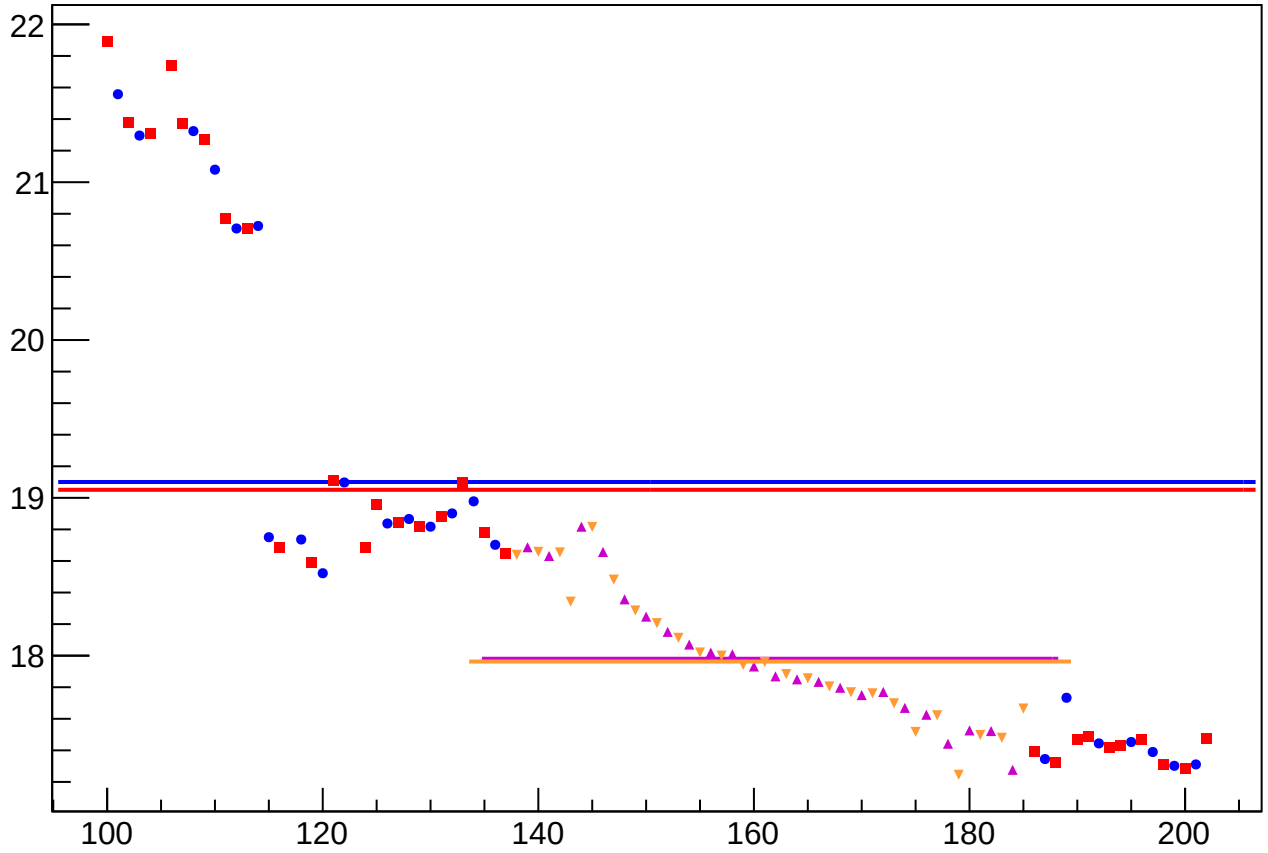
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.071+/-0.000 χ^2/NDF: 6695670.8/47

All: 0.072+/-0.000 χ^2/NDF: 15095597.2/99

- sign 0.074+/-0.000 χ^2/NDF: 8334510.1/51

yield_sam5_mean vs Slug



Right In: 19.100+/-0.000 χ^2/NDF: 26125345141.6/22

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.051+/-0.000 χ^2/NDF: 30763349205.4/28

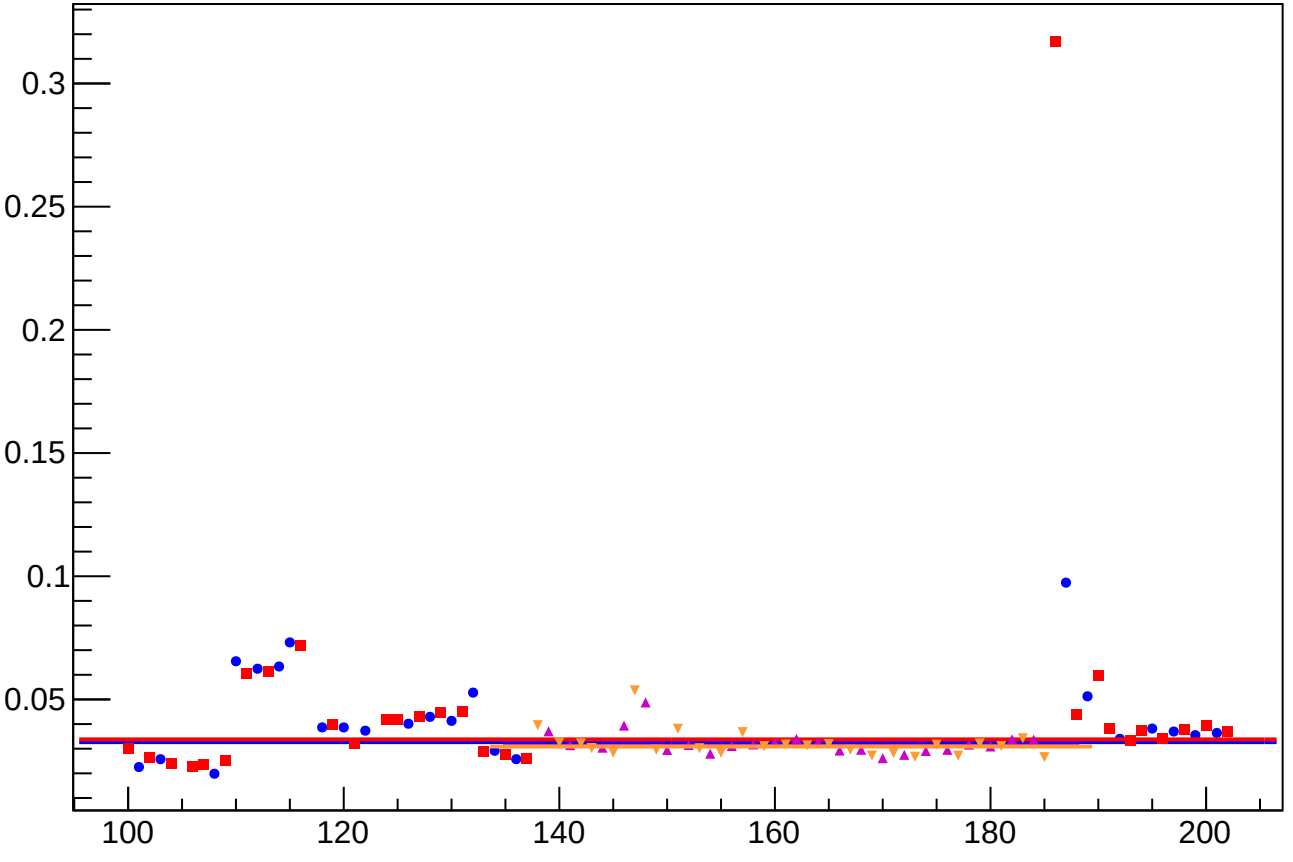
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.351+/-0.000 χ^2/NDF: 37640844455.1/47

All: 18.369+/-0.000 χ^2/NDF: 78927666032.9

- sign 18.387+/-0.000 χ^2/NDF: 41267730063.9/51

yield_sam5_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF: 1894886.7/22

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

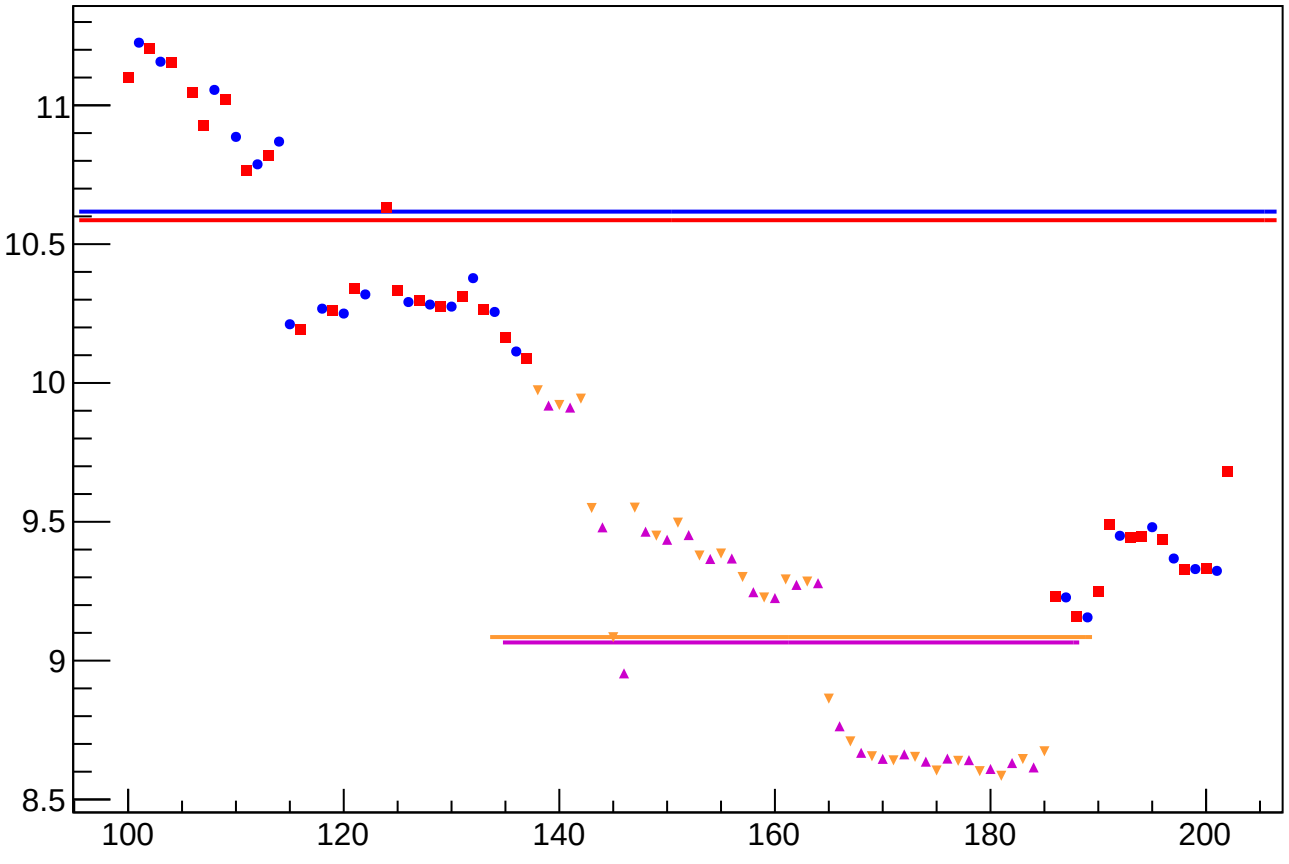
Right Out: 0.034+/-0.000 χ^2/NDF: 2234670.7/28

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.032+/-0.000 χ^2/NDF: 2570239.8/47

All: 0.032+/-0.000 χ^2/NDF: 5394817.1/99

- sign 0.032+/-0.000 χ^2/NDF: 2812632.4/51



Right In: 10.617+/-0.000 χ^2/NDF: 10325496977.4/22

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.586+/-0.000 χ^2/NDF: 10206629351.1/28

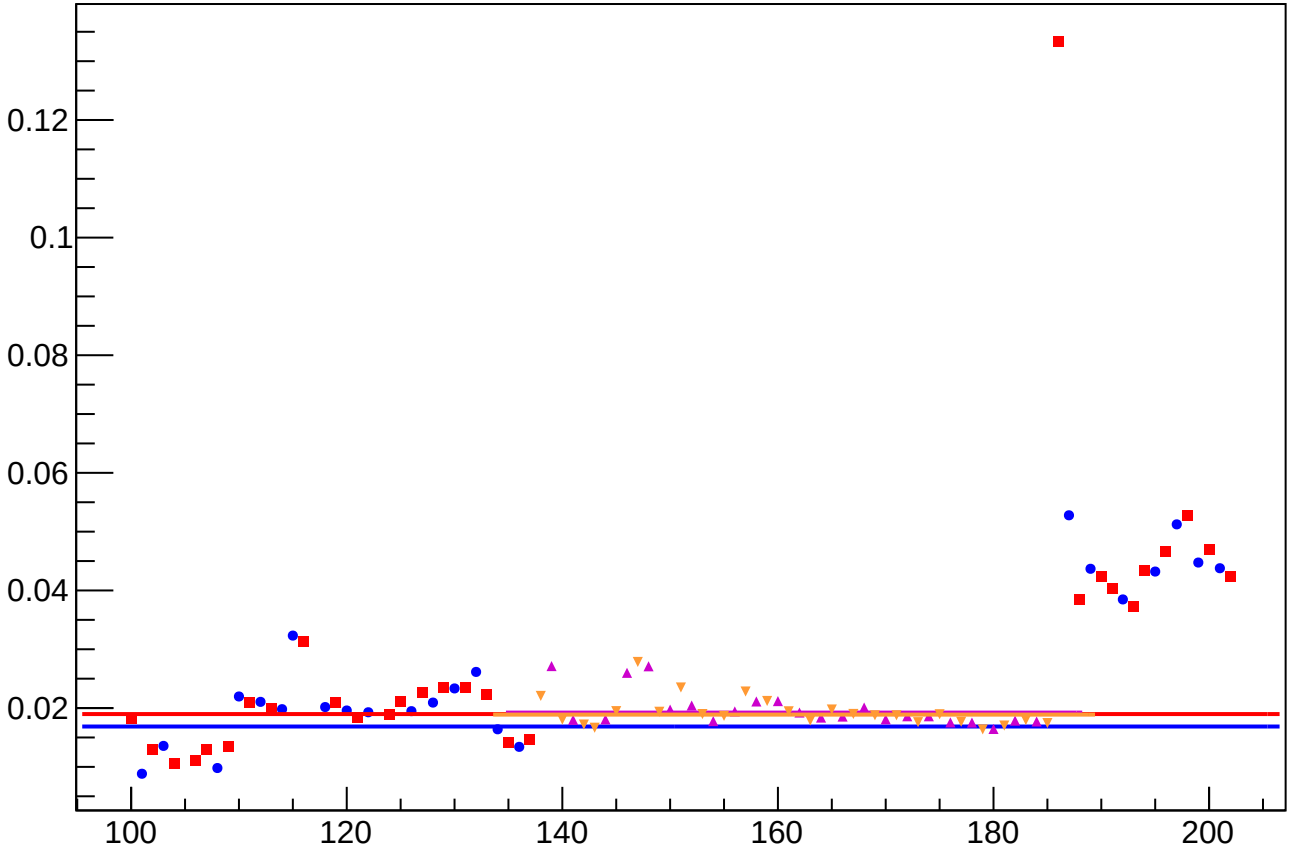
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.667+/-0.000 χ^2/NDF: 64499153428.9/47

All: 9.666+/-0.000 χ^2/NDF: 123546477323.7

- sign 9.664+/-0.000 χ^2/NDF: 59046961859.8/51

yield_sam6_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 5632281.6/22

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.019+/-0.000 χ^2/NDF: 6396423.9/28

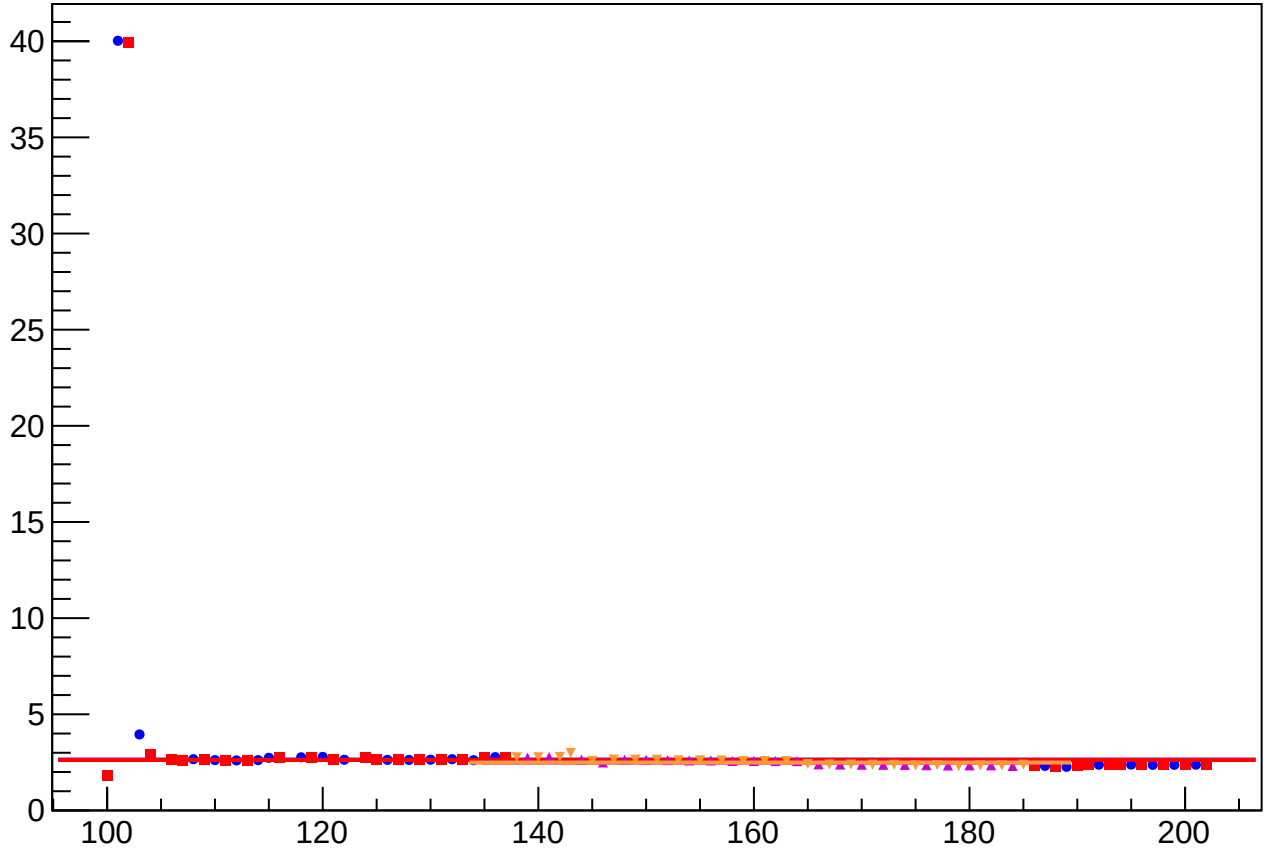
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 6228062.6/47

All: 0.019+/-0.000 χ^2/NDF: 13245713.8/99

- sign 0.019+/-0.000 χ^2/NDF: 6939512.1/51

yield_sam7_mean vs Slug



Right In: 2.643+/-0.000 χ^2/NDF: 76971244078.3/22

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.627+/-0.000 χ^2/NDF: 77951783192.9/28

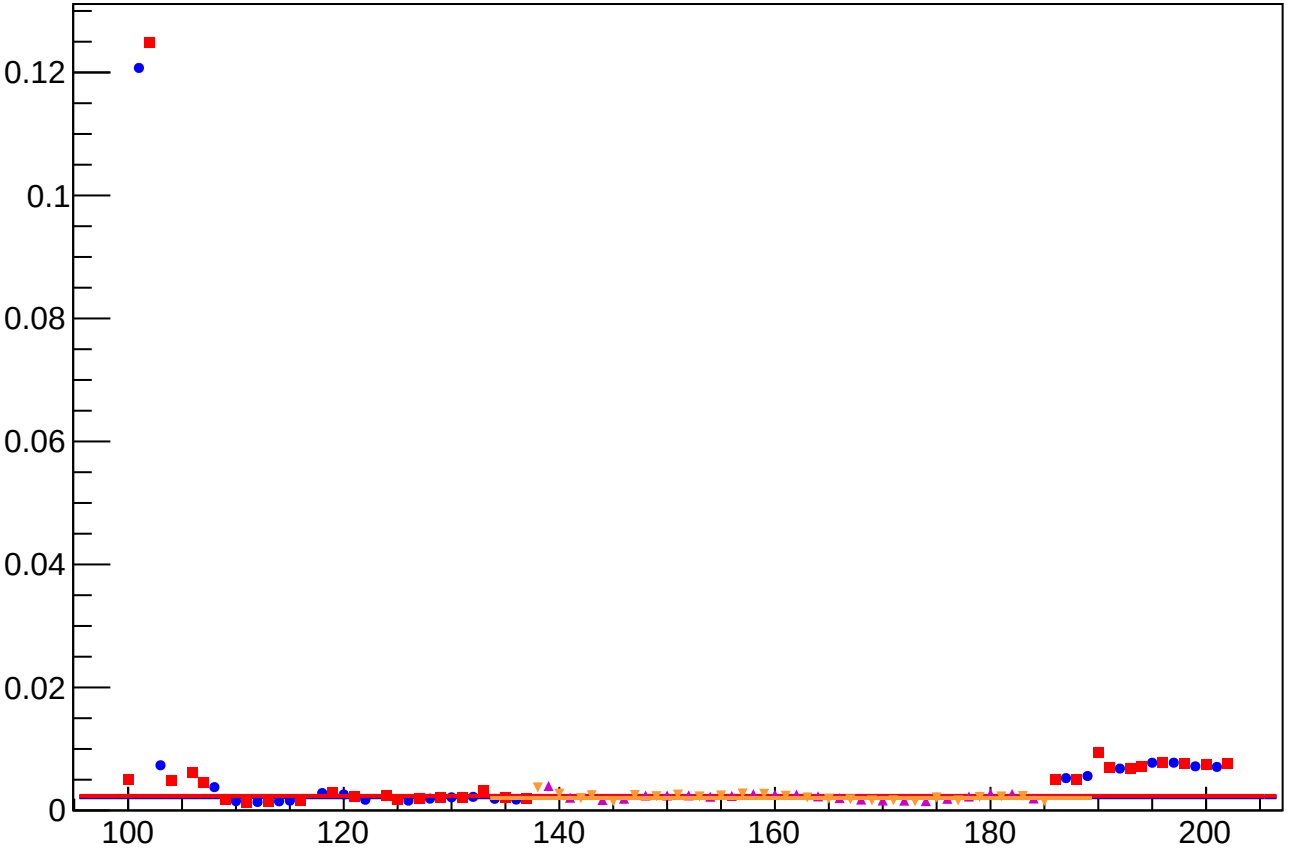
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.535+/-0.000 χ^2/NDF: 194712382232.6/47

All: 2.534+/-0.000 χ^2/NDF: 354337801141.9

- sign 2.532+/-0.000 χ^2/NDF: 159586204402.4/51

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6903941.6/22

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

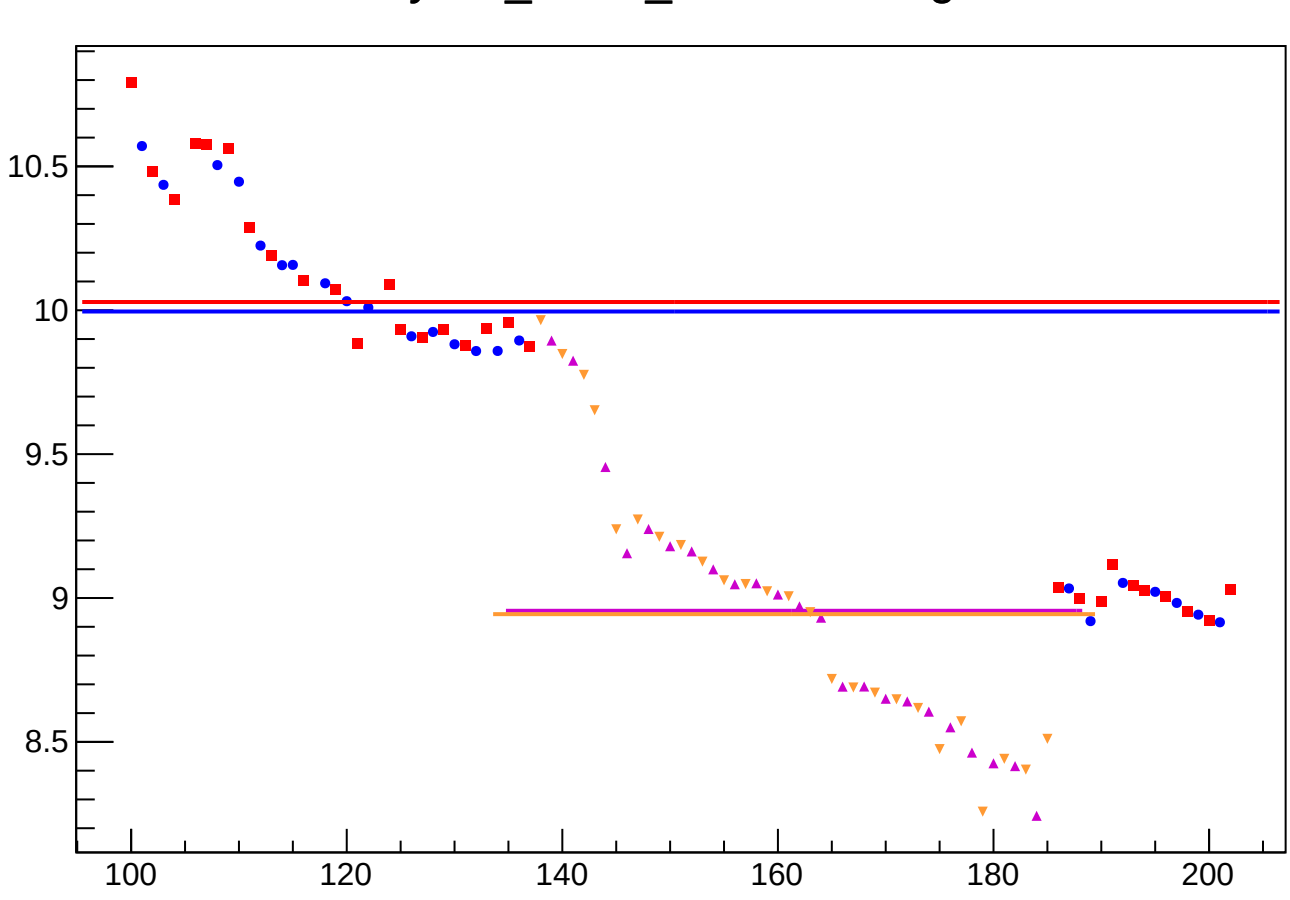
Right Out: 0.002+/-0.000 χ^2/NDF: 9096604.7/28

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 8496237.7/47

All: 0.002+/-0.000 χ^2/NDF: 19231247.7/99

- sign 0.002+/-0.000 χ^2/NDF: 10686798.3/51



Right In: 9.996+/-0.000 χ^2/NDF: 33101145563.2/22

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.029+/-0.000 χ^2/NDF: 41597684347.4/28

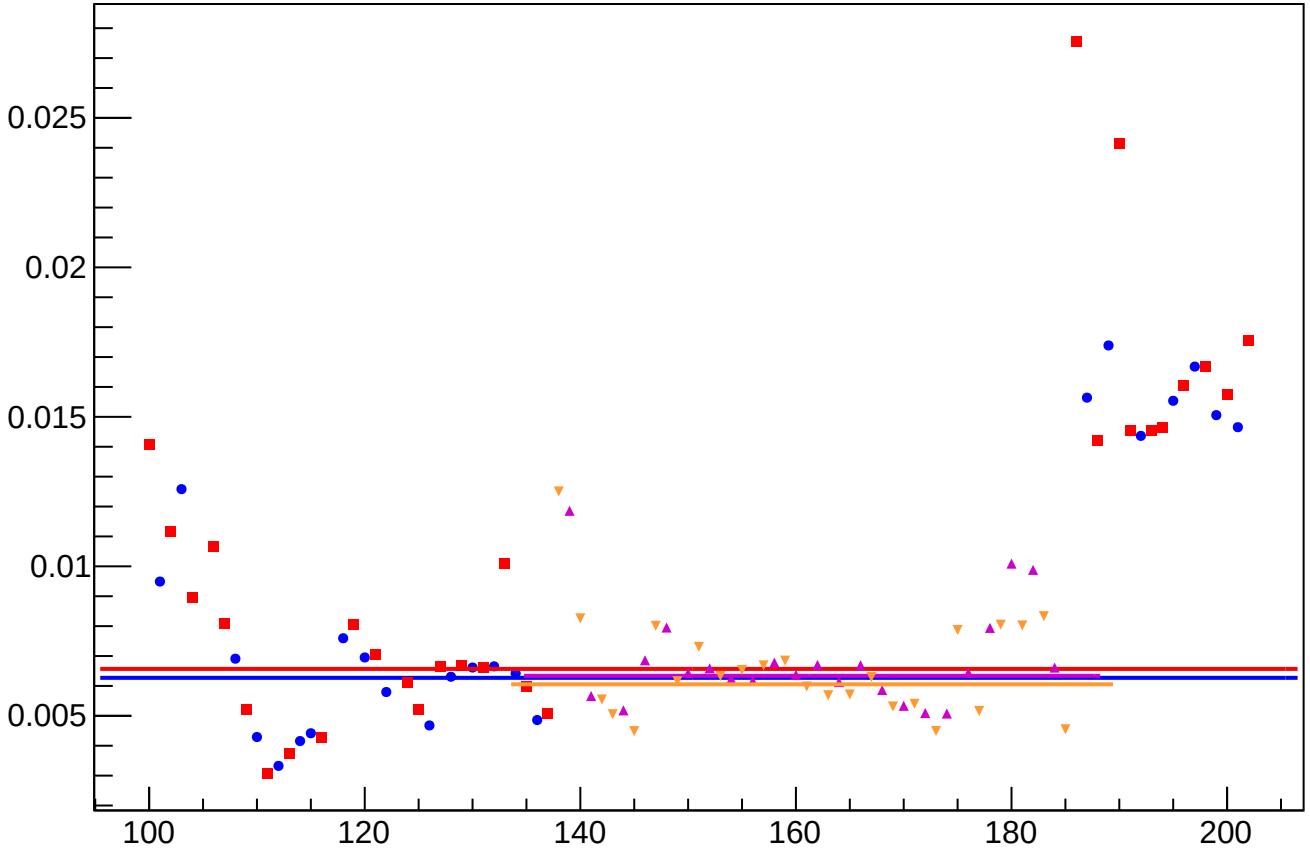
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.301+/-0.000 χ^2/NDF: 255575501056.6/47

All: 9.332+/-0.000 χ^2/NDF: 509346262392.0

- sign 9.366+/-0.000 χ^2/NDF: 252517555859.2/51

yield_sam8_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 5150996.2/22

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7379633.8/28

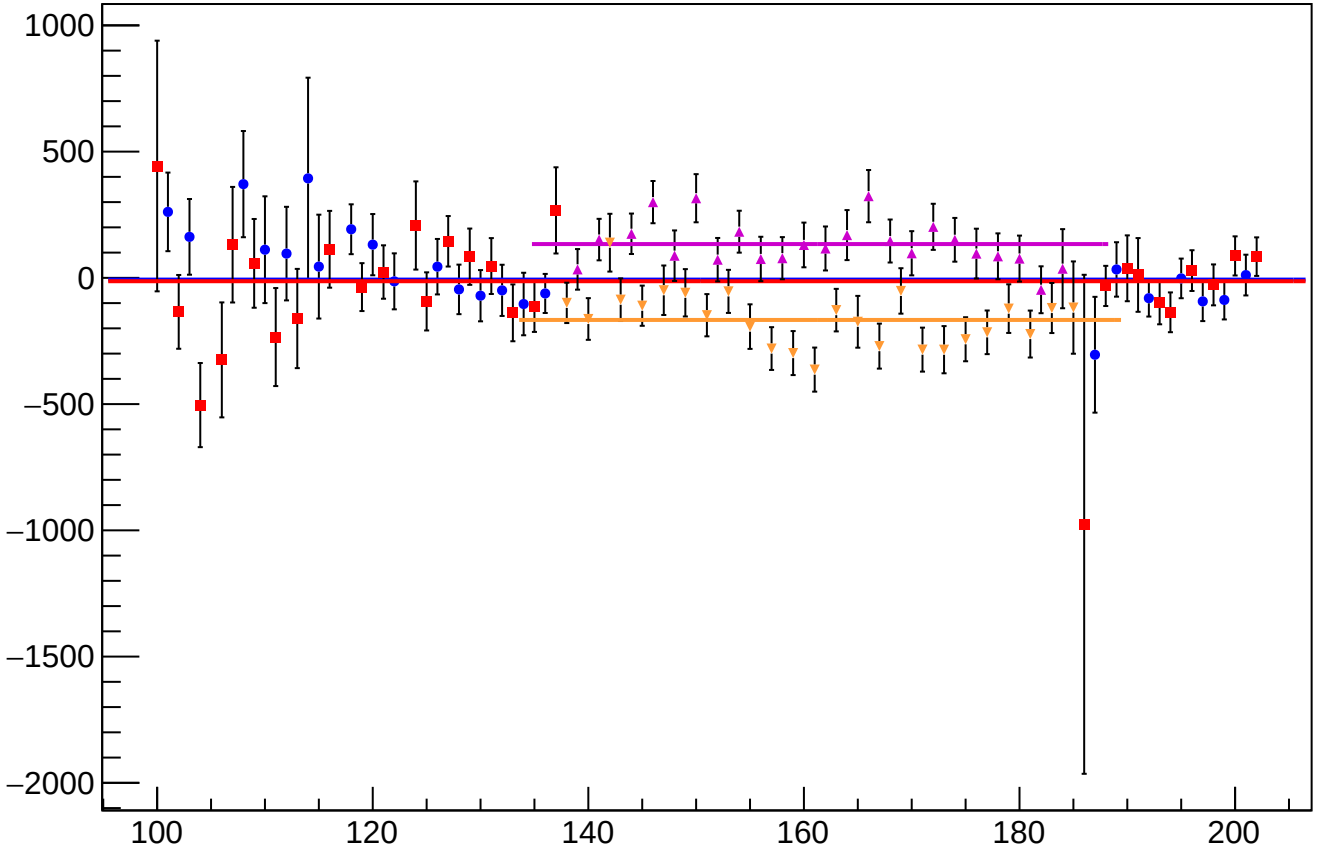
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 6625341.0/47

All: 0.006+/-0.000 χ^2/NDF: 15249396.5/99

- sign 0.006+/-0.000 χ^2/NDF: 8569450.3/51

reg_asym_sam1_mean vs Slug



Right In: -6.871+/-22.382 χ^2/NDF: 21.8/22

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -13.324+/-21.116 χ^2/NDF: 34.2/28

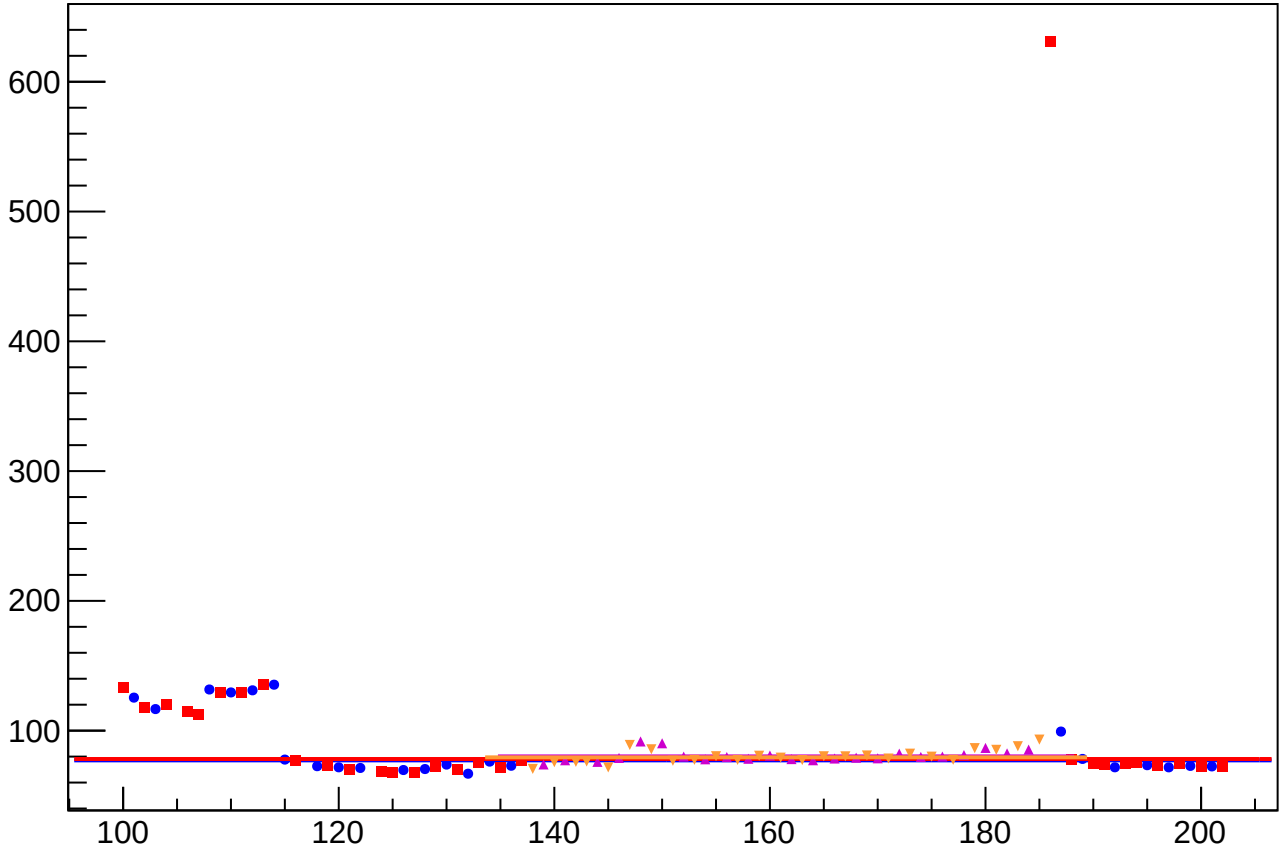
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -103.580+/-14.064 χ^2/NDF: 84.3/47

All: -17.067+/-9.930 χ^2/NDF: 241.8/99

- sign 68.940+/-14.023 χ^2/NDF: 82.1/51

reg_asym_sam1_rms vs Slug



Right In: 77.115+/-0.016 χ^2/NDF: 918768.3/22

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 78.145+/-0.015 χ^2/NDF: 1631741.2/28

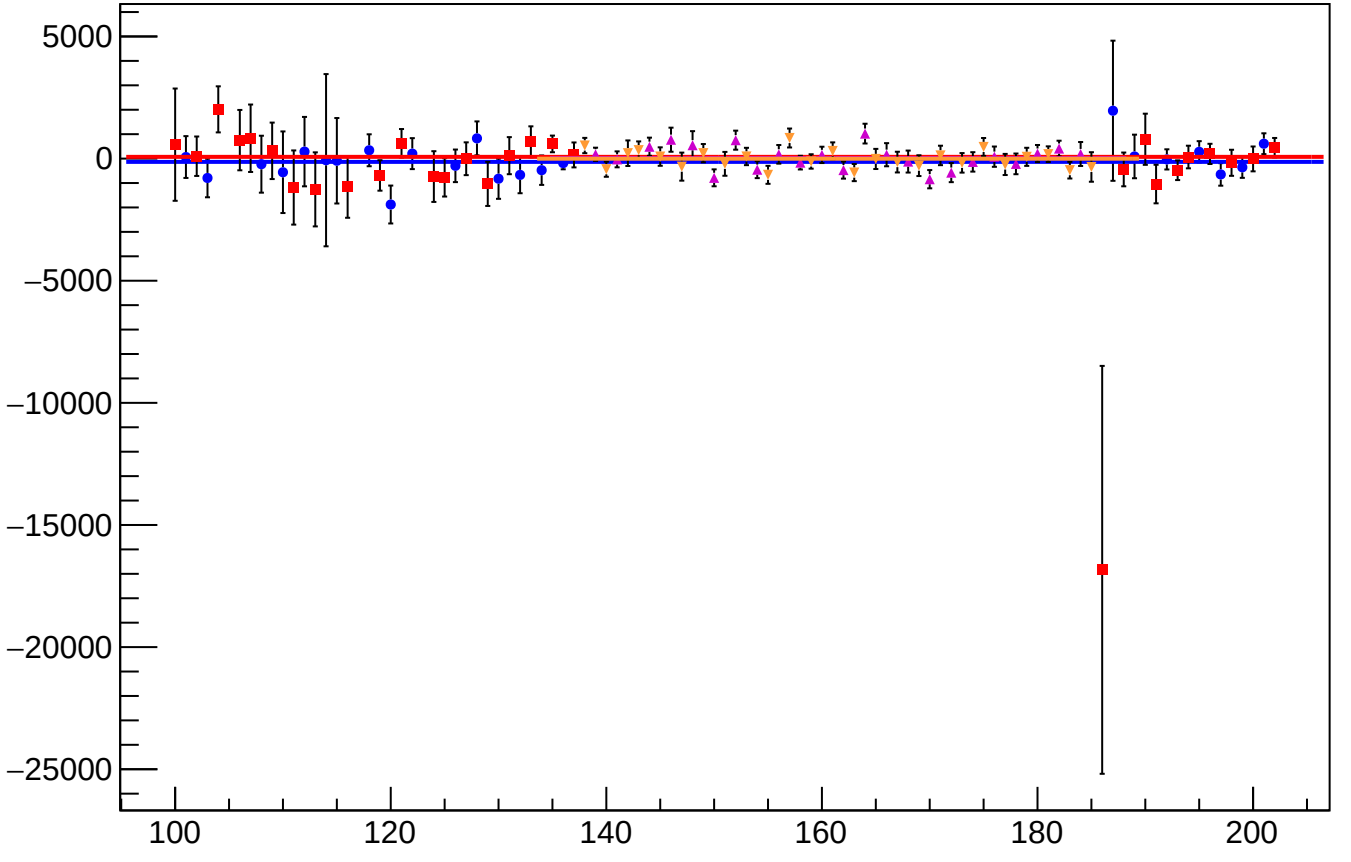
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.504+/-0.010 χ^2/NDF: 1066291.1/47

All: 78.889+/-0.007 χ^2/NDF: 2802668.8/99

- sign 79.271+/-0.010 χ^2/NDF: 1733392.9/51

asym_sam1_reg_correction_mean vs Slug



Right In: -134.217+/-123.737 χ^2/NDF: 16.4/22

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 71.365+/-120.022 χ^2/NDF: 26.6/28

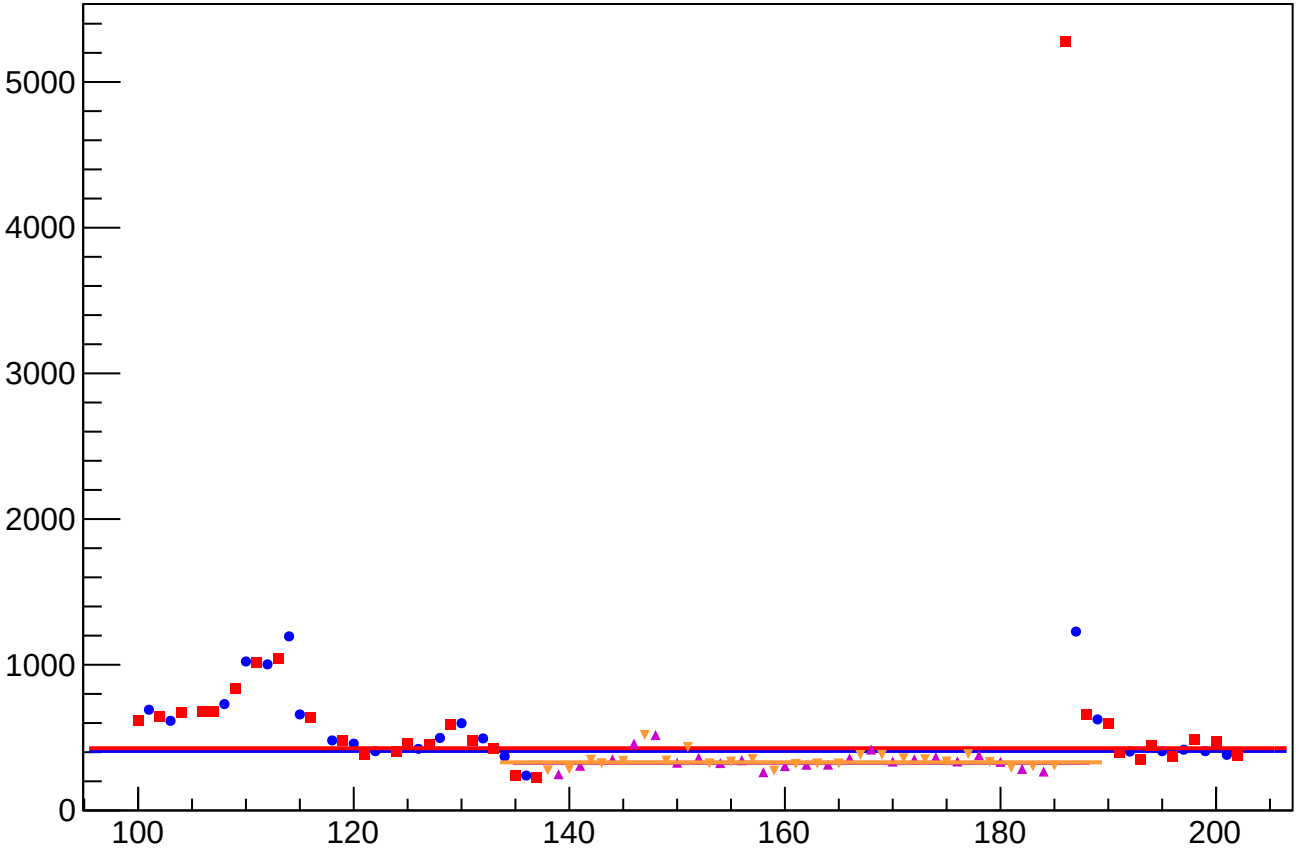
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

\+ sign -39.192+/-64.675 χ^2/NDF: 41.3/47

All: -2.540+/-45.892 χ^2/NDF: 103.7/99

\- sign 34.631+/-65.131 χ^2/NDF: 61.7/51

asym_sam1_reg_correction_rms vs Slug



Right In: 408.607+/-0.087 χ^2/NDF: 2652227.8/22

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 426.985+/-0.085 χ^2/NDF: 3514082.7/28

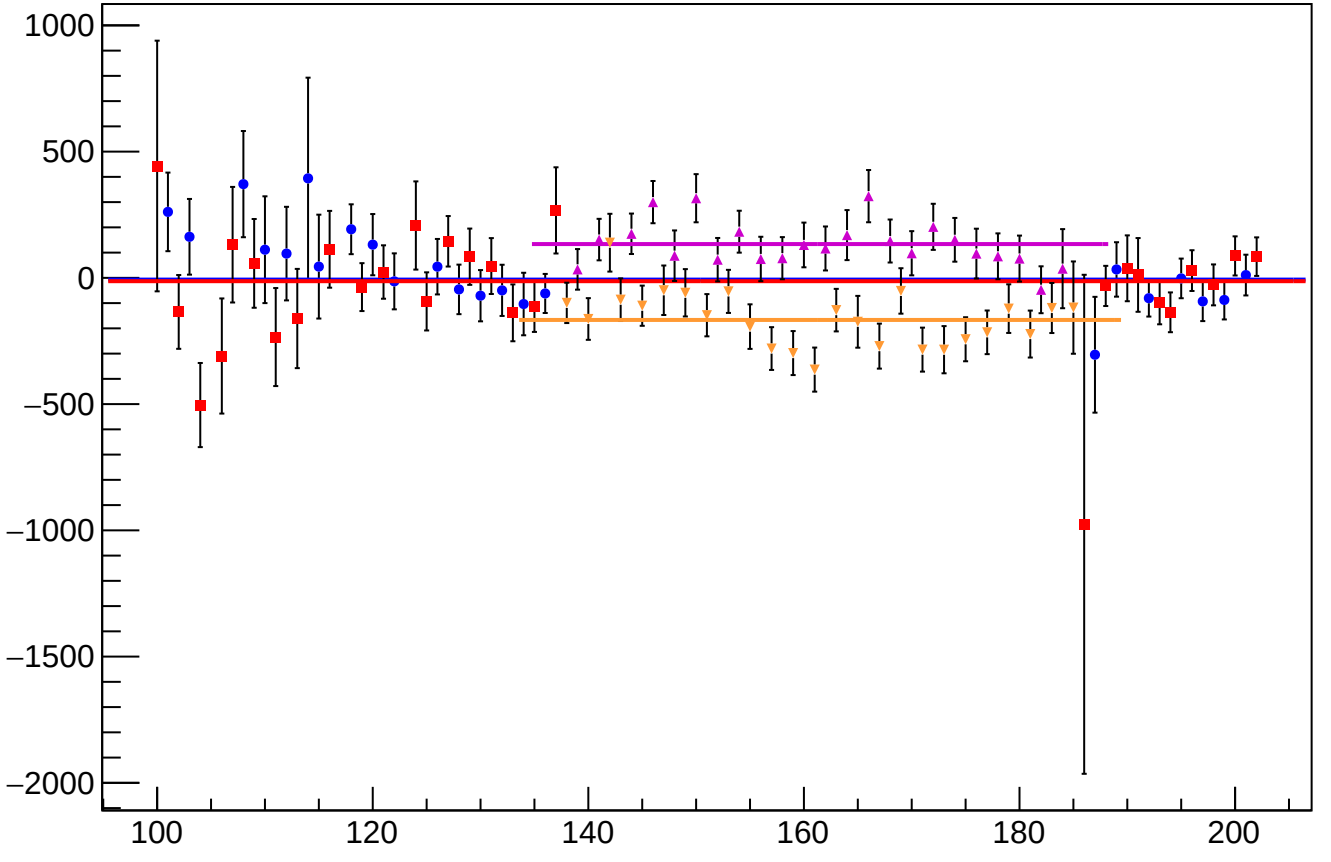
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 351.451+/-0.046 χ^2/NDF: 3898579.6/47

All: 353.917+/-0.032 χ^2/NDF: 9297789.4/99

- sign 356.417+/-0.046 χ^2/NDF: 5393356.9/51

cor_asym_sam1_mean vs Slug



Right In: -6.866+/-22.382 χ^2/NDF: 21.8/22

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -13.186+/-21.116 χ^2/NDF: 34.0/28

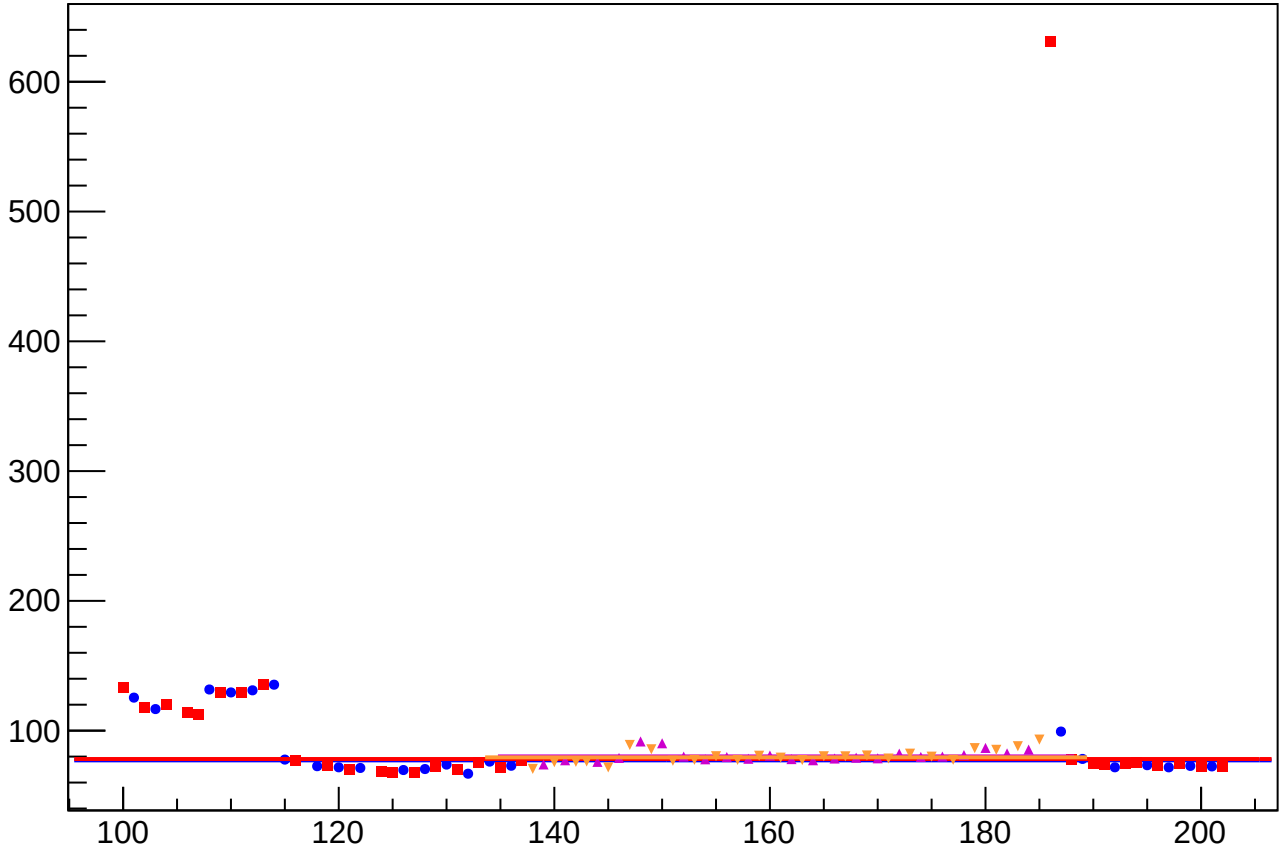
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -103.578+/-14.064 χ^2/NDF: 84.3/47

All: -17.033+/-9.930 χ^2/NDF: 241.7/99

- sign 69.005+/-14.023 χ^2/NDF: 81.8/51

cor_asym_sam1_rms vs Slug



Right In: 77.115+/-0.016 χ^2/NDF: 918768.5/22

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

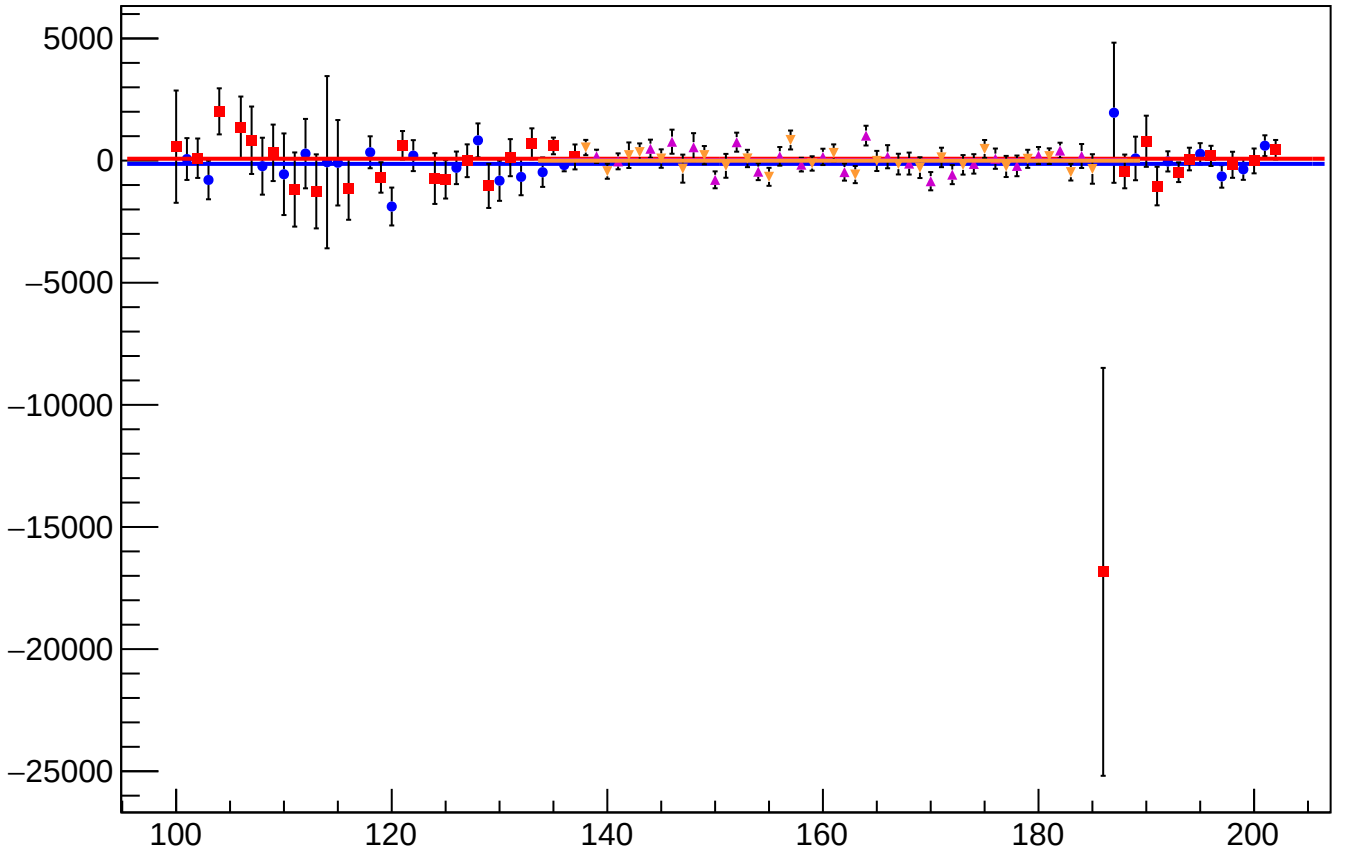
Right Out: 78.138+/-0.015 χ^2/NDF: 1629628.5/28

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.504+/-0.010 χ^2/NDF: 1066291.4/47

All: 78.887+/-0.007 χ^2/NDF: 2800603.5/99

- sign 79.268+/-0.010 χ^2/NDF: 1731351.4/51



Right In: -134.216+/-123.737 χ^2/NDF: 16.4/22

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 76.235+/-120.057 χ^2/NDF: 27.3/28

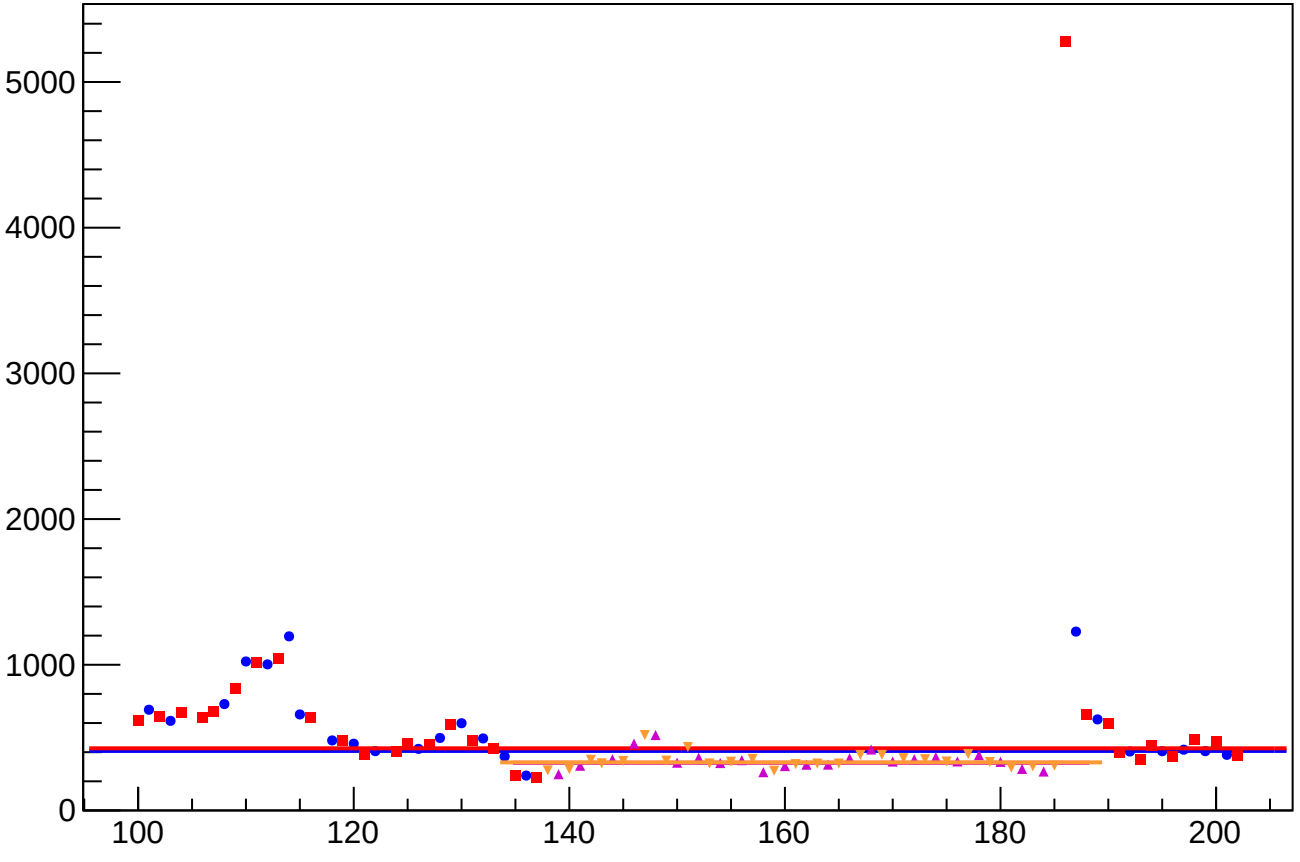
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -39.192+/-64.675 χ^2/NDF: 41.3/47

All: -1.832+/-45.894 χ^2/NDF: 104.4/99

\- sign 36.063+/-65.136 χ^2/NDF: 62.5/51

asym_sam1_cor_correction_rms vs Slug



Right In: 408.607+/-0.087 χ^2/NDF: 2652222.3/22

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 426.493+/-0.085 χ^2/NDF: 3486488.7/28

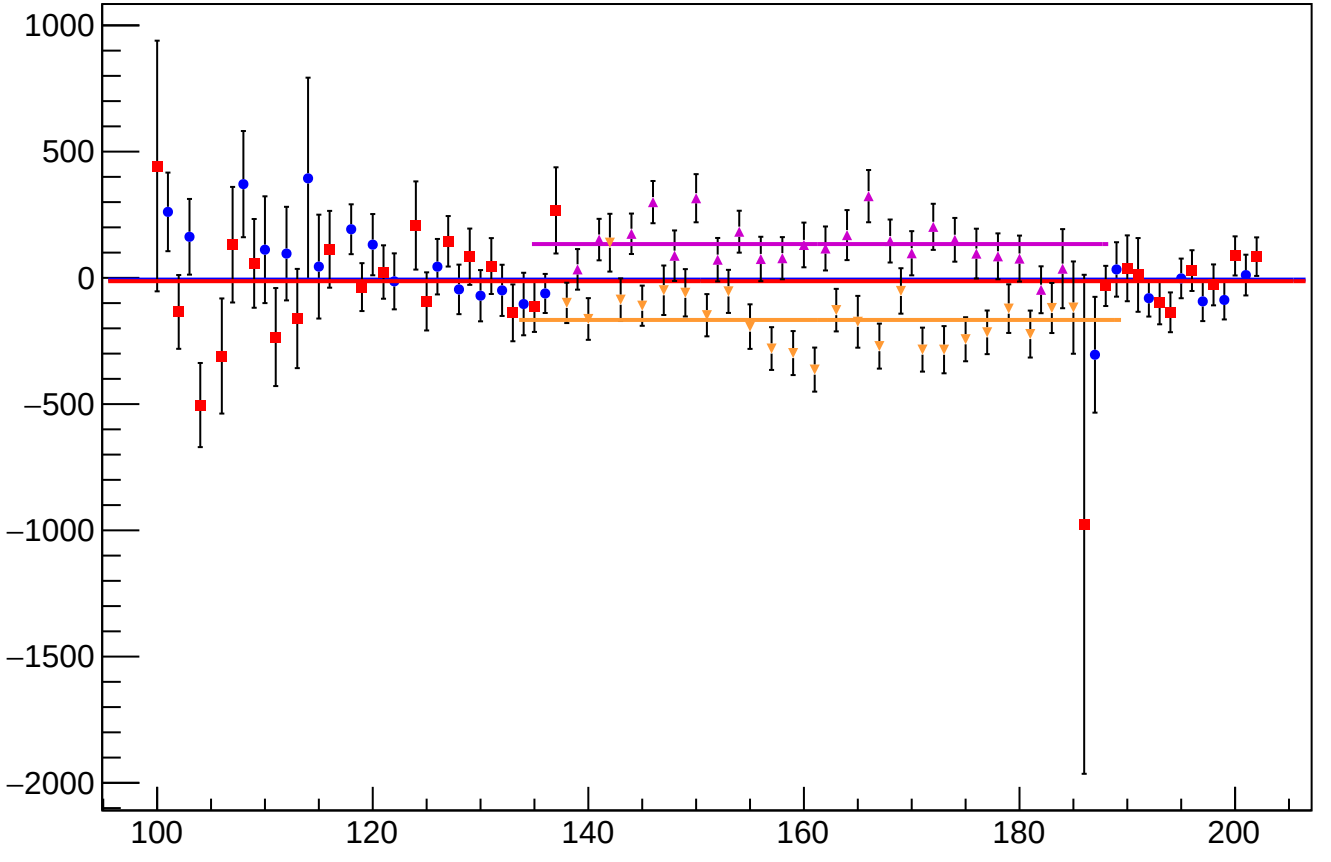
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 351.452+/-0.046 χ^2/NDF: 3898586.6/47

All: 353.839+/-0.032 χ^2/NDF: 9259849.3/99

- sign 356.260+/-0.046 χ^2/NDF: 5355773.2/51

eigen_cor_asym_sam1_mean vs Slug



Right In: -6.866+/-22.382 χ^2/NDF: 21.8/22

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -13.186+/-21.116 χ^2/NDF: 34.0/28

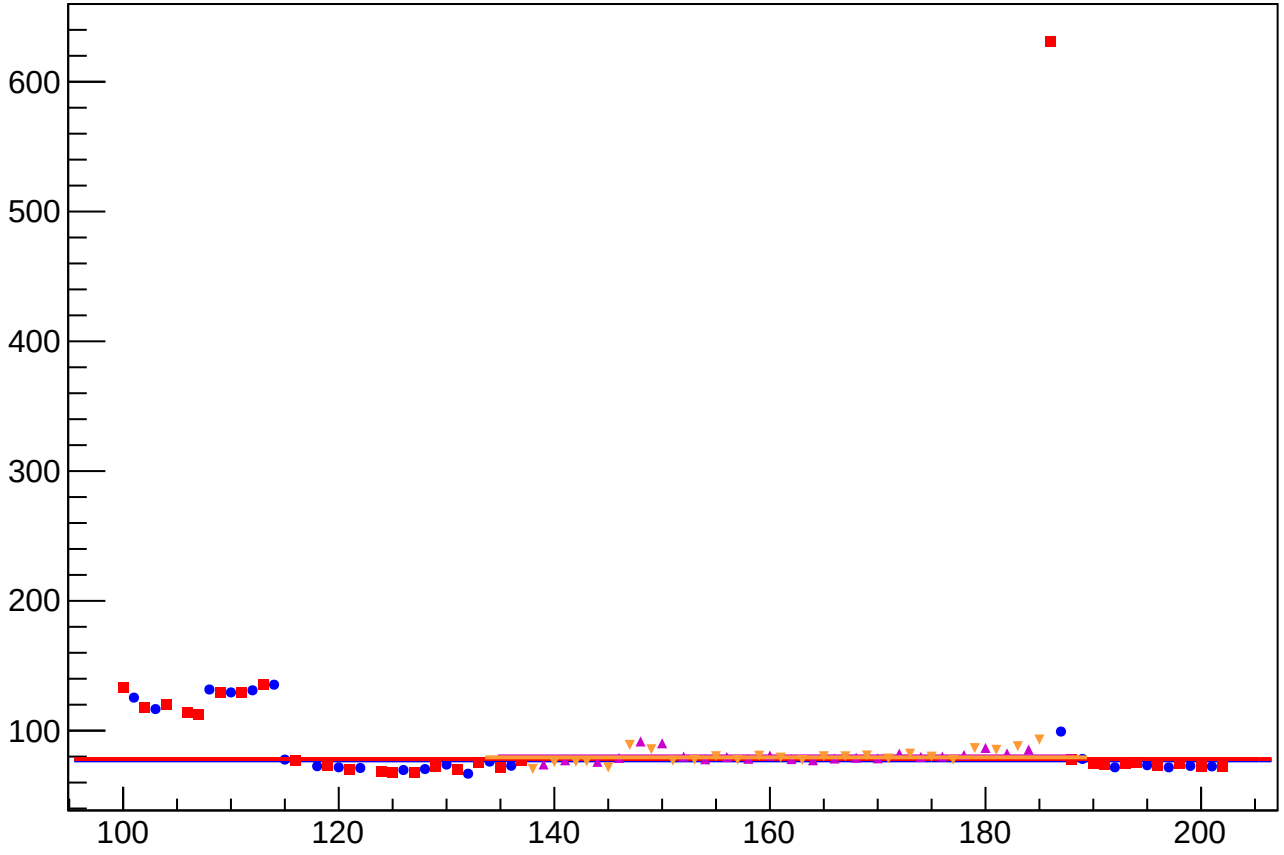
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -103.578+/-14.064 χ^2/NDF: 84.3/47

All: -17.033+/-9.930 χ^2/NDF: 241.7/99

- sign 69.005+/-14.023 χ^2/NDF: 81.8/51

eigen_cor_asym_sam1_rms vs Slug



Right In: 77.115+/-0.016 χ^2/NDF: 918768.5/22

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

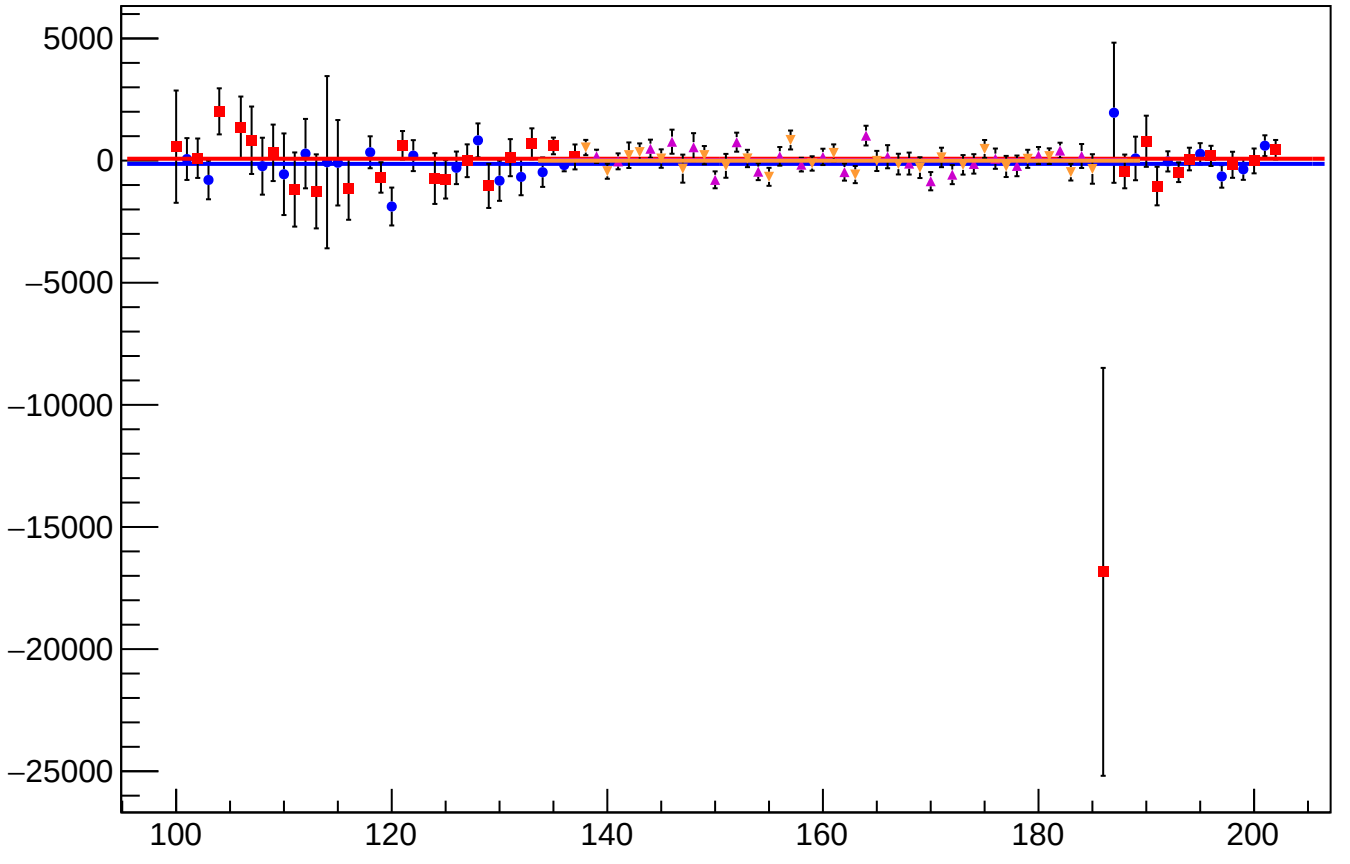
Right Out: 78.138+/-0.015 χ^2/NDF: 1629628.5/28

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.504+/-0.010 χ^2/NDF: 1066291.4/47

All: 78.887+/-0.007 χ^2/NDF: 2800603.5/99

- sign 79.268+/-0.010 χ^2/NDF: 1731351.4/51



Right In: -134.216+/-123.737 χ^2/NDF: 16.4/22

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 76.235+/-120.057 χ^2/NDF: 27.3/28

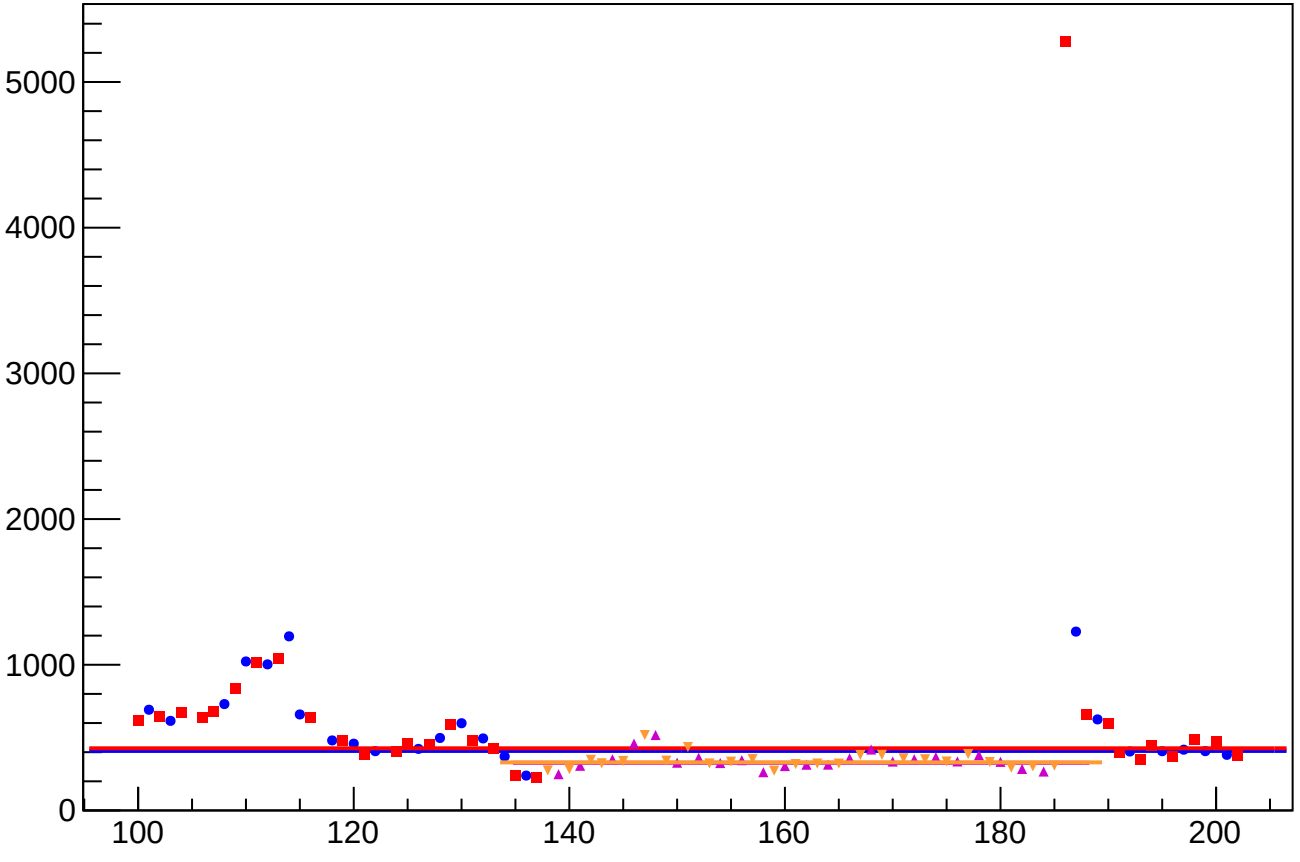
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -39.192+/-64.675 χ^2/NDF: 41.3/47

All: -1.832+/-45.894 χ^2/NDF: 104.4/99

- sign 36.063+/-65.136 χ^2/NDF: 62.5/51

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 408.607+/-0.087 χ^2/NDF: 2652222.3/22

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 426.493+/-0.085 χ^2/NDF: 3486488.7/28

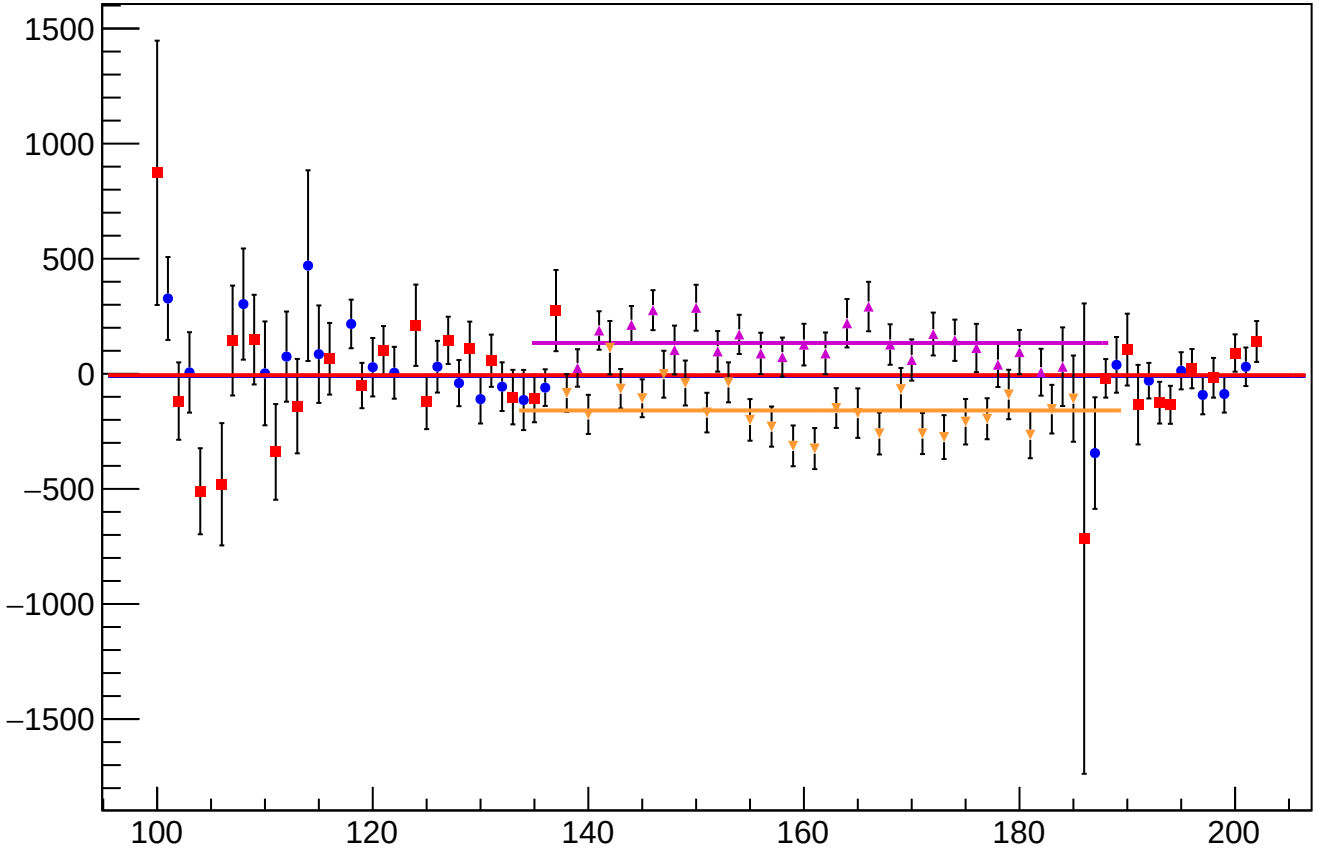
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 351.452+/-0.046 χ^2/NDF: 3898586.6/47

All: 353.839+/-0.032 χ^2/NDF: 9259849.3/99

- sign 356.260+/-0.046 χ^2/NDF: 5355773.2/51

dit_asym_sam1_mean vs Slug



Right In: -9.434+/-23.563 χ^2/NDF: 18.3/22

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -6.001+/-22.430 χ^2/NDF: 38.8/28

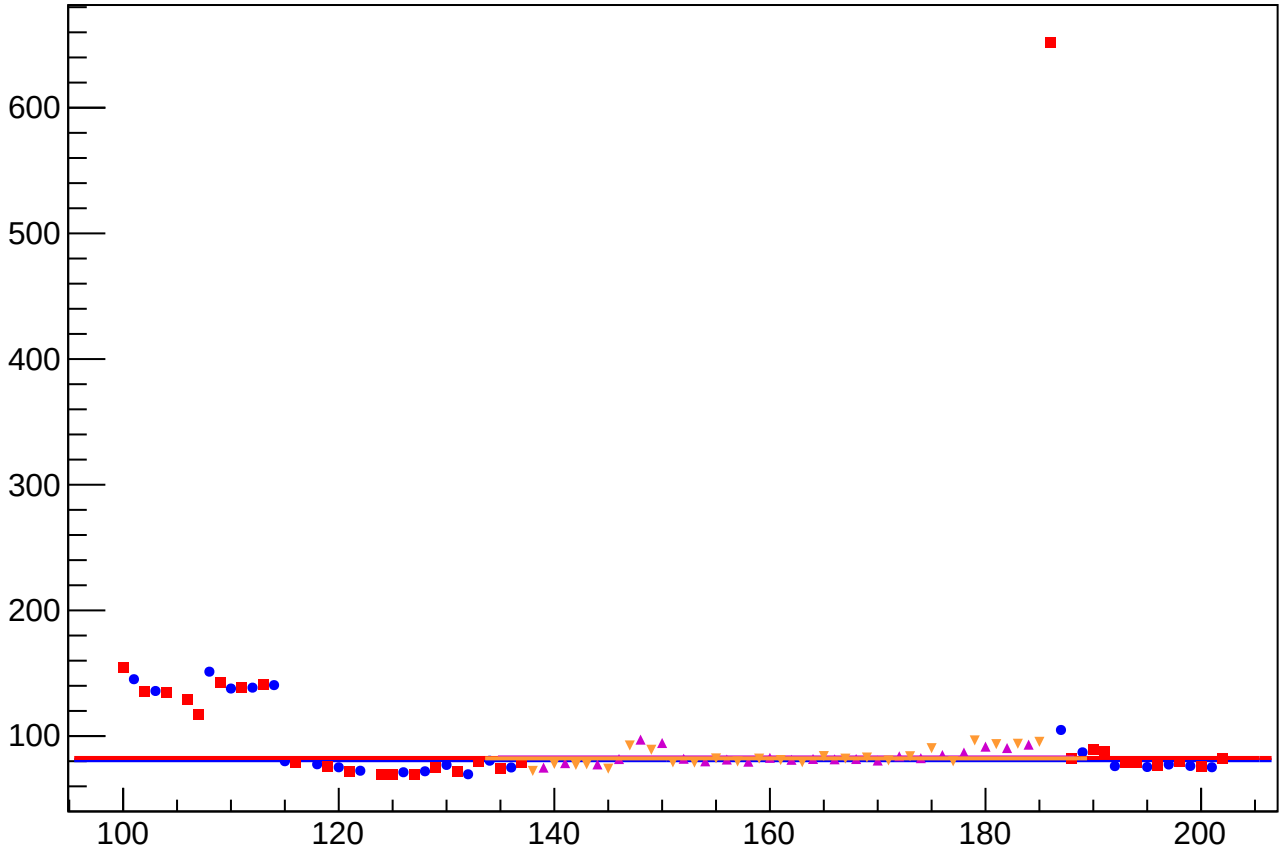
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -101.151+/-14.671 χ^2/NDF: 71.2/47

All: -13.717+/-10.381 χ^2/NDF: 219.8/99

- sign 73.950+/-14.691 χ^2/NDF: 77.5/51

dit_asym_sam1_rms vs Slug



Right In: 80.788+/-0.017 χ^2/NDF: 1110562.0/22

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 82.582+/-0.016 χ^2/NDF: 1789545.5/28

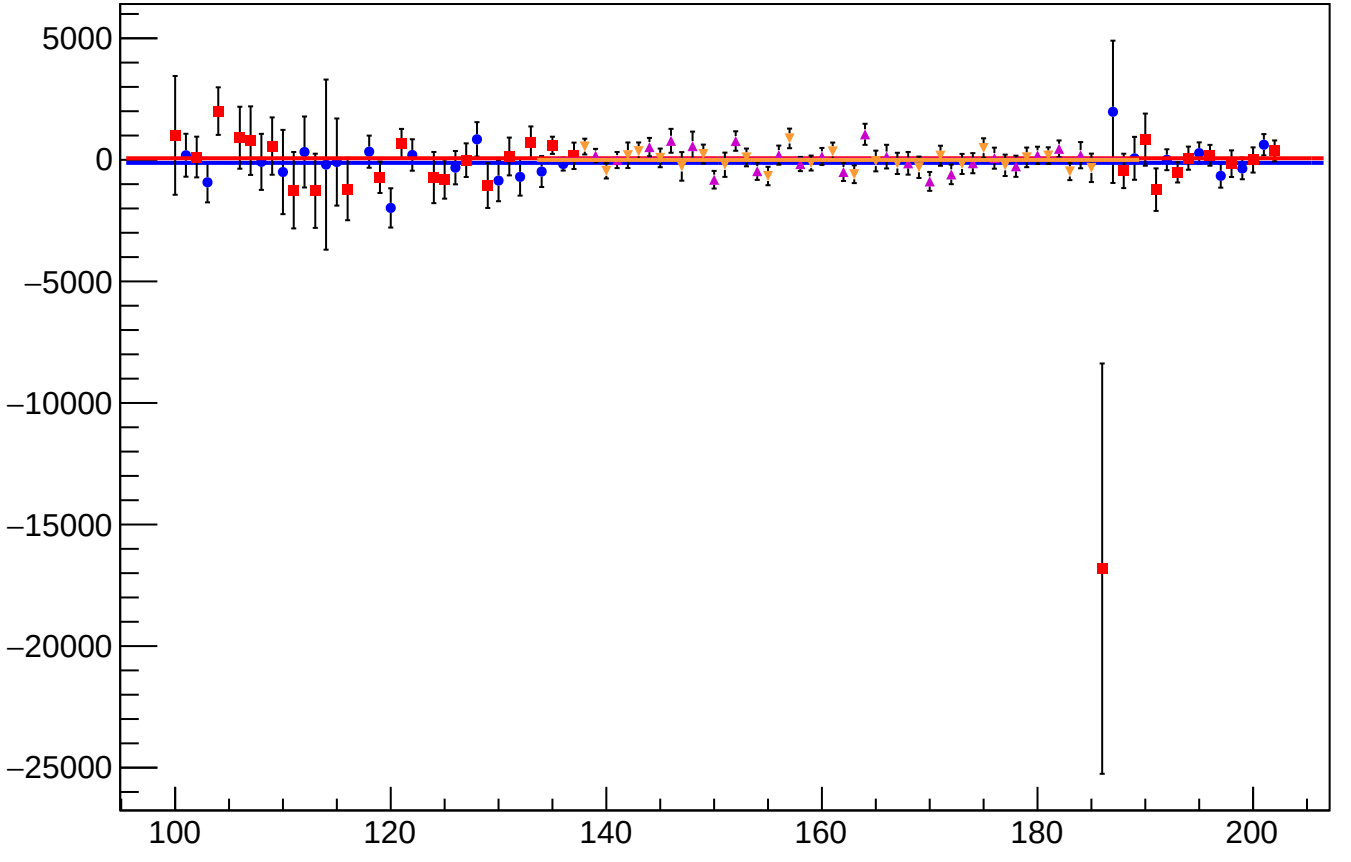
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 81.681+/-0.010 χ^2/NDF: 1331808.5/47

All: 82.248+/-0.007 χ^2/NDF: 3273327.4/99

- sign 82.817+/-0.010 χ^2/NDF: 1935536.9/51

asym_sam1_dit_correction_mean vs Slug



Right In: -124.548+/-128.064 χ^2/NDF: 16.7/22

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

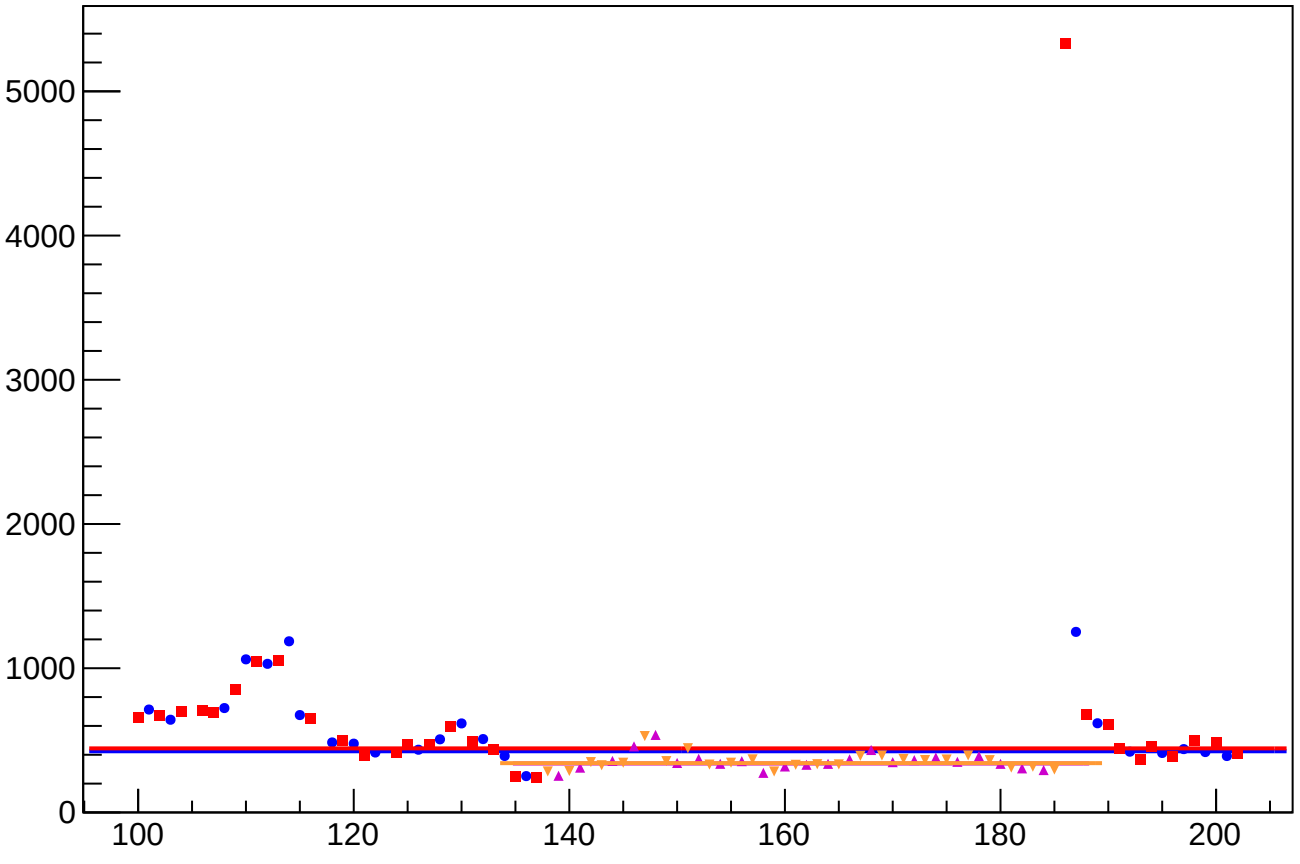
Right Out: 65.120+/-124.570 χ^2/NDF: 26.3/28

Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -36.316+/-66.978 χ^2/NDF: 40.8/47

All: -3.041+/-47.564 χ^2/NDF: 102.7/99

\- sign 30.813+/-67.558 χ^2/NDF: 61.4/51



Right In: 424.231+/-0.091 χ^2/NDF: 2527505.9/22

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 444.241+/-0.088 χ^2/NDF: 3400619.4/28

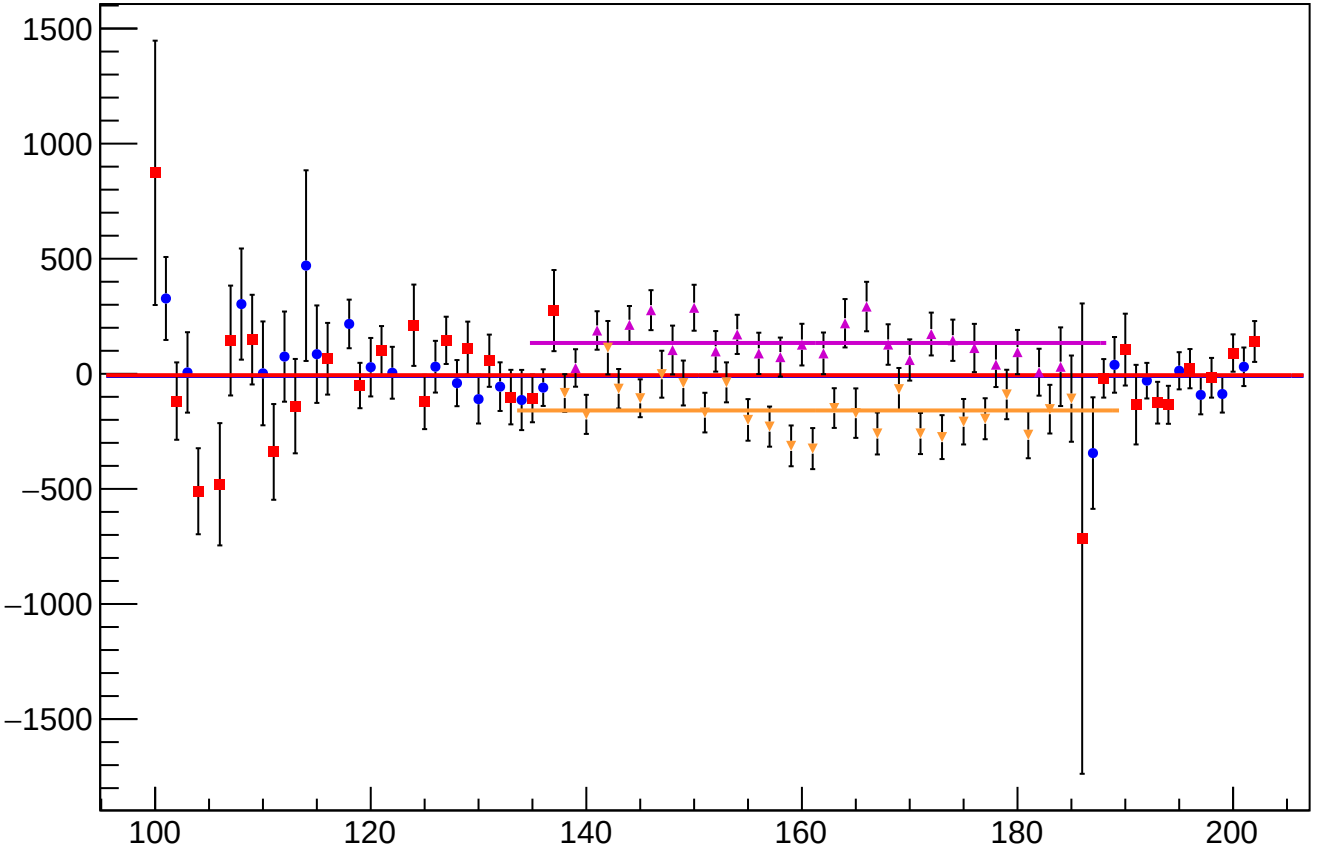
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 364.433+/-0.047 χ^2/NDF: 3781684.5/47

All: 367.320+/-0.034 χ^2/NDF: 9035936.0/99

- sign 370.257+/-0.048 χ^2/NDF: 5246756.5/51

eigen_dit_asym_sam1_mean vs Slug



Right In: -9.434+/-23.563 χ^2/NDF: 18.3/22

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -6.000+/-22.430 χ^2/NDF: 38.8/28

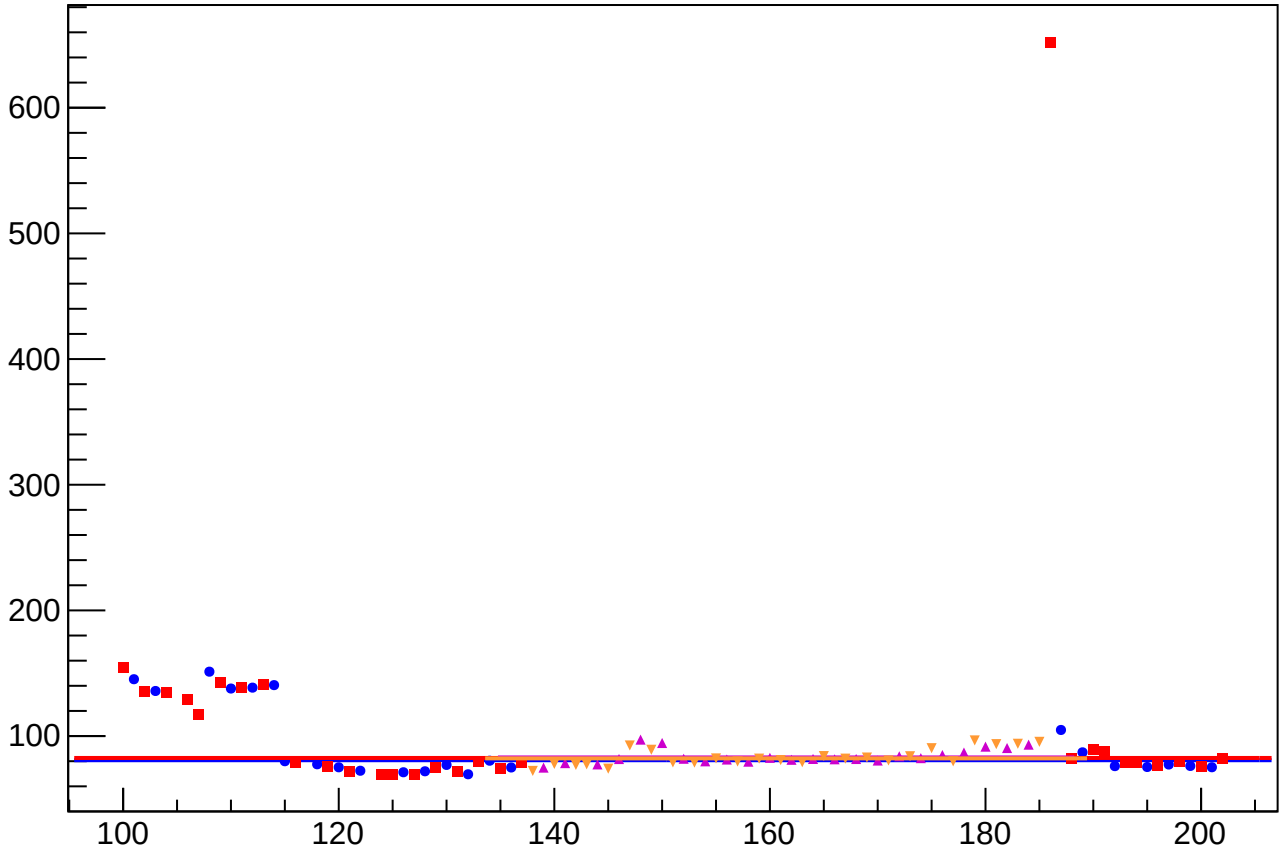
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -101.151+/-14.671 χ^2/NDF: 71.2/47

All: -13.716+/-10.381 χ^2/NDF: 219.8/99

- sign 73.950+/-14.691 χ^2/NDF: 77.5/51

eigen_dit_asym_sam1_rms vs Slug



Right In: 80.788+/-0.017 χ^2/NDF: 1110563.3/22

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 82.582+/-0.016 χ^2/NDF: 1789545.7/28

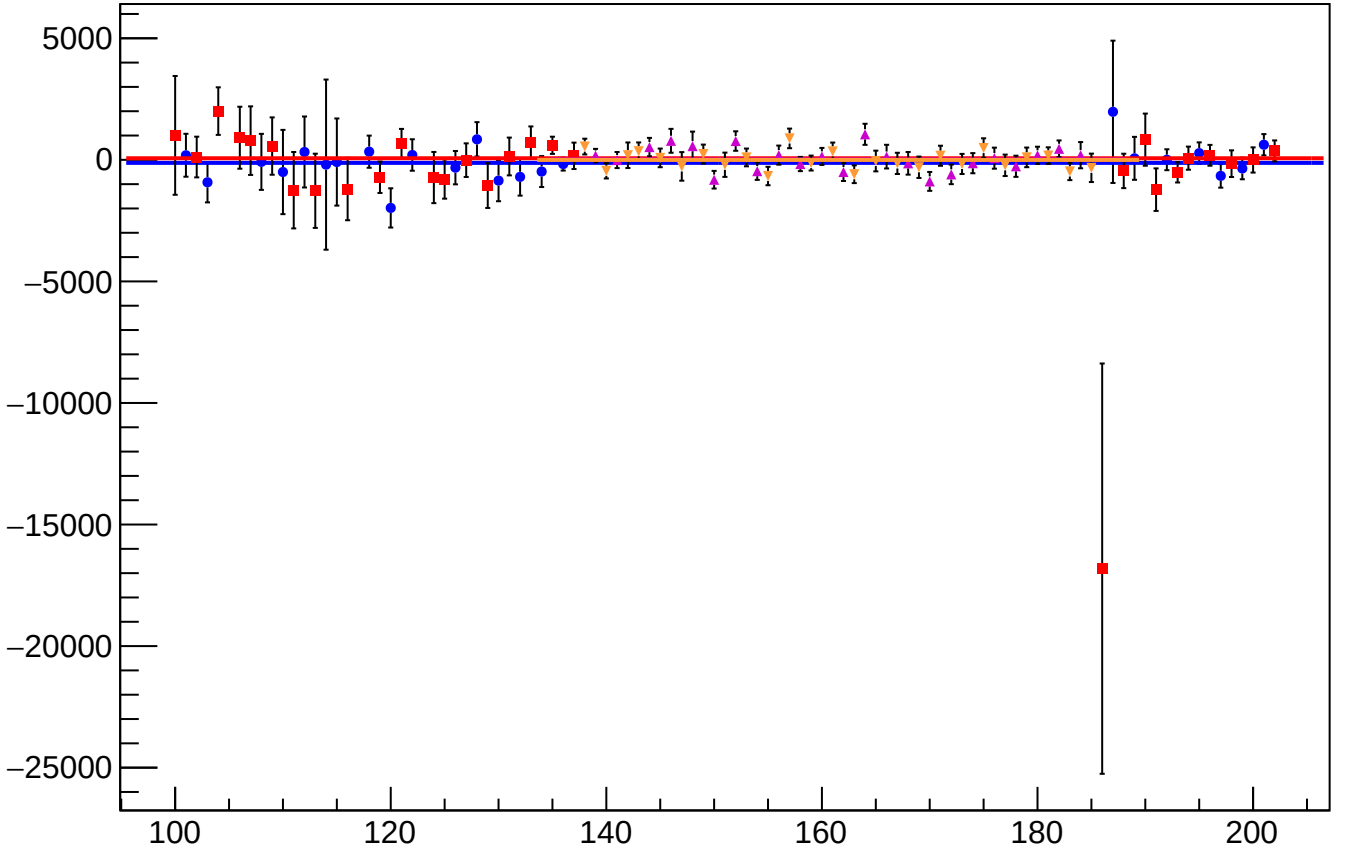
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 81.681+/-0.010 χ^2/NDF: 1331810.8/47

All: 82.248+/-0.007 χ^2/NDF: 3273328.3/99

- sign 82.817+/-0.010 χ^2/NDF: 1935535.7/51

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -124.547+/-128.064 χ^2/NDF: 16.7/22

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 65.120+/-124.570 χ^2/NDF: 26.3/28

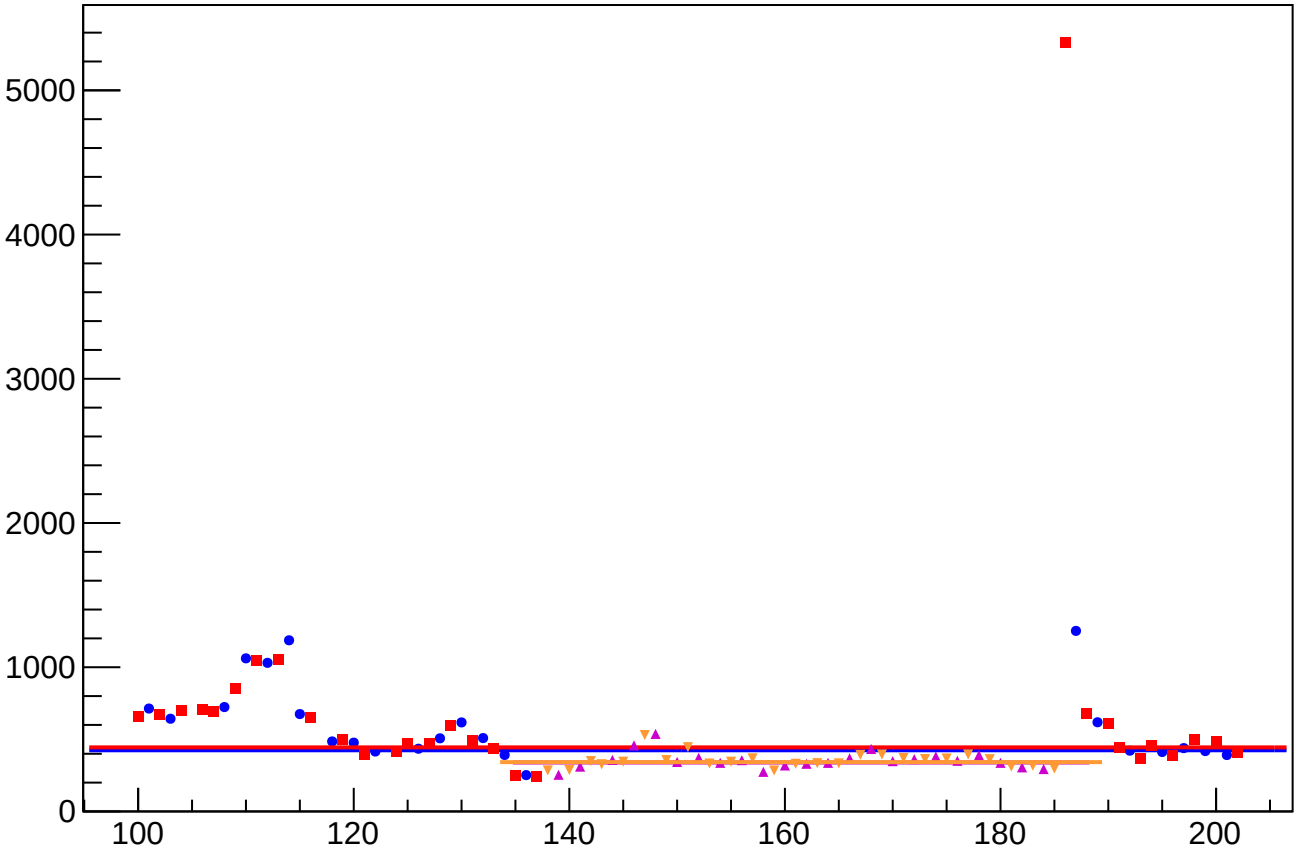
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -36.315+/-66.978 χ^2/NDF: 40.8/47

All: -3.040+/-47.564 χ^2/NDF: 102.7/99

\- sign 30.813+/-67.558 χ^2/NDF: 61.4/51

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 424.230+/-0.091 χ^2/NDF: 2527511.3/22

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 444.240+/-0.088 χ^2/NDF: 3400628.0/28

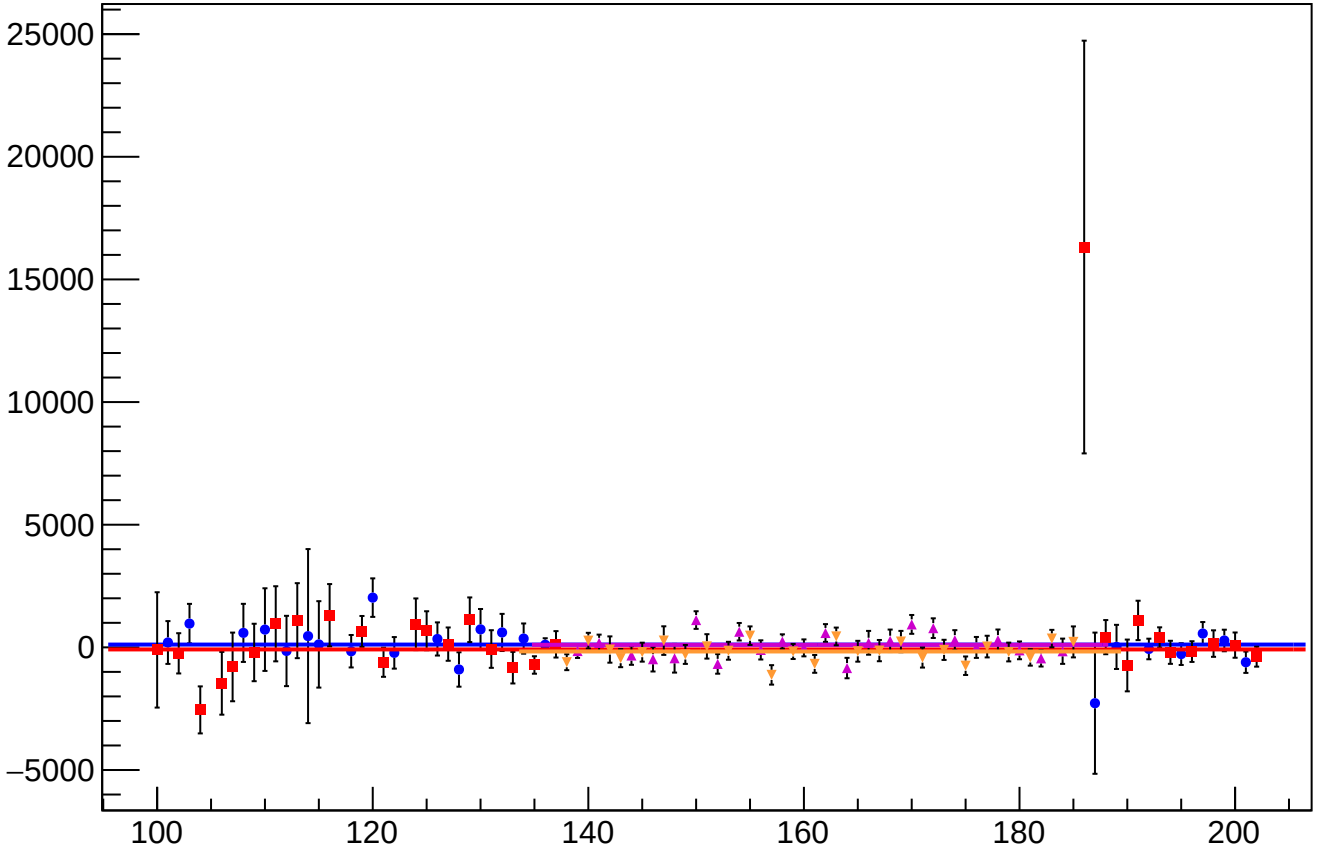
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 364.433+/-0.047 χ^2/NDF: 3781681.7/47

All: 367.319+/-0.034 χ^2/NDF: 9035928.8/99

- sign 370.256+/-0.048 χ^2/NDF: 5246752.2/51

asym_sam1_mean vs Slug



Right In: 113.506+/-126.512 χ^2/NDF: 16.7/22

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -84.408+/-122.540 χ^2/NDF: 30.1/28

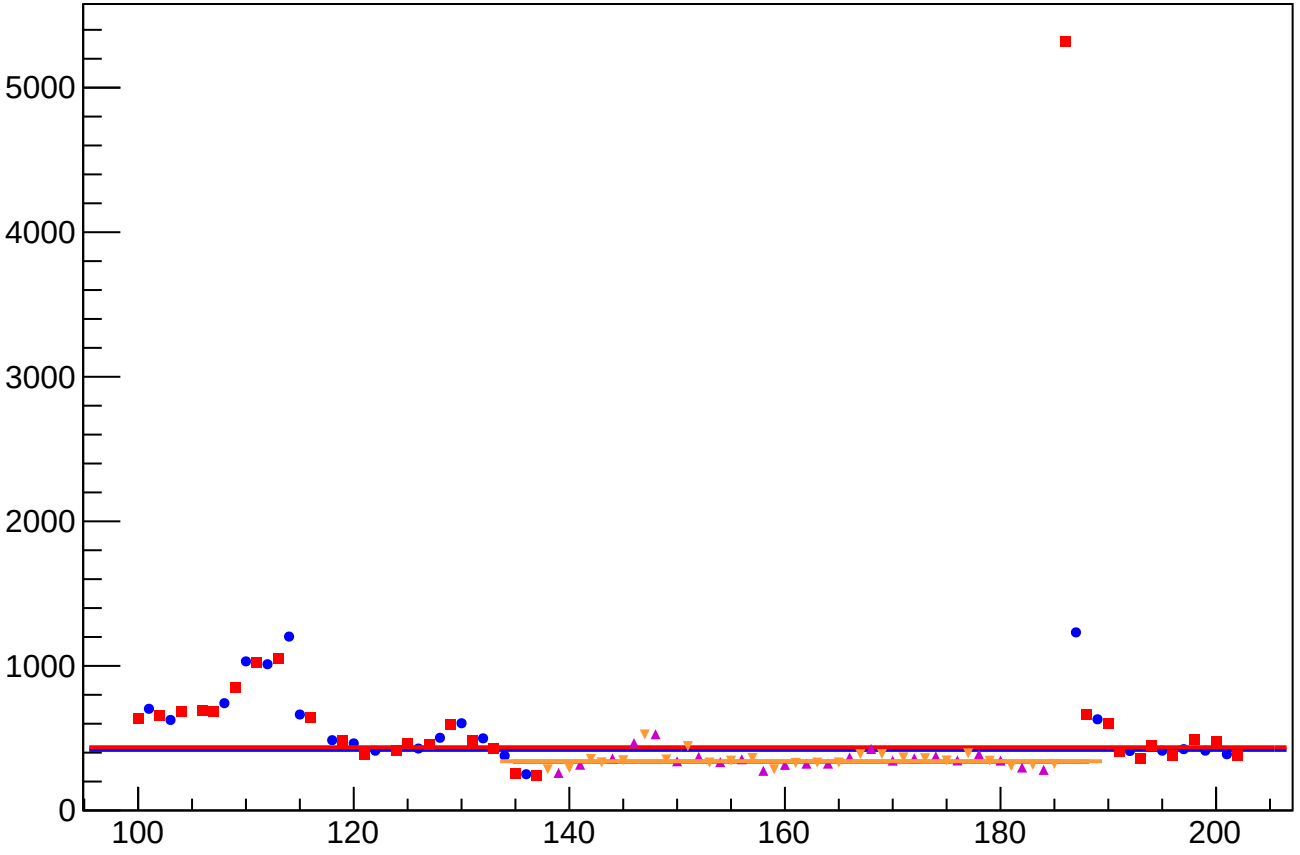
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -89.759+/-66.505 χ^2/NDF: 45.8/47

All: -21.518+/-47.195 χ^2/NDF: 117.2/99

- sign 47.711+/-66.985 χ^2/NDF: 69.2/51

asym_sam1_rms vs Slug



Right In: 419.220+/-0.089 χ^2/NDF: 2505821.4/22

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 437.168+/-0.087 χ^2/NDF: 3359682.6/28

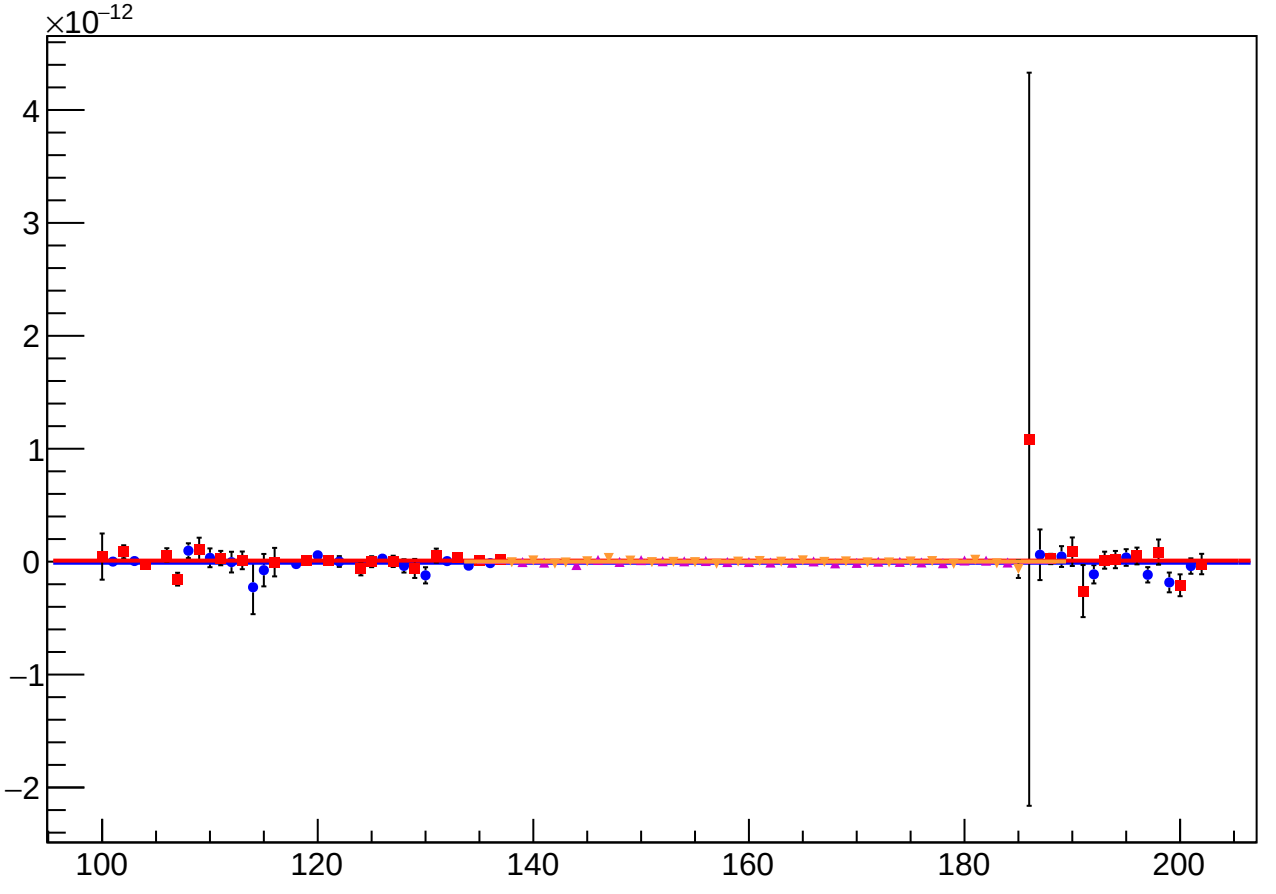
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 362.175+/-0.047 χ^2/NDF: 3671884.8/47

All: 364.800+/-0.033 χ^2/NDF: 8781439.9/99

- sign 367.464+/-0.047 χ^2/NDF: 5103275.6/51

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

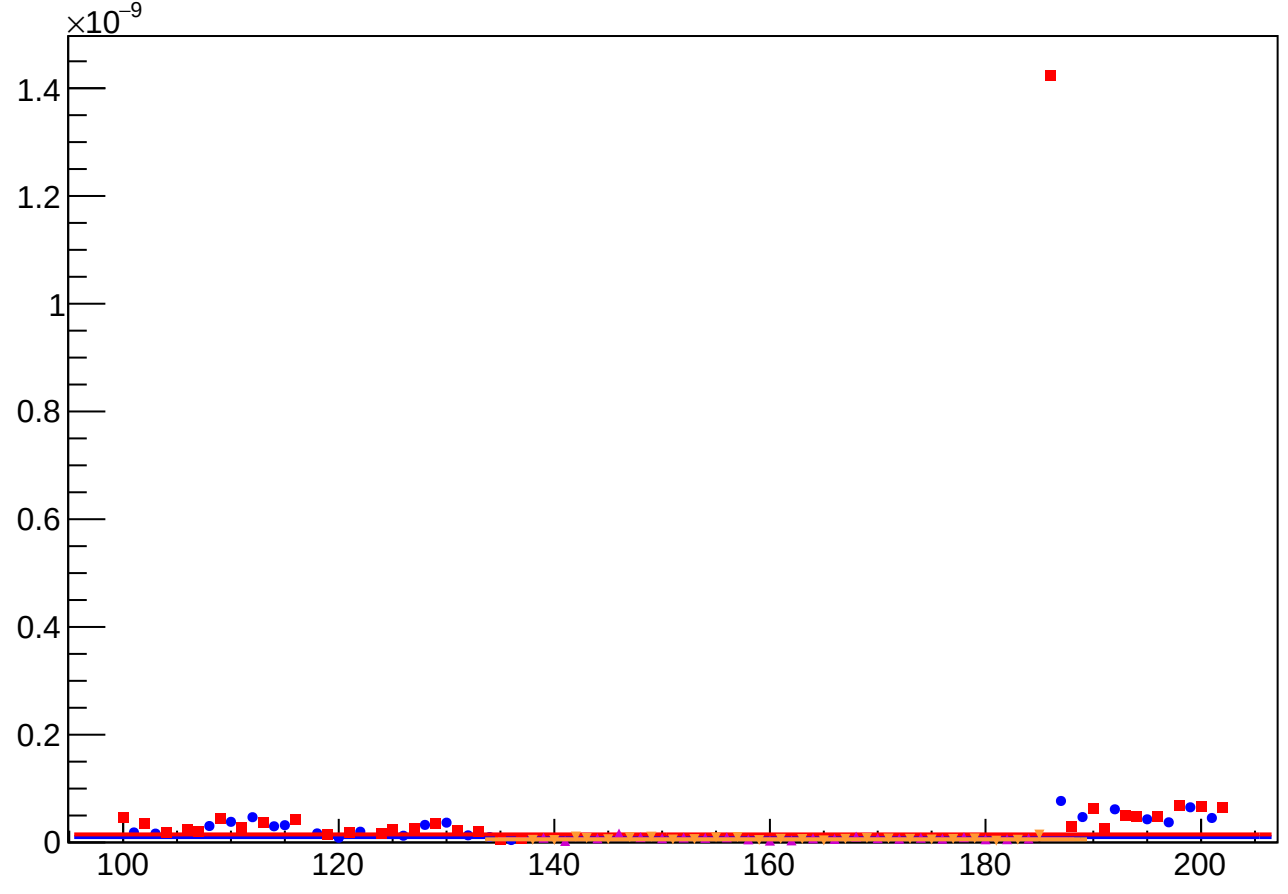
Right Out: 0.000+/-0.000 χ^2/NDF: 24.3/28

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.9/47

All: -0.000+/-0.000 χ^2/NDF: 82.0/99

- sign -0.000+/-0.000 χ^2/NDF: 38.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 6260211.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6775216.3/28

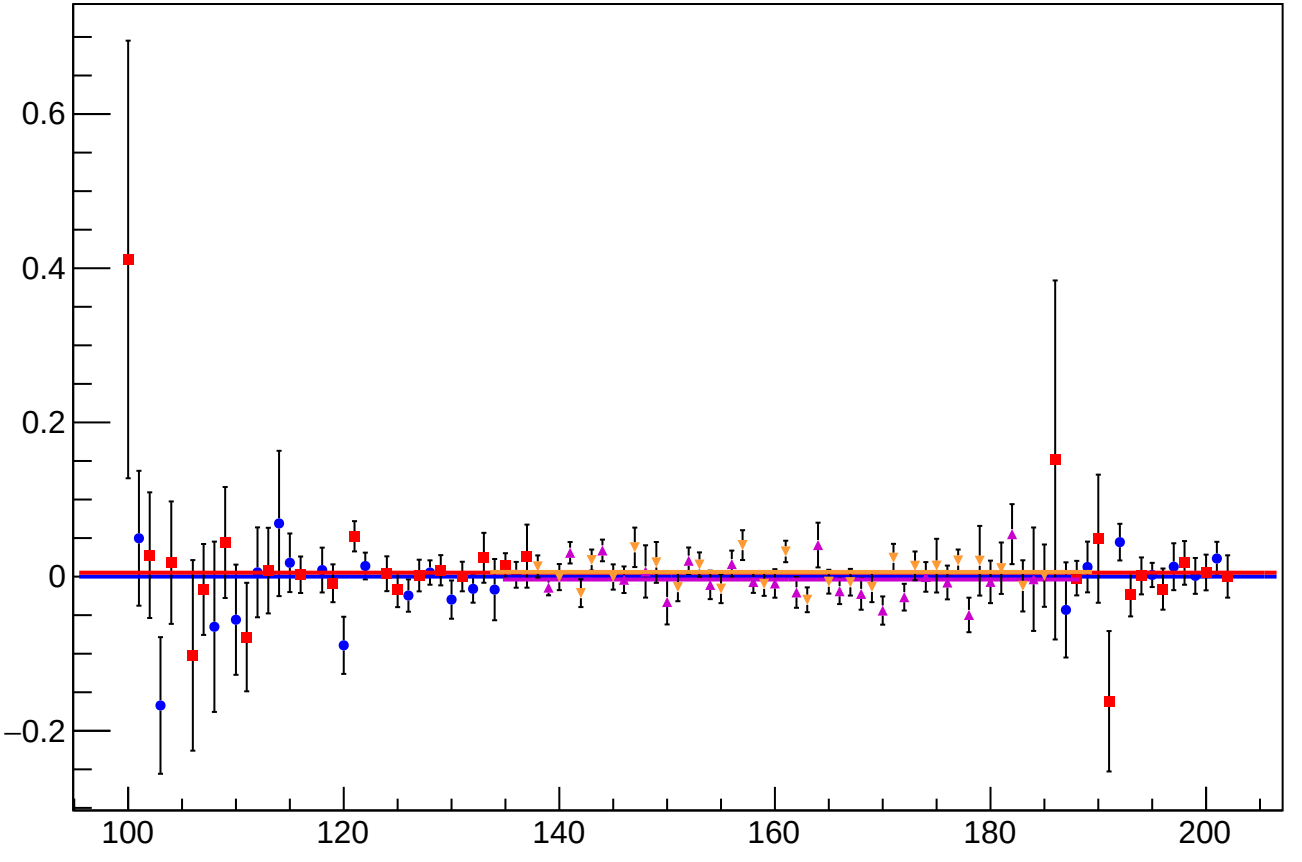
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8246192.9/47

All: 0.000+/-0.000 χ^2/NDF: 19321626.4/99

- sign 0.000+/-0.000 χ^2/NDF: 10969646.2/51

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.005 χ^2/NDF: 21.6/22

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.005 χ^2/NDF: 19.0/28

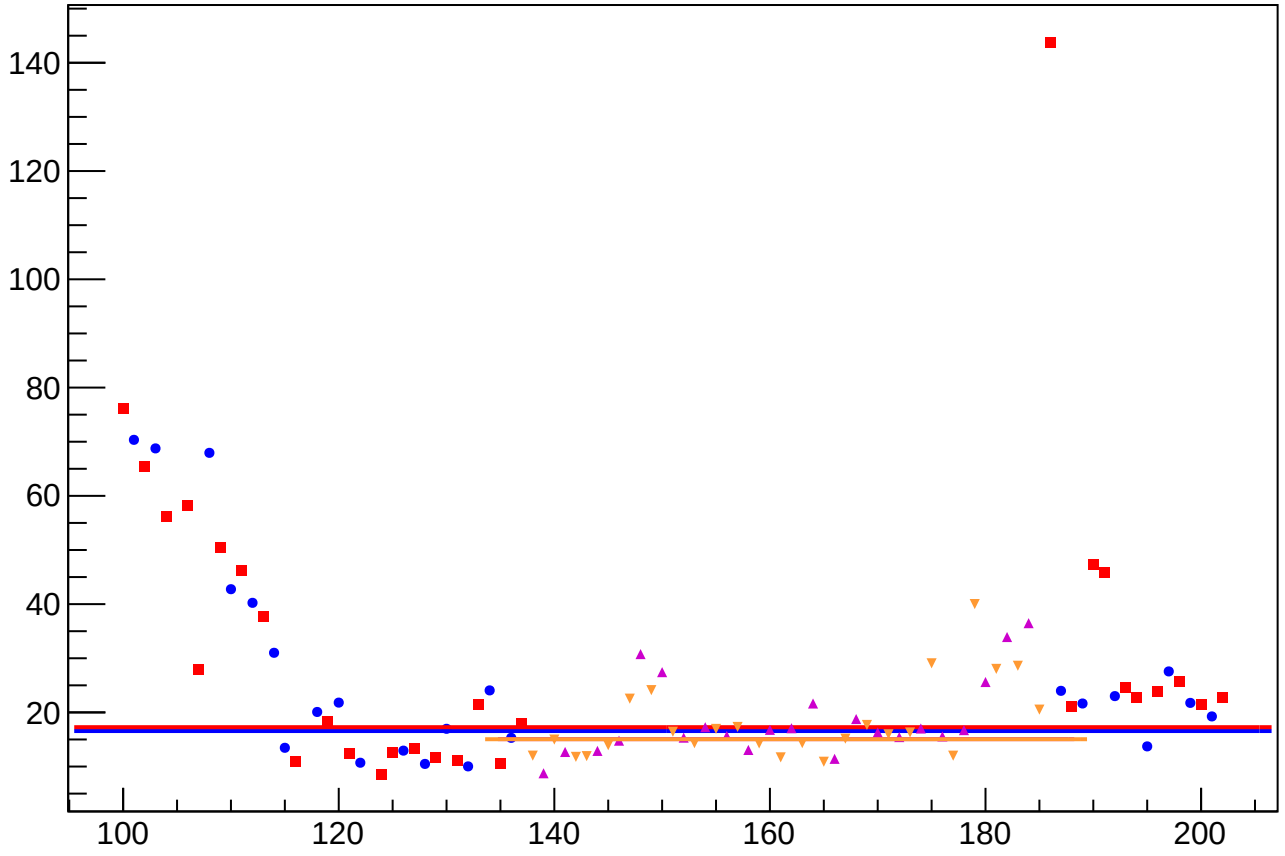
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 49.1/47

All: 0.002+/-0.002 χ^2/NDF: 108.3/99

- sign -0.001+/-0.003 χ^2/NDF: 58.0/51

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 16.558+/-0.004 χ^2/NDF: 4224524.5/22

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.269+/-0.004 χ^2/NDF: 5845938.6/28

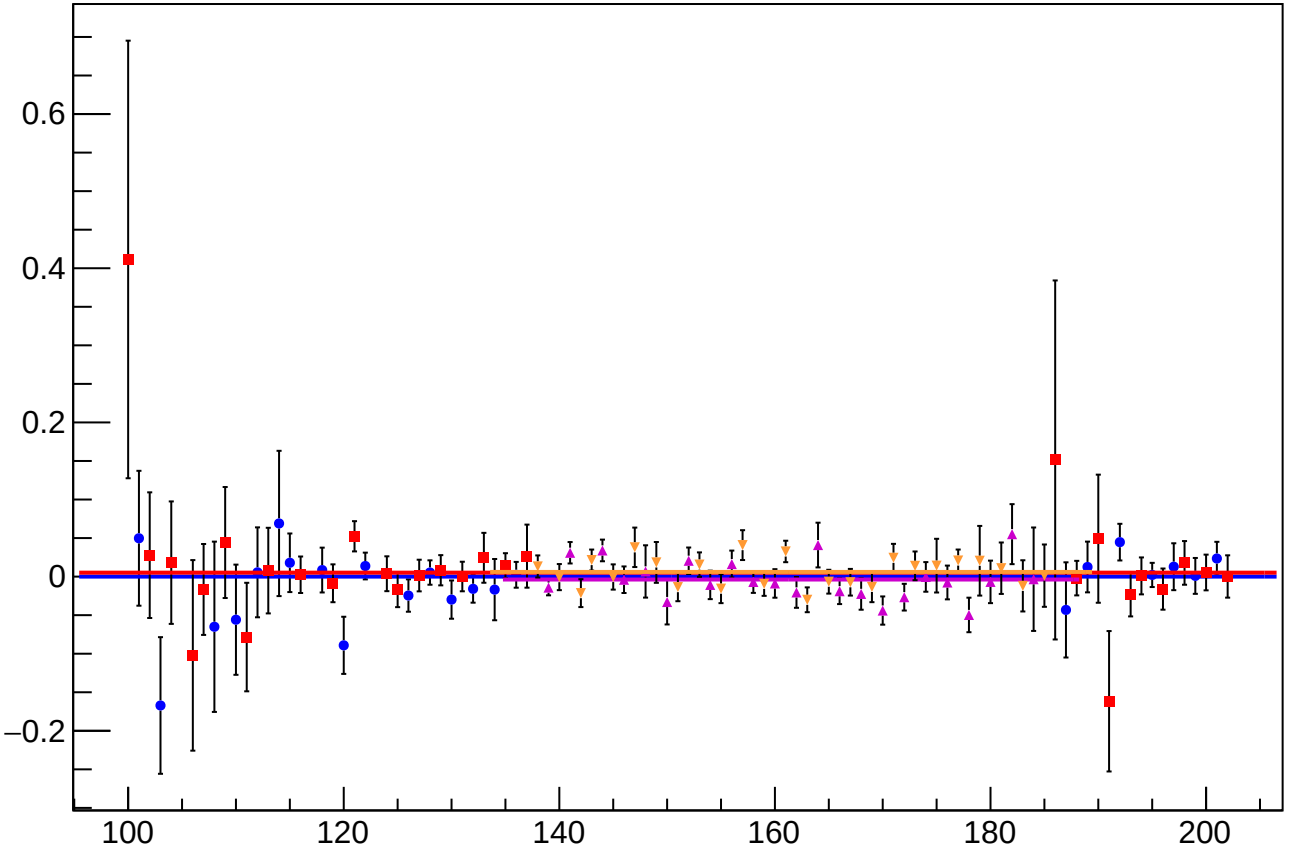
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.524+/-0.002 χ^2/NDF: 7089308.3/47

All: 15.671+/-0.002 χ^2/NDF: 16238039.7/99

- sign 15.824+/-0.002 χ^2/NDF: 9139211.1/51

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.005 χ^2/NDF: 21.6/22

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.005 χ^2/NDF: 19.0/28

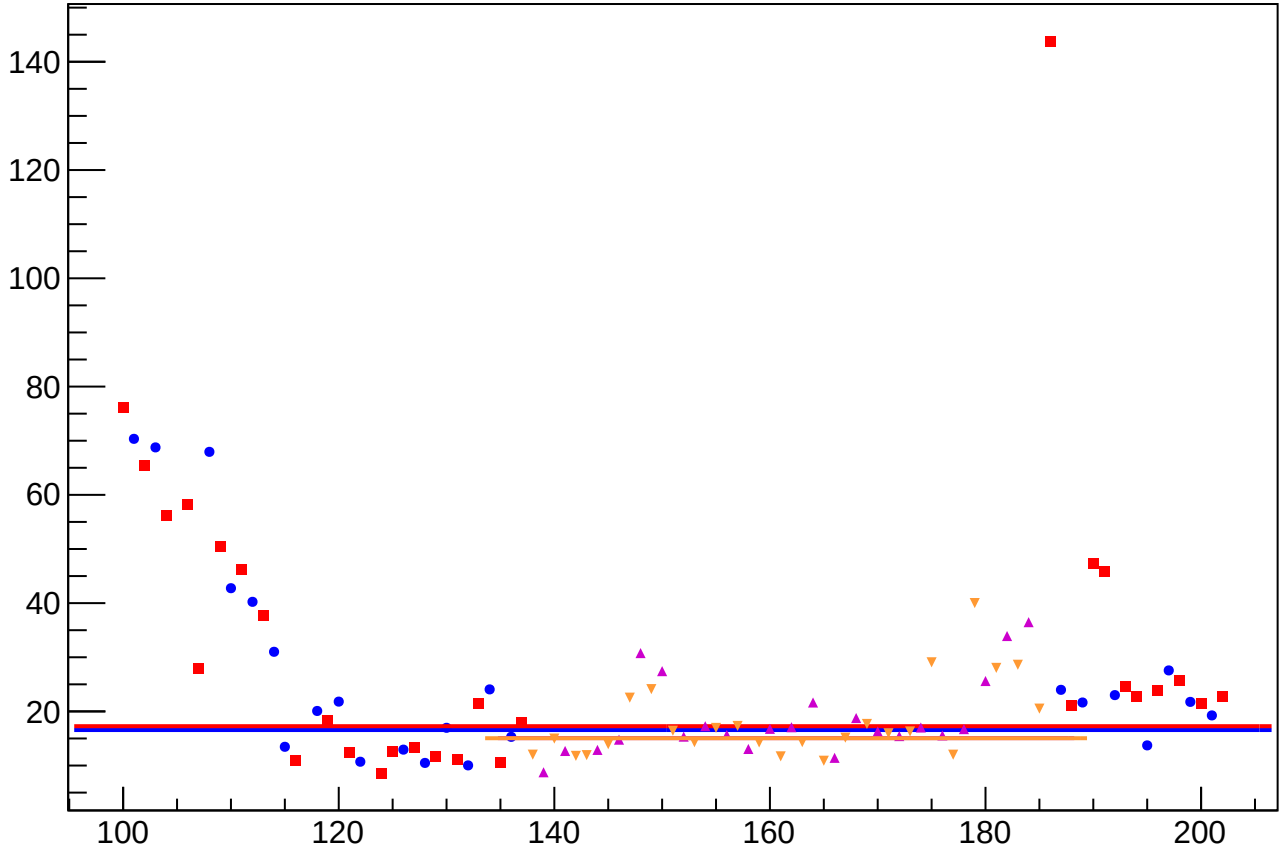
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 49.1/47

All: 0.002+/-0.002 χ^2/NDF: 108.3/99

- sign -0.001+/-0.003 χ^2/NDF: 58.0/51

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.558+/-0.004 χ^2/NDF: 4224524.5/22

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.269+/-0.004 χ^2/NDF: 5845938.6/28

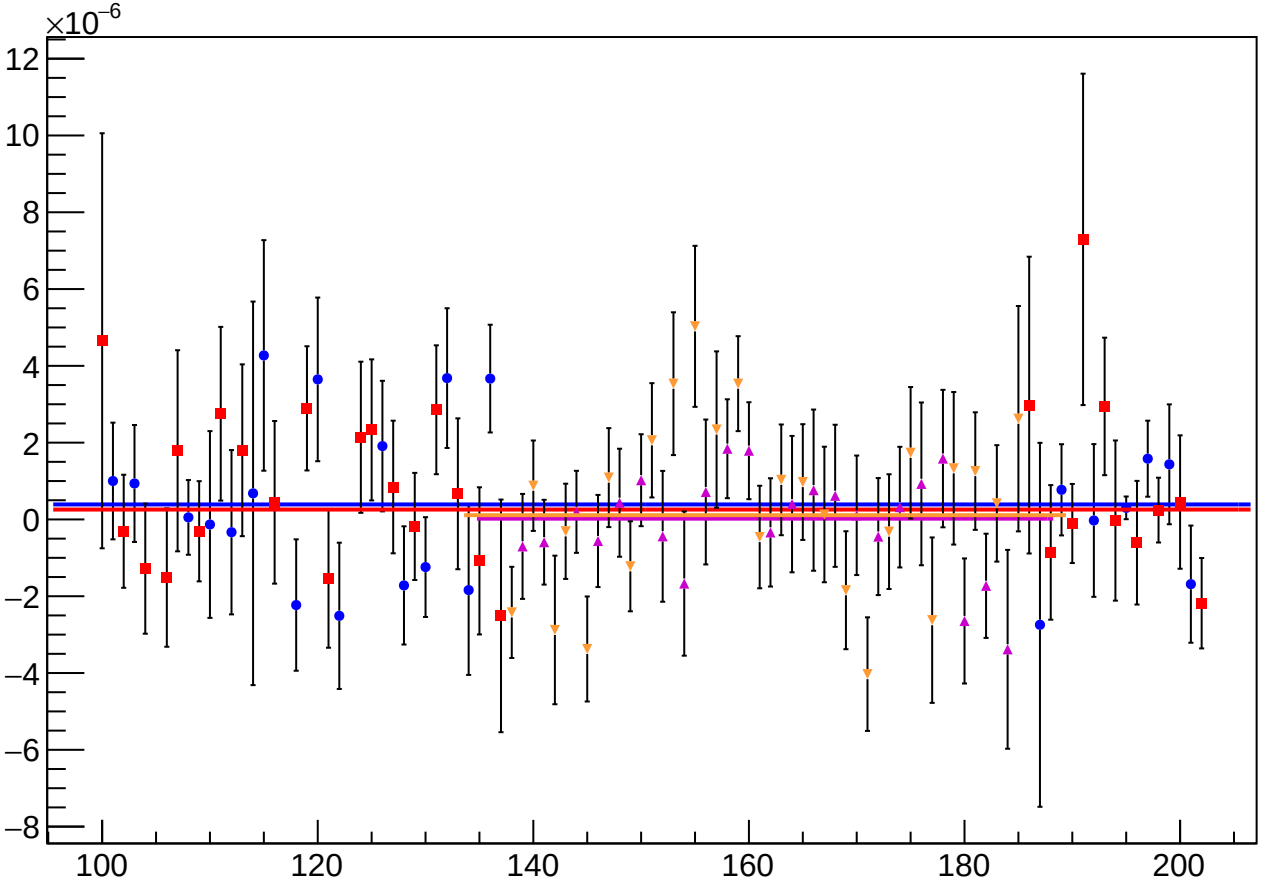
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.524+/-0.002 χ^2/NDF: 7089308.3/47

All: 15.671+/-0.002 χ^2/NDF: 16238039.7/99

- sign 15.824+/-0.002 χ^2/NDF: 9139211.1/51

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

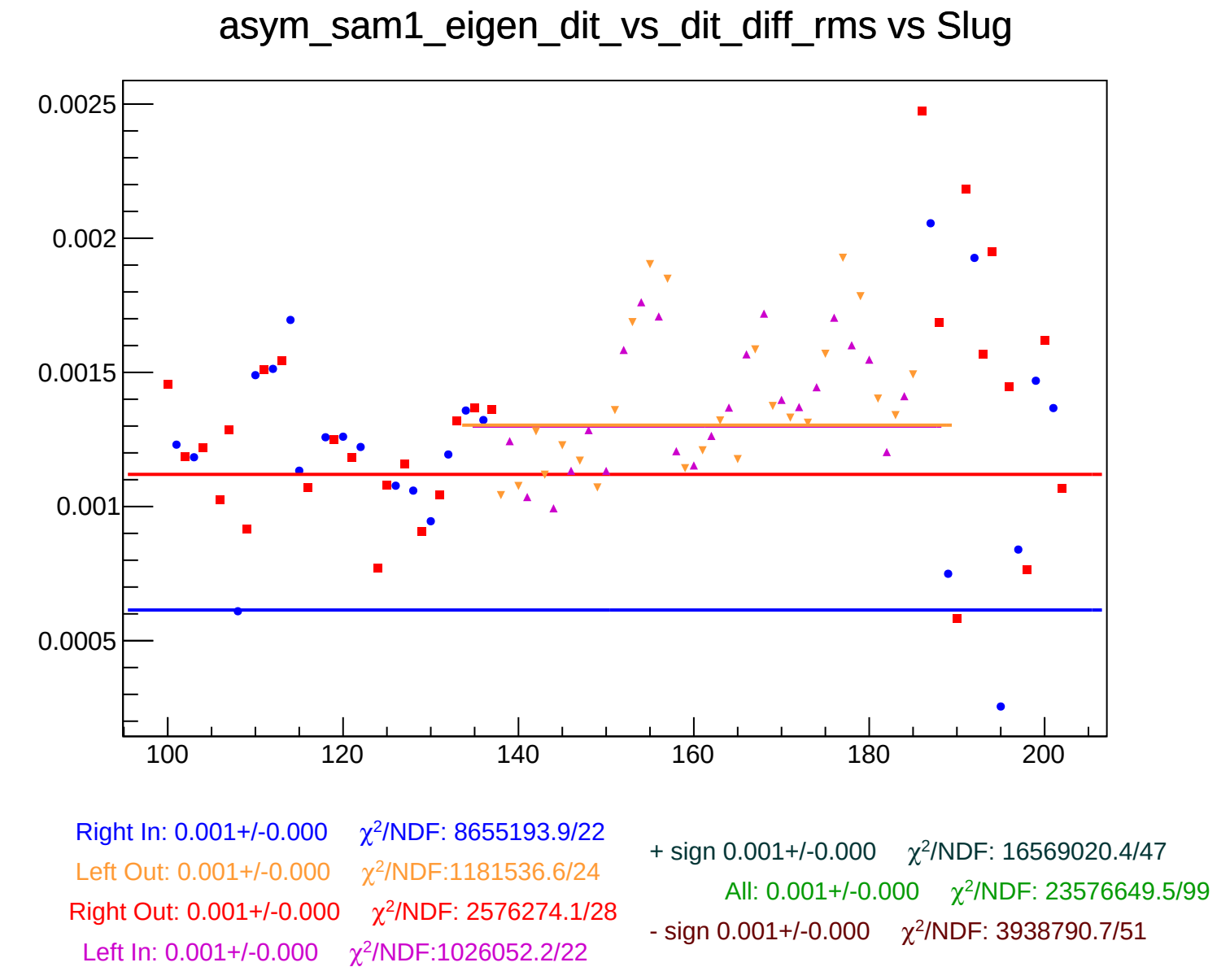
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/28

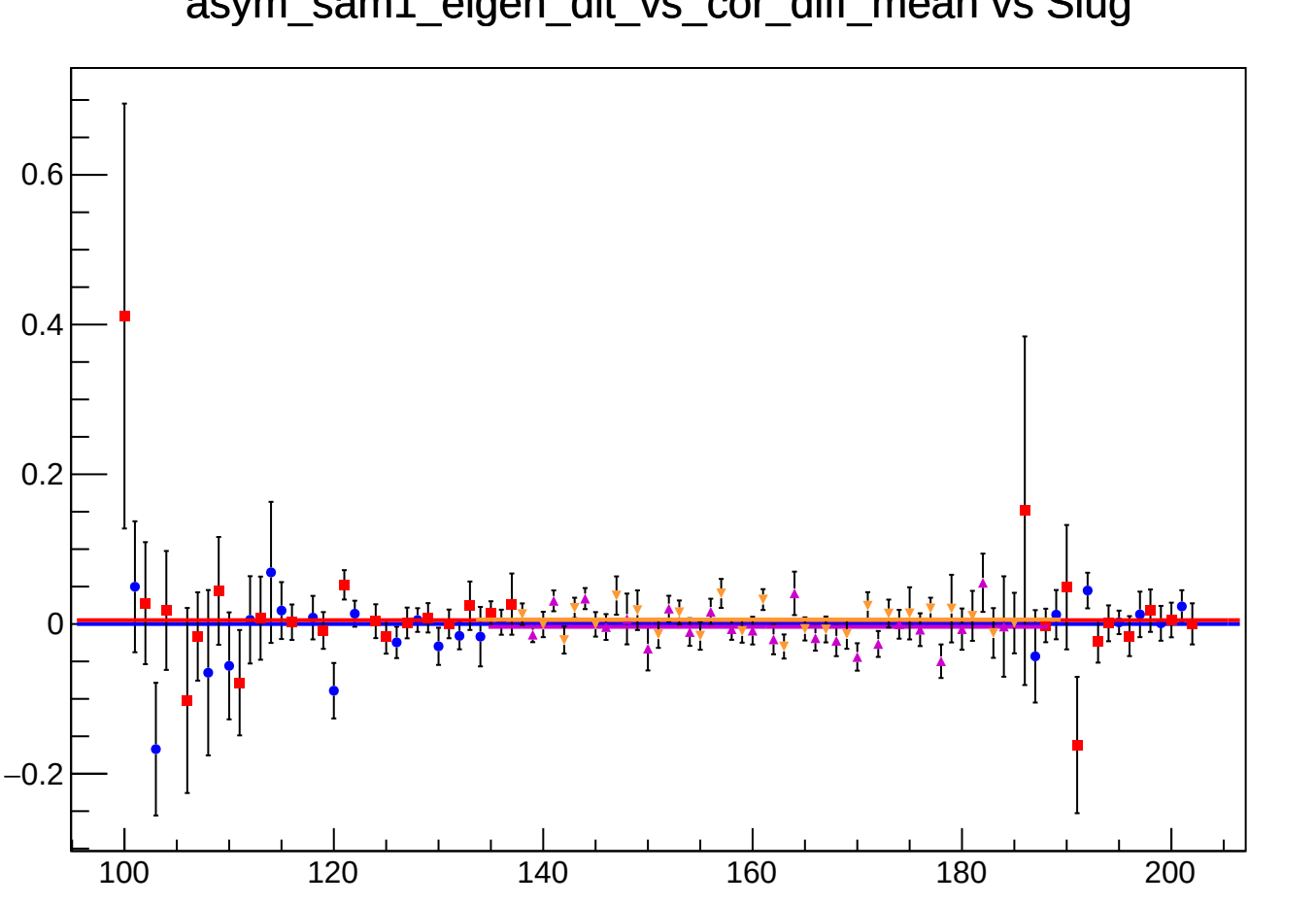
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.2/47

All: 0.000+/-0.000 χ^2/NDF: 118.1/99

- sign 0.000+/-0.000 χ^2/NDF: 39.6/51


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8655193.9/22
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 2576274.1/28
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
+ sign 0.001+/-0.000 χ²/NDF: 16569020.4/47
All: 0.001+/-0.000 χ²/NDF: 23576649.5/99
- sign 0.001+/-0.000 χ²/NDF: 3938790.7/51



Right In: 0.000+/-0.005 χ^2/NDF: 21.6/22

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.005 χ^2/NDF: 19.0/28

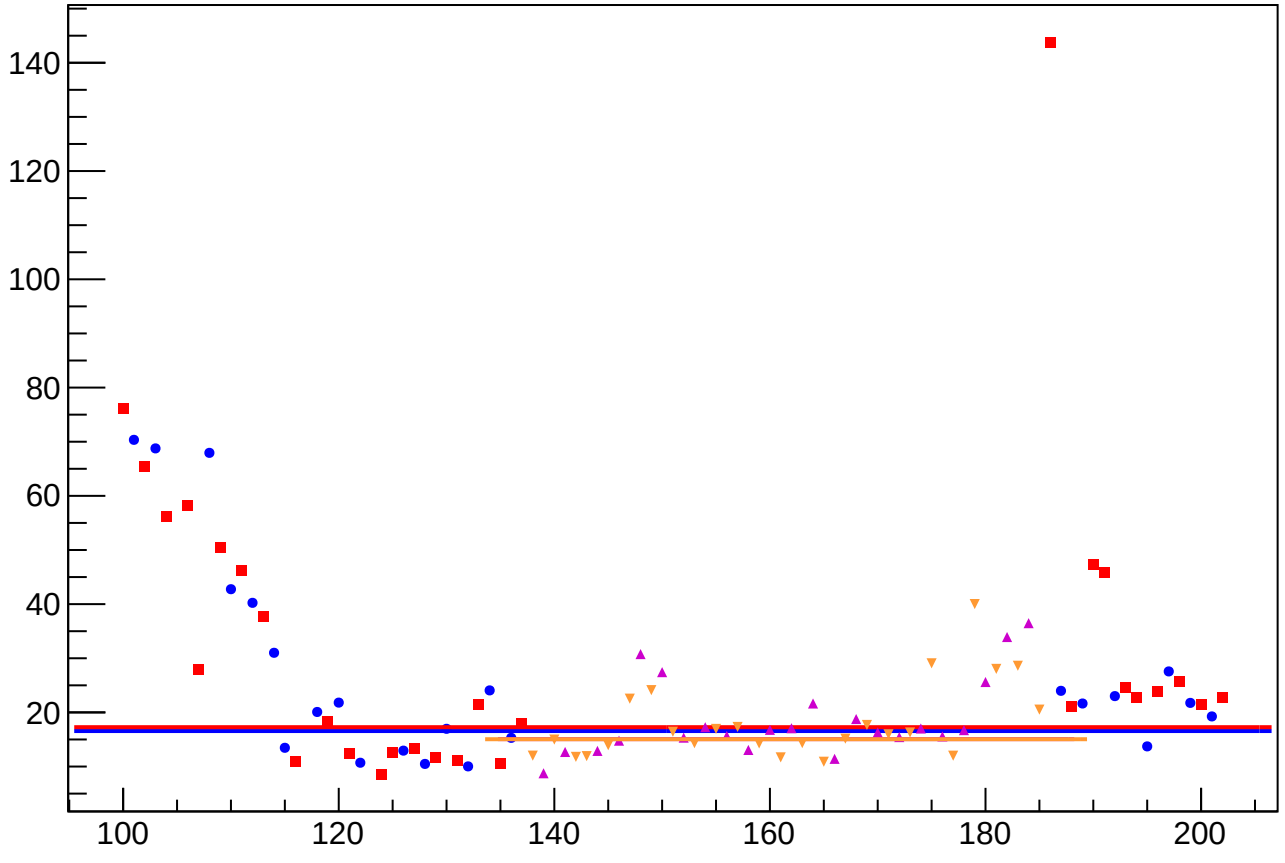
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 49.1/47

All: 0.002+/-0.002 χ^2/NDF: 108.3/99

- sign -0.001+/-0.003 χ^2/NDF: 58.0/51

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.558+/-0.004 χ^2/NDF: 4224502.2/22

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

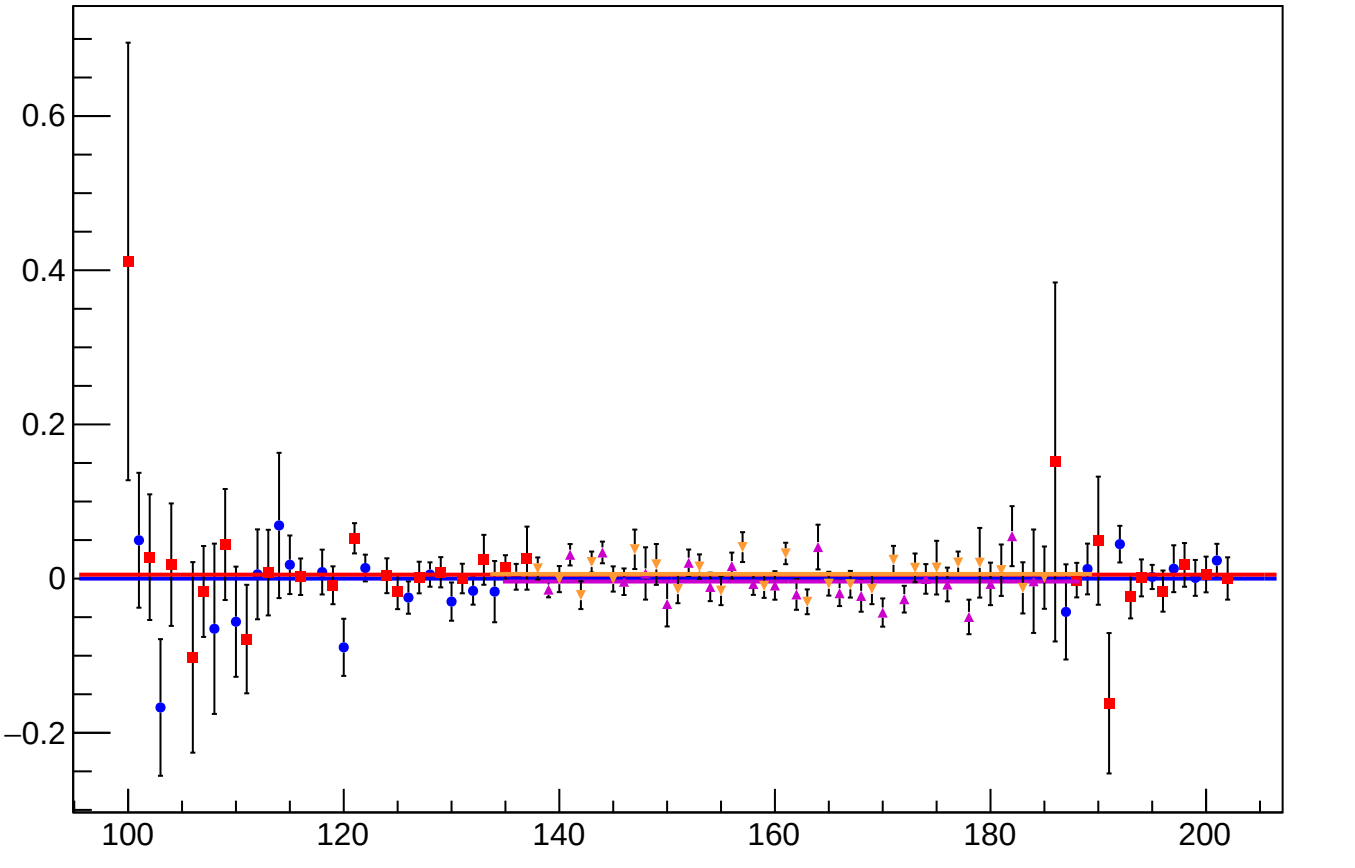
Right Out: 17.269+/-0.004 χ^2/NDF: 5845879.1/28

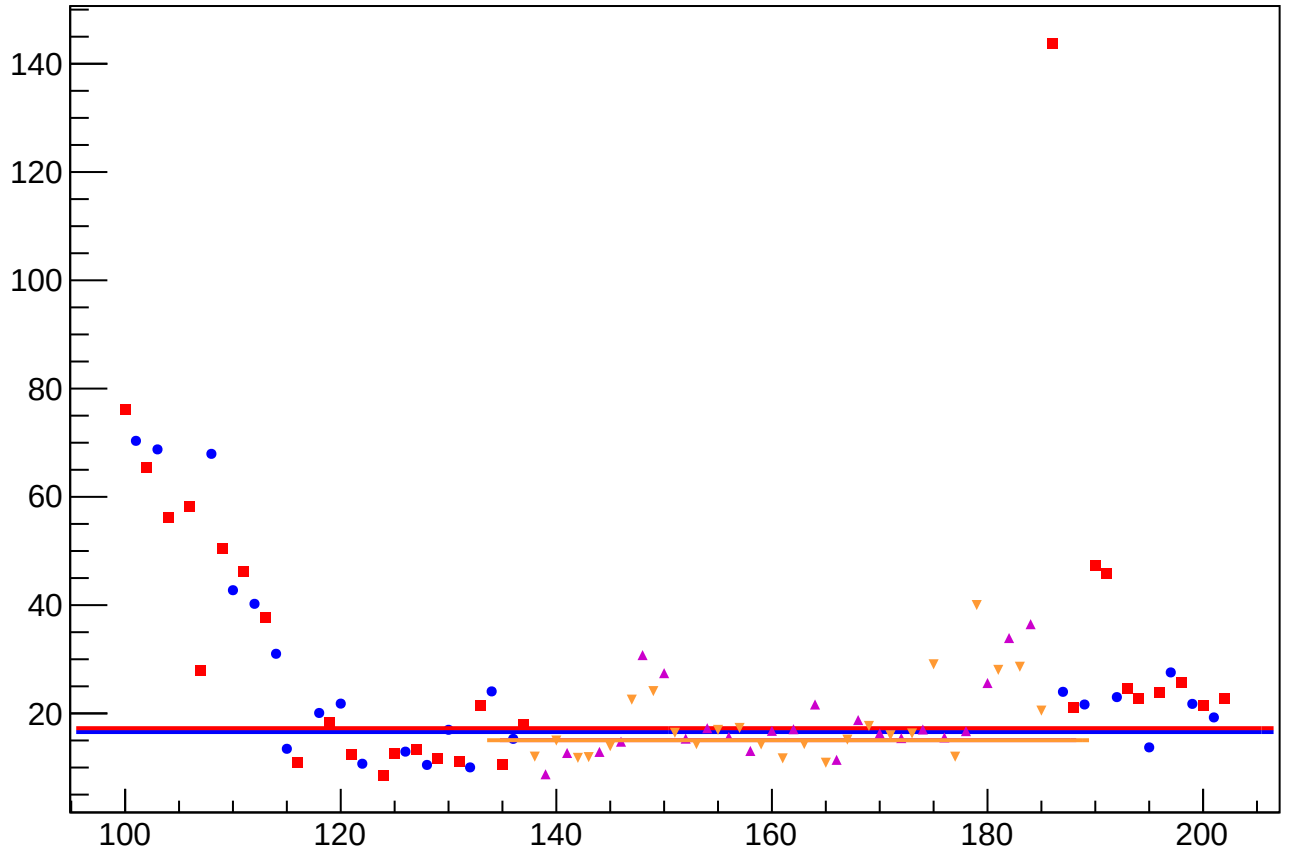
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.524+/-0.002 χ^2/NDF: 7089504.7/47

All: 15.671+/-0.002 χ^2/NDF: 16238231.3/99

- sign 15.824+/-0.002 χ^2/NDF: 9139202.4/51


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: 0.000+/-0.005 χ²/NDF: 21.6/22
Left Out: 0.006+/-0.004 χ²/NDF:26.7/24
Right Out: 0.005+/-0.005 χ²/NDF: 19.0/28
Left In: -0.004+/-0.004 χ²/NDF:37.1/22
+ sign 0.004+/-0.003 χ²/NDF: 49.1/47
All: 0.002+/-0.002 χ²/NDF: 108.3/99
- sign -0.001+/-0.003 χ²/NDF: 58.0/51



Right In: 16.558+/-0.004 χ^2/NDF: 4224502.2/22

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

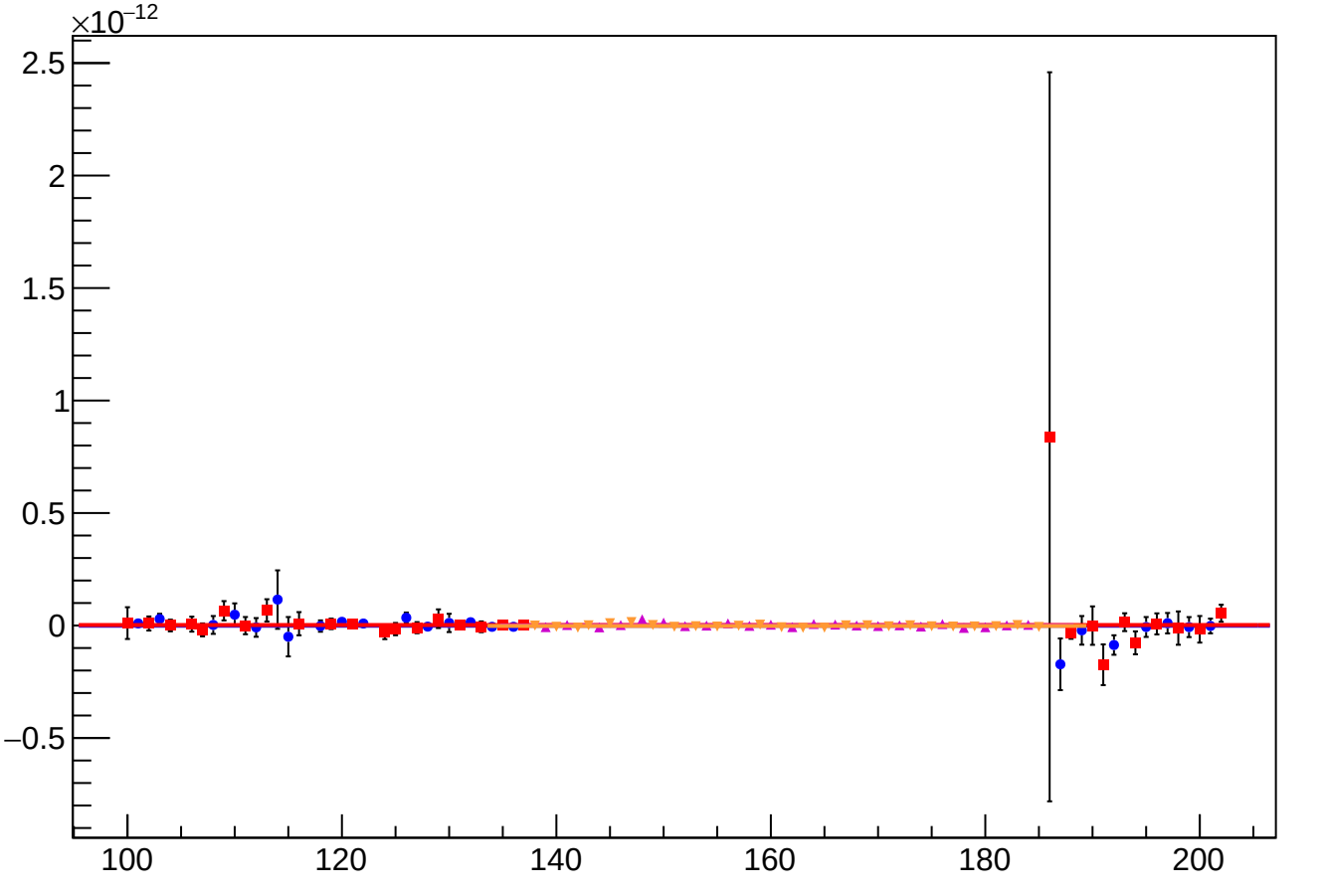
Right Out: 17.269+/-0.004 χ^2/NDF: 5845879.1/28

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.524+/-0.002 χ^2/NDF: 7089504.7/47

All: 15.671+/-0.002 χ^2/NDF: 16238231.3/99

- sign 15.824+/-0.002 χ^2/NDF: 9139202.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

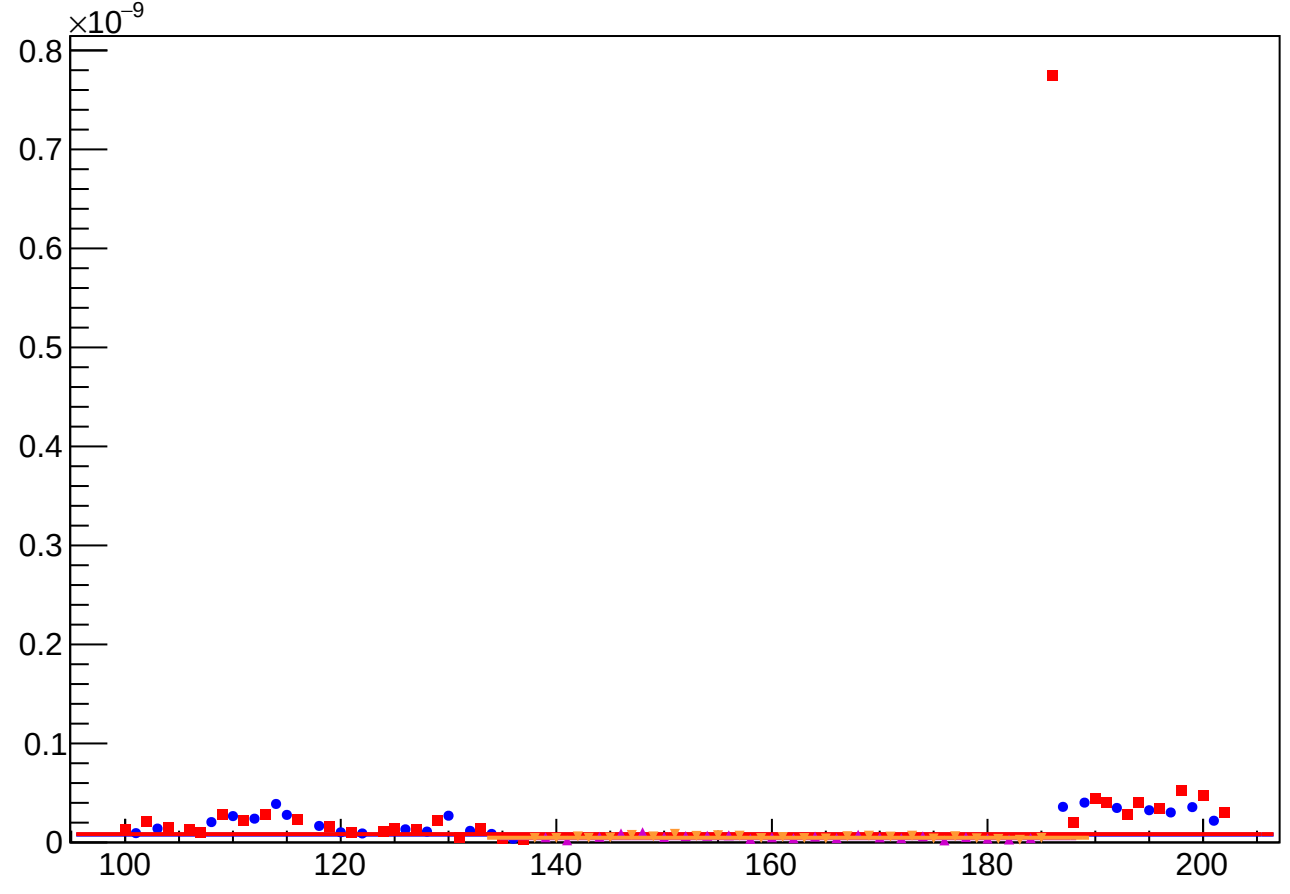
Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/28

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/47

All: -0.000+/-0.000 χ^2/NDF: 72.1/99

- sign 0.000+/-0.000 χ^2/NDF: 39.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 7343801.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10174846.7/28

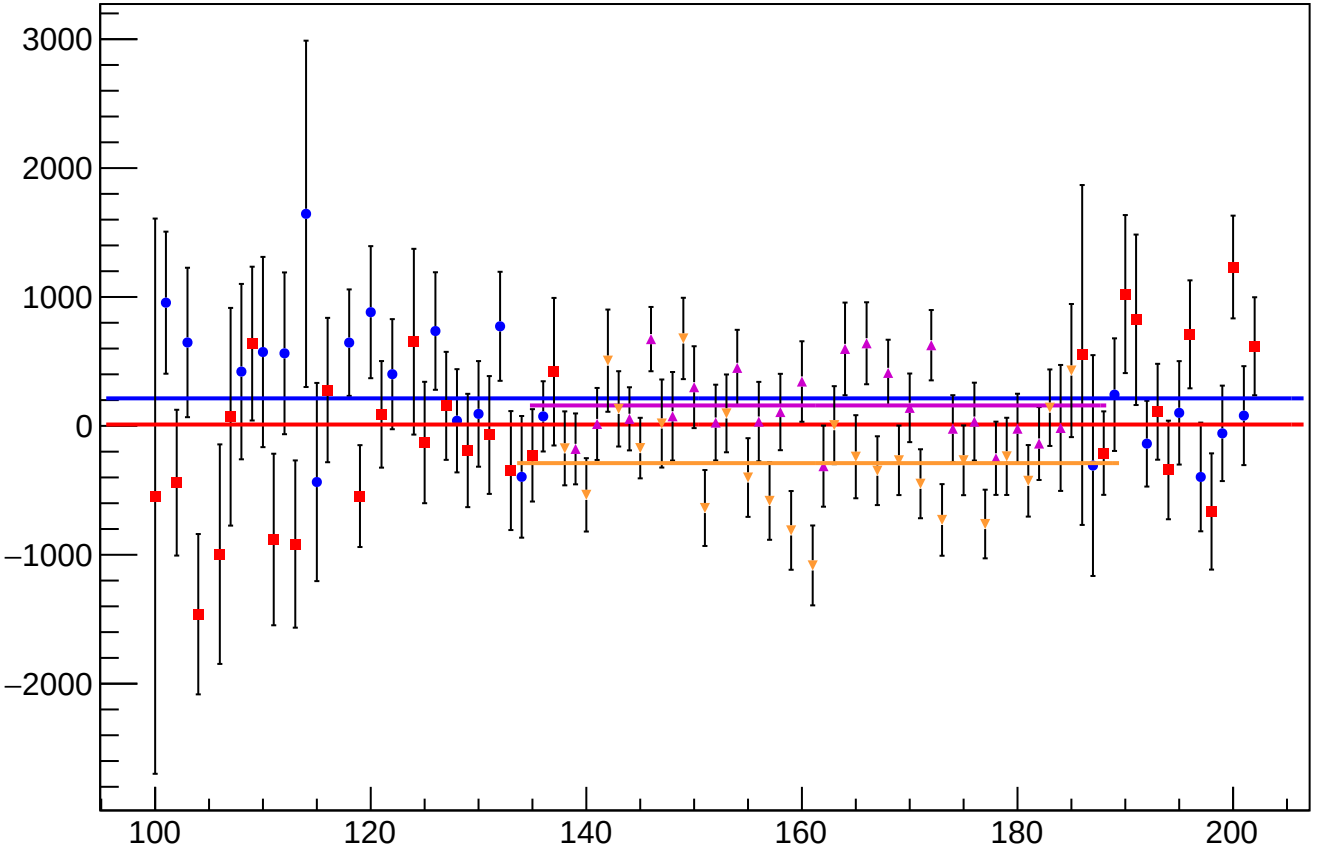
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10701588.6/47

All: 0.000+/-0.000 χ^2/NDF: 26618584.5/99

- sign 0.000+/-0.000 χ^2/NDF: 15807628.3/51

reg_asym_sam2_mean vs Slug



Right In: 213.554+/-94.354 χ^2/NDF: 17.4/22

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 10.551+/-90.469 χ^2/NDF: 40.5/28

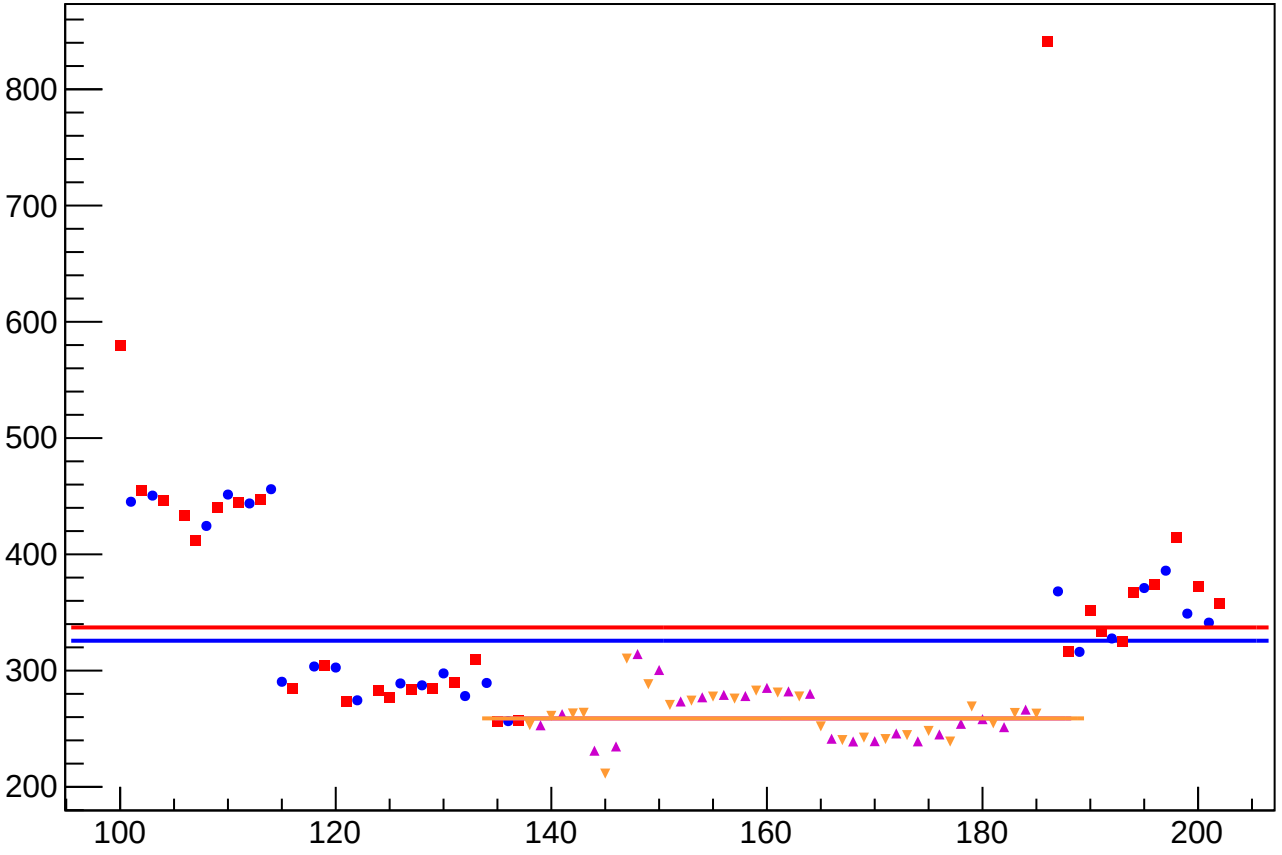
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -147.560+/-50.046 χ^2/NDF: 80.2/47

All: -18.404+/-35.516 χ^2/NDF: 158.5/99

- sign 112.635+/-50.410 χ^2/NDF: 64.8/51

reg_asym_sam2_rms vs Slug



Right In: 325.702+/-0.067 χ^2/NDF: 709726.4/22

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 337.135+/-0.064 χ^2/NDF: 1150630.1/28

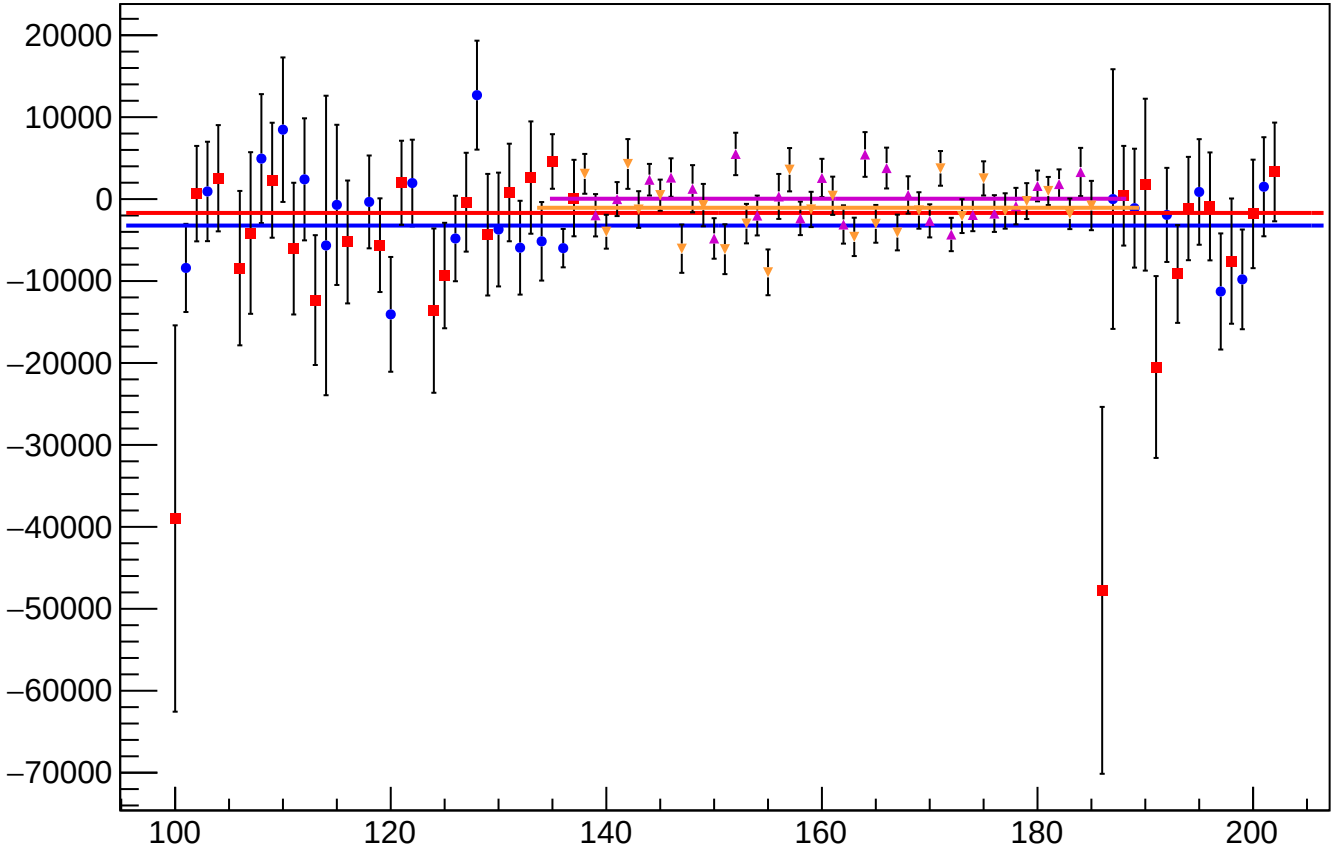
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.702+/-0.035 χ^2/NDF: 1678674.4/47

All: 280.407+/-0.025 χ^2/NDF: 4118811.3/99

- sign 283.151+/-0.036 χ^2/NDF: 2428369.2/51

asym_sam2_reg_correction_mean vs Slug



Right In: -3229.324+/-1197.533 χ^2/NDF: 19.7/22

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1689.122+/-1221.651 χ^2/NDF: 24.8/28

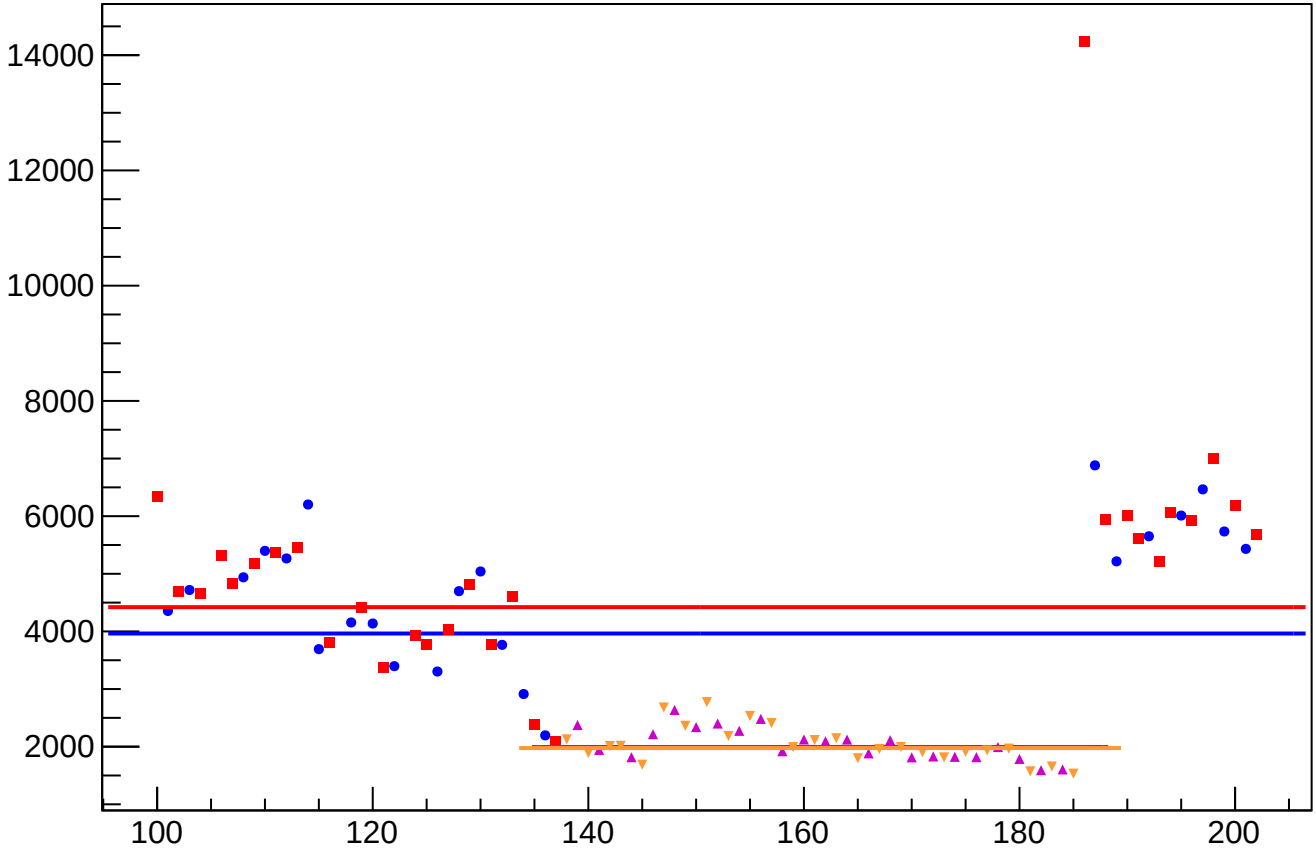
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1332.620+/-425.050 χ^2/NDF: 64.1/47

All: -775.077+/-305.444 χ^2/NDF: 128.4/99

- sign -179.726+/-439.225 χ^2/NDF: 60.7/51

asym_sam2_reg_correction_rms vs Slug



Right In: 3963.673+/-0.847 χ^2/NDF: 2623069.8/22

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

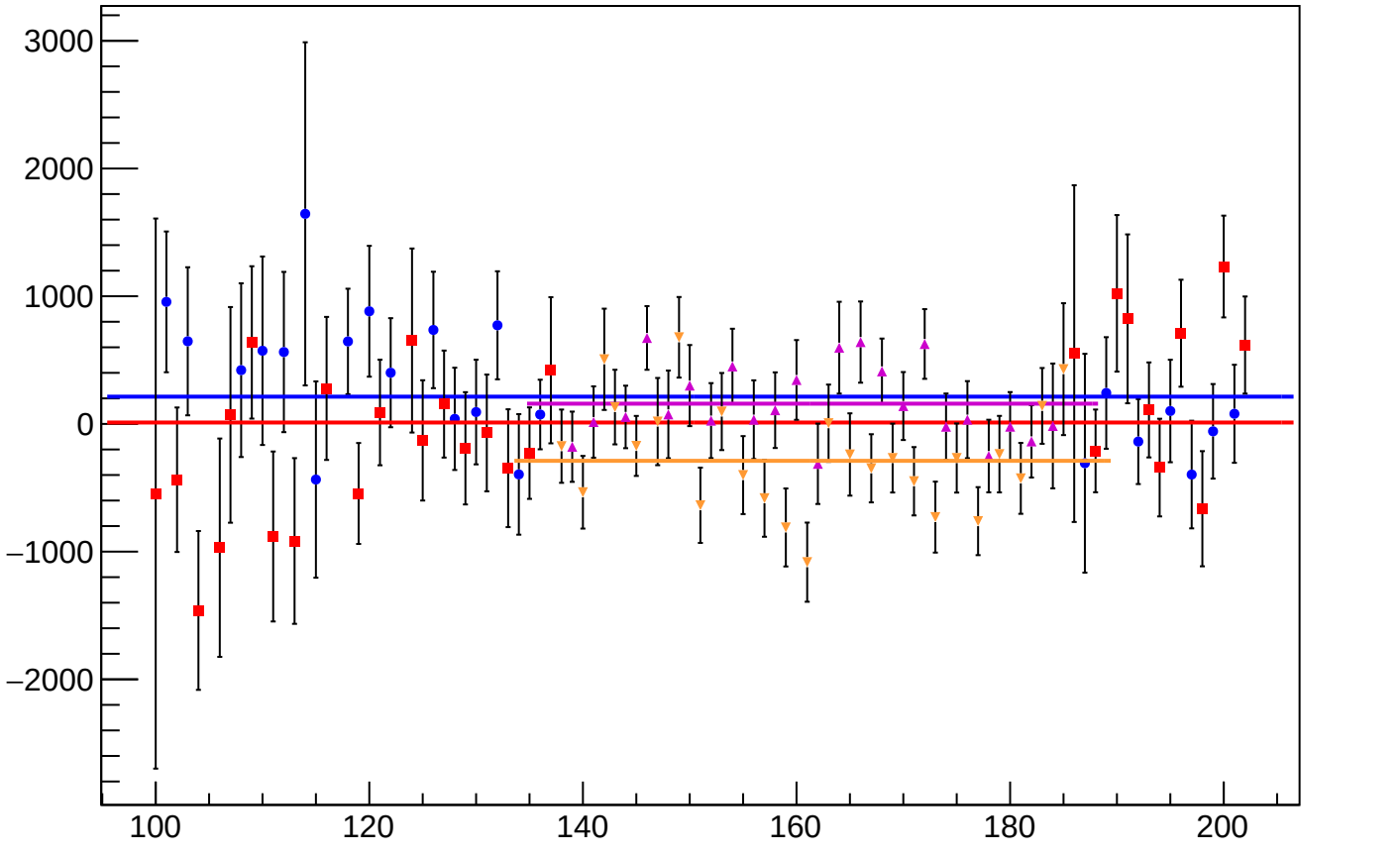
Right Out: 4421.229+/-0.864 χ^2/NDF: 2848474.8/28

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

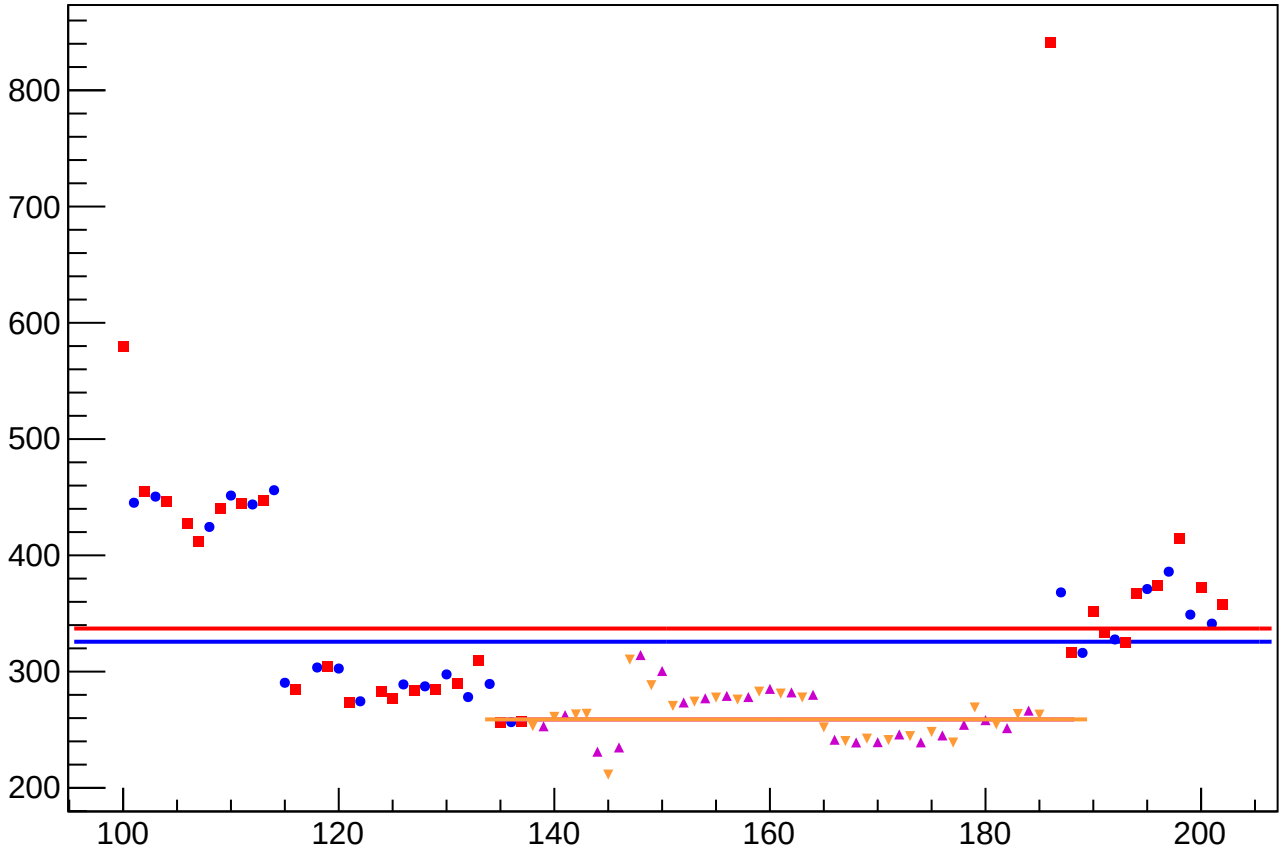
+ sign 2226.381+/-0.301 χ^2/NDF: 8202326.6/47

All: 2266.054+/-0.216 χ^2/NDF: 18557057.6/9

- sign 2308.417+/-0.311 χ^2/NDF: 10318701.8/51


cor_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
100
120
140
160
180
200
Right In: 213.530+/-94.354 χ²/NDF: 17.4/22
Left Out: -288.928+/-59.035 χ²/NDF:42.4/24
Right Out: 11.033+/-90.474 χ²/NDF: 40.4/28
Left In: 158.612+/-60.708 χ²/NDF:22.5/22
+ sign -147.569+/-50.046 χ²/NDF: 80.2/47
All: -18.332+/-35.516 χ²/NDF: 158.4/99
- sign 112.795+/-50.411 χ²/NDF: 64.7/51

cor_asym_sam2_rms vs Slug



Right In: 325.702+/-0.067 χ^2/NDF: 709727.7/22

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 337.053+/-0.064 χ^2/NDF: 1147169.0/28

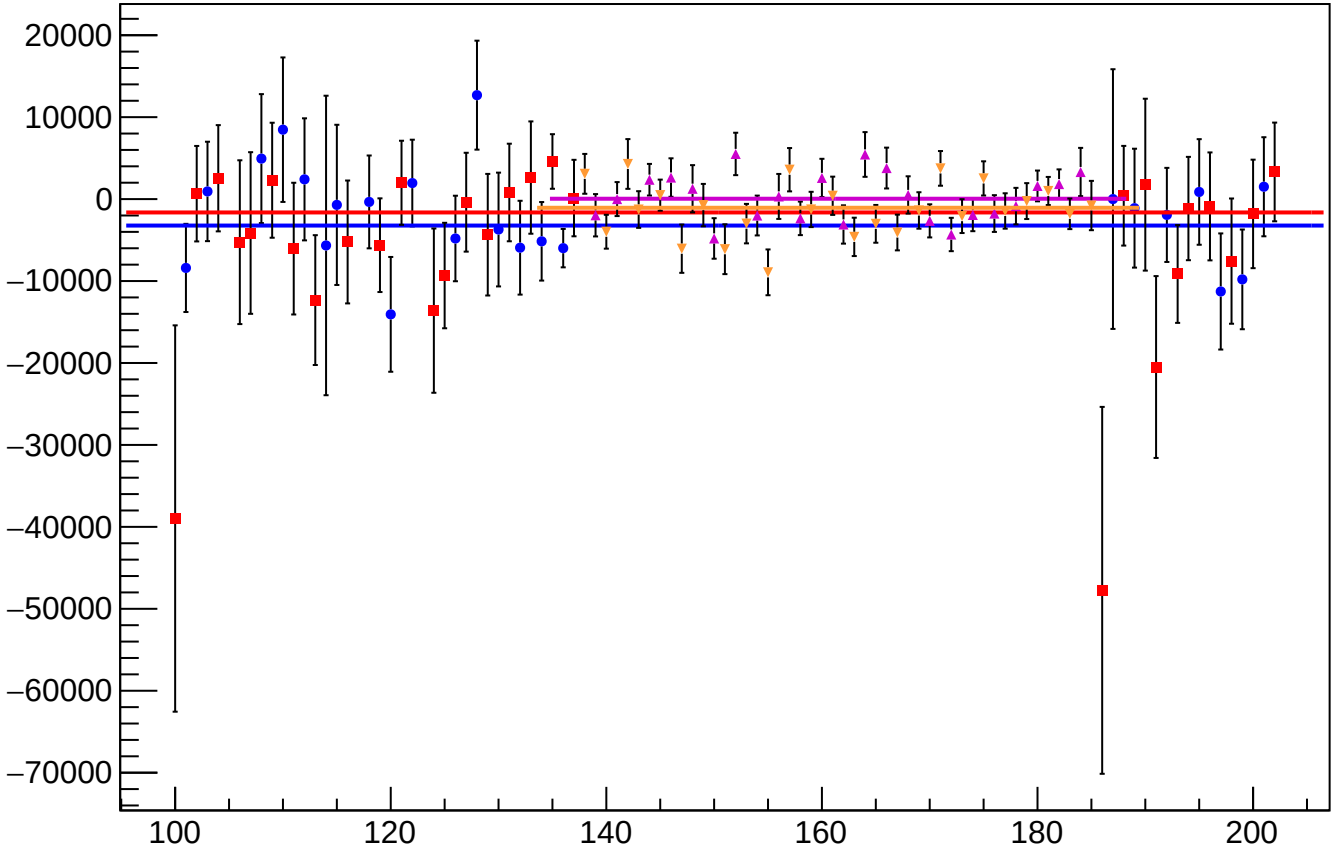
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.702+/-0.035 χ^2/NDF: 1678676.0/47

All: 280.393+/-0.025 χ^2/NDF: 4112994.4/99

- sign 283.124+/-0.036 χ^2/NDF: 2422668.4/51

asym_sam2_cor_correction_mean vs Slug



Right In: -3229.274+/-1197.535 χ^2/NDF: 19.7/22

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1629.476+/-1222.826 χ^2/NDF: 24.4/28

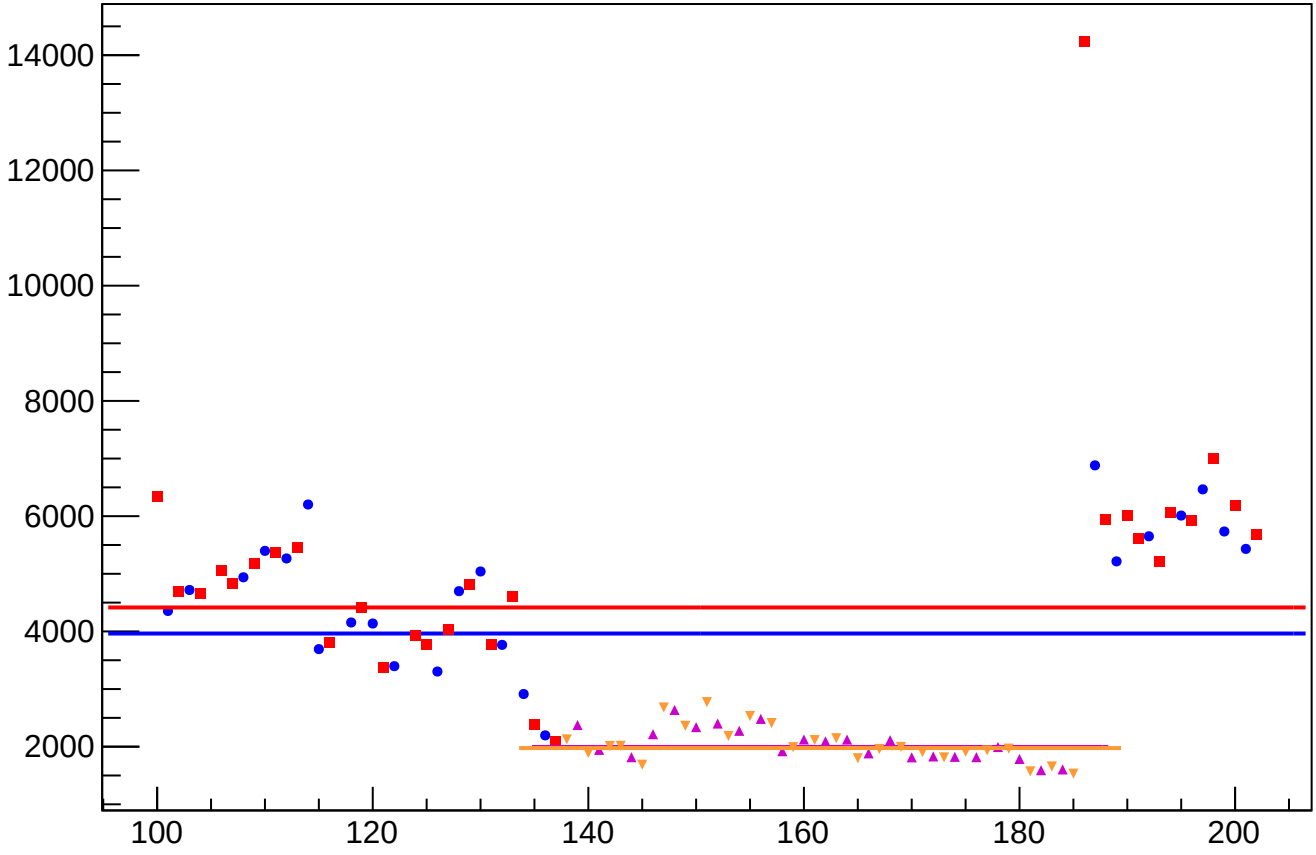
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1332.616+/-425.050 χ^2/NDF: 64.1/47

All: -771.245+/-305.463 χ^2/NDF: 127.9/99

- sign -171.657+/-439.280 χ^2/NDF: 60.2/51

asym_sam2_cor_correction_rms vs Slug



Right In: 3963.678+/-0.847 χ^2/NDF: 2623080.4/22

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4415.977+/-0.865 χ^2/NDF: 2838977.6/28

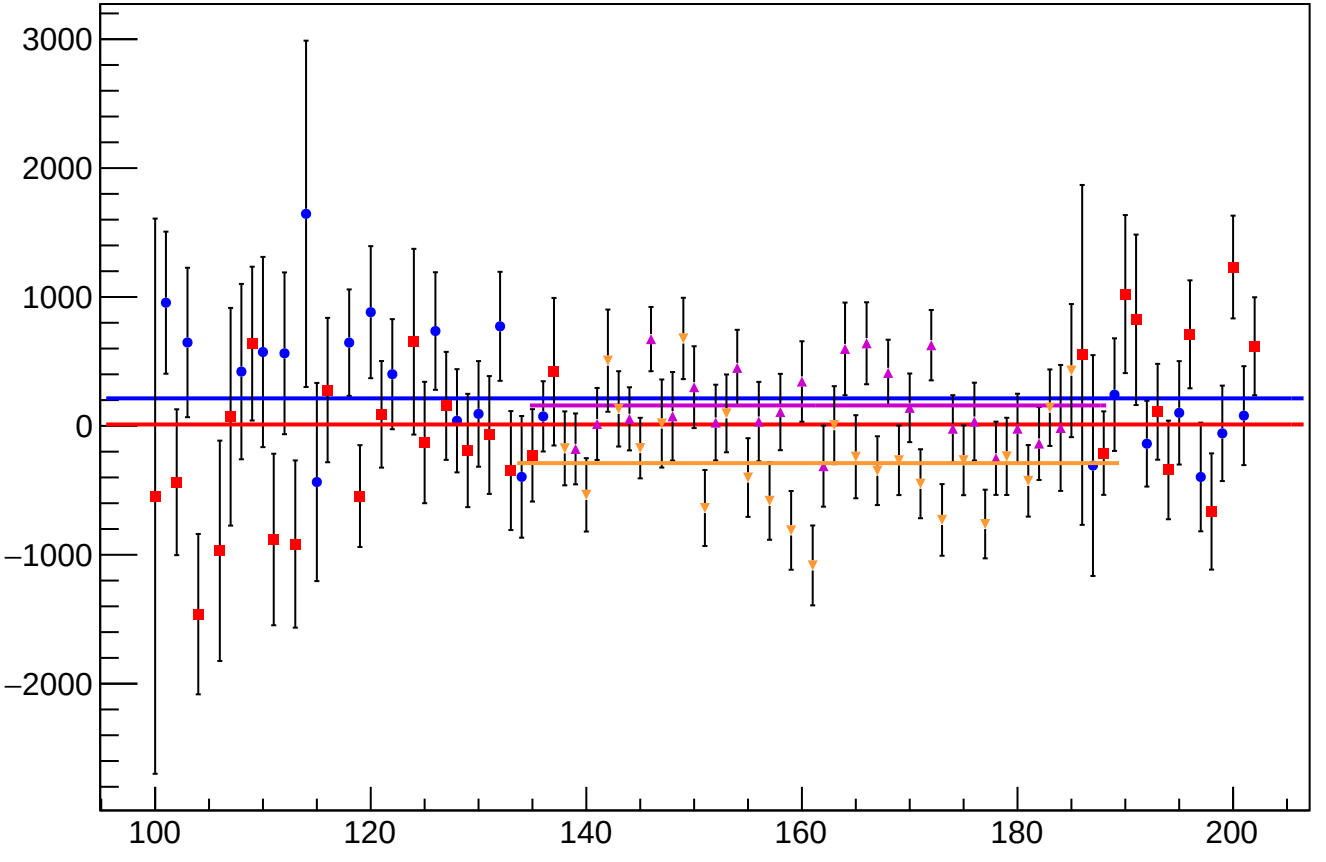
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2226.381+/-0.301 χ^2/NDF: 8202347.6/47

All: 2265.467+/-0.216 χ^2/NDF: 18505372.9/9

- sign 2307.215+/-0.311 χ^2/NDF: 10268048.7/51

eigen_cor_asym_sam2_mean vs Slug



Right In: 213.530+/-94.354 χ^2/NDF: 17.4/22

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 11.033+/-90.474 χ^2/NDF: 40.4/28

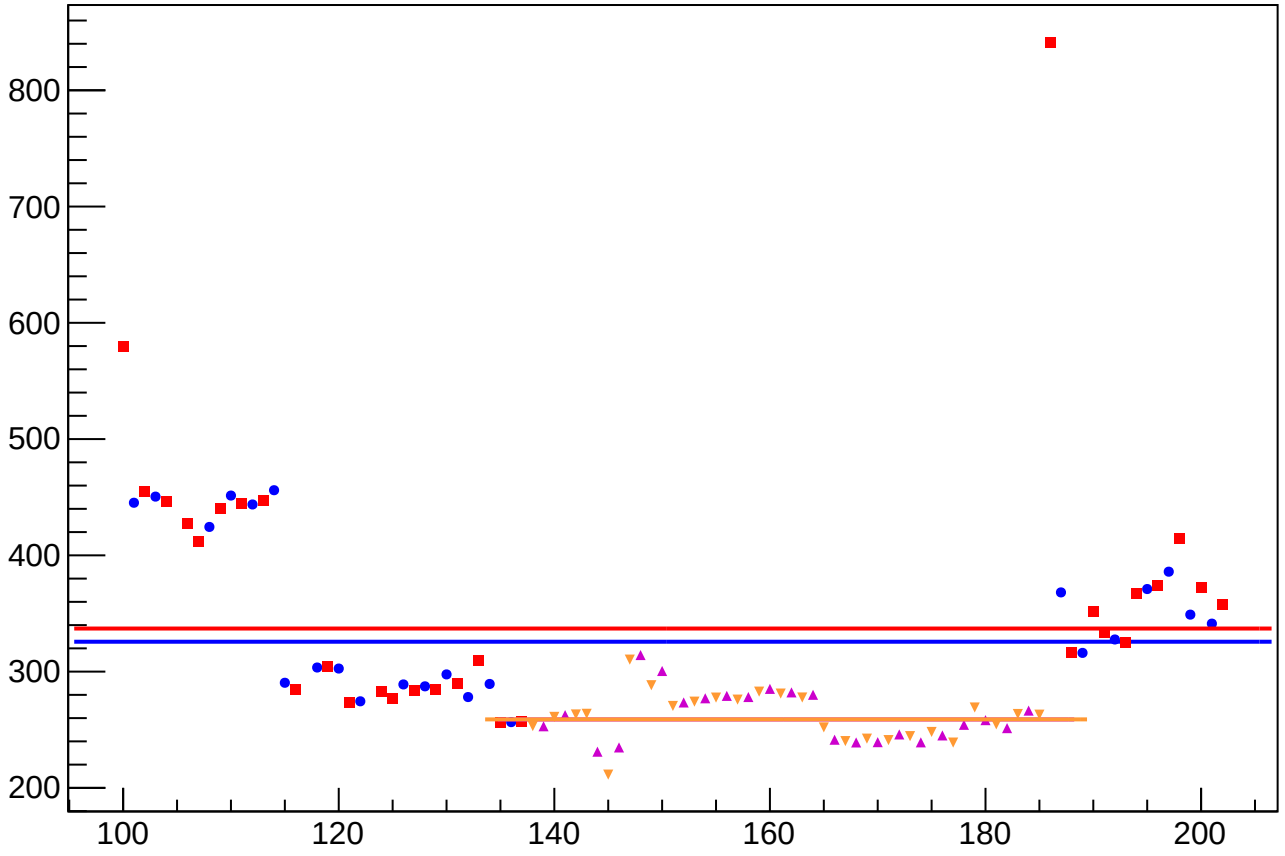
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -147.569+/-50.046 χ^2/NDF: 80.2/47

All: -18.332+/-35.516 χ^2/NDF: 158.4/99

- sign 112.795+/-50.411 χ^2/NDF: 64.7/51

eigen_cor_asym_sam2_rms vs Slug



Right In: 325.702+/-0.067 χ^2/NDF: 709727.7/22

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

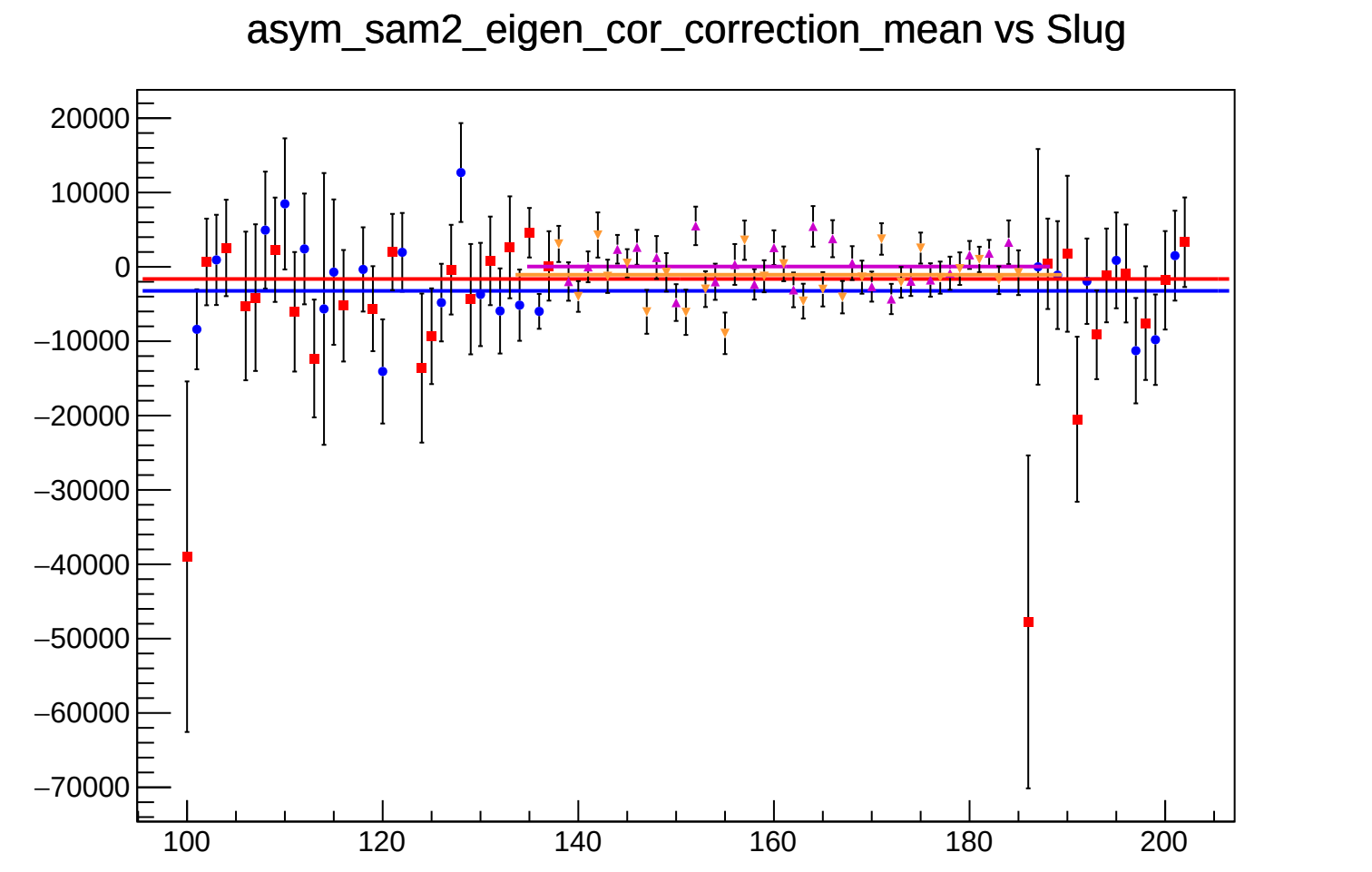
Right Out: 337.053+/-0.064 χ^2/NDF: 1147169.0/28

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.702+/-0.035 χ^2/NDF: 1678676.0/47

All: 280.393+/-0.025 χ^2/NDF: 4112994.4/99

- sign 283.124+/-0.036 χ^2/NDF: 2422668.4/51



Right In: -3229.274+/-1197.535 χ^2/NDF: 19.7/22

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1629.476+/-1222.826 χ^2/NDF: 24.4/28

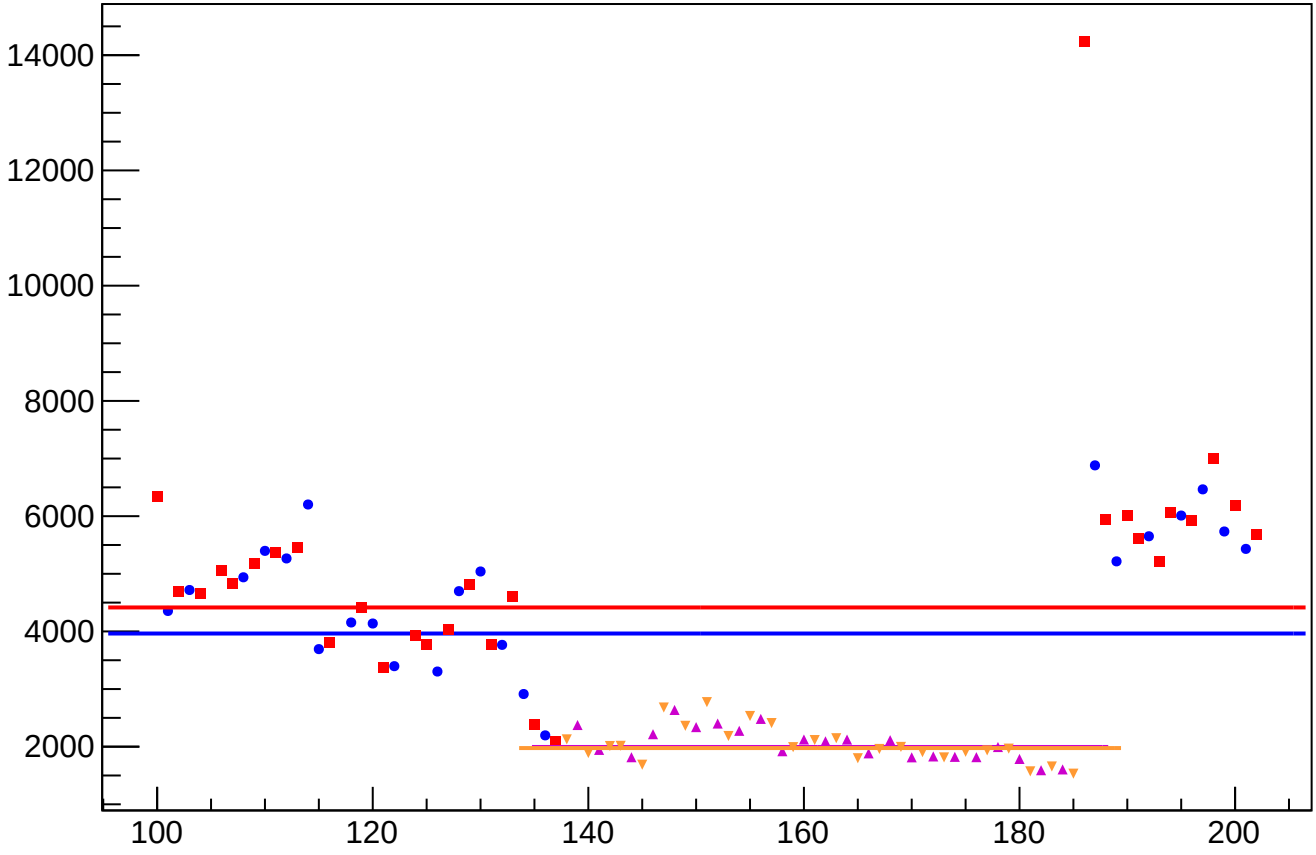
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1332.616+/-425.050 χ^2/NDF: 64.1/47

All: -771.245+/-305.463 χ^2/NDF: 127.9/99

- sign -171.657+/-439.280 χ^2/NDF: 60.2/51

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3963.678+/-0.847 χ^2/NDF: 2623080.4/22

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4415.977+/-0.865 χ^2/NDF: 2838977.6/28

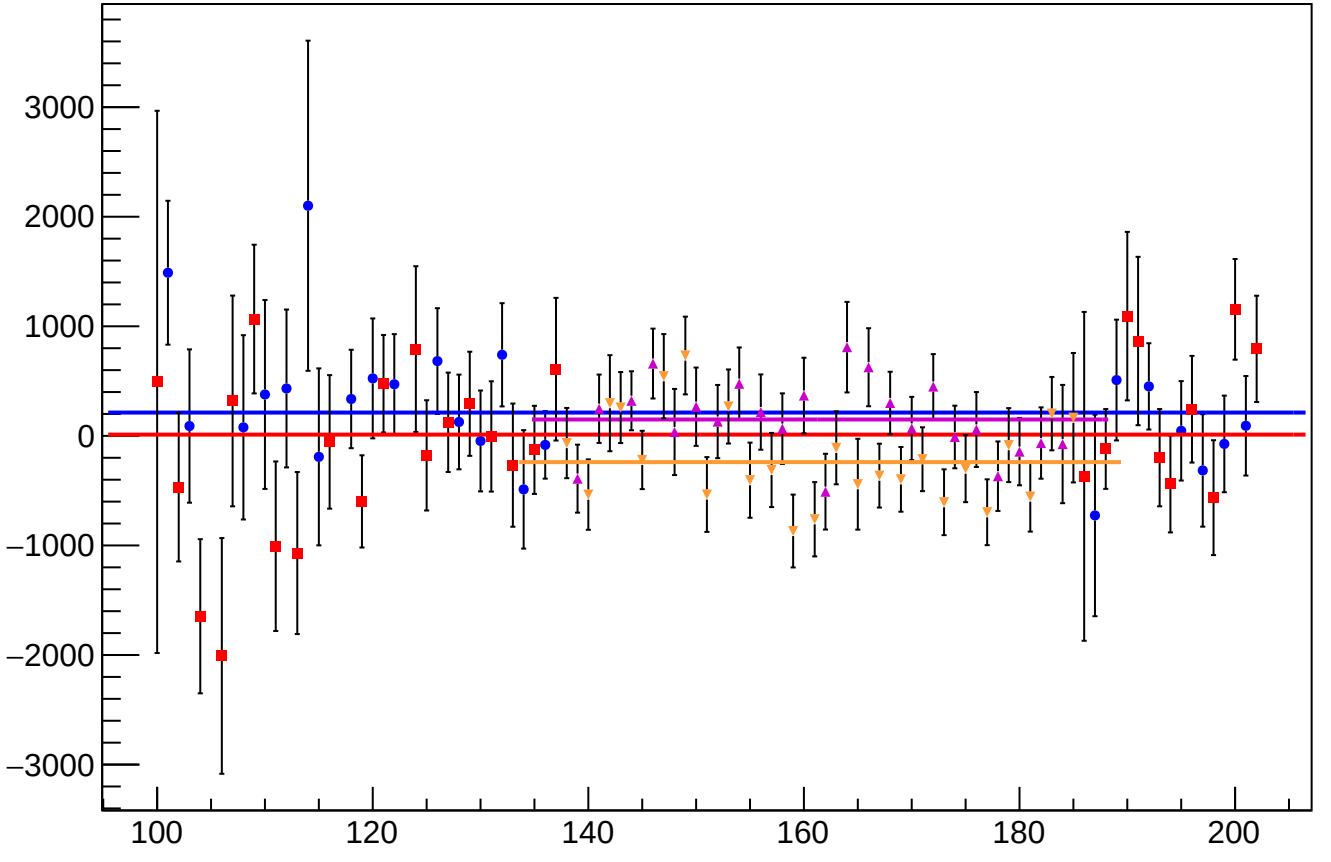
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2226.381+/-0.301 χ^2/NDF: 8202347.6/47

All: 2265.467+/-0.216 χ^2/NDF: 18505372.9/9

- sign 2307.215+/-0.311 χ^2/NDF: 10268048.7/51

dit_asym_sam2_mean vs Slug



Right In: 212.719+/-107.525 χ^2/NDF: 15.0/22

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 11.476+/-102.907 χ^2/NDF: 36.9/28

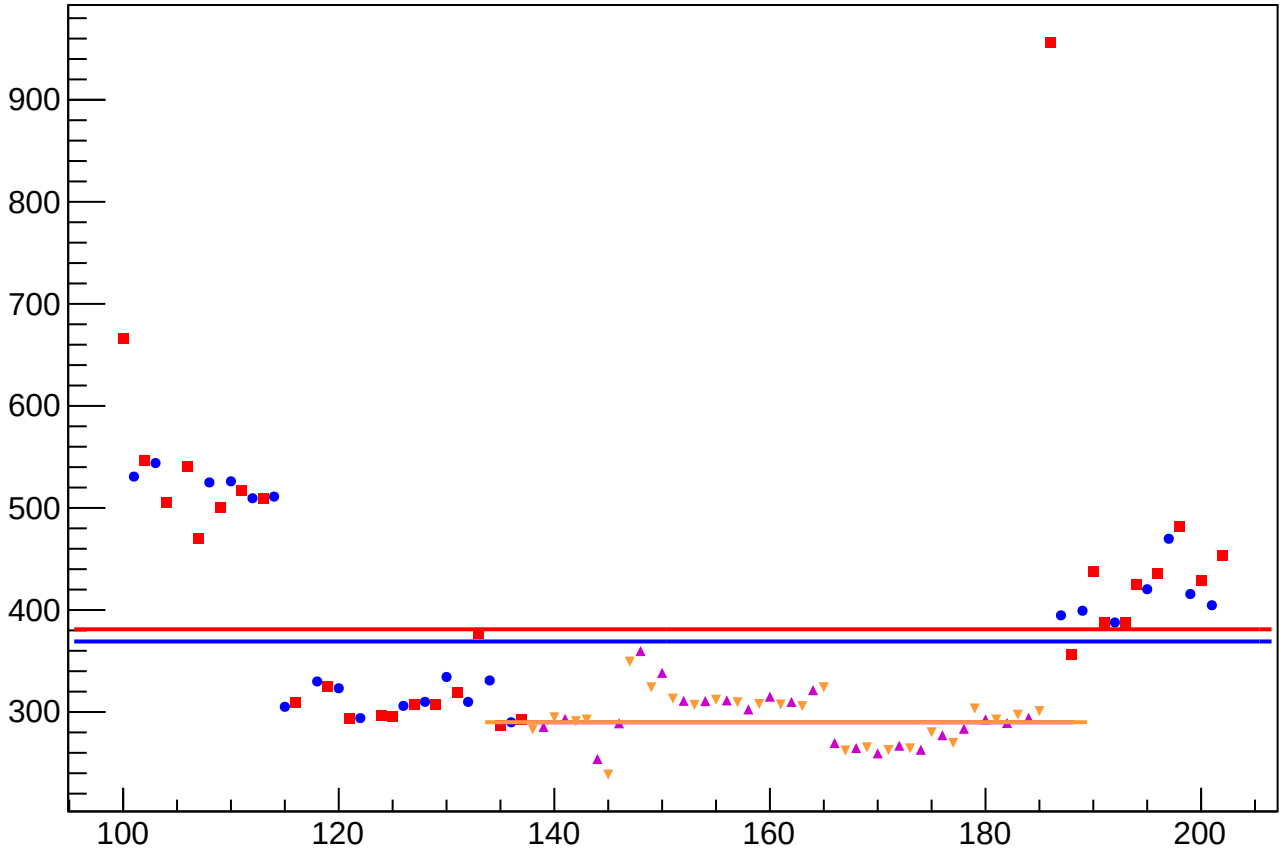
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -115.326+/-56.352 χ^2/NDF: 61.9/47

All: -4.882+/-40.013 χ^2/NDF: 129.5/99

- sign 107.424+/-56.825 χ^2/NDF: 59.9/51

dit_asym_sam2_rms vs Slug



Right In: 369.141+/-0.076 χ^2/NDF: 976208.2/22

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 381.072+/-0.073 χ^2/NDF: 1452947.5/28

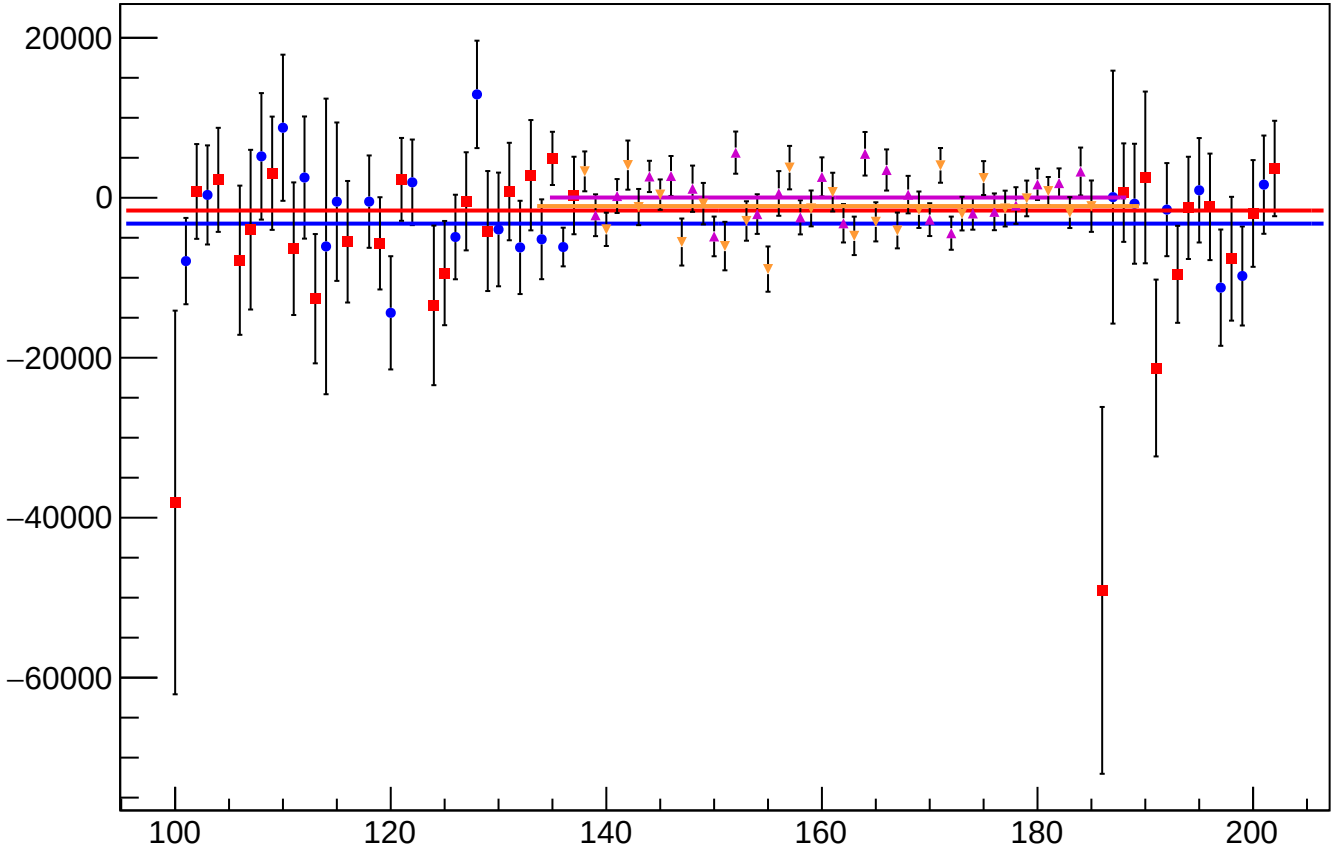
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 311.754+/-0.040 χ^2/NDF: 2042271.1/47

All: 314.717+/-0.028 χ^2/NDF: 4866242.9/99

- sign 317.730+/-0.040 χ^2/NDF: 2812820.8/51

asym_sam2_dit_correction_mean vs Slug



Right In: -3232.548+/-1223.316 χ^2/NDF: 19.6/22

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1595.721+/-1235.321 χ^2/NDF: 25.7/28

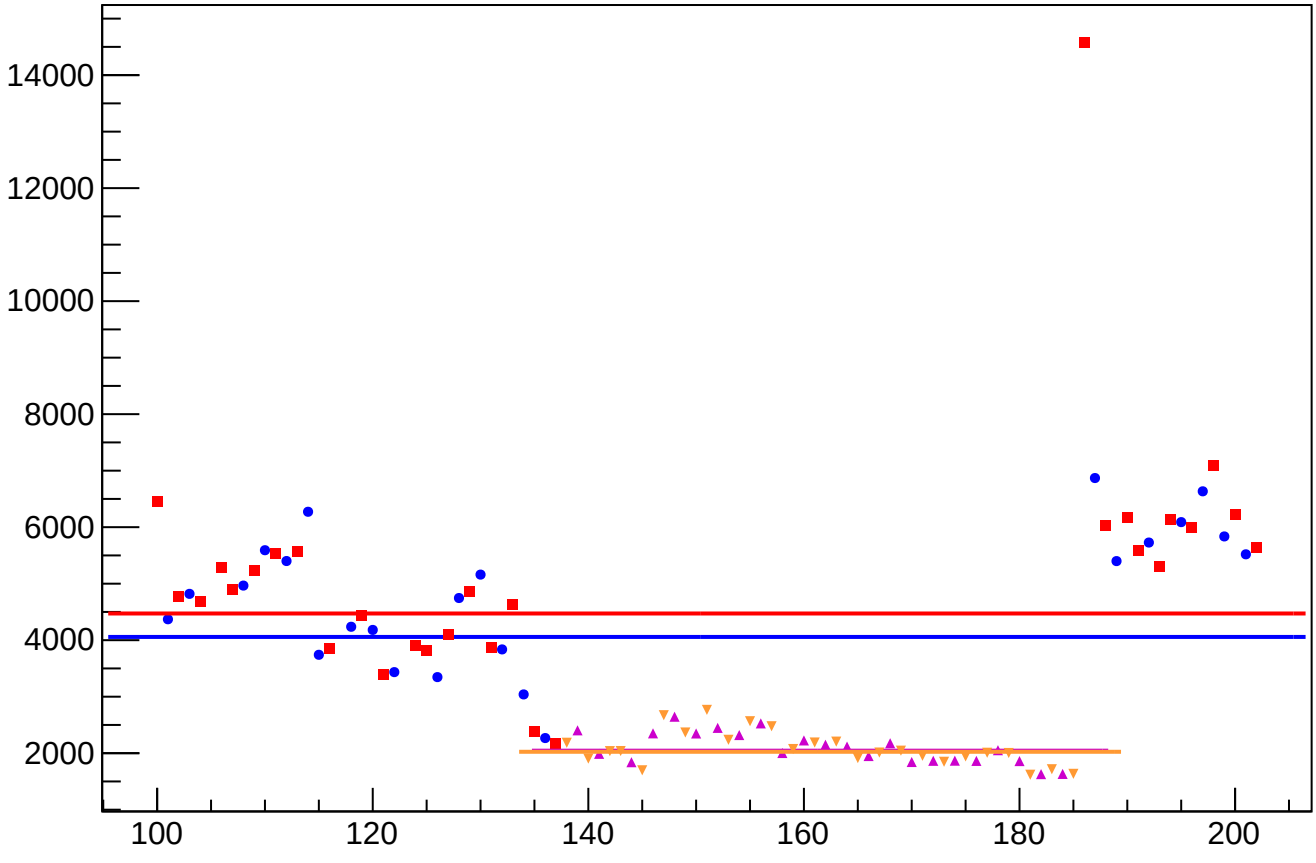
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1314.160+/-434.922 χ^2/NDF: 62.8/47

All: -767.725+/-312.481 χ^2/NDF: 127.4/99

- sign -184.677+/-449.256 χ^2/NDF: 61.3/51

asym_sam2_dit_correction_rms vs Slug



Right In: 4057.553+/-0.865 χ^2/NDF: 2544968.2/22

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

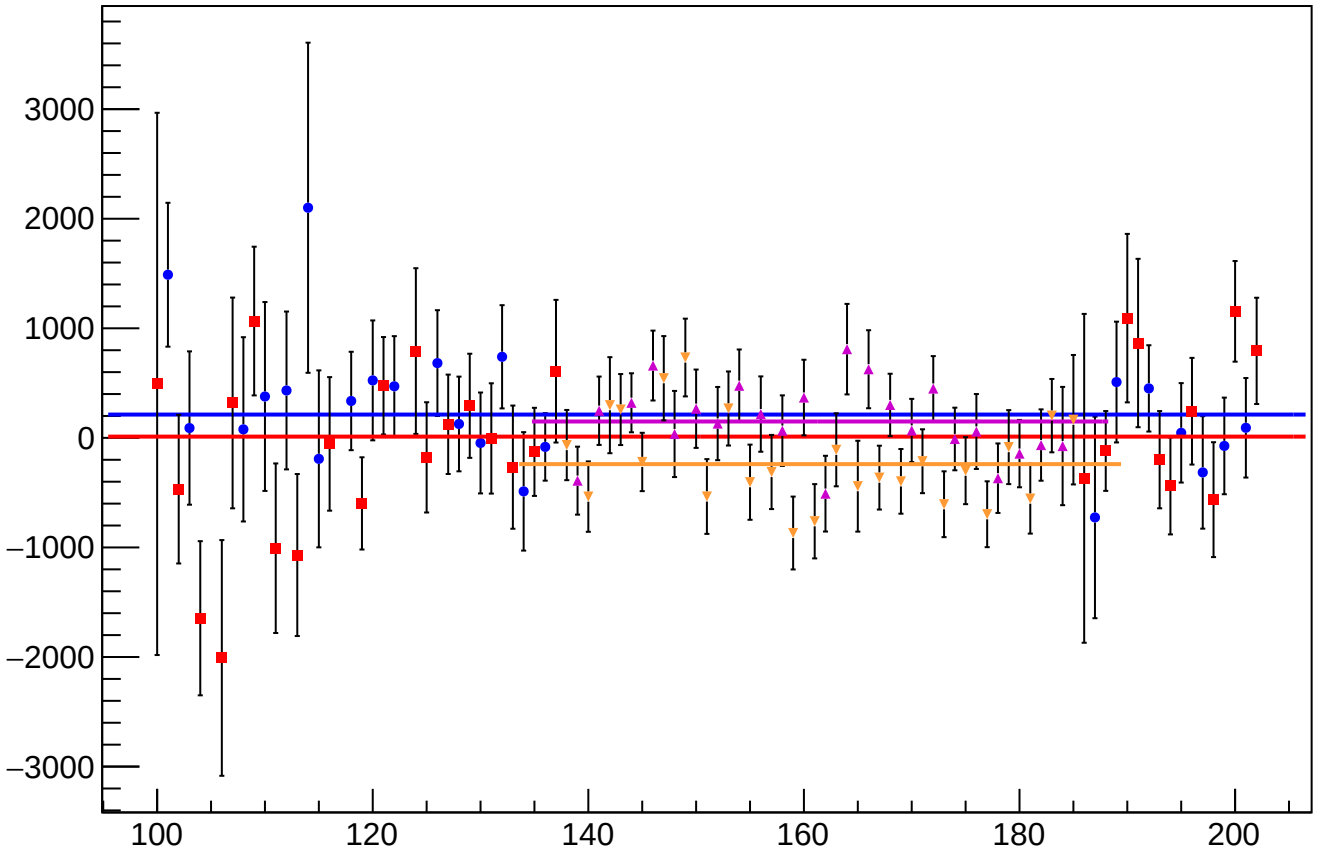
Right Out: 4472.426+/-0.874 χ^2/NDF: 2838477.9/28

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2281.988+/-0.308 χ^2/NDF: 8068744.1/47

All: 2322.457+/-0.221 χ^2/NDF: 18231757.5/9

- sign 2365.637+/-0.318 χ^2/NDF: 10127221.2/51



Right In: 212.722+/-107.524 χ^2/NDF: 15.0/22

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 11.474+/-102.907 χ^2/NDF: 36.9/28

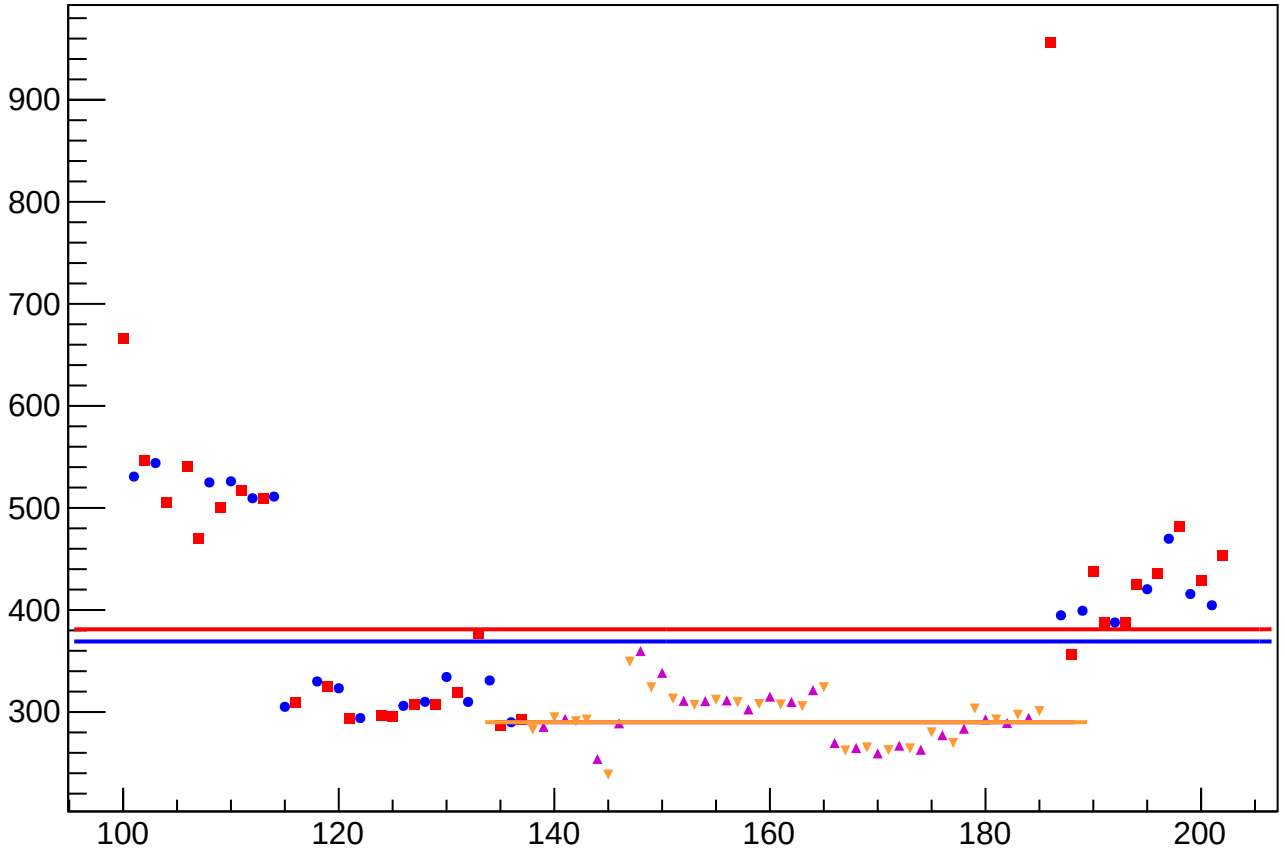
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -115.327+/-56.352 χ^2/NDF: 61.9/47

All: -4.883+/-40.013 χ^2/NDF: 129.5/99

- sign 107.424+/-56.825 χ^2/NDF: 59.9/51

eigen_dit_asym_sam2_rms vs Slug



Right In: 369.139+/-0.076 χ^2/NDF: 976210.5/22

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 381.072+/-0.073 χ^2/NDF: 1452944.5/28

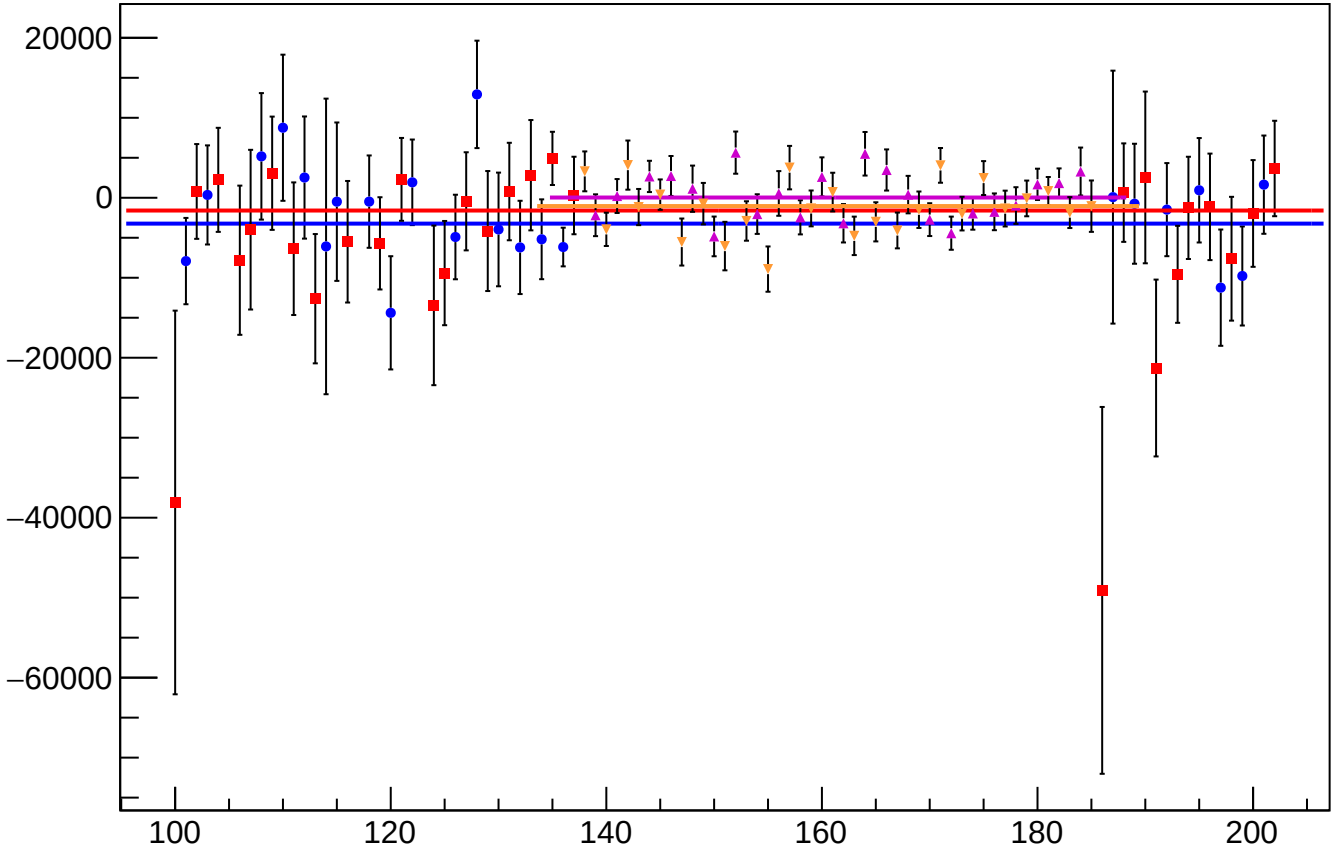
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 311.754+/-0.040 χ^2/NDF: 2042252.2/47

All: 314.717+/-0.028 χ^2/NDF: 4866208.9/99

- sign 317.729+/-0.040 χ^2/NDF: 2812805.5/51

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3232.542+/-1223.314 χ^2/NDF: 19.6/22

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1595.724+/-1235.320 χ^2/NDF: 25.7/28

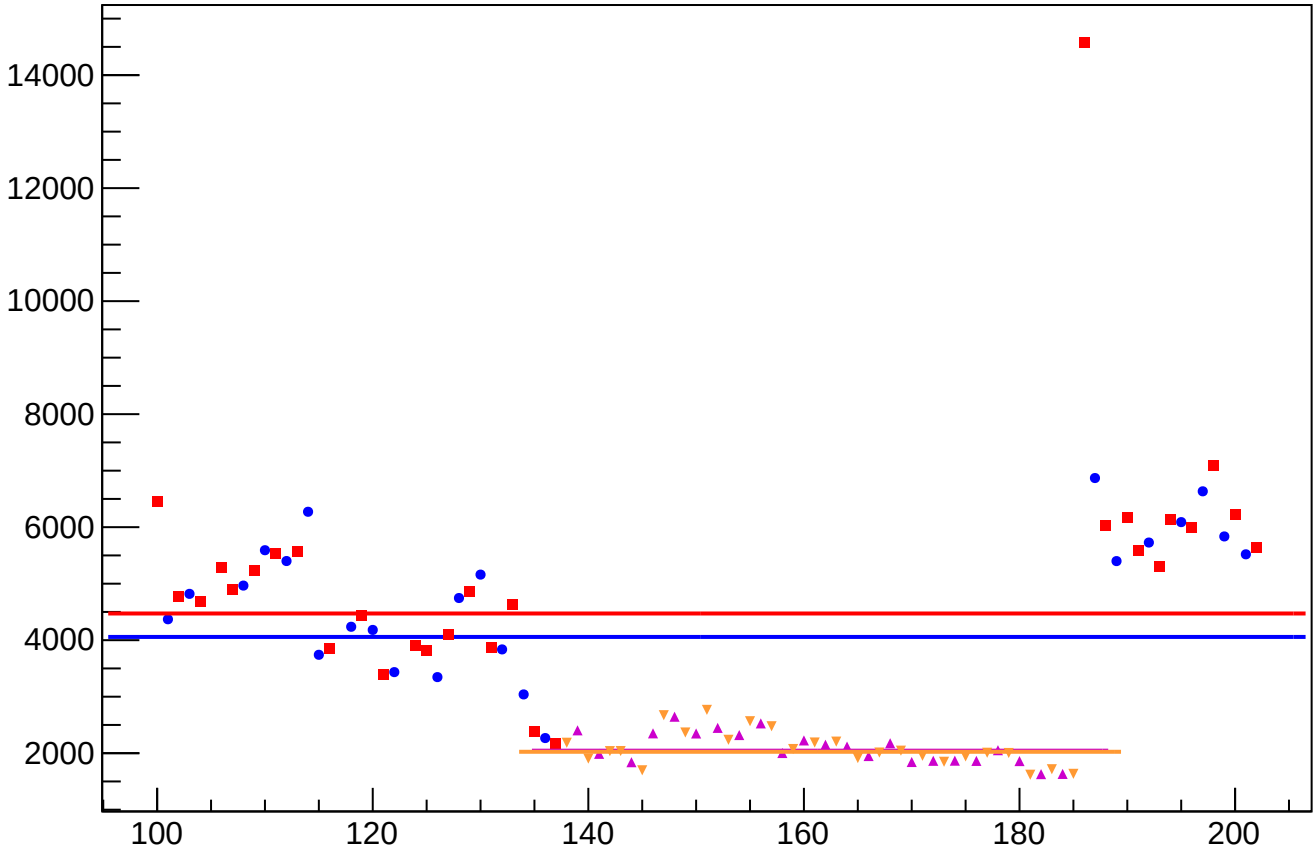
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1314.159+/-434.922 χ^2/NDF: 62.8/47

All: -767.725+/-312.481 χ^2/NDF: 127.4/99

- sign -184.679+/-449.256 χ^2/NDF: 61.3/51

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4057.549+/-0.865 χ^2/NDF: 2544958.4/22

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4472.421+/-0.874 χ^2/NDF: 2838475.1/28

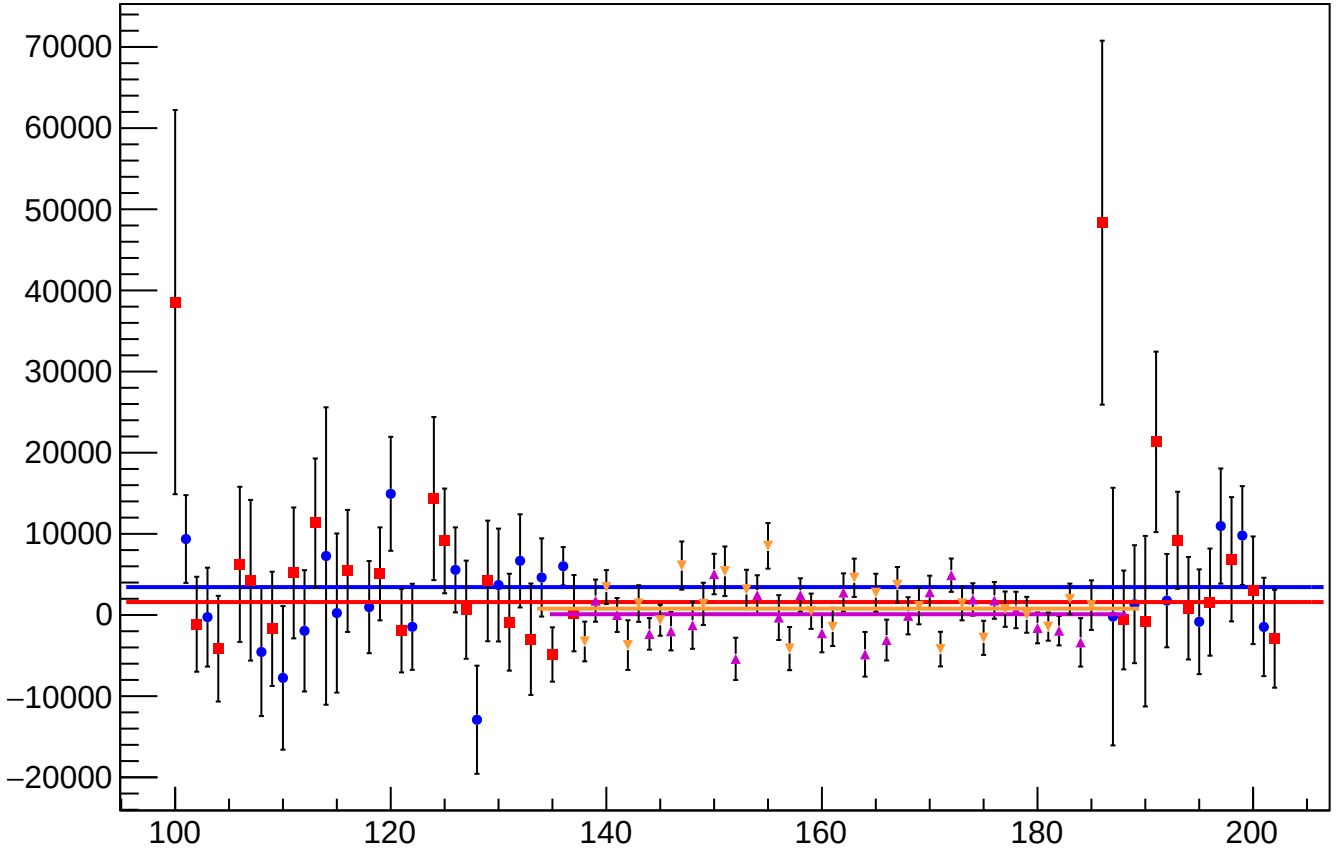
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2281.989+/-0.308 χ^2/NDF: 8068728.0/47

All: 2322.457+/-0.221 χ^2/NDF: 18231730.6/9

- sign 2365.637+/-0.318 χ^2/NDF: 10127210.9/51

asym_sam2_mean vs Slug



Right In: 3440.119+/-1202.570 χ^2/NDF: 19.8/22

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

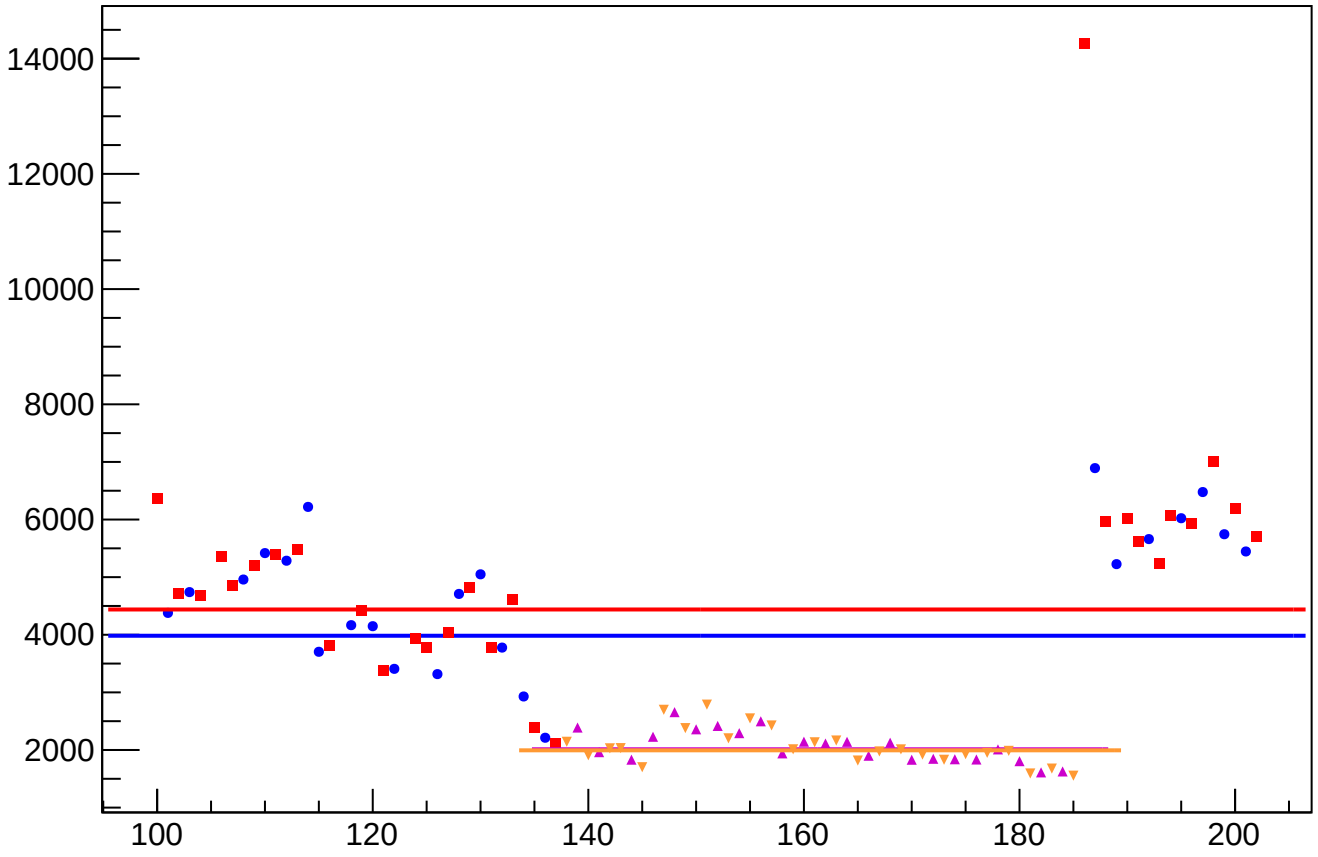
Right Out: 1597.883+/-1226.133 χ^2/NDF: 24.7/28

Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1125.164+/-428.602 χ^2/NDF: 65.4/47

All: 722.377+/-307.959 χ^2/NDF: 126.1/99

- sign 292.494+/-442.783 χ^2/NDF: 58.8/51



Right In: 3982.973+/-0.850 χ^2/NDF: 2595604.2/22

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

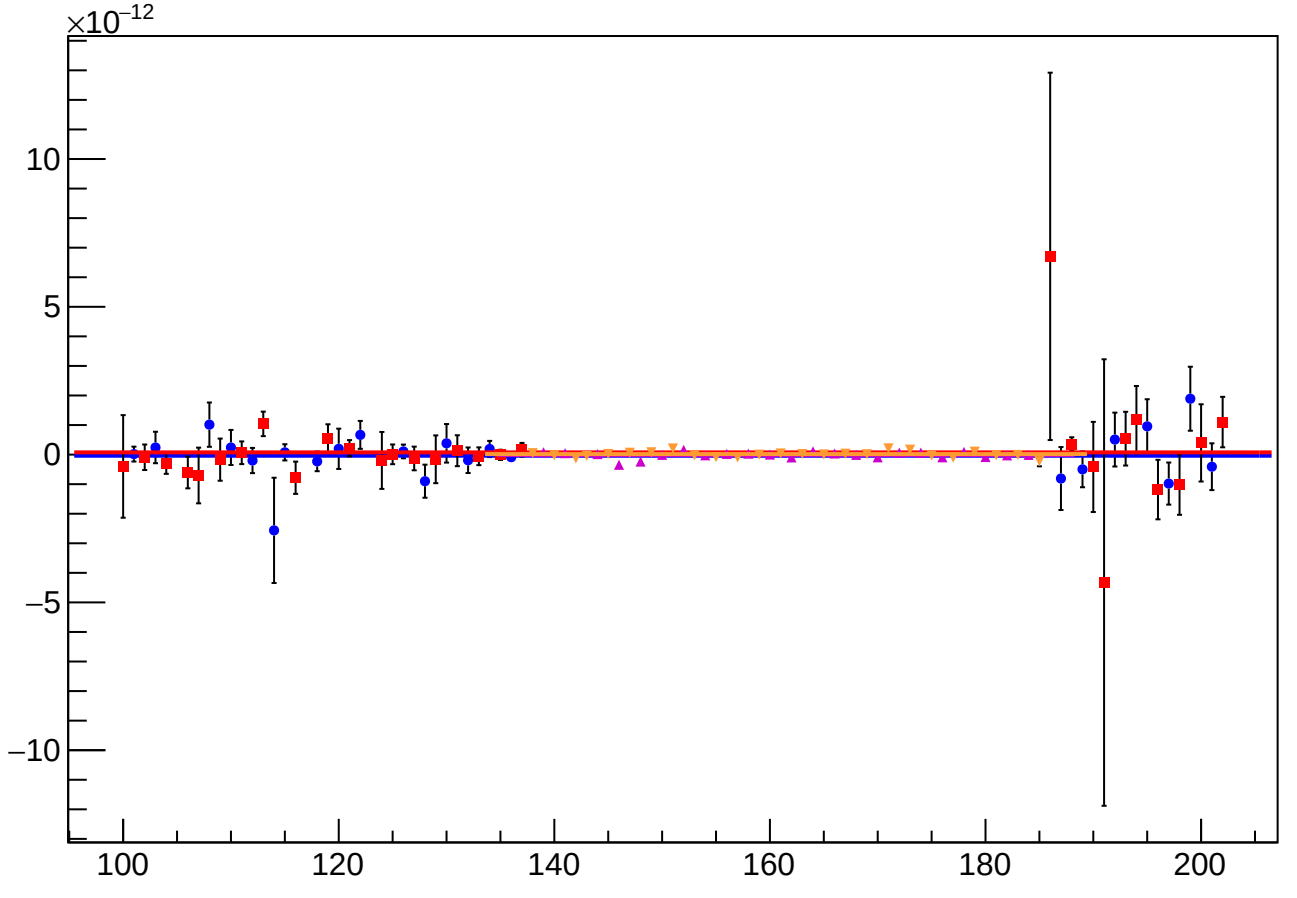
Right Out: 4438.838+/-0.867 χ^2/NDF: 2826485.7/28

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2246.863+/-0.303 χ^2/NDF: 8116975.6/47

All: 2286.635+/-0.218 χ^2/NDF: 18375646.1/9

- sign 2329.083+/-0.313 χ^2/NDF: 10223068.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/28

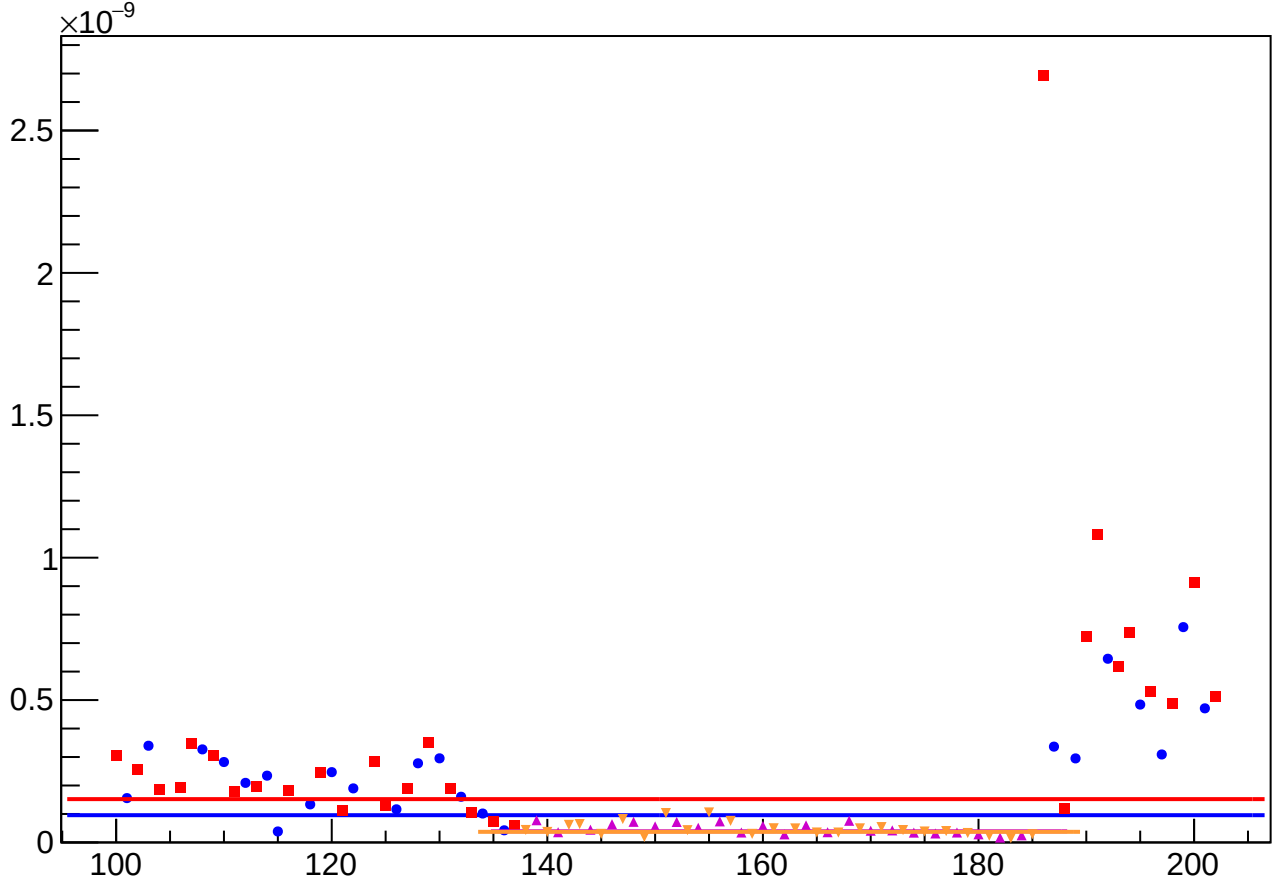
Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.8/47

All: 0.000+/-0.000 χ^2/NDF: 97.2/99

- sign -0.000+/-0.000 χ^2/NDF: 54.1/51

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5568857.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

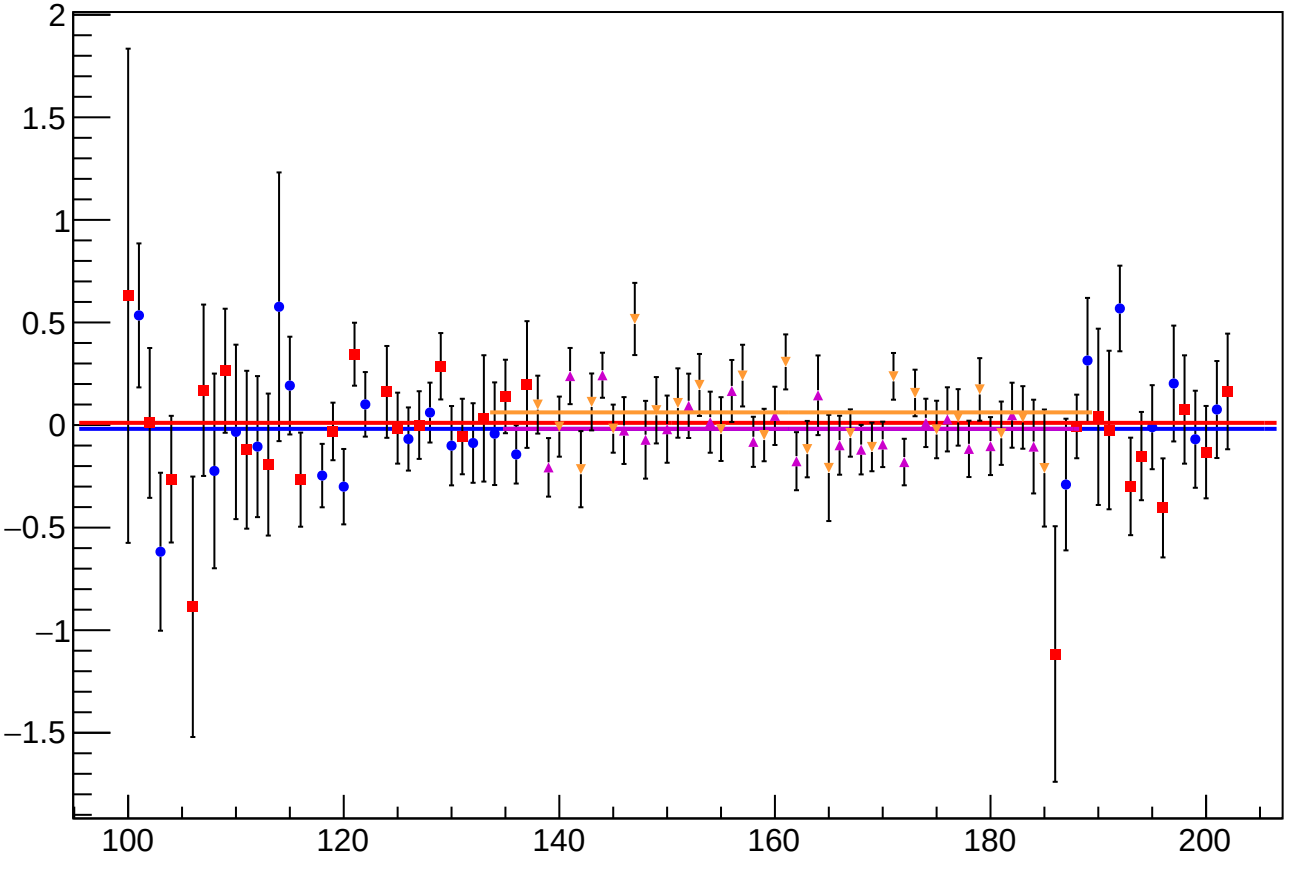
Right Out: 0.000+/-0.000 χ^2/NDF: 4749827.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9704052.3/47

All: 0.000+/-0.000 χ^2/NDF: 20418614.5/99

- sign 0.000+/-0.000 χ^2/NDF: 10677804.5/51



Right In: -0.019+/-0.045 χ^2/NDF: 24.0/22

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.011+/-0.043 χ^2/NDF: 24.3/28

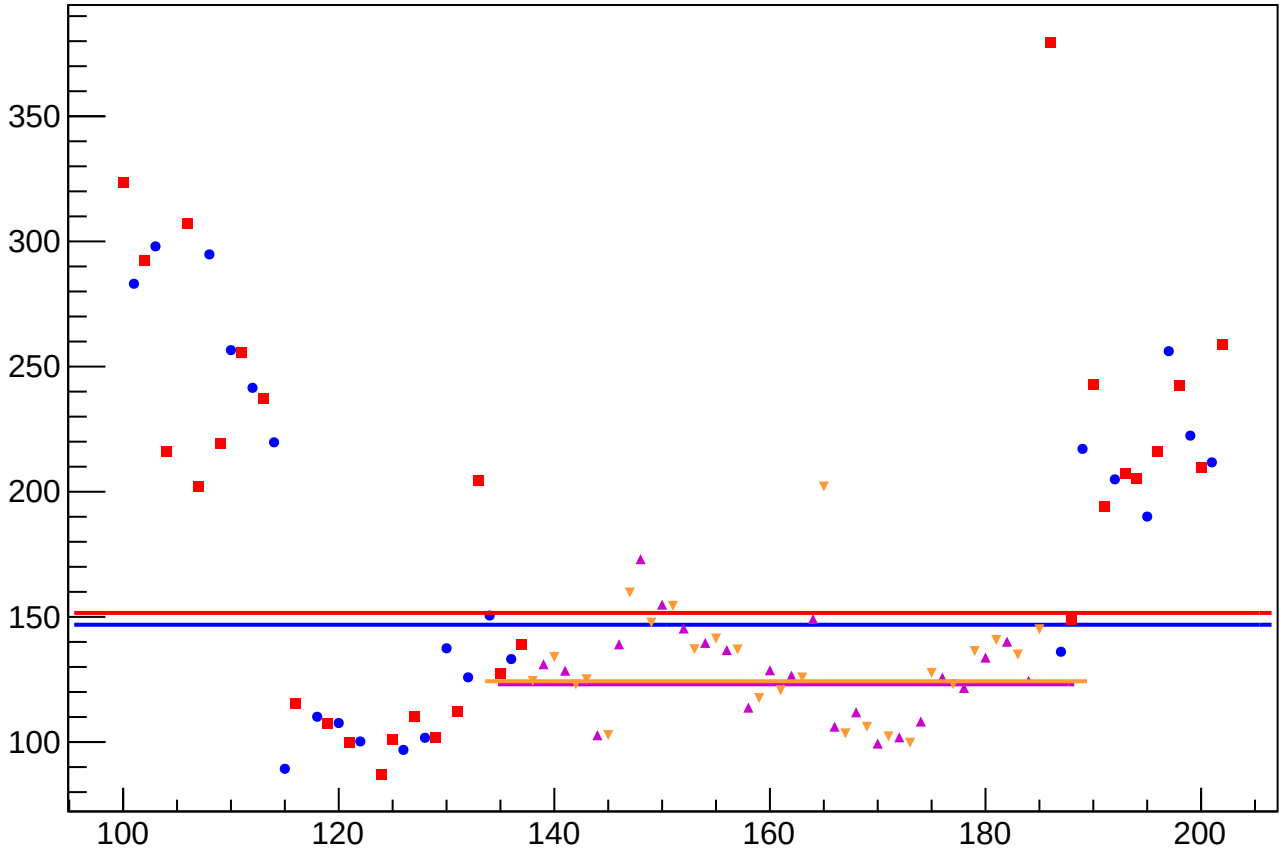
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.7/47

All: 0.015+/-0.017 χ^2/NDF: 100.6/99

- sign -0.009+/-0.024 χ^2/NDF: 45.0/51

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 146.862+/-0.032 χ^2/NDF: 3066609.7/22

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

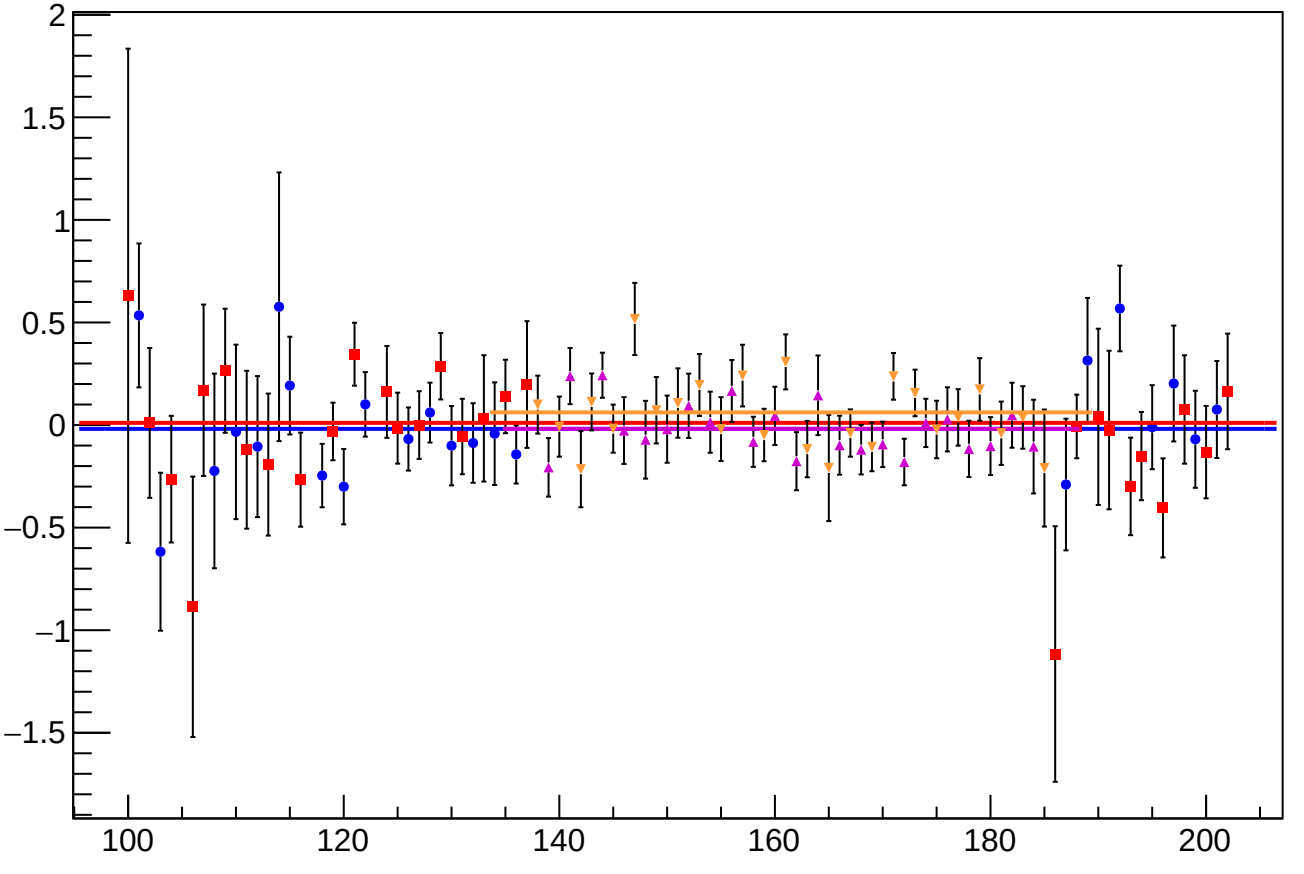
Right Out: 151.587+/-0.031 χ^2/NDF: 3679151.6/28

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 130.763+/-0.017 χ^2/NDF: 4262710.4/47

All: 131.405+/-0.012 χ^2/NDF: 9259539.4/99

- sign 132.049+/-0.017 χ^2/NDF: 4994015.8/51



Right In: -0.019+/-0.045 χ^2/NDF: 24.0/22

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.011+/-0.043 χ^2/NDF: 24.3/28

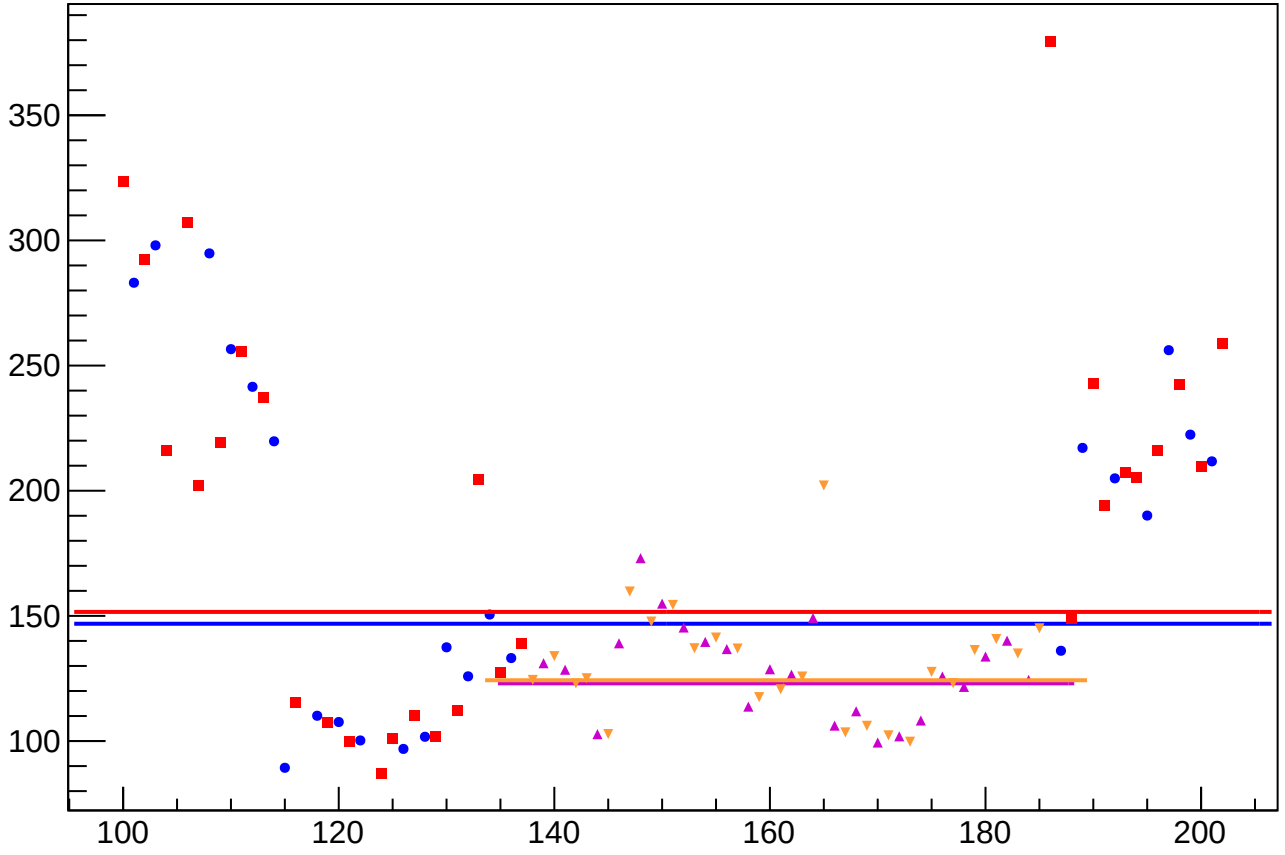
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.7/47

All: 0.015+/-0.017 χ^2/NDF: 100.6/99

- sign -0.009+/-0.024 χ^2/NDF: 45.0/51

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.862+/-0.032 χ^2/NDF: 3066609.7/22

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.587+/-0.031 χ^2/NDF: 3679151.6/28

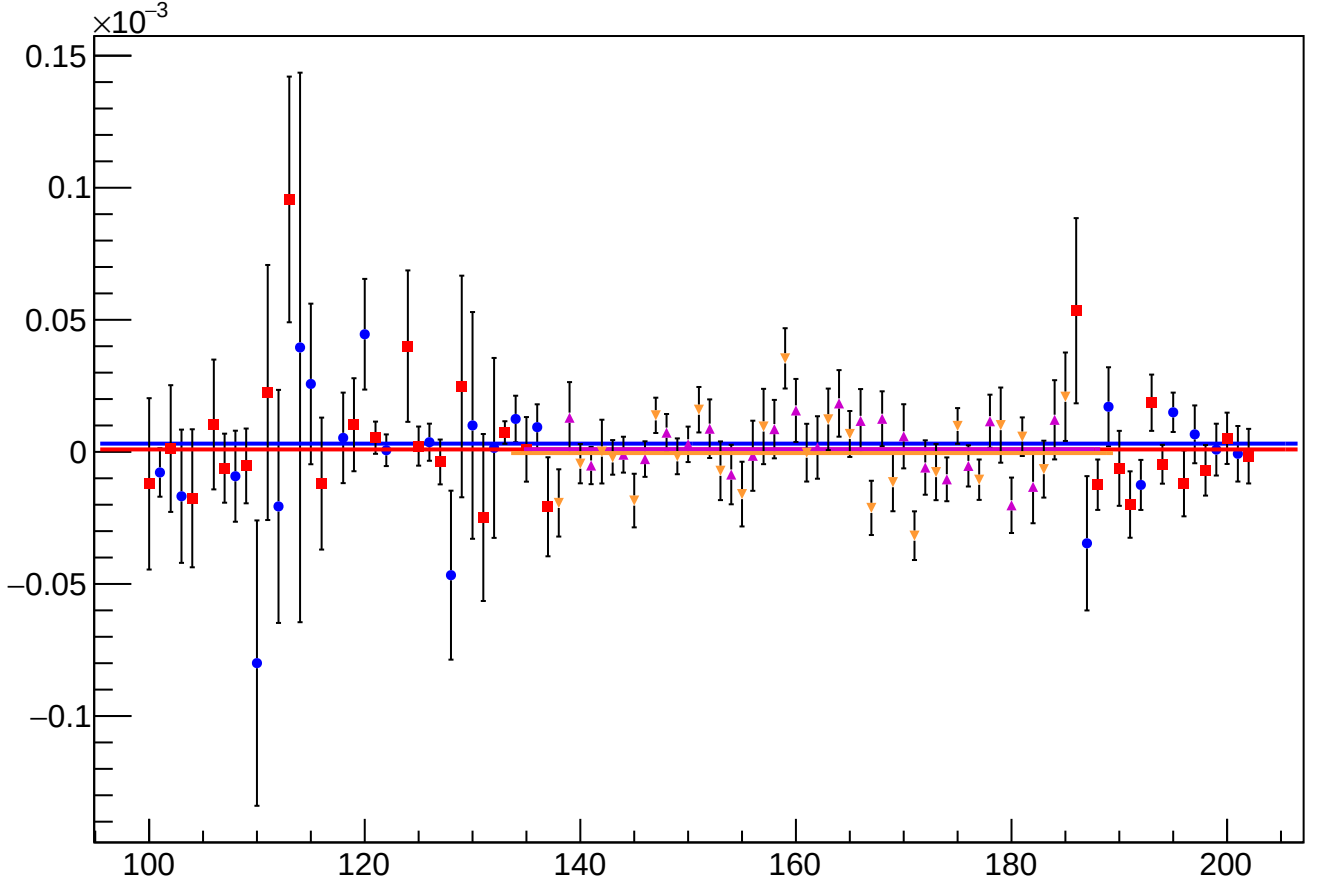
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 130.763+/-0.017 χ^2/NDF: 4262710.4/47

All: 131.405+/-0.012 χ^2/NDF: 9259539.4/99

- sign 132.049+/-0.017 χ^2/NDF: 4994015.8/51

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/28

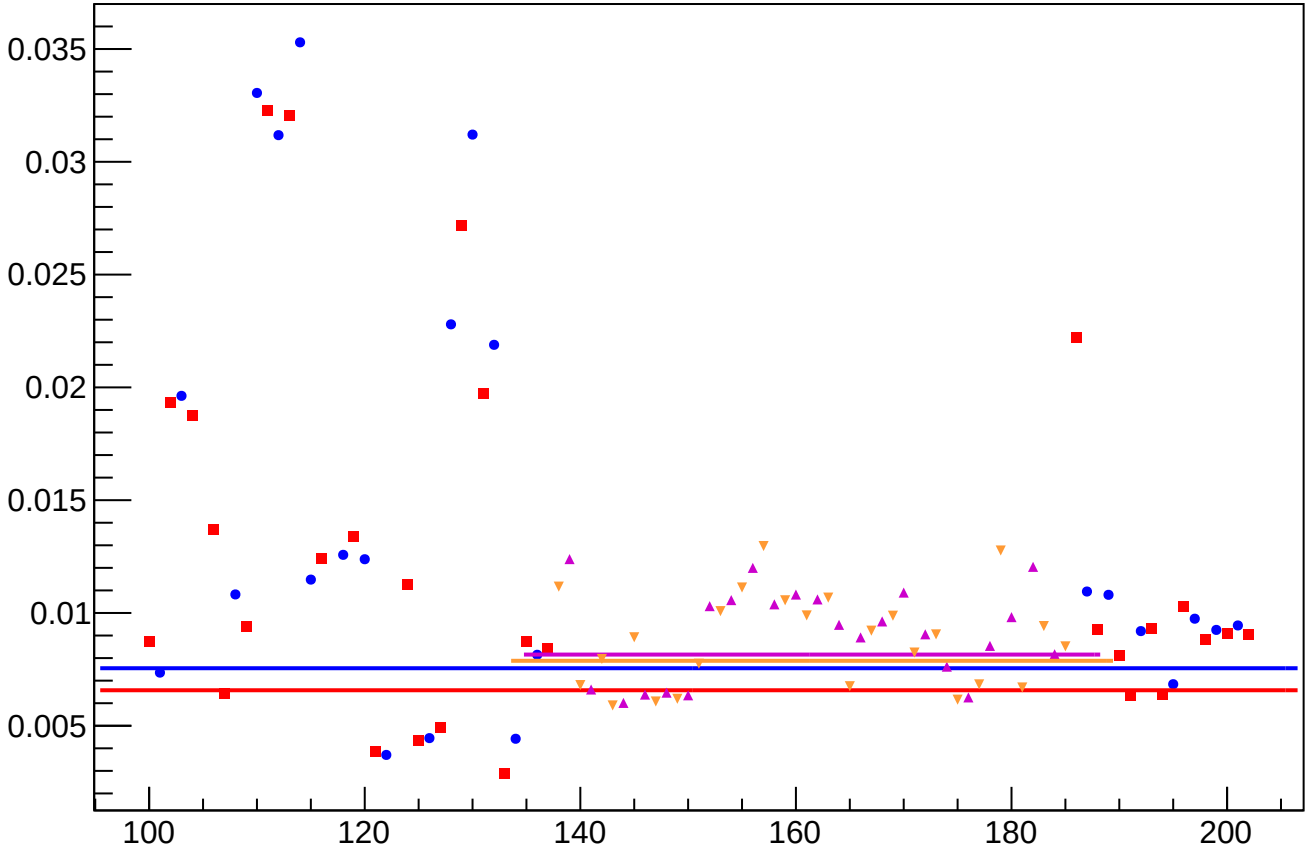
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.5/47

All: 0.000+/-0.000 χ^2/NDF: 122.5/99

- sign 0.000+/-0.000 χ^2/NDF: 46.0/51

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 5308476.3/22

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

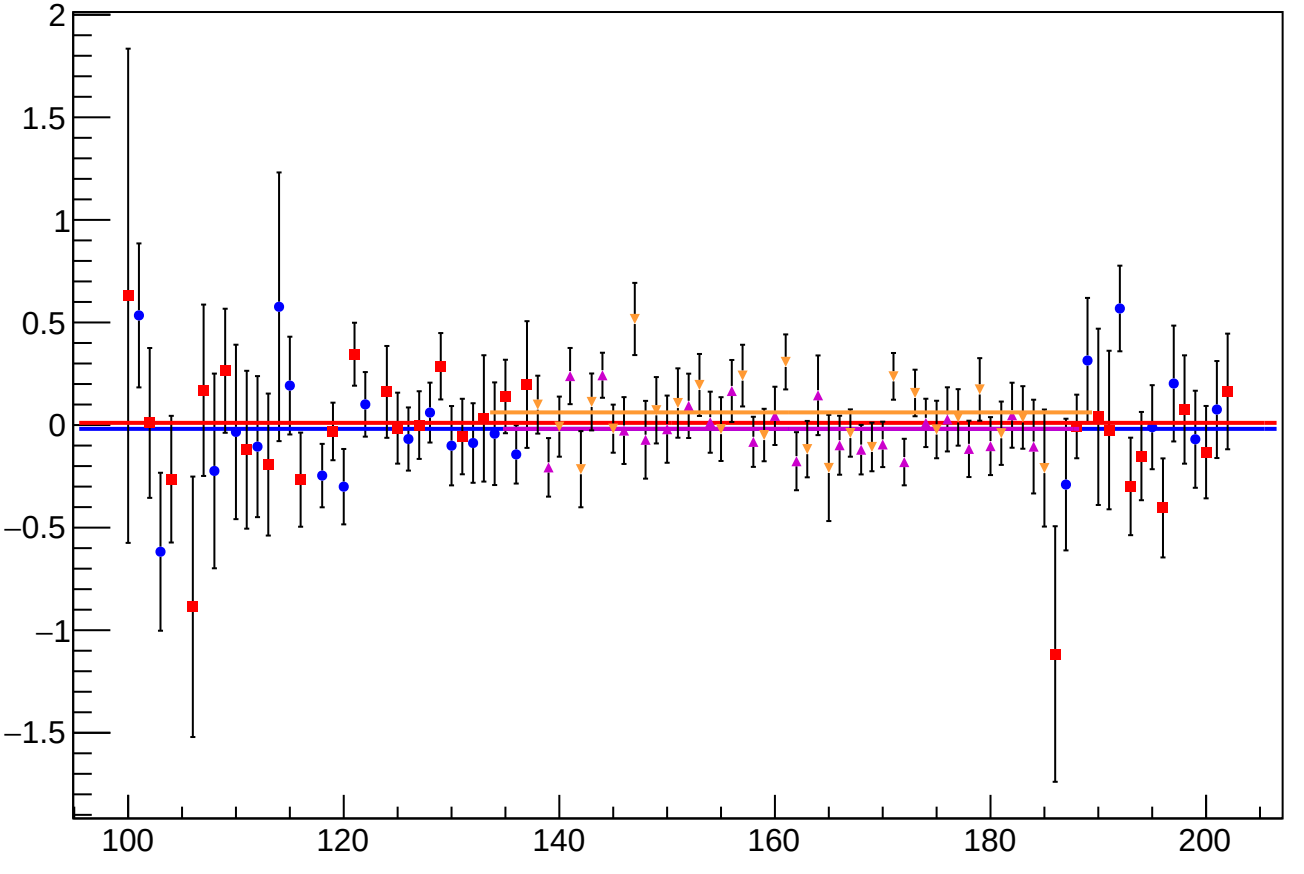
Right Out: 0.007+/-0.000 χ^2/NDF: 7206198.7/28

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7407877.6/47

All: 0.008+/-0.000 χ^2/NDF: 17308070.4/99

- sign 0.007+/-0.000 χ^2/NDF: 9836360.2/51



Right In: -0.019+/-0.045 χ^2/NDF: 24.0/22

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.011+/-0.043 χ^2/NDF: 24.3/28

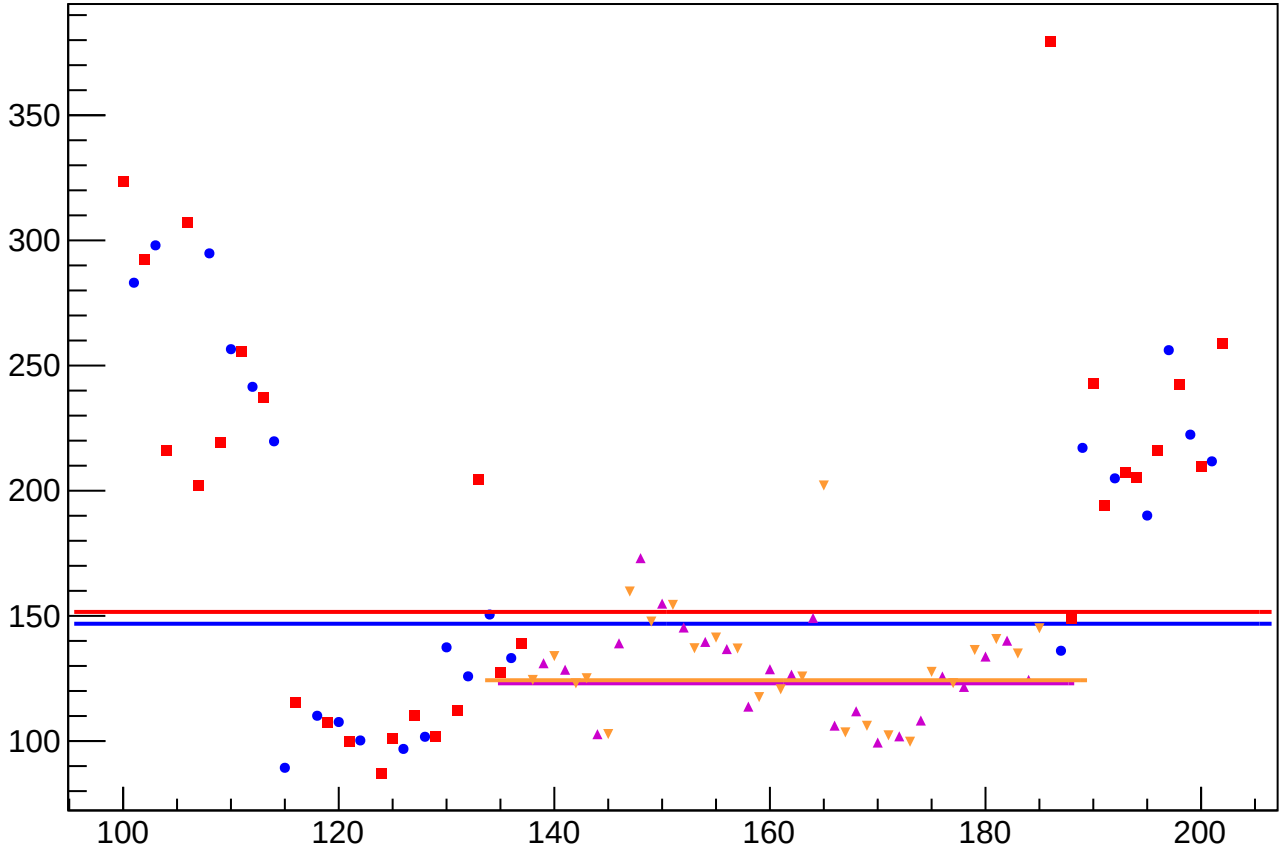
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.7/47

All: 0.015+/-0.017 χ^2/NDF: 100.6/99

- sign -0.009+/-0.024 χ^2/NDF: 45.0/51

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.859+/-0.032 χ^2/NDF: 3066652.4/22

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

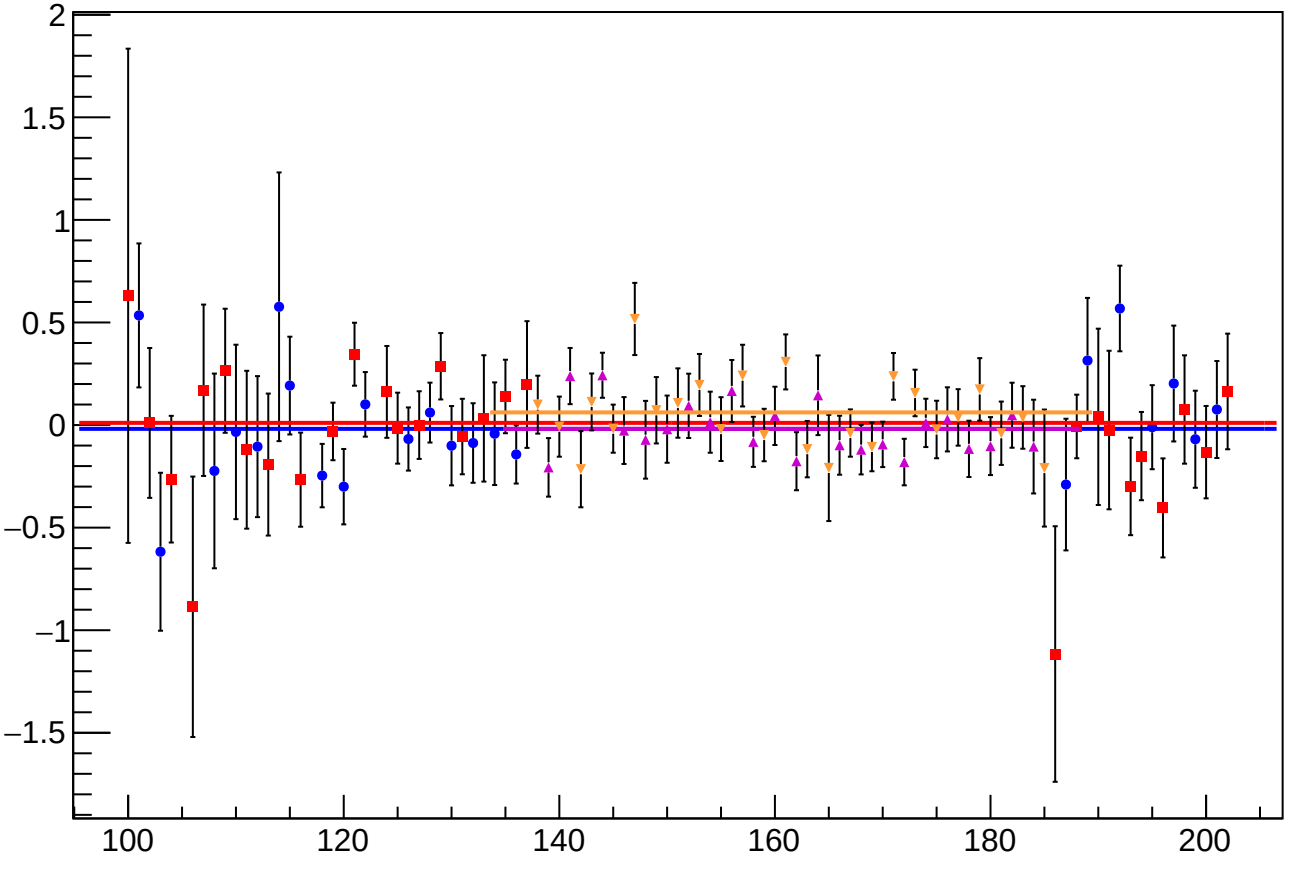
Right Out: 151.585+/-0.031 χ^2/NDF: 3679268.2/28

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 130.763+/-0.017 χ^2/NDF: 4262726.7/47

All: 131.404+/-0.012 χ^2/NDF: 9259601.5/99

- sign 132.049+/-0.017 χ^2/NDF: 4994062.0/51



Right In: -0.019+/-0.045 χ^2/NDF: 24.0/22

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

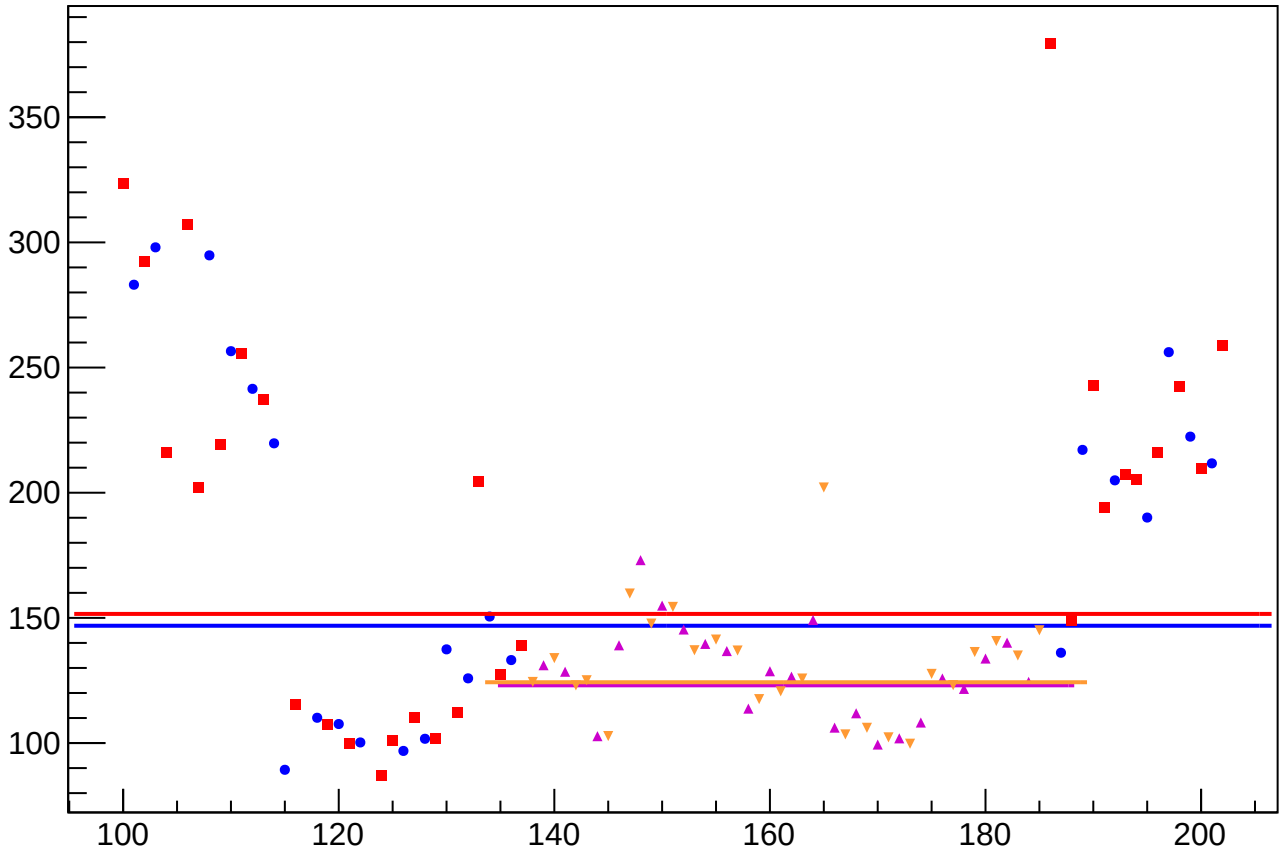
Right Out: 0.011+/-0.043 χ^2/NDF: 24.3/28

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.7/47

All: 0.015+/-0.017 χ^2/NDF: 100.6/99

- sign -0.009+/-0.024 χ^2/NDF: 45.0/51



Right In: 146.859+/-0.032 χ^2/NDF: 3066652.4/22

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.585+/-0.031 χ^2/NDF: 3679268.2/28

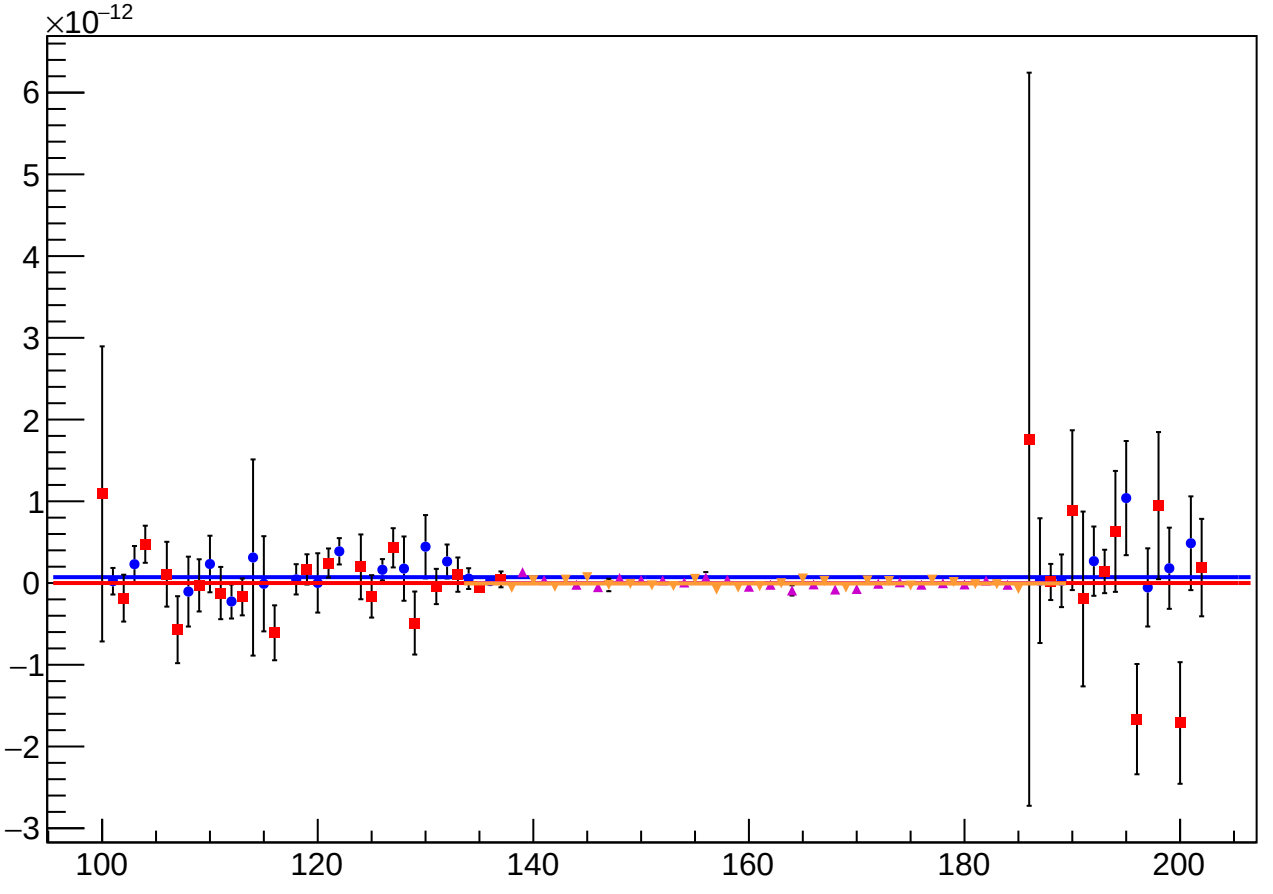
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 130.763+/-0.017 χ^2/NDF: 4262726.7/47

All: 131.404+/-0.012 χ^2/NDF: 9259601.5/99

- sign 132.049+/-0.017 χ^2/NDF: 4994062.0/51

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/28

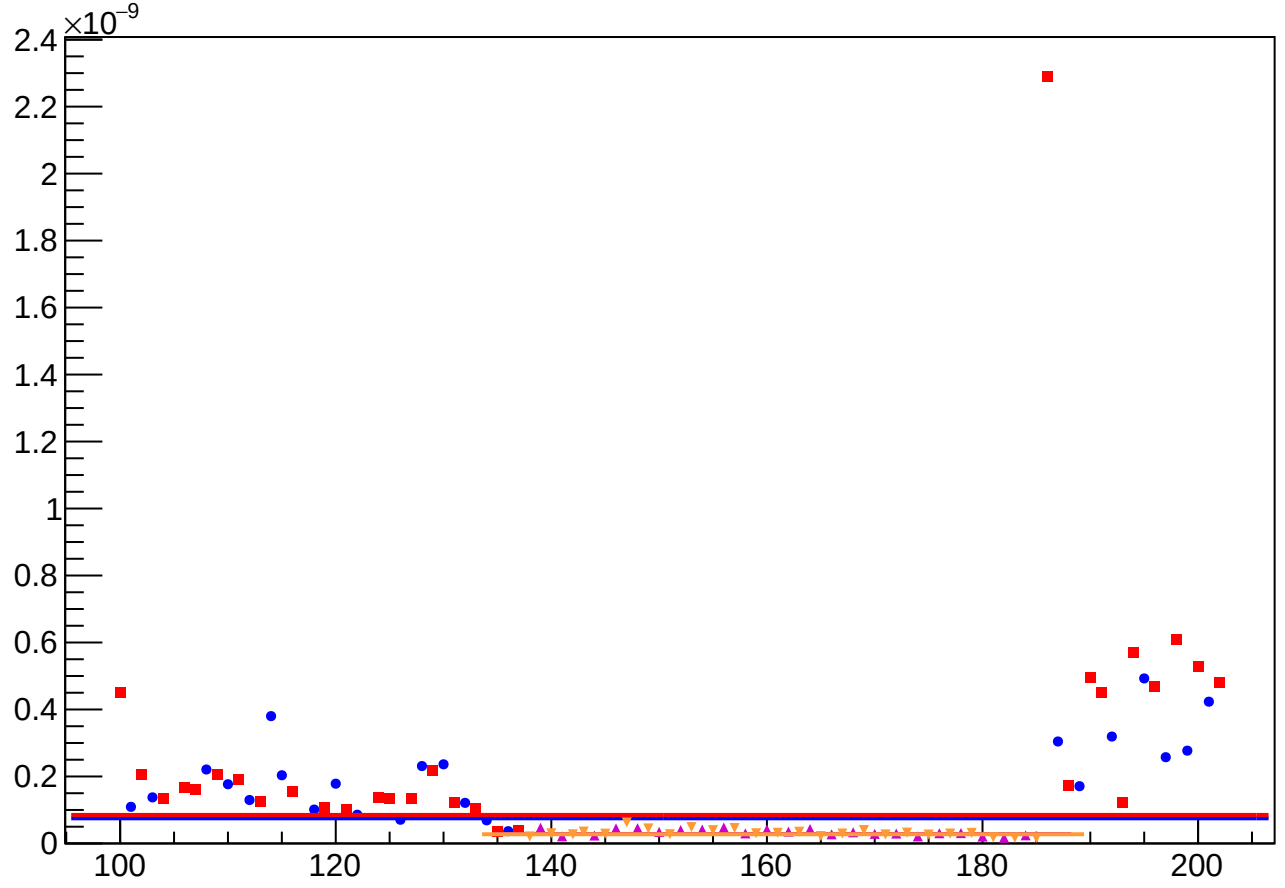
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.1/47

All: -0.000+/-0.000 χ^2/NDF: 102.1/99

- sign 0.000+/-0.000 χ^2/NDF: 59.9/51

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6377266.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9016268.6/28

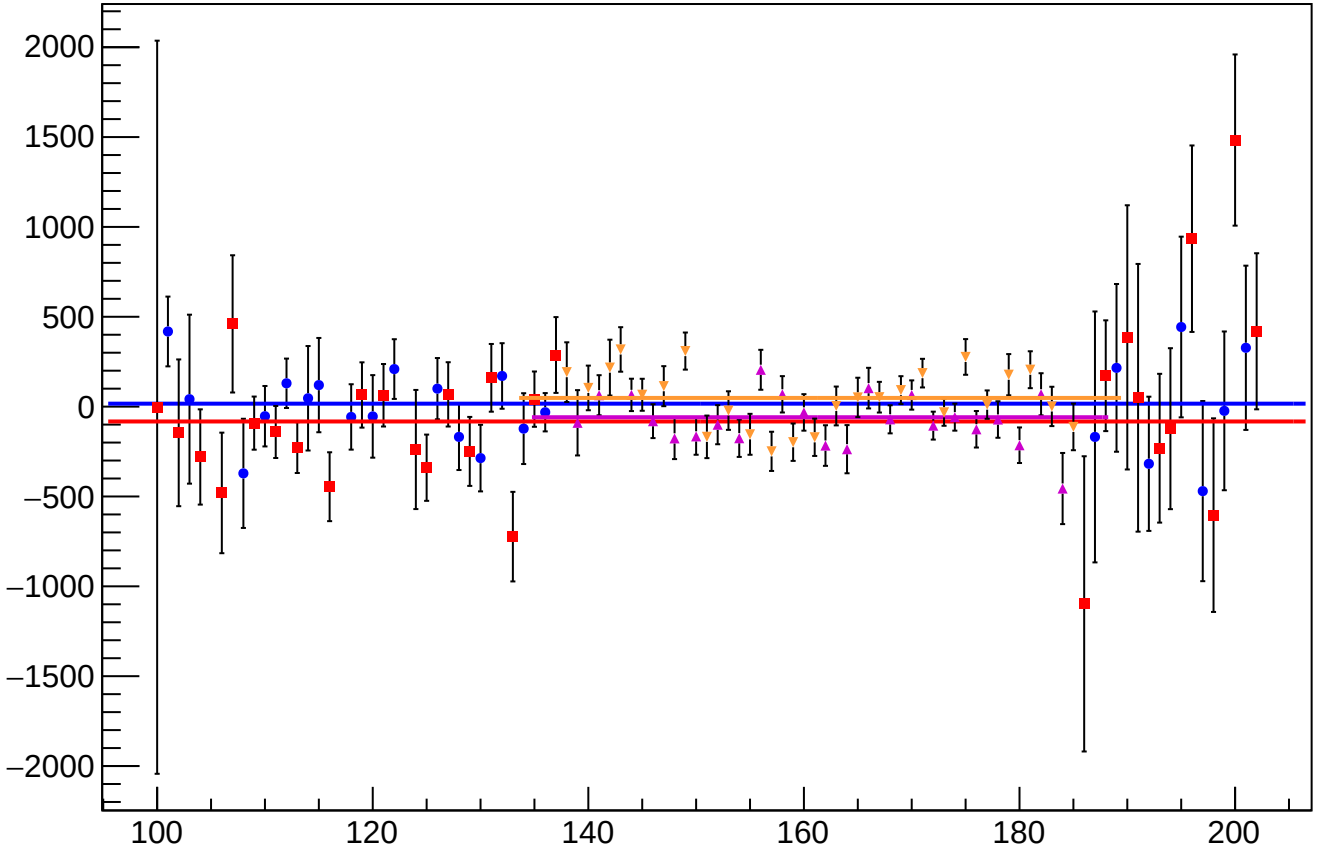
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12216619.5/47

All: 0.000+/-0.000 χ^2/NDF: 27722883.7/99

- sign 0.000+/-0.000 χ^2/NDF: 15488383.2/51

reg_asym_sam3_mean vs Slug



Right In: 16.469+/-44.264 χ^2/NDF: 17.1/22

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -82.643+/-43.871 χ^2/NDF: 45.5/28

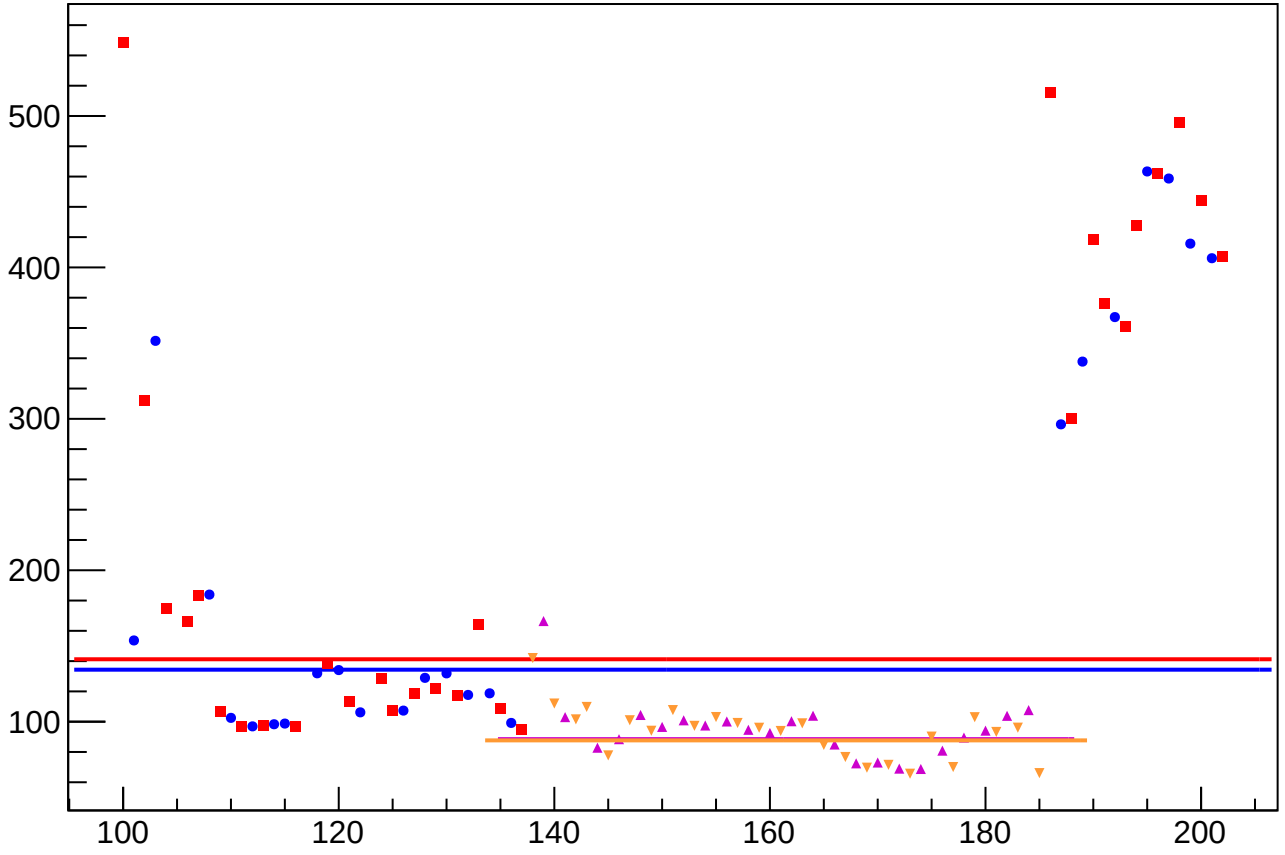
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 42.789+/-18.544 χ^2/NDF: 71.0/47

All: -8.895+/-13.290 χ^2/NDF: 163.4/99

- sign -63.472+/-19.056 χ^2/NDF: 76.4/51

reg_asym_sam3_rms vs Slug



Right In: 134.342+/-0.031 χ^2/NDF: 5622548.6/22

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 141.224+/-0.031 χ^2/NDF: 7502283.7/28

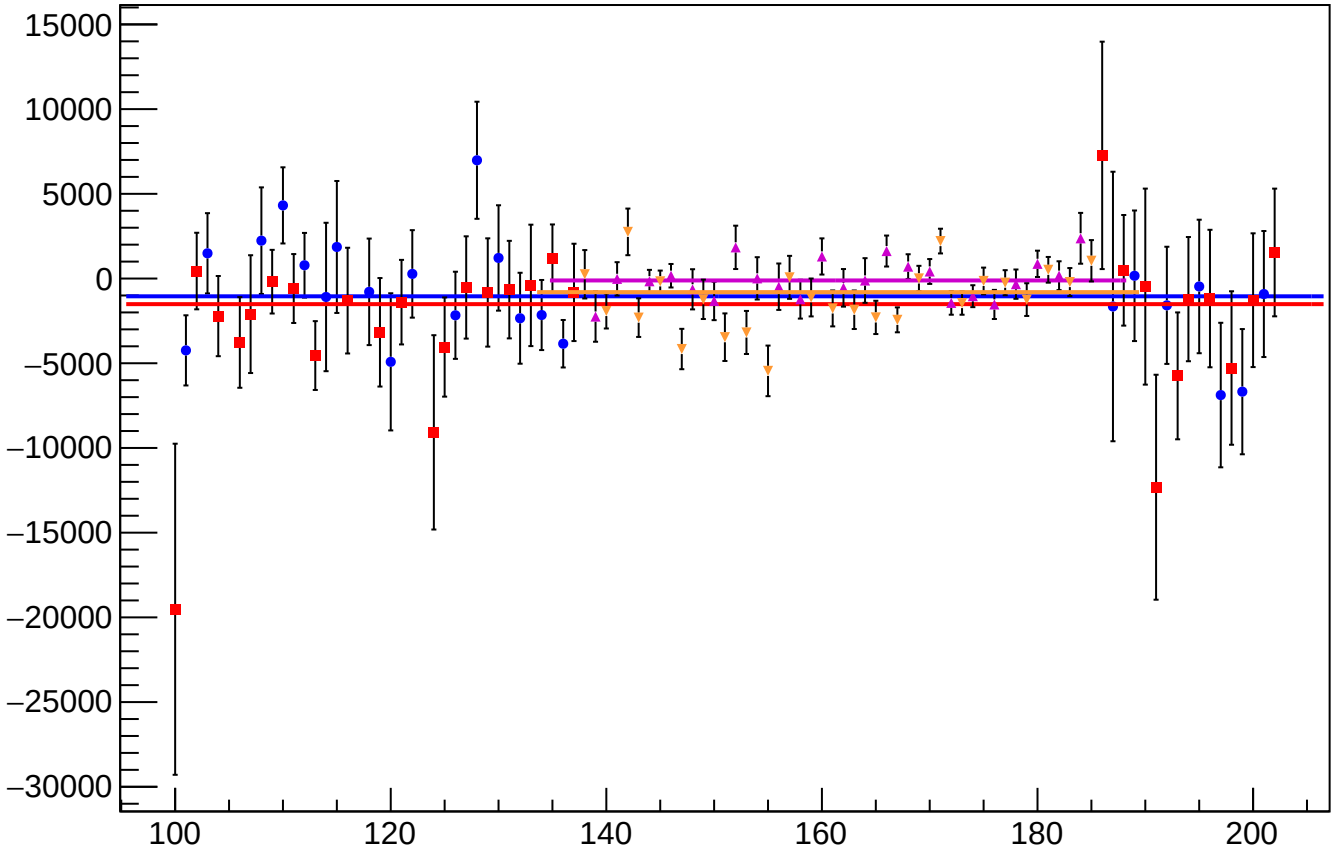
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 95.850+/-0.013 χ^2/NDF: 8670240.3/47

All: 97.107+/-0.009 χ^2/NDF: 19612206.8/99

- sign 98.433+/-0.013 χ^2/NDF: 10923093.8/51

asym_sam3_reg_correction_mean vs Slug



Right In: -1048.741+/-571.018 χ^2/NDF: 27.9/22

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1511.130+/-557.386 χ^2/NDF: 20.3/28

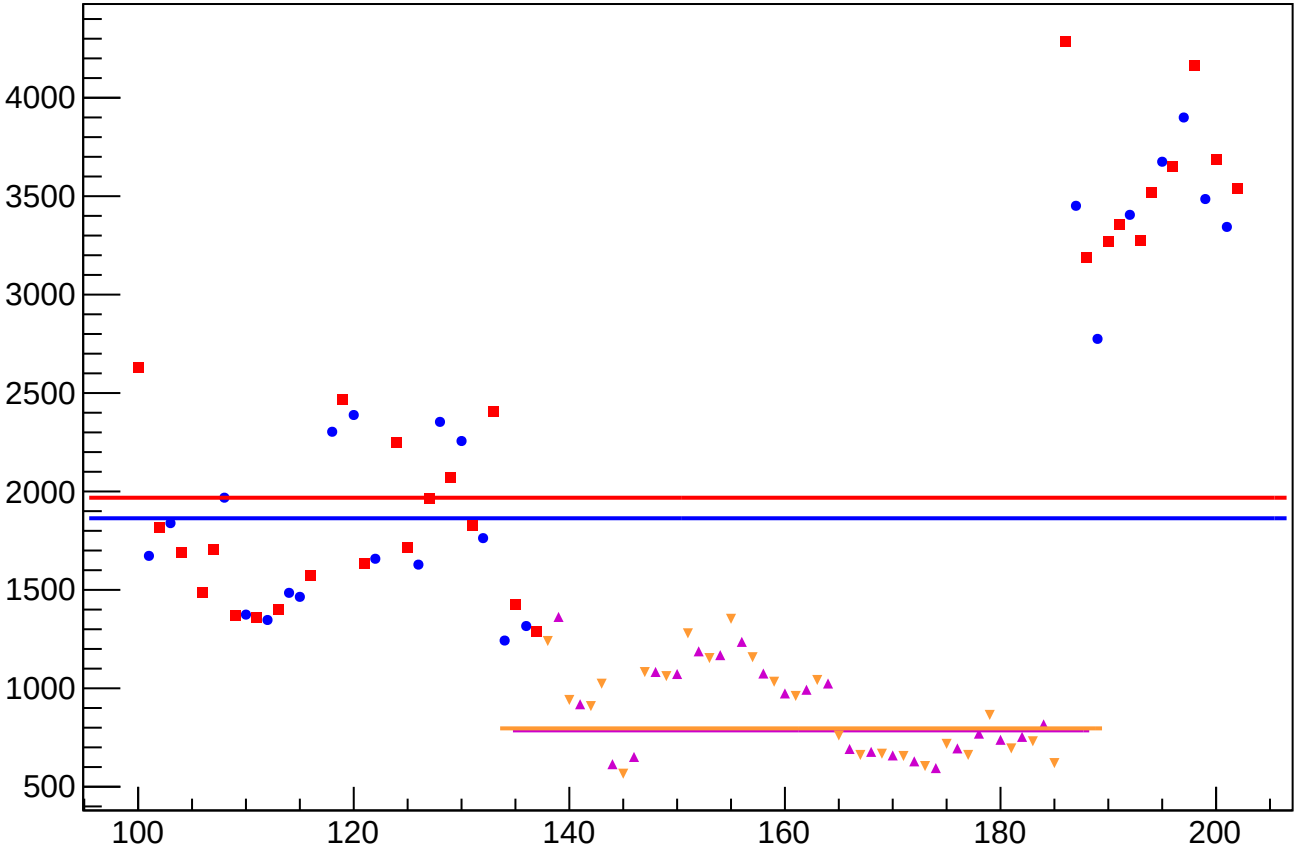
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -825.628+/-178.361 χ^2/NDF: 100.0/47

All: -544.741+/-126.719 χ^2/NDF: 158.0/99

- sign -258.454+/-180.067 χ^2/NDF: 53.0/51

asym_sam3_reg_correction_rms vs Slug



Right In: 1863.872+/-0.404 χ^2/NDF: 3128119.8/22

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1968.171+/-0.394 χ^2/NDF: 3944318.6/28

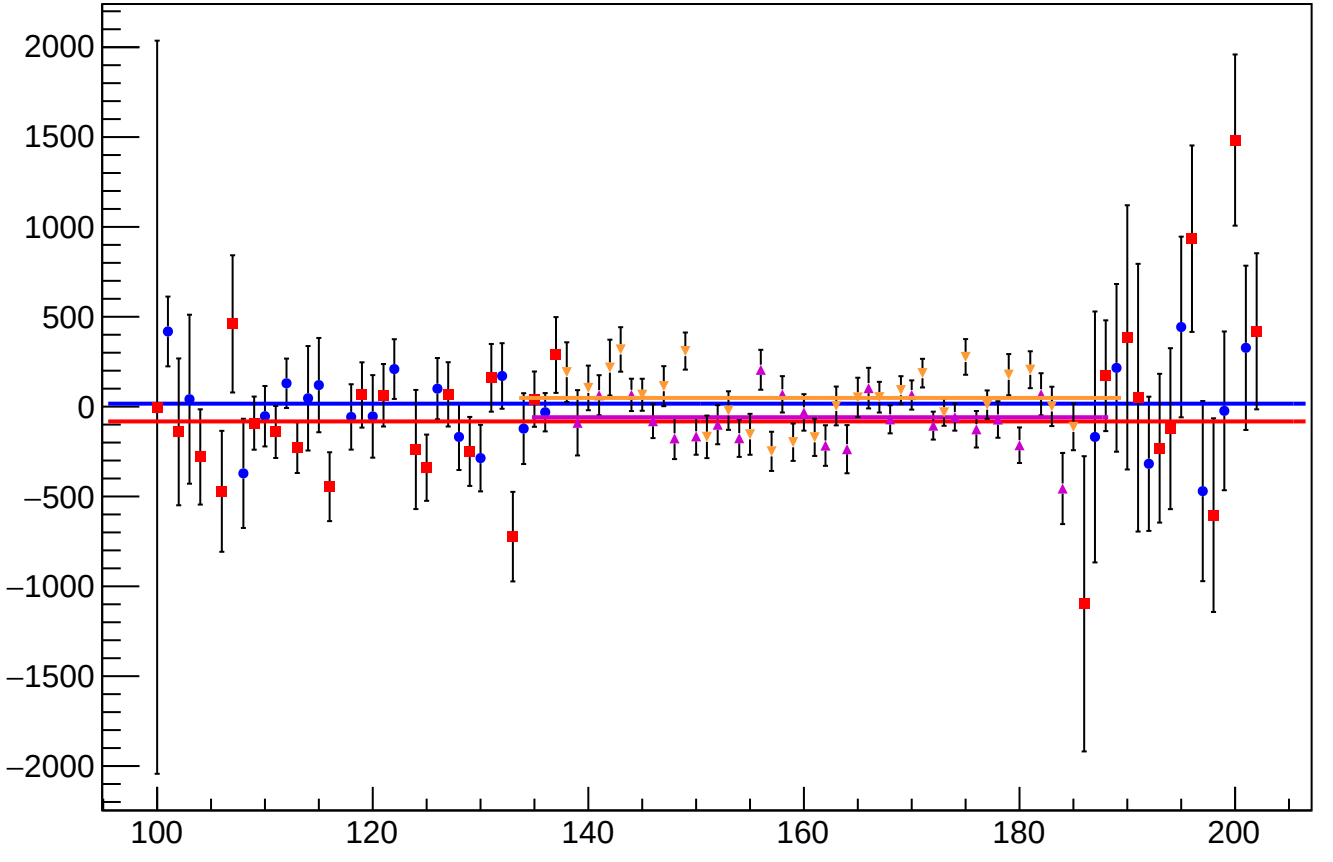
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 900.661+/-0.126 χ^2/NDF: 11852052.0/47

All: 905.127+/-0.090 χ^2/NDF: 26008577.5/99

- sign 909.679+/-0.127 χ^2/NDF: 14153993.7/51

cor_asym_sam3_mean vs Slug



Right In: 16.454+/-44.264 χ^2/NDF: 17.0/22

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -82.379+/-43.874 χ^2/NDF: 45.4/28

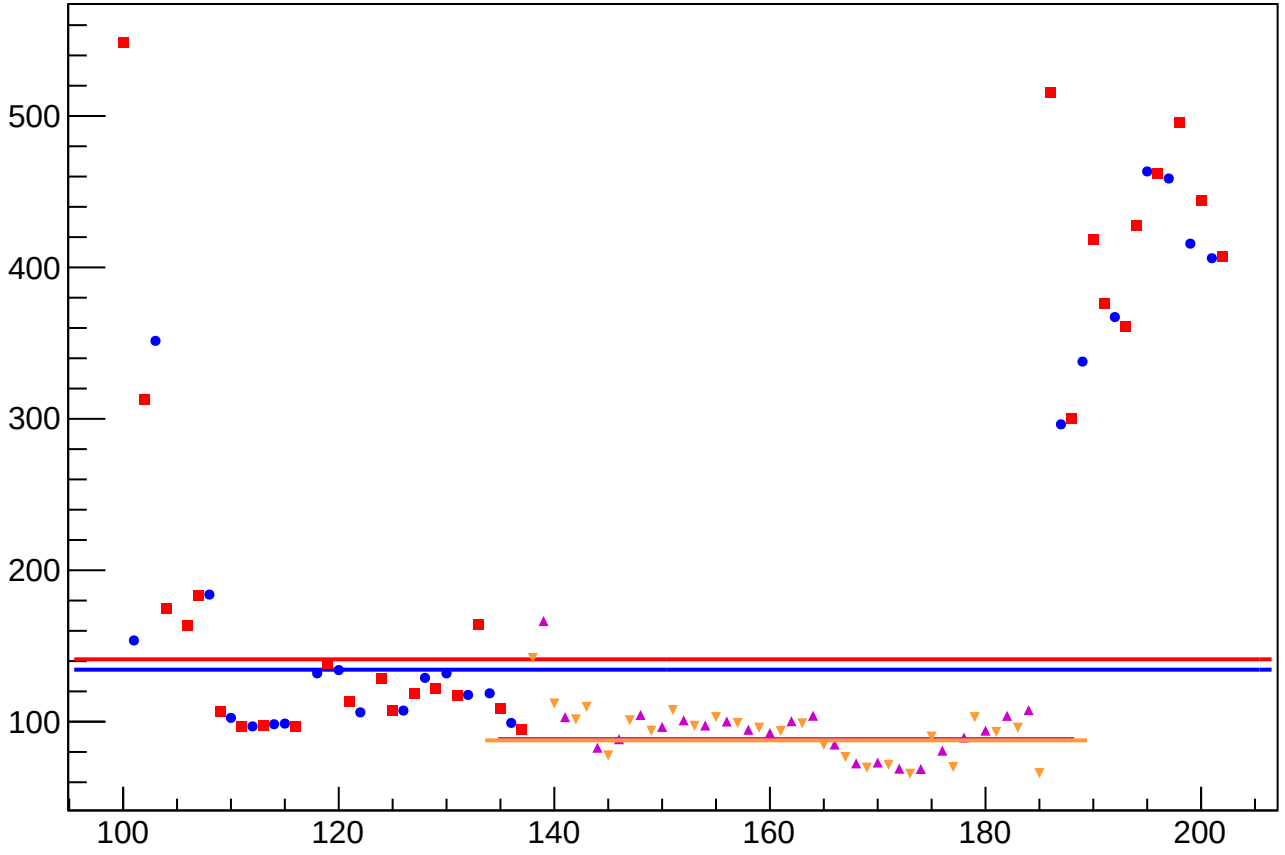
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.792+/-18.544 χ^2/NDF: 71.0/47

All: -8.870+/-13.290 χ^2/NDF: 163.3/99

- sign -63.424+/-19.056 χ^2/NDF: 76.3/51

cor_asym_sam3_rms vs Slug



Right In: 134.342+/-0.031 χ^2/NDF: 5622550.9/22

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 141.179+/-0.031 χ^2/NDF: 7500308.1/28

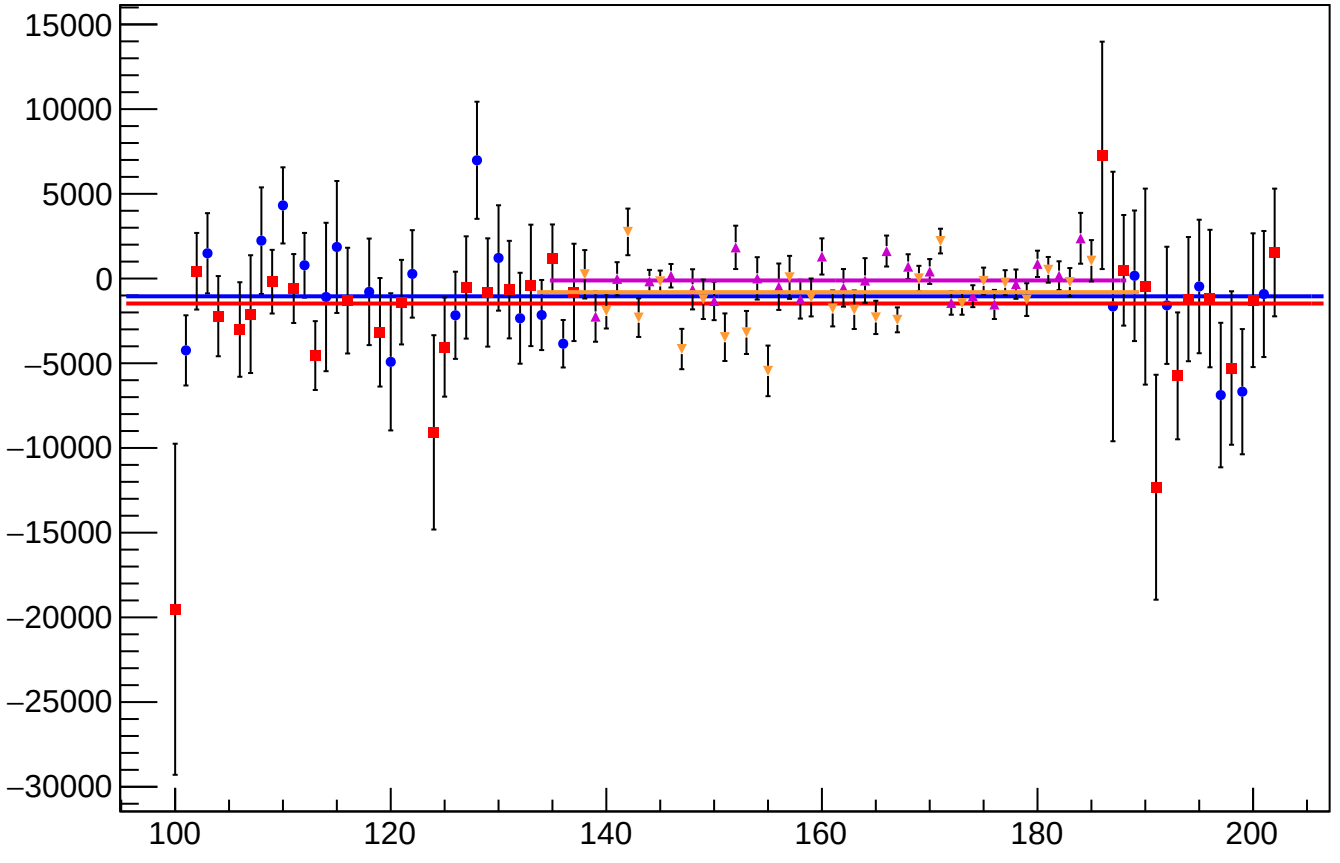
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 95.850+/-0.013 χ^2/NDF: 8670241.9/47

All: 97.102+/-0.009 χ^2/NDF: 19605895.1/99

- sign 98.424+/-0.013 χ^2/NDF: 10916917.9/51

asym_sam3_cor_correction_mean vs Slug



Right In: -1048.728+/-571.022 χ^2/NDF: 27.9/22

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1473.645+/-558.397 χ^2/NDF: 19.9/28

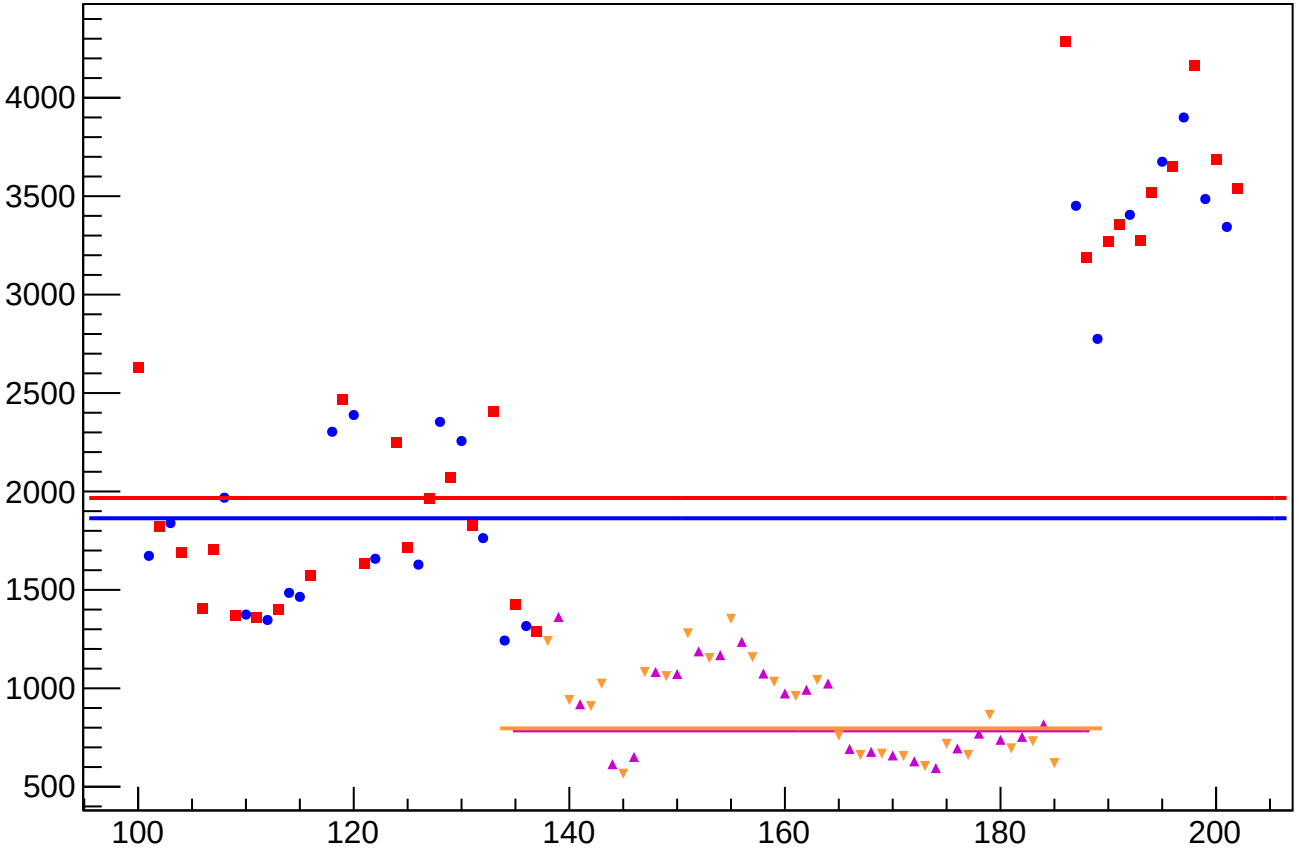
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -825.620+/-178.361 χ^2/NDF: 100.0/47

All: -542.626+/-126.731 χ^2/NDF: 157.4/99

- sign -254.083+/-180.101 χ^2/NDF: 52.3/51

asym_sam3_cor_correction_rms vs Slug



Right In: 1863.883+/-0.404 χ^2/NDF: 3128120.3/22

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1966.726+/-0.395 χ^2/NDF: 3960601.9/28

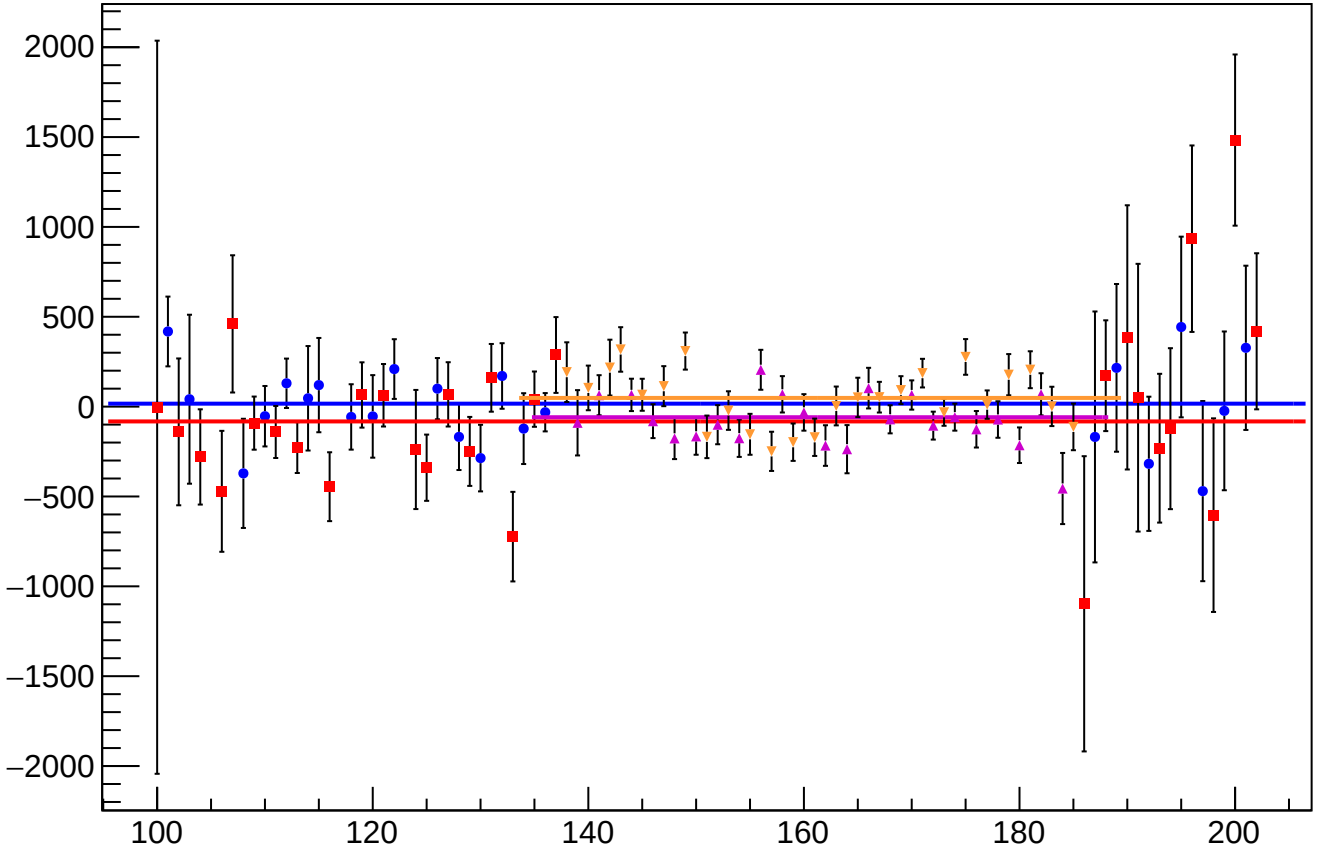
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 900.661+/-0.126 χ^2/NDF: 11852111.9/47

All: 904.853+/-0.090 χ^2/NDF: 25978905.9/99

- sign 909.129+/-0.127 χ^2/NDF: 14124561.8/51

eigen_cor_asym_sam3_mean vs Slug



Right In: 16.454+/-44.264 χ^2/NDF: 17.0/22

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -82.379+/-43.874 χ^2/NDF: 45.4/28

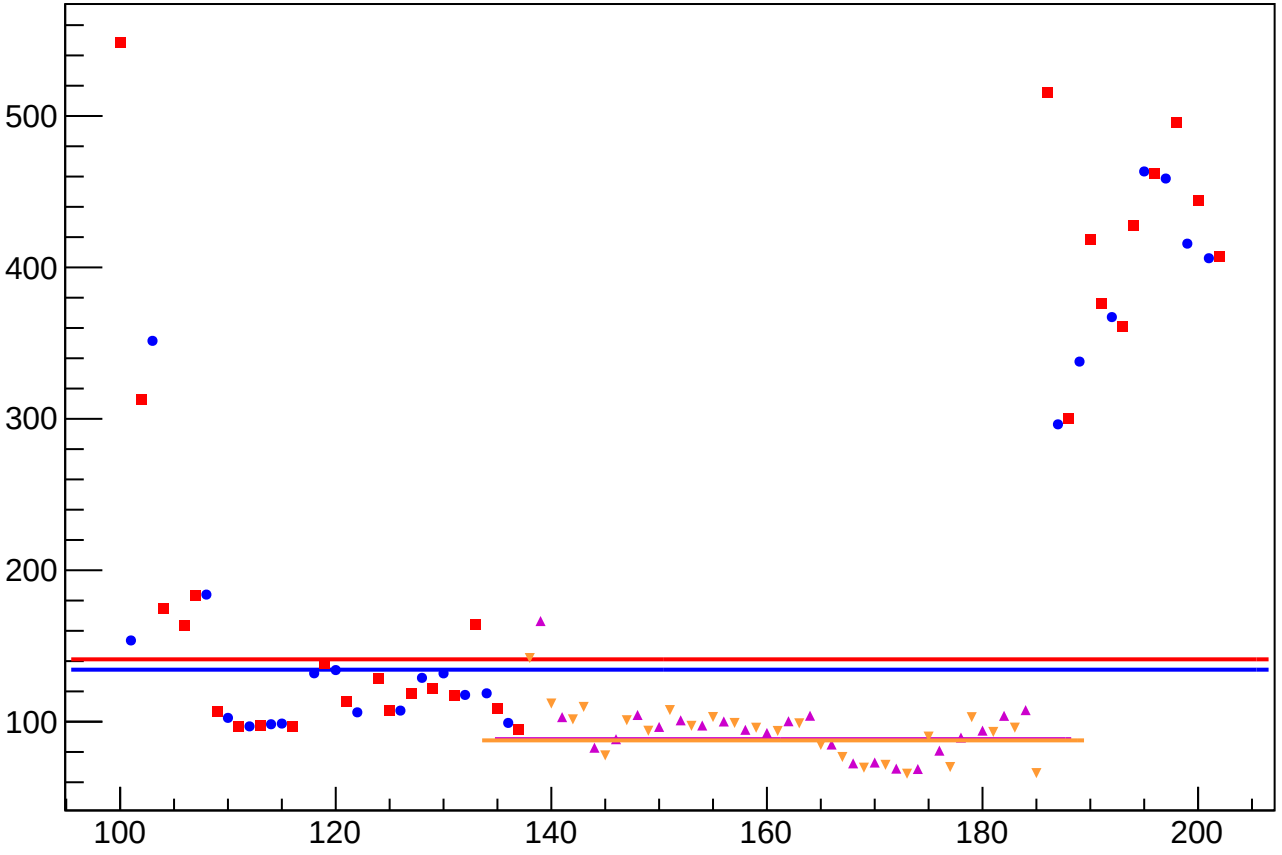
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.792+/-18.544 χ^2/NDF: 71.0/47

All: -8.870+/-13.290 χ^2/NDF: 163.3/99

- sign -63.424+/-19.056 χ^2/NDF: 76.3/51

eigen_cor_asym_sam3_rms vs Slug



Right In: 134.342+/-0.031 χ^2/NDF: 5622550.9/22

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

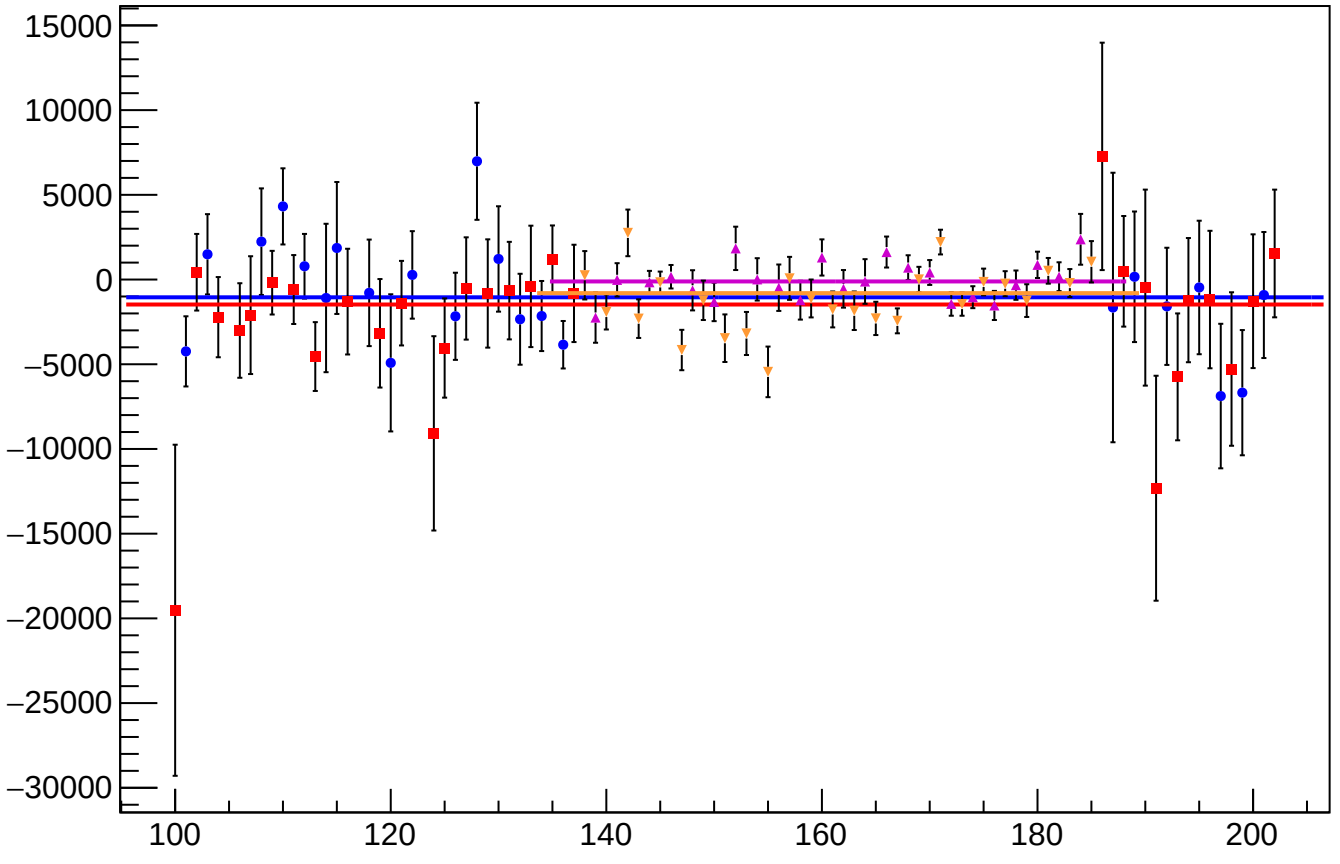
Right Out: 141.179+/-0.031 χ^2/NDF: 7500308.1/28

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 95.850+/-0.013 χ^2/NDF: 8670241.9/47

All: 97.102+/-0.009 χ^2/NDF: 19605895.1/99

- sign 98.424+/-0.013 χ^2/NDF: 10916917.9/51



Right In: -1048.728+/-571.022 χ^2/NDF: 27.9/22

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

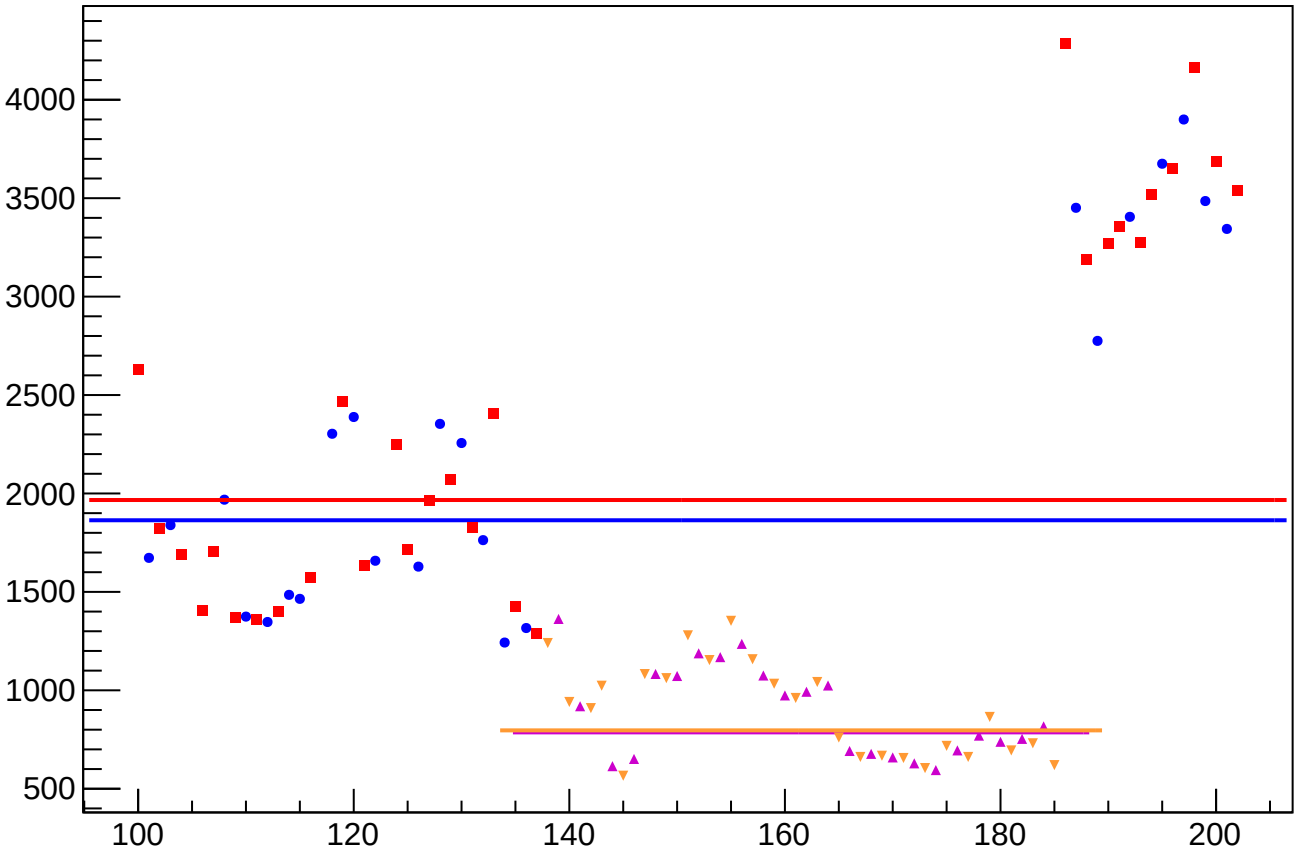
Right Out: -1473.645+/-558.397 χ^2/NDF: 19.9/28

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -825.620+/-178.361 χ^2/NDF: 100.0/47

All: -542.626+/-126.731 χ^2/NDF: 157.4/99

- sign -254.083+/-180.101 χ^2/NDF: 52.3/51



Right In: 1863.883+/-0.404 χ^2/NDF: 3128120.3/22

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

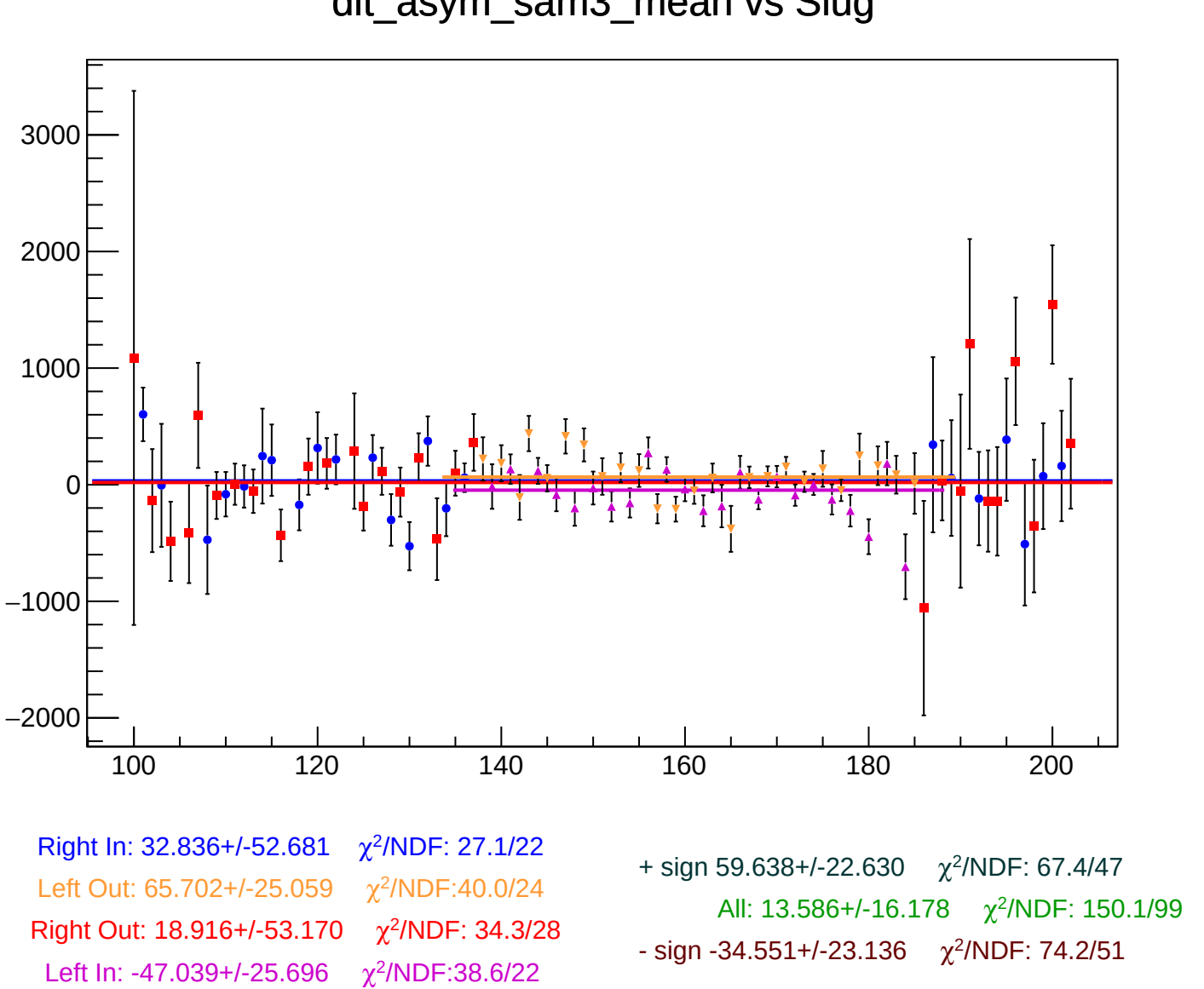
Right Out: 1966.726+/-0.395 χ^2/NDF: 3960601.9/28

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

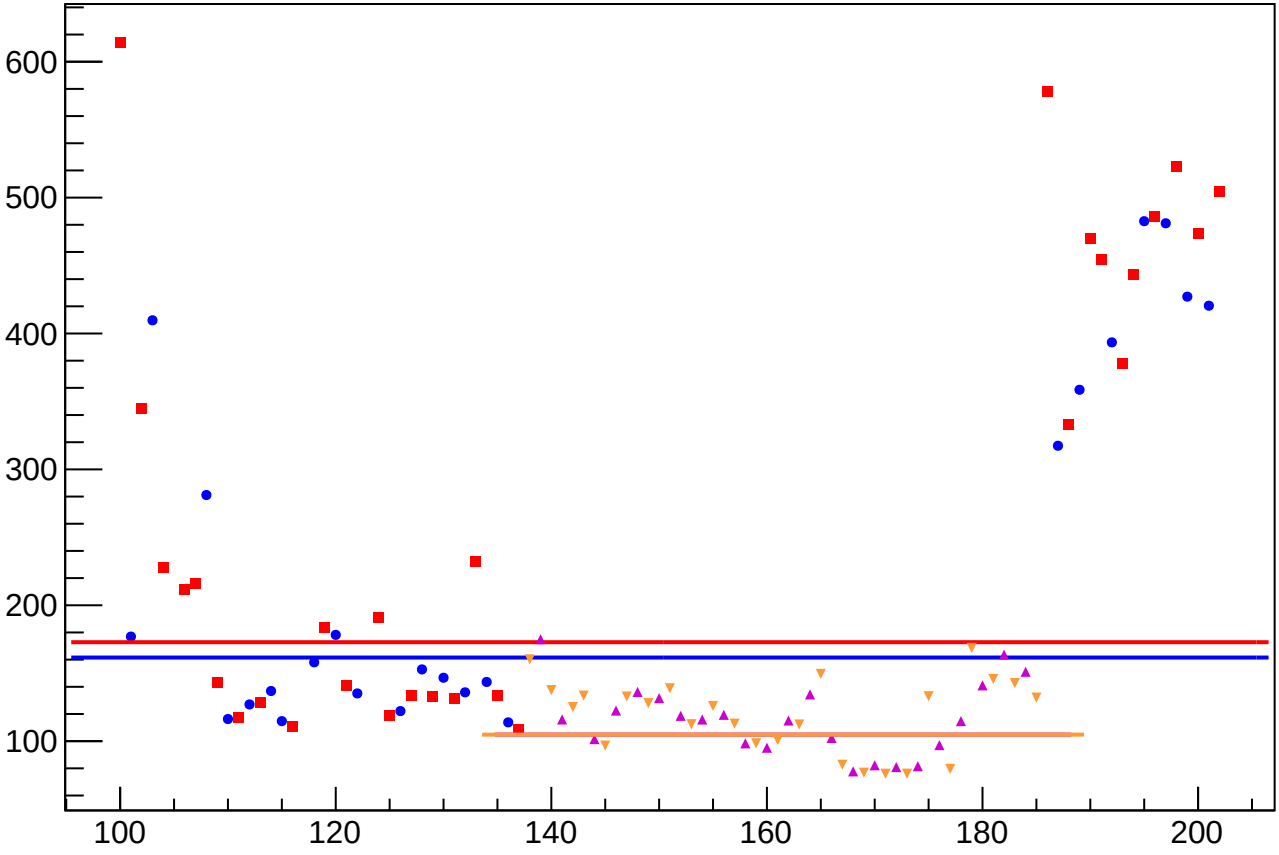
+ sign 900.661+/-0.126 χ^2/NDF: 11852111.9/47

All: 904.853+/-0.090 χ^2/NDF: 25978905.9/99

- sign 909.129+/-0.127 χ^2/NDF: 14124561.8/51


dit_asym_sam3_mean vs Slug
3000
2000
1000
0
−1000
−2000
100
120
140
160
180
200
Right In: 32.836+/-52.681 χ²/NDF: 27.1/22
Left Out: 65.702+/-25.059 χ²/NDF:40.0/24
Right Out: 18.916+/-53.170 χ²/NDF: 34.3/28
Left In: -47.039+/-25.696 χ²/NDF:38.6/22
+ sign 59.638+/-22.630 χ²/NDF: 67.4/47
All: 13.586+/-16.178 χ²/NDF: 150.1/99
- sign -34.551+/-23.136 χ²/NDF: 74.2/51

dit_asym_sam3_rms vs Slug



Right In: 161.536+/-0.037 χ^2/NDF: 5138995.9/22

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 172.831+/-0.038 χ^2/NDF: 6891239.3/28

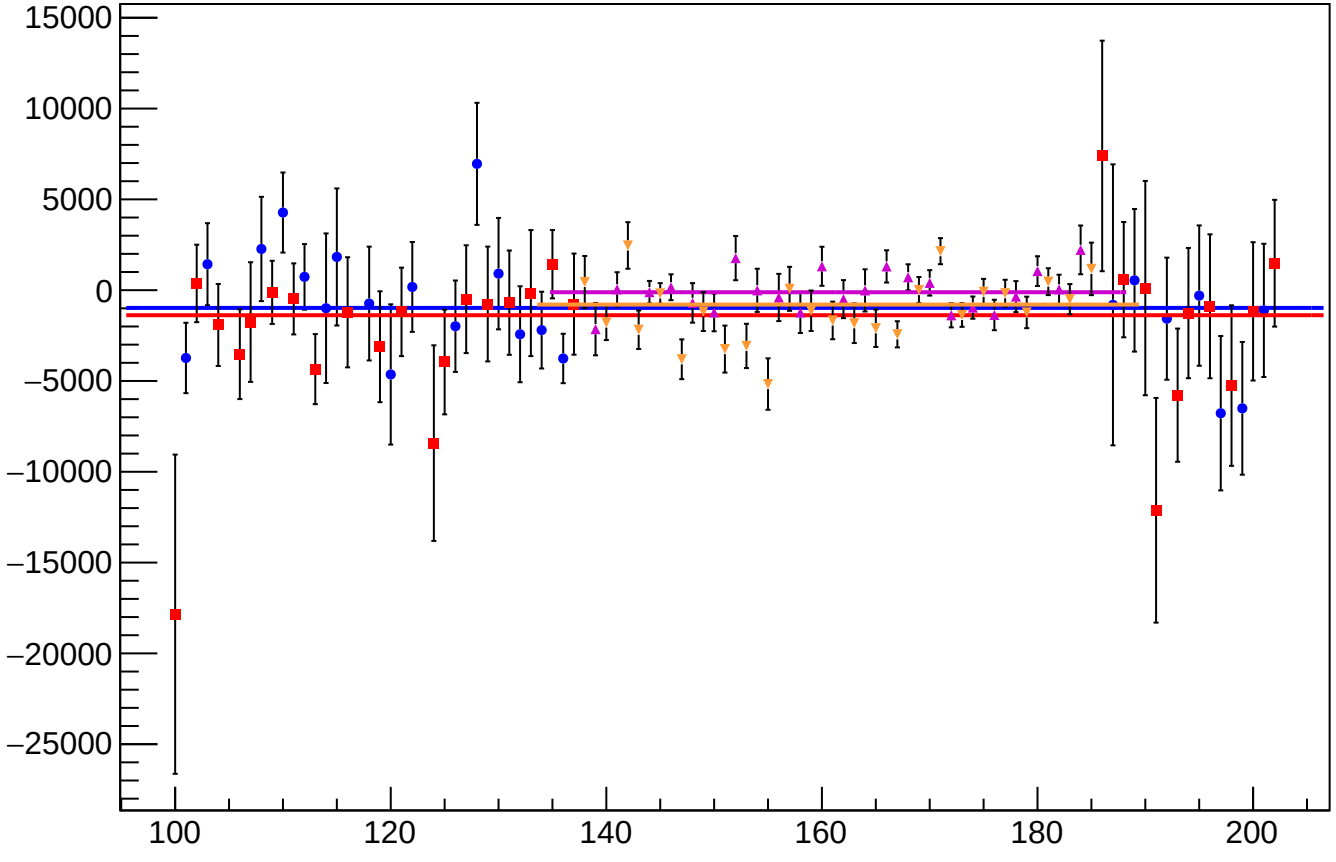
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 115.277+/-0.016 χ^2/NDF: 9272813.7/47

All: 116.466+/-0.011 χ^2/NDF: 20441418.3/99

- sign 117.709+/-0.016 χ^2/NDF: 11157310.6/51

asym_sam3_dit_correction_mean vs Slug



Right In: -975.856+/-553.967 χ^2/NDF: 28.0/22

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1379.019+/-533.689 χ^2/NDF: 21.8/28

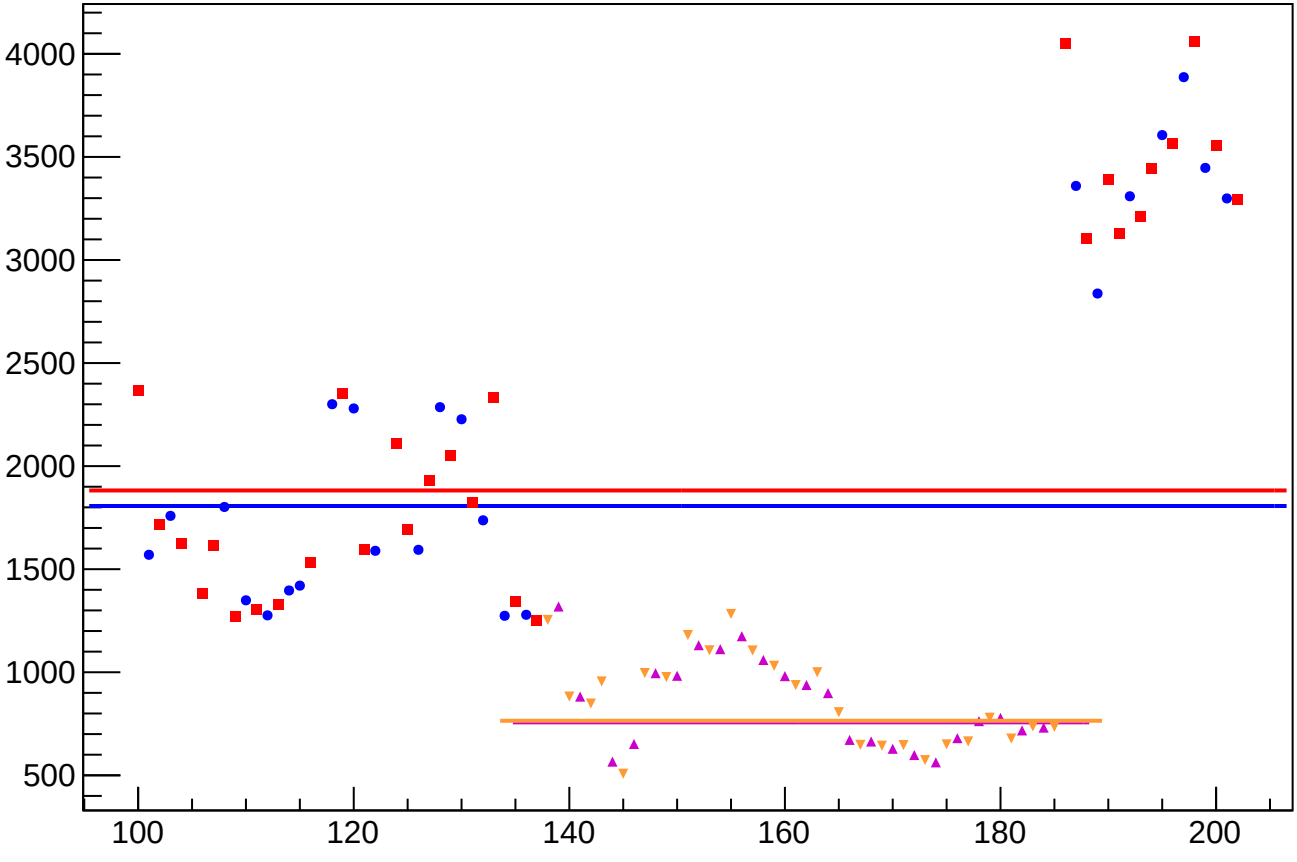
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -810.508+/-171.101 χ^2/NDF: 98.1/47

All: -532.193+/-121.726 χ^2/NDF: 156.6/99

- sign -246.967+/-173.212 χ^2/NDF: 53.1/51

asym_sam3_dit_correction_rms vs Slug



Right In: 1806.537+/-0.392 χ^2/NDF: 3212392.9/22

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1881.935+/-0.377 χ^2/NDF: 4090277.7/28

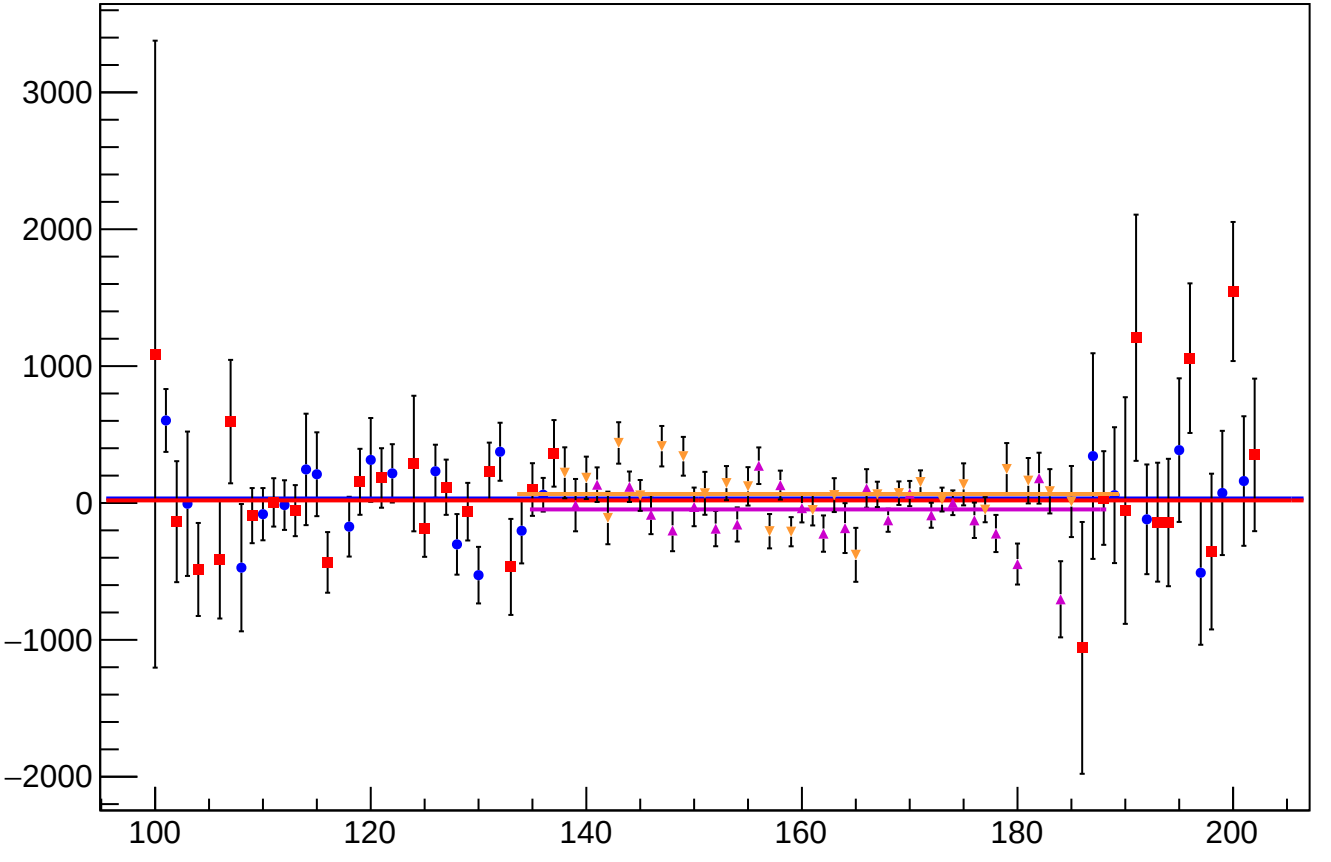
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 864.119+/-0.121 χ^2/NDF: 12036645.5/47

All: 869.706+/-0.086 χ^2/NDF: 26197560.2/99

- sign 875.431+/-0.122 χ^2/NDF: 14156597.3/51

eigen_dit_asym_sam3_mean vs Slug



Right In: 32.835+/-52.682 χ^2/NDF: 27.1/22

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 18.919+/-53.171 χ^2/NDF: 34.3/28

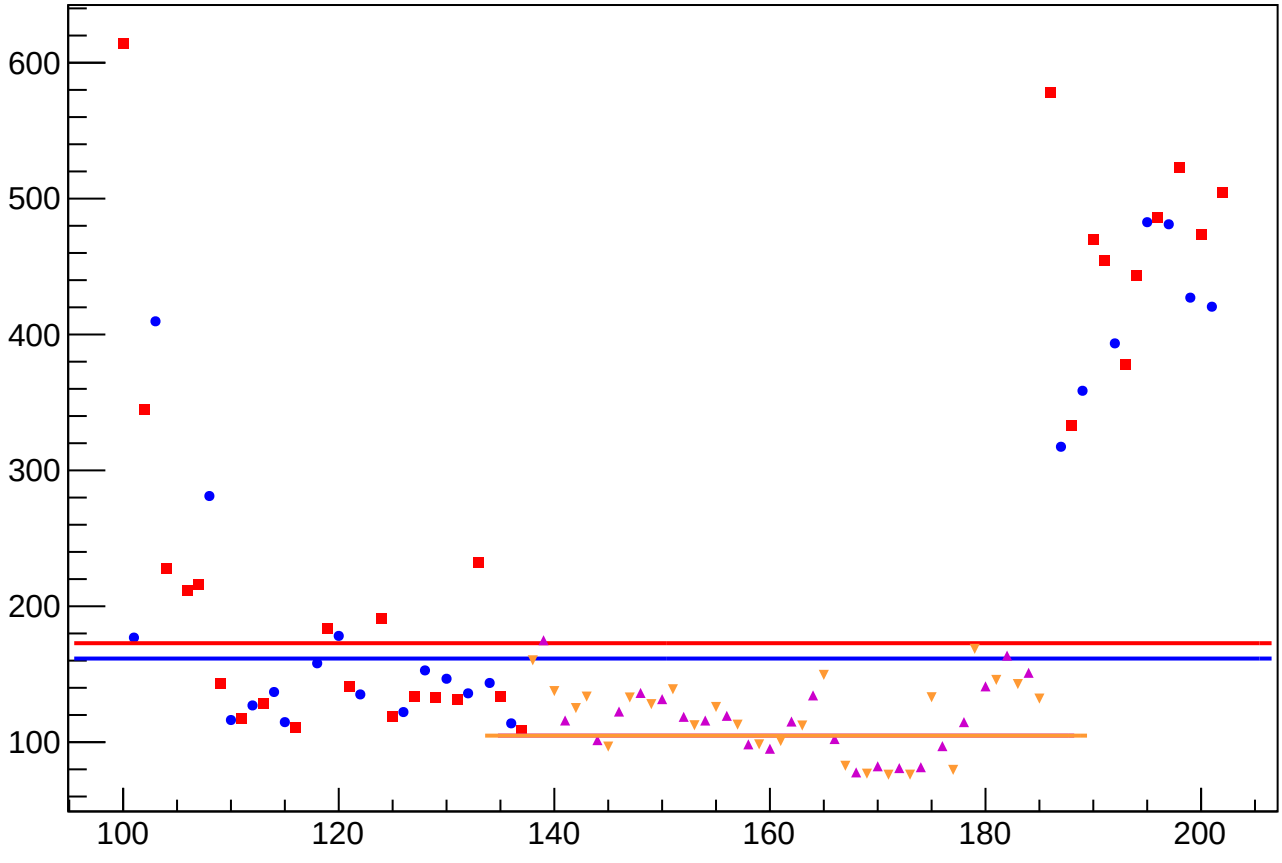
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 59.638+/-22.630 χ^2/NDF: 67.4/47

All: 13.586+/-16.178 χ^2/NDF: 150.1/99

- sign -34.550+/-23.136 χ^2/NDF: 74.2/51

eigen_dit_asym_sam3_rms vs Slug



Right In: 161.537+/-0.037 χ^2/NDF: 5138992.9/22

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 172.832+/-0.038 χ^2/NDF: 6891230.4/28

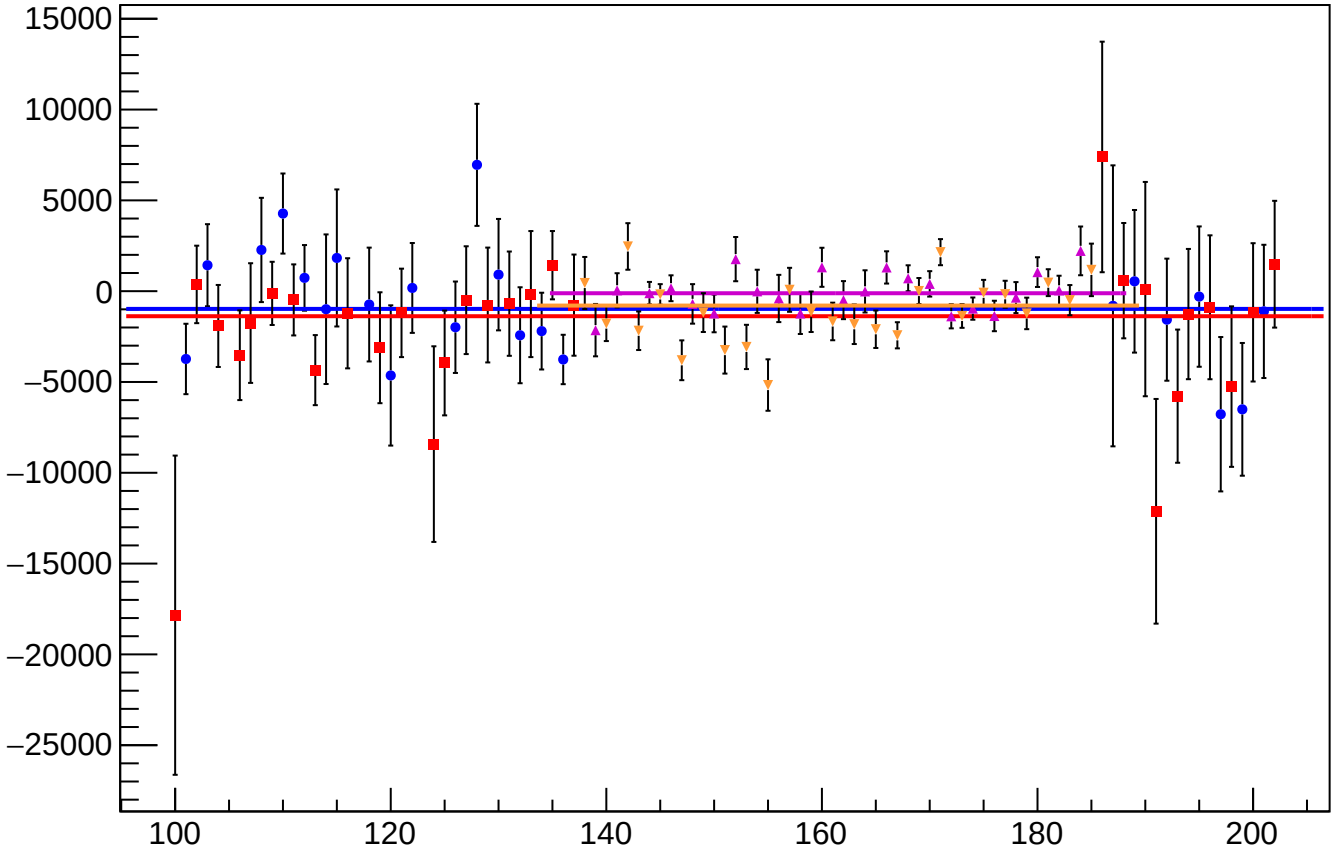
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 115.277+/-0.016 χ^2/NDF: 9272822.8/47

All: 116.466+/-0.011 χ^2/NDF: 20441433.3/99

- sign 117.709+/-0.016 χ^2/NDF: 11157316.6/51

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -975.853+/-553.966 χ^2/NDF: 28.0/22

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1379.018+/-533.689 χ^2/NDF: 21.8/28

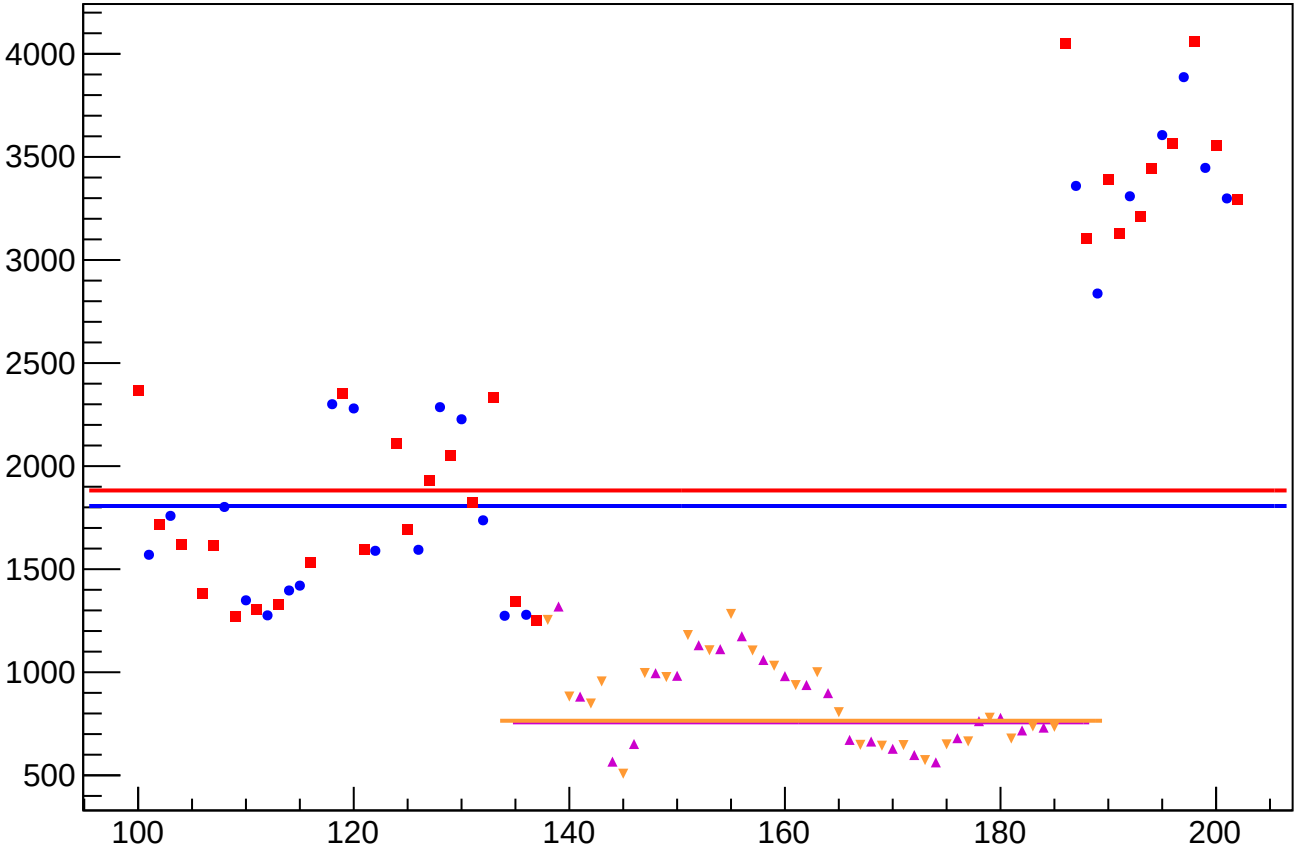
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -810.508+/-171.101 χ^2/NDF: 98.1/47

All: -532.193+/-121.726 χ^2/NDF: 156.6/99

- sign -246.967+/-173.212 χ^2/NDF: 53.1/51

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1806.535+/-0.392 χ^2/NDF: 3212391.3/22

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1881.932+/-0.377 χ^2/NDF: 4090278.4/28

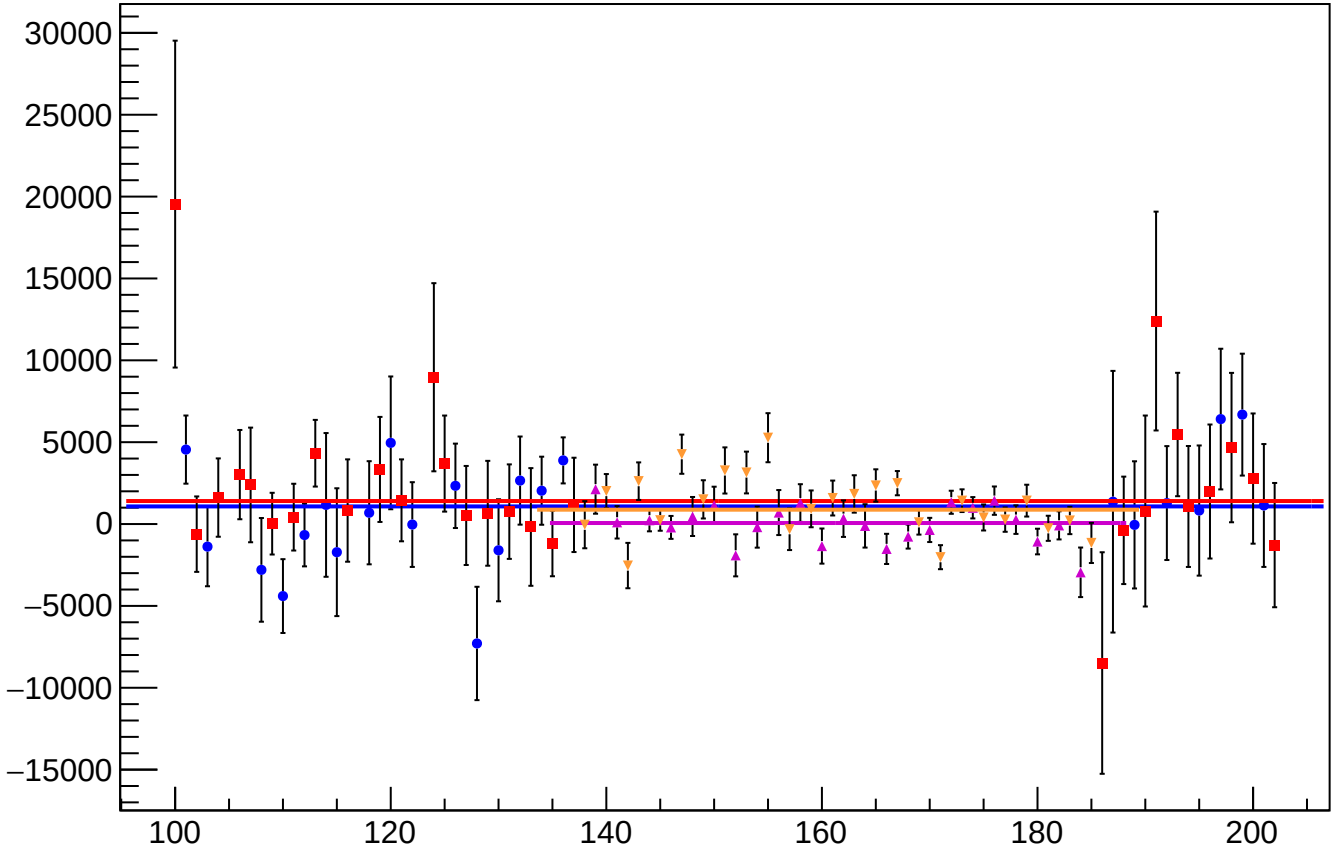
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 864.119+/-0.121 χ^2/NDF: 12036634.9/47

All: 869.705+/-0.086 χ^2/NDF: 26197538.5/99

- sign 875.431+/-0.122 χ^2/NDF: 14156586.2/51

asym_sam3_mean vs Slug



Right In: 1076.157+/-573.826 χ^2/NDF: 29.0/22

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1405.136+/-560.569 χ^2/NDF: 19.6/28

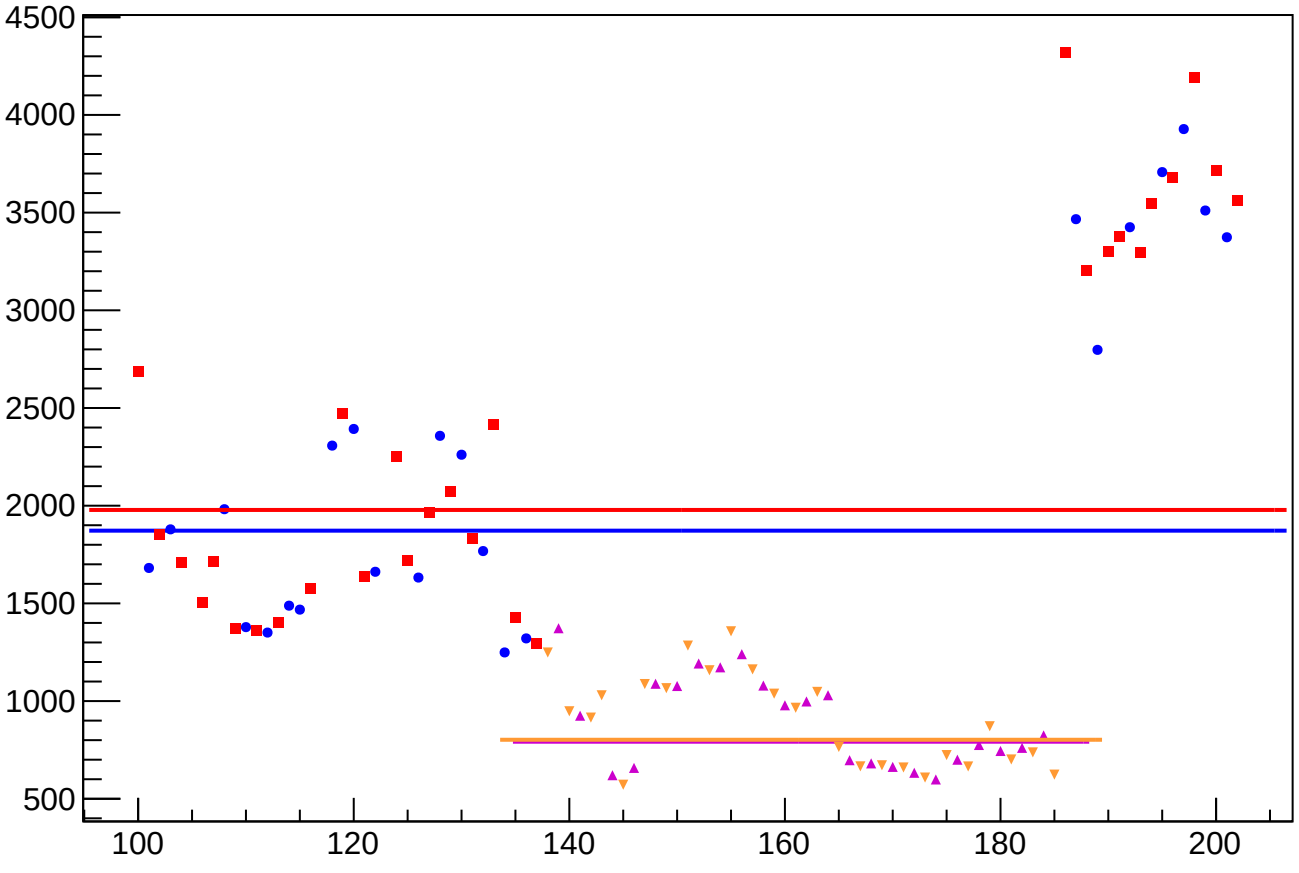
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 896.023+/-179.512 χ^2/NDF: 96.3/47

All: 553.027+/-127.561 χ^2/NDF: 155.6/99

- sign 203.168+/-181.299 χ^2/NDF: 51.9/51

asym_sam3_rms vs Slug



Right In: 1872.212+/-0.406 χ^2/NDF: 3146660.2/22

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1978.192+/-0.396 χ^2/NDF: 3963118.6/28

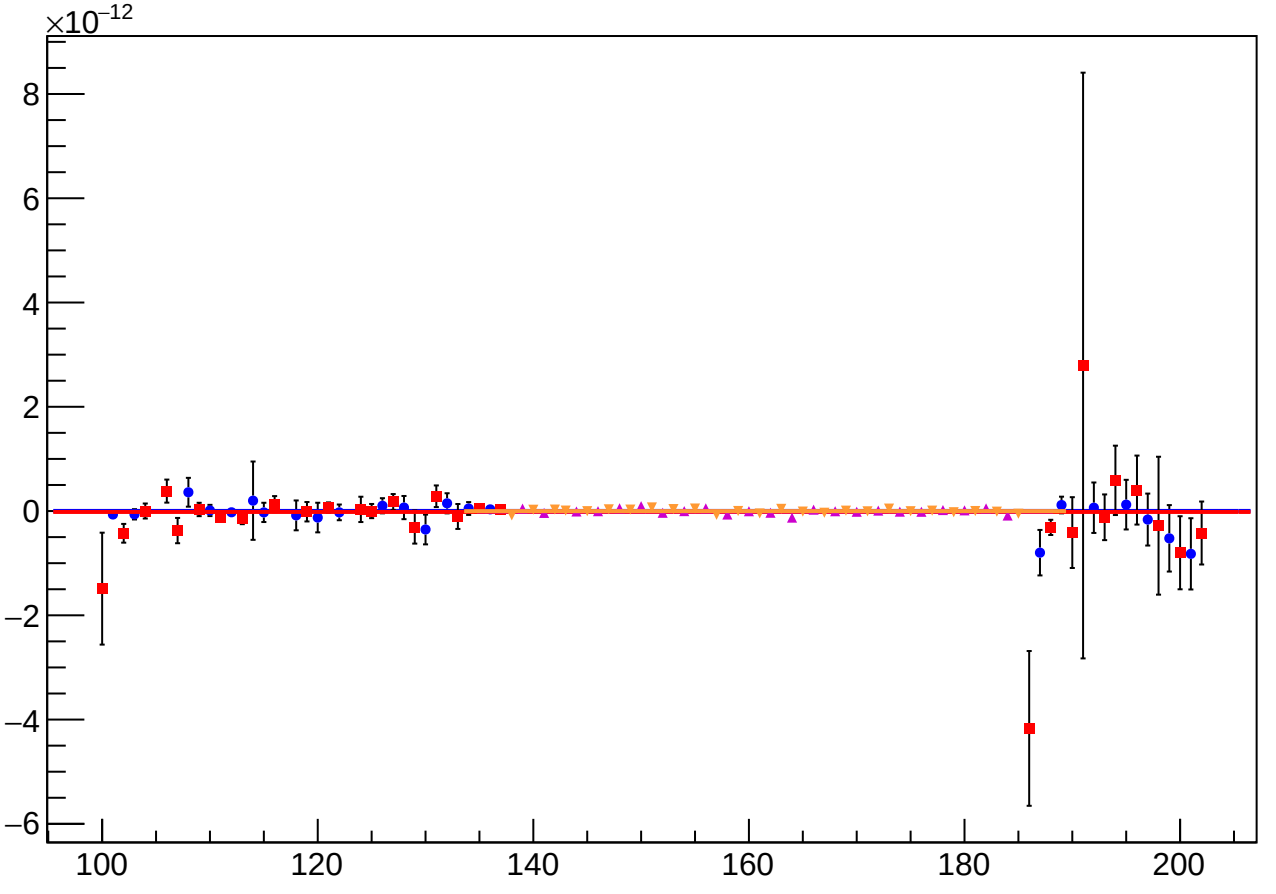
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 906.749+/-0.127 χ^2/NDF: 11818482.0/47

All: 911.393+/-0.090 χ^2/NDF: 25937680.8/99

- sign 916.130+/-0.128 χ^2/NDF: 14116494.7/51

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

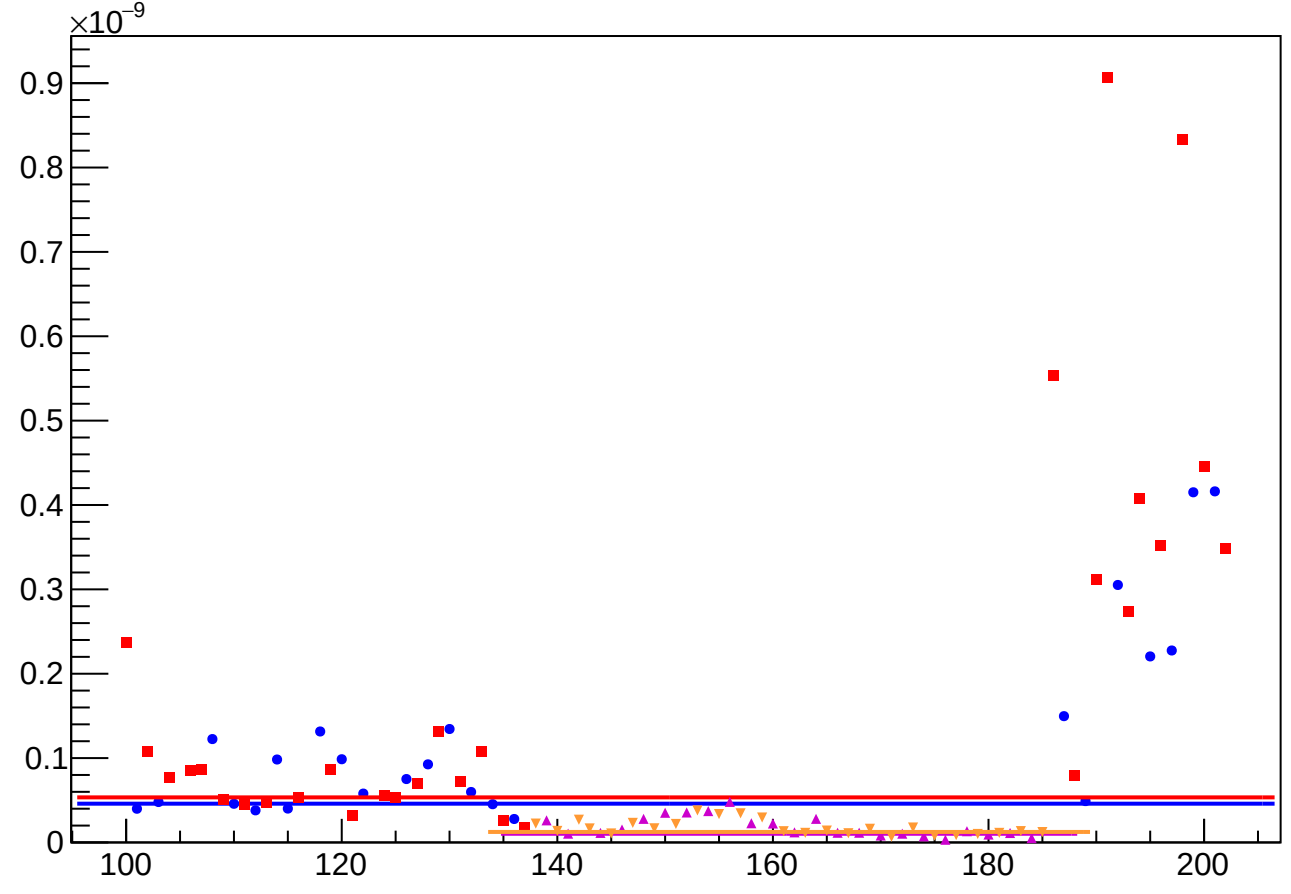
Right Out: -0.000+/-0.000 χ^2/NDF: 39.3/28

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/47

All: -0.000+/-0.000 χ^2/NDF: 108.6/99

- sign -0.000+/-0.000 χ^2/NDF: 70.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 3664661.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5403806.2/28

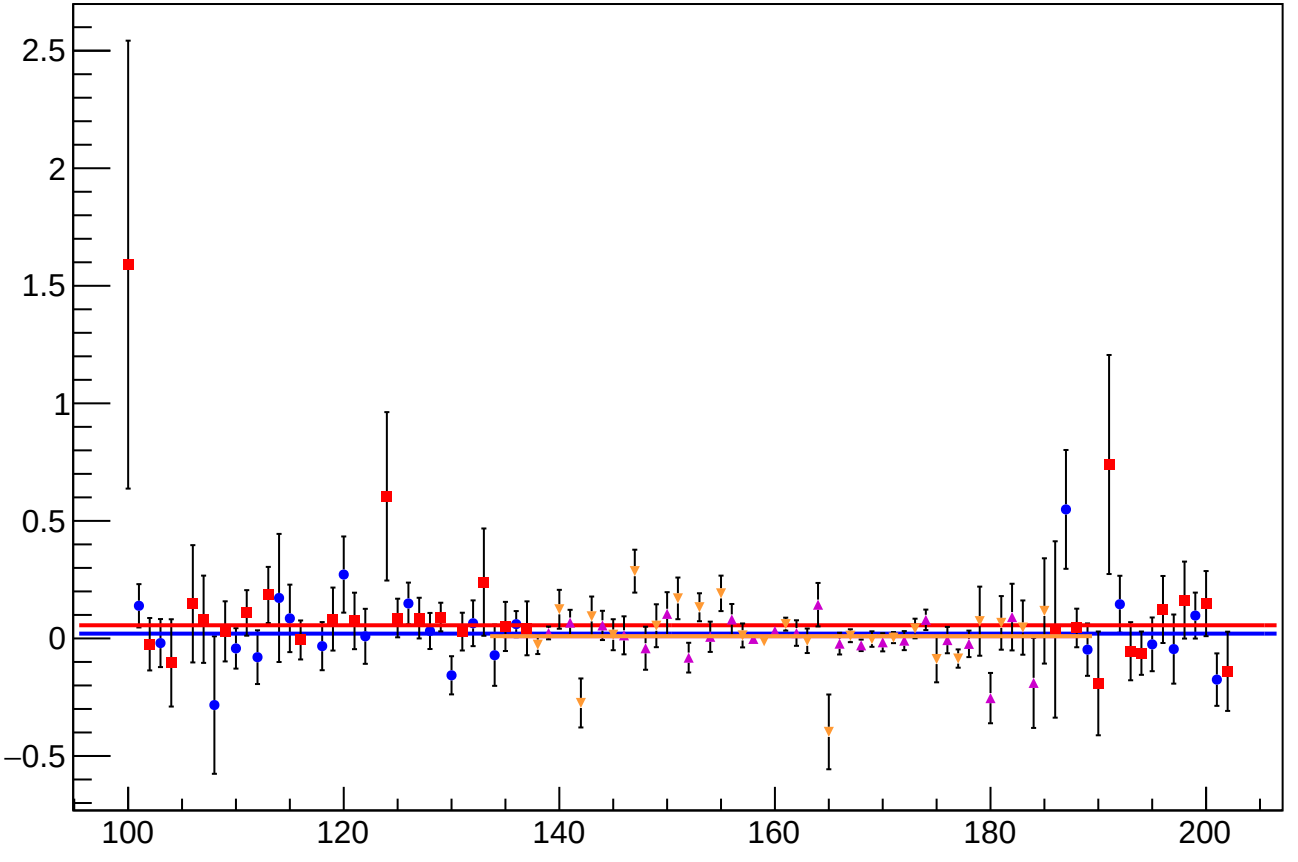
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8909447.2/47

All: 0.000+/-0.000 χ^2/NDF: 22365317.1/99

- sign 0.000+/-0.000 χ^2/NDF: 13255323.9/51

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.022 χ^2/NDF: 25.4/22

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.056+/-0.022 χ^2/NDF: 18.2/28

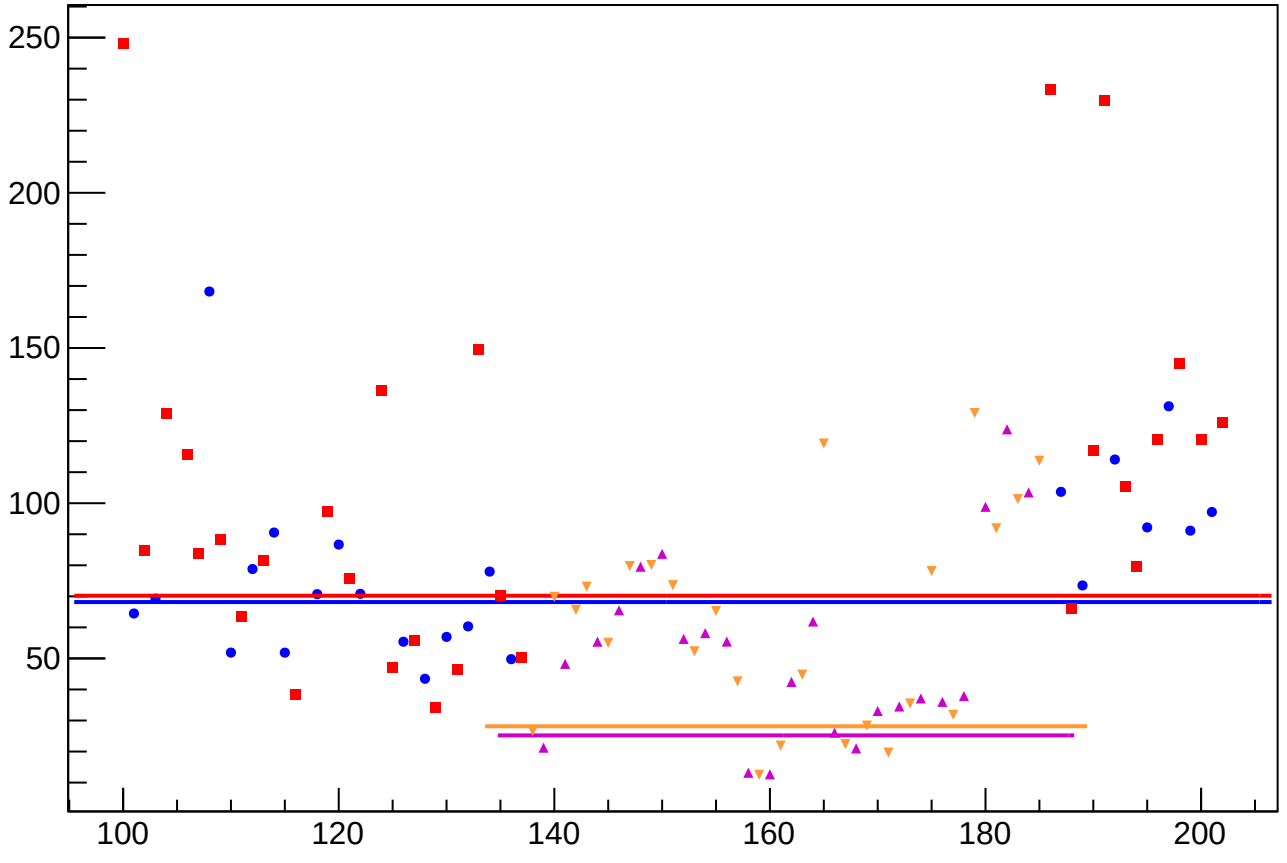
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 80.2/47

All: 0.013+/-0.005 χ^2/NDF: 127.7/99

- sign 0.015+/-0.007 χ^2/NDF: 47.4/51

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 68.159+/-0.015 χ^2/NDF: 1959344.9/22

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.197+/-0.015 χ^2/NDF: 4326043.5/28

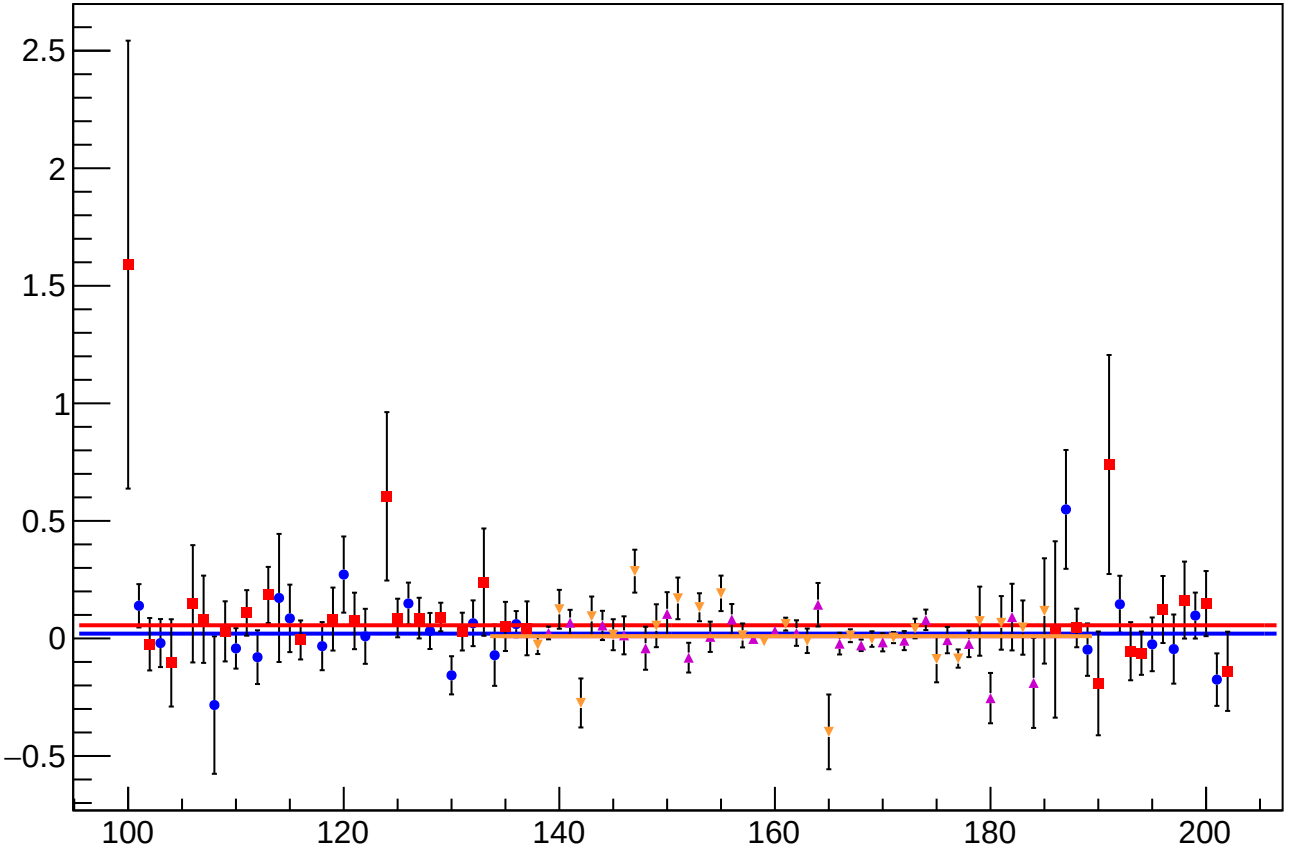
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 33.408+/-0.006 χ^2/NDF: 18910797.9/47

All: 31.847+/-0.004 χ^2/NDF: 40869870.7/99

- sign 30.453+/-0.005 χ^2/NDF: 21810586.1/51

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.022 χ^2/NDF: 25.4/22

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.056+/-0.022 χ^2/NDF: 18.2/28

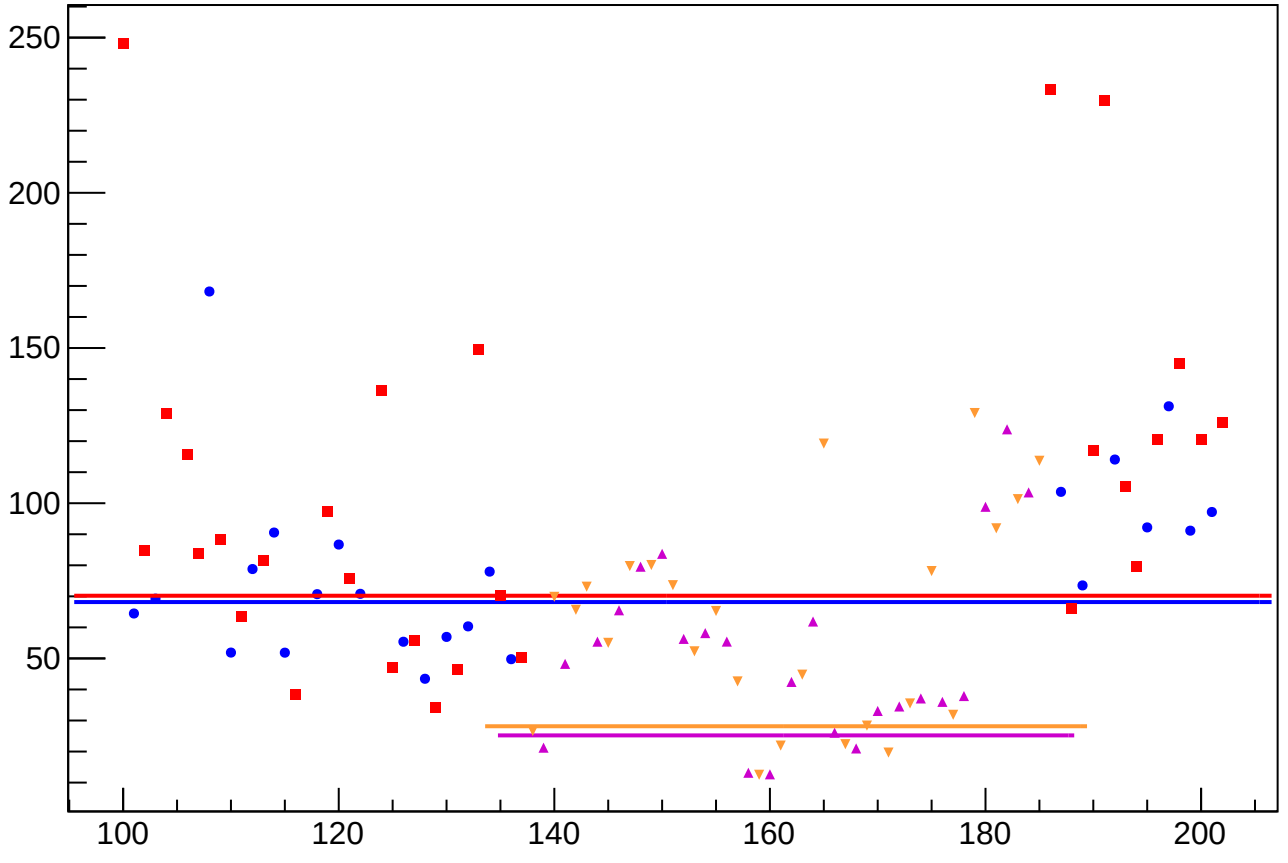
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 80.2/47

All: 0.013+/-0.005 χ^2/NDF: 127.7/99

- sign 0.015+/-0.007 χ^2/NDF: 47.4/51

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.159+/-0.015 χ^2/NDF: 1959344.9/22

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.197+/-0.015 χ^2/NDF: 4326043.5/28

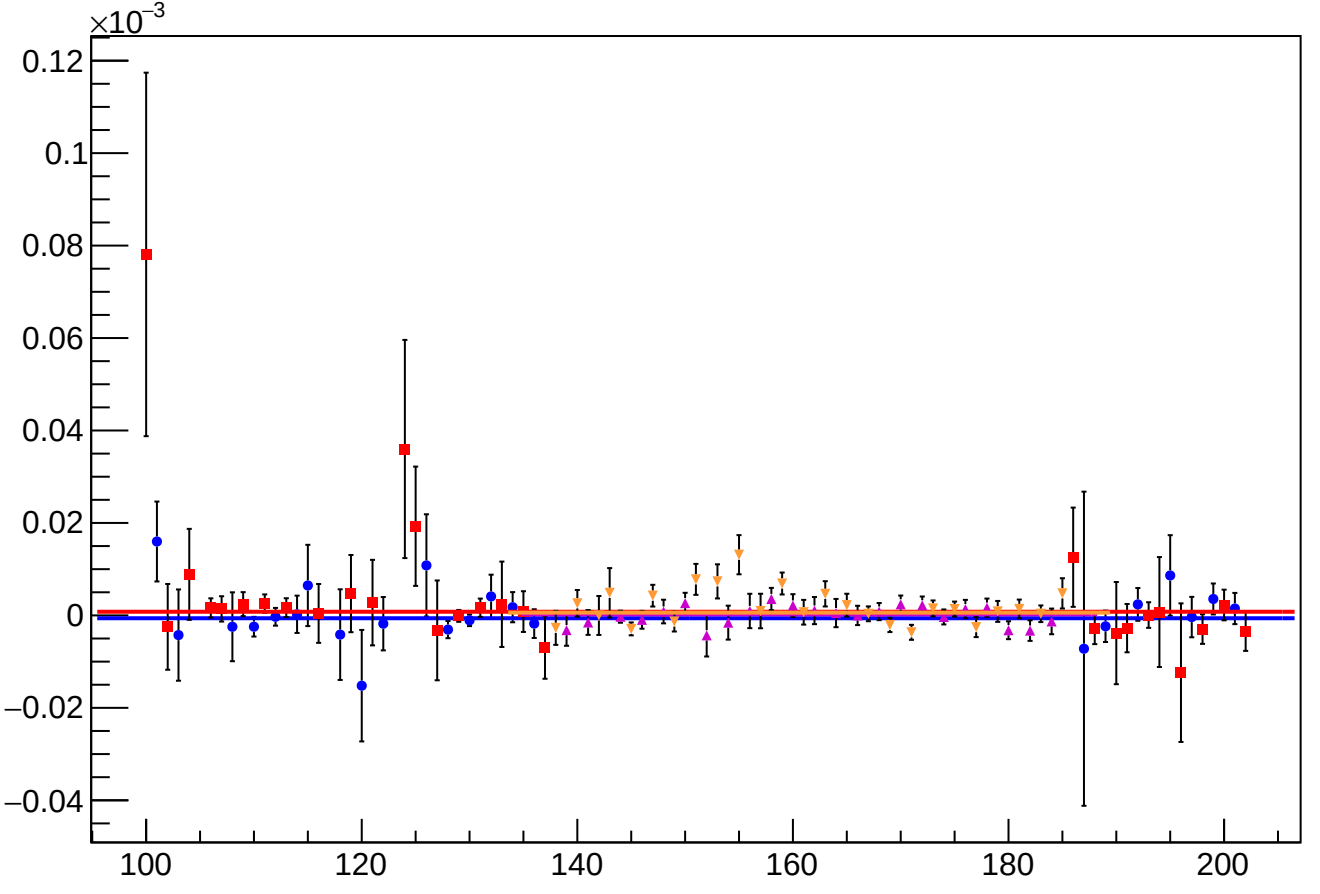
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 33.408+/-0.006 χ^2/NDF: 18910797.9/47

All: 31.847+/-0.004 χ^2/NDF: 40869870.7/99

- sign 30.453+/-0.005 χ^2/NDF: 21810586.1/51

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/28

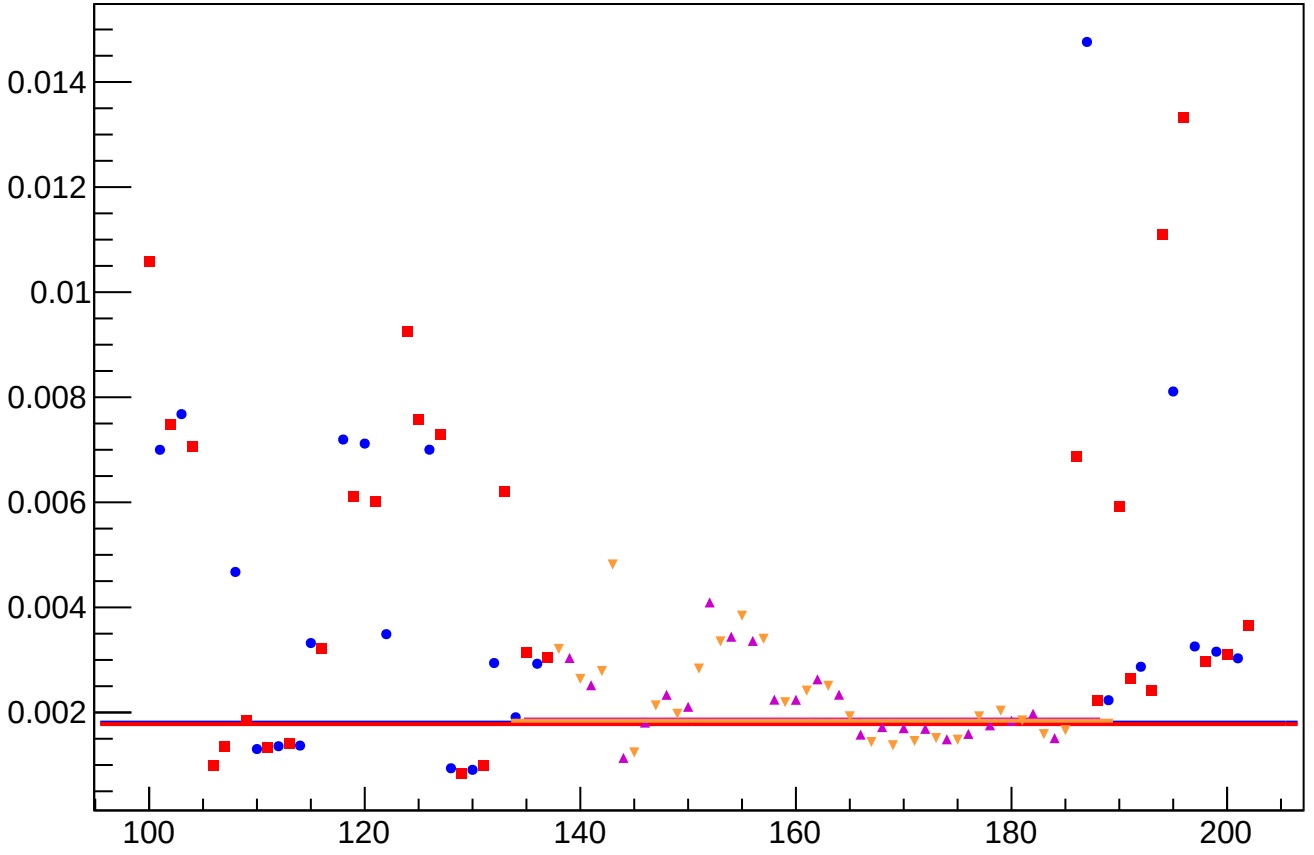
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.3/47

All: 0.000+/-0.000 χ^2/NDF: 106.9/99

- sign 0.000+/-0.000 χ^2/NDF: 36.4/51

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7834340.3/22

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10585546.2/28

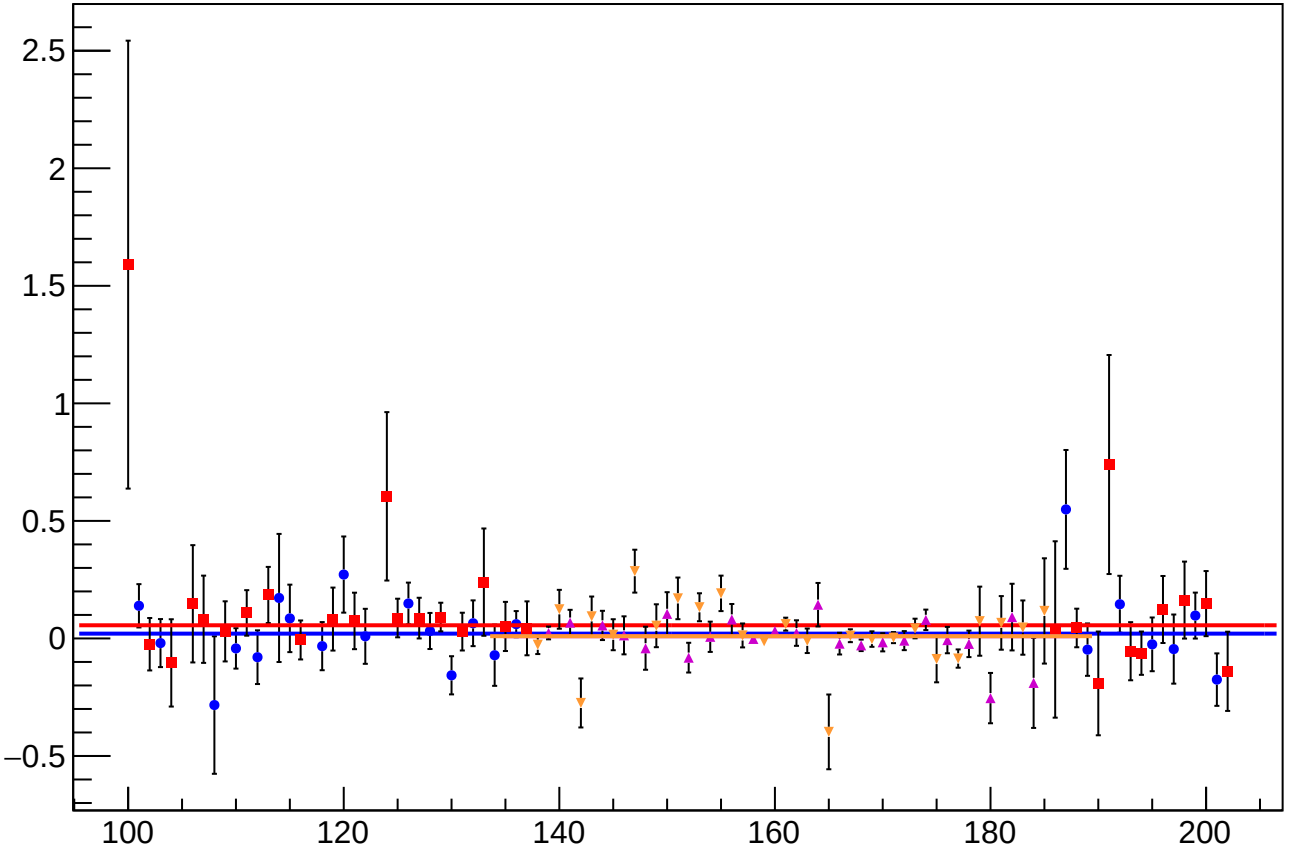
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 11621756.0/47

All: 0.002+/-0.000 χ^2/NDF: 25026400.6/99

- sign 0.002+/-0.000 χ^2/NDF: 13404591.7/51

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.022 χ^2/NDF: 25.4/22

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.056+/-0.022 χ^2/NDF: 18.2/28

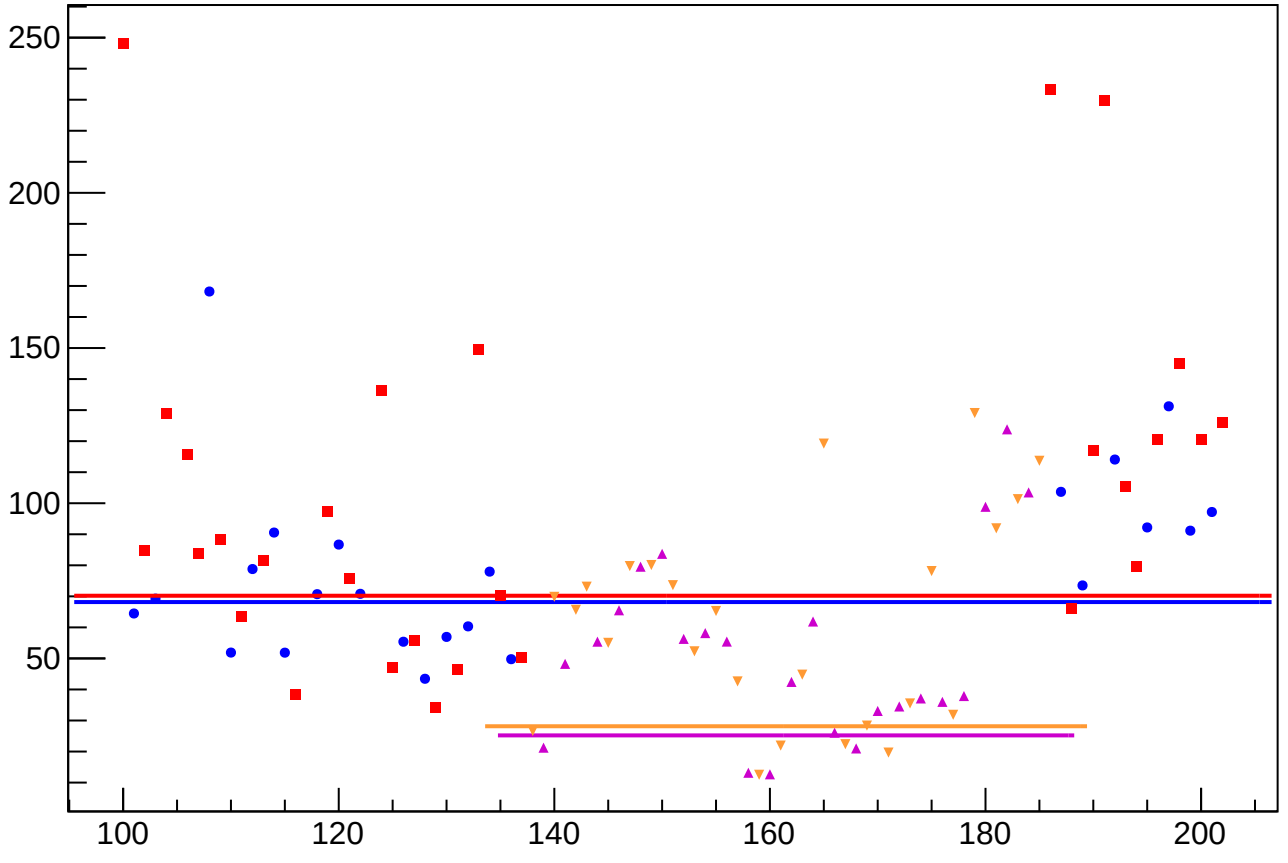
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 80.2/47

All: 0.013+/-0.005 χ^2/NDF: 127.7/99

- sign 0.015+/-0.007 χ^2/NDF: 47.4/51

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.160+/-0.015 χ^2/NDF: 1959325.7/22

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

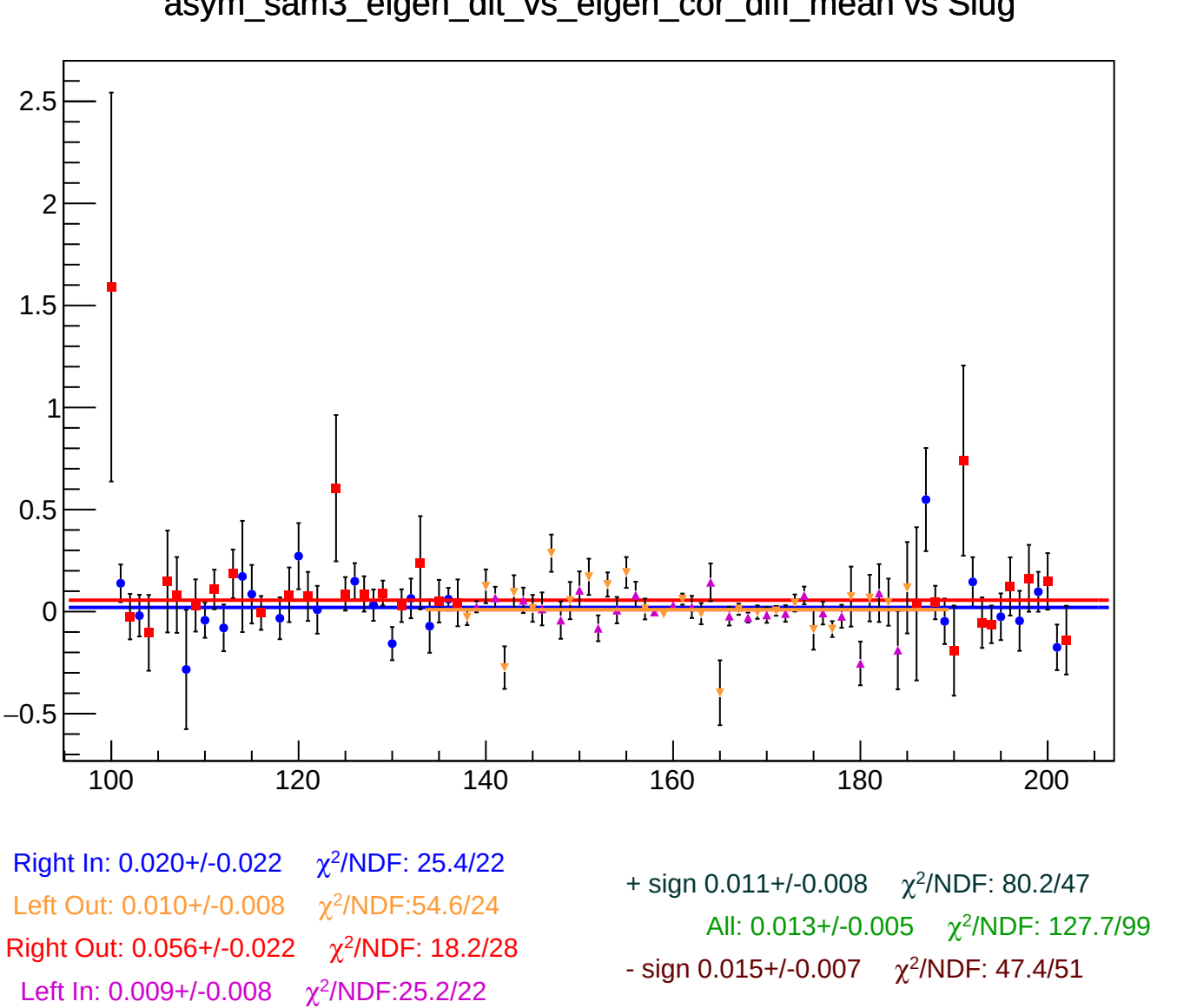
Right Out: 70.198+/-0.015 χ^2/NDF: 4326062.7/28

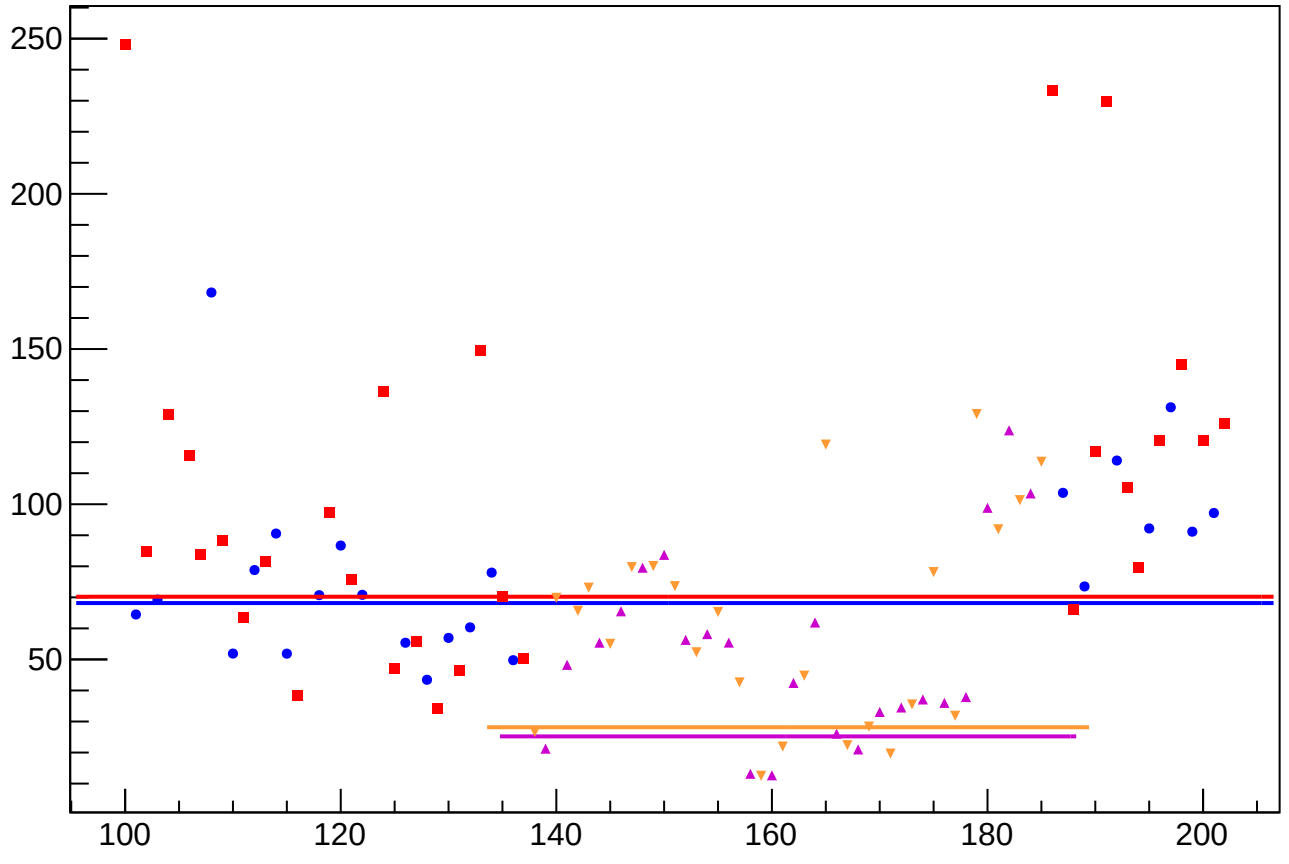
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 33.407+/-0.006 χ^2/NDF: 18912295.2/47

All: 31.846+/-0.004 χ^2/NDF: 40872122.7/99

- sign 30.453+/-0.005 χ^2/NDF: 21811425.2/51


asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2.5
2
1.5
1
0.5
0
−0.5
100
120
140
160
180
200
Right In: 0.020+/-0.022 χ²/NDF: 25.4/22
Left Out: 0.010+/-0.008 χ²/NDF:54.6/24
Right Out: 0.056+/-0.022 χ²/NDF: 18.2/28
Left In: 0.009+/-0.008 χ²/NDF:25.2/22
+ sign 0.011+/-0.008 χ²/NDF: 80.2/47
All: 0.013+/-0.005 χ²/NDF: 127.7/99
- sign 0.015+/-0.007 χ²/NDF: 47.4/51



Right In: 68.160+/-0.015 χ^2/NDF: 1959325.7/22

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

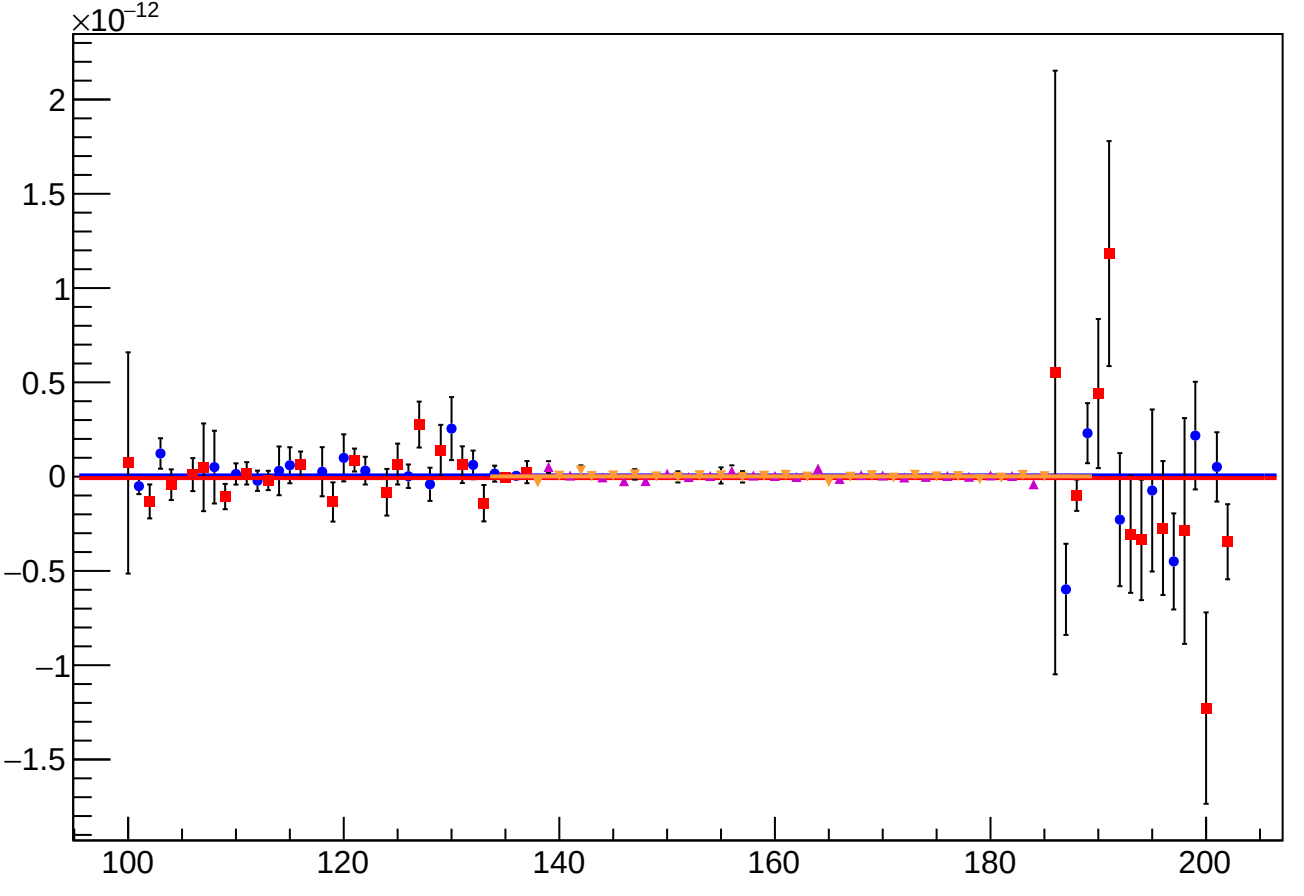
Right Out: 70.198+/-0.015 χ^2/NDF: 4326062.7/28

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 33.407+/-0.006 χ^2/NDF: 18912295.2/47

All: 31.846+/-0.004 χ^2/NDF: 40872122.7/99

- sign 30.453+/-0.005 χ^2/NDF: 21811425.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

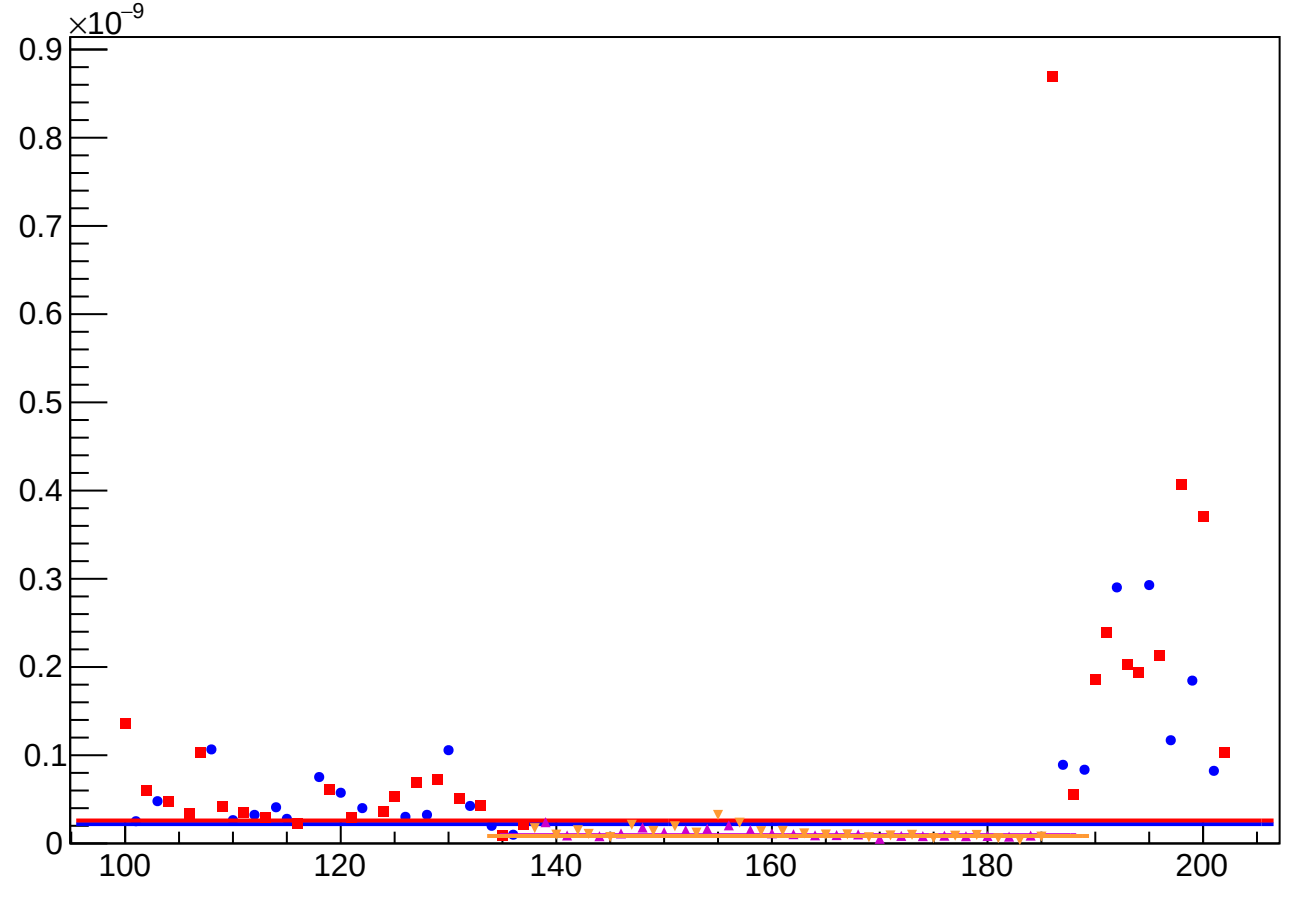
Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/28

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.3/47

All: 0.000+/-0.000 χ^2/NDF: 91.5/99

- sign 0.000+/-0.000 χ^2/NDF: 59.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 6716697.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8800124.4/28

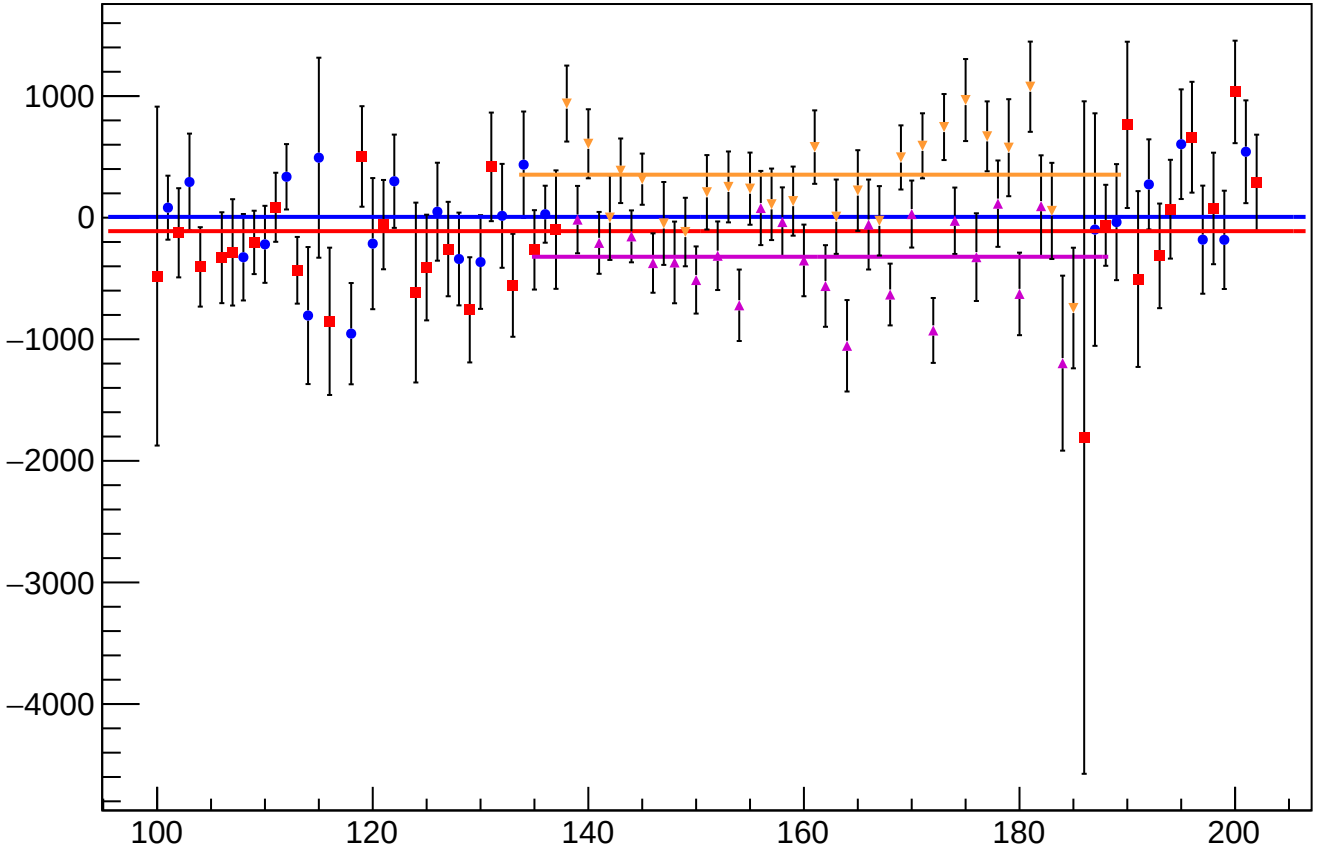
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13444754.4/47

All: 0.000+/-0.000 χ^2/NDF: 27525560.0/99

- sign 0.000+/-0.000 χ^2/NDF: 13939115.2/51

reg_asym_sam4_mean vs Slug



Right In: 6.472+/-80.003 χ^2/NDF: 19.0/22

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -110.847+/-75.451 χ^2/NDF: 27.3/28

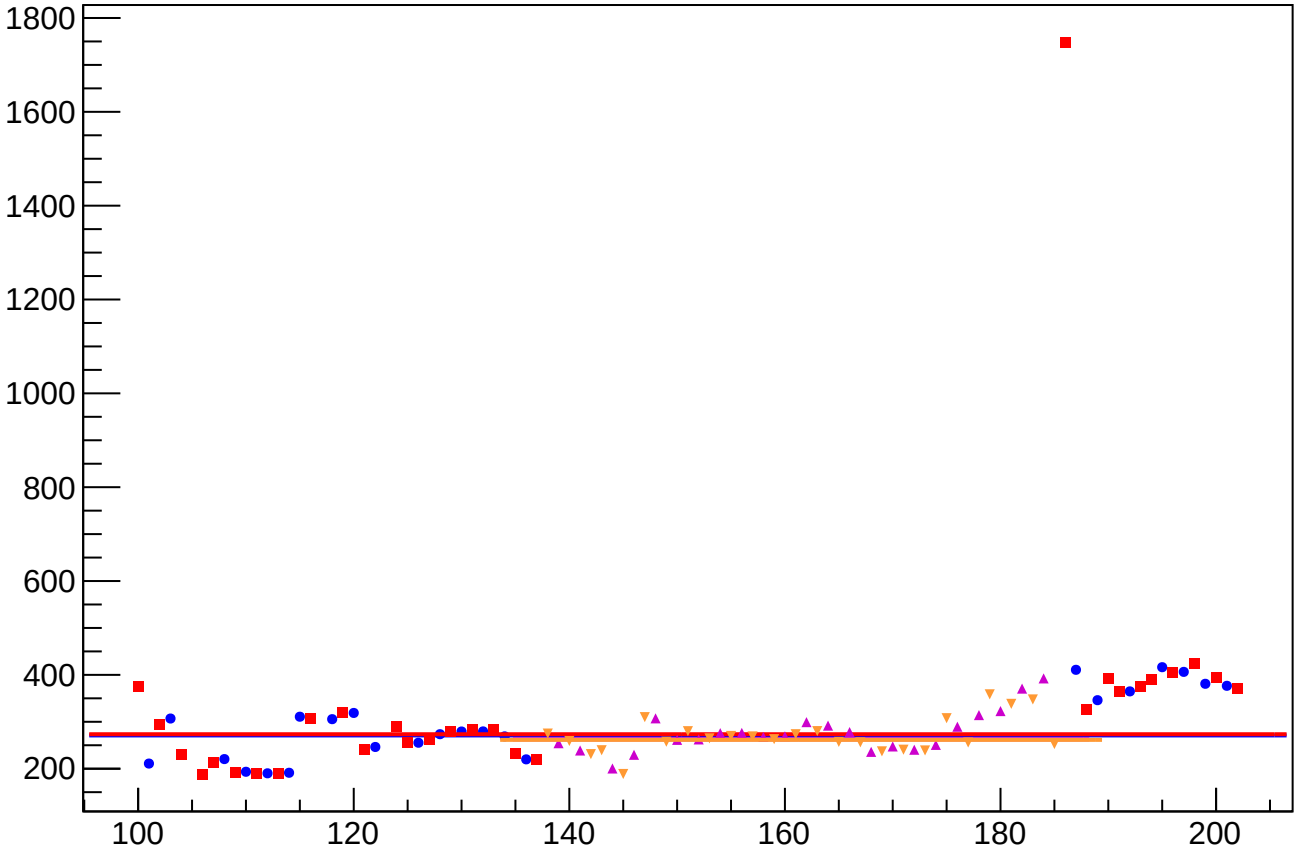
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 228.254+/-48.077 χ^2/NDF: 63.4/47

All: -4.673+/-33.952 χ^2/NDF: 168.4/99

- sign -236.413+/-47.954 χ^2/NDF: 58.2/51

reg_asym_sam4_rms vs Slug



Right In: 270.922+/-0.057 χ^2/NDF: 1530165.3/22

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.482+/-0.053 χ^2/NDF: 2519995.5/28

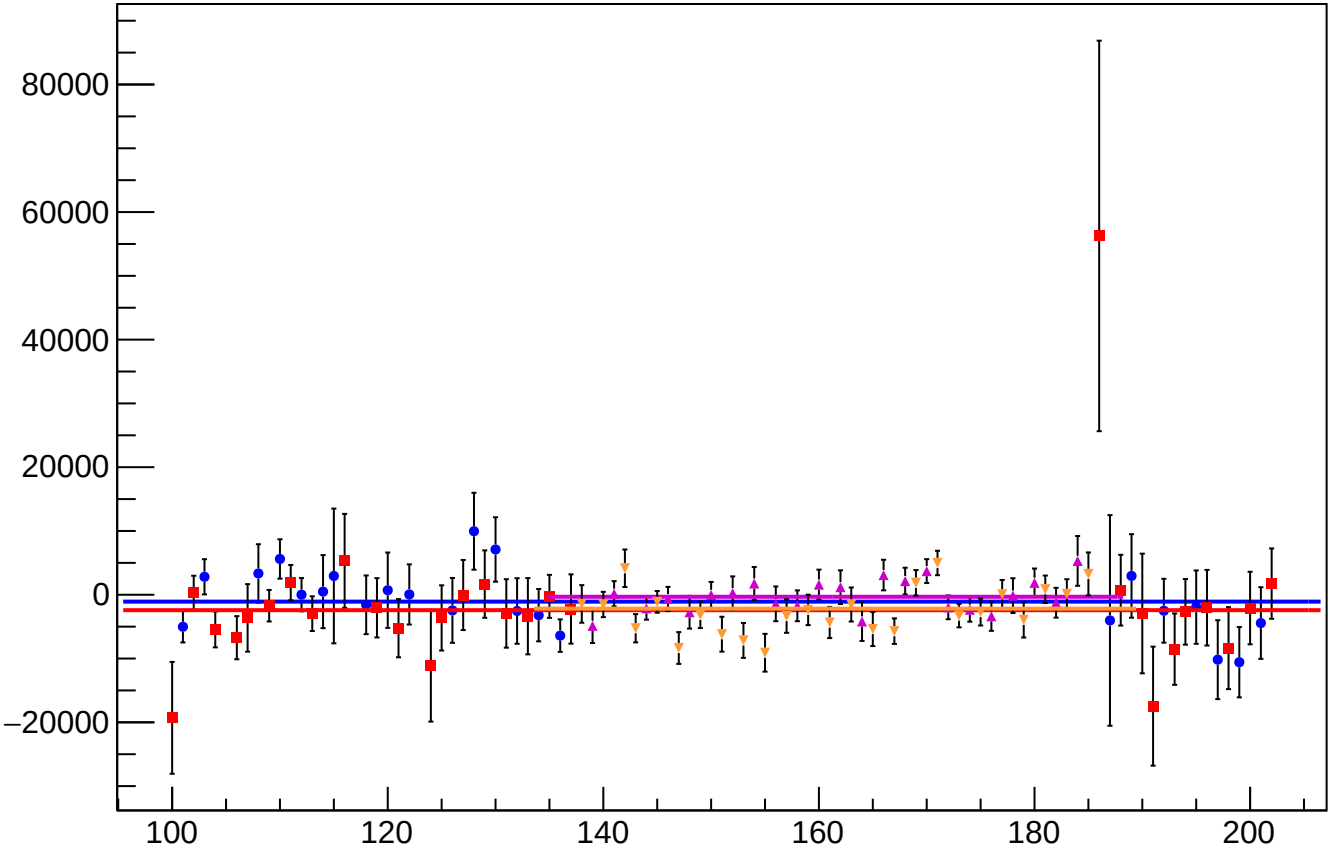
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 264.883+/-0.034 χ^2/NDF: 2263469.0/47

All: 265.947+/-0.024 χ^2/NDF: 5480788.5/99

- sign 267.005+/-0.034 χ^2/NDF: 3215365.8/51

asym_sam4_reg_correction_mean vs Slug



Right In: -1075.503+/-876.455 χ^2/NDF: 27.5/22

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2416.223+/-818.302 χ^2/NDF: 23.1/28

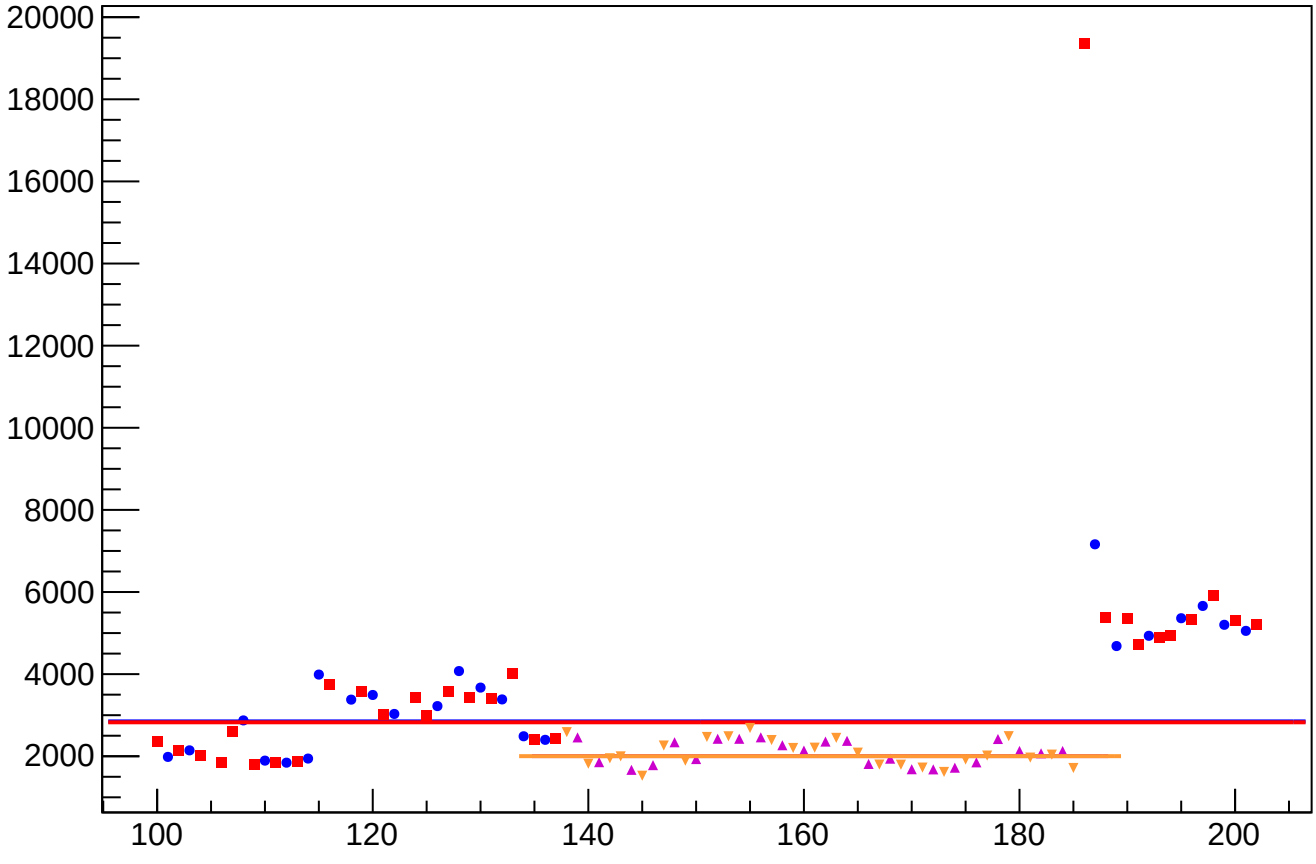
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1933.735+/-408.453 χ^2/NDF: 84.3/47

All: -1390.264+/-289.440 χ^2/NDF: 139.6/99

- sign -842.095+/-410.214 χ^2/NDF: 51.7/51

asym_sam4_reg_correction_rms vs Slug



Right In: 2848.711+/-0.620 χ^2/NDF: 3347242.3/22

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2827.055+/-0.579 χ^2/NDF: 5048161.3/28

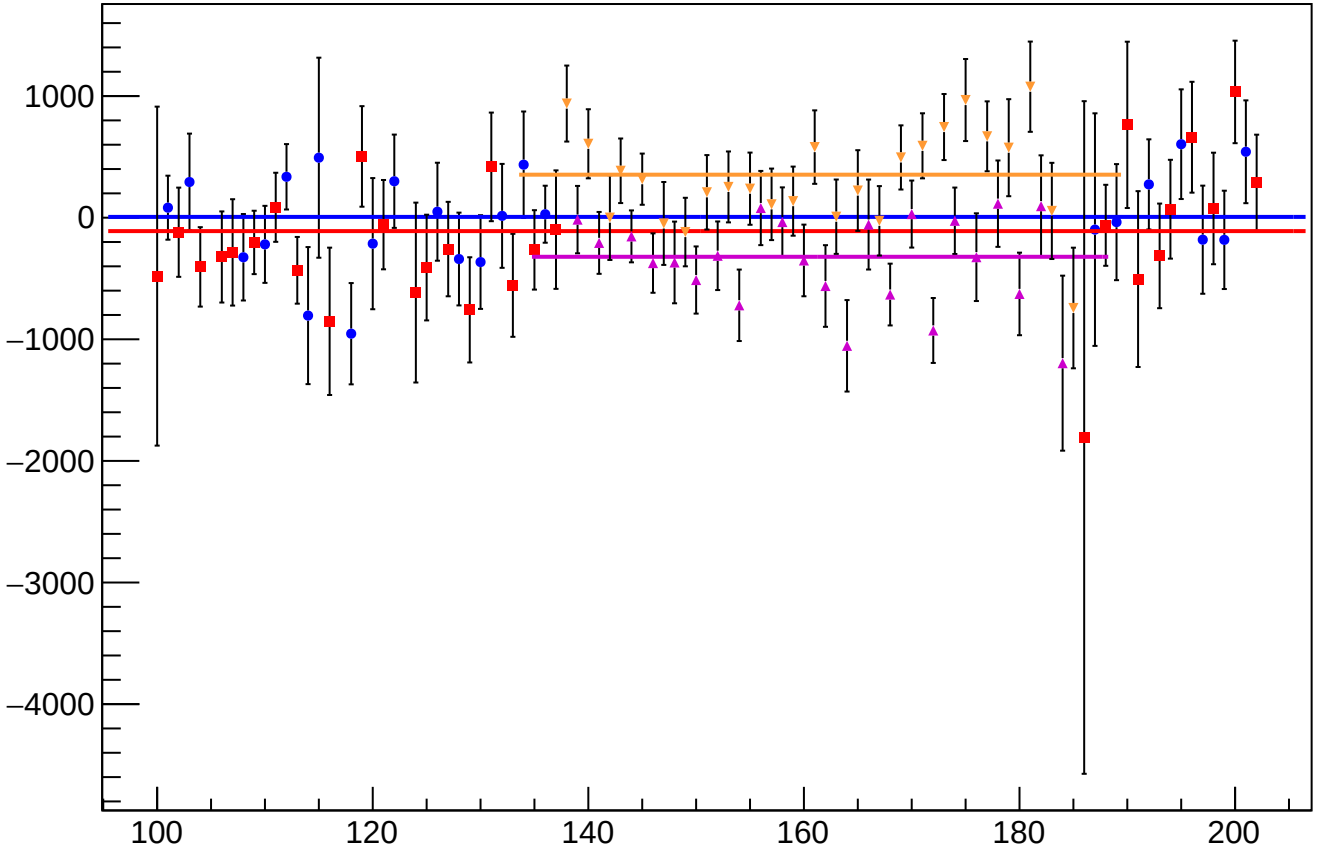
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2186.070+/-0.289 χ^2/NDF: 5700332.9/47

All: 2198.490+/-0.205 χ^2/NDF: 12971075.3/9

- sign 2211.017+/-0.290 χ^2/NDF: 7267028.0/51

cor_asym_sam4_mean vs Slug



Right In: 6.452+/-80.003 χ^2/NDF: 19.0/22

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -110.349+/-75.460 χ^2/NDF: 27.3/28

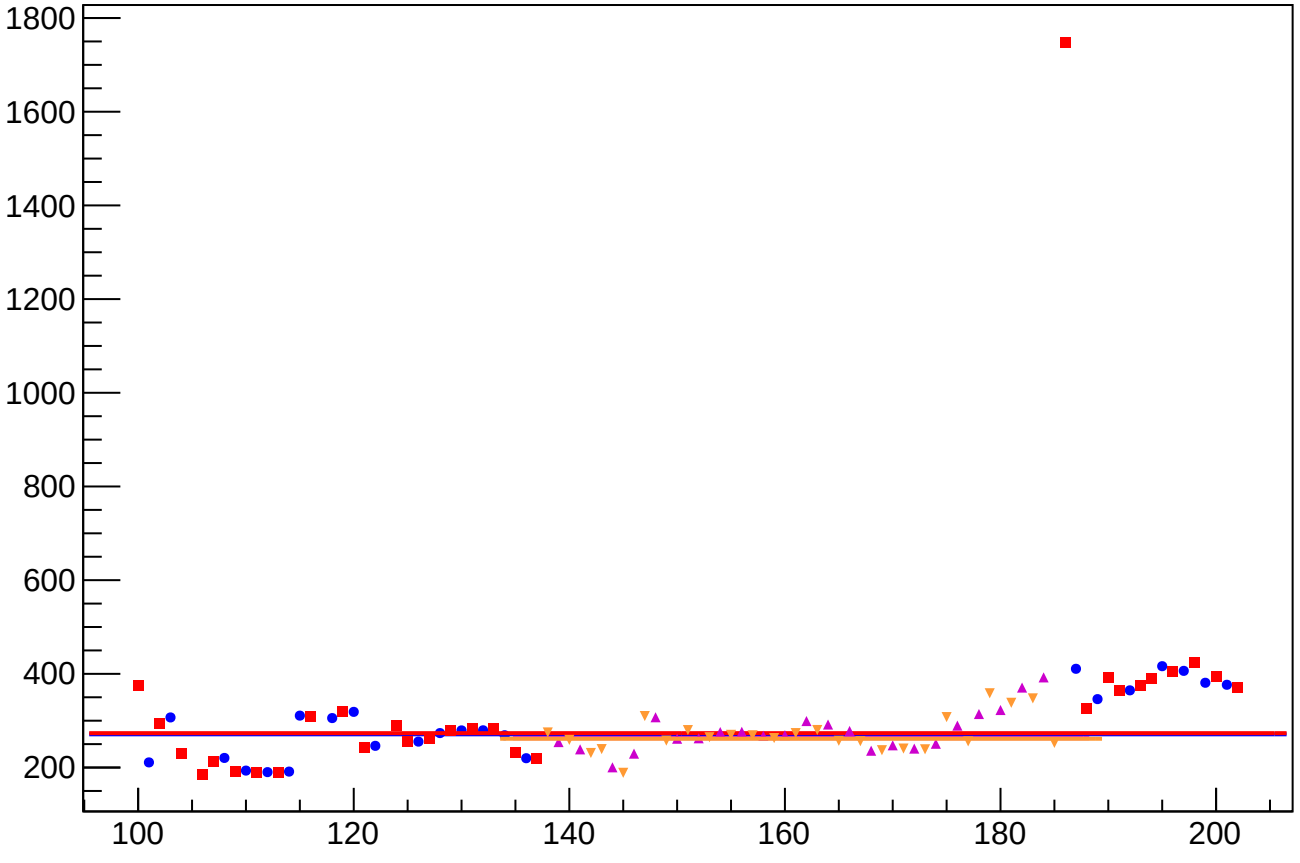
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

\+ sign 228.262+/-48.077 χ^2/NDF: 63.4/47

All: -4.565+/-33.953 χ^2/NDF: 168.4/99

\- sign -236.226+/-47.956 χ^2/NDF: 58.2/51

cor_asym_sam4_rms vs Slug



Right In: 270.922+/-0.057 χ^2/NDF: 1530166.7/22

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.401+/-0.053 χ^2/NDF: 2525832.3/28

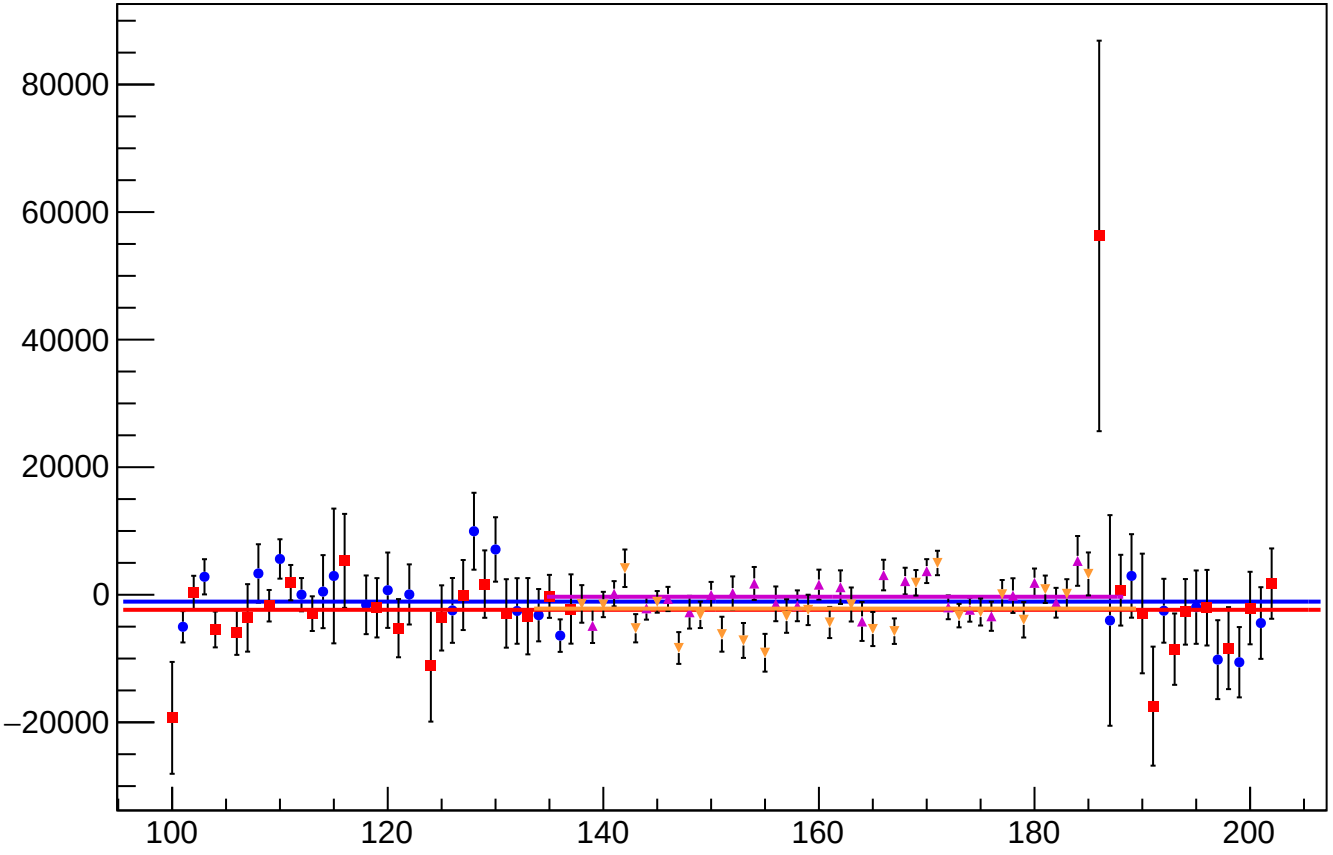
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 264.883+/-0.034 χ^2/NDF: 2263470.7/47

All: 265.930+/-0.024 χ^2/NDF: 5486196.7/99

- sign 266.972+/-0.034 χ^2/NDF: 3220833.2/51

asym_sam4_cor_correction_mean vs Slug



Right In: -1075.653+/-876.462 χ^2/NDF: 27.5/22

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2360.616+/-819.597 χ^2/NDF: 22.5/28

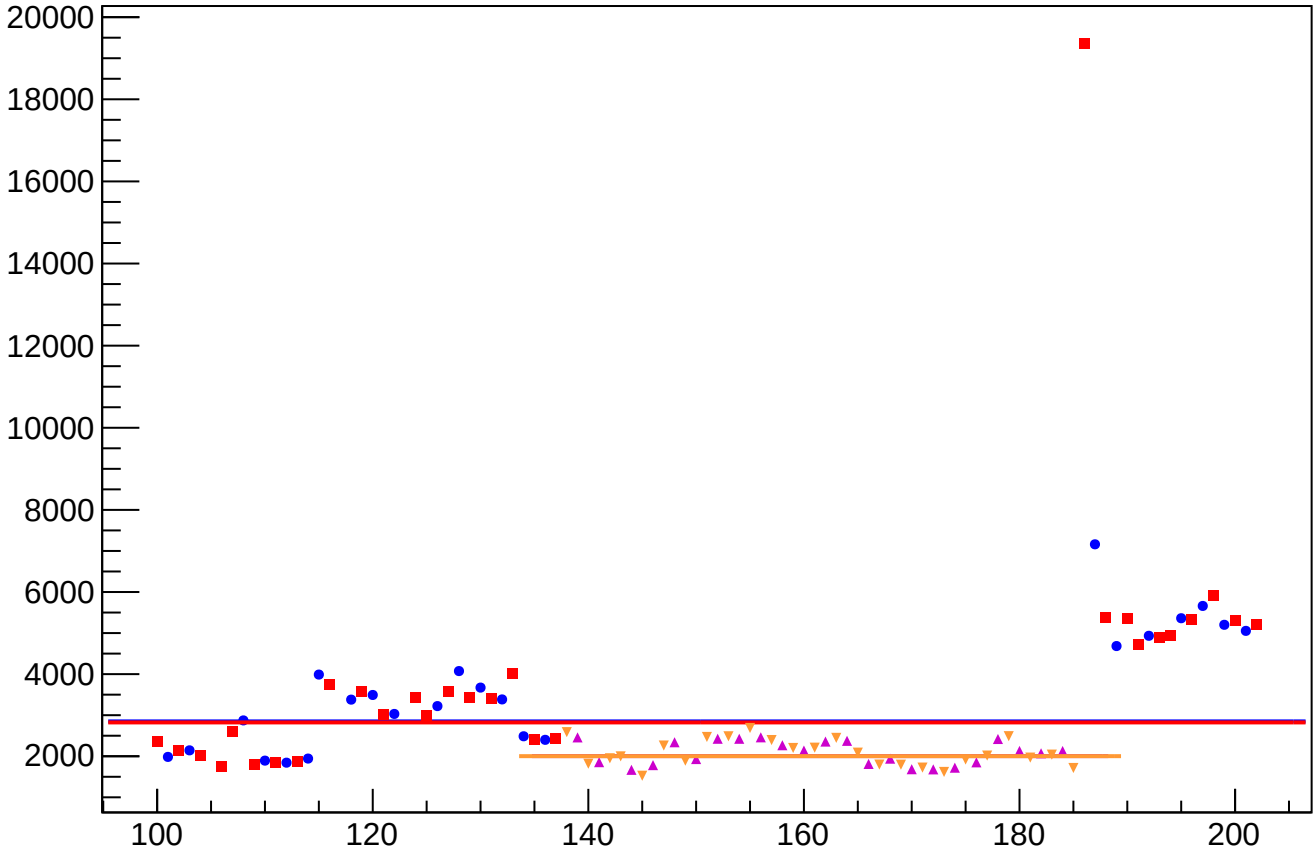
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1933.747+/-408.454 χ^2/NDF: 84.3/47

All: -1382.928+/-289.498 χ^2/NDF: 138.8/99

- sign -826.908+/-410.377 χ^2/NDF: 50.9/51

asym_sam4_cor_correction_rms vs Slug



Right In: 2848.738+/-0.620 χ^2/NDF: 3347163.0/22

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2823.976+/-0.580 χ^2/NDF: 5077110.5/28

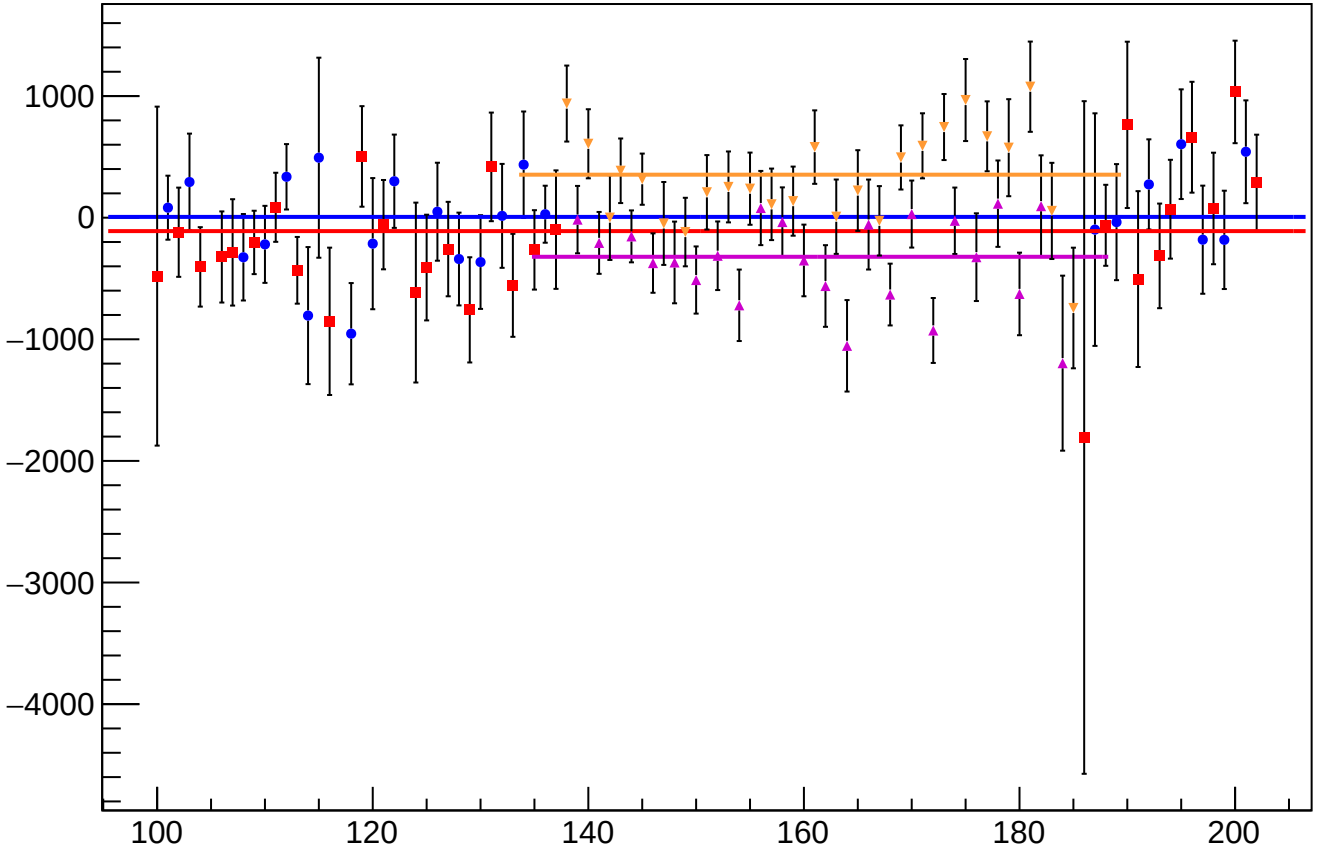
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2186.074+/-0.289 χ^2/NDF: 5700328.7/47

All: 2197.859+/-0.205 χ^2/NDF: 12984784.9/9

- sign 2209.756+/-0.290 χ^2/NDF: 7281110.2/51

eigen_cor_asym_sam4_mean vs Slug



Right In: 6.452+/-80.003 χ^2/NDF: 19.0/22

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -110.349+/-75.460 χ^2/NDF: 27.3/28

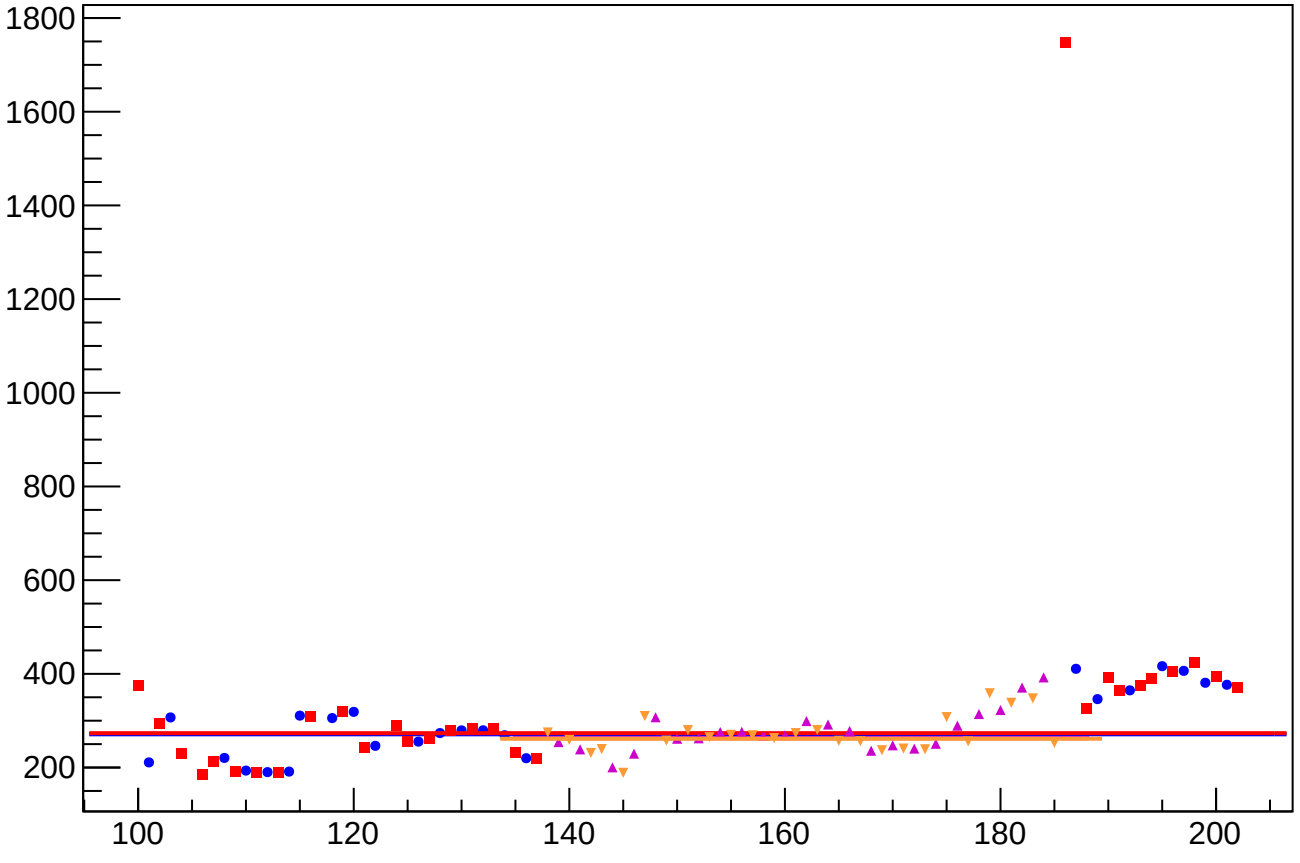
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

\+ sign 228.262+/-48.077 χ^2/NDF: 63.4/47

All: -4.565+/-33.953 χ^2/NDF: 168.4/99

\- sign -236.226+/-47.956 χ^2/NDF: 58.2/51

eigen_cor_asym_sam4_rms vs Slug



Right In: 270.922+/-0.057 χ^2/NDF: 1530166.7/22

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.401+/-0.053 χ^2/NDF: 2525832.3/28

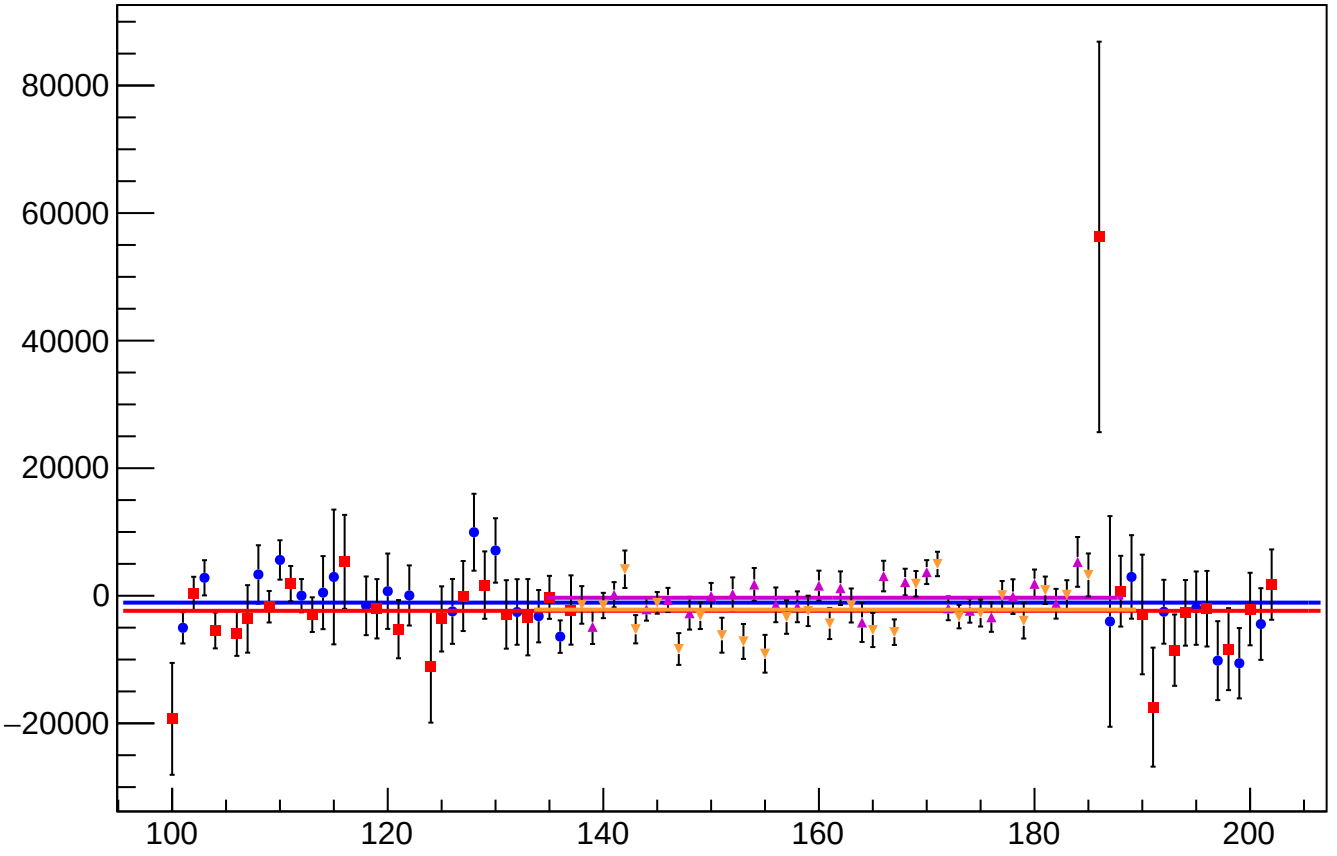
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 264.883+/-0.034 χ^2/NDF: 2263470.7/47

All: 265.930+/-0.024 χ^2/NDF: 5486196.7/99

- sign 266.972+/-0.034 χ^2/NDF: 3220833.2/51

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -1075.653+/-876.462 χ^2/NDF: 27.5/22

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2360.616+/-819.597 χ^2/NDF: 22.5/28

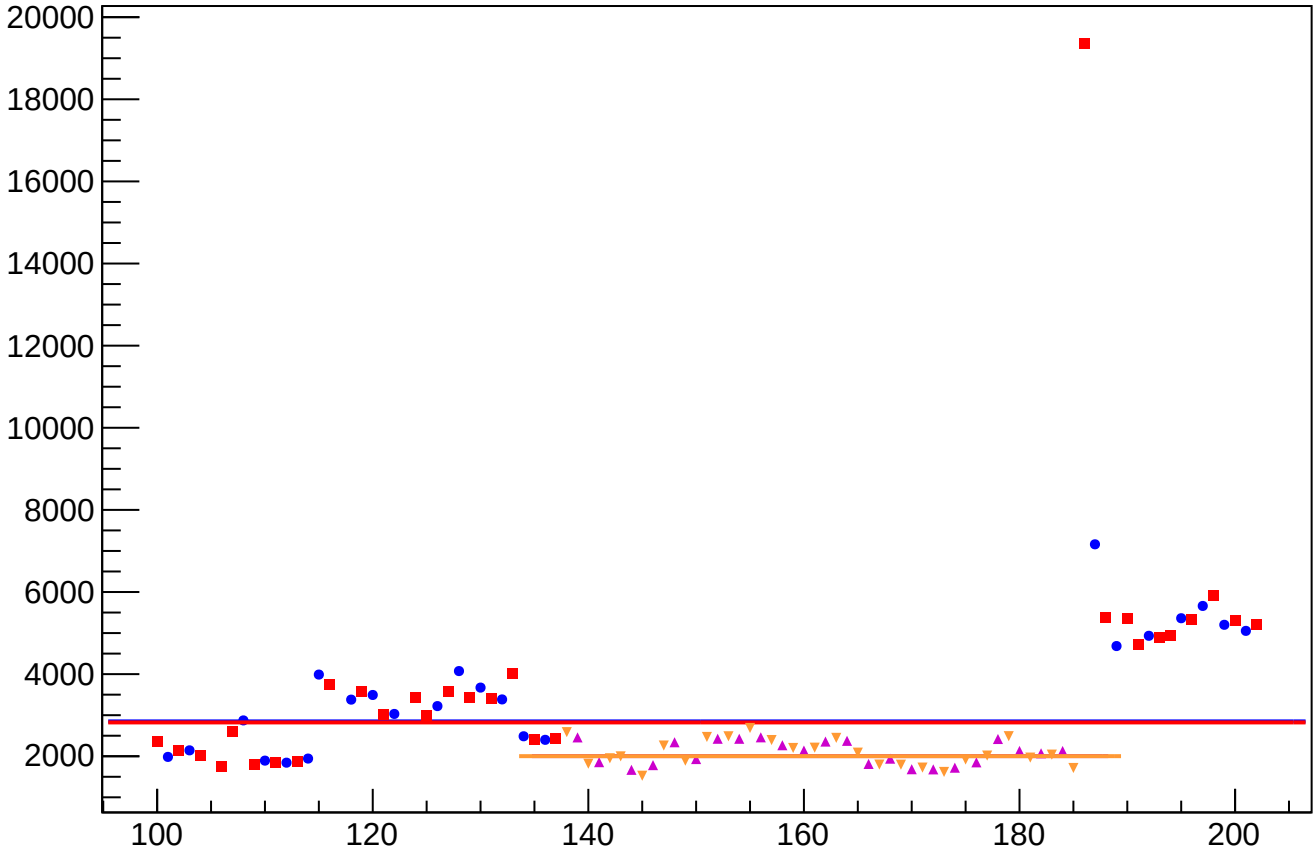
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1933.747+/-408.454 χ^2/NDF: 84.3/47

All: -1382.928+/-289.498 χ^2/NDF: 138.8/99

- sign -826.908+/-410.377 χ^2/NDF: 50.9/51

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2848.738+/-0.620 χ^2/NDF: 3347163.0/22

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2823.976+/-0.580 χ^2/NDF: 5077110.5/28

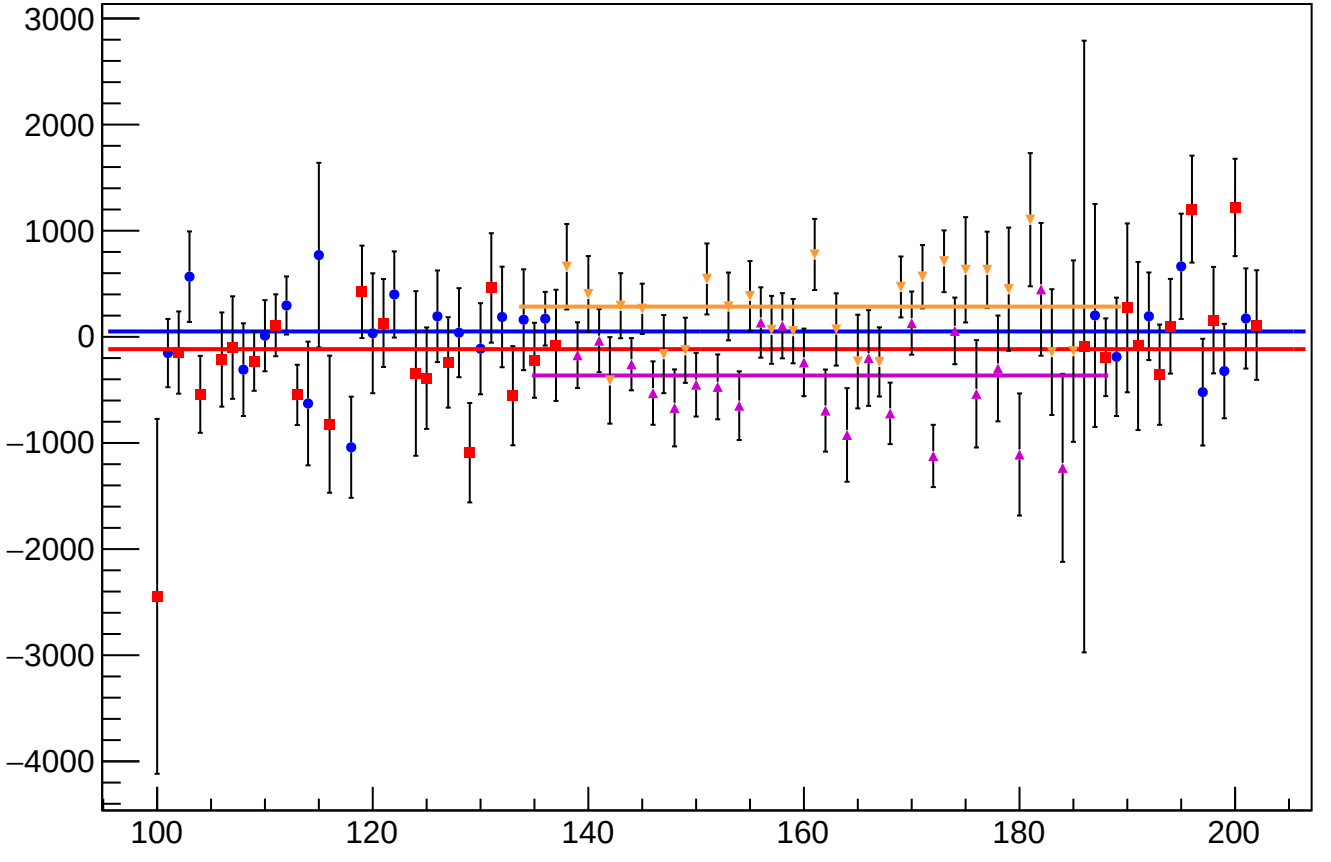
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2186.074+/-0.289 χ^2/NDF: 5700328.7/47

All: 2197.859+/-0.205 χ^2/NDF: 12984784.9/9

- sign 2209.756+/-0.290 χ^2/NDF: 7281110.2/51

dit_asym_sam4_mean vs Slug



Right In: 50.856+/-88.010 χ^2/NDF: 15.9/22

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -115.804+/-82.388 χ^2/NDF: 33.2/28

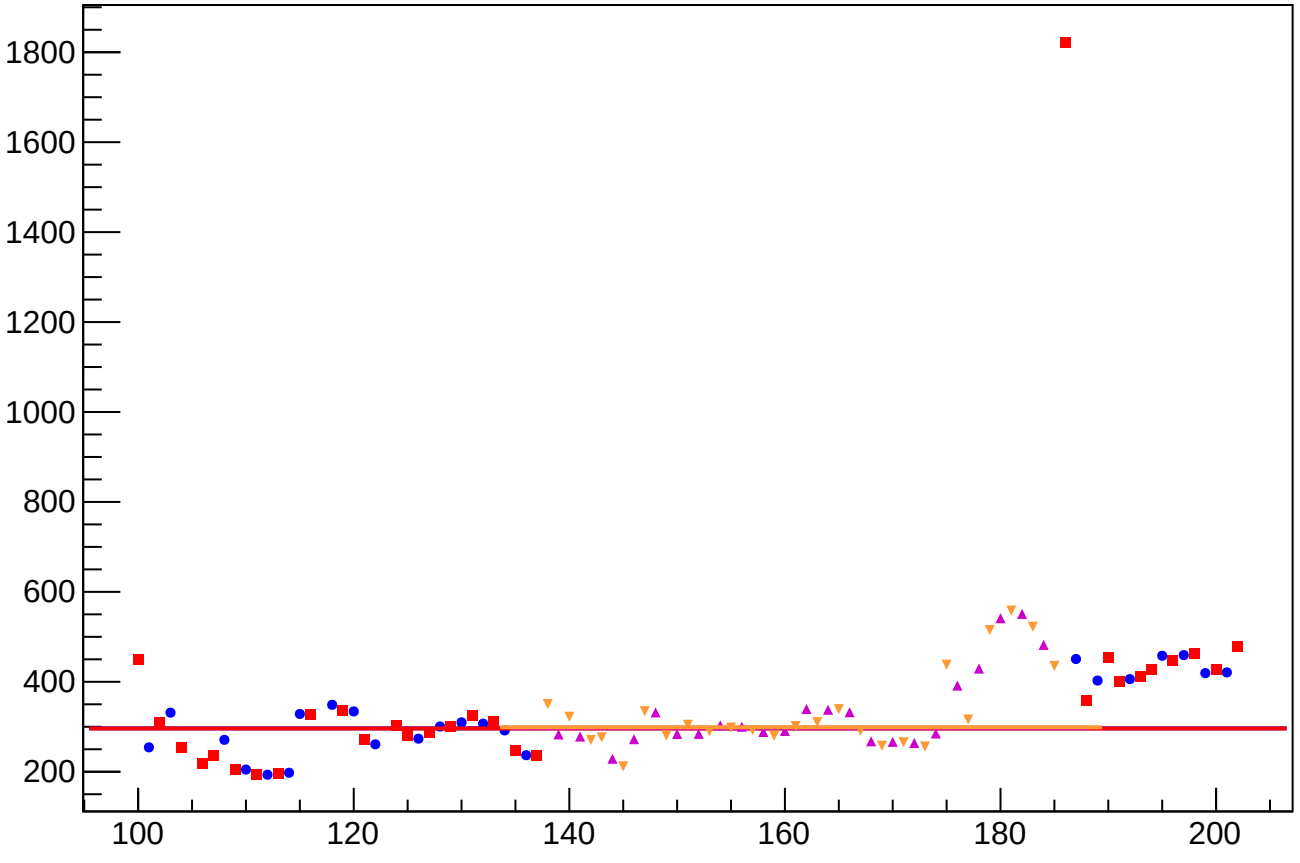
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 194.163+/-54.802 χ^2/NDF: 43.1/47

All: -34.412+/-38.497 χ^2/NDF: 144.0/99

- sign -257.105+/-54.092 χ^2/NDF: 66.6/51

dit_asym_sam4_rms vs Slug



Right In: 296.548+/-0.062 χ^2/NDF: 1686698.8/22

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 296.267+/-0.058 χ^2/NDF: 2798273.6/28

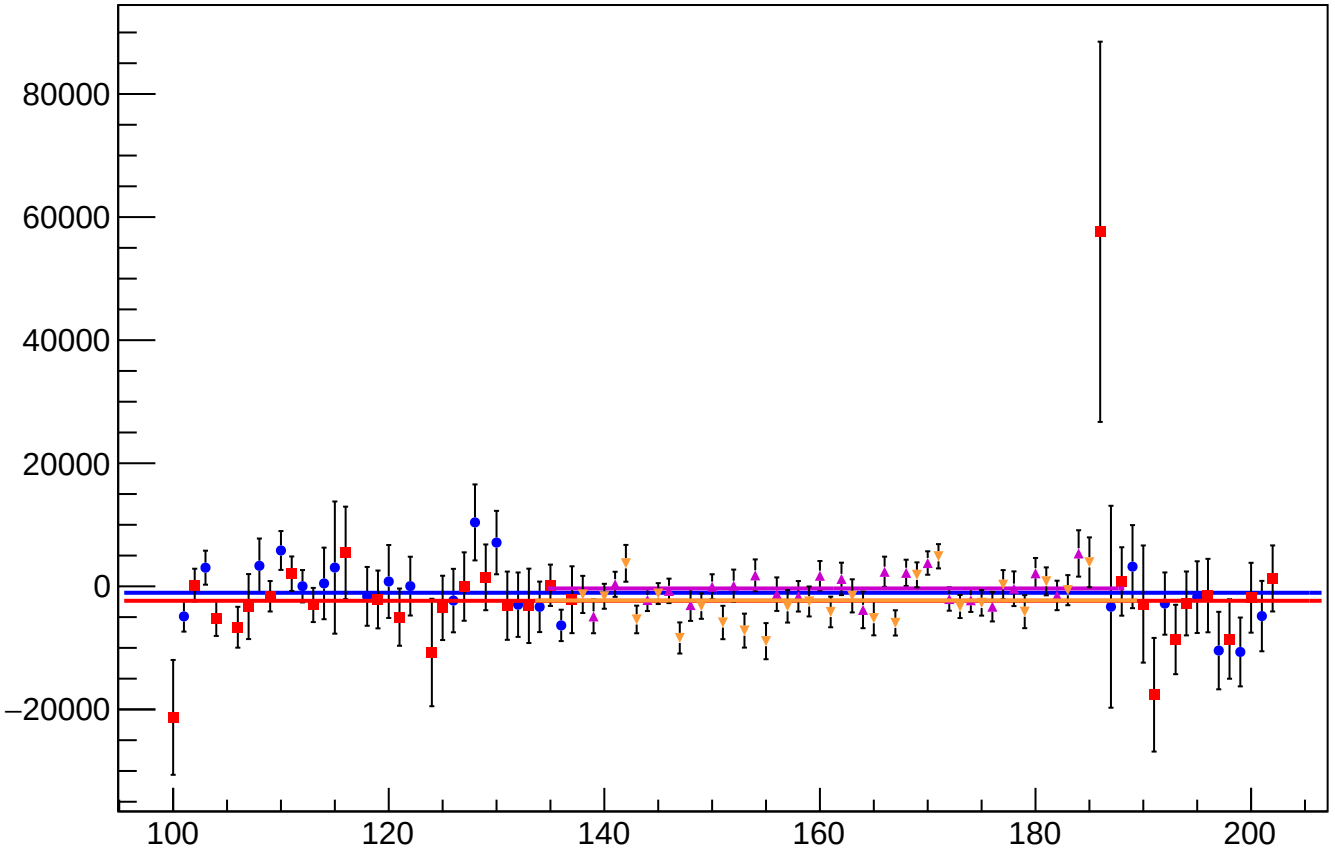
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 298.011+/-0.039 χ^2/NDF: 3300679.4/47

All: 297.594+/-0.027 χ^2/NDF: 7418682.9/99

- sign 297.188+/-0.038 χ^2/NDF: 4117774.7/51

asym_sam4_dit_correction_mean vs Slug



Right In: -1043.495+/-884.527 χ^2/NDF: 27.8/22

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2348.520+/-823.640 χ^2/NDF: 23.5/28

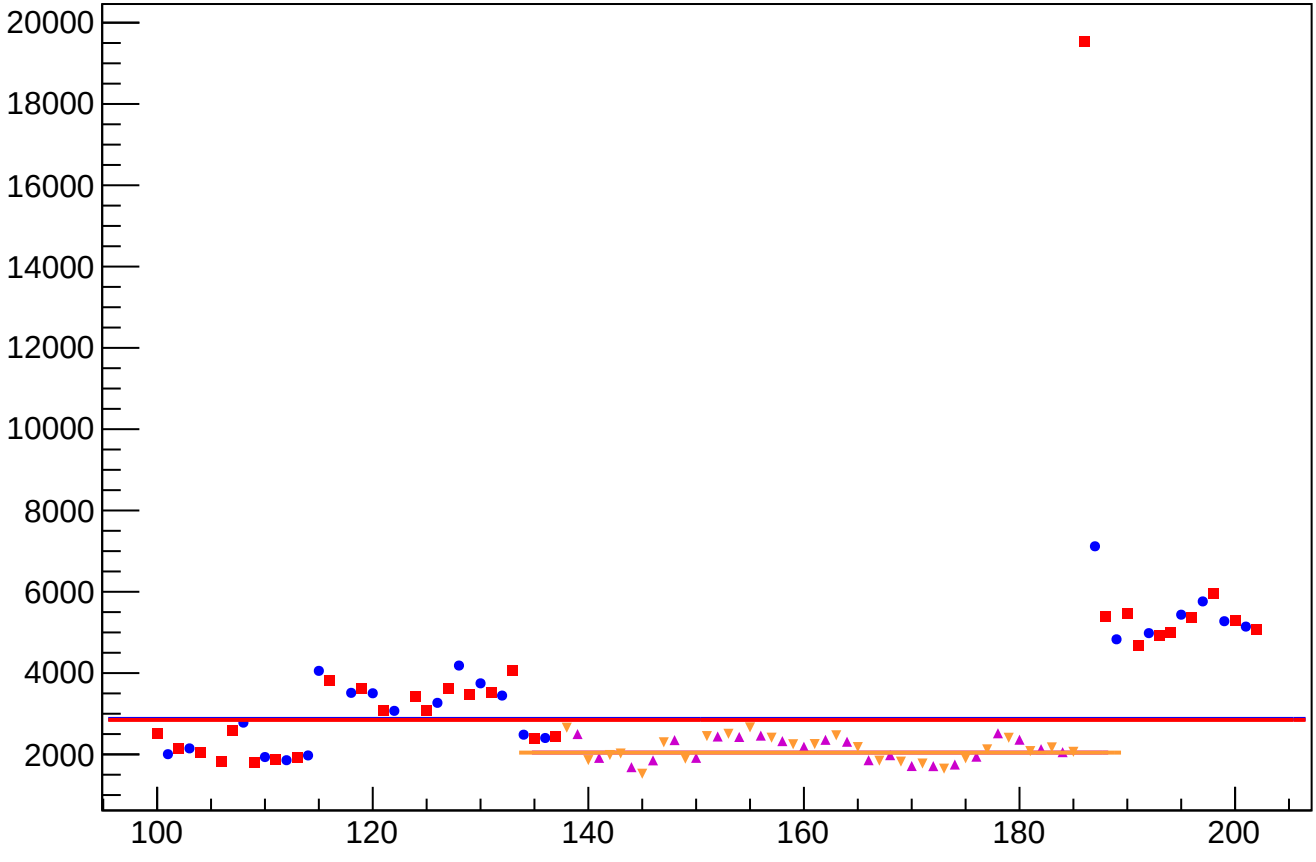
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2015.851+/-415.402 χ^2/NDF: 81.0/47

All: -1438.625+/-294.308 χ^2/NDF: 135.6/99

- sign -856.861+/-417.032 χ^2/NDF: 50.8/51

asym_sam4_dit_correction_rms vs Slug



Right In: 2872.395+/-0.625 χ^2/NDF: 3407676.5/22

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2848.378+/-0.582 χ^2/NDF: 5032119.0/28

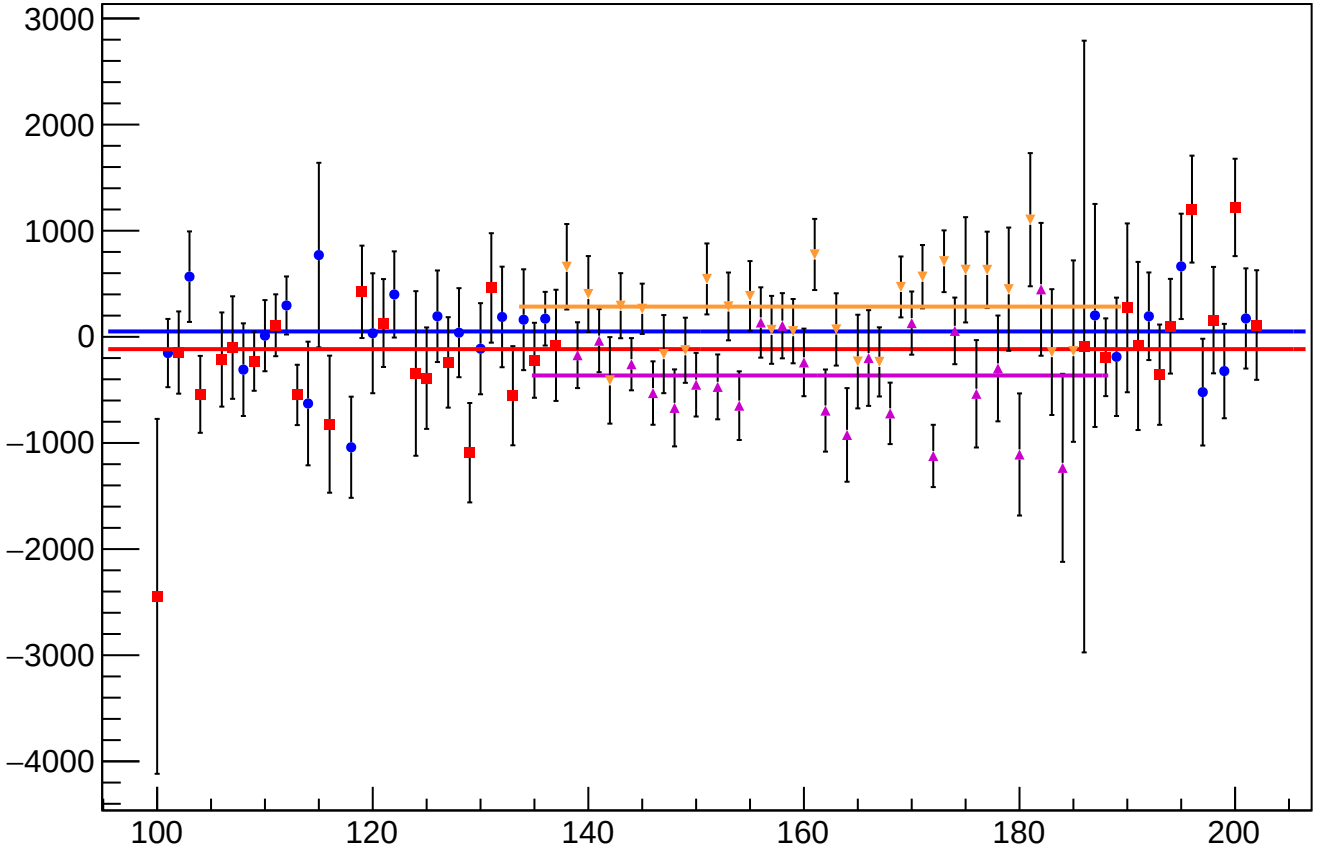
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2226.508+/-0.294 χ^2/NDF: 5629222.3/47

All: 2238.752+/-0.208 χ^2/NDF: 12769411.4/9

- sign 2251.093+/-0.295 χ^2/NDF: 7136699.9/51

eigen_dit_asym_sam4_mean vs Slug



Right In: 50.860+/-88.010 χ^2/NDF: 15.9/22

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -115.803+/-82.388 χ^2/NDF: 33.2/28

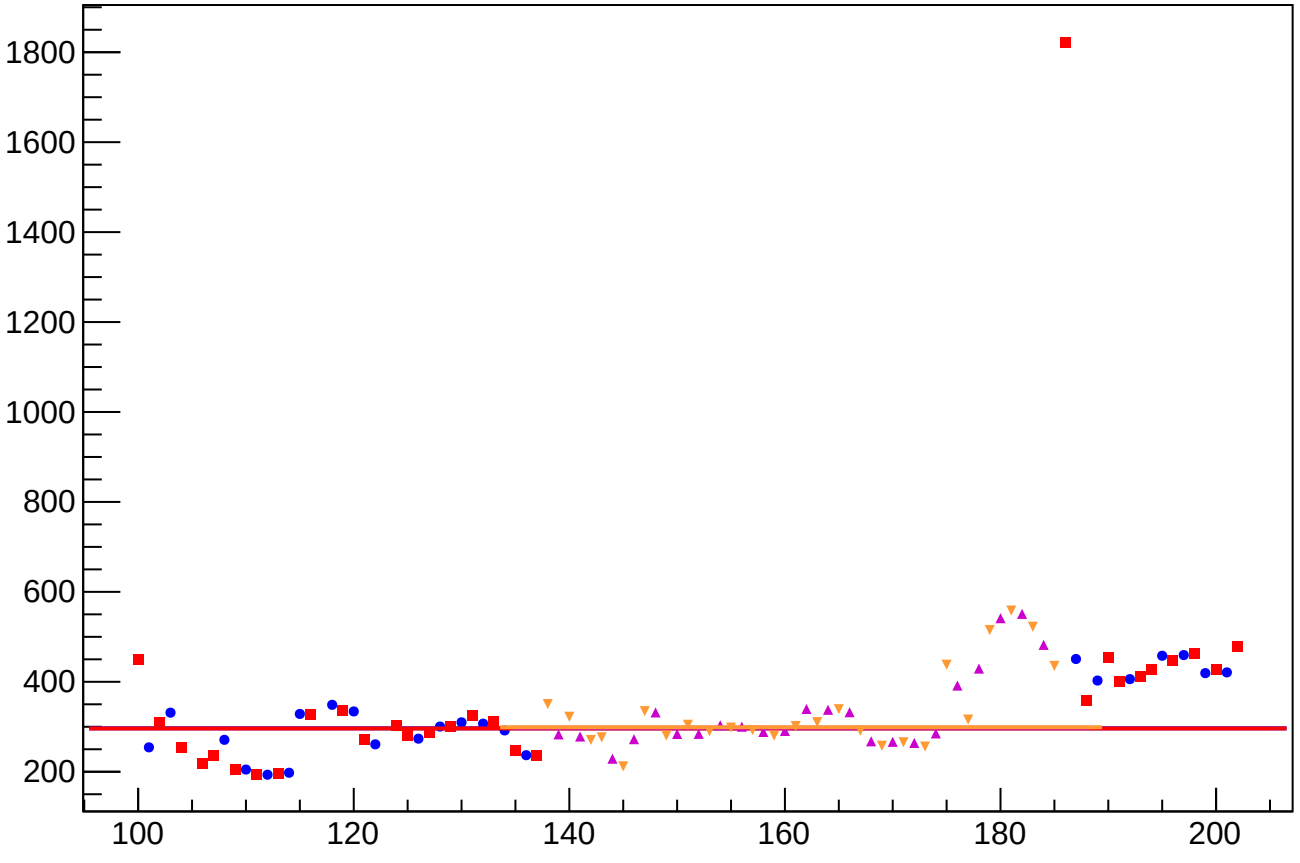
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 194.167+/-54.802 χ^2/NDF: 43.1/47

All: -34.410+/-38.497 χ^2/NDF: 144.0/99

- sign -257.105+/-54.092 χ^2/NDF: 66.6/51

eigen_dit_asym_sam4_rms vs Slug



Right In: 296.547+/-0.062 χ^2/NDF: 1686689.1/22

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 296.267+/-0.058 χ^2/NDF: 2798279.6/28

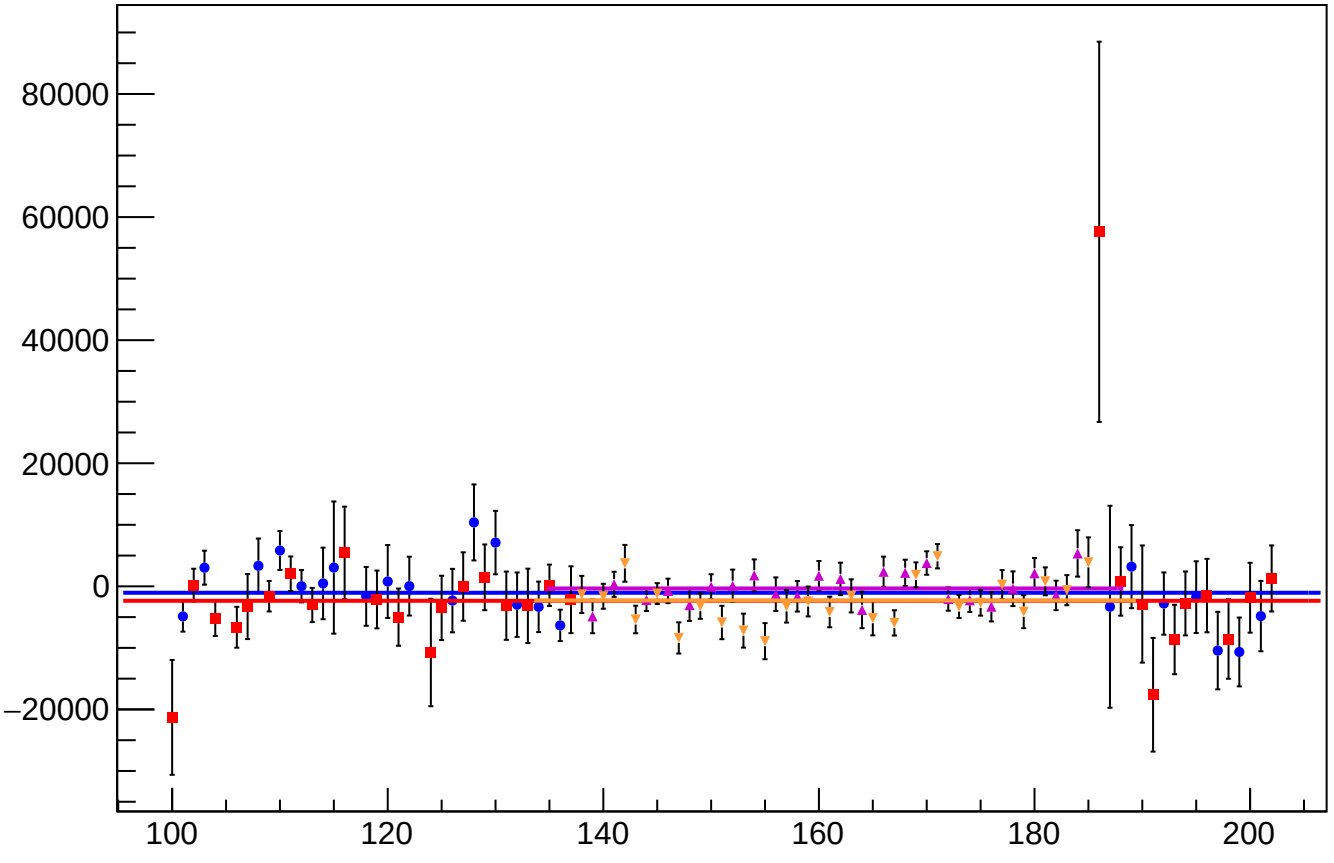
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 298.011+/-0.039 χ^2/NDF: 3300667.2/47

All: 297.594+/-0.027 χ^2/NDF: 7418658.5/99

- sign 297.188+/-0.038 χ^2/NDF: 4117762.5/51

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -1043.493+/-884.527 χ^2/NDF: 27.8/22

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2348.518+/-823.640 χ^2/NDF: 23.5/28

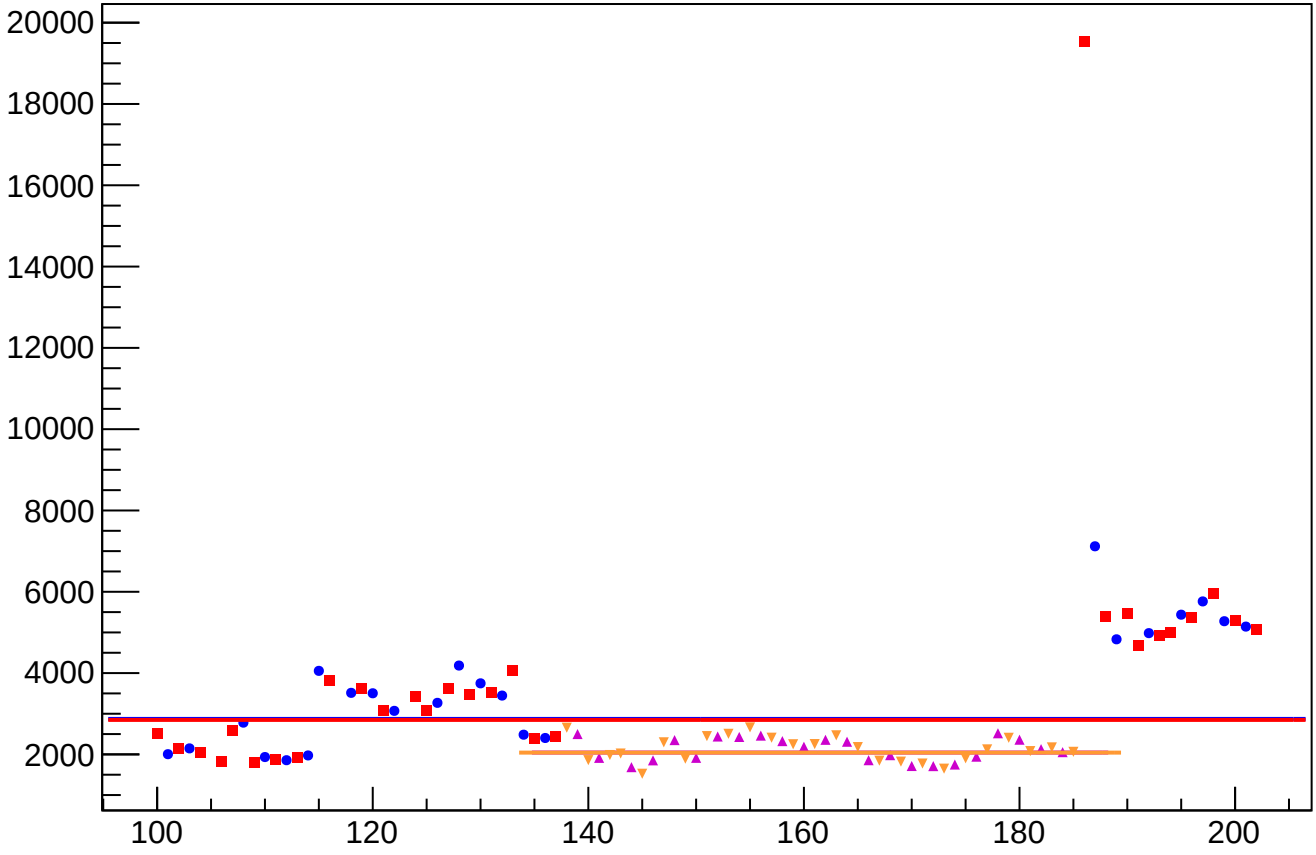
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2015.847+/-415.402 χ^2/NDF: 81.0/47

All: -1438.622+/-294.308 χ^2/NDF: 135.6/99

- sign -856.858+/-417.032 χ^2/NDF: 50.8/51

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2872.393+/-0.625 χ^2/NDF: 3407675.8/22

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2848.376+/-0.582 χ^2/NDF: 5032114.9/28

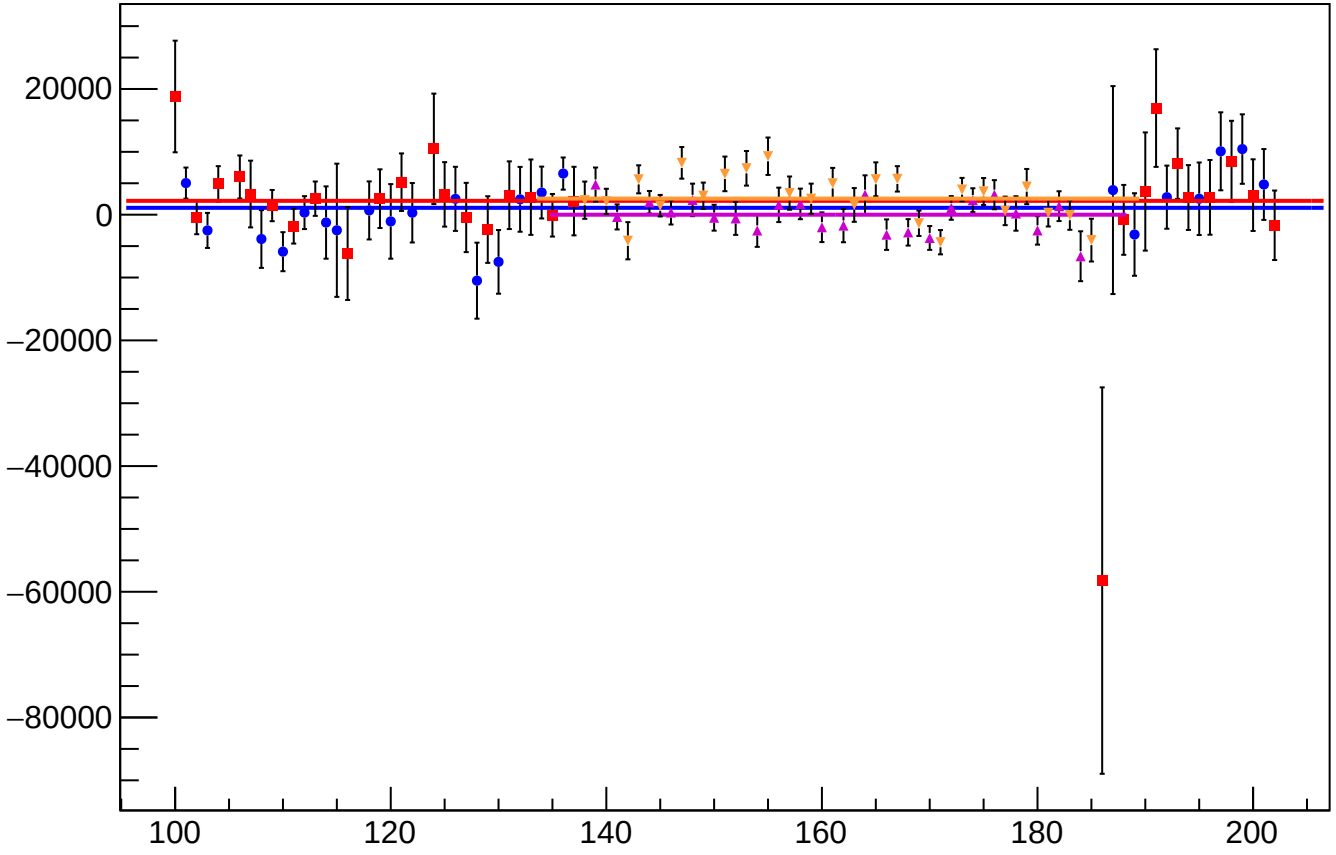
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2226.505+/-0.294 χ^2/NDF: 5629230.3/47

All: 2238.749+/-0.208 χ^2/NDF: 12769419.4/9

- sign 2251.090+/-0.295 χ^2/NDF: 7136699.9/51

asym_sam4_mean vs Slug



Right In: 1093.187+/-881.013 χ^2/NDF: 28.6/22

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2201.917+/-822.915 χ^2/NDF: 22.2/28

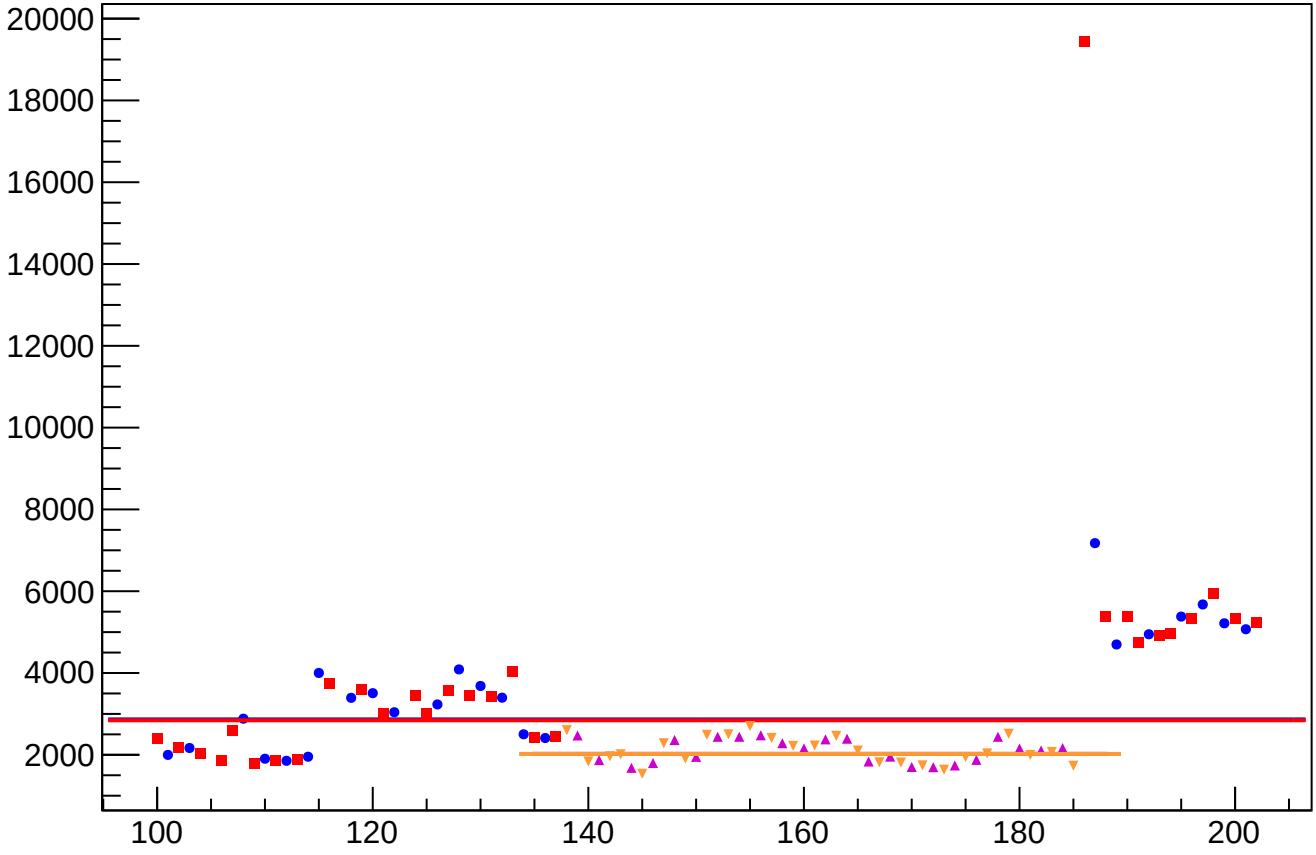
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2238.653+/-411.888 χ^2/NDF: 83.4/47

All: 1399.848+/-291.874 χ^2/NDF: 143.9/99

- sign 553.798+/-413.662 χ^2/NDF: 52.2/51

asym_sam4_rms vs Slug



Right In: 2865.139+/-0.623 χ^2/NDF: 3324322.5/22

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

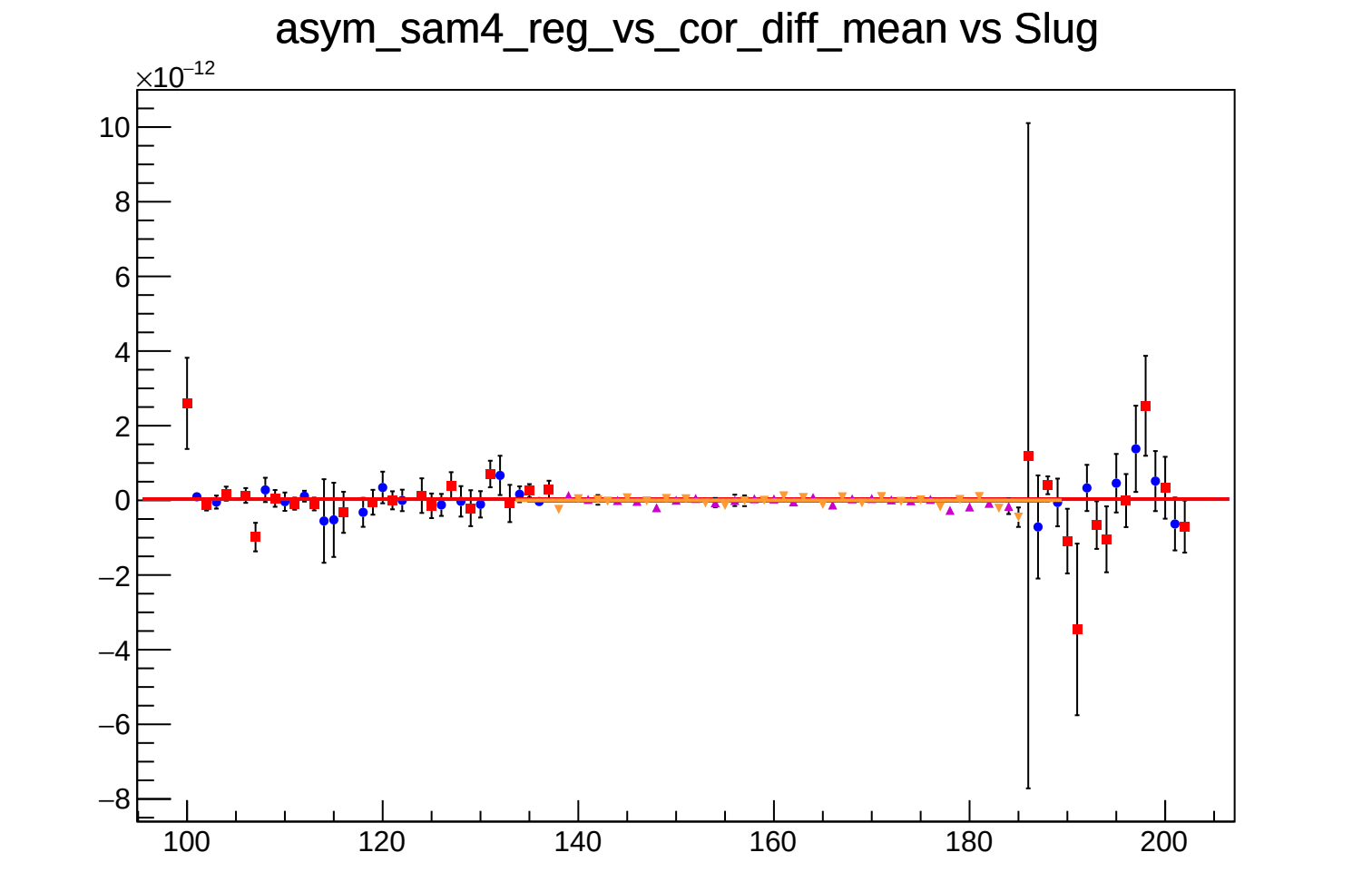
Right Out: 2844.415+/-0.582 χ^2/NDF: 5016578.0/28

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

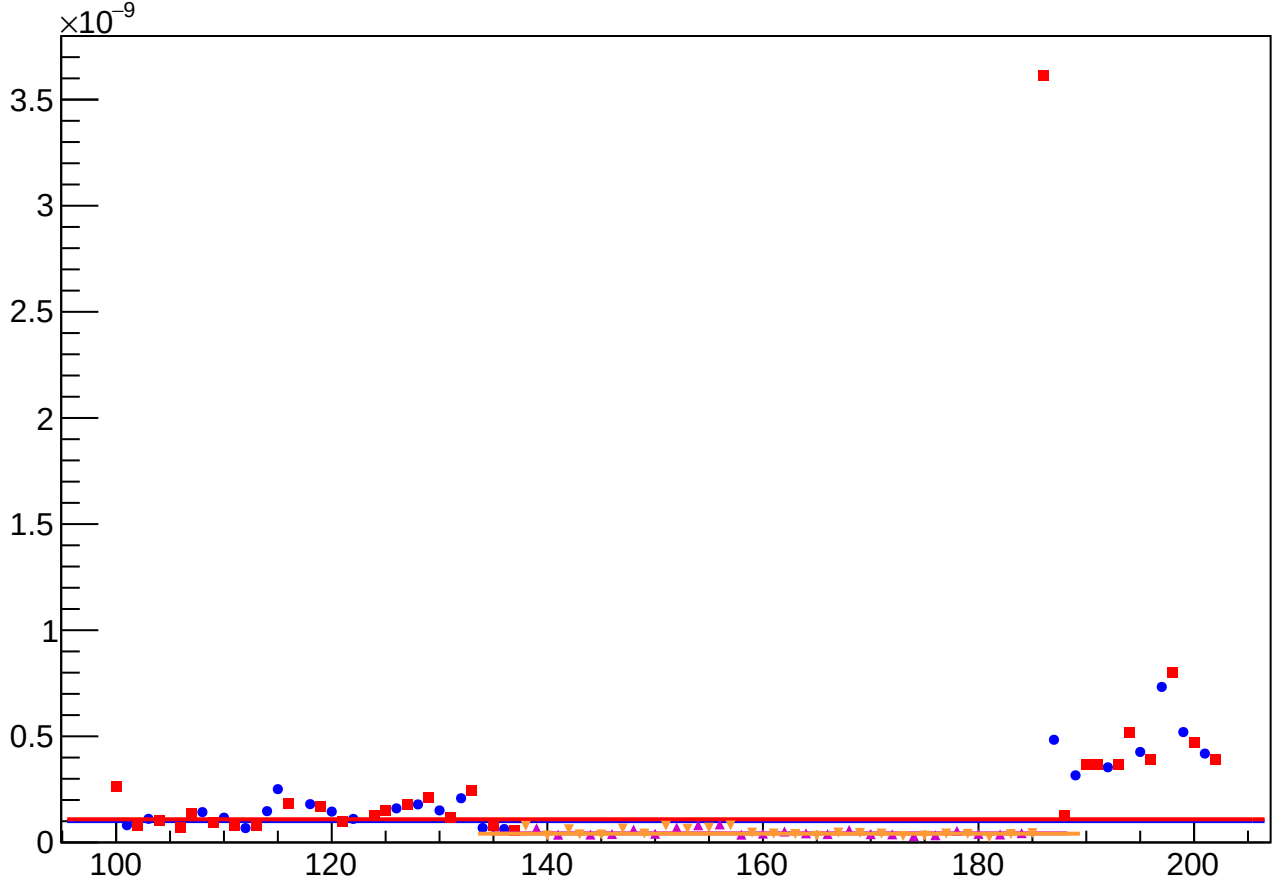
+ sign 2205.712+/-0.291 χ^2/NDF: 5639560.6/47

All: 2218.188+/-0.206 χ^2/NDF: 12844033.7/9

- sign 2230.772+/-0.293 χ^2/NDF: 7200787.3/51


asym_sam4_reg_vs_cor_diff_mean vs Slug
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9.6/22
Left Out: 0.000+/-0.000 χ²/NDF:32.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.0/28
Left In: -0.000+/-0.000 χ²/NDF:20.8/22
+ sign 0.000+/-0.000 χ²/NDF: 42.0/47
All: -0.000+/-0.000 χ²/NDF: 100.9/99
- sign -0.000+/-0.000 χ²/NDF: 58.5/51

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3610194.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3775657.2/28

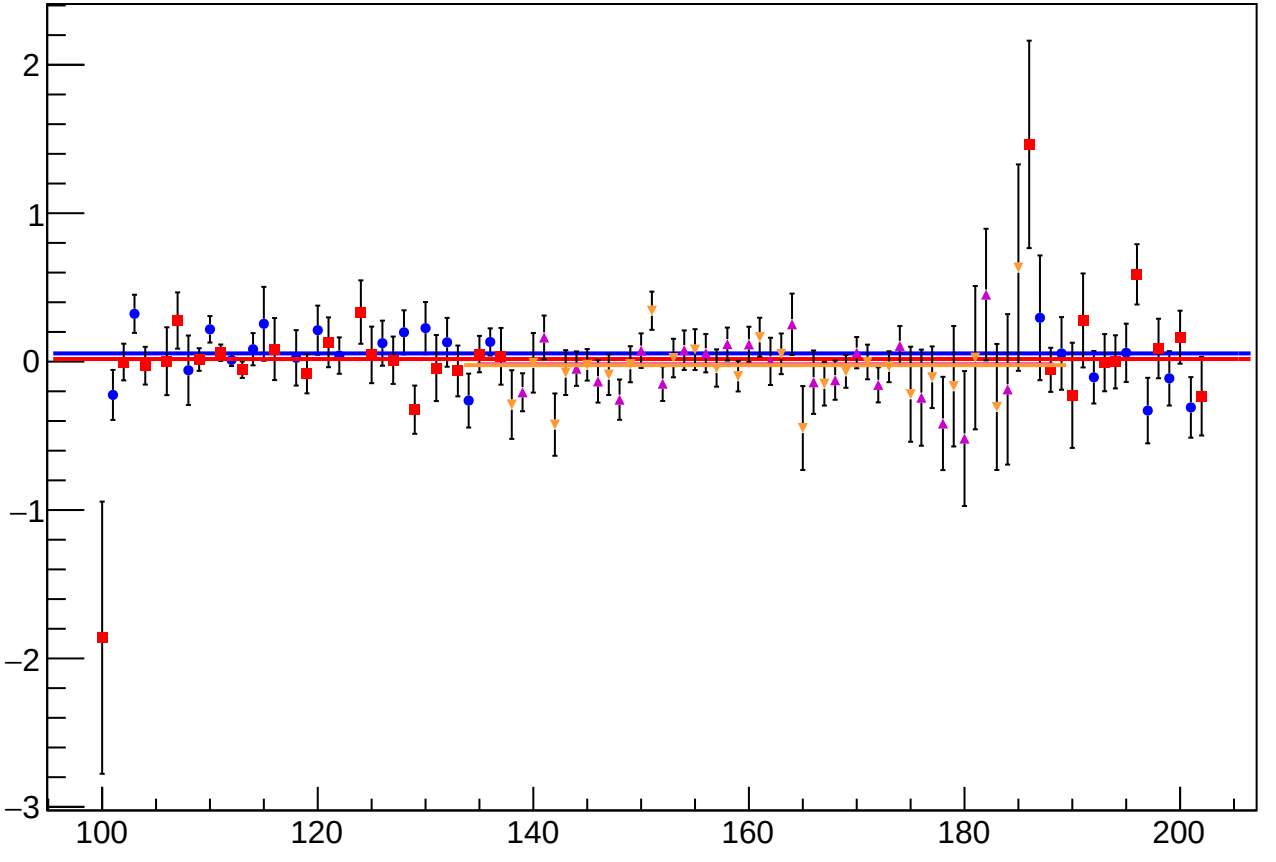
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7246926.6/47

All: 0.000+/-0.000 χ^2/NDF: 14765807.3/99

- sign 0.000+/-0.000 χ^2/NDF: 7491803.1/51

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.055+/-0.026 χ^2/NDF: 27.7/22

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.017+/-0.025 χ^2/NDF: 31.9/28

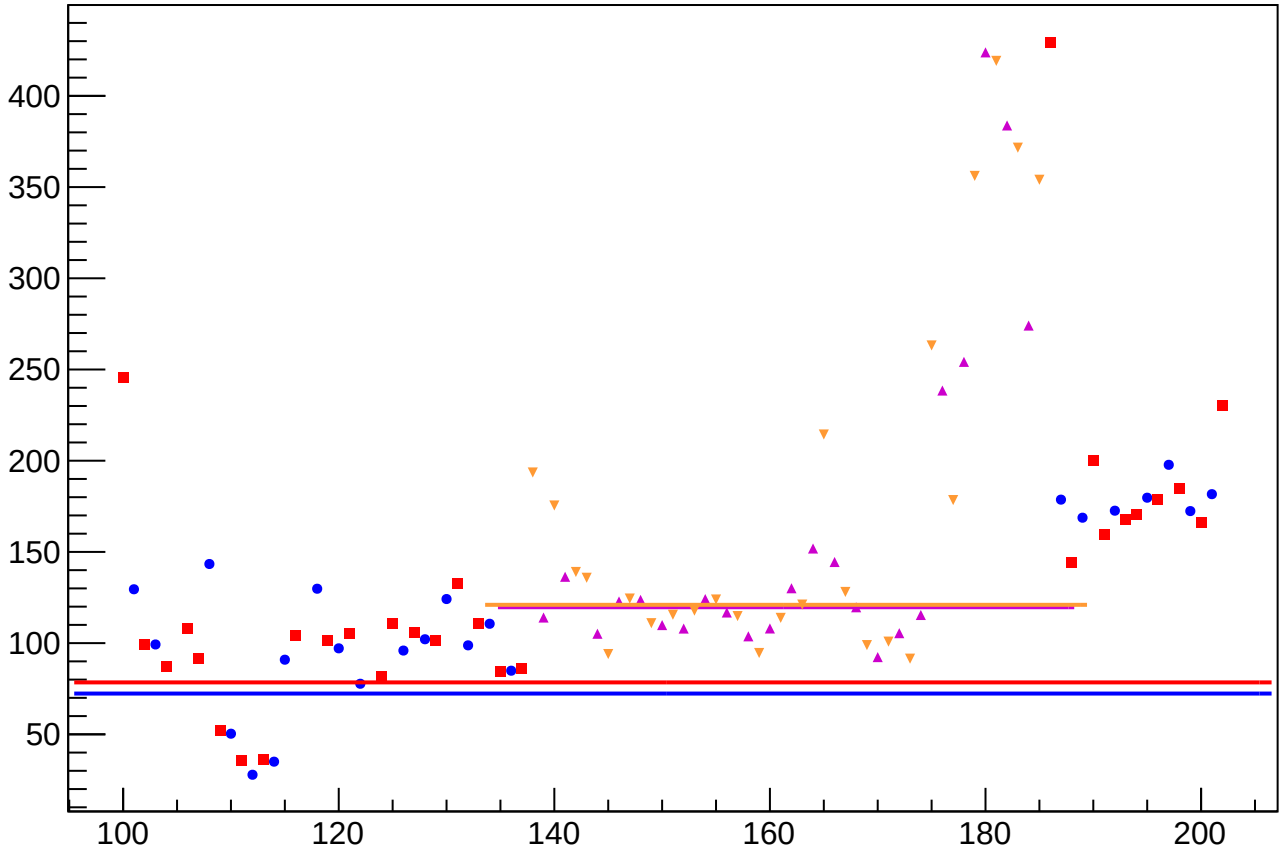
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/47

All: 0.012+/-0.014 χ^2/NDF: 110.1/99

- sign 0.003+/-0.019 χ^2/NDF: 55.7/51

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 72.354+/-0.018 χ^2/NDF: 7424566.5/22

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 78.472+/-0.018 χ^2/NDF: 7675973.2/28

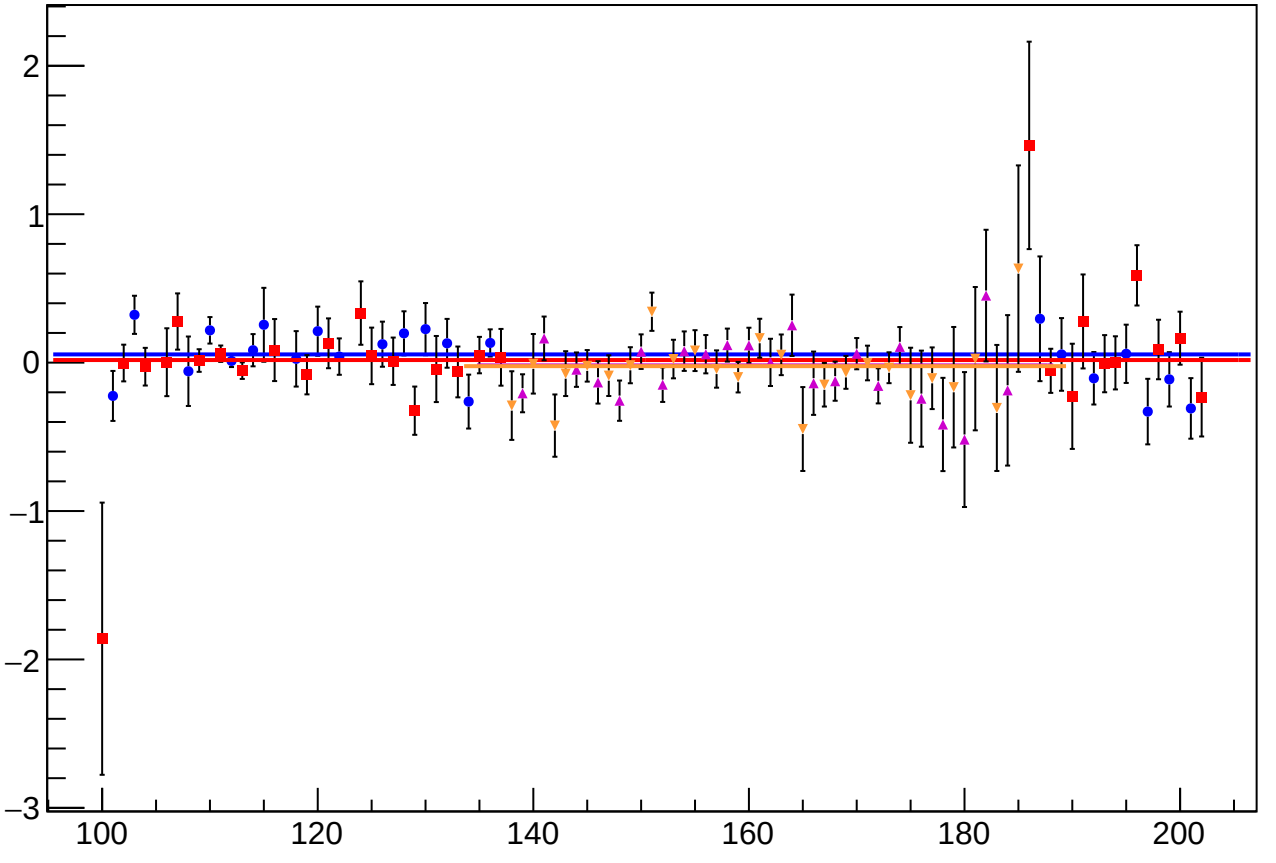
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 92.934+/-0.014 χ^2/NDF: 14573440.2/47

All: 94.062+/-0.010 χ^2/NDF: 27312334.3/99

- sign 95.167+/-0.014 χ^2/NDF: 12725571.1/51

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.055+/-0.026 χ^2/NDF: 27.7/22

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.017+/-0.025 χ^2/NDF: 31.9/28

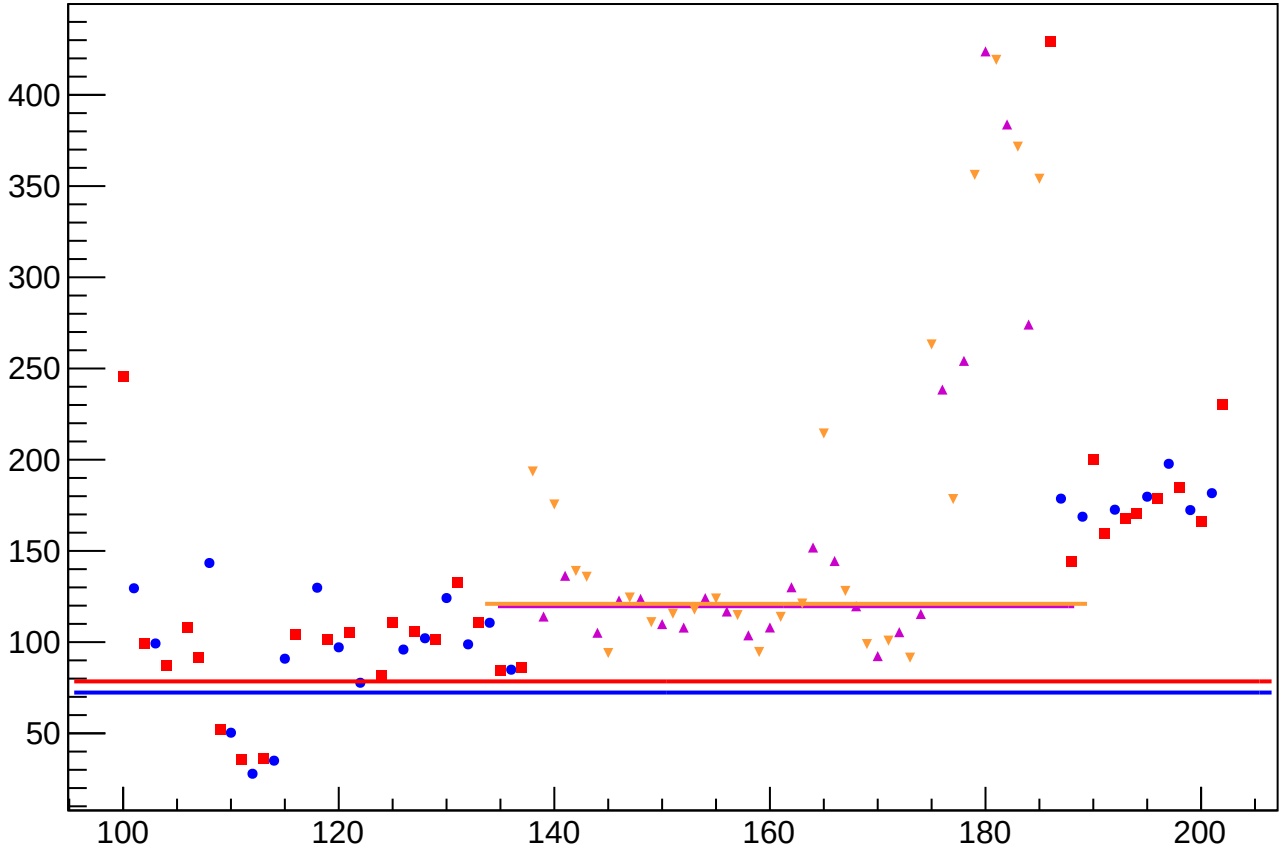
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/47

All: 0.012+/-0.014 χ^2/NDF: 110.1/99

- sign 0.003+/-0.019 χ^2/NDF: 55.7/51

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 72.354+/-0.018 χ^2/NDF: 7424566.5/22

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

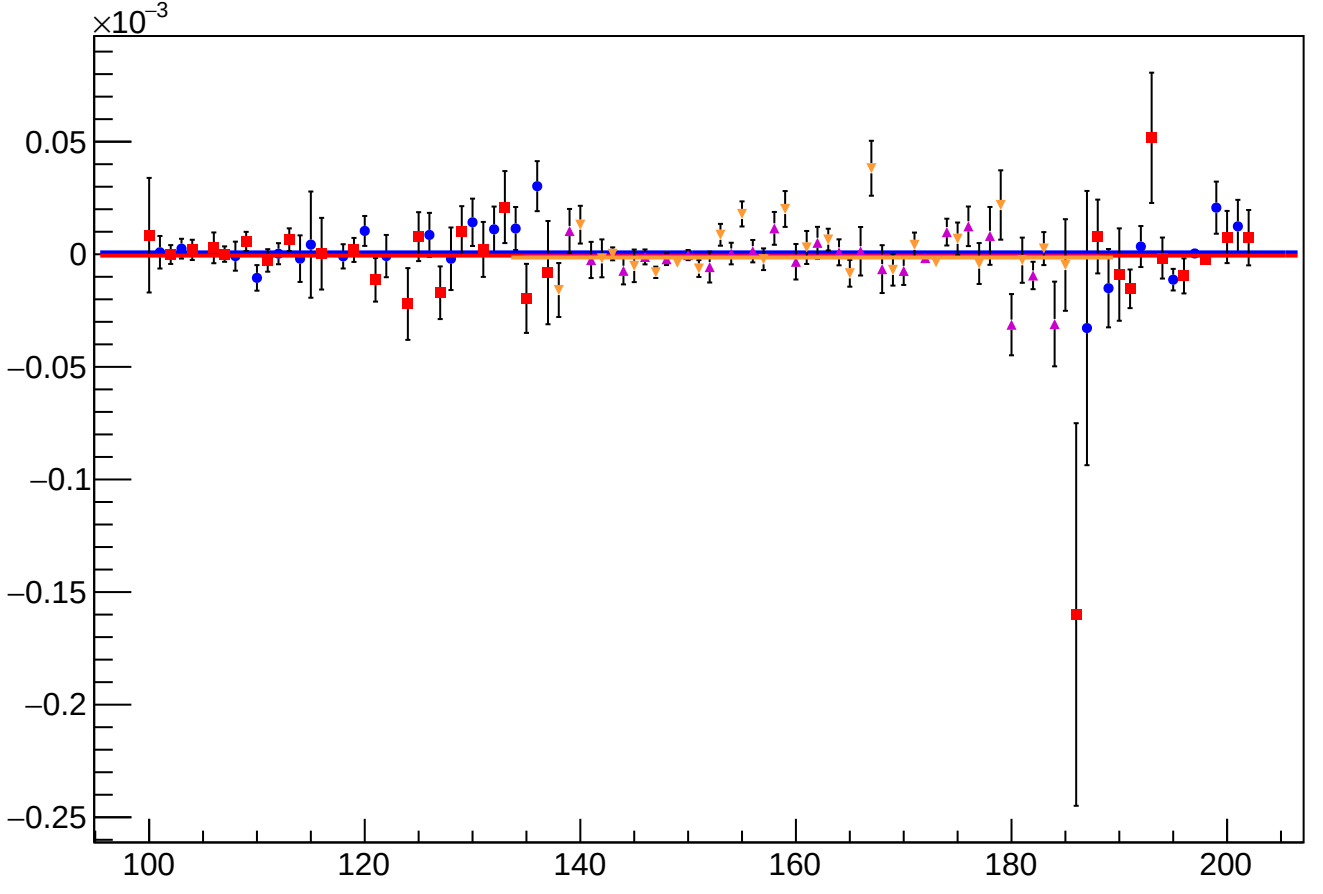
Right Out: 78.472+/-0.018 χ^2/NDF: 7675973.2/28

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 92.934+/-0.014 χ^2/NDF: 14573440.2/47

All: 94.062+/-0.010 χ^2/NDF: 27312334.3/99

- sign 95.167+/-0.014 χ^2/NDF: 12725571.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 29.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/28

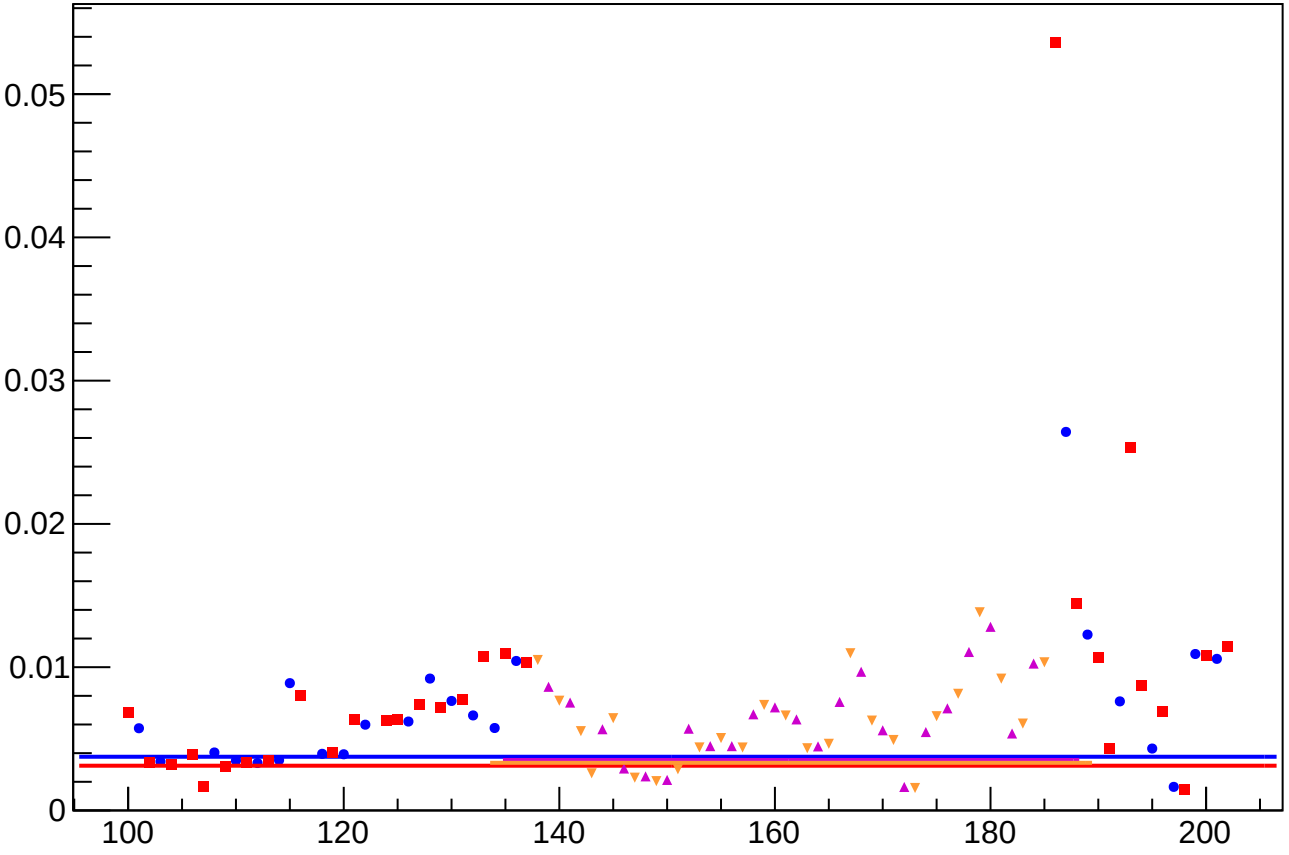
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 92.1/47

All: -0.000+/-0.000 χ^2/NDF: 145.6/99

- sign -0.000+/-0.000 χ^2/NDF: 53.5/51

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 6551202.7/22

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

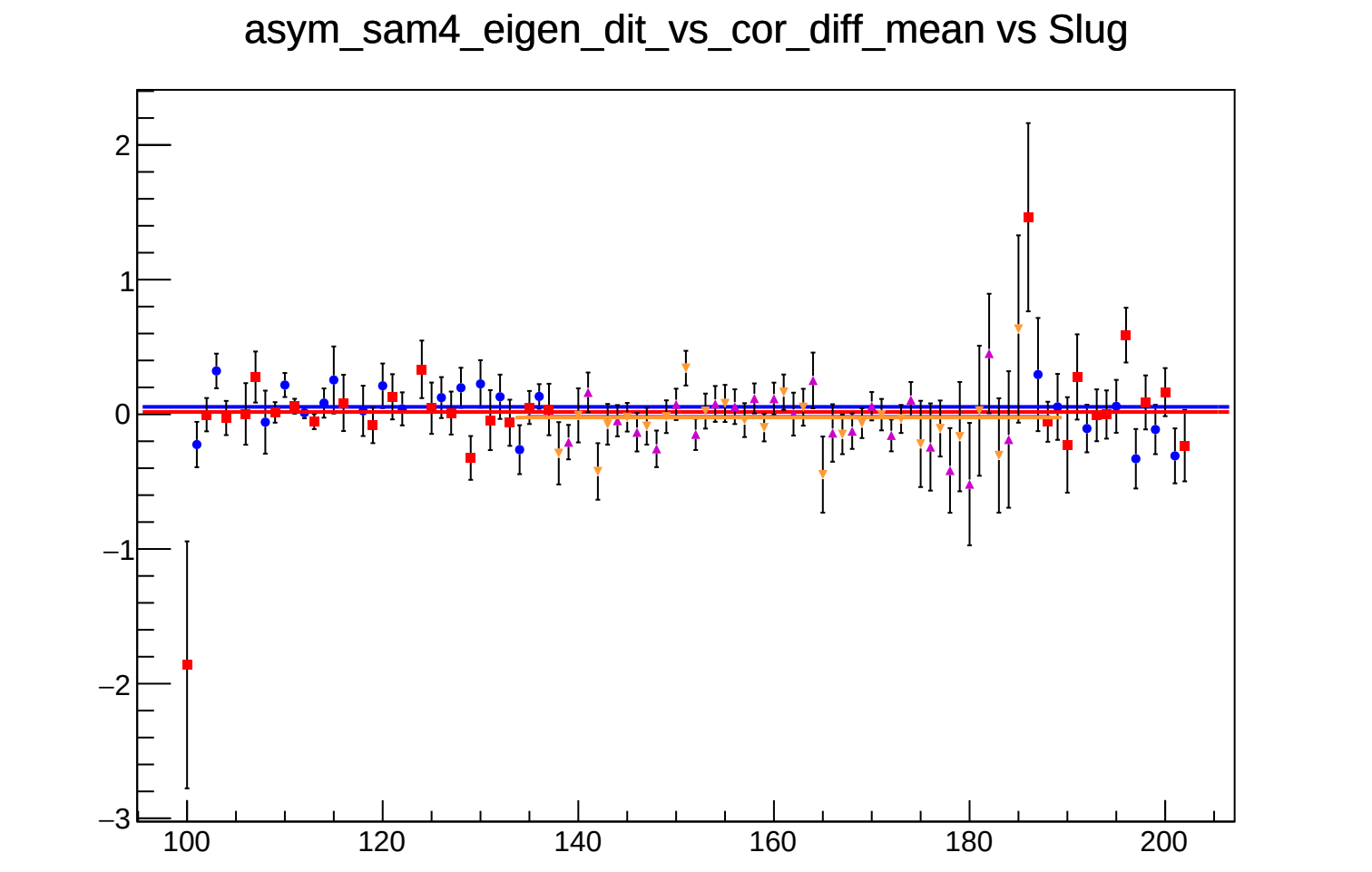
Right Out: 0.003+/-0.000 χ^2/NDF: 11336549.0/28

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 17179174.7/47

All: 0.003+/-0.000 χ^2/NDF: 38120129.5/99

- sign 0.003+/-0.000 χ^2/NDF: 20912839.7/51



Right In: 0.055+/-0.026 χ^2/NDF: 27.7/22

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.017+/-0.025 χ^2/NDF: 31.9/28

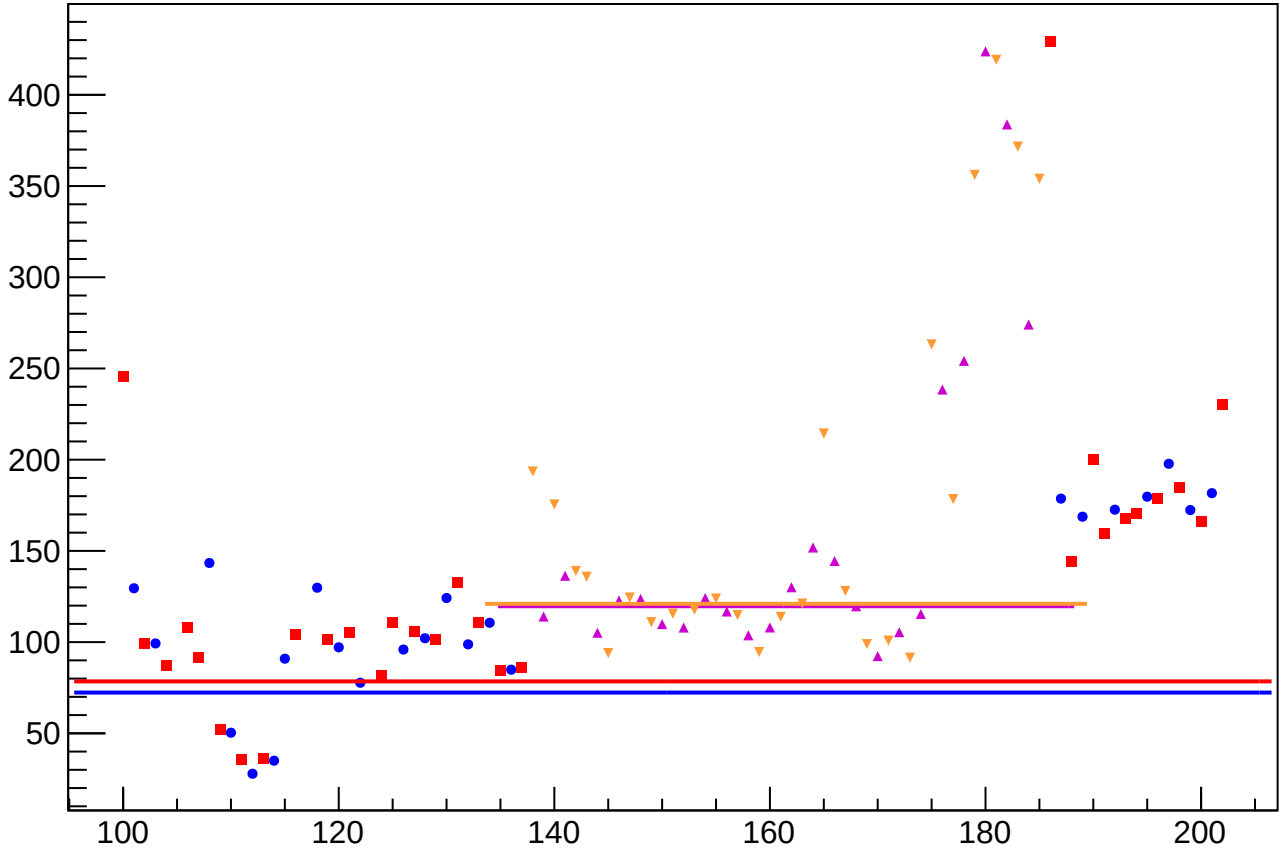
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/47

All: 0.012+/-0.014 χ^2/NDF: 110.1/99

- sign 0.003+/-0.019 χ^2/NDF: 55.7/51

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 72.352+/-0.018 χ^2/NDF: 7424932.0/22

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

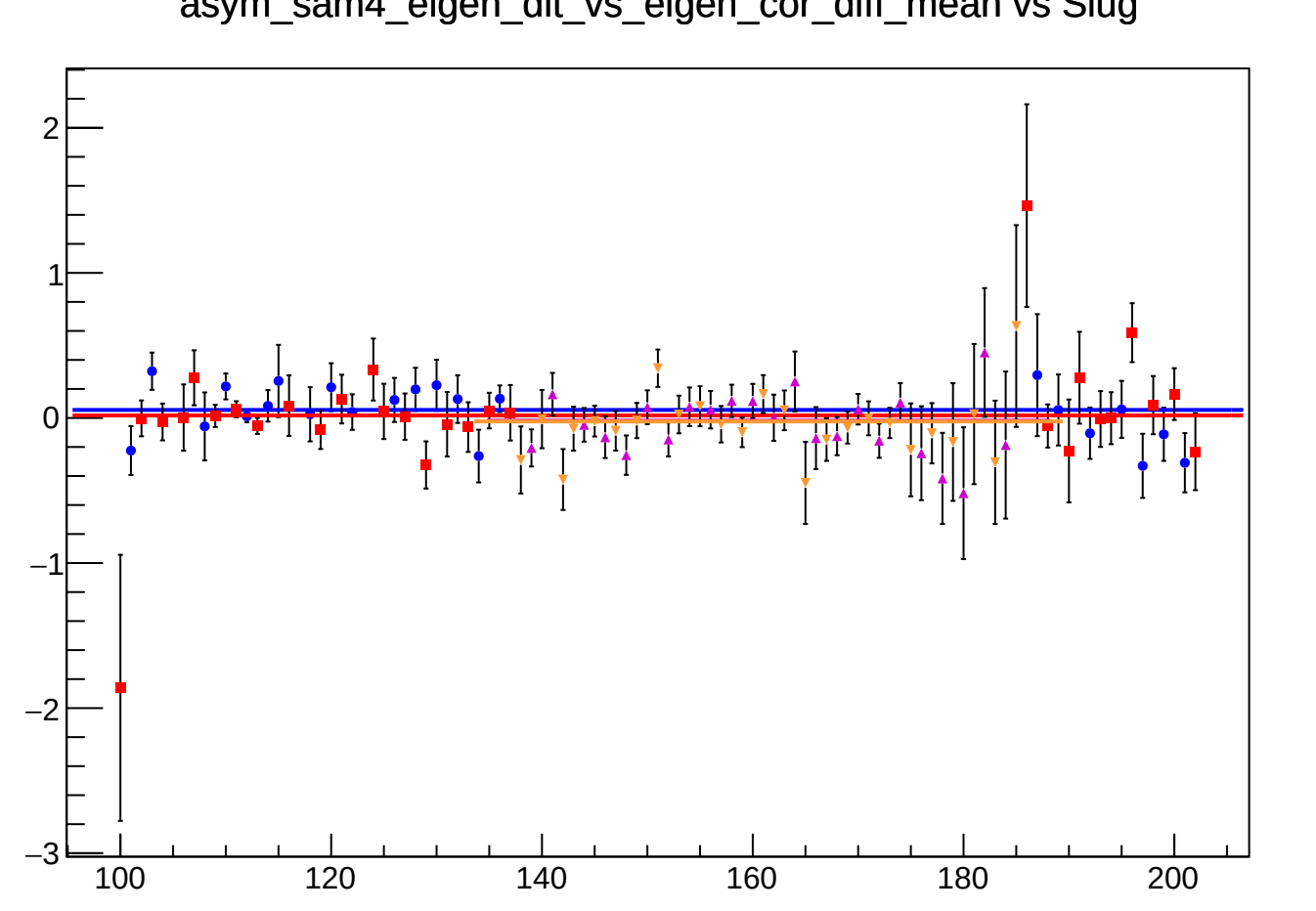
Right Out: 78.470+/-0.018 χ^2/NDF: 7676403.7/28

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 92.932+/-0.014 χ^2/NDF: 14574191.2/47

All: 94.061+/-0.010 χ^2/NDF: 27313782.0/99

- sign 95.165+/-0.014 χ^2/NDF: 12726263.6/51



Right In: 0.055+/-0.026 χ^2/NDF: 27.7/22

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

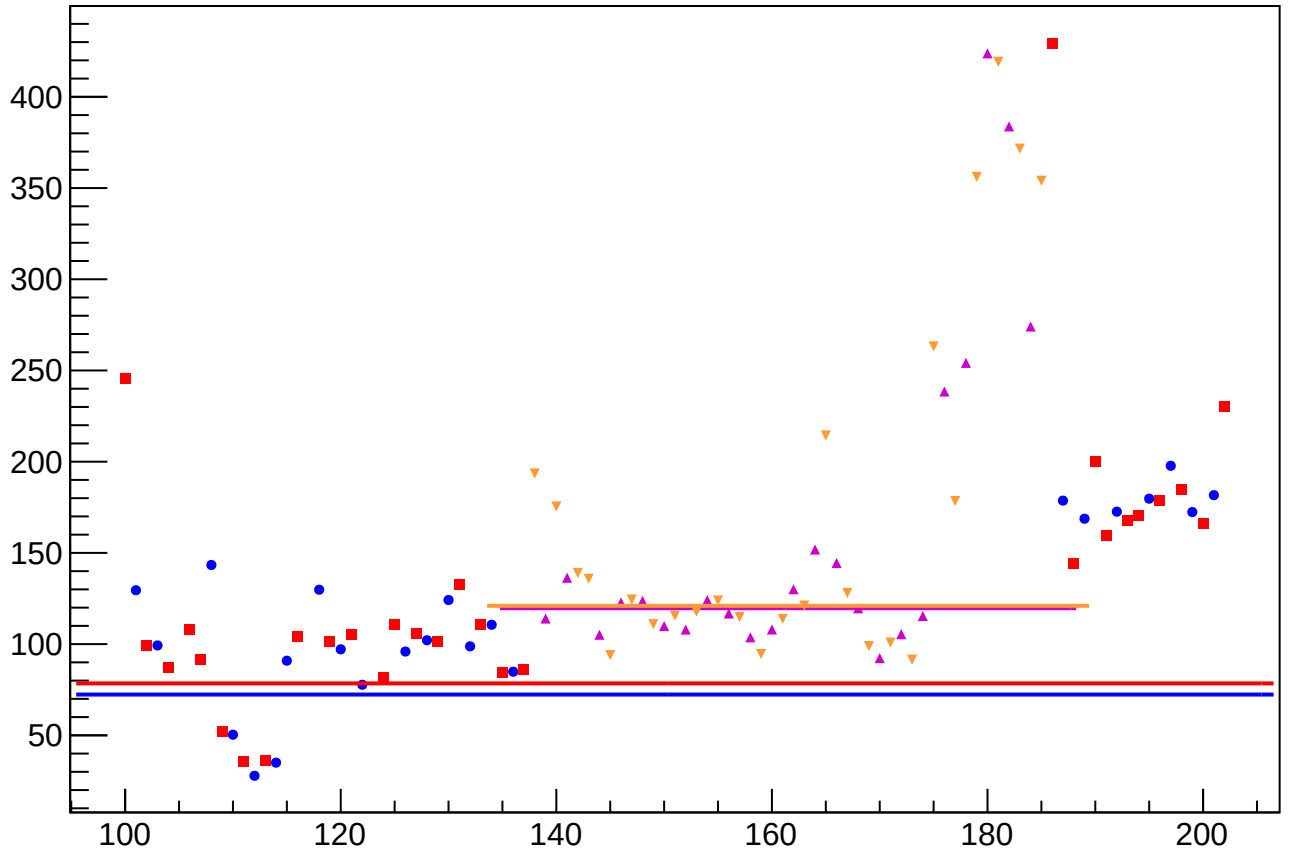
Right Out: 0.017+/-0.025 χ^2/NDF: 31.9/28

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/47

All: 0.012+/-0.014 χ^2/NDF: 110.1/99

- sign 0.003+/-0.019 χ^2/NDF: 55.7/51



Right In: 72.352+/-0.018 χ^2/NDF: 7424932.0/22

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 78.470+/-0.018 χ^2/NDF: 7676403.7/28

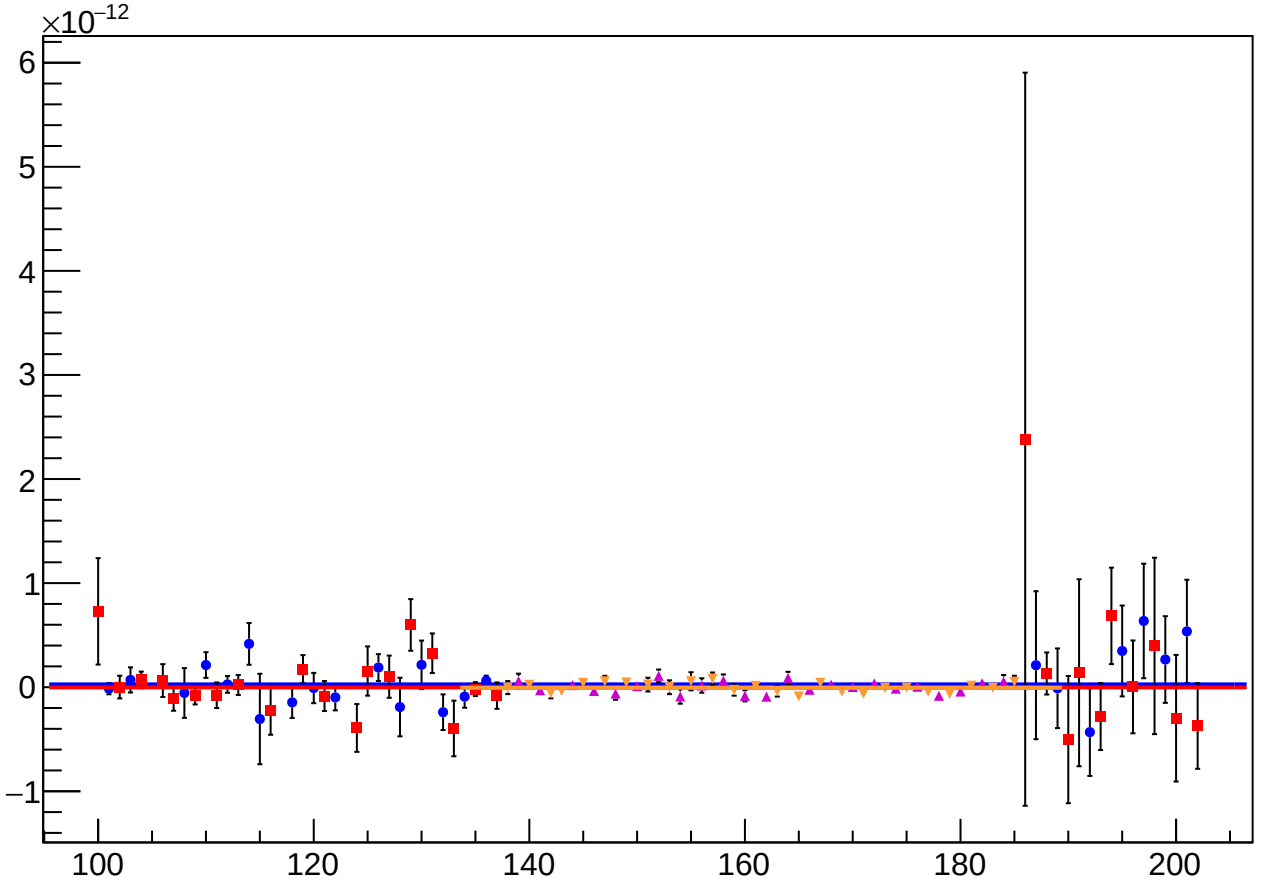
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 92.932+/-0.014 χ^2/NDF: 14574191.2/47

All: 94.061+/-0.010 χ^2/NDF: 27313782.0/99

- sign 95.165+/-0.014 χ^2/NDF: 12726263.6/51

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

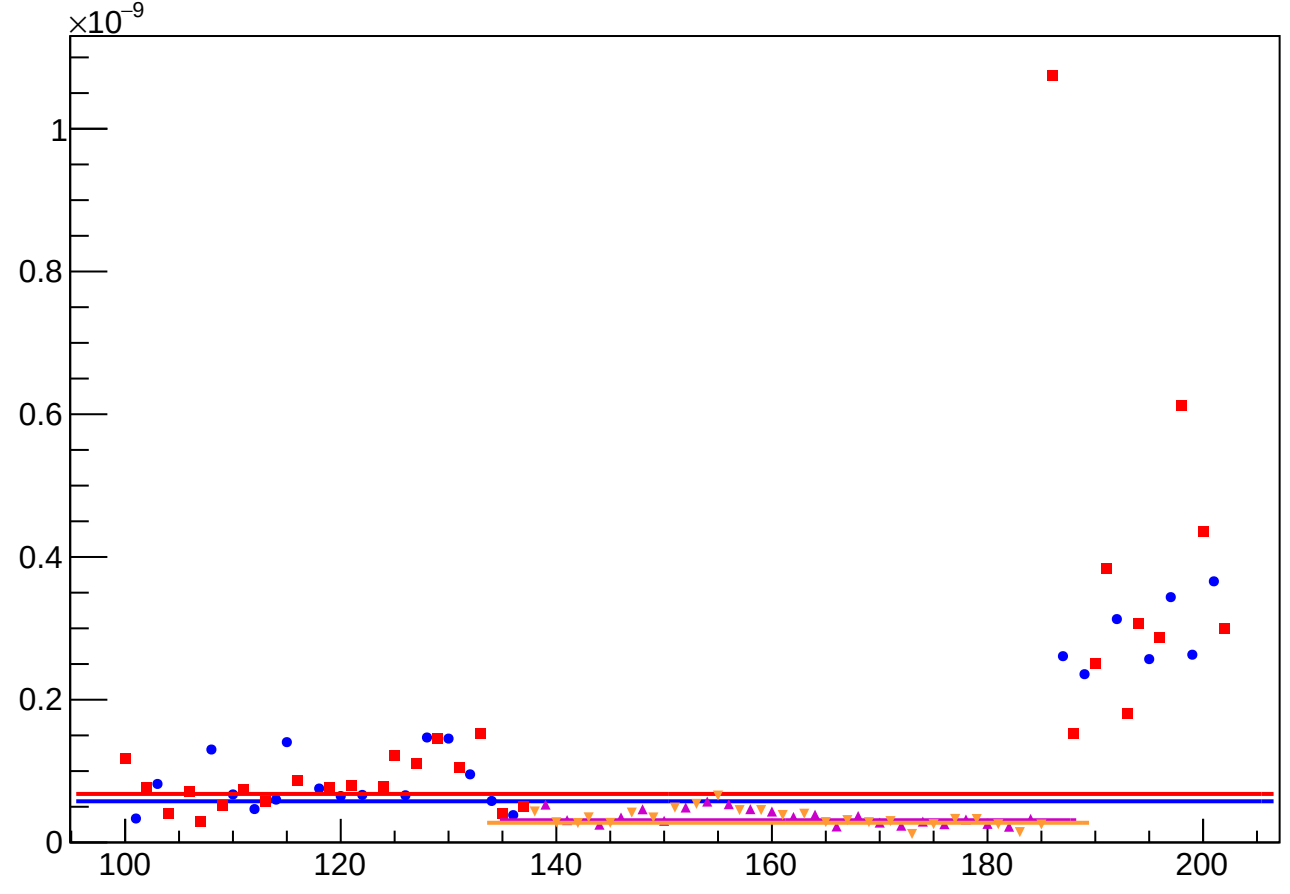
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/28

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/47

All: -0.000+/-0.000 χ^2/NDF: 101.5/99

- sign -0.000+/-0.000 χ^2/NDF: 56.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 5274780.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6080192.6/28

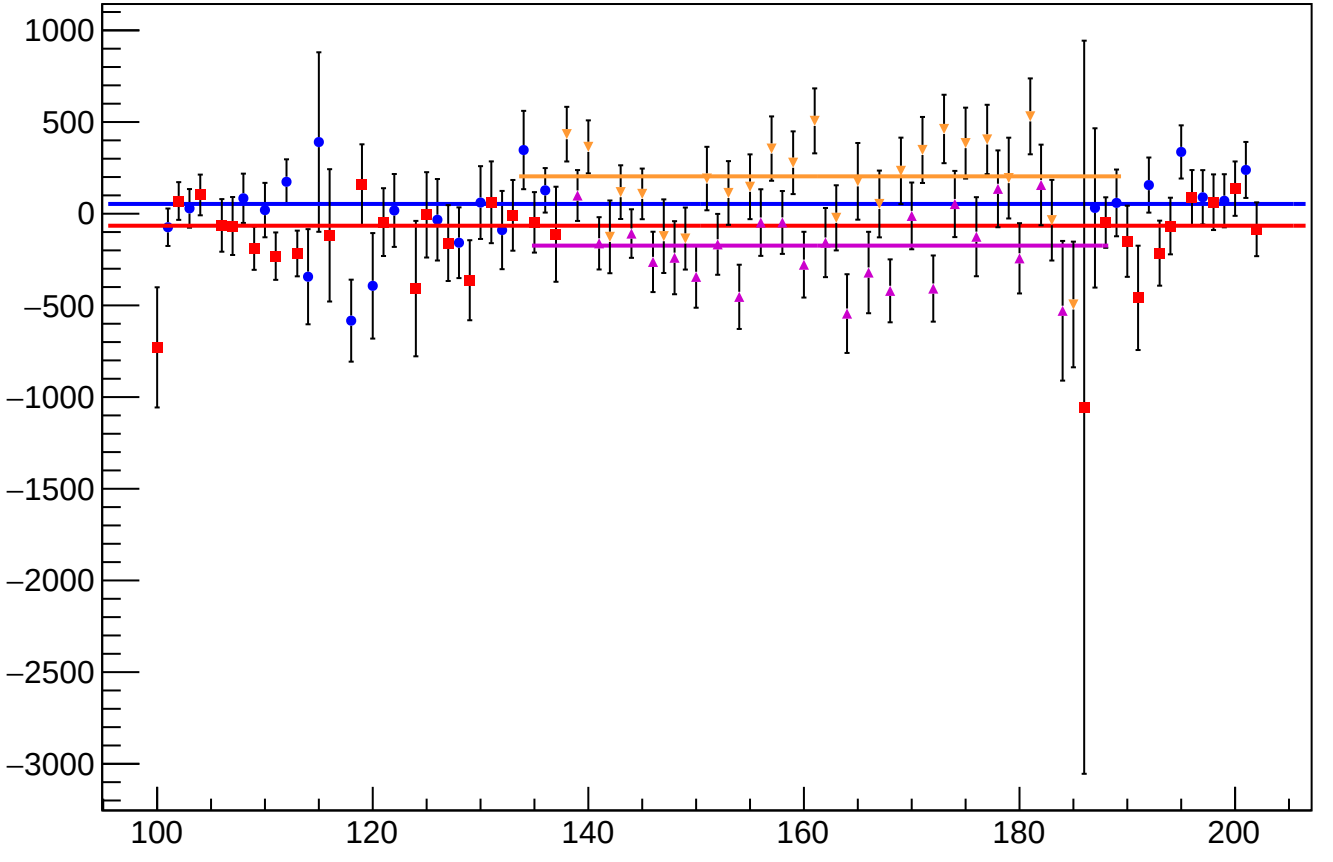
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11428968.2/47

All: 0.000+/-0.000 χ^2/NDF: 22830423.5/99

- sign 0.000+/-0.000 χ^2/NDF: 11129168.9/51

reg_asym_sam5_mean vs Slug



Right In: 53.269+/-33.756 χ^2/NDF: 26.0/22

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -65.493+/-30.993 χ^2/NDF: 23.5/28

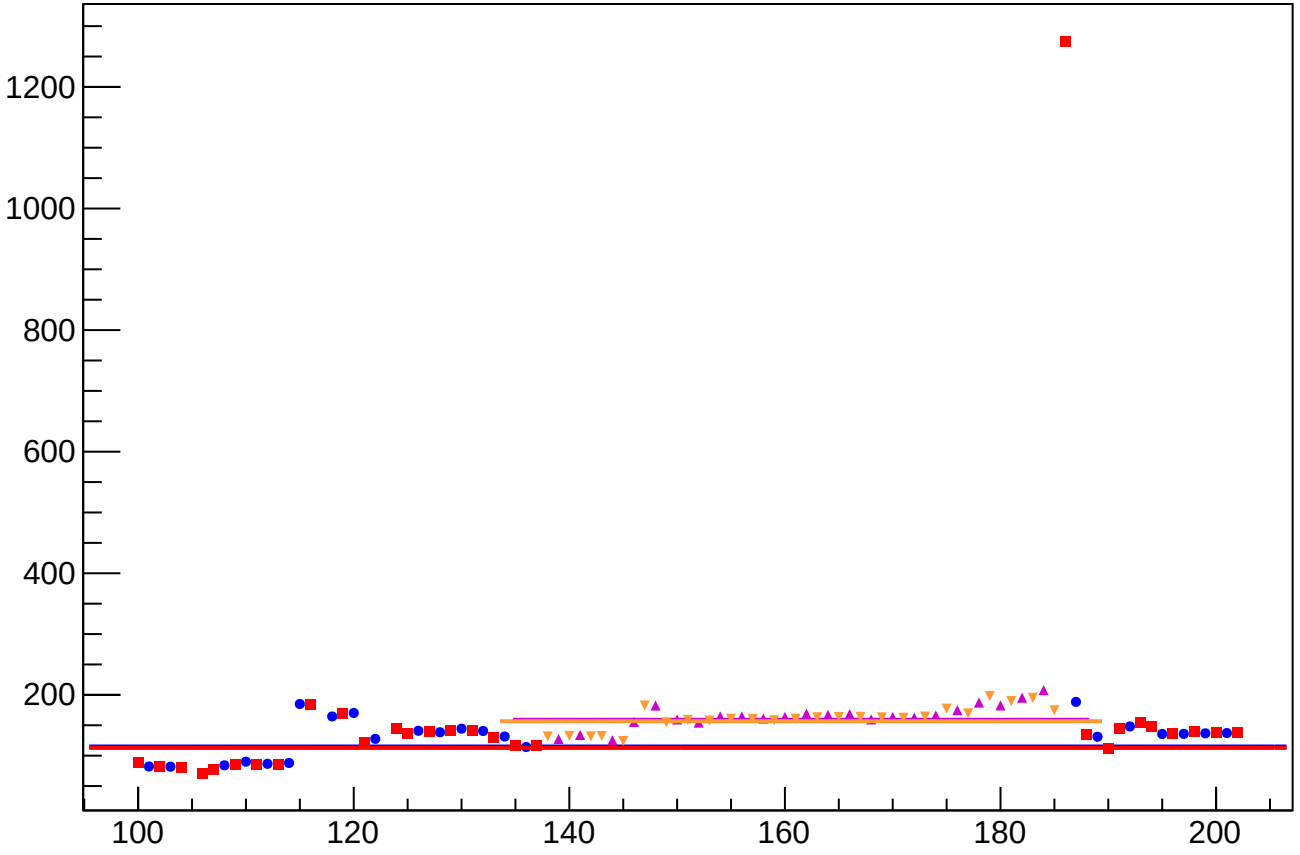
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 123.934+/-24.585 χ^2/NDF: 68.2/47

All: 3.672+/-17.124 χ^2/NDF: 167.6/99

- sign -109.653+/-23.865 χ^2/NDF: 53.0/51

reg_asym_sam5_rms vs Slug



Right In: 115.035+/-0.024 χ^2/NDF: 1394395.7/22

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 112.771+/-0.022 χ^2/NDF: 2490612.4/28

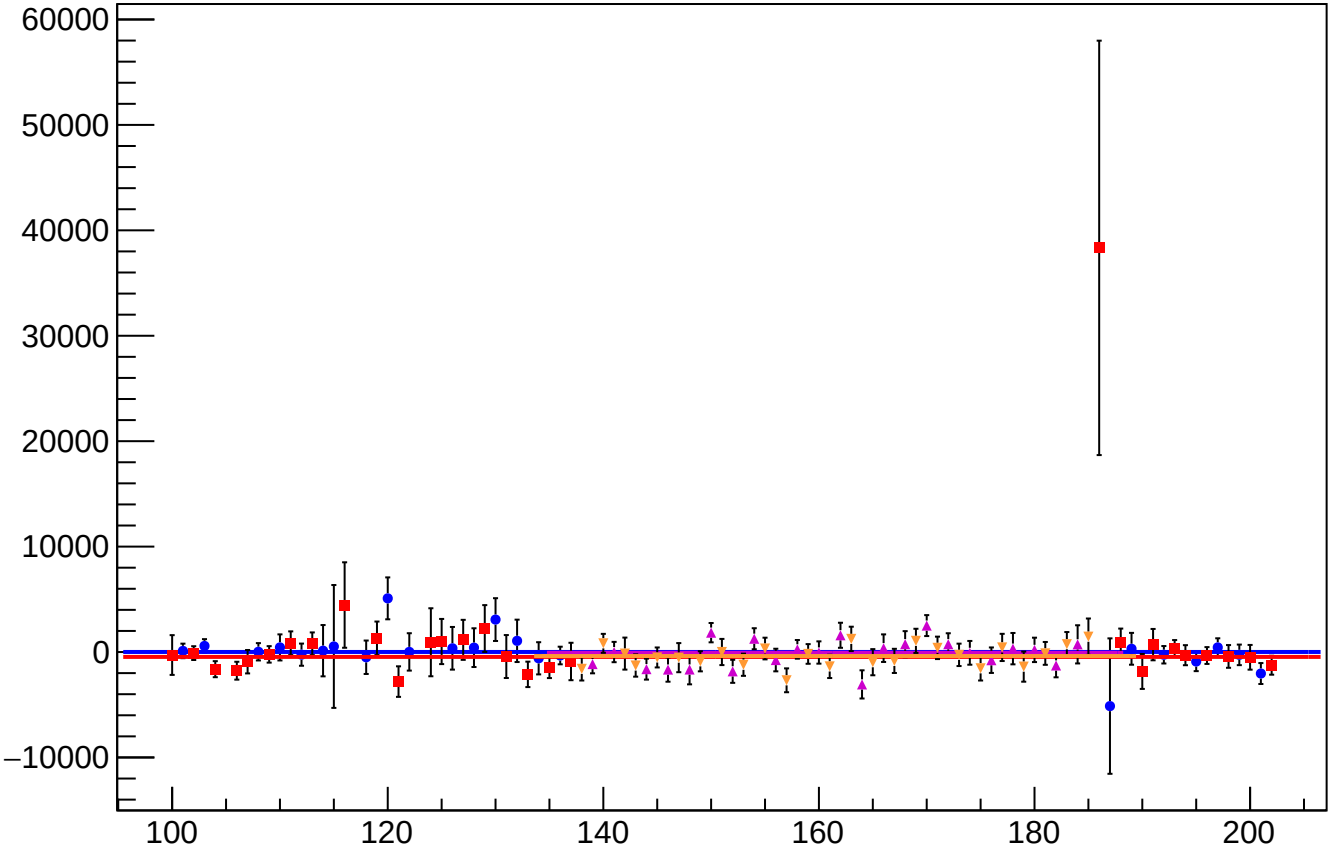
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.570+/-0.017 χ^2/NDF: 3403272.8/47

All: 133.025+/-0.012 χ^2/NDF: 8228098.8/99

- sign 131.570+/-0.017 χ^2/NDF: 4809489.2/51

asym_sam5_reg_correction_mean vs Slug



Right In: 6.270+/-234.798 χ^2/NDF: 17.0/22

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -462.451+/-212.104 χ^2/NDF: 27.2/28

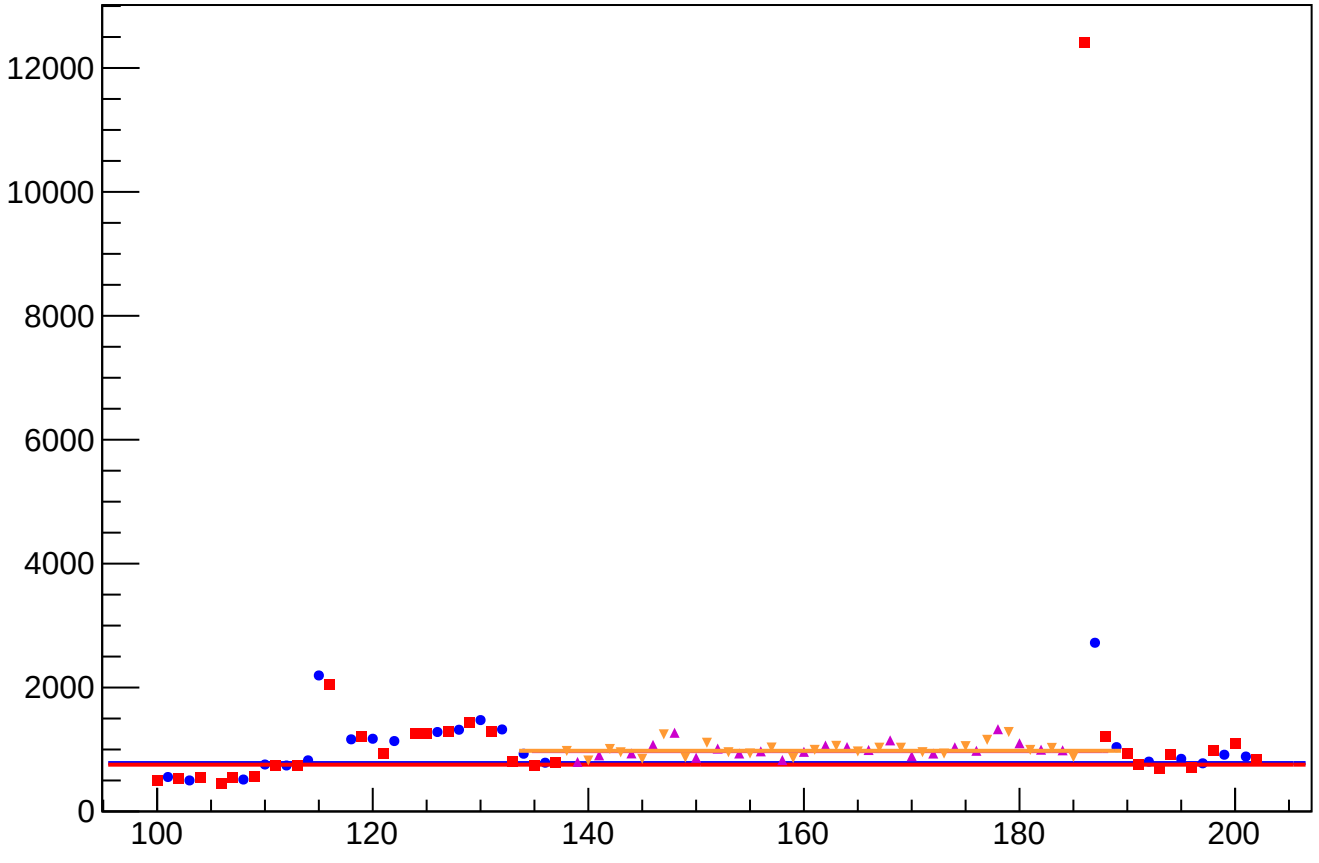
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

\+ sign -195.836+/-162.284 χ^2/NDF: 37.1/47

All: -241.671+/-112.411 χ^2/NDF: 99.0/99

\- sign -283.948+/-155.857 χ^2/NDF: 61.8/51

asym_sam5_reg_correction_rms vs Slug



Right In: 780.882+/-0.166 χ^2/NDF: 2205802.7/22

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 755.146+/-0.150 χ^2/NDF: 3282589.5/28

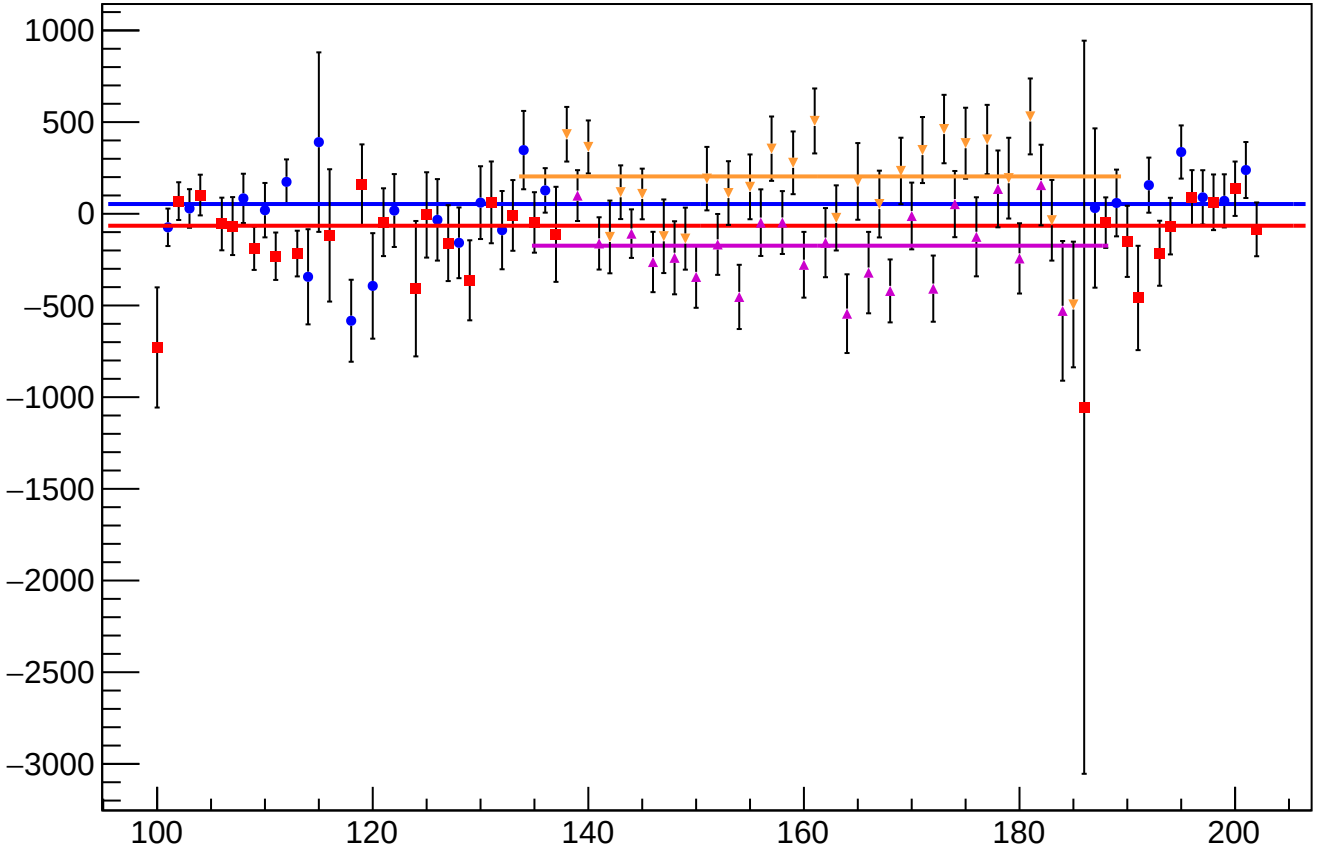
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 884.415+/-0.115 χ^2/NDF: 3380139.5/47

All: 869.501+/-0.079 χ^2/NDF: 8171768.5/99

- sign 855.745+/-0.110 χ^2/NDF: 4759156.4/51

cor_asym_sam5_mean vs Slug



Right In: 53.263+/-33.756 χ^2/NDF: 26.0/22

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -65.138+/-30.995 χ^2/NDF: 23.5/28

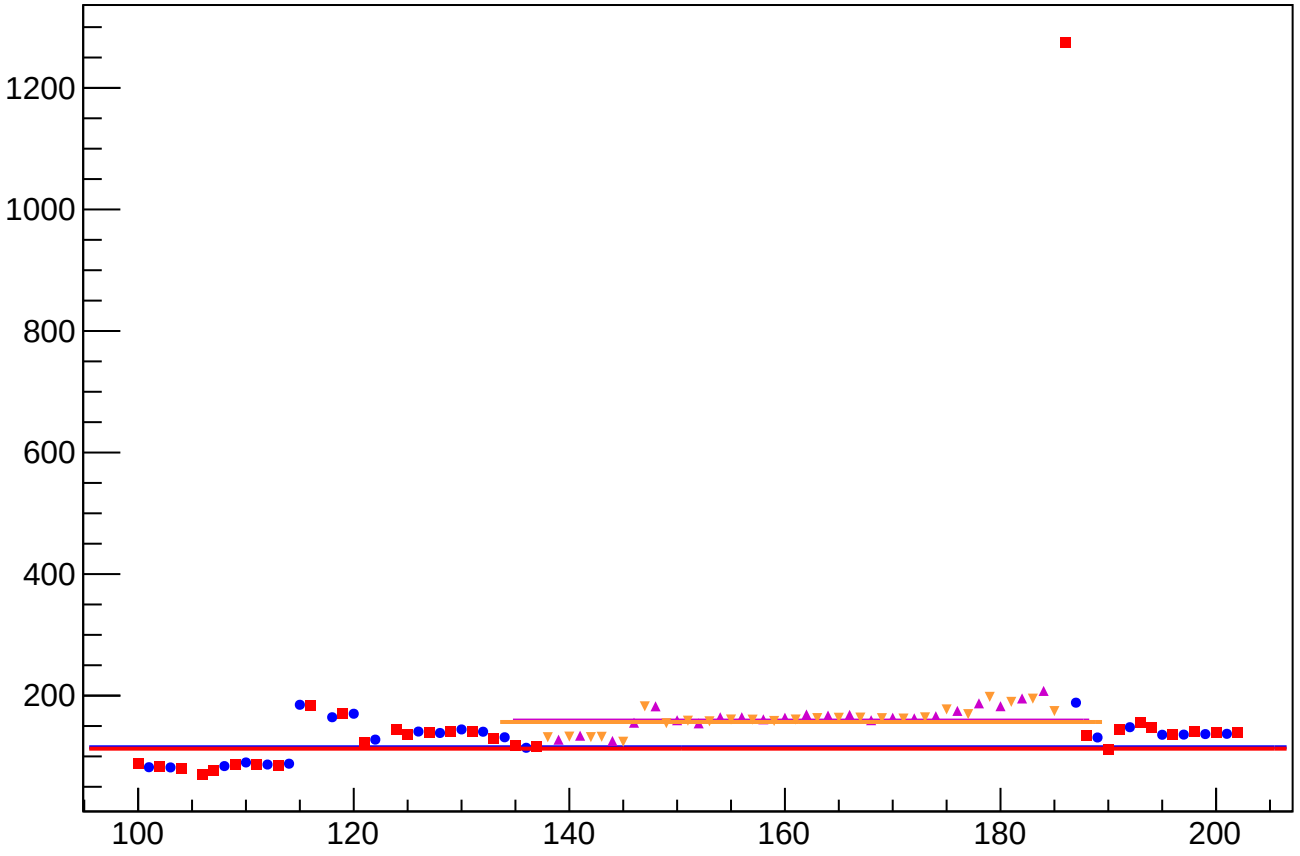
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 123.934+/-24.585 χ^2/NDF: 68.2/47

All: 3.781+/-17.124 χ^2/NDF: 167.6/99

- sign -109.446+/-23.866 χ^2/NDF: 53.0/51

cor_asym_sam5_rms vs Slug



Right In: 115.035+/-0.024 χ^2/NDF: 1394394.5/22

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

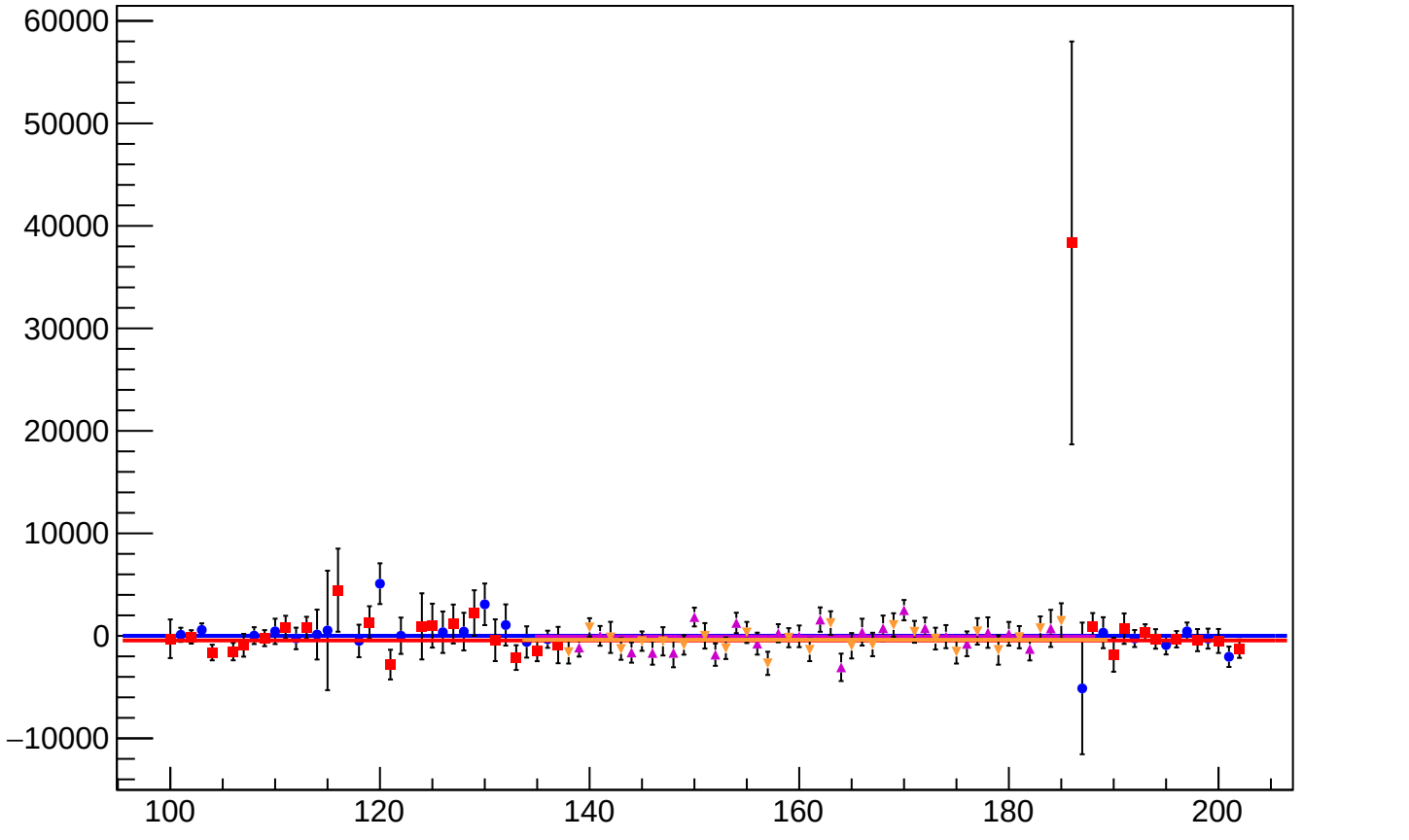
Right Out: 112.756+/-0.022 χ^2/NDF: 2493646.8/28

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.570+/-0.017 χ^2/NDF: 3403270.8/47

All: 133.021+/-0.012 χ^2/NDF: 8232292.0/99

- sign 131.562+/-0.017 χ^2/NDF: 4813606.2/51



Right In: 6.269+/-234.798 χ^2/NDF: 17.0/22

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -446.421+/-212.190 χ^2/NDF: 26.3/28

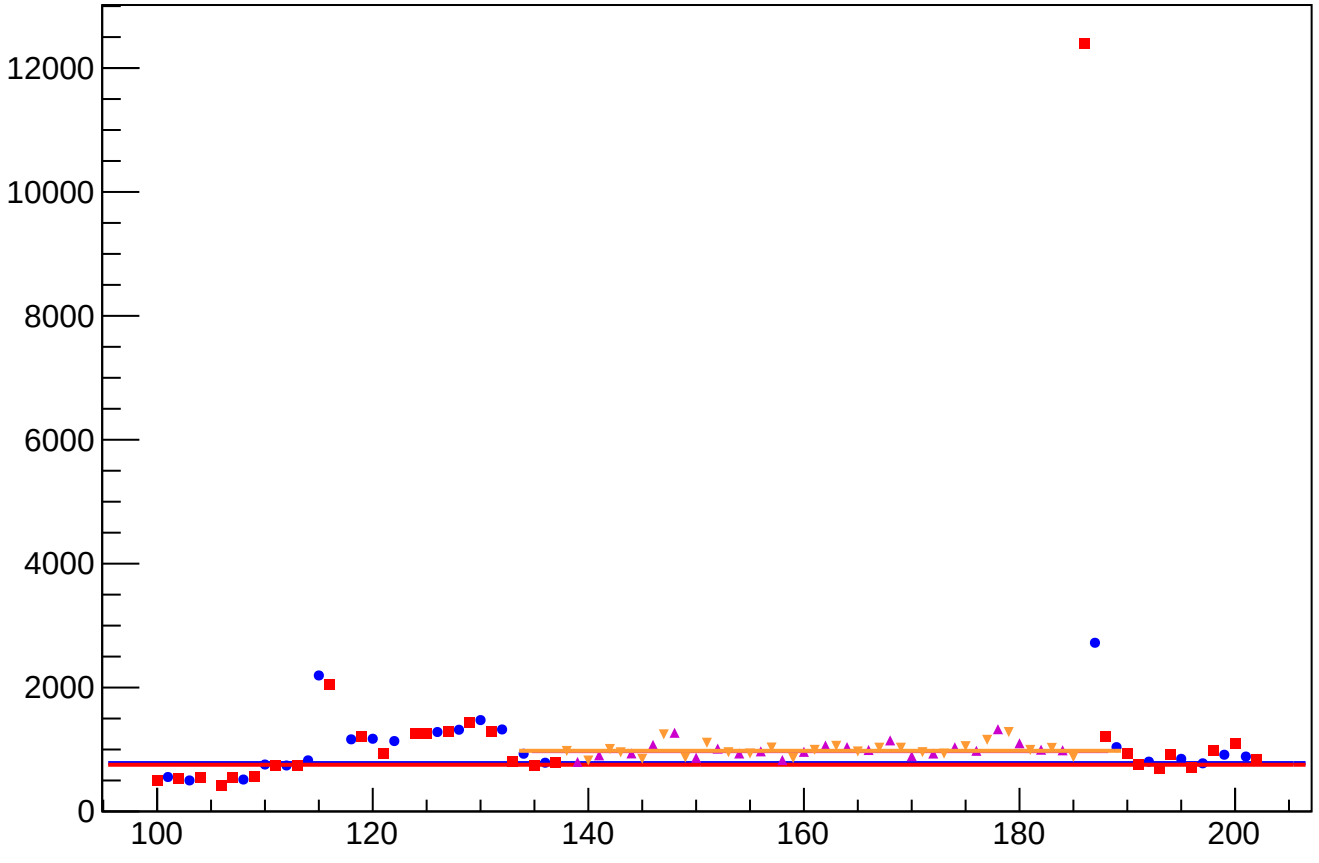
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -195.830+/-162.284 χ^2/NDF: 37.1/47

All: -237.117+/-112.424 χ^2/NDF: 98.0/99

- sign -275.217+/-155.892 χ^2/NDF: 60.8/51

asym_sam5_cor_correction_rms vs Slug



Right In: 780.882+/-0.166 χ^2/NDF: 2205805.6/22

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

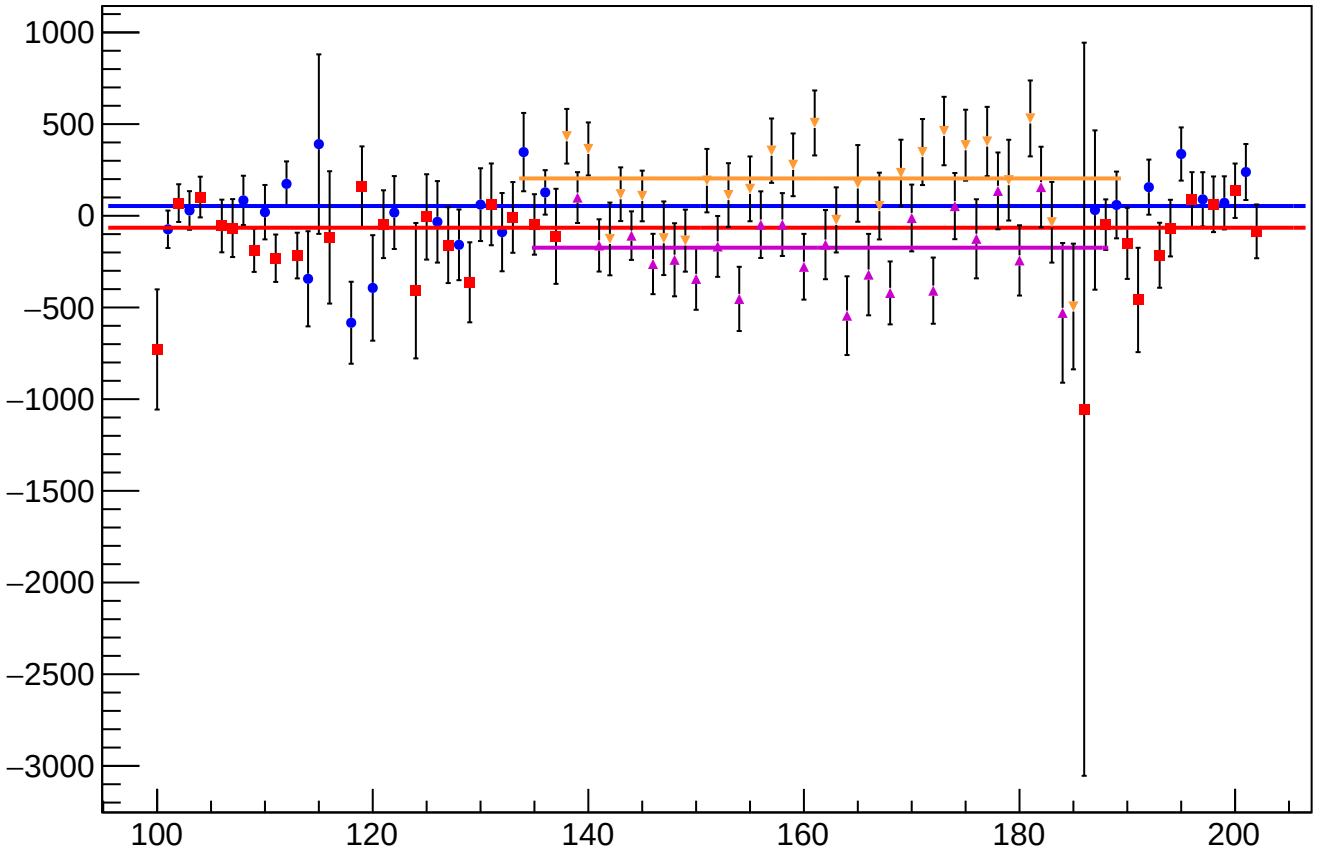
Right Out: 753.888+/-0.150 χ^2/NDF: 3321756.7/28

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 884.415+/-0.115 χ^2/NDF: 3380144.8/47

All: 869.174+/-0.079 χ^2/NDF: 8223304.6/99

- sign 855.110+/-0.110 χ^2/NDF: 4809240.5/51



Right In: 53.263+/-33.756 χ^2/NDF: 26.0/22

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -65.138+/-30.995 χ^2/NDF: 23.5/28

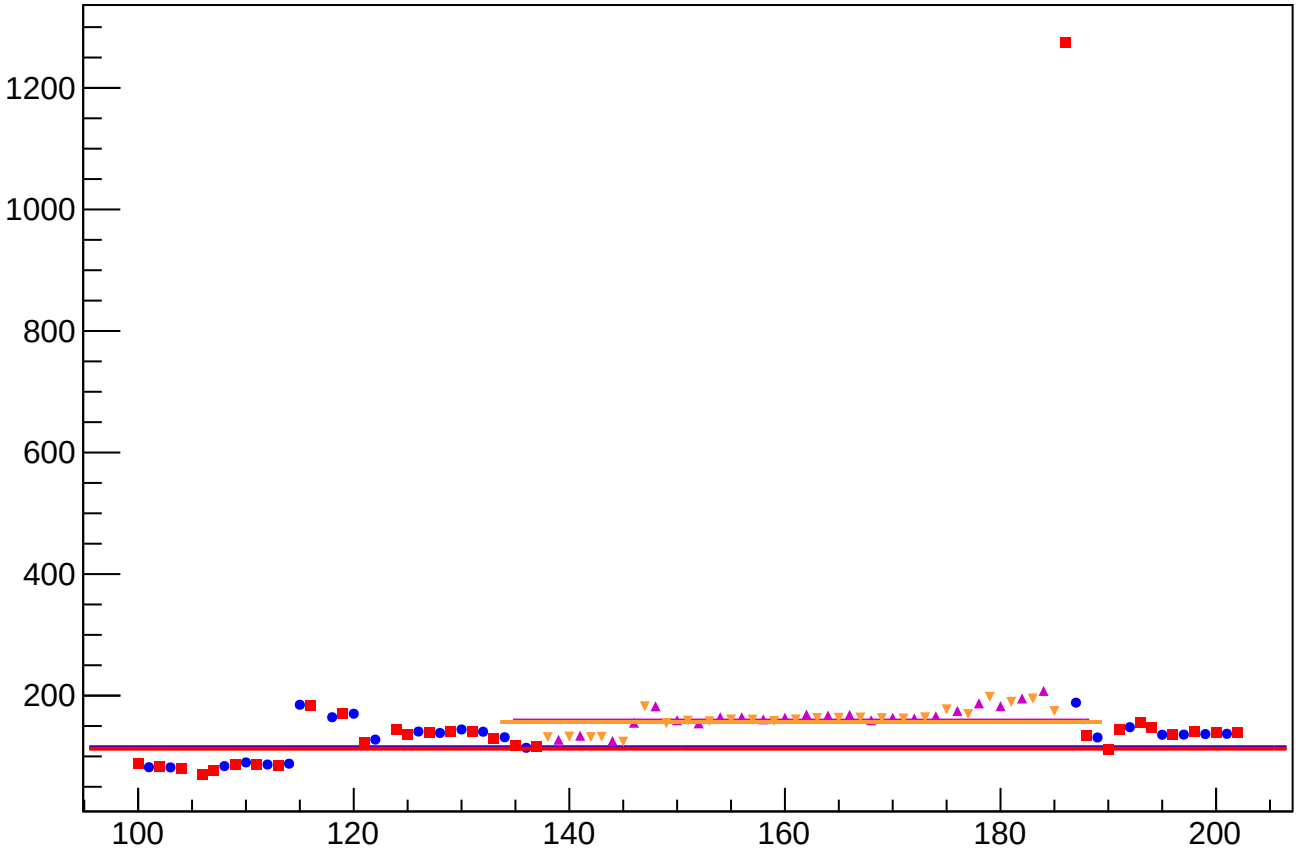
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 123.934+/-24.585 χ^2/NDF: 68.2/47

All: 3.781+/-17.124 χ^2/NDF: 167.6/99

- sign -109.446+/-23.866 χ^2/NDF: 53.0/51

eigen_cor_asym_sam5_rms vs Slug



Right In: 115.035+/-0.024 χ^2/NDF: 1394394.5/22

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 112.756+/-0.022 χ^2/NDF: 2493646.8/28

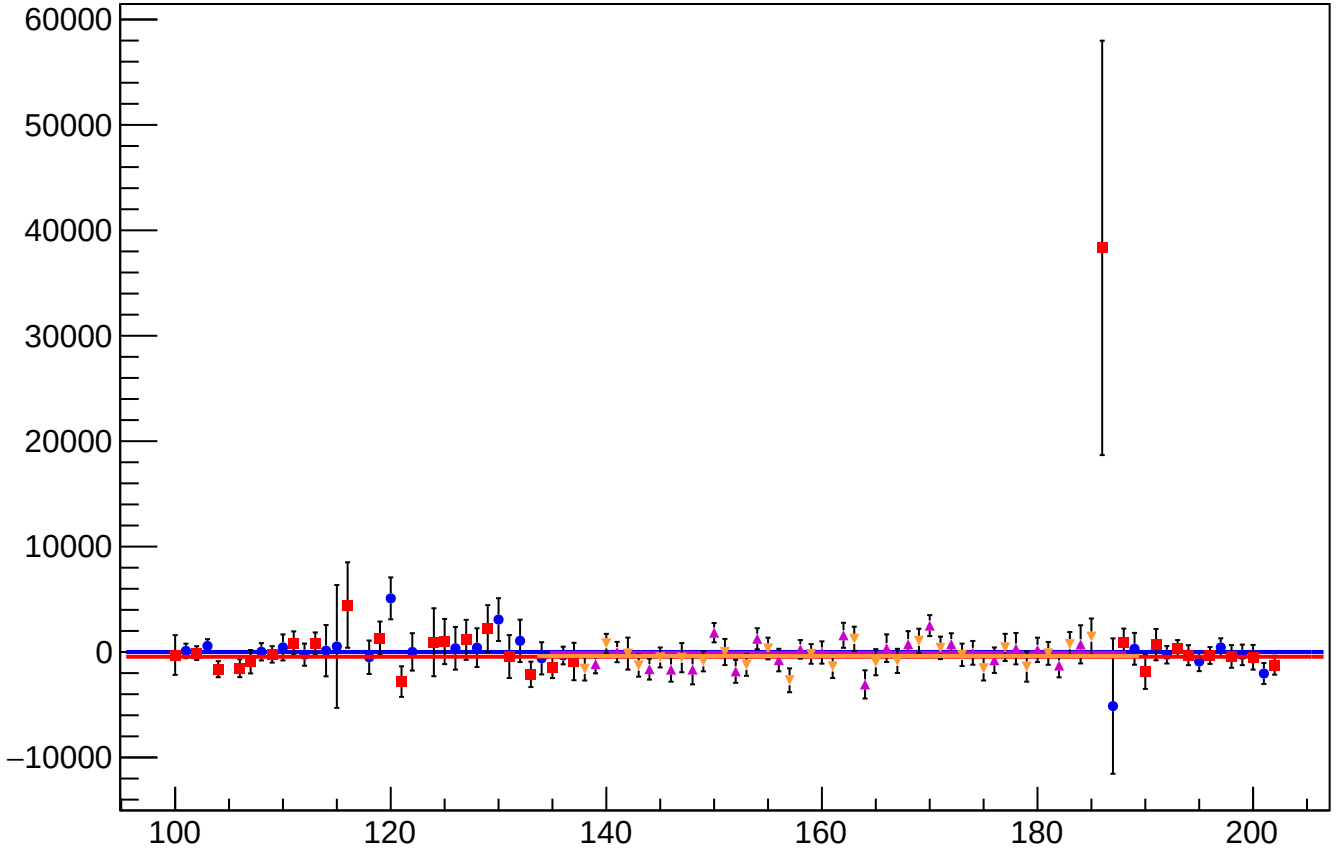
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.570+/-0.017 χ^2/NDF: 3403270.8/47

All: 133.021+/-0.012 χ^2/NDF: 8232292.0/99

- sign 131.562+/-0.017 χ^2/NDF: 4813606.2/51

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 6.269+/-234.798 χ^2/NDF: 17.0/22

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -446.421+/-212.190 χ^2/NDF: 26.3/28

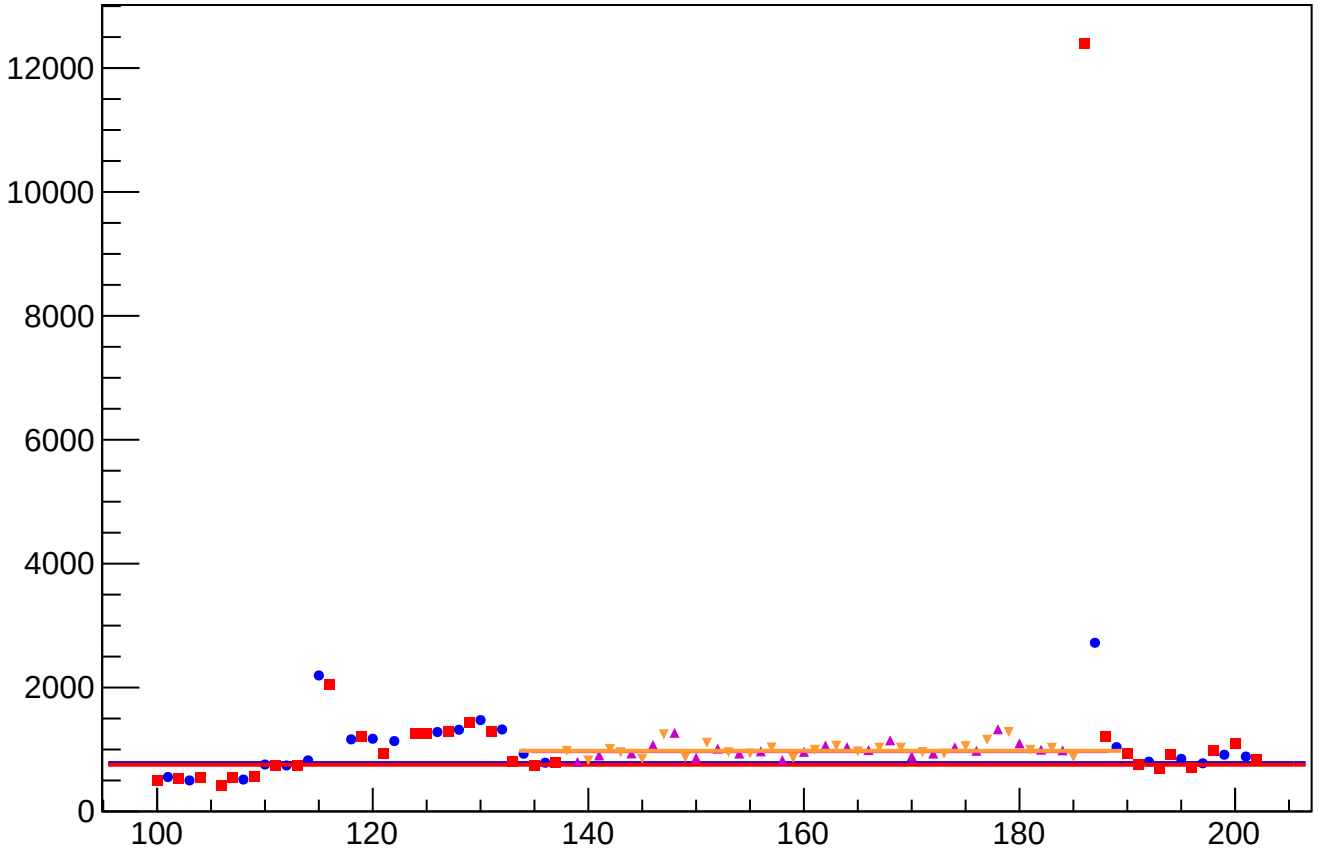
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -195.830+/-162.284 χ^2/NDF: 37.1/47

All: -237.117+/-112.424 χ^2/NDF: 98.0/99

- sign -275.217+/-155.892 χ^2/NDF: 60.8/51

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 780.882+/-0.166 χ^2/NDF: 2205805.6/22

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 753.888+/-0.150 χ^2/NDF: 3321756.7/28

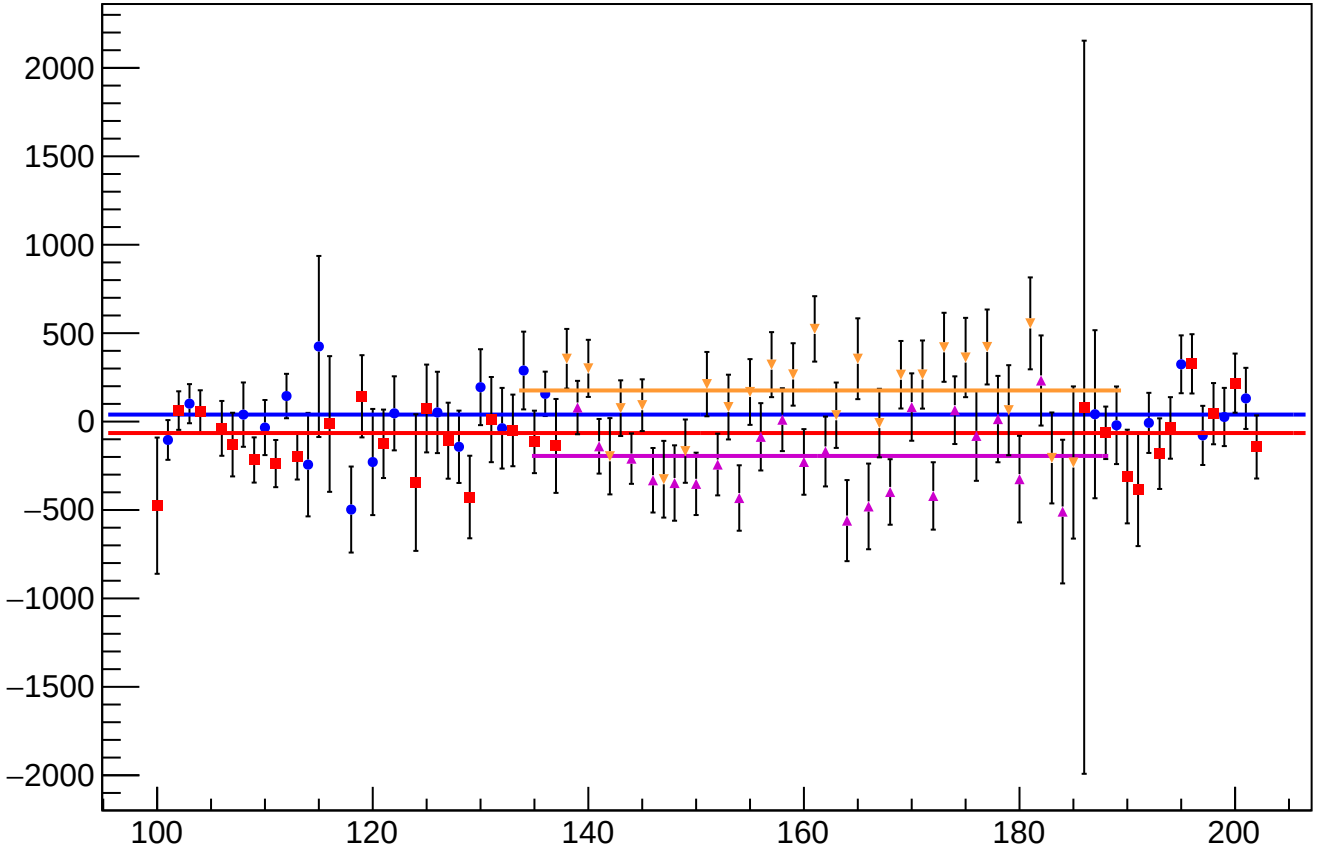
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 884.415+/-0.115 χ^2/NDF: 3380144.8/47

All: 869.174+/-0.079 χ^2/NDF: 8223304.6/99

- sign 855.110+/-0.110 χ^2/NDF: 4809240.5/51

dit_asym_sam5_mean vs Slug



Right In: 39.608+/-36.928 χ^2/NDF: 17.6/22

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -64.758+/-33.856 χ^2/NDF: 23.3/28

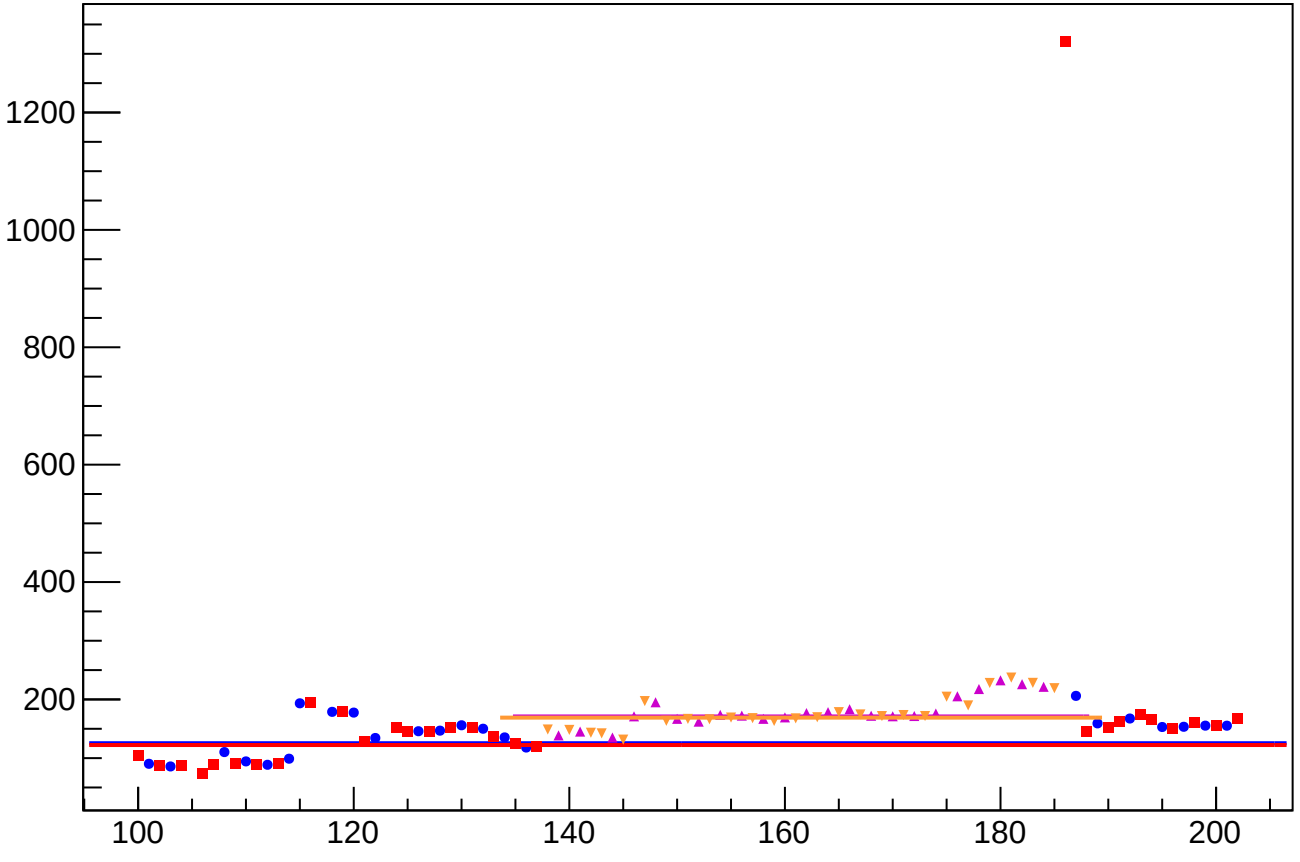
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 104.374+/-26.762 χ^2/NDF: 54.8/47

All: -10.381+/-18.628 χ^2/NDF: 143.7/99

- sign -118.237+/-25.945 χ^2/NDF: 53.2/51

dit_asym_sam5_rms vs Slug



Right In: 125.403+/-0.026 χ^2/NDF: 1506371.3/22

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 122.339+/-0.024 χ^2/NDF: 2728482.5/28

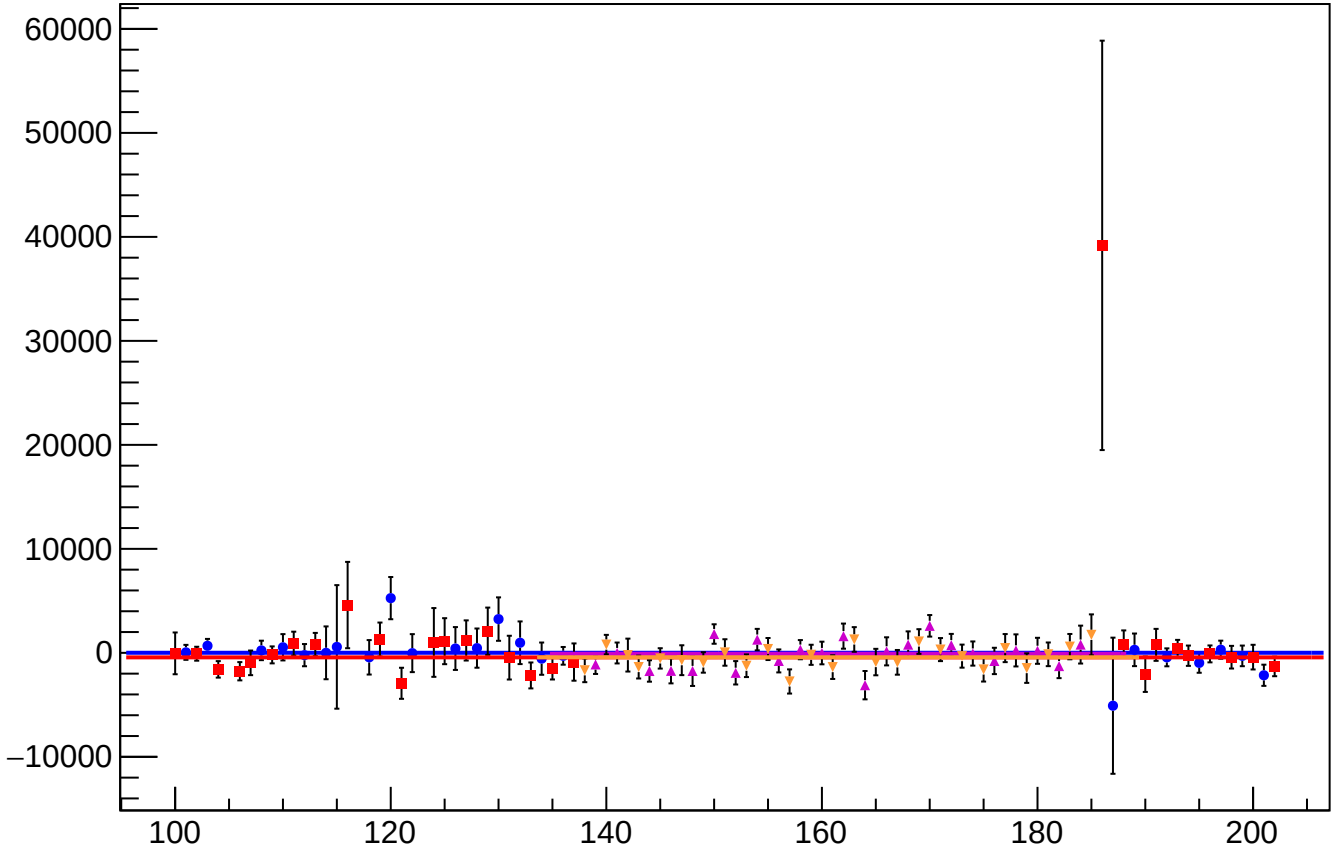
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.108+/-0.019 χ^2/NDF: 3604442.4/47

All: 144.213+/-0.013 χ^2/NDF: 8737238.2/99

- sign 142.433+/-0.018 χ^2/NDF: 5113351.5/51

asym_sam5_dit_correction_mean vs Slug



Right In: 7.162+/-243.162 χ^2/NDF: 17.7/22

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -435.675+/-219.208 χ^2/NDF: 27.1/28

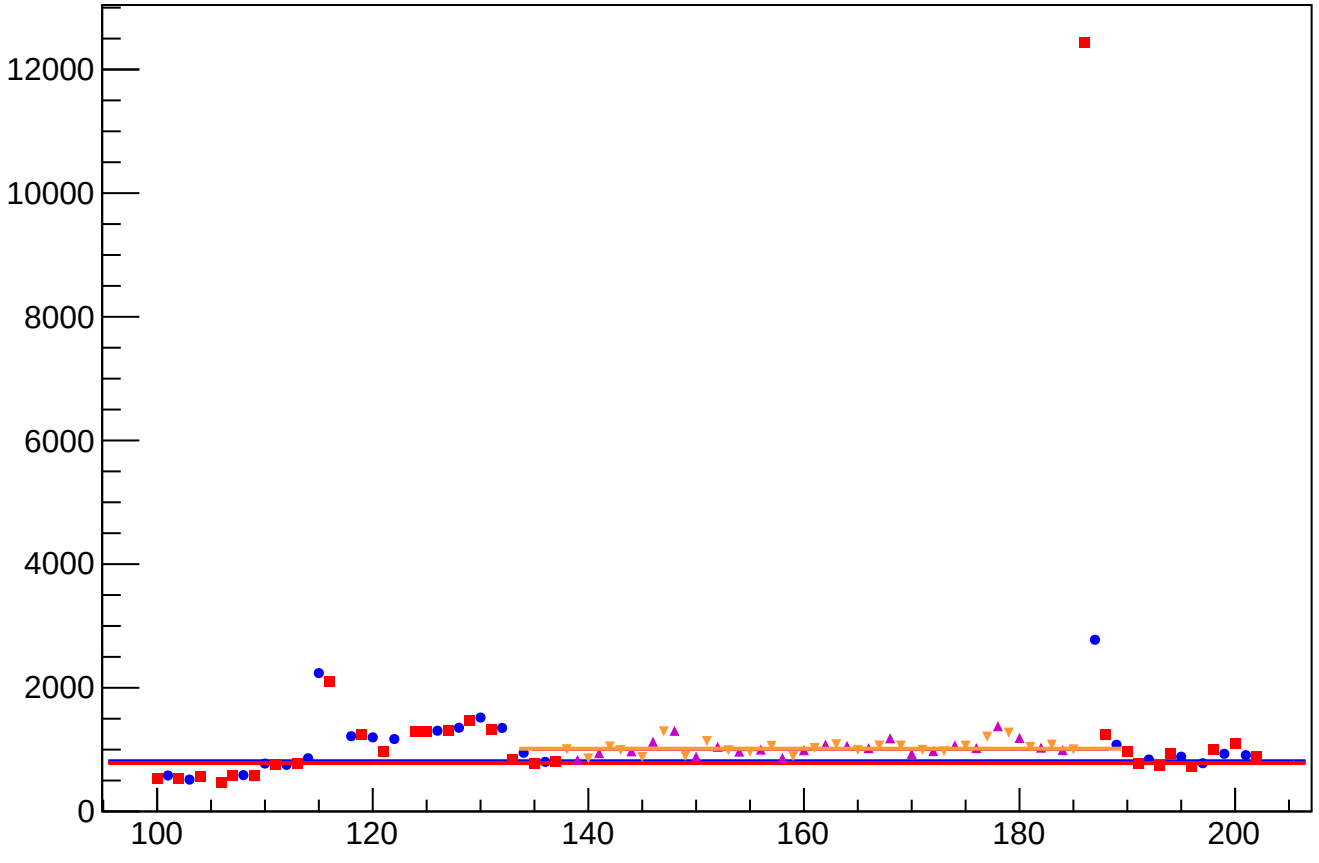
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

\+ sign -218.973+/-168.068 χ^2/NDF: 37.8/47

All: -248.411+/-116.370 χ^2/NDF: 98.5/99

\- sign -275.521+/-161.286 χ^2/NDF: 60.6/51

asym_sam5_dit_correction_rms vs Slug



Right In: 811.660+/-0.172 χ^2/NDF: 2082056.5/22

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 783.063+/-0.155 χ^2/NDF: 3175244.0/28

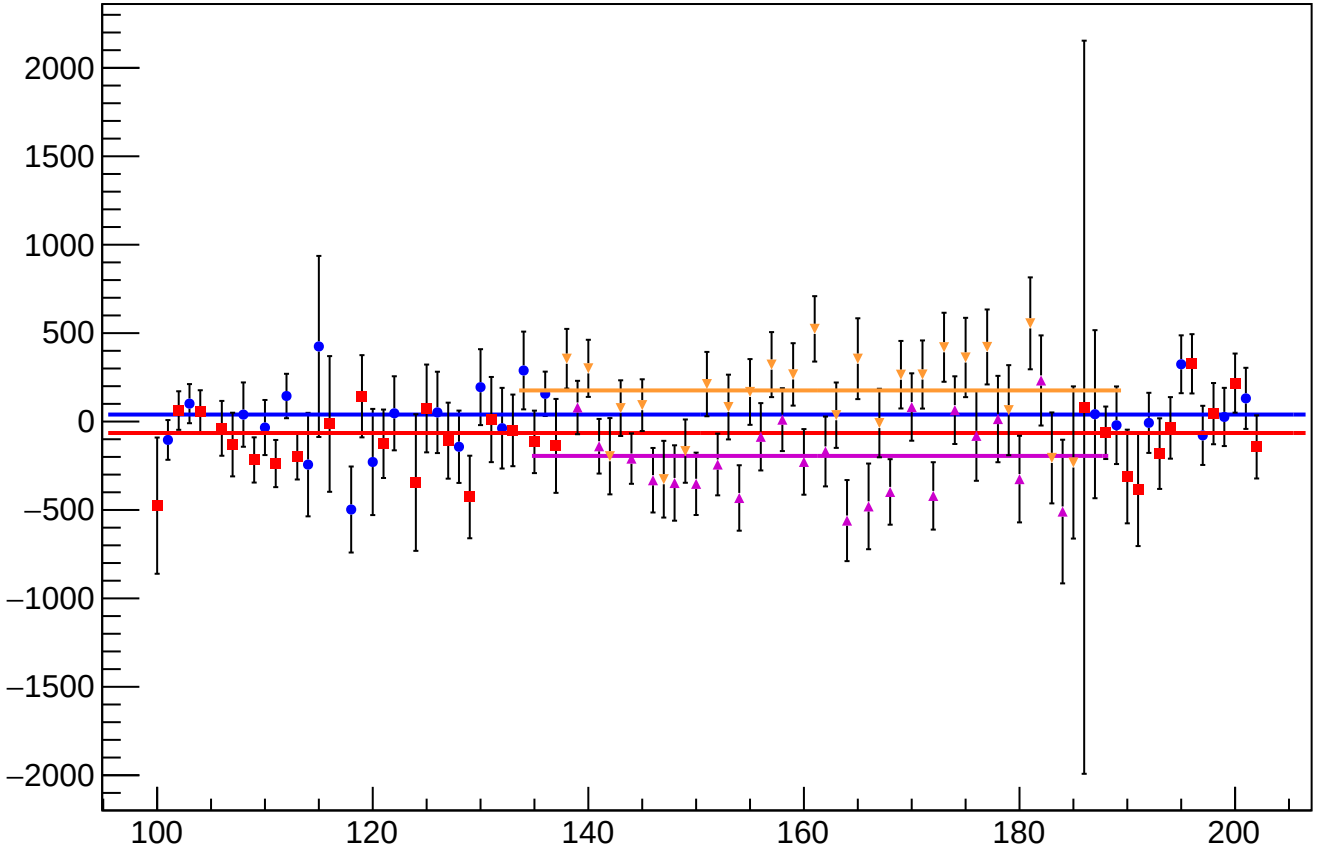
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 917.883+/-0.119 χ^2/NDF: 3210791.3/47

All: 901.804+/-0.082 χ^2/NDF: 7900262.2/99

- sign 886.996+/-0.114 χ^2/NDF: 4654305.9/51

eigen_dit_asym_sam5_mean vs Slug



Right In: 39.608+/-36.928 χ^2/NDF: 17.6/22

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -64.758+/-33.856 χ^2/NDF: 23.3/28

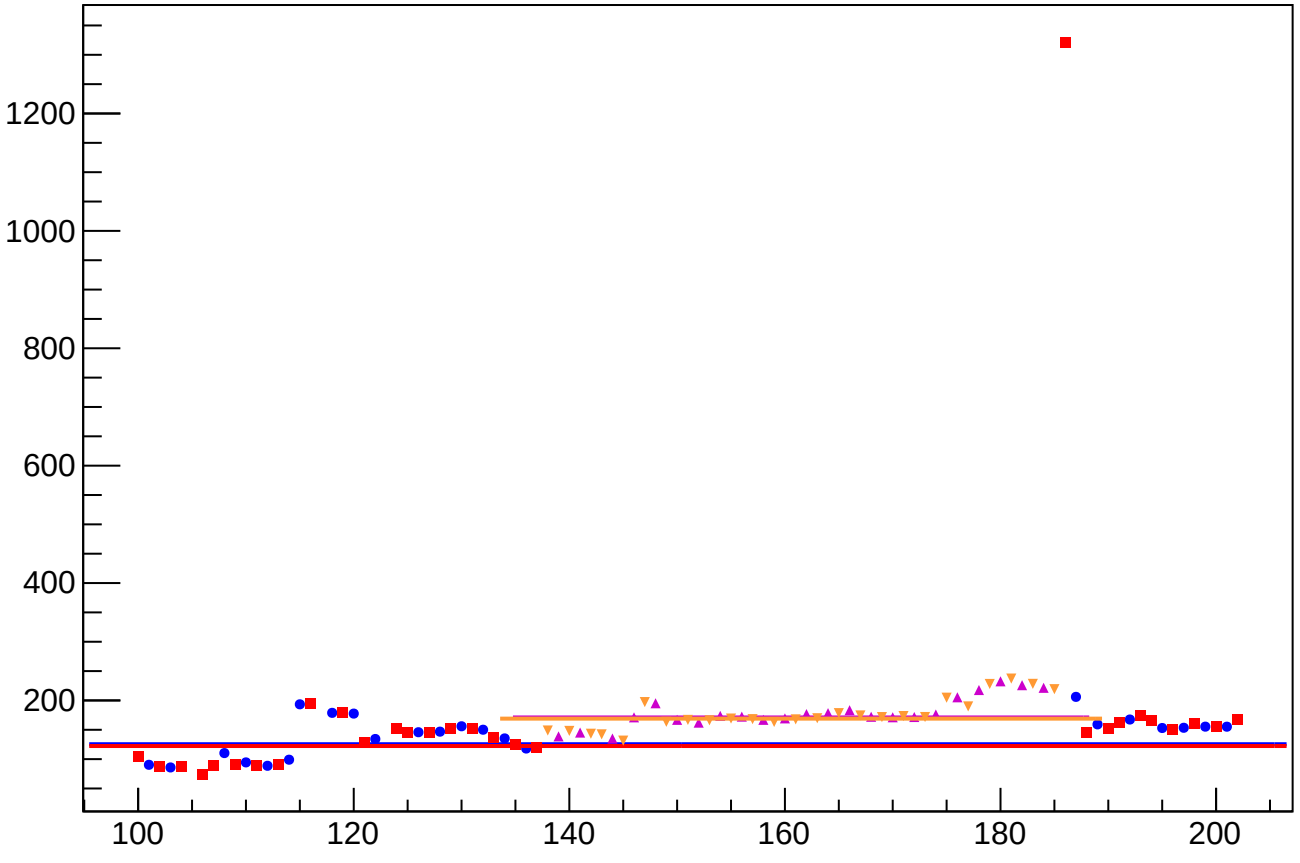
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 104.374+/-26.762 χ^2/NDF: 54.8/47

All: -10.381+/-18.628 χ^2/NDF: 143.7/99

- sign -118.237+/-25.945 χ^2/NDF: 53.2/51

eigen_dit_asym_sam5_rms vs Slug



Right In: 125.403+/-0.026 χ^2/NDF: 1506378.0/22

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 122.339+/-0.024 χ^2/NDF: 2728488.1/28

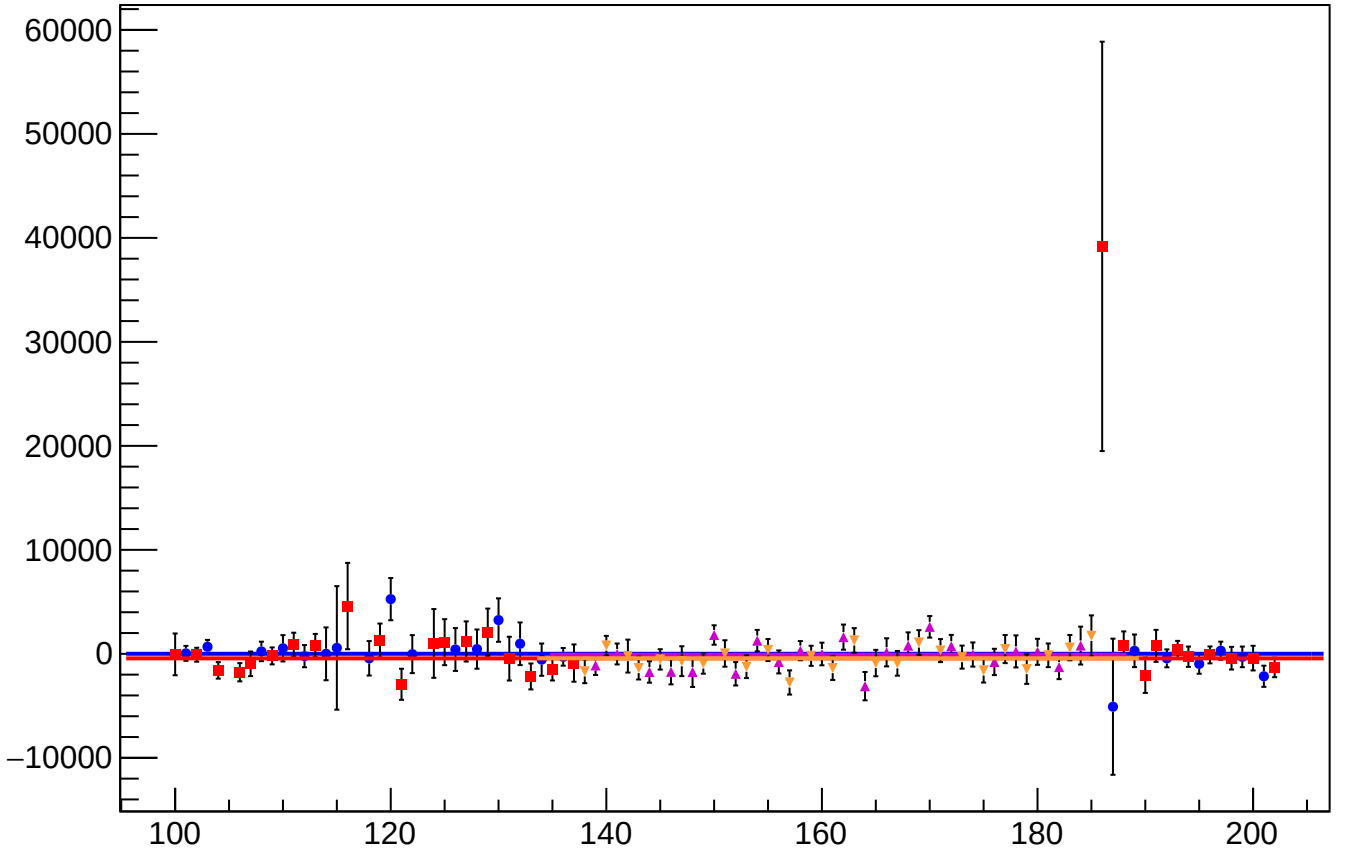
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.108+/-0.019 χ^2/NDF: 3604461.0/47

All: 144.213+/-0.013 χ^2/NDF: 8737279.9/99

- sign 142.433+/-0.018 χ^2/NDF: 5113375.6/51

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 7.163+/-243.162 χ^2/NDF: 17.7/22

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -435.675+/-219.208 χ^2/NDF: 27.1/28

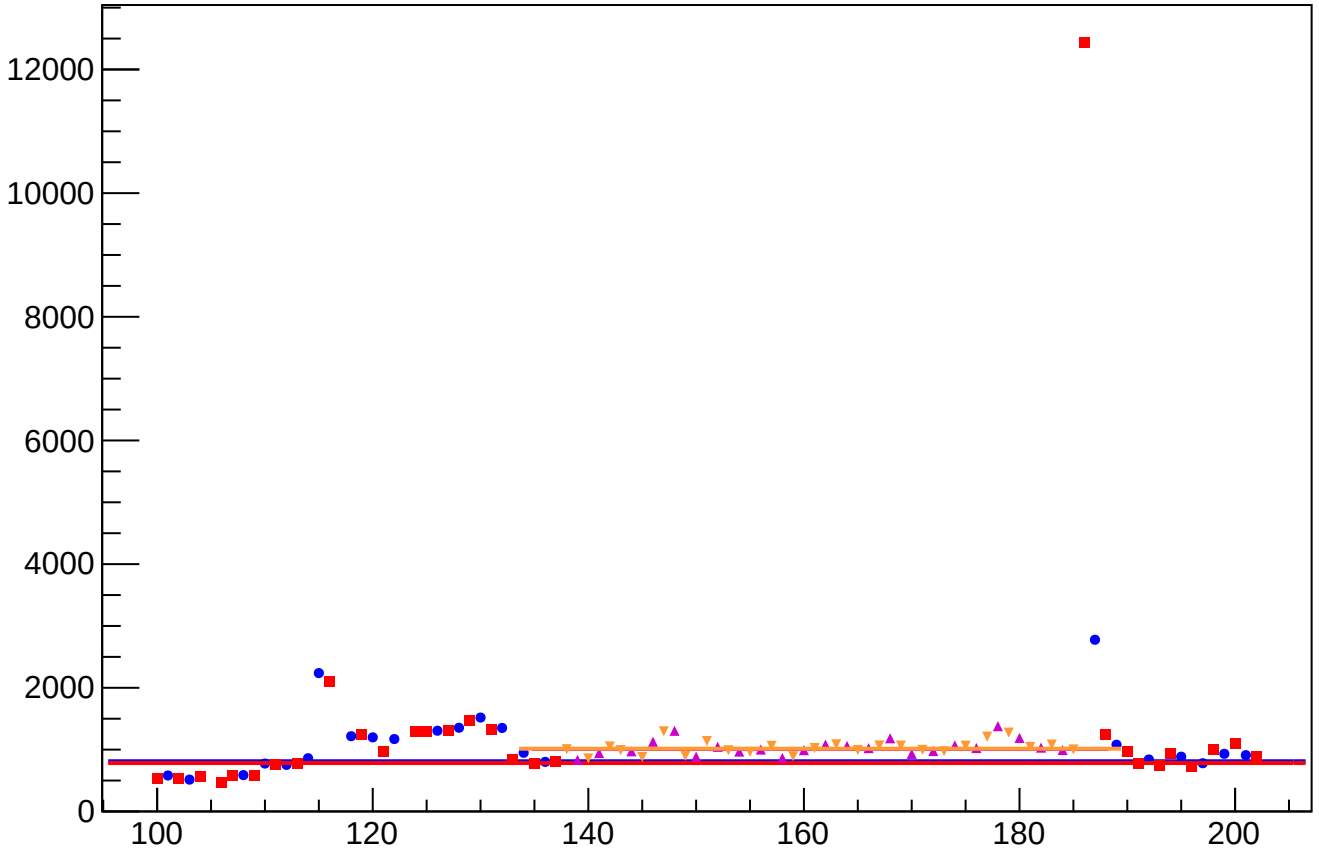
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -218.972+/-168.068 χ^2/NDF: 37.8/47

All: -248.411+/-116.370 χ^2/NDF: 98.5/99

- sign -275.522+/-161.286 χ^2/NDF: 60.6/51

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 811.659+/-0.172 χ^2/NDF: 2082058.7/22

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 783.062+/-0.155 χ^2/NDF: 3175252.2/28

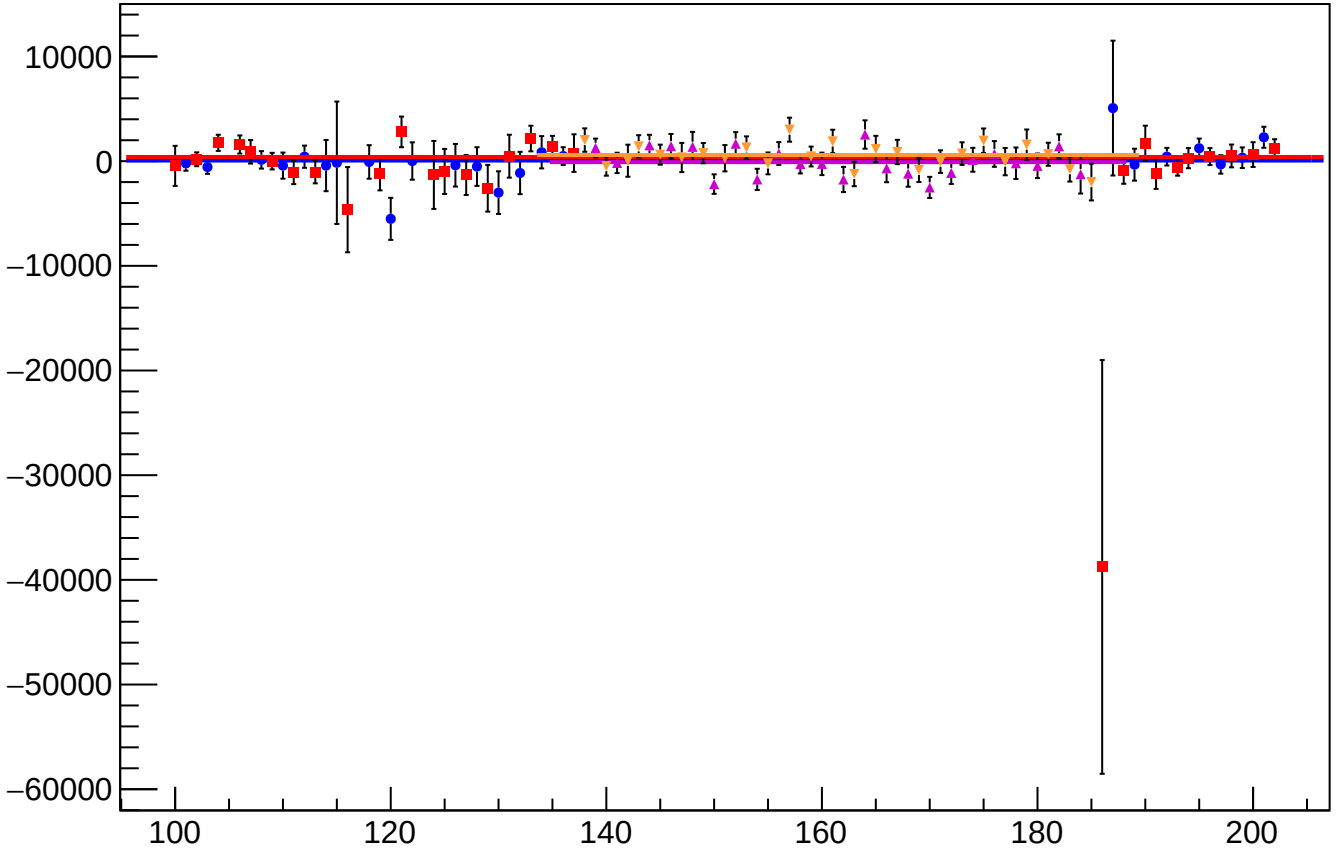
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 917.883+/-0.119 χ^2/NDF: 3210803.8/47

All: 901.804+/-0.082 χ^2/NDF: 7900296.2/99

- sign 886.996+/-0.114 χ^2/NDF: 4654327.6/51

asym_sam5_mean vs Slug



Right In: 61.152+/-237.660 χ^2/NDF: 20.0/22

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 400.807+/-214.931 χ^2/NDF: 29.3/28

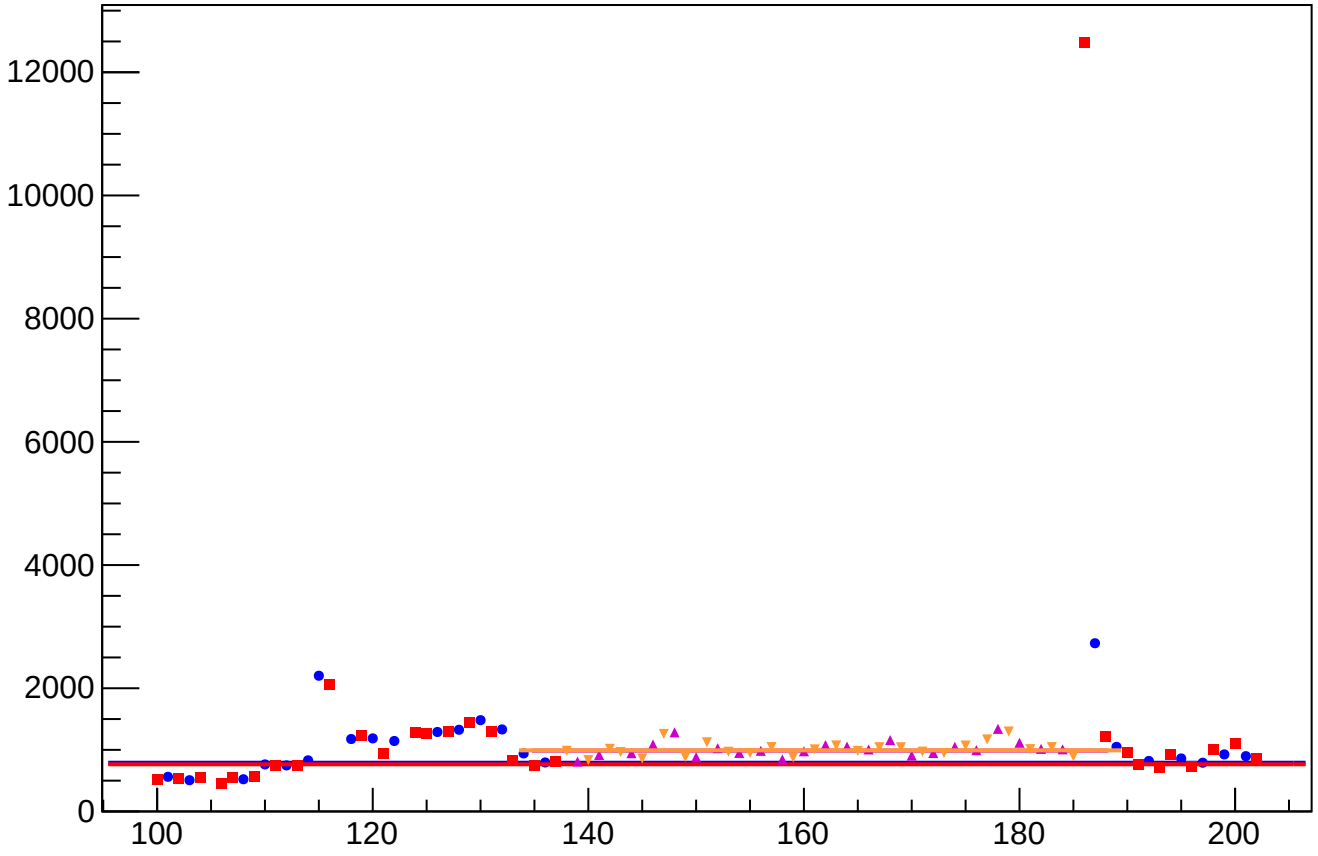
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

\+ sign 335.034+/-164.373 χ^2/NDF: 43.3/47

All: 251.305+/-113.905 χ^2/NDF: 110.1/99

\- sign 173.955+/-157.987 χ^2/NDF: 66.3/51

asym_sam5_rms vs Slug



Right In: 790.953+/-0.168 χ^2/NDF: 2183501.4/22

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

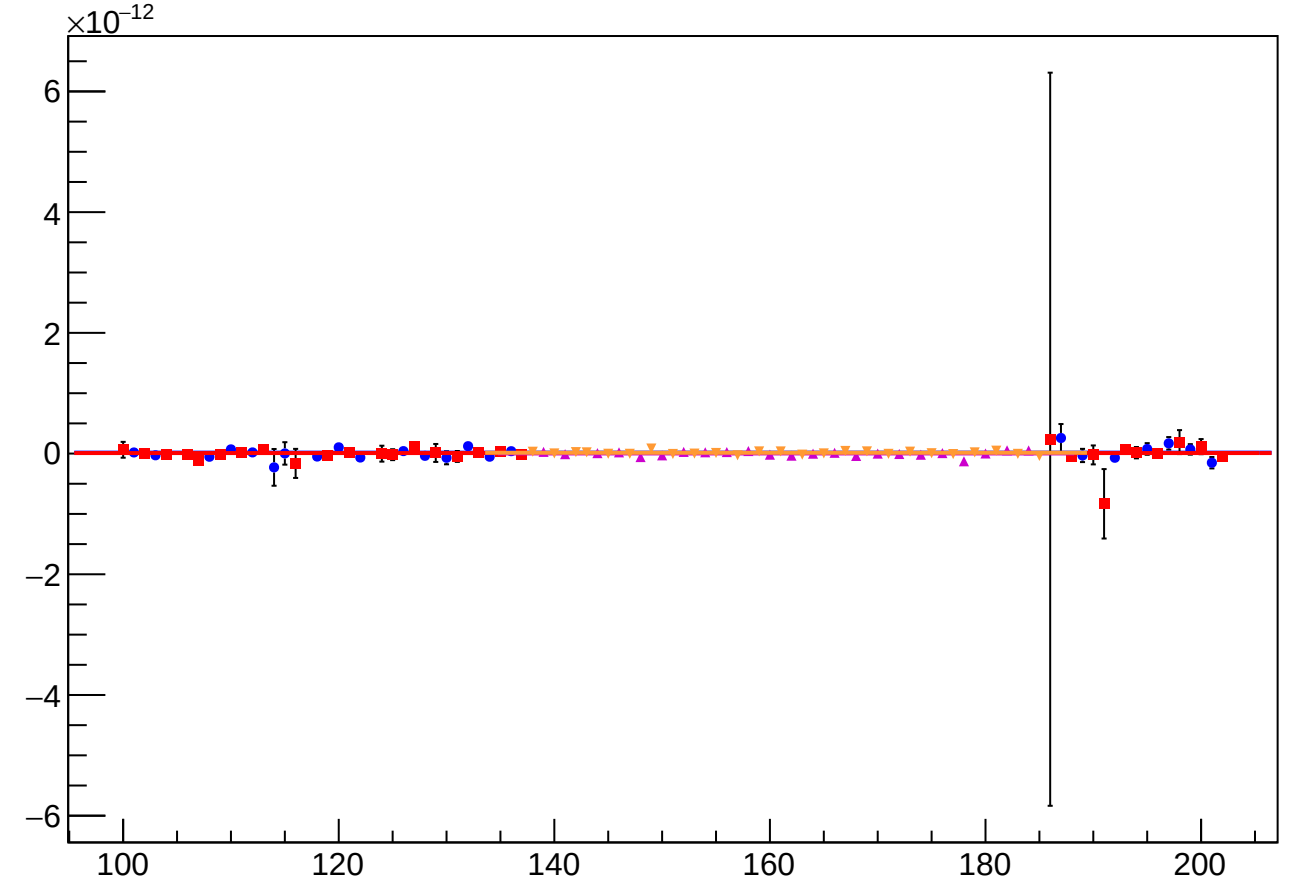
Right Out: 765.560+/-0.152 χ^2/NDF: 3256851.6/28

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 896.115+/-0.116 χ^2/NDF: 3359084.3/47

All: 881.351+/-0.081 χ^2/NDF: 8117533.9/99

- sign 867.713+/-0.112 χ^2/NDF: 4727411.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/28

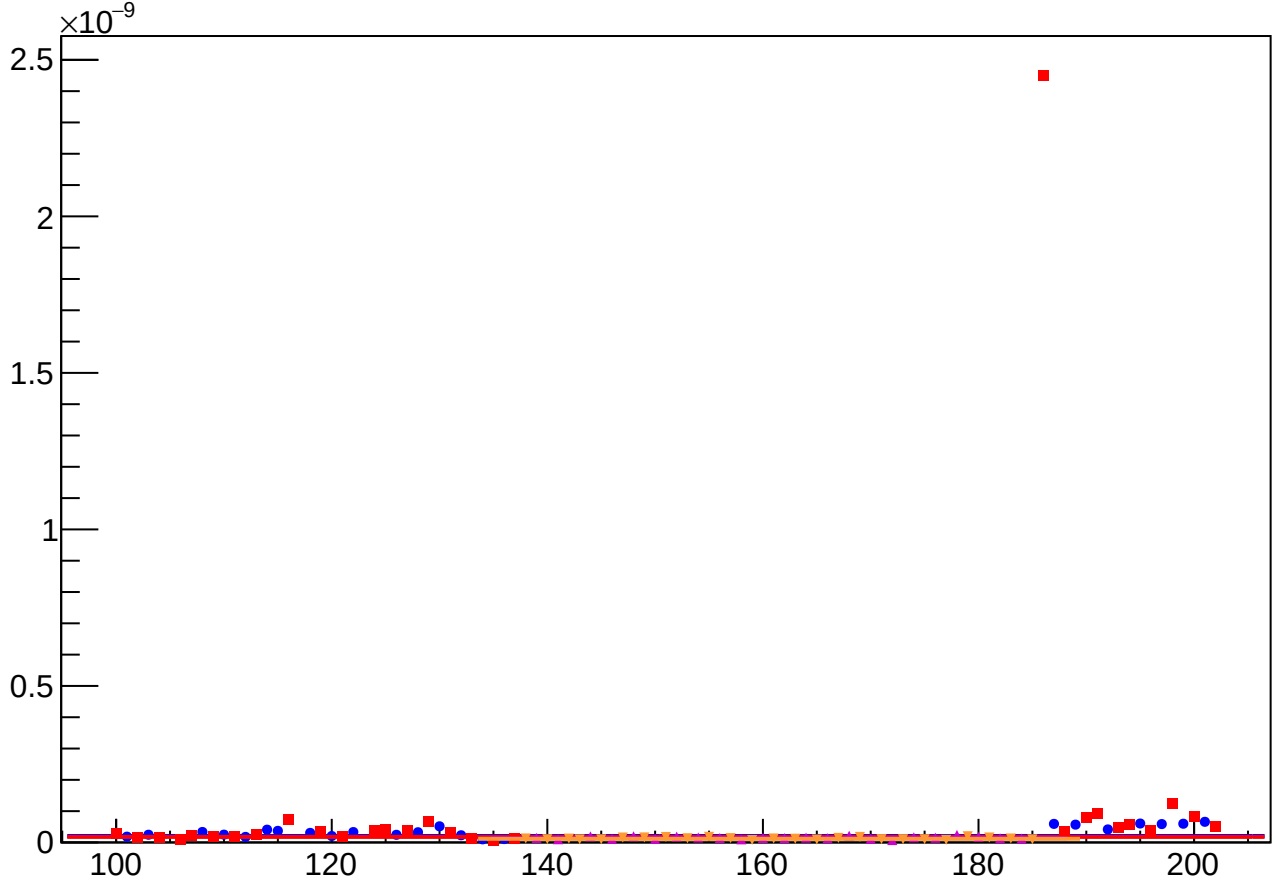
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.0/47

All: 0.000+/-0.000 χ^2/NDF: 101.2/99

- sign 0.000+/-0.000 χ^2/NDF: 48.7/51

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3258222.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5157493.3/28

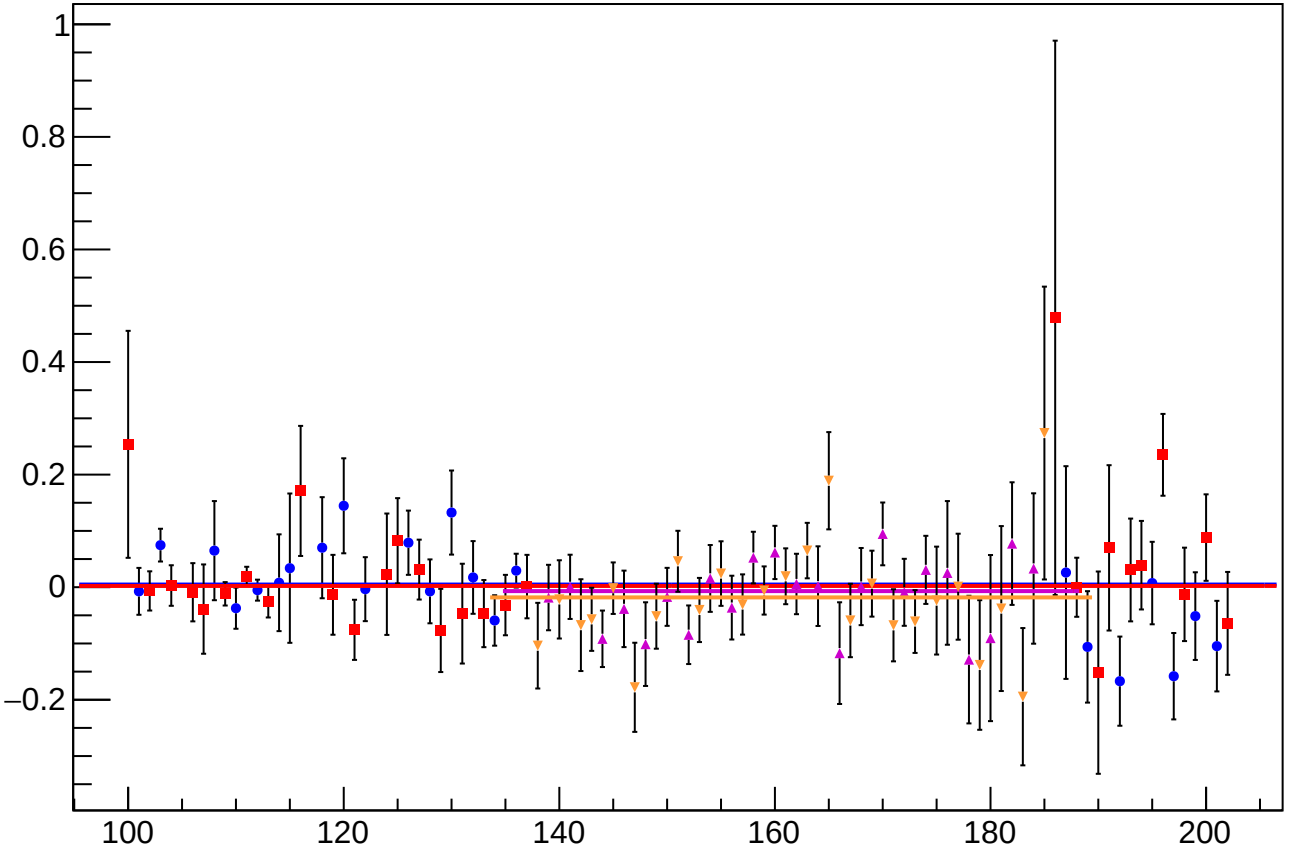
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5257900.5/47

All: 0.000+/-0.000 χ^2/NDF: 11708869.9/99

- sign 0.000+/-0.000 χ^2/NDF: 6357631.9/51

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.010 χ^2/NDF: 31.5/22

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 27.0/28

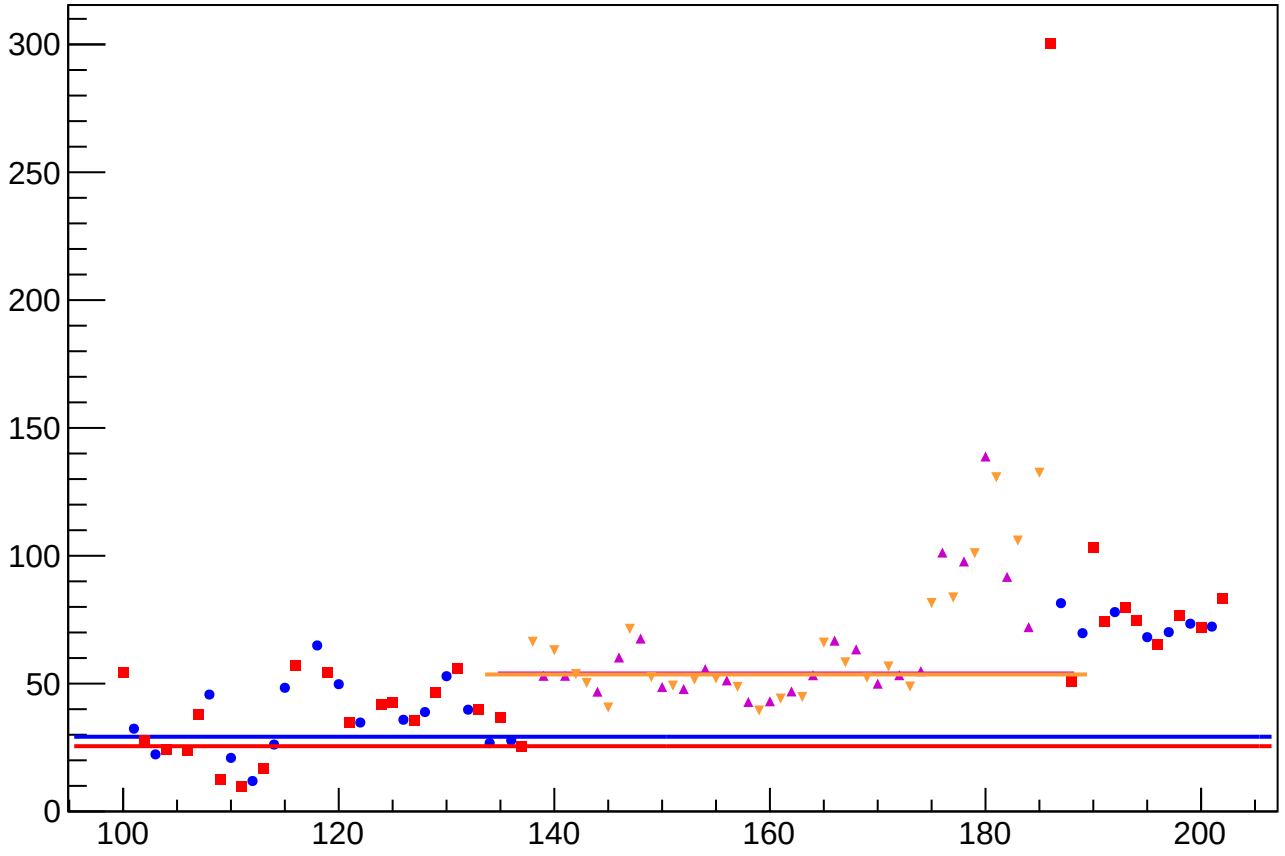
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.8/47

All: -0.002+/-0.005 χ^2/NDF: 104.0/99

- sign -0.001+/-0.007 χ^2/NDF: 46.1/51

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 29.220+/-0.007 χ^2/NDF: 6468400.2/22

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 25.524+/-0.006 χ^2/NDF: 10239081.4/28

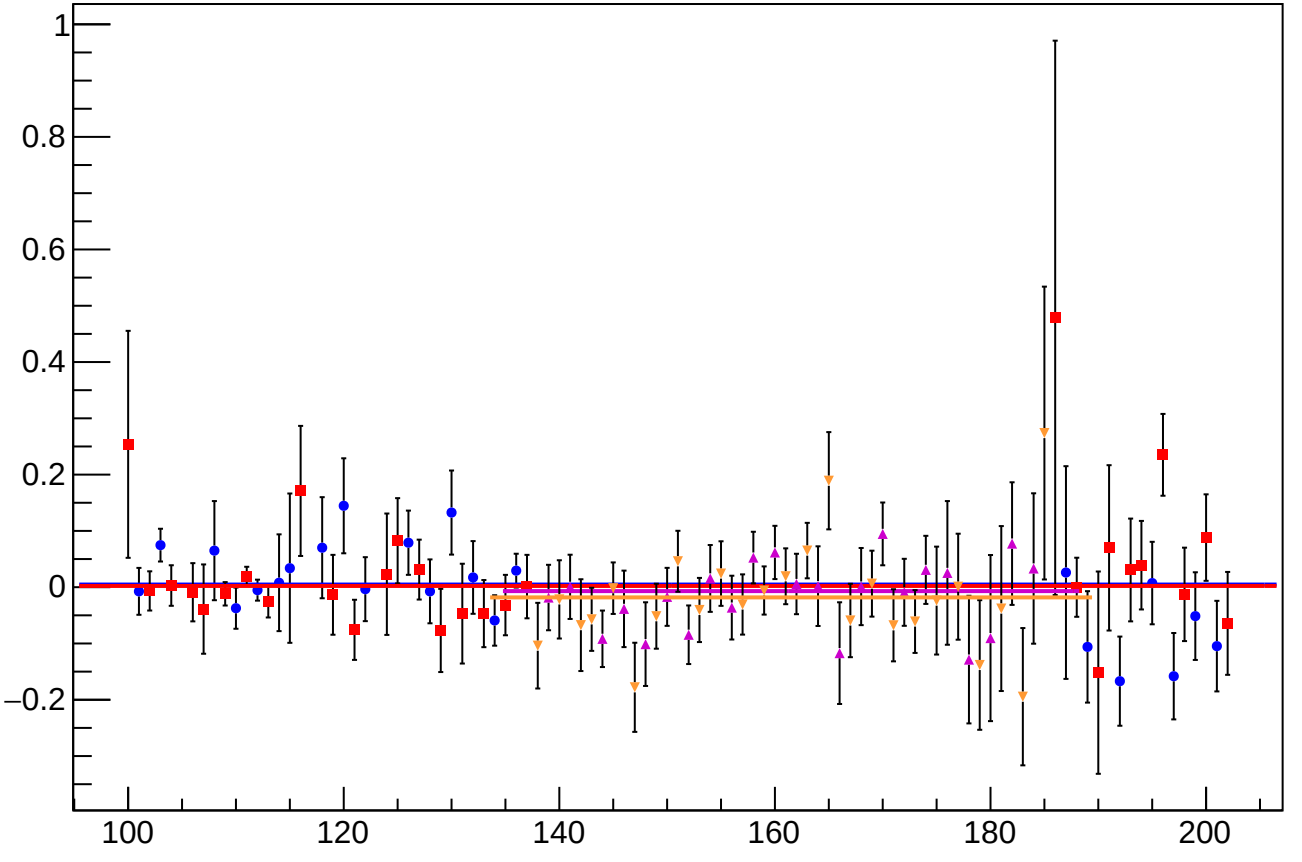
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 38.519+/-0.006 χ^2/NDF: 13590113.7/47

All: 36.180+/-0.004 χ^2/NDF: 32650806.2/99

- sign 34.195+/-0.005 χ^2/NDF: 18737276.7/51

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.010 χ^2/NDF: 31.5/22

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 27.0/28

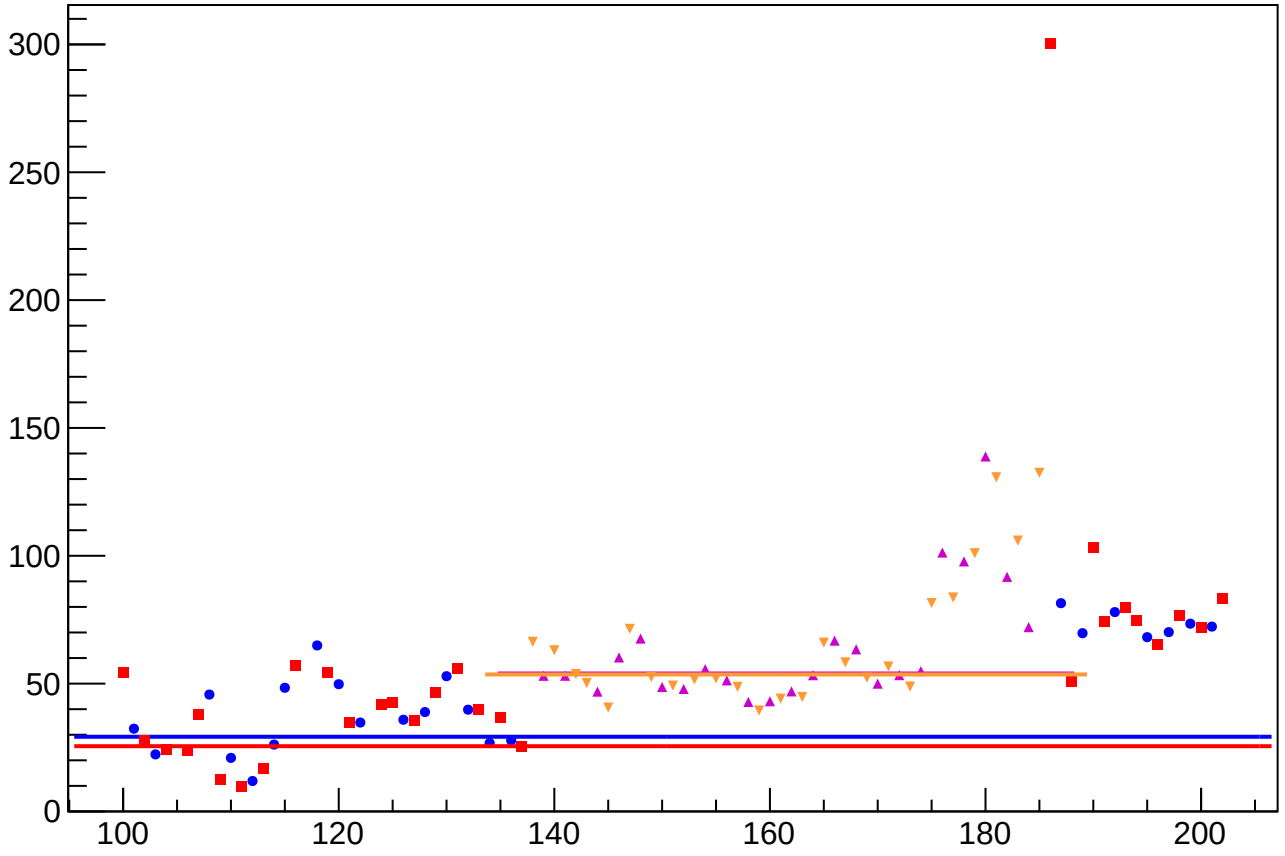
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.8/47

All: -0.002+/-0.005 χ^2/NDF: 104.0/99

- sign -0.001+/-0.007 χ^2/NDF: 46.1/51

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.220+/-0.007 χ^2/NDF: 6468400.2/22

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

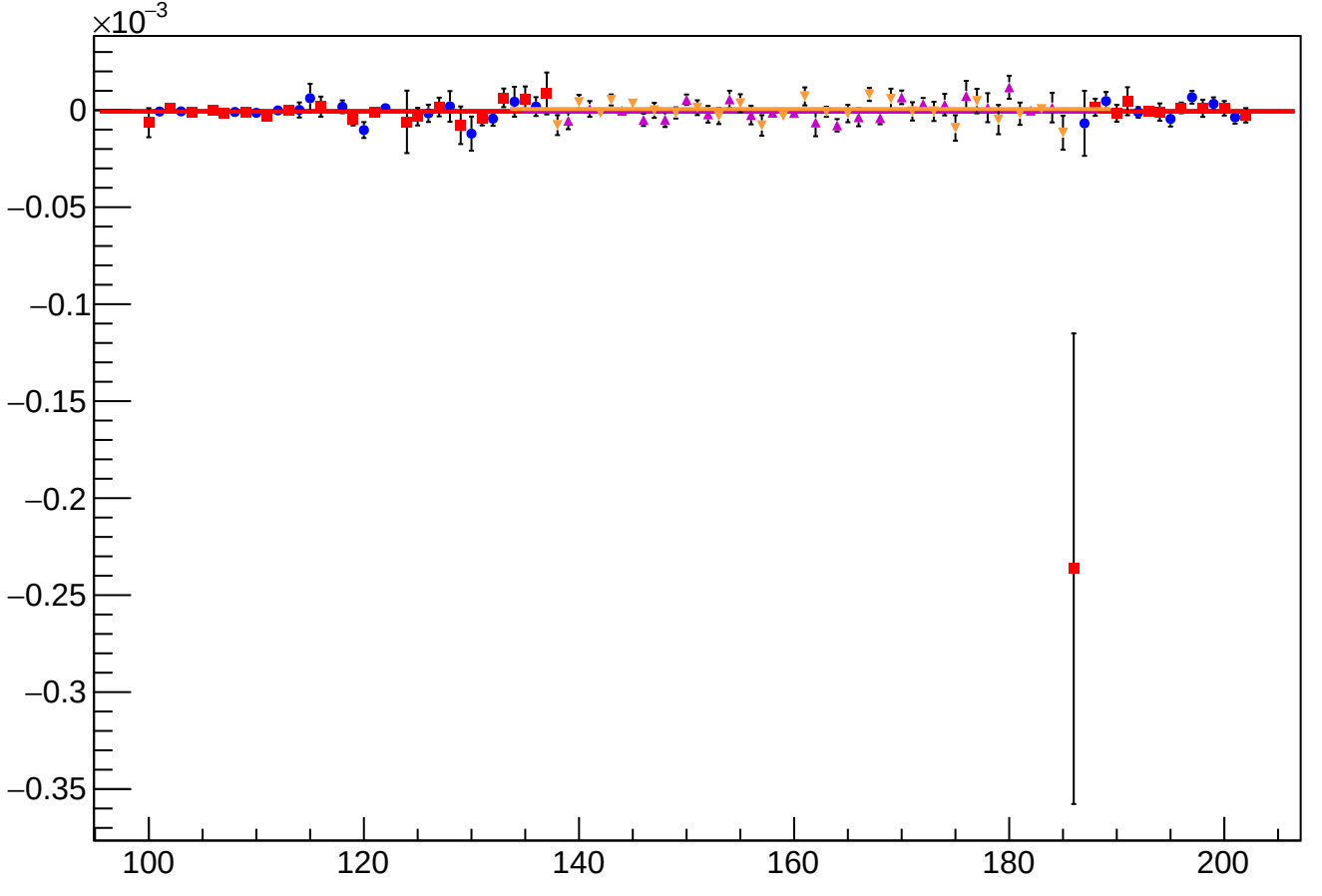
Right Out: 25.524+/-0.006 χ^2/NDF: 10239081.4/28

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 38.519+/-0.006 χ^2/NDF: 13590113.7/47

All: 36.180+/-0.004 χ^2/NDF: 32650806.2/99

- sign 34.195+/-0.005 χ^2/NDF: 18737276.7/51



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/28

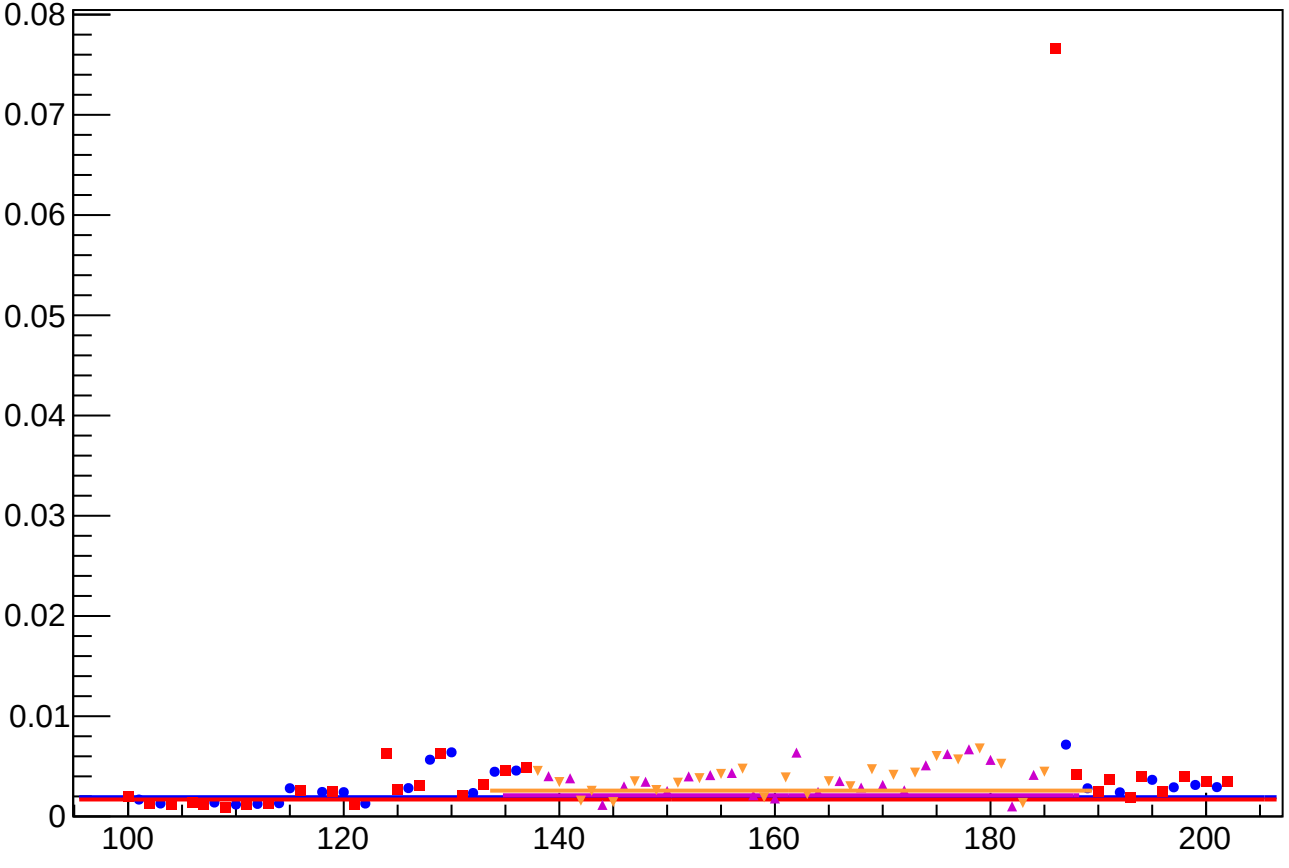
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/47

All: -0.000+/-0.000 χ^2/NDF: 103.0/99

- sign -0.000+/-0.000 χ^2/NDF: 48.8/51

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4575666.4/22

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7209786.4/28

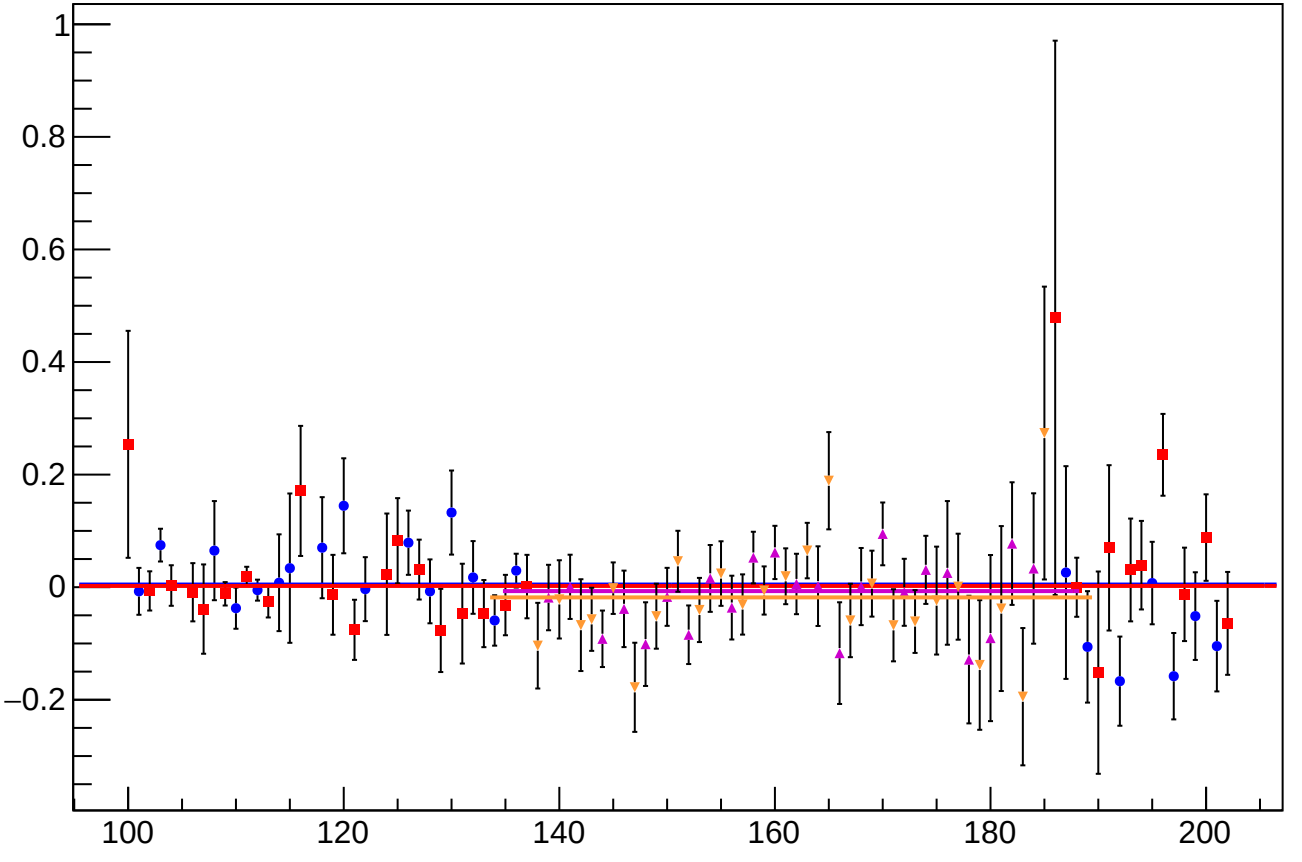
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12725668.4/47

All: 0.002+/-0.000 χ^2/NDF: 30668159.2/99

- sign 0.002+/-0.000 χ^2/NDF: 17270421.6/51

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.010 χ^2/NDF: 31.5/22

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 27.0/28

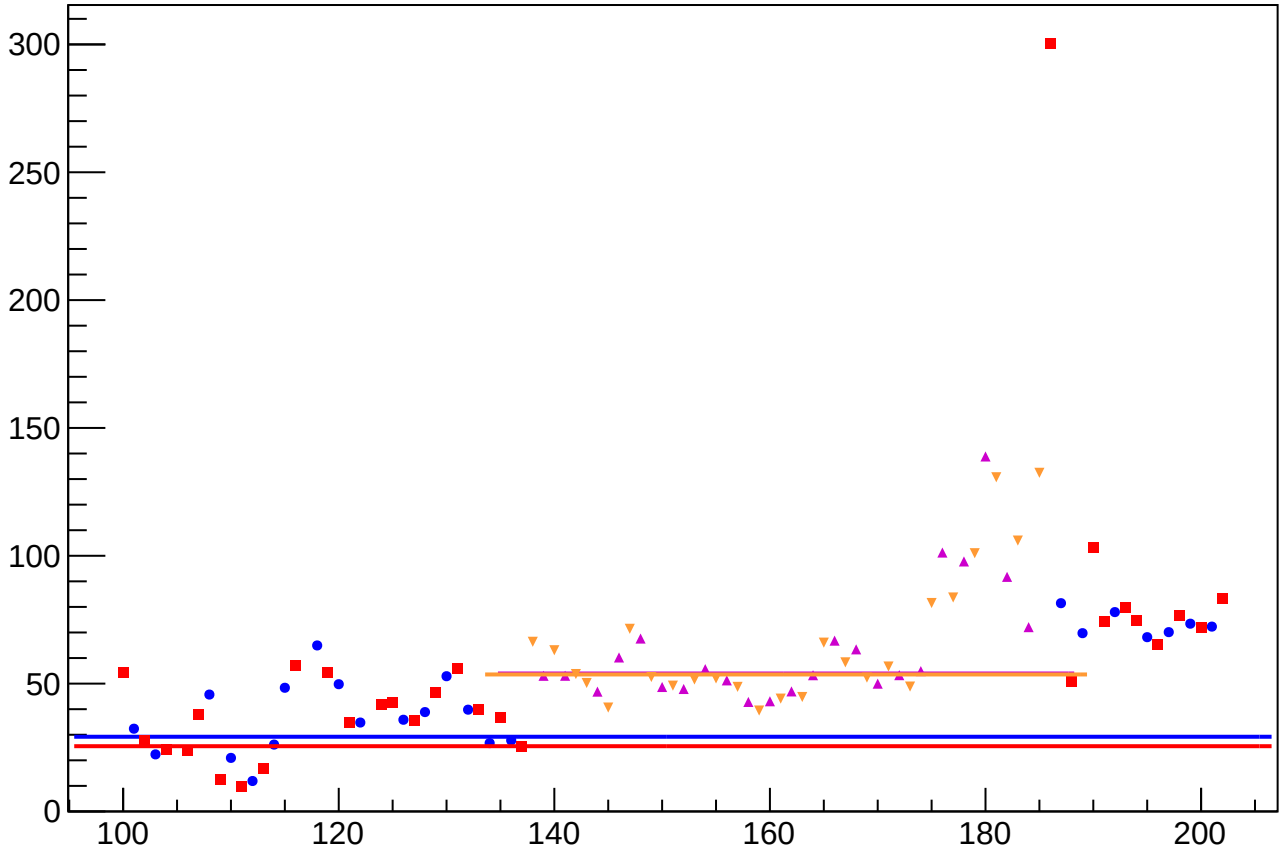
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.8/47

All: -0.002+/-0.005 χ^2/NDF: 104.0/99

- sign -0.001+/-0.007 χ^2/NDF: 46.1/51

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.219+/-0.007 χ^2/NDF: 6468459.3/22

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

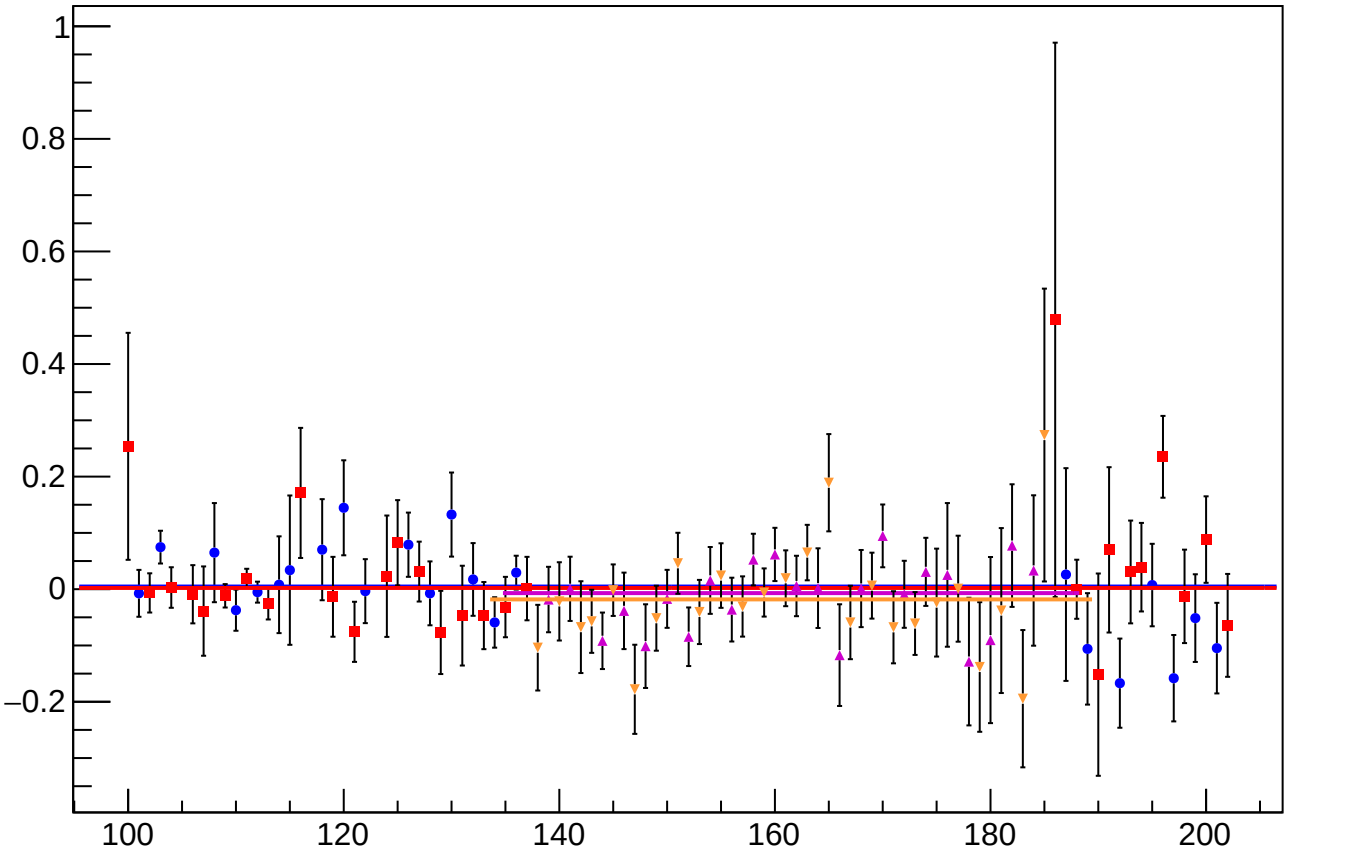
Right Out: 25.524+/-0.006 χ^2/NDF: 10239240.9/28

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 38.518+/-0.006 χ^2/NDF: 13590588.2/47

All: 36.179+/-0.004 χ^2/NDF: 32651975.9/99

- sign 34.194+/-0.005 χ^2/NDF: 18737944.3/51



Right In: 0.005+/-0.010 χ^2/NDF: 31.5/22

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

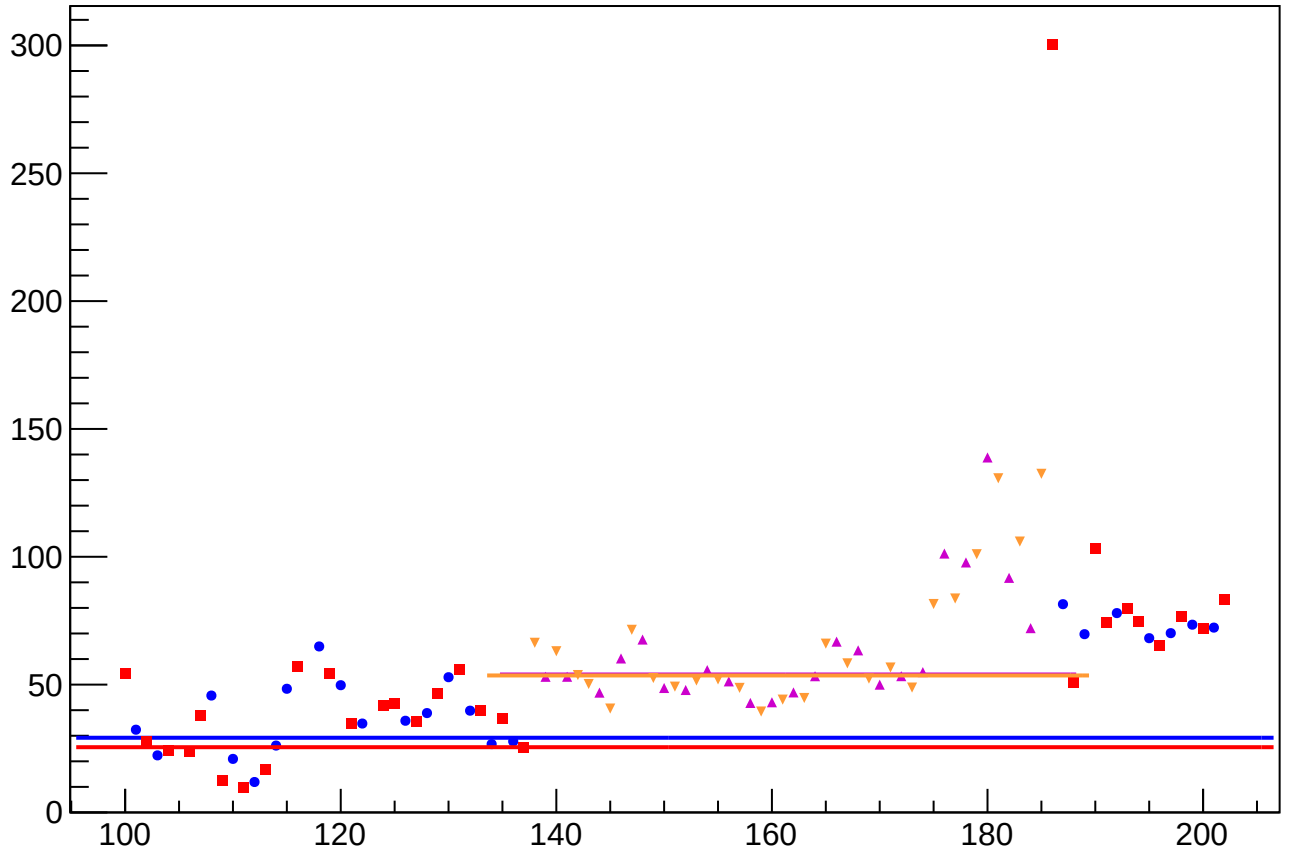
Right Out: 0.002+/-0.009 χ^2/NDF: 27.0/28

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.8/47

All: -0.002+/-0.005 χ^2/NDF: 104.0/99

- sign -0.001+/-0.007 χ^2/NDF: 46.1/51



Right In: 29.219+/-0.007 χ^2/NDF: 6468459.3/22

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

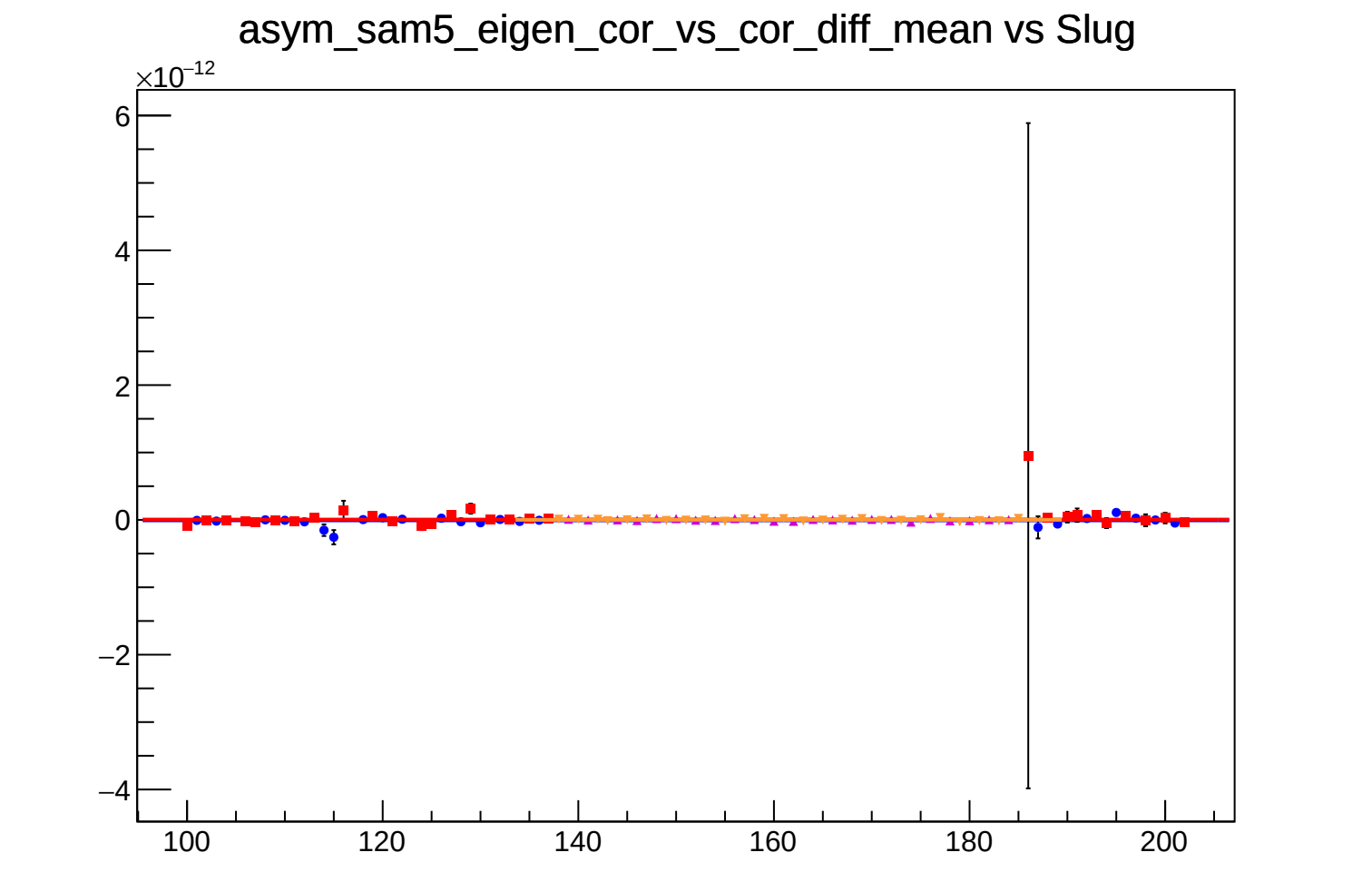
Right Out: 25.524+/-0.006 χ^2/NDF: 10239240.9/28

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 38.518+/-0.006 χ^2/NDF: 13590588.2/47

All: 36.179+/-0.004 χ^2/NDF: 32651975.9/99

- sign 34.194+/-0.005 χ^2/NDF: 18737944.3/51



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

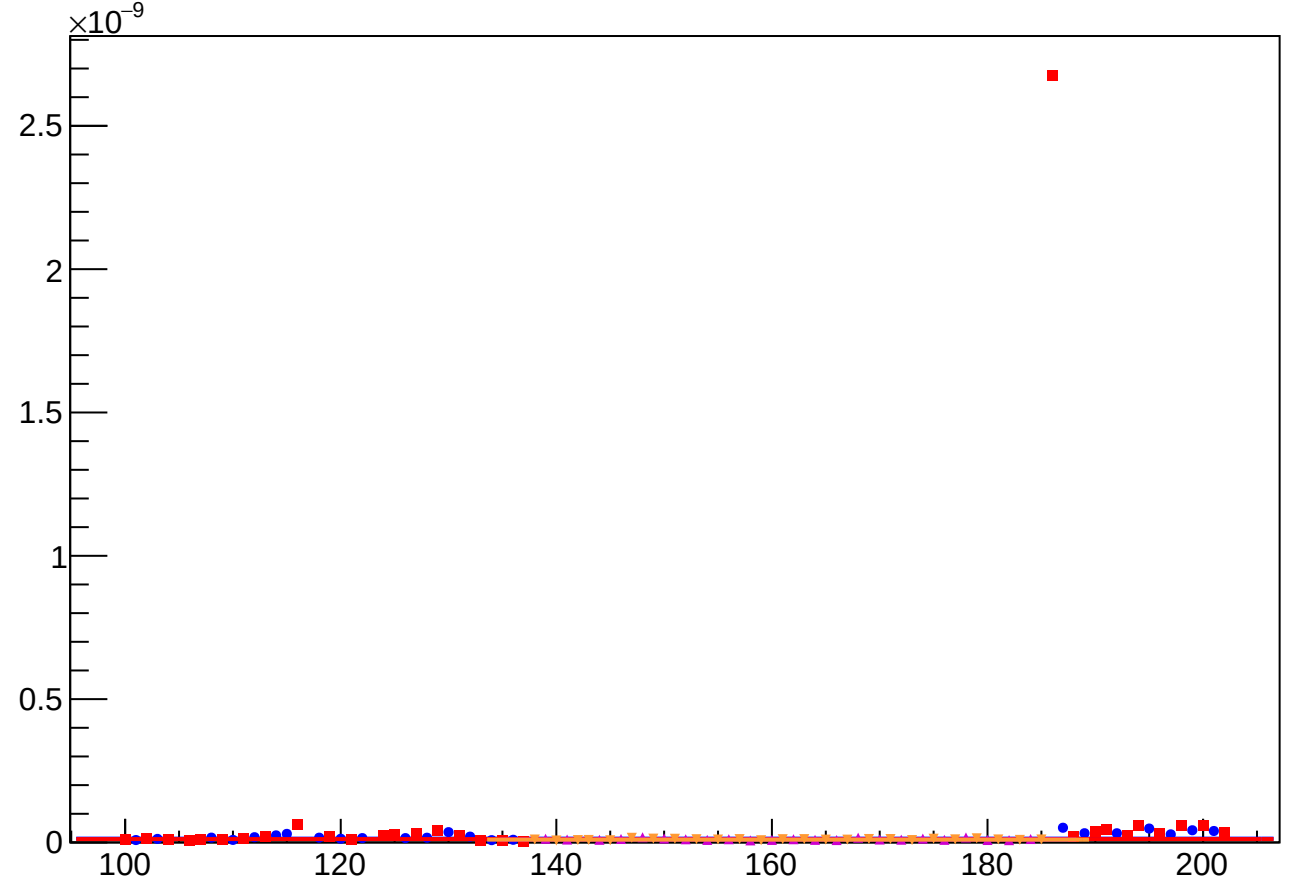
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.1/47

All: 0.000+/-0.000 χ^2/NDF: 104.0/99

- sign 0.000+/-0.000 χ^2/NDF: 53.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 4043083.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7391071.0/28

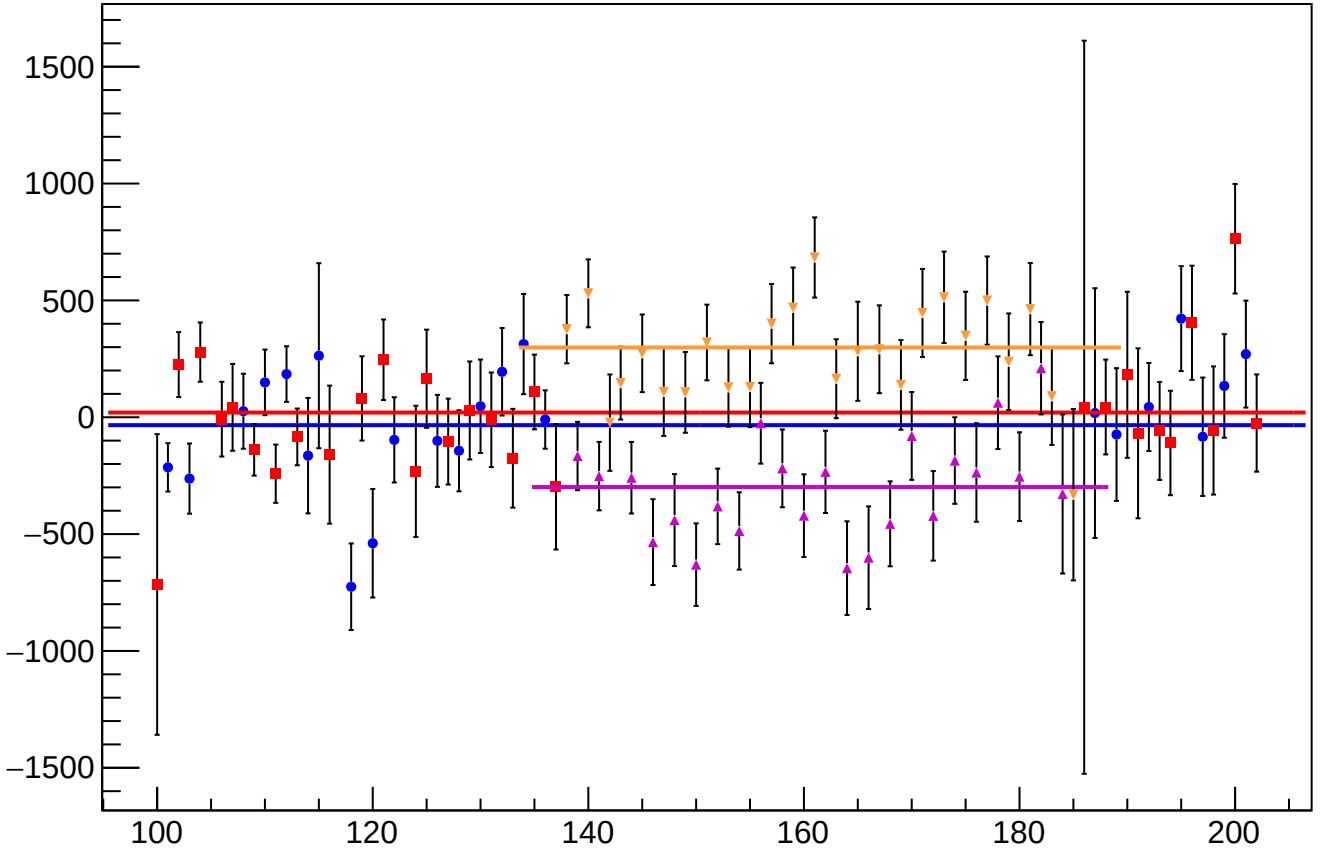
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5851392.4/47

All: 0.000+/-0.000 χ^2/NDF: 14715038.1/99

- sign 0.000+/-0.000 χ^2/NDF: 8862401.0/51

reg_asym_sam6_mean vs Slug



Right In: -33.805+/-37.382 χ^2/NDF: 41.7/22

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 20.178+/-34.999 χ^2/NDF: 34.9/28

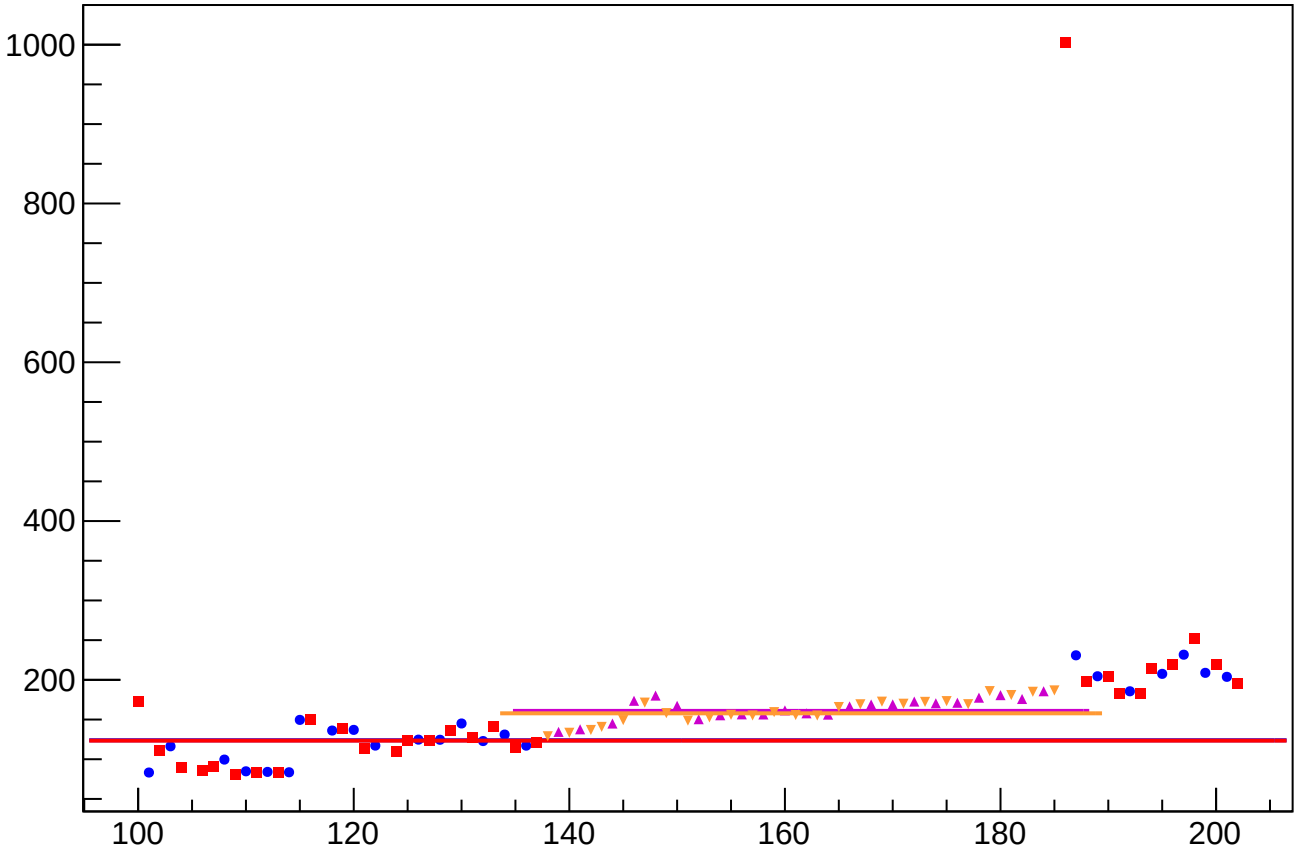
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 138.378+/-25.950 χ^2/NDF: 108.6/47

All: 4.037+/-18.245 χ^2/NDF: 264.3/99

- sign -127.306+/-25.658 χ^2/NDF: 102.7/51

reg_asym_sam6_rms vs Slug



Right In: 123.903+/-0.026 χ^2/NDF: 2480494.4/22

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 123.450+/-0.025 χ^2/NDF: 4013489.7/28

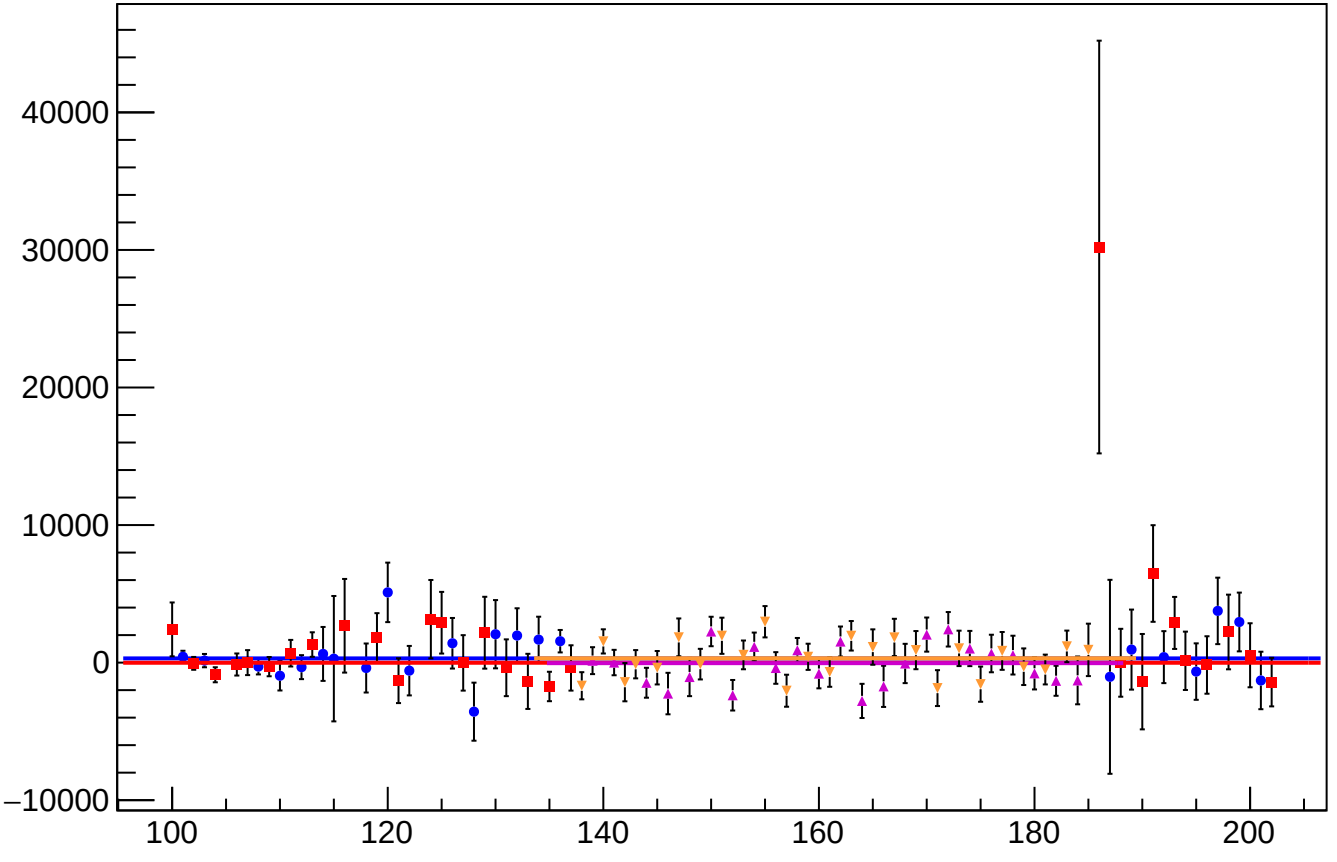
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 141.484+/-0.018 χ^2/NDF: 3711583.4/47

All: 141.118+/-0.013 χ^2/NDF: 9051949.2/99

- sign 140.760+/-0.018 χ^2/NDF: 5339578.1/51

asym_sam6_reg_correction_mean vs Slug



Right In: 306.178+/-223.213 χ^2/NDF: 21.0/22

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -9.907+/-222.170 χ^2/NDF: 27.5/28

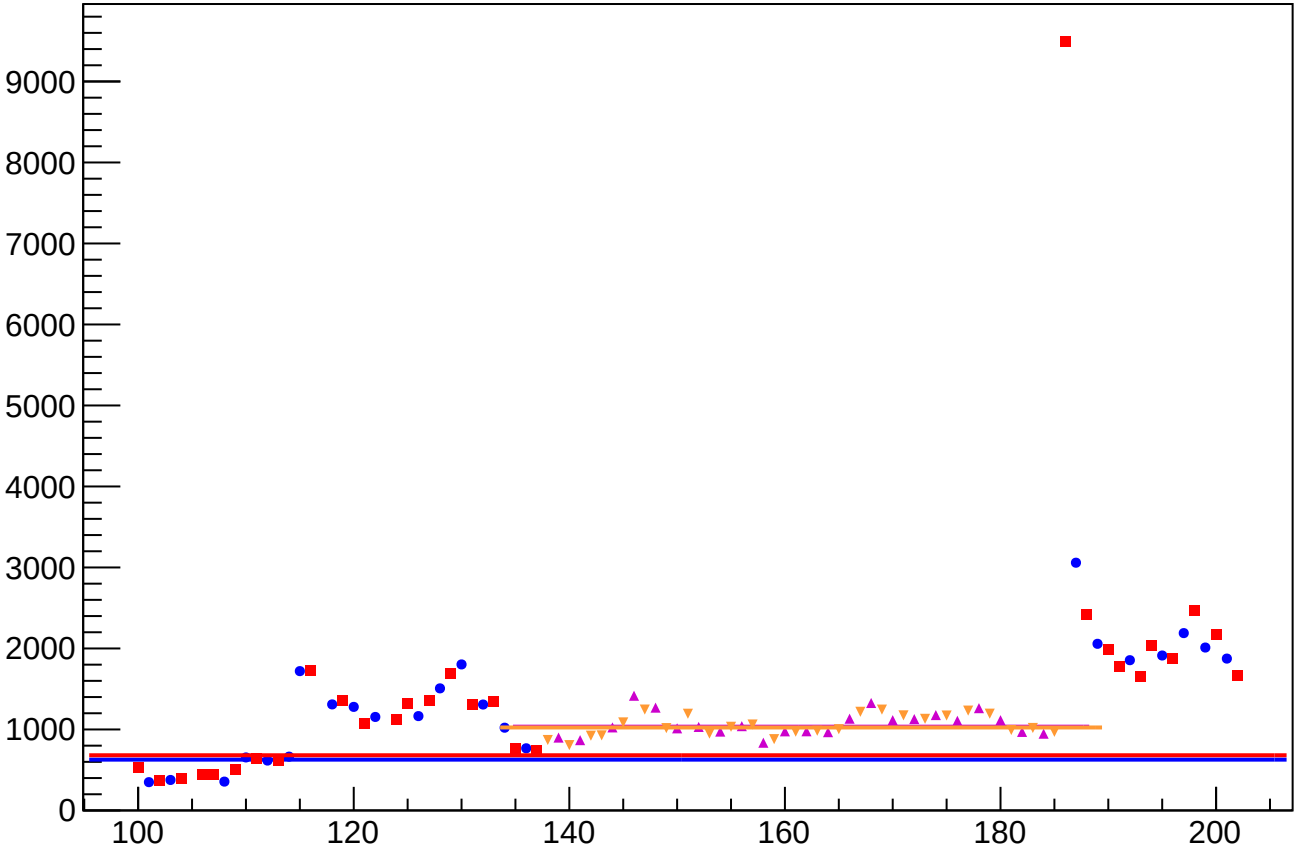
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 312.706+/-161.870 χ^2/NDF: 53.5/47

All: 147.291+/-115.316 χ^2/NDF: 117.9/99

- sign -23.174+/-164.322 χ^2/NDF: 62.3/51

asym_sam6_reg_correction_rms vs Slug



Right In: 627.399+/-0.158 χ^2/NDF: 8687990.0/22

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 681.463+/-0.157 χ^2/NDF: 10093680.9/28

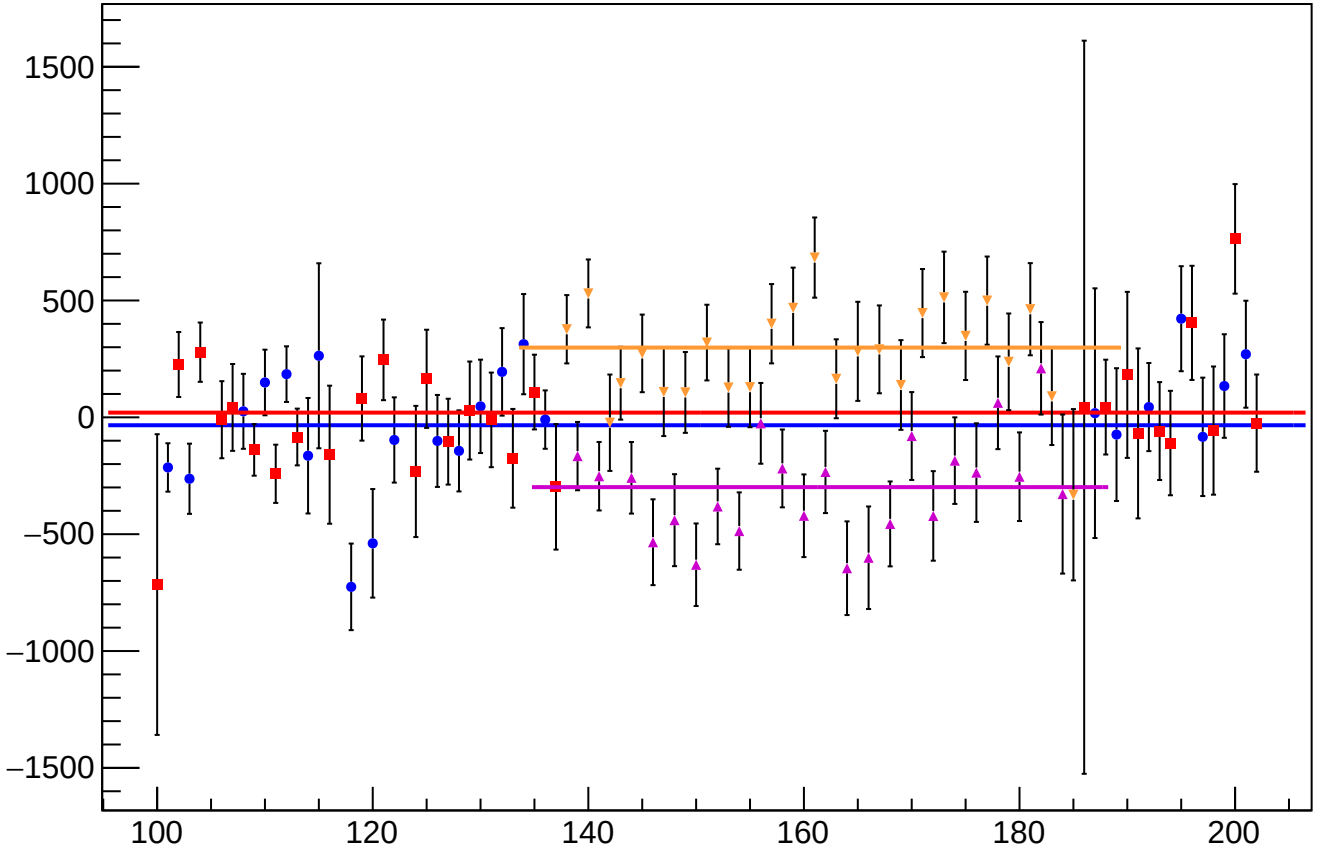
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 815.668+/-0.114 χ^2/NDF: 12286580.3/47

All: 828.311+/-0.082 χ^2/NDF: 25320051.8/99

- sign 841.341+/-0.116 χ^2/NDF: 13008694.9/51

cor_asym_sam6_mean vs Slug



Right In: -33.828+/-37.382 χ^2/NDF: 41.7/22

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 20.205+/-35.050 χ^2/NDF: 34.9/28

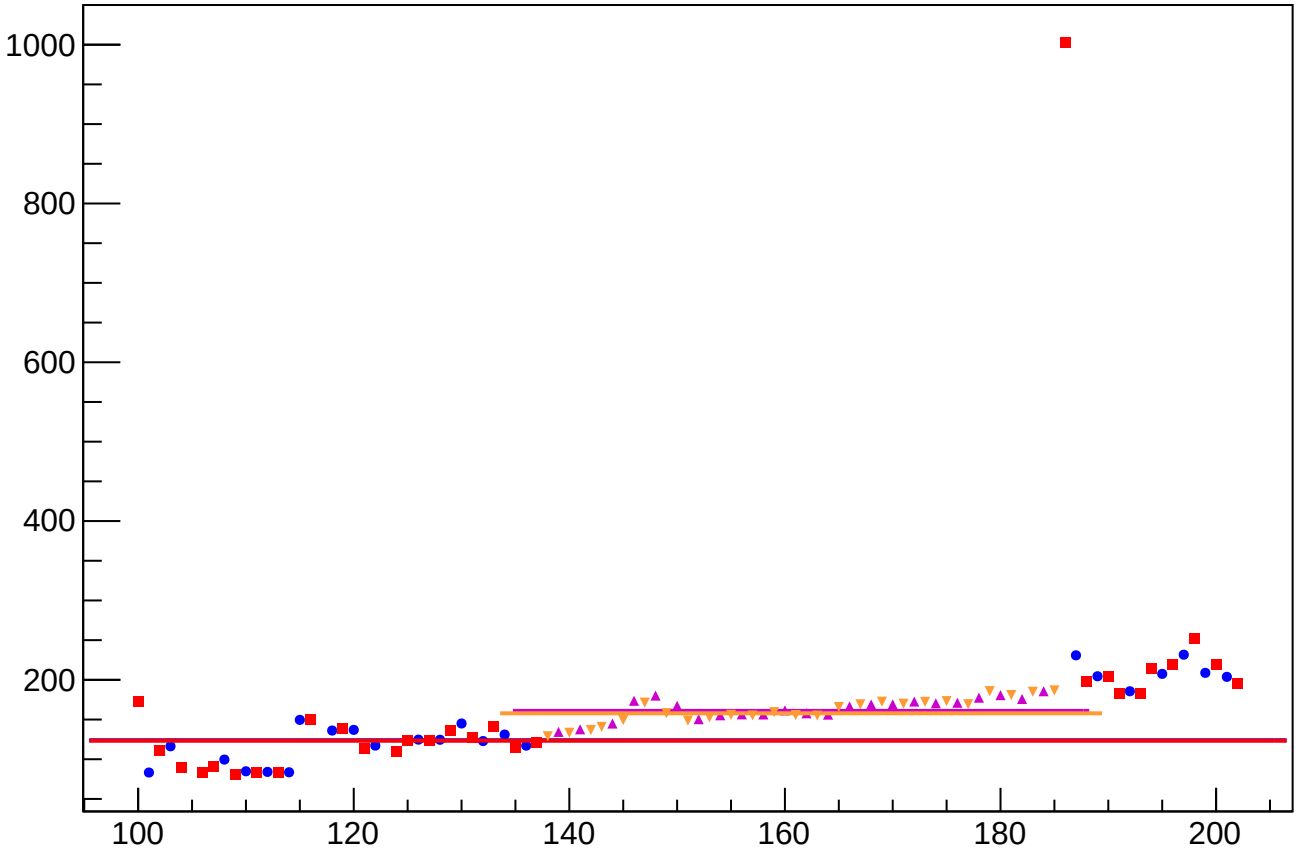
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 138.368+/-25.950 χ^2/NDF: 108.7/47

All: 4.024+/-18.252 χ^2/NDF: 264.4/99

- sign -127.527+/-25.678 χ^2/NDF: 102.7/51

cor_asym_sam6_rms vs Slug



Right In: 123.903+/-0.026 χ^2/NDF: 2480493.3/22

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

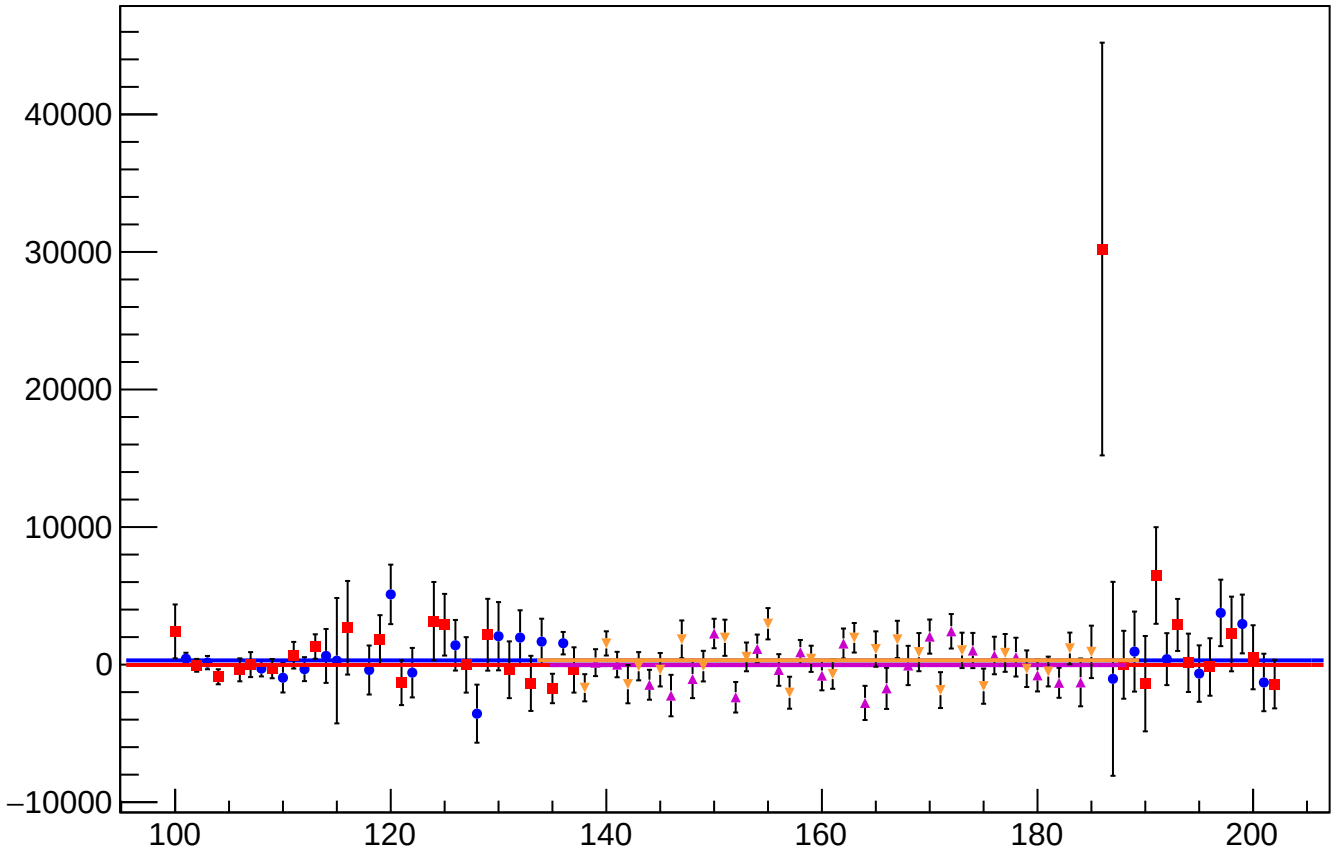
Right Out: 123.417+/-0.025 χ^2/NDF: 4024905.7/28

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 141.484+/-0.018 χ^2/NDF: 3711579.4/47

All: 141.123+/-0.013 χ^2/NDF: 9063747.2/99

- sign 140.770+/-0.018 χ^2/NDF: 5351401.7/51



Right In: 306.307+/-223.207 χ^2/NDF: 21.0/22

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -25.810+/-222.719 χ^2/NDF: 27.6/28

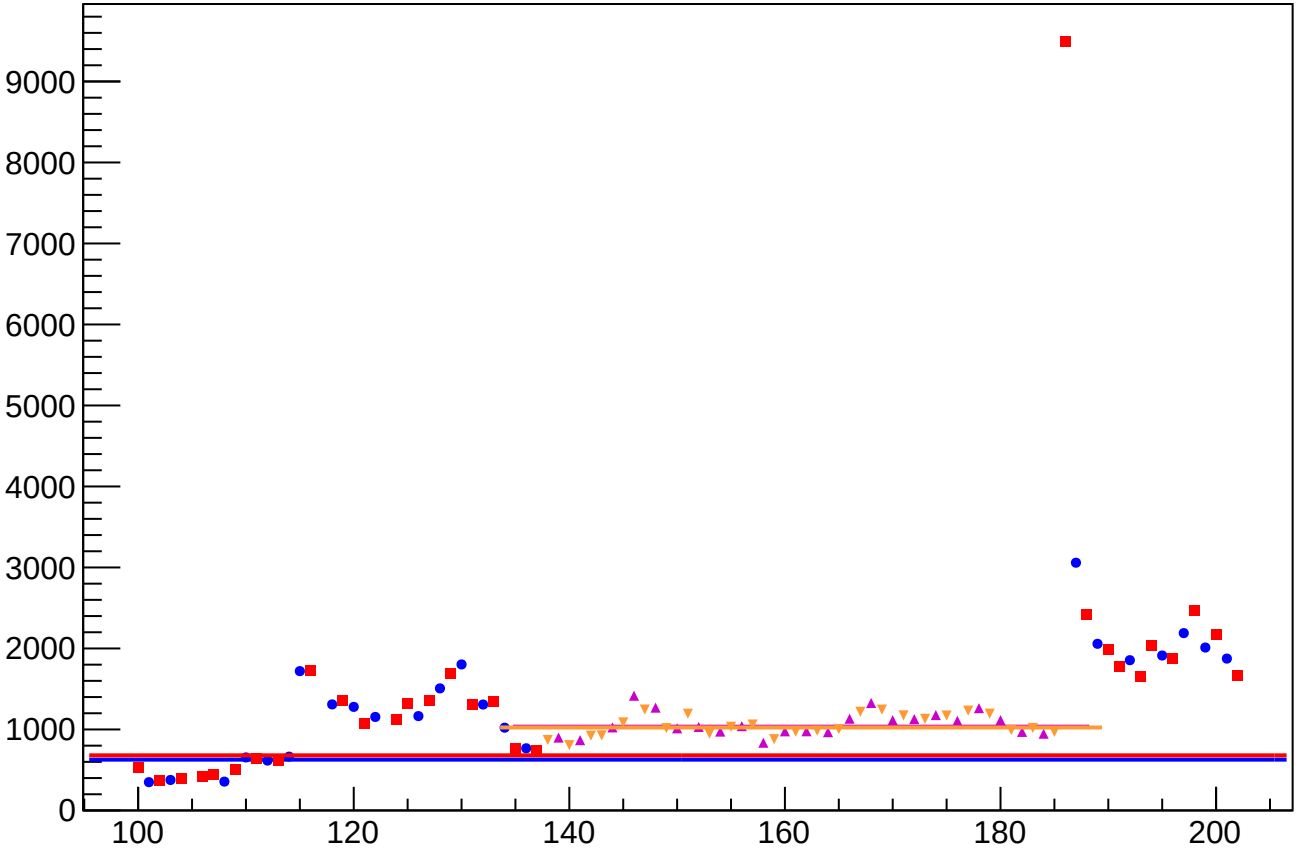
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 312.777+/-161.867 χ^2/NDF: 53.5/47

All: 143.269+/-115.392 χ^2/NDF: 118.1/99

- sign -31.891+/-164.544 χ^2/NDF: 62.4/51

asym_sam6_cor_correction_rms vs Slug



Right In: 627.374+/-0.158 χ^2/NDF: 8688358.1/22

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 680.608+/-0.157 χ^2/NDF: 10124457.5/28

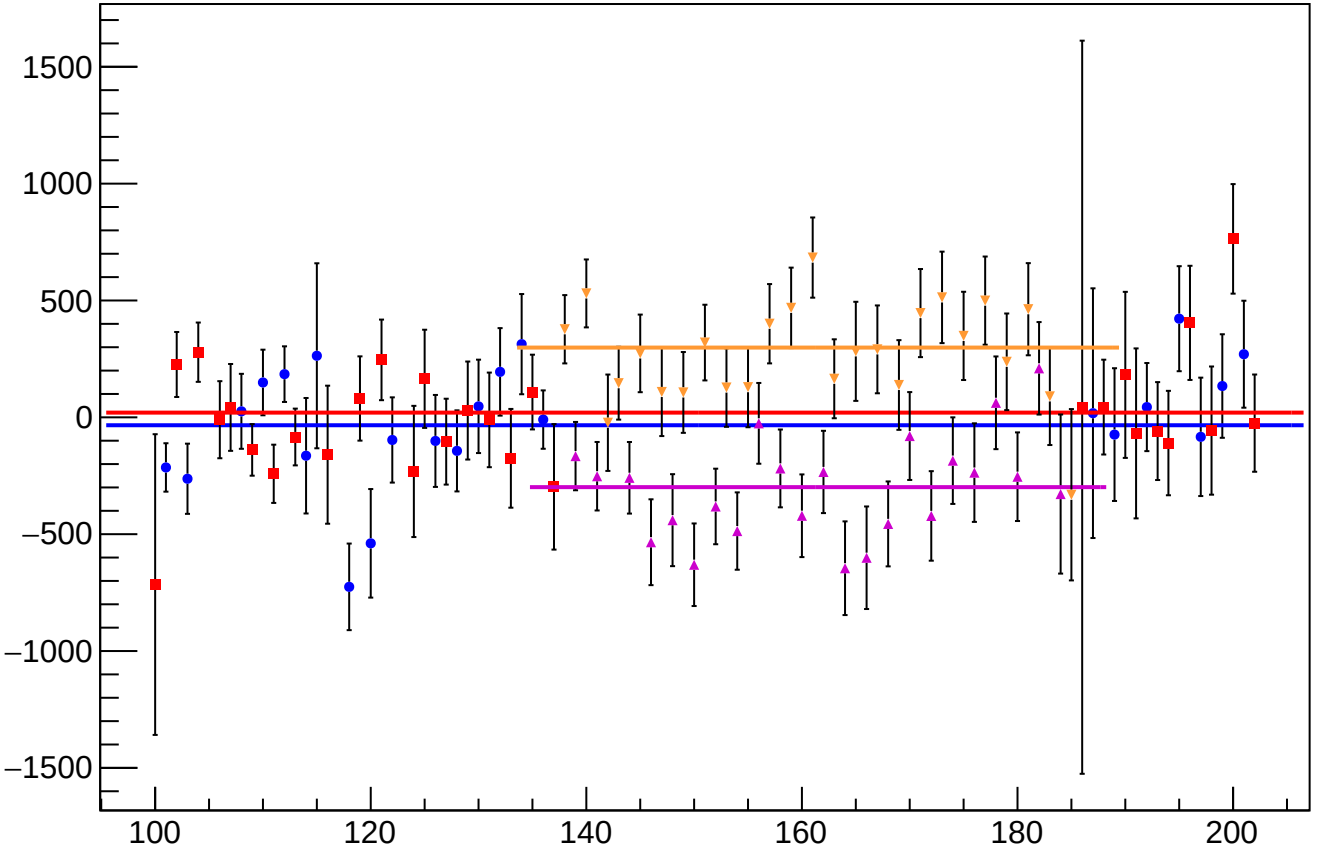
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 815.649+/-0.114 χ^2/NDF: 12287419.0/47

All: 828.267+/-0.082 χ^2/NDF: 25357554.6/99

- sign 841.306+/-0.116 χ^2/NDF: 13045422.8/51

eigen_cor_asym_sam6_mean vs Slug



Right In: -33.828+/-37.382 χ^2/NDF: 41.7/22

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 20.205+/-35.050 χ^2/NDF: 34.9/28

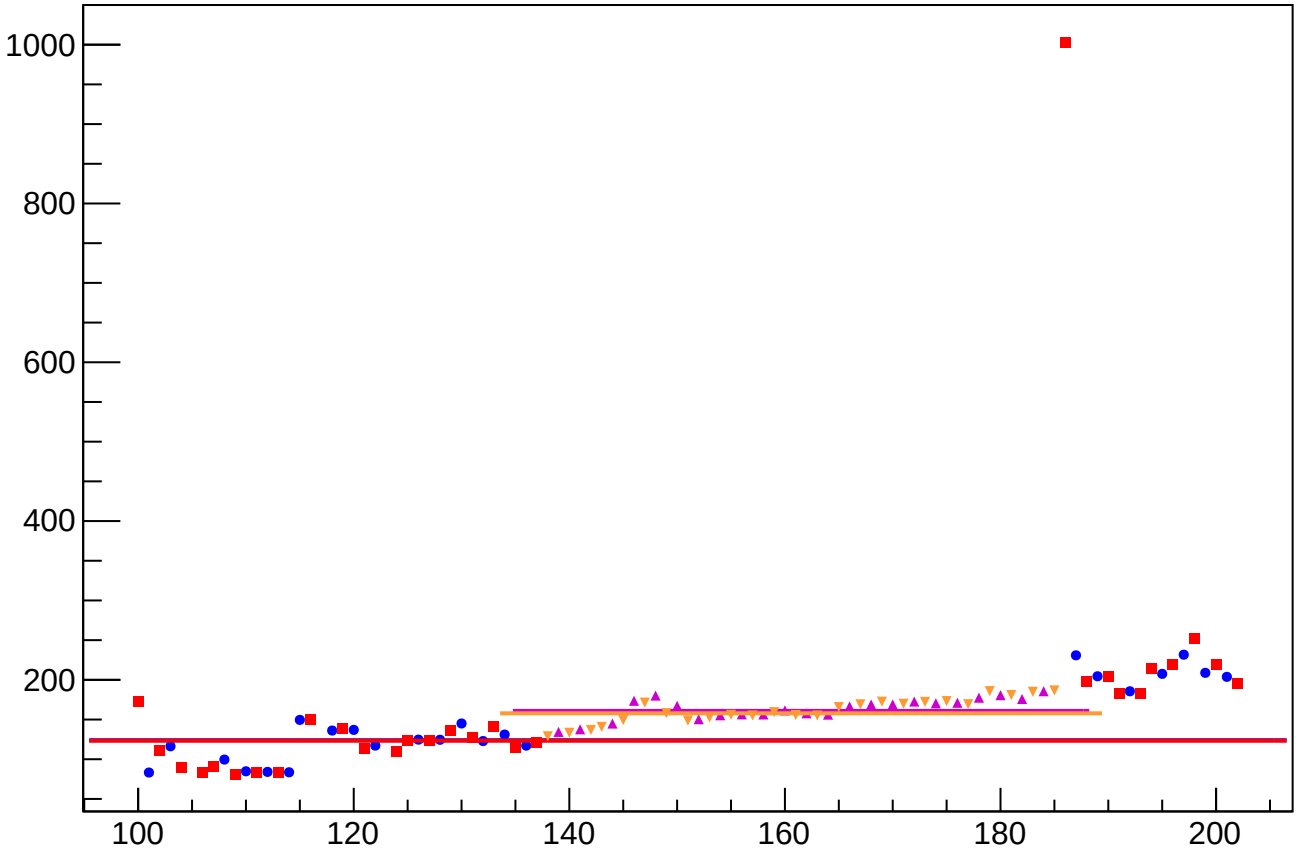
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 138.368+/-25.950 χ^2/NDF: 108.7/47

All: 4.024+/-18.252 χ^2/NDF: 264.4/99

- sign -127.527+/-25.678 χ^2/NDF: 102.7/51

eigen_cor_asym_sam6_rms vs Slug



Right In: 123.903+/-0.026 χ^2/NDF: 2480493.3/22

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 123.417+/-0.025 χ^2/NDF: 4024905.7/28

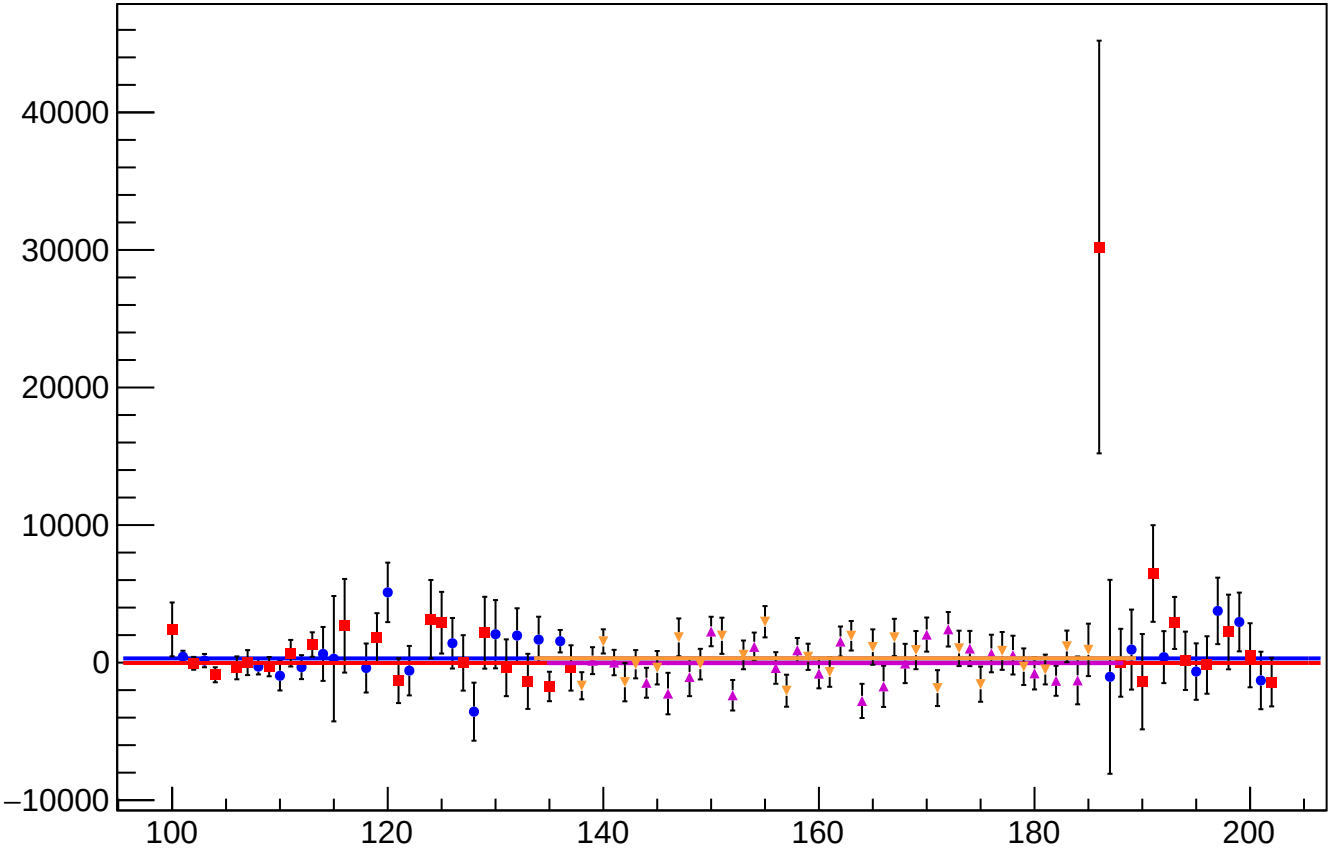
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 141.484+/-0.018 χ^2/NDF: 3711579.4/47

All: 141.123+/-0.013 χ^2/NDF: 9063747.2/99

- sign 140.770+/-0.018 χ^2/NDF: 5351401.7/51

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 306.307+/-223.207 χ^2/NDF: 21.0/22

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -25.810+/-222.719 χ^2/NDF: 27.6/28

Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 312.777+/-161.867 χ^2/NDF: 53.5/47

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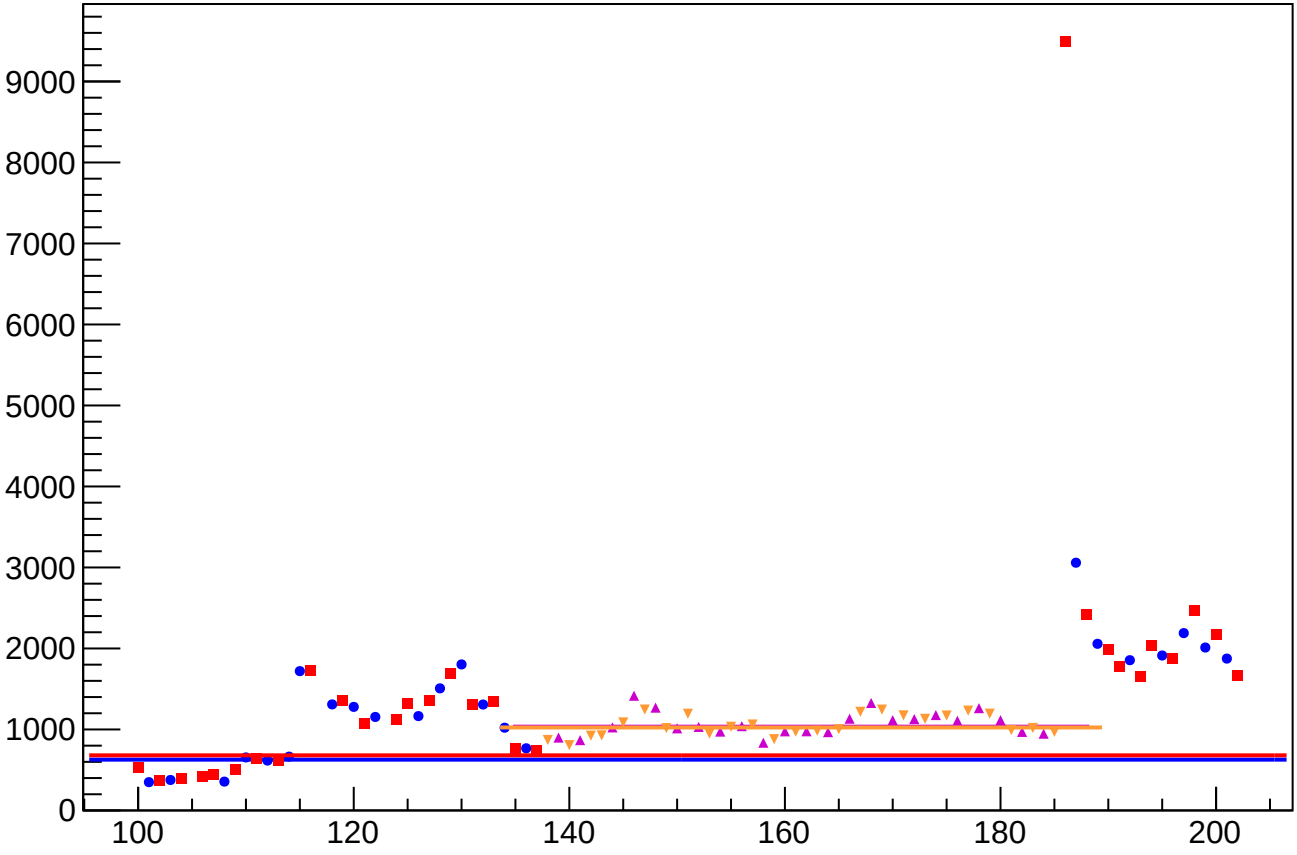
asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 627.374+/-0.158 χ^2/NDF: 8688358.1/22

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 680.608+/-0.157 χ^2/NDF: 10124457.5/28

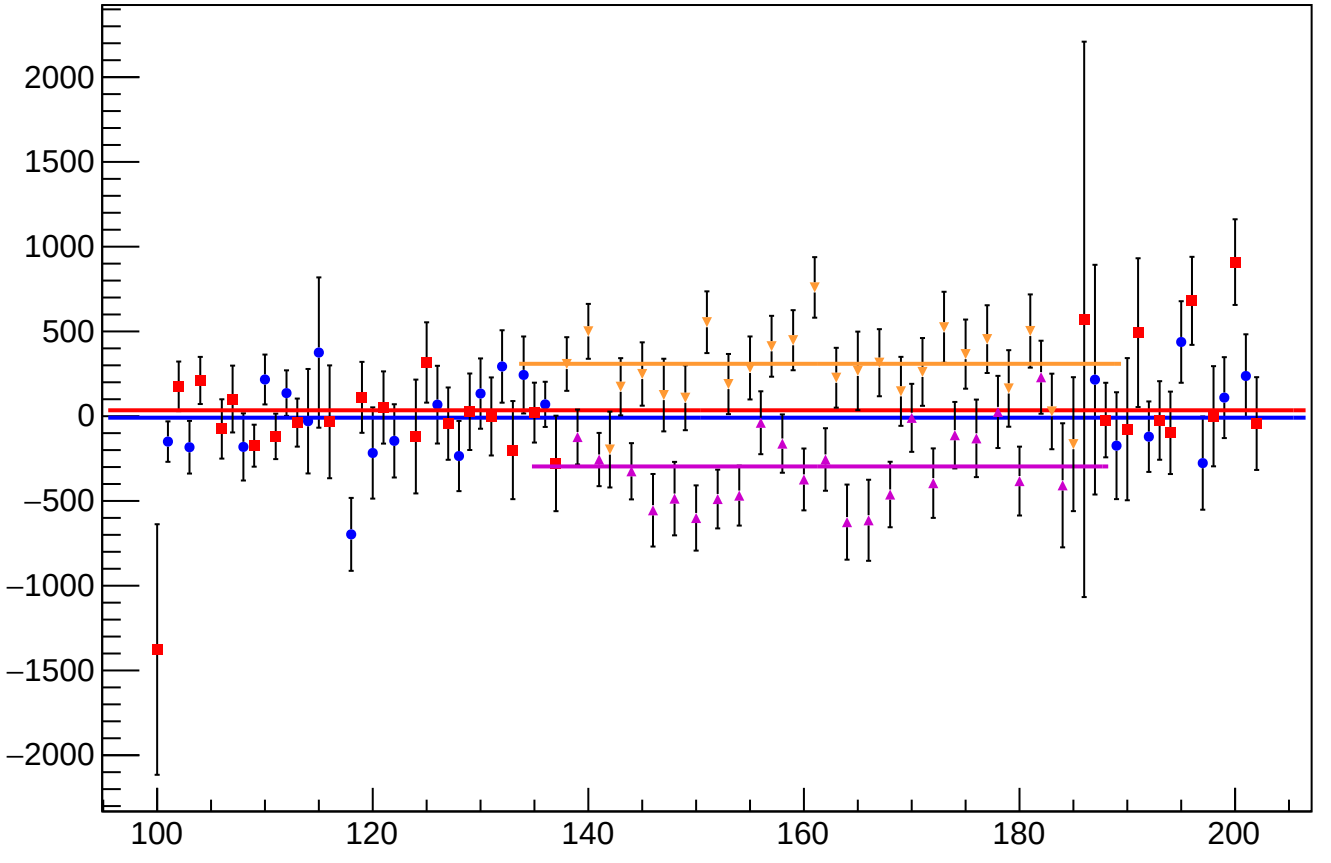
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 815.649+/-0.114 χ^2/NDF: 12287419.0/47

All: 828.267+/-0.082 χ^2/NDF: 25357554.6/99

- sign 841.306+/-0.116 χ^2/NDF: 13045422.8/51

dit_asym_sam6_mean vs Slug



Right In: -8.870+/-41.723 χ^2/NDF: 30.6/22

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 34.834+/-39.232 χ^2/NDF: 34.9/28

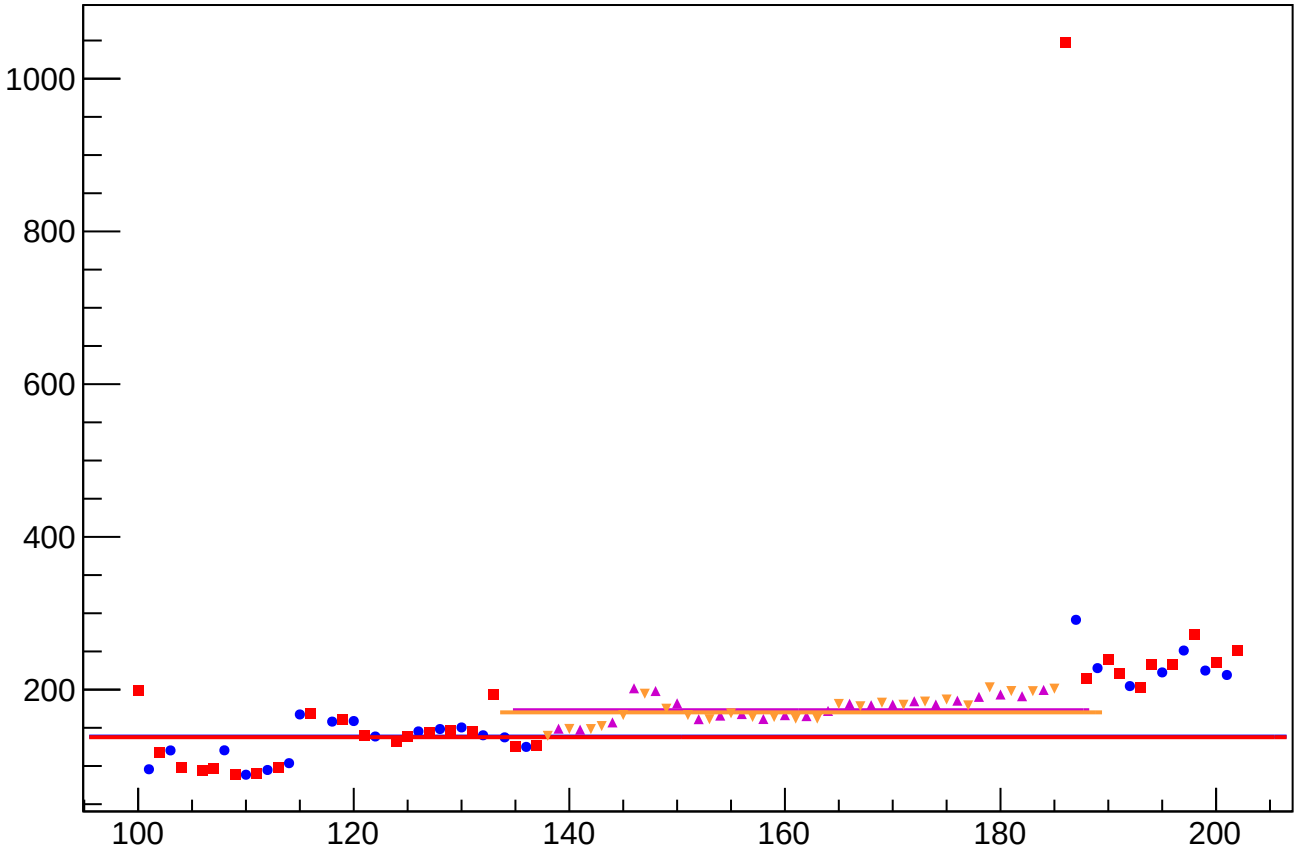
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 161.196+/-28.452 χ^2/NDF: 87.2/47

All: 16.833+/-20.034 χ^2/NDF: 235.5/99

- sign -125.127+/-28.215 χ^2/NDF: 97.2/51

dit_asym_sam6_rms vs Slug



Right In: 138.498+/-0.030 χ^2/NDF: 2362934.0/22

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 137.707+/-0.028 χ^2/NDF: 4140581.1/28

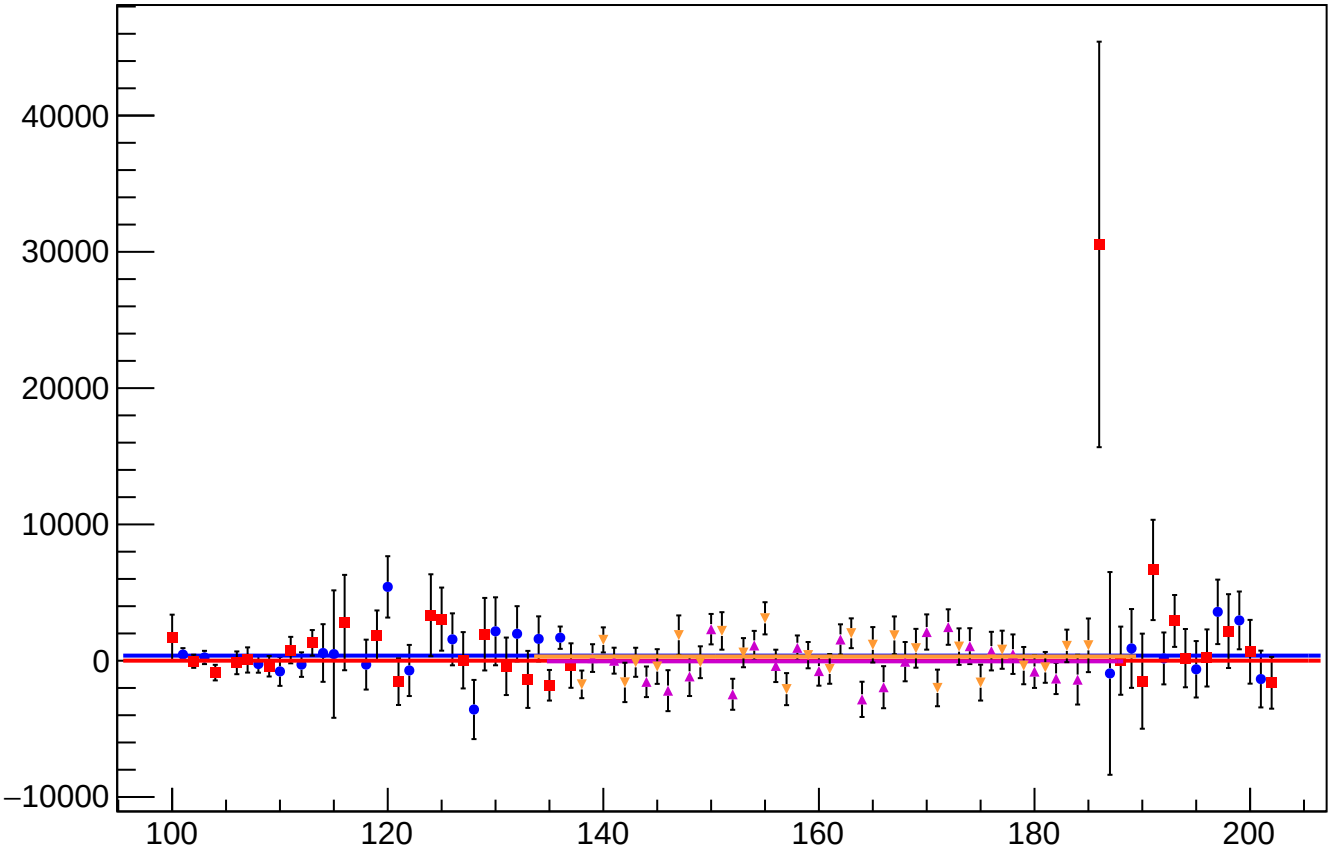
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 155.479+/-0.020 χ^2/NDF: 3348506.1/47

All: 155.115+/-0.014 χ^2/NDF: 8565904.9/99

- sign 154.757+/-0.020 χ^2/NDF: 5216749.9/51

asym_sam6_dit_correction_mean vs Slug



Right In: 373.692+/-233.000 χ^2/NDF: 20.6/22

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 3.239+/-229.835 χ^2/NDF: 26.8/28

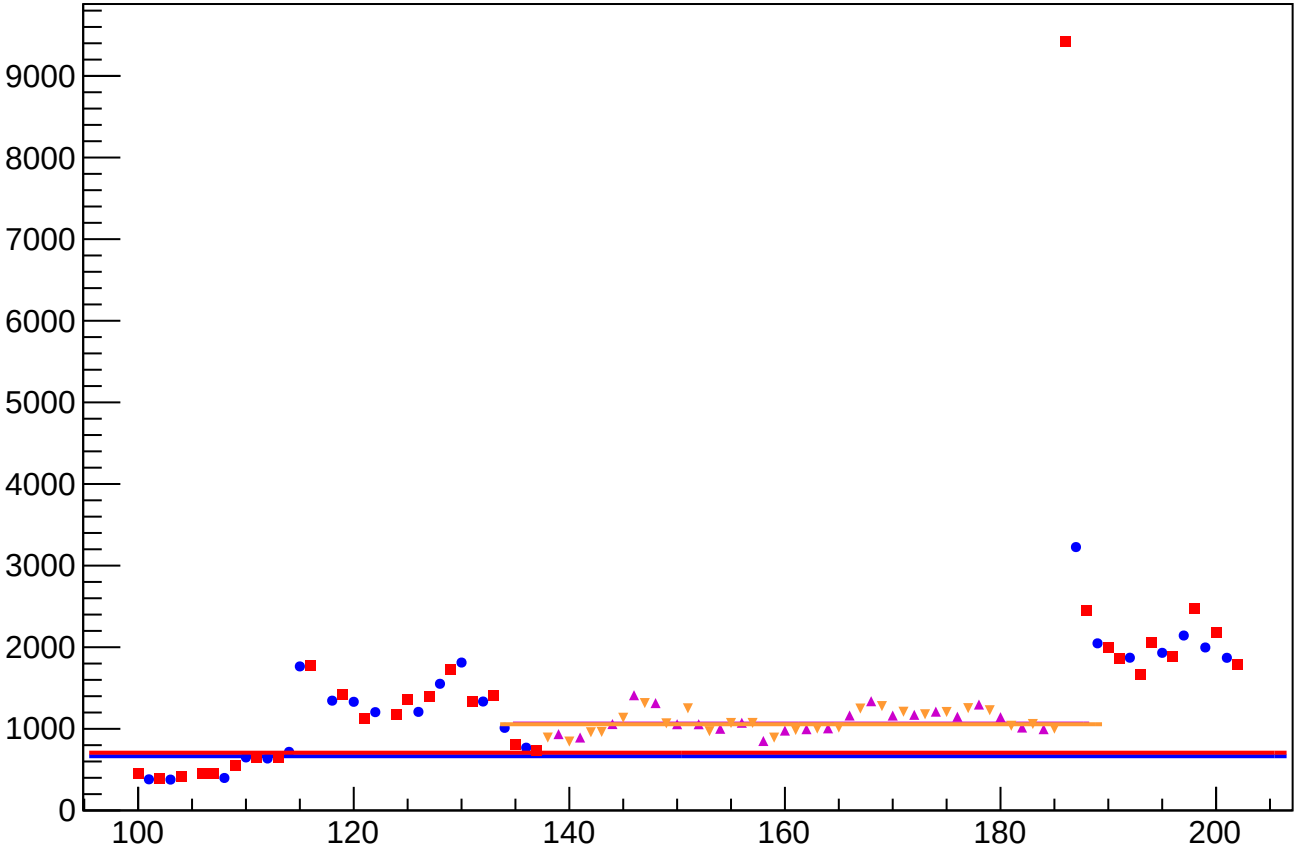
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 344.853+/-167.981 χ^2/NDF: 53.5/47

All: 164.281+/-119.344 χ^2/NDF: 117.1/99

- sign -19.754+/-169.585 χ^2/NDF: 61.3/51

asym_sam6_dit_correction_rms vs Slug



Right In: 664.531+/-0.165 χ^2/NDF: 8250005.5/22

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 707.855+/-0.163 χ^2/NDF: 9985220.5/28

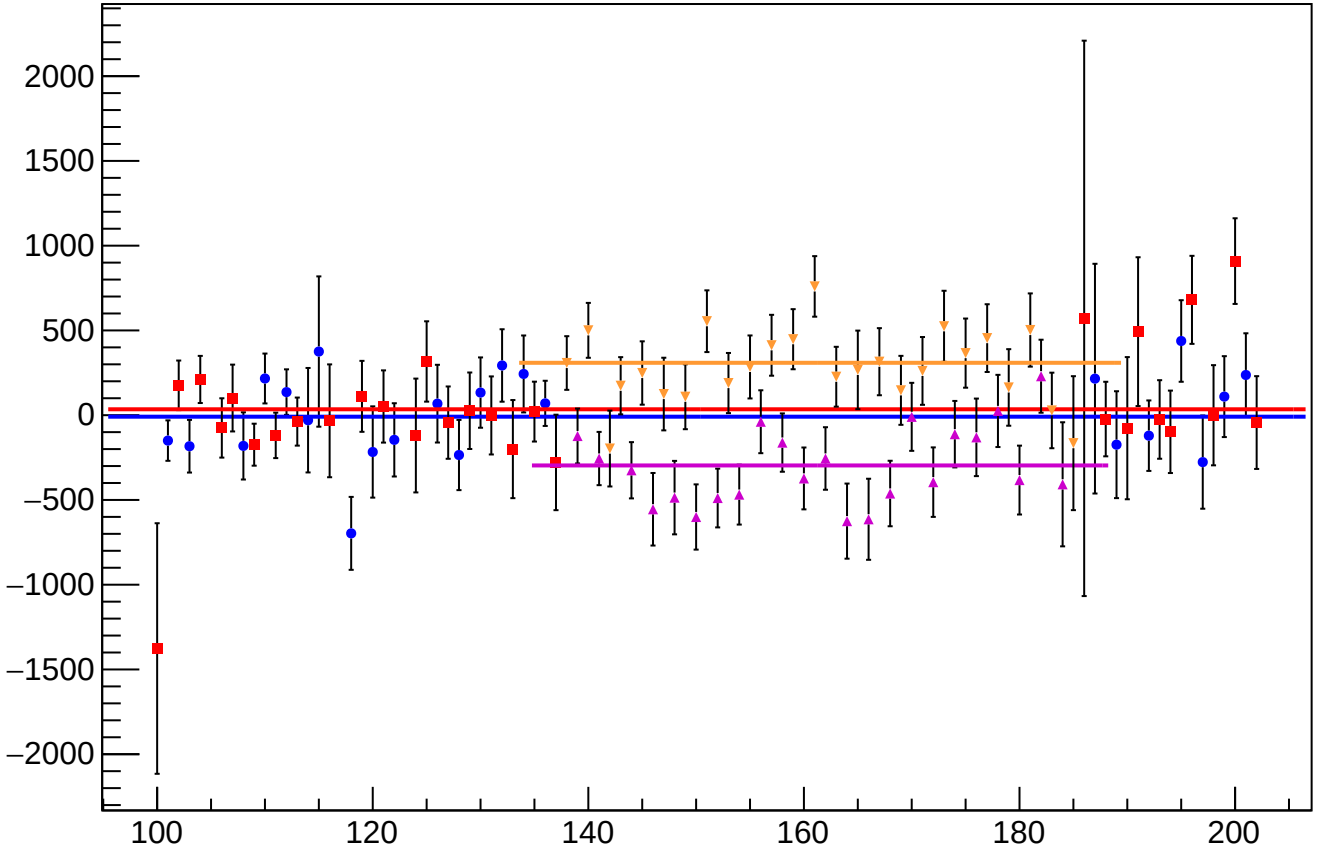
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 852.684+/-0.119 χ^2/NDF: 11576466.6/47

All: 861.467+/-0.084 χ^2/NDF: 24380076.6/99

- sign 870.419+/-0.120 χ^2/NDF: 12792569.0/51

eigen_dit_asym_sam6_mean vs Slug



Right In: -8.872+/-41.723 χ^2/NDF: 30.6/22

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 34.833+/-39.232 χ^2/NDF: 34.9/28

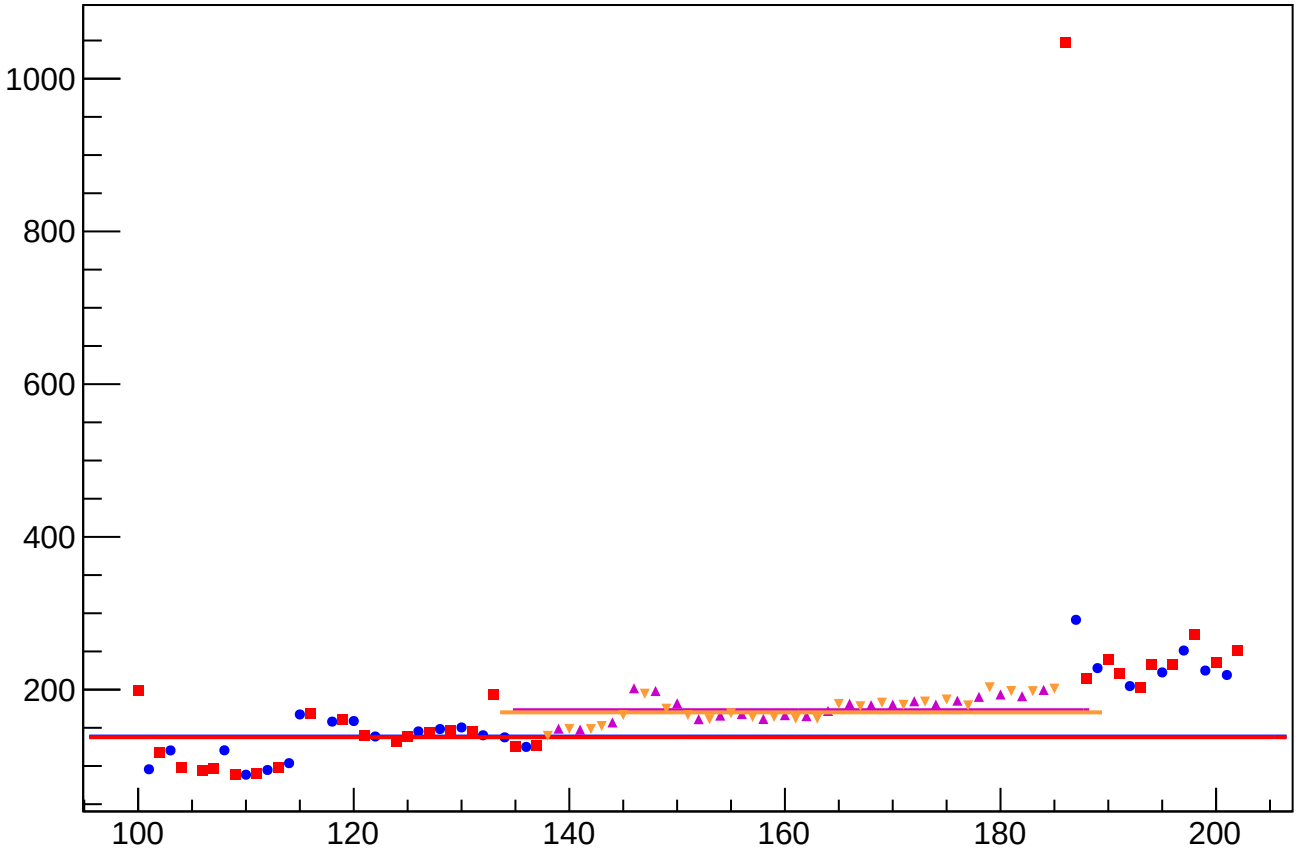
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 161.196+/-28.452 χ^2/NDF: 87.2/47

All: 16.832+/-20.034 χ^2/NDF: 235.5/99

- sign -125.128+/-28.215 χ^2/NDF: 97.2/51

eigen_dit_asym_sam6_rms vs Slug



Right In: 138.498+/-0.030 χ^2/NDF: 2362948.2/22

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 137.707+/-0.028 χ^2/NDF: 4140584.6/28

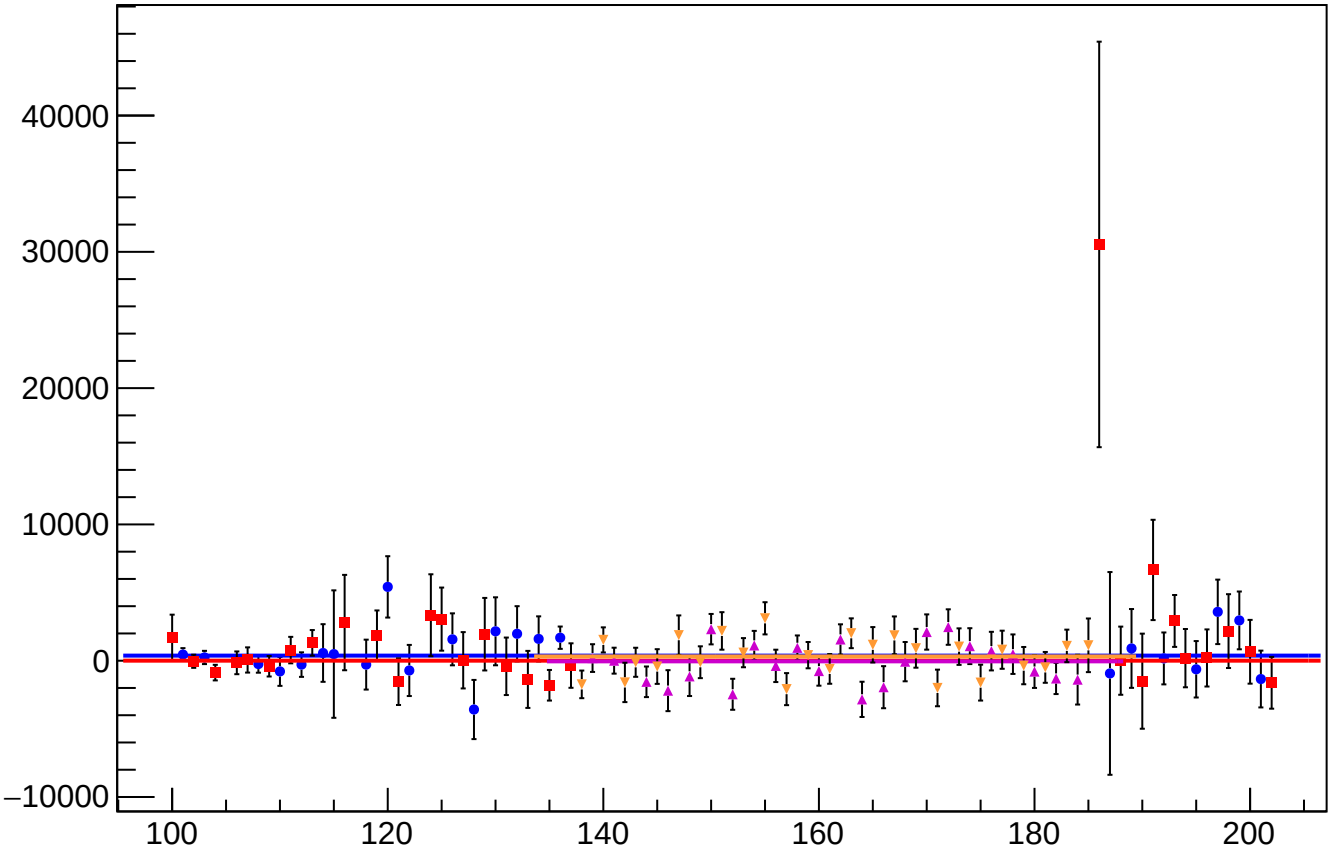
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 155.479+/-0.020 χ^2/NDF: 3348525.8/47

All: 155.115+/-0.014 χ^2/NDF: 8565933.0/99

- sign 154.757+/-0.020 χ^2/NDF: 5216758.4/51

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 373.691+/-233.000 χ^2/NDF: 20.6/22

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 3.238+/-229.835 χ^2/NDF: 26.8/28

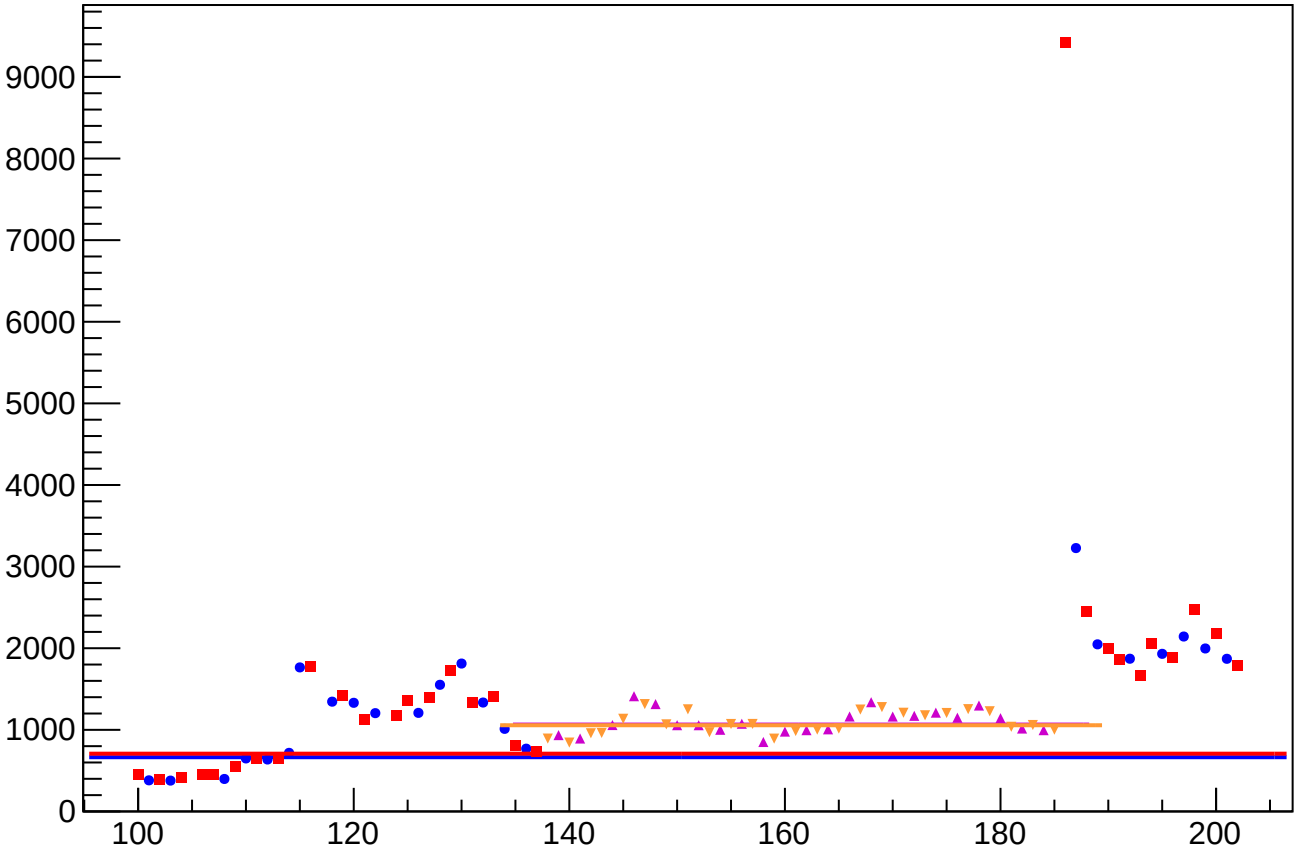
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 344.853+/-167.981 χ^2/NDF: 53.5/47

All: 164.281+/-119.344 χ^2/NDF: 117.1/99

- sign -19.754+/-169.585 χ^2/NDF: 61.3/51

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 664.530+/-0.165 χ^2/NDF: 8250012.2/22

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 707.855+/-0.163 χ^2/NDF: 9985222.7/28

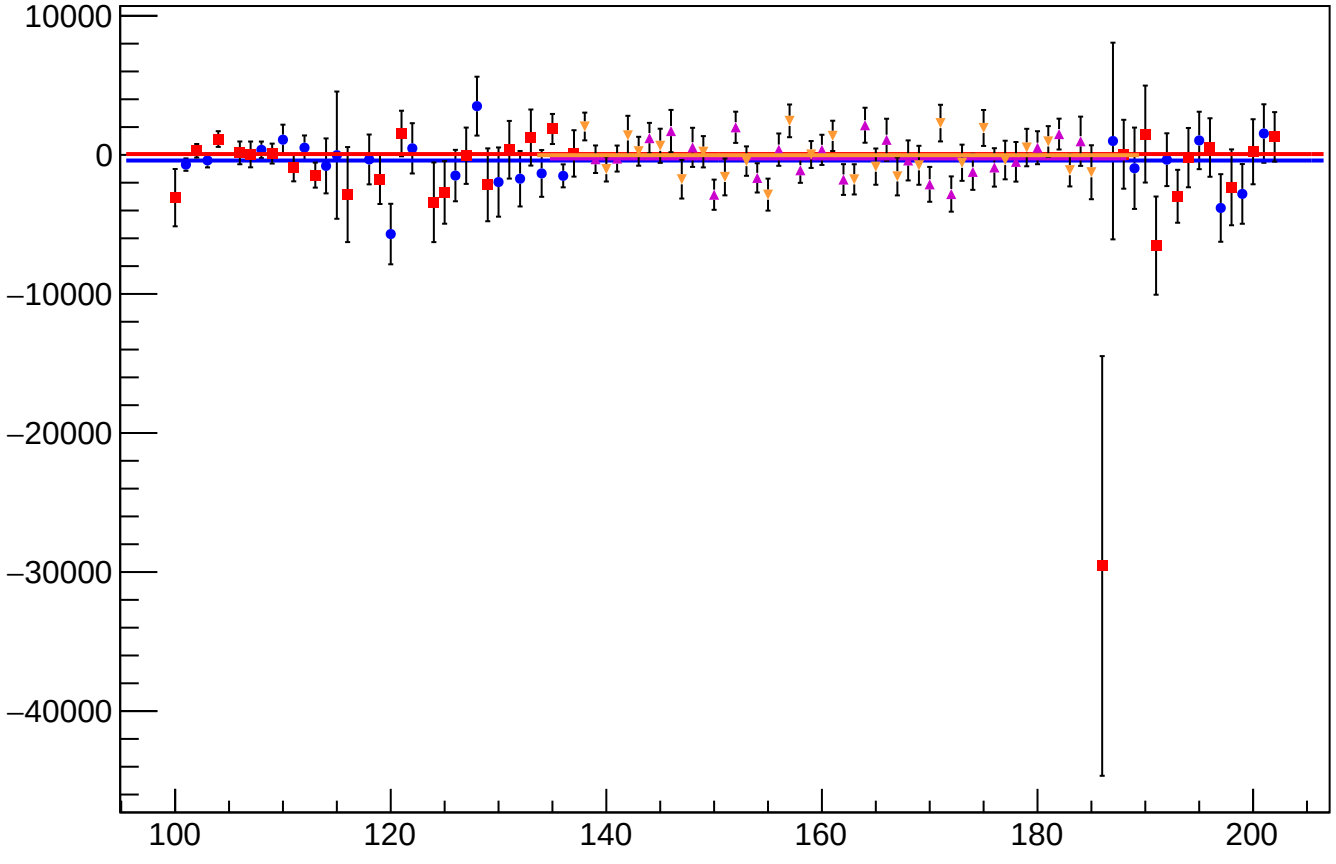
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 852.683+/-0.119 χ^2/NDF: 11576495.4/47

All: 861.467+/-0.084 χ^2/NDF: 24380120.2/99

- sign 870.419+/-0.120 χ^2/NDF: 12792583.7/51

asym_sam6_mean vs Slug



Right In: -405.753+/-229.502 χ^2/NDF: 22.6/22

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 58.794+/-227.606 χ^2/NDF: 30.8/28

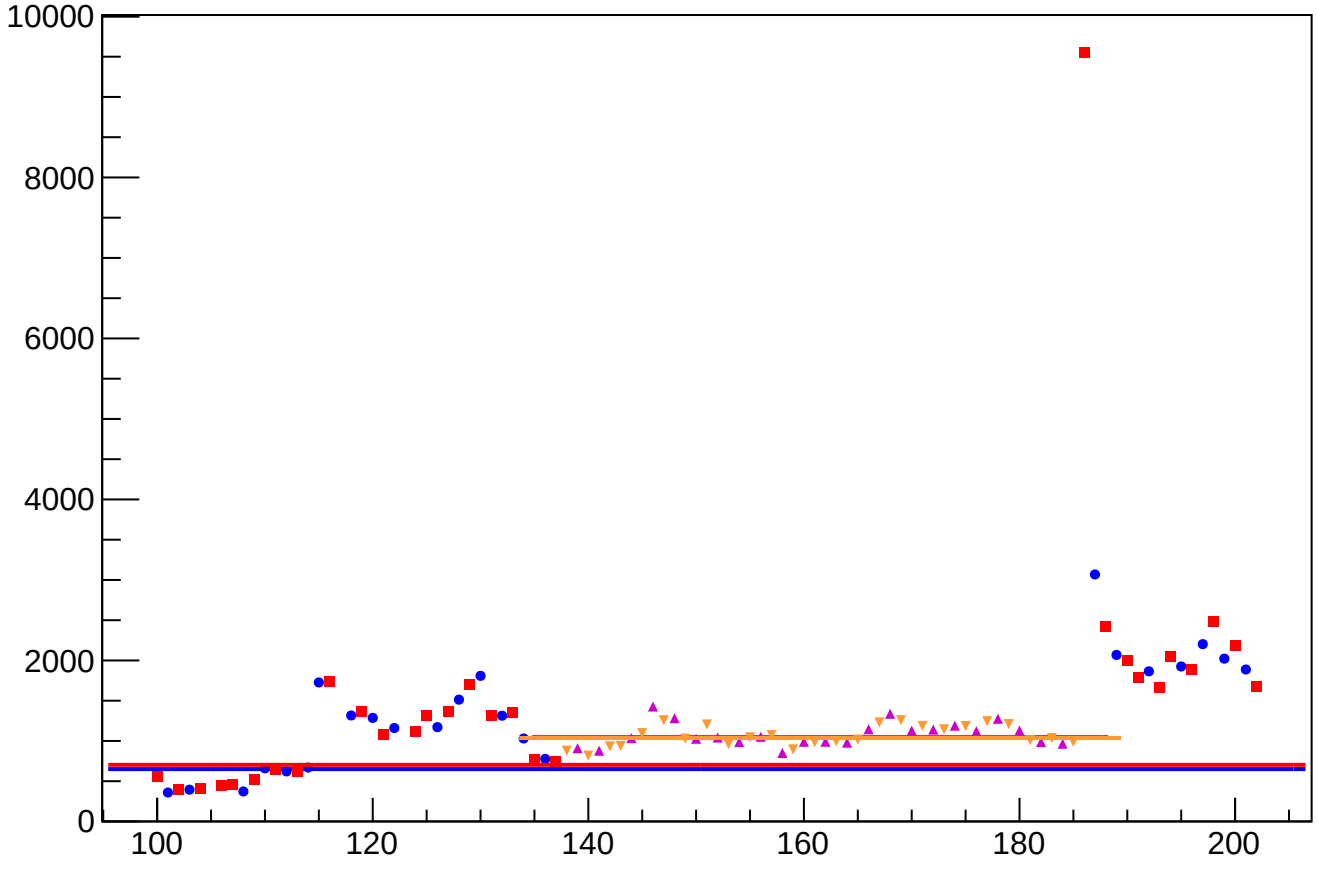
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -220.760+/-165.196 χ^2/NDF: 58.4/47

All: -153.973+/-117.597 χ^2/NDF: 124.0/99

- sign -85.357+/-167.442 χ^2/NDF: 65.3/51

asym_sam6_rms vs Slug



Right In: 650.606+/-0.162 χ^2/NDF: 8411043.7/22

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

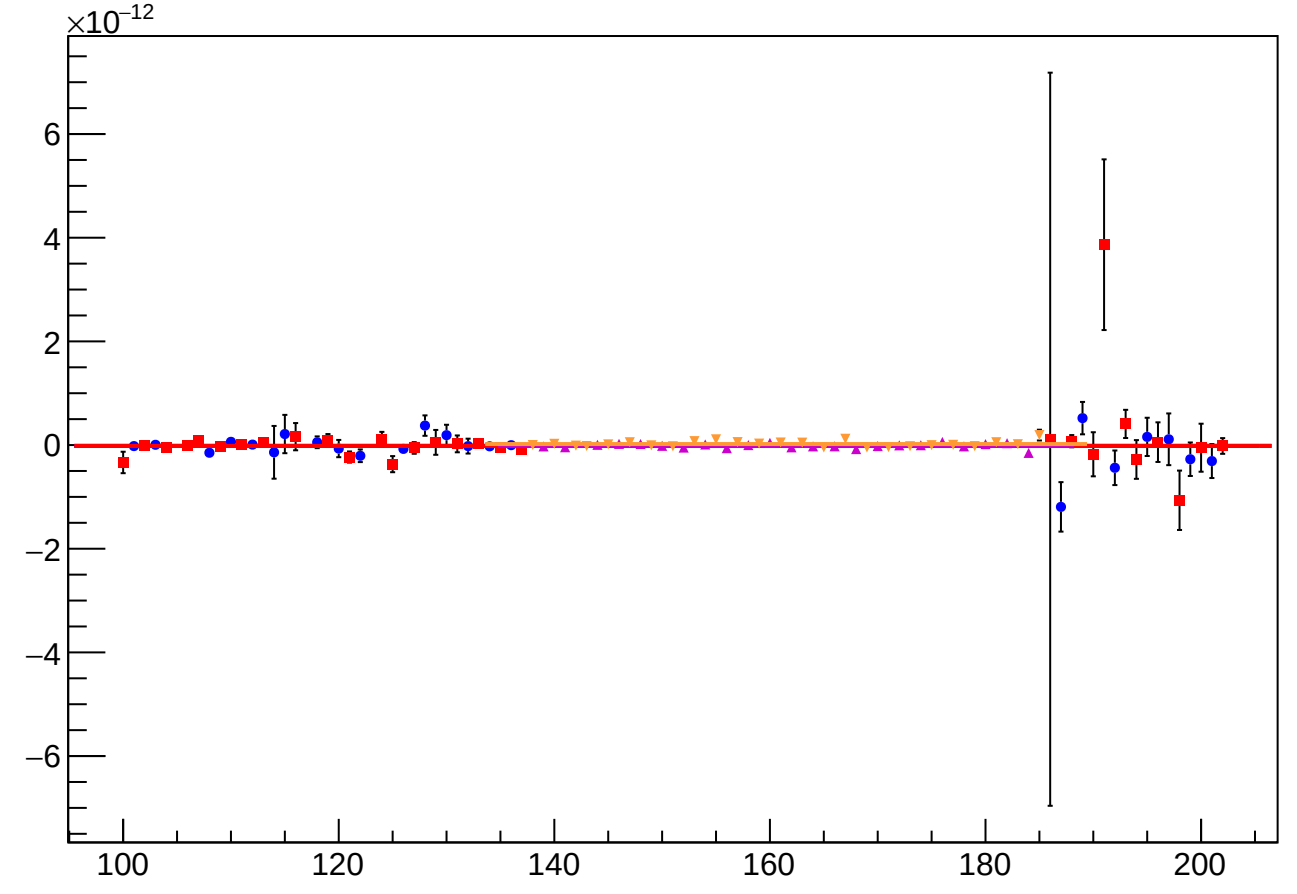
Right Out: 703.494+/-0.161 χ^2/NDF: 9817230.1/28

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 836.961+/-0.117 χ^2/NDF: 11733035.1/47

All: 849.007+/-0.083 χ^2/NDF: 24282867.3/99

- sign 861.383+/-0.118 χ^2/NDF: 12528271.7/51



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

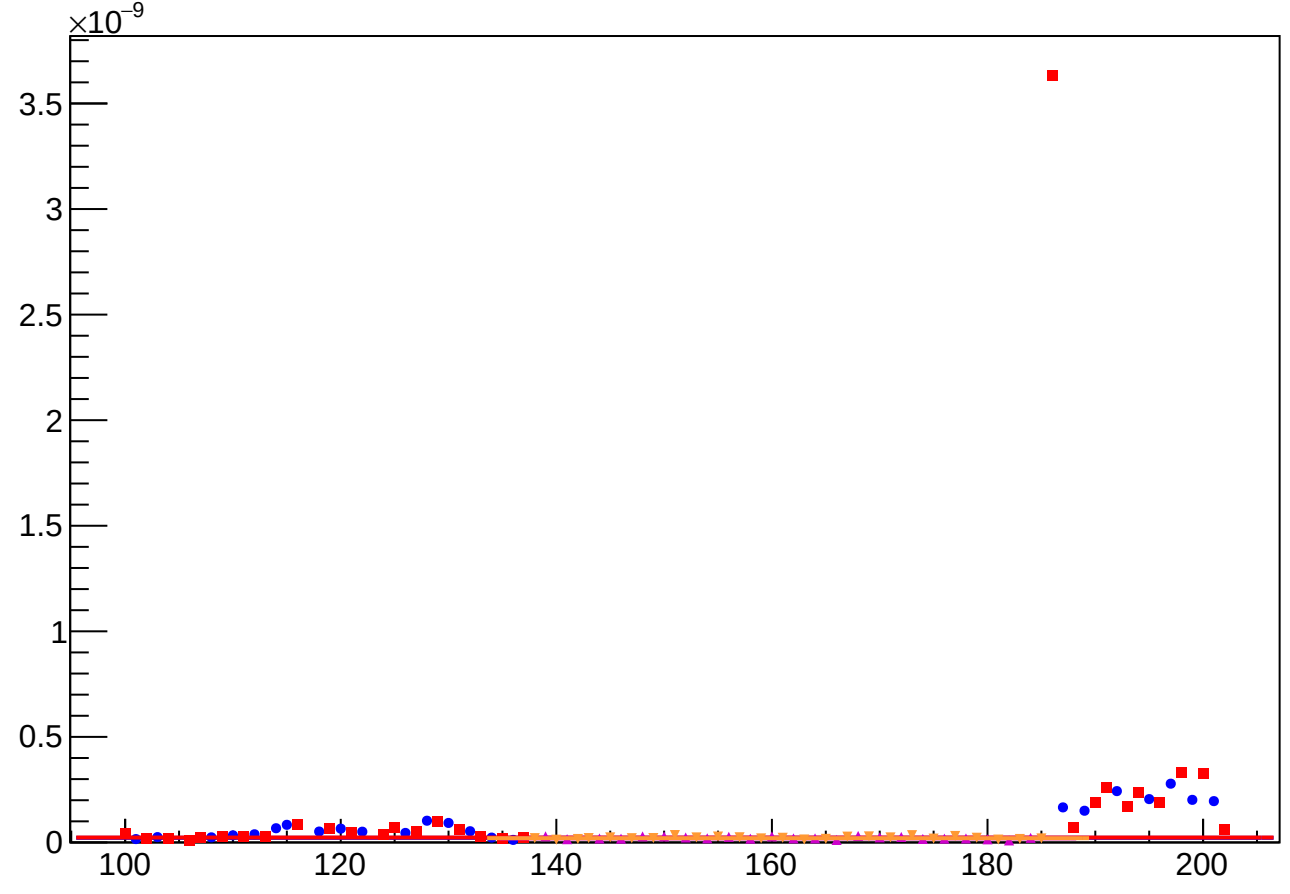
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/28

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.4/47

All: 0.000+/-0.000 χ^2/NDF: 119.4/99

- sign -0.000+/-0.000 χ^2/NDF: 51.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 5645172.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6274434.5/28

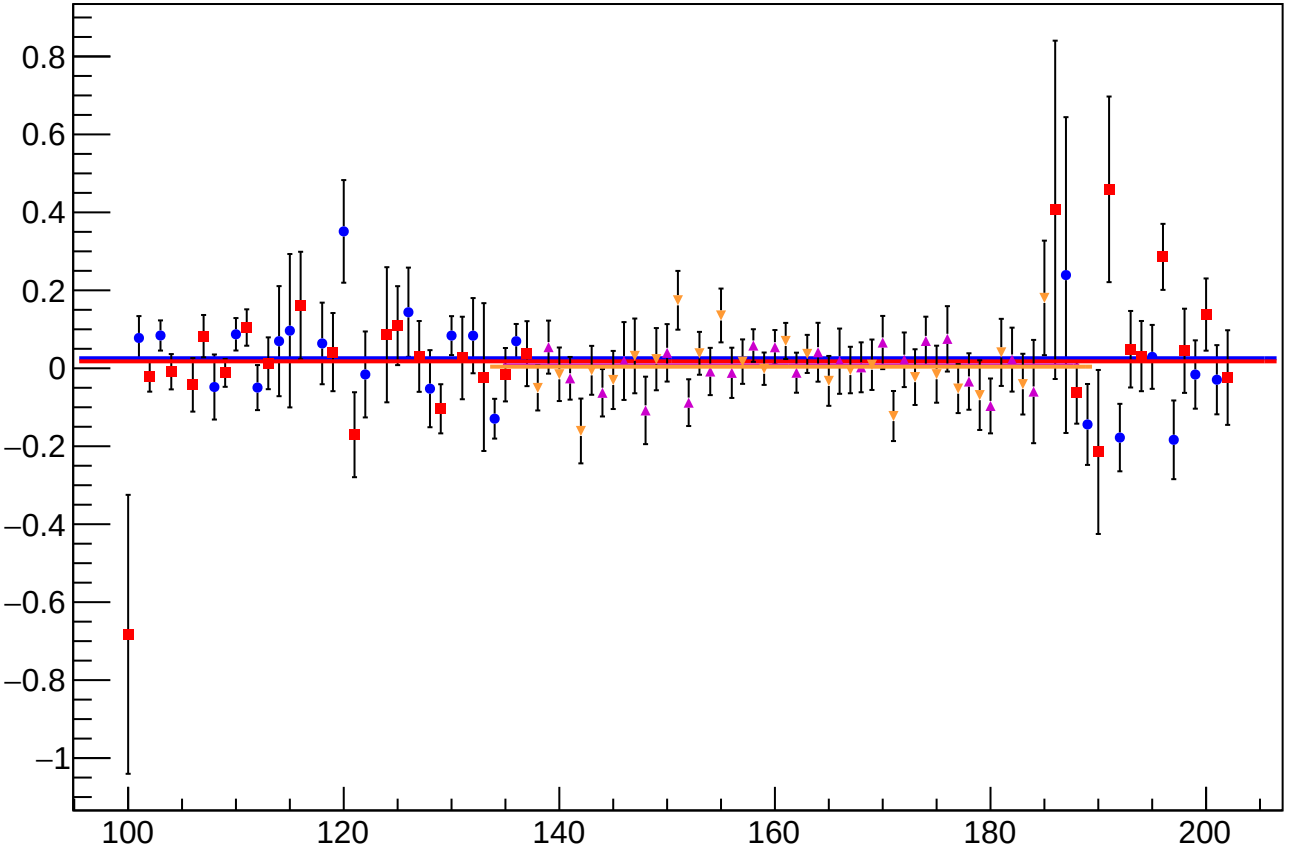
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6664295.2/47

All: 0.000+/-0.000 χ^2/NDF: 14127144.0/99

- sign 0.000+/-0.000 χ^2/NDF: 7458976.1/51

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.015 χ^2/NDF: 41.4/22

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.018+/-0.014 χ^2/NDF: 39.1/28

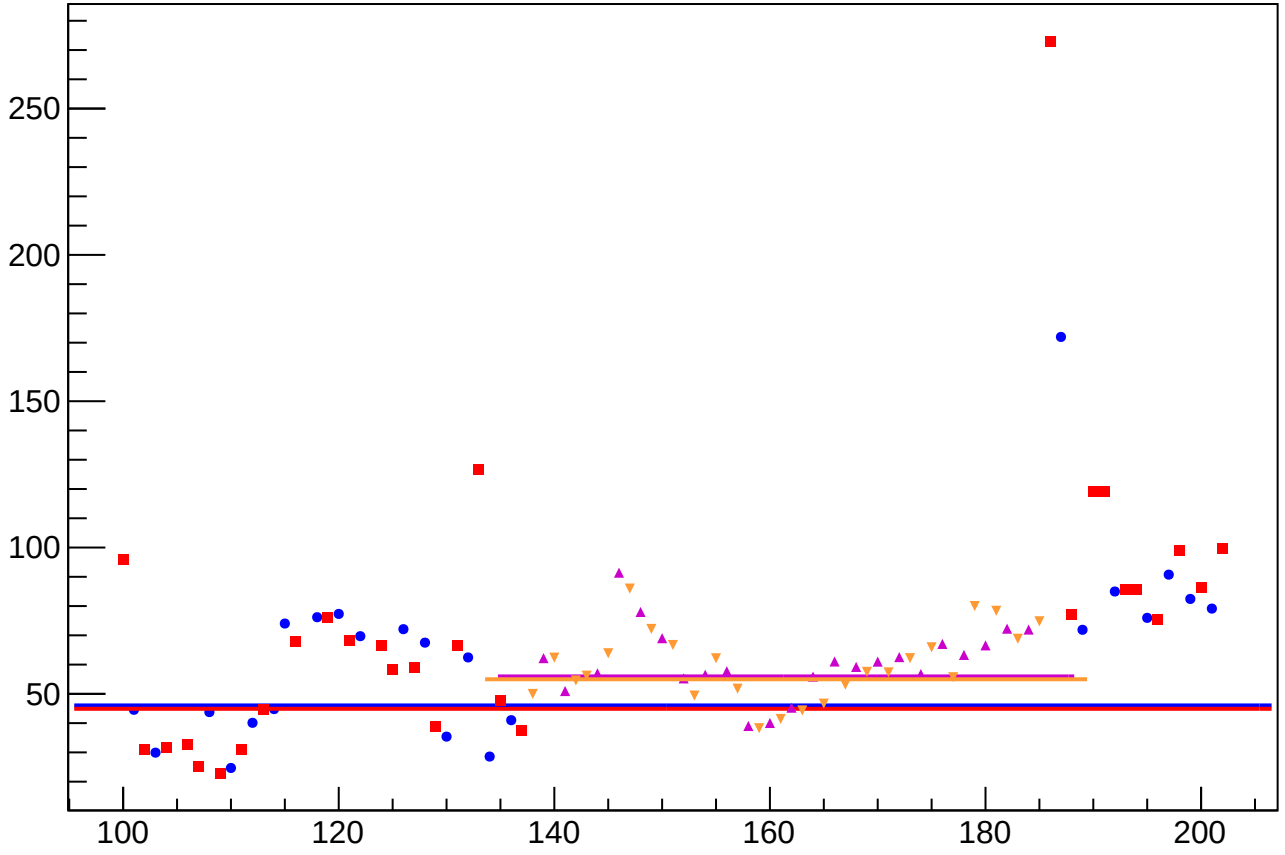
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.5/47

All: 0.013+/-0.007 χ^2/NDF: 121.9/99

- sign 0.012+/-0.010 χ^2/NDF: 54.5/51

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 46.044+/-0.010 χ^2/NDF: 3920432.8/22

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

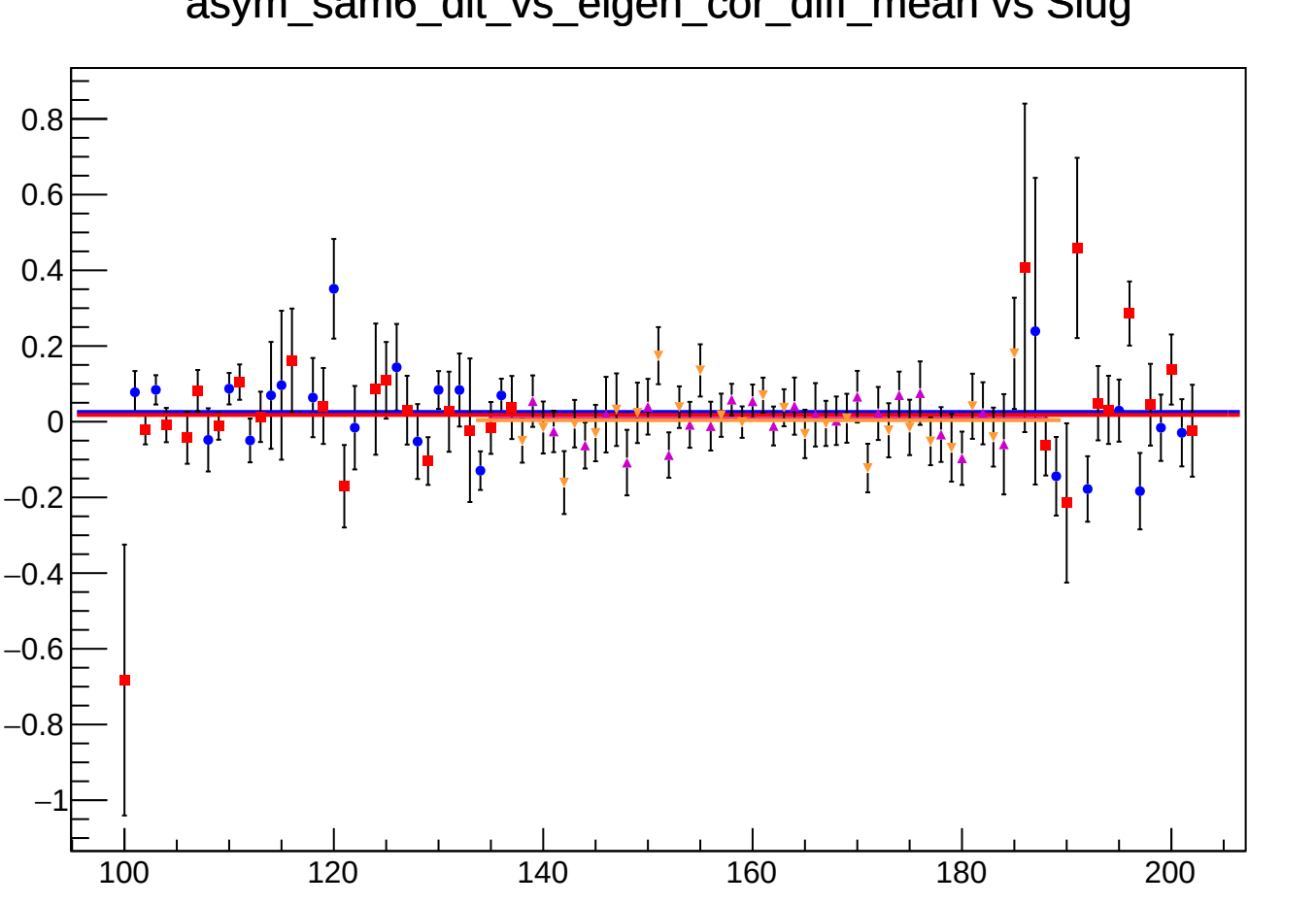
Right Out: 44.902+/-0.010 χ^2/NDF: 6327693.4/28

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 51.075+/-0.007 χ^2/NDF: 5904096.1/47

All: 50.816+/-0.005 χ^2/NDF: 14293578.6/99

- sign 50.560+/-0.007 χ^2/NDF: 8386657.6/51



Right In: 0.026+/-0.015 χ^2/NDF: 41.4/22

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.018+/-0.014 χ^2/NDF: 39.1/28

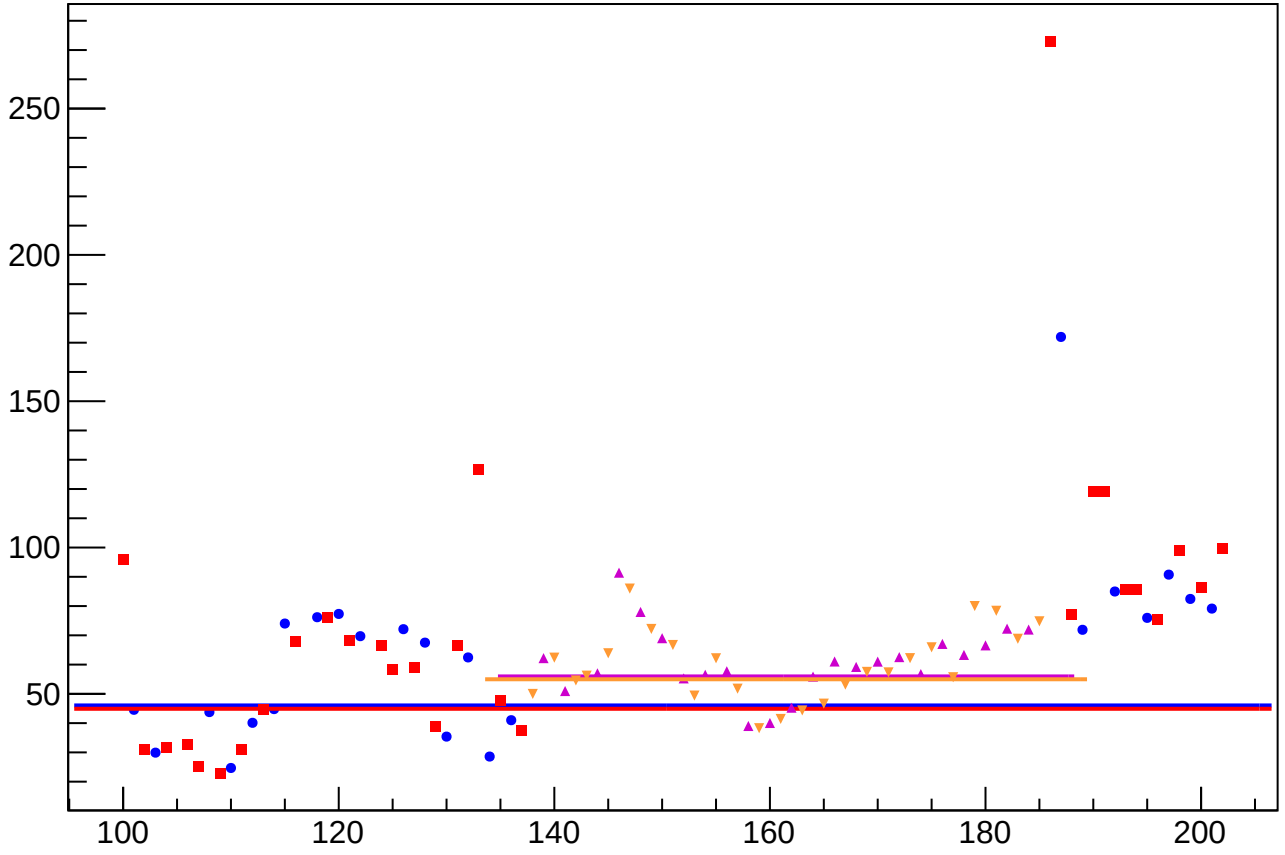
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.5/47

All: 0.013+/-0.007 χ^2/NDF: 121.9/99

- sign 0.012+/-0.010 χ^2/NDF: 54.5/51

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.044+/-0.010 χ^2/NDF: 3920432.8/22

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

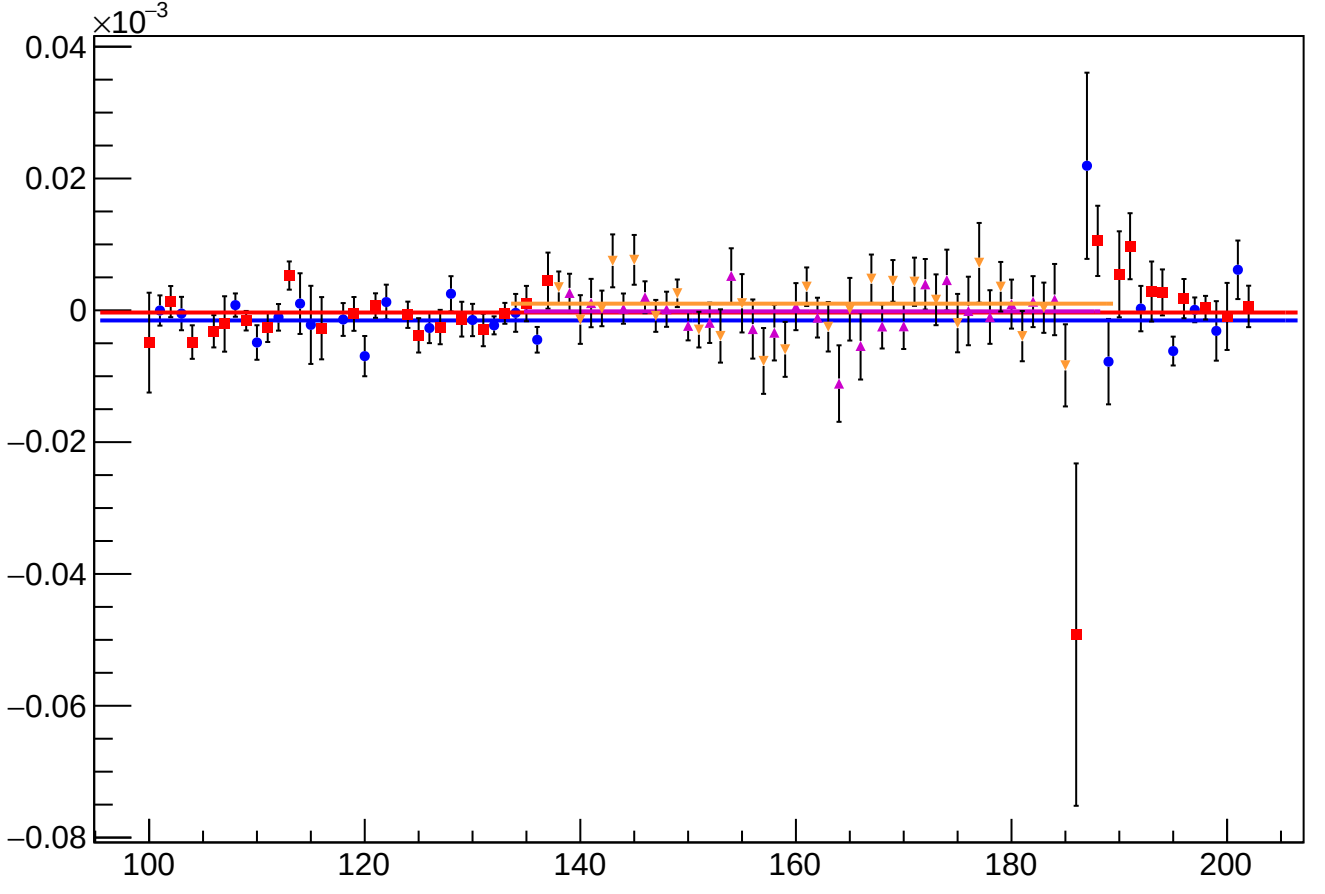
Right Out: 44.902+/-0.010 χ^2/NDF: 6327693.4/28

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 51.075+/-0.007 χ^2/NDF: 5904096.1/47

All: 50.816+/-0.005 χ^2/NDF: 14293578.6/99

- sign 50.560+/-0.007 χ^2/NDF: 8386657.6/51



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.6/28

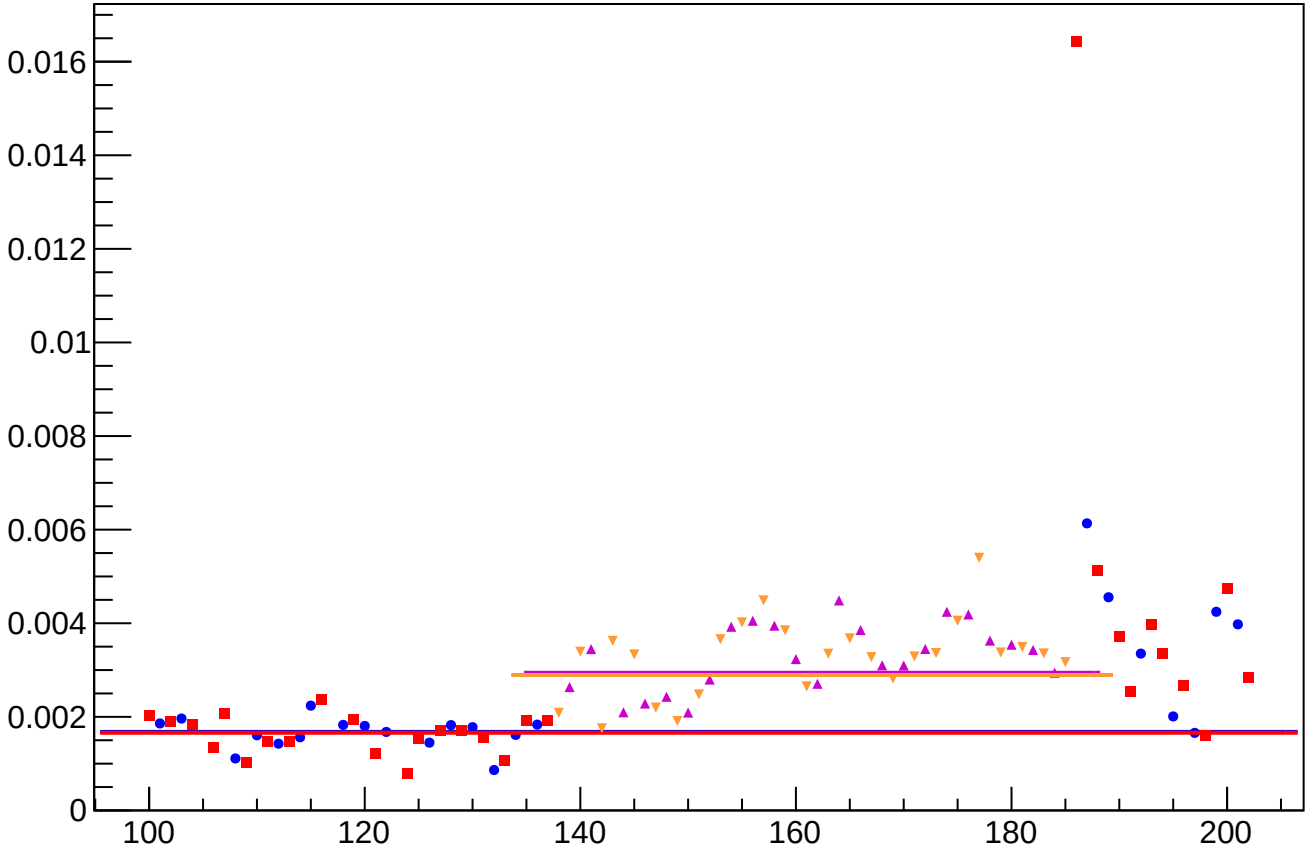
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.5/47

All: -0.000+/-0.000 χ^2/NDF: 112.4/99

- sign -0.000+/-0.000 χ^2/NDF: 48.7/51

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3355599.9/22

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5374337.8/28

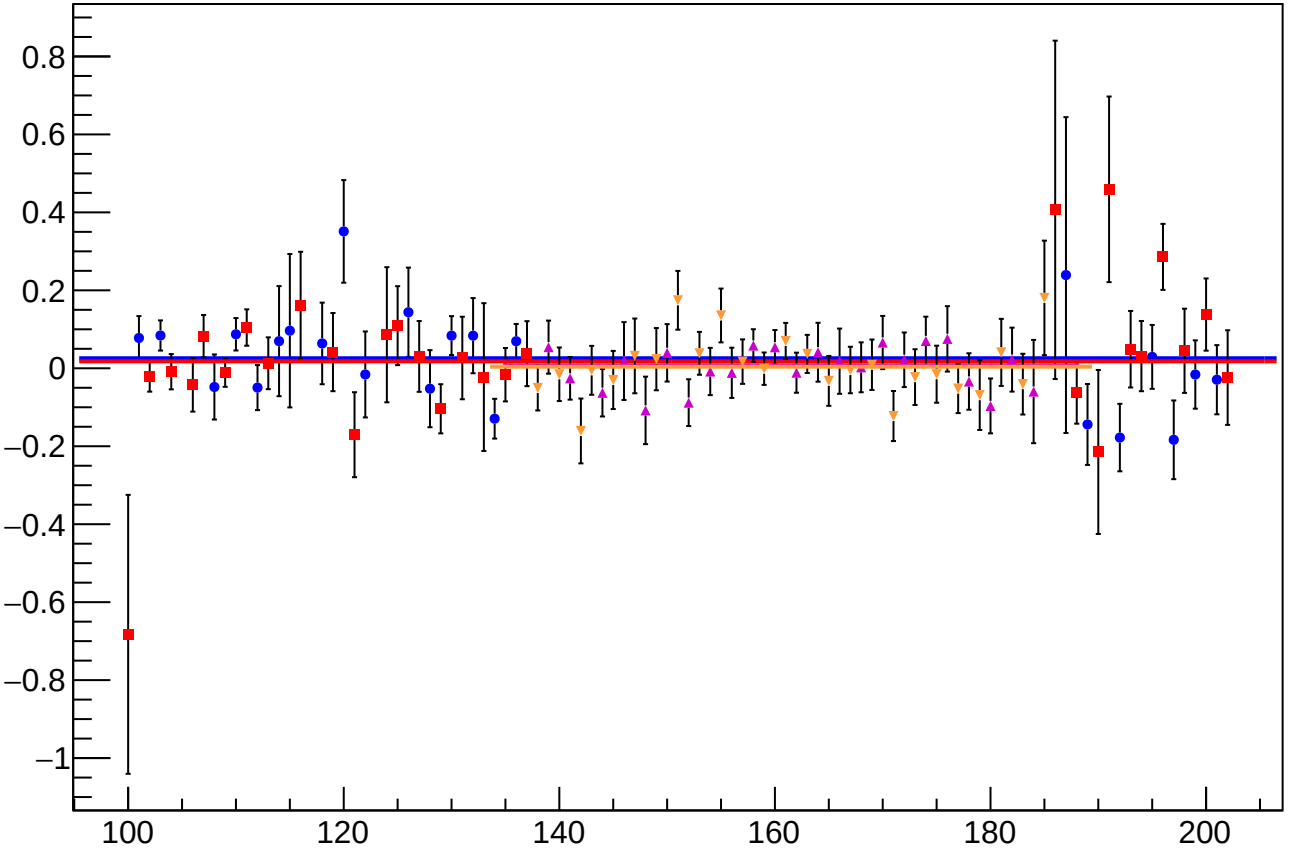
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 9975542.1/47

All: 0.002+/-0.000 χ^2/NDF: 21676589.9/99

- sign 0.002+/-0.000 χ^2/NDF: 11685125.3/51

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.015 χ^2/NDF: 41.4/22

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.018+/-0.014 χ^2/NDF: 39.1/28

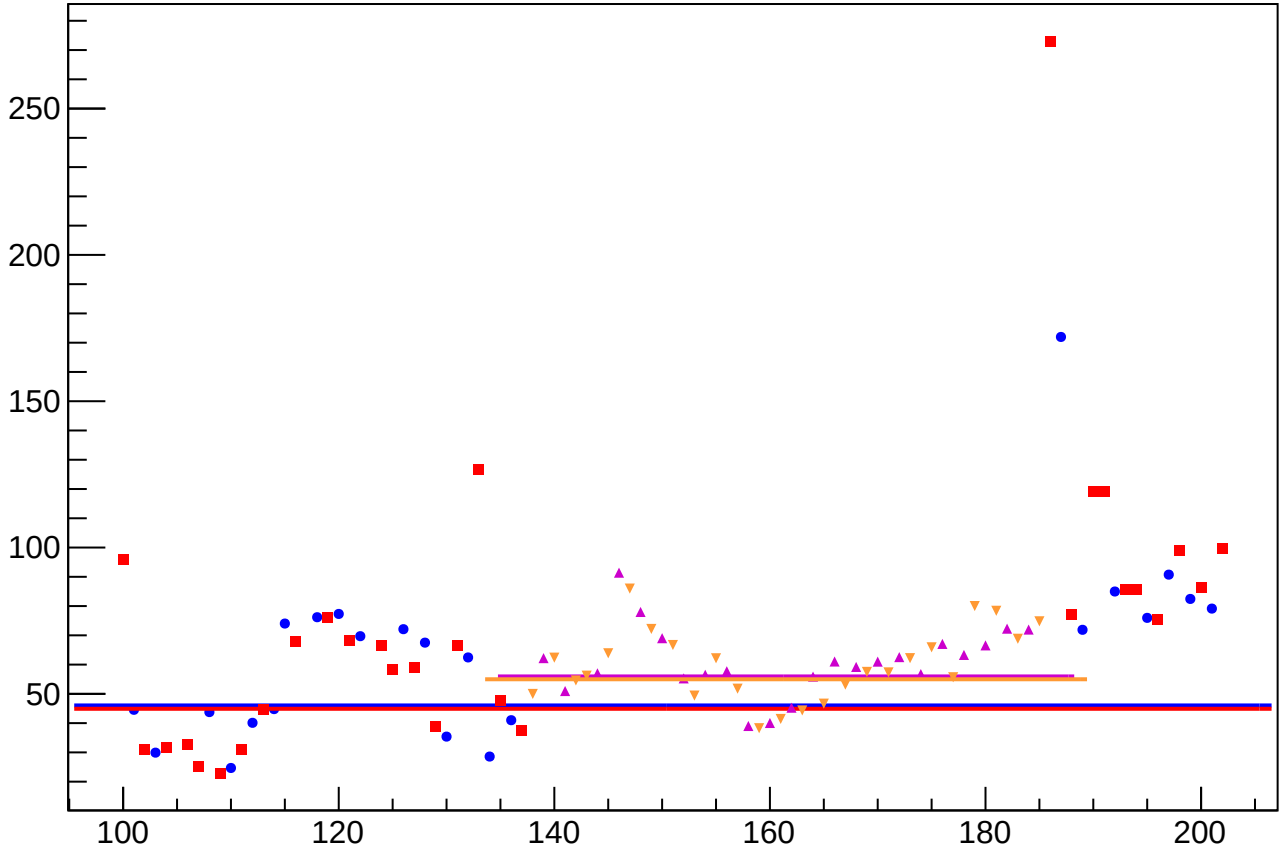
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.4/47

All: 0.013+/-0.007 χ^2/NDF: 121.9/99

- sign 0.012+/-0.010 χ^2/NDF: 54.5/51

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 46.043+/-0.010 χ^2/NDF: 3920521.8/22

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

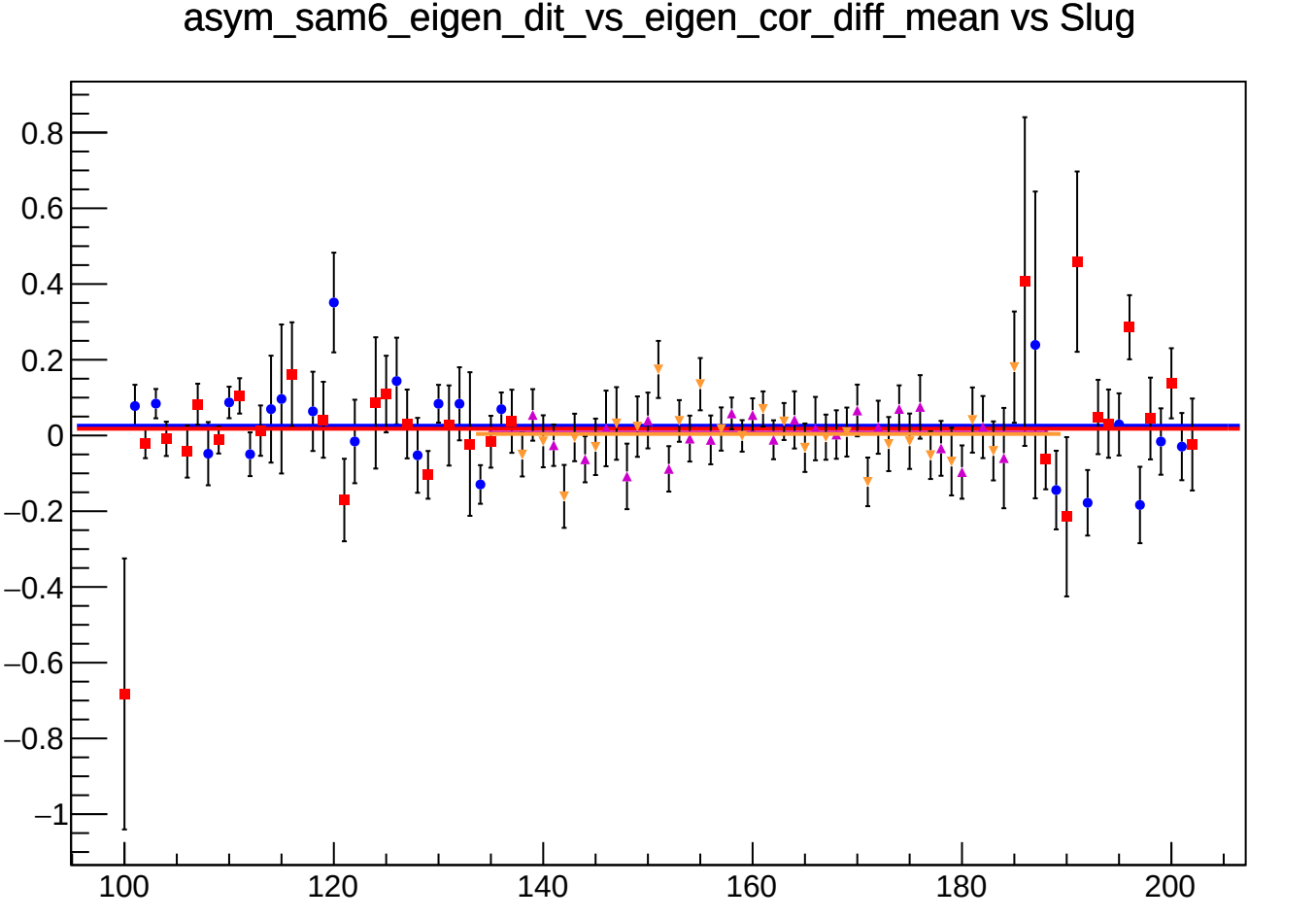
Right Out: 44.901+/-0.010 χ^2/NDF: 6327687.7/28

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 51.074+/-0.007 χ^2/NDF: 5904277.7/47

All: 50.816+/-0.005 χ^2/NDF: 14293839.1/99

- sign 50.559+/-0.007 χ^2/NDF: 8386737.4/51



Right In: 0.026+/-0.015 χ^2/NDF: 41.4/22

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

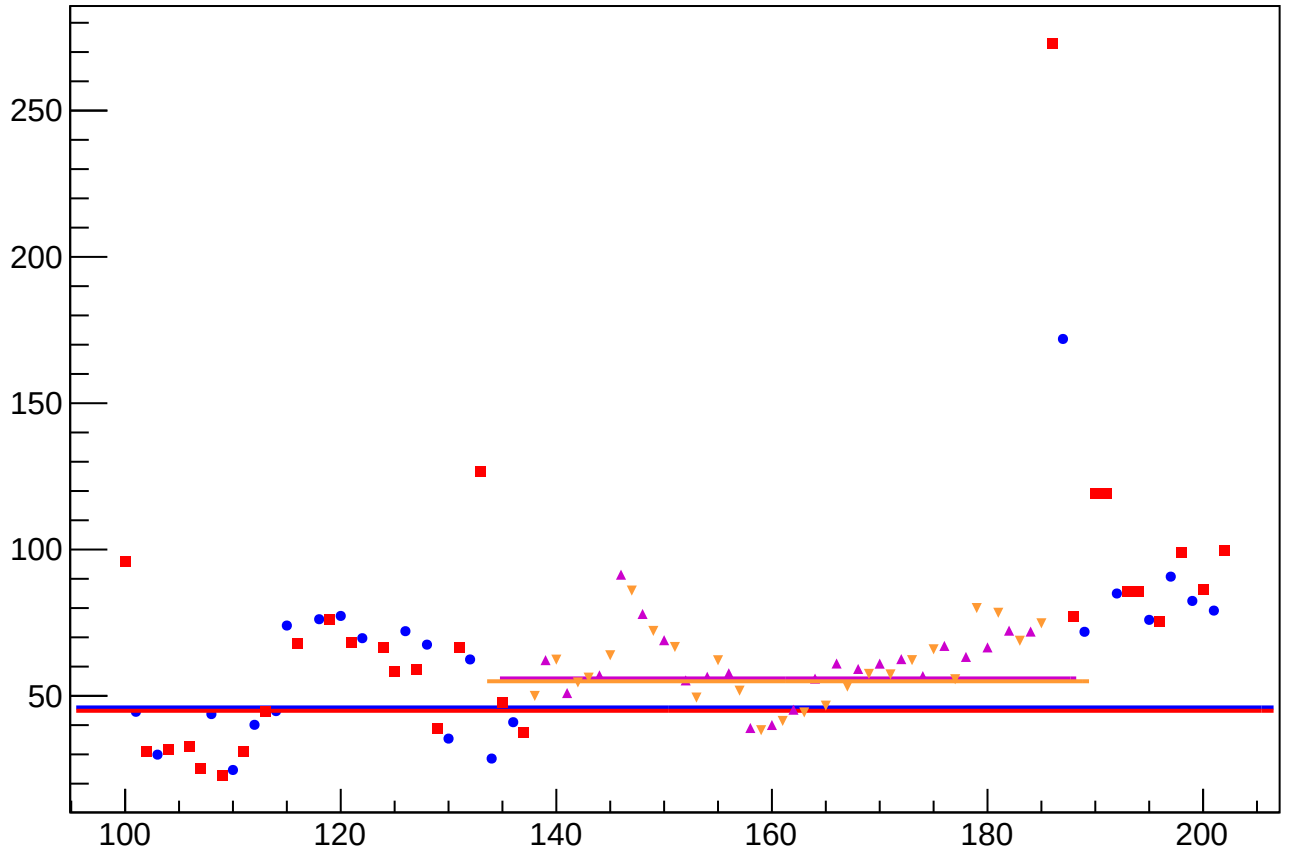
Right Out: 0.018+/-0.014 χ^2/NDF: 39.1/28

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.4/47

All: 0.013+/-0.007 χ^2/NDF: 121.9/99

- sign 0.012+/-0.010 χ^2/NDF: 54.5/51



Right In: 46.043+/-0.010 χ^2/NDF: 3920521.8/22

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 44.901+/-0.010 χ^2/NDF: 6327687.7/28

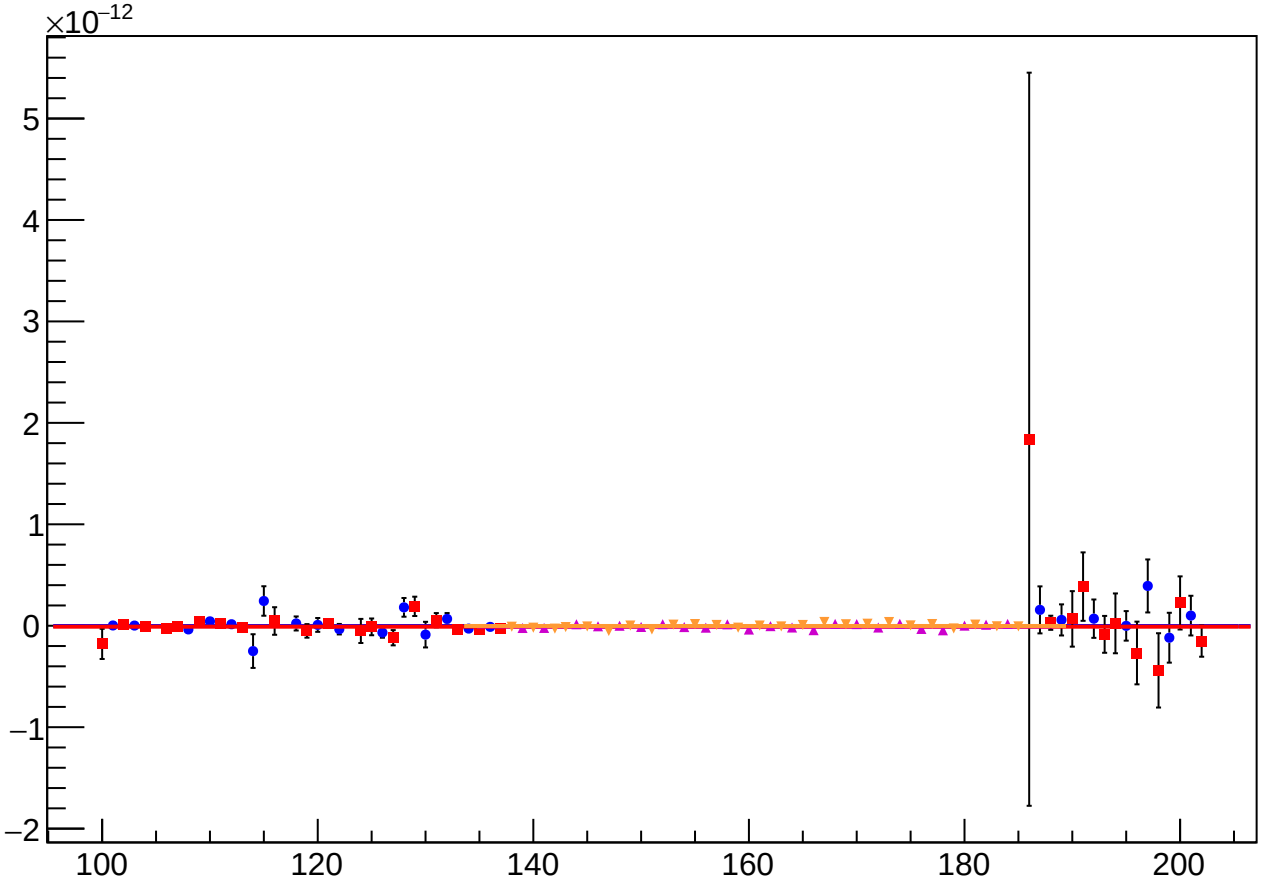
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 51.074+/-0.007 χ^2/NDF: 5904277.7/47

All: 50.816+/-0.005 χ^2/NDF: 14293839.1/99

- sign 50.559+/-0.007 χ^2/NDF: 8386737.4/51

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

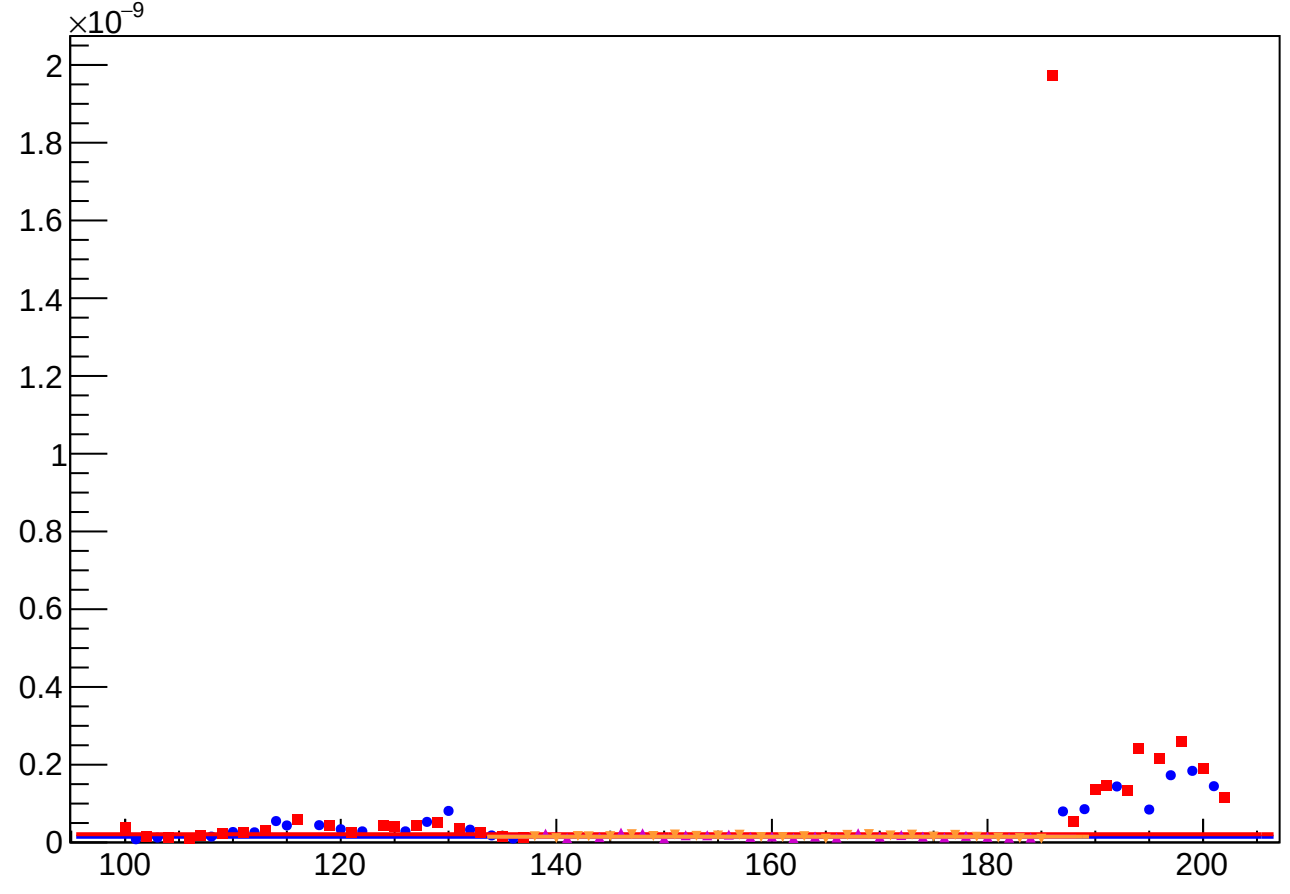
Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/28

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/47

All: -0.000+/-0.000 χ^2/NDF: 83.9/99

- sign -0.000+/-0.000 χ^2/NDF: 43.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 7786136.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8953139.0/28

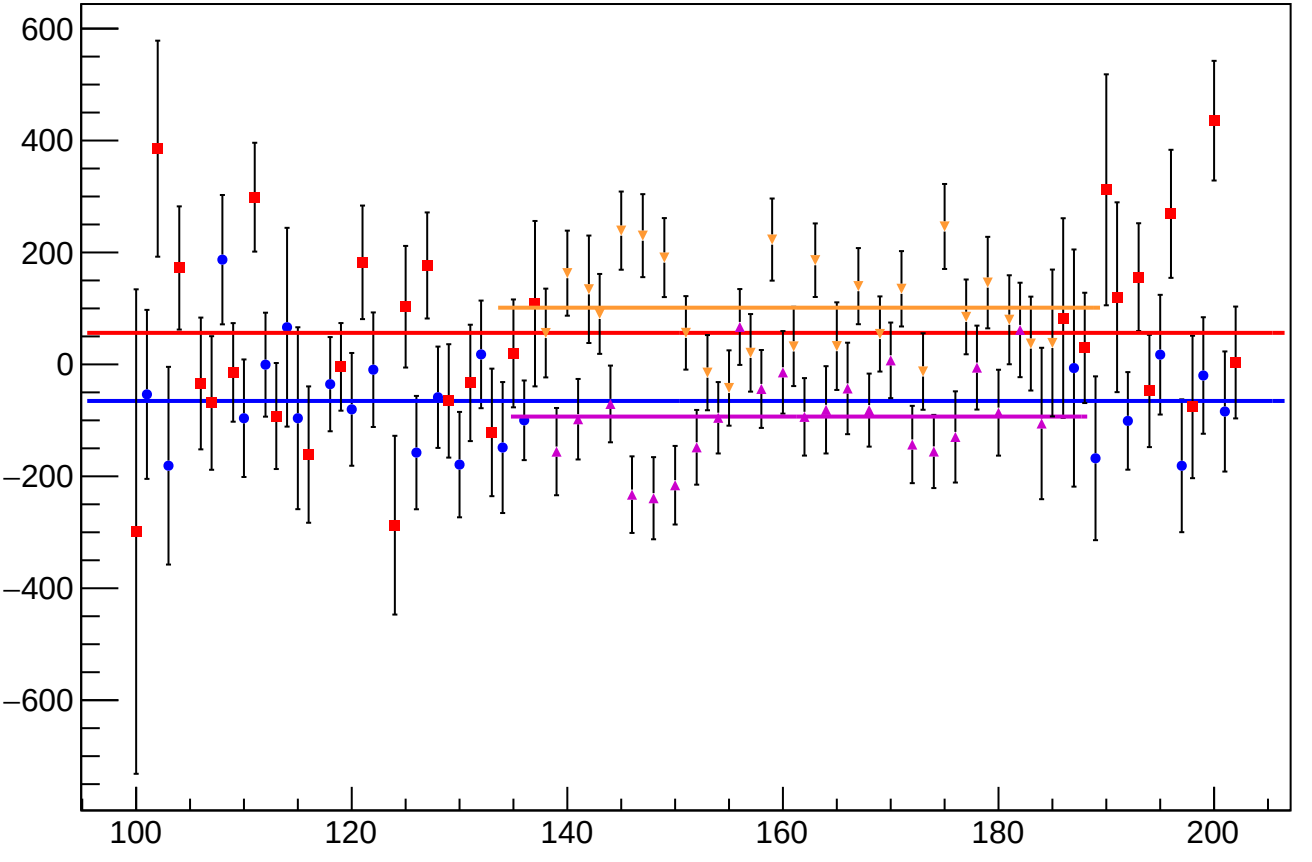
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9188889.3/47

All: 0.000+/-0.000 χ^2/NDF: 20487059.7/99

- sign 0.000+/-0.000 χ^2/NDF: 11168014.5/51

reg_asym_sam7_mean vs Slug



Right In: -65.323+/-22.298 χ^2/NDF: 13.1/22

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 56.343+/-20.796 χ^2/NDF: 53.7/28

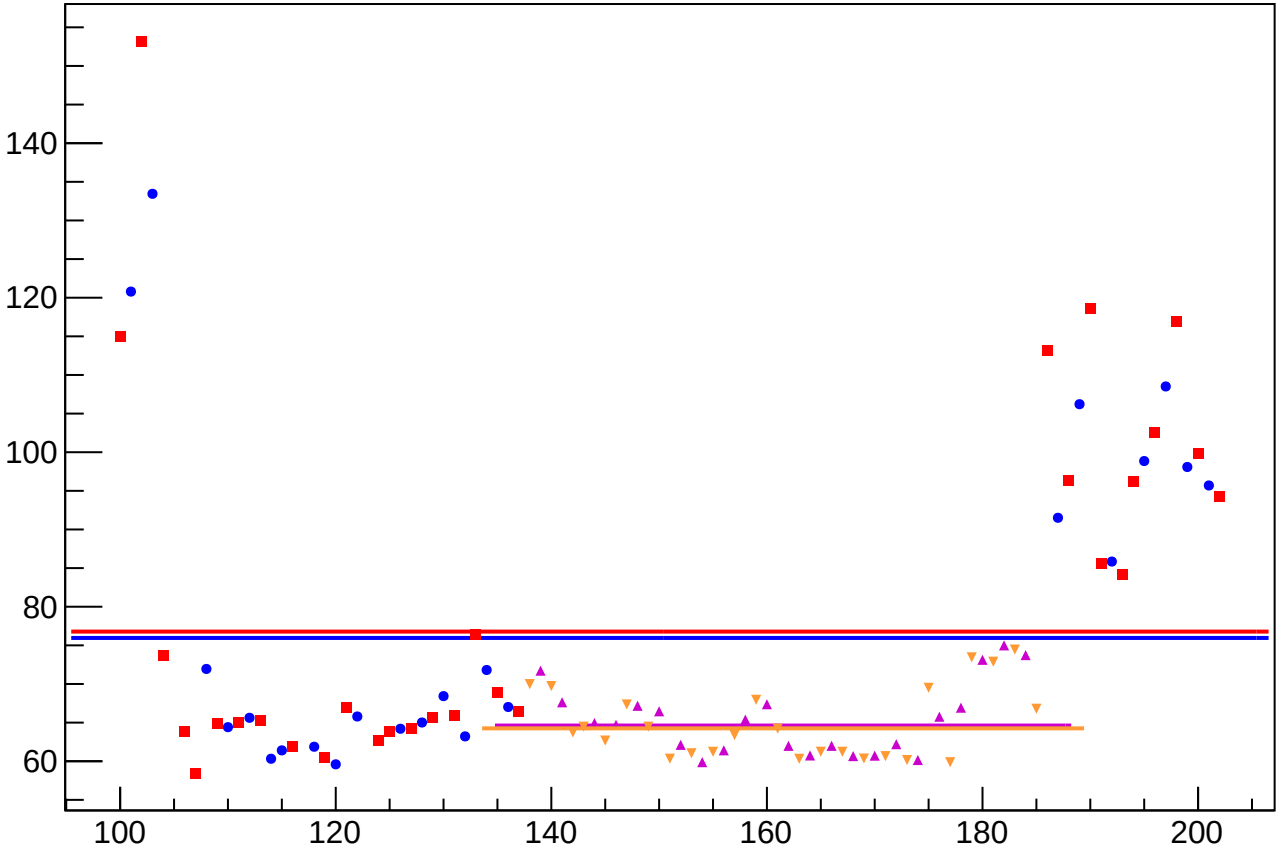
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 51.118+/-12.239 χ^2/NDF: 86.0/47

All: 4.838+/-8.654 χ^2/NDF: 230.9/99

- sign -41.435+/-12.238 χ^2/NDF: 116.3/51

reg_asym_sam7_rms vs Slug



Right In: 75.958+/-0.016 χ^2/NDF: 1259969.4/22

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

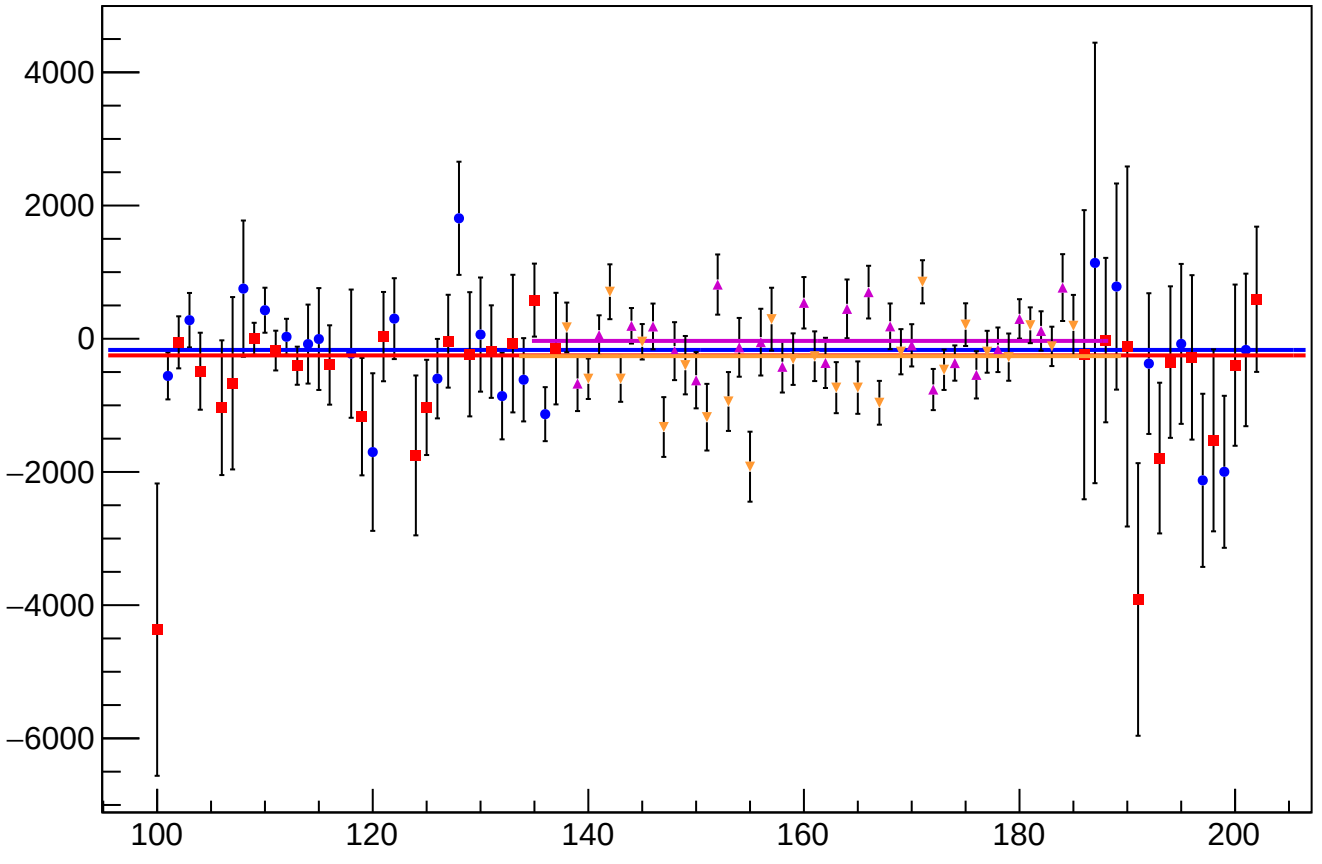
Right Out: 76.783+/-0.015 χ^2/NDF: 1571142.3/28

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 67.781+/-0.009 χ^2/NDF: 1822579.5/47

All: 68.307+/-0.006 χ^2/NDF: 3995430.7/99

- sign 68.833+/-0.009 χ^2/NDF: 2165466.6/51



Right In: -167.955+/-121.892 χ^2/NDF: 28.0/22

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -250.166+/-113.521 χ^2/NDF: 19.2/28

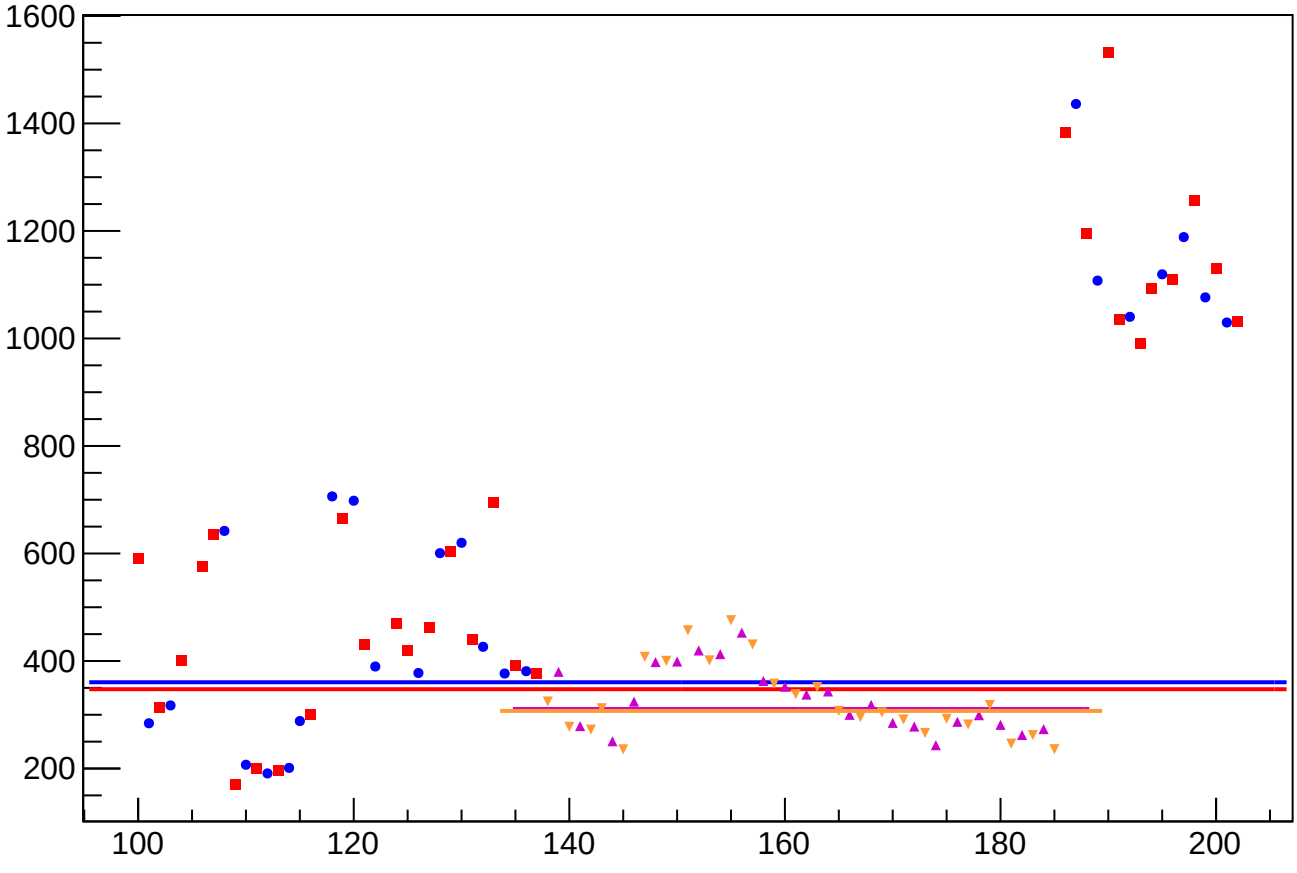
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -237.388+/-61.524 χ^2/NDF: 87.2/47

All: -167.695+/-43.635 χ^2/NDF: 143.3/99

- sign -97.155+/-61.896 χ^2/NDF: 53.5/51

asym_sam7_reg_correction_rms vs Slug



Right In: 360.462+/-0.086 χ^2/NDF: 7014302.2/22

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 347.536+/-0.080 χ^2/NDF: 10005449.4/28

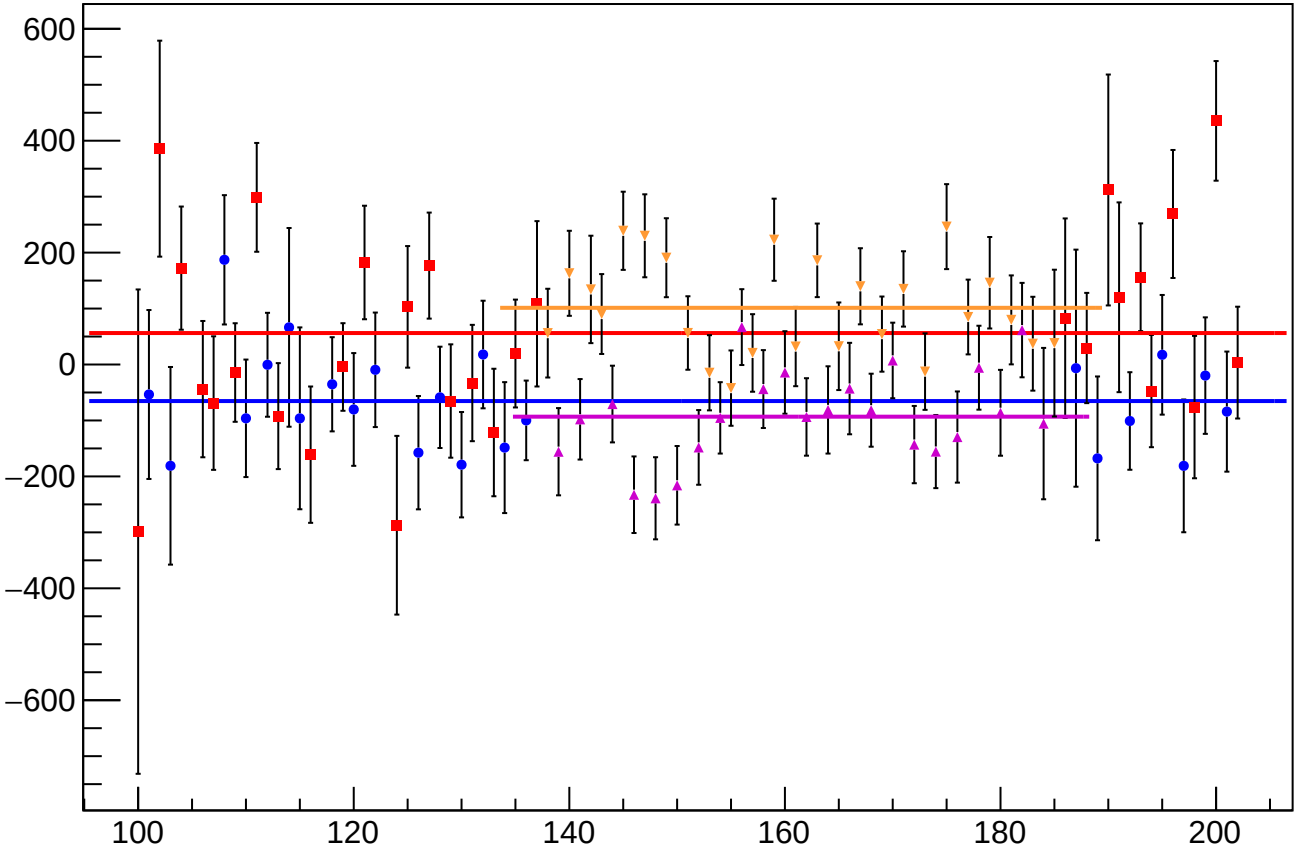
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 320.727+/-0.044 χ^2/NDF: 8619639.0/47

All: 321.185+/-0.031 χ^2/NDF: 19852784.5/99

- sign 321.649+/-0.044 χ^2/NDF: 11232922.2/51

cor_asym_sam7_mean vs Slug



Right In: -65.326+/-22.298 χ^2/NDF: 13.1/22

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 56.239+/-20.817 χ^2/NDF: 53.7/28

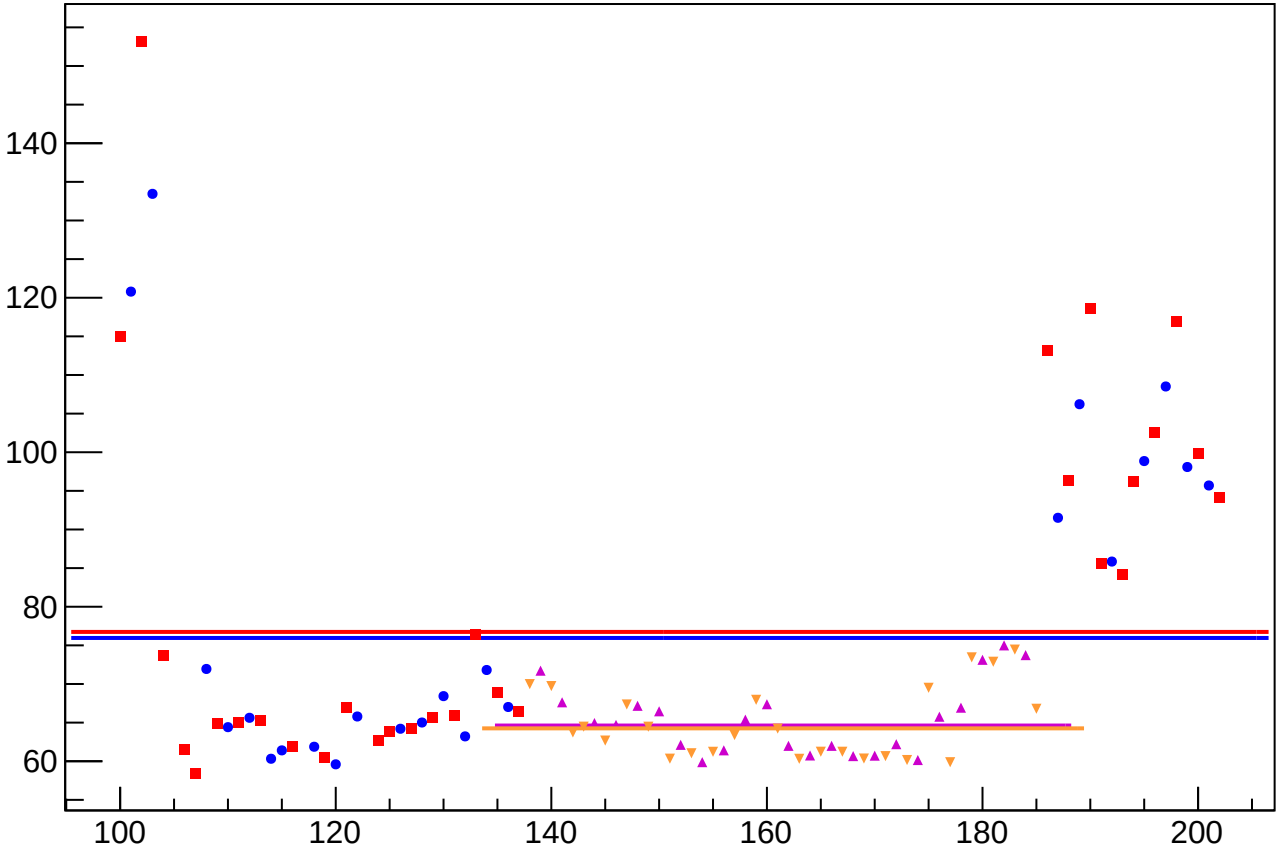
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 51.117+/-12.239 χ^2/NDF: 86.0/47

All: 4.802+/-8.655 χ^2/NDF: 231.0/99

- sign -41.539+/-12.242 χ^2/NDF: 116.3/51

cor_asym_sam7_rms vs Slug



Right In: 75.958+/-0.016 χ^2/NDF: 1259969.7/22

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.740+/-0.015 χ^2/NDF: 1578531.0/28

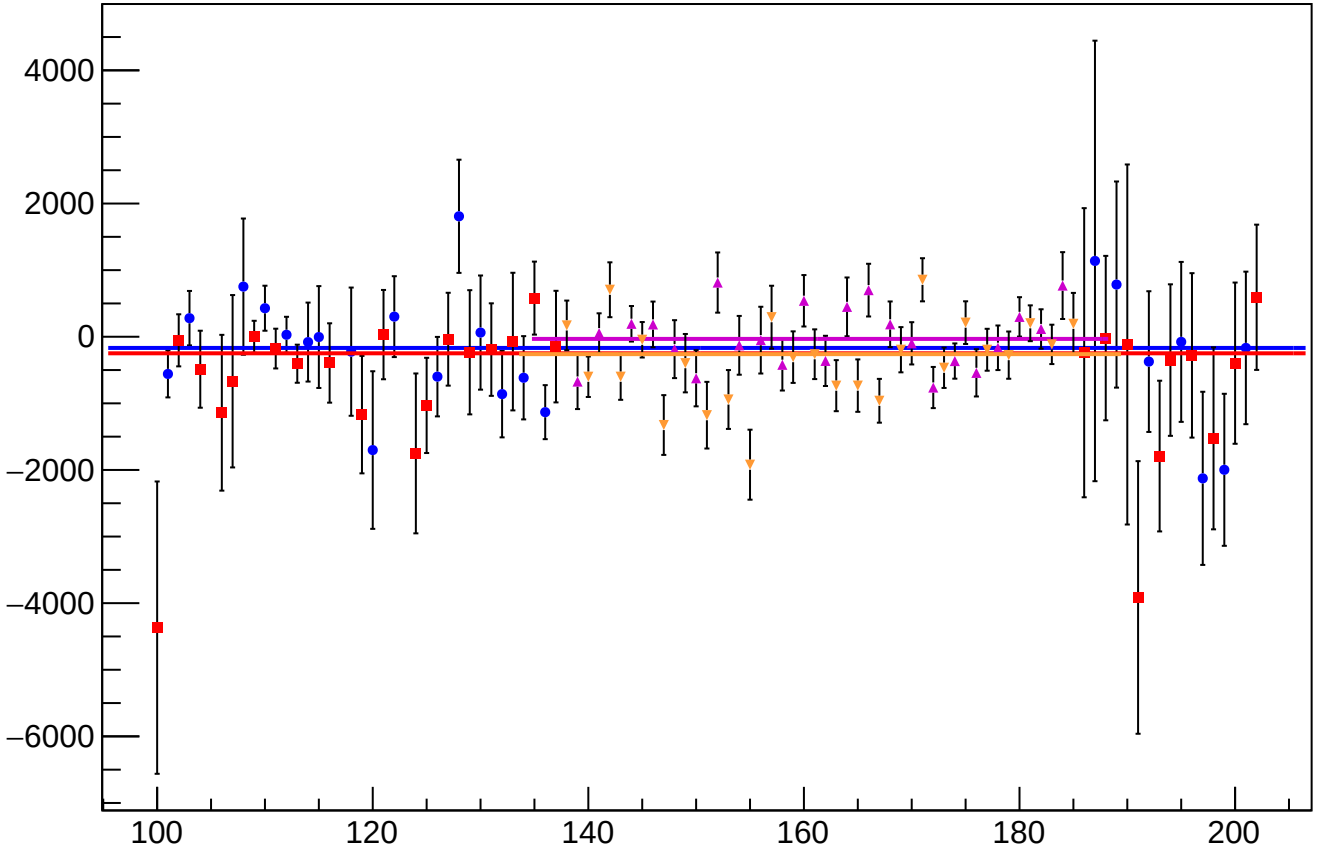
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 67.781+/-0.009 χ^2/NDF: 1822579.9/47

All: 68.297+/-0.006 χ^2/NDF: 3998817.0/99

- sign 68.813+/-0.009 χ^2/NDF: 2169138.2/51

asym_sam7_cor_correction_mean vs Slug



Right In: -167.952+/-121.893 χ^2/NDF: 28.0/22

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -248.673+/-113.706 χ^2/NDF: 19.2/28

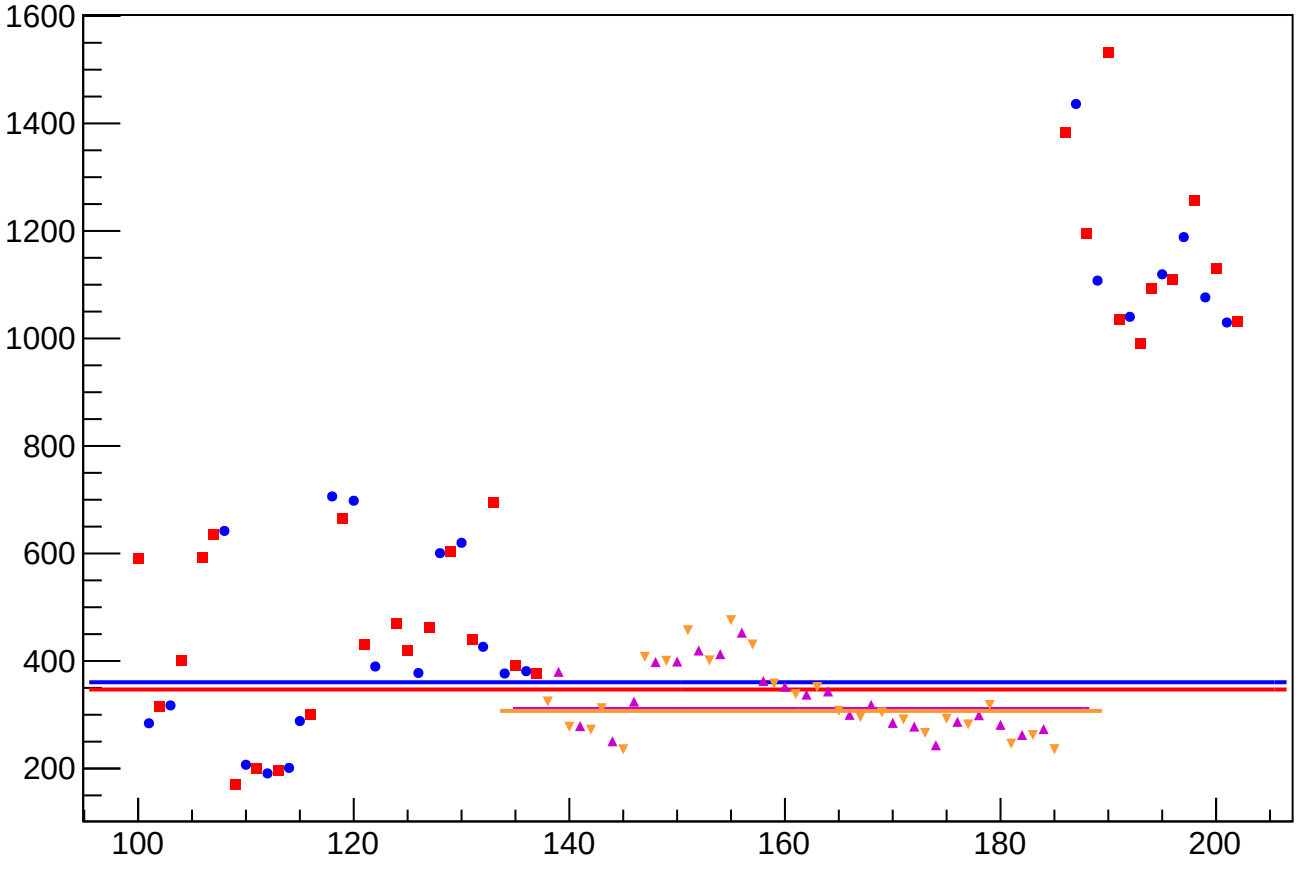
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -237.387+/-61.524 χ^2/NDF: 87.2/47

All: -167.434+/-43.645 χ^2/NDF: 143.2/99

- sign -96.562+/-61.926 χ^2/NDF: 53.4/51

asym_sam7_cor_correction_rms vs Slug



Right In: 360.464+/-0.086 χ^2/NDF: 7014277.8/22

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 346.994+/-0.080 χ^2/NDF: 9992087.2/28

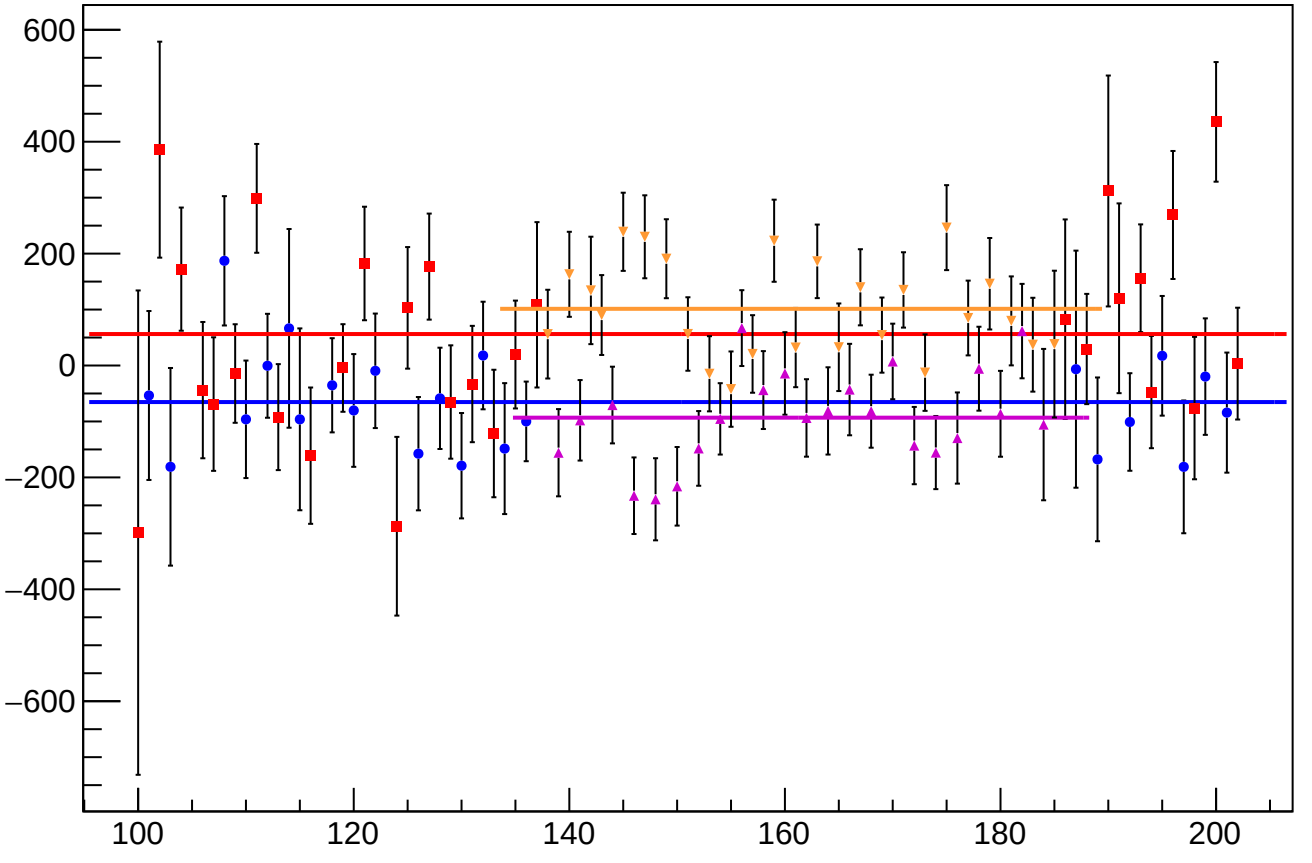
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 320.727+/-0.044 χ^2/NDF: 8619634.9/47

All: 321.093+/-0.031 χ^2/NDF: 19834691.7/99

- sign 321.463+/-0.044 χ^2/NDF: 11214914.6/51

eigen_cor_asym_sam7_mean vs Slug



Right In: -65.326+/-22.298 χ^2/NDF: 13.1/22

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 56.239+/-20.817 χ^2/NDF: 53.7/28

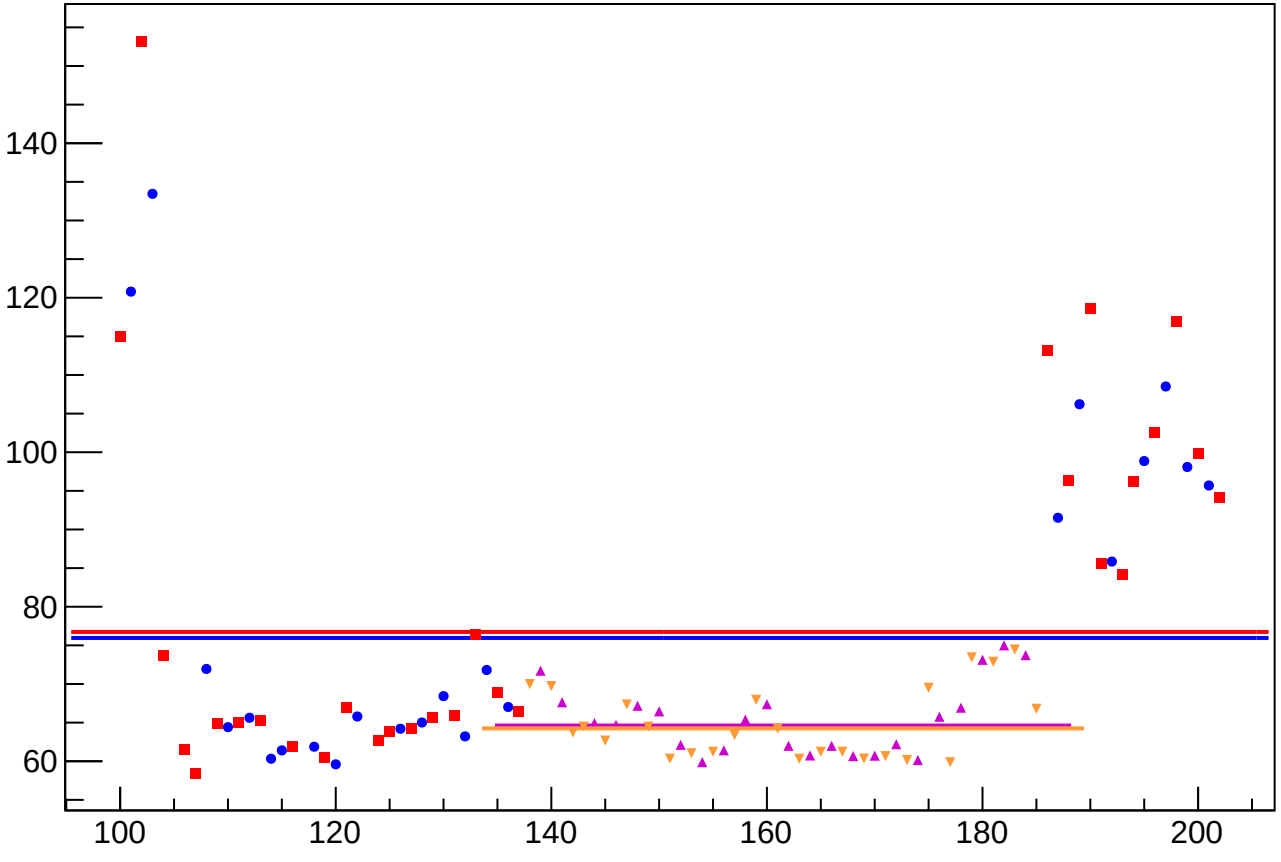
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 51.117+/-12.239 χ^2/NDF: 86.0/47

All: 4.802+/-8.655 χ^2/NDF: 231.0/99

- sign -41.539+/-12.242 χ^2/NDF: 116.3/51

eigen_cor_asym_sam7_rms vs Slug



Right In: 75.958+/-0.016 χ^2/NDF: 1259969.7/22

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

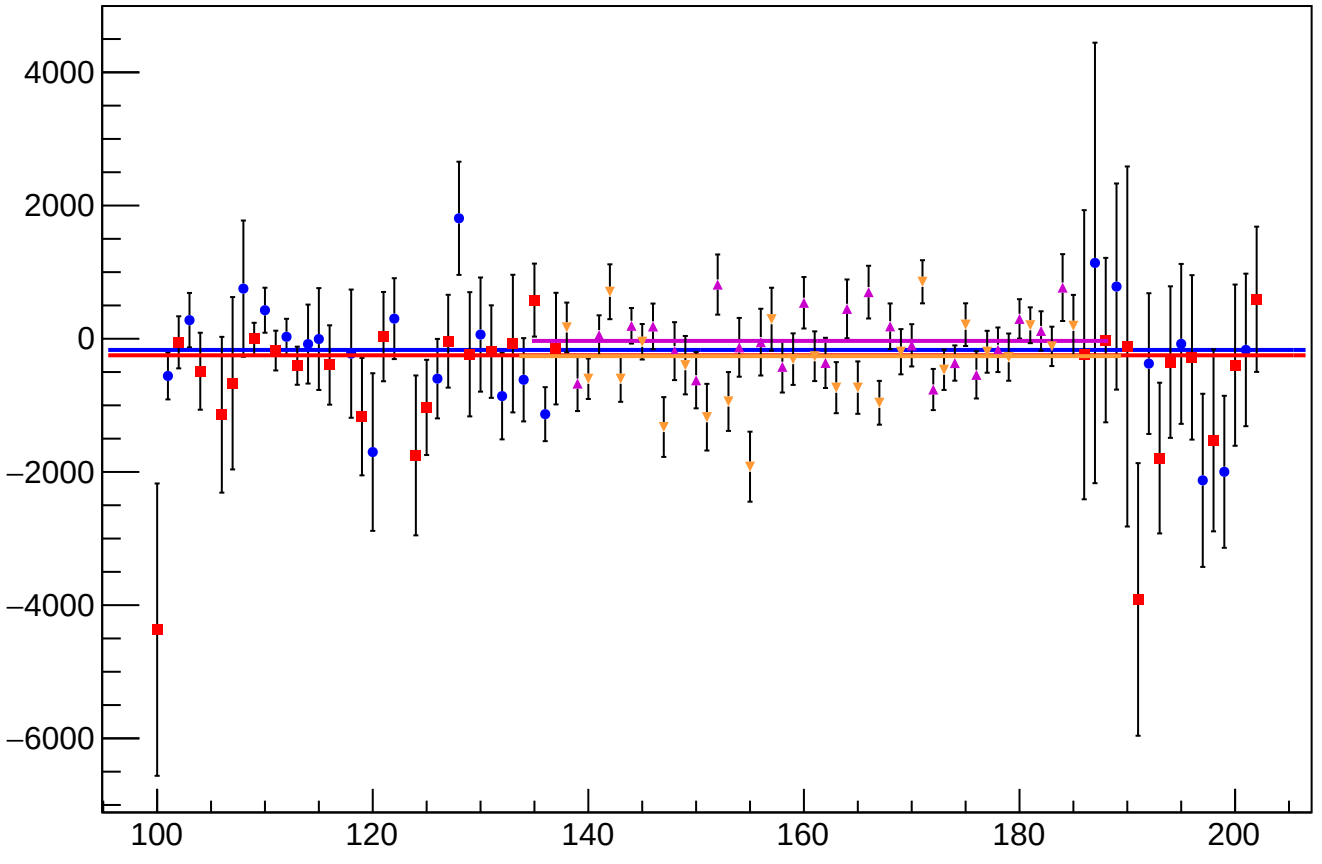
Right Out: 76.740+/-0.015 χ^2/NDF: 1578531.0/28

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 67.781+/-0.009 χ^2/NDF: 1822579.9/47

All: 68.297+/-0.006 χ^2/NDF: 3998817.0/99

- sign 68.813+/-0.009 χ^2/NDF: 2169138.2/51



Right In: -167.952+/-121.893 χ^2/NDF: 28.0/22

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -248.673+/-113.706 χ^2/NDF: 19.2/28

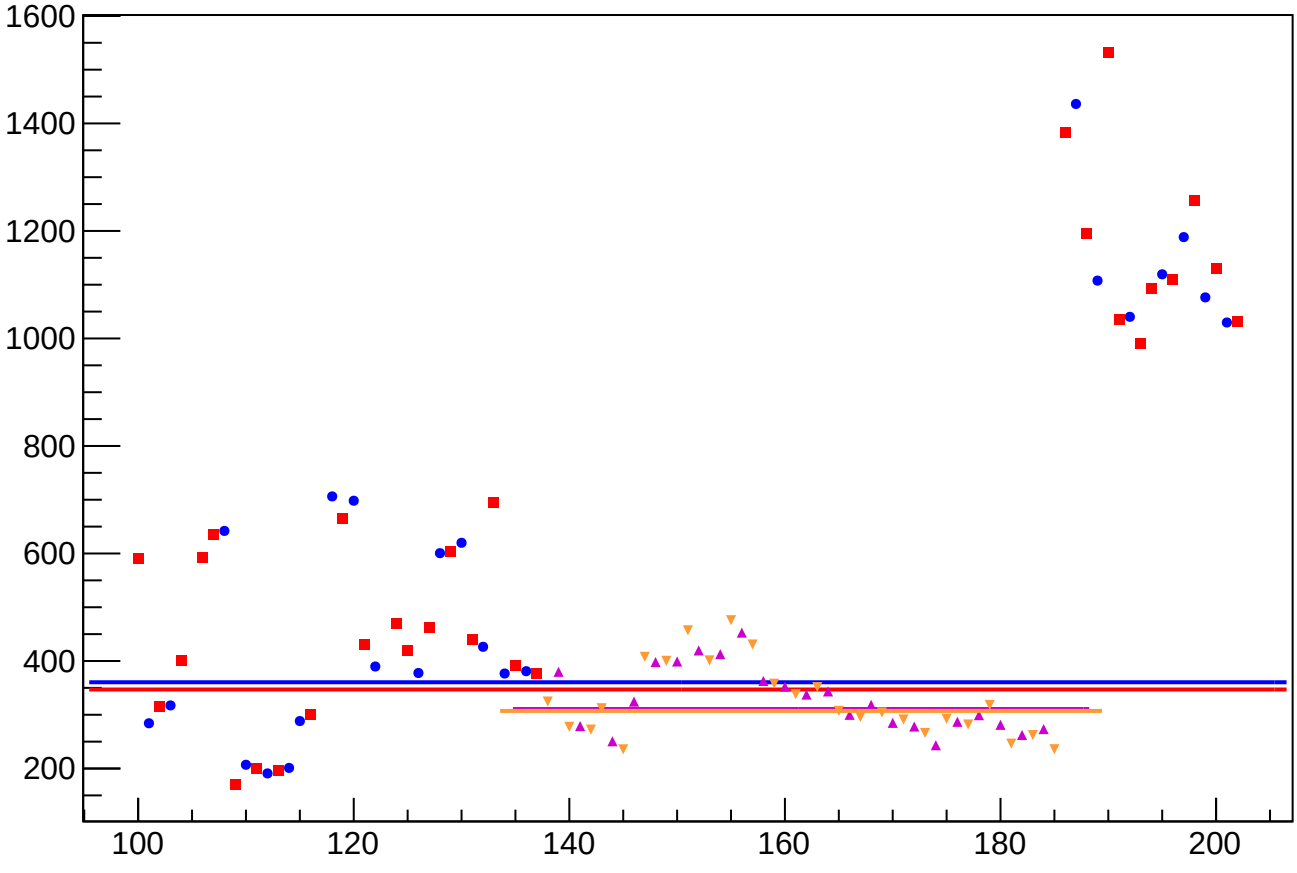
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -237.387+/-61.524 χ^2/NDF: 87.2/47

All: -167.434+/-43.645 χ^2/NDF: 143.2/99

- sign -96.562+/-61.926 χ^2/NDF: 53.4/51

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 360.464+/-0.086 χ^2/NDF: 7014277.8/22

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

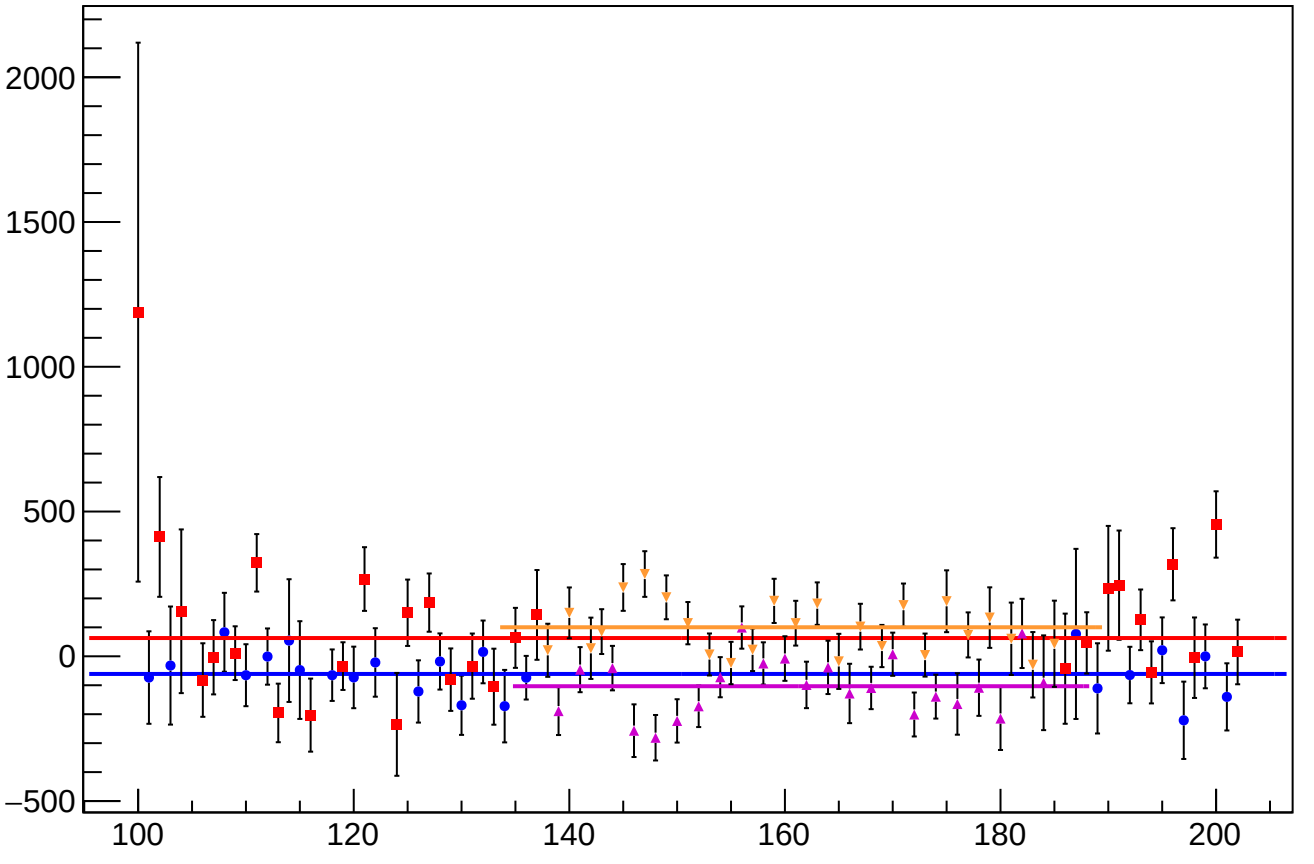
Right Out: 346.994+/-0.080 χ^2/NDF: 9992087.2/28

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 320.727+/-0.044 χ^2/NDF: 8619634.9/47

All: 321.093+/-0.031 χ^2/NDF: 19834691.7/99

- sign 321.463+/-0.044 χ^2/NDF: 11214914.6/51



Right In: -60.970+/-24.141 χ^2/NDF: 7.9/22

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 63.075+/-22.649 χ^2/NDF: 58.1/28

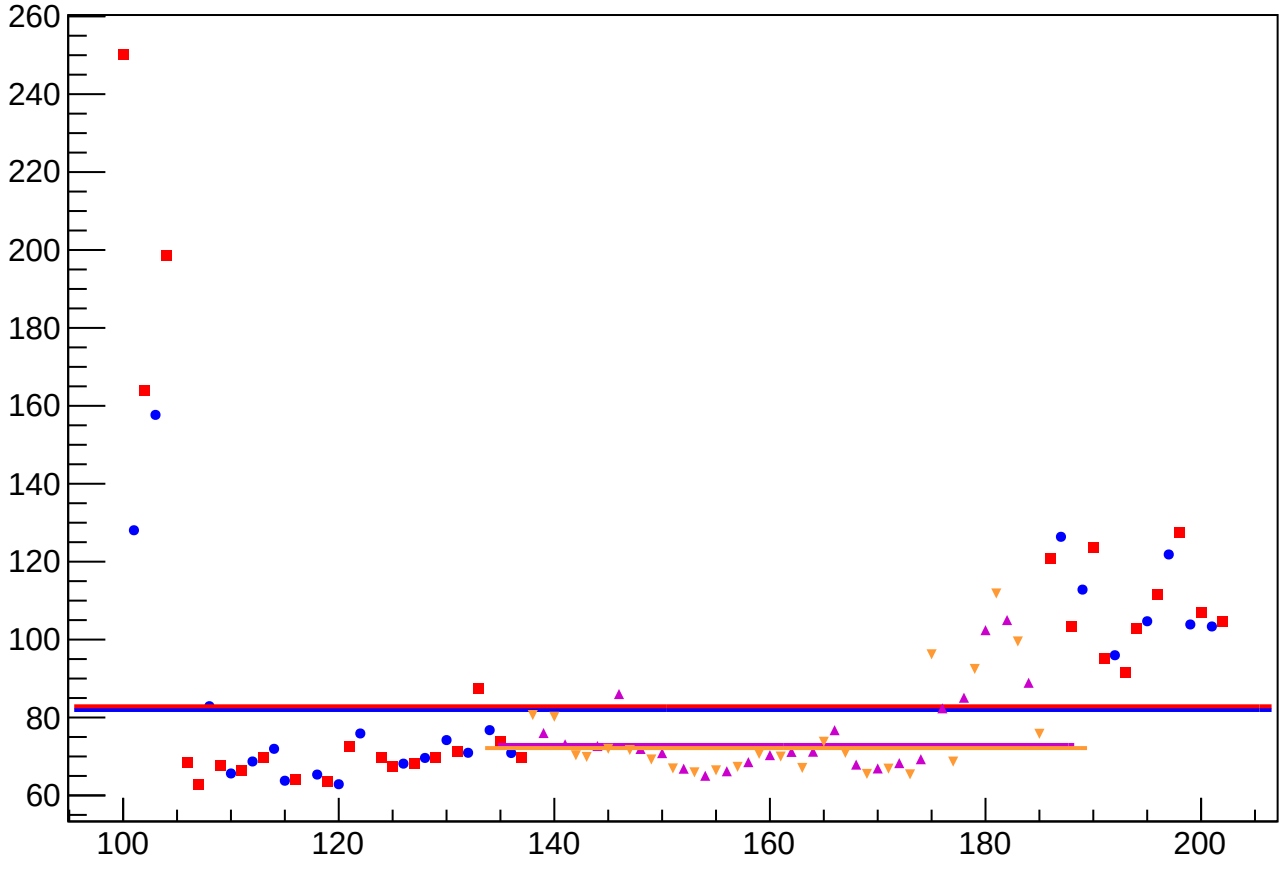
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 48.405+/-13.692 χ^2/NDF: 65.9/47

All: 3.214+/-9.695 χ^2/NDF: 212.7/99

- sign -42.214+/-13.728 χ^2/NDF: 125.0/51

dit_asym_sam7_rms vs Slug



Right In: 81.935+/-0.017 χ^2/NDF: 1409004.0/22

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 82.871+/-0.016 χ^2/NDF: 2065063.5/28

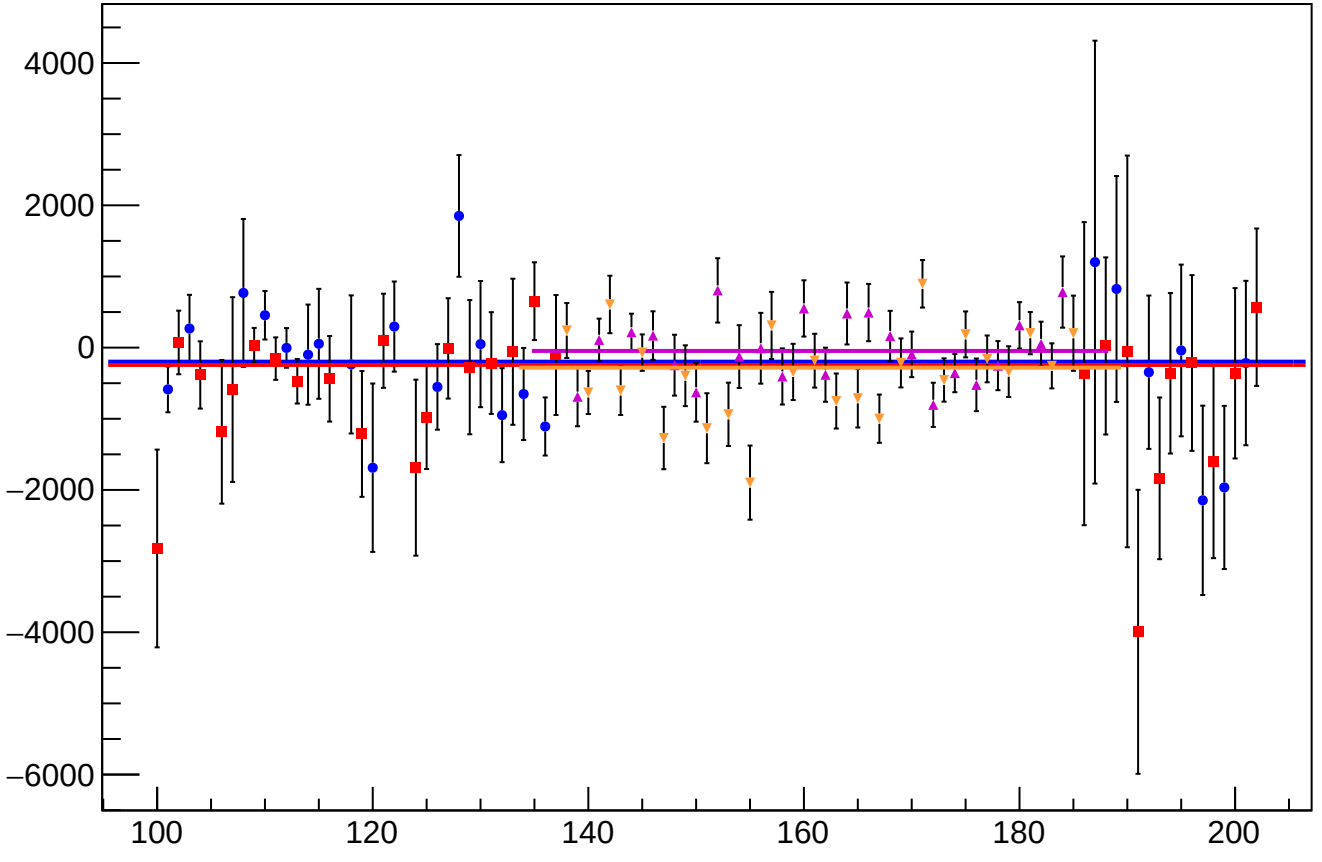
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 75.298+/-0.010 χ^2/NDF: 2273878.3/47

All: 75.944+/-0.007 χ^2/NDF: 5099740.4/99

- sign 76.594+/-0.010 χ^2/NDF: 2816924.9/51

asym_sam7_dit_correction_mean vs Slug



Right In: -197.332+/-124.281 χ^2/NDF: 27.9/22

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -243.473+/-115.606 χ^2/NDF: 20.8/28

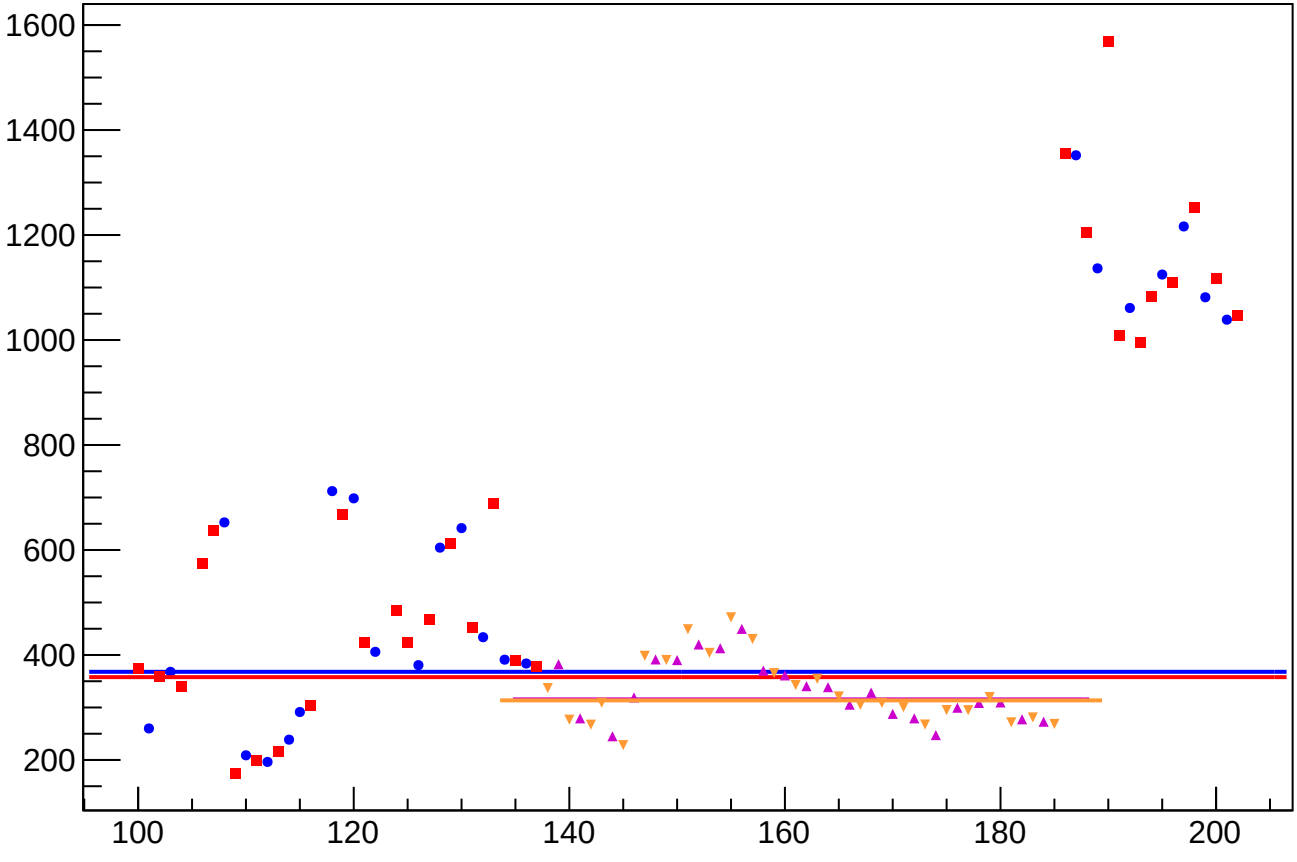
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -259.893+/-62.648 χ^2/NDF: 85.0/47

All: -182.597+/-44.373 χ^2/NDF: 141.6/99

- sign -104.781+/-62.858 χ^2/NDF: 53.6/51

asym_sam7_dit_correction_rms vs Slug



Right In: 367.943+/-0.088 χ^2/NDF: 6987581.4/22

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

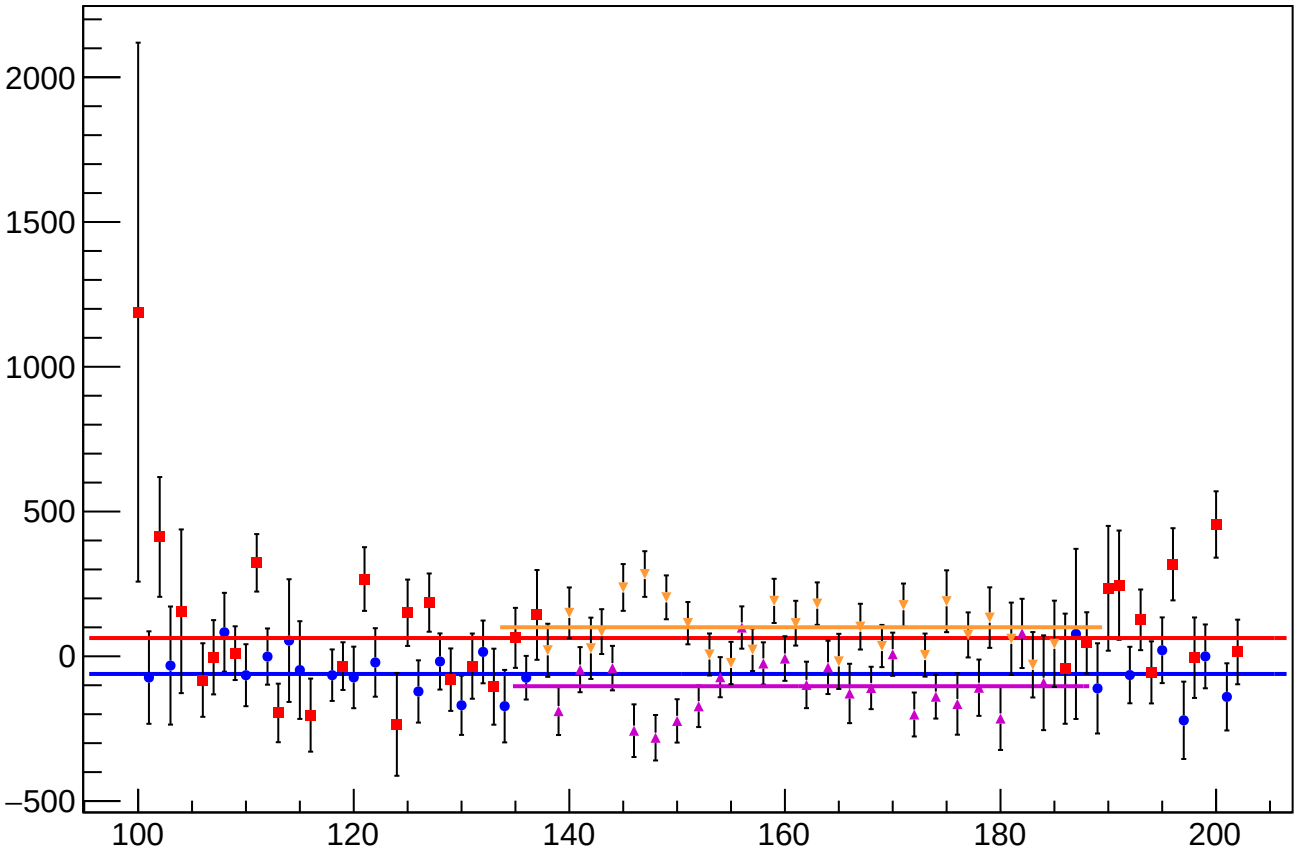
Right Out: 357.808+/-0.082 χ^2/NDF: 9661680.6/28

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 327.334+/-0.044 χ^2/NDF: 8449382.2/47

All: 327.654+/-0.031 χ^2/NDF: 19308760.8/99

- sign 327.976+/-0.044 χ^2/NDF: 10859273.8/51



Right In: -60.969+/-24.141 χ^2/NDF: 7.9/22

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 63.076+/-22.649 χ^2/NDF: 58.1/28

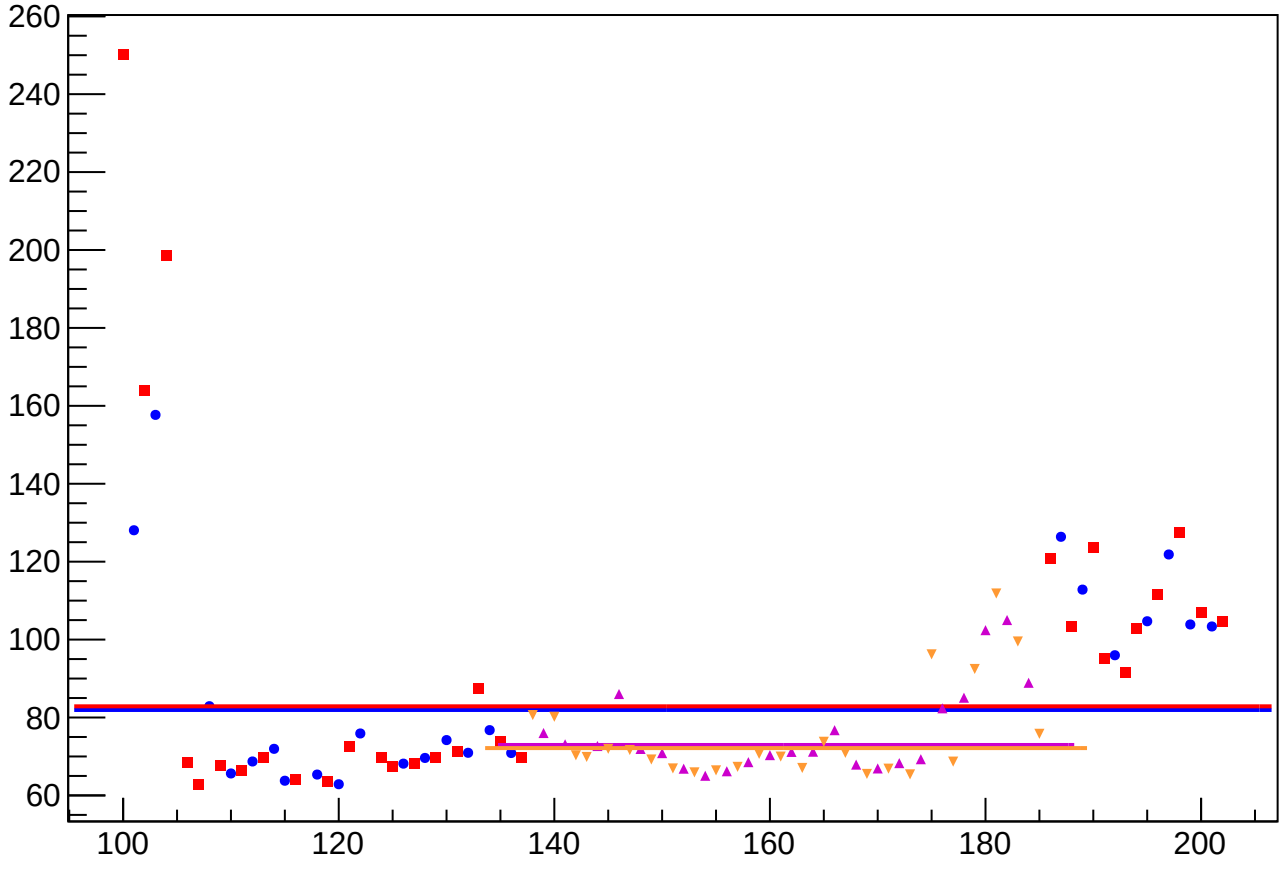
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 48.405+/-13.692 χ^2/NDF: 65.9/47

All: 3.215+/-9.695 χ^2/NDF: 212.7/99

- sign -42.214+/-13.728 χ^2/NDF: 125.0/51

eigen_dit_asym_sam7_rms vs Slug



Right In: 81.935+/-0.017 χ^2/NDF: 1409011.7/22

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

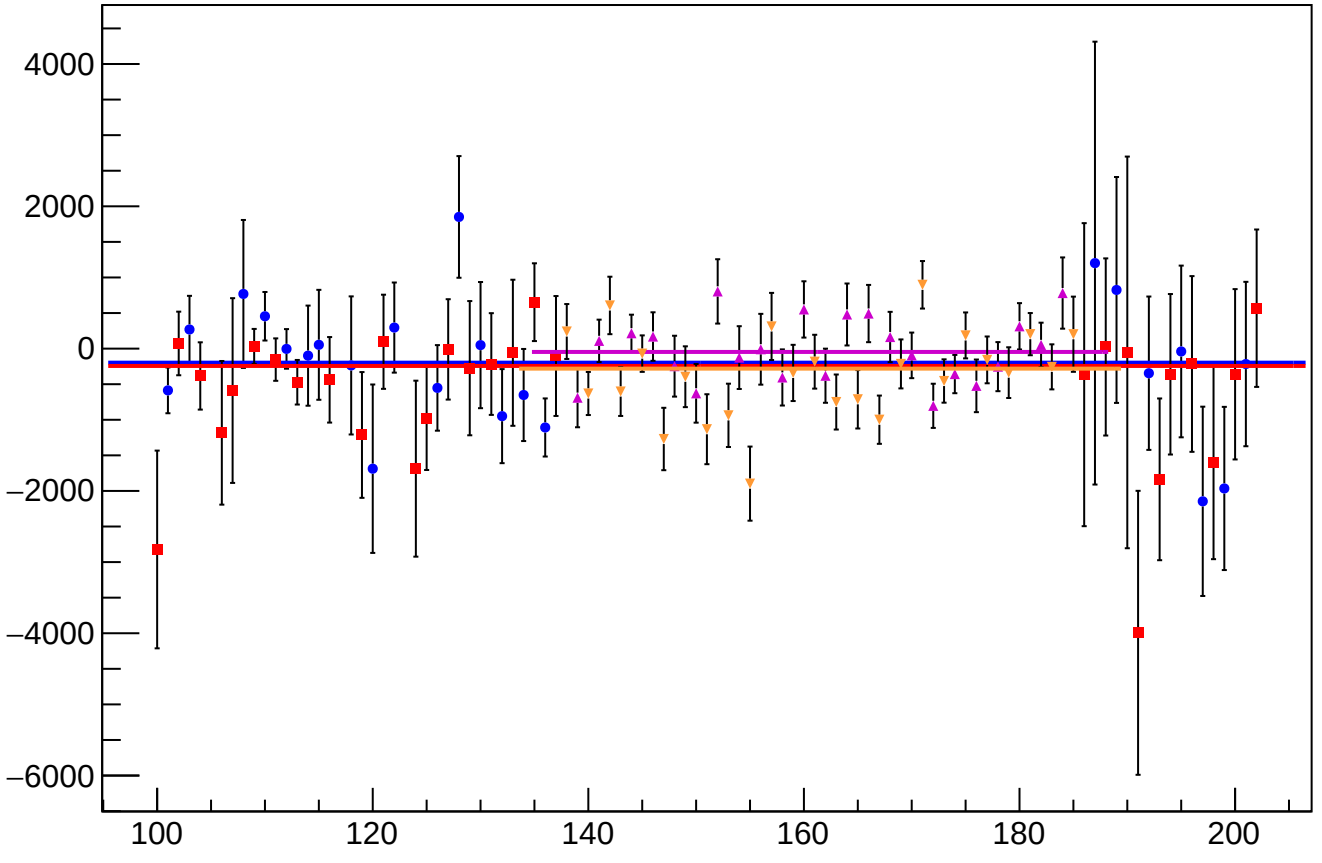
Right Out: 82.871+/-0.016 χ^2/NDF: 2065065.1/28

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 75.298+/-0.010 χ^2/NDF: 2273877.5/47

All: 75.944+/-0.007 χ^2/NDF: 5099735.3/99

- sign 76.594+/-0.010 χ^2/NDF: 2816920.5/51



Right In: -197.330+/-124.280 χ^2/NDF: 27.9/22

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -243.472+/-115.606 χ^2/NDF: 20.8/28

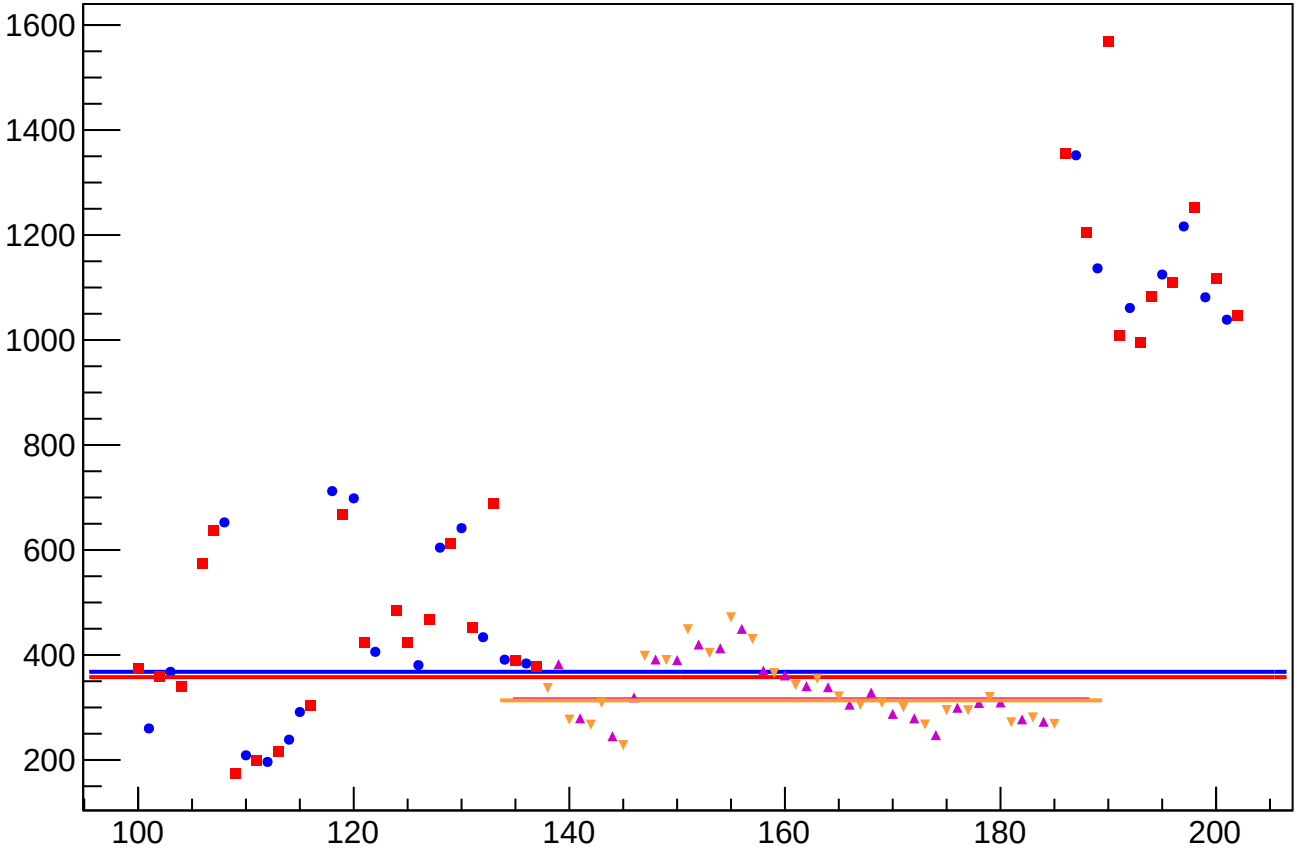
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -259.892+/-62.648 χ^2/NDF: 85.0/47

All: -182.597+/-44.373 χ^2/NDF: 141.6/99

- sign -104.781+/-62.858 χ^2/NDF: 53.6/51

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 367.940+/-0.088 χ^2/NDF: 6987643.2/22

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 357.806+/-0.082 χ^2/NDF: 9661717.1/28

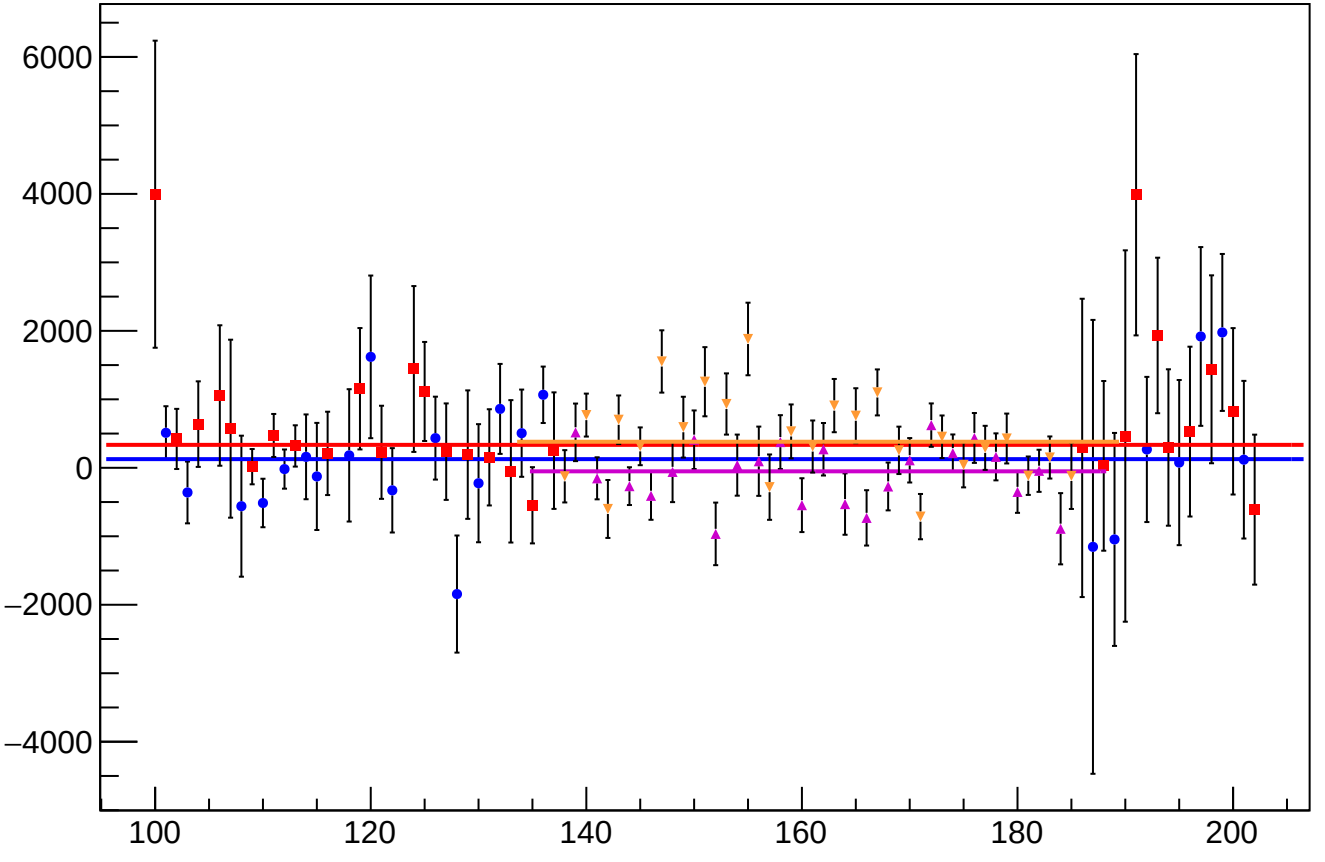
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 327.333+/-0.044 χ^2/NDF: 8449421.3/47

All: 327.654+/-0.031 χ^2/NDF: 19308817.4/99

- sign 327.976+/-0.044 χ^2/NDF: 10859291.2/51

asym_sam7_mean vs Slug



Right In: 126.626+/-127.370 χ^2/NDF: 26.1/22

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 335.108+/-119.019 χ^2/NDF: 17.7/28

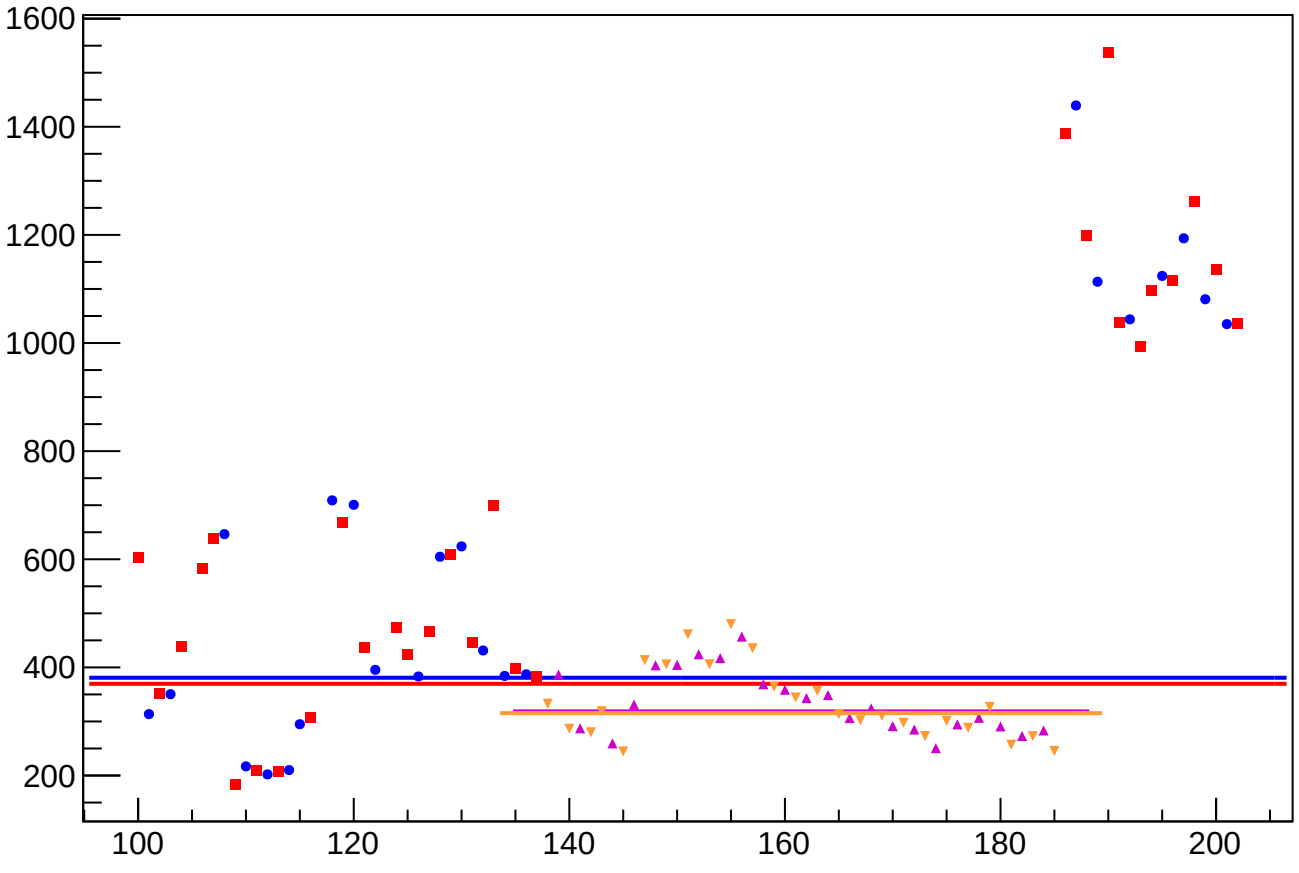
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 317.747+/-63.372 χ^2/NDF: 84.5/47

All: 189.668+/-44.973 χ^2/NDF: 146.1/99

- sign 59.722+/-63.832 χ^2/NDF: 53.4/51

asym_sam7_rms vs Slug



Right In: 380.852+/-0.090 χ^2/NDF: 6630354.6/22

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

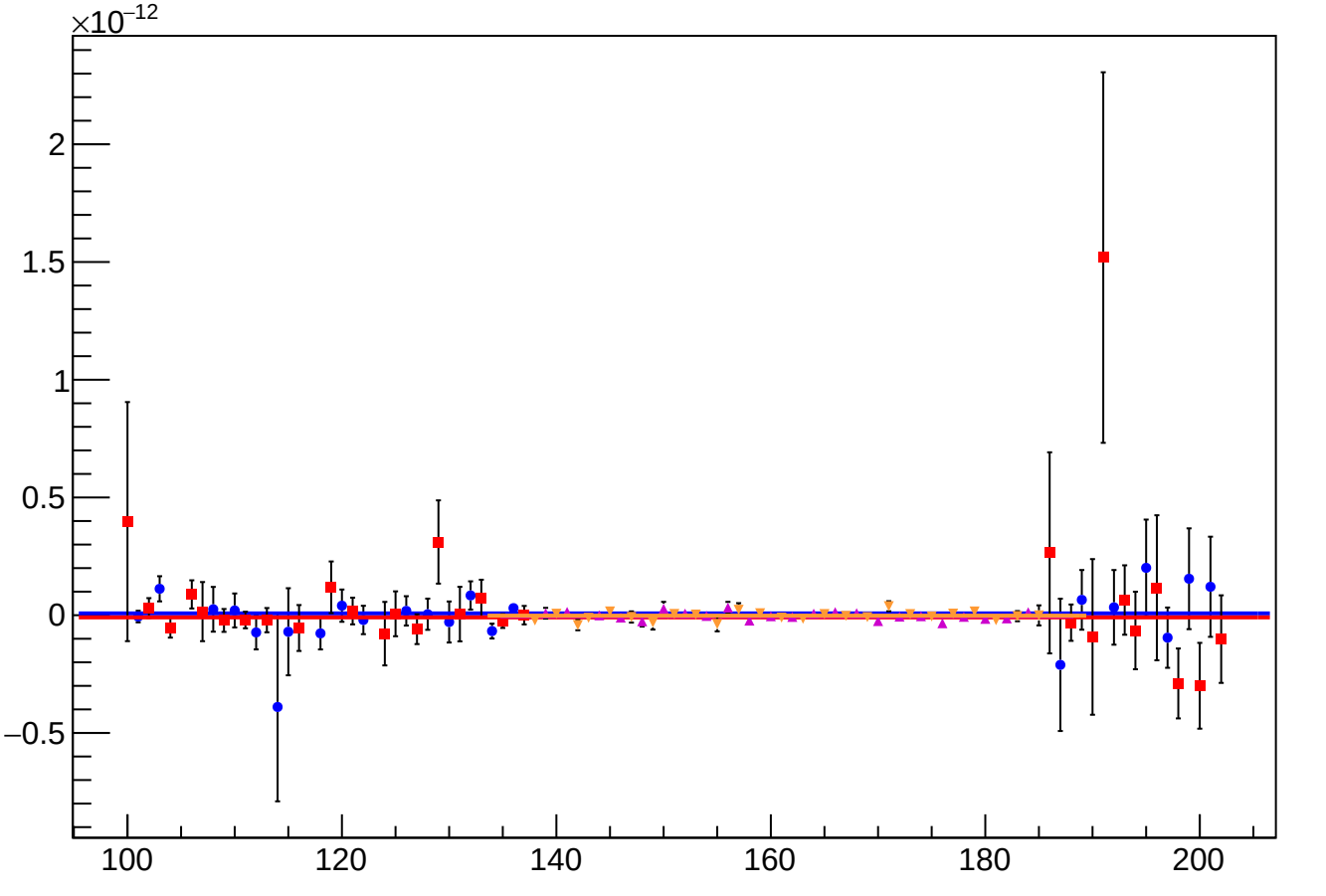
Right Out: 369.661+/-0.084 χ^2/NDF: 9490410.4/28

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 331.599+/-0.045 χ^2/NDF: 8237904.4/47

All: 332.468+/-0.032 χ^2/NDF: 18981997.5/99

- sign 333.350+/-0.045 χ^2/NDF: 10743335.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

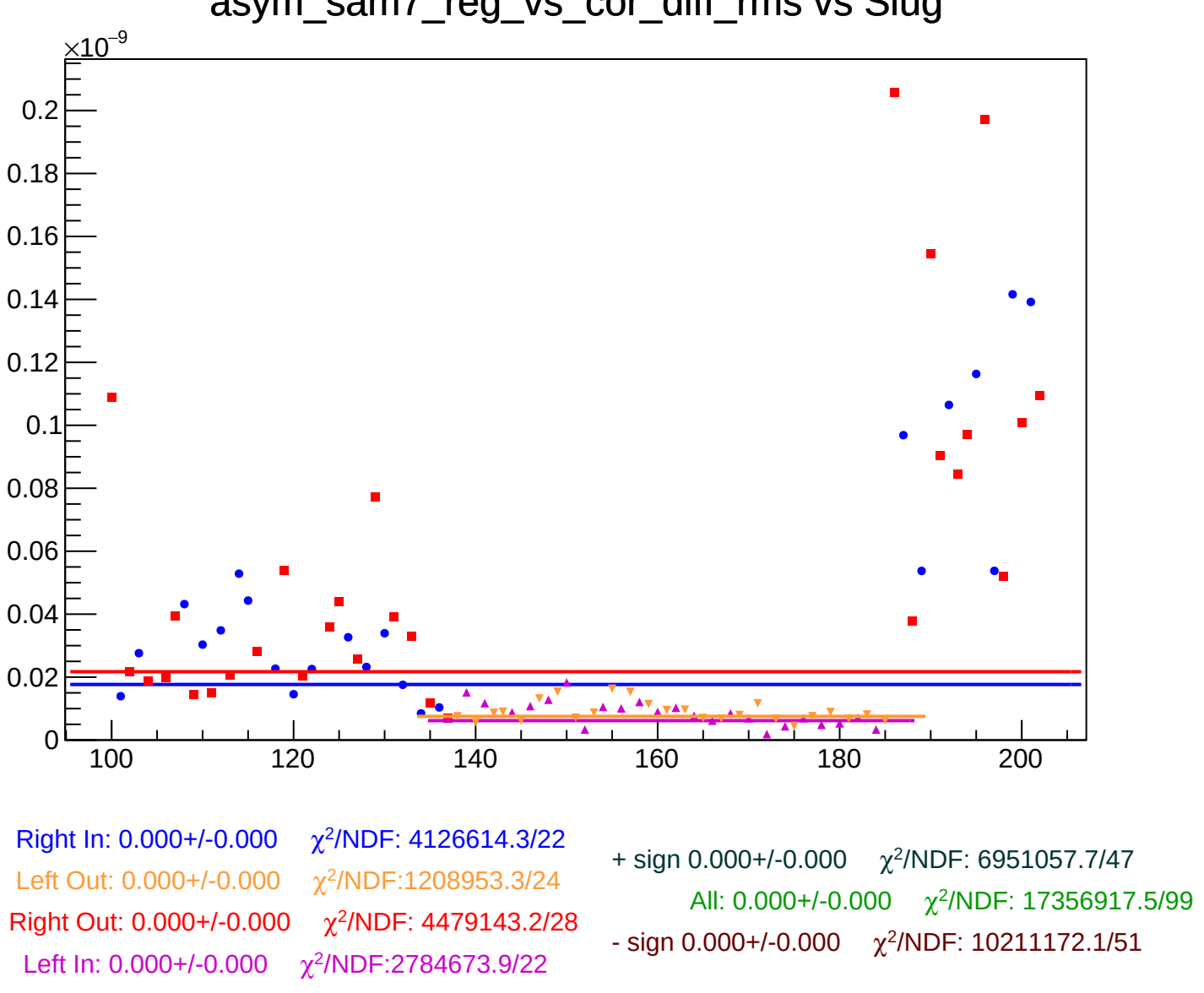
Right Out: -0.000+/-0.000 χ^2/NDF: 24.1/28

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

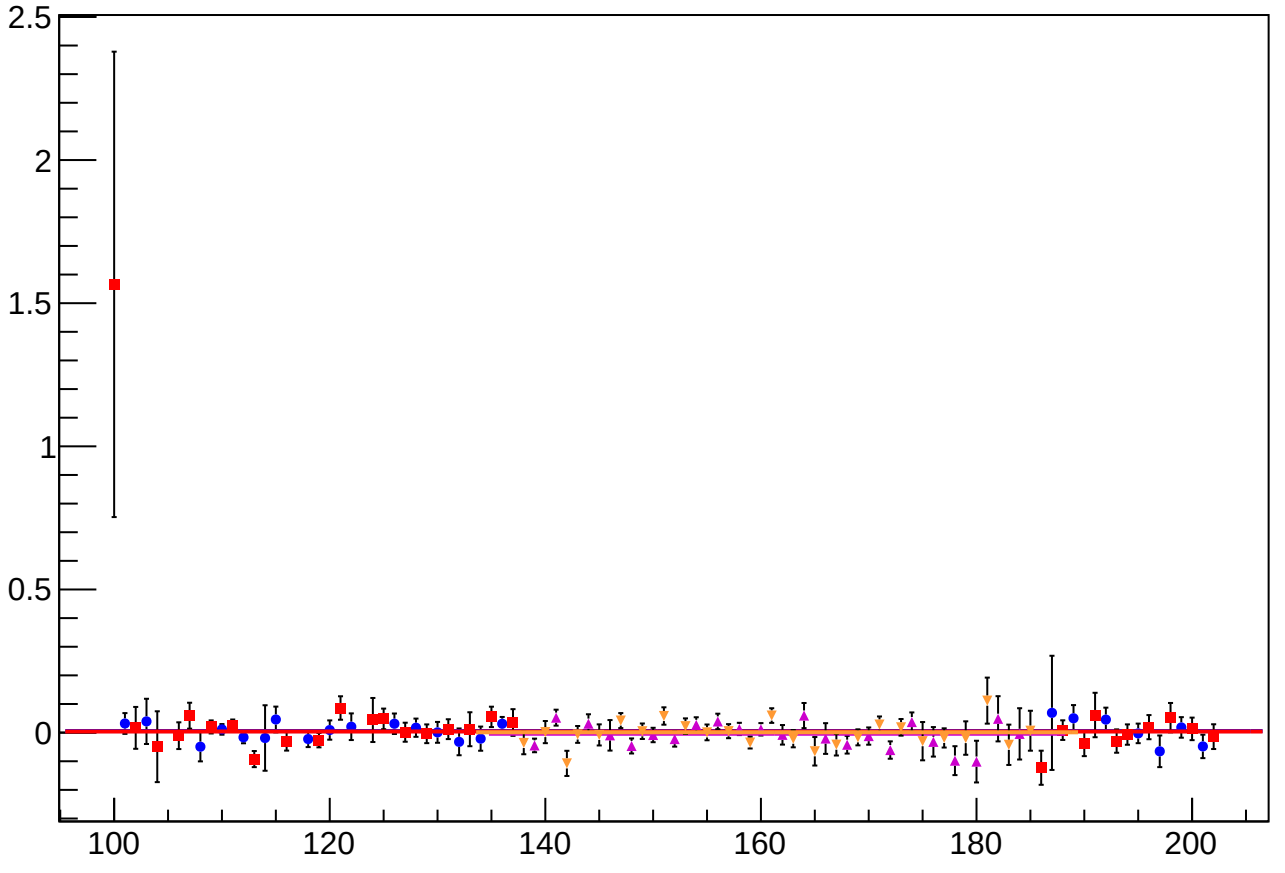
+ sign -0.000+/-0.000 χ^2/NDF: 40.6/47

All: -0.000+/-0.000 χ^2/NDF: 83.2/99

- sign -0.000+/-0.000 χ^2/NDF: 41.9/51


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4126614.3/22
Left Out: 0.000+/-0.000 χ²/NDF:1208953.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 4479143.2/28
Left In: 0.000+/-0.000 χ²/NDF:2784673.9/22
+ sign 0.000+/-0.000 χ²/NDF: 6951057.7/47
All: 0.000+/-0.000 χ²/NDF: 17356917.5/99
- sign 0.000+/-0.000 χ²/NDF: 10211172.1/51

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 13.4/22

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/28

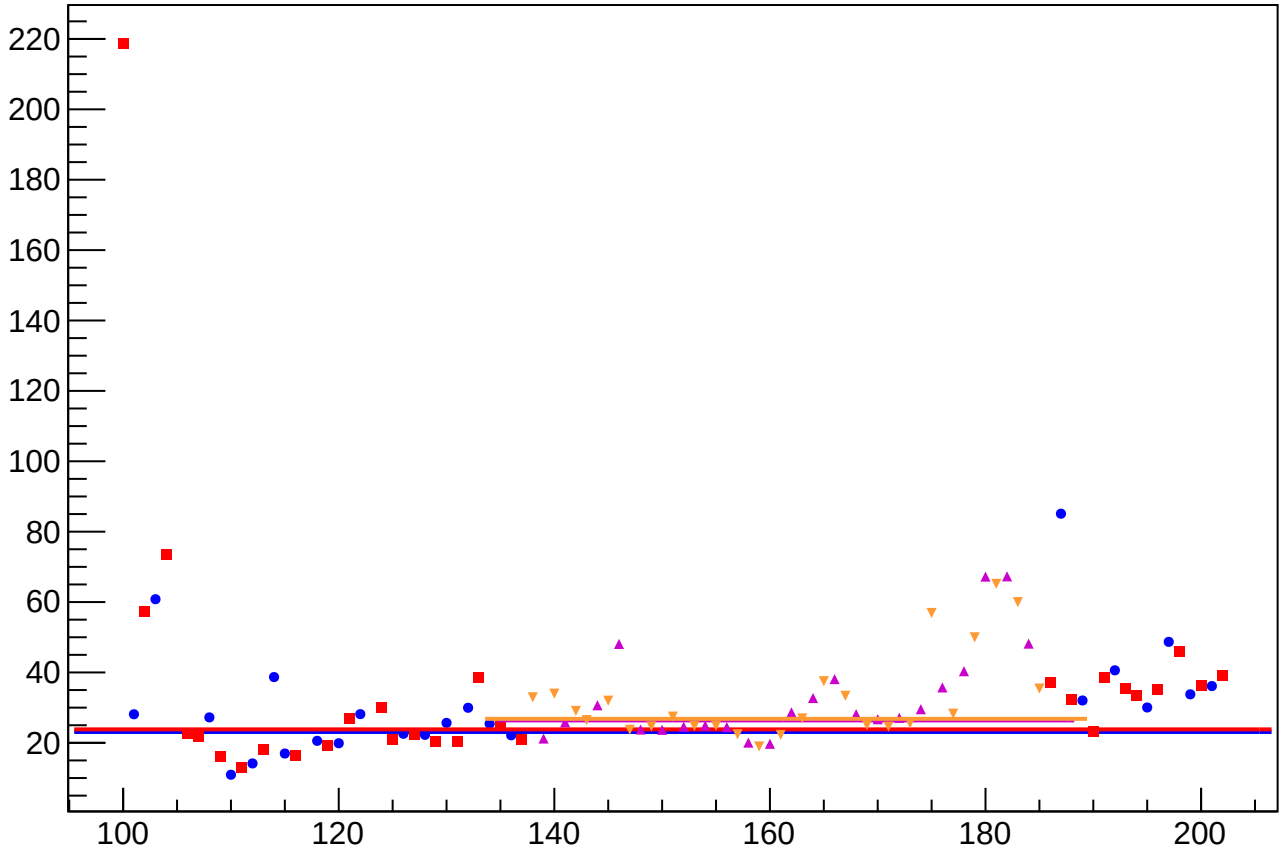
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 43.8/47

All: 0.001+/-0.003 χ^2/NDF: 114.0/99

- sign -0.000+/-0.005 χ^2/NDF: 69.9/51

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 23.086+/-0.005 χ^2/NDF: 3441041.1/22

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.823+/-0.005 χ^2/NDF: 3750396.2/28

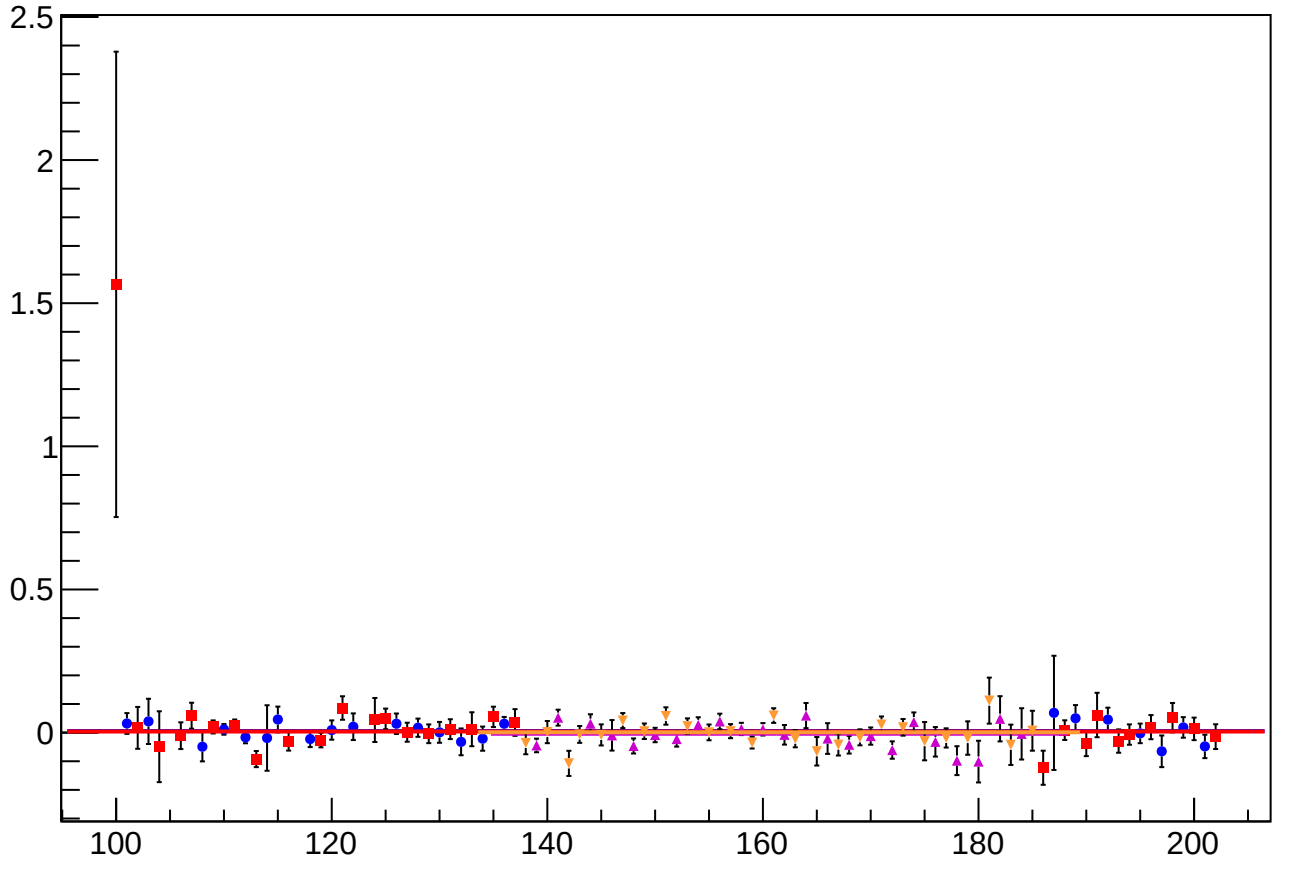
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.178+/-0.003 χ^2/NDF: 6201591.4/47

All: 25.173+/-0.002 χ^2/NDF: 12659901.2/99

- sign 25.168+/-0.003 χ^2/NDF: 6458305.1/51

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 13.4/22

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/28

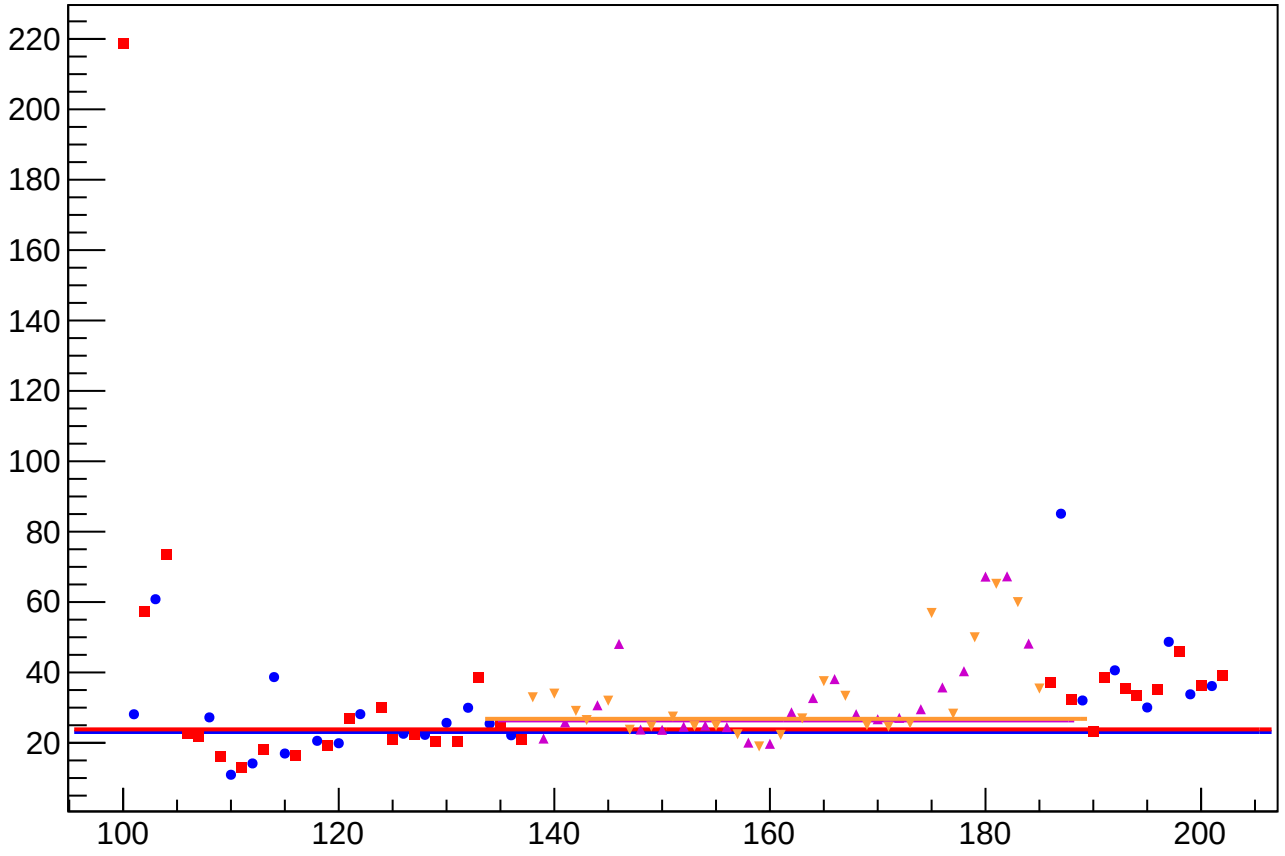
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 43.8/47

All: 0.001+/-0.003 χ^2/NDF: 114.0/99

- sign -0.000+/-0.005 χ^2/NDF: 69.9/51

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.086+/-0.005 χ^2/NDF: 3441041.1/22

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

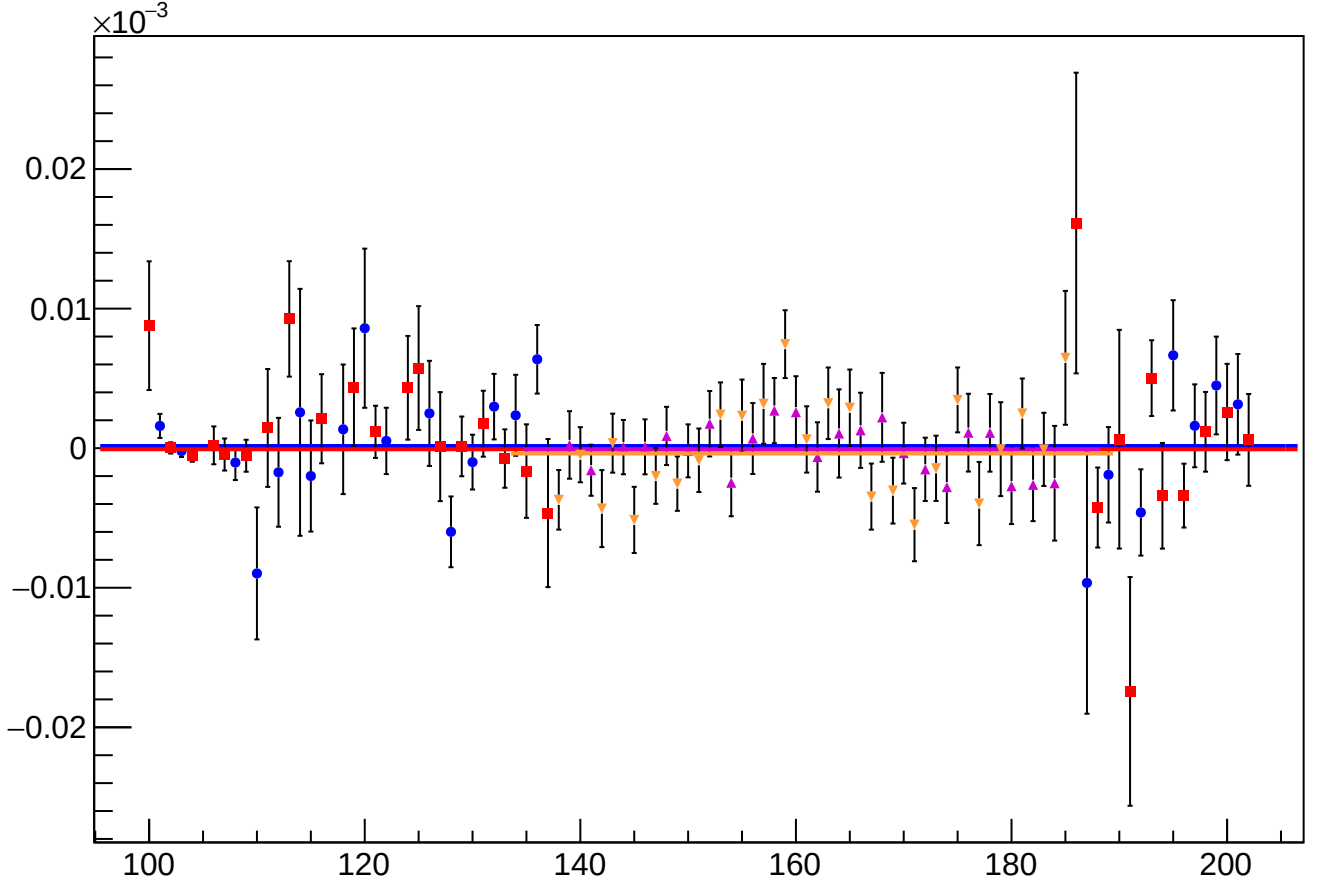
Right Out: 23.823+/-0.005 χ^2/NDF: 3750396.2/28

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.178+/-0.003 χ^2/NDF: 6201591.4/47

All: 25.173+/-0.002 χ^2/NDF: 12659901.2/99

- sign 25.168+/-0.003 χ^2/NDF: 6458305.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 35.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/28

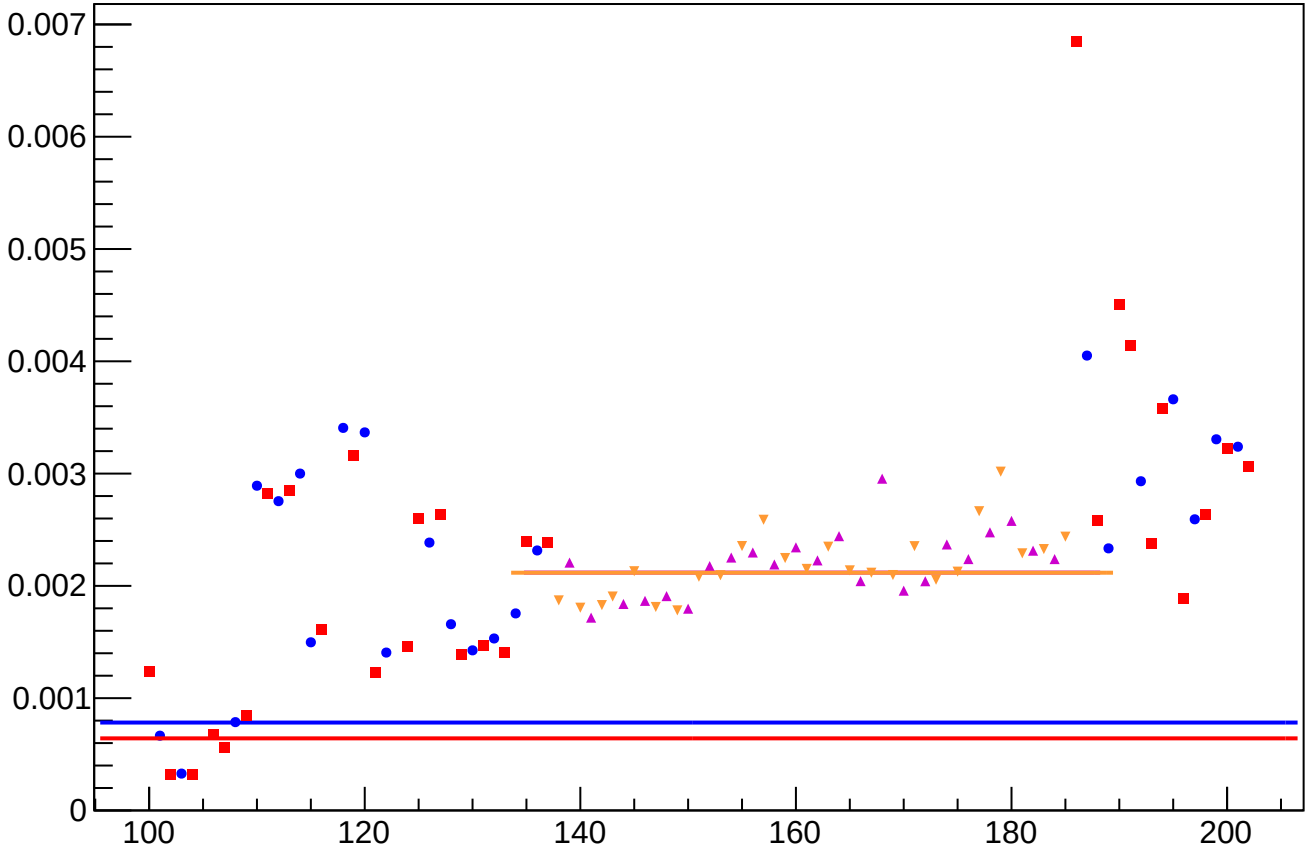
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.0/47

All: -0.000+/-0.000 χ^2/NDF: 122.5/99

- sign -0.000+/-0.000 χ^2/NDF: 43.4/51

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12057557.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15319805.0/28

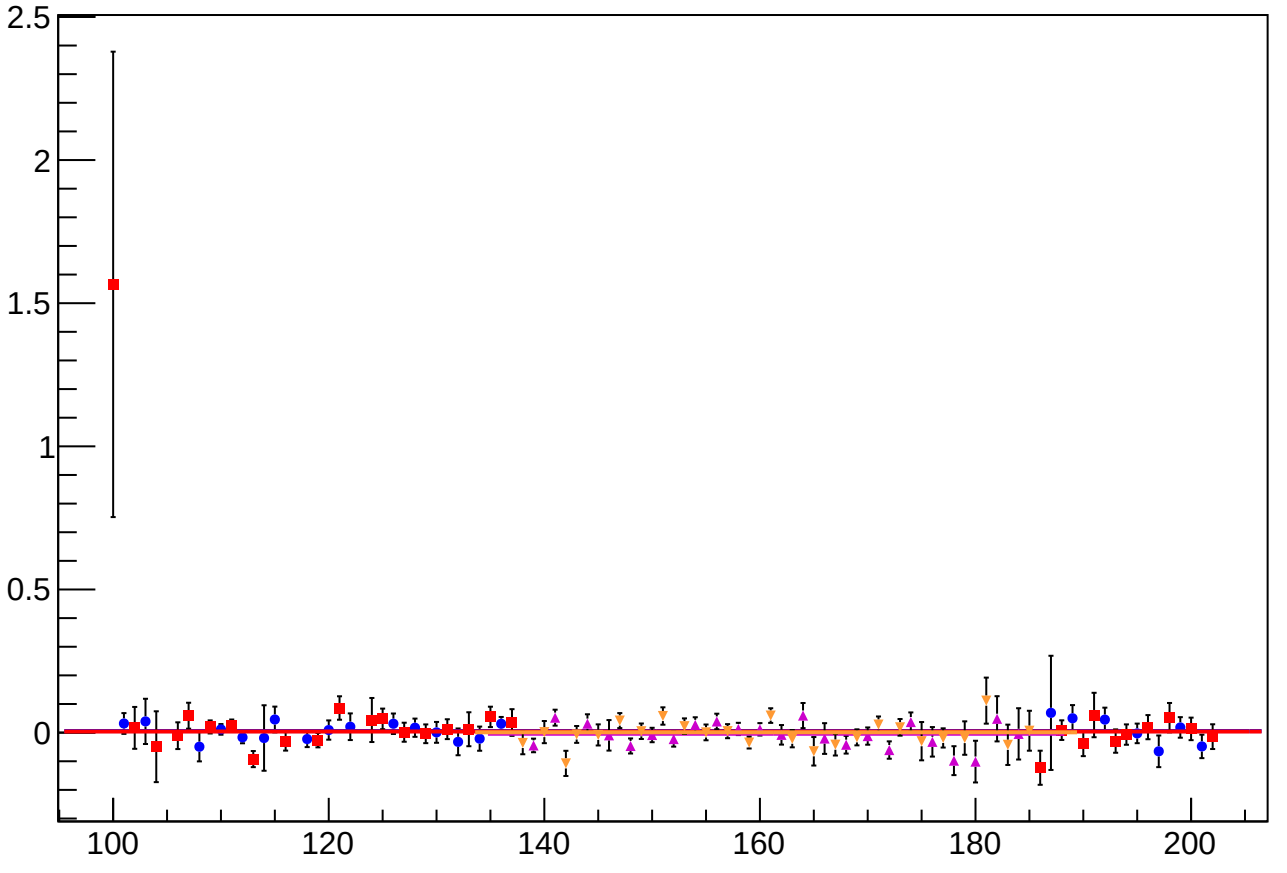
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 23063765.8/47

All: 0.001+/-0.000 χ^2/NDF: 53851669.4/99

- sign 0.001+/-0.000 χ^2/NDF: 29777693.8/51

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 13.4/22

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/28

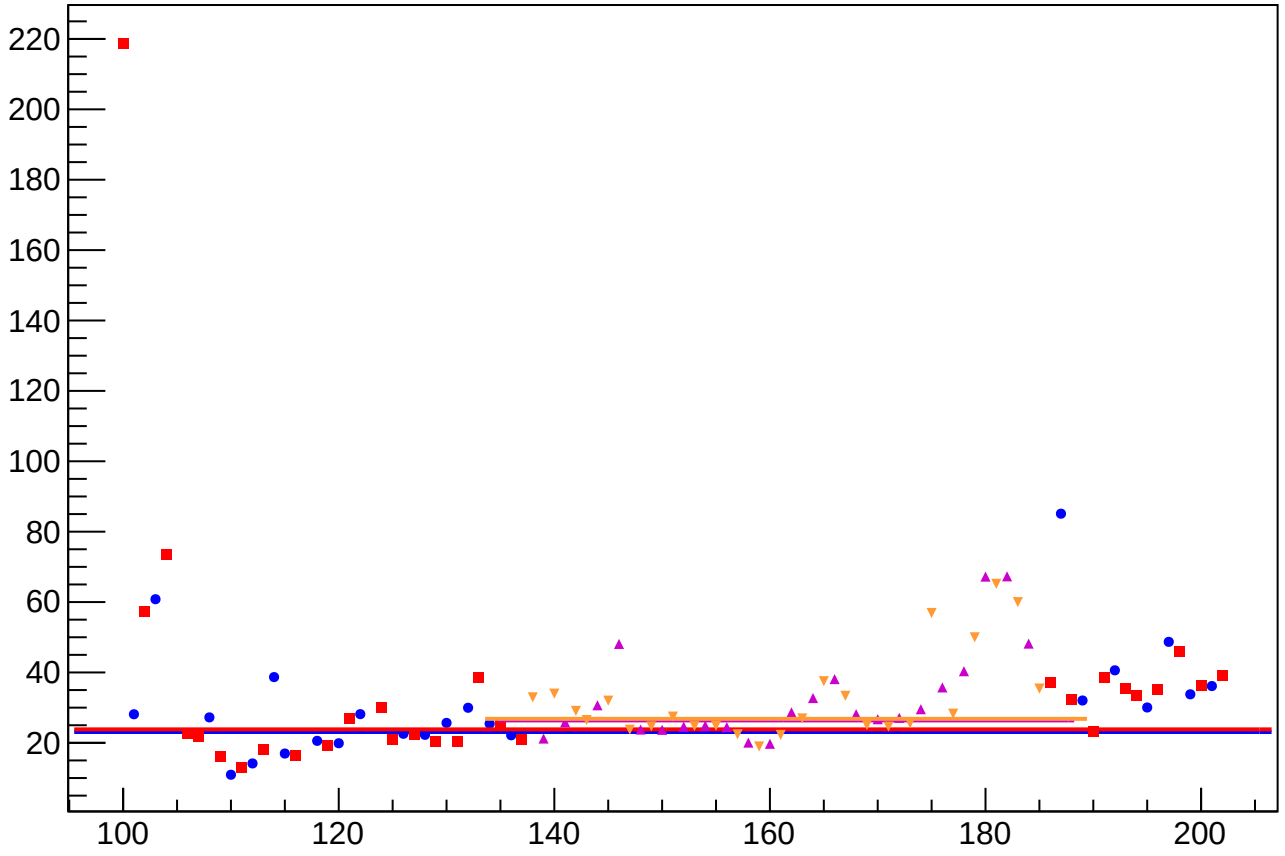
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 43.8/47

All: 0.001+/-0.003 χ^2/NDF: 114.0/99

- sign -0.000+/-0.005 χ^2/NDF: 69.9/51

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.087+/-0.005 χ^2/NDF: 3440783.9/22

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

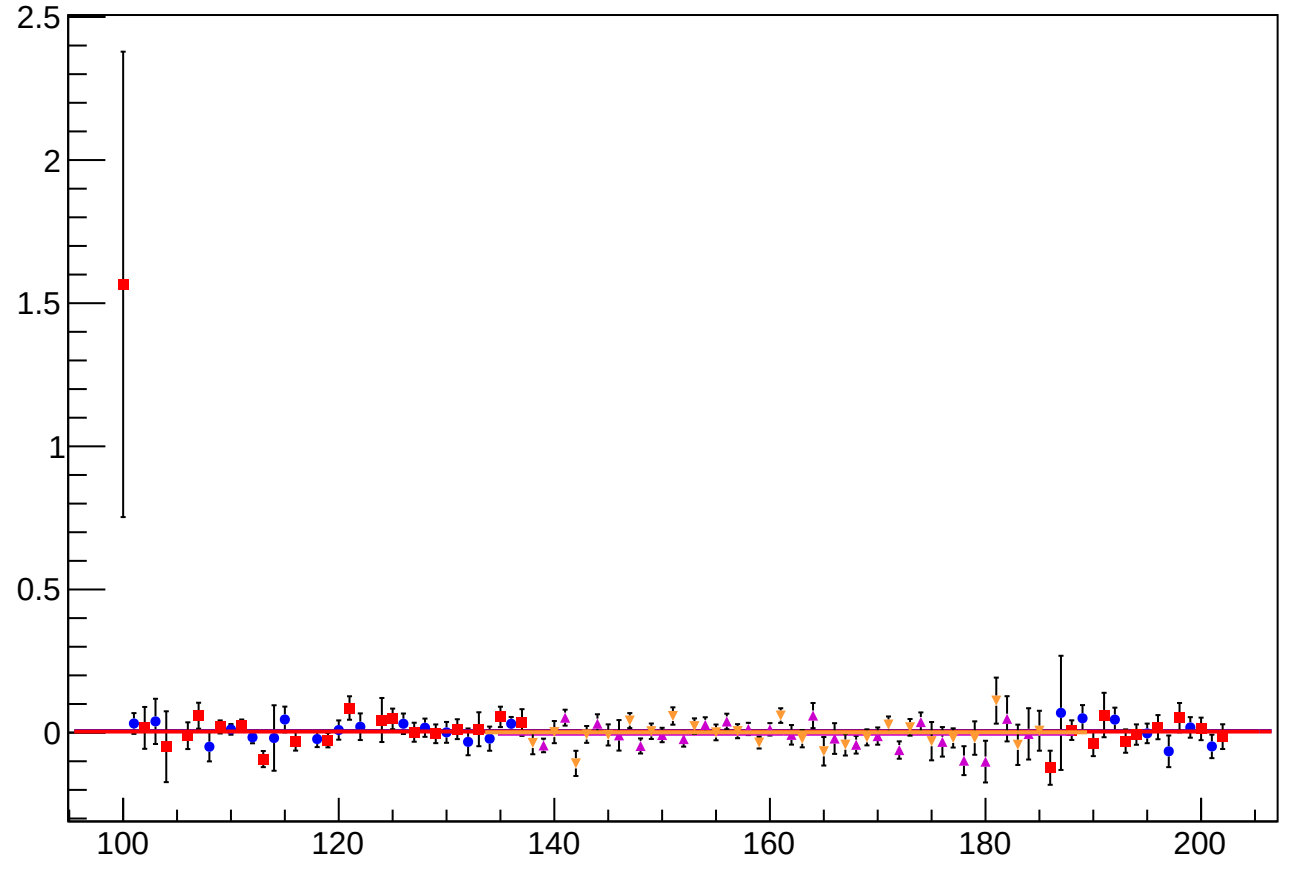
Right Out: 23.823+/-0.005 χ^2/NDF: 3750169.9/28

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.179+/-0.003 χ^2/NDF: 6201305.2/47

All: 25.173+/-0.002 χ^2/NDF: 12659458.2/99

- sign 25.168+/-0.003 χ^2/NDF: 6458148.2/51



Right In: 0.005+/-0.007 χ^2/NDF: 13.4/22

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/28

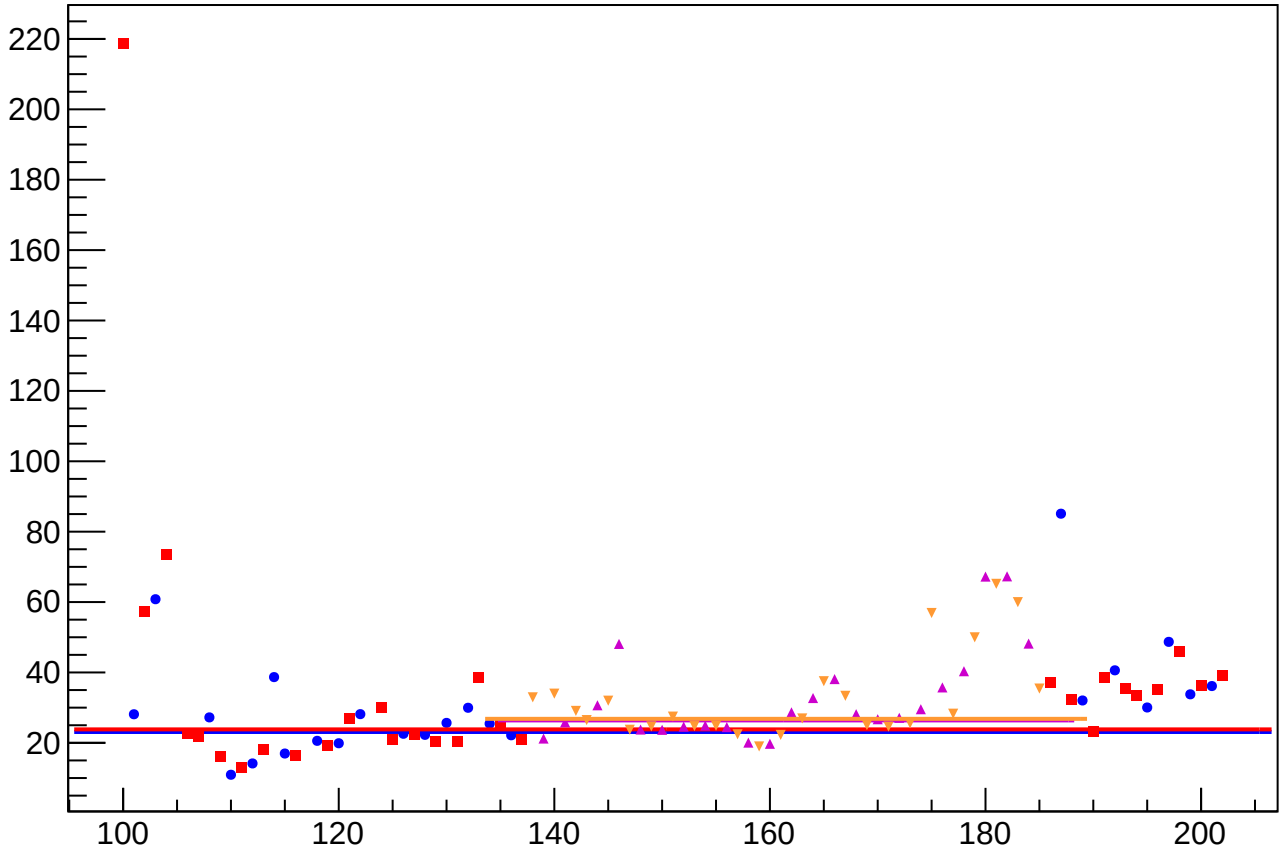
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 43.8/47

All: 0.001+/-0.003 χ^2/NDF: 114.0/99

- sign -0.000+/-0.005 χ^2/NDF: 69.9/51

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.087+/-0.005 χ^2/NDF: 3440783.9/22

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

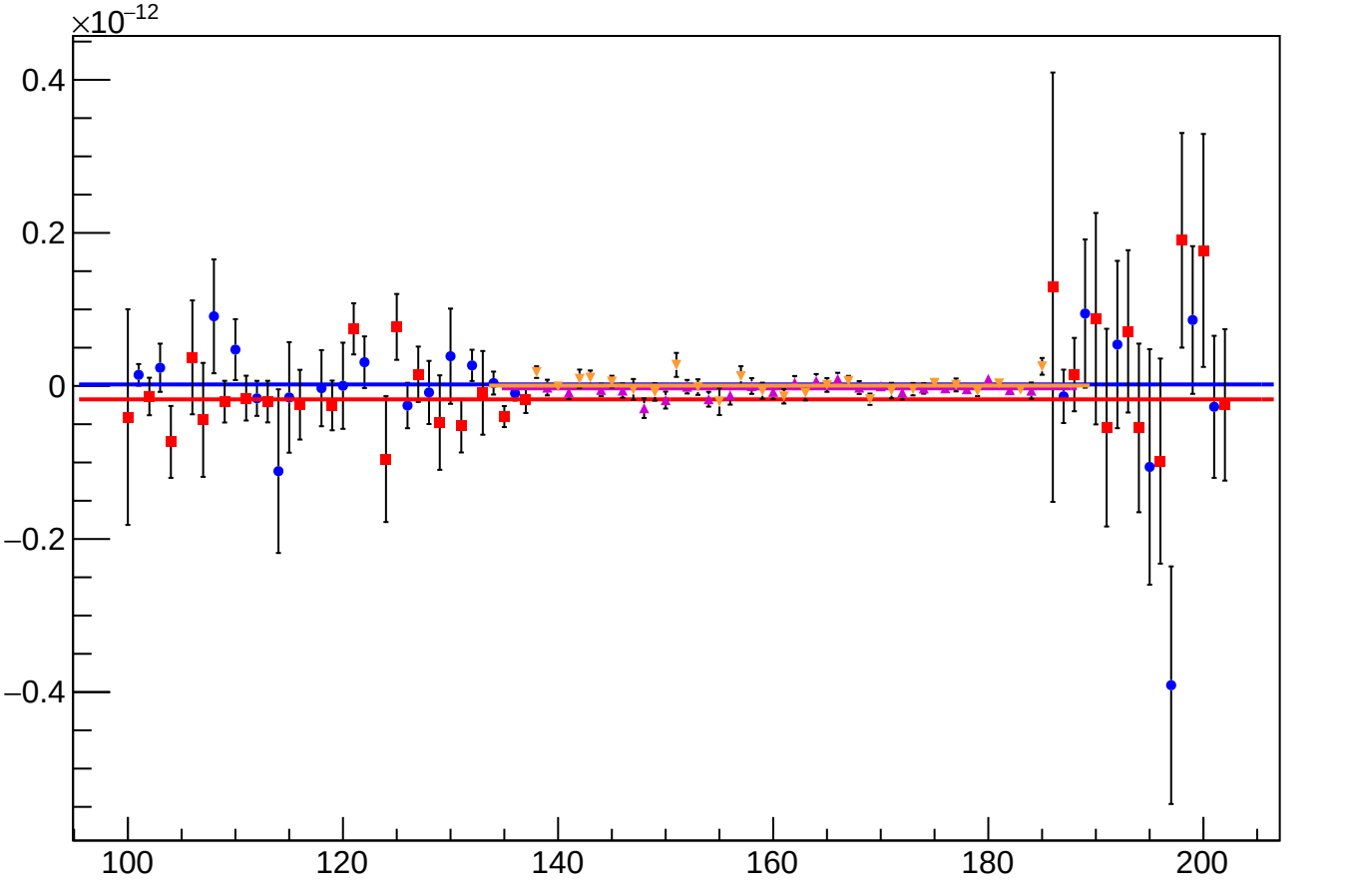
Right Out: 23.823+/-0.005 χ^2/NDF: 3750169.9/28

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.179+/-0.003 χ^2/NDF: 6201305.2/47

All: 25.173+/-0.002 χ^2/NDF: 12659458.2/99

- sign 25.168+/-0.003 χ^2/NDF: 6458148.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

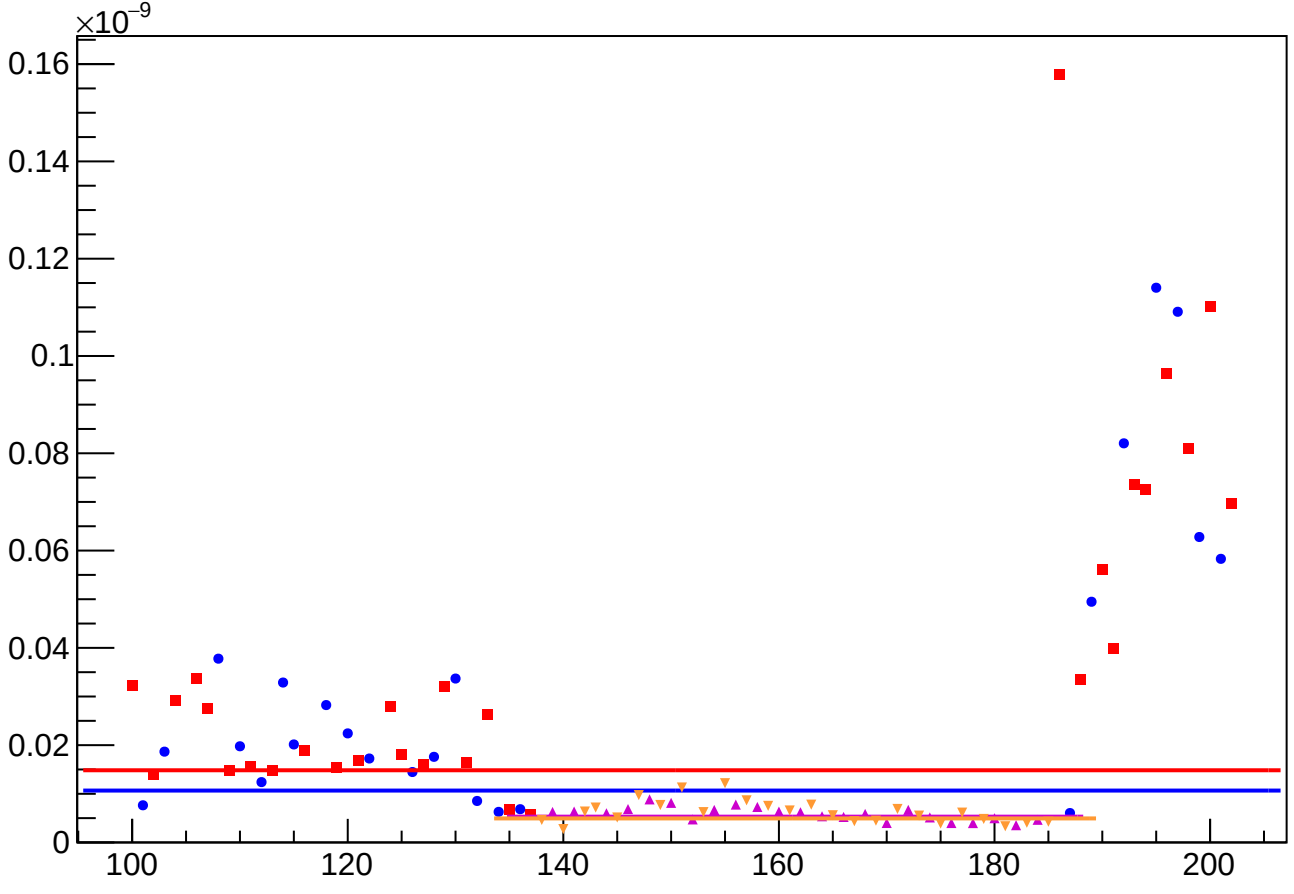
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/28

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.6/47

All: -0.000+/-0.000 χ^2/NDF: 106.7/99

- sign -0.000+/-0.000 χ^2/NDF: 49.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 6045949.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6793327.2/28

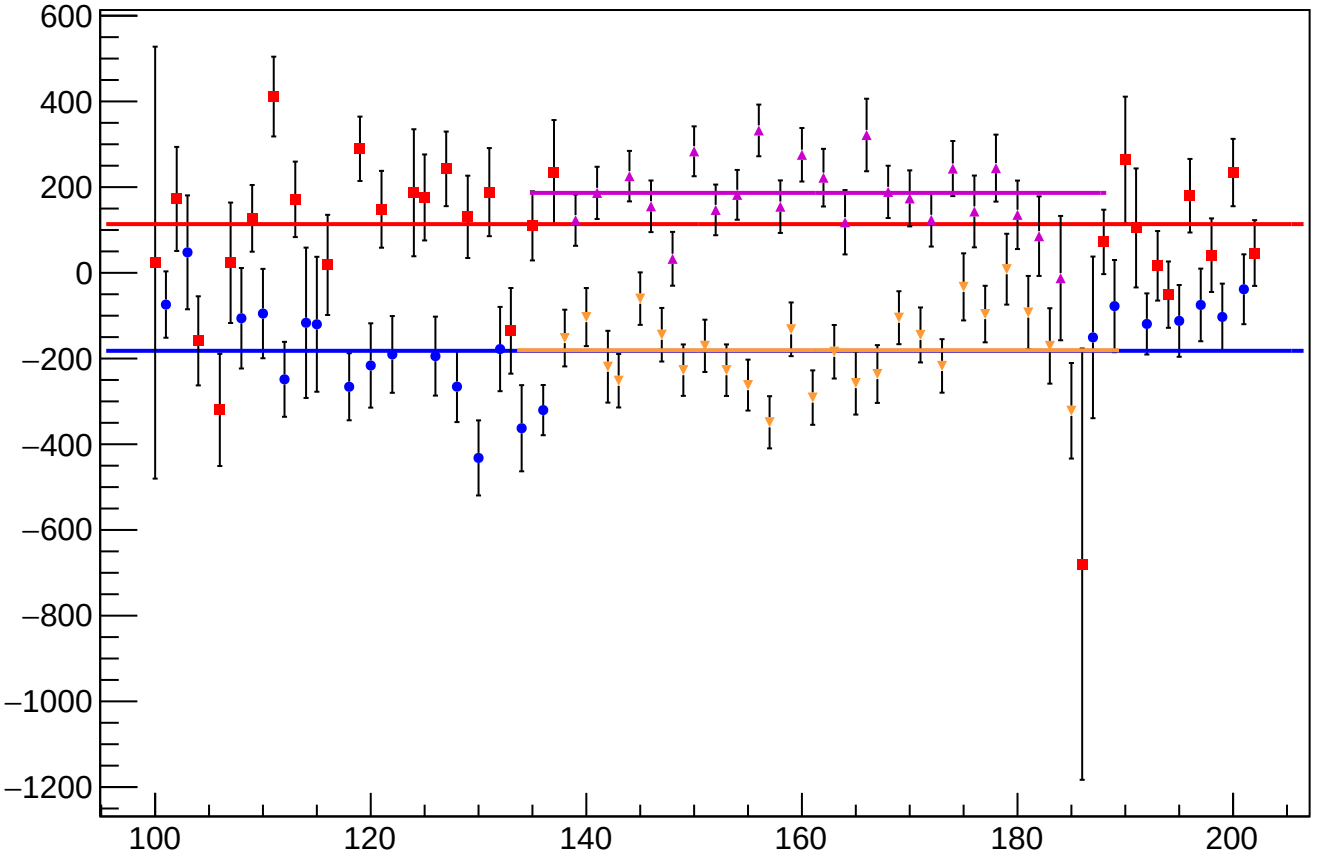
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10736865.0/47

All: 0.000+/-0.000 χ^2/NDF: 22487079.7/99

- sign 0.000+/-0.000 χ^2/NDF: 11658782.8/51

reg_asym_sam8_mean vs Slug



Right In: -181.979+/-18.966 χ^2/NDF: 34.4/22

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 113.688+/-18.077 χ^2/NDF: 60.3/28

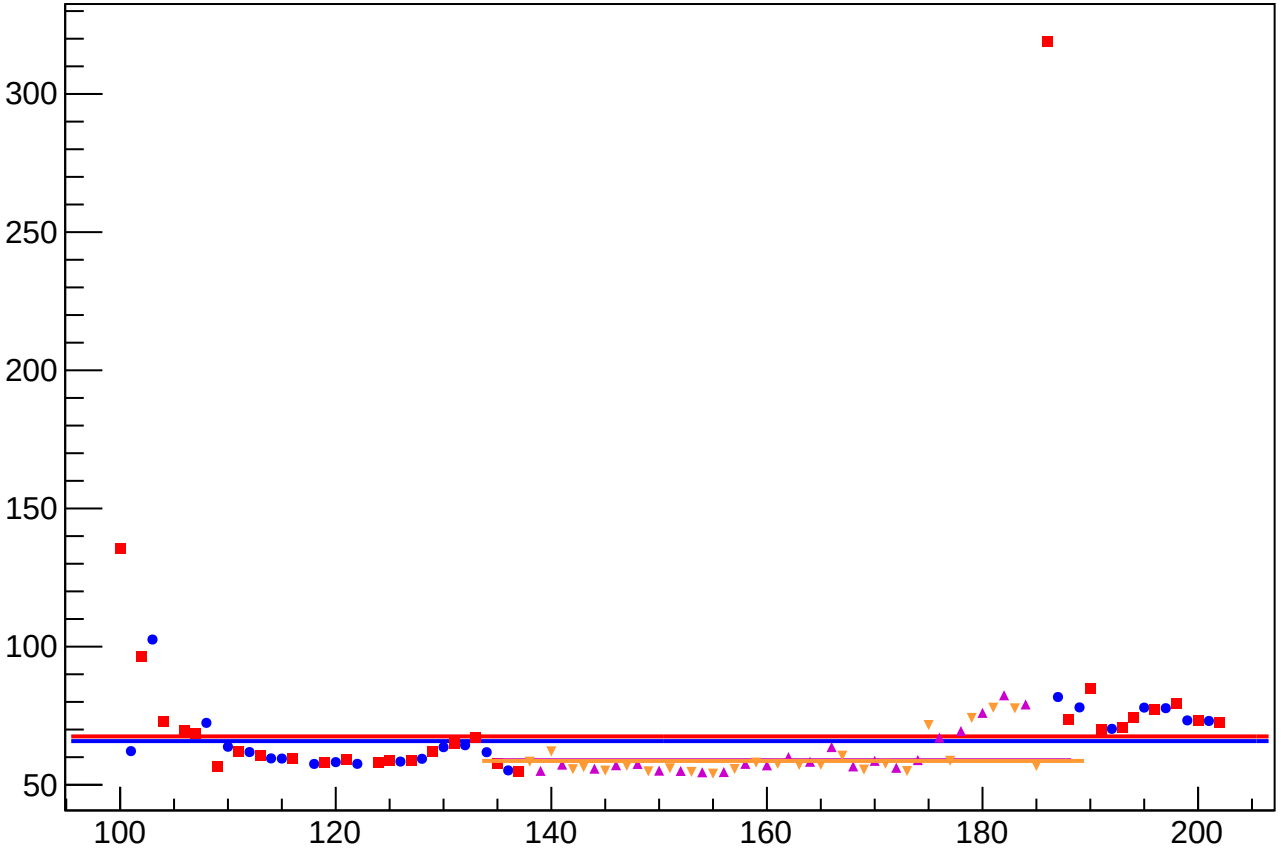
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -181.117+/-10.954 χ^2/NDF: 73.0/47

All: -11.460+/-7.762 χ^2/NDF: 654.2/99

- sign 159.586+/-10.999 χ^2/NDF: 99.5/51

reg_asym_sam8_rms vs Slug



Right In: 65.815+/-0.013 χ^2/NDF: 484602.4/22

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.513+/-0.013 χ^2/NDF: 1018374.2/28

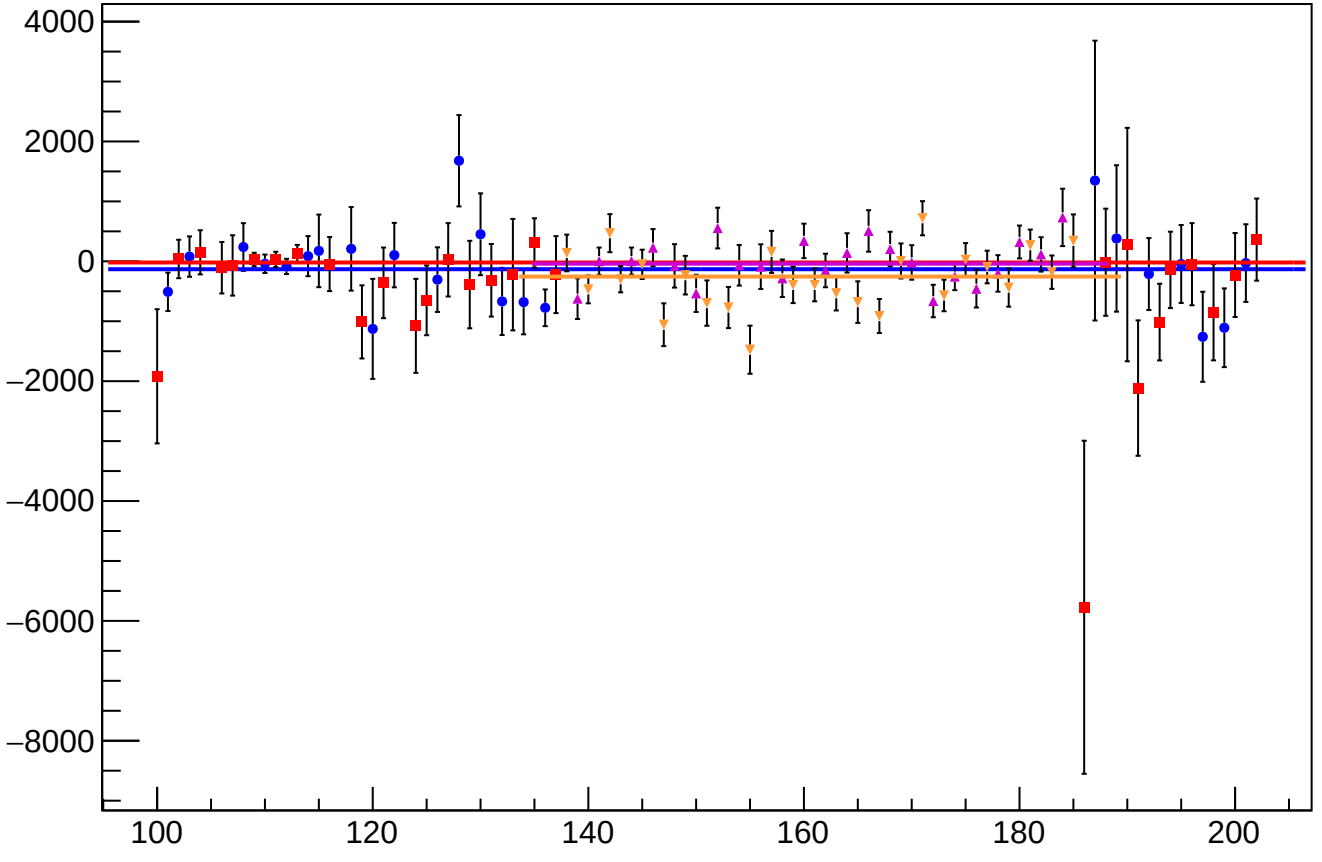
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.036+/-0.008 χ^2/NDF: 1069027.8/47

All: 61.562+/-0.005 χ^2/NDF: 2769034.7/99

- sign 62.093+/-0.008 χ^2/NDF: 1690741.0/51

asym_sam8_reg_correction_mean vs Slug



Right In: -131.738+/-73.595 χ^2/NDF: 23.6/22

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -19.591+/-62.037 χ^2/NDF: 23.5/28

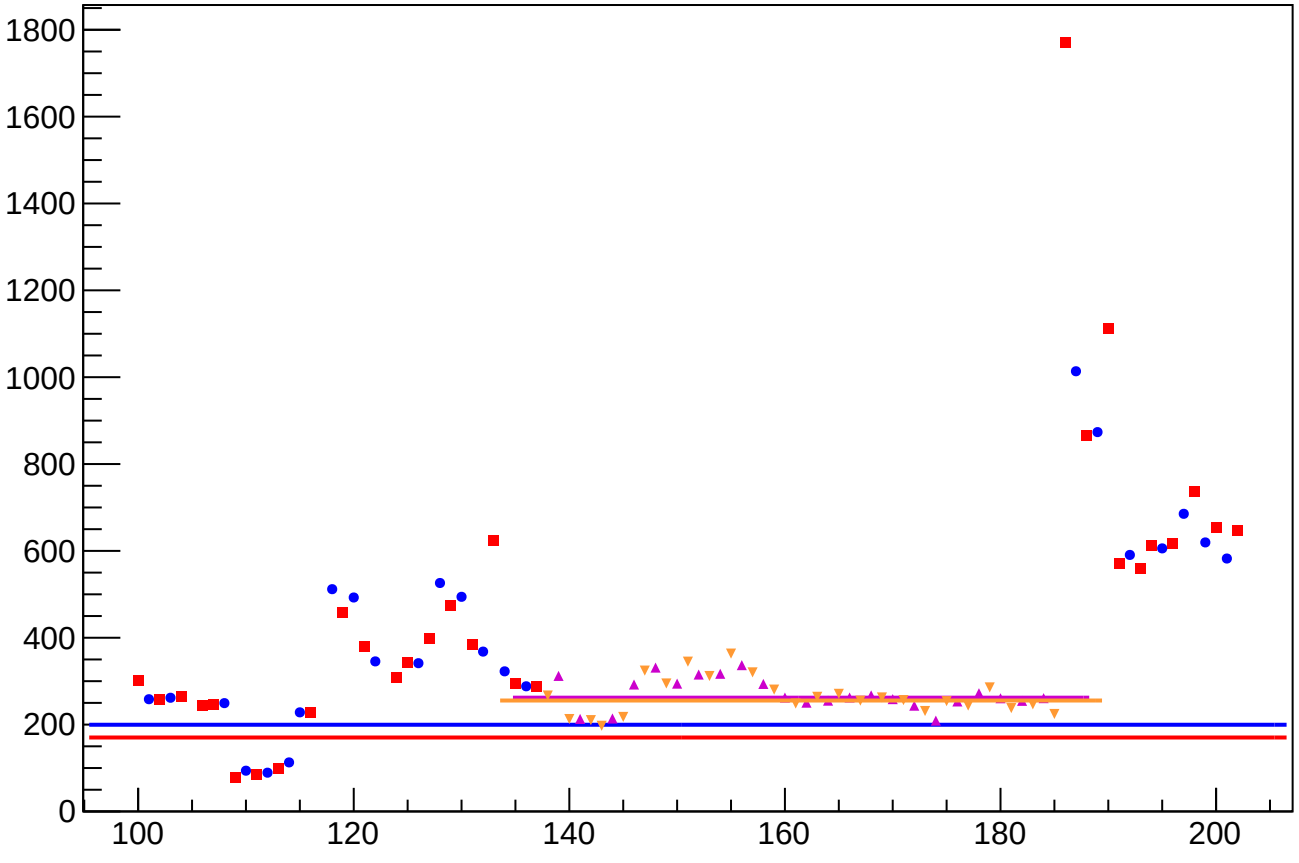
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -206.670+/-45.975 χ^2/NDF: 83.0/47

All: -113.764+/-31.717 χ^2/NDF: 142.6/99

- sign -29.393+/-43.812 χ^2/NDF: 51.8/51

asym_sam8_reg_correction_rms vs Slug



Right In: 199.648+/-0.052 χ^2/NDF: 9713678.8/22

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 170.297+/-0.044 χ^2/NDF: 13682510.7/28

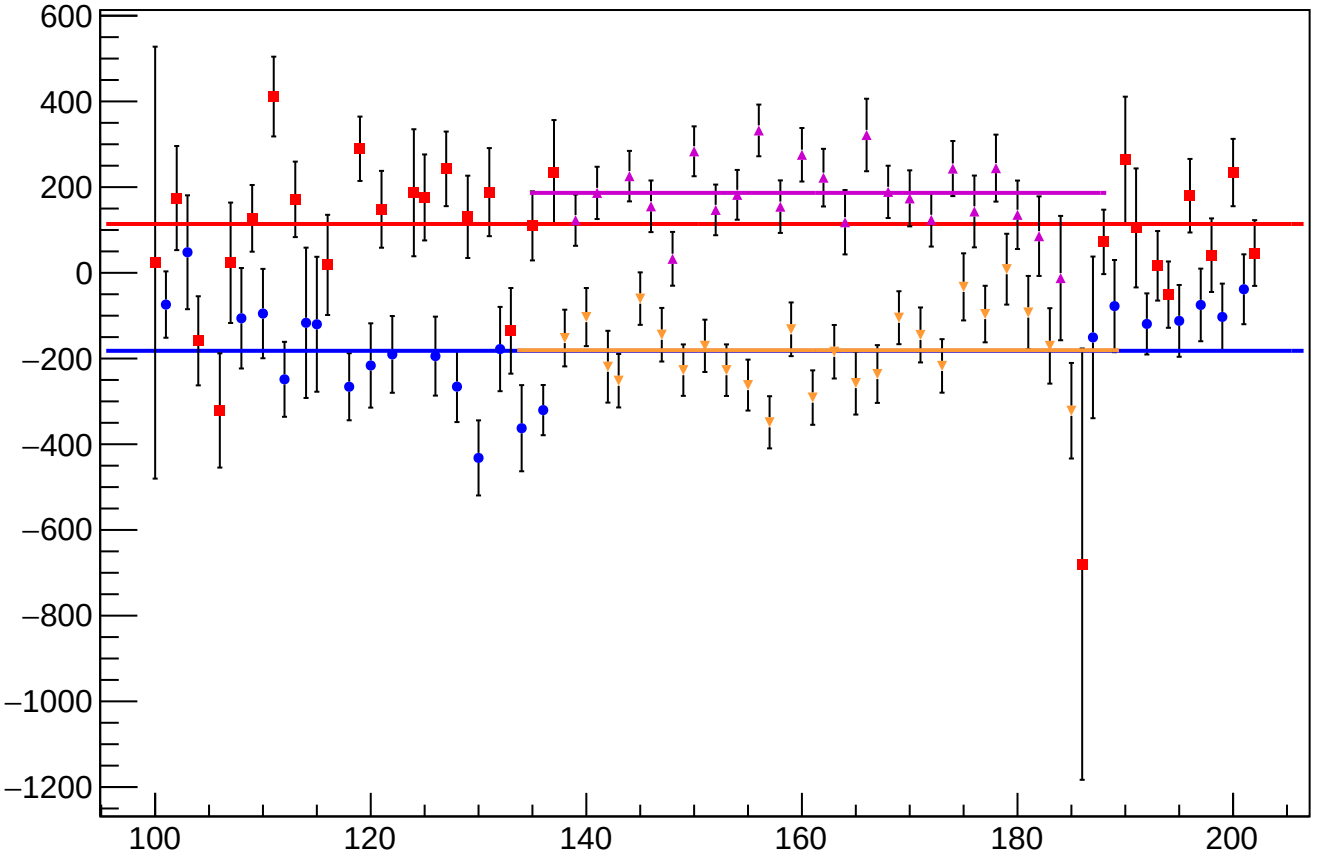
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 233.685+/-0.033 χ^2/NDF: 11279141.1/47

All: 224.556+/-0.022 χ^2/NDF: 27973556.4/99

- sign 216.266+/-0.031 χ^2/NDF: 16543947.8/51

cor_asym_sam8_mean vs Slug



Right In: -181.978+/-18.966 χ^2/NDF: 34.4/22

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 114.006+/-18.083 χ^2/NDF: 60.0/28

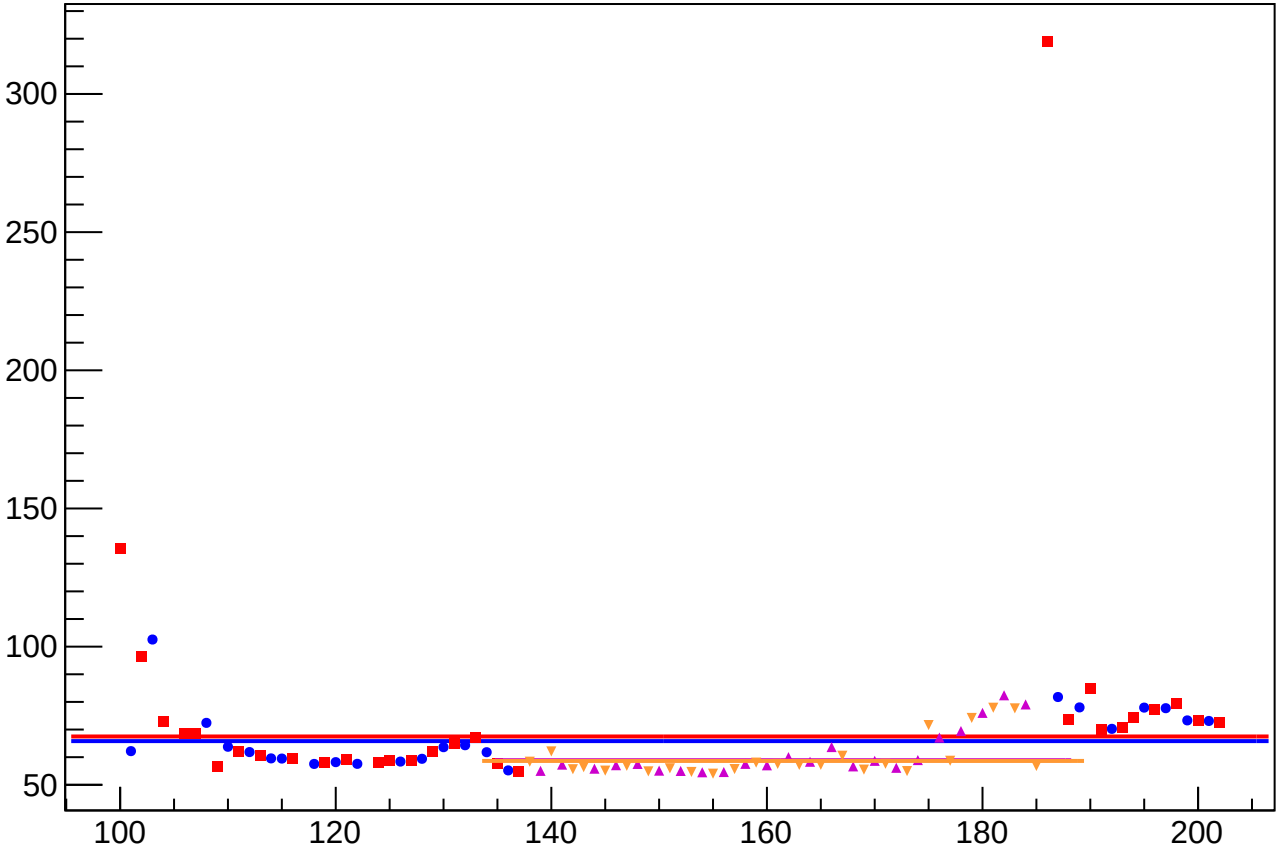
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

\+ sign -181.113+/-10.954 χ^2/NDF: 73.0/47

All: -11.415+/-7.762 χ^2/NDF: 654.1/99

\- sign 159.716+/-11.000 χ^2/NDF: 99.1/51

cor_asym_sam8_rms vs Slug



Right In: 65.815+/-0.013 χ^2/NDF: 484604.8/22

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.491+/-0.013 χ^2/NDF: 1018141.2/28

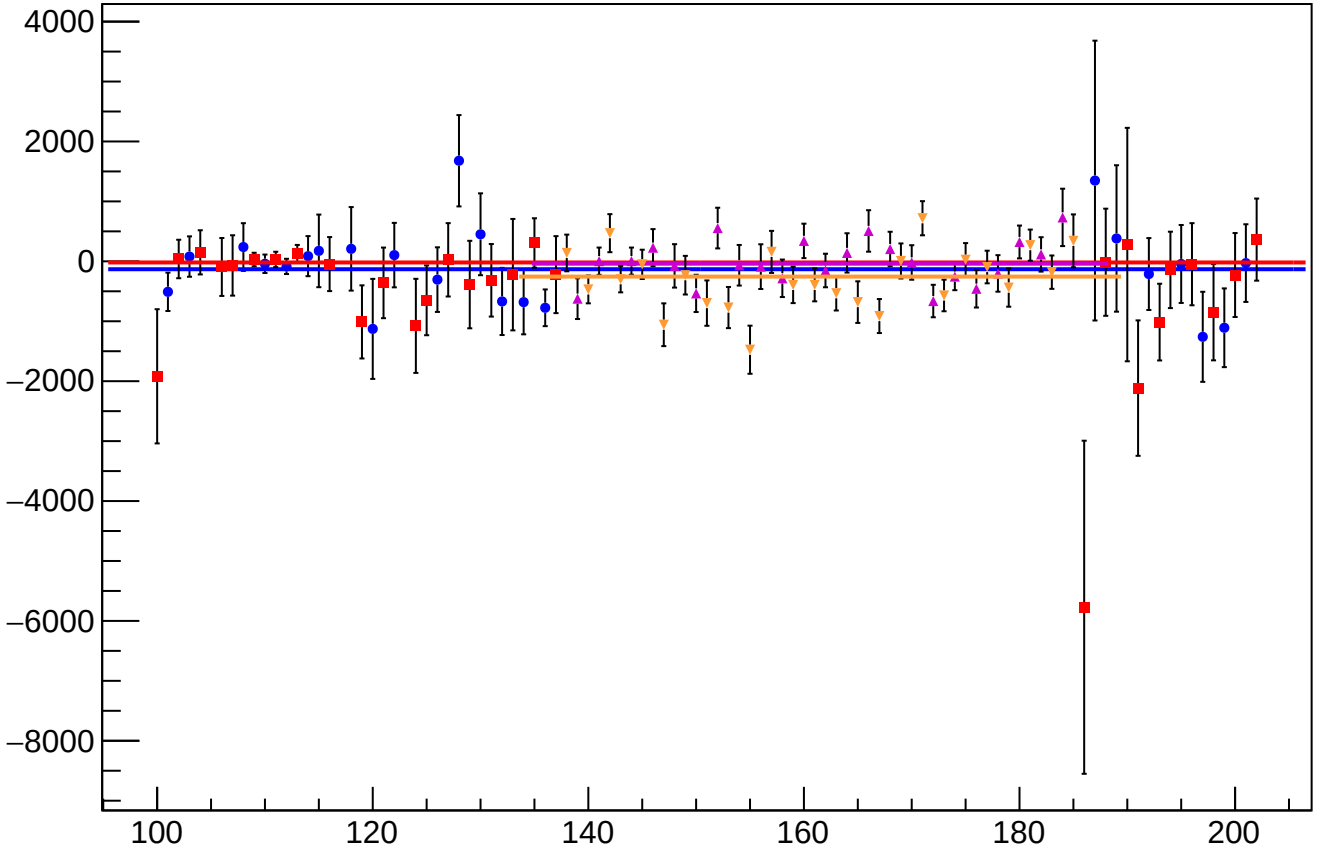
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.036+/-0.008 χ^2/NDF: 1069030.4/47

All: 61.557+/-0.005 χ^2/NDF: 2767007.9/99

- sign 62.083+/-0.008 χ^2/NDF: 1688883.6/51

asym_sam8_cor_correction_mean vs Slug



Right In: -131.721+/-73.595 χ^2/NDF: 23.6/22

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -19.020+/-62.176 χ^2/NDF: 23.4/28

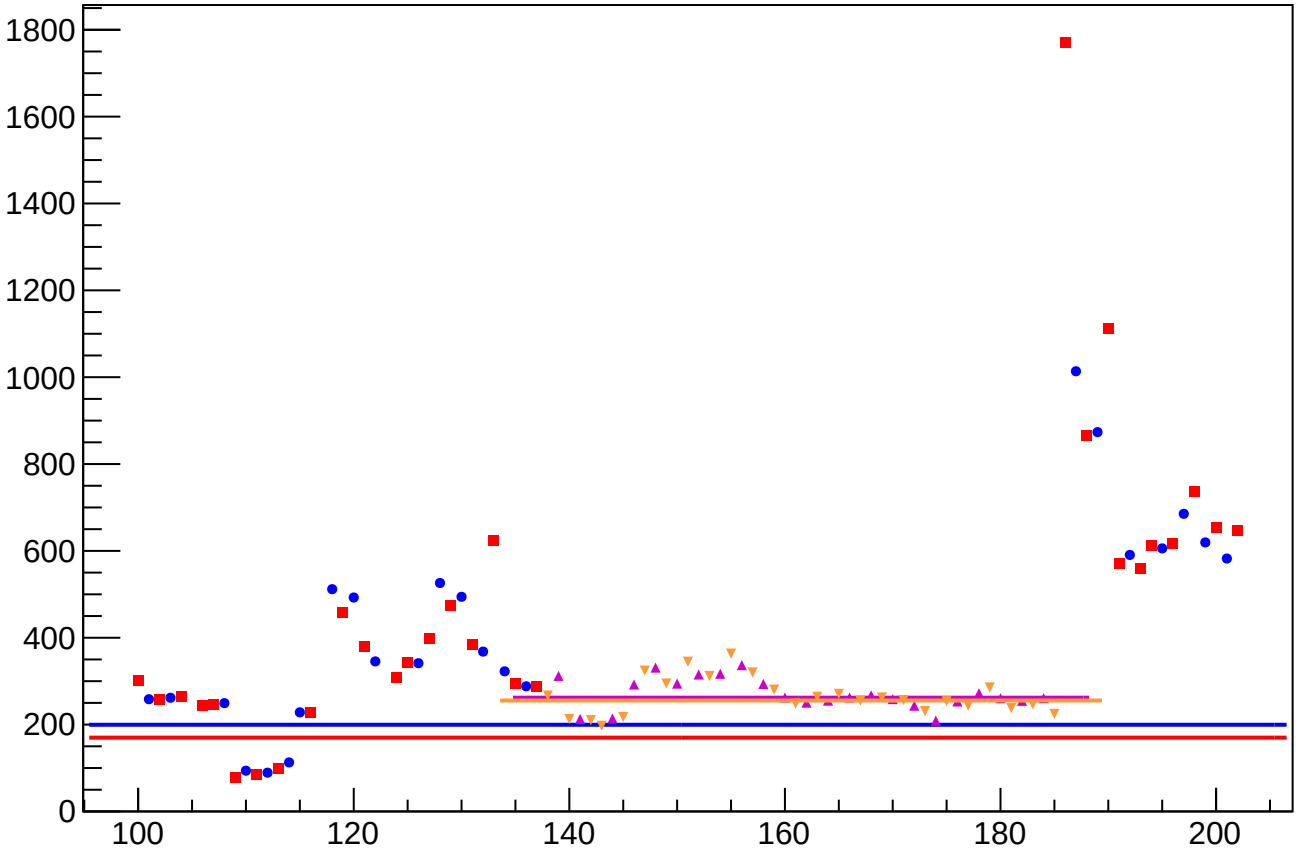
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -206.662+/-45.975 χ^2/NDF: 83.0/47

All: -113.721+/-31.735 χ^2/NDF: 142.6/99

- sign -29.130+/-43.861 χ^2/NDF: 51.8/51

asym_sam8_cor_correction_rms vs Slug



Right In: 199.649+/-0.052 χ^2/NDF: 9713724.5/22

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 169.974+/-0.044 χ^2/NDF: 13670859.3/28

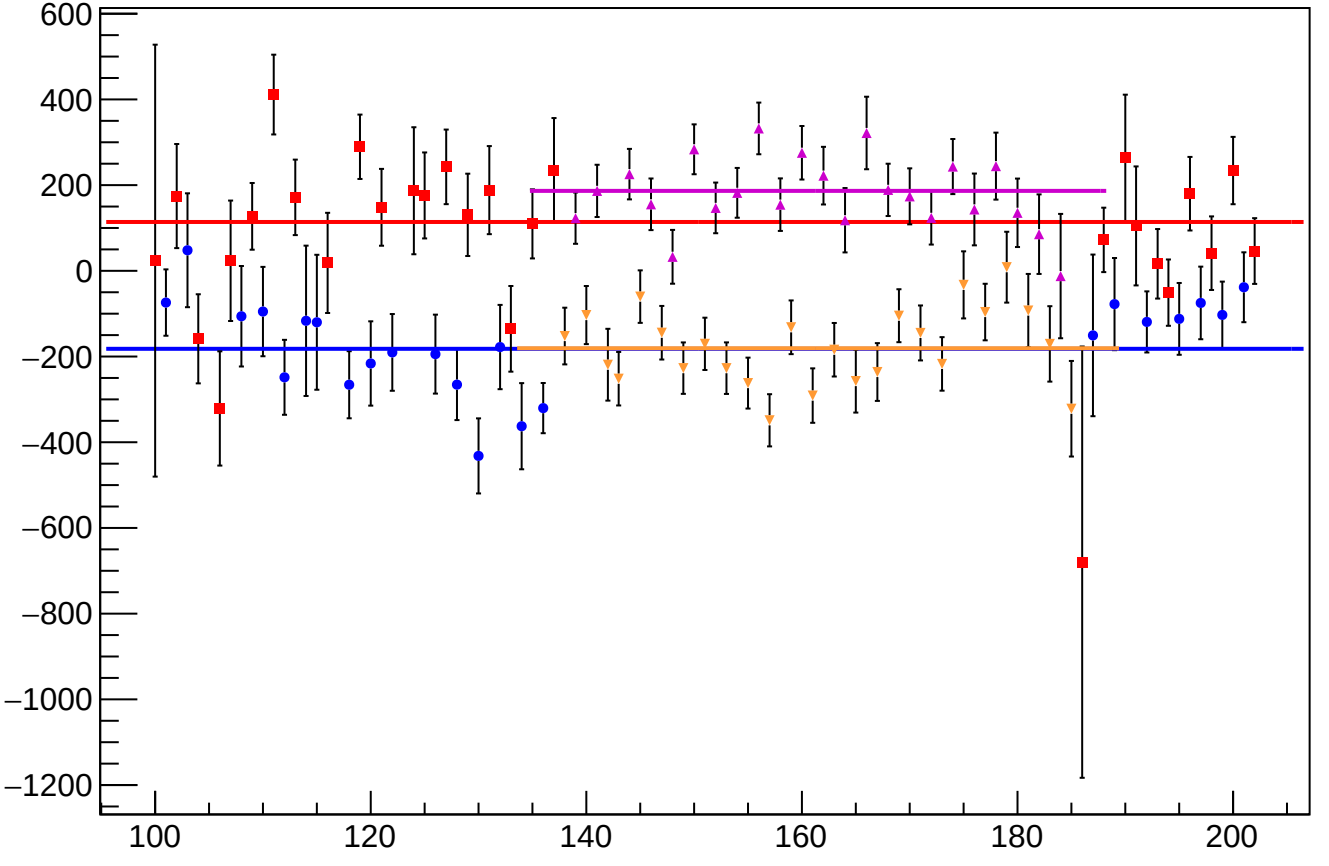
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 233.685+/-0.033 χ^2/NDF: 11279165.5/47

All: 224.536+/-0.022 χ^2/NDF: 27973252.2/99

- sign 216.208+/-0.031 χ^2/NDF: 16542775.3/51

eigen_cor_asym_sam8_mean vs Slug



Right In: -181.978+/-18.966 χ^2/NDF: 34.4/22

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 114.006+/-18.083 χ^2/NDF: 60.0/28

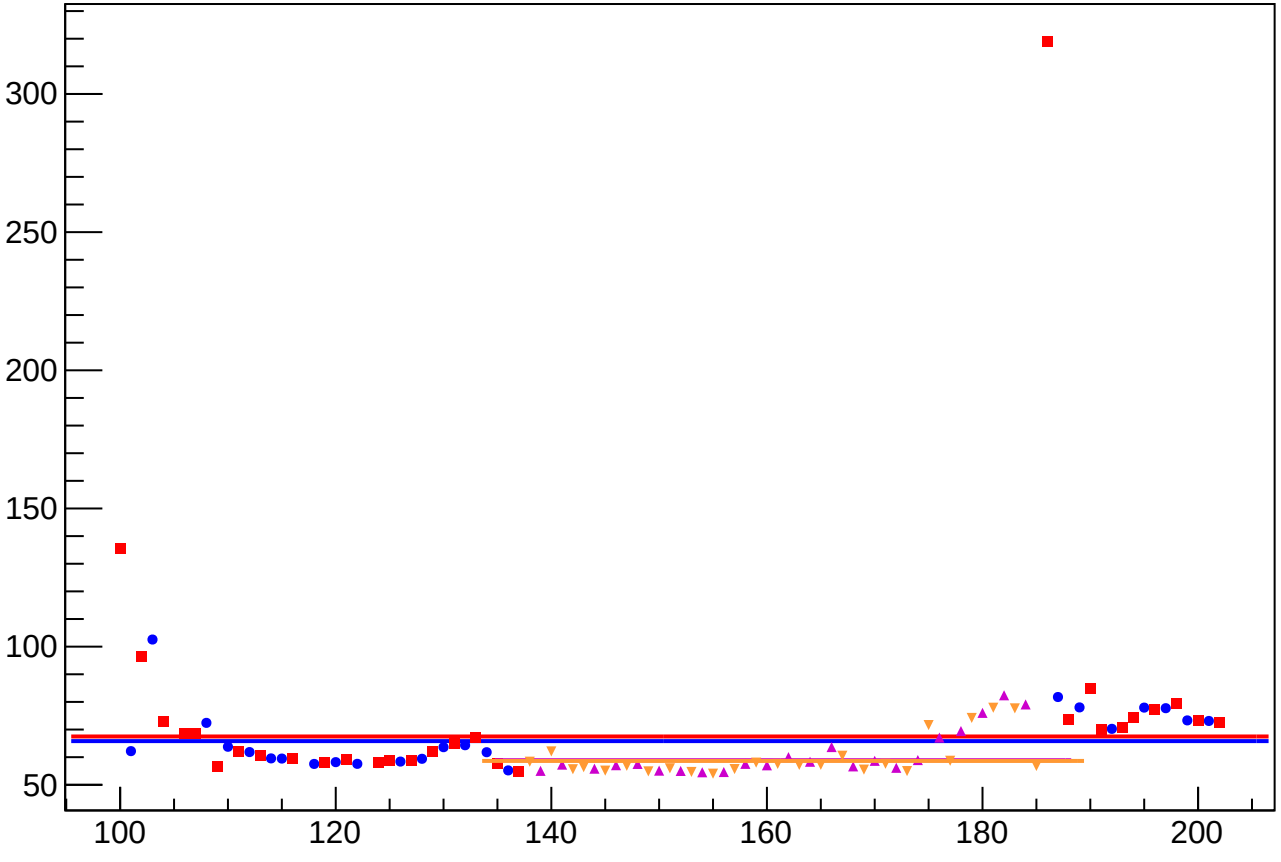
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -181.113+/-10.954 χ^2/NDF: 73.0/47

All: -11.415+/-7.762 χ^2/NDF: 654.1/99

- sign 159.716+/-11.000 χ^2/NDF: 99.1/51

eigen_cor_asym_sam8_rms vs Slug



Right In: 65.815+/-0.013 χ^2/NDF: 484604.8/22

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.491+/-0.013 χ^2/NDF: 1018141.2/28

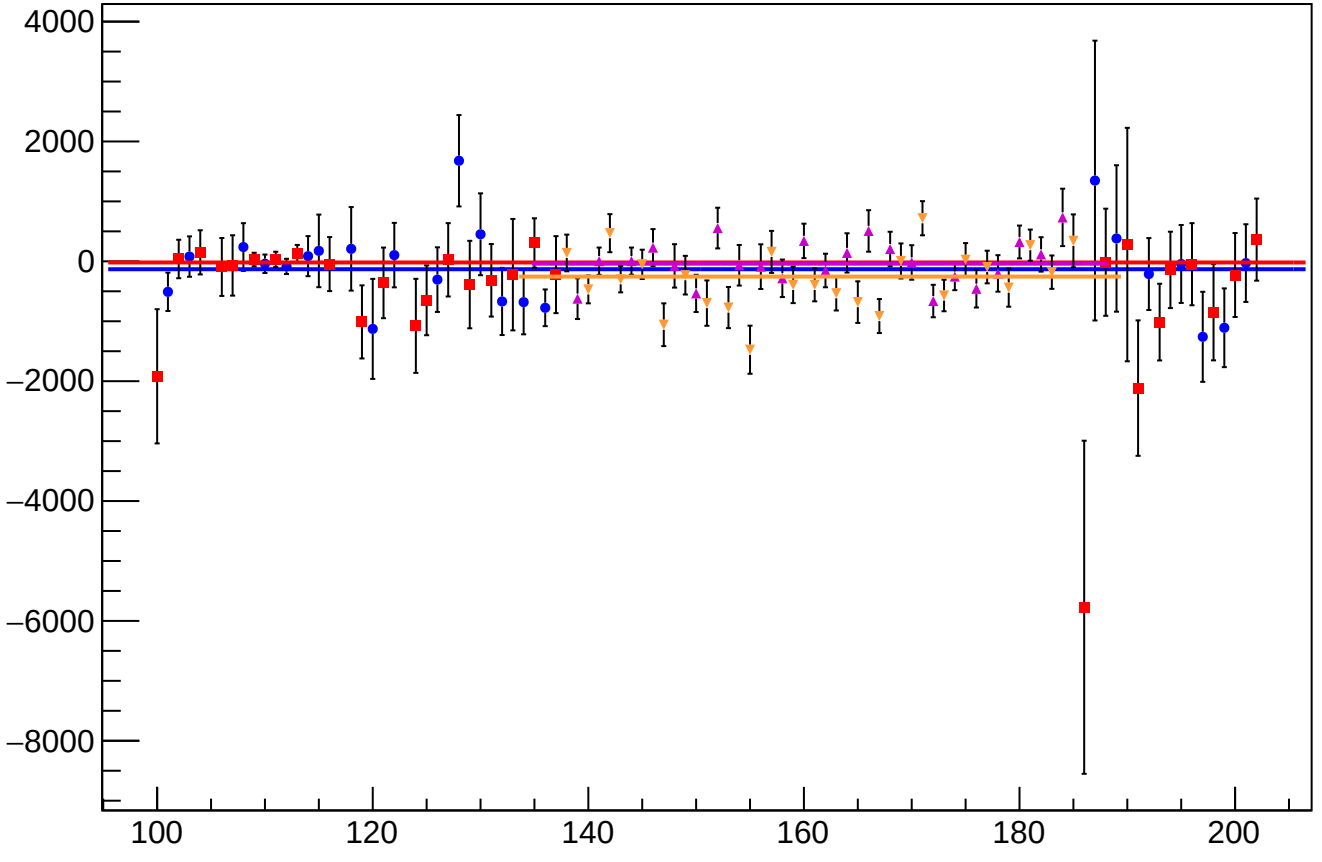
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.036+/-0.008 χ^2/NDF: 1069030.4/47

All: 61.557+/-0.005 χ^2/NDF: 2767007.9/99

- sign 62.083+/-0.008 χ^2/NDF: 1688883.6/51

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -131.721+/-73.595 χ^2/NDF: 23.6/22

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -19.020+/-62.176 χ^2/NDF: 23.4/28

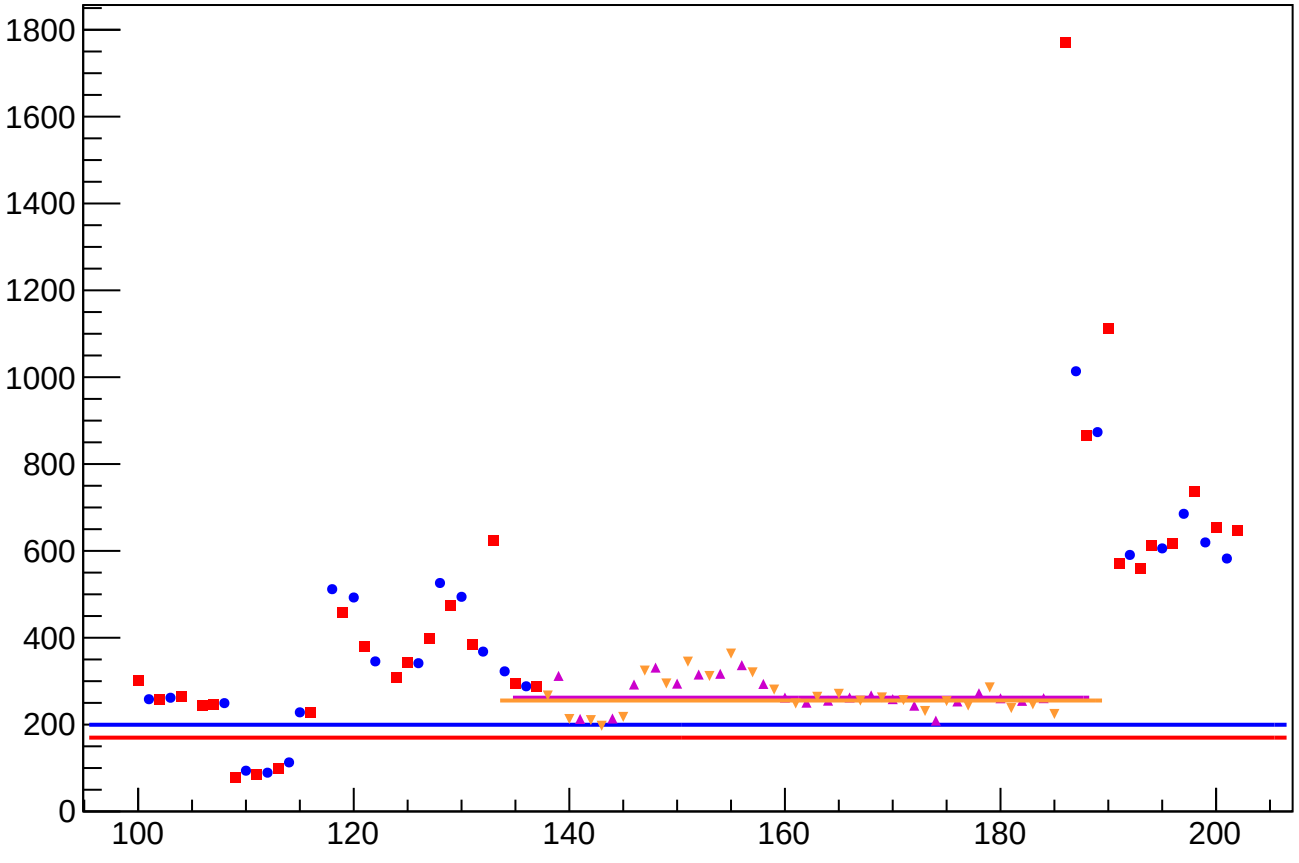
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -206.662+/-45.975 χ^2/NDF: 83.0/47

All: -113.721+/-31.735 χ^2/NDF: 142.6/99

- sign -29.130+/-43.861 χ^2/NDF: 51.8/51

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 199.649+/-0.052 χ^2/NDF: 9713724.5/22

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 169.974+/-0.044 χ^2/NDF: 13670859.3/28

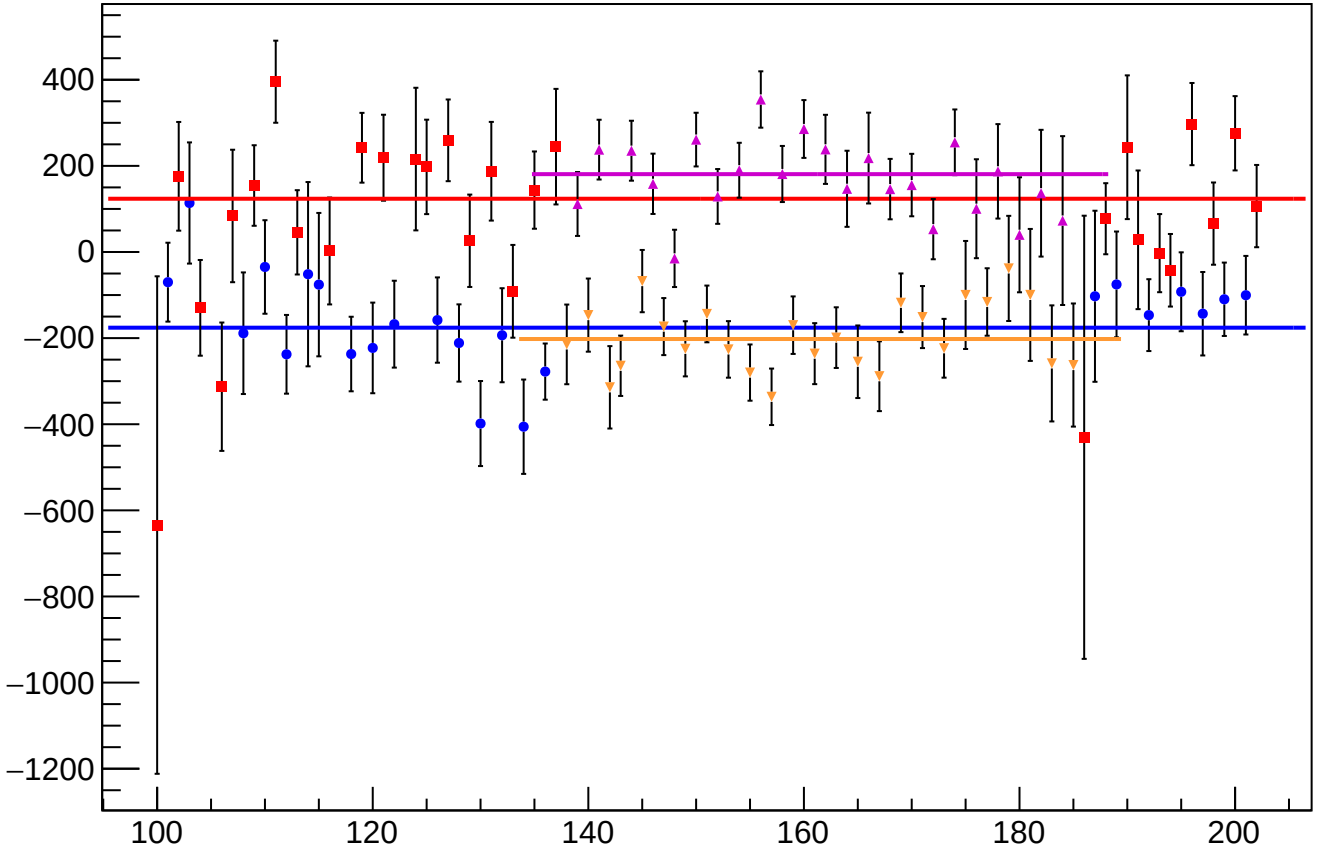
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 233.685+/-0.033 χ^2/NDF: 11279165.5/47

All: 224.536+/-0.022 χ^2/NDF: 27973252.2/99

- sign 216.208+/-0.031 χ^2/NDF: 16542775.3/51

dit_asym_sam8_mean vs Slug



Right In: -175.779+/-21.065 χ^2/NDF: 24.4/22

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 123.675+/-20.038 χ^2/NDF: 52.4/28

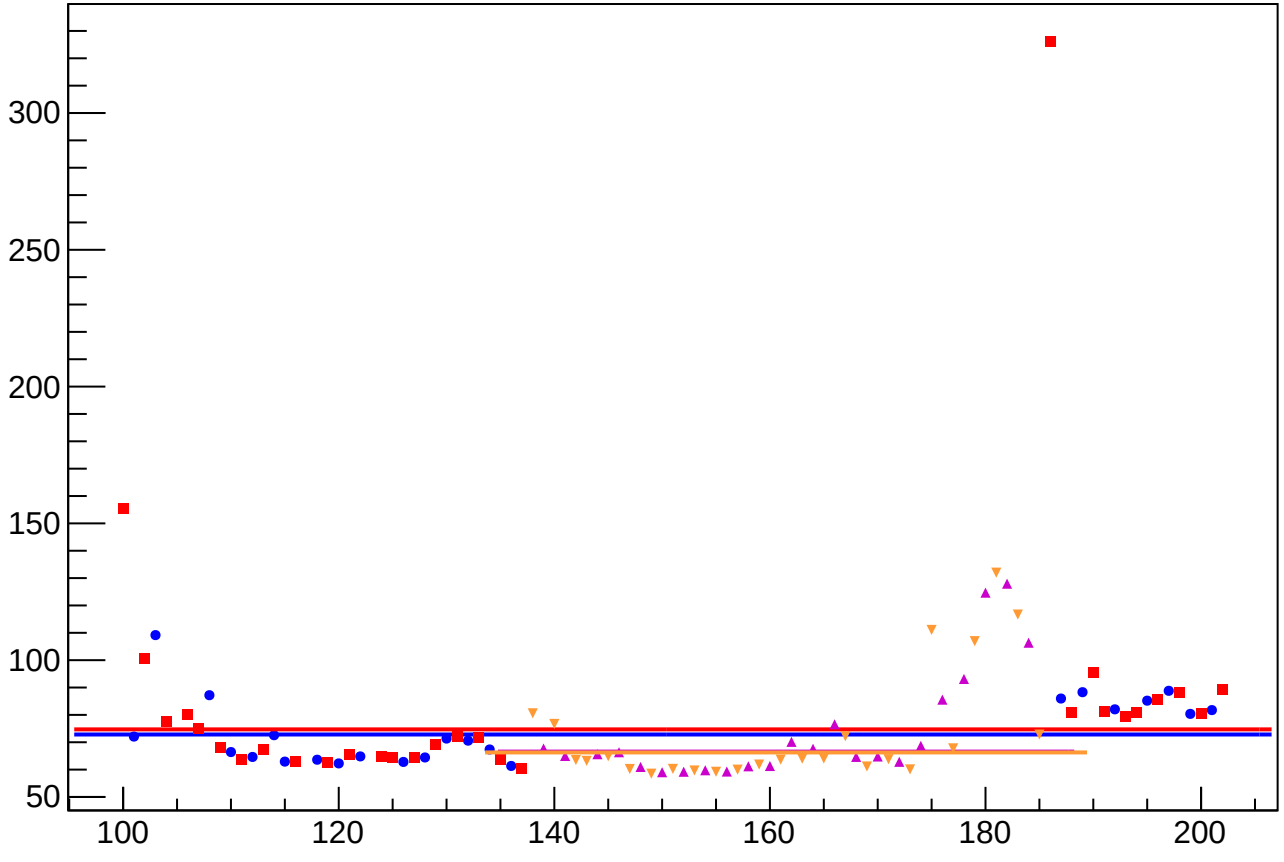
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -192.819+/-12.504 χ^2/NDF: 46.9/47

All: -17.262+/-8.845 χ^2/NDF: 528.9/99

- sign 158.516+/-12.512 χ^2/NDF: 87.5/51

dit_asym_sam8_rms vs Slug



Right In: 72.833+/-0.015 χ^2/NDF: 536423.4/22

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.706+/-0.014 χ^2/NDF: 1023746.2/28

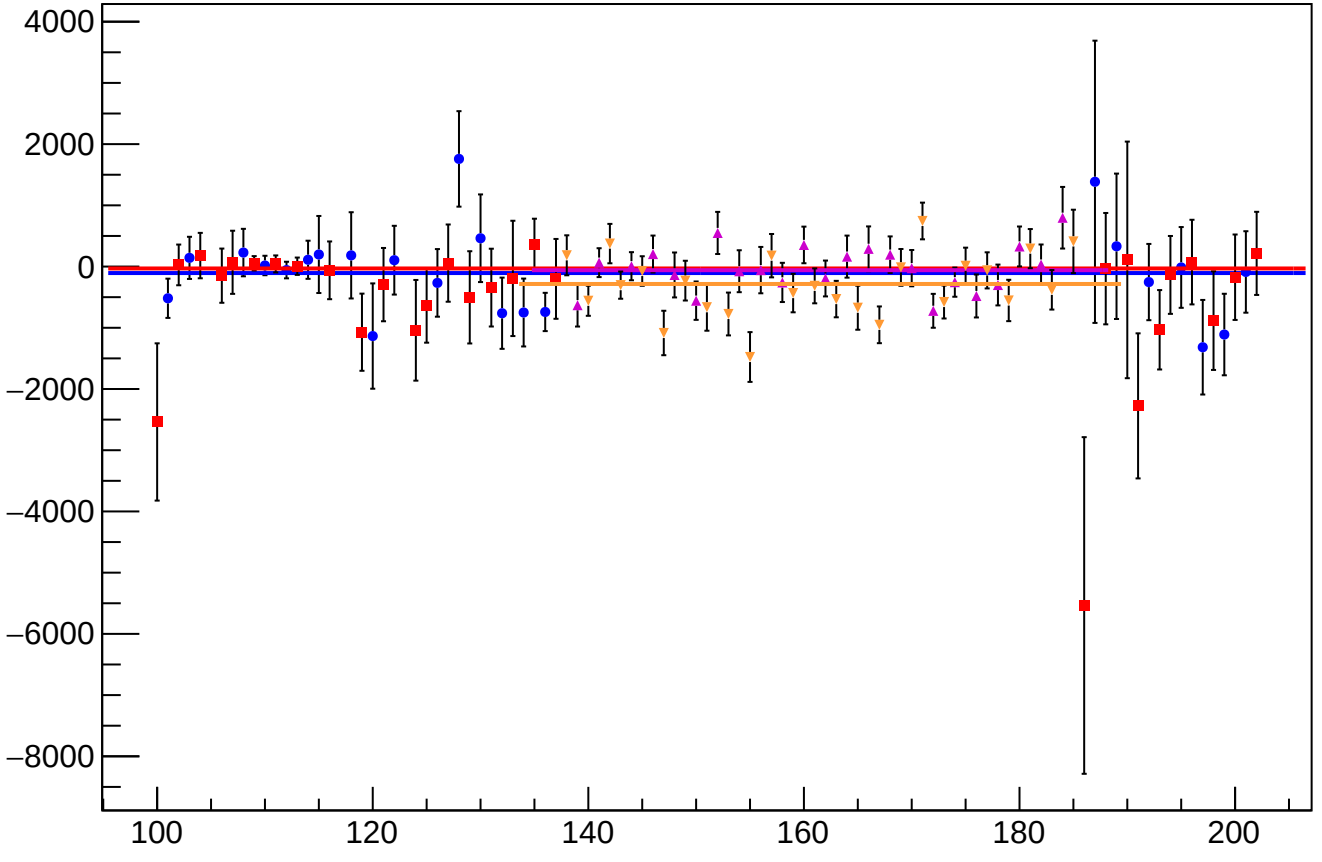
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 68.588+/-0.009 χ^2/NDF: 2055687.8/47

All: 69.170+/-0.006 χ^2/NDF: 4446730.5/99

- sign 69.752+/-0.009 χ^2/NDF: 2382392.8/51

asym_sam8_dit_correction_mean vs Slug



Right In: -105.959+/-75.915 χ^2/NDF: 24.7/22

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -31.194+/-63.859 χ^2/NDF: 23.5/28

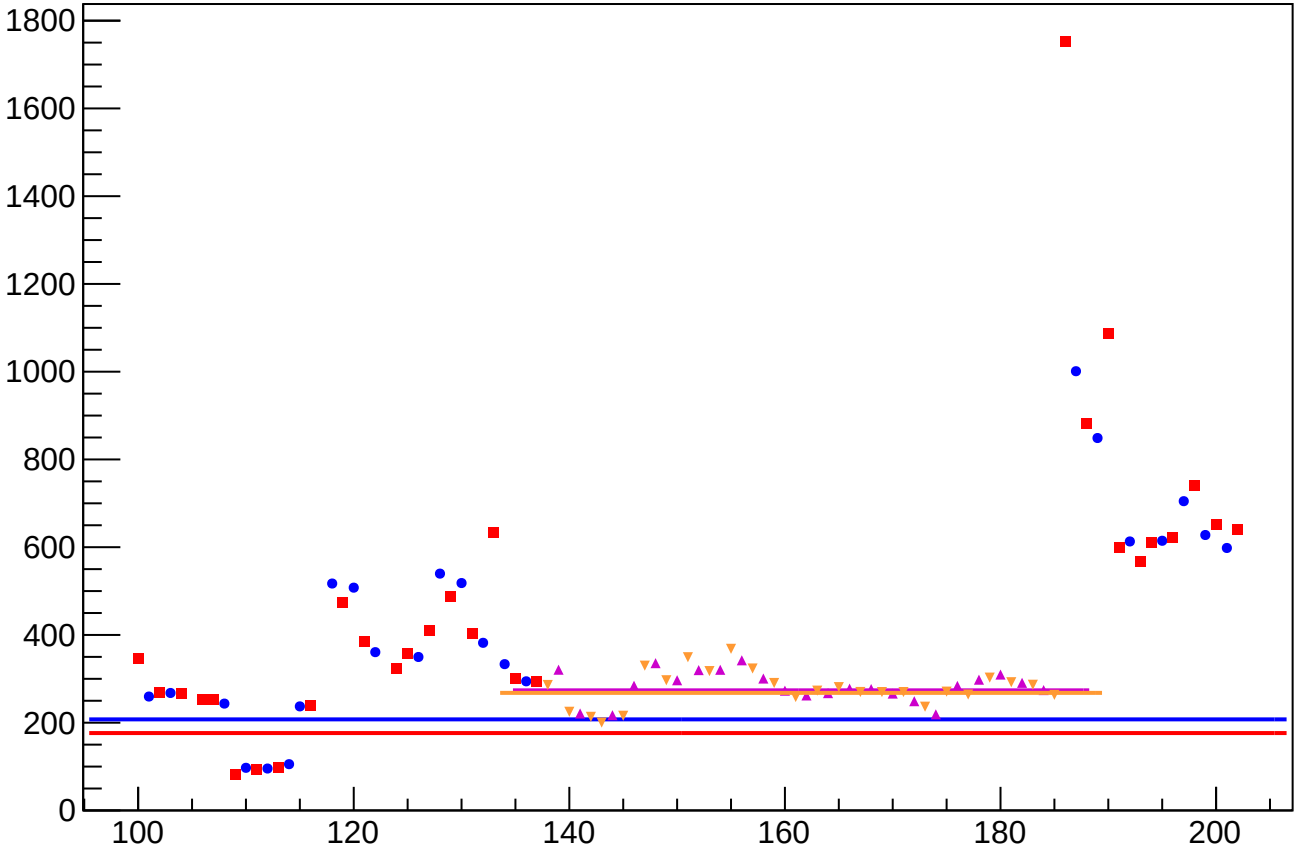
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -213.410+/-47.893 χ^2/NDF: 82.6/47

All: -124.762+/-32.959 χ^2/NDF: 139.6/99

- sign -45.008+/-45.427 χ^2/NDF: 50.5/51

asym_sam8_dit_correction_rms vs Slug



Right In: 207.584+/-0.054 χ^2/NDF: 9514088.8/22

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

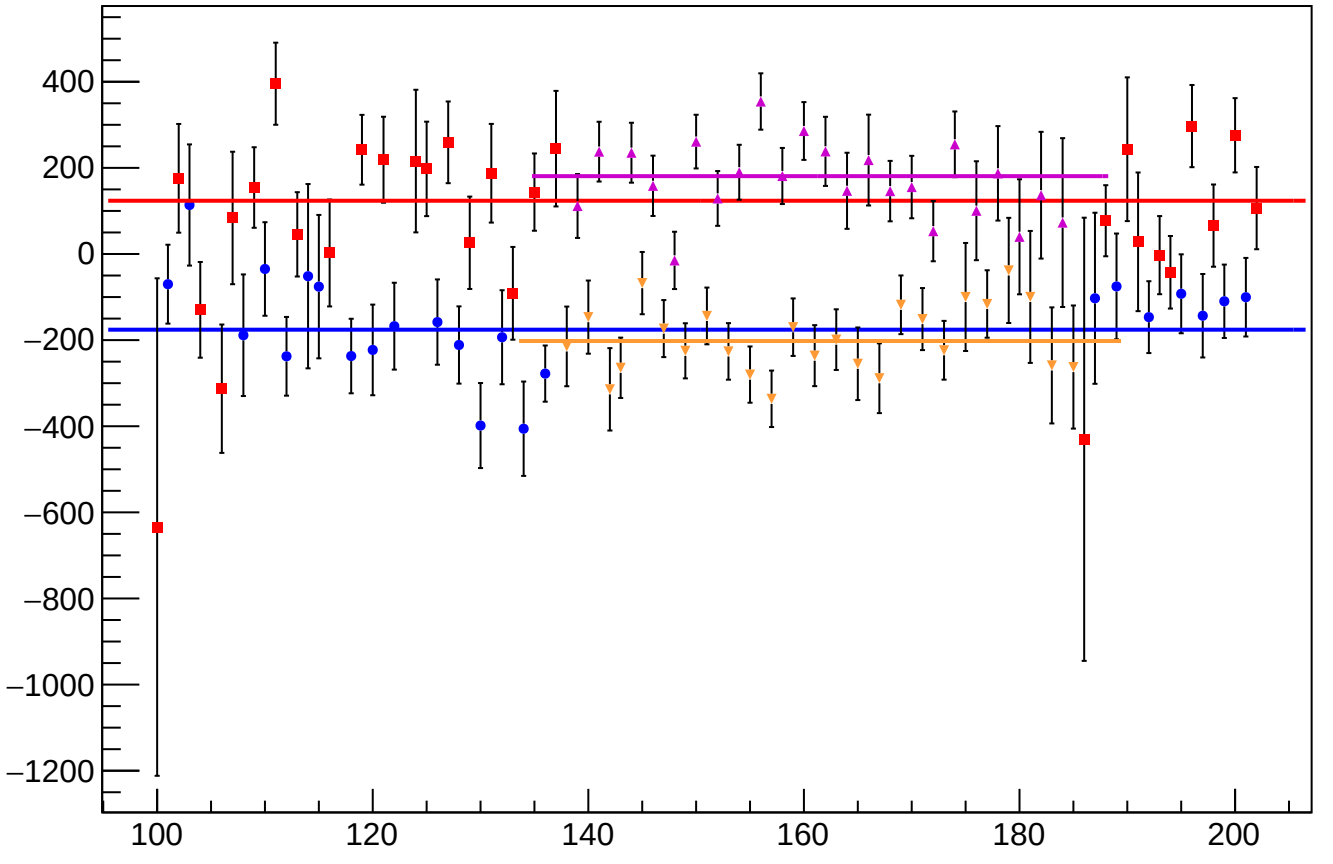
Right Out: 176.390+/-0.045 χ^2/NDF: 13497860.8/28

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 243.945+/-0.034 χ^2/NDF: 11139047.0/47

All: 233.700+/-0.023 χ^2/NDF: 27757431.0/99

- sign 224.481+/-0.032 χ^2/NDF: 16444497.0/51



Right In: -175.779+/-21.065 χ^2/NDF: 24.4/22

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 123.675+/-20.038 χ^2/NDF: 52.4/28

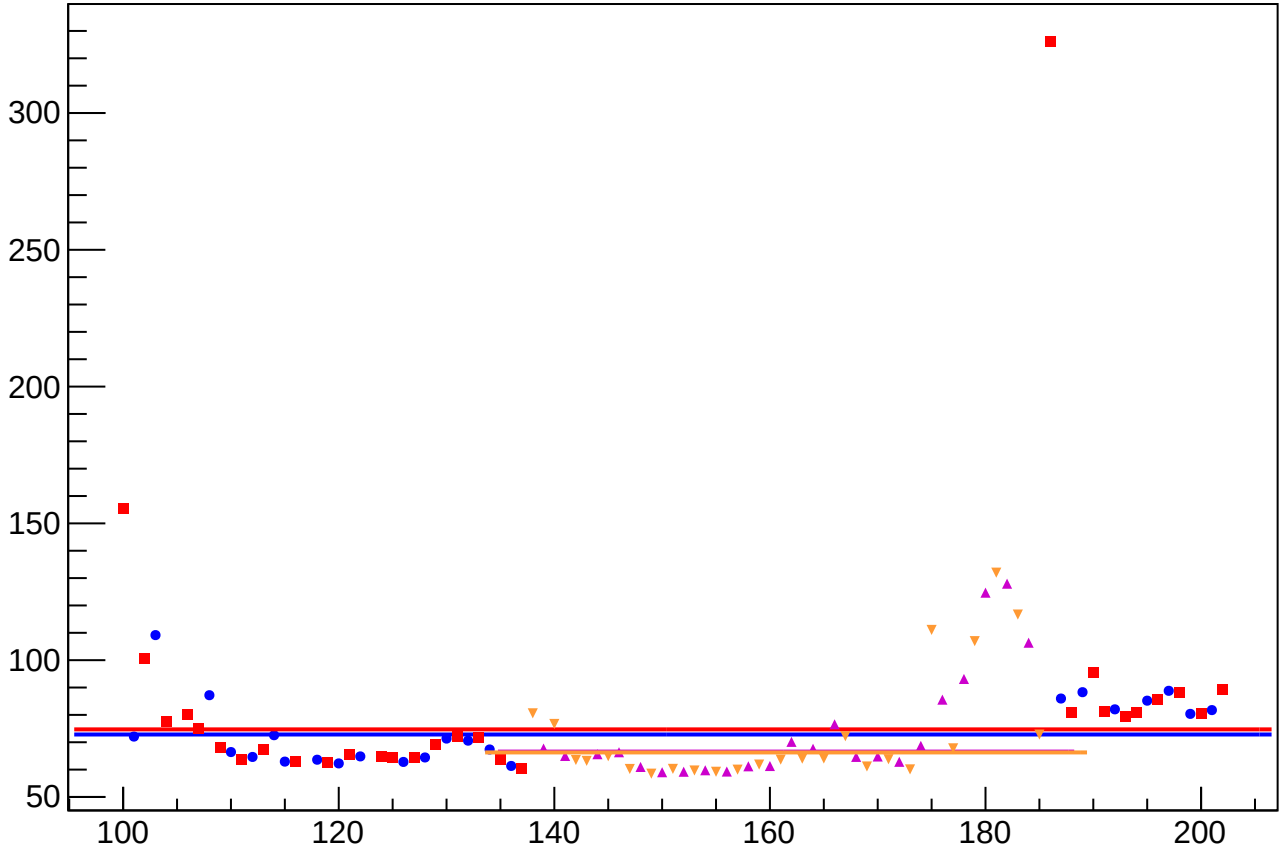
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -192.819+/-12.504 χ^2/NDF: 46.9/47

All: -17.262+/-8.845 χ^2/NDF: 528.9/99

- sign 158.517+/-12.512 χ^2/NDF: 87.5/51

eigen_dit_asym_sam8_rms vs Slug



Right In: 72.833+/-0.015 χ^2/NDF: 536426.8/22

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.706+/-0.014 χ^2/NDF: 1023751.5/28

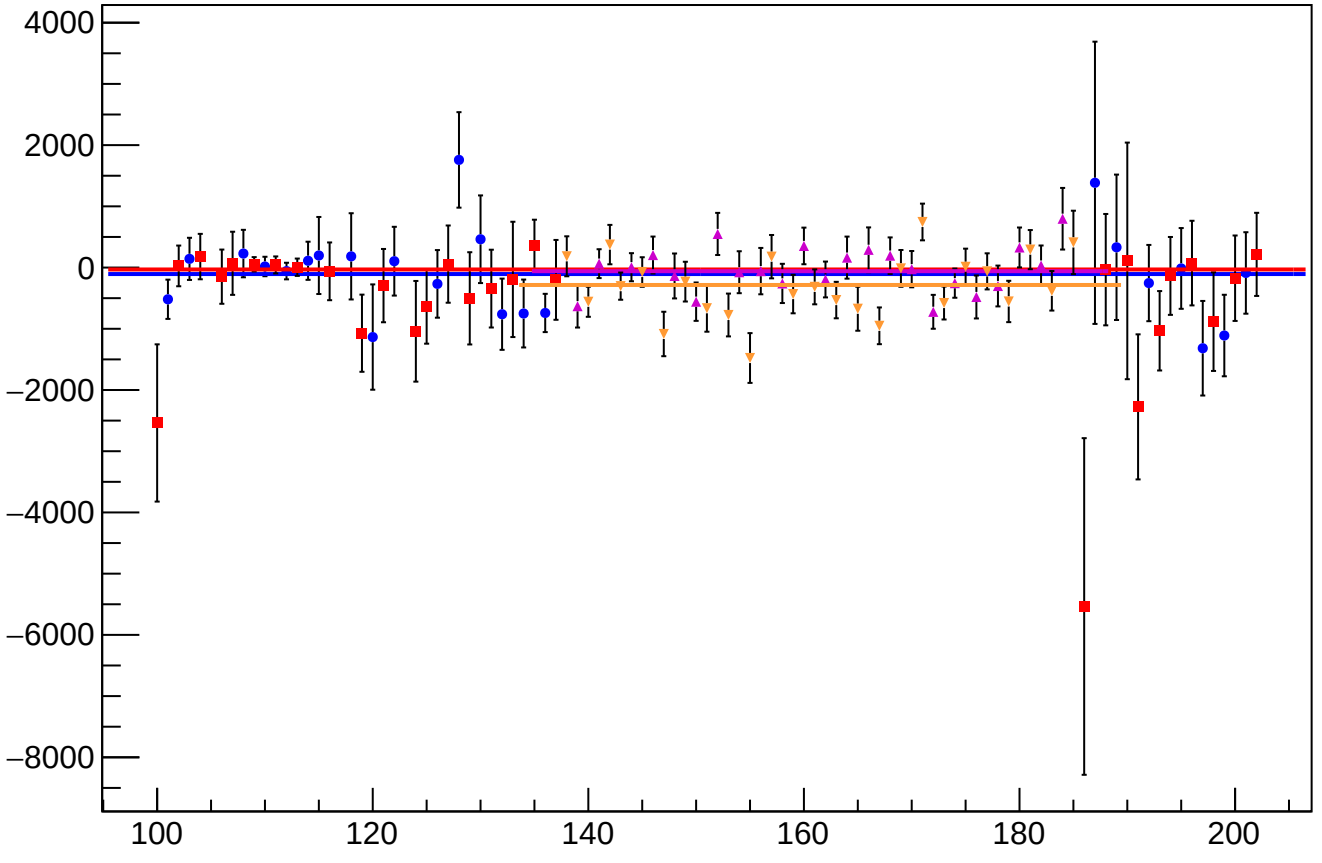
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 68.588+/-0.009 χ^2/NDF: 2055686.5/47

All: 69.170+/-0.006 χ^2/NDF: 4446717.1/99

- sign 69.752+/-0.009 χ^2/NDF: 2382380.6/51

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -105.957+/-75.915 χ^2/NDF: 24.7/22

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -31.193+/-63.859 χ^2/NDF: 23.5/28

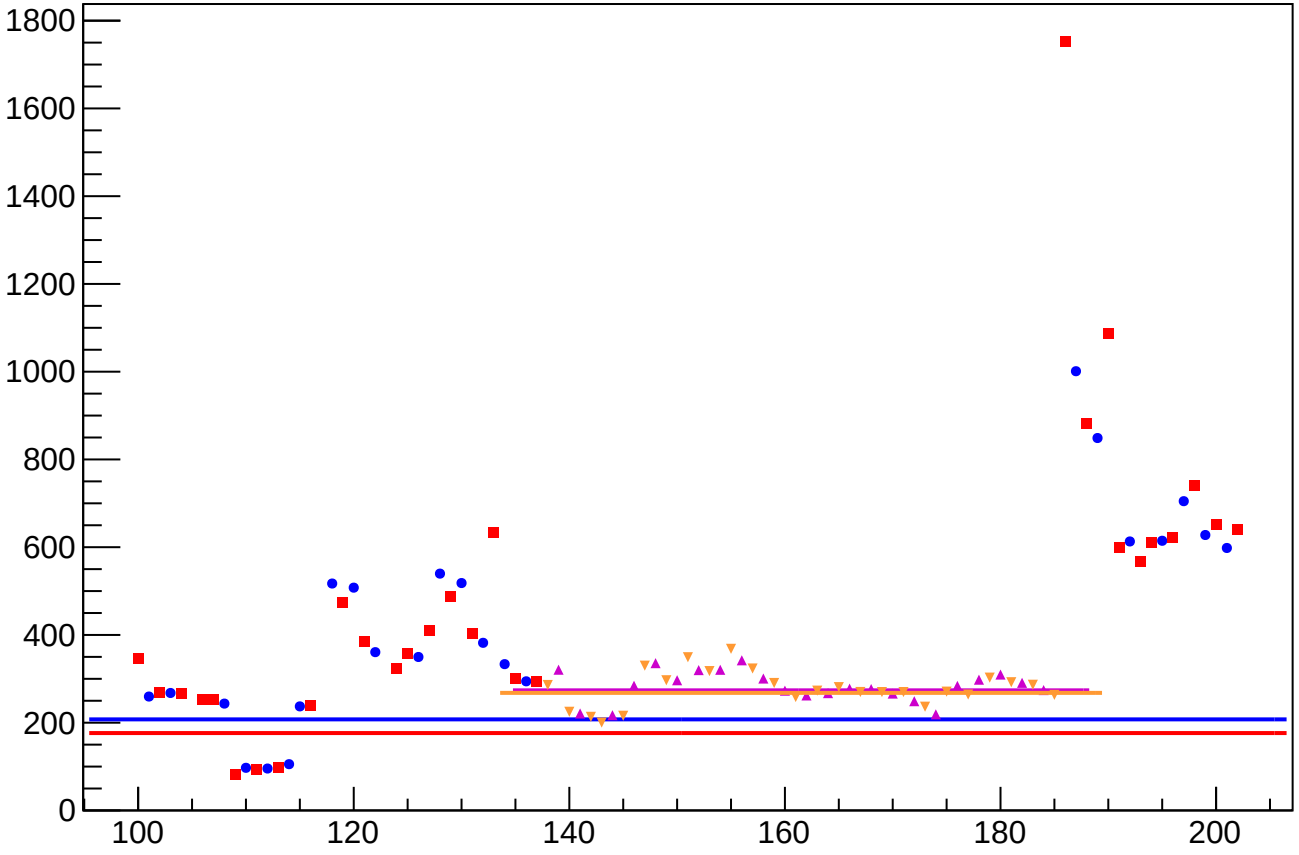
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -213.408+/-47.893 χ^2/NDF: 82.6/47

All: -124.762+/-32.959 χ^2/NDF: 139.6/99

- sign -45.008+/-45.427 χ^2/NDF: 50.5/51

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 207.583+/-0.054 χ^2/NDF: 9514135.4/22

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 176.390+/-0.045 χ^2/NDF: 13497842.1/28

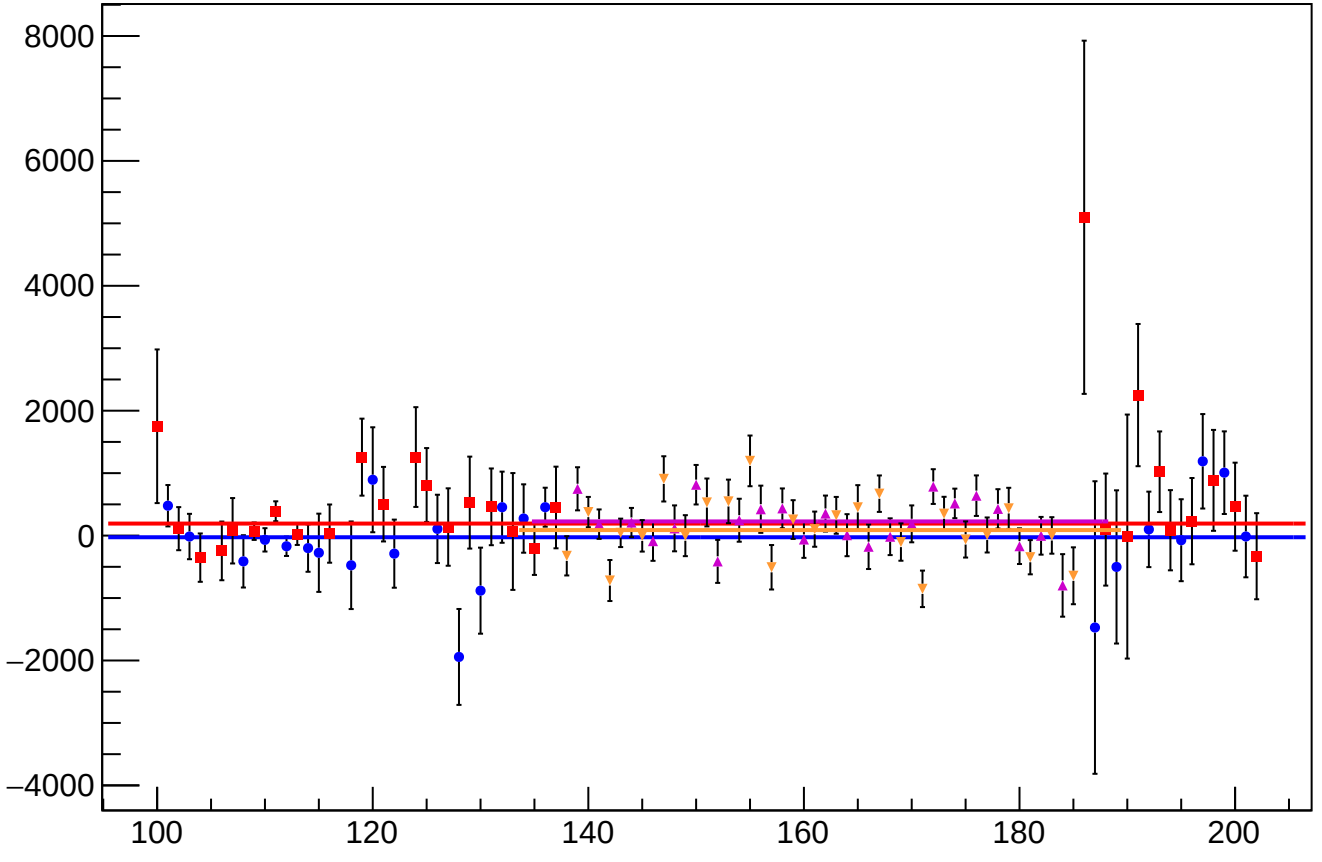
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 243.944+/-0.034 χ^2/NDF: 11139128.7/47

All: 233.699+/-0.023 χ^2/NDF: 27757477.6/99

- sign 224.481+/-0.032 χ^2/NDF: 16444472.4/51

asym_sam8_mean vs Slug



Right In: -26.475+/-83.122 χ^2/NDF: 23.1/22

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 192.499+/-71.672 χ^2/NDF: 25.0/28

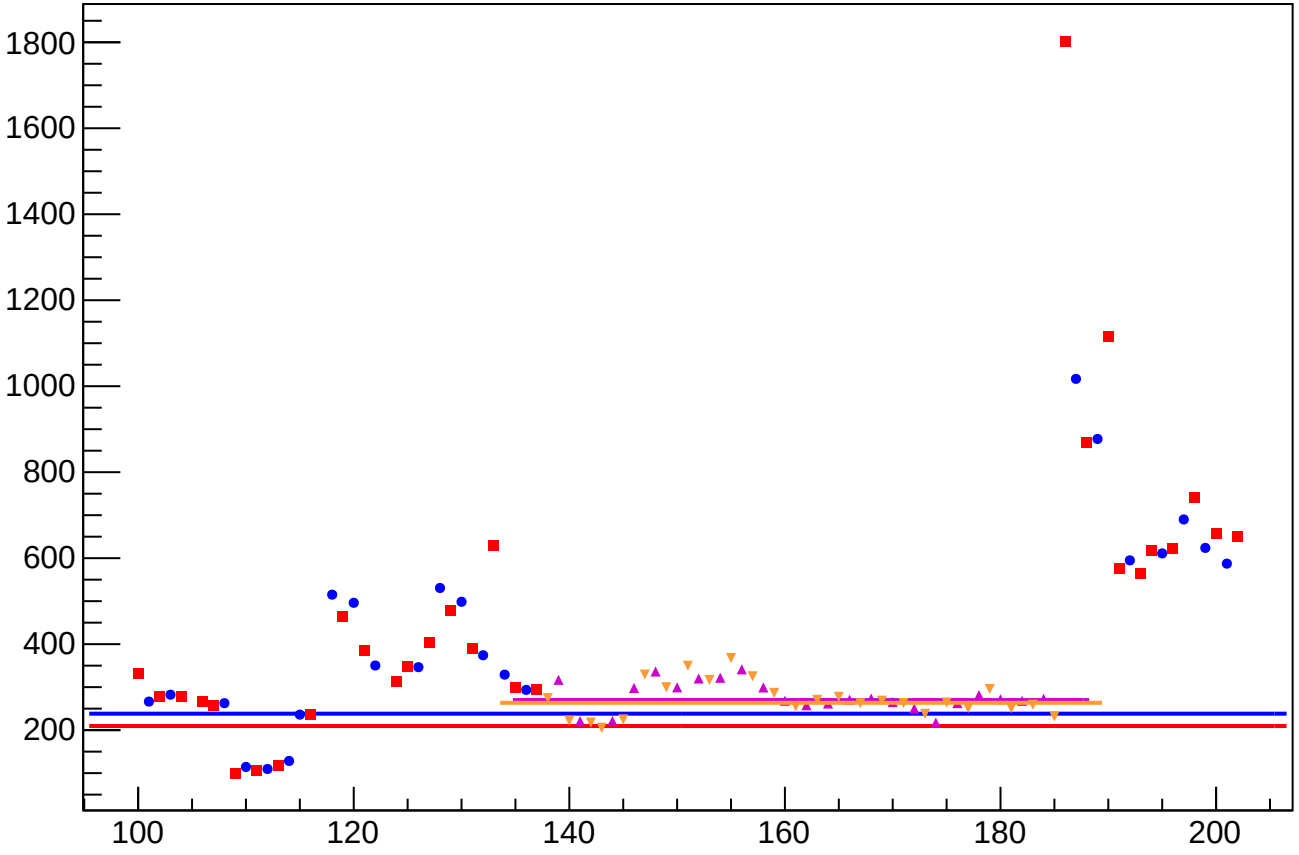
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 48.474+/-49.003 χ^2/NDF: 76.6/47

All: 132.454+/-34.145 χ^2/NDF: 136.3/99

- sign 211.706+/-47.603 χ^2/NDF: 54.0/51

asym_sam8_rms vs Slug



Right In: 238.279+/-0.059 χ^2/NDF: 8004482.0/22

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 209.595+/-0.051 χ^2/NDF: 11695279.5/28

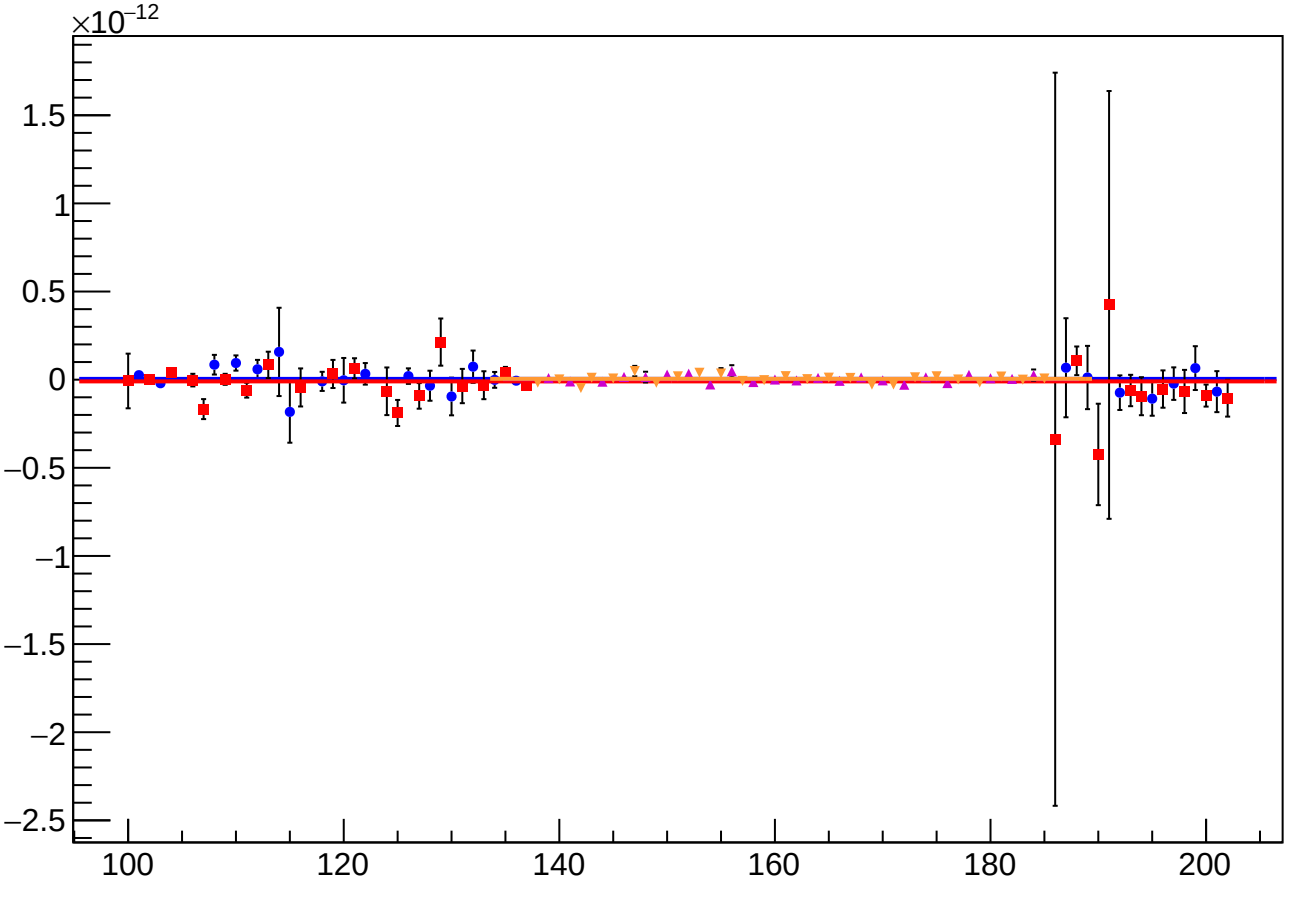
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 254.795+/-0.035 χ^2/NDF: 8905361.3/47

All: 248.879+/-0.024 χ^2/NDF: 22050800.0/99

- sign 243.296+/-0.034 χ^2/NDF: 13088777.7/51

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

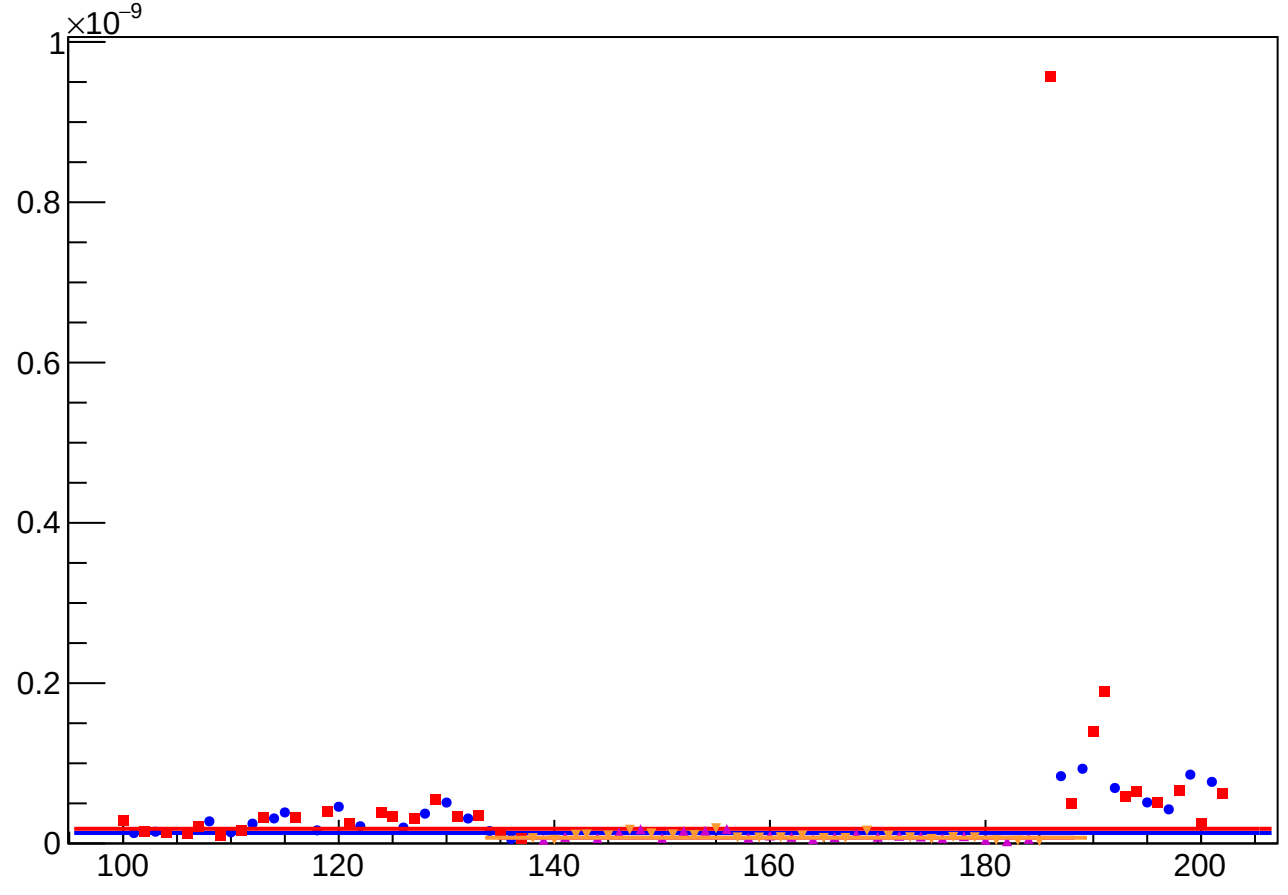
Right Out: -0.000+/-0.000 χ^2/NDF: 38.8/28

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.5/47

All: 0.000+/-0.000 χ^2/NDF: 106.8/99

- sign 0.000+/-0.000 χ^2/NDF: 61.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 4862788.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4348255.3/28

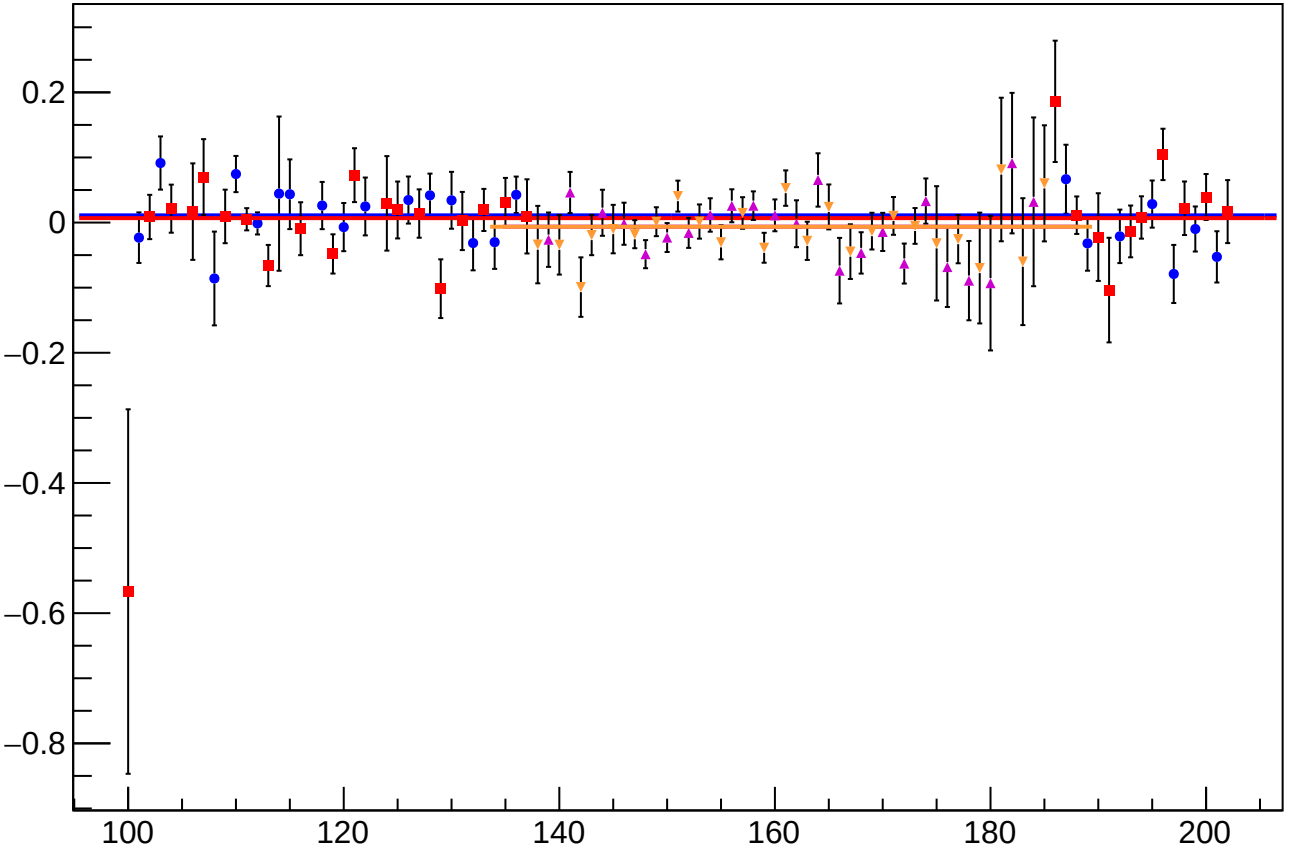
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7757608.4/47

All: 0.000+/-0.000 χ^2/NDF: 16573890.1/99

- sign 0.000+/-0.000 χ^2/NDF: 8807085.4/51

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.008 χ^2/NDF: 28.1/22

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.7/28

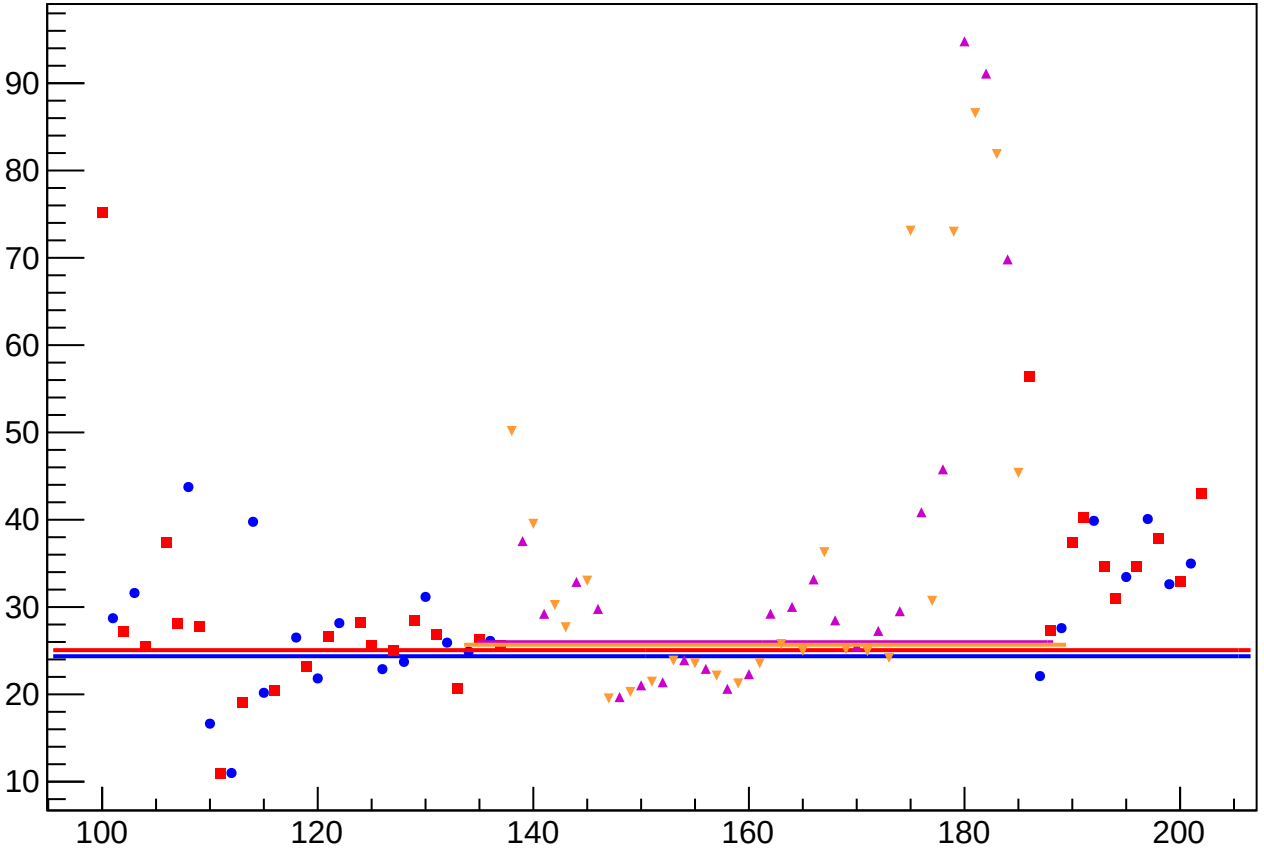
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.001+/-0.005 χ^2/NDF: 53.7/47

All: 0.000+/-0.003 χ^2/NDF: 120.7/99

- sign -0.000+/-0.005 χ^2/NDF: 67.0/51

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 24.367+/-0.005 χ^2/NDF: 2700411.6/22

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

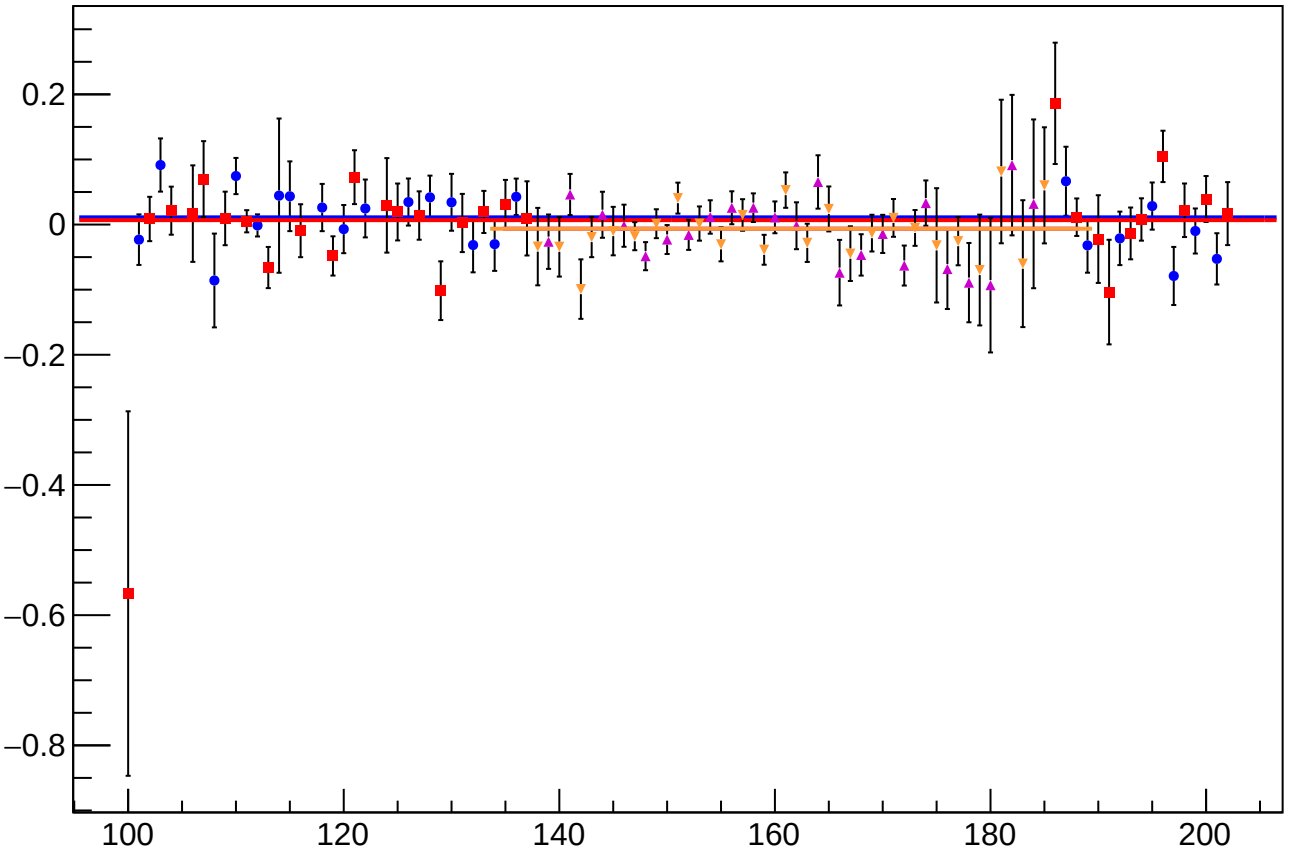
Right Out: 25.065+/-0.005 χ^2/NDF: 2932252.5/28

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.135+/-0.003 χ^2/NDF: 6607412.5/47

All: 25.345+/-0.002 χ^2/NDF: 12682666.4/99

- sign 25.553+/-0.003 χ^2/NDF: 6067894.5/51



Right In: 0.011+/-0.008 χ^2/NDF: 28.1/22

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.7/28

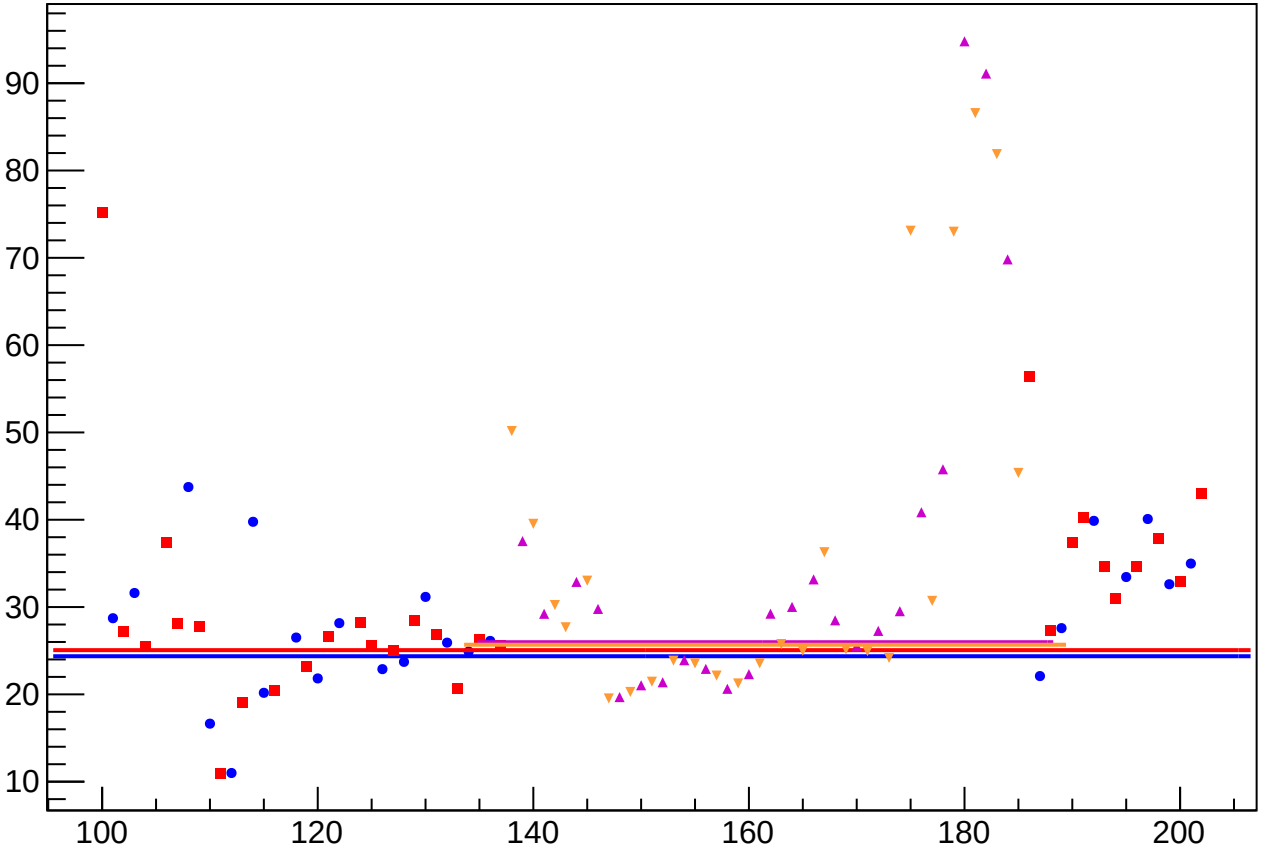
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.001+/-0.005 χ^2/NDF: 53.7/47

All: 0.000+/-0.003 χ^2/NDF: 120.7/99

- sign -0.000+/-0.005 χ^2/NDF: 67.0/51

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.367+/-0.005 χ^2/NDF: 2700411.6/22

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

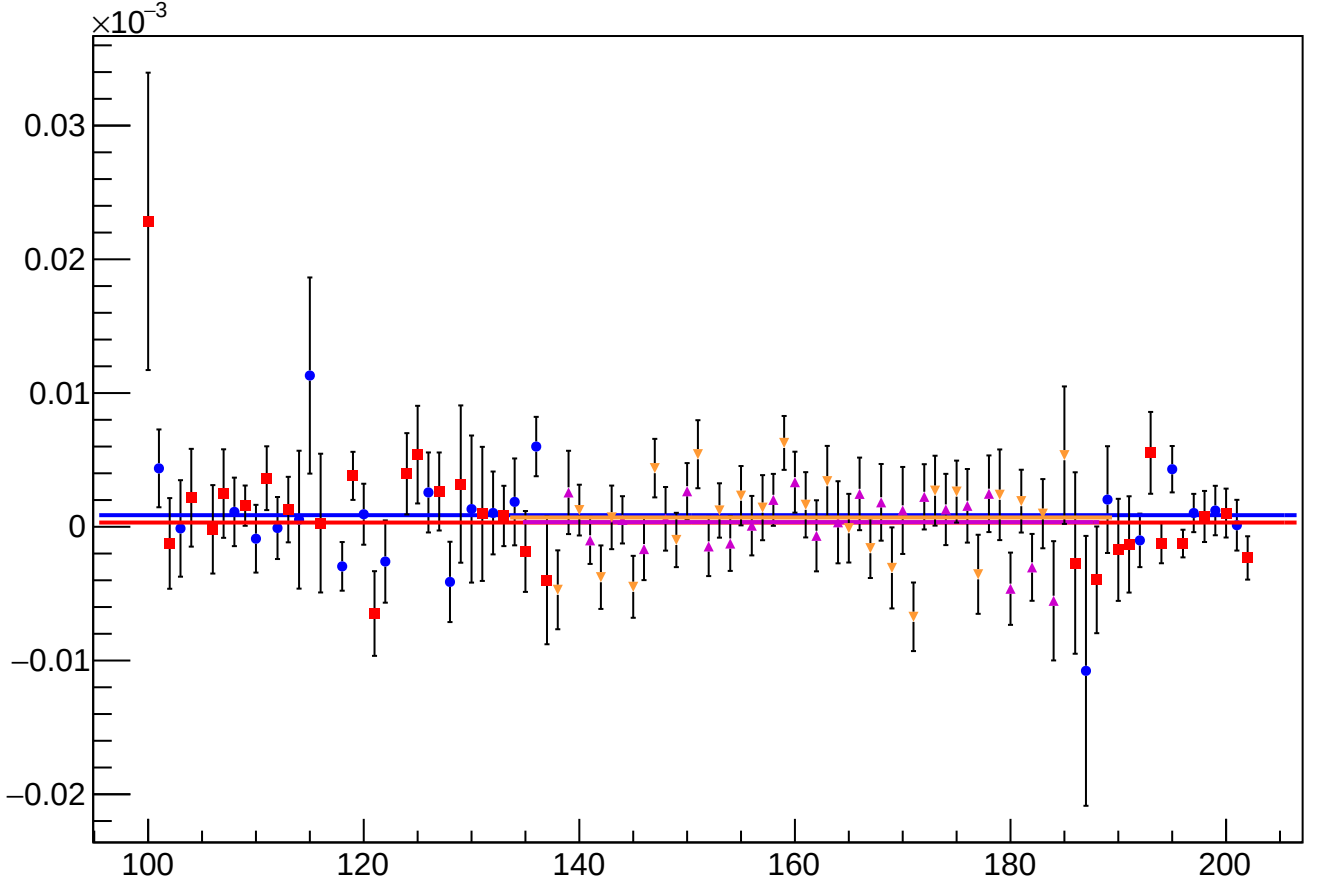
Right Out: 25.065+/-0.005 χ^2/NDF: 2932252.5/28

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.135+/-0.003 χ^2/NDF: 6607412.5/47

All: 25.345+/-0.002 χ^2/NDF: 12682666.4/99

- sign 25.553+/-0.003 χ^2/NDF: 6067894.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/28

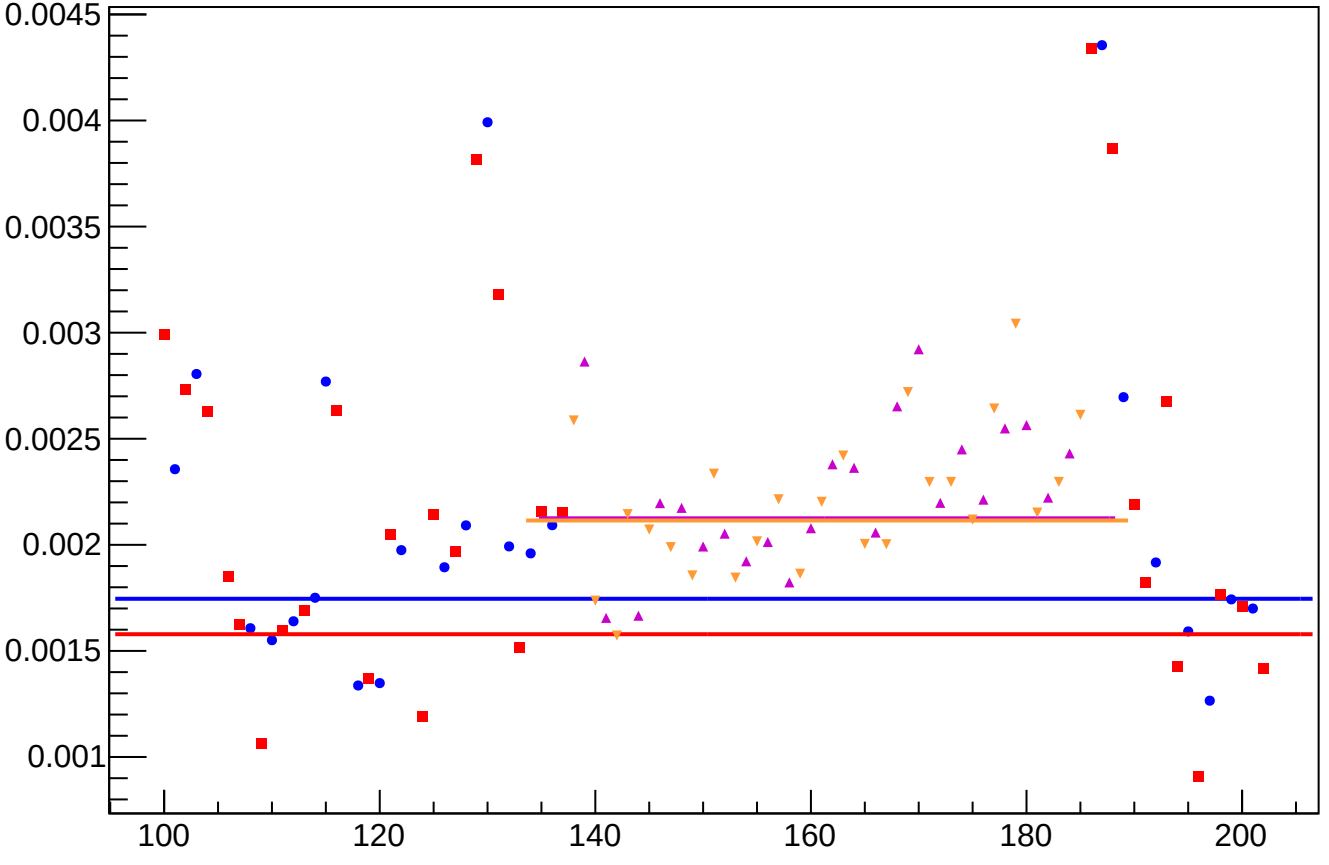
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.3/47

All: 0.000+/-0.000 χ^2/NDF: 119.3/99

- sign 0.000+/-0.000 χ^2/NDF: 49.2/51

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1433790.5/22

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3768798.6/28

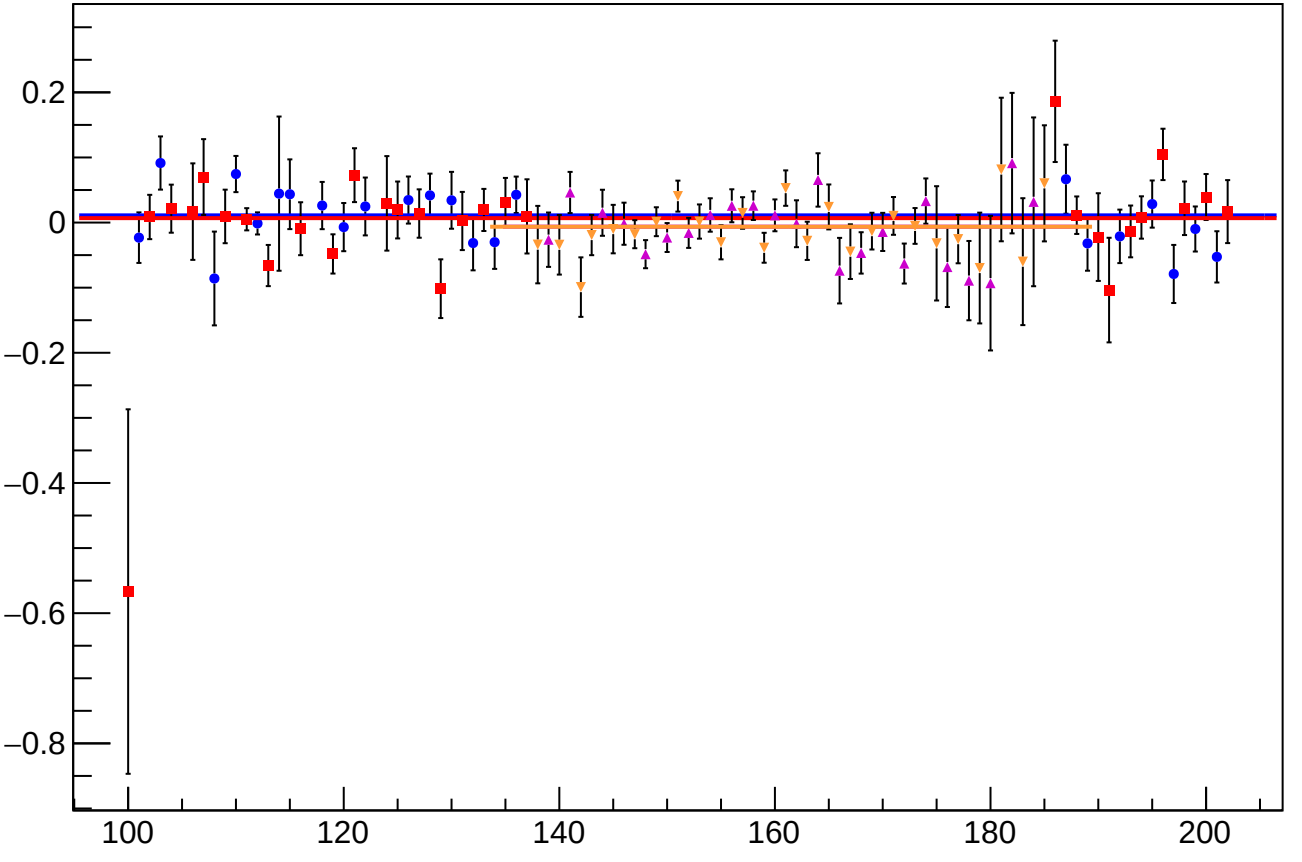
Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 2715890.8/47

All: 0.002+/-0.000 χ^2/NDF: 8759901.9/99

- sign 0.002+/-0.000 χ^2/NDF: 5919581.6/51

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.008 χ^2/NDF: 28.1/22

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.7/28

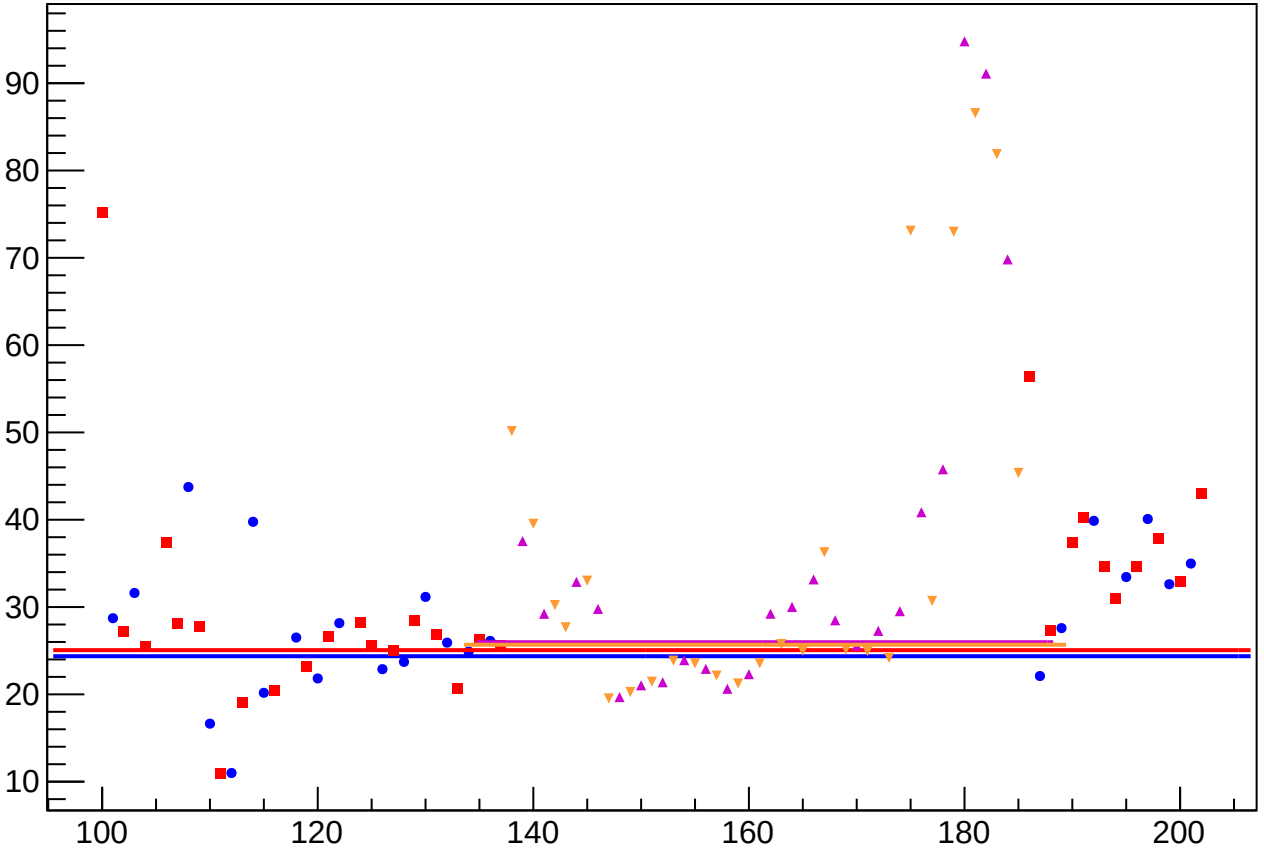
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.001+/-0.005 χ^2/NDF: 53.7/47

All: 0.000+/-0.003 χ^2/NDF: 120.7/99

- sign -0.000+/-0.005 χ^2/NDF: 67.0/51

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.366+/-0.005 χ^2/NDF: 2700644.8/22

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

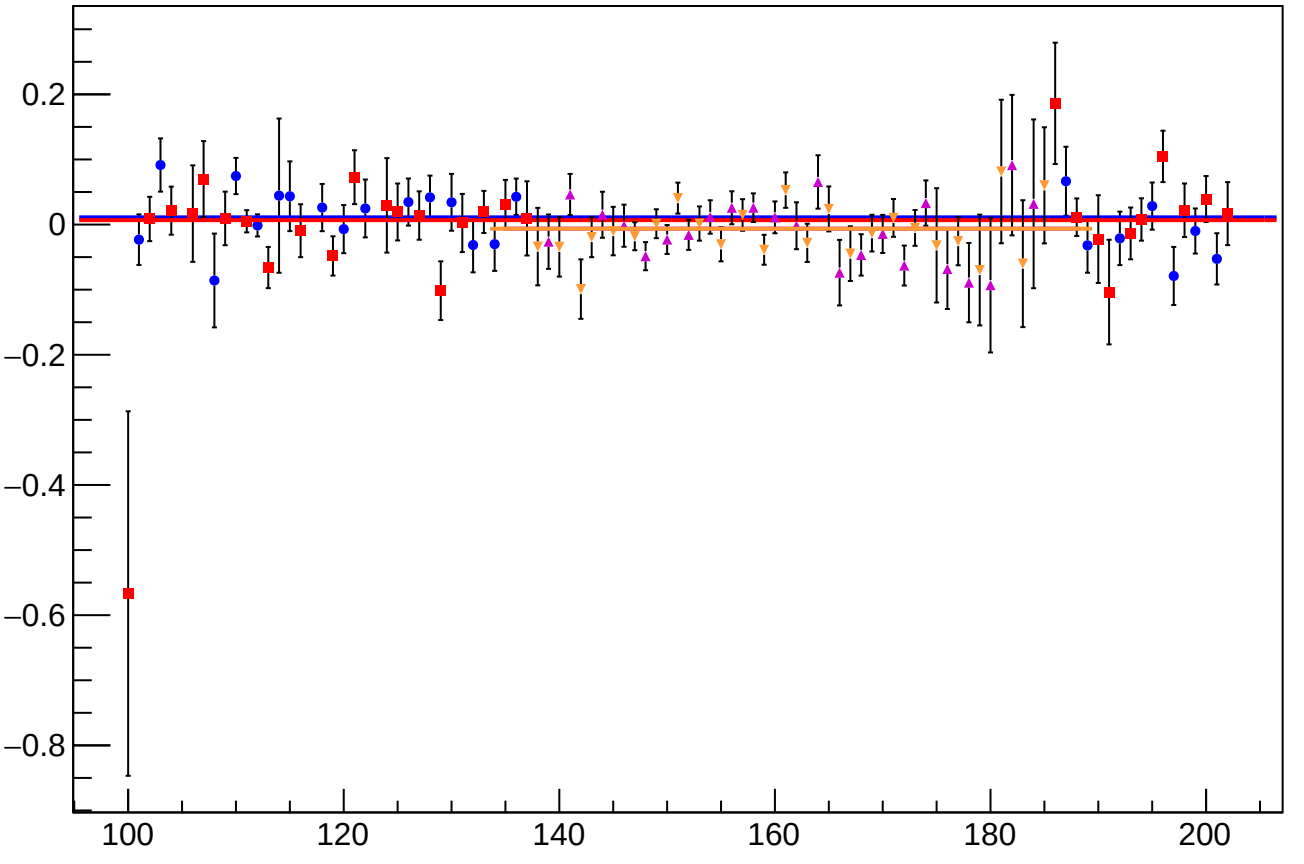
Right Out: 25.064+/-0.005 χ^2/NDF: 2932508.6/28

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.135+/-0.003 χ^2/NDF: 6607684.5/47

All: 25.344+/-0.002 χ^2/NDF: 12683202.2/99

- sign 25.552+/-0.003 χ^2/NDF: 6068159.7/51



Right In: 0.011+/-0.008 χ^2/NDF: 28.1/22

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

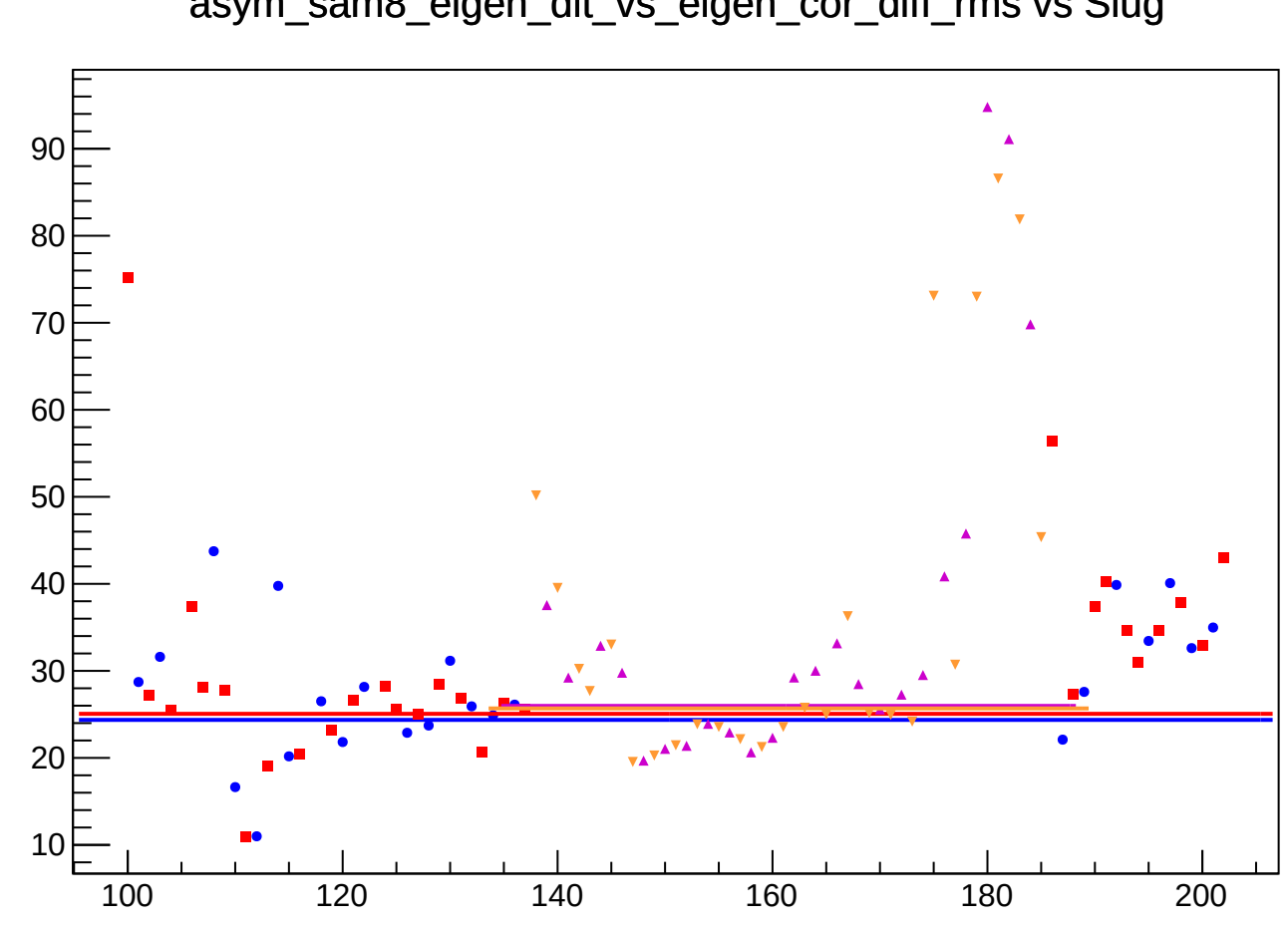
Right Out: 0.007+/-0.007 χ^2/NDF: 36.7/28

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.001+/-0.005 χ^2/NDF: 53.7/47

All: 0.000+/-0.003 χ^2/NDF: 120.7/99

- sign -0.000+/-0.005 χ^2/NDF: 67.0/51



Right In: 24.366+/-0.005 χ^2/NDF: 2700644.8/22

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

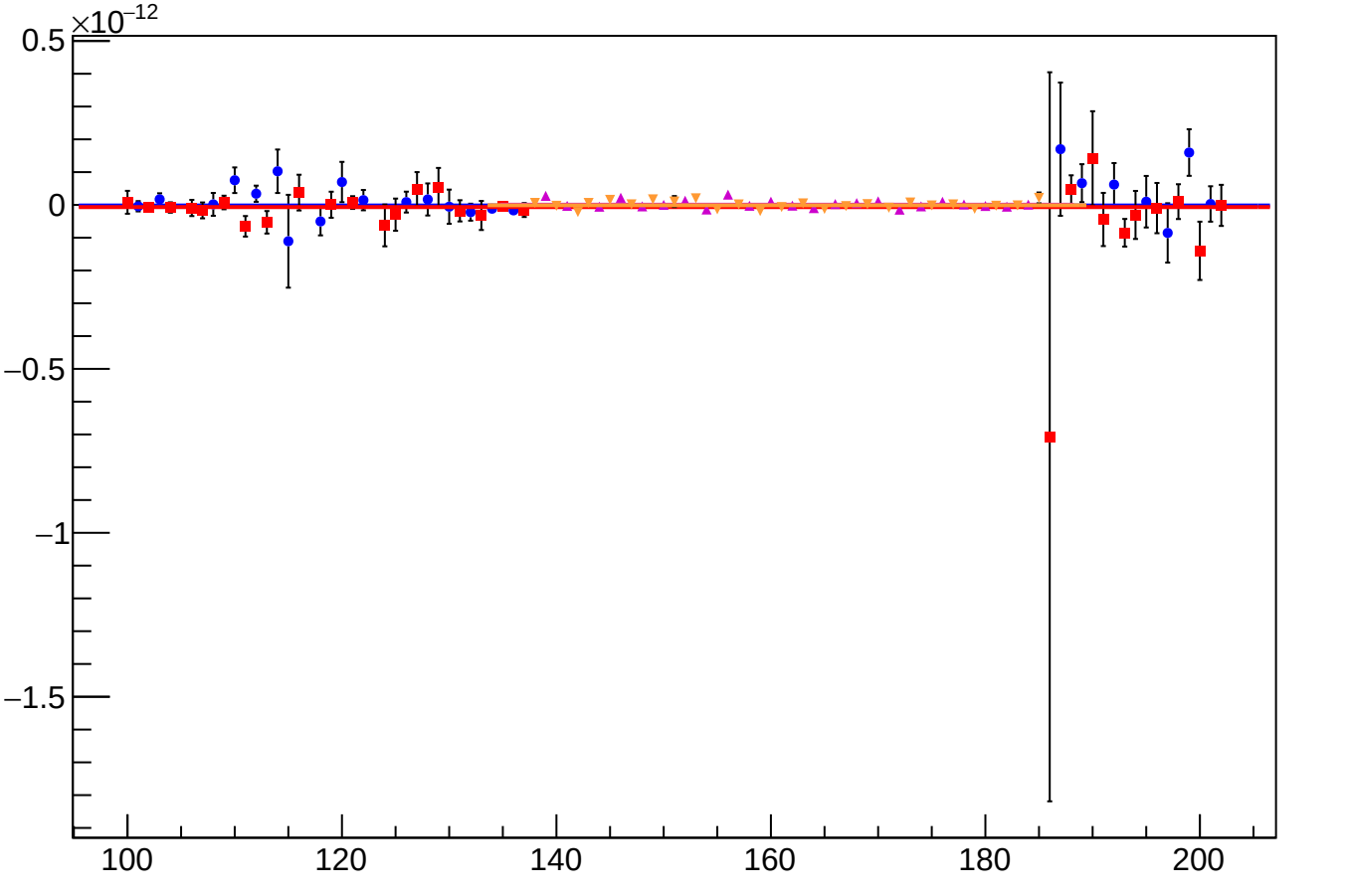
Right Out: 25.064+/-0.005 χ^2/NDF: 2932508.6/28

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.135+/-0.003 χ^2/NDF: 6607684.5/47

All: 25.344+/-0.002 χ^2/NDF: 12683202.2/99

- sign 25.552+/-0.003 χ^2/NDF: 6068159.7/51



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

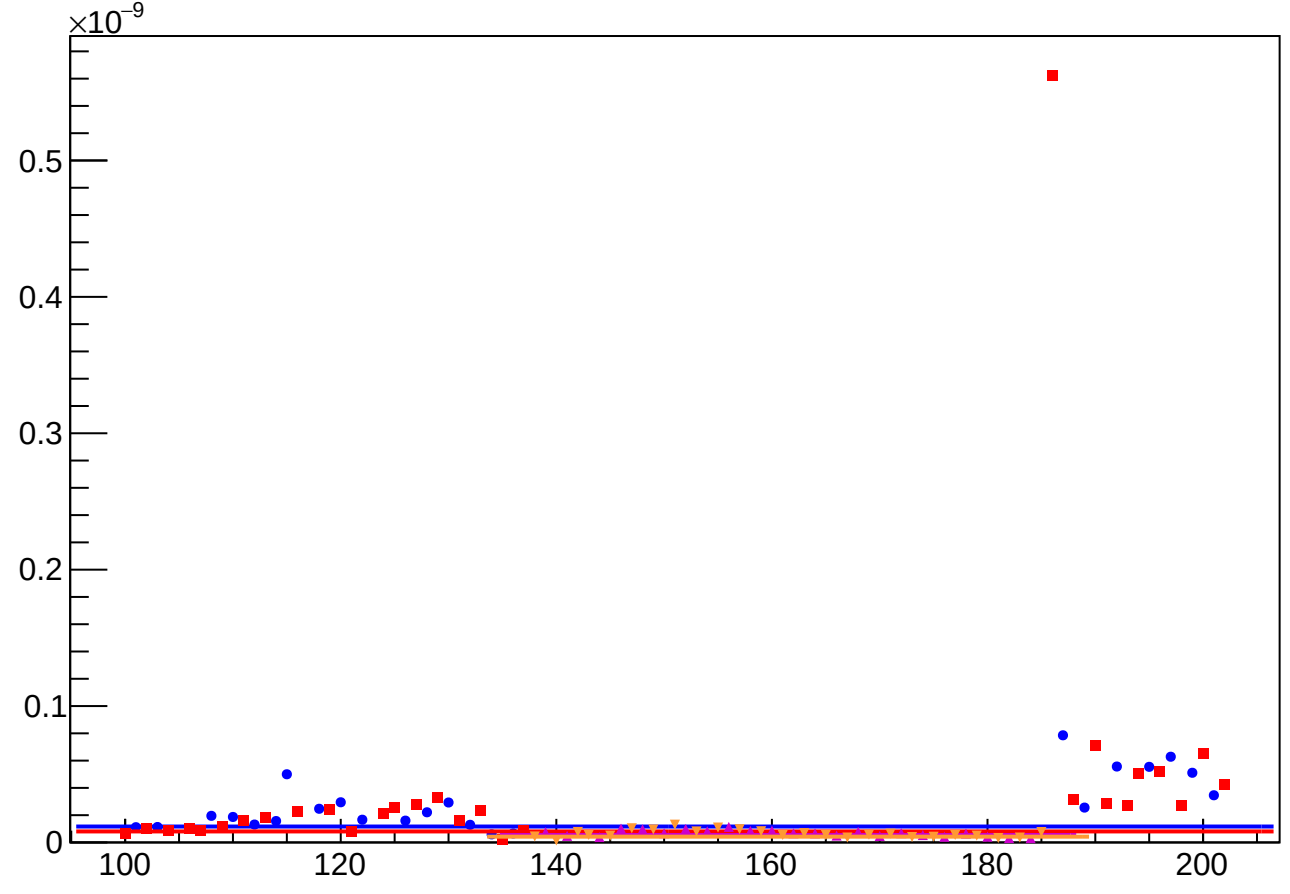
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/28

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.2/47

All: -0.000+/-0.000 χ^2/NDF: 107.7/99

- sign -0.000+/-0.000 χ^2/NDF: 52.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 5540953.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9184062.8/28

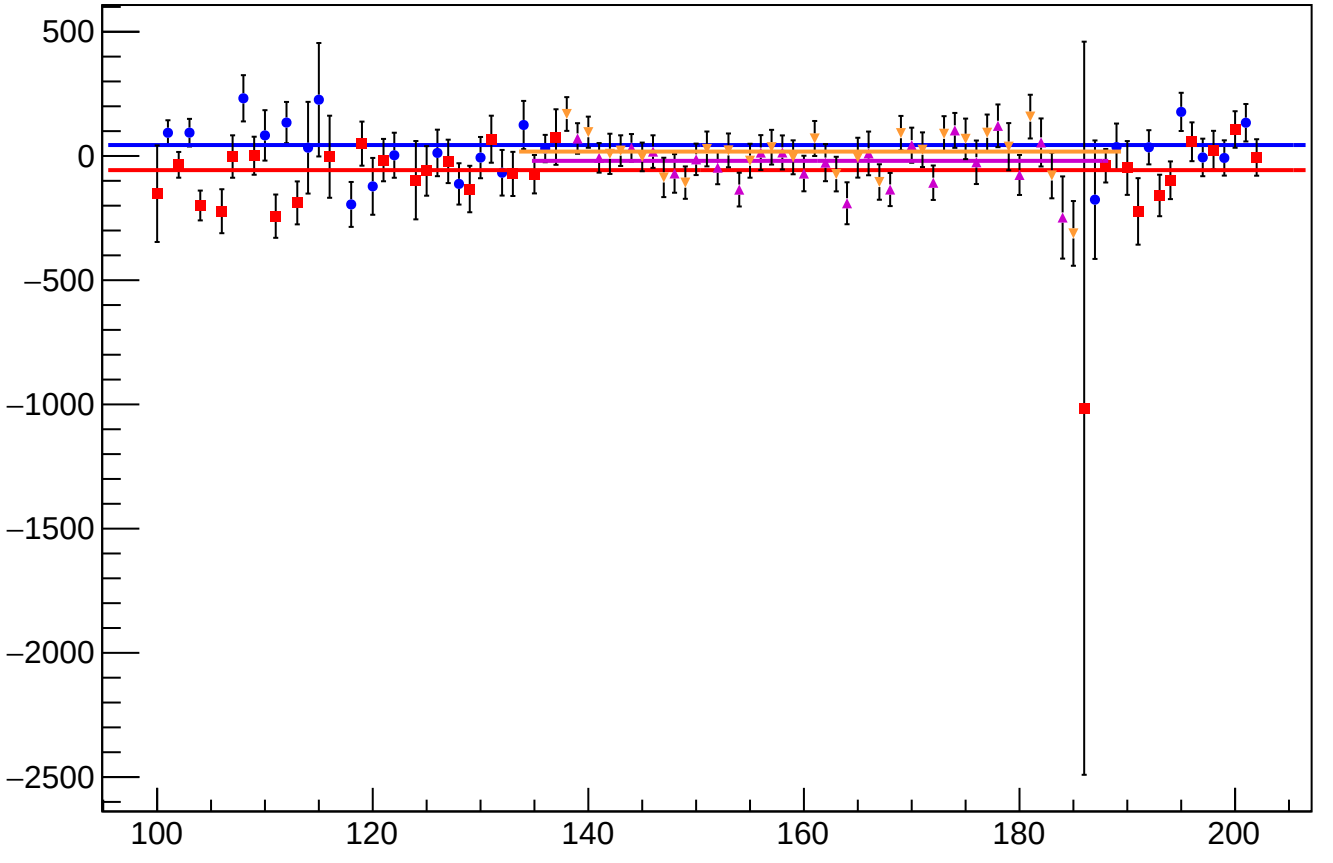
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14501298.7/47

All: 0.000+/-0.000 χ^2/NDF: 27715807.6/99

- sign 0.000+/-0.000 χ^2/NDF: 12658805.5/51

reg_asym_sam_15_avg_mean vs Slug



Right In: 44.048+/-17.003 χ^2/NDF: 29.6/22

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -56.915+/-15.949 χ^2/NDF: 35.7/28

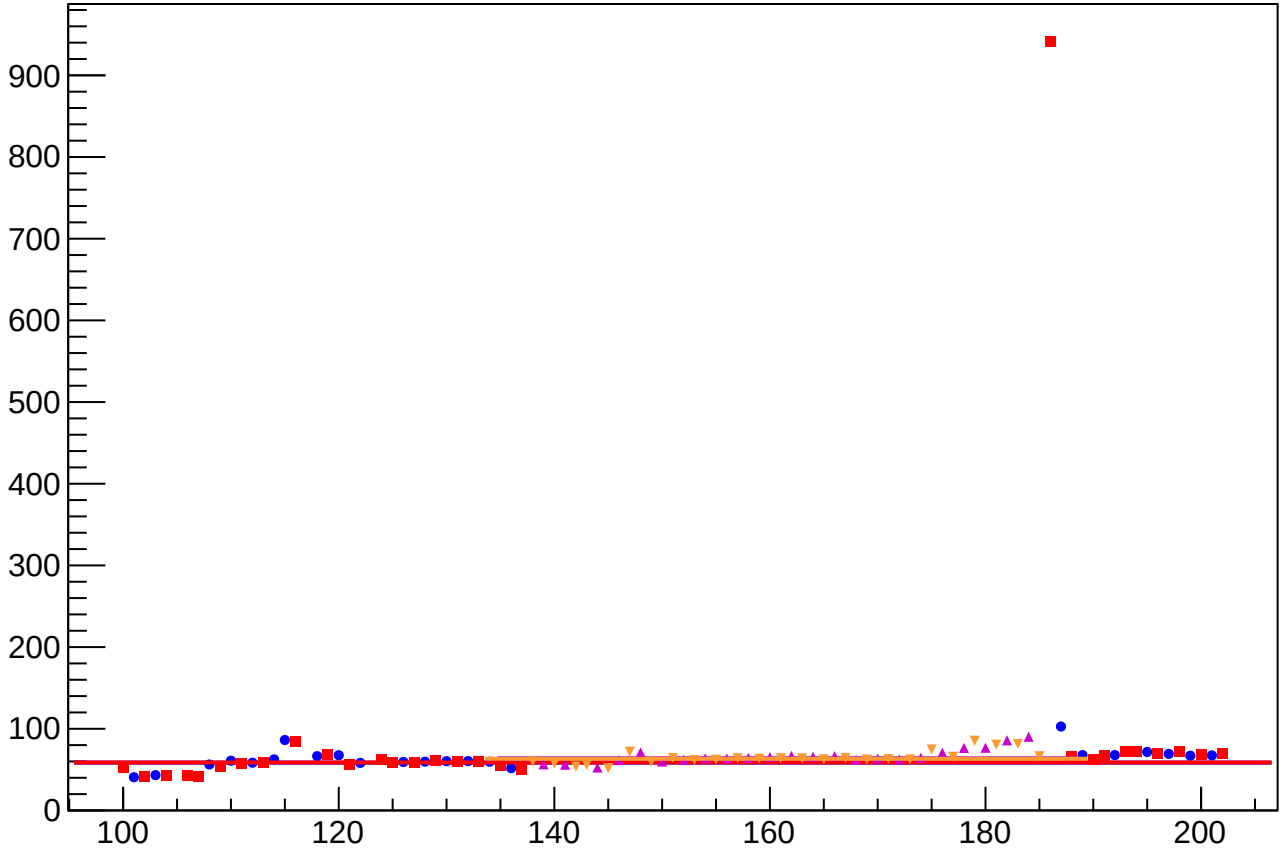
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.847+/-11.031 χ^2/NDF: 62.6/47

All: -4.435+/-7.768 χ^2/NDF: 145.5/99

- sign -37.186+/-10.942 χ^2/NDF: 64.8/51

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.538+/-0.012 χ^2/NDF: 774437.5/22

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.750+/-0.011 χ^2/NDF: 1646739.4/28

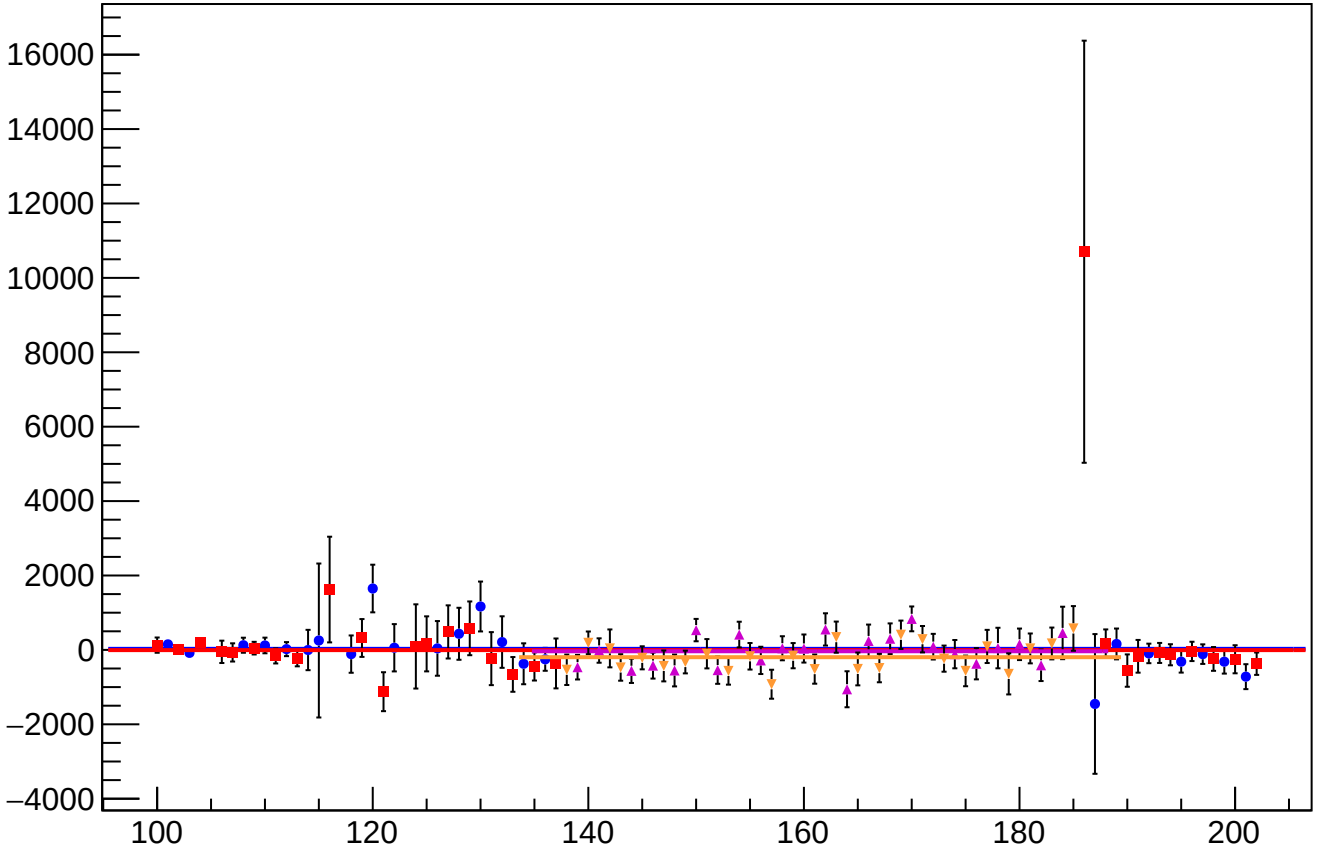
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.303+/-0.008 χ^2/NDF: 1363201.0/47

All: 61.395+/-0.005 χ^2/NDF: 3566691.6/99

\- sign 61.485+/-0.008 χ^2/NDF: 2203214.2/51

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 28.050+/-43.510 χ^2/NDF: 25.1/22

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -5.700+/-45.539 χ^2/NDF: 26.7/28

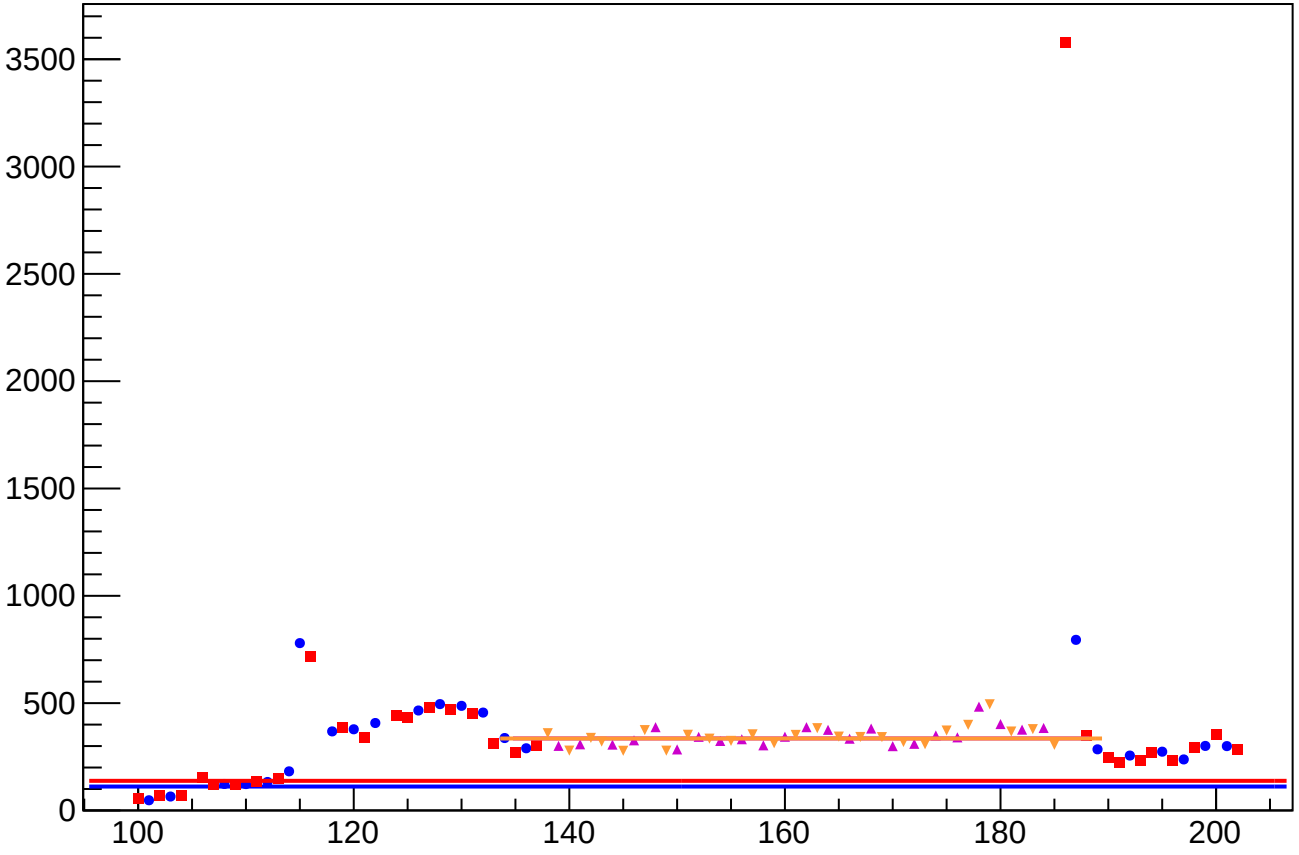
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -26.068+/-37.891 χ^2/NDF: 52.1/47

All: -19.961+/-27.337 χ^2/NDF: 110.1/99

- sign -13.331+/-39.479 χ^2/NDF: 57.9/51

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 111.408+/-0.031 χ^2/NDF: 10751526.3/22

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 138.010+/-0.032 χ^2/NDF: 10199728.5/28

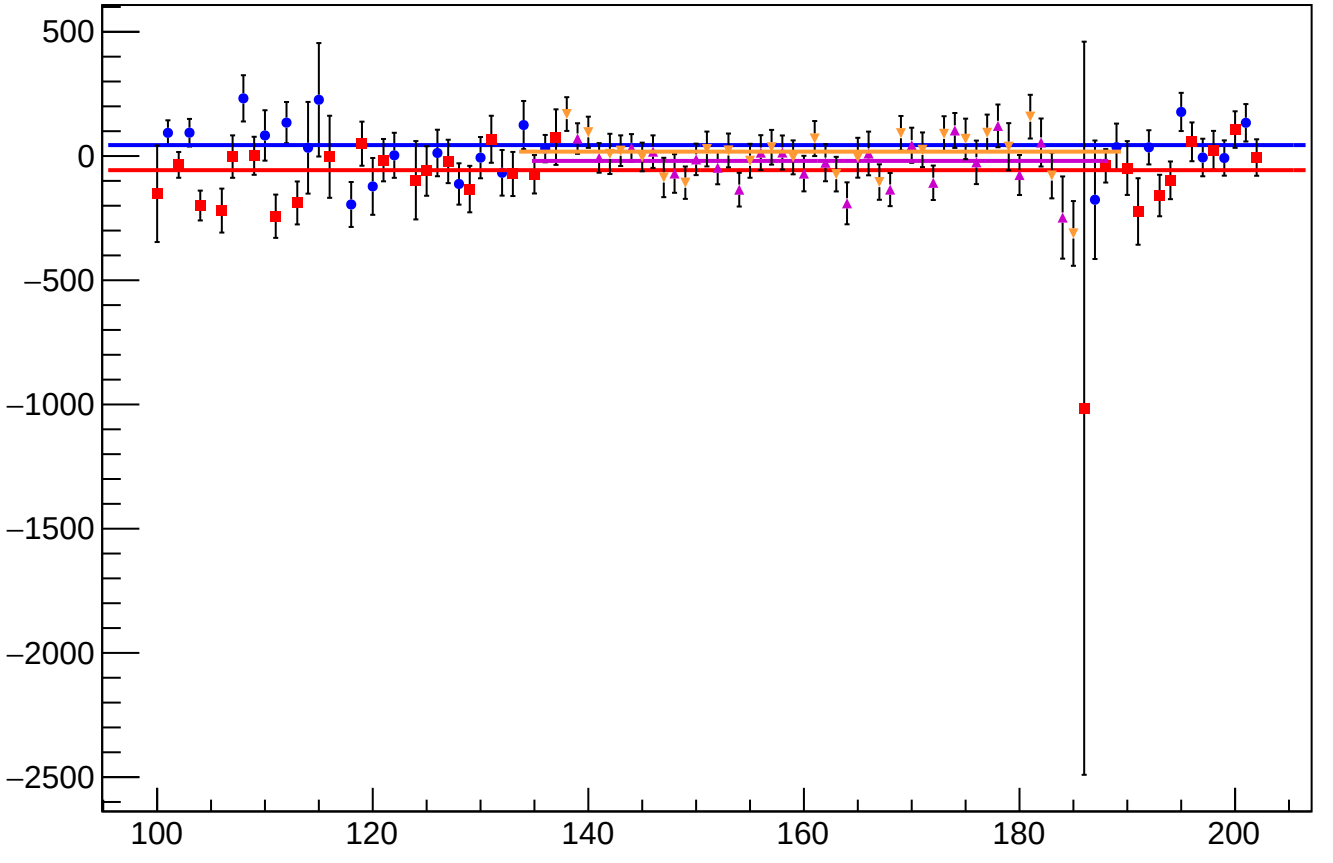
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 165.494+/-0.027 χ^2/NDF: 24106668.7/47

All: 175.842+/-0.019 χ^2/NDF: 44459278.0/99

- sign 187.076+/-0.028 χ^2/NDF: 20041483.1/51

cor_asym_sam_15_avg_mean vs Slug



Right In: 44.057+/-17.003 χ^2/NDF: 29.7/22

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -56.826+/-15.950 χ^2/NDF: 35.6/28

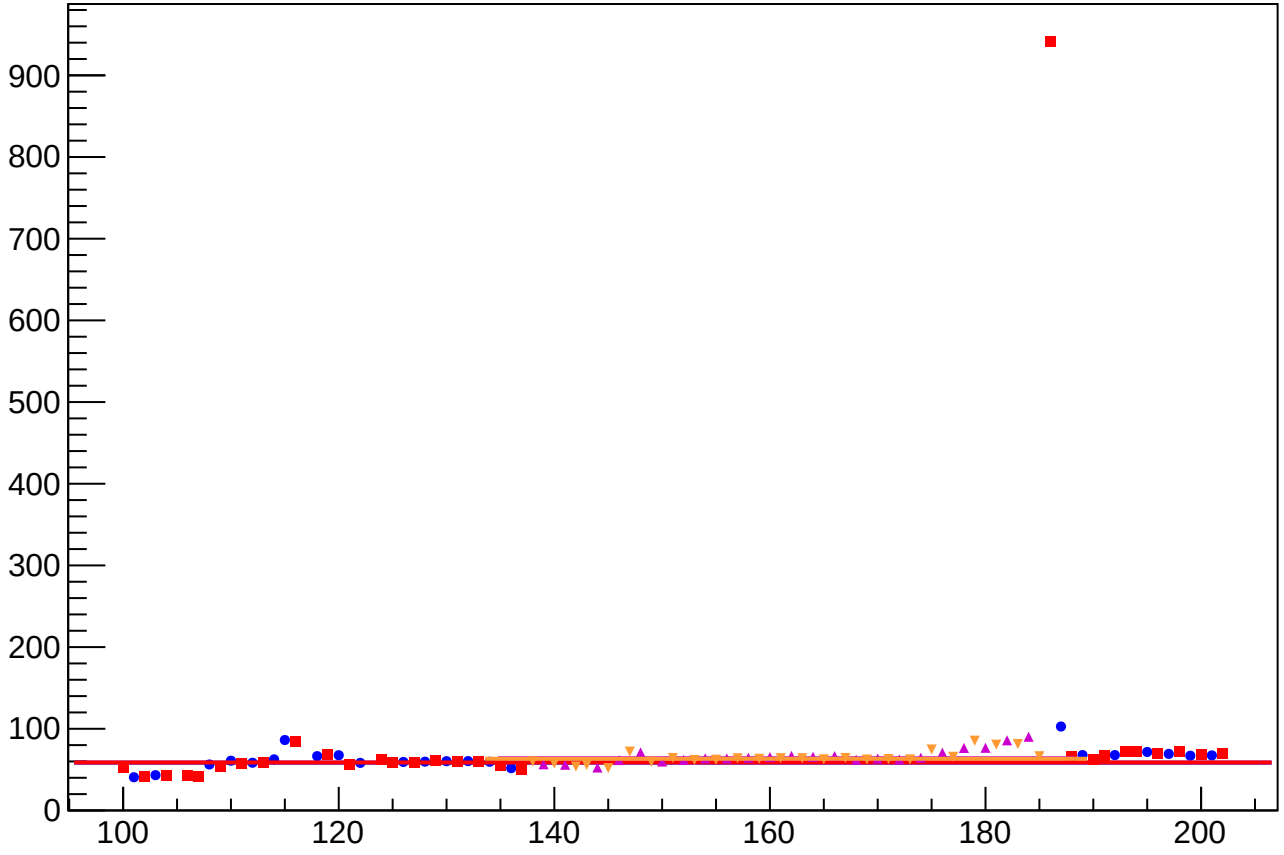
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.853+/-11.031 χ^2/NDF: 62.6/47

All: -4.410+/-7.769 χ^2/NDF: 145.3/99

- sign -37.143+/-10.943 χ^2/NDF: 64.7/51

cor_asym_sam_15_avg_rms vs Slug



Right In: 58.538+/-0.012 χ^2/NDF: 774436.6/22

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.749+/-0.011 χ^2/NDF: 1647156.4/28

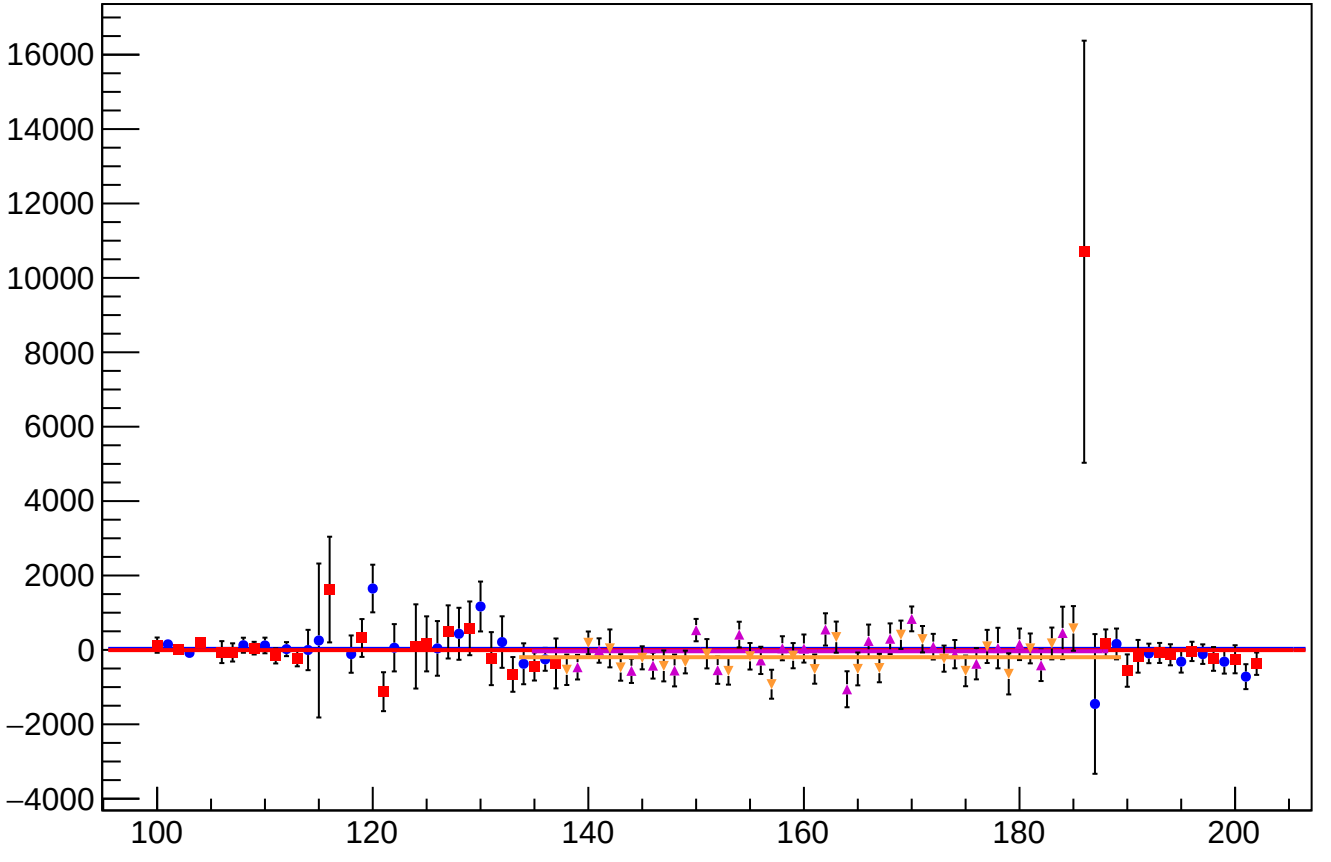
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.303+/-0.008 χ^2/NDF: 1363199.9/47

All: 61.395+/-0.005 χ^2/NDF: 3567140.9/99

- sign 61.485+/-0.008 χ^2/NDF: 2203665.5/51

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 28.055+/-43.509 χ^2/NDF: 25.1/22

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -6.018+/-45.507 χ^2/NDF: 26.7/28

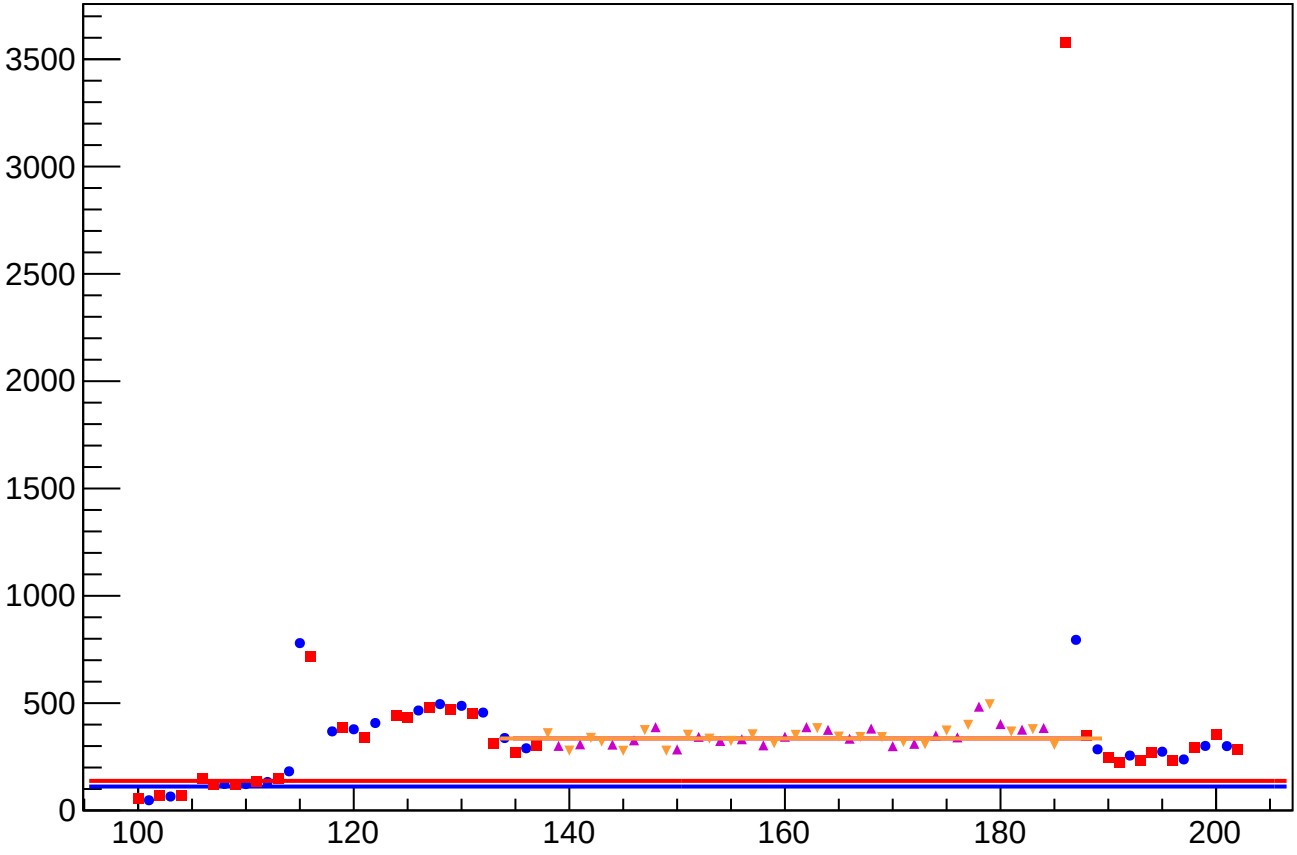
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -26.061+/-37.891 χ^2/NDF: 52.1/47

All: -20.064+/-27.330 χ^2/NDF: 110.1/99

- sign -13.561+/-39.459 χ^2/NDF: 57.9/51

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 111.405+/-0.031 χ^2/NDF: 10751737.5/22

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 137.822+/-0.032 χ^2/NDF: 10201293.9/28

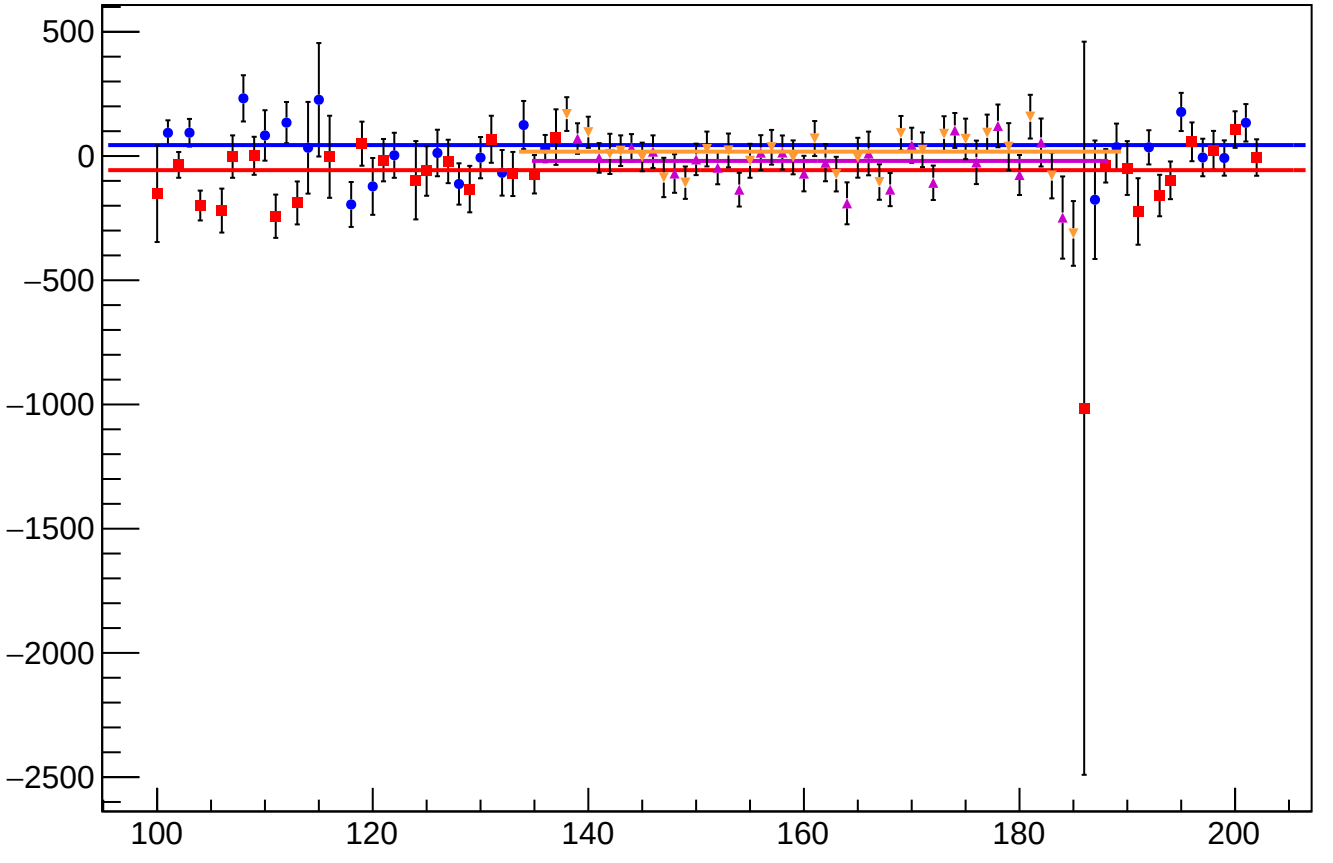
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 165.490+/-0.027 χ^2/NDF: 24107357.5/47

All: 175.753+/-0.019 χ^2/NDF: 44477308.7/99

- sign 186.884+/-0.028 χ^2/NDF: 20064071.3/51

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 44.057+/-17.003 χ^2/NDF: 29.7/22

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -56.826+/-15.950 χ^2/NDF: 35.6/28

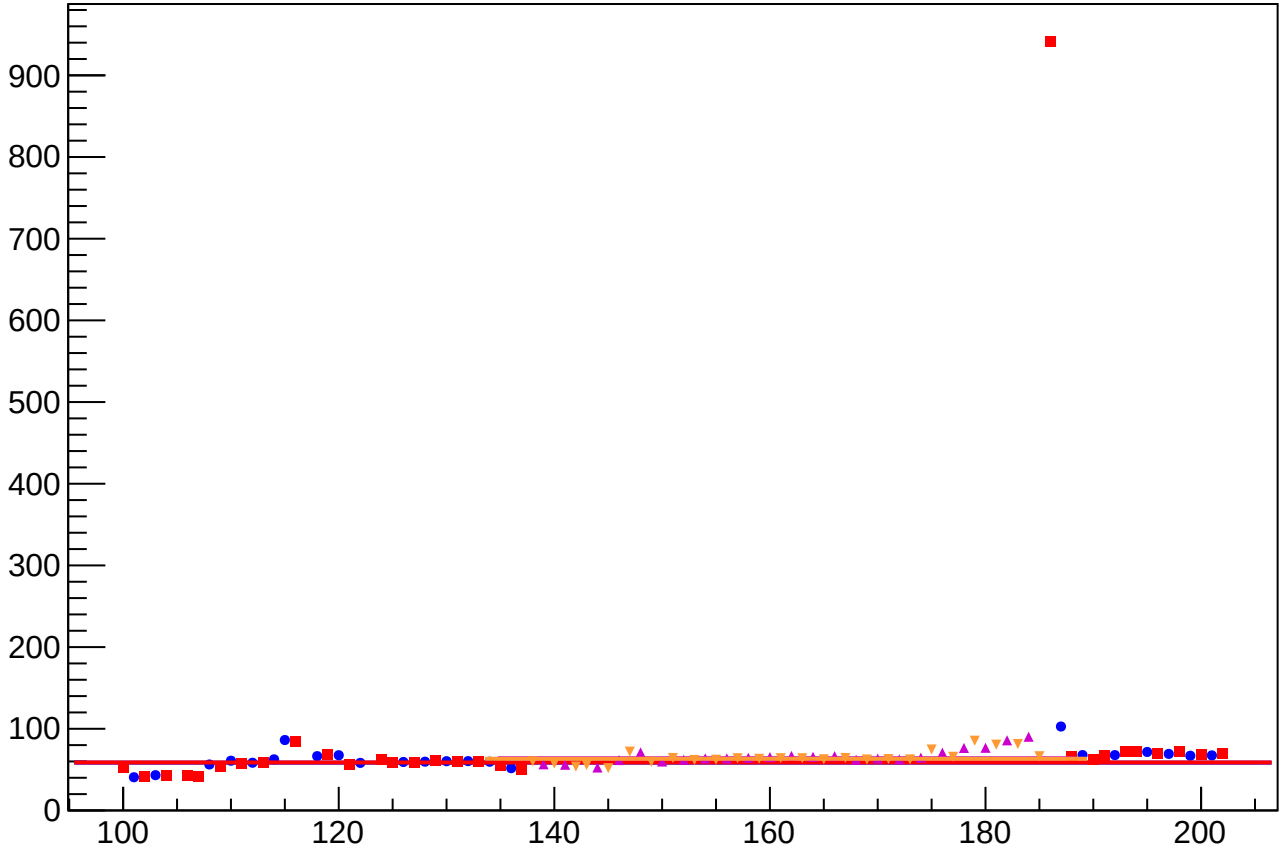
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.853+/-11.031 χ^2/NDF: 62.6/47

All: -4.410+/-7.769 χ^2/NDF: 145.3/99

- sign -37.143+/-10.943 χ^2/NDF: 64.7/51

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 58.538+/-0.012 χ^2/NDF: 774436.6/22

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

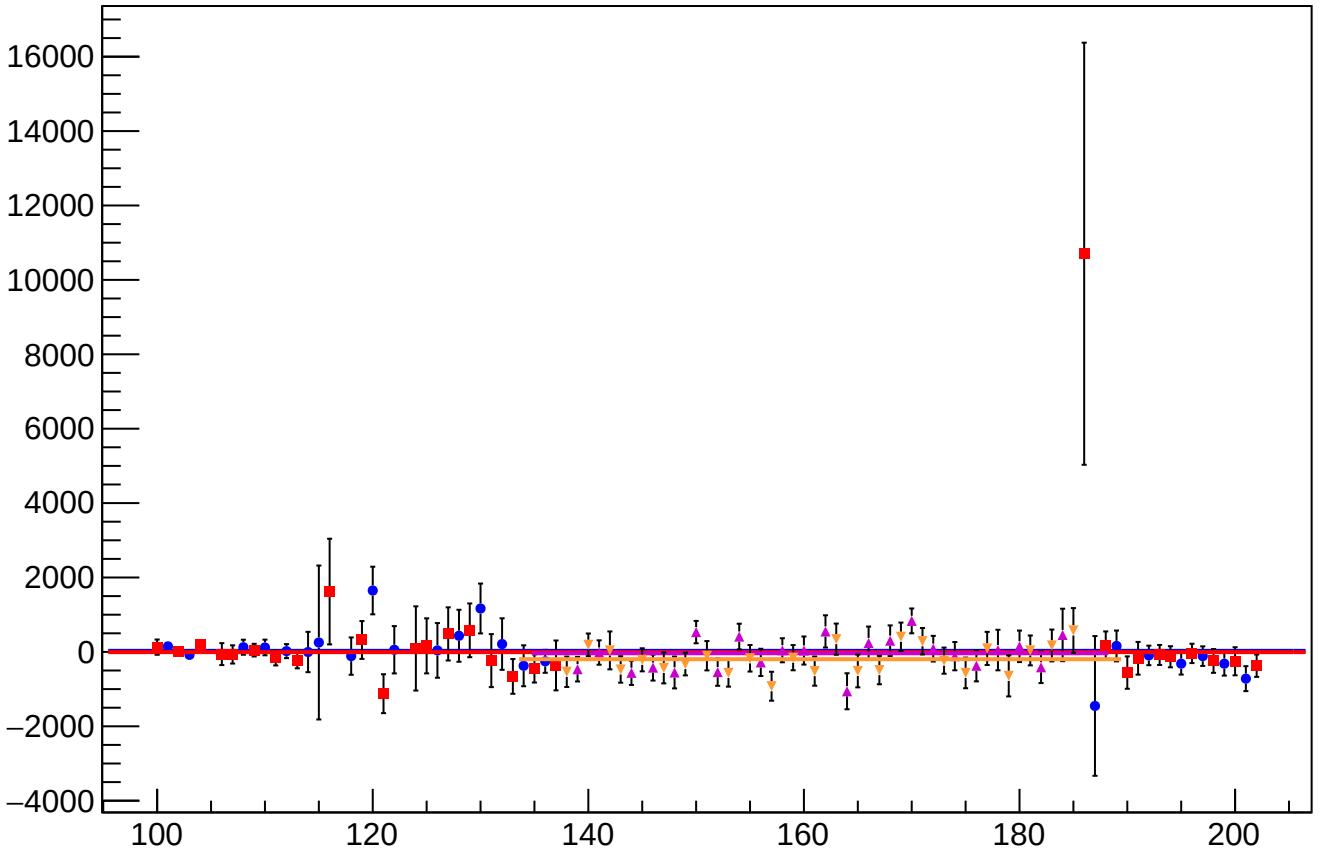
Right Out: 58.749+/-0.011 χ^2/NDF: 1647156.4/28

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.303+/-0.008 χ^2/NDF: 1363199.9/47

All: 61.395+/-0.005 χ^2/NDF: 3567140.9/99

- sign 61.485+/-0.008 χ^2/NDF: 2203665.5/51



Right In: 28.055+/-43.509 χ^2/NDF: 25.1/22

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -6.018+/-45.507 χ^2/NDF: 26.7/28

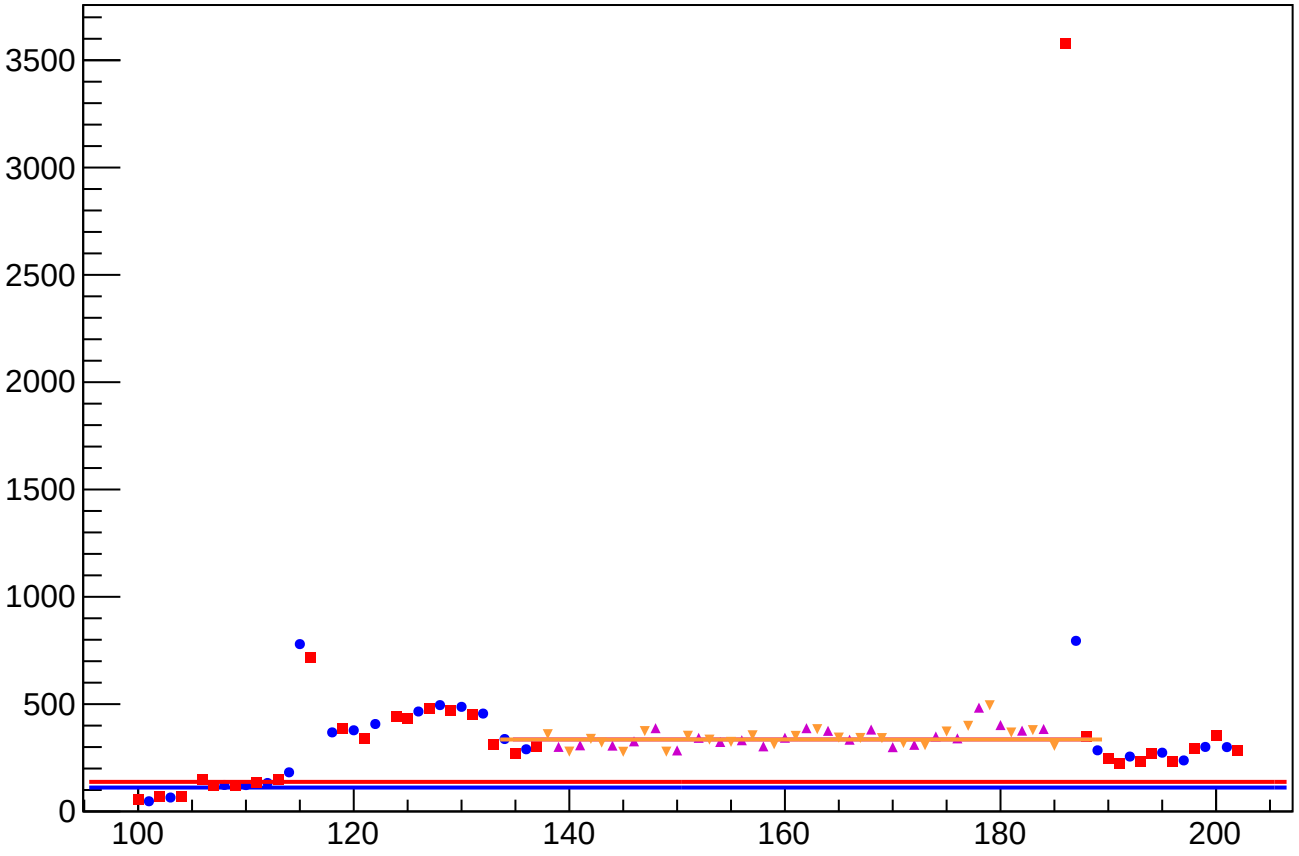
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -26.061+/-37.891 χ^2/NDF: 52.1/47

All: -20.064+/-27.330 χ^2/NDF: 110.1/99

- sign -13.561+/-39.459 χ^2/NDF: 57.9/51

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 111.405+/-0.031 χ^2/NDF: 10751737.5/22

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 137.822+/-0.032 χ^2/NDF: 10201293.9/28

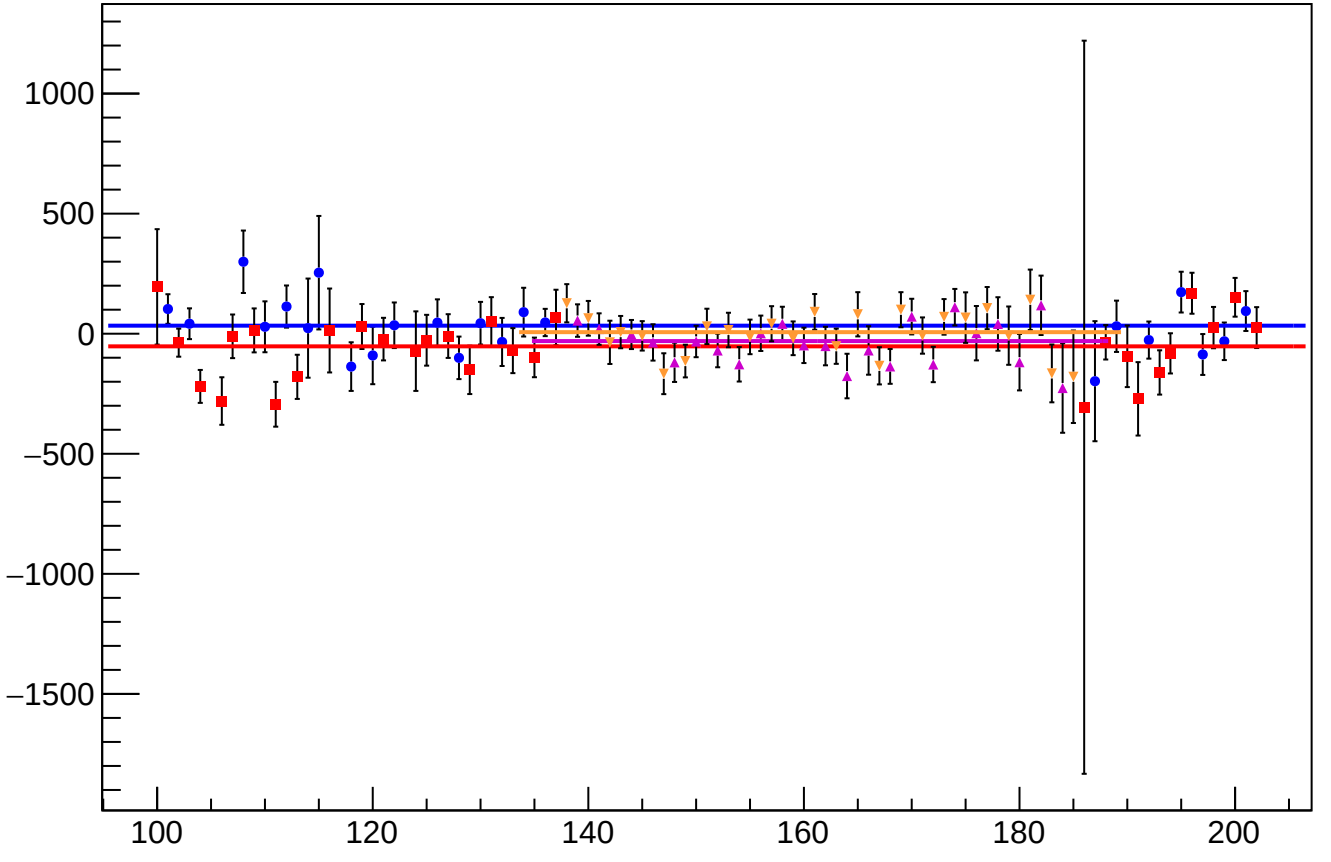
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 165.490+/-0.027 χ^2/NDF: 24107357.5/47

All: 175.753+/-0.019 χ^2/NDF: 44477308.7/99

- sign 186.884+/-0.028 χ^2/NDF: 20064071.3/51

dit_asym_sam_15_avg_mean vs Slug



Right In: 33.460+/-18.799 χ^2/NDF: 21.6/22

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -52.651+/-17.487 χ^2/NDF: 44.9/28

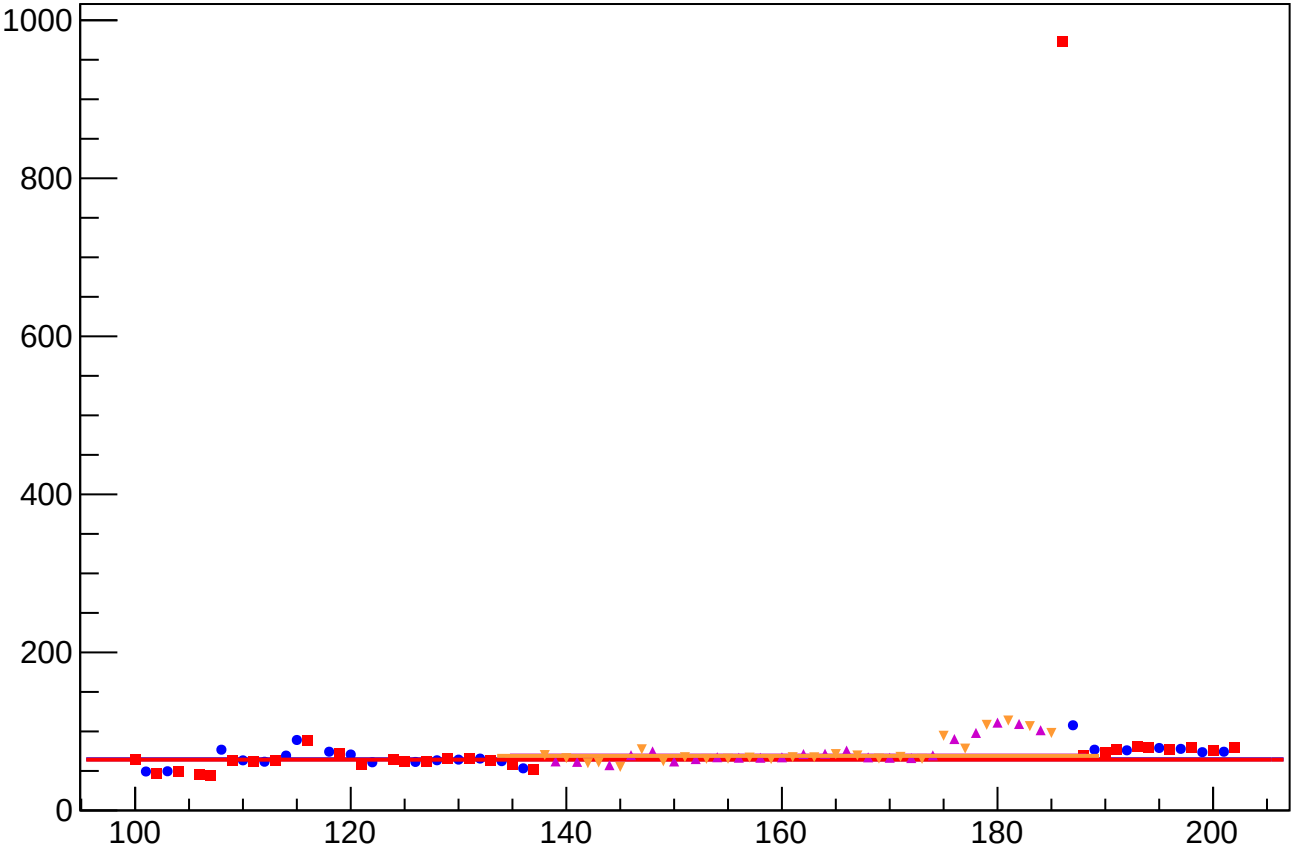
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.789+/-12.174 χ^2/NDF: 47.9/47

All: -12.035+/-8.547 χ^2/NDF: 127.9/99

- sign -41.020+/-12.002 χ^2/NDF: 68.2/51

dit_asym_sam_15_avg_rms vs Slug



Right In: 64.747+/-0.013 χ^2/NDF: 678246.9/22

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.281+/-0.012 χ^2/NDF: 1632996.3/28

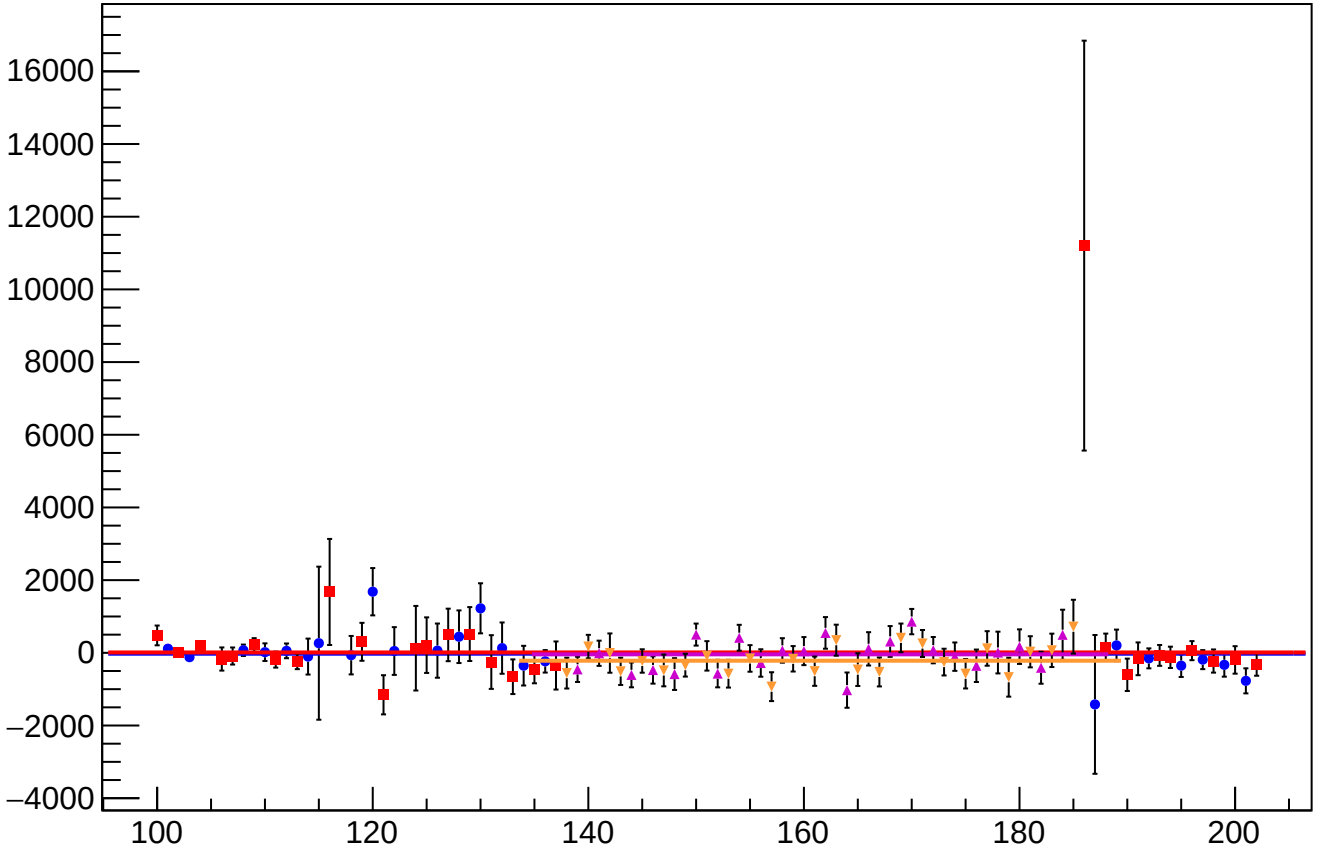
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.262+/-0.009 χ^2/NDF: 1813887.7/47

All: 67.133+/-0.006 χ^2/NDF: 4463869.5/99

- sign 67.008+/-0.008 χ^2/NDF: 2649539.4/51

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -24.511+/-49.395 χ^2/NDF: 23.4/22

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 10.455+/-47.898 χ^2/NDF: 30.3/28

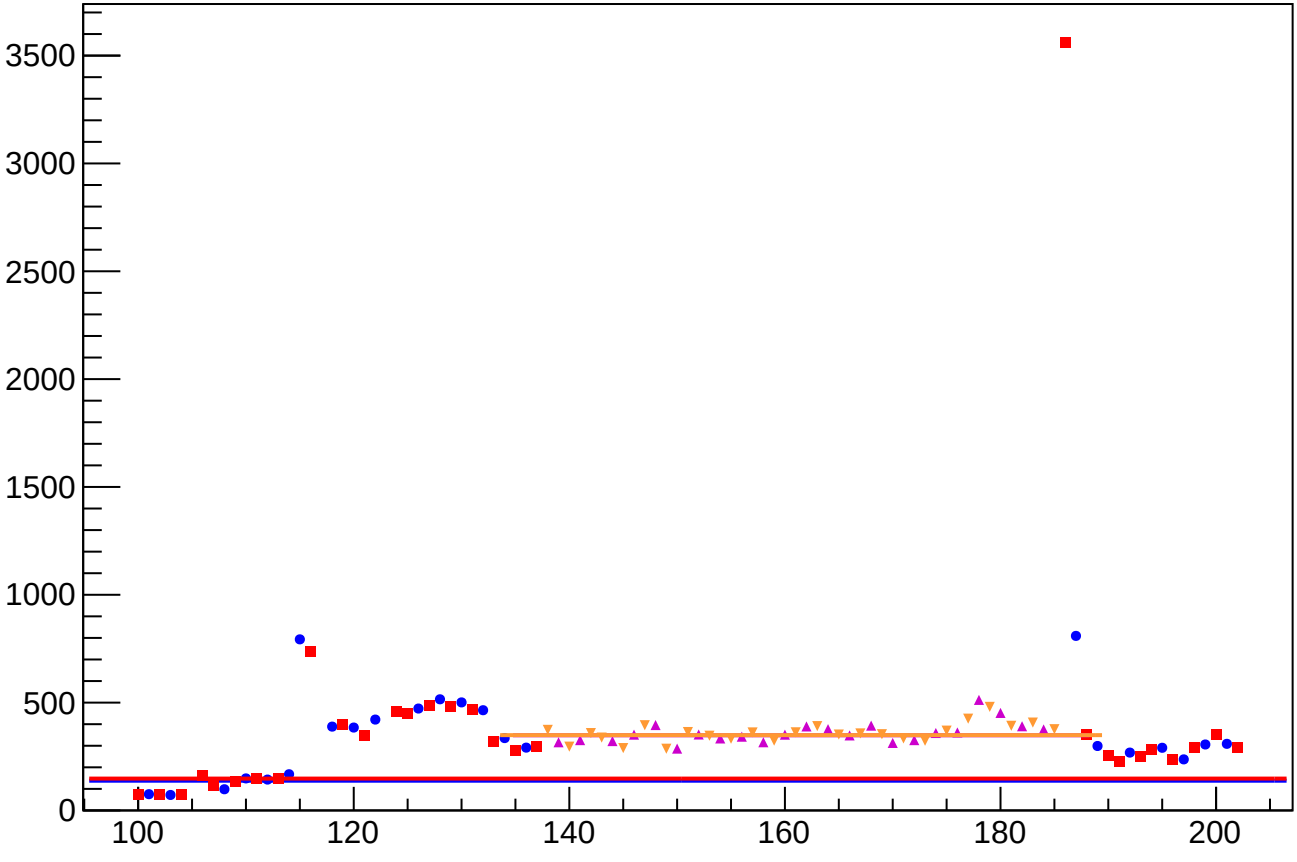
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

\+ sign -77.607+/-42.048 χ^2/NDF: 47.0/47

All: -39.567+/-29.498 χ^2/NDF: 109.2/99

\- sign -2.704+/-41.392 χ^2/NDF: 60.6/51

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 137.957+/-0.035 χ^2/NDF: 8808029.4/22

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 147.761+/-0.034 χ^2/NDF: 9675722.5/28

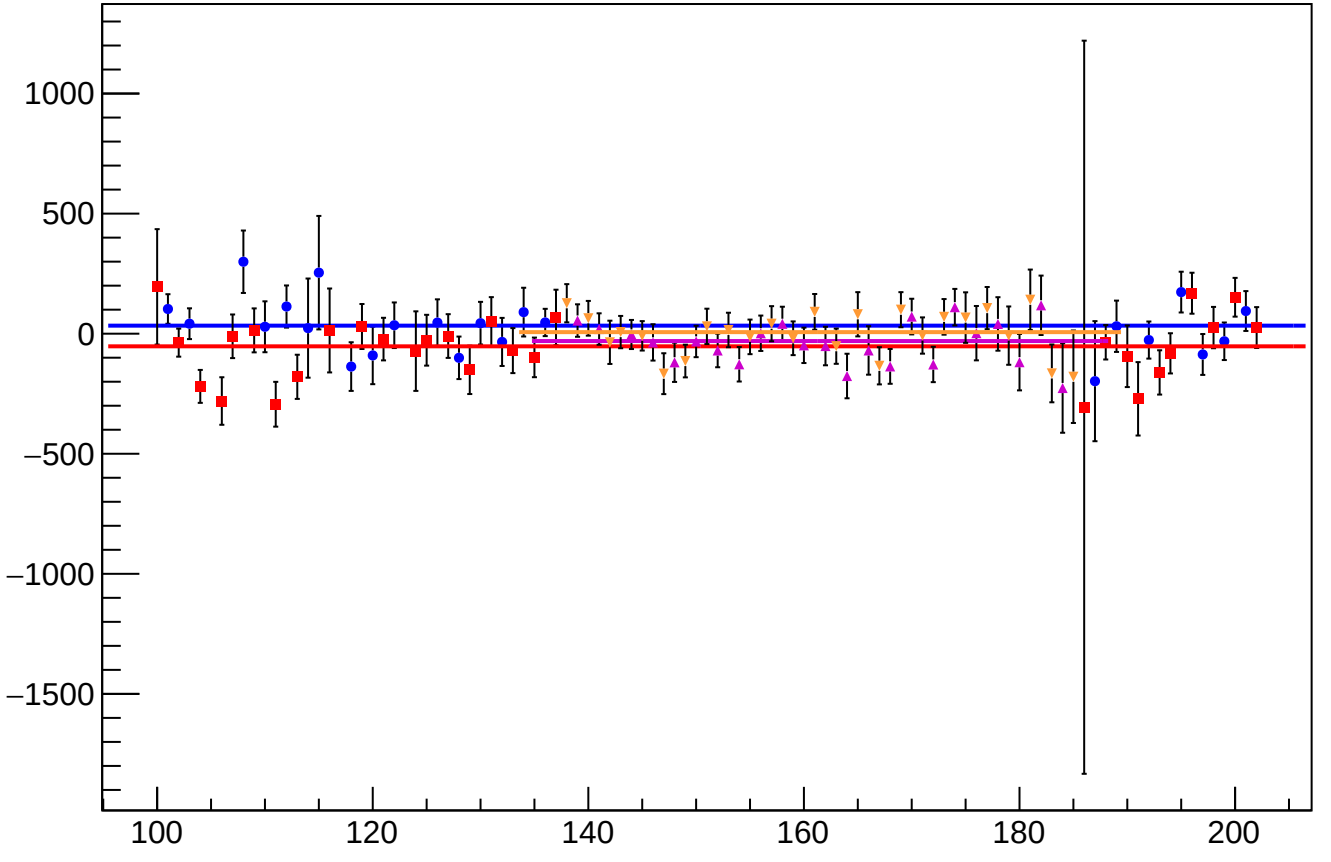
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 196.114+/-0.030 χ^2/NDF: 19401597.2/47

All: 197.381+/-0.021 χ^2/NDF: 38506969.9/99

- sign 198.608+/-0.029 χ^2/NDF: 19101801.6/51

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 33.460+/-18.799 χ^2/NDF: 21.6/22

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -52.650+/-17.487 χ^2/NDF: 44.9/28

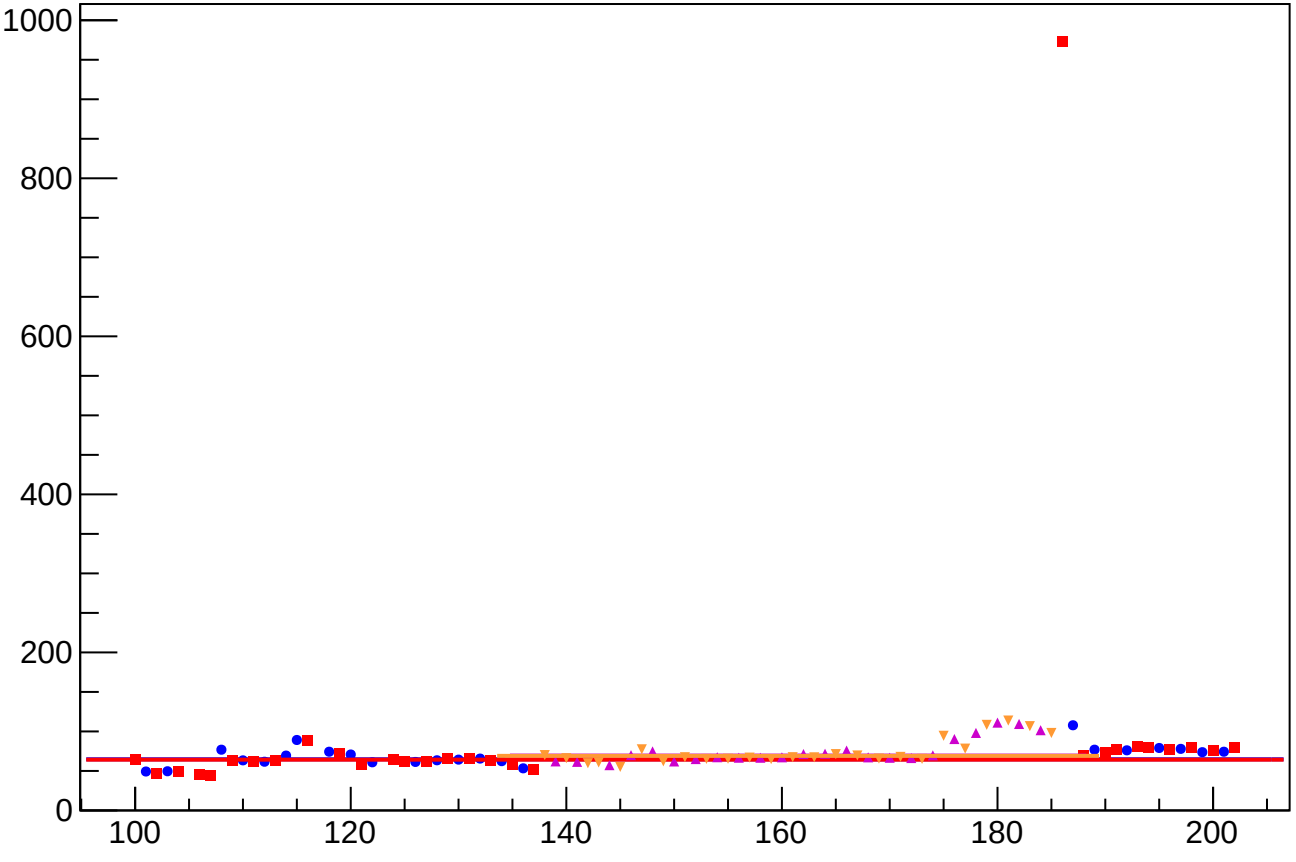
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.789+/-12.174 χ^2/NDF: 47.9/47

All: -12.035+/-8.547 χ^2/NDF: 127.9/99

- sign -41.020+/-12.002 χ^2/NDF: 68.2/51

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 64.747+/-0.013 χ^2/NDF: 678246.9/22

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

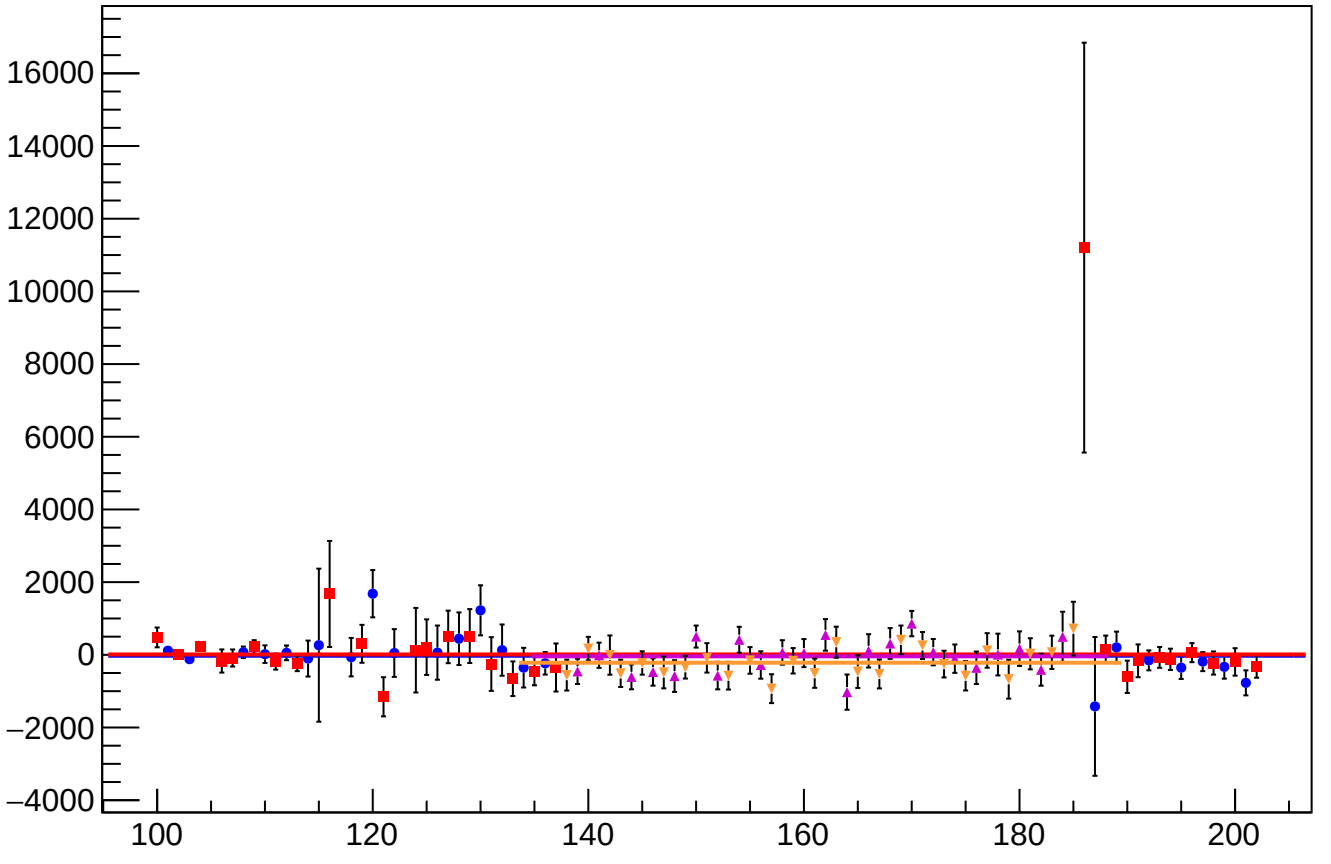
Right Out: 64.281+/-0.012 χ^2/NDF: 1632996.4/28

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.262+/-0.009 χ^2/NDF: 1813874.5/47

All: 67.133+/-0.006 χ^2/NDF: 4463848.0/99

- sign 67.008+/-0.008 χ^2/NDF: 2649531.1/51



Right In: -24.511+/-49.395 χ^2/NDF: 23.4/22

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 10.455+/-47.898 χ^2/NDF: 30.3/28

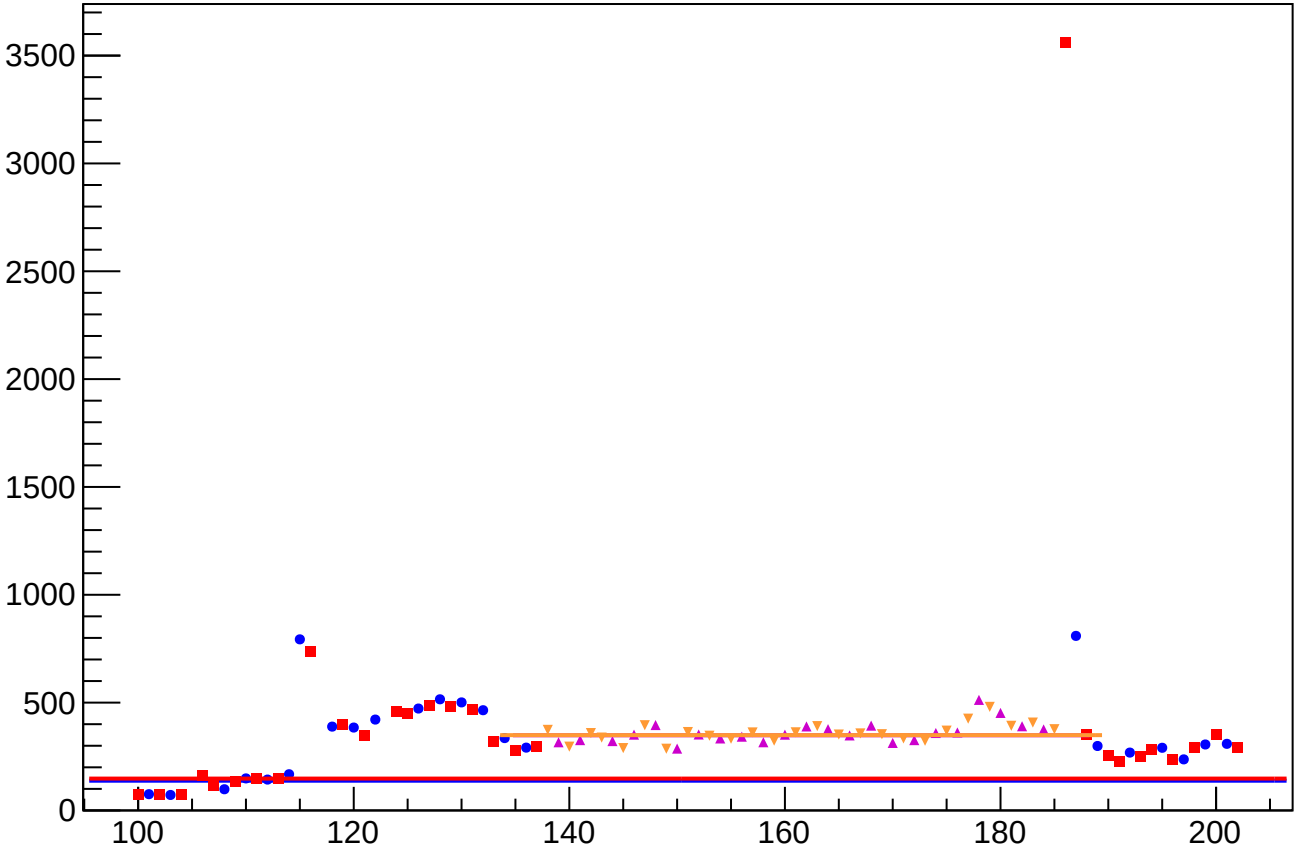
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -77.607+/-42.048 χ^2/NDF: 47.0/47

All: -39.566+/-29.498 χ^2/NDF: 109.2/99

- sign -2.704+/-41.392 χ^2/NDF: 60.6/51

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 137.957+/-0.035 χ^2/NDF: 8808042.4/22

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 147.761+/-0.034 χ^2/NDF: 9675765.3/28

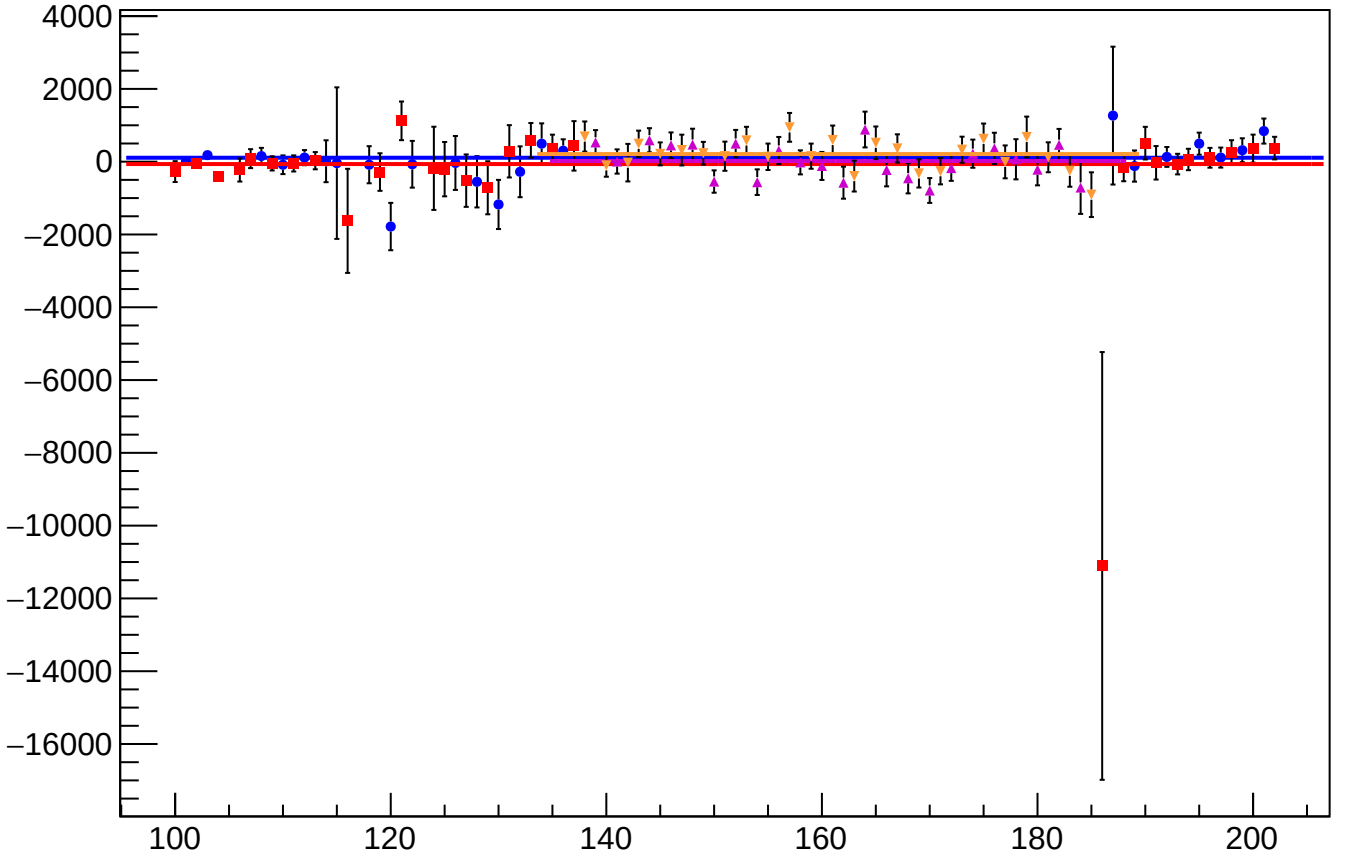
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 196.114+/-0.030 χ^2/NDF: 19401667.9/47

All: 197.380+/-0.021 χ^2/NDF: 38507154.4/99

- sign 198.607+/-0.029 χ^2/NDF: 19101915.8/51

asym_sam_15_avg_mean vs Slug



Right In: 108.653+/-53.709 χ^2/NDF: 23.5/22

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -65.114+/-51.390 χ^2/NDF: 32.0/28

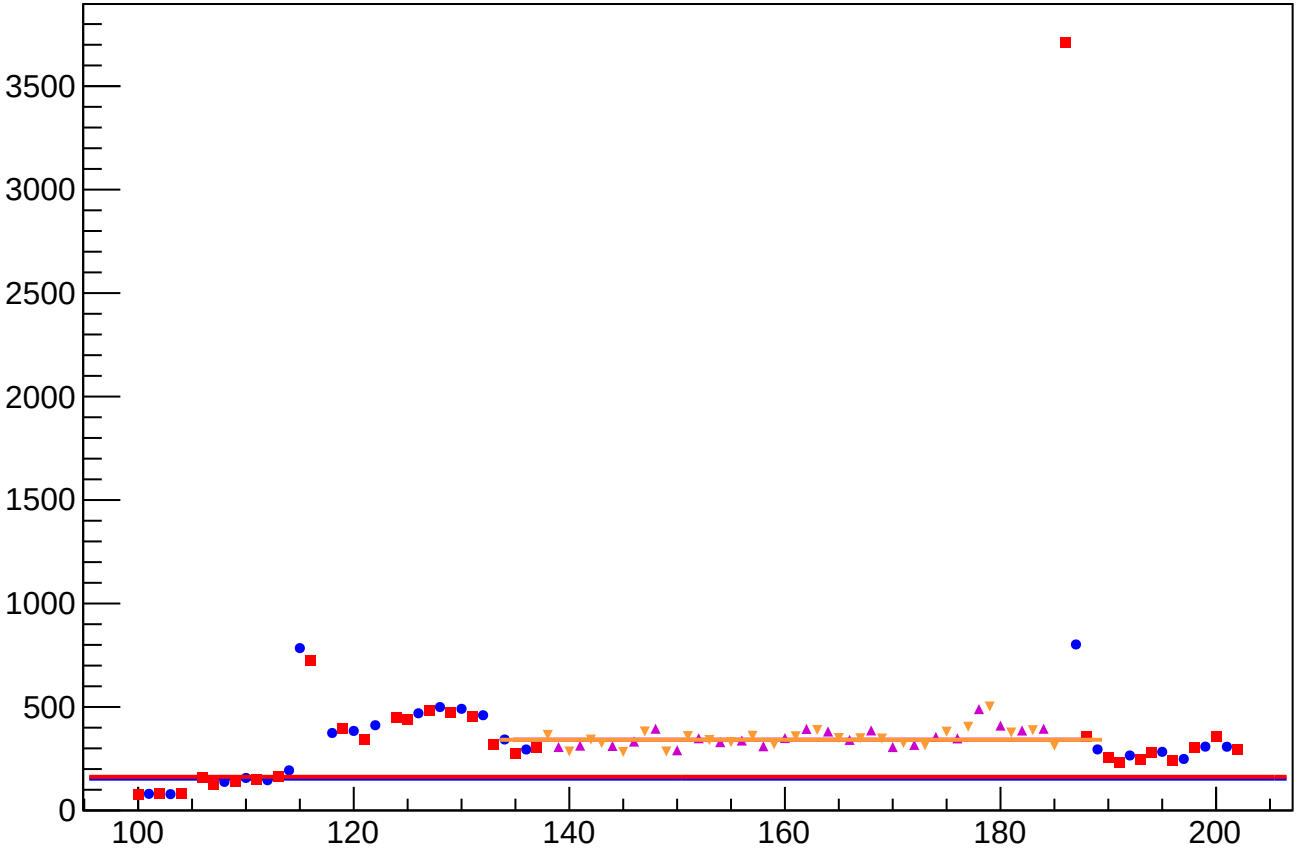
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 140.904+/-44.329 χ^2/NDF: 46.0/47

All: 47.955+/-30.992 χ^2/NDF: 119.4/99

- sign -40.921+/-43.347 χ^2/NDF: 64.8/51

asym_sam_15_avg_rms vs Slug



Right In: 153.689+/-0.038 χ^2/NDF: 7893966.5/22

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

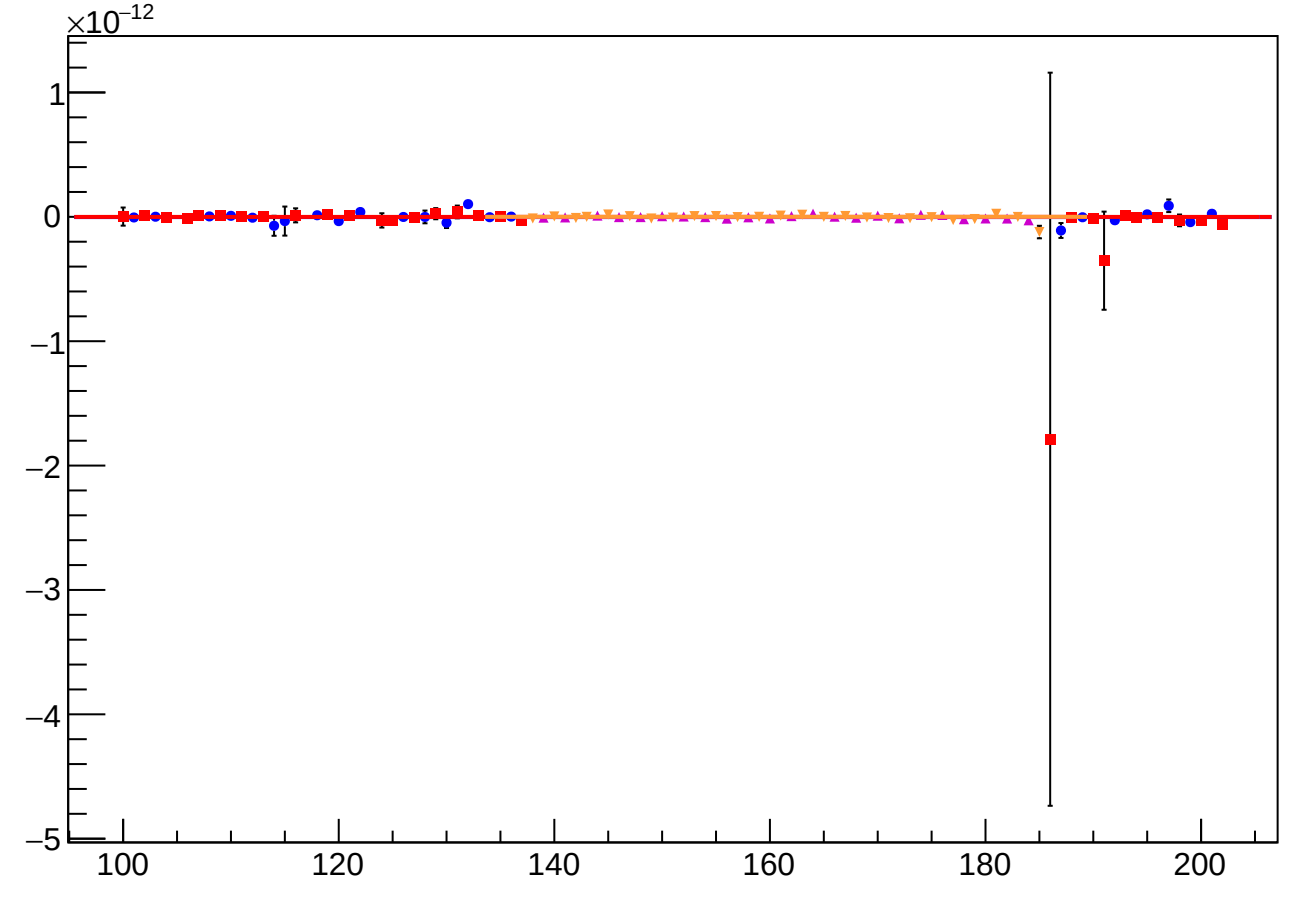
Right Out: 162.686+/-0.036 χ^2/NDF: 8596032.5/28

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 213.589+/-0.031 χ^2/NDF: 16251505.8/47

All: 214.006+/-0.022 χ^2/NDF: 32354465.4/99

- sign 214.406+/-0.031 χ^2/NDF: 16102612.8/51



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/28

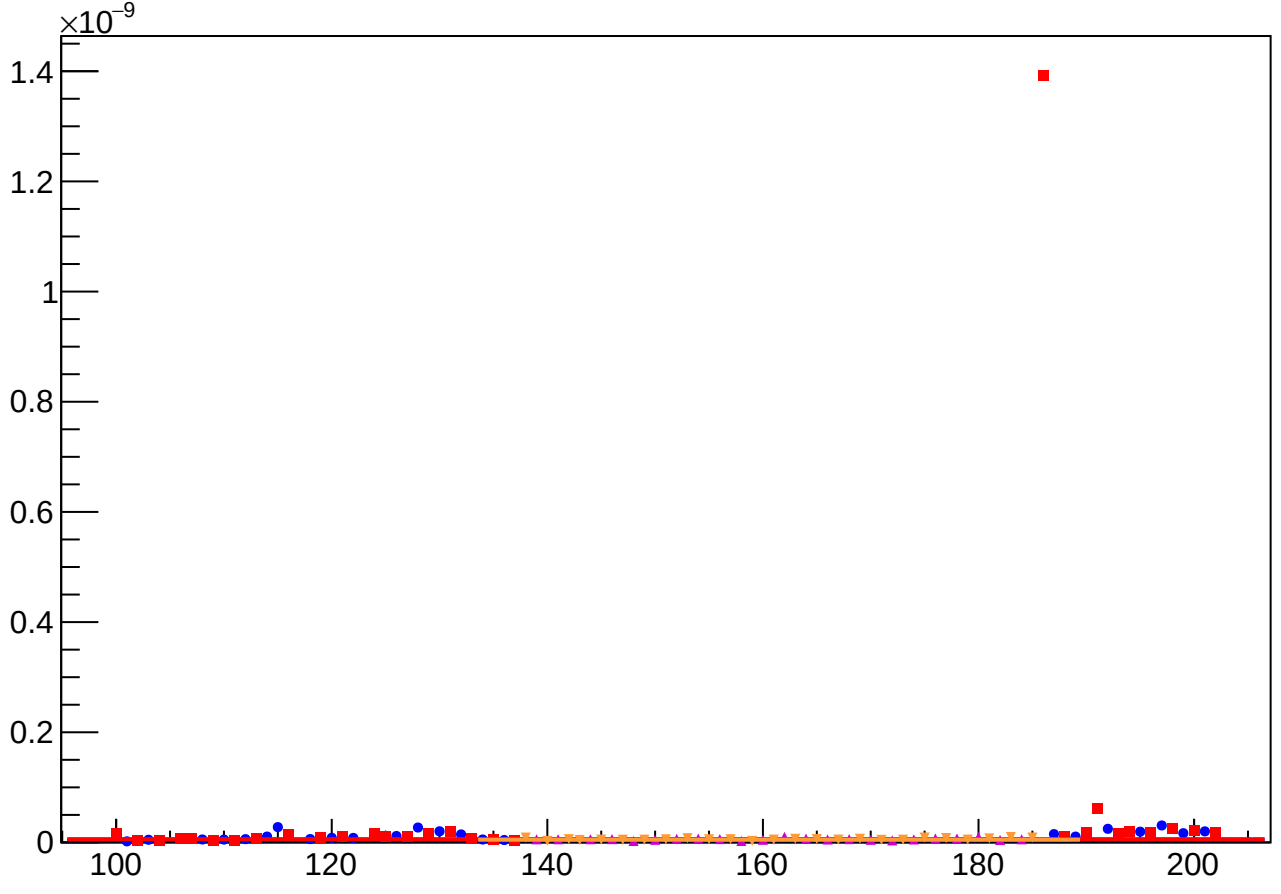
Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.1/47

All: -0.000+/-0.000 χ^2/NDF: 95.2/99

- sign -0.000+/-0.000 χ^2/NDF: 38.0/51

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4985543.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4389815.3/28

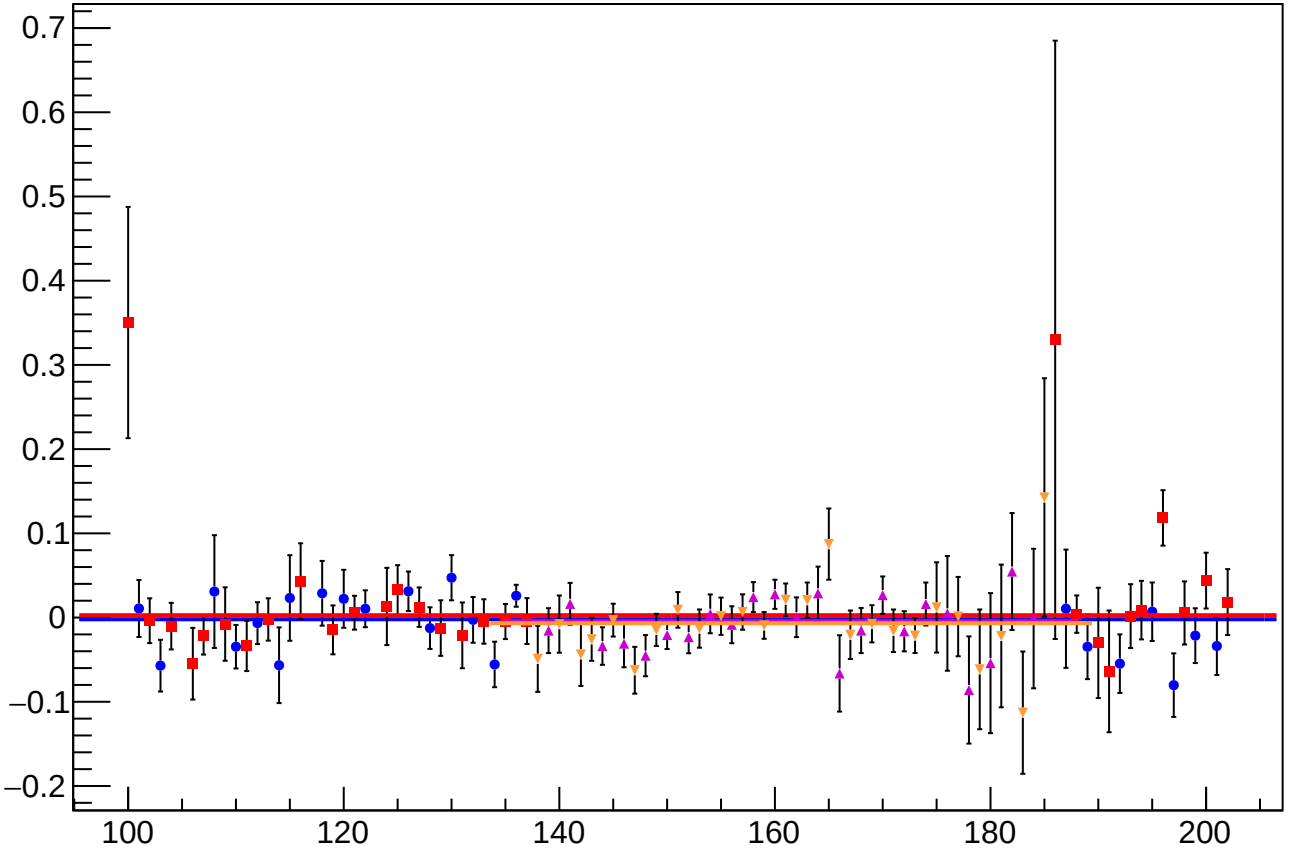
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6400615.1/47

All: 0.000+/-0.000 χ^2/NDF: 12301917.3/99

- sign 0.000+/-0.000 χ^2/NDF: 5772935.3/51

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 31.1/22

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 30.5/28

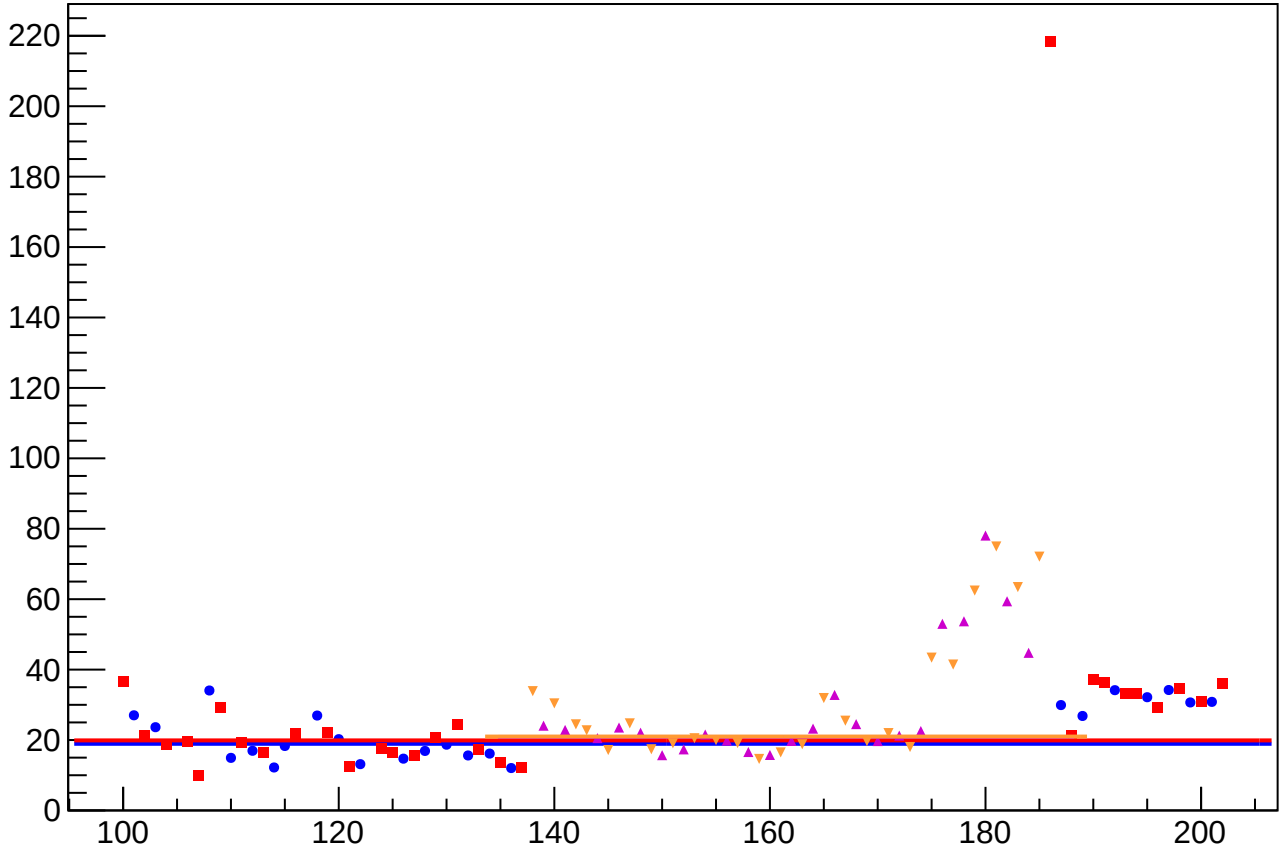
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.005+/-0.004 χ^2/NDF: 53.2/47

All: -0.003+/-0.003 χ^2/NDF: 108.2/99

- sign -0.001+/-0.004 χ^2/NDF: 54.5/51

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.934+/-0.004 χ^2/NDF: 2922055.3/22

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

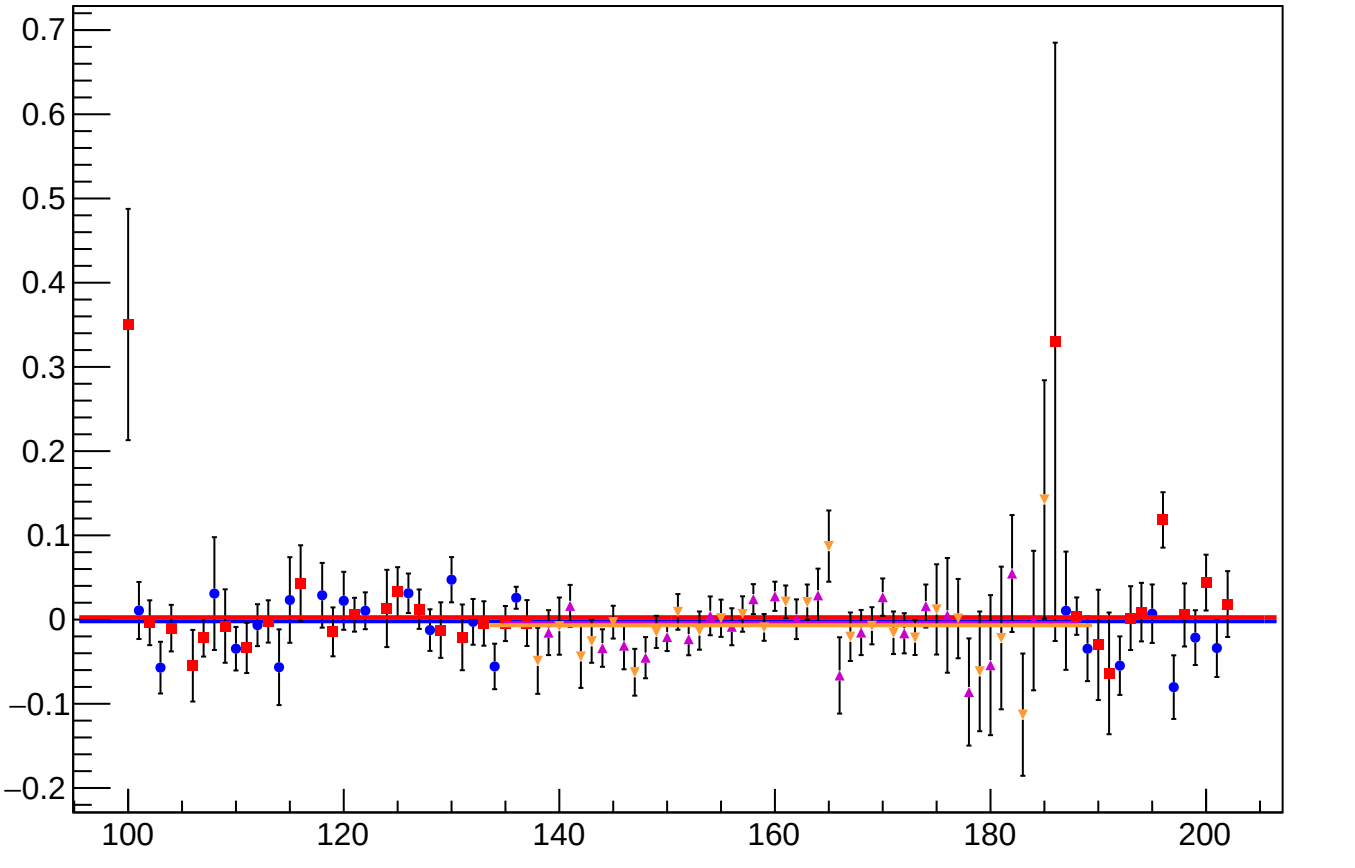
Right Out: 19.896+/-0.004 χ^2/NDF: 3753728.5/28

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 20.094+/-0.003 χ^2/NDF: 7523159.1/47

All: 20.260+/-0.002 χ^2/NDF: 14849698.7/99

\- sign 20.424+/-0.003 χ^2/NDF: 7319405.2/51



Right In: -0.002+/-0.006 χ^2/NDF: 31.1/22

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 30.5/28

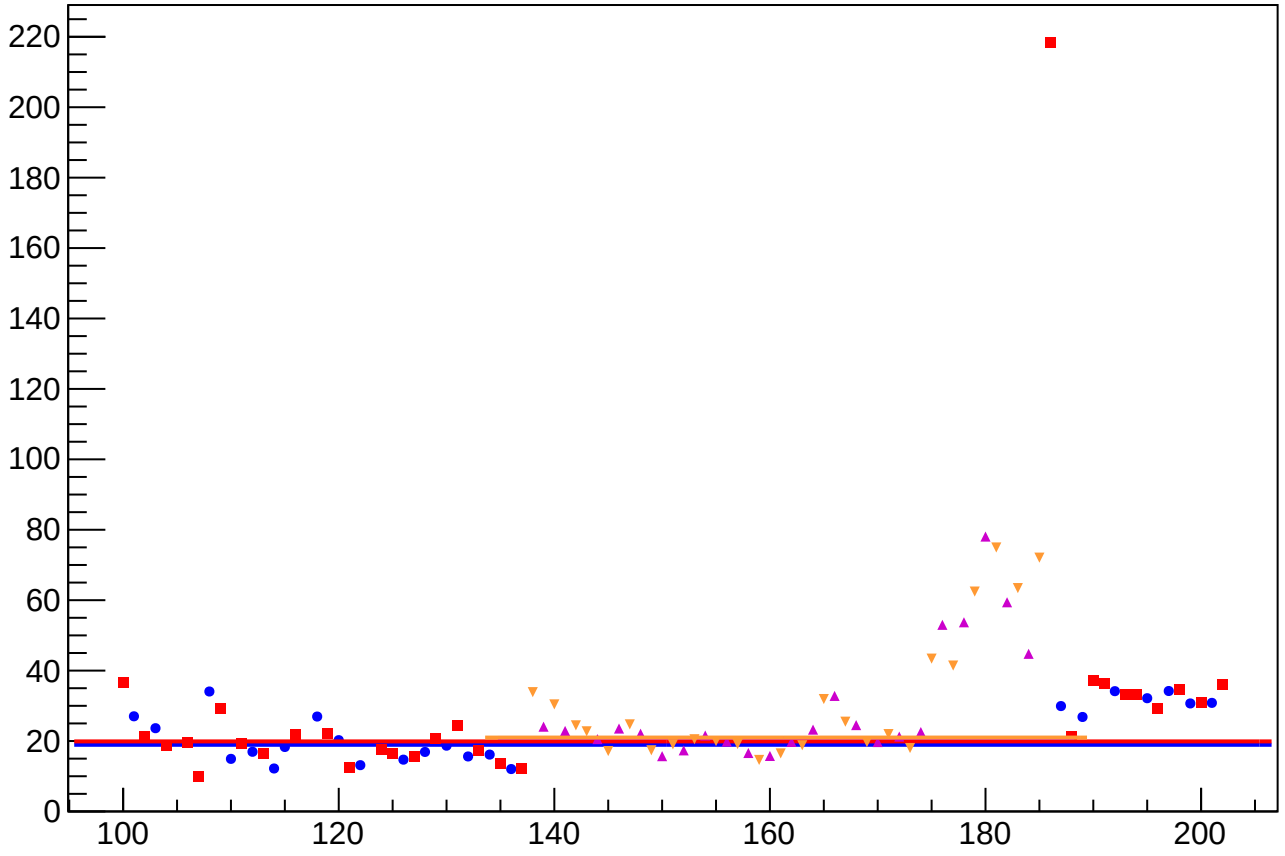
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.005+/-0.004 χ^2/NDF: 53.2/47

All: -0.003+/-0.003 χ^2/NDF: 108.2/99

- sign -0.001+/-0.004 χ^2/NDF: 54.5/51

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.934+/-0.004 χ^2/NDF: 2922055.3/22

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

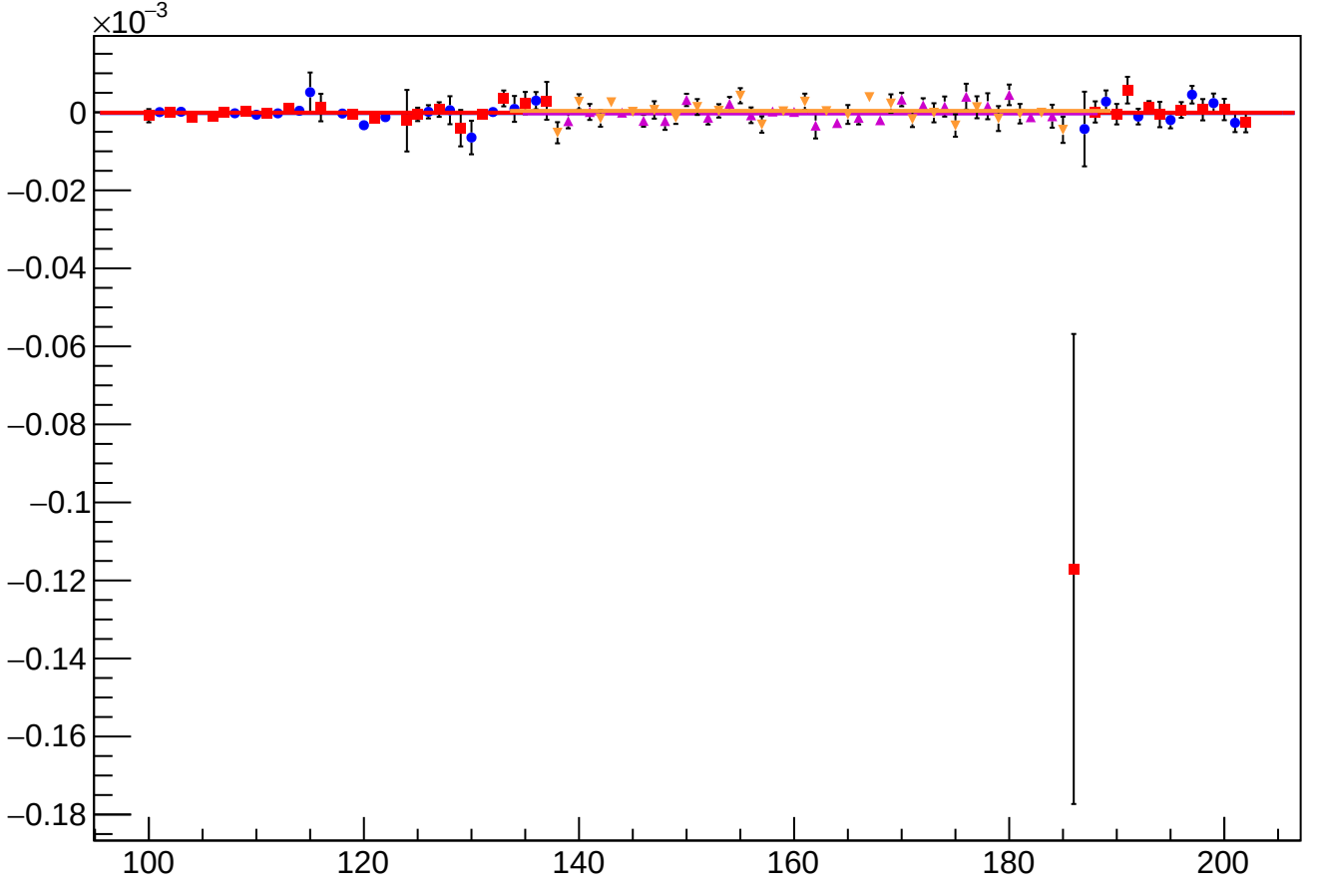
Right Out: 19.896+/-0.004 χ^2/NDF: 3753728.5/28

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.094+/-0.003 χ^2/NDF: 7523159.1/47

All: 20.260+/-0.002 χ^2/NDF: 14849698.7/99

- sign 20.424+/-0.003 χ^2/NDF: 7319405.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

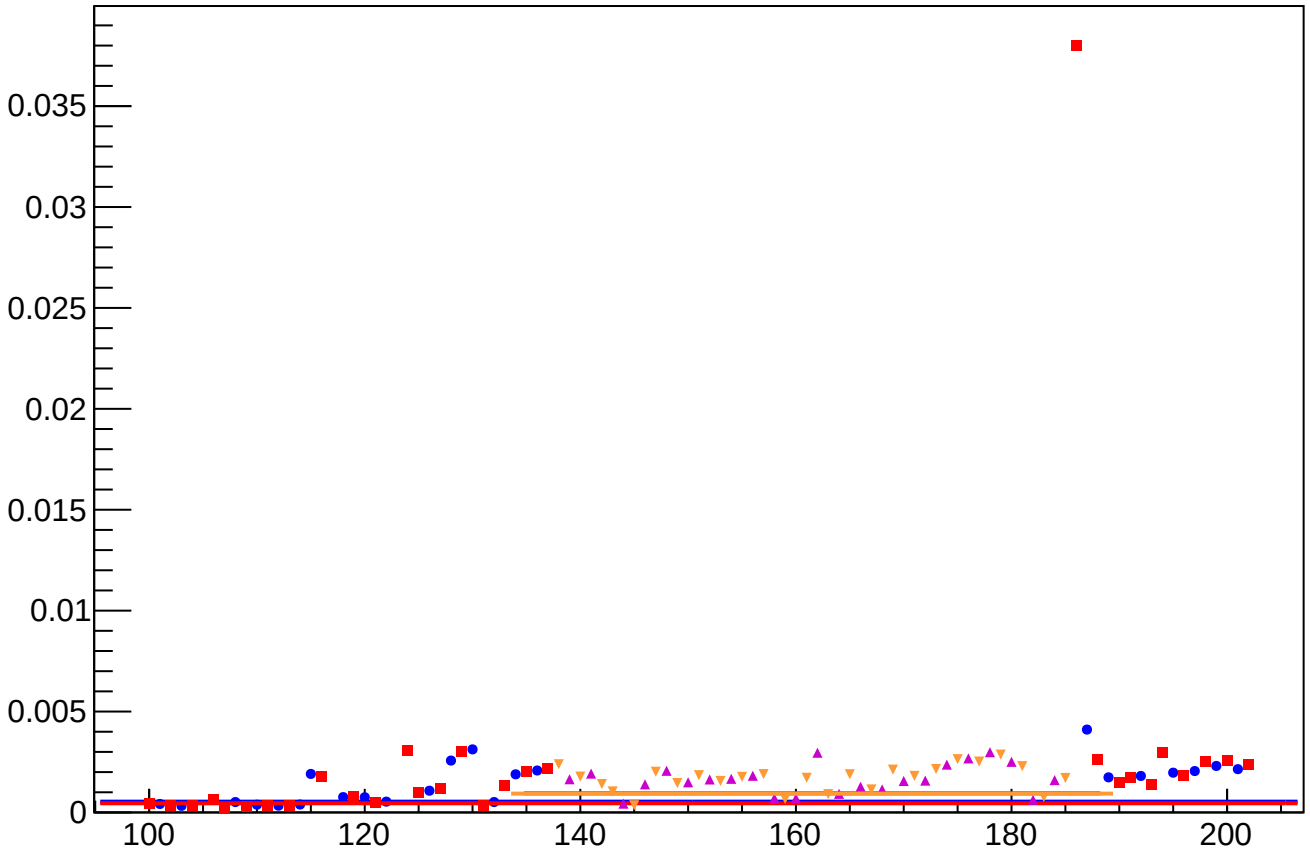
Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/28

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.1/47

All: -0.000+/-0.000 χ^2/NDF: 121.5/99

- sign -0.000+/-0.000 χ^2/NDF: 60.8/51



Right In: 0.001+/-0.000 χ^2/NDF: 9457043.6/22

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

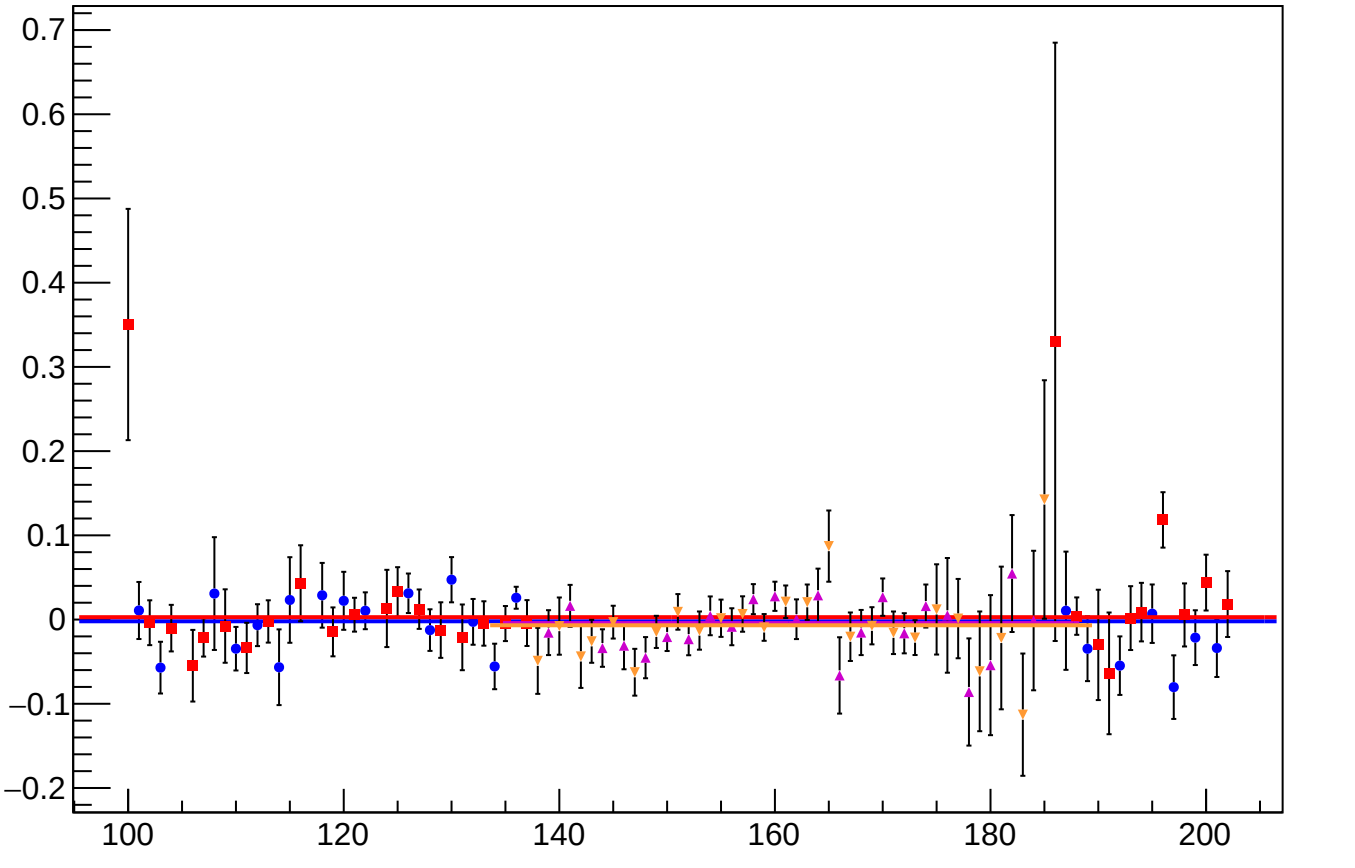
Right Out: 0.000+/-0.000 χ^2/NDF: 13276967.0/28

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 24343713.5/47

All: 0.001+/-0.000 χ^2/NDF: 52409549.7/99

- sign 0.001+/-0.000 χ^2/NDF: 27738565.4/51



Right In: -0.002+/-0.006 χ^2/NDF: 31.1/22

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

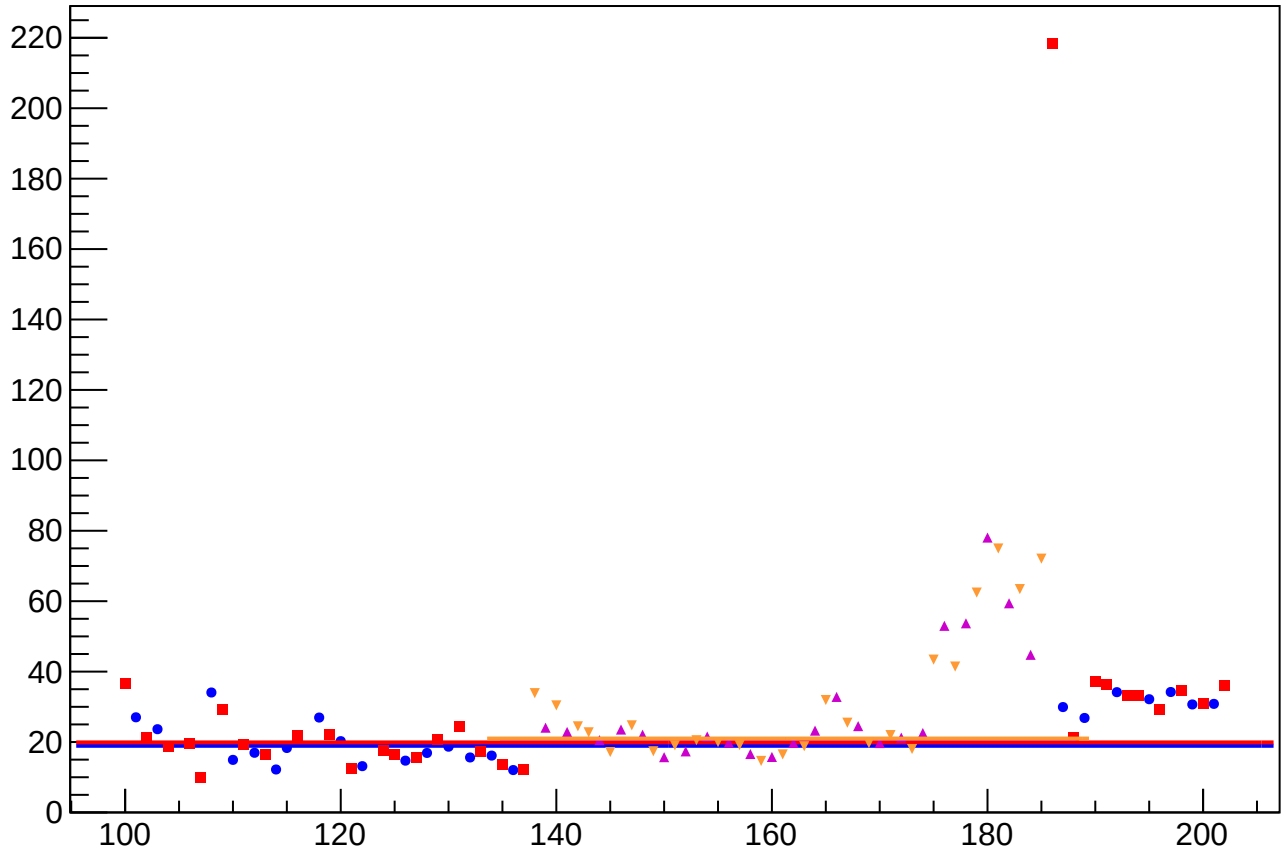
Right Out: 0.003+/-0.006 χ^2/NDF: 30.5/28

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.005+/-0.004 χ^2/NDF: 53.2/47

All: -0.003+/-0.003 χ^2/NDF: 108.2/99

- sign -0.001+/-0.004 χ^2/NDF: 54.5/51



Right In: 18.934+/-0.004 χ^2/NDF: 2922079.3/22

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

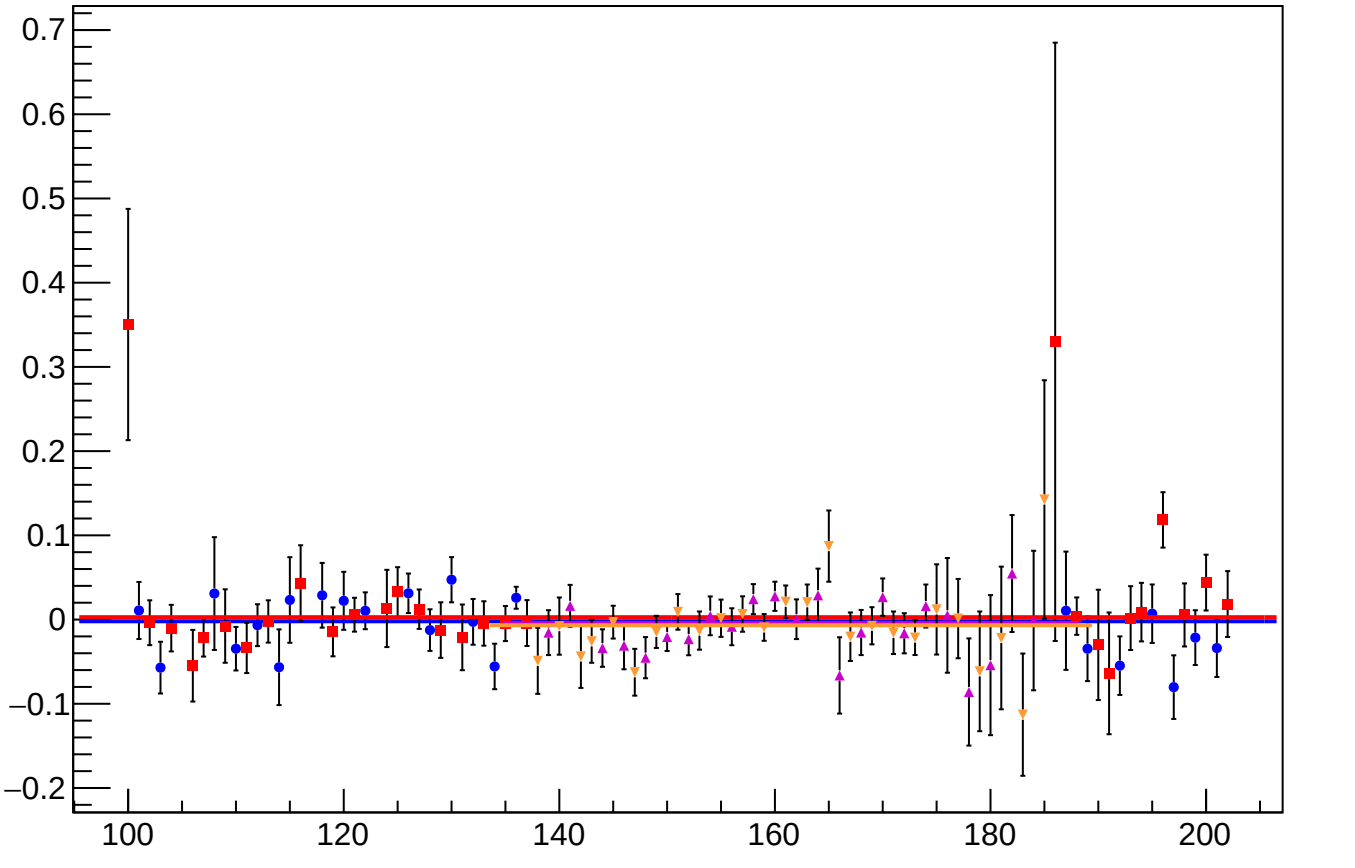
Right Out: 19.895+/-0.004 χ^2/NDF: 3753764.7/28

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.094+/-0.003 χ^2/NDF: 7523198.2/47

All: 20.260+/-0.002 χ^2/NDF: 14849836.9/99

- sign 20.424+/-0.003 χ^2/NDF: 7319507.3/51



Right In: -0.002+/-0.006 χ^2/NDF: 31.1/22

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

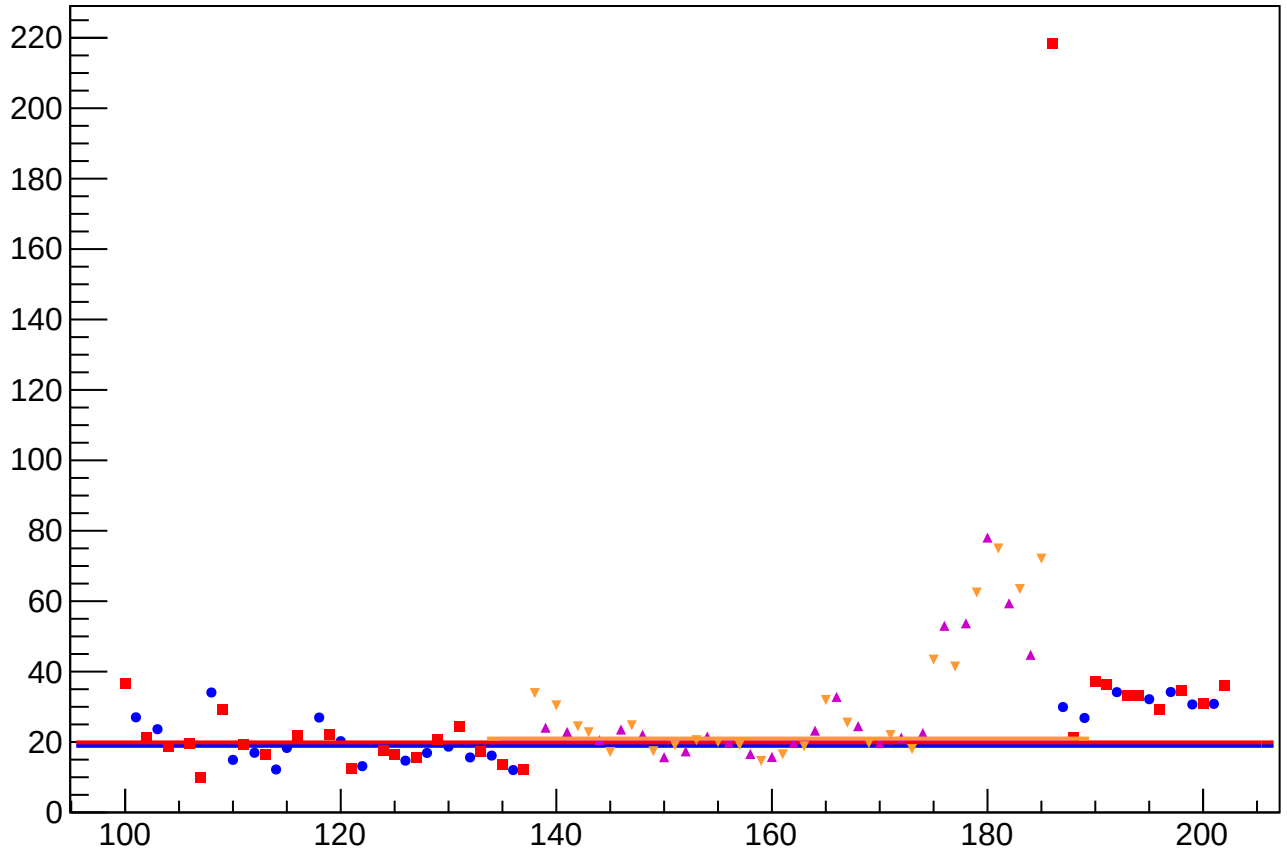
Right Out: 0.003+/-0.006 χ^2/NDF: 30.5/28

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.005+/-0.004 χ^2/NDF: 53.2/47

All: -0.003+/-0.003 χ^2/NDF: 108.2/99

- sign -0.001+/-0.004 χ^2/NDF: 54.5/51



Right In: 18.934+/-0.004 χ^2/NDF: 2922079.3/22

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

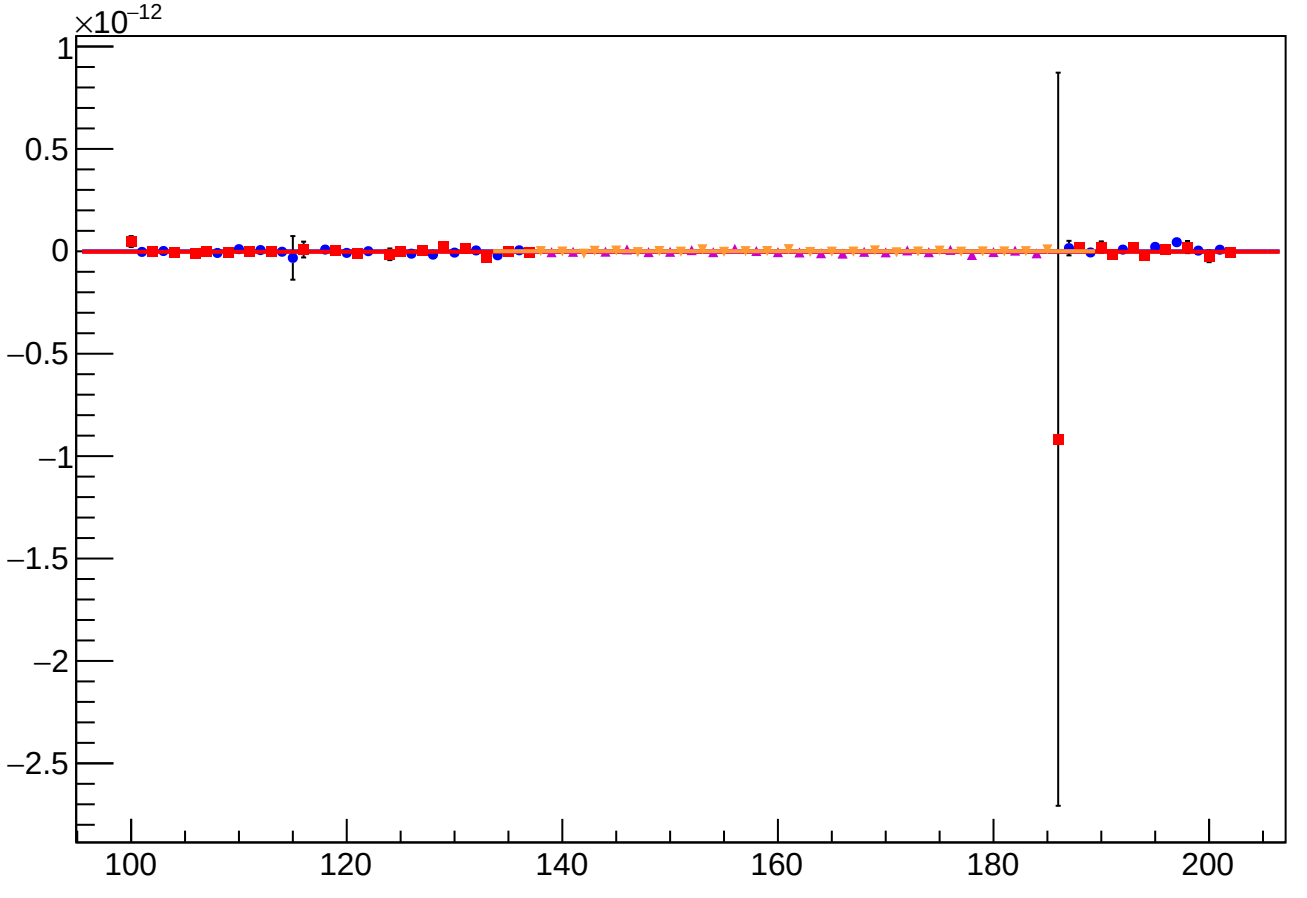
Right Out: 19.895+/-0.004 χ^2/NDF: 3753764.7/28

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.094+/-0.003 χ^2/NDF: 7523198.2/47

All: 20.260+/-0.002 χ^2/NDF: 14849836.9/99

- sign 20.424+/-0.003 χ^2/NDF: 7319507.3/51



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

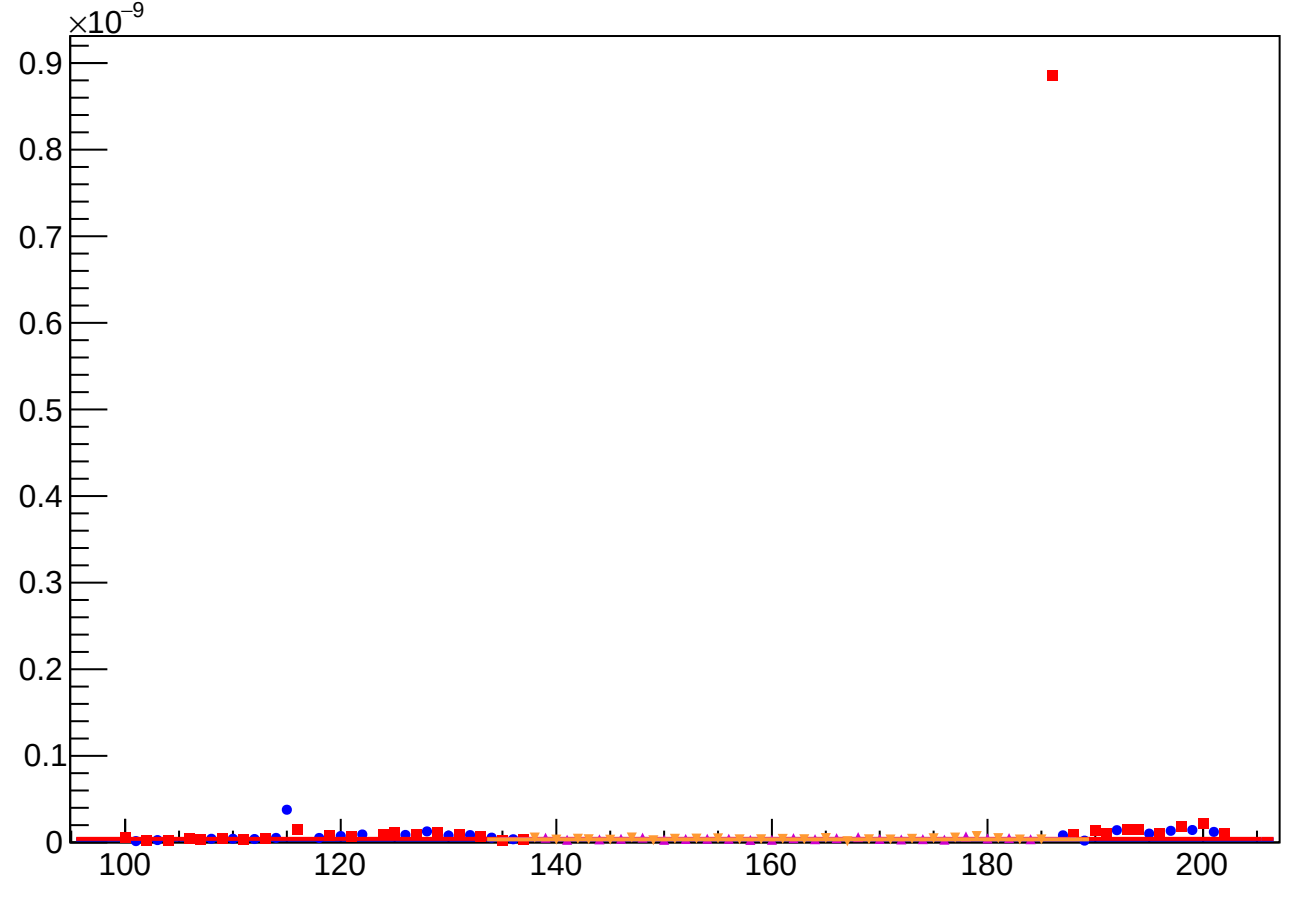
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/28

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/47

All: -0.000+/-0.000 χ^2/NDF: 84.1/99

- sign -0.000+/-0.000 χ^2/NDF: 49.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 5610897.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6937493.2/28

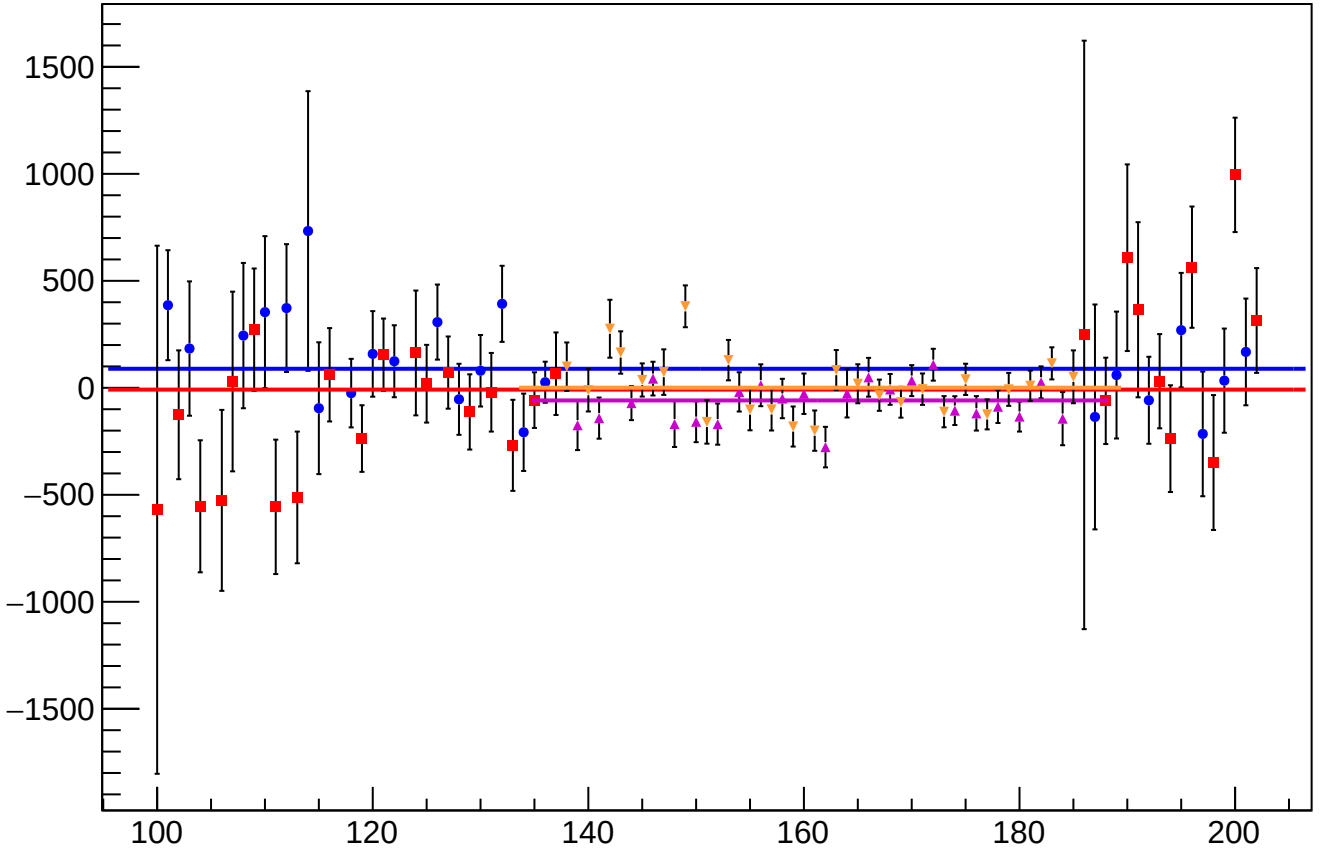
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8160078.7/47

All: 0.000+/-0.000 χ^2/NDF: 16630372.0/99

- sign 0.000+/-0.000 χ^2/NDF: 8162906.5/51

reg_asym_sam_26_avg_mean vs Slug



Right In: 89.103+/-43.086 χ^2/NDF: 15.8/22

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -8.333+/-43.146 χ^2/NDF: 42.5/28

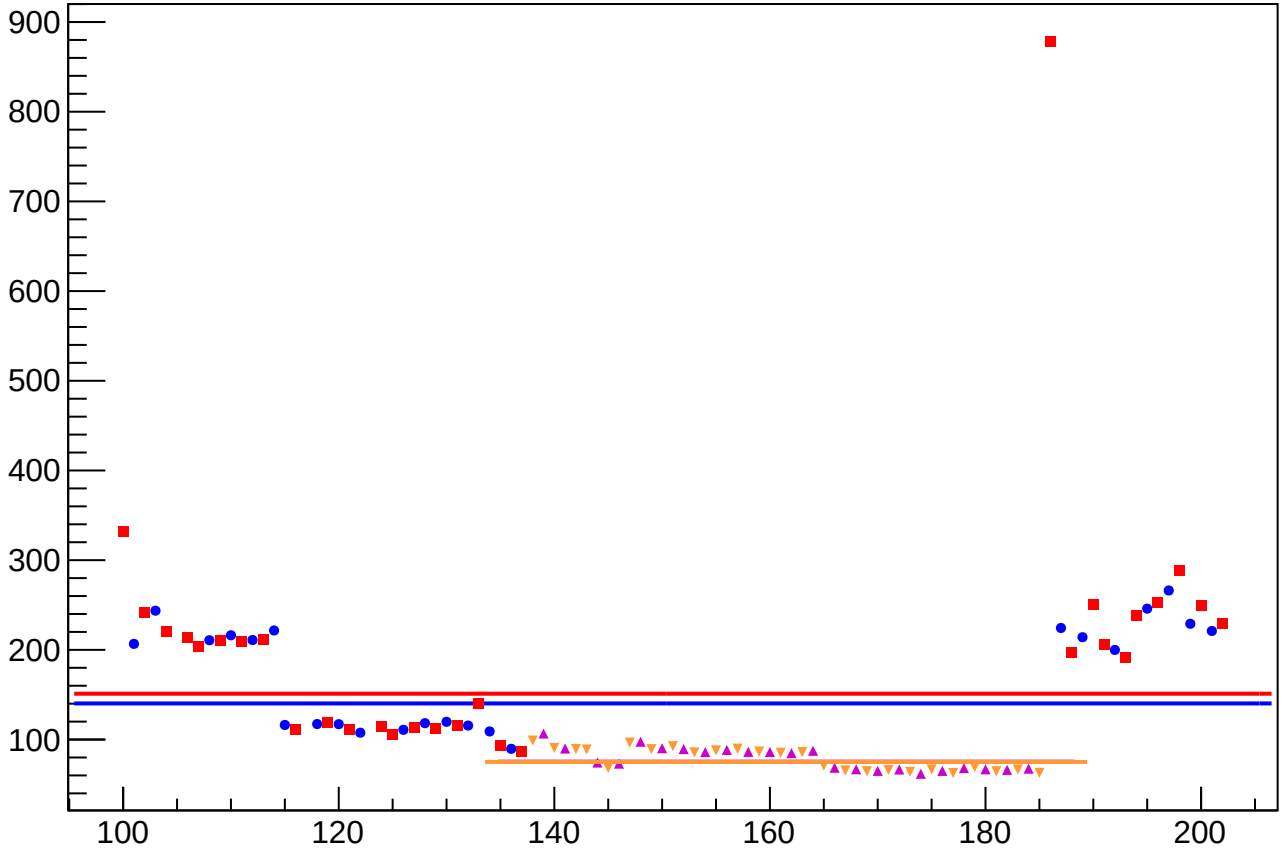
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.909+/-16.070 χ^2/NDF: 68.1/47

All: -18.409+/-11.518 χ^2/NDF: 145.4/99

- sign -51.495+/-16.517 χ^2/NDF: 69.5/51

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.258+/-0.030 χ^2/NDF: 3111998.4/22

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

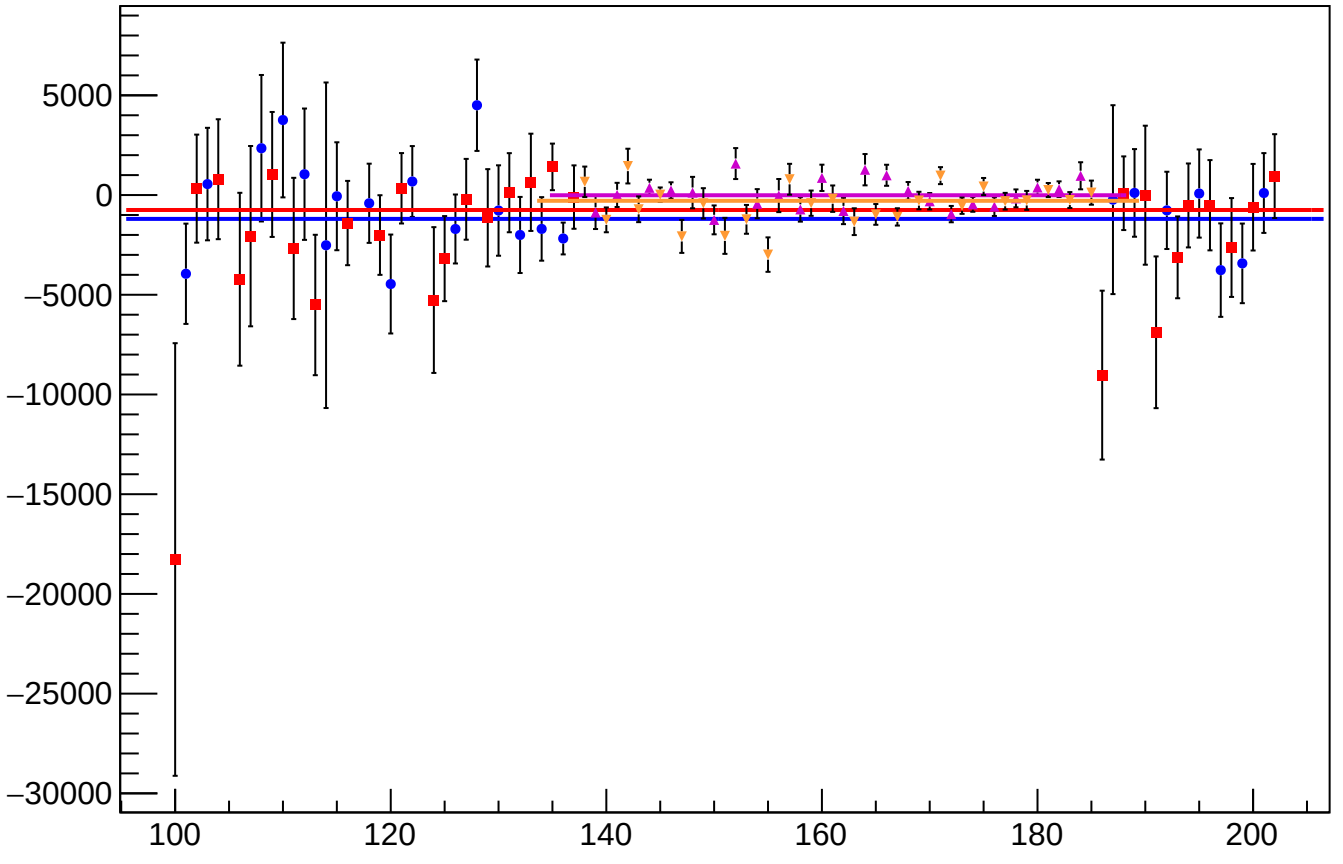
Right Out: 151.103+/-0.031 χ^2/NDF: 4177584.9/28

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 84.113+/-0.011 χ^2/NDF: 7984877.0/47

All: 85.251+/-0.008 χ^2/NDF: 18282056.4/99

- sign 86.453+/-0.012 χ^2/NDF: 10276555.9/51



Right In: -1195.876+/-416.454 χ^2/NDF: 19.6/22

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -749.410+/-428.993 χ^2/NDF: 23.4/28

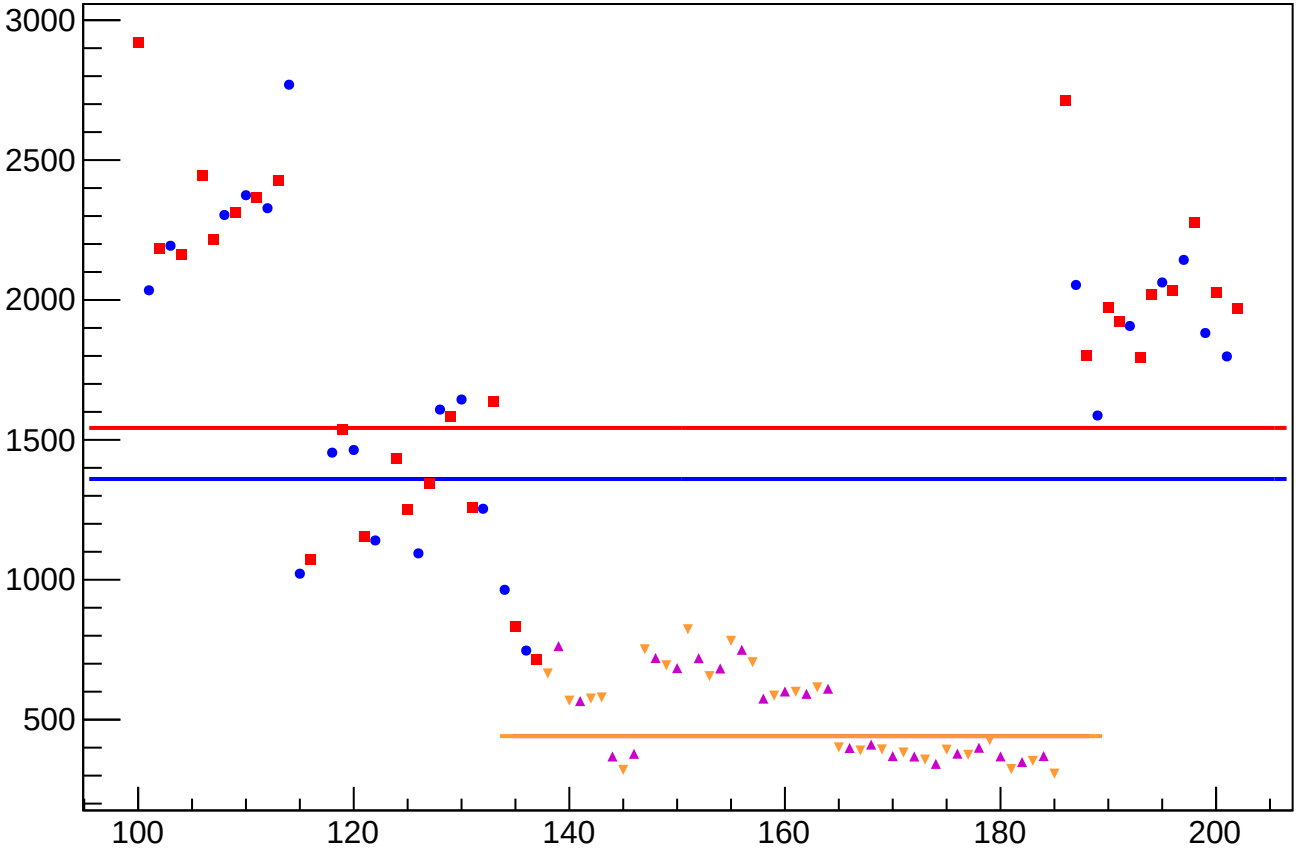
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -342.563+/-102.025 χ^2/NDF: 77.3/47

All: -201.850+/-72.978 χ^2/NDF: 140.8/99

- sign -54.422+/-104.431 χ^2/NDF: 59.6/51

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1360.173+/-0.294 χ^2/NDF: 3184323.7/22

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1542.673+/-0.303 χ^2/NDF: 3121307.7/28

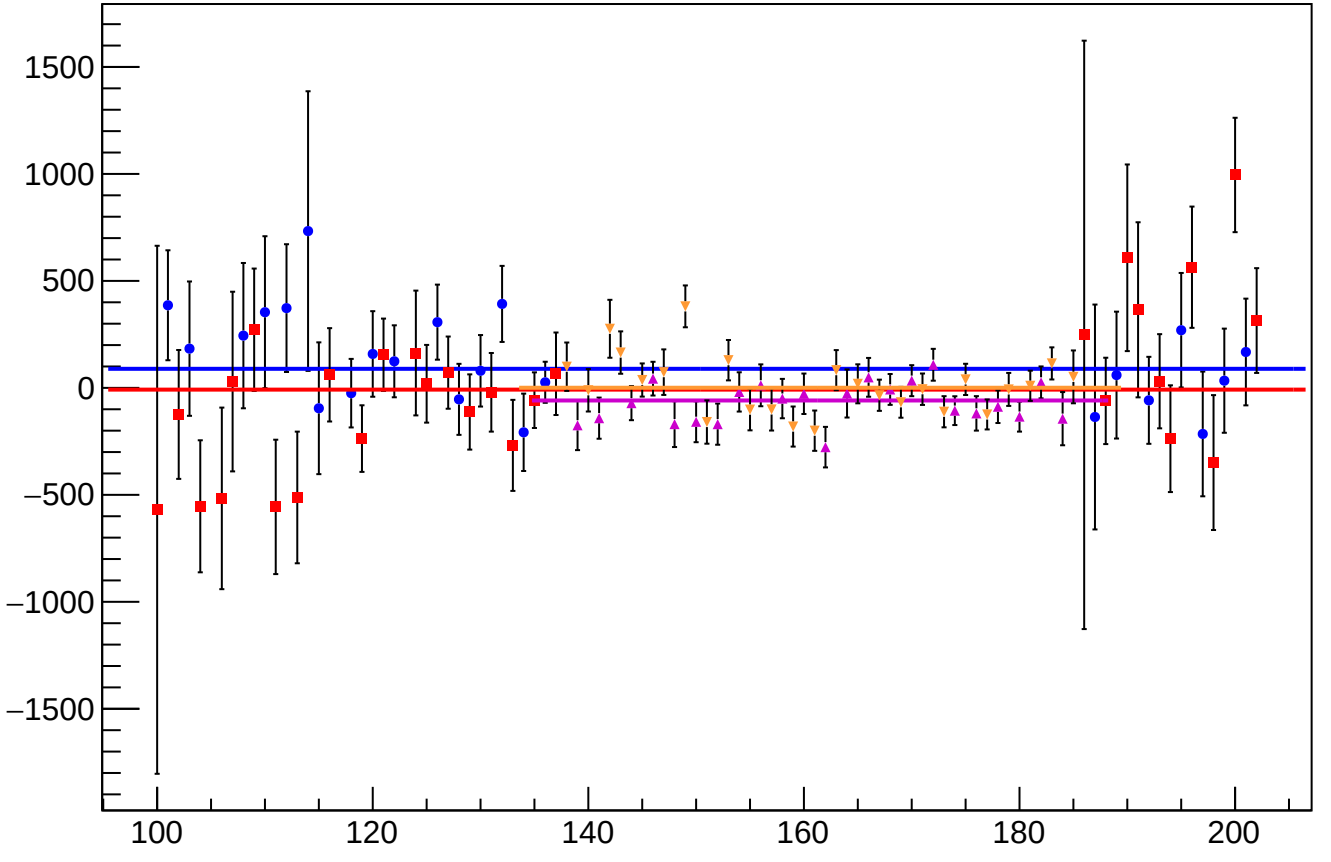
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 496.287+/-0.072 χ^2/NDF: 15574591.0/47

All: 501.259+/-0.052 χ^2/NDF: 33791352.3/99

- sign 506.468+/-0.074 χ^2/NDF: 18207034.5/51

cor_asym_sam_26_avg_mean vs Slug



Right In: 89.087+/-43.086 χ^2/NDF: 15.8/22

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -8.155+/-43.148 χ^2/NDF: 42.4/28

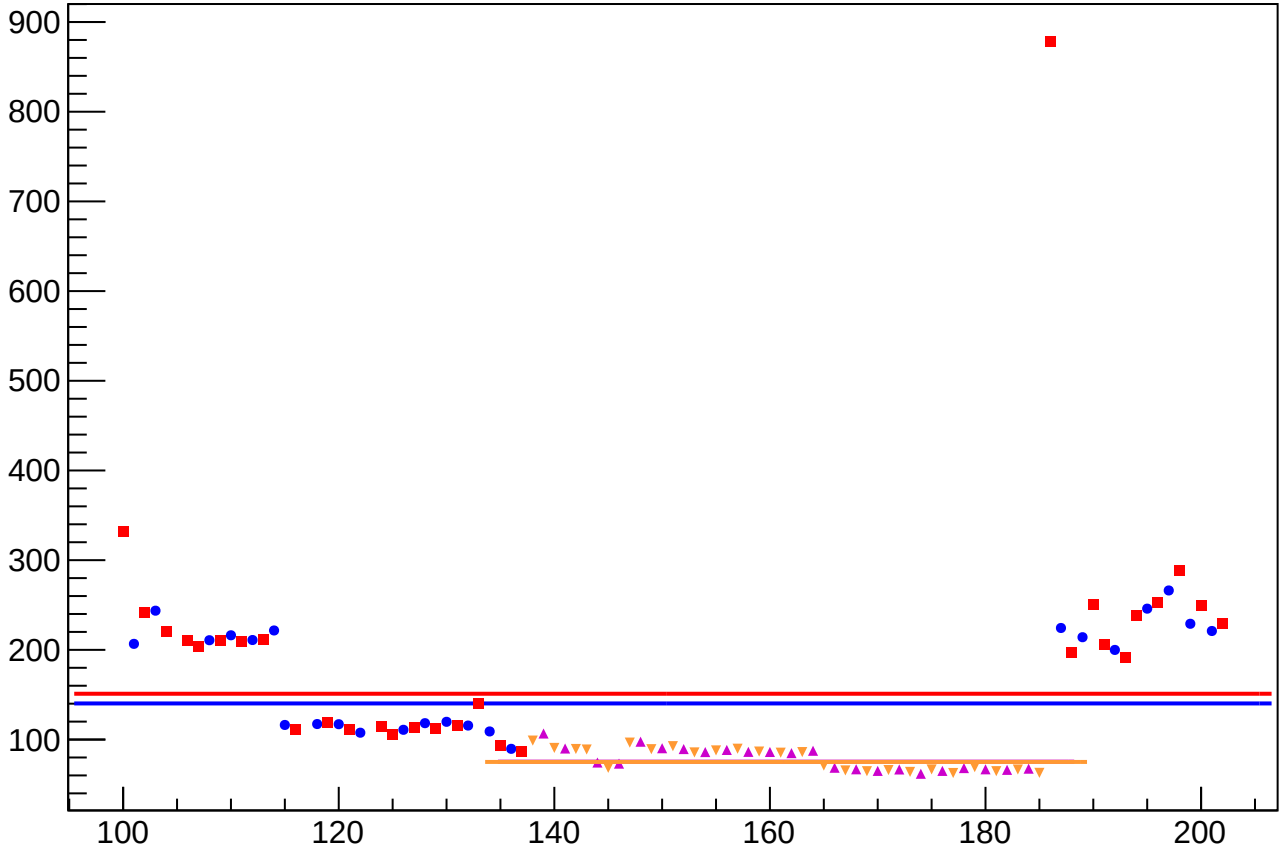
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.907+/-16.070 χ^2/NDF: 68.1/47

All: -18.396+/-11.518 χ^2/NDF: 145.3/99

- sign -51.468+/-16.517 χ^2/NDF: 69.4/51

cor_asym_sam_26_avg_rms vs Slug



Right In: 140.258+/-0.030 χ^2/NDF: 3112000.9/22

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

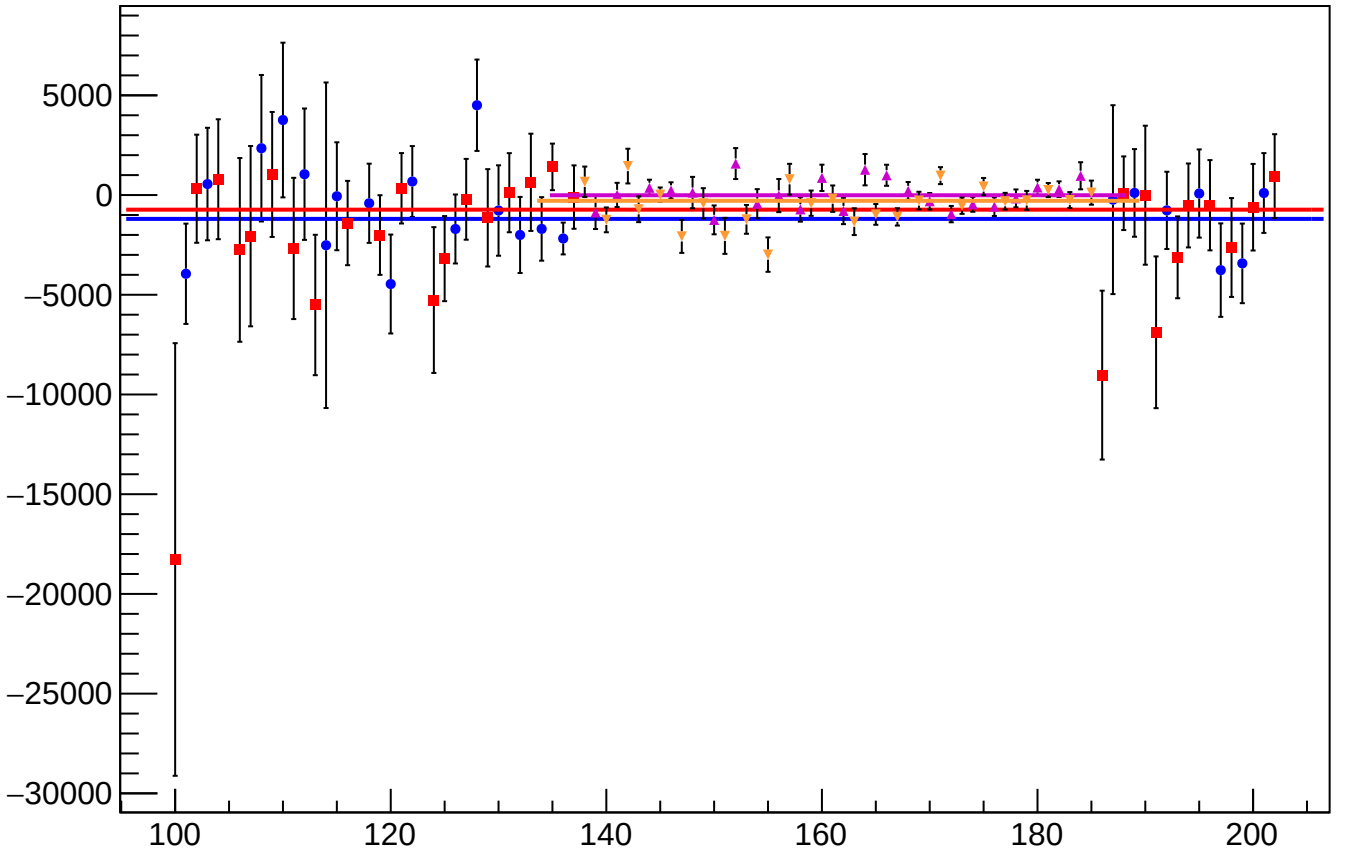
Right Out: 151.067+/-0.031 χ^2/NDF: 4173397.8/28

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 84.113+/-0.011 χ^2/NDF: 7984879.0/47

All: 85.248+/-0.008 χ^2/NDF: 18272340.6/99

- sign 86.447+/-0.012 χ^2/NDF: 10266946.8/51



Right In: -1195.860+/-416.455 χ^2/NDF: 19.6/22

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -732.887+/-429.242 χ^2/NDF: 22.9/28

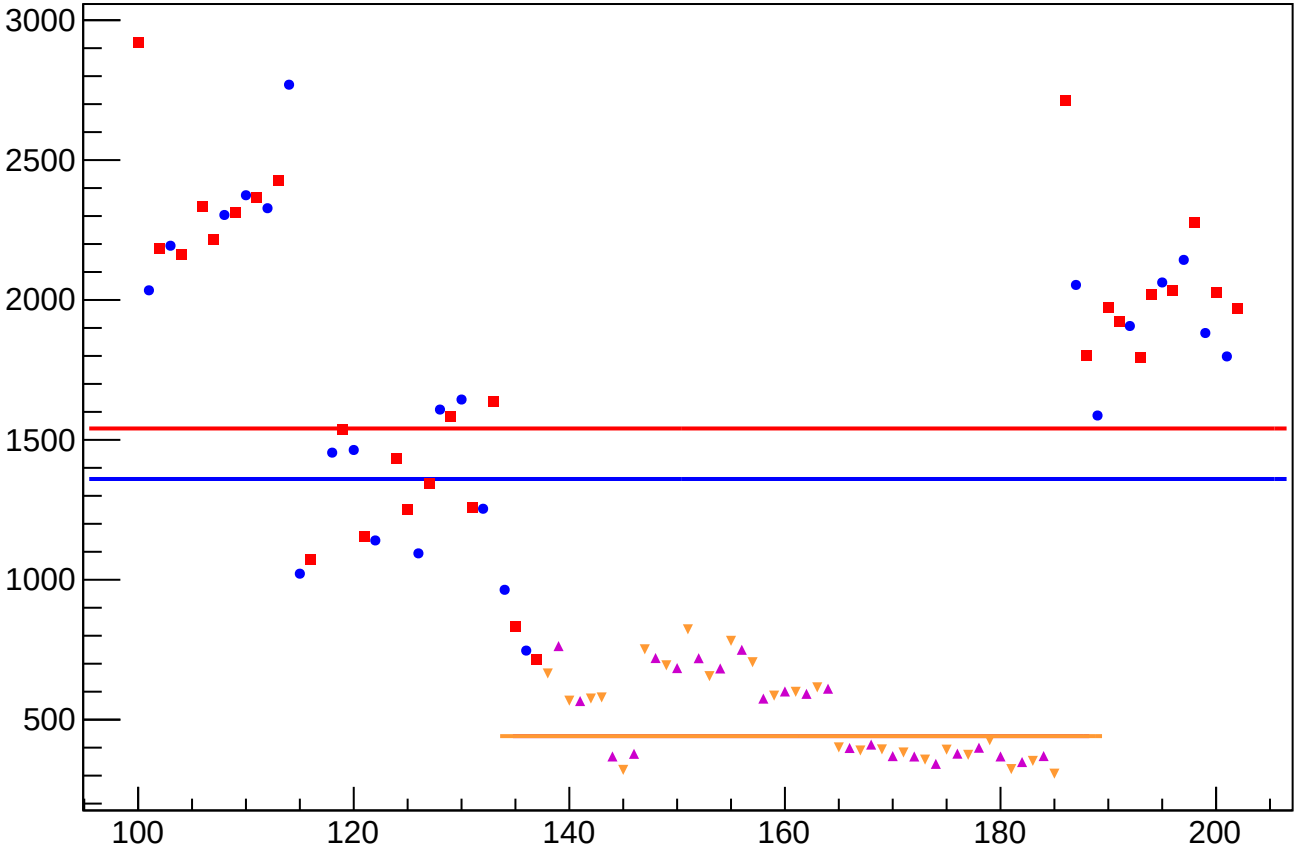
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -342.561+/-102.025 χ^2/NDF: 77.3/47

All: -201.353+/-72.979 χ^2/NDF: 140.2/99

- sign -53.397+/-104.434 χ^2/NDF: 59.0/51

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1360.173+/-0.294 χ^2/NDF: 3184354.9/22

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1540.724+/-0.304 χ^2/NDF: 3094197.9/28

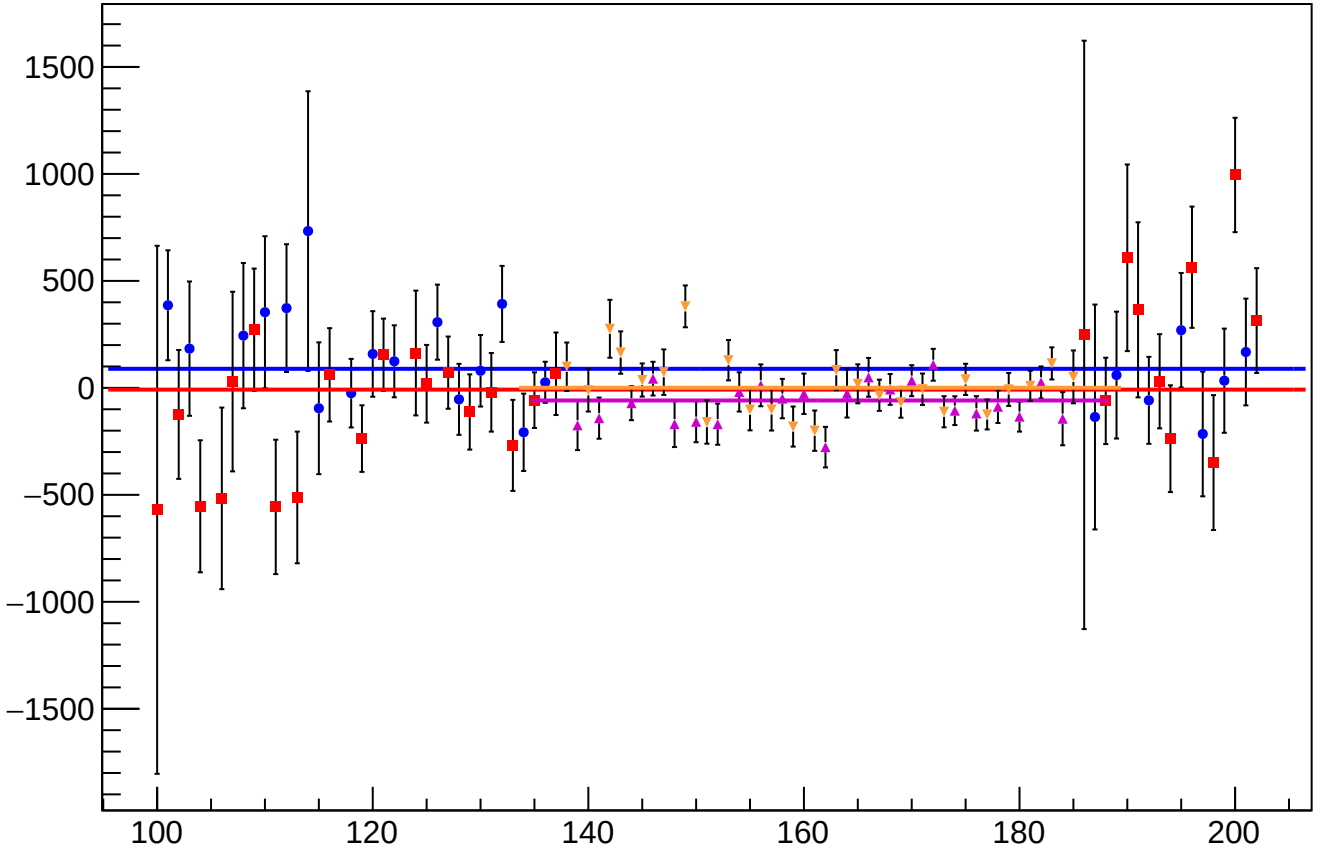
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 496.287+/-0.072 χ^2/NDF: 15574599.3/47

All: 501.168+/-0.052 χ^2/NDF: 33706556.6/99

- sign 506.282+/-0.074 χ^2/NDF: 18122583.3/51

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 89.087+/-43.086 χ^2/NDF: 15.8/22

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -8.155+/-43.148 χ^2/NDF: 42.4/28

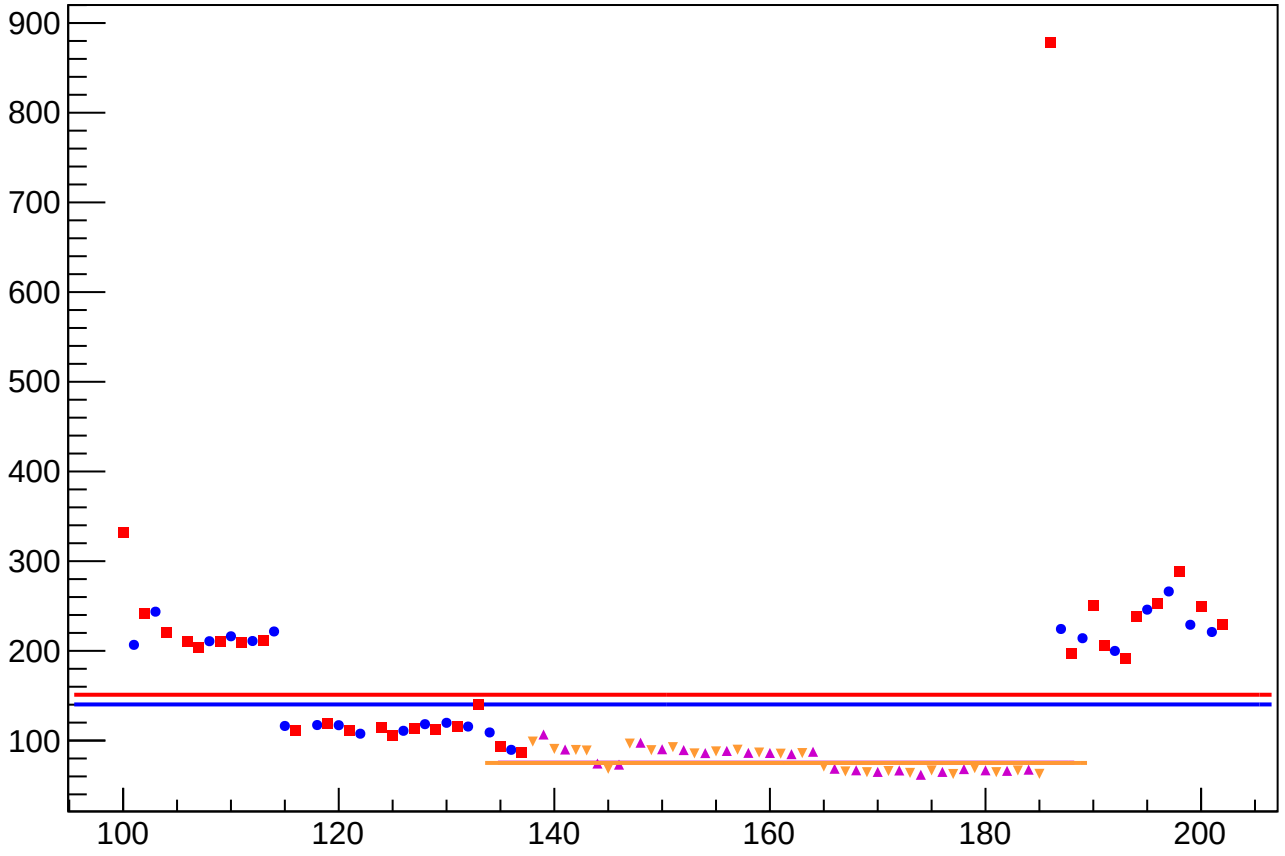
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.907+/-16.070 χ^2/NDF: 68.1/47

All: -18.396+/-11.518 χ^2/NDF: 145.3/99

- sign -51.468+/-16.517 χ^2/NDF: 69.4/51

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 140.258+/-0.030 χ^2/NDF: 3112000.9/22

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

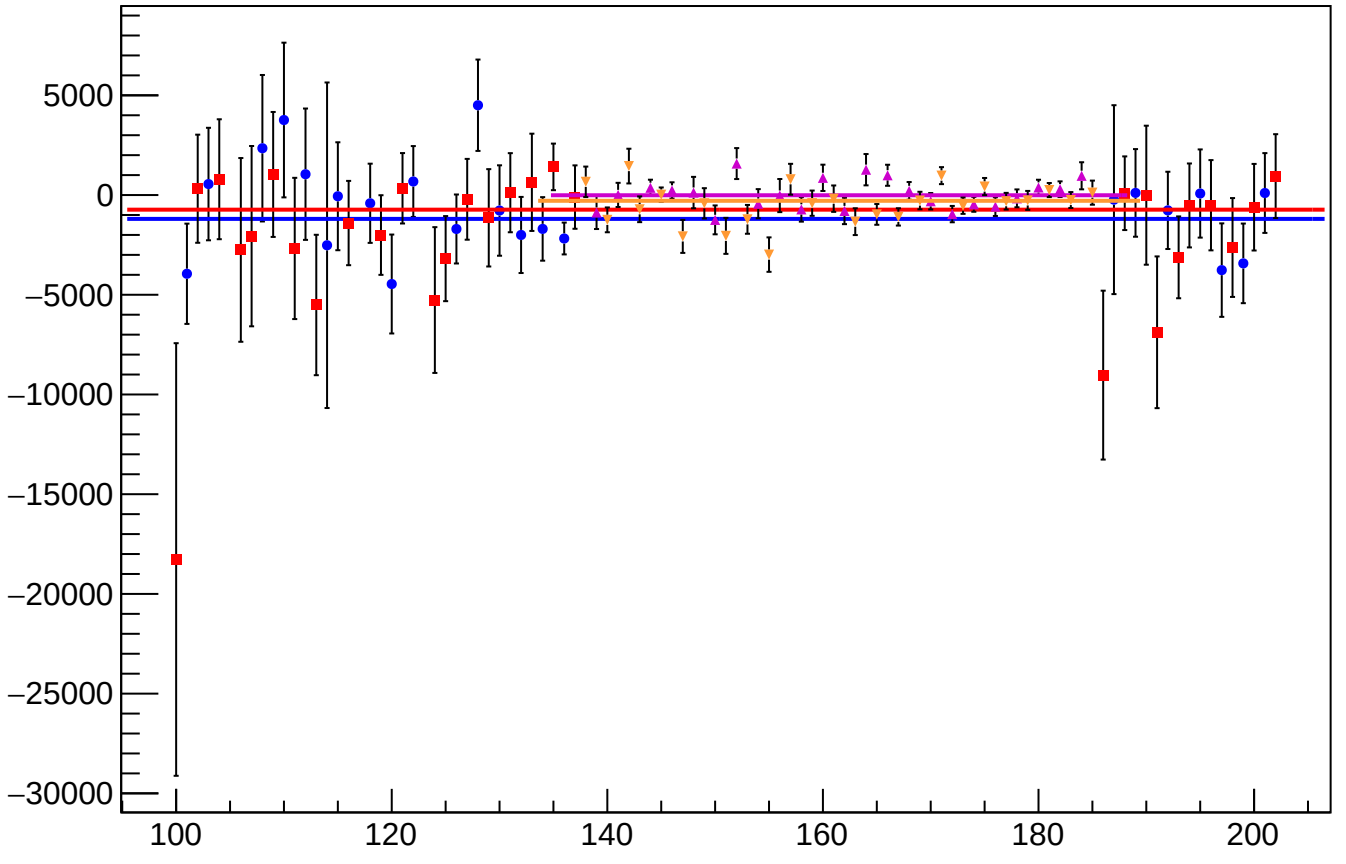
Right Out: 151.067+/-0.031 χ^2/NDF: 4173397.8/28

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 84.113+/-0.011 χ^2/NDF: 7984879.0/47

All: 85.248+/-0.008 χ^2/NDF: 18272340.6/99

- sign 86.447+/-0.012 χ^2/NDF: 10266946.8/51



Right In: -1195.860+/-416.455 χ^2/NDF: 19.6/22

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -732.887+/-429.242 χ^2/NDF: 22.9/28

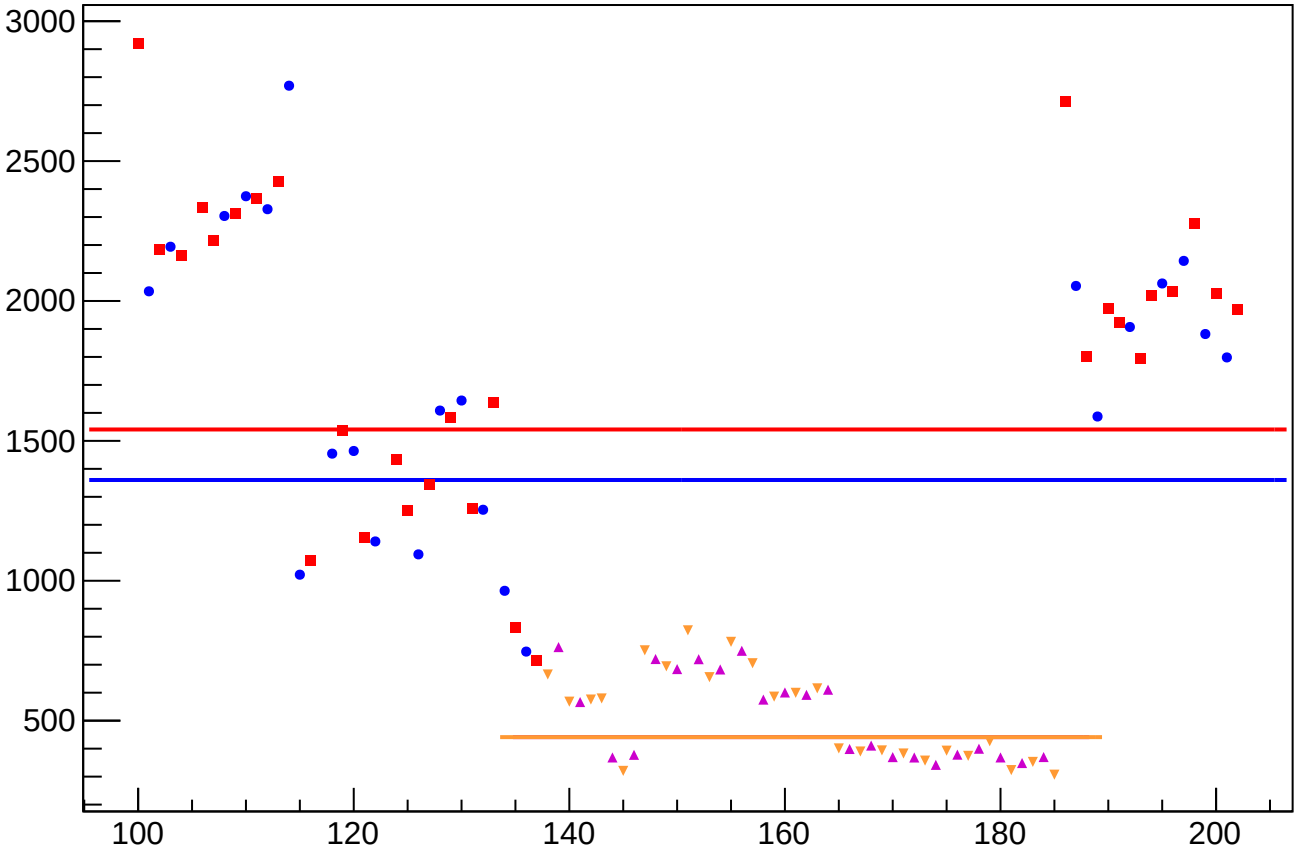
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -342.561+/-102.025 χ^2/NDF: 77.3/47

All: -201.353+/-72.979 χ^2/NDF: 140.2/99

- sign -53.397+/-104.434 χ^2/NDF: 59.0/51

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1360.173+/-0.294 χ^2/NDF: 3184354.9/22

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1540.724+/-0.304 χ^2/NDF: 3094197.9/28

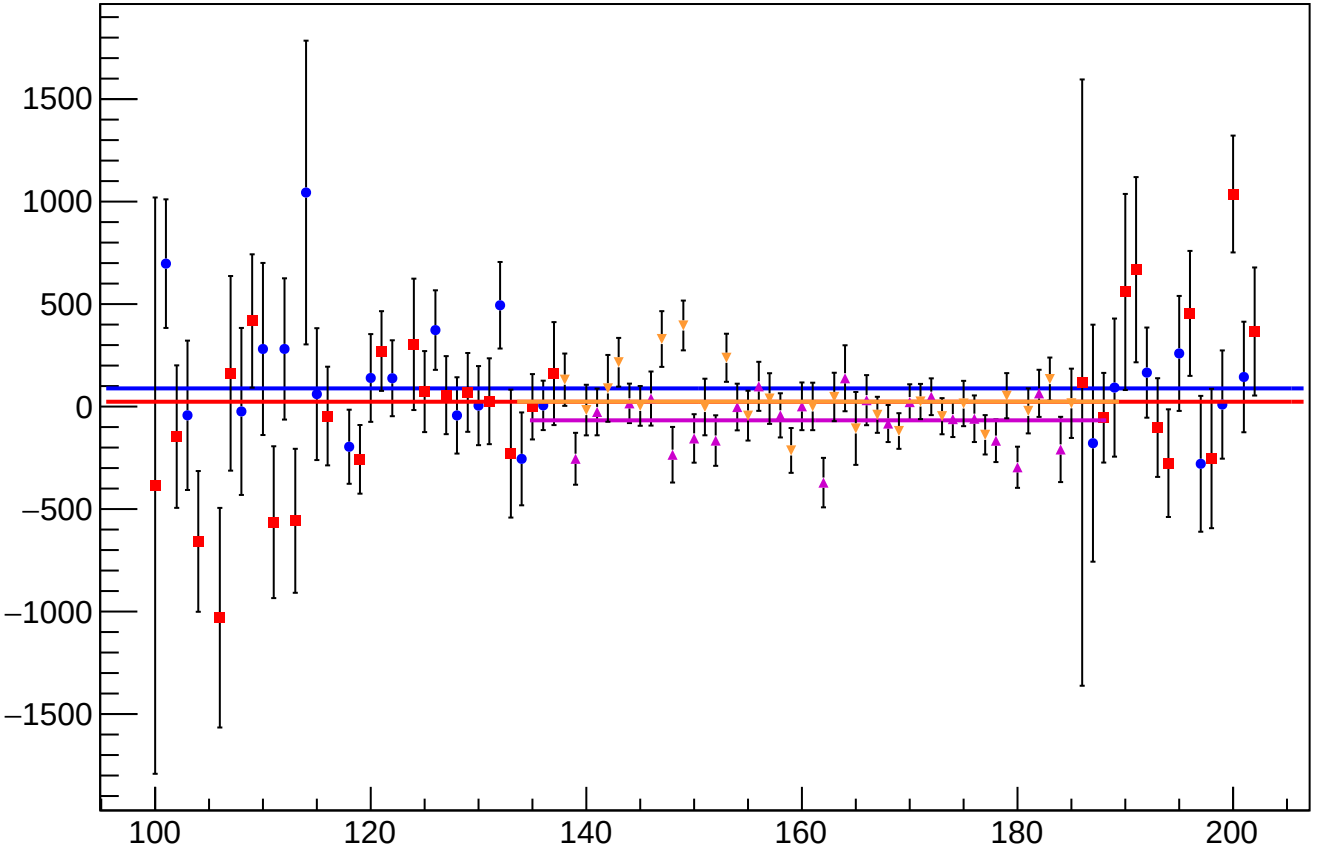
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 496.287+/-0.072 χ^2/NDF: 15574599.3/47

All: 501.168+/-0.052 χ^2/NDF: 33706556.6/99

- sign 506.282+/-0.074 χ^2/NDF: 18122583.3/51

dit_asym_sam_26_avg_mean vs Slug



Right In: 88.681+/-49.611 χ^2/NDF: 20.1/22

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 23.601+/-49.268 χ^2/NDF: 42.8/28

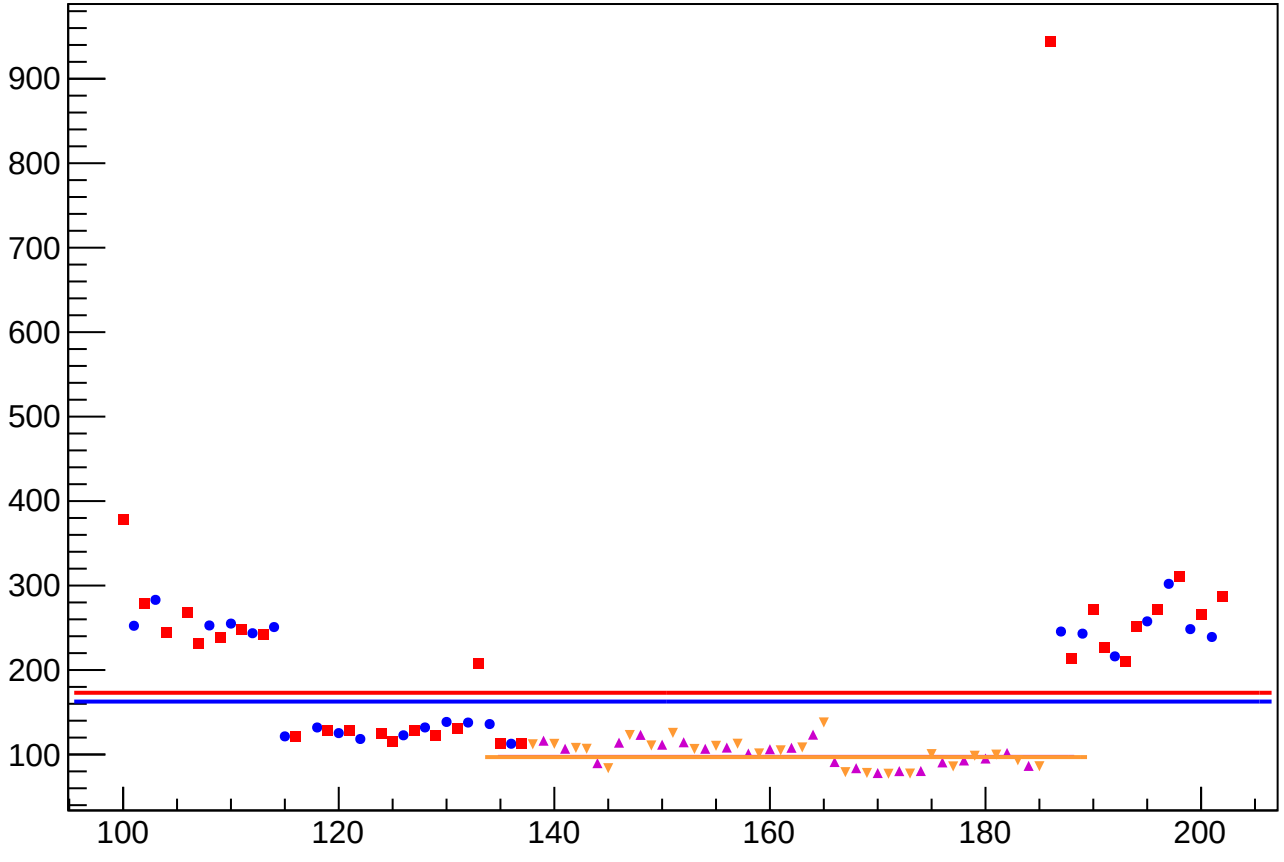
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 34.859+/-20.426 χ^2/NDF: 56.7/47

All: -6.885+/-14.619 χ^2/NDF: 139.6/99

- sign -50.718+/-20.931 χ^2/NDF: 74.3/51

dit_asym_sam_26_avg_rms vs Slug



Right In: 162.648+/-0.035 χ^2/NDF: 2778226.5/22

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

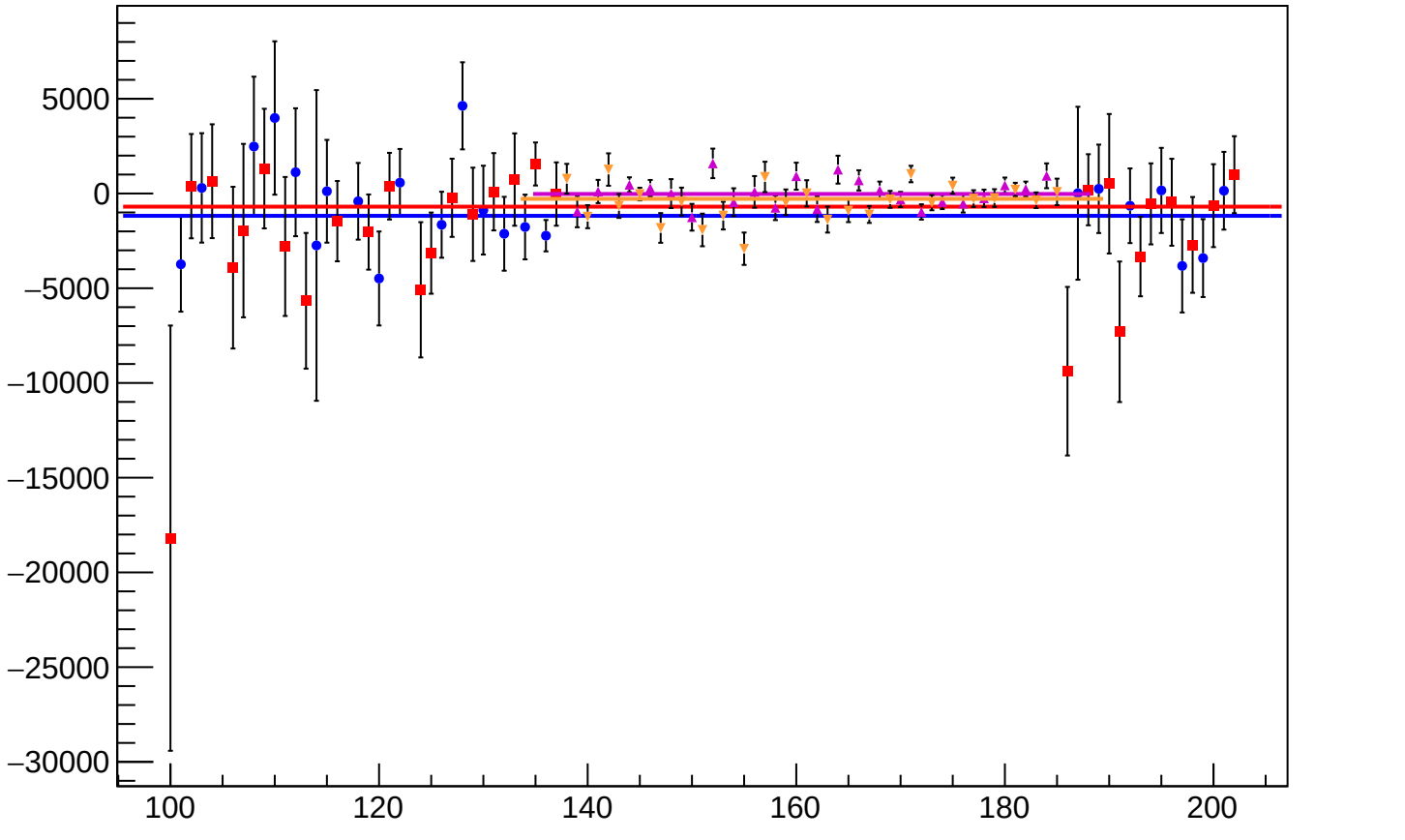
Right Out: 173.067+/-0.035 χ^2/NDF: 3913095.8/28

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 108.051+/-0.014 χ^2/NDF: 6628709.1/47

All: 109.424+/-0.010 χ^2/NDF: 15124798.9/99

- sign 110.866+/-0.015 χ^2/NDF: 8477562.8/51



Right In: -1179.493+/-427.639 χ^2/NDF: 19.6/22

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -695.142+/-431.558 χ^2/NDF: 24.8/28

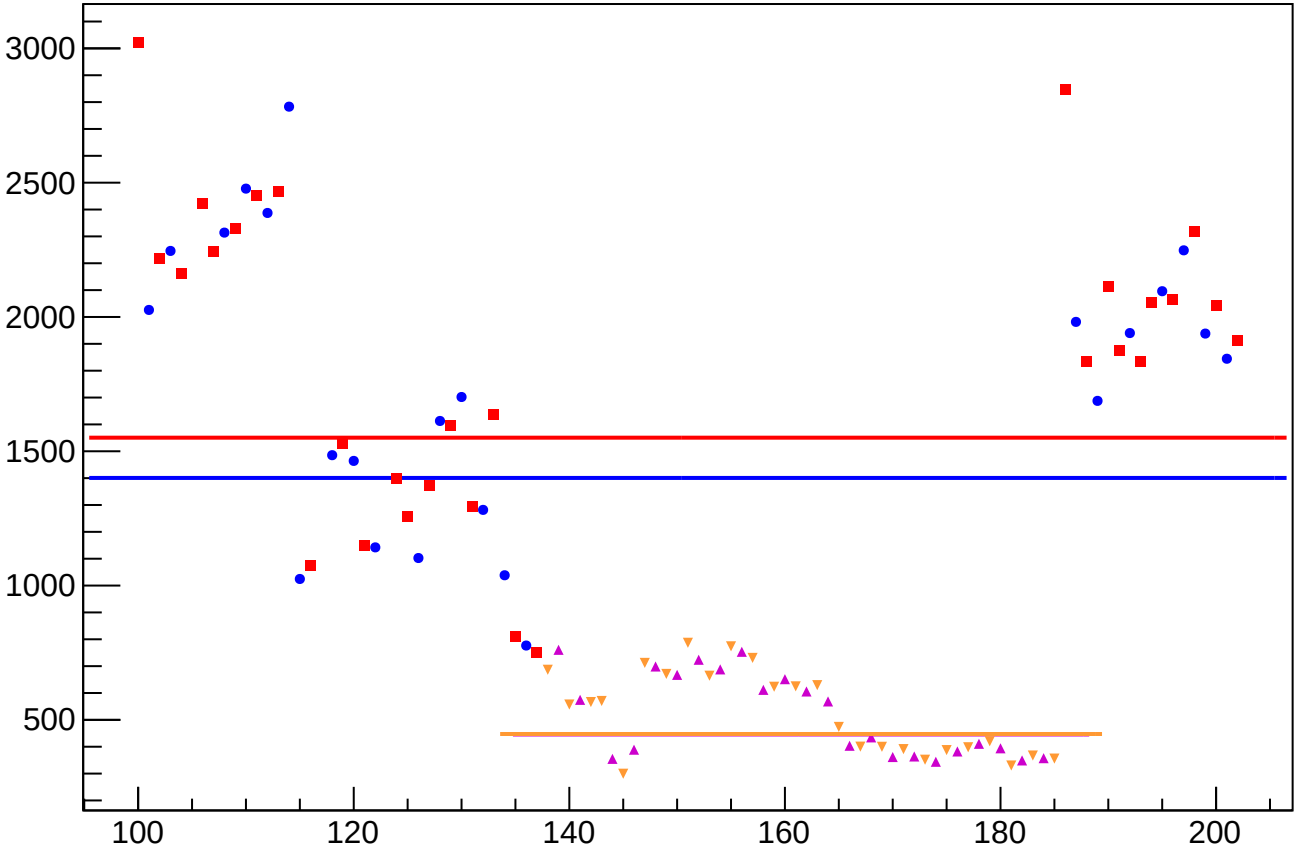
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -334.713+/-103.247 χ^2/NDF: 74.2/47

All: -202.743+/-73.816 χ^2/NDF: 137.5/99

- sign -64.754+/-105.575 χ^2/NDF: 60.0/51

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1400.726+/-0.302 χ^2/NDF: 3088566.5/22

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1550.615+/-0.305 χ^2/NDF: 3214987.8/28

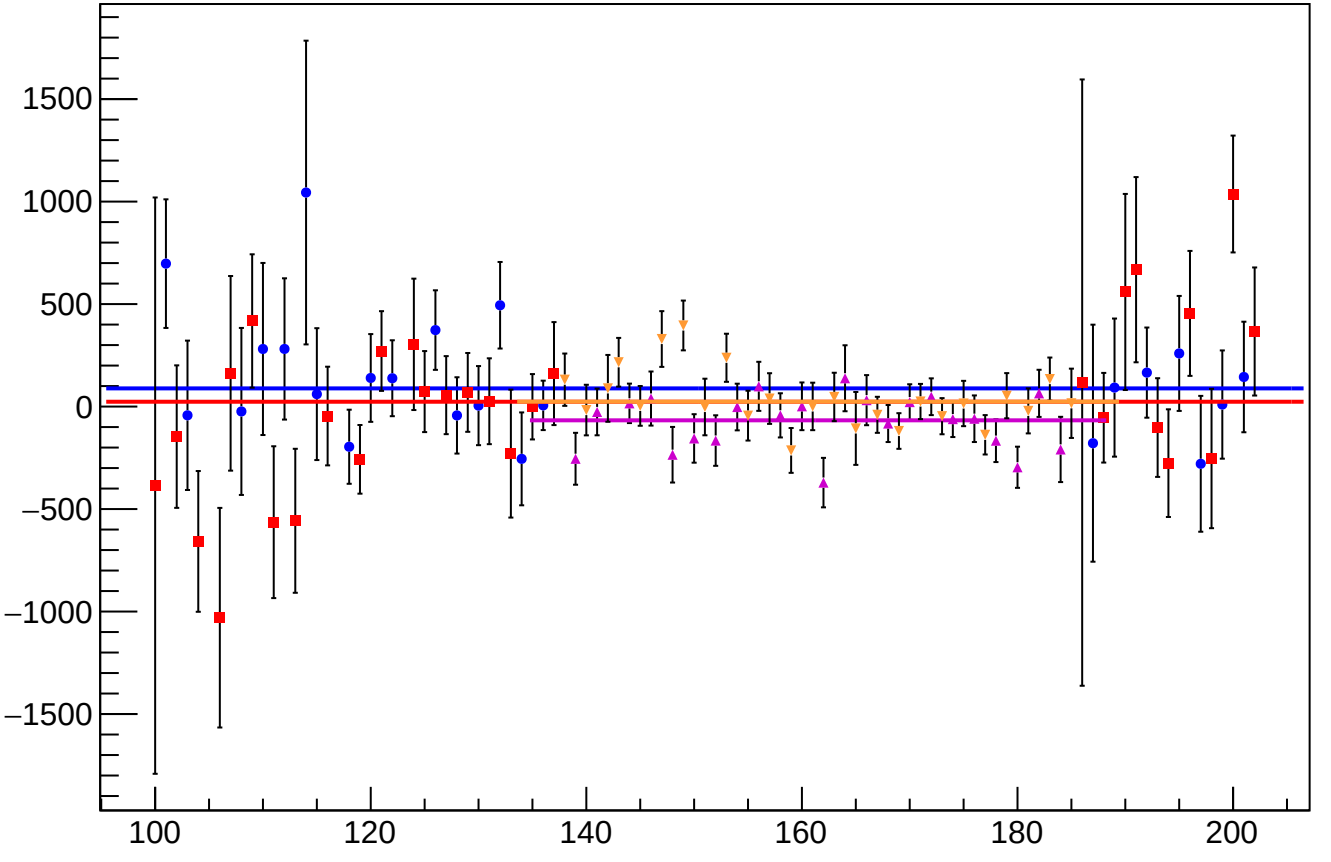
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 502.956+/-0.073 χ^2/NDF: 15646605.5/47

All: 507.196+/-0.052 χ^2/NDF: 33912037.1/99

- sign 511.630+/-0.075 χ^2/NDF: 18258531.8/51

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 88.683+/-49.611 χ^2/NDF: 20.1/22

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 23.601+/-49.268 χ^2/NDF: 42.8/28

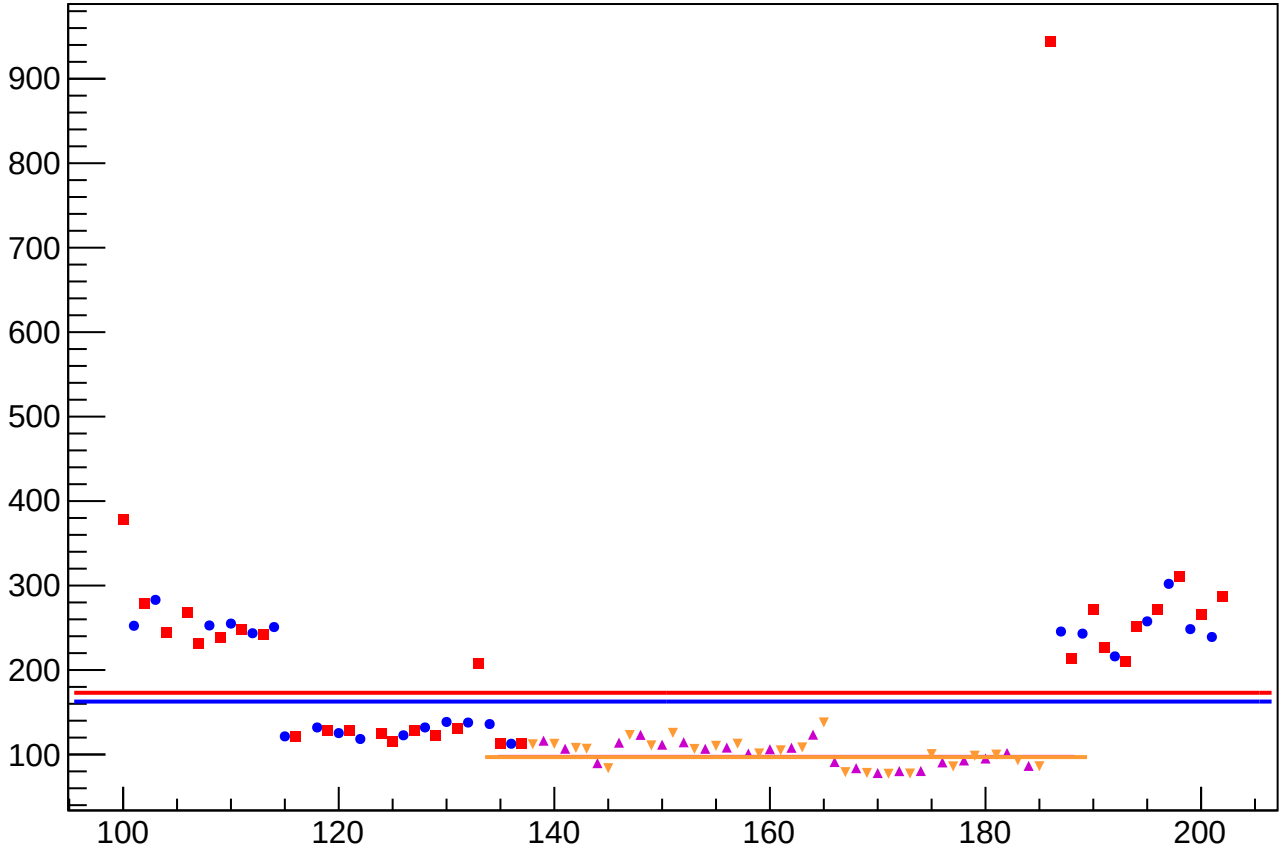
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 34.858+/-20.426 χ^2/NDF: 56.7/47

All: -6.886+/-14.619 χ^2/NDF: 139.6/99

- sign -50.718+/-20.931 χ^2/NDF: 74.3/51

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 162.647+/-0.035 χ^2/NDF: 2778236.6/22

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

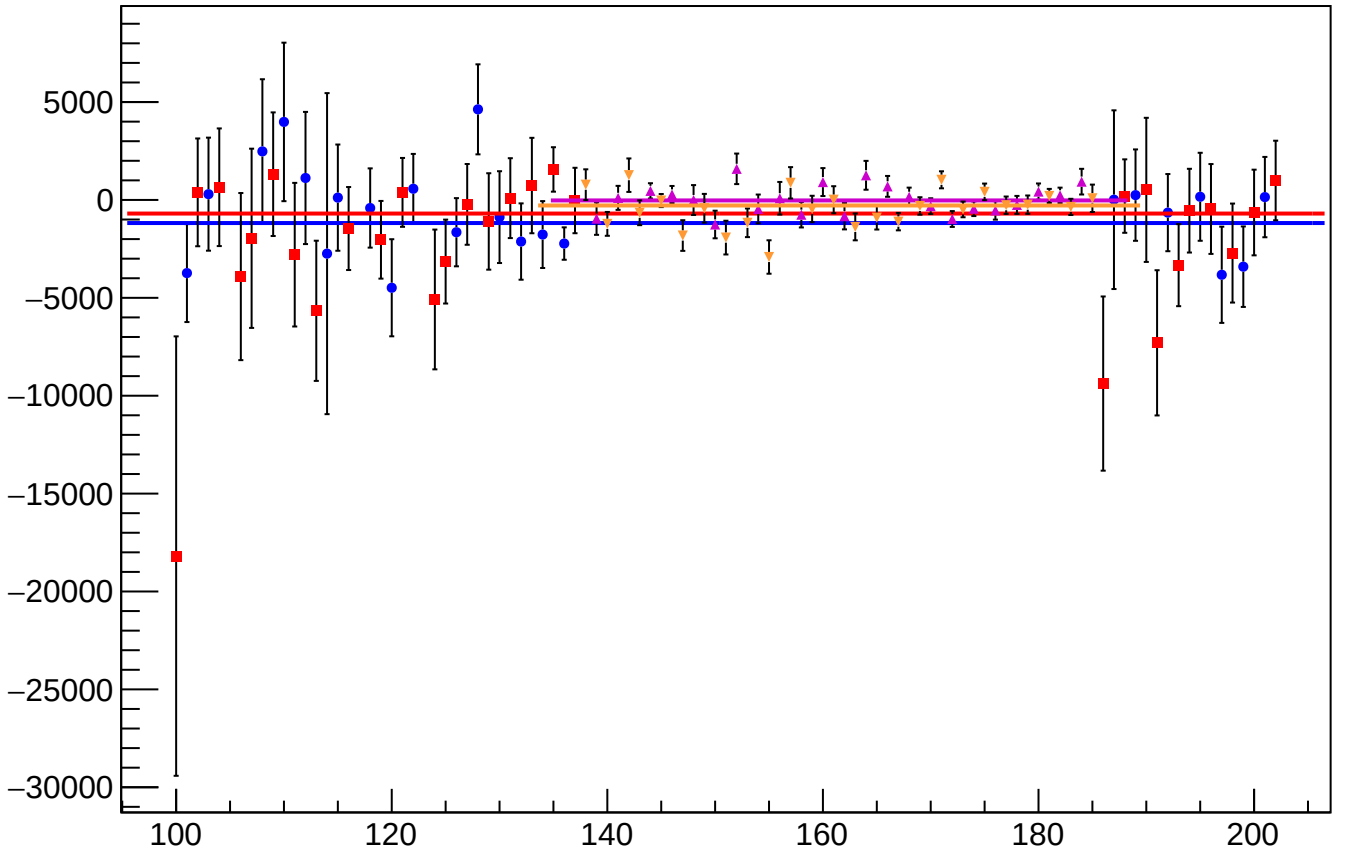
Right Out: 173.066+/-0.035 χ^2/NDF: 3913102.4/28

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 108.051+/-0.014 χ^2/NDF: 6628648.2/47

All: 109.425+/-0.010 χ^2/NDF: 15124668.0/99

- sign 110.866+/-0.015 χ^2/NDF: 8477491.3/51



Right In: -1179.490+/-427.638 χ^2/NDF: 19.6/22

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: -695.144+/-431.558 χ^2/NDF: 24.8/28

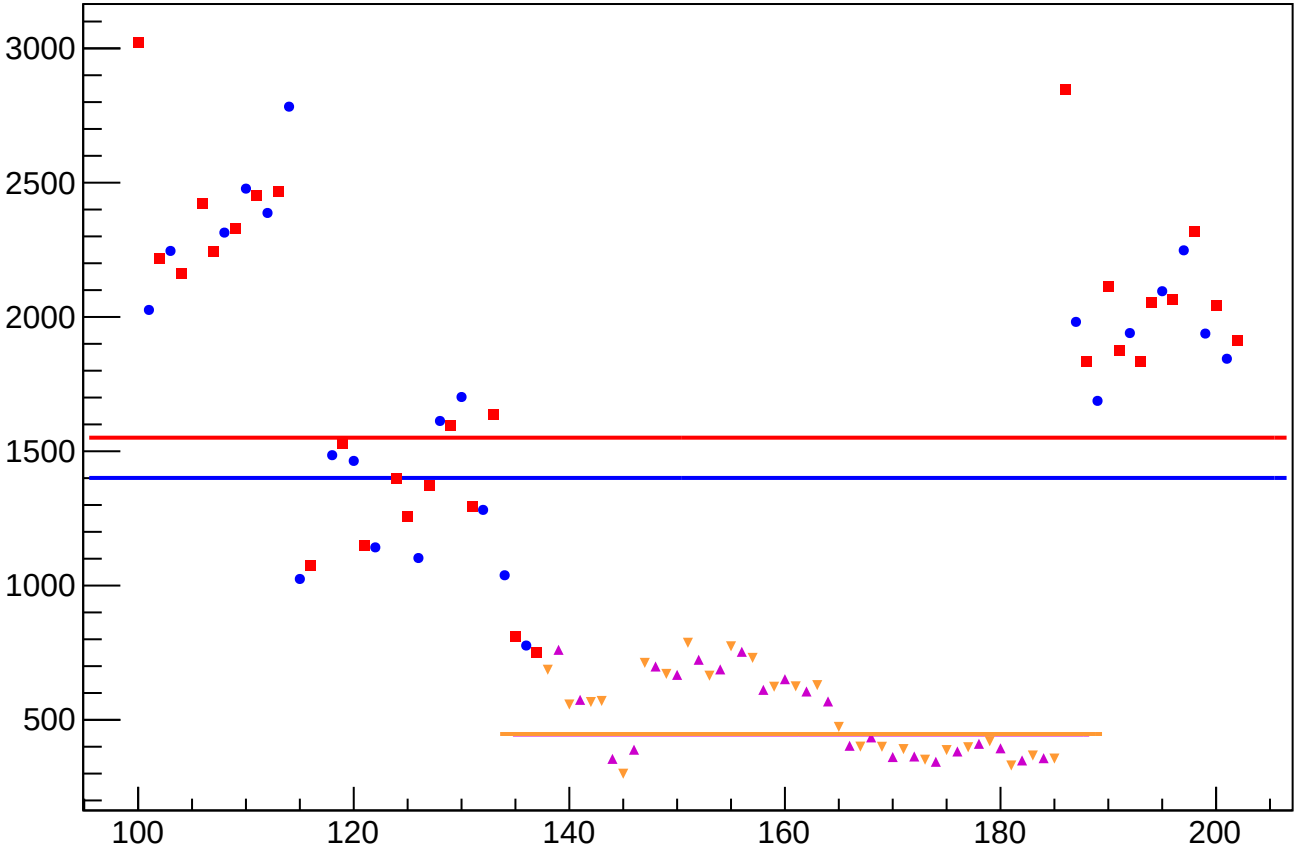
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -334.712+/-103.247 χ^2/NDF: 74.2/47

All: -202.743+/-73.816 χ^2/NDF: 137.5/99

- sign -64.755+/-105.575 χ^2/NDF: 60.0/51

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1400.725+/-0.302 χ^2/NDF: 3088549.3/22

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1550.614+/-0.305 χ^2/NDF: 3214977.0/28

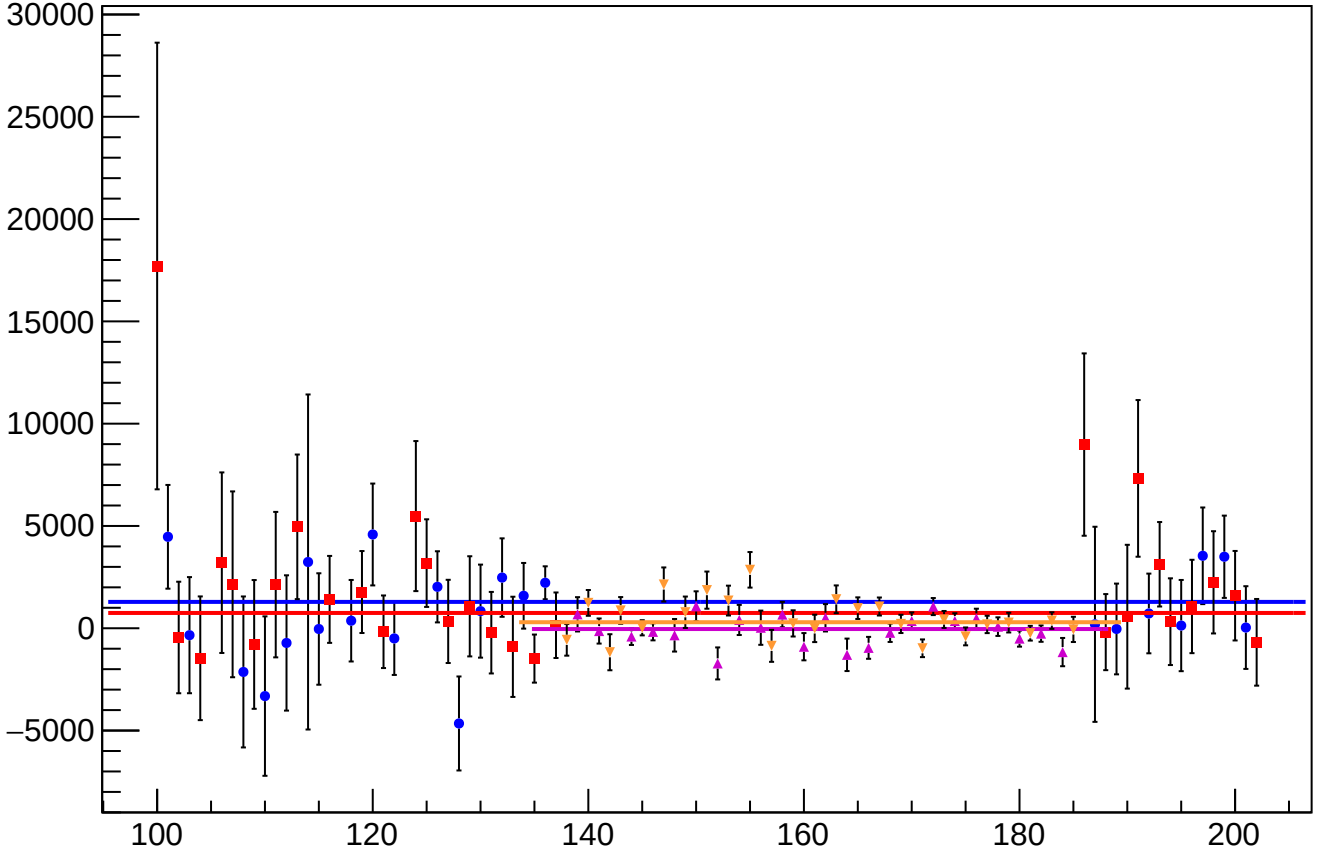
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 502.956+/-0.073 χ^2/NDF: 15646621.9/47

All: 507.196+/-0.052 χ^2/NDF: 33912059.5/99

- sign 511.630+/-0.075 χ^2/NDF: 18258537.6/51

asym_sam_26_avg_mean vs Slug



Right In: 1288.486+/-419.280 χ^2/NDF: 19.7/22

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 747.812+/-431.733 χ^2/NDF: 22.4/28

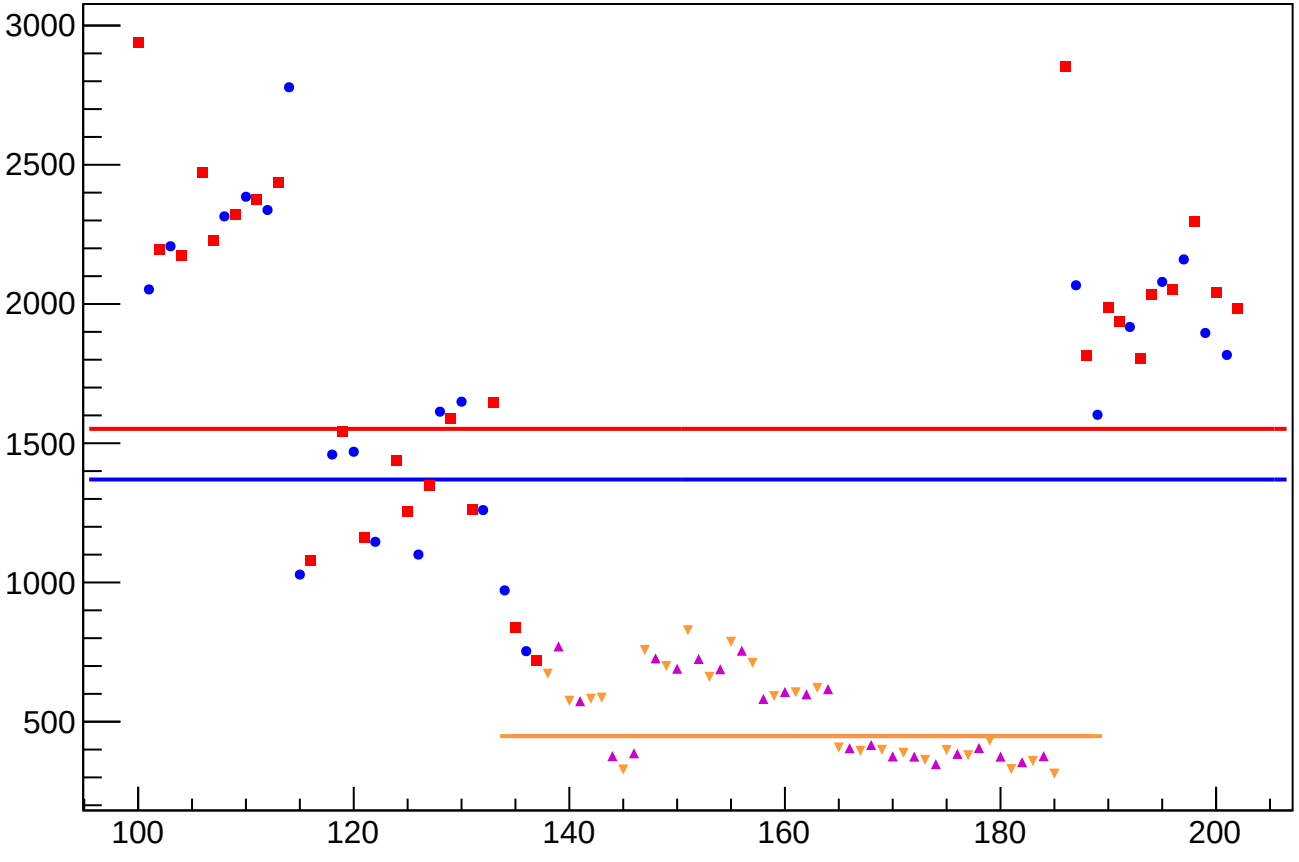
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 355.550+/-103.504 χ^2/NDF: 75.5/47

All: 186.475+/-74.045 χ^2/NDF: 139.4/99

- sign 9.244+/-105.971 χ^2/NDF: 58.5/51

asym_sam_26_avg_rms vs Slug



Right In: 1369.744+/-0.296 χ^2/NDF: 3175192.1/22

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1551.693+/-0.305 χ^2/NDF: 3144053.0/28

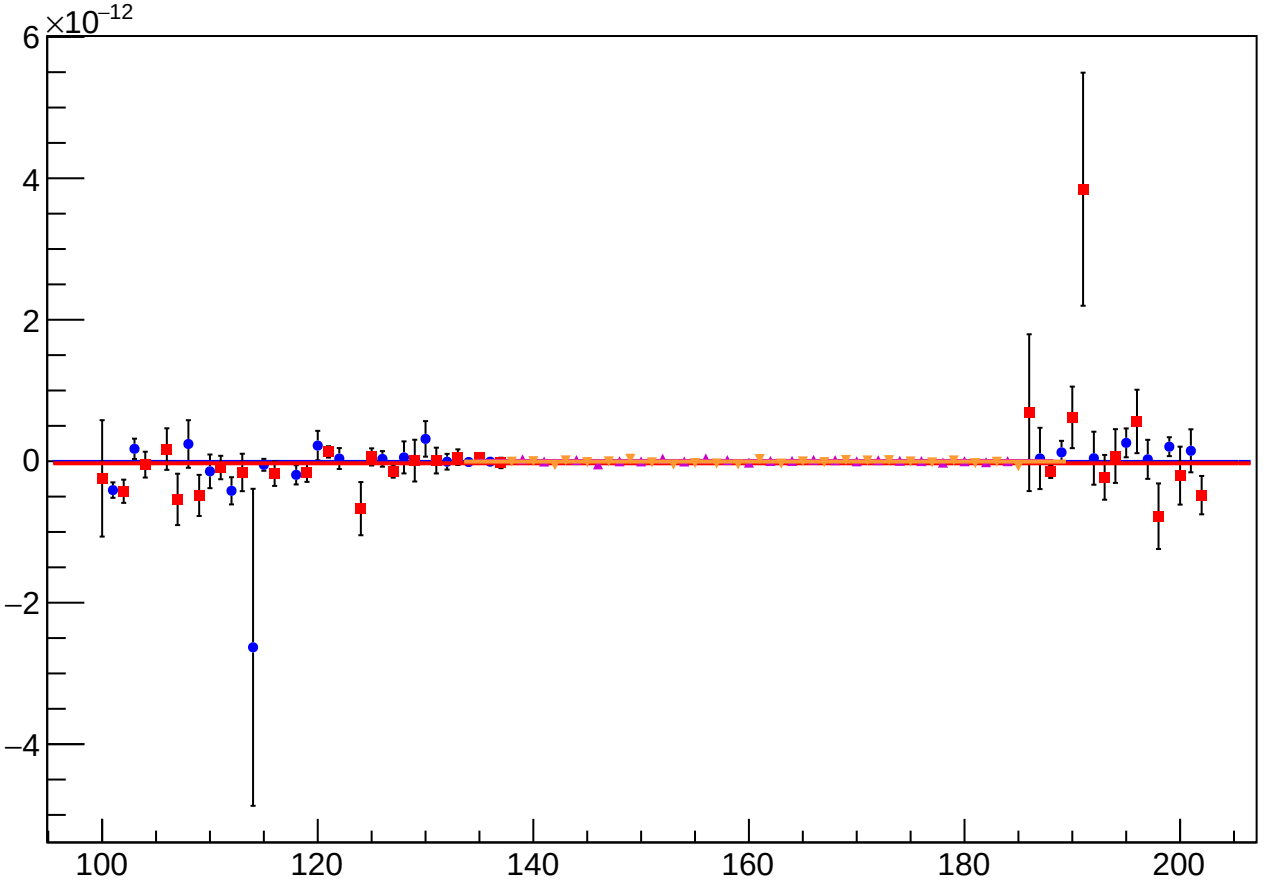
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 504.433+/-0.073 χ^2/NDF: 15403468.8/47

All: 509.528+/-0.052 χ^2/NDF: 33452490.5/99

- sign 514.869+/-0.075 χ^2/NDF: 18039095.2/51

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

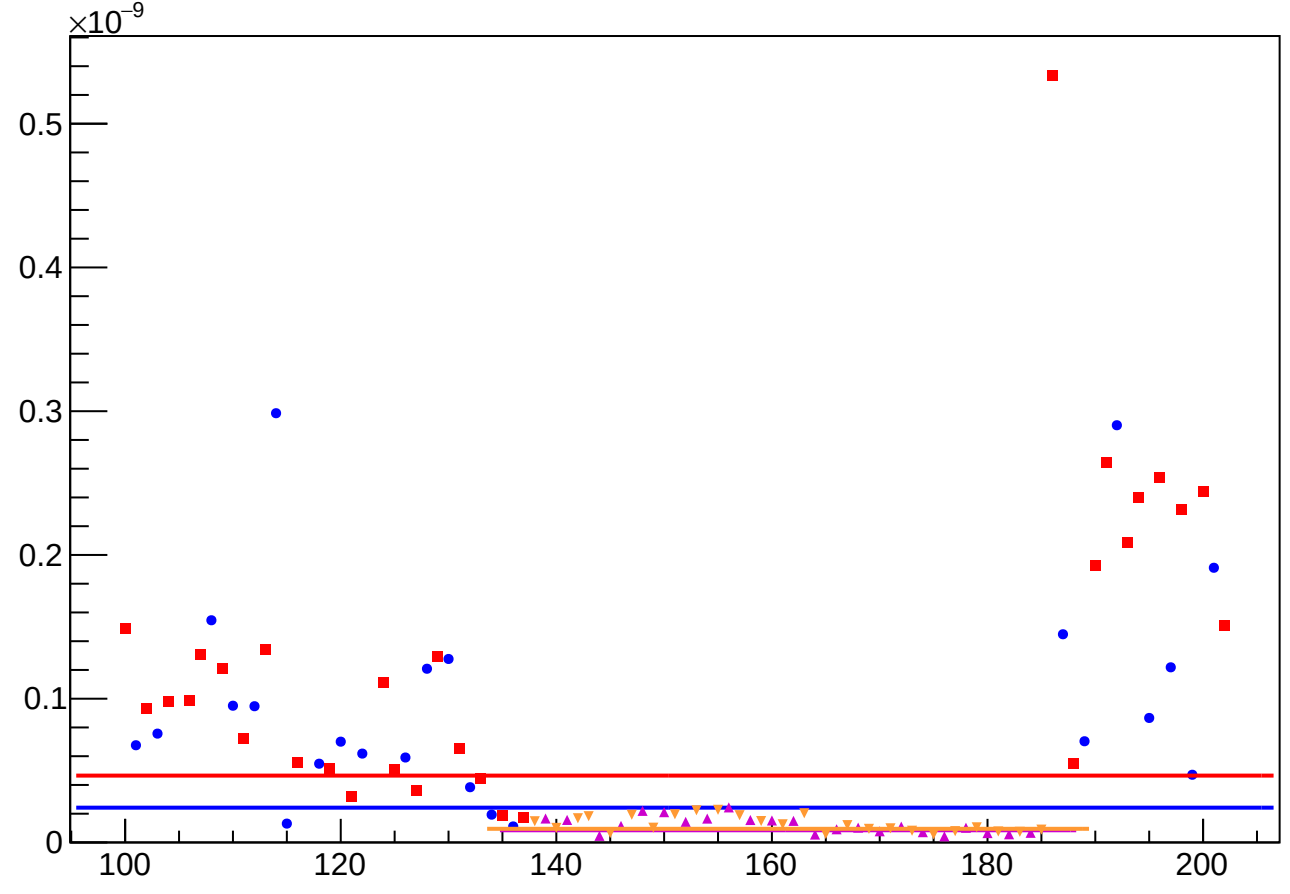
Right Out: -0.000+/-0.000 χ^2/NDF: 43.4/28

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.6/47

All: -0.000+/-0.000 χ^2/NDF: 119.7/99

- sign 0.000+/-0.000 χ^2/NDF: 61.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 5868039.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

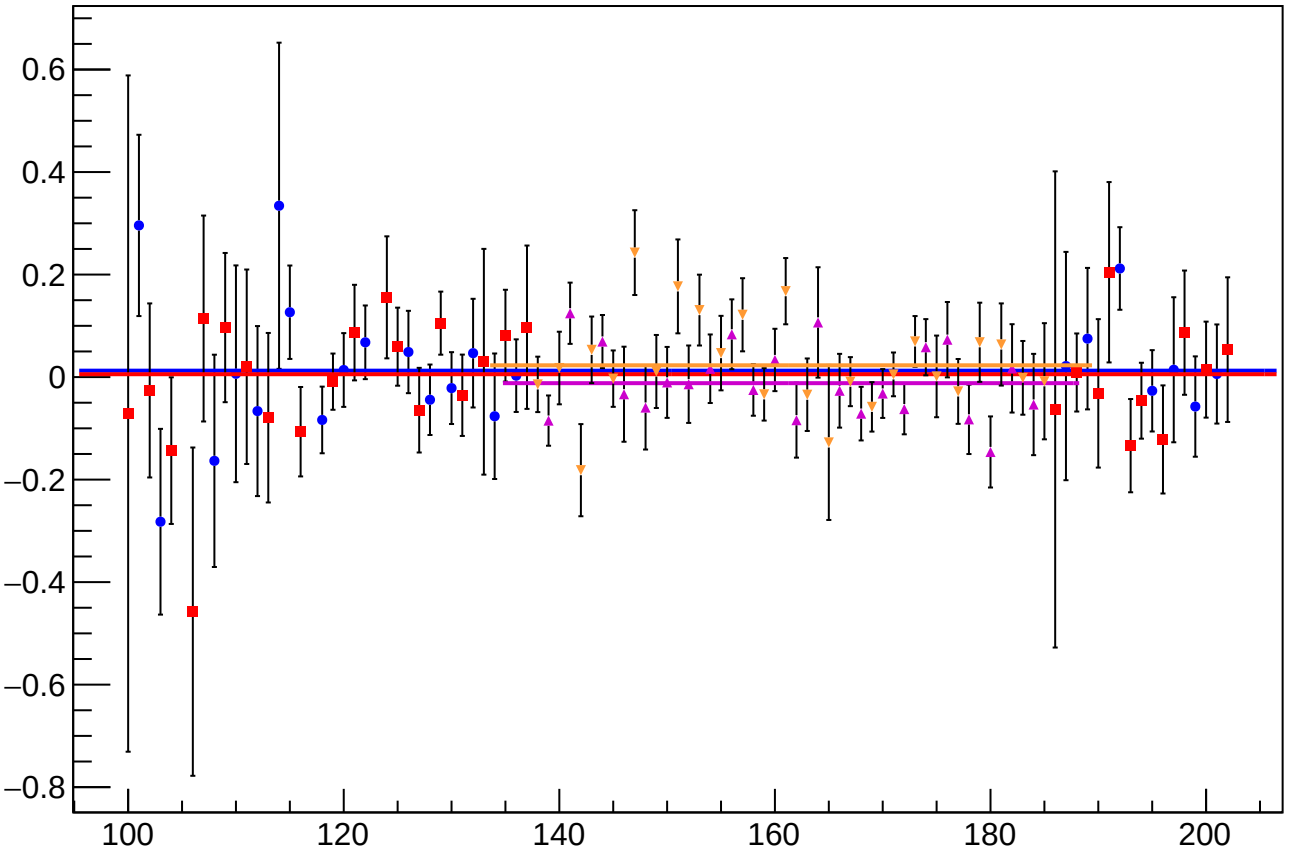
Right Out: 0.000+/-0.000 χ^2/NDF: 5440076.0/28

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9652581.6/47

All: 0.000+/-0.000 χ^2/NDF: 22112685.4/99

- sign 0.000+/-0.000 χ^2/NDF: 12399364.3/51



Right In: 0.013+/-0.020 χ^2/NDF: 20.4/22

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.006+/-0.019 χ^2/NDF: 19.6/28

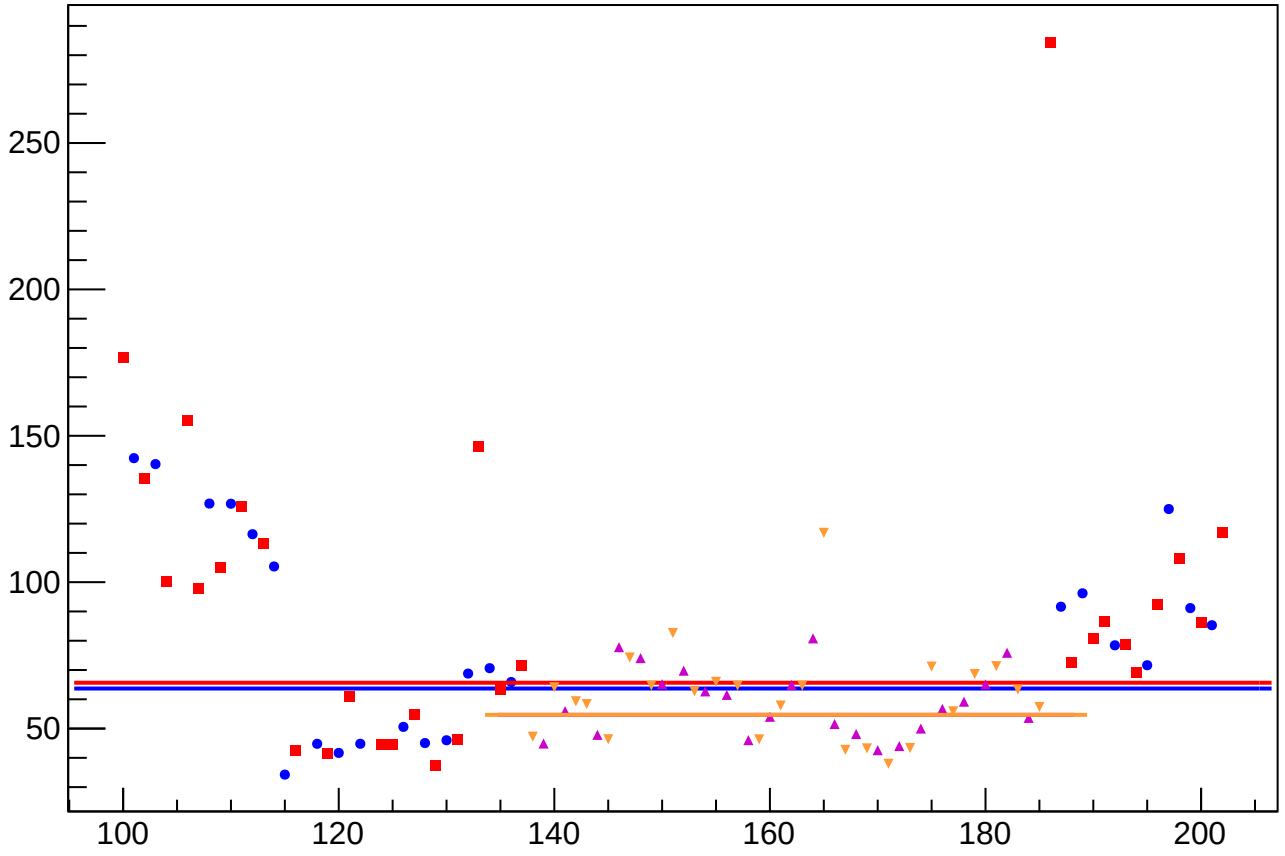
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/47

All: 0.007+/-0.008 χ^2/NDF: 103.7/99

- sign -0.006+/-0.011 χ^2/NDF: 46.1/51

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.675+/-0.014 χ^2/NDF: 3259508.9/22

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

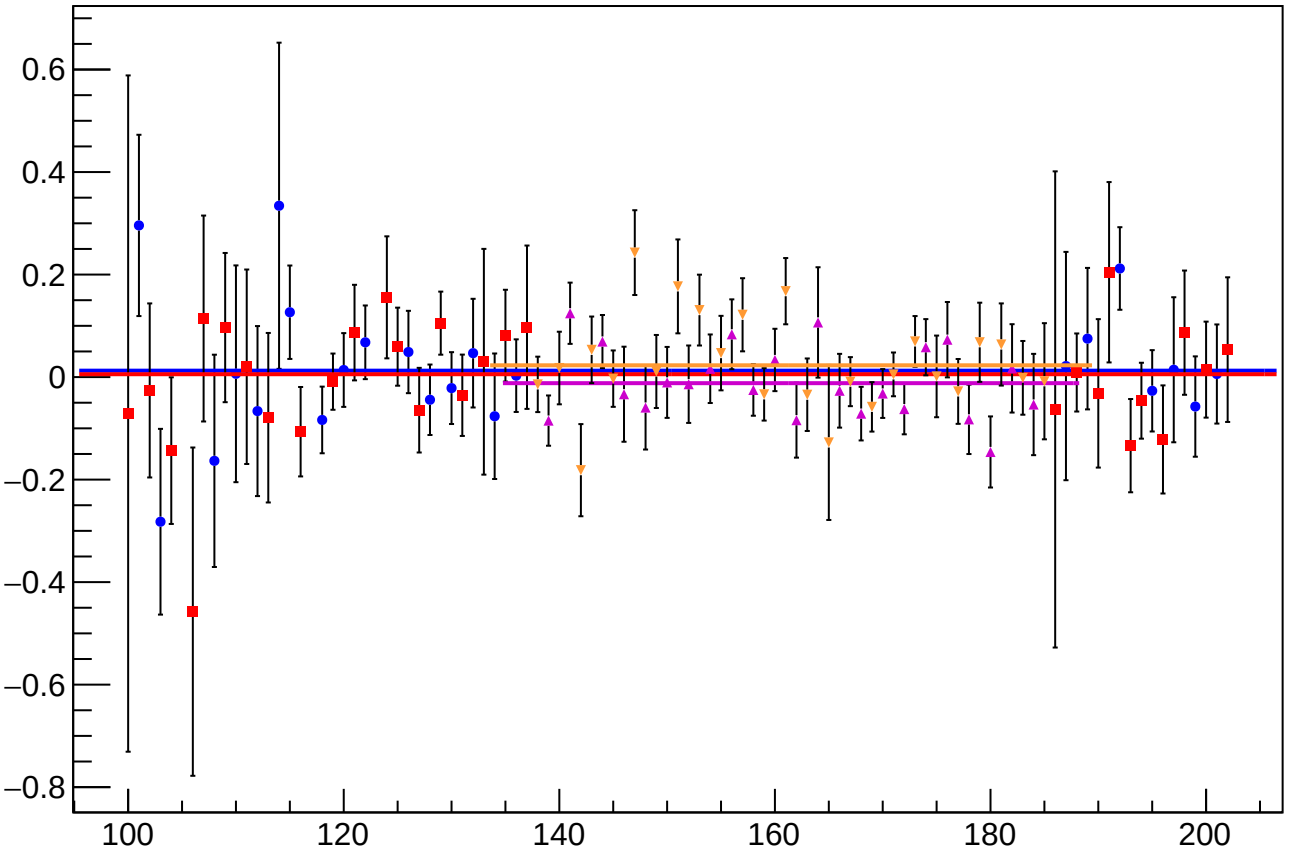
Right Out: 65.655+/-0.014 χ^2/NDF: 4131332.7/28

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 57.314+/-0.008 χ^2/NDF: 5478634.7/47

All: 57.760+/-0.005 χ^2/NDF: 11246891.3/99

\- sign 58.210+/-0.008 χ^2/NDF: 5761499.6/51



Right In: 0.013+/-0.020 χ^2/NDF: 20.4/22

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

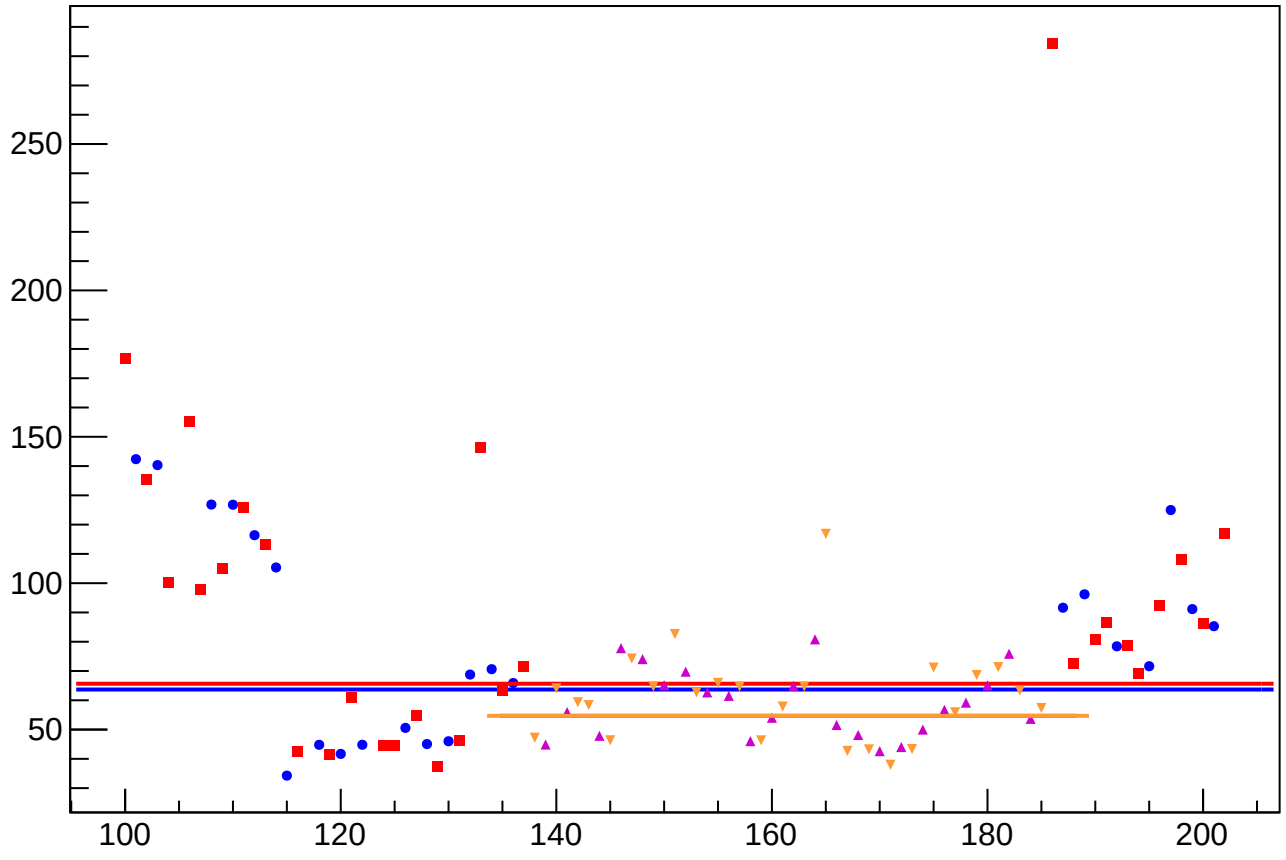
Right Out: 0.006+/-0.019 χ^2/NDF: 19.6/28

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/47

All: 0.007+/-0.008 χ^2/NDF: 103.7/99

- sign -0.006+/-0.011 χ^2/NDF: 46.1/51



Right In: 63.675+/-0.014 χ^2/NDF: 3259508.9/22

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

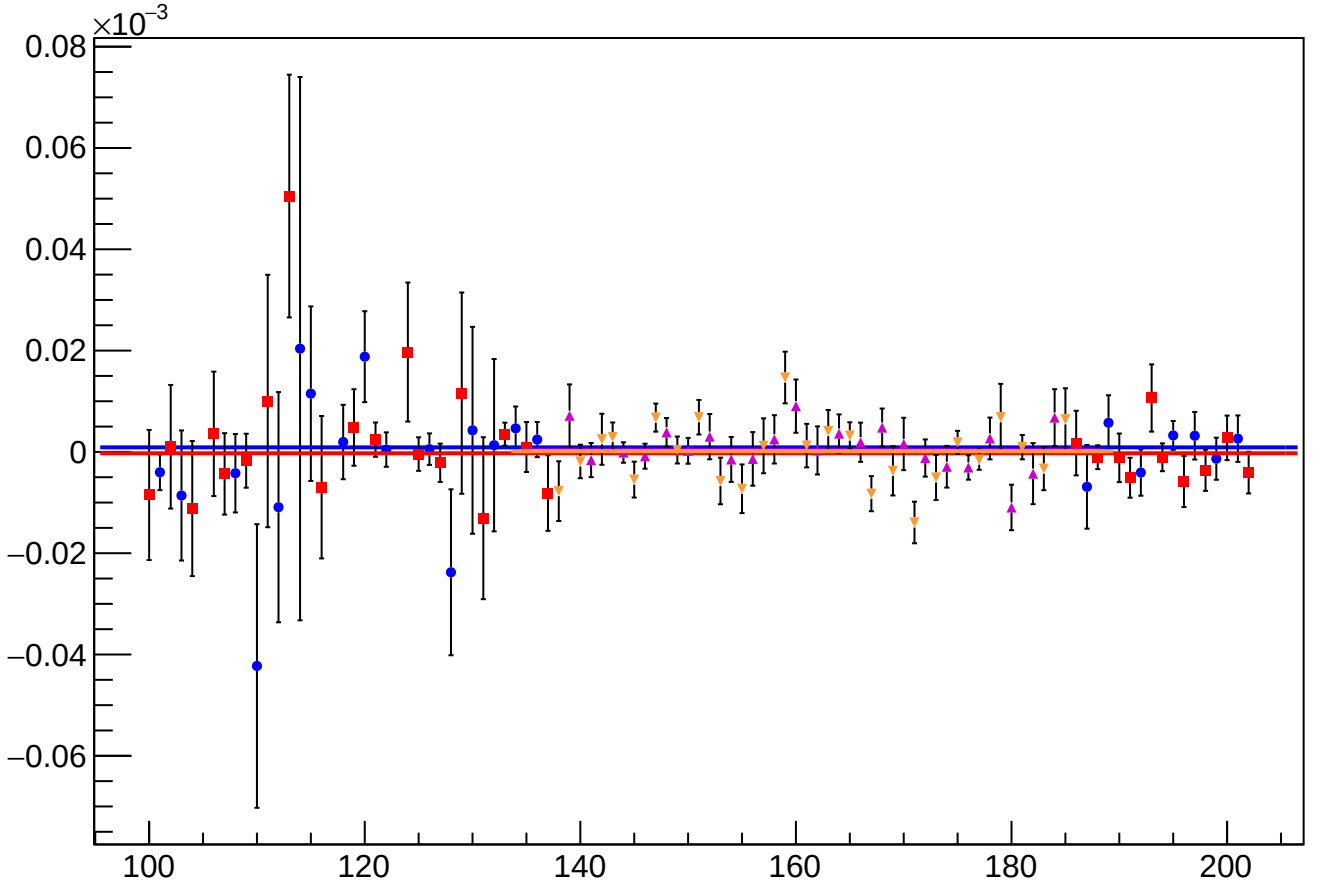
Right Out: 65.655+/-0.014 χ^2/NDF: 4131332.7/28

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 57.314+/-0.008 χ^2/NDF: 5478634.7/47

All: 57.760+/-0.005 χ^2/NDF: 11246891.3/99

\- sign 58.210+/-0.008 χ^2/NDF: 5761499.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/28

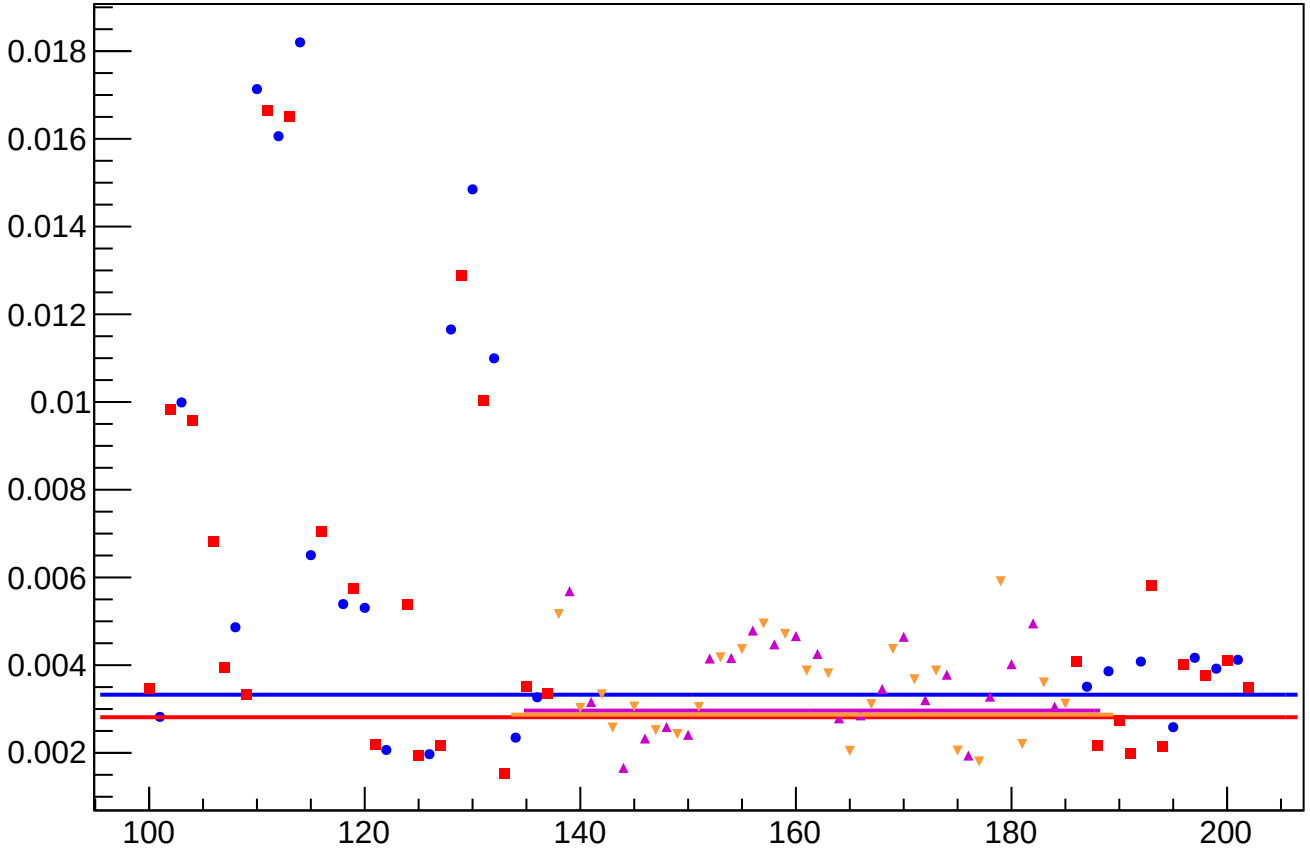
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.6/47

All: 0.000+/-0.000 χ^2/NDF: 115.3/99

- sign 0.000+/-0.000 χ^2/NDF: 43.5/51

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4945556.8/22

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

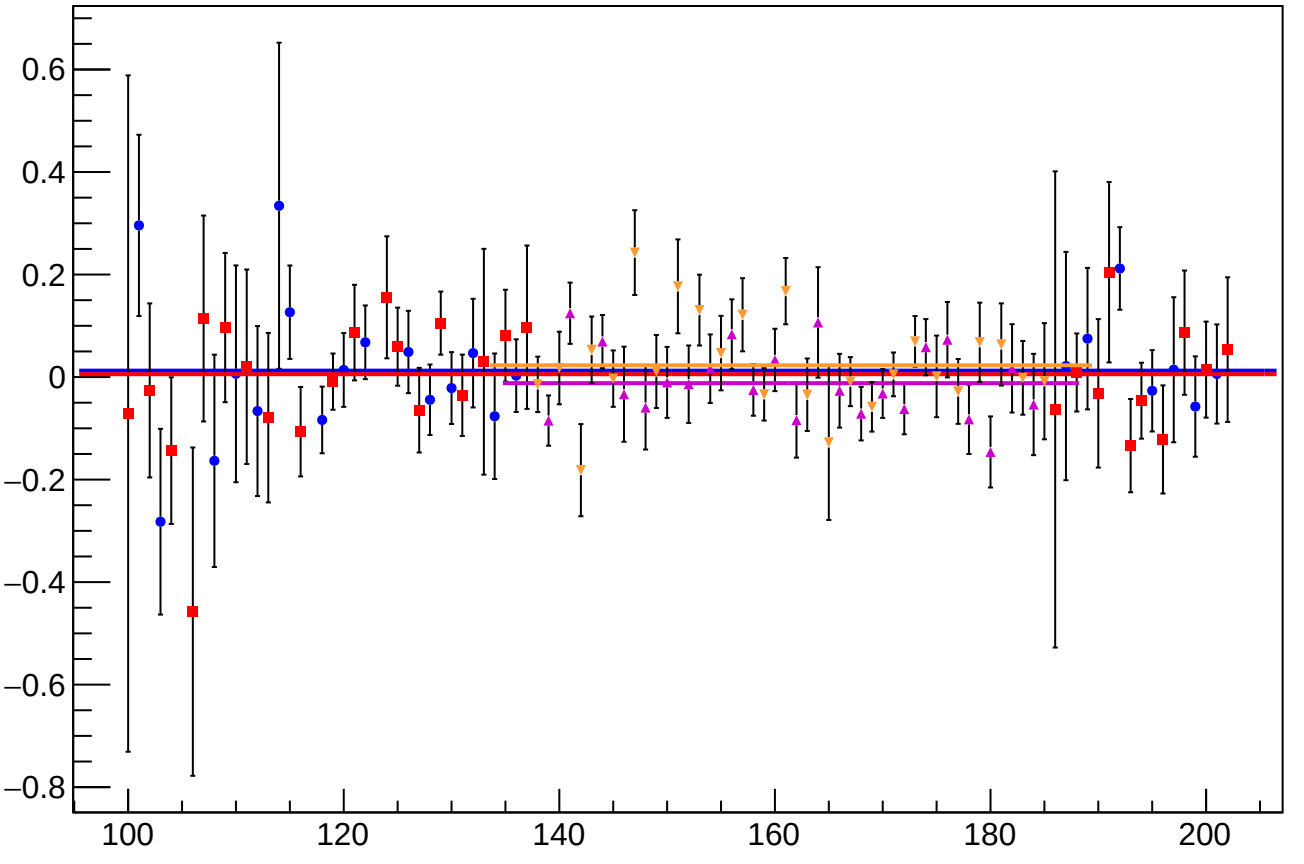
Right Out: 0.003+/-0.000 χ^2/NDF: 6449352.7/28

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8796421.2/47

All: 0.003+/-0.000 χ^2/NDF: 18931144.4/99

- sign 0.003+/-0.000 χ^2/NDF: 10102512.2/51



Right In: 0.013+/-0.020 χ^2/NDF: 20.4/22

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

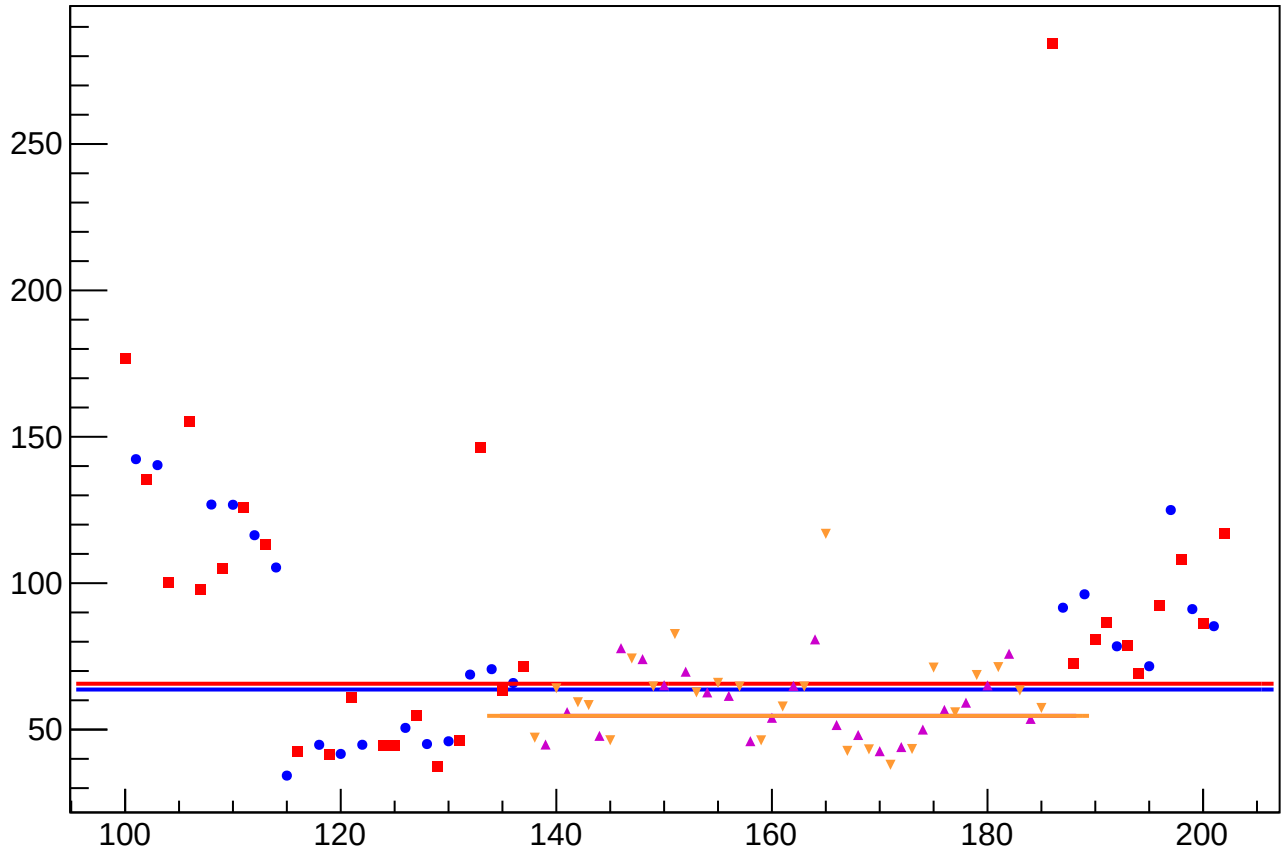
Right Out: 0.006+/-0.019 χ^2/NDF: 19.6/28

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/47

All: 0.007+/-0.008 χ^2/NDF: 103.7/99

- sign -0.006+/-0.011 χ^2/NDF: 46.1/51



Right In: 63.675+/-0.014 χ^2/NDF: 3259493.7/22

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

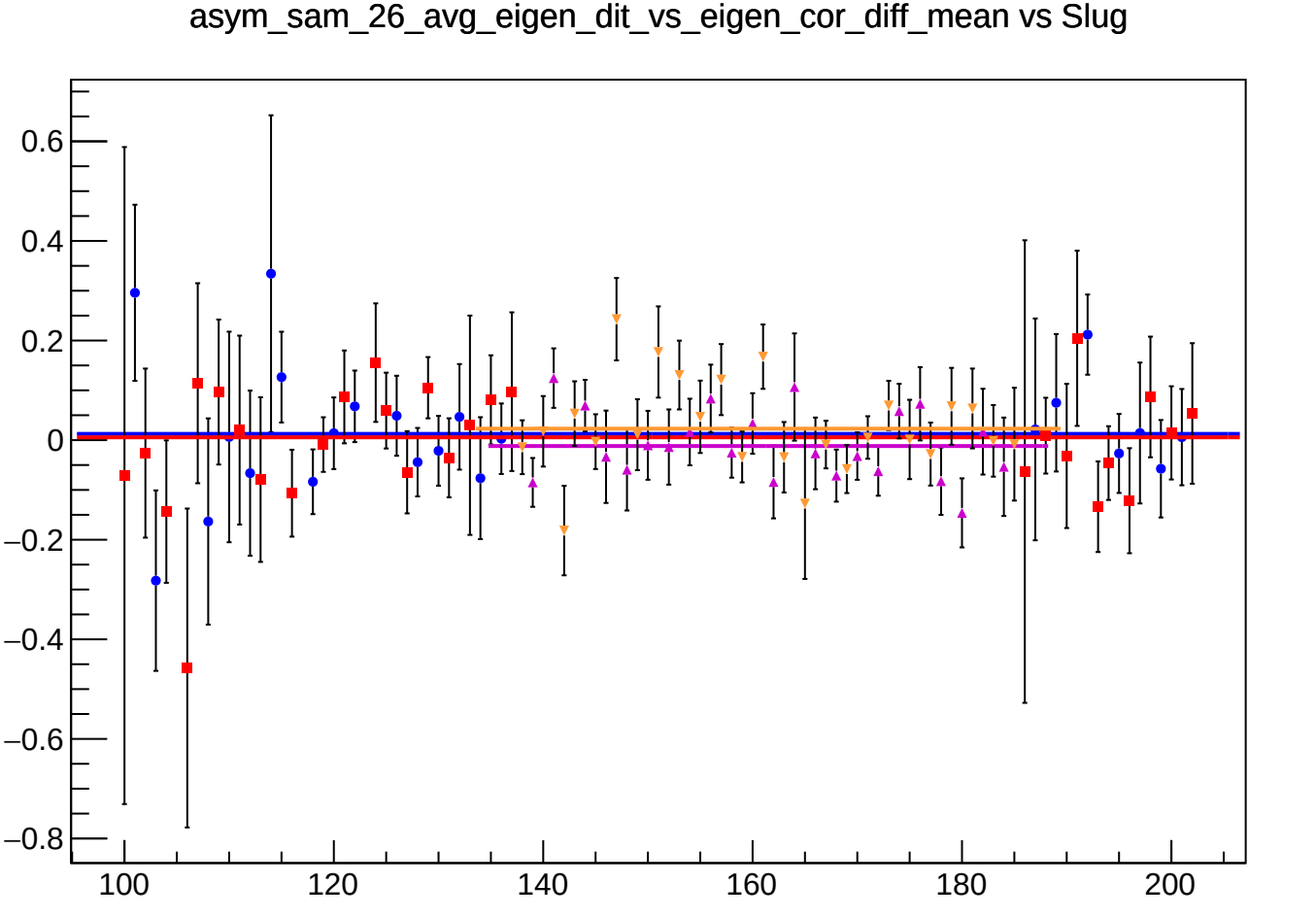
Right Out: 65.654+/-0.014 χ^2/NDF: 4131349.2/28

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

\+ sign 57.314+/-0.008 χ^2/NDF: 5478570.9/47

All: 57.760+/-0.005 χ^2/NDF: 11246735.4/99

\- sign 58.210+/-0.008 χ^2/NDF: 5761406.8/51



Right In: 0.013+/-0.020 χ^2/NDF: 20.4/22

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

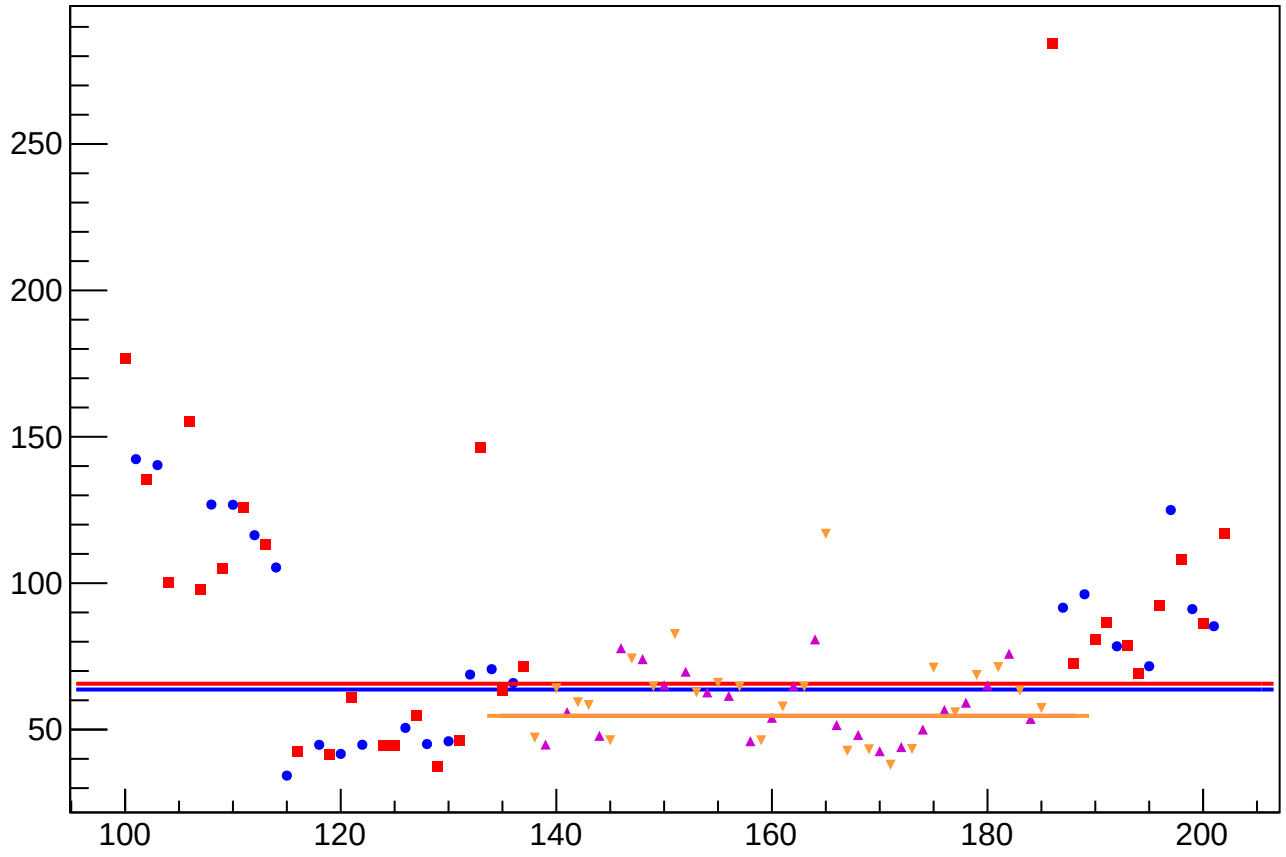
Right Out: 0.006+/-0.019 χ^2/NDF: 19.6/28

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/47

All: 0.007+/-0.008 χ^2/NDF: 103.7/99

- sign -0.006+/-0.011 χ^2/NDF: 46.1/51



Right In: 63.675+/-0.014 χ^2/NDF: 3259493.7/22

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

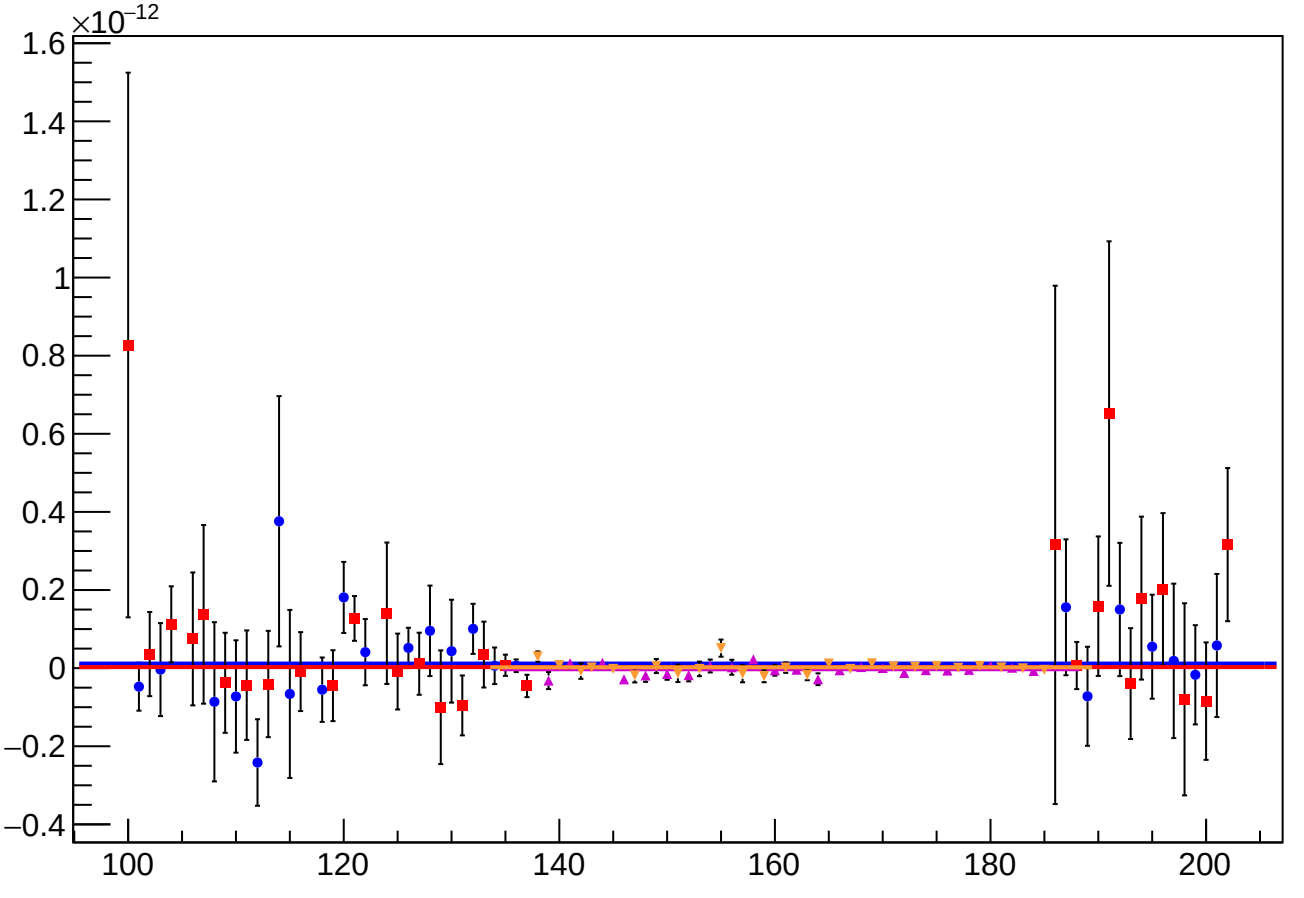
Right Out: 65.654+/-0.014 χ^2/NDF: 4131349.2/28

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 57.314+/-0.008 χ^2/NDF: 5478570.9/47

All: 57.760+/-0.005 χ^2/NDF: 11246735.4/99

- sign 58.210+/-0.008 χ^2/NDF: 5761406.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

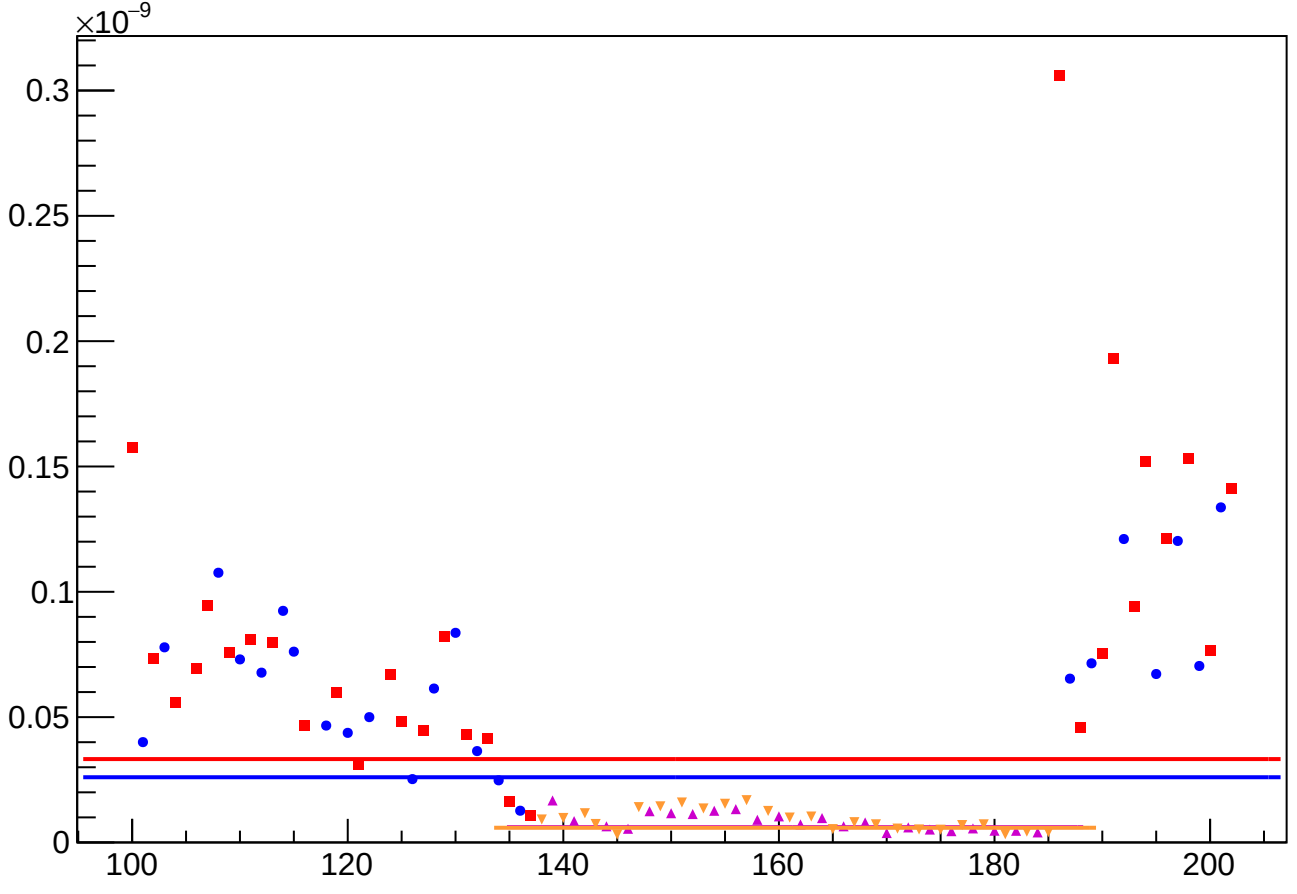
Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/28

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.9/47

All: -0.000+/-0.000 χ^2/NDF: 98.3/99

- sign -0.000+/-0.000 χ^2/NDF: 55.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 6403062.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7501218.1/28

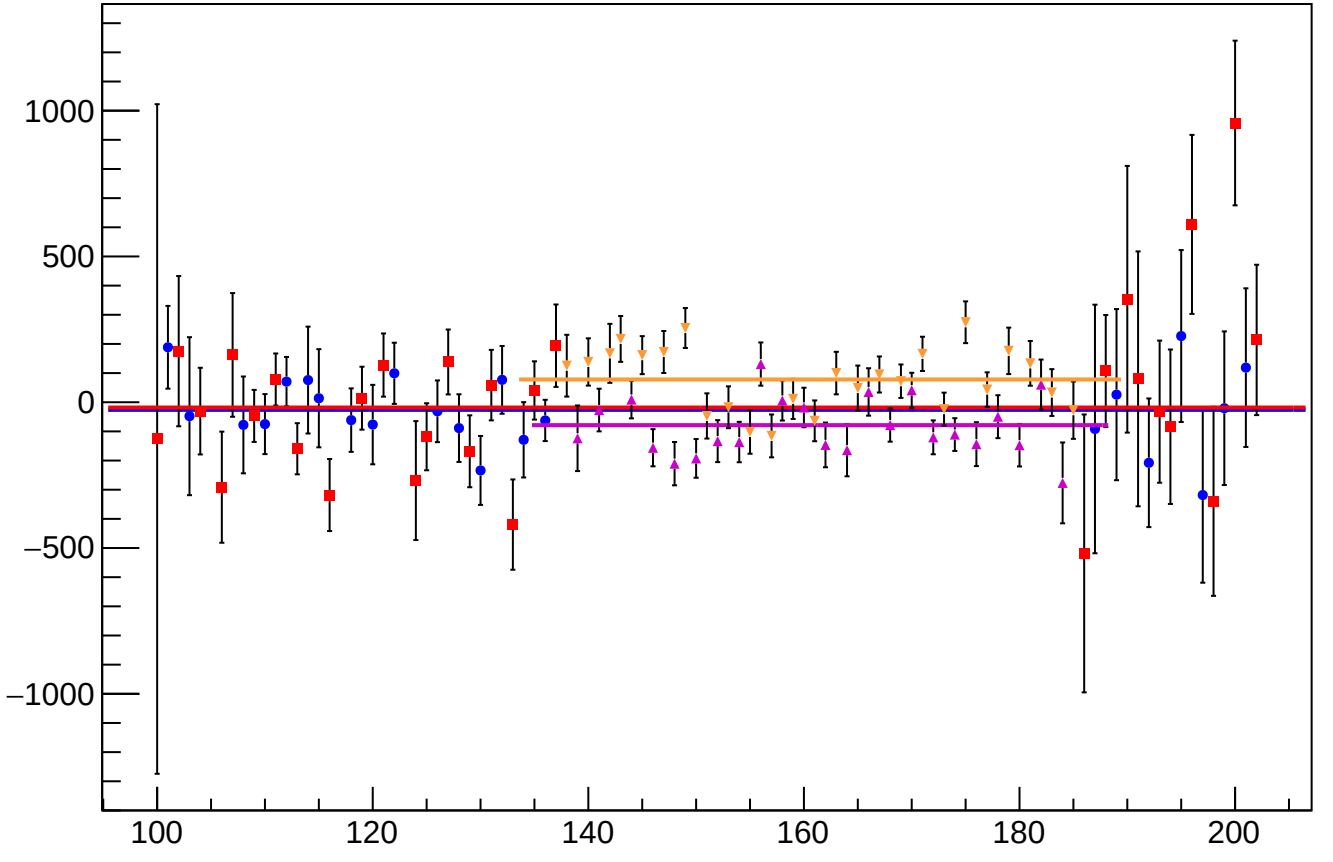
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16920206.9/47

All: 0.000+/-0.000 χ^2/NDF: 34505263.4/99

- sign 0.000+/-0.000 χ^2/NDF: 17559758.5/51

reg_asym_sam_37_avg_mean vs Slug



Right In: -26.107+/-27.903 χ^2/NDF: 13.7/22

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -18.065+/-27.162 χ^2/NDF: 50.7/28

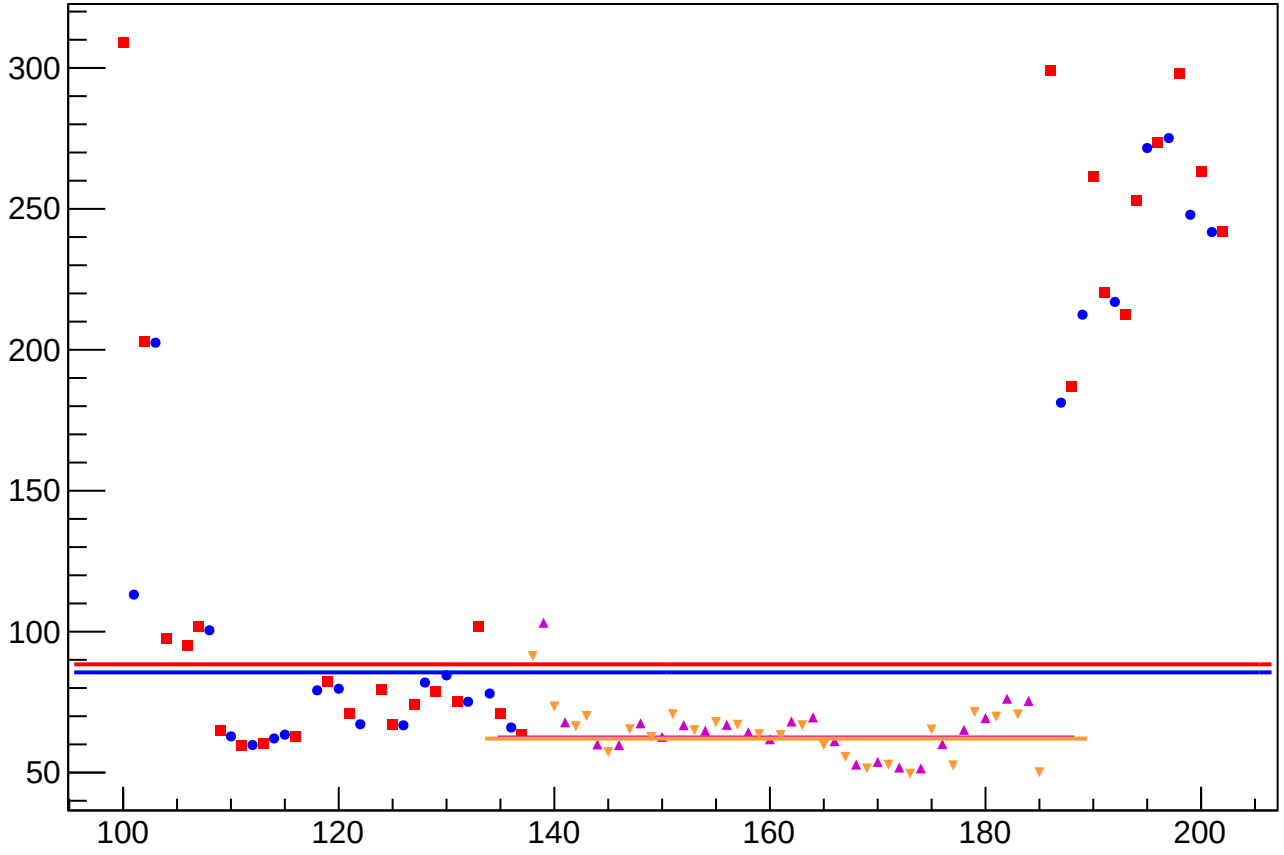
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.409+/-12.744 χ^2/NDF: 78.7/47

All: -2.902+/-9.102 χ^2/NDF: 214.0/99

- sign -64.653+/-13.004 χ^2/NDF: 91.2/51

reg_asym_sam_37_avg_rms vs Slug



Right In: 85.558+/-0.020 χ^2/NDF: 5321249.0/22

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

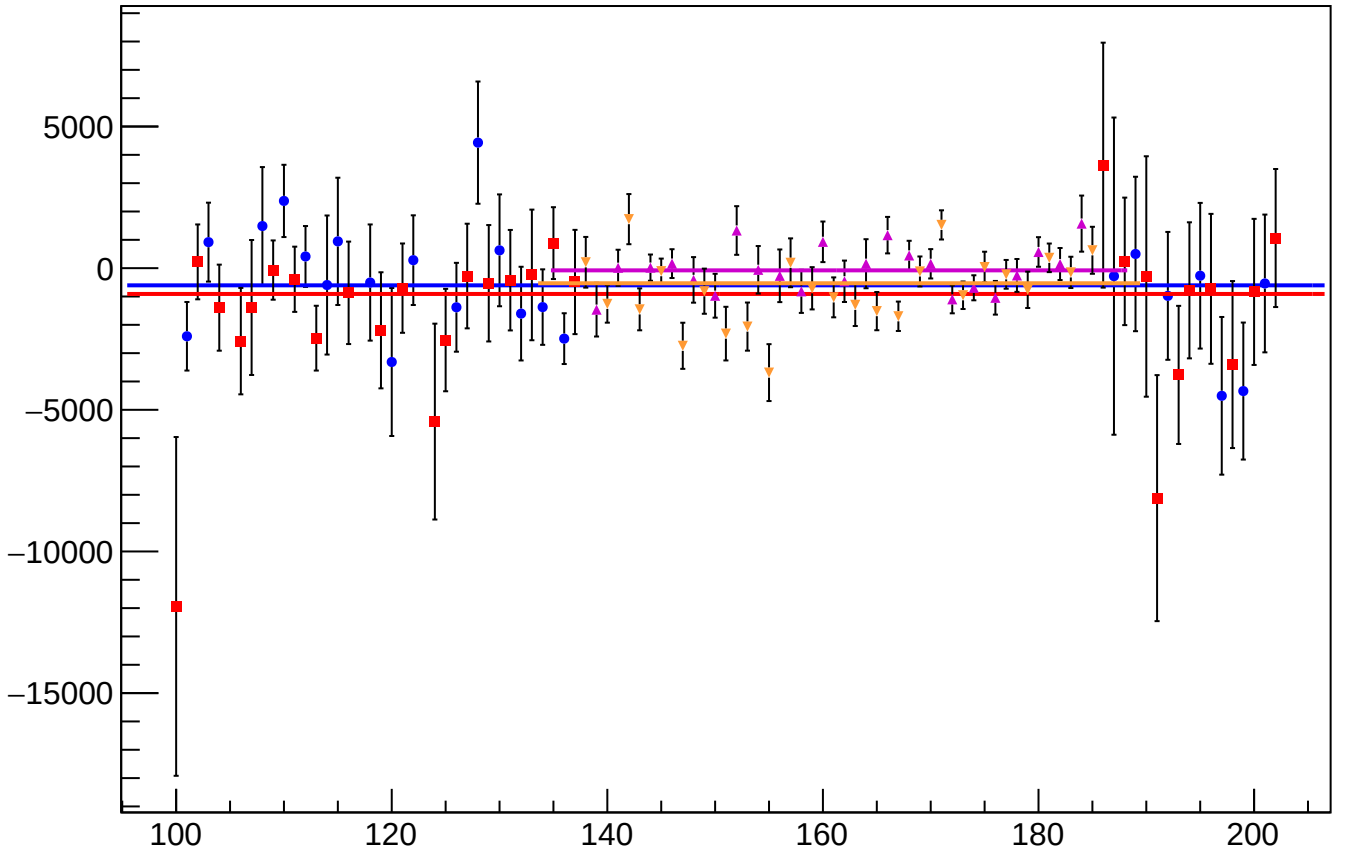
Right Out: 88.405+/-0.019 χ^2/NDF: 7176284.1/28

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.964+/-0.009 χ^2/NDF: 7130036.8/47

All: 67.665+/-0.006 χ^2/NDF: 16391508.6/99

- sign 68.395+/-0.009 χ^2/NDF: 9249111.5/51



Right In: -606.173+/-351.508 χ^2/NDF: 28.4/22

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -910.506+/-343.096 χ^2/NDF: 20.0/28

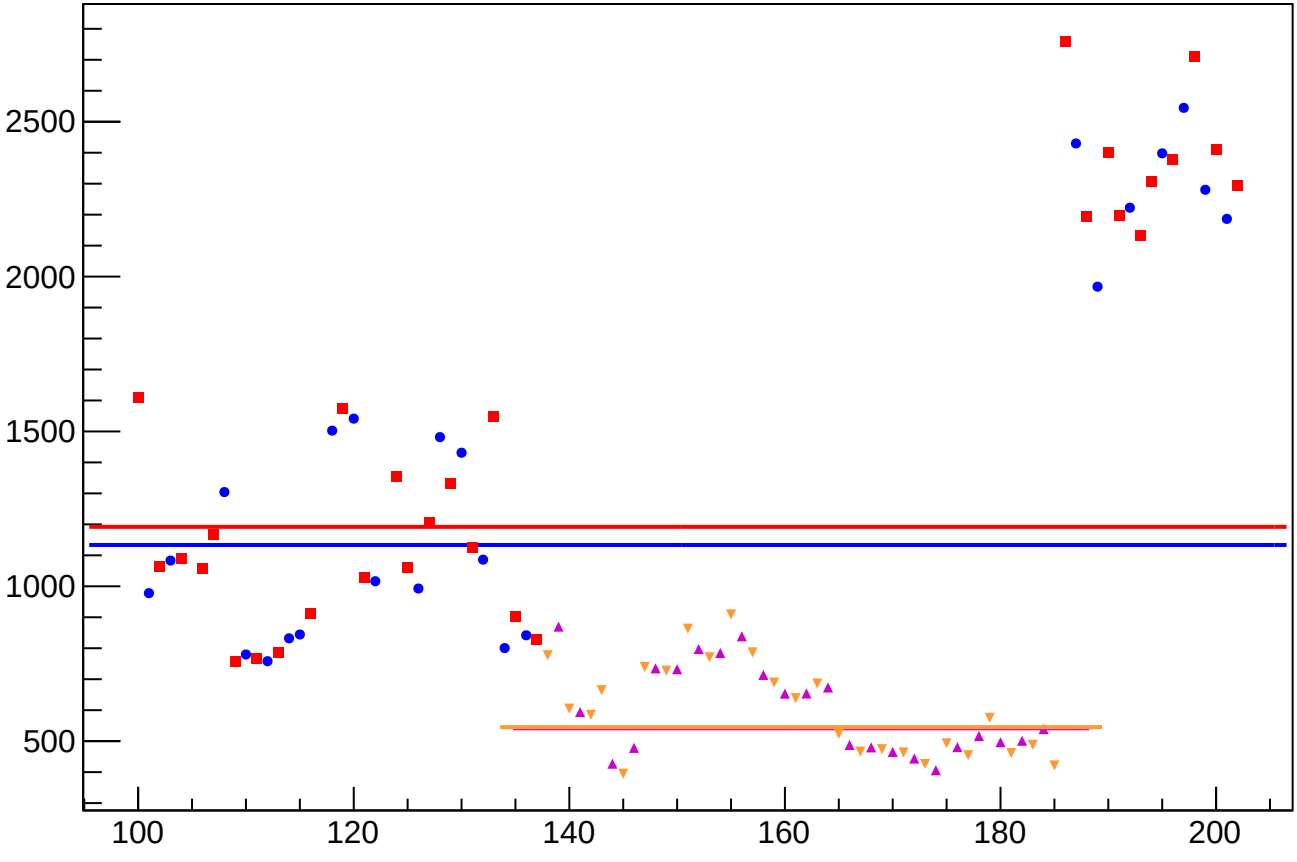
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -541.363+/-120.213 χ^2/NDF: 97.5/47

All: -364.288+/-85.568 χ^2/NDF: 155.4/99

- sign -182.431+/-121.825 χ^2/NDF: 53.5/51

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1133.430+/-0.249 χ^2/NDF: 3669685.2/22

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1192.016+/-0.243 χ^2/NDF: 4757633.4/28

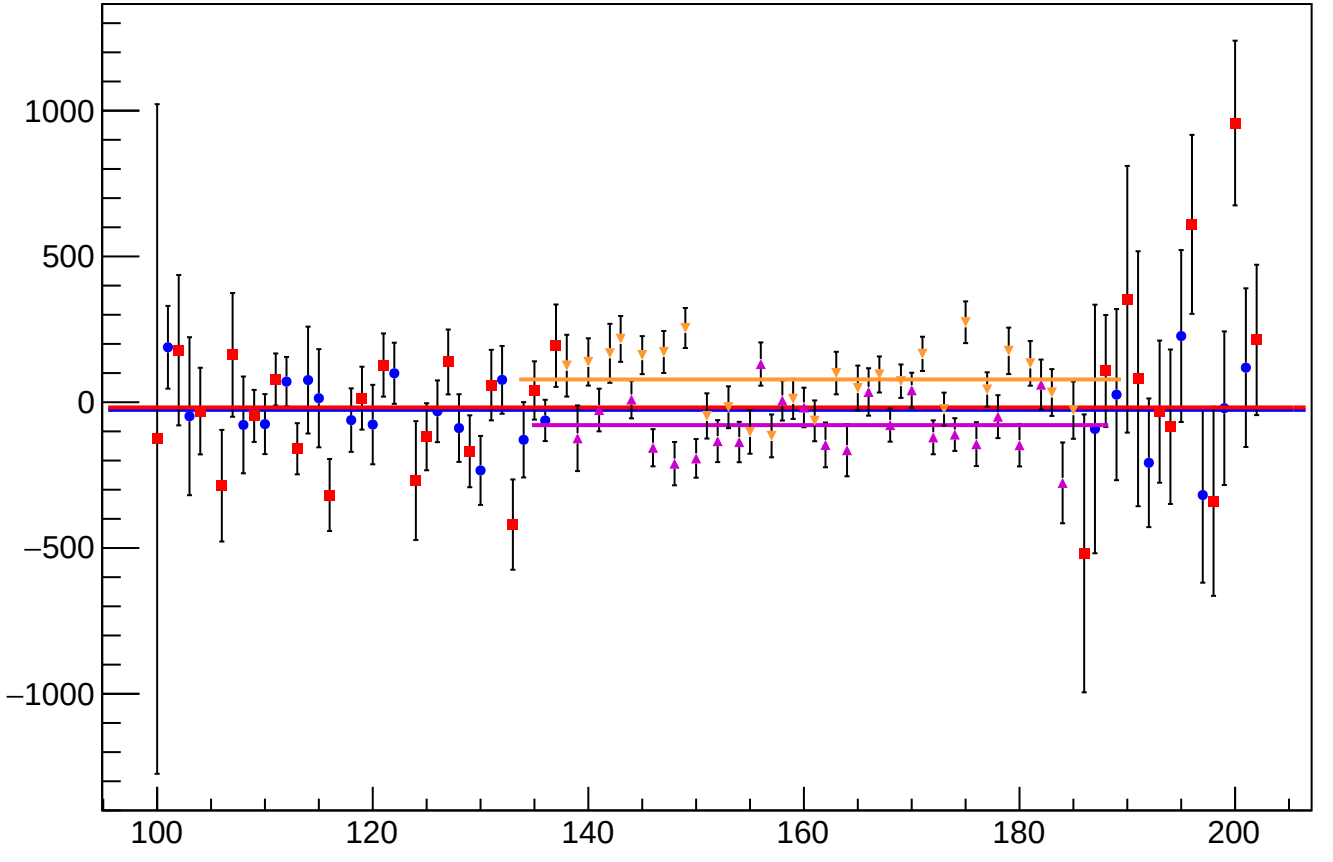
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 614.090+/-0.085 χ^2/NDF: 10697399.6/47

All: 618.723+/-0.061 χ^2/NDF: 23585506.2/99

- sign 623.480+/-0.086 χ^2/NDF: 12882087.2/51

cor_asym_sam_37_avg_mean vs Slug



Right In: -26.116+/-27.903 χ^2/NDF: 13.7/22

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -17.879+/-27.164 χ^2/NDF: 50.6/28

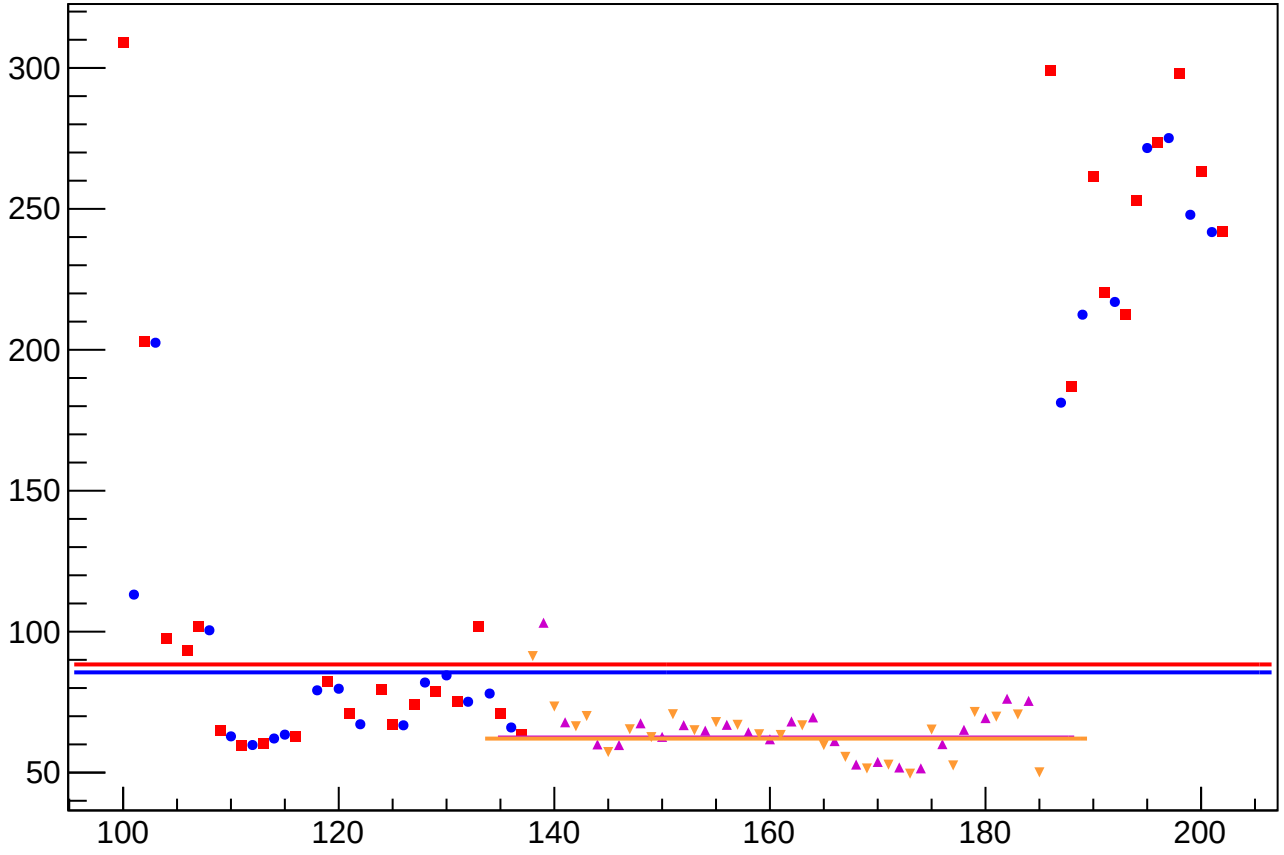
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.410+/-12.744 χ^2/NDF: 78.7/47

All: -2.880+/-9.102 χ^2/NDF: 213.9/99

- sign -64.612+/-13.004 χ^2/NDF: 91.1/51

cor_asym_sam_37_avg_rms vs Slug



Right In: 85.558+/-0.020 χ^2/NDF: 5321251.3/22

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

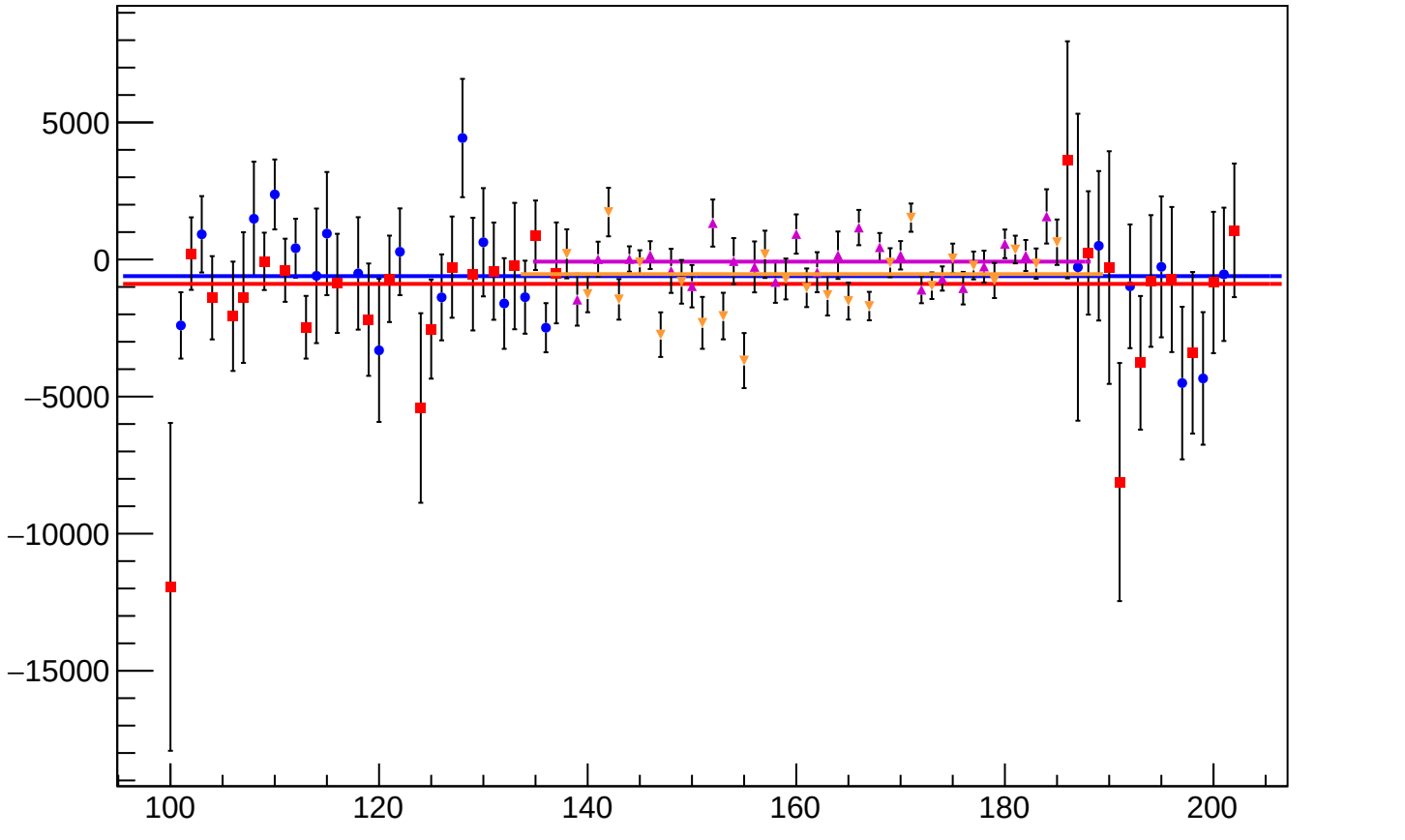
Right Out: 88.369+/-0.019 χ^2/NDF: 7175410.7/28

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.964+/-0.009 χ^2/NDF: 7130038.7/47

All: 67.661+/-0.006 χ^2/NDF: 16386438.6/99

- sign 68.386+/-0.009 χ^2/NDF: 9244194.4/51



Right In: -606.161+/-351.511 χ^2/NDF: 28.4/22

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

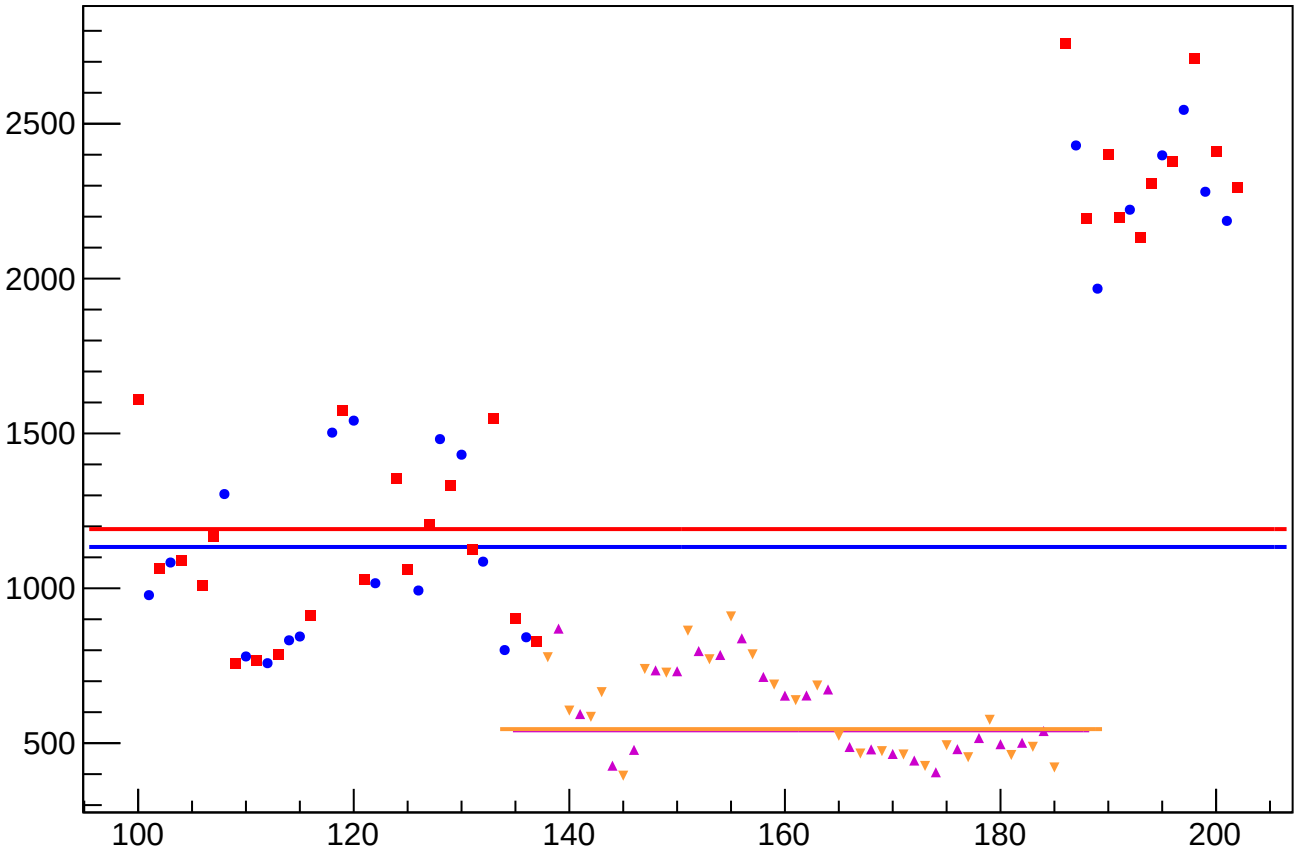
Right Out: -889.765+/-343.764 χ^2/NDF: 19.5/28

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -541.359+/-120.213 χ^2/NDF: 97.5/47

All: -362.869+/-85.578 χ^2/NDF: 154.8/99

- sign -179.468+/-121.855 χ^2/NDF: 52.7/51



Right In: 1133.438+/-0.249 χ^2/NDF: 3669678.2/22

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1191.162+/-0.243 χ^2/NDF: 4763891.4/28

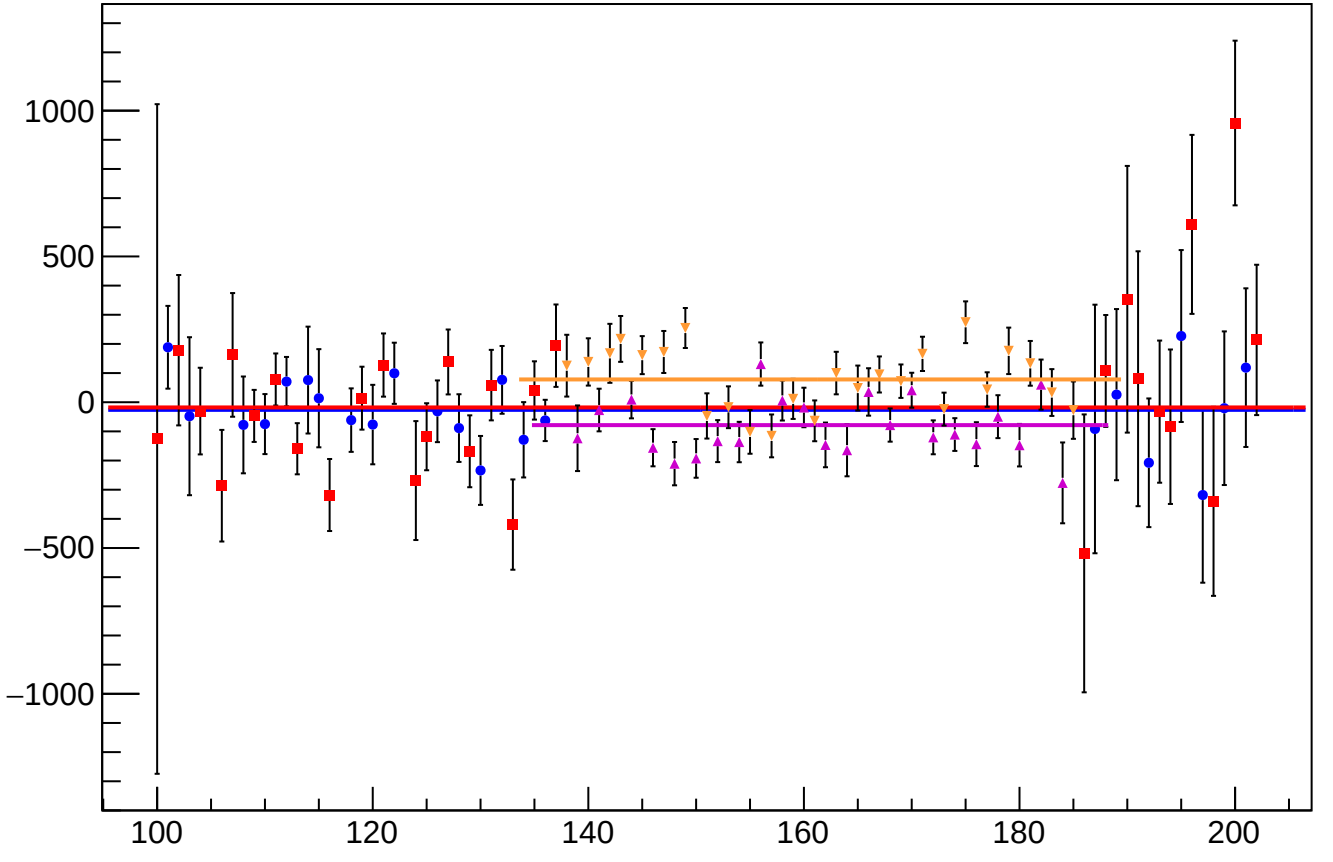
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 614.090+/-0.085 χ^2/NDF: 10697455.7/47

All: 618.531+/-0.061 χ^2/NDF: 23553558.4/99

- sign 623.094+/-0.086 χ^2/NDF: 12850569.0/51

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -26.116+/-27.903 χ^2/NDF: 13.7/22

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -17.879+/-27.164 χ^2/NDF: 50.6/28

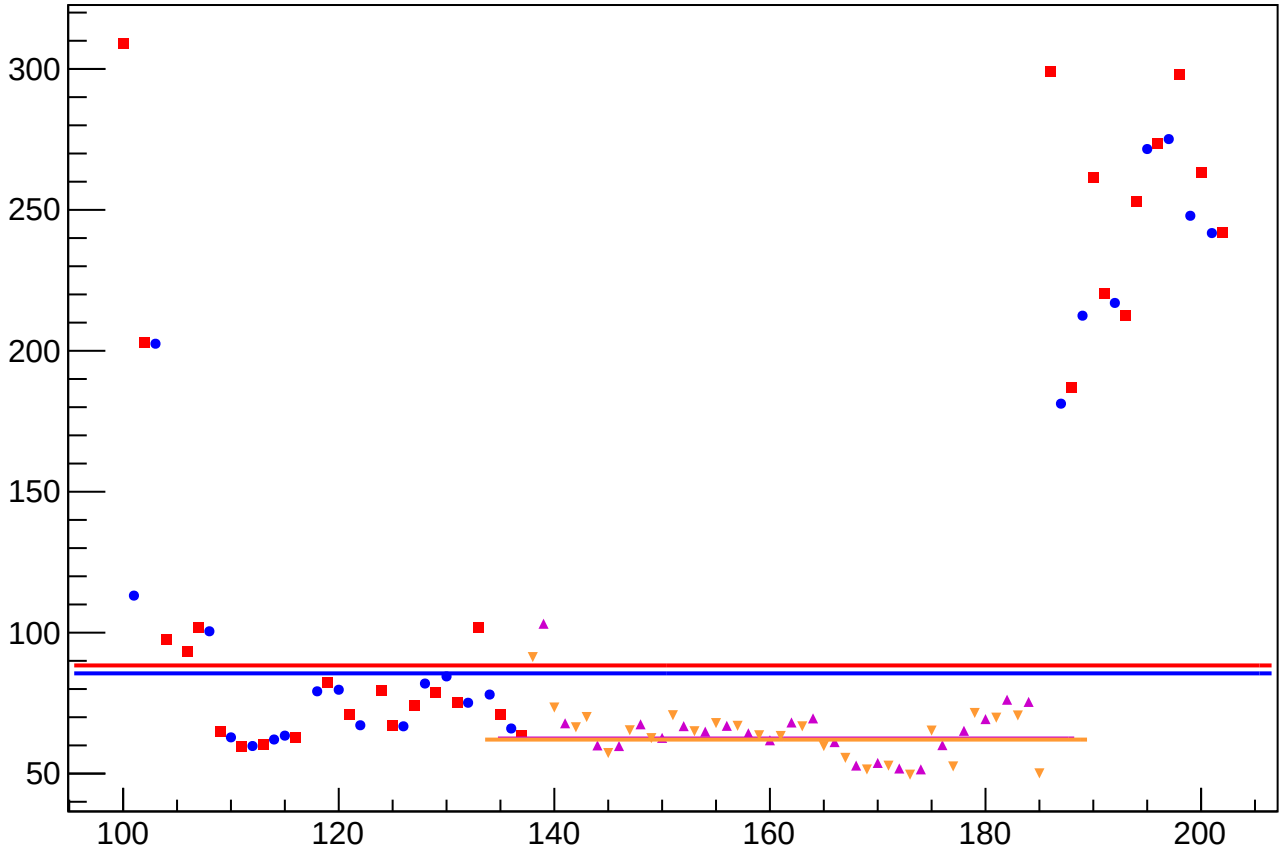
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.410+/-12.744 χ^2/NDF: 78.7/47

All: -2.880+/-9.102 χ^2/NDF: 213.9/99

- sign -64.612+/-13.004 χ^2/NDF: 91.1/51

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 85.558+/-0.020 χ^2/NDF: 5321251.3/22

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

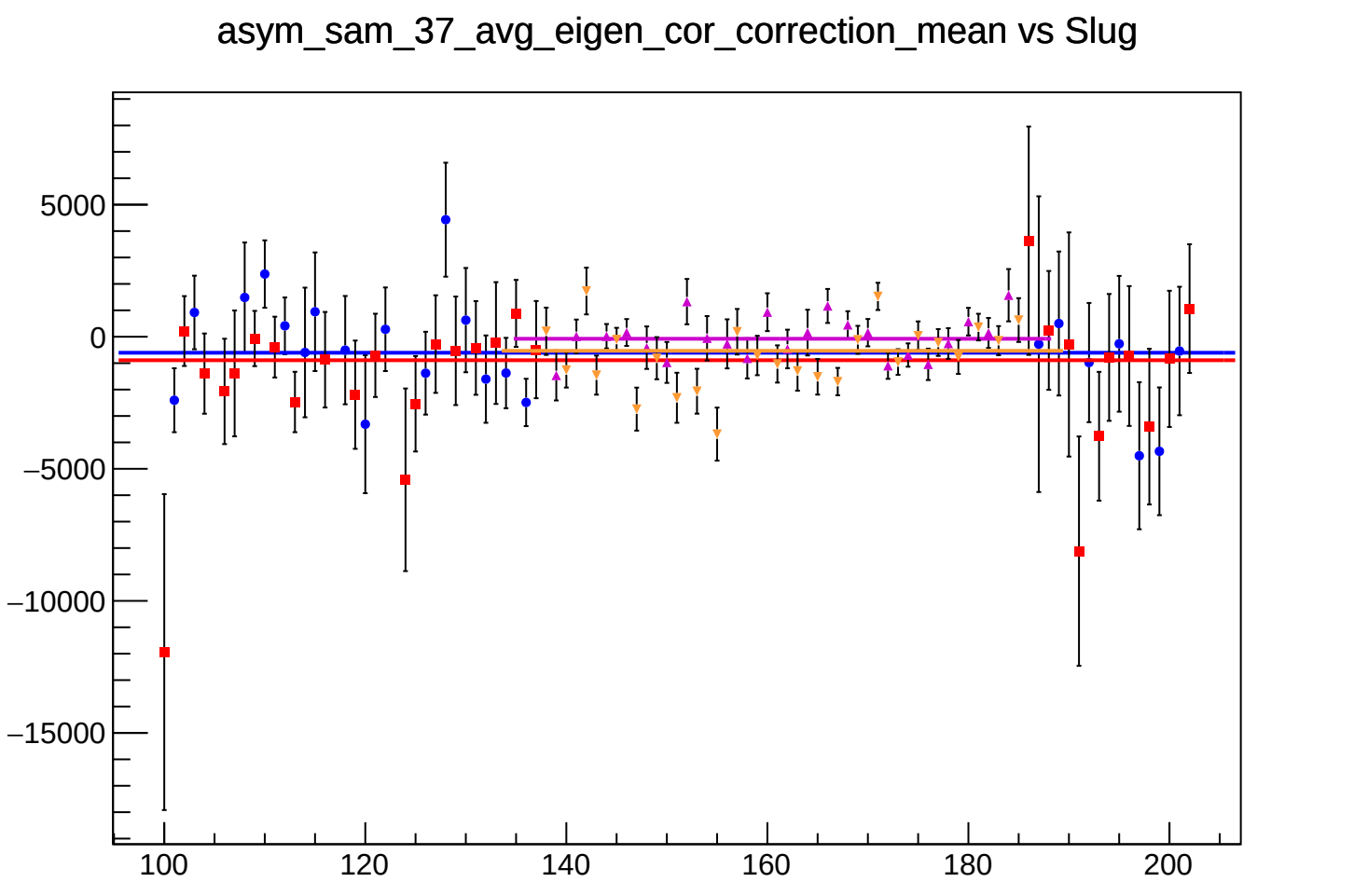
Right Out: 88.369+/-0.019 χ^2/NDF: 7175410.7/28

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.964+/-0.009 χ^2/NDF: 7130038.7/47

All: 67.661+/-0.006 χ^2/NDF: 16386438.6/99

- sign 68.386+/-0.009 χ^2/NDF: 9244194.4/51



Right In: -606.161+/-351.511 χ^2/NDF: 28.4/22

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

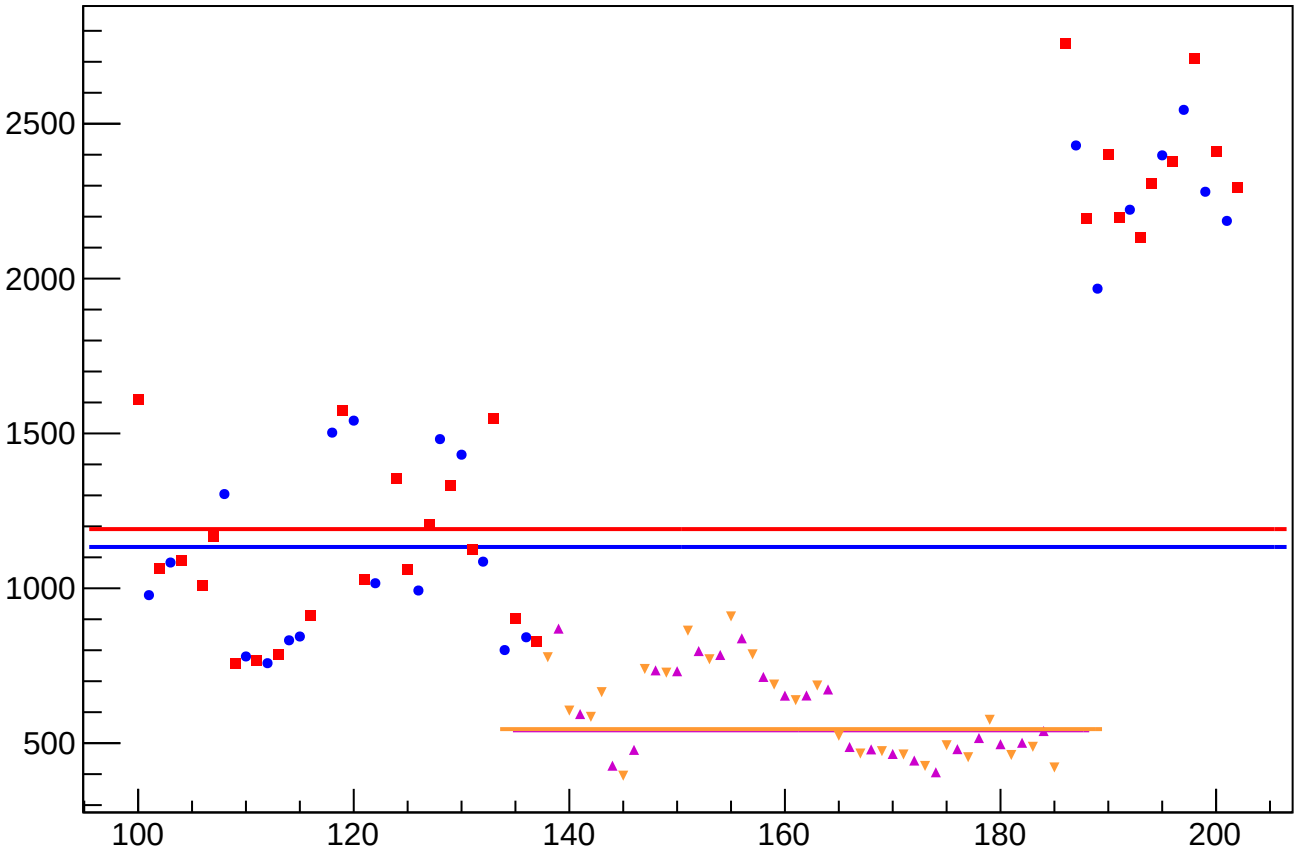
Right Out: -889.765+/-343.764 χ^2/NDF: 19.5/28

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -541.359+/-120.213 χ^2/NDF: 97.5/47

All: -362.869+/-85.578 χ^2/NDF: 154.8/99

- sign -179.468+/-121.855 χ^2/NDF: 52.7/51



Right In: 1133.438+/-0.249 χ^2/NDF: 3669678.2/22

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1191.162+/-0.243 χ^2/NDF: 4763891.4/28

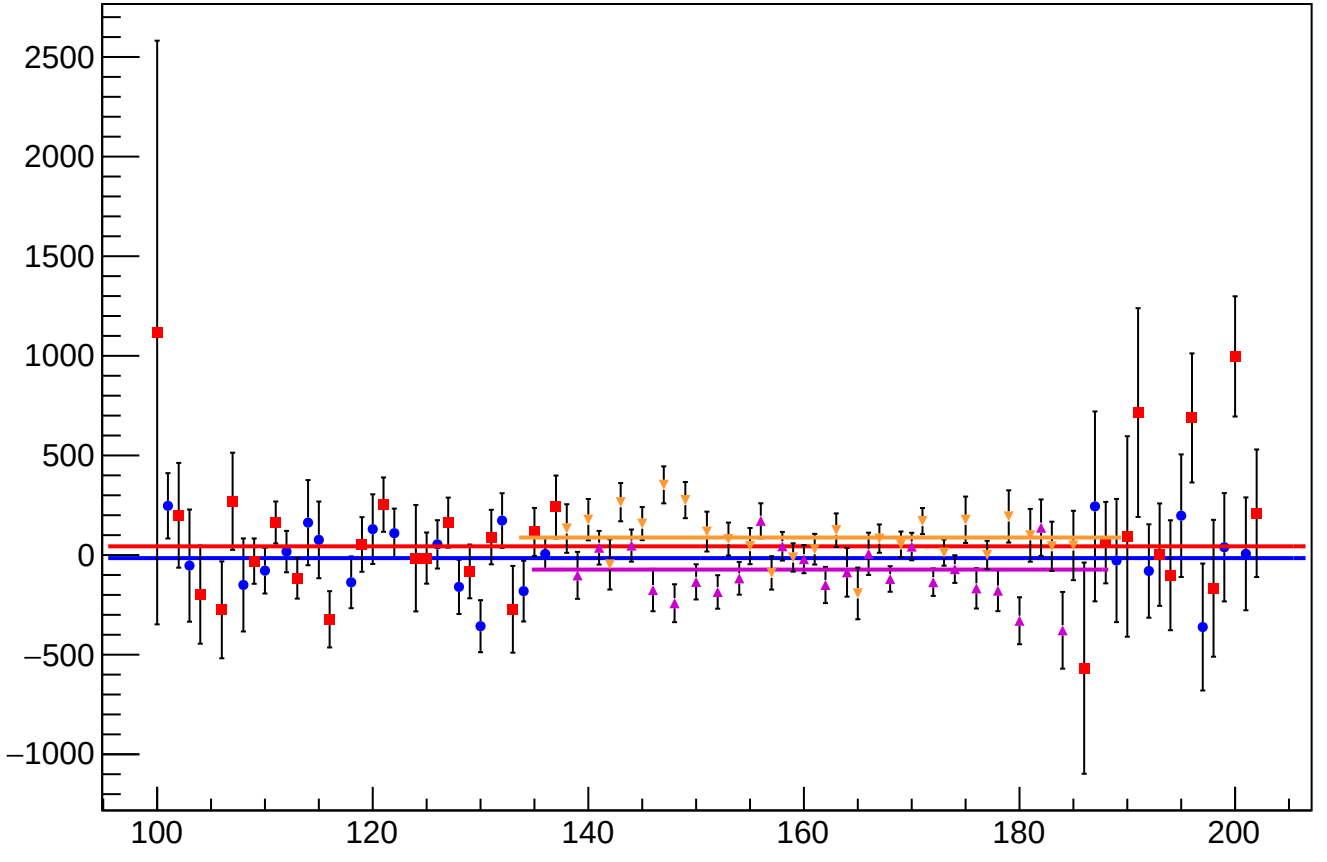
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 614.090+/-0.085 χ^2/NDF: 10697455.7/47

All: 618.531+/-0.061 χ^2/NDF: 23553558.4/99

- sign 623.094+/-0.086 χ^2/NDF: 12850569.0/51

dit_asym_sam_37_avg_mean vs Slug



Right In: -15.311+/-32.329 χ^2/NDF: 20.3/22

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 43.852+/-32.217 χ^2/NDF: 41.7/28

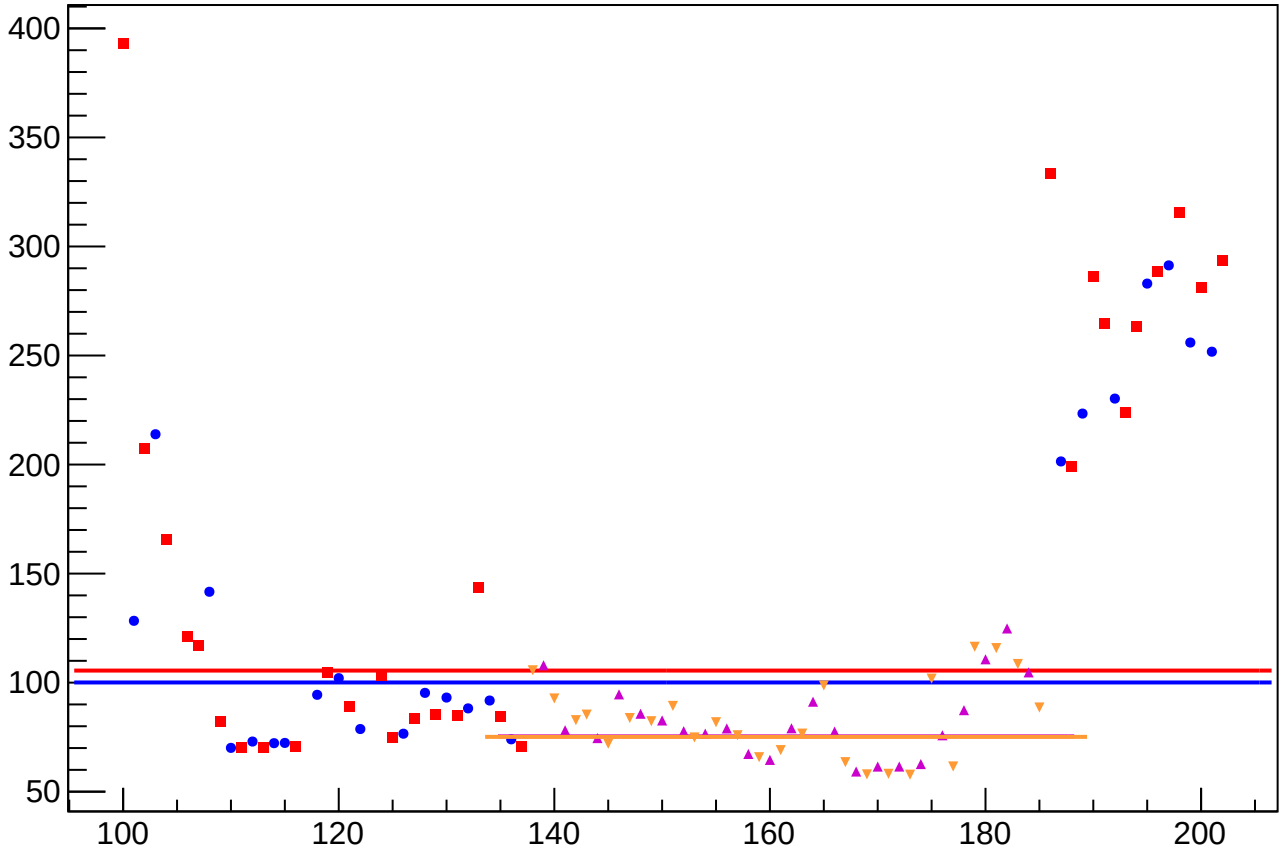
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 64.112+/-15.555 χ^2/NDF: 65.1/47

All: 11.013+/-11.118 χ^2/NDF: 179.0/99

- sign -44.438+/-15.896 χ^2/NDF: 90.1/51

dit_asym_sam_37_avg_rms vs Slug



Right In: 100.074+/-0.023 χ^2/NDF: 4863316.0/22

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

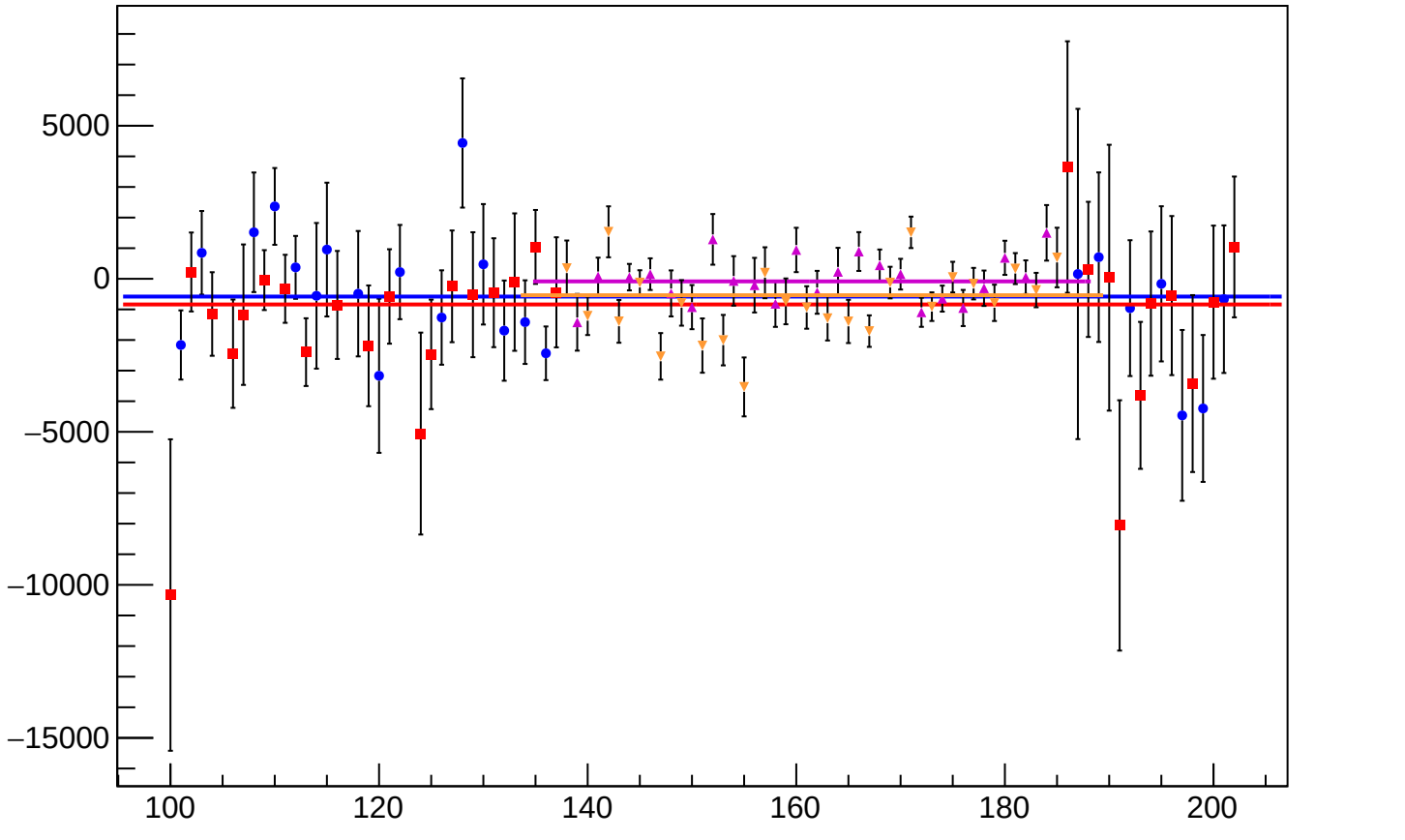
Right Out: 105.530+/-0.023 χ^2/NDF: 6742572.4/28

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 80.904+/-0.011 χ^2/NDF: 7379957.1/47

All: 81.786+/-0.008 χ^2/NDF: 16687628.4/99

- sign 82.707+/-0.011 χ^2/NDF: 9294519.5/51



Right In: -580.639+/-343.428 χ^2/NDF: 28.4/22

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -838.791+/-330.488 χ^2/NDF: 21.3/28

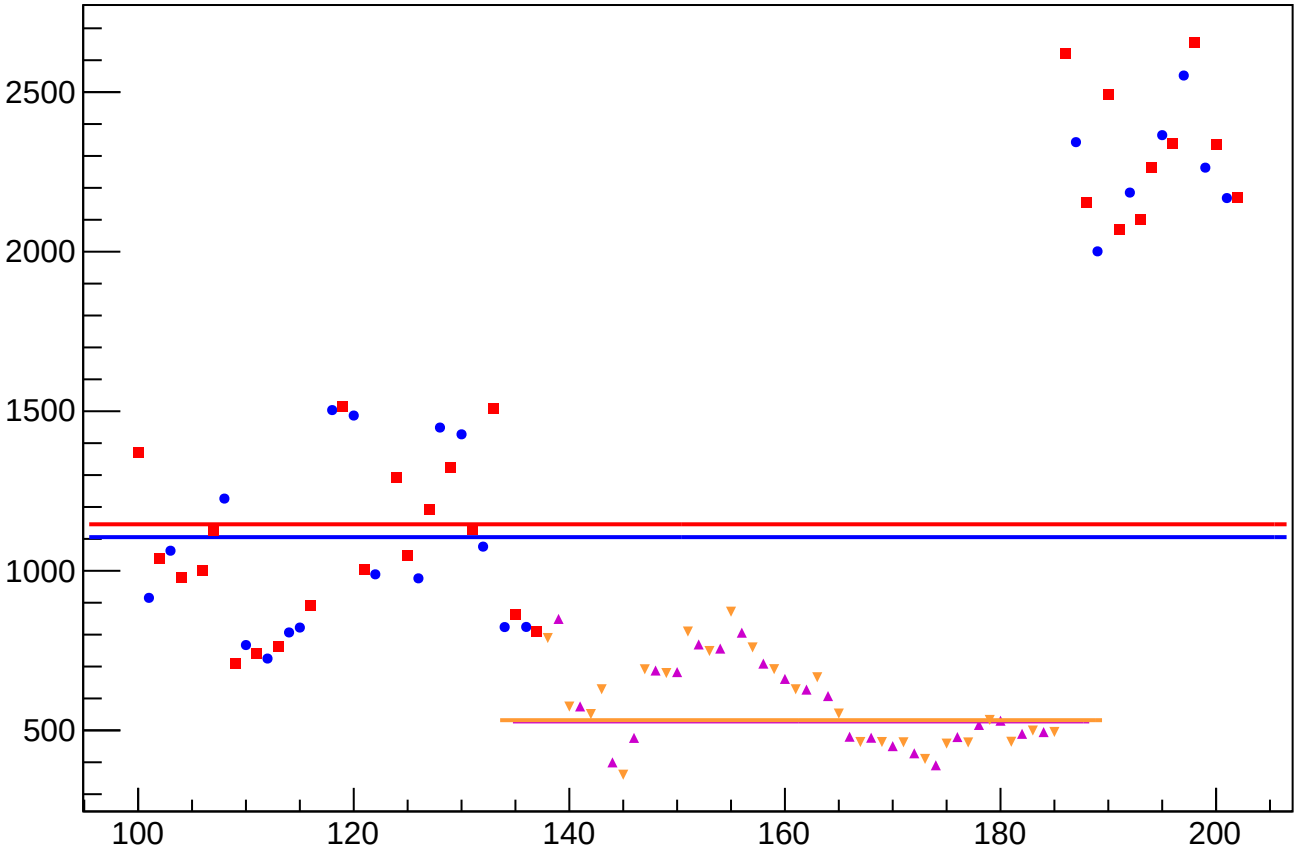
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -541.881+/-117.022 χ^2/NDF: 95.5/47

All: -364.198+/-83.293 χ^2/NDF: 153.4/99

- sign -181.754+/-118.580 χ^2/NDF: 53.3/51

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1105.484+/-0.243 χ^2/NDF: 3769480.3/22

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1145.766+/-0.234 χ^2/NDF: 4905265.1/28

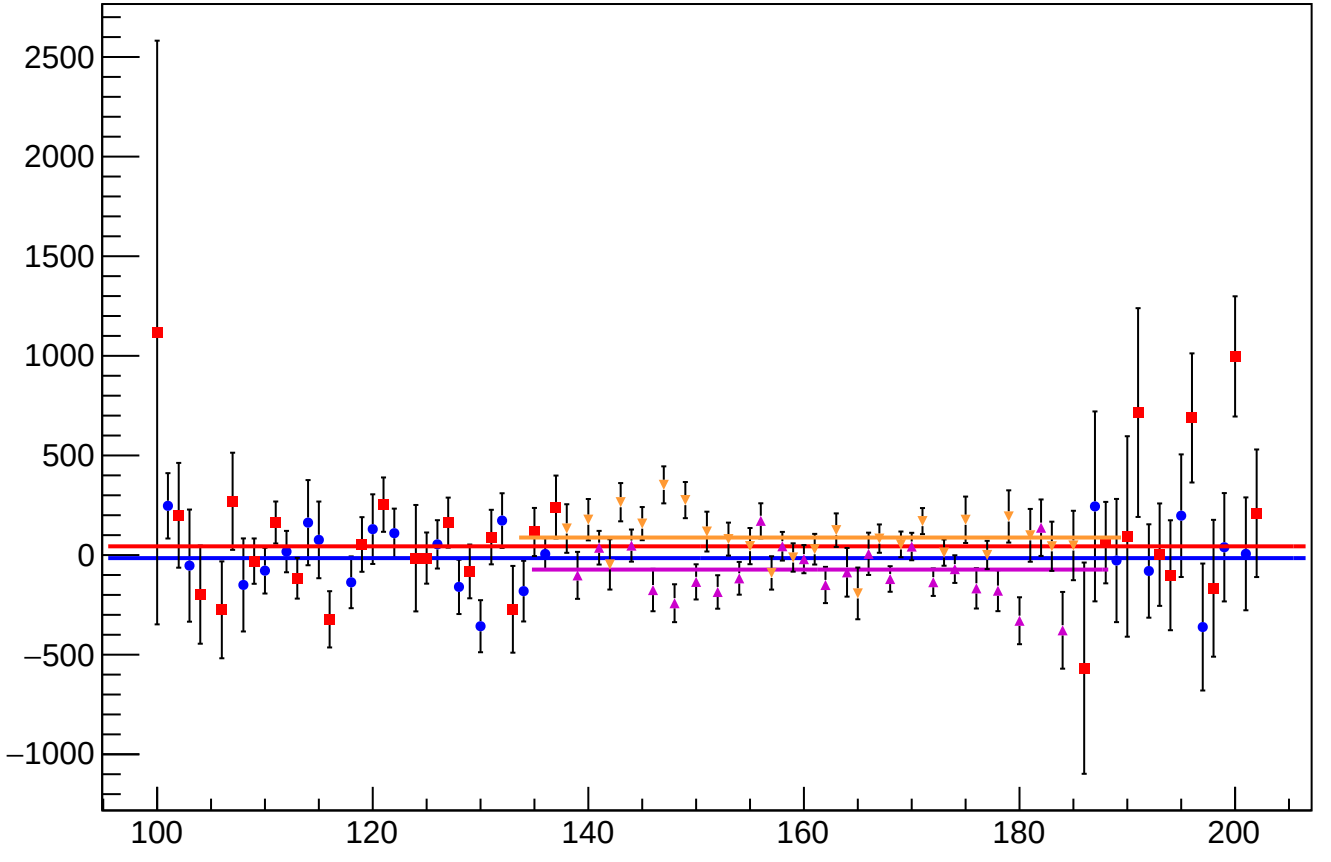
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 598.474+/-0.083 χ^2/NDF: 10738911.3/47

All: 602.937+/-0.059 χ^2/NDF: 23539377.4/99

- sign 607.519+/-0.084 χ^2/NDF: 12794571.2/51

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -15.311+/-32.329 χ^2/NDF: 20.3/22

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 43.855+/-32.217 χ^2/NDF: 41.7/28

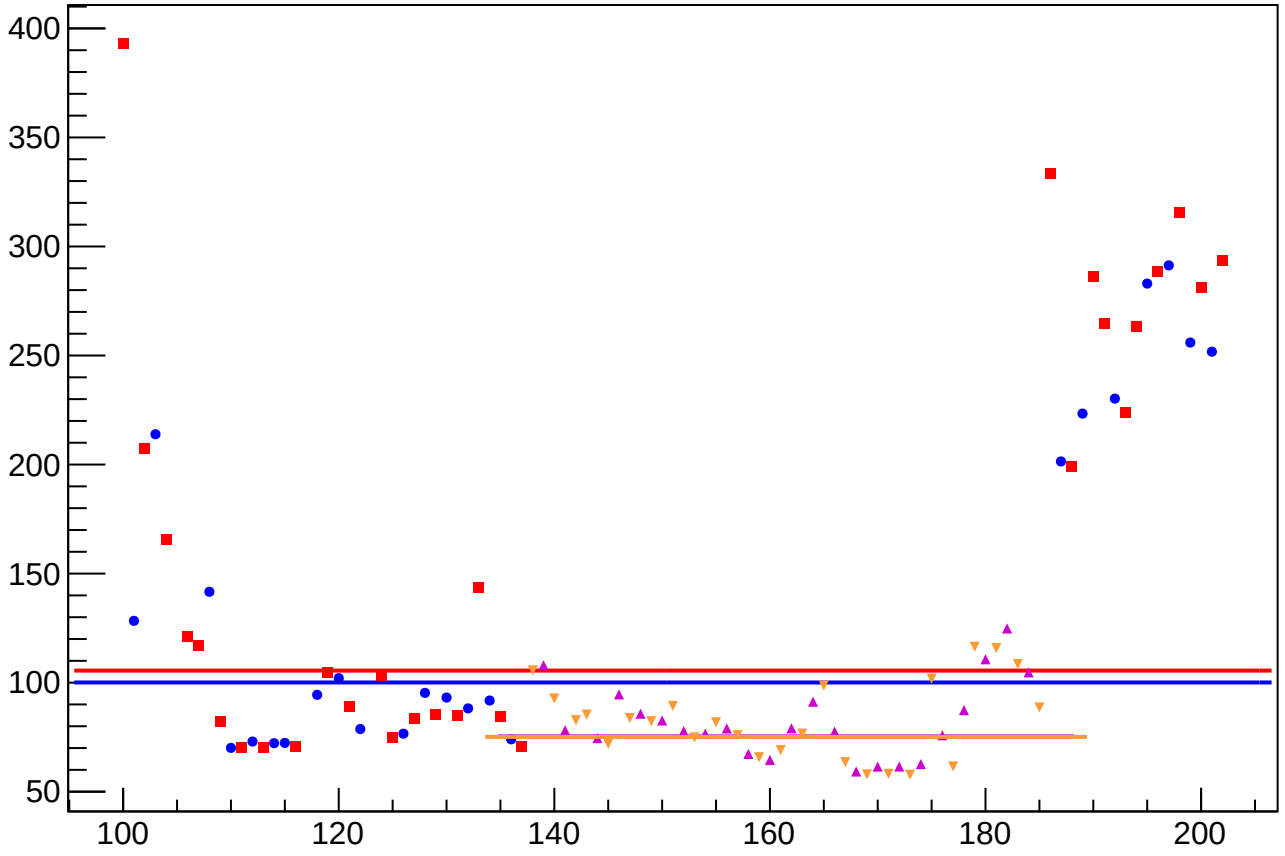
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 64.112+/-15.555 χ^2/NDF: 65.1/47

All: 11.014+/-11.118 χ^2/NDF: 179.0/99

- sign -44.437+/-15.896 χ^2/NDF: 90.1/51

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 100.075+/-0.023 χ^2/NDF: 4863291.0/22

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

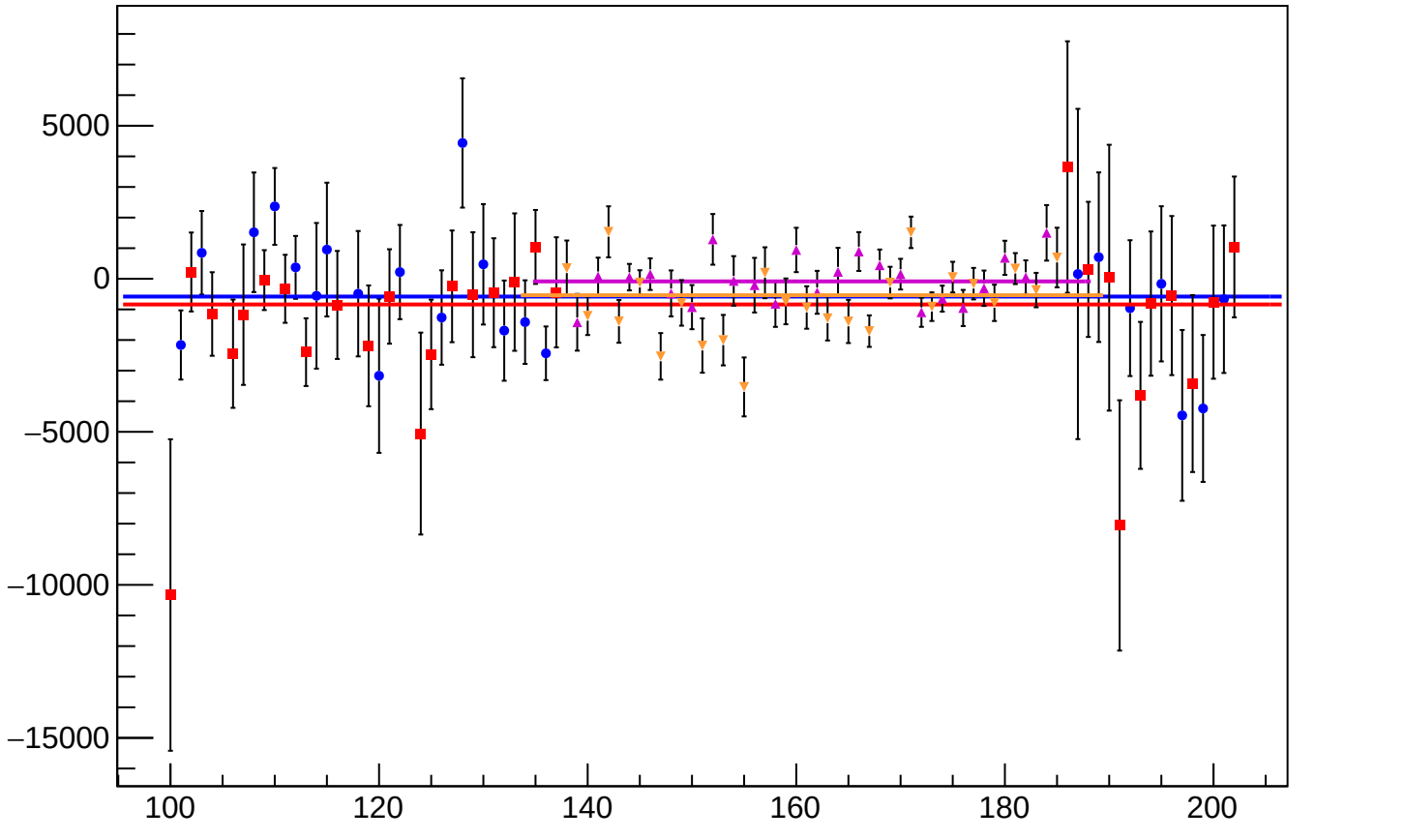
Right Out: 105.530+/-0.023 χ^2/NDF: 6742546.6/28

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 80.904+/-0.011 χ^2/NDF: 7379940.0/47

All: 81.786+/-0.008 χ^2/NDF: 16687605.3/99

- sign 82.707+/-0.011 χ^2/NDF: 9294513.6/51



Right In: -580.636+/-343.427 χ^2/NDF: 28.4/22

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

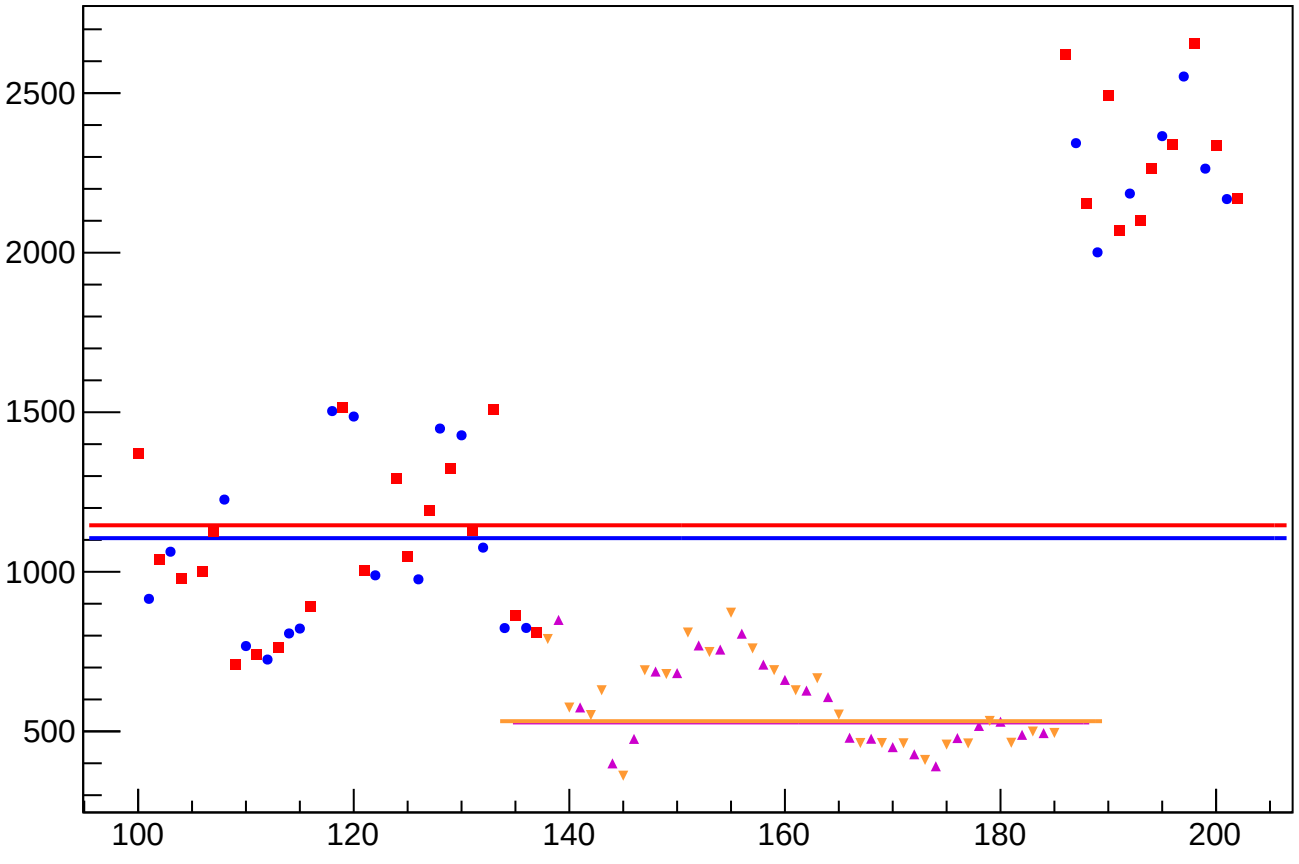
Right Out: -838.790+/-330.487 χ^2/NDF: 21.3/28

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -541.881+/-117.022 χ^2/NDF: 95.5/47

All: -364.198+/-83.293 χ^2/NDF: 153.4/99

- sign -181.754+/-118.580 χ^2/NDF: 53.3/51



Right In: 1105.482+/-0.243 χ^2/NDF: 3769486.8/22

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1145.764+/-0.234 χ^2/NDF: 4905271.8/28

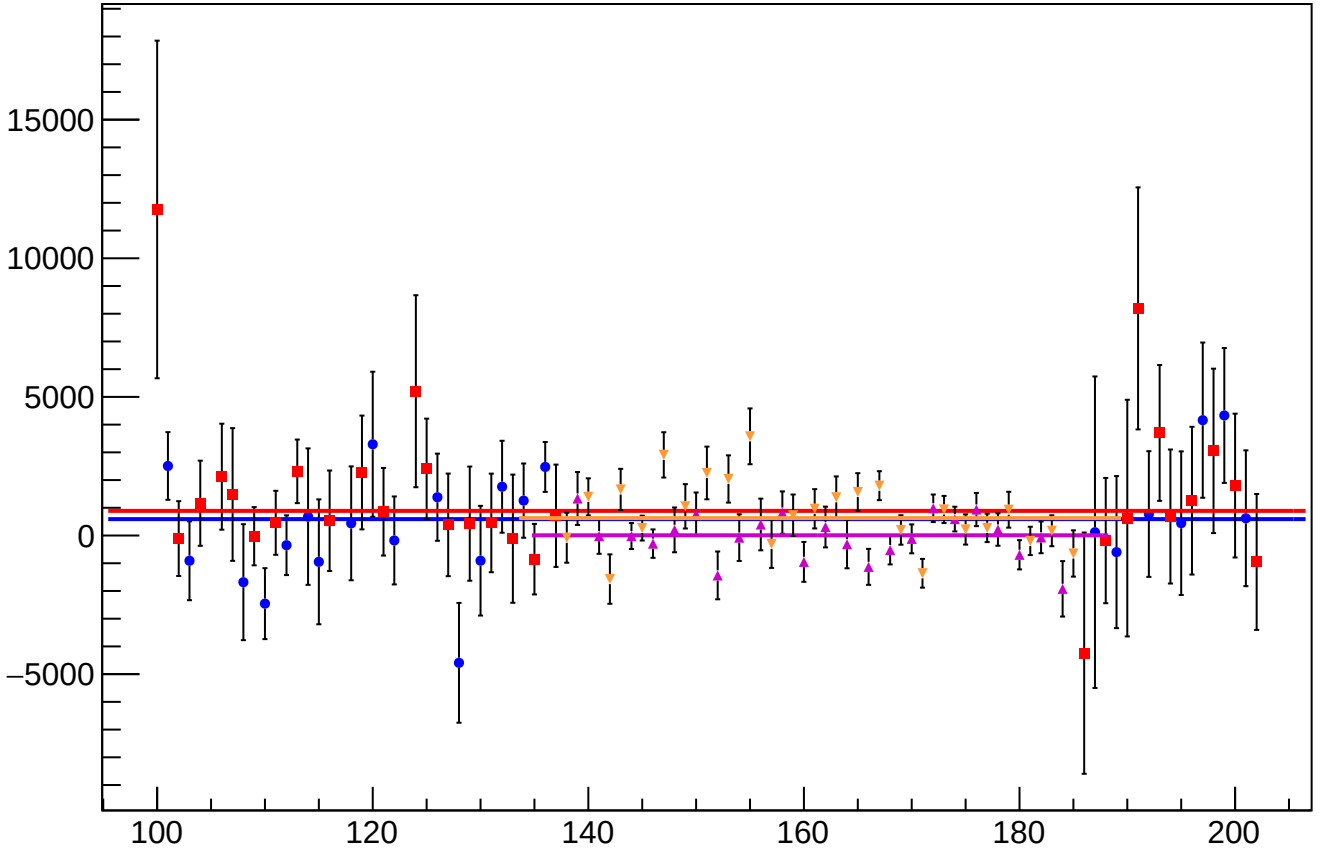
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 598.474+/-0.083 χ^2/NDF: 10738897.5/47

All: 602.936+/-0.059 χ^2/NDF: 23539345.3/99

- sign 607.518+/-0.084 χ^2/NDF: 12794552.8/51

asym_sam_37_avg_mean vs Slug



Right In: 591.683+/-353.288 χ^2/NDF: 28.9/22

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 889.253+/-344.965 χ^2/NDF: 18.7/28

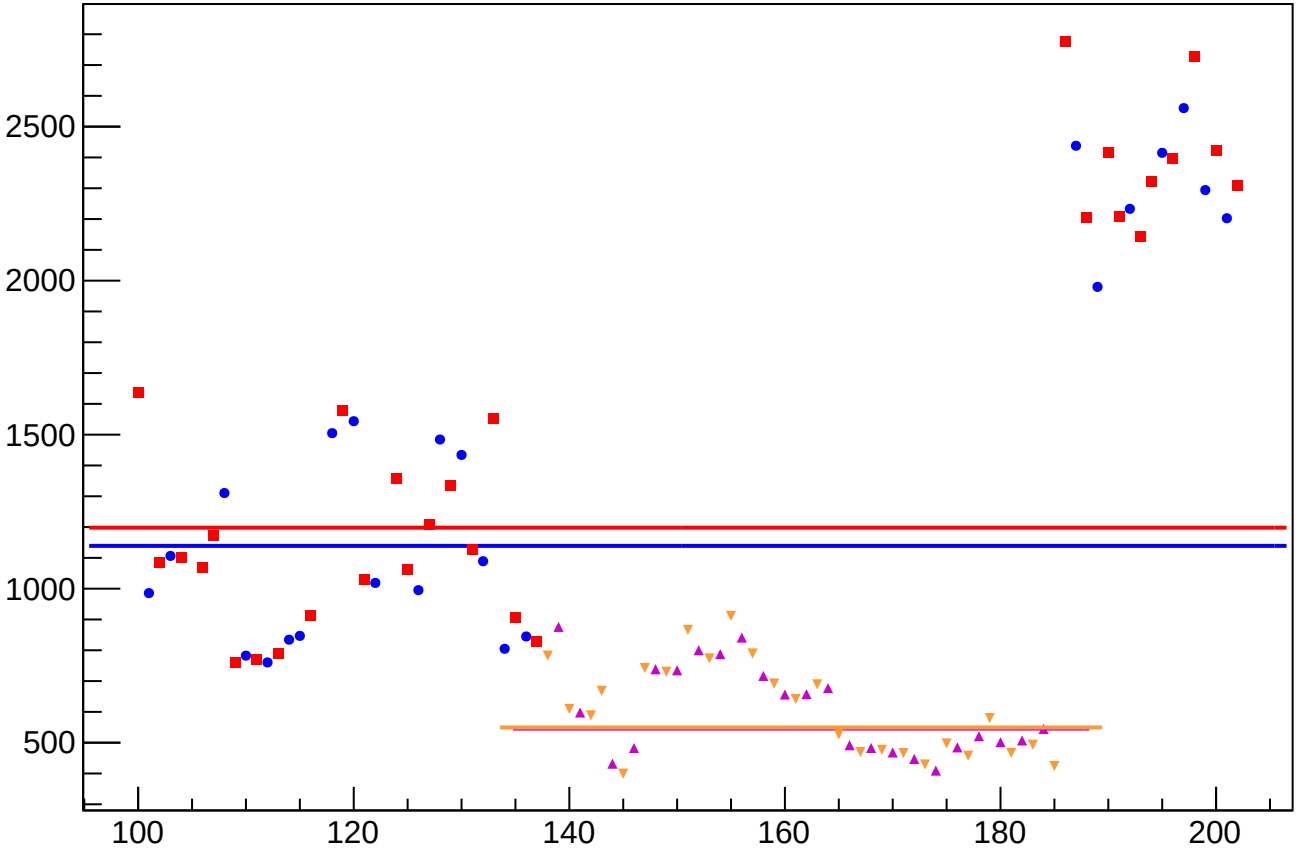
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 624.953+/-121.053 χ^2/NDF: 93.8/47

All: 375.845+/-86.175 χ^2/NDF: 154.1/99

- sign 119.899+/-122.703 χ^2/NDF: 51.7/51

asym_sam_37_avg_rms vs Slug



Right In: 1138.974+/-0.250 χ^2/NDF: 3677016.6/22

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

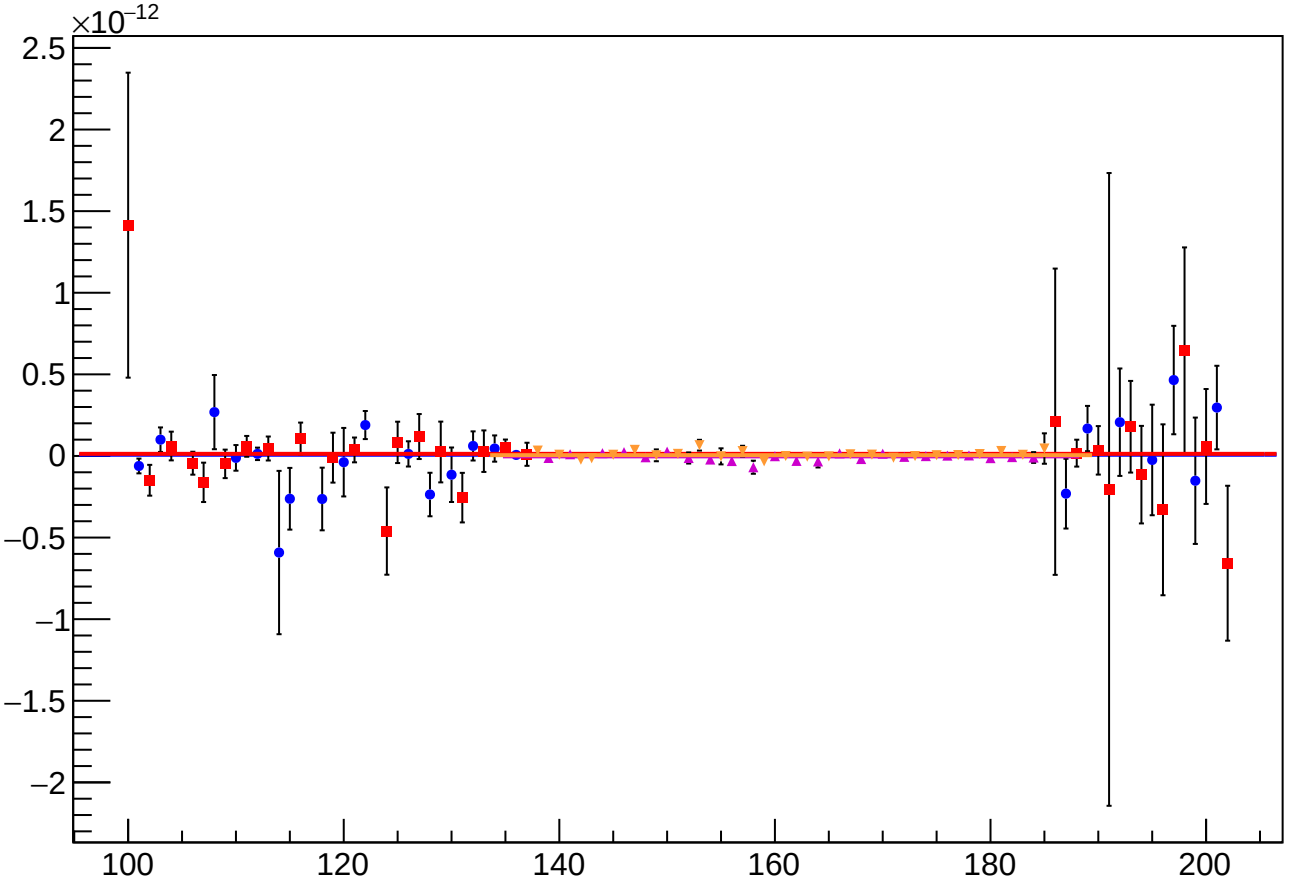
Right Out: 1198.090+/-0.244 χ^2/NDF: 4767649.8/28

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 618.686+/-0.086 χ^2/NDF: 10645648.3/47

All: 623.402+/-0.061 χ^2/NDF: 23481892.6/99

- sign 628.248+/-0.087 χ^2/NDF: 12830089.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

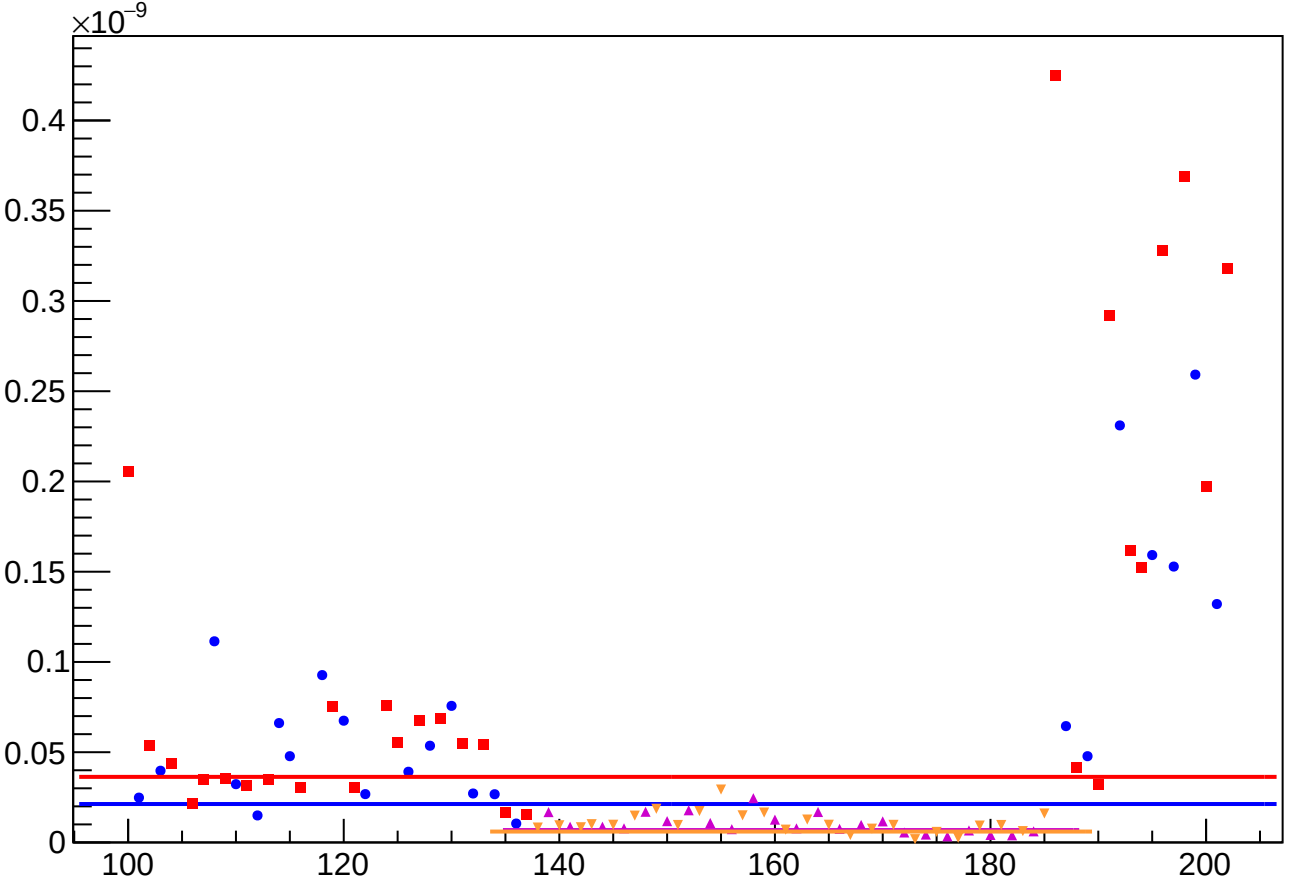
Right Out: 0.000+/-0.000 χ^2/NDF: 22.5/28

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/47

All: 0.000+/-0.000 χ^2/NDF: 87.2/99

- sign -0.000+/-0.000 χ^2/NDF: 43.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 4761423.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4629298.1/28

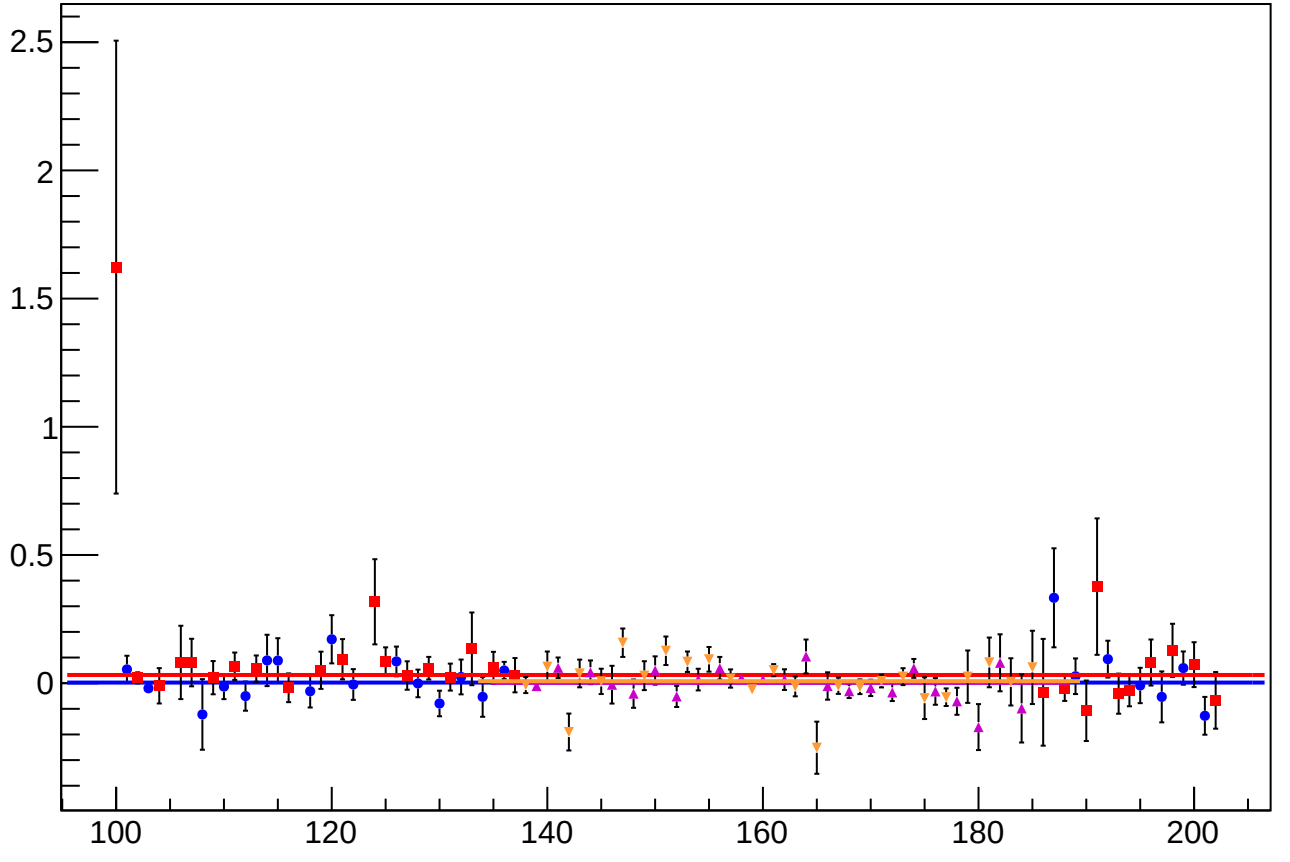
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10573018.5/47

All: 0.000+/-0.000 χ^2/NDF: 22039148.7/99

- sign 0.000+/-0.000 χ^2/NDF: 11370067.8/51

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.011 χ^2/NDF: 25.4/22

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.5/28

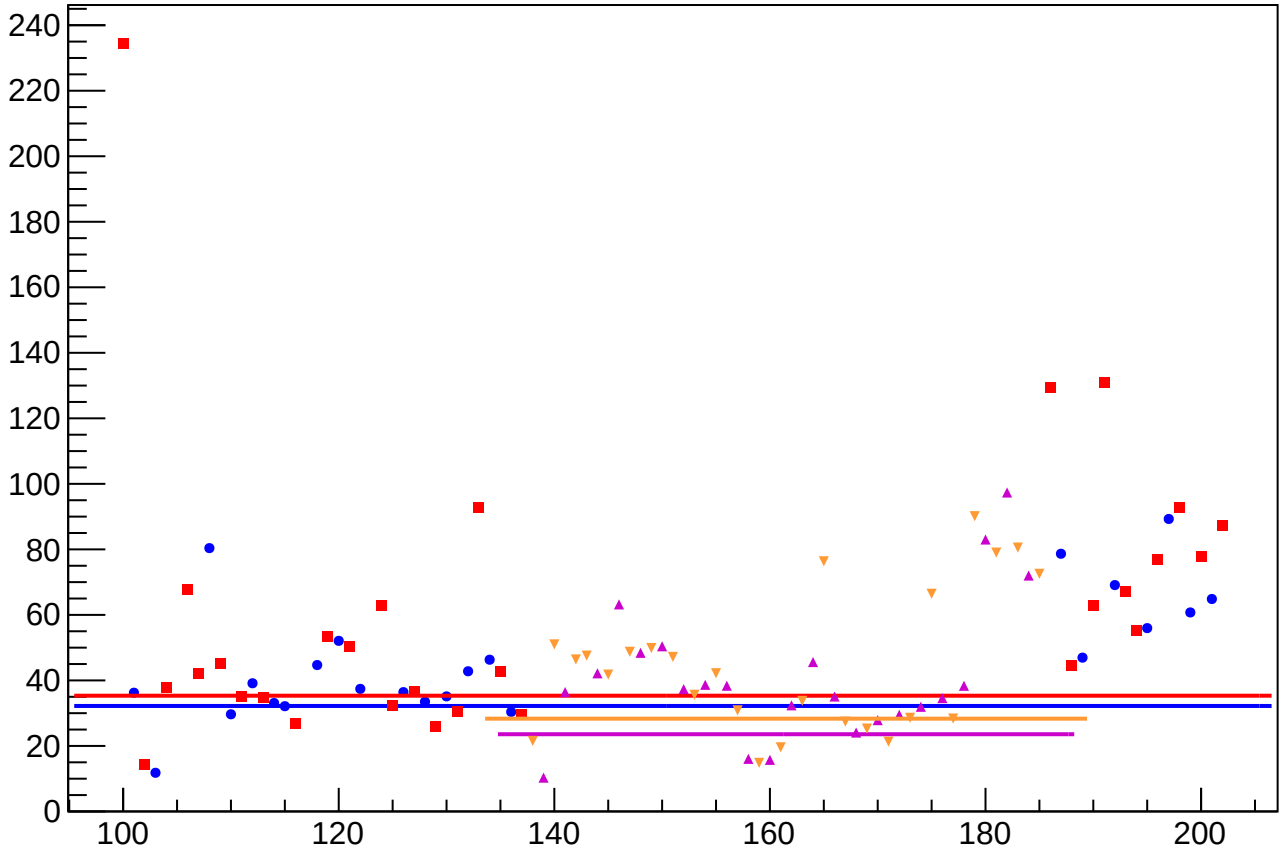
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.1/47

All: 0.008+/-0.004 χ^2/NDF: 123.2/99

- sign 0.009+/-0.006 χ^2/NDF: 50.0/51

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 32.201+/-0.008 χ^2/NDF: 5183136.9/22

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 35.333+/-0.008 χ^2/NDF: 6290986.3/28

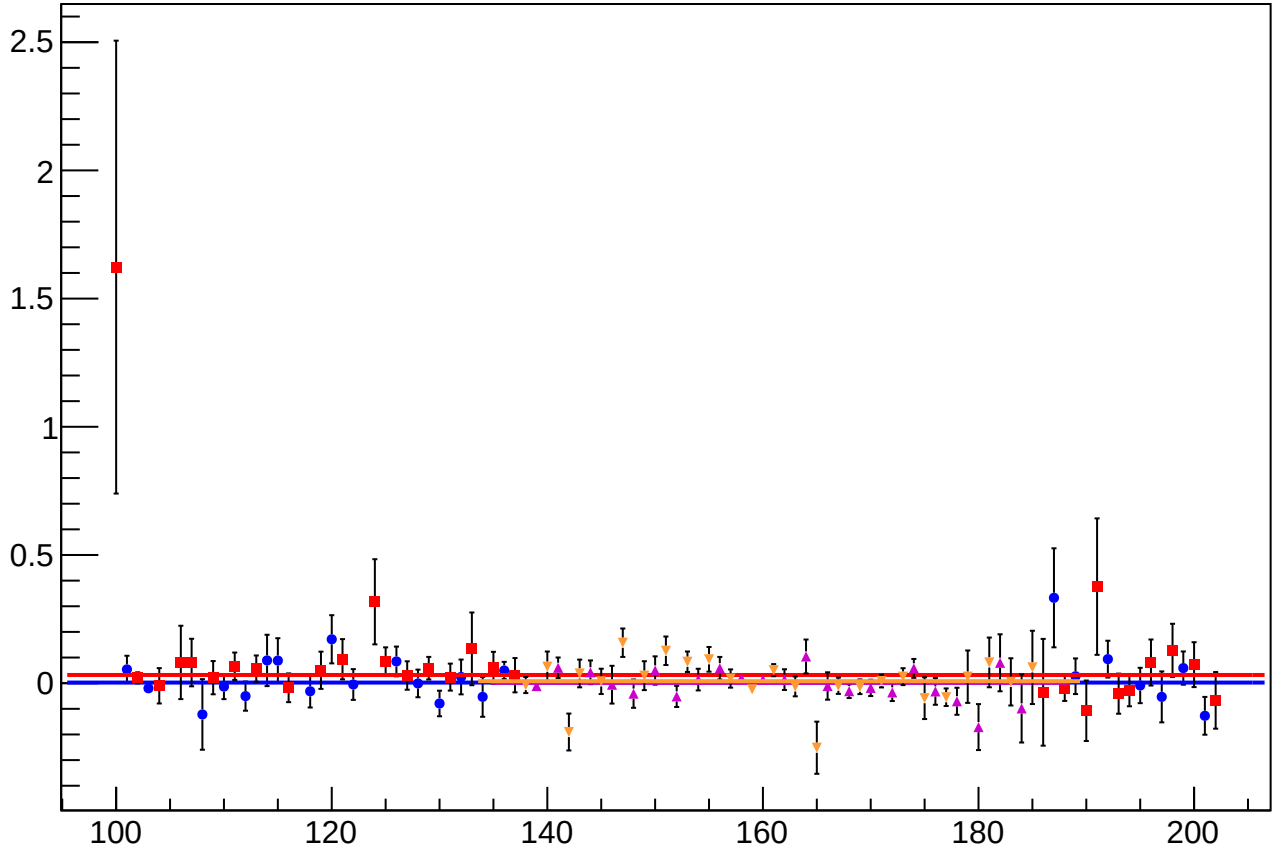
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 29.552+/-0.004 χ^2/NDF: 12137174.0/47

All: 27.998+/-0.003 χ^2/NDF: 28480935.2/99

- sign 26.641+/-0.004 χ^2/NDF: 16113184.2/51

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.011 χ^2/NDF: 25.4/22

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.5/28

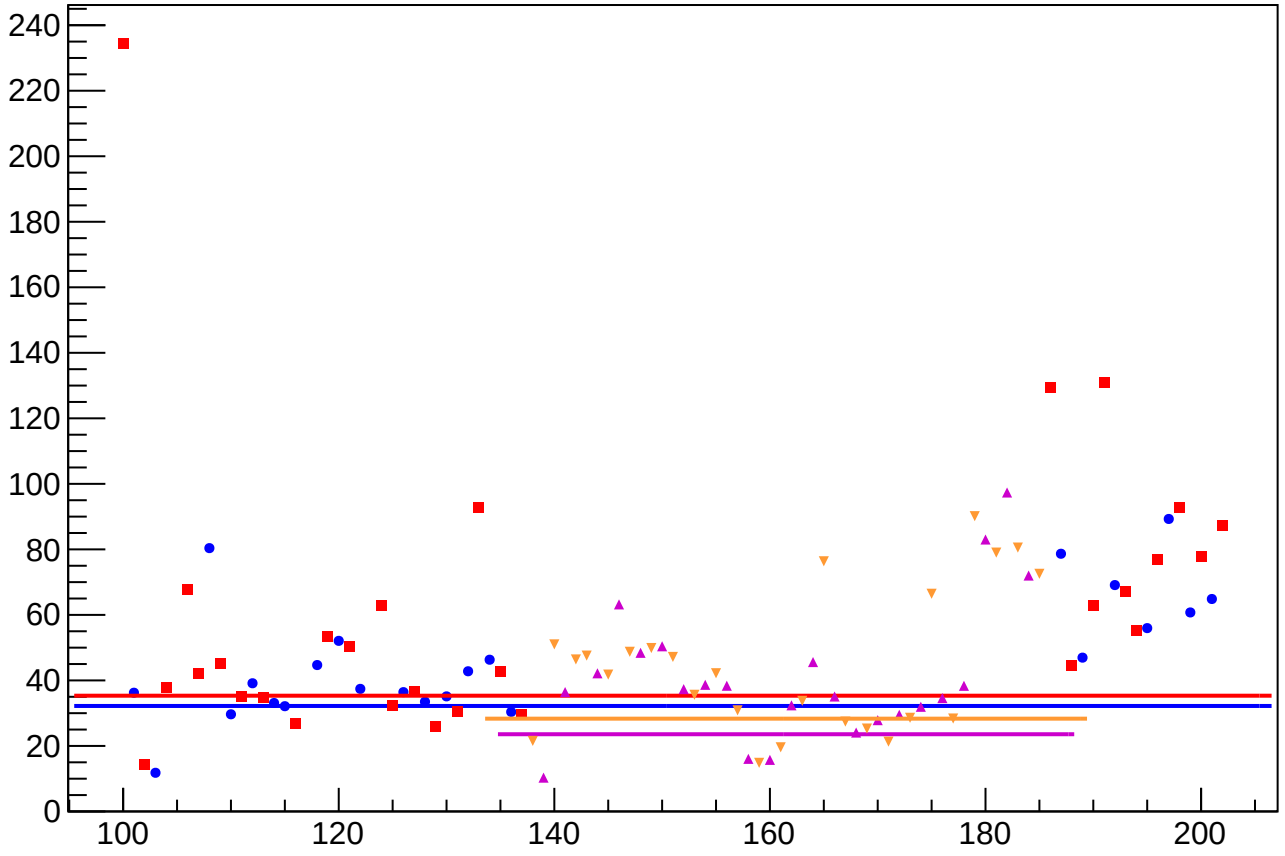
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.1/47

All: 0.008+/-0.004 χ^2/NDF: 123.2/99

- sign 0.009+/-0.006 χ^2/NDF: 50.0/51

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.201+/-0.008 χ^2/NDF: 5183136.9/22

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

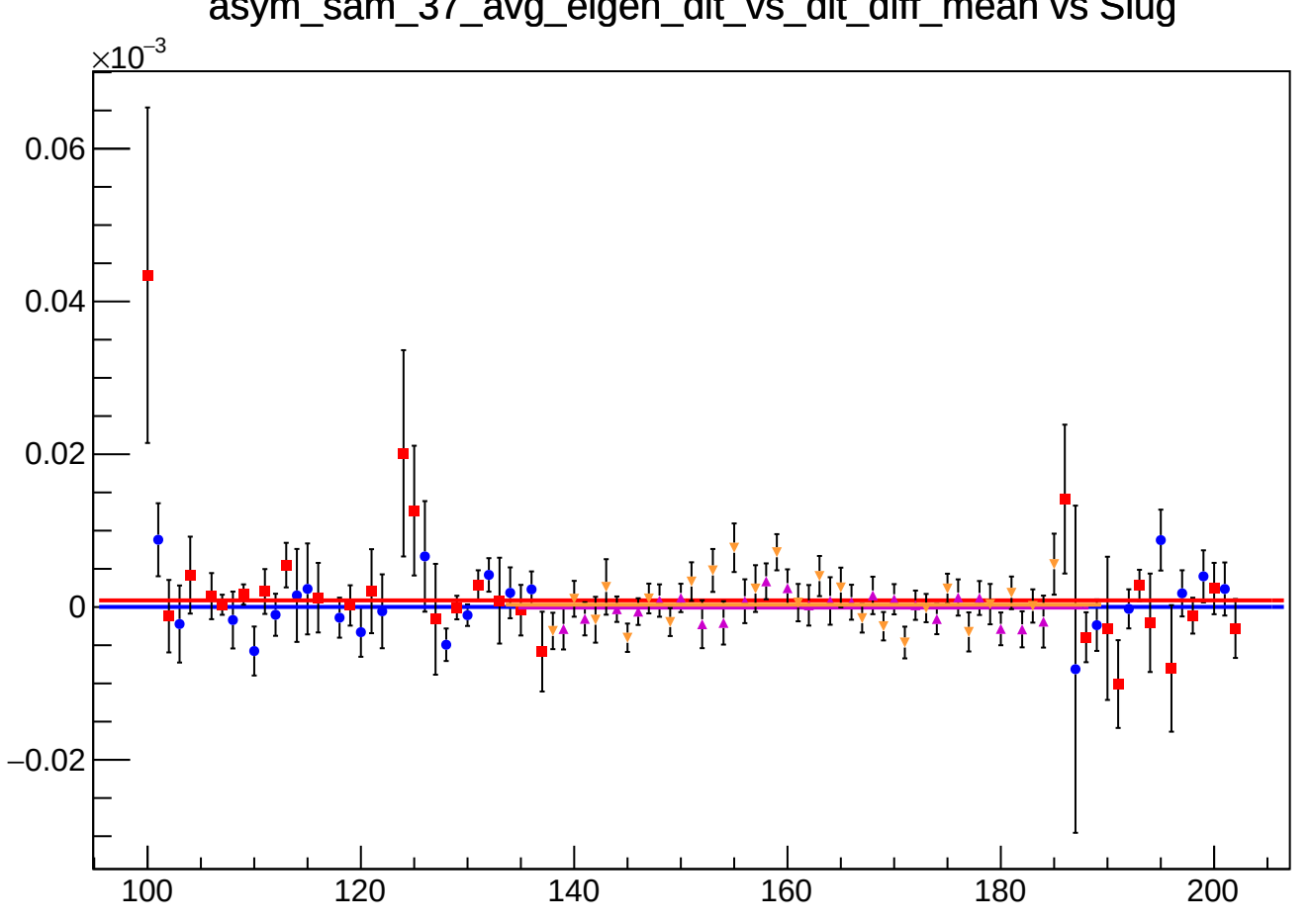
Right Out: 35.333+/-0.008 χ^2/NDF: 6290986.3/28

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 29.552+/-0.004 χ^2/NDF: 12137174.0/47

All: 27.998+/-0.003 χ^2/NDF: 28480935.2/99

- sign 26.641+/-0.004 χ^2/NDF: 16113184.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

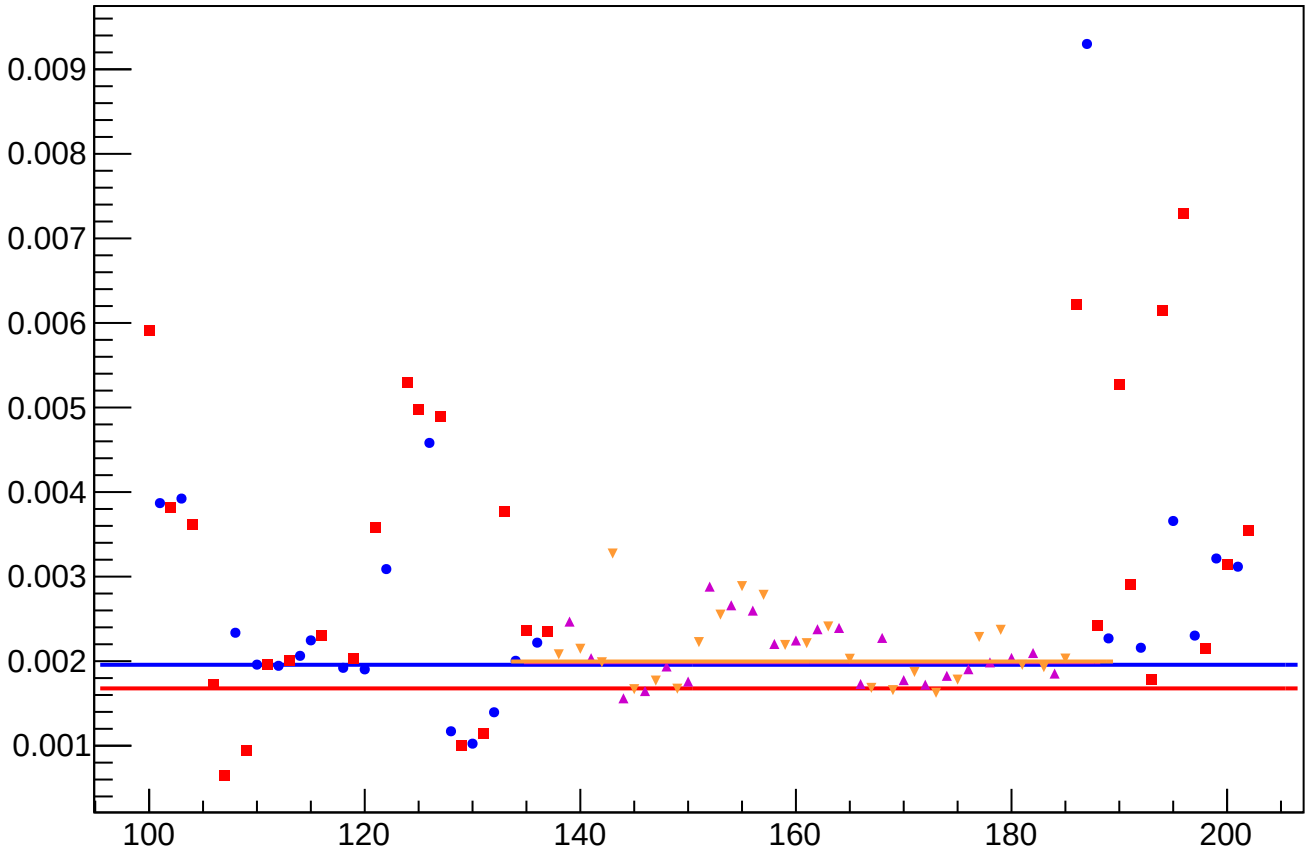
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/28

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.9/47

All: 0.000+/-0.000 χ^2/NDF: 114.7/99

- sign 0.000+/-0.000 χ^2/NDF: 40.7/51



Right In: 0.002+/-0.000 χ^2/NDF: 3481404.5/22

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8488656.0/28

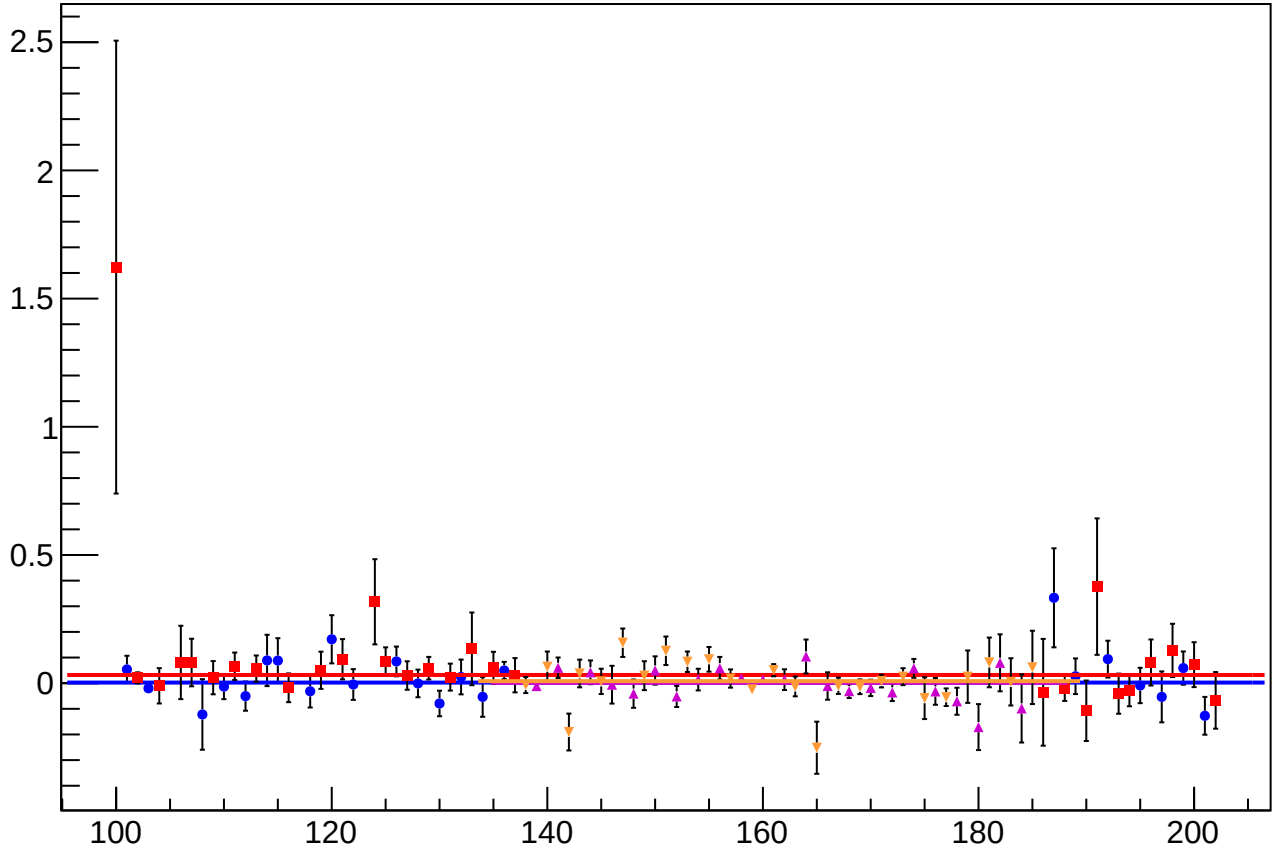
Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 4659647.5/47

All: 0.002+/-0.000 χ^2/NDF: 14570271.3/99

- sign 0.002+/-0.000 χ^2/NDF: 9784430.6/51

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.011 χ^2/NDF: 25.4/22

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.5/28

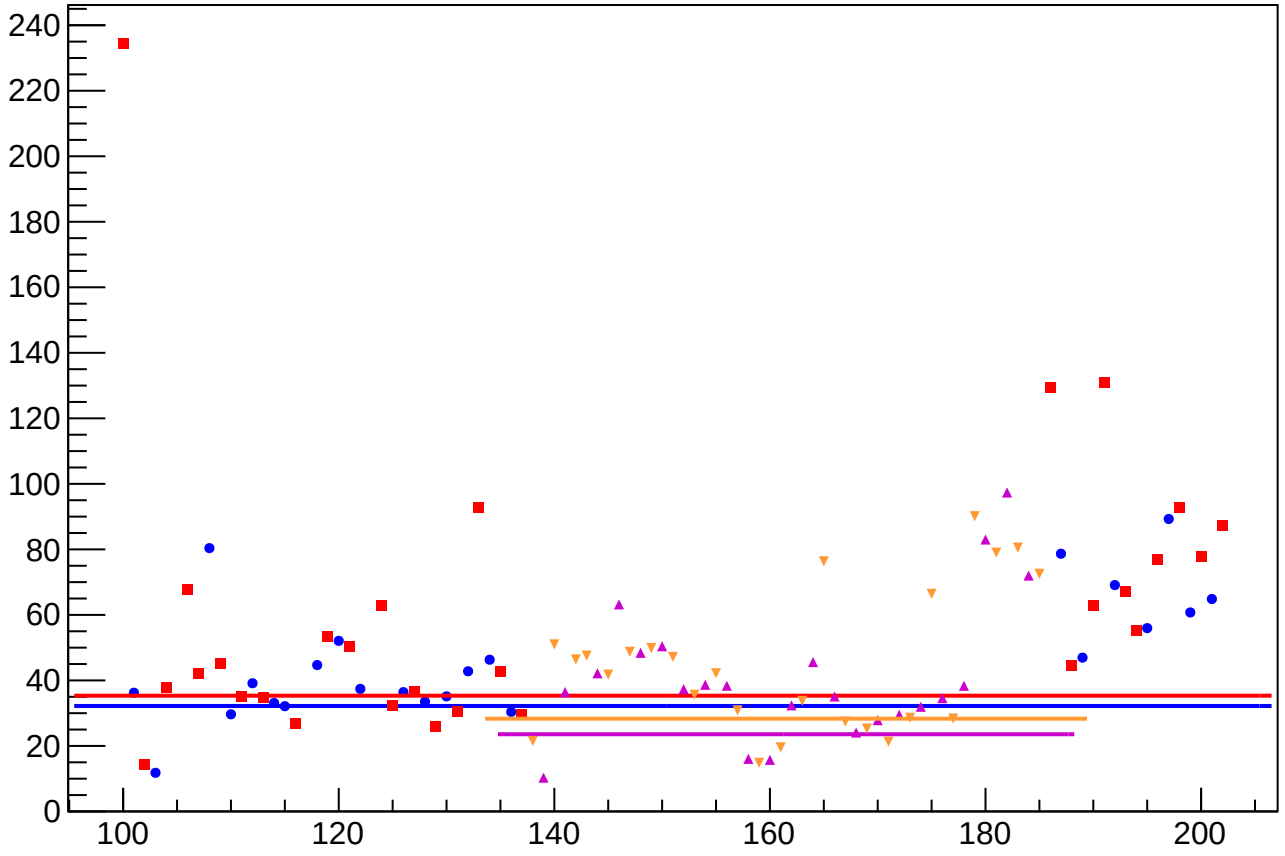
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.1/47

All: 0.008+/-0.004 χ^2/NDF: 123.2/99

- sign 0.009+/-0.006 χ^2/NDF: 50.0/51

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 32.201+/-0.008 χ^2/NDF: 5183484.3/22

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

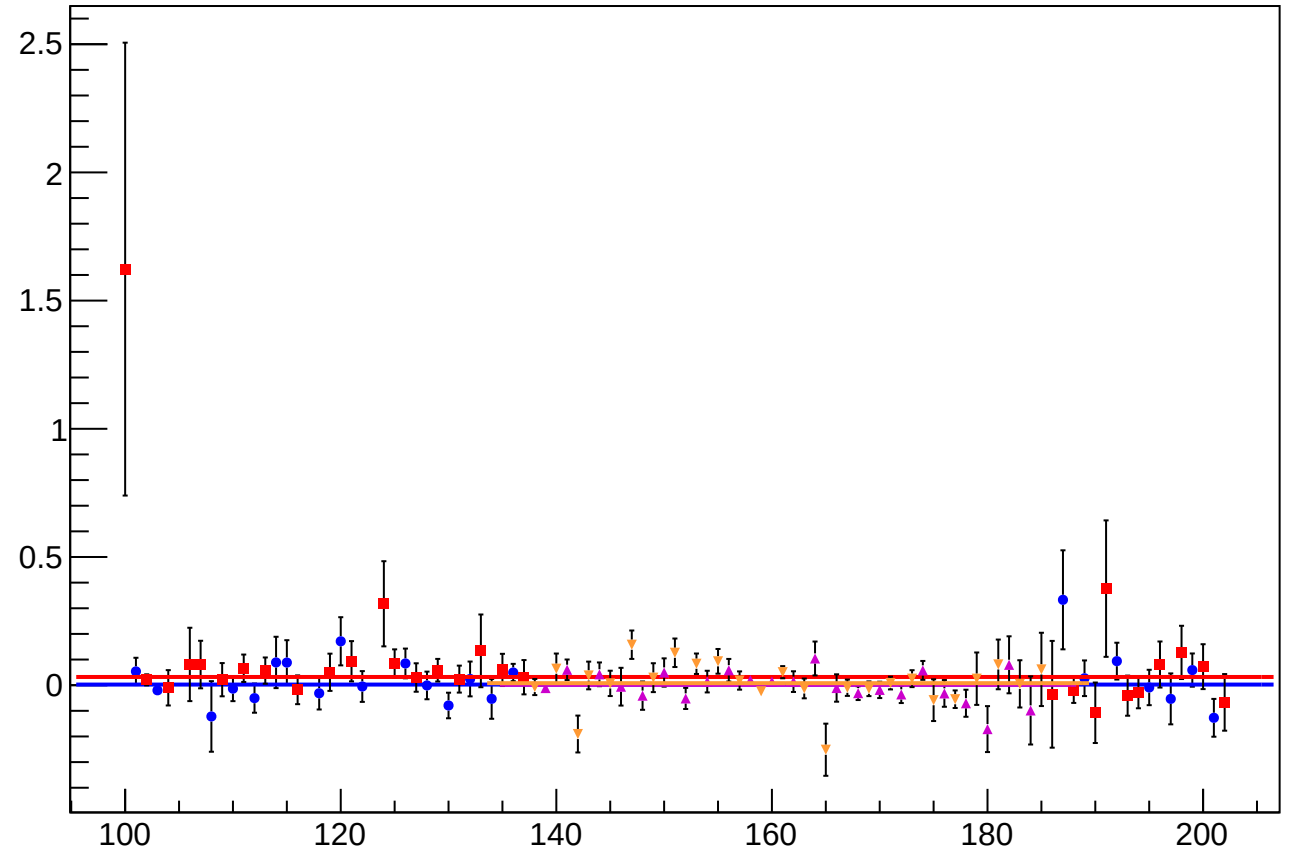
Right Out: 35.336+/-0.008 χ^2/NDF: 6289905.2/28

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 29.551+/-0.004 χ^2/NDF: 12137946.9/47

All: 27.997+/-0.003 χ^2/NDF: 28482646.7/99

- sign 26.641+/-0.004 χ^2/NDF: 16114126.0/51



Right In: 0.002+/-0.011 χ^2/NDF: 25.4/22

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.5/28

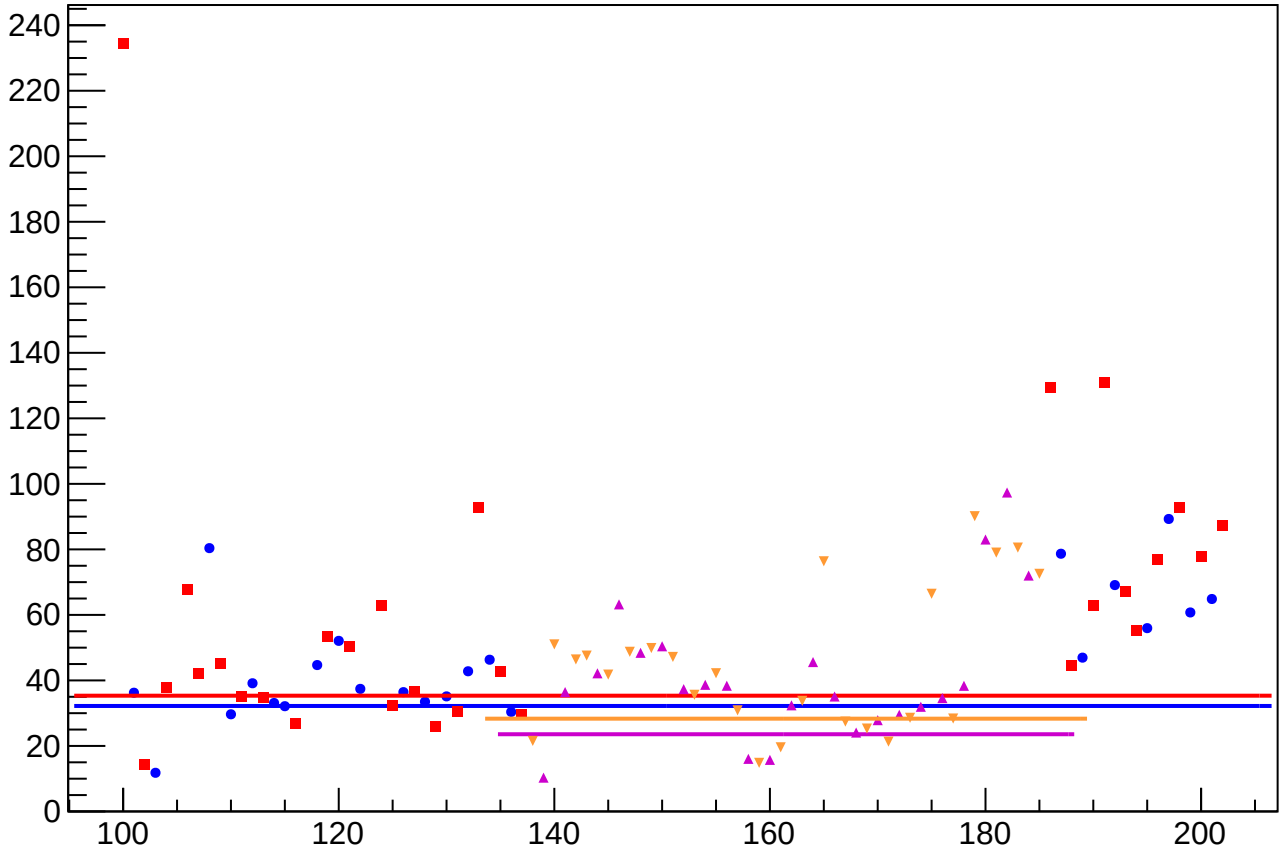
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.1/47

All: 0.008+/-0.004 χ^2/NDF: 123.2/99

- sign 0.009+/-0.006 χ^2/NDF: 50.0/51

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.201+/-0.008 χ^2/NDF: 5183484.3/22

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

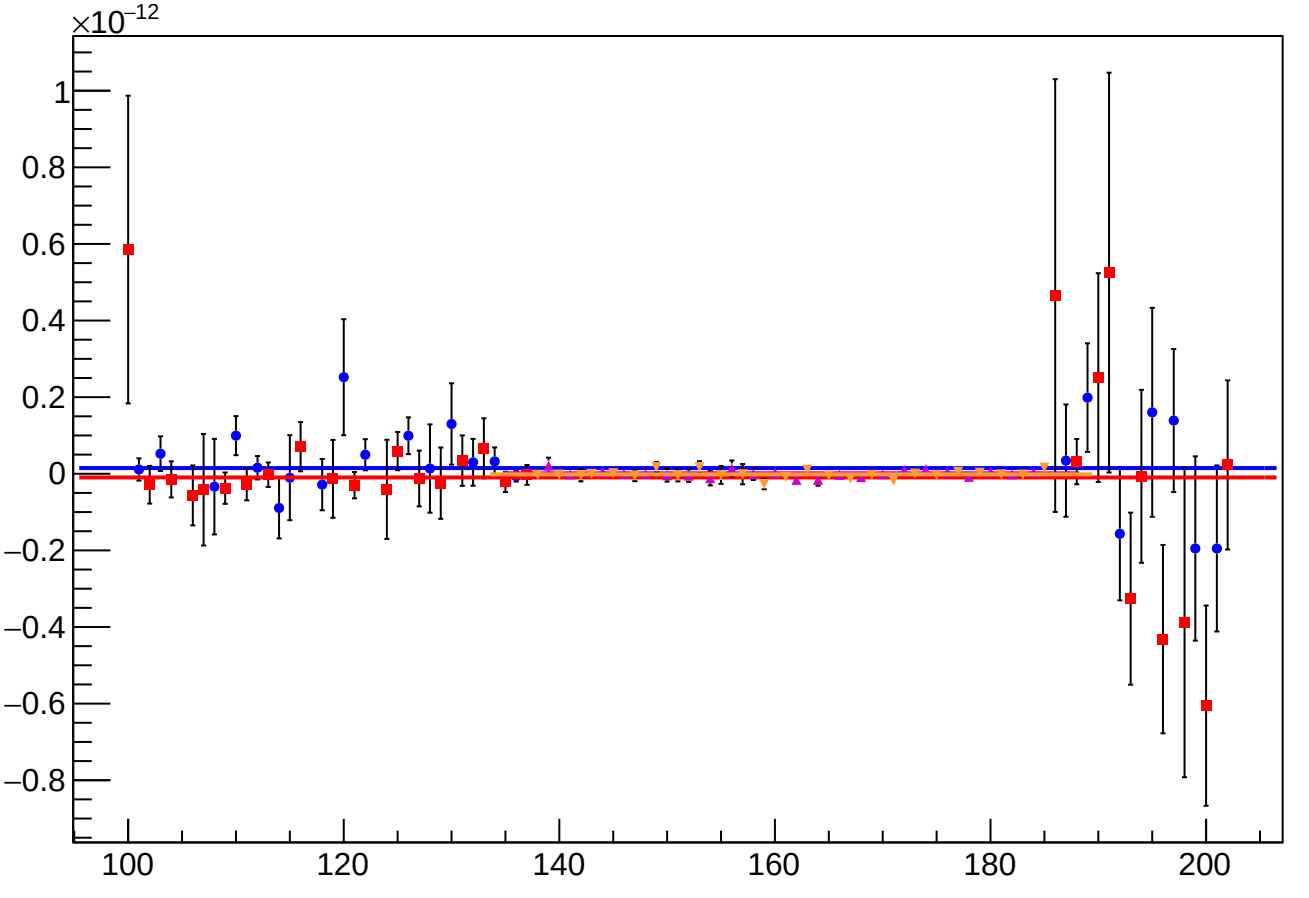
Right Out: 35.336+/-0.008 χ^2/NDF: 6289905.2/28

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 29.551+/-0.004 χ^2/NDF: 12137946.9/47

All: 27.997+/-0.003 χ^2/NDF: 28482646.7/99

- sign 26.641+/-0.004 χ^2/NDF: 16114126.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

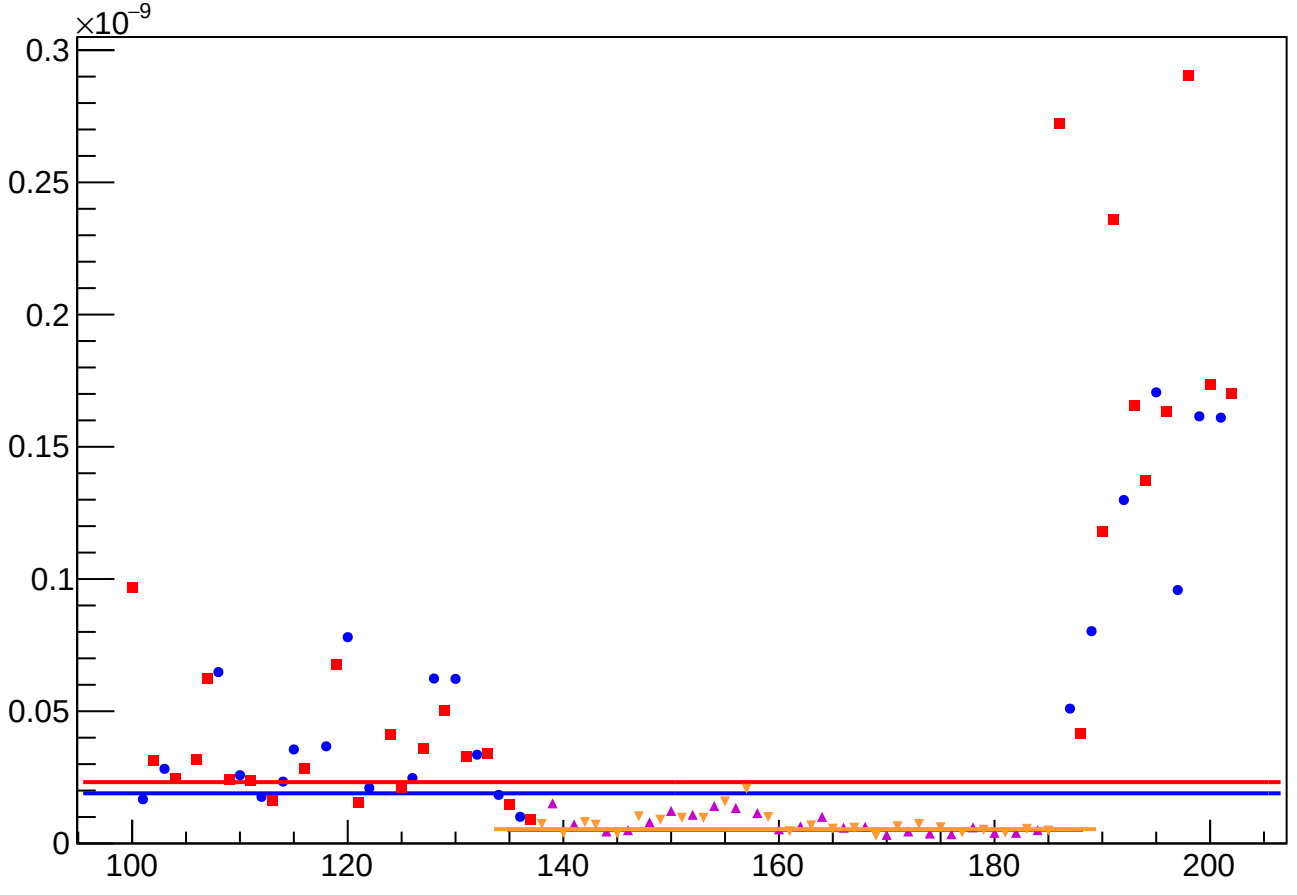
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/28

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.6/47

All: 0.000+/-0.000 χ^2/NDF: 82.4/99

- sign 0.000+/-0.000 χ^2/NDF: 40.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 6303398.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7593260.9/28

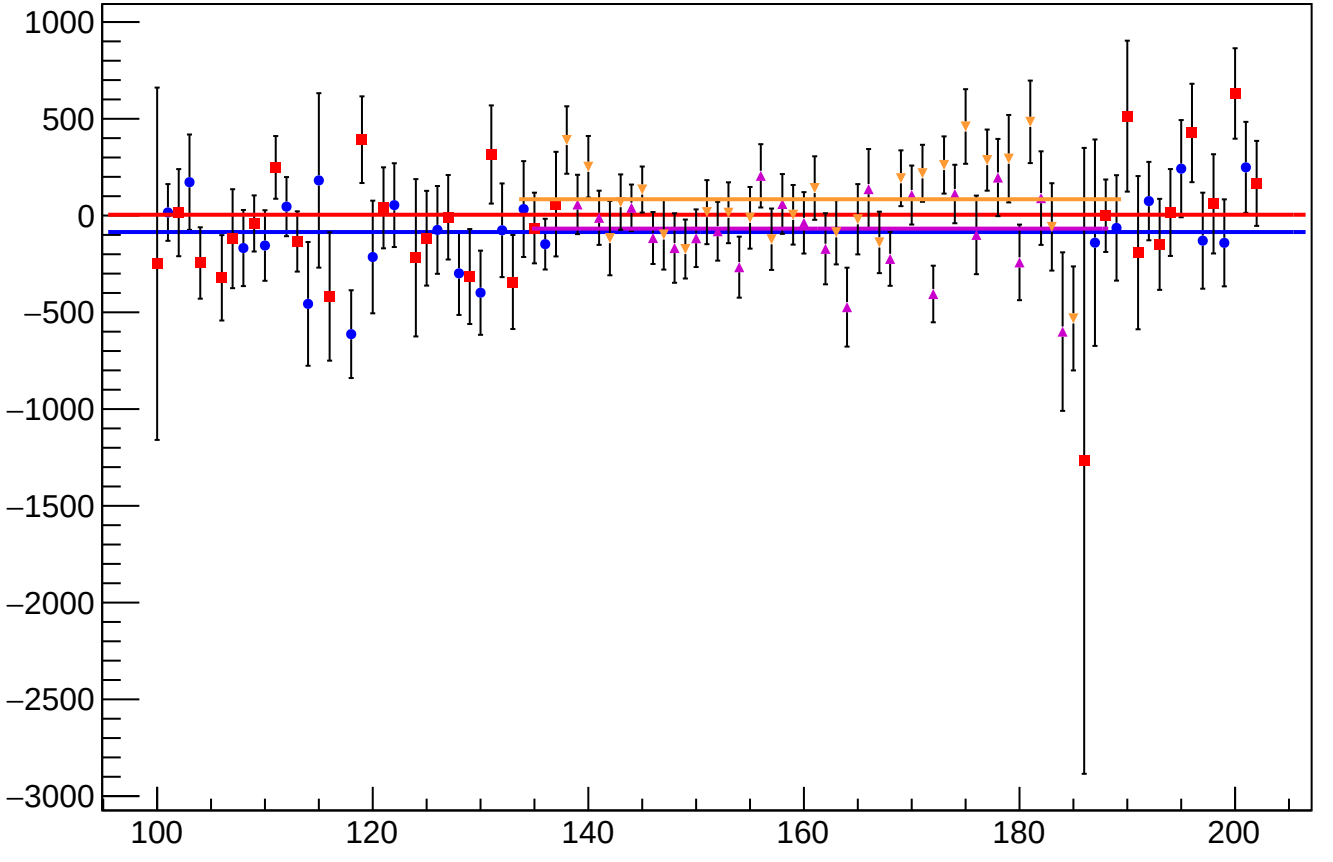
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13413916.4/47

All: 0.000+/-0.000 χ^2/NDF: 30068148.3/99

- sign 0.000+/-0.000 χ^2/NDF: 16635638.1/51

reg_asym_sam_48_avg_mean vs Slug



Right In: -85.185+/-44.980 χ^2/NDF: 18.3/22

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 4.229+/-42.602 χ^2/NDF: 31.7/28

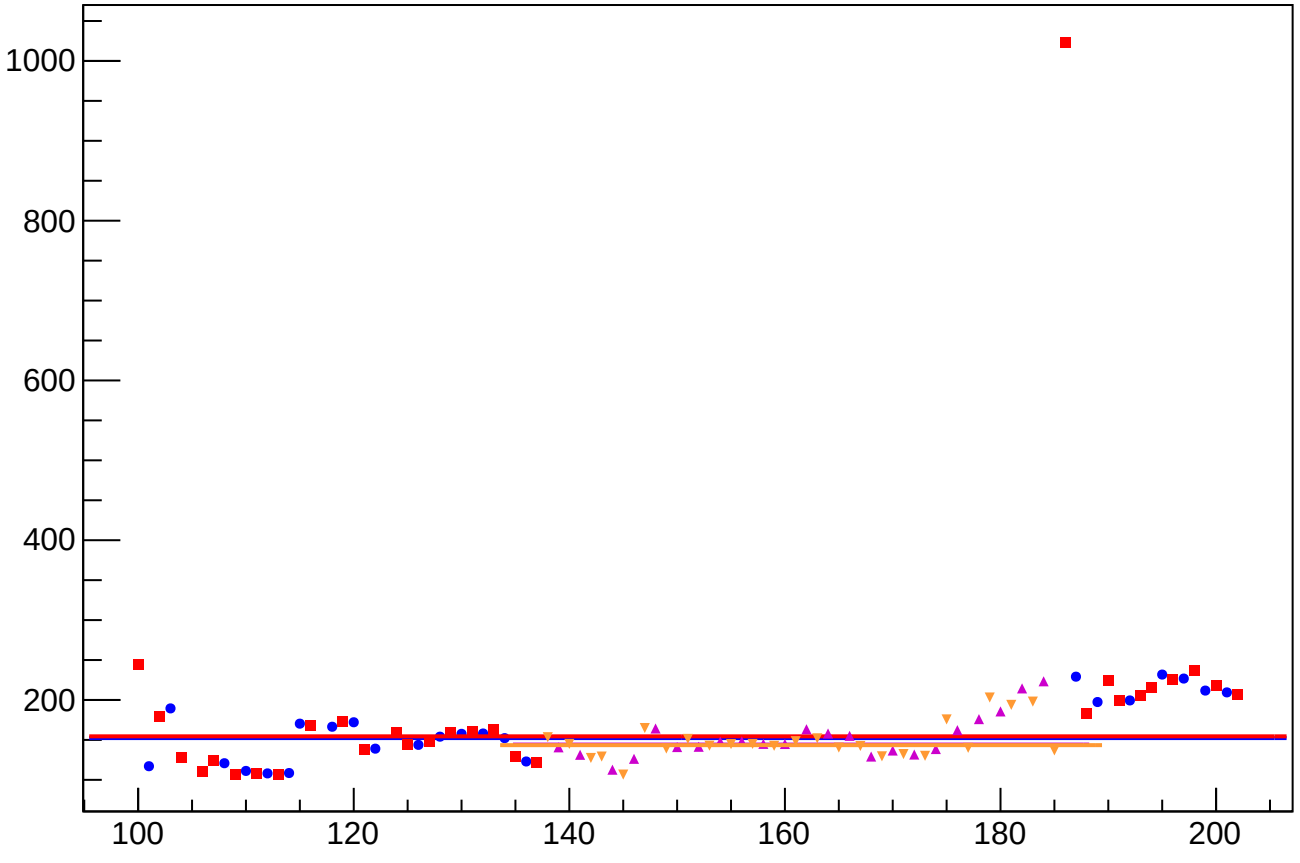
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 24.928+/-26.626 χ^2/NDF: 61.4/47

All: -7.290+/-18.832 χ^2/NDF: 124.2/99

- sign -39.542+/-26.640 χ^2/NDF: 59.9/51

reg_asym_sam_48_avg_rms vs Slug



Right In: 152.294+/-0.032 χ^2/NDF: 1495785.5/22

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.477+/-0.030 χ^2/NDF: 2441947.6/28

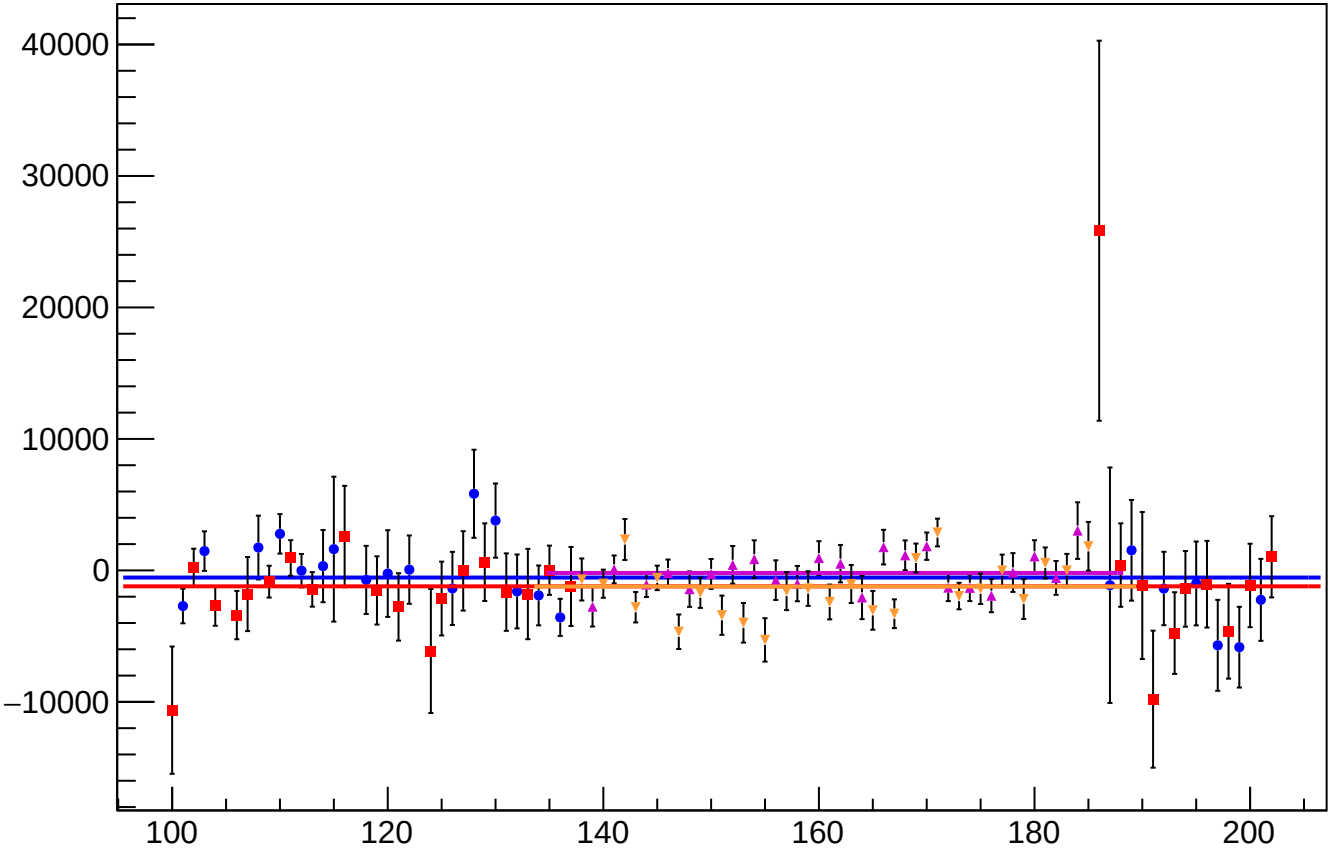
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

\+ sign 146.545+/-0.019 χ^2/NDF: 2293121.0/47

All: 147.372+/-0.013 χ^2/NDF: 5512935.9/99

\- sign 148.201+/-0.019 χ^2/NDF: 3215948.8/51

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -544.129+/-467.400 χ^2/NDF: 27.9/22

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1211.917+/-433.206 χ^2/NDF: 22.7/28

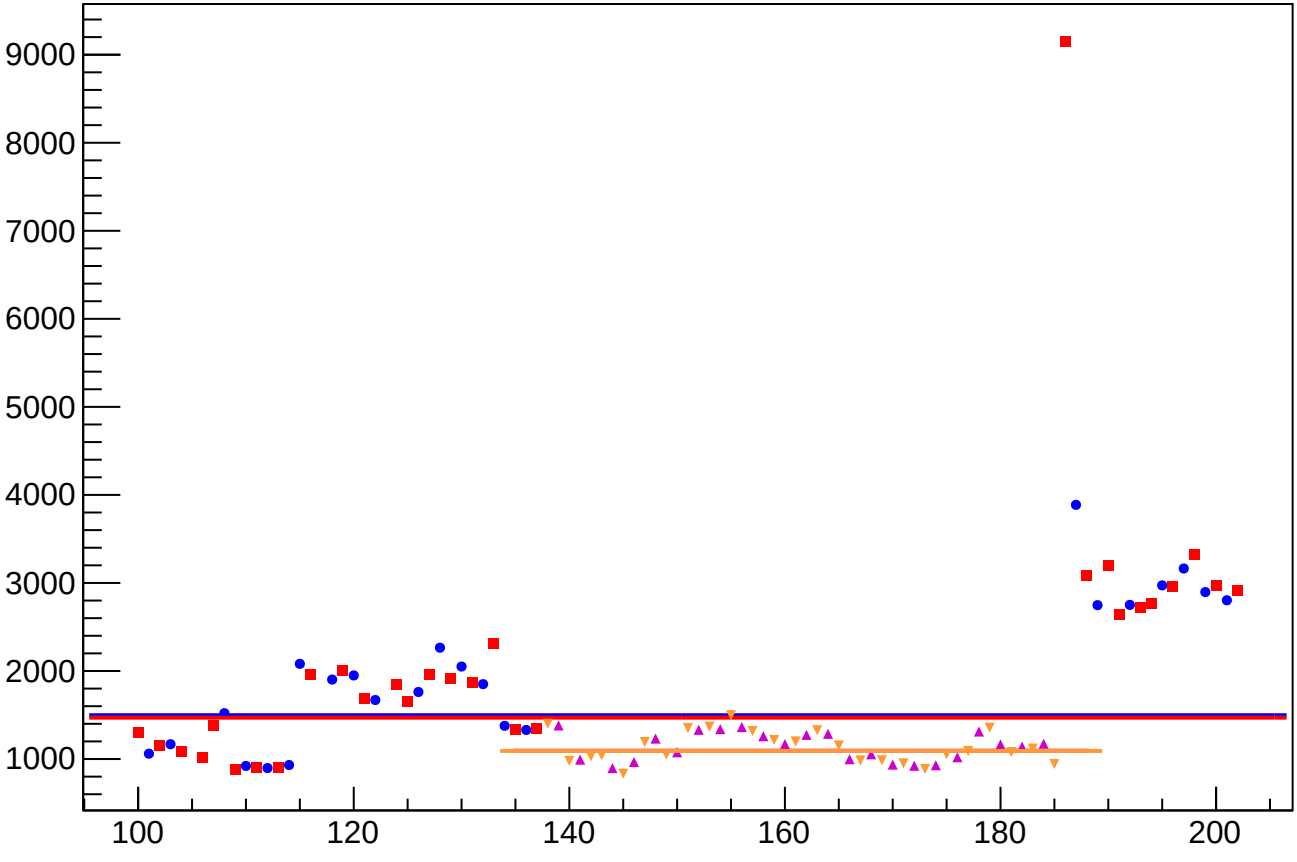
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1071.913+/-221.656 χ^2/NDF: 88.8/47

All: -767.662+/-156.944 χ^2/NDF: 142.6/99

- sign -461.777+/-222.250 χ^2/NDF: 50.0/51

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1497.607+/-0.331 χ^2/NDF: 3944437.5/22

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1469.978+/-0.306 χ^2/NDF: 5898830.6/28

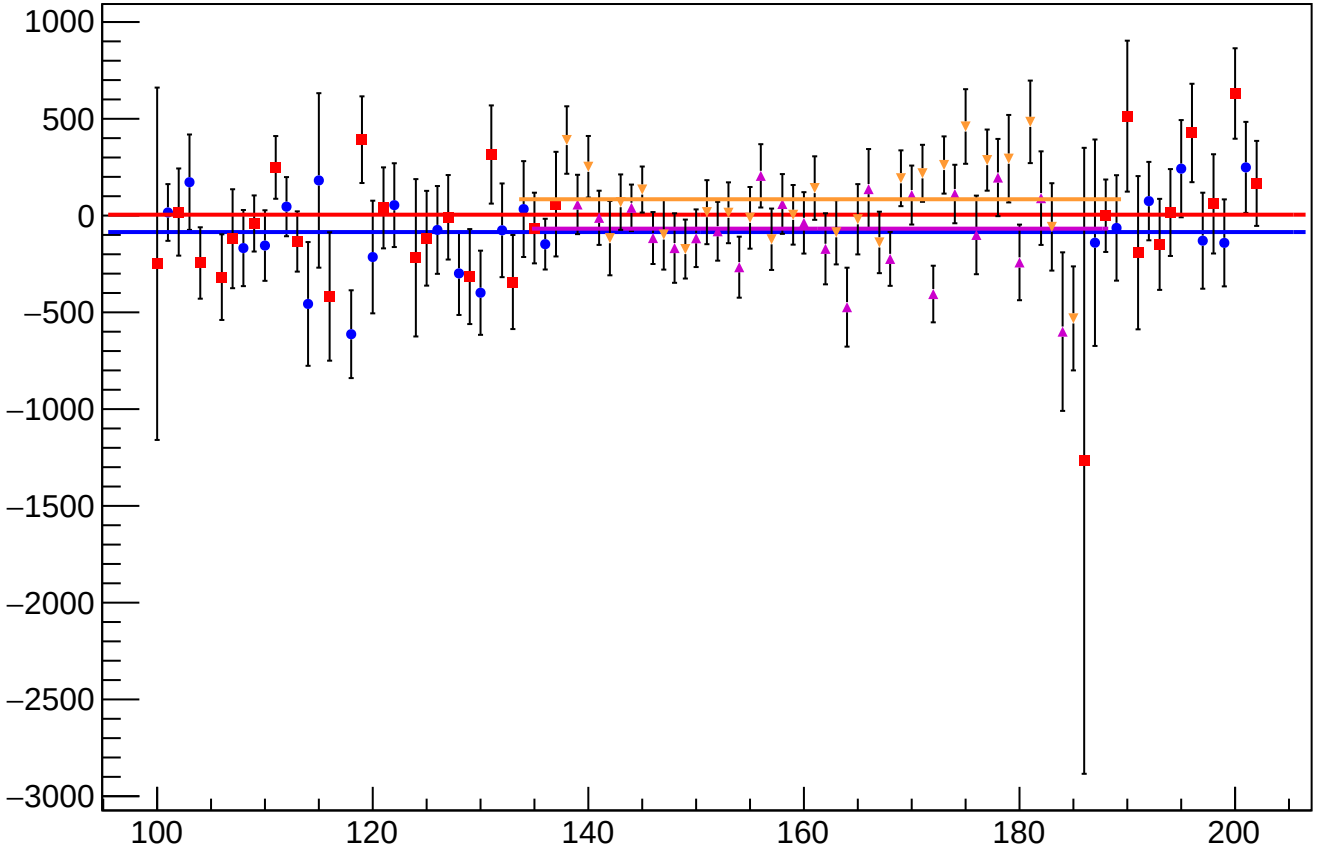
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1183.203+/-0.157 χ^2/NDF: 6004407.1/47

All: 1188.244+/-0.111 χ^2/NDF: 13745435.8/9

- sign 1193.312+/-0.157 χ^2/NDF: 7738954.5/51

cor_asym_sam_48_avg_mean vs Slug



Right In: -85.194+/-44.980 χ^2/NDF: 18.3/22

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 4.556+/-42.608 χ^2/NDF: 31.6/28

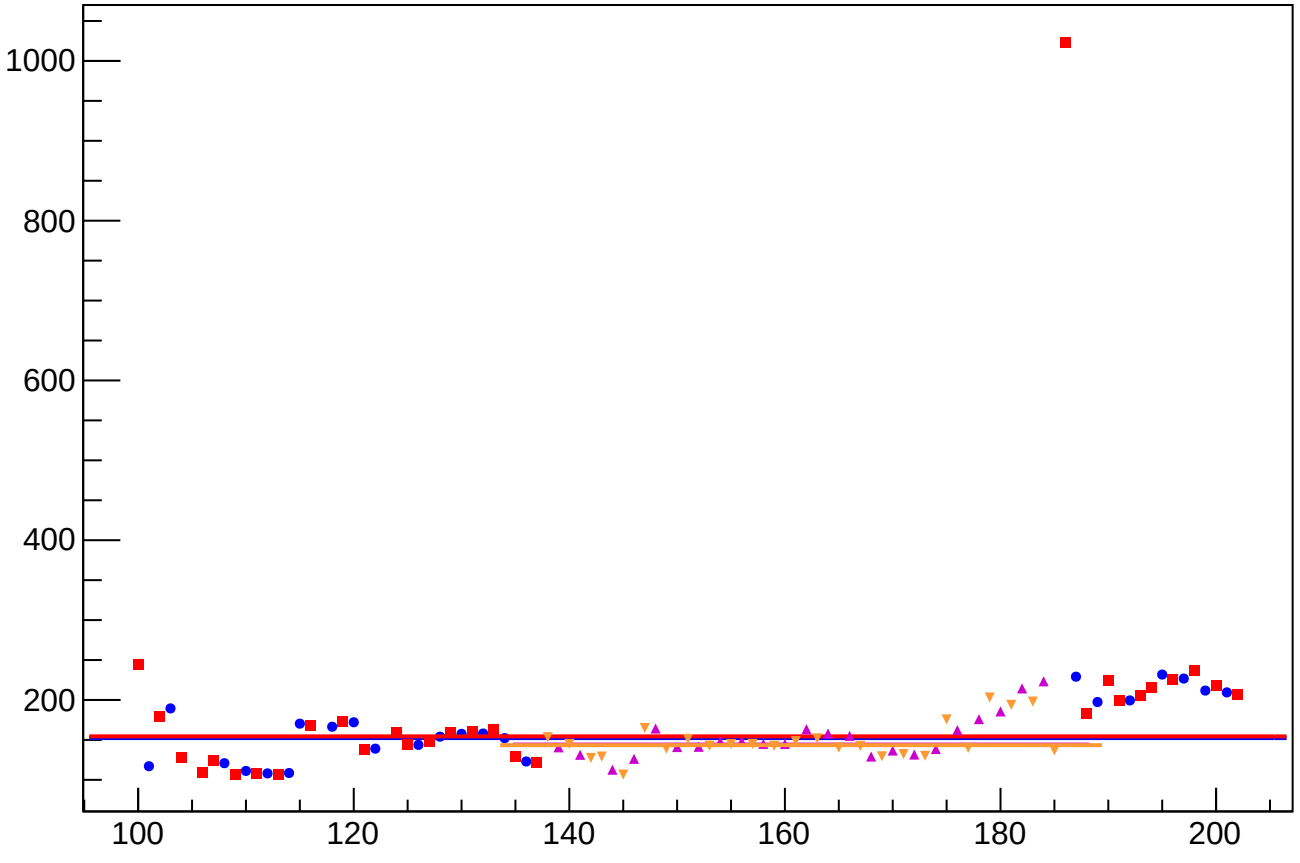
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.934+/-26.626 χ^2/NDF: 61.4/47

All: -7.225+/-18.833 χ^2/NDF: 124.1/99

- sign -39.420+/-26.641 χ^2/NDF: 59.9/51

cor_asym_sam_48_avg_rms vs Slug



Right In: 152.294+/-0.032 χ^2/NDF: 1495787.8/22

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

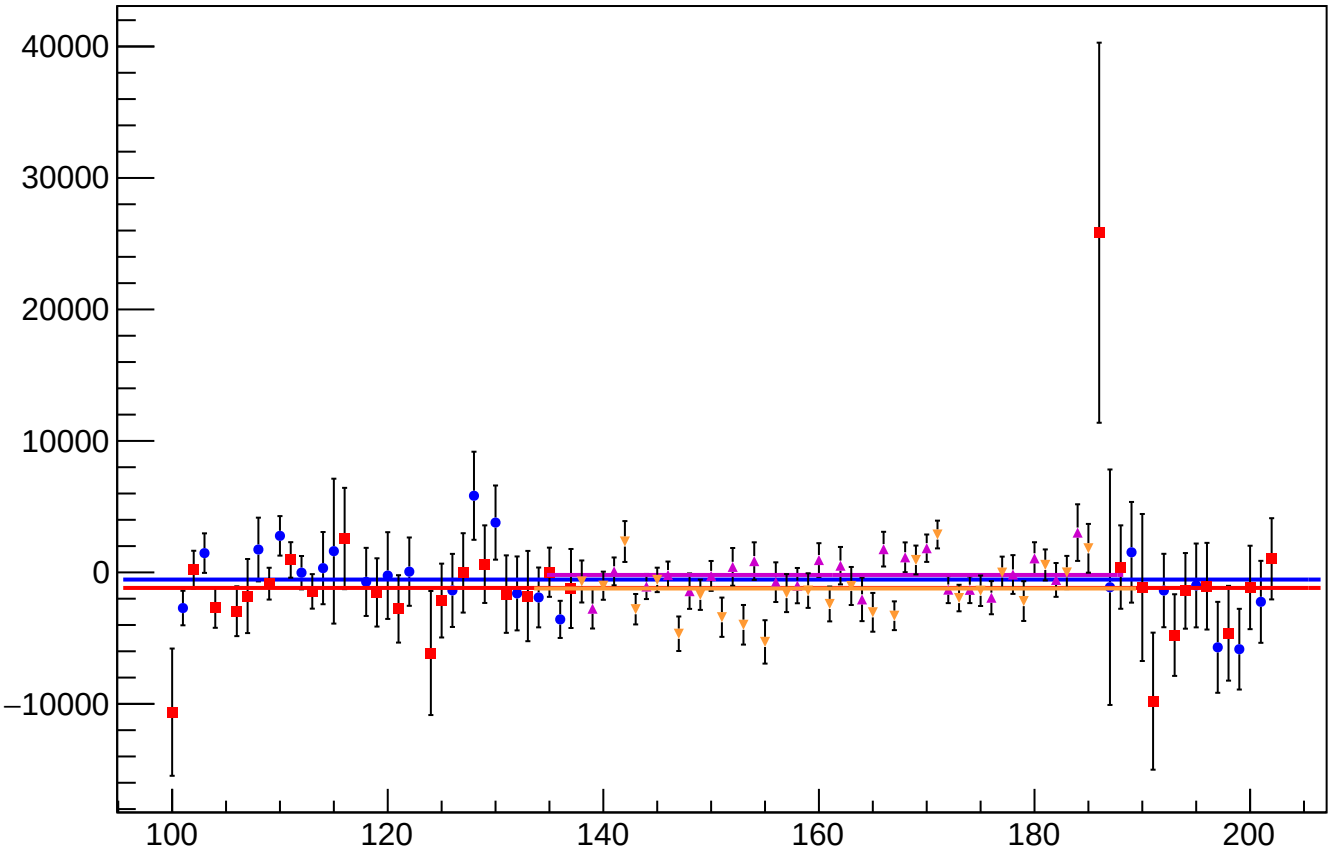
Right Out: 154.430+/-0.030 χ^2/NDF: 2447440.8/28

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 146.545+/-0.019 χ^2/NDF: 2293123.6/47

All: 147.363+/-0.013 χ^2/NDF: 5517682.9/99

- sign 148.182+/-0.019 χ^2/NDF: 3220781.8/51



Right In: -544.193+/-467.404 χ^2/NDF: 27.9/22

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1182.031+/-433.937 χ^2/NDF: 22.1/28

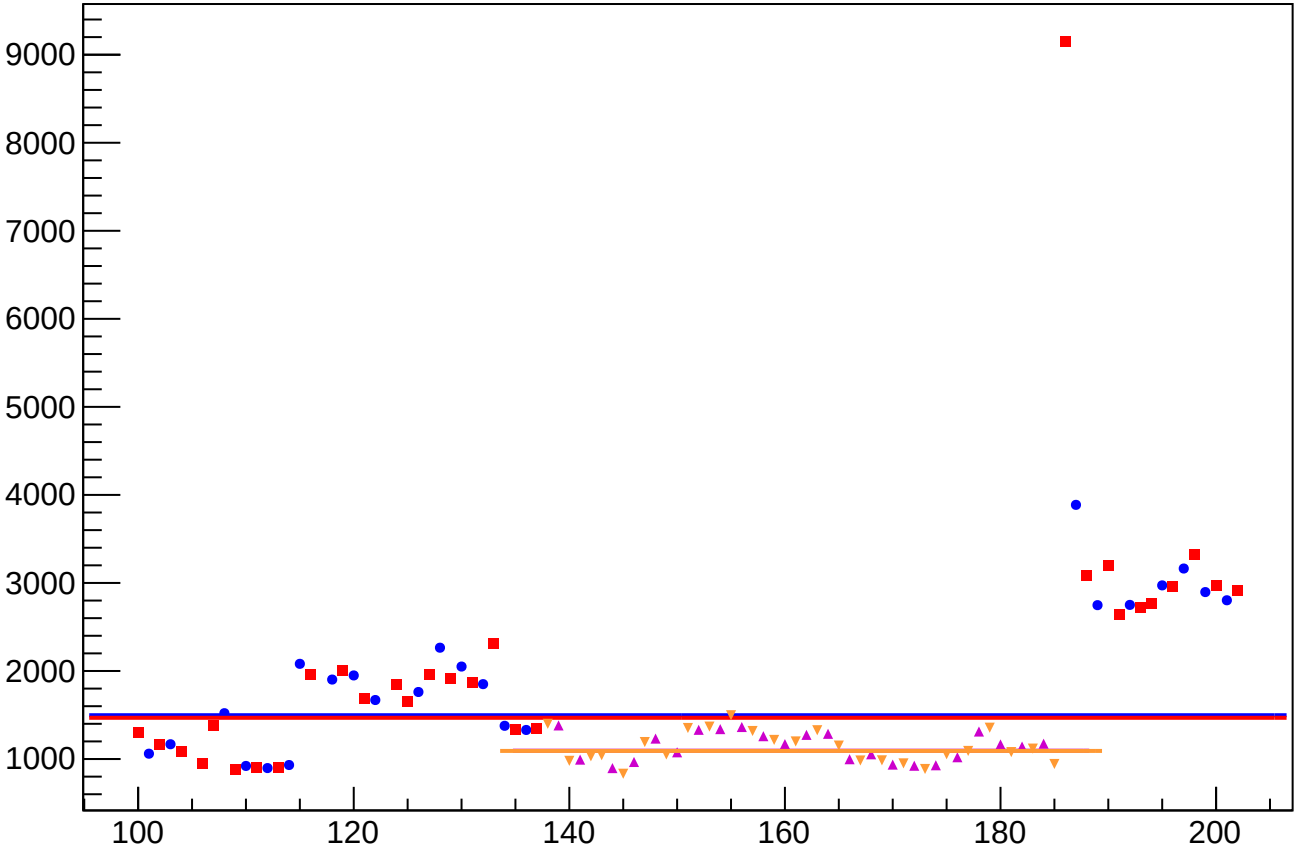
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1071.916+/-221.656 χ^2/NDF: 88.8/47

All: -763.556+/-156.979 χ^2/NDF: 141.8/99

- sign -453.268+/-222.348 χ^2/NDF: 49.2/51

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1497.622+/-0.331 χ^2/NDF: 3944360.7/22

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1468.306+/-0.307 χ^2/NDF: 5924599.4/28

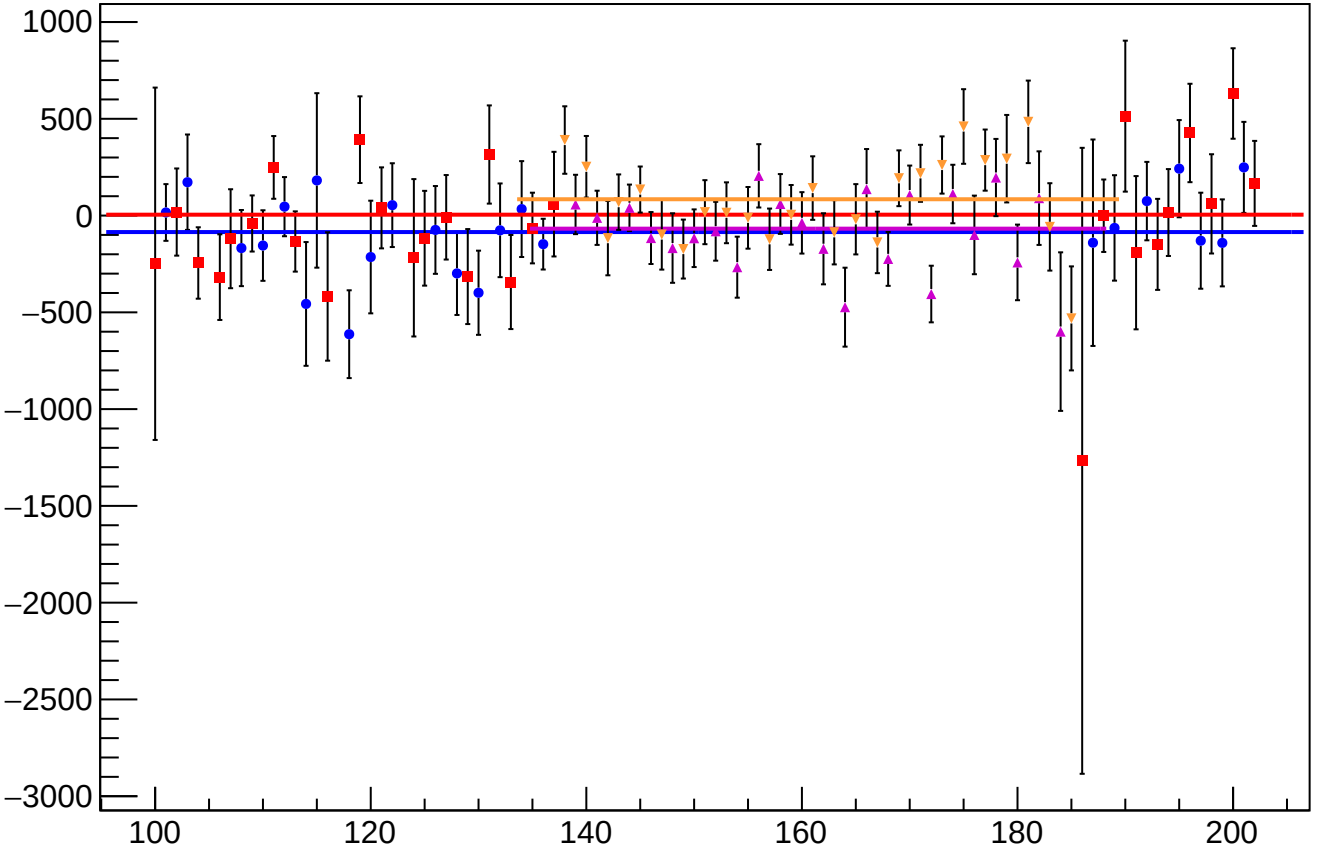
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1183.206+/-0.157 χ^2/NDF: 6004403.6/47

All: 1187.902+/-0.111 χ^2/NDF: 13758367.7/9

- sign 1192.628+/-0.157 χ^2/NDF: 7752162.8/51

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -85.194+/-44.980 χ^2/NDF: 18.3/22

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 4.556+/-42.608 χ^2/NDF: 31.6/28

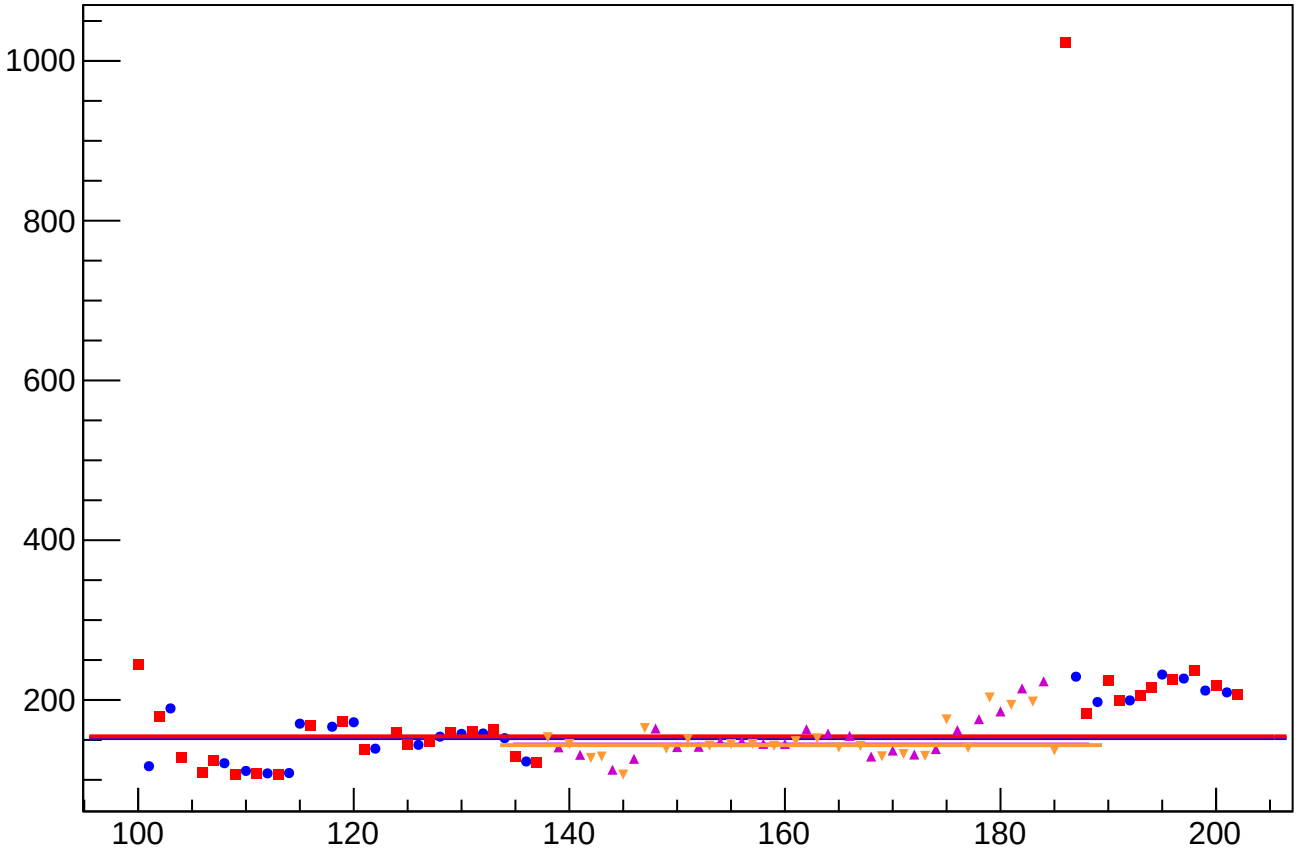
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.934+/-26.626 χ^2/NDF: 61.4/47

All: -7.225+/-18.833 χ^2/NDF: 124.1/99

- sign -39.420+/-26.641 χ^2/NDF: 59.9/51

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 152.294+/-0.032 χ^2/NDF: 1495787.8/22

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

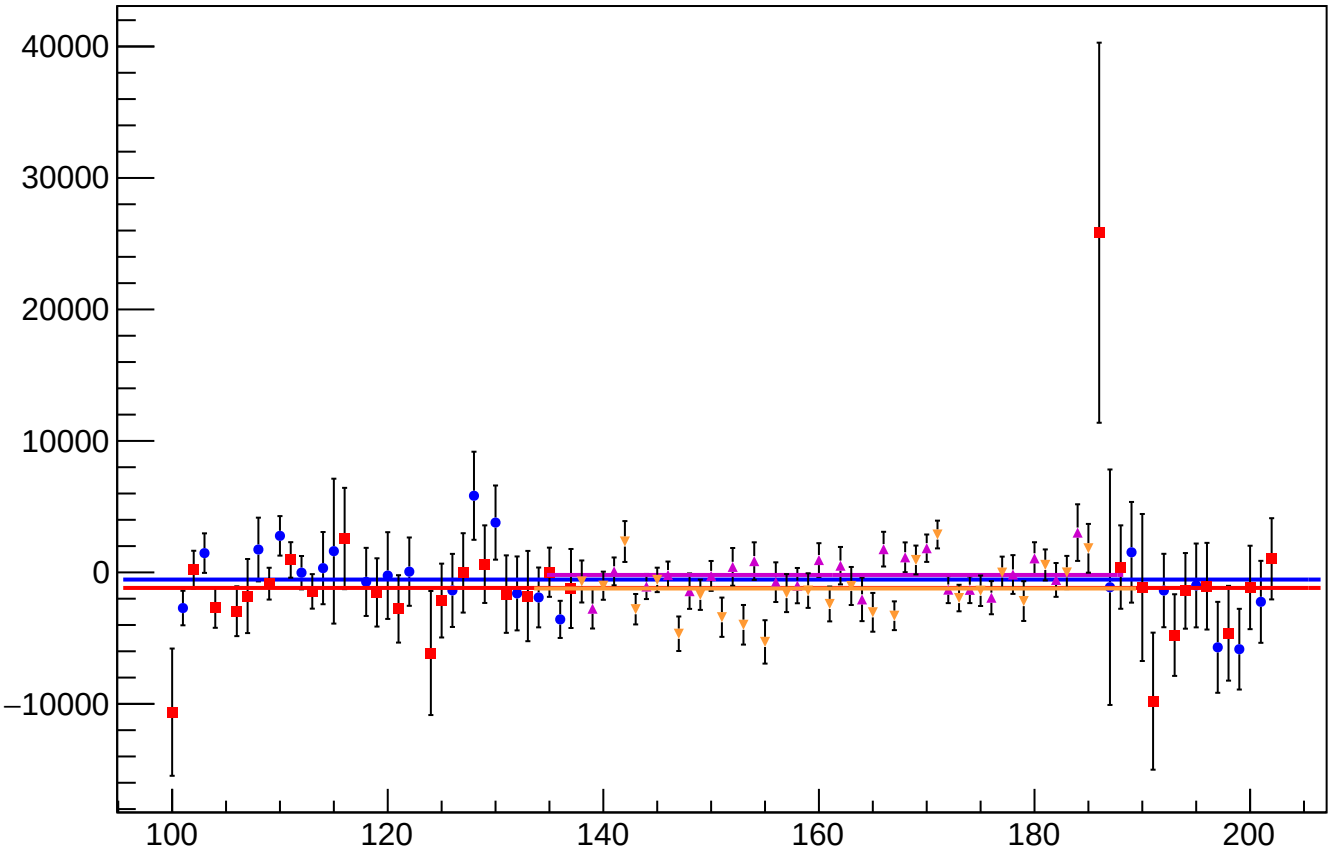
Right Out: 154.430+/-0.030 χ^2/NDF: 2447440.8/28

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 146.545+/-0.019 χ^2/NDF: 2293123.6/47

All: 147.363+/-0.013 χ^2/NDF: 5517682.9/99

- sign 148.182+/-0.019 χ^2/NDF: 3220781.8/51



Right In: -544.193+/-467.404 χ^2/NDF: 27.9/22

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1182.031+/-433.937 χ^2/NDF: 22.1/28

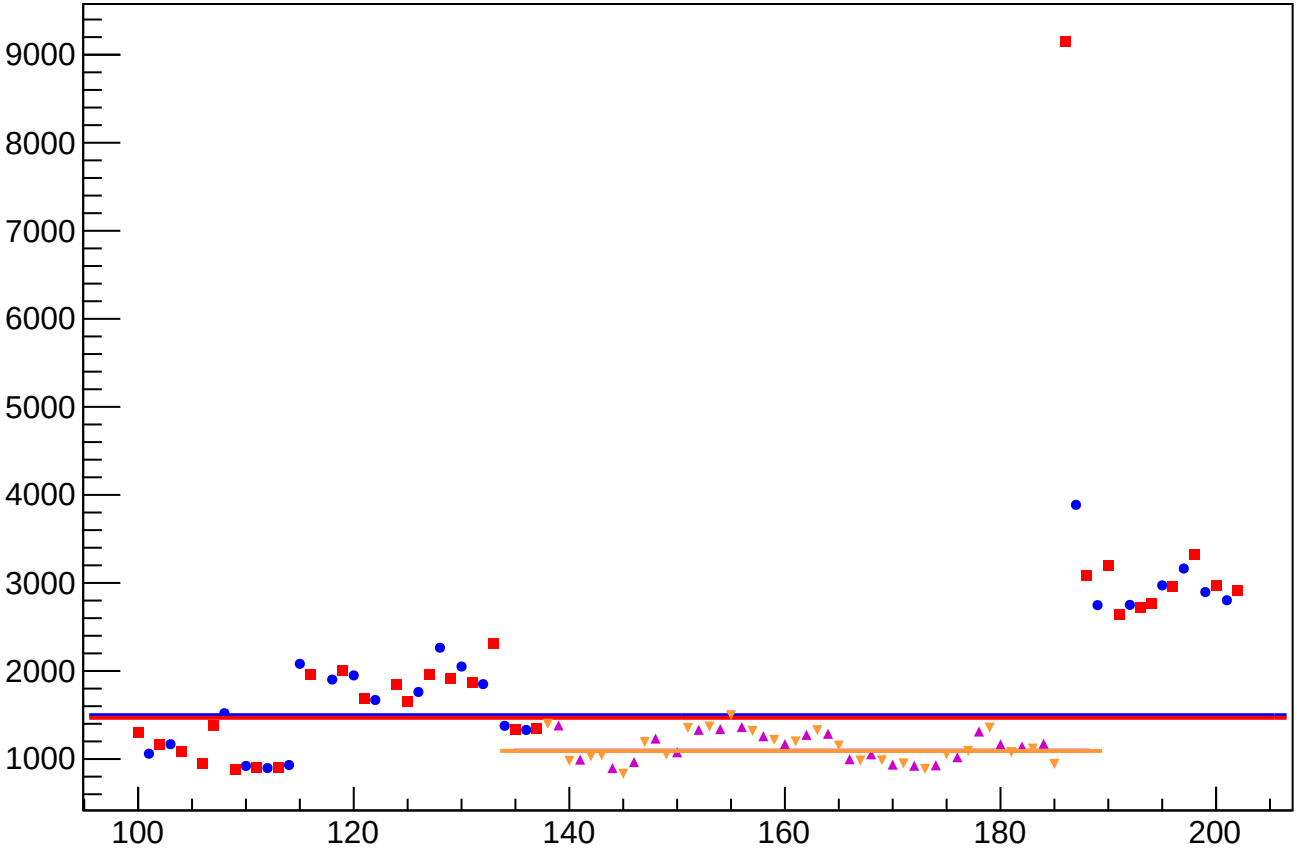
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

\+ sign -1071.916+/-221.656 χ^2/NDF: 88.8/47

All: -763.556+/-156.979 χ^2/NDF: 141.8/99

\- sign -453.268+/-222.348 χ^2/NDF: 49.2/51

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1497.622+/-0.331 χ^2/NDF: 3944360.7/22

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1468.306+/-0.307 χ^2/NDF: 5924599.4/28

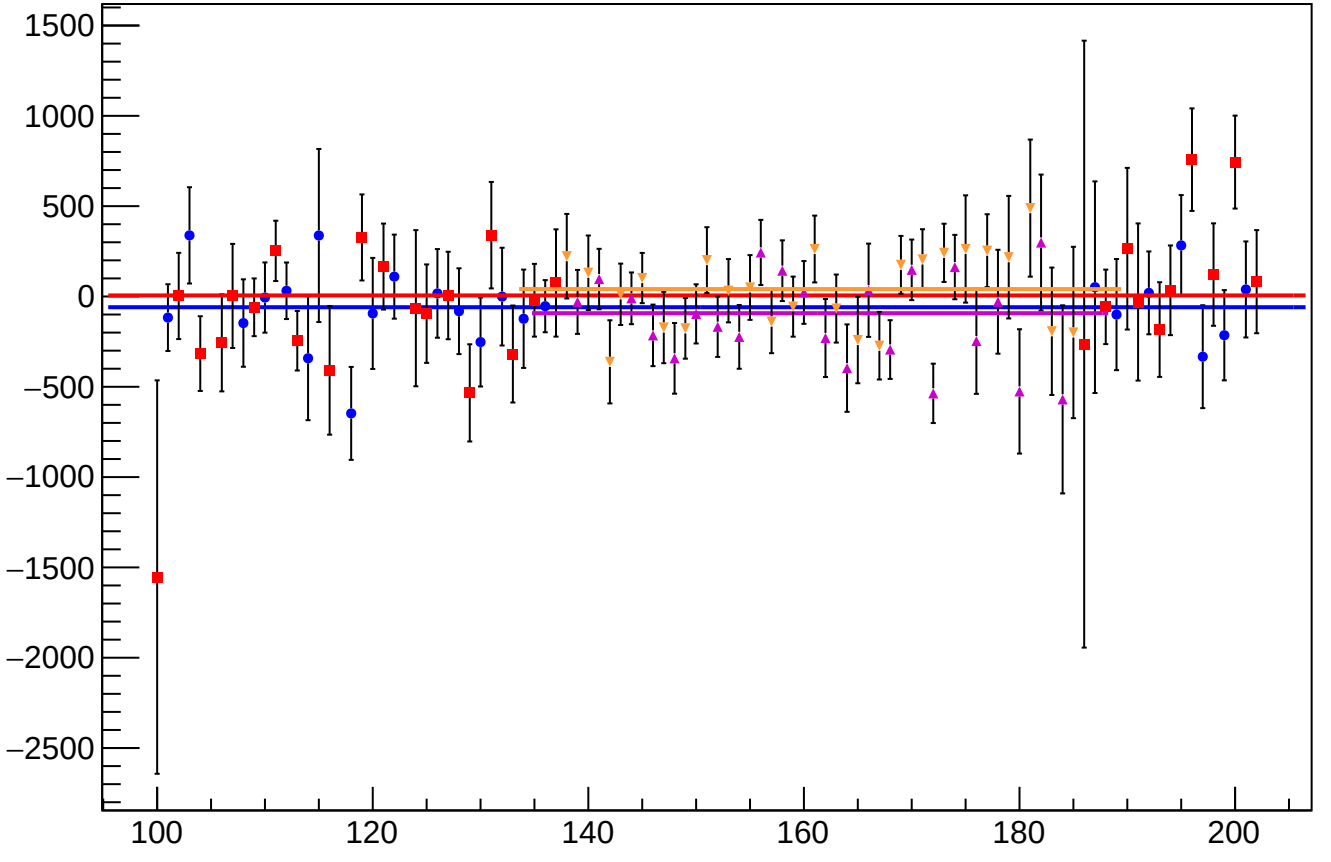
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1183.206+/-0.157 χ^2/NDF: 6004403.6/47

All: 1187.902+/-0.111 χ^2/NDF: 13758367.7/9

- sign 1192.628+/-0.157 χ^2/NDF: 7752162.8/51

dit_asym_sam_48_avg_mean vs Slug



Right In: -59.478+/-50.089 χ^2/NDF: 13.9/22

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 5.825+/-47.096 χ^2/NDF: 37.2/28

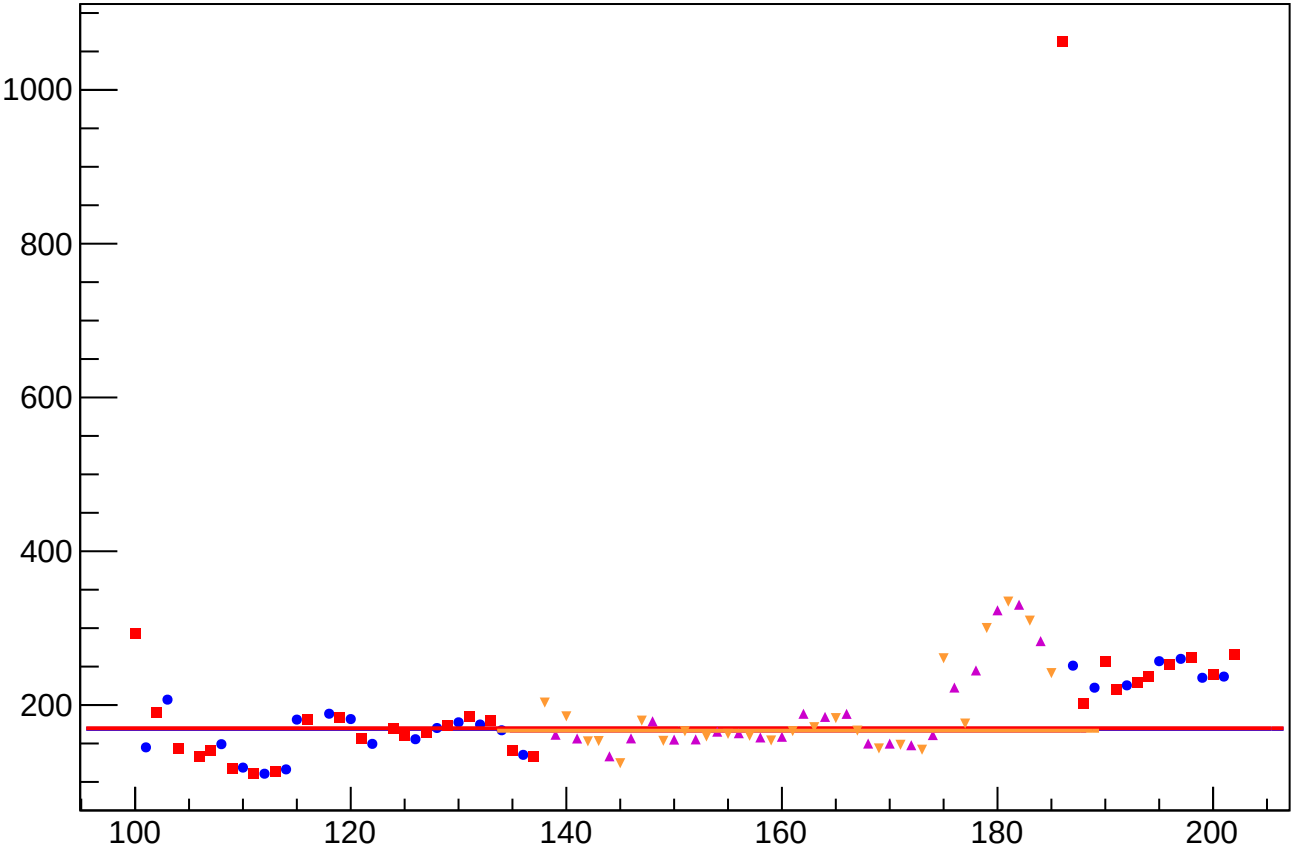
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 2.916+/-30.859 χ^2/NDF: 38.8/47

All: -24.369+/-21.714 χ^2/NDF: 109.5/99

- sign -51.130+/-30.561 χ^2/NDF: 69.2/51

dit_asym_sam_48_avg_rms vs Slug



Right In: 168.983+/-0.035 χ^2/NDF: 1594845.7/22

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 169.763+/-0.033 χ^2/NDF: 2642363.3/28

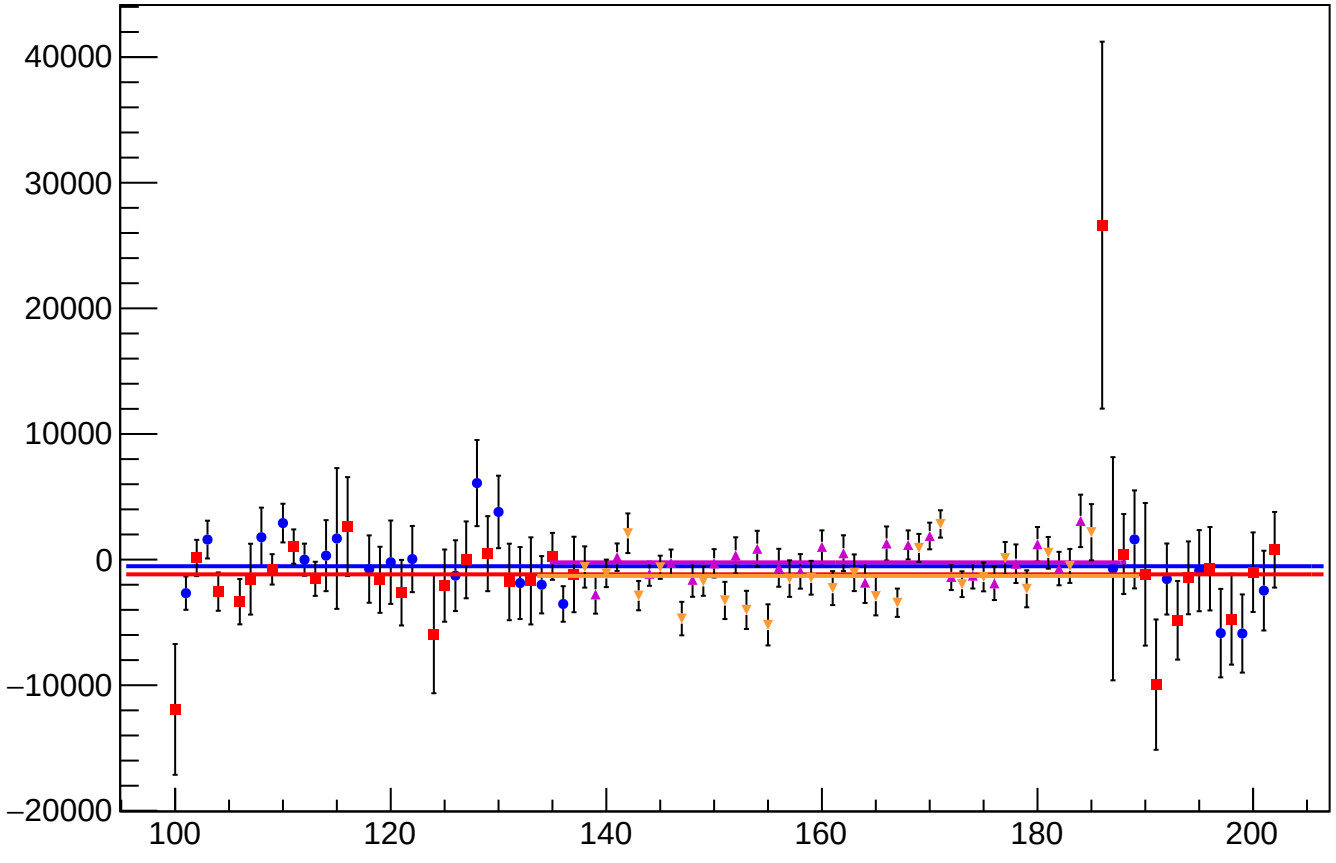
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 167.503+/-0.022 χ^2/NDF: 3317492.8/47

All: 167.634+/-0.015 χ^2/NDF: 7358624.3/99

- sign 167.763+/-0.022 χ^2/NDF: 4041060.1/51

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -527.991+/-472.202 χ^2/NDF: 28.3/22

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1173.042+/-436.733 χ^2/NDF: 23.2/28

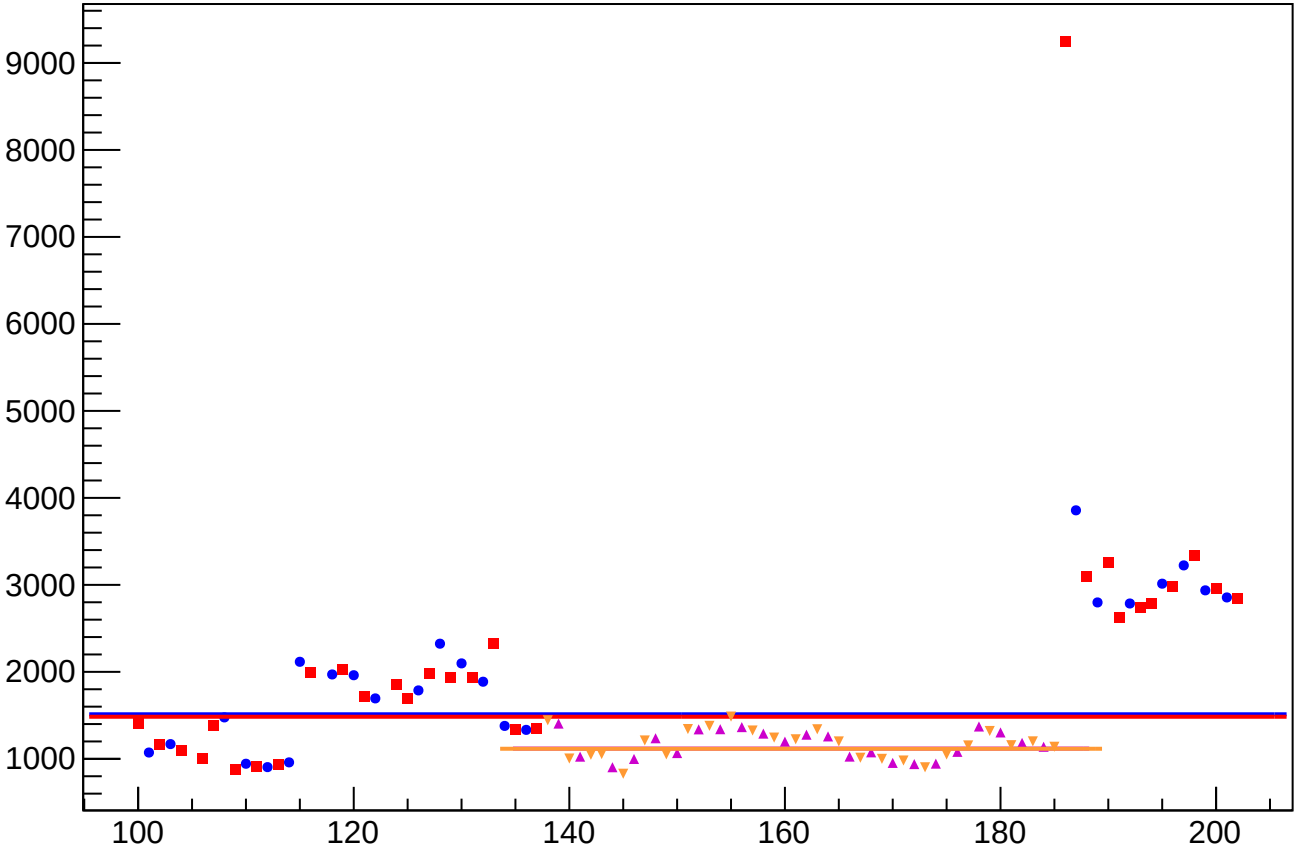
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

\+ sign -1122.332+/-225.706 χ^2/NDF: 85.4/47

All: -798.641+/-159.763 χ^2/NDF: 138.5/99

\- sign -473.612+/-226.173 χ^2/NDF: 48.9/51

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1512.380+/-0.334 χ^2/NDF: 3983017.3/22

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1483.953+/-0.309 χ^2/NDF: 5865317.7/28

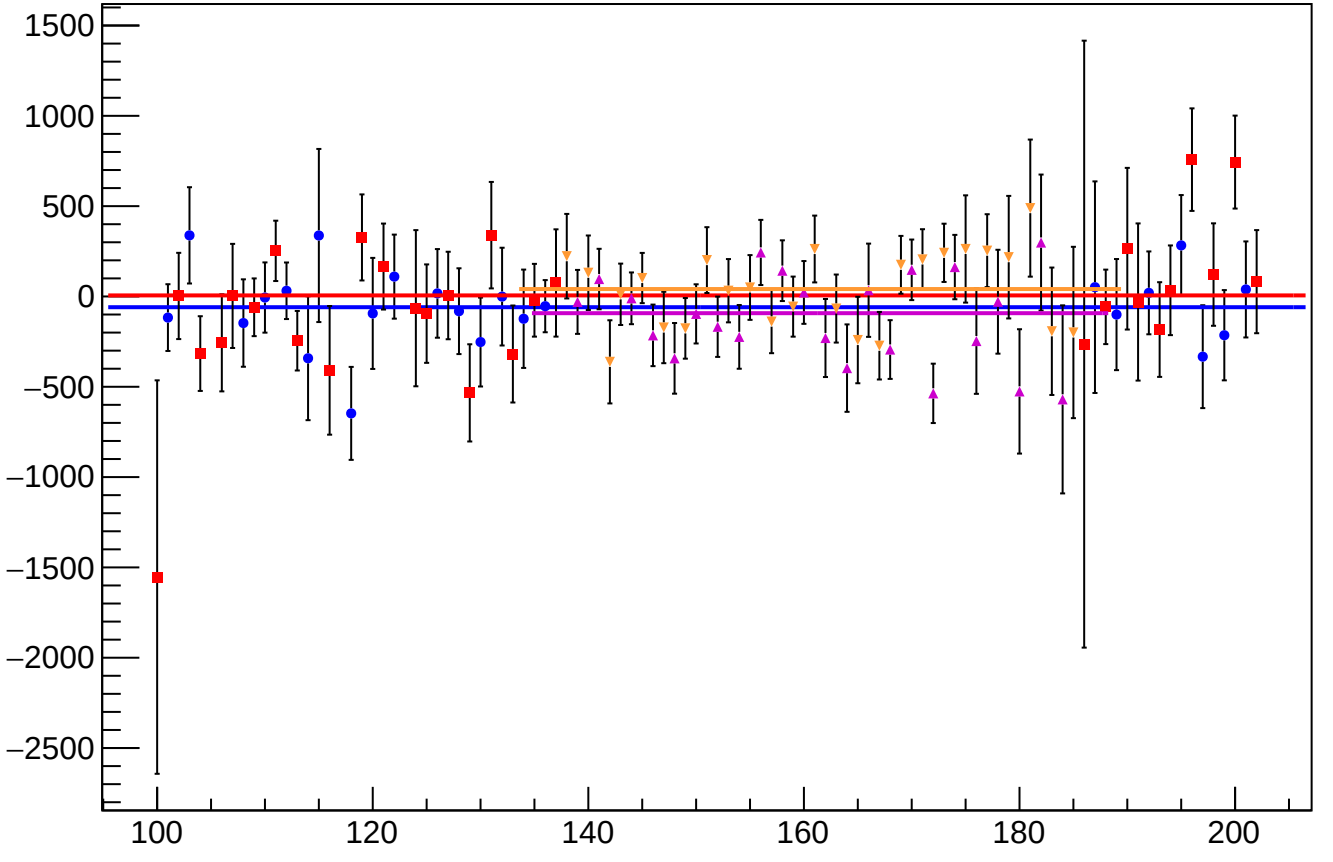
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1206.588+/-0.160 χ^2/NDF: 5937626.3/47

All: 1211.295+/-0.113 χ^2/NDF: 13562672.5/9

- sign 1216.023+/-0.160 χ^2/NDF: 7623302.4/51

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -59.475+/-50.089 χ^2/NDF: 13.9/22

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 5.826+/-47.096 χ^2/NDF: 37.2/28

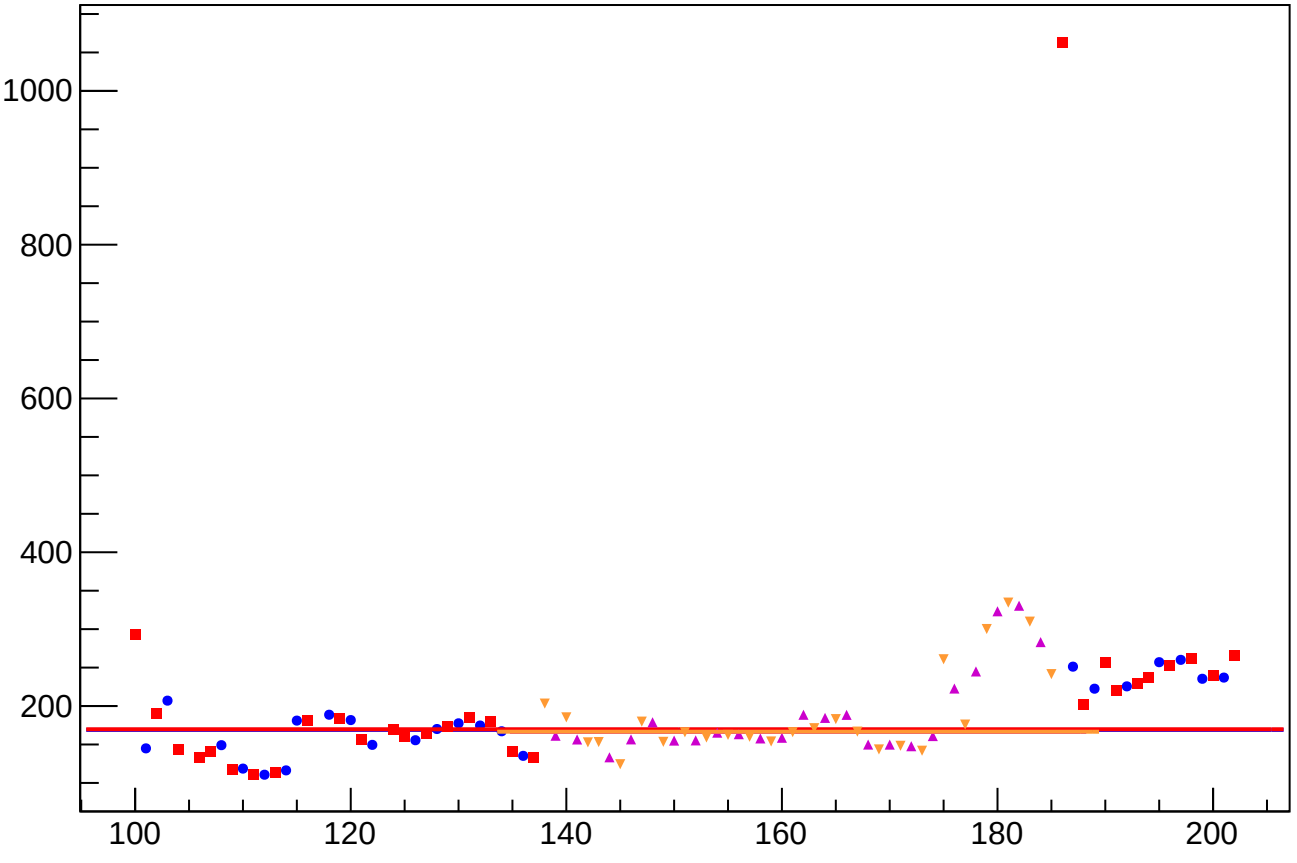
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 2.919+/-30.859 χ^2/NDF: 38.8/47

All: -24.368+/-21.714 χ^2/NDF: 109.5/99

- sign -51.130+/-30.561 χ^2/NDF: 69.2/51

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 168.983+/-0.035 χ^2/NDF: 1594837.2/22

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 169.763+/-0.033 χ^2/NDF: 2642370.2/28

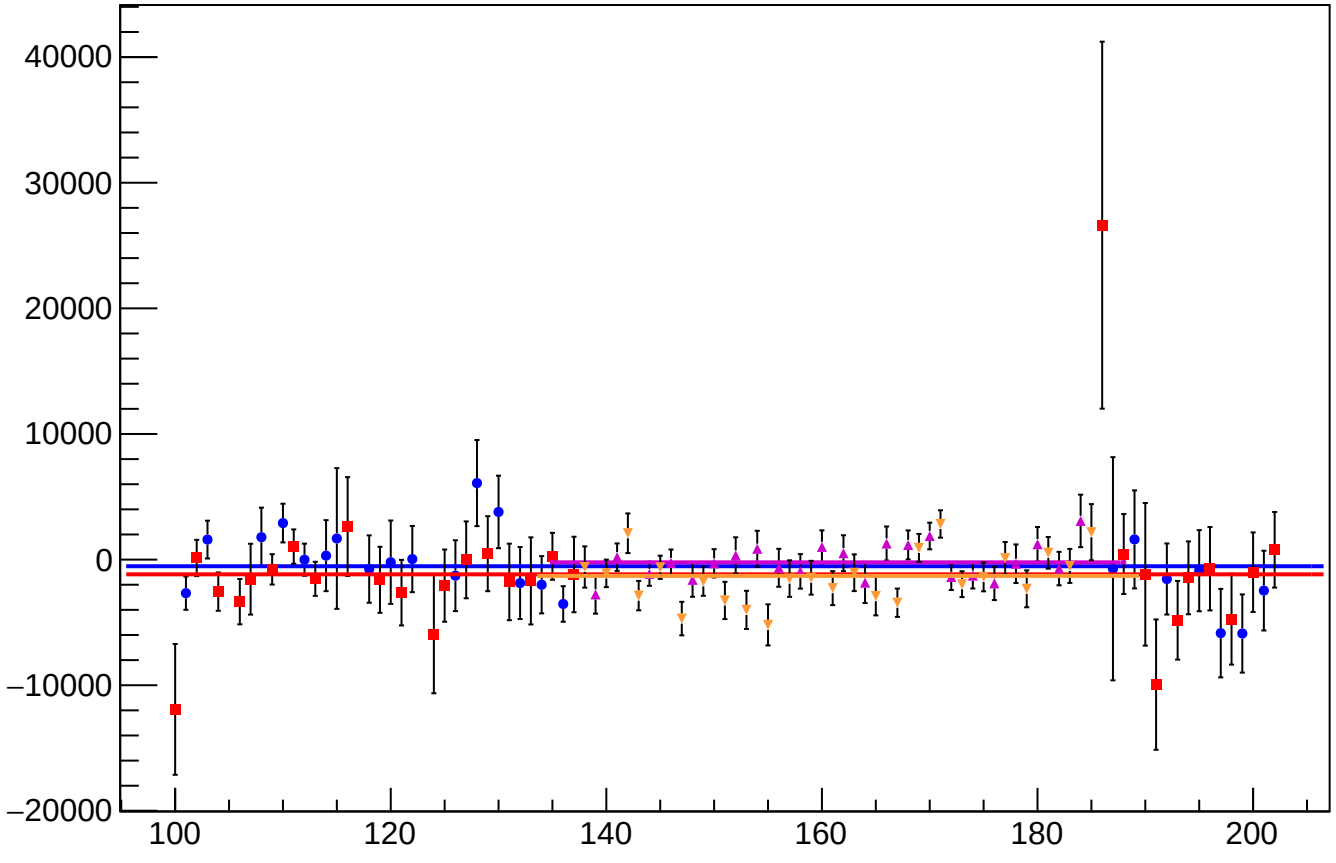
Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 167.504+/-0.022 χ^2/NDF: 3317477.4/47

All: 167.635+/-0.015 χ^2/NDF: 7358594.5/99

- sign 167.763+/-0.022 χ^2/NDF: 4041045.7/51

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -527.990+/-472.201 χ^2/NDF: 28.3/22

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1173.041+/-436.733 χ^2/NDF: 23.2/28

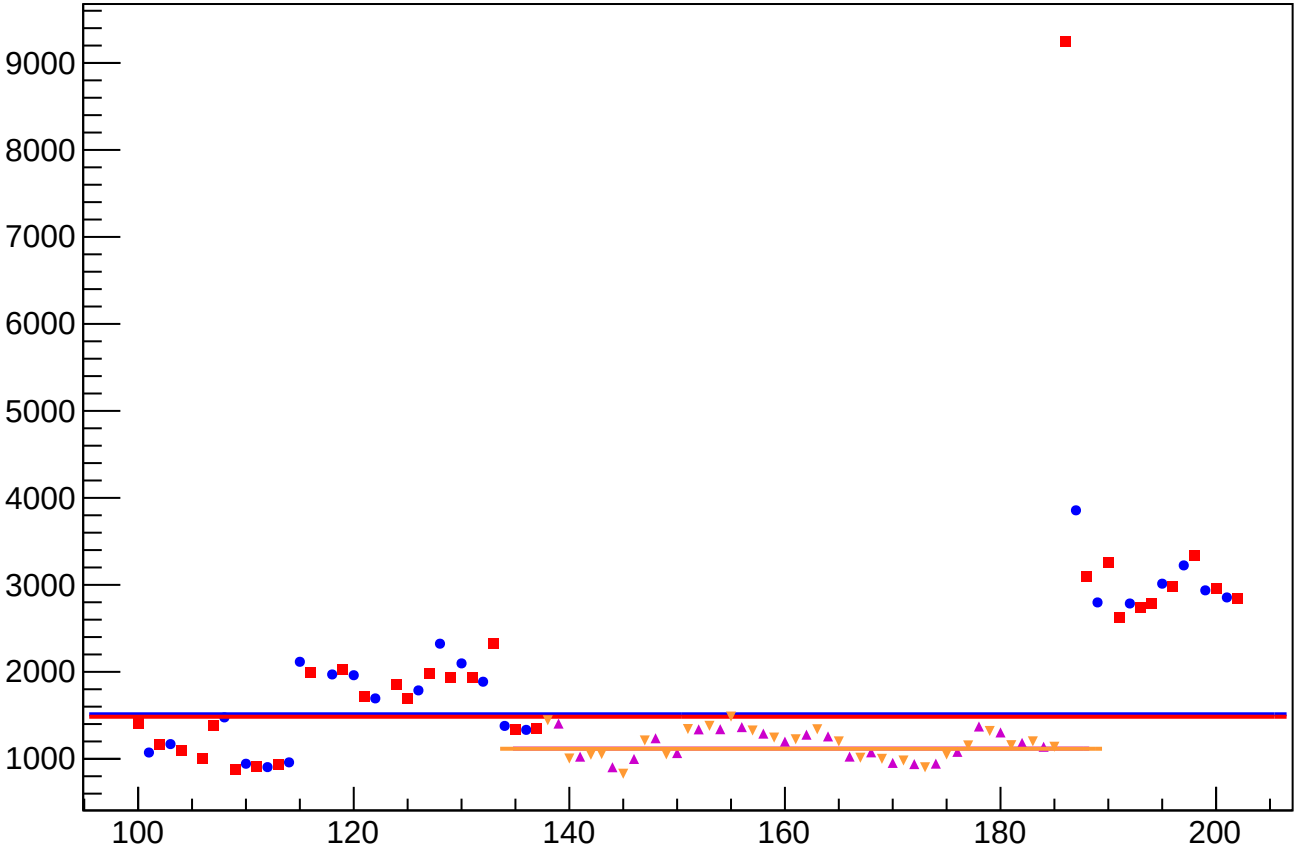
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1122.329+/-225.706 χ^2/NDF: 85.4/47

All: -798.639+/-159.763 χ^2/NDF: 138.5/99

- sign -473.611+/-226.172 χ^2/NDF: 48.9/51

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1512.379+/-0.334 χ^2/NDF: 3983019.5/22

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1483.952+/-0.309 χ^2/NDF: 5865316.3/28

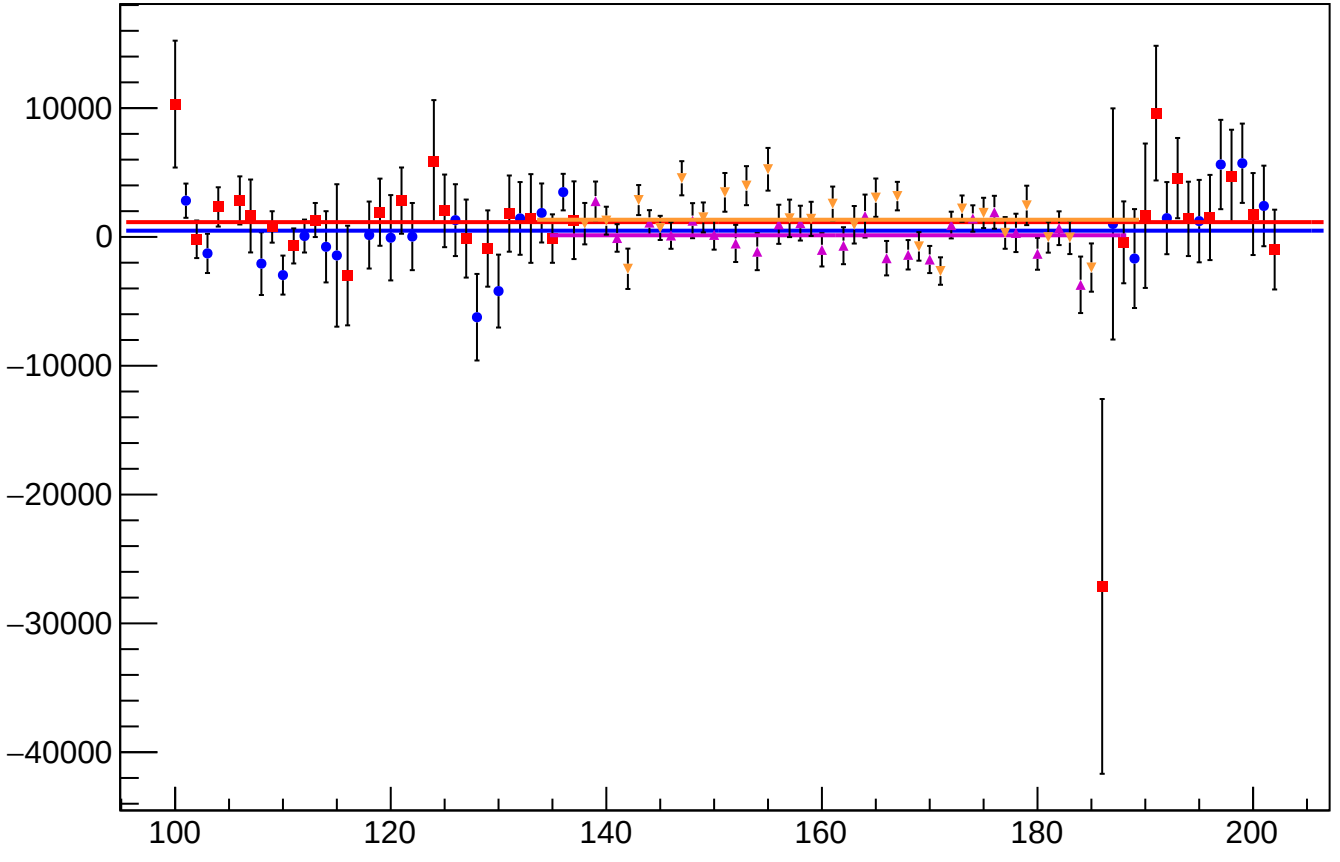
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1206.586+/-0.160 χ^2/NDF: 5937634.9/47

All: 1211.293+/-0.113 χ^2/NDF: 13562683.1/9

- sign 1216.021+/-0.160 χ^2/NDF: 7623304.4/51

asym_sam_48_avg_mean vs Slug



Right In: 485.483+/-470.591 χ^2/NDF: 28.9/22

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1149.401+/-436.234 χ^2/NDF: 21.0/28

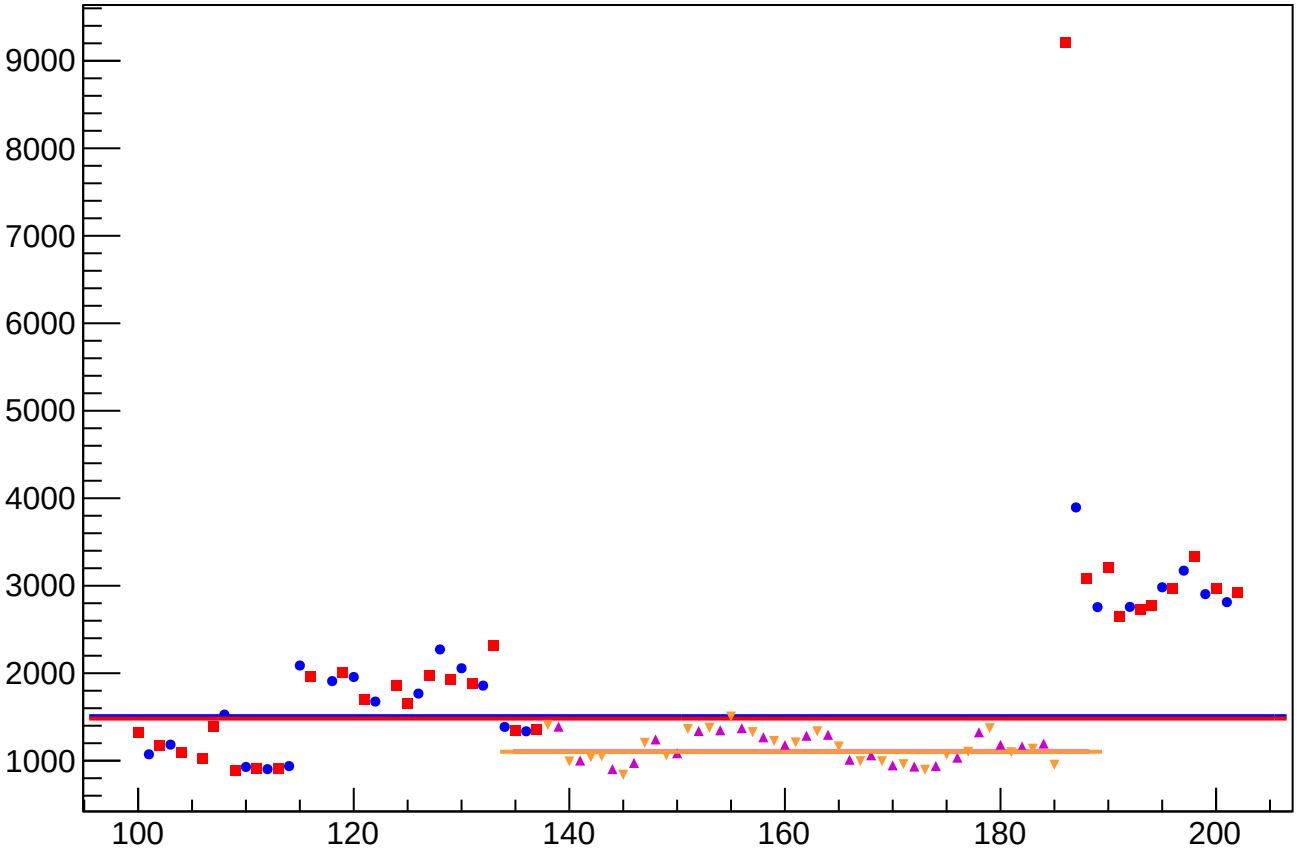
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1142.899+/-223.647 χ^2/NDF: 87.1/47

All: 771.502+/-158.350 χ^2/NDF: 141.7/99

- sign 398.147+/-224.236 χ^2/NDF: 49.0/51

asym_sam_48_avg_rms vs Slug



Right In: 1509.343+/-0.333 χ^2/NDF: 3902832.4/22

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

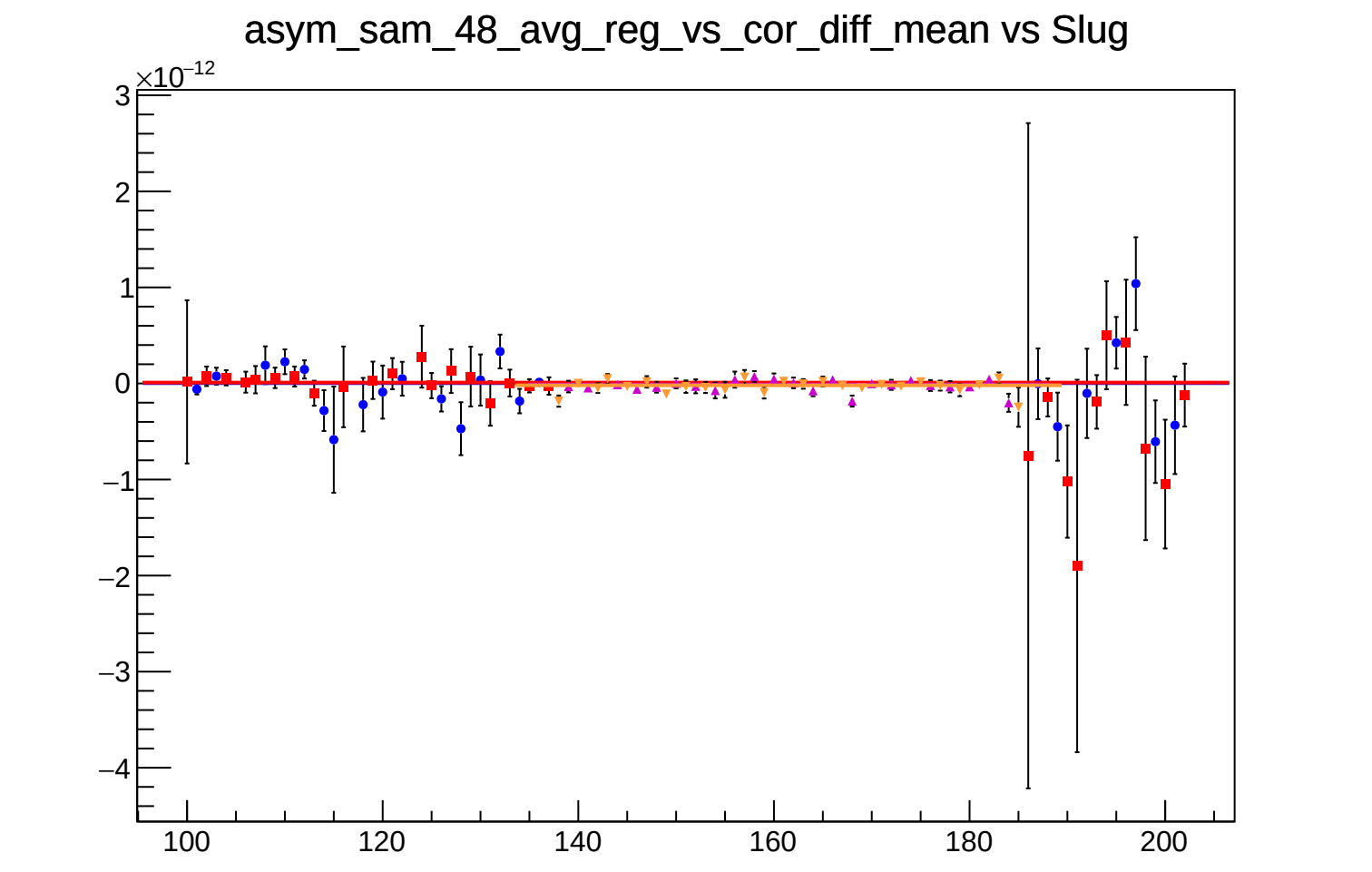
Right Out: 1481.548+/-0.308 χ^2/NDF: 5849889.6/28

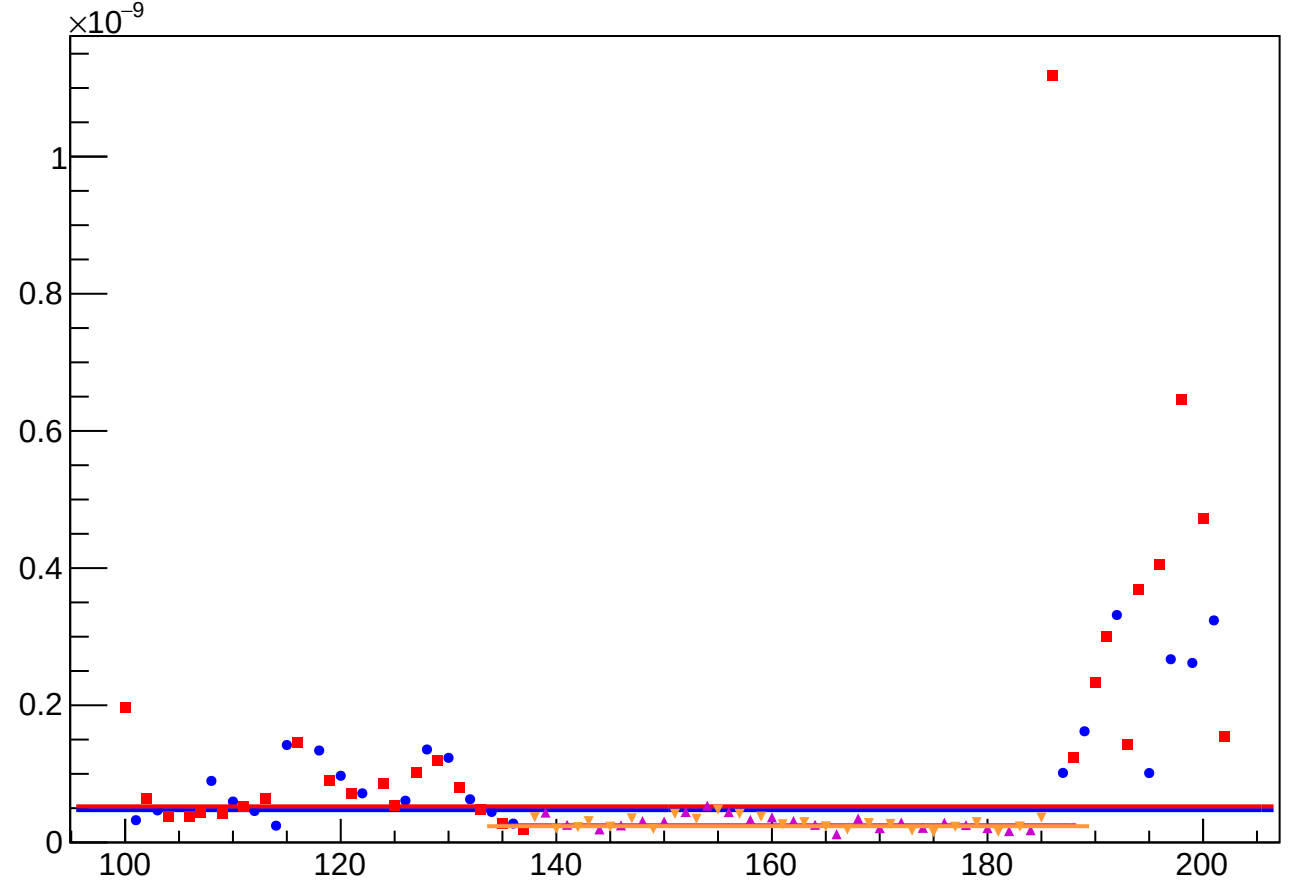
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1194.545+/-0.158 χ^2/NDF: 5939382.2/47

All: 1199.579+/-0.112 χ^2/NDF: 13609866.0/9

- sign 1204.639+/-0.159 χ^2/NDF: 7668451.8/51


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 33.7/22
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 14.5/28
Left In: -0.000+/-0.000 χ²/NDF:27.1/22
+ sign -0.000+/-0.000 χ²/NDF: 60.8/47
All: -0.000+/-0.000 χ²/NDF: 103.1/99
- sign -0.000+/-0.000 χ²/NDF: 42.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 3991666.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

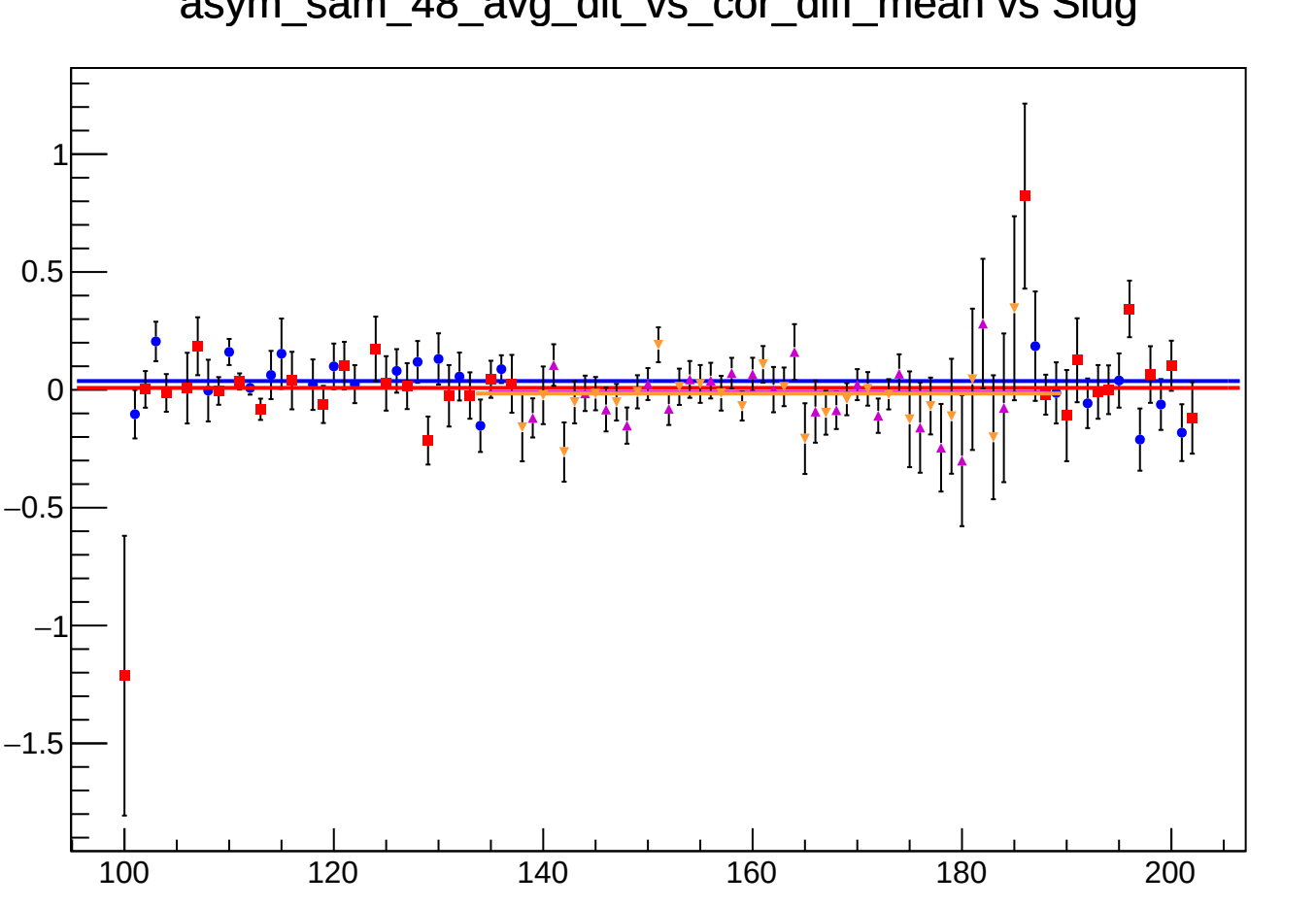
Right Out: 0.000+/-0.000 χ^2/NDF: 5068909.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6833625.4/47

All: 0.000+/-0.000 χ^2/NDF: 15194732.8/99

- sign 0.000+/-0.000 χ^2/NDF: 8313692.0/51



Right In: 0.037+/-0.017 χ^2/NDF: 27.7/22

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.008+/-0.016 χ^2/NDF: 34.3/28

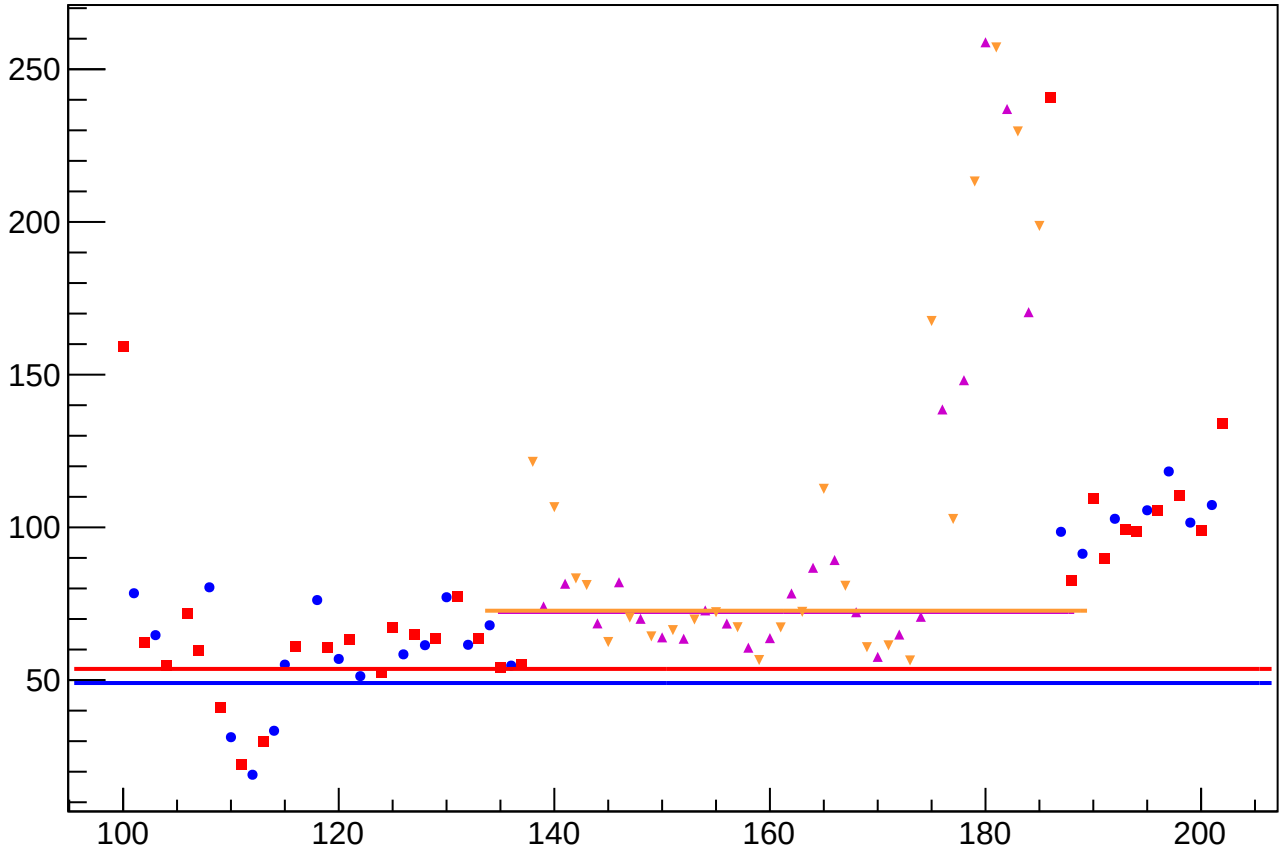
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.013+/-0.012 χ^2/NDF: 54.0/47

All: 0.006+/-0.009 χ^2/NDF: 112.9/99

- sign -0.000+/-0.012 χ^2/NDF: 58.3/51

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.039+/-0.012 χ^2/NDF: 6125229.1/22

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

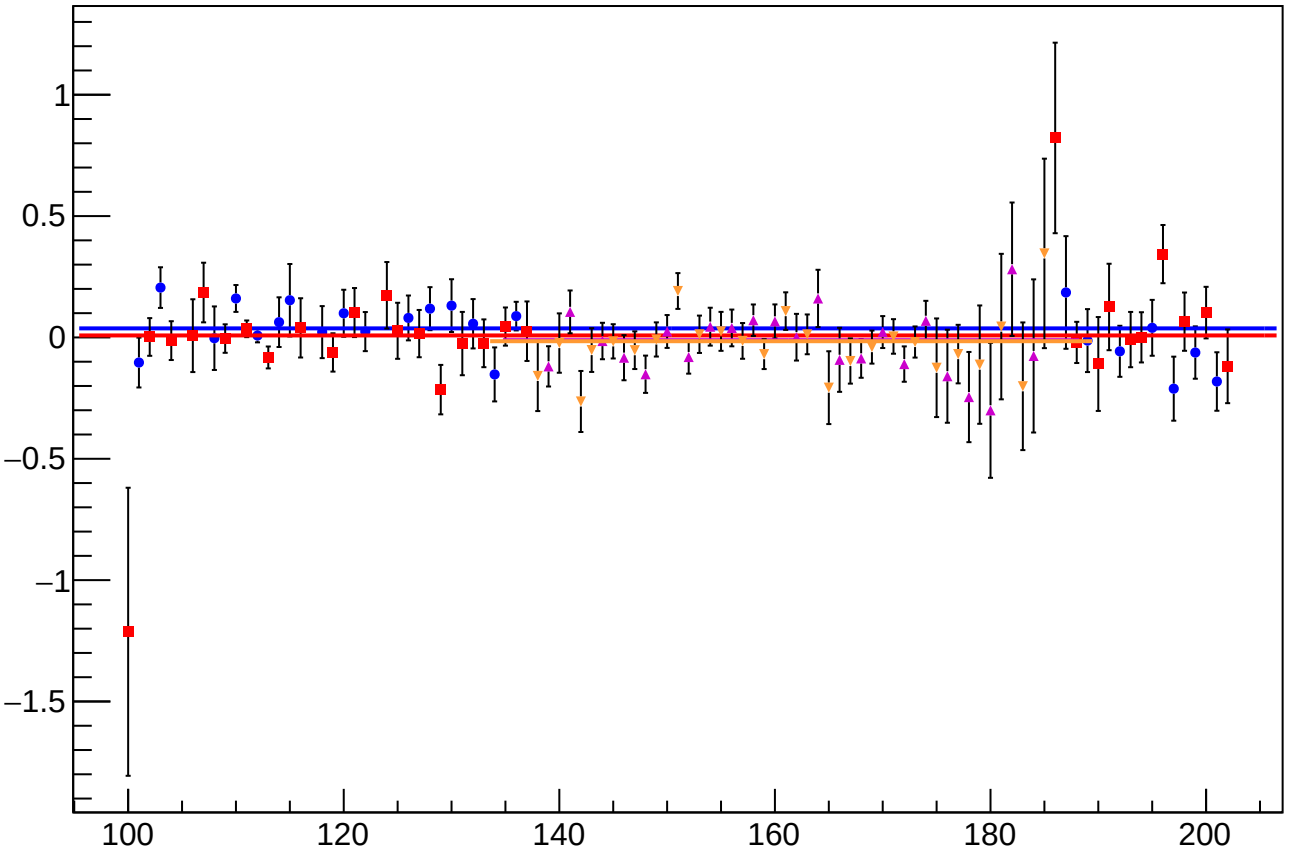
Right Out: 53.657+/-0.012 χ^2/NDF: 6032117.0/28

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 59.957+/-0.009 χ^2/NDF: 11959043.7/47

All: 60.949+/-0.006 χ^2/NDF: 21967054.3/99

- sign 61.935+/-0.009 χ^2/NDF: 9981629.9/51



Right In: 0.037+/-0.017 χ^2/NDF: 27.7/22

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

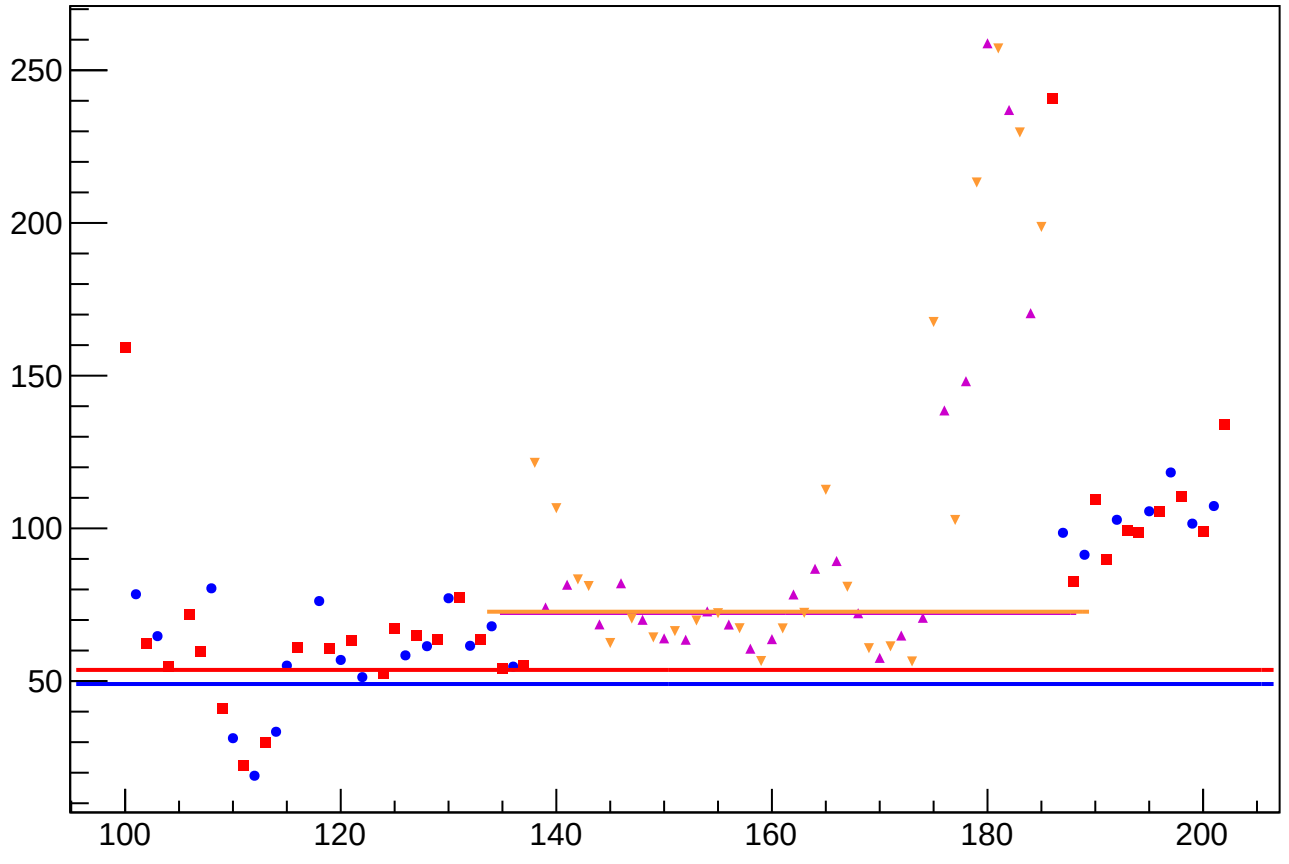
Right Out: 0.008+/-0.016 χ^2/NDF: 34.3/28

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.013+/-0.012 χ^2/NDF: 54.0/47

All: 0.006+/-0.009 χ^2/NDF: 112.9/99

- sign -0.000+/-0.012 χ^2/NDF: 58.3/51



Right In: 49.039+/-0.012 χ^2/NDF: 6125229.1/22

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

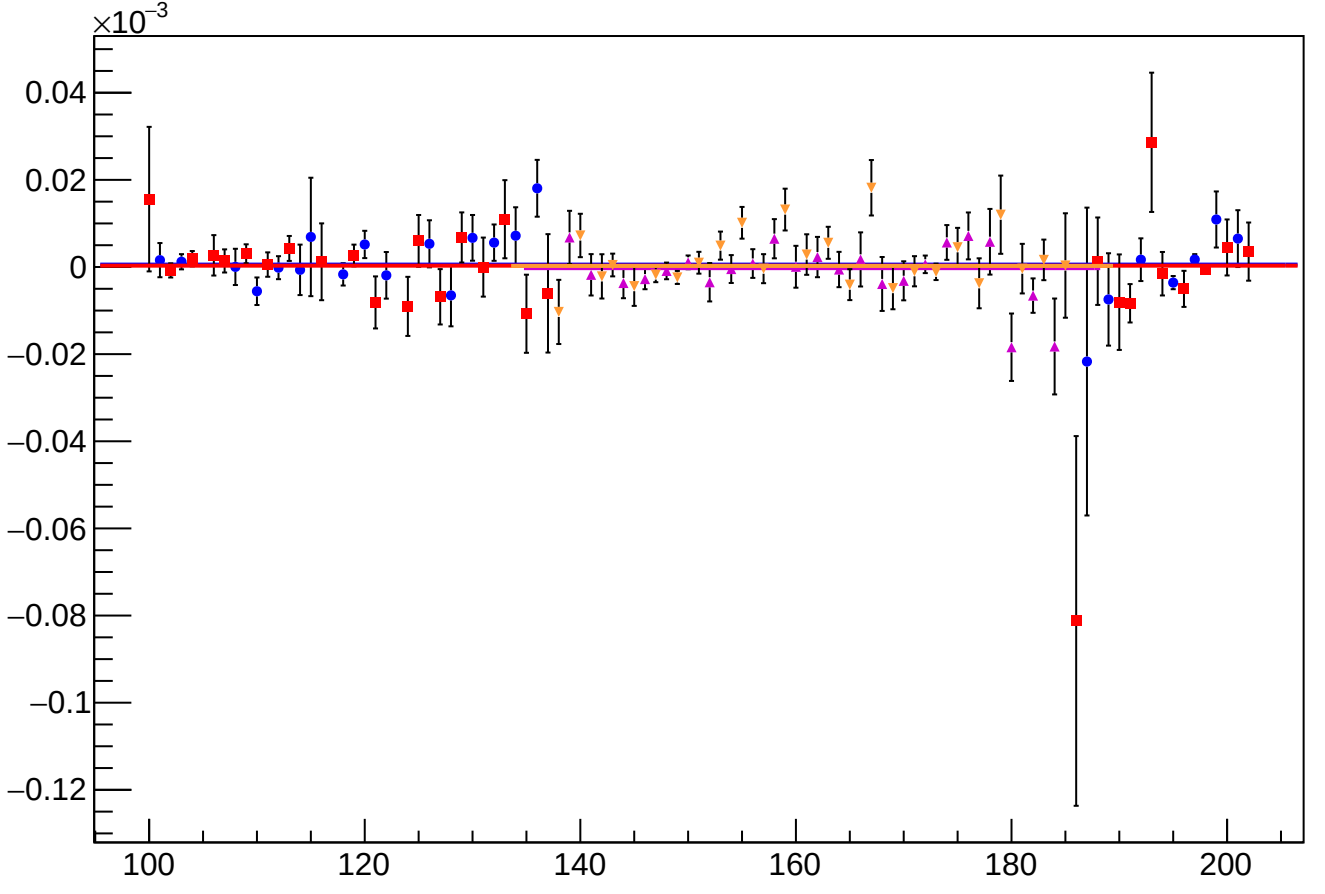
Right Out: 53.657+/-0.012 χ^2/NDF: 6032117.0/28

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 59.957+/-0.009 χ^2/NDF: 11959043.7/47

All: 60.949+/-0.006 χ^2/NDF: 21967054.3/99

- sign 61.935+/-0.009 χ^2/NDF: 9981629.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

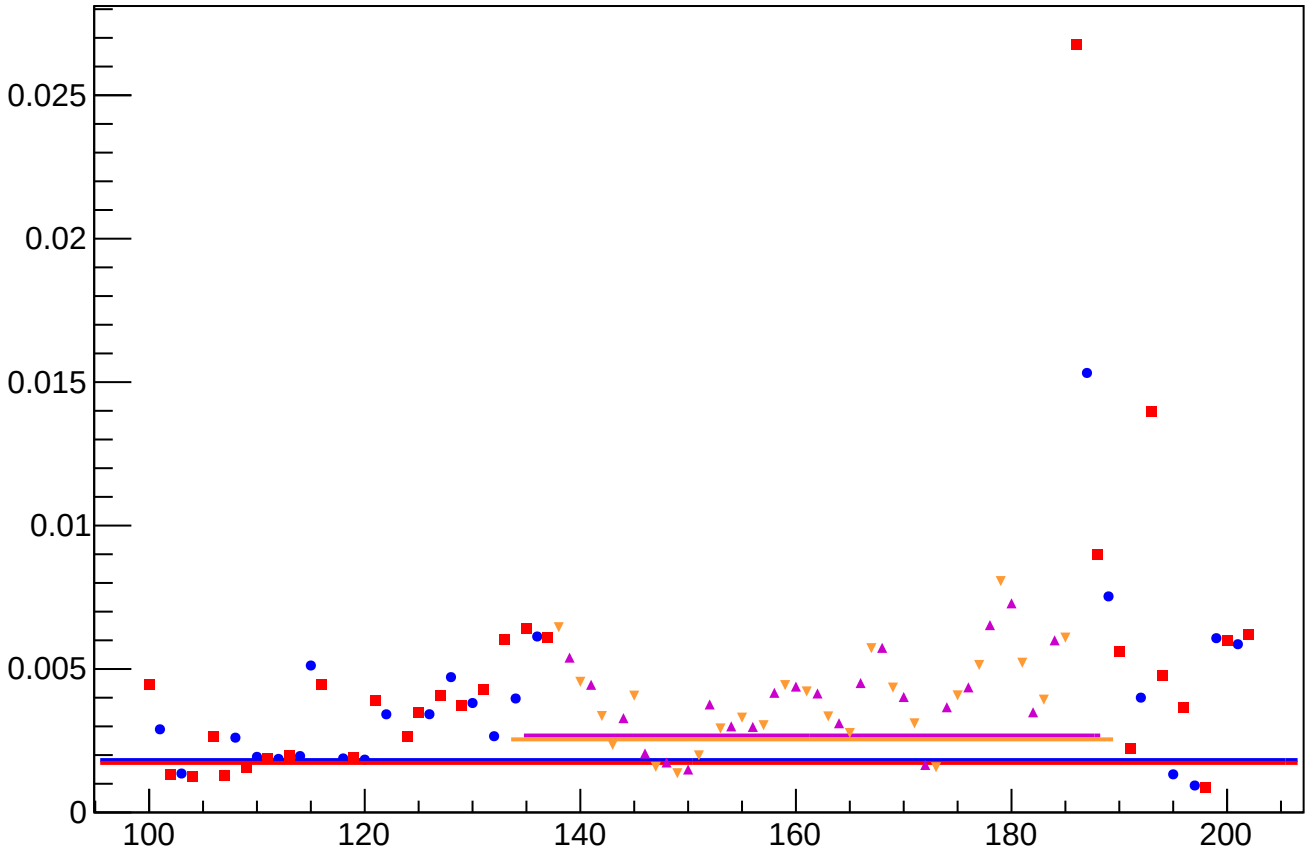
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/28

Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.6/47

All: 0.000+/-0.000 χ^2/NDF: 133.3/99

- sign 0.000+/-0.000 χ^2/NDF: 56.5/51



Right In: 0.002+/-0.000 χ^2/NDF: 6780827.5/22

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

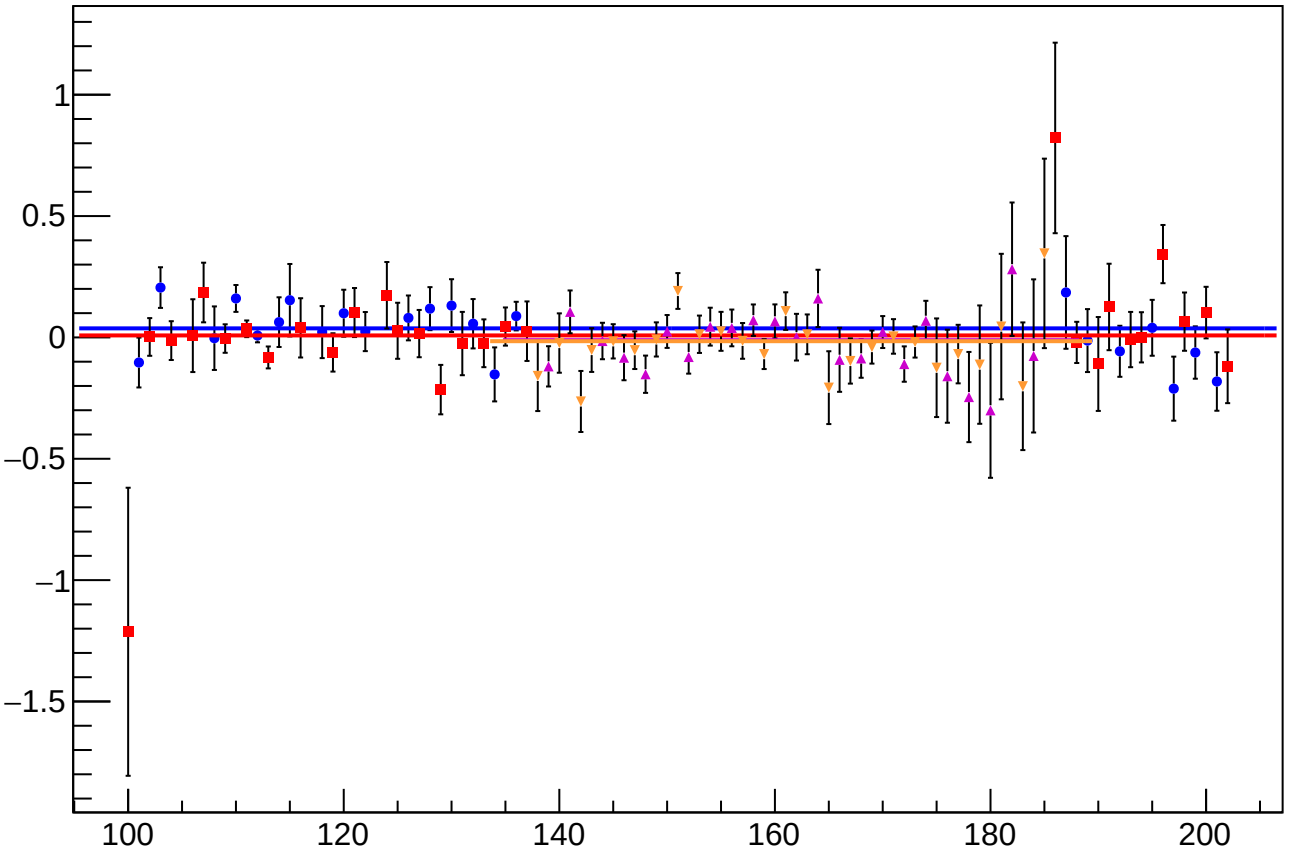
Right Out: 0.002+/-0.000 χ^2/NDF: 10777109.0/28

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 15518242.0/47

All: 0.002+/-0.000 χ^2/NDF: 34977789.3/99

- sign 0.002+/-0.000 χ^2/NDF: 19439656.9/51



Right In: 0.037+/-0.017 χ^2/NDF: 27.7/22

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.008+/-0.016 χ^2/NDF: 34.3/28

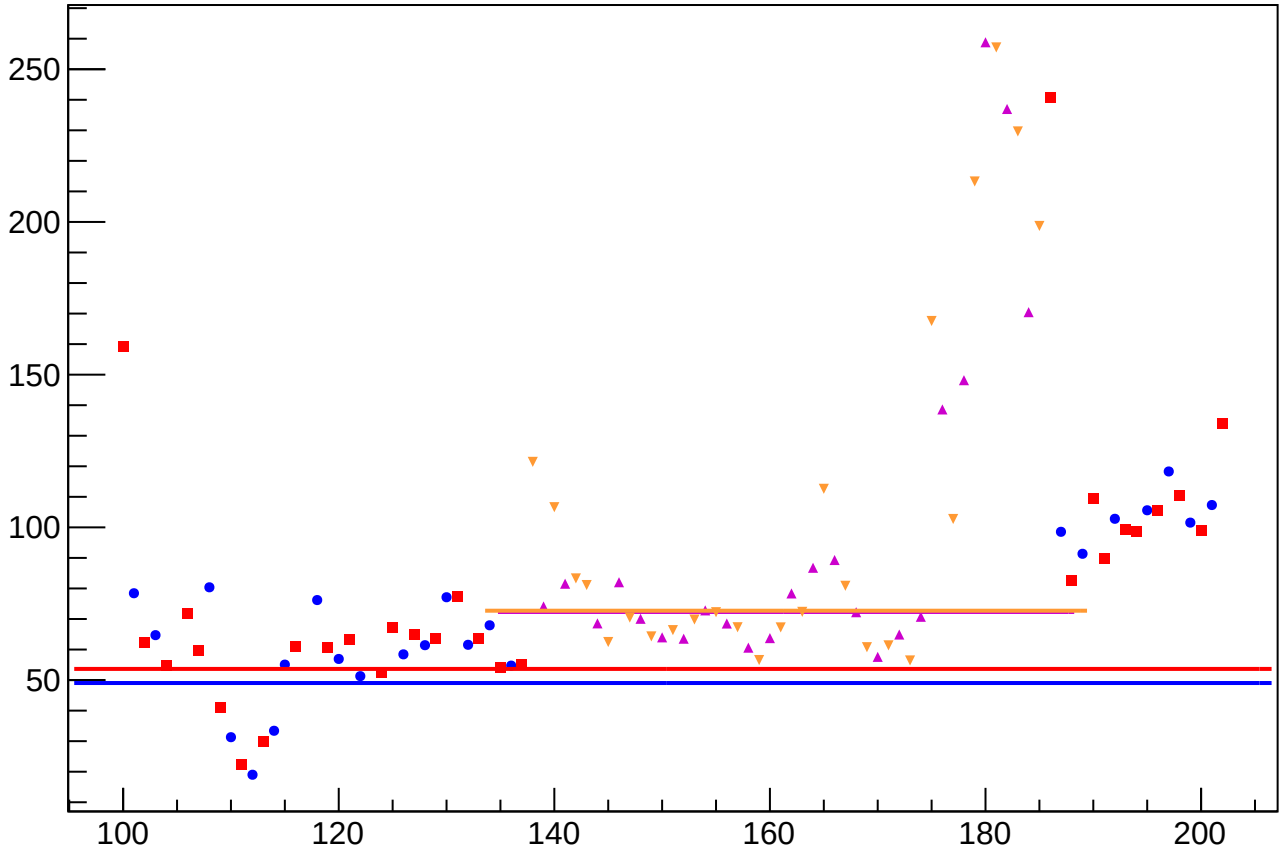
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.013+/-0.012 χ^2/NDF: 54.0/47

All: 0.006+/-0.009 χ^2/NDF: 112.9/99

- sign -0.000+/-0.012 χ^2/NDF: 58.3/51

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.038+/-0.012 χ^2/NDF: 6125442.9/22

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

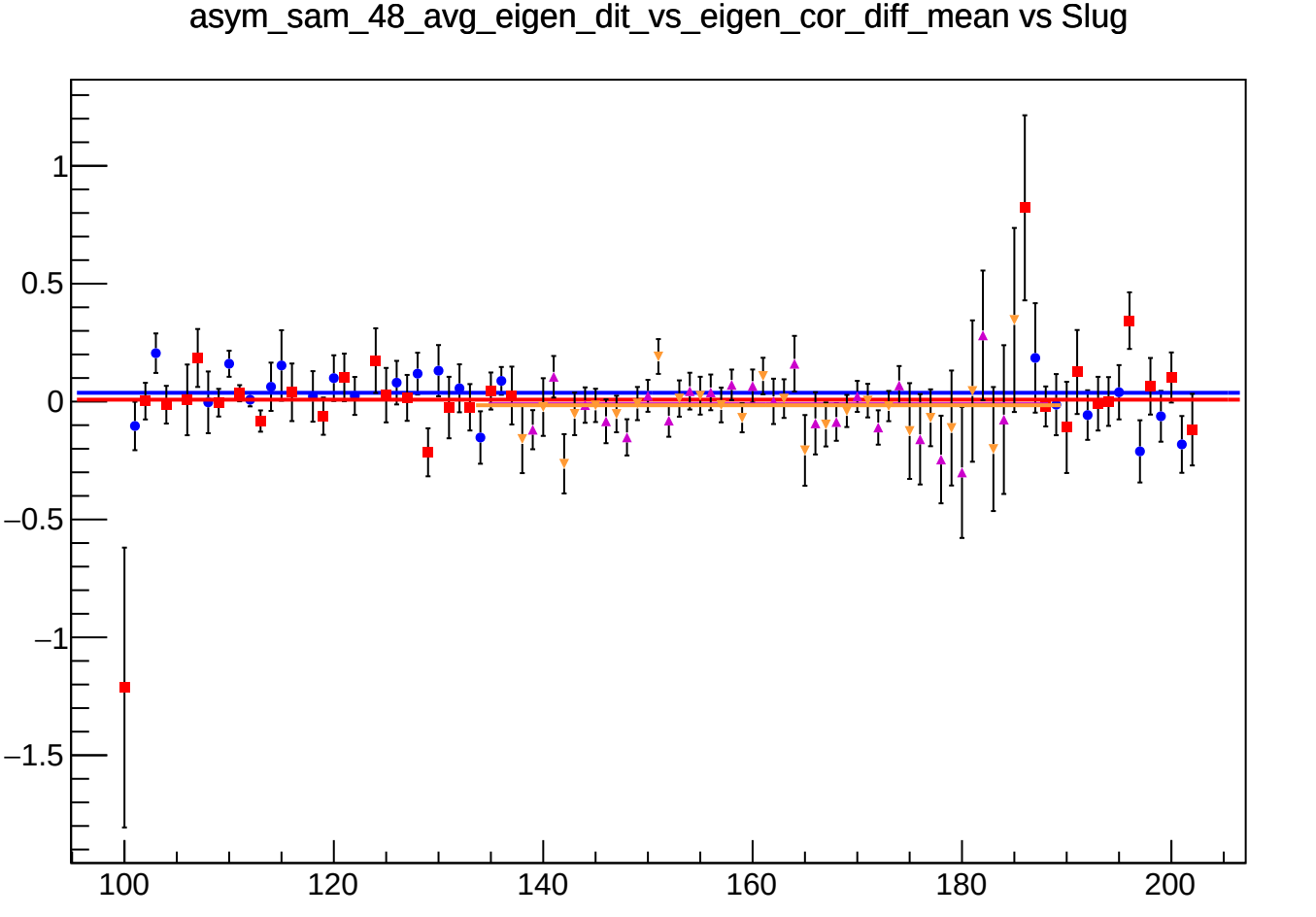
Right Out: 53.656+/-0.012 χ^2/NDF: 6032401.8/28

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

\+ sign 59.956+/-0.009 χ^2/NDF: 11959466.1/47

All: 60.948+/-0.006 χ^2/NDF: 21967892.1/99

\- sign 61.935+/-0.009 χ^2/NDF: 9982042.9/51



Right In: 0.037+/-0.017 χ^2/NDF: 27.7/22

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

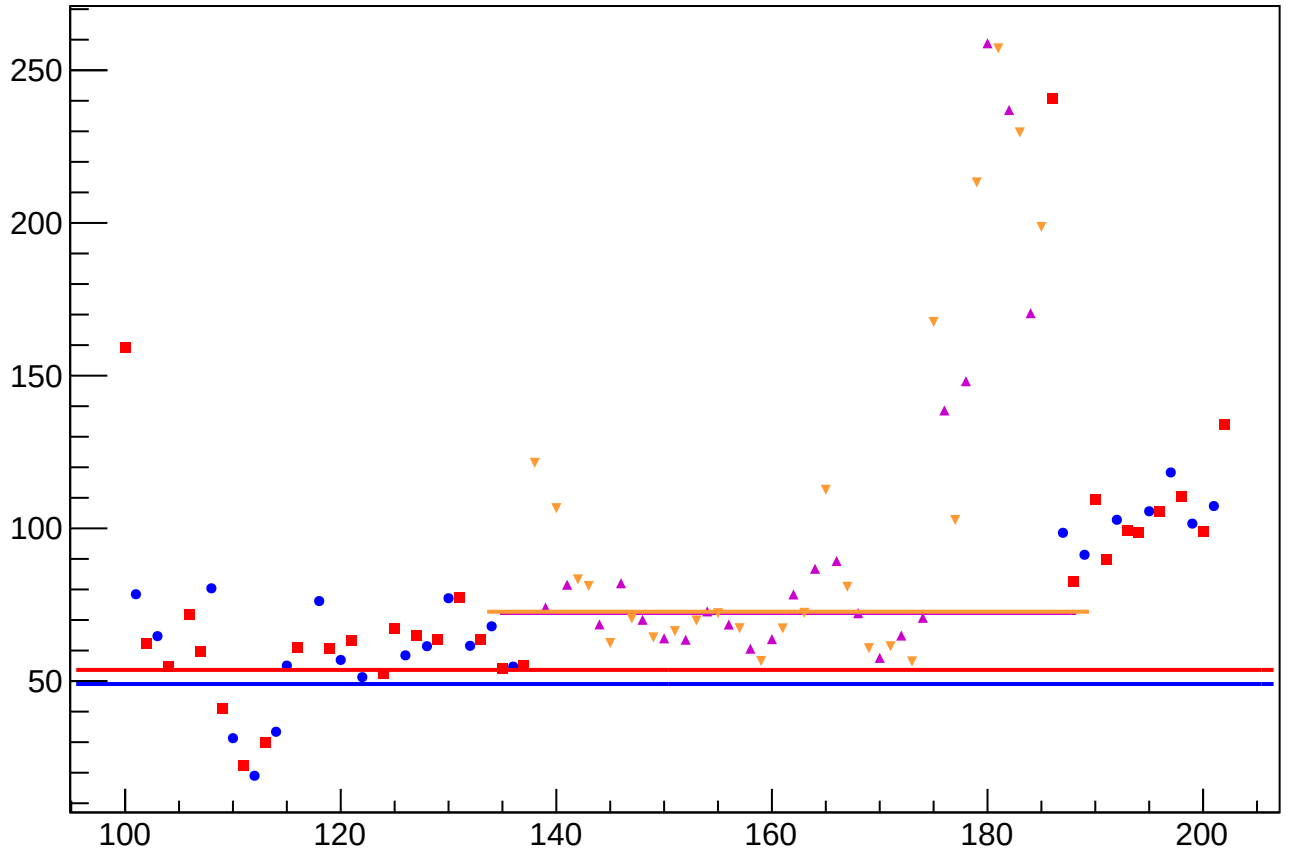
Right Out: 0.008+/-0.016 χ^2/NDF: 34.3/28

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

\+ sign 0.013+/-0.012 χ^2/NDF: 54.0/47

All: 0.006+/-0.009 χ^2/NDF: 112.9/99

\- sign -0.000+/-0.012 χ^2/NDF: 58.3/51



Right In: 49.038+/-0.012 χ^2/NDF: 6125442.9/22

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

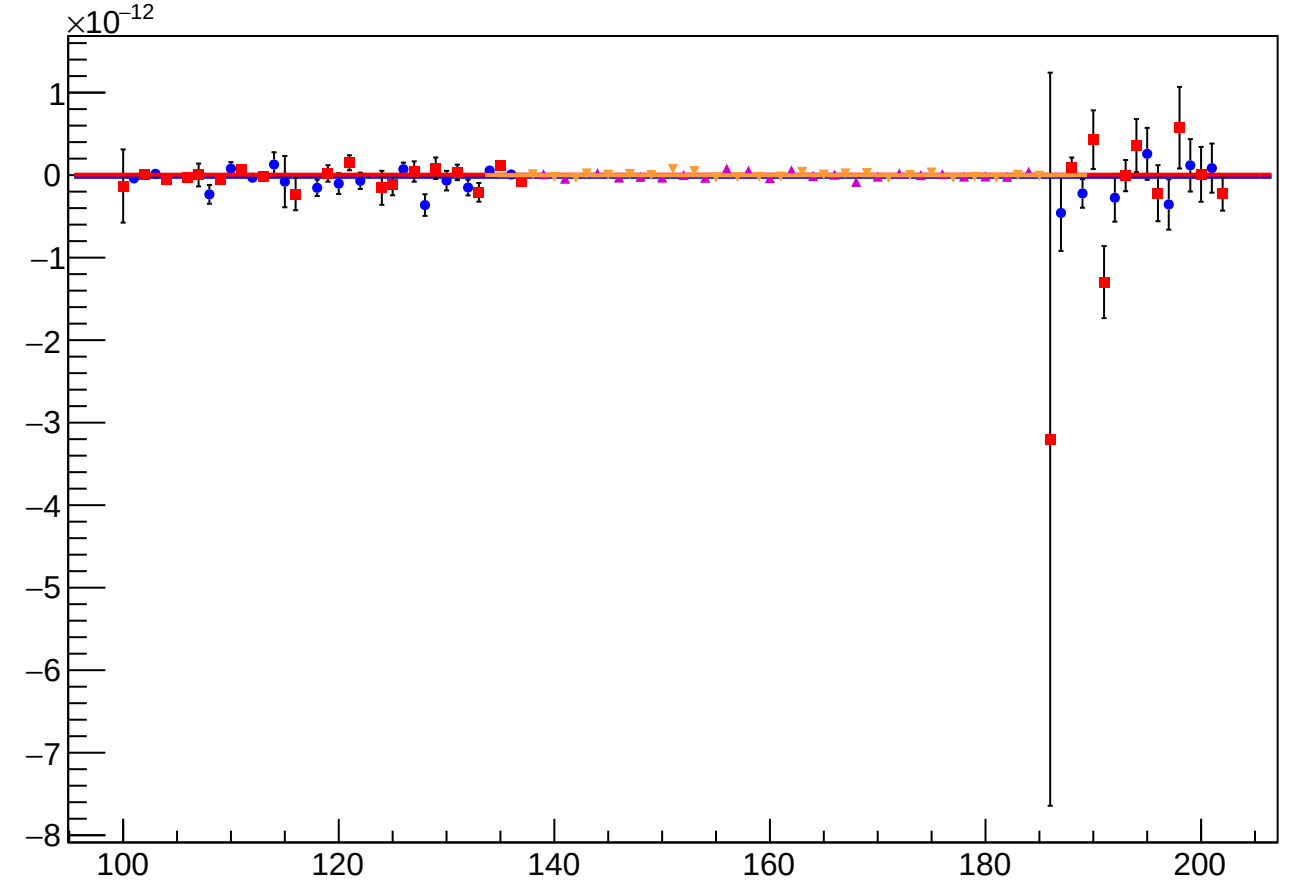
Right Out: 53.656+/-0.012 χ^2/NDF: 6032401.8/28

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

\+ sign 59.956+/-0.009 χ^2/NDF: 11959466.1/47

All: 60.948+/-0.006 χ^2/NDF: 21967892.1/99

\- sign 61.935+/-0.009 χ^2/NDF: 9982042.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

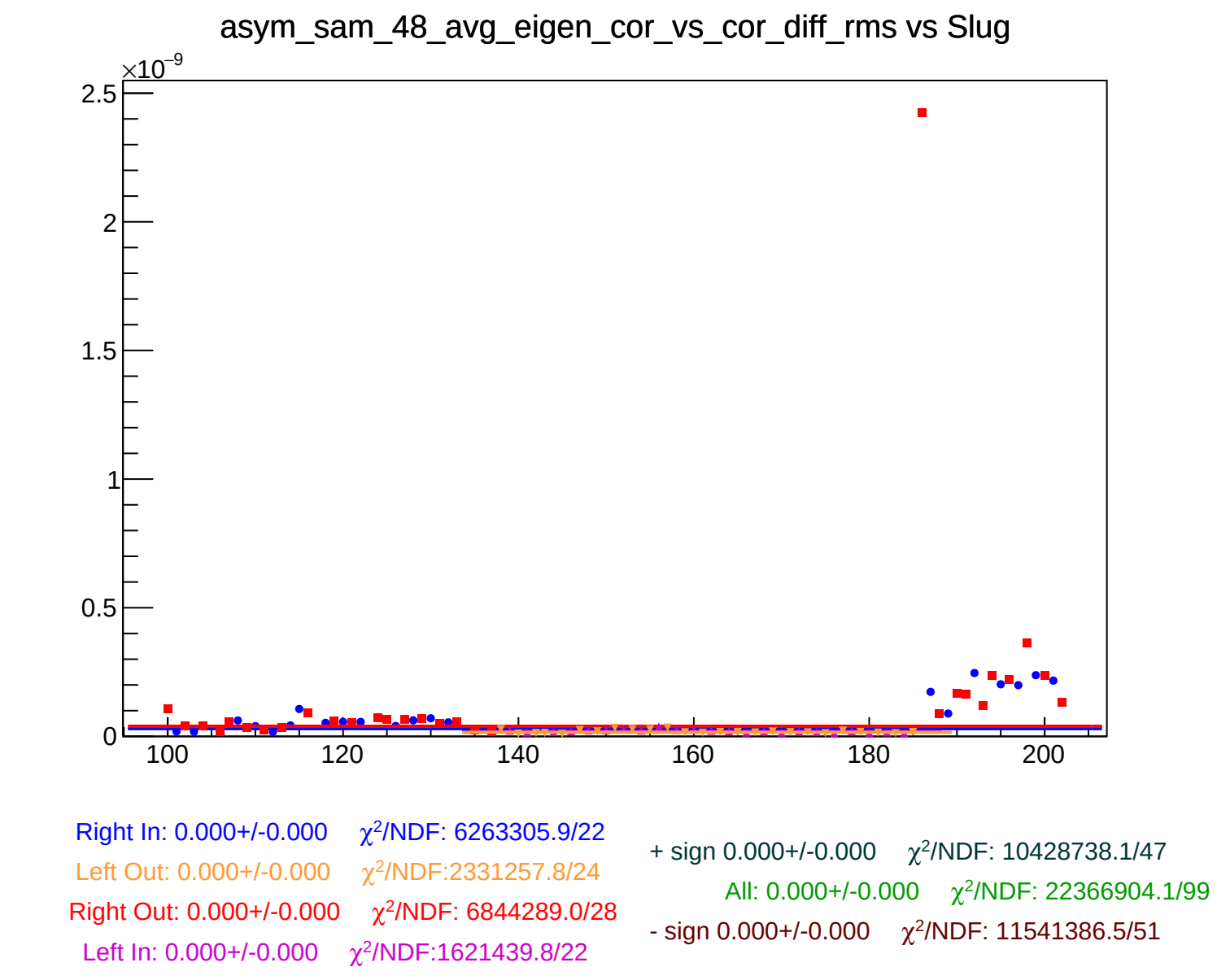
Right Out: 0.000+/-0.000 χ^2/NDF: 38.9/28

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

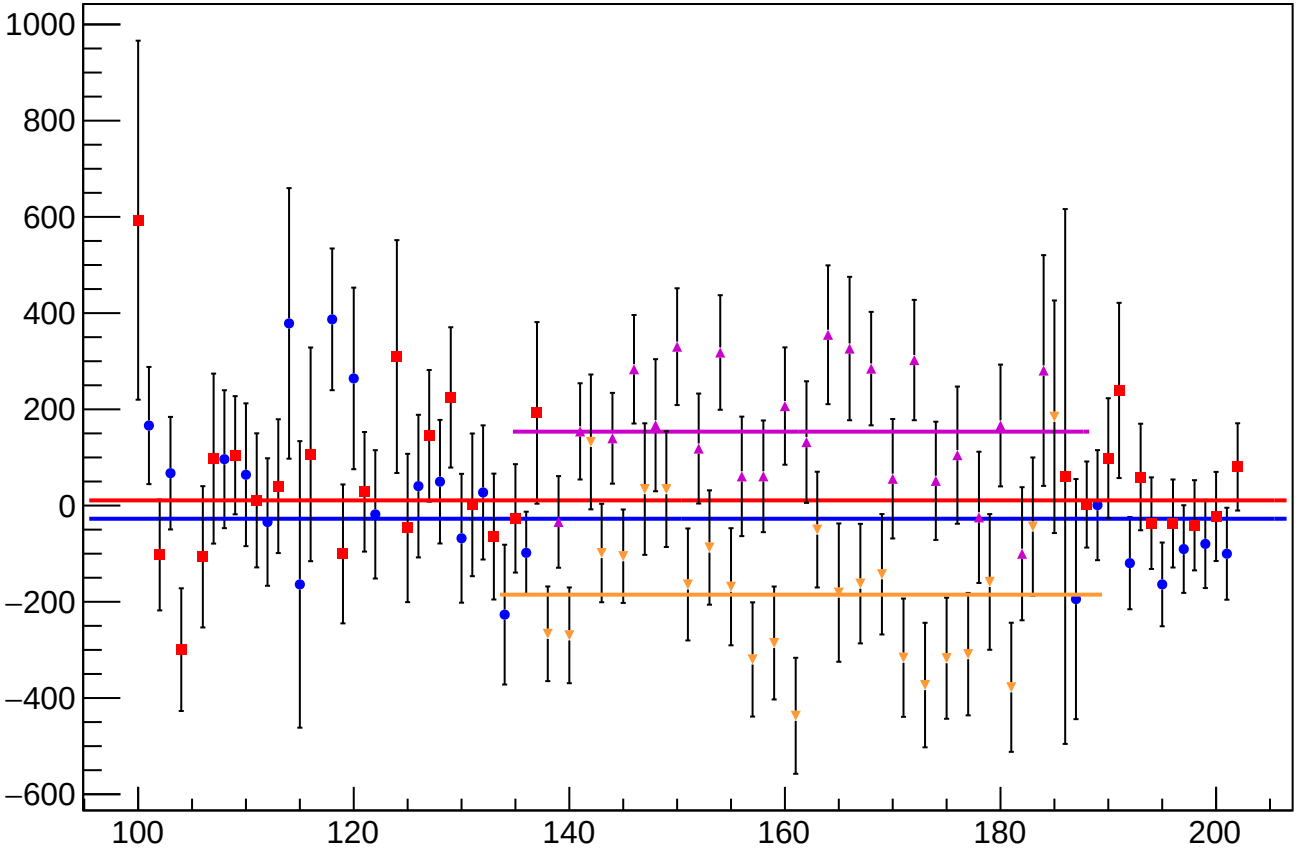
+ sign -0.000+/-0.000 χ^2/NDF: 57.9/47

All: -0.000+/-0.000 χ^2/NDF: 135.8/99

- sign -0.000+/-0.000 χ^2/NDF: 77.7/51


asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6263305.9/22
Left Out: 0.000+/-0.000 χ²/NDF:2331257.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6844289.0/28
Left In: 0.000+/-0.000 χ²/NDF:1621439.8/22
+ sign 0.000+/-0.000 χ²/NDF: 10428738.1/47
All: 0.000+/-0.000 χ²/NDF: 22366904.1/99
- sign 0.000+/-0.000 χ²/NDF: 11541386.5/51

reg_asym_sam_15_dd_mean vs Slug



Right In: -27.384+/-25.601 χ^2/NDF: 25.6/22

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 10.781+/-23.692 χ^2/NDF: 21.6/28

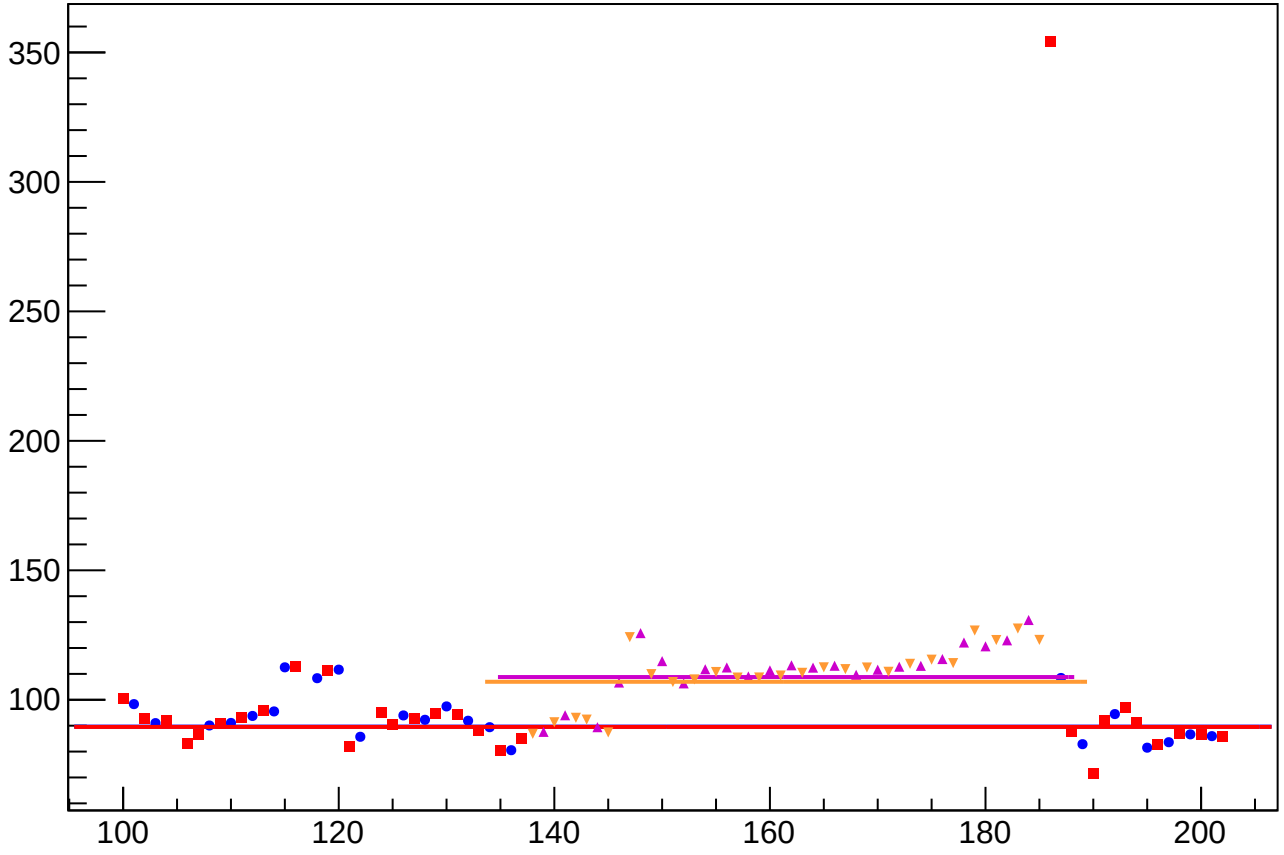
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -109.882+/-17.682 χ^2/NDF: 78.5/47

All: -14.842+/-12.391 χ^2/NDF: 197.2/99

- sign 76.855+/-17.369 χ^2/NDF: 61.9/51

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.639+/-0.018 χ^2/NDF: 173804.1/22

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.518+/-0.017 χ^2/NDF: 635281.2/28

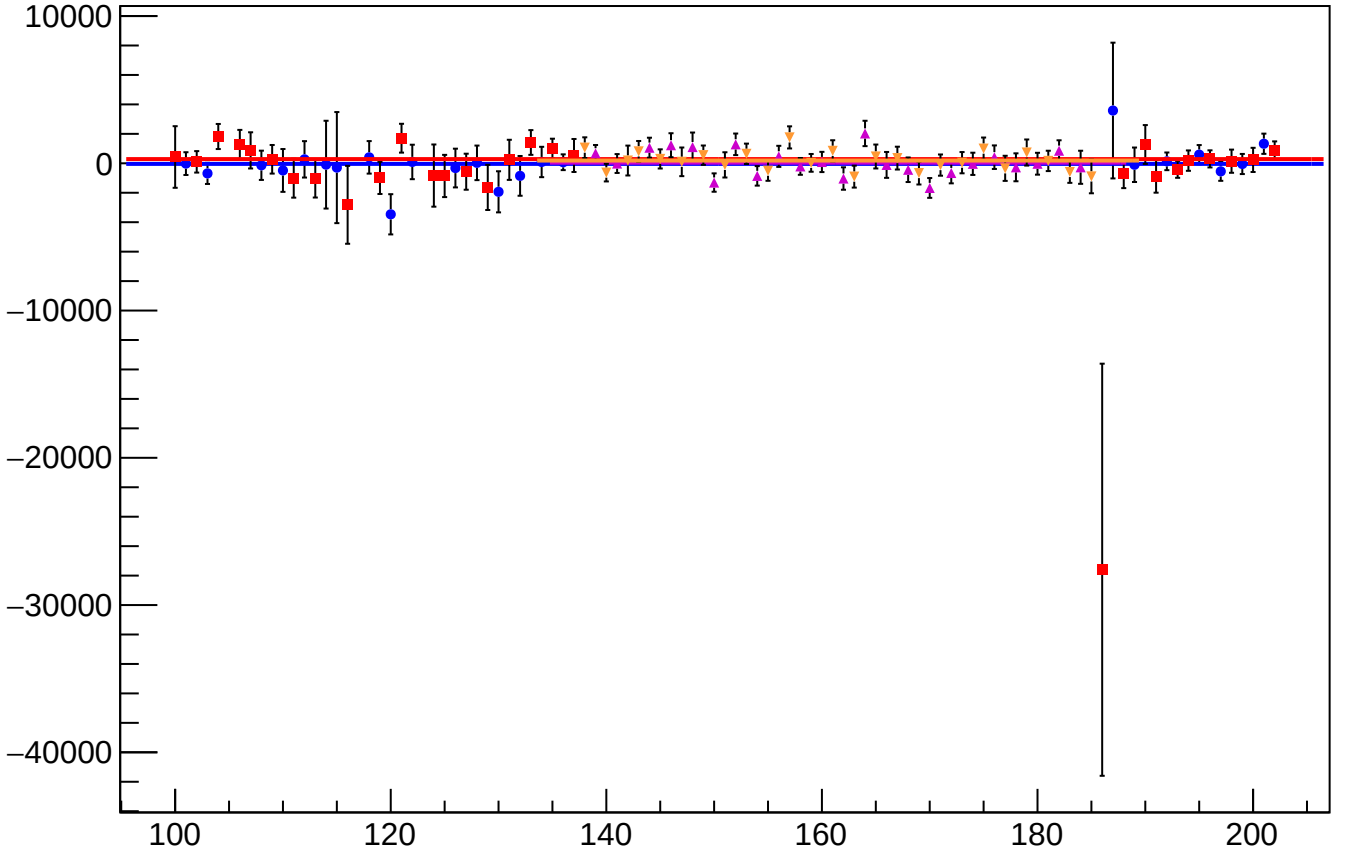
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 98.693+/-0.013 χ^2/NDF: 1116524.4/47

All: 98.558+/-0.009 χ^2/NDF: 2721985.1/99

- sign 98.428+/-0.012 χ^2/NDF: 1605231.7/51

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -40.248+/-190.918 χ^2/NDF: 16.0/22

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 285.981+/-175.773 χ^2/NDF: 26.4/28

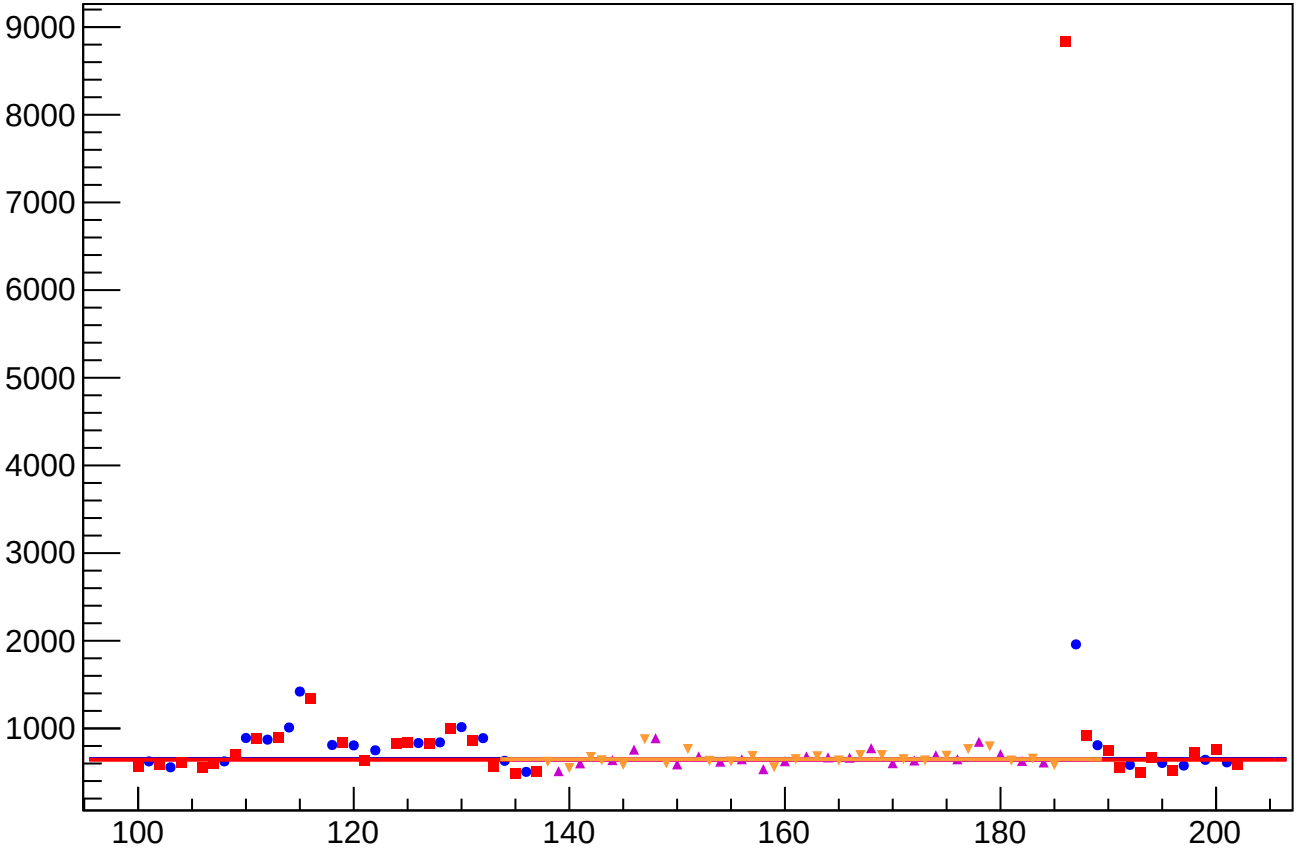
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 100.771+/-117.373 χ^2/NDF: 35.9/47

All: 124.434+/-82.143 χ^2/NDF: 97.3/99

- sign 147.148+/-114.999 χ^2/NDF: 61.3/51

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 651.705+/-0.135 χ^2/NDF: 1056297.4/22

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.069+/-0.124 χ^2/NDF: 1966412.7/28

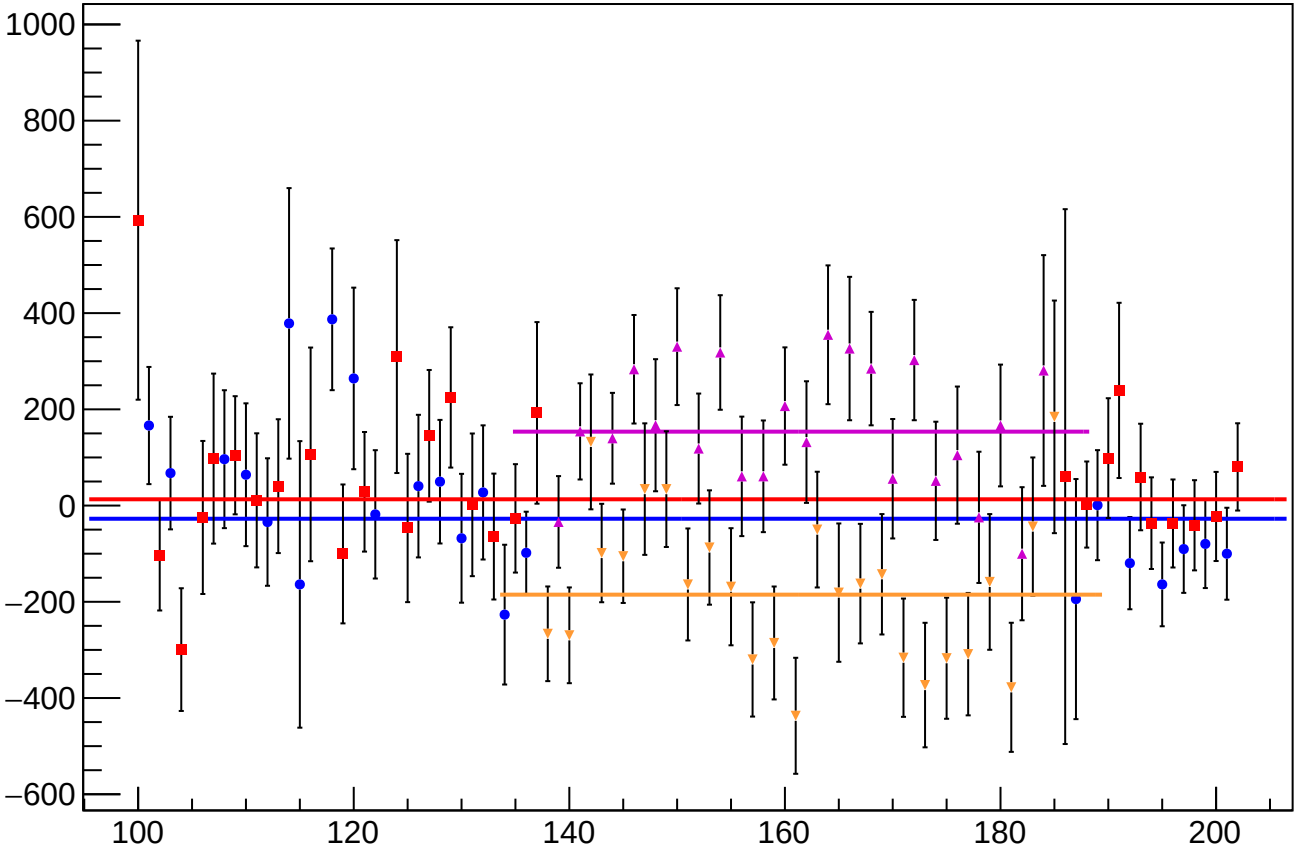
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 650.140+/-0.083 χ^2/NDF: 1474878.2/47

All: 646.825+/-0.058 χ^2/NDF: 4003574.8/99

- sign 643.643+/-0.081 χ^2/NDF: 2525569.8/51

cor_asym_sam_15_dd_mean vs Slug



Right In: -27.377+/-25.601 χ^2/NDF: 25.6/22

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 13.055+/-23.737 χ^2/NDF: 21.0/28

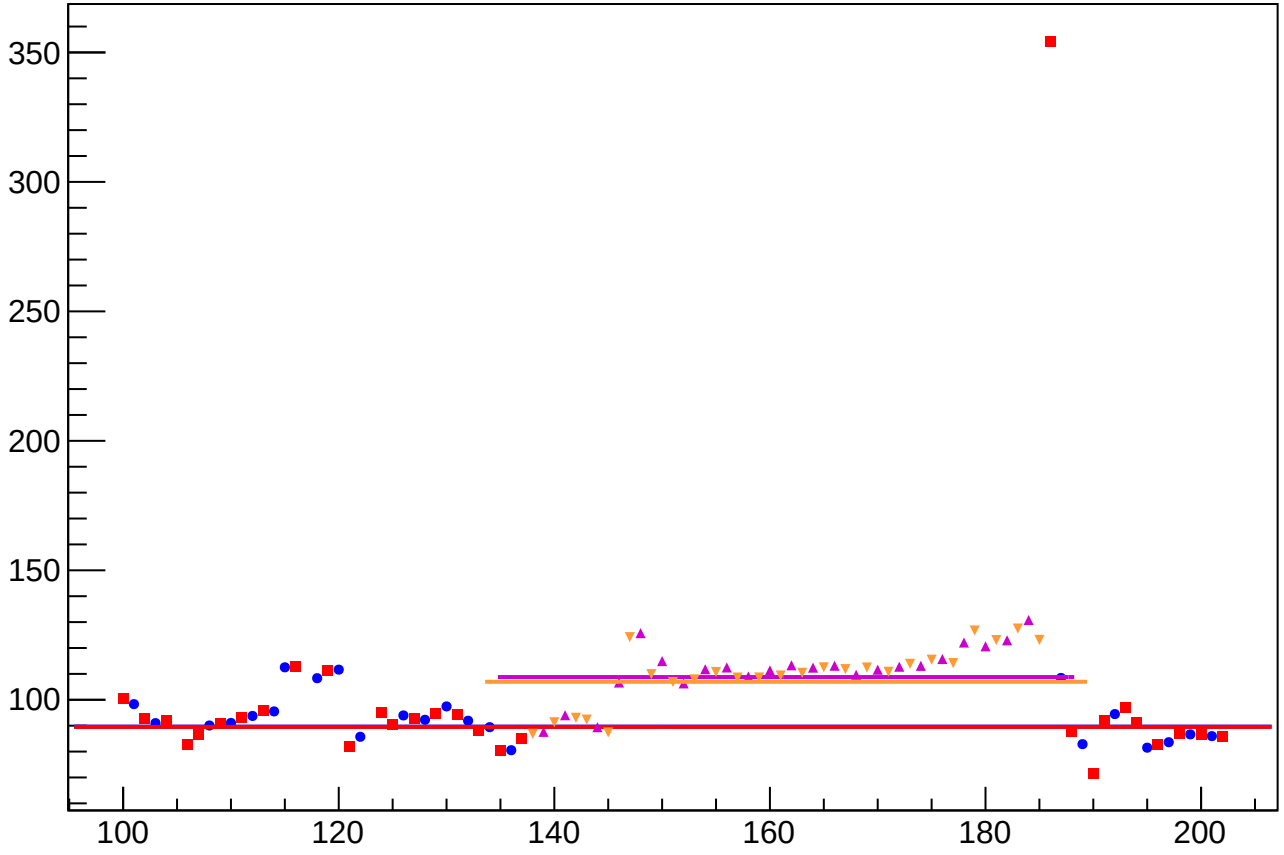
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.880+/-17.682 χ^2/NDF: 78.5/47

All: -14.247+/-12.397 χ^2/NDF: 196.8/99

- sign 78.214+/-17.387 χ^2/NDF: 60.8/51

cor_asym_sam_15_dd_rms vs Slug



Right In: 89.639+/-0.018 χ^2/NDF: 173804.1/22

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.531+/-0.017 χ^2/NDF: 635303.5/28

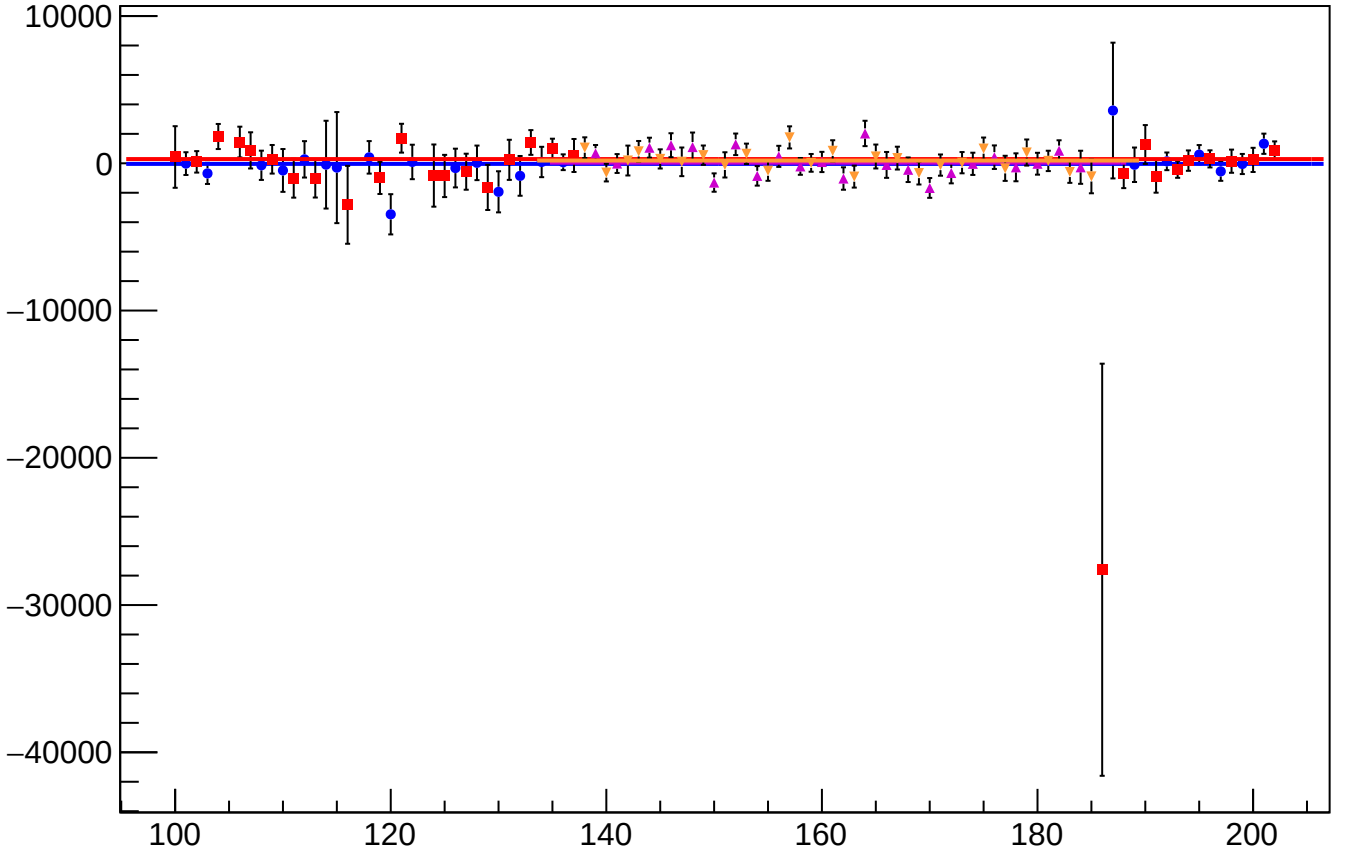
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 98.693+/-0.013 χ^2/NDF: 1116524.4/47

All: 98.571+/-0.009 χ^2/NDF: 2720094.4/99

\- sign 98.453+/-0.012 χ^2/NDF: 1603382.5/51

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -40.245+/-190.918 χ^2/NDF: 16.0/22

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 287.288+/-176.064 χ^2/NDF: 26.7/28

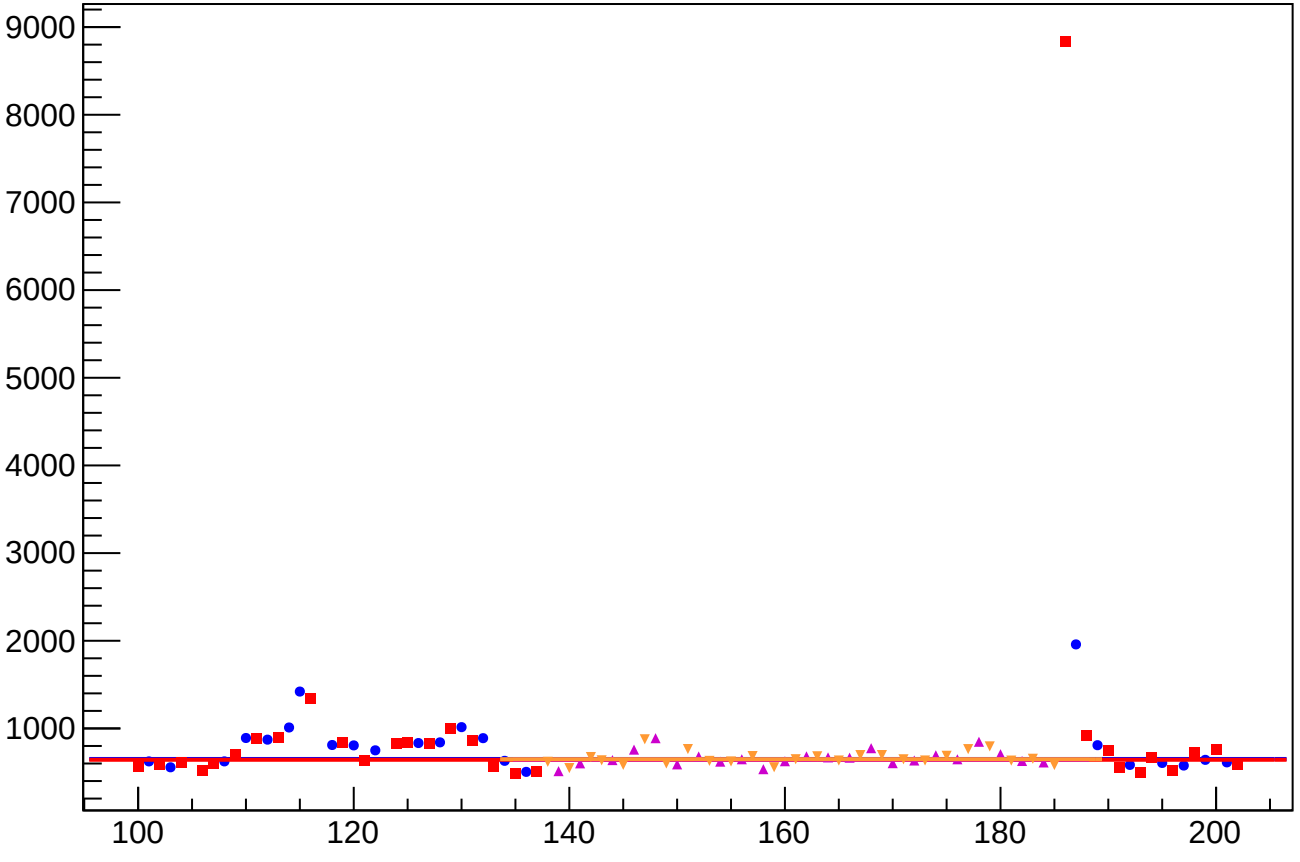
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 100.768+/-117.373 χ^2/NDF: 35.9/47

All: 124.601+/-82.173 χ^2/NDF: 97.5/99

- sign 147.512+/-115.080 χ^2/NDF: 61.5/51

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 651.705+/-0.135 χ^2/NDF: 1056297.7/22

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.582+/-0.124 χ^2/NDF: 1975486.1/28

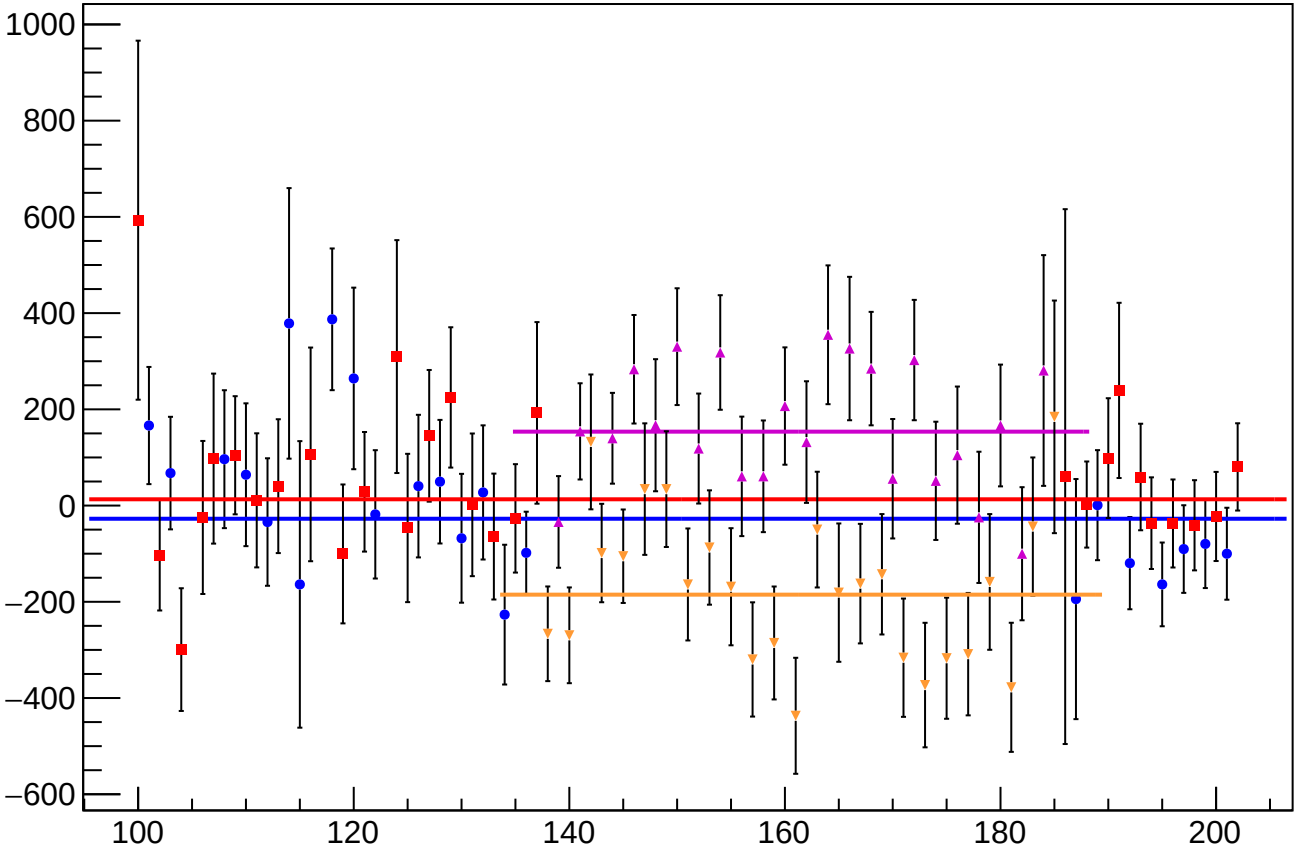
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 650.140+/-0.083 χ^2/NDF: 1474879.1/47

All: 646.722+/-0.058 χ^2/NDF: 4012895.4/99

- sign 643.436+/-0.081 χ^2/NDF: 2534689.2/51

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -27.377+/-25.601 χ^2/NDF: 25.6/22

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 13.055+/-23.737 χ^2/NDF: 21.0/28

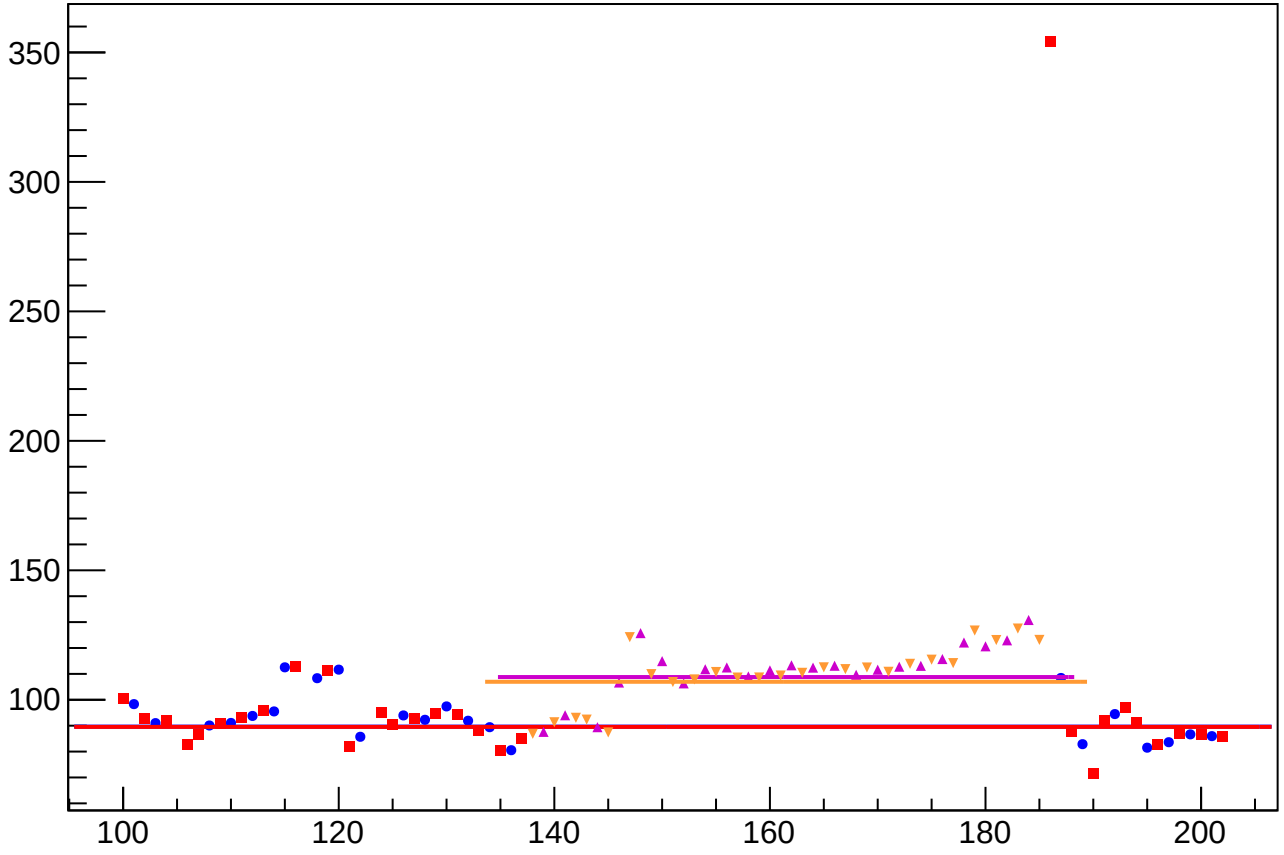
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.880+/-17.682 χ^2/NDF: 78.5/47

All: -14.247+/-12.397 χ^2/NDF: 196.8/99

- sign 78.214+/-17.387 χ^2/NDF: 60.8/51

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 89.639+/-0.018 χ^2/NDF: 173804.1/22

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

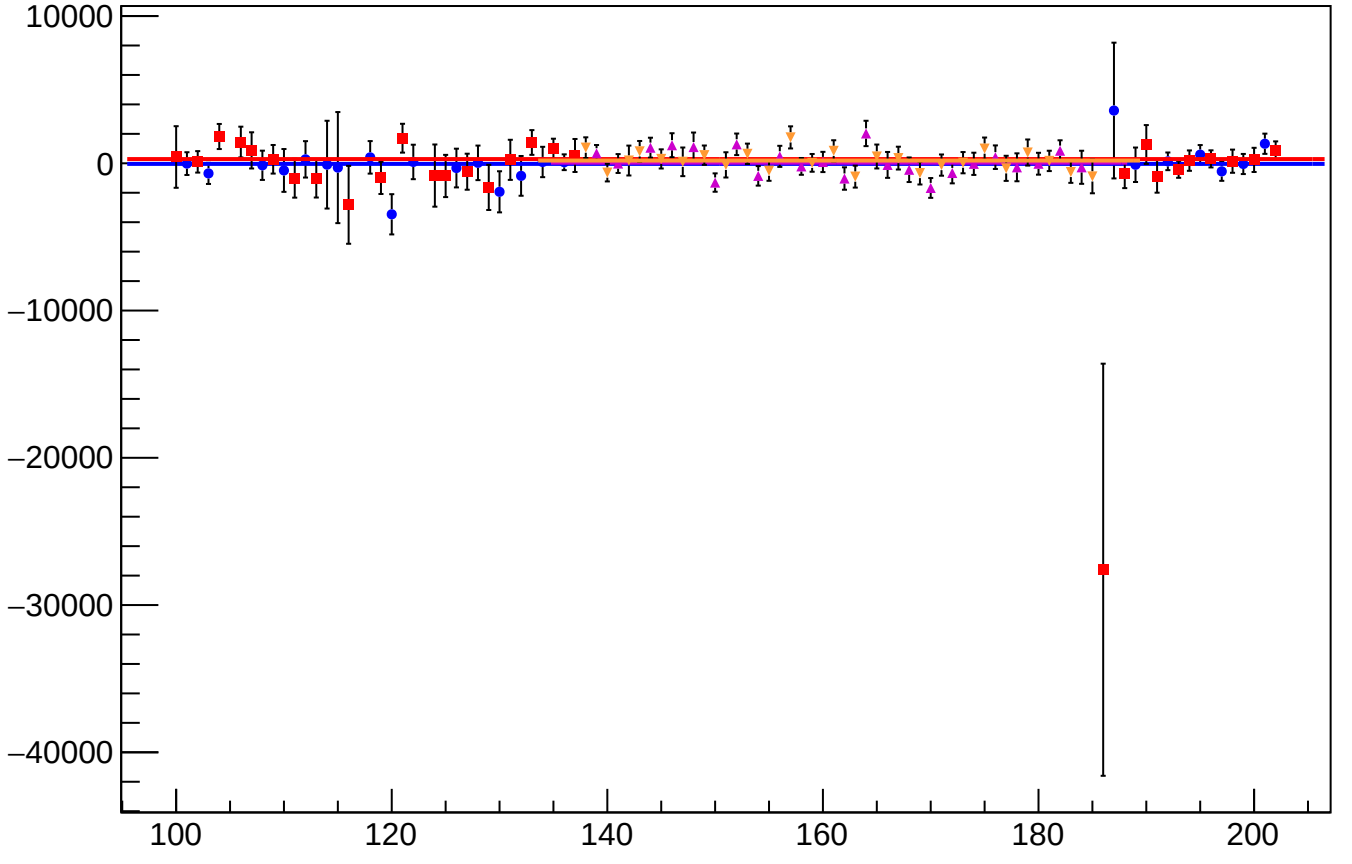
Right Out: 89.531+/-0.017 χ^2/NDF: 635303.5/28

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 98.693+/-0.013 χ^2/NDF: 1116524.4/47

All: 98.571+/-0.009 χ^2/NDF: 2720094.4/99

\- sign 98.453+/-0.012 χ^2/NDF: 1603382.5/51



Right In: -40.245+/-190.918 χ^2/NDF: 16.0/22

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 287.288+/-176.064 χ^2/NDF: 26.7/28

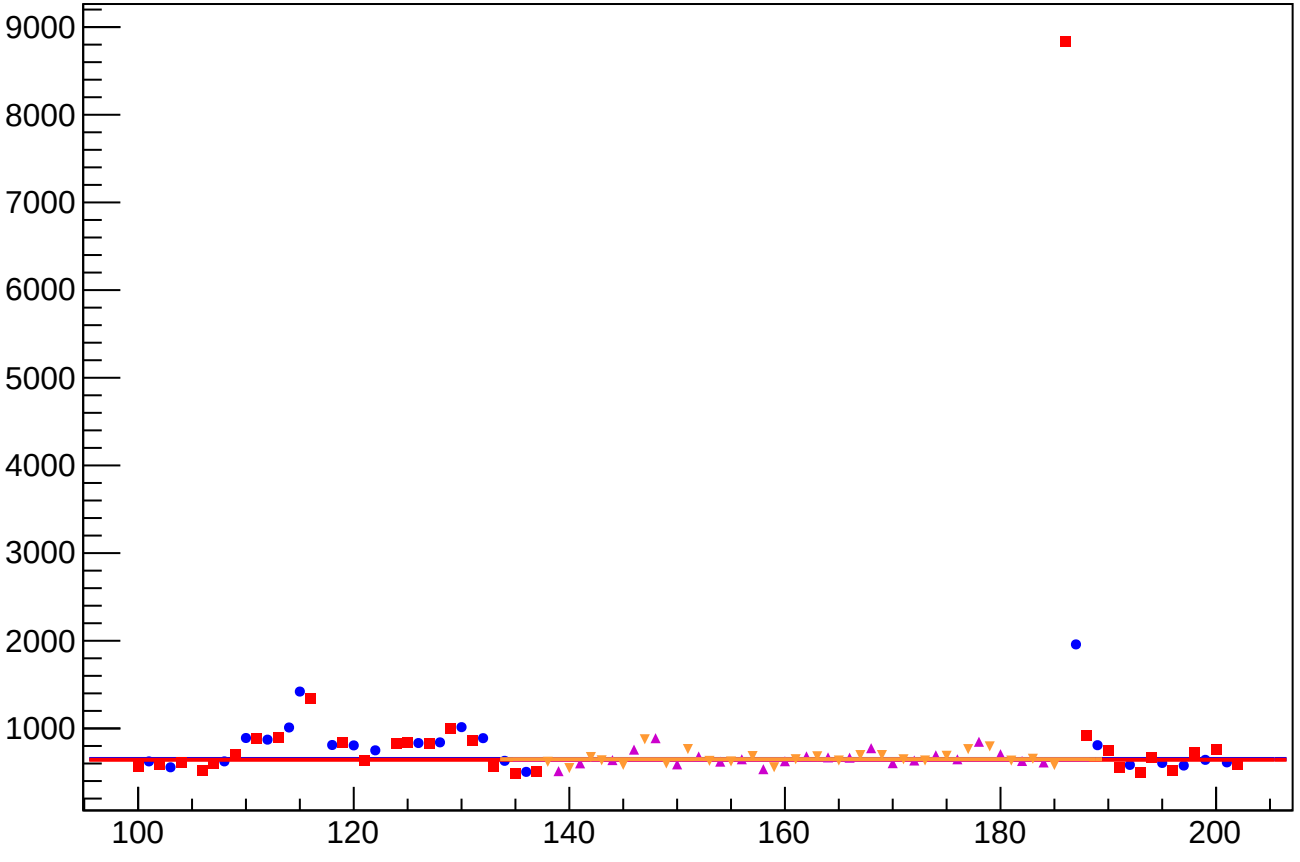
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 100.768+/-117.373 χ^2/NDF: 35.9/47

All: 124.601+/-82.173 χ^2/NDF: 97.5/99

- sign 147.512+/-115.080 χ^2/NDF: 61.5/51

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 651.705+/-0.135 χ^2/NDF: 1056297.7/22

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

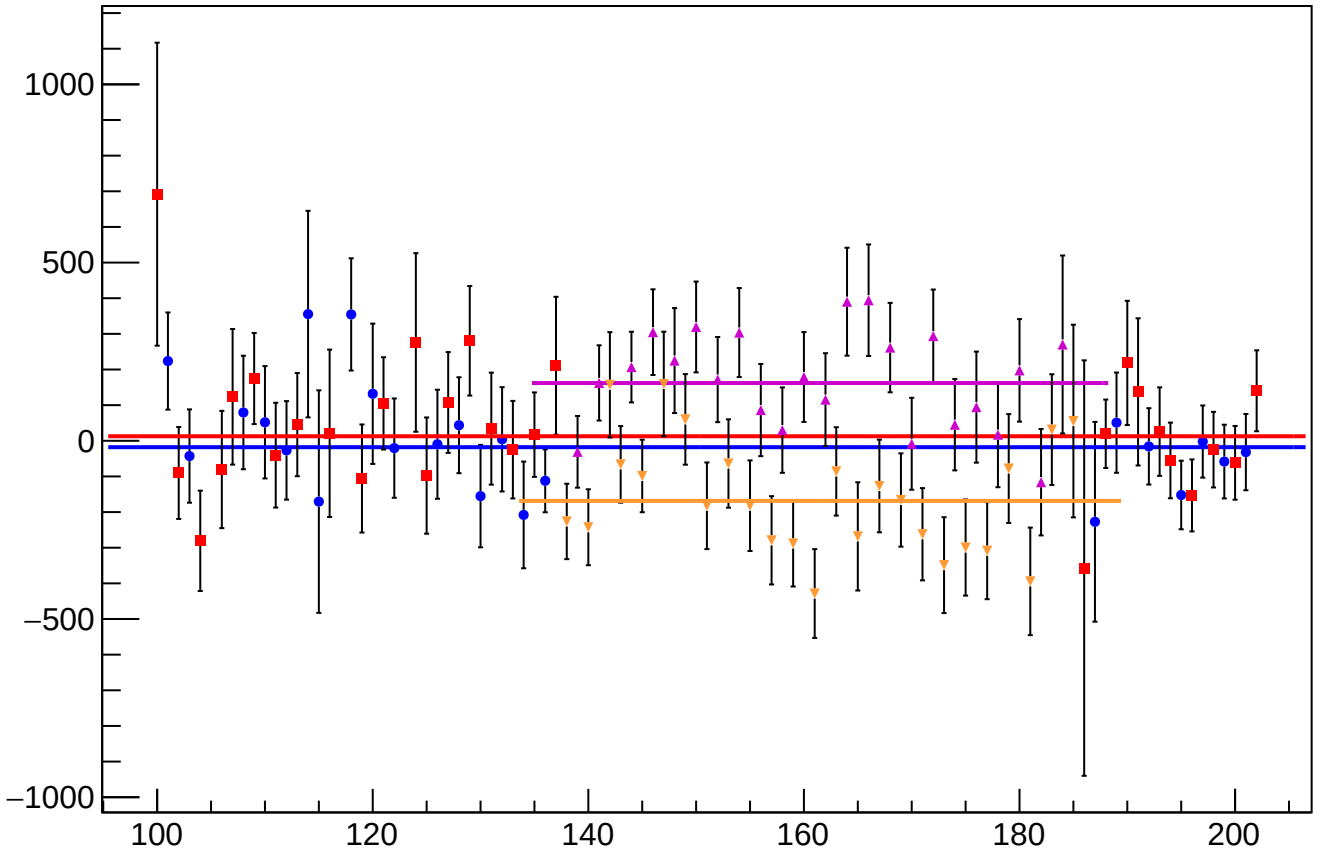
Right Out: 642.582+/-0.124 χ^2/NDF: 1975486.1/28

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 650.140+/-0.083 χ^2/NDF: 1474879.1/47

All: 646.722+/-0.058 χ^2/NDF: 4012895.4/99

- sign 643.436+/-0.081 χ^2/NDF: 2534689.2/51



Right In: -17.944+/-27.871 χ^2/NDF: 18.7/22

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 12.720+/-26.045 χ^2/NDF: 24.5/28

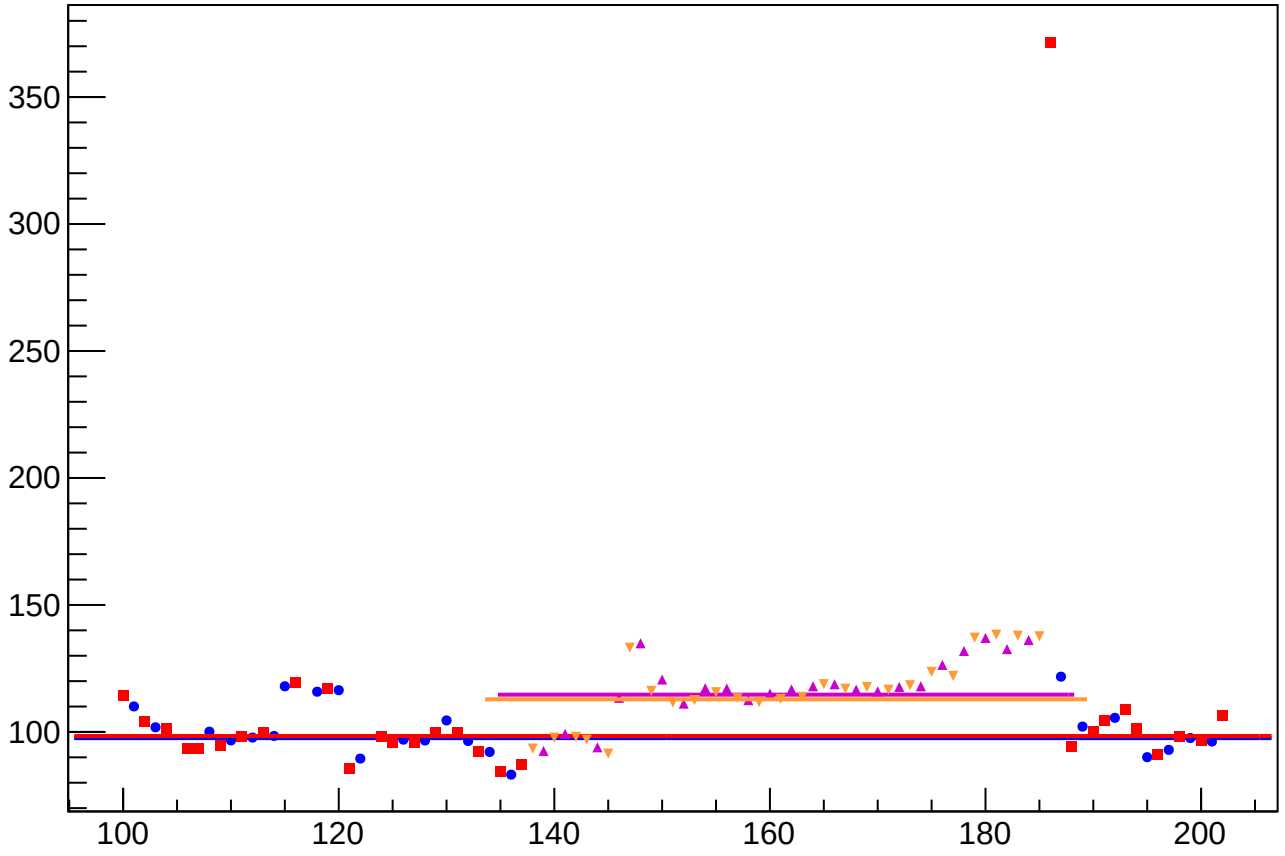
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -99.038+/-18.941 χ^2/NDF: 66.8/47

All: -6.062+/-13.317 χ^2/NDF: 178.4/99

- sign 84.831+/-18.727 χ^2/NDF: 63.9/51

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.567+/-0.020 χ^2/NDF: 185456.9/22

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.396+/-0.018 χ^2/NDF: 599546.3/28

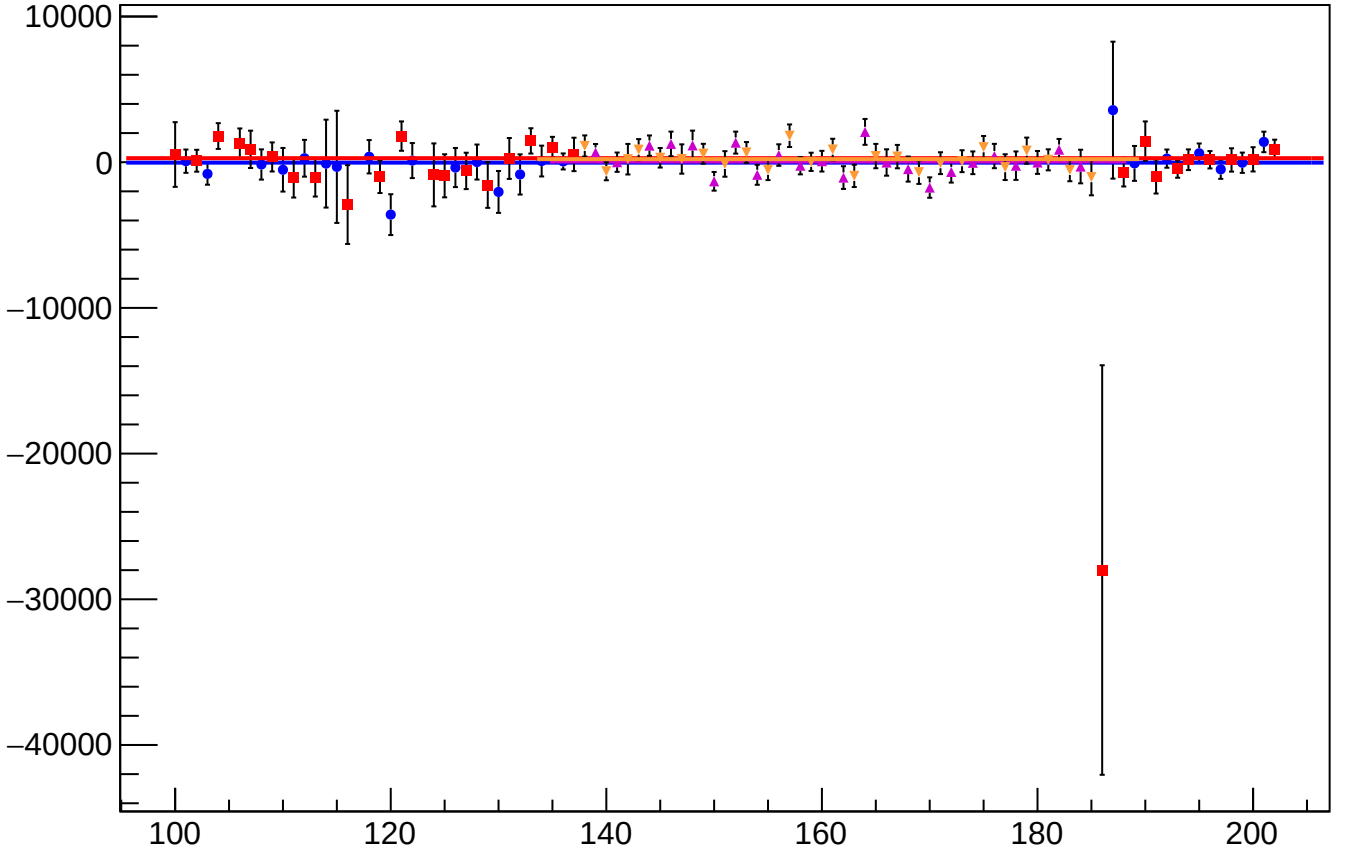
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 105.791+/-0.013 χ^2/NDF: 1021354.2/47

All: 106.028+/-0.009 χ^2/NDF: 2408894.6/99

- sign 106.259+/-0.013 χ^2/NDF: 1386921.9/51

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -28.665+/-196.461 χ^2/NDF: 16.6/22

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 277.003+/-181.650 χ^2/NDF: 26.3/28

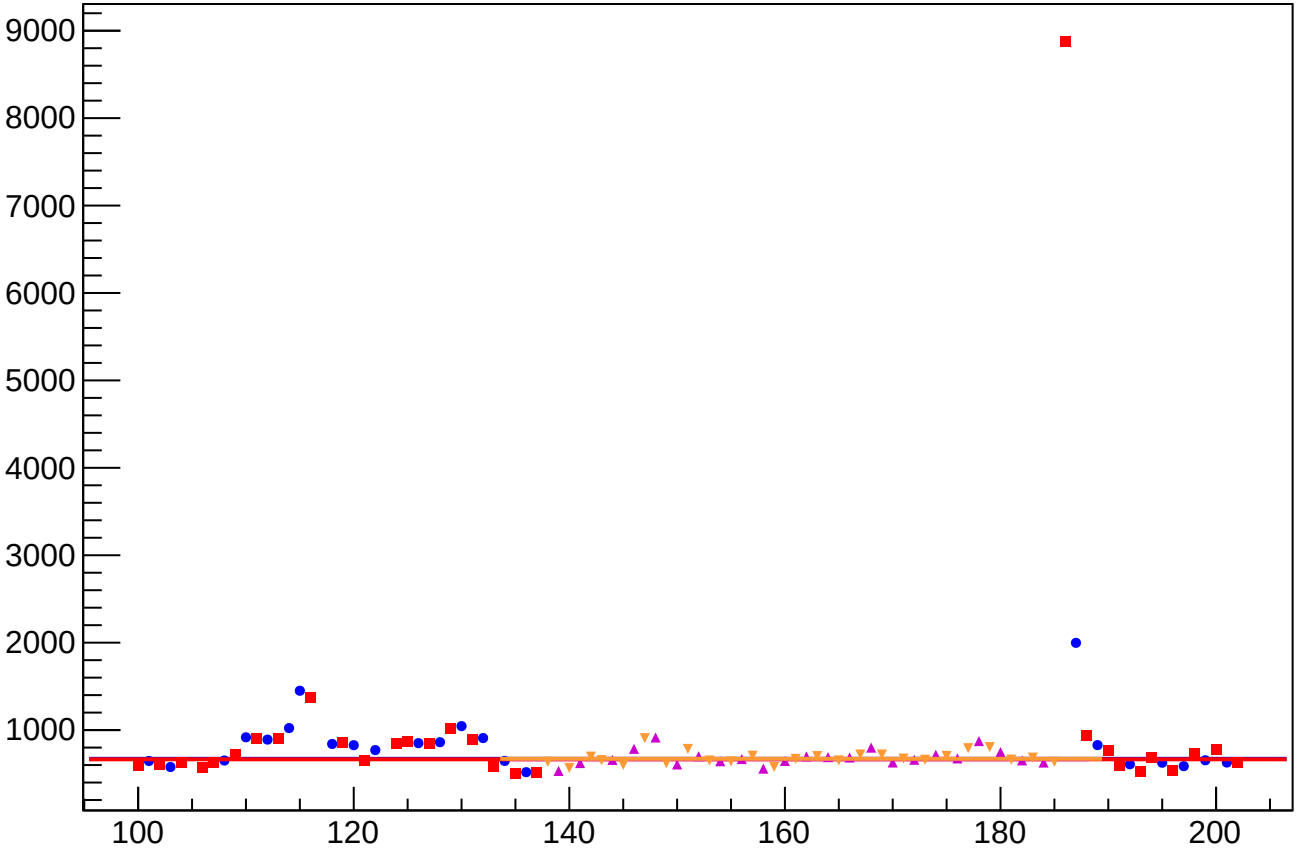
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 118.834+/-121.165 χ^2/NDF: 36.4/47

All: 133.457+/-84.898 χ^2/NDF: 96.9/99

- sign 147.560+/-118.992 χ^2/NDF: 60.5/51

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 671.164+/-0.139 χ^2/NDF: 1040124.5/22

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

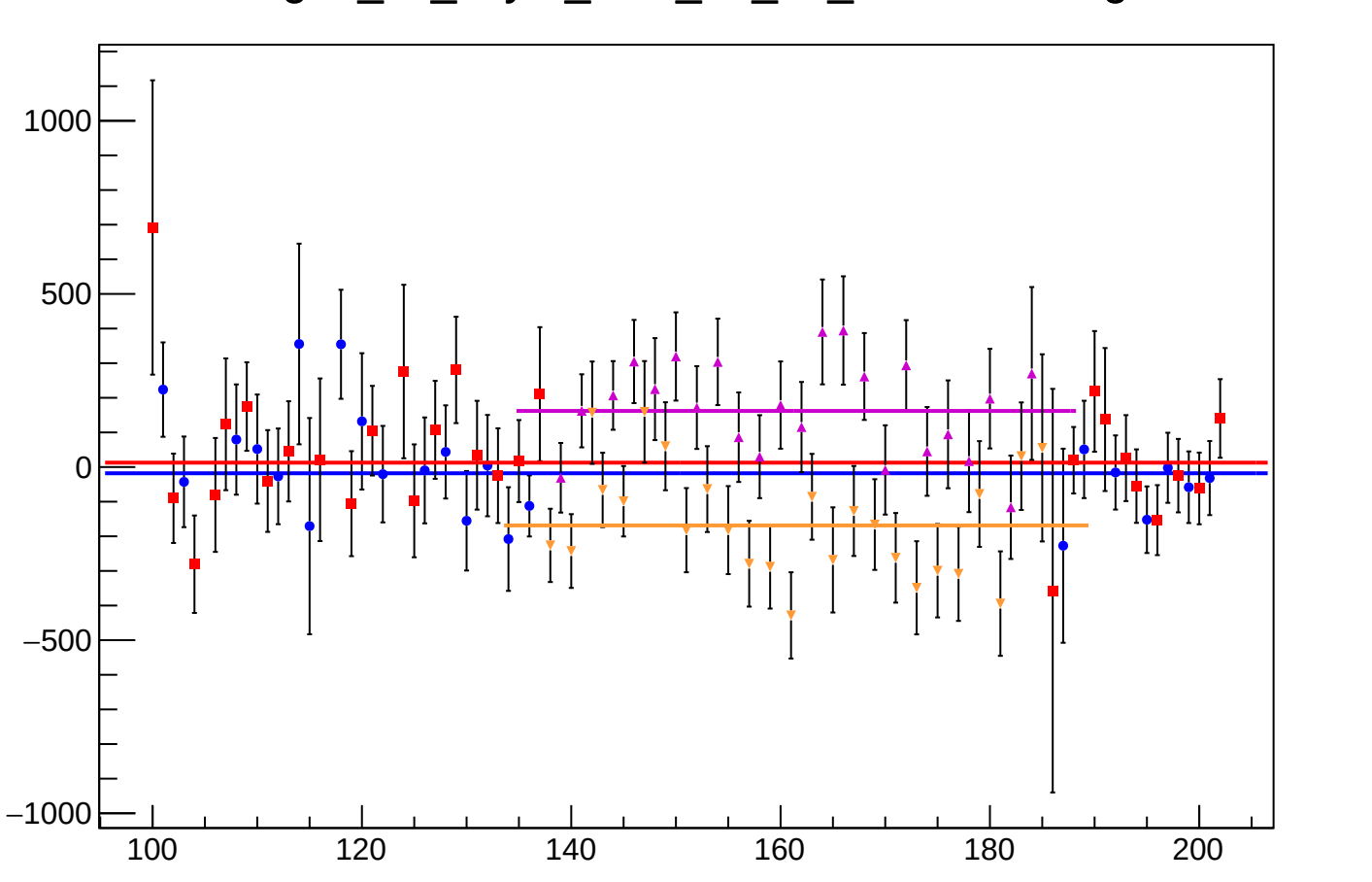
Right Out: 665.865+/-0.128 χ^2/NDF: 1887579.8/28

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 671.588+/-0.086 χ^2/NDF: 1439299.4/47

All: 669.104+/-0.060 χ^2/NDF: 3875510.2/99

- sign 666.708+/-0.084 χ^2/NDF: 2434558.9/51



Right In: -17.943+/-27.871 χ^2/NDF: 18.7/22

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 12.720+/-26.045 χ^2/NDF: 24.5/28

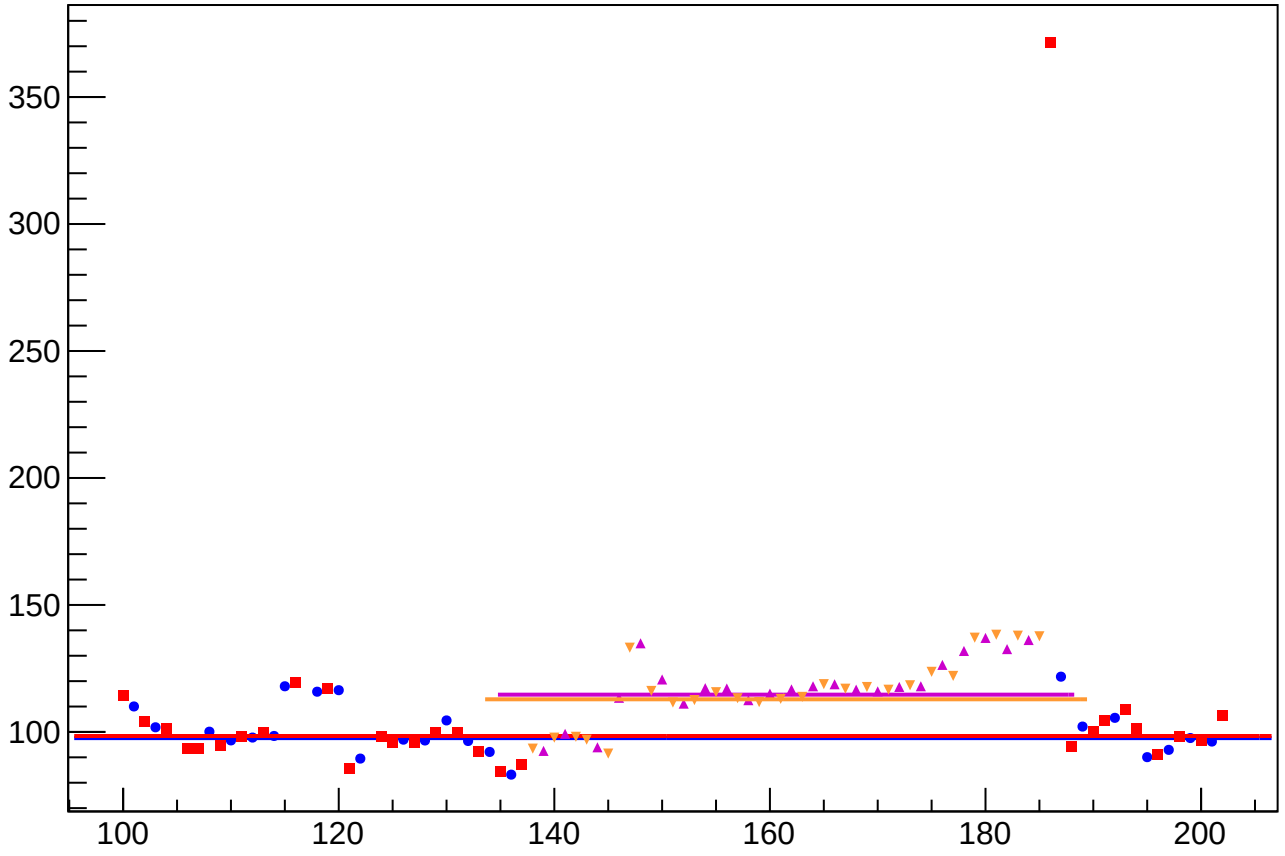
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -99.038+/-18.941 χ^2/NDF: 66.8/47

All: -6.062+/-13.317 χ^2/NDF: 178.4/99

- sign 84.831+/-18.727 χ^2/NDF: 63.9/51

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.566+/-0.020 χ^2/NDF: 185460.2/22

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

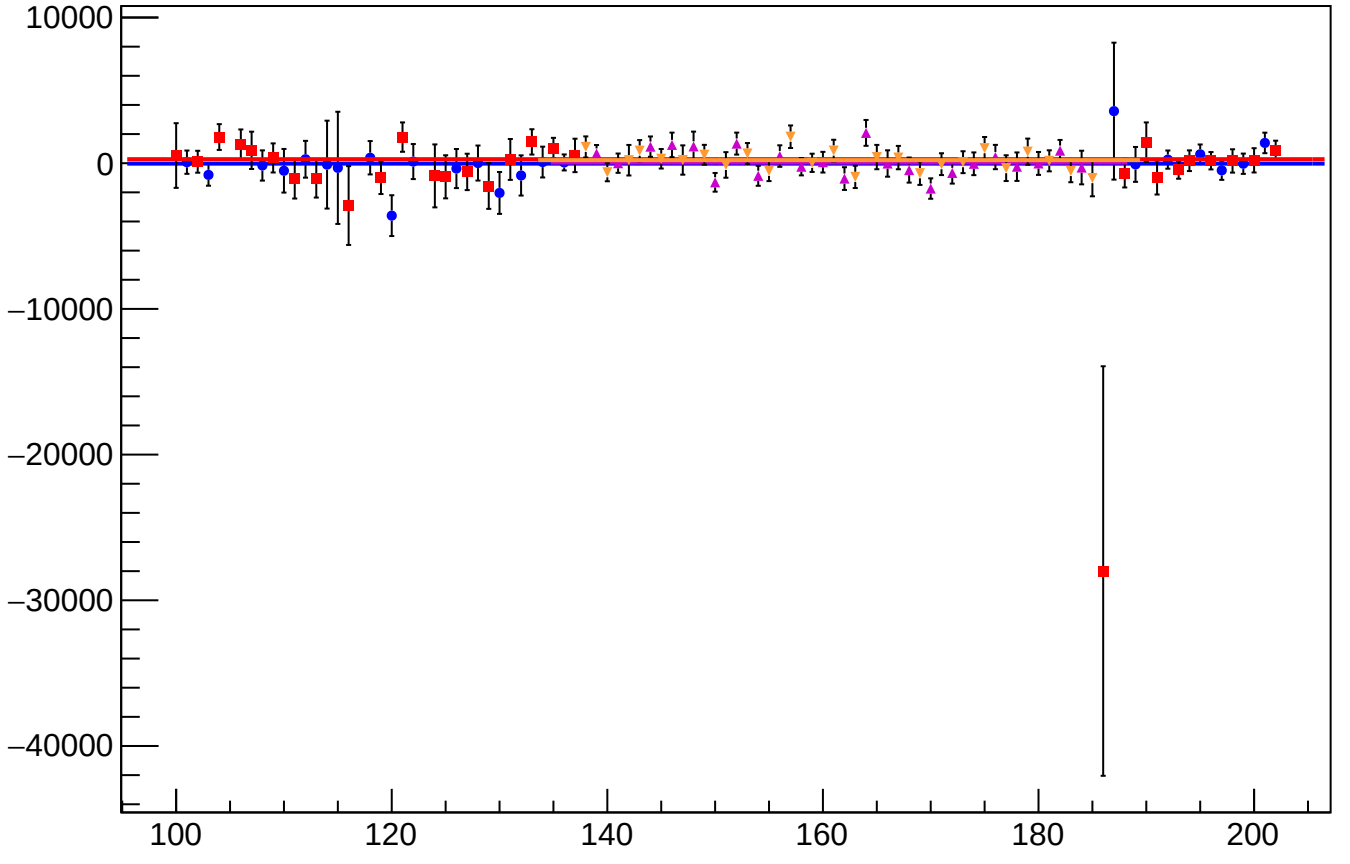
Right Out: 98.396+/-0.018 χ^2/NDF: 599546.1/28

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 105.791+/-0.013 χ^2/NDF: 1021358.1/47

All: 106.028+/-0.009 χ^2/NDF: 2408904.4/99

- sign 106.259+/-0.013 χ^2/NDF: 1386927.7/51



Right In: -28.665+/-196.461 χ^2/NDF: 16.6/22

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 277.003+/-181.650 χ^2/NDF: 26.3/28

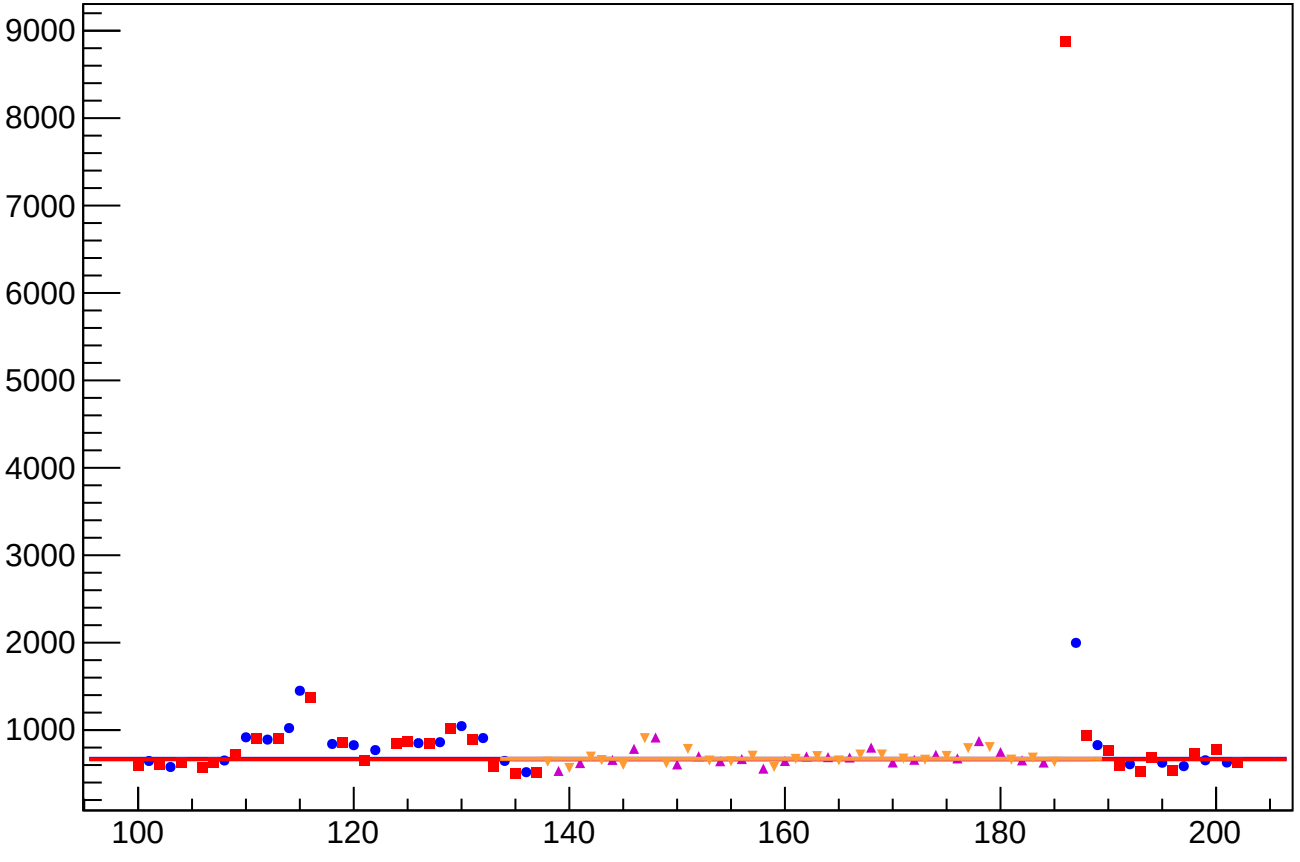
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 118.834+/-121.165 χ^2/NDF: 36.4/47

All: 133.457+/-84.898 χ^2/NDF: 96.9/99

- sign 147.561+/-118.992 χ^2/NDF: 60.5/51

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 671.163+/-0.139 χ^2/NDF: 1040125.9/22

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.864+/-0.128 χ^2/NDF: 1887584.5/28

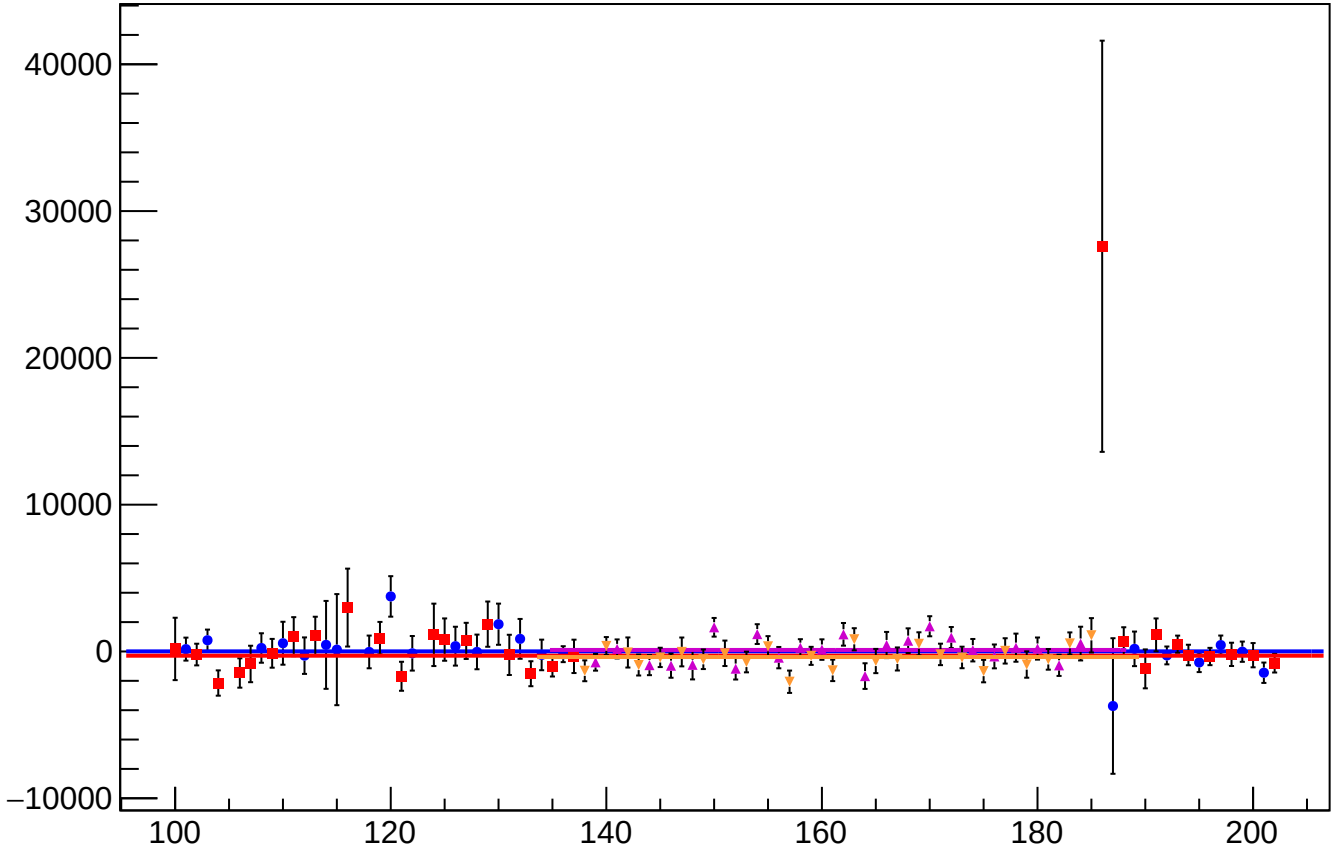
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 671.588+/-0.086 χ^2/NDF: 1439301.3/47

All: 669.104+/-0.060 χ^2/NDF: 3875519.0/99

- sign 666.708+/-0.084 χ^2/NDF: 2434565.9/51

asym_sam_15_dd_mean vs Slug



Right In: 6.874+/-192.905 χ^2/NDF: 18.2/22

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -288.087+/-177.714 χ^2/NDF: 29.4/28

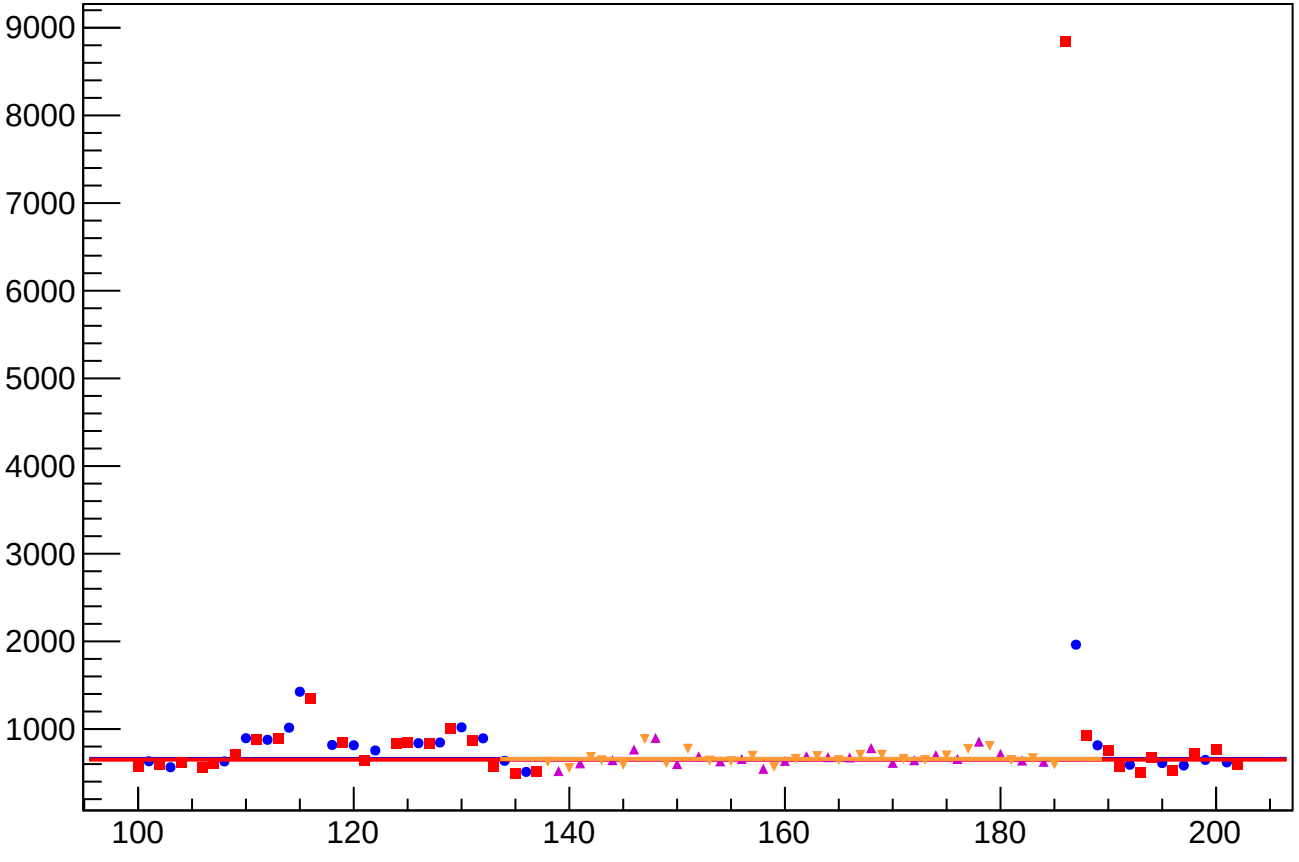
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -231.348+/-118.880 χ^2/NDF: 42.1/47

All: -146.491+/-83.216 χ^2/NDF: 110.8/99

- sign -64.960+/-116.527 χ^2/NDF: 67.7/51

asym_sam_15_dd_rms vs Slug



Right In: 658.936+/-0.136 χ^2/NDF: 1033415.1/22

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

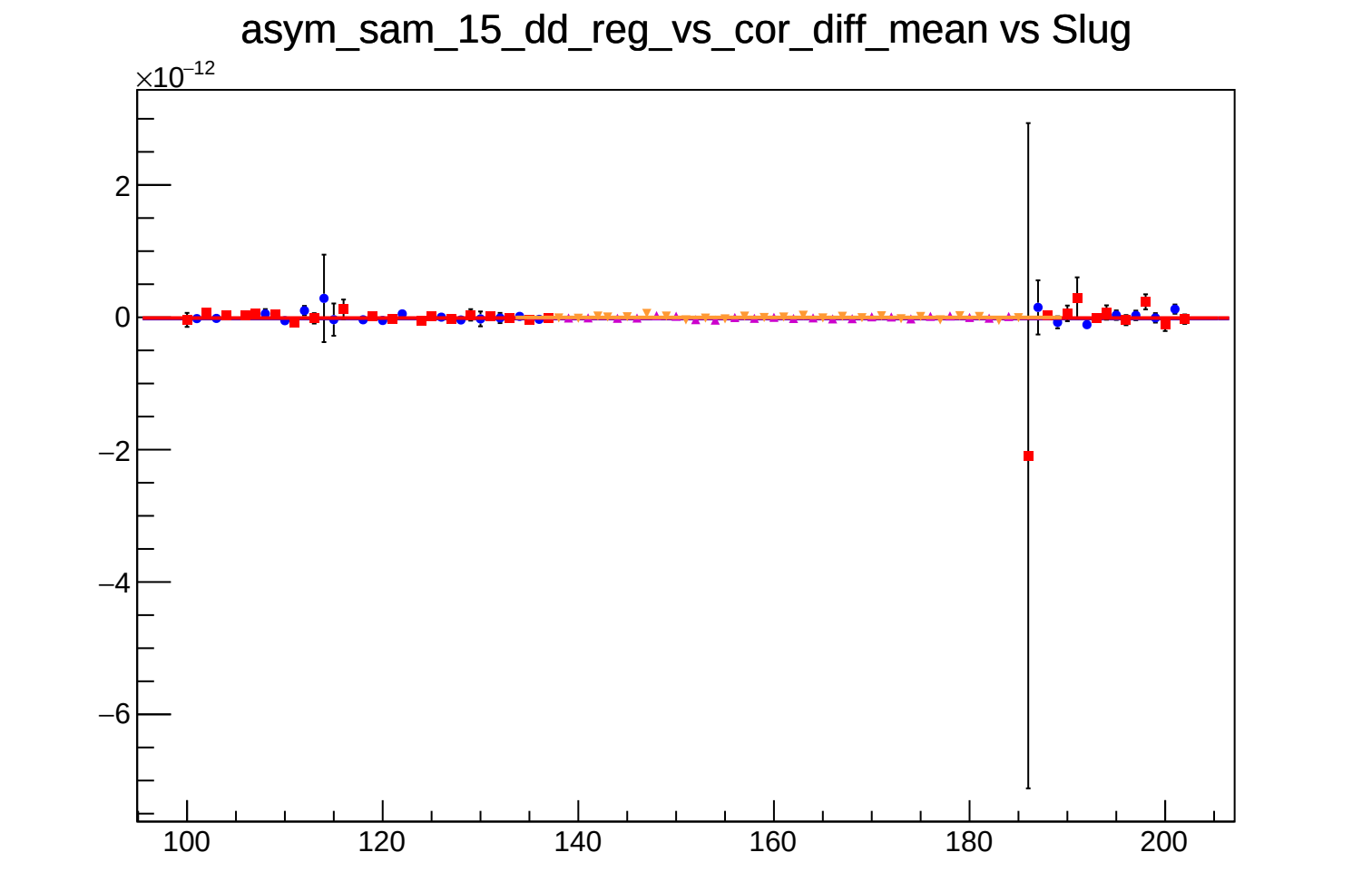
Right Out: 650.804+/-0.126 χ^2/NDF: 1927224.6/28

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 658.772+/-0.084 χ^2/NDF: 1443101.7/47

All: 655.623+/-0.059 χ^2/NDF: 3915513.9/99

- sign 652.597+/-0.082 χ^2/NDF: 2469660.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

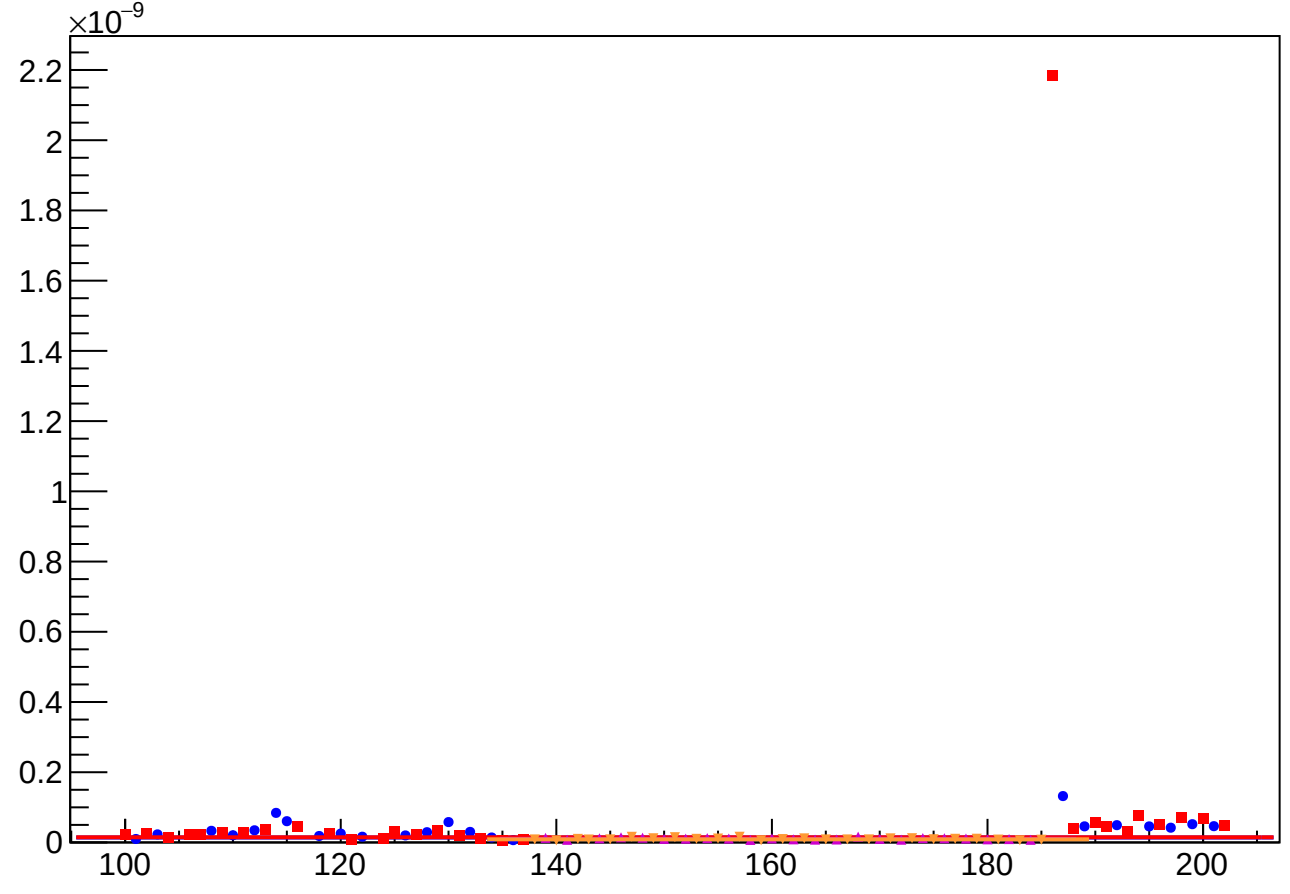
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/28

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/47

All: -0.000+/-0.000 χ^2/NDF: 95.6/99

- sign -0.000+/-0.000 χ^2/NDF: 41.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 4953548.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6310265.2/28

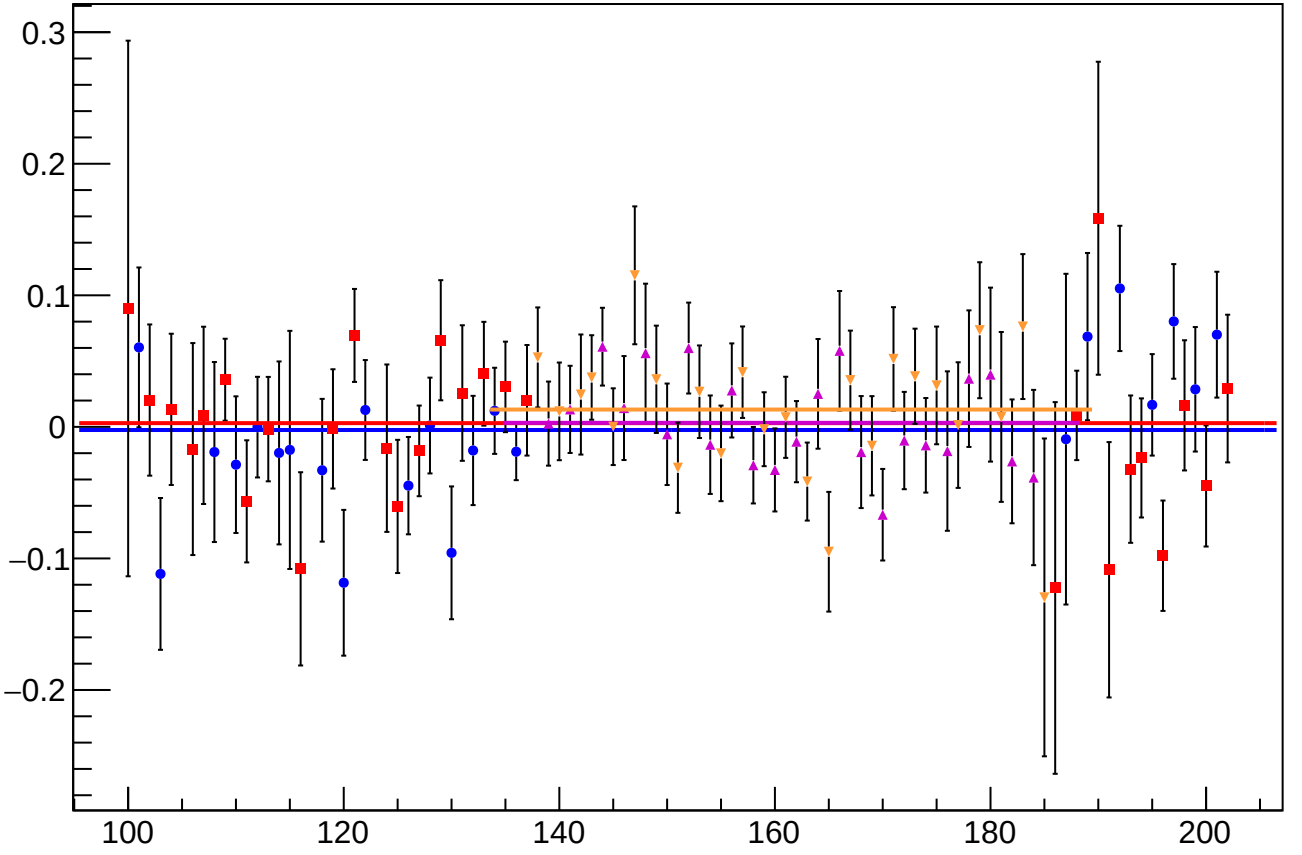
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6743607.5/47

All: 0.000+/-0.000 χ^2/NDF: 14442152.8/99

- sign 0.000+/-0.000 χ^2/NDF: 7538172.9/51

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.009 χ^2/NDF: 28.5/22

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.003+/-0.009 χ^2/NDF: 26.6/28

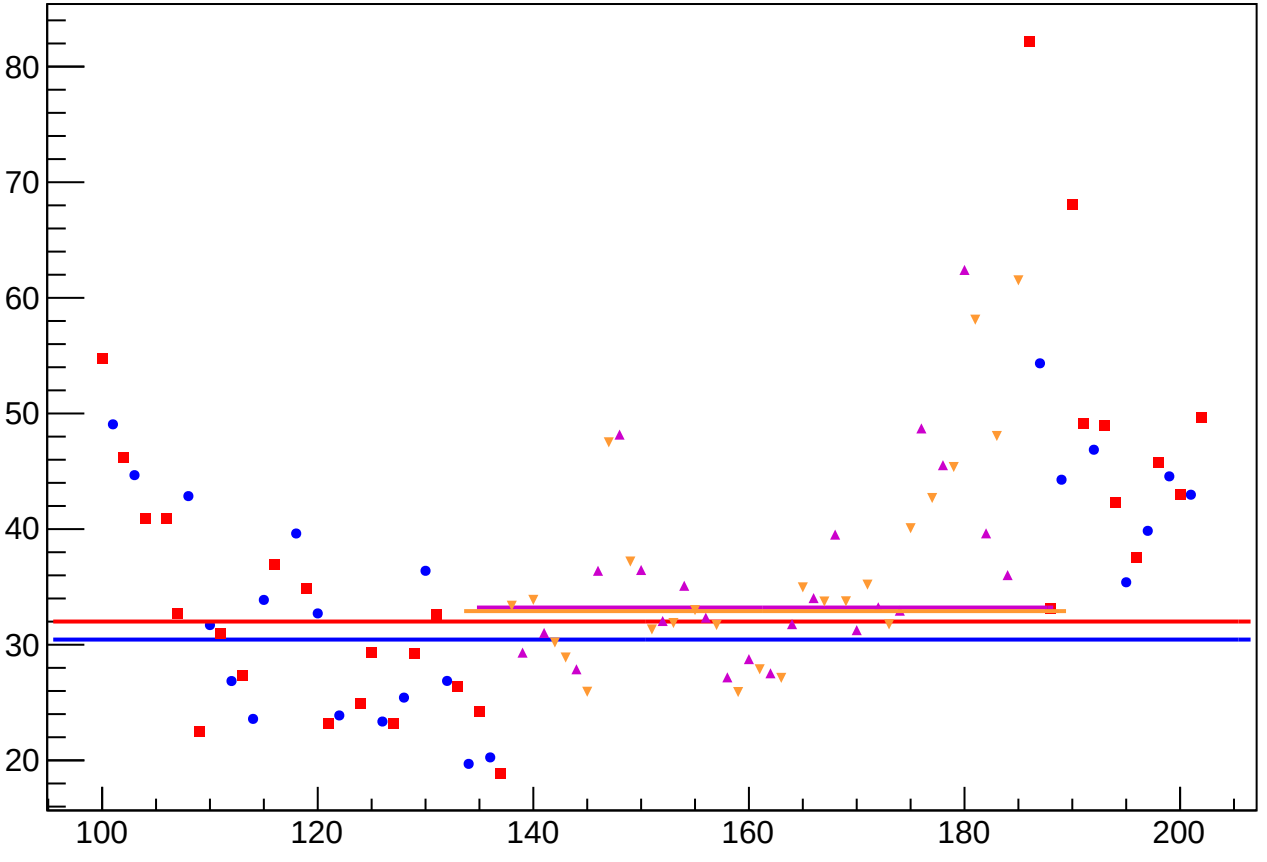
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 55.6/47

All: 0.005+/-0.004 χ^2/NDF: 101.5/99

- sign 0.003+/-0.006 χ^2/NDF: 45.8/51

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.446+/-0.006 χ^2/NDF: 2196076.6/22

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

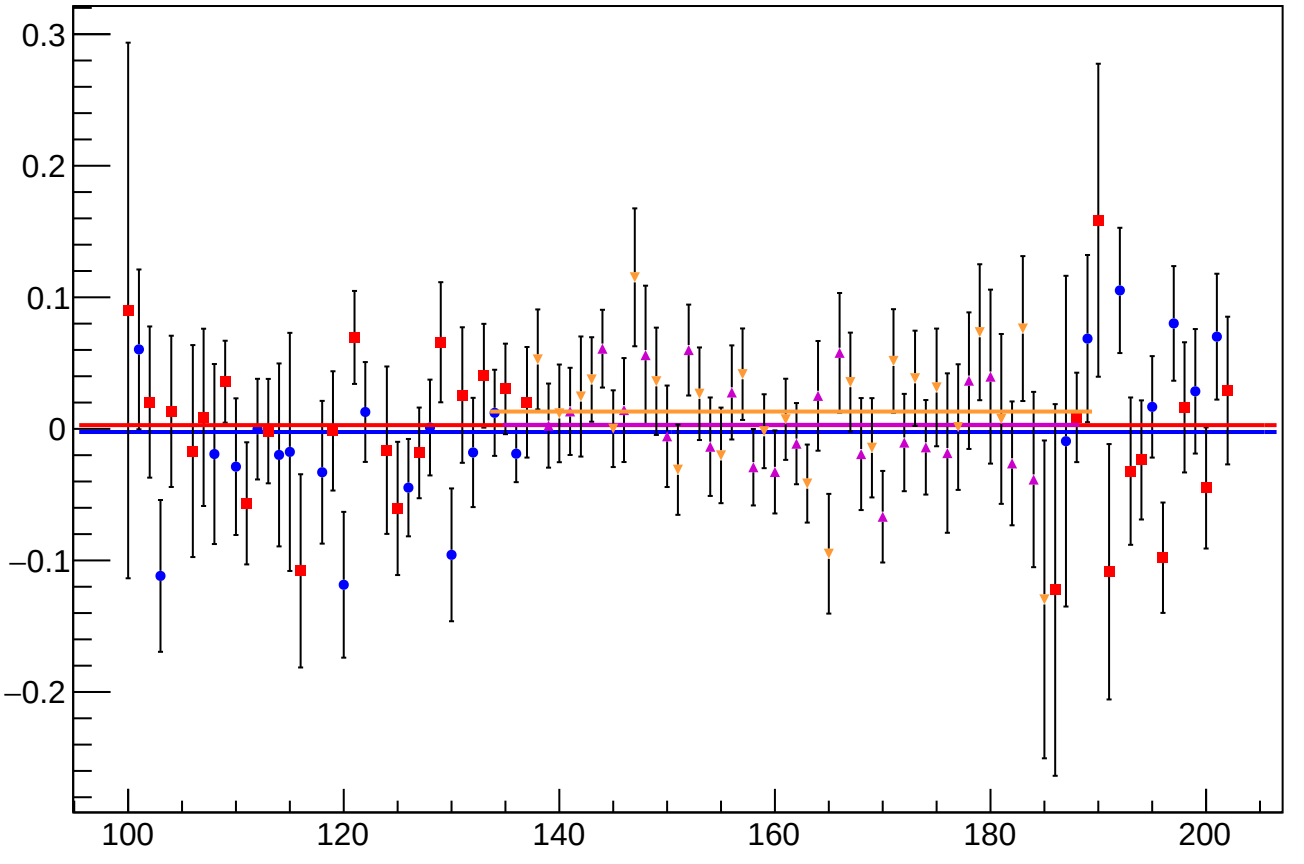
Right Out: 32.006+/-0.006 χ^2/NDF: 2368604.5/28

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.893+/-0.004 χ^2/NDF: 3708664.0/47

All: 32.282+/-0.003 χ^2/NDF: 7336931.3/99

- sign 32.678+/-0.004 χ^2/NDF: 3610634.5/51



Right In: -0.002+/-0.009 χ^2/NDF: 28.5/22

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

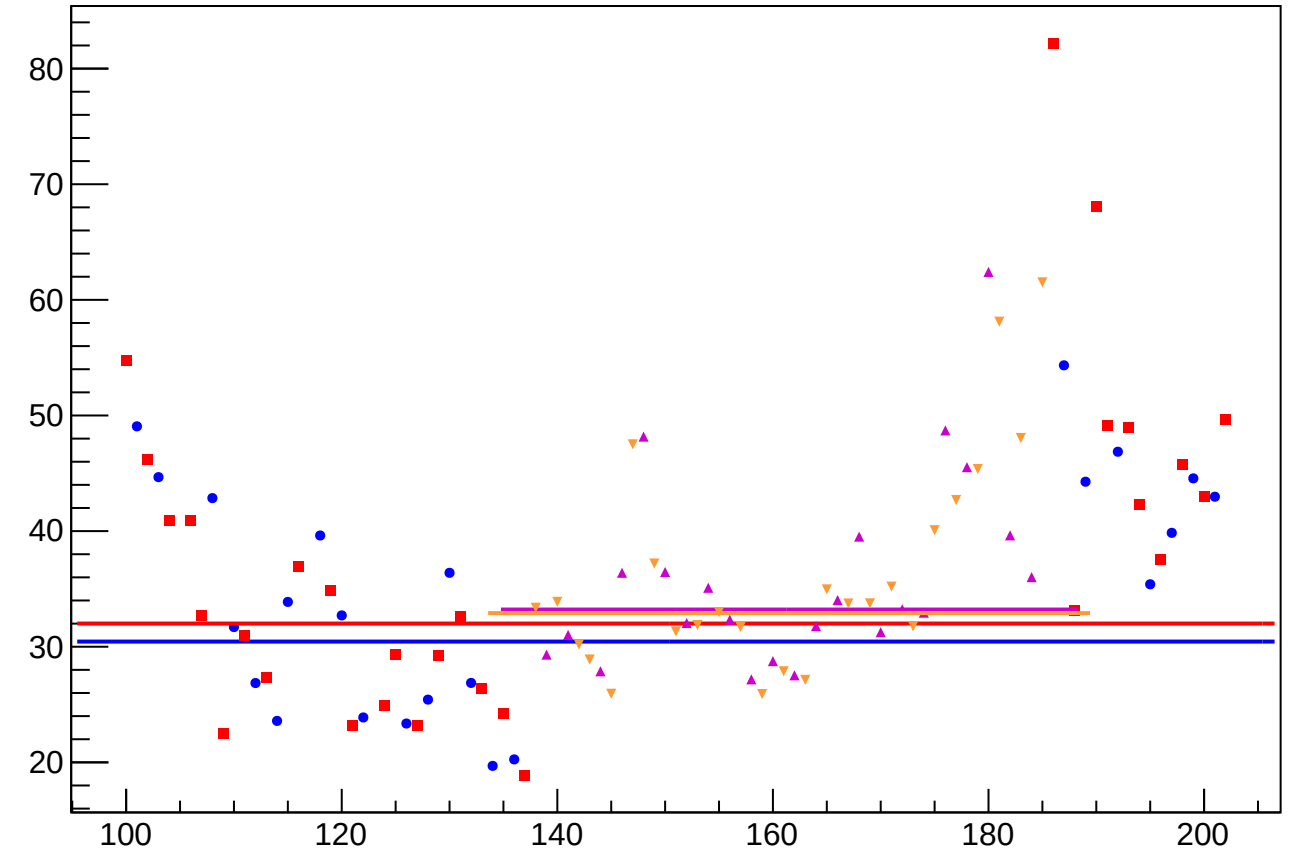
Right Out: 0.003+/-0.009 χ^2/NDF: 26.6/28

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 55.6/47

All: 0.005+/-0.004 χ^2/NDF: 101.5/99

- sign 0.003+/-0.006 χ^2/NDF: 45.8/51



Right In: 30.446+/-0.006 χ^2/NDF: 2196076.6/22

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

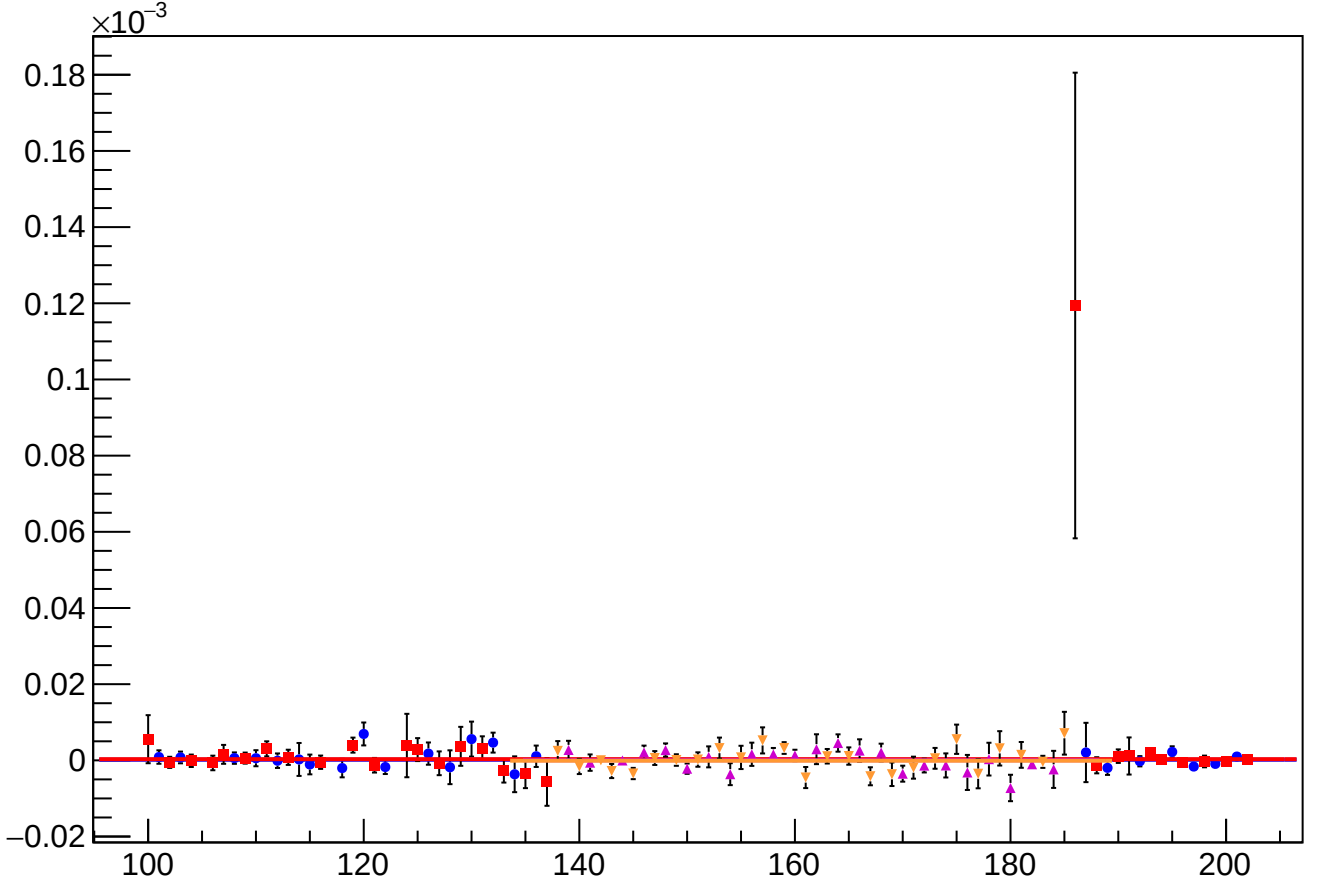
Right Out: 32.006+/-0.006 χ^2/NDF: 2368604.5/28

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.893+/-0.004 χ^2/NDF: 3708664.0/47

All: 32.282+/-0.003 χ^2/NDF: 7336931.3/99

- sign 32.678+/-0.004 χ^2/NDF: 3610634.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/28

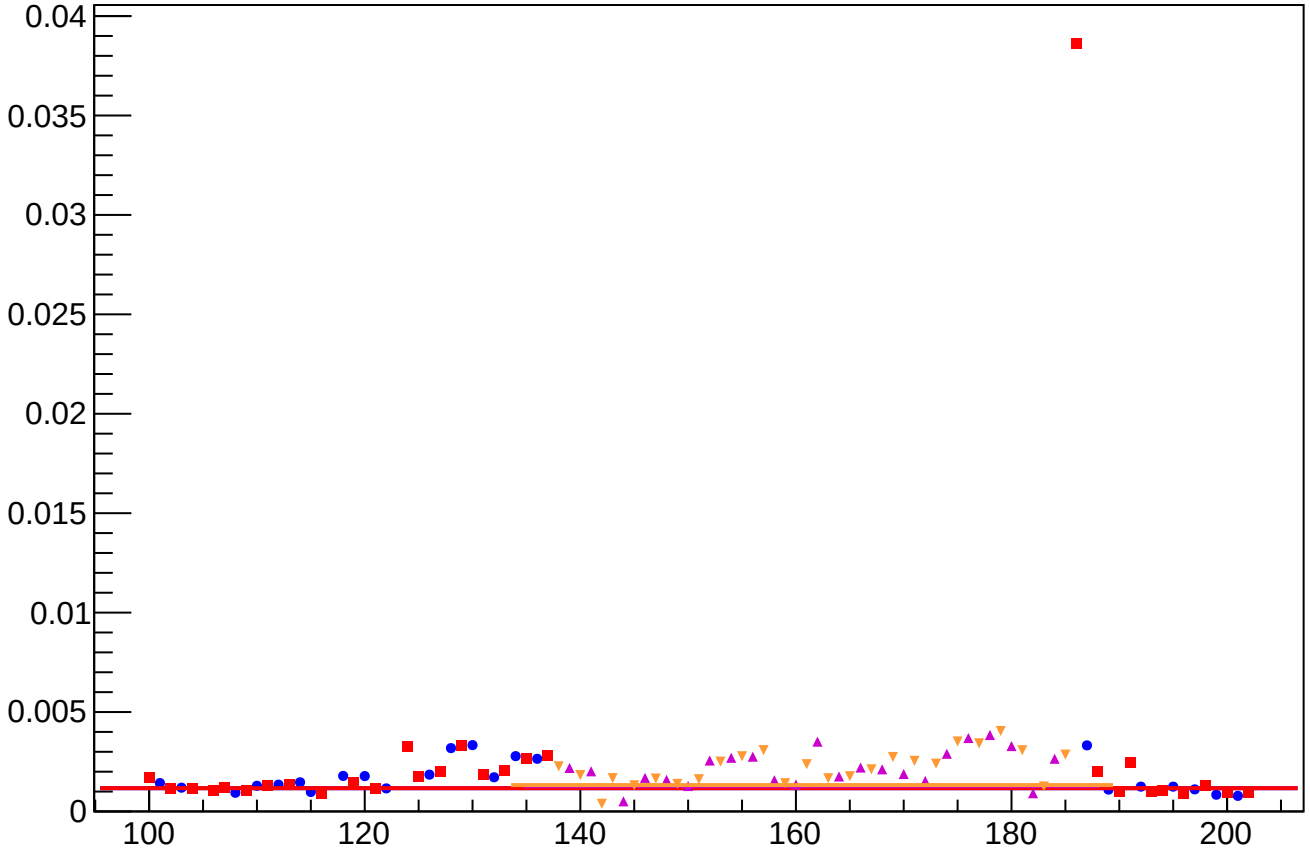
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/47

All: 0.000+/-0.000 χ^2/NDF: 100.9/99

- sign 0.000+/-0.000 χ^2/NDF: 48.4/51

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3024205.8/22

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

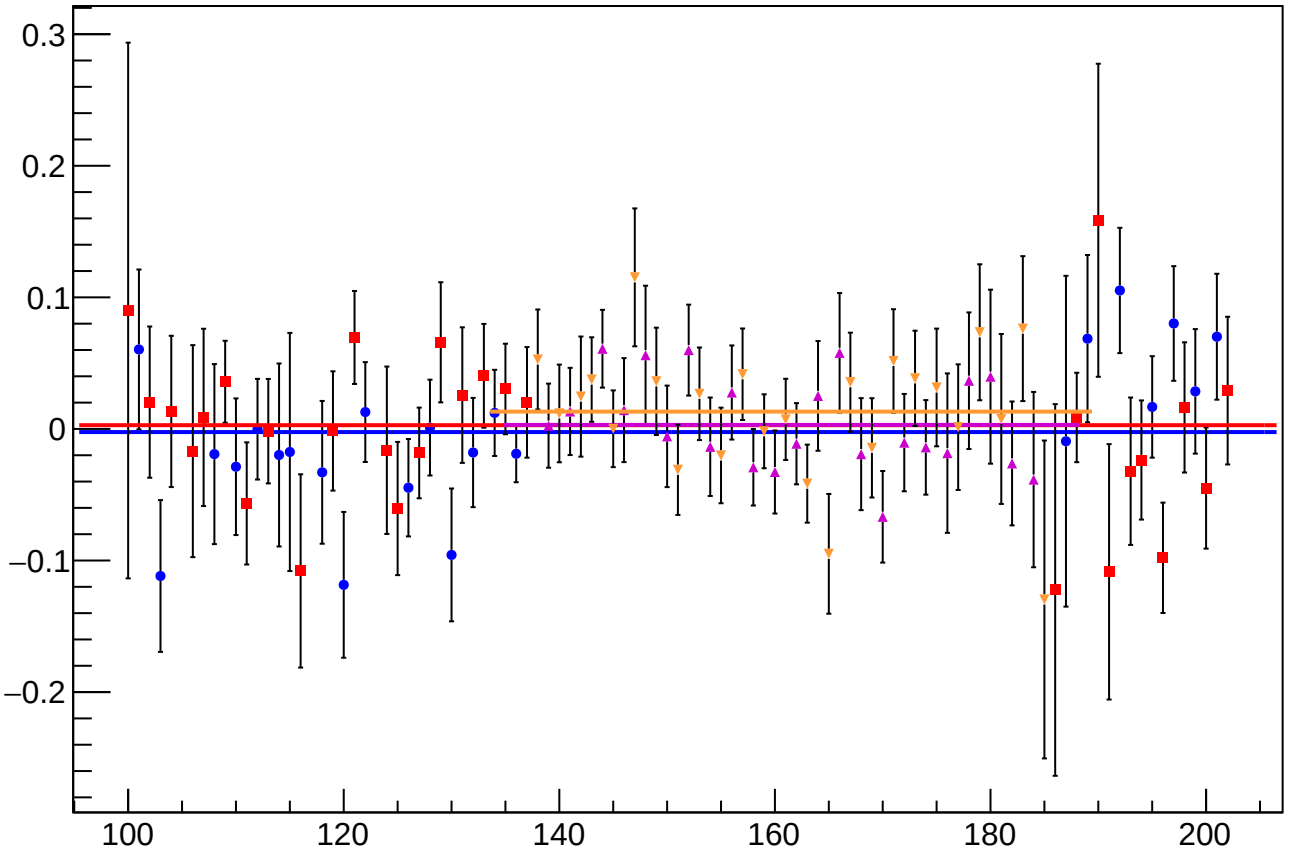
Right Out: 0.001+/-0.000 χ^2/NDF: 3208393.0/28

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 14370198.7/47

All: 0.001+/-0.000 χ^2/NDF: 27559207.6/99

- sign 0.001+/-0.000 χ^2/NDF: 13176757.5/51



Right In: -0.002+/-0.009 χ^2/NDF: 28.5/22

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

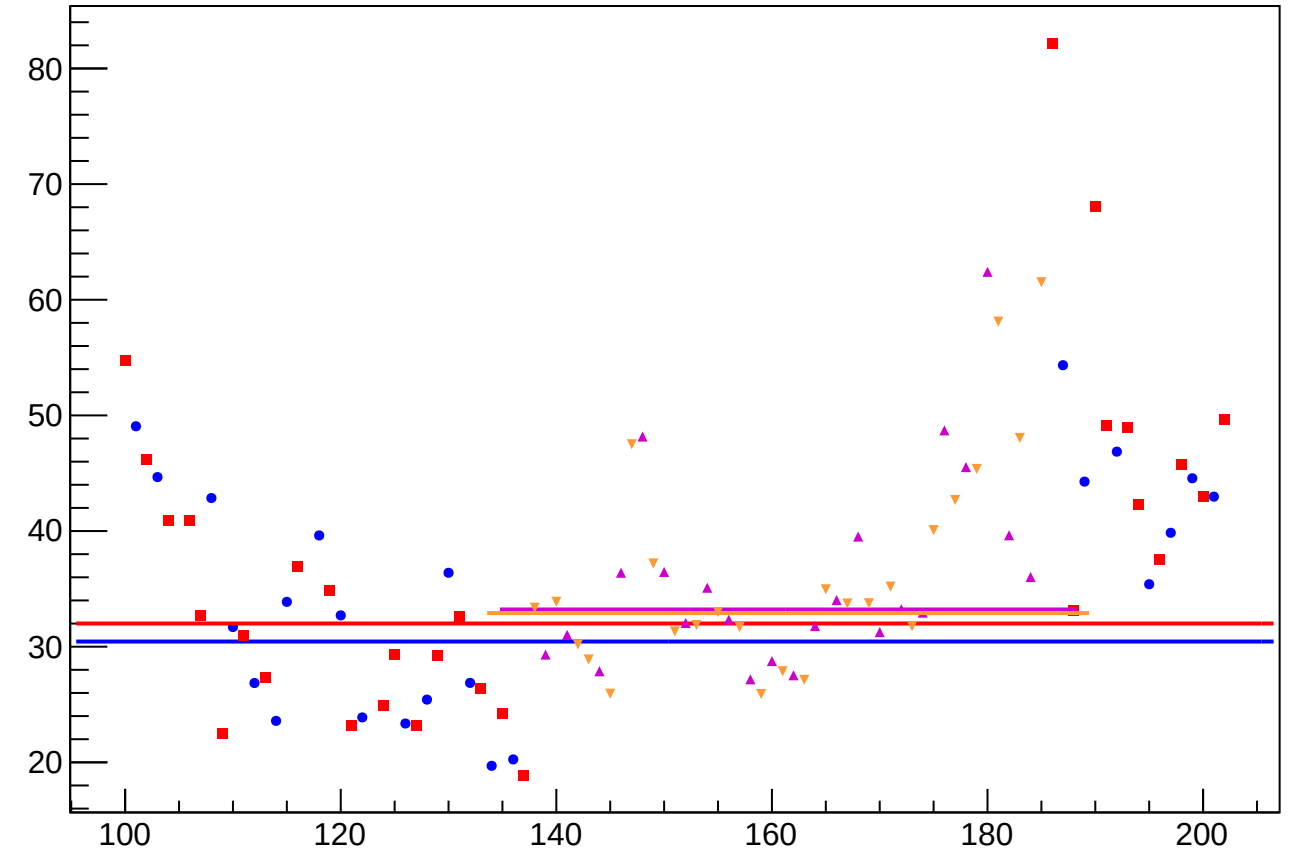
Right Out: 0.003+/-0.009 χ^2/NDF: 26.6/28

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 55.6/47

All: 0.005+/-0.004 χ^2/NDF: 101.5/99

- sign 0.003+/-0.006 χ^2/NDF: 45.8/51



Right In: 30.445+/-0.006 χ^2/NDF: 2196261.6/22

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

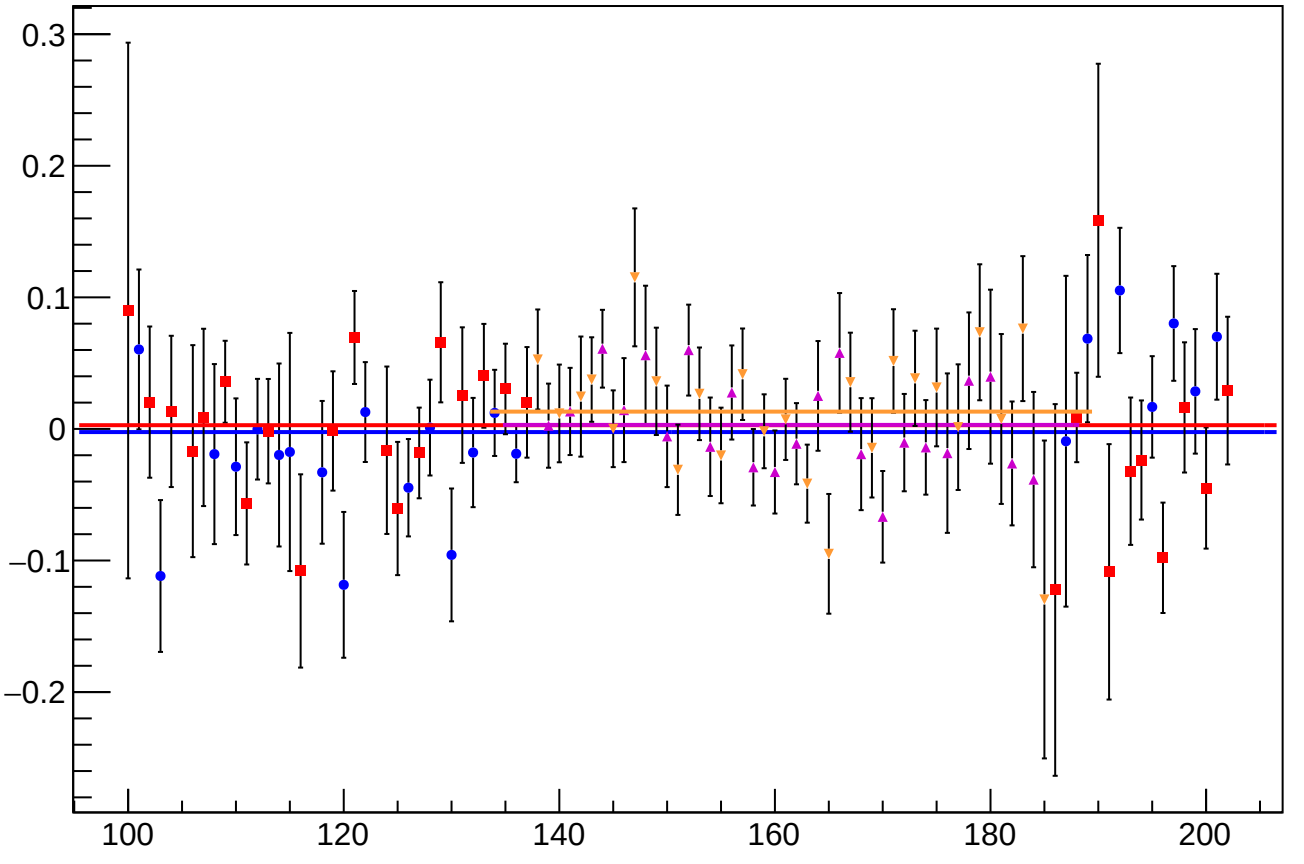
Right Out: 32.005+/-0.006 χ^2/NDF: 2368916.2/28

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 31.893+/-0.004 χ^2/NDF: 3708971.2/47

All: 32.282+/-0.003 χ^2/NDF: 7337655.3/99

\- sign 32.677+/-0.004 χ^2/NDF: 3611055.6/51



Right In: -0.002+/-0.009 χ^2/NDF: 28.5/22

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

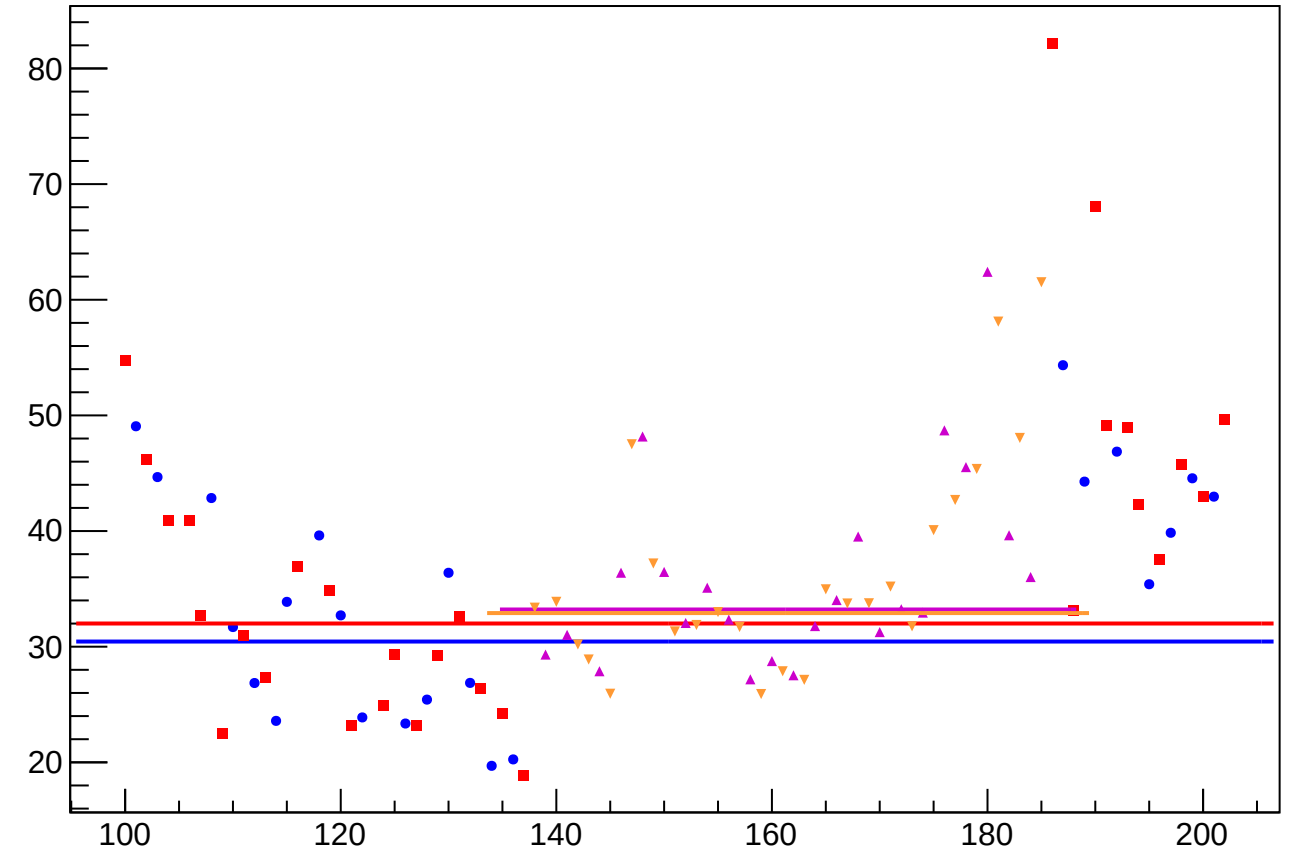
Right Out: 0.003+/-0.009 χ^2/NDF: 26.6/28

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 55.6/47

All: 0.005+/-0.004 χ^2/NDF: 101.5/99

- sign 0.003+/-0.006 χ^2/NDF: 45.8/51



Right In: 30.445+/-0.006 χ^2/NDF: 2196261.6/22

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

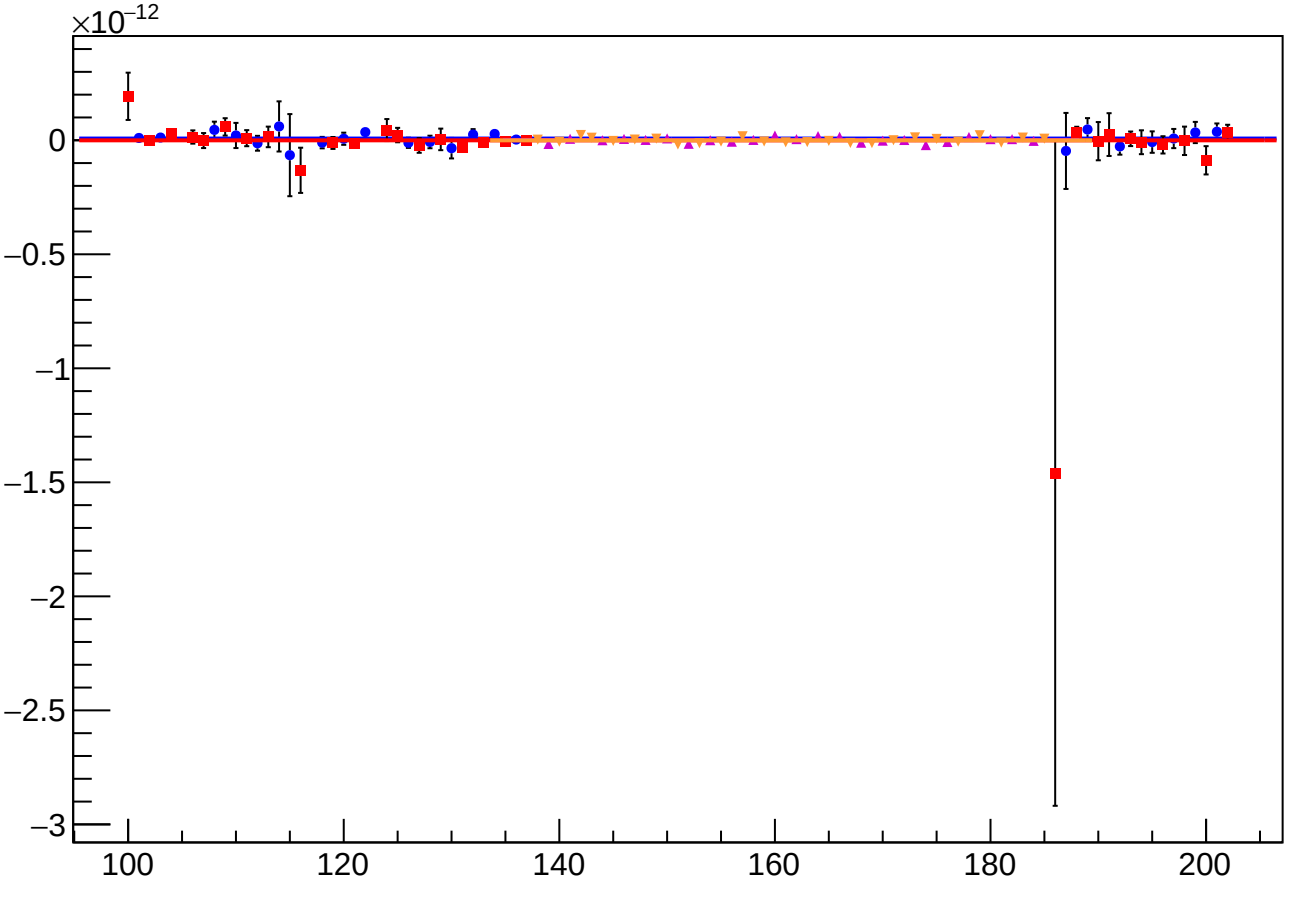
Right Out: 32.005+/-0.006 χ^2/NDF: 2368916.2/28

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.893+/-0.004 χ^2/NDF: 3708971.2/47

All: 32.282+/-0.003 χ^2/NDF: 7337655.3/99

- sign 32.677+/-0.004 χ^2/NDF: 3611055.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

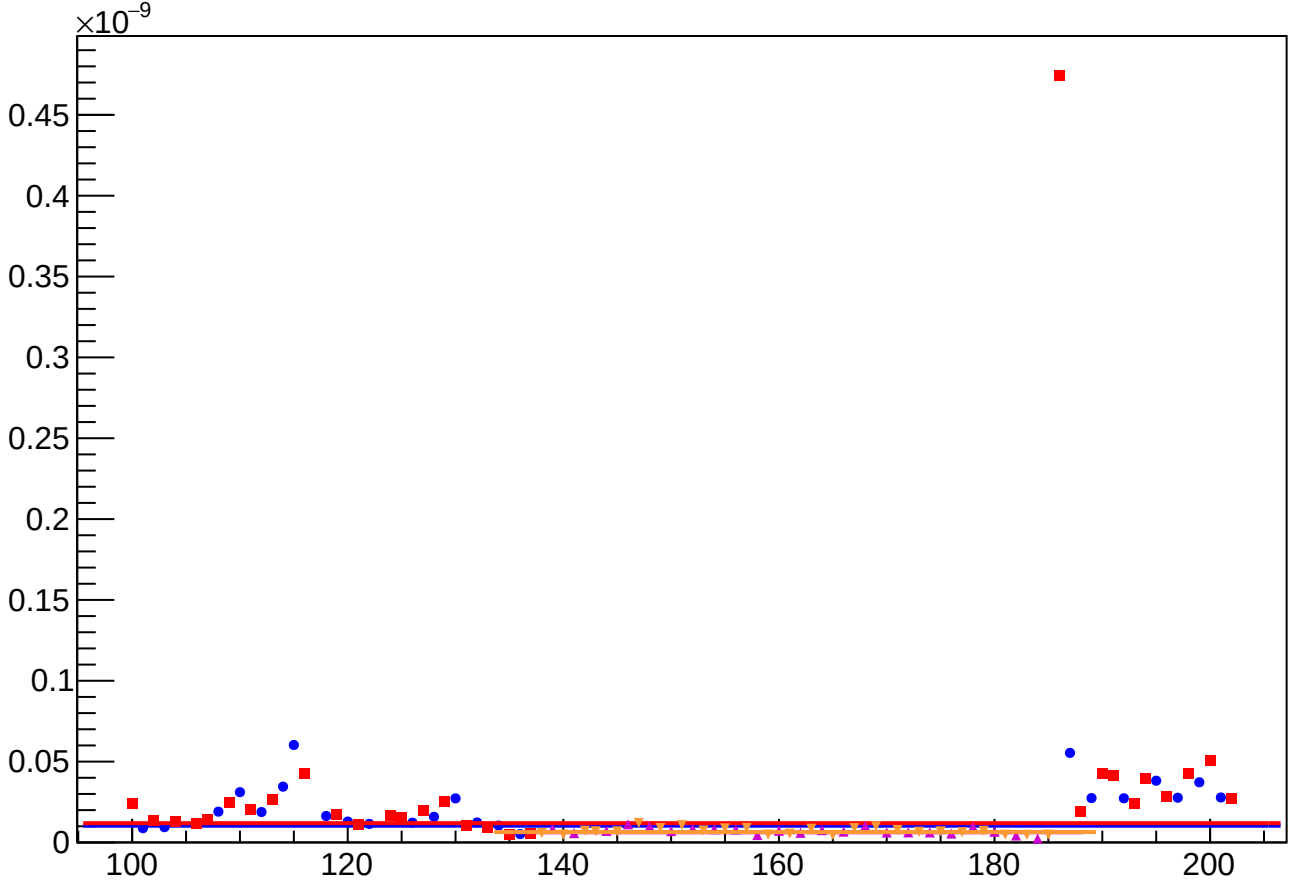
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/28

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/47

All: 0.000+/-0.000 χ^2/NDF: 91.4/99

- sign 0.000+/-0.000 χ^2/NDF: 46.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 5587189.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6678667.8/28

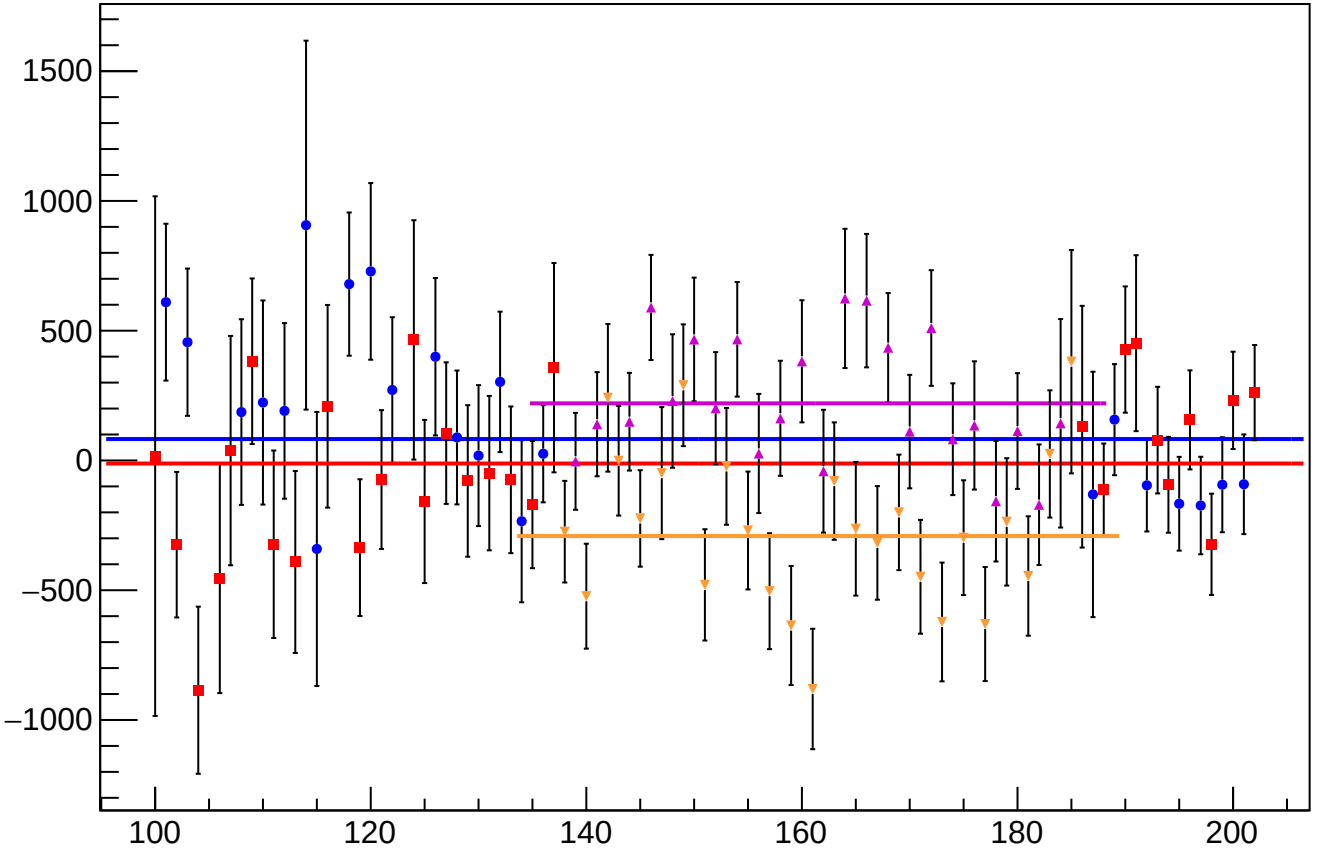
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8839096.7/47

All: 0.000+/-0.000 χ^2/NDF: 20152468.3/99

- sign 0.000+/-0.000 χ^2/NDF: 11309625.4/51

reg_asym_sam_26_dd_mean vs Slug



Right In: 82.496+/-53.285 χ^2/NDF: 25.6/22

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -11.798+/-49.522 χ^2/NDF: 30.9/28

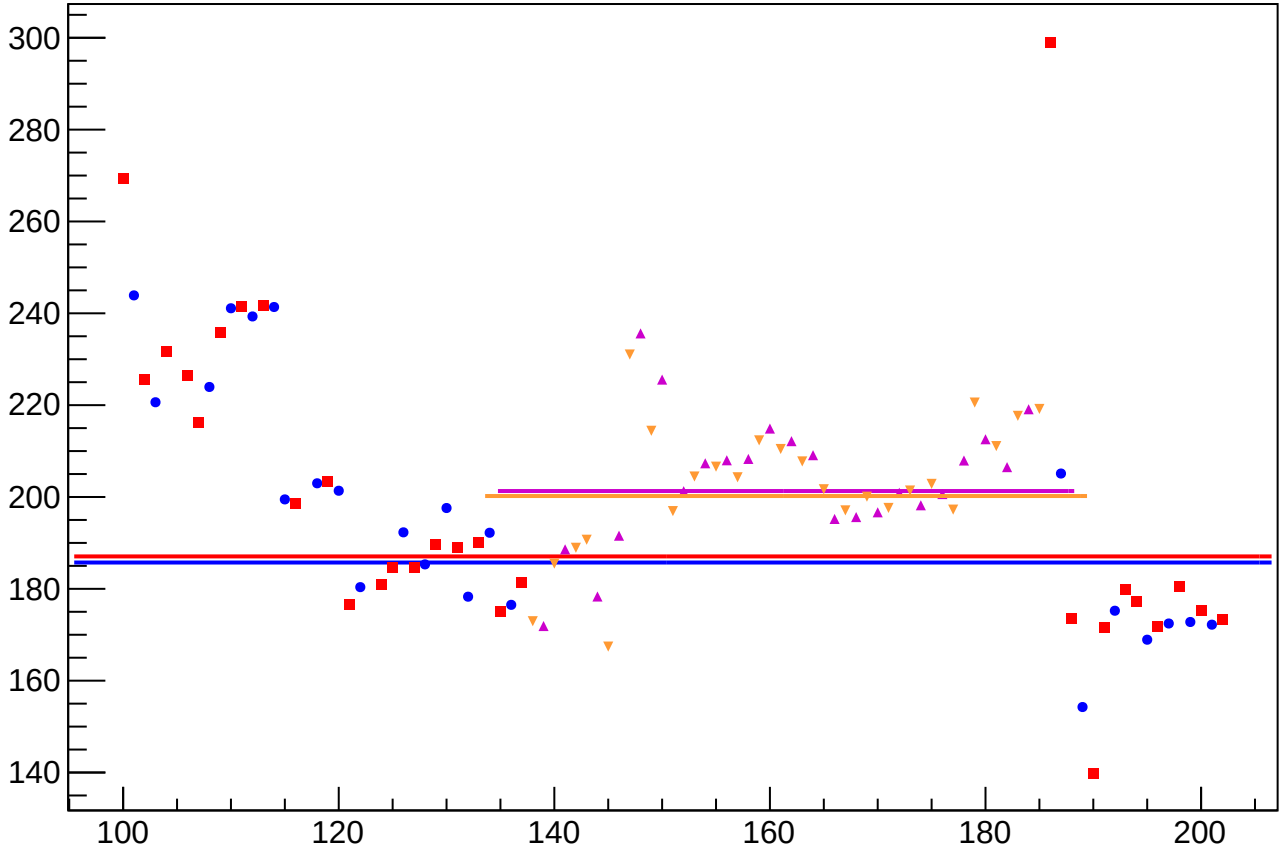
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -133.229+/-34.651 χ^2/NDF: 90.4/47

All: -9.939+/-24.322 χ^2/NDF: 181.5/99

- sign 109.782+/-34.146 χ^2/NDF: 66.2/51

reg_asym_sam_26_dd_rms vs Slug



Right In: 185.730+/-0.038 χ^2/NDF: 356266.4/22

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 187.060+/-0.035 χ^2/NDF: 522658.3/28

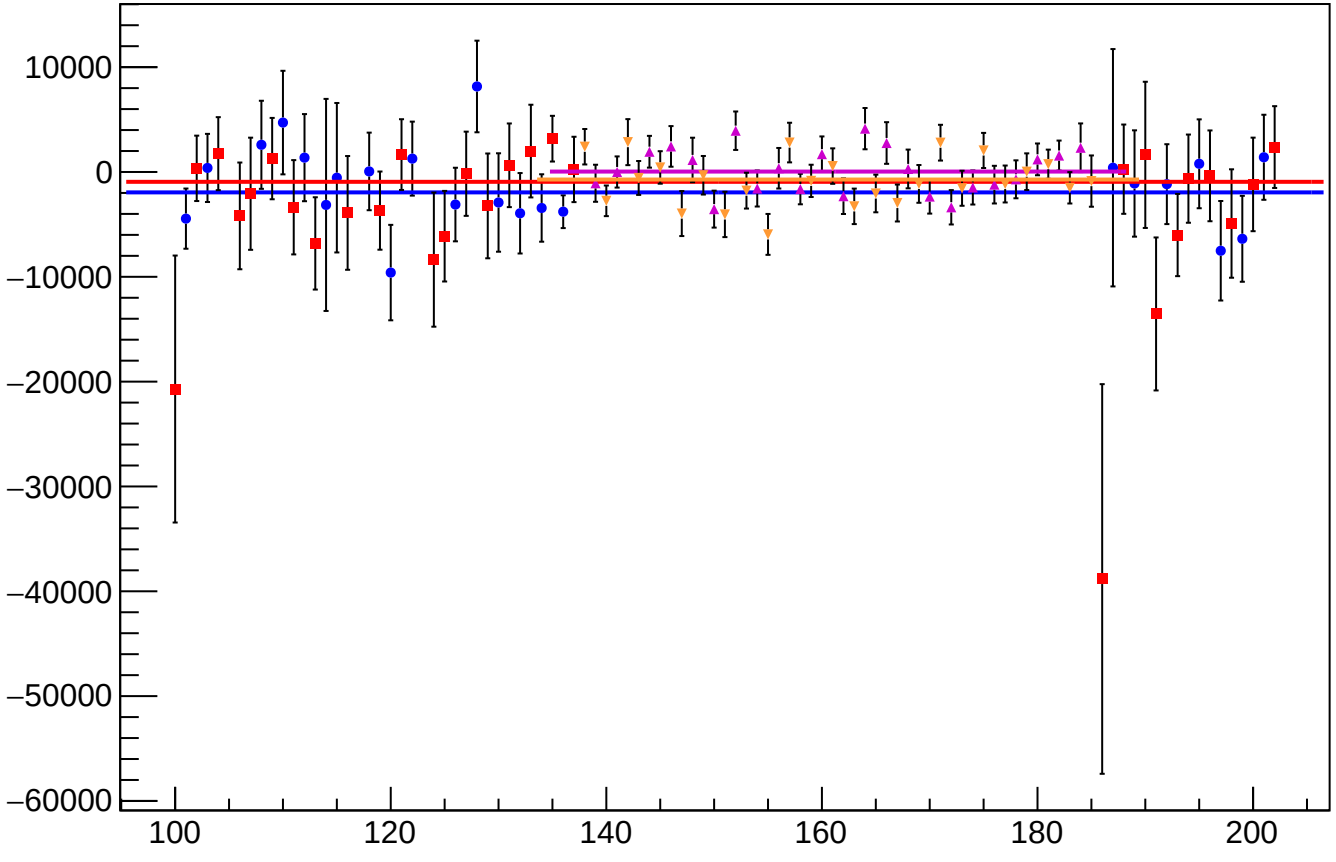
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 194.086+/-0.025 χ^2/NDF: 645891.6/47

All: 194.311+/-0.017 χ^2/NDF: 1437073.7/99

- sign 194.529+/-0.024 χ^2/NDF: 791016.8/51

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1947.023+/-769.044 χ^2/NDF: 20.0/22

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -938.189+/-776.428 χ^2/NDF: 25.2/28

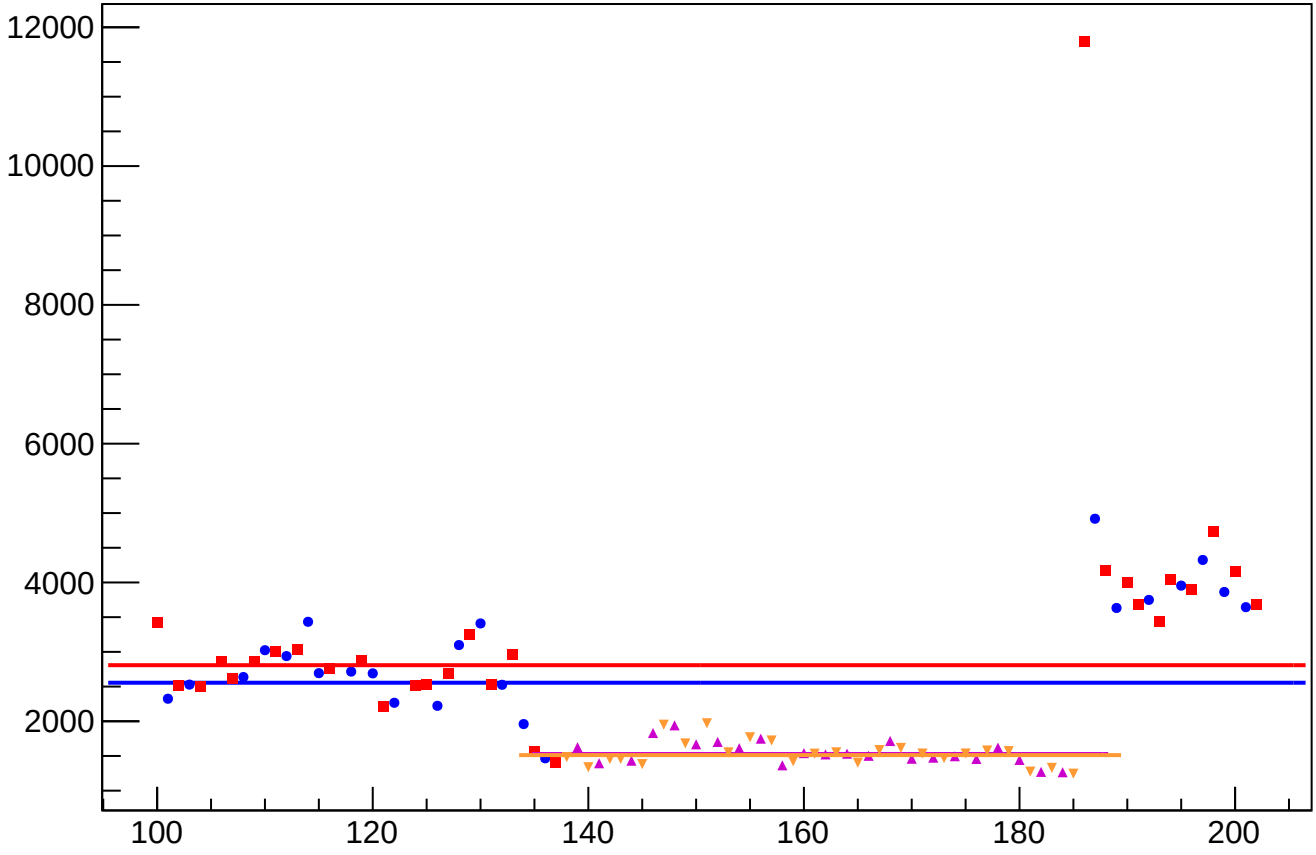
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -927.516+/-315.821 χ^2/NDF: 60.4/47

All: -542.966+/-226.850 χ^2/NDF: 124.4/99

- sign -133.097+/-326.052 χ^2/NDF: 60.9/51

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2555.298+/-0.544 χ^2/NDF: 2454132.4/22

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2808.044+/-0.549 χ^2/NDF: 2888834.7/28

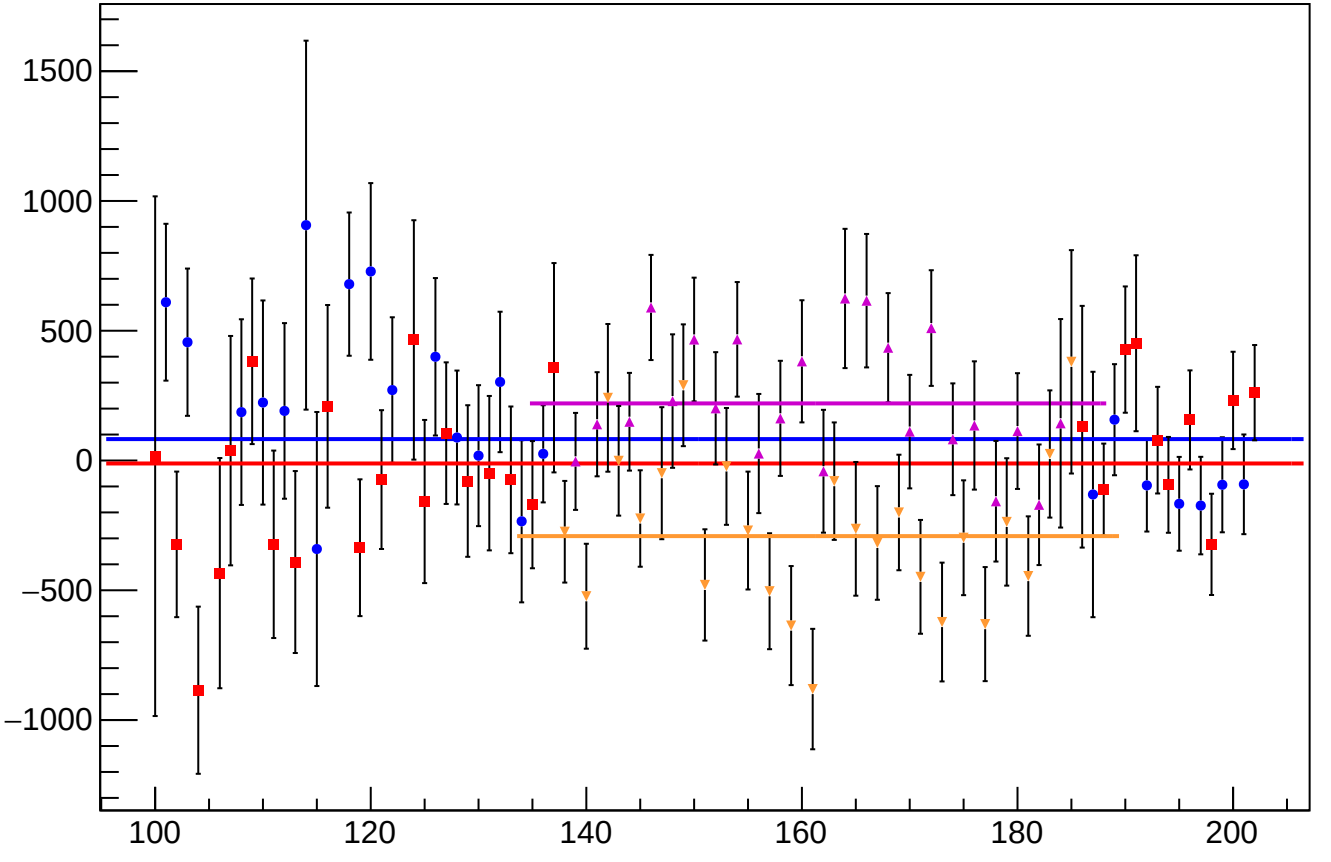
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1688.252+/-0.223 χ^2/NDF: 5954608.4/47

All: 1719.935+/-0.160 χ^2/NDF: 13736472.6/9

- sign 1753.704+/-0.231 χ^2/NDF: 7740282.8/51

cor_asym_sam_26_dd_mean vs Slug



Right In: 82.493+/-53.285 χ^2/NDF: 25.6/22

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -11.435+/-49.525 χ^2/NDF: 30.8/28

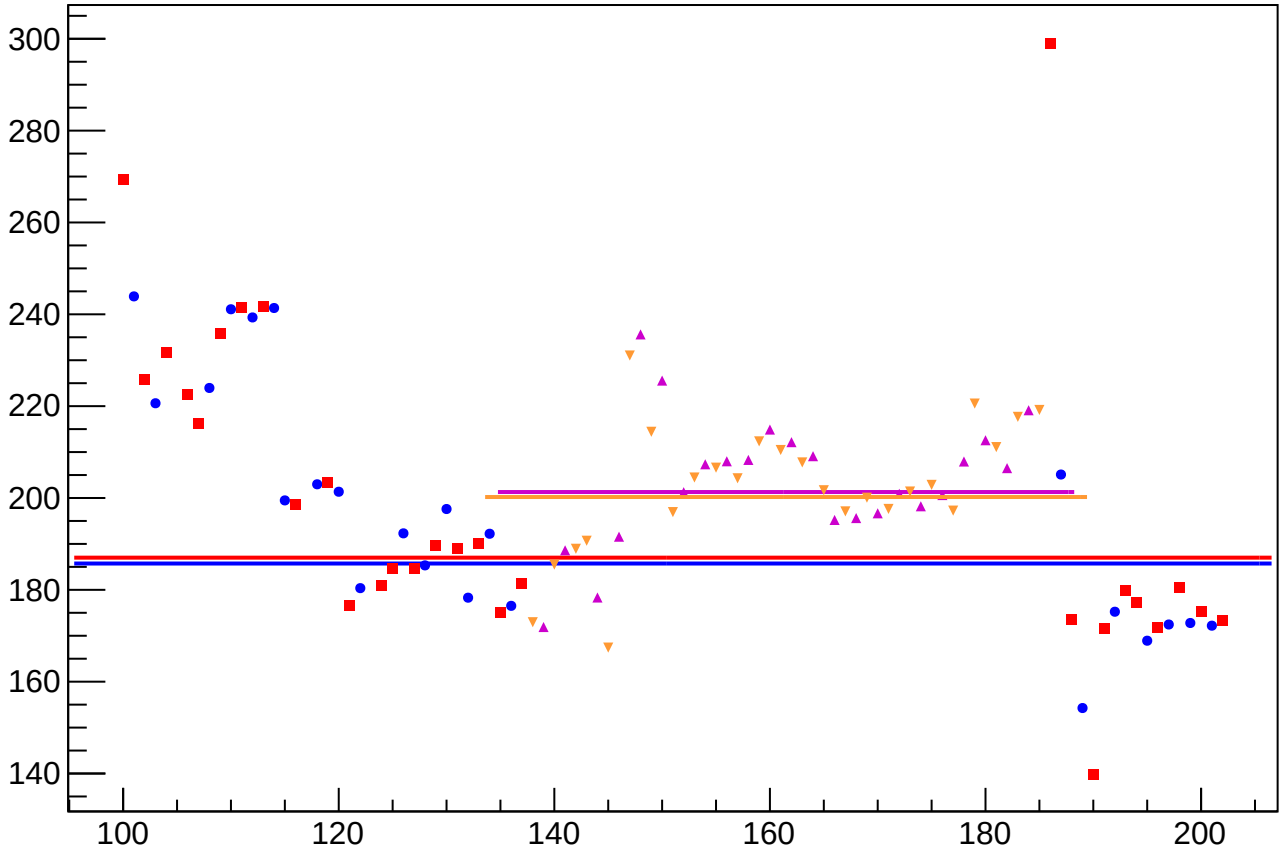
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -133.232+/-34.651 χ^2/NDF: 90.4/47

All: -9.850+/-24.322 χ^2/NDF: 181.4/99

- sign 109.967+/-34.147 χ^2/NDF: 66.0/51

cor_asym_sam_26_dd_rms vs Slug



Right In: 185.730+/-0.038 χ^2/NDF: 356266.9/22

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

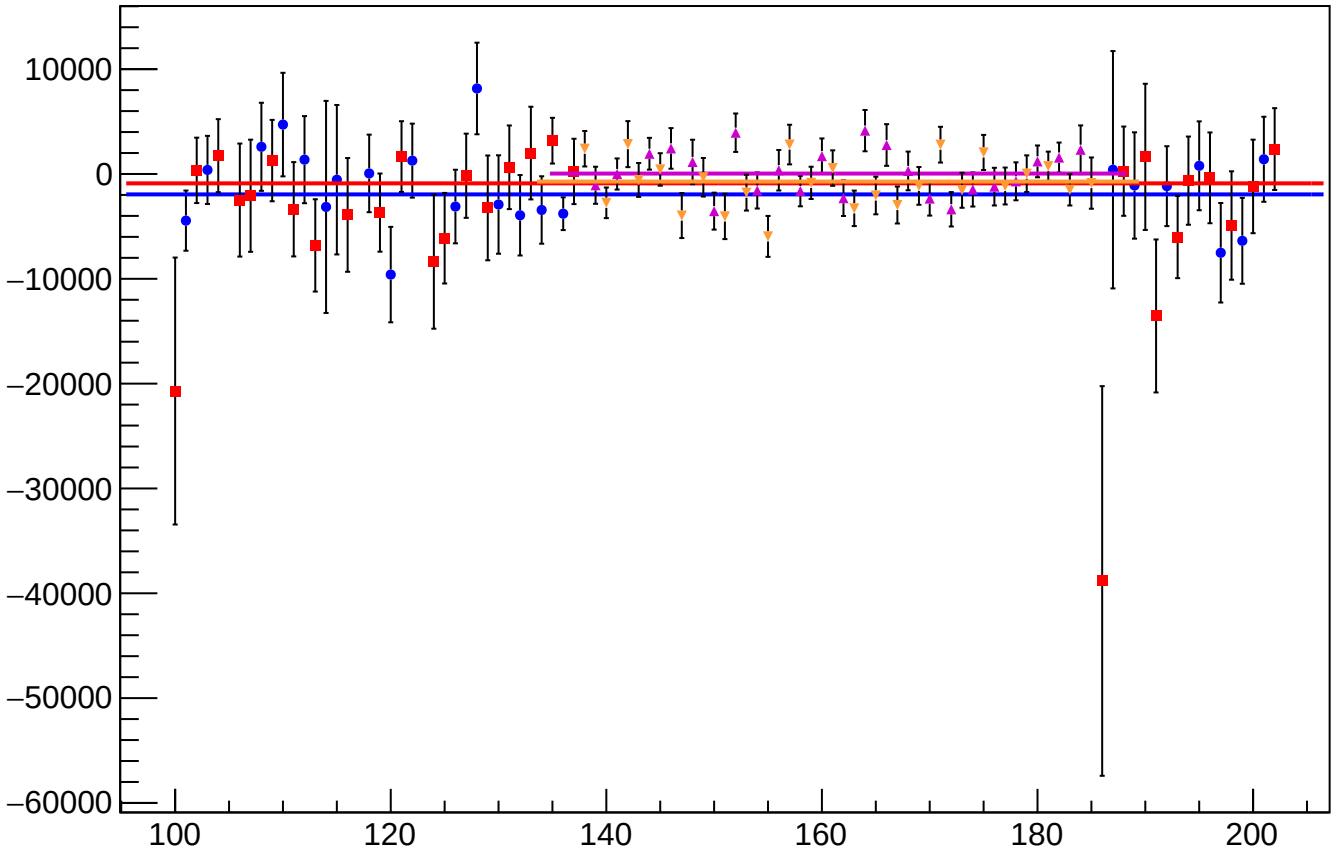
Right Out: 187.008+/-0.035 χ^2/NDF: 519637.4/28

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 194.086+/-0.025 χ^2/NDF: 645892.1/47

All: 194.298+/-0.017 χ^2/NDF: 1434661.8/99

\- sign 194.504+/-0.024 χ^2/NDF: 788622.1/51



Right In: -1946.995+/-769.046 χ^2/NDF: 20.0/22

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -894.814+/-777.429 χ^2/NDF: 24.8/28

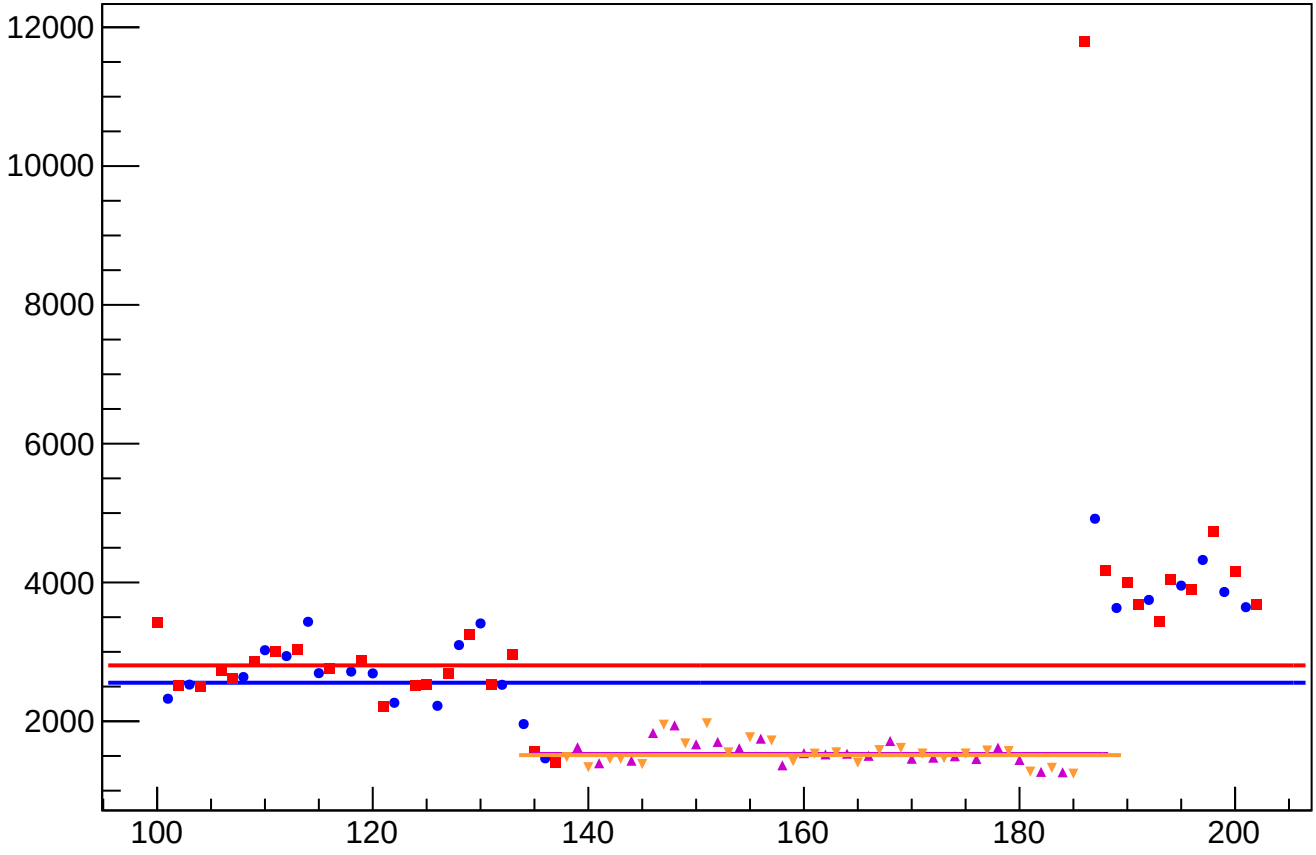
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

\+ sign -927.514+/-315.821 χ^2/NDF: 60.4/47

All: -539.186+/-226.875 χ^2/NDF: 124.0/99

\- sign -125.101+/-326.126 χ^2/NDF: 60.4/51

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2555.302+/-0.544 χ^2/NDF: 2454129.1/22

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2805.134+/-0.550 χ^2/NDF: 2888823.8/28

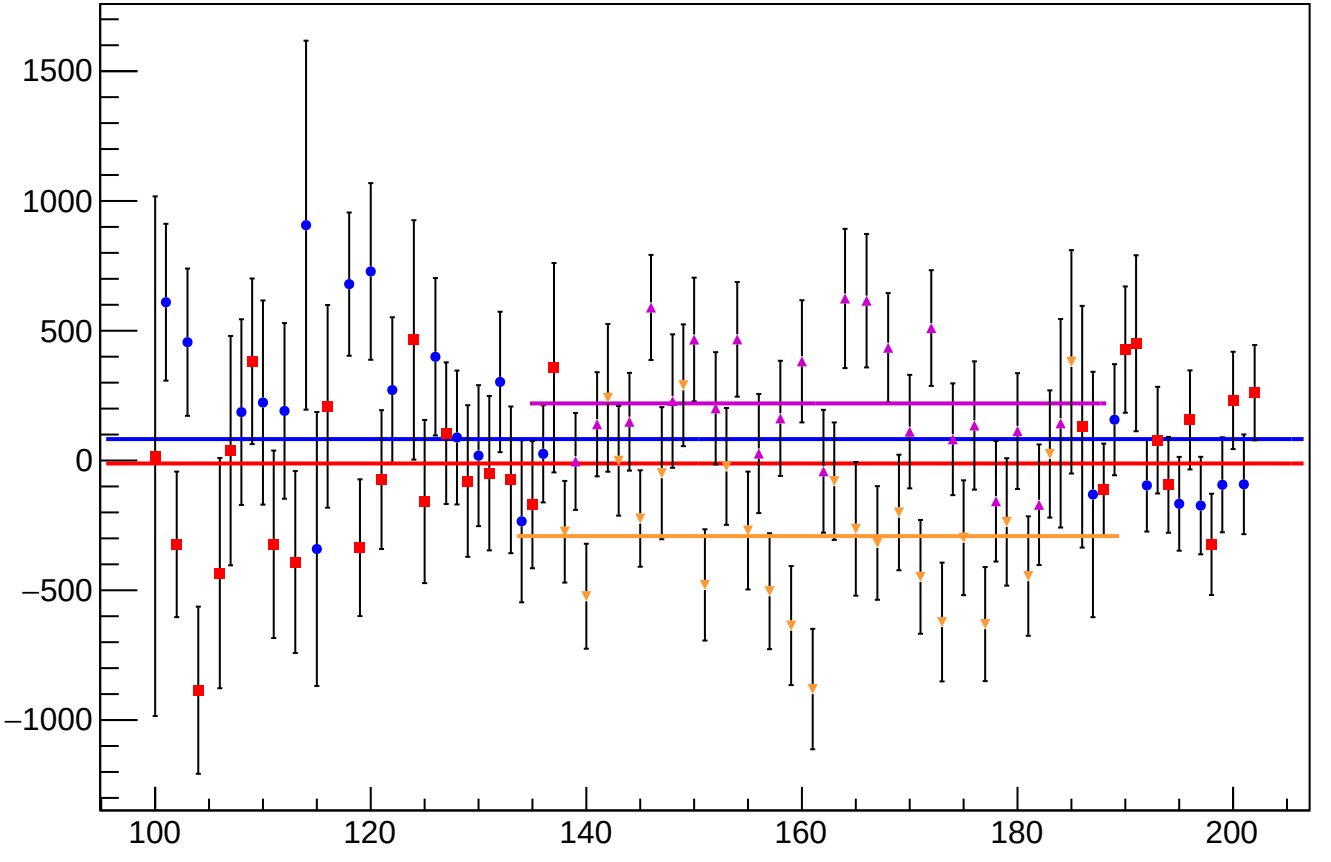
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1688.252+/-0.223 χ^2/NDF: 5954621.1/47

All: 1719.448+/-0.160 χ^2/NDF: 13705424.3/9

- sign 1752.713+/-0.231 χ^2/NDF: 7710480.9/51

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 82.493+/-53.285 χ^2/NDF: 25.6/22

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -11.435+/-49.525 χ^2/NDF: 30.8/28

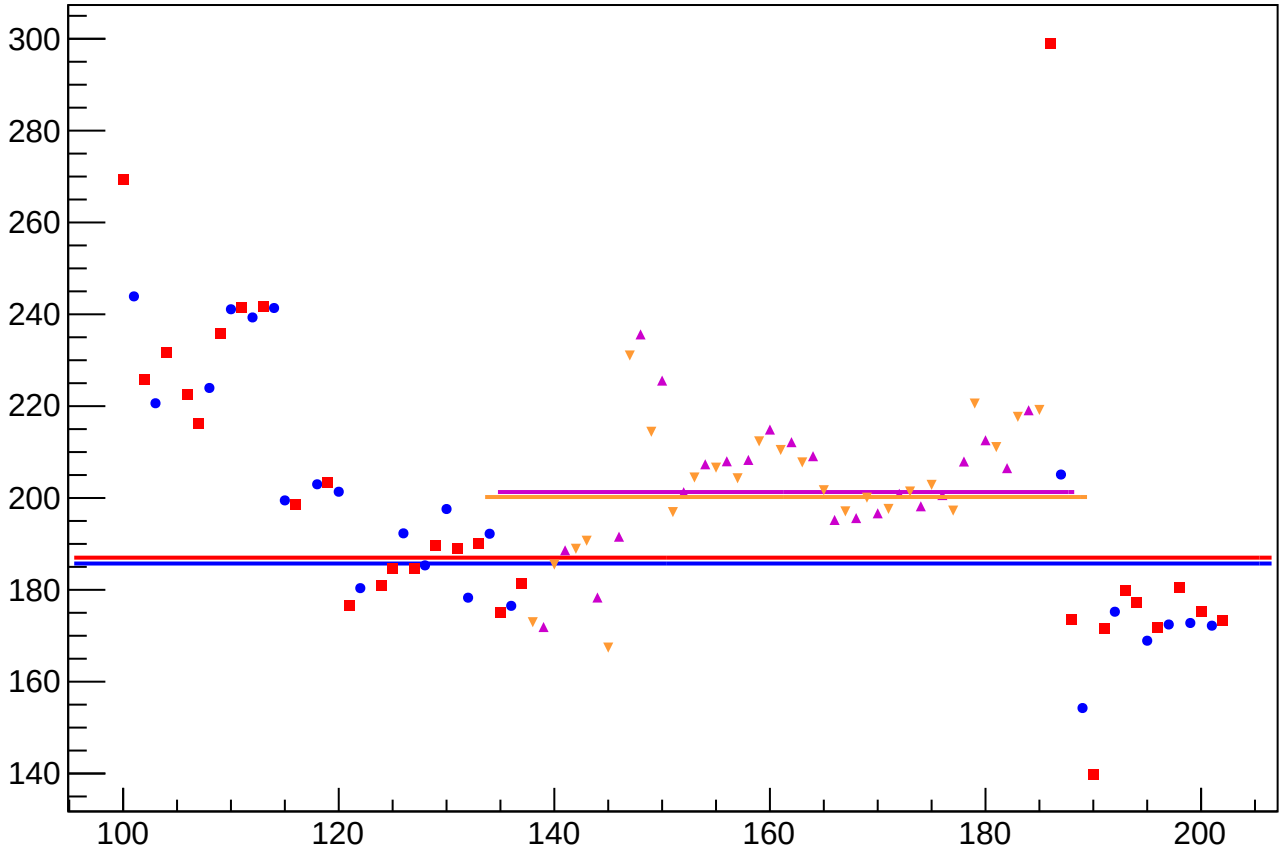
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -133.232+/-34.651 χ^2/NDF: 90.4/47

All: -9.850+/-24.322 χ^2/NDF: 181.4/99

- sign 109.967+/-34.147 χ^2/NDF: 66.0/51

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 185.730+/-0.038 χ^2/NDF: 356266.9/22

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

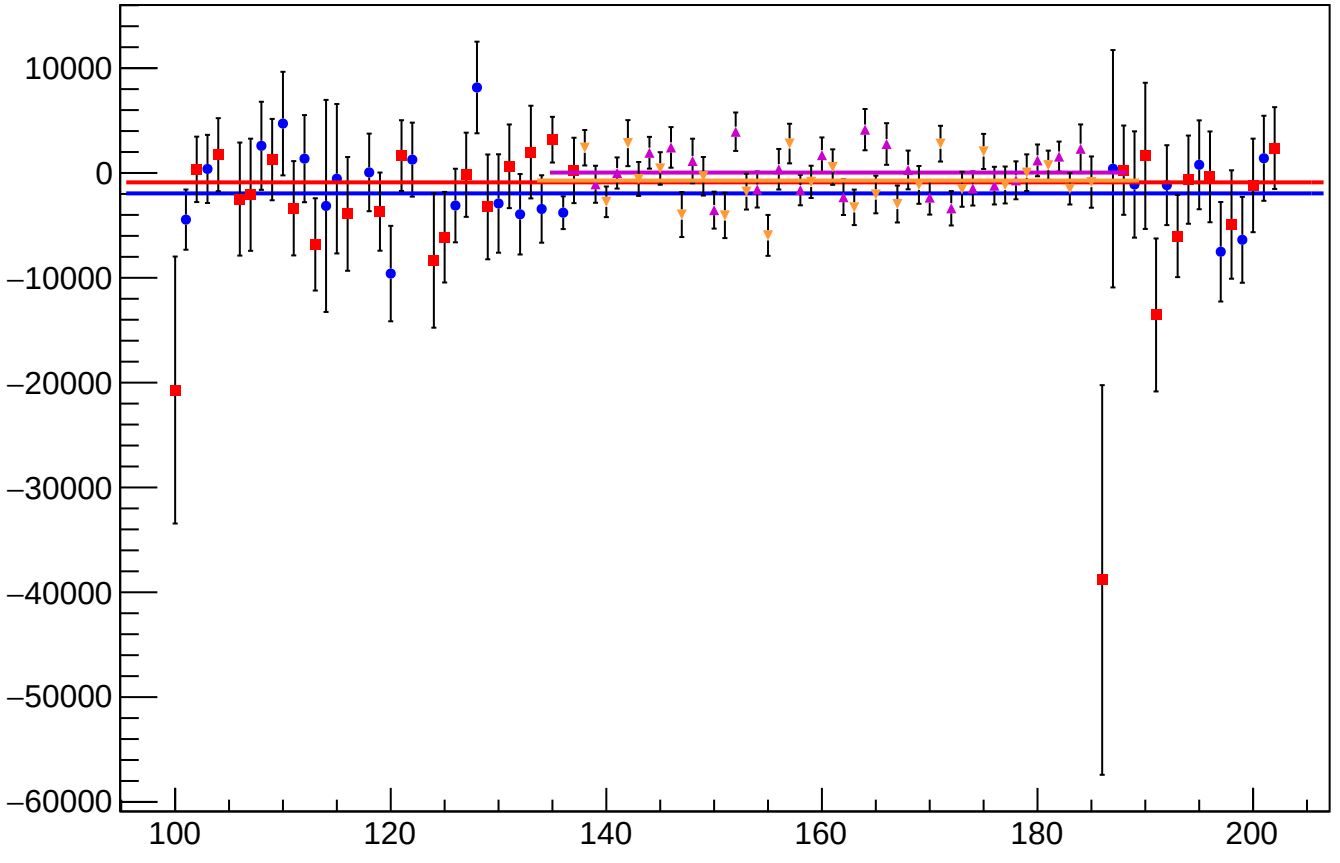
Right Out: 187.008+/-0.035 χ^2/NDF: 519637.4/28

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 194.086+/-0.025 χ^2/NDF: 645892.1/47

All: 194.298+/-0.017 χ^2/NDF: 1434661.8/99

\- sign 194.504+/-0.024 χ^2/NDF: 788622.1/51



Right In: -1946.995+/-769.046 χ^2/NDF: 20.0/22

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -894.814+/-777.429 χ^2/NDF: 24.8/28

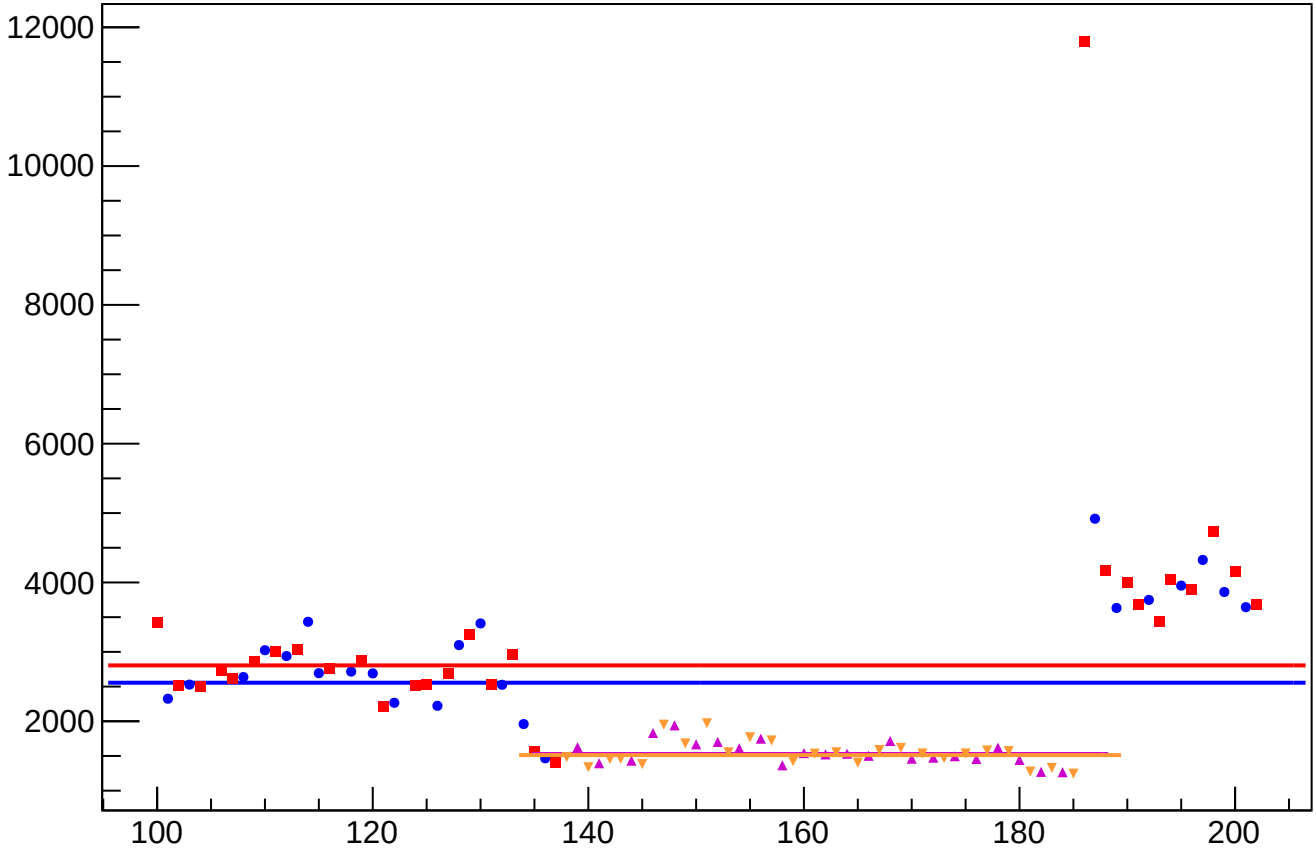
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -927.514+/-315.821 χ^2/NDF: 60.4/47

All: -539.186+/-226.875 χ^2/NDF: 124.0/99

- sign -125.101+/-326.126 χ^2/NDF: 60.4/51

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2555.302+/-0.544 χ^2/NDF: 2454129.1/22

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2805.134+/-0.550 χ^2/NDF: 2888823.8/28

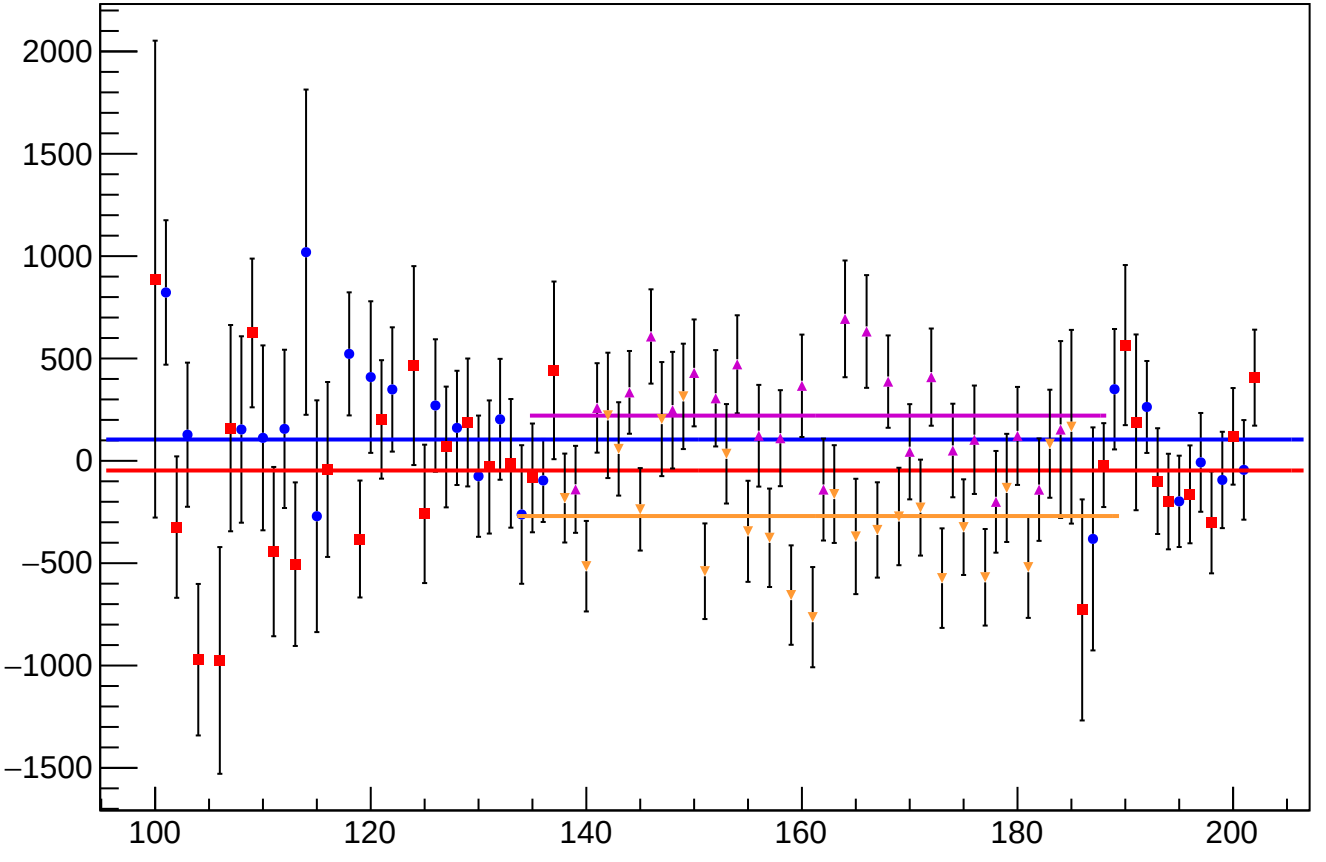
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1688.252+/-0.223 χ^2/NDF: 5954621.1/47

All: 1719.448+/-0.160 χ^2/NDF: 13705424.3/9

- sign 1752.713+/-0.231 χ^2/NDF: 7710480.9/51

dit_asym_sam_26_dd_mean vs Slug



Right In: 104.199+/-63.029 χ^2/NDF: 17.3/22

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -47.174+/-58.817 χ^2/NDF: 32.1/28

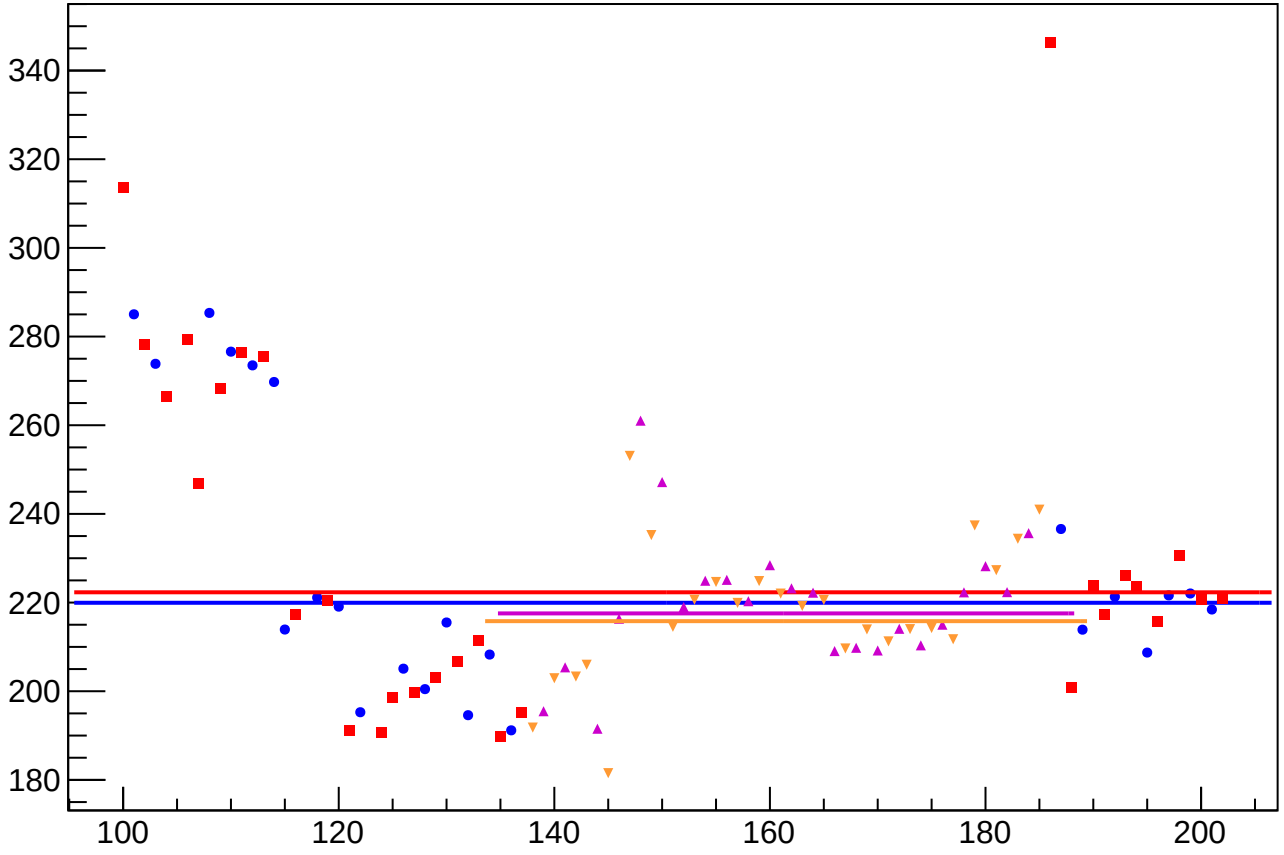
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -128.272+/-38.762 χ^2/NDF: 70.6/47

All: -10.390+/-27.321 χ^2/NDF: 156.4/99

- sign 105.979+/-38.513 χ^2/NDF: 67.4/51

dit_asym_sam_26_dd_rms vs Slug



Right In: 219.952+/-0.045 χ^2/NDF: 327301.4/22

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

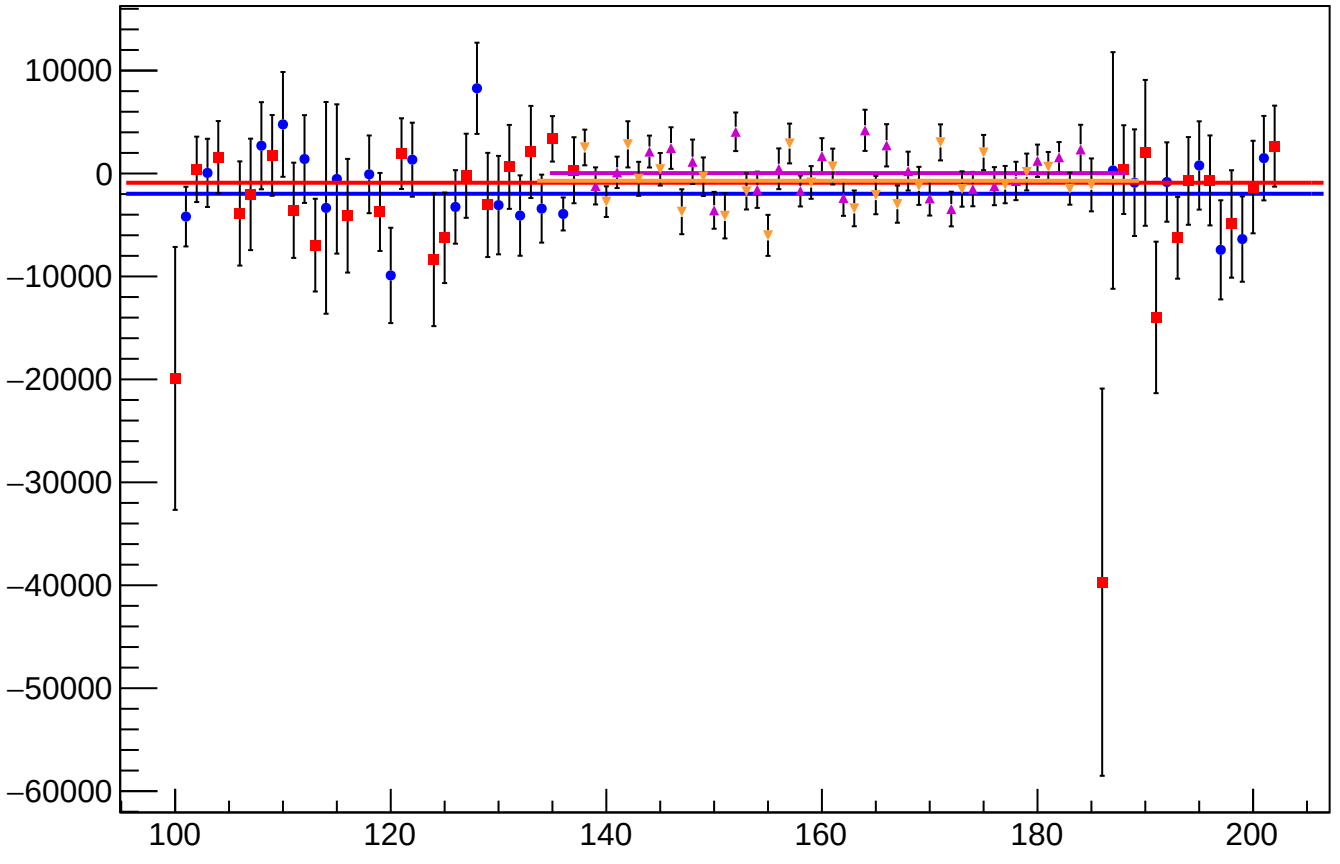
Right Out: 222.315+/-0.042 χ^2/NDF: 459209.0/28

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.375+/-0.027 χ^2/NDF: 521380.9/47

All: 218.492+/-0.019 χ^2/NDF: 1152445.3/99

- sign 219.596+/-0.027 χ^2/NDF: 627759.6/51



Right In: -1968.914+/-783.626 χ^2/NDF: 19.9/22

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -898.388+/-787.684 χ^2/NDF: 25.9/28

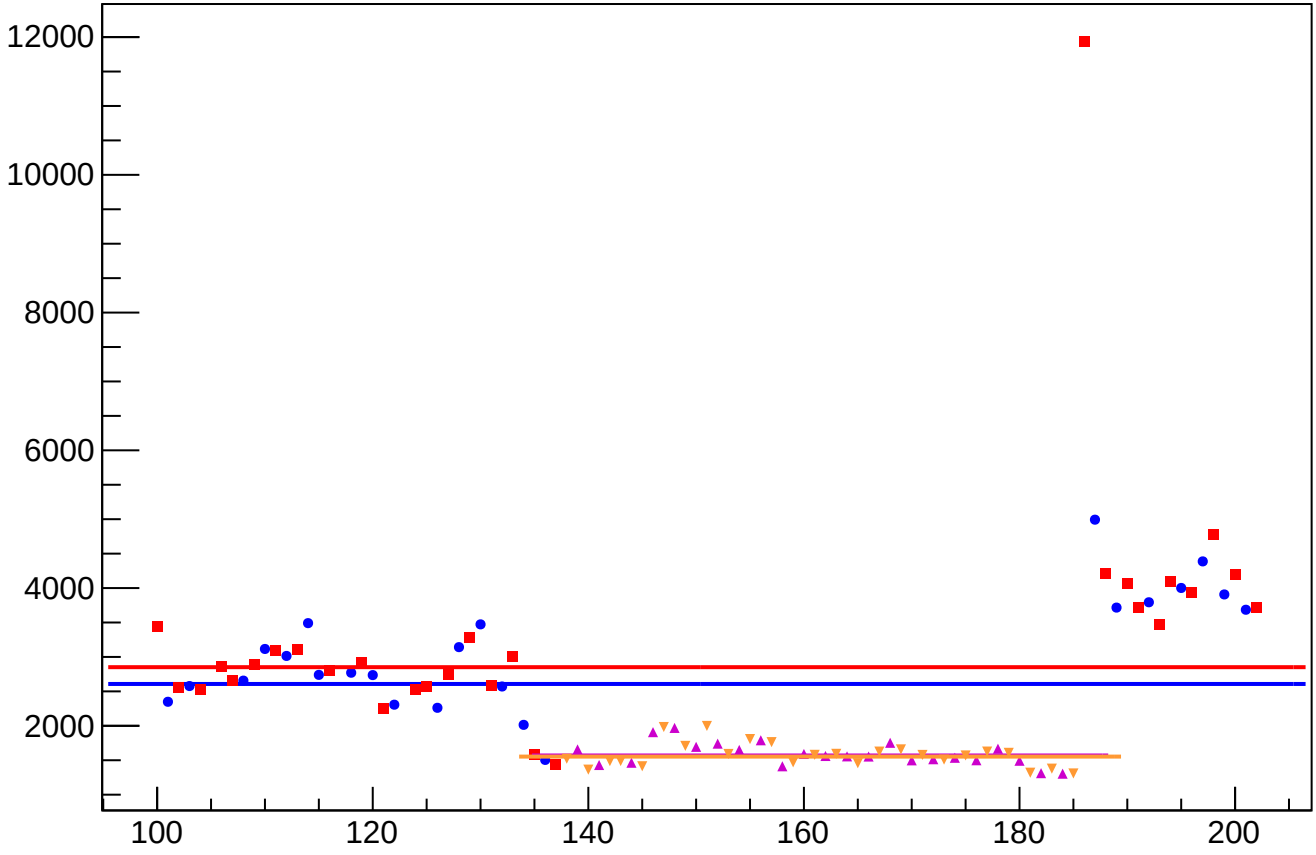
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -919.868+/-323.714 χ^2/NDF: 59.6/47

All: -536.896+/-232.471 χ^2/NDF: 123.9/99

- sign -129.060+/-334.057 χ^2/NDF: 61.3/51

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2607.577+/-0.554 χ^2/NDF: 2398969.4/22

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2851.352+/-0.557 χ^2/NDF: 2847793.3/28

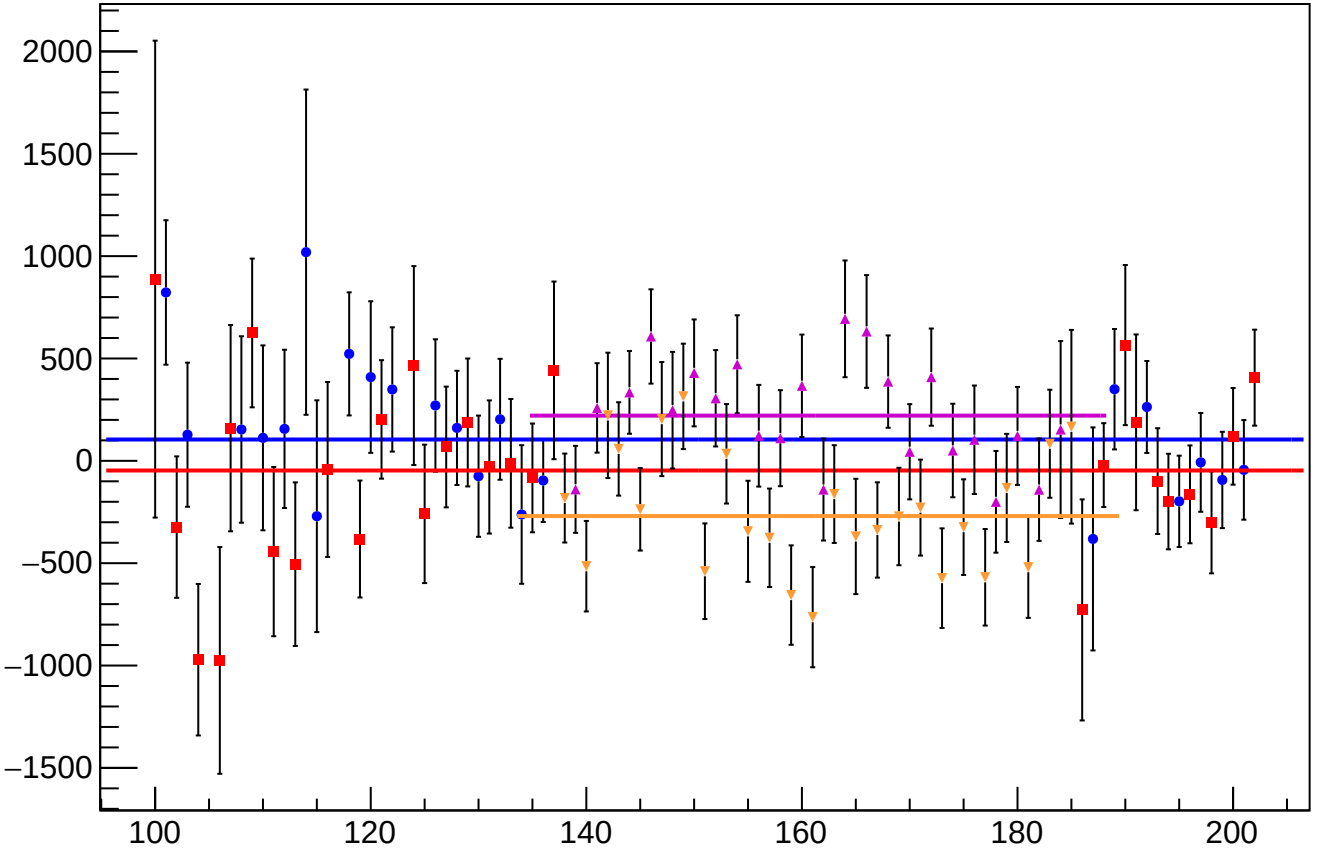
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1732.980+/-0.229 χ^2/NDF: 5812840.4/47

All: 1765.417+/-0.164 χ^2/NDF: 13404363.6/9

- sign 1799.960+/-0.236 χ^2/NDF: 7550056.9/51

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 104.201+/-63.029 χ^2/NDF: 17.3/22

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -47.175+/-58.817 χ^2/NDF: 32.1/28

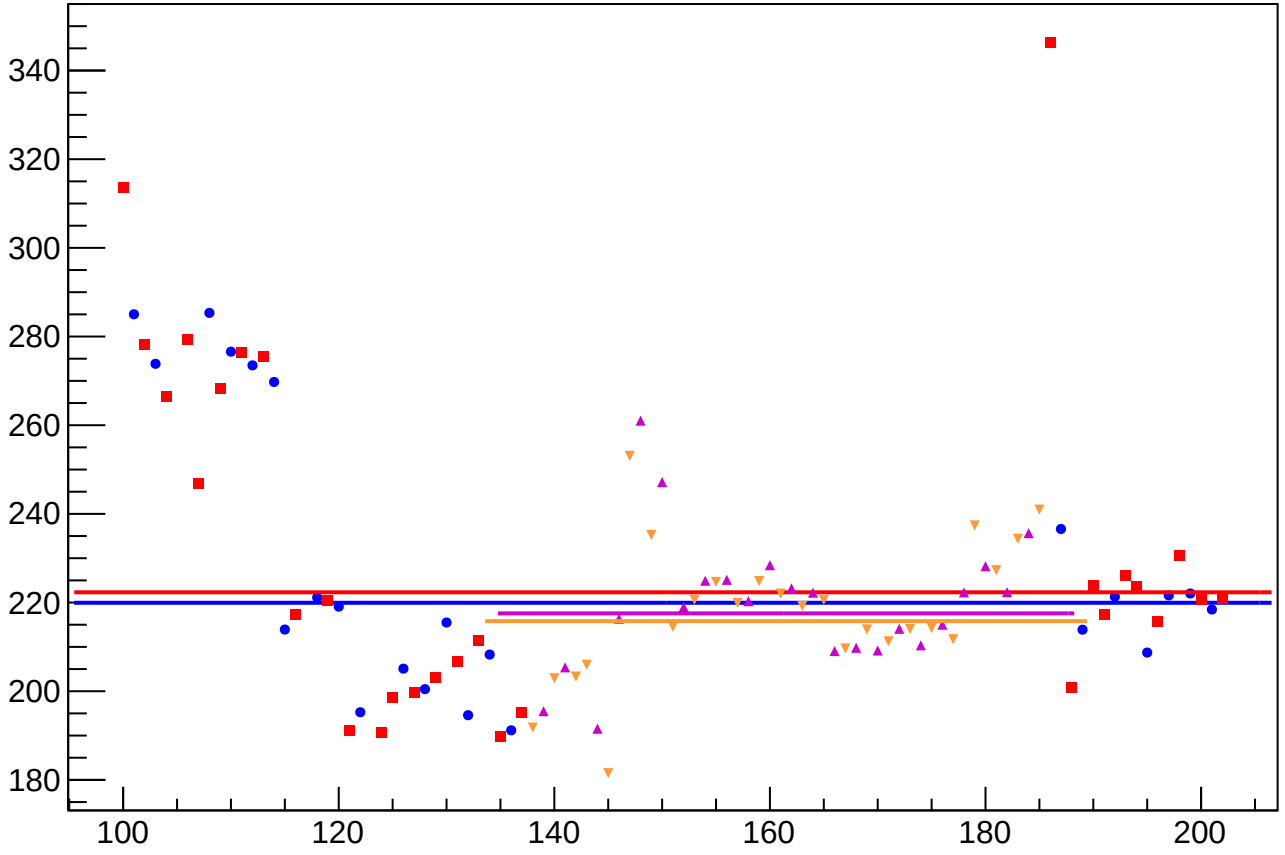
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

\+ sign -128.272+/-38.762 χ^2/NDF: 70.6/47

All: -10.390+/-27.320 χ^2/NDF: 156.4/99

\- sign 105.979+/-38.513 χ^2/NDF: 67.4/51

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 219.952+/-0.045 χ^2/NDF: 327295.0/22

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

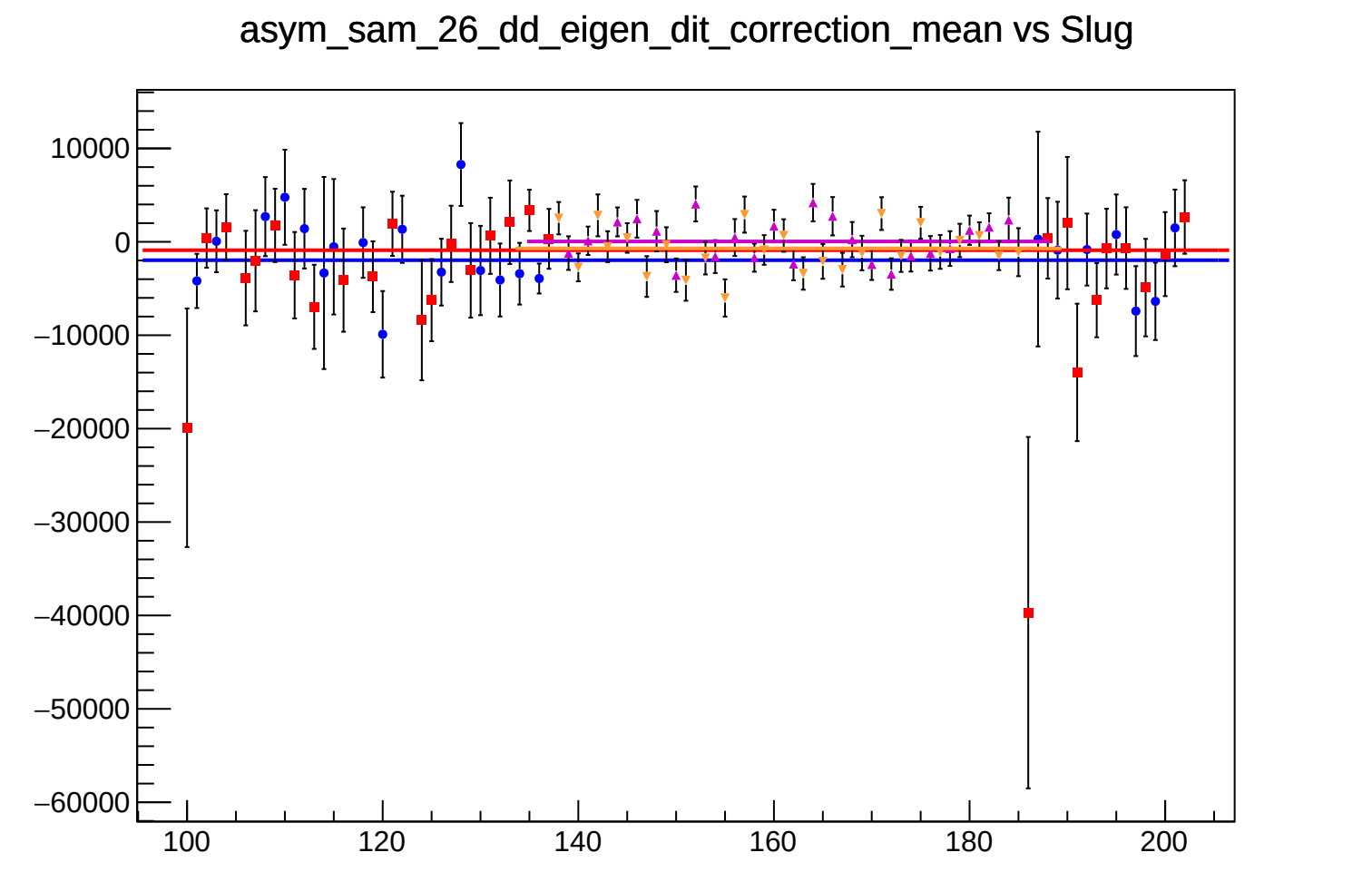
Right Out: 222.315+/-0.042 χ^2/NDF: 459194.0/28

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

\+ sign 217.374+/-0.027 χ^2/NDF: 521376.9/47

All: 218.492+/-0.019 χ^2/NDF: 1152428.0/99

\- sign 219.595+/-0.027 χ^2/NDF: 627746.2/51



Right In: -1968.910+/-783.625 χ^2/NDF: 19.9/22

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

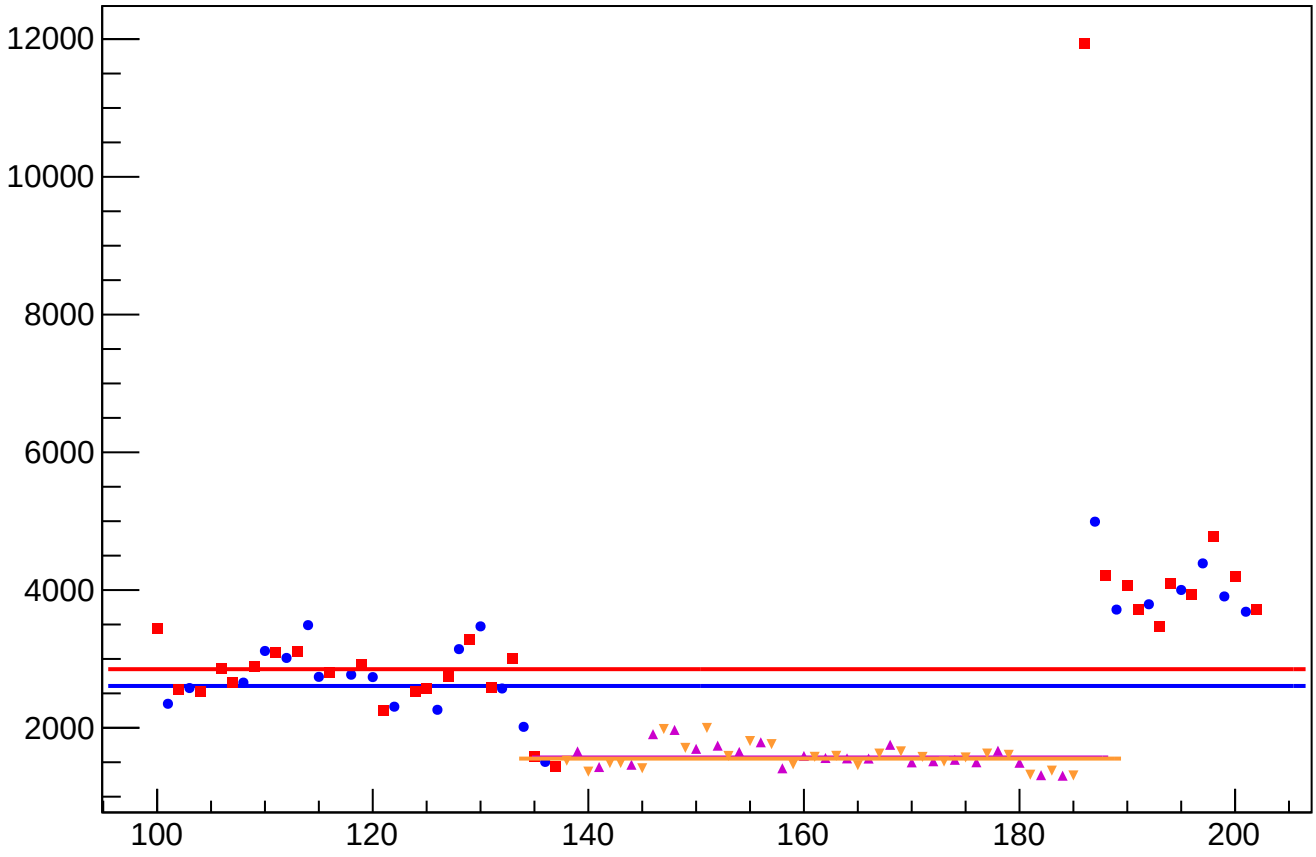
Right Out: -898.389+/-787.683 χ^2/NDF: 25.9/28

Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -919.868+/-323.714 χ^2/NDF: 59.6/47

All: -536.896+/-232.471 χ^2/NDF: 123.9/99

- sign -129.062+/-334.057 χ^2/NDF: 61.3/51



Right In: 2607.574+/-0.554 χ^2/NDF: 2398964.2/22

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2851.349+/-0.557 χ^2/NDF: 2847795.6/28

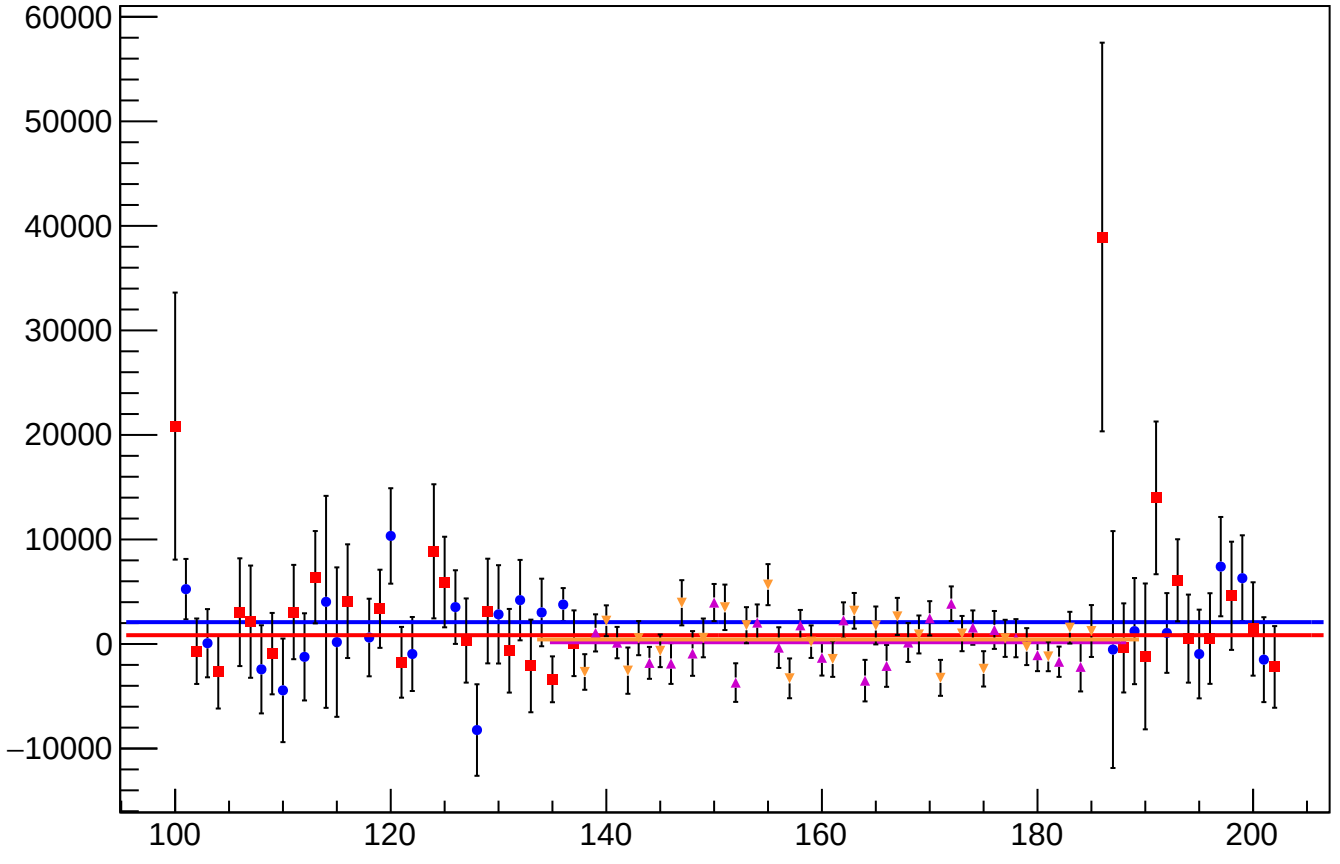
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1732.980+/-0.229 χ^2/NDF: 5812824.4/47

All: 1765.417+/-0.164 χ^2/NDF: 13404335.7/9

- sign 1799.960+/-0.236 χ^2/NDF: 7550045.5/51

asym_sam_26_dd_mean vs Slug



Right In: 2089.774+/-772.210 χ^2/NDF: 20.4/22

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 842.493+/-779.167 χ^2/NDF: 25.4/28

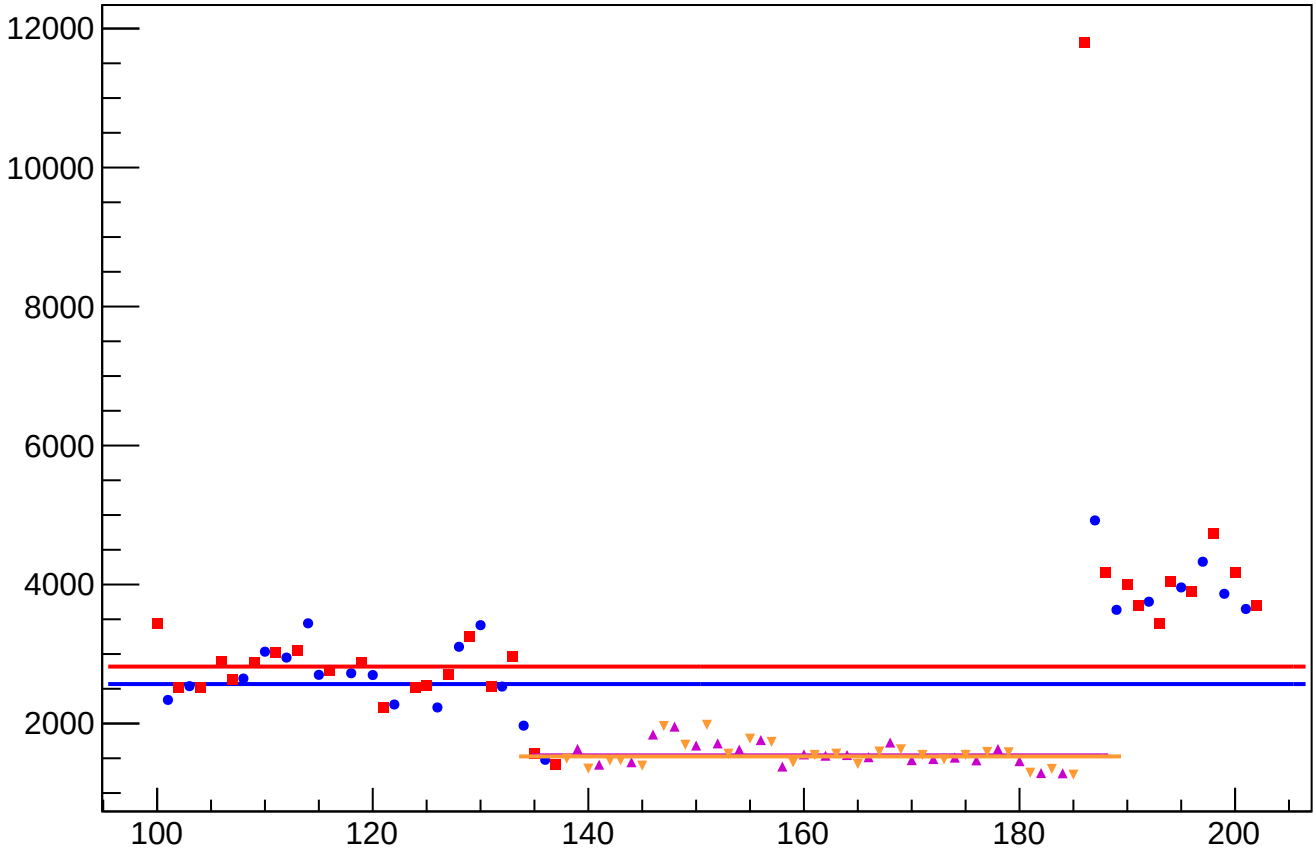
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 718.541+/-318.468 χ^2/NDF: 63.0/47

All: 510.829+/-228.725 χ^2/NDF: 123.0/99

- sign 289.545+/-328.708 χ^2/NDF: 59.0/51

asym_sam_26_dd_rms vs Slug



Right In: 2567.880+/-0.546 χ^2/NDF: 2420274.8/22

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

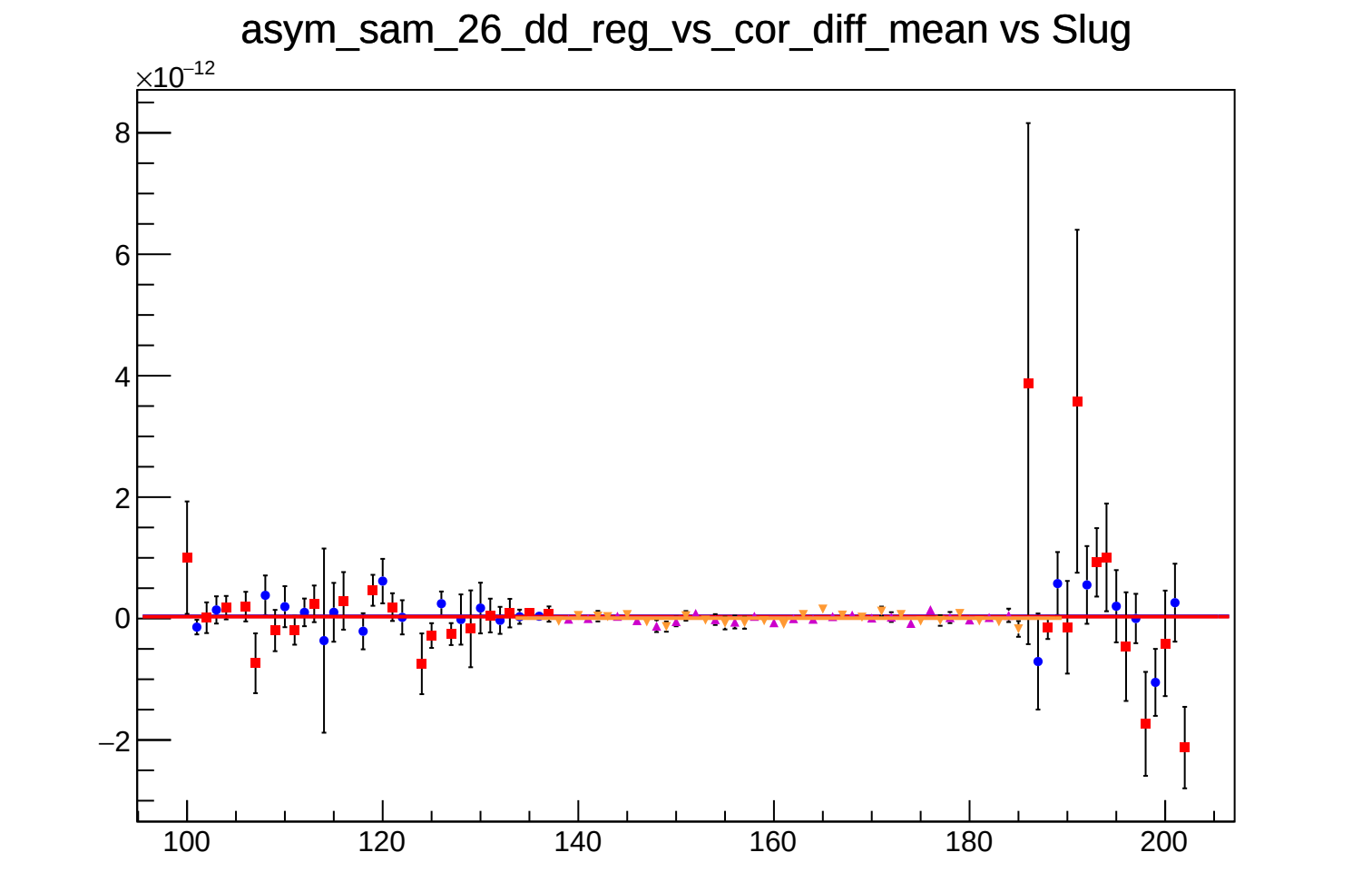
Right Out: 2819.392+/-0.551 χ^2/NDF: 2857748.6/28

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1703.808+/-0.225 χ^2/NDF: 5867079.4/47

All: 1735.644+/-0.162 χ^2/NDF: 13545361.0/9

- sign 1769.560+/-0.232 χ^2/NDF: 7637003.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

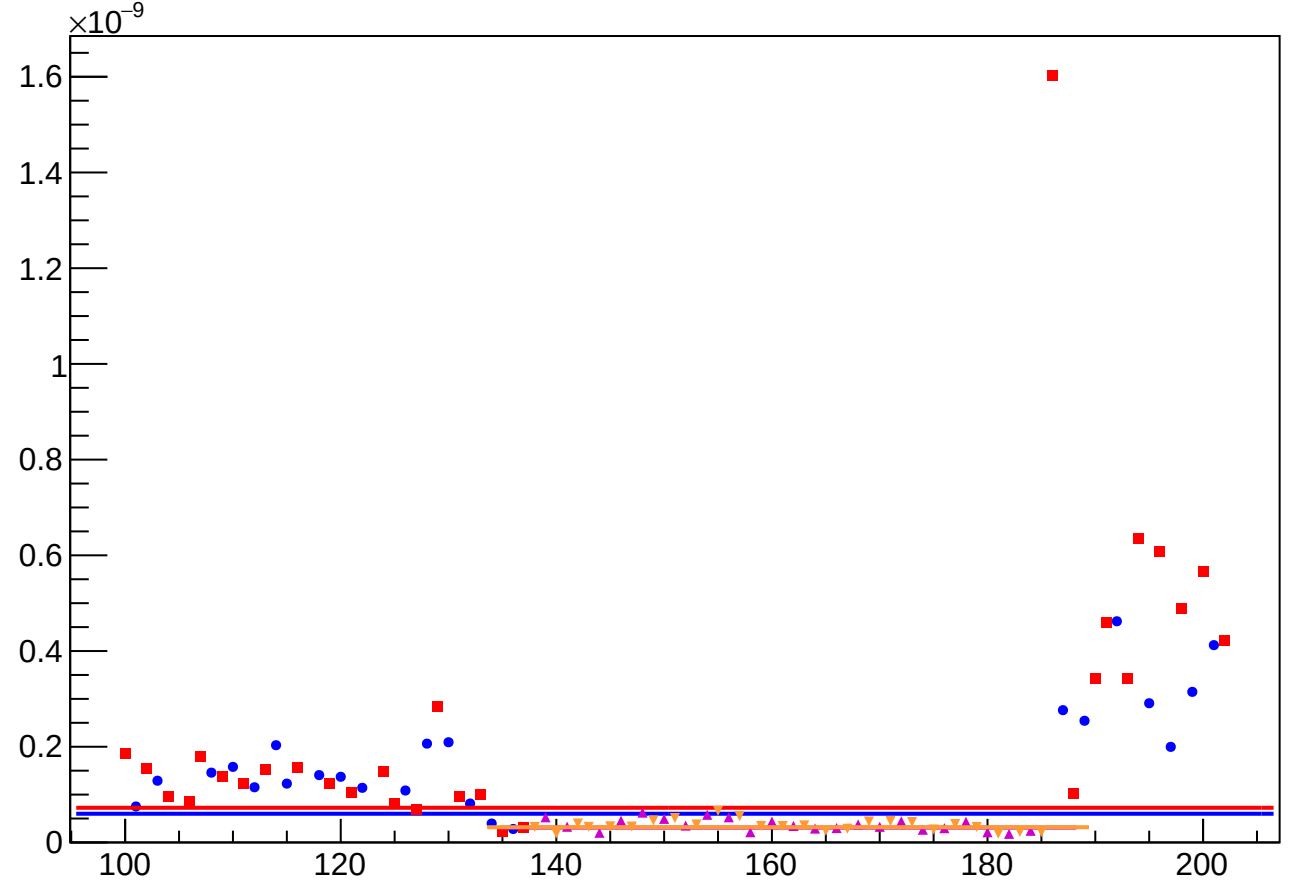
Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/28

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.6/47

All: 0.000+/-0.000 χ^2/NDF: 104.5/99

- sign 0.000+/-0.000 χ^2/NDF: 57.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 5435869.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6775802.0/28

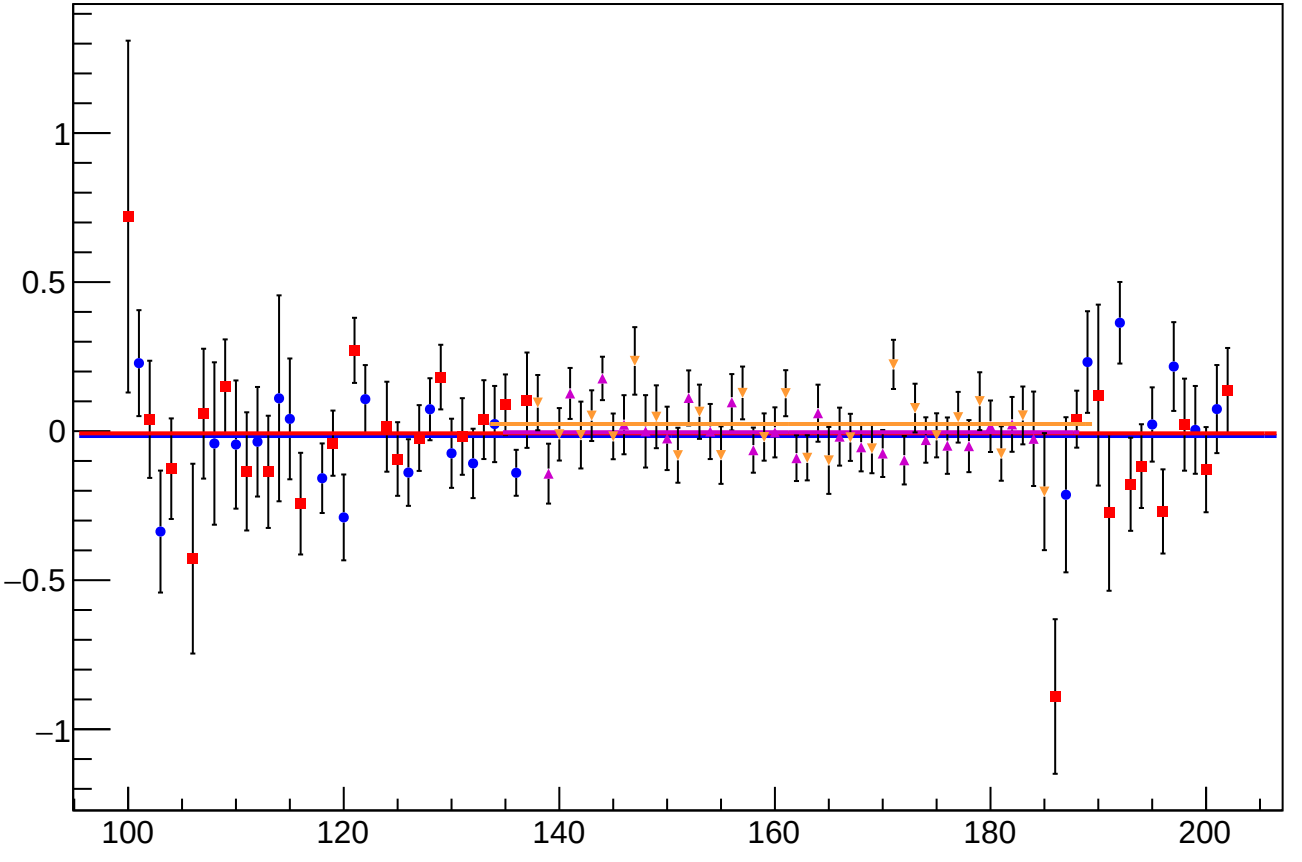
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7775067.6/47

All: 0.000+/-0.000 χ^2/NDF: 17950026.4/99

- sign 0.000+/-0.000 χ^2/NDF: 10174470.7/51

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.029 χ^2/NDF: 29.7/22

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.007+/-0.027 χ^2/NDF: 39.4/28

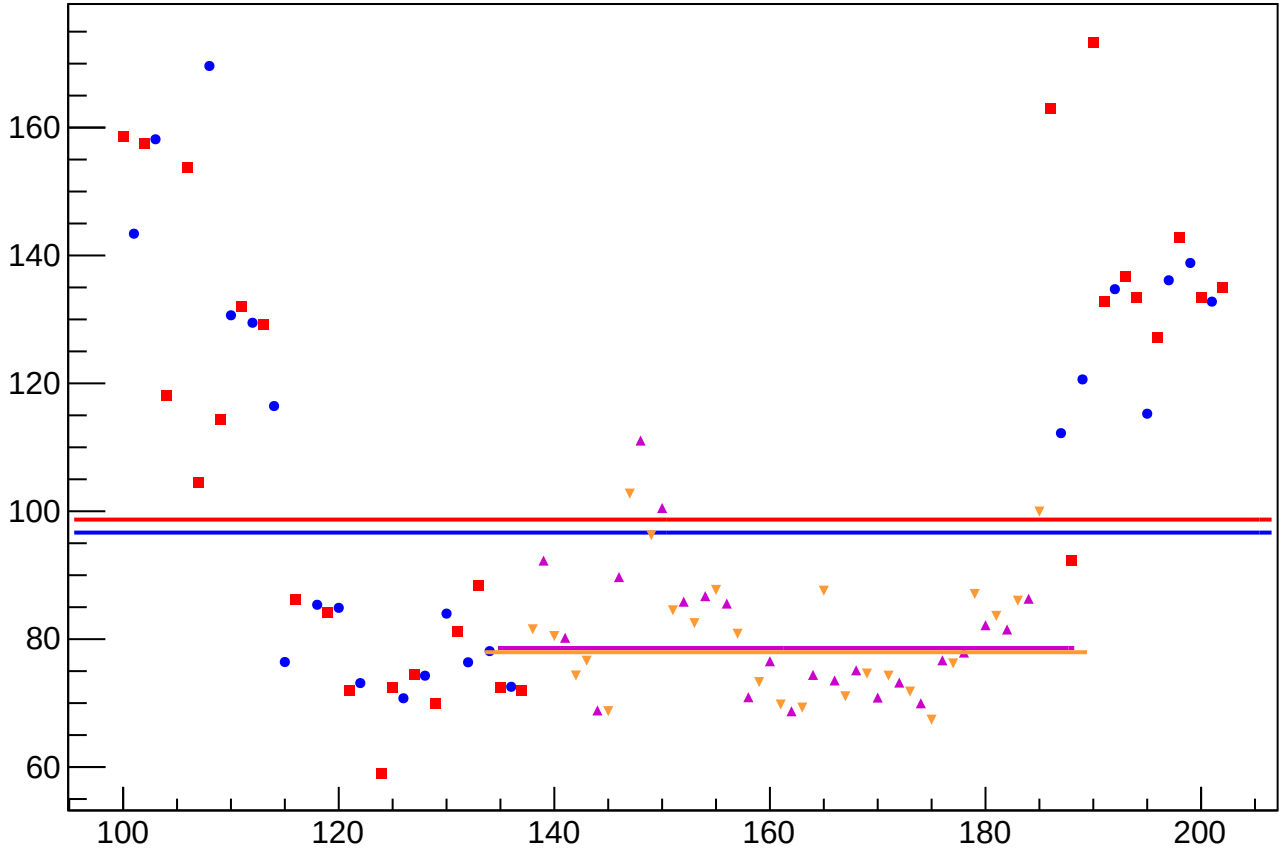
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.015 χ^2/NDF: 56.6/47

All: 0.004+/-0.011 χ^2/NDF: 115.5/99

- sign -0.005+/-0.015 χ^2/NDF: 58.2/51

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 96.663+/-0.020 χ^2/NDF: 1911733.7/22

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

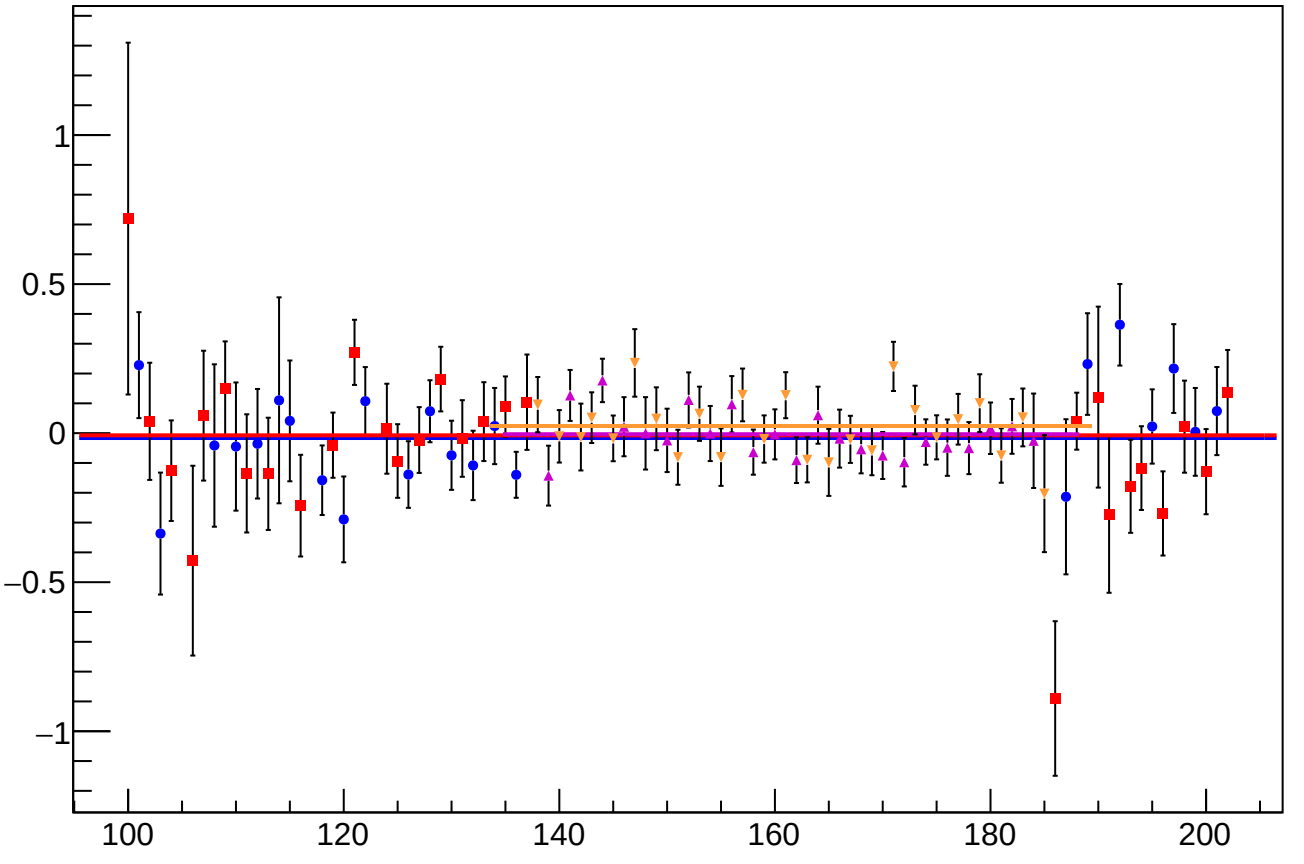
Right Out: 98.699+/-0.019 χ^2/NDF: 2302378.9/28

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 83.150+/-0.011 χ^2/NDF: 2960776.1/47

All: 84.064+/-0.008 χ^2/NDF: 6519314.9/99

- sign 84.996+/-0.011 χ^2/NDF: 3543897.1/51



Right In: -0.016+/-0.029 χ^2/NDF: 29.7/22

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

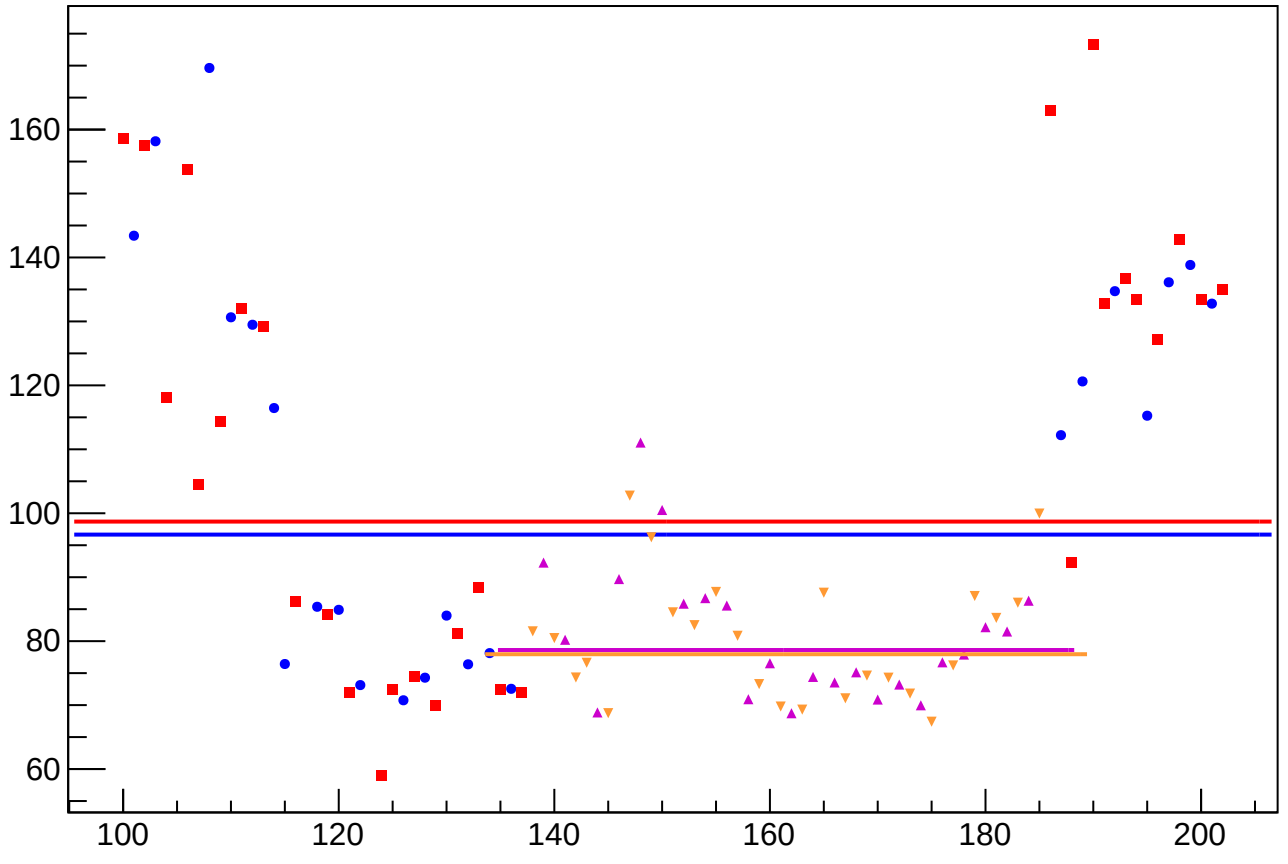
Right Out: -0.007+/-0.027 χ^2/NDF: 39.4/28

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.015 χ^2/NDF: 56.6/47

All: 0.004+/-0.011 χ^2/NDF: 115.5/99

- sign -0.005+/-0.015 χ^2/NDF: 58.2/51



Right In: 96.663+/-0.020 χ^2/NDF: 1911733.7/22

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

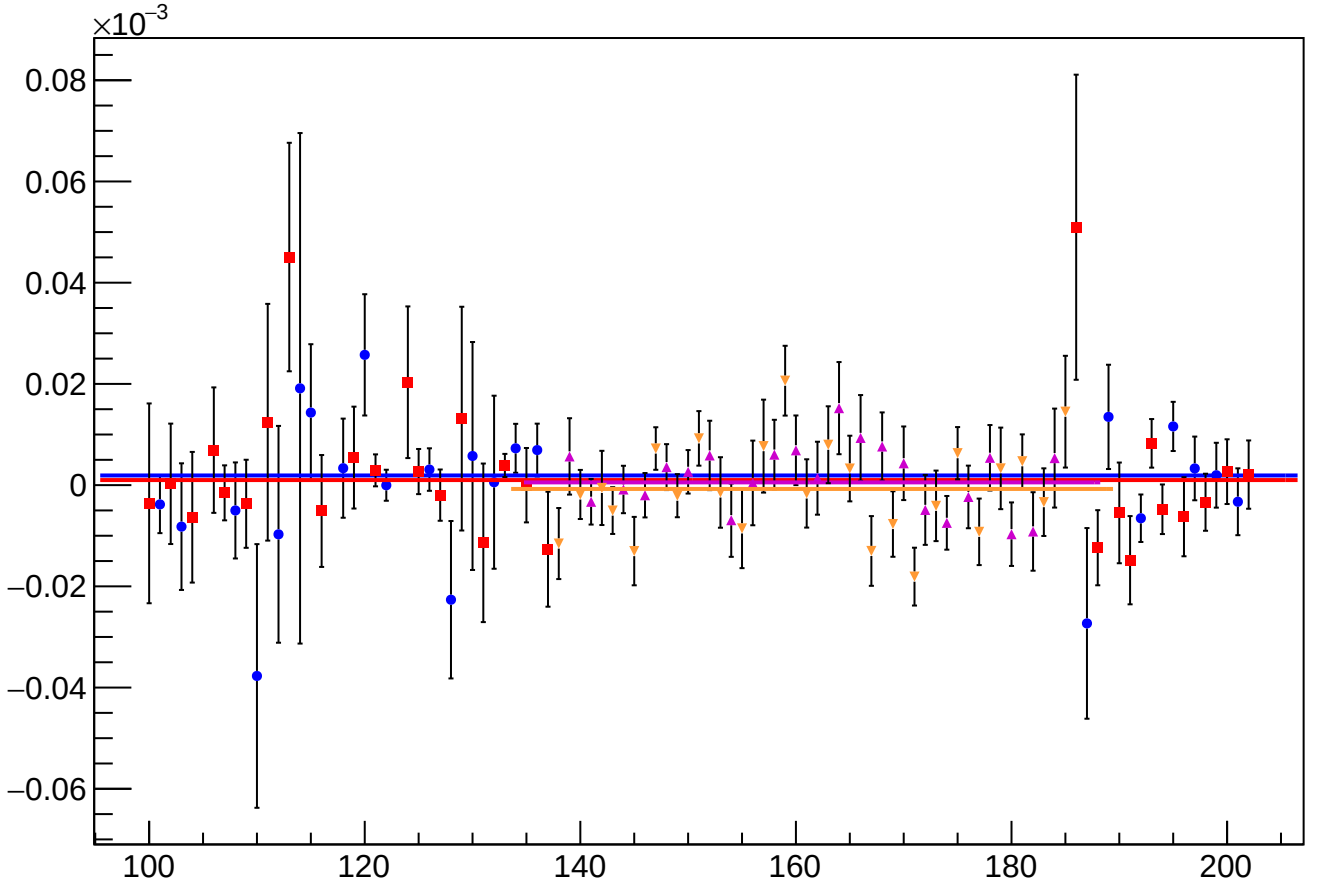
Right Out: 98.699+/-0.019 χ^2/NDF: 2302378.9/28

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 83.150+/-0.011 χ^2/NDF: 2960776.1/47

All: 84.064+/-0.008 χ^2/NDF: 6519314.9/99

- sign 84.996+/-0.011 χ^2/NDF: 3543897.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

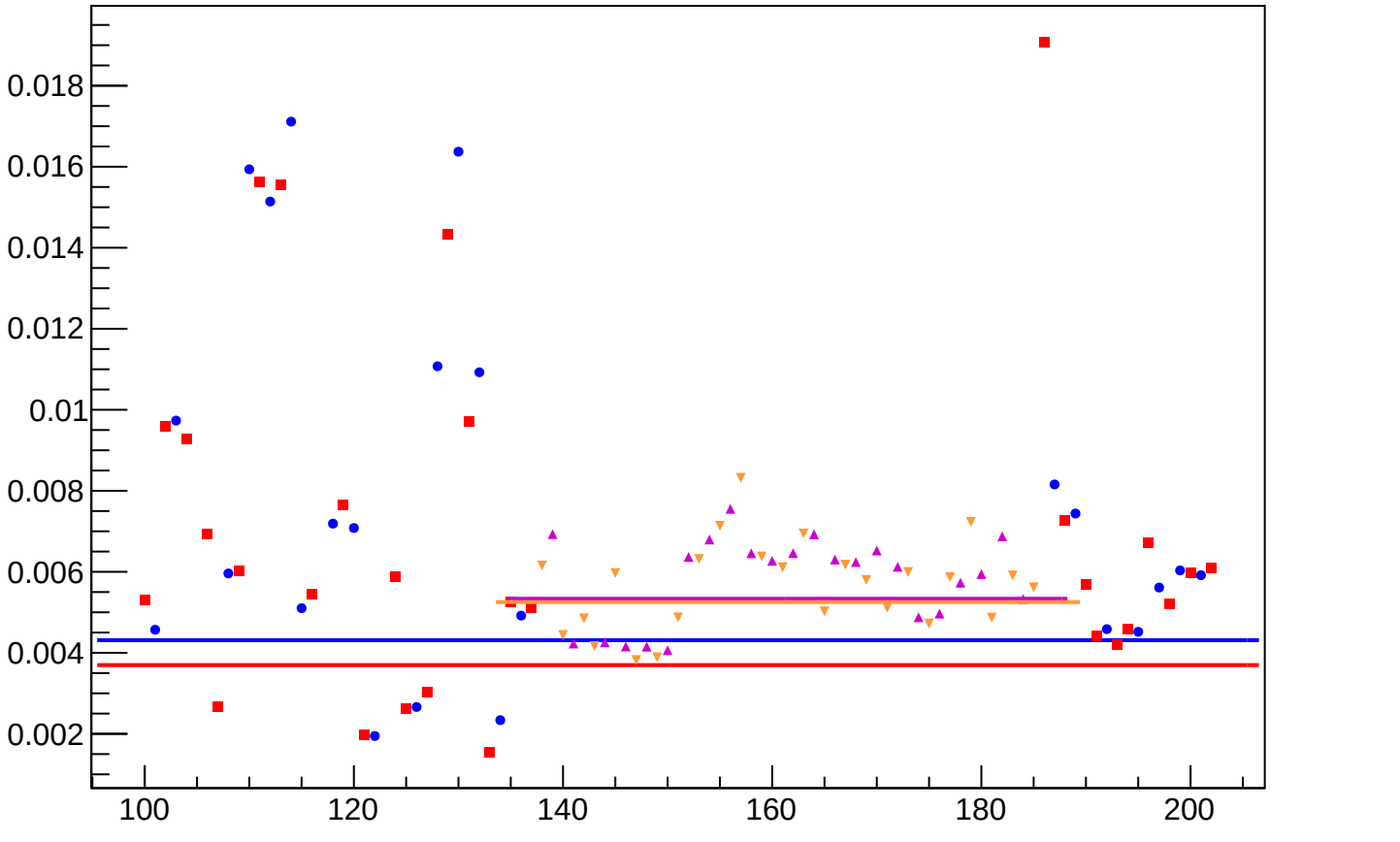
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/28

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.1/47

All: 0.000+/-0.000 χ^2/NDF: 122.0/99

- sign 0.000+/-0.000 χ^2/NDF: 45.8/51



Right In: 0.004+/-0.000 χ^2/NDF: 5502896.6/22

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

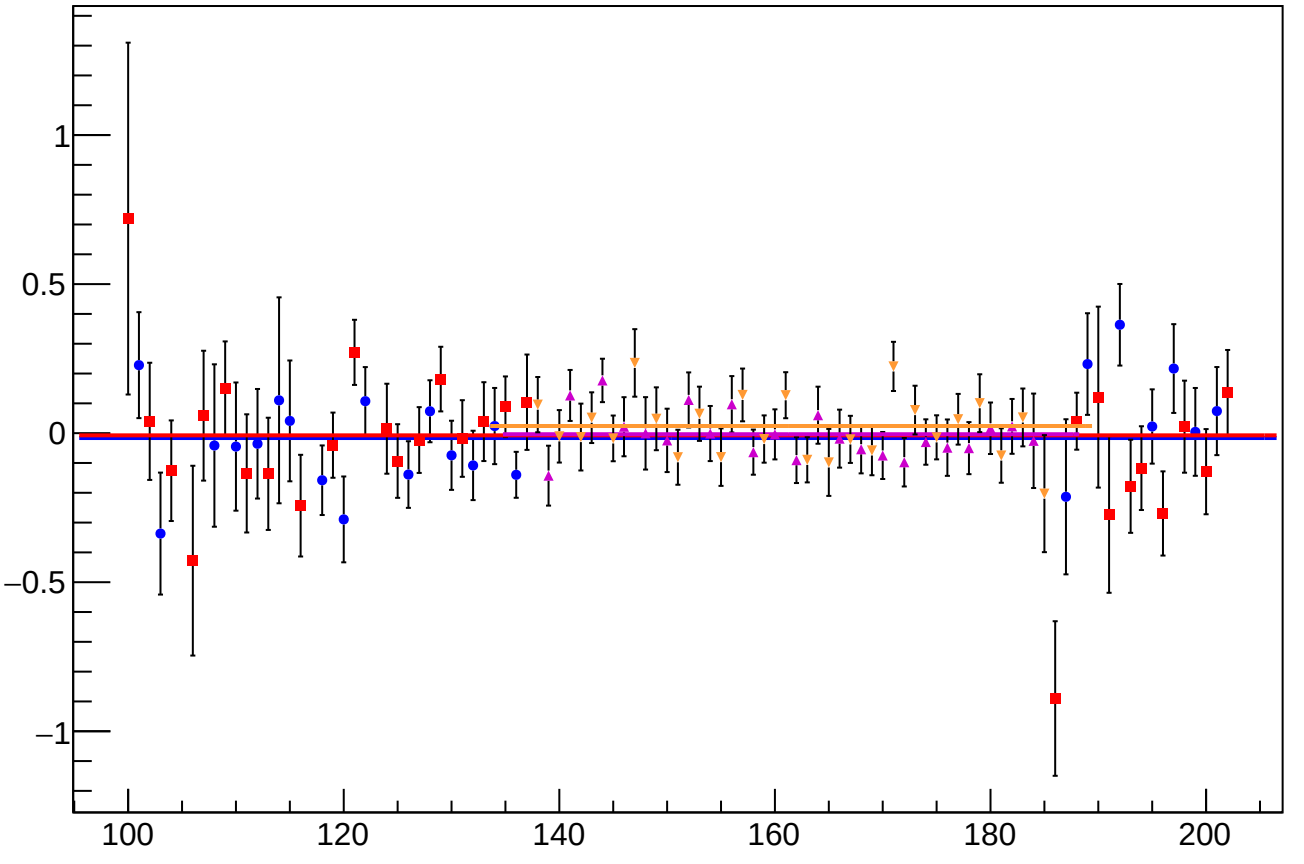
Right Out: 0.004+/-0.000 χ^2/NDF: 8211543.5/28

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7520660.9/47

All: 0.005+/-0.000 χ^2/NDF: 19229239.6/99

- sign 0.004+/-0.000 χ^2/NDF: 11501806.7/51



Right In: -0.016+/-0.029 χ^2/NDF: 29.7/22

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

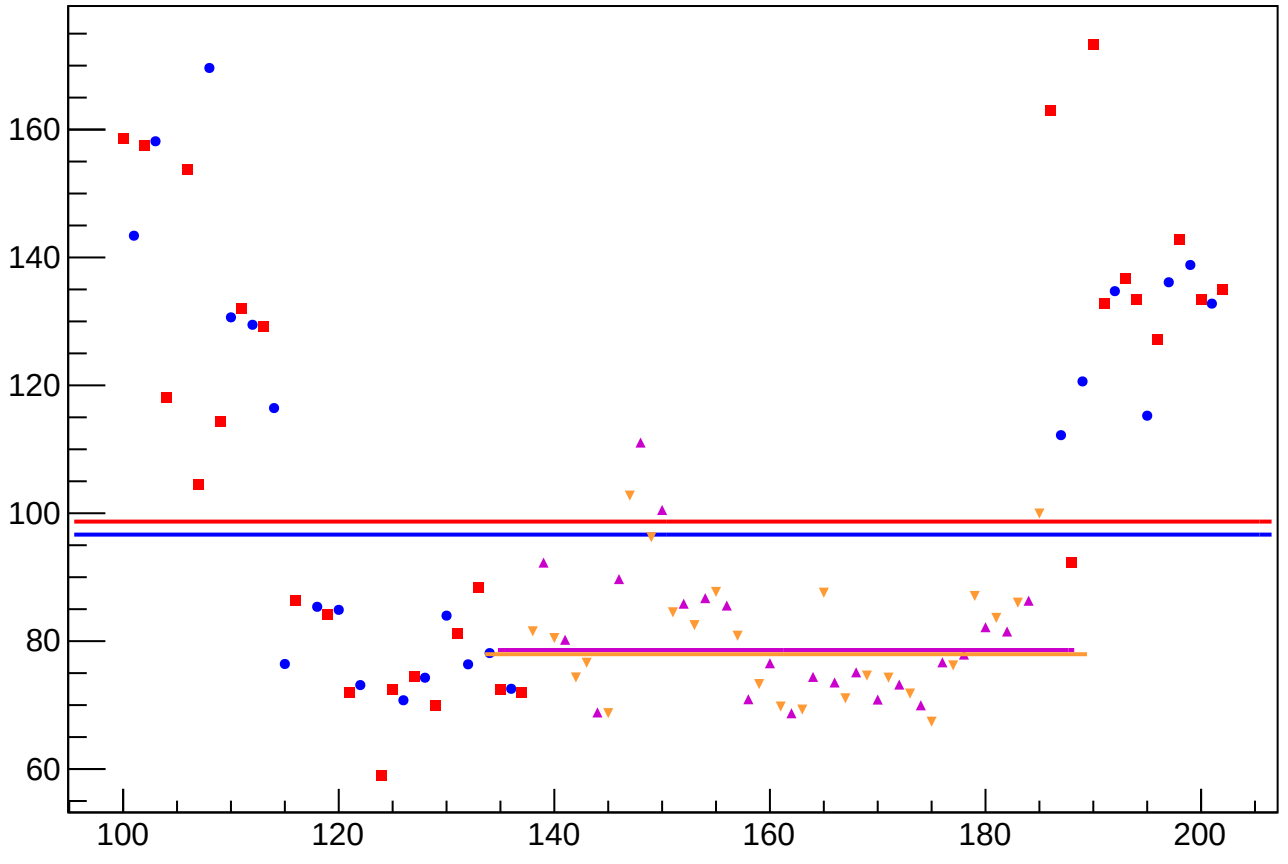
Right Out: -0.007+/-0.027 χ^2/NDF: 39.4/28

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.015 χ^2/NDF: 56.6/47

All: 0.004+/-0.011 χ^2/NDF: 115.5/99

- sign -0.005+/-0.015 χ^2/NDF: 58.2/51



Right In: 96.660+/-0.020 χ^2/NDF: 1911811.6/22

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

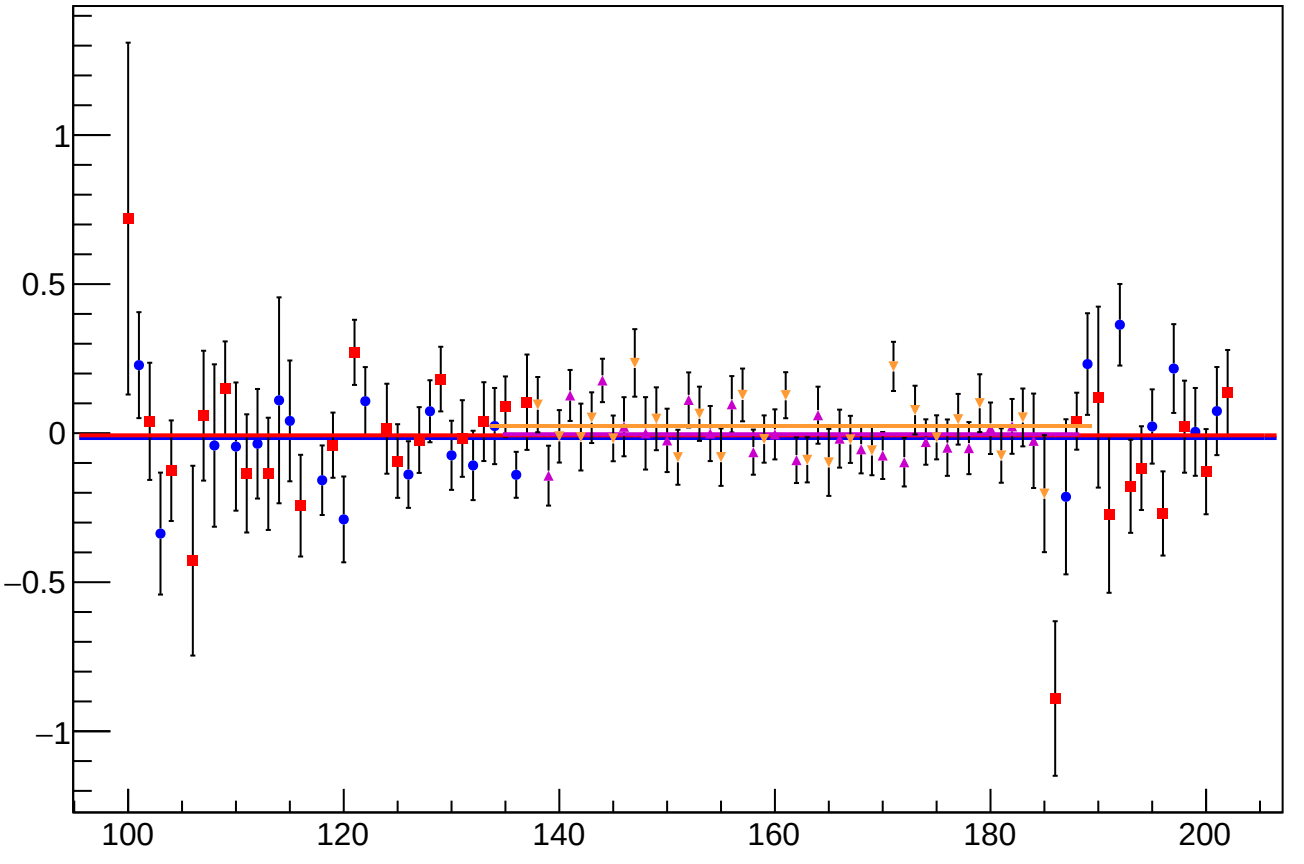
Right Out: 98.697+/-0.019 χ^2/NDF: 2302456.9/28

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 83.149+/-0.011 χ^2/NDF: 2960787.8/47

All: 84.063+/-0.008 χ^2/NDF: 6519364.8/99

- sign 84.995+/-0.011 χ^2/NDF: 3543938.2/51



Right In: -0.016+/-0.029 χ^2/NDF: 29.7/22

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

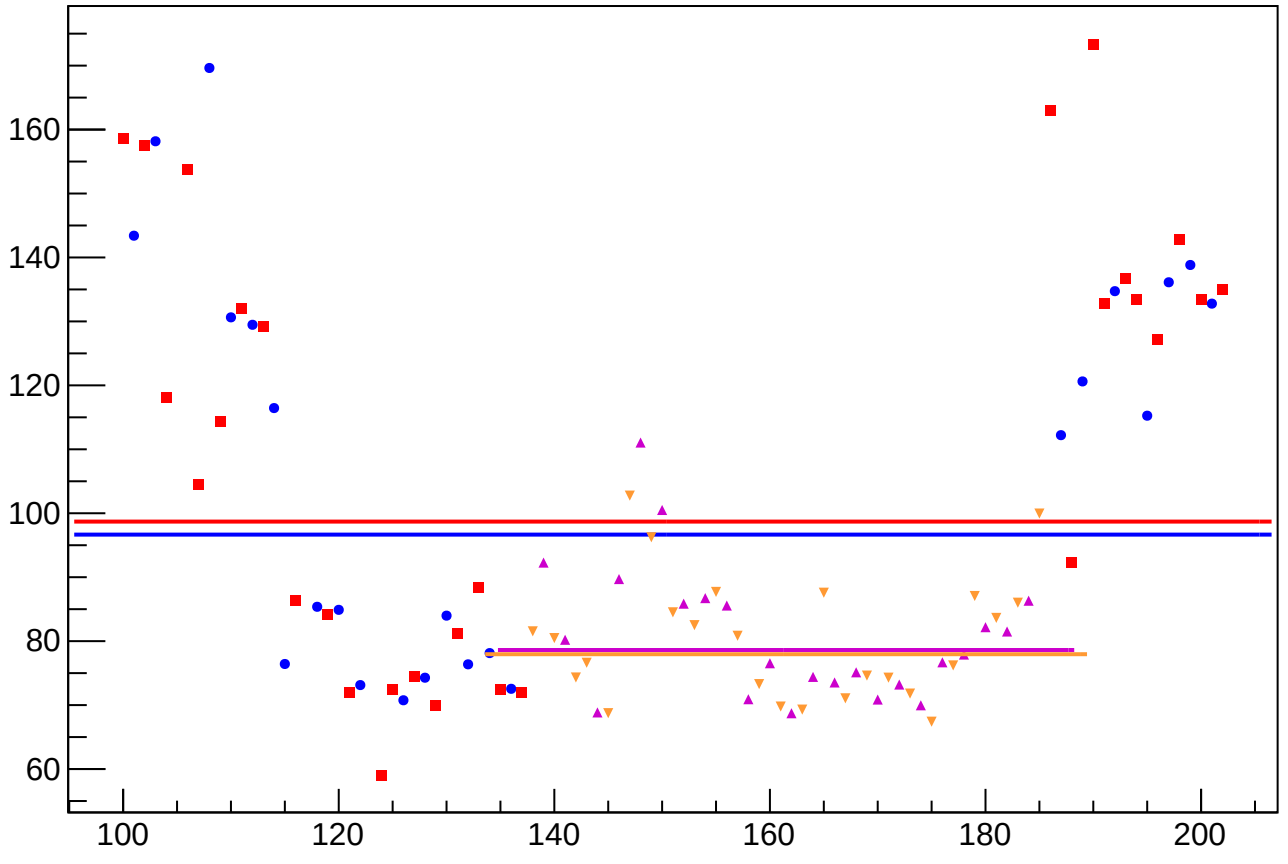
Right Out: -0.007+/-0.027 χ^2/NDF: 39.4/28

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.015 χ^2/NDF: 56.6/47

All: 0.004+/-0.011 χ^2/NDF: 115.5/99

- sign -0.005+/-0.015 χ^2/NDF: 58.2/51



Right In: 96.660+/-0.020 χ^2/NDF: 1911811.6/22

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

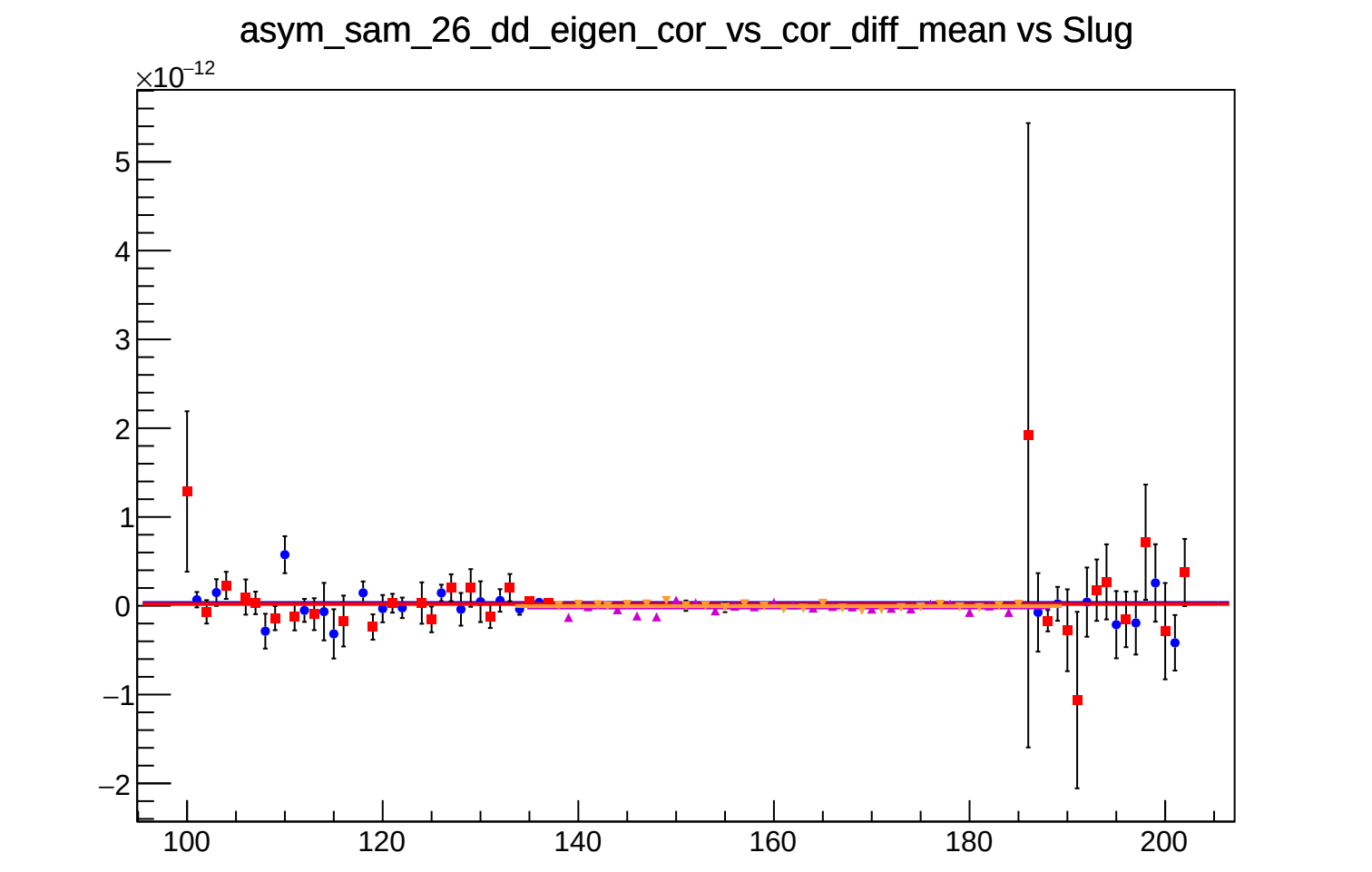
Right Out: 98.697+/-0.019 χ^2/NDF: 2302456.9/28

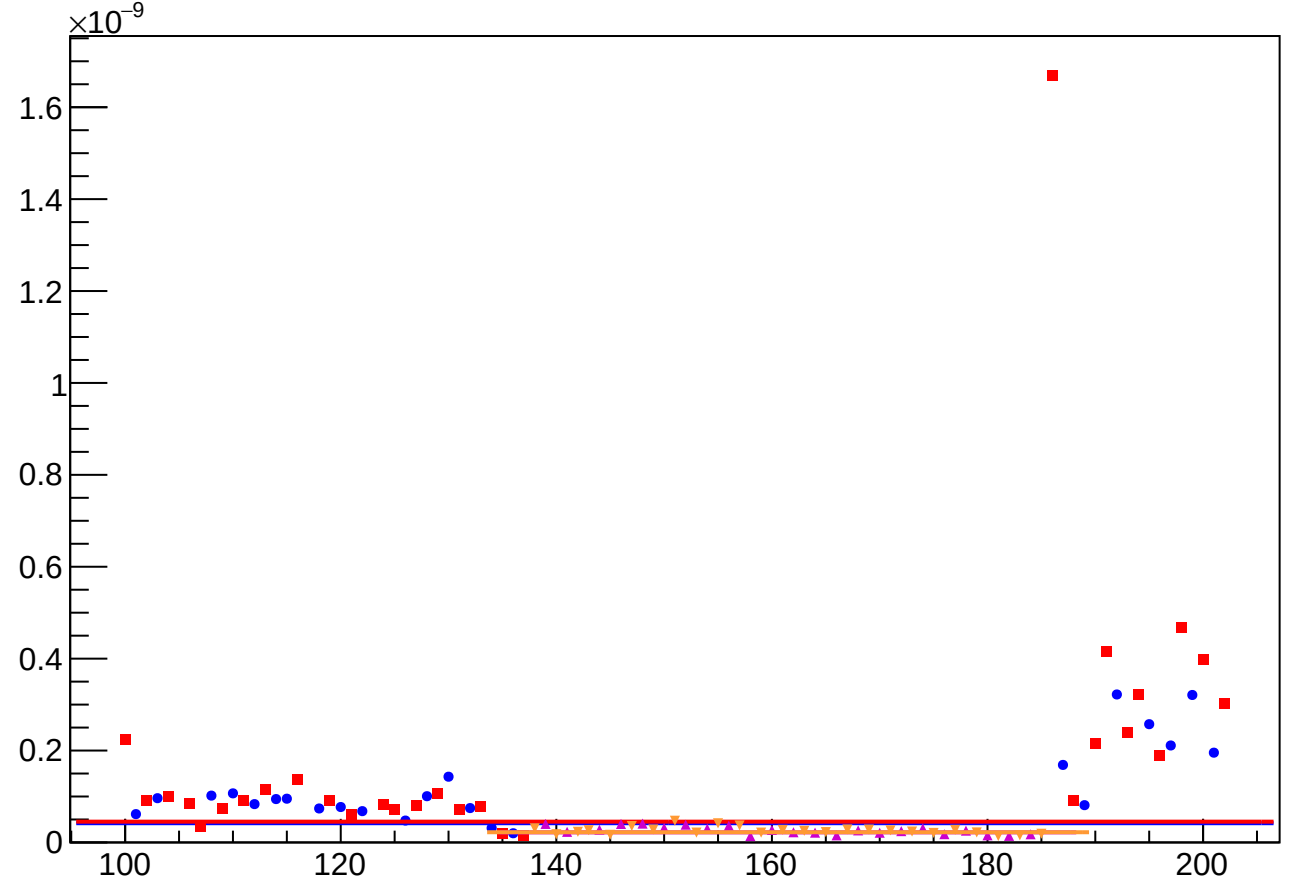
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 83.149+/-0.011 χ^2/NDF: 2960787.8/47

All: 84.063+/-0.008 χ^2/NDF: 6519364.8/99

- sign 84.995+/-0.011 χ^2/NDF: 3543938.2/51


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.6/22
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.4/28
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 35.6/47
All: -0.000+/-0.000 χ²/NDF: 108.1/99
- sign -0.000+/-0.000 χ²/NDF: 68.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 7216684.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10110087.2/28

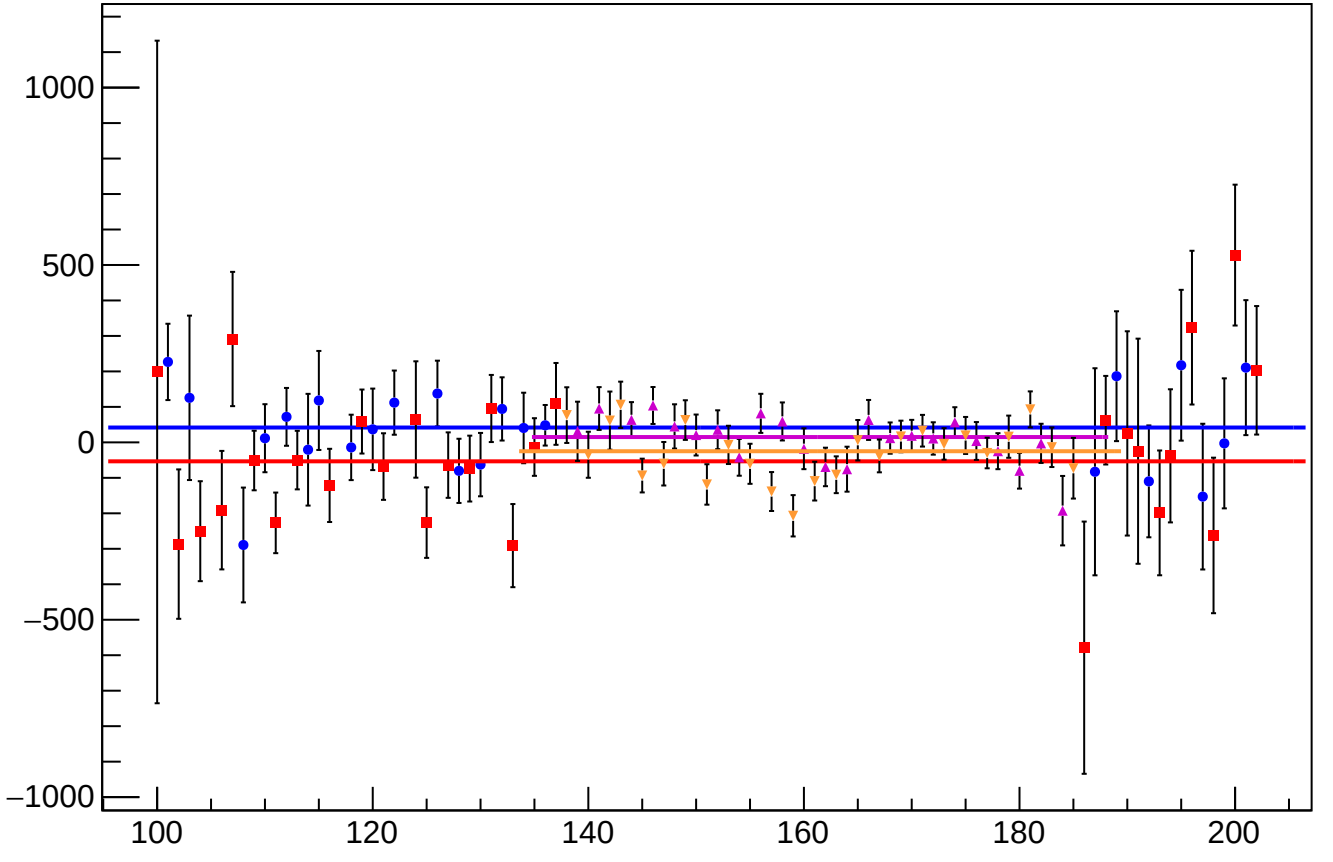
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11228463.1/47

All: 0.000+/-0.000 χ^2/NDF: 26272522.0/99

- sign 0.000+/-0.000 χ^2/NDF: 15044057.2/51

reg_asym_sam_37_dd_mean vs Slug



Right In: 41.840+/-22.992 χ^2/NDF: 17.7/22

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -53.449+/-22.763 χ^2/NDF: 44.1/28

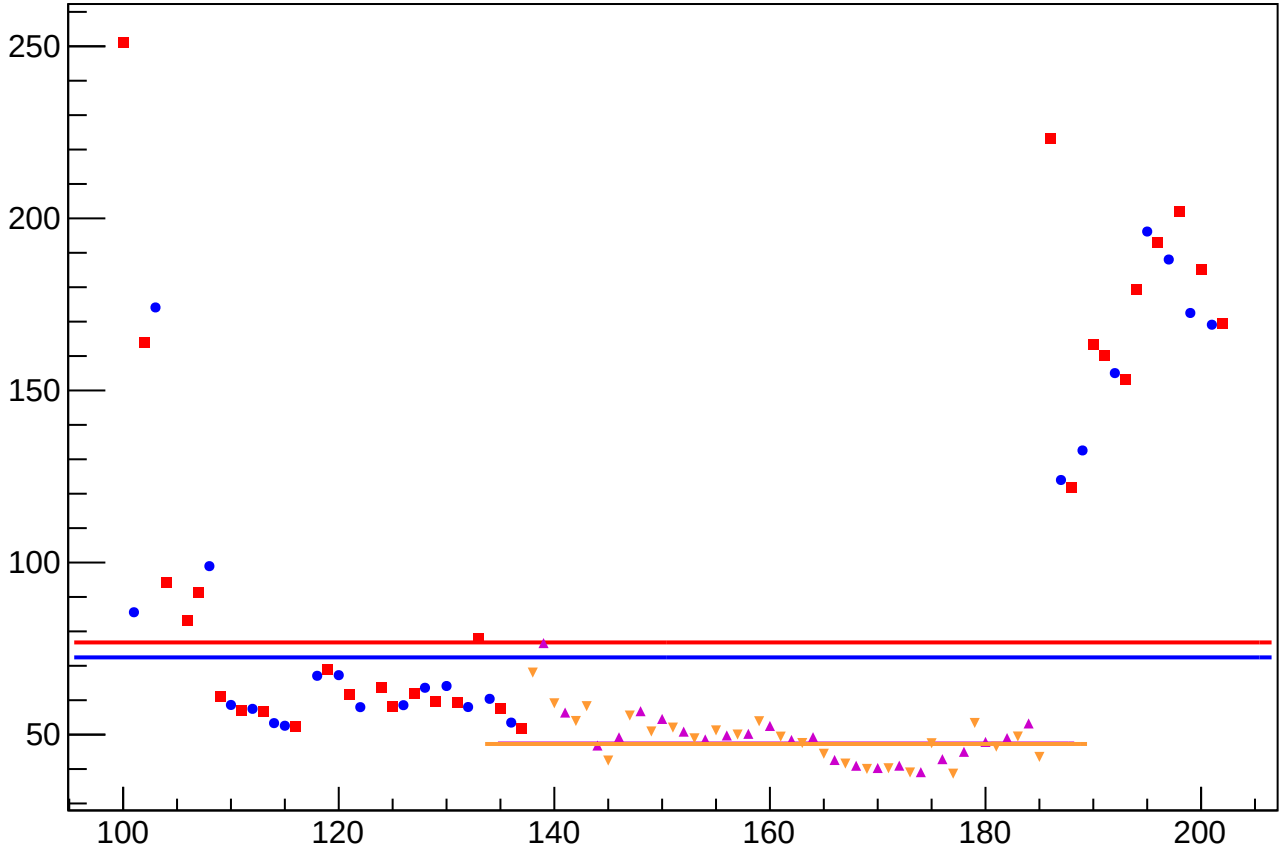
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -12.747+/-9.840 χ^2/NDF: 67.7/47

All: -5.724+/-7.035 χ^2/NDF: 144.9/99

- sign 1.620+/-10.062 χ^2/NDF: 76.1/51

reg_asym_sam_37_dd_rms vs Slug



Right In: 72.442+/-0.016 χ^2/NDF: 4343283.1/22

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 76.787+/-0.016 χ^2/NDF: 5645766.3/28

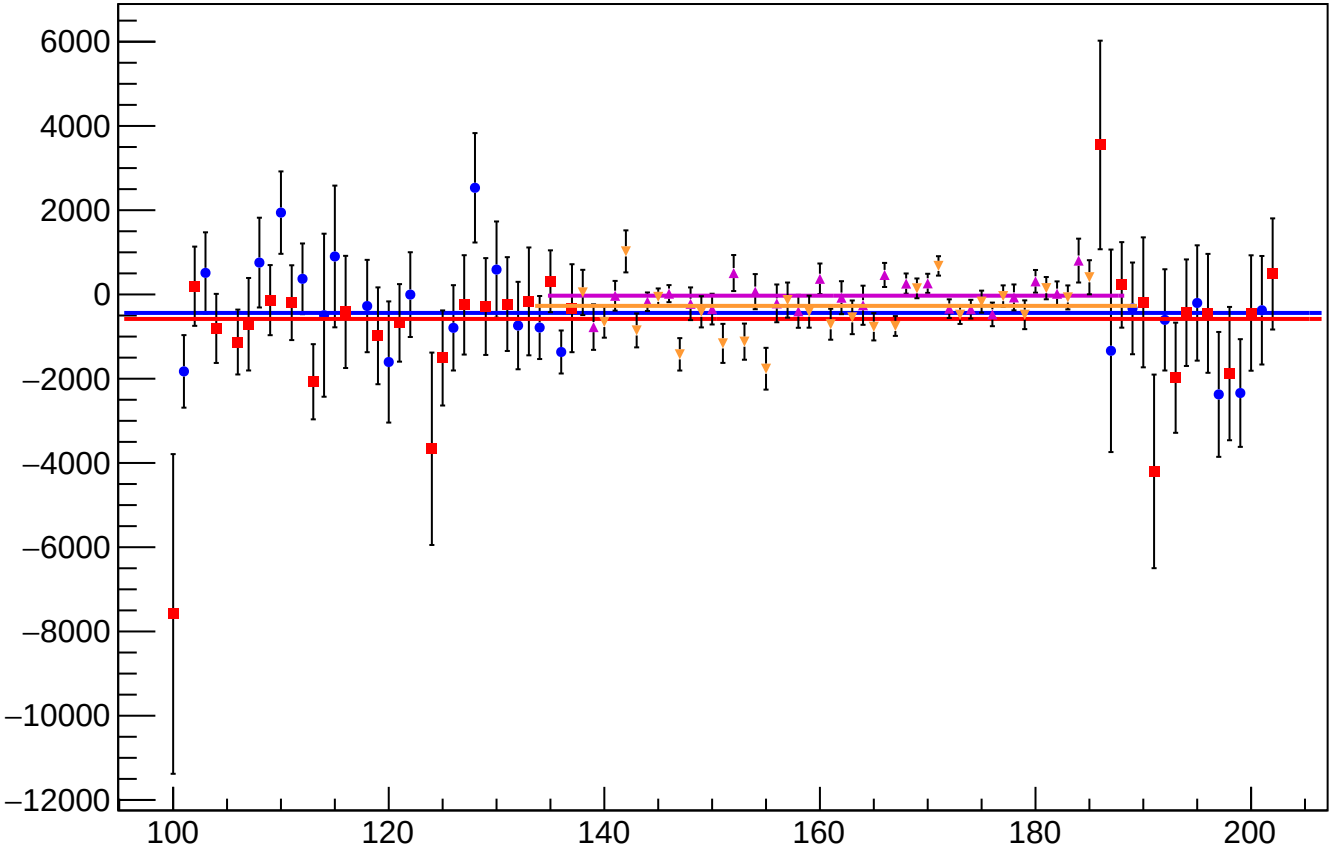
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.892+/-0.007 χ^2/NDF: 7016554.6/47

All: 52.513+/-0.005 χ^2/NDF: 16011764.0/99

- sign 53.163+/-0.007 χ^2/NDF: 8978901.8/51

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -438.669+/-215.689 χ^2/NDF: 27.1/22

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -581.204+/-207.254 χ^2/NDF: 21.0/28

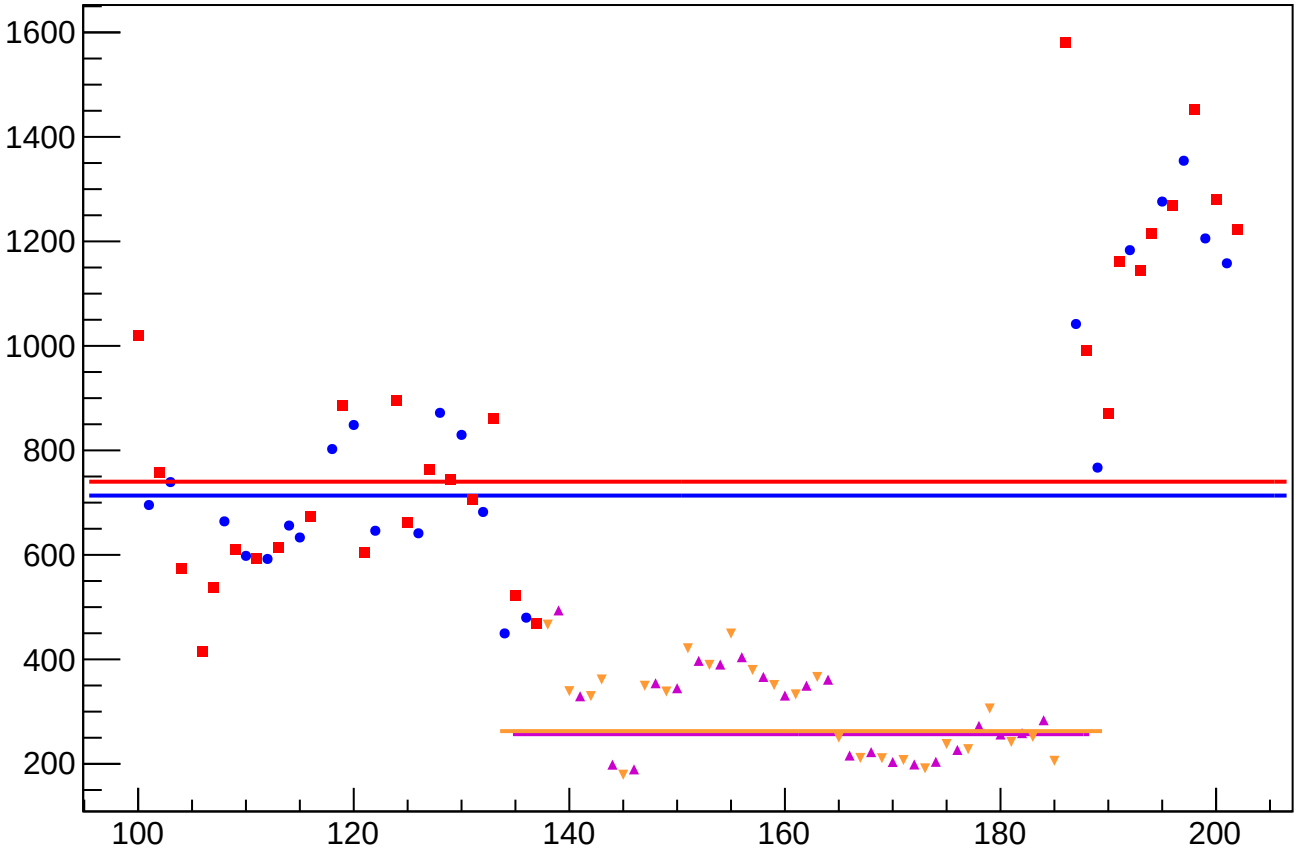
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -283.958+/-59.894 χ^2/NDF: 101.5/47

All: -179.865+/-42.385 χ^2/NDF: 159.4/99

- sign -75.445+/-59.988 χ^2/NDF: 51.9/51

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 713.512+/-0.153 χ^2/NDF: 2446647.6/22

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 740.079+/-0.147 χ^2/NDF: 3265743.7/28

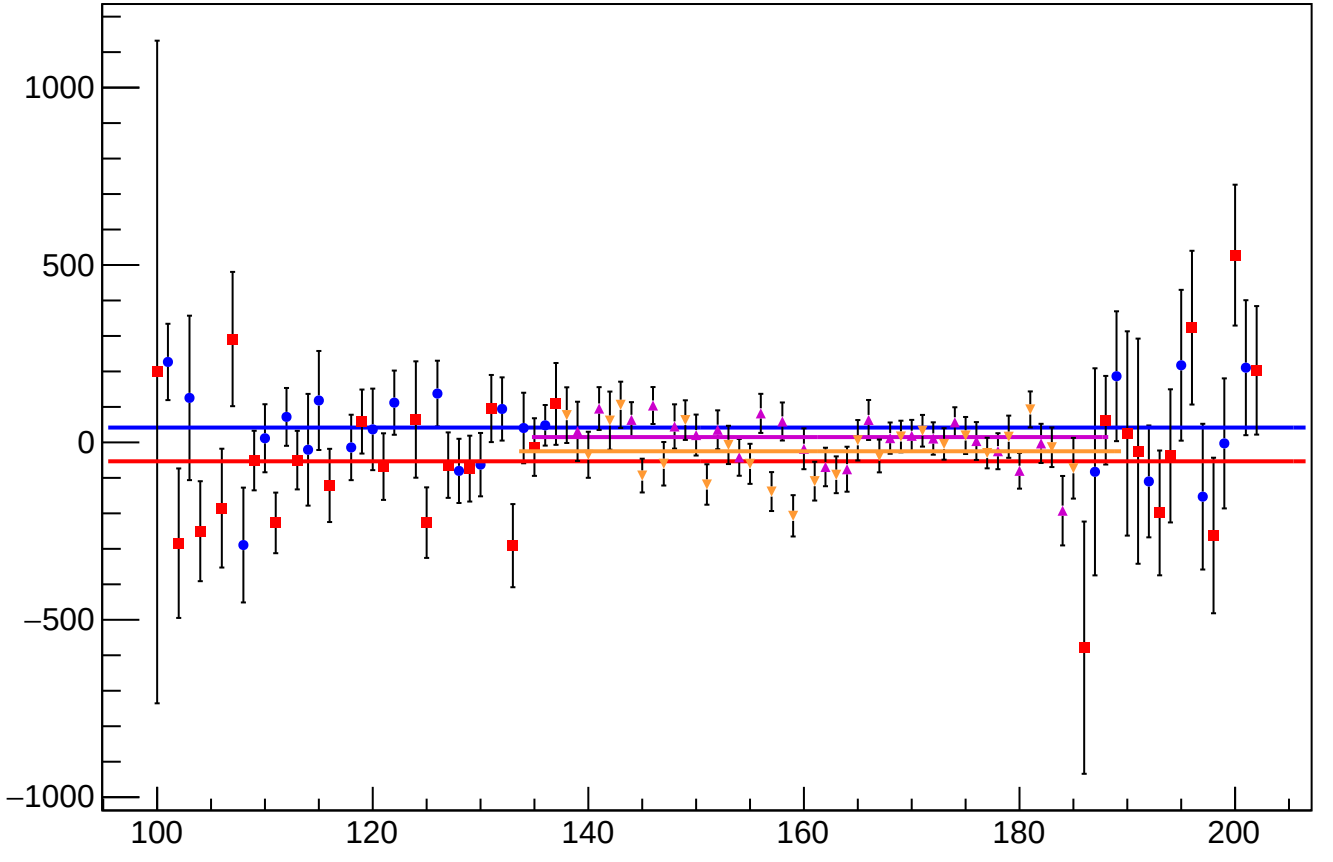
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 297.443+/-0.042 χ^2/NDF: 13404040.2/47

All: 297.384+/-0.030 χ^2/NDF: 29270914.2/99

- sign 297.326+/-0.042 χ^2/NDF: 15866870.2/51

cor_asym_sam_37_dd_mean vs Slug



Right In: 41.833+/-22.992 χ^2/NDF: 17.7/22

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -53.289+/-22.764 χ^2/NDF: 44.0/28

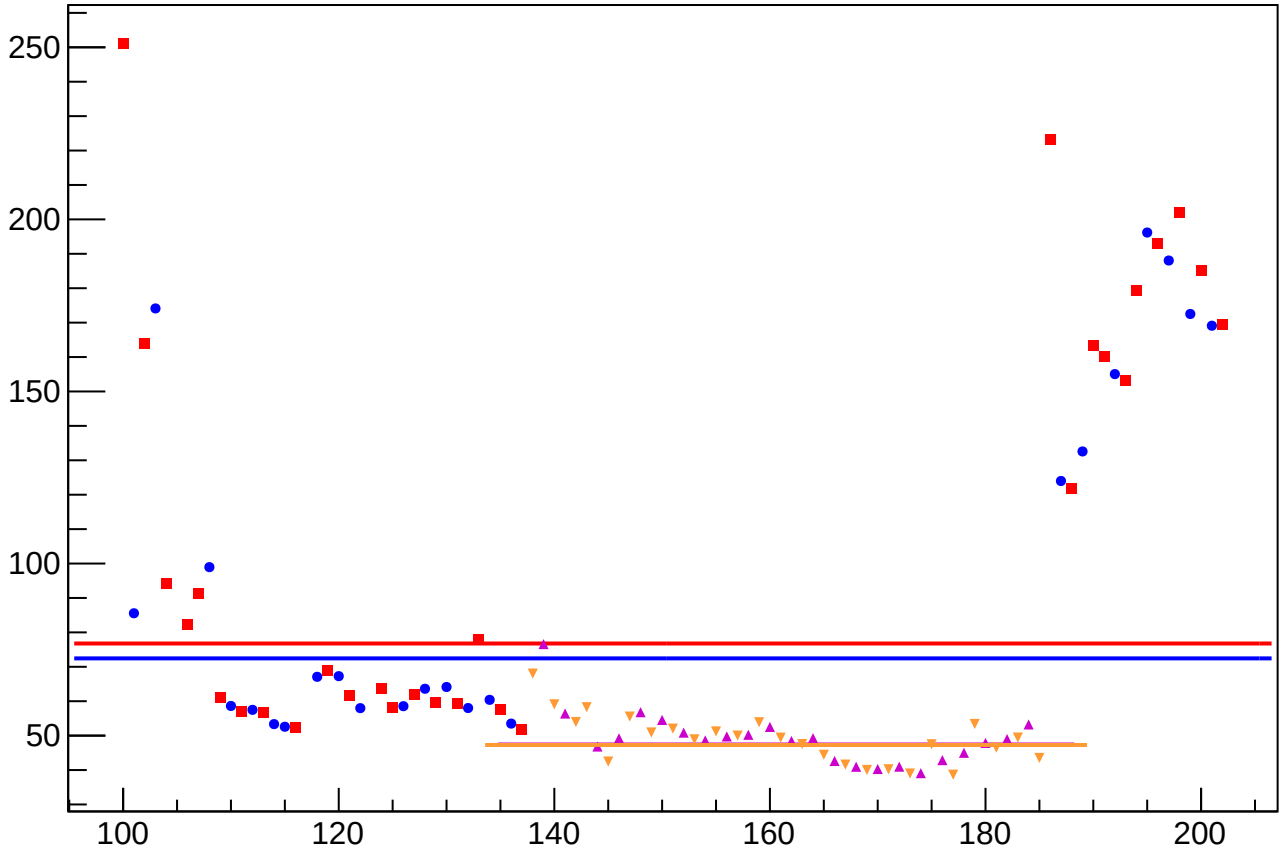
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -12.746+/-9.840 χ^2/NDF: 67.7/47

All: -5.709+/-7.035 χ^2/NDF: 144.7/99

- sign 1.651+/-10.062 χ^2/NDF: 76.0/51

cor_asym_sam_37_dd_rms vs Slug



Right In: 72.442+/-0.016 χ^2/NDF: 4343285.5/22

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 76.767+/-0.016 χ^2/NDF: 5645067.9/28

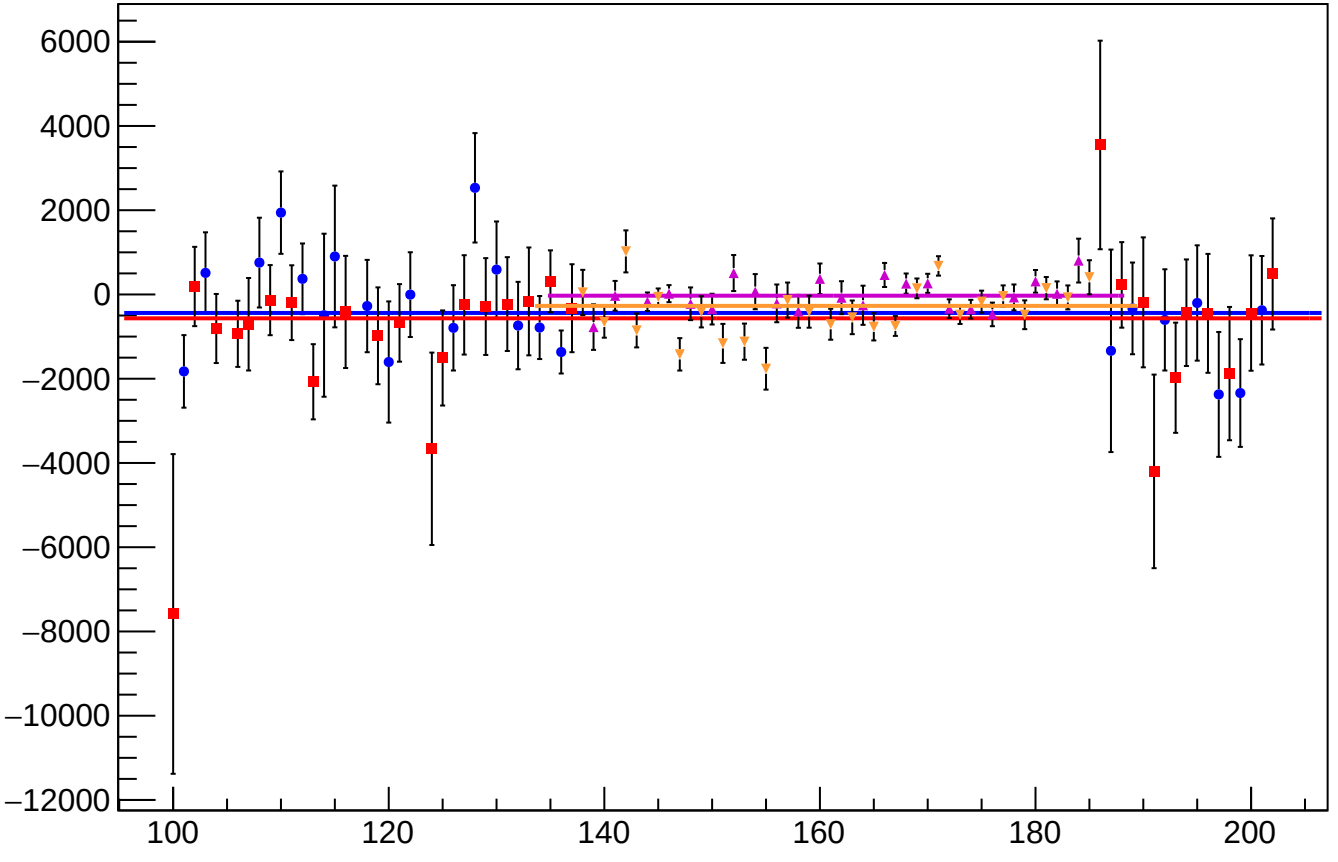
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.892+/-0.007 χ^2/NDF: 7016556.3/47

All: 52.511+/-0.005 χ^2/NDF: 16007157.5/99

- sign 53.158+/-0.007 χ^2/NDF: 8974404.2/51

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -438.668+/-215.690 χ^2/NDF: 27.1/22

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -566.477+/-207.559 χ^2/NDF: 20.6/28

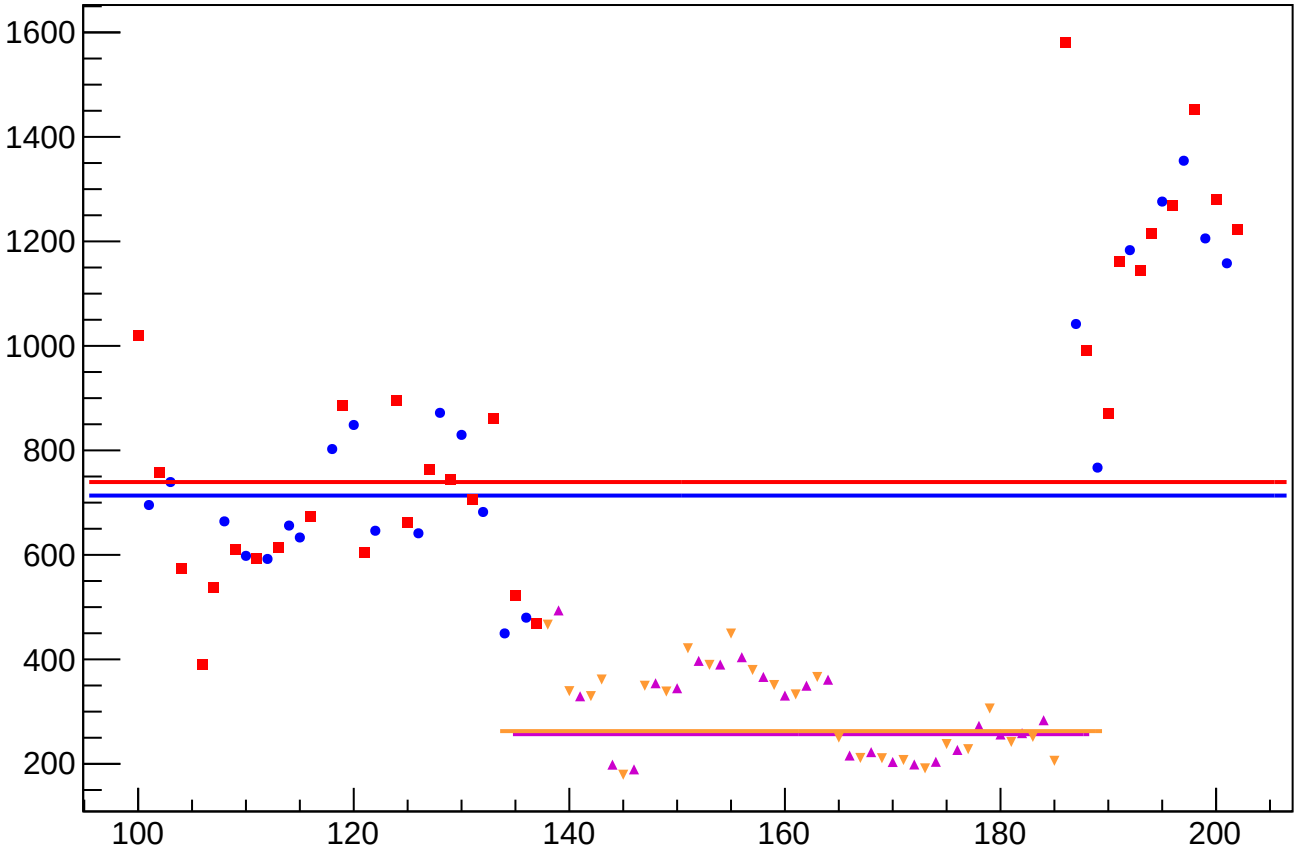
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -283.953+/-59.894 χ^2/NDF: 101.5/47

All: -179.200+/-42.387 χ^2/NDF: 158.8/99

- sign -74.092+/-59.995 χ^2/NDF: 51.2/51

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 713.516+/-0.153 χ^2/NDF: 2446655.7/22

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 739.402+/-0.147 χ^2/NDF: 3303034.9/28

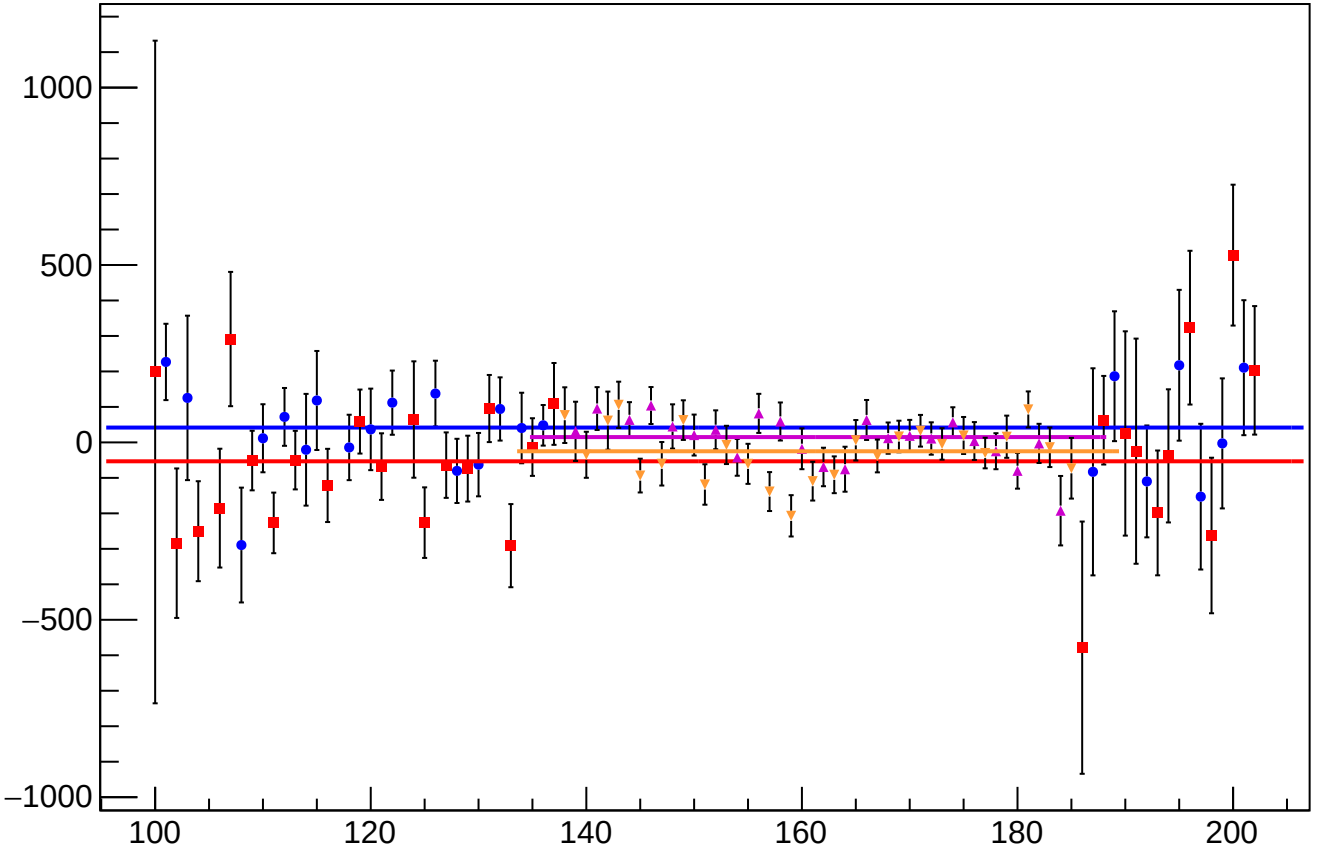
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 297.442+/-0.042 χ^2/NDF: 13404096.0/47

All: 297.302+/-0.030 χ^2/NDF: 29253708.7/99

- sign 297.161+/-0.042 χ^2/NDF: 15849590.6/51

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 41.833+/-22.992 χ^2/NDF: 17.7/22

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -53.289+/-22.764 χ^2/NDF: 44.0/28

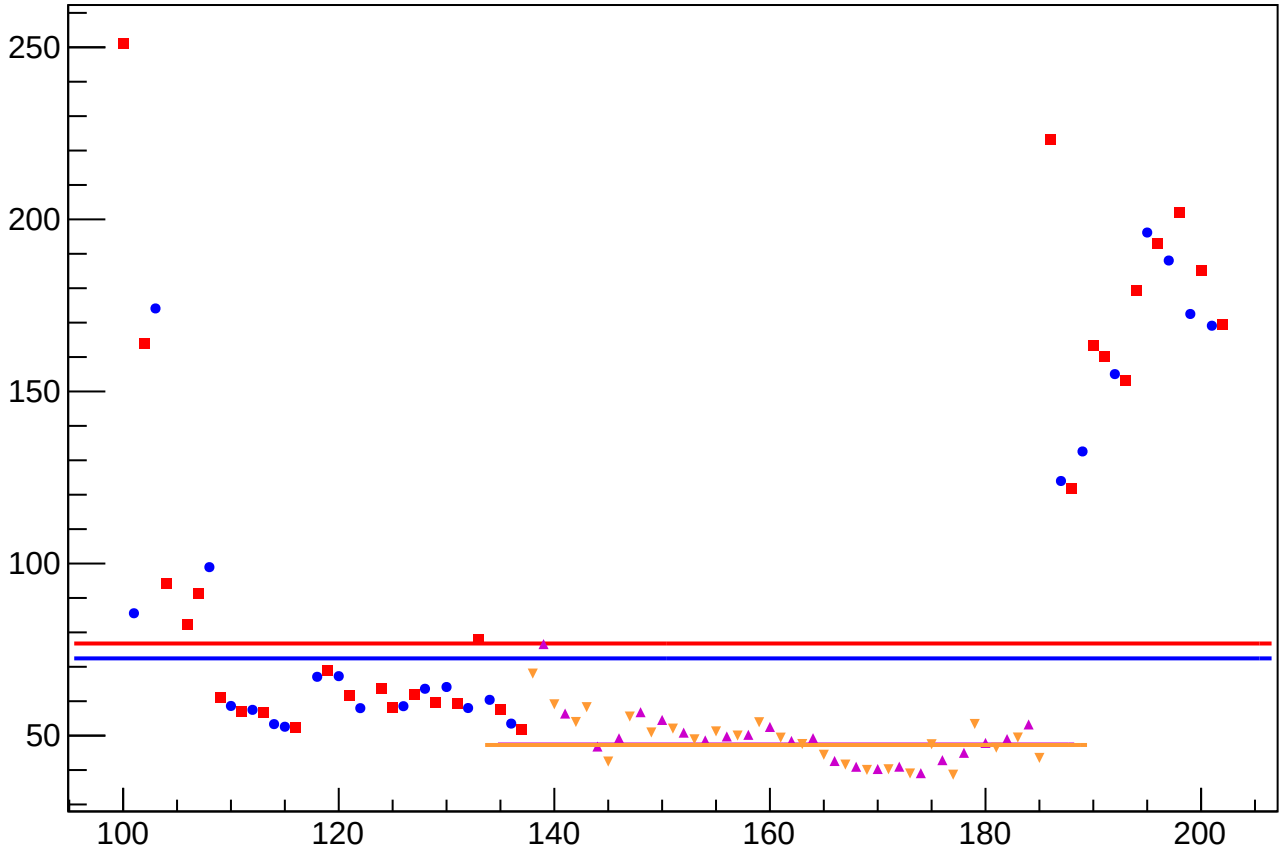
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -12.746+/-9.840 χ^2/NDF: 67.7/47

All: -5.709+/-7.035 χ^2/NDF: 144.7/99

- sign 1.651+/-10.062 χ^2/NDF: 76.0/51

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 72.442+/-0.016 χ^2/NDF: 4343285.5/22

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

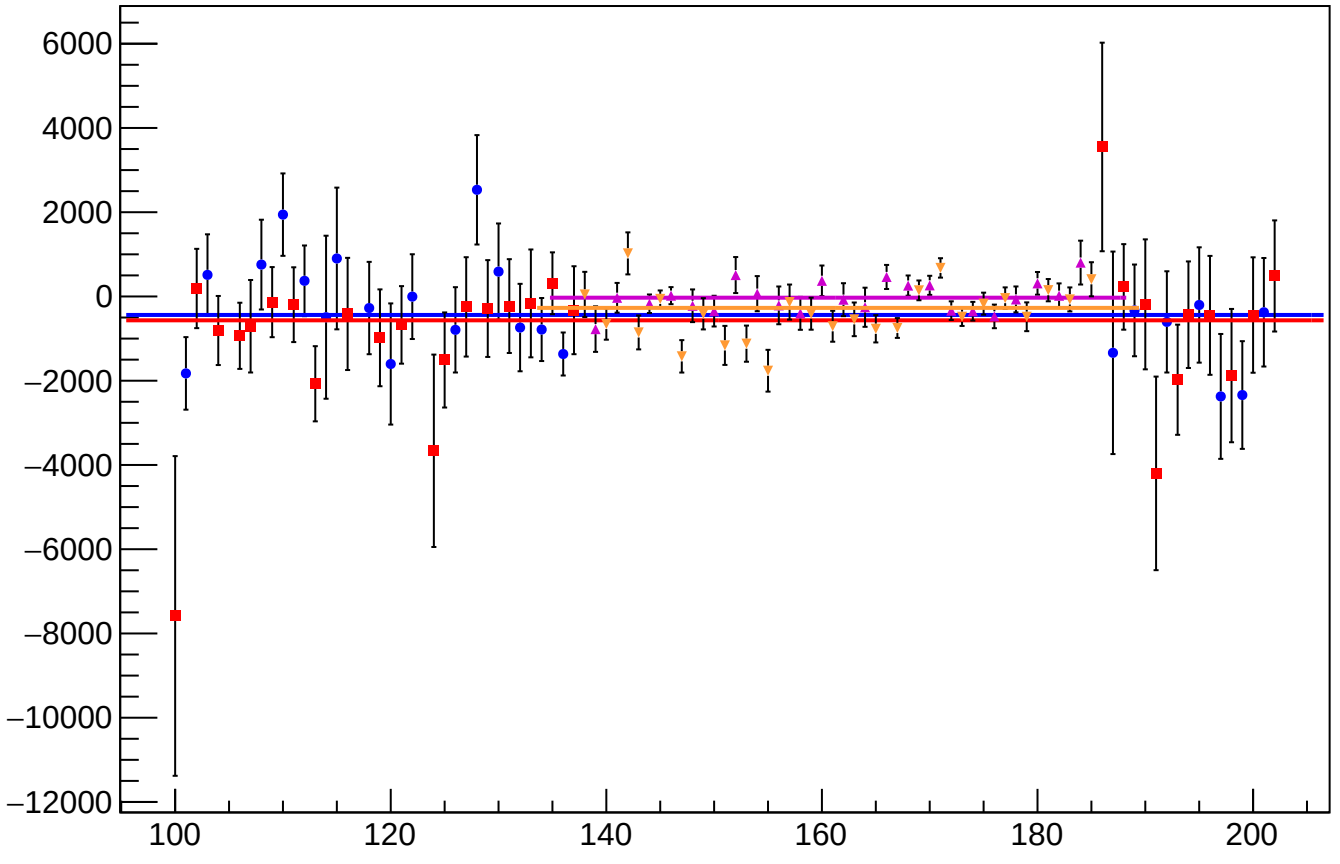
Right Out: 76.767+/-0.016 χ^2/NDF: 5645067.9/28

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.892+/-0.007 χ^2/NDF: 7016556.3/47

All: 52.511+/-0.005 χ^2/NDF: 16007157.5/99

- sign 53.158+/-0.007 χ^2/NDF: 8974404.2/51



Right In: -438.668+/-215.690 χ^2/NDF: 27.1/22

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

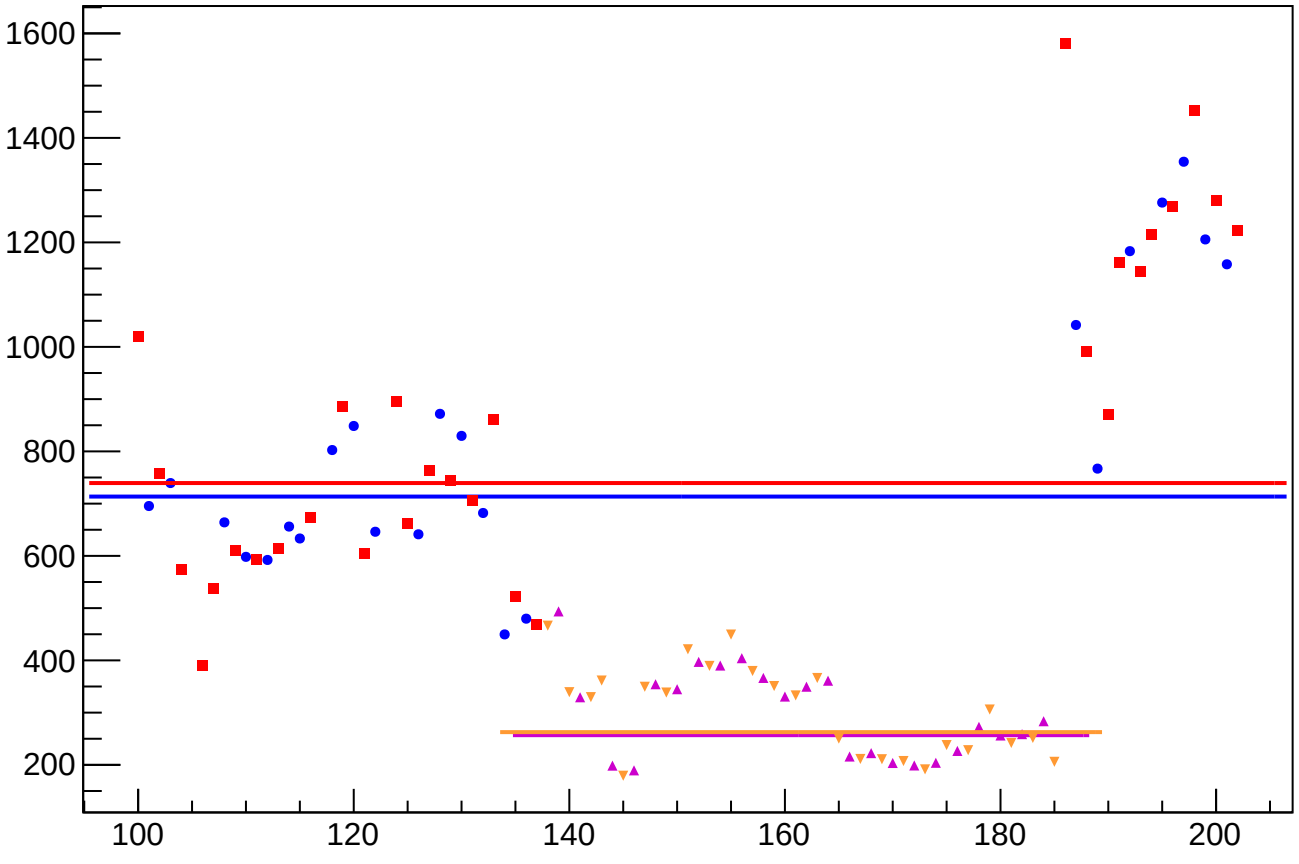
Right Out: -566.477+/-207.559 χ^2/NDF: 20.6/28

Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -283.953+/-59.894 χ^2/NDF: 101.5/47

All: -179.200+/-42.387 χ^2/NDF: 158.8/99

- sign -74.092+/-59.995 χ^2/NDF: 51.2/51



Right In: 713.516+/-0.153 χ^2/NDF: 2446655.7/22

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 739.402+/-0.147 χ^2/NDF: 3303034.9/28

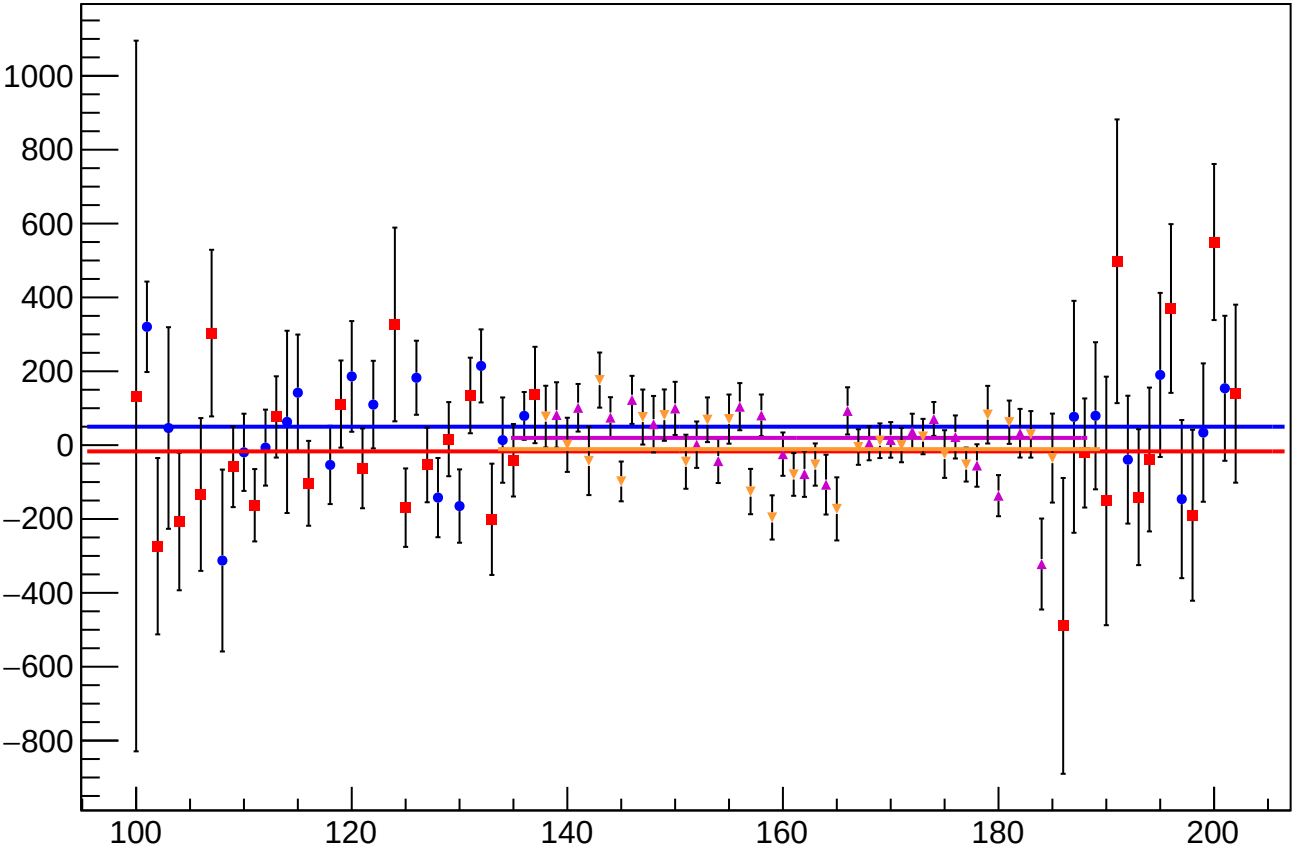
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 297.442+/-0.042 χ^2/NDF: 13404096.0/47

All: 297.302+/-0.030 χ^2/NDF: 29253708.7/99

- sign 297.161+/-0.042 χ^2/NDF: 15849590.6/51

dit_asym_sam_37_dd_mean vs Slug



Right In: 49.917+/-26.609 χ^2/NDF: 24.7/22

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -16.922+/-26.750 χ^2/NDF: 33.5/28

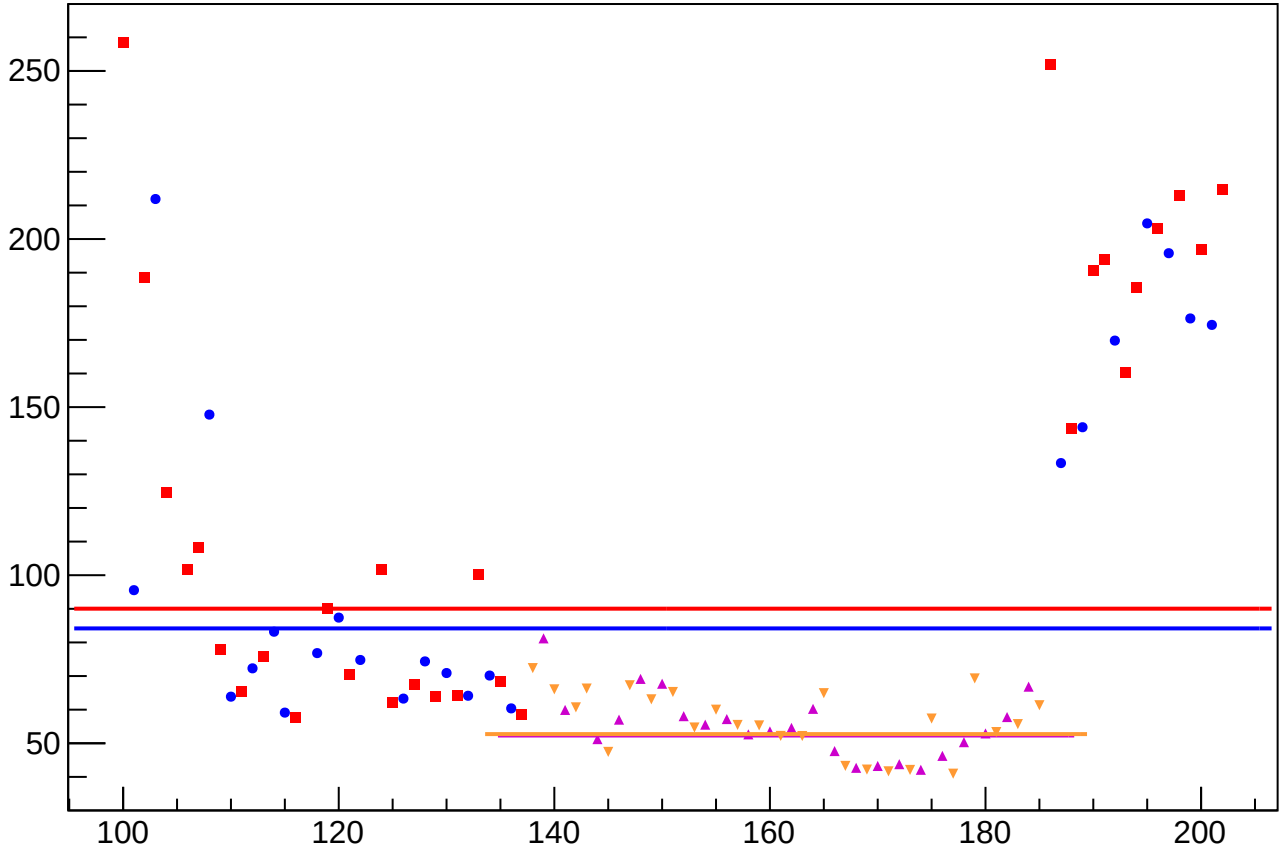
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

\+ sign -0.121+/-11.169 χ^2/NDF: 69.4/47

All: 6.336+/-7.964 χ^2/NDF: 141.9/99

\- sign 13.013+/-11.359 χ^2/NDF: 71.8/51

dit_asym_sam_37_dd_rms vs Slug



Right In: 84.171+/-0.019 χ^2/NDF: 4042707.8/22

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

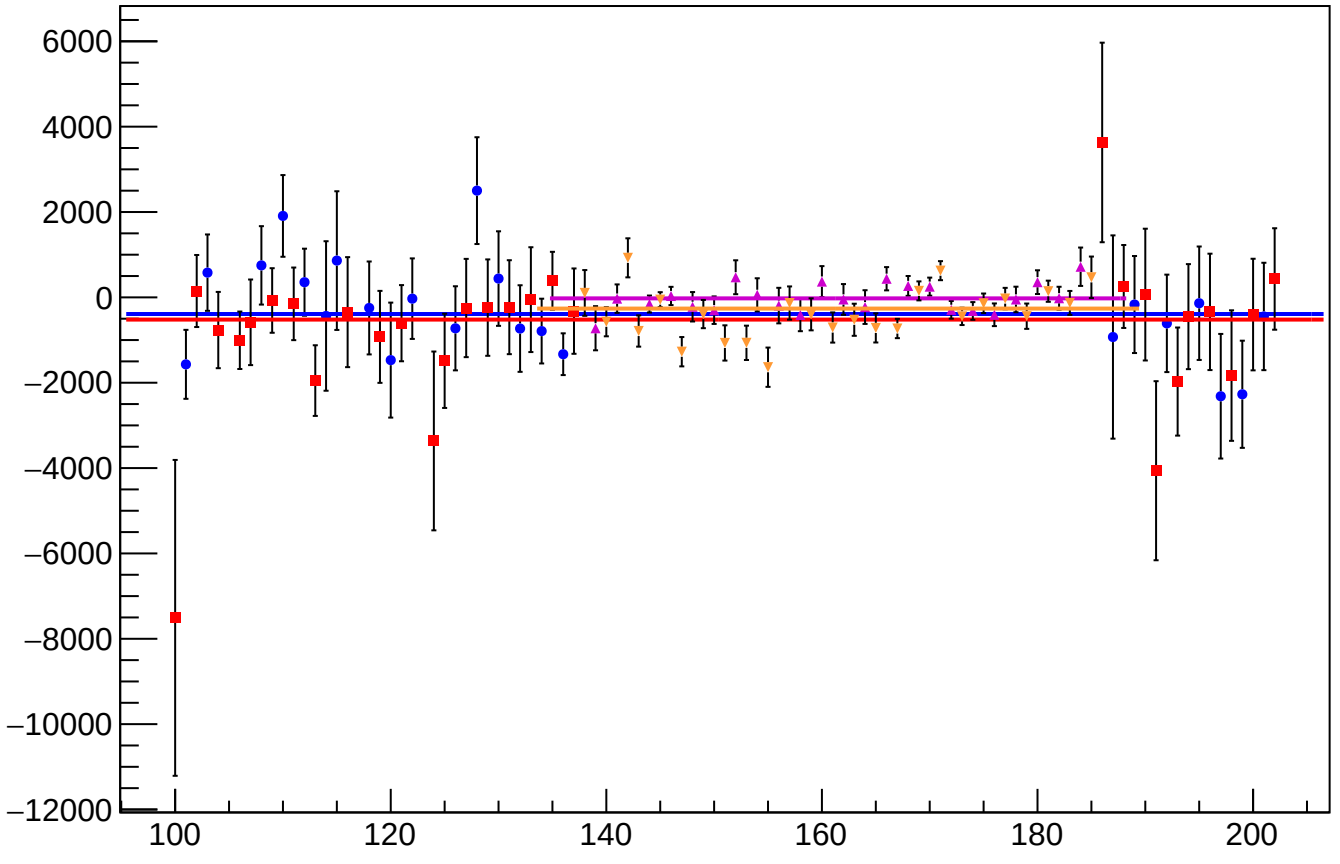
Right Out: 90.043+/-0.019 χ^2/NDF: 5418721.9/28

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 58.271+/-0.008 χ^2/NDF: 7510074.5/47

All: 58.686+/-0.006 χ^2/NDF: 17087522.6/99

- sign 59.116+/-0.008 χ^2/NDF: 9571812.5/51



Right In: -390.009+/-207.209 χ^2/NDF: 27.2/22

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -520.539+/-196.407 χ^2/NDF: 22.8/28

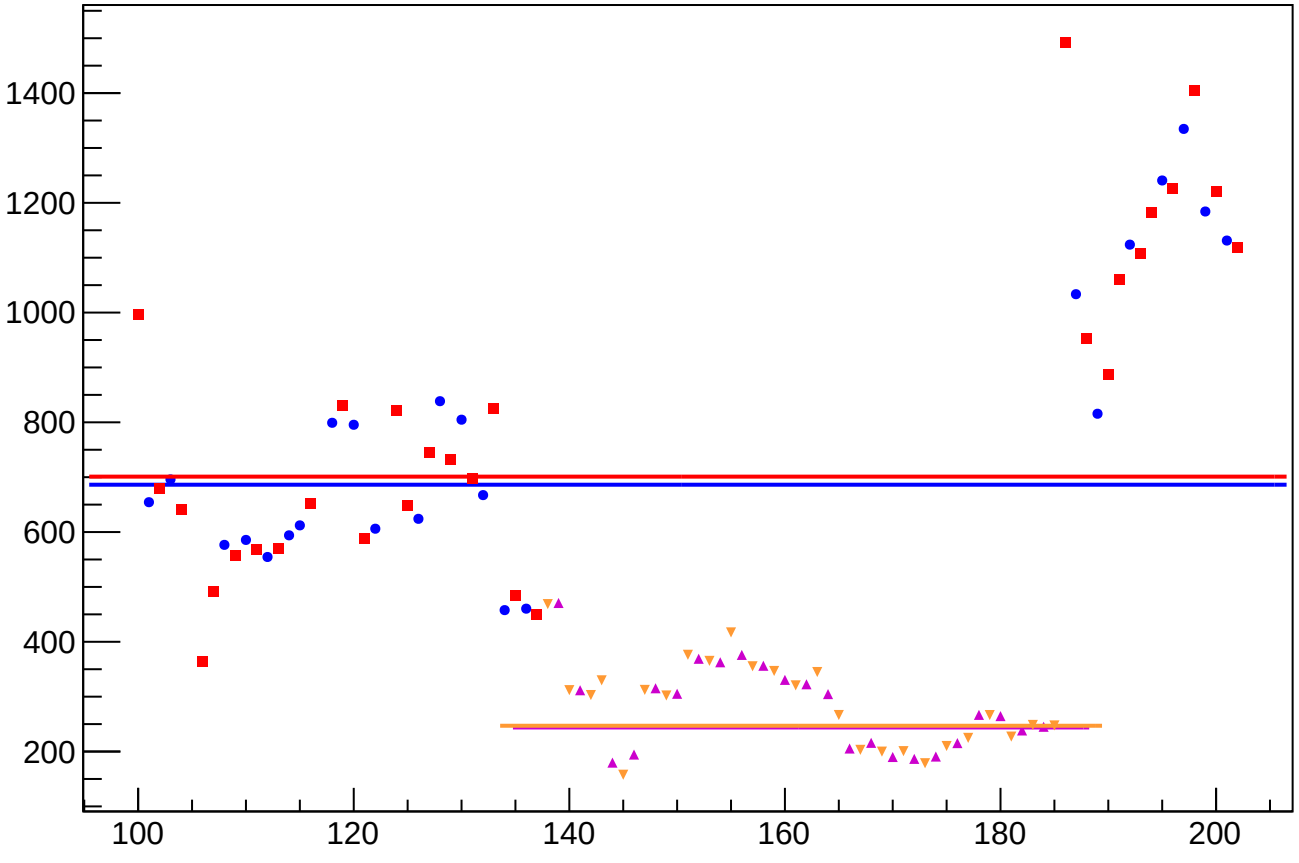
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.989+/-56.300 χ^2/NDF: 99.7/47

All: -169.567+/-40.004 χ^2/NDF: 159.2/99

- sign -65.120+/-56.854 χ^2/NDF: 52.8/51

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 686.273+/-0.147 χ^2/NDF: 2507523.2/22

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 701.014+/-0.139 χ^2/NDF: 3462904.1/28

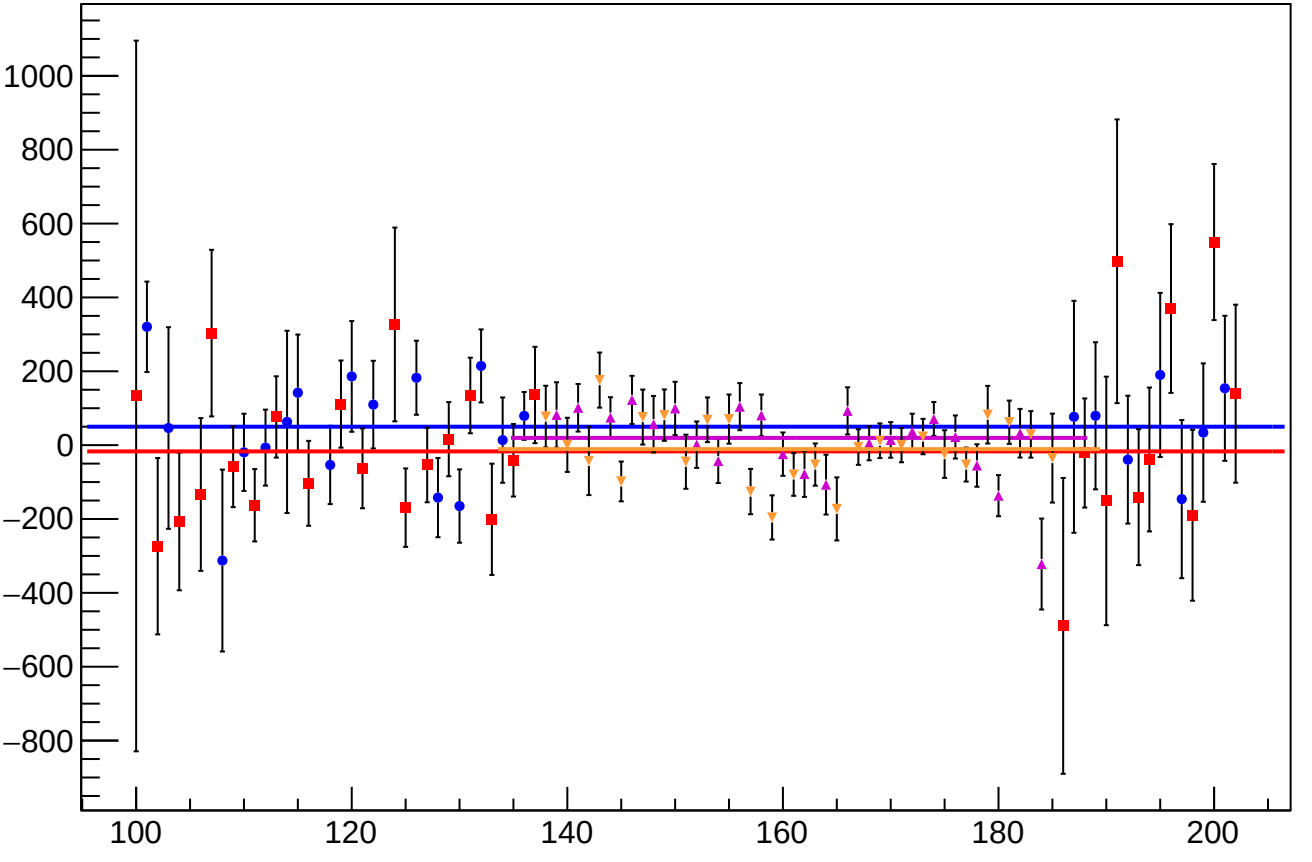
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 279.425+/-0.040 χ^2/NDF: 13758238.4/47

All: 280.766+/-0.028 χ^2/NDF: 29642872.6/99

- sign 282.134+/-0.040 χ^2/NDF: 15882341.7/51

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 49.916+/-26.609 χ^2/NDF: 24.7/22

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -16.921+/-26.750 χ^2/NDF: 33.5/28

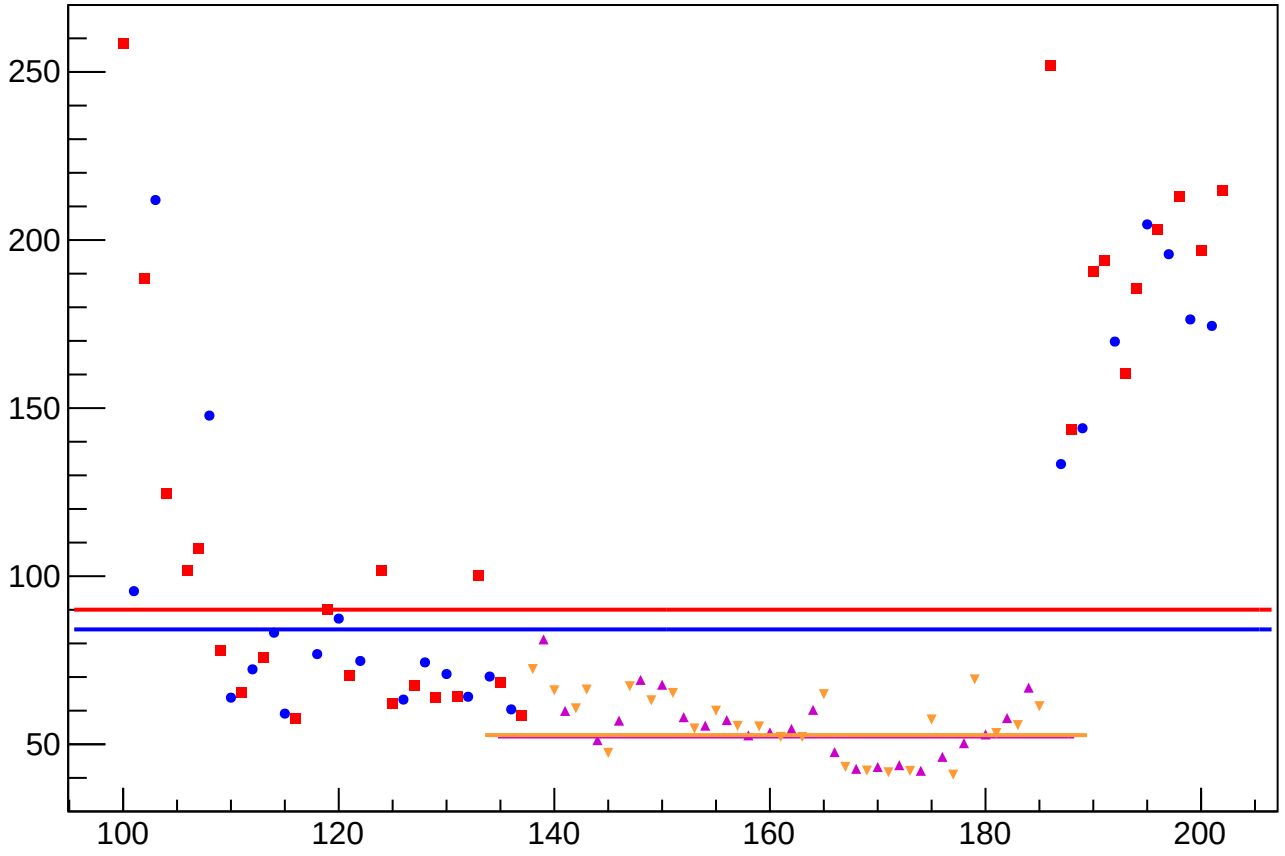
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.120+/-11.169 χ^2/NDF: 69.4/47

All: 6.336+/-7.964 χ^2/NDF: 141.9/99

- sign 13.013+/-11.359 χ^2/NDF: 71.8/51

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 84.170+/-0.019 χ^2/NDF: 4042728.9/22

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

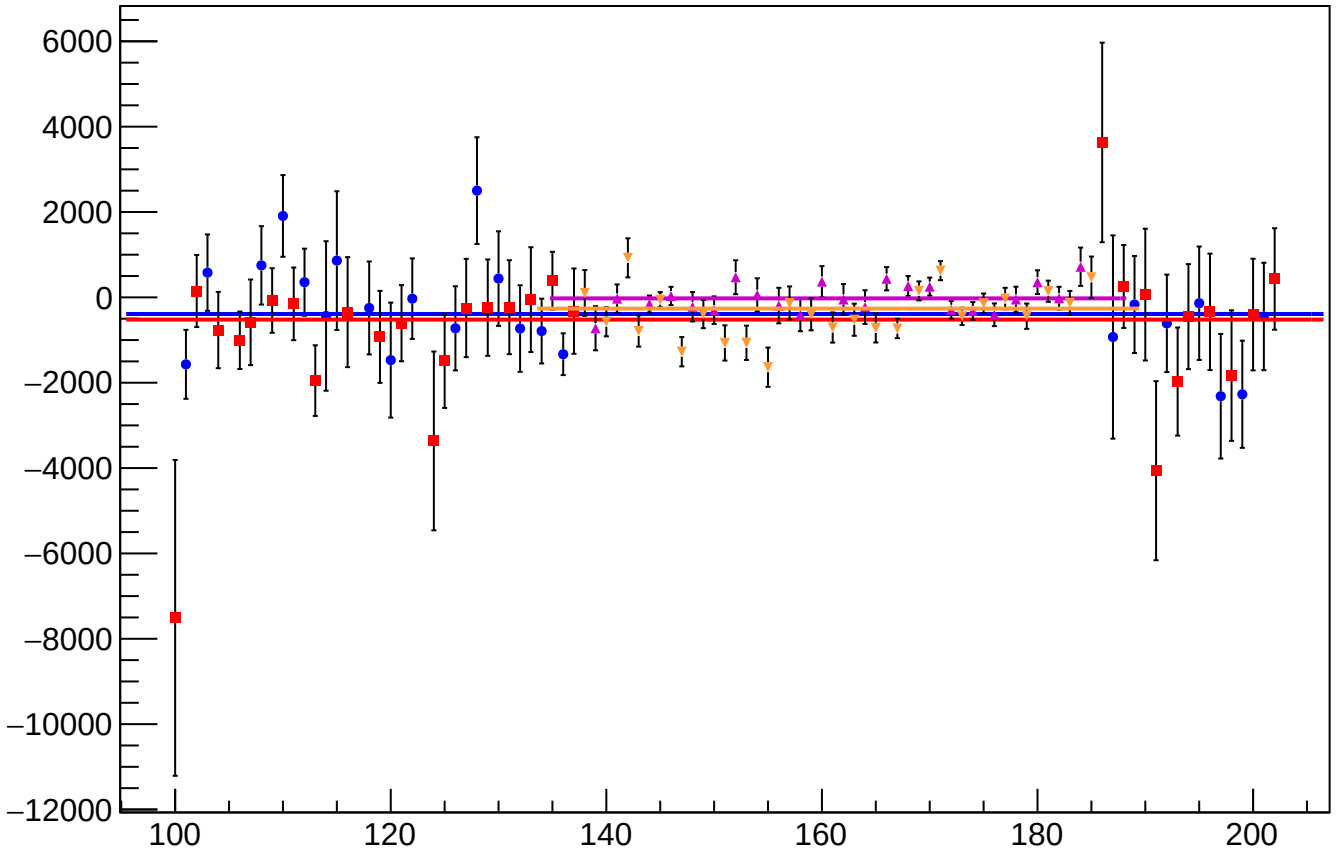
Right Out: 90.043+/-0.019 χ^2/NDF: 5418721.5/28

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 58.271+/-0.008 χ^2/NDF: 7510093.5/47

All: 58.686+/-0.006 χ^2/NDF: 17087527.8/99

- sign 59.116+/-0.008 χ^2/NDF: 9571798.5/51



Right In: -390.009+/-207.209 χ^2/NDF: 27.2/22

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

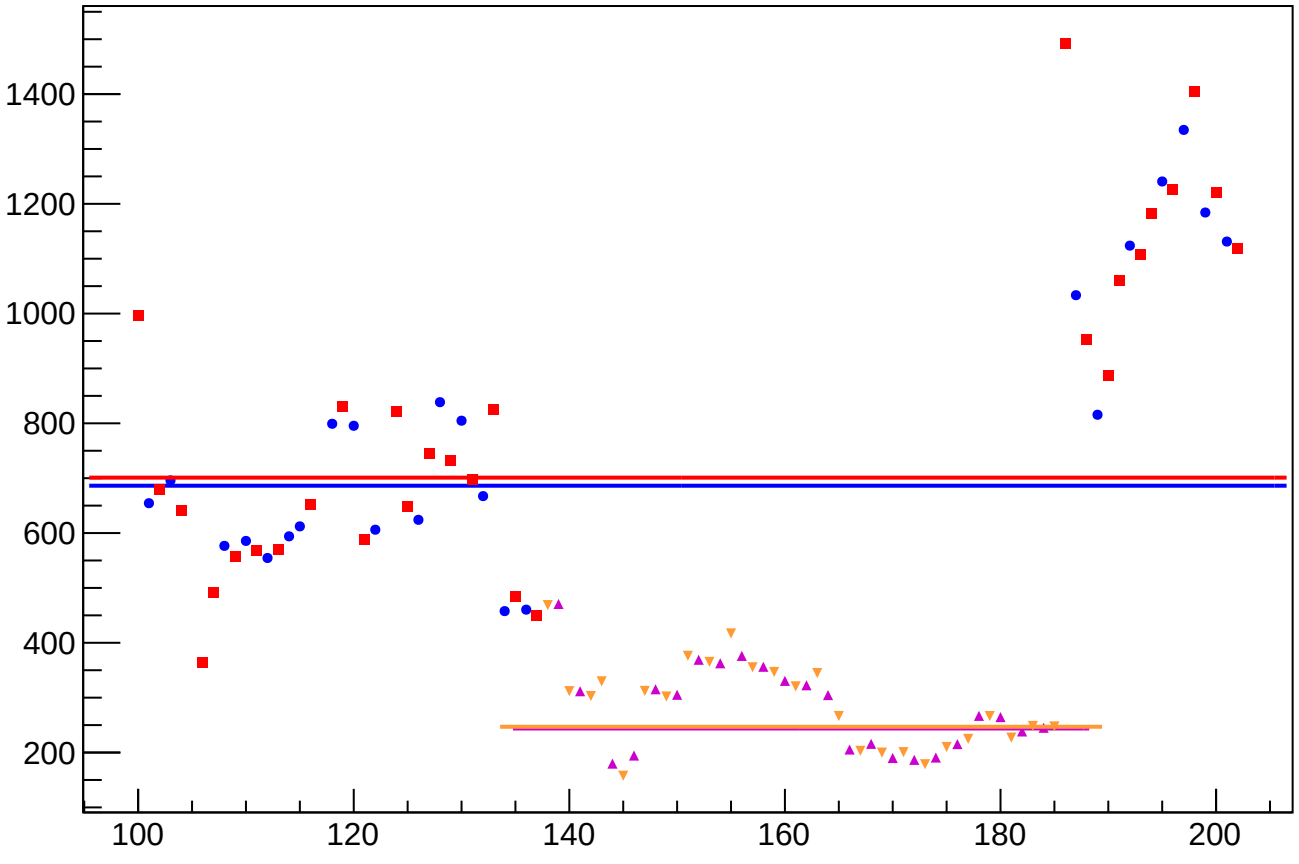
Right Out: -520.539+/-196.407 χ^2/NDF: 22.8/28

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.989+/-56.300 χ^2/NDF: 99.7/47

All: -169.567+/-40.004 χ^2/NDF: 159.2/99

- sign -65.120+/-56.854 χ^2/NDF: 52.8/51



Right In: 686.273+/-0.147 χ^2/NDF: 2507511.6/22

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 701.013+/-0.139 χ^2/NDF: 3462898.9/28

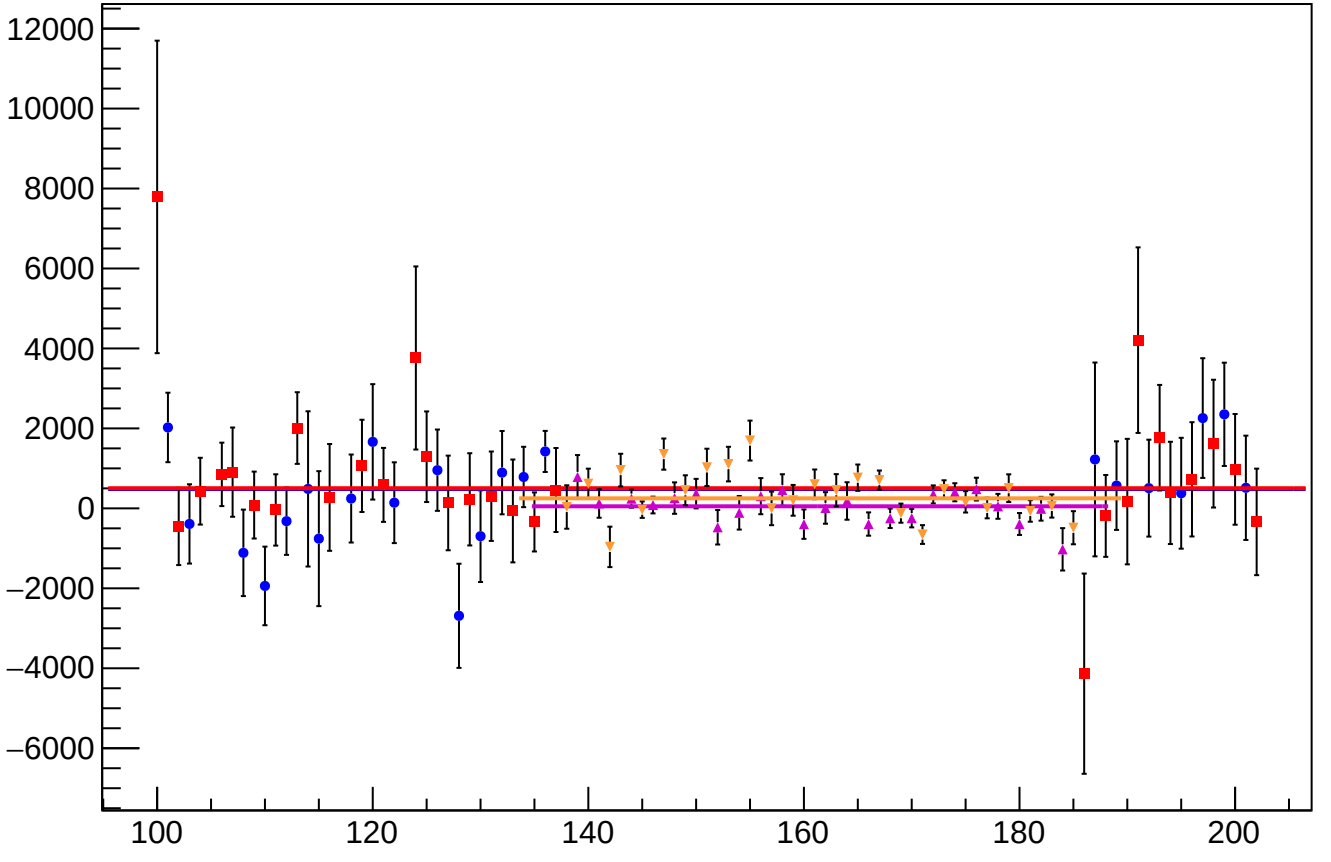
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 279.425+/-0.040 χ^2/NDF: 13758226.9/47

All: 280.766+/-0.028 χ^2/NDF: 29642853.7/99

- sign 282.134+/-0.040 χ^2/NDF: 15882334.5/51

asym_sam_37_dd_mean vs Slug



Right In: 482.936+/-217.513 χ^2/NDF: 28.9/22

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 503.542+/-209.396 χ^2/NDF: 21.1/28

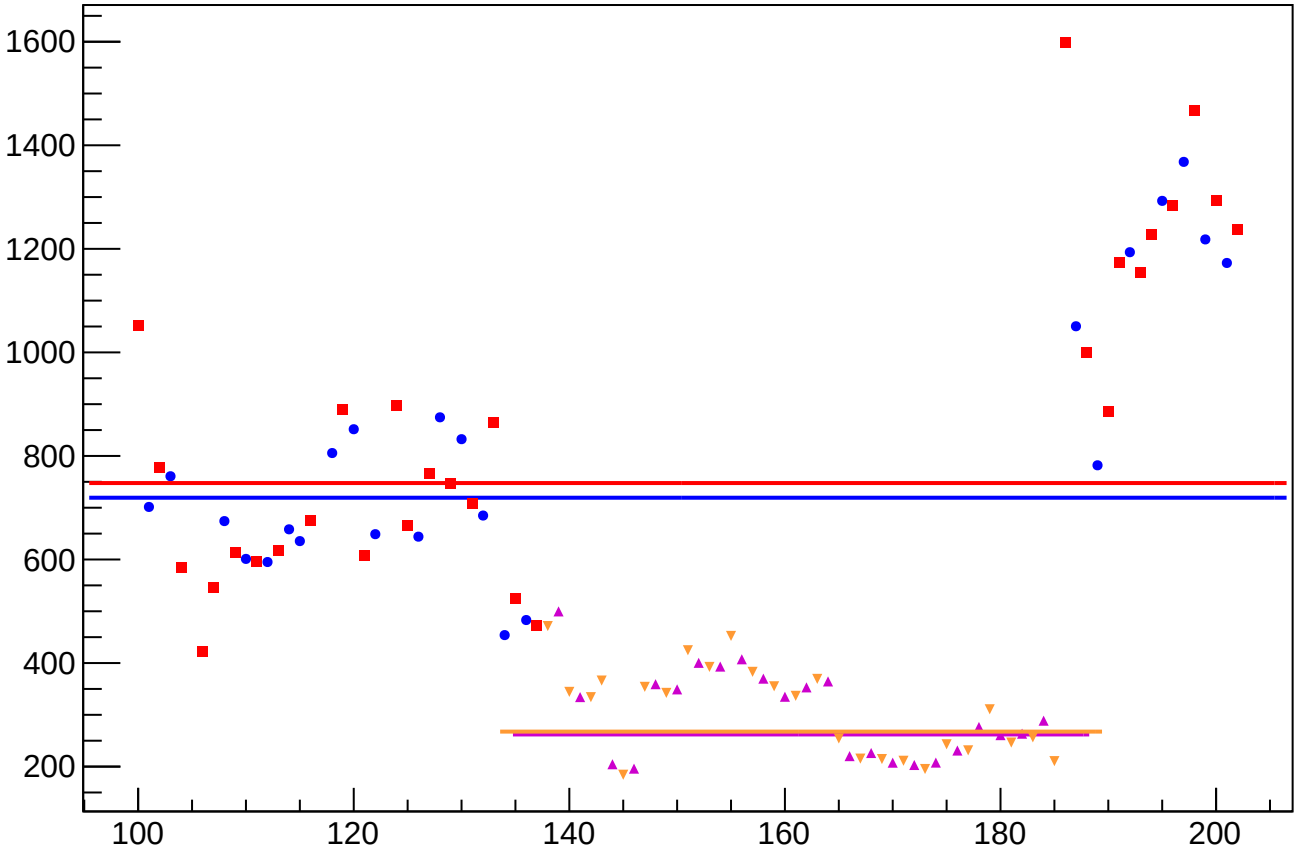
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 269.275+/-60.888 χ^2/NDF: 97.5/47

All: 179.970+/-43.118 χ^2/NDF: 154.0/99

- sign 90.137+/-61.068 χ^2/NDF: 52.2/51

asym_sam_37_dd_rms vs Slug



Right In: 719.321+/-0.154 χ^2/NDF: 2463507.0/22

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

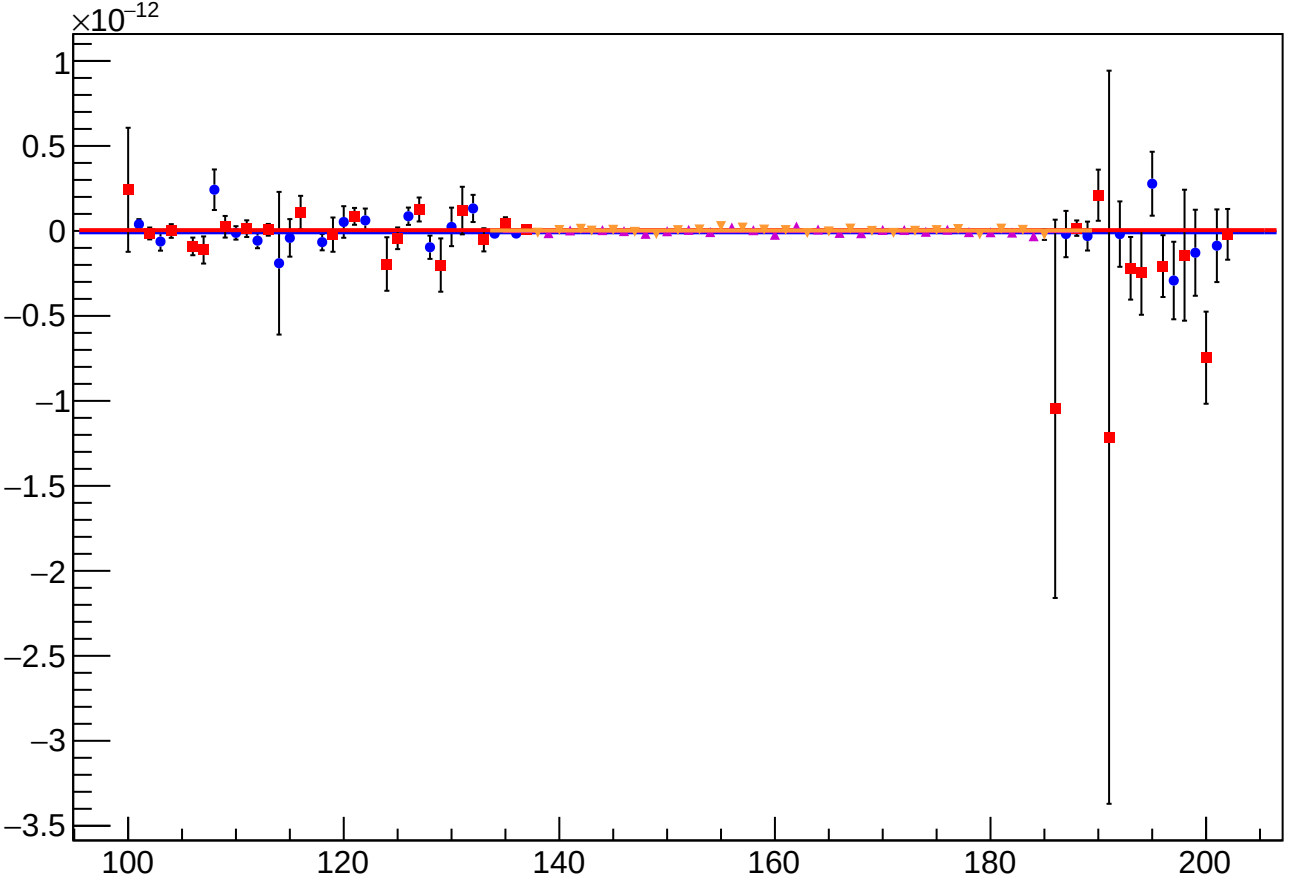
Right Out: 747.651+/-0.148 χ^2/NDF: 3257956.3/28

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 302.987+/-0.043 χ^2/NDF: 13215266.0/47

All: 303.188+/-0.030 χ^2/NDF: 28850227.2/99

- sign 303.390+/-0.043 χ^2/NDF: 15634917.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

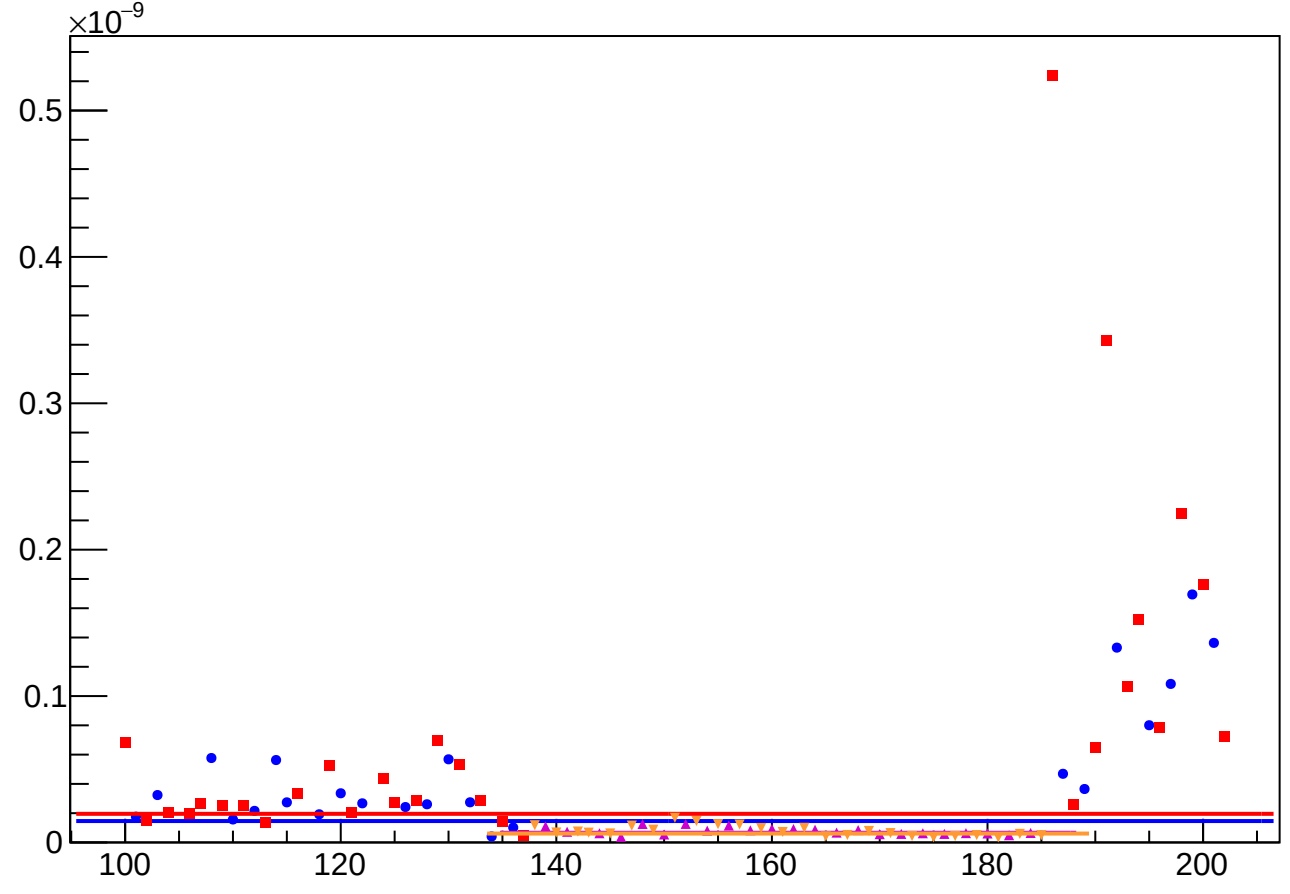
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/28

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/47

All: 0.000+/-0.000 χ^2/NDF: 89.8/99

- sign -0.000+/-0.000 χ^2/NDF: 47.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 5111250.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5122747.5/28

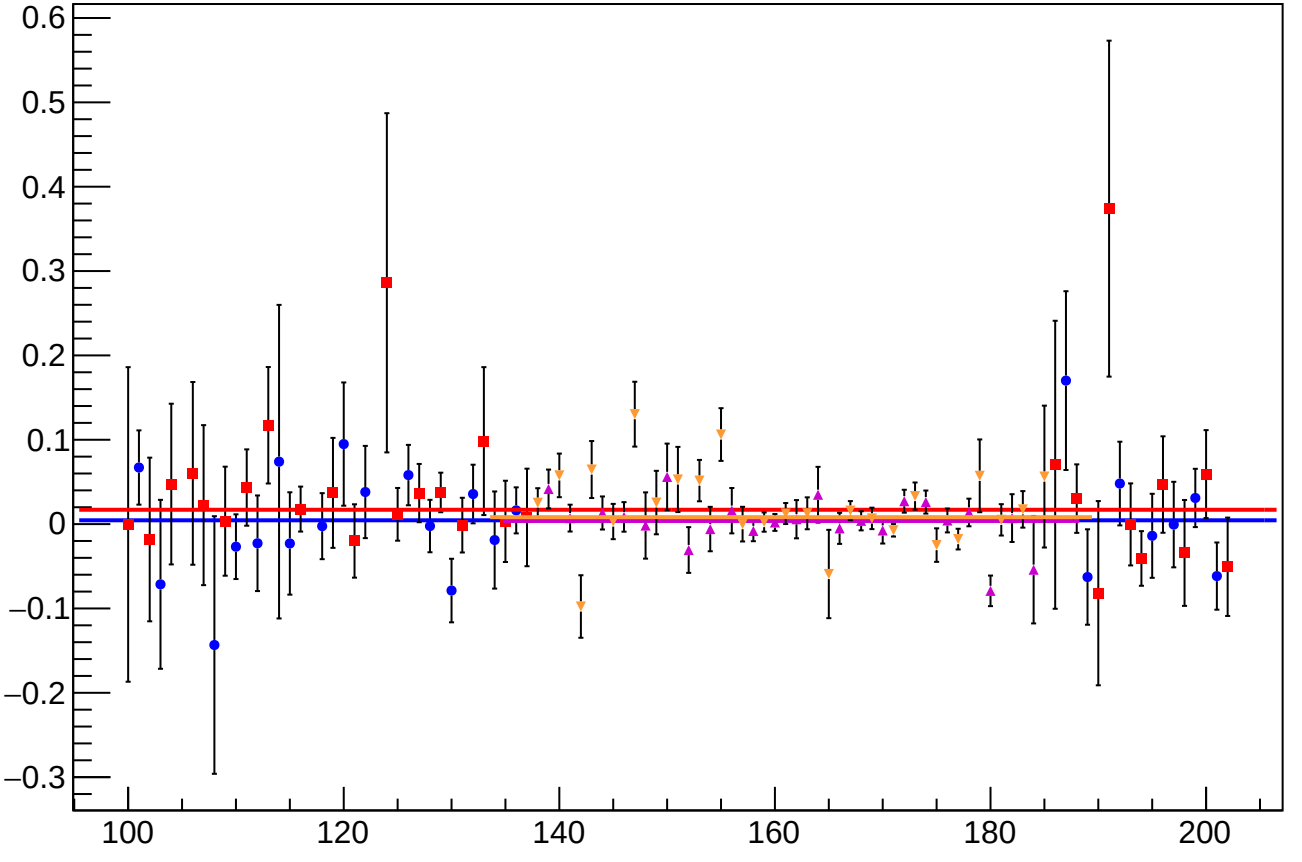
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9119857.4/47

All: 0.000+/-0.000 χ^2/NDF: 18084395.1/99

- sign 0.000+/-0.000 χ^2/NDF: 8883592.6/51

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.009 χ^2/NDF: 23.2/22

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/28

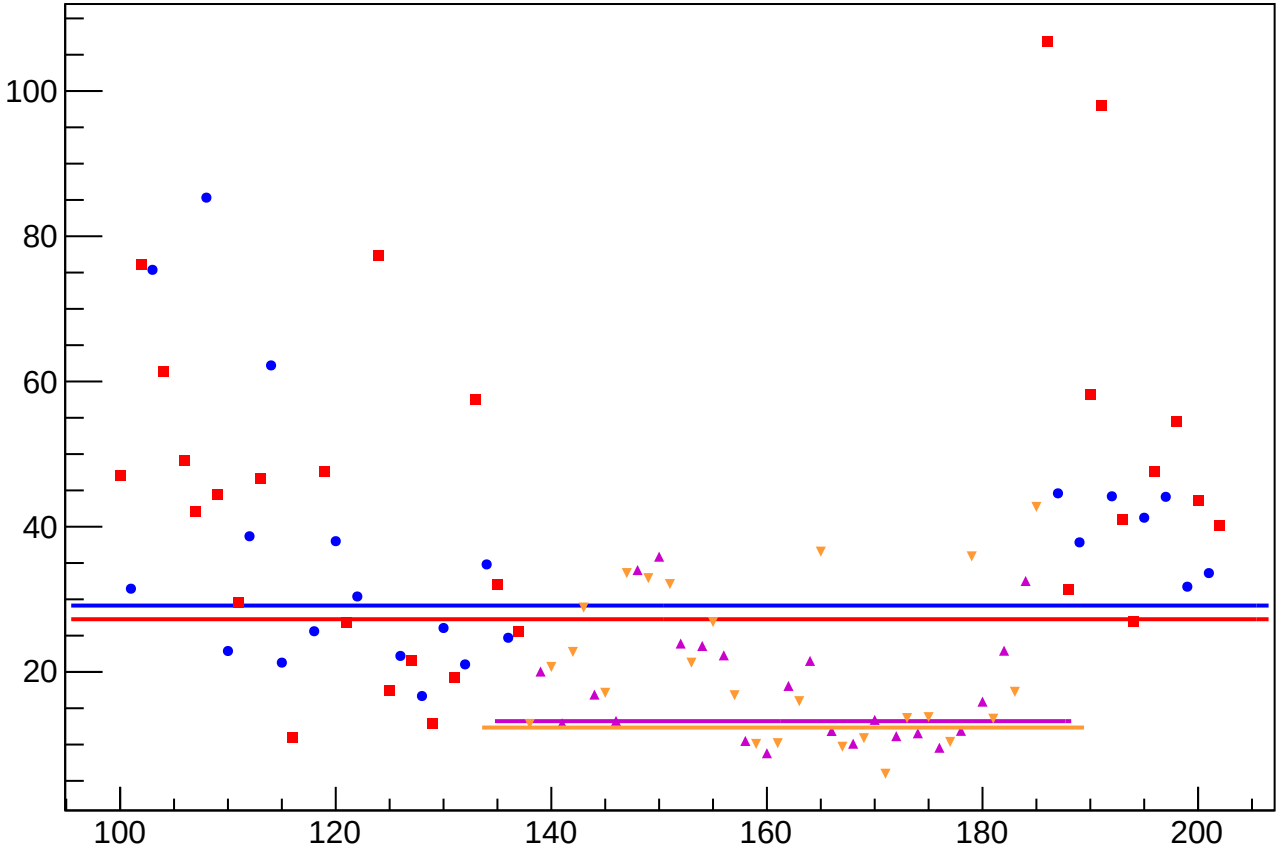
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 82.1/47

All: 0.007+/-0.002 χ^2/NDF: 139.8/99

- sign 0.006+/-0.003 χ^2/NDF: 57.5/51

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.141+/-0.007 χ^2/NDF: 2149892.0/22

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

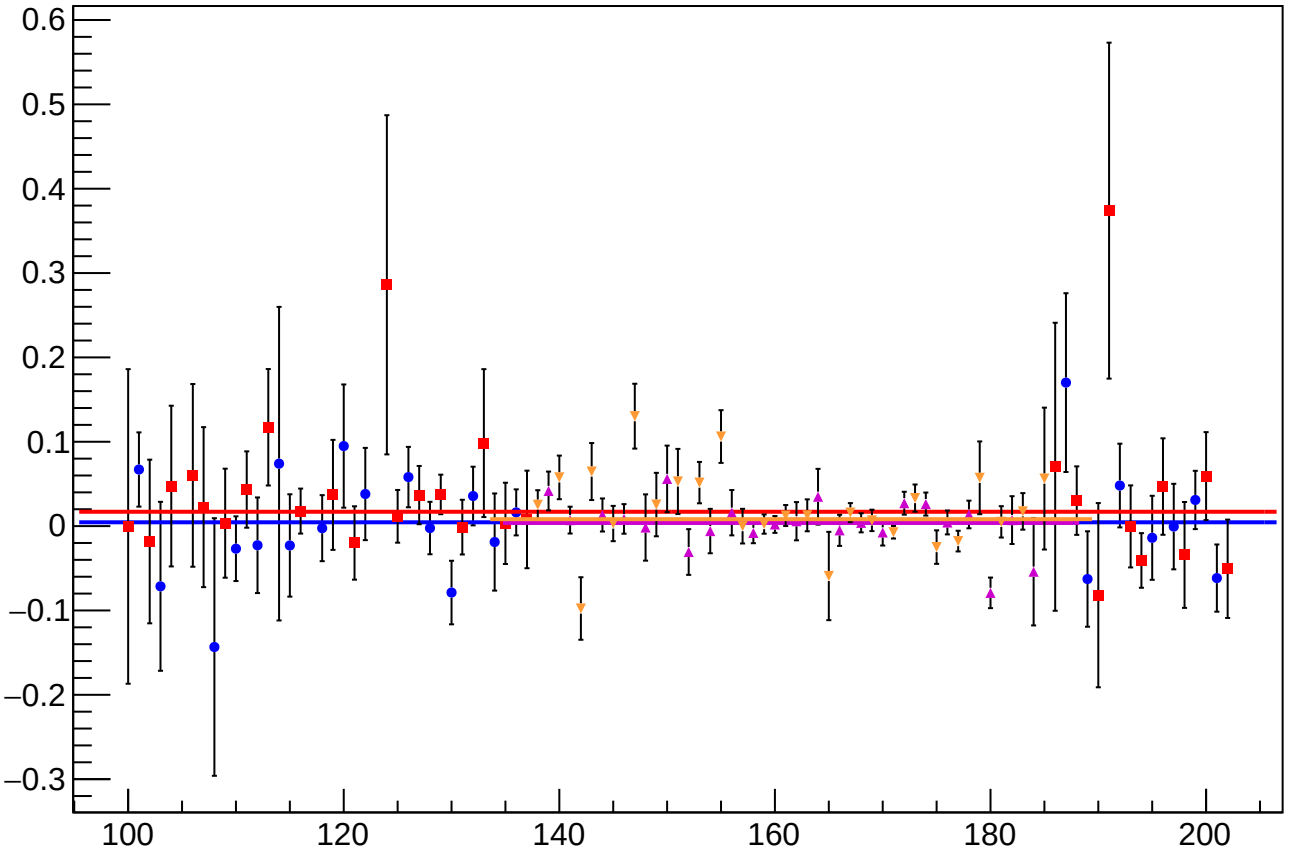
Right Out: 27.259+/-0.006 χ^2/NDF: 5628348.7/28

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.320+/-0.002 χ^2/NDF: 14462126.9/47

All: 14.744+/-0.002 χ^2/NDF: 28233795.2/99

- sign 15.202+/-0.002 χ^2/NDF: 13700652.8/51



Right In: 0.005+/-0.009 χ^2/NDF: 23.2/22

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

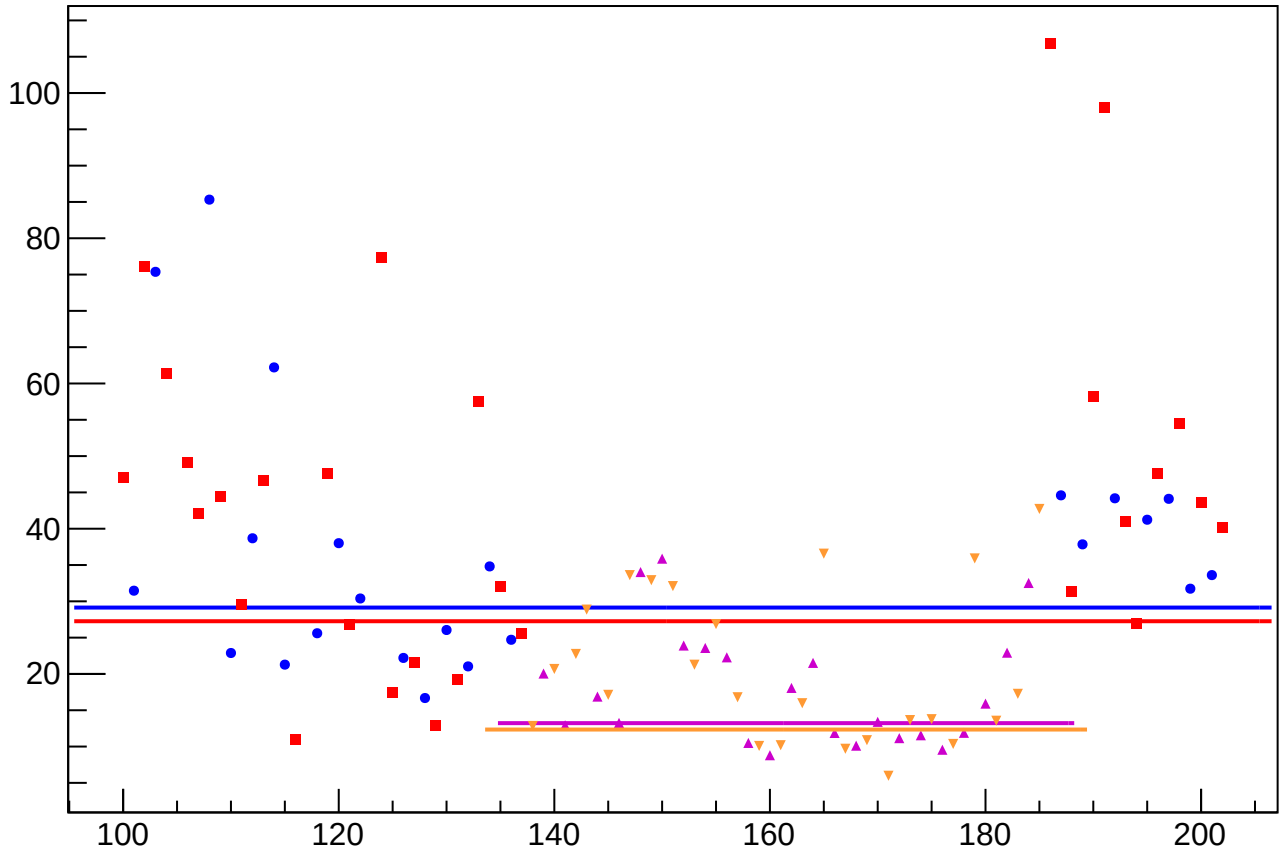
Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/28

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 82.1/47

All: 0.007+/-0.002 χ^2/NDF: 139.8/99

- sign 0.006+/-0.003 χ^2/NDF: 57.5/51



Right In: 29.141+/-0.007 χ^2/NDF: 2149892.0/22

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

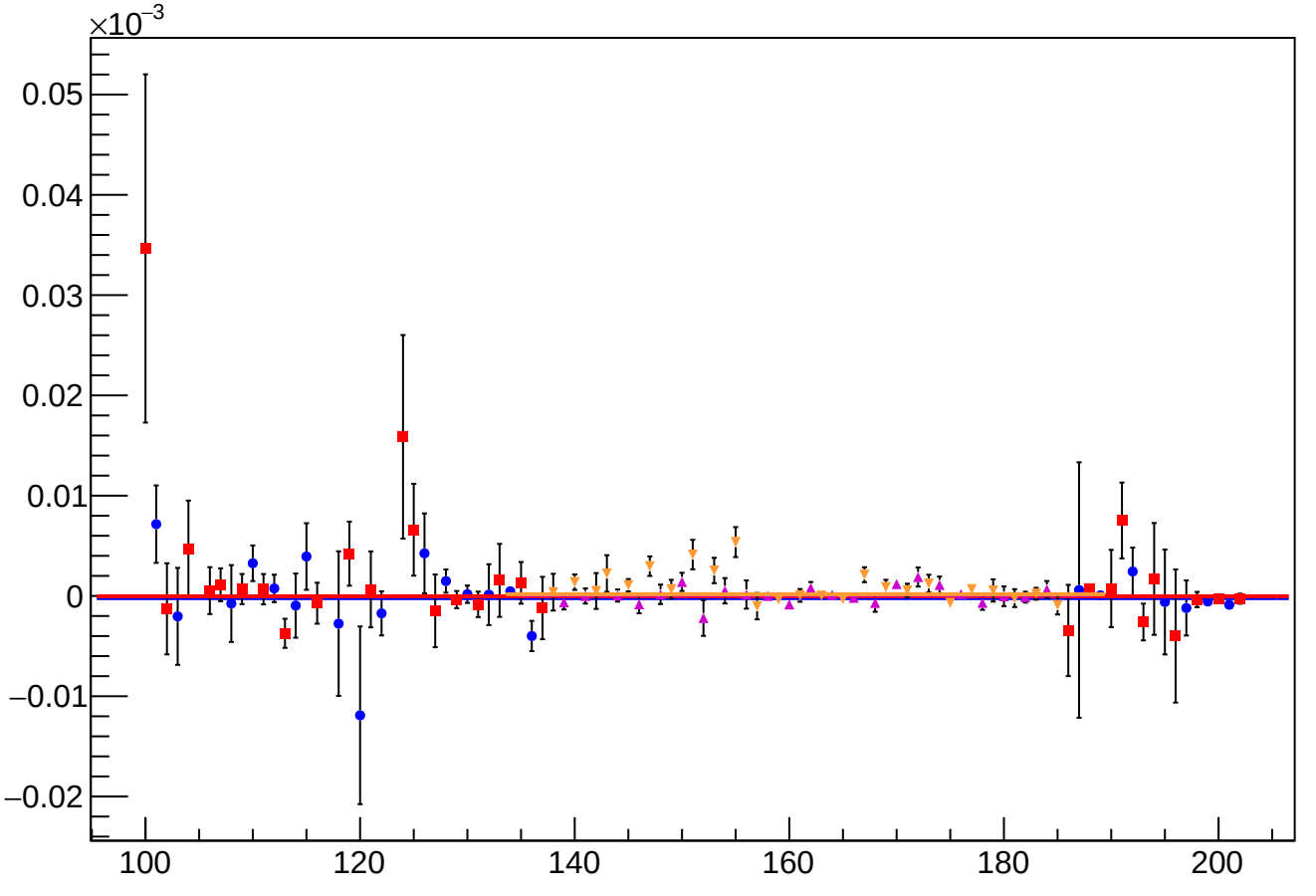
Right Out: 27.259+/-0.006 χ^2/NDF: 5628348.7/28

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.320+/-0.002 χ^2/NDF: 14462126.9/47

All: 14.744+/-0.002 χ^2/NDF: 28233795.2/99

- sign 15.202+/-0.002 χ^2/NDF: 13700652.8/51



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

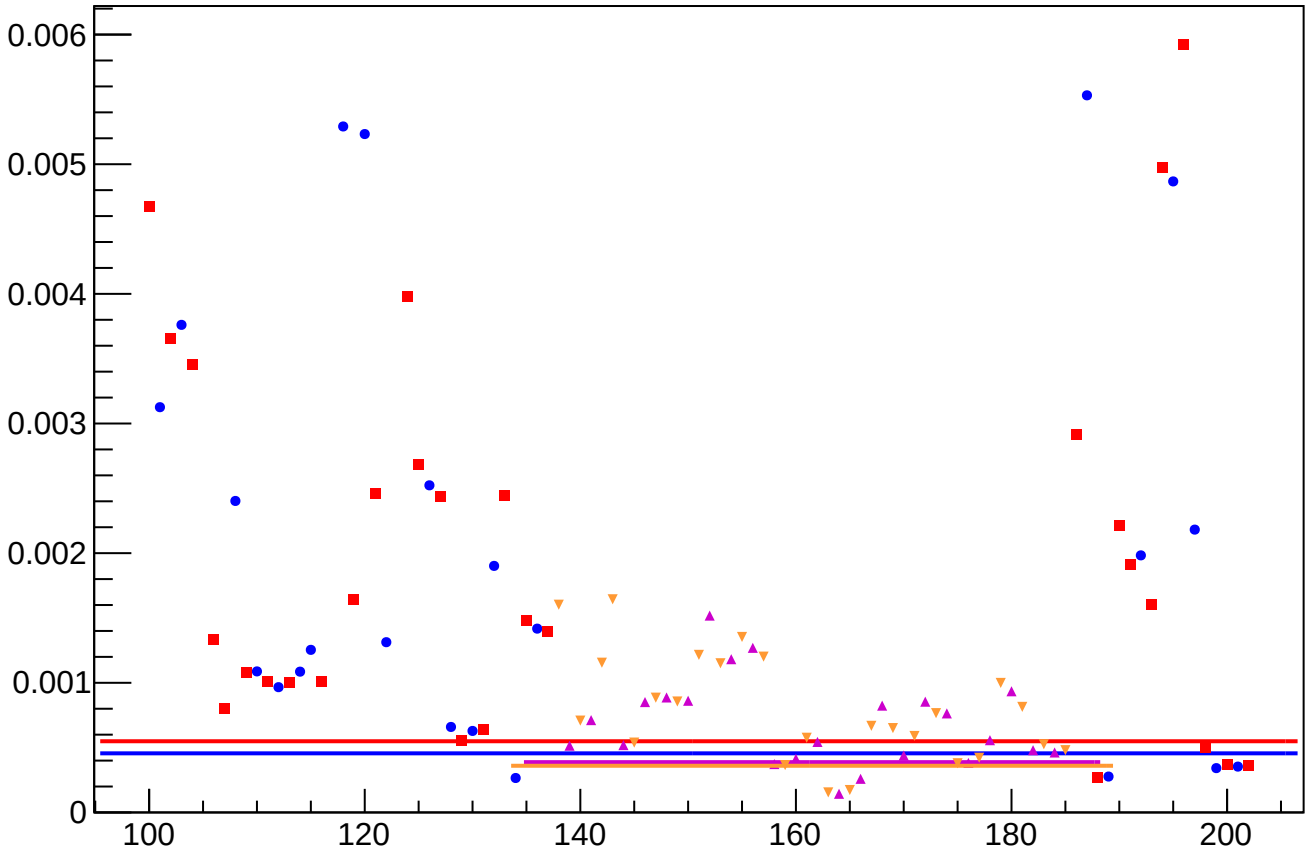
Right Out: -0.000+/-0.000 χ^2/NDF: 30.8/28

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 94.1/47

All: 0.000+/-0.000 χ^2/NDF: 149.7/99

- sign 0.000+/-0.000 χ^2/NDF: 55.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 11161623.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

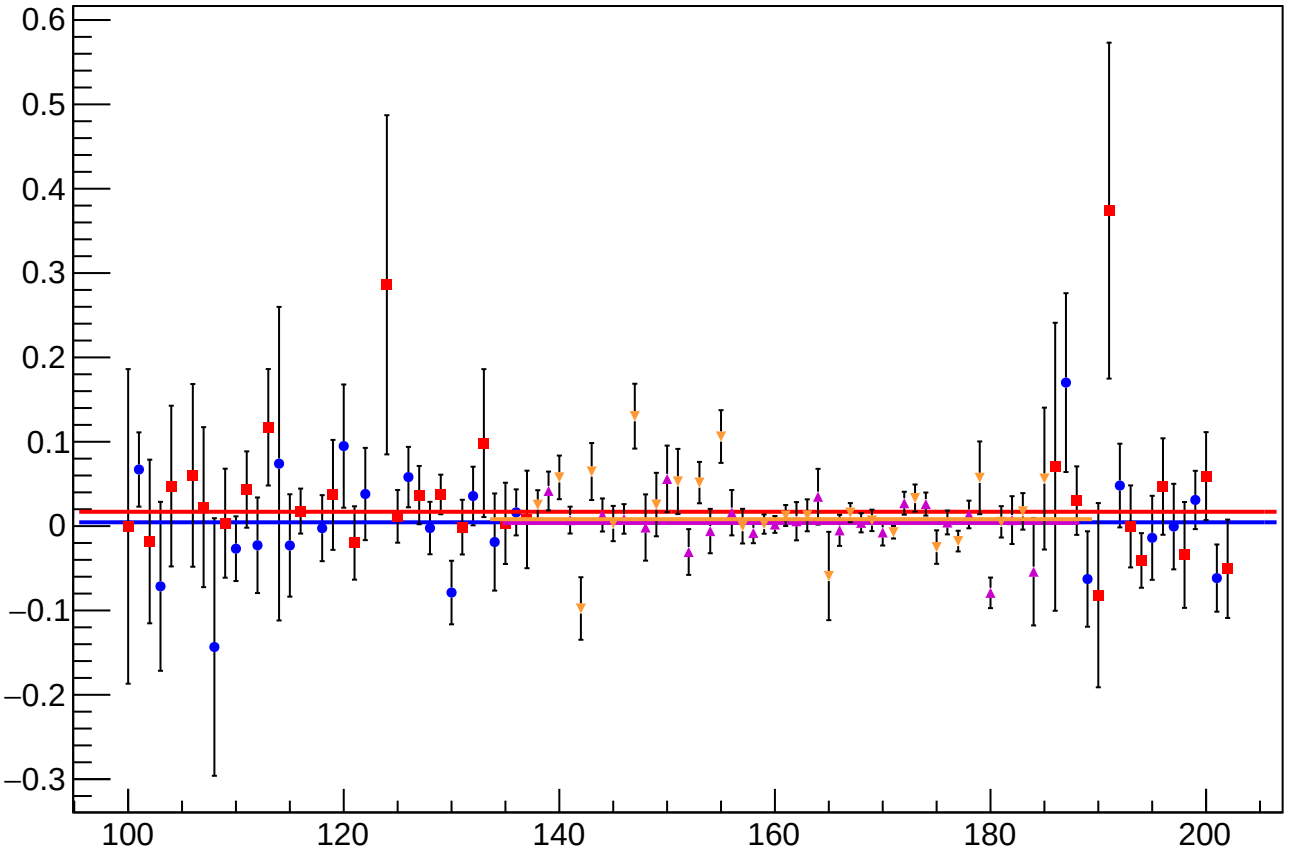
Right Out: 0.001+/-0.000 χ^2/NDF: 11647163.4/28

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 25569240.9/47

All: 0.000+/-0.000 χ^2/NDF: 48755540.9/99

- sign 0.000+/-0.000 χ^2/NDF: 23004487.7/51



Right In: 0.005+/-0.009 χ^2/NDF: 23.2/22

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

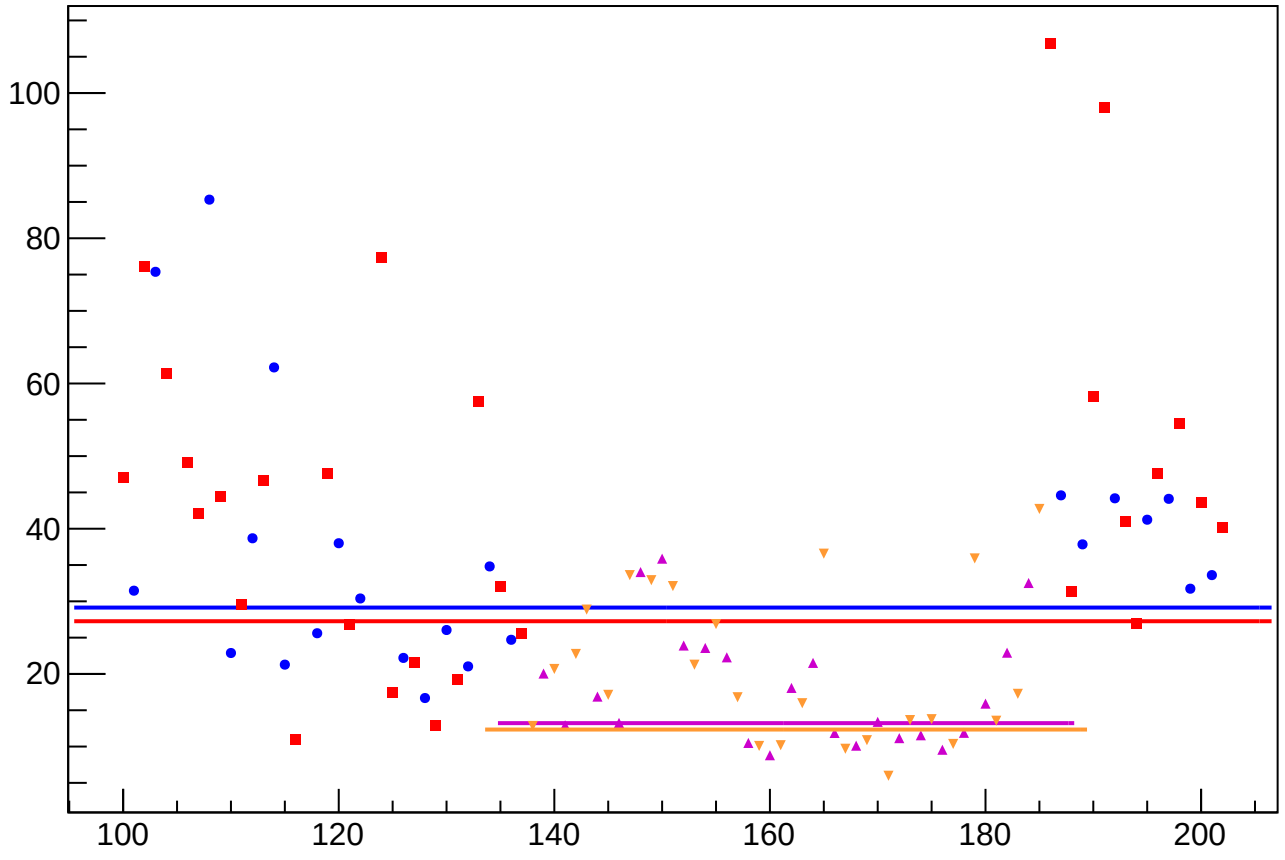
Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/28

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 82.1/47

All: 0.007+/-0.002 χ^2/NDF: 139.8/99

- sign 0.006+/-0.003 χ^2/NDF: 57.5/51



Right In: 29.141+/-0.007 χ^2/NDF: 2149818.2/22

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

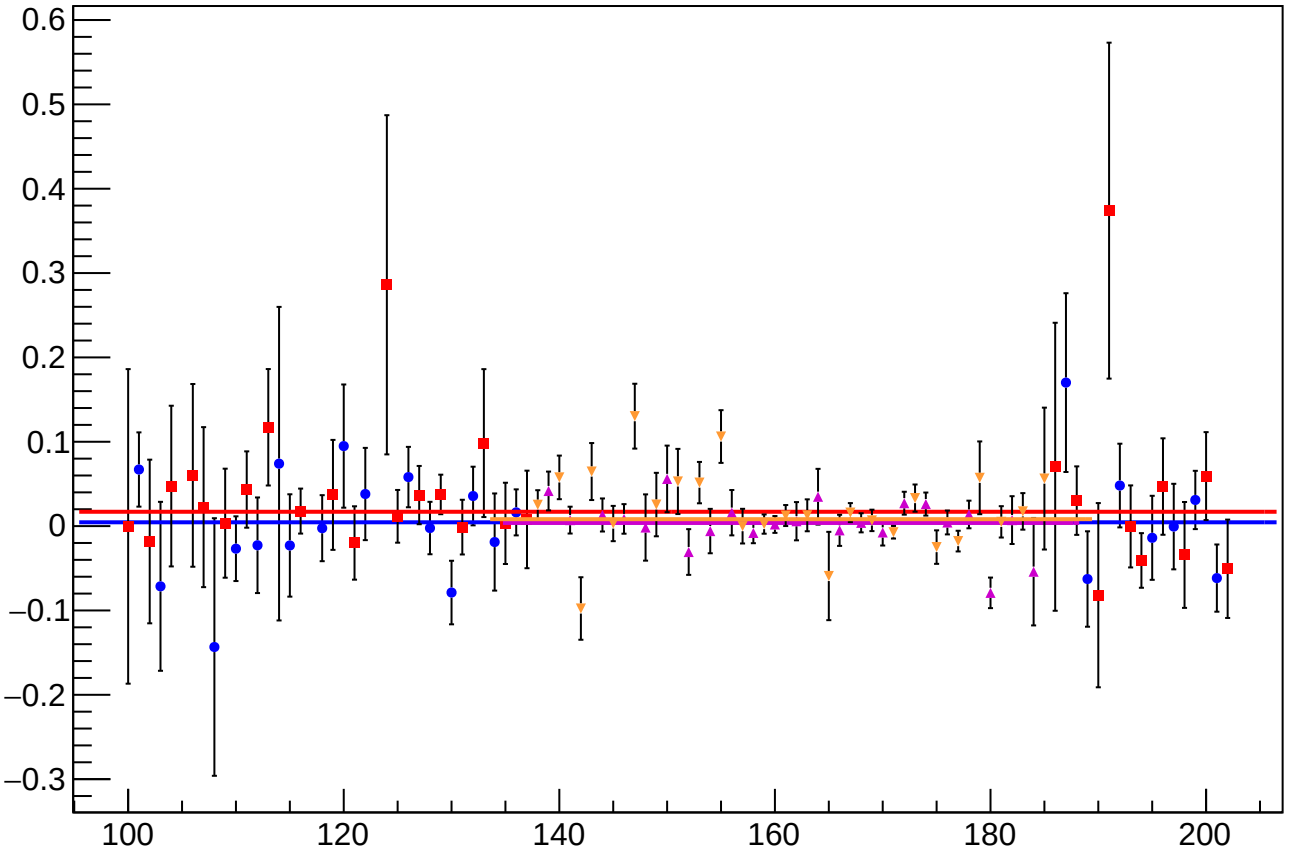
Right Out: 27.260+/-0.006 χ^2/NDF: 5628028.1/28

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.320+/-0.002 χ^2/NDF: 14462353.6/47

All: 14.745+/-0.002 χ^2/NDF: 28234070.6/99

- sign 15.202+/-0.002 χ^2/NDF: 13700705.6/51



Right In: 0.005+/-0.009 χ^2/NDF: 23.2/22

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

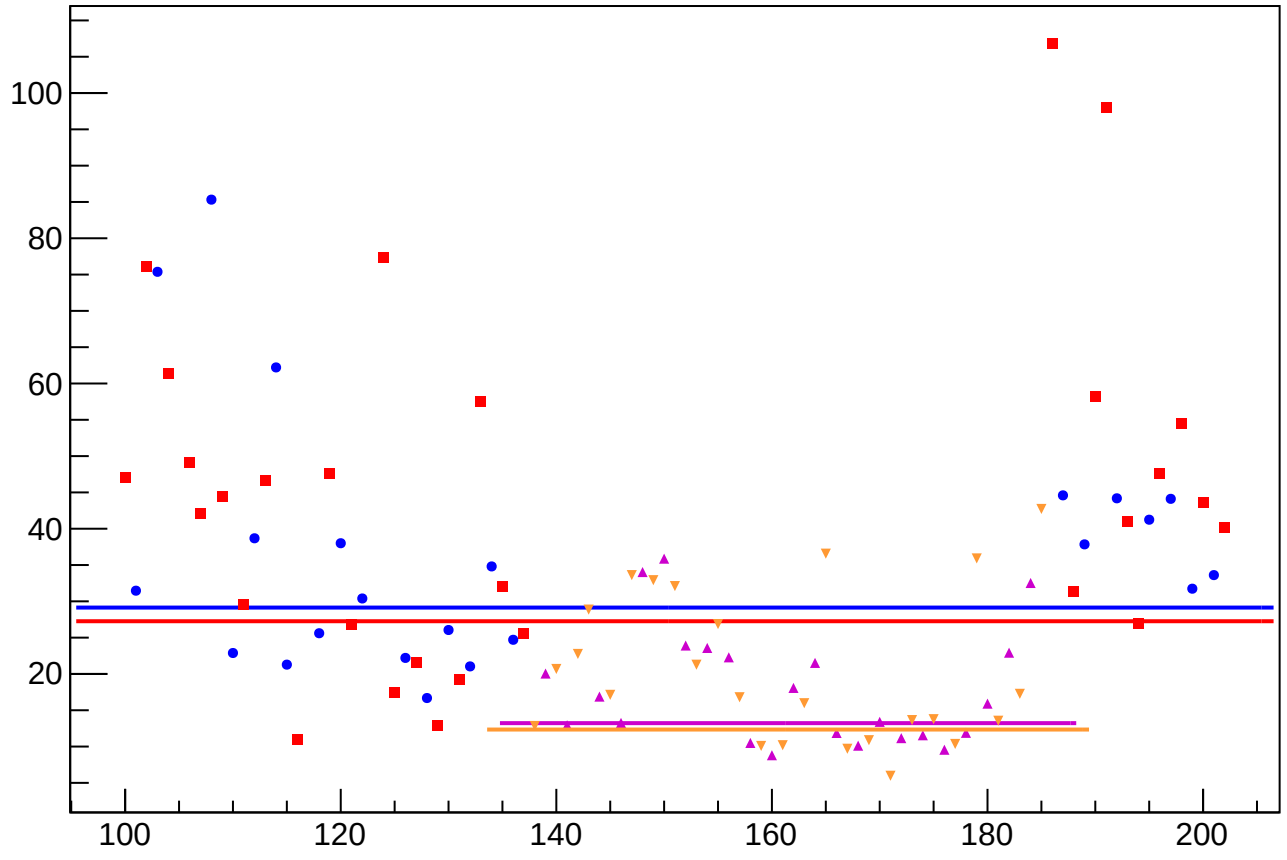
Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/28

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 82.1/47

All: 0.007+/-0.002 χ^2/NDF: 139.8/99

- sign 0.006+/-0.003 χ^2/NDF: 57.5/51



Right In: 29.141+/-0.007 χ^2/NDF: 2149818.2/22

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

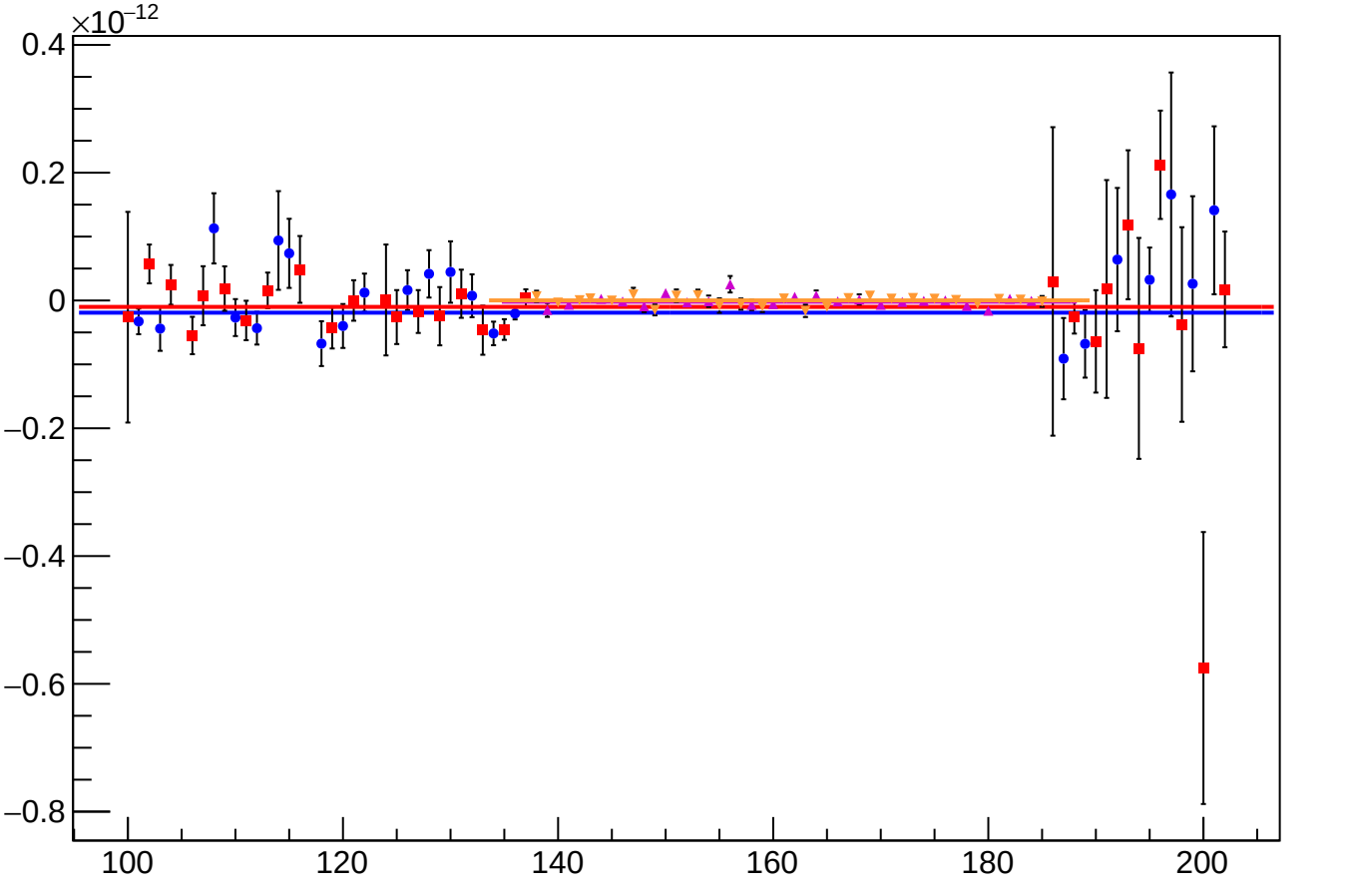
Right Out: 27.260+/-0.006 χ^2/NDF: 5628028.1/28

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

\+ sign 14.320+/-0.002 χ^2/NDF: 14462353.6/47

All: 14.745+/-0.002 χ^2/NDF: 28234070.6/99

\- sign 15.202+/-0.002 χ^2/NDF: 13700705.6/51



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

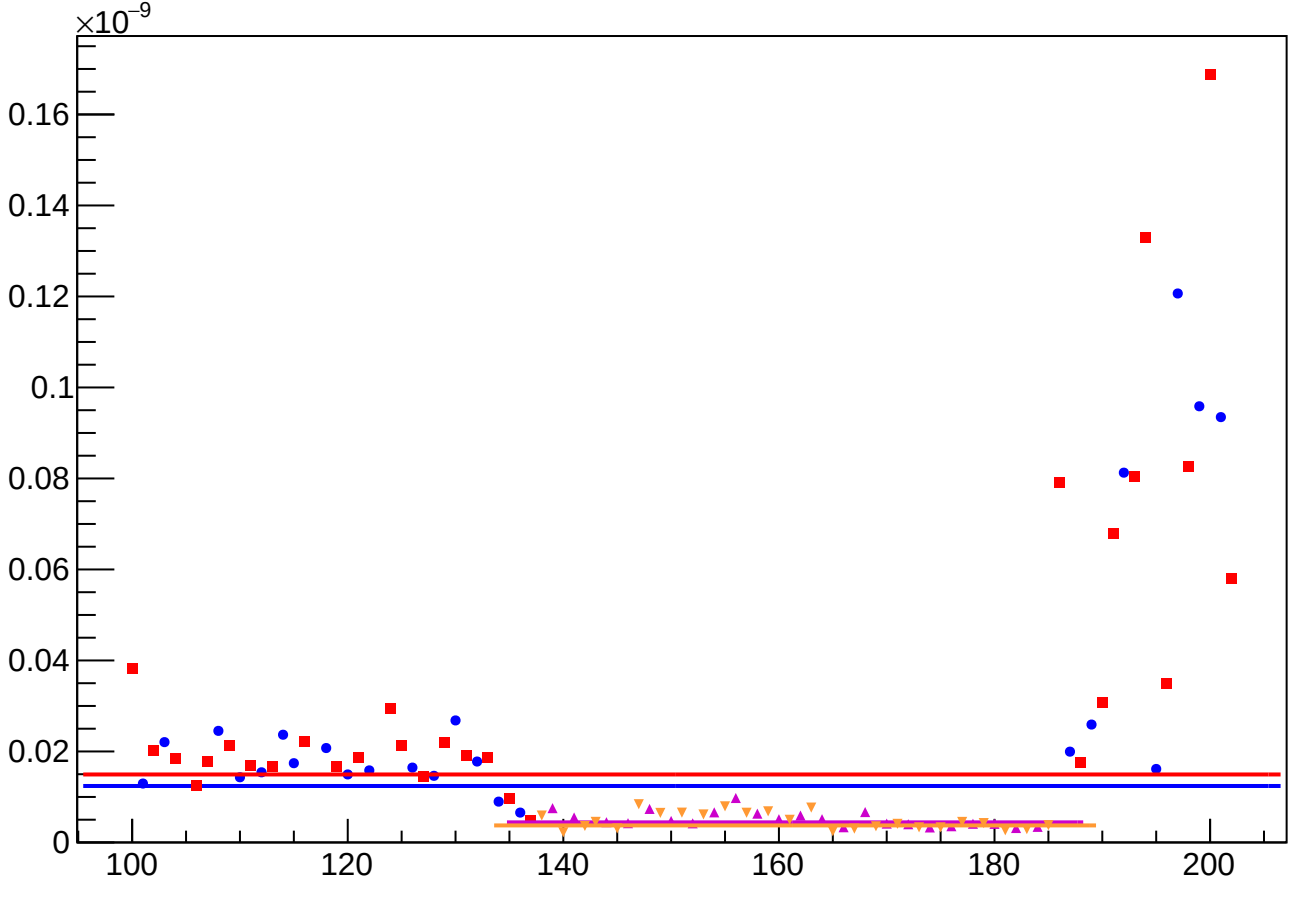
Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/28

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.6/47

All: -0.000+/-0.000 χ^2/NDF: 128.1/99

- sign -0.000+/-0.000 χ^2/NDF: 63.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 4716776.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5772636.6/28

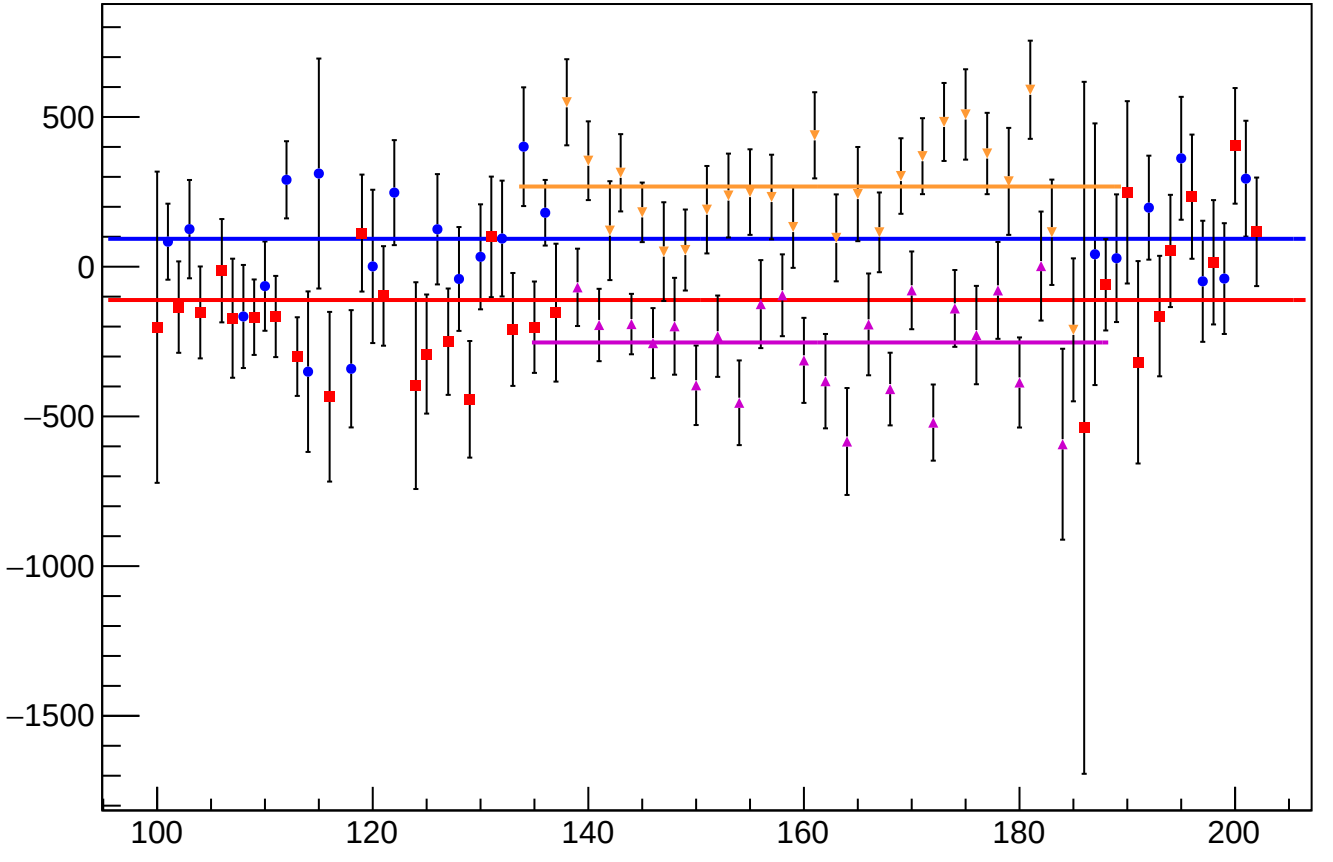
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11950400.7/47

All: 0.000+/-0.000 χ^2/NDF: 24949641.3/99

- sign 0.000+/-0.000 χ^2/NDF: 12600845.7/51

reg_asym_sam_48_dd_mean vs Slug



Right In: 93.128+/-37.066 χ^2/NDF: 22.7/22

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -111.285+/-34.823 χ^2/NDF: 27.1/28

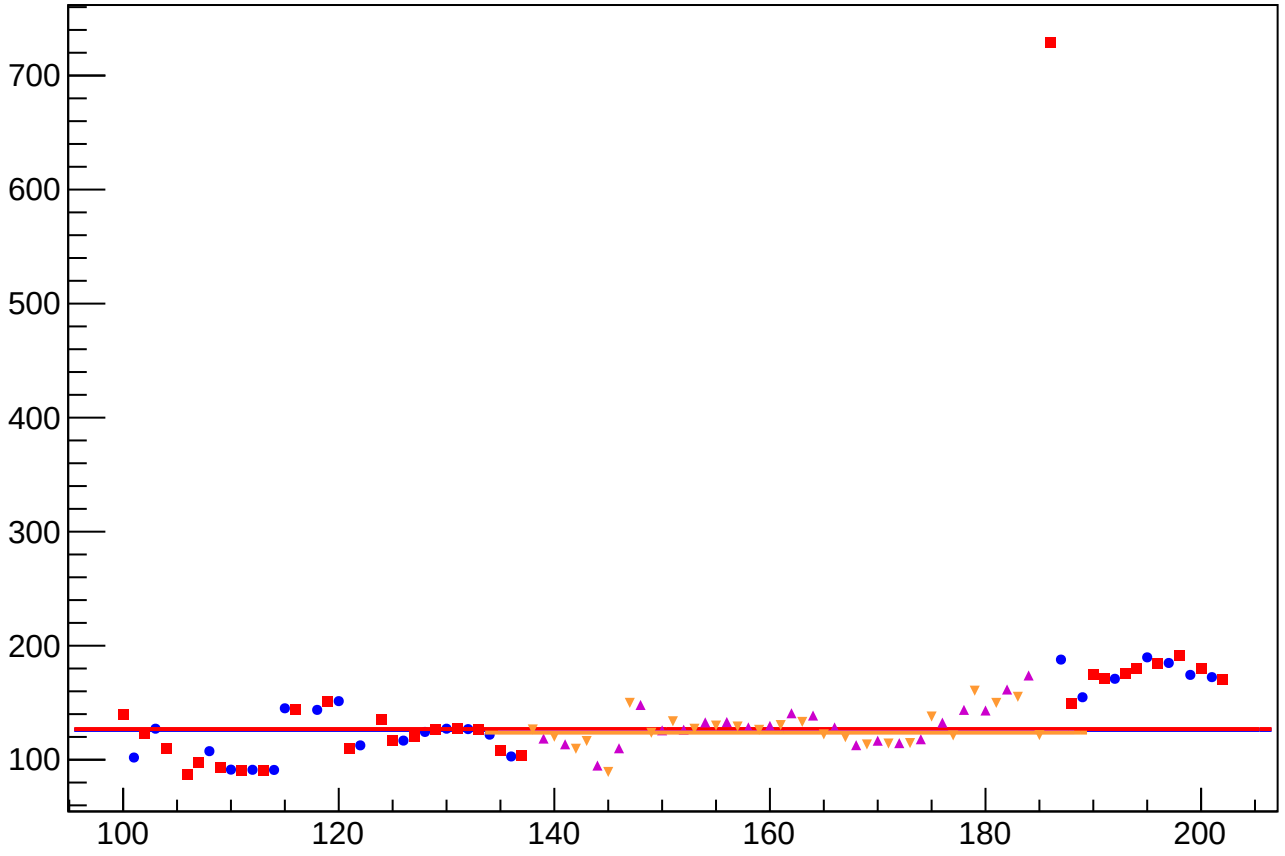
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 203.155+/-22.547 χ^2/NDF: 67.7/47

All: 3.374+/-15.900 χ^2/NDF: 286.8/99

- sign -194.257+/-22.426 χ^2/NDF: 62.9/51

reg_asym_sam_48_dd_rms vs Slug



Right In: 126.130+/-0.026 χ^2/NDF: 1356787.2/22

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.917+/-0.025 χ^2/NDF: 2304455.9/28

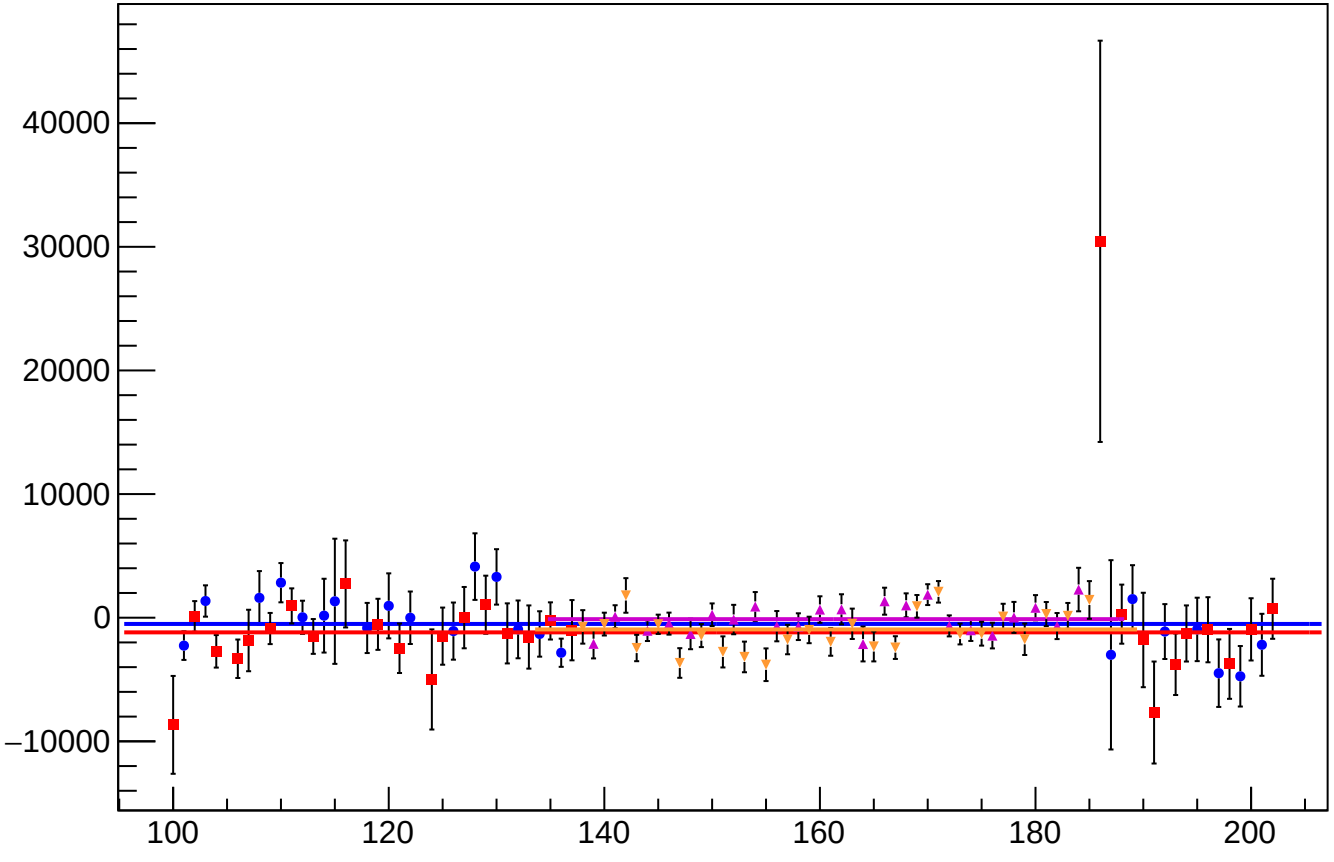
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.667+/-0.016 χ^2/NDF: 1960178.2/47

All: 125.016+/-0.011 χ^2/NDF: 4829624.1/99

- sign 125.361+/-0.016 χ^2/NDF: 2868492.0/51

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -505.309+/-406.941 χ^2/NDF: 27.2/22

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1187.016+/-382.190 χ^2/NDF: 23.8/28

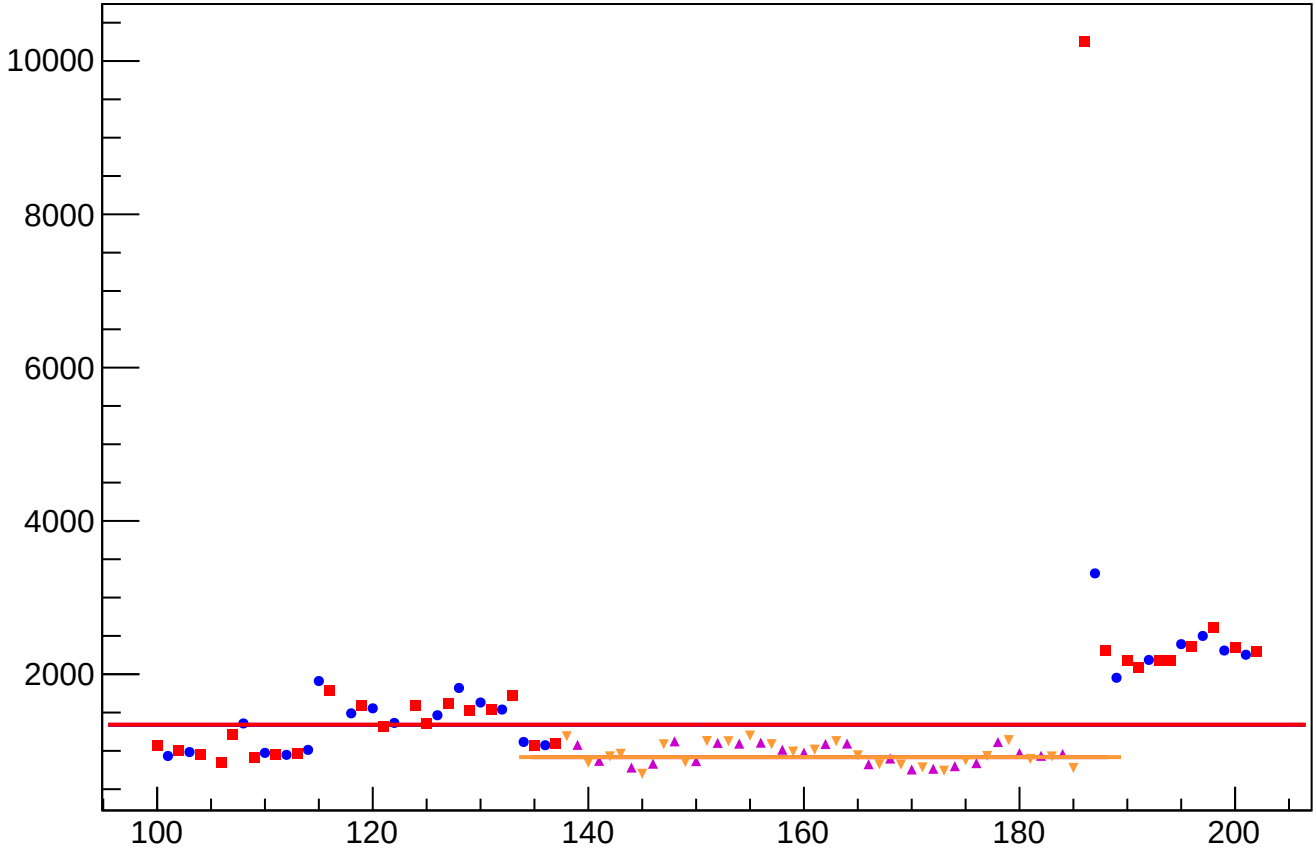
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

\+ sign -853.426+/-187.872 χ^2/NDF: 78.4/47

All: -617.517+/-133.177 χ^2/NDF: 135.6/99

\- sign -379.237+/-188.813 χ^2/NDF: 54.1/51

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1339.052+/-0.288 χ^2/NDF: 2814697.2/22

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1341.810+/-0.270 χ^2/NDF: 4249448.0/28

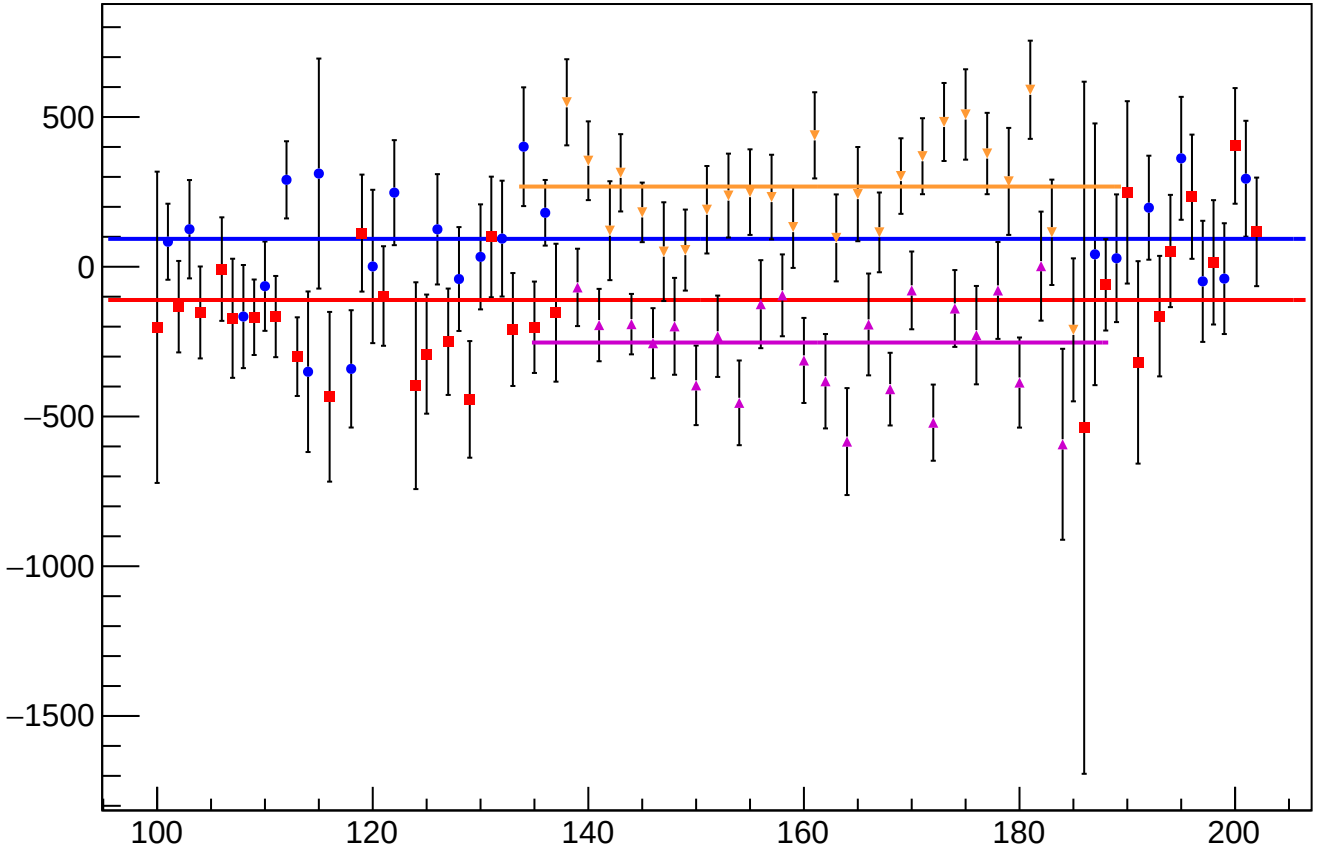
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1008.137+/-0.133 χ^2/NDF: 5383267.4/47

All: 1014.834+/-0.094 χ^2/NDF: 12161289.8/9

- sign 1021.599+/-0.134 χ^2/NDF: 6772913.2/51

cor_asym_sam_48_dd_mean vs Slug



Right In: 93.117+/-37.066 χ^2/NDF: 22.7/22

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -110.988+/-34.827 χ^2/NDF: 27.1/28

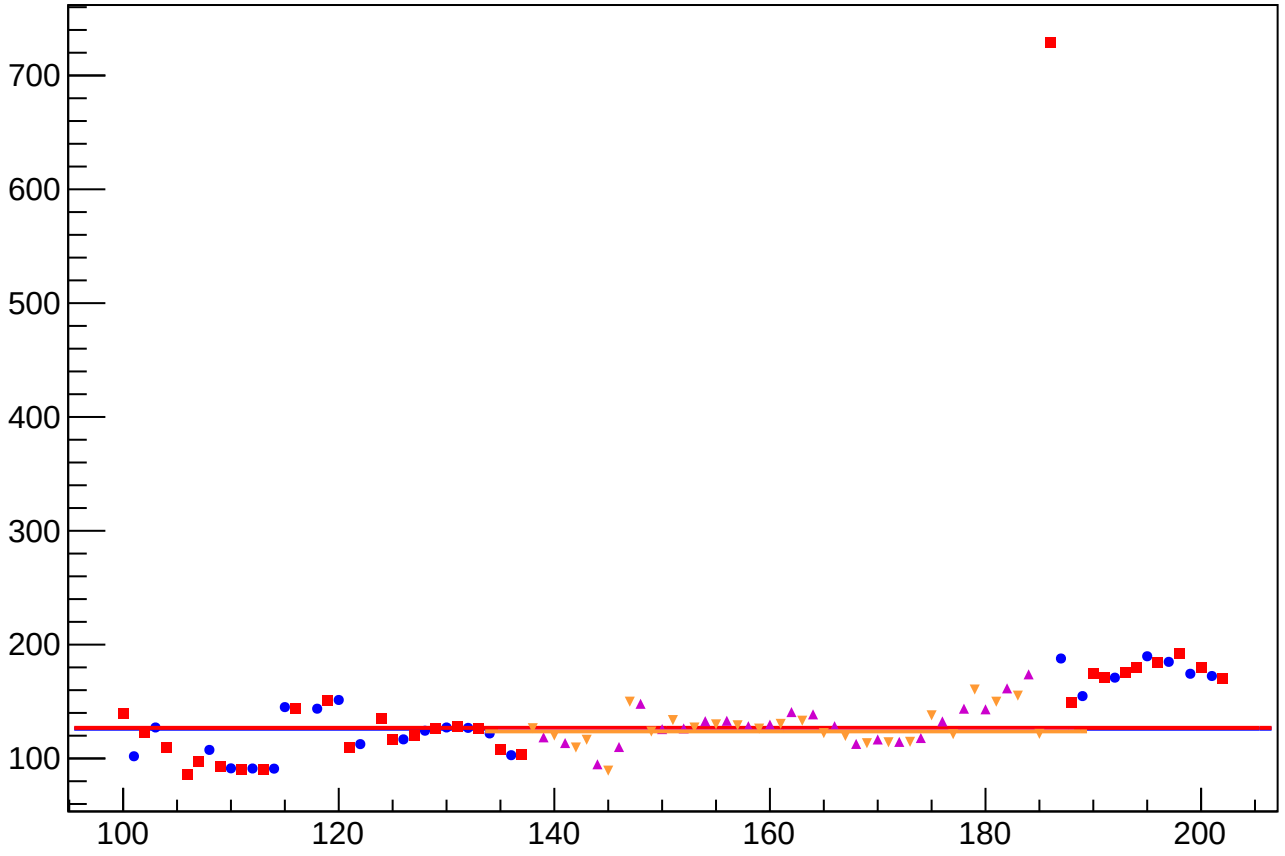
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 203.157+/-22.547 χ^2/NDF: 67.7/47

All: 3.441+/-15.900 χ^2/NDF: 286.8/99

- sign -194.142+/-22.426 χ^2/NDF: 63.0/51

cor_asym_sam_48_dd_rms vs Slug



Right In: 126.130+/-0.026 χ^2/NDF: 1356787.3/22

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

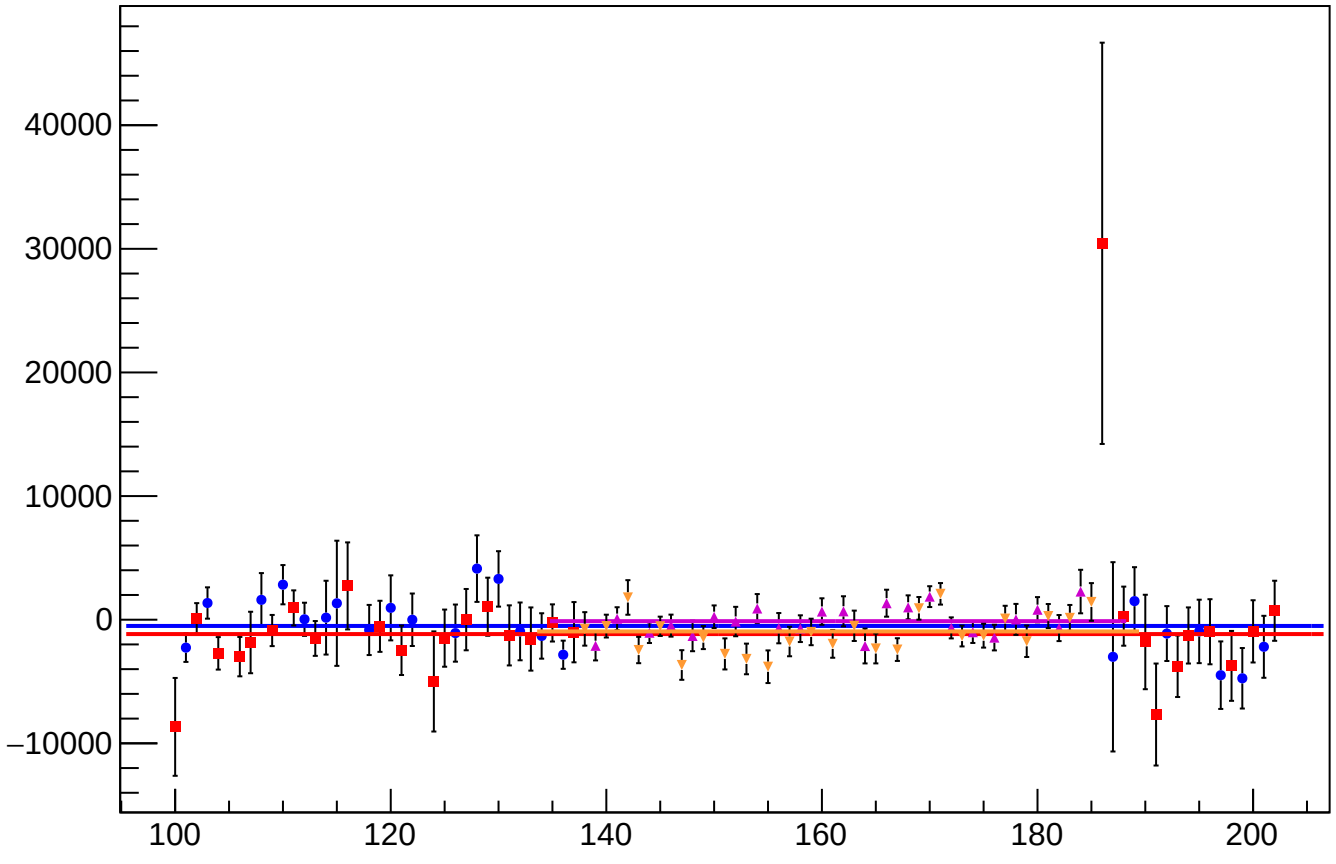
Right Out: 126.879+/-0.025 χ^2/NDF: 2310232.7/28

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.667+/-0.016 χ^2/NDF: 1960178.4/47

All: 125.008+/-0.011 χ^2/NDF: 4835165.7/99

- sign 125.346+/-0.016 χ^2/NDF: 2874076.2/51



Right In: -505.387+/-406.943 χ^2/NDF: 27.2/22

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1162.135+/-382.732 χ^2/NDF: 23.1/28

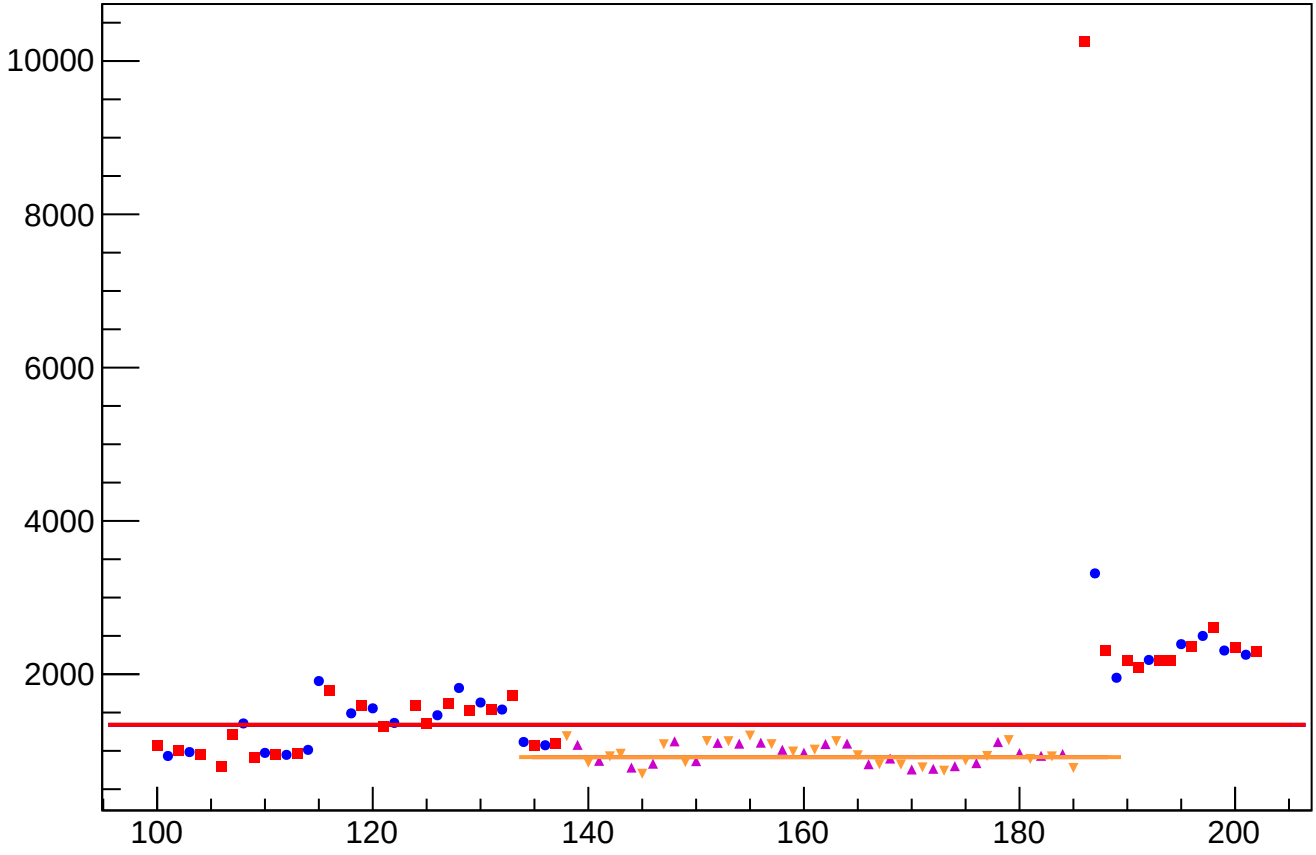
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -853.434+/-187.872 χ^2/NDF: 78.4/47

All: -614.312+/-133.200 χ^2/NDF: 134.8/99

- sign -372.621+/-188.879 χ^2/NDF: 53.2/51

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1339.063+/-0.288 χ^2/NDF: 2814627.1/22

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1340.317+/-0.271 χ^2/NDF: 4281222.4/28

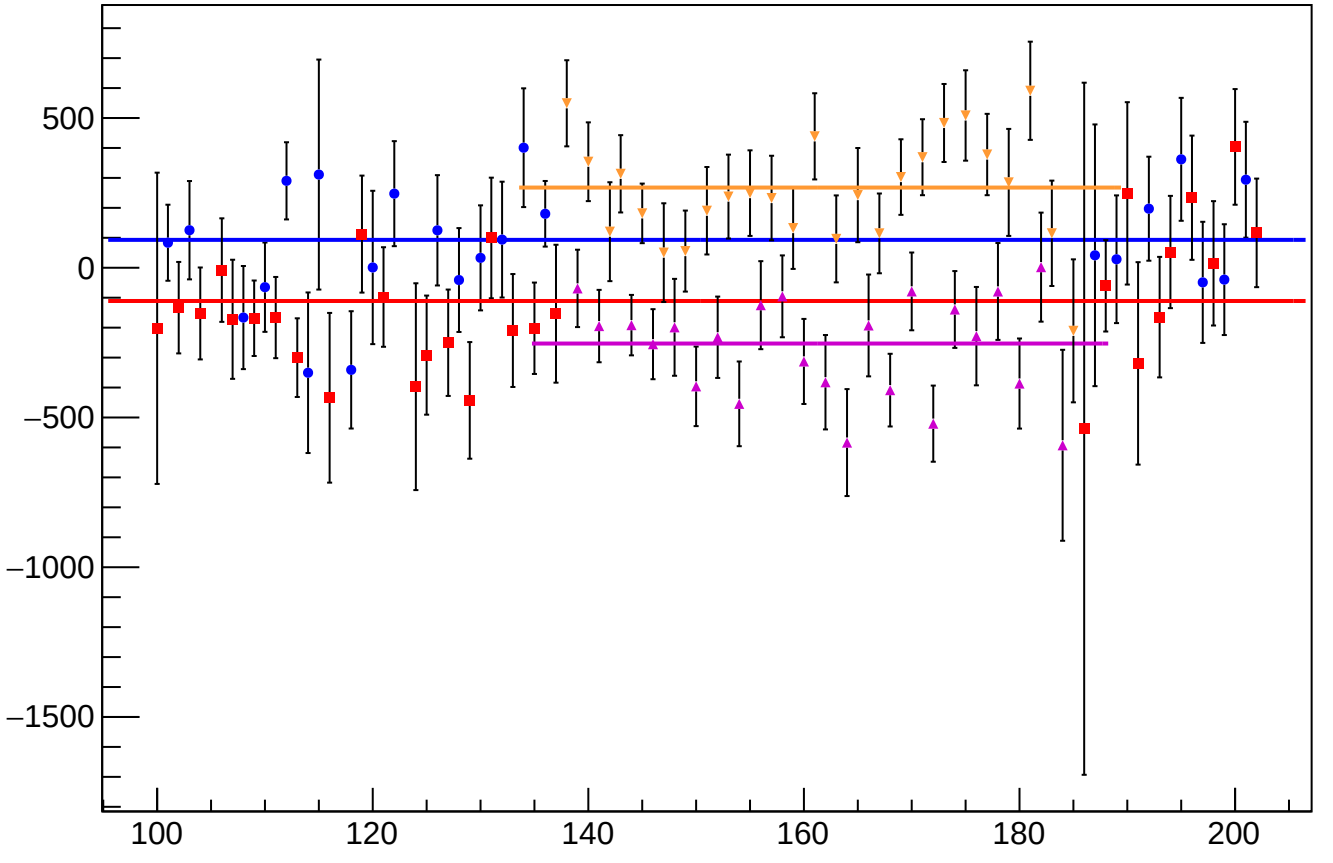
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1008.138+/-0.133 χ^2/NDF: 5383262.6/47

All: 1014.542+/-0.094 χ^2/NDF: 12175605.0/9

- sign 1021.015+/-0.134 χ^2/NDF: 6787670.1/51

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 93.117+/-37.066 χ^2/NDF: 22.7/22

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -110.988+/-34.827 χ^2/NDF: 27.1/28

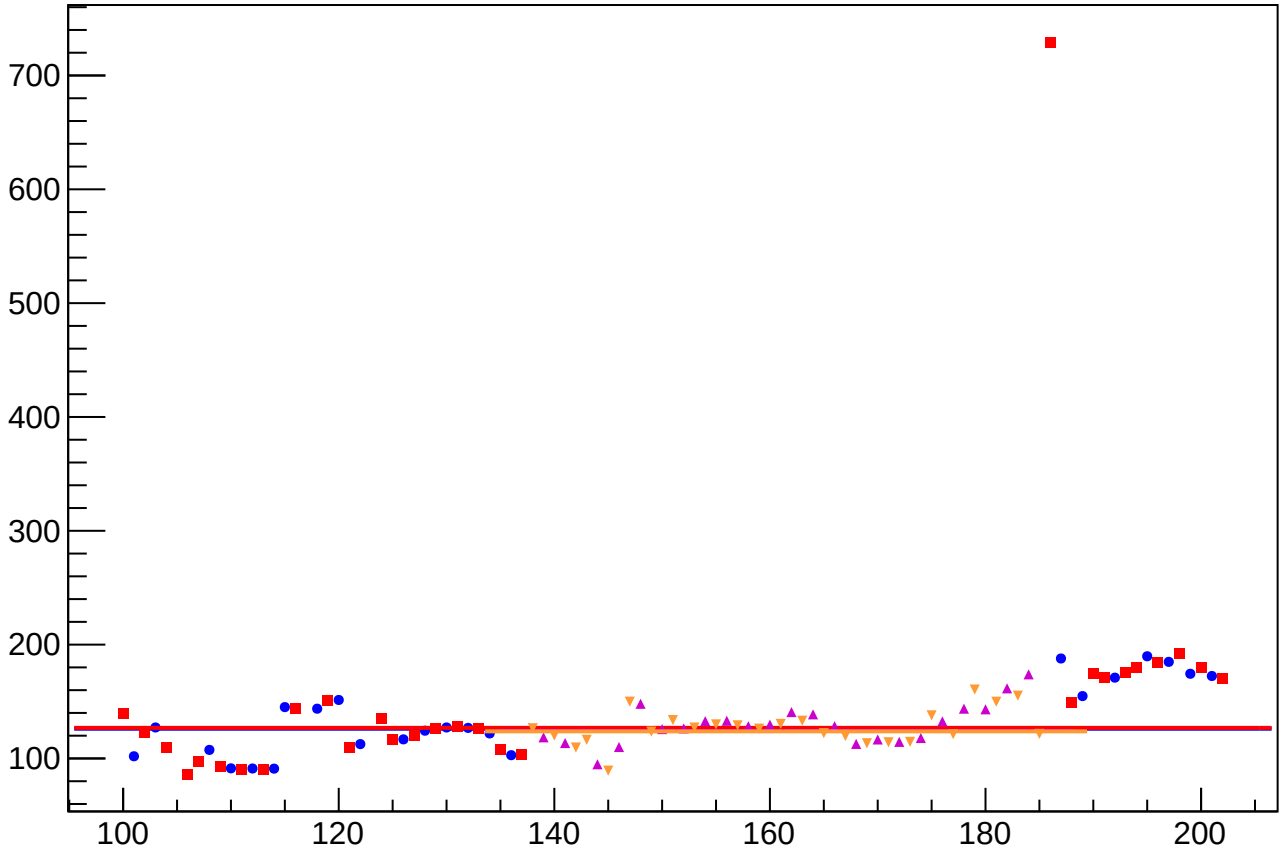
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 203.157+/-22.547 χ^2/NDF: 67.7/47

All: 3.441+/-15.900 χ^2/NDF: 286.8/99

- sign -194.142+/-22.426 χ^2/NDF: 63.0/51

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 126.130+/-0.026 χ^2/NDF: 1356787.3/22

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

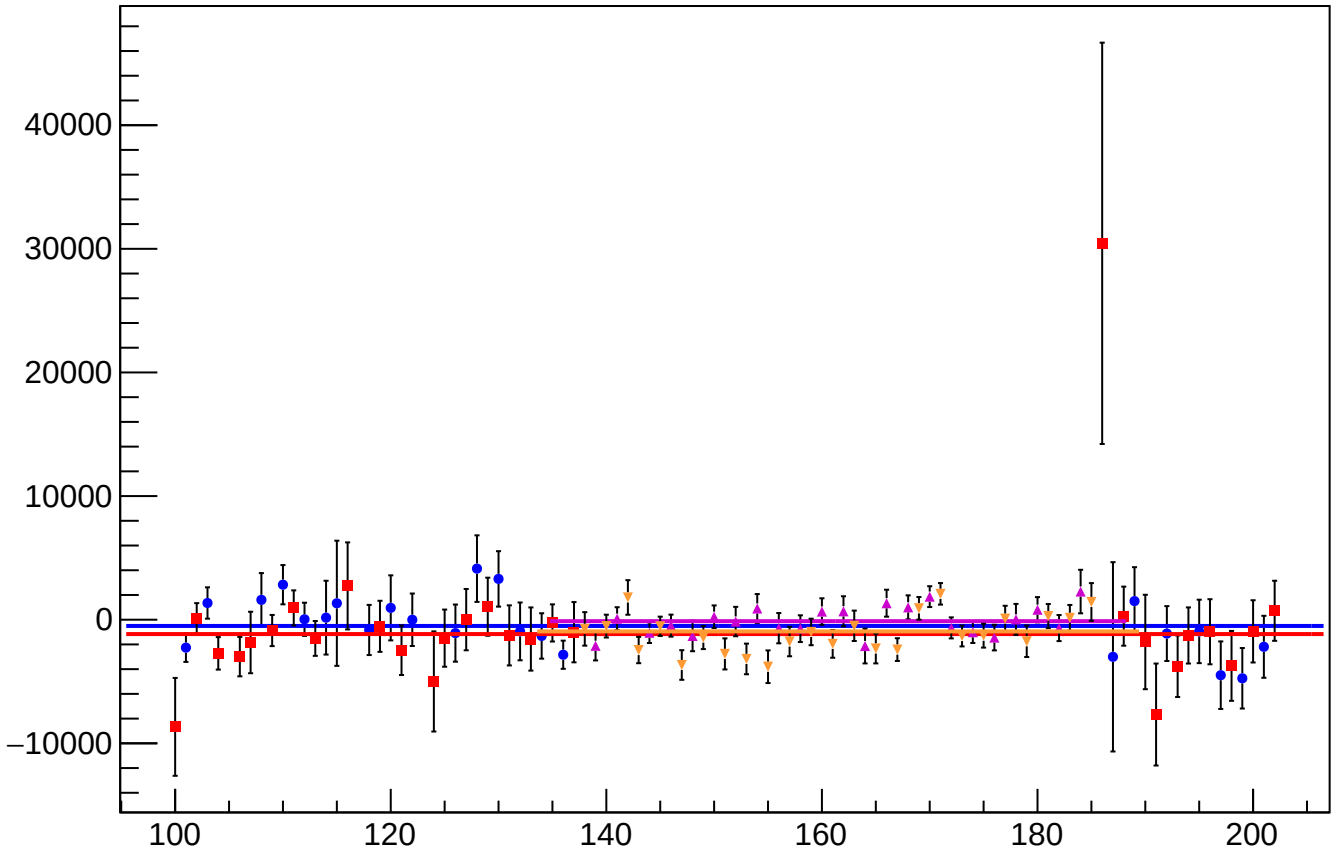
Right Out: 126.879+/-0.025 χ^2/NDF: 2310232.7/28

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.667+/-0.016 χ^2/NDF: 1960178.4/47

All: 125.008+/-0.011 χ^2/NDF: 4835165.7/99

- sign 125.346+/-0.016 χ^2/NDF: 2874076.2/51



Right In: -505.387+/-406.943 χ^2/NDF: 27.2/22

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1162.135+/-382.732 χ^2/NDF: 23.1/28

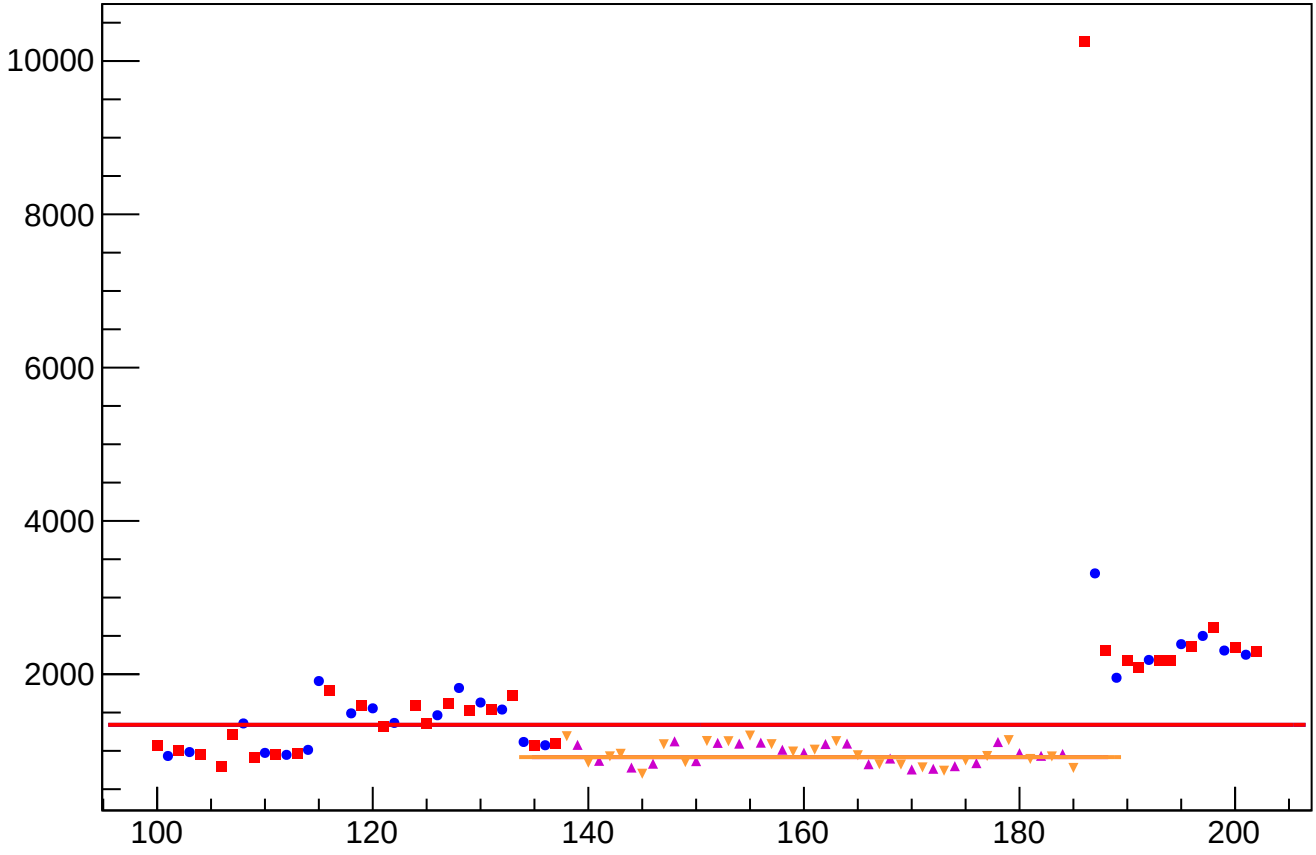
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -853.434+/-187.872 χ^2/NDF: 78.4/47

All: -614.312+/-133.200 χ^2/NDF: 134.8/99

- sign -372.621+/-188.879 χ^2/NDF: 53.2/51

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1339.063+/-0.288 χ^2/NDF: 2814627.1/22

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1340.317+/-0.271 χ^2/NDF: 4281222.4/28

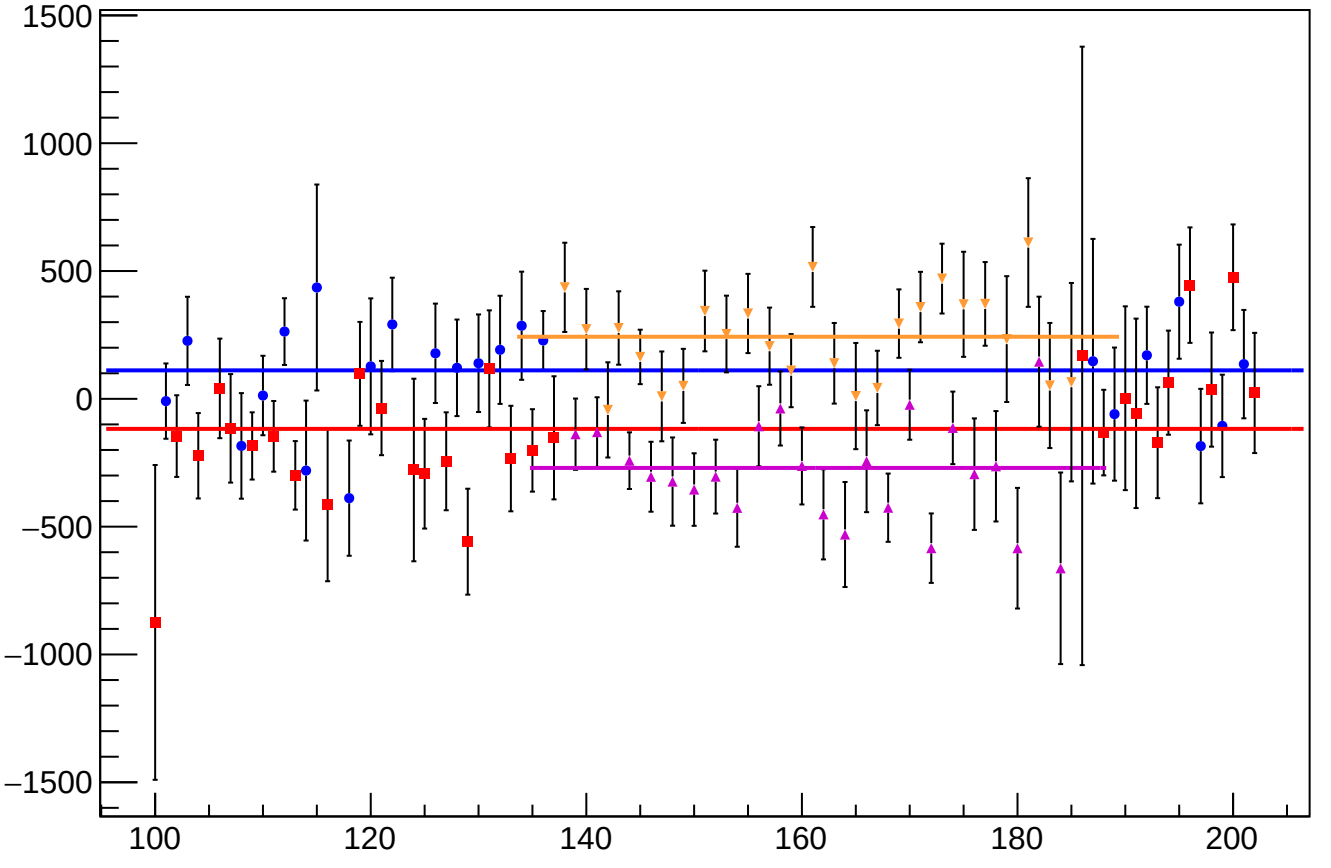
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1008.138+/-0.133 χ^2/NDF: 5383262.6/47

All: 1014.542+/-0.094 χ^2/NDF: 12175605.0/9

- sign 1021.015+/-0.134 χ^2/NDF: 6787670.1/51

dit_asym_sam_48_dd_mean vs Slug



Right In: 111.375+/-40.076 χ^2/NDF: 20.4/22

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -117.503+/-37.447 χ^2/NDF: 30.9/28

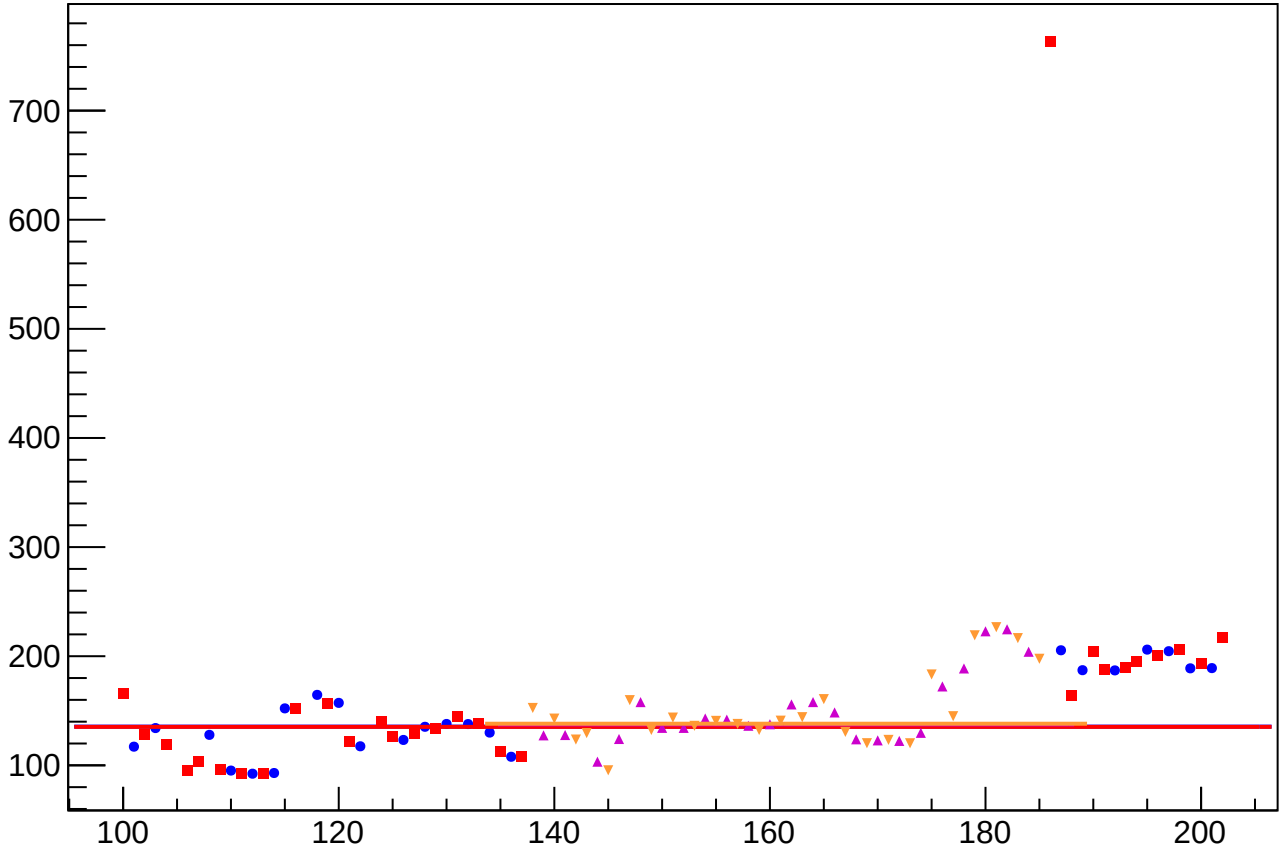
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 191.416+/-25.072 χ^2/NDF: 50.6/47

All: -9.004+/-17.600 χ^2/NDF: 243.6/99

- sign -203.720+/-24.713 χ^2/NDF: 67.0/51

dit_asym_sam_48_dd_rms vs Slug



Right In: 135.484+/-0.028 χ^2/NDF: 1559263.6/22

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 135.244+/-0.026 χ^2/NDF: 2618930.1/28

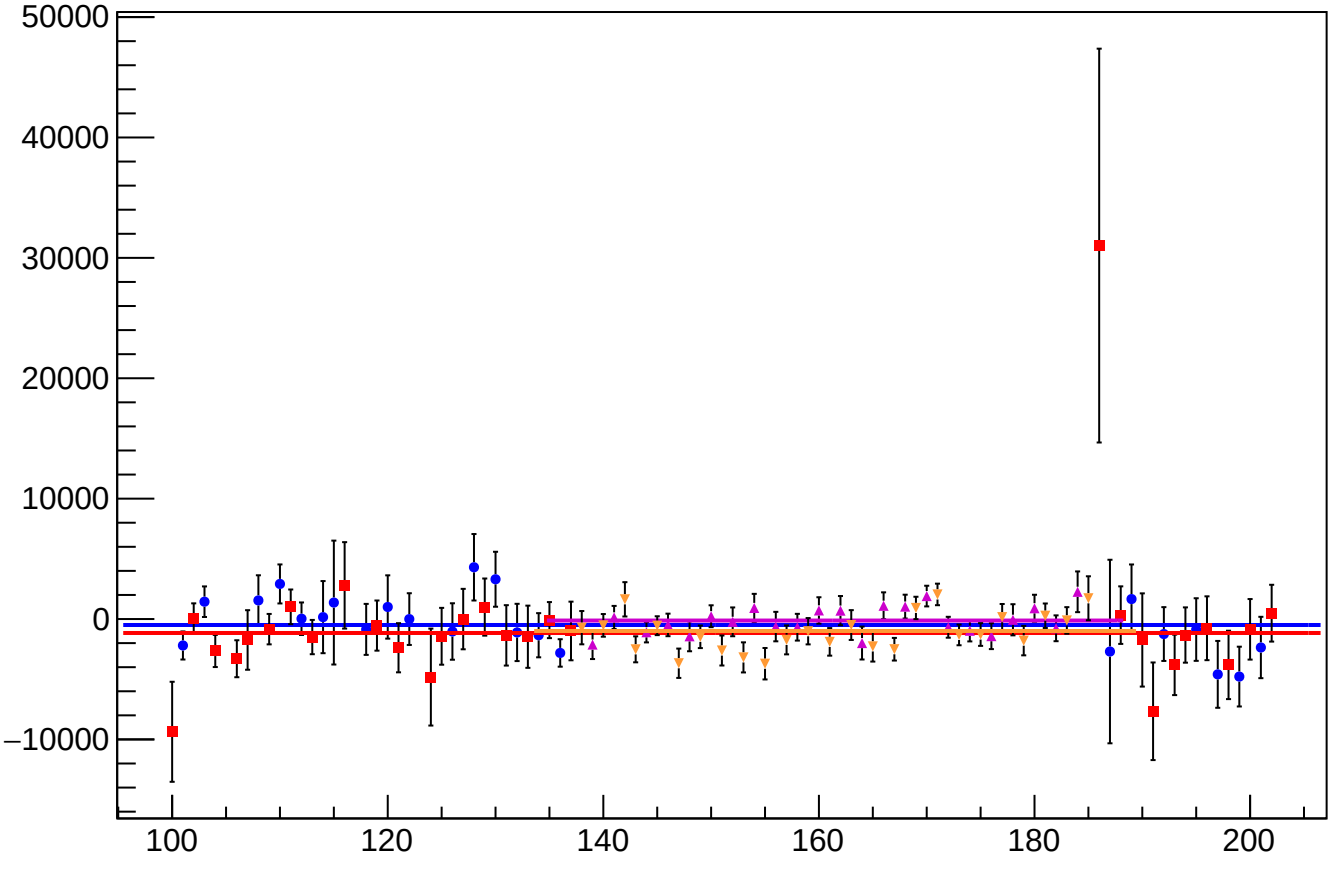
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 137.093+/-0.018 χ^2/NDF: 2902865.6/47

All: 136.798+/-0.012 χ^2/NDF: 6635739.1/99

- sign 136.512+/-0.017 χ^2/NDF: 3732329.8/51

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -494.879+/-410.656 χ^2/NDF: 27.3/22

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1158.459+/-384.325 χ^2/NDF: 24.0/28

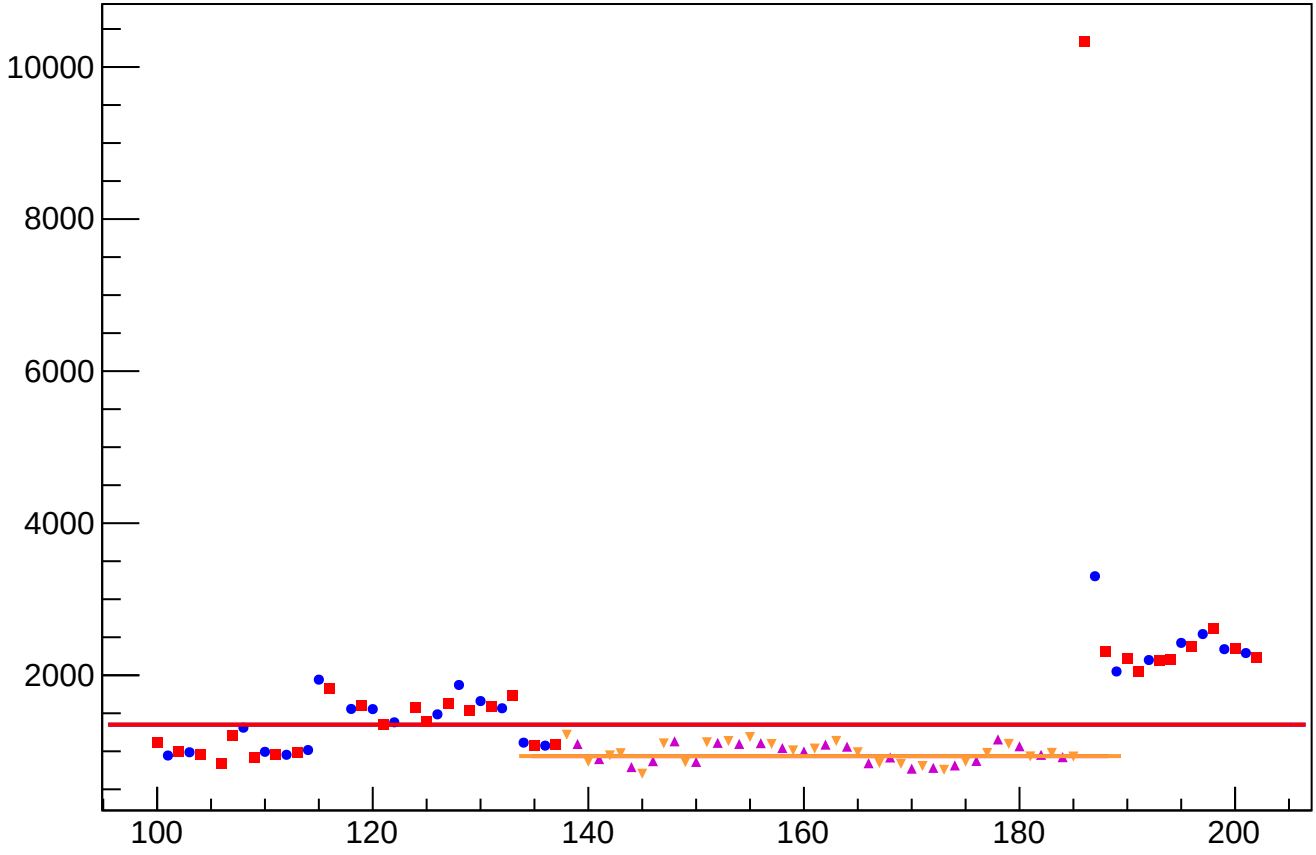
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -885.511+/-190.927 χ^2/NDF: 75.4/47

All: -635.104+/-135.321 χ^2/NDF: 132.1/99

- sign -382.343+/-191.822 χ^2/NDF: 53.3/51

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1349.917+/-0.290 χ^2/NDF: 2884316.8/22

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1350.622+/-0.272 χ^2/NDF: 4238019.4/28

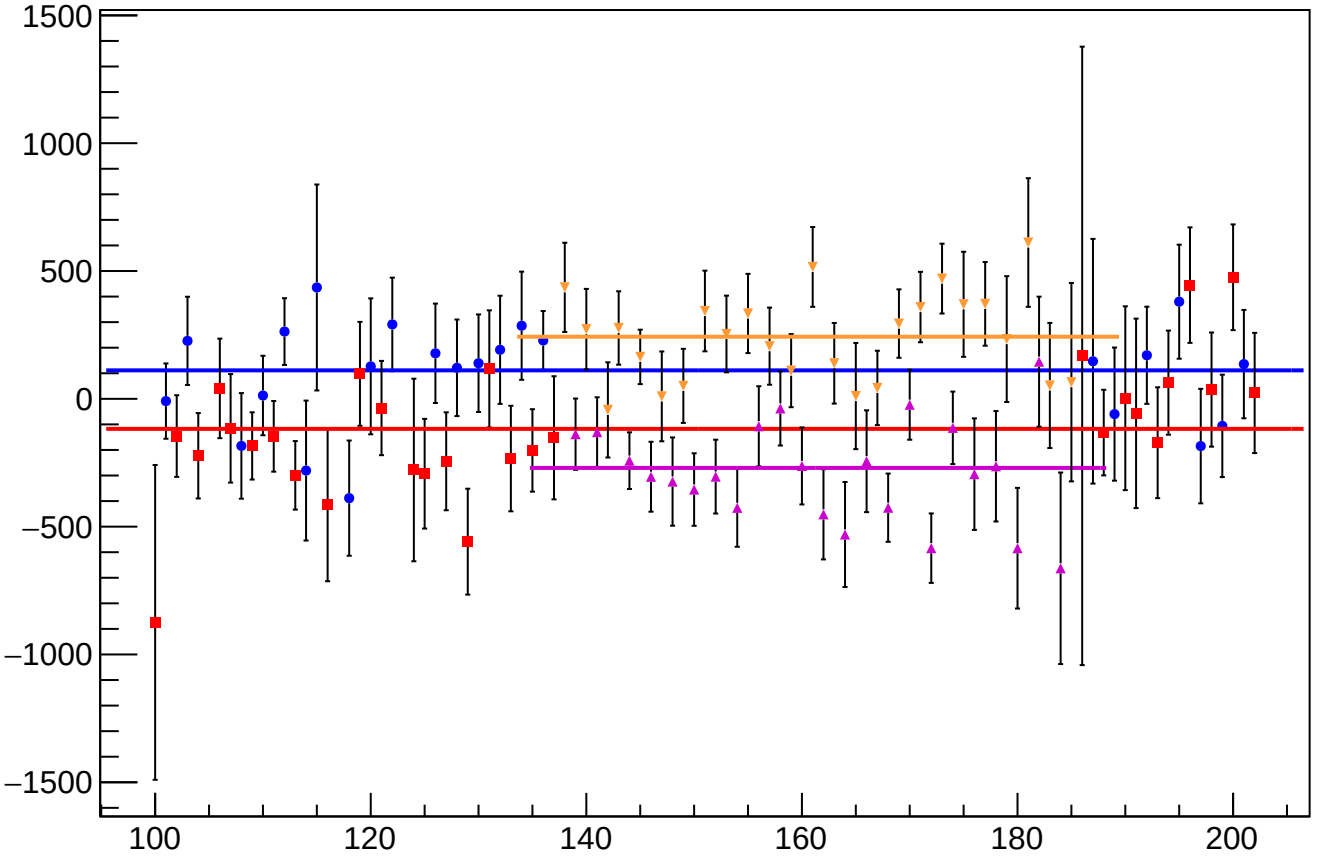
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1026.056+/-0.135 χ^2/NDF: 5303725.3/47

All: 1032.783+/-0.096 χ^2/NDF: 11934156.5/9

- sign 1039.574+/-0.136 χ^2/NDF: 6625441.2/51

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 111.377+/-40.076 χ^2/NDF: 20.4/22

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -117.503+/-37.447 χ^2/NDF: 30.9/28

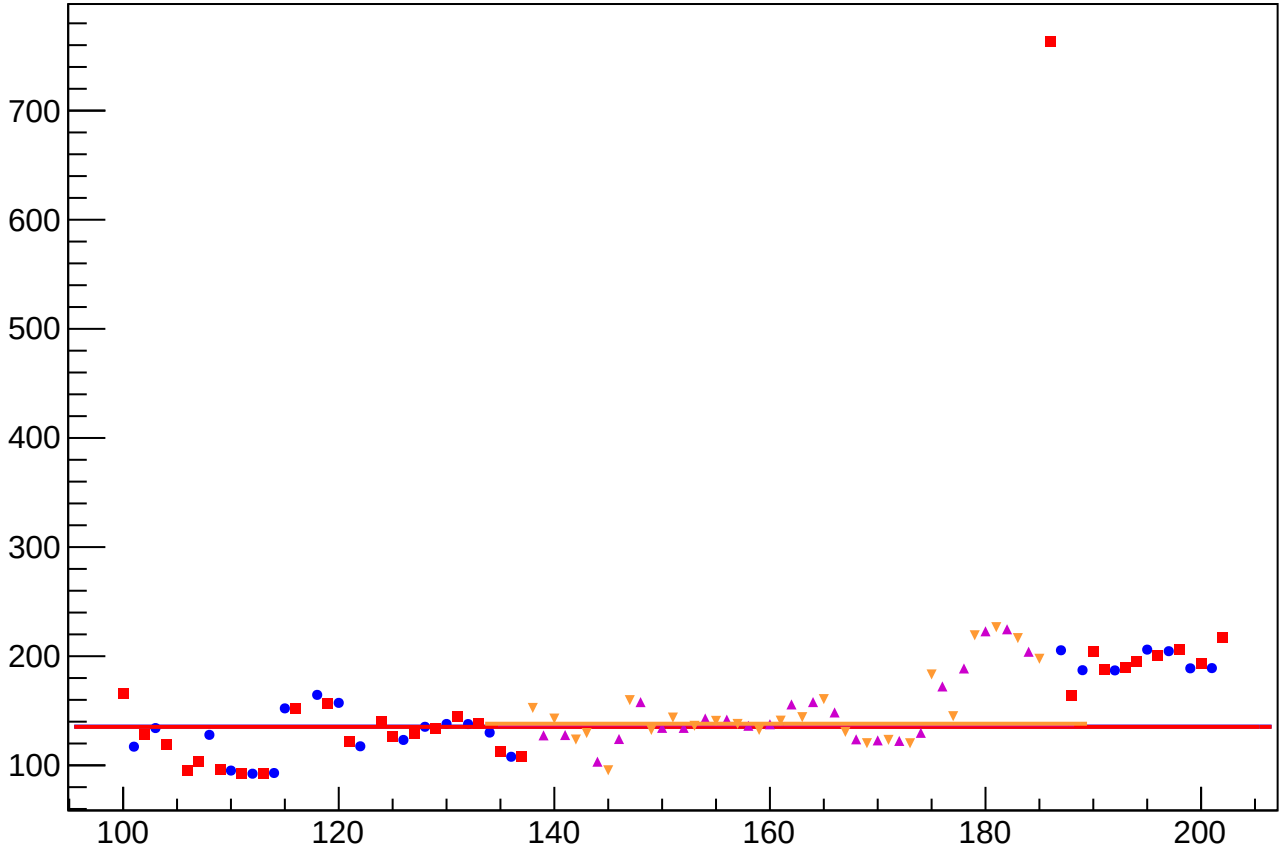
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 191.418+/-25.072 χ^2/NDF: 50.6/47

All: -9.003+/-17.600 χ^2/NDF: 243.6/99

- sign -203.720+/-24.713 χ^2/NDF: 67.0/51

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 135.484+/-0.028 χ^2/NDF: 1559253.3/22

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 135.244+/-0.026 χ^2/NDF: 2618936.7/28

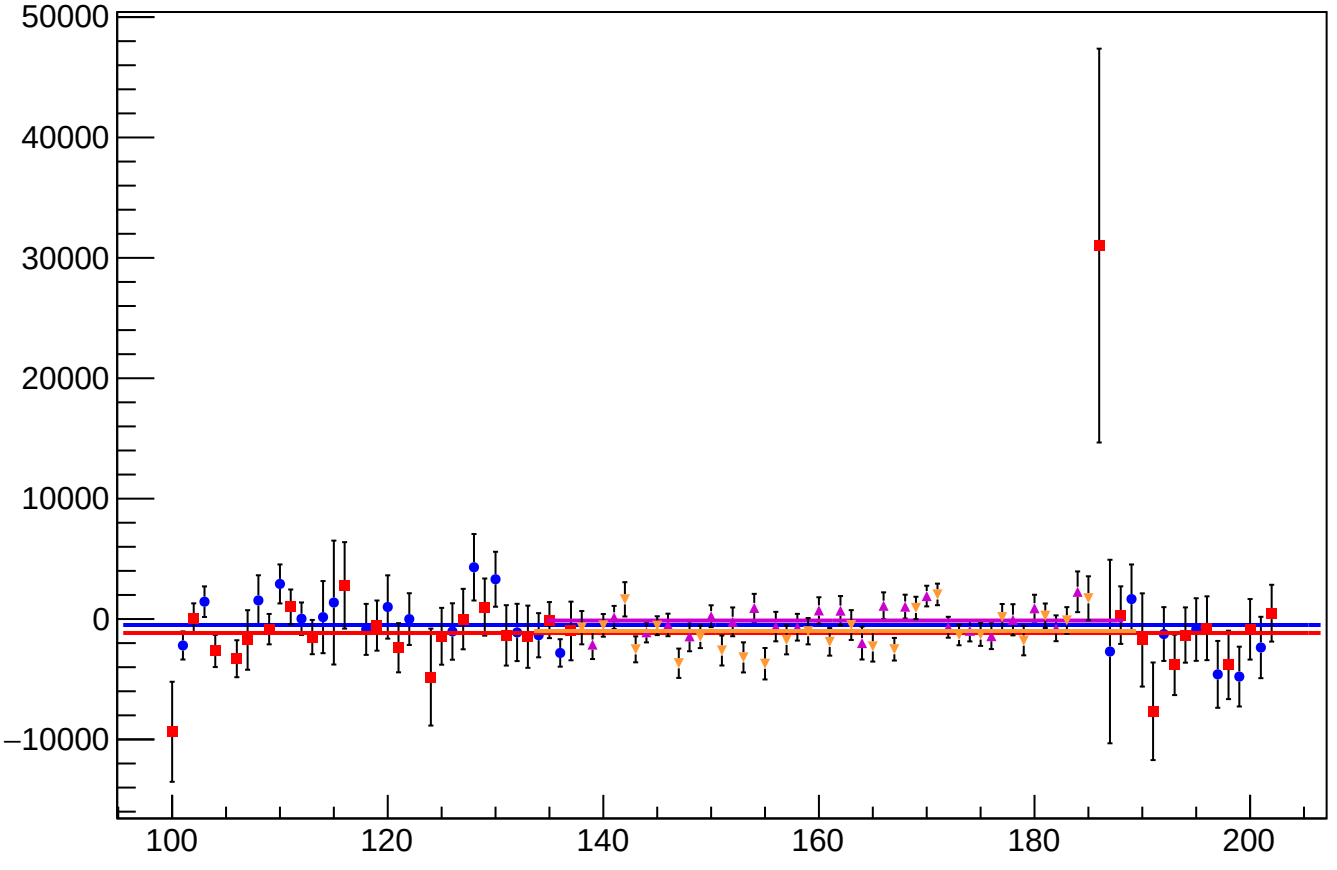
Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 137.093+/-0.018 χ^2/NDF: 2902858.6/47

All: 136.798+/-0.012 χ^2/NDF: 6635725.0/99

- sign 136.512+/-0.017 χ^2/NDF: 3732322.7/51

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -494.879+/-410.656 χ^2/NDF: 27.3/22

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1158.458+/-384.325 χ^2/NDF: 24.0/28

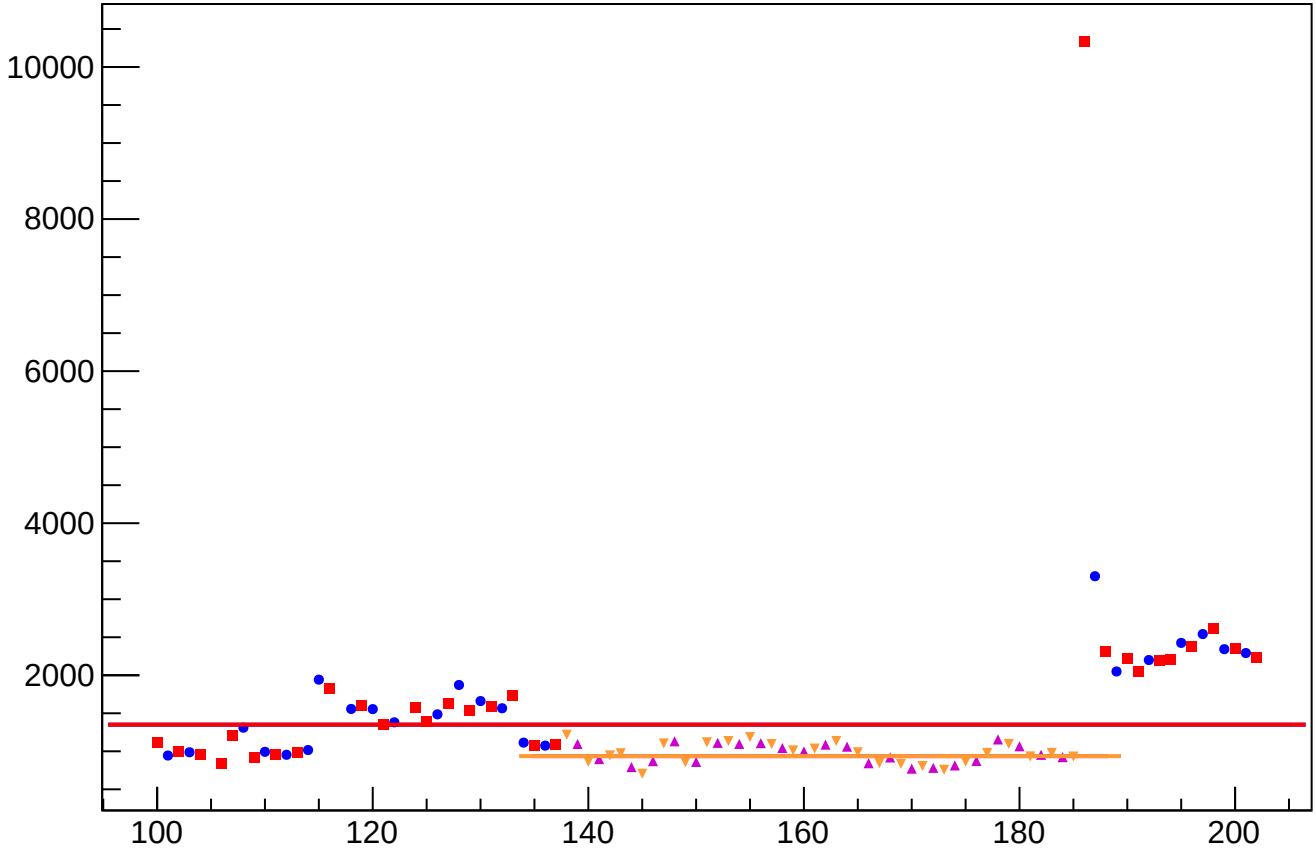
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -885.510+/-190.927 χ^2/NDF: 75.4/47

All: -635.103+/-135.321 χ^2/NDF: 132.1/99

- sign -382.342+/-191.822 χ^2/NDF: 53.3/51

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1349.917+/-0.290 χ^2/NDF: 2884312.7/22

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

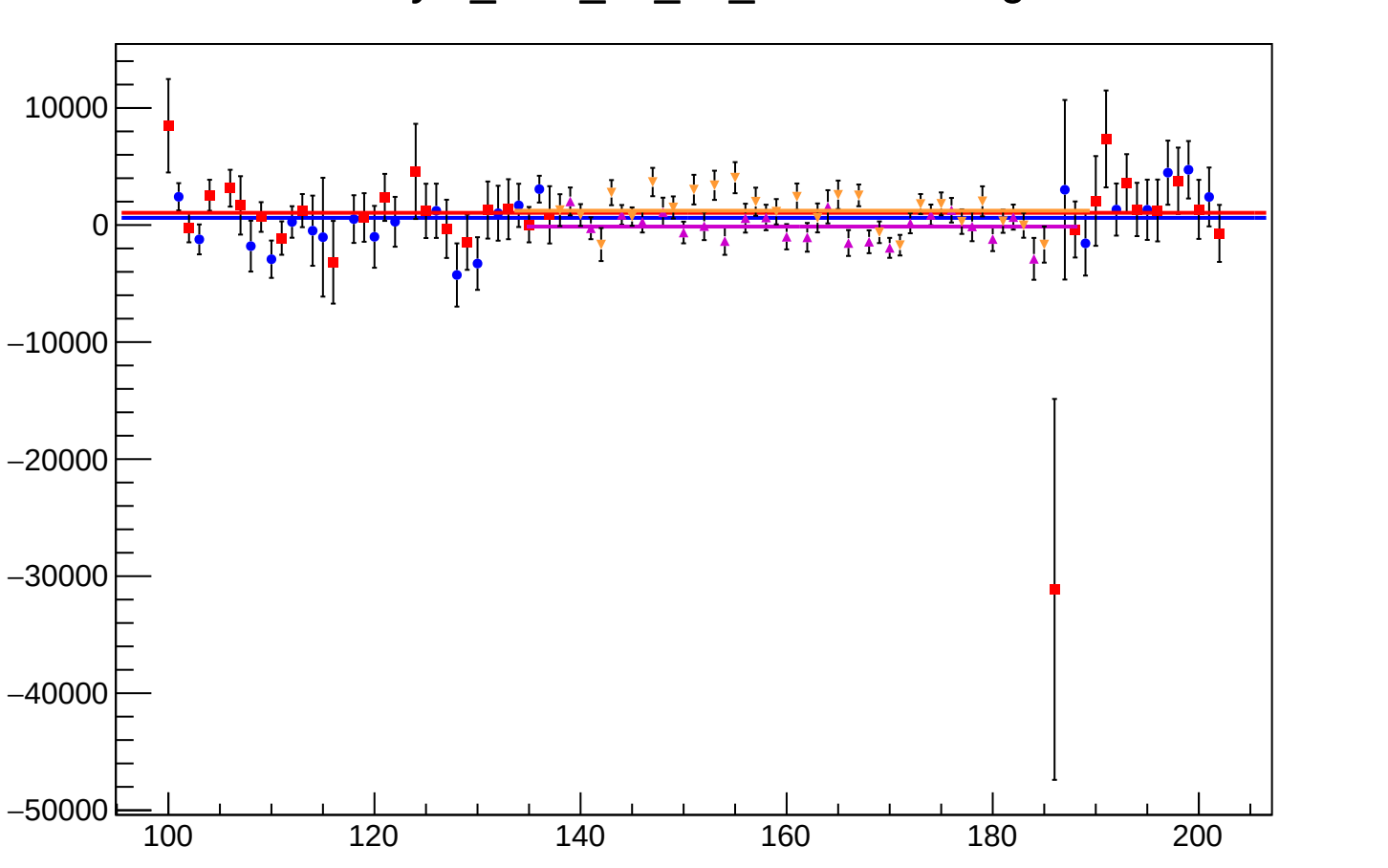
Right Out: 1350.622+/-0.272 χ^2/NDF: 4238012.4/28

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1026.055+/-0.135 χ^2/NDF: 5303732.3/47

All: 1032.782+/-0.096 χ^2/NDF: 11934161.7/9

- sign 1039.574+/-0.136 χ^2/NDF: 6625439.2/51



Right In: 612.329+/-408.976 χ^2/NDF: 28.8/22

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1042.959+/-384.150 χ^2/NDF: 23.8/28

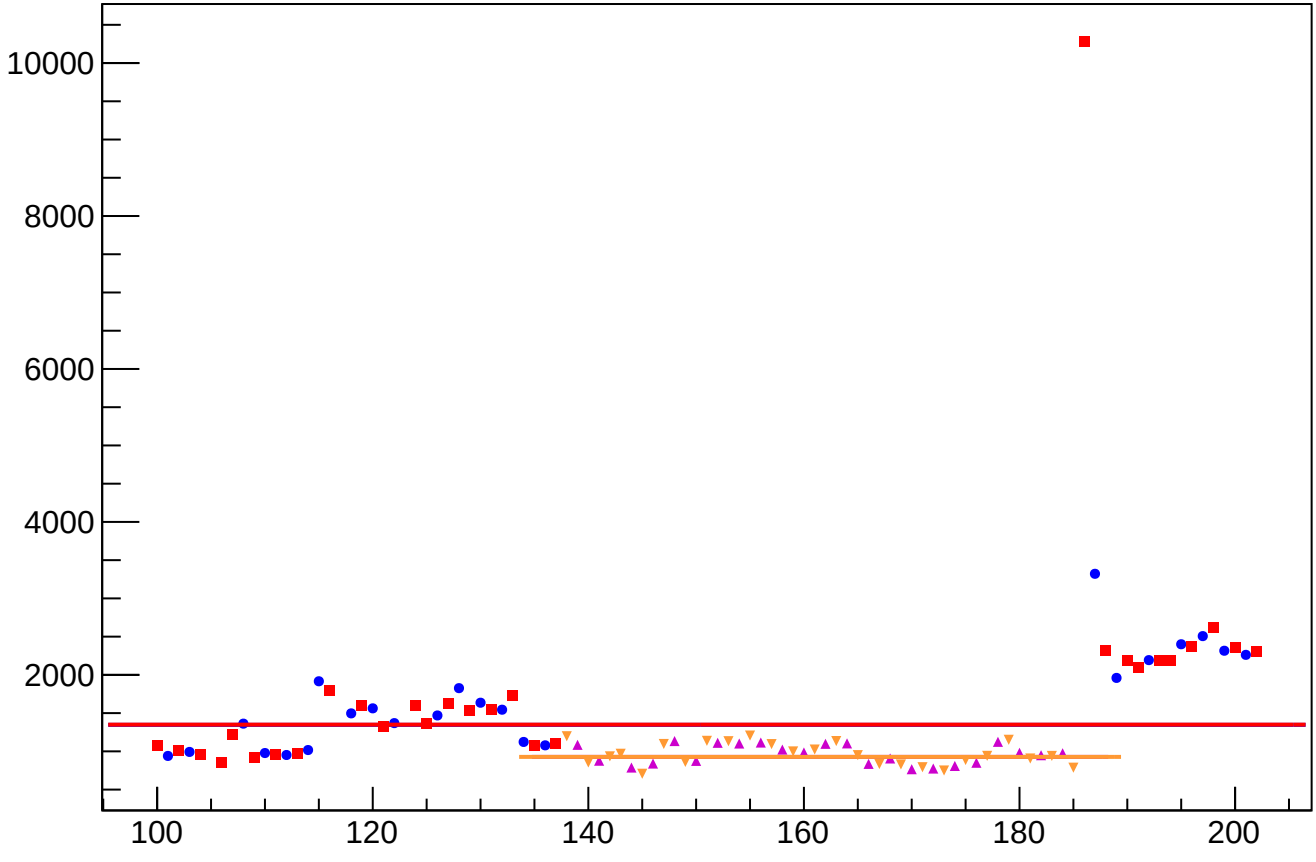
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1093.869+/-189.502 χ^2/NDF: 79.1/47

All: 627.305+/-134.327 χ^2/NDF: 147.9/99

- sign 156.123+/-190.437 χ^2/NDF: 56.7/51

asym_sam_48_dd_rms vs Slug



Right In: 1346.329+/-0.289 χ^2/NDF: 2796186.3/22

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

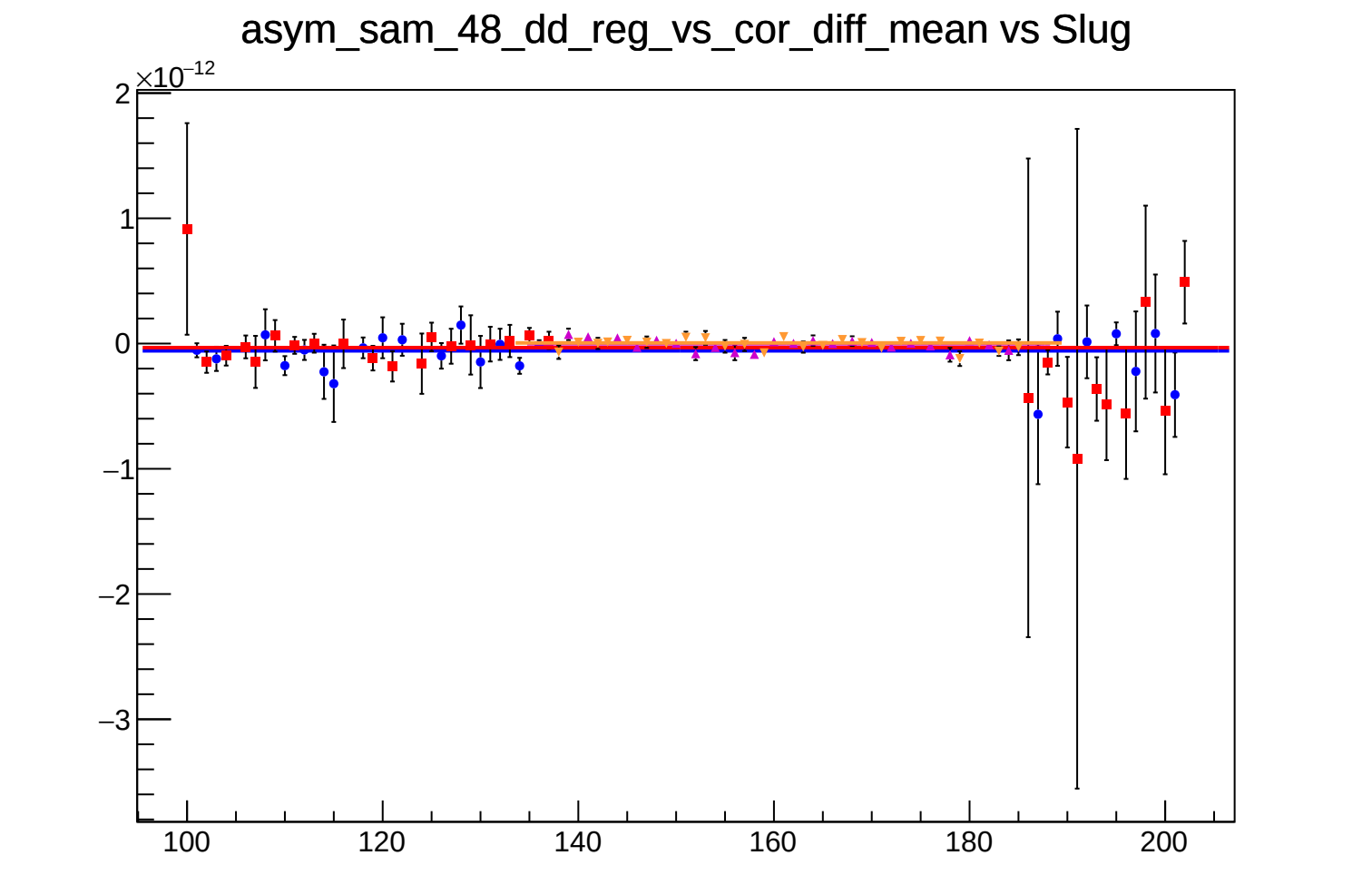
Right Out: 1349.144+/-0.272 χ^2/NDF: 4226472.8/28

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1017.508+/-0.134 χ^2/NDF: 5317641.1/47

All: 1024.214+/-0.095 χ^2/NDF: 12024558.3/9

- sign 1030.986+/-0.135 χ^2/NDF: 6701883.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

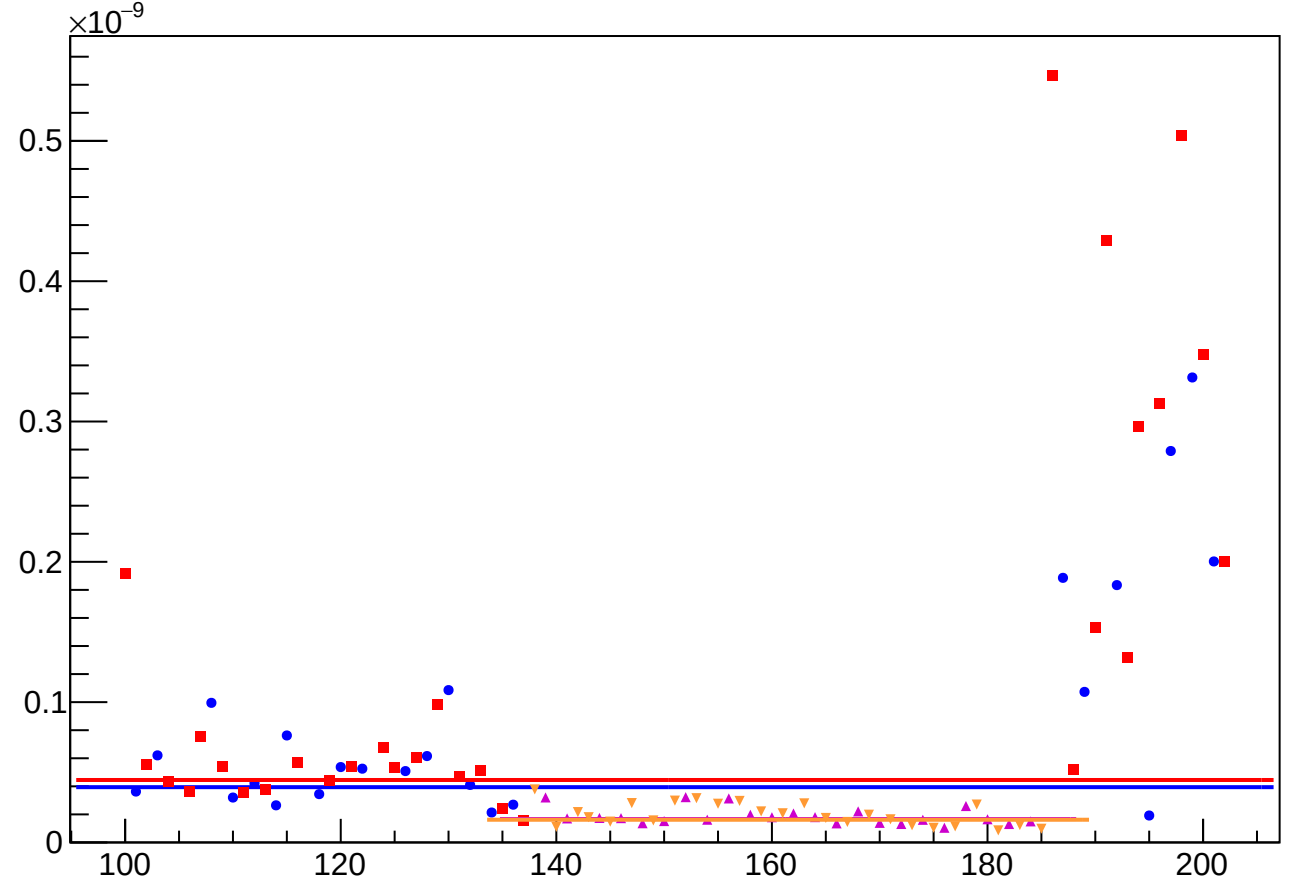
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/28

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.8/47

All: -0.000+/-0.000 χ^2/NDF: 102.7/99

- sign -0.000+/-0.000 χ^2/NDF: 51.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 3674947.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4626361.7/28

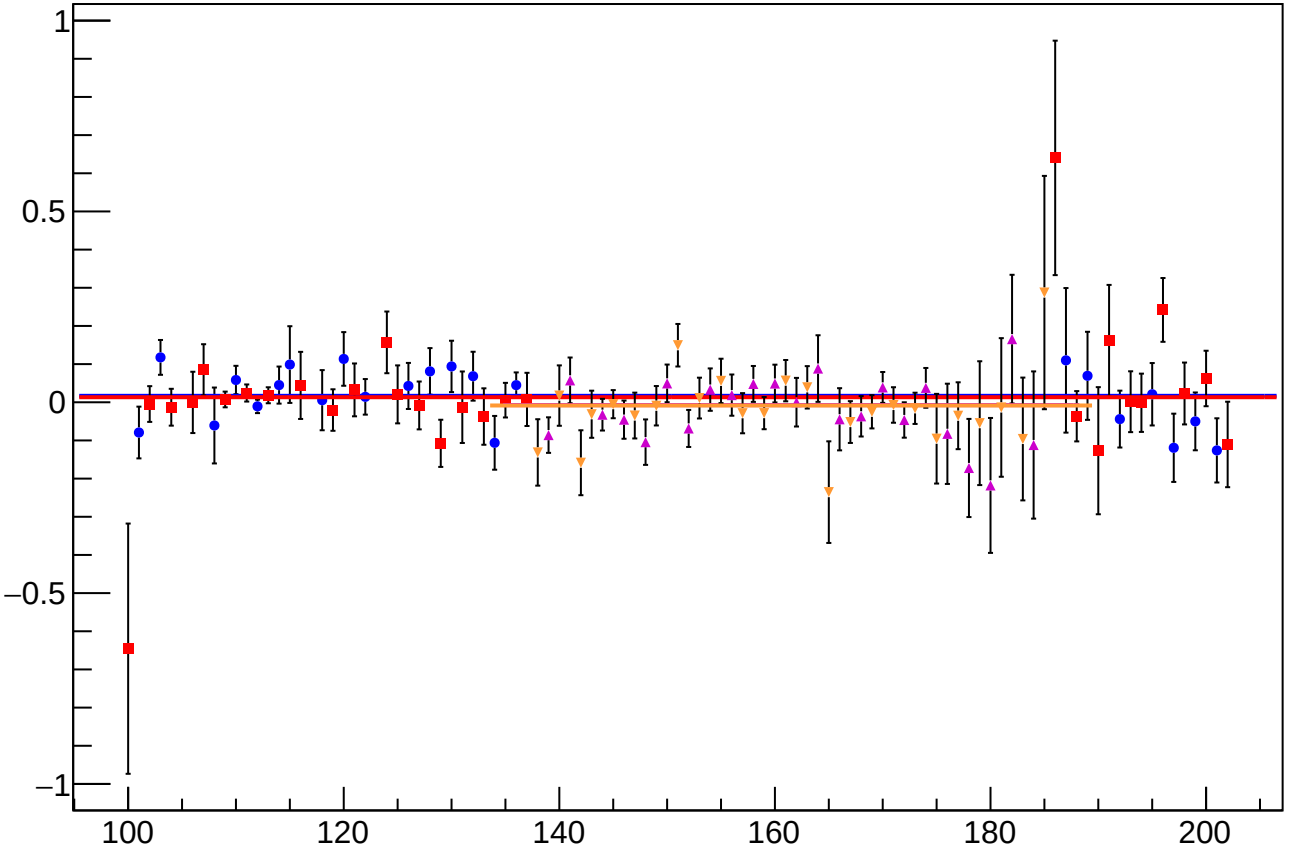
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7925044.7/47

All: 0.000+/-0.000 χ^2/NDF: 16370963.3/99

- sign 0.000+/-0.000 χ^2/NDF: 8426484.0/51

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.011 χ^2/NDF: 28.2/22

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 30.0/28

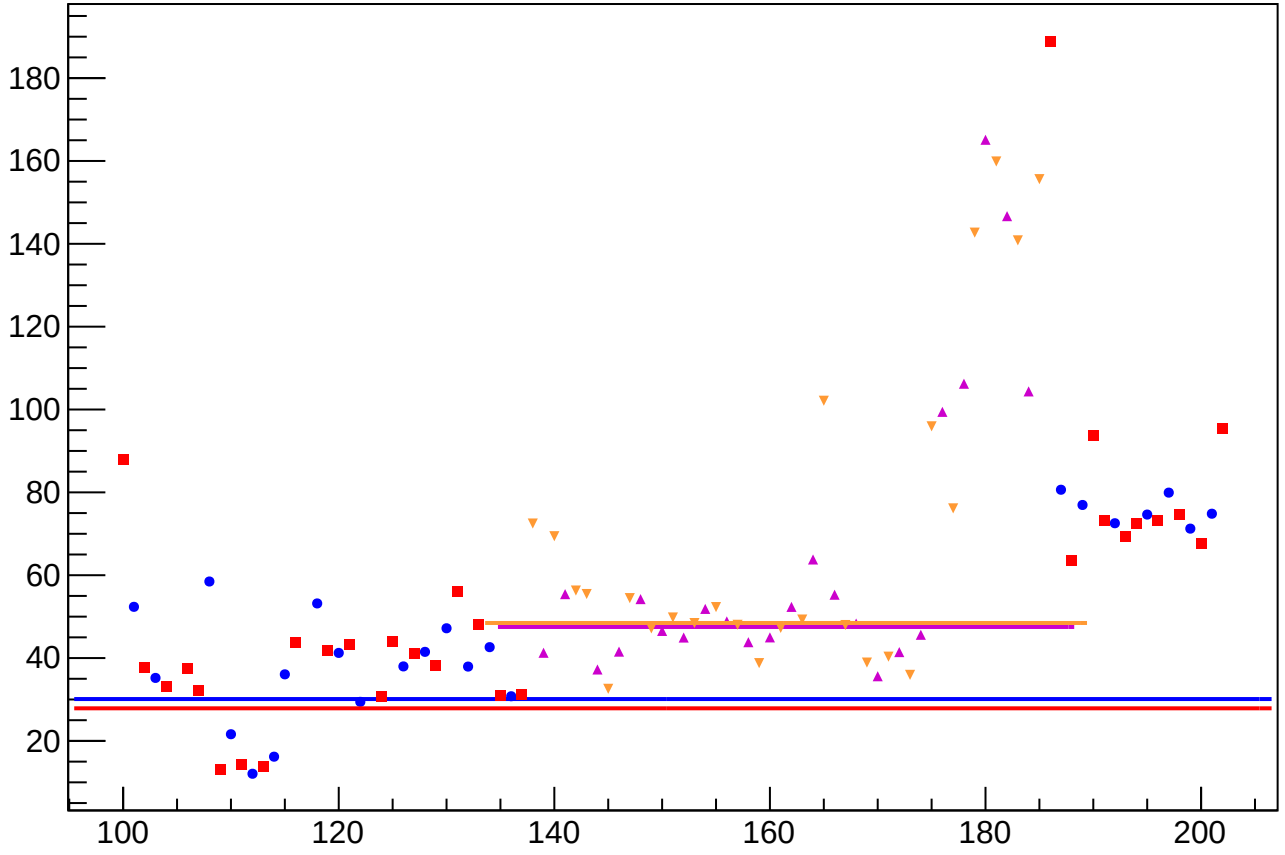
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.006+/-0.008 χ^2/NDF: 53.9/47

All: 0.006+/-0.005 χ^2/NDF: 109.0/99

- sign 0.006+/-0.007 χ^2/NDF: 55.1/51

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.108+/-0.007 χ^2/NDF: 6788537.9/22

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 27.868+/-0.007 χ^2/NDF: 9169156.8/28

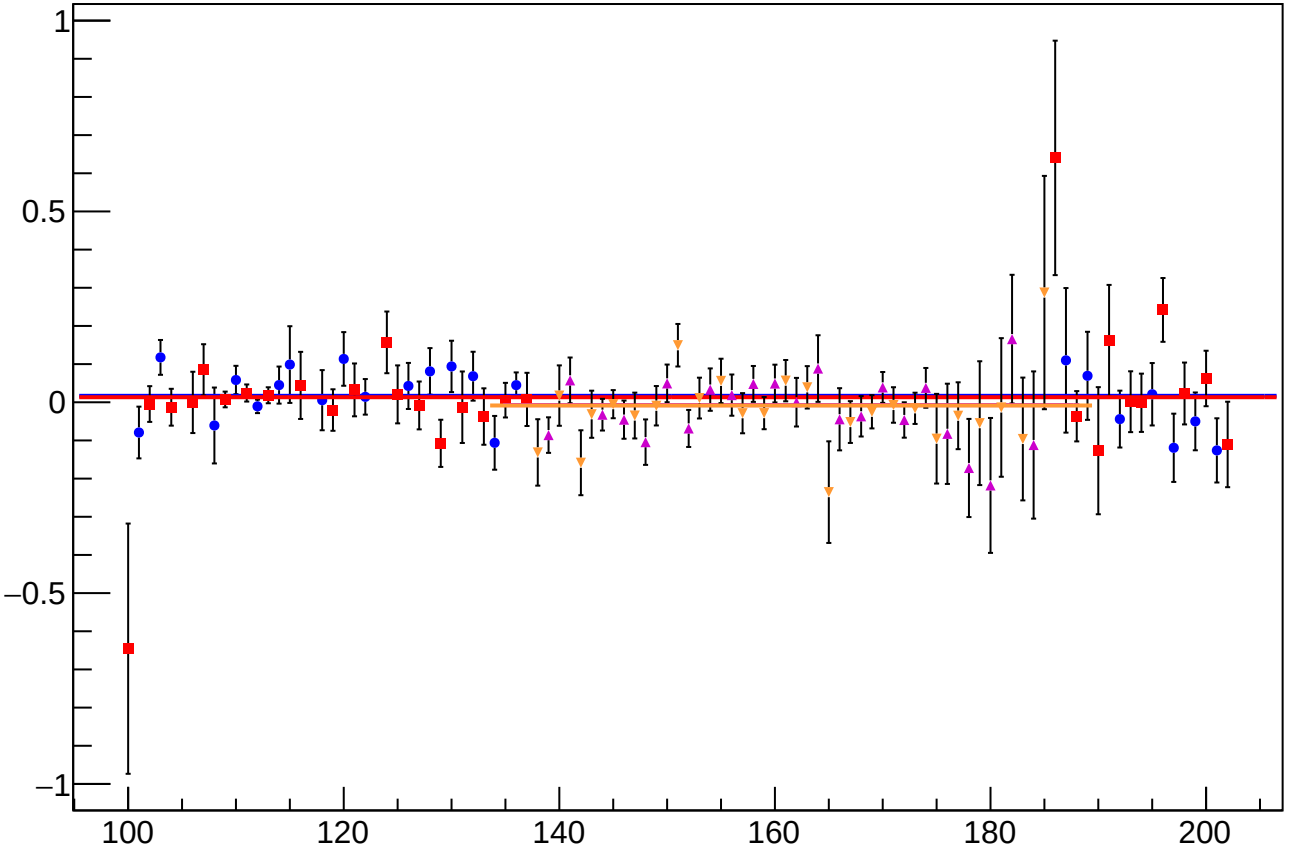
Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 38.082+/-0.006 χ^2/NDF: 13808836.0/47

All: 36.527+/-0.004 χ^2/NDF: 29538651.6/99

- sign 35.187+/-0.005 χ^2/NDF: 15585998.0/51

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.011 χ^2/NDF: 28.2/22

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 30.0/28

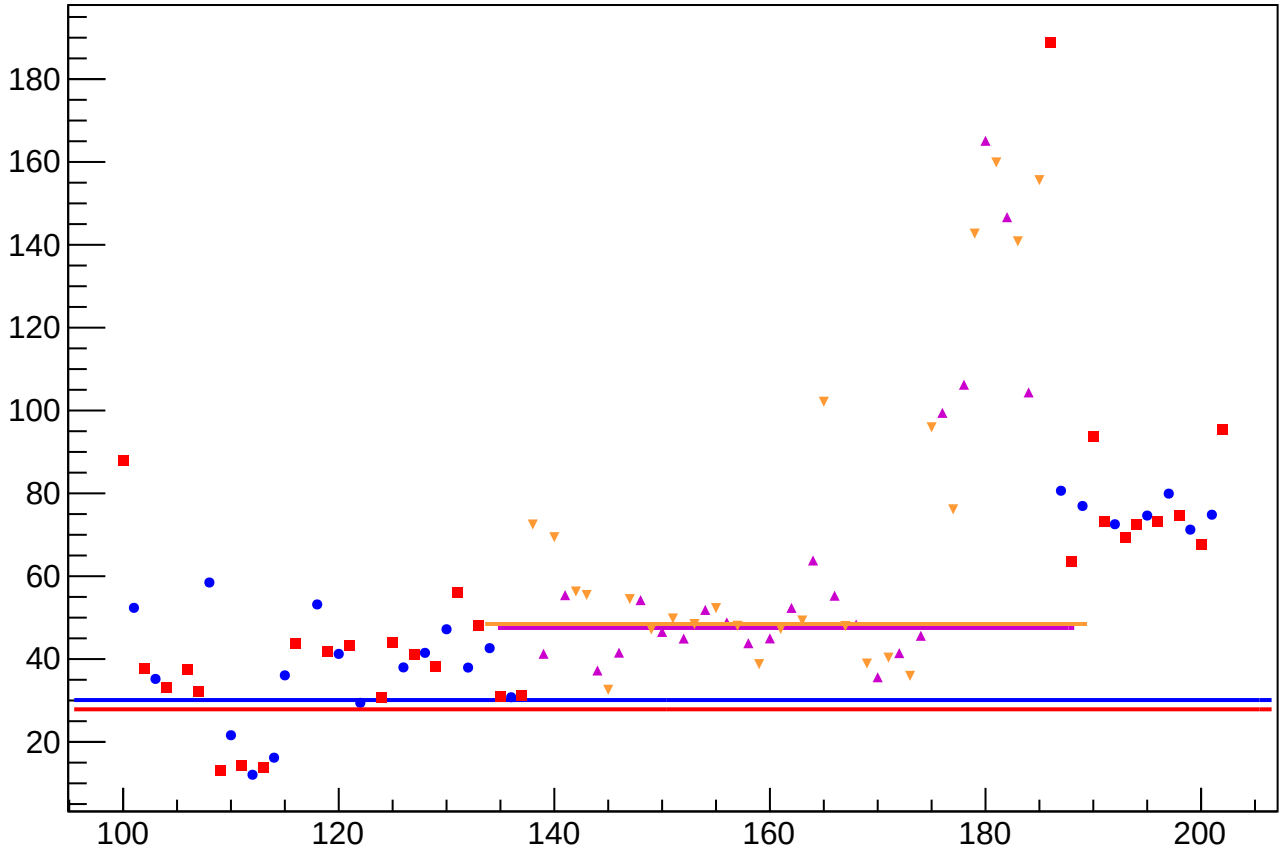
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.006+/-0.008 χ^2/NDF: 53.9/47

All: 0.006+/-0.005 χ^2/NDF: 109.0/99

- sign 0.006+/-0.007 χ^2/NDF: 55.1/51

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.108+/-0.007 χ^2/NDF: 6788537.9/22

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

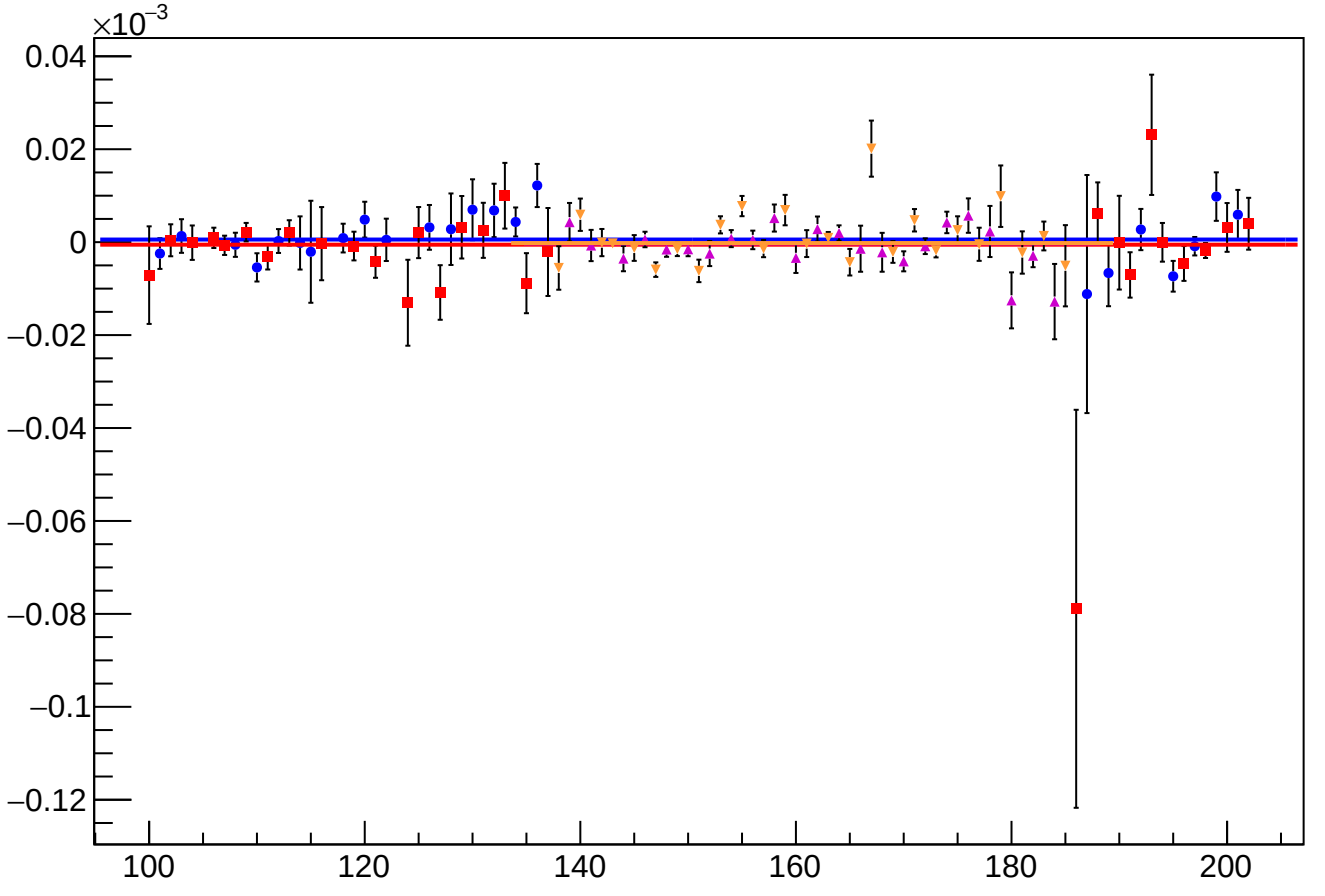
Right Out: 27.868+/-0.007 χ^2/NDF: 9169156.8/28

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 38.082+/-0.006 χ^2/NDF: 13808836.0/47

All: 36.527+/-0.004 χ^2/NDF: 29538651.6/99

- sign 35.187+/-0.005 χ^2/NDF: 15585998.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

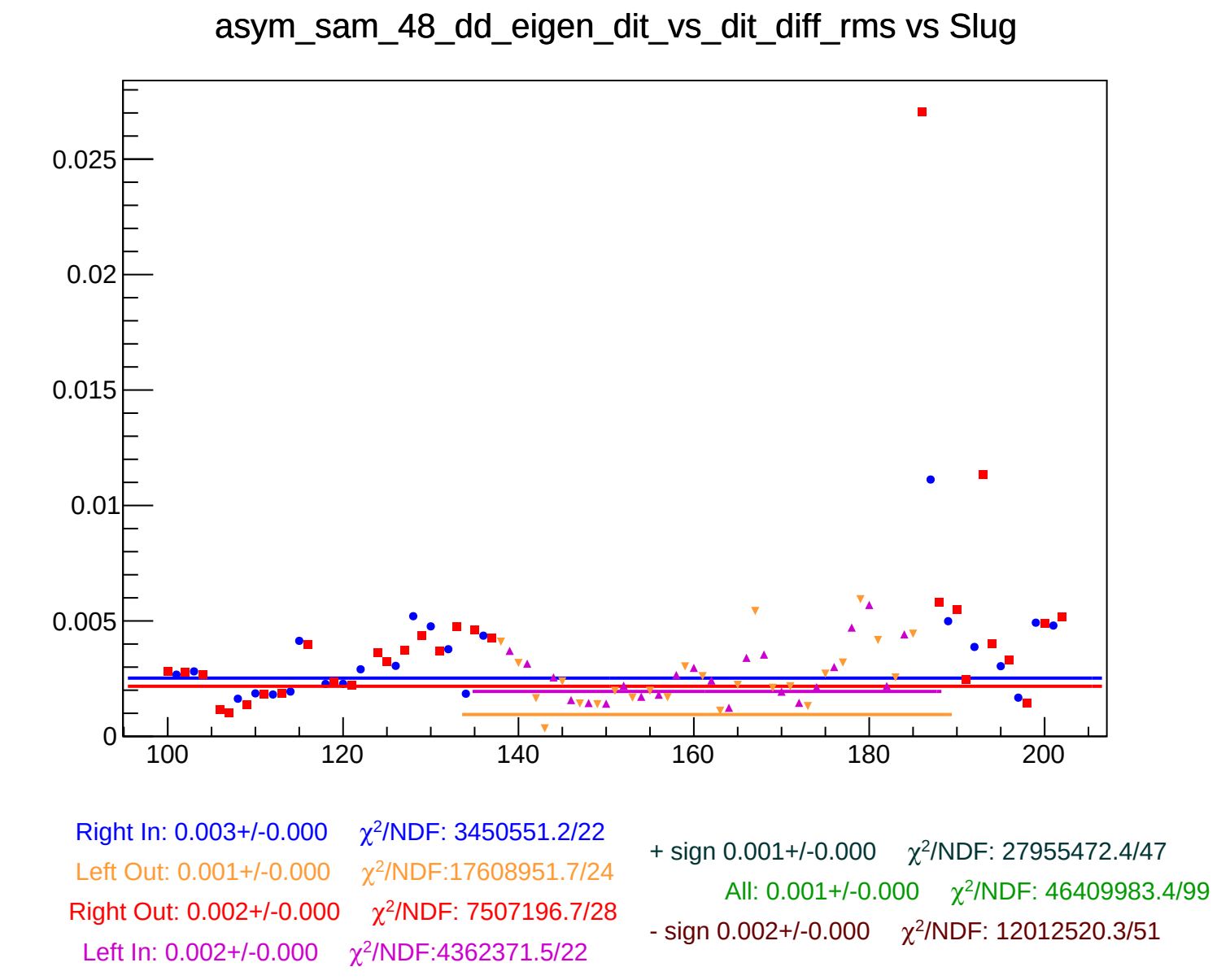
Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/28

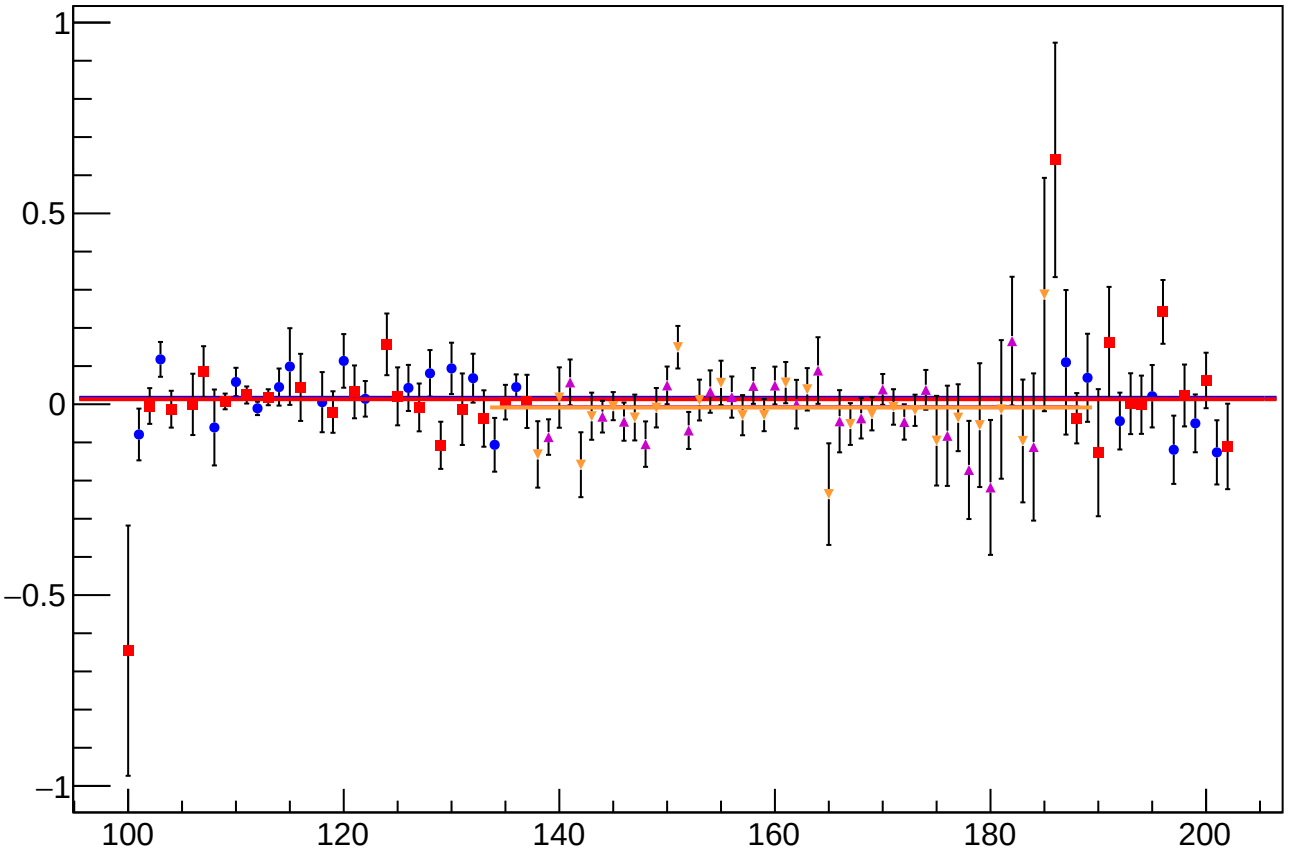
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 100.8/47

All: -0.000+/-0.000 χ^2/NDF: 159.8/99

- sign -0.000+/-0.000 χ^2/NDF: 58.7/51


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 3450551.2/22
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 7507196.7/28
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
+ sign 0.001+/-0.000 χ²/NDF: 27955472.4/47
All: 0.001+/-0.000 χ²/NDF: 46409983.4/99
- sign 0.002+/-0.000 χ²/NDF: 12012520.3/51



Right In: 0.017+/-0.011 χ^2/NDF: 28.2/22

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 30.0/28

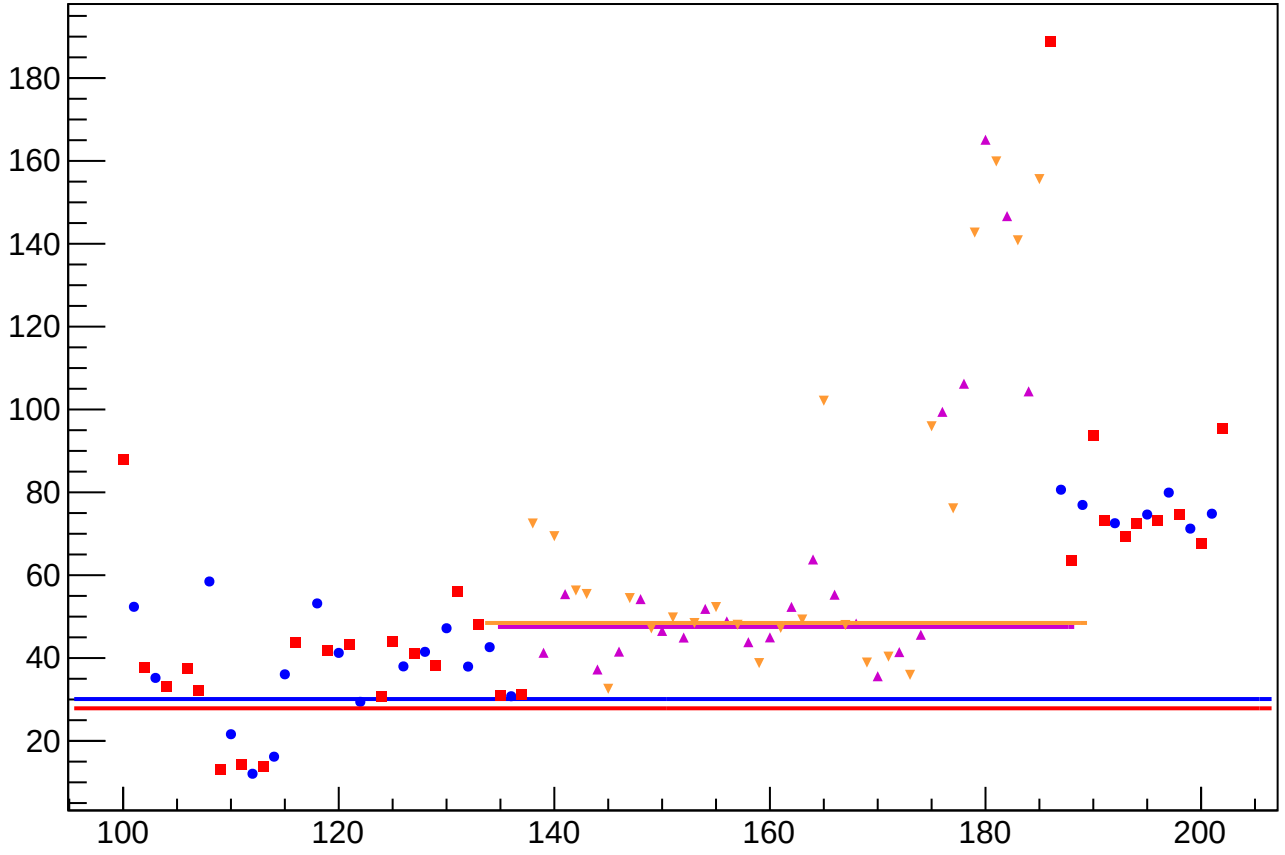
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.006+/-0.008 χ^2/NDF: 53.9/47

All: 0.006+/-0.005 χ^2/NDF: 109.0/99

- sign 0.006+/-0.007 χ^2/NDF: 55.1/51

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.106+/-0.007 χ^2/NDF: 6789136.3/22

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

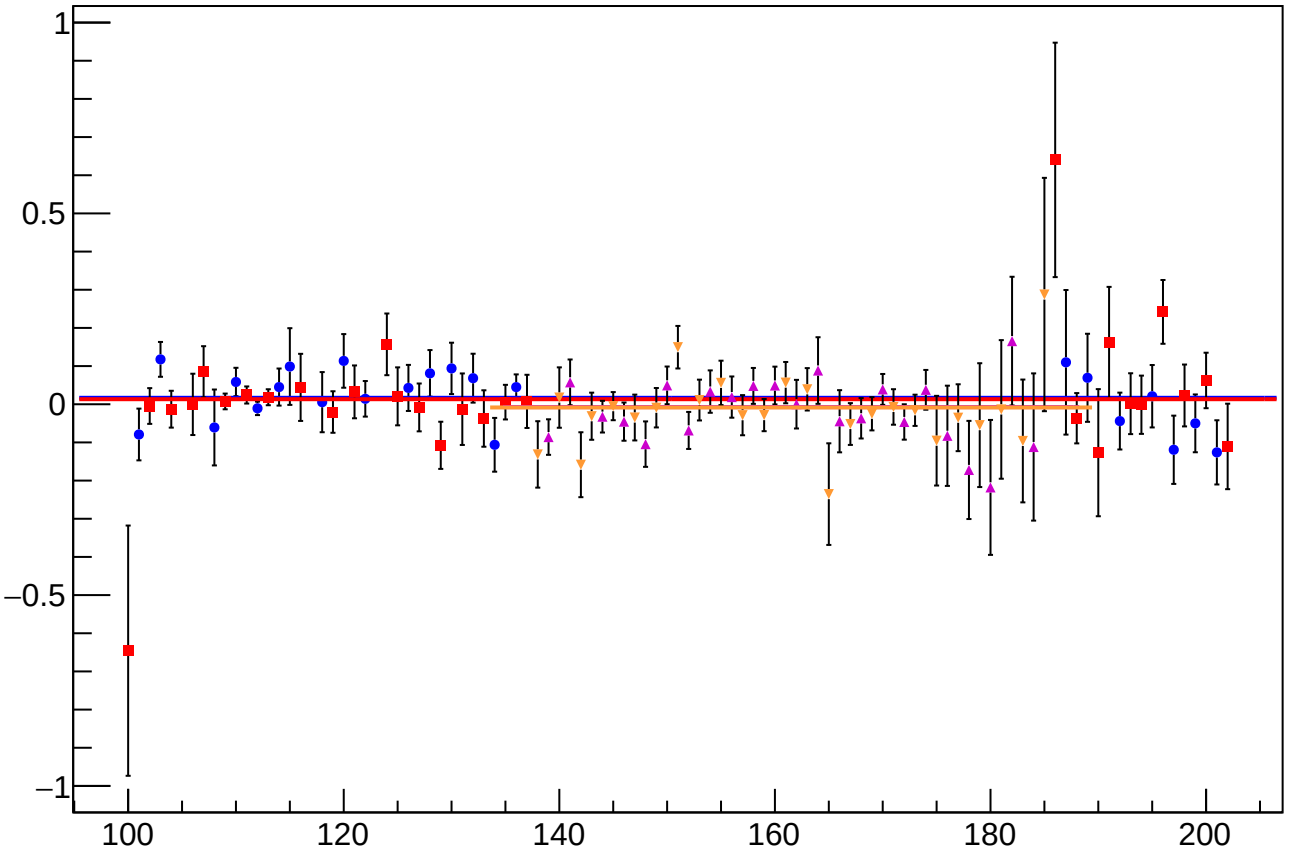
Right Out: 27.868+/-0.007 χ^2/NDF: 9169375.2/28

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 38.081+/-0.006 χ^2/NDF: 13809942.0/47

All: 36.527+/-0.004 χ^2/NDF: 29540068.3/99

- sign 35.187+/-0.005 χ^2/NDF: 15586382.2/51



Right In: 0.017+/-0.011 χ^2/NDF: 28.2/22

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

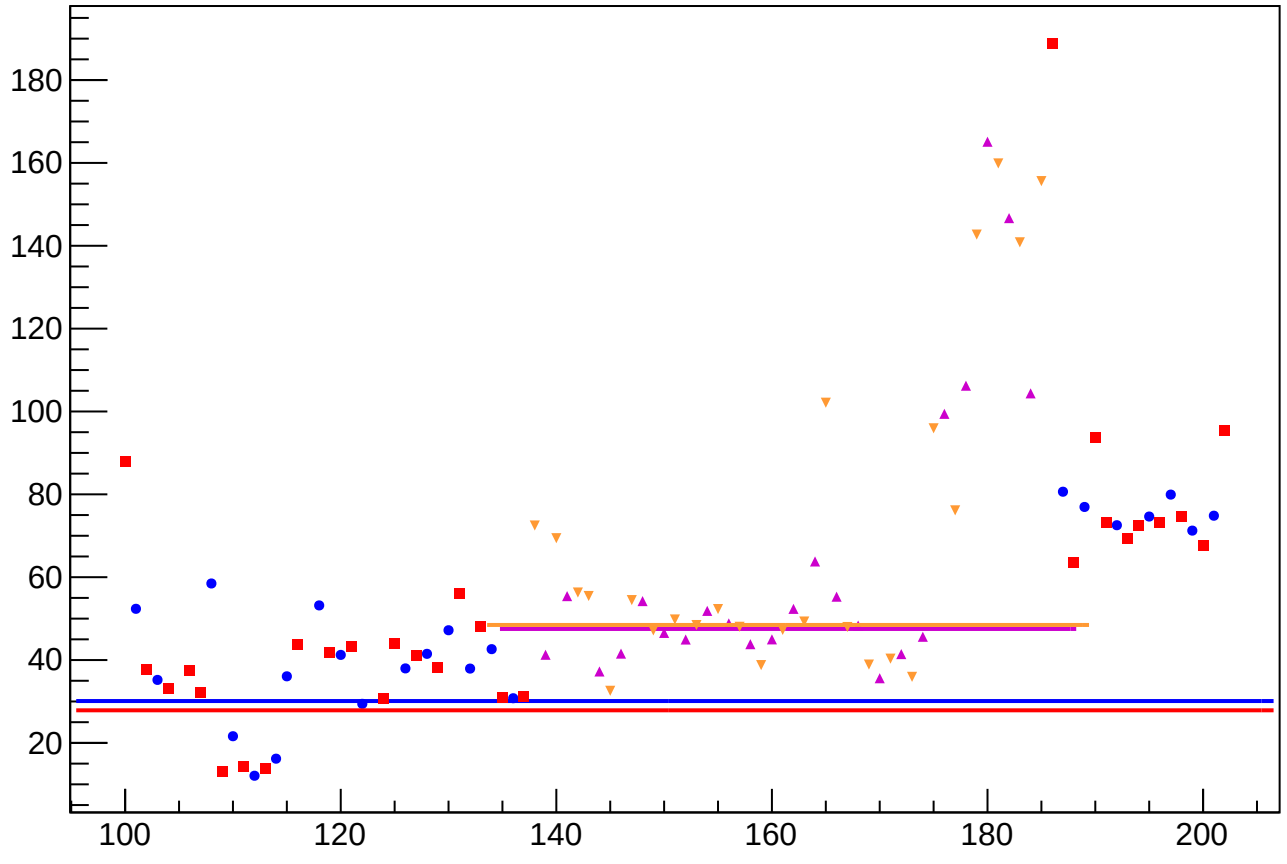
Right Out: 0.013+/-0.009 χ^2/NDF: 30.0/28

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.006+/-0.008 χ^2/NDF: 53.9/47

All: 0.006+/-0.005 χ^2/NDF: 109.0/99

- sign 0.006+/-0.007 χ^2/NDF: 55.1/51



Right In: 30.106+/-0.007 χ^2/NDF: 6789136.3/22

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

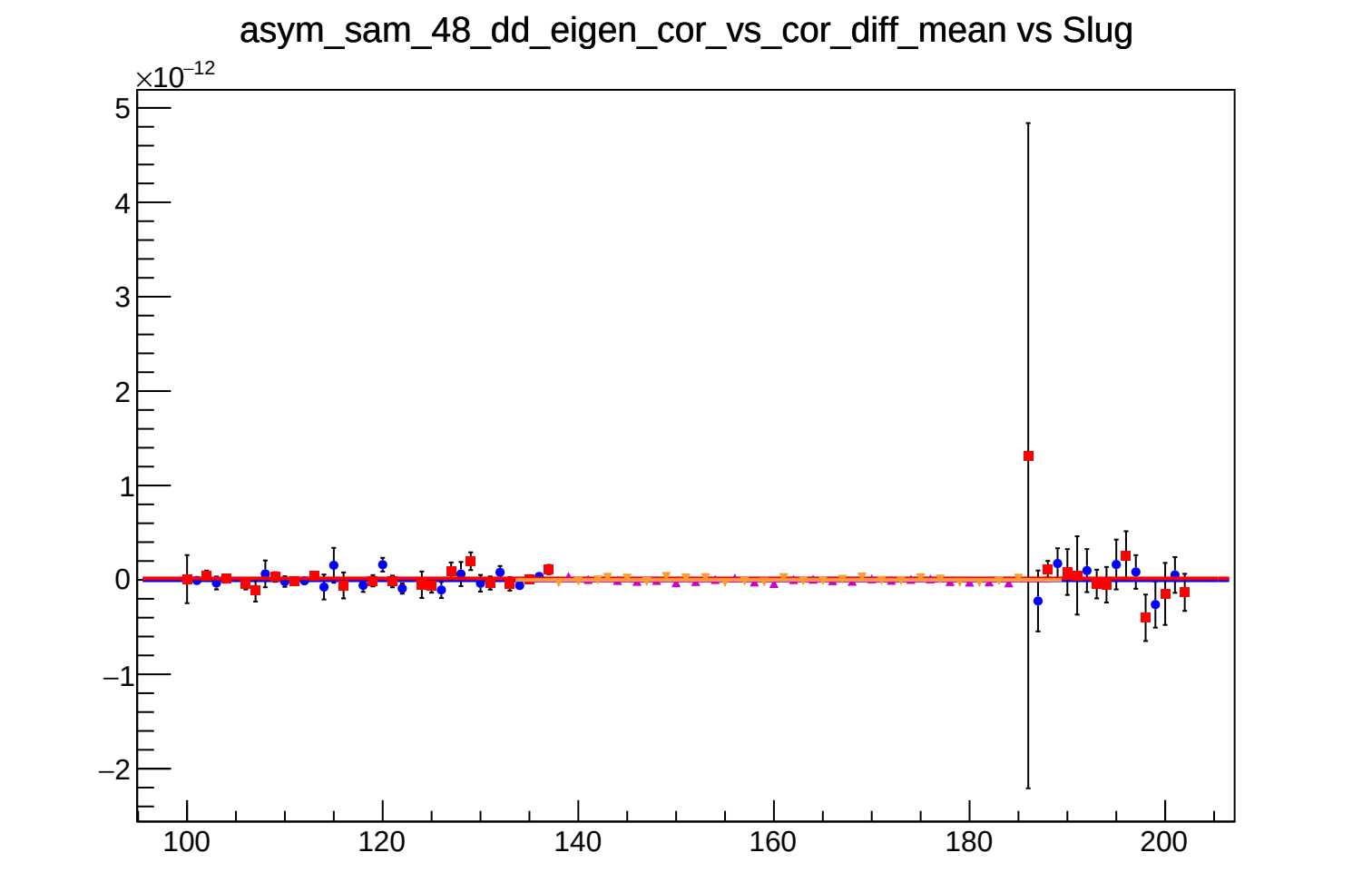
Right Out: 27.868+/-0.007 χ^2/NDF: 9169375.2/28

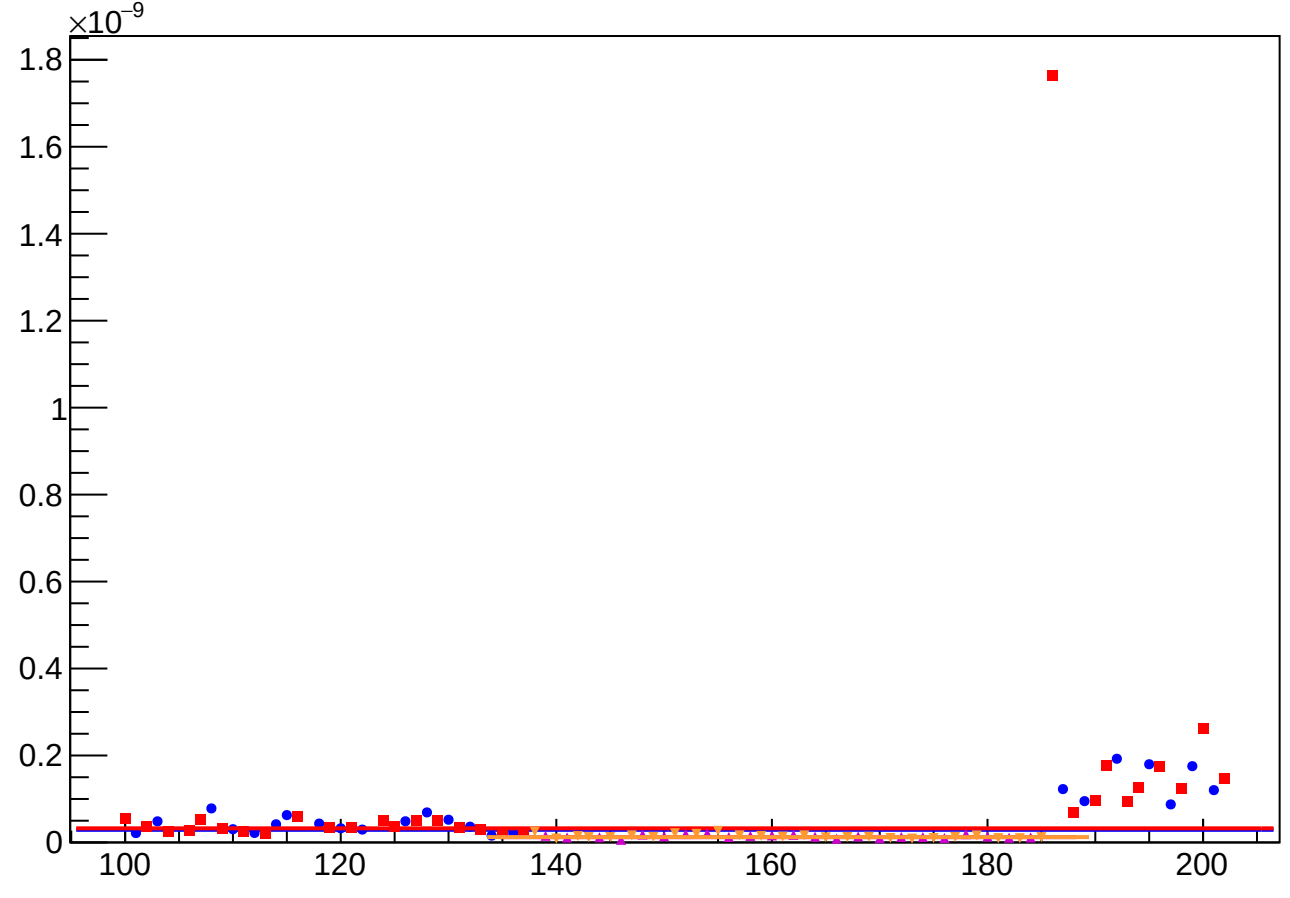
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 38.081+/-0.006 χ^2/NDF: 13809942.0/47

All: 36.527+/-0.004 χ^2/NDF: 29540068.3/99

- sign 35.187+/-0.005 χ^2/NDF: 15586382.2/51


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.5/22
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.3/28
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
+ sign -0.000+/-0.000 χ²/NDF: 54.0/47
All: -0.000+/-0.000 χ²/NDF: 97.6/99
- sign -0.000+/-0.000 χ²/NDF: 43.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 5348993.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5625605.9/28

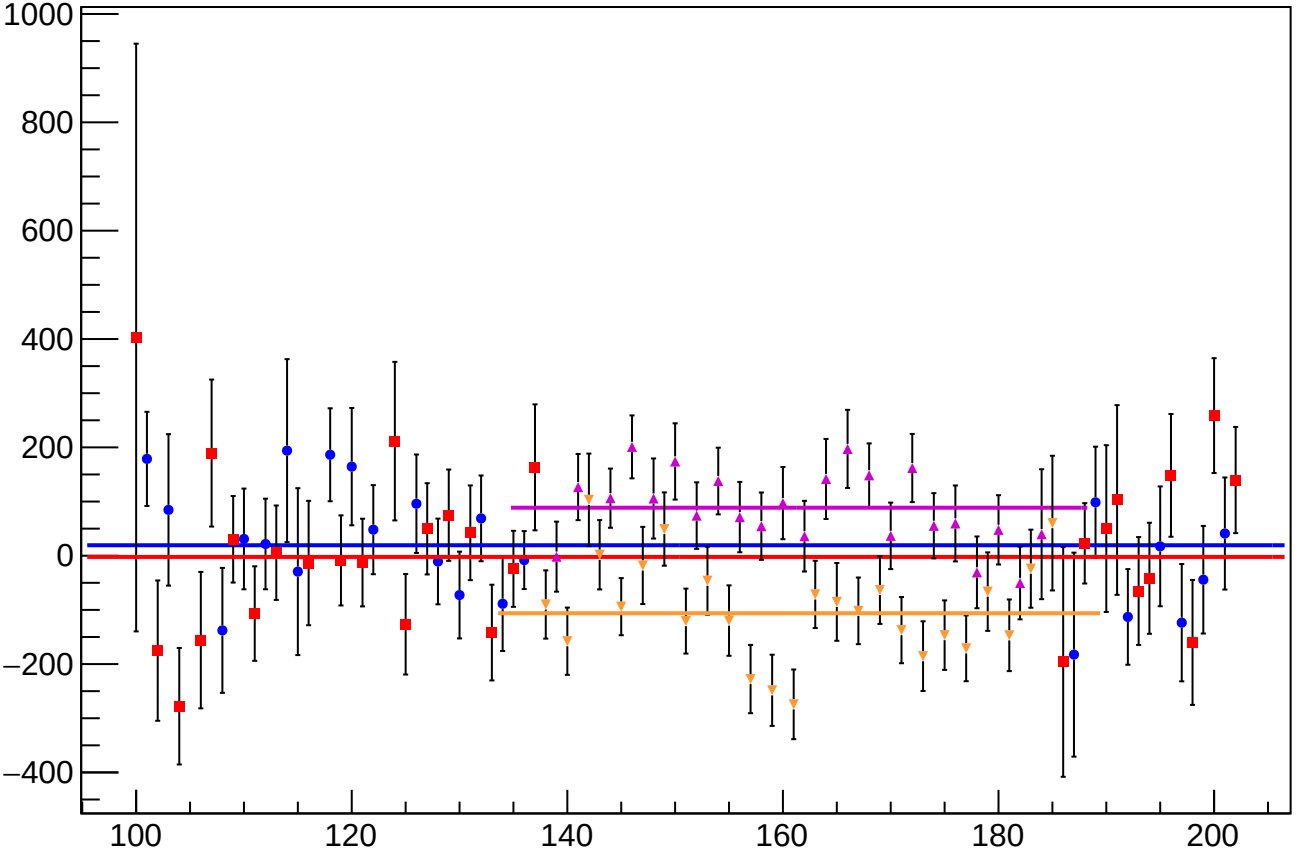
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10584696.4/47

All: 0.000+/-0.000 χ^2/NDF: 22669293.8/99

- sign 0.000+/-0.000 χ^2/NDF: 12081314.2/51

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 19.354+/-19.410 χ^2/NDF: 22.9/22

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -2.212+/-18.693 χ^2/NDF: 37.8/28

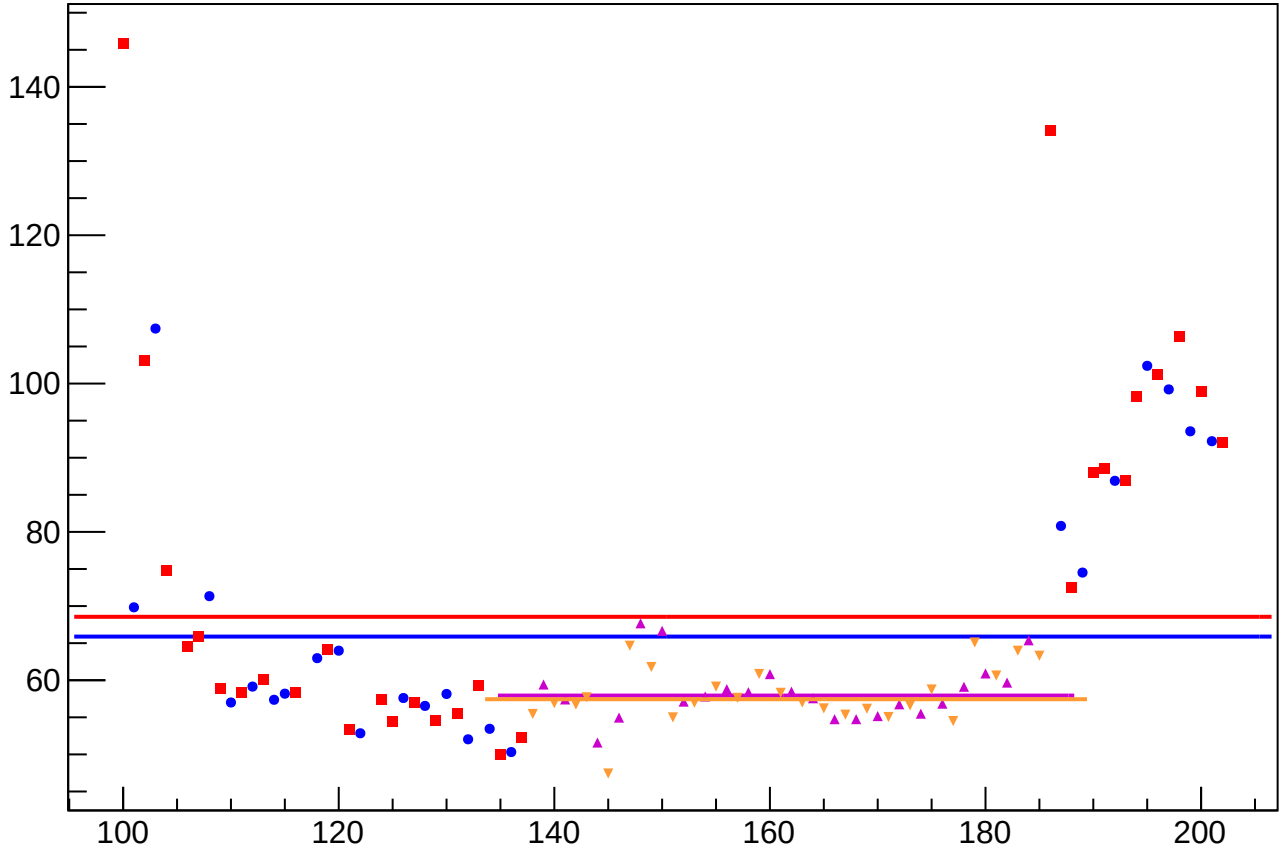
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -66.882+/-10.852 χ^2/NDF: 92.3/47

All: -5.524+/-7.718 χ^2/NDF: 234.2/99

- sign 57.284+/-10.980 χ^2/NDF: 77.2/51

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.886+/-0.014 χ^2/NDF: 1446611.7/22

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

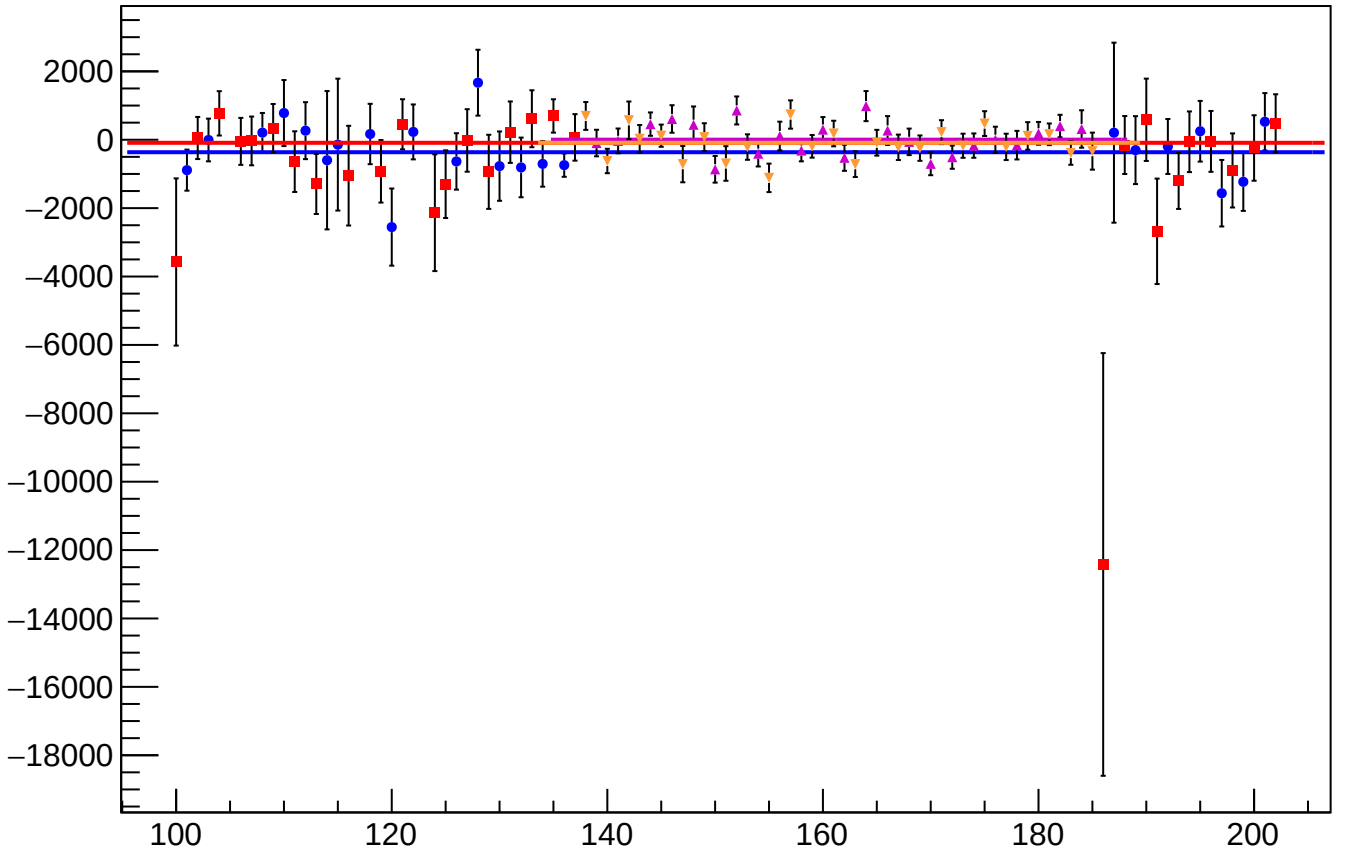
Right Out: 68.554+/-0.013 χ^2/NDF: 1907923.1/28

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 60.080+/-0.008 χ^2/NDF: 1881486.9/47

All: 60.830+/-0.005 χ^2/NDF: 4367496.2/99

\- sign 61.597+/-0.008 χ^2/NDF: 2466716.9/51



Right In: -364.560+/-161.172 χ^2/NDF: 19.5/22

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -88.951+/-158.670 χ^2/NDF: 25.3/28

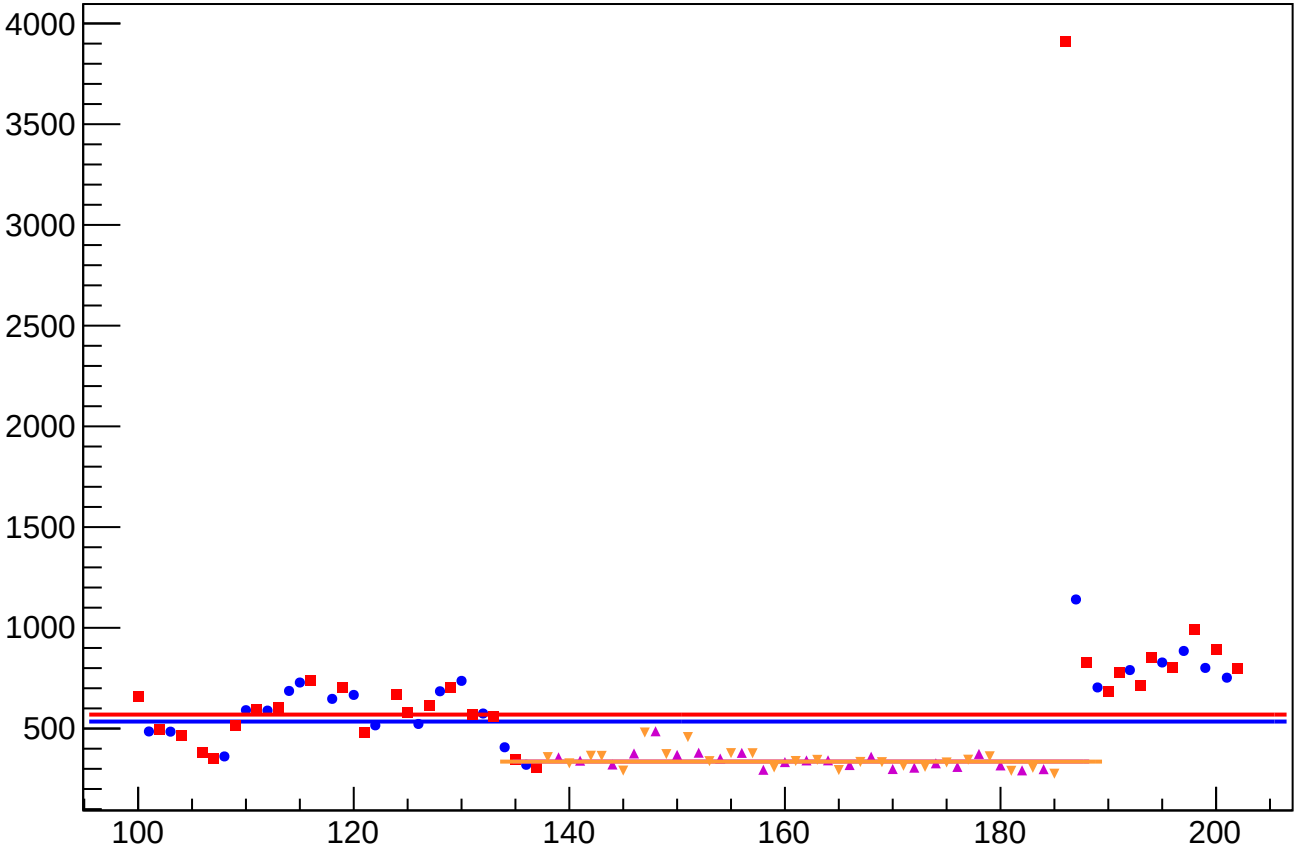
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -140.267+/-69.486 χ^2/NDF: 51.8/47

All: -79.005+/-49.612 χ^2/NDF: 112.5/99

- sign -15.301+/-70.858 χ^2/NDF: 59.2/51

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 534.744+/-0.114 χ^2/NDF: 2486040.6/22

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 569.308+/-0.112 χ^2/NDF: 3202755.9/28

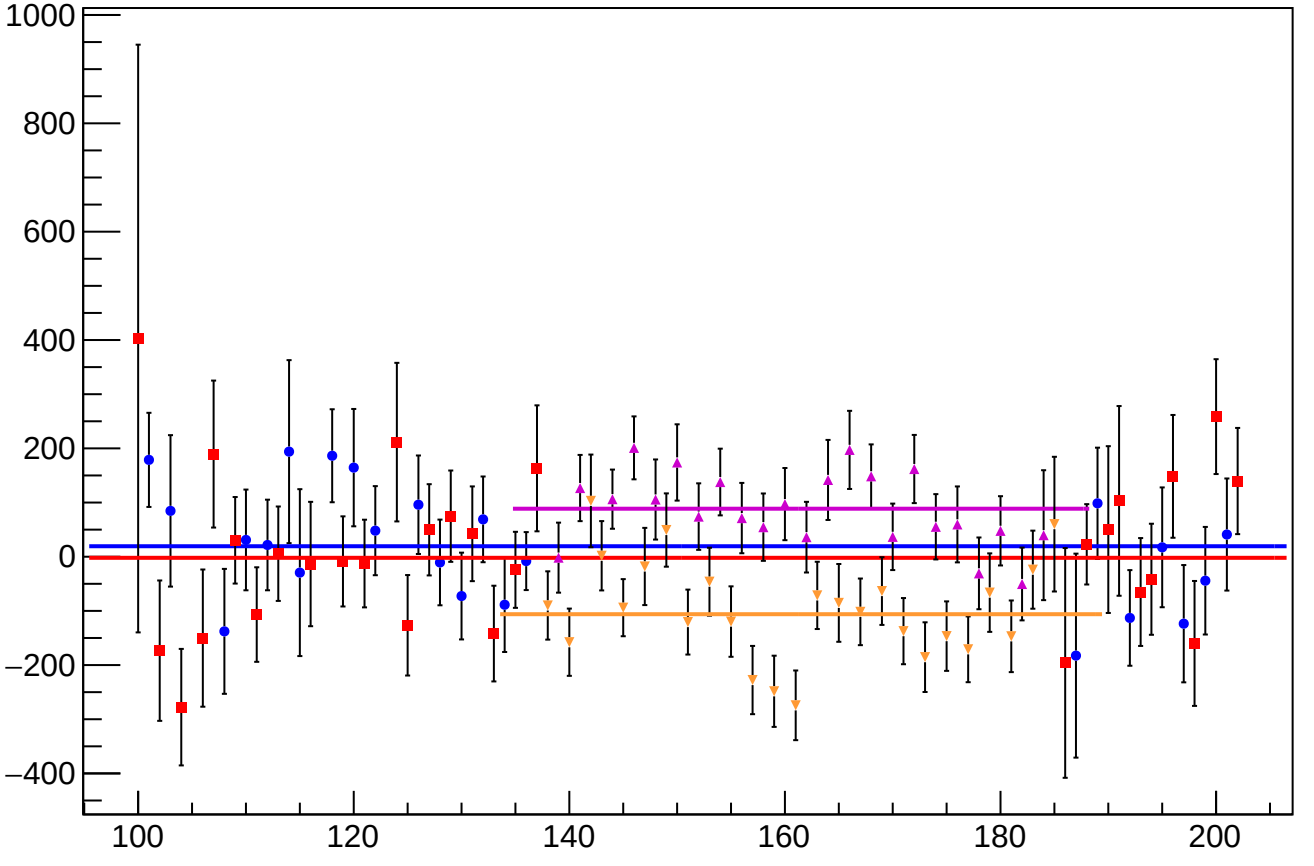
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 372.855+/-0.049 χ^2/NDF: 5498379.3/47

All: 377.732+/-0.035 χ^2/NDF: 12587047.4/99

- sign 382.803+/-0.050 χ^2/NDF: 7068572.9/51

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 19.351+/-19.410 χ^2/NDF: 22.9/22

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -2.011+/-18.696 χ^2/NDF: 37.7/28

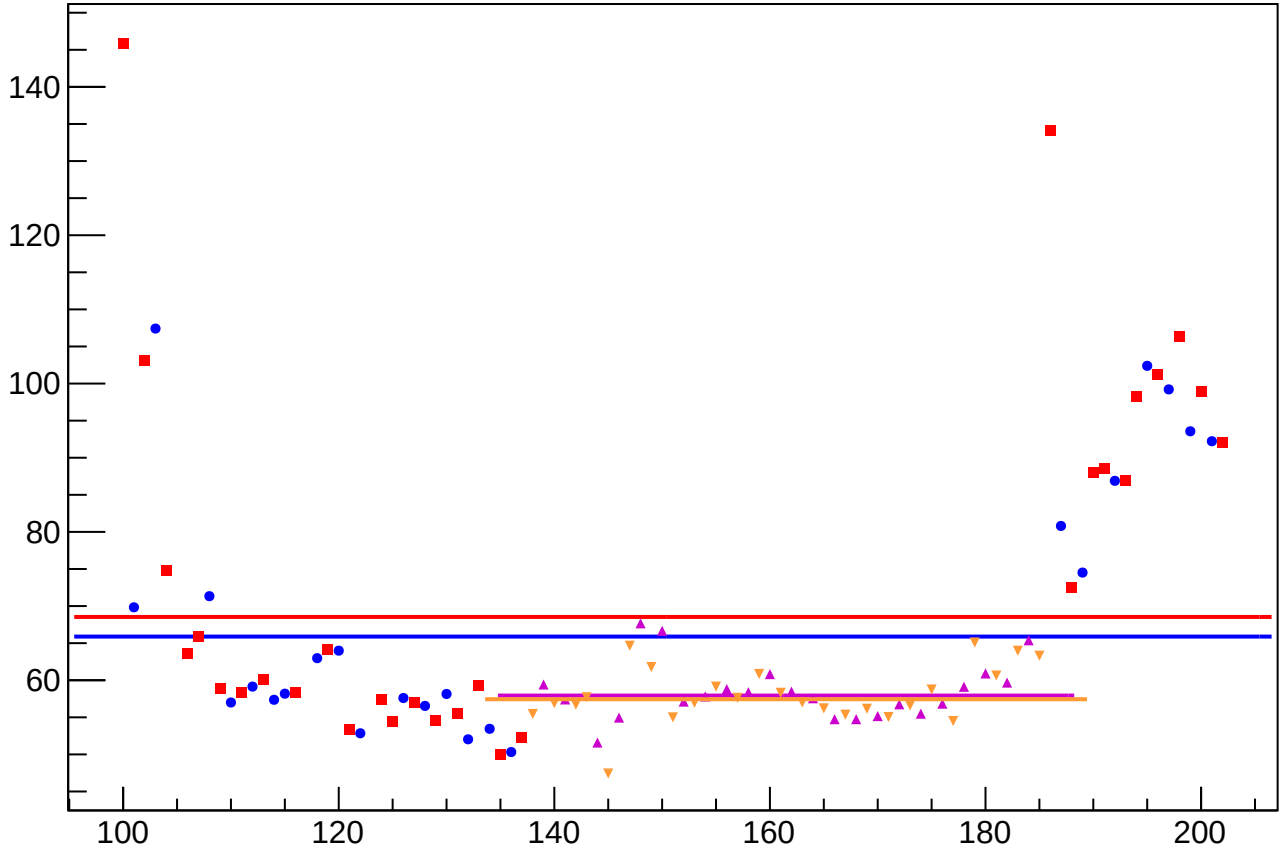
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -66.883+/-10.852 χ^2/NDF: 92.3/47

All: -5.490+/-7.718 χ^2/NDF: 234.0/99

- sign 57.360+/-10.980 χ^2/NDF: 77.0/51

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.886+/-0.014 χ^2/NDF: 1446613.7/22

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

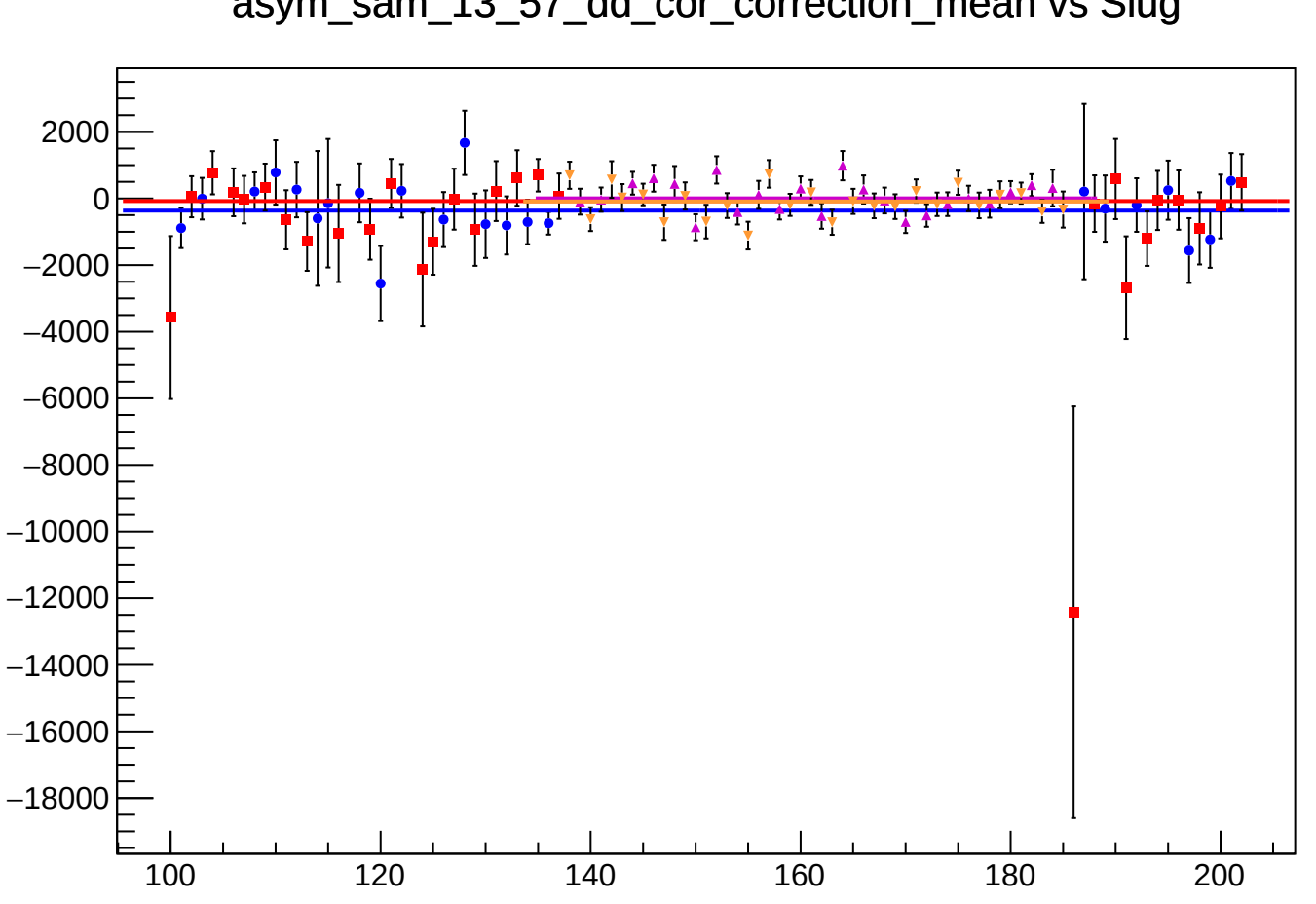
Right Out: 68.533+/-0.013 χ^2/NDF: 1909206.1/28

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.080+/-0.008 χ^2/NDF: 1881488.9/47

All: 60.826+/-0.005 χ^2/NDF: 4366900.4/99

- sign 61.589+/-0.008 χ^2/NDF: 2466313.4/51



Right In: -364.531+/-161.173 χ^2/NDF: 19.5/22

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -77.732+/-159.037 χ^2/NDF: 25.5/28

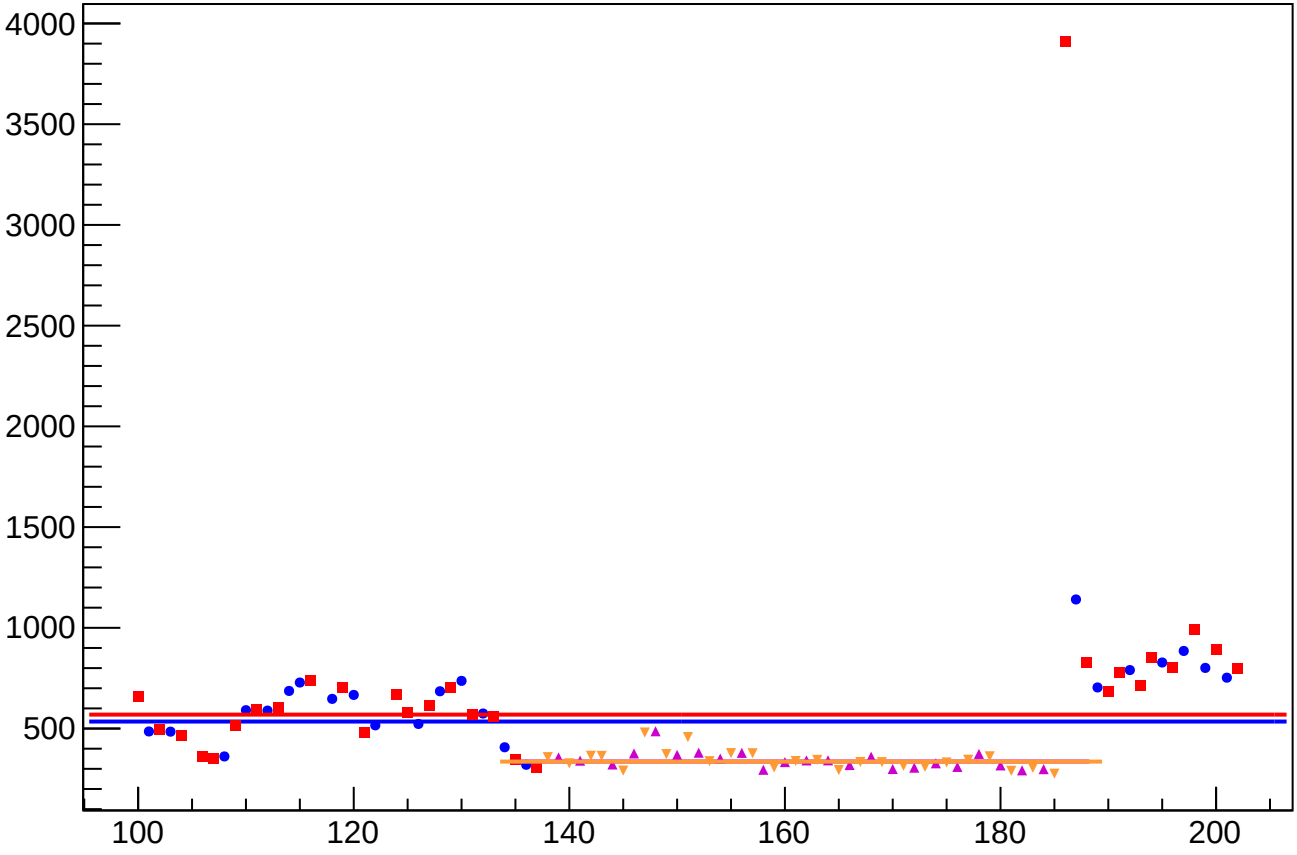
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -140.263+/-69.486 χ^2/NDF: 51.8/47

All: -77.906+/-49.623 χ^2/NDF: 112.7/99

- sign -13.003+/-70.890 χ^2/NDF: 59.3/51

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 534.746+/-0.114 χ^2/NDF: 2486018.6/22

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 569.168+/-0.112 χ^2/NDF: 3221952.6/28

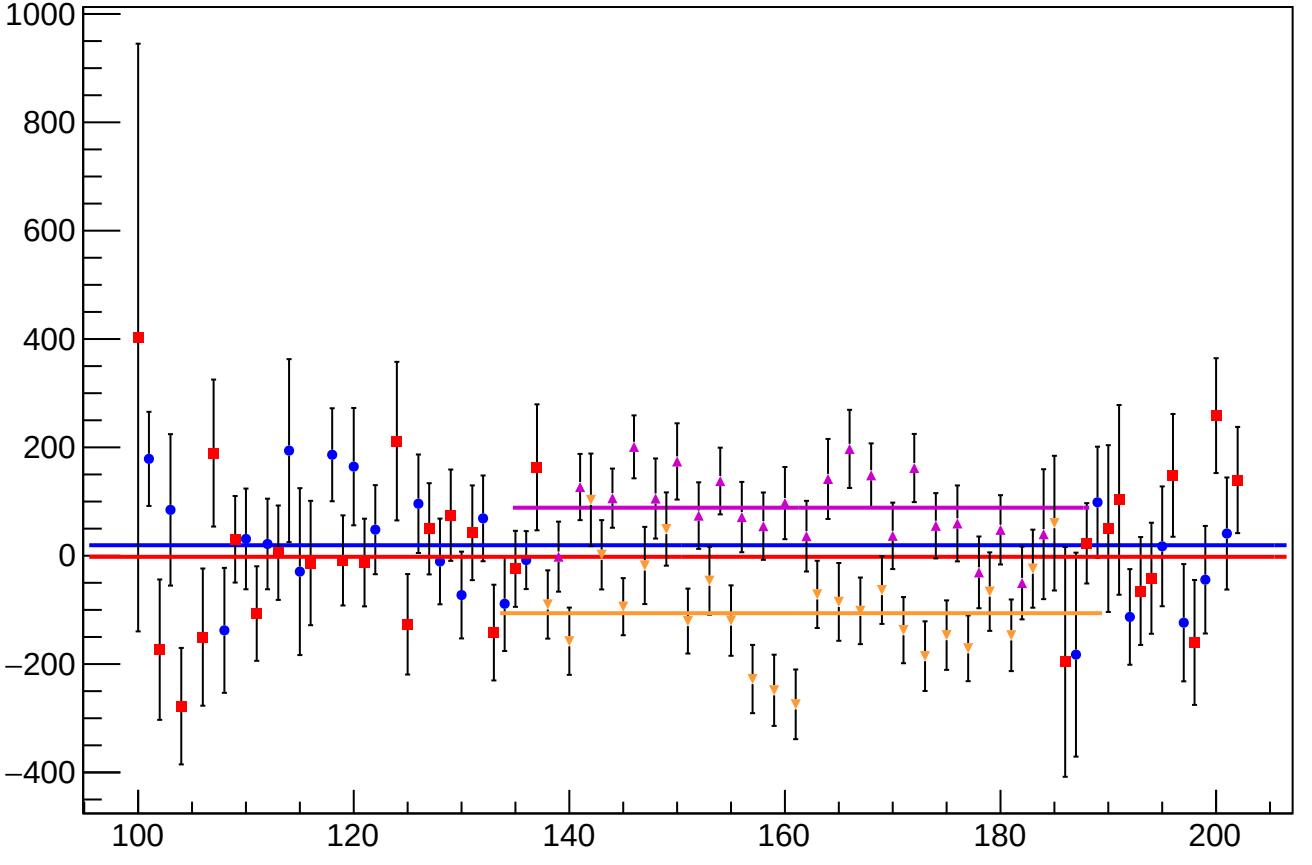
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 372.855+/-0.049 χ^2/NDF: 5498406.6/47

All: 377.632+/-0.035 χ^2/NDF: 12588573.3/99

- sign 382.603+/-0.050 χ^2/NDF: 7070880.3/51

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 19.351+/-19.410 χ^2/NDF: 22.9/22

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -2.011+/-18.696 χ^2/NDF: 37.7/28

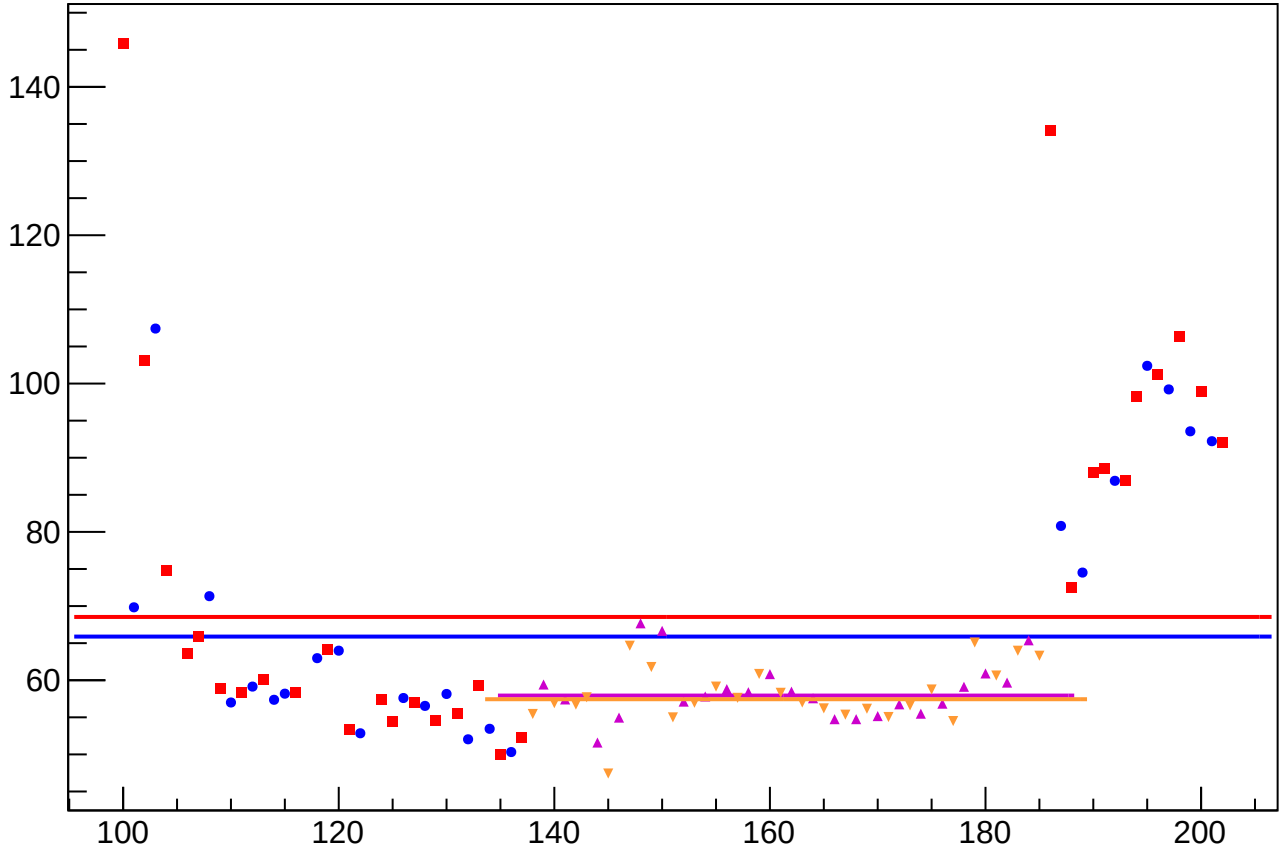
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -66.883+/-10.852 χ^2/NDF: 92.3/47

All: -5.490+/-7.718 χ^2/NDF: 234.0/99

- sign 57.360+/-10.980 χ^2/NDF: 77.0/51

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.886+/-0.014 χ^2/NDF: 1446613.7/22

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

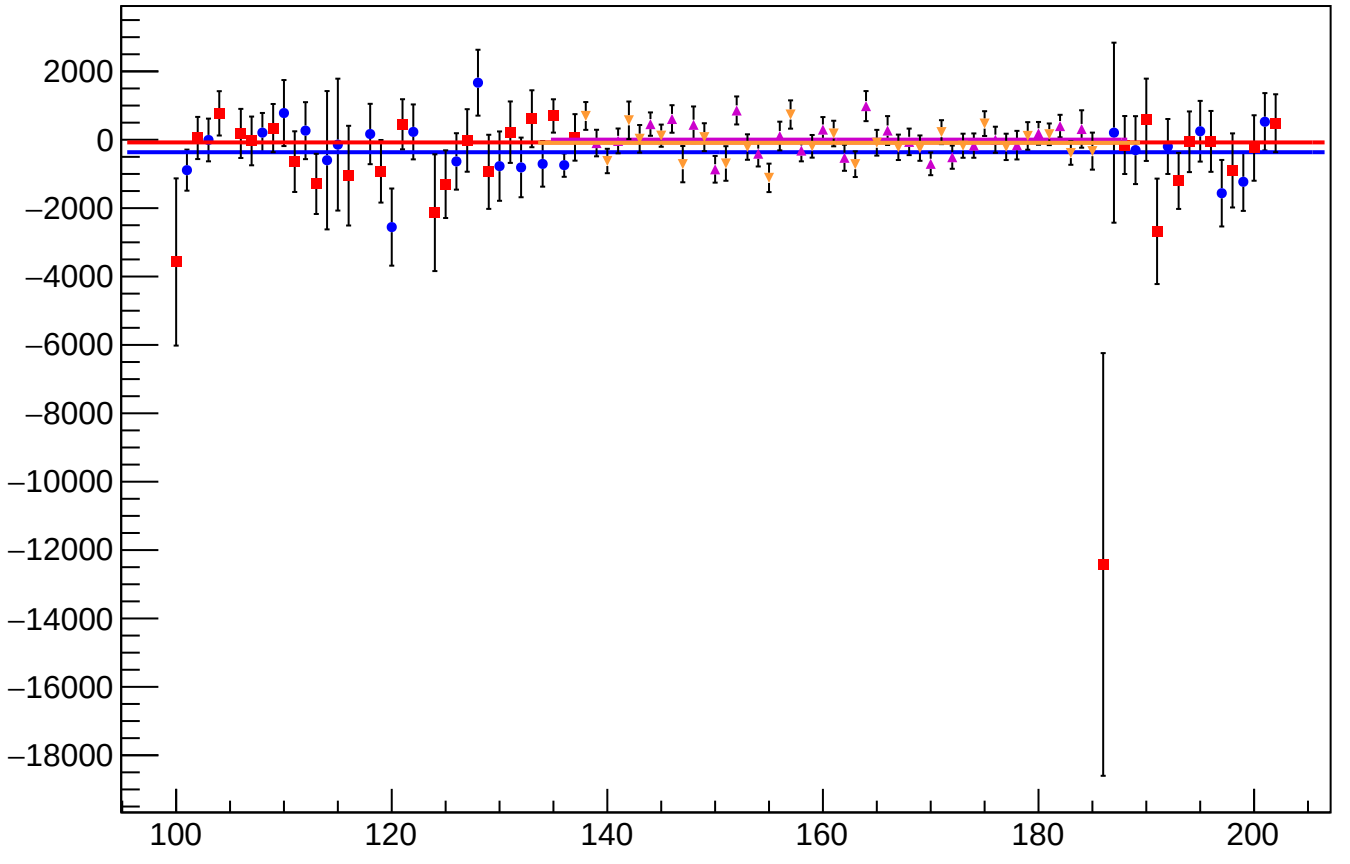
Right Out: 68.533+/-0.013 χ^2/NDF: 1909206.1/28

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.080+/-0.008 χ^2/NDF: 1881488.9/47

All: 60.826+/-0.005 χ^2/NDF: 4366900.4/99

- sign 61.589+/-0.008 χ^2/NDF: 2466313.4/51



Right In: -364.531+/-161.173 χ^2/NDF: 19.5/22

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -77.732+/-159.037 χ^2/NDF: 25.5/28

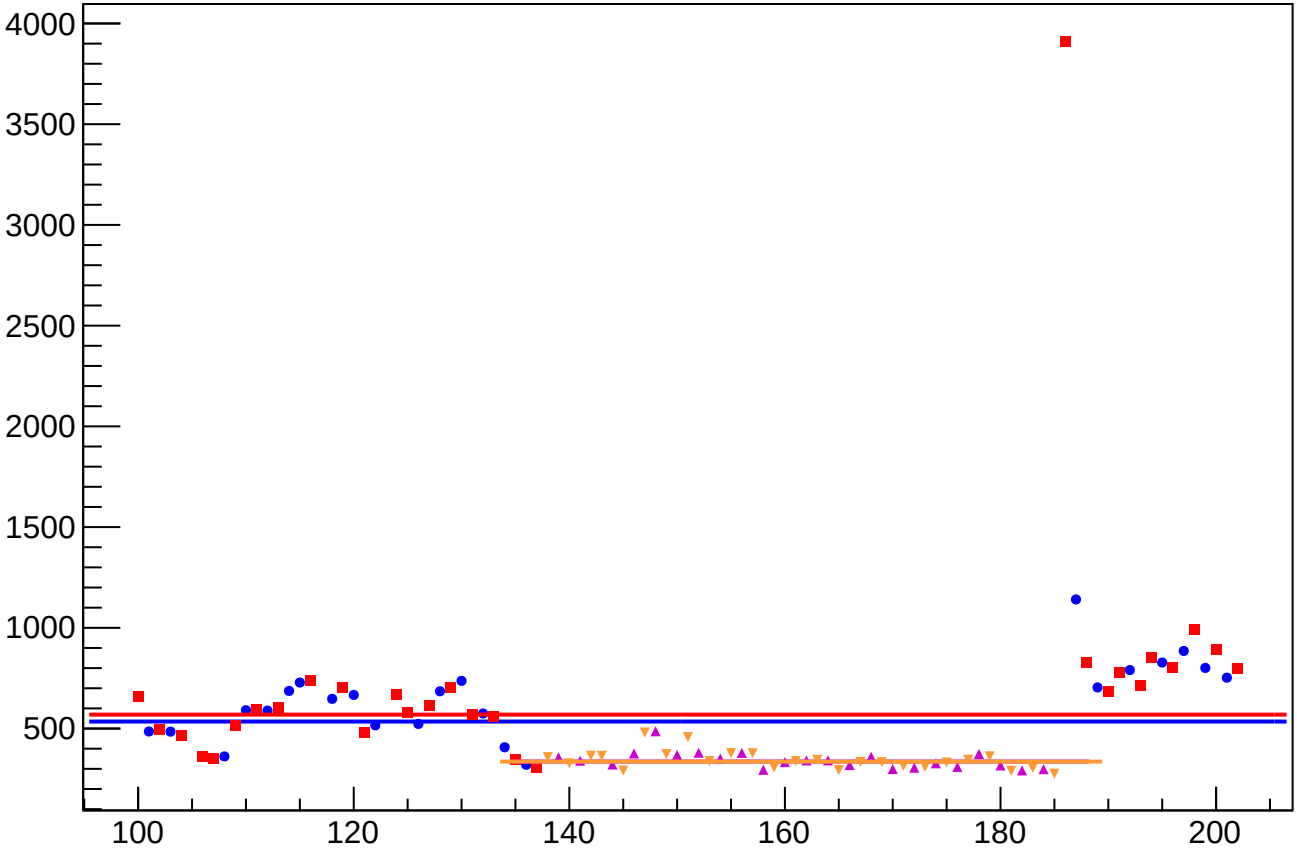
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -140.263+/-69.486 χ^2/NDF: 51.8/47

All: -77.906+/-49.623 χ^2/NDF: 112.7/99

- sign -13.003+/-70.890 χ^2/NDF: 59.3/51

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 534.746+/-0.114 χ^2/NDF: 2486018.6/22

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 569.168+/-0.112 χ^2/NDF: 3221952.6/28

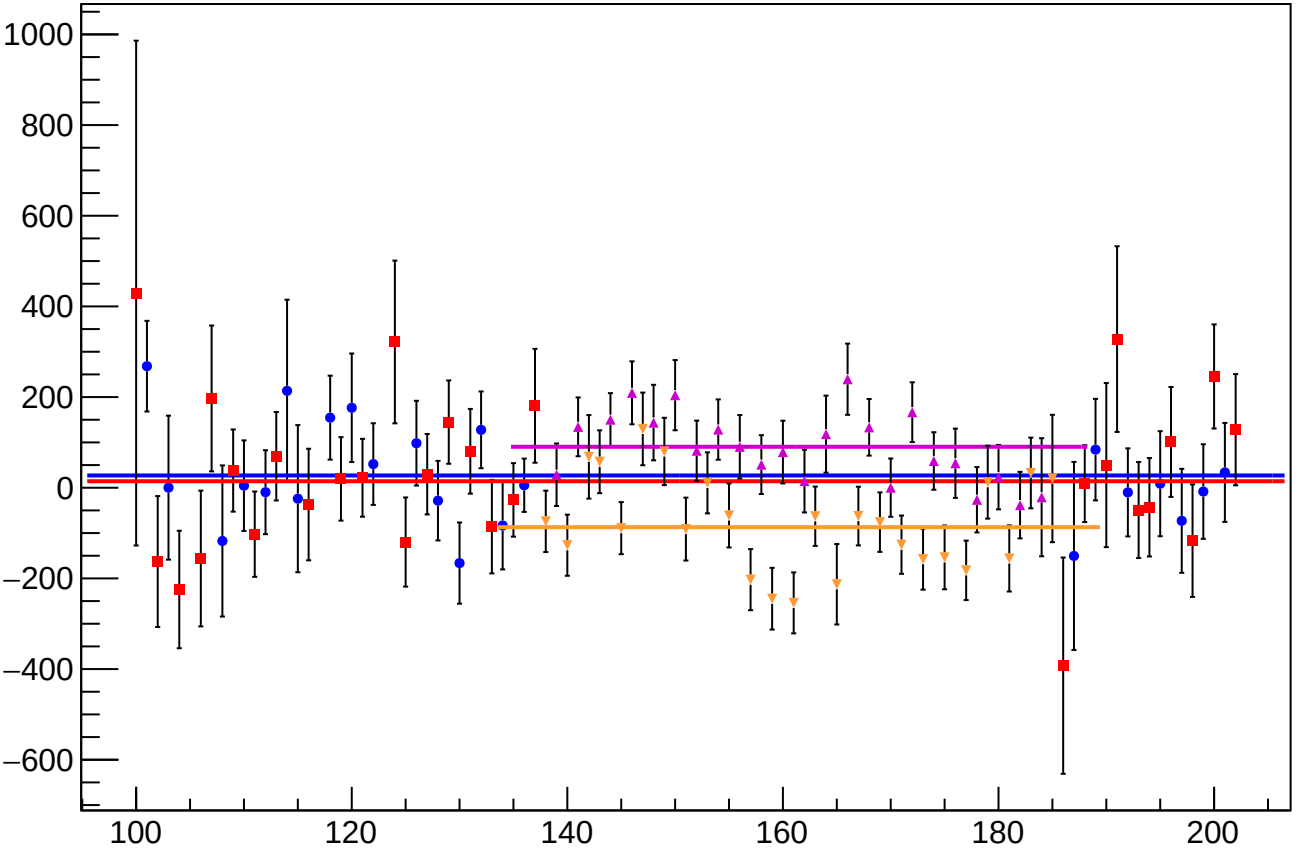
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 372.855+/-0.049 χ^2/NDF: 5498406.6/47

All: 377.632+/-0.035 χ^2/NDF: 12588573.3/99

- sign 382.603+/-0.050 χ^2/NDF: 7070880.3/51

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 27.071+/-21.295 χ^2/NDF: 21.8/22

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

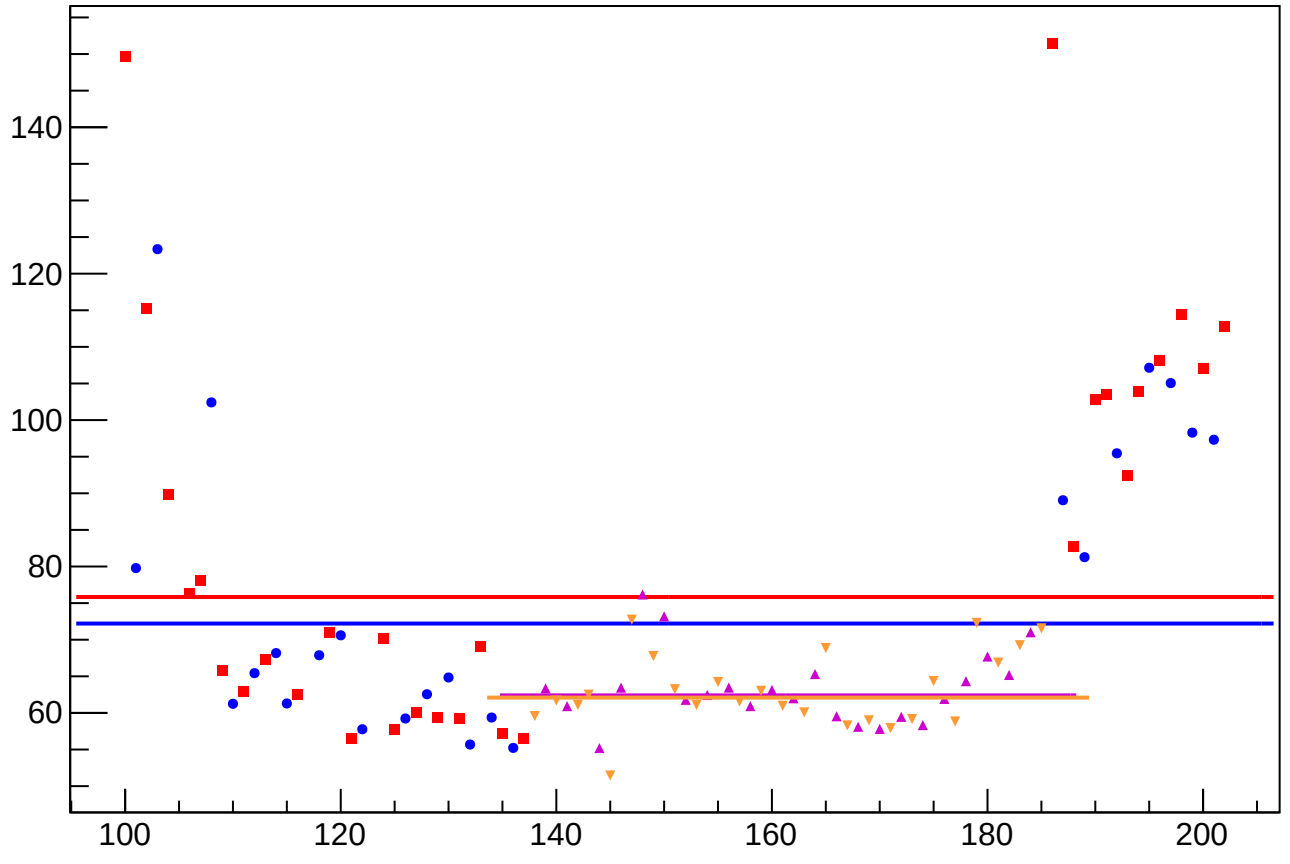
Right Out: 14.357+/-20.772 χ^2/NDF: 32.9/28

Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -51.947+/-11.800 χ^2/NDF: 90.5/47

All: 5.711+/-8.405 χ^2/NDF: 205.9/99

- sign 65.100+/-11.976 χ^2/NDF: 66.9/51



Right In: 72.209+/-0.015 χ^2/NDF: 1457559.6/22

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 75.833+/-0.015 χ^2/NDF: 1982210.3/28

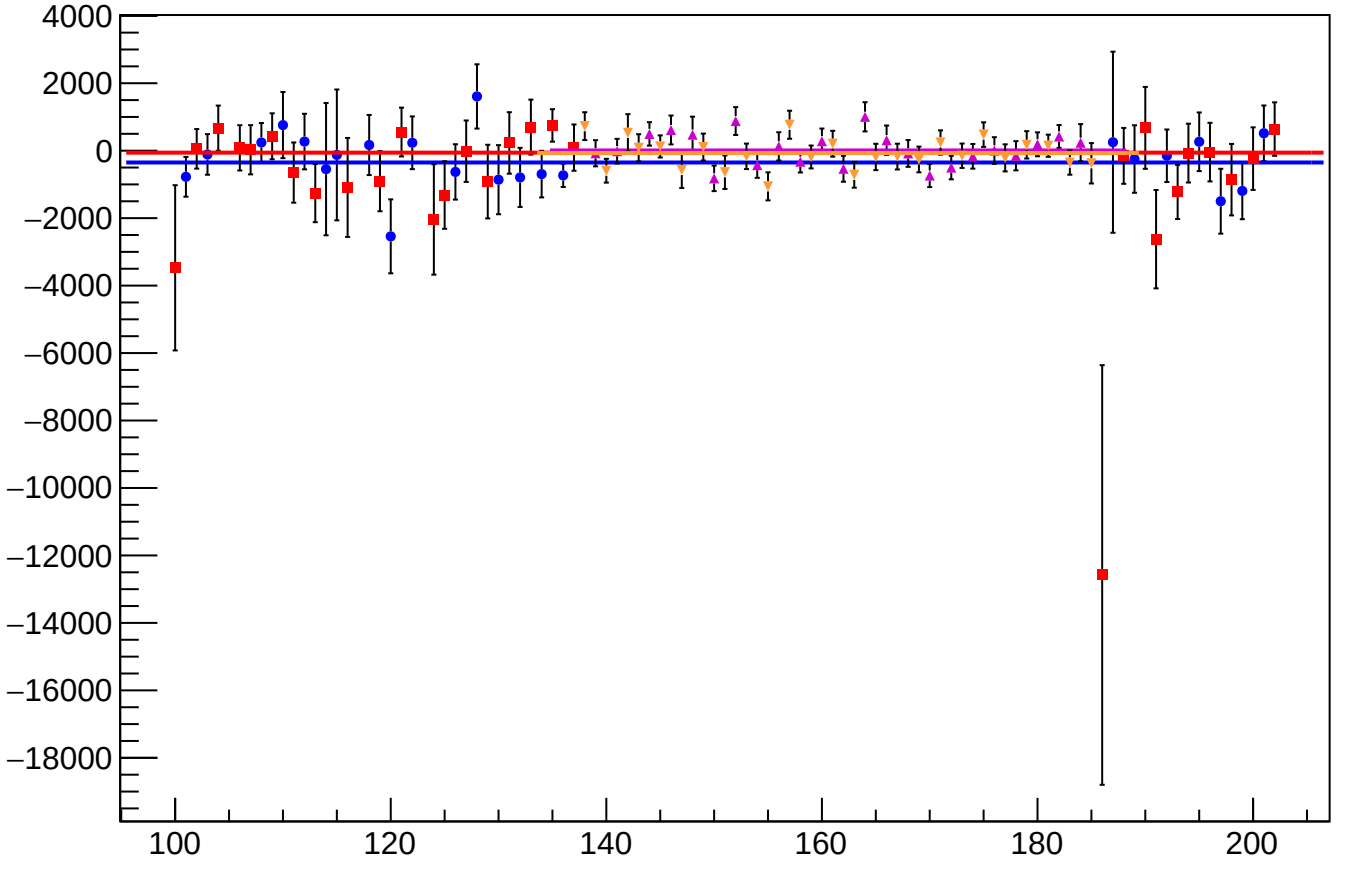
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 65.199+/-0.008 χ^2/NDF: 2003651.8/47

All: 66.018+/-0.006 χ^2/NDF: 4753016.4/99

- sign 66.861+/-0.008 χ^2/NDF: 2729809.6/51

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -350.059+/-160.469 χ^2/NDF: 19.0/22

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -58.107+/-156.534 χ^2/NDF: 26.7/28

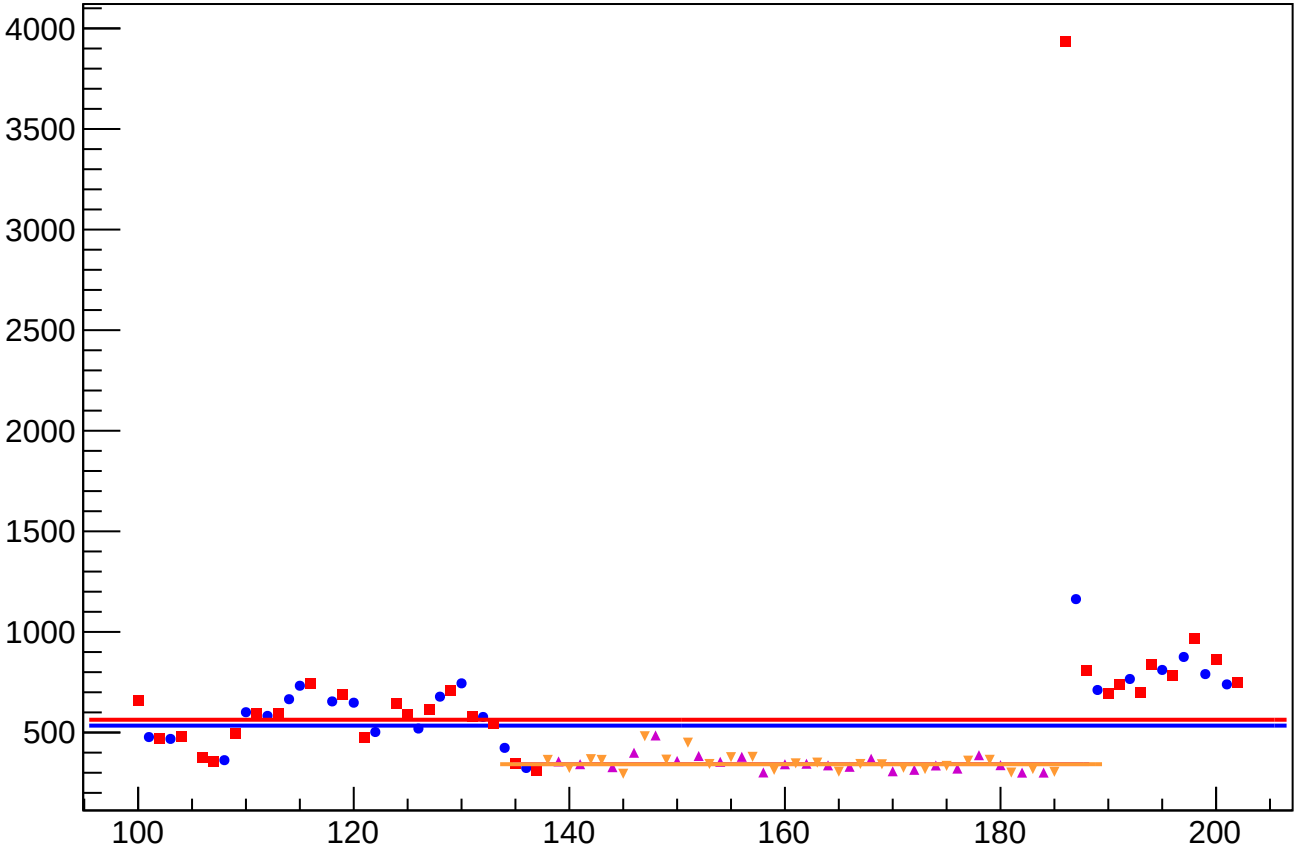
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -125.036+/-70.442 χ^2/NDF: 50.0/47

All: -67.303+/-50.273 χ^2/NDF: 112.2/99

- sign -7.371+/-71.771 χ^2/NDF: 60.8/51

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 534.261+/-0.113 χ^2/NDF: 2373067.7/22

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 563.461+/-0.111 χ^2/NDF: 3068908.3/28

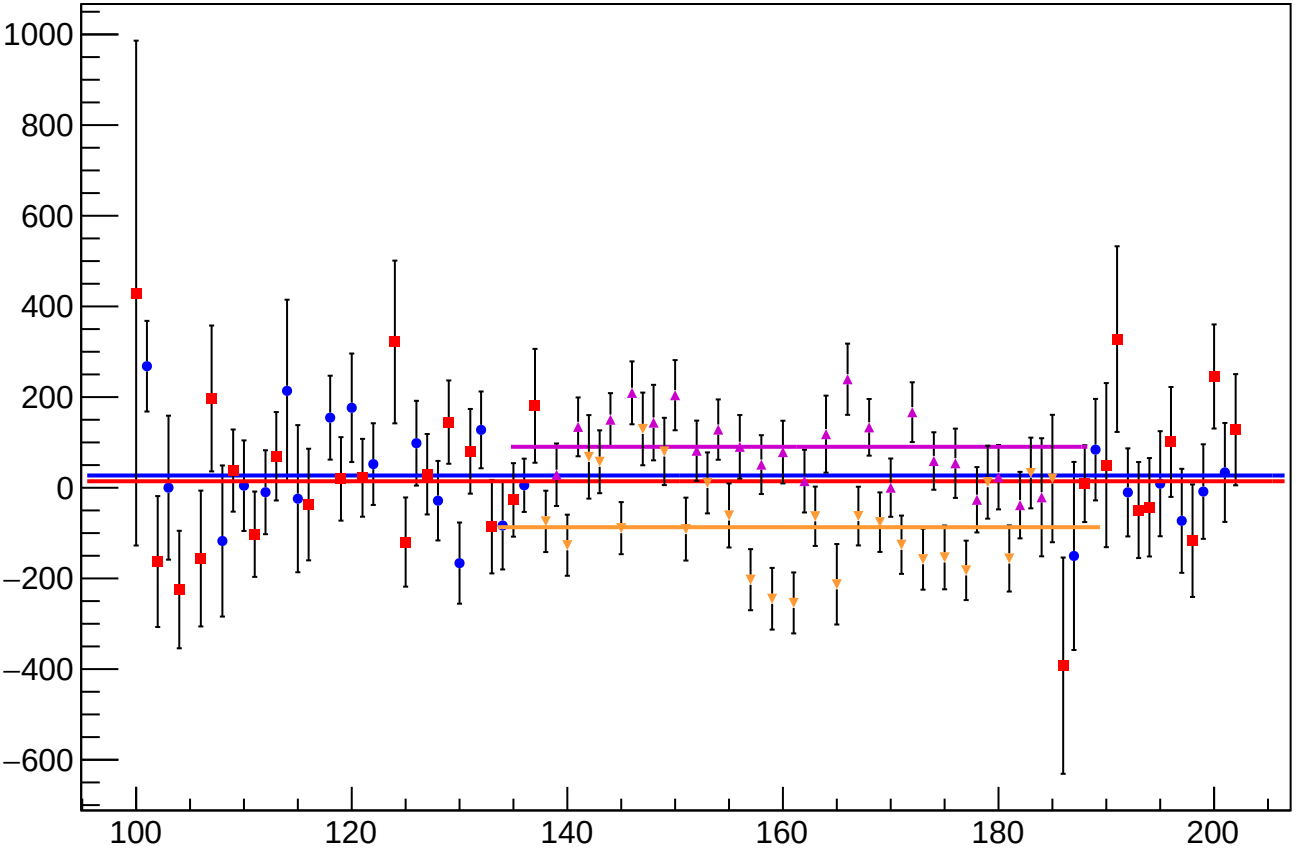
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 379.454+/-0.050 χ^2/NDF: 5112927.3/47

All: 384.402+/-0.036 χ^2/NDF: 11701146.0/99

- sign 389.539+/-0.051 χ^2/NDF: 6568103.8/51

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 27.071+/-21.295 χ^2/NDF: 21.8/22

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 14.357+/-20.772 χ^2/NDF: 32.9/28

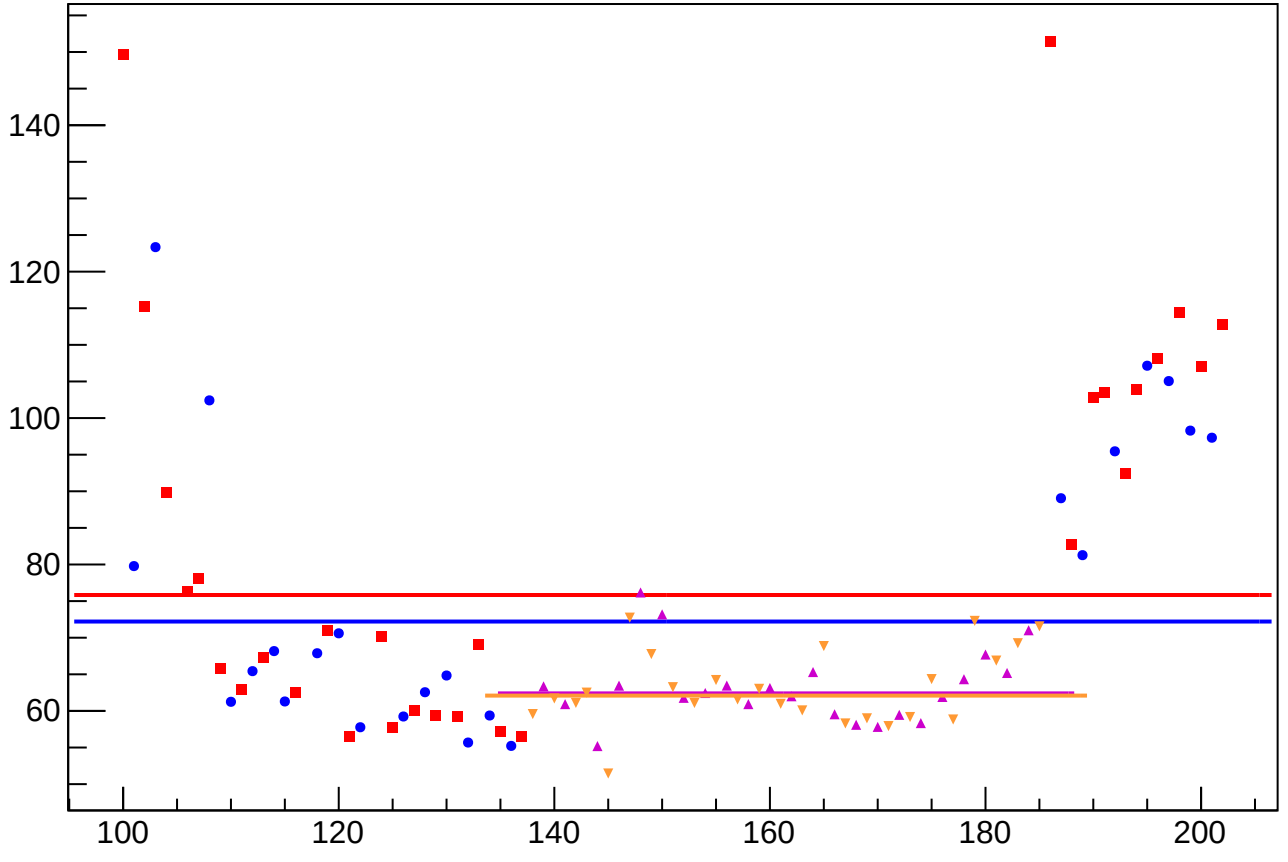
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -51.947+/-11.800 χ^2/NDF: 90.5/47

All: 5.711+/-8.405 χ^2/NDF: 205.9/99

- sign 65.100+/-11.976 χ^2/NDF: 66.9/51

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 72.209+/-0.015 χ^2/NDF: 1457581.2/22

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

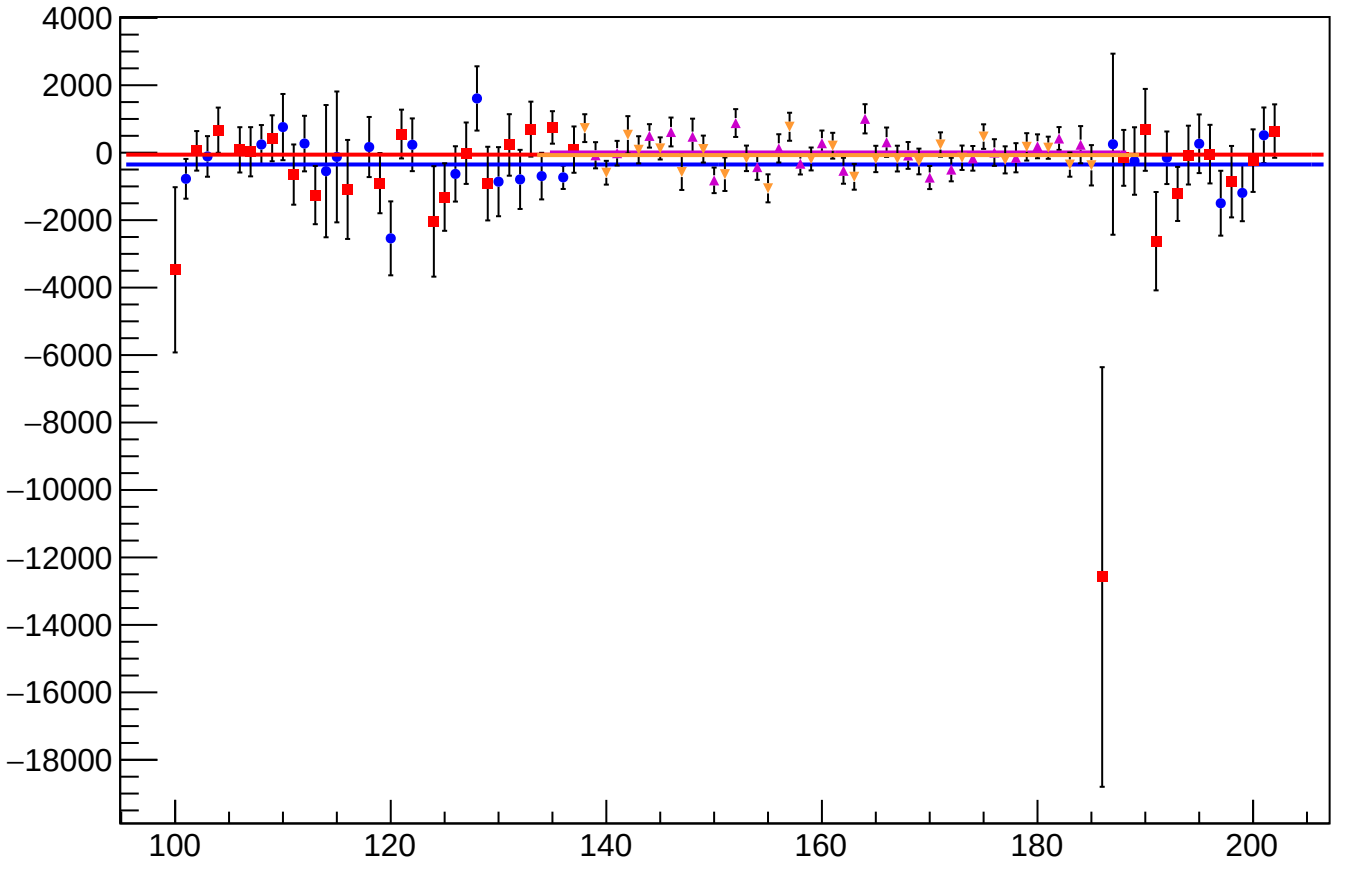
Right Out: 75.833+/-0.015 χ^2/NDF: 1982212.9/28

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 65.199+/-0.008 χ^2/NDF: 2003673.0/47

All: 66.018+/-0.006 χ^2/NDF: 4753036.1/99

- sign 66.861+/-0.008 χ^2/NDF: 2729807.6/51



Right In: -350.058+/-160.468 χ^2/NDF: 19.0/22

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -58.106+/-156.534 χ^2/NDF: 26.7/28

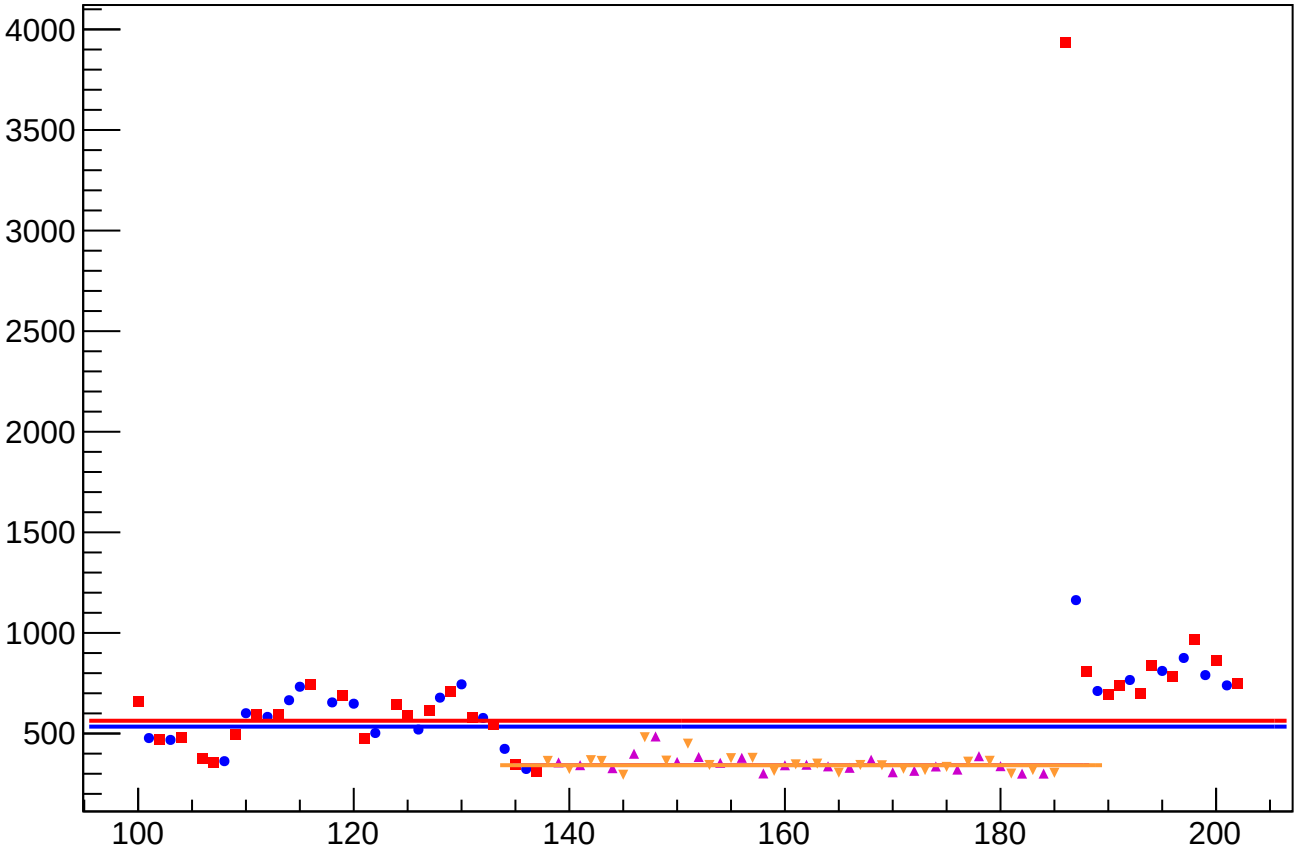
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -125.036+/-70.442 χ^2/NDF: 50.0/47

All: -67.303+/-50.273 χ^2/NDF: 112.2/99

- sign -7.371+/-71.771 χ^2/NDF: 60.8/51

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 534.260+/-0.113 χ^2/NDF: 2373071.5/22

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 563.460+/-0.111 χ^2/NDF: 3068915.0/28

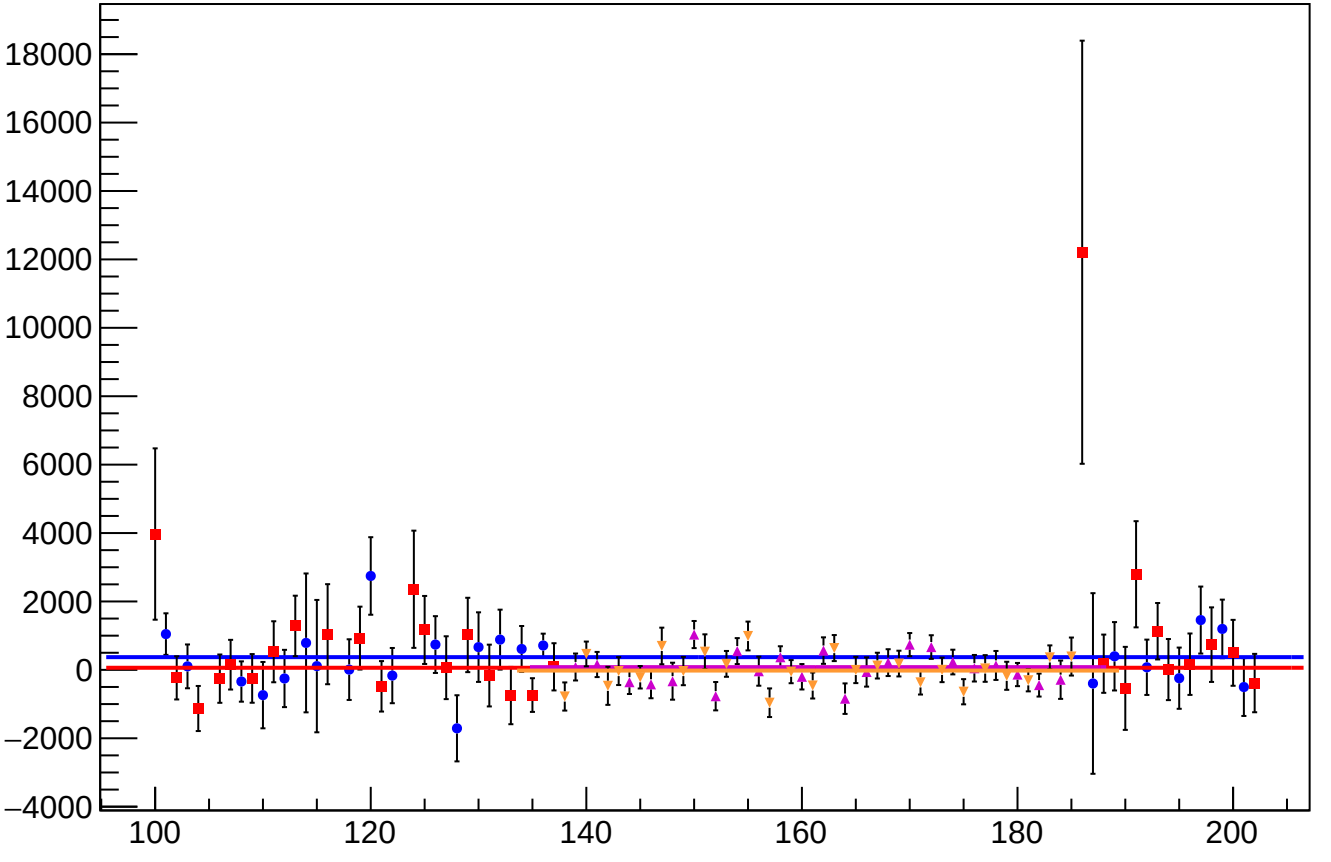
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 379.454+/-0.050 χ^2/NDF: 5112922.1/47

All: 384.402+/-0.036 χ^2/NDF: 11701129.6/99

- sign 389.539+/-0.051 χ^2/NDF: 6568092.3/51

asym_sam_13_57_dd_mean vs Slug



Right In: 372.010+/-162.863 χ^2/NDF: 20.1/22

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 61.643+/-160.351 χ^2/NDF: 27.6/28

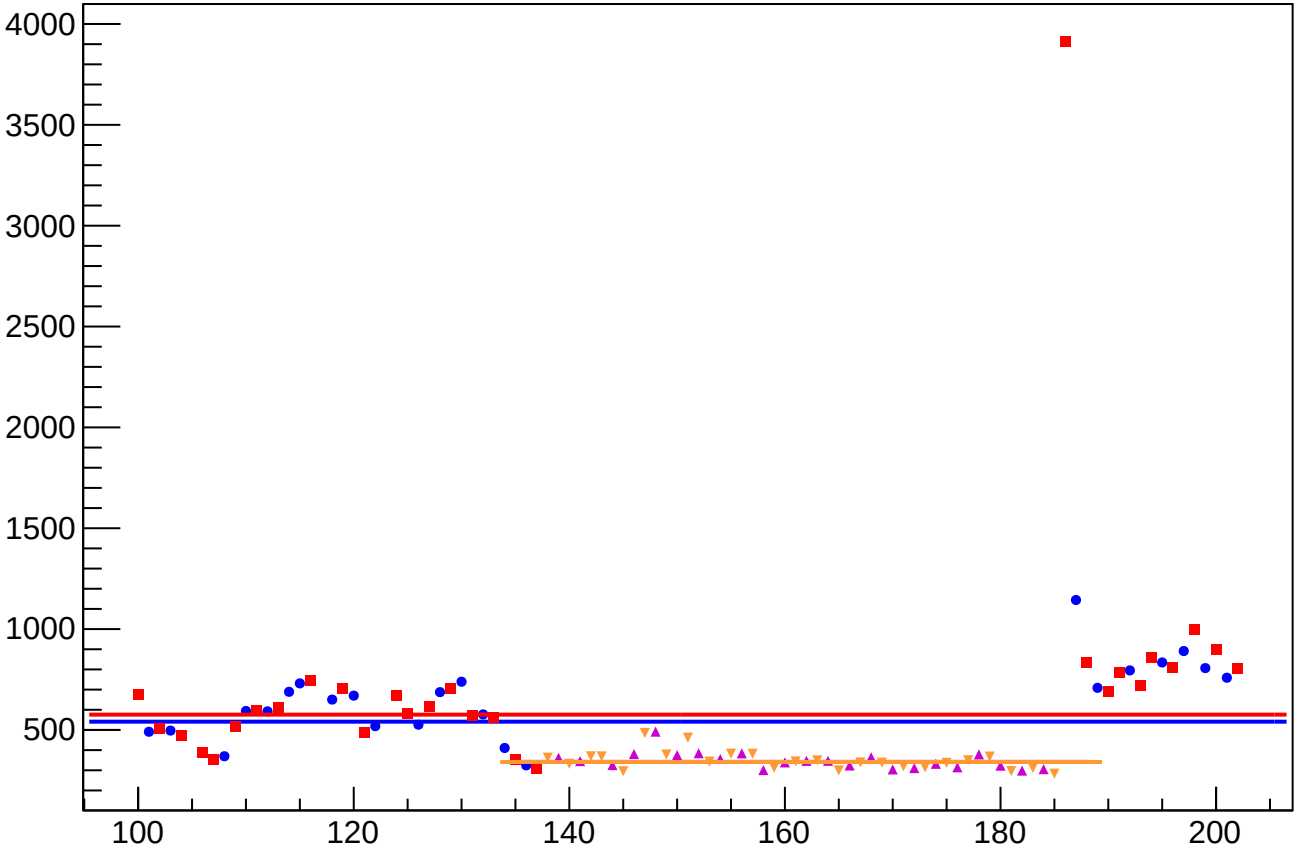
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

\+ sign 53.218+/-70.492 χ^2/NDF: 56.2/47

All: 64.038+/-50.329 χ^2/NDF: 116.8/99

\- sign 75.288+/-71.879 χ^2/NDF: 60.5/51

asym_sam_13_57_dd_rms vs Slug



Right In: 541.039+/-0.115 χ^2/NDF: 2432693.1/22

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

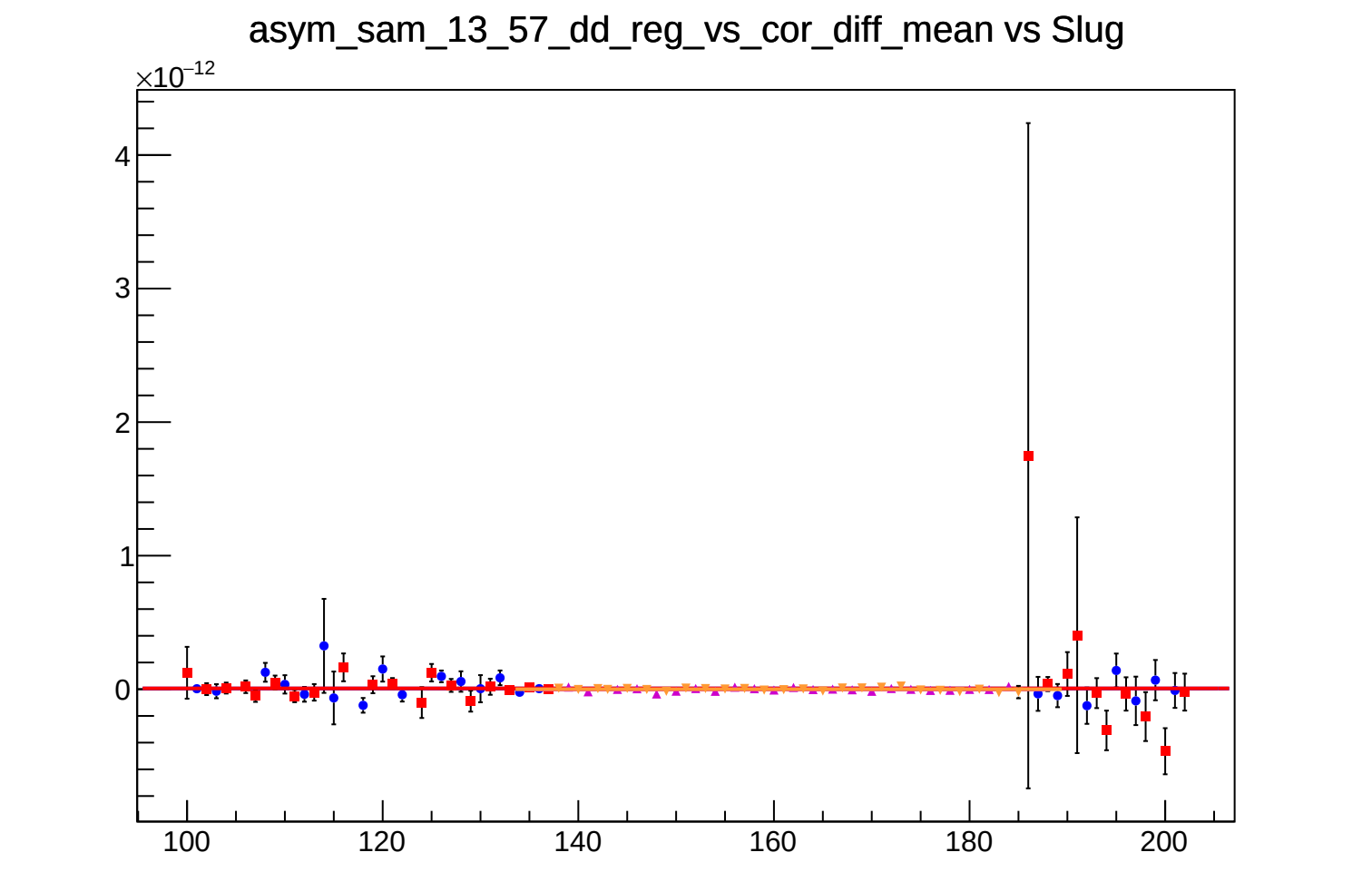
Right Out: 575.939+/-0.113 χ^2/NDF: 3142107.0/28

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 378.637+/-0.050 χ^2/NDF: 5390665.7/47

All: 383.573+/-0.036 χ^2/NDF: 12362144.6/99

- sign 388.705+/-0.051 χ^2/NDF: 6951478.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/28

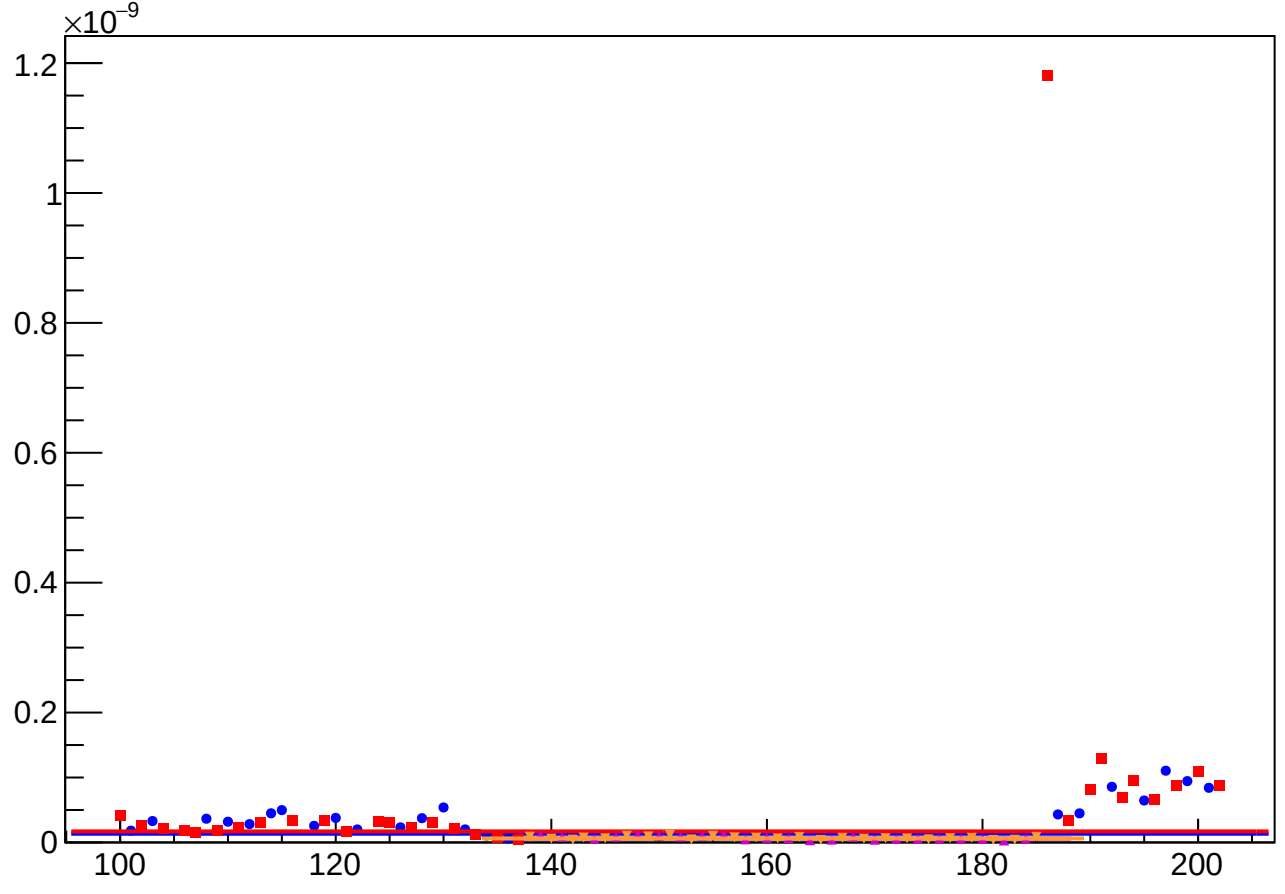
Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.7/47

All: -0.000+/-0.000 χ^2/NDF: 88.2/99

- sign -0.000+/-0.000 χ^2/NDF: 44.2/51

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5920647.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5607008.0/28

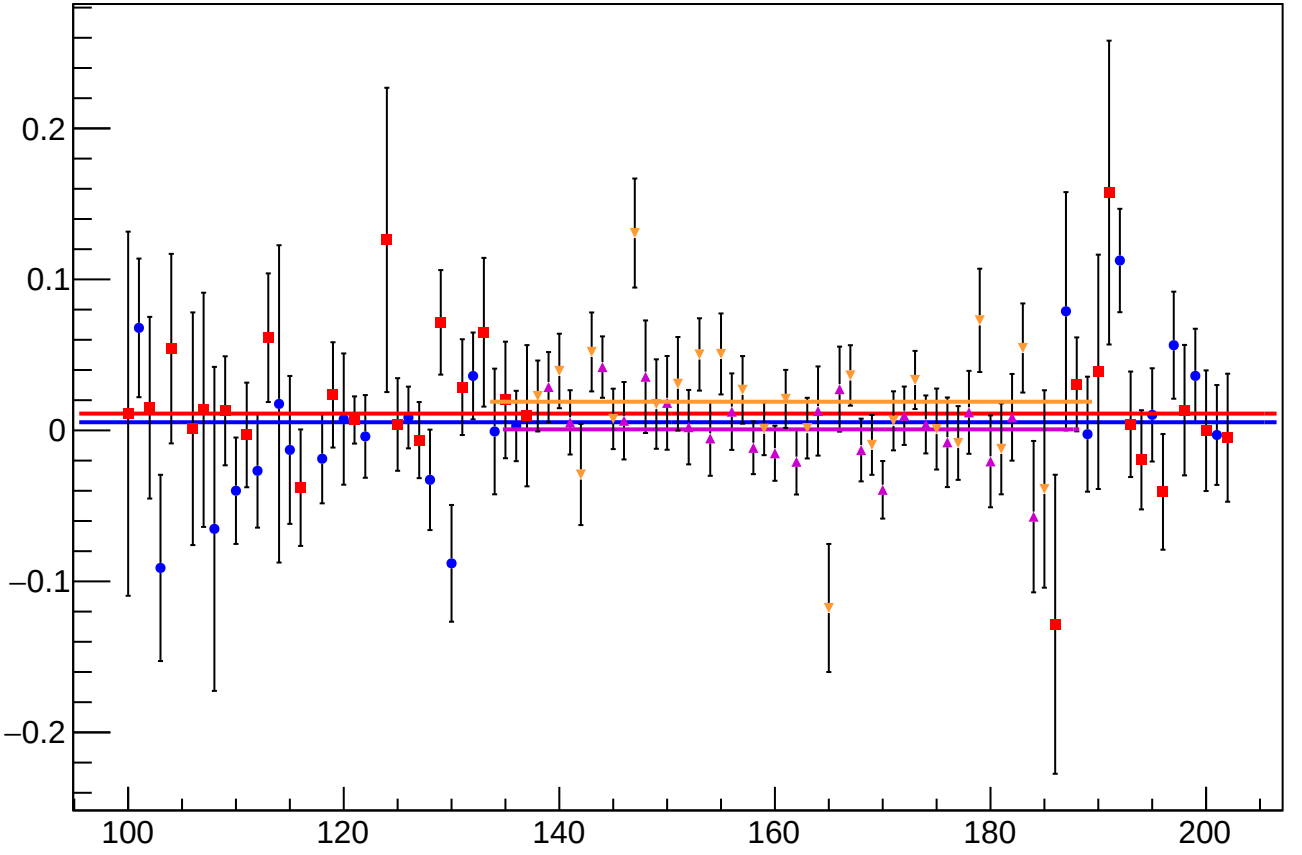
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8585971.9/47

All: 0.000+/-0.000 χ^2/NDF: 18612912.2/99

- sign 0.000+/-0.000 χ^2/NDF: 10026882.1/51

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

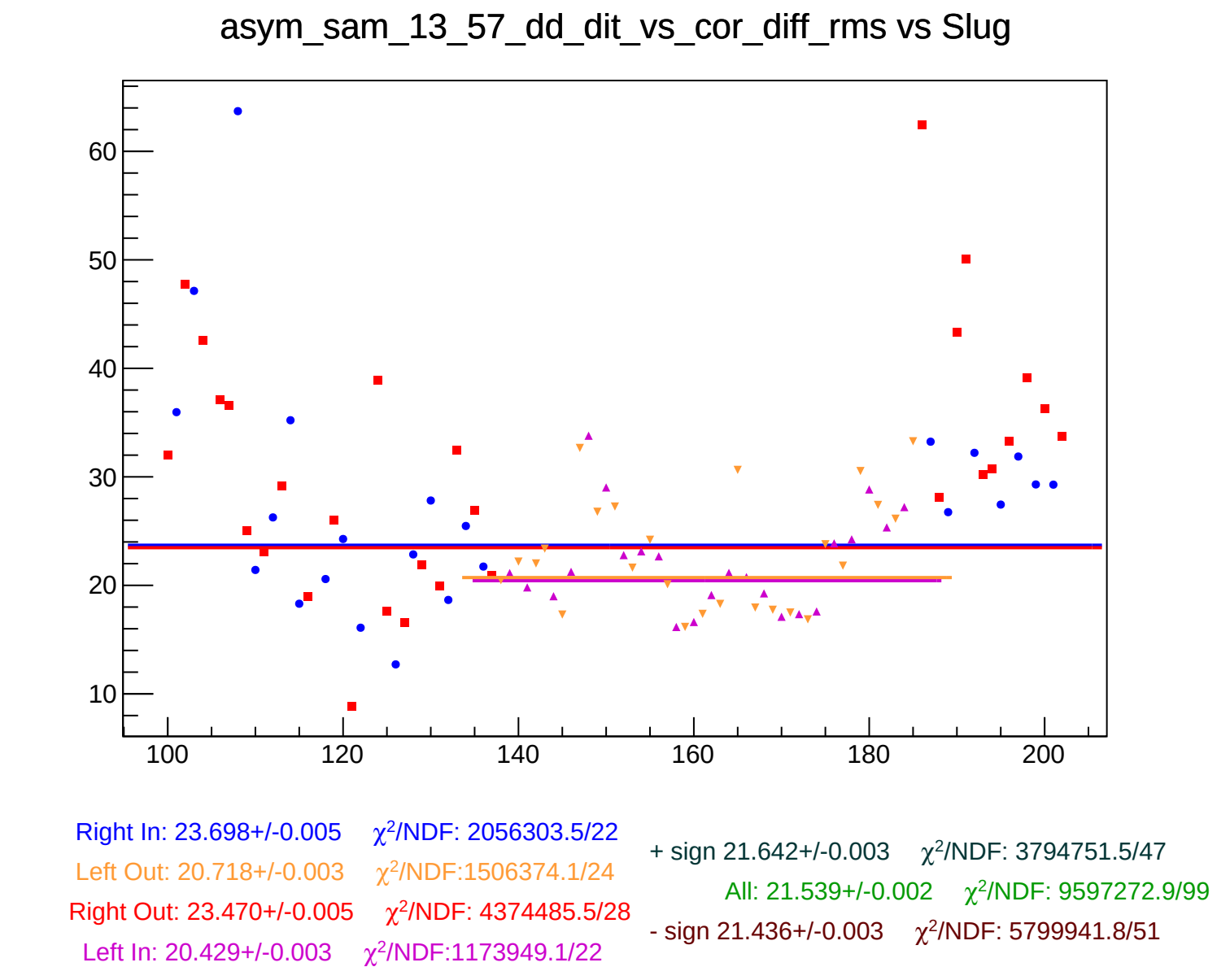
Right Out: 0.011+/-0.007 χ^2/NDF: 17.9/28

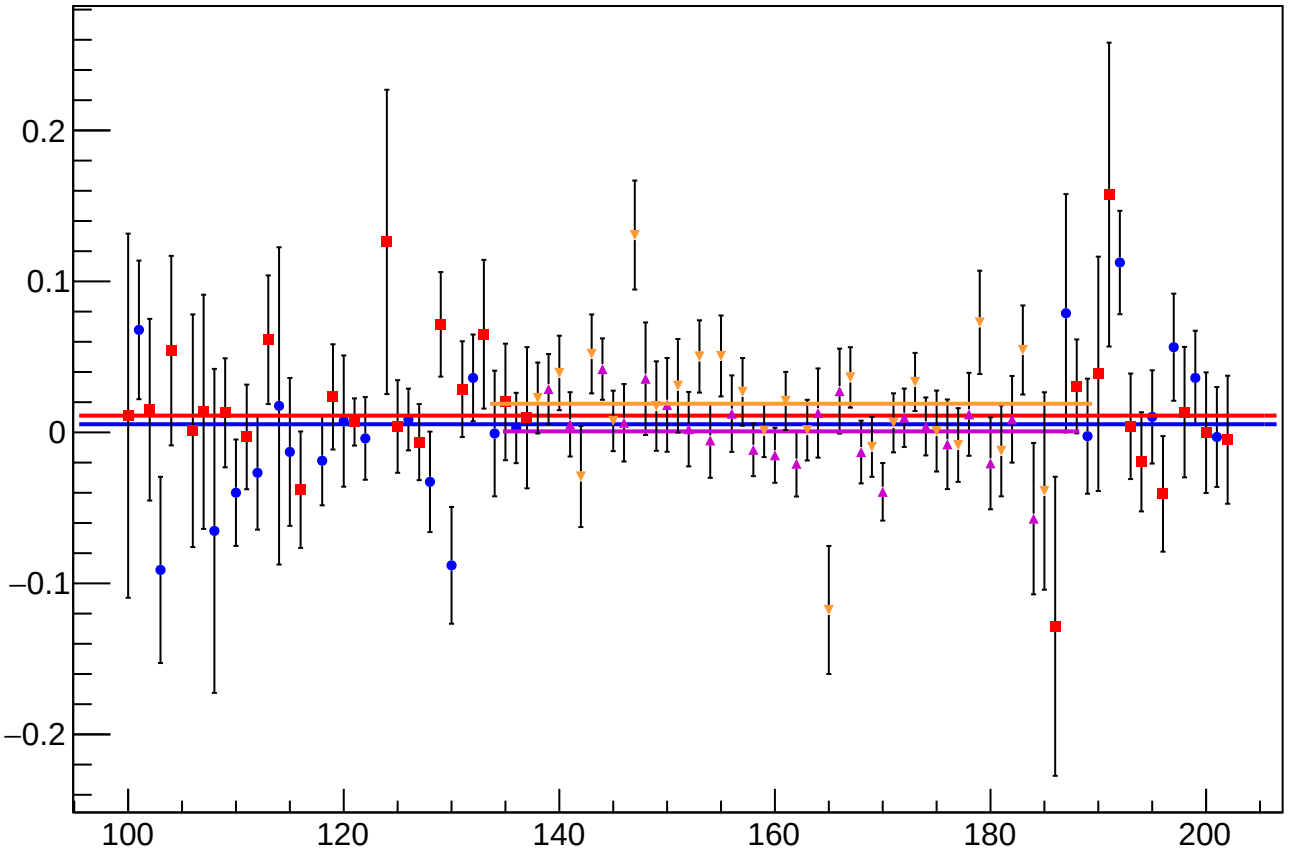
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.8/47

All: 0.009+/-0.003 χ^2/NDF: 114.3/99

- sign 0.004+/-0.004 χ^2/NDF: 37.1/51


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug
60
50
40
30
20
10
100
120
140
160
180
200
Right In: 23.698+/-0.005 χ²/NDF: 2056303.5/22
Left Out: 20.718+/-0.003 χ²/NDF:1506374.1/24
Right Out: 23.470+/-0.005 χ²/NDF: 4374485.5/28
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
+ sign 21.642+/-0.003 χ²/NDF: 3794751.5/47
All: 21.539+/-0.002 χ²/NDF: 9597272.9/99
- sign 21.436+/-0.003 χ²/NDF: 5799941.8/51



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

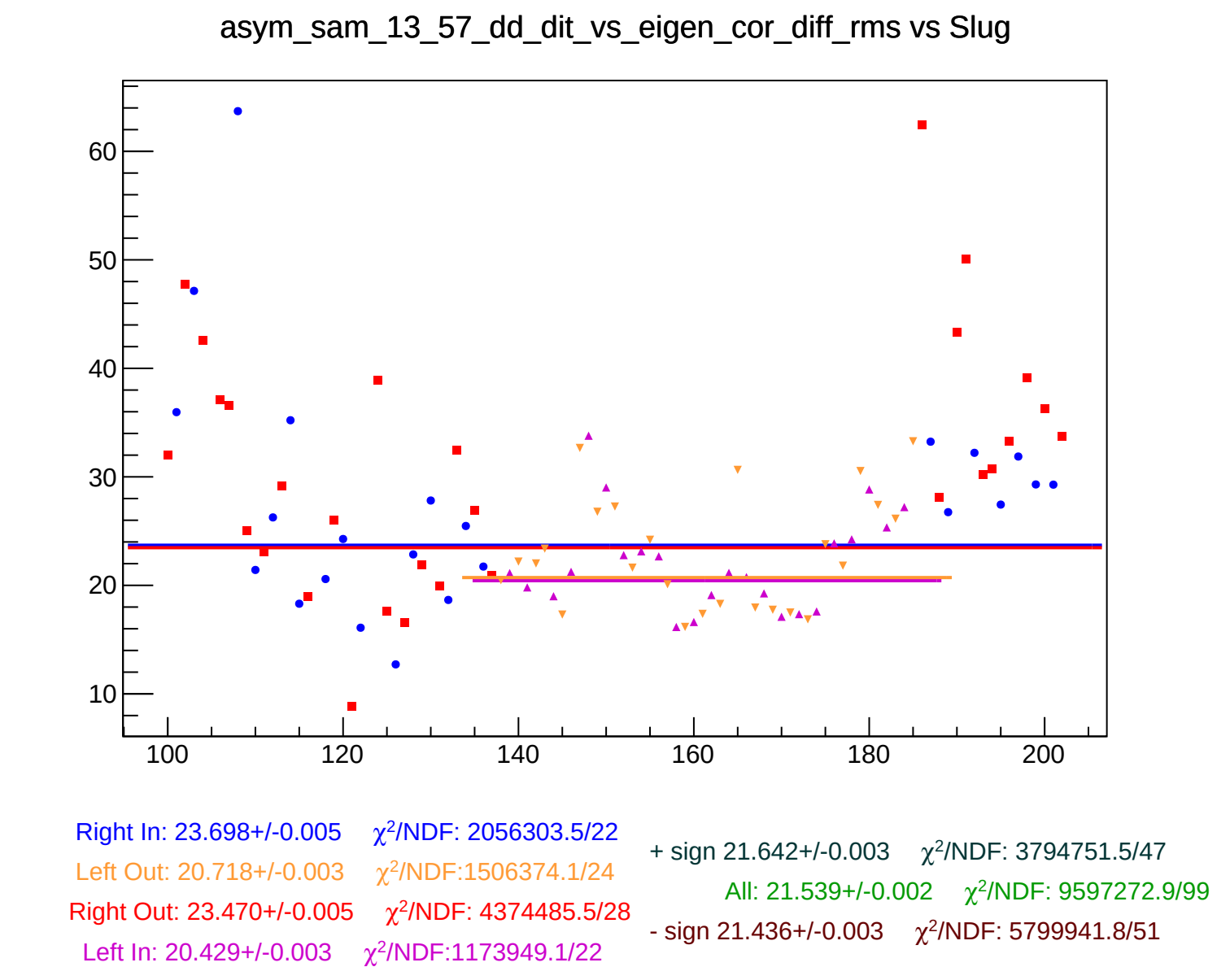
Right Out: 0.011+/-0.007 χ^2/NDF: 17.9/28

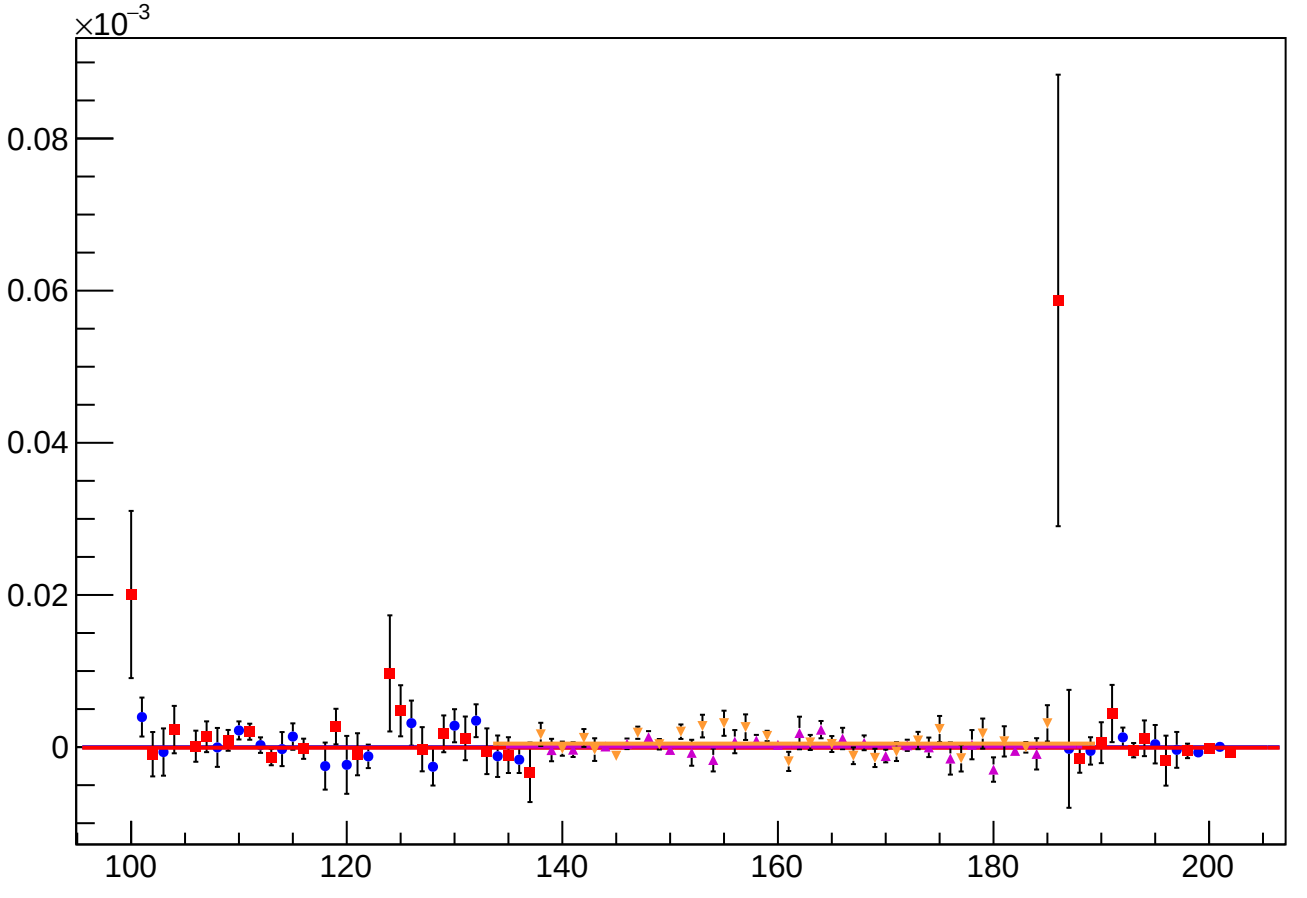
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.8/47

All: 0.009+/-0.003 χ^2/NDF: 114.3/99

- sign 0.004+/-0.004 χ^2/NDF: 37.1/51


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
10
100
120
140
160
180
200
Right In: 23.698+/-0.005 χ²/NDF: 2056303.5/22
Left Out: 20.718+/-0.003 χ²/NDF:1506374.1/24
Right Out: 23.470+/-0.005 χ²/NDF: 4374485.5/28
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
+ sign 21.642+/-0.003 χ²/NDF: 3794751.5/47
All: 21.539+/-0.002 χ²/NDF: 9597272.9/99
- sign 21.436+/-0.003 χ²/NDF: 5799941.8/51



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

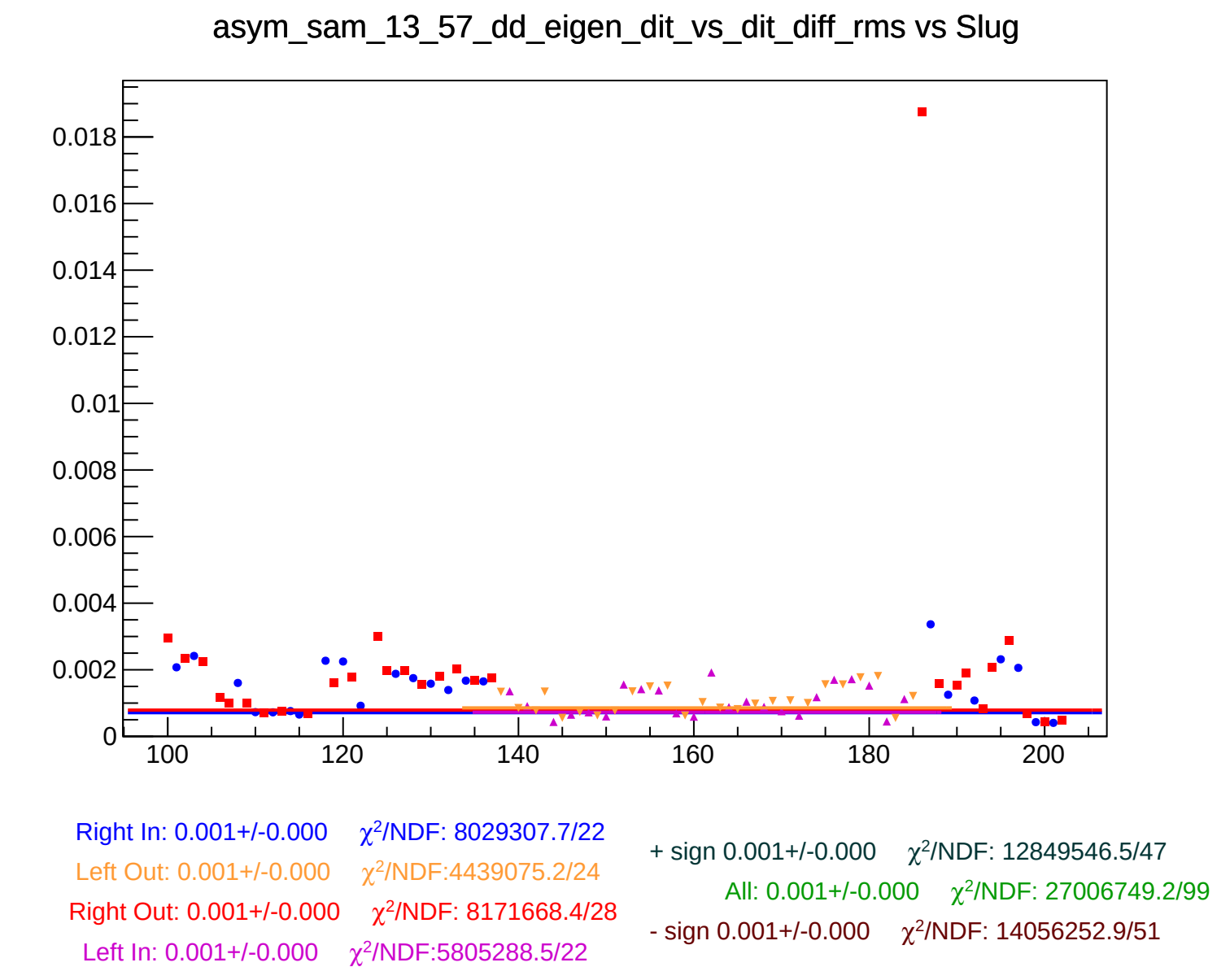
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/28

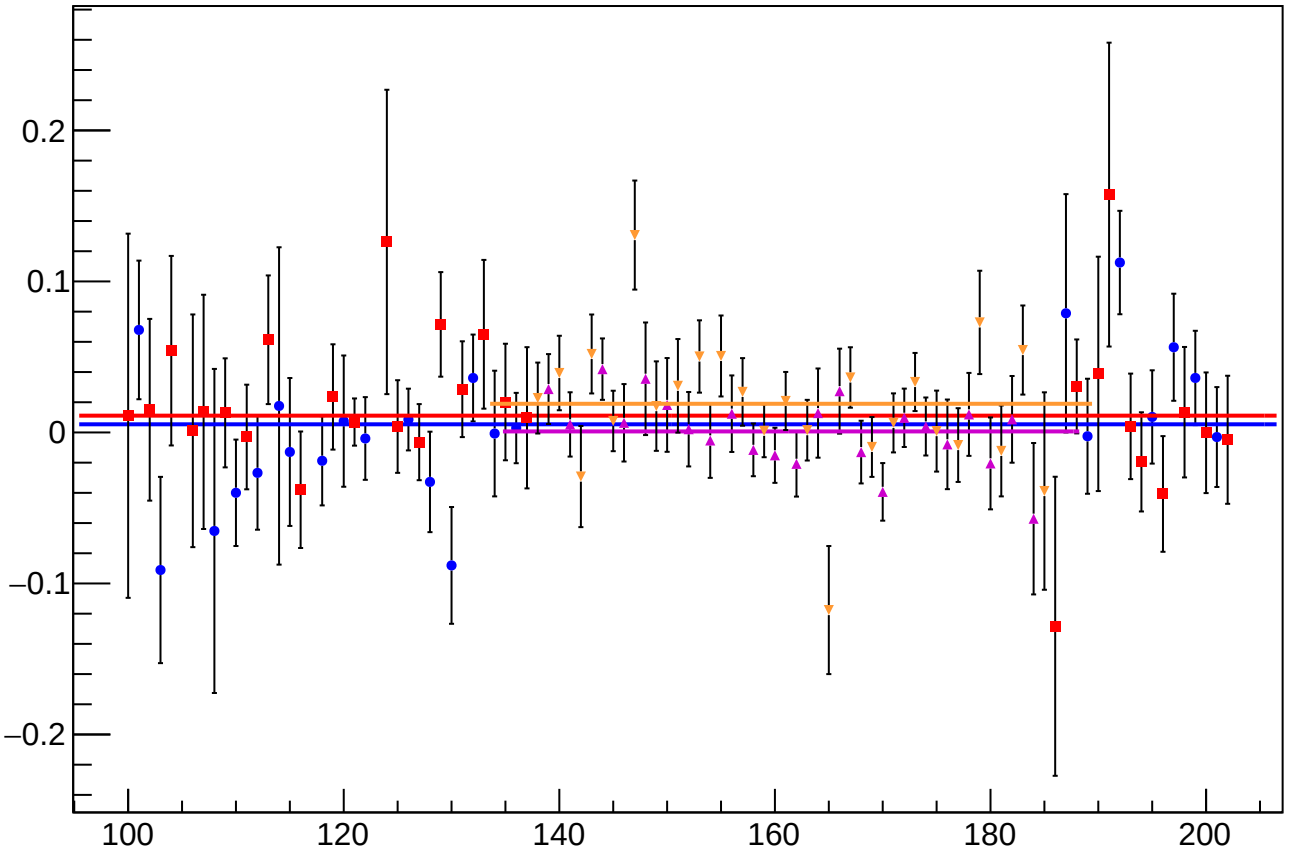
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.1/47

All: 0.000+/-0.000 χ^2/NDF: 104.3/99

- sign 0.000+/-0.000 χ^2/NDF: 45.0/51


asym_sam_13_57_dd_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
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8029307.7/22
Left Out: 0.001+/-0.000 χ²/NDF:4439075.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 8171668.4/28
Left In: 0.001+/-0.000 χ²/NDF:5805288.5/22
+ sign 0.001+/-0.000 χ²/NDF: 12849546.5/47
All: 0.001+/-0.000 χ²/NDF: 27006749.2/99
- sign 0.001+/-0.000 χ²/NDF: 14056252.9/51



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

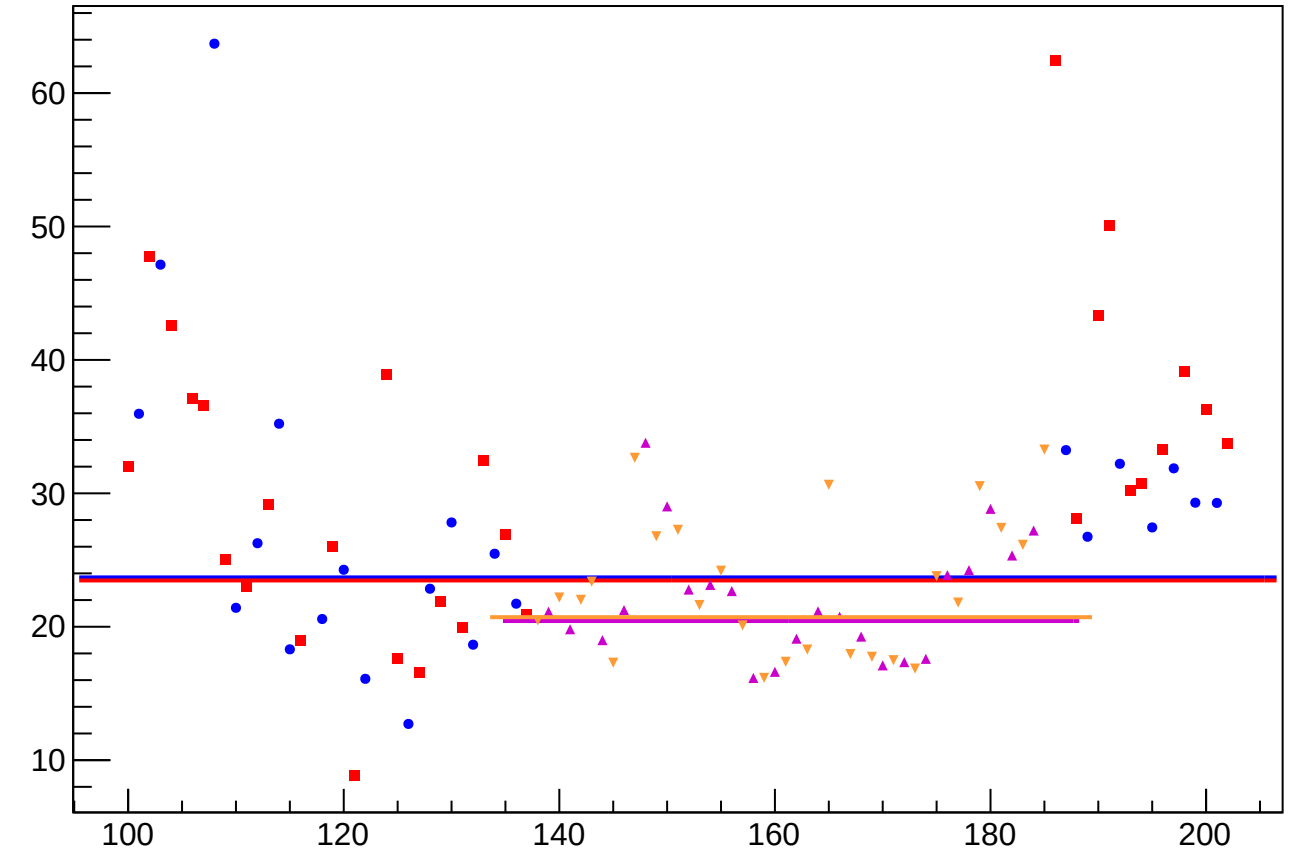
Right Out: 0.011+/-0.007 χ^2/NDF: 17.9/28

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.8/47

All: 0.009+/-0.003 χ^2/NDF: 114.3/99

- sign 0.004+/-0.004 χ^2/NDF: 37.1/51



Right In: 23.698+/-0.005 χ^2/NDF: 2056120.7/22

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

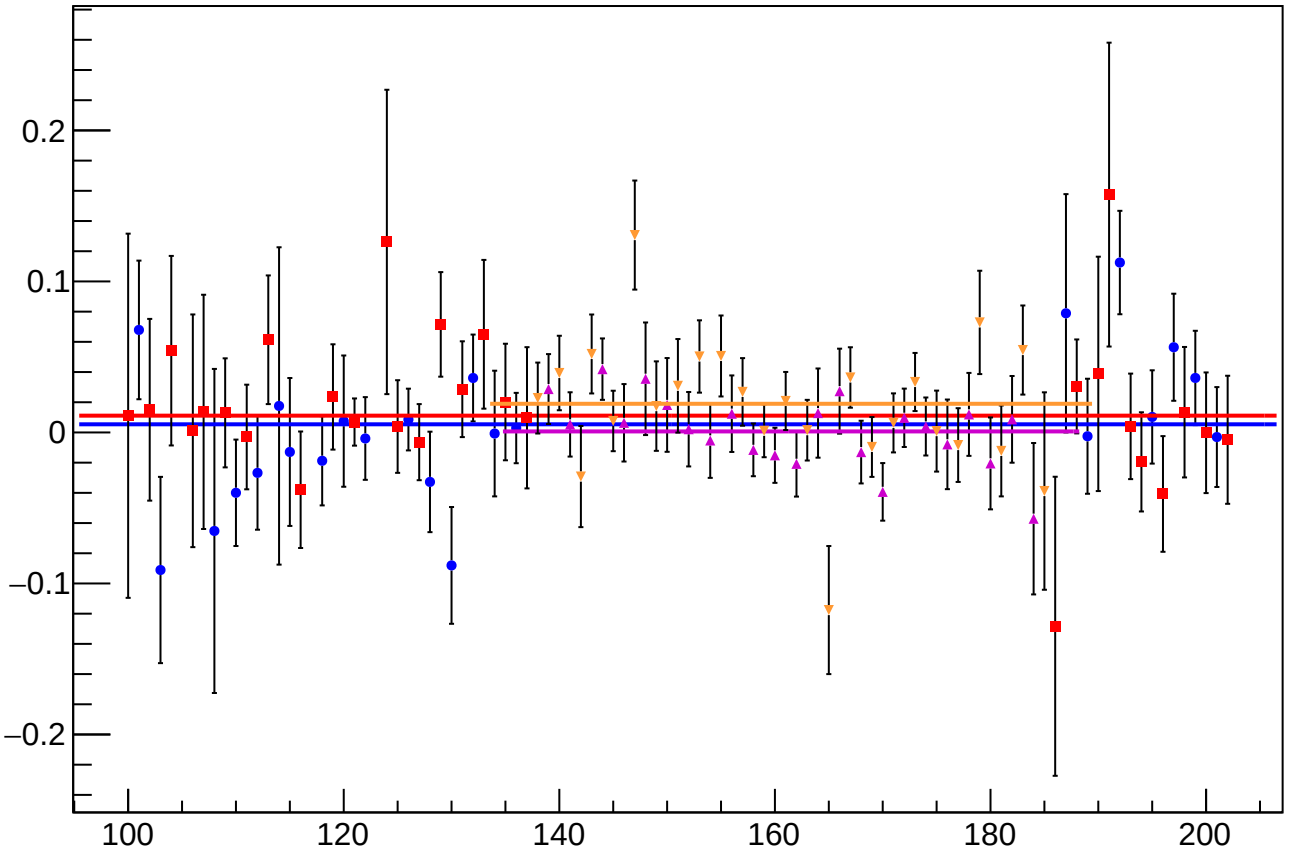
Right Out: 23.471+/-0.005 χ^2/NDF: 4373907.9/28

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.642+/-0.003 χ^2/NDF: 3794722.0/47

All: 21.539+/-0.002 χ^2/NDF: 9596793.9/99

- sign 21.437+/-0.003 χ^2/NDF: 5799496.3/51



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

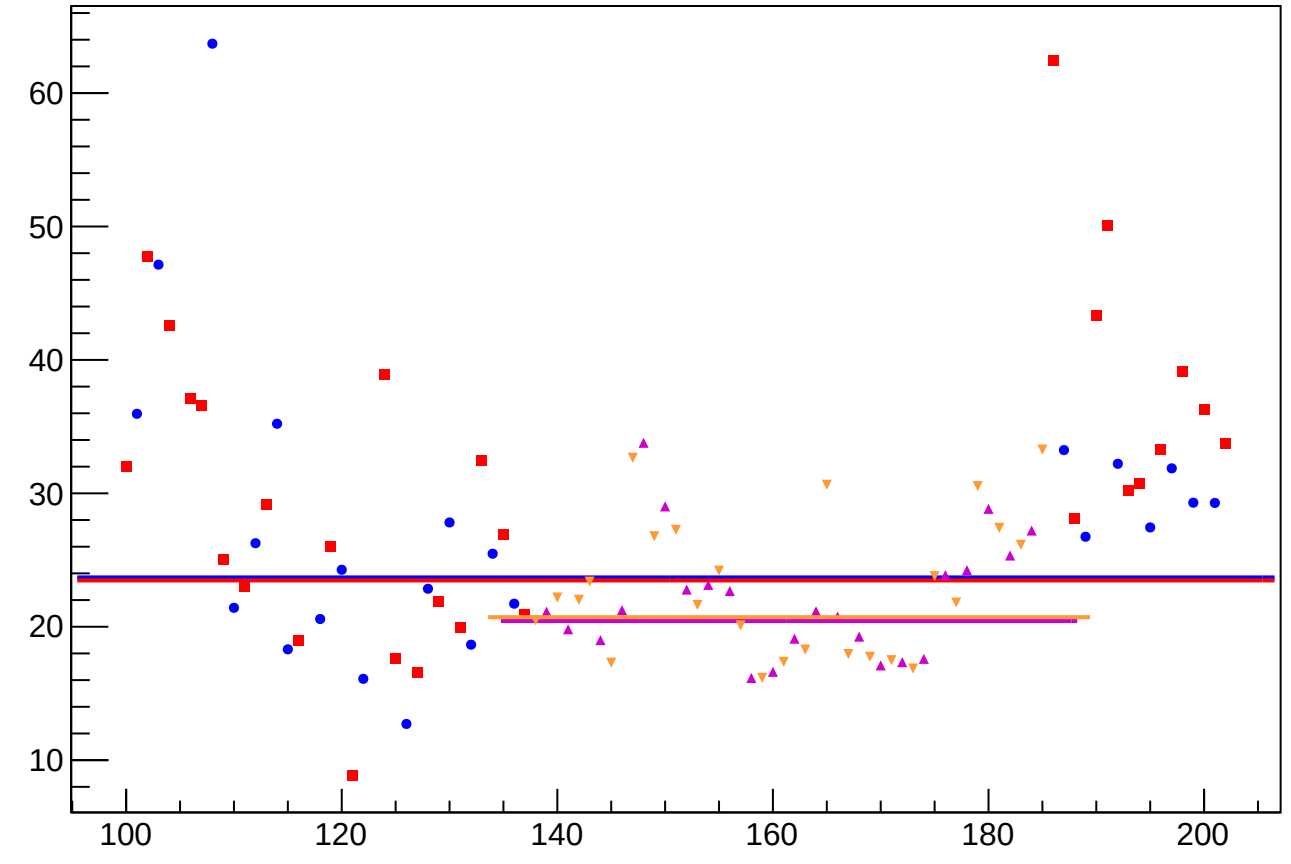
Right Out: 0.011+/-0.007 χ^2/NDF: 17.9/28

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.8/47

All: 0.009+/-0.003 χ^2/NDF: 114.3/99

- sign 0.004+/-0.004 χ^2/NDF: 37.1/51



Right In: 23.698+/-0.005 χ^2/NDF: 2056120.7/22

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

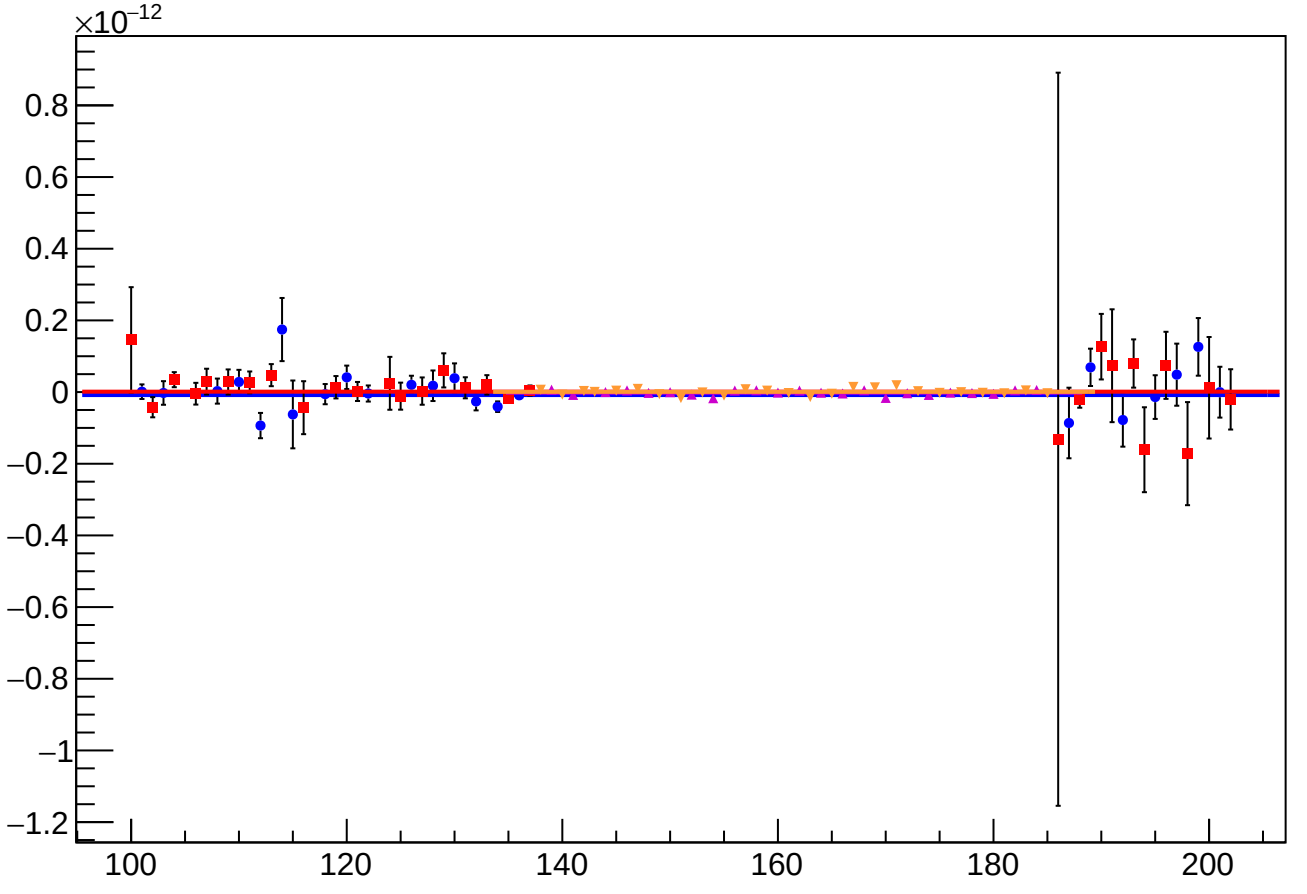
Right Out: 23.471+/-0.005 χ^2/NDF: 4373907.9/28

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.642+/-0.003 χ^2/NDF: 3794722.0/47

All: 21.539+/-0.002 χ^2/NDF: 9596793.9/99

- sign 21.437+/-0.003 χ^2/NDF: 5799496.3/51



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

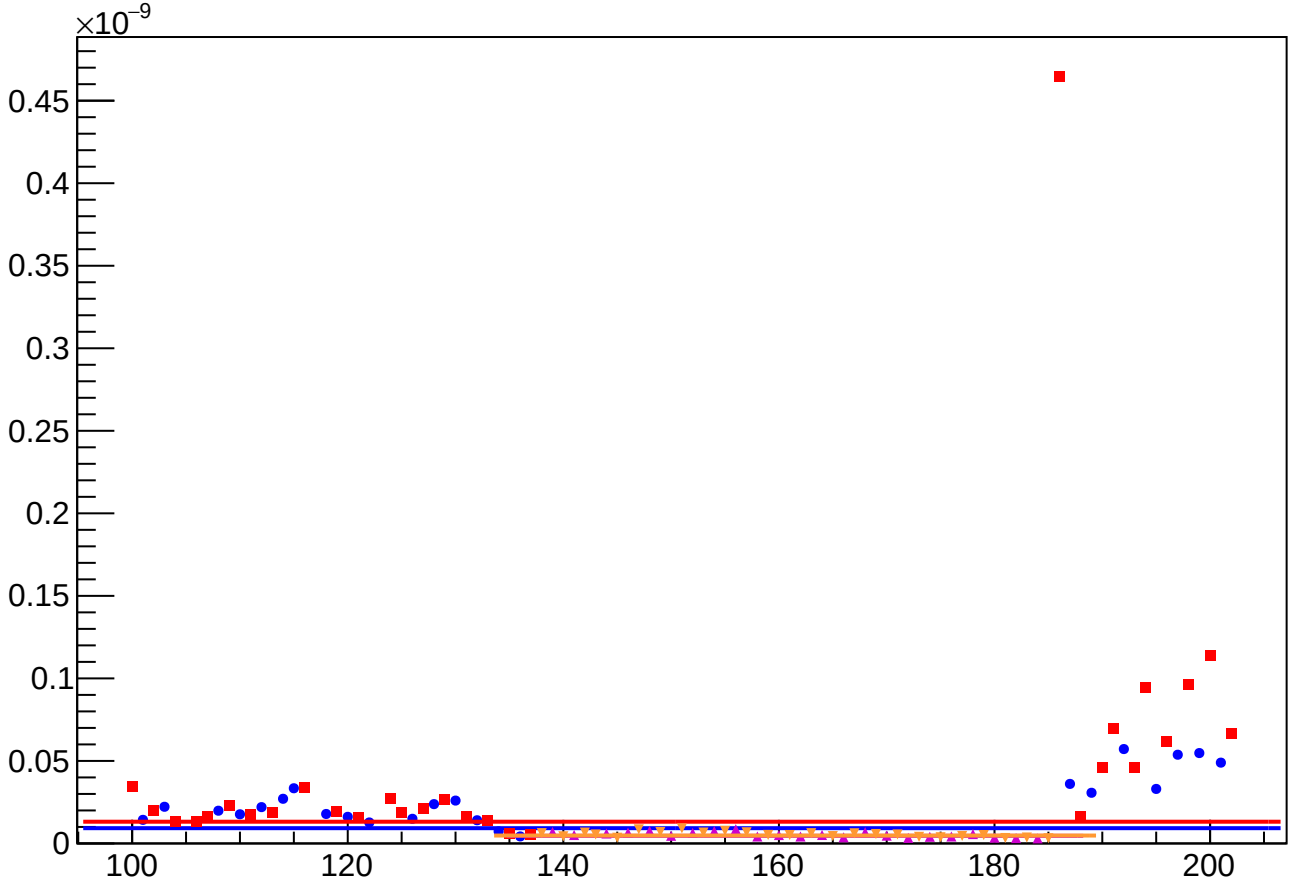
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/28

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.3/47

All: -0.000+/-0.000 χ^2/NDF: 109.1/99

- sign -0.000+/-0.000 χ^2/NDF: 46.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 7237429.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8156540.5/28

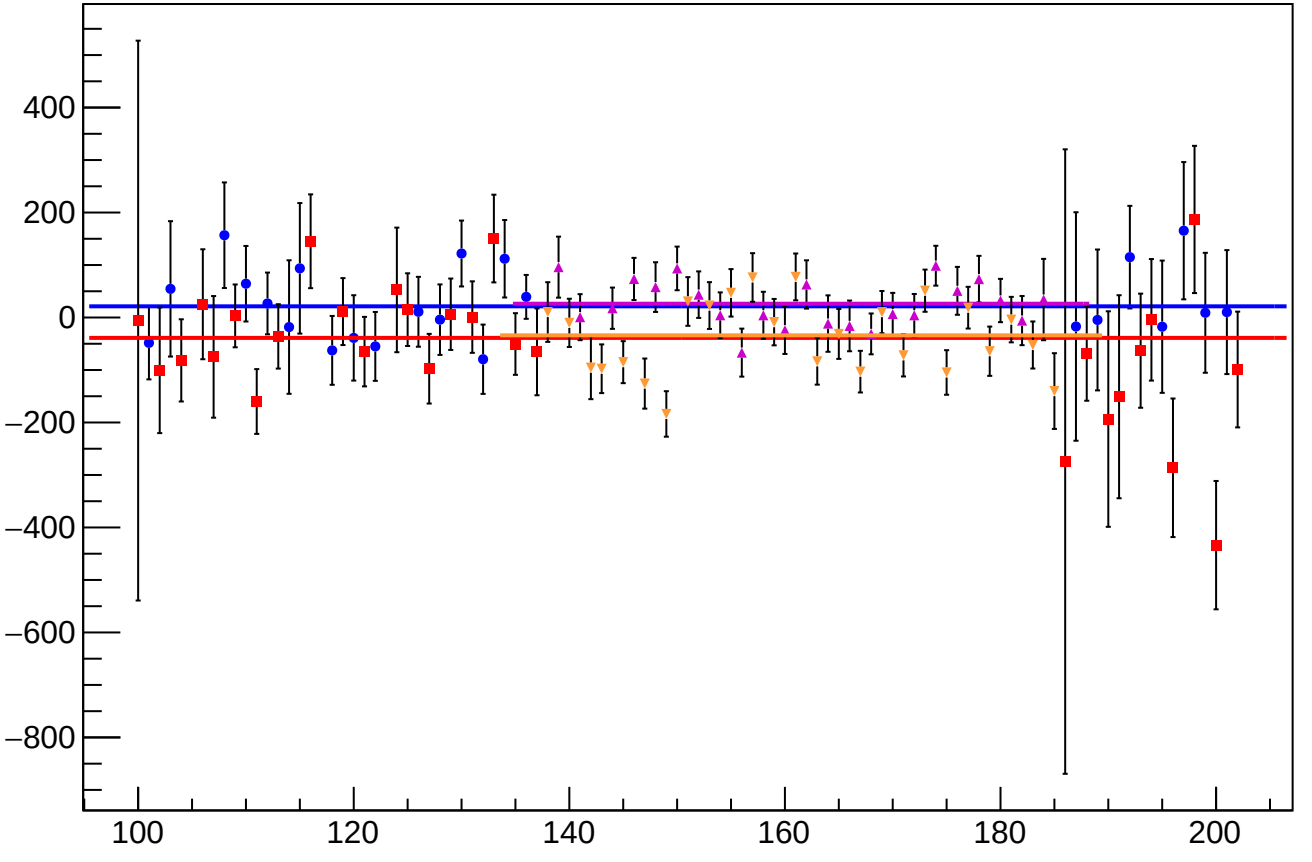
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11215280.7/47

All: 0.000+/-0.000 χ^2/NDF: 25941458.4/99

- sign 0.000+/-0.000 χ^2/NDF: 14723723.0/51

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 21.304+/-16.379 χ^2/NDF: 16.3/22

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -38.824+/-15.973 χ^2/NDF: 36.6/28

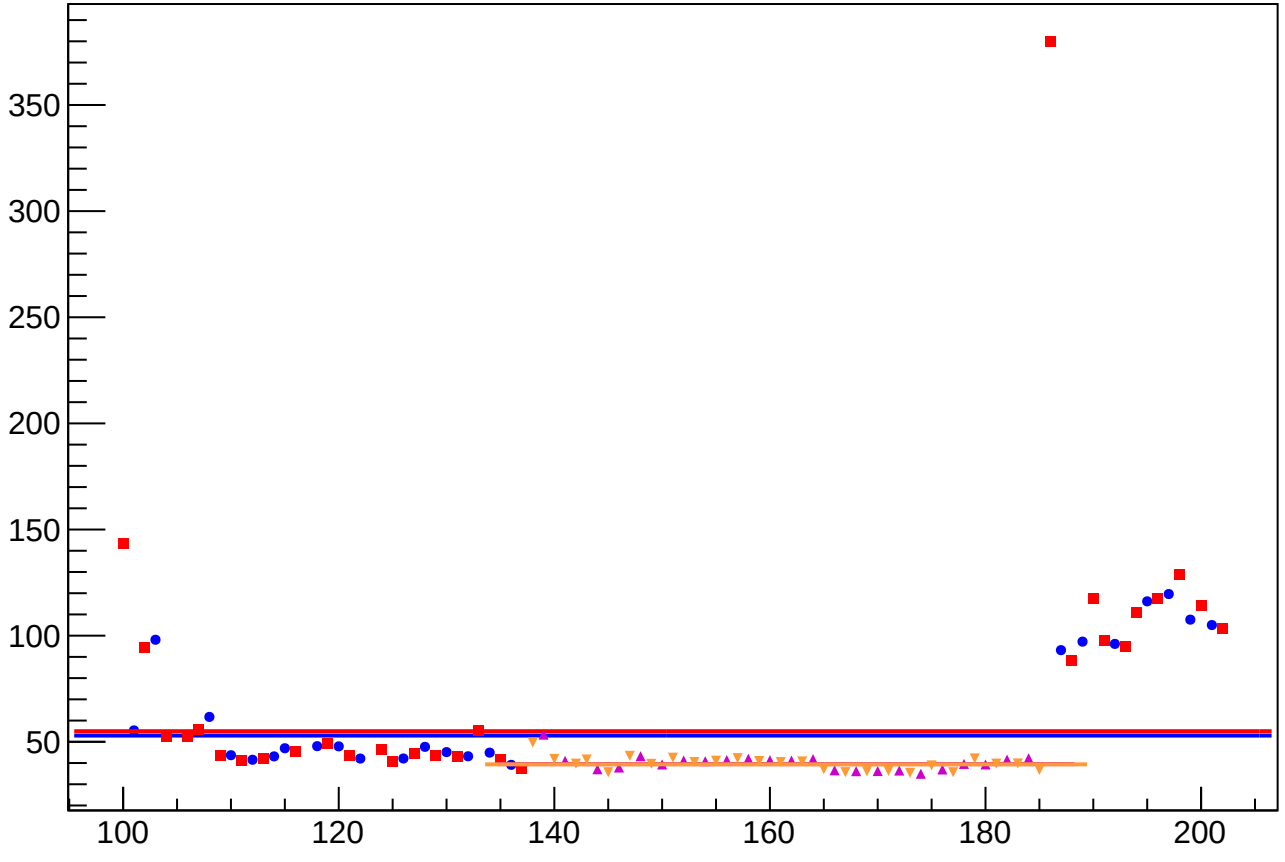
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.154+/-7.883 χ^2/NDF: 83.8/47

All: -5.910+/-5.622 χ^2/NDF: 162.9/99

- sign 9.863+/-8.019 χ^2/NDF: 71.5/51

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 52.938+/-0.012 χ^2/NDF: 3388128.5/22

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

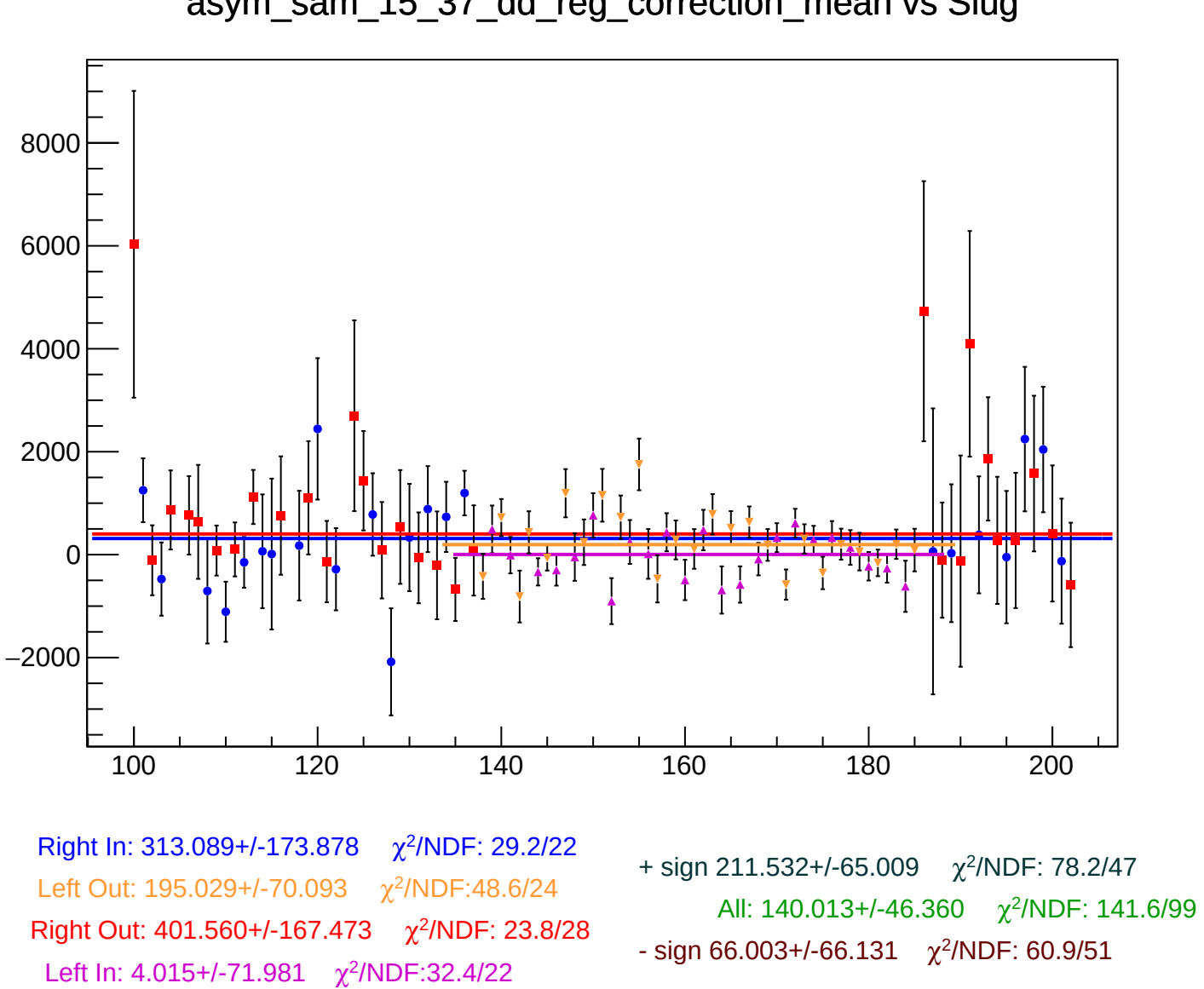
Right Out: 54.995+/-0.011 χ^2/NDF: 4837598.6/28

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

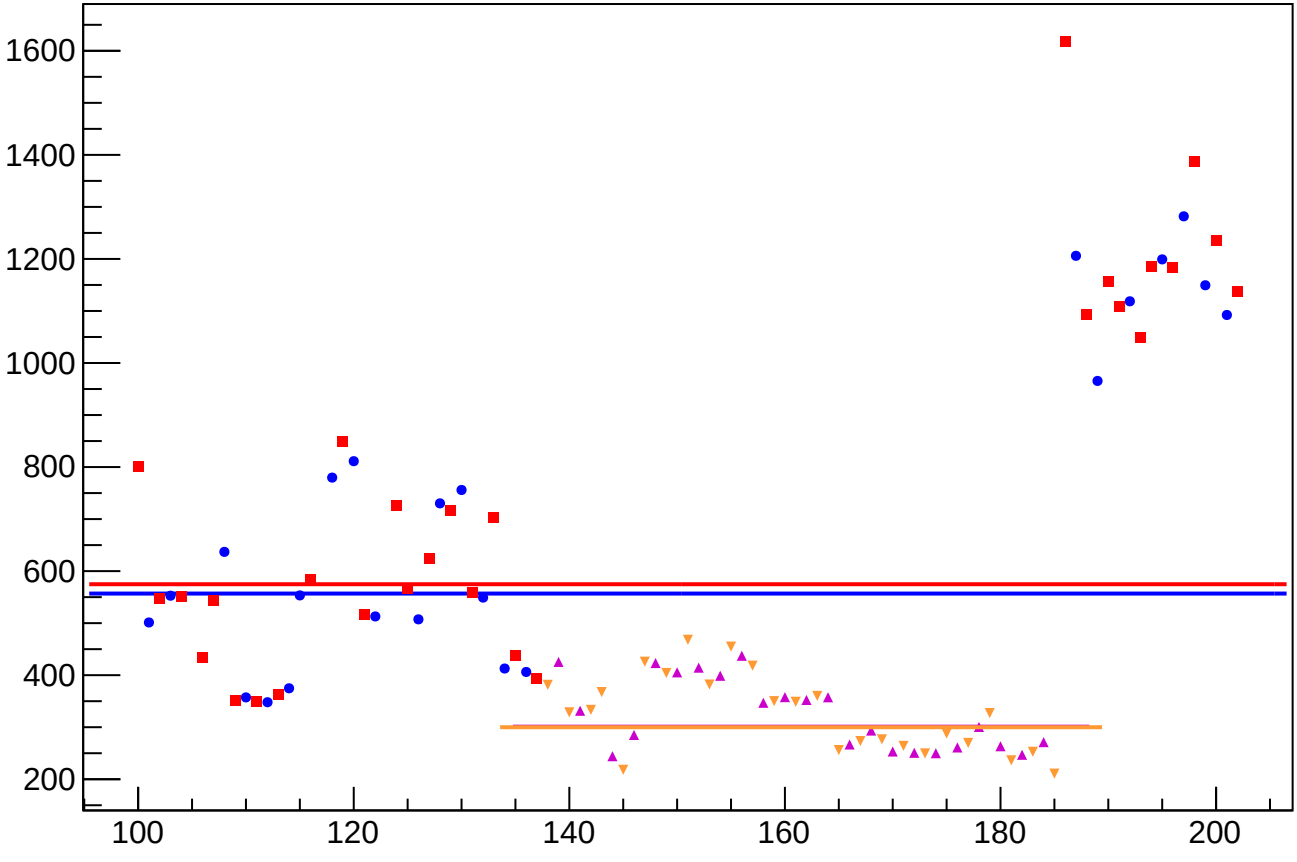
+ sign 42.523+/-0.006 χ^2/NDF: 4669561.3/47

All: 42.953+/-0.004 χ^2/NDF: 11180477.8/99

- sign 43.398+/-0.006 χ^2/NDF: 6498801.5/51


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 313.089+/-173.878 χ²/NDF: 29.2/22
Left Out: 195.029+/-70.093 χ²/NDF:48.6/24
Right Out: 401.560+/-167.473 χ²/NDF: 23.8/28
Left In: 4.015+/-71.981 χ²/NDF:32.4/22
+ sign 211.532+/-65.009 χ²/NDF: 78.2/47
All: 140.013+/-46.360 χ²/NDF: 141.6/99
- sign 66.003+/-66.131 χ²/NDF: 60.9/51

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 556.860+/-0.123 χ^2/NDF: 3981950.8/22

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 574.803+/-0.118 χ^2/NDF: 5394559.6/28

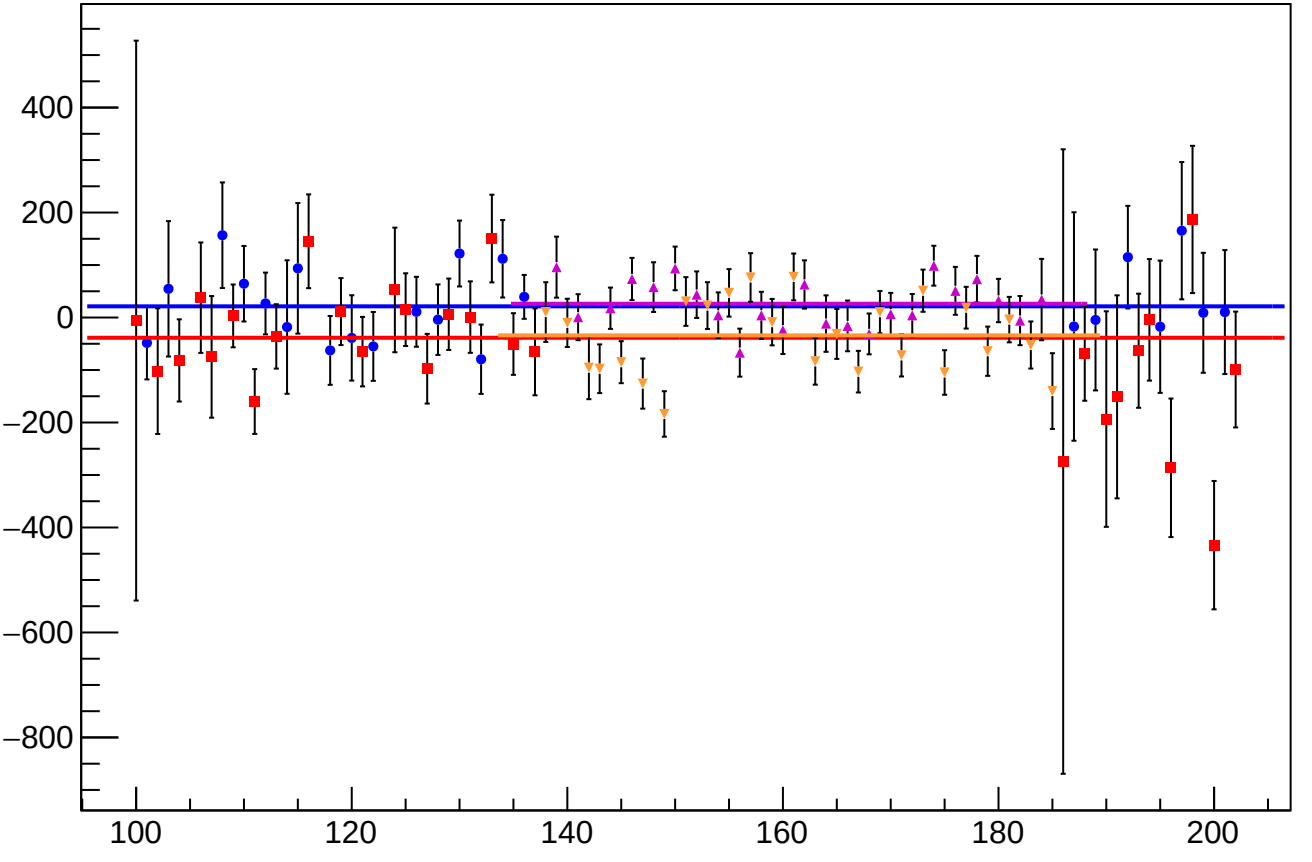
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 335.885+/-0.046 χ^2/NDF: 9545498.5/47

All: 339.722+/-0.033 χ^2/NDF: 20873708.0/99

- sign 343.693+/-0.047 χ^2/NDF: 11314030.9/51

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 21.310+/-16.379 χ^2/NDF: 16.3/22

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -38.577+/-15.975 χ^2/NDF: 36.7/28

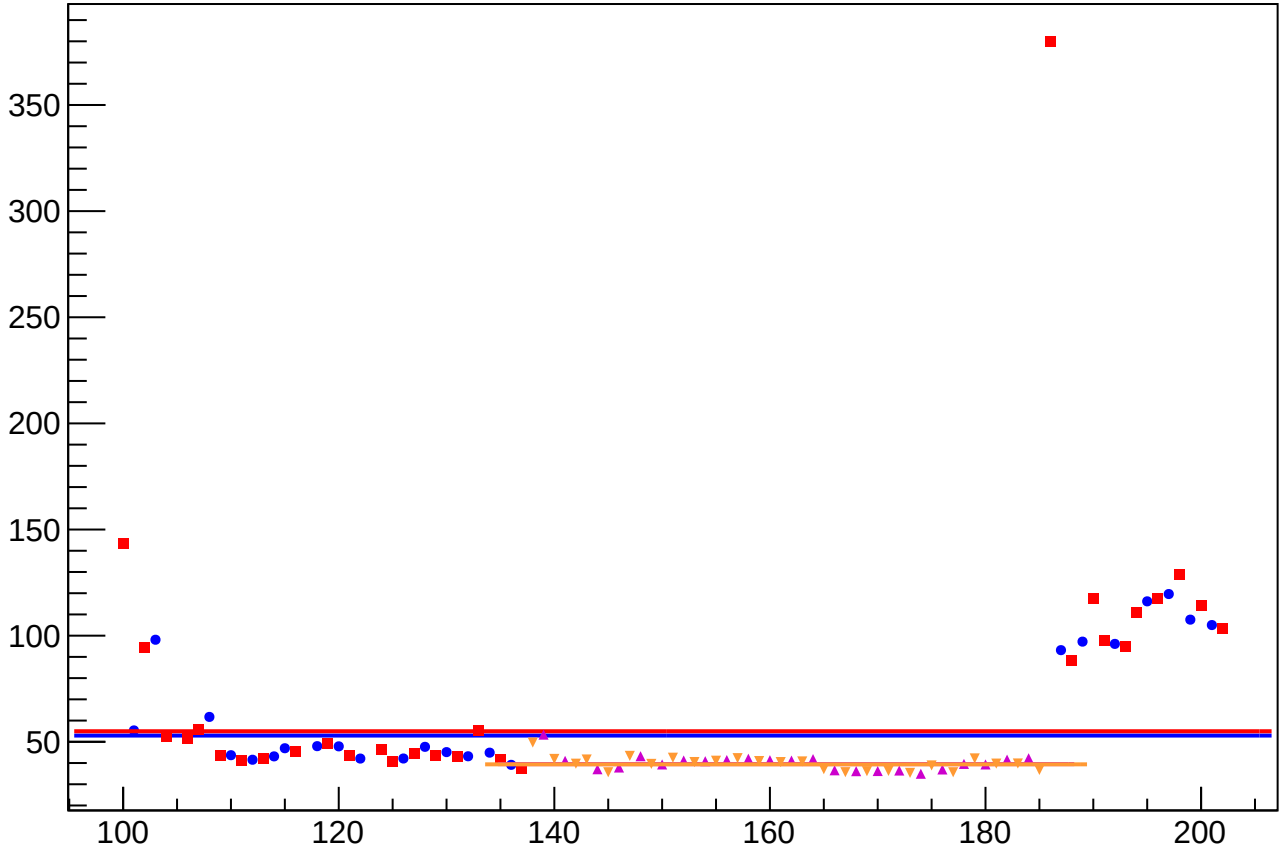
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.153+/-7.883 χ^2/NDF: 83.8/47

All: -5.877+/-5.622 χ^2/NDF: 163.0/99

- sign 9.928+/-8.019 χ^2/NDF: 71.5/51

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 52.938+/-0.012 χ^2/NDF: 3388131.6/22

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

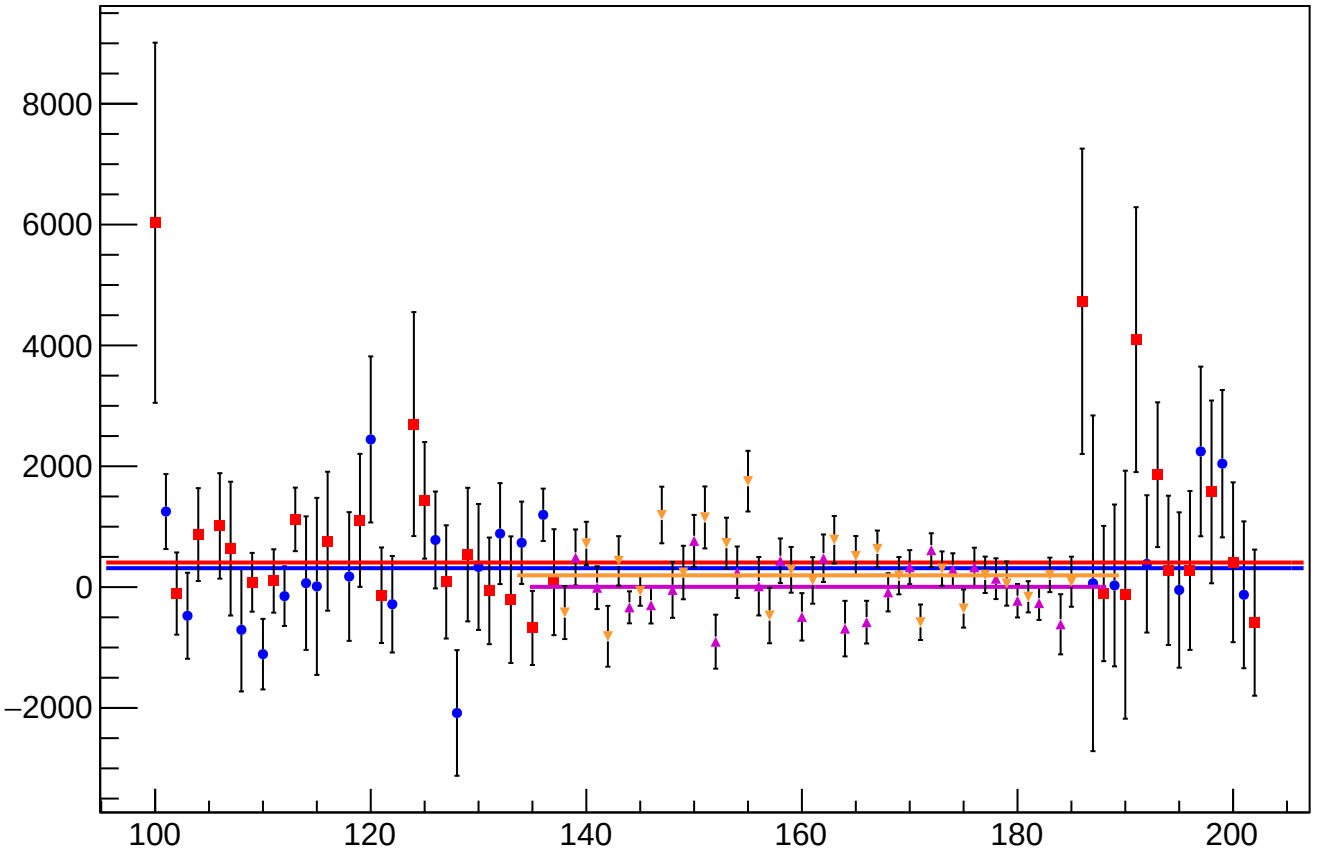
Right Out: 54.976+/-0.011 χ^2/NDF: 4838672.6/28

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.523+/-0.006 χ^2/NDF: 4669564.2/47

All: 42.950+/-0.004 χ^2/NDF: 11177863.8/99

- sign 43.393+/-0.006 χ^2/NDF: 6496329.6/51



Right In: 313.093+/-173.879 χ^2/NDF: 29.2/22

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 406.910+/-168.444 χ^2/NDF: 24.1/28

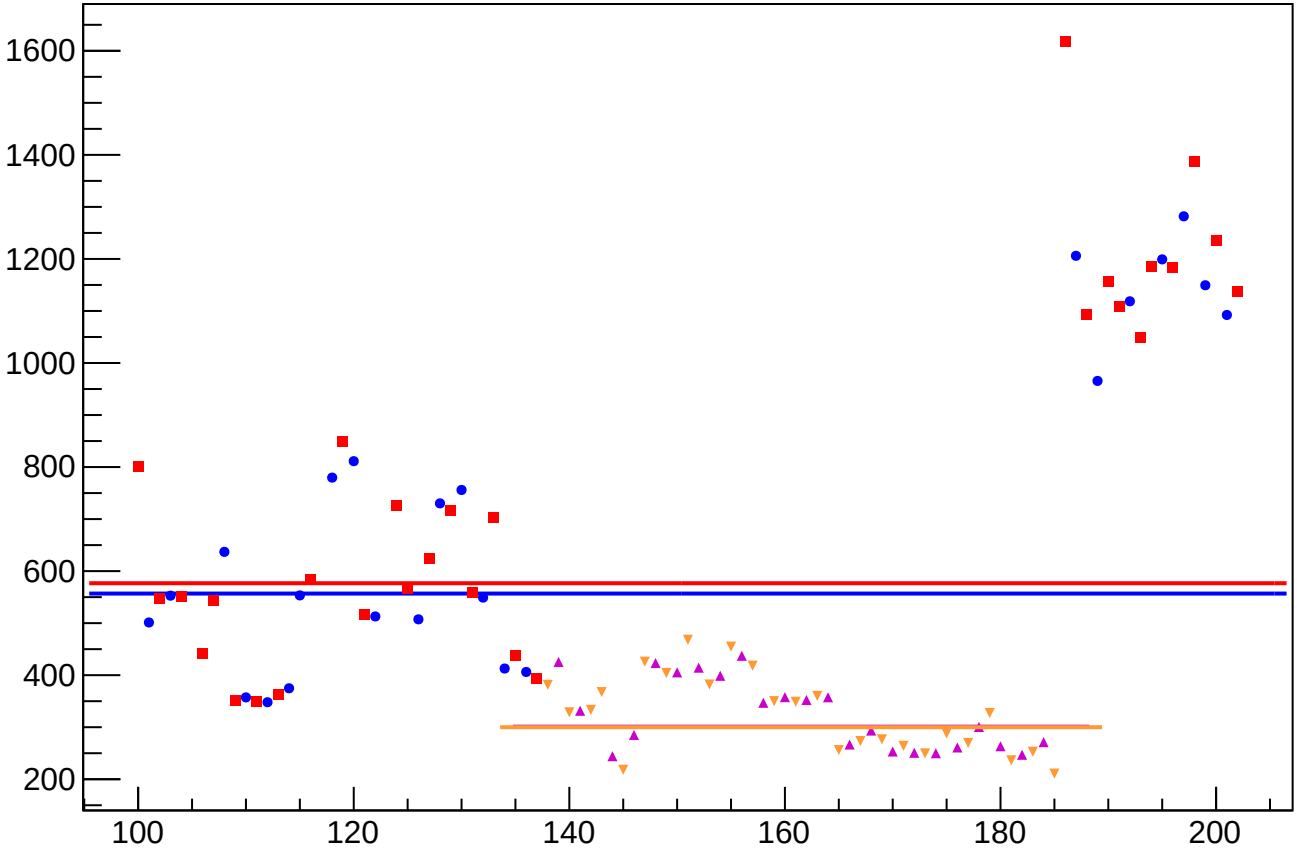
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 211.532+/-65.010 χ^2/NDF: 78.2/47

All: 140.187+/-46.381 χ^2/NDF: 142.0/99

- sign 66.227+/-66.191 χ^2/NDF: 61.3/51

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 556.863+/-0.123 χ^2/NDF: 3981956.3/22

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

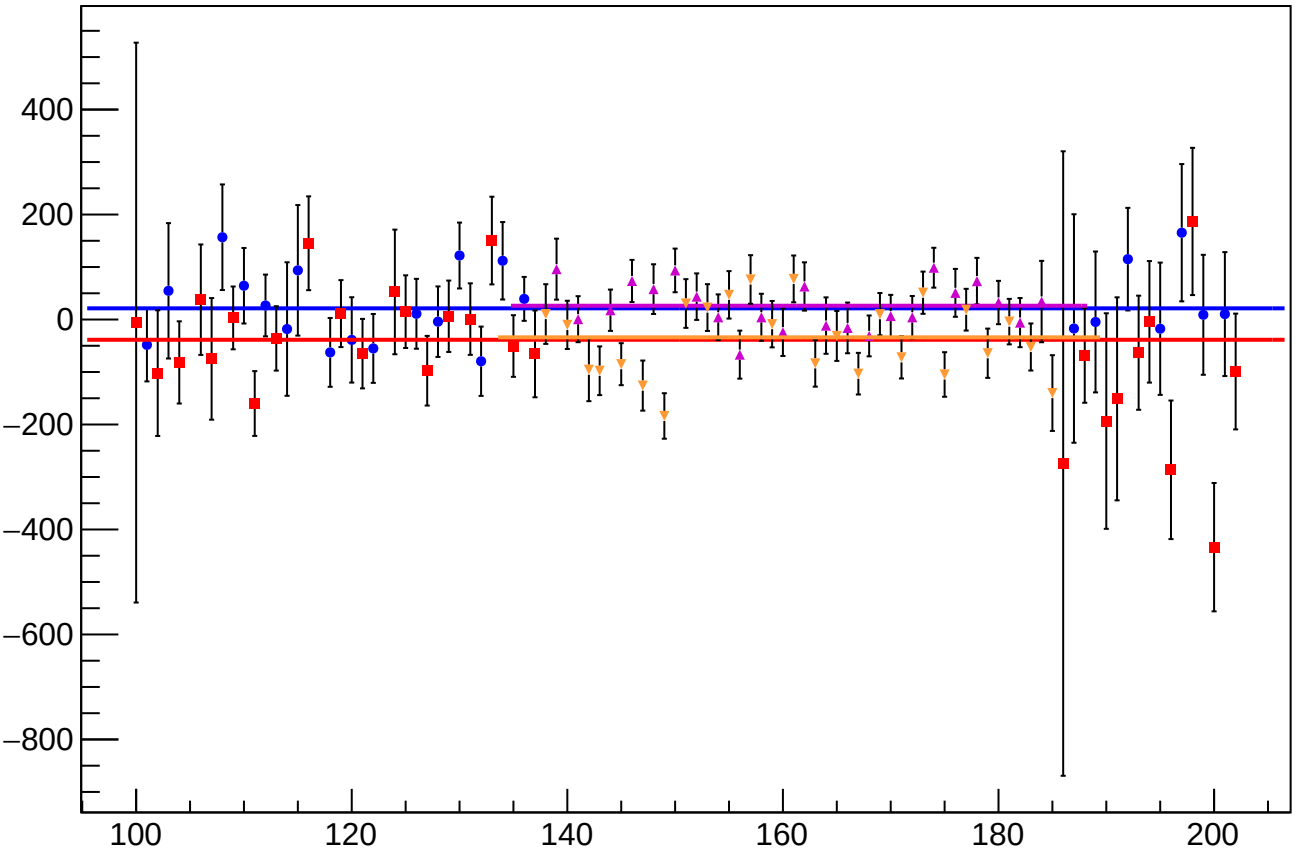
Right Out: 576.724+/-0.119 χ^2/NDF: 5372863.1/28

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

\+ sign 335.885+/-0.046 χ^2/NDF: 9545541.5/47

All: 339.661+/-0.033 χ^2/NDF: 20870709.9/99

\- sign 343.575+/-0.047 χ^2/NDF: 11311429.1/51



Right In: 21.310+/-16.379 χ^2/NDF: 16.3/22

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -38.577+/-15.975 χ^2/NDF: 36.7/28

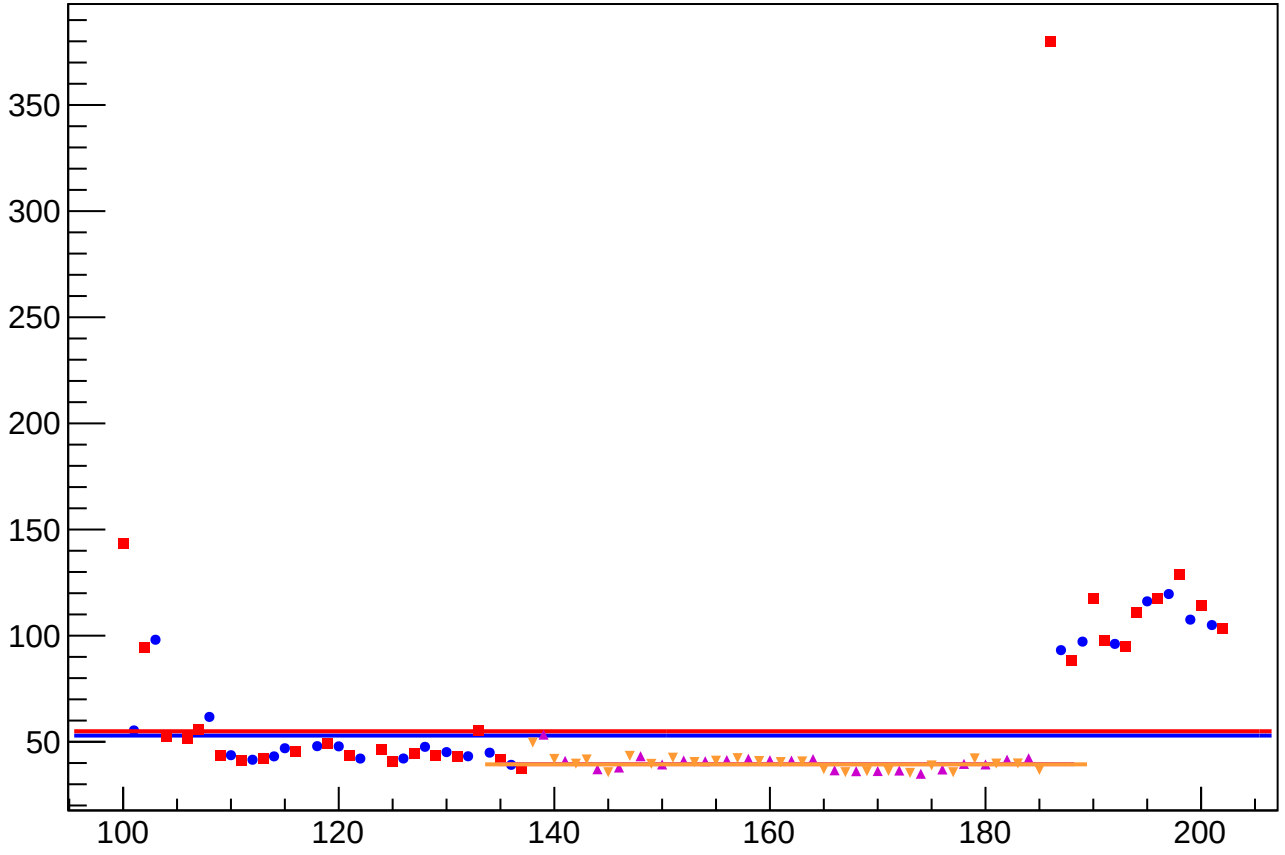
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.153+/-7.883 χ^2/NDF: 83.8/47

All: -5.877+/-5.622 χ^2/NDF: 163.0/99

- sign 9.928+/-8.019 χ^2/NDF: 71.5/51

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 52.938+/-0.012 χ^2/NDF: 3388131.6/22

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

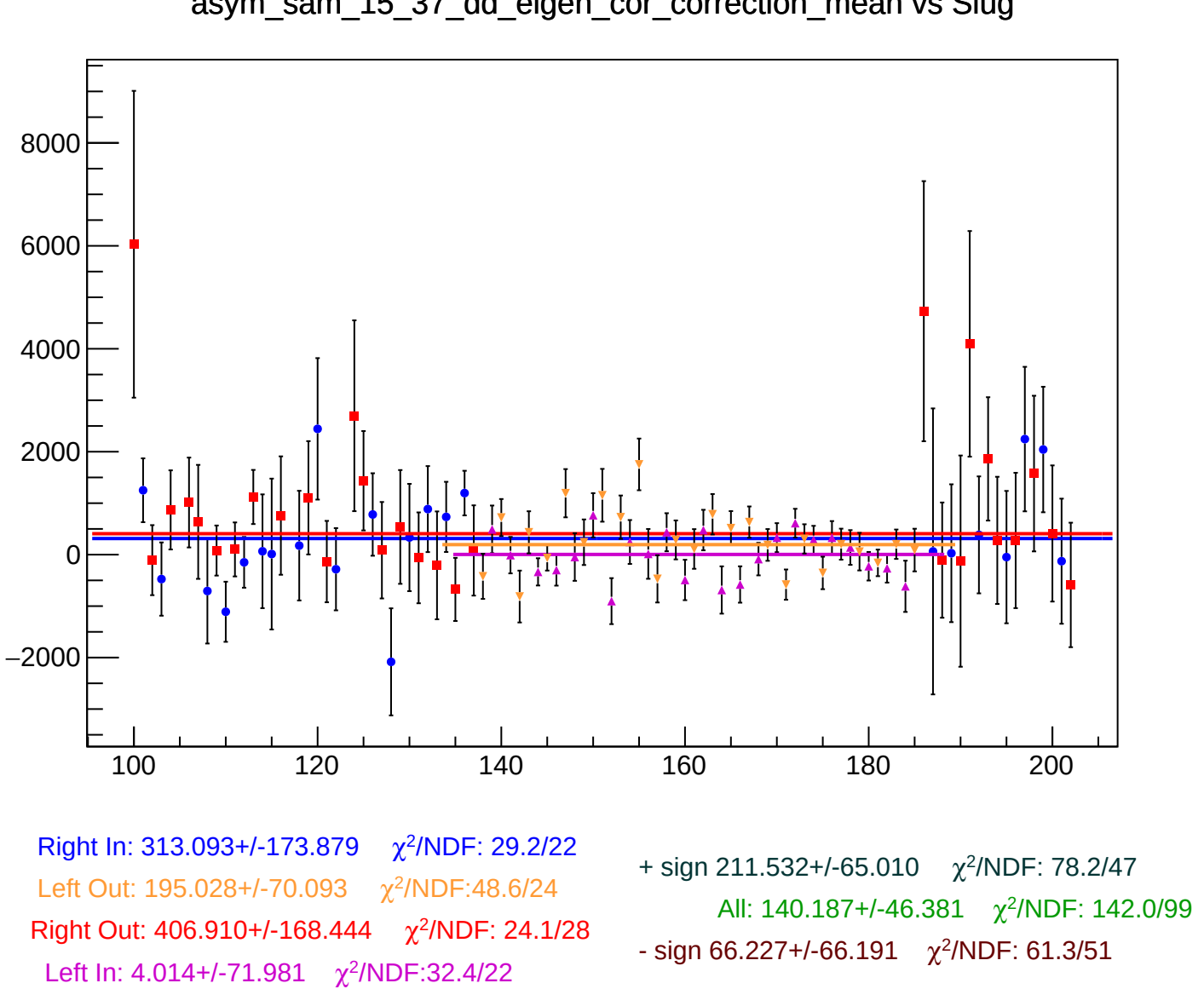
Right Out: 54.976+/-0.011 χ^2/NDF: 4838672.6/28

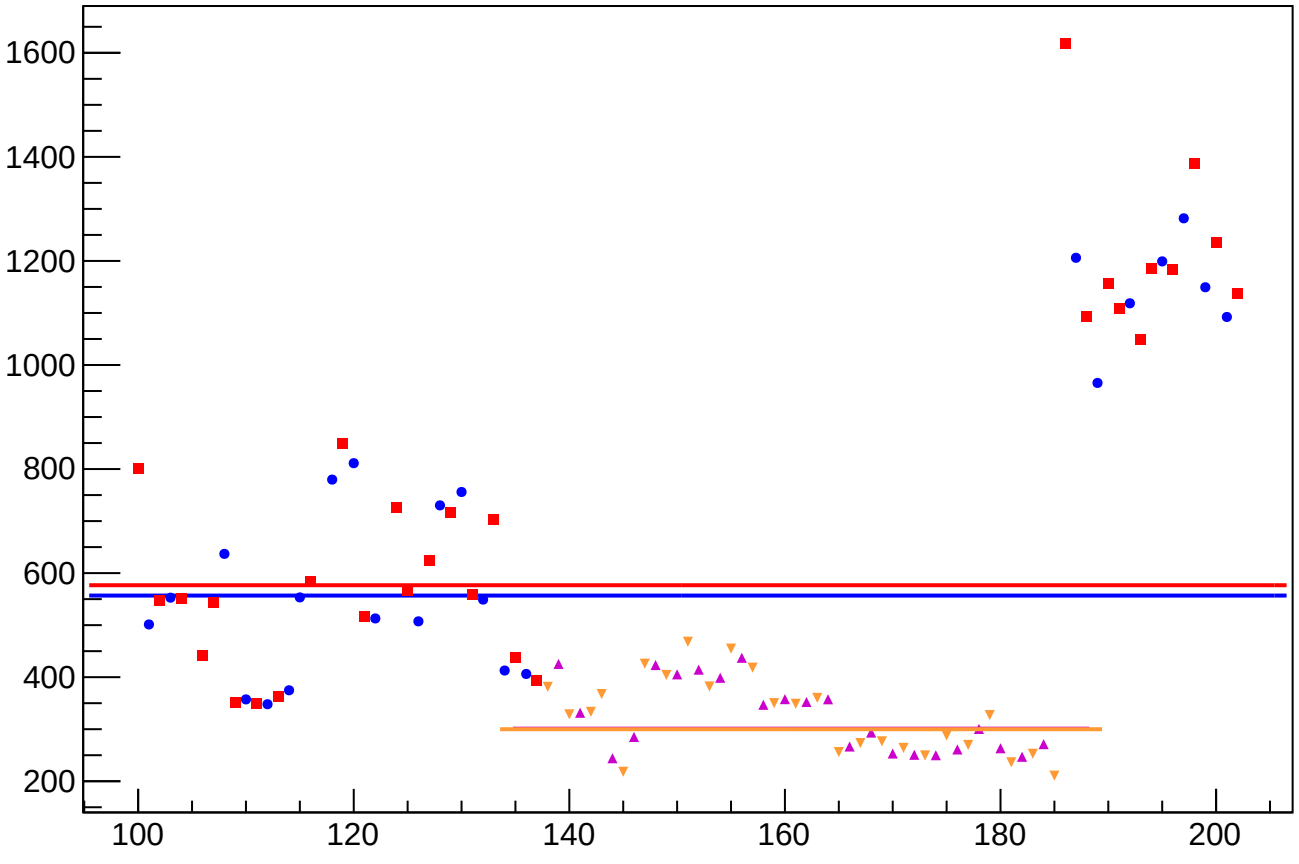
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.523+/-0.006 χ^2/NDF: 4669564.2/47

All: 42.950+/-0.004 χ^2/NDF: 11177863.8/99

- sign 43.393+/-0.006 χ^2/NDF: 6496329.6/51


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 313.093+/-173.879 χ²/NDF: 29.2/22
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 406.910+/-168.444 χ²/NDF: 24.1/28
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 211.532+/-65.010 χ²/NDF: 78.2/47
All: 140.187+/-46.381 χ²/NDF: 142.0/99
- sign 66.227+/-66.191 χ²/NDF: 61.3/51



Right In: 556.863+/-0.123 χ^2/NDF: 3981956.3/22

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 576.724+/-0.119 χ^2/NDF: 5372863.1/28

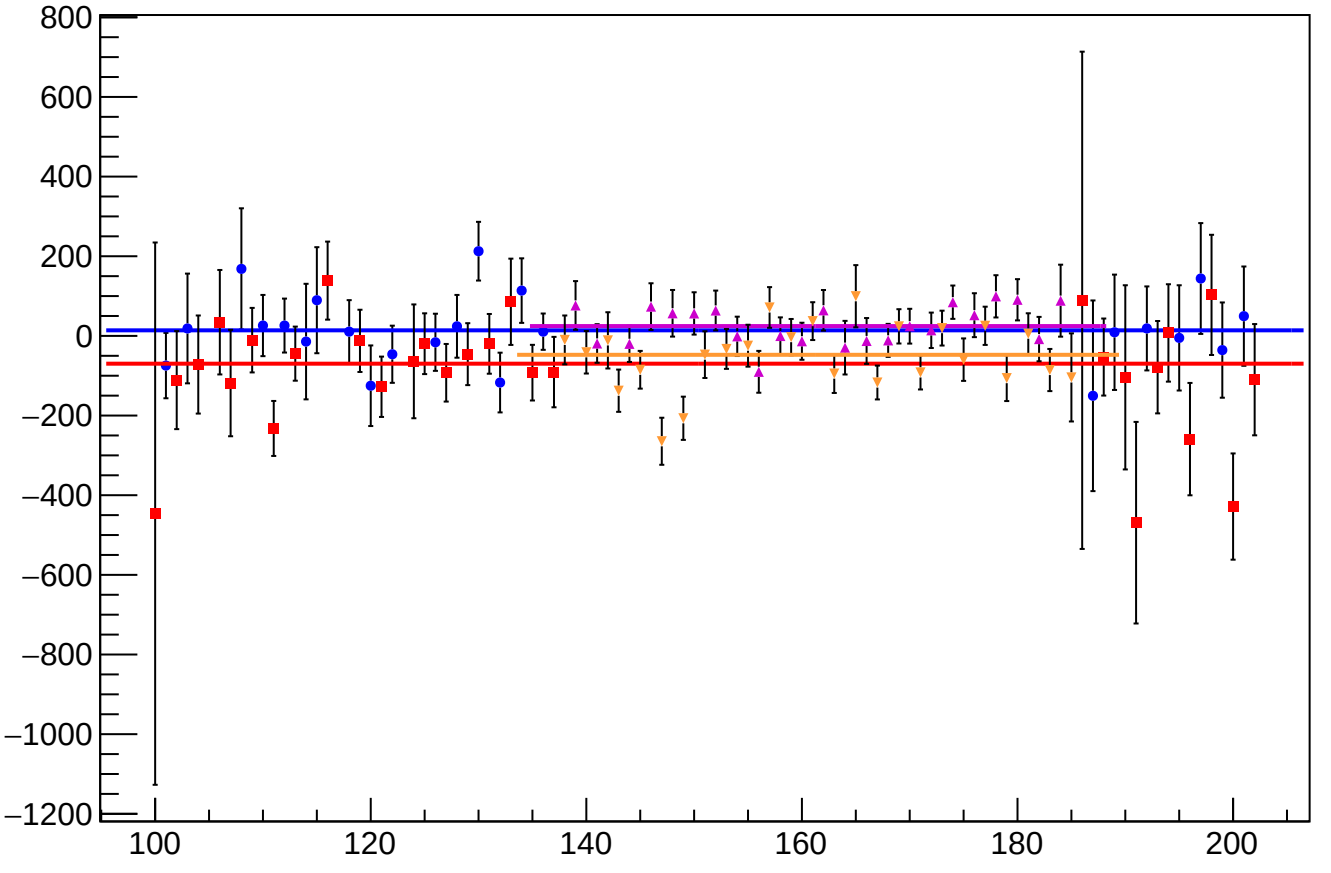
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

\+ sign 335.885+/-0.046 χ^2/NDF: 9545541.5/47

All: 339.661+/-0.033 χ^2/NDF: 20870709.9/99

\- sign 343.575+/-0.047 χ^2/NDF: 11311429.1/51

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.973+/-18.454 χ^2/NDF: 18.9/22

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -69.771+/-18.477 χ^2/NDF: 29.8/28

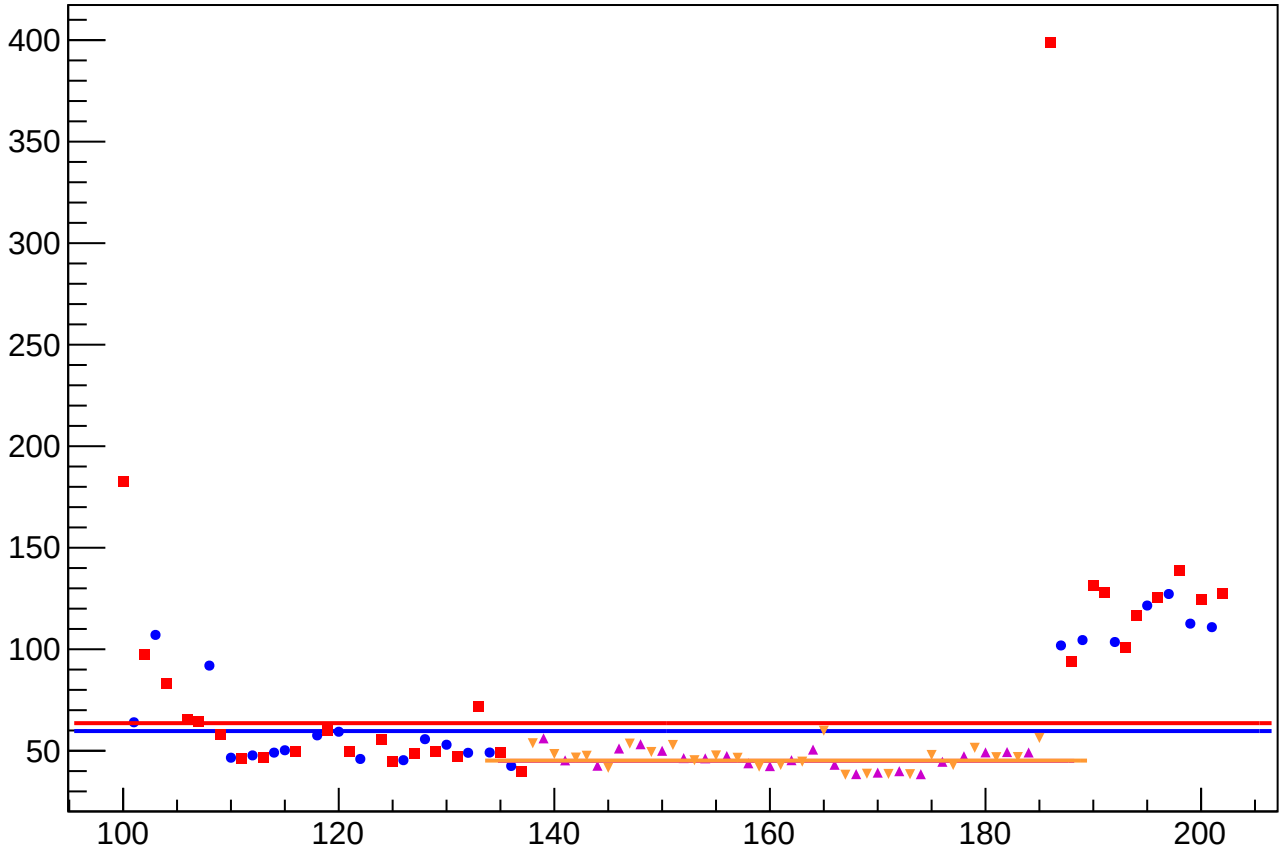
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -32.684+/-9.055 χ^2/NDF: 82.0/47

All: -16.122+/-6.465 χ^2/NDF: 157.9/99

- sign 1.098+/-9.233 χ^2/NDF: 69.1/51

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 59.715+/-0.013 χ^2/NDF: 3245795.1/22

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 63.610+/-0.013 χ^2/NDF: 4632727.6/28

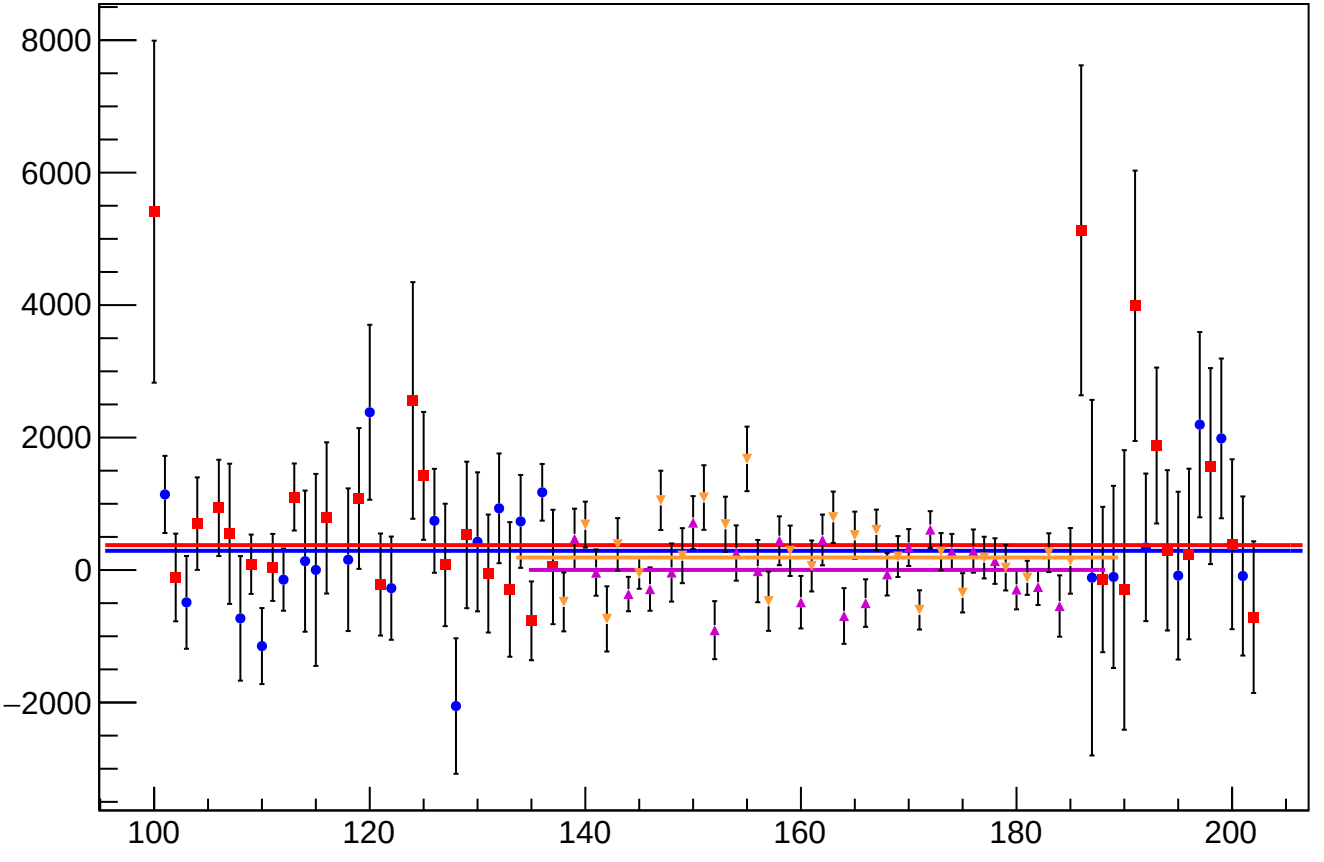
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 48.676+/-0.006 χ^2/NDF: 4678361.4/47

All: 49.159+/-0.005 χ^2/NDF: 11214807.0/99

- sign 49.661+/-0.007 χ^2/NDF: 6524852.1/51

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 290.314+/-170.114 χ^2/NDF: 29.8/22

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 375.683+/-161.249 χ^2/NDF: 26.9/28

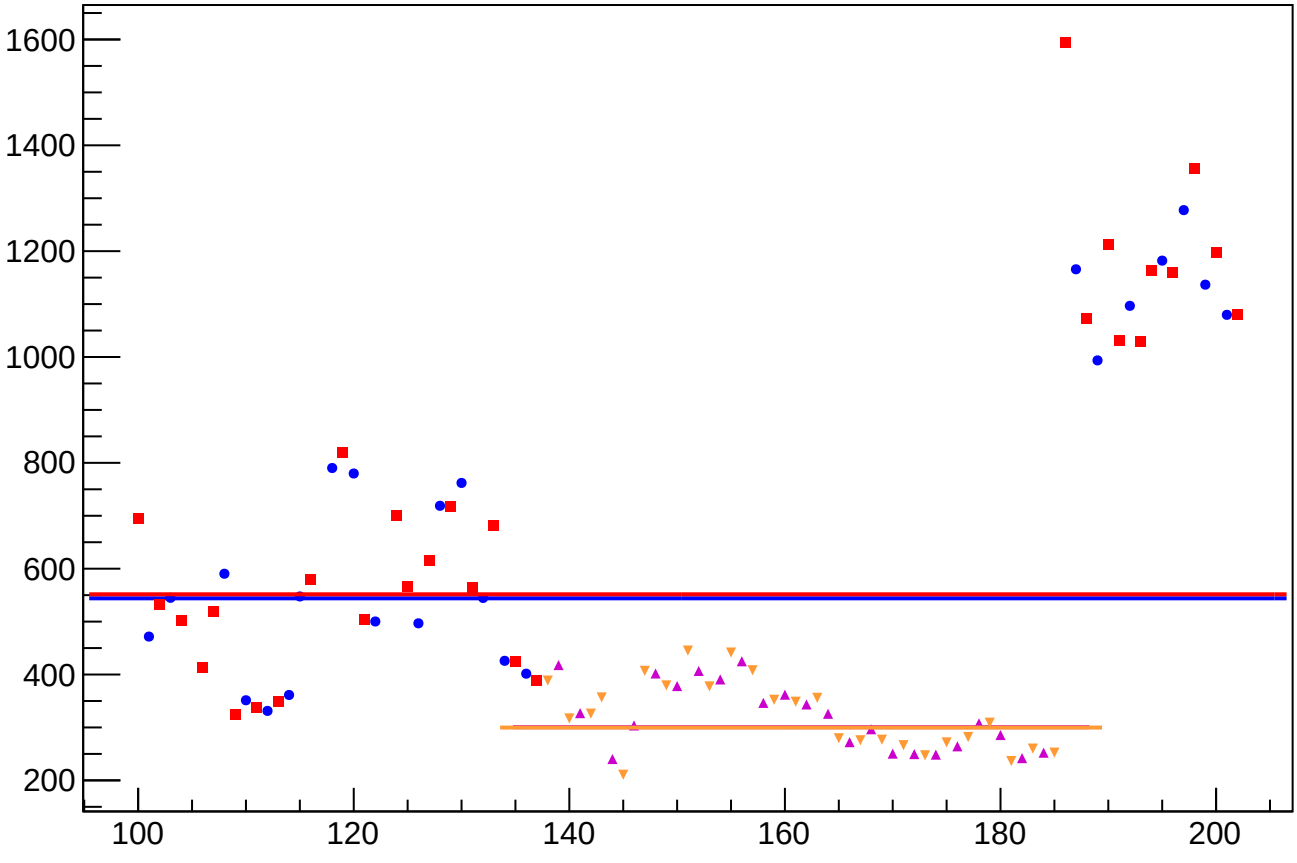
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 203.407+/-64.507 χ^2/NDF: 76.8/47

All: 134.507+/-45.969 χ^2/NDF: 142.7/99

- sign 63.417+/-65.525 χ^2/NDF: 63.6/51

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 543.992+/-0.120 χ^2/NDF: 4087220.0/22

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 551.627+/-0.114 χ^2/NDF: 5602205.2/28

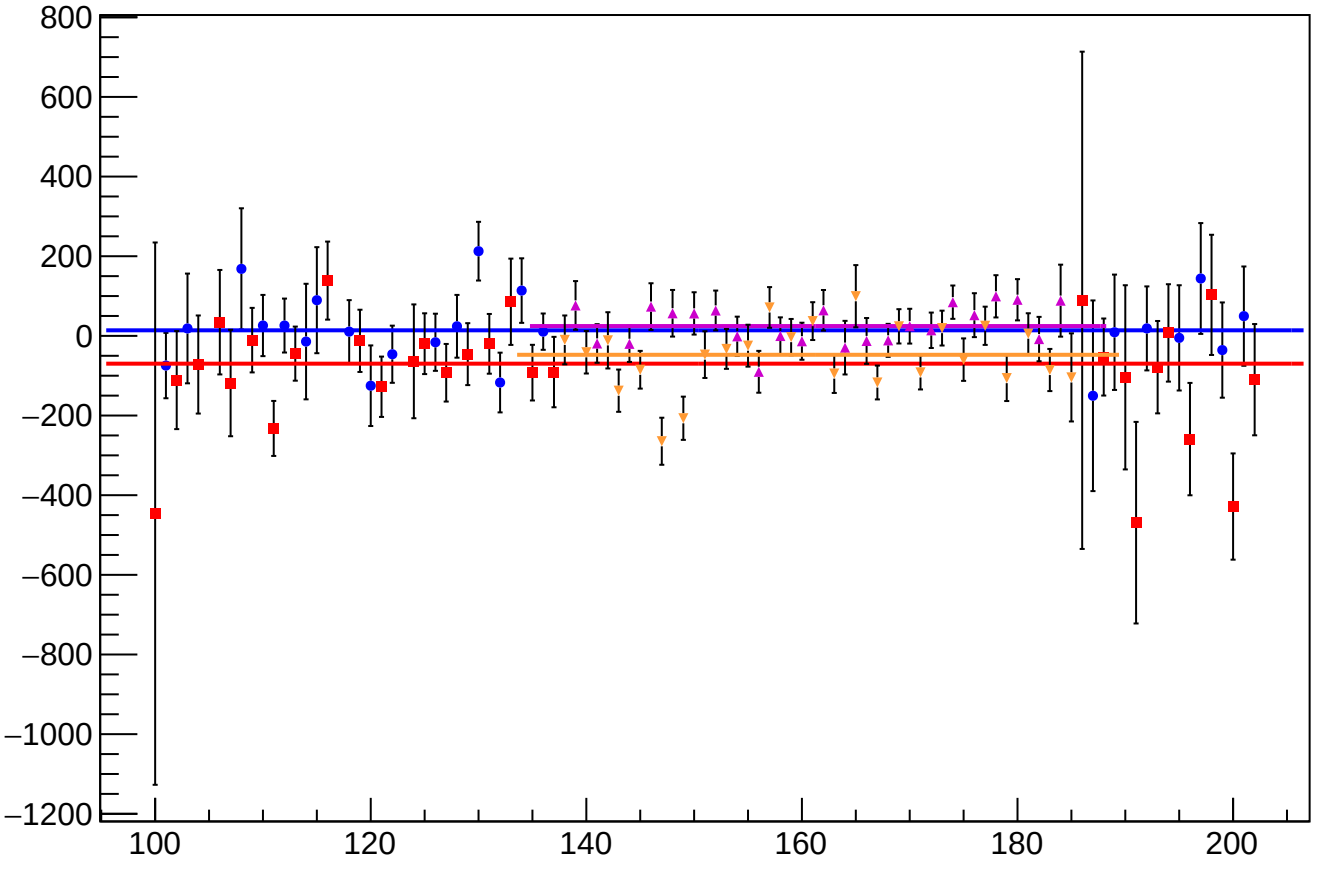
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 334.911+/-0.046 χ^2/NDF: 9193186.5/47

All: 338.402+/-0.033 χ^2/NDF: 20115046.7/99

- sign 342.004+/-0.046 χ^2/NDF: 10909958.2/51

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.973+/-18.454 χ^2/NDF: 18.9/22

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -69.772+/-18.477 χ^2/NDF: 29.8/28

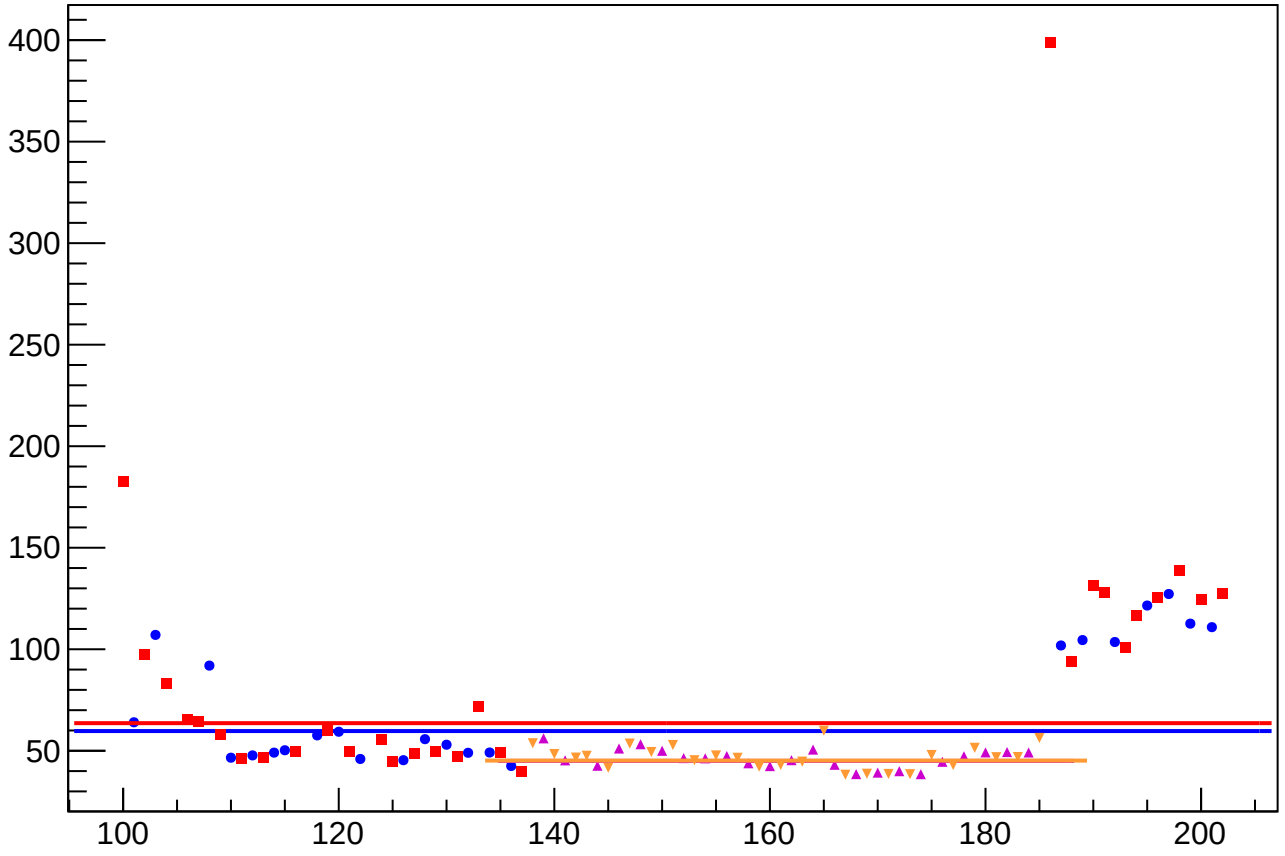
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -32.684+/-9.055 χ^2/NDF: 82.0/47

All: -16.122+/-6.465 χ^2/NDF: 157.9/99

- sign 1.098+/-9.233 χ^2/NDF: 69.1/51

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 59.715+/-0.013 χ^2/NDF: 3245801.5/22

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

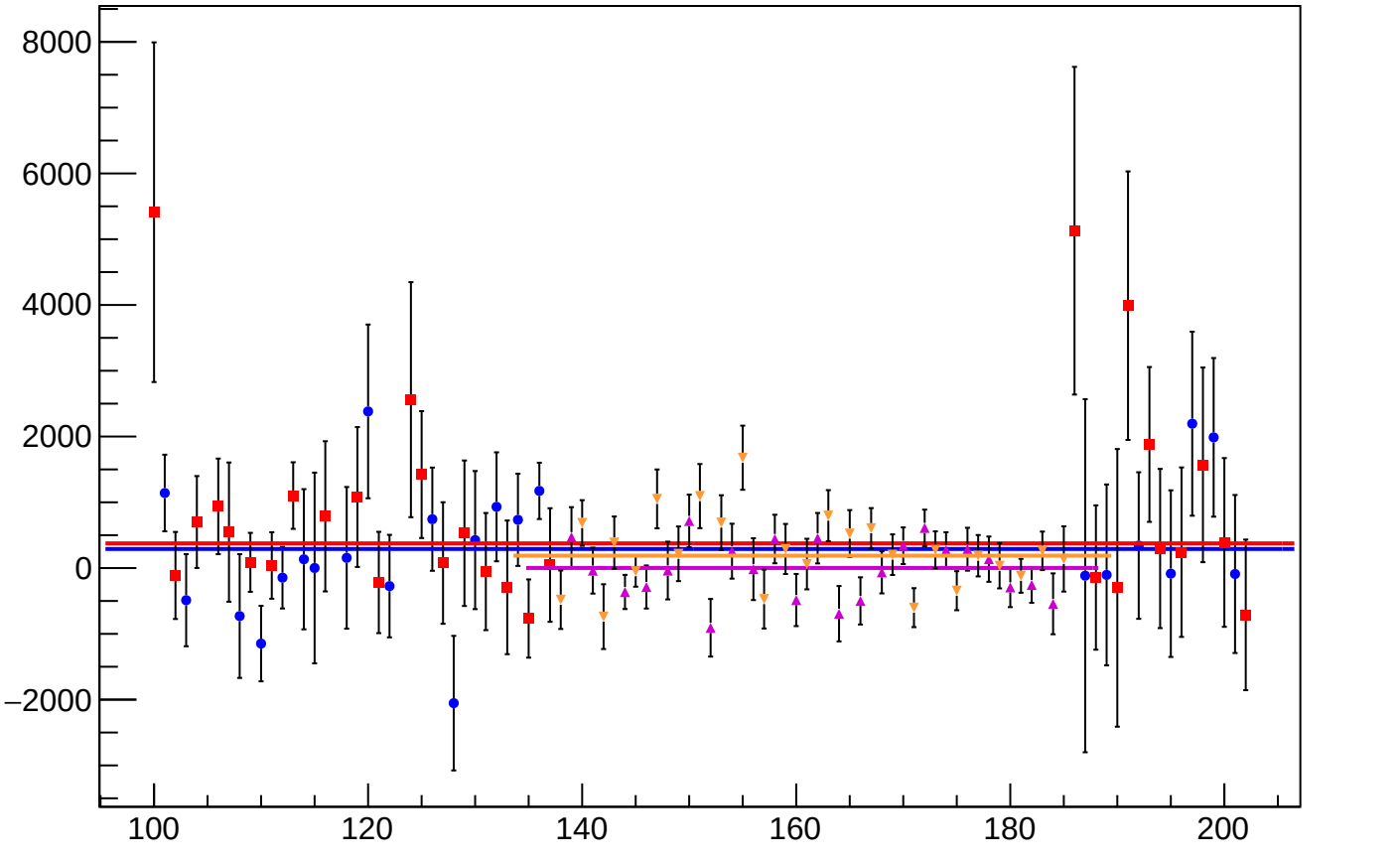
Right Out: 63.610+/-0.013 χ^2/NDF: 4632731.7/28

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 48.676+/-0.006 χ^2/NDF: 4678370.1/47

All: 49.159+/-0.005 χ^2/NDF: 11214824.3/99

- sign 49.661+/-0.007 χ^2/NDF: 6524859.7/51



Right In: 290.312+/-170.114 χ^2/NDF: 29.8/22

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 375.683+/-161.248 χ^2/NDF: 26.9/28

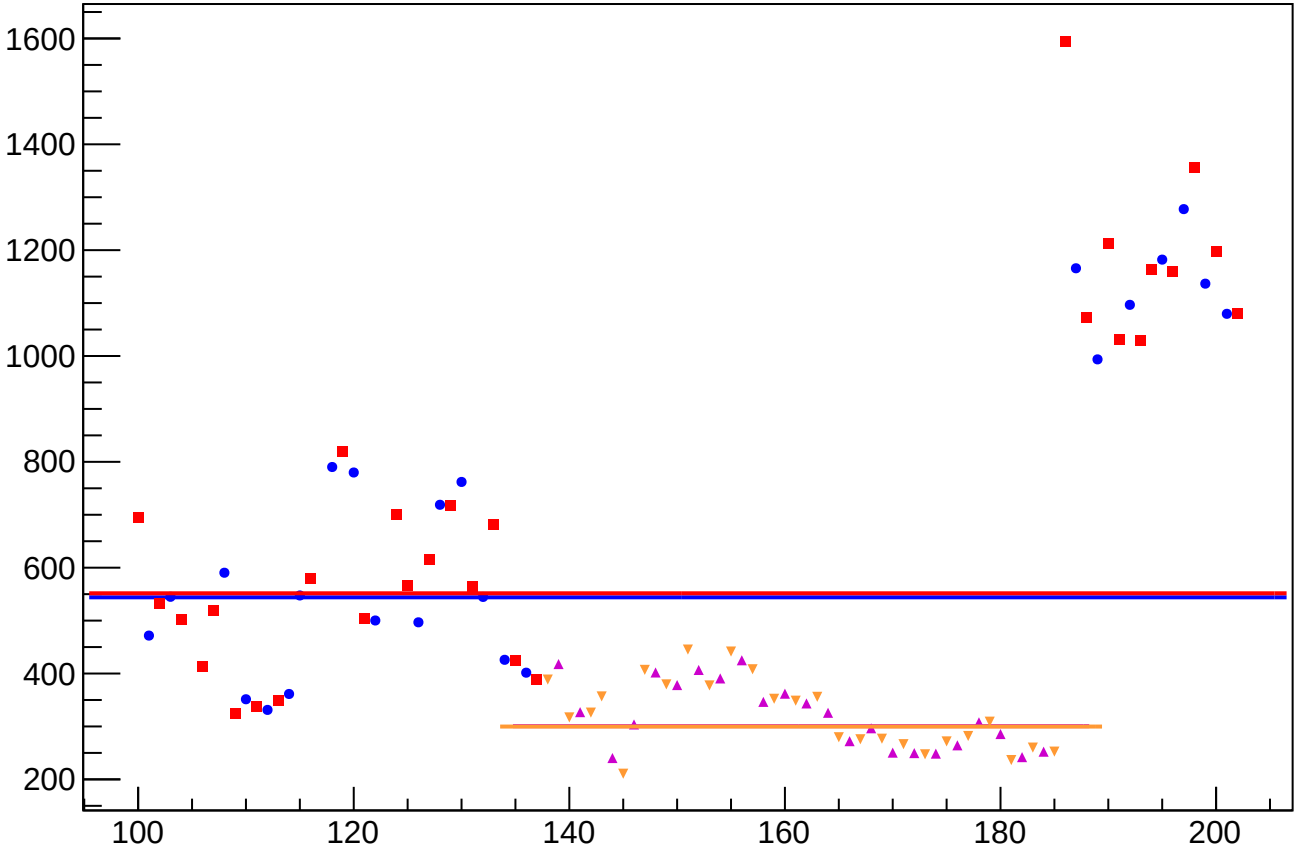
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

\+ sign 203.407+/-64.507 χ^2/NDF: 76.8/47

All: 134.507+/-45.969 χ^2/NDF: 142.7/99

\- sign 63.417+/-65.525 χ^2/NDF: 63.6/51

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 543.990+/-0.120 χ^2/NDF: 4087228.1/22

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

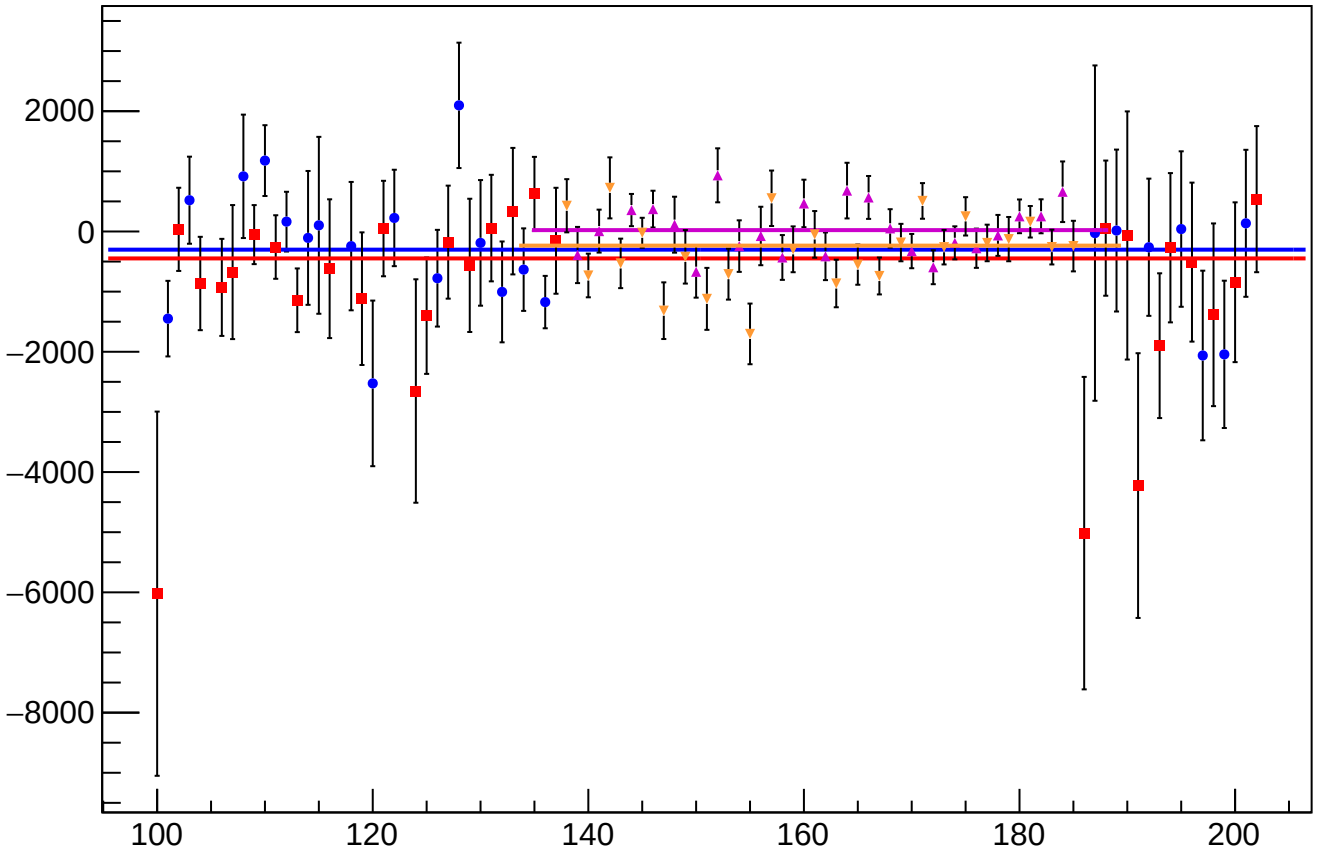
Right Out: 551.626+/-0.114 χ^2/NDF: 5602210.9/28

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 334.911+/-0.046 χ^2/NDF: 9193170.7/47

All: 338.403+/-0.033 χ^2/NDF: 20114997.8/99

- sign 342.005+/-0.046 χ^2/NDF: 10909924.4/51



Right In: -302.144+/-175.011 χ^2/NDF: 30.8/22

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -448.033+/-168.932 χ^2/NDF: 23.2/28

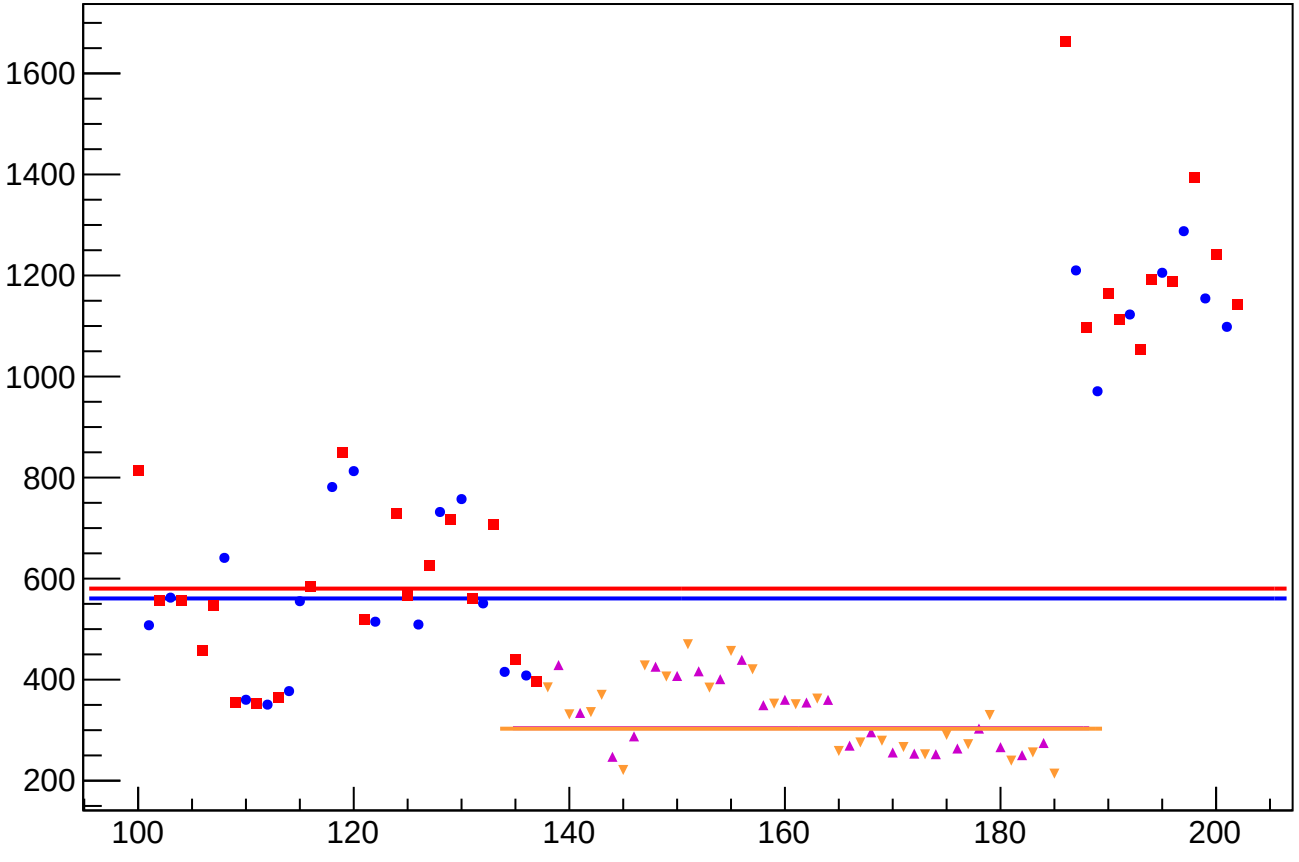
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -244.574+/-65.586 χ^2/NDF: 78.4/47

All: -149.364+/-46.777 χ^2/NDF: 142.3/99

- sign -50.790+/-66.734 χ^2/NDF: 59.6/51

asym_sam_15_37_dd_rms vs Slug



Right In: 560.718+/-0.124 χ^2/NDF: 3964646.7/22

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

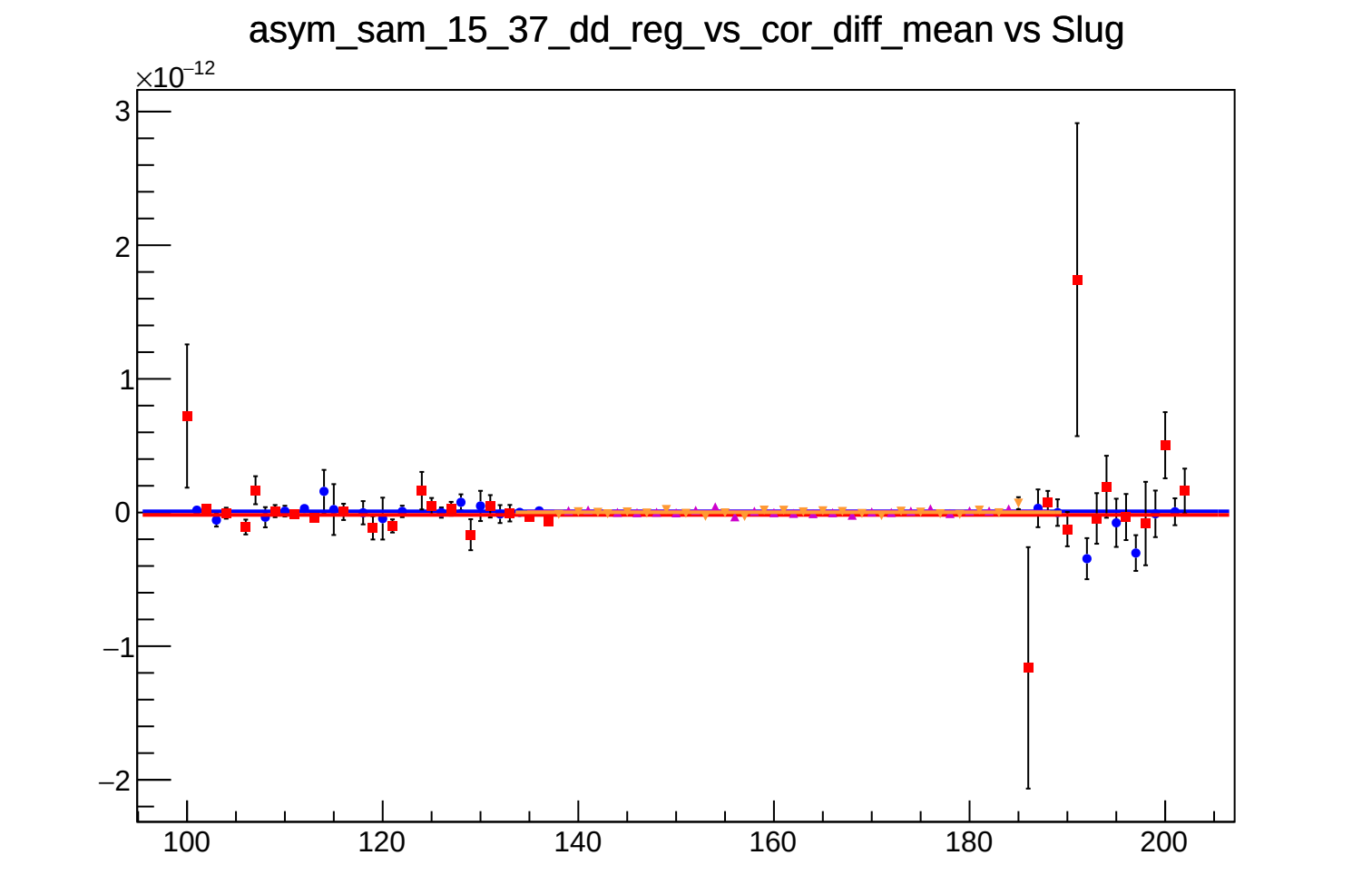
Right Out: 580.242+/-0.119 χ^2/NDF: 5355647.6/28

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 339.145+/-0.046 χ^2/NDF: 9460251.3/47

All: 343.026+/-0.033 χ^2/NDF: 20722305.2/99

- sign 347.043+/-0.047 χ^2/NDF: 11247805.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

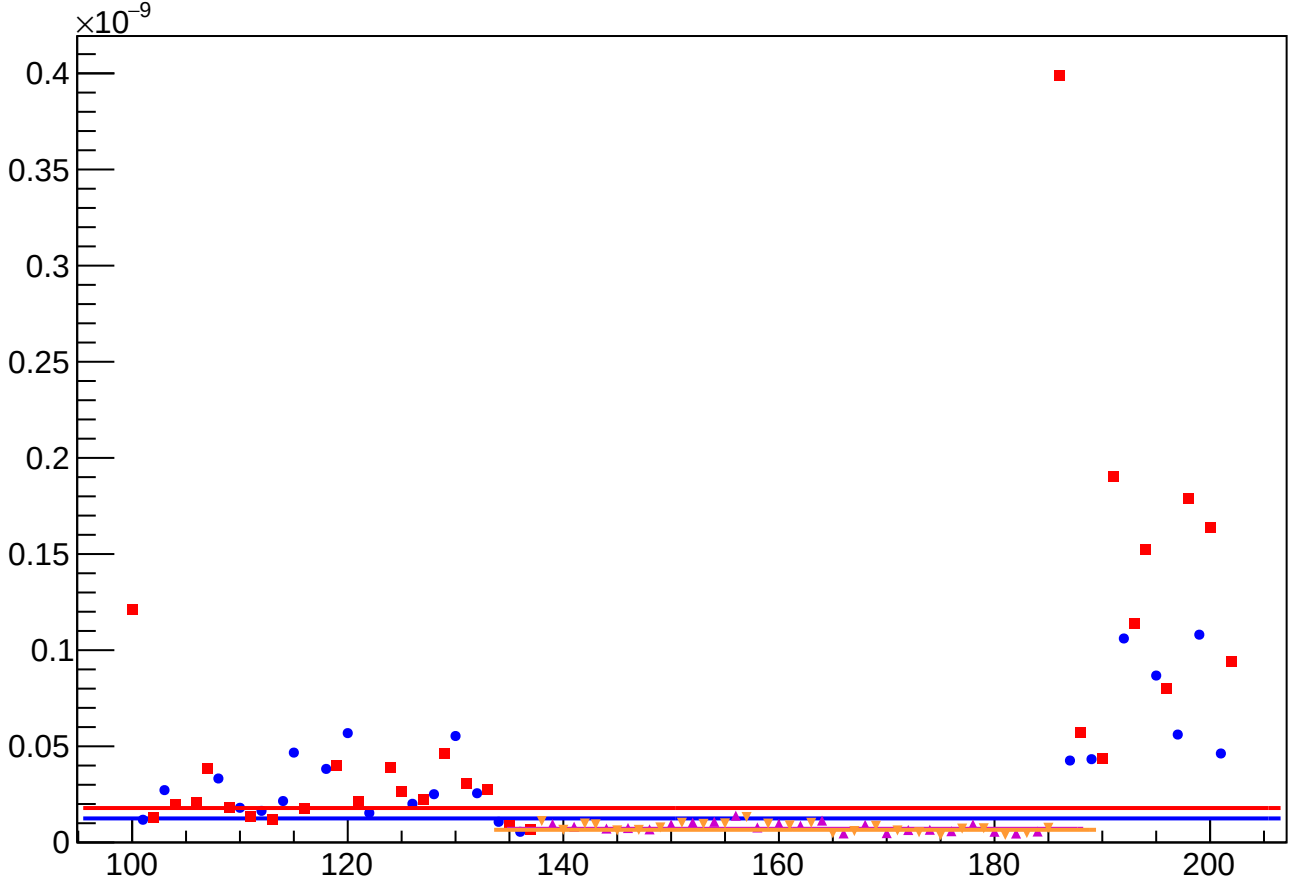
Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/28

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/47

All: 0.000+/-0.000 χ^2/NDF: 100.0/99

- sign 0.000+/-0.000 χ^2/NDF: 59.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 4557011.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

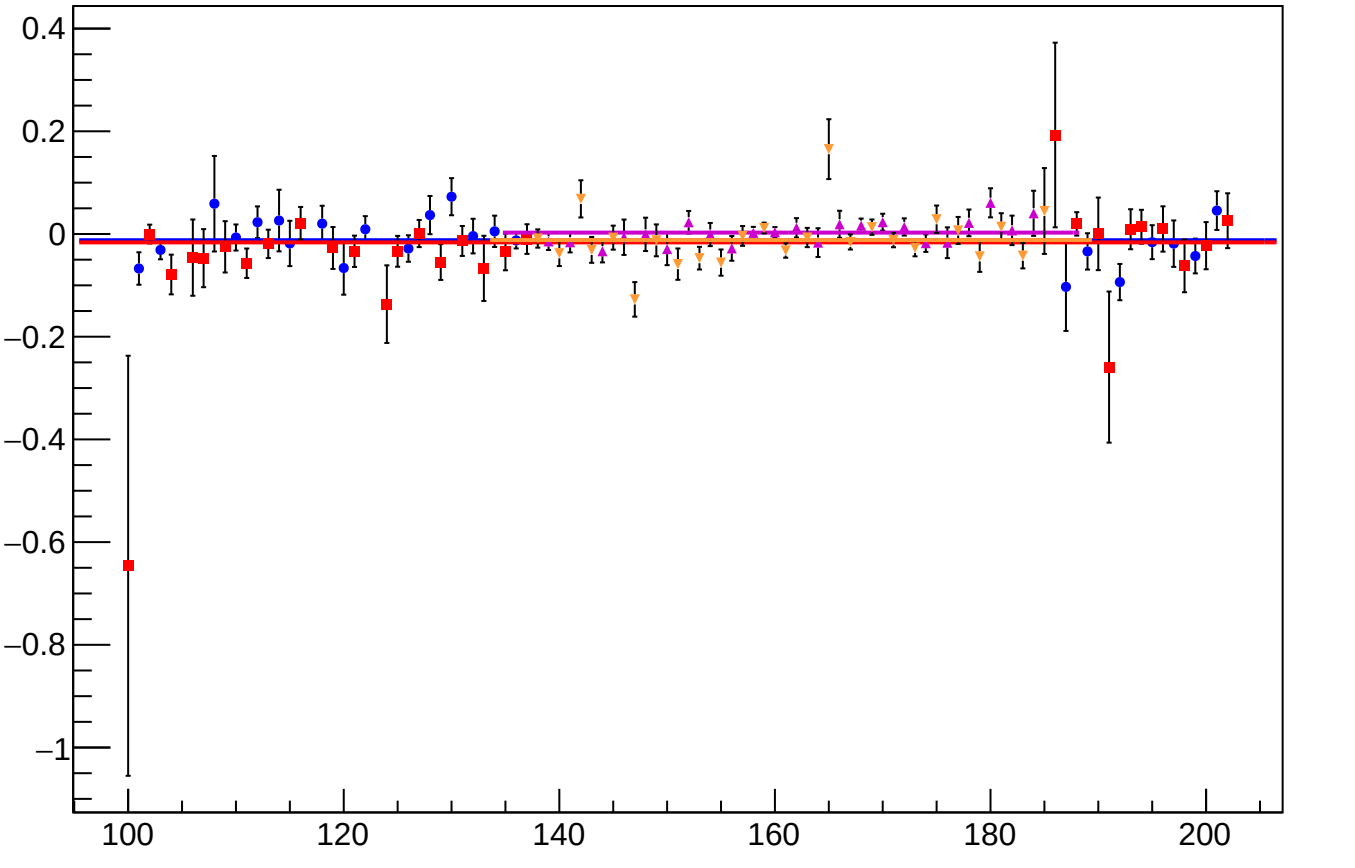
Right Out: 0.000+/-0.000 χ^2/NDF: 5290700.4/28

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7048754.1/47

All: 0.000+/-0.000 χ^2/NDF: 15527728.3/99

- sign 0.000+/-0.000 χ^2/NDF: 8402252.6/51



Right In: -0.012+/-0.006 χ^2/NDF: 27.1/22

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.016+/-0.007 χ^2/NDF: 25.2/28

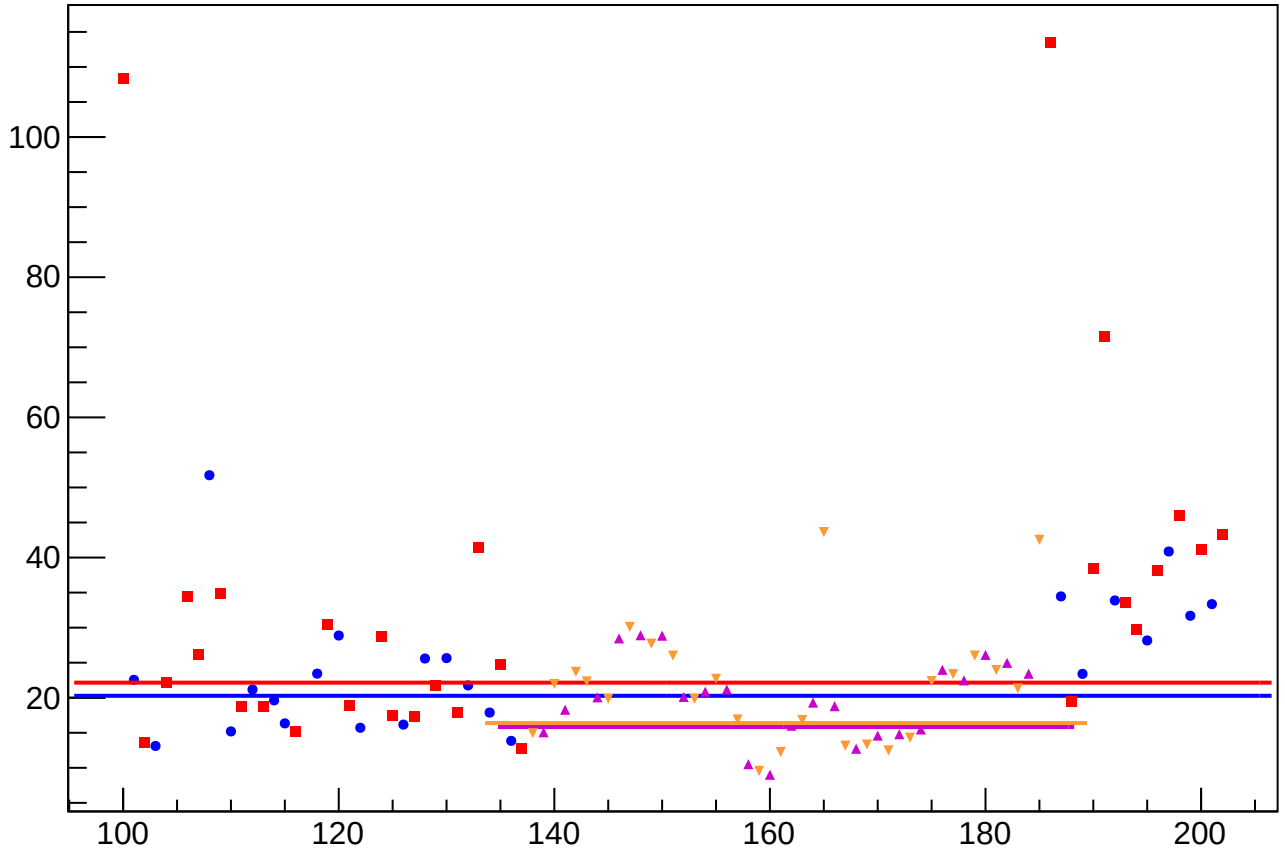
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 80.6/47

All: -0.007+/-0.002 χ^2/NDF: 135.3/99

- sign -0.002+/-0.003 χ^2/NDF: 50.9/51

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.276+/-0.005 χ^2/NDF: 2634976.4/22

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

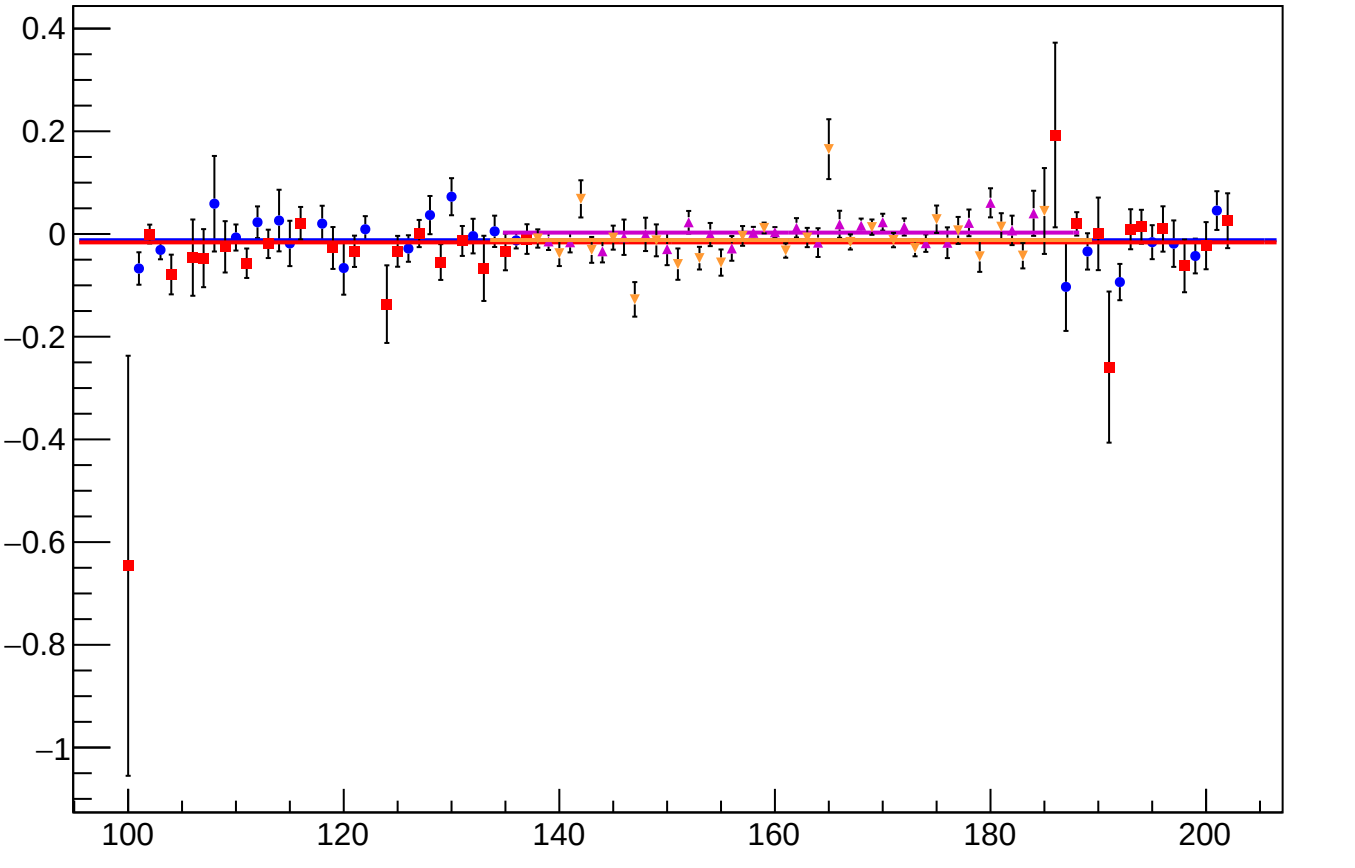
Right Out: 22.155+/-0.005 χ^2/NDF: 4069435.3/28

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.492+/-0.002 χ^2/NDF: 7184672.5/47

All: 17.499+/-0.002 χ^2/NDF: 16213977.4/99

- sign 17.506+/-0.002 χ^2/NDF: 9029288.5/51



Right In: -0.012+/-0.006 χ^2/NDF: 27.1/22

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

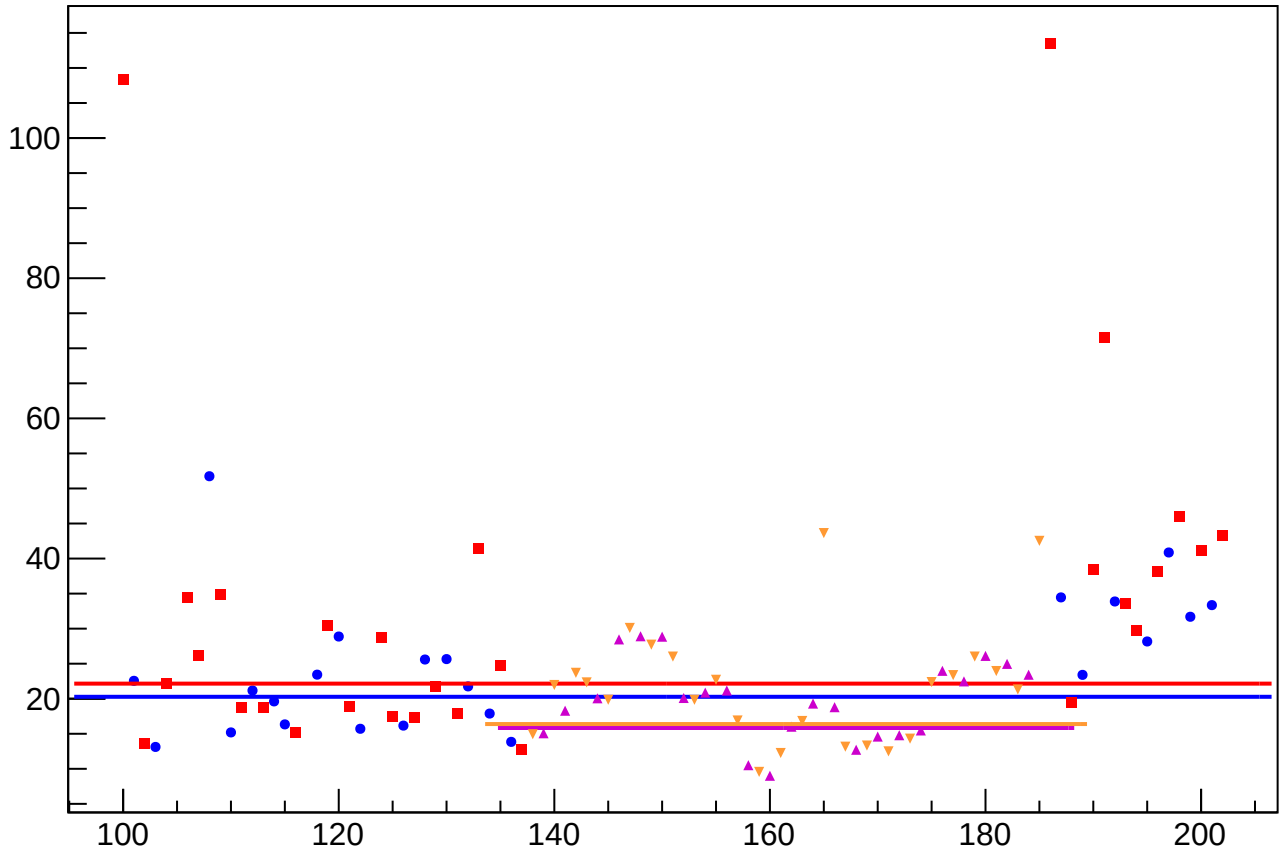
Right Out: -0.016+/-0.007 χ^2/NDF: 25.2/28

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 80.6/47

All: -0.007+/-0.002 χ^2/NDF: 135.3/99

- sign -0.002+/-0.003 χ^2/NDF: 50.9/51



Right In: 20.276+/-0.005 χ^2/NDF: 2634976.4/22

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

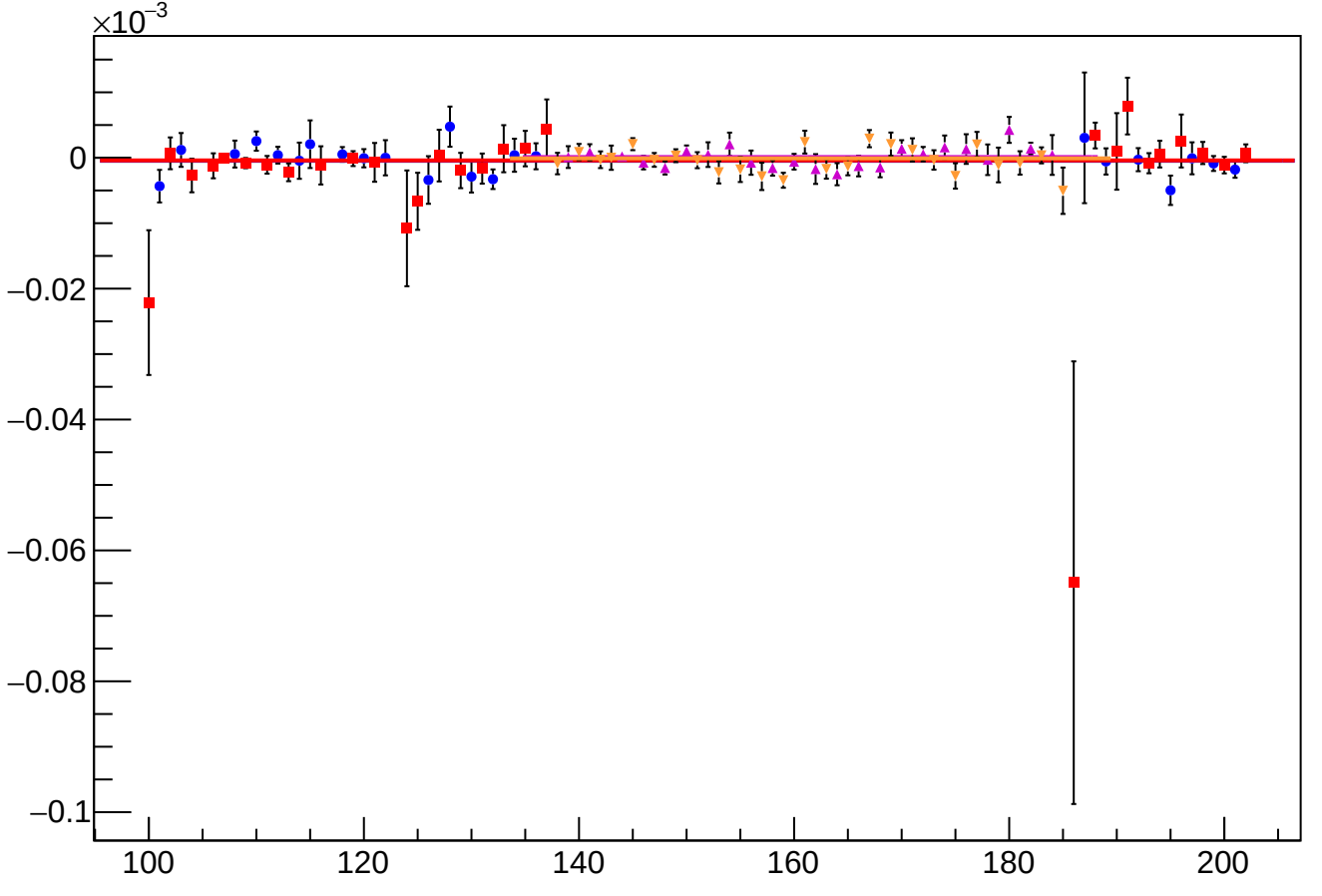
Right Out: 22.155+/-0.005 χ^2/NDF: 4069435.3/28

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.492+/-0.002 χ^2/NDF: 7184672.5/47

All: 17.499+/-0.002 χ^2/NDF: 16213977.4/99

\- sign 17.506+/-0.002 χ^2/NDF: 9029288.5/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/28

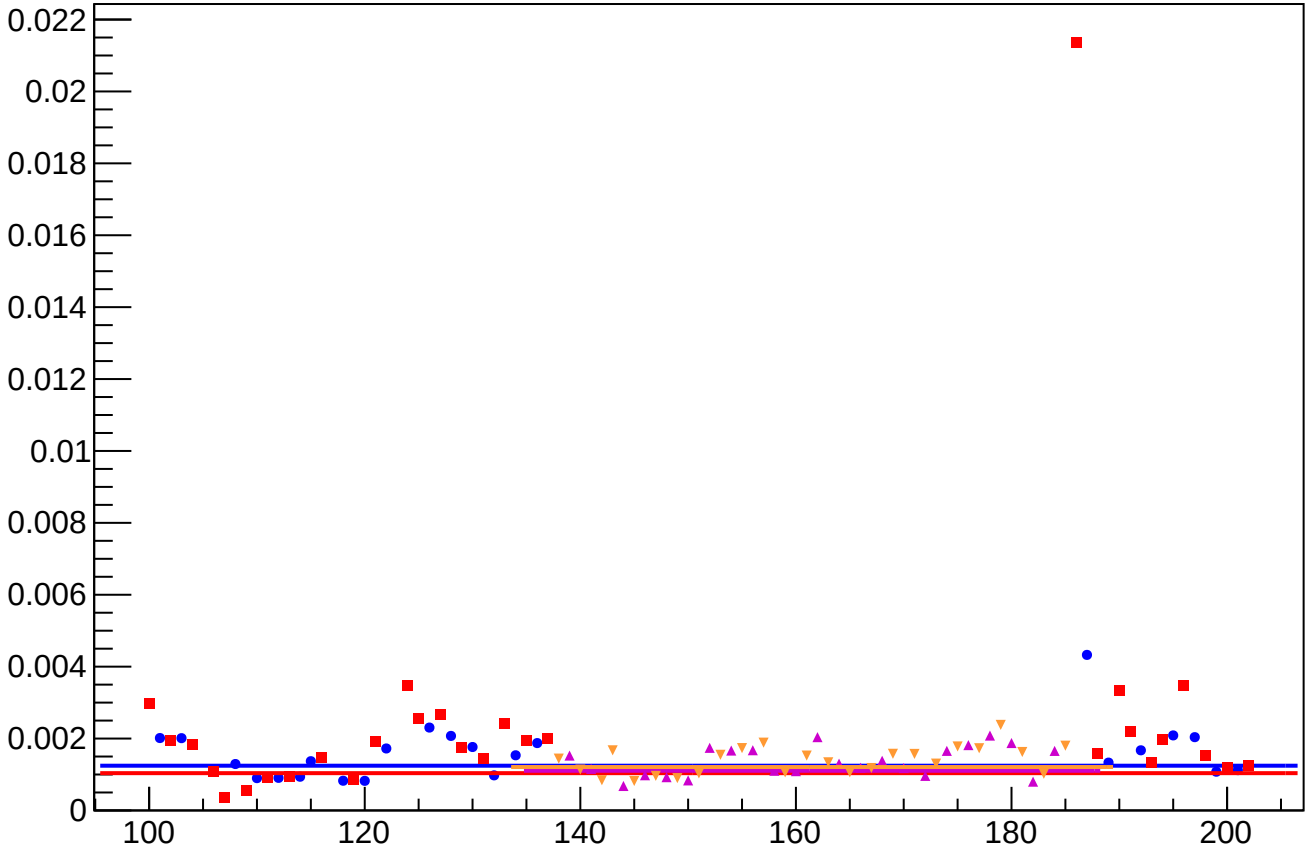
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.6/47

All: -0.000+/-0.000 χ^2/NDF: 110.0/99

- sign -0.000+/-0.000 χ^2/NDF: 50.3/51

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2732169.8/22

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

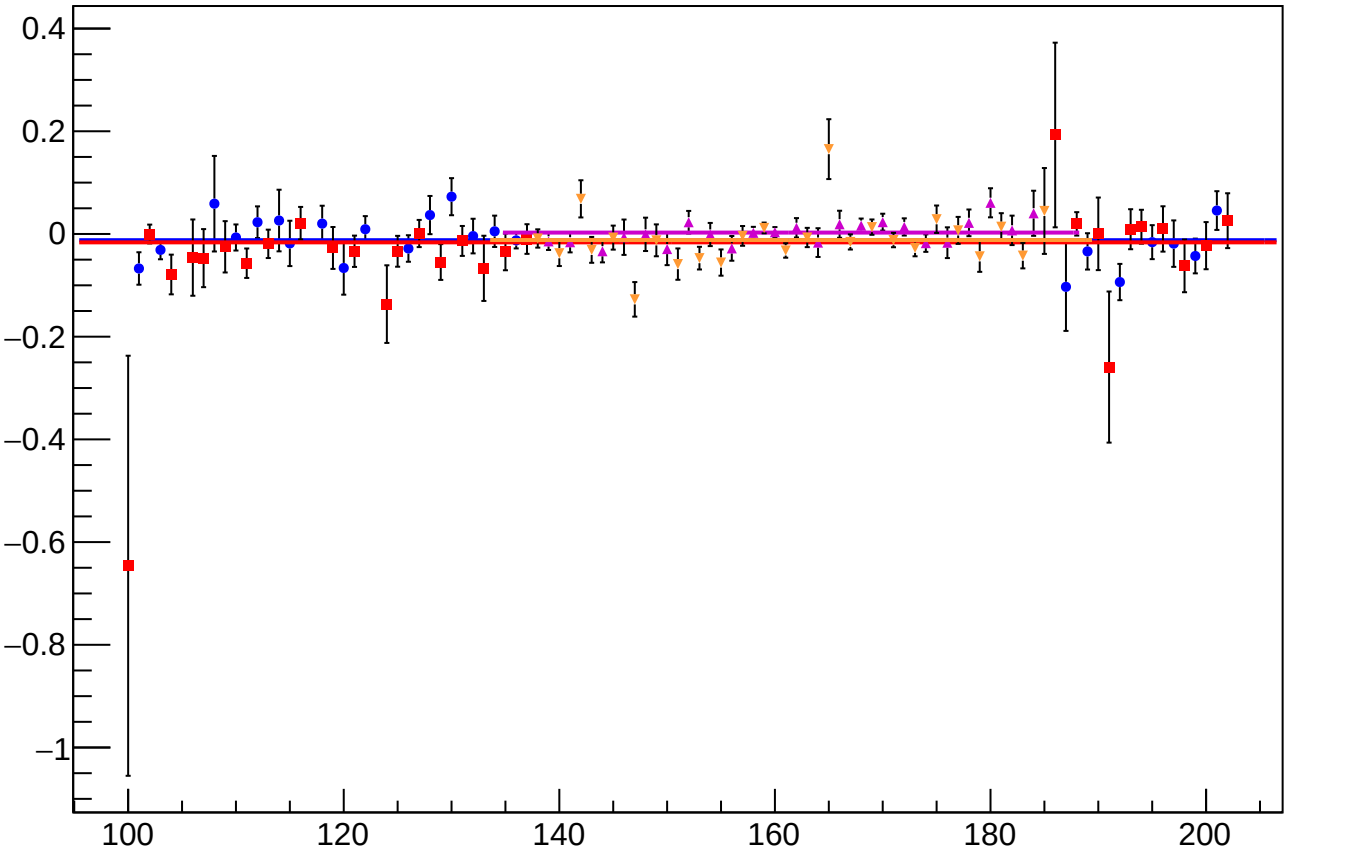
Right Out: 0.001+/-0.000 χ^2/NDF: 7605797.3/28

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5464918.1/47

All: 0.001+/-0.000 χ^2/NDF: 17046721.1/99

- sign 0.001+/-0.000 χ^2/NDF: 11149746.9/51



Right In: -0.012+/-0.006 χ^2/NDF: 27.1/22

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

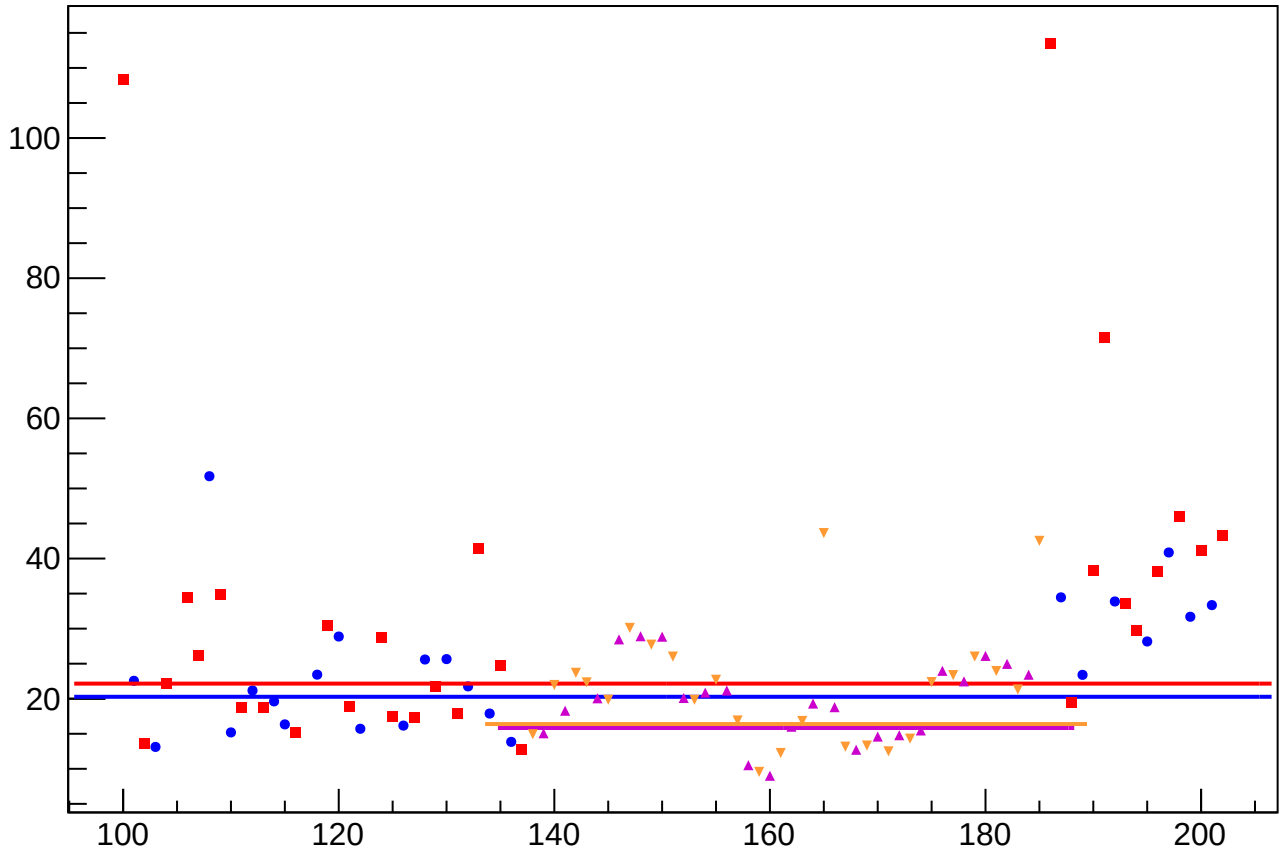
Right Out: -0.016+/-0.007 χ^2/NDF: 25.2/28

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 80.6/47

All: -0.007+/-0.002 χ^2/NDF: 135.3/99

- sign -0.002+/-0.003 χ^2/NDF: 50.9/51



Right In: 20.276+/-0.005 χ^2/NDF: 2634989.3/22

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

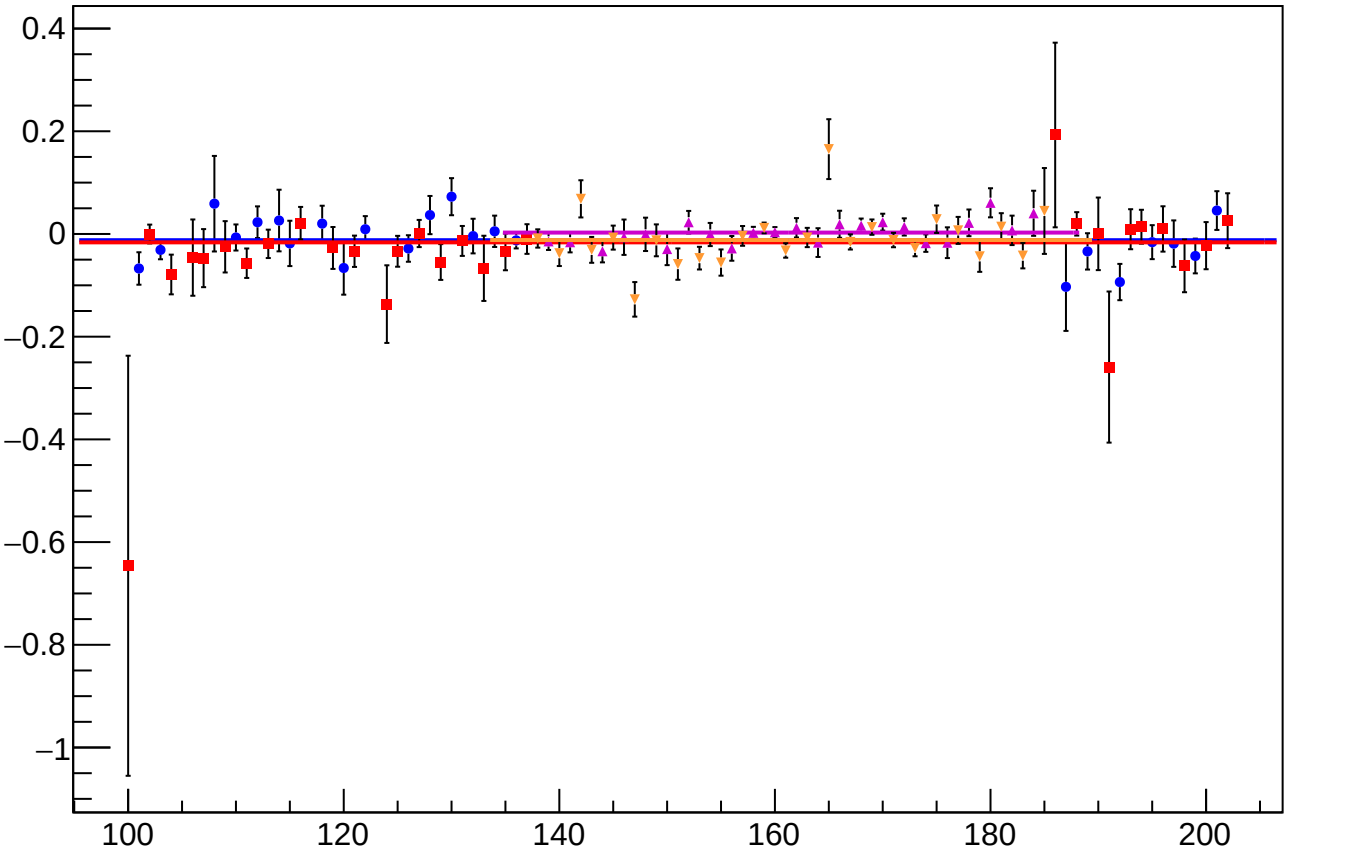
Right Out: 22.156+/-0.005 χ^2/NDF: 4069172.9/28

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.492+/-0.002 χ^2/NDF: 7185005.6/47

All: 17.499+/-0.002 χ^2/NDF: 16214715.0/99

- sign 17.506+/-0.002 χ^2/NDF: 9029693.0/51



Right In: -0.012+/-0.006 χ^2/NDF: 27.1/22

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

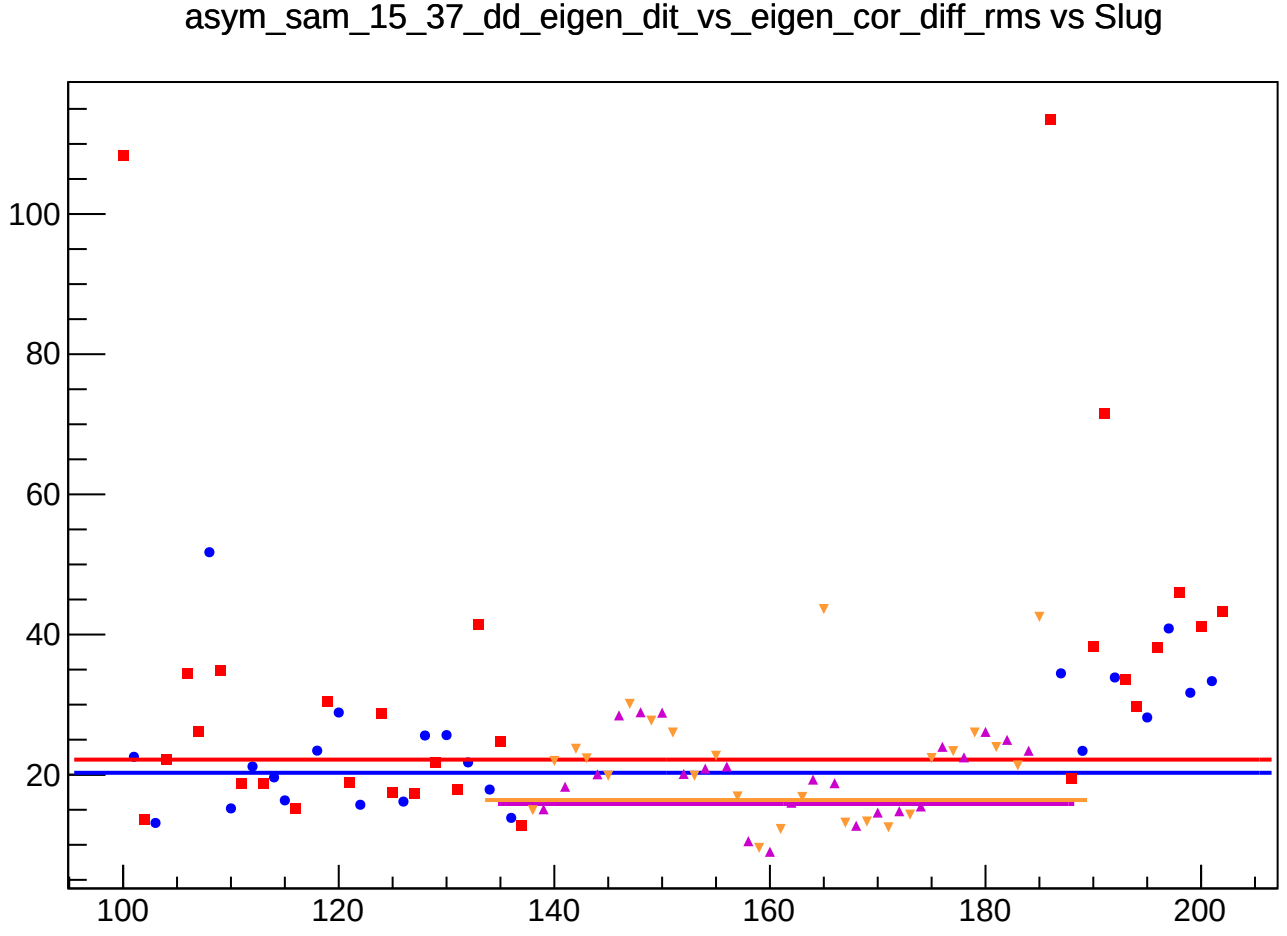
Right Out: -0.016+/-0.007 χ^2/NDF: 25.2/28

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 80.6/47

All: -0.007+/-0.002 χ^2/NDF: 135.3/99

- sign -0.002+/-0.003 χ^2/NDF: 50.9/51



Right In: 20.276+/-0.005 χ^2/NDF: 2634989.3/22

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

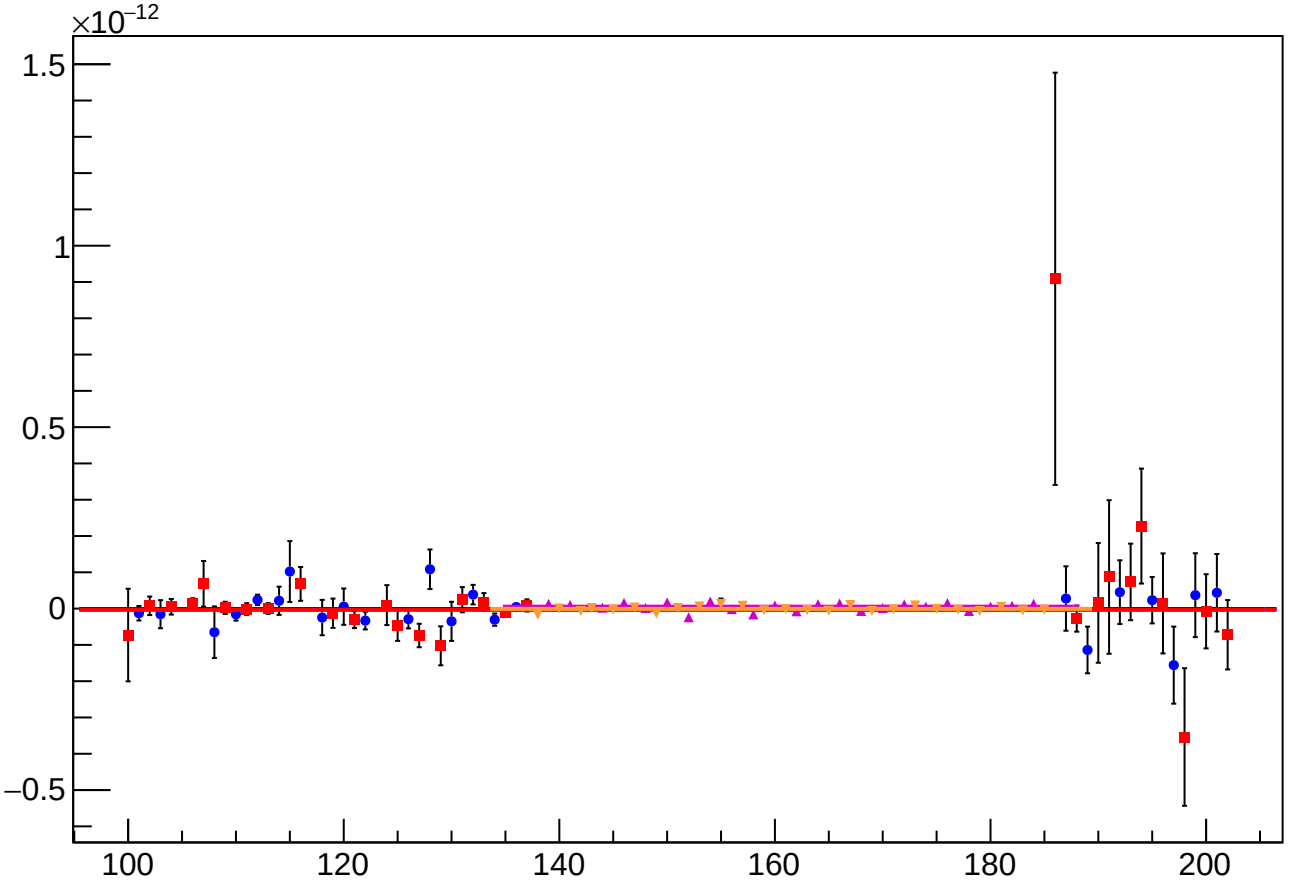
Right Out: 22.156+/-0.005 χ^2/NDF: 4069172.9/28

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.492+/-0.002 χ^2/NDF: 7185005.6/47

All: 17.499+/-0.002 χ^2/NDF: 16214715.0/99

- sign 17.506+/-0.002 χ^2/NDF: 9029693.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

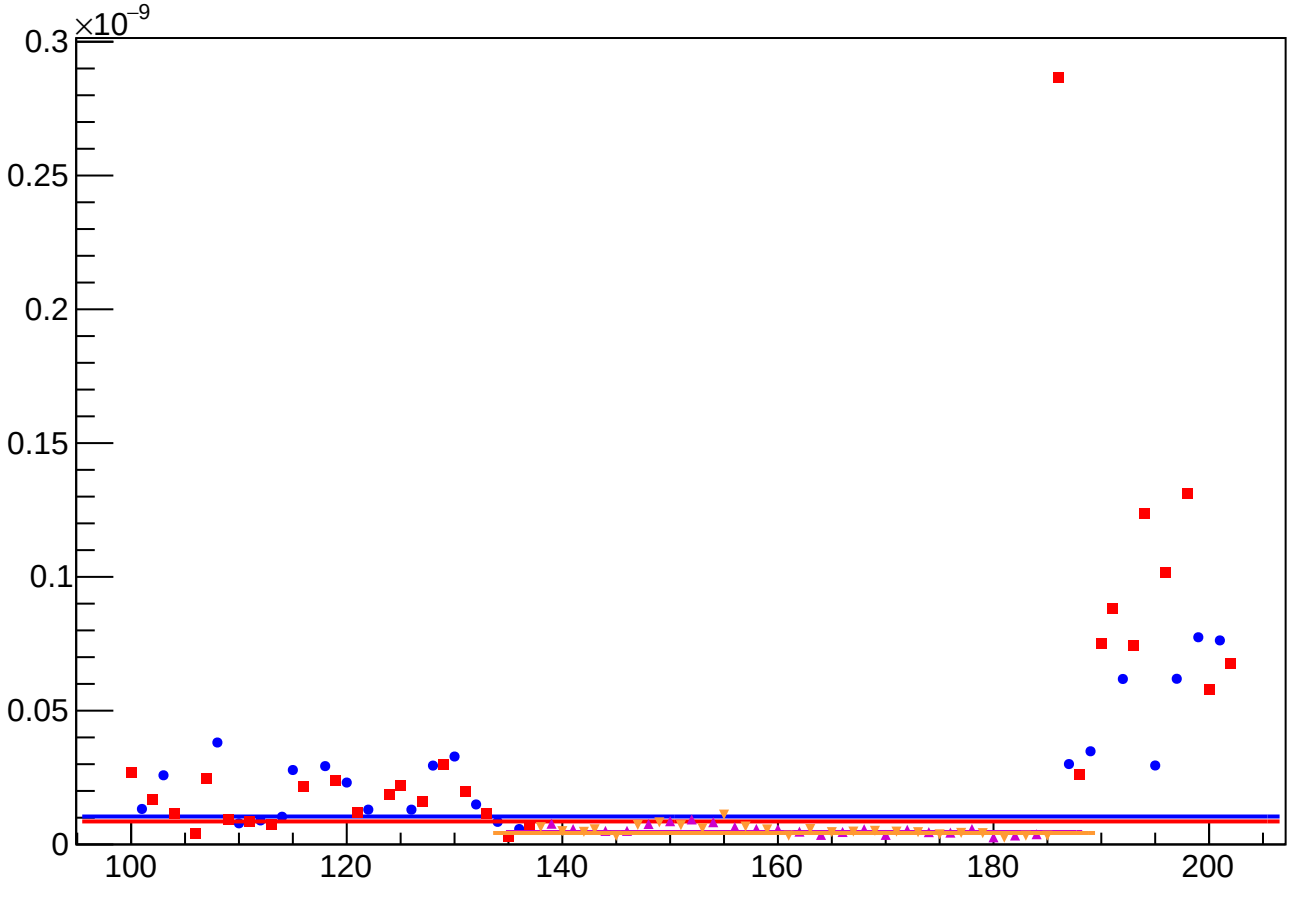
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/28

Left In: 0.000+/-0.000 χ^2/NDF:37.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.4/47

All: 0.000+/-0.000 χ^2/NDF: 124.3/99

- sign 0.000+/-0.000 χ^2/NDF: 70.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 5846218.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9544601.9/28

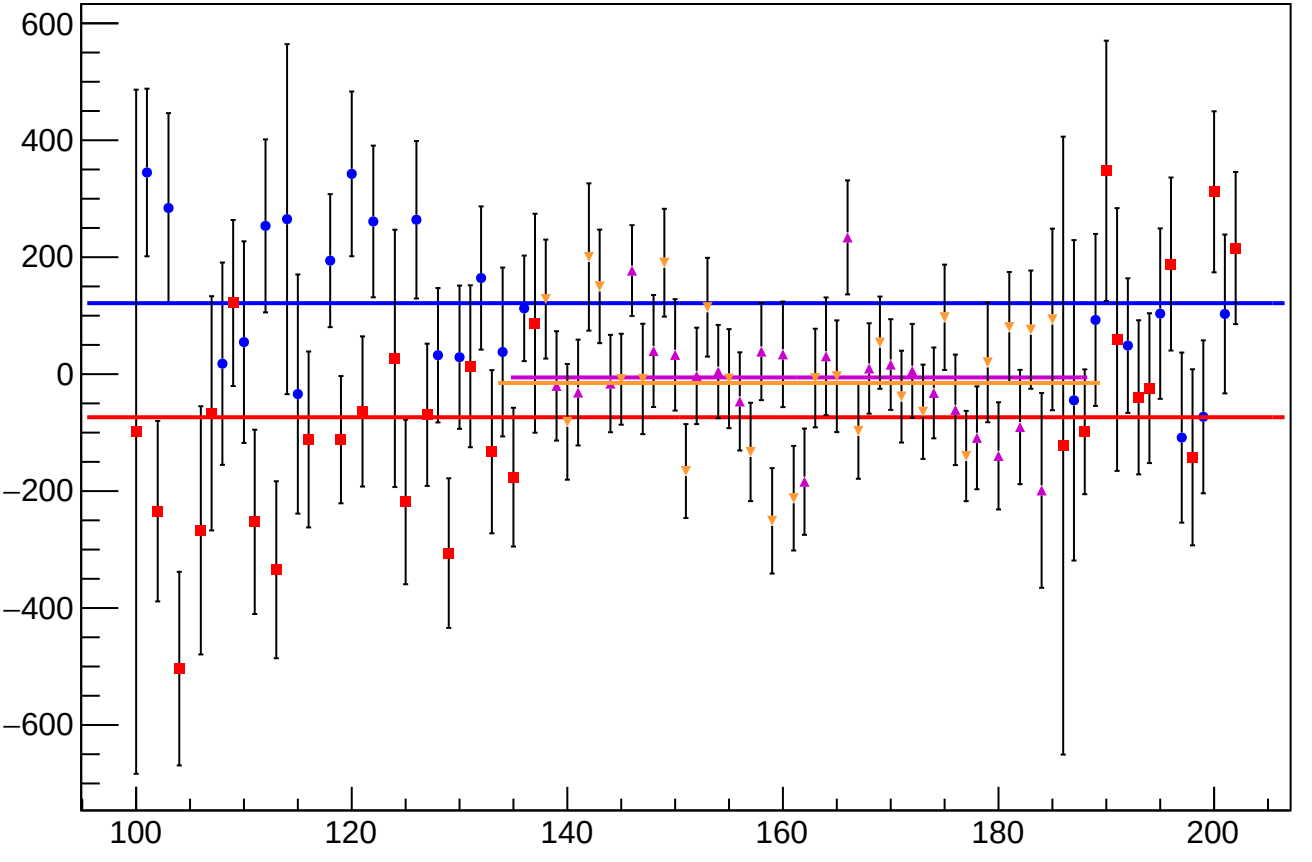
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11279342.0/47

All: 0.000+/-0.000 χ^2/NDF: 24852336.2/99

- sign 0.000+/-0.000 χ^2/NDF: 13497184.9/51

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 121.389+/-28.885 χ^2/NDF: 17.9/22

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -73.707+/-27.673 χ^2/NDF: 42.0/28

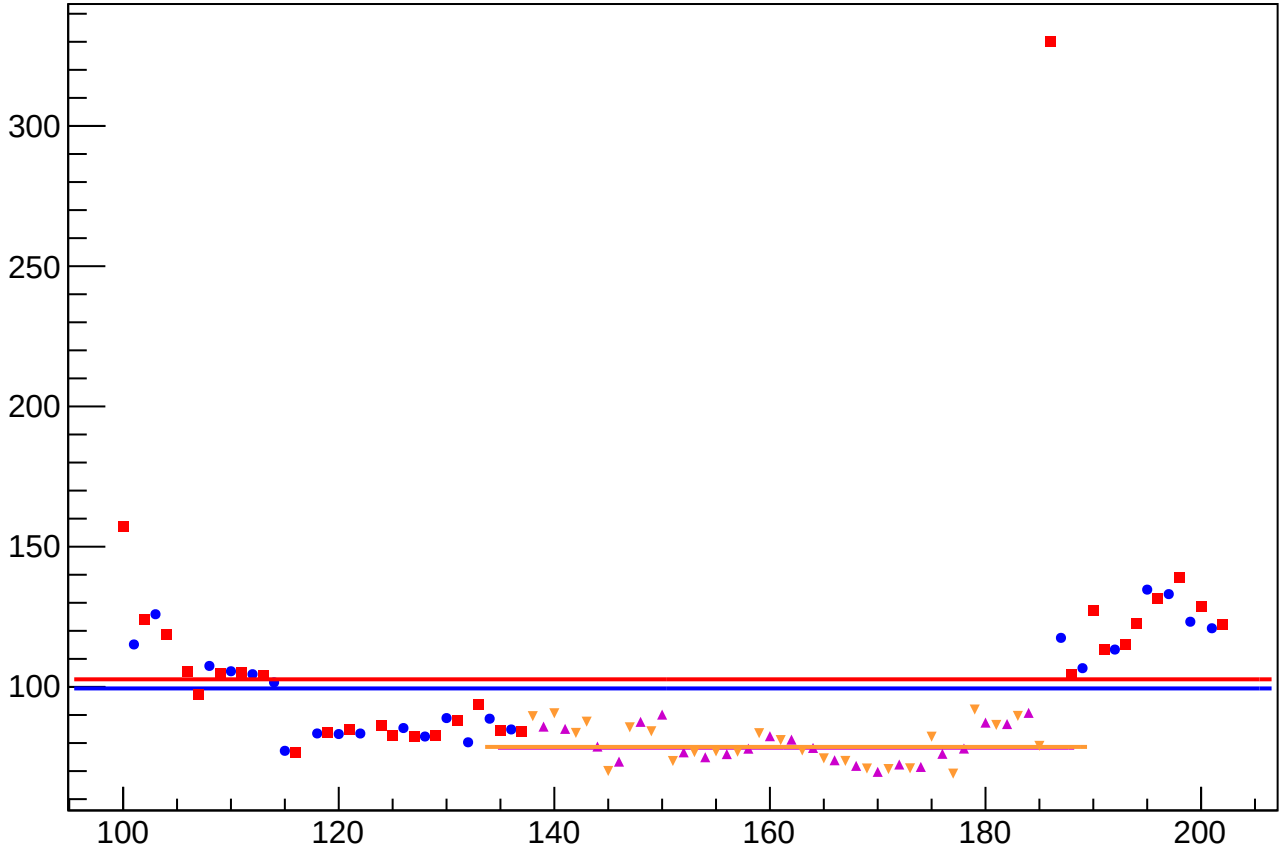
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 22.945+/-15.250 χ^2/NDF: 75.6/47

All: -1.664+/-10.805 χ^2/NDF: 150.1/99

- sign -26.471+/-15.312 χ^2/NDF: 69.2/51

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 99.467+/-0.020 χ^2/NDF: 783630.0/22

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

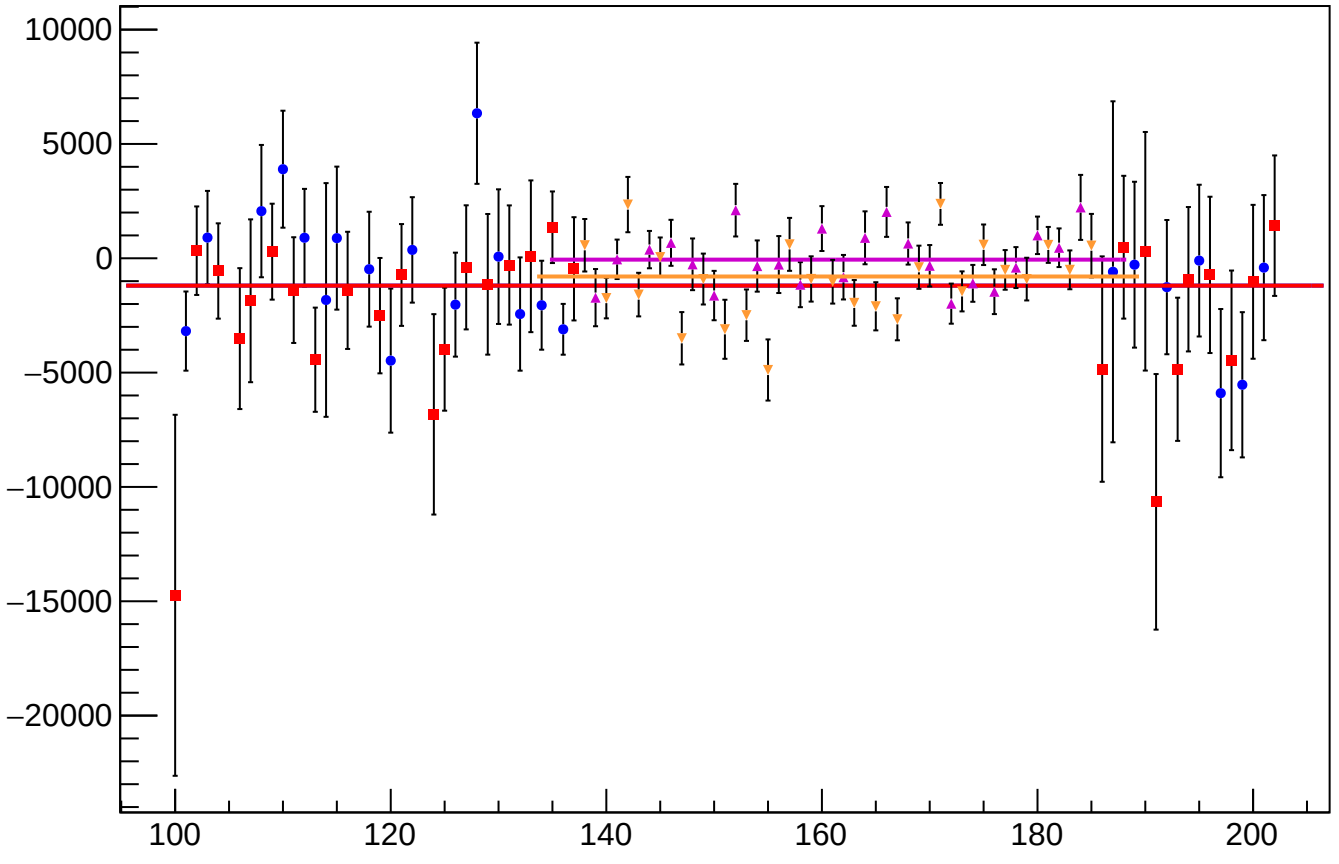
Right Out: 102.719+/-0.020 χ^2/NDF: 1266271.1/28

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.430+/-0.011 χ^2/NDF: 1842358.9/47

All: 85.112+/-0.008 χ^2/NDF: 4403294.2/99

- sign 85.799+/-0.011 χ^2/NDF: 2552899.7/51



Right In: -1194.812+/-507.901 χ^2/NDF: 24.1/22

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1196.831+/-509.723 χ^2/NDF: 19.6/28

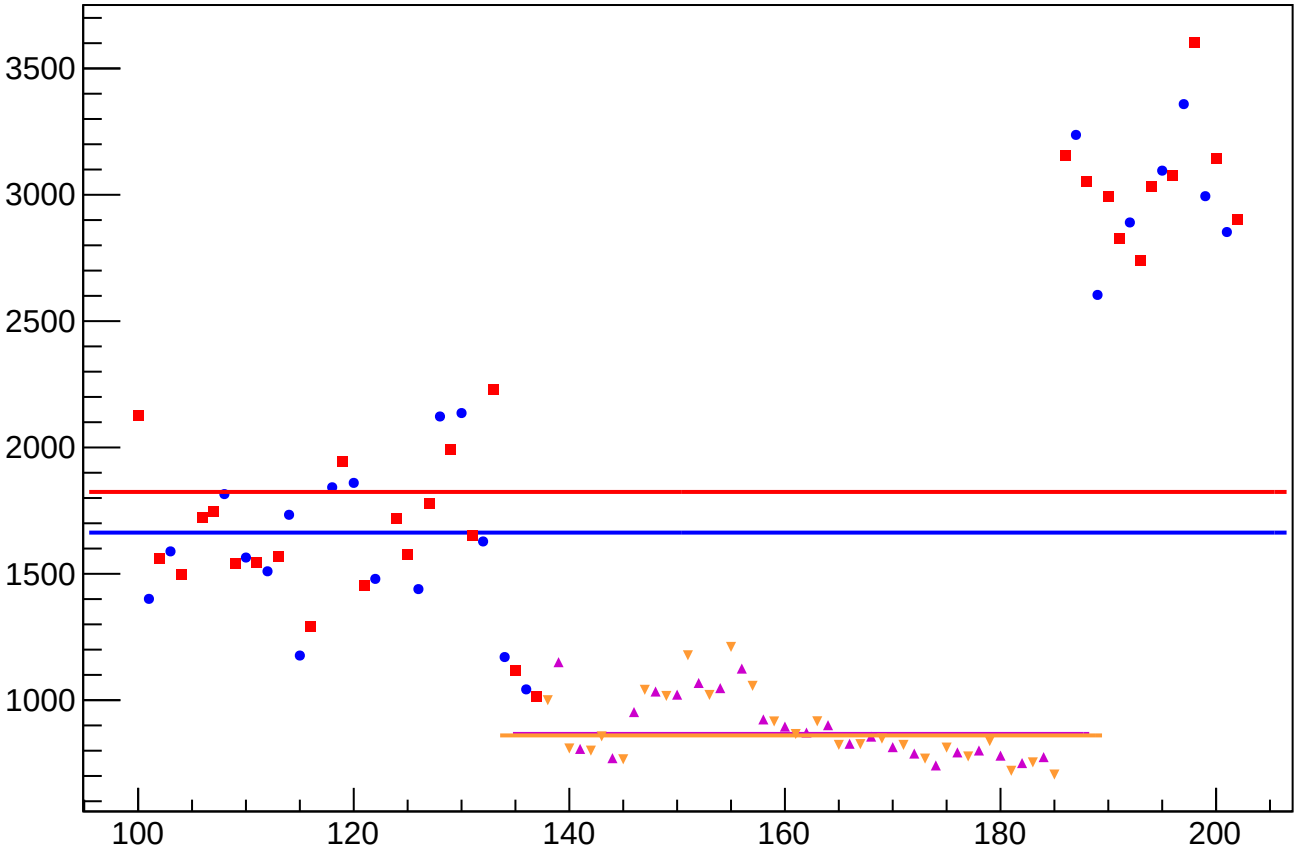
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -849.428+/-184.384 χ^2/NDF: 84.1/47

All: -542.320+/-132.234 χ^2/NDF: 144.1/99

- sign -217.095+/-189.744 χ^2/NDF: 54.3/51

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1663.106+/-0.359 χ^2/NDF: 3017672.1/22

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1824.056+/-0.360 χ^2/NDF: 3375767.5/28

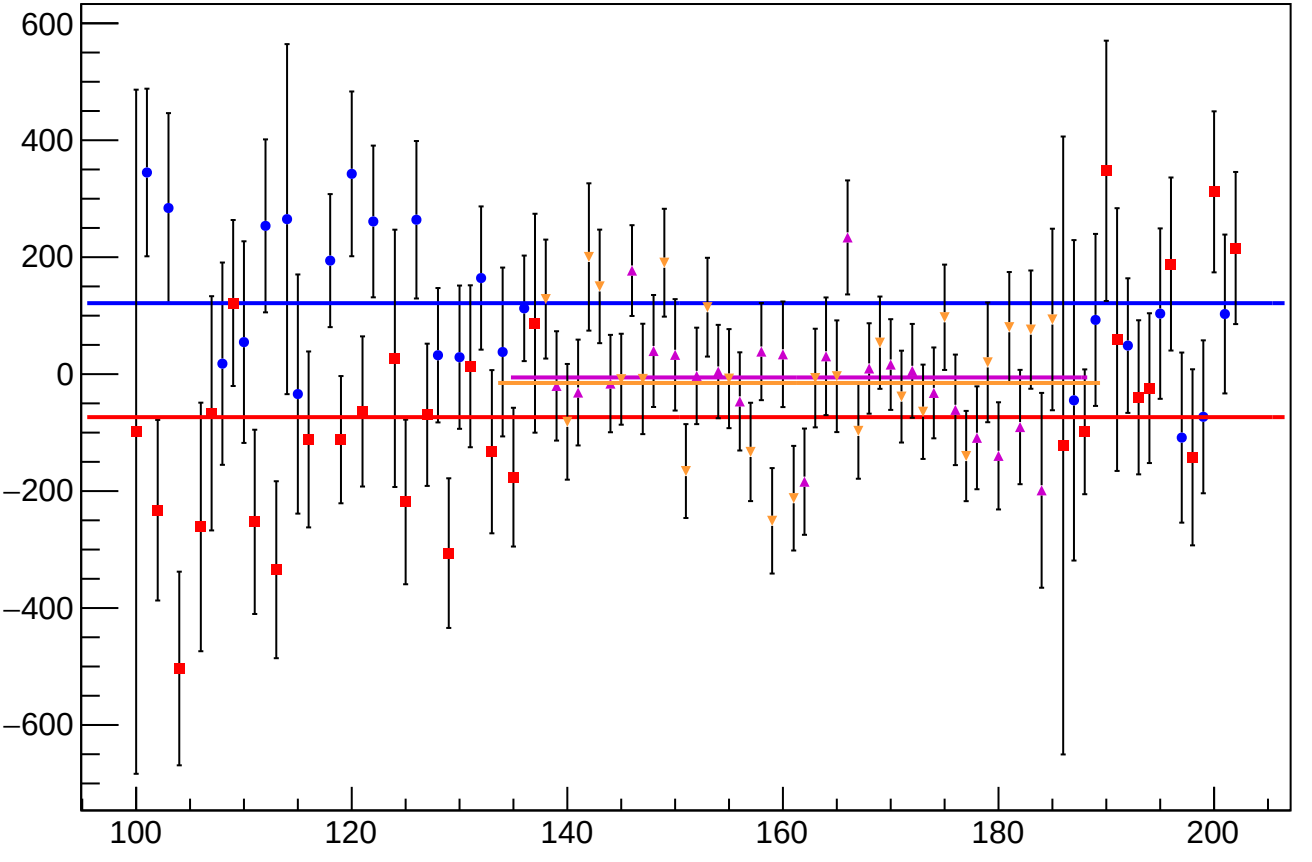
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 966.270+/-0.130 χ^2/NDF: 8053121.8/47

All: 982.195+/-0.094 χ^2/NDF: 18154844.7/99

- sign 999.061+/-0.134 χ^2/NDF: 10071001.5/51

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 121.383+/-28.885 χ^2/NDF: 17.9/22

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -73.536+/-27.674 χ^2/NDF: 41.9/28

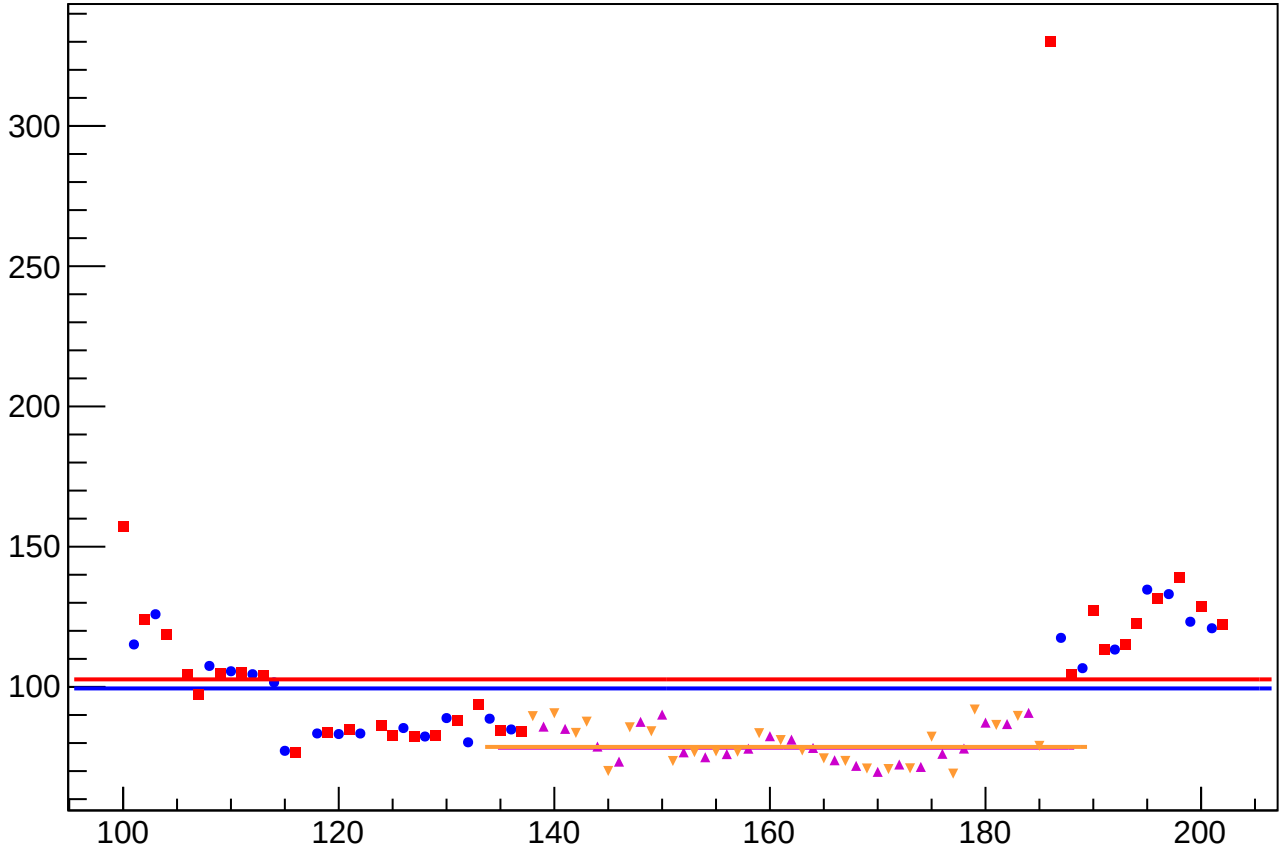
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.945+/-15.250 χ^2/NDF: 75.6/47

All: -1.636+/-10.805 χ^2/NDF: 149.9/99

- sign -26.415+/-15.312 χ^2/NDF: 69.1/51

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 99.467+/-0.020 χ^2/NDF: 783631.5/22

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

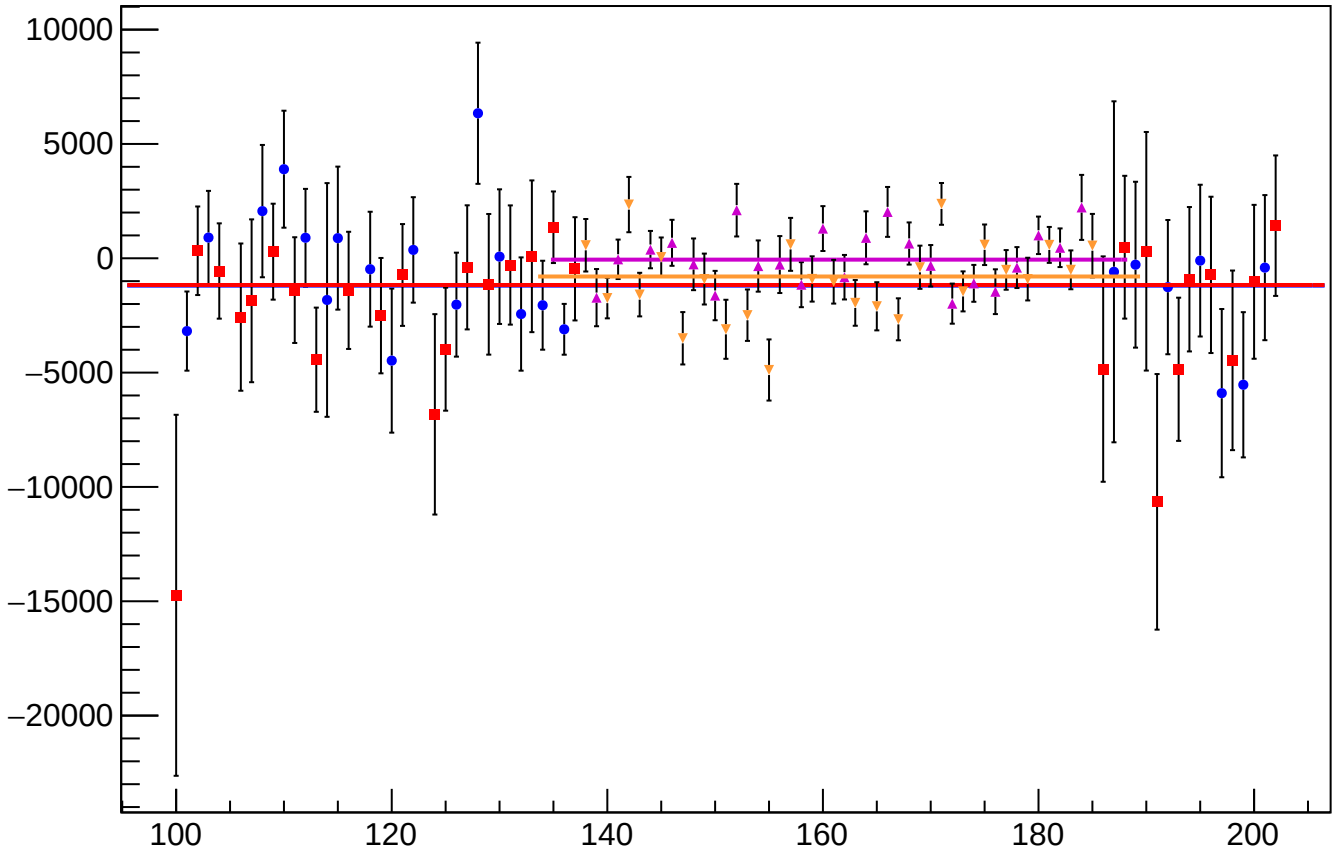
Right Out: 102.698+/-0.020 χ^2/NDF: 1266178.6/28

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.430+/-0.011 χ^2/NDF: 1842360.8/47

All: 85.108+/-0.008 χ^2/NDF: 4401228.3/99

- sign 85.793+/-0.011 χ^2/NDF: 2550911.4/51



Right In: -1194.793+/-507.902 χ^2/NDF: 24.1/22

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1168.191+/-510.326 χ^2/NDF: 19.2/28

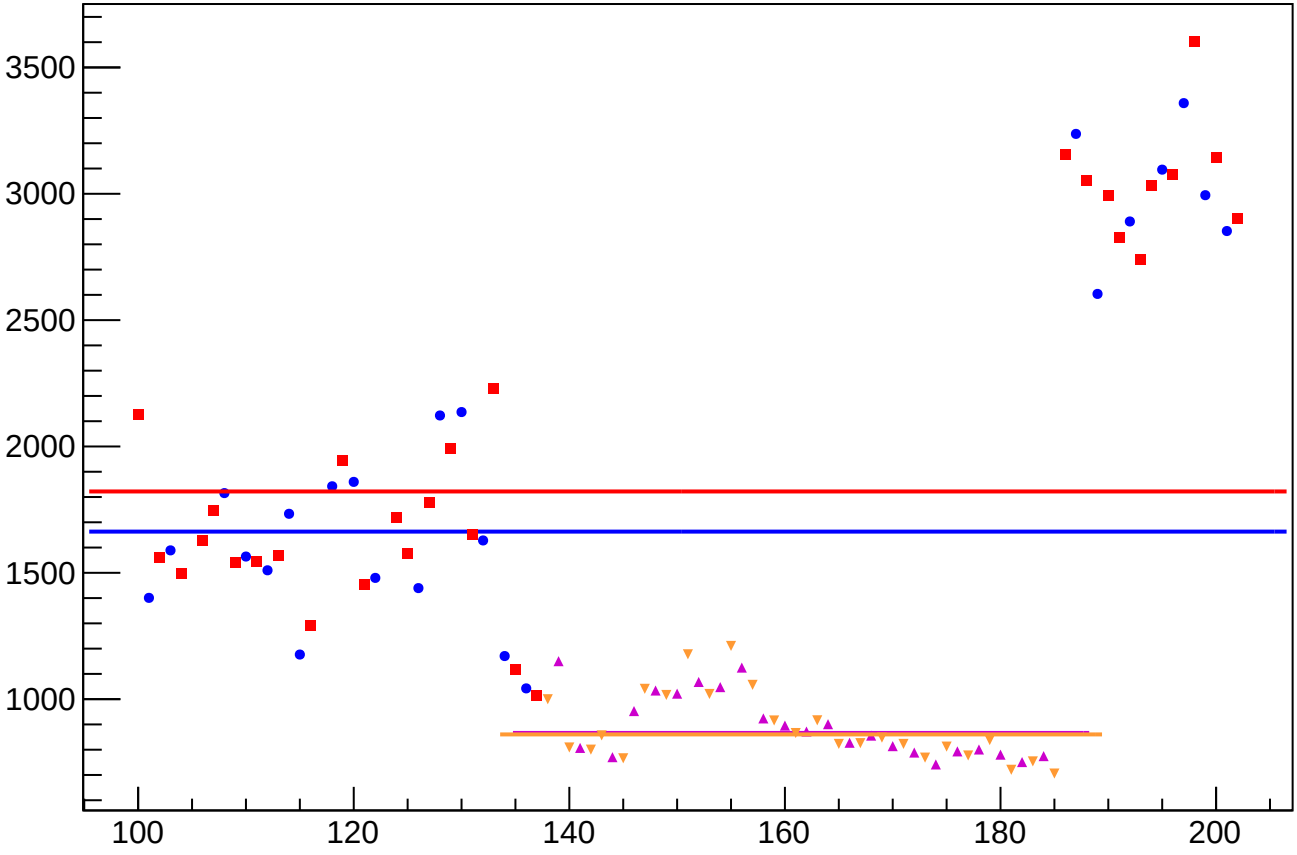
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -849.425+/-184.384 χ^2/NDF: 84.1/47

All: -540.291+/-132.244 χ^2/NDF: 143.5/99

- sign -212.814+/-189.776 χ^2/NDF: 53.7/51

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1663.110+/-0.359 χ^2/NDF: 3017668.4/22

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1821.989+/-0.361 χ^2/NDF: 3380731.9/28

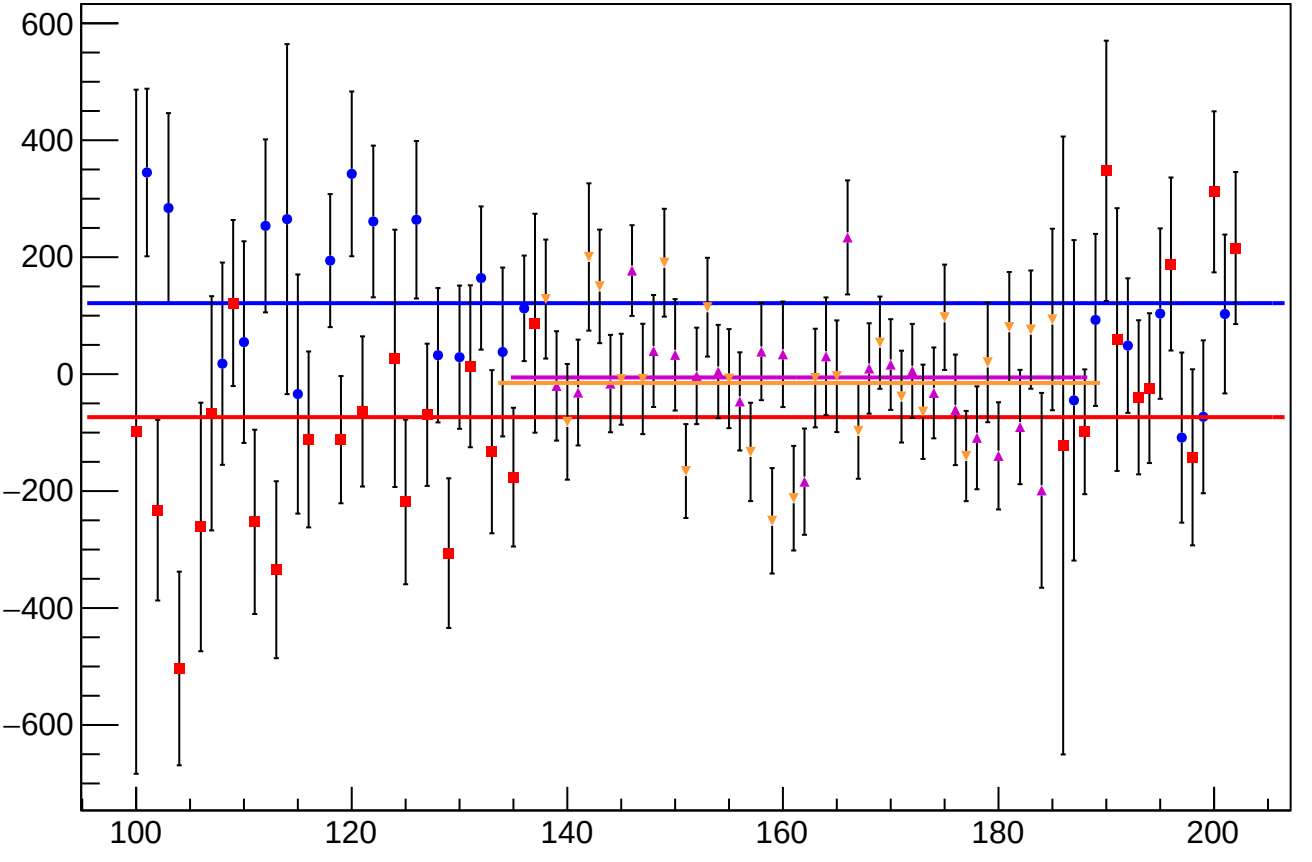
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 966.270+/-0.130 χ^2/NDF: 8053142.3/47

All: 981.923+/-0.094 χ^2/NDF: 18120241.6/99

- sign 998.505+/-0.134 χ^2/NDF: 10037415.0/51

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 121.383+/-28.885 χ^2/NDF: 17.9/22

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -73.536+/-27.674 χ^2/NDF: 41.9/28

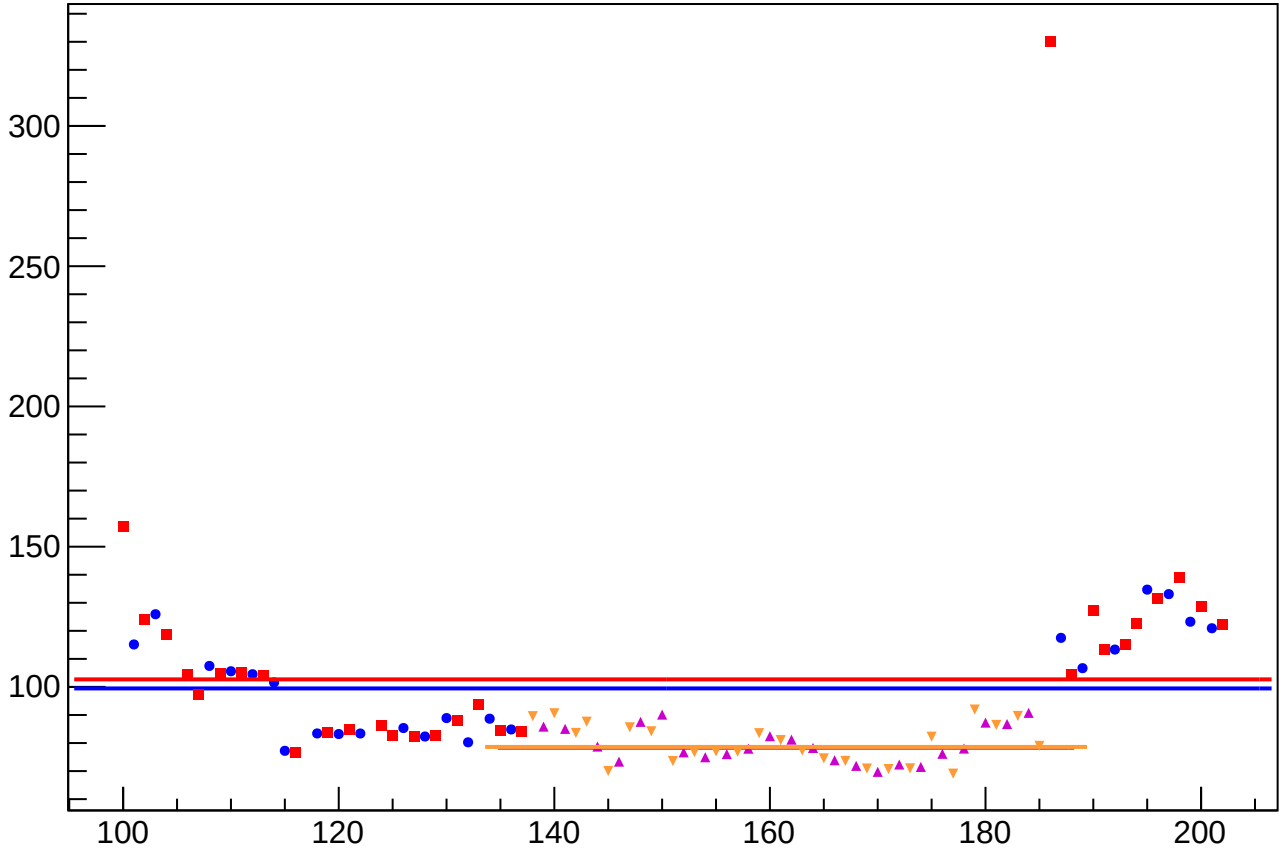
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.945+/-15.250 χ^2/NDF: 75.6/47

All: -1.636+/-10.805 χ^2/NDF: 149.9/99

- sign -26.415+/-15.312 χ^2/NDF: 69.1/51

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 99.467+/-0.020 χ^2/NDF: 783631.5/22

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

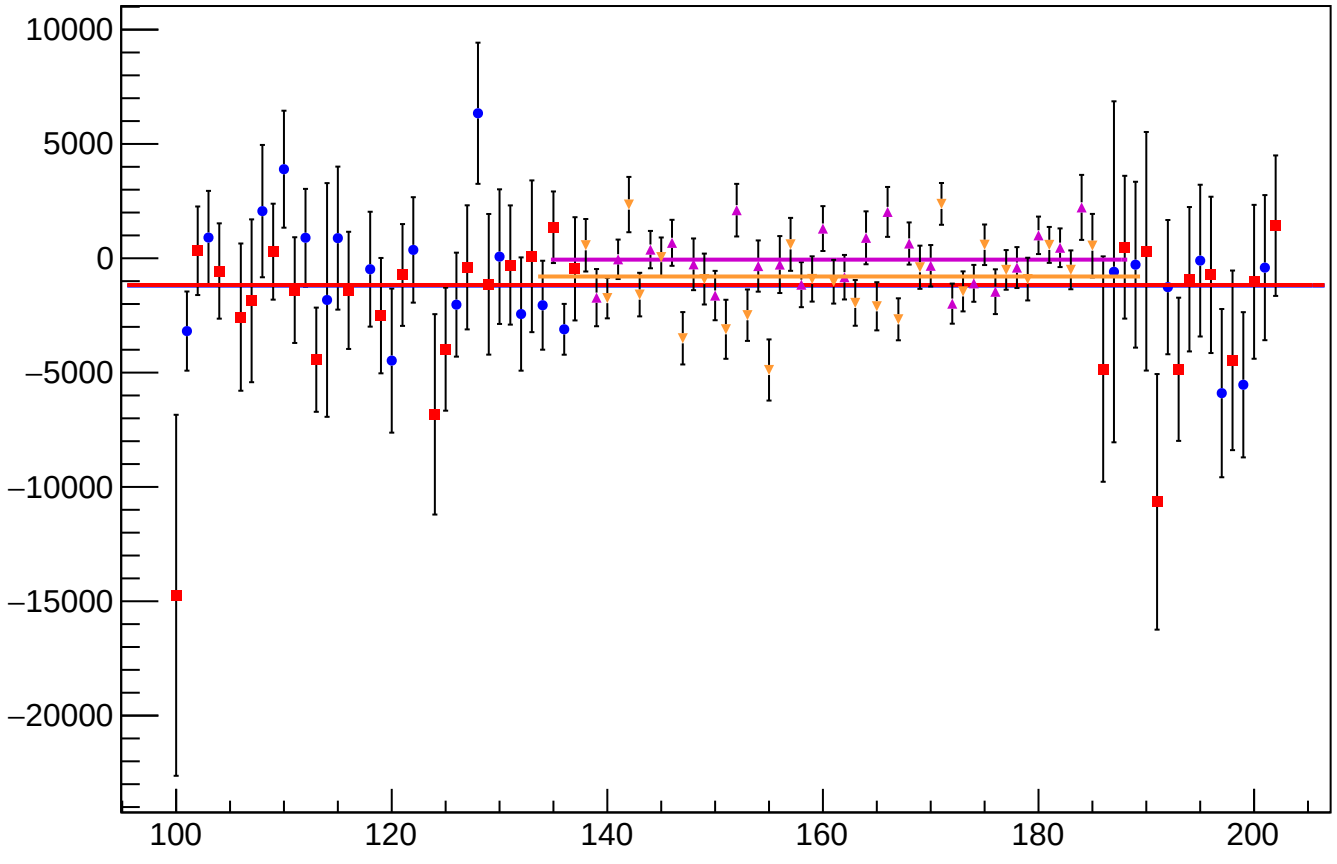
Right Out: 102.698+/-0.020 χ^2/NDF: 1266178.6/28

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.430+/-0.011 χ^2/NDF: 1842360.8/47

All: 85.108+/-0.008 χ^2/NDF: 4401228.3/99

- sign 85.793+/-0.011 χ^2/NDF: 2550911.4/51



Right In: -1194.793+/-507.902 χ^2/NDF: 24.1/22

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

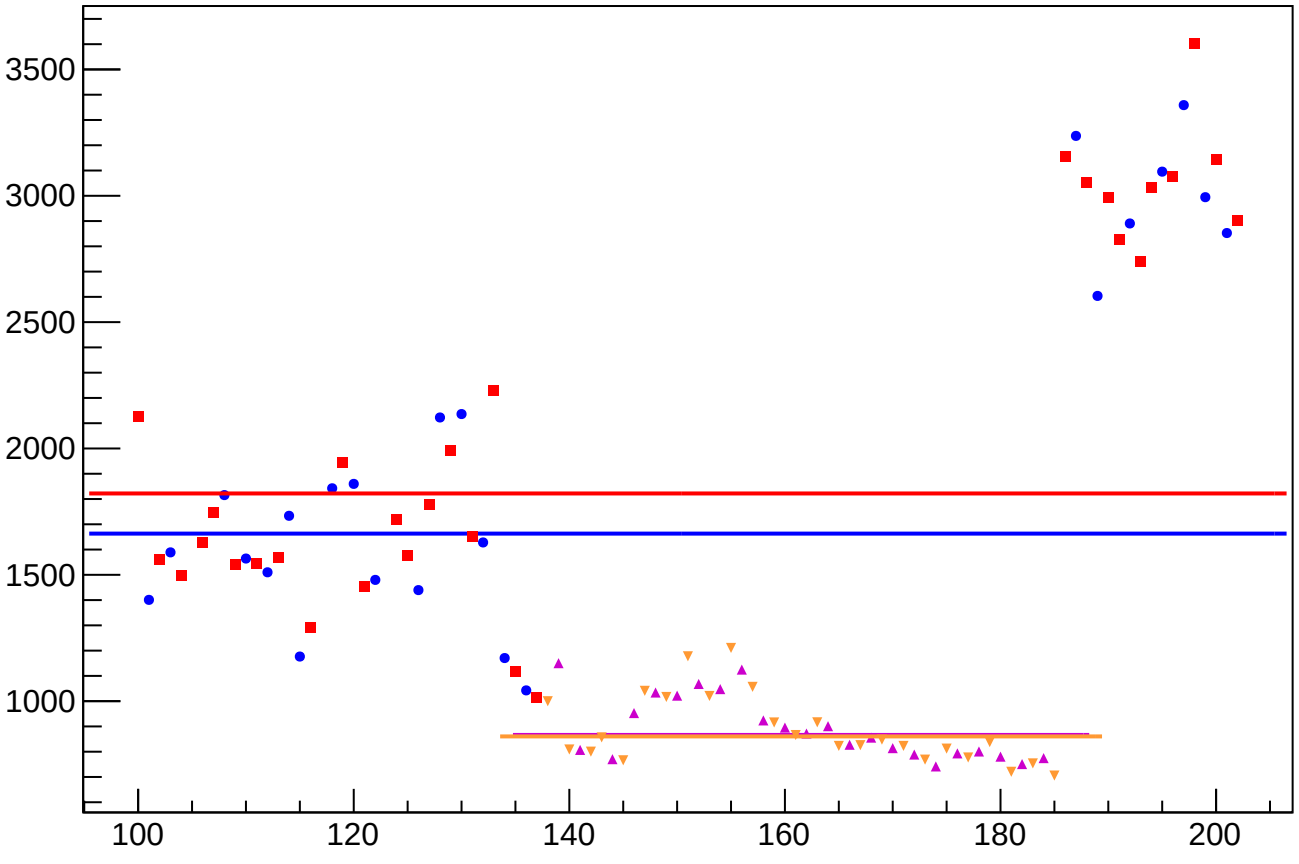
Right Out: -1168.191+/-510.326 χ^2/NDF: 19.2/28

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -849.425+/-184.384 χ^2/NDF: 84.1/47

All: -540.291+/-132.244 χ^2/NDF: 143.5/99

- sign -212.814+/-189.776 χ^2/NDF: 53.7/51



Right In: 1663.110+/-0.359 χ^2/NDF: 3017668.4/22

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1821.989+/-0.361 χ^2/NDF: 3380731.9/28

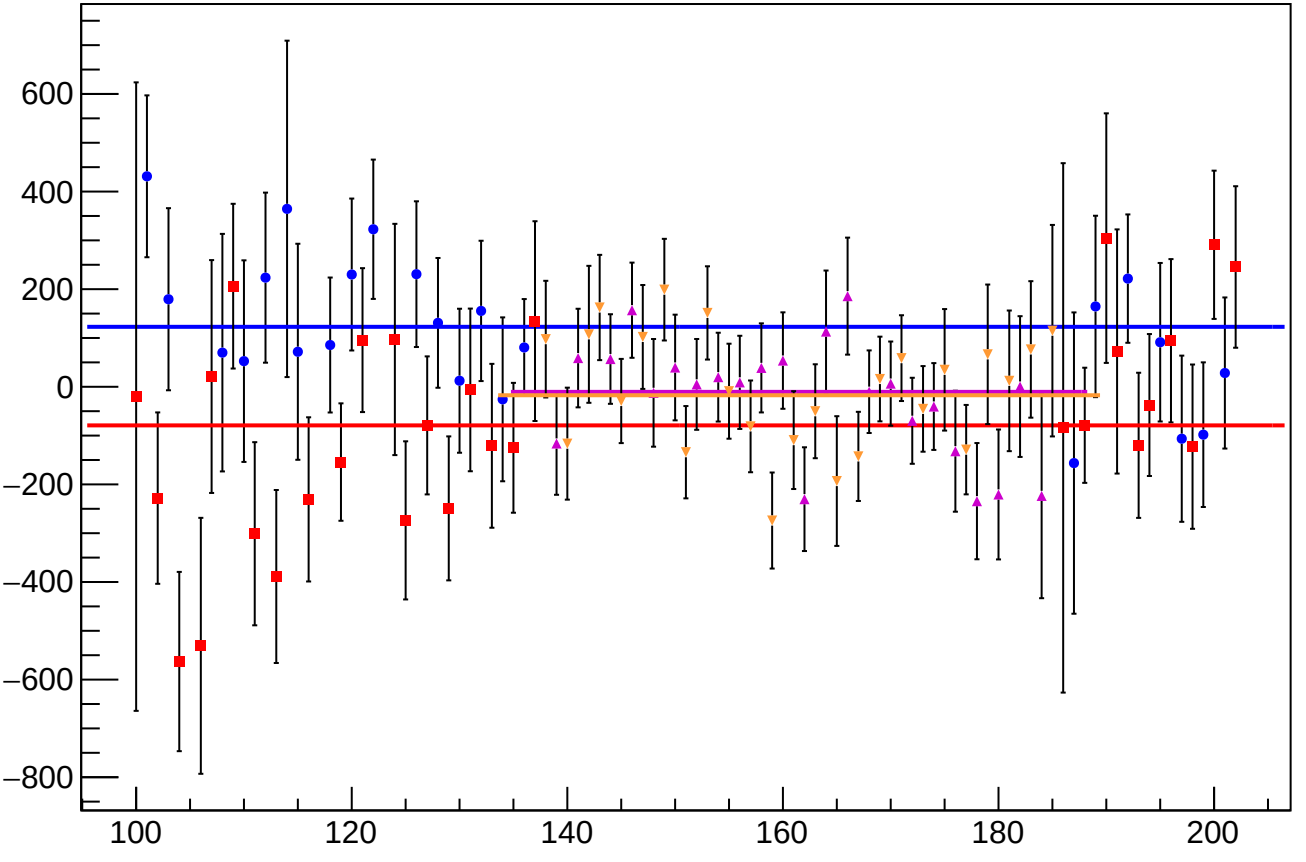
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 966.270+/-0.130 χ^2/NDF: 8053142.3/47

All: 981.923+/-0.094 χ^2/NDF: 18120241.6/99

- sign 998.505+/-0.134 χ^2/NDF: 10037415.0/51

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 122.864+/-33.341 χ^2/NDF: 15.1/22

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -79.094+/-31.685 χ^2/NDF: 39.2/28

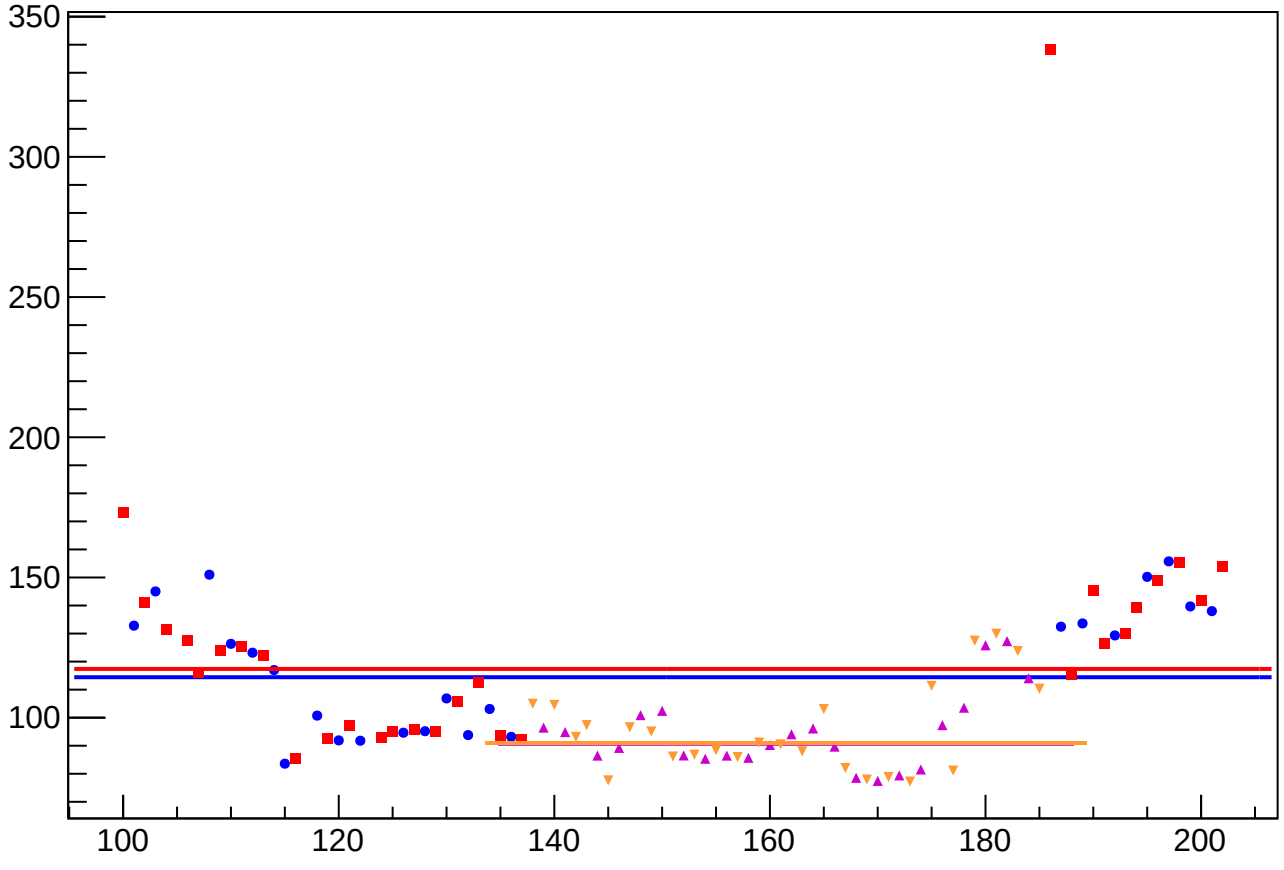
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 22.436+/-17.761 χ^2/NDF: 59.0/47

All: -4.768+/-12.570 χ^2/NDF: 128.7/99

- sign -32.070+/-17.793 χ^2/NDF: 65.1/51

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 114.432+/-0.024 χ^2/NDF: 883650.6/22

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 117.386+/-0.022 χ^2/NDF: 1265311.6/28

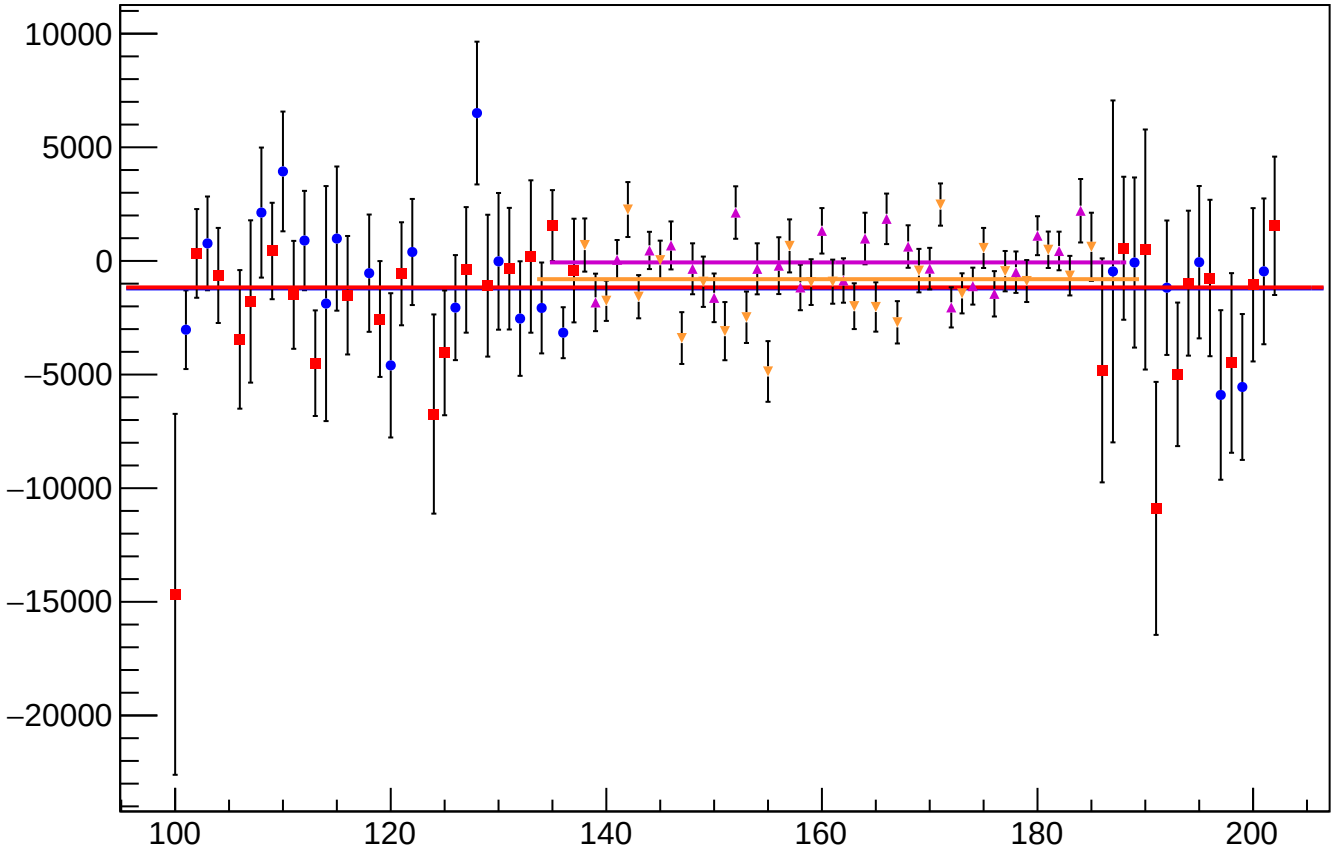
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 97.626+/-0.013 χ^2/NDF: 2377731.7/47

All: 98.366+/-0.009 χ^2/NDF: 5168022.8/99

- sign 99.108+/-0.013 χ^2/NDF: 2783337.0/51

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1209.840+/-514.739 χ^2/NDF: 23.8/22

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1165.489+/-514.570 χ^2/NDF: 20.4/28

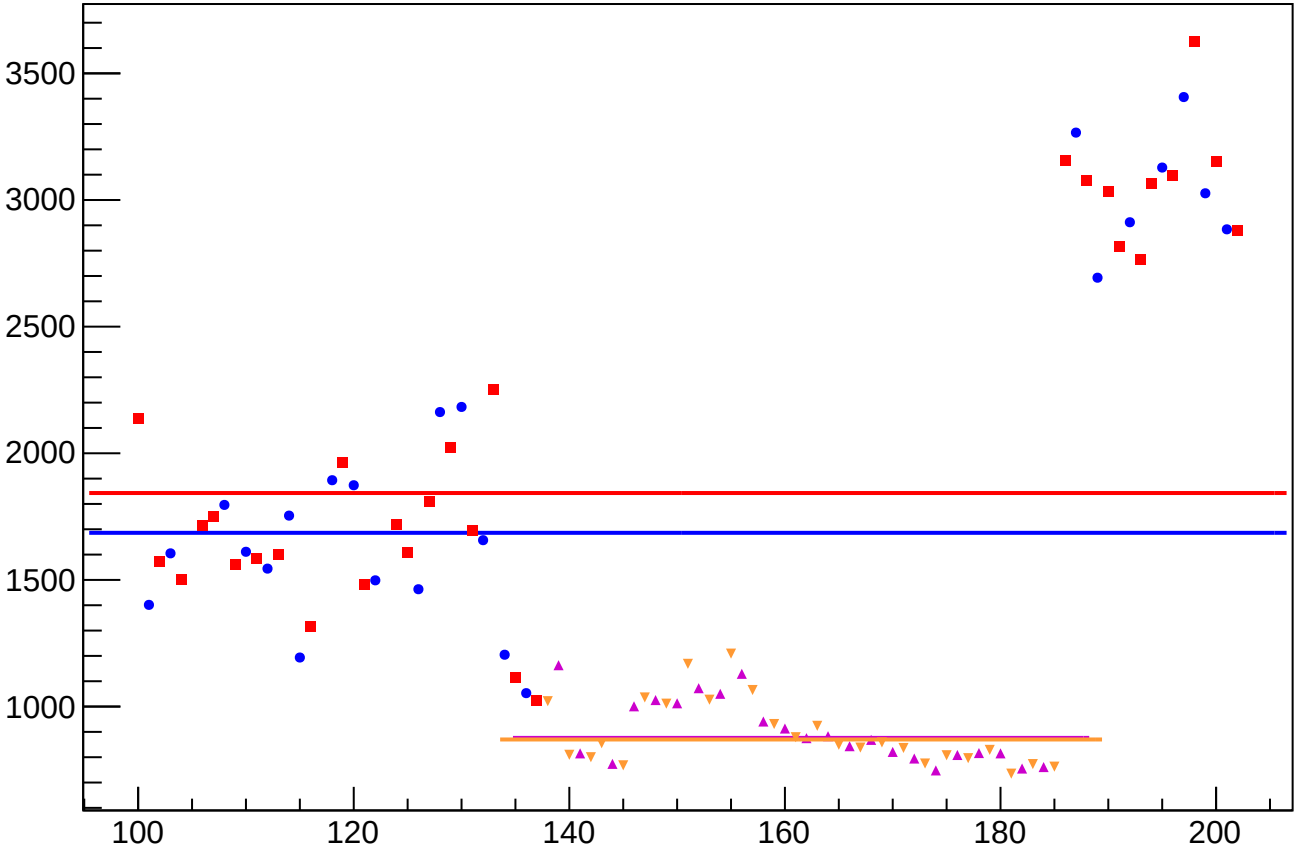
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -855.888+/-186.302 χ^2/NDF: 82.7/47

All: -546.223+/-133.632 χ^2/NDF: 143.3/99

- sign -218.060+/-191.786 χ^2/NDF: 55.0/51

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1685.958+/-0.364 χ^2/NDF: 3024358.5/22

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1843.079+/-0.364 χ^2/NDF: 3349024.7/28

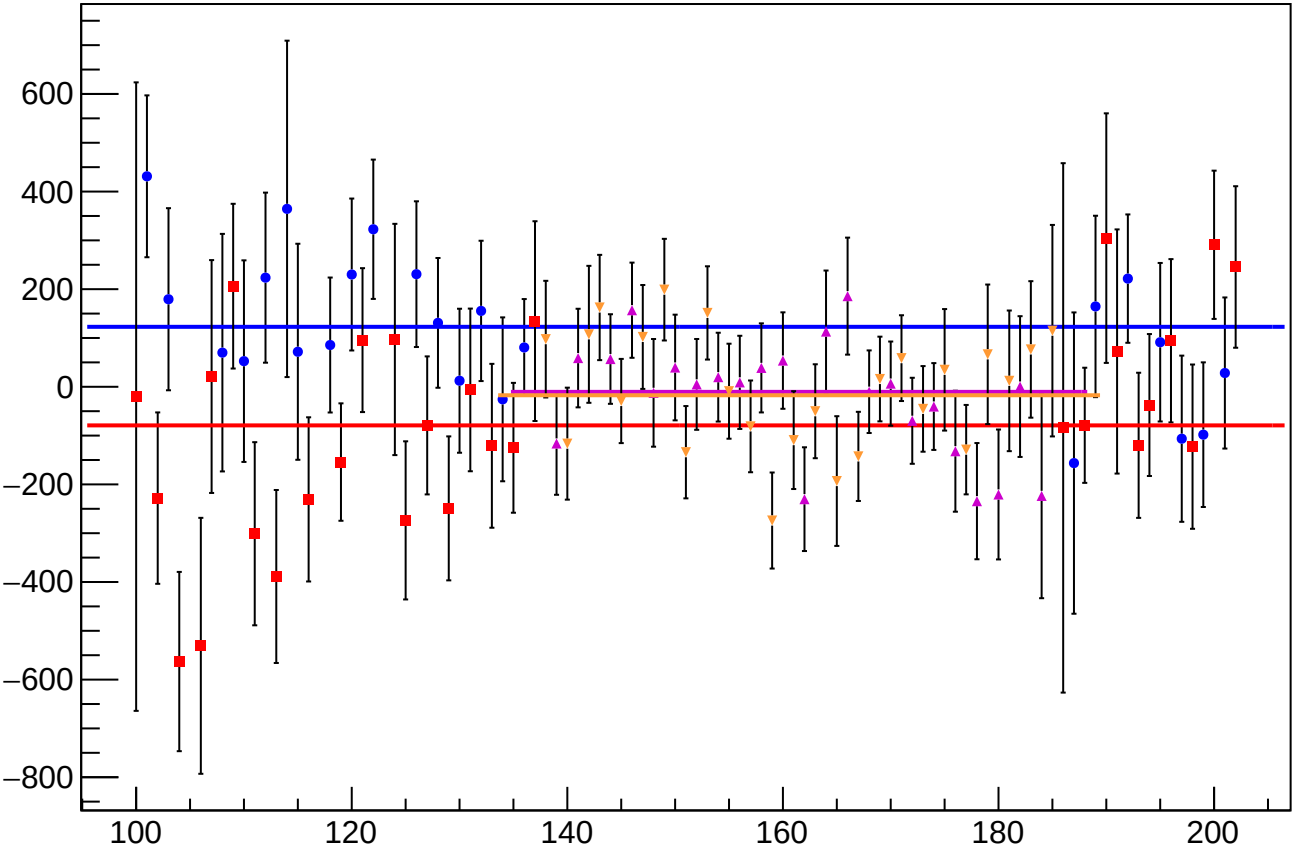
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 976.895+/-0.132 χ^2/NDF: 8038840.2/47

All: 993.247+/-0.094 χ^2/NDF: 18096270.9/99

- sign 1010.575+/-0.136 χ^2/NDF: 10025697.0/51

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 122.866+/-33.340 χ^2/NDF: 15.1/22

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -79.094+/-31.685 χ^2/NDF: 39.2/28

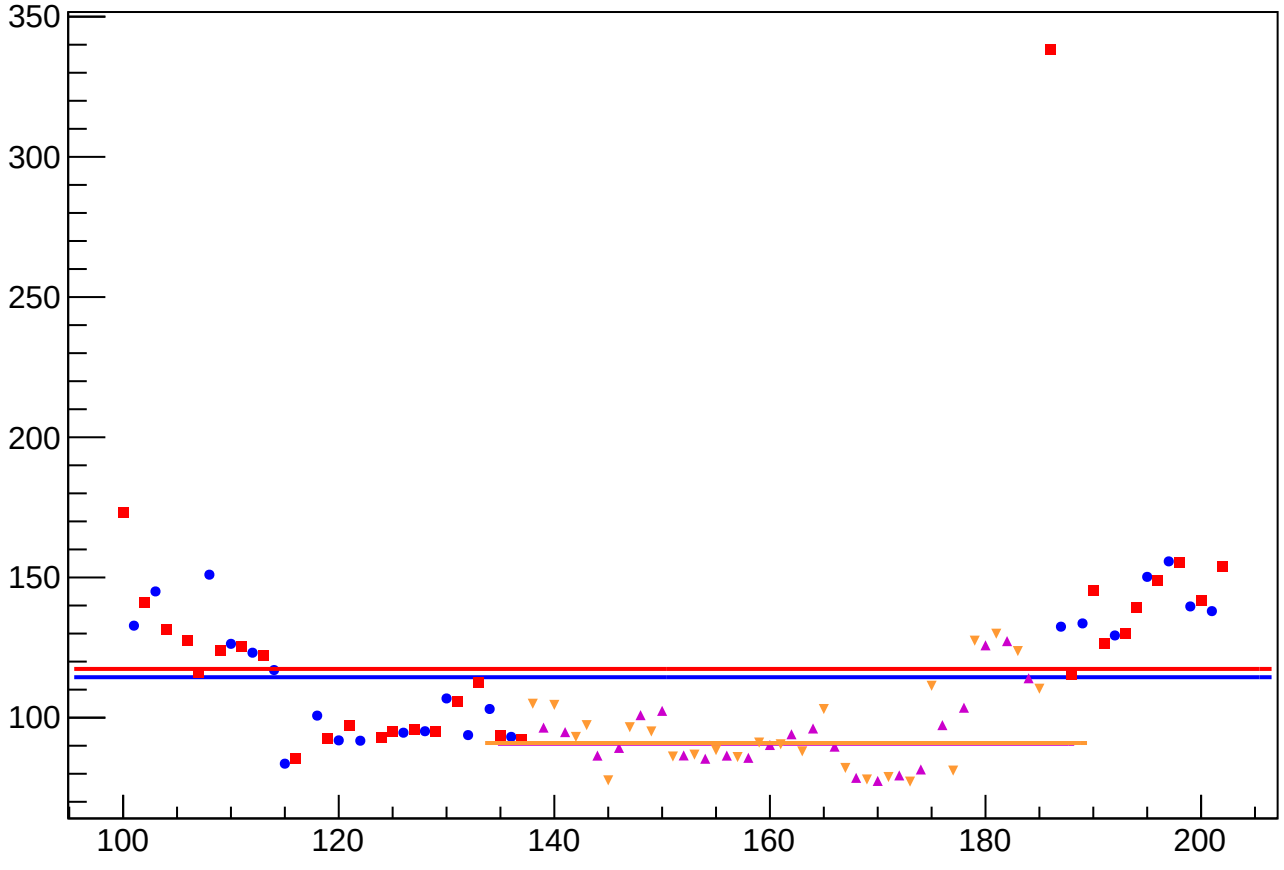
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 22.437+/-17.761 χ^2/NDF: 59.0/47

All: -4.768+/-12.570 χ^2/NDF: 128.7/99

- sign -32.070+/-17.793 χ^2/NDF: 65.1/51

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 114.431+/-0.024 χ^2/NDF: 883674.2/22

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

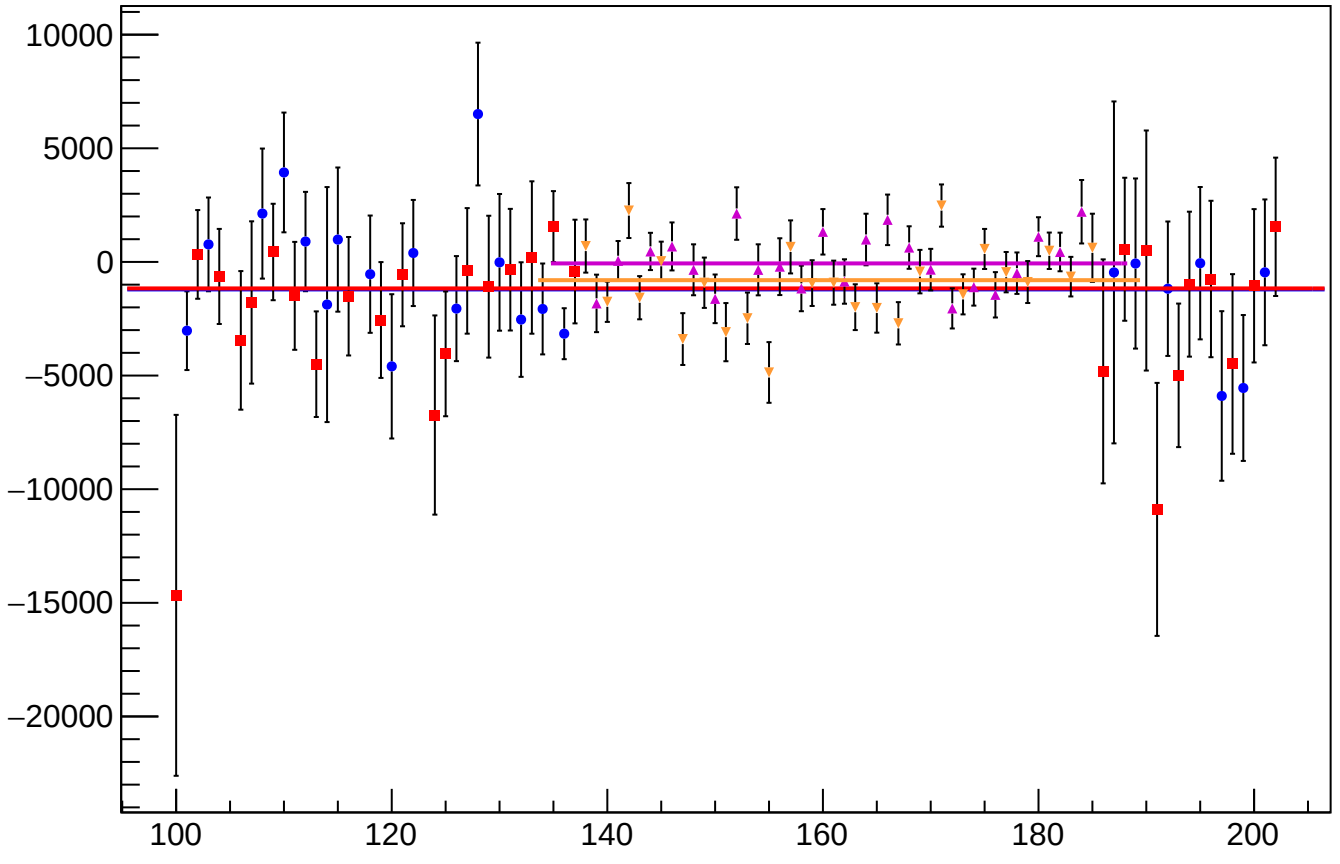
Right Out: 117.385+/-0.022 χ^2/NDF: 1265338.3/28

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 97.626+/-0.013 χ^2/NDF: 2377706.5/47

All: 98.366+/-0.009 χ^2/NDF: 5167979.3/99

- sign 99.108+/-0.013 χ^2/NDF: 2783319.2/51



Right In: -1209.836+/-514.738 χ^2/NDF: 23.8/22

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

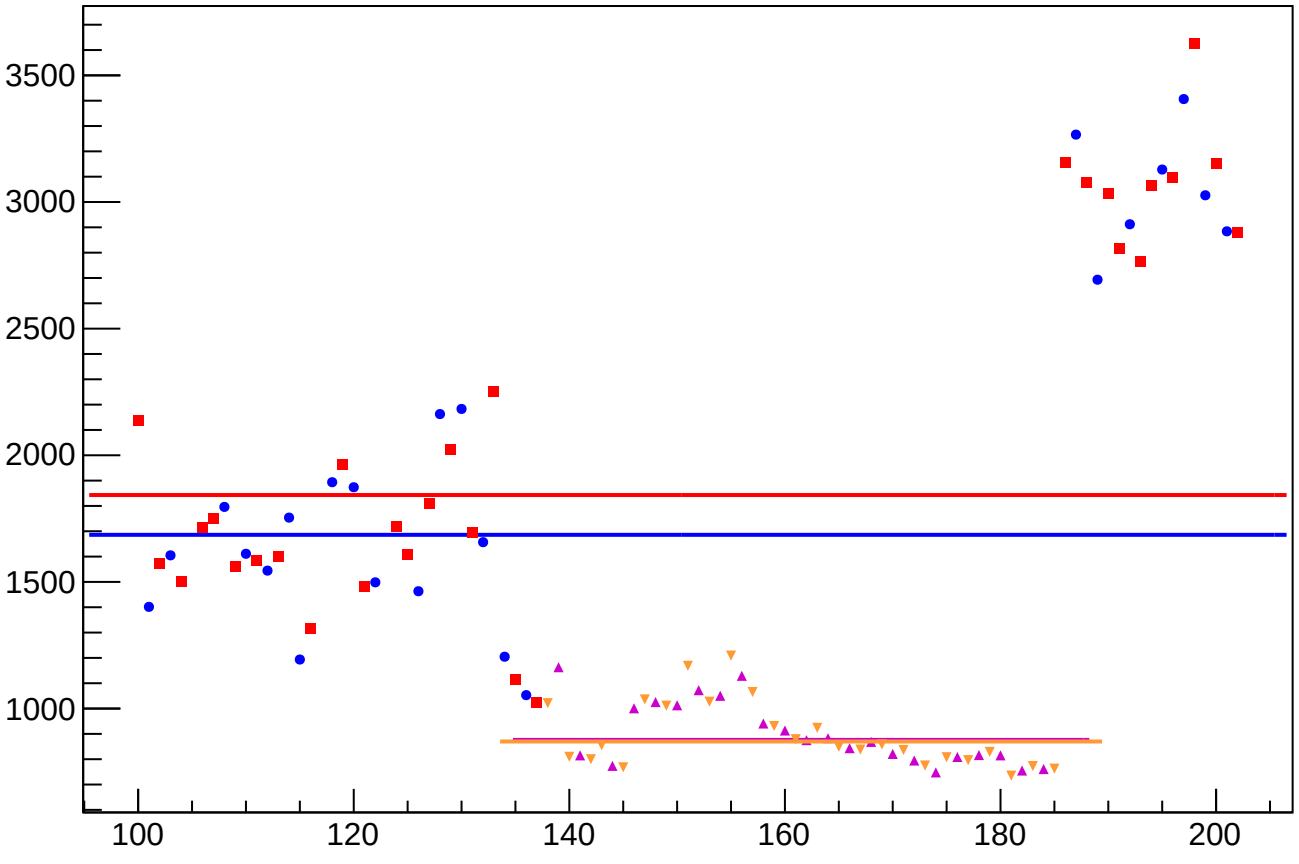
Right Out: -1165.488+/-514.569 χ^2/NDF: 20.4/28

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -855.887+/-186.302 χ^2/NDF: 82.7/47

All: -546.223+/-133.632 χ^2/NDF: 143.3/99

- sign -218.060+/-191.785 χ^2/NDF: 55.0/51



Right In: 1685.955+/-0.364 χ^2/NDF: 3024361.1/22

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1843.075+/-0.364 χ^2/NDF: 3349033.8/28

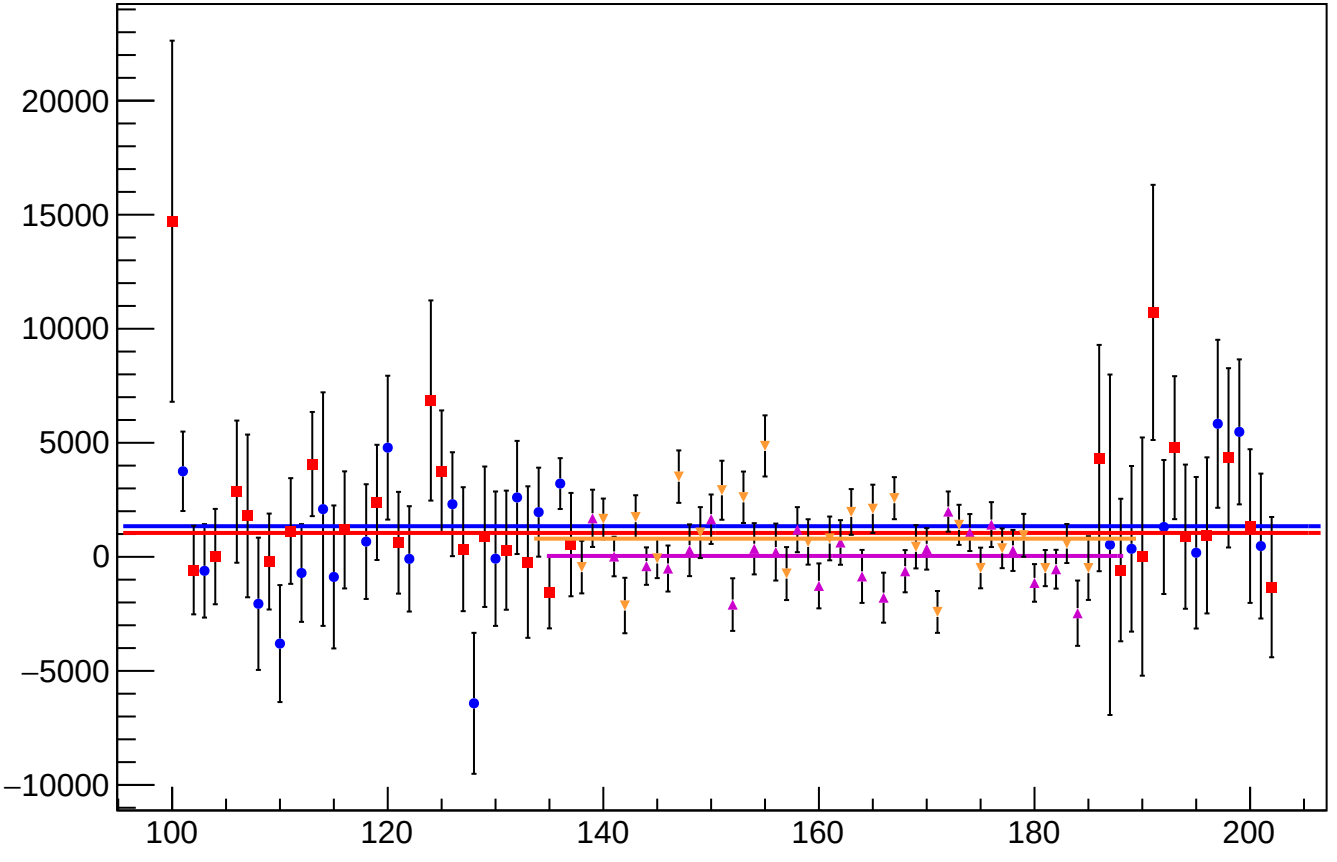
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 976.894+/-0.132 χ^2/NDF: 8038834.1/47

All: 993.246+/-0.094 χ^2/NDF: 18096260.8/99

- sign 1010.574+/-0.136 χ^2/NDF: 10025693.4/51

asym_sam_24_68_dd_mean vs Slug



Right In: 1343.217+/-509.166 χ^2/NDF: 24.7/22

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1048.322+/-510.888 χ^2/NDF: 19.1/28

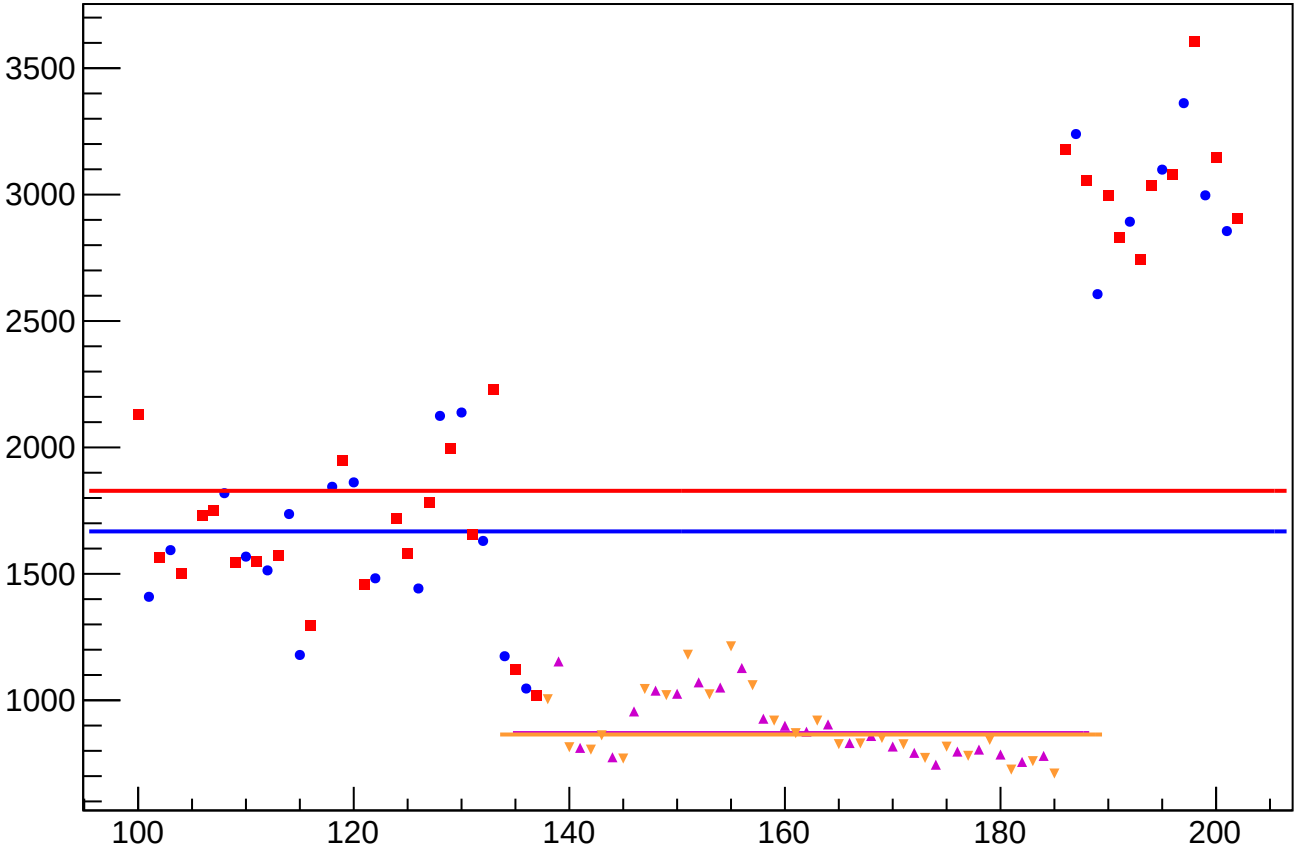
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 868.636+/-185.187 χ^2/NDF: 82.9/47

All: 534.130+/-132.797 χ^2/NDF: 141.7/99

- sign 180.028+/-190.534 χ^2/NDF: 52.1/51

asym_sam_24_68_dd_rms vs Slug



Right In: 1667.880+/-0.360 χ^2/NDF: 3002542.3/22

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

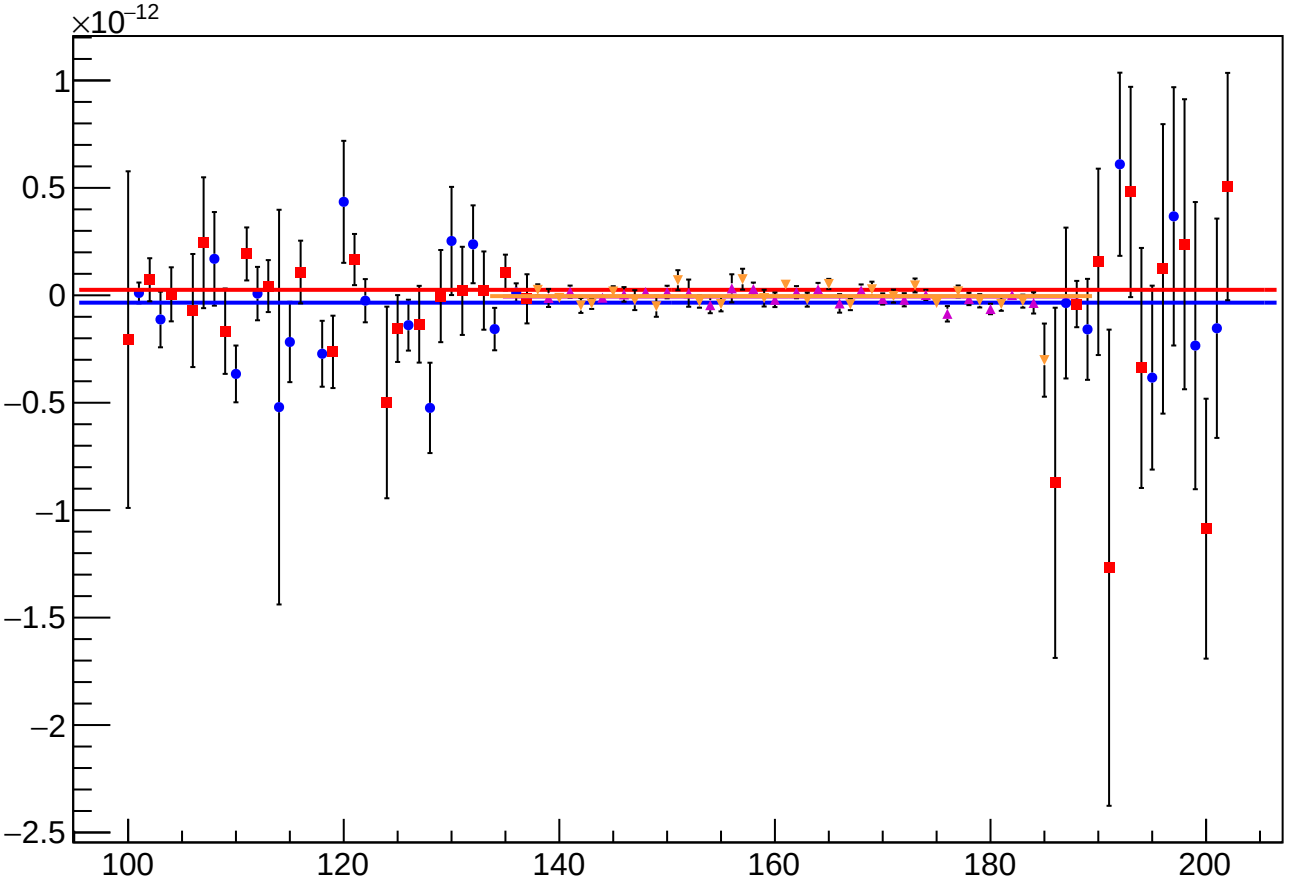
Right Out: 1828.385+/-0.361 χ^2/NDF: 3364463.3/28

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 970.891+/-0.131 χ^2/NDF: 8010492.3/47

All: 986.780+/-0.094 χ^2/NDF: 18064629.9/99

- sign 1003.599+/-0.135 χ^2/NDF: 10023830.6/51



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

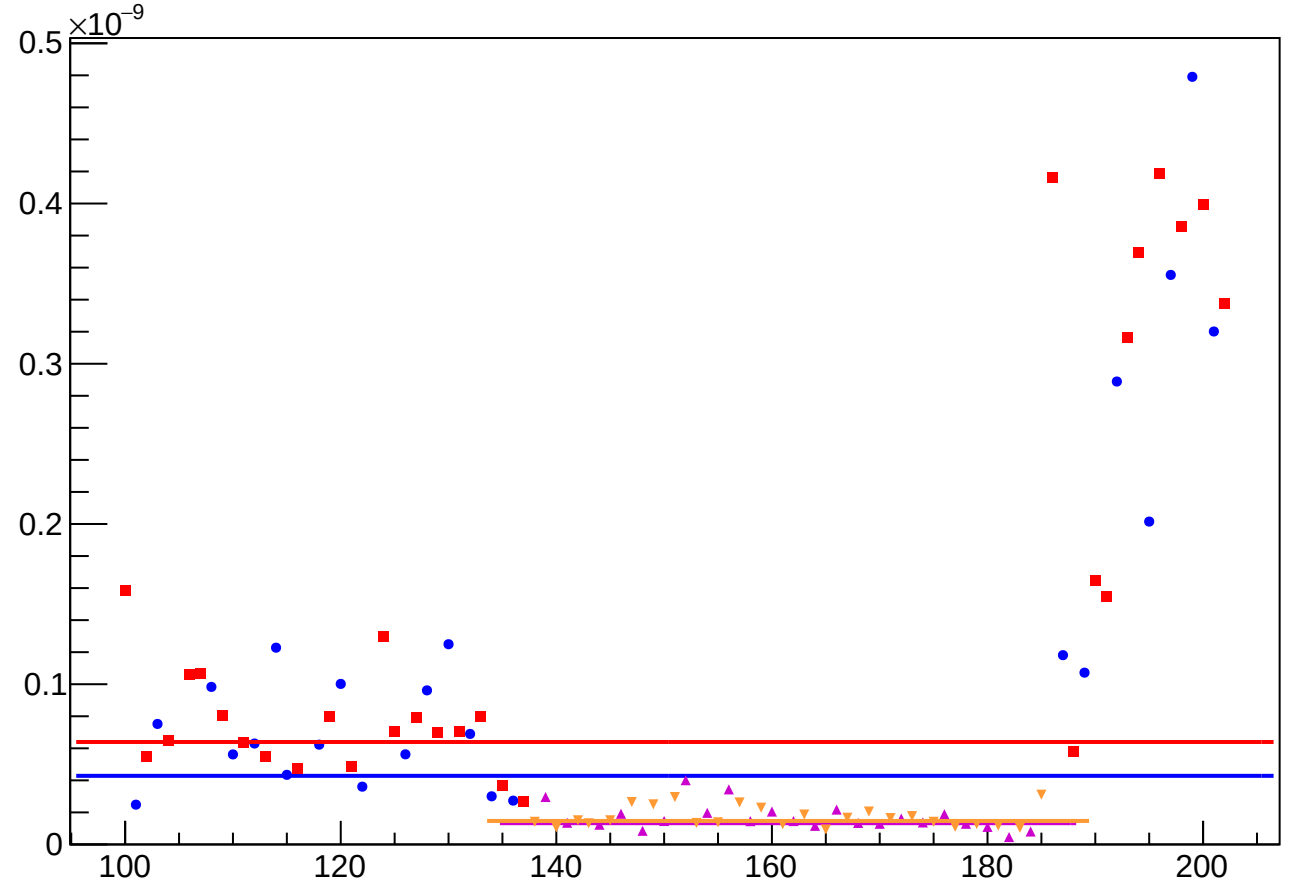
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/28

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.4/47

All: -0.000+/-0.000 χ^2/NDF: 114.7/99

- sign -0.000+/-0.000 χ^2/NDF: 43.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 4609421.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4535404.0/28

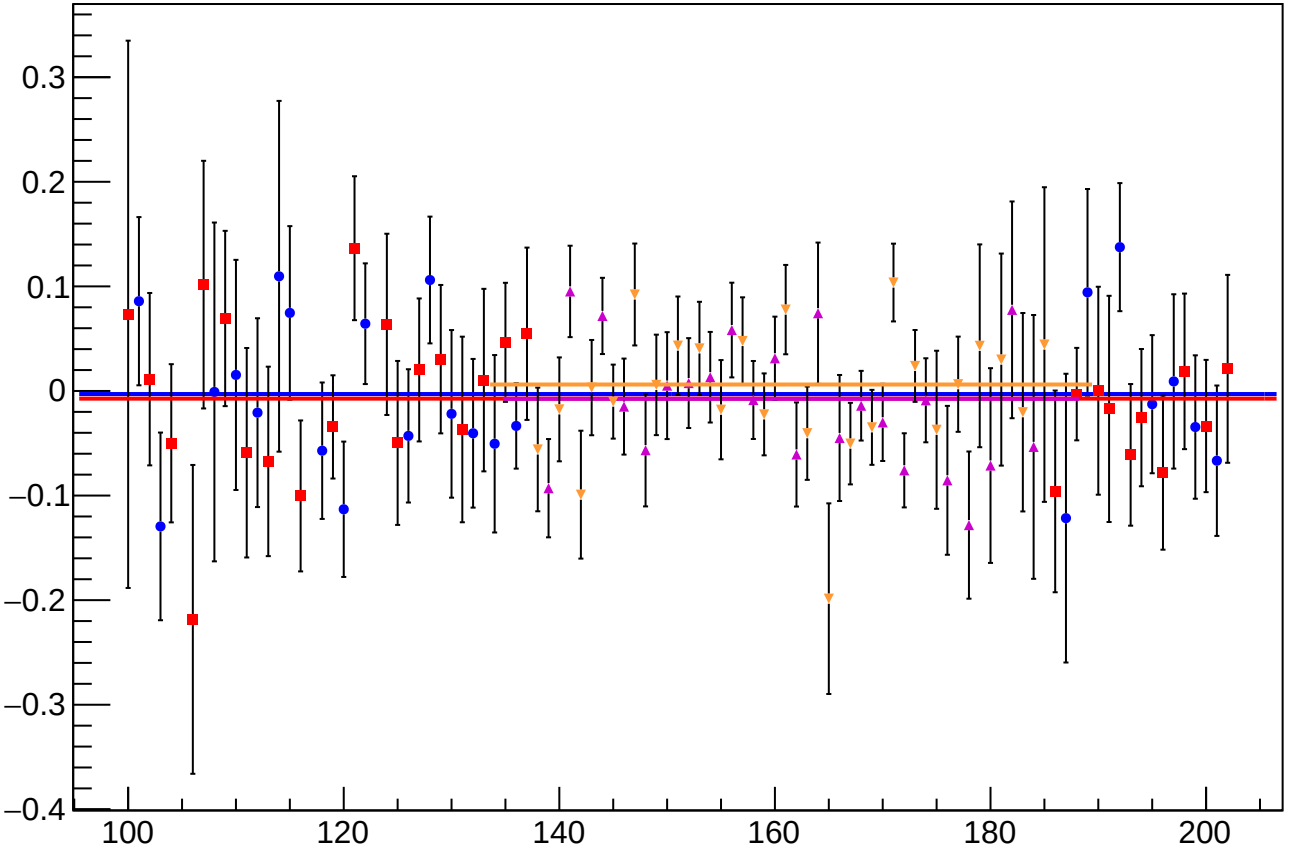
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8140066.6/47

All: 0.000+/-0.000 χ^2/NDF: 19588501.0/99

- sign 0.000+/-0.000 χ^2/NDF: 11404545.8/51

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.015 χ^2/NDF: 22.4/22

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.007+/-0.014 χ^2/NDF: 17.1/28

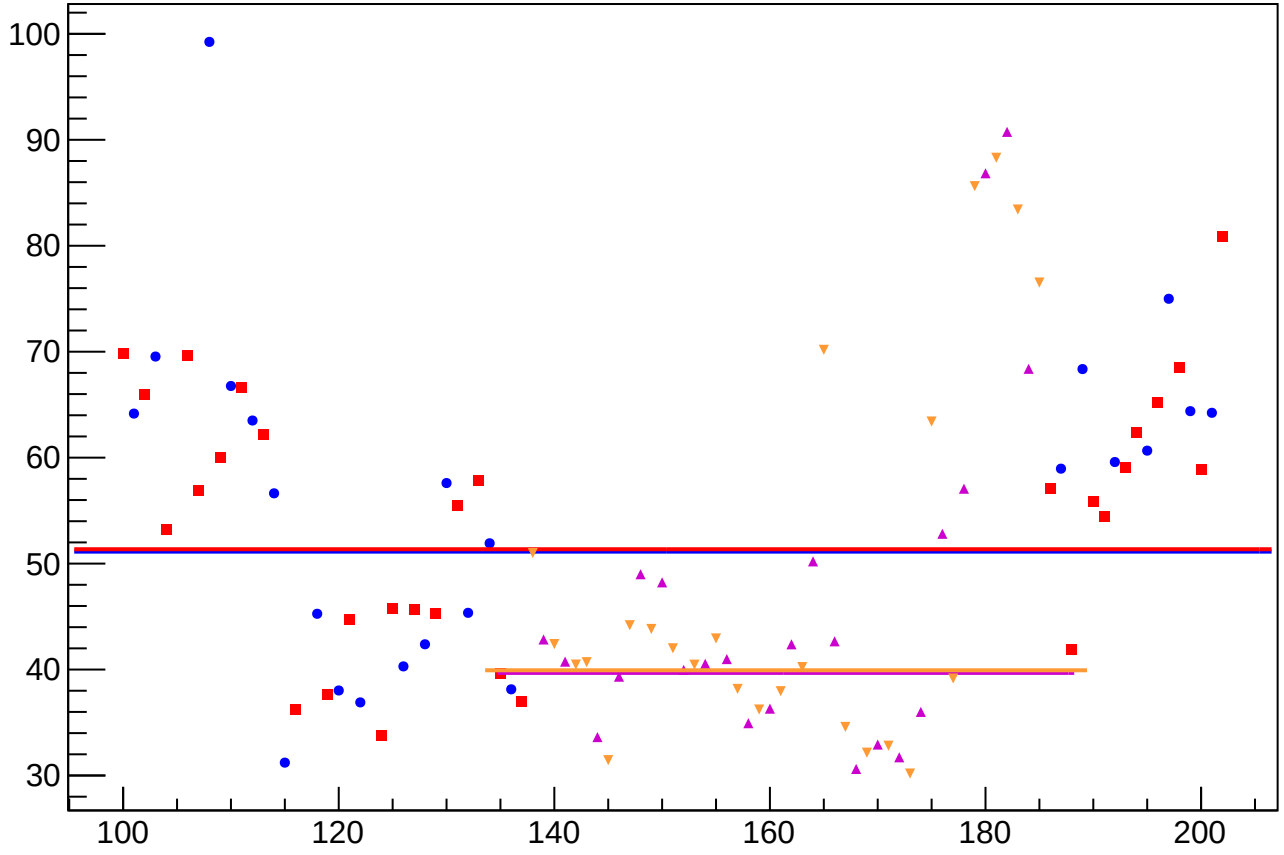
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 53.5/47

All: -0.002+/-0.006 χ^2/NDF: 102.0/99

- sign -0.007+/-0.008 χ^2/NDF: 47.6/51

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 51.130+/-0.011 χ^2/NDF: 1509363.6/22

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

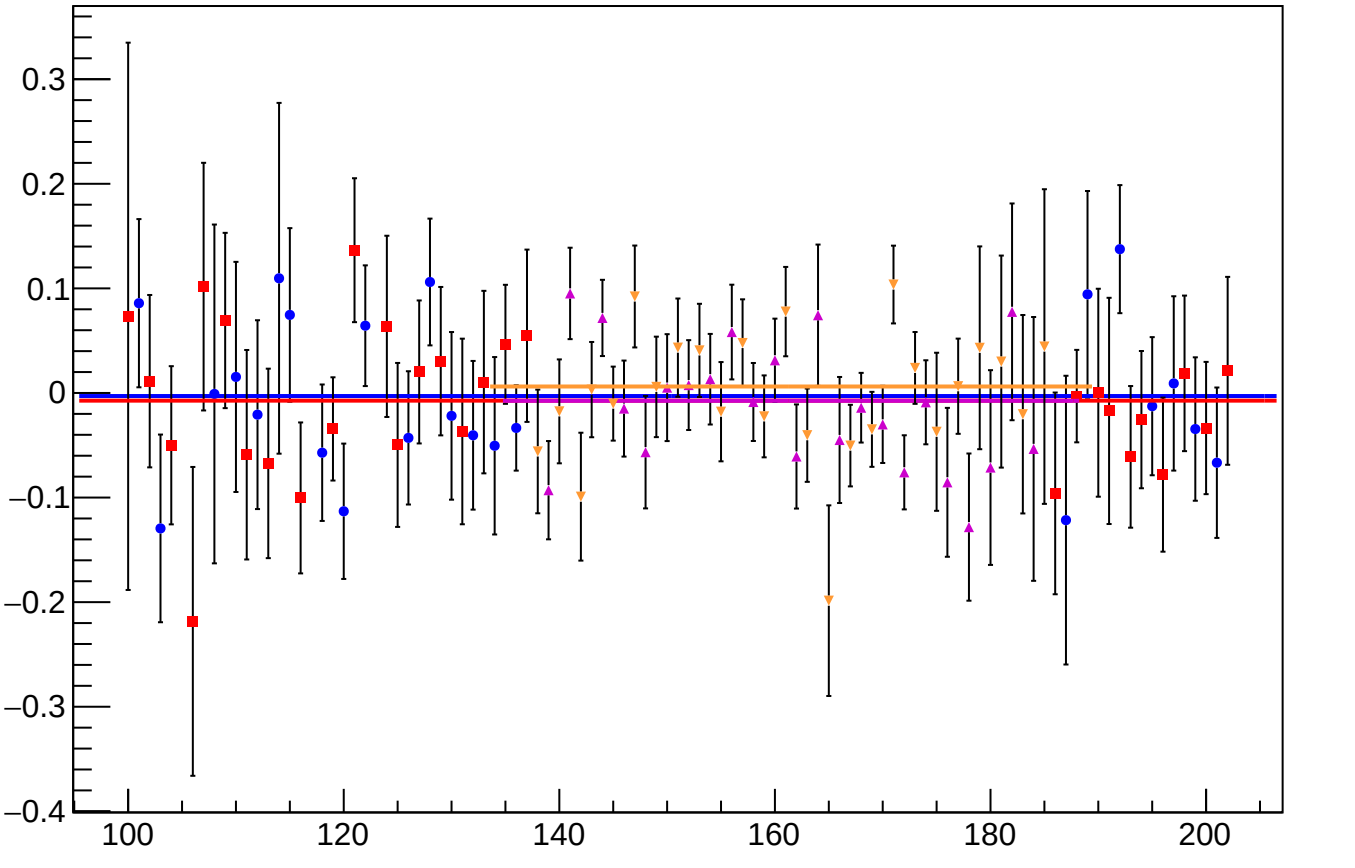
Right Out: 51.356+/-0.010 χ^2/NDF: 1355048.6/28

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.090+/-0.006 χ^2/NDF: 4757467.5/47

All: 43.289+/-0.004 χ^2/NDF: 8958674.7/99

- sign 43.484+/-0.006 χ^2/NDF: 4198821.9/51



Right In: -0.003+/-0.015 χ^2/NDF: 22.4/22

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

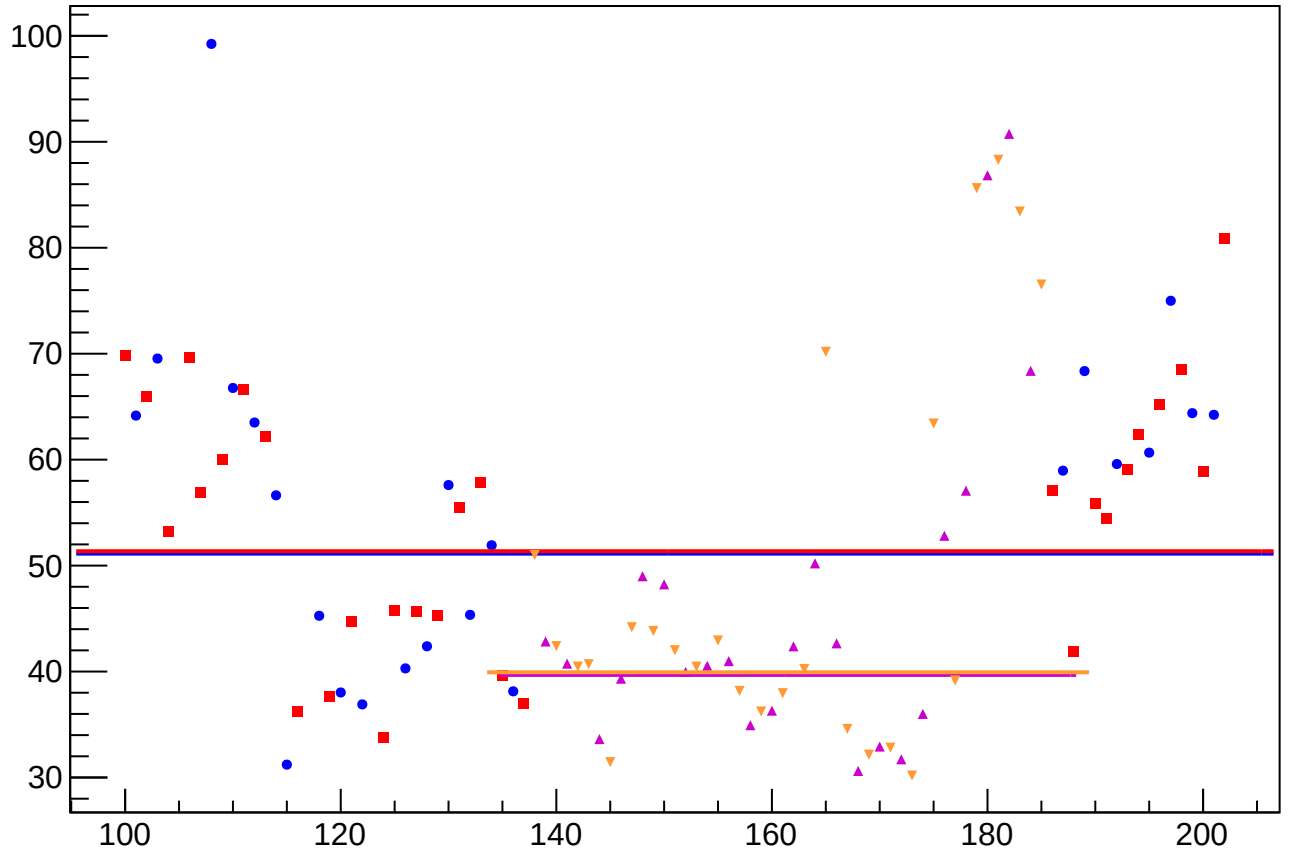
Right Out: -0.007+/-0.014 χ^2/NDF: 17.1/28

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 53.5/47

All: -0.002+/-0.006 χ^2/NDF: 102.0/99

- sign -0.007+/-0.008 χ^2/NDF: 47.6/51



Right In: 51.130+/-0.011 χ^2/NDF: 1509363.6/22

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

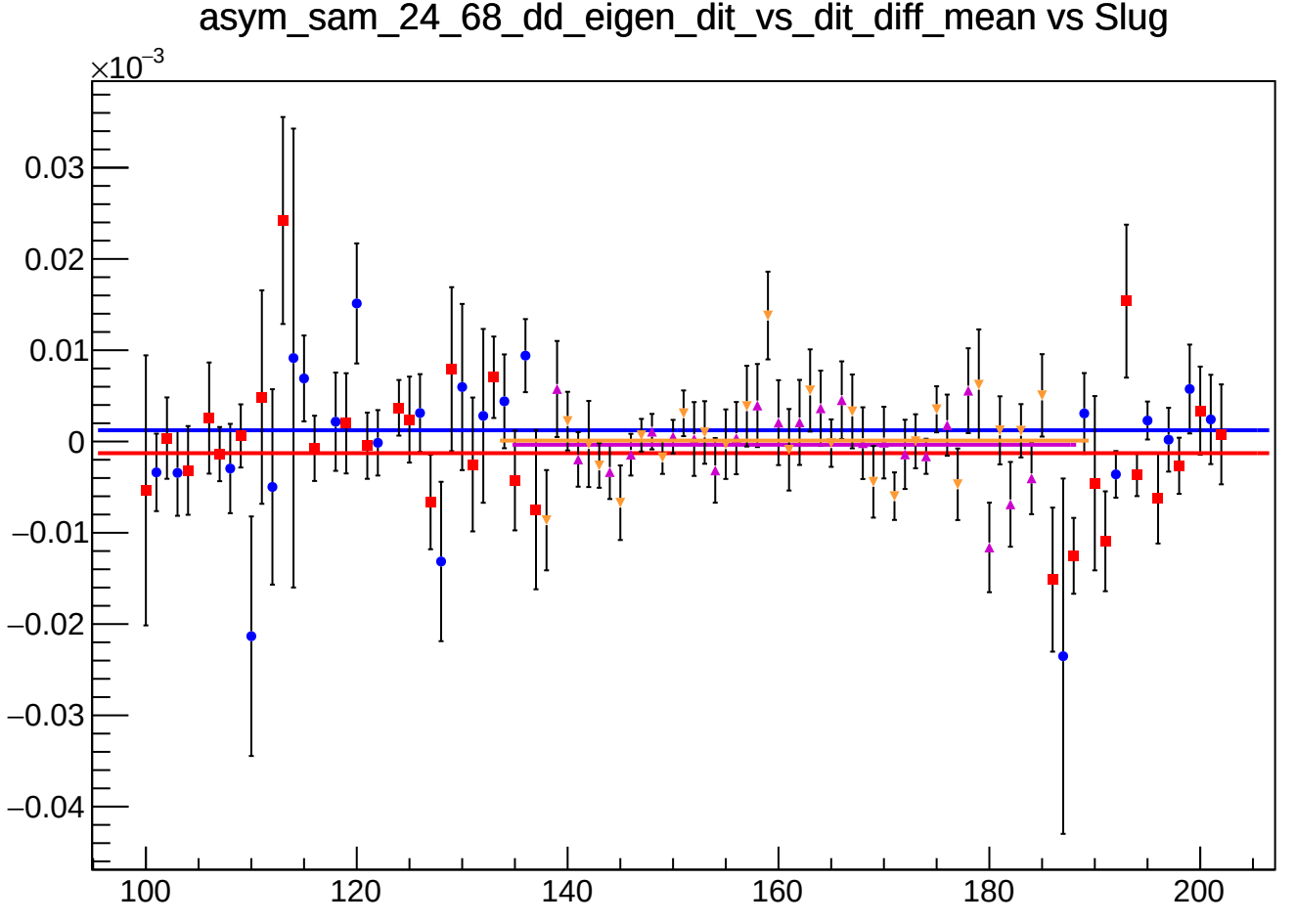
Right Out: 51.356+/-0.010 χ^2/NDF: 1355048.6/28

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.090+/-0.006 χ^2/NDF: 4757467.5/47

All: 43.289+/-0.004 χ^2/NDF: 8958674.7/99

- sign 43.484+/-0.006 χ^2/NDF: 4198821.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

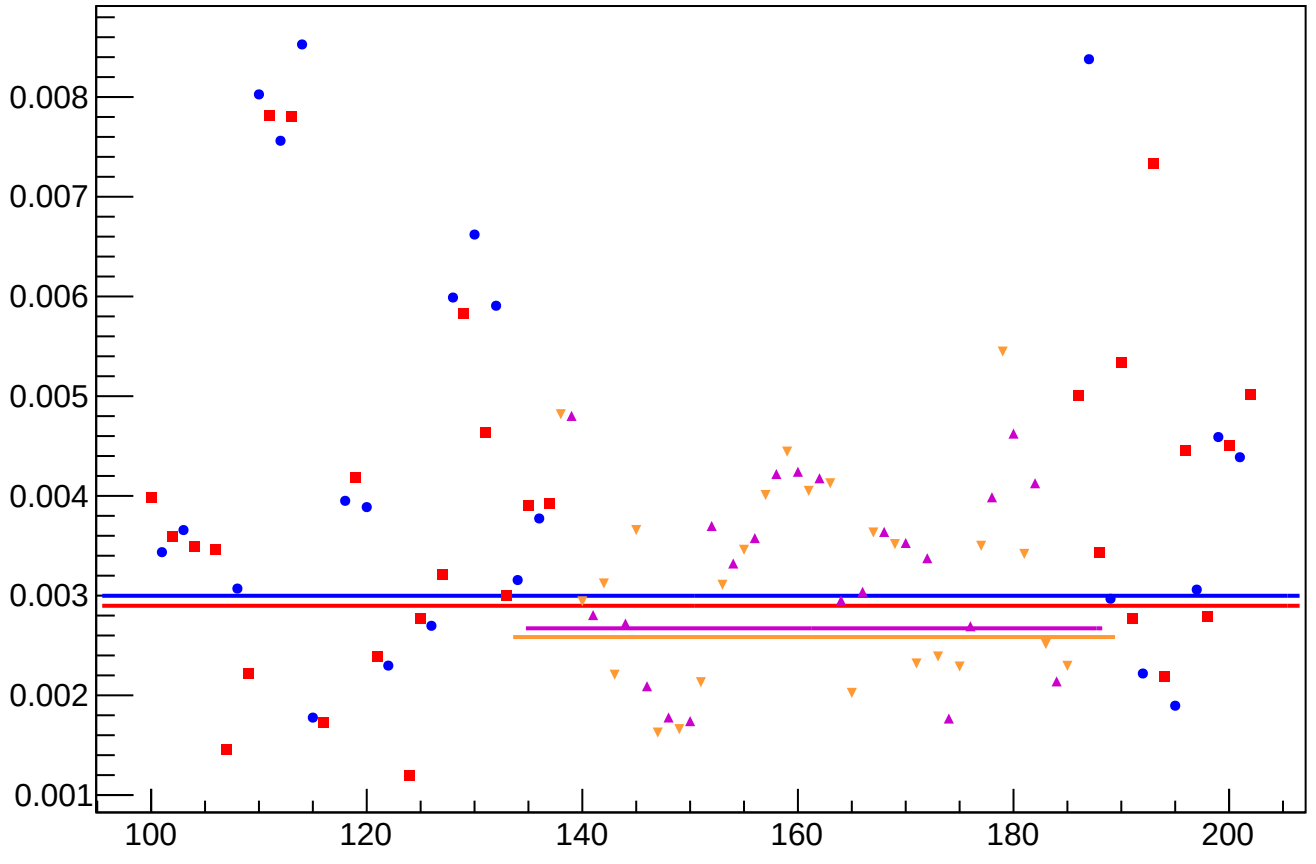
Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/28

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.0/47

All: -0.000+/-0.000 χ^2/NDF: 120.3/99

- sign -0.000+/-0.000 χ^2/NDF: 56.9/51



Right In: 0.003+/-0.000 χ^2/NDF: 3227664.6/22

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

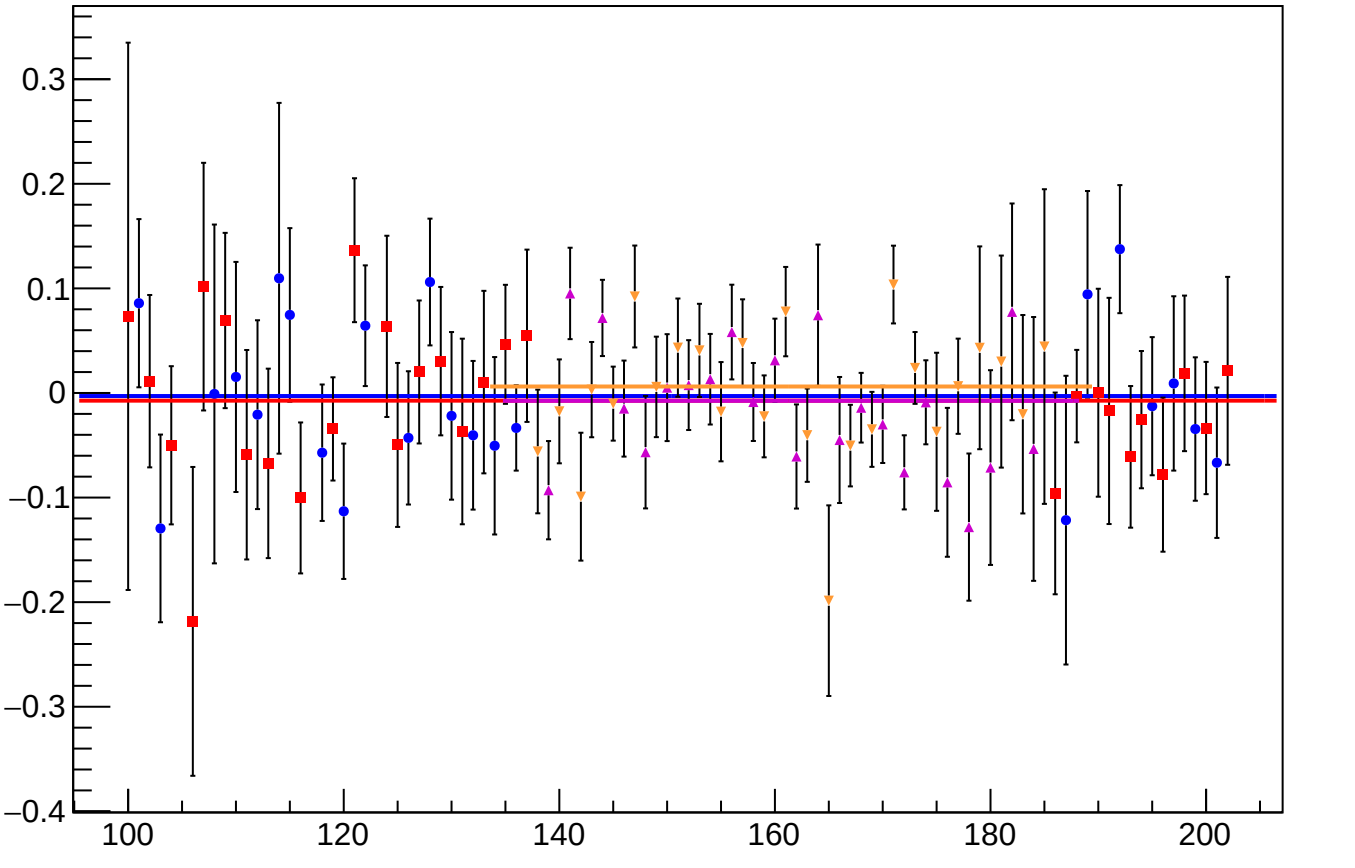
Right Out: 0.003+/-0.000 χ^2/NDF: 4579638.5/28

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 7389457.1/47

All: 0.003+/-0.000 χ^2/NDF: 15889954.2/99

- sign 0.003+/-0.000 χ^2/NDF: 8492597.6/51



Right In: -0.003+/-0.015 χ^2/NDF: 22.4/22

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

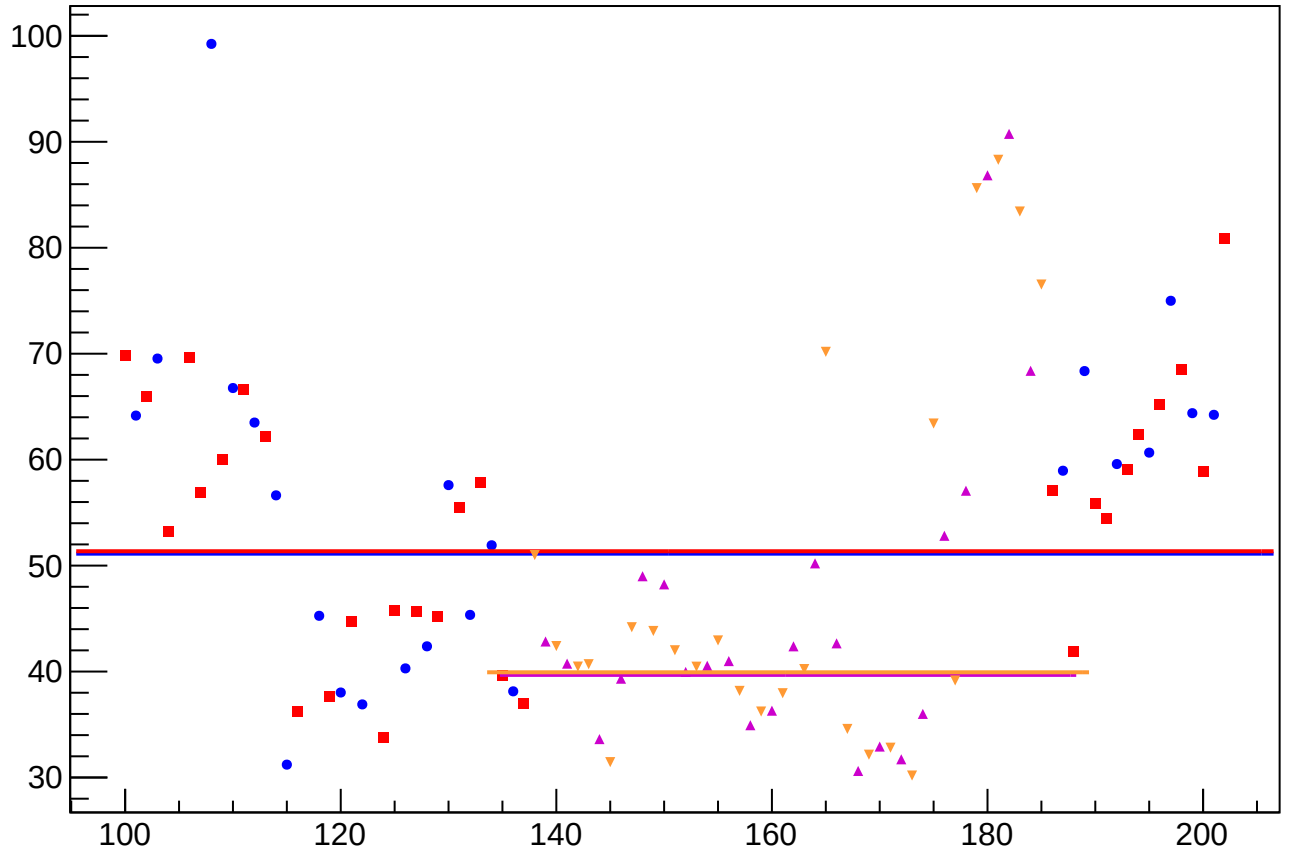
Right Out: -0.007+/-0.014 χ^2/NDF: 17.1/28

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 53.5/47

All: -0.002+/-0.006 χ^2/NDF: 102.0/99

- sign -0.007+/-0.008 χ^2/NDF: 47.6/51



Right In: 51.129+/-0.011 χ^2/NDF: 1509414.8/22

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

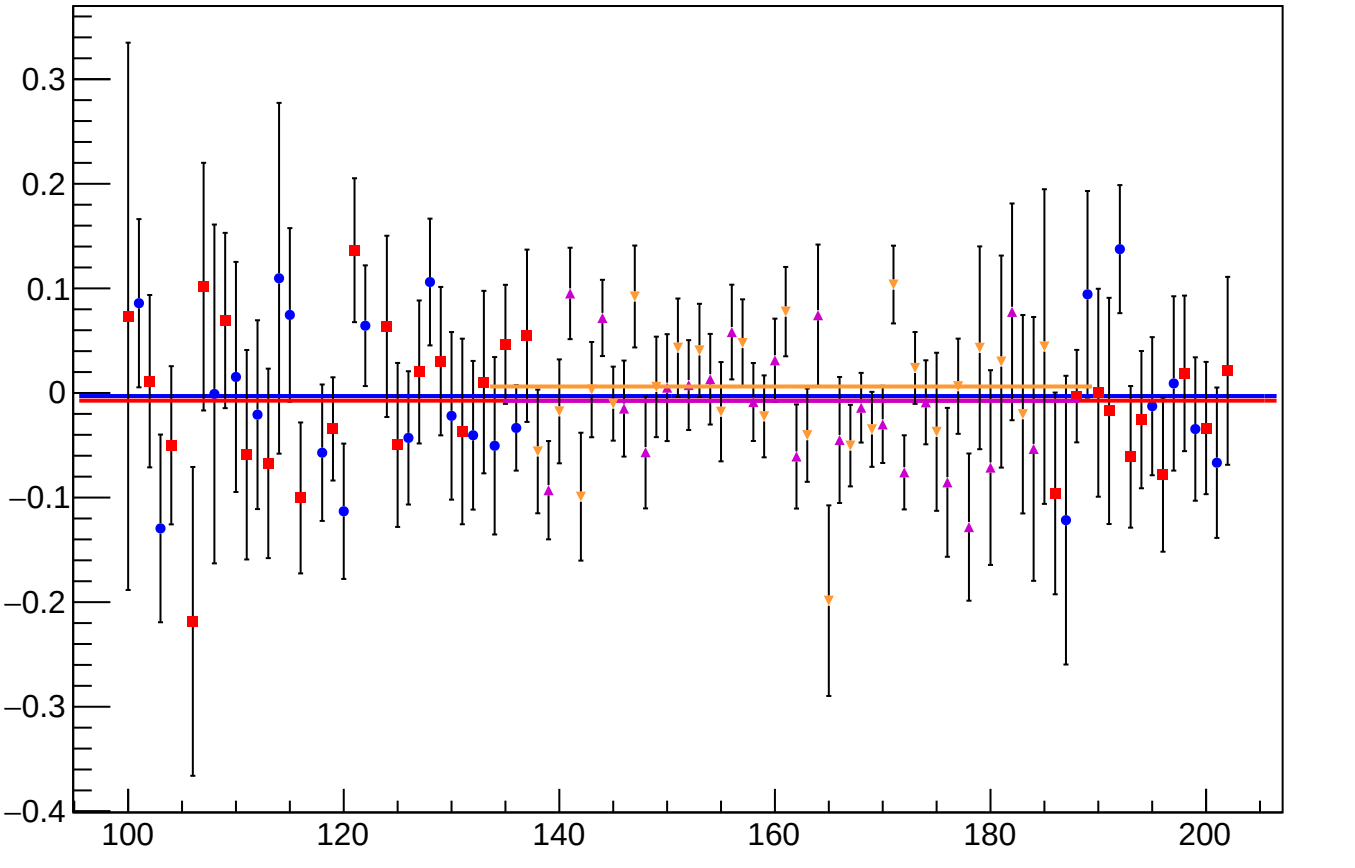
Right Out: 51.355+/-0.010 χ^2/NDF: 1355087.2/28

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.090+/-0.006 χ^2/NDF: 4757372.7/47

All: 43.289+/-0.004 χ^2/NDF: 8958574.6/99

- sign 43.484+/-0.006 χ^2/NDF: 4198817.8/51



Right In: -0.003+/-0.015 χ^2/NDF: 22.4/22

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

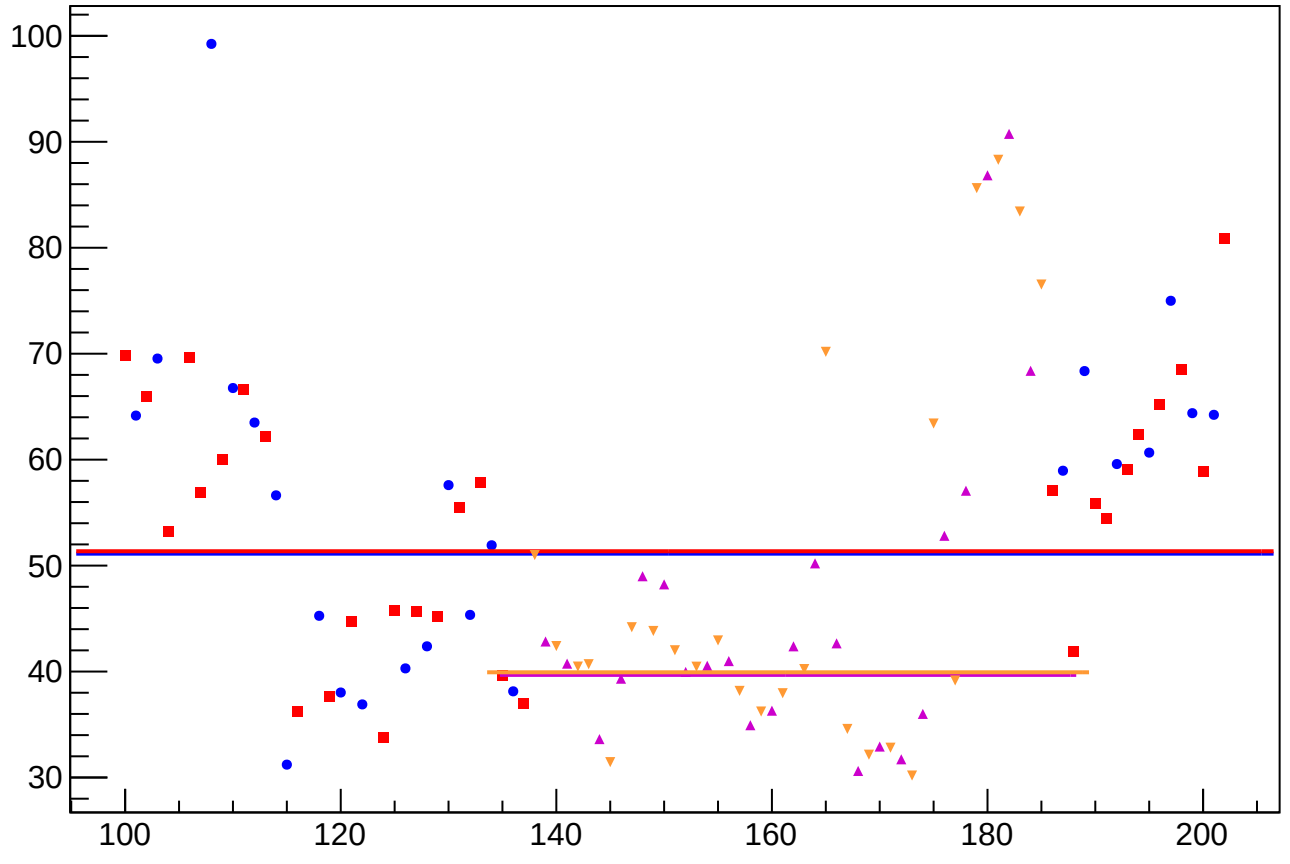
Right Out: -0.007+/-0.014 χ^2/NDF: 17.1/28

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 53.5/47

All: -0.002+/-0.006 χ^2/NDF: 102.0/99

- sign -0.007+/-0.008 χ^2/NDF: 47.6/51



Right In: 51.129+/-0.011 χ^2/NDF: 1509414.8/22

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

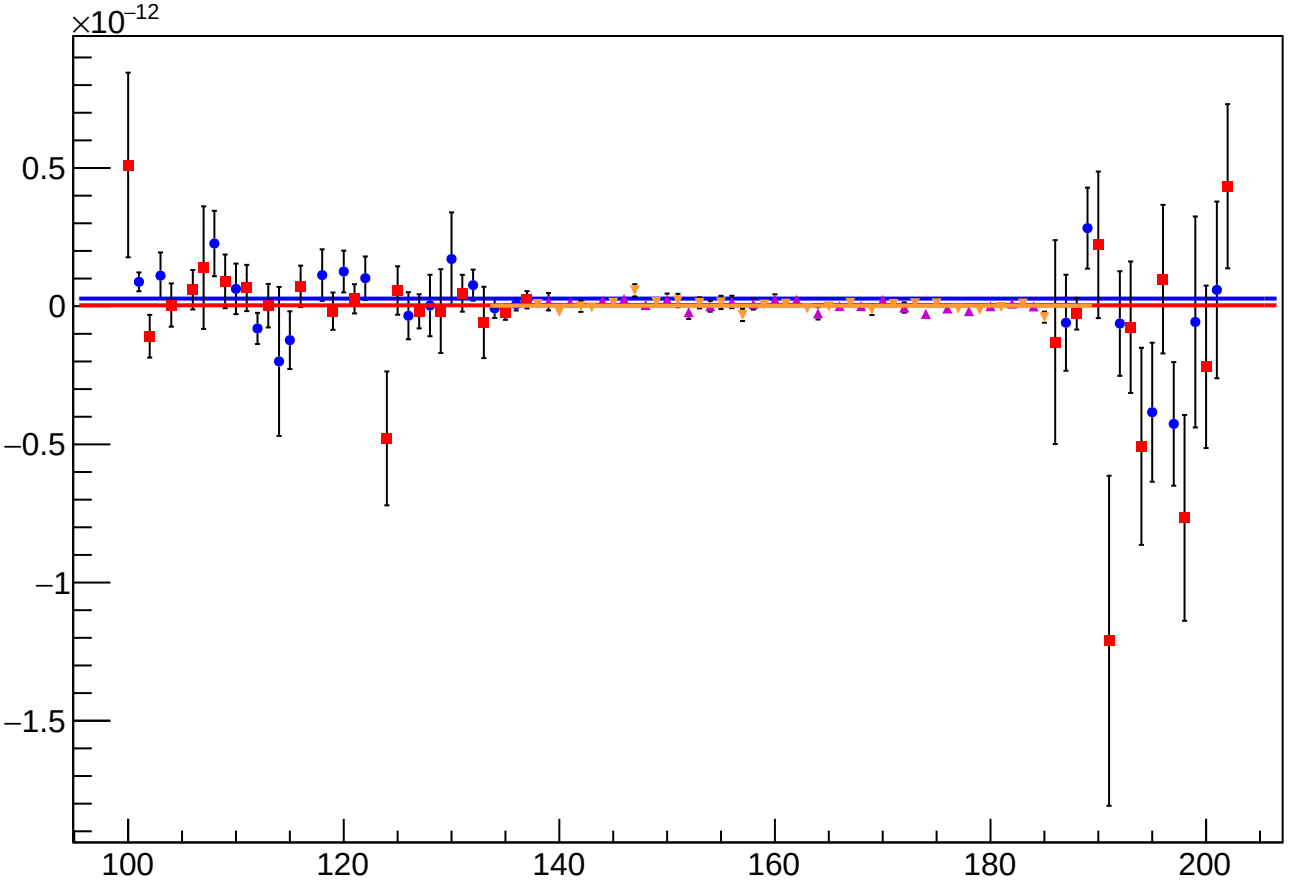
Right Out: 51.355+/-0.010 χ^2/NDF: 1355087.2/28

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.090+/-0.006 χ^2/NDF: 4757372.7/47

All: 43.289+/-0.004 χ^2/NDF: 8958574.6/99

- sign 43.484+/-0.006 χ^2/NDF: 4198817.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

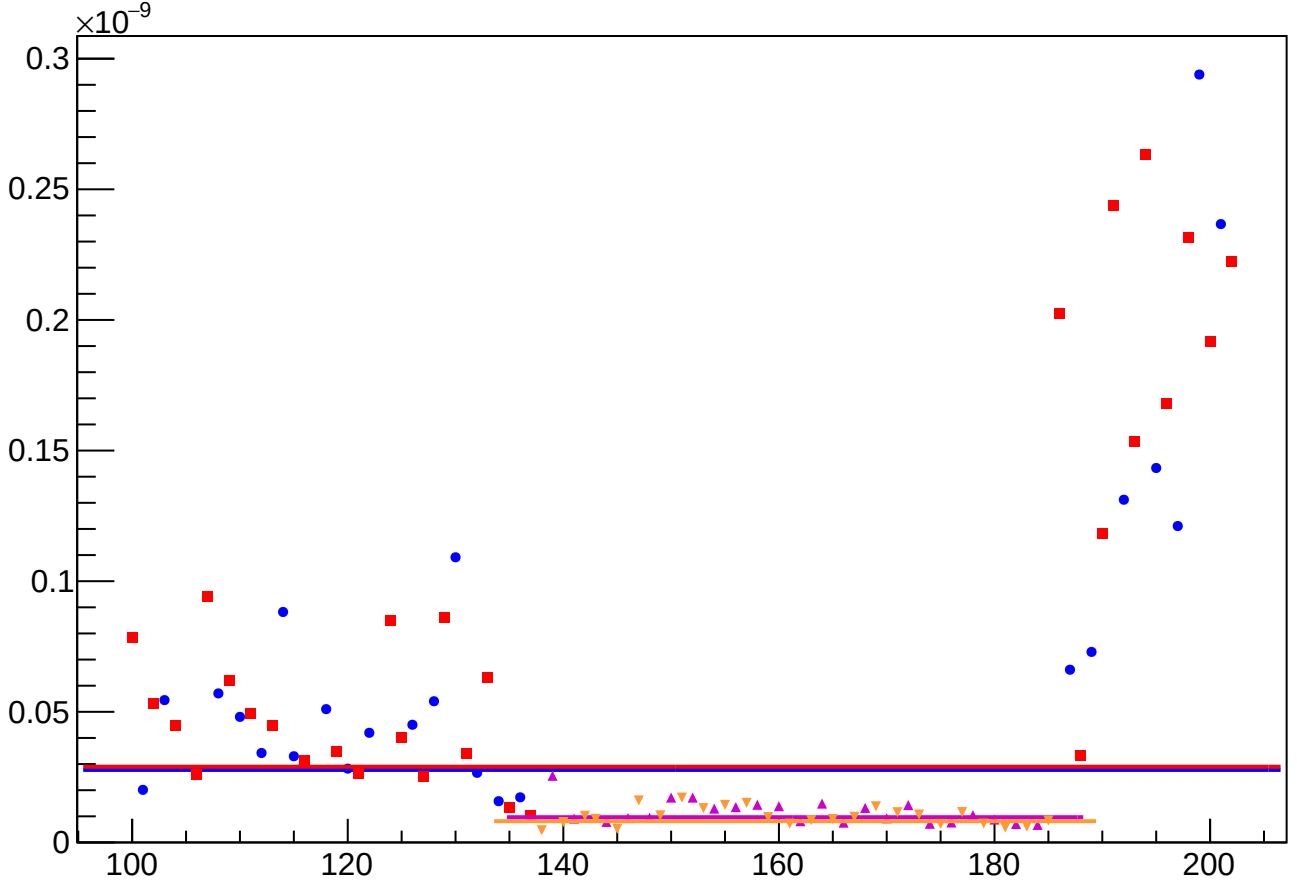
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/28

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.8/47

All: 0.000+/-0.000 χ^2/NDF: 119.2/99

- sign 0.000+/-0.000 χ^2/NDF: 56.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 5669067.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7836080.4/28

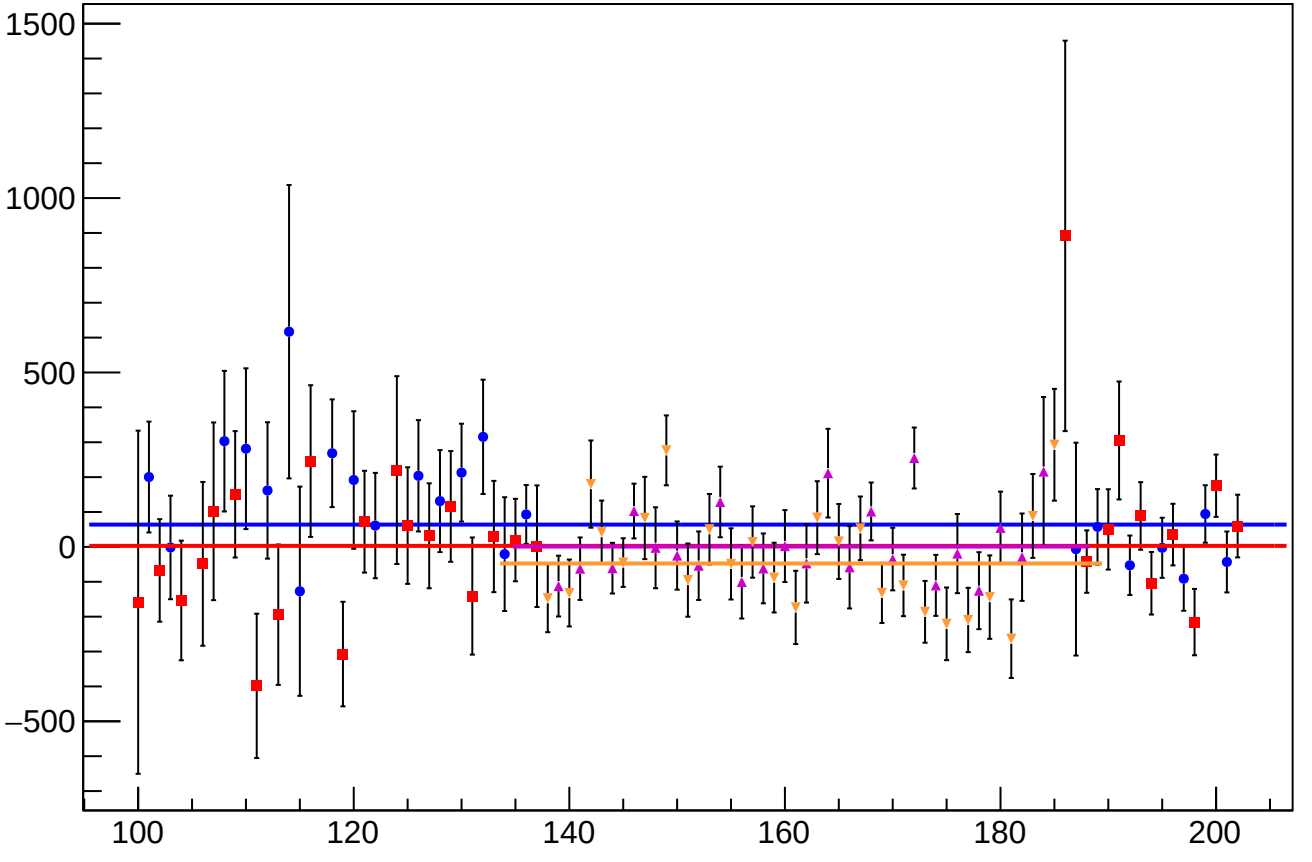
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12205777.5/47

All: 0.000+/-0.000 χ^2/NDF: 26270953.9/99

- sign 0.000+/-0.000 χ^2/NDF: 13683375.0/51

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 63.907+/-26.724 χ^2/NDF: 19.7/22

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 2.906+/-25.164 χ^2/NDF: 32.5/28

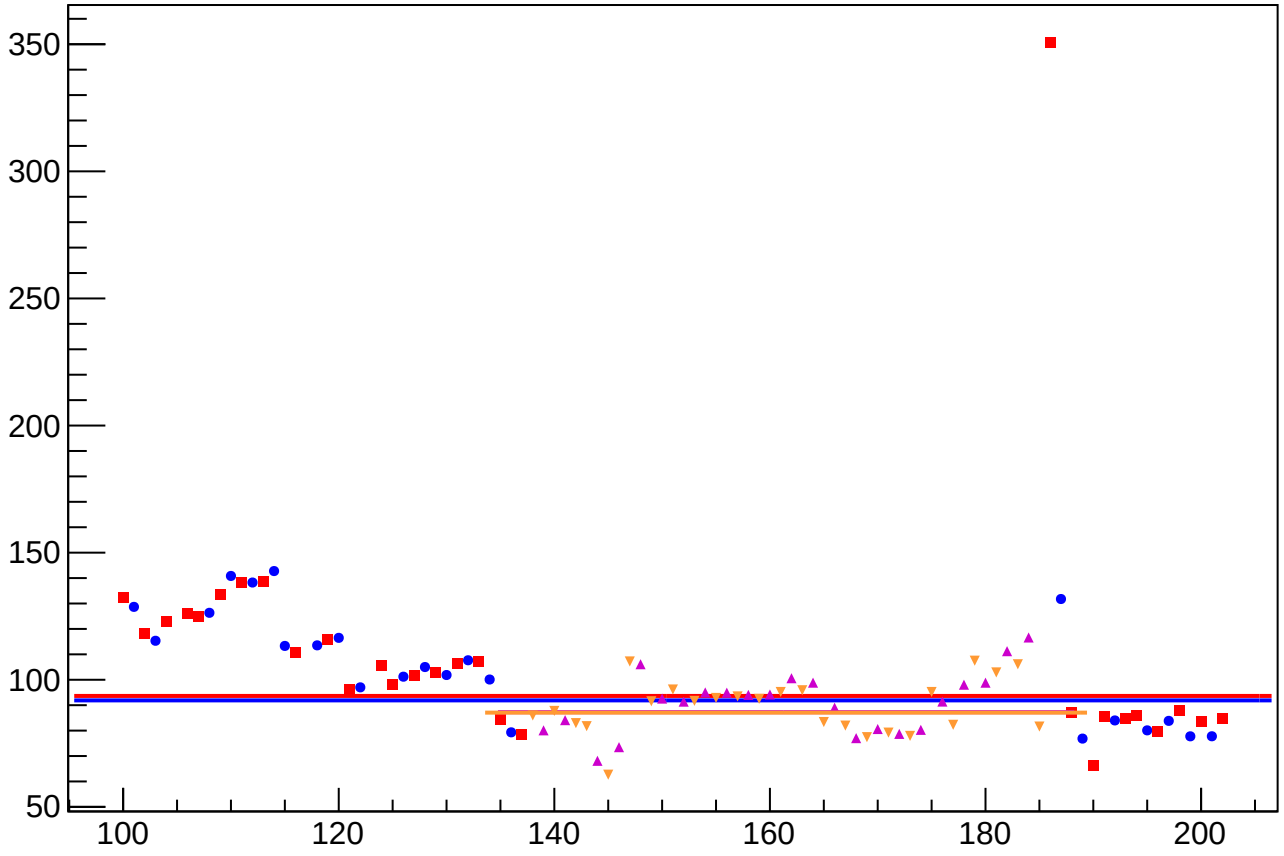
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.563+/-16.004 χ^2/NDF: 74.8/47

All: -2.885+/-11.294 χ^2/NDF: 132.9/99

- sign 1.756+/-15.942 χ^2/NDF: 58.0/51

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 91.889+/-0.019 χ^2/NDF: 885449.8/22

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

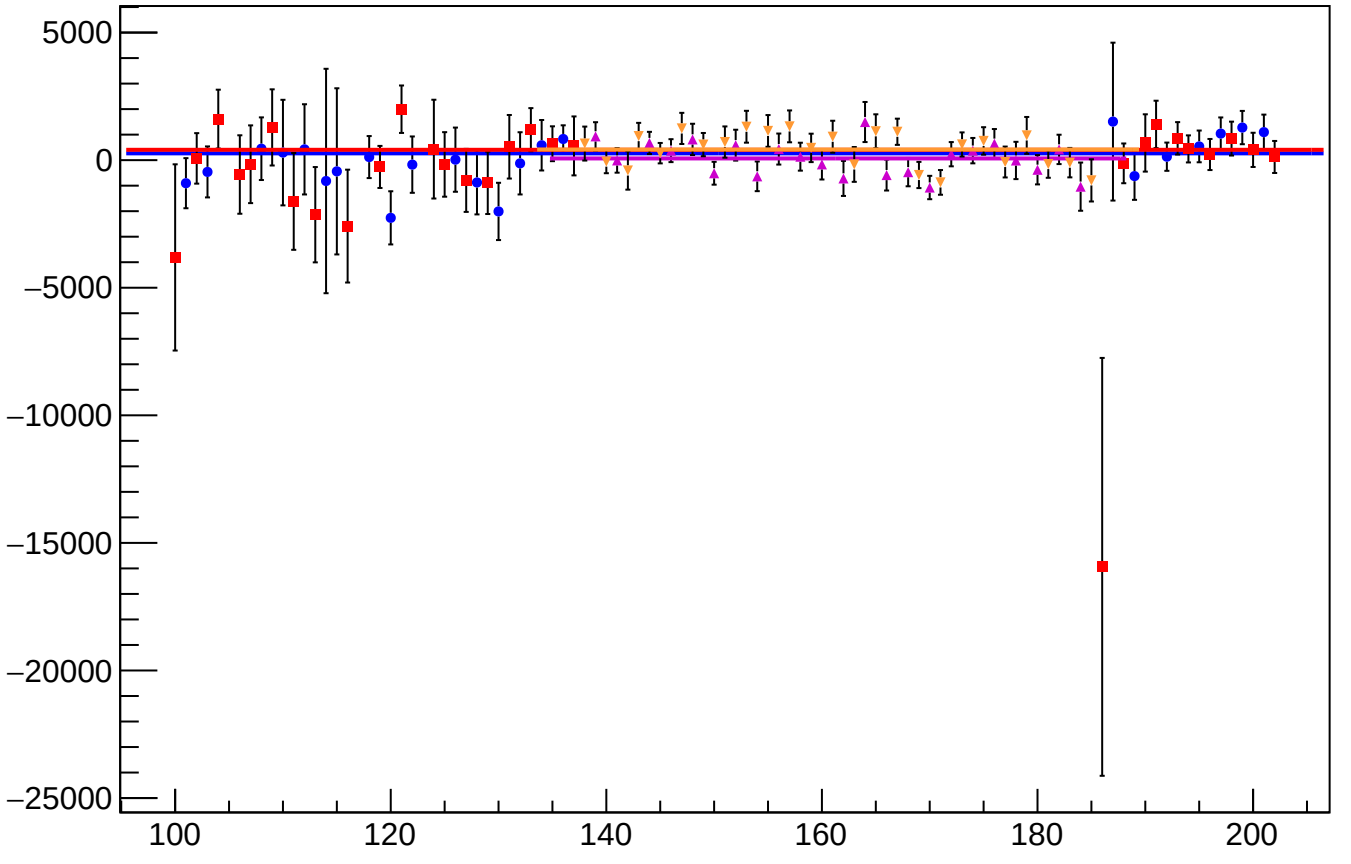
Right Out: 93.640+/-0.018 χ^2/NDF: 1301224.0/28

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 88.799+/-0.011 χ^2/NDF: 1547760.0/47

All: 89.311+/-0.008 χ^2/NDF: 3525888.3/99

- sign 89.818+/-0.011 χ^2/NDF: 1974057.7/51



Right In: 265.803+/-189.198 χ^2/NDF: 21.2/22

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 405.493+/-173.872 χ^2/NDF: 22.0/28

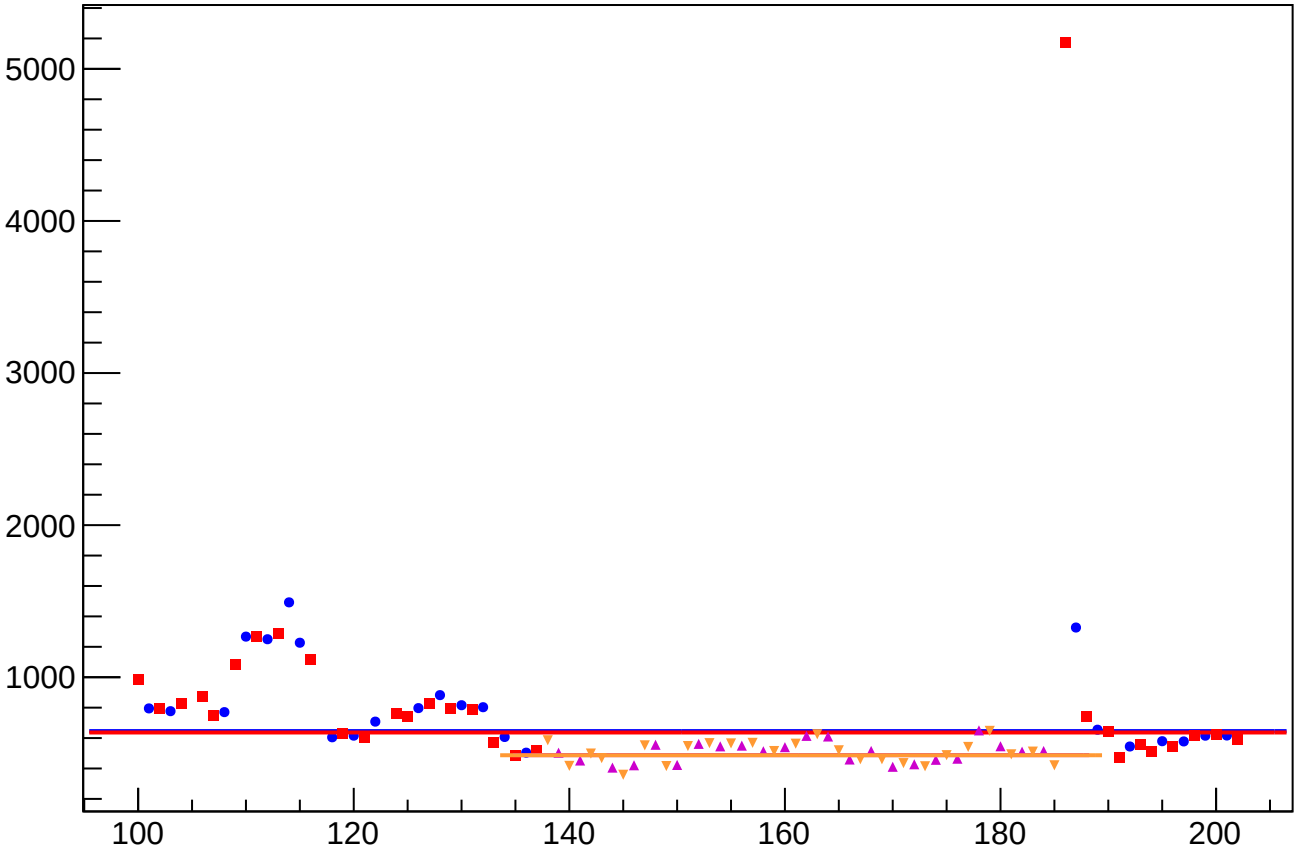
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 377.165+/-96.593 χ^2/NDF: 54.0/47

All: 273.274+/-68.148 χ^2/NDF: 108.5/99

- sign 170.310+/-96.161 χ^2/NDF: 52.2/51

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 645.877+/-0.134 χ^2/NDF: 1206131.9/22

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 636.700+/-0.123 χ^2/NDF: 2106000.3/28

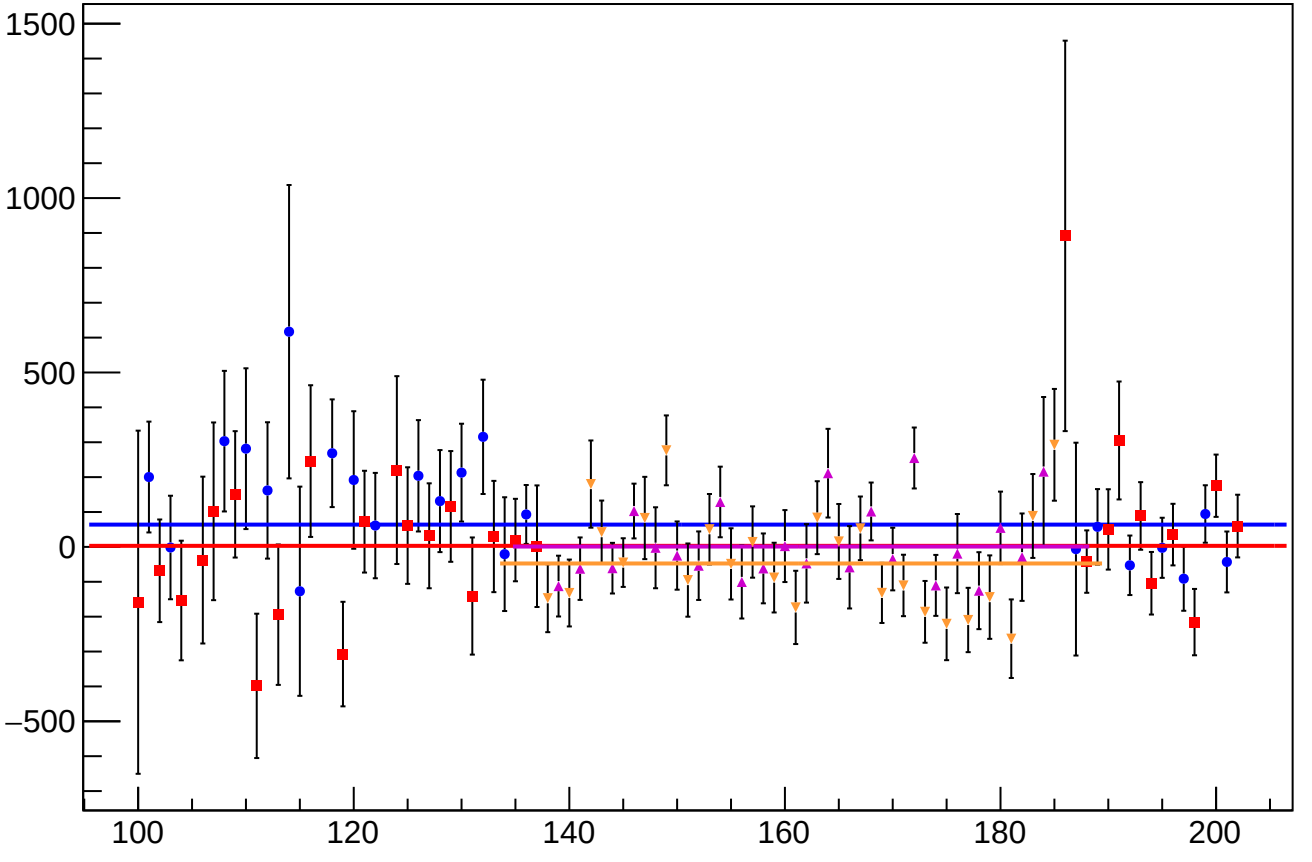
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 528.471+/-0.068 χ^2/NDF: 3069070.0/47

All: 530.964+/-0.048 χ^2/NDF: 6828332.2/99

- sign 533.434+/-0.068 χ^2/NDF: 3756610.0/51

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 63.899+/-26.724 χ^2/NDF: 19.7/22

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 3.020+/-25.169 χ^2/NDF: 32.5/28

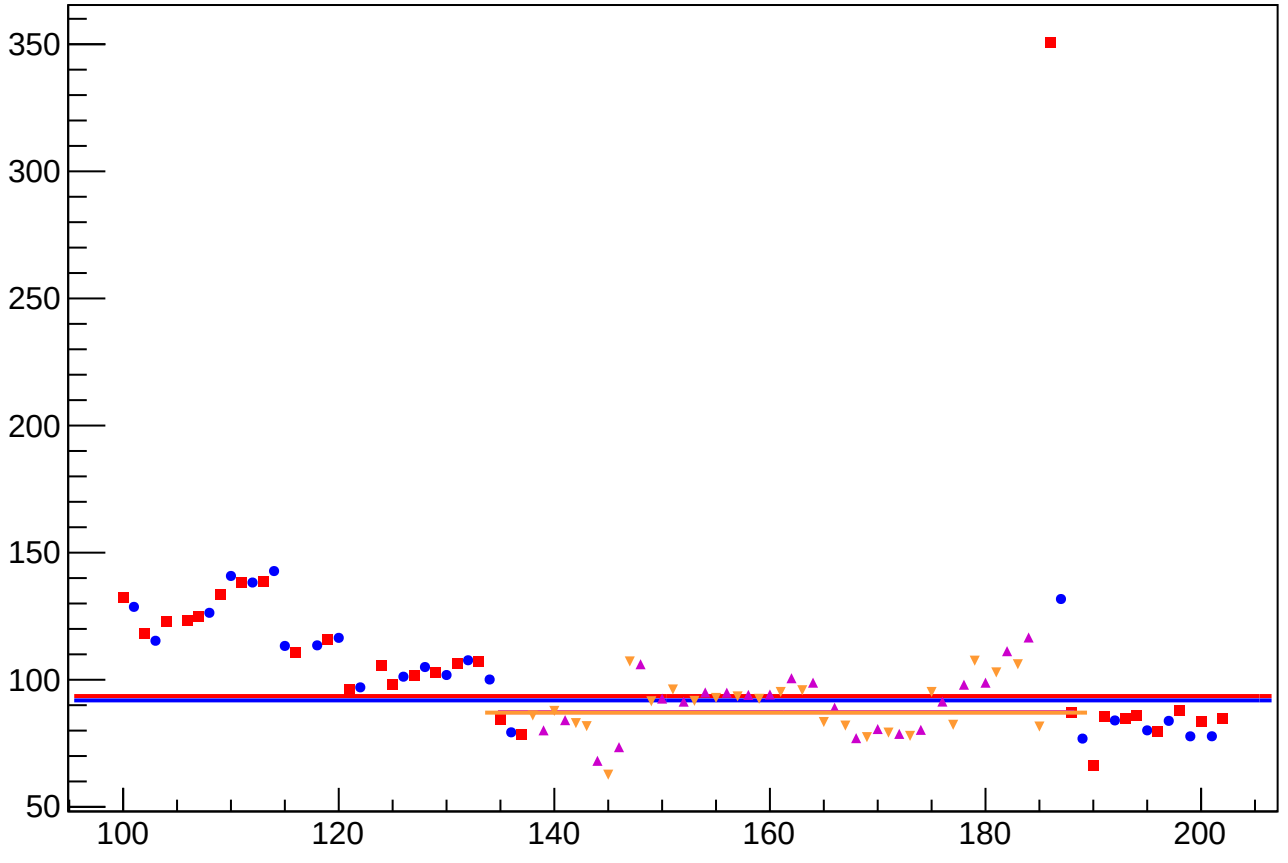
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.571+/-16.004 χ^2/NDF: 74.8/47

All: -2.866+/-11.295 χ^2/NDF: 132.9/99

- sign 1.803+/-15.943 χ^2/NDF: 58.0/51

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 91.889+/-0.019 χ^2/NDF: 885450.1/22

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

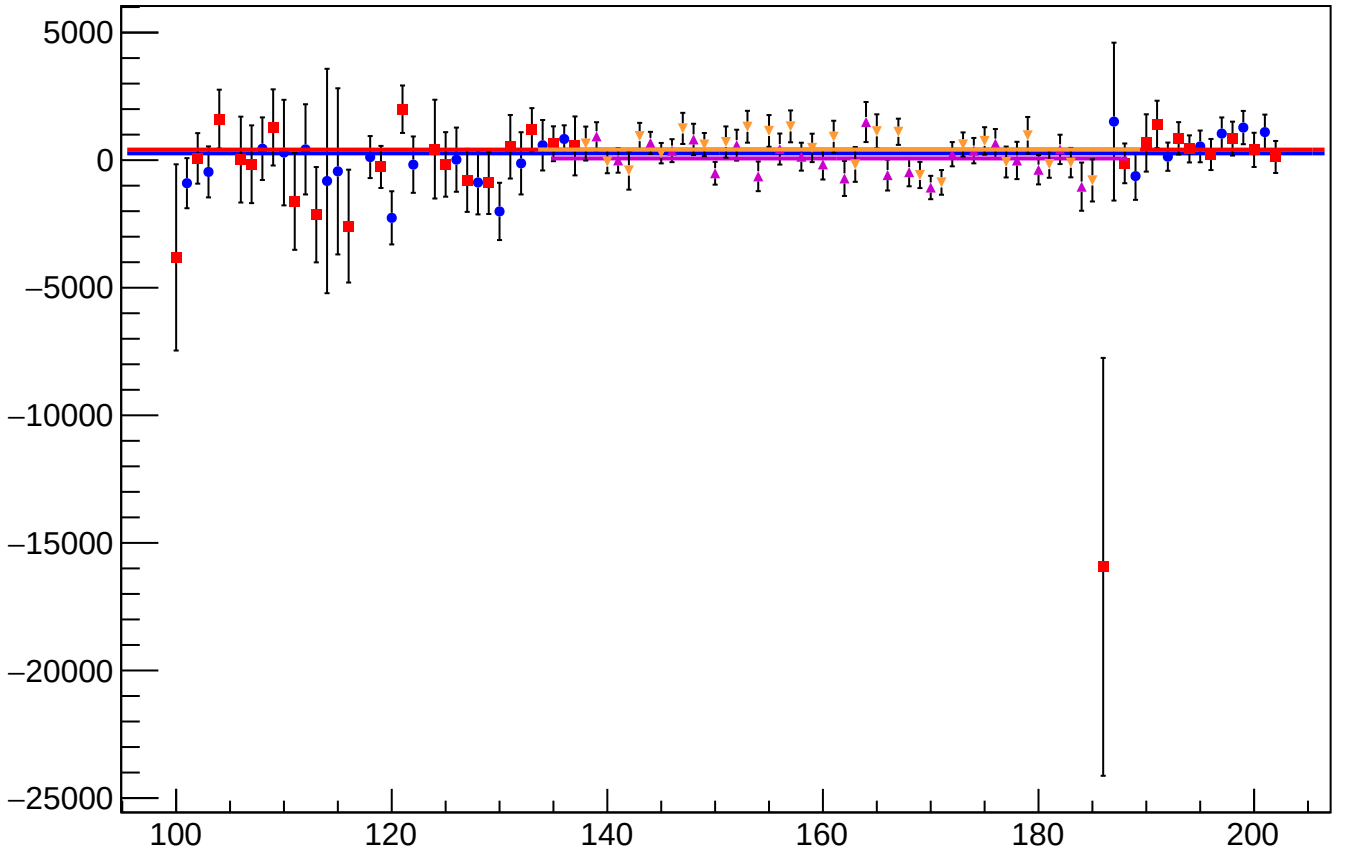
Right Out: 93.595+/-0.018 χ^2/NDF: 1293828.5/28

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 88.799+/-0.011 χ^2/NDF: 1547760.4/47

All: 89.302+/-0.008 χ^2/NDF: 3517262.8/99

- sign 89.800+/-0.011 χ^2/NDF: 1965578.0/51



Right In: 265.805+/-189.198 χ^2/NDF: 21.2/22

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 413.799+/-174.059 χ^2/NDF: 21.7/28

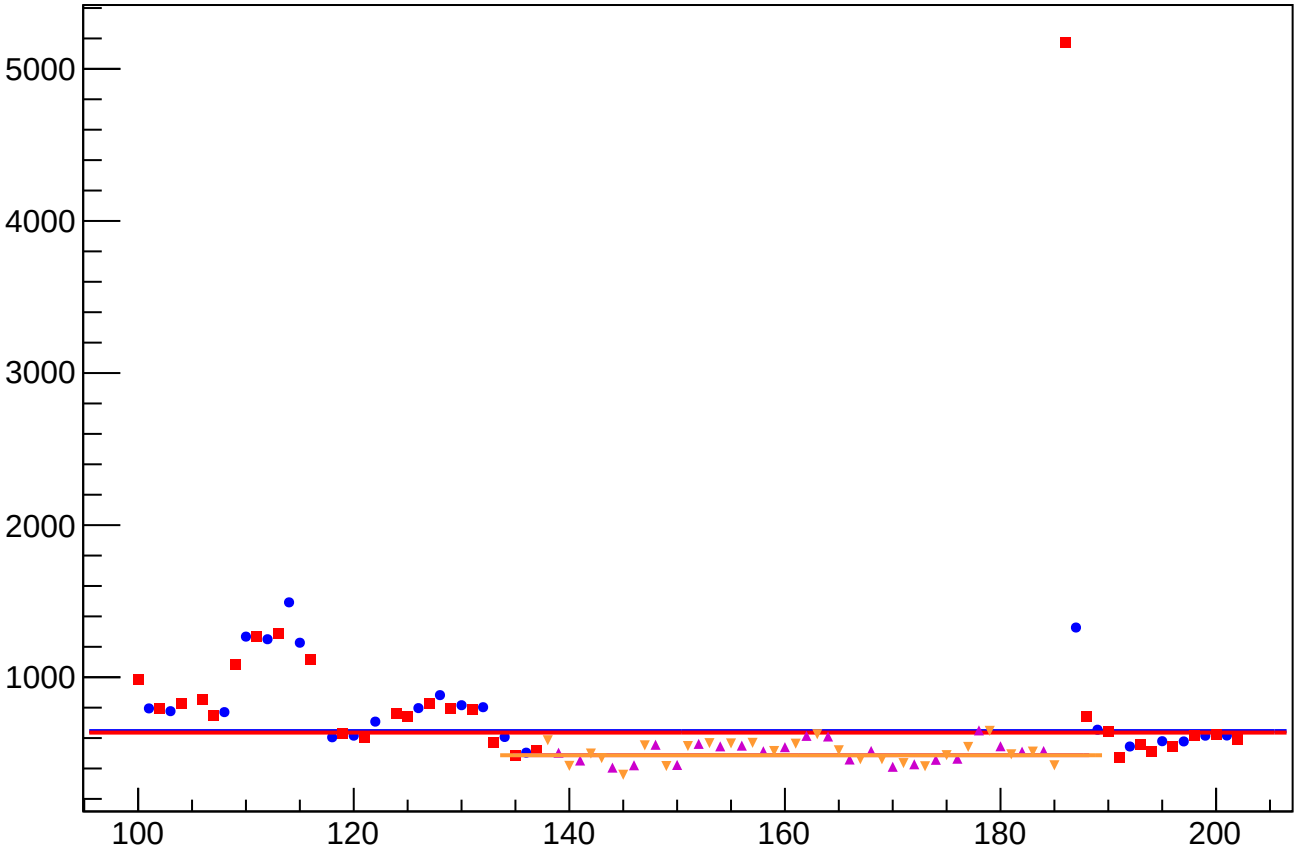
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 377.160+/-96.593 χ^2/NDF: 54.0/47

All: 274.500+/-68.159 χ^2/NDF: 108.2/99

- sign 172.690+/-96.192 χ^2/NDF: 51.9/51

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 645.877+/-0.134 χ^2/NDF: 1206144.0/22

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 635.986+/-0.123 χ^2/NDF: 2091784.7/28

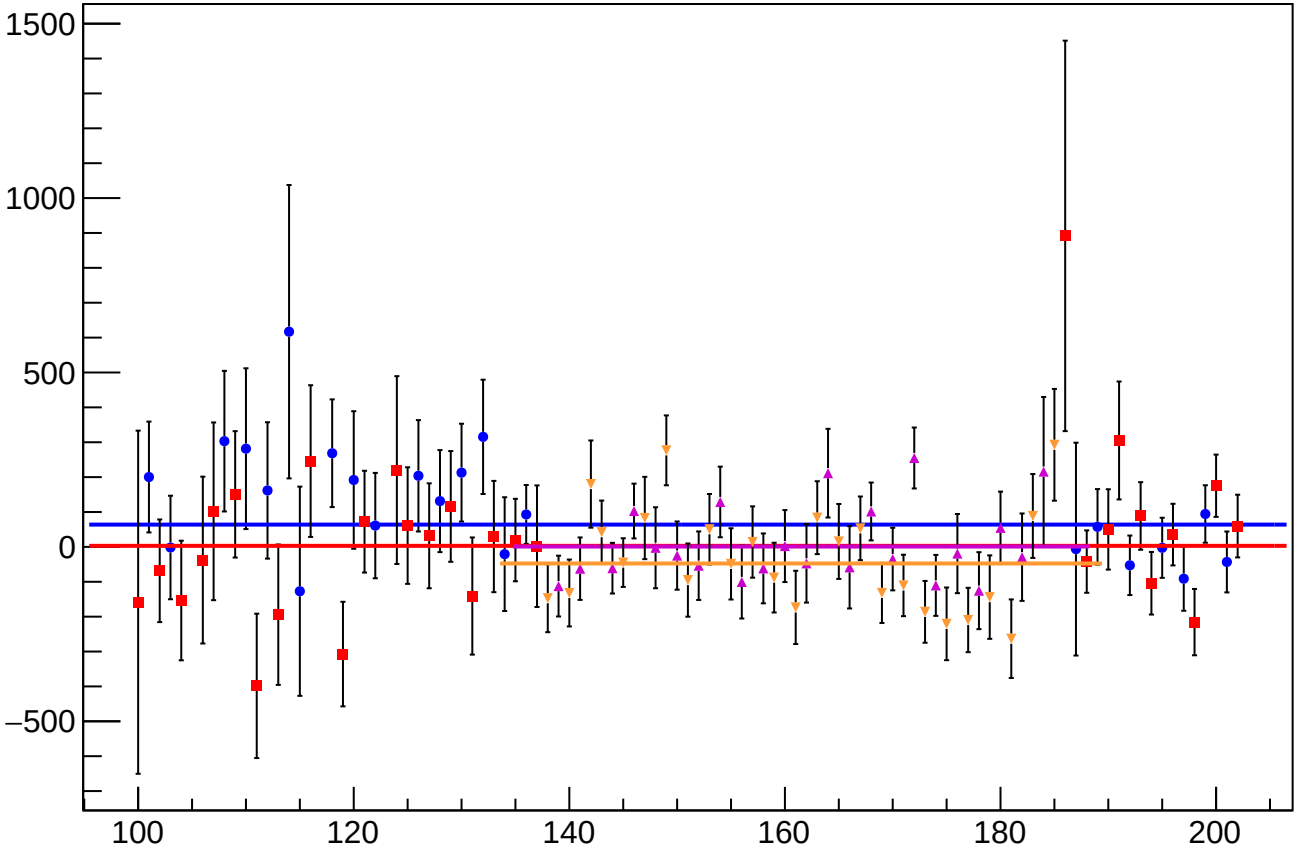
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 528.471+/-0.068 χ^2/NDF: 3069075.3/47

All: 530.819+/-0.048 χ^2/NDF: 6802599.4/99

- sign 533.148+/-0.068 χ^2/NDF: 3731169.5/51

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 63.899+/-26.724 χ^2/NDF: 19.7/22

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 3.020+/-25.169 χ^2/NDF: 32.5/28

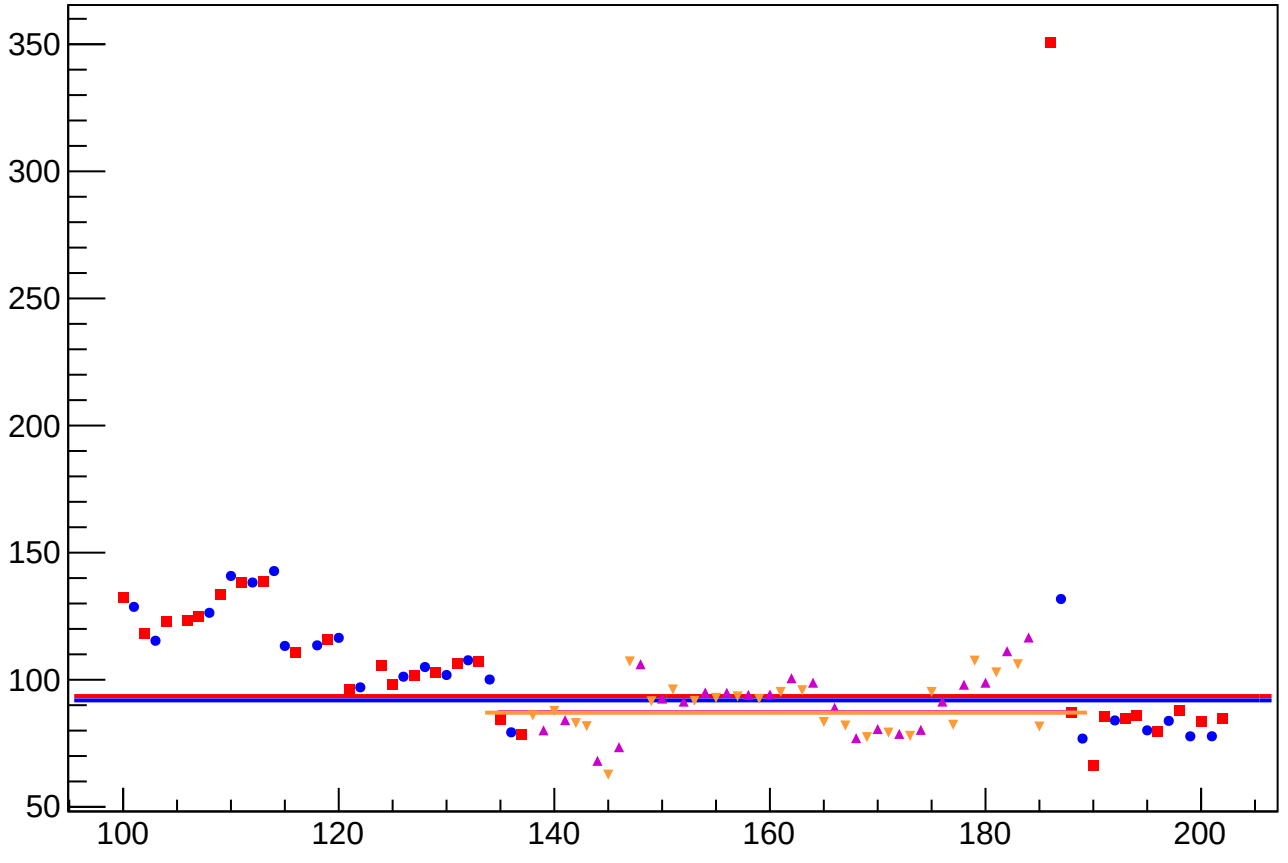
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.571+/-16.004 χ^2/NDF: 74.8/47

All: -2.866+/-11.295 χ^2/NDF: 132.9/99

- sign 1.803+/-15.943 χ^2/NDF: 58.0/51

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 91.889+/-0.019 χ^2/NDF: 885450.1/22

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

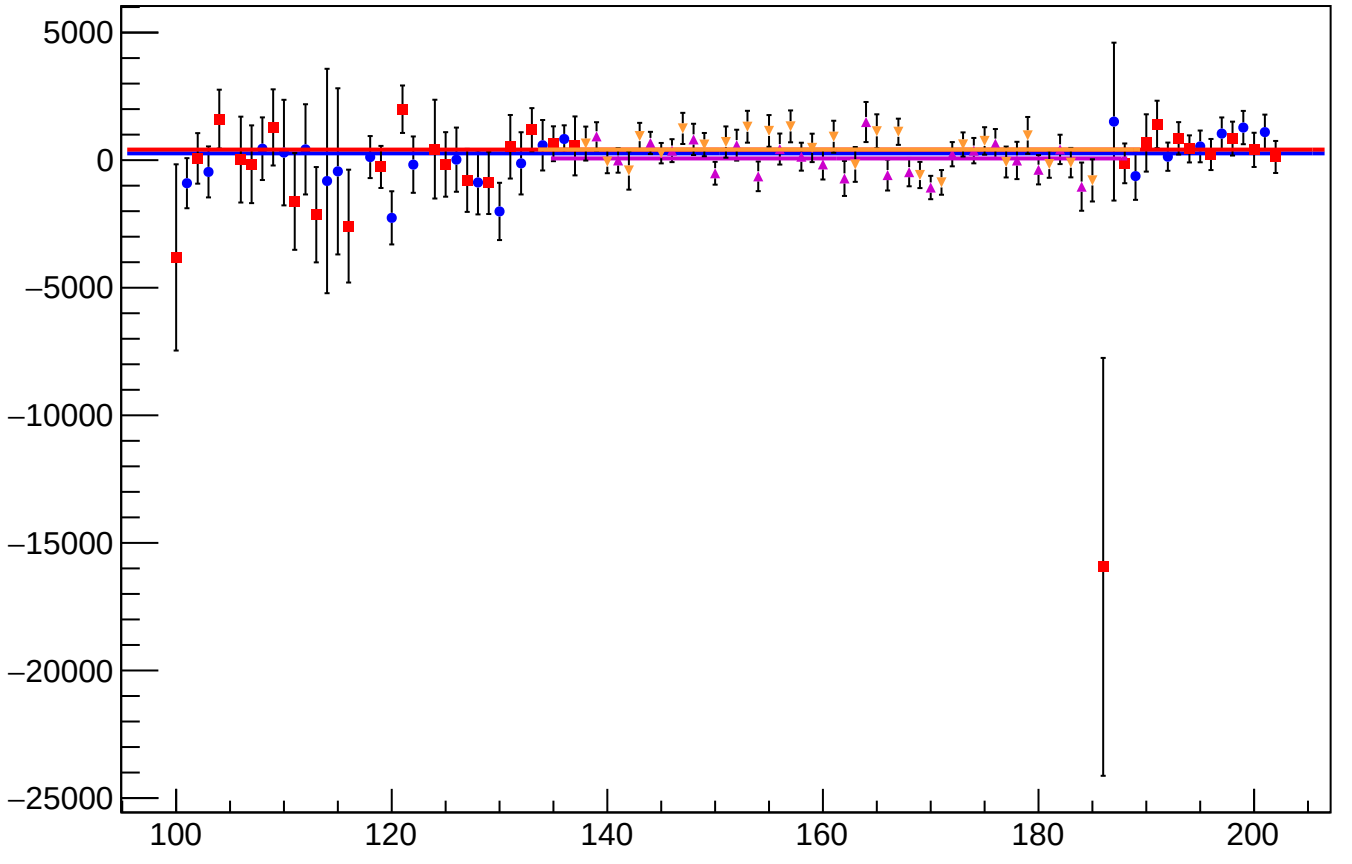
Right Out: 93.595+/-0.018 χ^2/NDF: 1293828.5/28

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 88.799+/-0.011 χ^2/NDF: 1547760.4/47

All: 89.302+/-0.008 χ^2/NDF: 3517262.8/99

- sign 89.800+/-0.011 χ^2/NDF: 1965578.0/51



Right In: 265.805+/-189.198 χ^2/NDF: 21.2/22

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

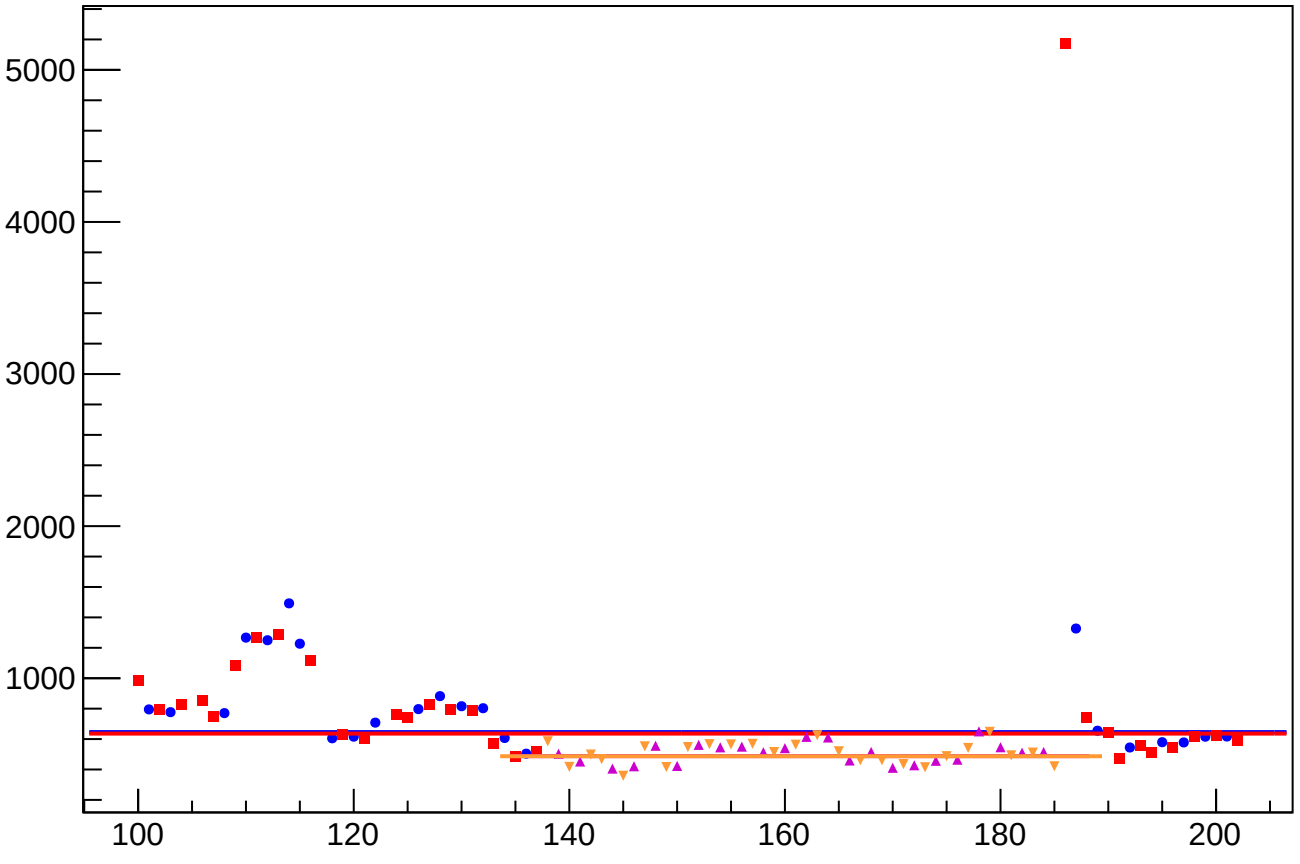
Right Out: 413.799+/-174.059 χ^2/NDF: 21.7/28

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 377.160+/-96.593 χ^2/NDF: 54.0/47

All: 274.500+/-68.159 χ^2/NDF: 108.2/99

- sign 172.690+/-96.192 χ^2/NDF: 51.9/51



Right In: 645.877+/-0.134 χ^2/NDF: 1206144.0/22

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 635.986+/-0.123 χ^2/NDF: 2091784.7/28

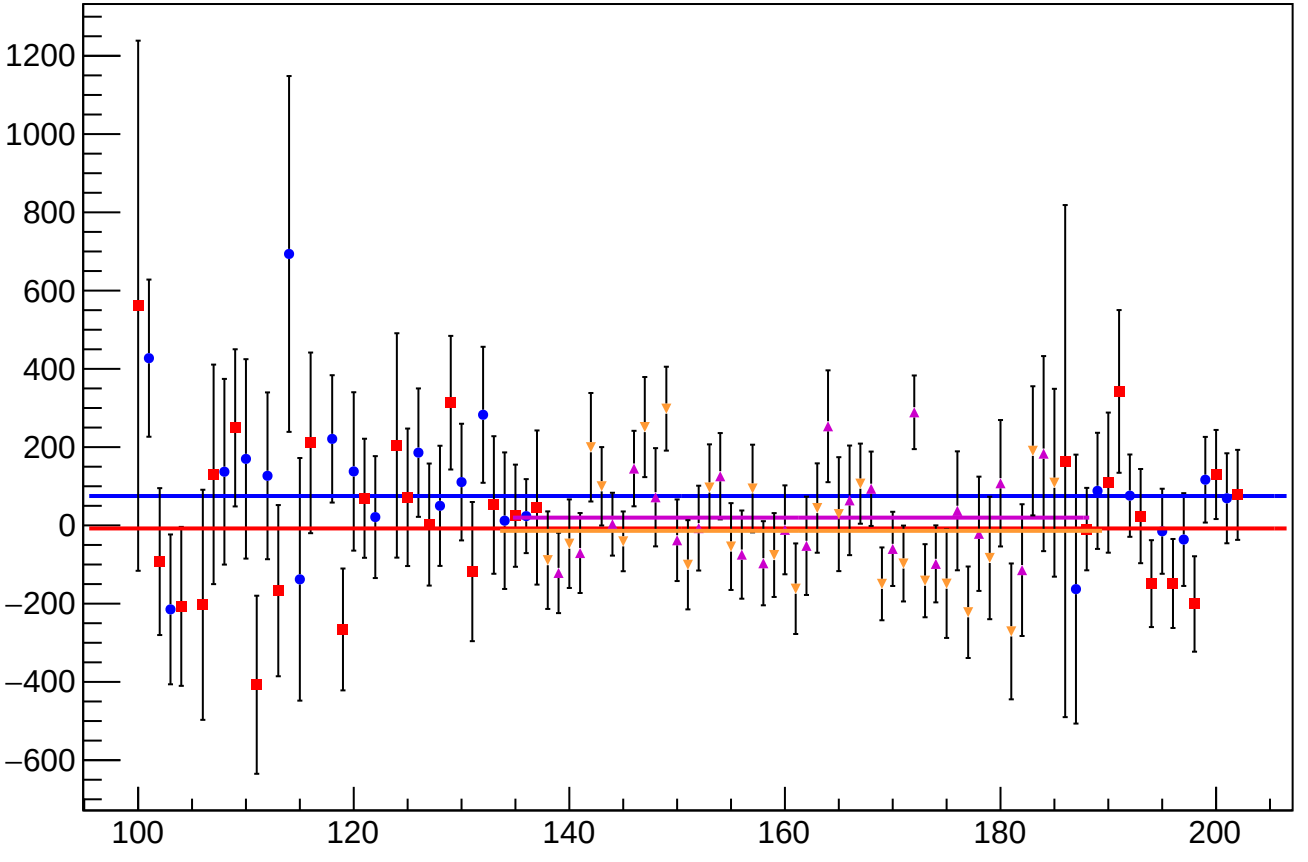
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 528.471+/-0.068 χ^2/NDF: 3069075.3/47

All: 530.819+/-0.048 χ^2/NDF: 6802599.4/99

- sign 533.148+/-0.068 χ^2/NDF: 3731169.5/51

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 75.071+/-31.824 χ^2/NDF: 13.6/22

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -7.827+/-30.016 χ^2/NDF: 27.7/28

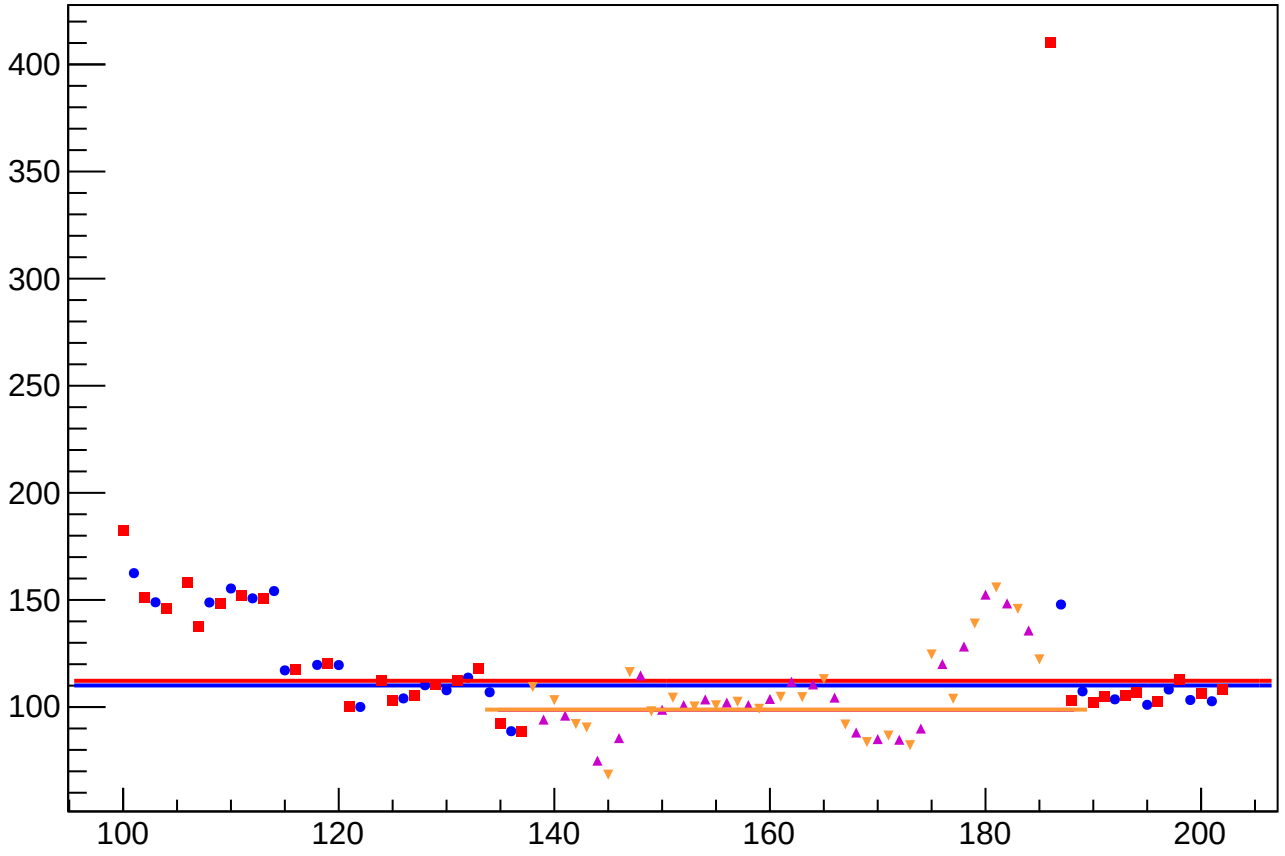
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 16.479+/-18.596 χ^2/NDF: 55.1/47

All: 12.861+/-13.129 χ^2/NDF: 106.7/99

- sign 9.265+/-18.538 χ^2/NDF: 51.6/51

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 110.083+/-0.023 χ^2/NDF: 616759.4/22

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 112.263+/-0.021 χ^2/NDF: 994154.0/28

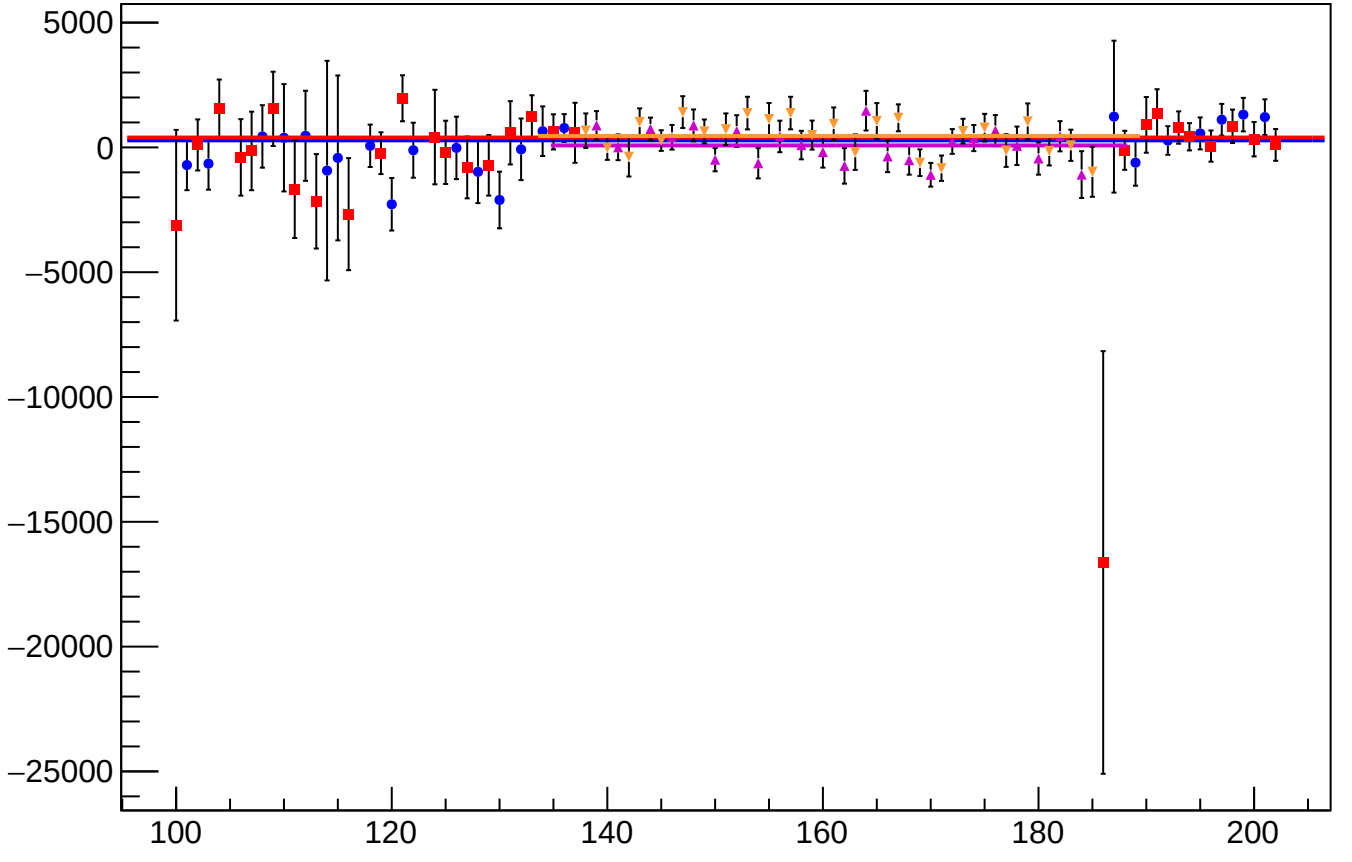
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.652+/-0.013 χ^2/NDF: 1968162.0/47

All: 103.256+/-0.009 χ^2/NDF: 4207965.2/99

- sign 103.857+/-0.013 χ^2/NDF: 2235591.6/51

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 283.432+/-193.589 χ^2/NDF: 21.5/22

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 394.989+/-176.949 χ^2/NDF: 21.3/28

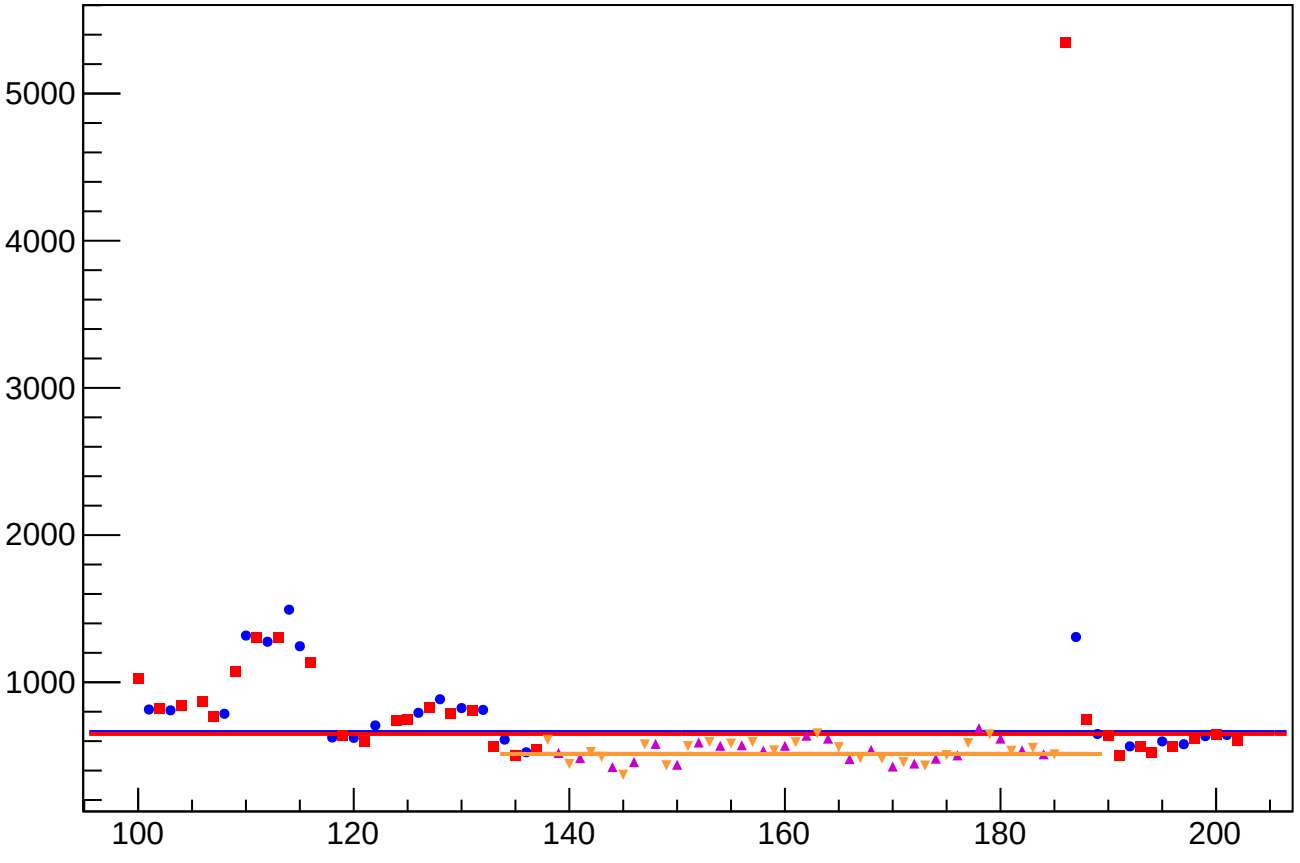
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 411.443+/-100.827 χ^2/NDF: 52.9/47

All: 294.930+/-71.046 χ^2/NDF: 105.3/99

- sign 180.031+/-100.126 χ^2/NDF: 49.7/51

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 661.784+/-0.137 χ^2/NDF: 1156578.3/22

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 649.072+/-0.125 χ^2/NDF: 2039122.0/28

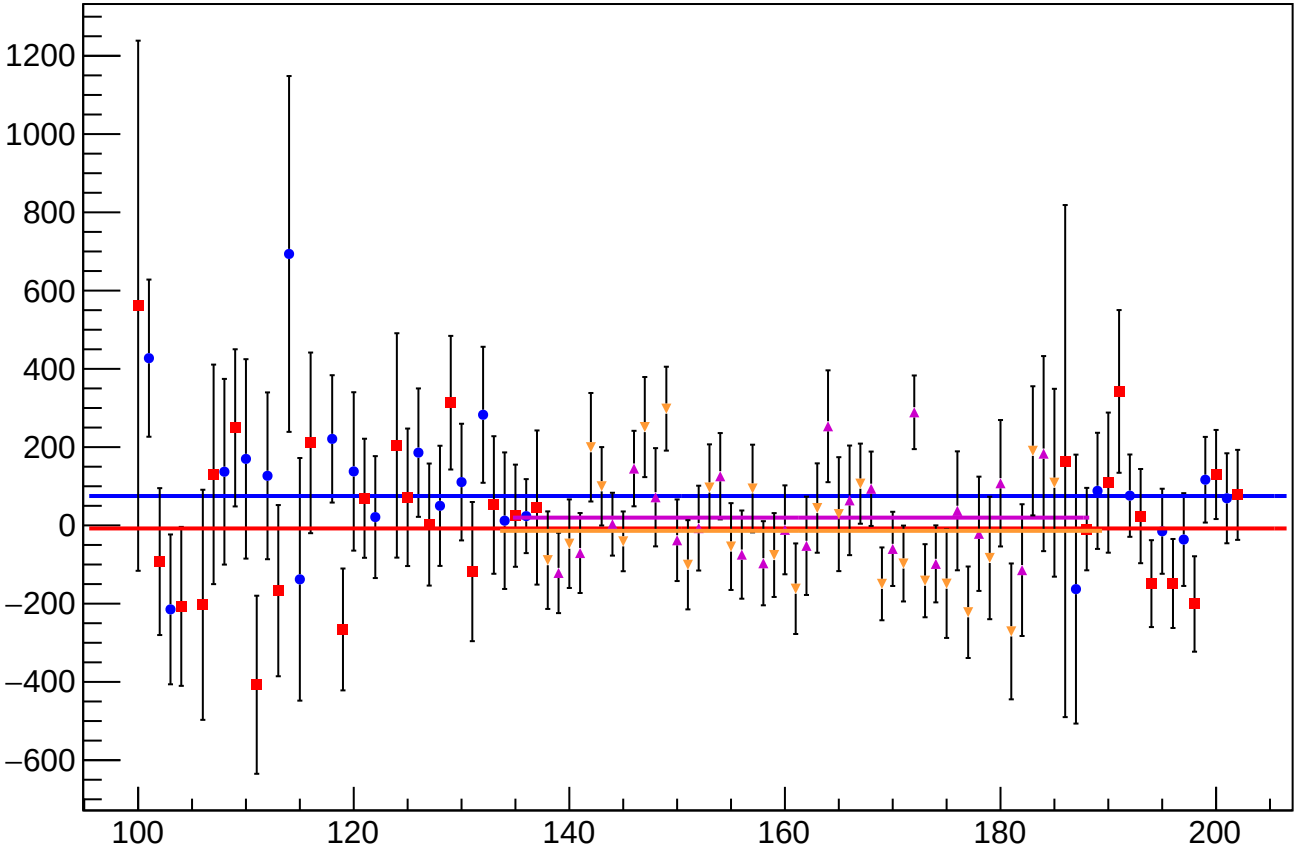
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 553.191+/-0.071 χ^2/NDF: 2819391.5/47

All: 555.019+/-0.050 χ^2/NDF: 6293412.4/99

- sign 556.822+/-0.071 χ^2/NDF: 3472714.7/51

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 75.070+/-31.824 χ^2/NDF: 13.6/22

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -7.828+/-30.016 χ^2/NDF: 27.7/28

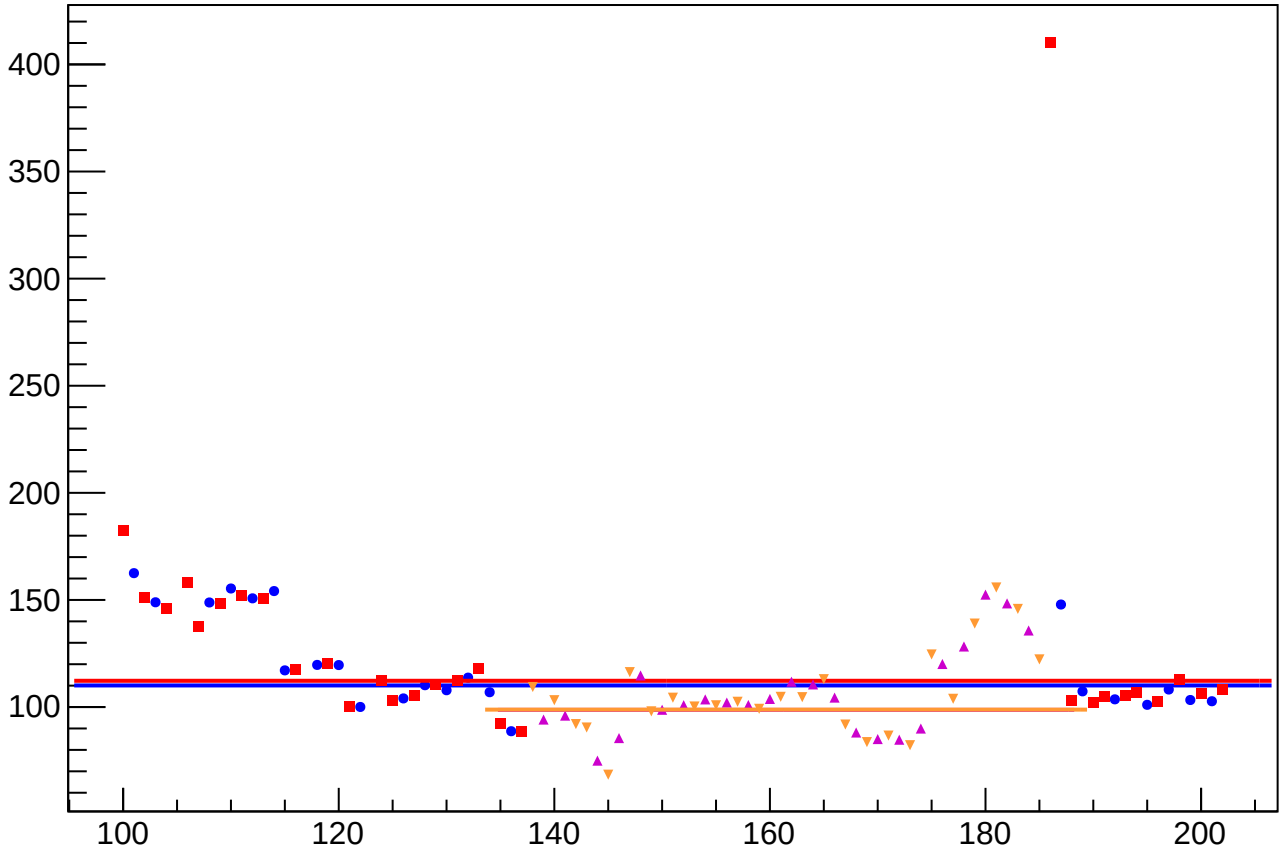
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 16.477+/-18.596 χ^2/NDF: 55.1/47

All: 12.860+/-13.129 χ^2/NDF: 106.7/99

- sign 9.265+/-18.538 χ^2/NDF: 51.6/51

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 110.083+/-0.023 χ^2/NDF: 616745.5/22

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

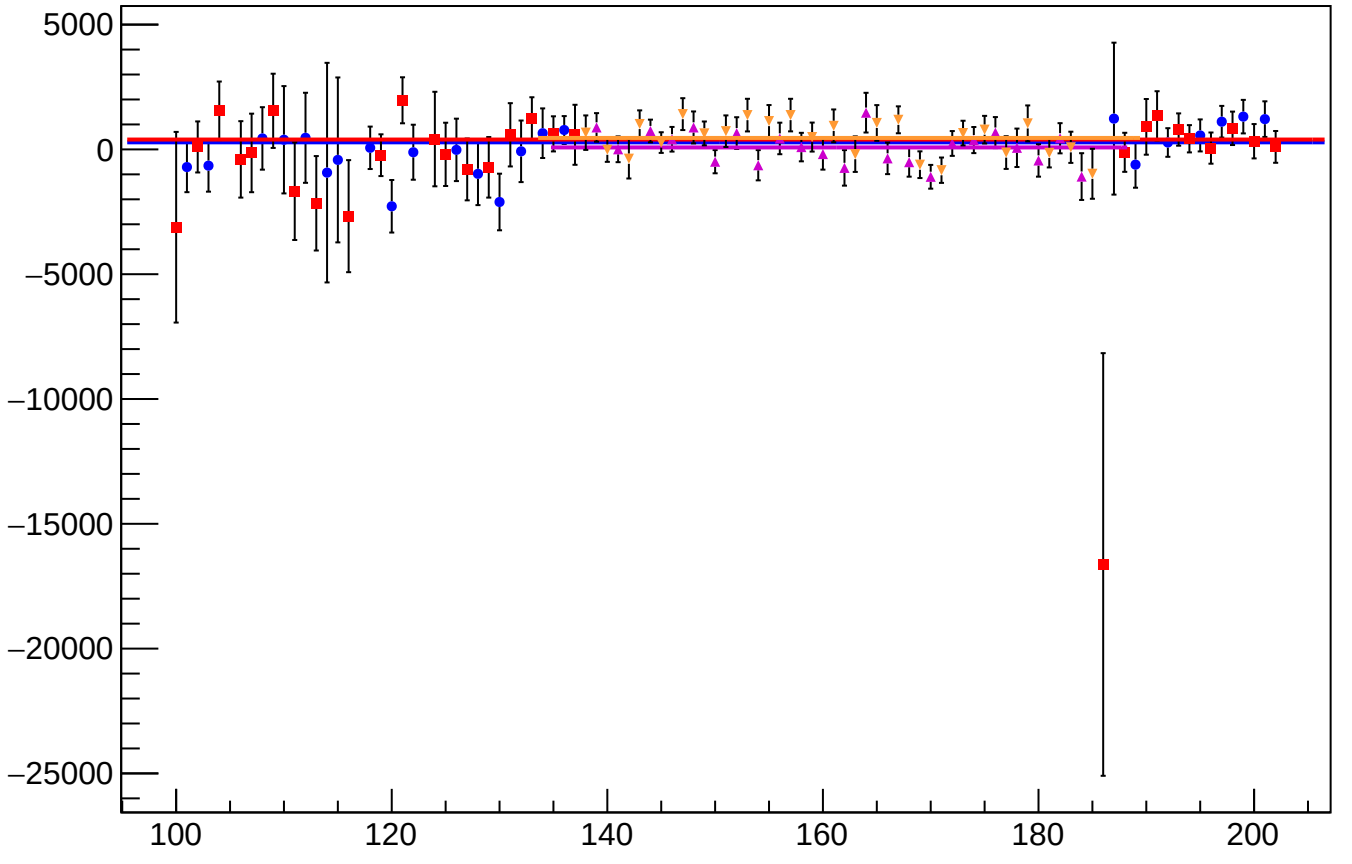
Right Out: 112.264+/-0.021 χ^2/NDF: 994139.7/28

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.652+/-0.013 χ^2/NDF: 1968158.0/47

All: 103.256+/-0.009 χ^2/NDF: 4207942.1/99

- sign 103.857+/-0.013 χ^2/NDF: 2235572.4/51



Right In: 283.431+/-193.589 χ^2/NDF: 21.5/22

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

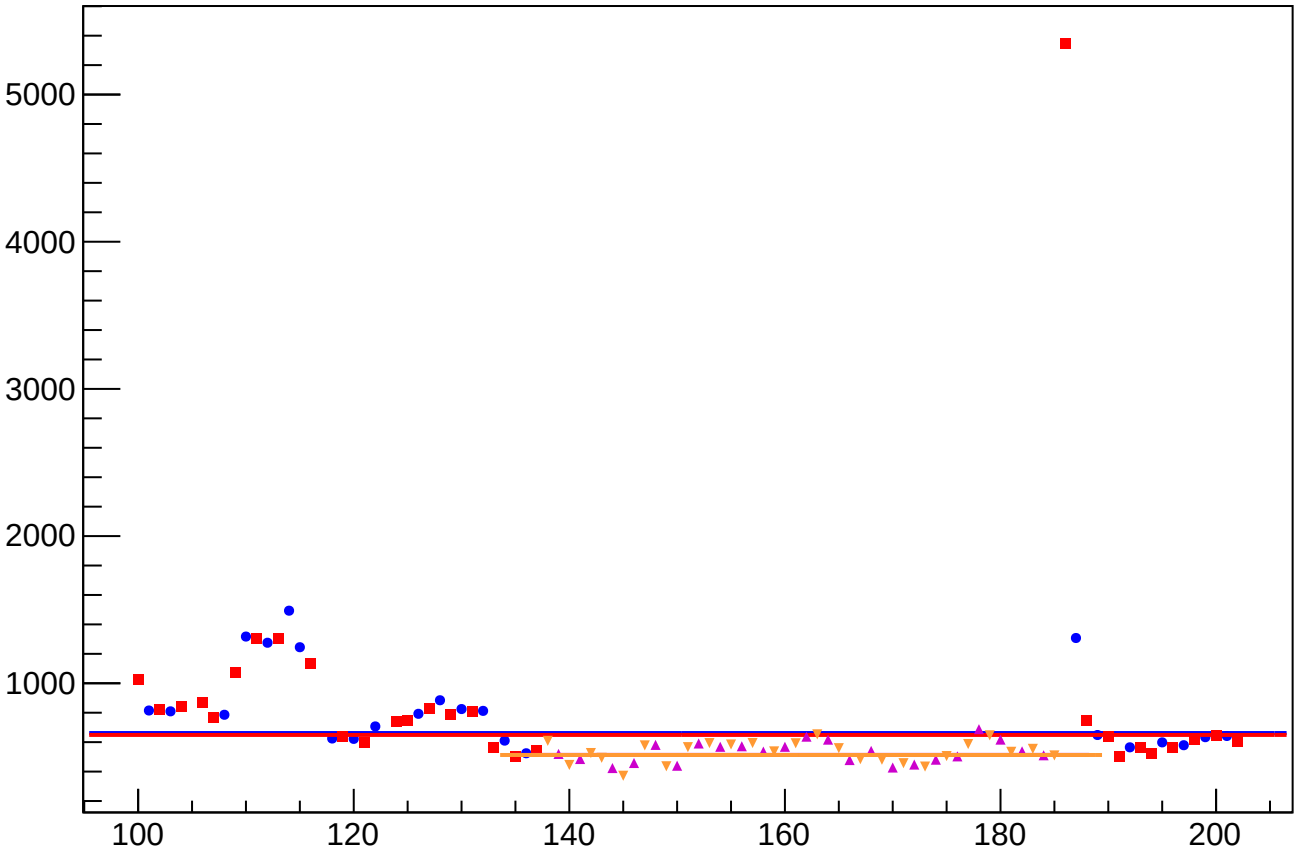
Right Out: 394.988+/-176.949 χ^2/NDF: 21.3/28

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 411.442+/-100.827 χ^2/NDF: 52.9/47

All: 294.929+/-71.046 χ^2/NDF: 105.3/99

\- sign 180.031+/-100.126 χ^2/NDF: 49.7/51



Right In: 661.783+/-0.137 χ^2/NDF: 1156576.3/22

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 649.071+/-0.125 χ^2/NDF: 2039119.2/28

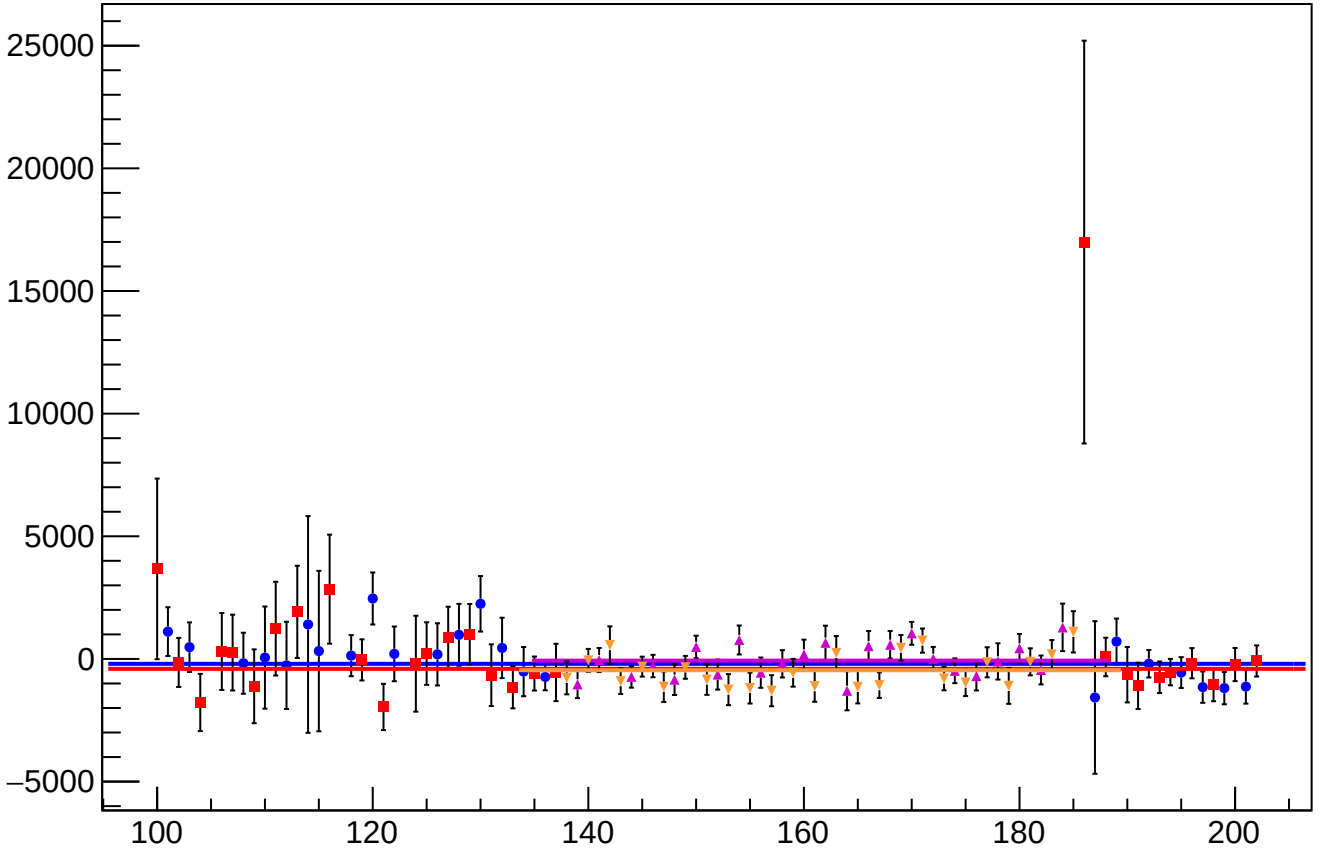
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 553.190+/-0.071 χ^2/NDF: 2819383.5/47

All: 555.019+/-0.050 χ^2/NDF: 6293388.3/99

- sign 556.822+/-0.071 χ^2/NDF: 3472698.6/51

asym_sam_26_48_dd_mean vs Slug



Right In: -199.347+/-191.315 χ^2/NDF: 23.7/22

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -404.397+/-175.940 χ^2/NDF: 21.3/28

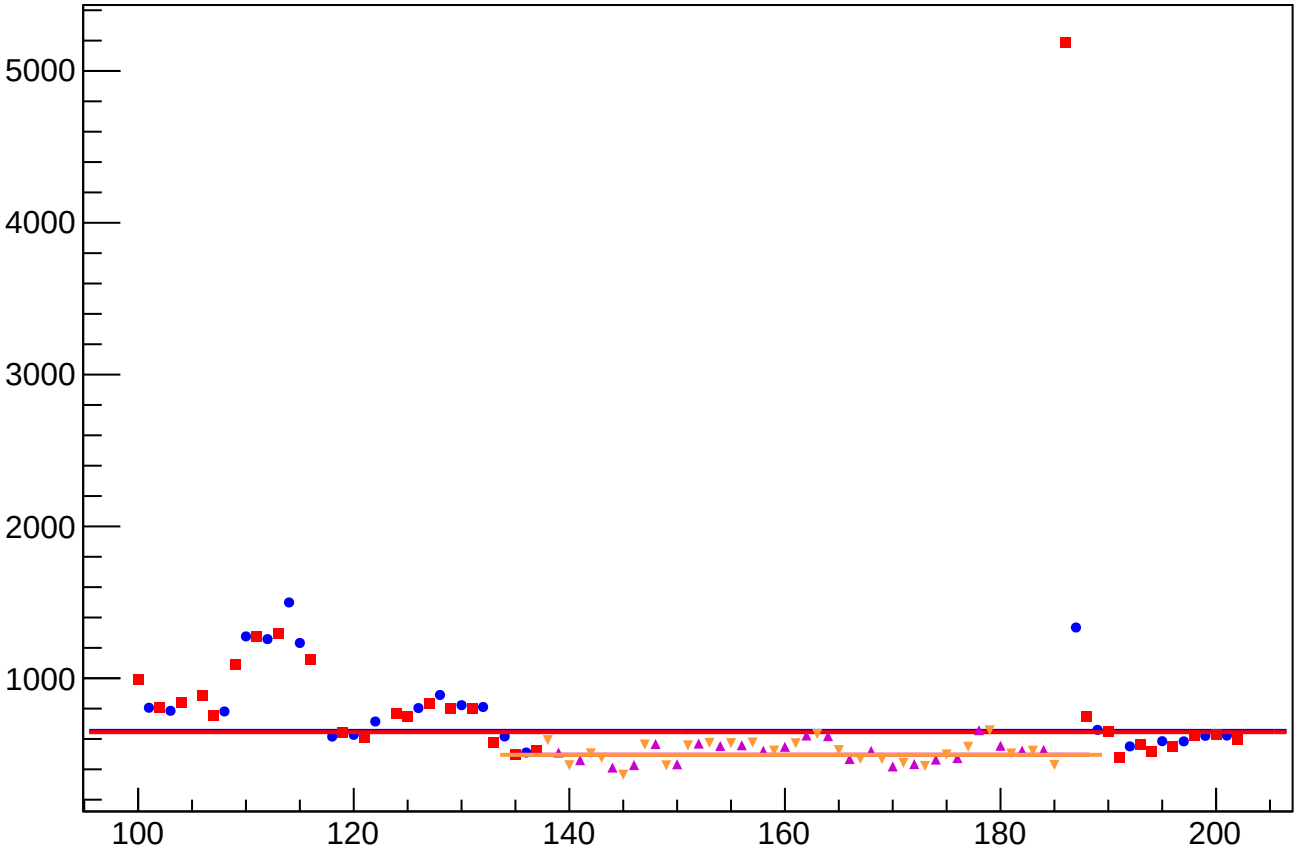
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -391.394+/-98.079 χ^2/NDF: 55.9/47

All: -281.012+/-69.195 χ^2/NDF: 110.9/99

- sign -171.625+/-97.636 χ^2/NDF: 52.4/51

asym_sam_26_48_dd_rms vs Slug



Right In: 653.331+/-0.135 χ^2/NDF: 1193239.0/22

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

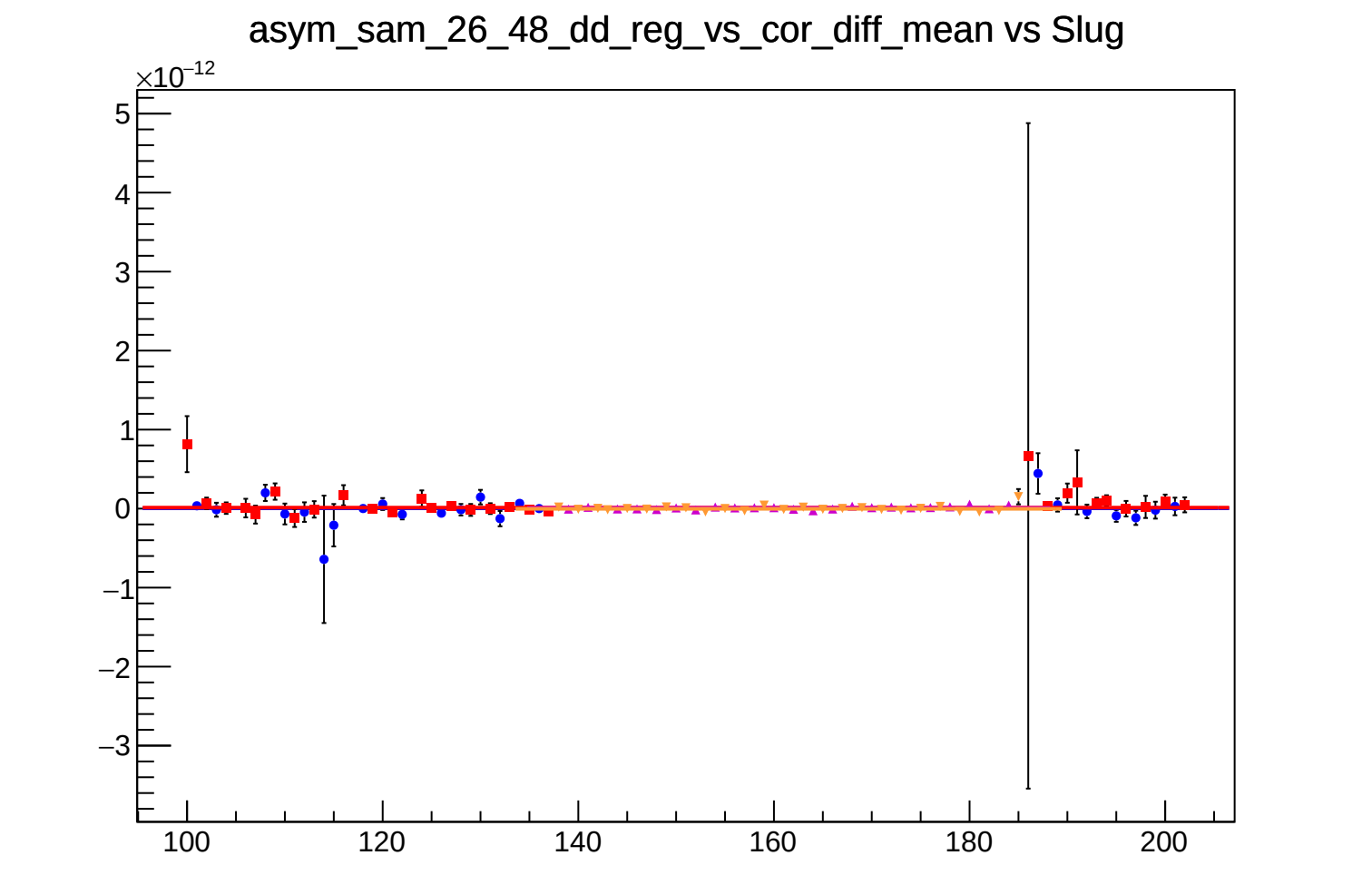
Right Out: 644.597+/-0.124 χ^2/NDF: 2083117.7/28

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 536.991+/-0.069 χ^2/NDF: 3001159.5/47

All: 539.494+/-0.049 χ^2/NDF: 6692456.6/99

- sign 541.974+/-0.069 χ^2/NDF: 3688704.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

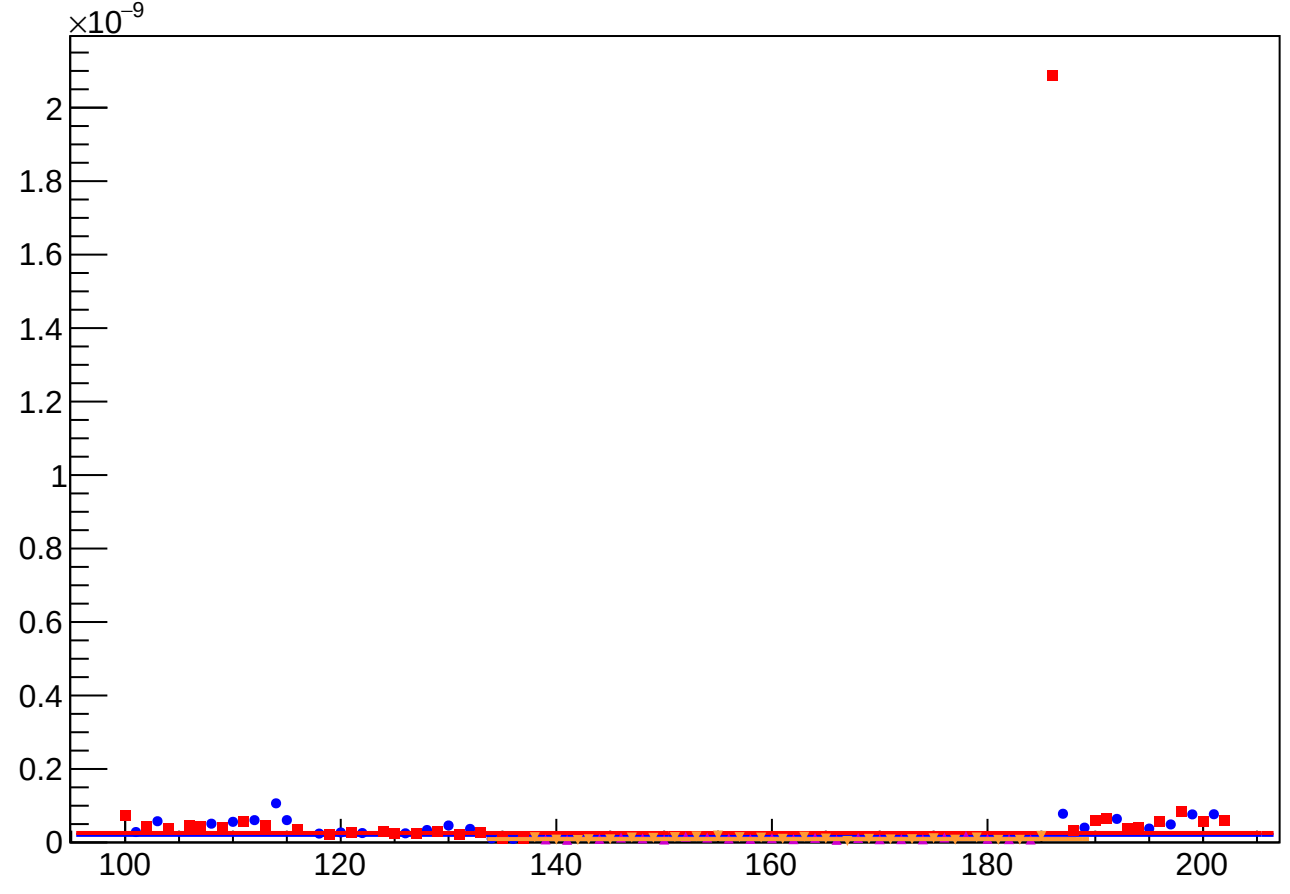
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/28

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/47

All: 0.000+/-0.000 χ^2/NDF: 94.9/99

- sign 0.000+/-0.000 χ^2/NDF: 41.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 4608148.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3841487.4/28

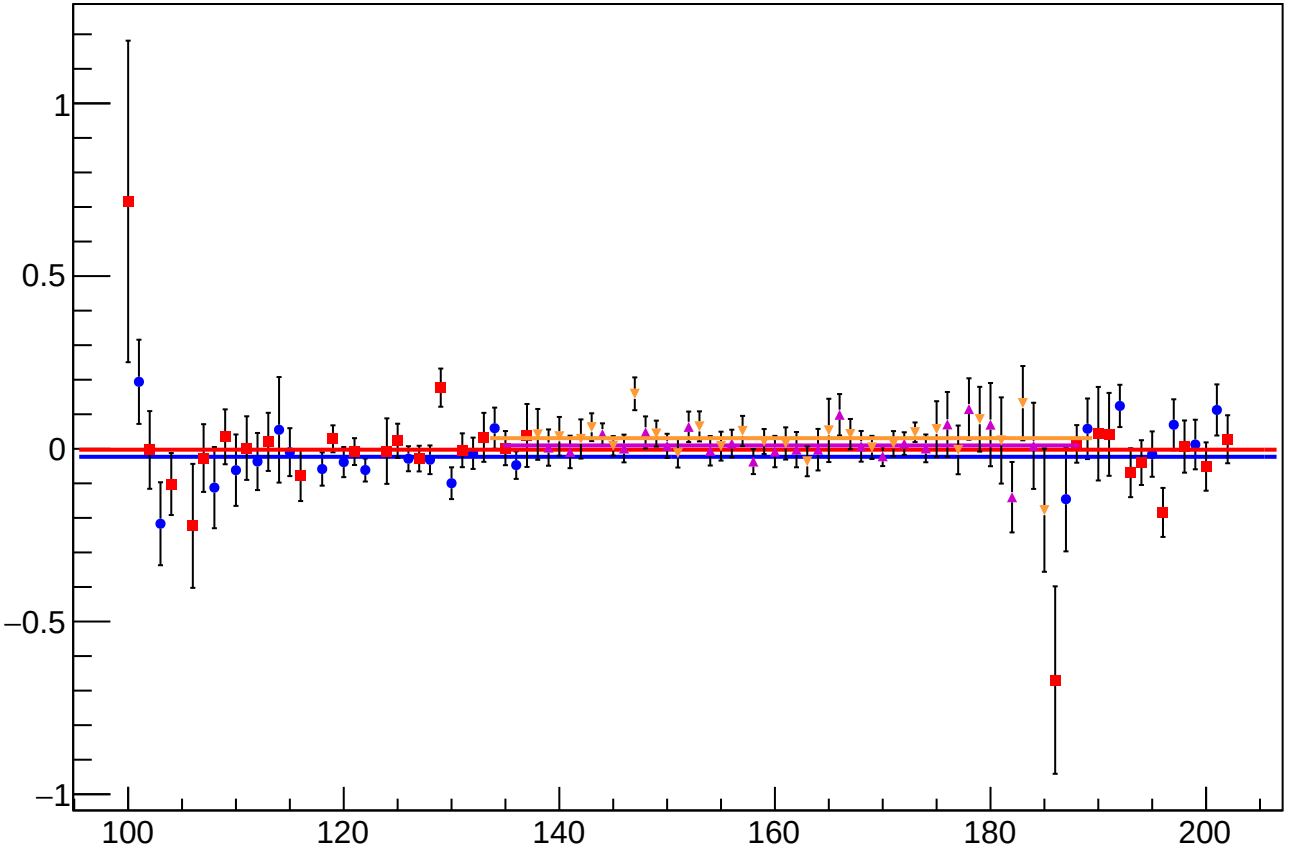
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8412536.8/47

All: 0.000+/-0.000 χ^2/NDF: 16134154.1/99

- sign 0.000+/-0.000 χ^2/NDF: 7656630.3/51

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.023+/-0.012 χ^2/NDF: 26.5/22

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.003+/-0.012 χ^2/NDF: 33.8/28

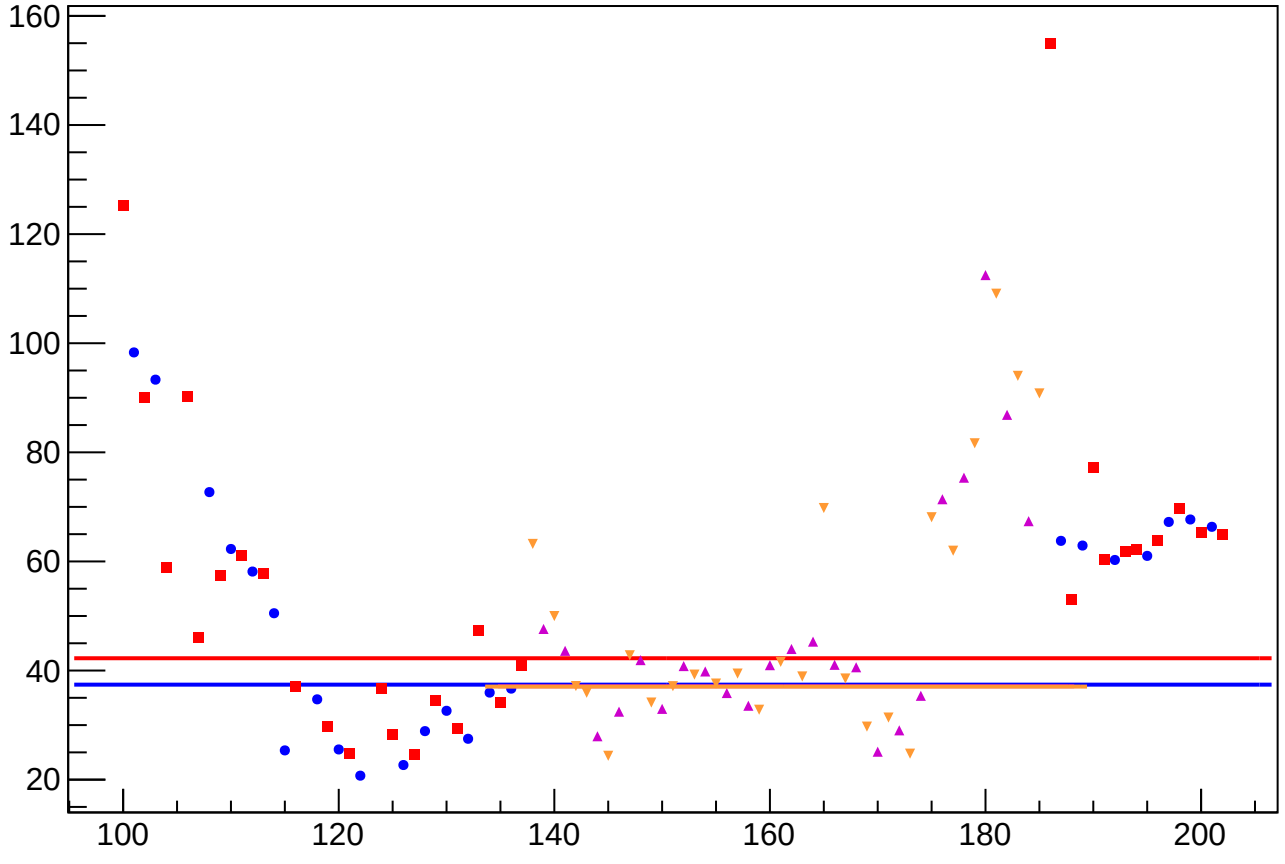
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.011+/-0.007 χ^2/NDF: 57.2/47

All: 0.008+/-0.005 χ^2/NDF: 105.2/99

- sign 0.005+/-0.007 χ^2/NDF: 47.7/51

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.414+/-0.008 χ^2/NDF: 4376743.7/22

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

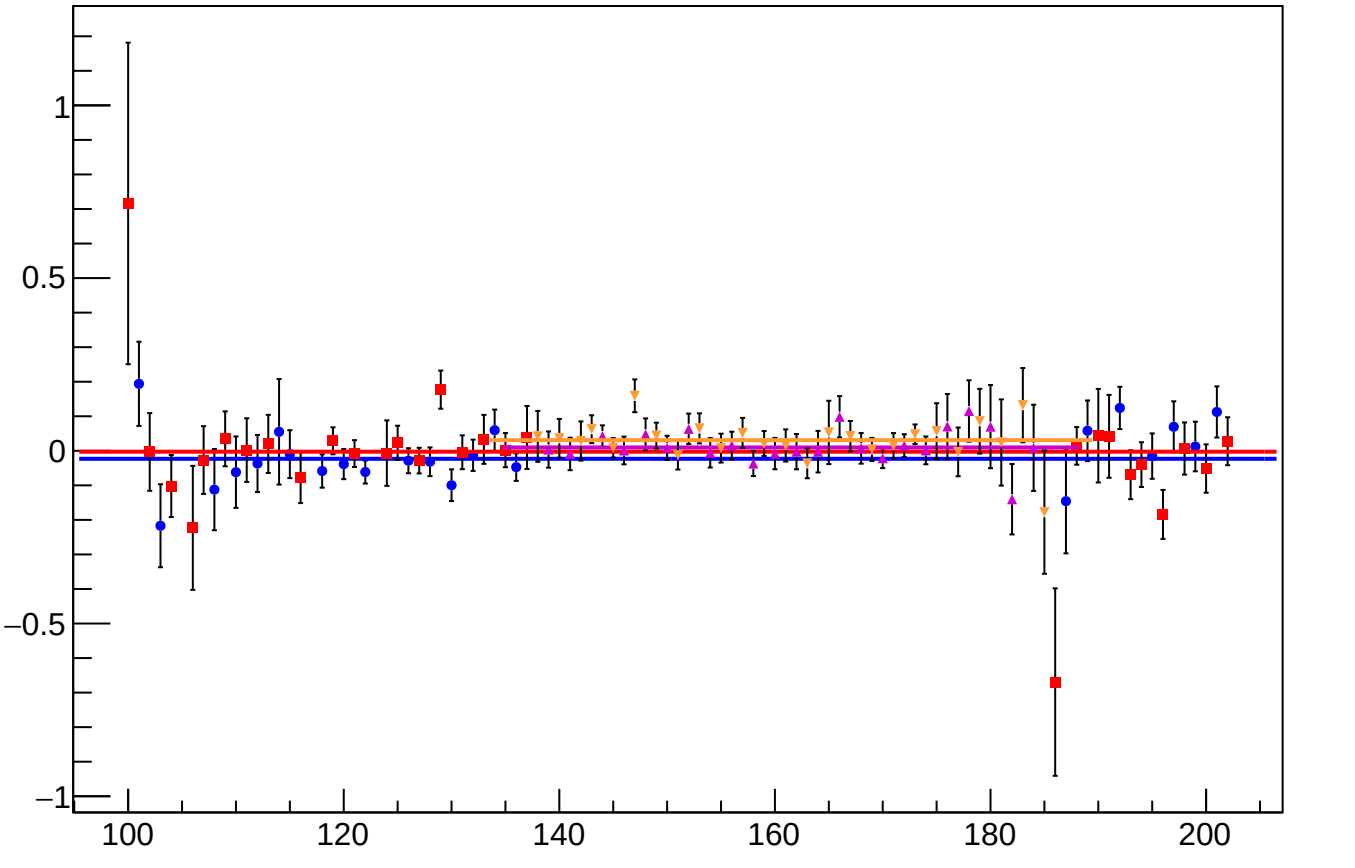
Right Out: 42.254+/-0.009 χ^2/NDF: 4169335.5/28

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 37.189+/-0.005 χ^2/NDF: 8431591.2/47

All: 38.083+/-0.004 χ^2/NDF: 15897422.9/99

- sign 39.024+/-0.005 χ^2/NDF: 7403466.1/51



Right In: -0.023+/-0.012 χ^2/NDF: 26.5/22

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

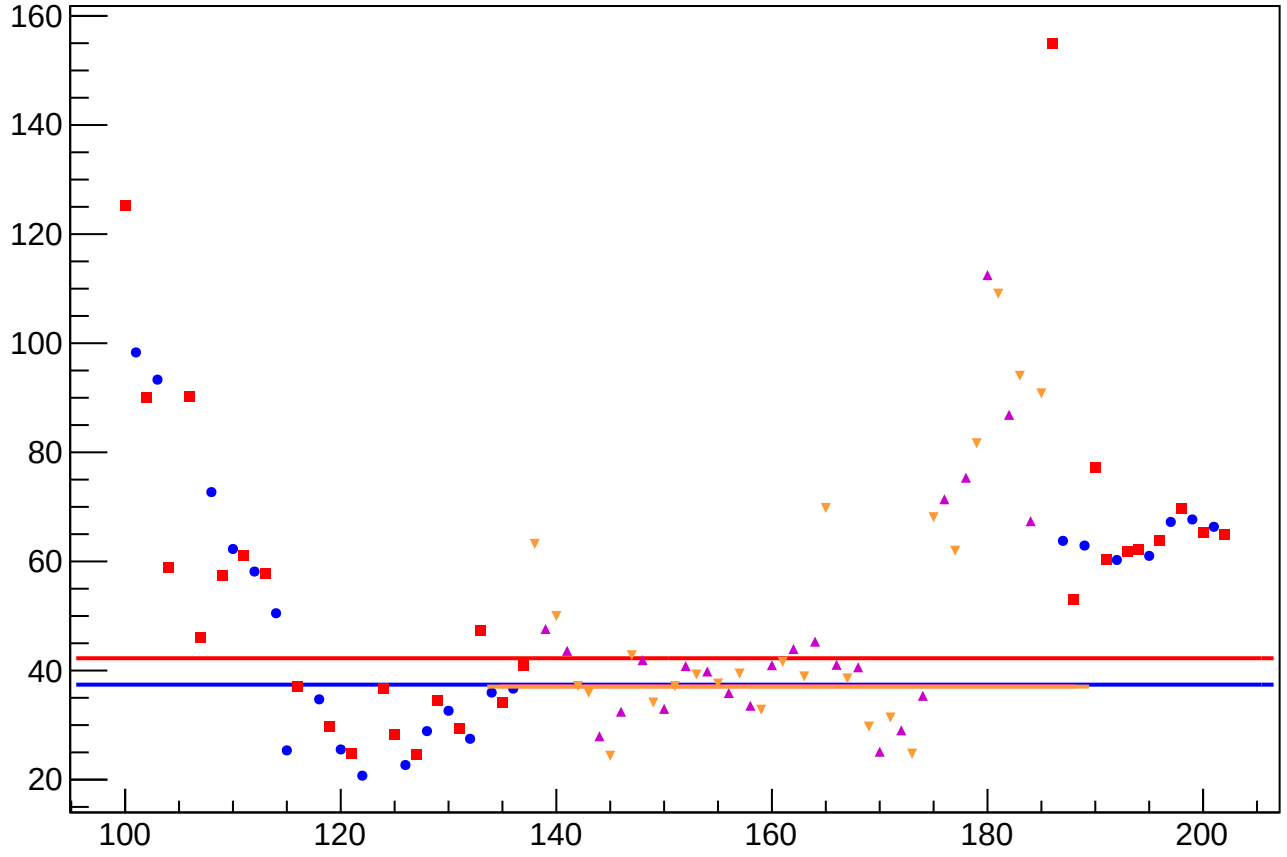
Right Out: -0.003+/-0.012 χ^2/NDF: 33.8/28

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.011+/-0.007 χ^2/NDF: 57.2/47

All: 0.008+/-0.005 χ^2/NDF: 105.2/99

- sign 0.005+/-0.007 χ^2/NDF: 47.7/51



Right In: 37.414+/-0.008 χ^2/NDF: 4376743.7/22

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

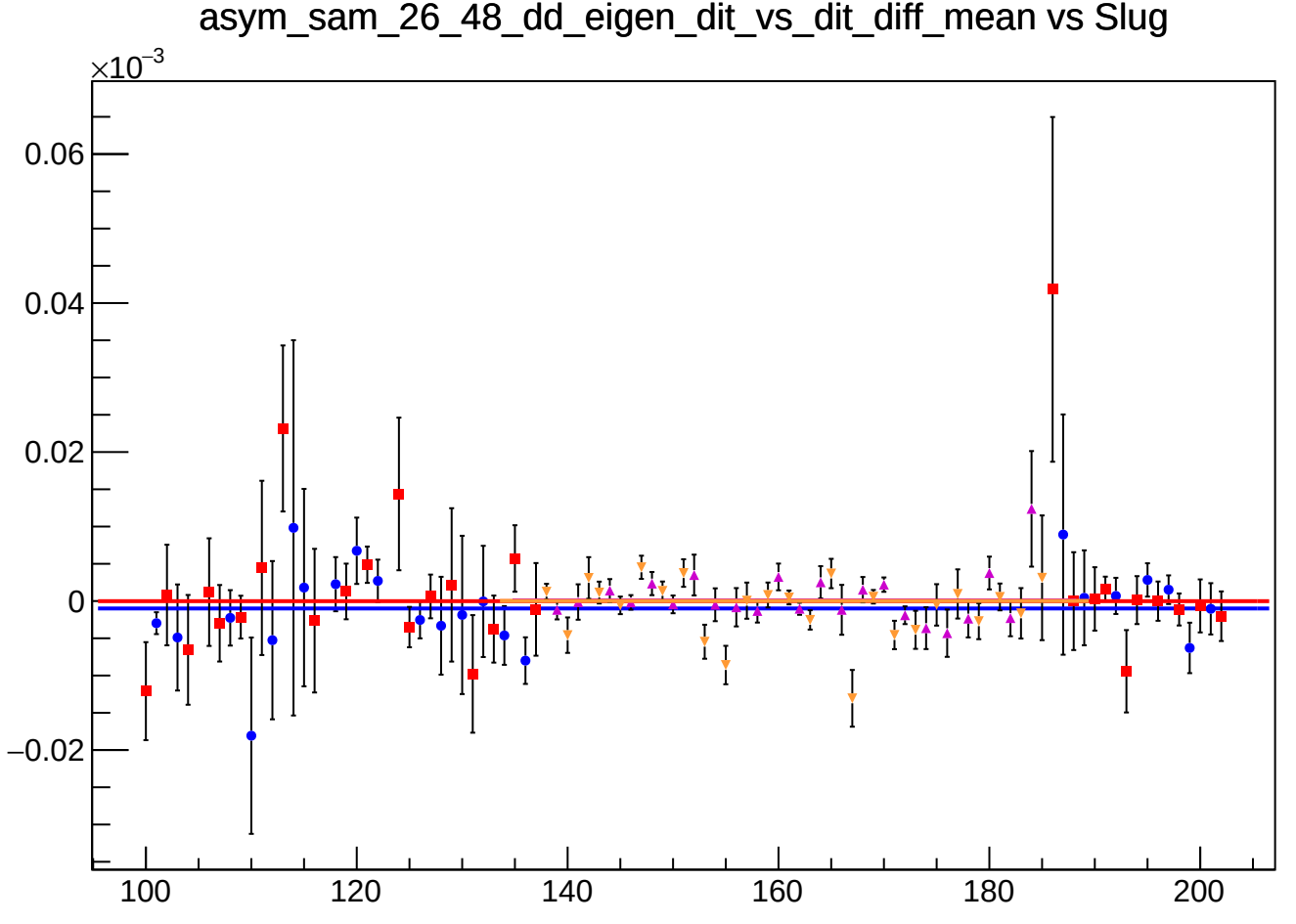
Right Out: 42.254+/-0.009 χ^2/NDF: 4169335.5/28

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 37.189+/-0.005 χ^2/NDF: 8431591.2/47

All: 38.083+/-0.004 χ^2/NDF: 15897422.9/99

- sign 39.024+/-0.005 χ^2/NDF: 7403466.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/28

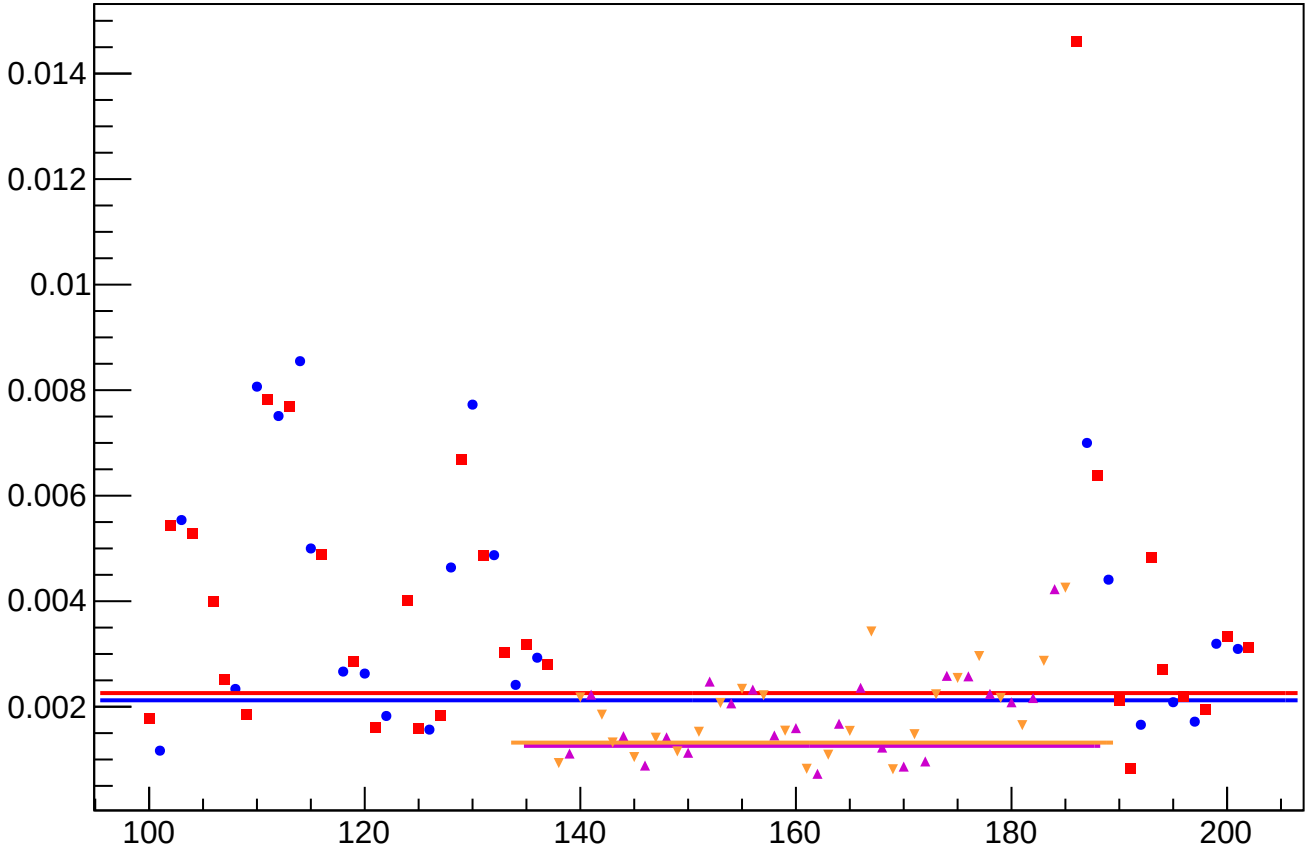
Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.5/47

All: -0.000+/-0.000 χ^2/NDF: 155.4/99

- sign 0.000+/-0.000 χ^2/NDF: 61.5/51

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4884670.1/22

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

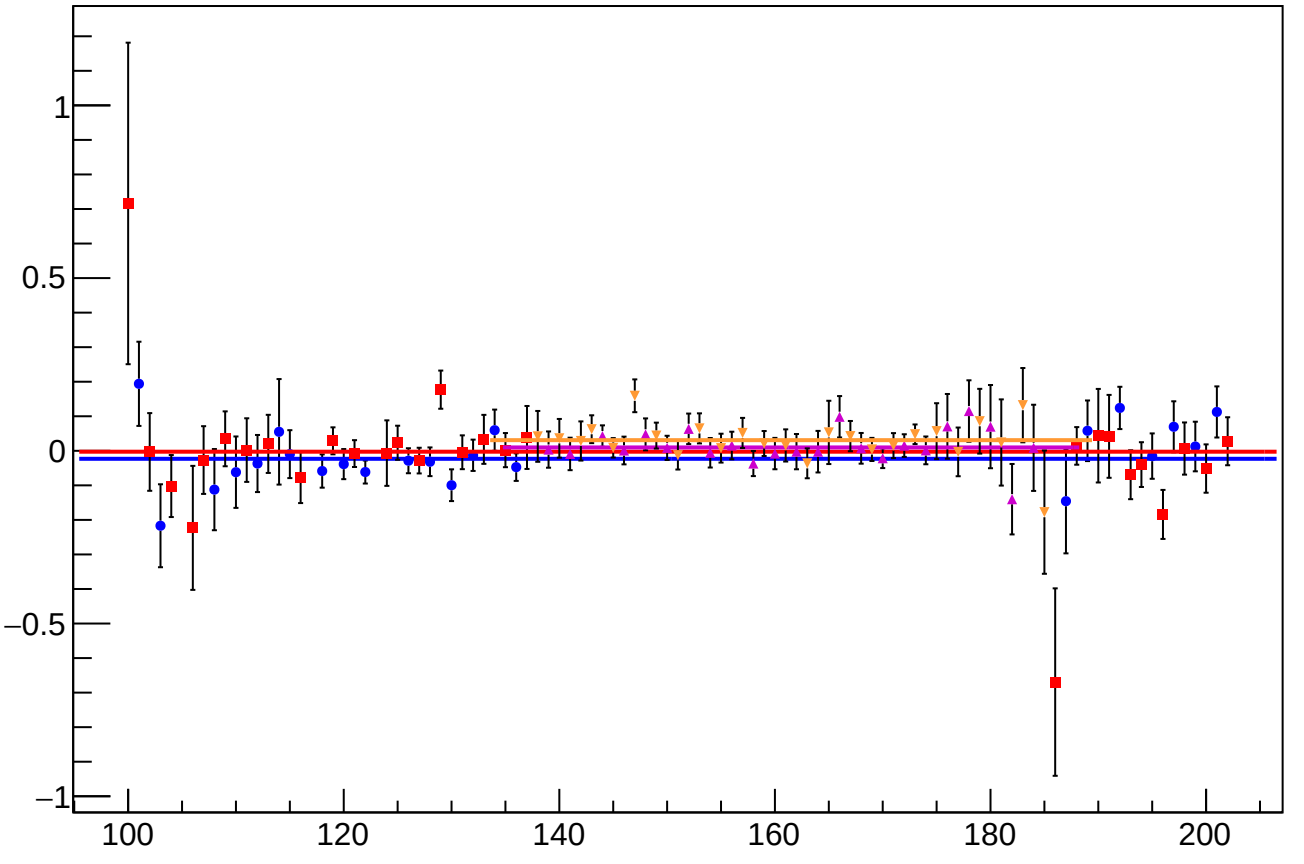
Right Out: 0.002+/-0.000 χ^2/NDF: 6925545.3/28

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 12668592.7/47

All: 0.001+/-0.000 χ^2/NDF: 28314454.4/99

- sign 0.001+/-0.000 χ^2/NDF: 15636417.0/51



Right In: -0.023+/-0.012 χ^2/NDF: 26.5/22

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

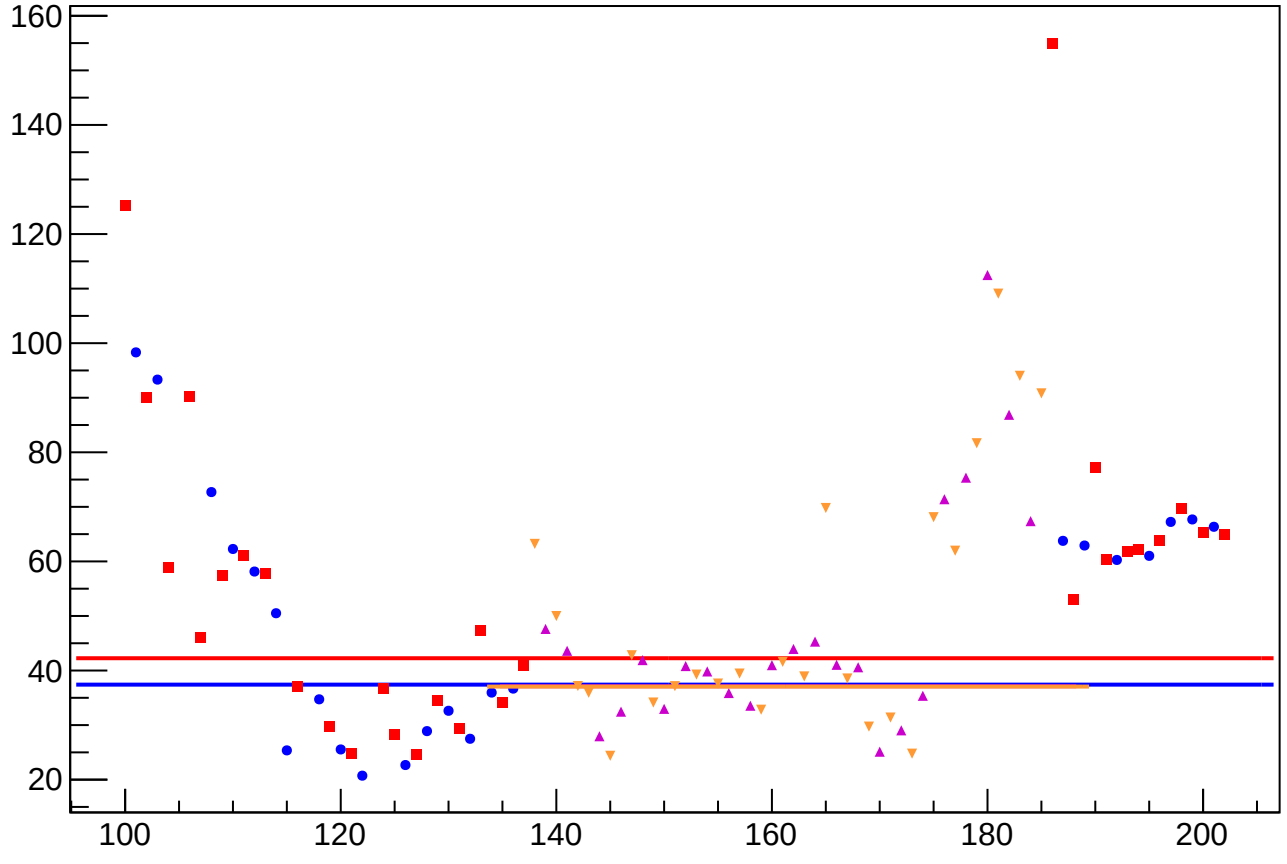
Right Out: -0.003+/-0.012 χ^2/NDF: 33.8/28

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.011+/-0.007 χ^2/NDF: 57.2/47

All: 0.008+/-0.005 χ^2/NDF: 105.2/99

- sign 0.005+/-0.007 χ^2/NDF: 47.7/51



Right In: 37.415+/-0.008 χ^2/NDF: 4376675.2/22

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

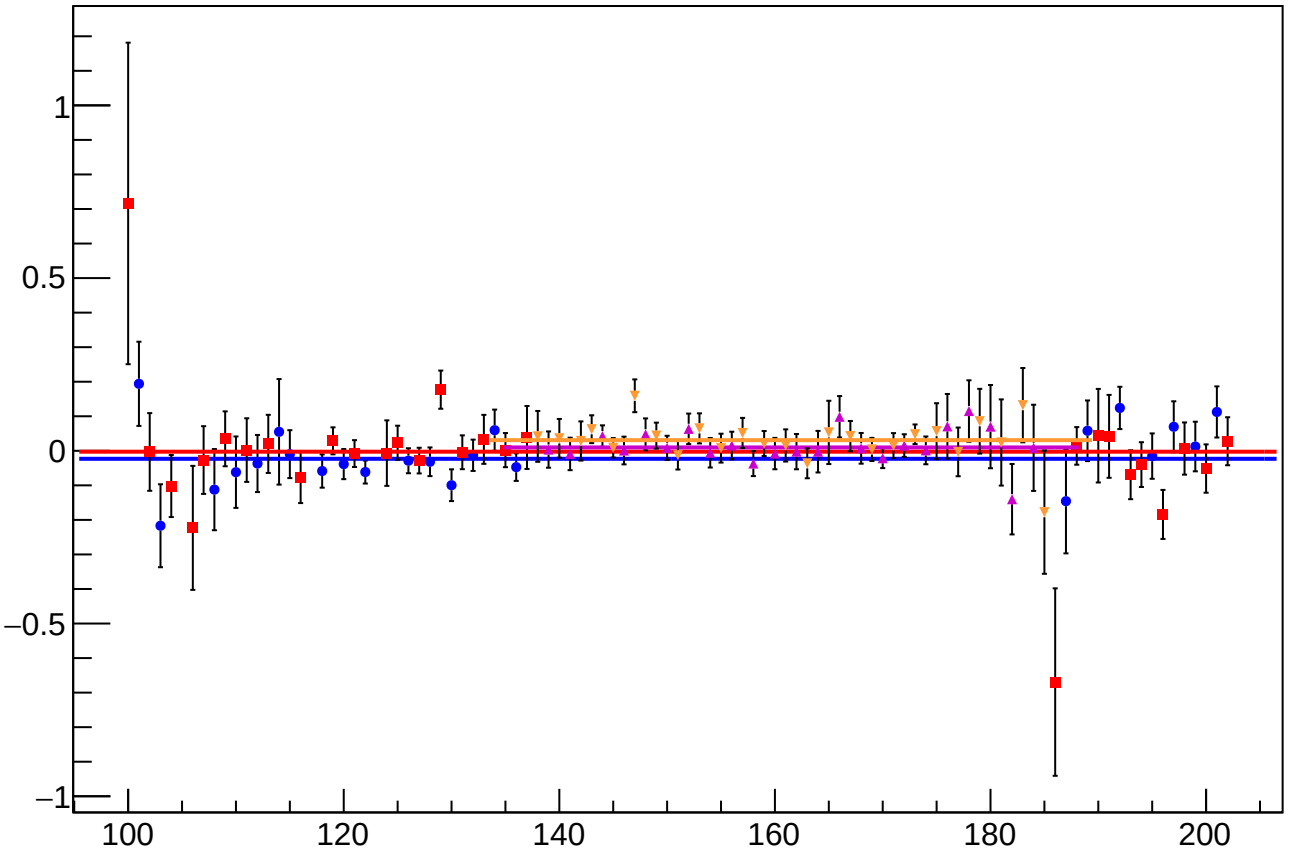
Right Out: 42.255+/-0.009 χ^2/NDF: 4169140.6/28

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 37.189+/-0.005 χ^2/NDF: 8431534.3/47

All: 38.083+/-0.004 χ^2/NDF: 15897184.6/99

- sign 39.024+/-0.005 χ^2/NDF: 7403285.2/51



Right In: -0.023+/-0.012 χ^2/NDF: 26.5/22

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

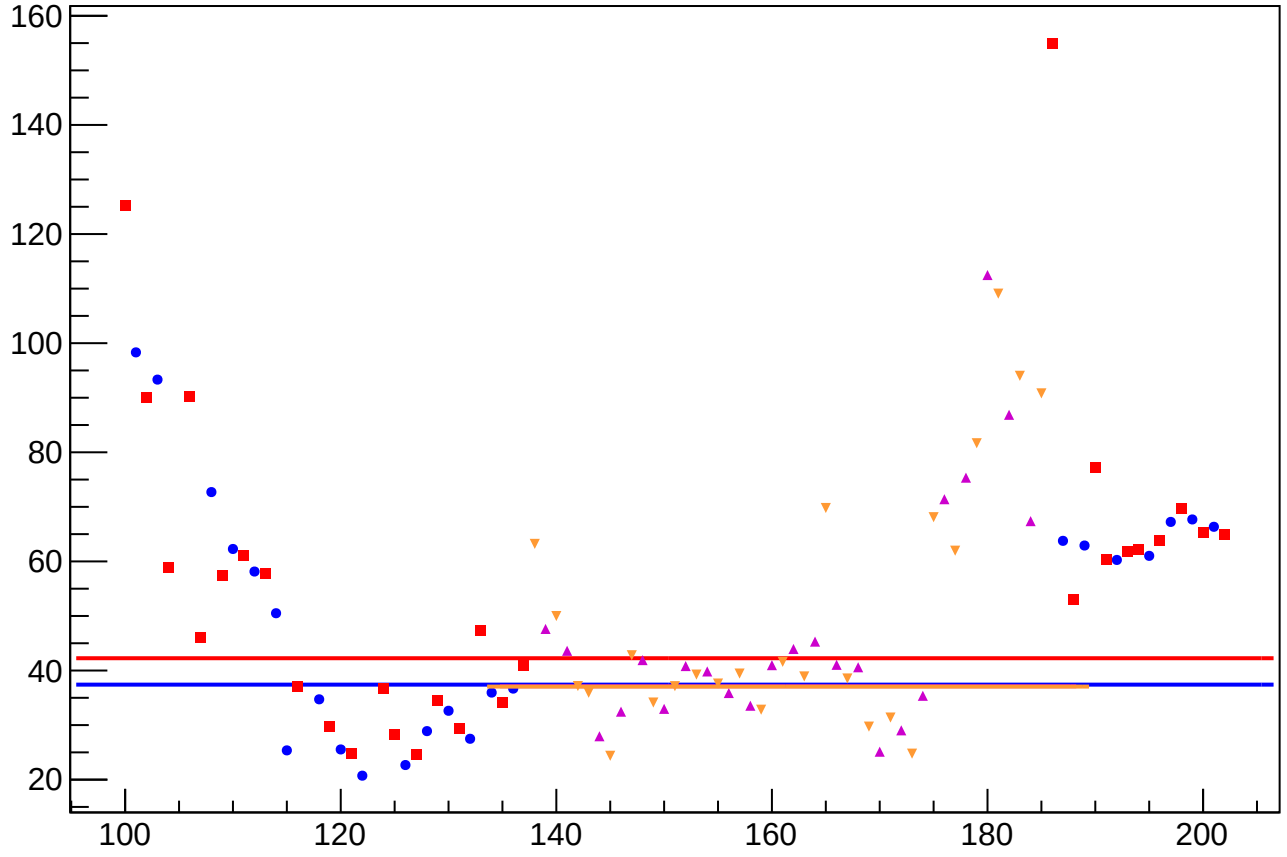
Right Out: -0.003+/-0.012 χ^2/NDF: 33.8/28

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.011+/-0.007 χ^2/NDF: 57.2/47

All: 0.008+/-0.005 χ^2/NDF: 105.2/99

- sign 0.005+/-0.007 χ^2/NDF: 47.7/51



Right In: 37.415+/-0.008 χ^2/NDF: 4376675.2/22

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

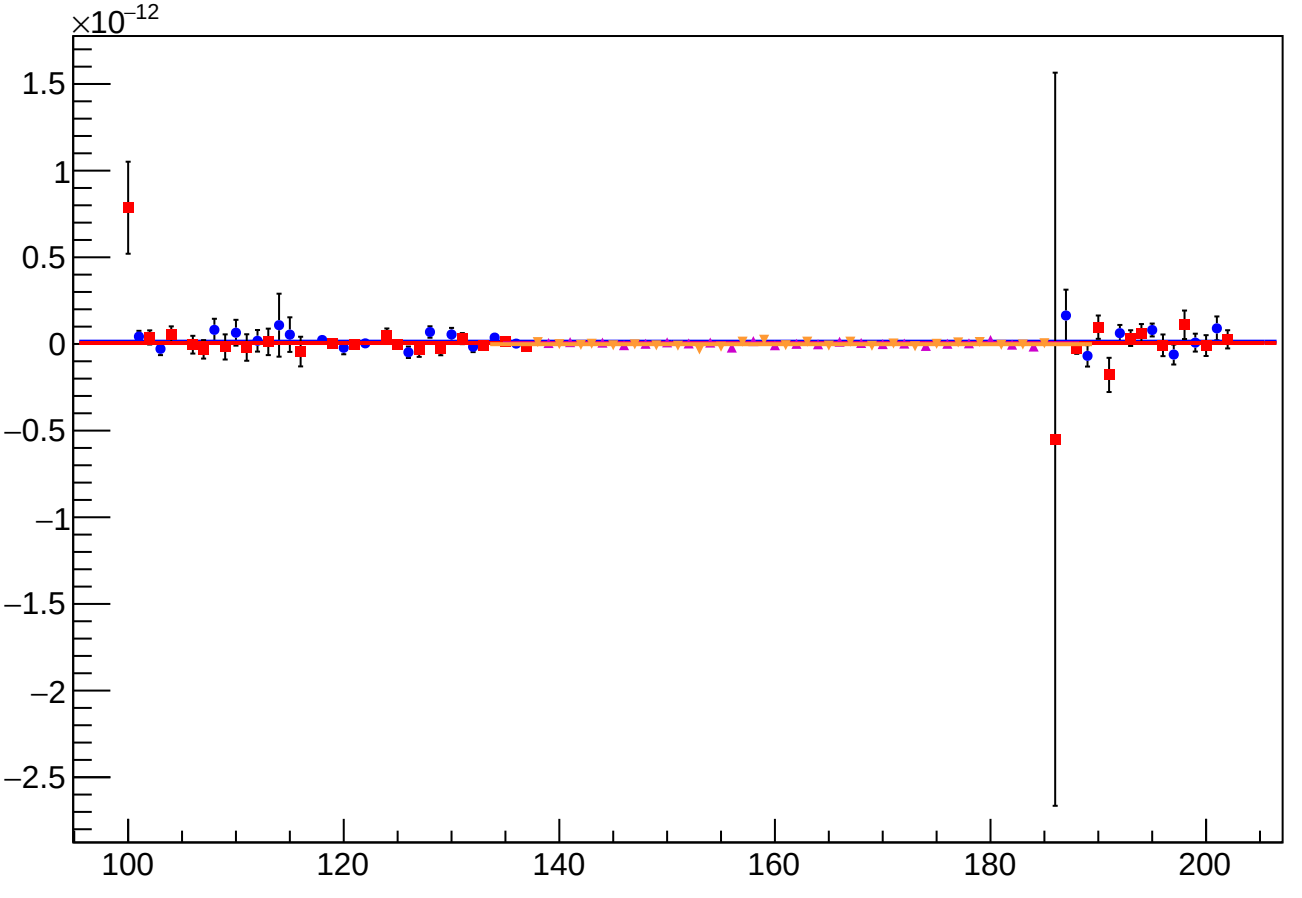
Right Out: 42.255+/-0.009 χ^2/NDF: 4169140.6/28

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 37.189+/-0.005 χ^2/NDF: 8431534.3/47

All: 38.083+/-0.004 χ^2/NDF: 15897184.6/99

- sign 39.024+/-0.005 χ^2/NDF: 7403285.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

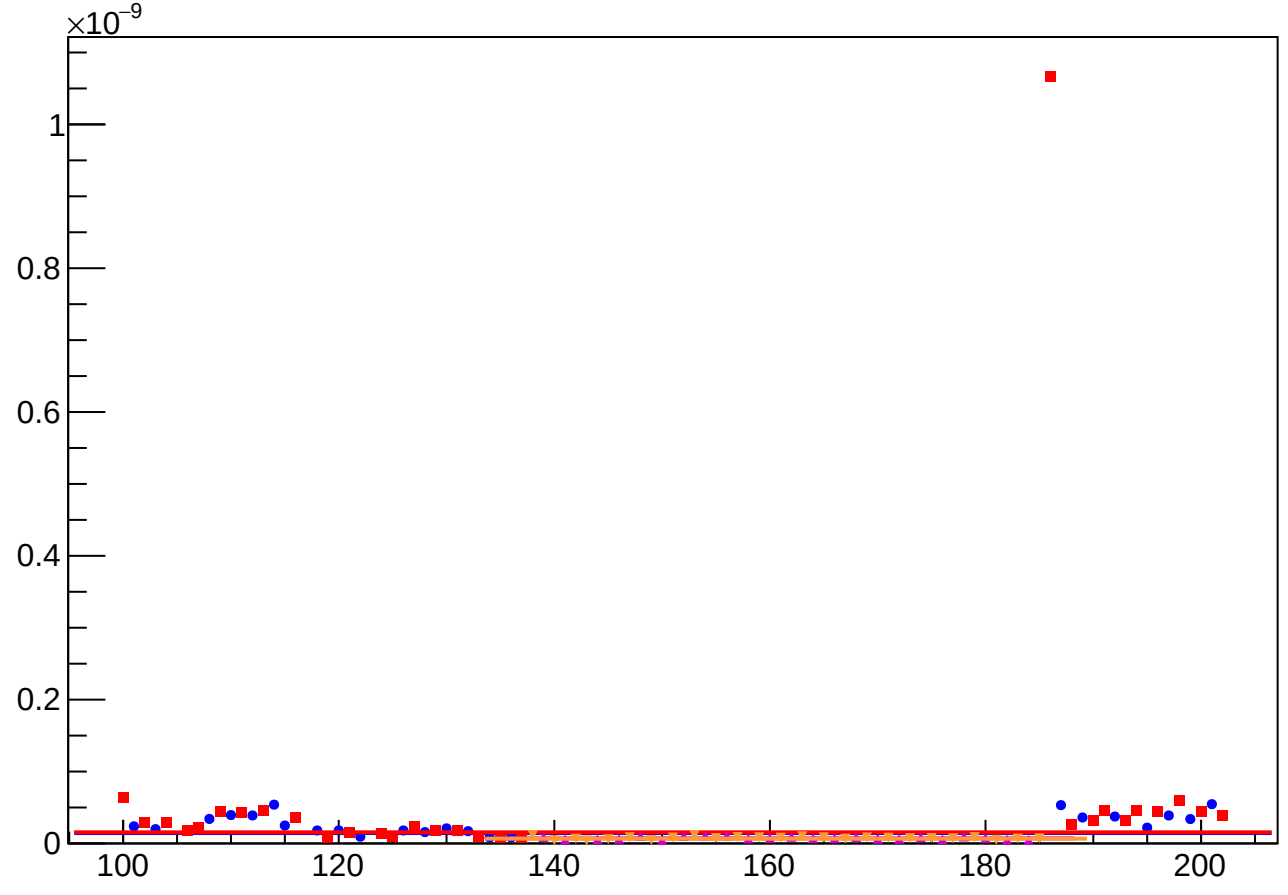
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/28

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.1/47

All: 0.000+/-0.000 χ^2/NDF: 107.3/99

- sign 0.000+/-0.000 χ^2/NDF: 47.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 4602640.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6875662.1/28

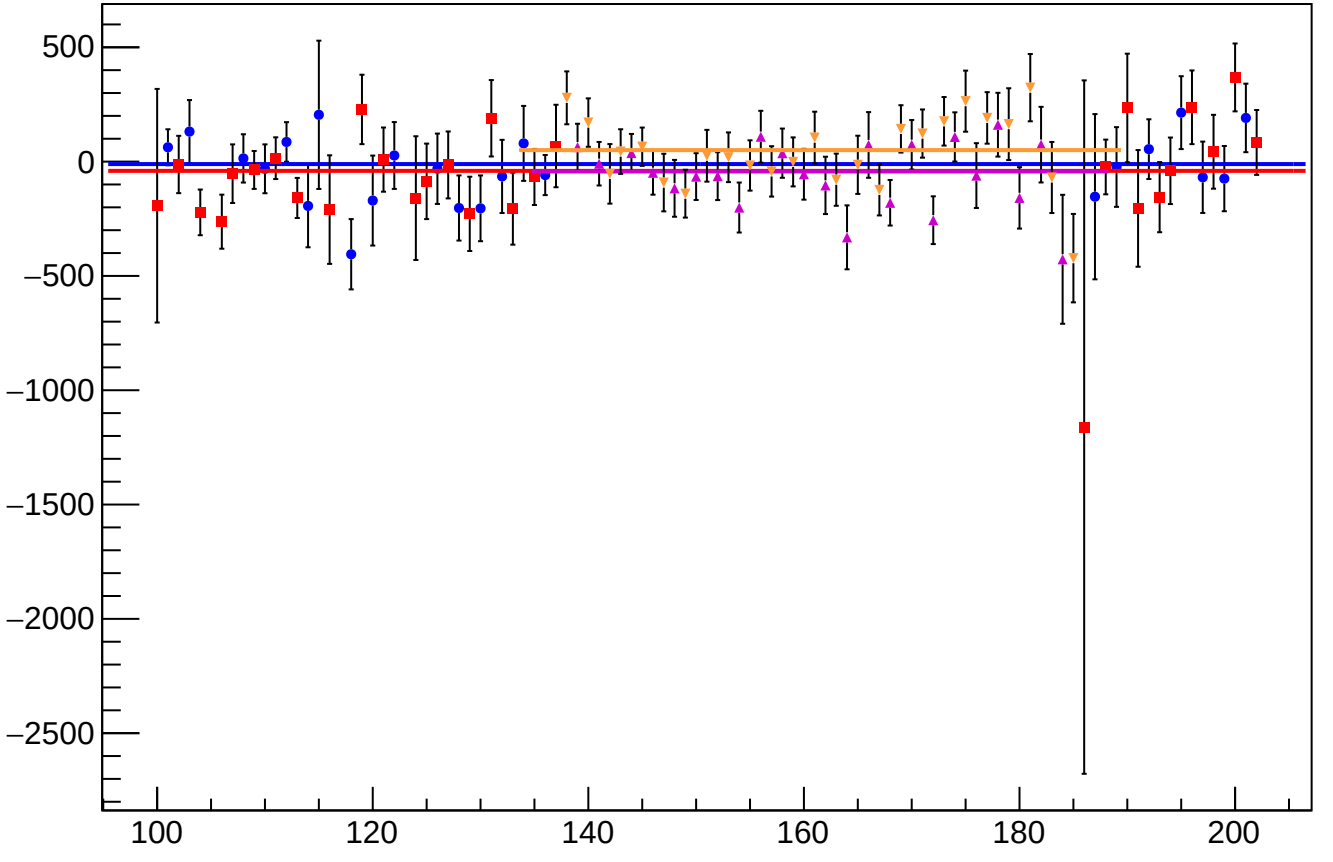
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9494609.8/47

All: 0.000+/-0.000 χ^2/NDF: 21140975.0/99

- sign 0.000+/-0.000 χ^2/NDF: 11563664.0/51

reg_asym_sam_1548_avg_mean vs Slug



Right In: -10.783+/-27.751 χ^2/NDF: 21.0/22

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -40.465+/-25.985 χ^2/NDF: 32.5/28

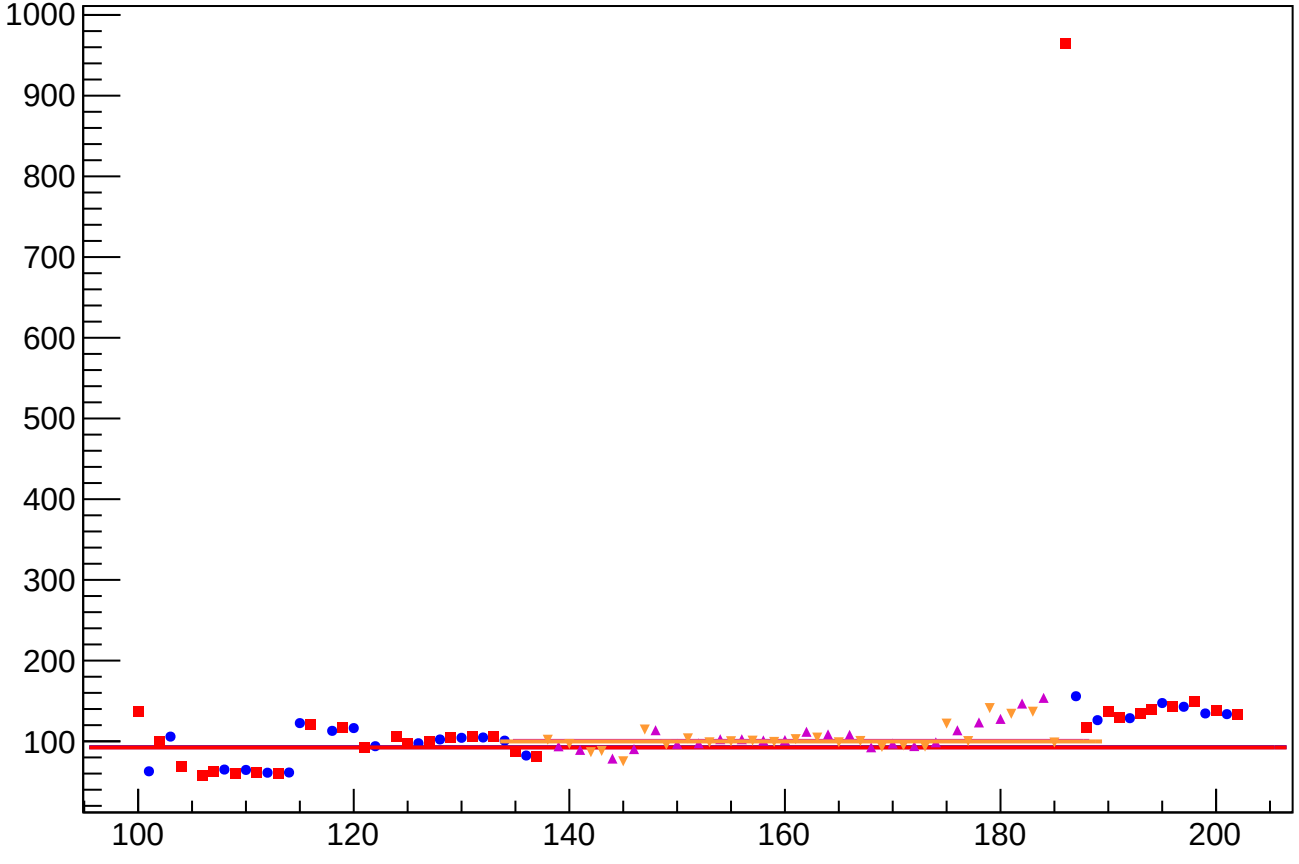
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.489+/-17.689 χ^2/NDF: 57.3/47

All: -8.482+/-12.453 χ^2/NDF: 123.7/99

- sign -41.860+/-17.534 χ^2/NDF: 59.1/51

reg_asym_sam_1548_avg_rms vs Slug



Right In: 92.697+/-0.020 χ^2/NDF: 2107186.3/22

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

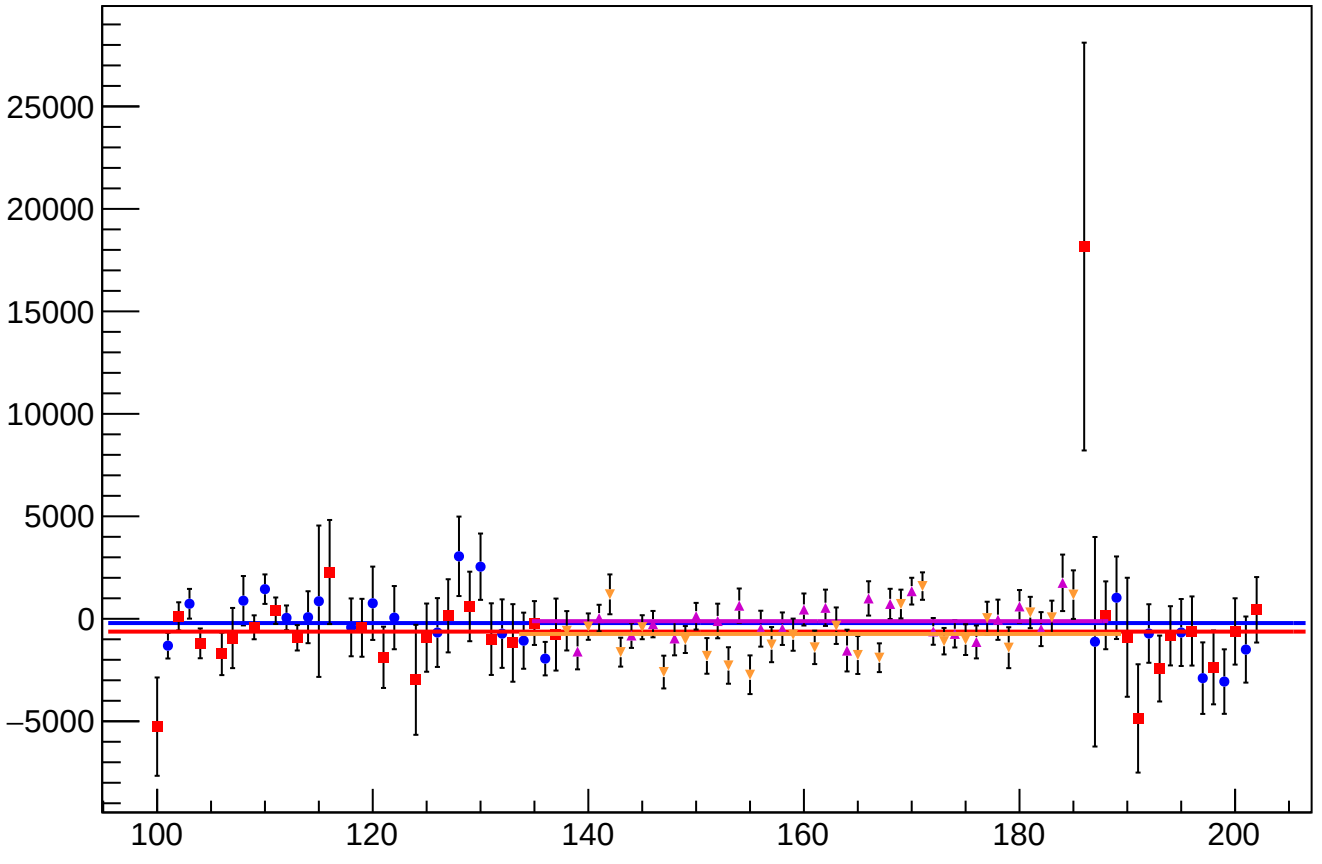
Right Out: 92.380+/-0.018 χ^2/NDF: 3399947.0/28

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 96.937+/-0.013 χ^2/NDF: 2883593.6/47

All: 96.869+/-0.009 χ^2/NDF: 7046771.8/99

- sign 96.802+/-0.012 χ^2/NDF: 4163119.0/51



Right In: -207.726+/-239.688 χ^2/NDF: 29.3/22

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -625.257+/-220.769 χ^2/NDF: 22.4/28

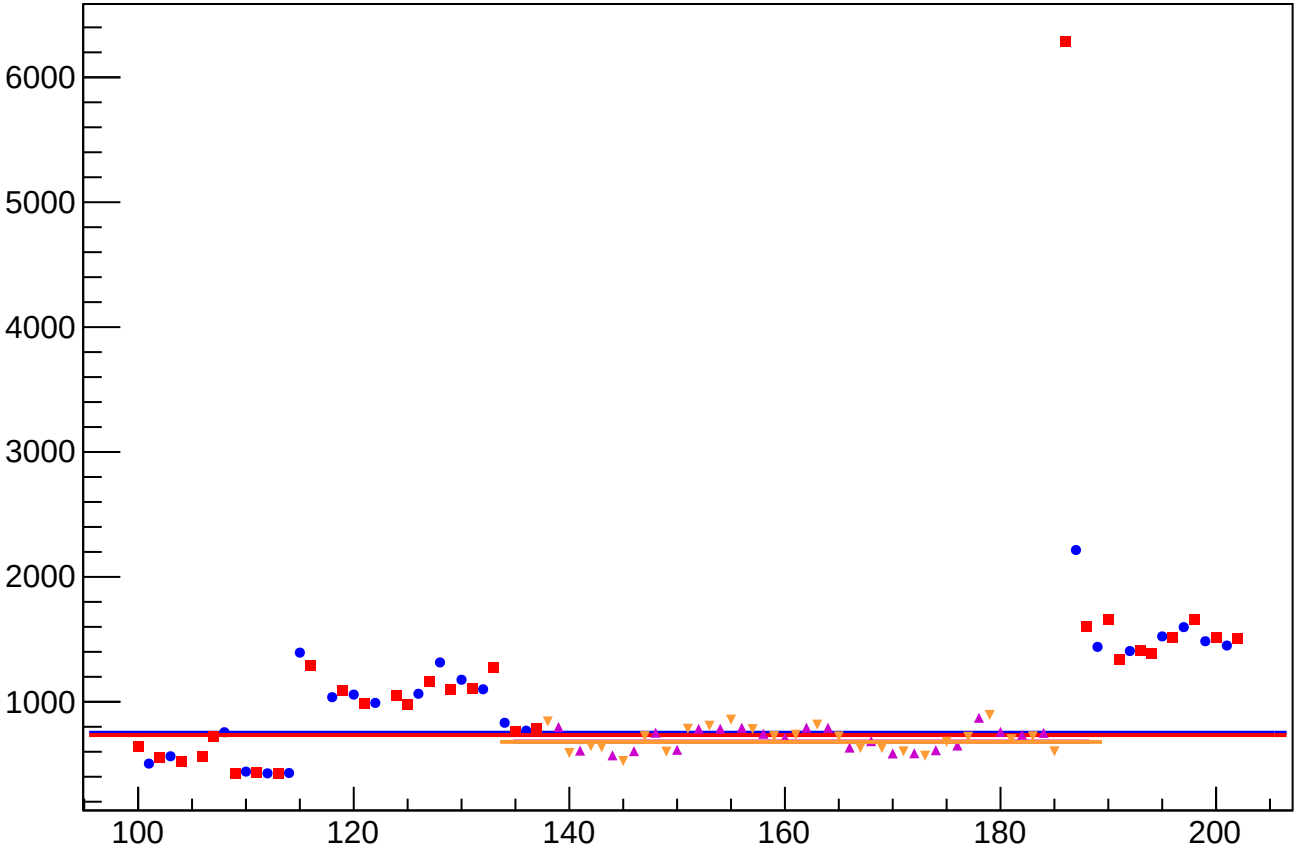
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -580.027+/-130.930 χ^2/NDF: 82.4/47

All: -435.354+/-92.278 χ^2/NDF: 134.4/99

- sign -292.558+/-130.077 χ^2/NDF: 49.6/51

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 752.261+/-0.169 χ^2/NDF: 4786680.0/22

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 733.780+/-0.156 χ^2/NDF: 6812274.5/28

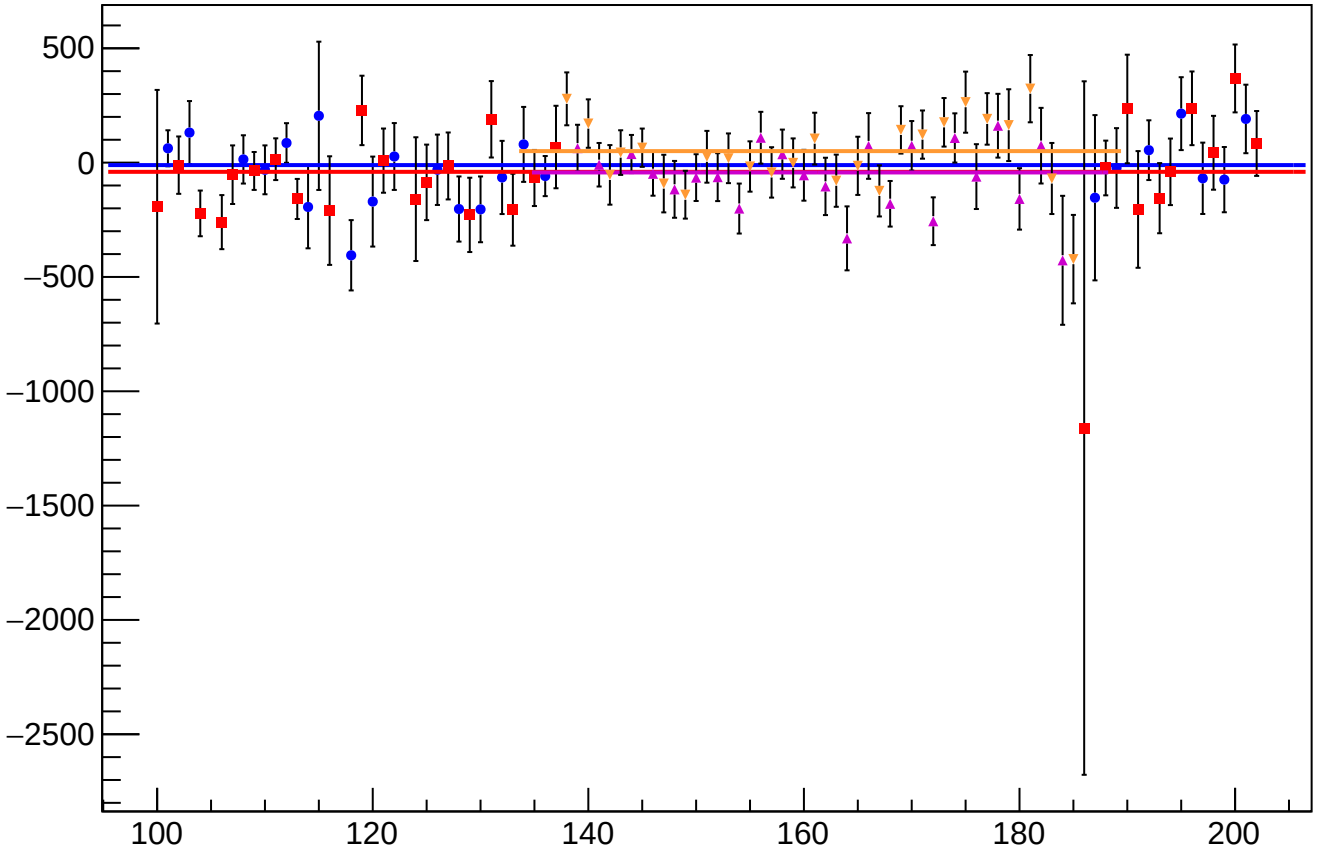
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 700.963+/-0.093 χ^2/NDF: 5654670.8/47

All: 700.431+/-0.065 χ^2/NDF: 13112947.1/99

- sign 699.906+/-0.092 χ^2/NDF: 7458210.7/51

cor_asym_sam_1548_avg_mean vs Slug



Right In: -10.785+/-27.751 χ^2/NDF: 21.0/22

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -40.265+/-25.986 χ^2/NDF: 32.4/28

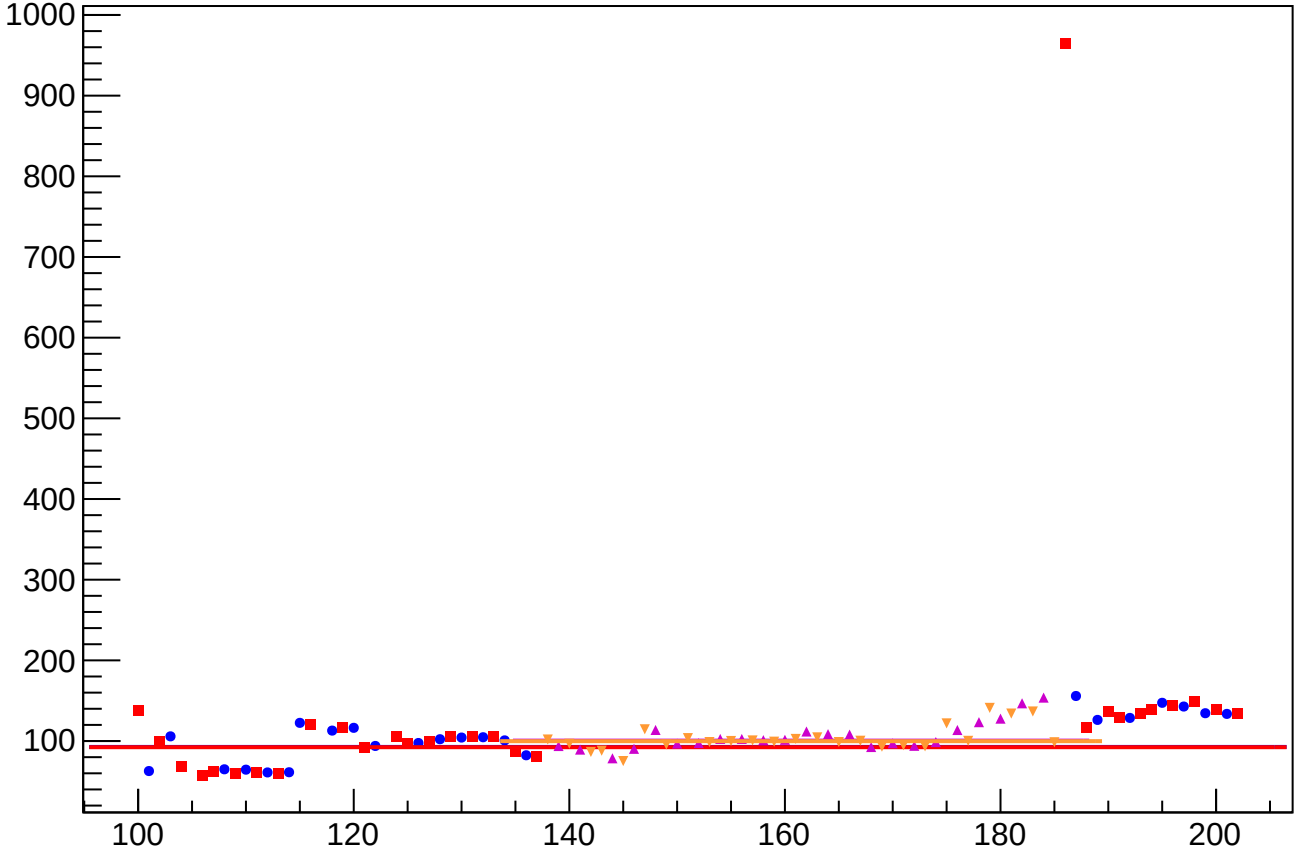
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.493+/-17.689 χ^2/NDF: 57.3/47

All: -8.433+/-12.453 χ^2/NDF: 123.6/99

- sign -41.769+/-17.534 χ^2/NDF: 59.0/51

cor_asym_sam_1548_avg_rms vs Slug



Right In: 92.697+/-0.020 χ^2/NDF: 2107187.7/22

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

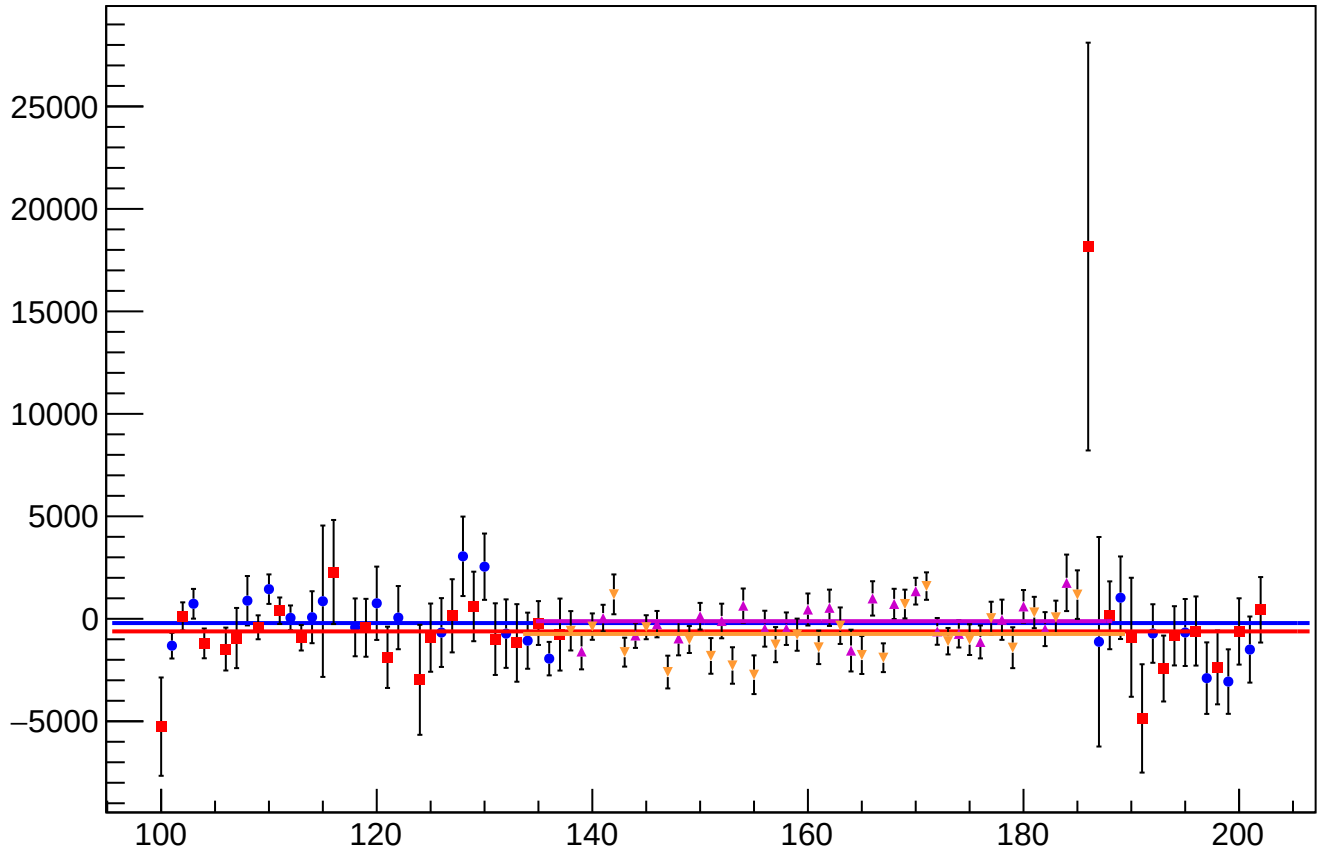
Right Out: 92.367+/-0.018 χ^2/NDF: 3403203.2/28

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 96.937+/-0.013 χ^2/NDF: 2883594.7/47

All: 96.866+/-0.009 χ^2/NDF: 7050362.8/99

- sign 96.796+/-0.012 χ^2/NDF: 4166703.9/51



Right In: -207.751+/-239.691 χ^2/NDF: 29.3/22

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -614.234+/-220.886 χ^2/NDF: 21.9/28

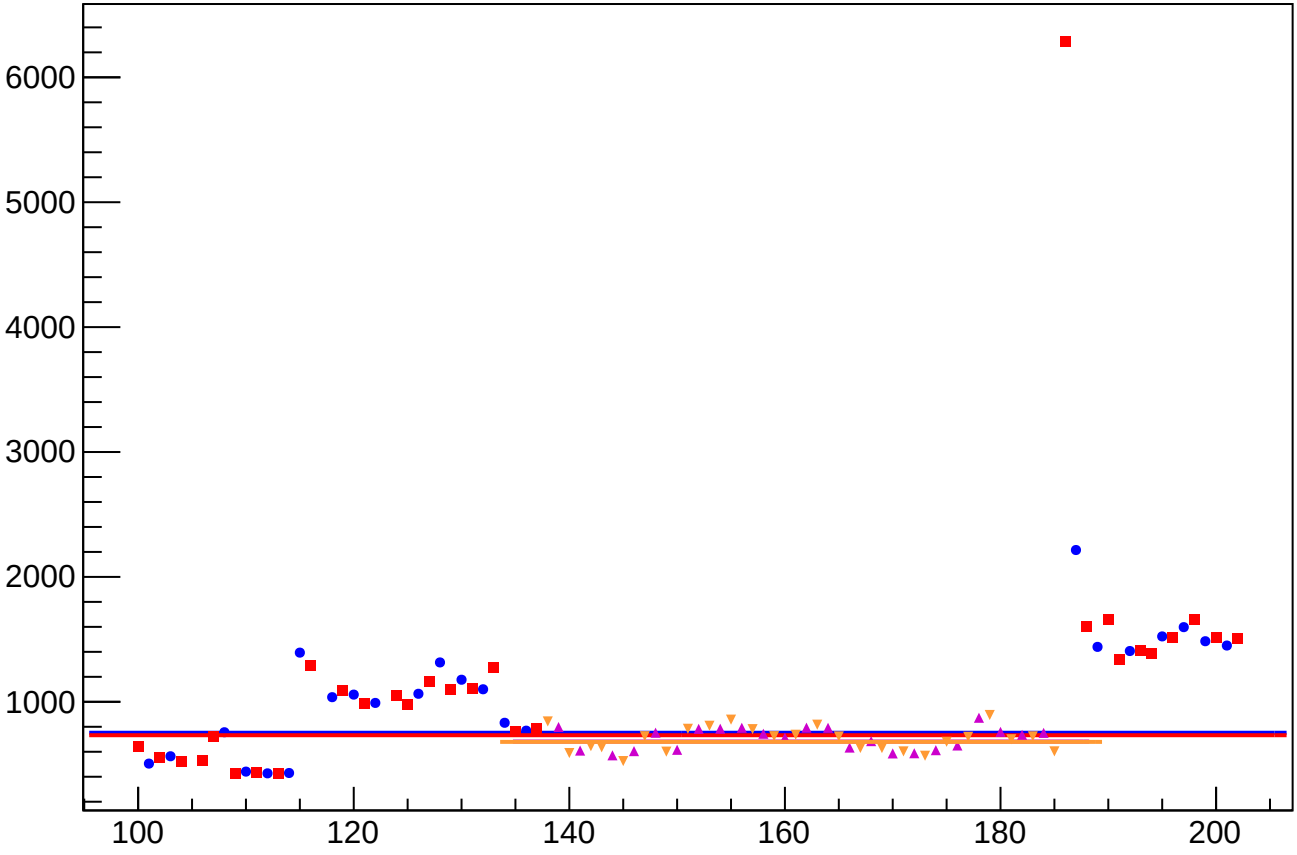
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -580.029+/-130.930 χ^2/NDF: 82.4/47

All: -433.395+/-92.287 χ^2/NDF: 133.9/99

- sign -288.611+/-130.101 χ^2/NDF: 49.0/51

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 752.272+/-0.169 χ^2/NDF: 4786571.2/22

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 732.482+/-0.156 χ^2/NDF: 6833935.2/28

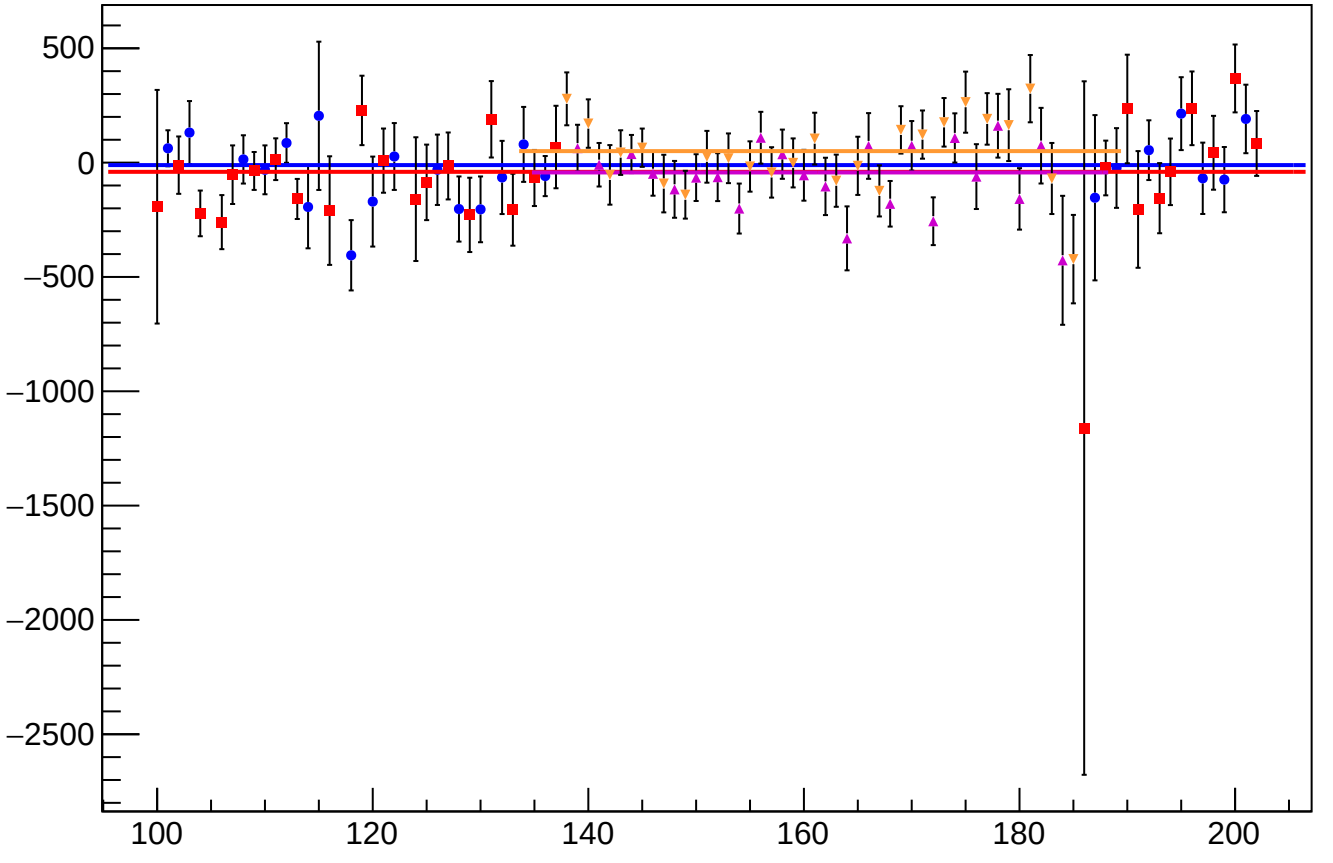
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 700.966+/-0.093 χ^2/NDF: 5654595.3/47

All: 700.200+/-0.065 χ^2/NDF: 13130992.2/99

- sign 699.443+/-0.092 χ^2/NDF: 7476260.8/51

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -10.785+/-27.751 χ^2/NDF: 21.0/22

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -40.265+/-25.986 χ^2/NDF: 32.4/28

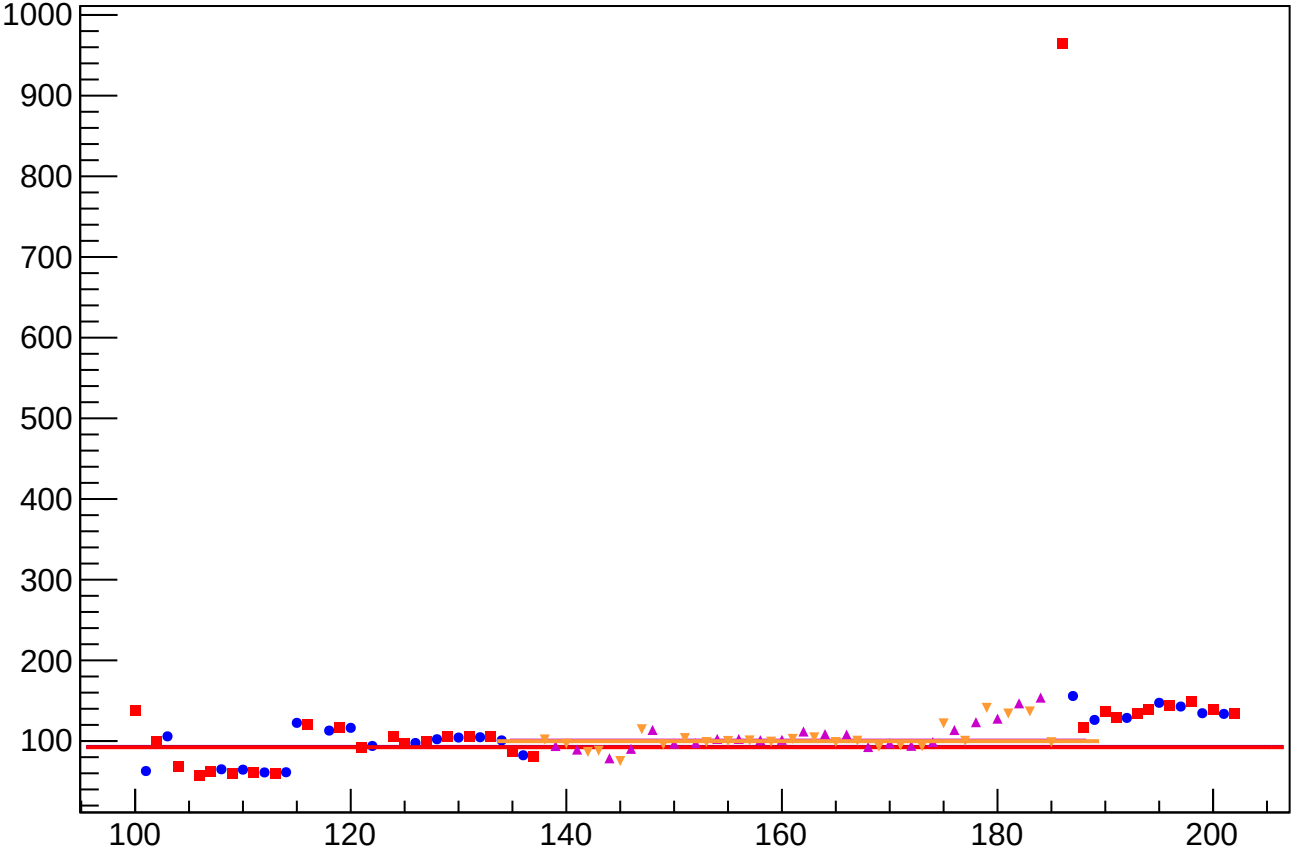
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.493+/-17.689 χ^2/NDF: 57.3/47

All: -8.433+/-12.453 χ^2/NDF: 123.6/99

- sign -41.769+/-17.534 χ^2/NDF: 59.0/51

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 92.697+/-0.020 χ^2/NDF: 2107187.7/22

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

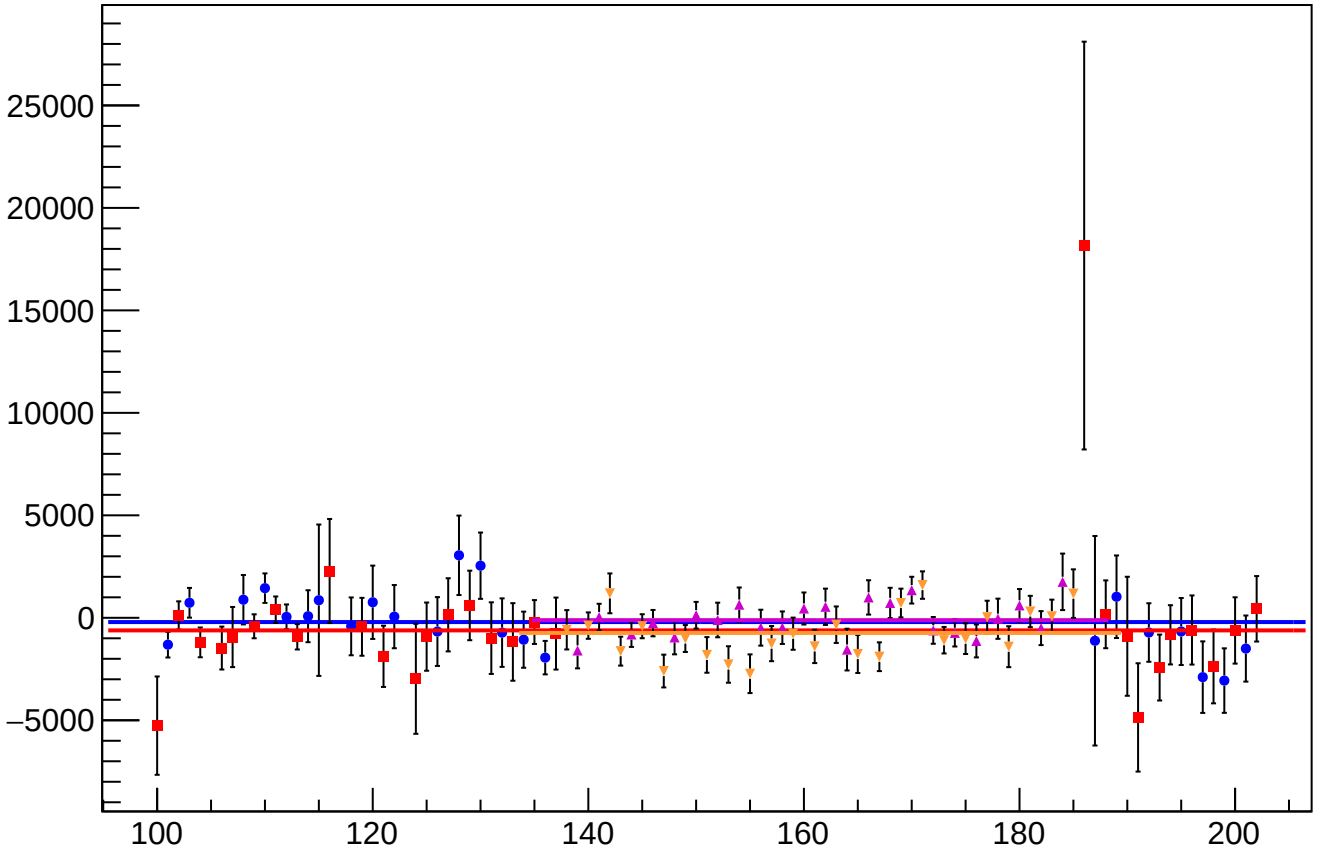
Right Out: 92.367+/-0.018 χ^2/NDF: 3403203.2/28

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 96.937+/-0.013 χ^2/NDF: 2883594.7/47

All: 96.866+/-0.009 χ^2/NDF: 7050362.8/99

- sign 96.796+/-0.012 χ^2/NDF: 4166703.9/51



Right In: -207.751+/-239.691 χ^2/NDF: 29.3/22

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -614.234+/-220.886 χ^2/NDF: 21.9/28

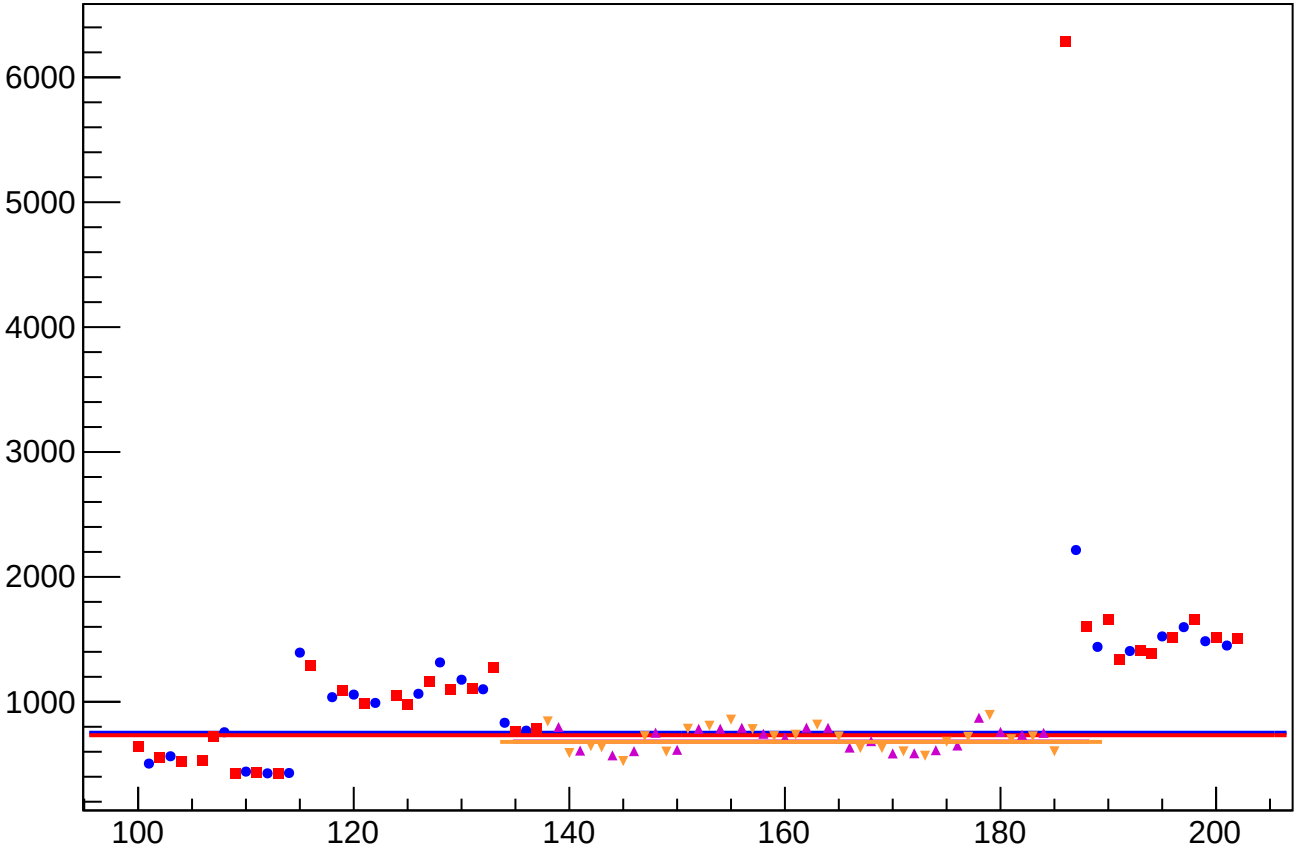
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -580.029+/-130.930 χ^2/NDF: 82.4/47

All: -433.395+/-92.287 χ^2/NDF: 133.9/99

- sign -288.611+/-130.101 χ^2/NDF: 49.0/51

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 752.272+/-0.169 χ^2/NDF: 4786571.2/22

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 732.482+/-0.156 χ^2/NDF: 6833935.2/28

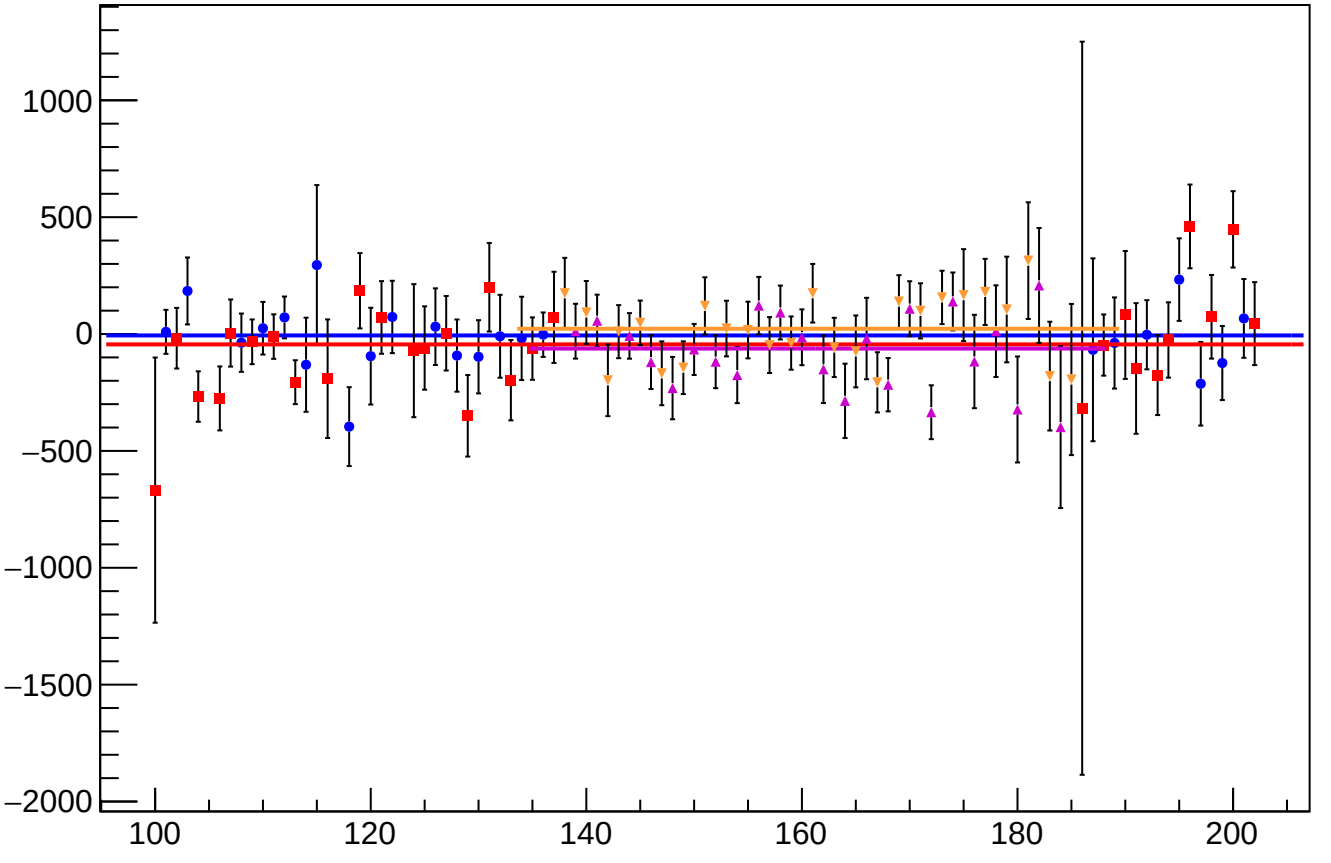
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 700.966+/-0.093 χ^2/NDF: 5654595.3/47

All: 700.200+/-0.065 χ^2/NDF: 13130992.2/99

- sign 699.443+/-0.092 χ^2/NDF: 7476260.8/51

dit_asym_sam_1548_avg_mean vs Slug



Right In: -6.025+/-30.512 χ^2/NDF: 14.3/22

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -44.264+/-28.533 χ^2/NDF: 39.2/28

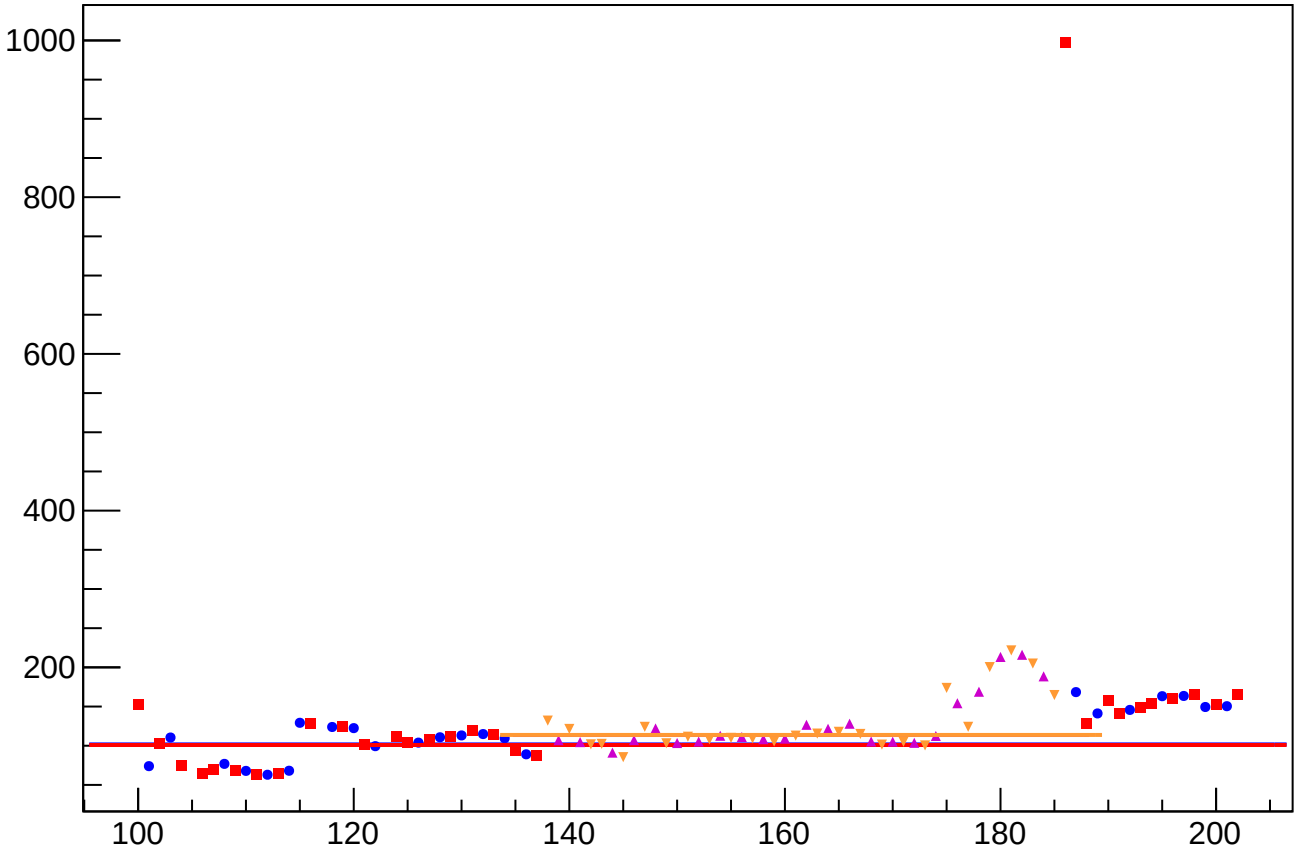
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 10.183+/-20.069 χ^2/NDF: 36.4/47

All: -22.235+/-14.073 χ^2/NDF: 108.3/99

- sign -53.599+/-19.740 χ^2/NDF: 66.7/51

dit_asym_sam_1548_avg_rms vs Slug



Right In: 101.659+/-0.022 χ^2/NDF: 2156730.3/22

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 100.935+/-0.020 χ^2/NDF: 3533475.7/28

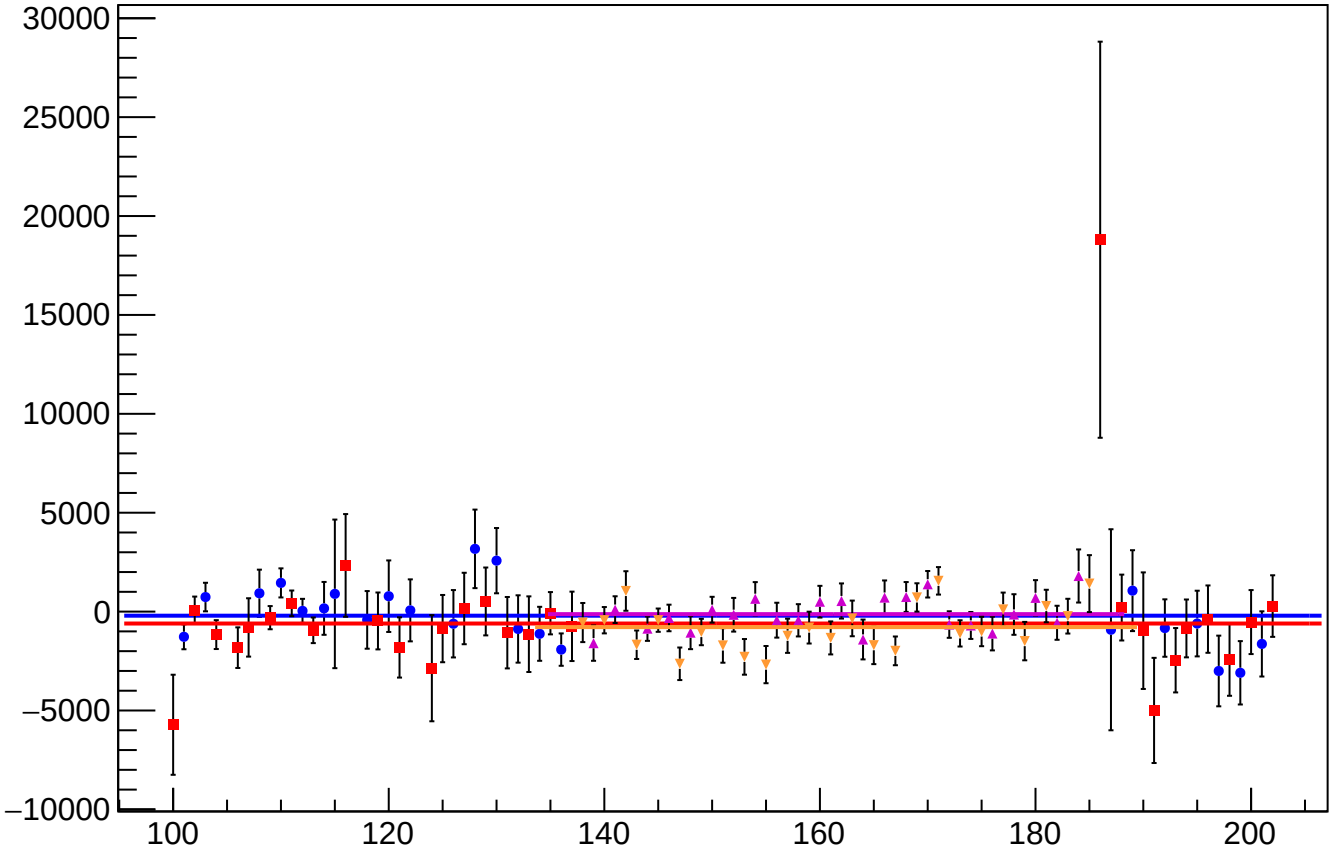
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 108.528+/-0.014 χ^2/NDF: 3915318.7/47

All: 108.045+/-0.010 χ^2/NDF: 8975041.3/99

- sign 107.578+/-0.014 χ^2/NDF: 5057444.8/51

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -206.848+/-242.198 χ^2/NDF: 29.1/22

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -602.771+/-223.054 χ^2/NDF: 23.1/28

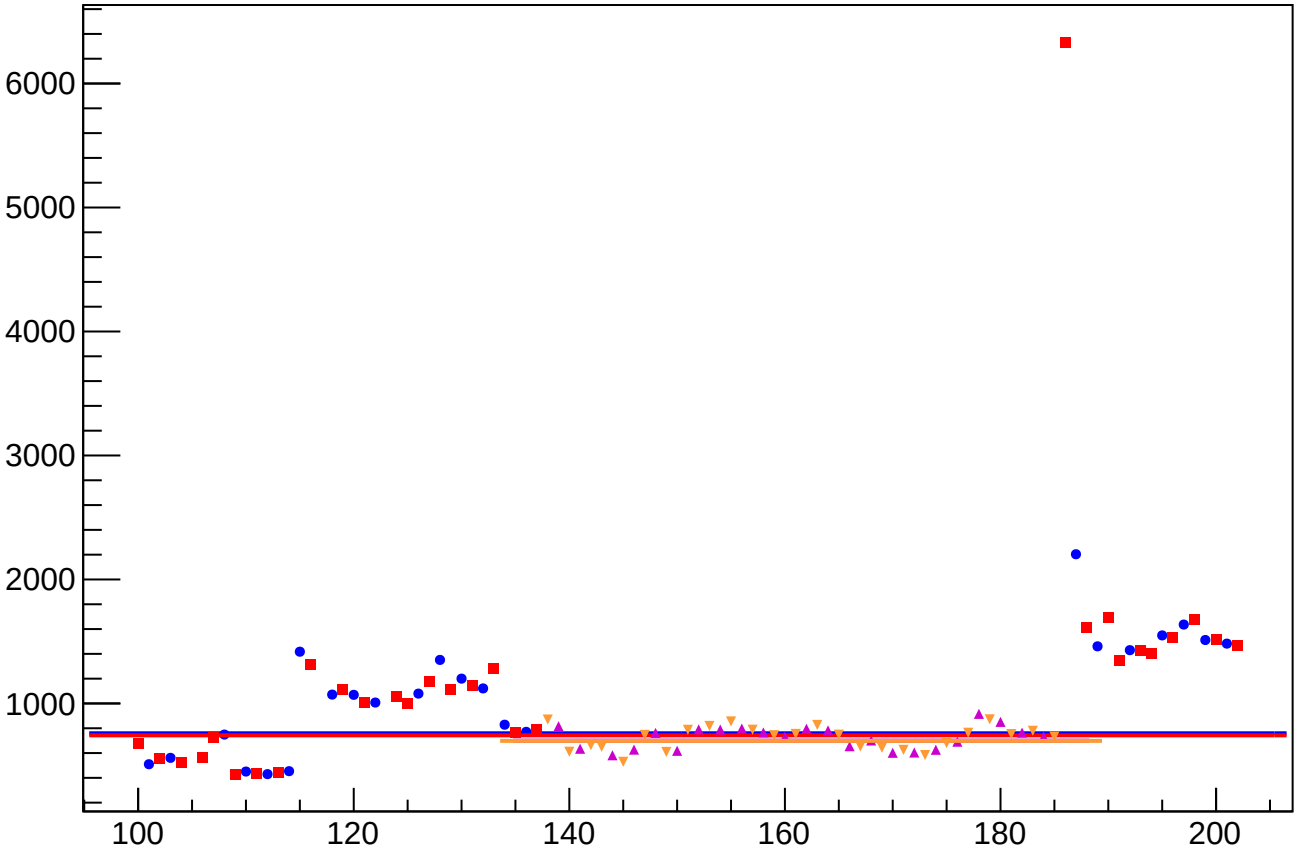
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -608.113+/-133.779 χ^2/NDF: 78.5/47

All: -451.066+/-94.242 χ^2/NDF: 130.0/99

- sign -296.349+/-132.783 χ^2/NDF: 48.8/51

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 759.477+/-0.171 χ^2/NDF: 4842391.2/22

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 742.757+/-0.158 χ^2/NDF: 6763907.7/28

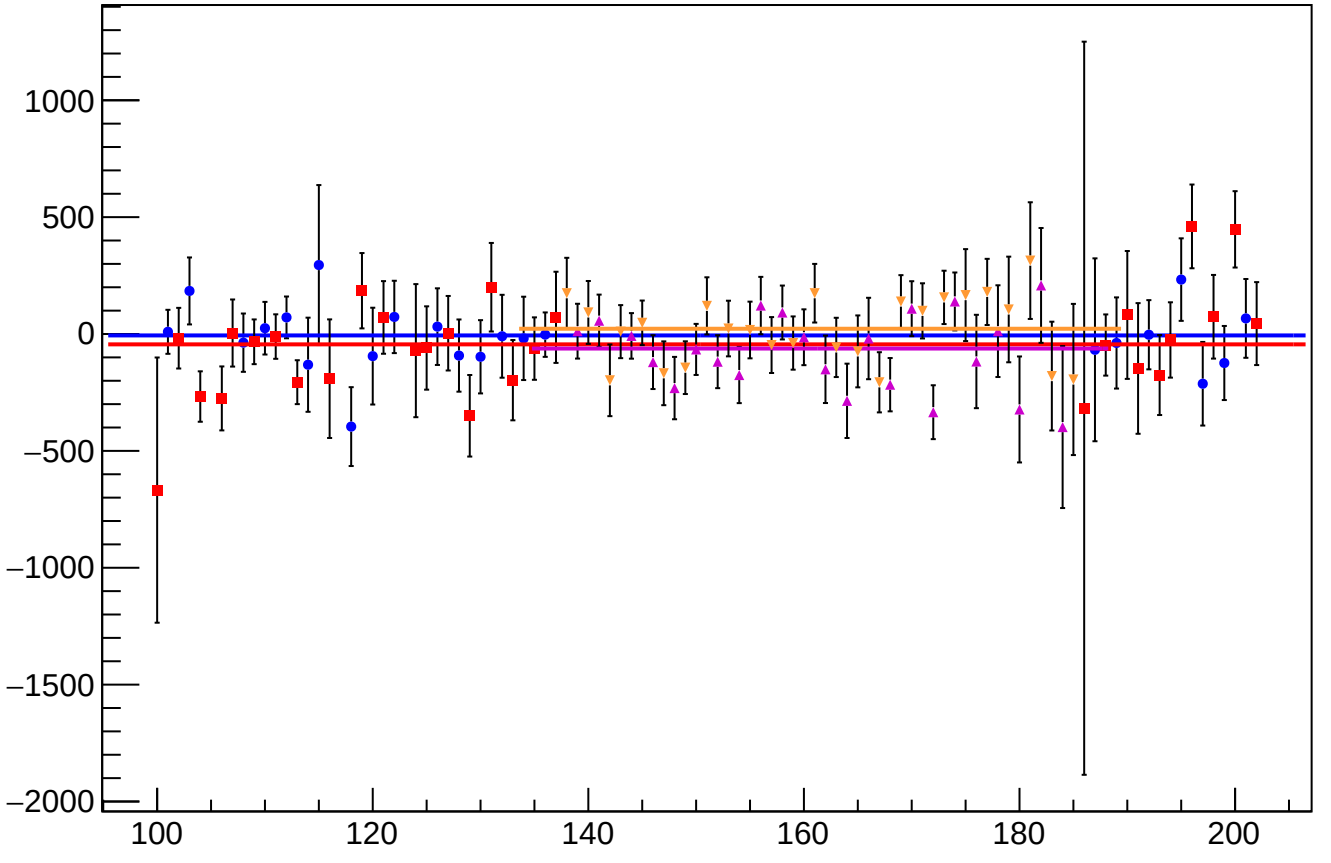
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 716.921+/-0.095 χ^2/NDF: 5645932.6/47

All: 716.056+/-0.067 χ^2/NDF: 13041596.1/99

- sign 715.203+/-0.094 χ^2/NDF: 7395497.4/51

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -6.024+/-30.512 χ^2/NDF: 14.3/22

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -44.264+/-28.533 χ^2/NDF: 39.2/28

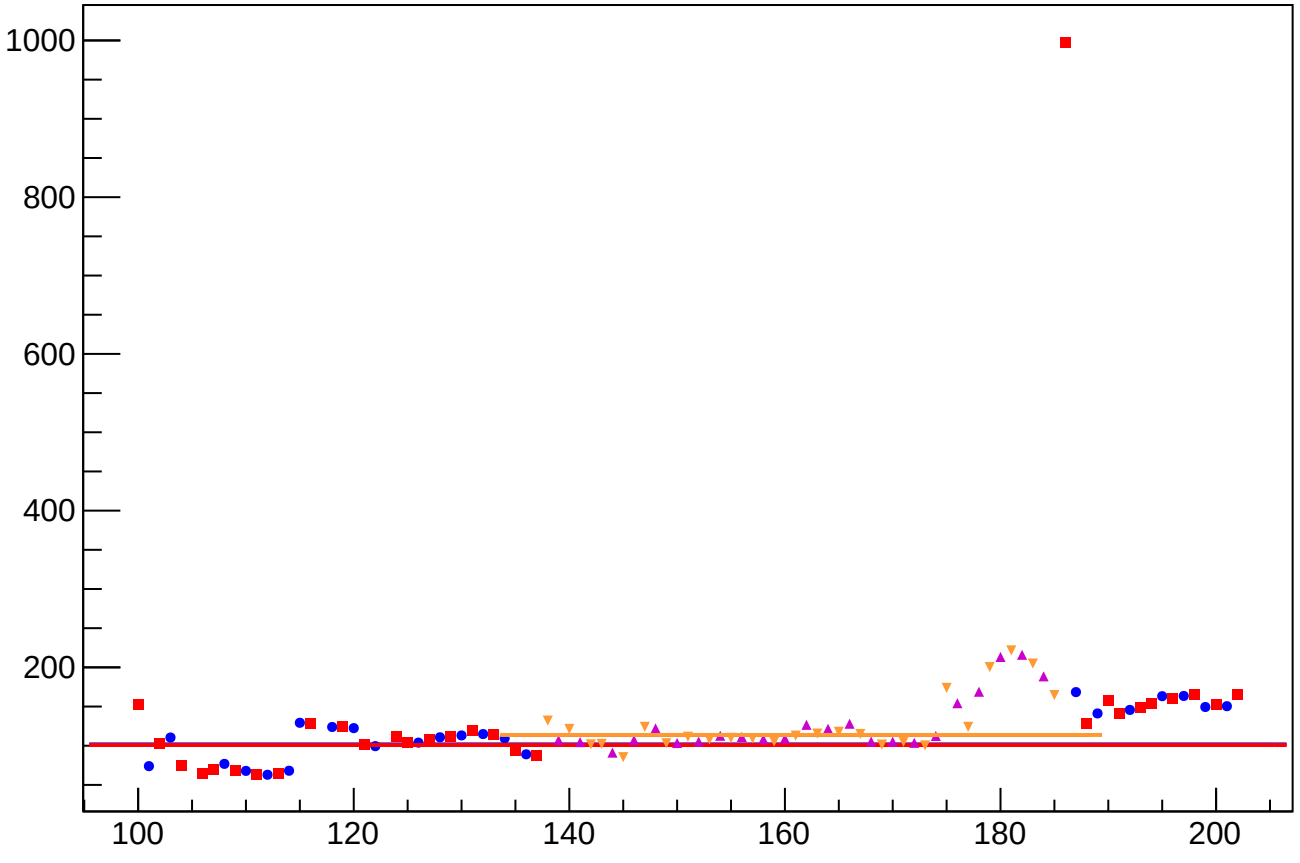
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 10.185+/-20.069 χ^2/NDF: 36.4/47

All: -22.234+/-14.073 χ^2/NDF: 108.3/99

- sign -53.599+/-19.740 χ^2/NDF: 66.7/51

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 101.659+/-0.022 χ^2/NDF: 2156720.8/22

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

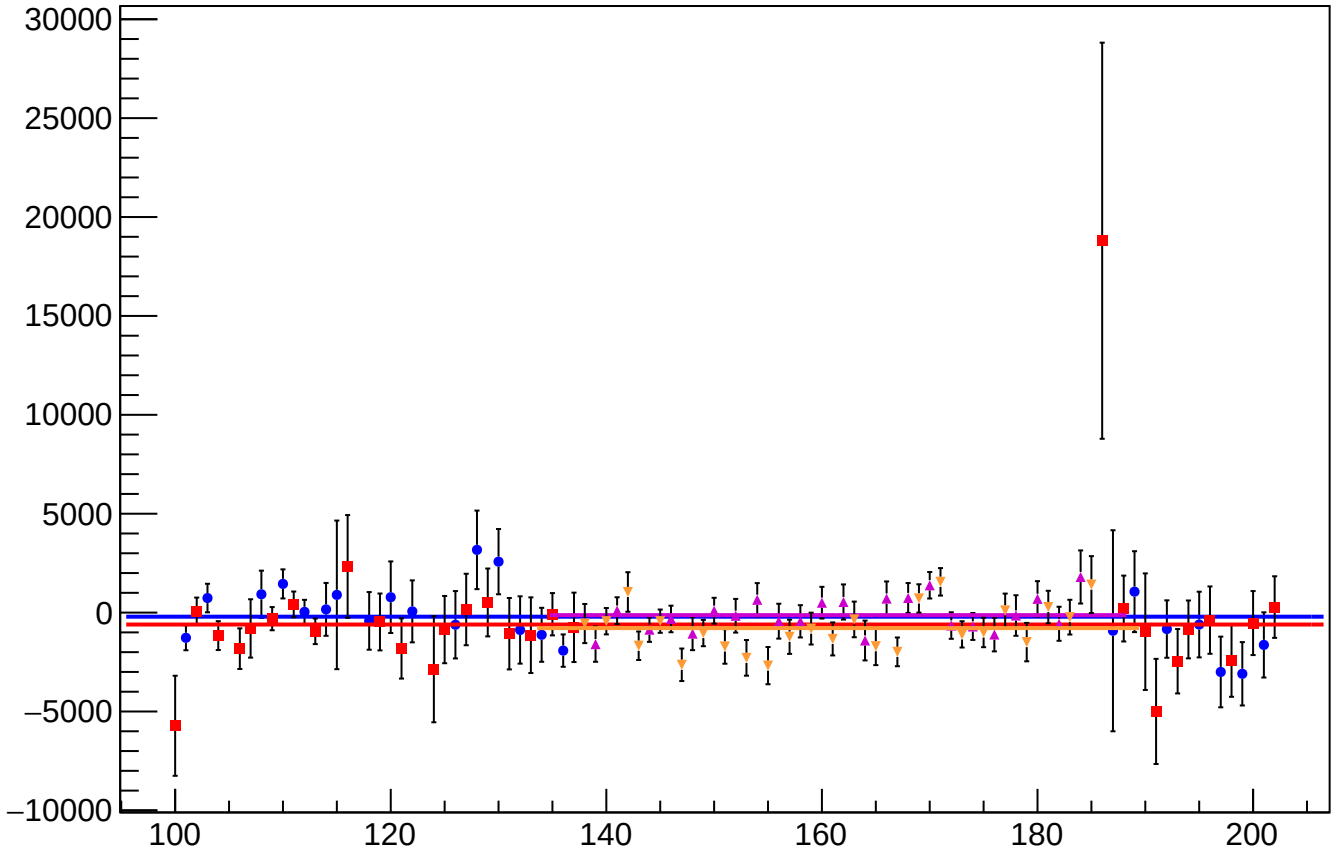
Right Out: 100.935+/-0.020 χ^2/NDF: 3533481.2/28

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 108.528+/-0.014 χ^2/NDF: 3915304.6/47

All: 108.045+/-0.010 χ^2/NDF: 8975017.6/99

- sign 107.578+/-0.014 χ^2/NDF: 5057435.4/51



Right In: -206.848+/-242.198 χ^2/NDF: 29.1/22

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

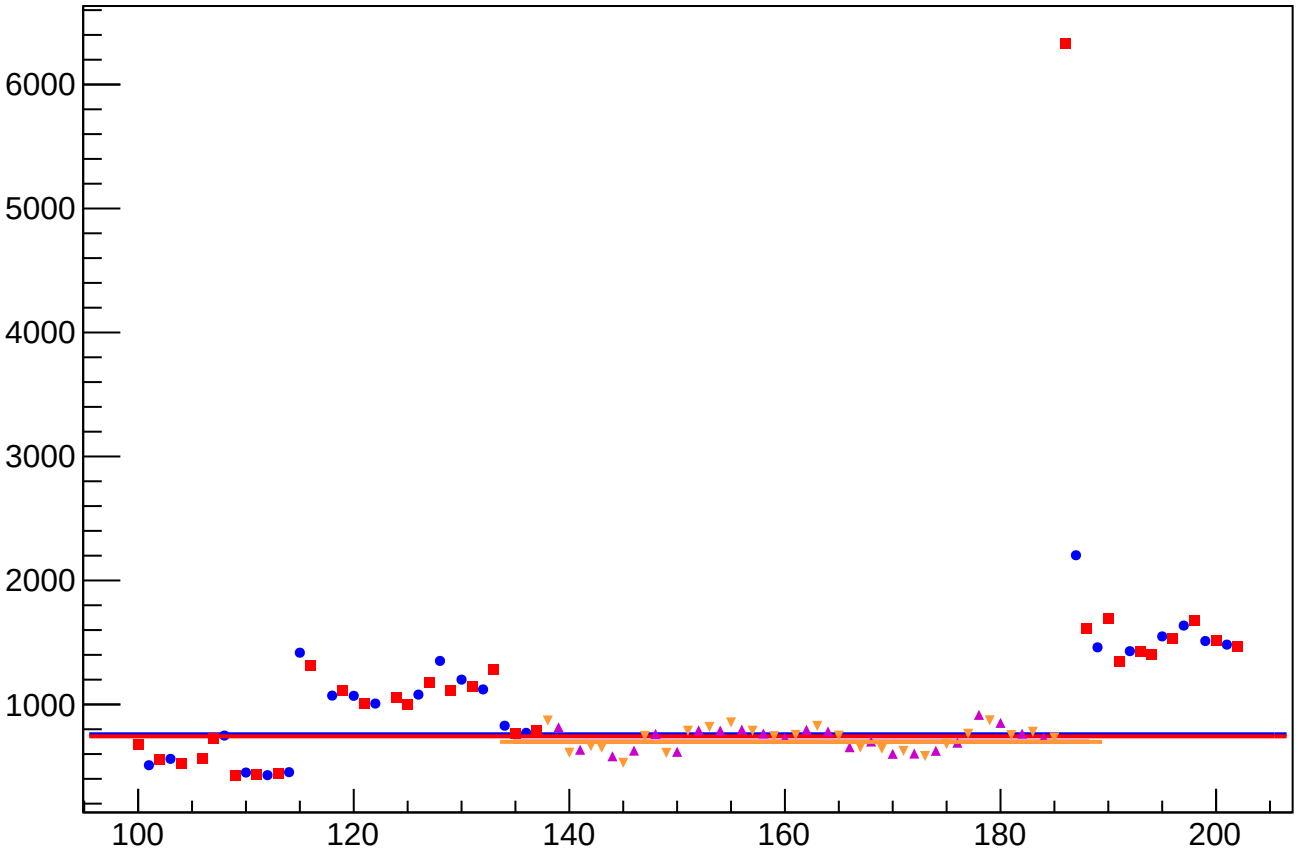
Right Out: -602.771+/-223.053 χ^2/NDF: 23.1/28

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

\+ sign -608.111+/-133.779 χ^2/NDF: 78.5/47

All: -451.065+/-94.242 χ^2/NDF: 130.0/99

\- sign -296.348+/-132.783 χ^2/NDF: 48.8/51



Right In: 759.476+/-0.171 χ^2/NDF: 4842392.7/22

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 742.756+/-0.158 χ^2/NDF: 6763903.8/28

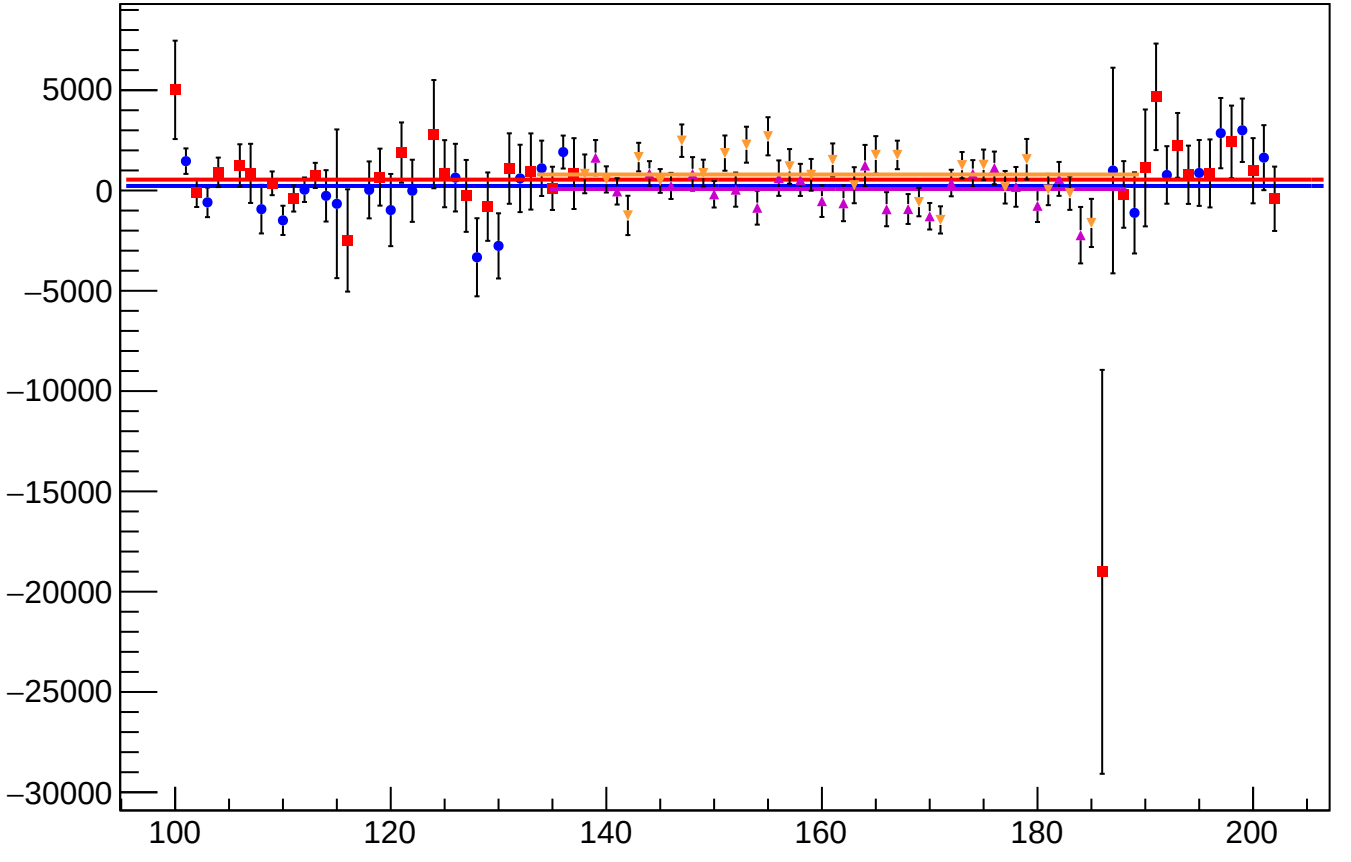
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 716.920+/-0.095 χ^2/NDF: 5645932.3/47

All: 716.055+/-0.067 χ^2/NDF: 13041587.0/99

- sign 715.203+/-0.094 χ^2/NDF: 7395488.7/51

asym_sam_1548_avg_mean vs Slug



Right In: 226.333+/-242.093 χ^2/NDF: 30.6/22

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 542.014+/-222.987 χ^2/NDF: 20.5/28

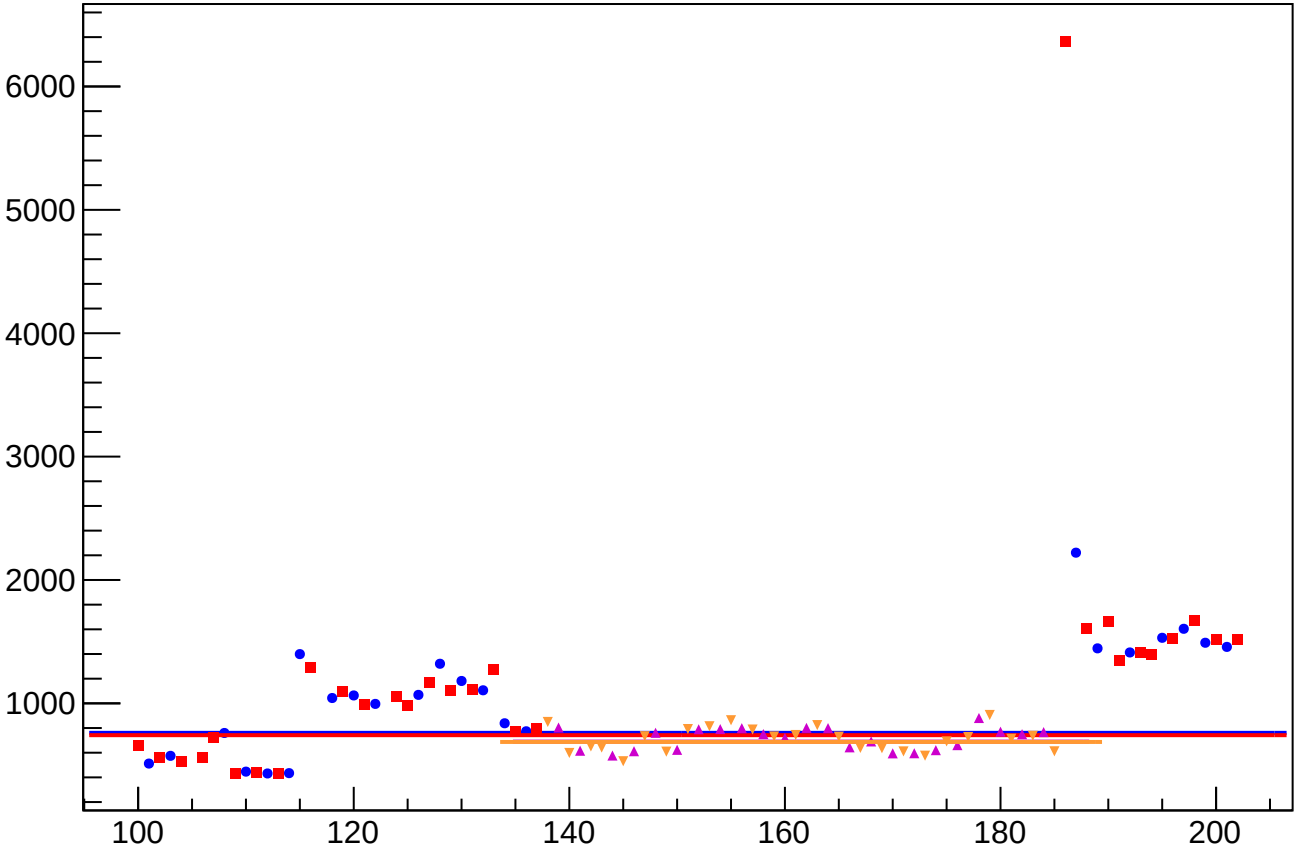
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 626.255+/-132.397 χ^2/NDF: 80.9/47

All: 430.096+/-93.310 χ^2/NDF: 133.5/99

- sign 236.505+/-131.528 χ^2/NDF: 48.3/51

asym_sam_1548_avg_rms vs Slug



Right In: 760.970+/-0.171 χ^2/NDF: 4721035.8/22

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

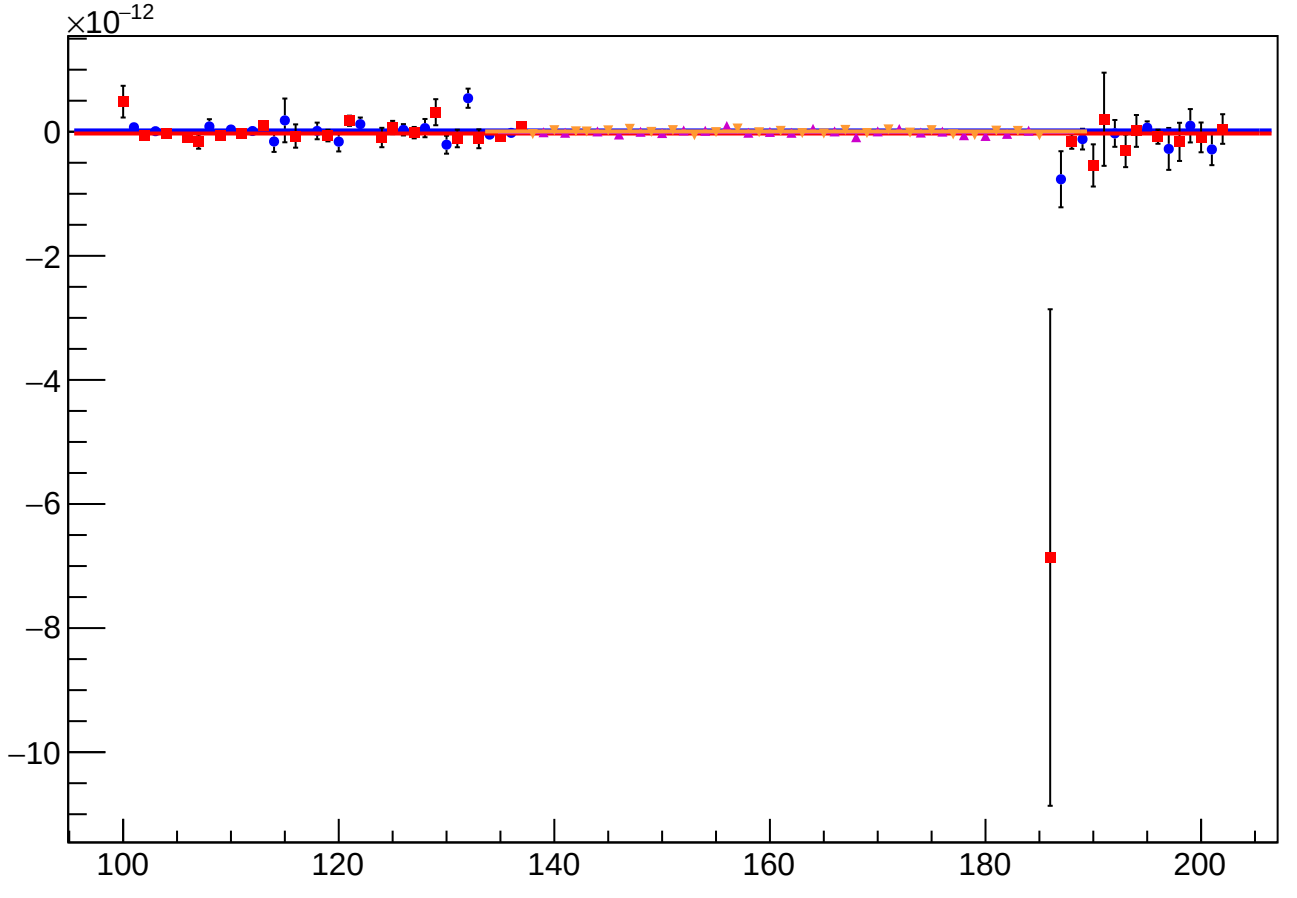
Right Out: 742.093+/-0.158 χ^2/NDF: 6740295.8/28

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 709.294+/-0.094 χ^2/NDF: 5579042.1/47

All: 708.704+/-0.066 χ^2/NDF: 12957689.9/99

- sign 708.122+/-0.093 χ^2/NDF: 7378569.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 29.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

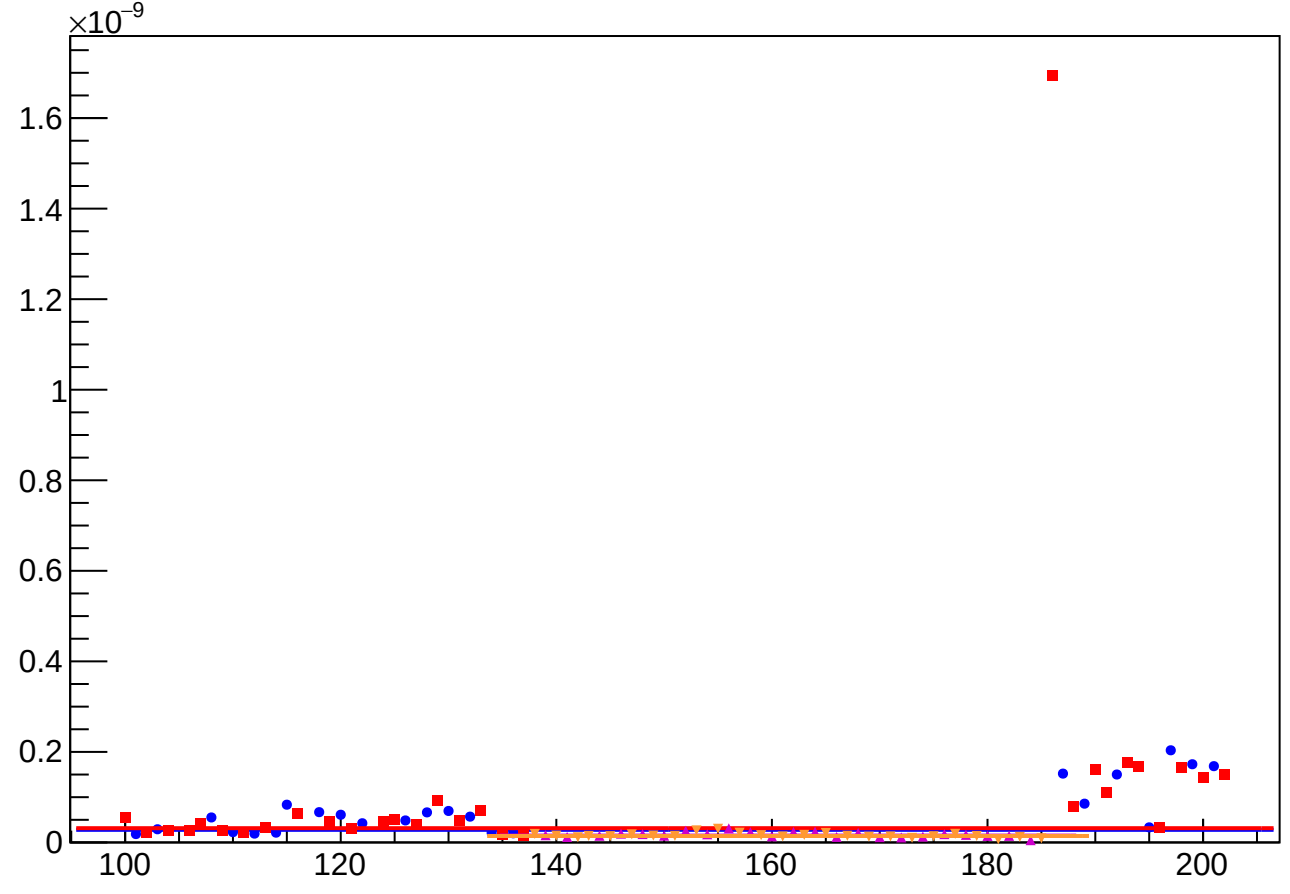
Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/28

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.9/47

All: -0.000+/-0.000 χ^2/NDF: 119.4/99

- sign -0.000+/-0.000 χ^2/NDF: 62.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 4145111.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

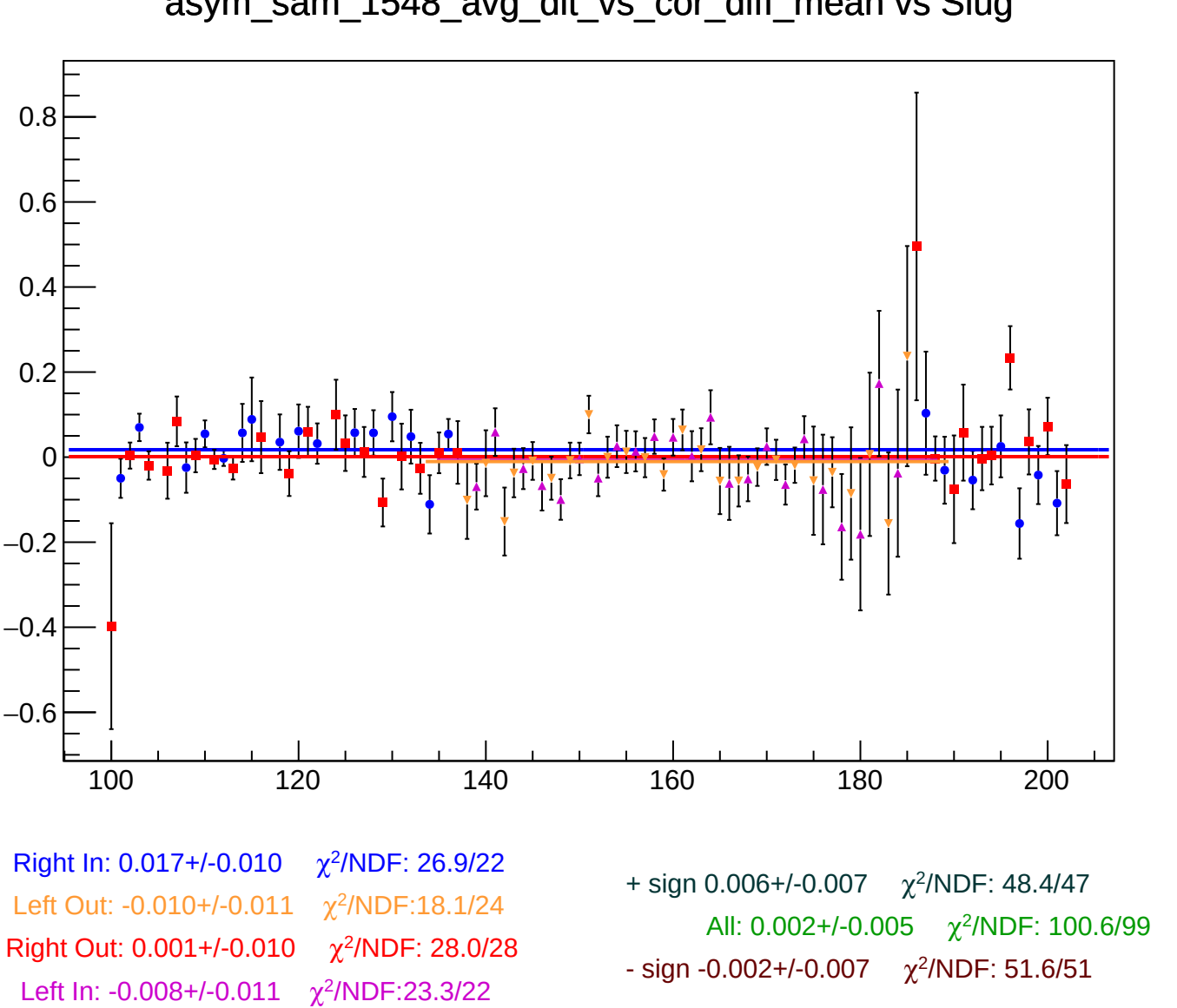
Right Out: 0.000+/-0.000 χ^2/NDF: 4570823.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

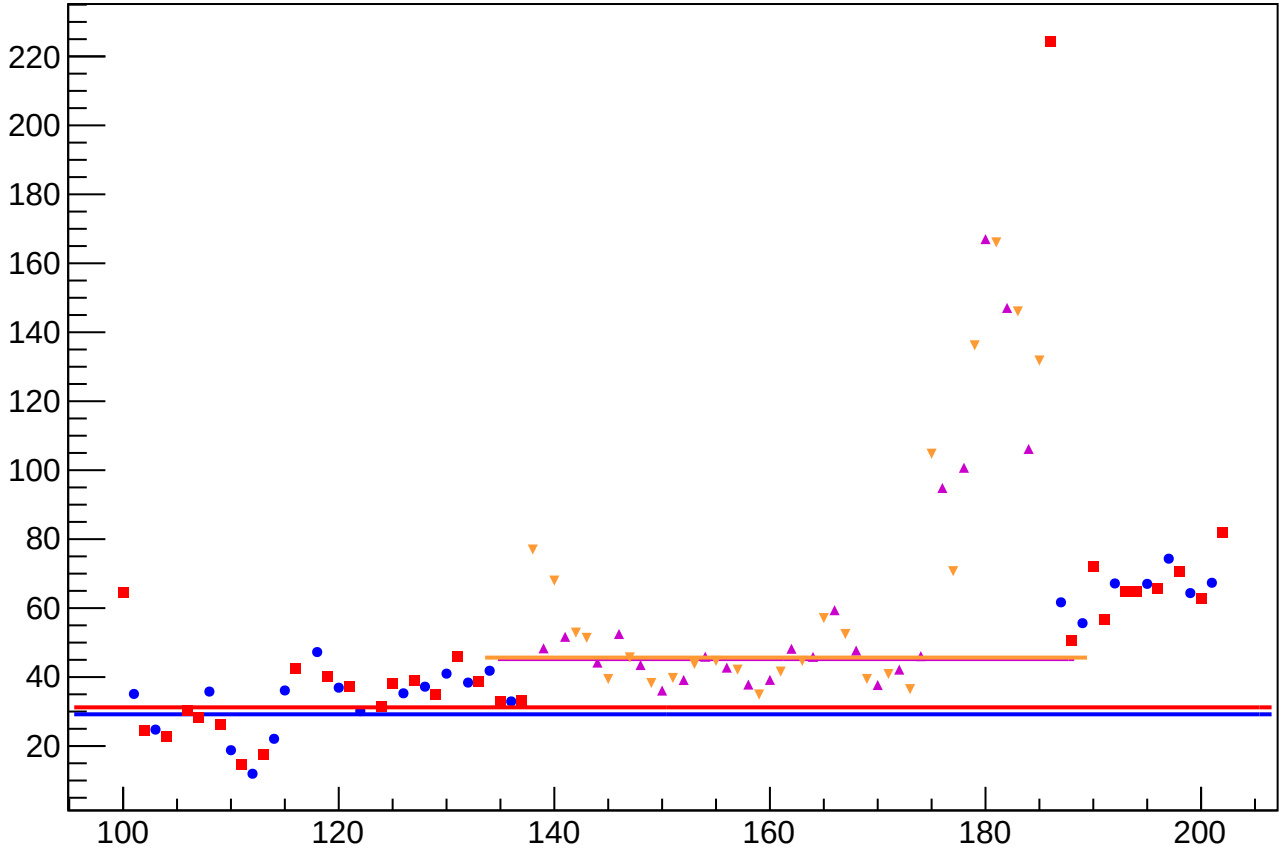
+ sign 0.000+/-0.000 χ^2/NDF: 6600261.6/47

All: 0.000+/-0.000 χ^2/NDF: 14187870.2/99

- sign 0.000+/-0.000 χ^2/NDF: 7532435.5/51


asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.017+/-0.010 χ²/NDF: 26.9/22
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.001+/-0.010 χ²/NDF: 28.0/28
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.006+/-0.007 χ²/NDF: 48.4/47
All: 0.002+/-0.005 χ²/NDF: 100.6/99
- sign -0.002+/-0.007 χ²/NDF: 51.6/51

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.202+/-0.007 χ^2/NDF: 5786054.3/22

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

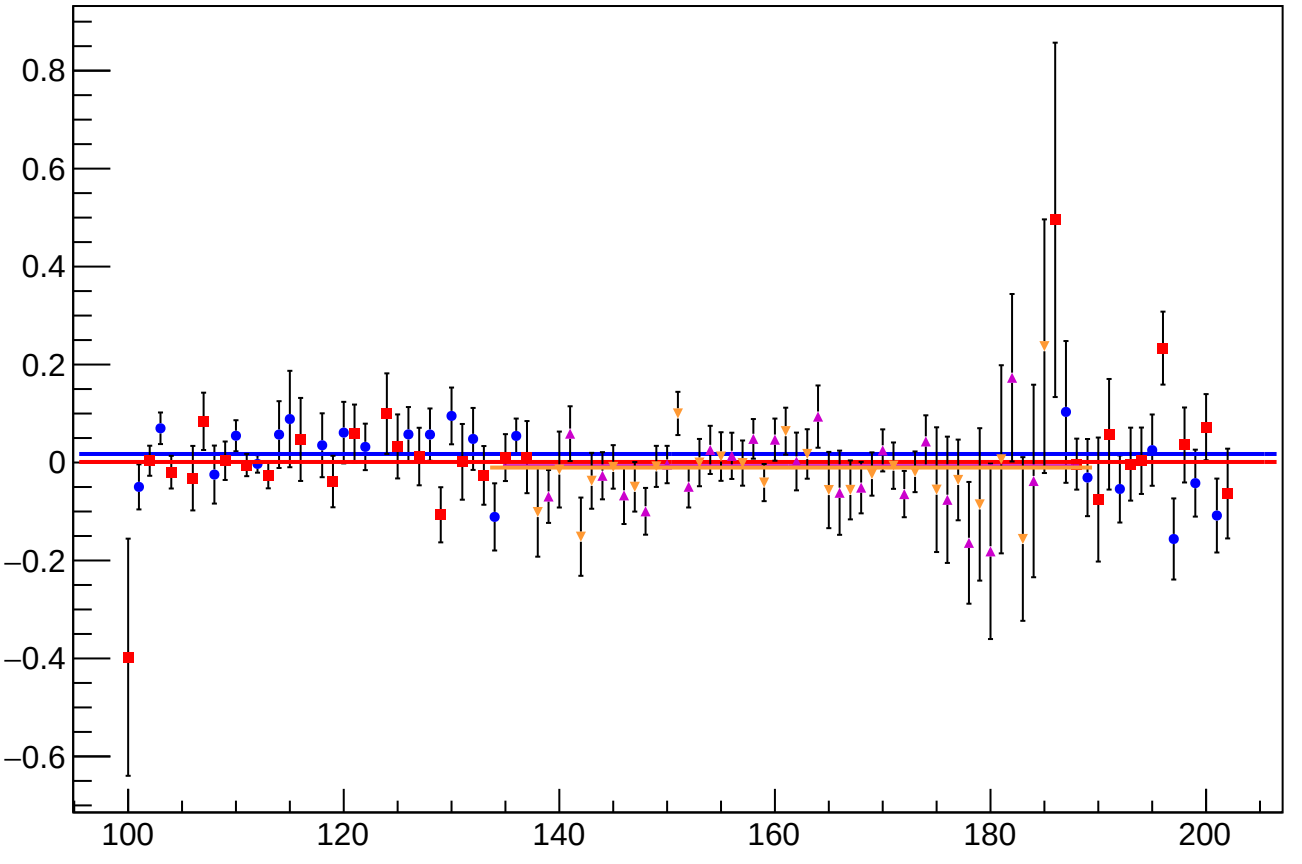
Right Out: 31.224+/-0.007 χ^2/NDF: 6271489.6/28

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 36.258+/-0.005 χ^2/NDF: 12231645.4/47

All: 36.628+/-0.004 χ^2/NDF: 23272090.9/99

- sign 36.991+/-0.005 χ^2/NDF: 11030517.9/51



Right In: 0.017+/-0.010 χ^2/NDF: 26.9/22

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

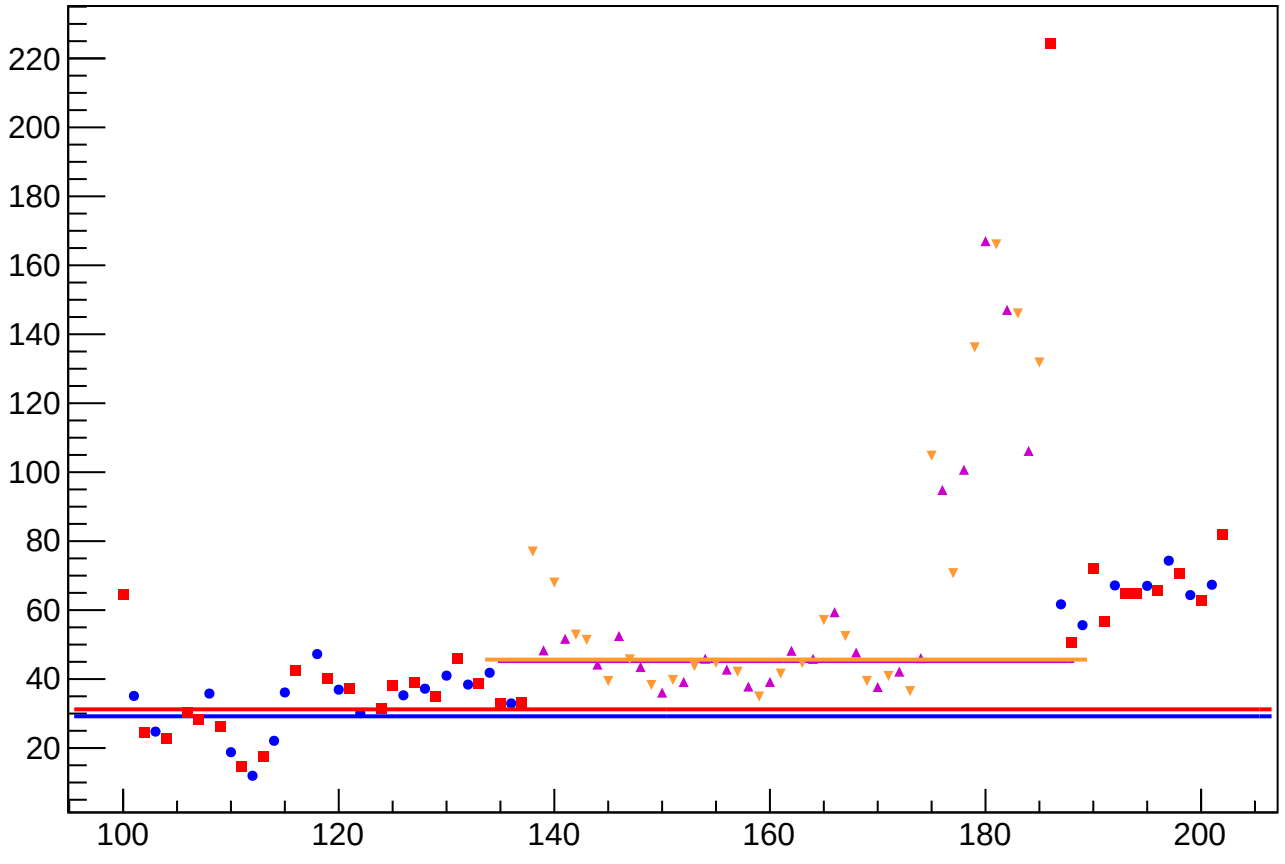
Right Out: 0.001+/-0.010 χ^2/NDF: 28.0/28

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.006+/-0.007 χ^2/NDF: 48.4/47

All: 0.002+/-0.005 χ^2/NDF: 100.6/99

- sign -0.002+/-0.007 χ^2/NDF: 51.6/51



Right In: 29.202+/-0.007 χ^2/NDF: 5786054.3/22

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

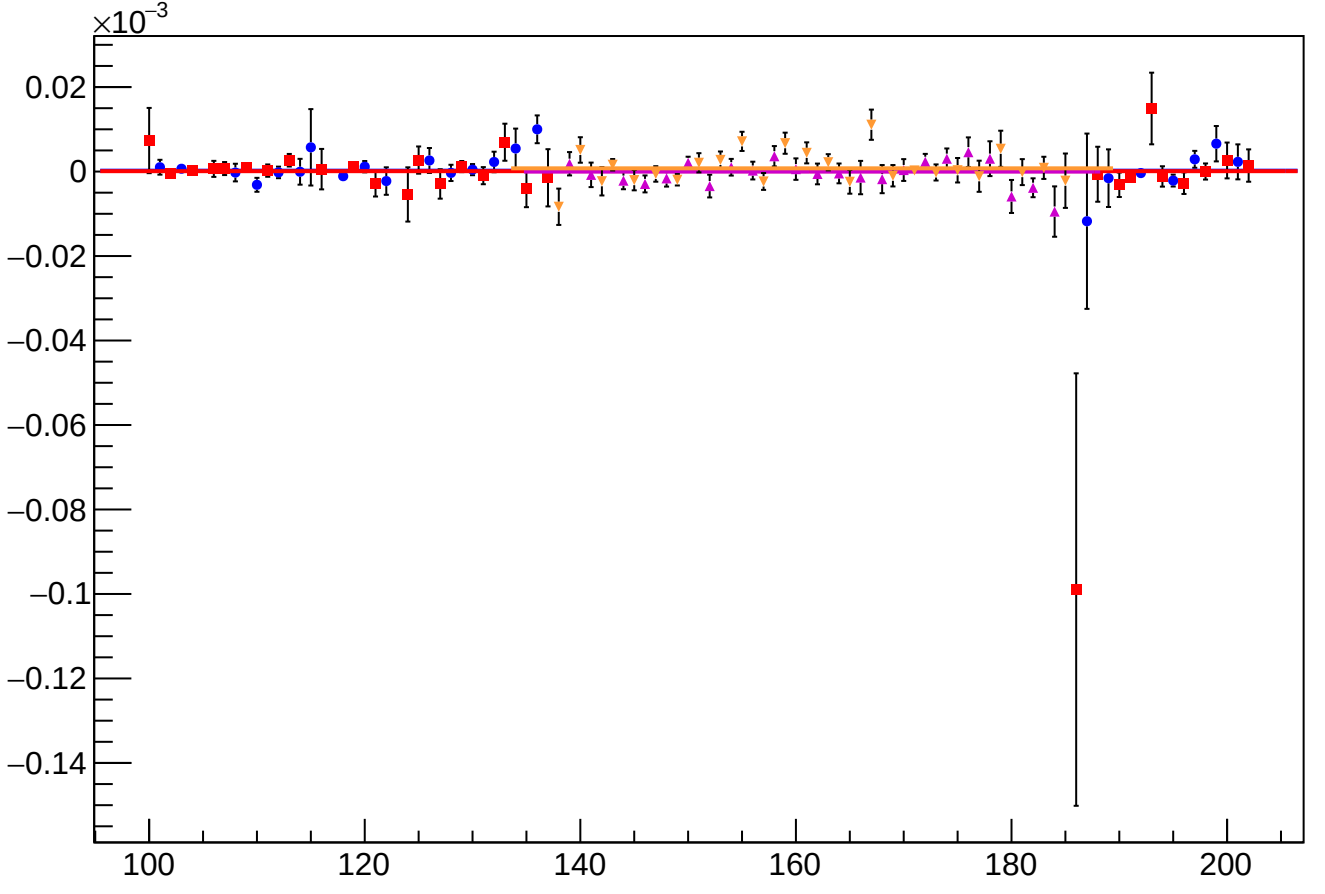
Right Out: 31.224+/-0.007 χ^2/NDF: 6271489.6/28

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 36.258+/-0.005 χ^2/NDF: 12231645.4/47

All: 36.628+/-0.004 χ^2/NDF: 23272090.9/99

- sign 36.991+/-0.005 χ^2/NDF: 11030517.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

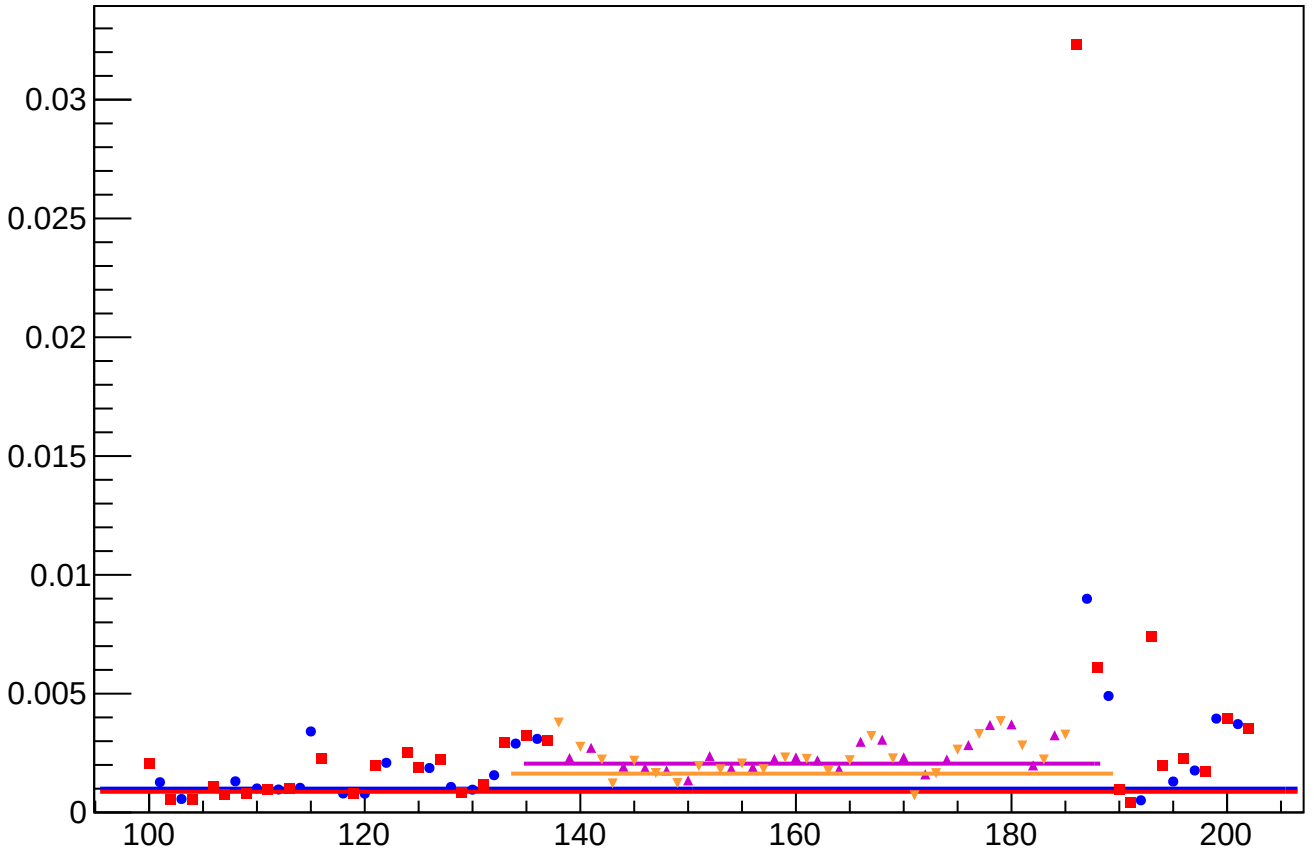
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/28

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.4/47

All: 0.000+/-0.000 χ^2/NDF: 126.9/99

- sign 0.000+/-0.000 χ^2/NDF: 51.5/51



Right In: 0.001+/-0.000 χ^2/NDF: 6298984.2/22

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

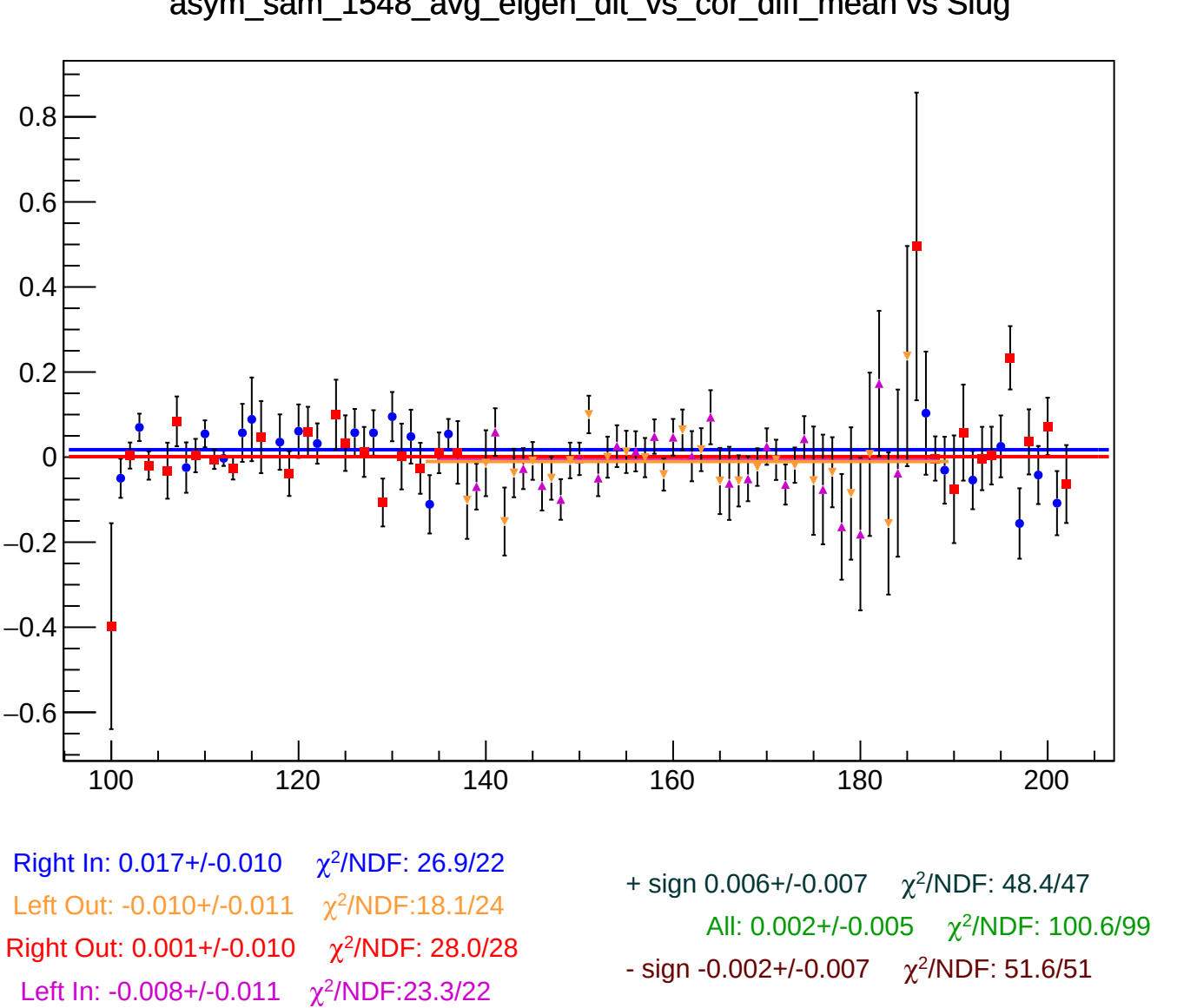
Right Out: 0.001+/-0.000 χ^2/NDF: 10691447.2/28

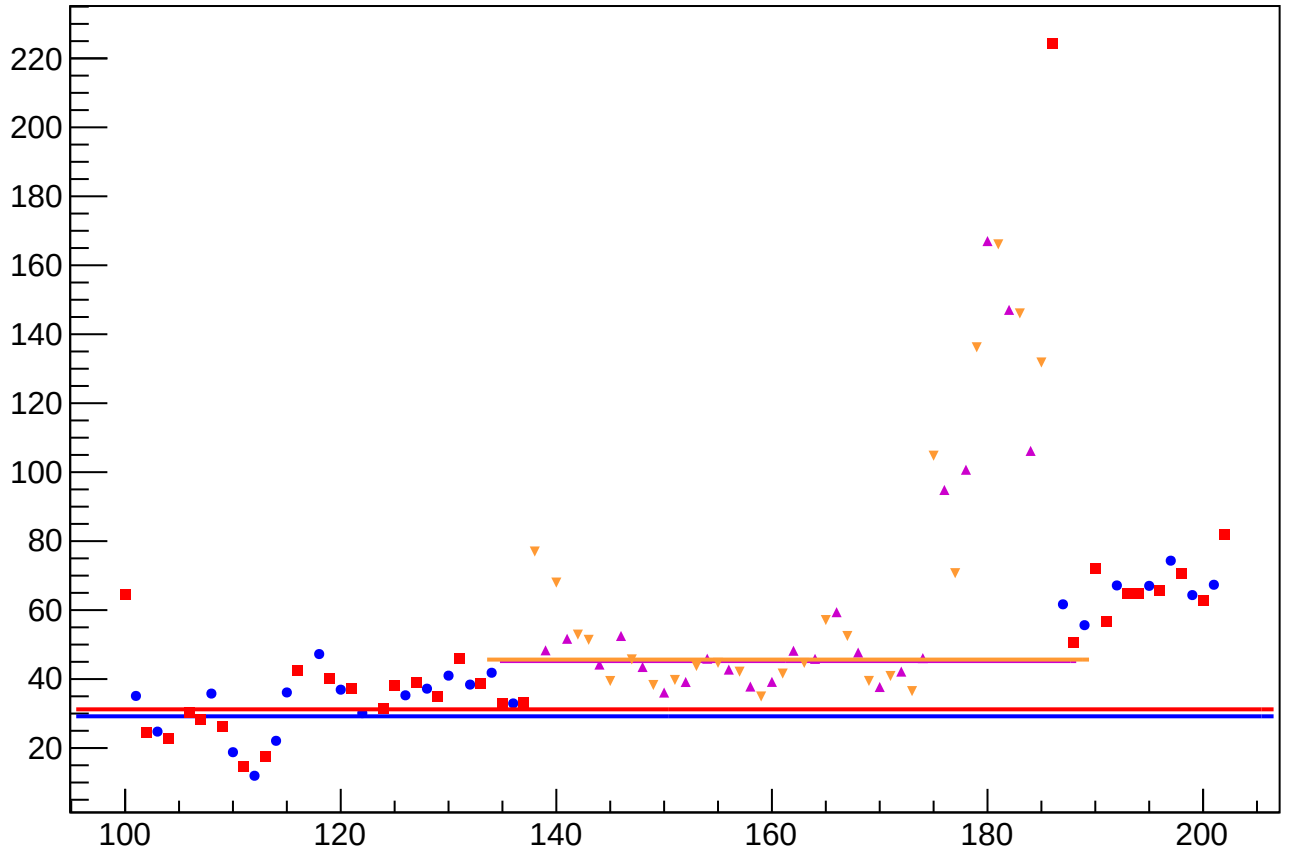
Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15503002.4/47

All: 0.001+/-0.000 χ^2/NDF: 36612923.6/99

- sign 0.001+/-0.000 χ^2/NDF: 21000200.0/51


asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.017+/-0.010 χ²/NDF: 26.9/22
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.001+/-0.010 χ²/NDF: 28.0/28
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.006+/-0.007 χ²/NDF: 48.4/47
All: 0.002+/-0.005 χ²/NDF: 100.6/99
- sign -0.002+/-0.007 χ²/NDF: 51.6/51



Right In: 29.201+/-0.007 χ^2/NDF: 5786288.1/22

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

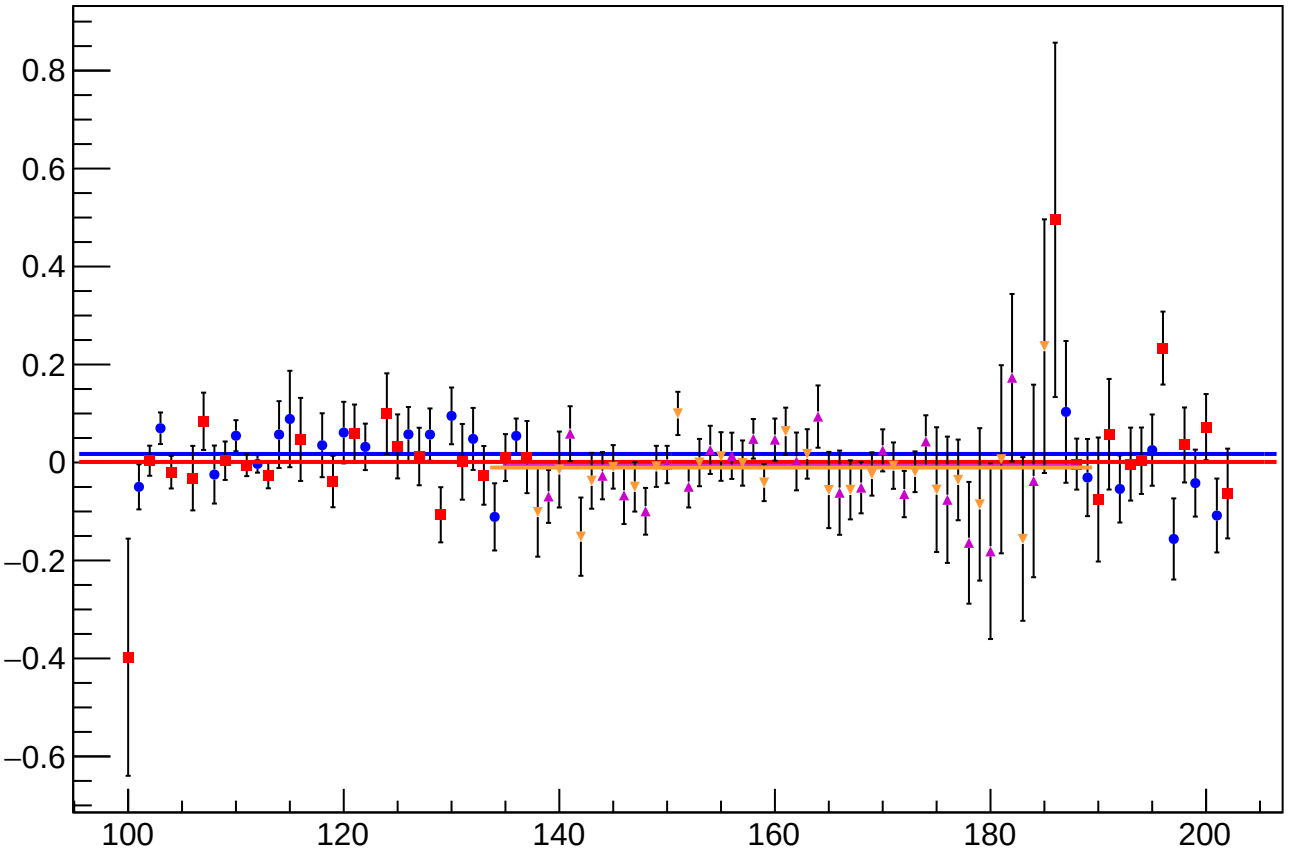
Right Out: 31.223+/-0.007 χ^2/NDF: 6271723.9/28

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 36.258+/-0.005 χ^2/NDF: 12232107.8/47

All: 36.627+/-0.004 χ^2/NDF: 23272925.7/99

- sign 36.991+/-0.005 χ^2/NDF: 11030885.9/51



Right In: 0.017+/-0.010 χ^2/NDF: 26.9/22

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

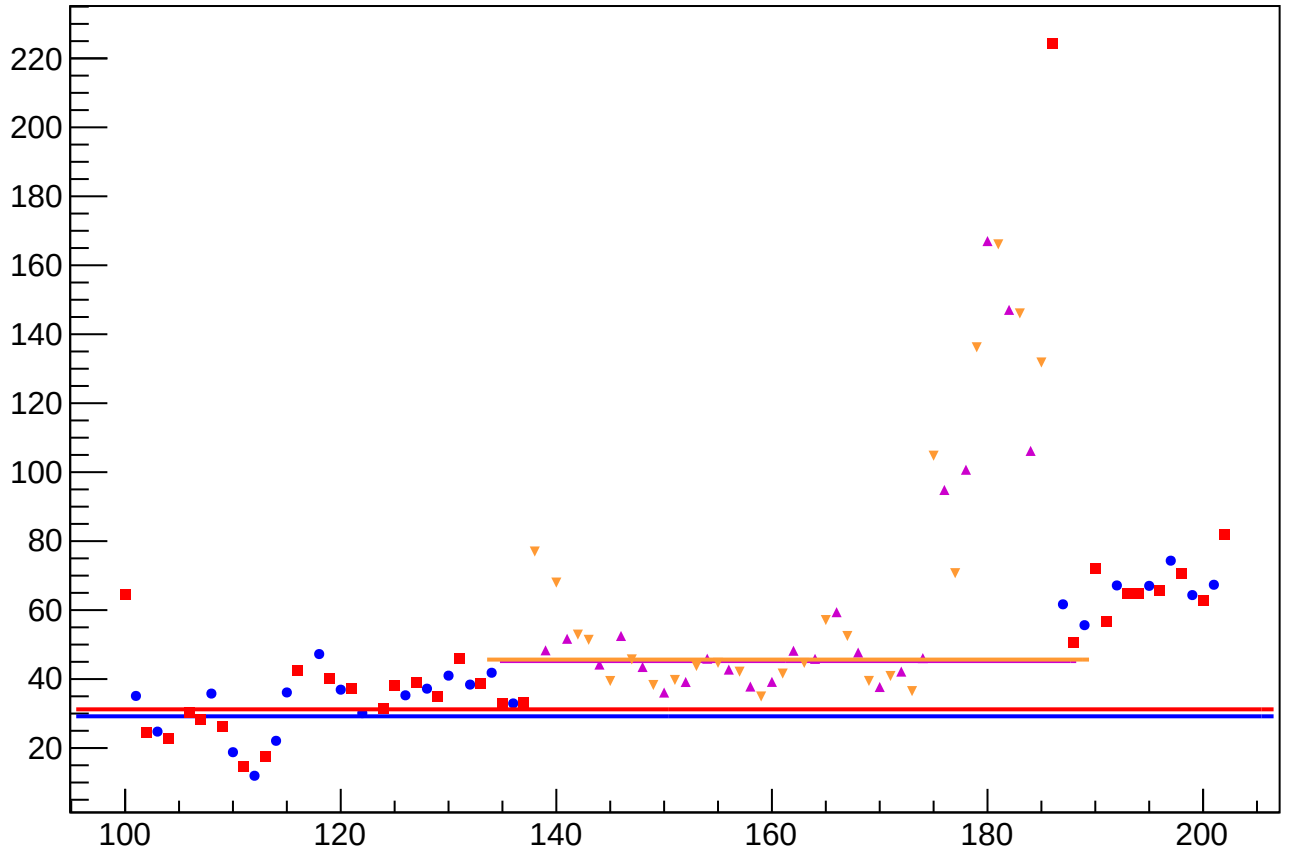
Right Out: 0.001+/-0.010 χ^2/NDF: 28.0/28

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.006+/-0.007 χ^2/NDF: 48.4/47

All: 0.002+/-0.005 χ^2/NDF: 100.6/99

- sign -0.002+/-0.007 χ^2/NDF: 51.6/51



Right In: 29.201+/-0.007 χ^2/NDF: 5786288.1/22

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

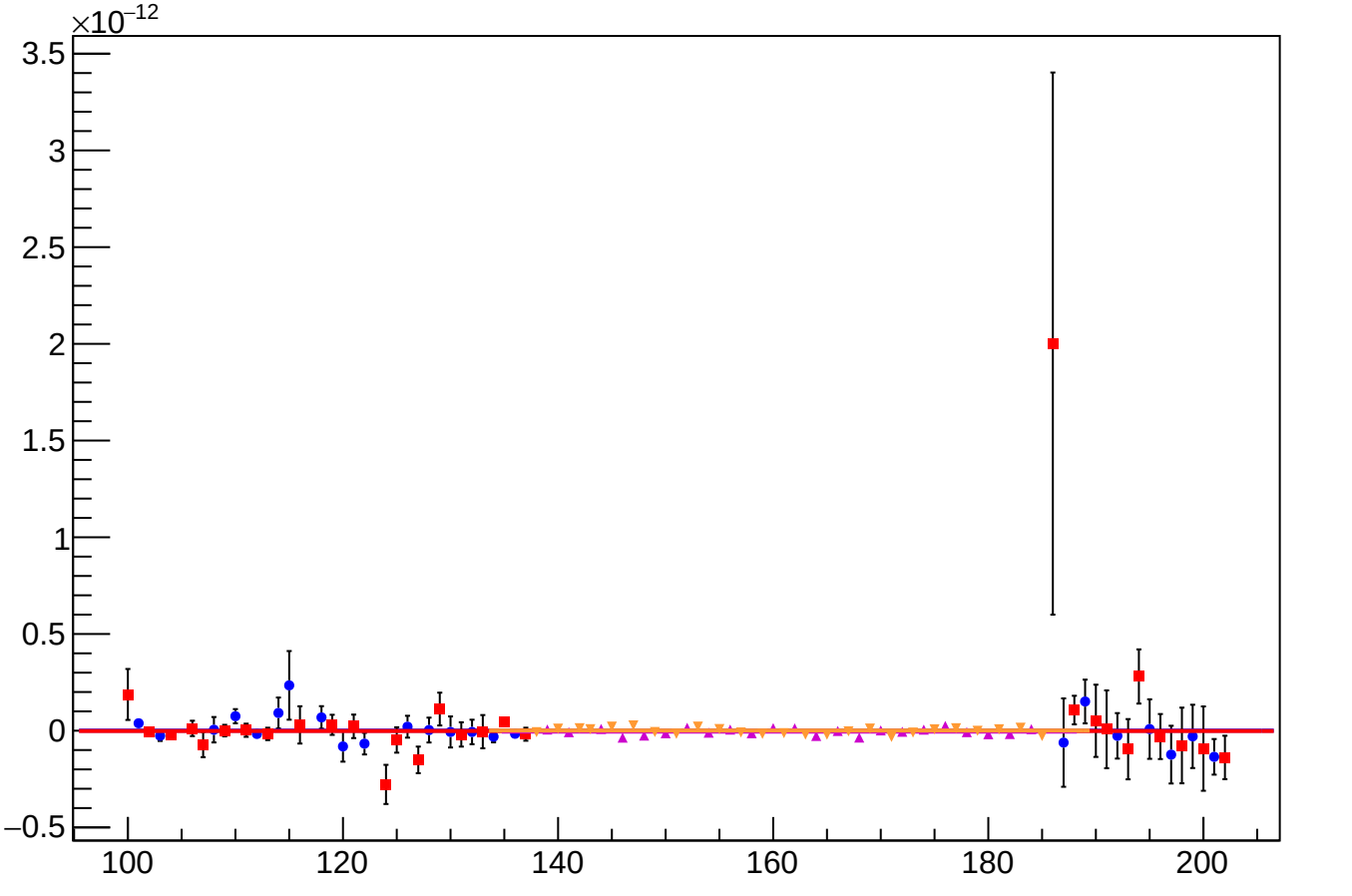
Right Out: 31.223+/-0.007 χ^2/NDF: 6271723.9/28

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 36.258+/-0.005 χ^2/NDF: 12232107.8/47

All: 36.627+/-0.004 χ^2/NDF: 23272925.7/99

- sign 36.991+/-0.005 χ^2/NDF: 11030885.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

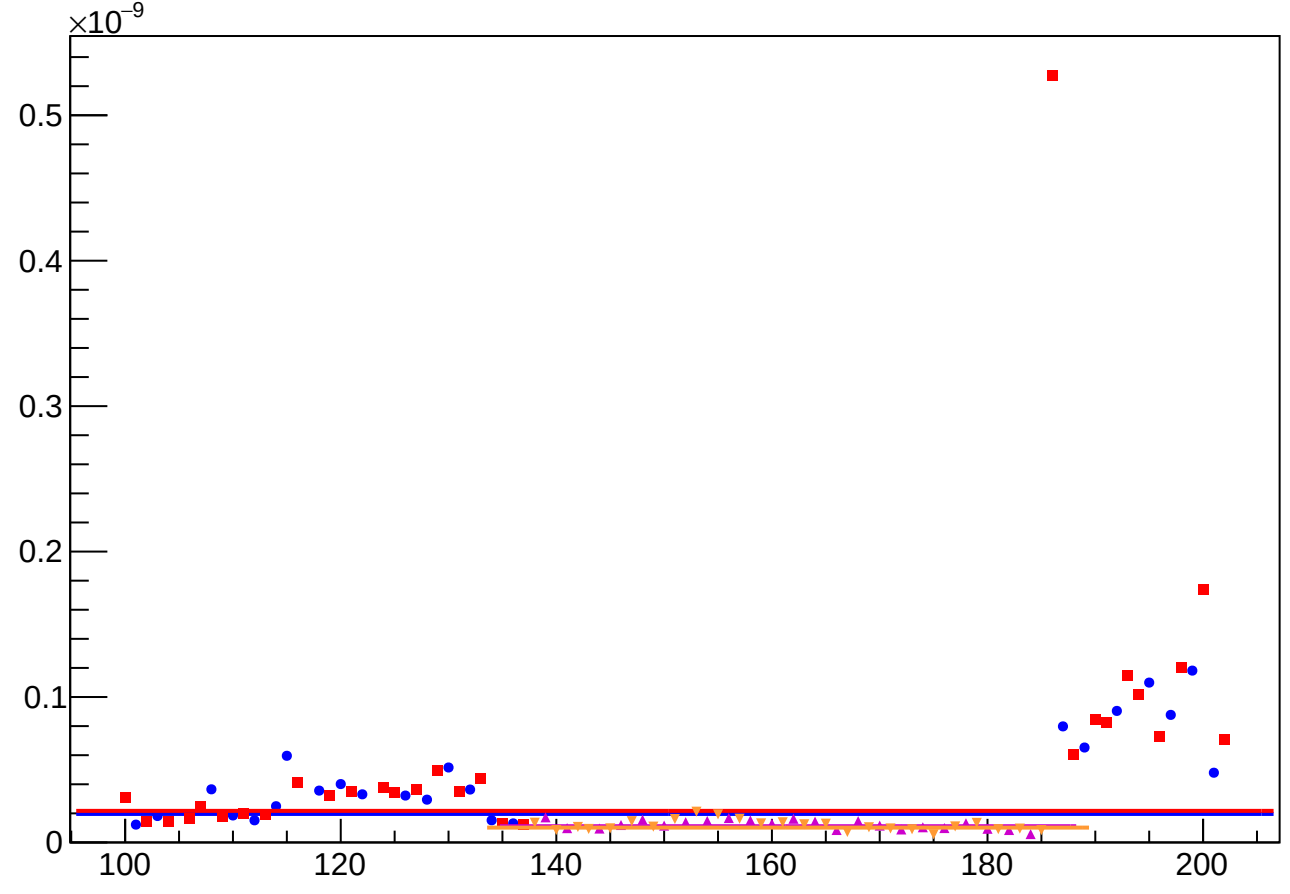
Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/28

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.9/47

All: -0.000+/-0.000 χ^2/NDF: 108.4/99

- sign -0.000+/-0.000 χ^2/NDF: 57.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 5166256.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6628377.2/28

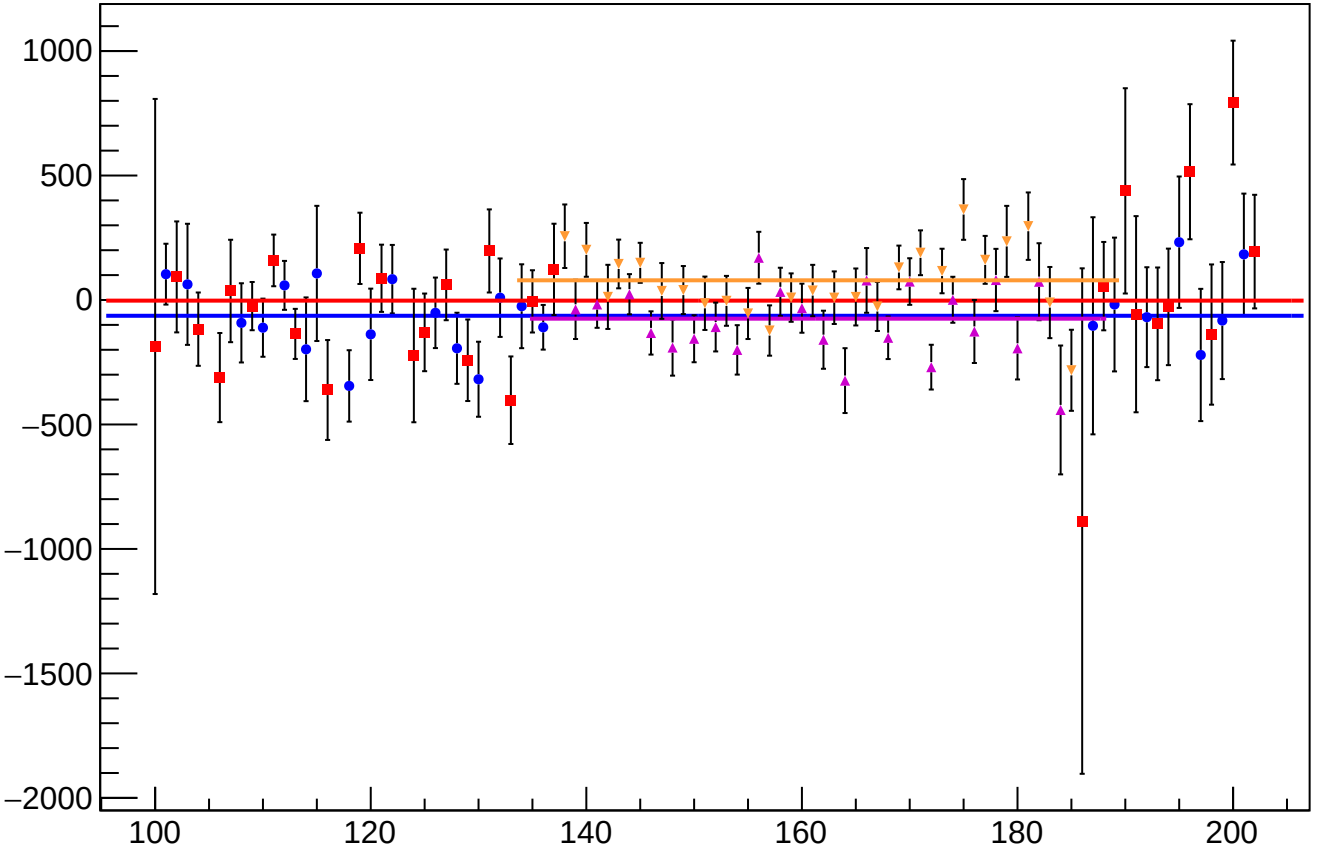
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9592277.5/47

All: 0.000+/-0.000 χ^2/NDF: 20394986.1/99

- sign 0.000+/-0.000 χ^2/NDF: 10639300.3/51

reg_asym_sam_3748_avg_mean vs Slug



Right In: -63.385+/-33.004 χ^2/NDF: 16.8/22

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -2.546+/-31.667 χ^2/NDF: 41.7/28

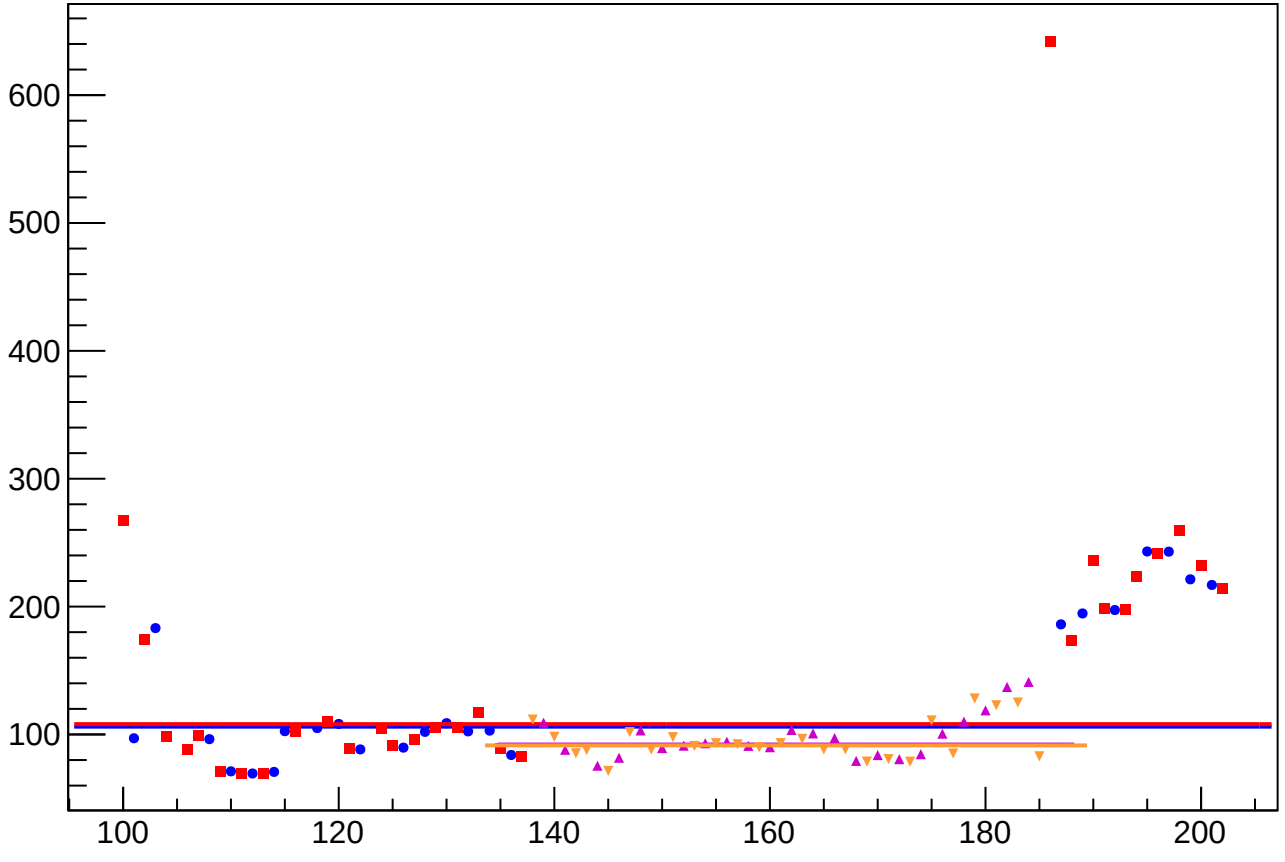
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 37.752+/-17.779 χ^2/NDF: 62.0/47

All: -6.469+/-12.641 χ^2/NDF: 152.4/99

- sign -51.683+/-17.977 χ^2/NDF: 77.9/51

reg_asym_sam_3748_avg_rms vs Slug



Right In: 106.121+/-0.023 χ^2/NDF: 3582107.8/22

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

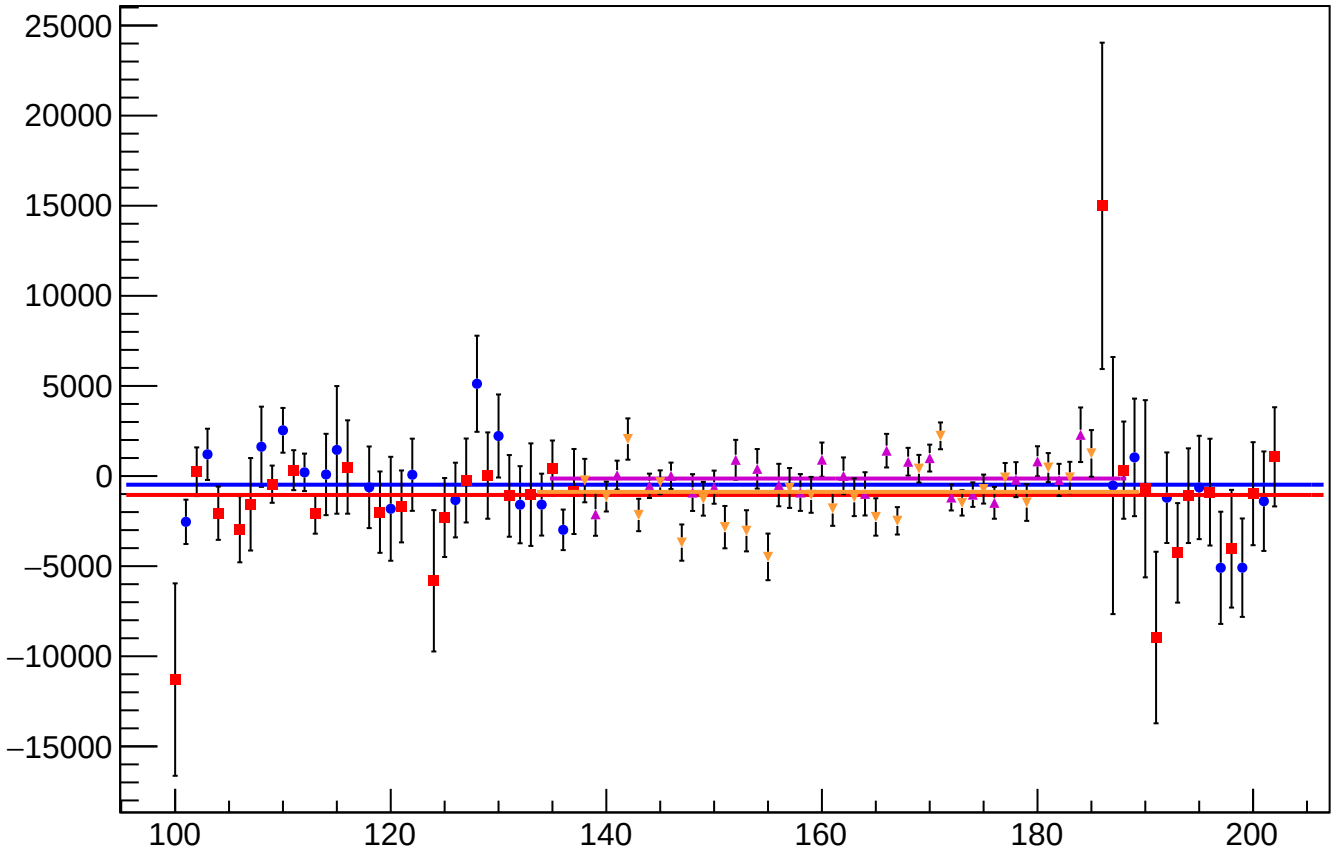
Right Out: 108.074+/-0.022 χ^2/NDF: 5222624.4/28

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 95.715+/-0.013 χ^2/NDF: 4613384.2/47

All: 96.473+/-0.009 χ^2/NDF: 10887821.7/99

- sign 97.248+/-0.013 χ^2/NDF: 6267087.6/51



Right In: -480.521+/-393.980 χ^2/NDF: 29.1/22

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1049.110+/-372.737 χ^2/NDF: 21.6/28

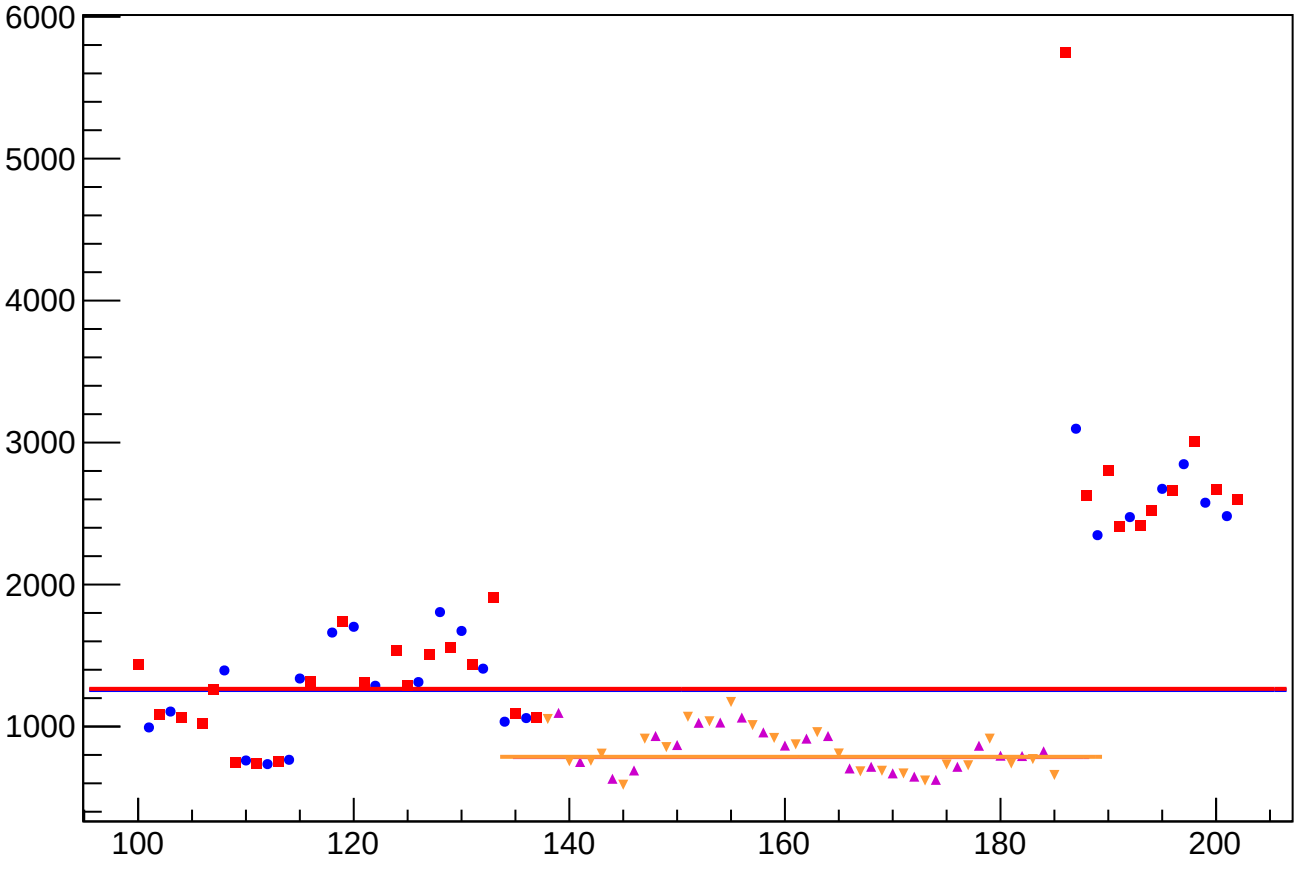
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -808.358+/-165.363 χ^2/NDF: 97.7/47

All: -566.907+/-117.448 χ^2/NDF: 152.6/99

- sign -321.124+/-166.840 χ^2/NDF: 50.6/51

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1257.090+/-0.279 χ^2/NDF: 4107367.6/22

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1265.456+/-0.264 χ^2/NDF: 5873367.1/28

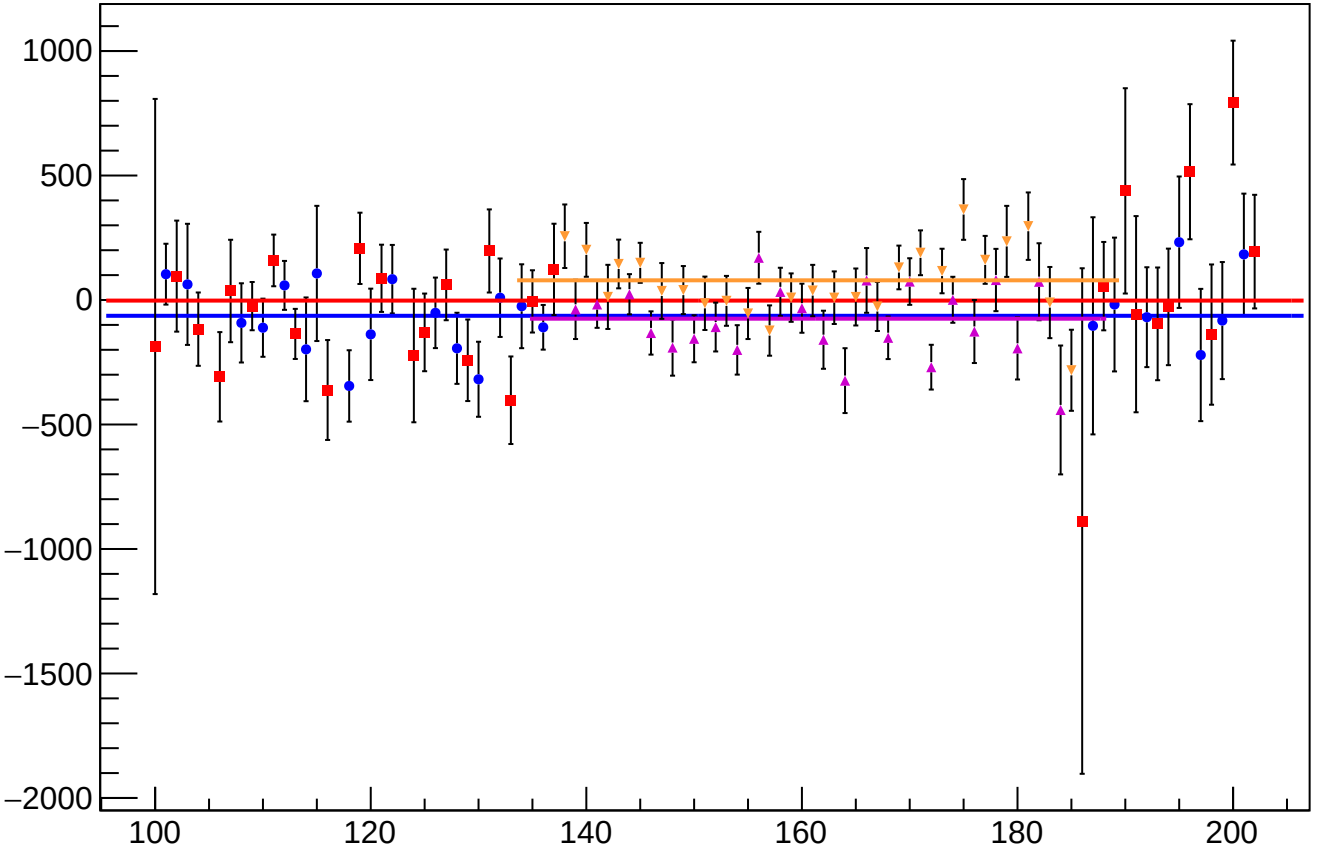
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 869.616+/-0.117 χ^2/NDF: 7666424.3/47

All: 875.320+/-0.083 χ^2/NDF: 17267423.7/99

- sign 881.127+/-0.118 χ^2/NDF: 9596197.1/51

cor_asym_sam_3748_avg_mean vs Slug



Right In: -63.397+/-33.004 χ^2/NDF: 16.8/22

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -2.326+/-31.670 χ^2/NDF: 41.6/28

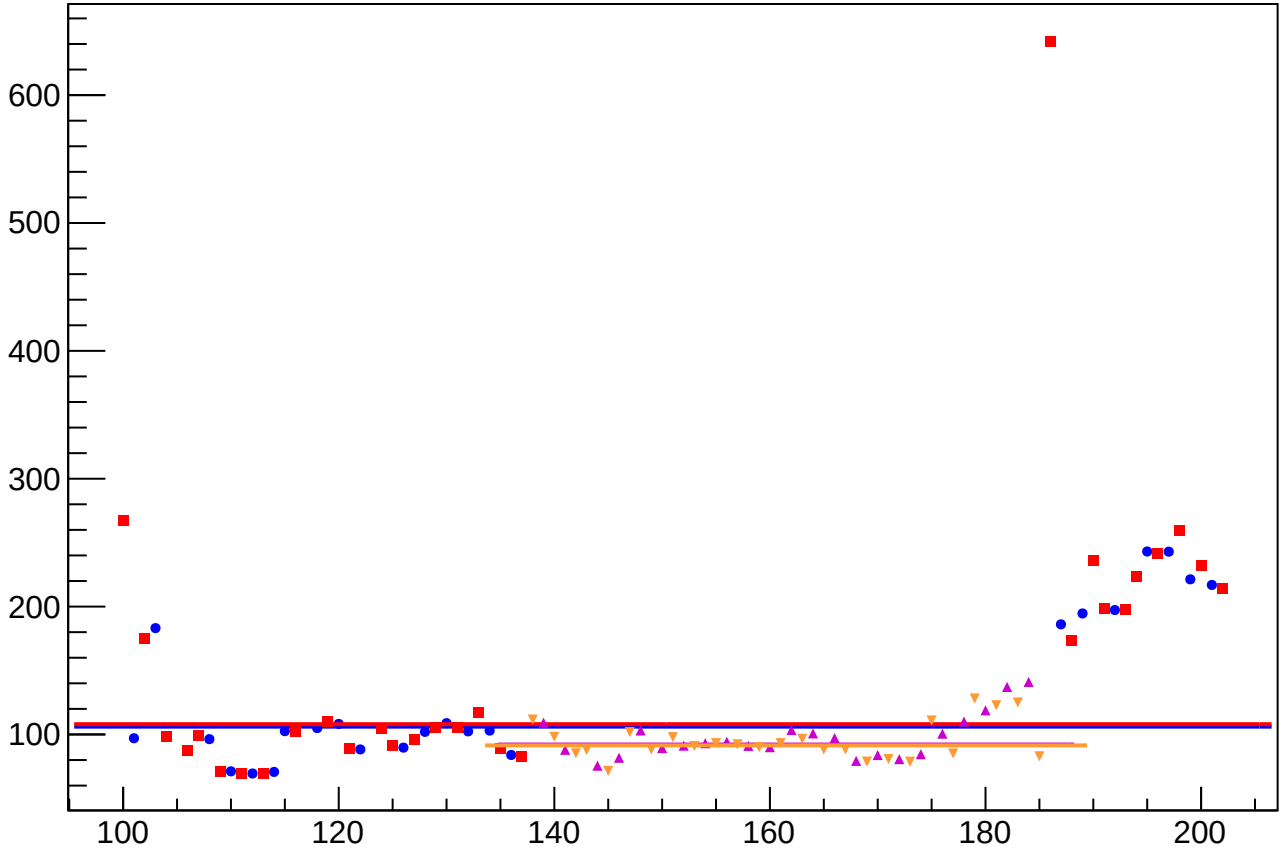
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.755+/-17.779 χ^2/NDF: 62.0/47

All: -6.433+/-12.641 χ^2/NDF: 152.3/99

- sign -51.616+/-17.978 χ^2/NDF: 77.8/51

cor_asym_sam_3748_avg_rms vs Slug



Right In: 106.121+/-0.023 χ^2/NDF: 3582110.9/22

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

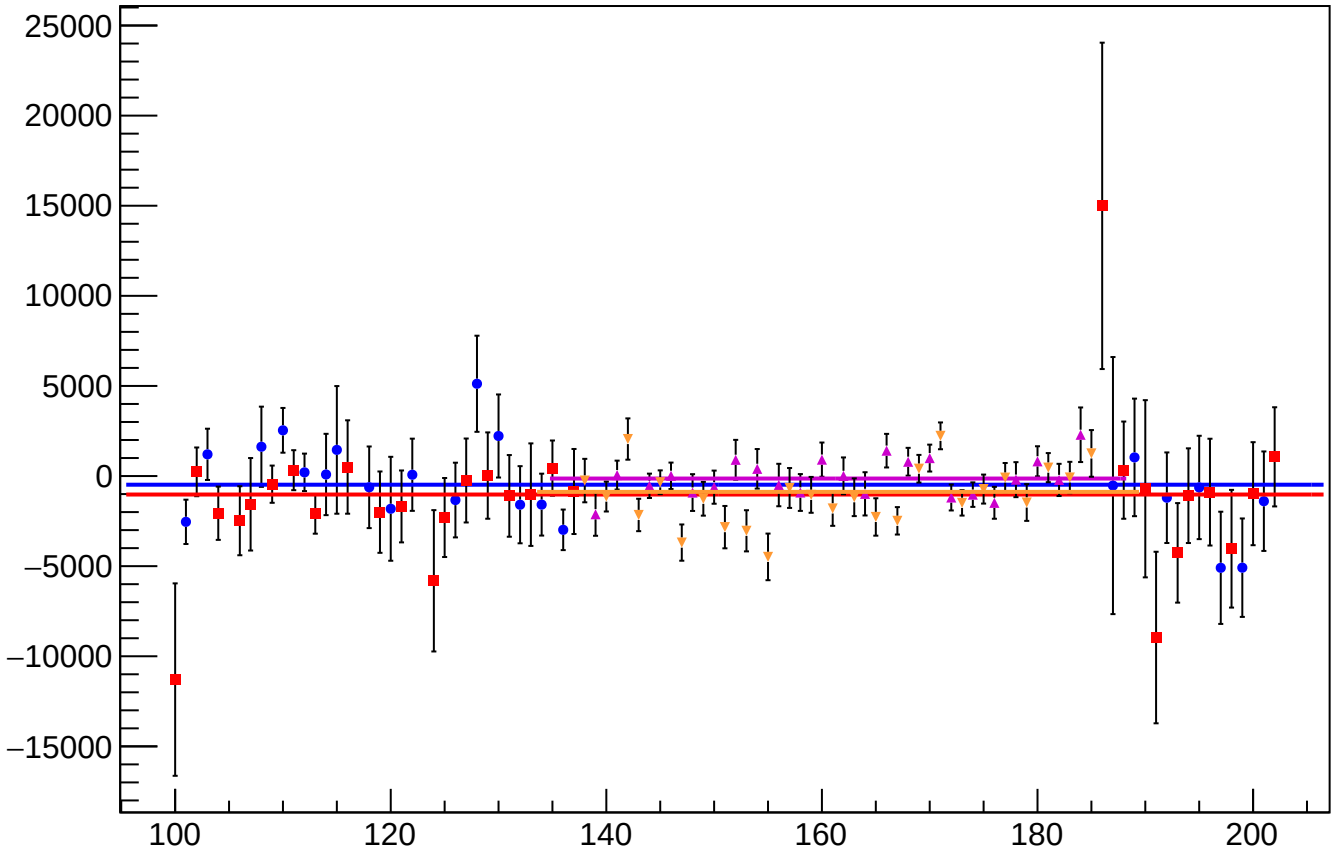
Right Out: 108.037+/-0.022 χ^2/NDF: 5225981.7/28

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

\+ sign 95.715+/-0.013 χ^2/NDF: 4613387.4/47

All: 96.467+/-0.009 χ^2/NDF: 10889425.7/99

\- sign 97.236+/-0.013 χ^2/NDF: 6268808.8/51



Right In: -480.540+/-393.983 χ^2/NDF: 29.1/22

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1025.381+/-373.387 χ^2/NDF: 21.1/28

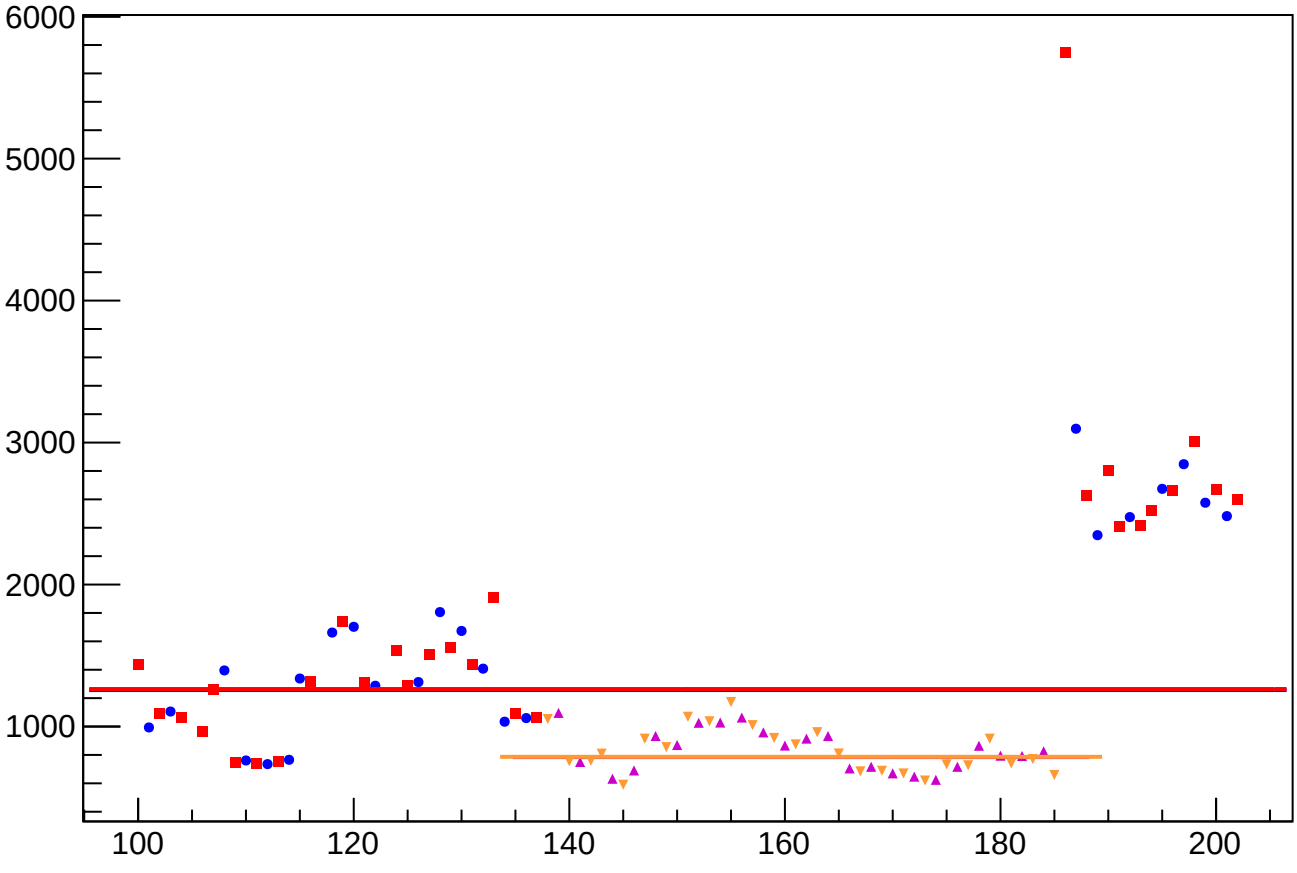
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

\+ sign -808.354+/-165.363 χ^2/NDF: 97.7/47

All: -564.390+/-117.468 χ^2/NDF: 151.9/99

\- sign -315.877+/-166.898 χ^2/NDF: 49.8/51

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1257.100+/-0.279 χ^2/NDF: 4107334.7/22

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1264.186+/-0.264 χ^2/NDF: 5886935.5/28

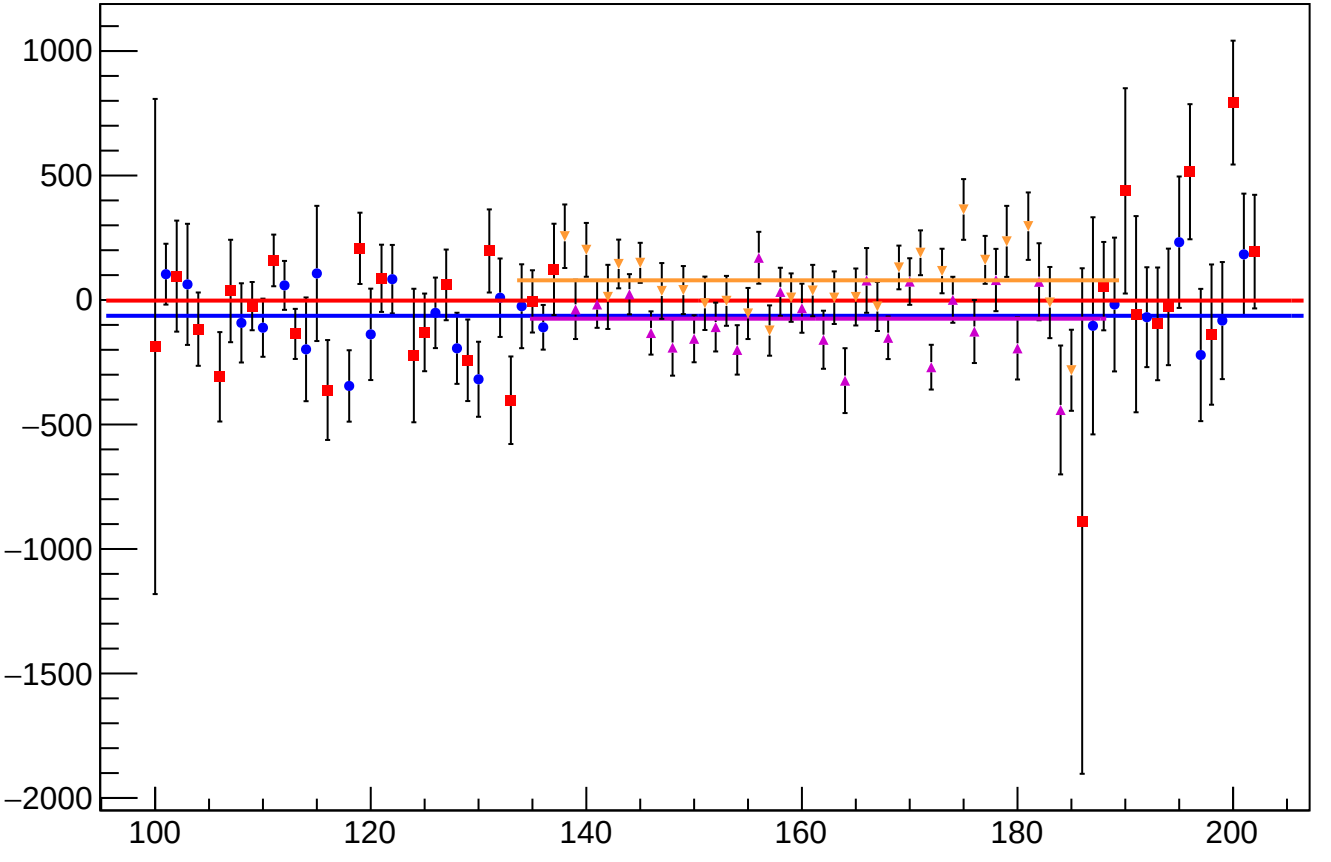
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 869.617+/-0.117 χ^2/NDF: 7666466.5/47

All: 875.060+/-0.083 χ^2/NDF: 17259211.3/99

- sign 880.605+/-0.118 χ^2/NDF: 9588369.9/51

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -63.397+/-33.004 χ^2/NDF: 16.8/22

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -2.326+/-31.670 χ^2/NDF: 41.6/28

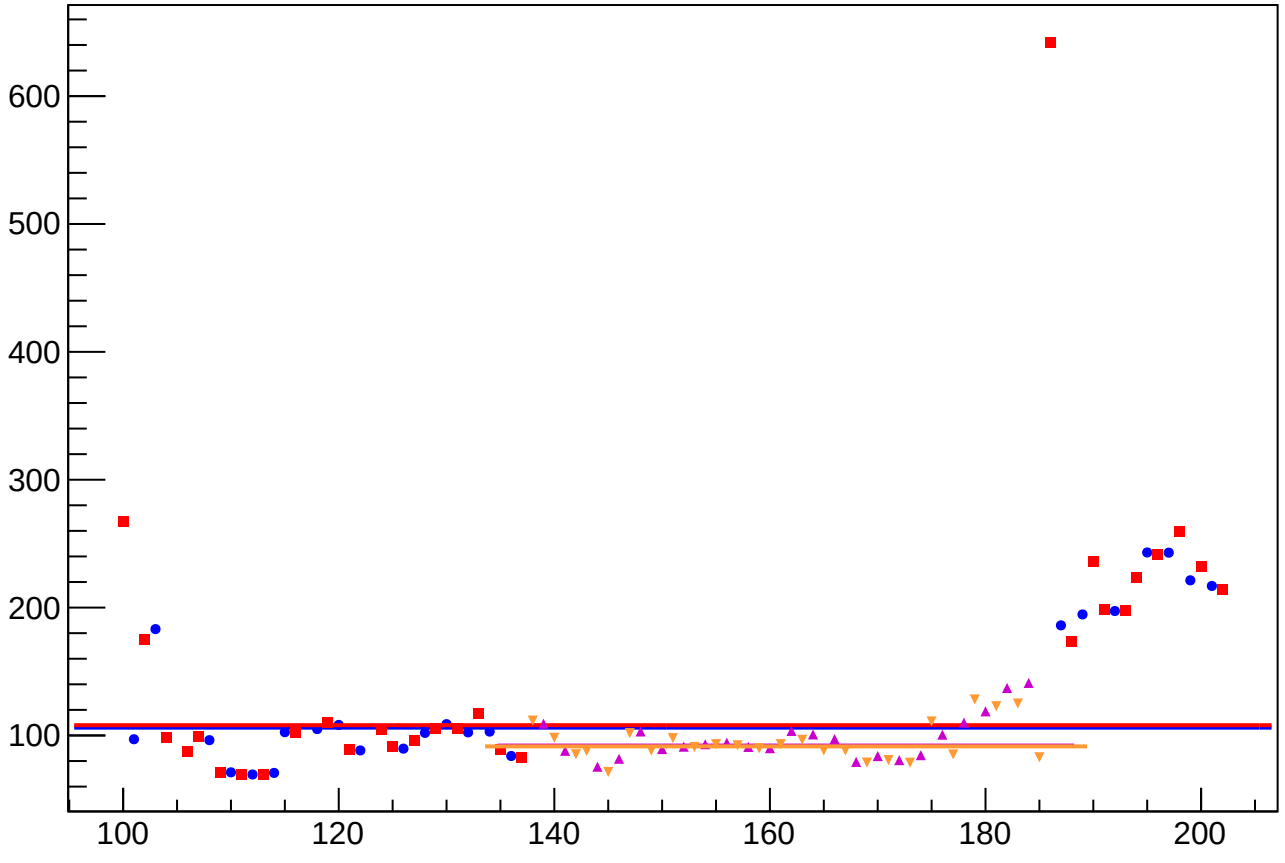
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.755+/-17.779 χ^2/NDF: 62.0/47

All: -6.433+/-12.641 χ^2/NDF: 152.3/99

- sign -51.616+/-17.978 χ^2/NDF: 77.8/51

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 106.121+/-0.023 χ^2/NDF: 3582110.9/22

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

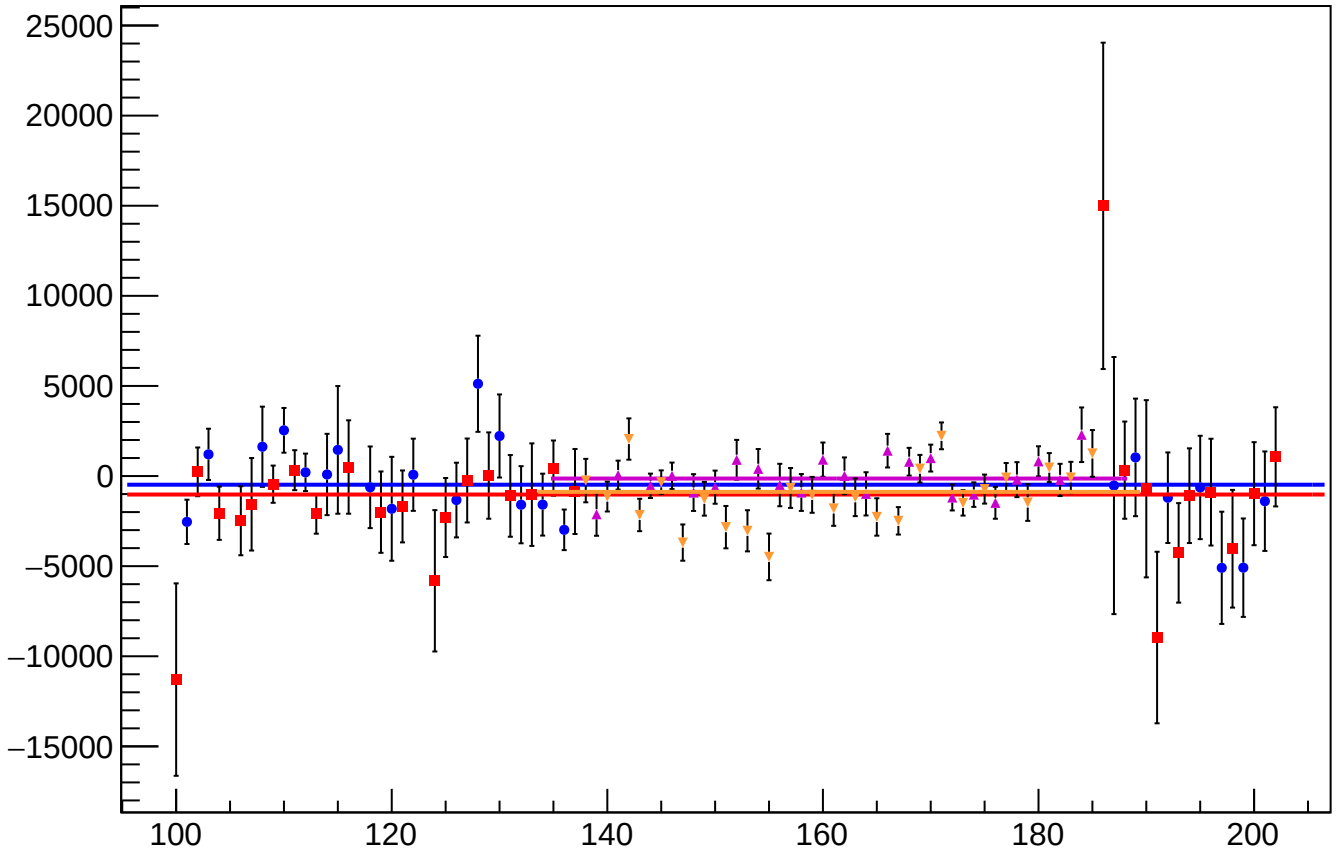
Right Out: 108.037+/-0.022 χ^2/NDF: 5225981.7/28

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

\+ sign 95.715+/-0.013 χ^2/NDF: 4613387.4/47

All: 96.467+/-0.009 χ^2/NDF: 10889425.7/99

\- sign 97.236+/-0.013 χ^2/NDF: 6268808.8/51



Right In: -480.540+/-393.983 χ^2/NDF: 29.1/22

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

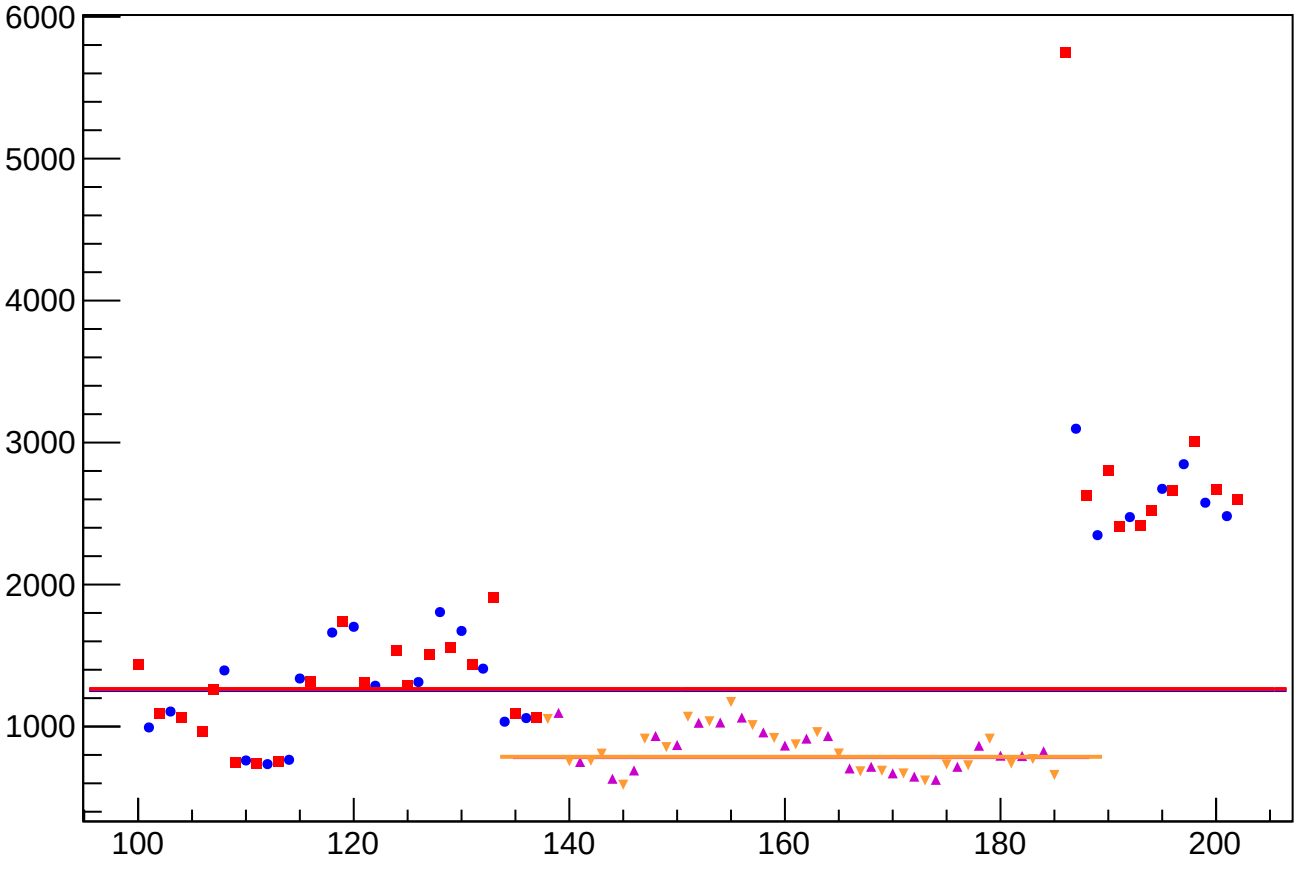
Right Out: -1025.381+/-373.387 χ^2/NDF: 21.1/28

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -808.354+/-165.363 χ^2/NDF: 97.7/47

All: -564.390+/-117.468 χ^2/NDF: 151.9/99

- sign -315.877+/-166.898 χ^2/NDF: 49.8/51



Right In: 1257.100+/-0.279 χ^2/NDF: 4107334.7/22

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1264.186+/-0.264 χ^2/NDF: 5886935.5/28

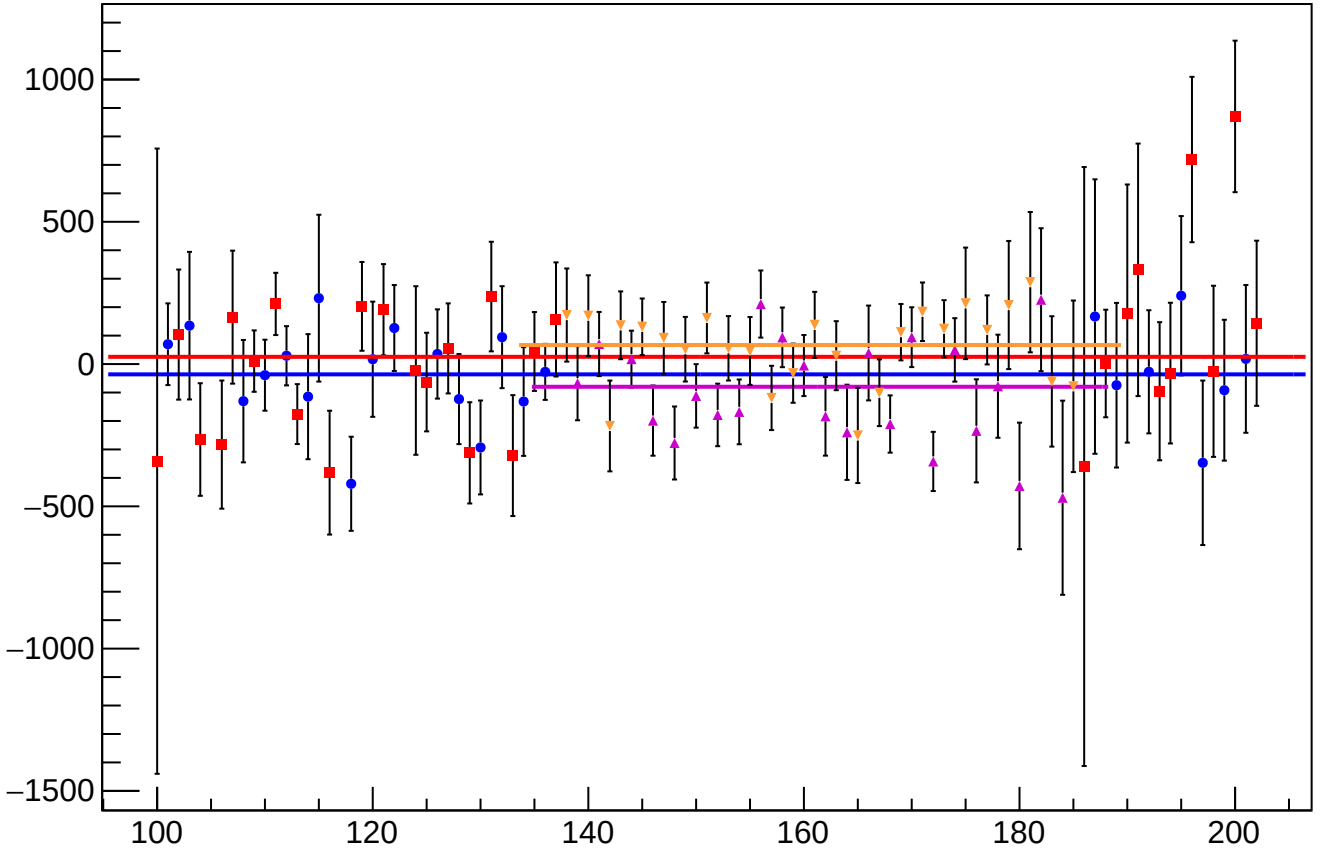
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 869.617+/-0.117 χ^2/NDF: 7666466.5/47

All: 875.060+/-0.083 χ^2/NDF: 17259211.3/99

- sign 880.605+/-0.118 χ^2/NDF: 9588369.9/51

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.123+/-36.484 χ^2/NDF: 15.3/22

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 25.488+/-35.189 χ^2/NDF: 42.3/28

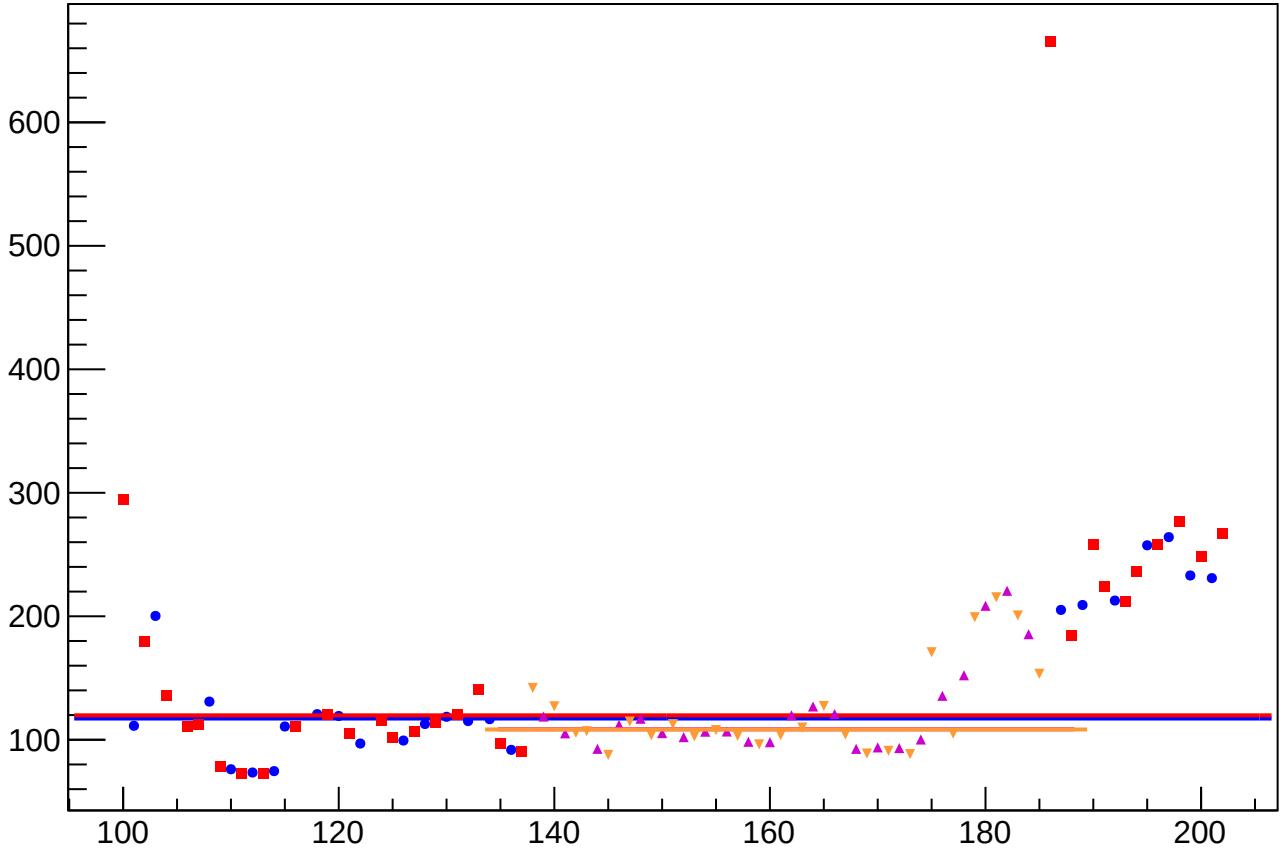
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 32.937+/-20.947 χ^2/NDF: 40.3/47

All: -4.342+/-14.853 χ^2/NDF: 131.6/99

- sign -42.045+/-21.066 χ^2/NDF: 85.0/51

dit_asym_sam_3748_avg_rms vs Slug



Right In: 117.211+/-0.026 χ^2/NDF: 3559032.2/22

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 119.795+/-0.025 χ^2/NDF: 5221022.2/28

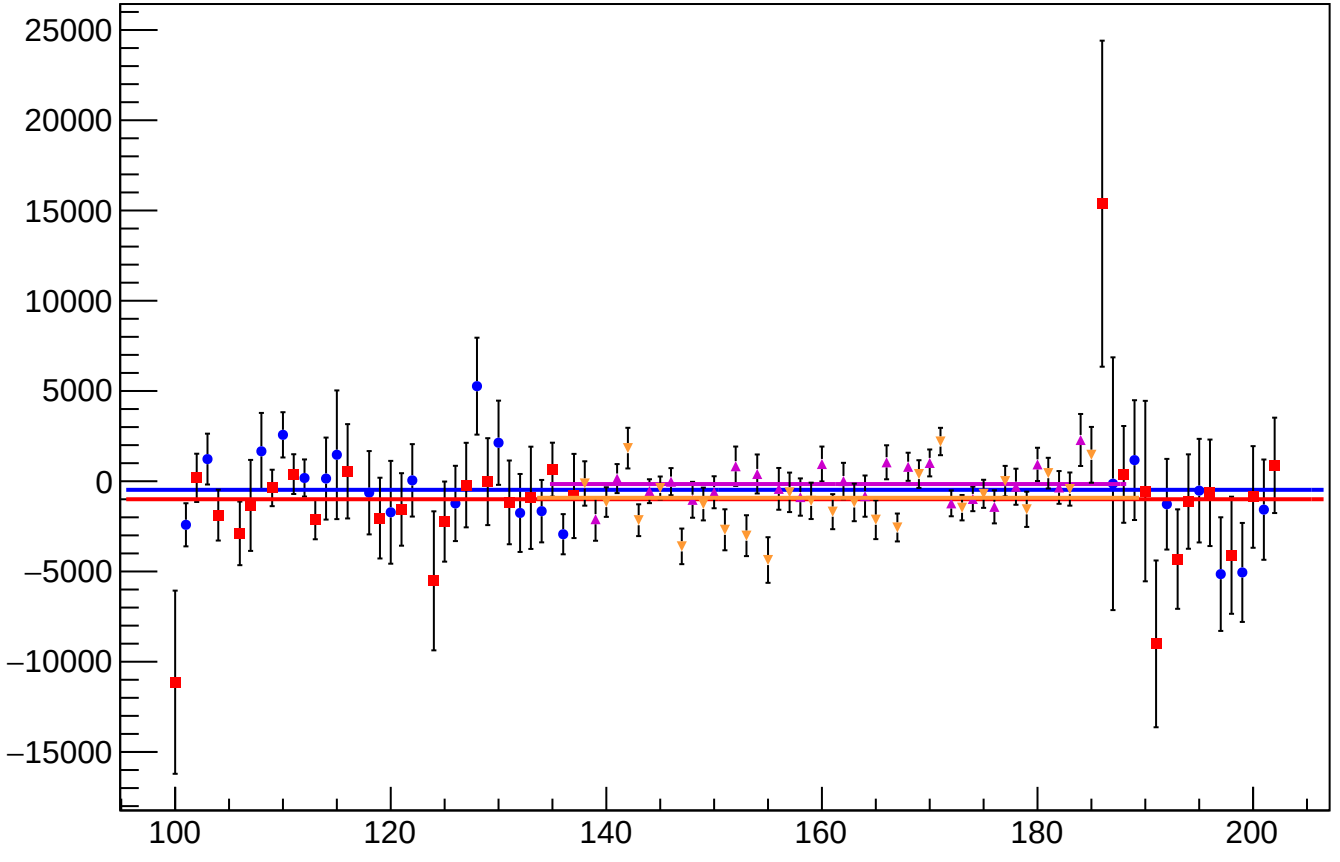
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 111.258+/-0.015 χ^2/NDF: 5413073.5/47

All: 111.897+/-0.011 χ^2/NDF: 12149619.3/99

- sign 112.543+/-0.015 χ^2/NDF: 6732802.1/51

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -476.170+/-392.123 χ^2/NDF: 29.2/22

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -997.879+/-368.486 χ^2/NDF: 22.6/28

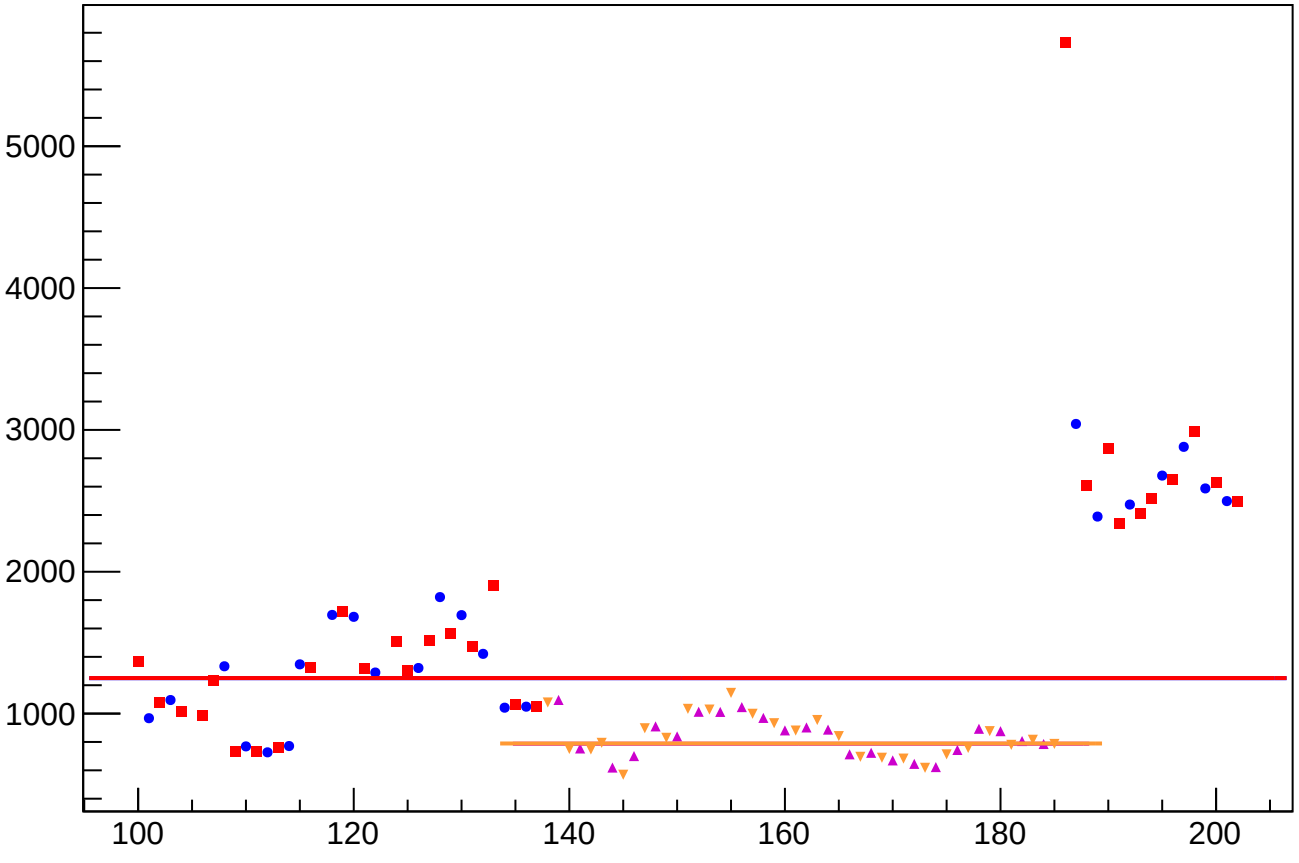
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -839.966+/-165.429 χ^2/NDF: 94.3/47

All: -586.393+/-117.471 χ^2/NDF: 148.9/99

- sign -328.482+/-166.838 χ^2/NDF: 49.9/51

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1249.445+/-0.277 χ^2/NDF: 4187704.9/22

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1250.563+/-0.261 χ^2/NDF: 5922102.1/28

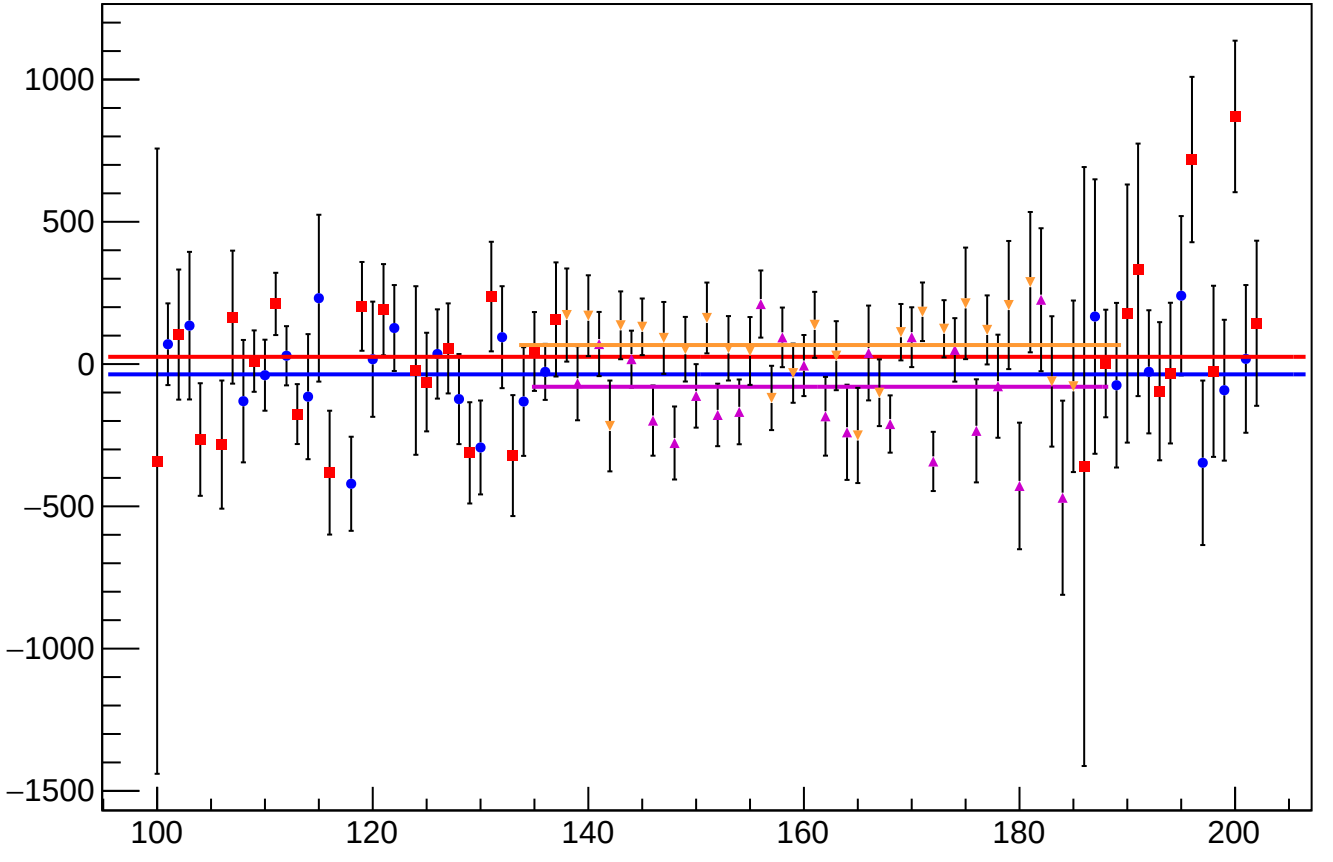
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 871.156+/-0.117 χ^2/NDF: 7628892.5/47

All: 876.700+/-0.083 χ^2/NDF: 17109052.9/99

- sign 882.339+/-0.118 χ^2/NDF: 9475629.9/51

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.122+/-36.484 χ^2/NDF: 15.3/22

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 25.490+/-35.189 χ^2/NDF: 42.3/28

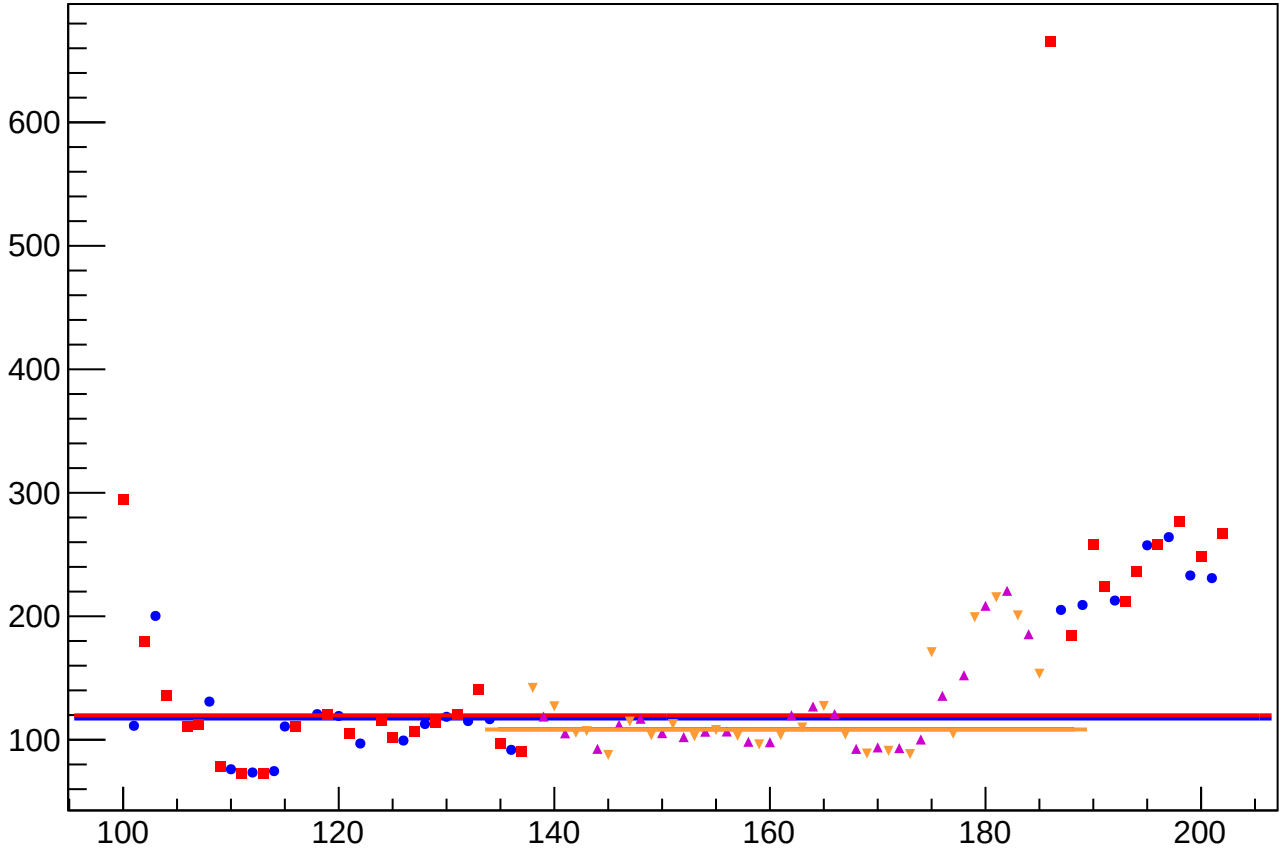
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 32.939+/-20.947 χ^2/NDF: 40.3/47

All: -4.341+/-14.853 χ^2/NDF: 131.6/99

- sign -42.044+/-21.066 χ^2/NDF: 85.0/51

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 117.211+/-0.026 χ^2/NDF: 3559022.3/22

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

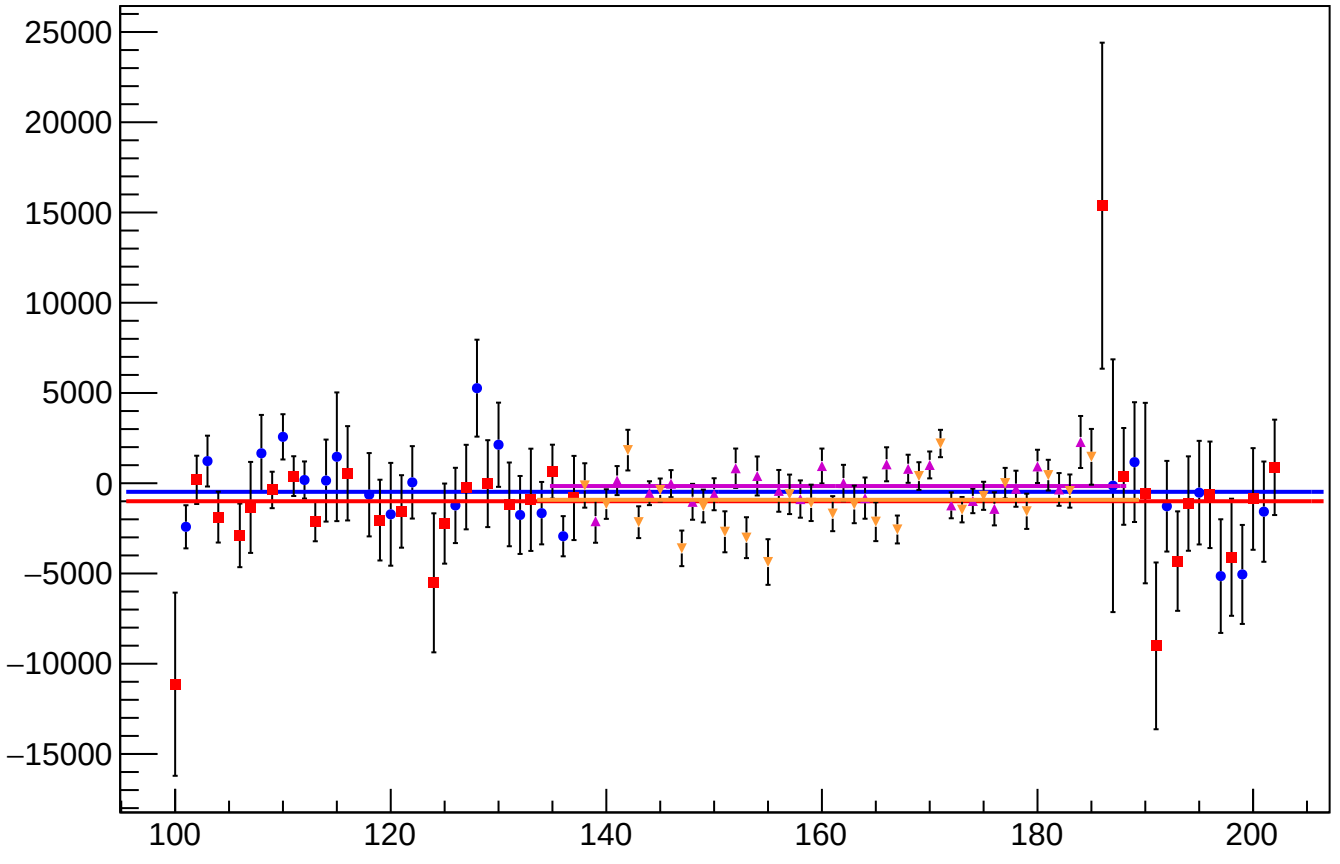
Right Out: 119.795+/-0.025 χ^2/NDF: 5221026.5/28

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 111.258+/-0.015 χ^2/NDF: 5413055.3/47

All: 111.897+/-0.011 χ^2/NDF: 12149582.5/99

- sign 112.543+/-0.015 χ^2/NDF: 6732783.6/51



Right In: -476.169+/-392.122 χ^2/NDF: 29.2/22

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

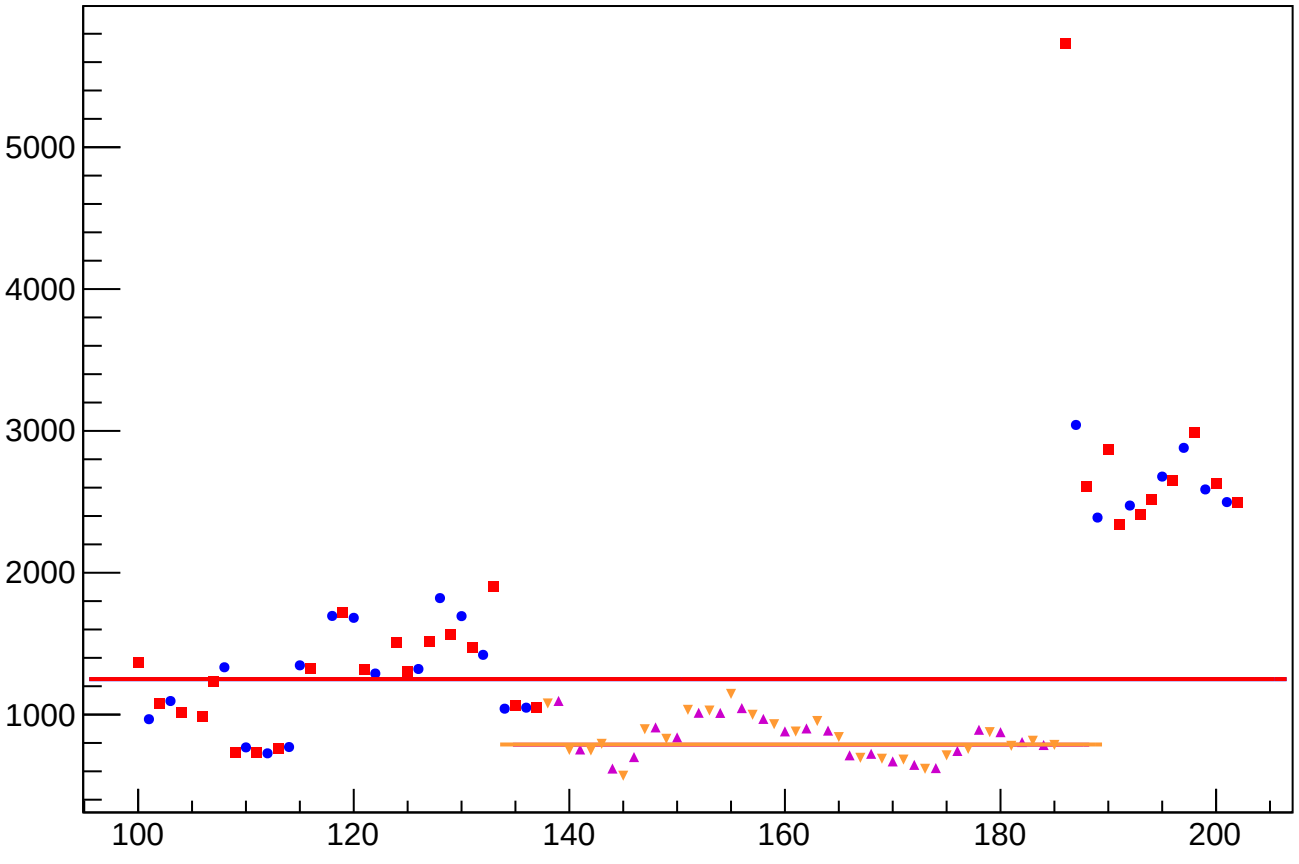
Right Out: -997.878+/-368.485 χ^2/NDF: 22.6/28

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

\+ sign -839.965+/-165.429 χ^2/NDF: 94.3/47

All: -586.392+/-117.471 χ^2/NDF: 148.9/99

\- sign -328.481+/-166.838 χ^2/NDF: 49.9/51



Right In: 1249.442+/-0.277 χ^2/NDF: 4187712.8/22

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1250.561+/-0.261 χ^2/NDF: 5922106.0/28

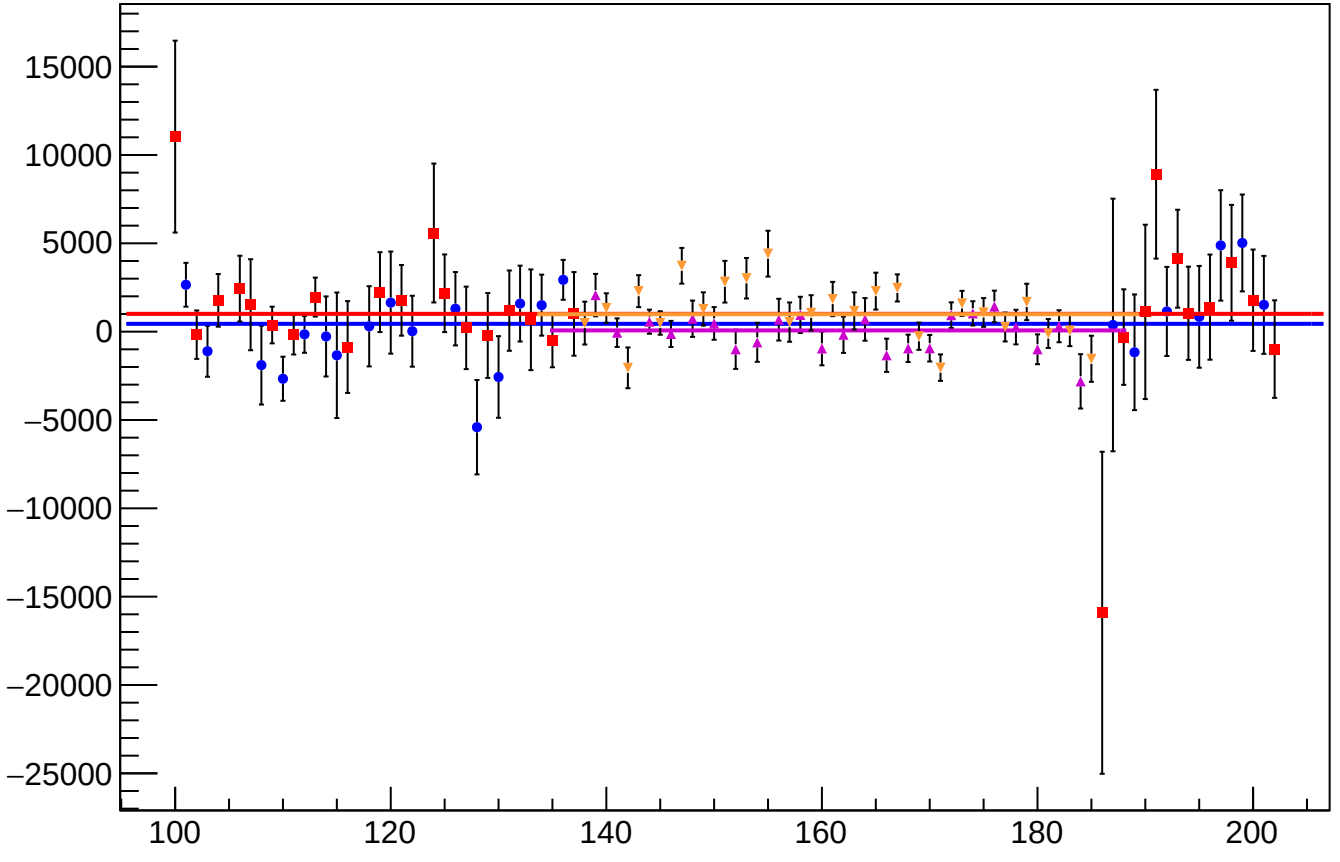
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 871.155+/-0.117 χ^2/NDF: 7628902.4/47

All: 876.699+/-0.083 χ^2/NDF: 17109068.1/99

- sign 882.337+/-0.118 χ^2/NDF: 9475635.1/51

asym_sam_3748_avg_mean vs Slug



Right In: 442.759+/-396.032 χ^2/NDF: 30.0/22

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1008.410+/-374.756 χ^2/NDF: 20.3/28

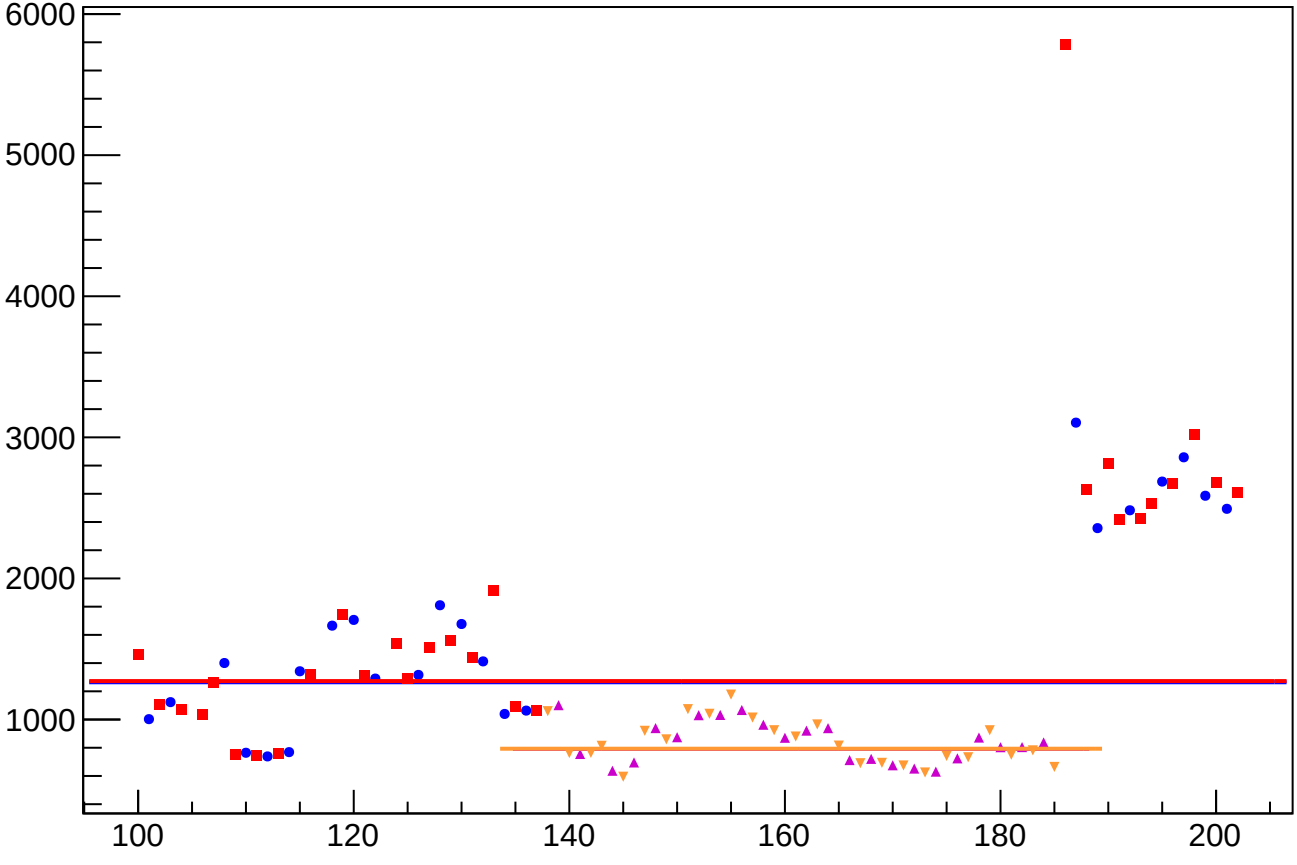
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 889.615+/-166.571 χ^2/NDF: 95.3/47

All: 577.029+/-118.309 χ^2/NDF: 152.1/99

- sign 258.807+/-168.066 χ^2/NDF: 49.7/51

asym_sam_3748_avg_rms vs Slug



Right In: 1264.117+/-0.280 χ^2/NDF: 4092751.8/22

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

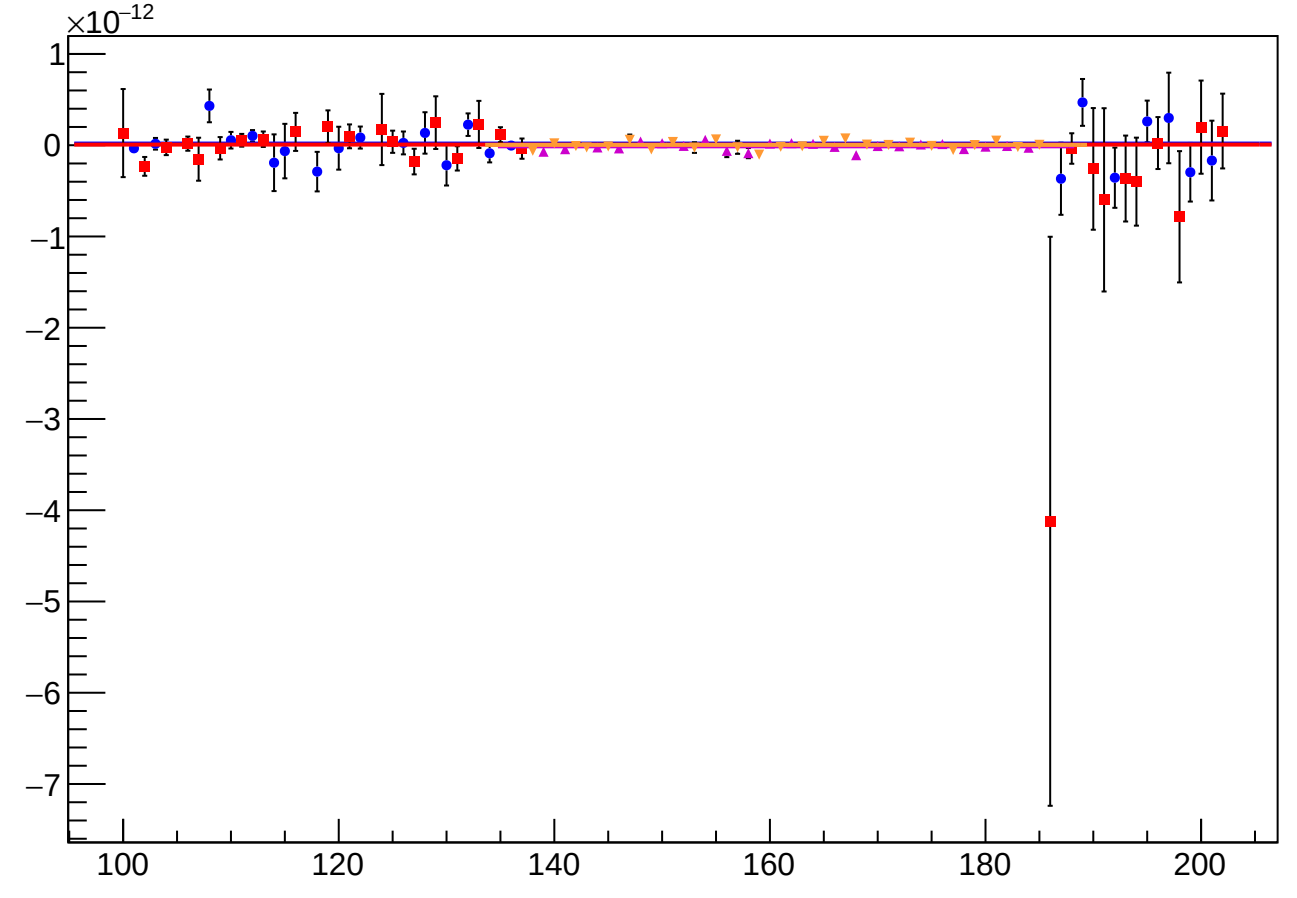
Right Out: 1272.508+/-0.265 χ^2/NDF: 5857366.4/28

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 876.385+/-0.118 χ^2/NDF: 7615795.4/47

All: 882.124+/-0.084 χ^2/NDF: 17163029.8/99

- sign 887.967+/-0.119 χ^2/NDF: 9542442.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 24.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

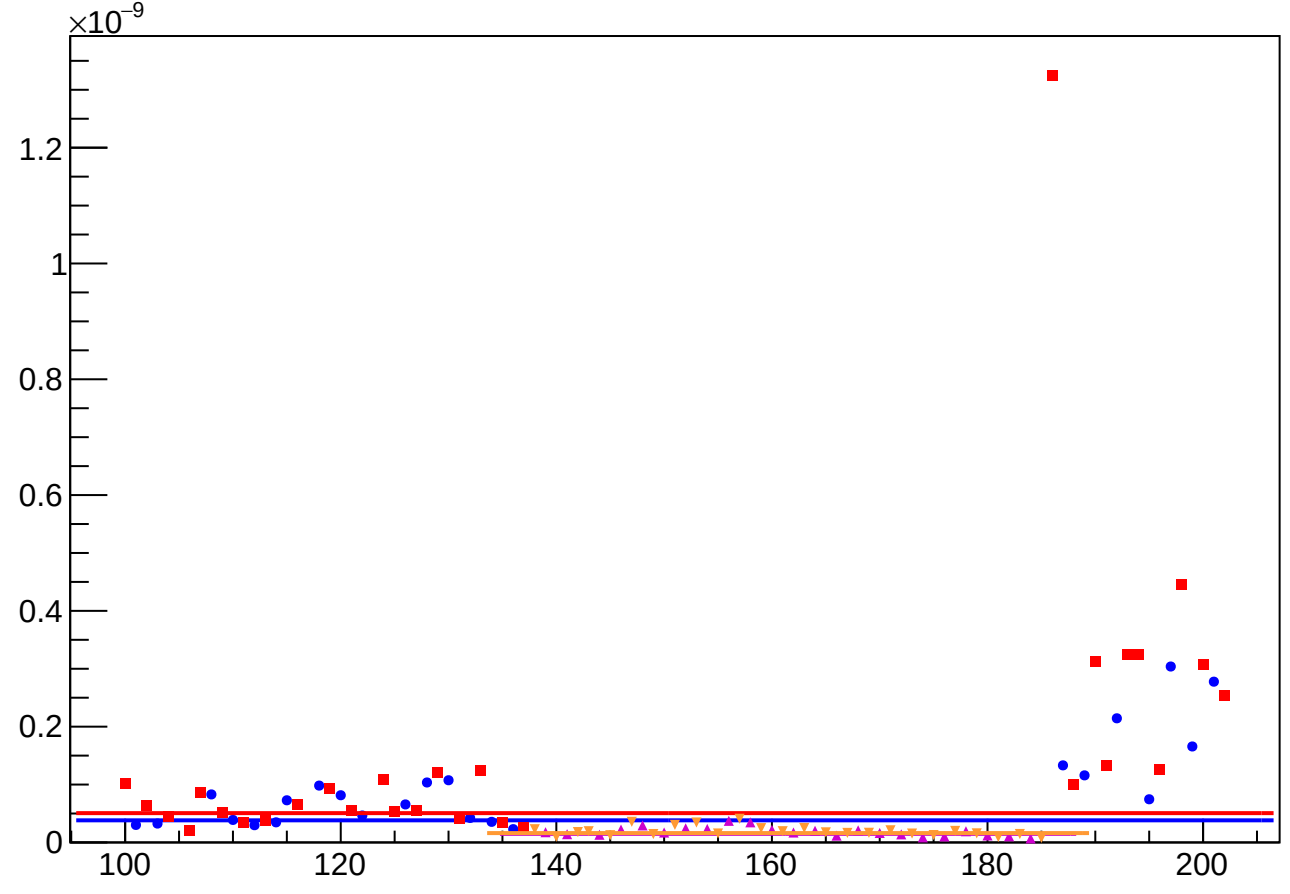
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/28

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/47

All: -0.000+/-0.000 χ^2/NDF: 109.3/99

- sign -0.000+/-0.000 χ^2/NDF: 46.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 3653183.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5080268.7/28

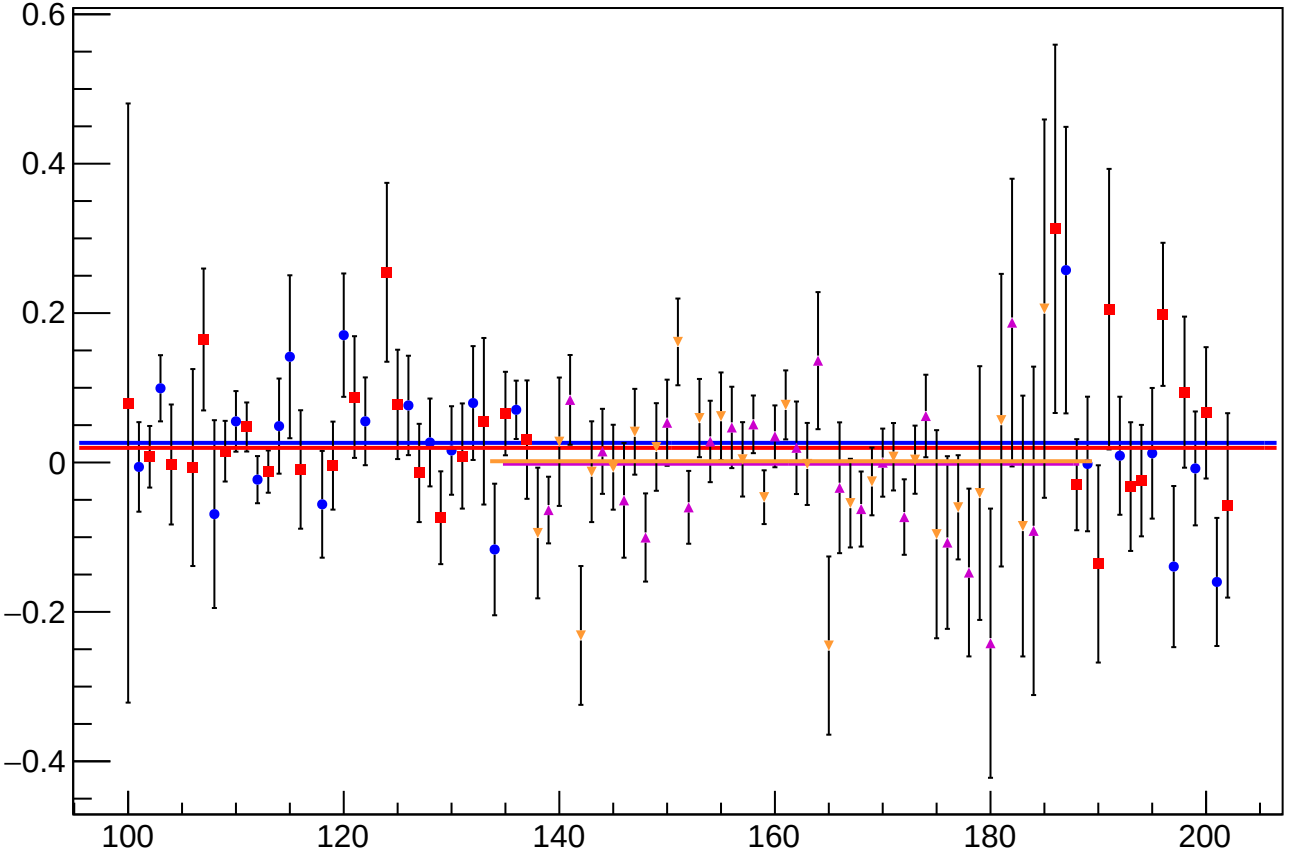
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7308410.0/47

All: 0.000+/-0.000 χ^2/NDF: 17599945.5/99

- sign 0.000+/-0.000 χ^2/NDF: 10257411.2/51

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.013 χ^2/NDF: 26.3/22

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.020+/-0.012 χ^2/NDF: 23.2/28

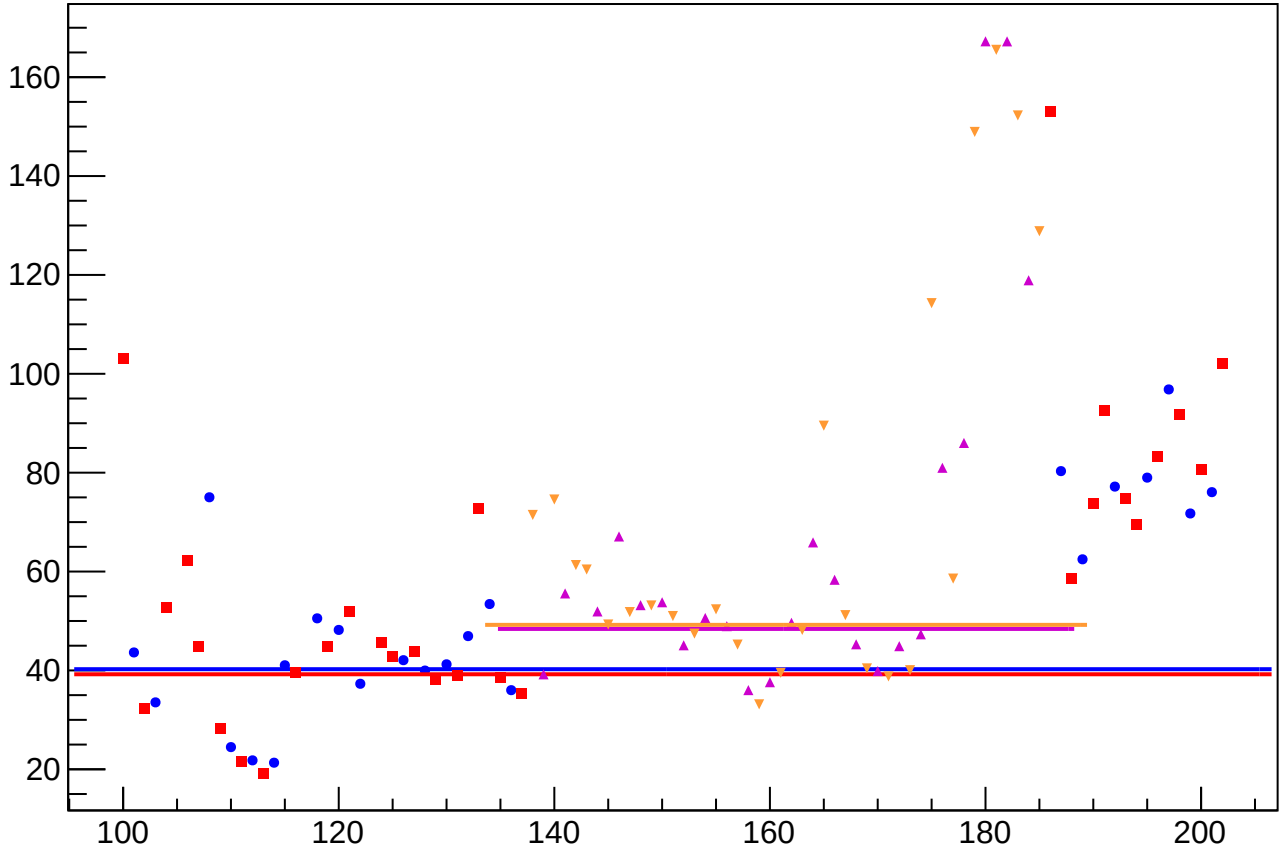
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 58.6/47

All: 0.011+/-0.006 χ^2/NDF: 109.5/99

- sign 0.009+/-0.009 χ^2/NDF: 50.8/51

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 40.250+/-0.009 χ^2/NDF: 3796998.3/22

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

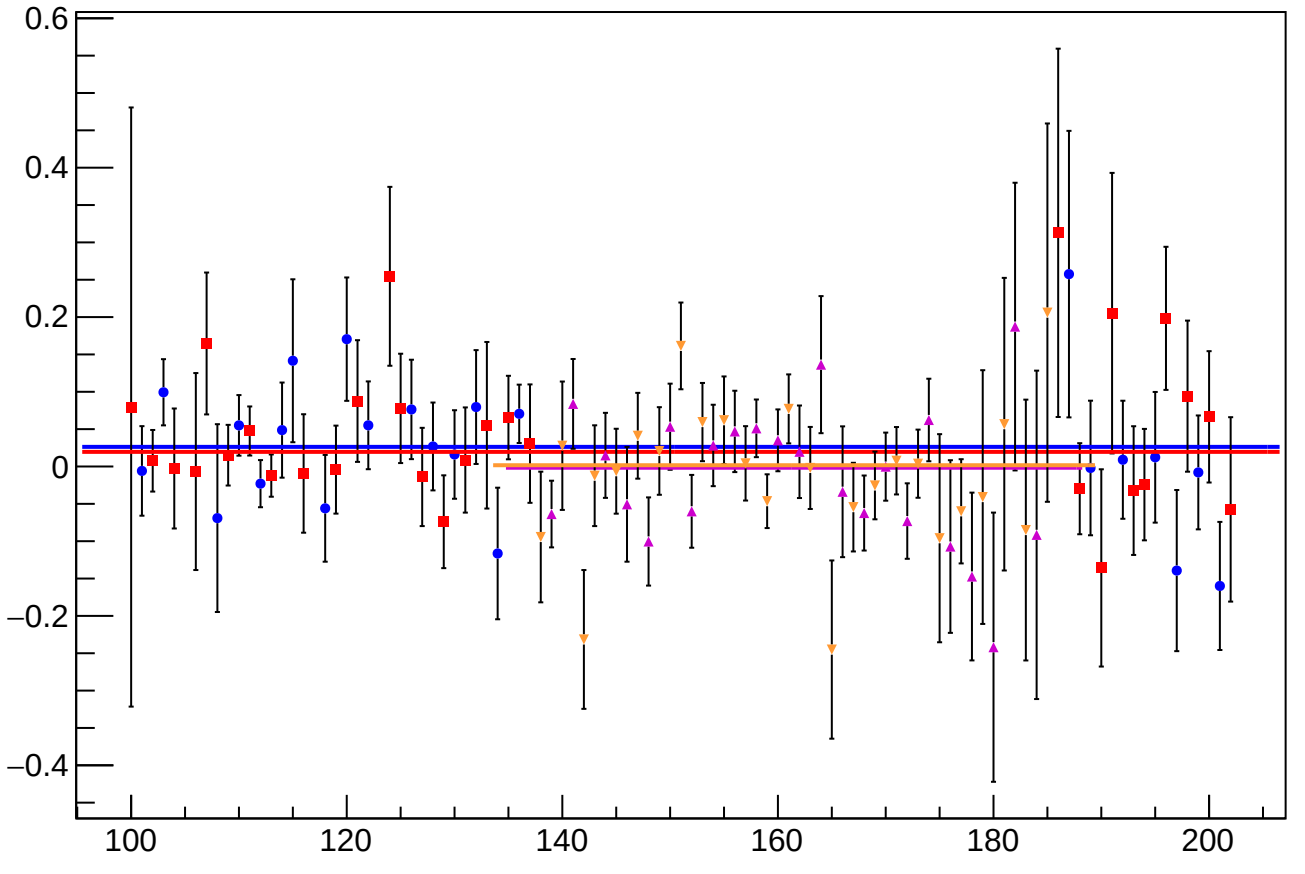
Right Out: 39.221+/-0.009 χ^2/NDF: 5758672.2/28

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 44.944+/-0.006 χ^2/NDF: 8475260.6/47

All: 44.295+/-0.004 χ^2/NDF: 17852255.3/99

- sign 43.684+/-0.006 χ^2/NDF: 9356315.2/51



Right In: 0.026+/-0.013 χ^2/NDF: 26.3/22

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

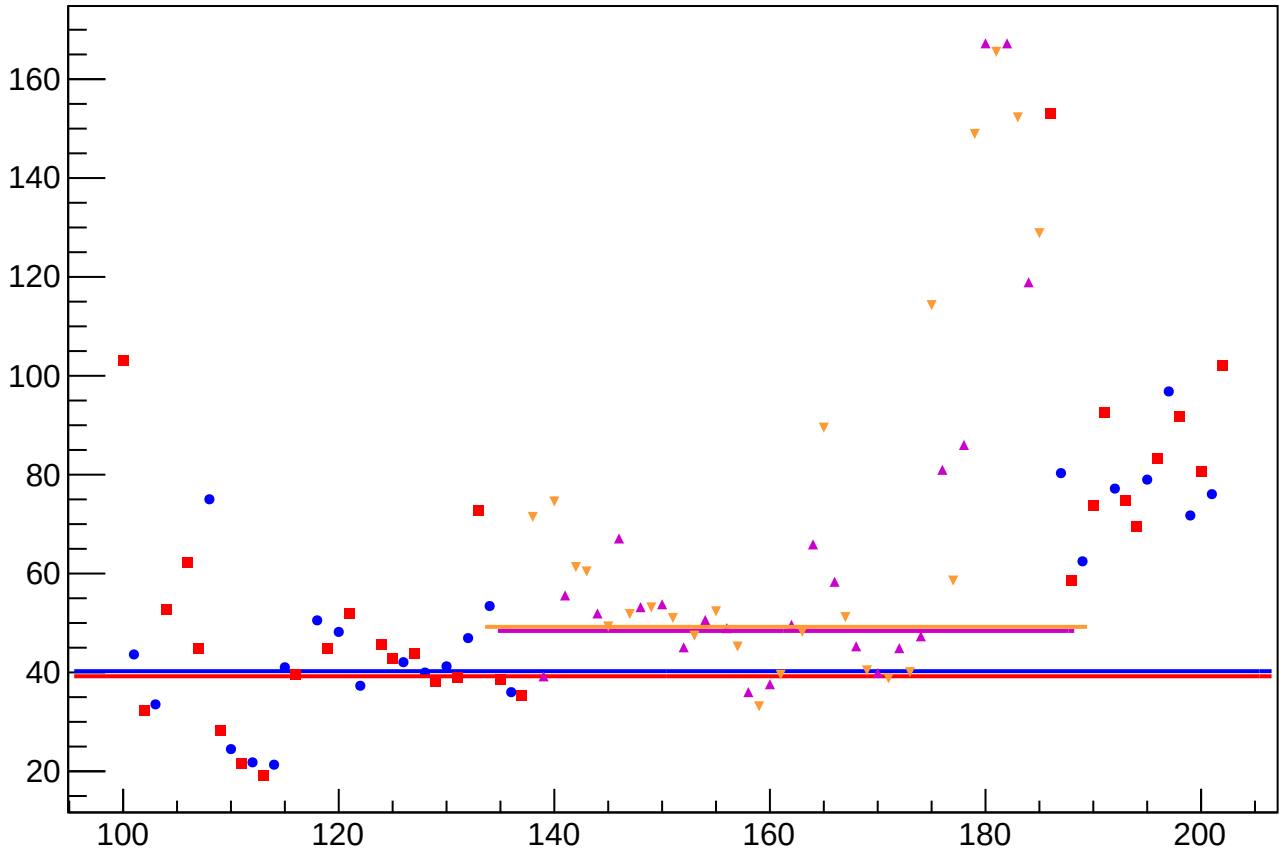
Right Out: 0.020+/-0.012 χ^2/NDF: 23.2/28

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 58.6/47

All: 0.011+/-0.006 χ^2/NDF: 109.5/99

- sign 0.009+/-0.009 χ^2/NDF: 50.8/51



Right In: 40.250+/-0.009 χ^2/NDF: 3796998.3/22

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

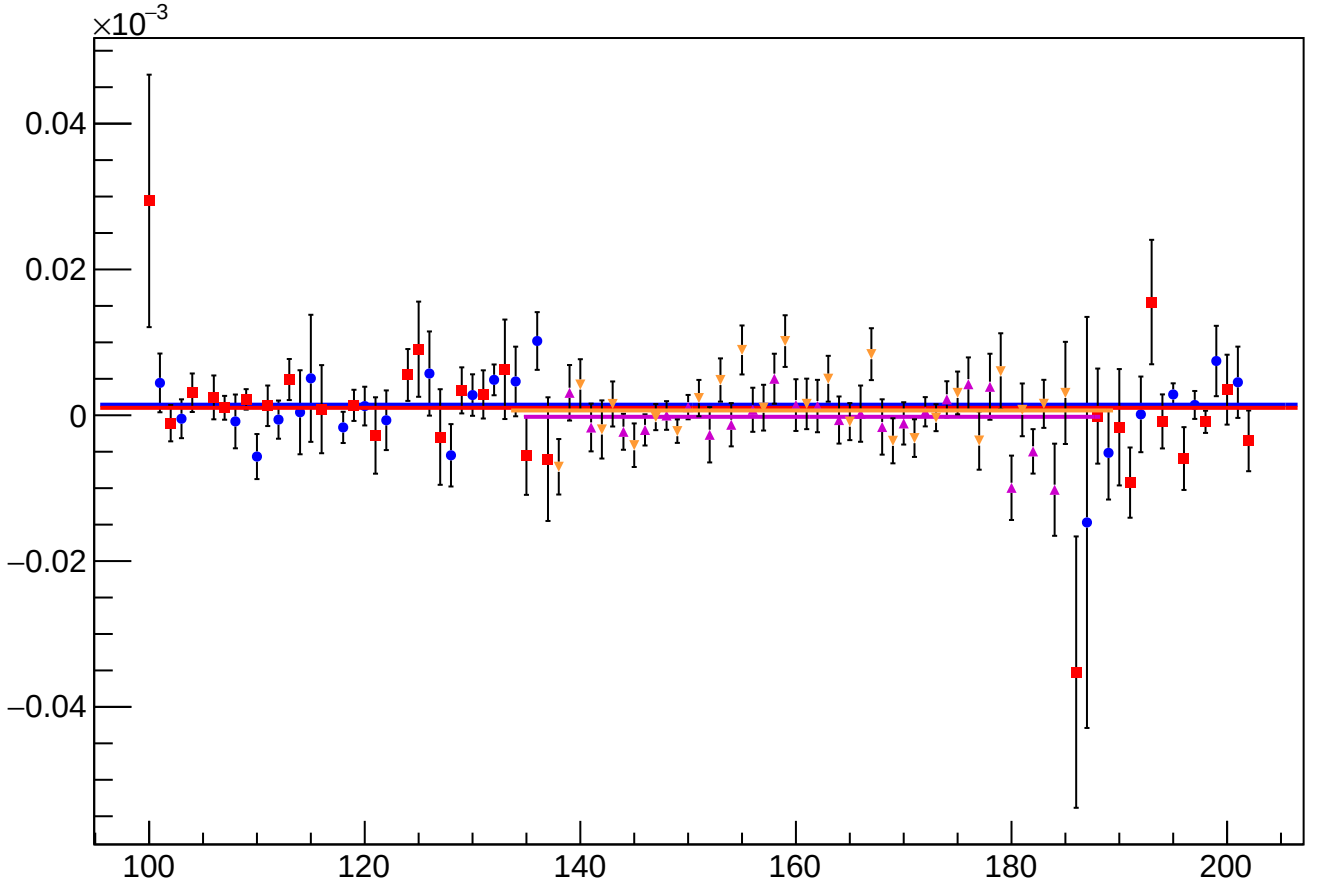
Right Out: 39.221+/-0.009 χ^2/NDF: 5758672.2/28

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 44.944+/-0.006 χ^2/NDF: 8475260.6/47

All: 44.295+/-0.004 χ^2/NDF: 17852255.3/99

- sign 43.684+/-0.006 χ^2/NDF: 9356315.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

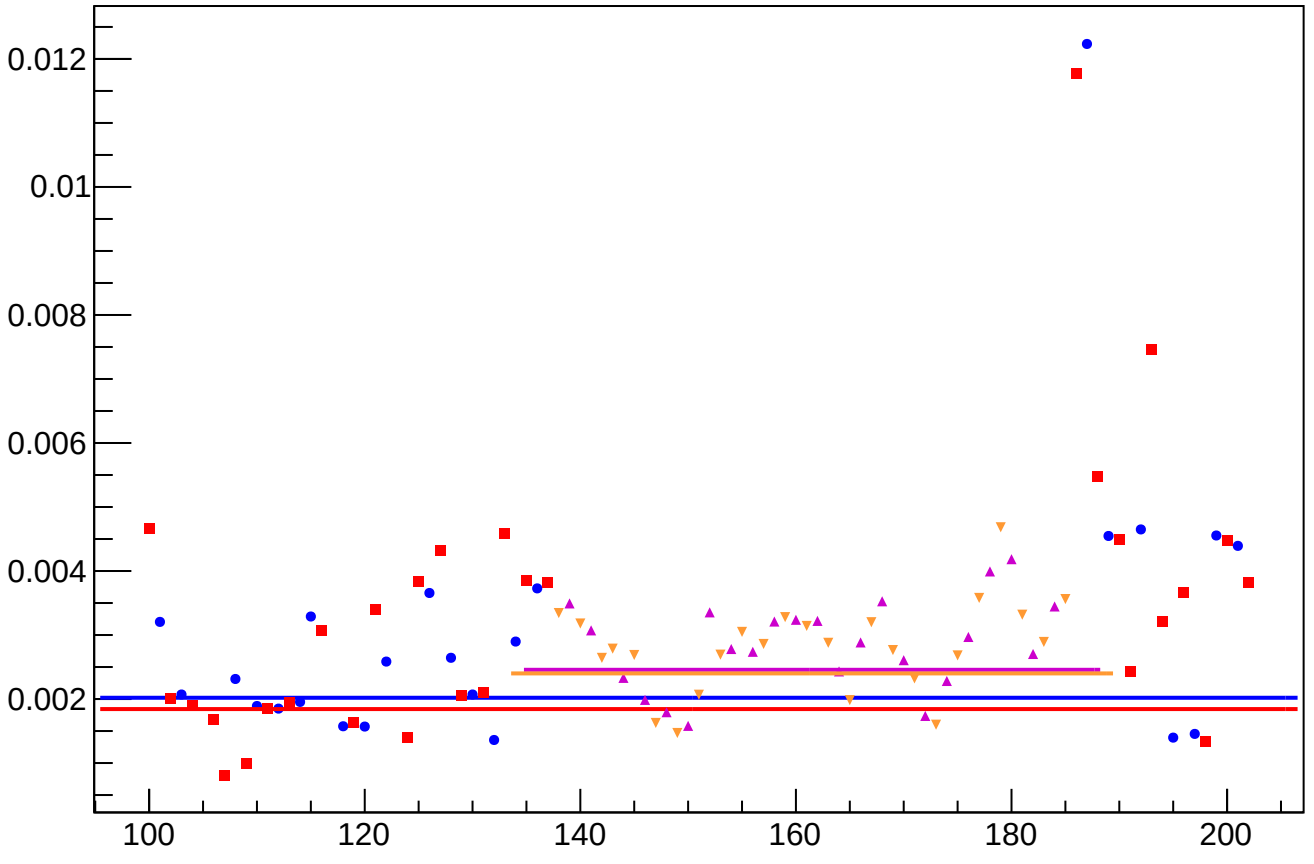
Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/28

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.0/47

All: 0.000+/-0.000 χ^2/NDF: 122.7/99

- sign 0.000+/-0.000 χ^2/NDF: 53.7/51



Right In: 0.002+/-0.000 χ^2/NDF: 3880284.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

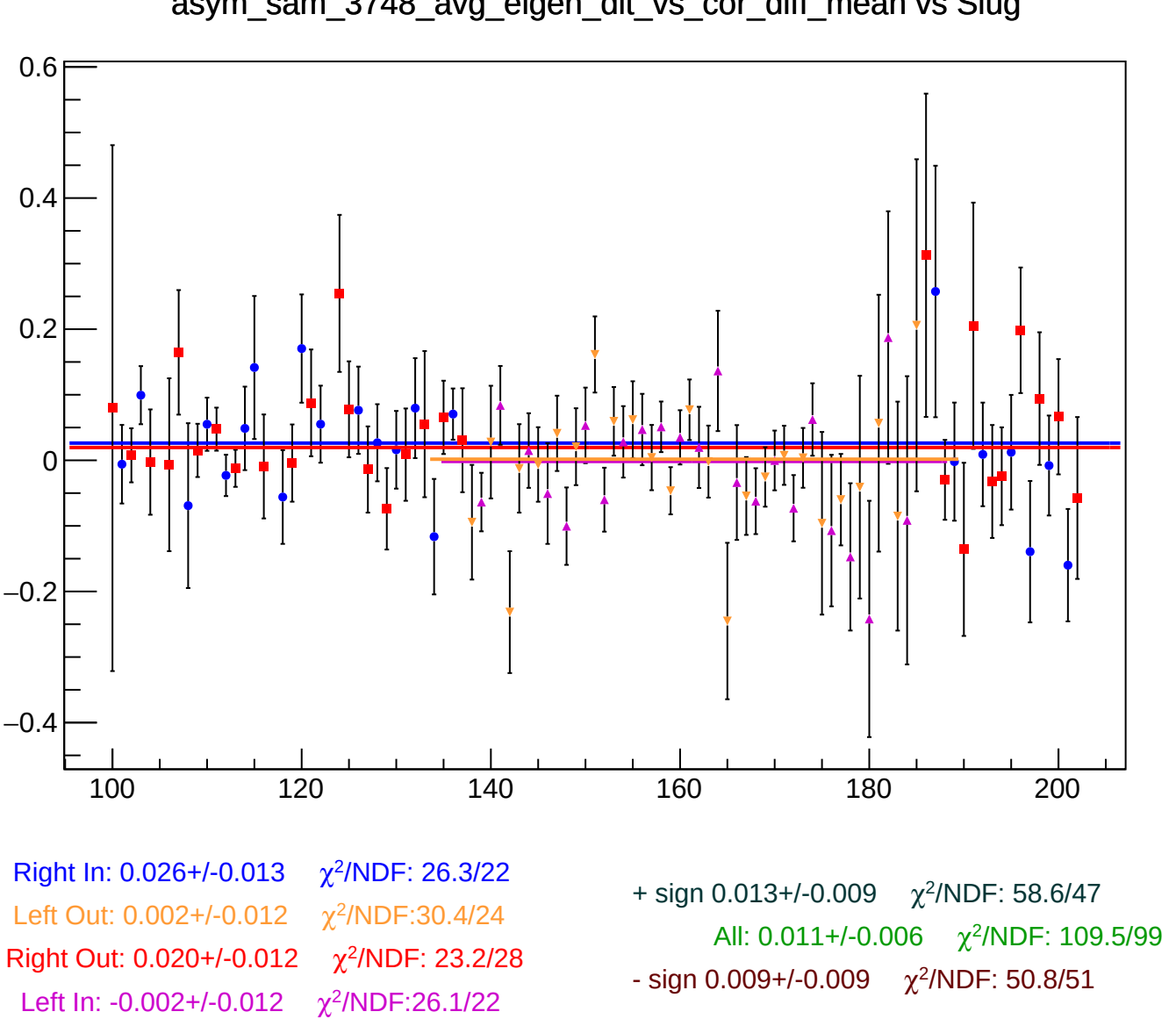
Right Out: 0.002+/-0.000 χ^2/NDF: 7335685.9/28

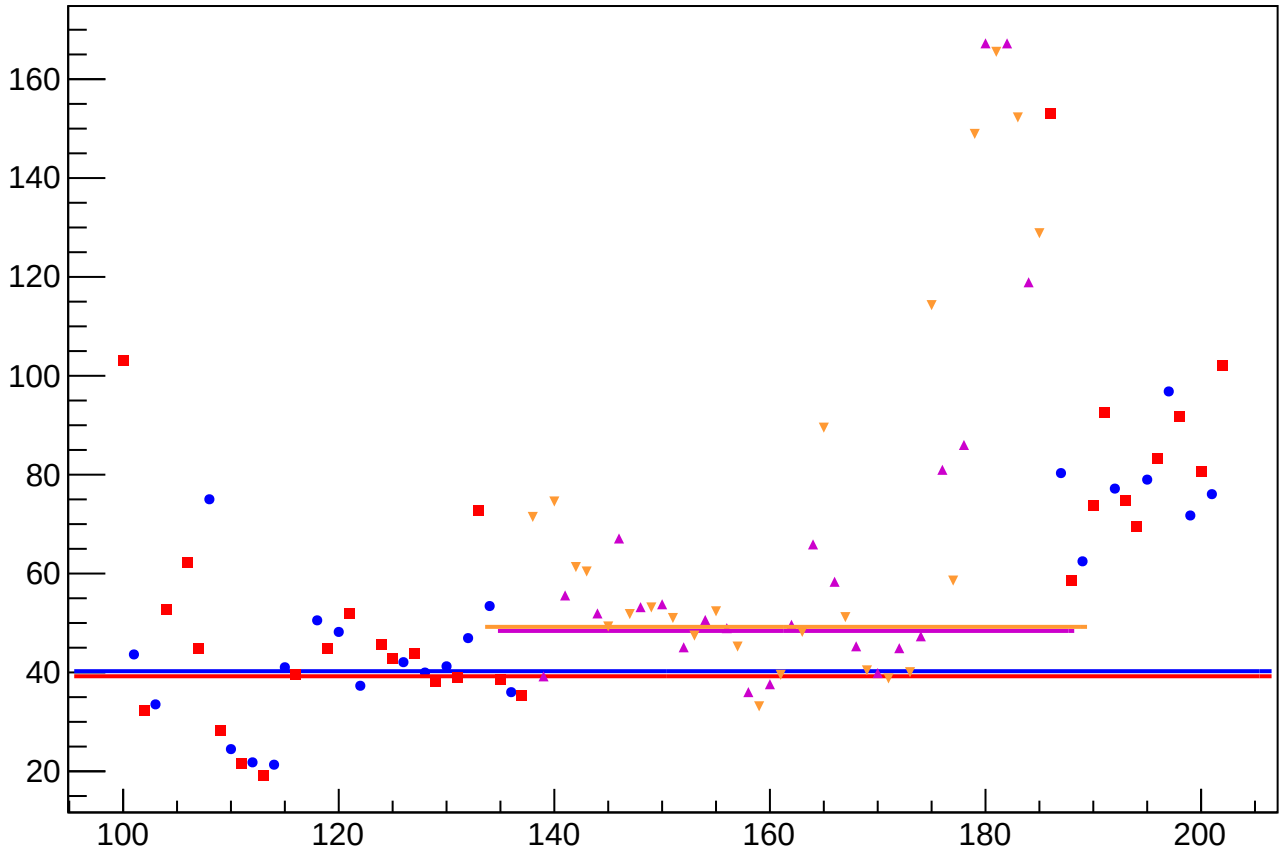
Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 7390427.6/47

All: 0.002+/-0.000 χ^2/NDF: 18487013.0/99

- sign 0.002+/-0.000 χ^2/NDF: 11046031.2/51


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.026+/-0.013 χ²/NDF: 26.3/22
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.020+/-0.012 χ²/NDF: 23.2/28
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.013+/-0.009 χ²/NDF: 58.6/47
All: 0.011+/-0.006 χ²/NDF: 109.5/99
- sign 0.009+/-0.009 χ²/NDF: 50.8/51



Right In: 40.250+/-0.009 χ^2/NDF: 3796892.5/22

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

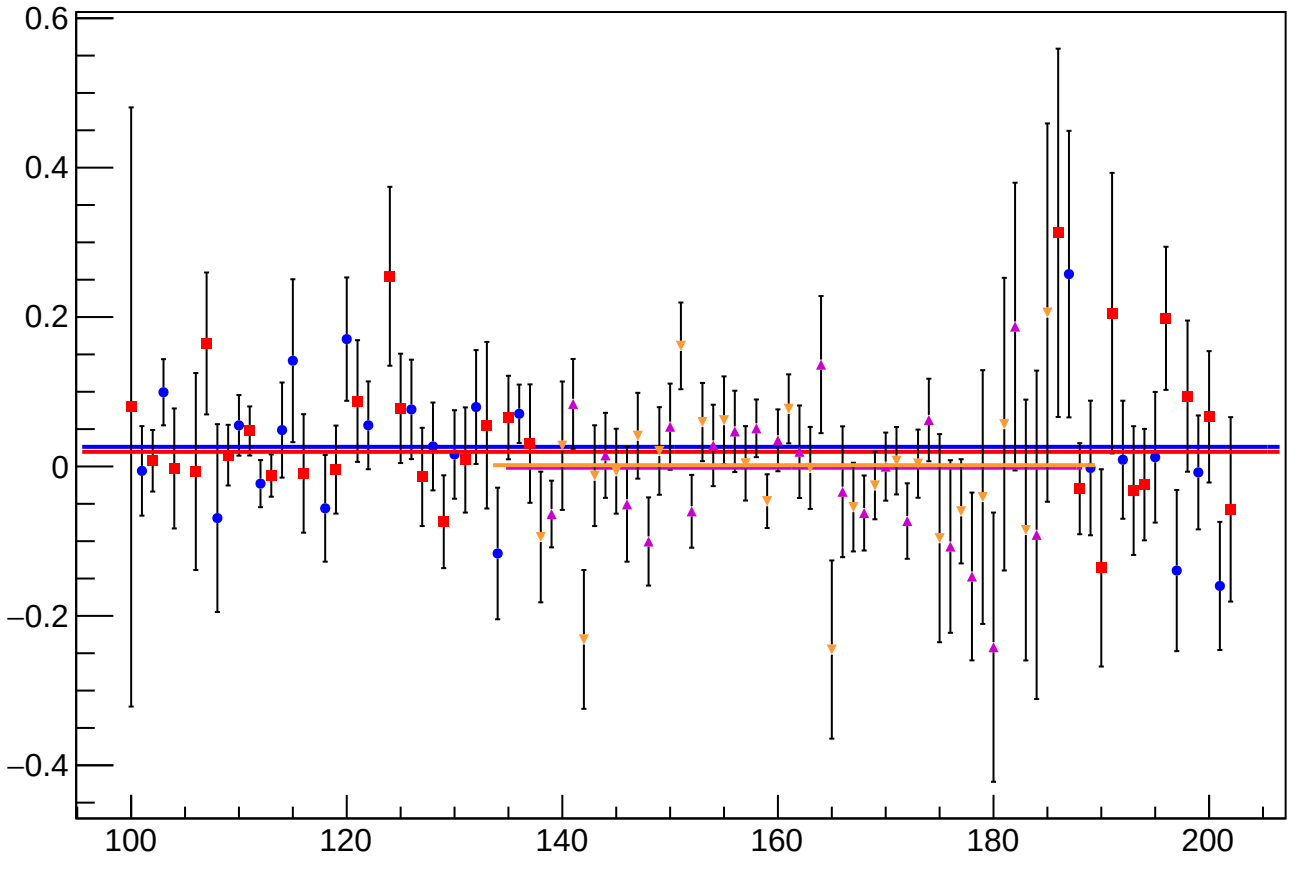
Right Out: 39.221+/-0.009 χ^2/NDF: 5758622.6/28

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.945+/-0.006 χ^2/NDF: 8475140.3/47

All: 44.295+/-0.004 χ^2/NDF: 17852050.3/99

- sign 43.684+/-0.006 χ^2/NDF: 9356232.3/51



Right In: 0.026+/-0.013 χ^2/NDF: 26.3/22

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

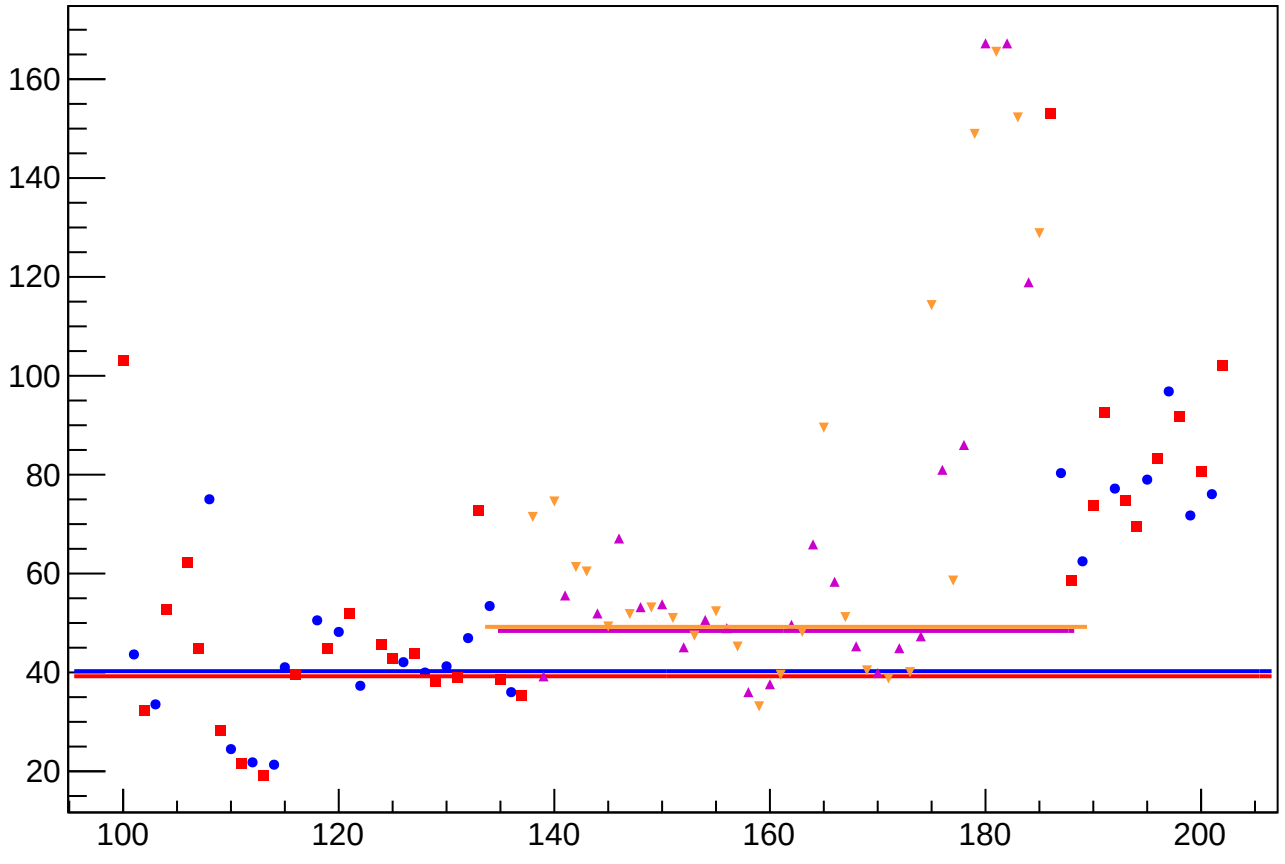
Right Out: 0.020+/-0.012 χ^2/NDF: 23.2/28

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 58.6/47

All: 0.011+/-0.006 χ^2/NDF: 109.5/99

- sign 0.009+/-0.009 χ^2/NDF: 50.8/51



Right In: 40.250+/-0.009 χ^2/NDF: 3796892.5/22

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

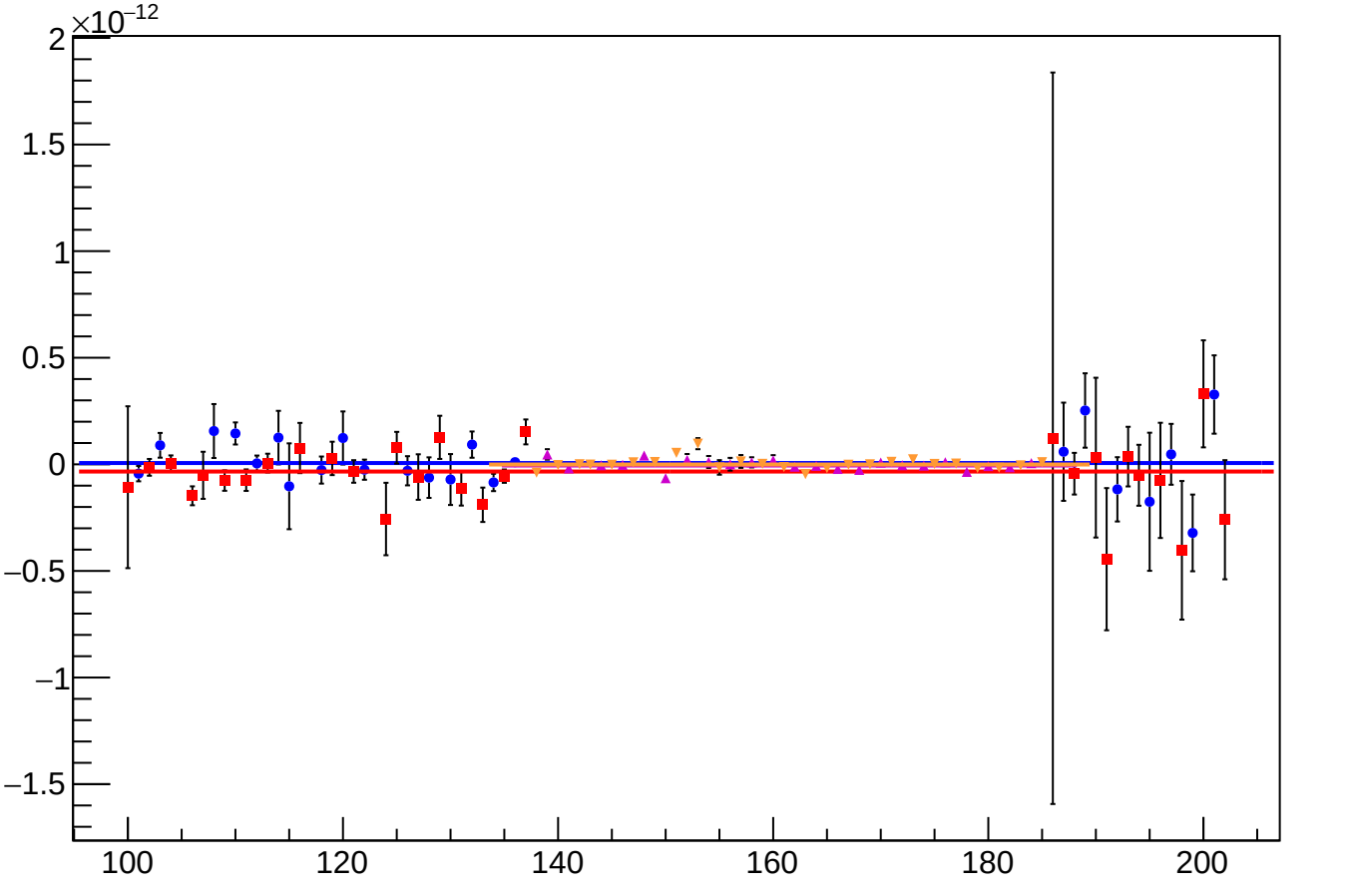
Right Out: 39.221+/-0.009 χ^2/NDF: 5758622.6/28

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.945+/-0.006 χ^2/NDF: 8475140.3/47

All: 44.295+/-0.004 χ^2/NDF: 17852050.3/99

- sign 43.684+/-0.006 χ^2/NDF: 9356232.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

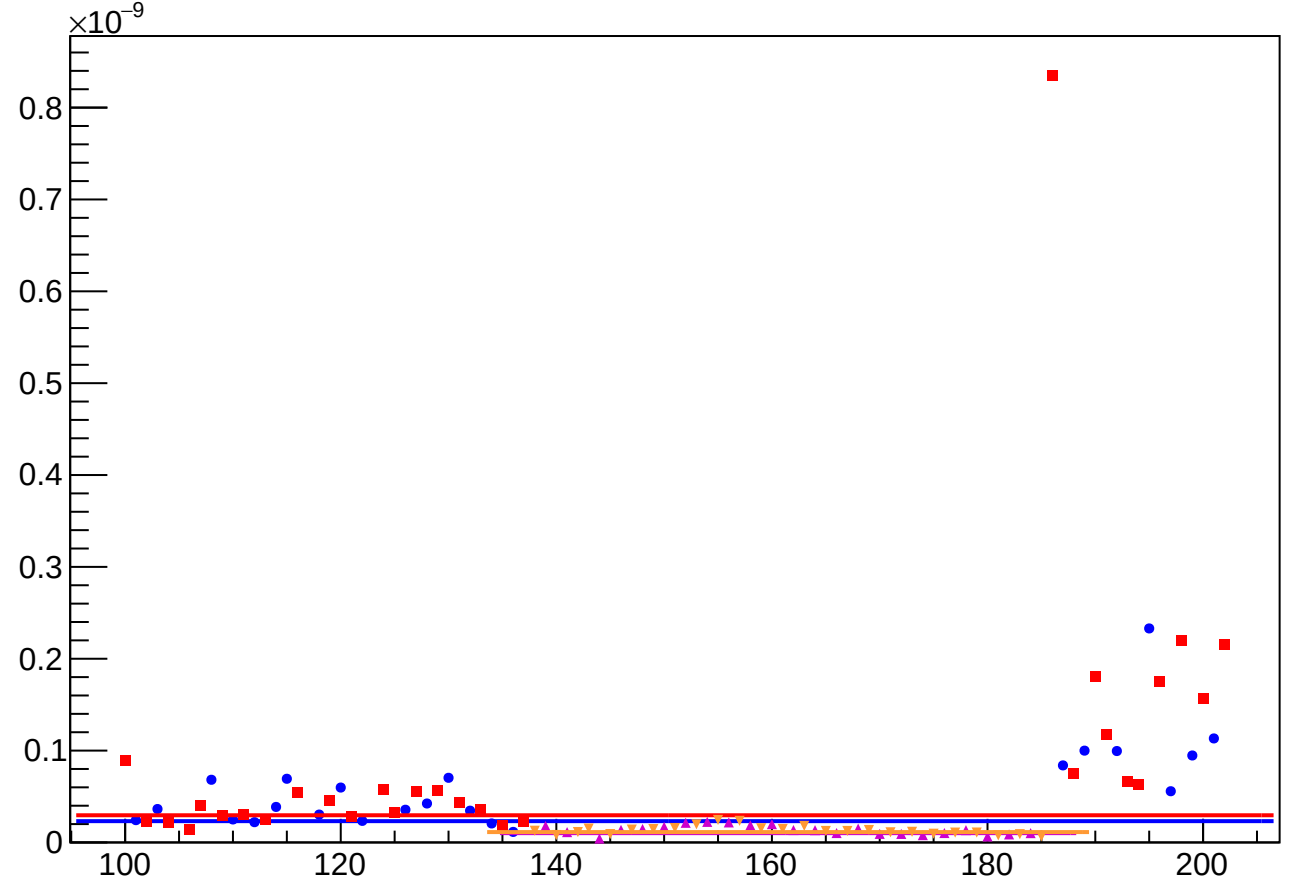
Right Out: -0.000+/-0.000 χ^2/NDF: 39.4/28

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.4/47

All: -0.000+/-0.000 χ^2/NDF: 145.3/99

- sign -0.000+/-0.000 χ^2/NDF: 72.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 4922538.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5573676.9/28

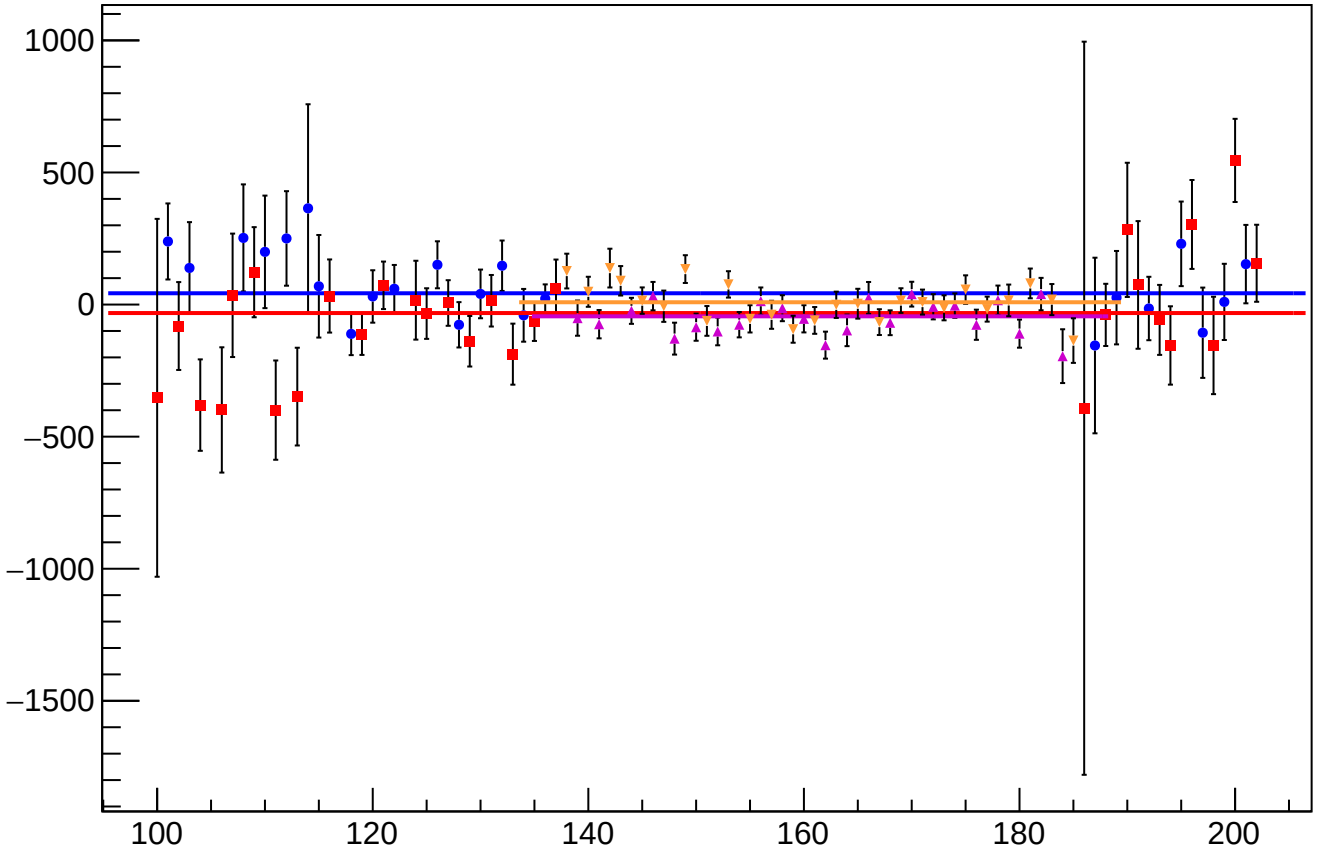
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9188156.9/47

All: 0.000+/-0.000 χ^2/NDF: 23262134.3/99

- sign 0.000+/-0.000 χ^2/NDF: 13983822.0/51

reg_asym_sam_1526_avg_mean vs Slug



Right In: 42.777+/-23.691 χ^2/NDF: 18.3/22

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -32.109+/-23.956 χ^2/NDF: 43.6/28

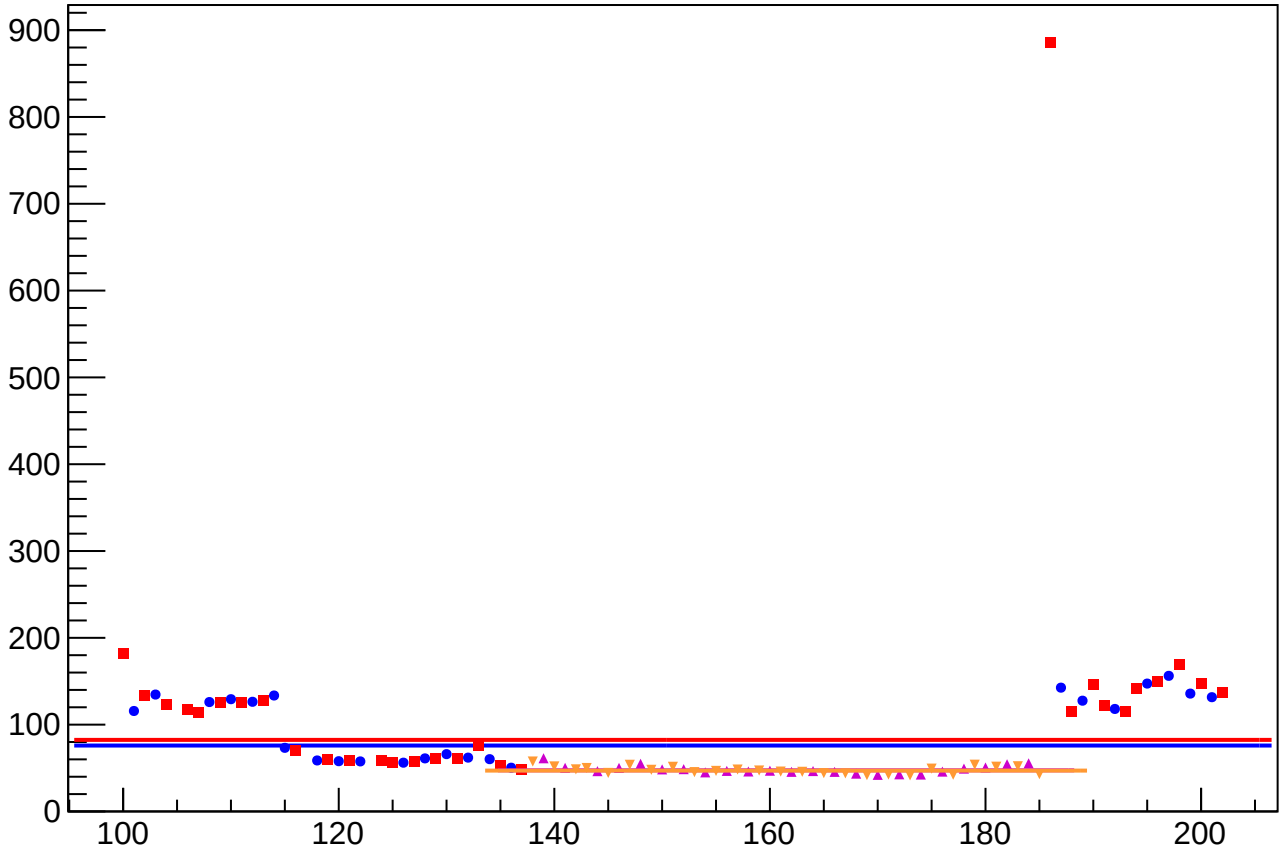
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 14.582+/-9.804 χ^2/NDF: 54.6/47

All: -13.006+/-7.037 χ^2/NDF: 141.8/99

- sign -42.328+/-10.108 χ^2/NDF: 70.8/51

reg_asym_sam_1526_avg_rms vs Slug



Right In: 75.926+/-0.017 χ^2/NDF: 3754671.2/22

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

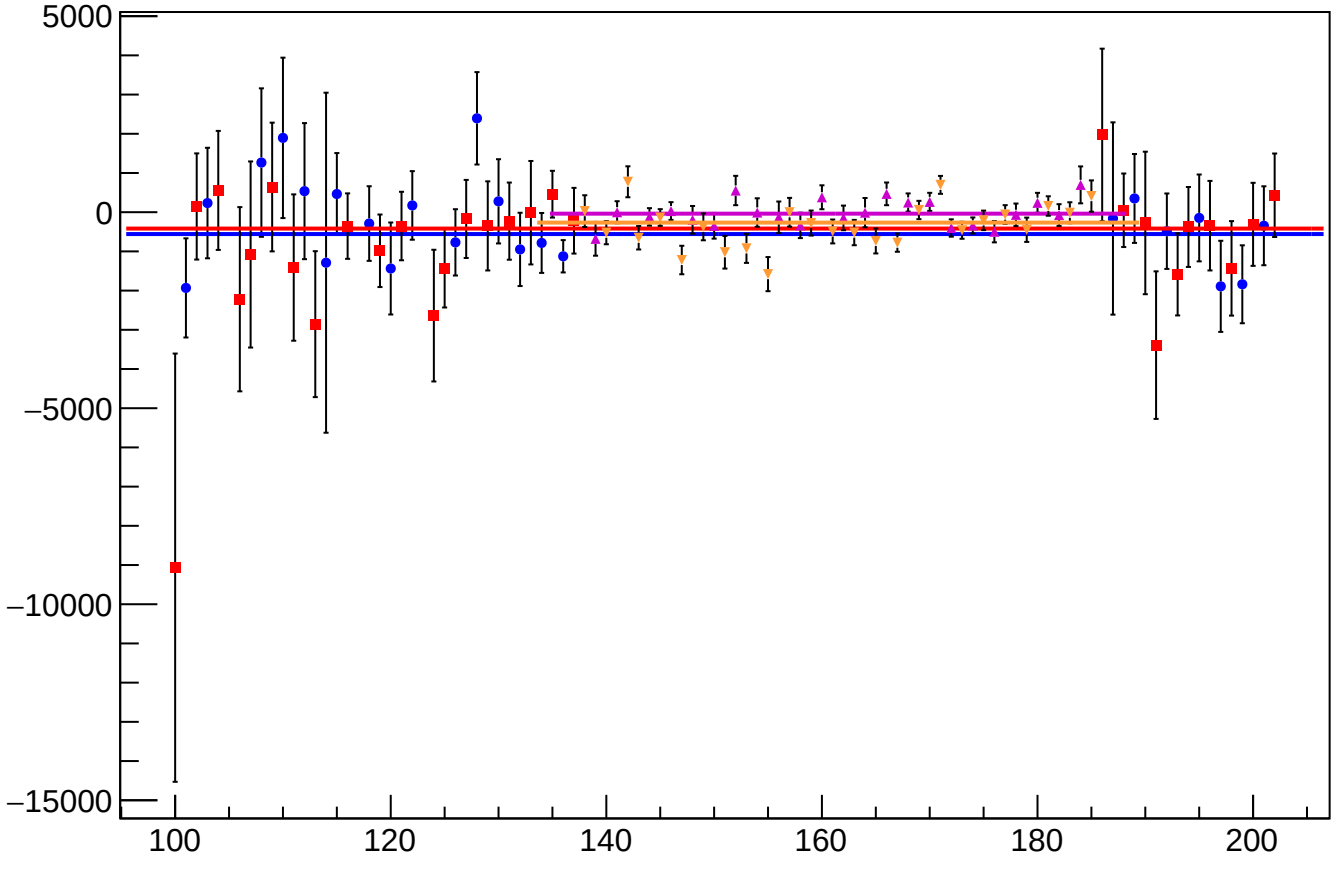
Right Out: 82.443+/-0.017 χ^2/NDF: 4982780.8/28

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.007+/-0.007 χ^2/NDF: 6502366.3/47

All: 52.791+/-0.005 χ^2/NDF: 15303623.7/99

- sign 53.625+/-0.007 χ^2/NDF: 8774858.4/51



Right In: -557.860+/-206.769 χ^2/NDF: 19.5/22

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

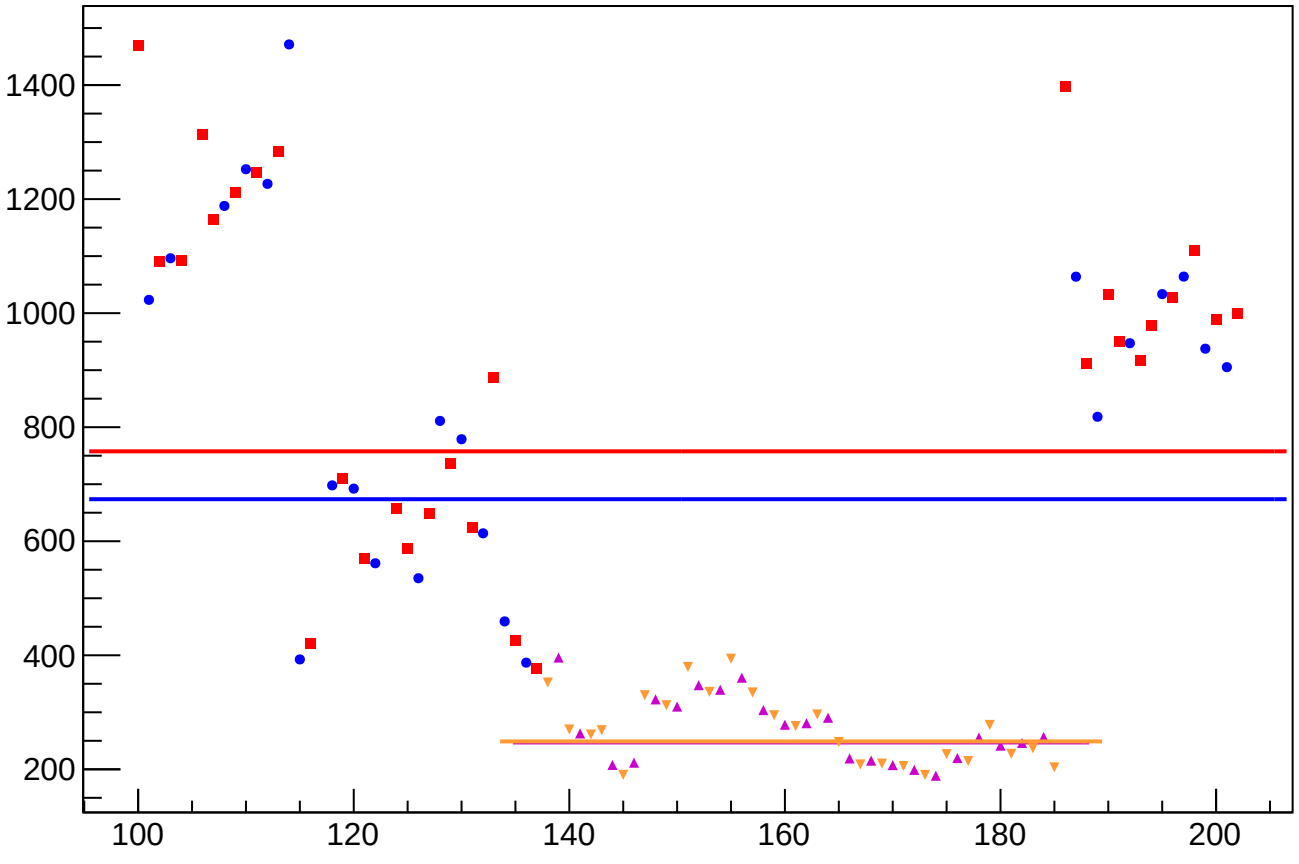
Right Out: -417.908+/-212.039 χ^2/NDF: 18.3/28

Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -287.018+/-55.872 χ^2/NDF: 91.2/47

All: -178.194+/-39.895 χ^2/NDF: 146.8/99

- sign -65.001+/-56.983 χ^2/NDF: 47.9/51



Right In: 673.705+/-0.146 χ^2/NDF: 3251469.7/22

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 757.661+/-0.150 χ^2/NDF: 3384305.4/28

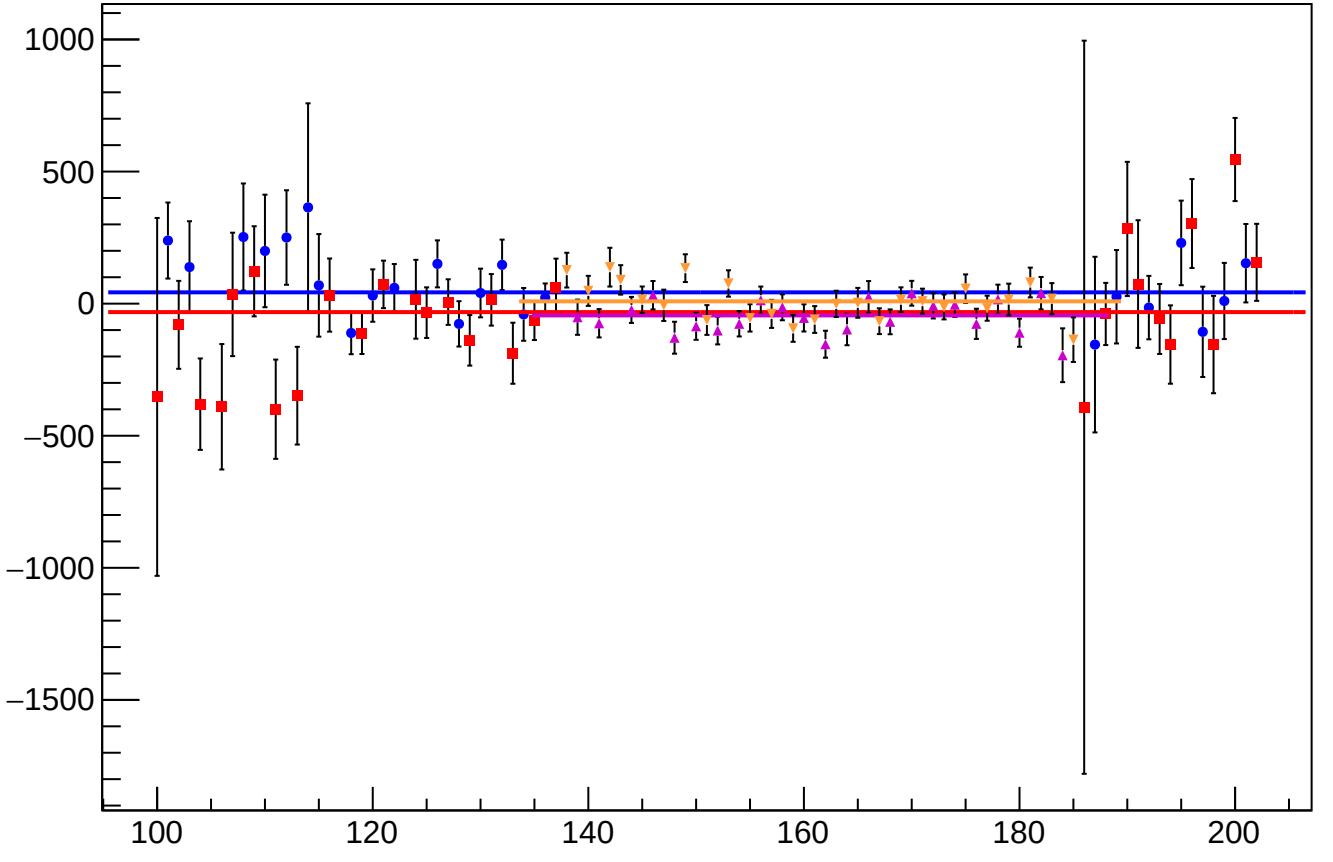
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 279.910+/-0.040 χ^2/NDF: 12740956.9/47

All: 281.905+/-0.028 χ^2/NDF: 28372731.2/99

- sign 283.982+/-0.040 χ^2/NDF: 15626567.1/51

cor_asym_sam_1526_avg_mean vs Slug



Right In: 42.769+/-23.691 χ^2/NDF: 18.3/22

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -31.990+/-23.957 χ^2/NDF: 43.5/28

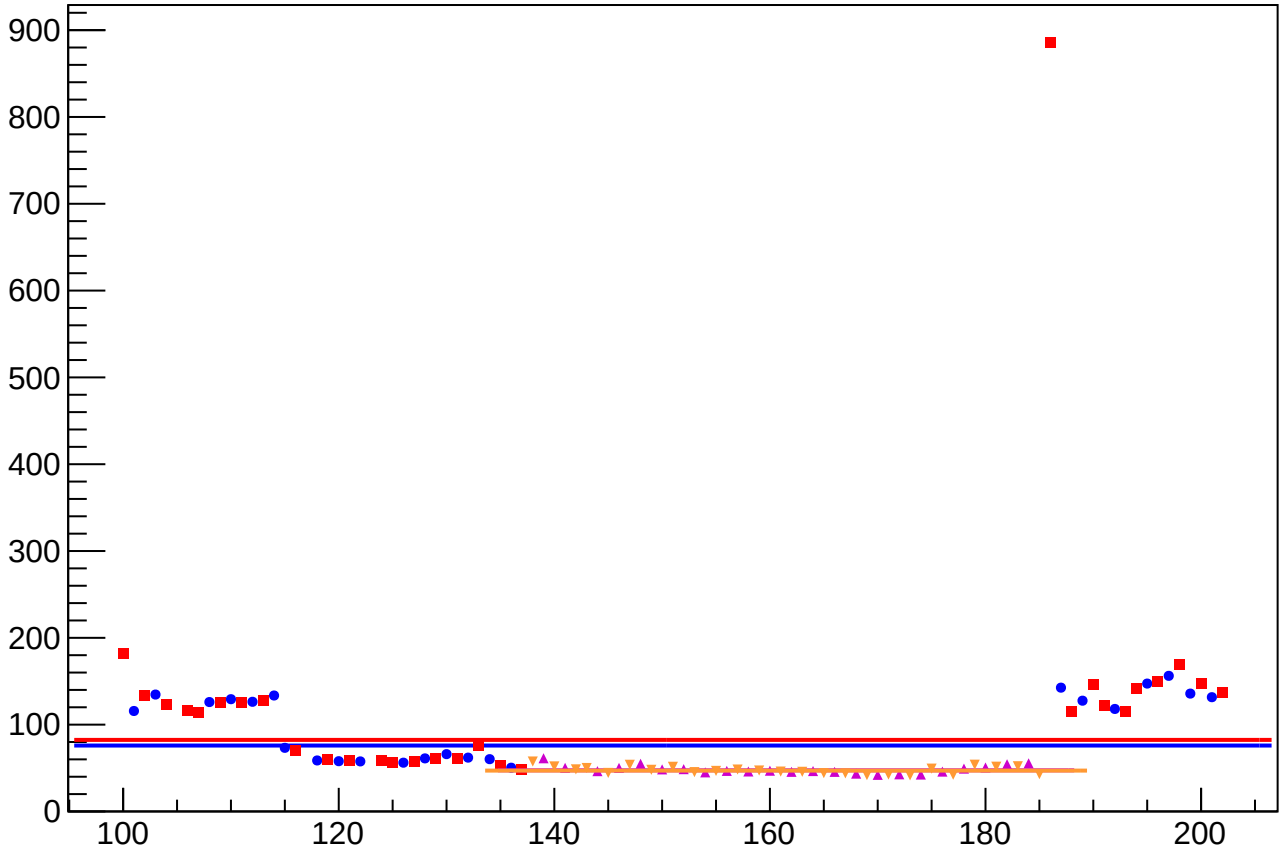
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.582+/-9.804 χ^2/NDF: 54.6/47

All: -12.994+/-7.037 χ^2/NDF: 141.6/99

- sign -42.306+/-10.108 χ^2/NDF: 70.7/51

cor_asym_sam_1526_avg_rms vs Slug



Right In: 75.926+/-0.017 χ^2/NDF: 3754673.5/22

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

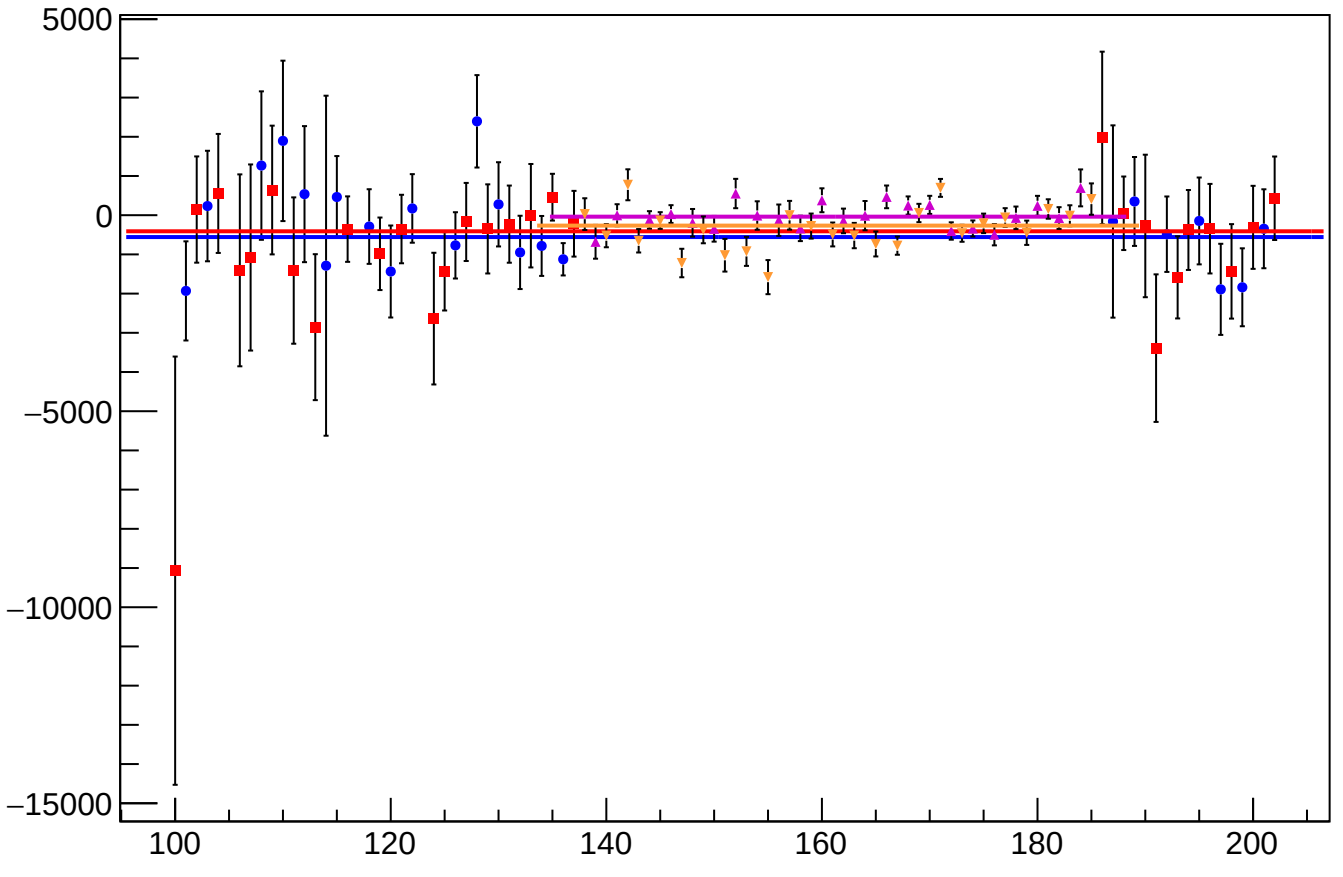
Right Out: 82.432+/-0.017 χ^2/NDF: 4980507.7/28

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.007+/-0.007 χ^2/NDF: 6502368.3/47

All: 52.790+/-0.005 χ^2/NDF: 15298978.8/99

- sign 53.623+/-0.007 χ^2/NDF: 8770282.1/51



Right In: -557.848+/-206.769 χ^2/NDF: 19.5/22

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -410.718+/-212.111 χ^2/NDF: 17.9/28

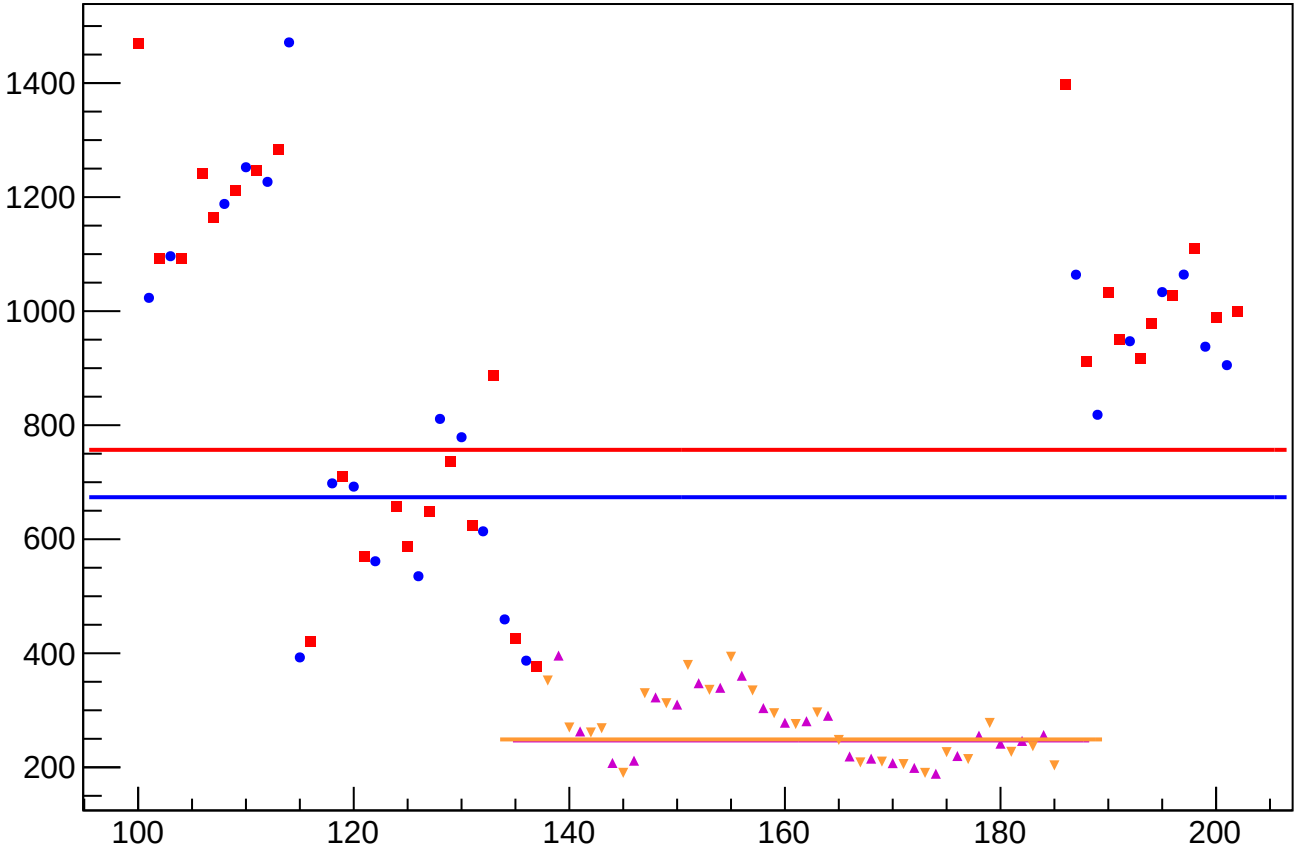
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -287.013+/-55.872 χ^2/NDF: 91.2/47

All: -177.930+/-39.895 χ^2/NDF: 146.3/99

- sign -64.462+/-56.985 χ^2/NDF: 47.3/51

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 673.705+/-0.146 χ^2/NDF: 3251509.9/22

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 756.773+/-0.150 χ^2/NDF: 3350923.5/28

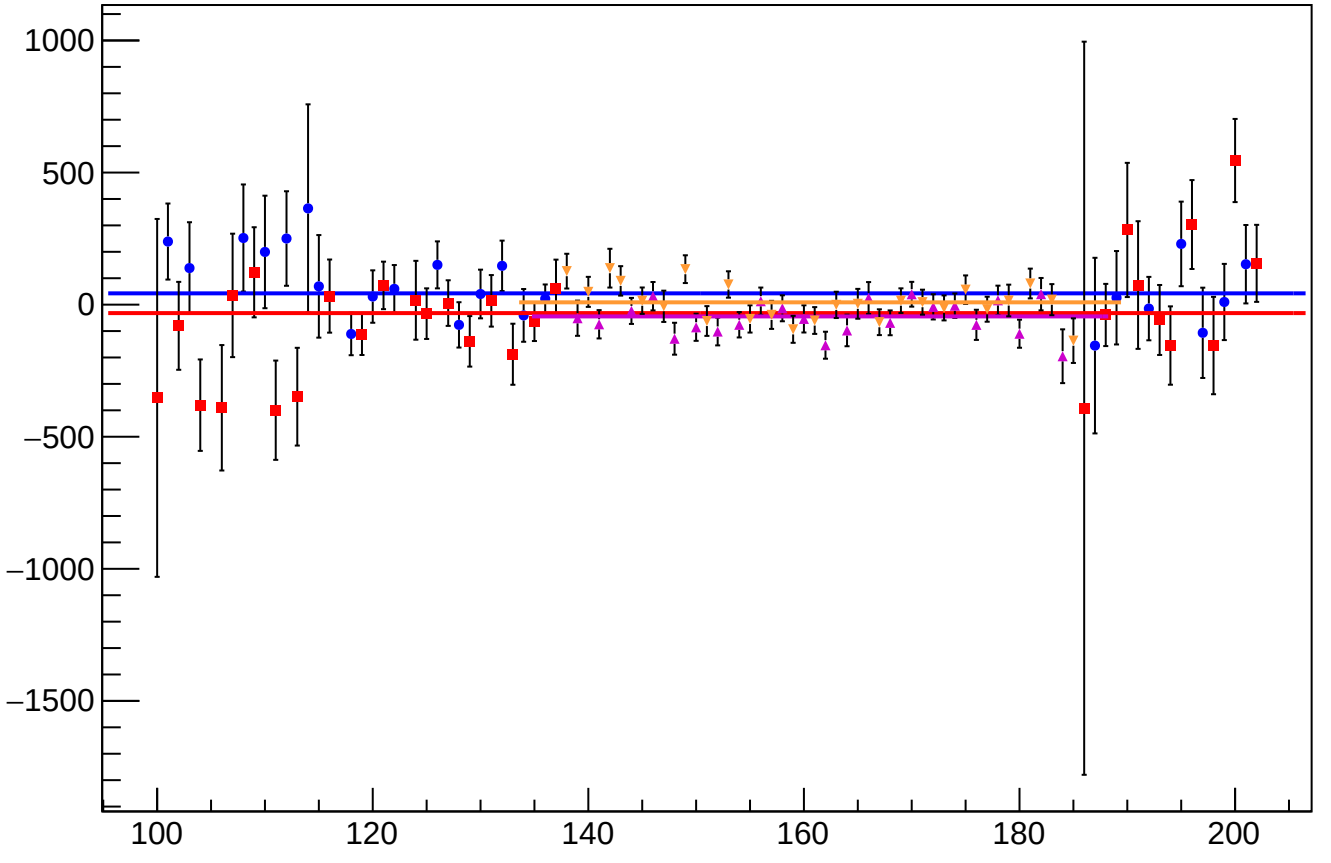
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 279.909+/-0.040 χ^2/NDF: 12740994.2/47

All: 281.863+/-0.028 χ^2/NDF: 28295024.5/99

- sign 283.894+/-0.040 χ^2/NDF: 15549043.0/51

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 42.769+/-23.691 χ^2/NDF: 18.3/22

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -31.990+/-23.957 χ^2/NDF: 43.5/28

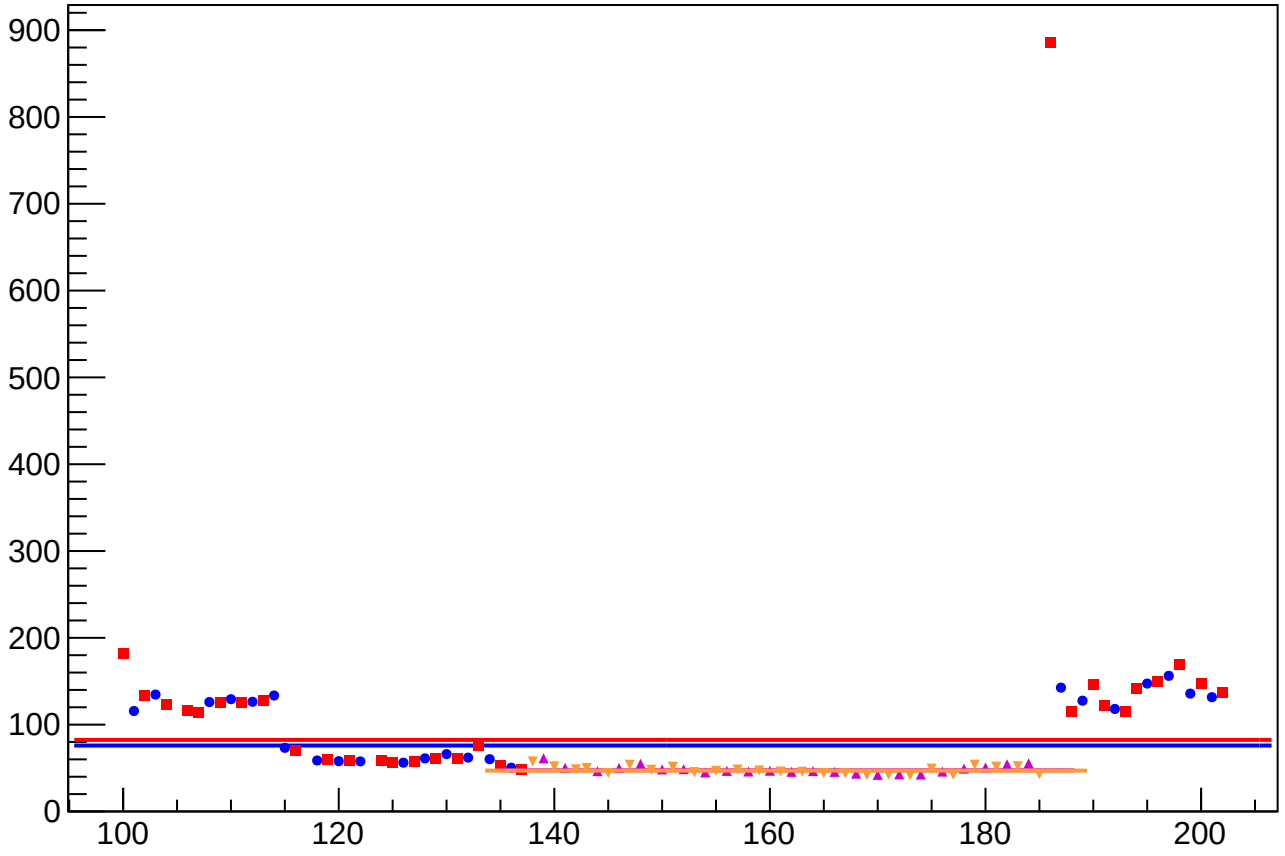
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.582+/-9.804 χ^2/NDF: 54.6/47

All: -12.994+/-7.037 χ^2/NDF: 141.6/99

- sign -42.306+/-10.108 χ^2/NDF: 70.7/51

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 75.926+/-0.017 χ^2/NDF: 3754673.5/22

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

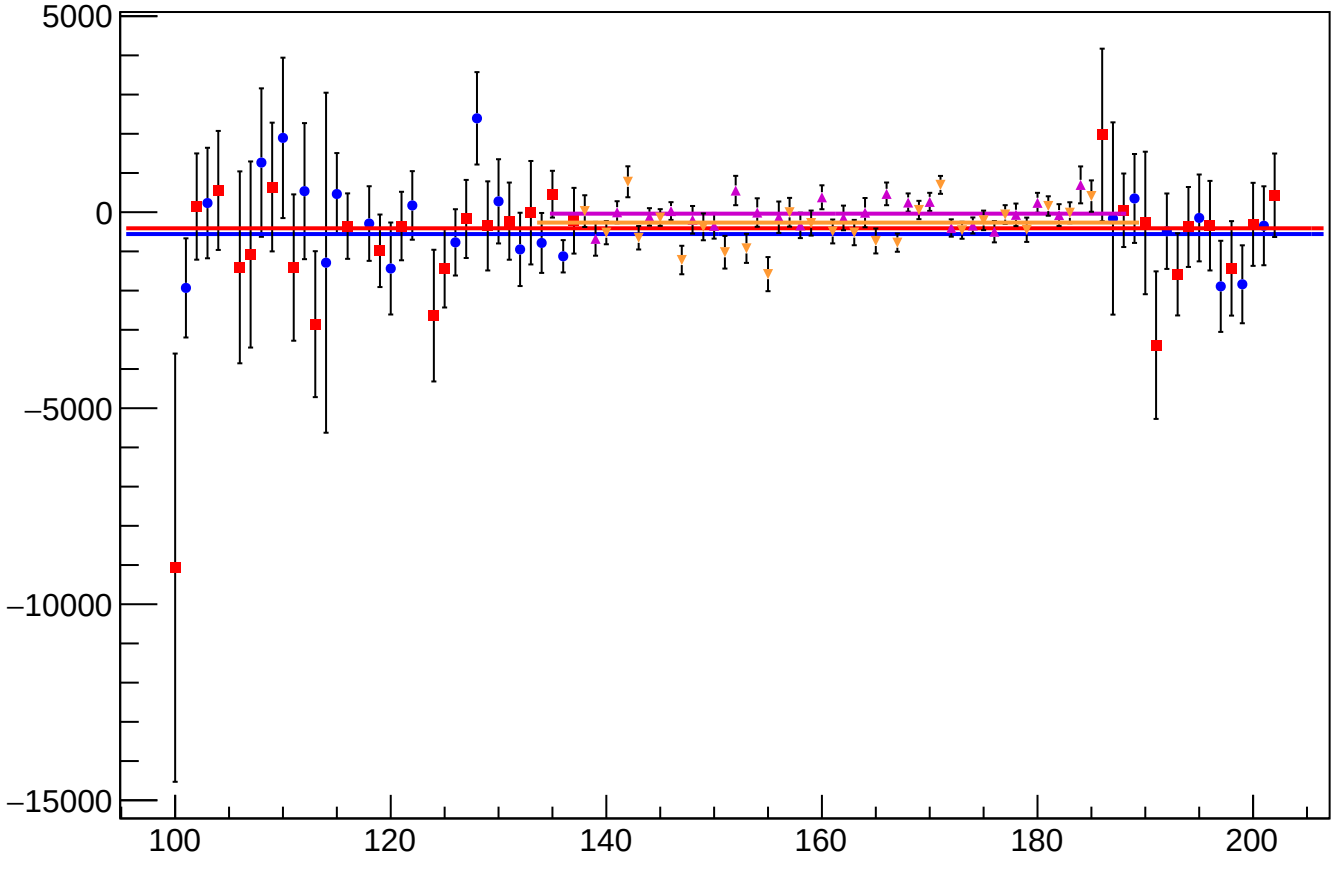
Right Out: 82.432+/-0.017 χ^2/NDF: 4980507.7/28

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

\+ sign 52.007+/-0.007 χ^2/NDF: 6502368.3/47

All: 52.790+/-0.005 χ^2/NDF: 15298978.8/99

\- sign 53.623+/-0.007 χ^2/NDF: 8770282.1/51



Right In: -557.848+/-206.769 χ^2/NDF: 19.5/22

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

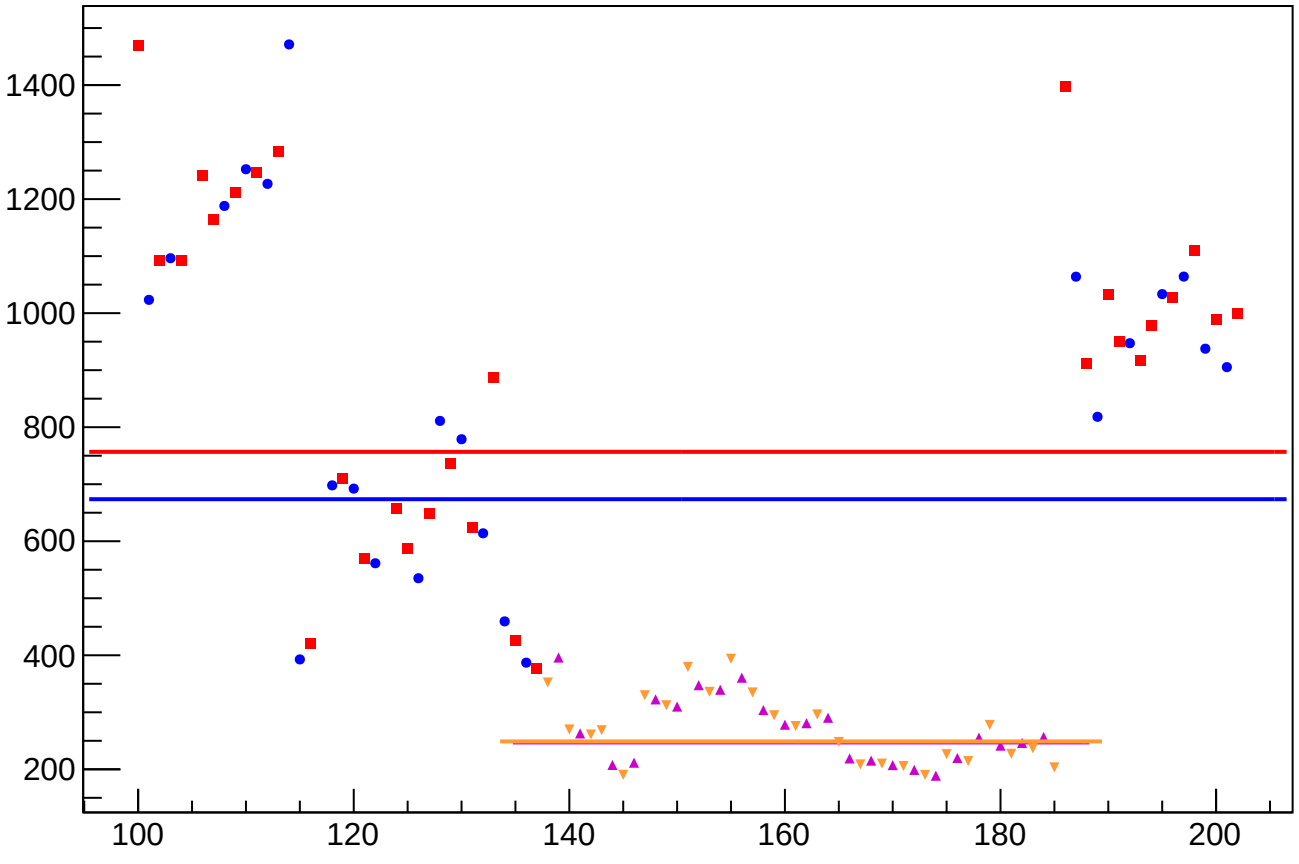
Right Out: -410.718+/-212.111 χ^2/NDF: 17.9/28

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -287.013+/-55.872 χ^2/NDF: 91.2/47

All: -177.930+/-39.895 χ^2/NDF: 146.3/99

- sign -64.462+/-56.985 χ^2/NDF: 47.3/51



Right In: 673.705+/-0.146 χ^2/NDF: 3251509.9/22

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 756.773+/-0.150 χ^2/NDF: 3350923.5/28

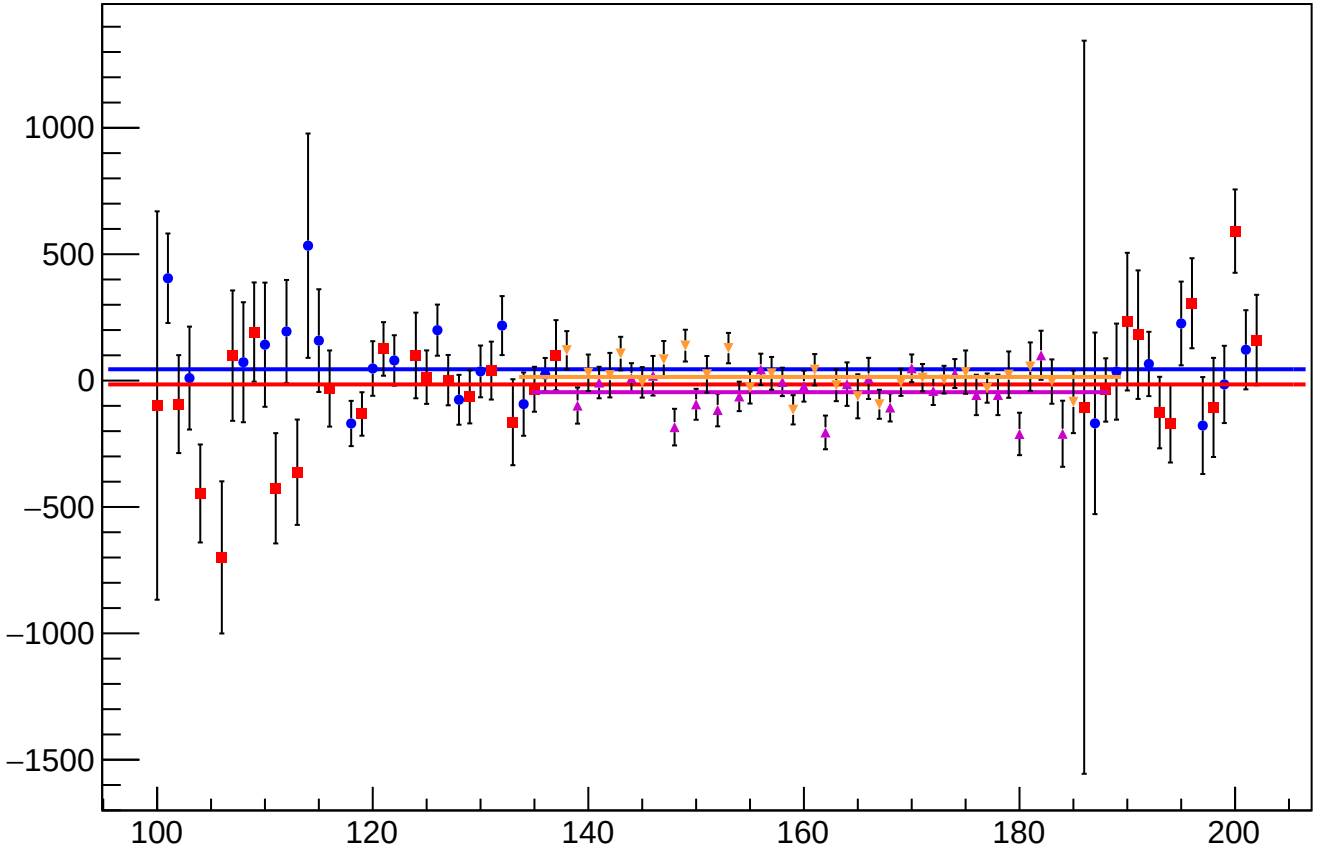
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 279.909+/-0.040 χ^2/NDF: 12740994.2/47

All: 281.863+/-0.028 χ^2/NDF: 28295024.5/99

- sign 283.894+/-0.040 χ^2/NDF: 15549043.0/51

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.830+/-27.093 χ^2/NDF: 22.9/22

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -15.201+/-27.368 χ^2/NDF: 45.1/28

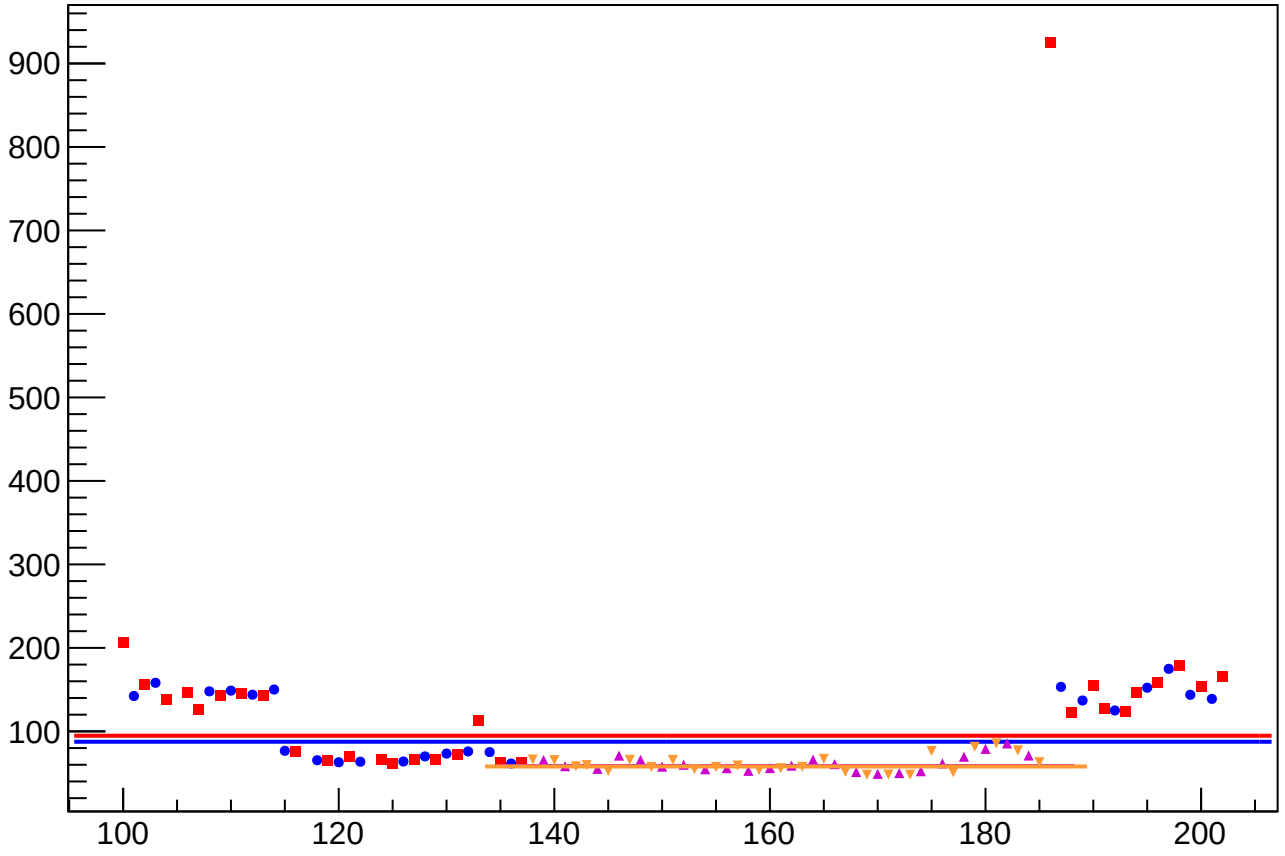
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 20.498+/-12.050 χ^2/NDF: 48.5/47

All: -8.610+/-8.647 χ^2/NDF: 137.4/99

- sign -39.508+/-12.415 χ^2/NDF: 76.9/51

dit_asym_sam_1526_avg_rms vs Slug



Right In: 87.554+/-0.019 χ^2/NDF: 3369642.8/22

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

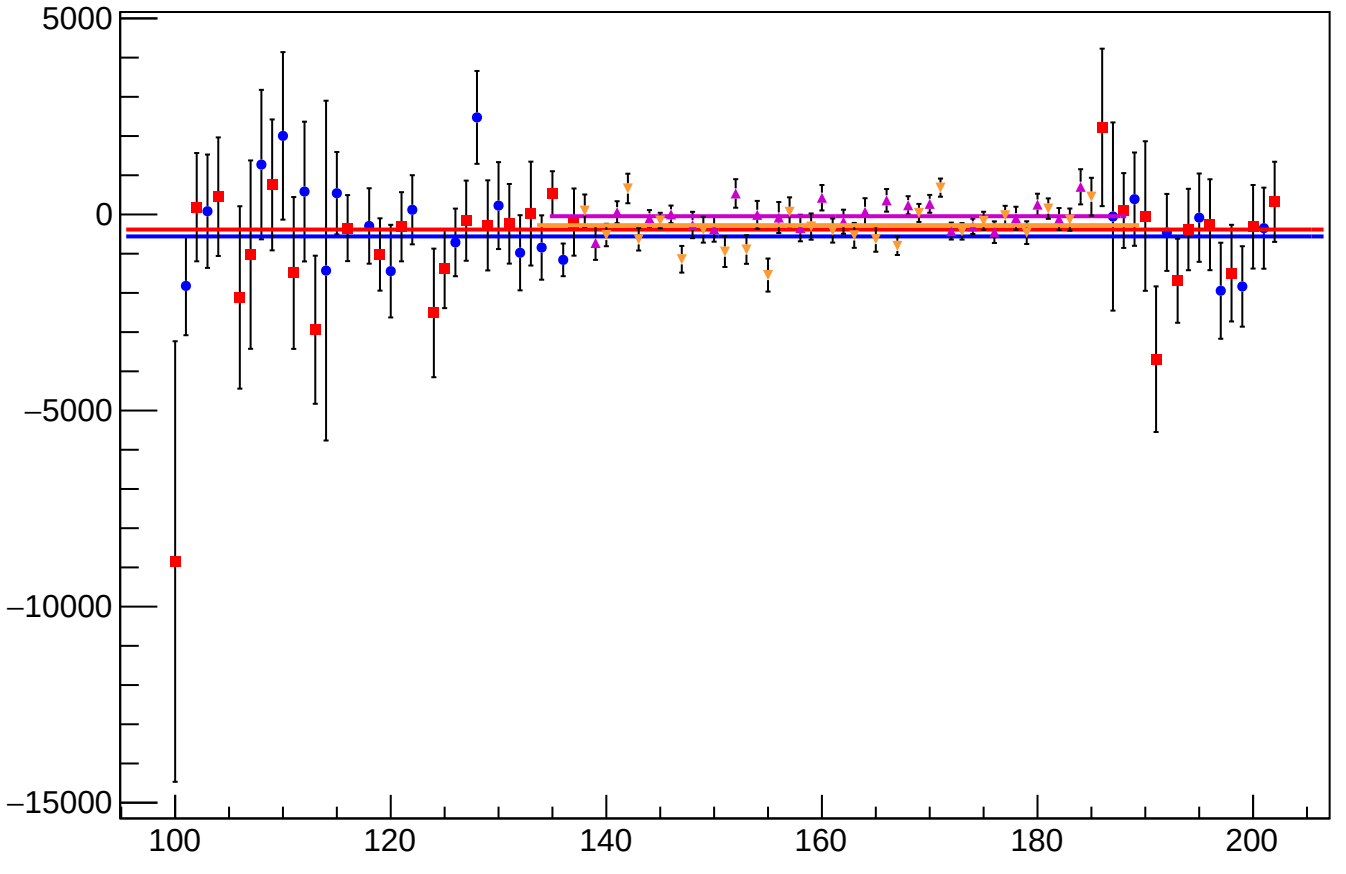
Right Out: 94.762+/-0.019 χ^2/NDF: 4548711.4/28

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 63.819+/-0.009 χ^2/NDF: 6180158.0/47

All: 64.851+/-0.006 χ^2/NDF: 14200837.6/99

- sign 65.946+/-0.009 χ^2/NDF: 7990445.0/51



Right In: -559.773+/-211.133 χ^2/NDF: 19.6/22

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -384.308+/-212.536 χ^2/NDF: 19.9/28

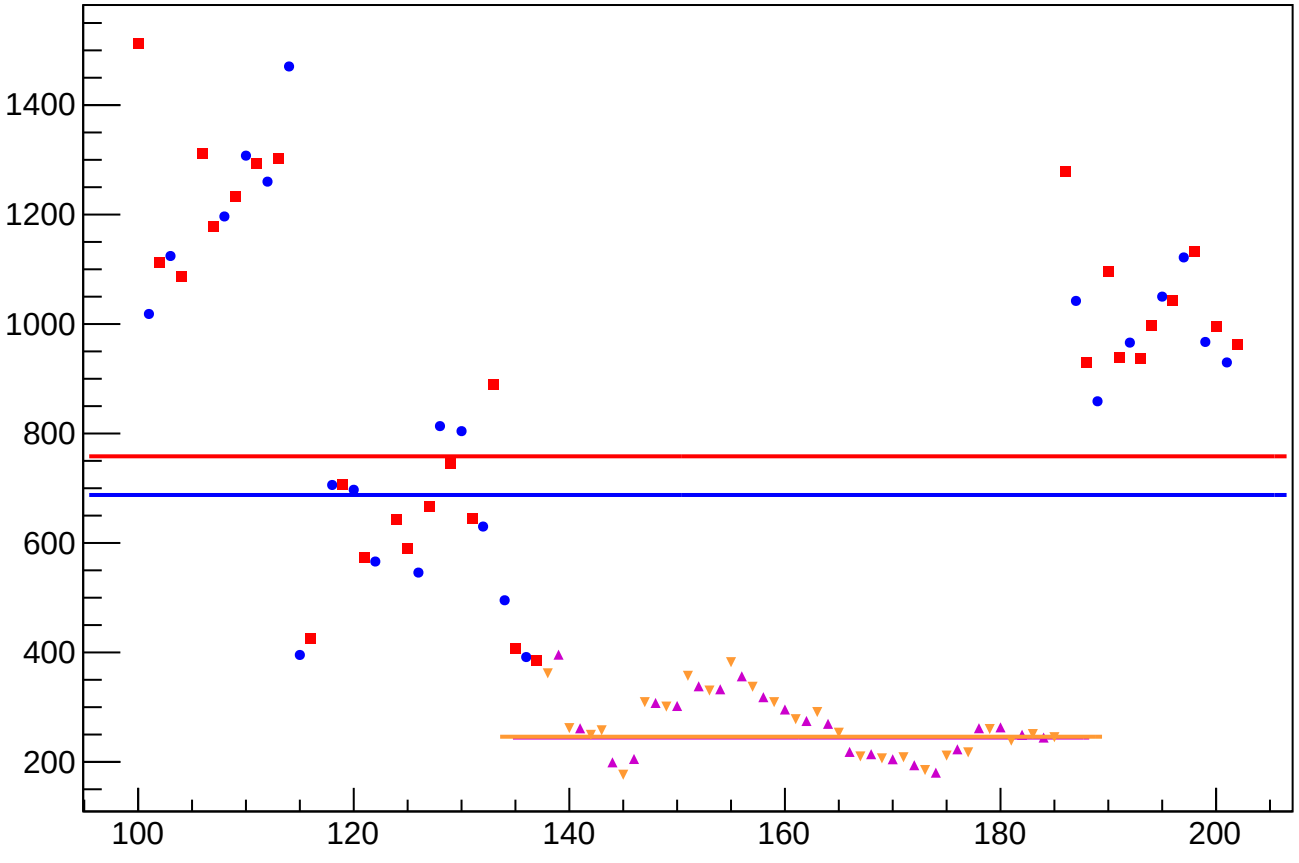
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -292.203+/-55.276 χ^2/NDF: 87.1/47

All: -182.843+/-39.513 χ^2/NDF: 143.8/99

- sign -68.567+/-56.505 χ^2/NDF: 48.8/51

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 687.682+/-0.149 χ^2/NDF: 3286565.2/22

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 758.319+/-0.150 χ^2/NDF: 3513152.1/28

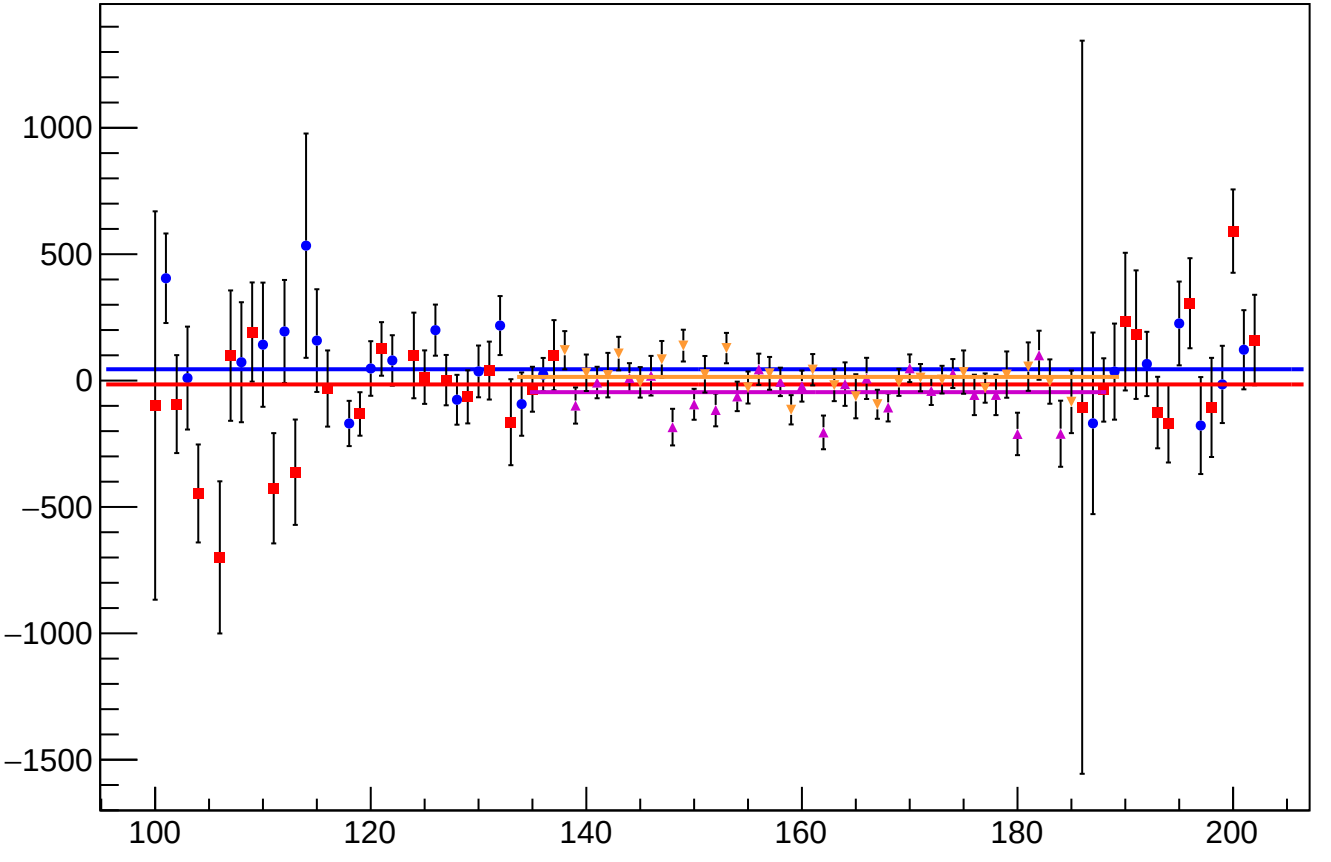
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 276.290+/-0.039 χ^2/NDF: 13119203.7/47

All: 278.481+/-0.028 χ^2/NDF: 29100877.4/99

- sign 280.771+/-0.040 χ^2/NDF: 15975246.5/51

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.831+/-27.093 χ^2/NDF: 22.9/22

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -15.201+/-27.368 χ^2/NDF: 45.1/28

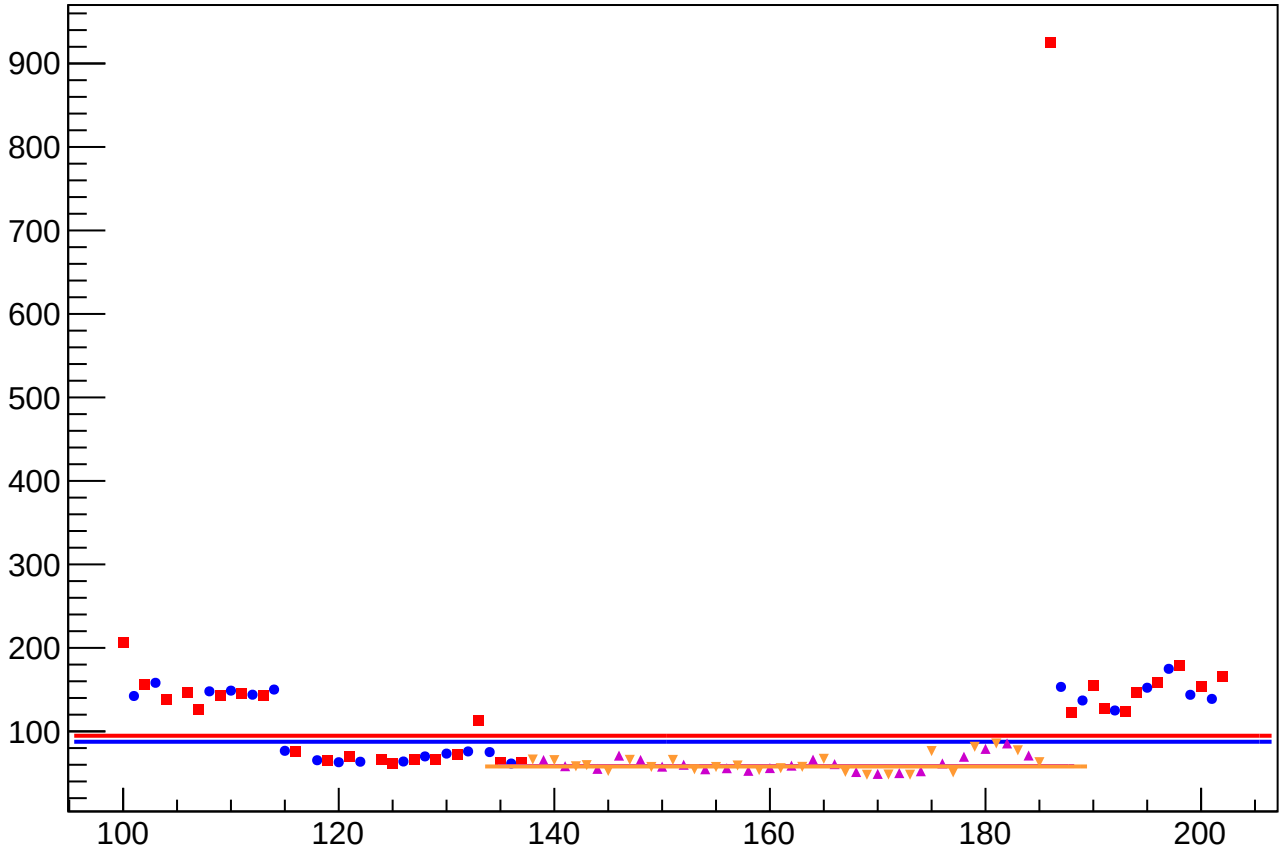
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 20.498+/-12.050 χ^2/NDF: 48.5/47

All: -8.609+/-8.647 χ^2/NDF: 137.4/99

- sign -39.507+/-12.415 χ^2/NDF: 76.9/51

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 87.554+/-0.019 χ^2/NDF: 3369644.0/22

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

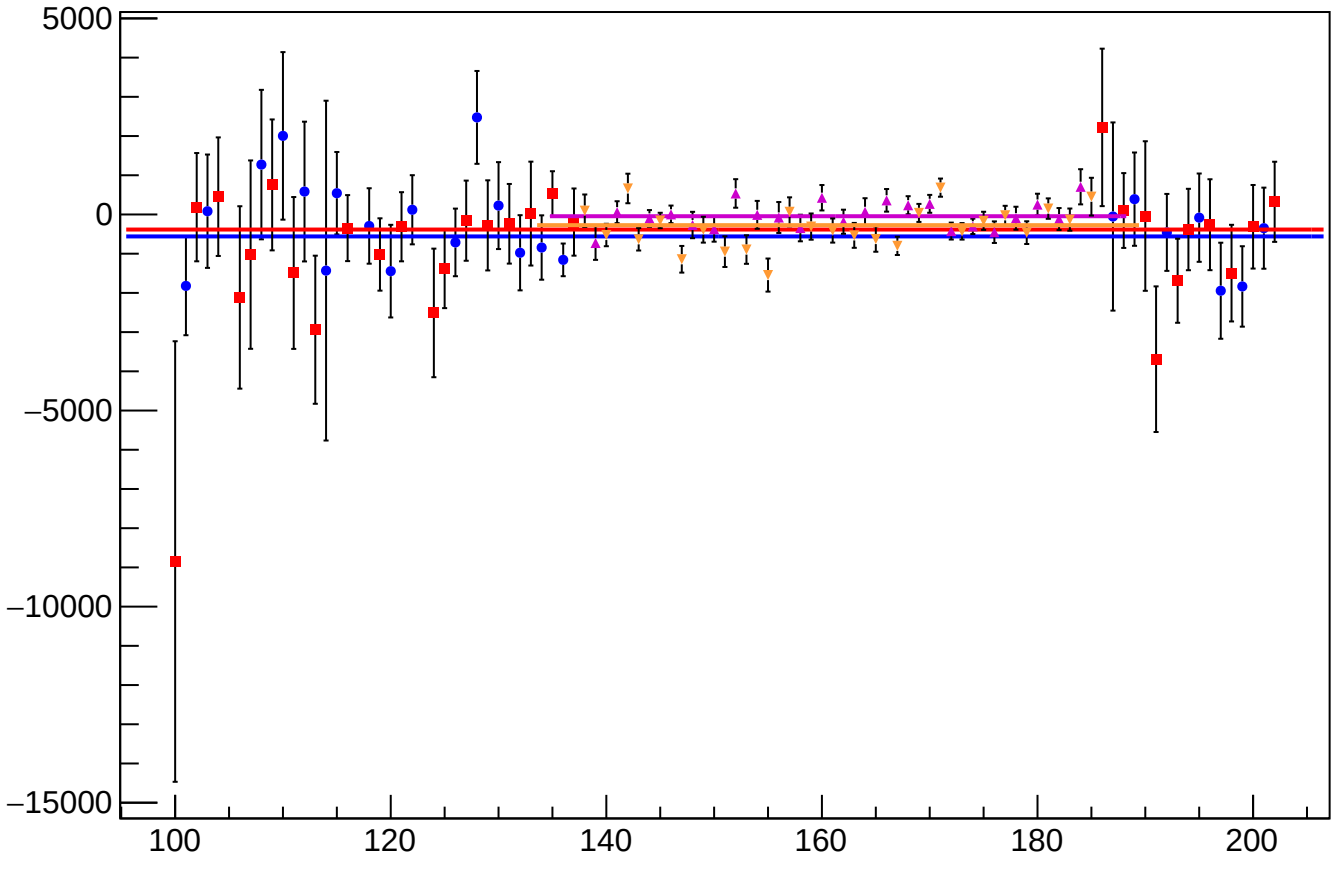
Right Out: 94.761+/-0.019 χ^2/NDF: 4548726.7/28

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 63.819+/-0.009 χ^2/NDF: 6180118.4/47

All: 64.851+/-0.006 χ^2/NDF: 14200742.9/99

- sign 65.946+/-0.009 χ^2/NDF: 7990387.8/51



Right In: -559.772+/-211.133 χ^2/NDF: 19.6/22

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

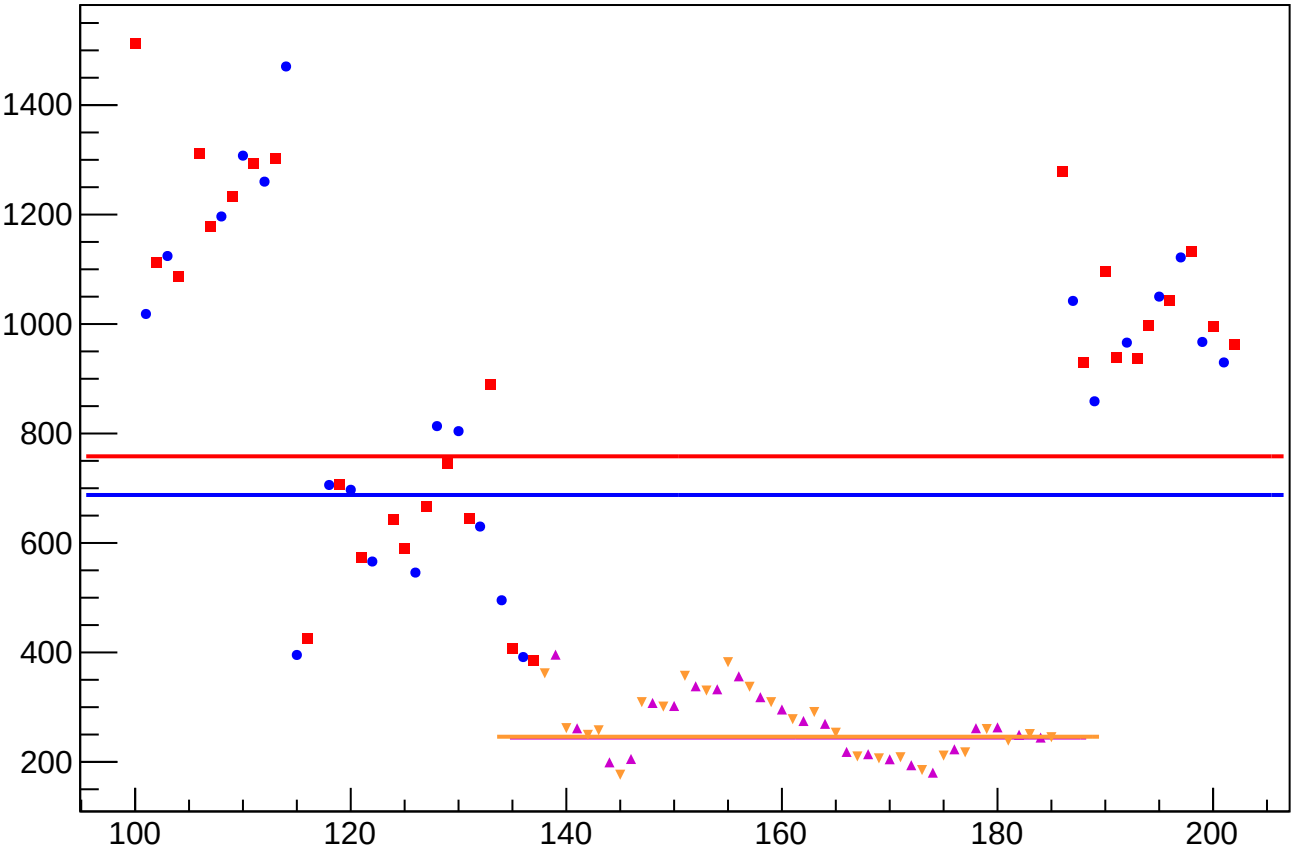
Right Out: -384.308+/-212.536 χ^2/NDF: 19.9/28

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -292.202+/-55.276 χ^2/NDF: 87.1/47

All: -182.842+/-39.513 χ^2/NDF: 143.8/99

- sign -68.567+/-56.505 χ^2/NDF: 48.8/51



Right In: 687.681+/-0.149 χ^2/NDF: 3286549.4/22

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 758.318+/-0.150 χ^2/NDF: 3513136.2/28

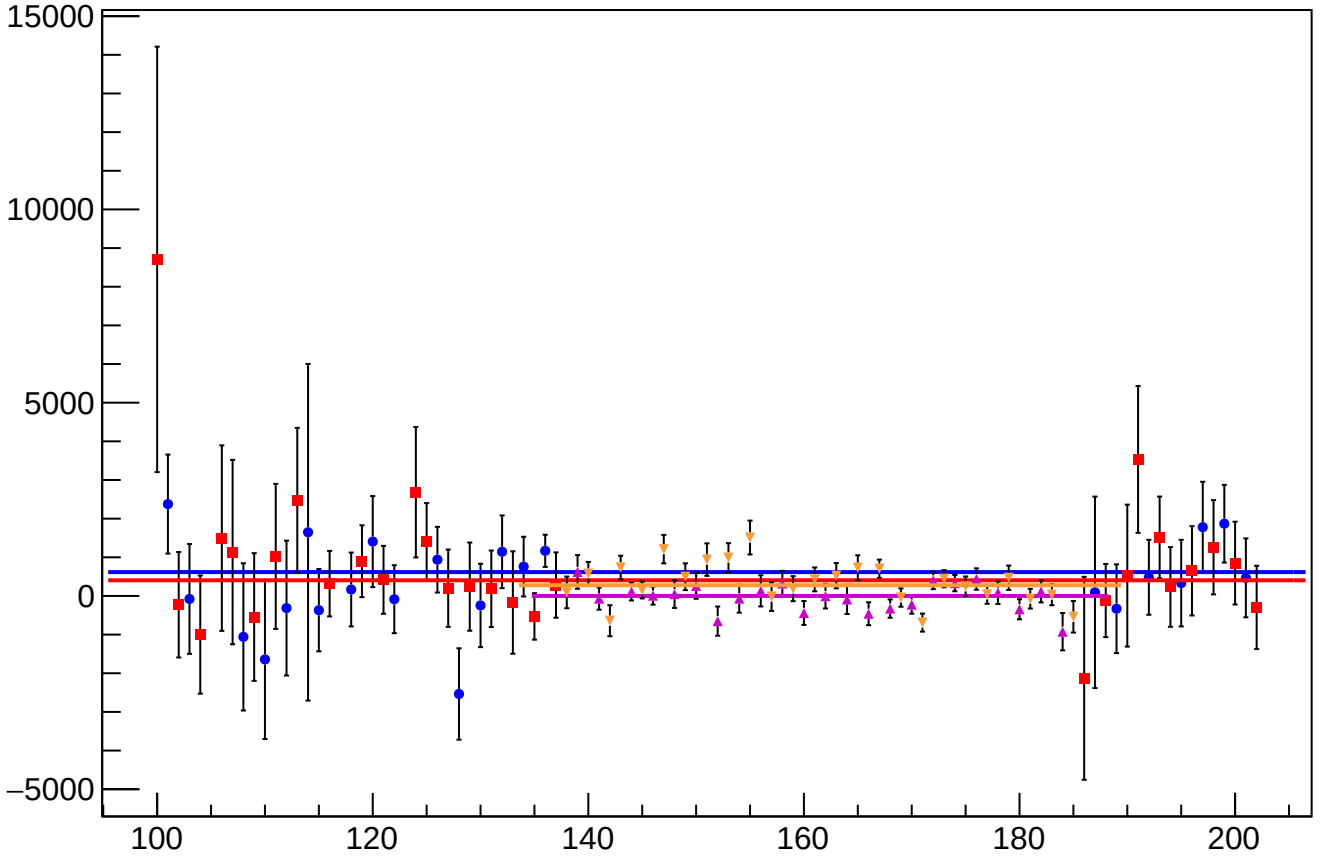
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 276.289+/-0.039 χ^2/NDF: 13119202.9/47

All: 278.481+/-0.028 χ^2/NDF: 29100860.0/99

- sign 280.771+/-0.040 χ^2/NDF: 15975229.3/51

asym_sam_1526_avg_mean vs Slug



Right In: 617.103+/-208.634 χ^2/NDF: 20.0/22

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 405.095+/-214.041 χ^2/NDF: 17.4/28

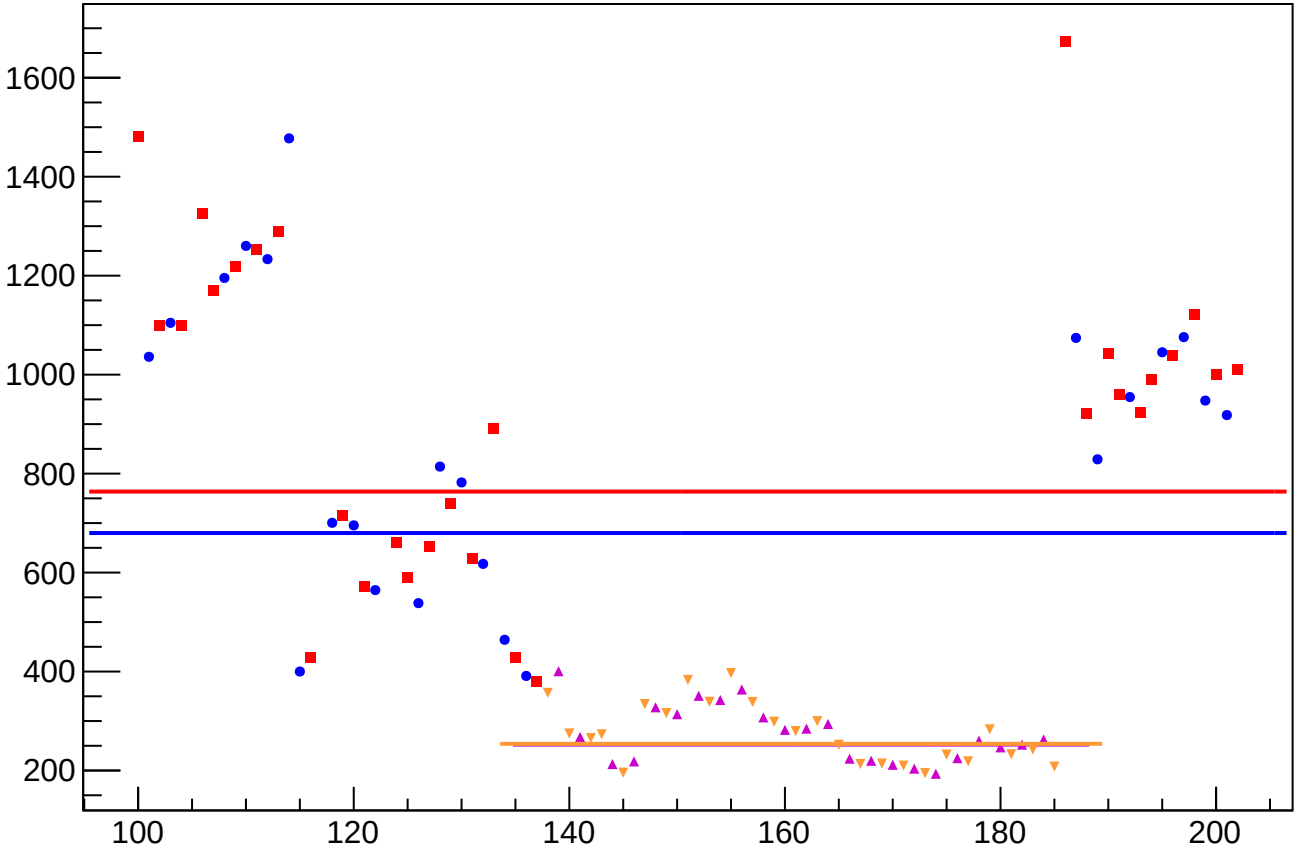
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 302.373+/-56.906 χ^2/NDF: 86.5/47

All: 169.166+/-40.651 χ^2/NDF: 146.5/99

- sign 30.353+/-58.091 χ^2/NDF: 48.8/51

asym_sam_1526_avg_rms vs Slug



Right In: 679.935+/-0.148 χ^2/NDF: 3242220.9/22

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

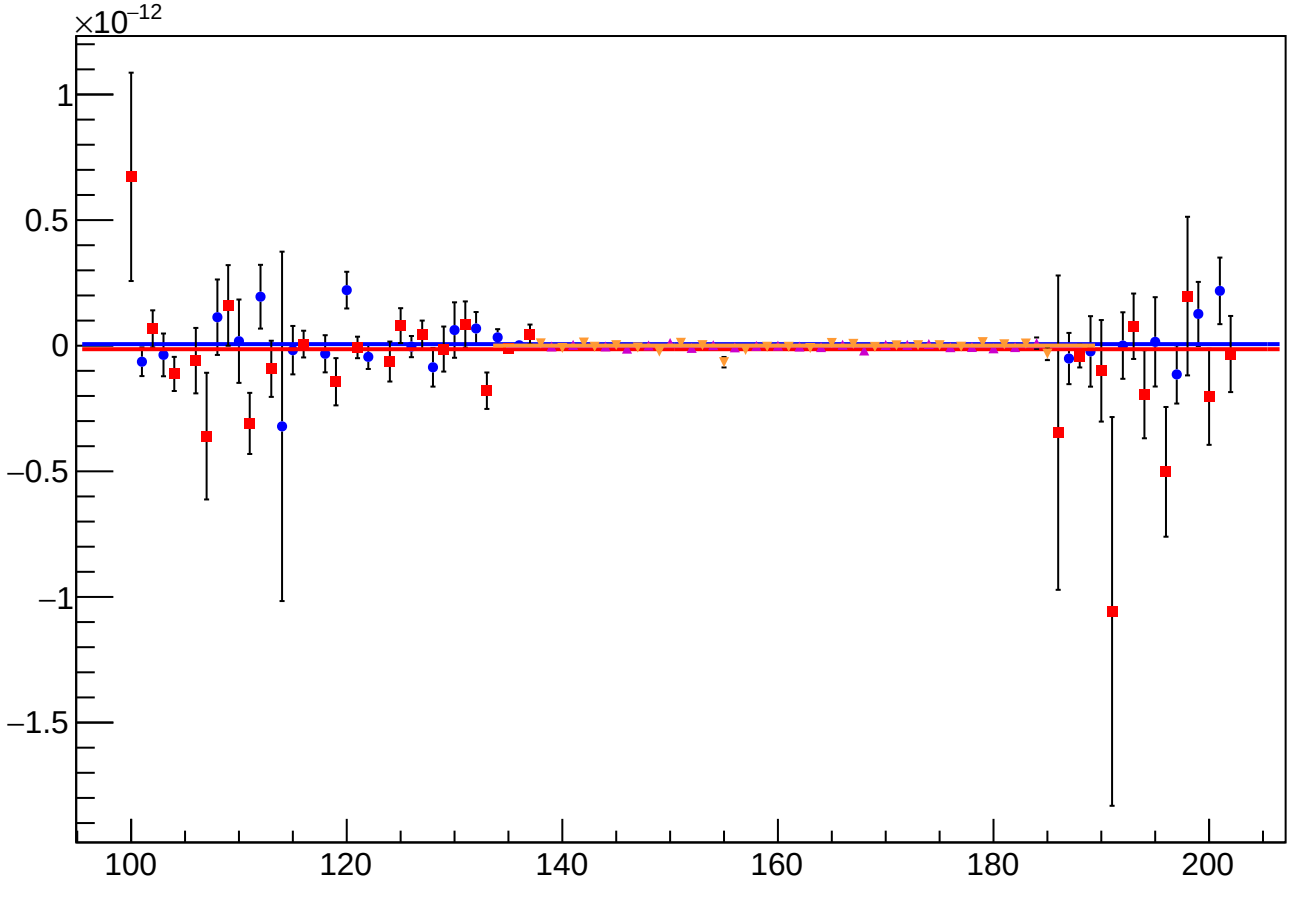
Right Out: 763.681+/-0.151 χ^2/NDF: 3454786.7/28

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 285.644+/-0.040 χ^2/NDF: 12550293.5/47

All: 287.802+/-0.029 χ^2/NDF: 27994733.9/99

- sign 290.051+/-0.041 χ^2/NDF: 15438568.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

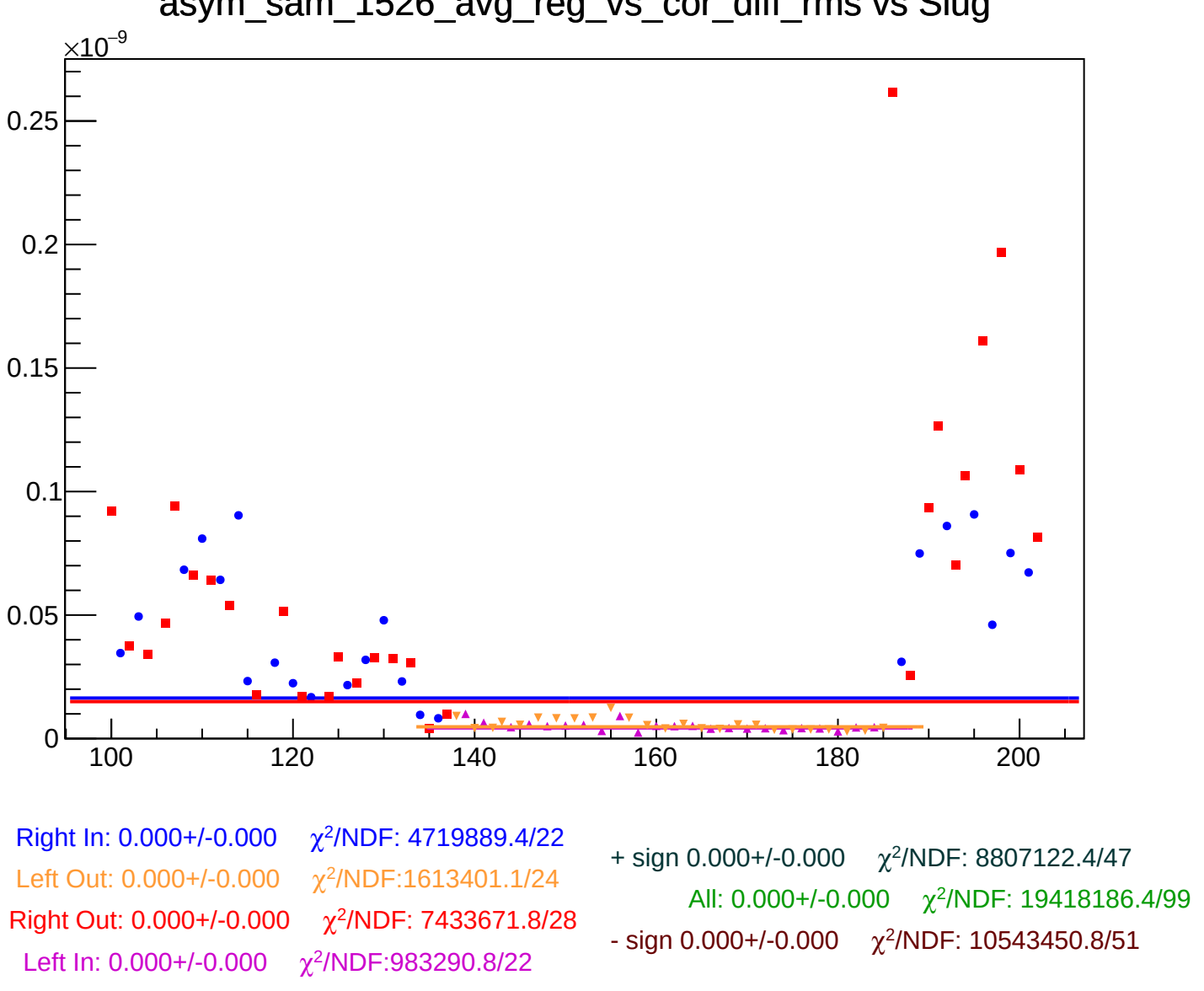
Right Out: -0.000+/-0.000 χ^2/NDF: 38.8/28

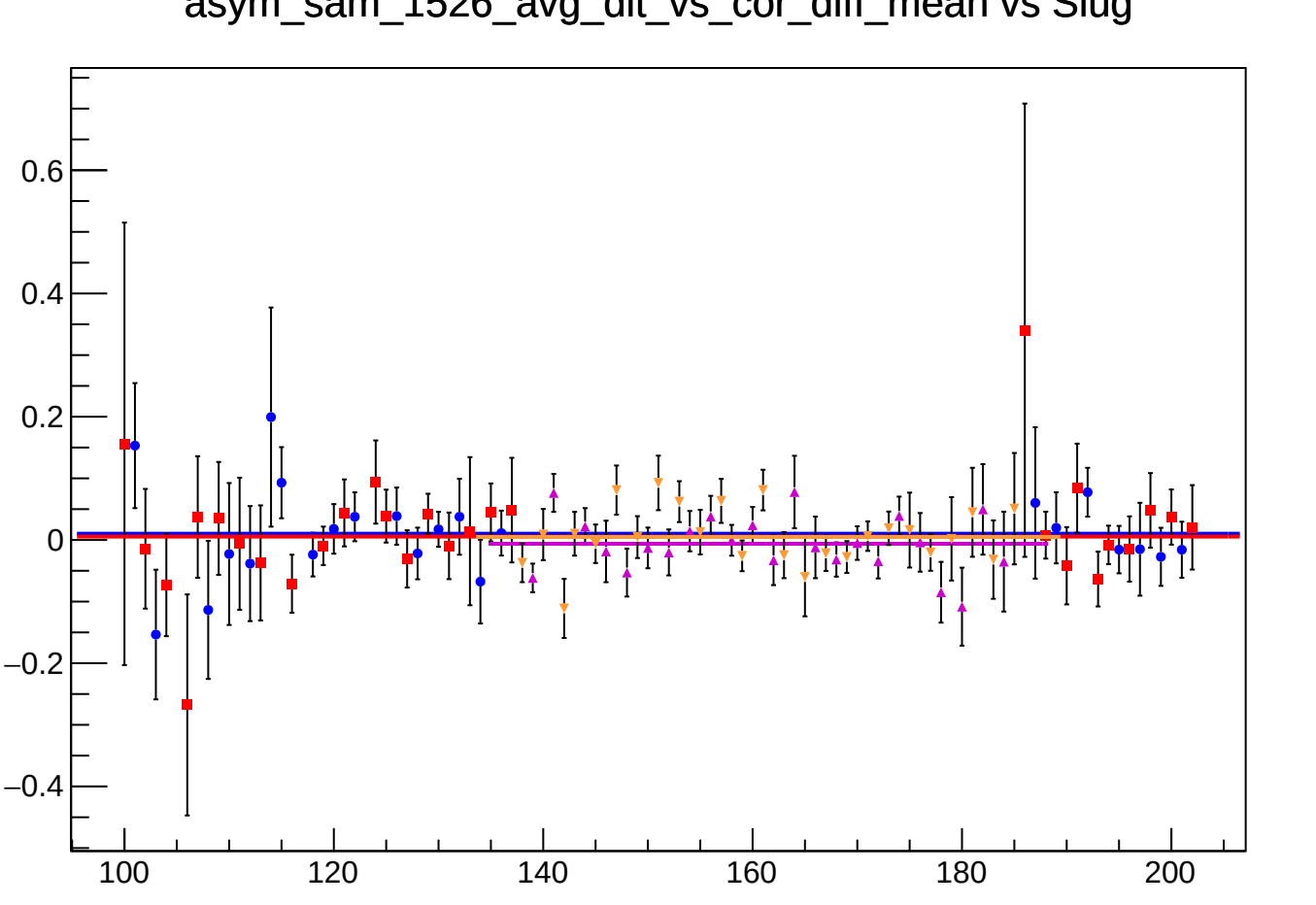
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.4/47

All: -0.000+/-0.000 χ^2/NDF: 105.6/99

- sign -0.000+/-0.000 χ^2/NDF: 54.1/51


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4719889.4/22
Left Out: 0.000+/-0.000 χ²/NDF:1613401.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 7433671.8/28
Left In: 0.000+/-0.000 χ²/NDF:983290.8/22
+ sign 0.000+/-0.000 χ²/NDF: 8807122.4/47
All: 0.000+/-0.000 χ²/NDF: 19418186.4/99
- sign 0.000+/-0.000 χ²/NDF: 10543450.8/51



Right In: 0.010+/-0.010 χ^2/NDF: 17.7/22

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.005+/-0.010 χ^2/NDF: 18.8/28

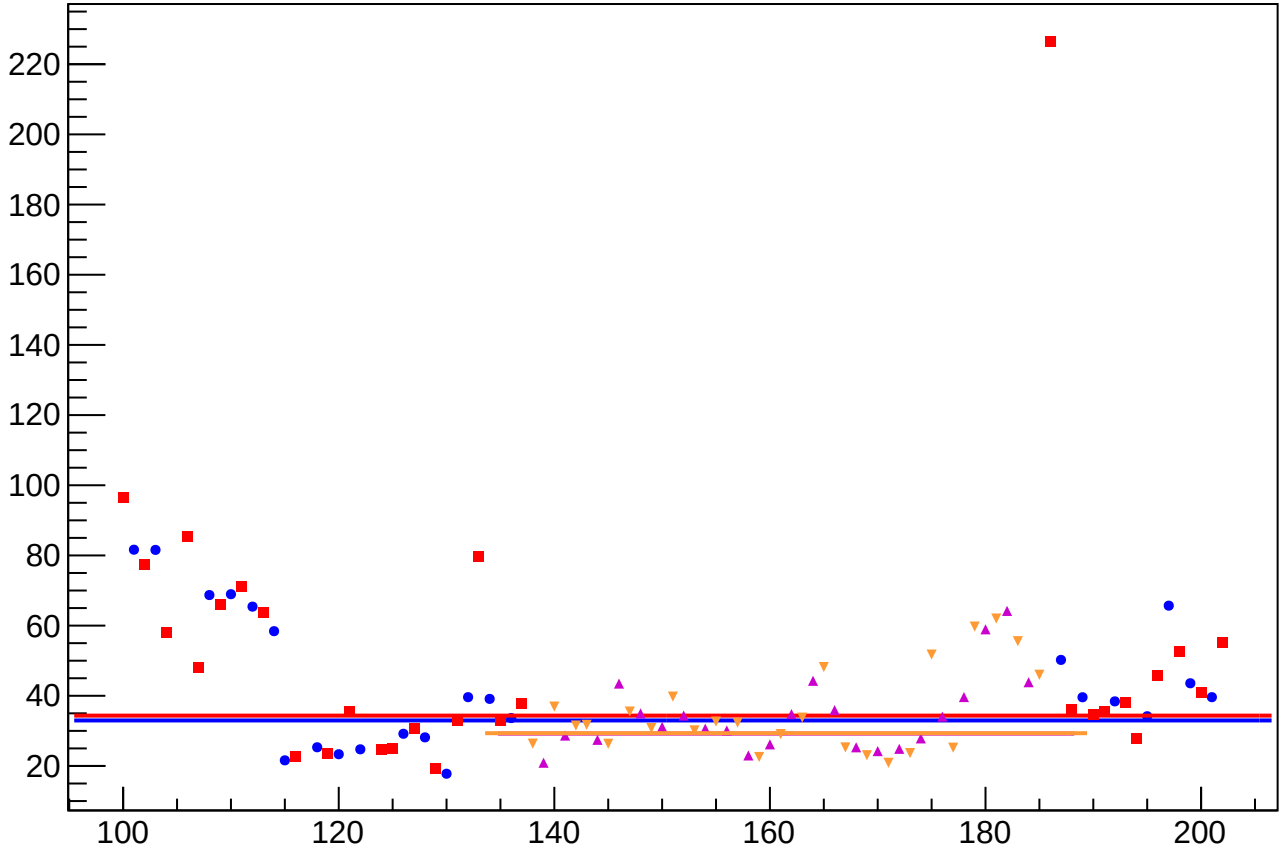
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.9/47

All: 0.002+/-0.004 χ^2/NDF: 103.7/99

- sign -0.002+/-0.006 χ^2/NDF: 50.7/51

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 32.970+/-0.007 χ^2/NDF: 3215789.2/22

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

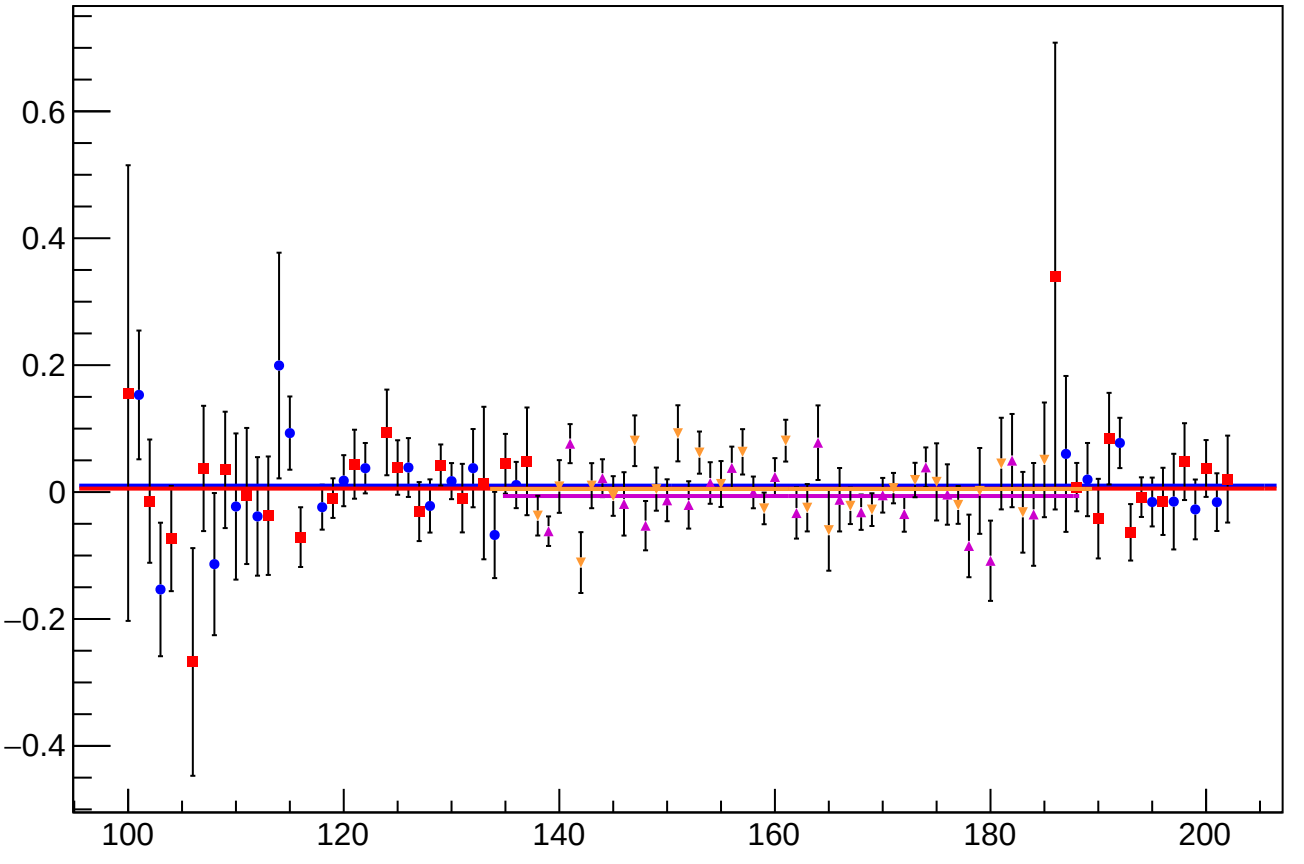
Right Out: 34.348+/-0.007 χ^2/NDF: 3886087.0/28

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.484+/-0.004 χ^2/NDF: 6067909.7/47

All: 30.722+/-0.003 χ^2/NDF: 12395360.9/99

- sign 30.962+/-0.004 χ^2/NDF: 6320878.8/51



Right In: 0.010+/-0.010 χ^2/NDF: 17.7/22

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

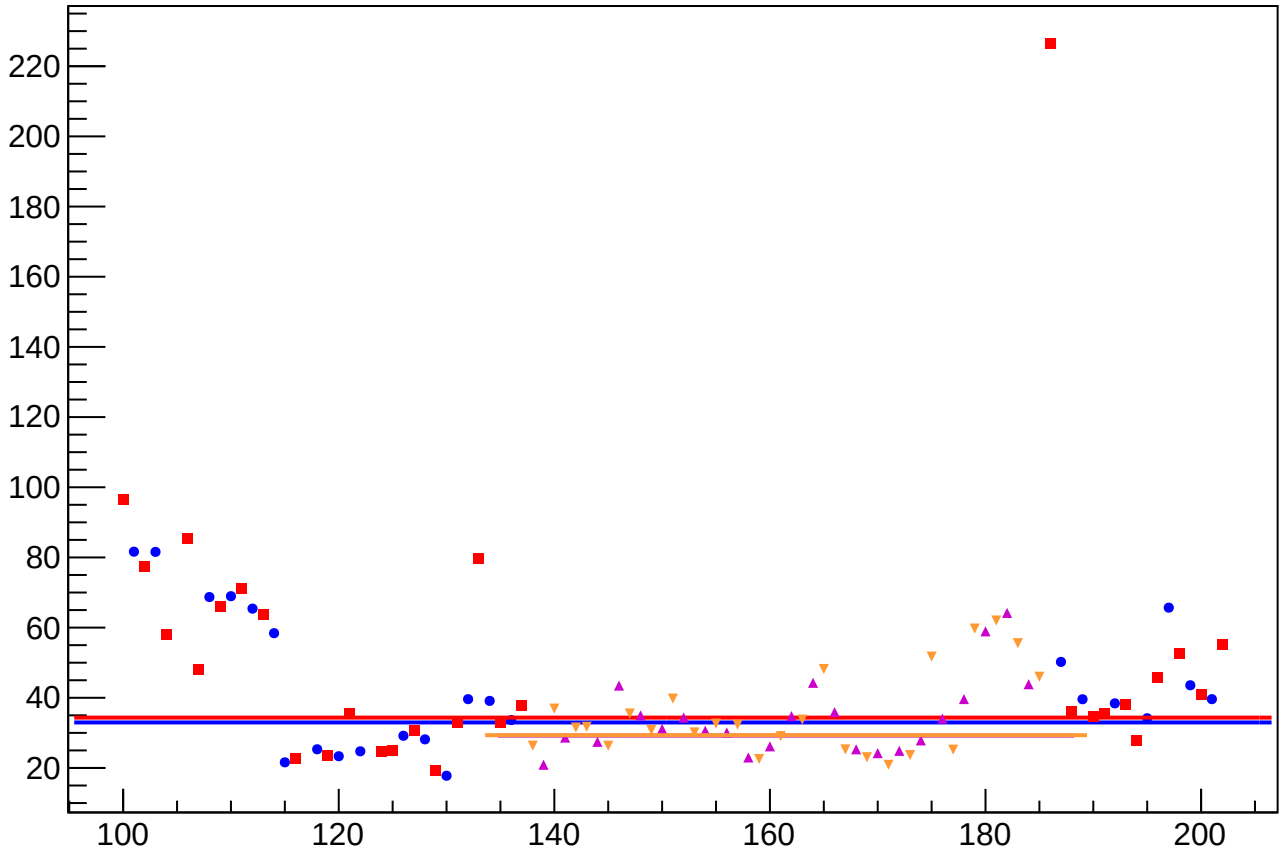
Right Out: 0.005+/-0.010 χ^2/NDF: 18.8/28

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.9/47

All: 0.002+/-0.004 χ^2/NDF: 103.7/99

- sign -0.002+/-0.006 χ^2/NDF: 50.7/51



Right In: 32.970+/-0.007 χ^2/NDF: 3215789.2/22

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

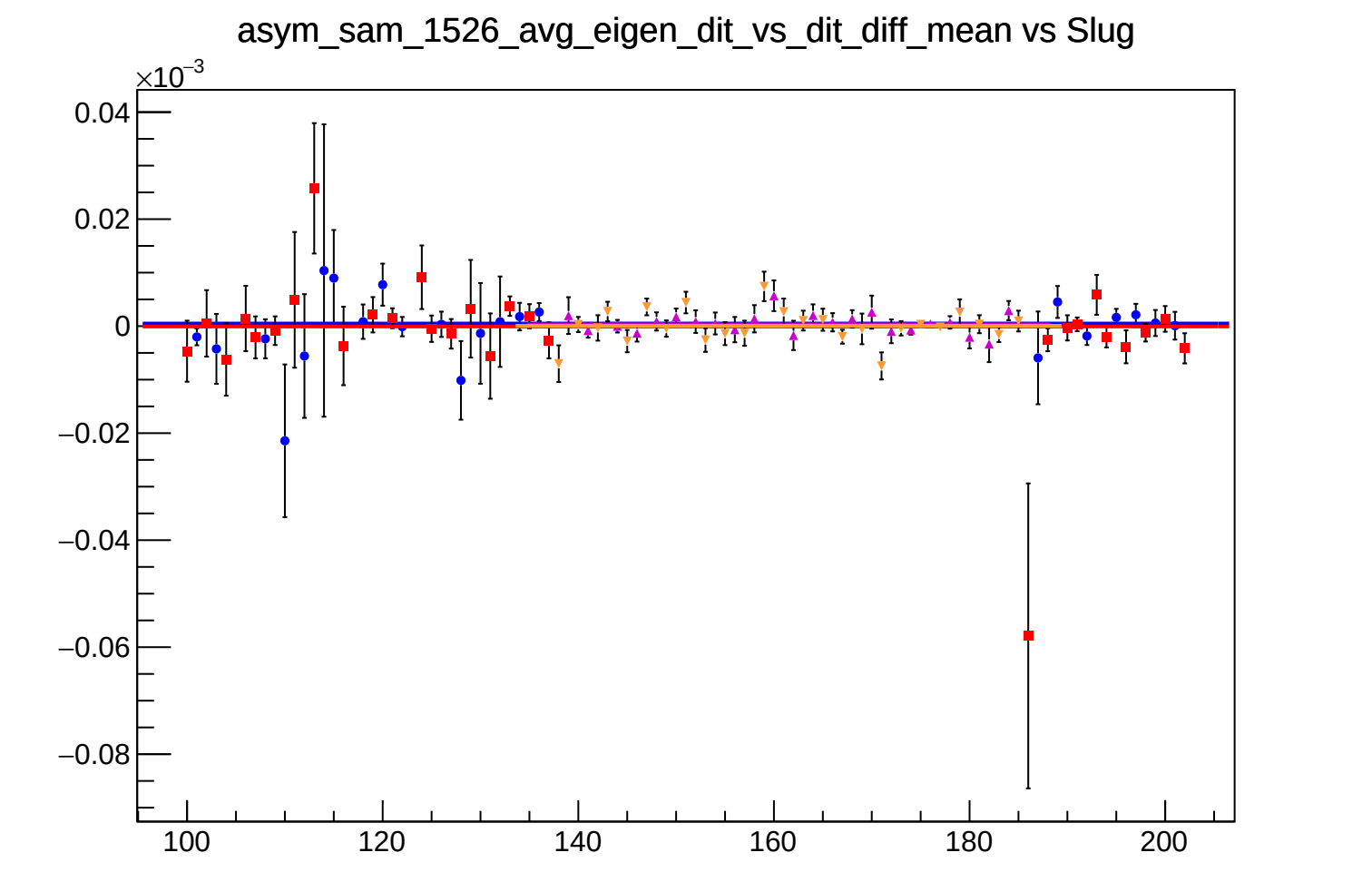
Right Out: 34.348+/-0.007 χ^2/NDF: 3886087.0/28

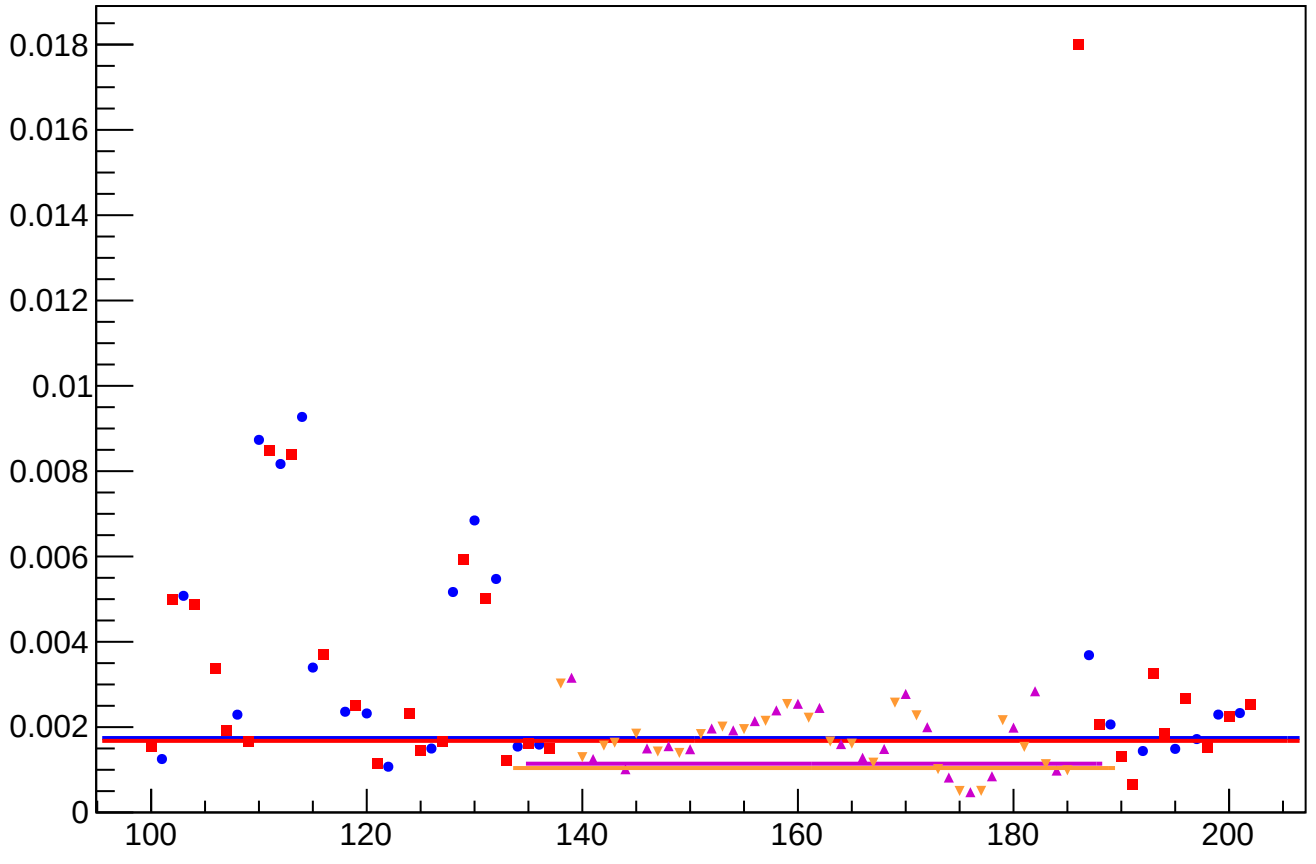
Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.484+/-0.004 χ^2/NDF: 6067909.7/47

All: 30.722+/-0.003 χ^2/NDF: 12395360.9/99

- sign 30.962+/-0.004 χ^2/NDF: 6320878.8/51


asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 20.3/22
Left Out: 0.000+/-0.000 χ²/NDF:43.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.4/28
Left In: 0.000+/-0.000 χ²/NDF:15.5/22
+ sign 0.000+/-0.000 χ²/NDF: 64.5/47
All: 0.000+/-0.000 χ²/NDF: 110.8/99
- sign 0.000+/-0.000 χ²/NDF: 46.3/51



Right In: 0.002+/-0.000 χ^2/NDF: 4375773.9/22

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

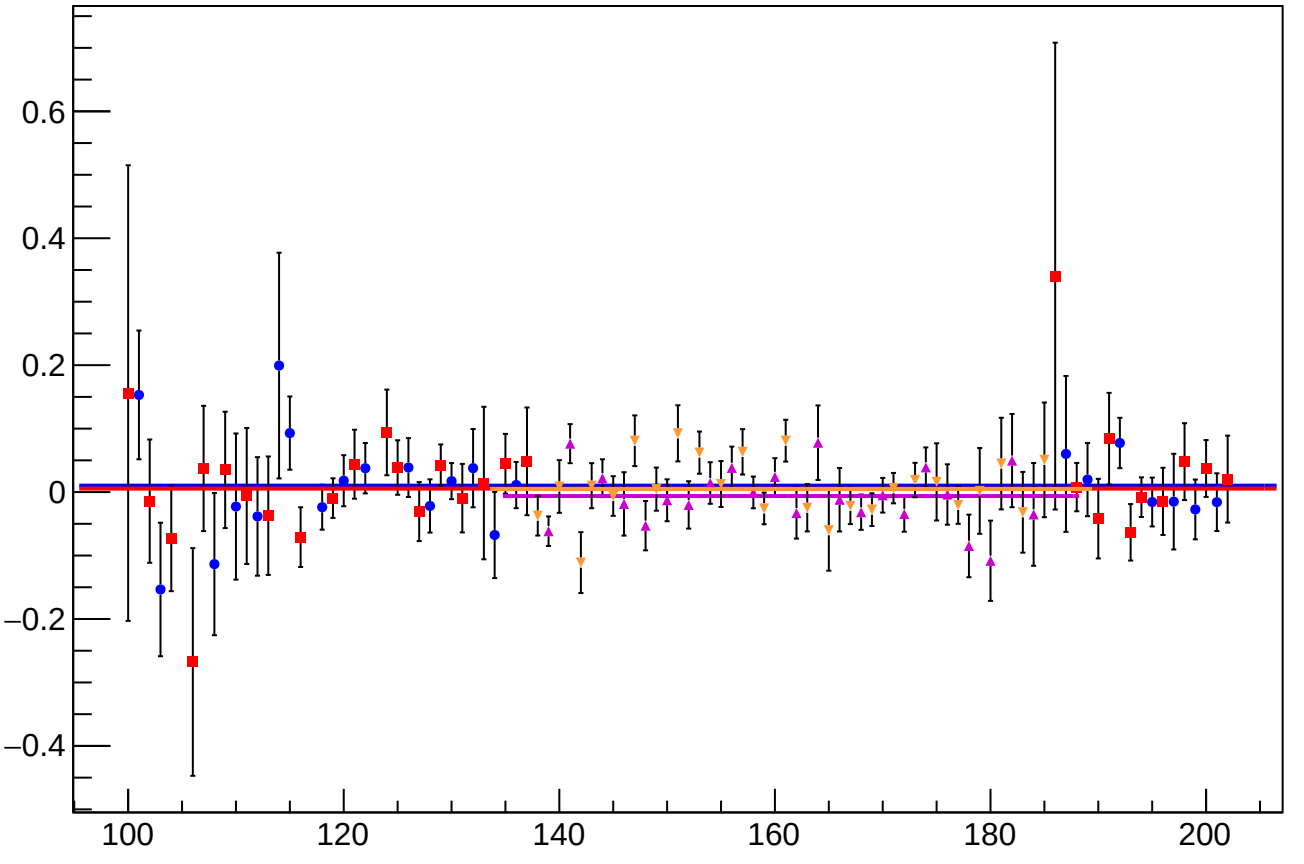
Right Out: 0.002+/-0.000 χ^2/NDF: 6733466.8/28

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

\+ sign 0.001+/-0.000 χ^2/NDF: 16698337.5/47

All: 0.001+/-0.000 χ^2/NDF: 33476632.0/99

\- sign 0.001+/-0.000 χ^2/NDF: 16607292.5/51



Right In: 0.010+/-0.010 χ^2/NDF: 17.7/22

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

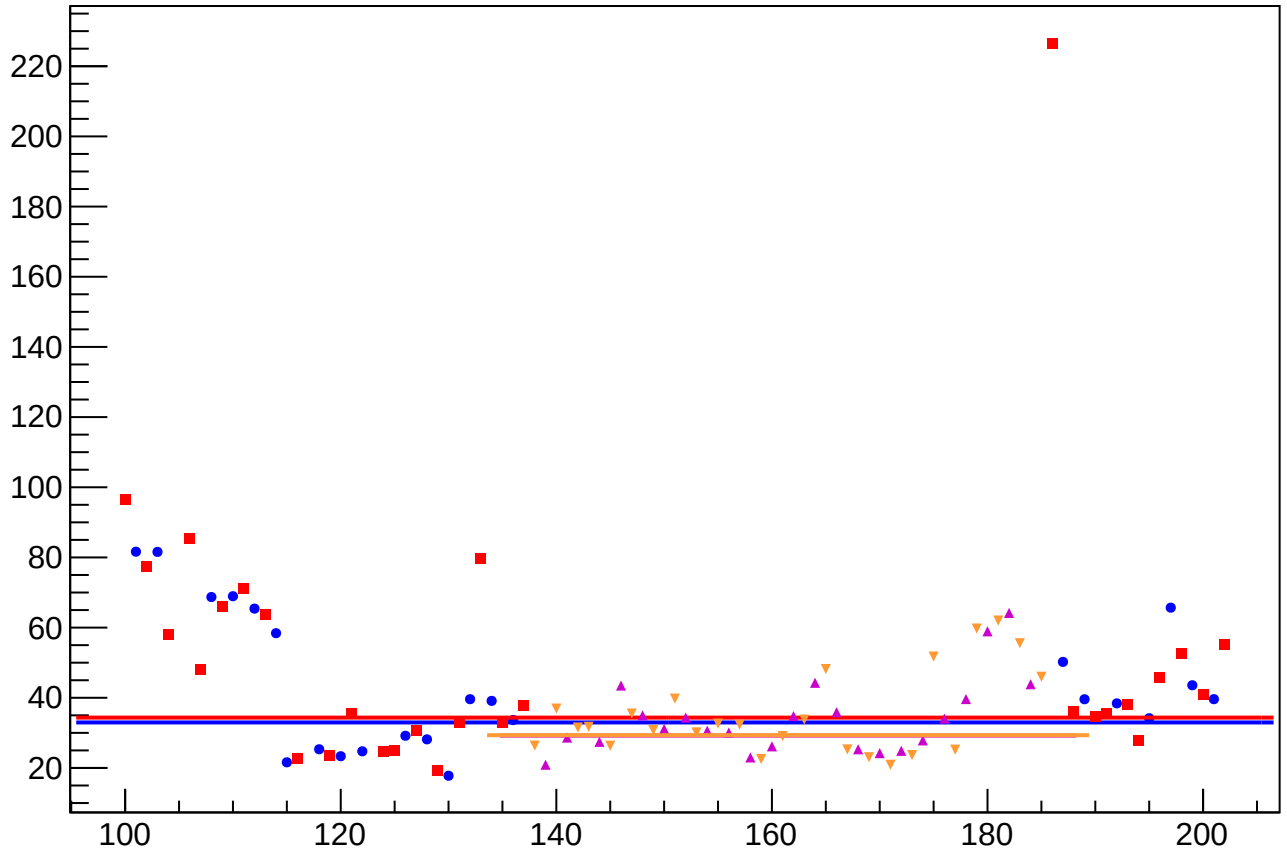
Right Out: 0.005+/-0.010 χ^2/NDF: 18.8/28

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.9/47

All: 0.002+/-0.004 χ^2/NDF: 103.7/99

- sign -0.002+/-0.006 χ^2/NDF: 50.7/51



Right In: 32.969+/-0.007 χ^2/NDF: 3216106.8/22

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

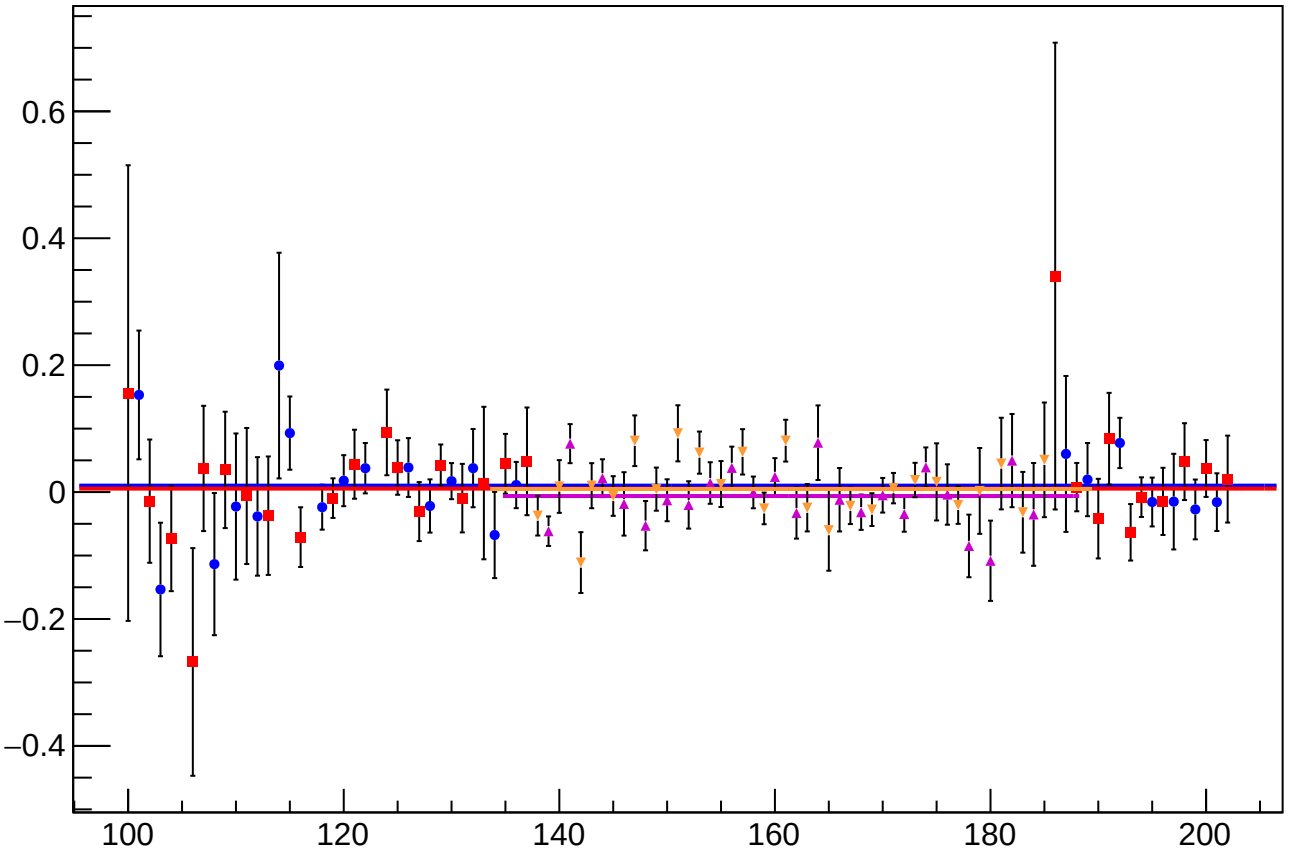
Right Out: 34.347+/-0.007 χ^2/NDF: 3886338.4/28

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.484+/-0.004 χ^2/NDF: 6068164.0/47

All: 30.722+/-0.003 χ^2/NDF: 12395685.4/99

- sign 30.962+/-0.004 χ^2/NDF: 6320943.1/51



Right In: 0.010+/-0.010 χ^2/NDF: 17.7/22

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

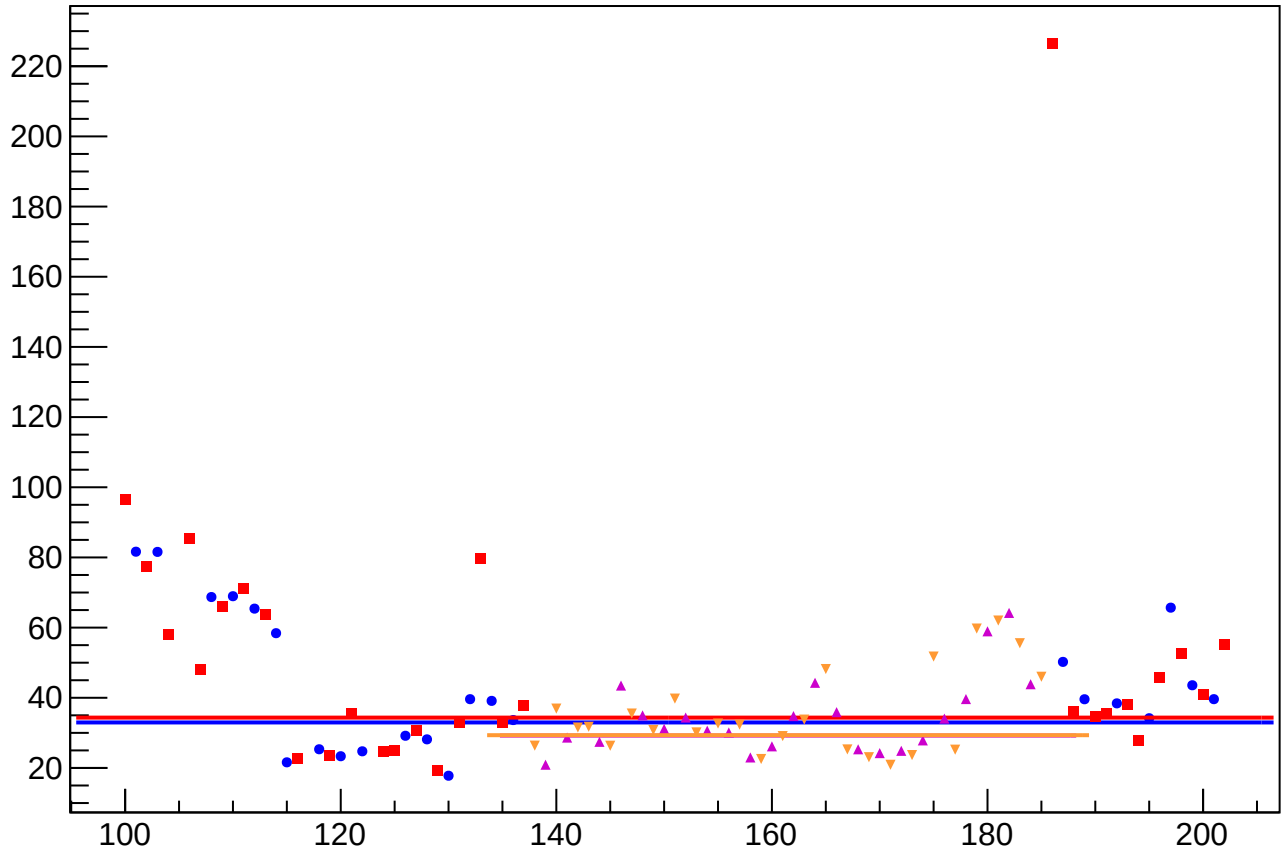
Right Out: 0.005+/-0.010 χ^2/NDF: 18.8/28

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.9/47

All: 0.002+/-0.004 χ^2/NDF: 103.7/99

- sign -0.002+/-0.006 χ^2/NDF: 50.7/51



Right In: 32.969+/-0.007 χ^2/NDF: 3216106.8/22

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

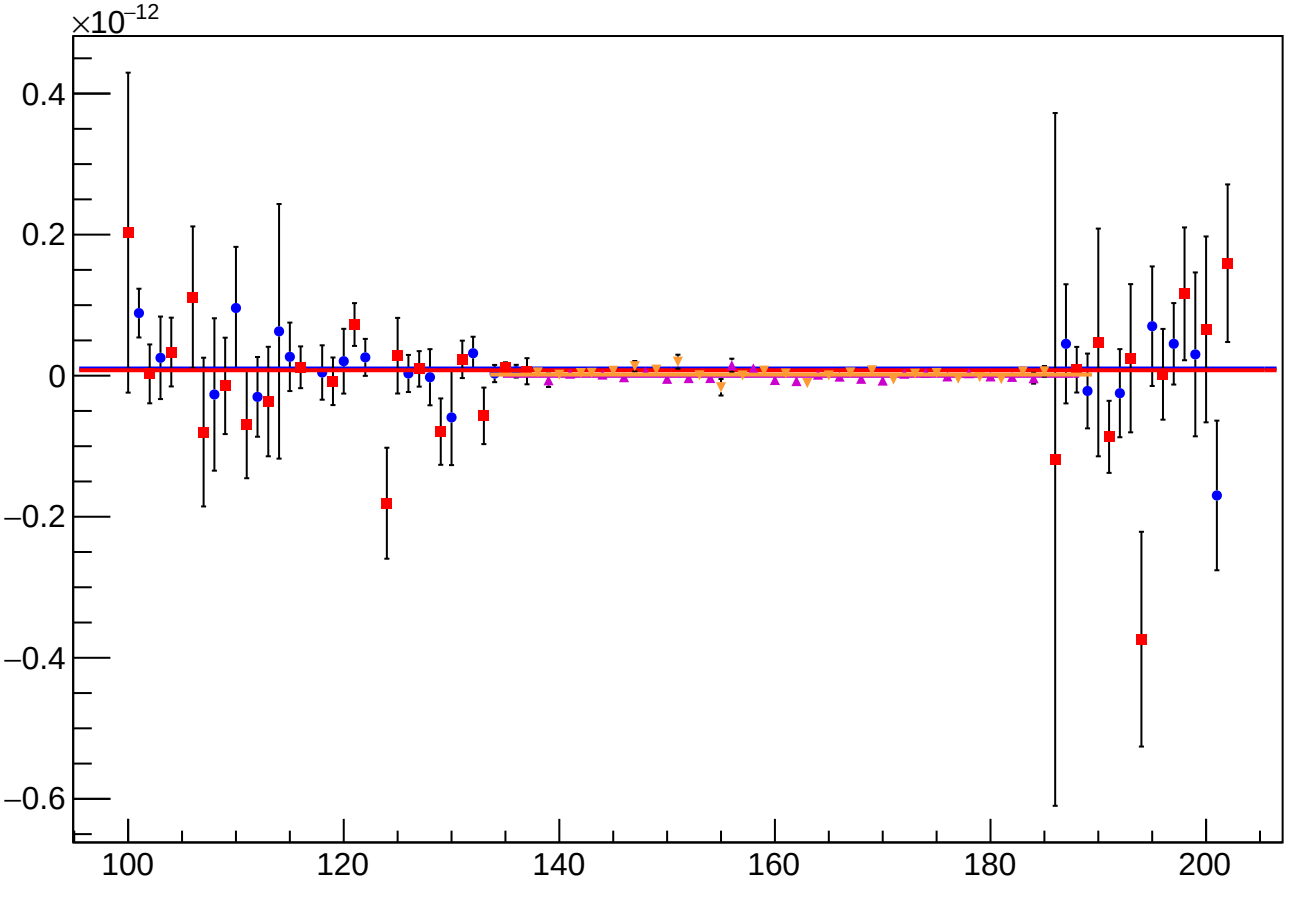
Right Out: 34.347+/-0.007 χ^2/NDF: 3886338.4/28

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.484+/-0.004 χ^2/NDF: 6068164.0/47

All: 30.722+/-0.003 χ^2/NDF: 12395685.4/99

- sign 30.962+/-0.004 χ^2/NDF: 6320943.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 14.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

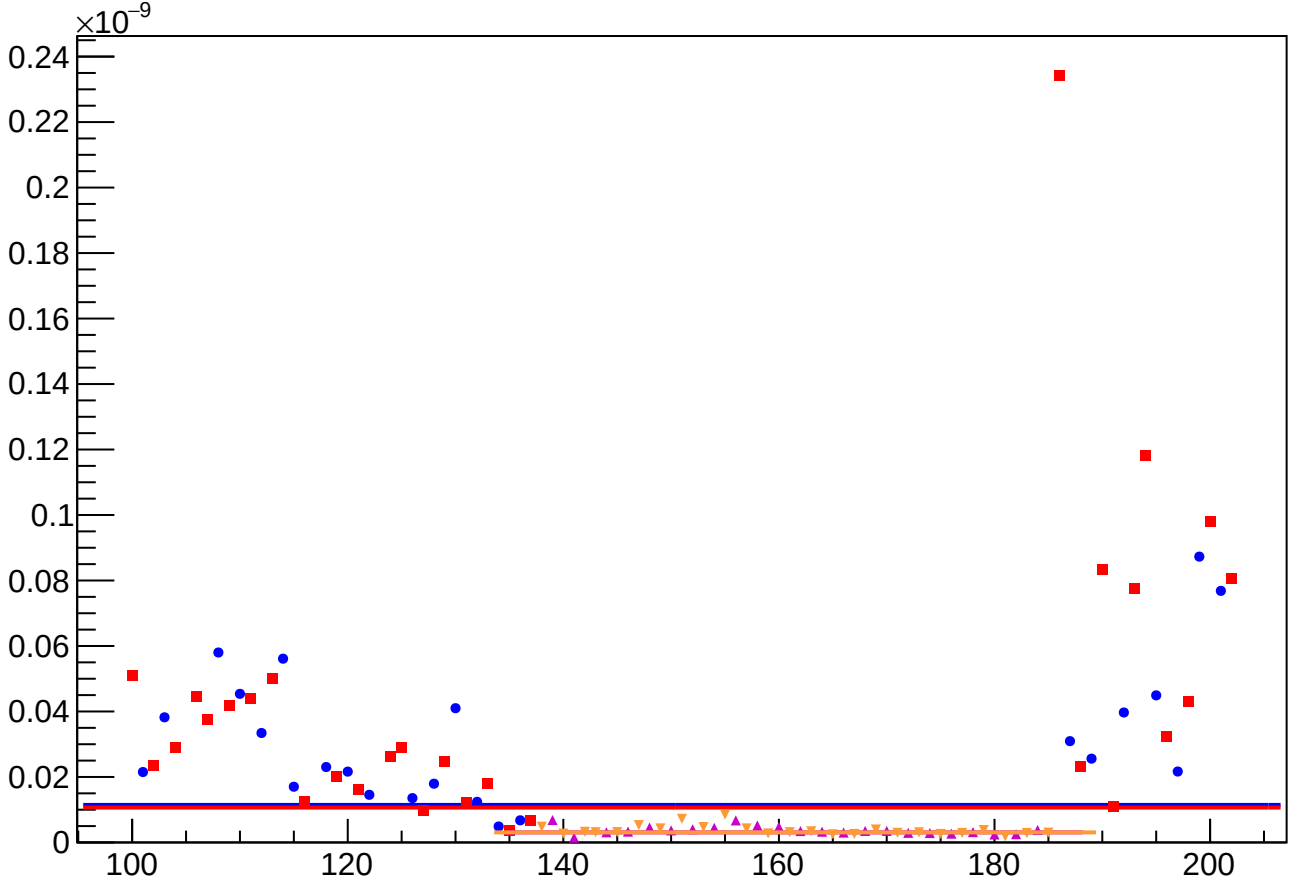
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/47

All: 0.000+/-0.000 χ^2/NDF: 108.7/99

- sign -0.000+/-0.000 χ^2/NDF: 55.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 6237729.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9710336.2/28

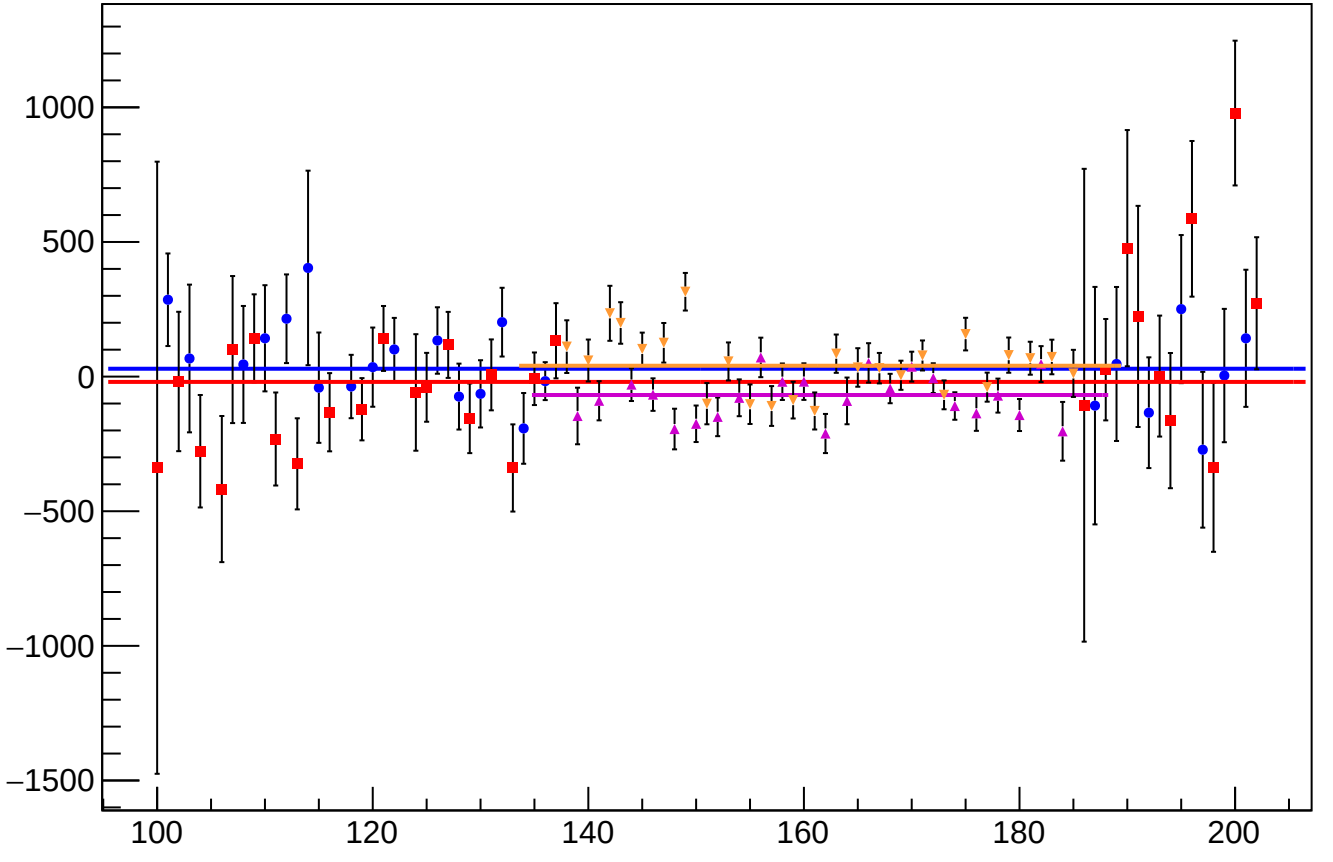
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12268460.1/47

All: 0.000+/-0.000 χ^2/NDF: 27532077.6/99

- sign 0.000+/-0.000 χ^2/NDF: 15263605.1/51

reg_asym_sam_3726_avg_mean vs Slug



Right In: 29.199+/-32.124 χ^2/NDF: 15.5/22

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -19.705+/-32.406 χ^2/NDF: 43.0/28

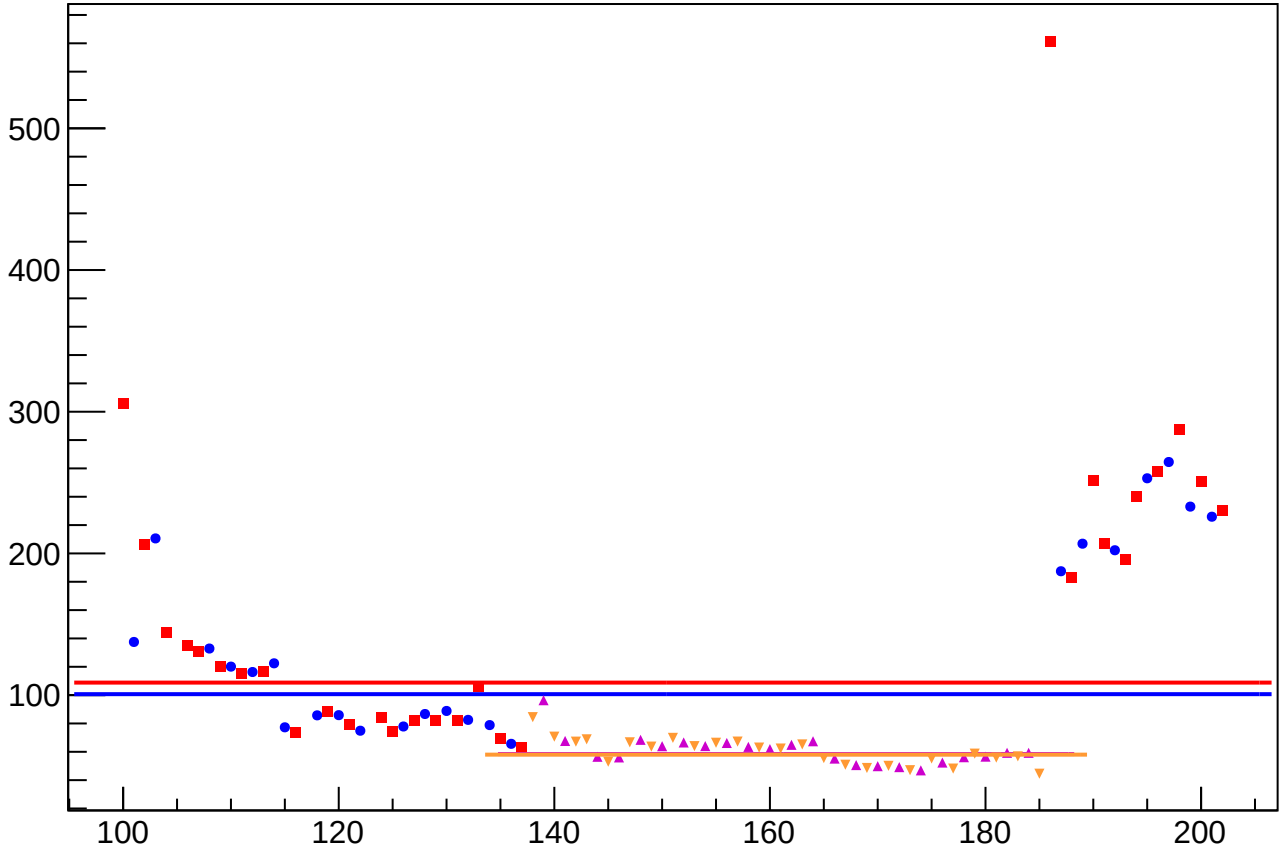
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 38.690+/-12.369 χ^2/NDF: 75.0/47

All: -9.560+/-8.877 χ^2/NDF: 183.1/99

- sign -60.817+/-12.748 χ^2/NDF: 76.7/51

reg_asym_sam_3726_avg_rms vs Slug



Right In: 100.678+/-0.023 χ^2/NDF: 4531938.1/22

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

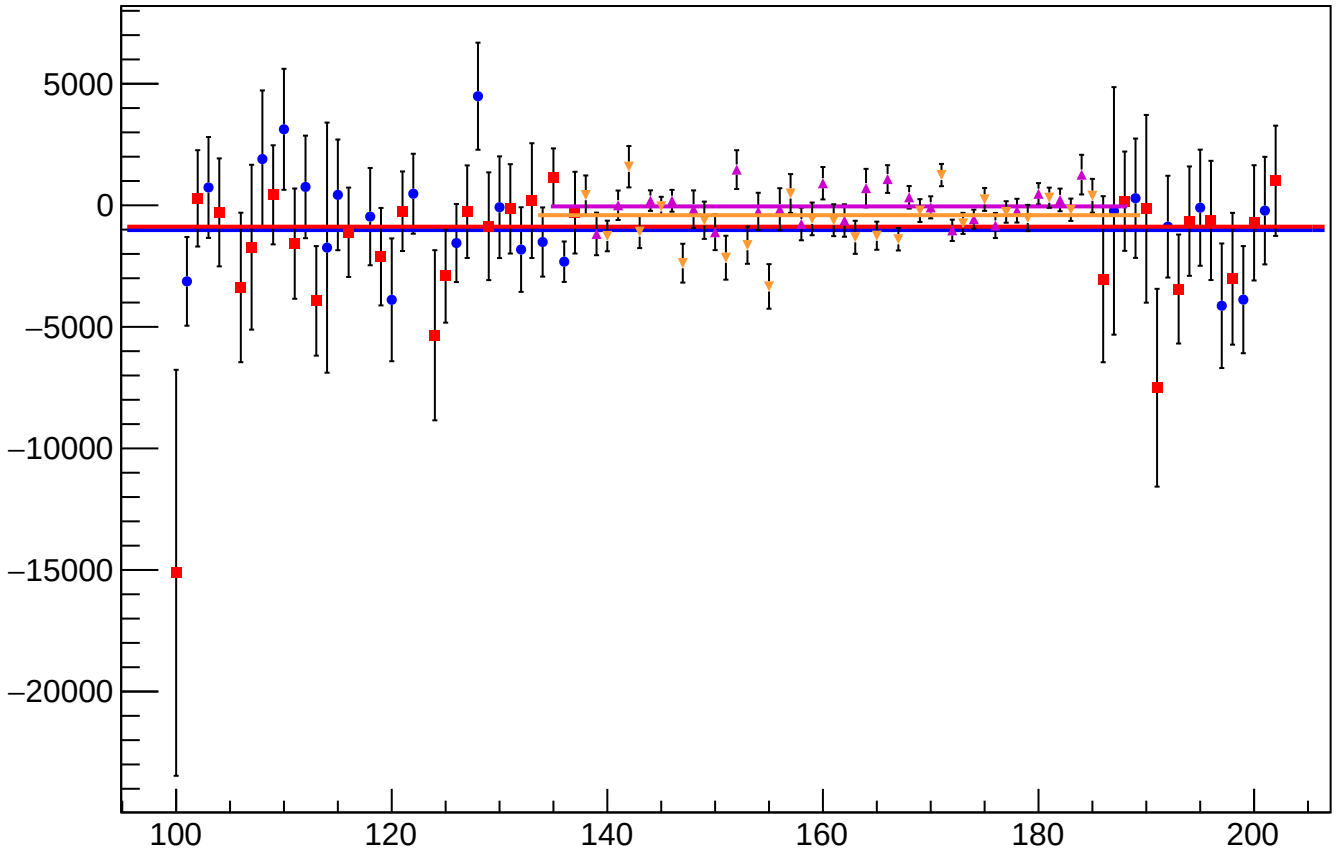
Right Out: 108.840+/-0.023 χ^2/NDF: 5962611.7/28

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 64.323+/-0.009 χ^2/NDF: 8347056.0/47

All: 65.235+/-0.006 χ^2/NDF: 19163218.1/99

- sign 66.203+/-0.009 χ^2/NDF: 10793767.6/51



Right In: -1018.950+/-397.931 χ^2/NDF: 22.3/22

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -879.290+/-405.151 χ^2/NDF: 19.1/28

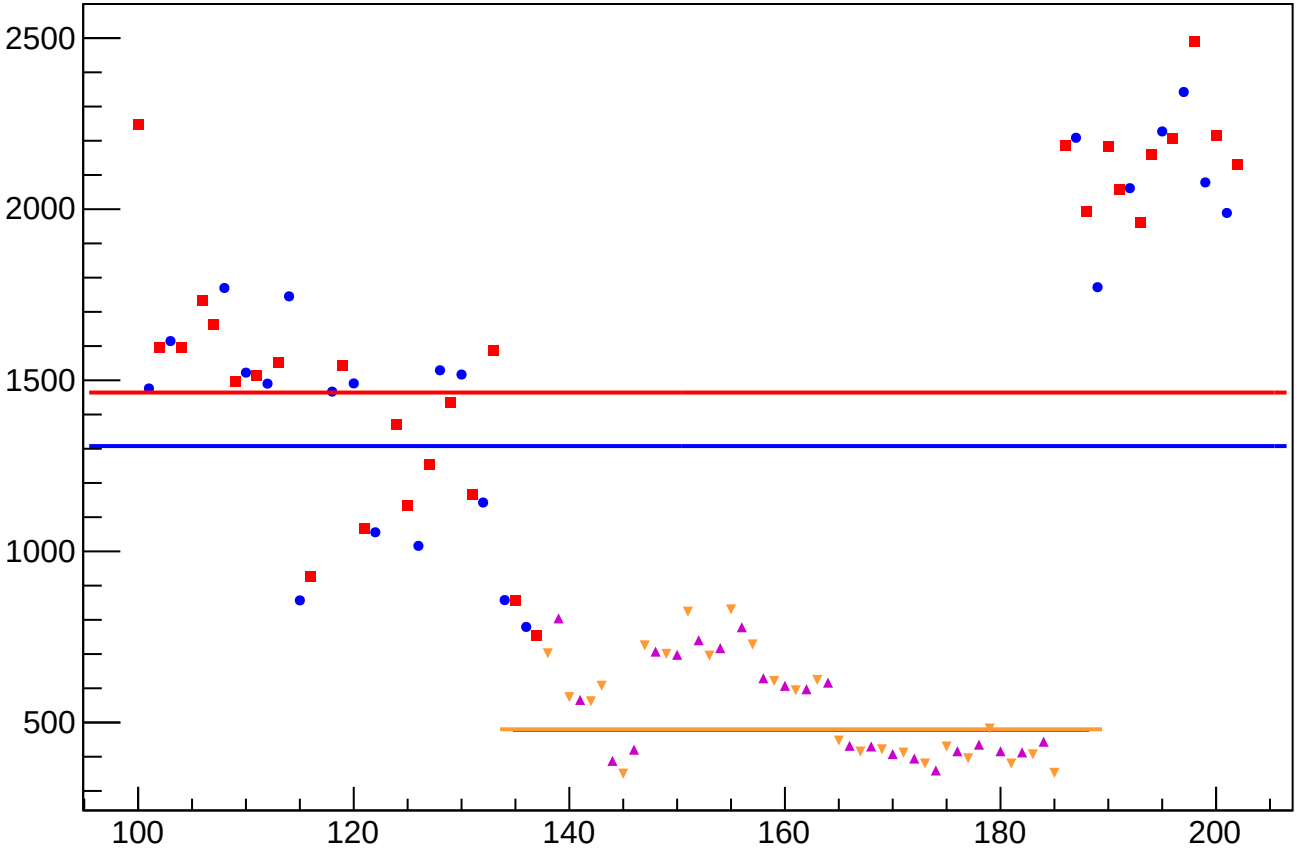
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -452.387+/-109.118 χ^2/NDF: 87.7/47

All: -283.528+/-77.922 χ^2/NDF: 146.7/99

- sign -107.817+/-111.310 χ^2/NDF: 54.1/51

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1307.759+/-0.281 χ^2/NDF: 2890041.2/22

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1464.238+/-0.286 χ^2/NDF: 2832319.4/28

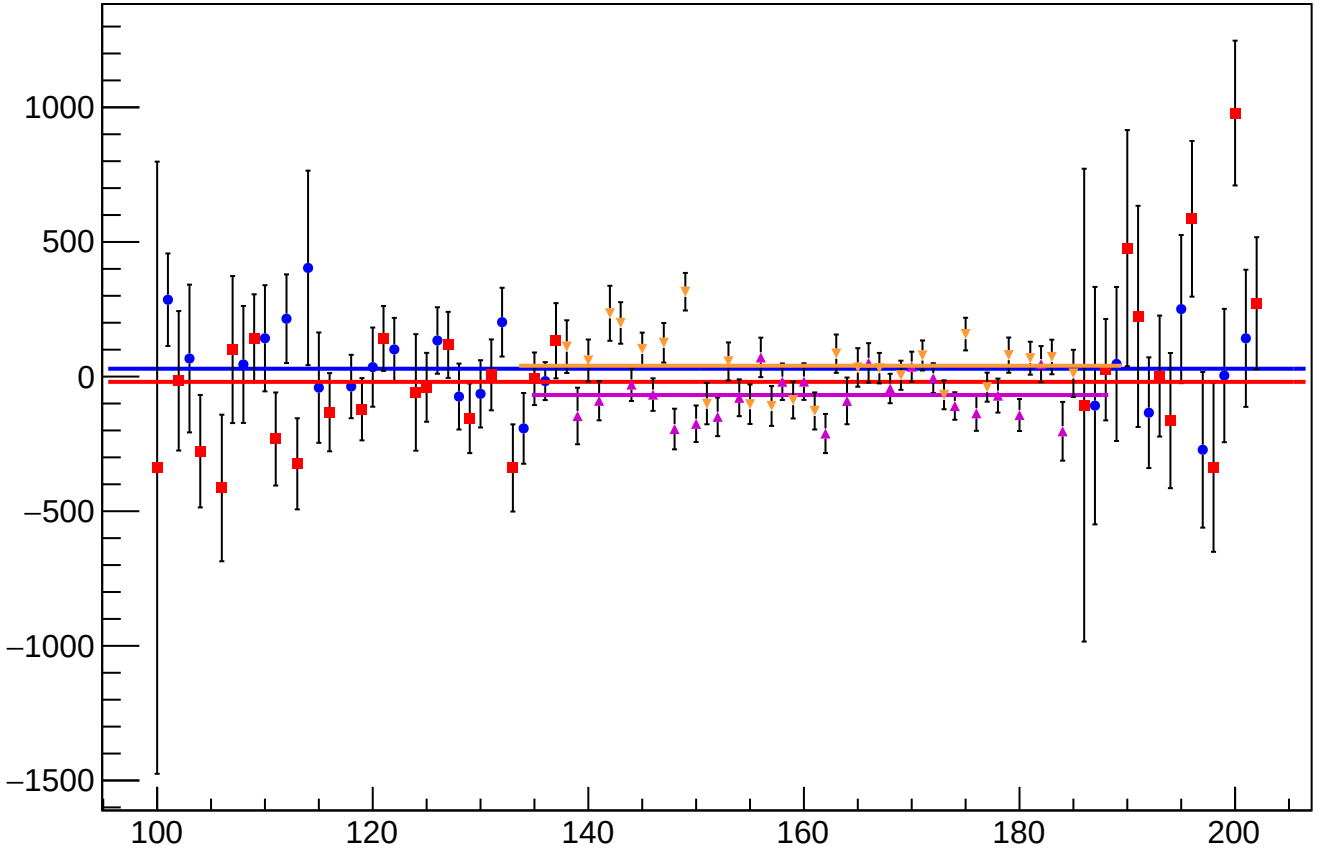
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 542.392+/-0.077 χ^2/NDF: 13472506.4/47

All: 547.355+/-0.055 χ^2/NDF: 29483524.7/99

- sign 552.519+/-0.079 χ^2/NDF: 16002575.4/51

cor_asym_sam_3726_avg_mean vs Slug



Right In: 29.189+/-32.124 χ^2/NDF: 15.5/22

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -19.573+/-32.408 χ^2/NDF: 43.0/28

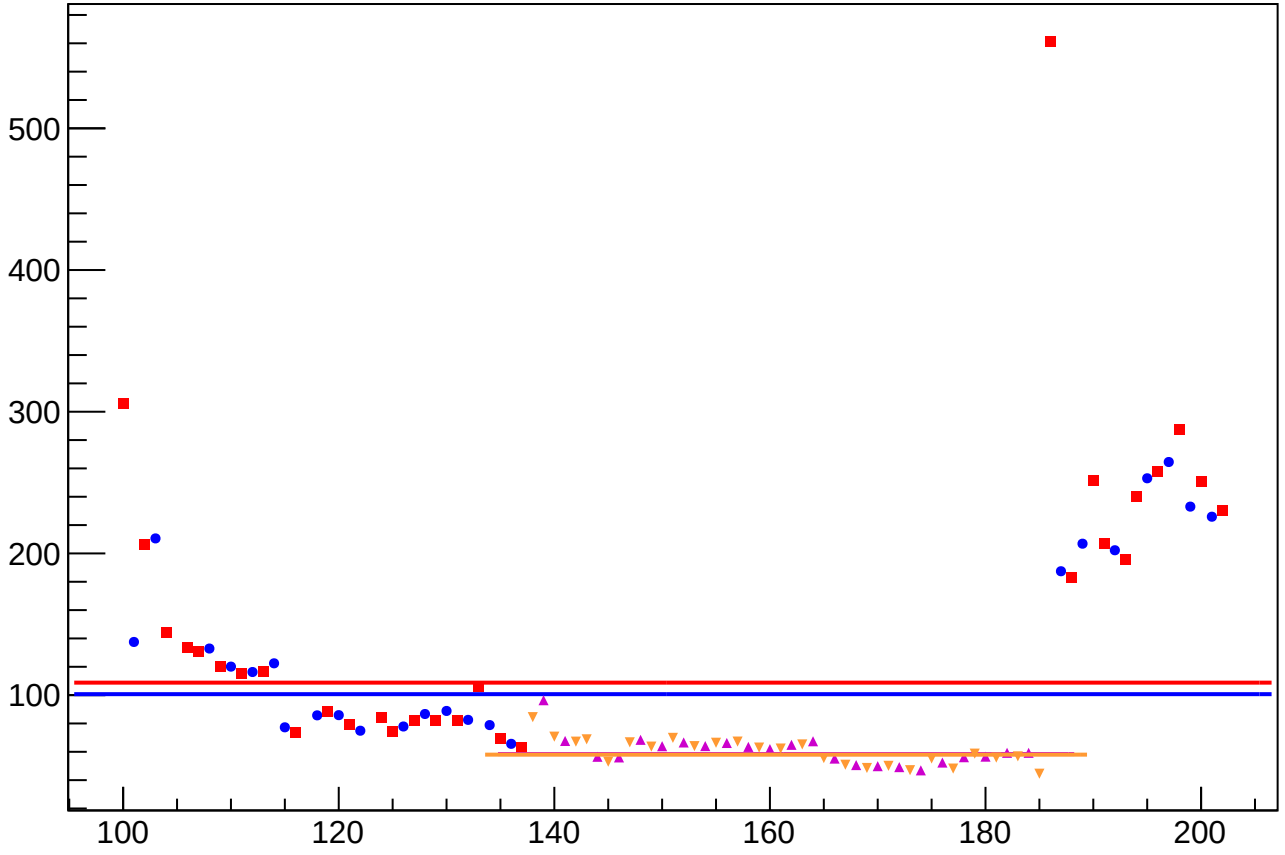
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.690+/-12.369 χ^2/NDF: 75.0/47

All: -9.550+/-8.877 χ^2/NDF: 183.0/99

- sign -60.797+/-12.748 χ^2/NDF: 76.7/51

cor_asym_sam_3726_avg_rms vs Slug



Right In: 100.678+/-0.023 χ^2/NDF: 4531941.1/22

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

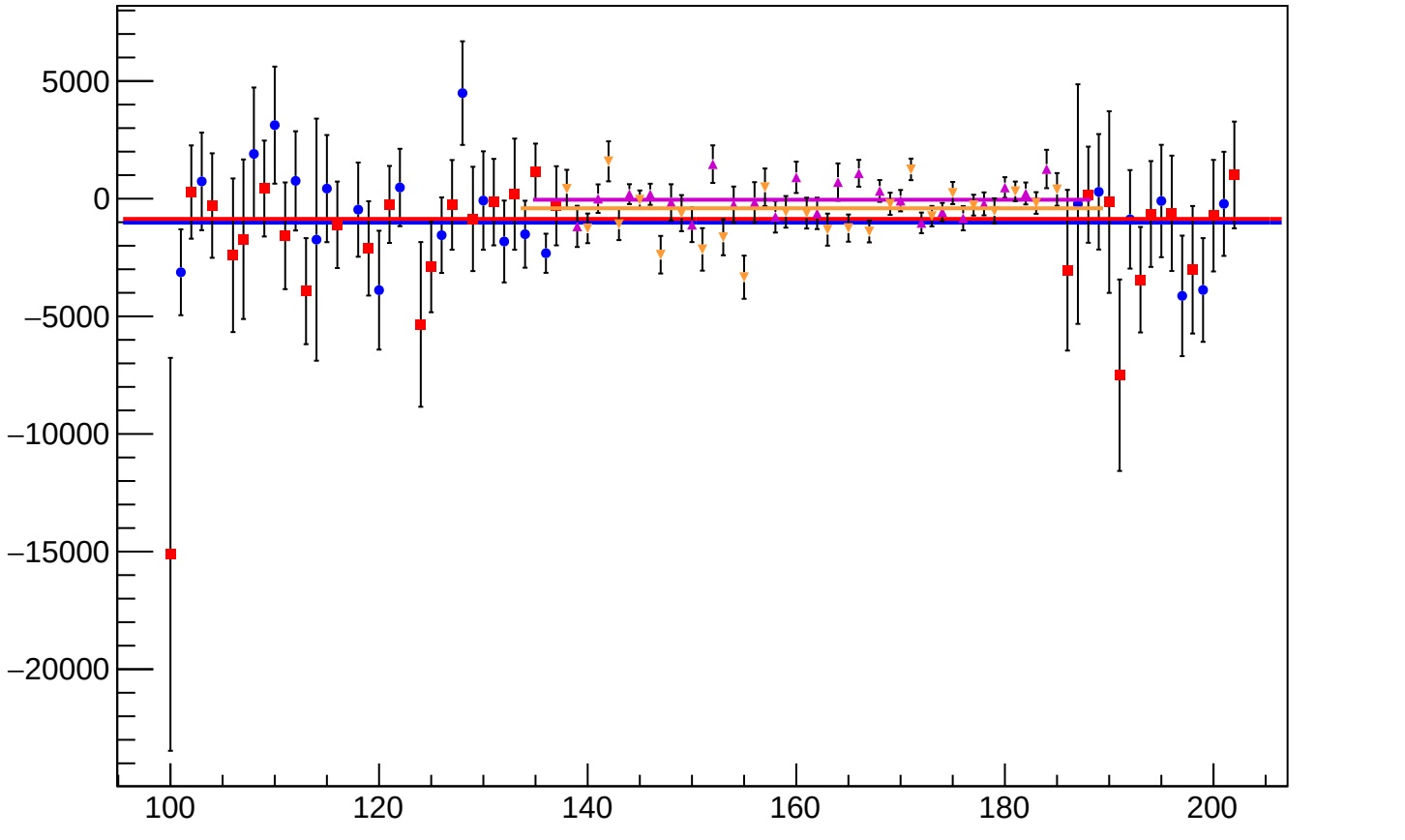
Right Out: 108.810+/-0.023 χ^2/NDF: 5960129.5/28

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 64.323+/-0.009 χ^2/NDF: 8347058.2/47

All: 65.232+/-0.006 χ^2/NDF: 19155360.9/99

- sign 66.198+/-0.009 χ^2/NDF: 10786035.7/51



Right In: -1018.923+/-397.932 χ^2/NDF: 22.3/22

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -859.631+/-405.565 χ^2/NDF: 18.6/28

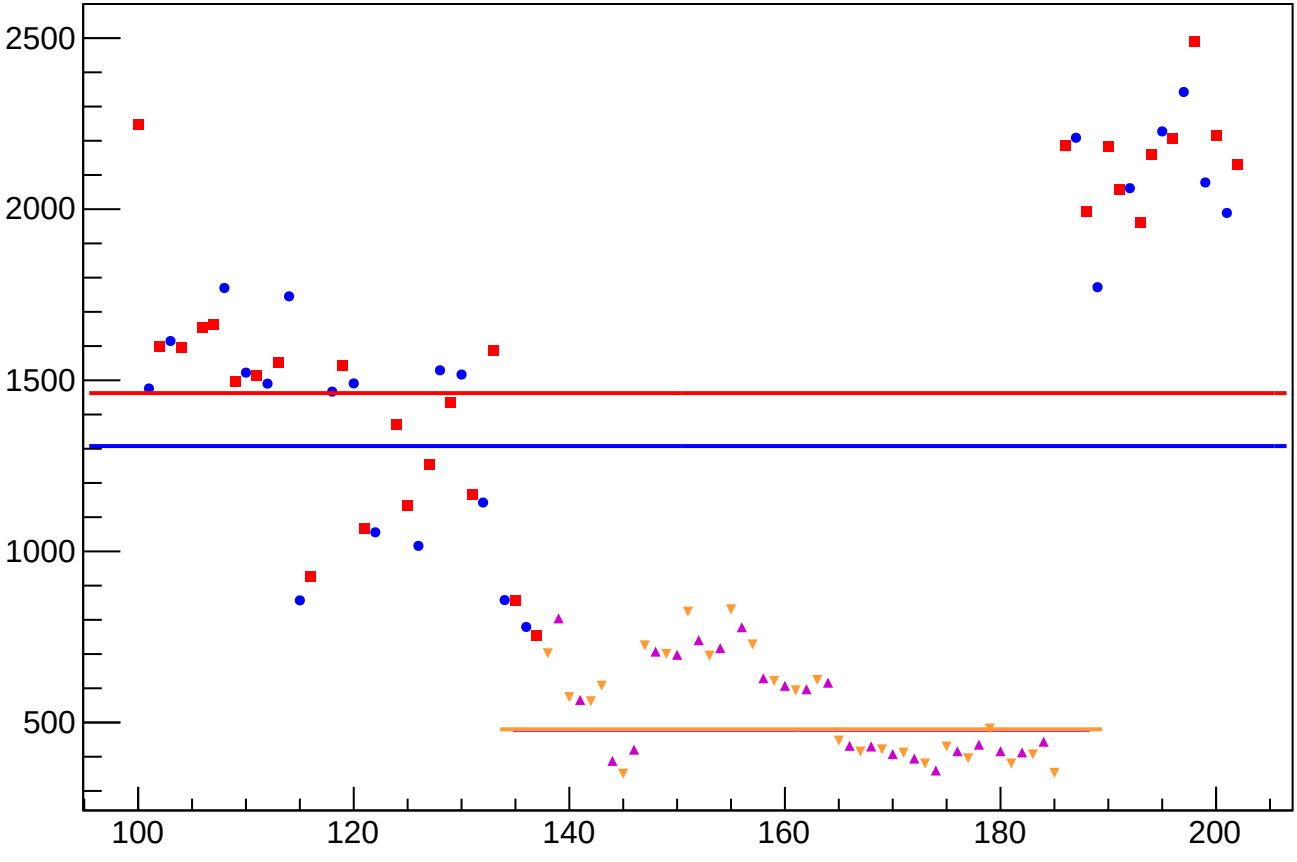
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -452.383+/-109.118 χ^2/NDF: 87.7/47

All: -282.755+/-77.925 χ^2/NDF: 146.1/99

- sign -106.216+/-111.319 χ^2/NDF: 53.4/51

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1307.761+/-0.281 χ^2/NDF: 2890071.8/22

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1462.542+/-0.287 χ^2/NDF: 2823944.3/28

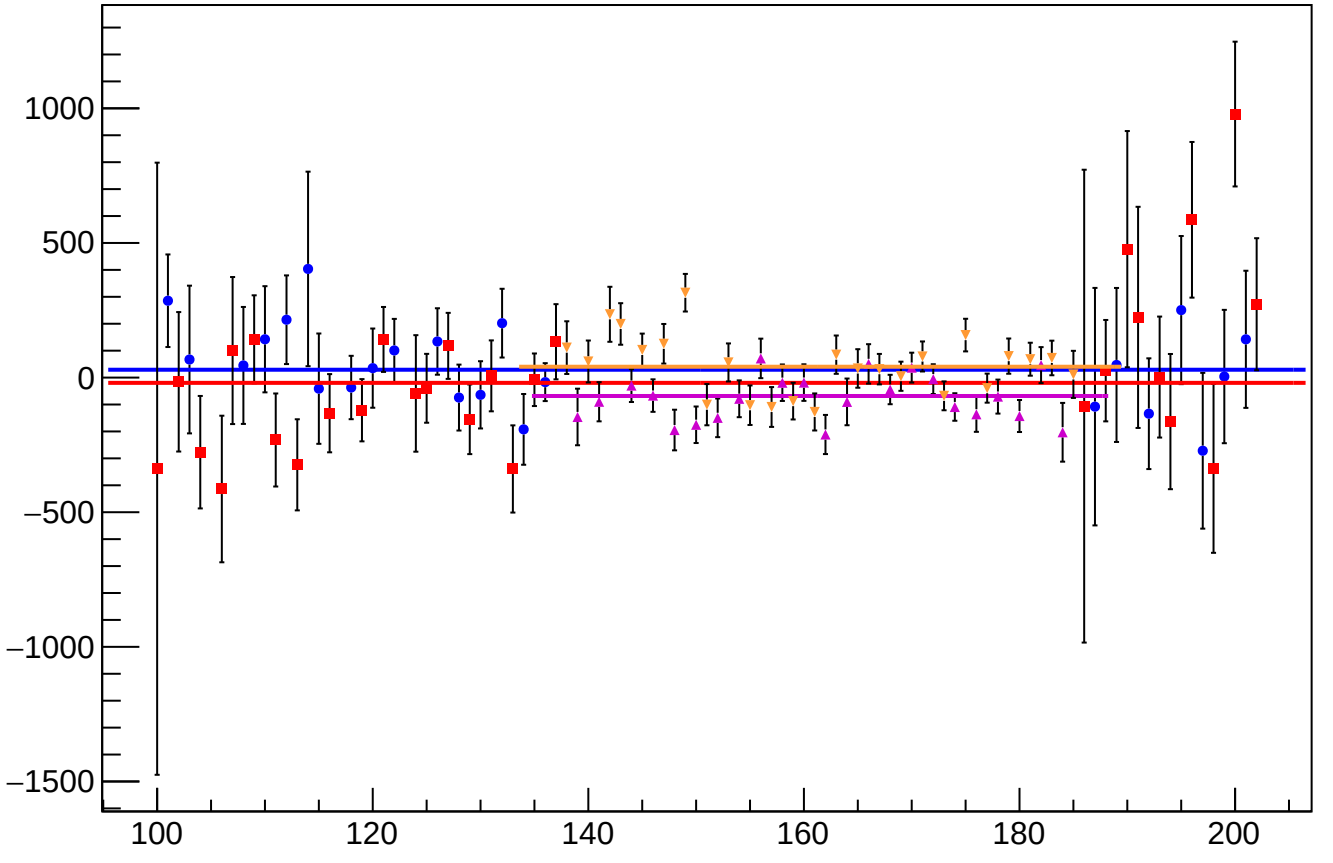
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 542.392+/-0.077 χ^2/NDF: 13472534.5/47

All: 547.223+/-0.055 χ^2/NDF: 29416488.0/99

- sign 552.251+/-0.079 χ^2/NDF: 15935951.8/51

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 29.189+/-32.124 χ^2/NDF: 15.5/22

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -19.573+/-32.408 χ^2/NDF: 43.0/28

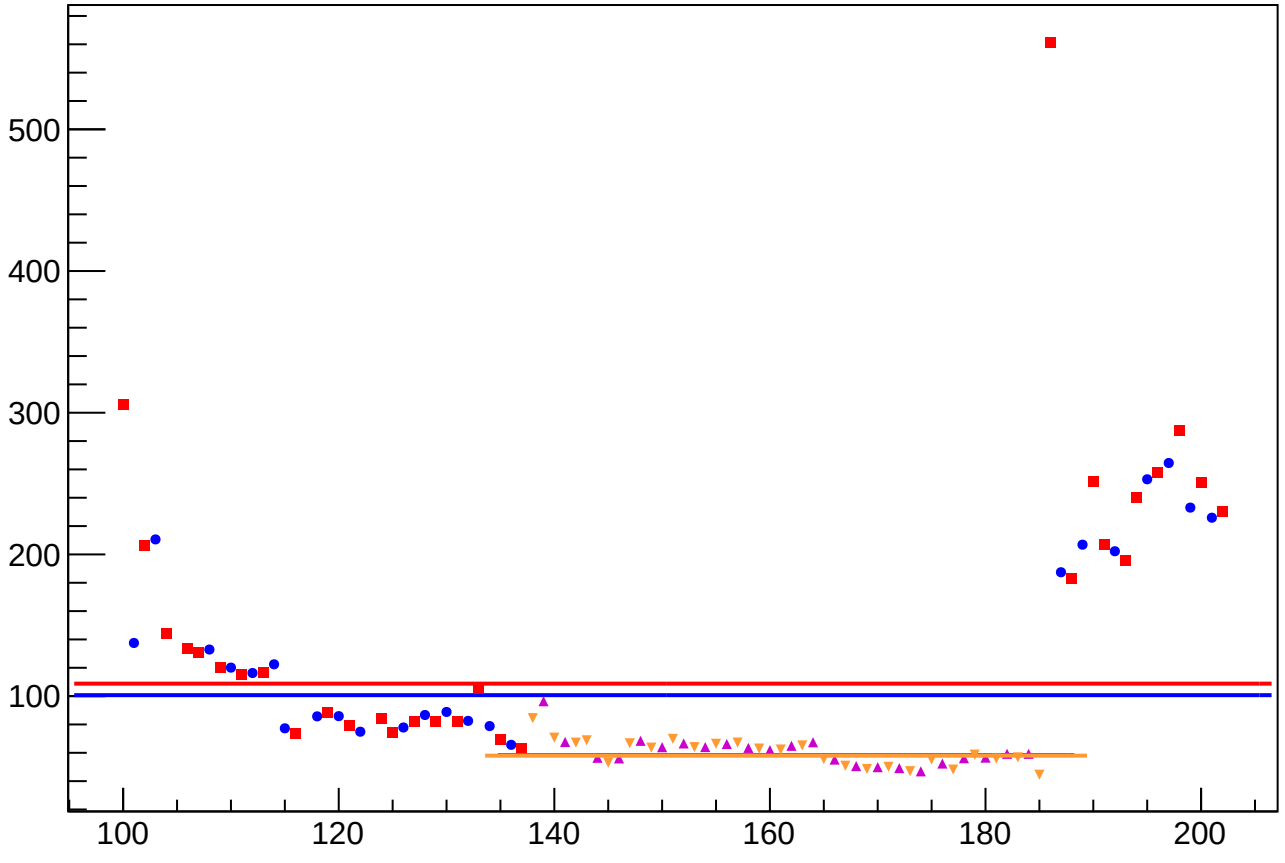
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.690+/-12.369 χ^2/NDF: 75.0/47

All: -9.550+/-8.877 χ^2/NDF: 183.0/99

- sign -60.797+/-12.748 χ^2/NDF: 76.7/51

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 100.678+/-0.023 χ^2/NDF: 4531941.1/22

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

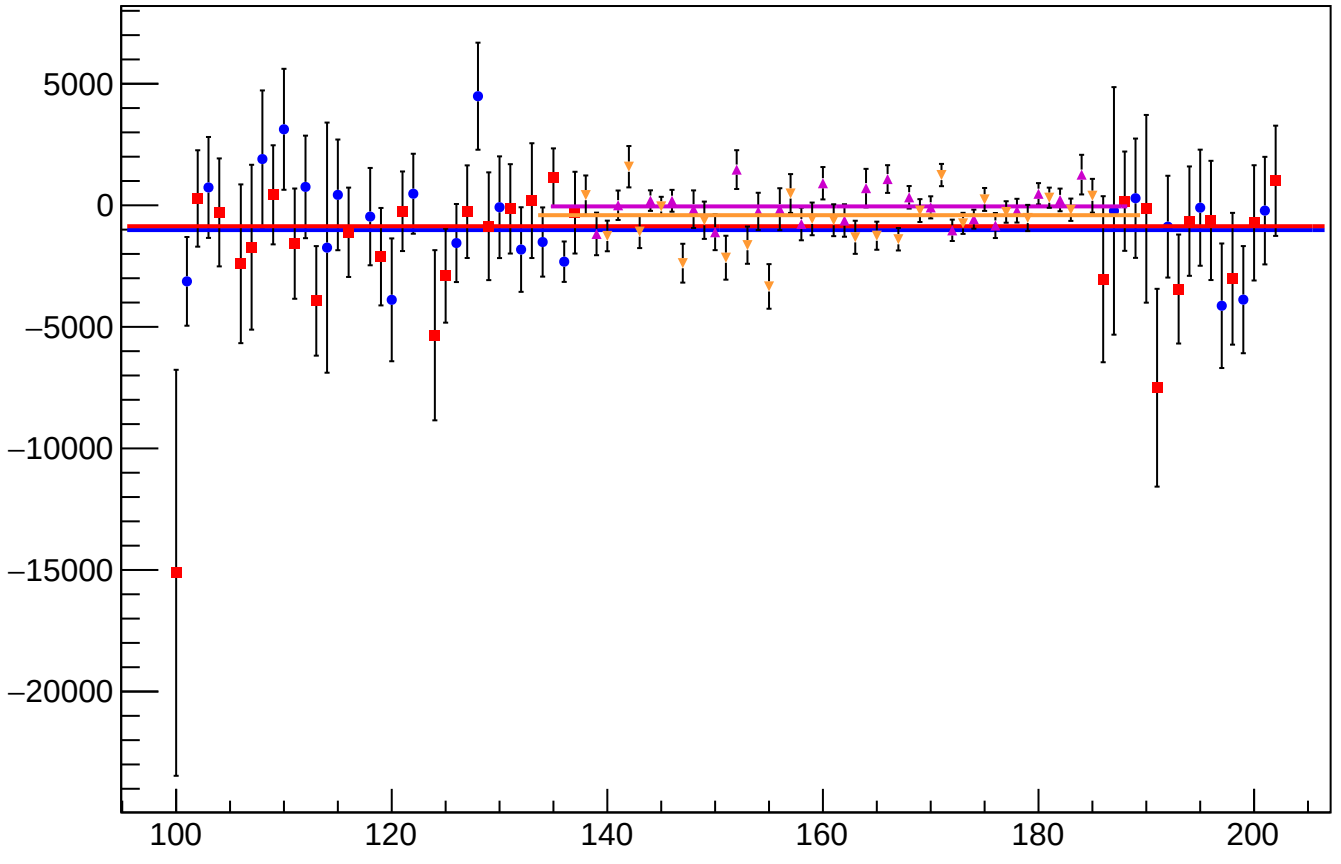
Right Out: 108.810+/-0.023 χ^2/NDF: 5960129.5/28

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 64.323+/-0.009 χ^2/NDF: 8347058.2/47

All: 65.232+/-0.006 χ^2/NDF: 19155360.9/99

- sign 66.198+/-0.009 χ^2/NDF: 10786035.7/51



Right In: -1018.923+/-397.932 χ^2/NDF: 22.3/22

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

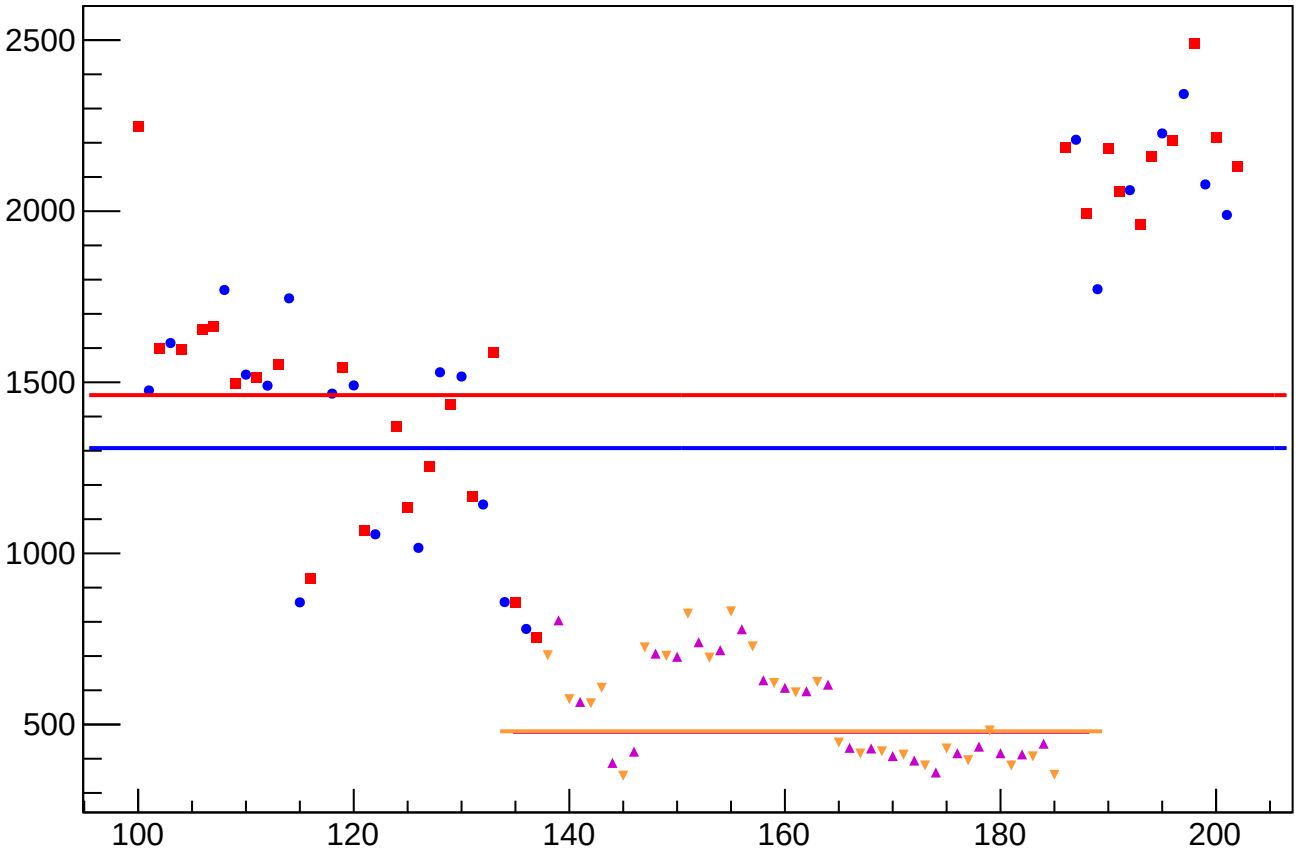
Right Out: -859.631+/-405.565 χ^2/NDF: 18.6/28

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -452.383+/-109.118 χ^2/NDF: 87.7/47

All: -282.755+/-77.925 χ^2/NDF: 146.1/99

- sign -106.216+/-111.319 χ^2/NDF: 53.4/51



Right In: 1307.761+/-0.281 χ^2/NDF: 2890071.8/22

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1462.542+/-0.287 χ^2/NDF: 2823944.3/28

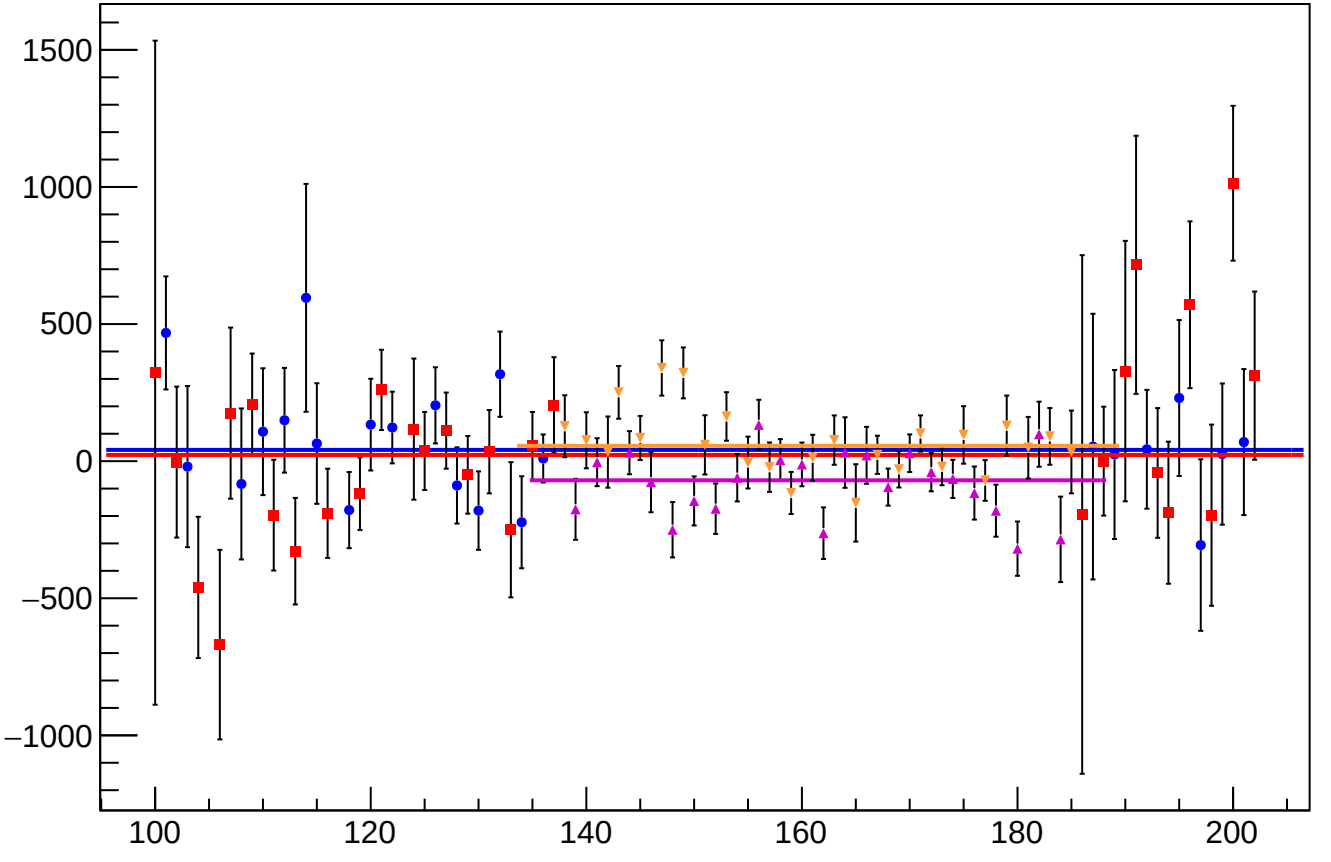
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 542.392+/-0.077 χ^2/NDF: 13472534.5/47

All: 547.223+/-0.055 χ^2/NDF: 29416488.0/99

- sign 552.251+/-0.079 χ^2/NDF: 15935951.8/51

dit_asym_sam_3726_avg_mean vs Slug



Right In: 41.131+/-37.411 χ^2/NDF: 22.0/22

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 22.655+/-37.677 χ^2/NDF: 42.2/28

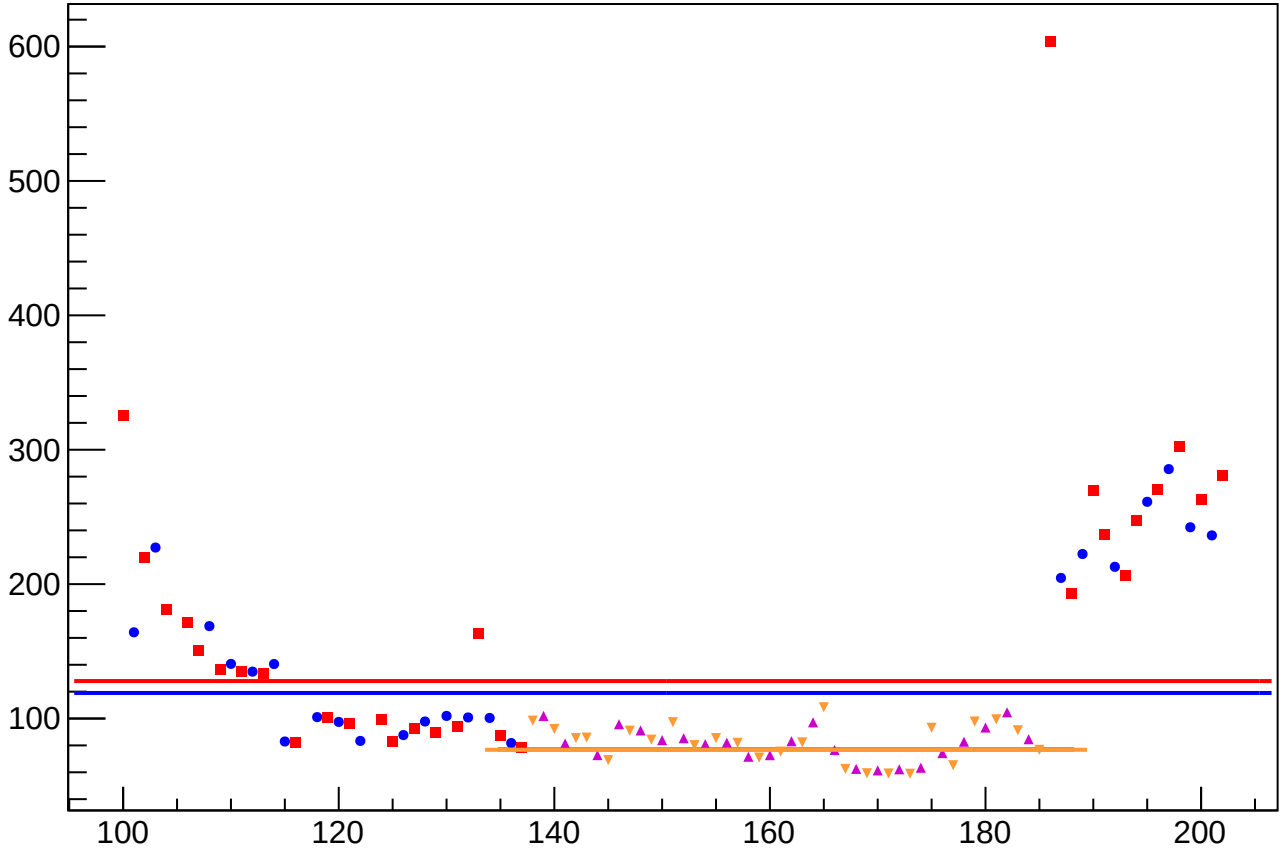
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.176+/-16.183 χ^2/NDF: 60.4/47

All: 1.996+/-11.589 χ^2/NDF: 162.6/99

- sign -51.880+/-16.604 χ^2/NDF: 81.6/51

dit_asym_sam_3726_avg_rms vs Slug



Right In: 119.022+/-0.026 χ^2/NDF: 3906742.5/22

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

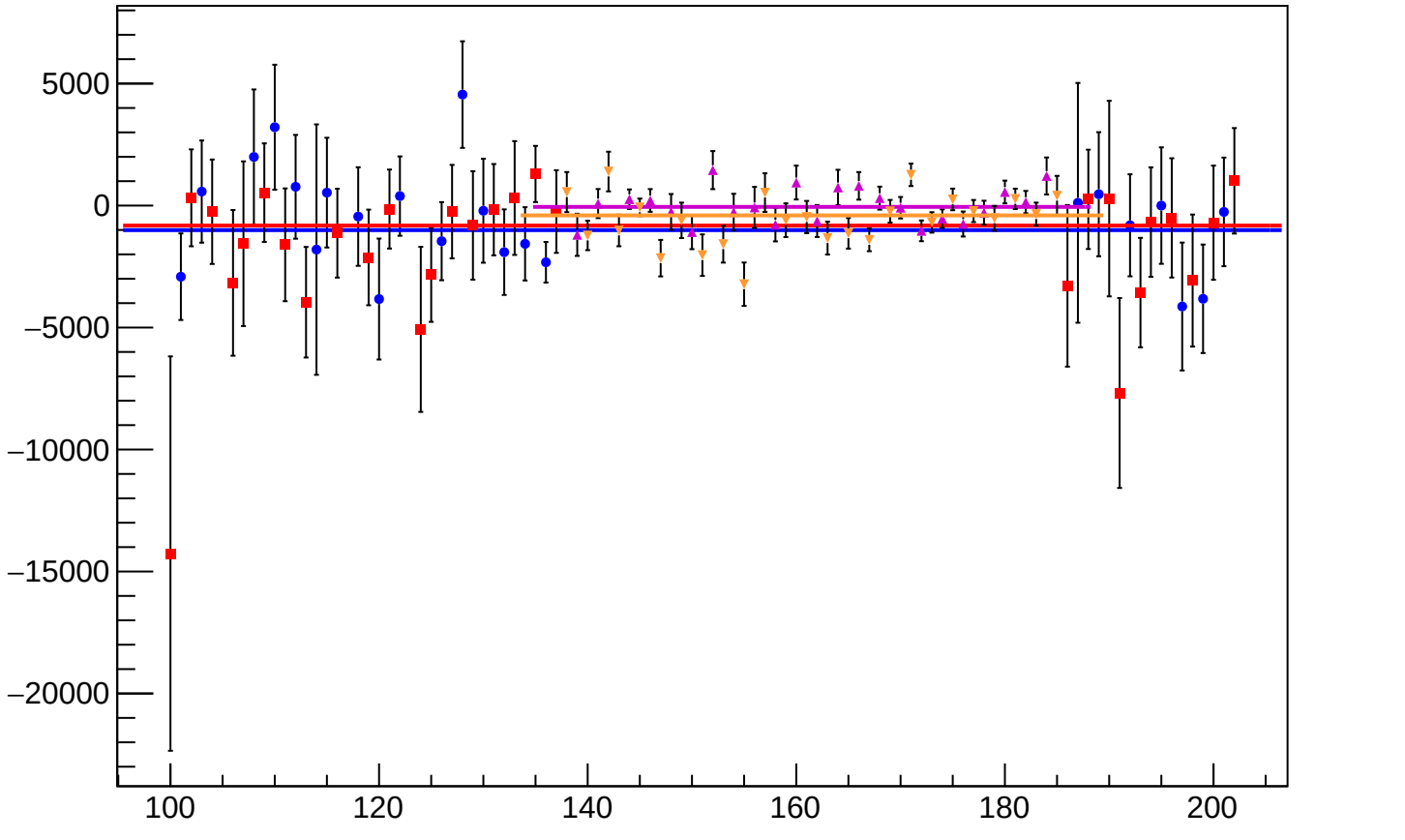
Right Out: 127.881+/-0.027 χ^2/NDF: 5369361.0/28

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 84.655+/-0.011 χ^2/NDF: 7217671.4/47

All: 85.747+/-0.008 χ^2/NDF: 16401591.5/99

- sign 86.896+/-0.012 χ^2/NDF: 9165237.0/51



Right In: -1006.686+/-399.945 χ^2/NDF: 22.2/22

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -820.383+/-400.990 χ^2/NDF: 20.5/28

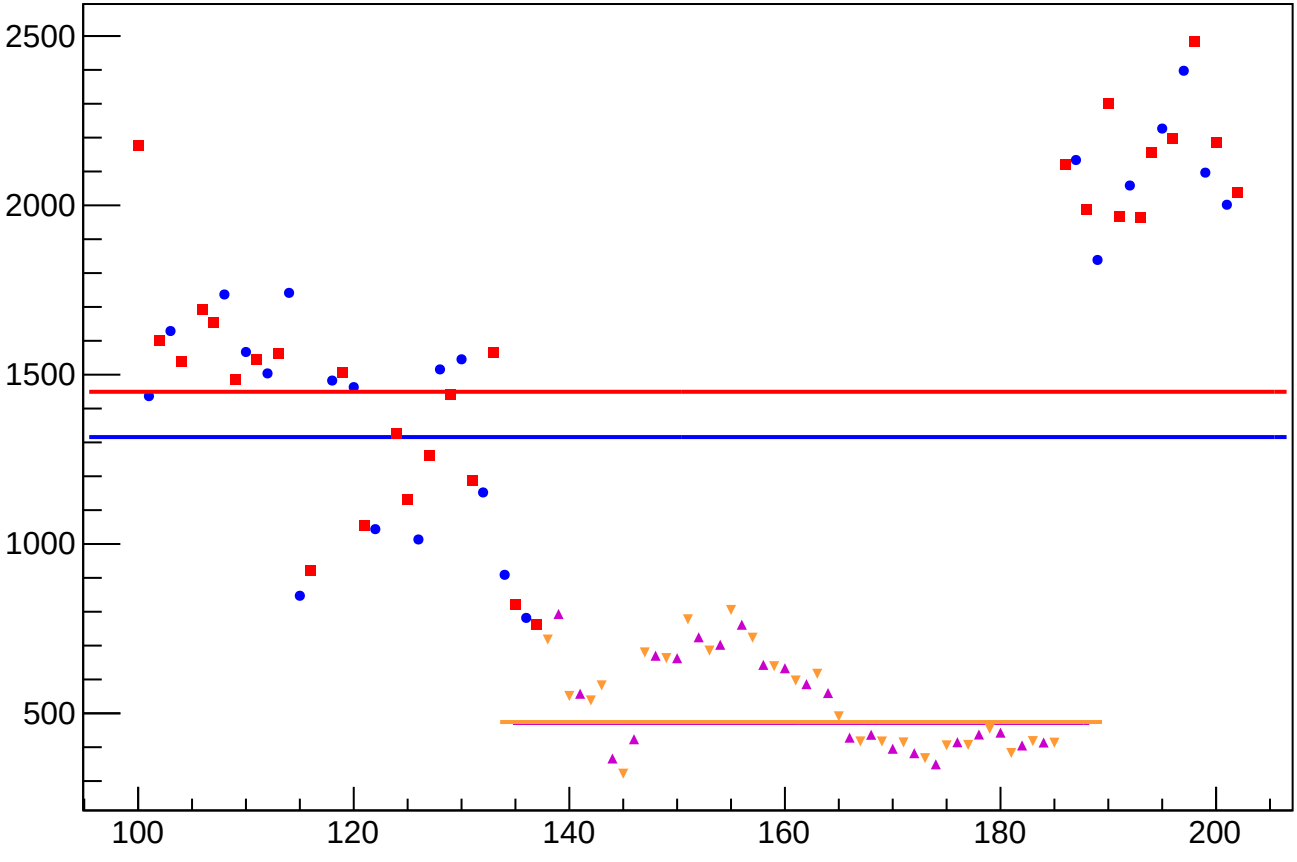
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -447.083+/-107.648 χ^2/NDF: 85.1/47

All: -282.789+/-76.887 χ^2/NDF: 144.4/99

- sign -111.696+/-109.853 χ^2/NDF: 54.6/51

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1315.738+/-0.283 χ^2/NDF: 2870772.4/22

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1449.480+/-0.284 χ^2/NDF: 2871043.2/28

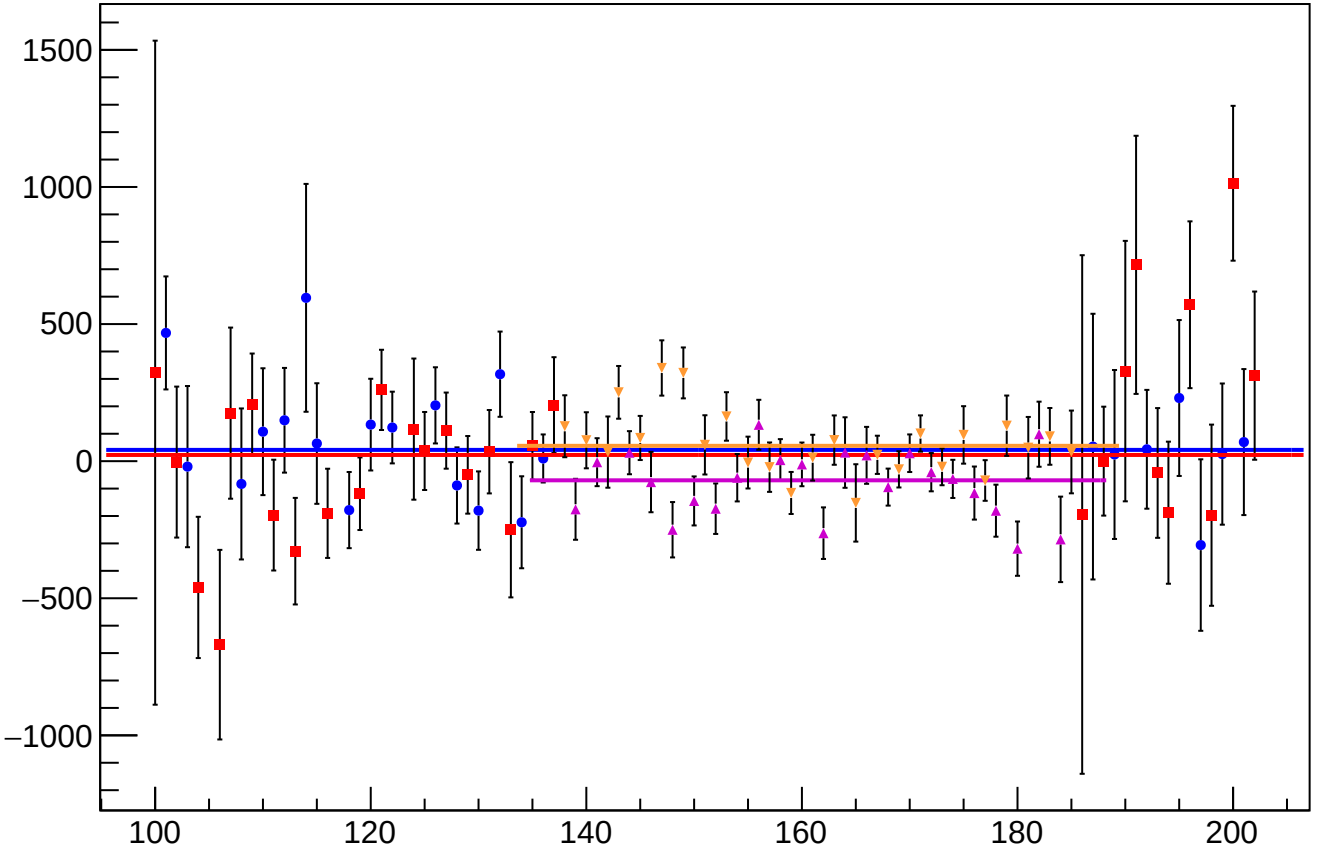
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 535.253+/-0.076 χ^2/NDF: 13621218.6/47

All: 539.958+/-0.054 χ^2/NDF: 29714154.3/99

- sign 544.858+/-0.078 χ^2/NDF: 16085135.8/51

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 41.131+/-37.411 χ^2/NDF: 22.0/22

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 22.657+/-37.677 χ^2/NDF: 42.2/28

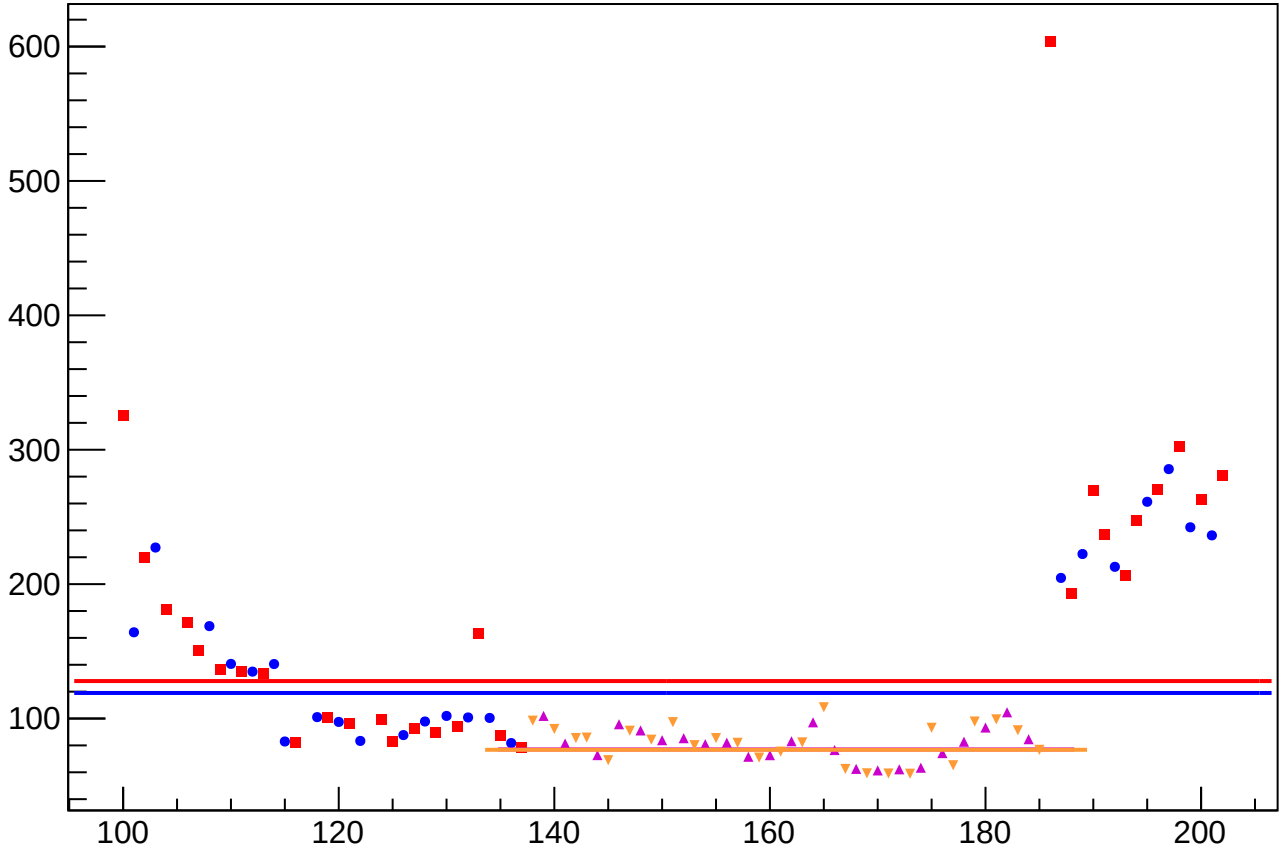
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.175+/-16.183 χ^2/NDF: 60.4/47

All: 1.996+/-11.589 χ^2/NDF: 162.6/99

- sign -51.879+/-16.604 χ^2/NDF: 81.6/51

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 119.021+/-0.026 χ^2/NDF: 3906748.4/22

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

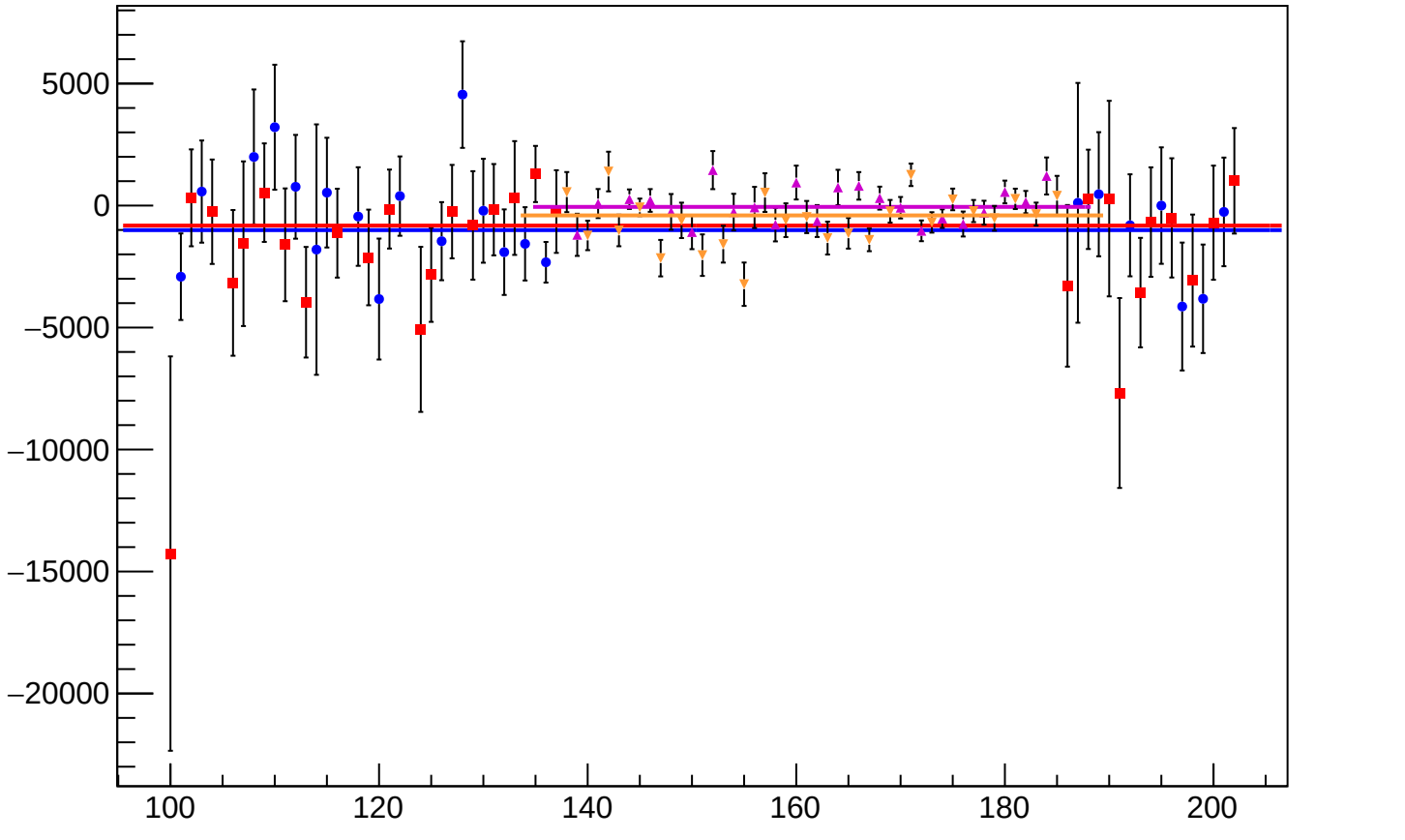
Right Out: 127.881+/-0.027 χ^2/NDF: 5369370.4/28

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

\+ sign 84.655+/-0.011 χ^2/NDF: 7217628.8/47

All: 85.747+/-0.008 χ^2/NDF: 16401504.7/99

\- sign 86.896+/-0.012 χ^2/NDF: 9165192.2/51



Right In: -1006.682+/-399.944 χ^2/NDF: 22.2/22

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

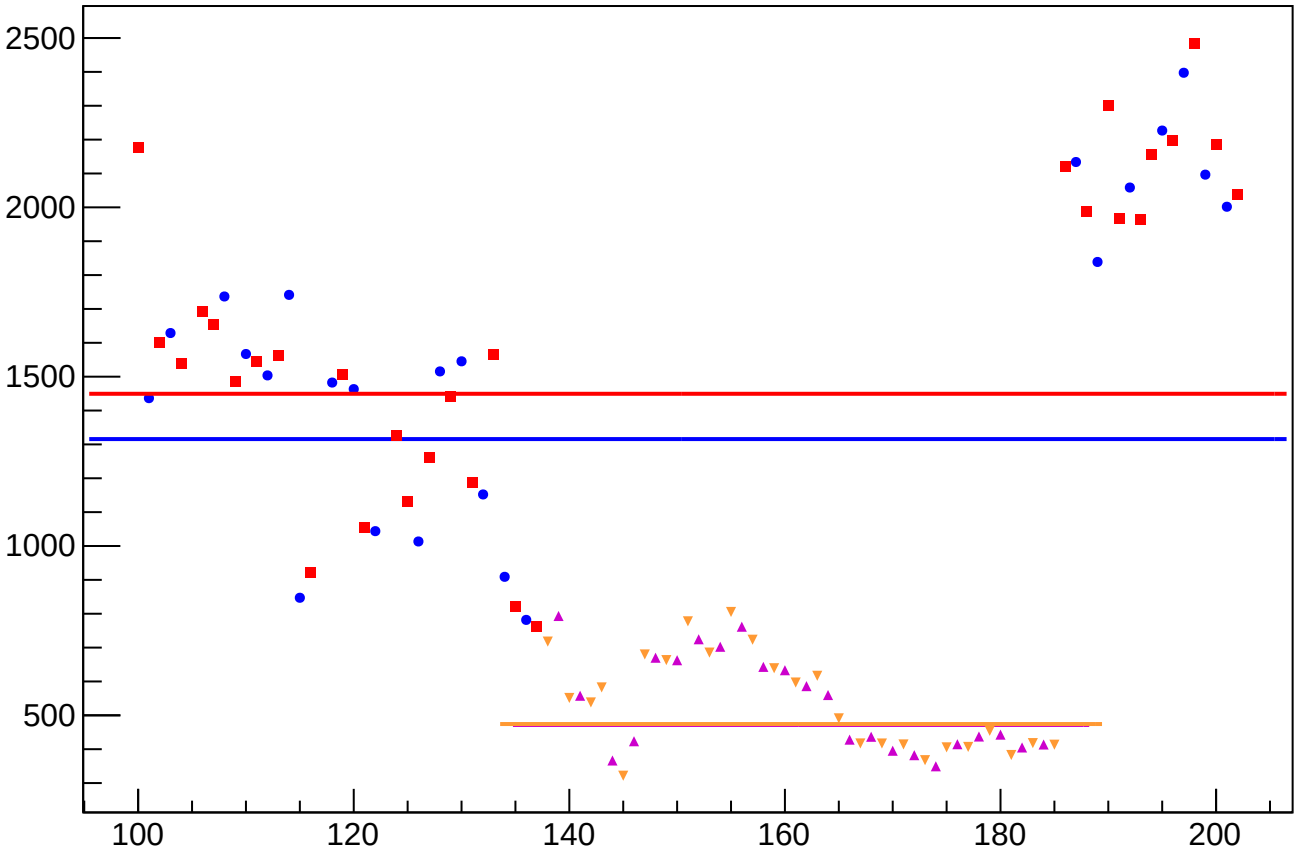
Right Out: -820.384+/-400.989 χ^2/NDF: 20.5/28

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -447.082+/-107.648 χ^2/NDF: 85.1/47

All: -282.789+/-76.887 χ^2/NDF: 144.4/99

- sign -111.696+/-109.853 χ^2/NDF: 54.6/51



Right In: 1315.737+/-0.283 χ^2/NDF: 2870762.7/22

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1449.478+/-0.284 χ^2/NDF: 2871040.5/28

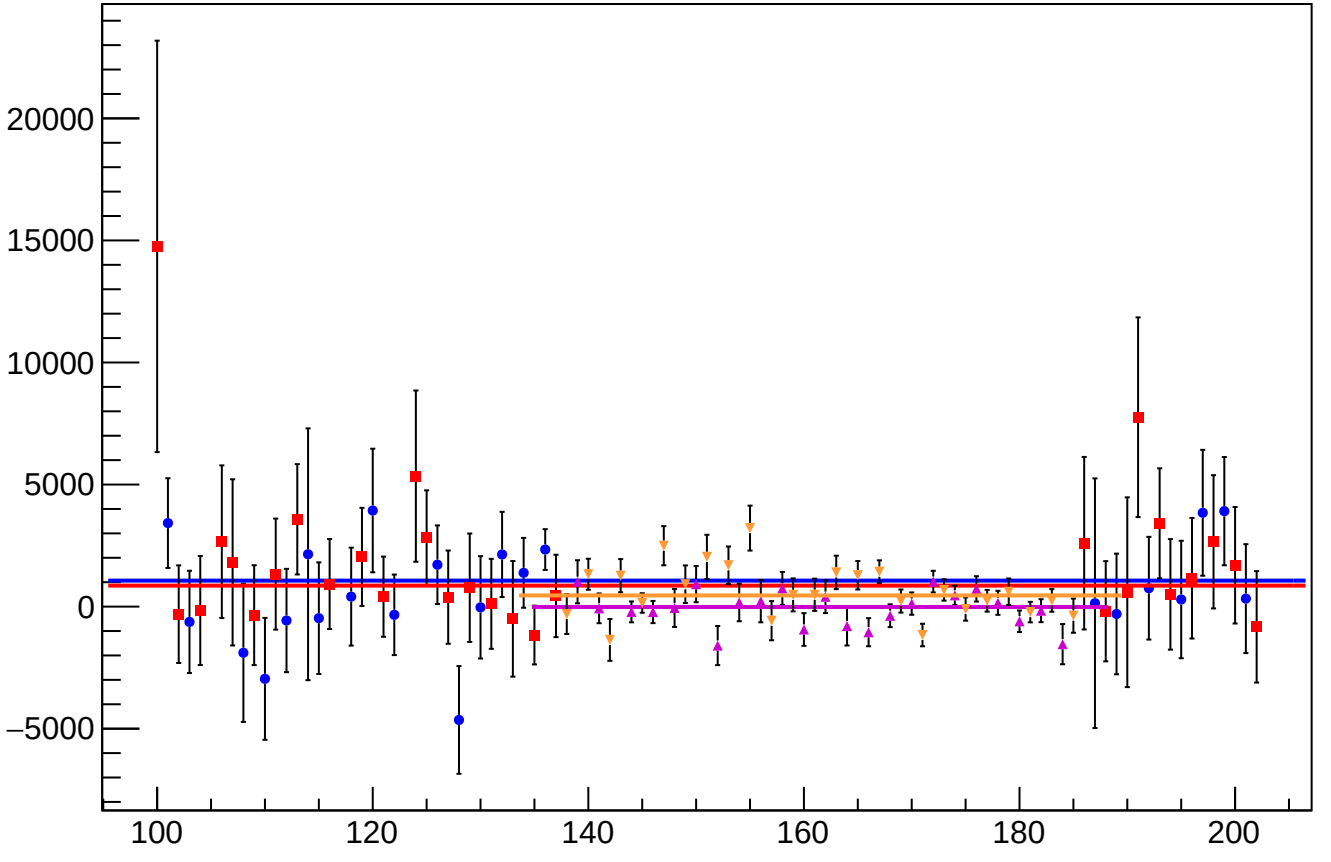
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 535.253+/-0.076 χ^2/NDF: 13621211.3/47

All: 539.958+/-0.054 χ^2/NDF: 29714128.5/99

- sign 544.858+/-0.078 χ^2/NDF: 16085117.0/51

asym_sam_3726_avg_mean vs Slug



Right In: 1064.879+/-399.700 χ^2/NDF: 22.5/22

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 860.526+/-407.063 χ^2/NDF: 17.8/28

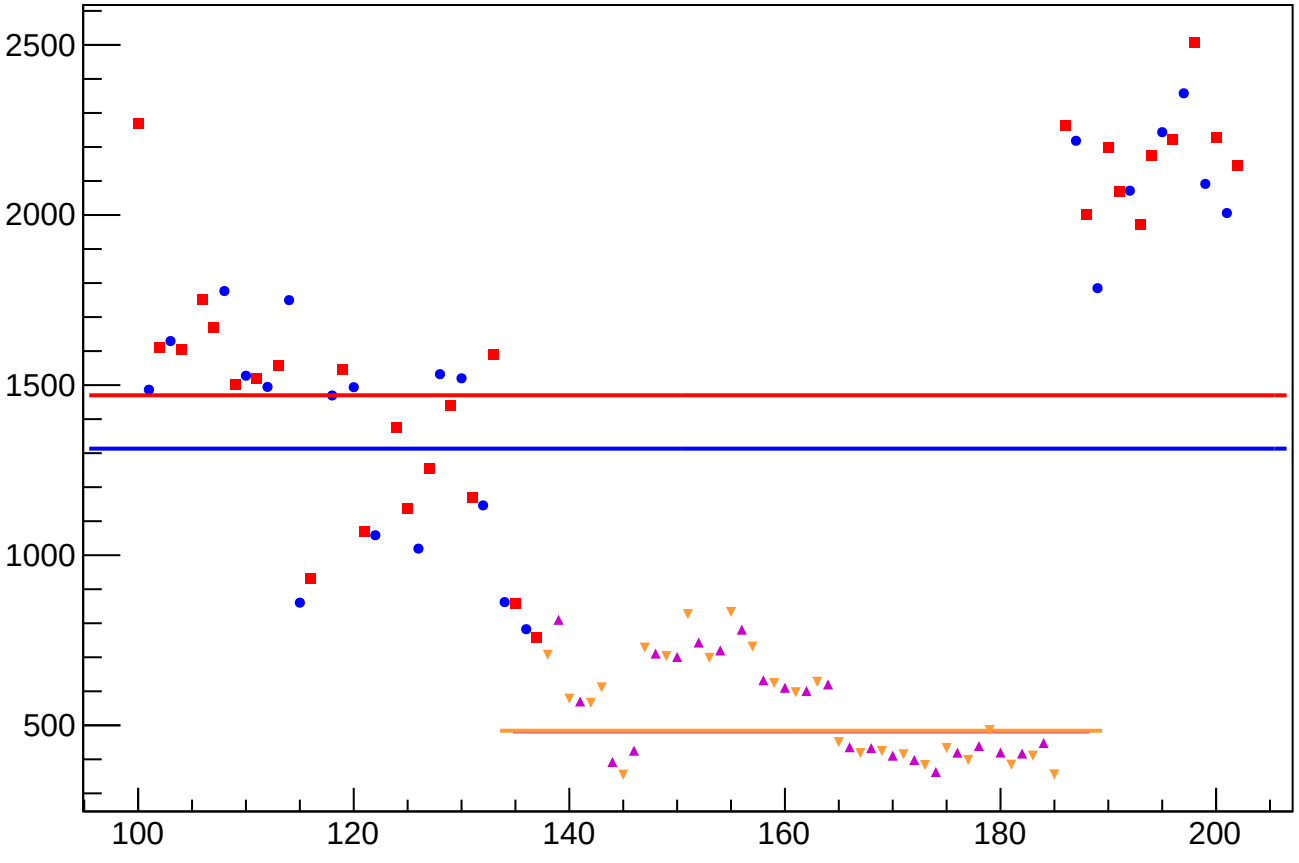
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 503.254+/-109.941 χ^2/NDF: 84.0/47

All: 281.892+/-78.520 χ^2/NDF: 144.7/99

- sign 51.412+/-112.182 χ^2/NDF: 52.4/51

asym_sam_3726_avg_rms vs Slug



Right In: 1313.245+/-0.283 χ^2/NDF: 2901688.6/22

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

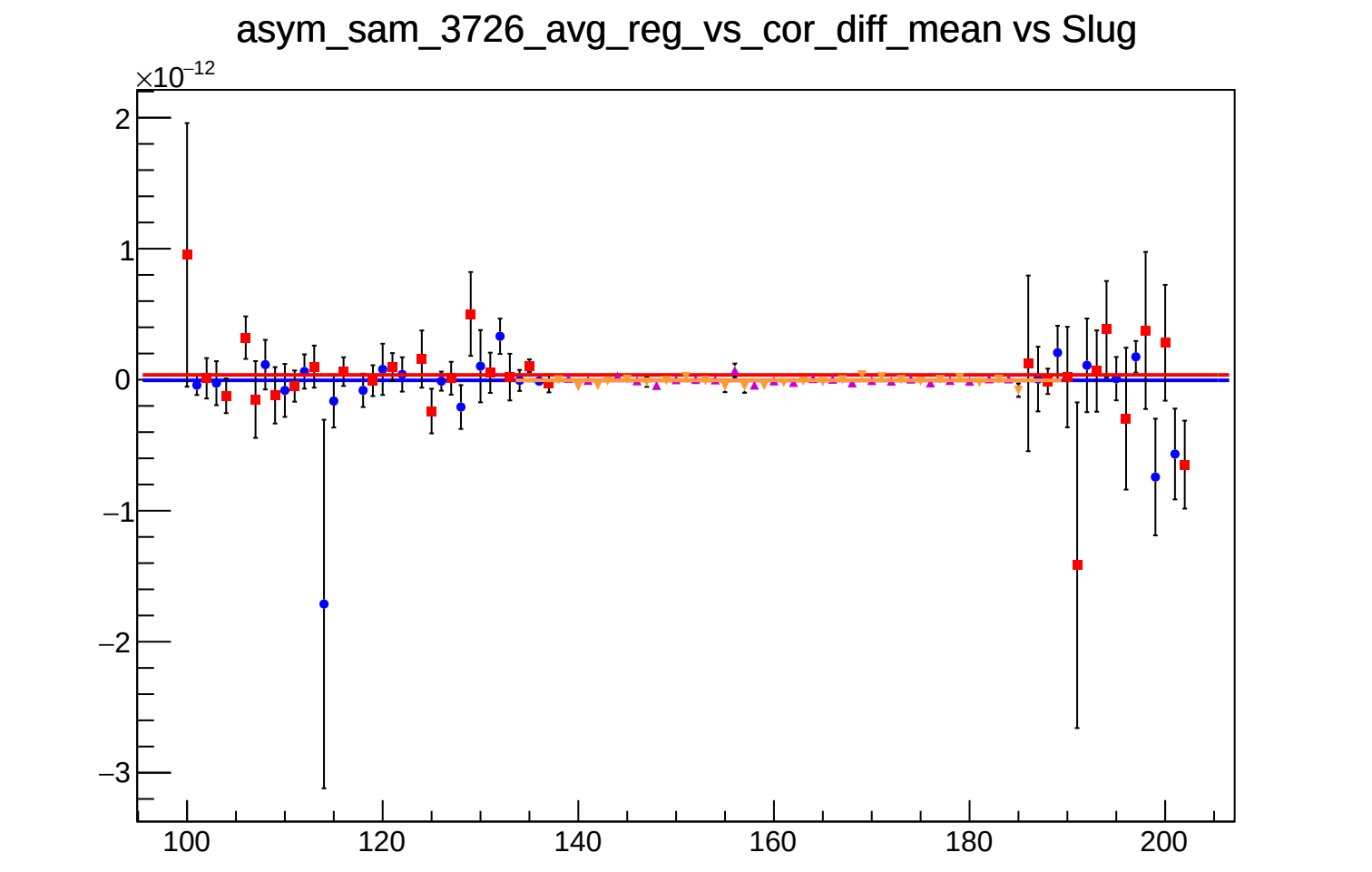
Right Out: 1470.077+/-0.288 χ^2/NDF: 2864486.2/28

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 546.856+/-0.078 χ^2/NDF: 13404896.0/47

All: 551.919+/-0.056 χ^2/NDF: 29350136.0/99

- sign 557.191+/-0.079 χ^2/NDF: 15936581.7/51



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/28

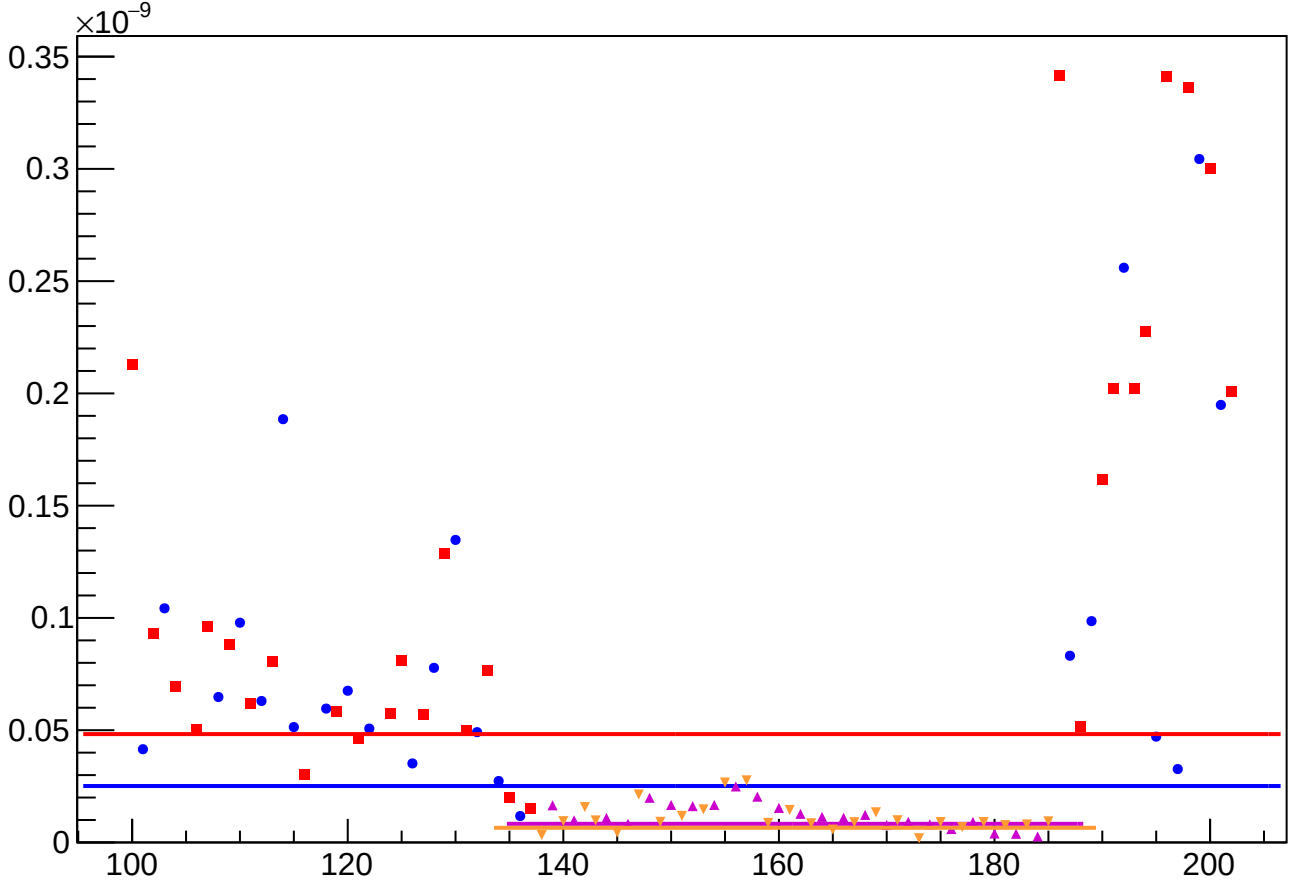
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.6/47

All: -0.000+/-0.000 χ^2/NDF: 92.4/99

- sign -0.000+/-0.000 χ^2/NDF: 40.8/51

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5406355.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5641365.7/28

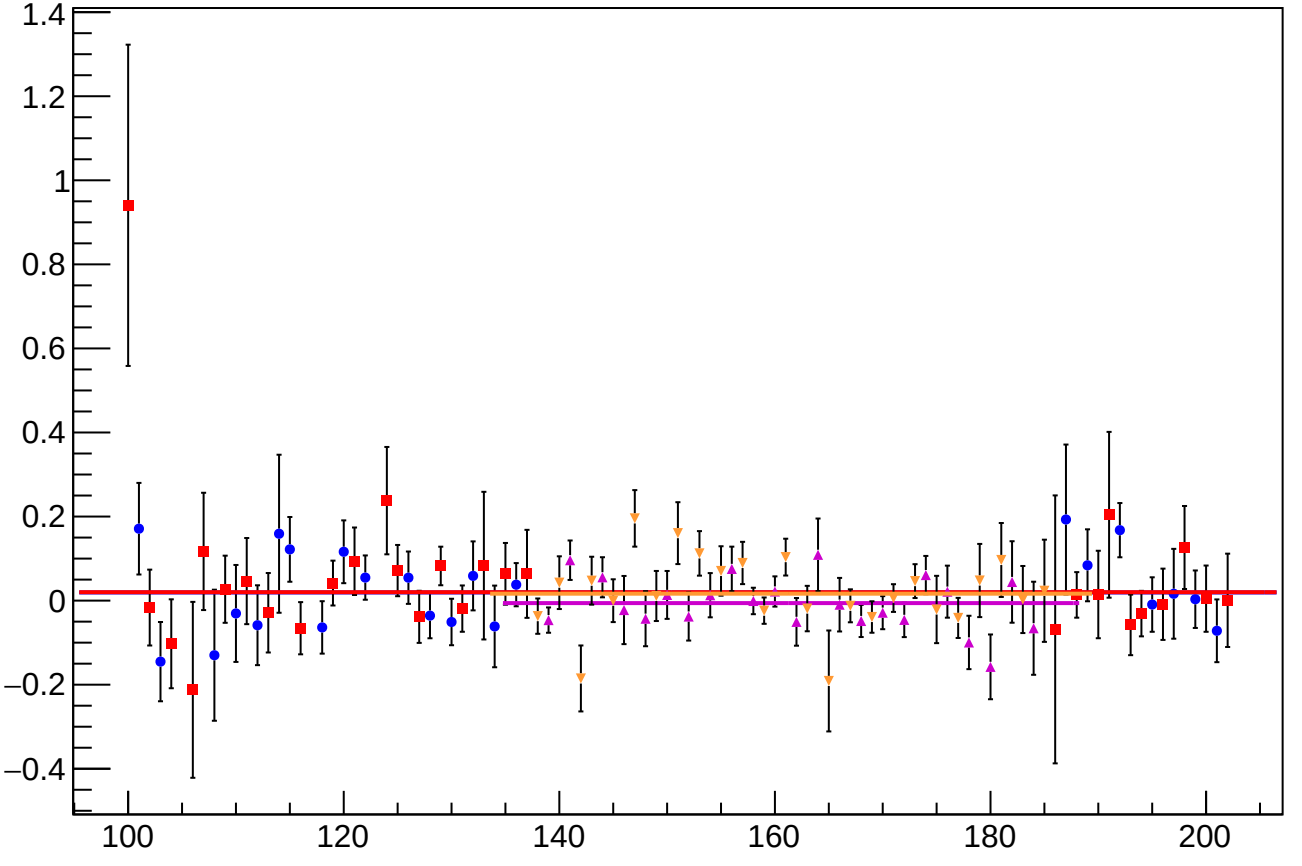
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11476976.1/47

All: 0.000+/-0.000 χ^2/NDF: 25002435.2/99

- sign 0.000+/-0.000 χ^2/NDF: 13189737.6/51

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.016 χ^2/NDF: 25.6/22

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.020+/-0.015 χ^2/NDF: 24.2/28

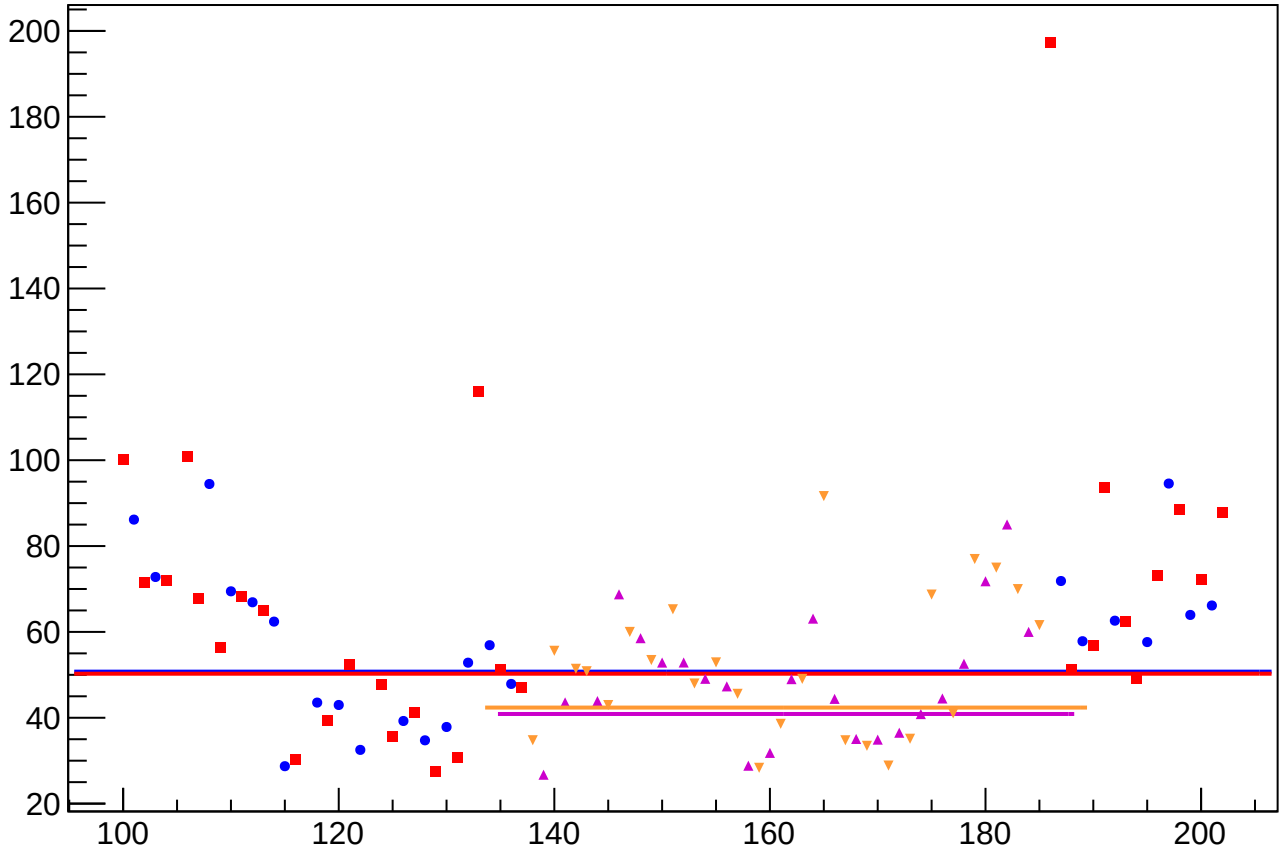
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.6/47

All: 0.010+/-0.006 χ^2/NDF: 120.4/99

- sign 0.003+/-0.008 χ^2/NDF: 52.2/51

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.743+/-0.011 χ^2/NDF: 2044445.7/22

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

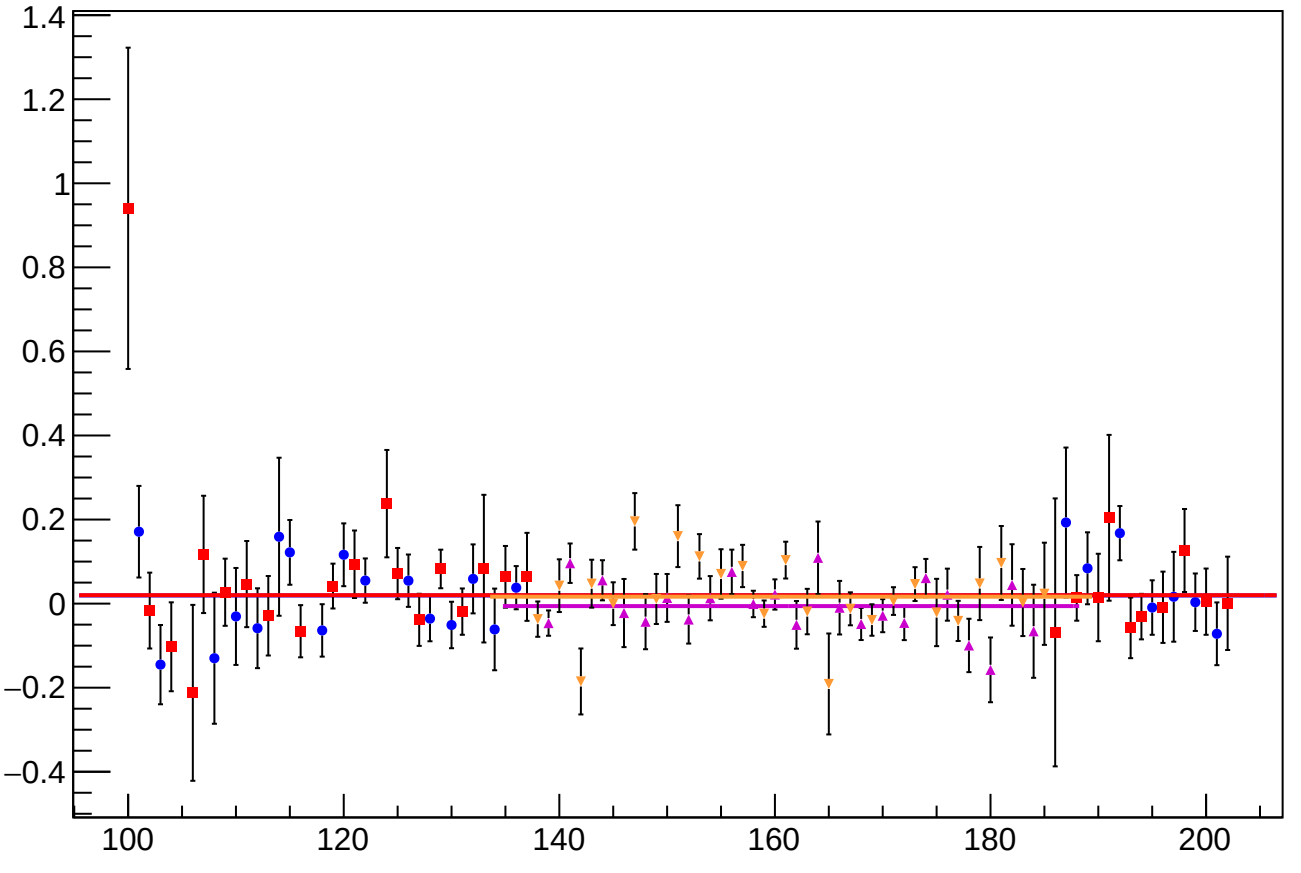
Right Out: 50.262+/-0.010 χ^2/NDF: 3395708.3/28

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.931+/-0.006 χ^2/NDF: 5634935.8/47

All: 44.432+/-0.004 χ^2/NDF: 12267854.7/99

- sign 43.956+/-0.006 χ^2/NDF: 6619843.2/51



Right In: 0.019+/-0.016 χ^2/NDF: 25.6/22

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

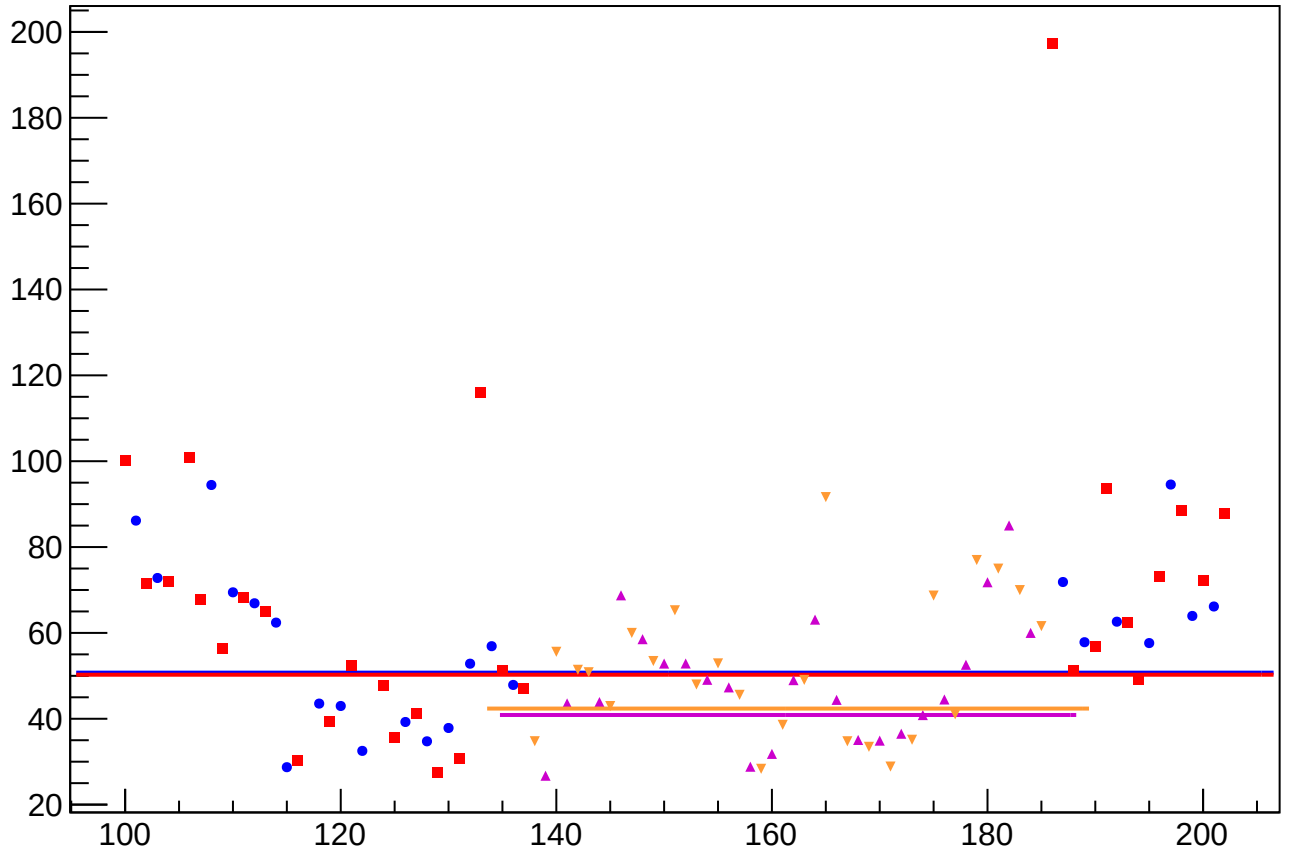
Right Out: 0.020+/-0.015 χ^2/NDF: 24.2/28

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.6/47

All: 0.010+/-0.006 χ^2/NDF: 120.4/99

- sign 0.003+/-0.008 χ^2/NDF: 52.2/51



Right In: 50.743+/-0.011 χ^2/NDF: 2044445.7/22

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

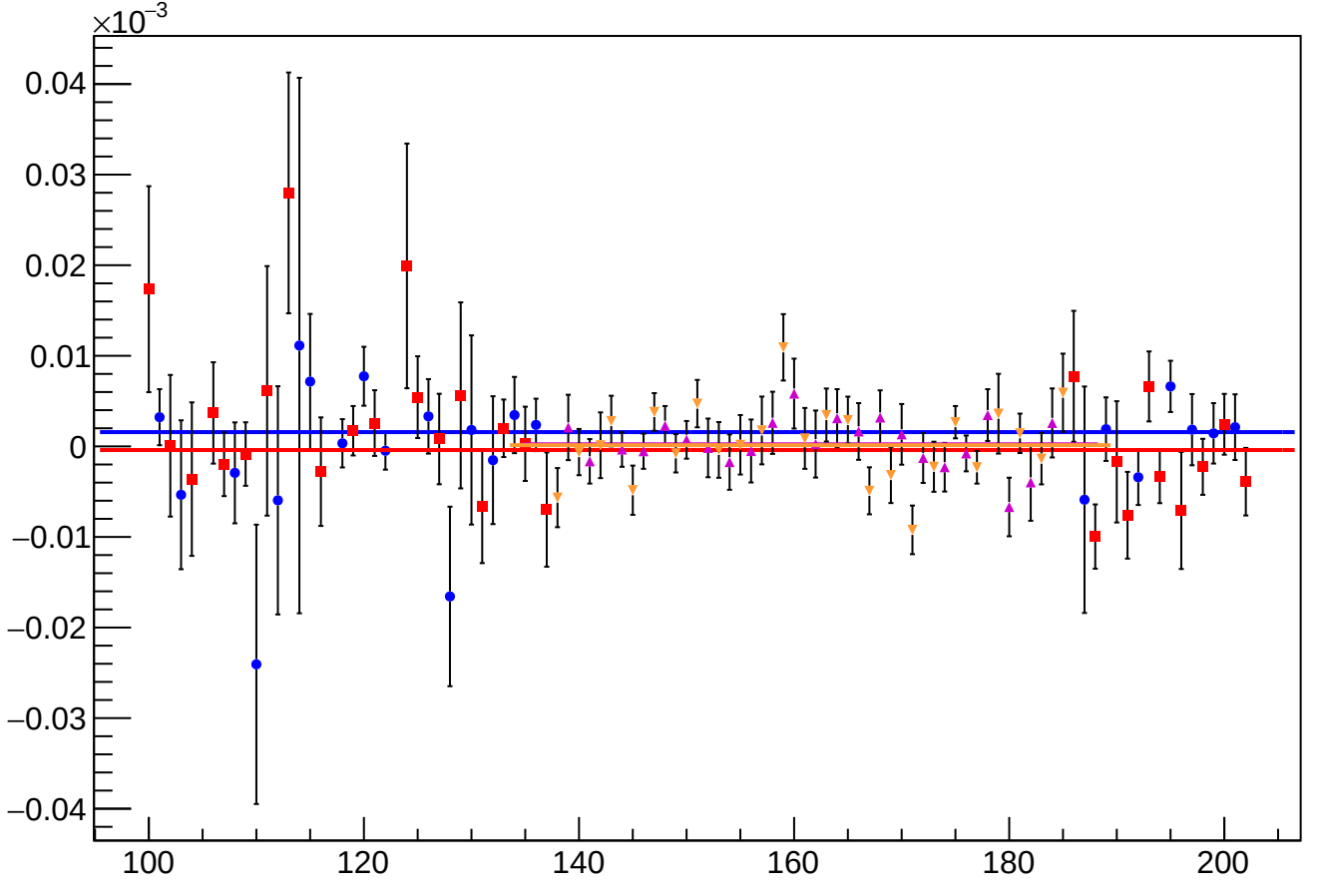
Right Out: 50.262+/-0.010 χ^2/NDF: 3395708.3/28

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.931+/-0.006 χ^2/NDF: 5634935.8/47

All: 44.432+/-0.004 χ^2/NDF: 12267854.7/99

- sign 43.956+/-0.006 χ^2/NDF: 6619843.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

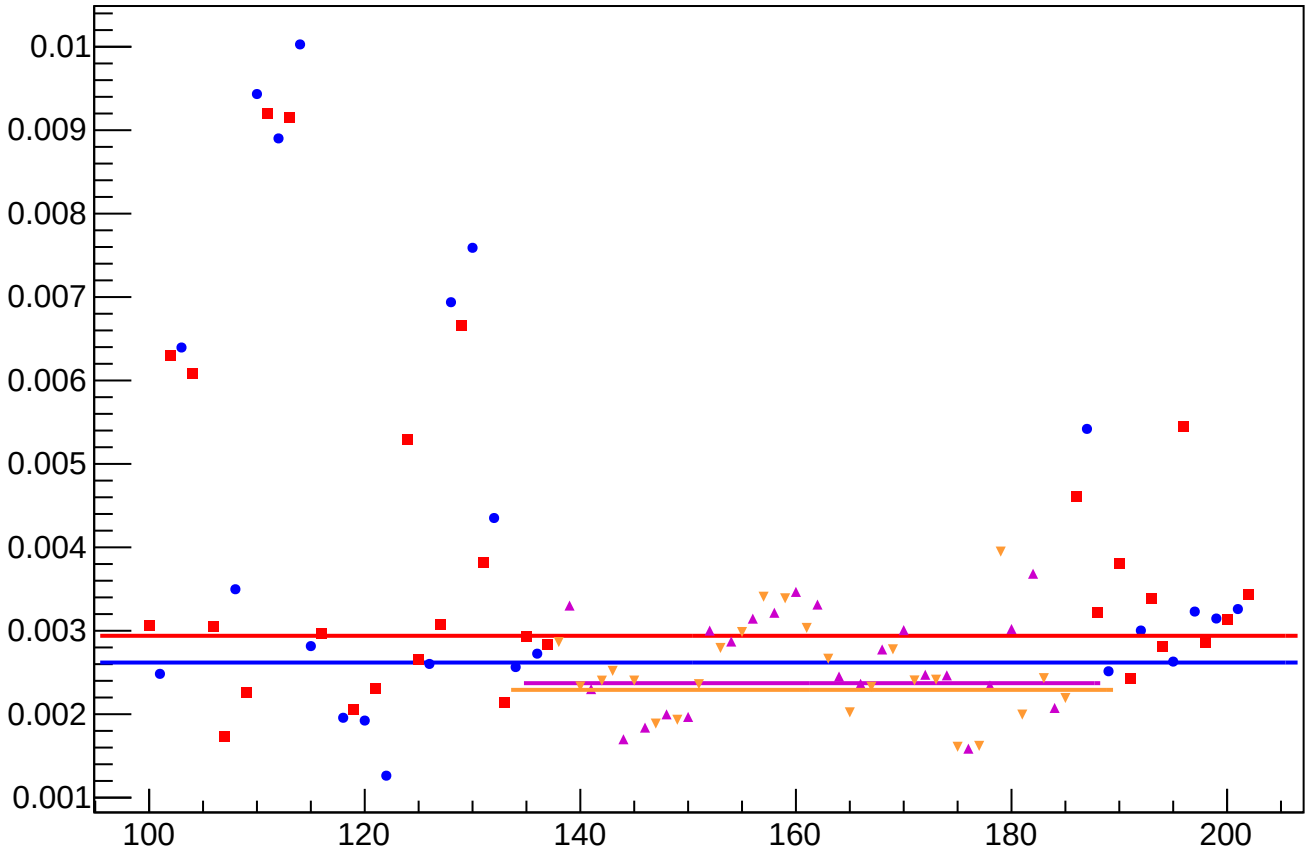
Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.5/47

All: 0.000+/-0.000 χ^2/NDF: 124.1/99

- sign 0.000+/-0.000 χ^2/NDF: 50.9/51



Right In: 0.003+/-0.000 χ^2/NDF: 3803122.8/22

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

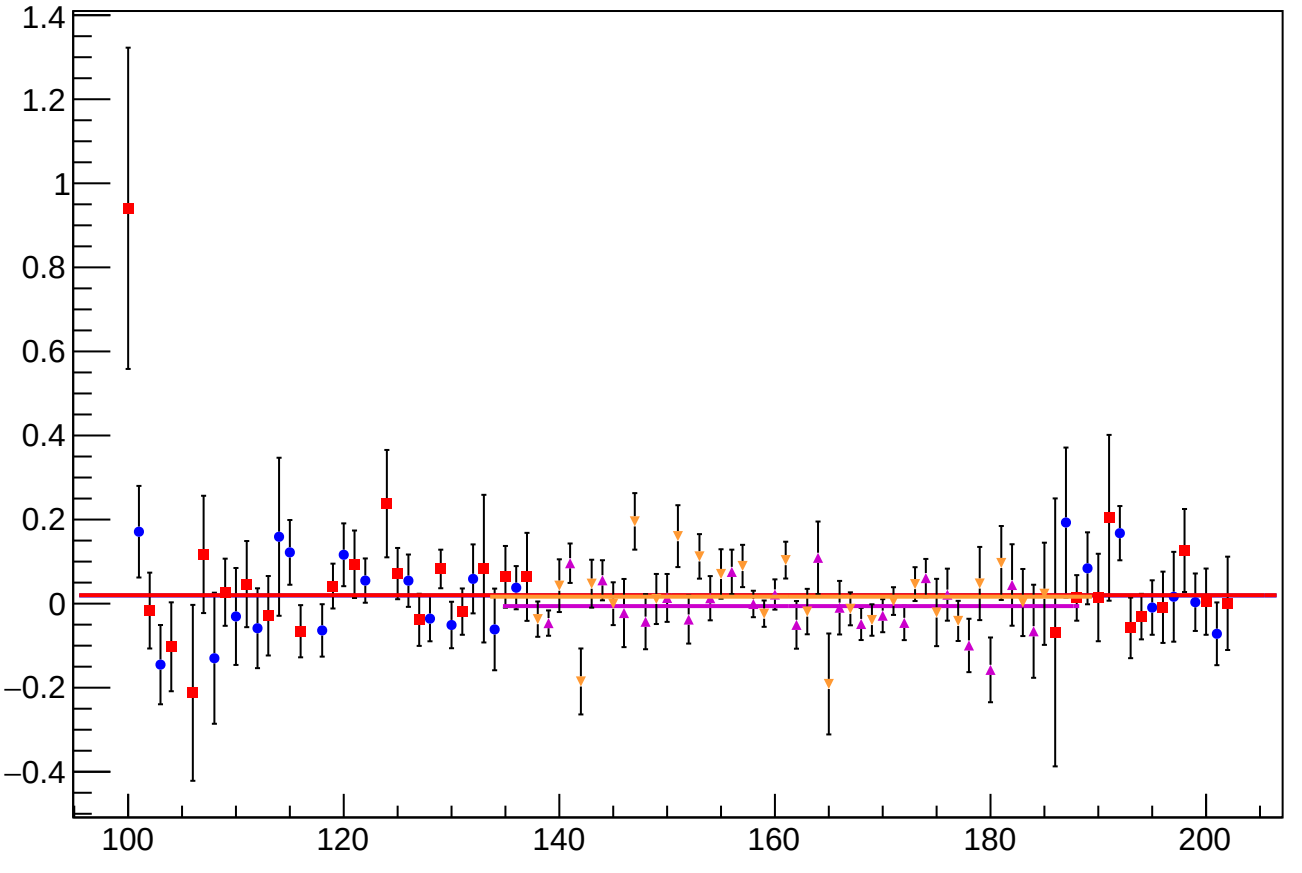
Right Out: 0.003+/-0.000 χ^2/NDF: 3127954.6/28

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5843599.3/47

All: 0.002+/-0.000 χ^2/NDF: 11746163.9/99

- sign 0.003+/-0.000 χ^2/NDF: 5773452.5/51



Right In: 0.019+/-0.016 χ^2/NDF: 25.6/22

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

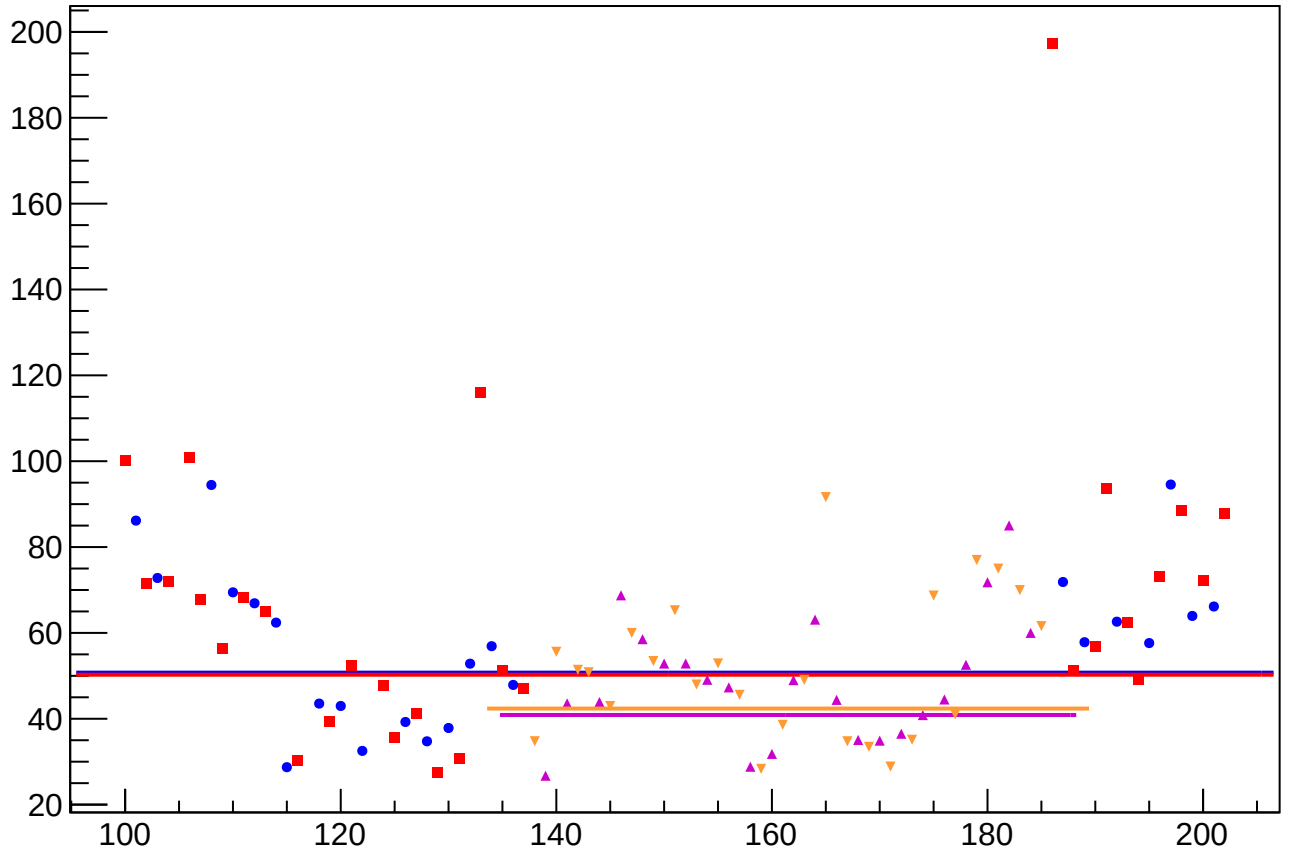
Right Out: 0.020+/-0.015 χ^2/NDF: 24.2/28

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.7/47

All: 0.010+/-0.006 χ^2/NDF: 120.4/99

- sign 0.003+/-0.008 χ^2/NDF: 52.2/51



Right In: 50.743+/-0.011 χ^2/NDF: 2044397.9/22

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 50.262+/-0.010 χ^2/NDF: 3395602.6/28

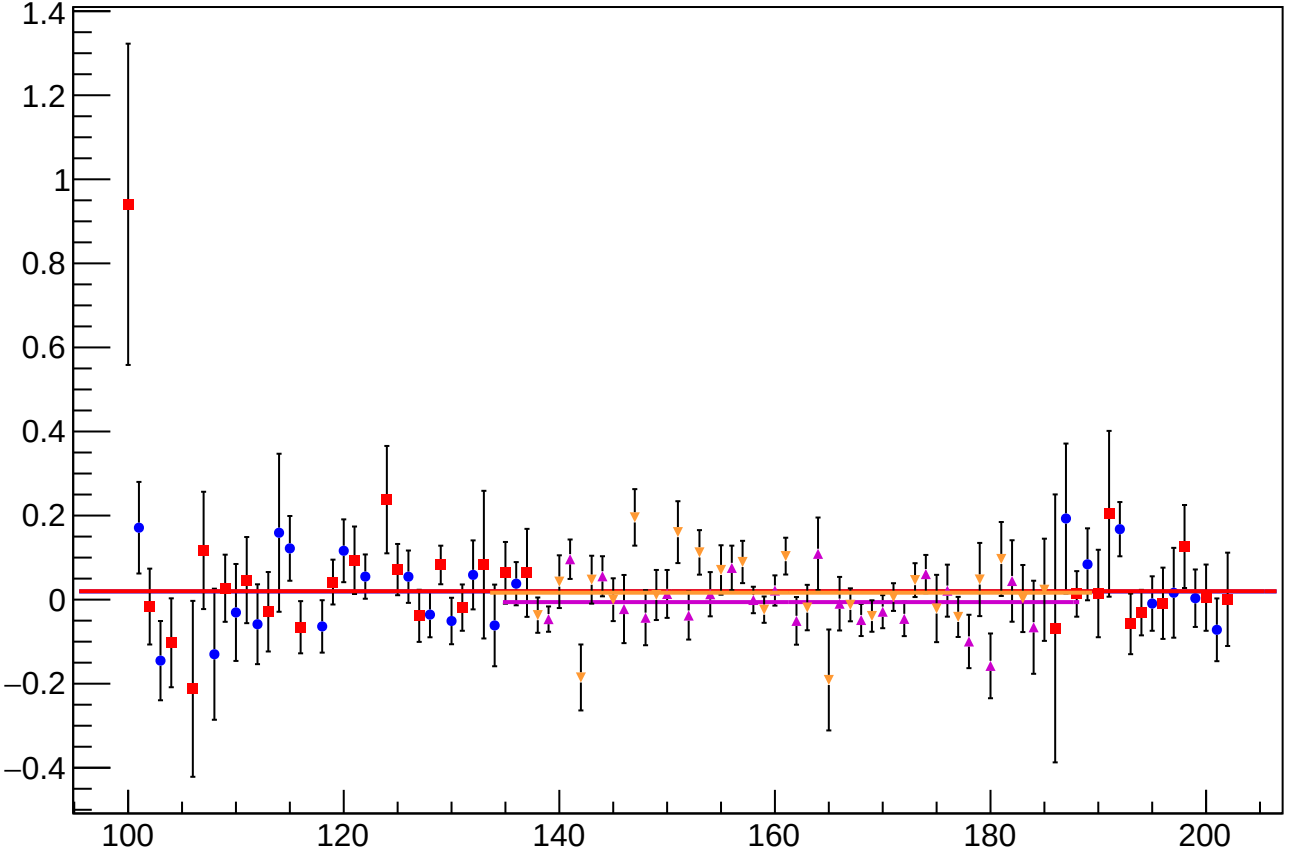
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.931+/-0.006 χ^2/NDF: 5634885.4/47

All: 44.433+/-0.004 χ^2/NDF: 12267700.1/99

- sign 43.956+/-0.006 χ^2/NDF: 6619742.2/51

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.016 χ^2/NDF: 25.6/22

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

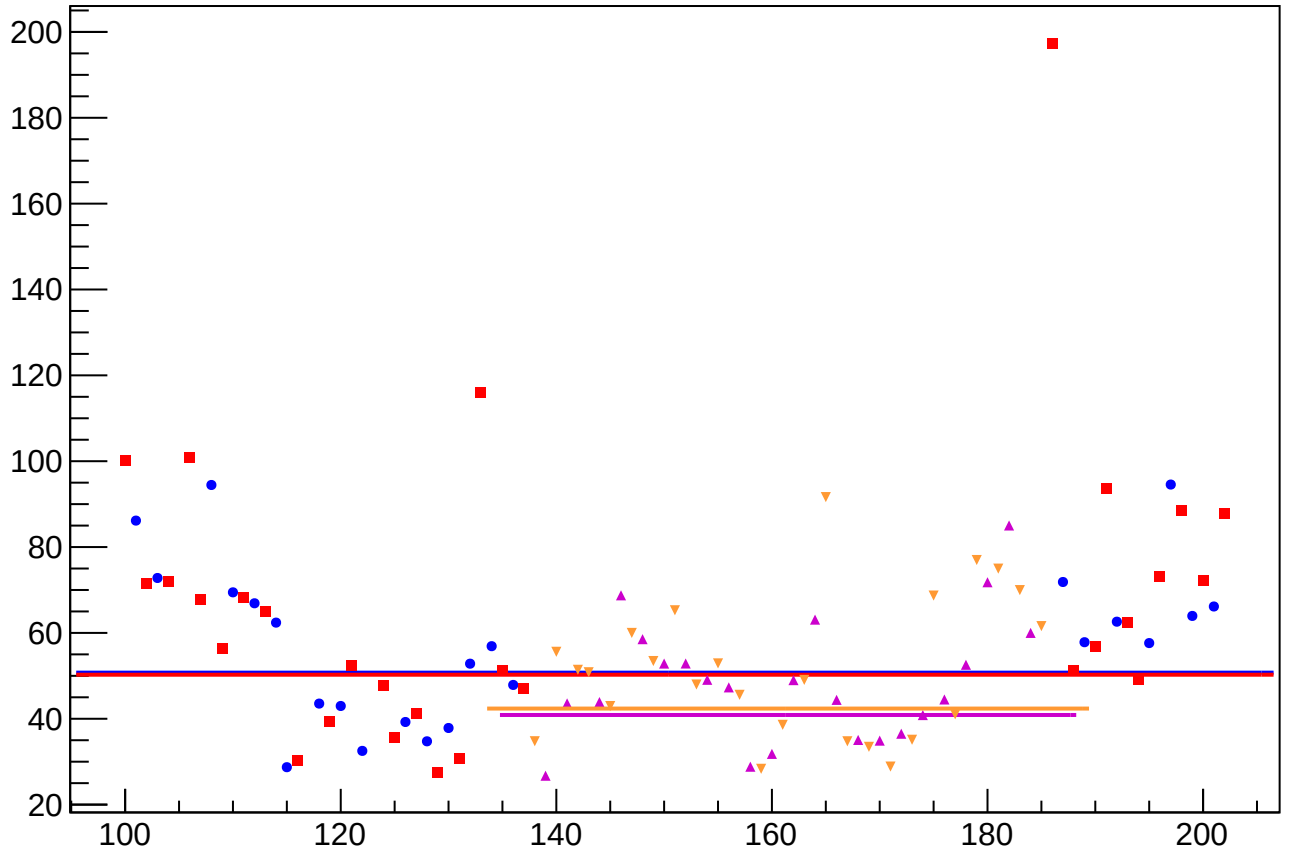
Right Out: 0.020+/-0.015 χ^2/NDF: 24.2/28

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.7/47

All: 0.010+/-0.006 χ^2/NDF: 120.4/99

- sign 0.003+/-0.008 χ^2/NDF: 52.2/51



Right In: 50.743+/-0.011 χ^2/NDF: 2044397.9/22

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

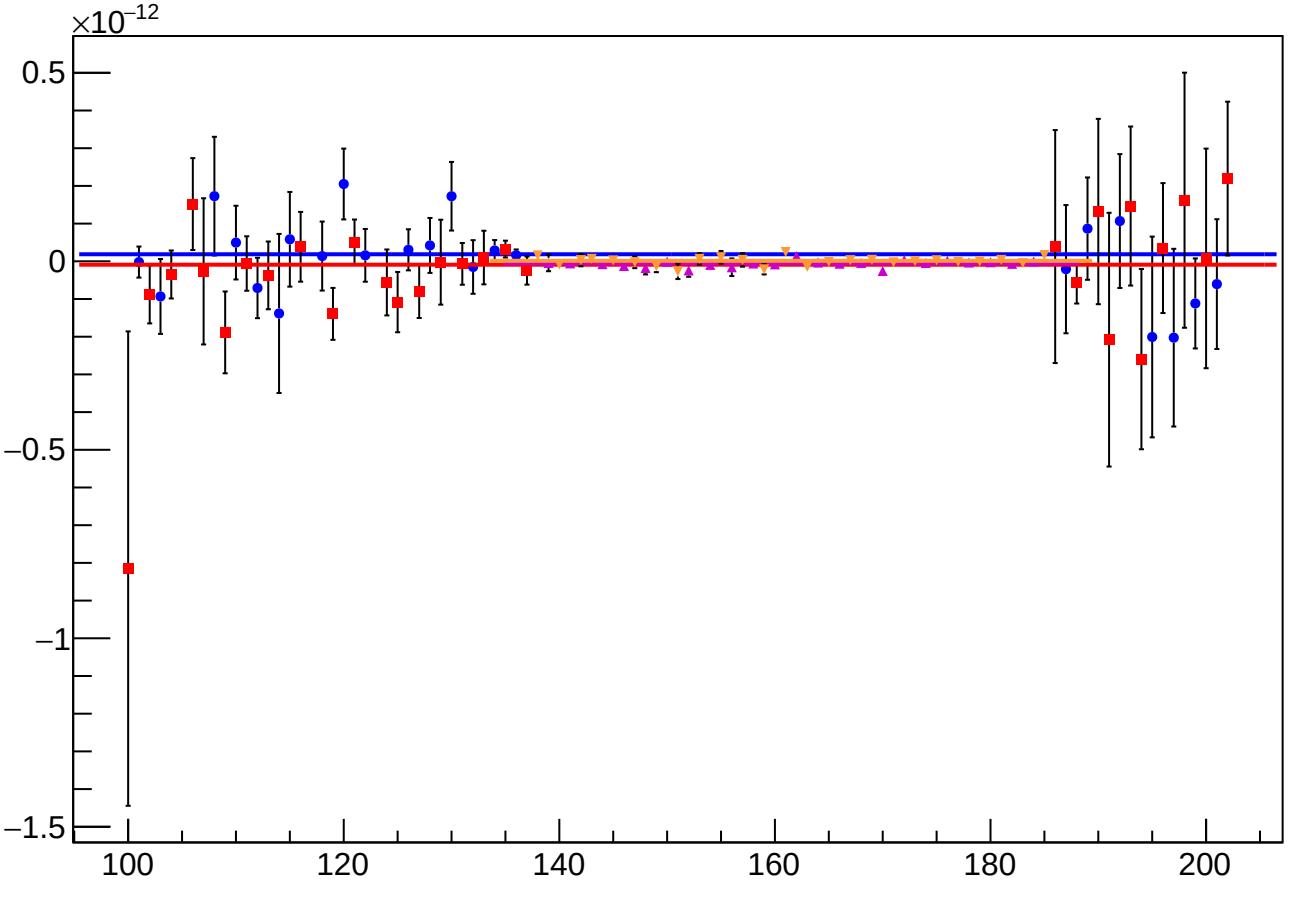
Right Out: 50.262+/-0.010 χ^2/NDF: 3395602.6/28

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.931+/-0.006 χ^2/NDF: 5634885.4/47

All: 44.433+/-0.004 χ^2/NDF: 12267700.1/99

- sign 43.956+/-0.006 χ^2/NDF: 6619742.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

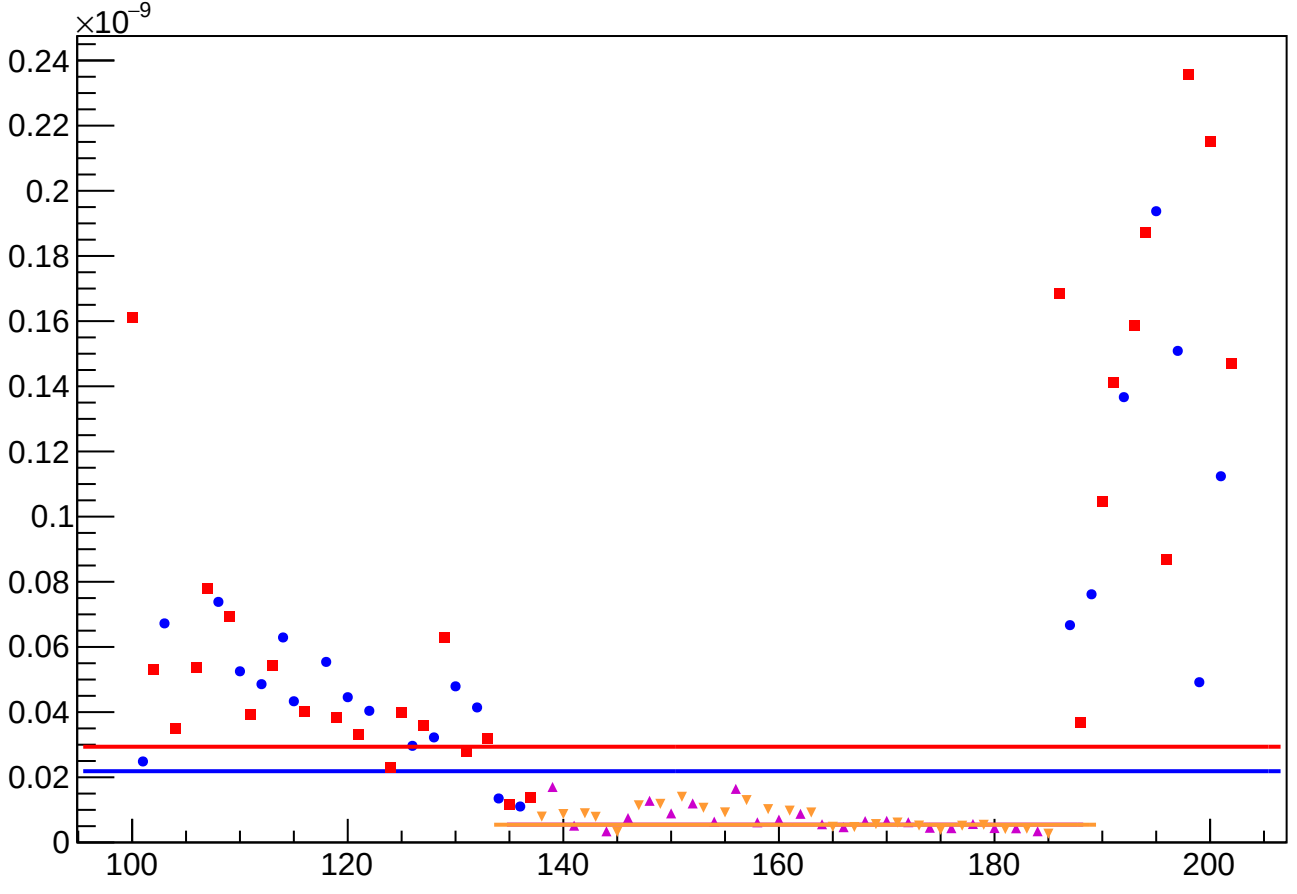
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/28

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/47

All: -0.000+/-0.000 χ^2/NDF: 82.2/99

- sign -0.000+/-0.000 χ^2/NDF: 36.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 6706056.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7782544.6/28

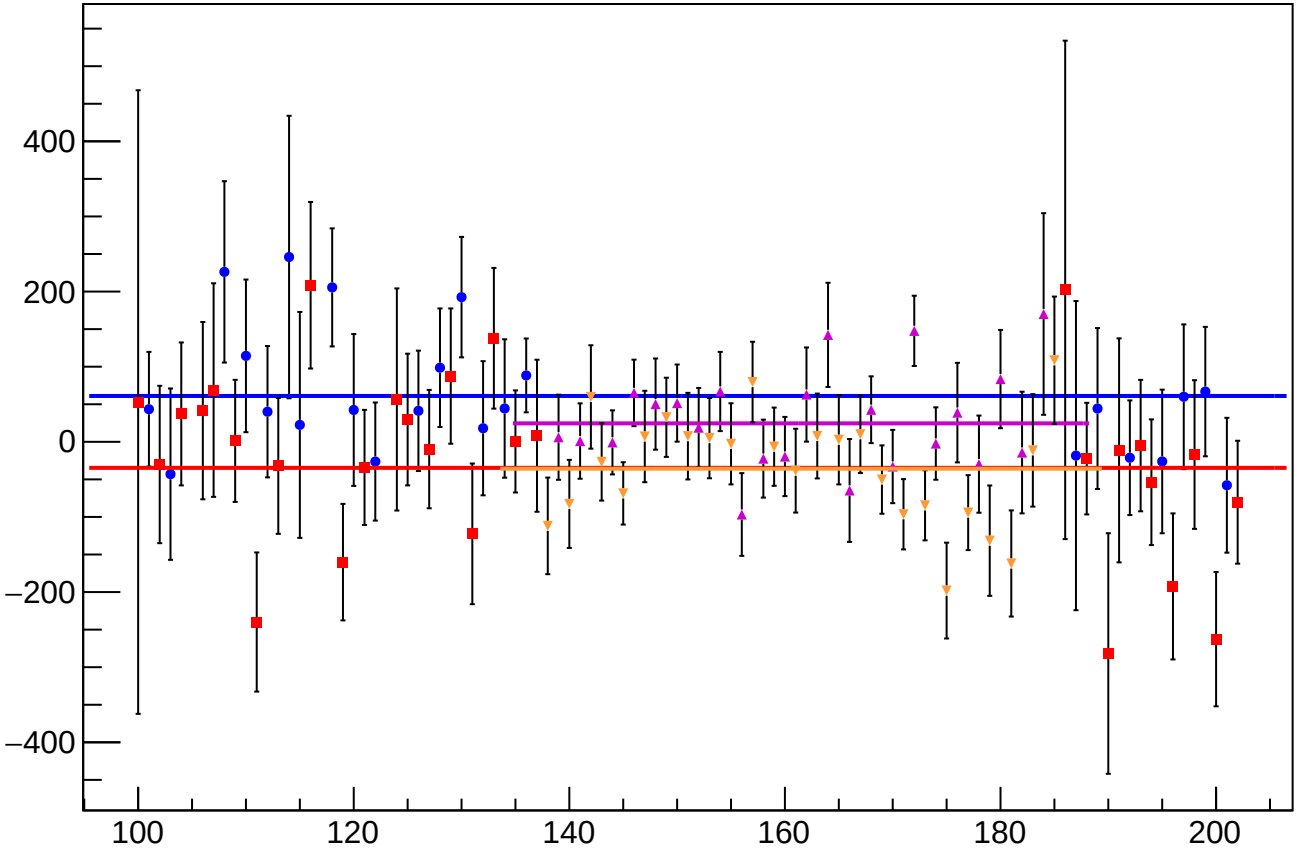
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 14843368.8/47

All: 0.000+/-0.000 χ^2/NDF: 31945112.3/99

- sign 0.000+/-0.000 χ^2/NDF: 17099981.8/51

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 61.043+/-18.484 χ^2/NDF: 16.3/22

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -34.648+/-17.760 χ^2/NDF: 34.3/28

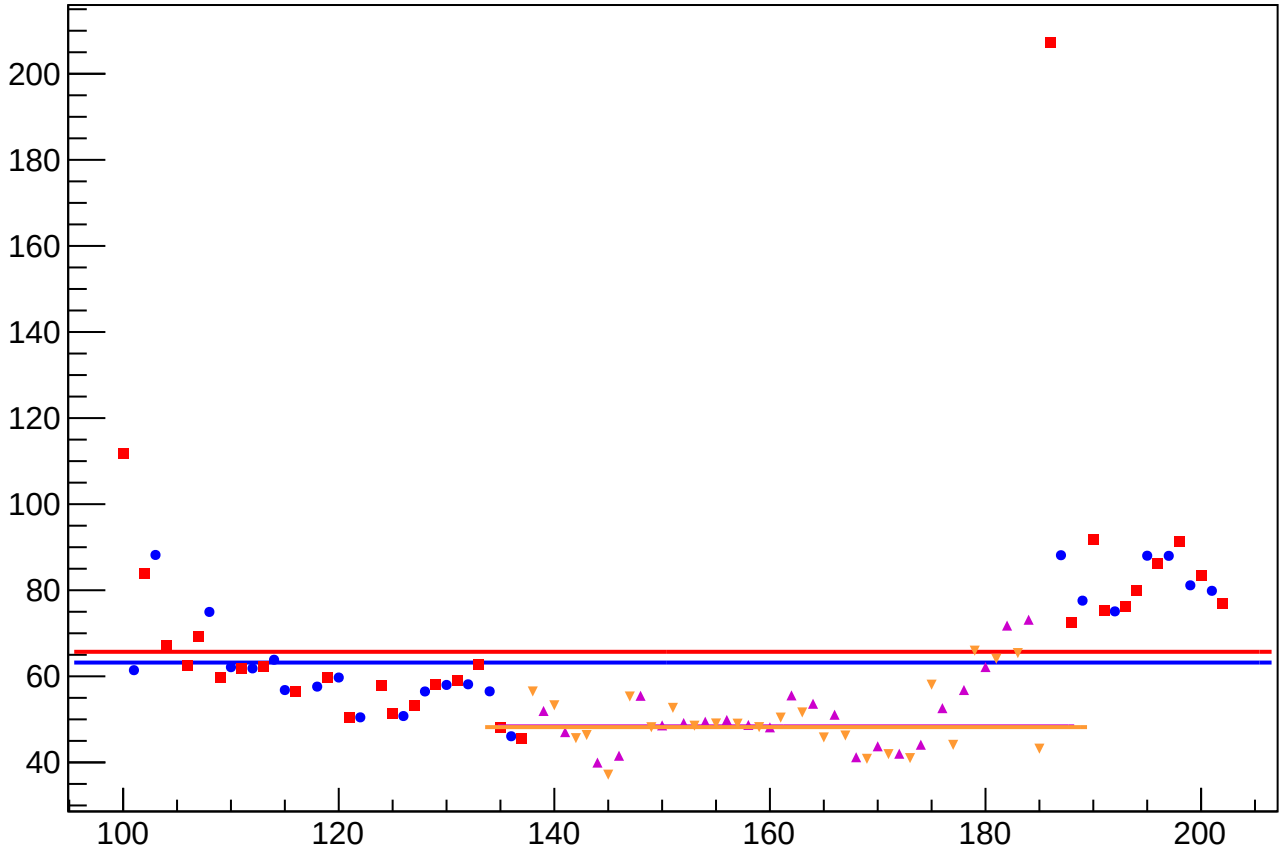
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -10.056+/-9.528 χ^2/NDF: 70.1/47

All: -1.555+/-6.775 χ^2/NDF: 139.6/99

- sign 7.139+/-9.636 χ^2/NDF: 67.9/51

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 63.200+/-0.013 χ^2/NDF: 1053317.7/22

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

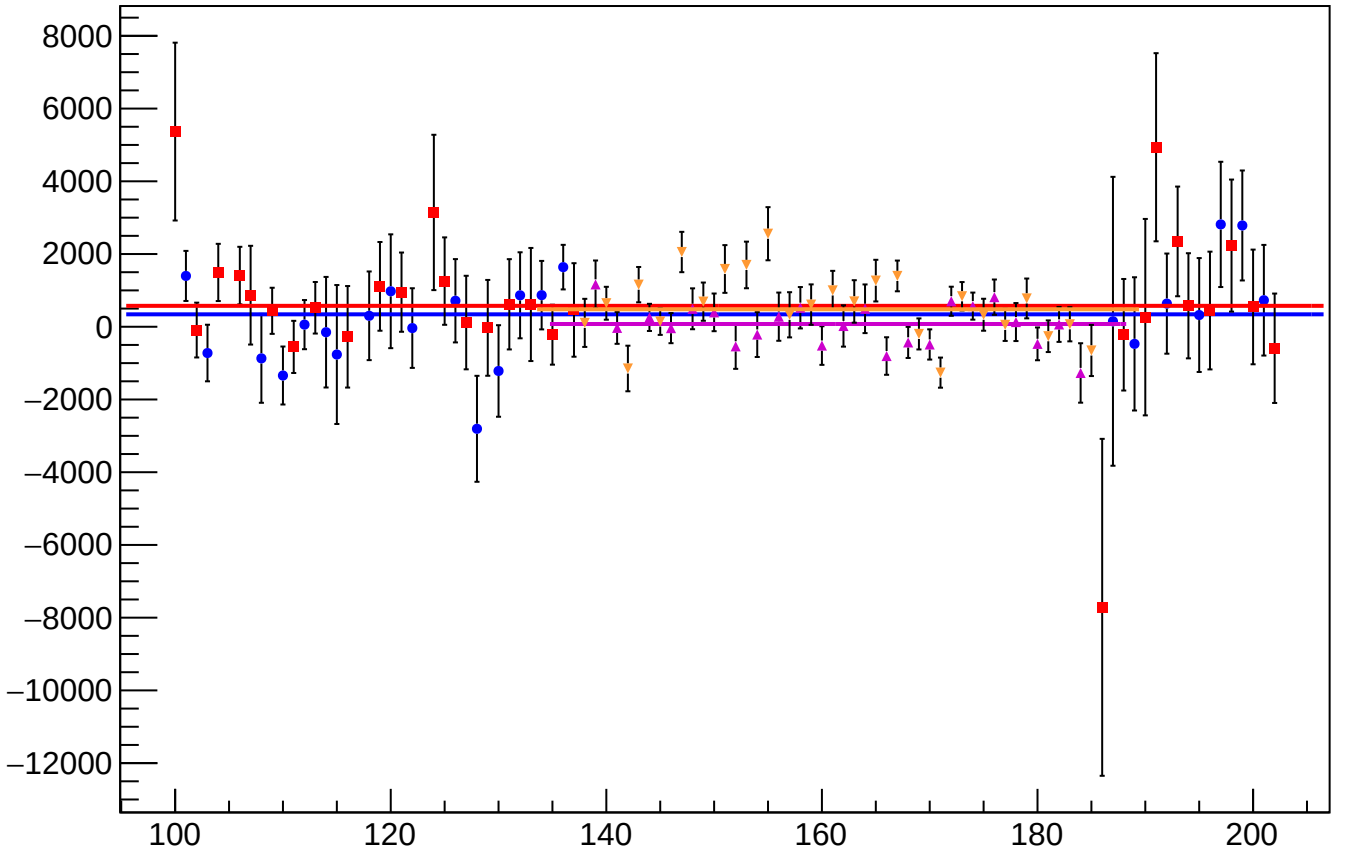
Right Out: 65.699+/-0.013 χ^2/NDF: 1425897.5/28

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.185+/-0.007 χ^2/NDF: 2800918.4/47

All: 52.824+/-0.005 χ^2/NDF: 6282392.1/99

- sign 53.479+/-0.007 χ^2/NDF: 3463239.0/51



Right In: 341.743+/-225.371 χ^2/NDF: 26.8/22

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 575.233+/-210.490 χ^2/NDF: 22.5/28

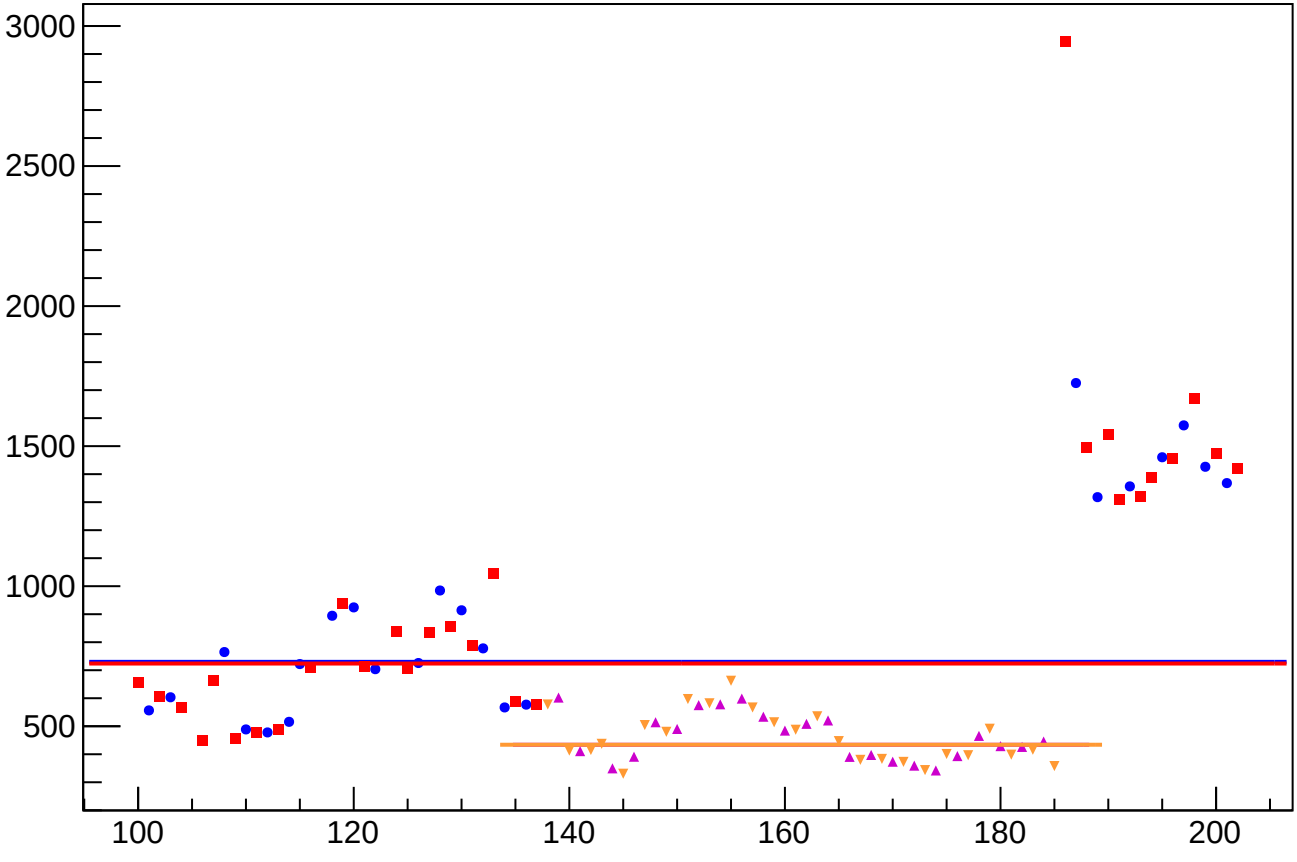
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 457.237+/-91.807 χ^2/NDF: 96.4/47

All: 316.043+/-65.199 χ^2/NDF: 152.7/99

- sign 172.368+/-92.610 χ^2/NDF: 51.5/51

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 729.852+/-0.159 χ^2/NDF: 3479364.1/22

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 723.850+/-0.149 χ^2/NDF: 5282991.2/28

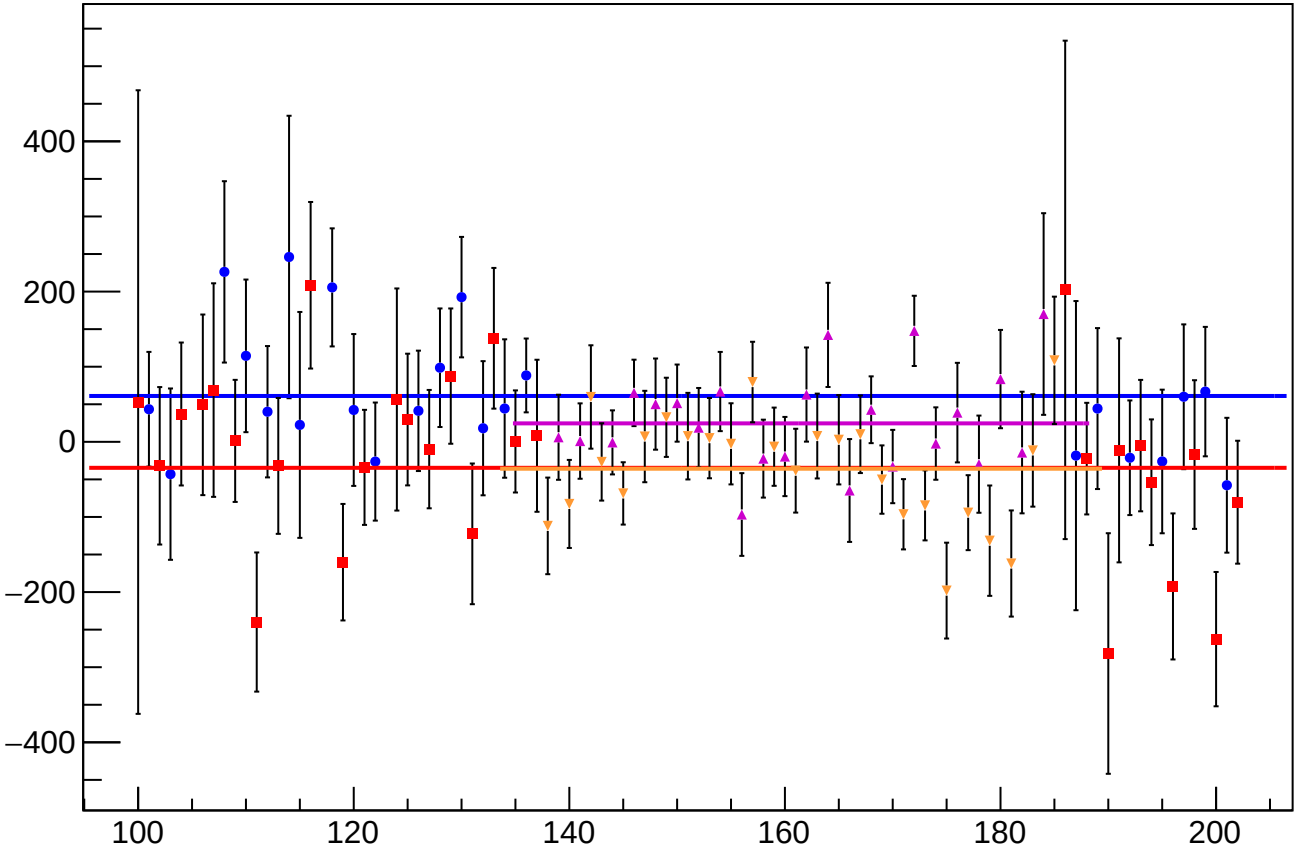
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 483.048+/-0.065 χ^2/NDF: 7598761.4/47

All: 486.437+/-0.046 χ^2/NDF: 17046190.5/99

- sign 489.884+/-0.065 χ^2/NDF: 9441933.5/51

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 61.047+/-18.484 χ^2/NDF: 16.3/22

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -34.592+/-17.768 χ^2/NDF: 34.3/28

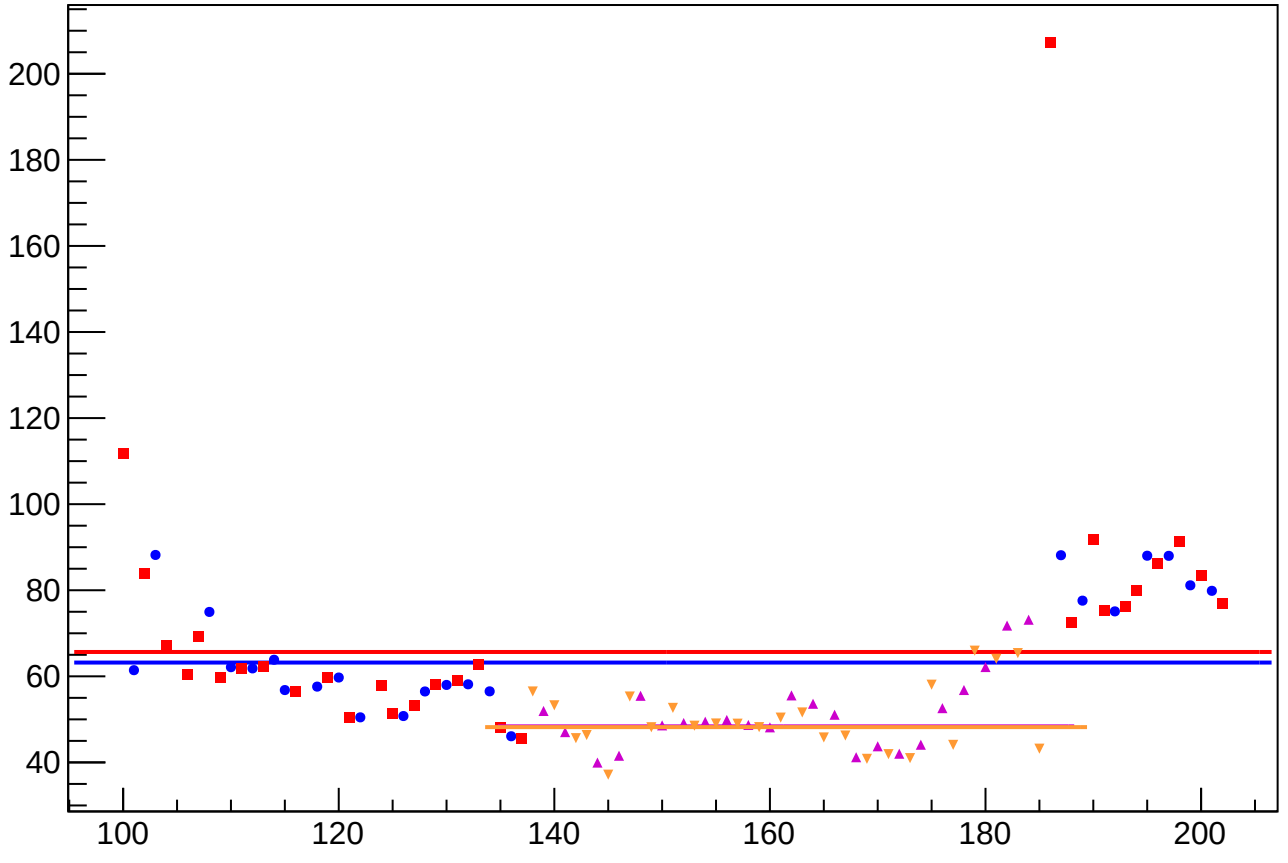
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -10.059+/-9.528 χ^2/NDF: 70.1/47

All: -1.544+/-6.776 χ^2/NDF: 139.6/99

- sign 7.167+/-9.637 χ^2/NDF: 67.9/51

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 63.200+/-0.013 χ^2/NDF: 1053321.0/22

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

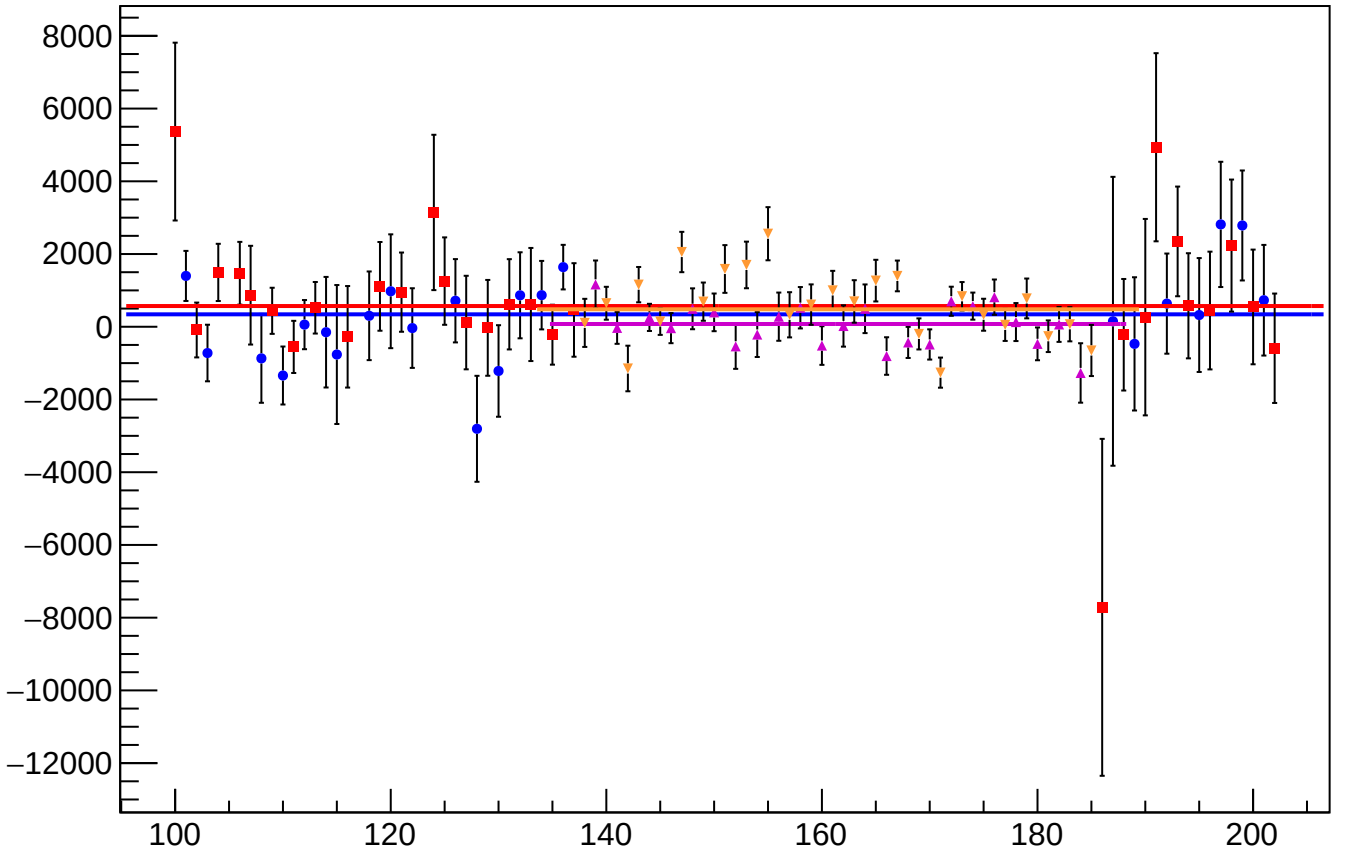
Right Out: 65.658+/-0.013 χ^2/NDF: 1428426.8/28

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.185+/-0.007 χ^2/NDF: 2800922.3/47

All: 52.817+/-0.005 χ^2/NDF: 6277299.8/99

- sign 53.463+/-0.007 χ^2/NDF: 3458571.1/51



Right In: 341.777+/-225.372 χ^2/NDF: 26.8/22

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 569.884+/-211.689 χ^2/NDF: 22.5/28

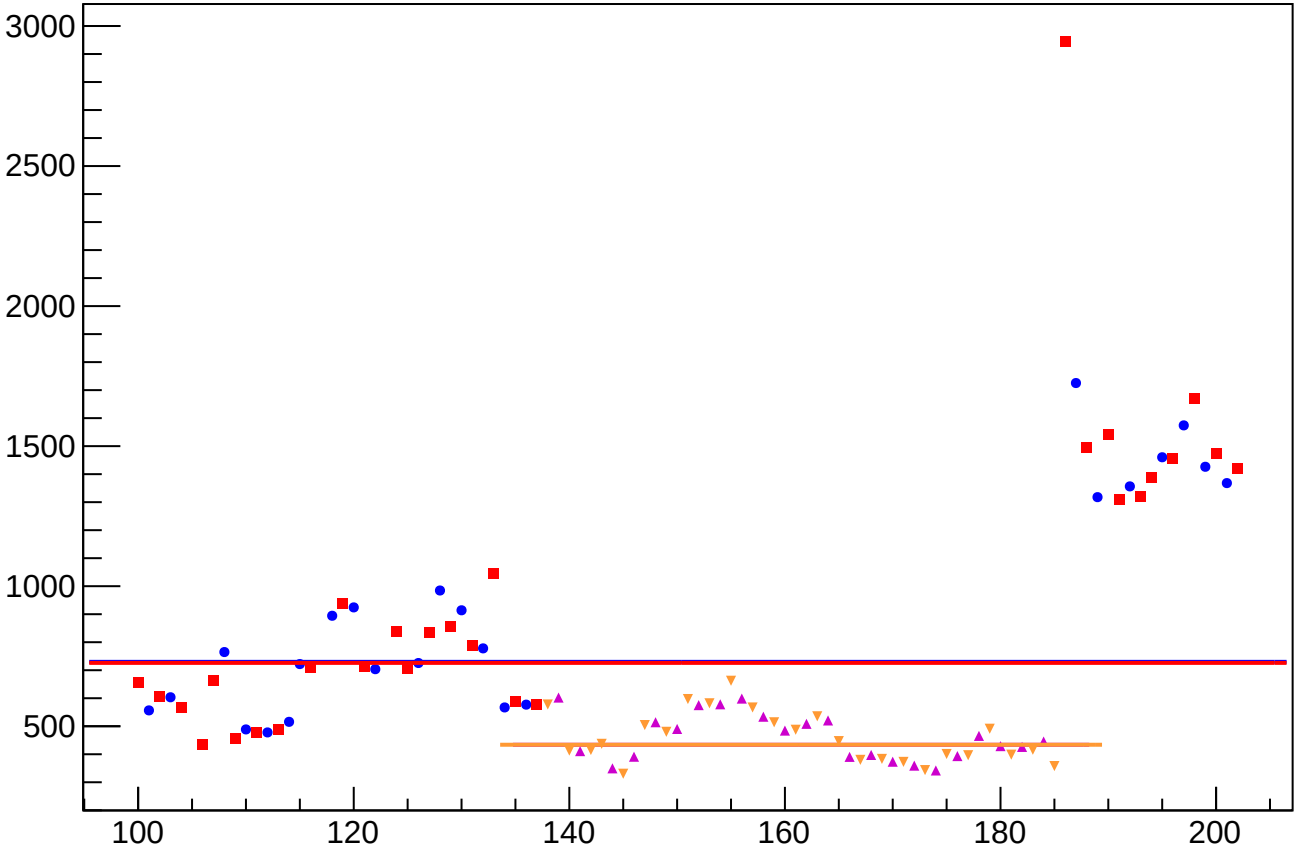
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 457.239+/-91.807 χ^2/NDF: 96.4/47

All: 315.256+/-65.235 χ^2/NDF: 152.6/99

- sign 170.461+/-92.712 χ^2/NDF: 51.4/51

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 729.858+/-0.159 χ^2/NDF: 3479318.4/22

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 726.224+/-0.150 χ^2/NDF: 5263843.4/28

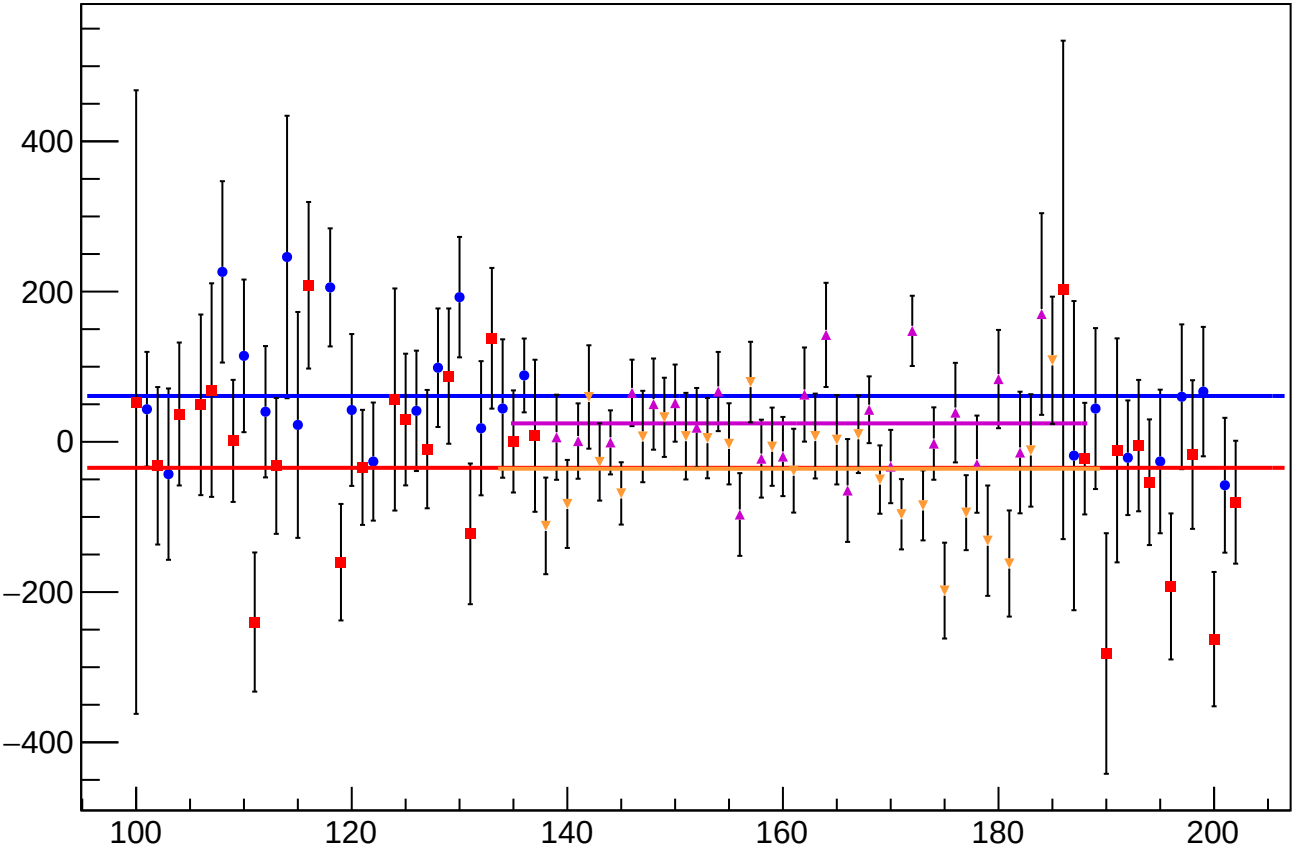
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 483.049+/-0.065 χ^2/NDF: 7598788.6/47

All: 486.405+/-0.046 χ^2/NDF: 17048880.2/99

- sign 489.827+/-0.066 χ^2/NDF: 9444694.5/51

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 61.047+/-18.484 χ^2/NDF: 16.3/22

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -34.592+/-17.768 χ^2/NDF: 34.3/28

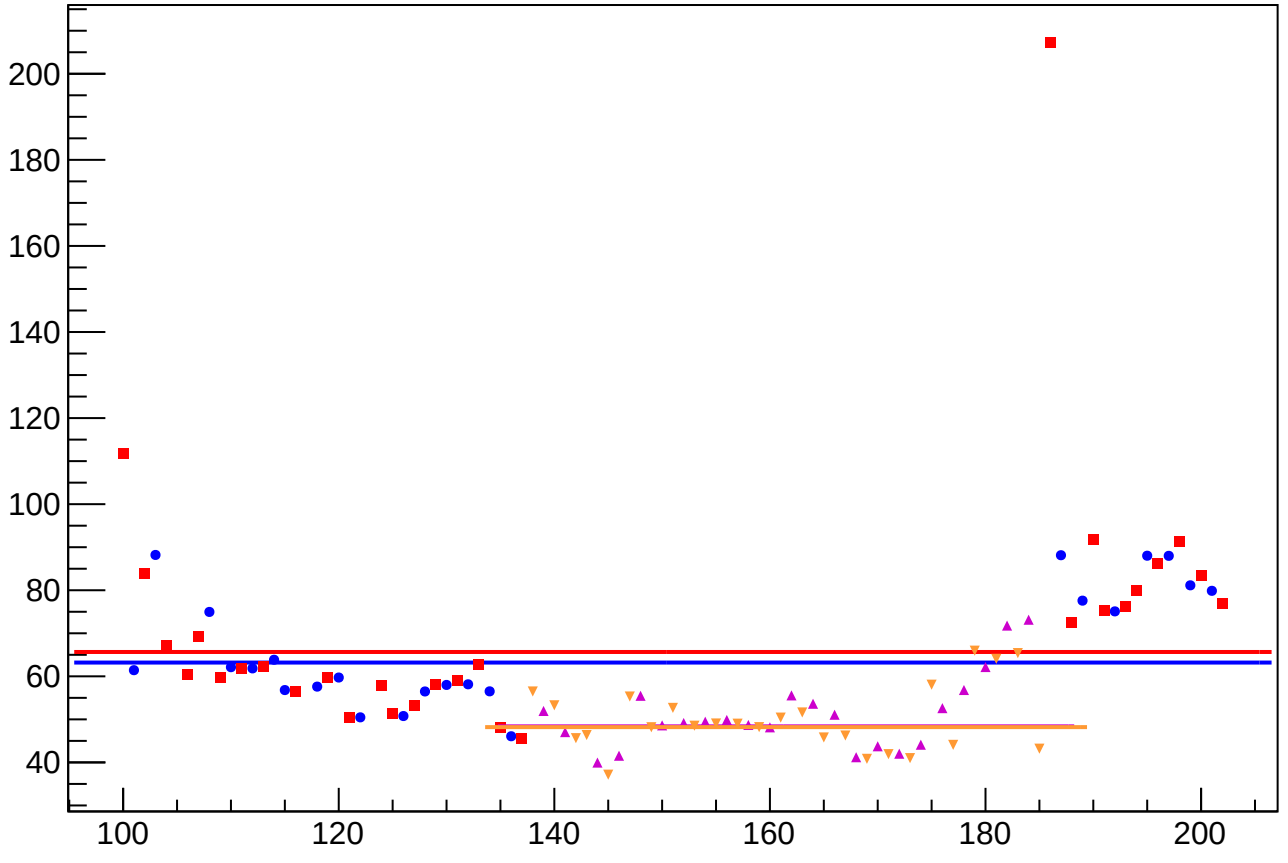
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -10.059+/-9.528 χ^2/NDF: 70.1/47

All: -1.544+/-6.776 χ^2/NDF: 139.6/99

- sign 7.167+/-9.637 χ^2/NDF: 67.9/51

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 63.200+/-0.013 χ^2/NDF: 1053321.0/22

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

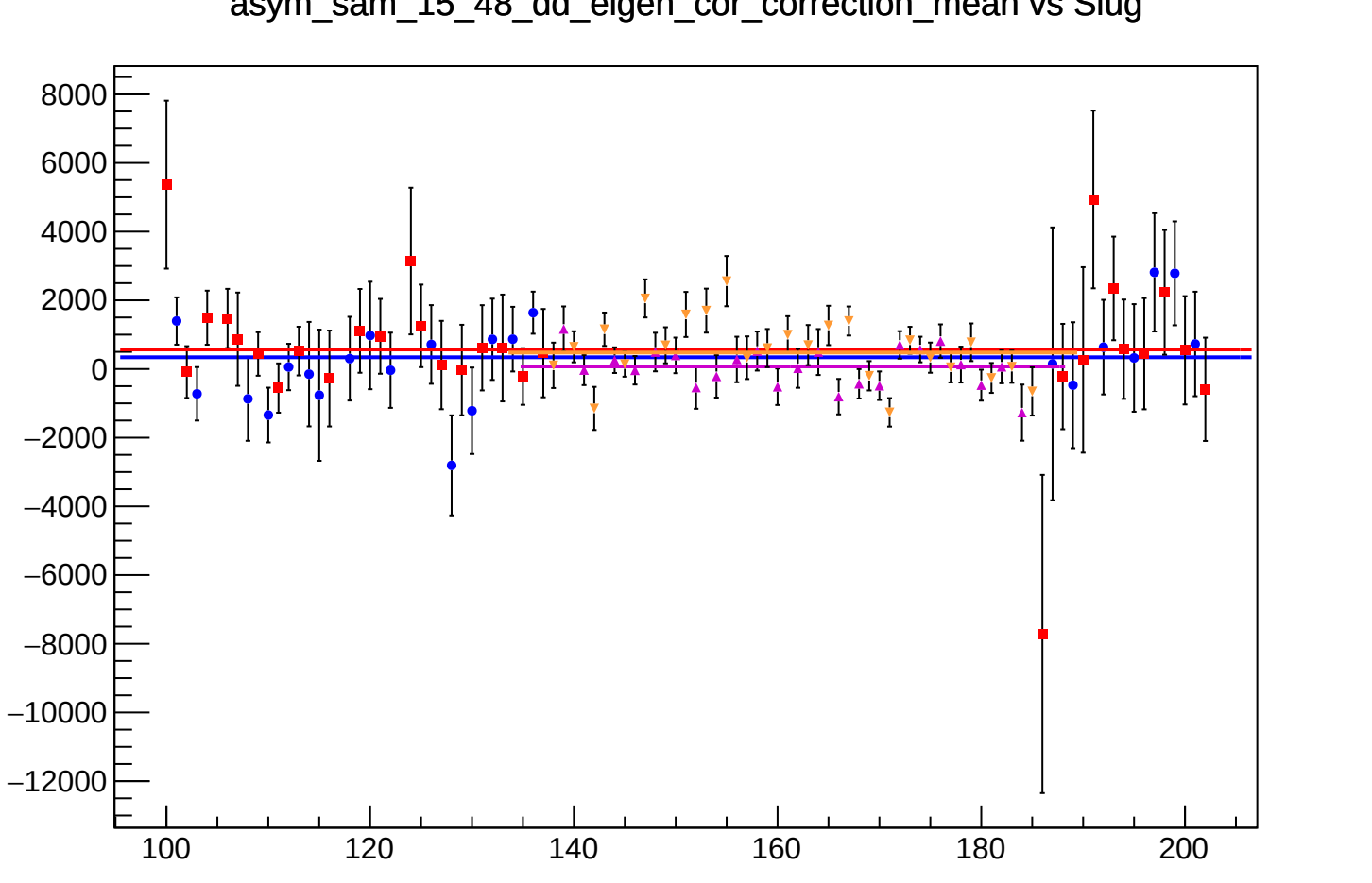
Right Out: 65.658+/-0.013 χ^2/NDF: 1428426.8/28

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.185+/-0.007 χ^2/NDF: 2800922.3/47

All: 52.817+/-0.005 χ^2/NDF: 6277299.8/99

- sign 53.463+/-0.007 χ^2/NDF: 3458571.1/51



Right In: 341.777+/-225.372 χ^2/NDF: 26.8/22

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

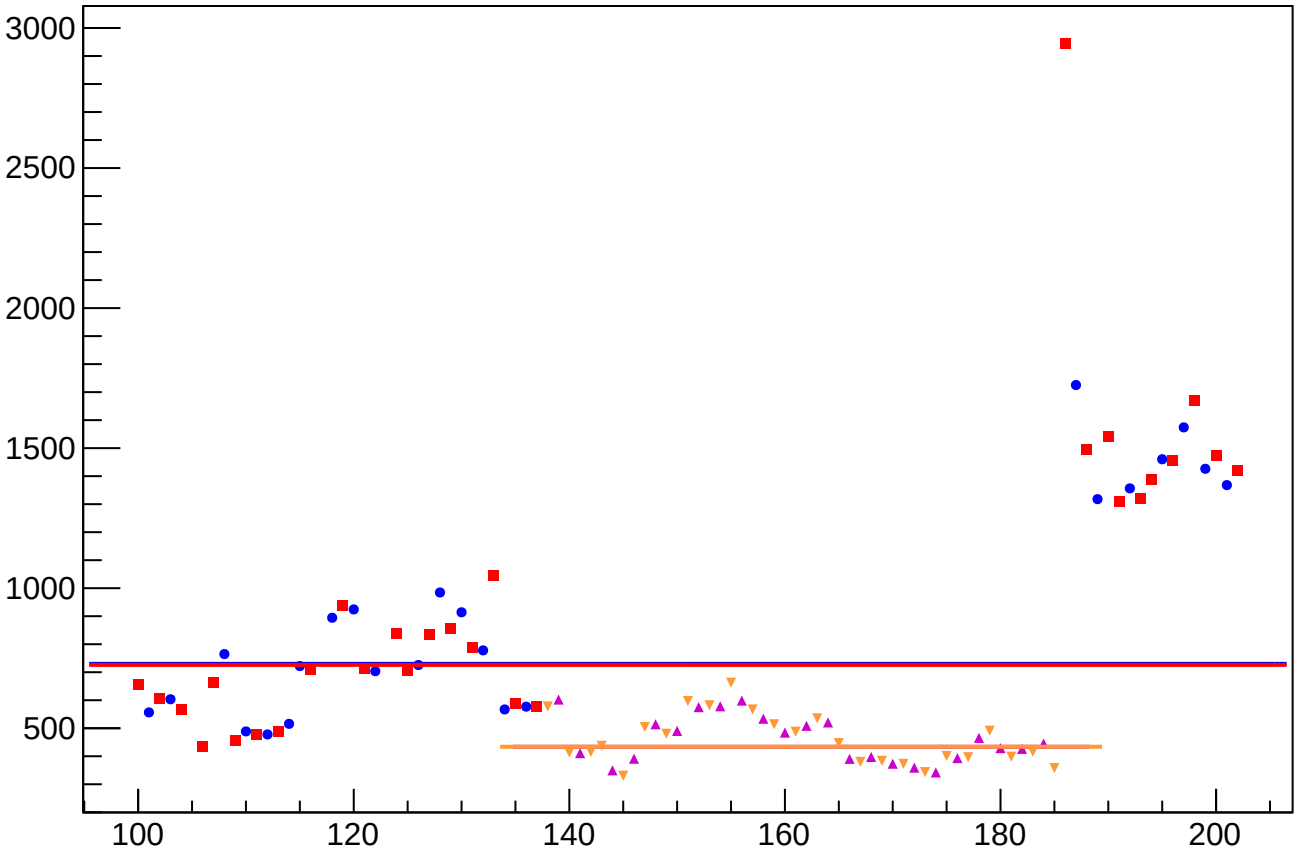
Right Out: 569.884+/-211.689 χ^2/NDF: 22.5/28

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 457.239+/-91.807 χ^2/NDF: 96.4/47

All: 315.256+/-65.235 χ^2/NDF: 152.6/99

- sign 170.461+/-92.712 χ^2/NDF: 51.4/51



Right In: 729.858+/-0.159 χ^2/NDF: 3479318.4/22

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 726.224+/-0.150 χ^2/NDF: 5263843.4/28

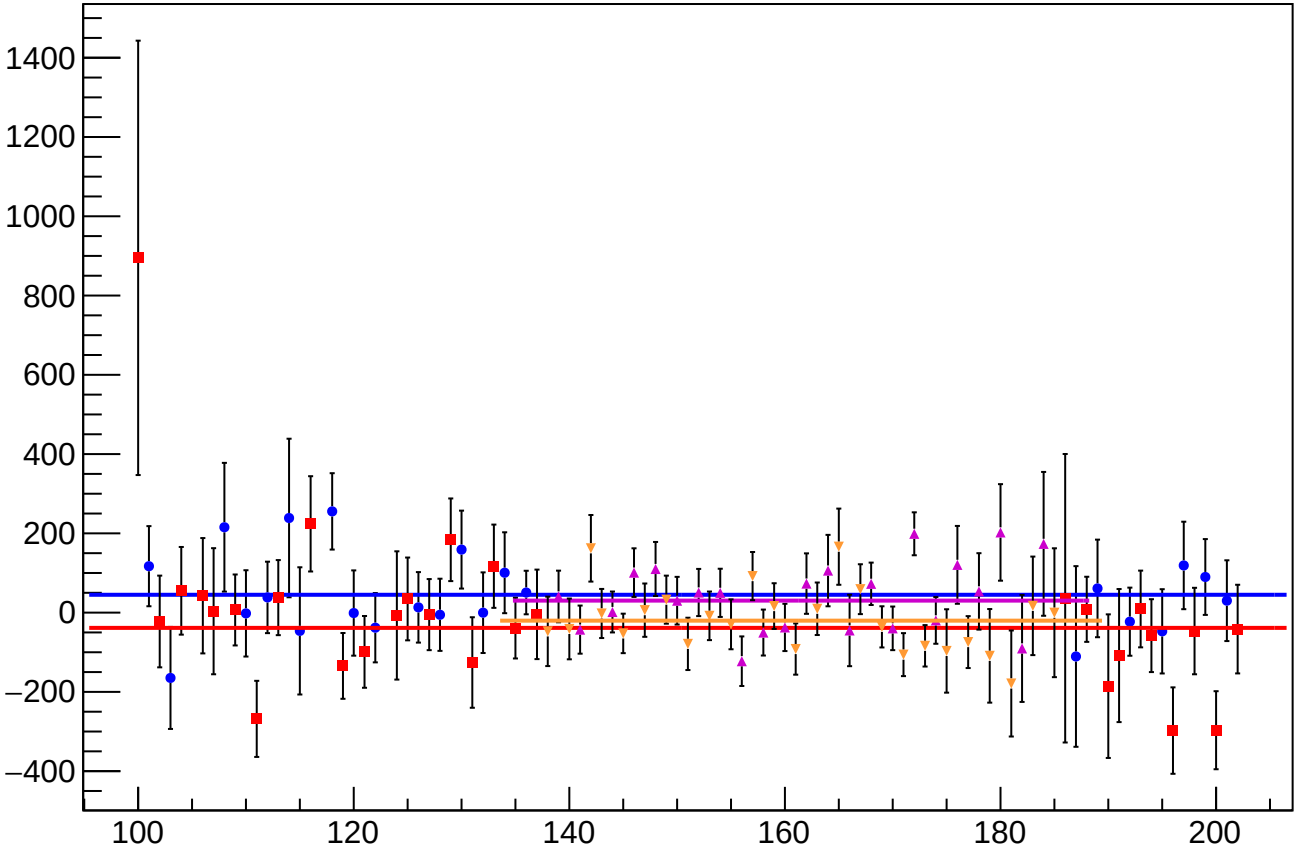
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 483.049+/-0.065 χ^2/NDF: 7598788.6/47

All: 486.405+/-0.046 χ^2/NDF: 17048880.2/99

- sign 489.827+/-0.066 χ^2/NDF: 9444694.5/51

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 45.015+/-21.017 χ^2/NDF: 16.4/22

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -38.495+/-20.047 χ^2/NDF: 39.3/28

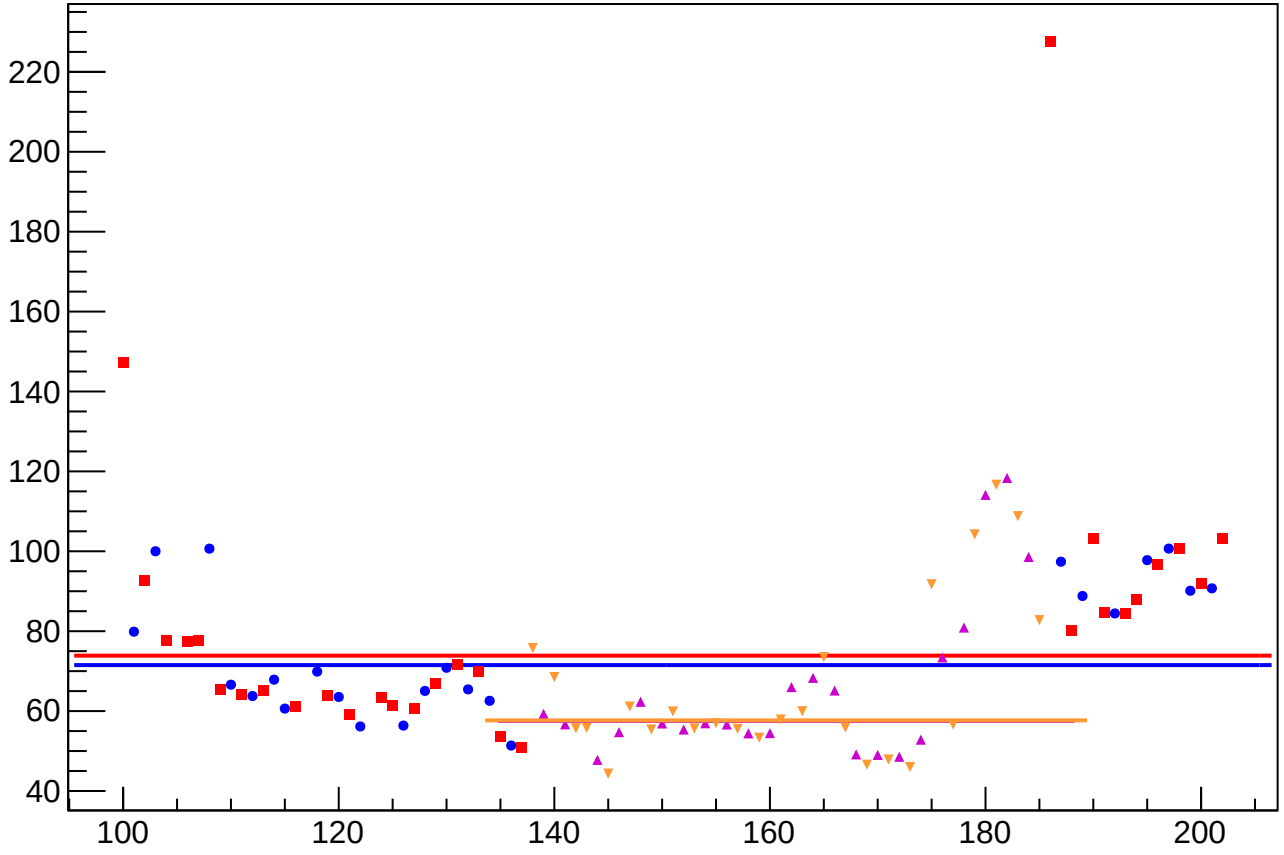
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -0.928+/-11.439 χ^2/NDF: 48.3/47

All: 3.429+/-8.098 χ^2/NDF: 128.4/99

- sign 7.806+/-11.466 χ^2/NDF: 79.8/51

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 71.513+/-0.015 χ^2/NDF: 1156912.1/22

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 73.875+/-0.014 χ^2/NDF: 1480841.9/28

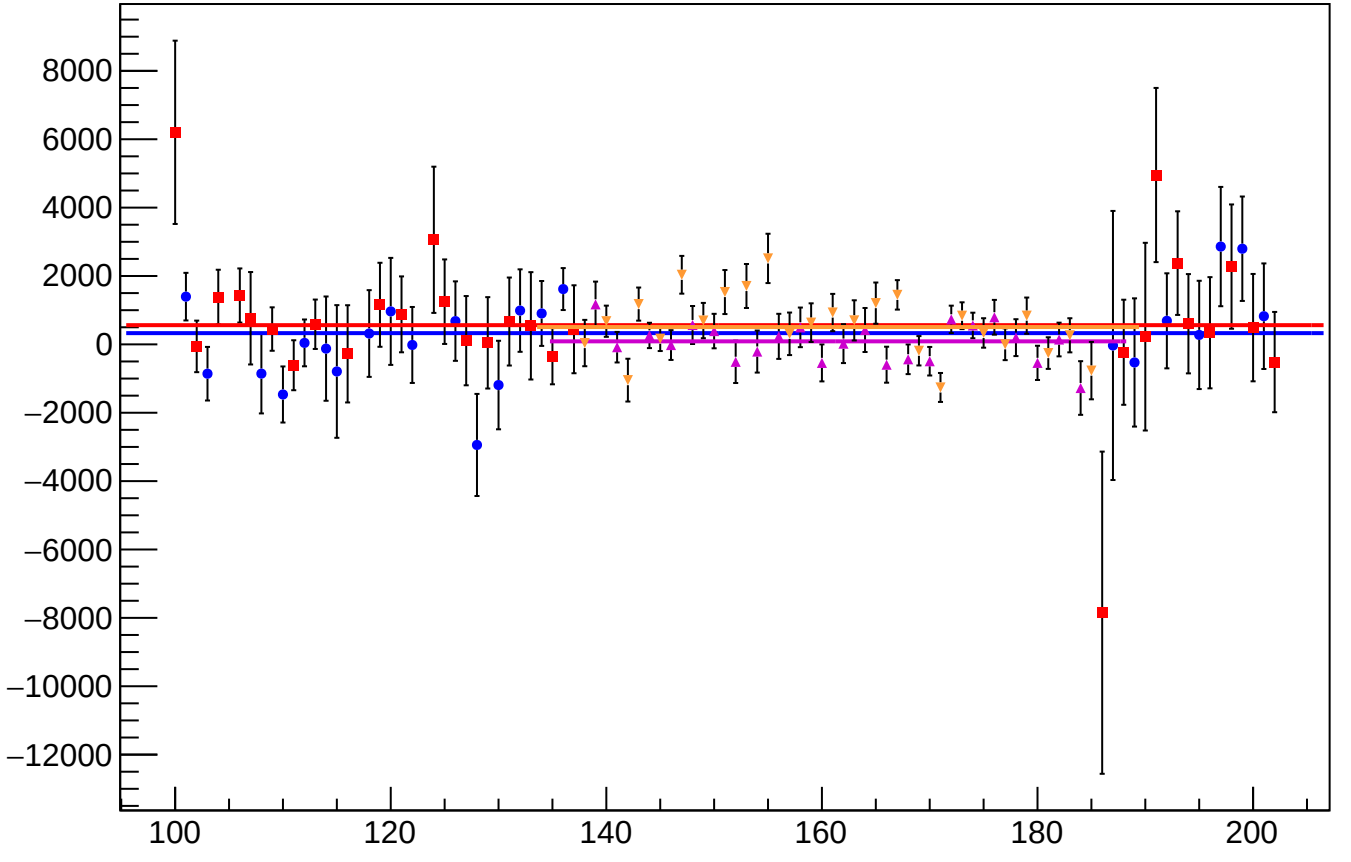
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 61.770+/-0.008 χ^2/NDF: 3677468.2/47

All: 62.325+/-0.006 χ^2/NDF: 7504523.4/99

- sign 62.883+/-0.008 χ^2/NDF: 3817603.7/51

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 328.678+/-227.825 χ^2/NDF: 27.8/22

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 561.949+/-212.371 χ^2/NDF: 23.2/28

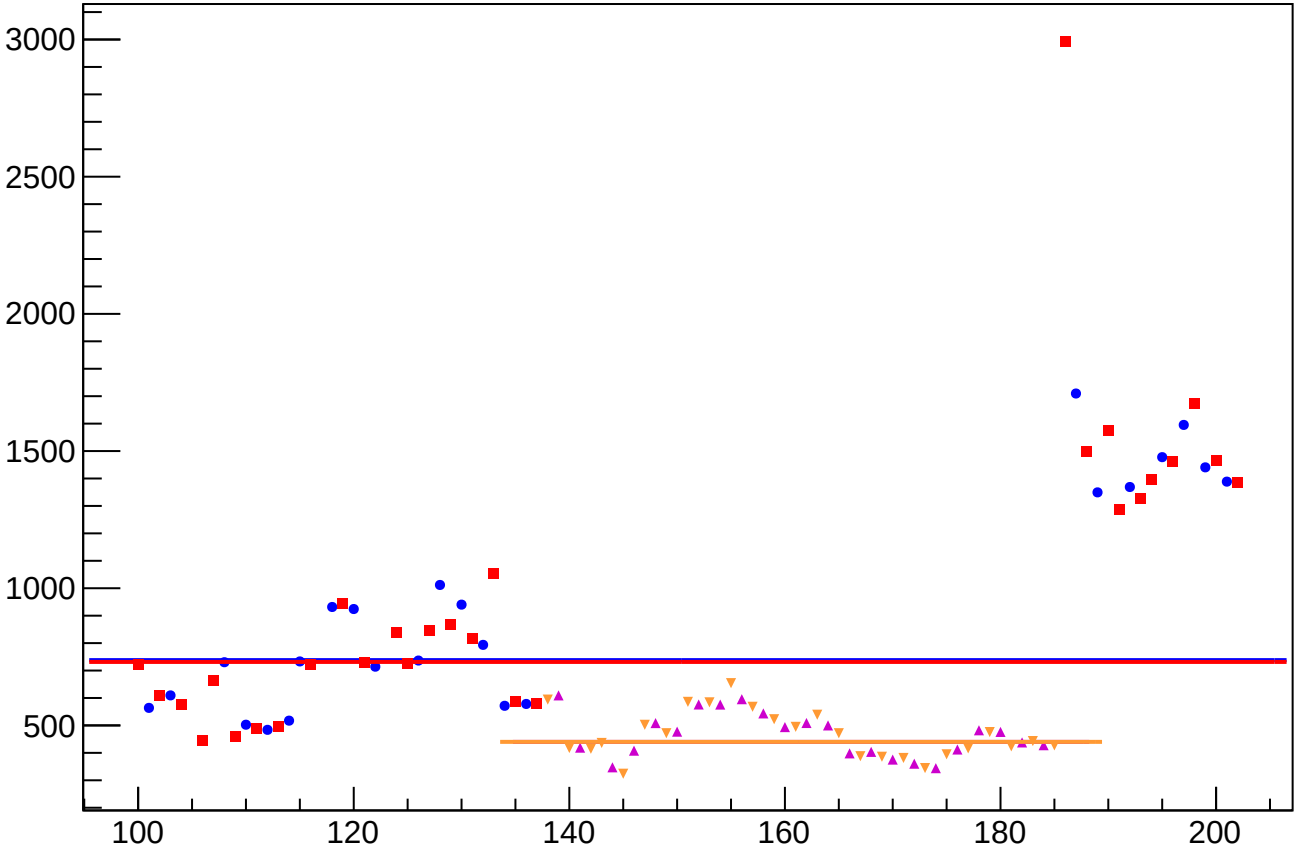
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 477.475+/-92.925 χ^2/NDF: 94.1/47

All: 330.529+/-66.013 χ^2/NDF: 149.6/99

- sign 180.825+/-93.793 χ^2/NDF: 50.5/51

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 738.011+/-0.161 χ^2/NDF: 3498622.5/22

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 731.419+/-0.150 χ^2/NDF: 5230296.5/28

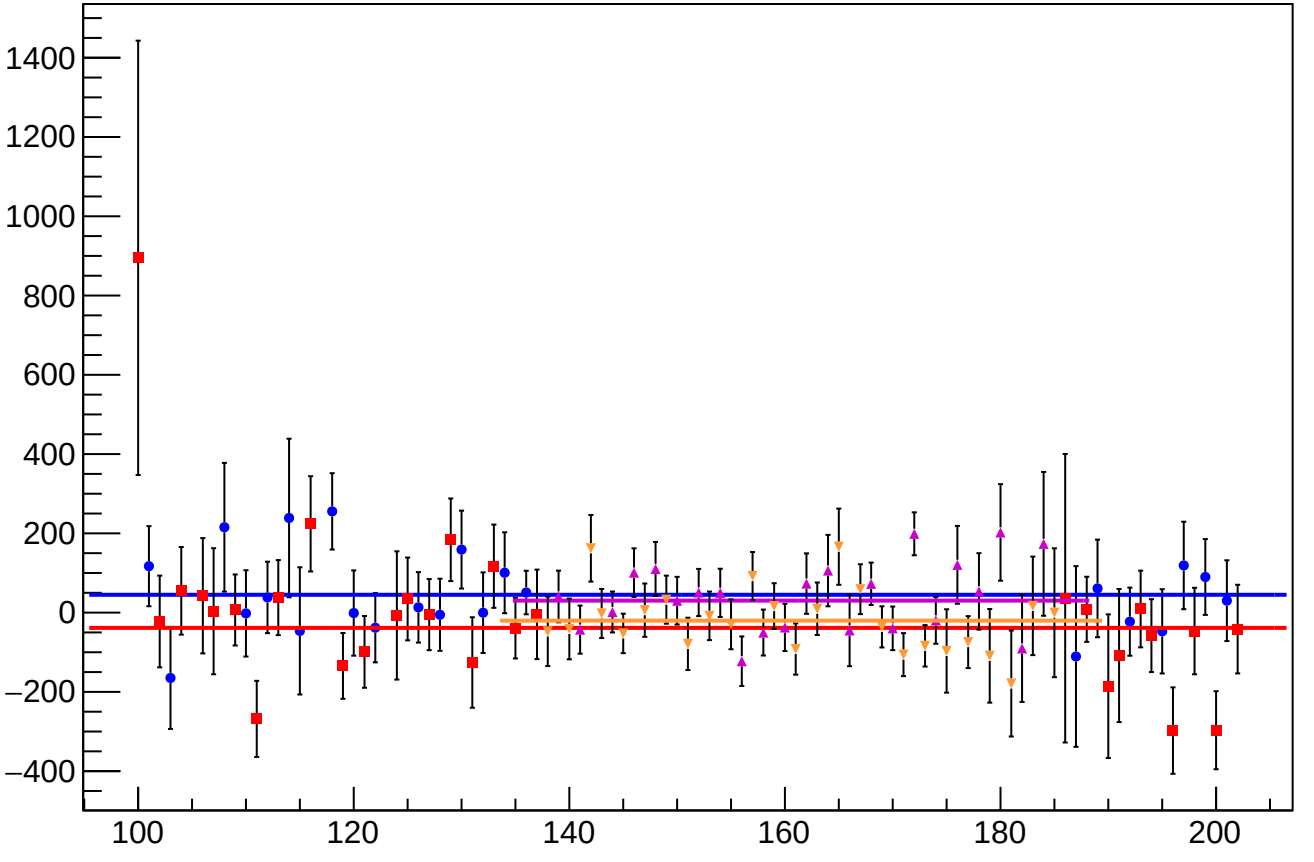
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 489.642+/-0.066 χ^2/NDF: 7546942.5/47

All: 493.160+/-0.047 χ^2/NDF: 16878887.4/99

- sign 496.743+/-0.066 χ^2/NDF: 9326158.9/51

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 45.013+/-21.017 χ^2/NDF: 16.4/22

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -38.495+/-20.047 χ^2/NDF: 39.3/28

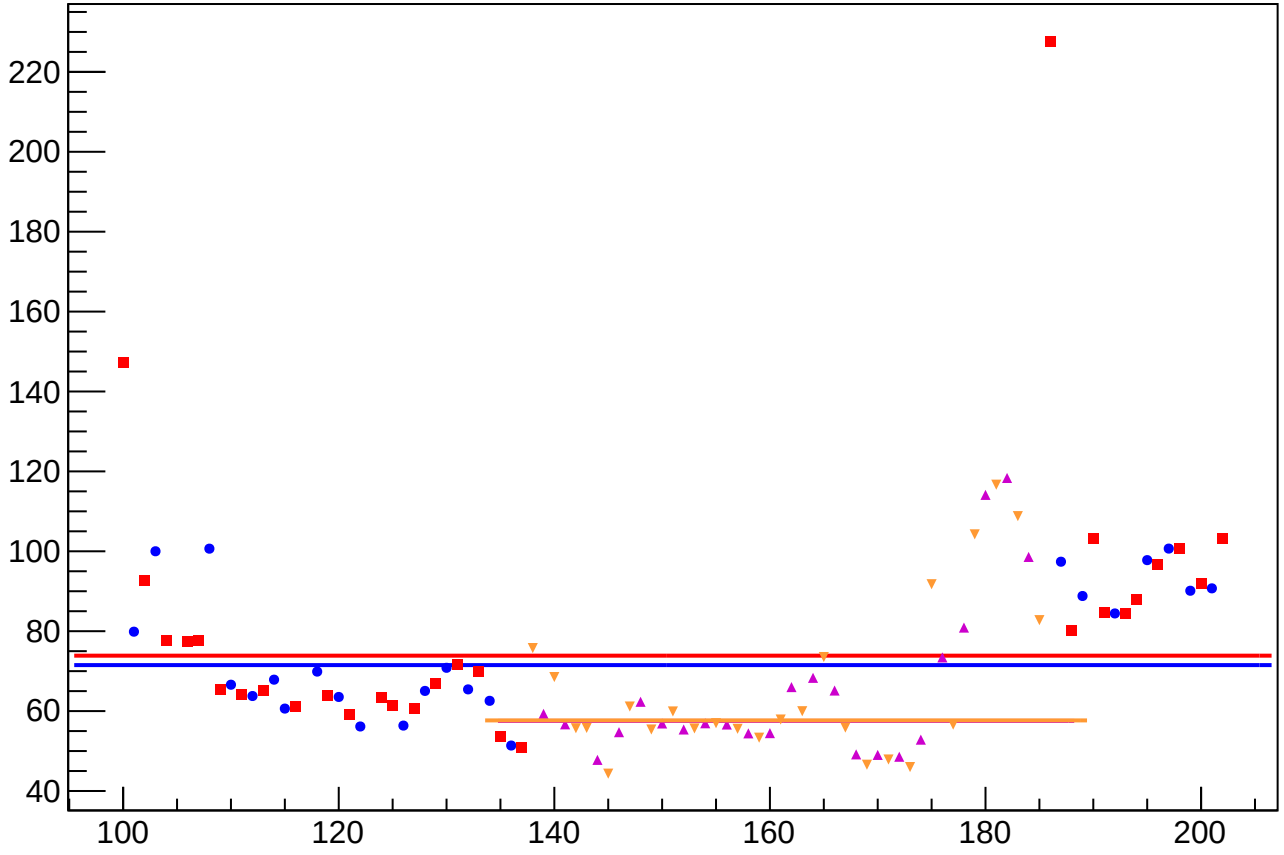
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -0.929+/-11.439 χ^2/NDF: 48.3/47

All: 3.428+/-8.098 χ^2/NDF: 128.4/99

- sign 7.806+/-11.466 χ^2/NDF: 79.8/51

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 71.513+/-0.015 χ^2/NDF: 1156905.5/22

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

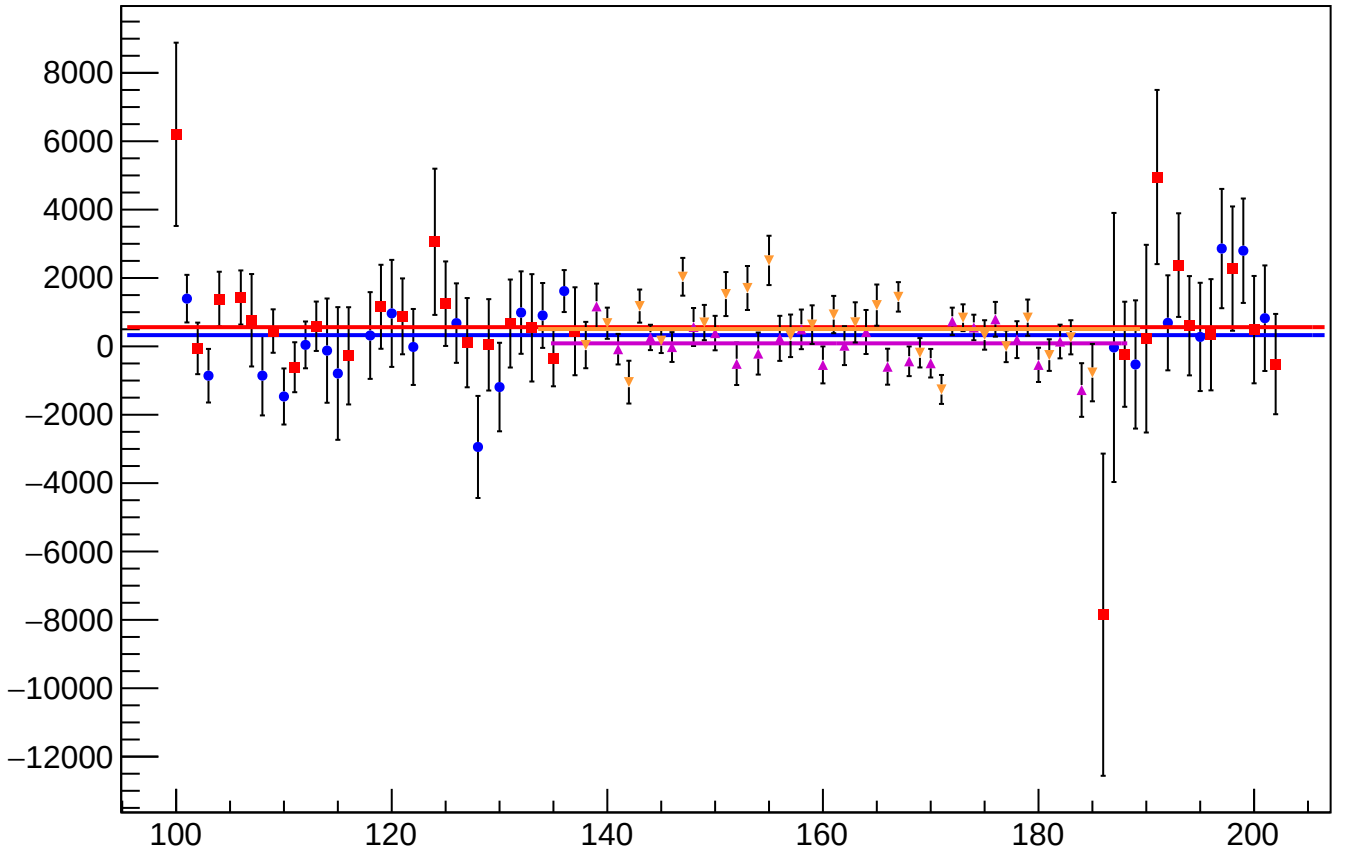
Right Out: 73.875+/-0.014 χ^2/NDF: 1480860.6/28

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 61.770+/-0.008 χ^2/NDF: 3677436.7/47

All: 62.325+/-0.006 χ^2/NDF: 7504473.3/99

- sign 62.883+/-0.008 χ^2/NDF: 3817586.0/51



Right In: 328.677+/-227.824 χ^2/NDF: 27.8/22

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

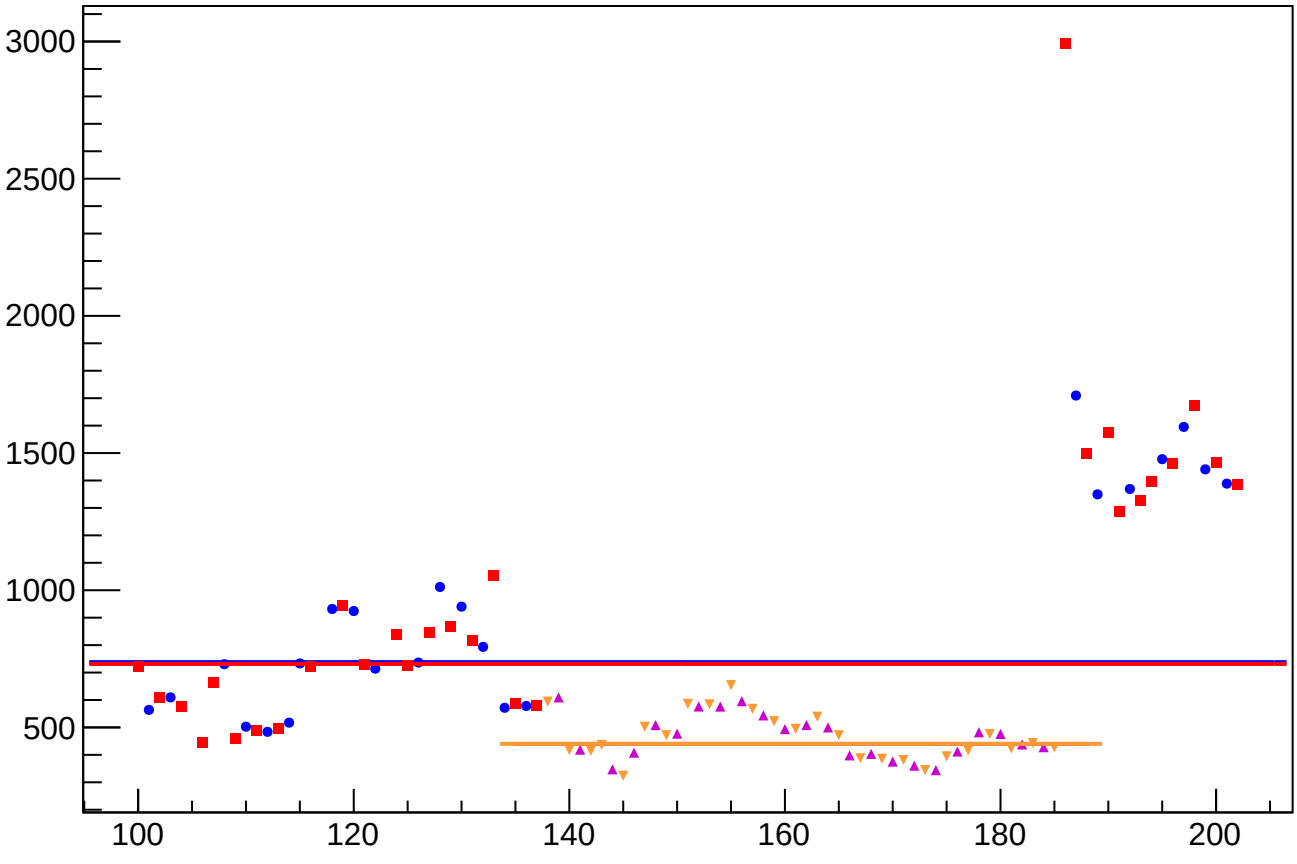
Right Out: 561.948+/-212.371 χ^2/NDF: 23.2/28

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 477.475+/-92.925 χ^2/NDF: 94.1/47

All: 330.529+/-66.013 χ^2/NDF: 149.6/99

- sign 180.824+/-93.793 χ^2/NDF: 50.5/51



Right In: 738.010+/-0.161 χ^2/NDF: 3498626.1/22

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 731.418+/-0.150 χ^2/NDF: 5230298.8/28

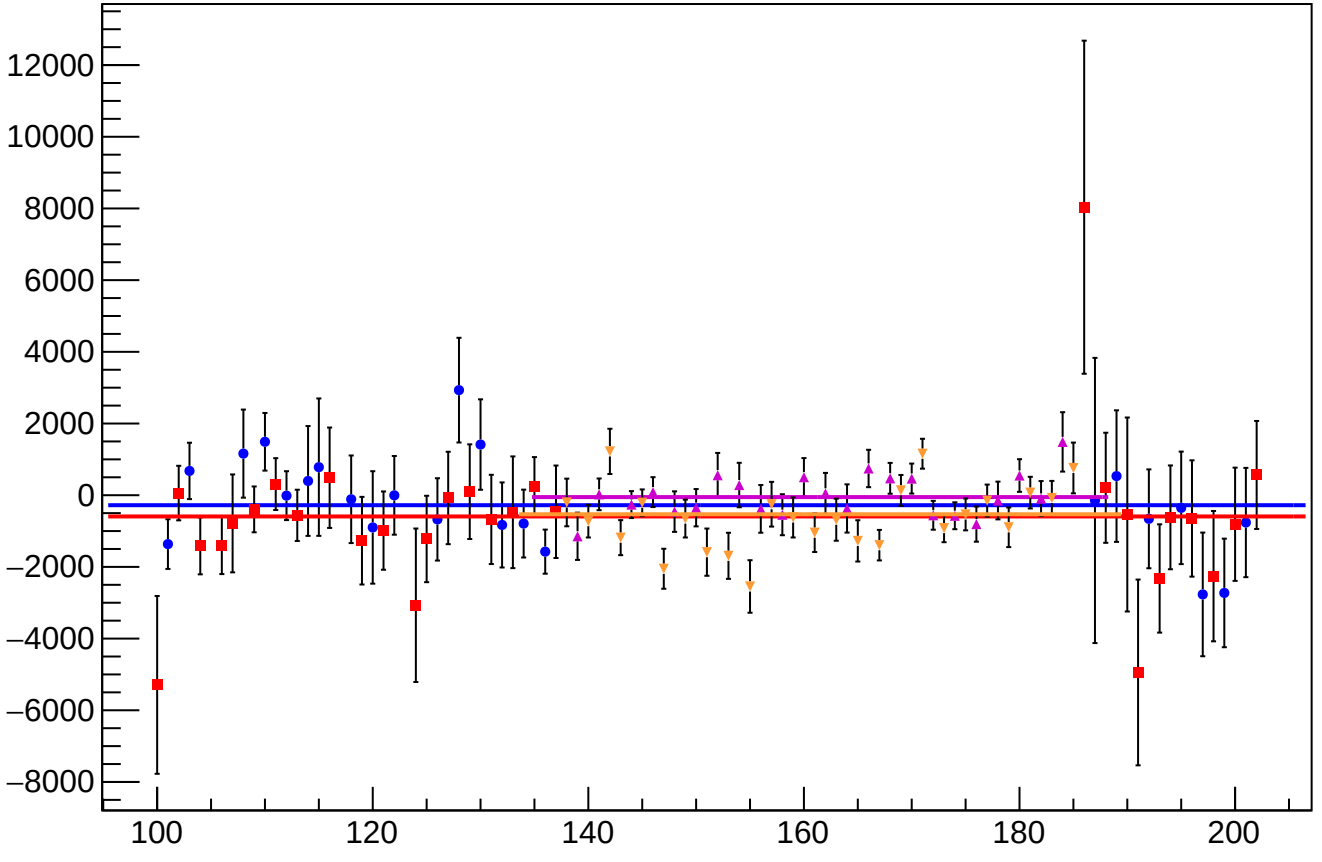
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 489.641+/-0.066 χ^2/NDF: 7546965.6/47

All: 493.158+/-0.047 χ^2/NDF: 16878934.7/99

- sign 496.742+/-0.066 χ^2/NDF: 9326183.2/51

asym_sam_15_48_dd_mean vs Slug



Right In: -278.747+/-226.539 χ^2/NDF: 27.8/22

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -592.719+/-211.848 χ^2/NDF: 21.5/28

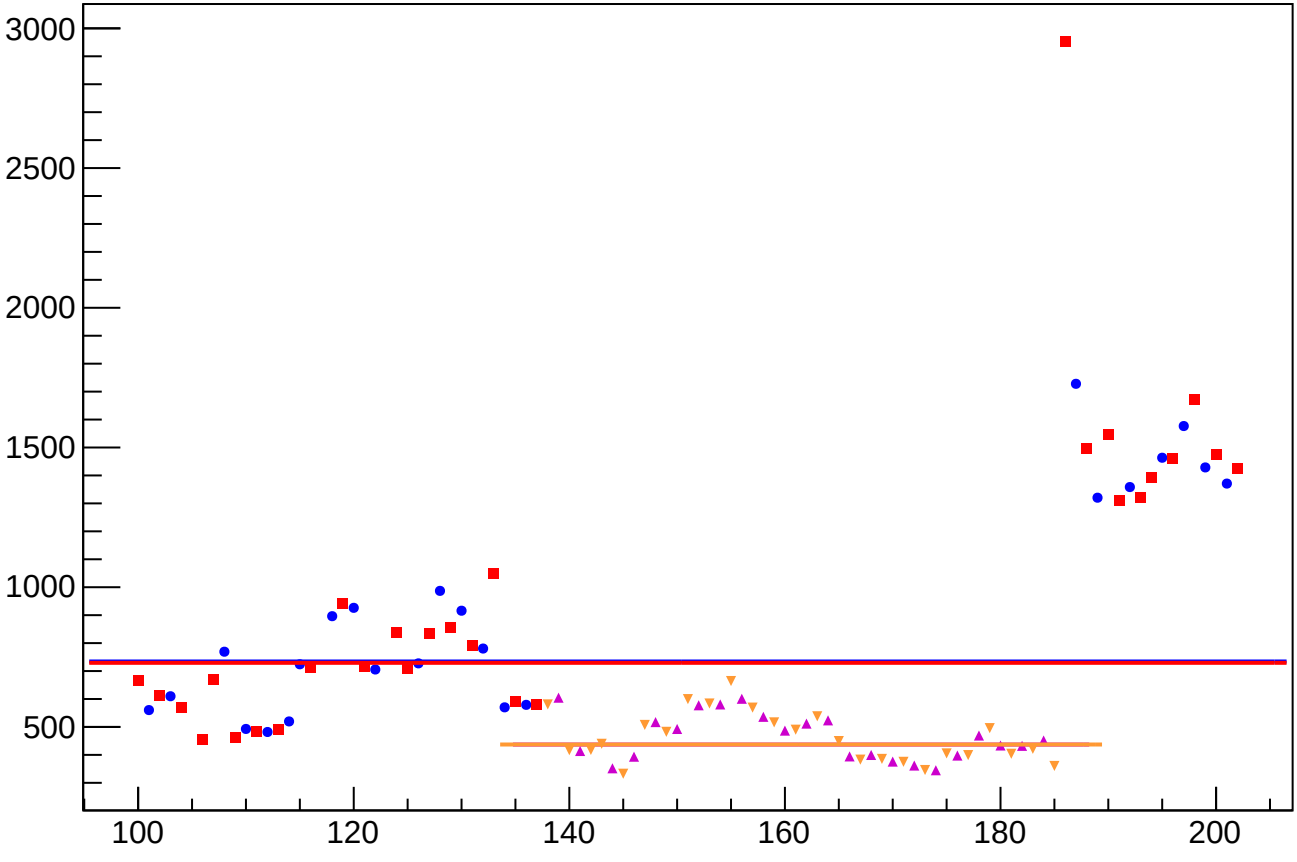
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -489.478+/-92.434 χ^2/NDF: 94.4/47

All: -324.843+/-65.652 χ^2/NDF: 151.6/99

- sign -157.242+/-93.263 χ^2/NDF: 50.8/51

asym_sam_15_48_dd_rms vs Slug



Right In: 734.238+/-0.160 χ^2/NDF: 3446185.6/22

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

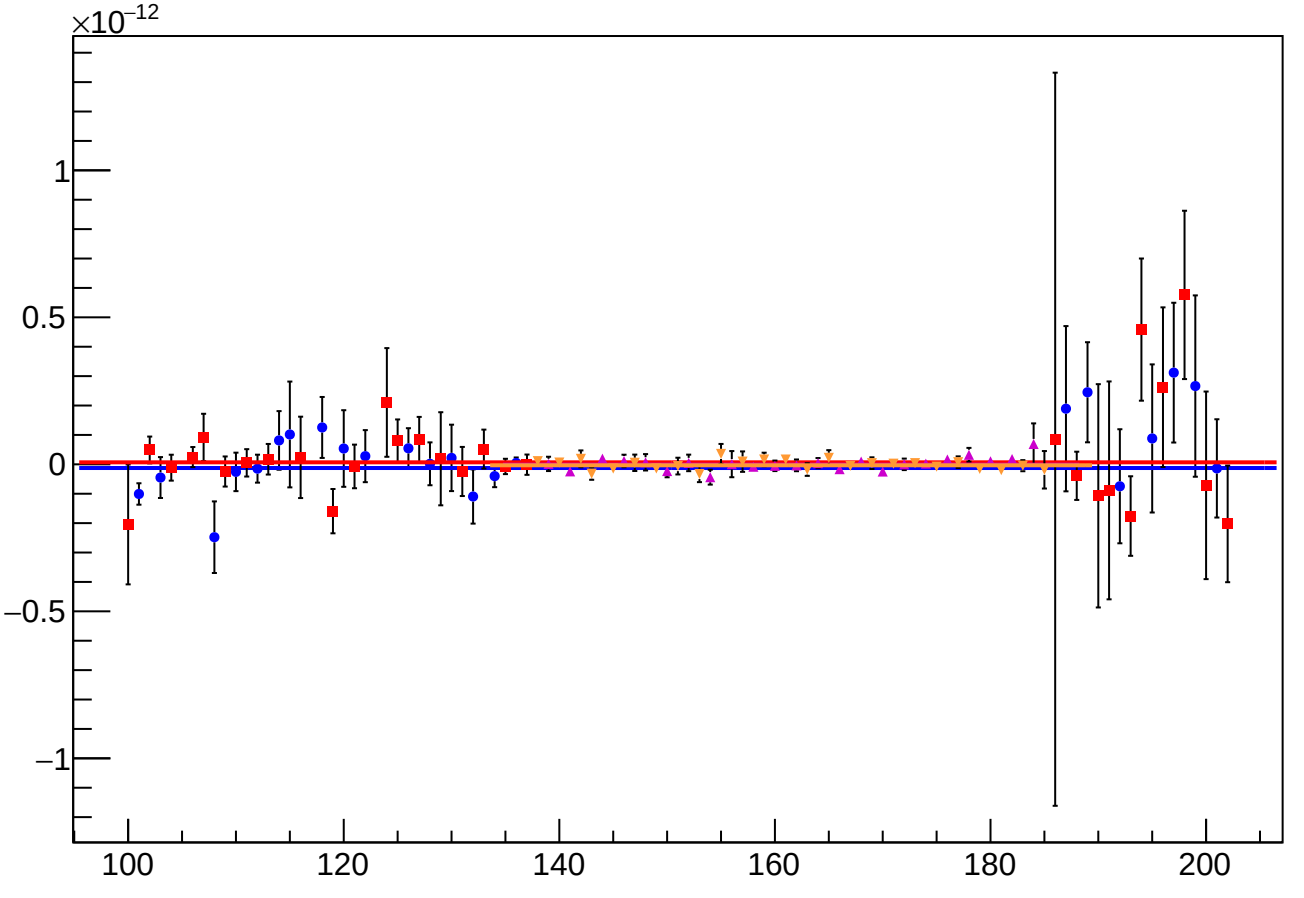
Right Out: 729.474+/-0.150 χ^2/NDF: 5220262.5/28

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 486.616+/-0.065 χ^2/NDF: 7540505.3/47

All: 490.093+/-0.046 χ^2/NDF: 16921055.2/99

- sign 493.633+/-0.066 χ^2/NDF: 9374839.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

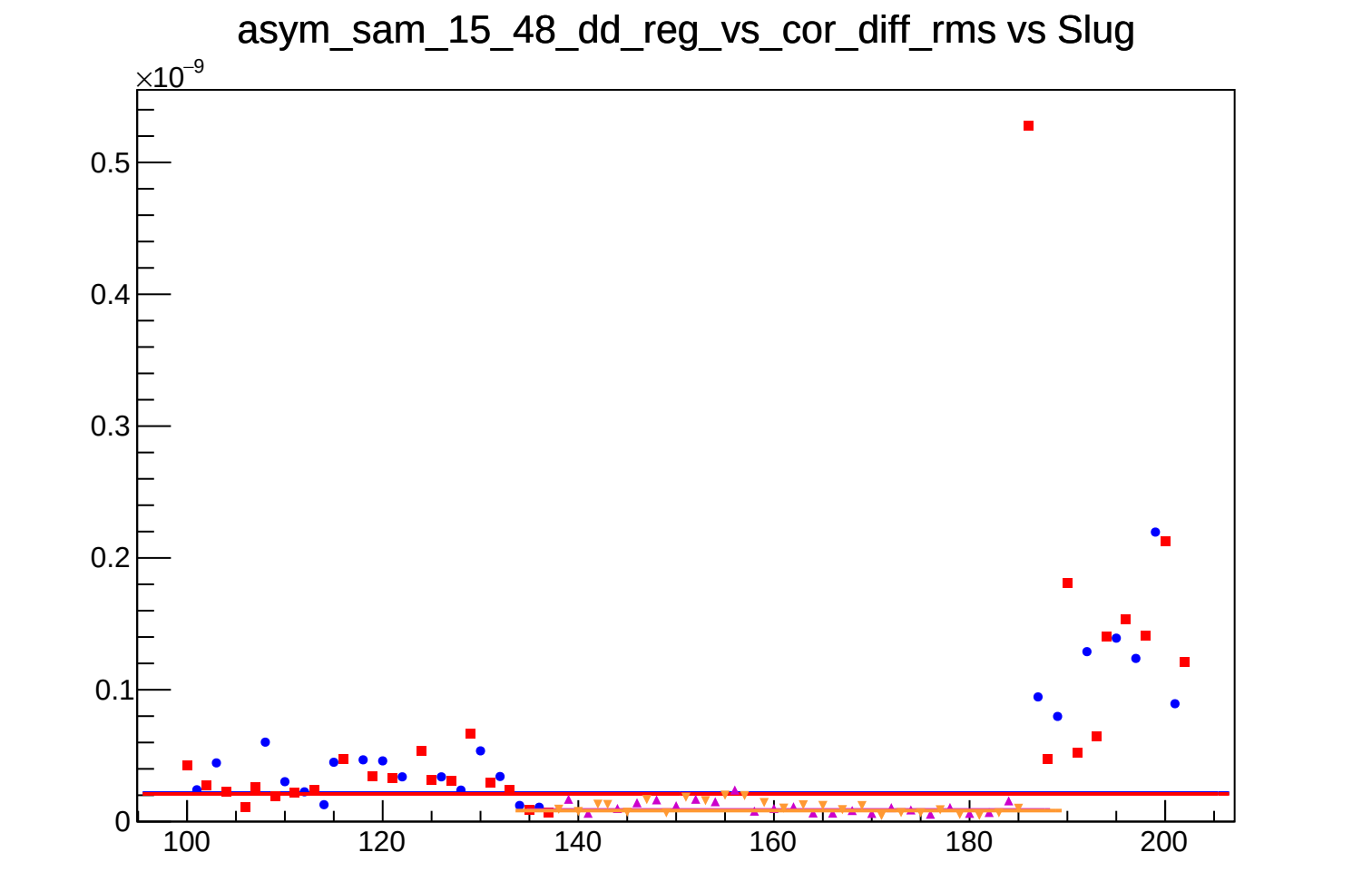
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/28

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/47

All: -0.000+/-0.000 χ^2/NDF: 85.3/99

- sign -0.000+/-0.000 χ^2/NDF: 47.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 4732174.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5195602.7/28

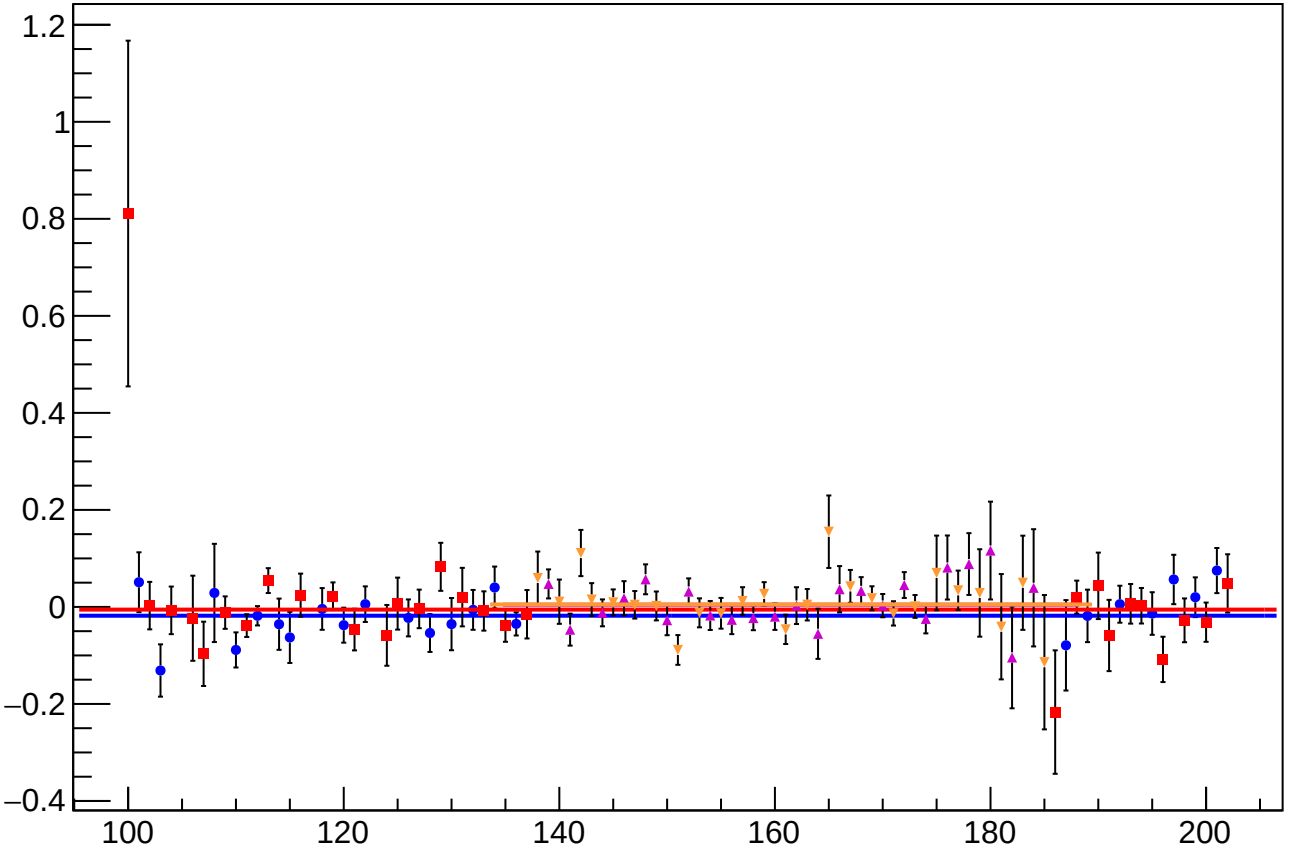
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9068378.9/47

All: 0.000+/-0.000 χ^2/NDF: 17847344.6/99

- sign 0.000+/-0.000 χ^2/NDF: 8748249.7/51

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.008 χ^2/NDF: 22.5/22

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.006+/-0.008 χ^2/NDF: 33.0/28

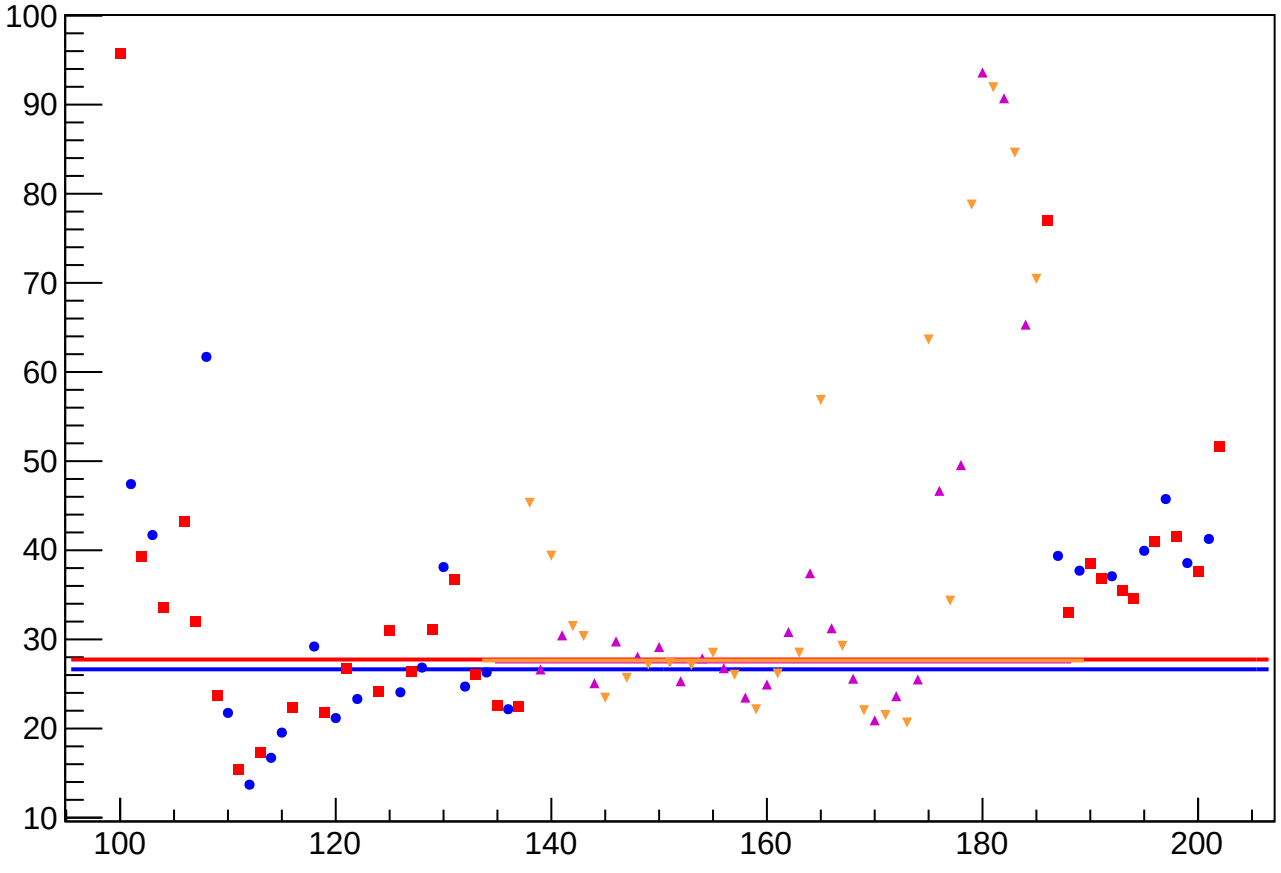
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.004+/-0.005 χ^2/NDF: 55.6/47

All: -0.002+/-0.004 χ^2/NDF: 115.0/99

- sign 0.000+/-0.005 χ^2/NDF: 59.0/51

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.645+/-0.006 χ^2/NDF: 2957798.5/22

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

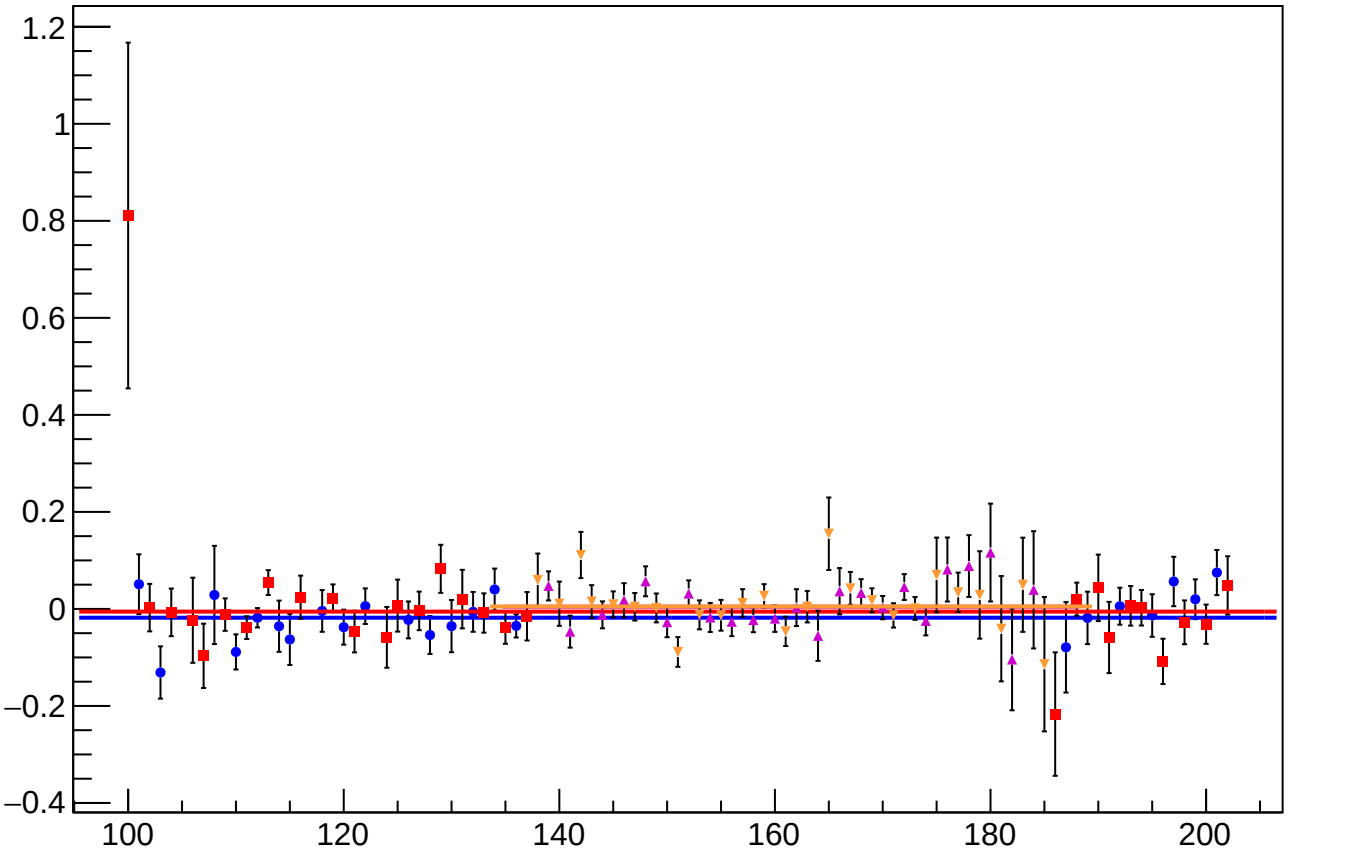
Right Out: 27.744+/-0.006 χ^2/NDF: 2819098.5/28

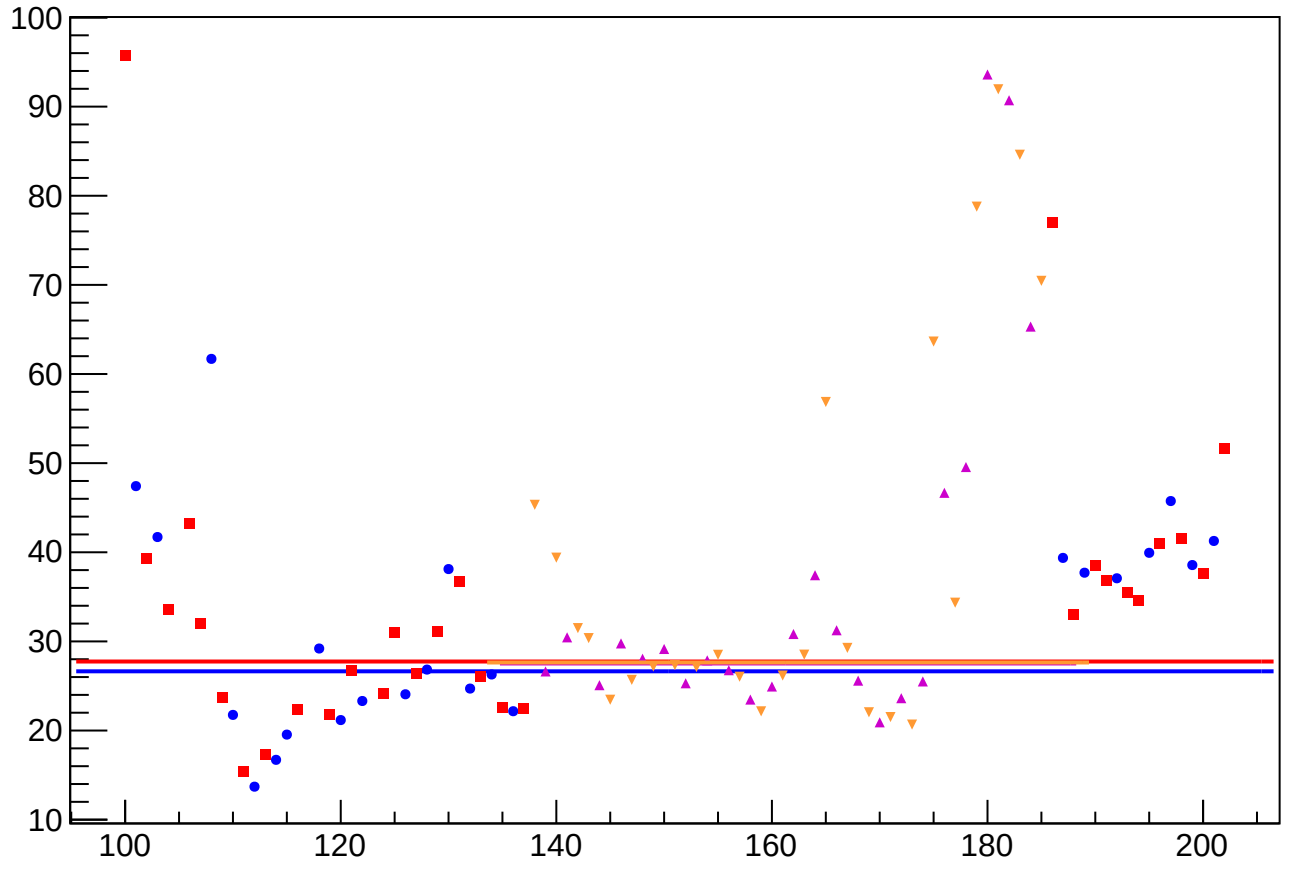
Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.235+/-0.004 χ^2/NDF: 6948749.5/47

All: 27.430+/-0.003 χ^2/NDF: 12408638.9/99

- sign 27.621+/-0.004 χ^2/NDF: 5454510.9/51


asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: -0.018+/-0.008 χ²/NDF: 22.5/22
Left Out: 0.005+/-0.007 χ²/NDF:28.4/24
Right Out: -0.006+/-0.008 χ²/NDF: 33.0/28
Left In: 0.005+/-0.007 χ²/NDF:25.1/22
+ sign -0.004+/-0.005 χ²/NDF: 55.6/47
All: -0.002+/-0.004 χ²/NDF: 115.0/99
- sign 0.000+/-0.005 χ²/NDF: 59.0/51



Right In: 26.645+/-0.006 χ^2/NDF: 2957798.5/22

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

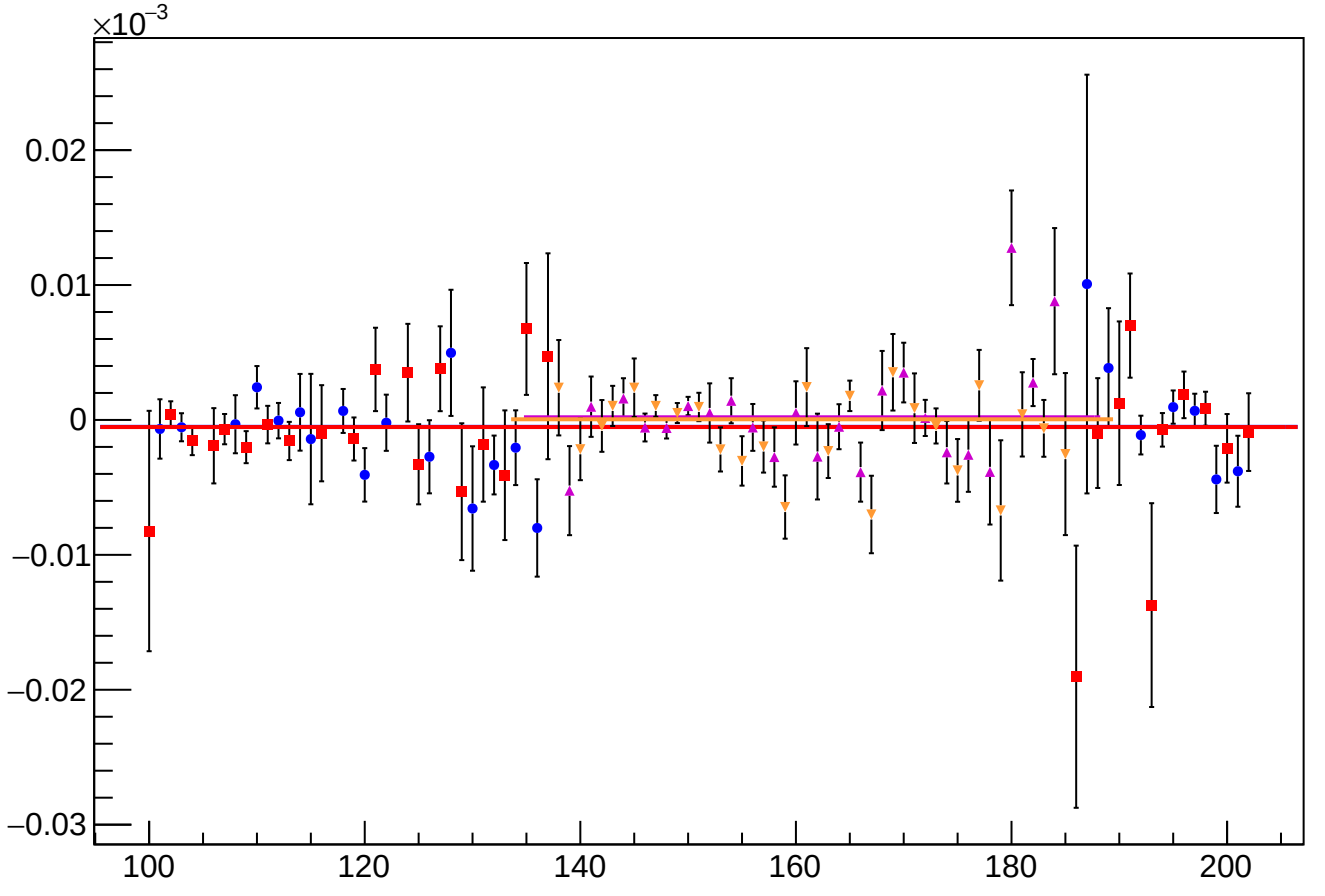
Right Out: 27.744+/-0.006 χ^2/NDF: 2819098.5/28

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.235+/-0.004 χ^2/NDF: 6948749.5/47

All: 27.430+/-0.003 χ^2/NDF: 12408638.9/99

- sign 27.621+/-0.004 χ^2/NDF: 5454510.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

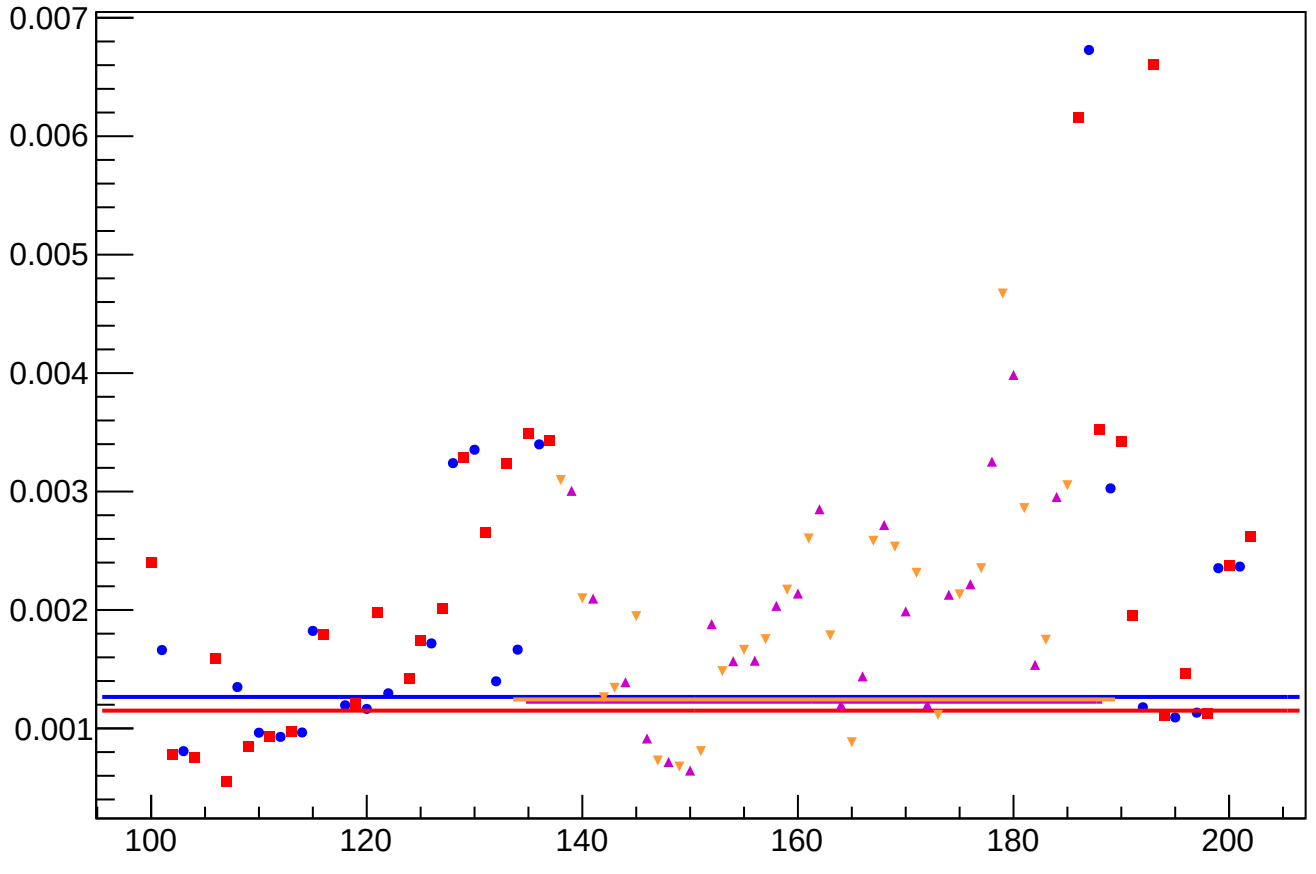
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/28

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.7/47

All: -0.000+/-0.000 χ^2/NDF: 128.8/99

- sign -0.000+/-0.000 χ^2/NDF: 65.0/51



Right In: 0.001+/-0.000 χ^2/NDF: 3651479.6/22

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7204905.9/28

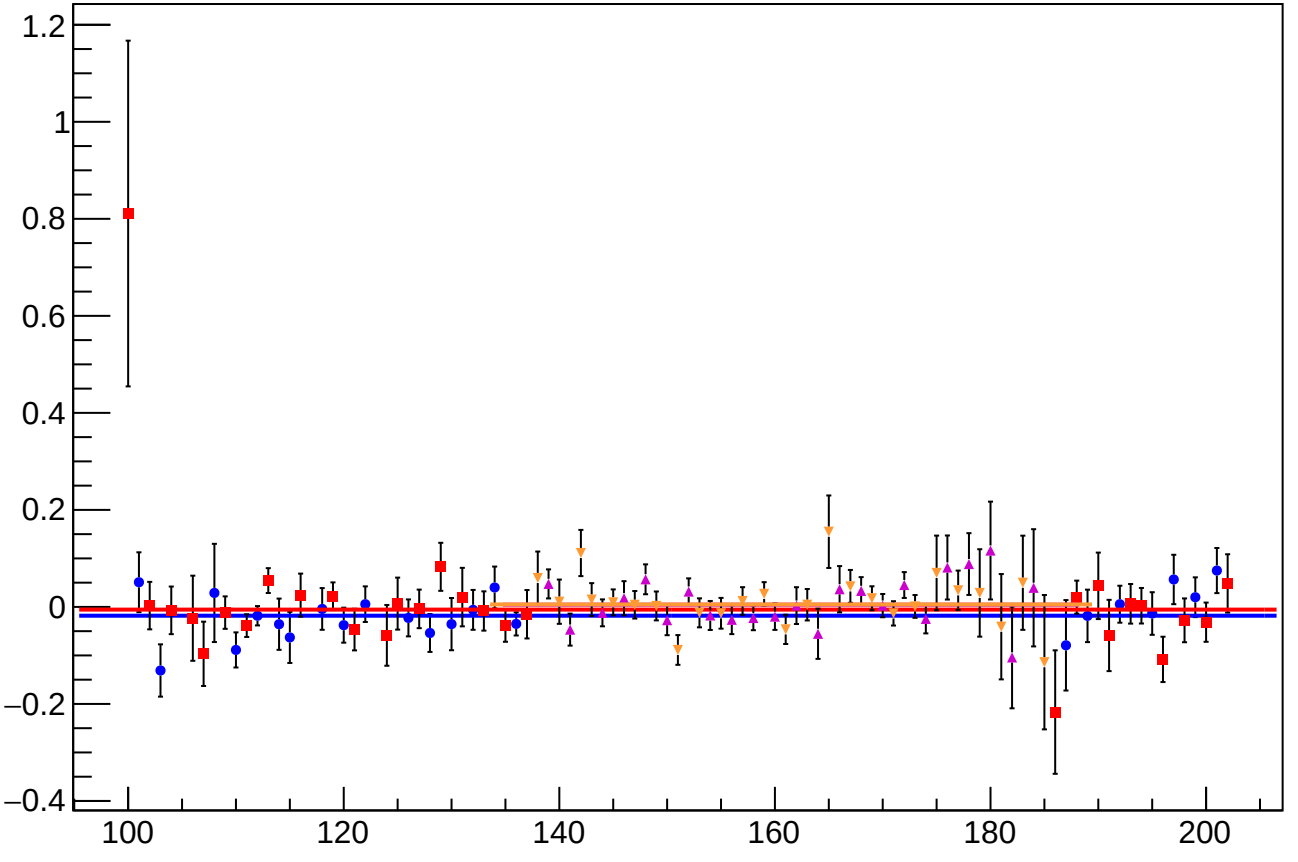
Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 11995908.5/47

All: 0.001+/-0.000 χ^2/NDF: 27133740.9/99

- sign 0.001+/-0.000 χ^2/NDF: 15075078.2/51

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.008 χ^2/NDF: 22.5/22

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

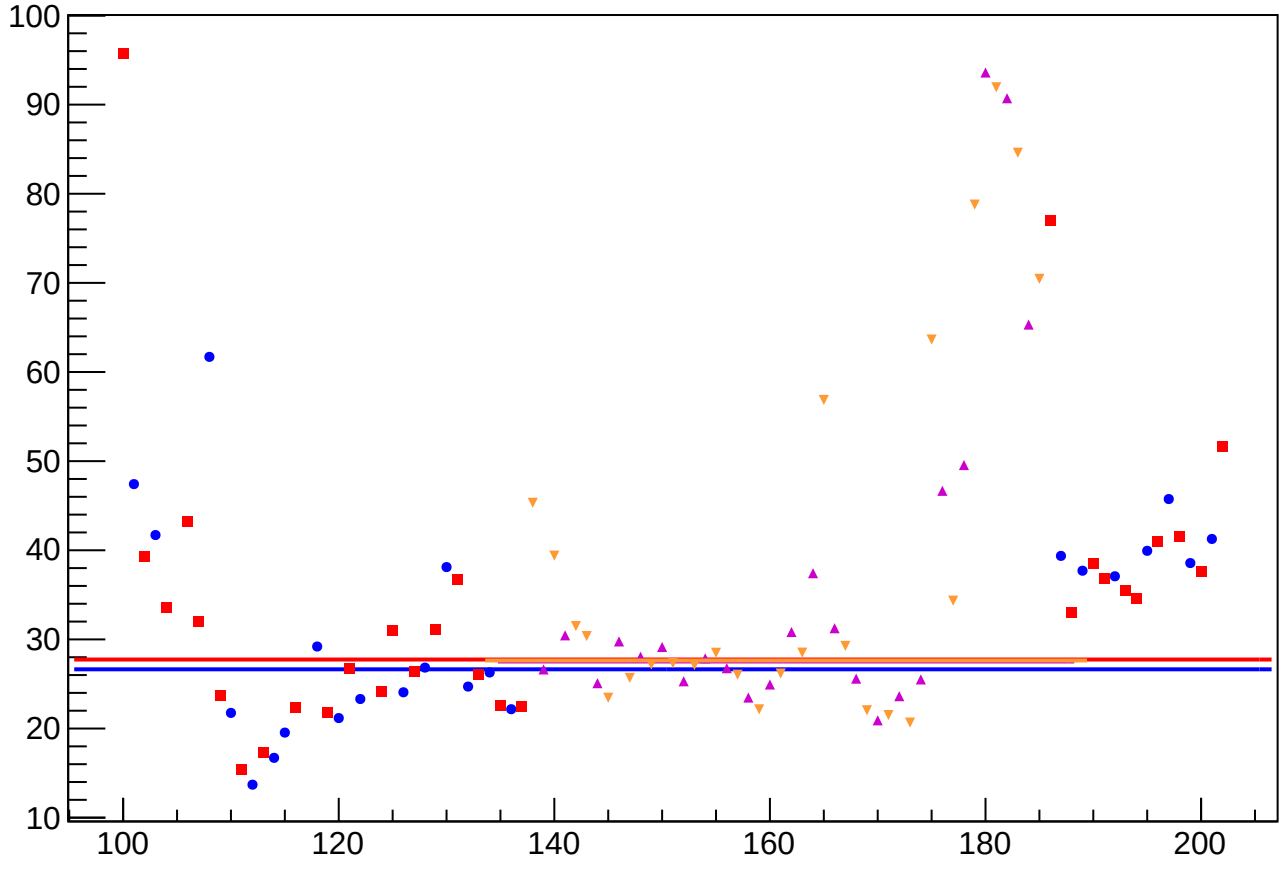
Right Out: -0.006+/-0.008 χ^2/NDF: 33.0/28

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.004+/-0.005 χ^2/NDF: 55.6/47

All: -0.002+/-0.004 χ^2/NDF: 114.9/99

- sign 0.000+/-0.005 χ^2/NDF: 59.0/51



Right In: 26.645+/-0.006 χ^2/NDF: 2957808.6/22

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

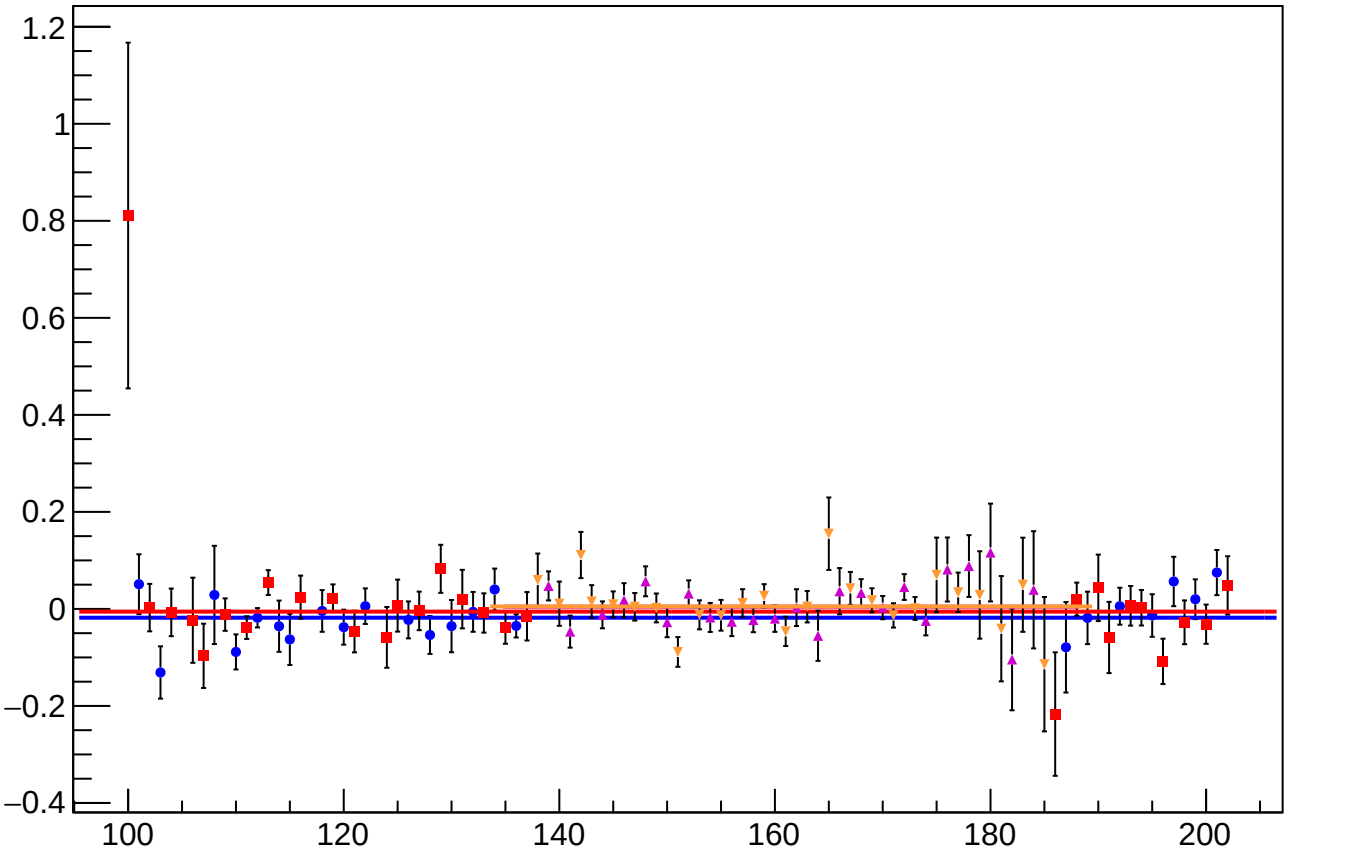
Right Out: 27.744+/-0.006 χ^2/NDF: 2819208.2/28

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.235+/-0.004 χ^2/NDF: 6948719.3/47

All: 27.430+/-0.003 χ^2/NDF: 12408680.5/99

- sign 27.621+/-0.004 χ^2/NDF: 5454585.1/51



Right In: -0.018+/-0.008 χ^2/NDF: 22.5/22

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

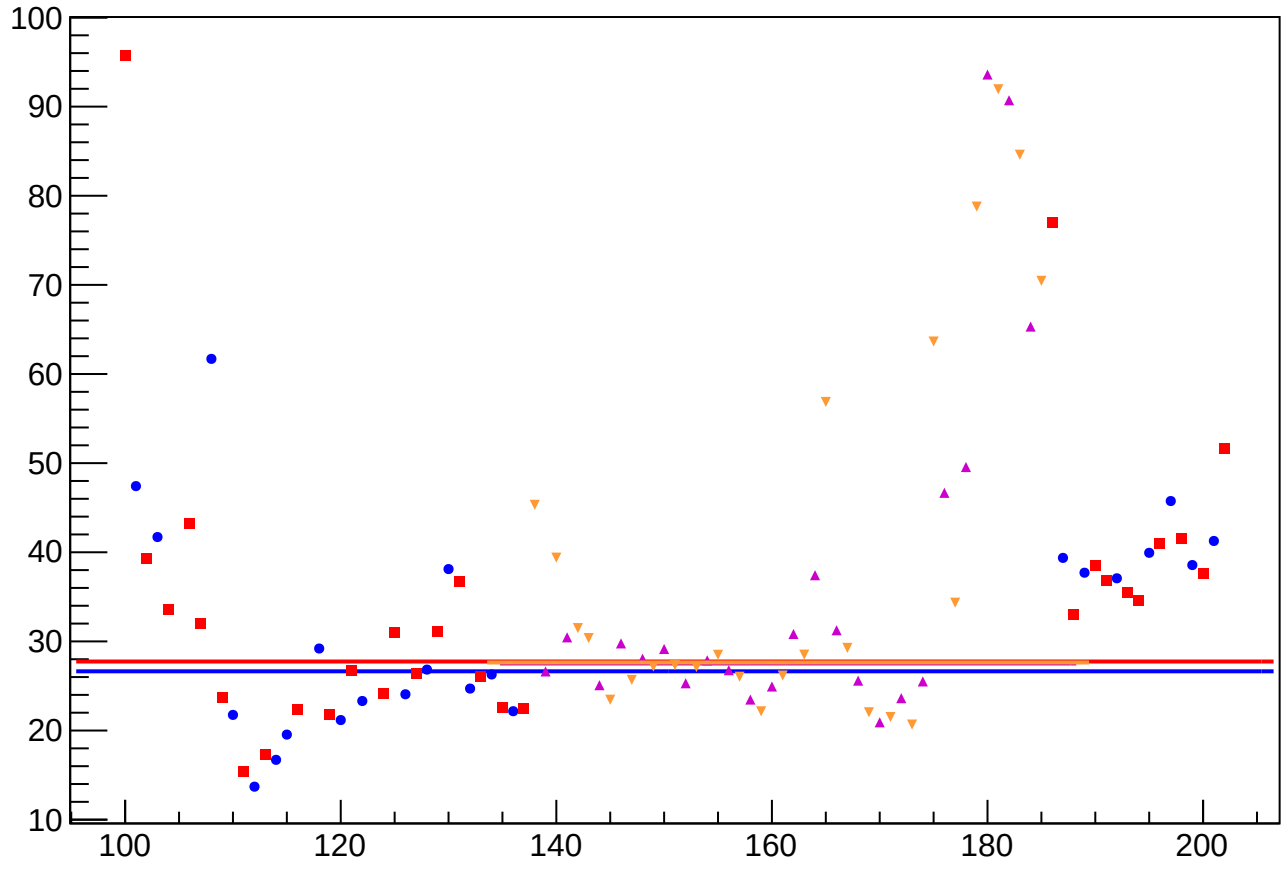
Right Out: -0.006+/-0.008 χ^2/NDF: 33.0/28

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.004+/-0.005 χ^2/NDF: 55.6/47

All: -0.002+/-0.004 χ^2/NDF: 114.9/99

- sign 0.000+/-0.005 χ^2/NDF: 59.0/51



Right In: 26.645+/-0.006 χ^2/NDF: 2957808.6/22

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

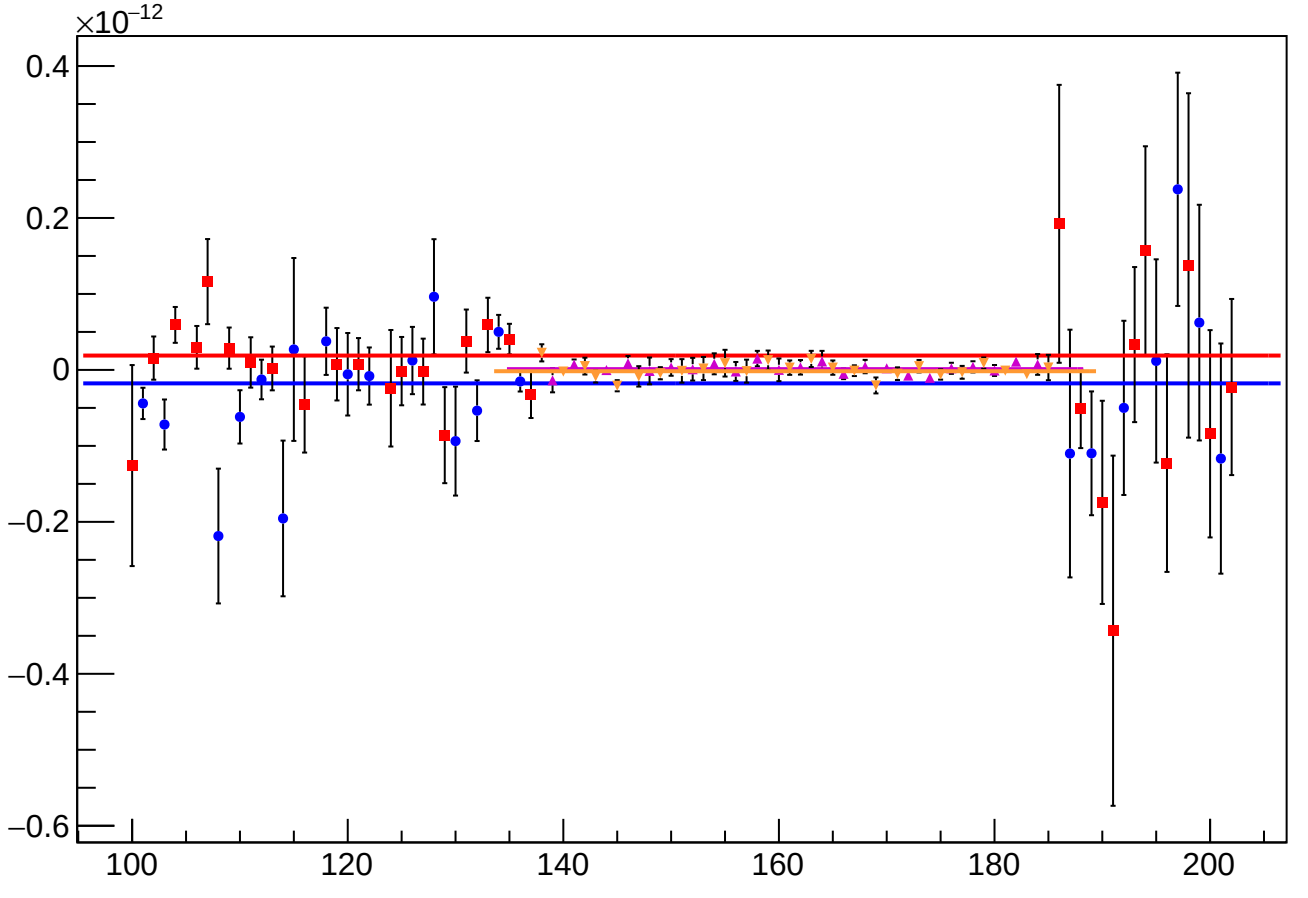
Right Out: 27.744+/-0.006 χ^2/NDF: 2819208.2/28

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.235+/-0.004 χ^2/NDF: 6948719.3/47

All: 27.430+/-0.003 χ^2/NDF: 12408680.5/99

- sign 27.621+/-0.004 χ^2/NDF: 5454585.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

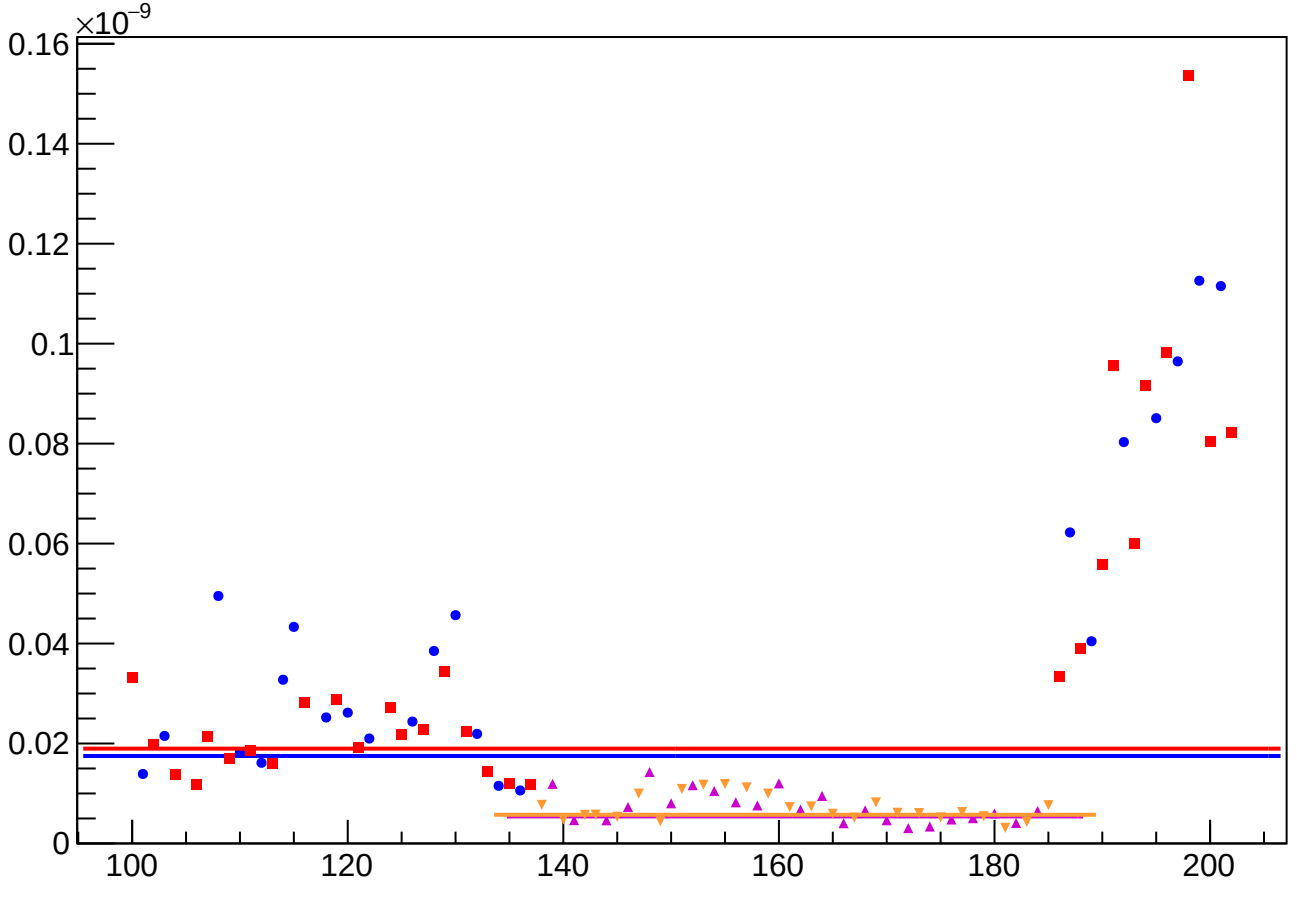
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/28

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.6/47

All: -0.000+/-0.000 χ^2/NDF: 117.1/99

- sign 0.000+/-0.000 χ^2/NDF: 50.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 5311960.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4865227.5/28

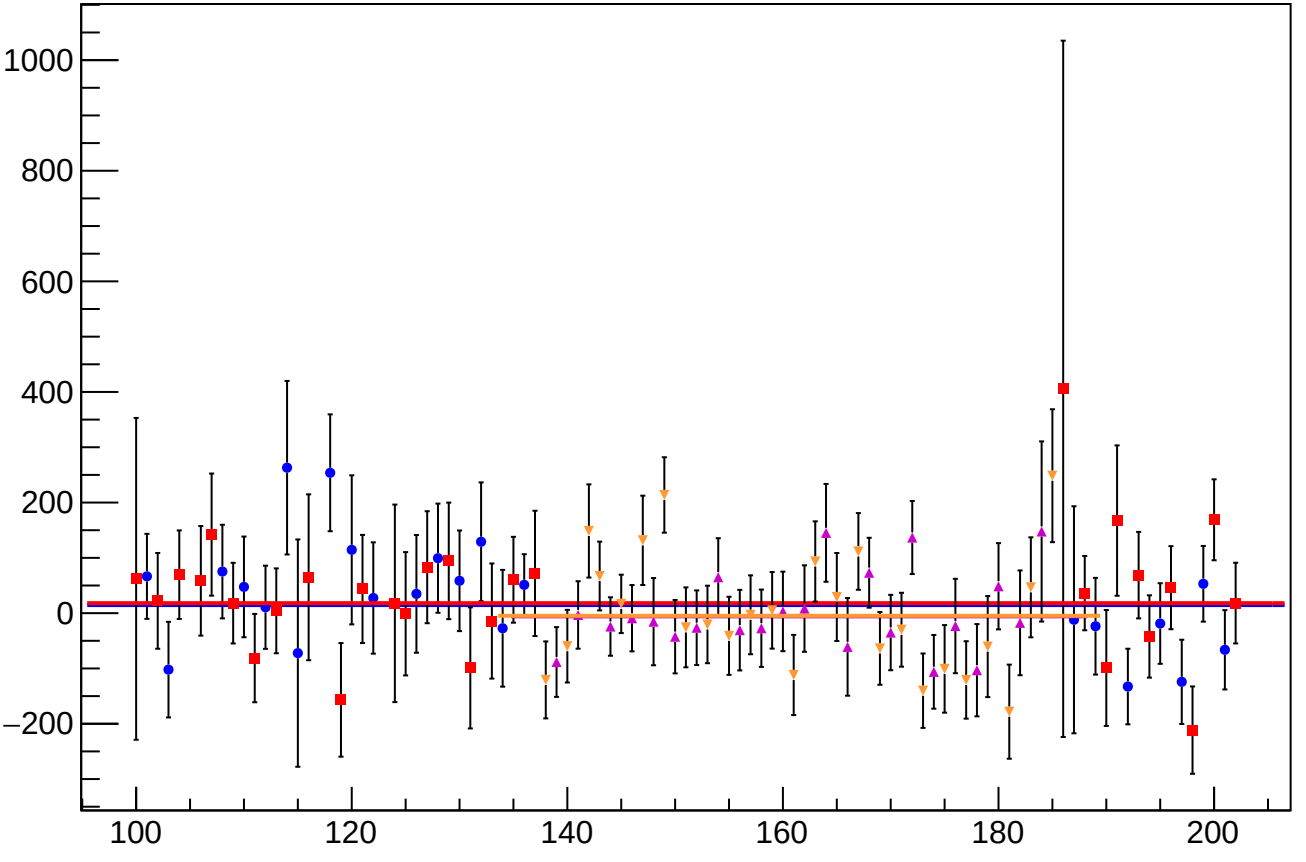
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12443321.6/47

All: 0.000+/-0.000 χ^2/NDF: 26728488.2/99

- sign 0.000+/-0.000 χ^2/NDF: 14262217.4/51

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 14.619+/-18.260 χ^2/NDF: 24.0/22

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 18.068+/-17.180 χ^2/NDF: 26.1/28

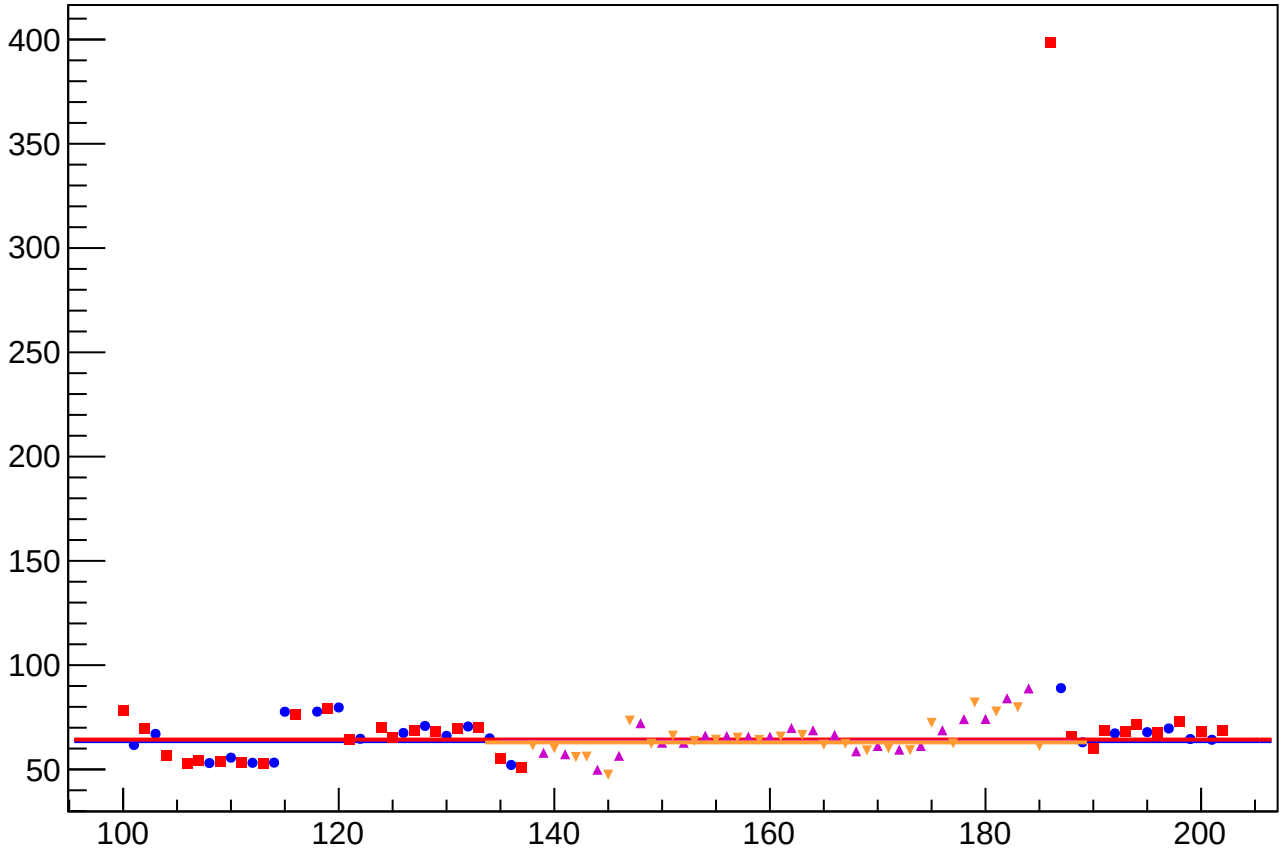
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 2.702+/-11.322 χ^2/NDF: 72.1/47

All: 3.597+/-7.987 χ^2/NDF: 117.5/99

- sign 4.484+/-11.269 χ^2/NDF: 45.4/51

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 63.567+/-0.013 χ^2/NDF: 337370.1/22

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 64.316+/-0.012 χ^2/NDF: 963100.4/28

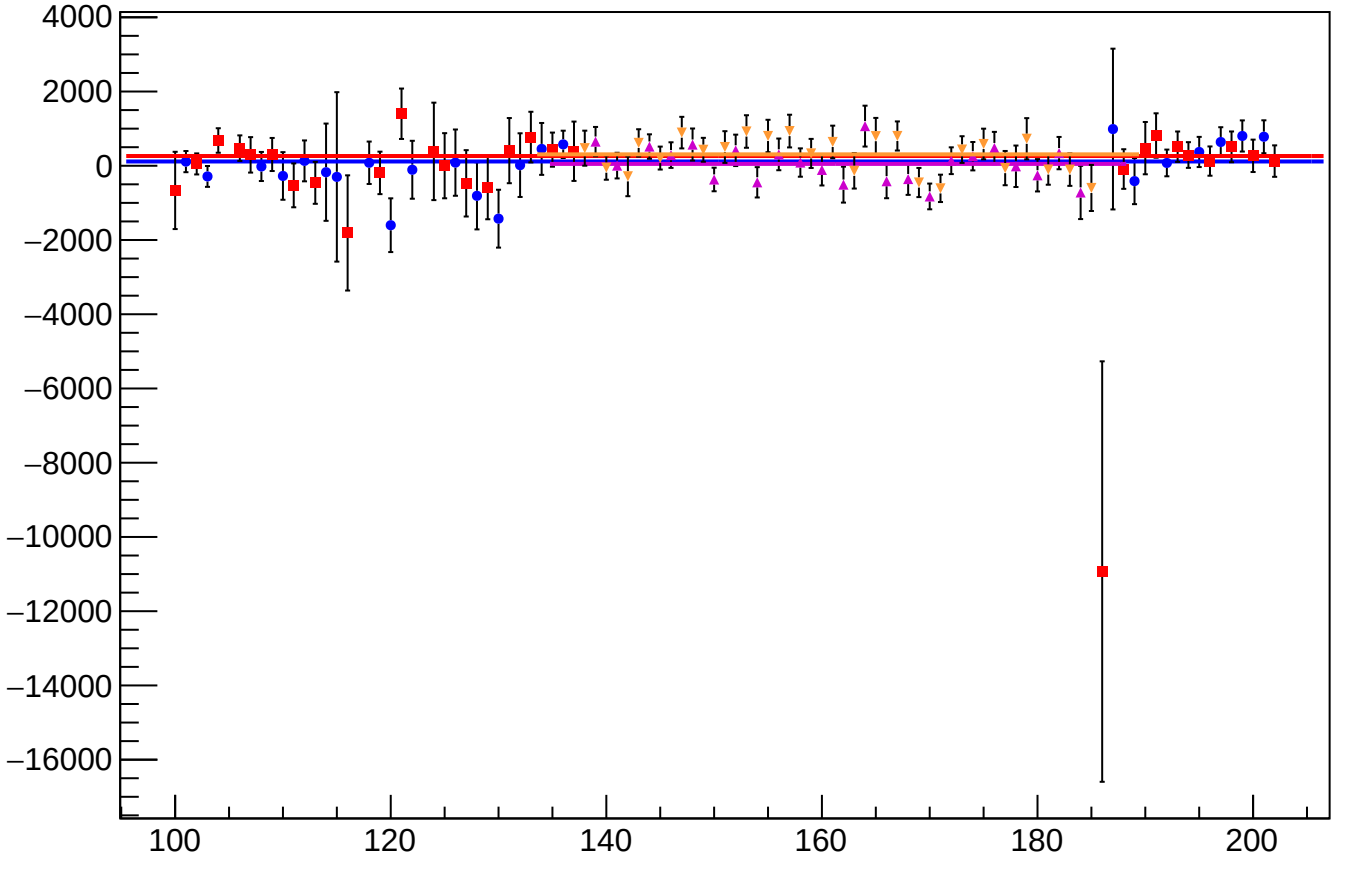
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.203+/-0.008 χ^2/NDF: 865517.6/47

All: 63.490+/-0.006 χ^2/NDF: 2331585.6/99

- sign 63.774+/-0.008 χ^2/NDF: 1463512.4/51

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: 115.405+/-103.630 χ^2/NDF: 23.1/22

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 262.538+/-94.462 χ^2/NDF: 20.8/28

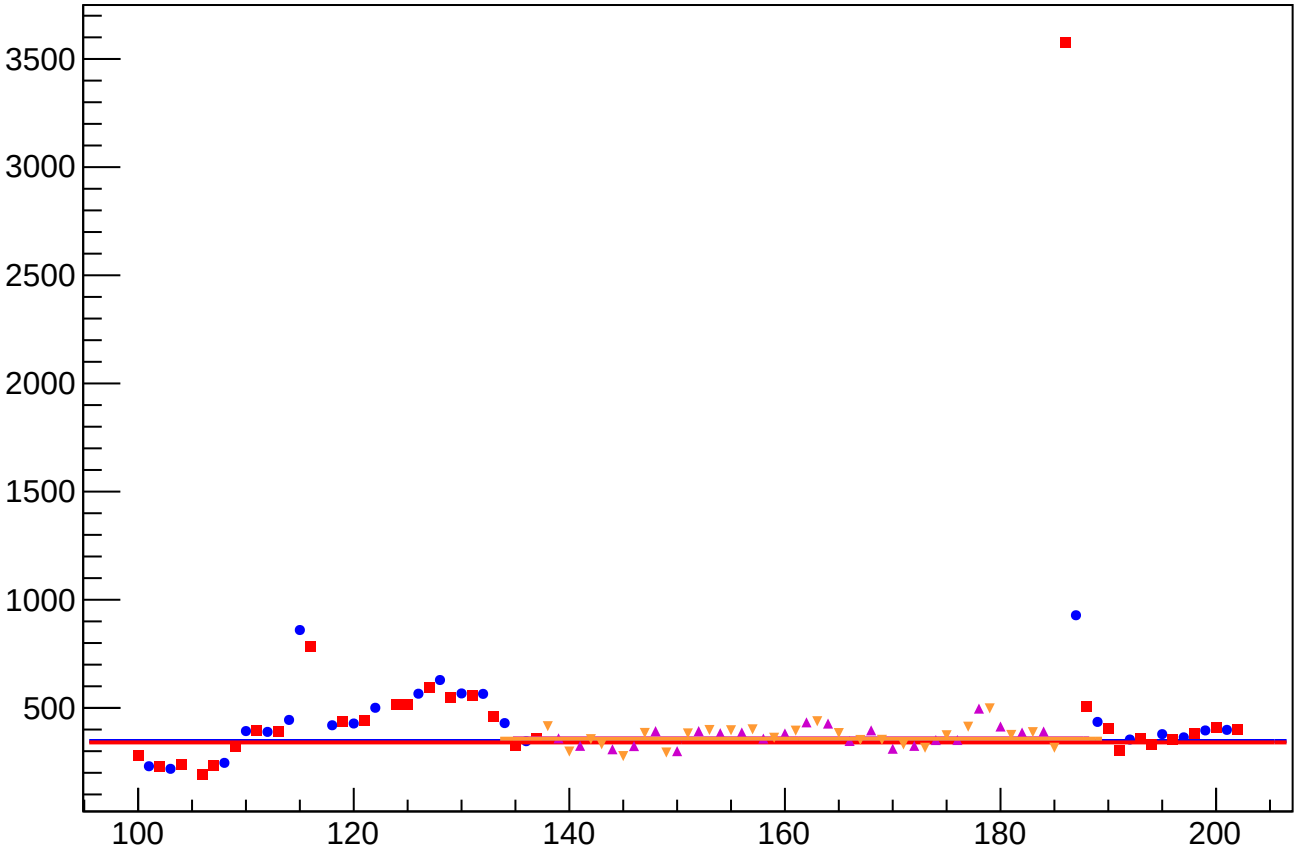
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 232.942+/-64.478 χ^2/NDF: 55.8/47

All: 187.989+/-45.104 χ^2/NDF: 107.7/99

- sign 144.911+/-63.119 χ^2/NDF: 50.9/51

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 347.047+/-0.073 χ^2/NDF: 2040970.0/22

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 340.513+/-0.067 χ^2/NDF: 2875183.2/28

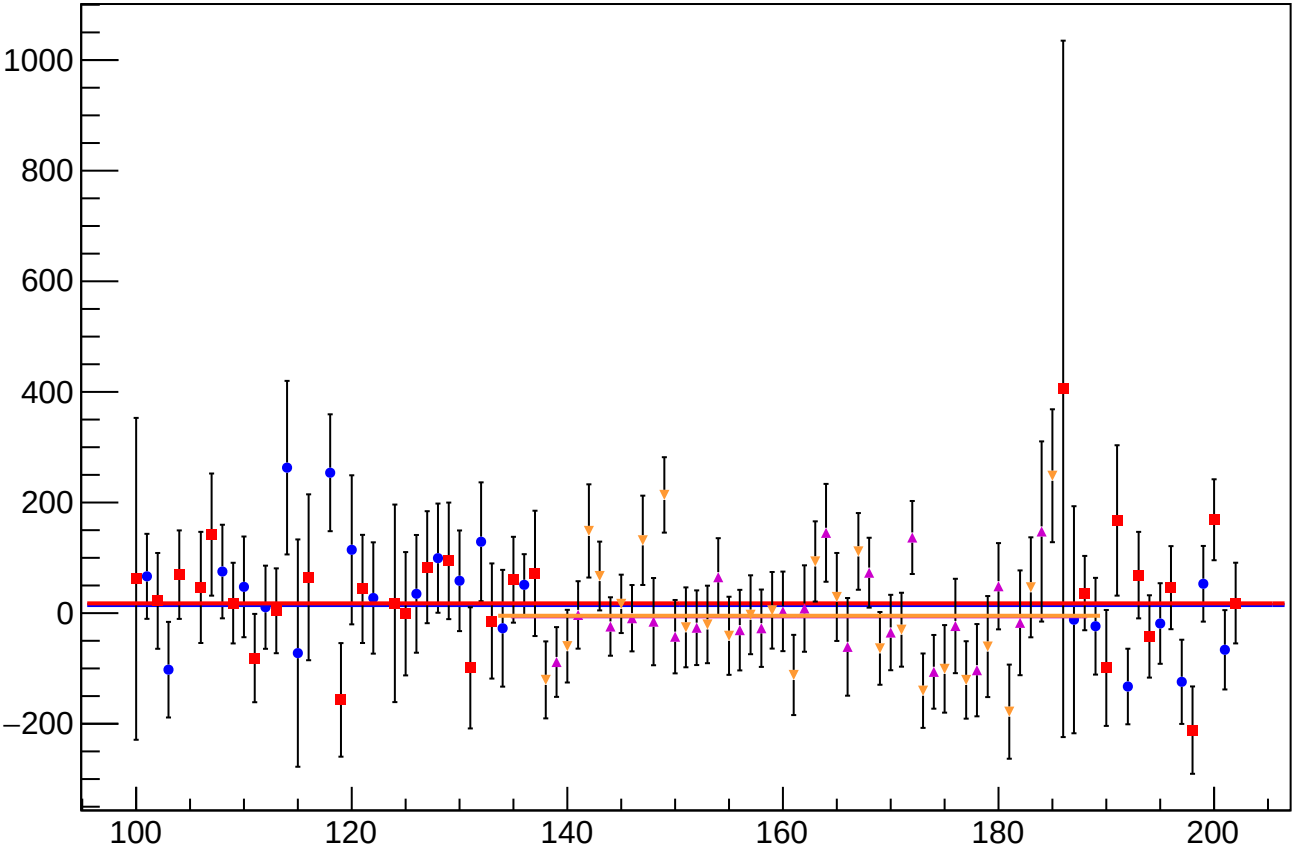
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 353.595+/-0.046 χ^2/NDF: 2737730.0/47

All: 352.239+/-0.032 χ^2/NDF: 6178428.5/99

- sign 350.940+/-0.045 χ^2/NDF: 3438966.0/51

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 14.613+/-18.260 χ^2/NDF: 24.0/22

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 17.684+/-17.187 χ^2/NDF: 26.0/28

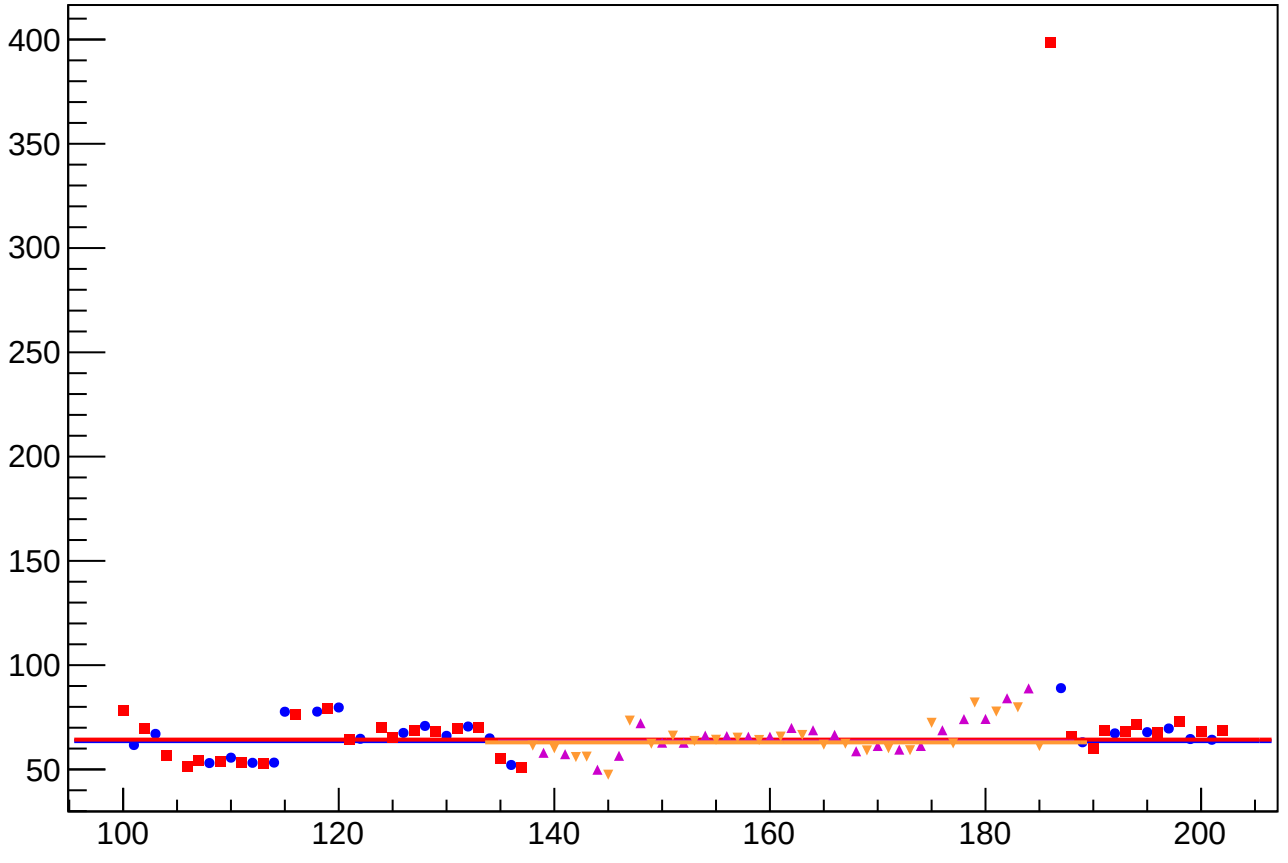
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 2.696+/-11.322 χ^2/NDF: 72.1/47

All: 3.509+/-7.988 χ^2/NDF: 117.4/99

- sign 4.315+/-11.272 χ^2/NDF: 45.3/51

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.567+/-0.013 χ^2/NDF: 337370.3/22

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

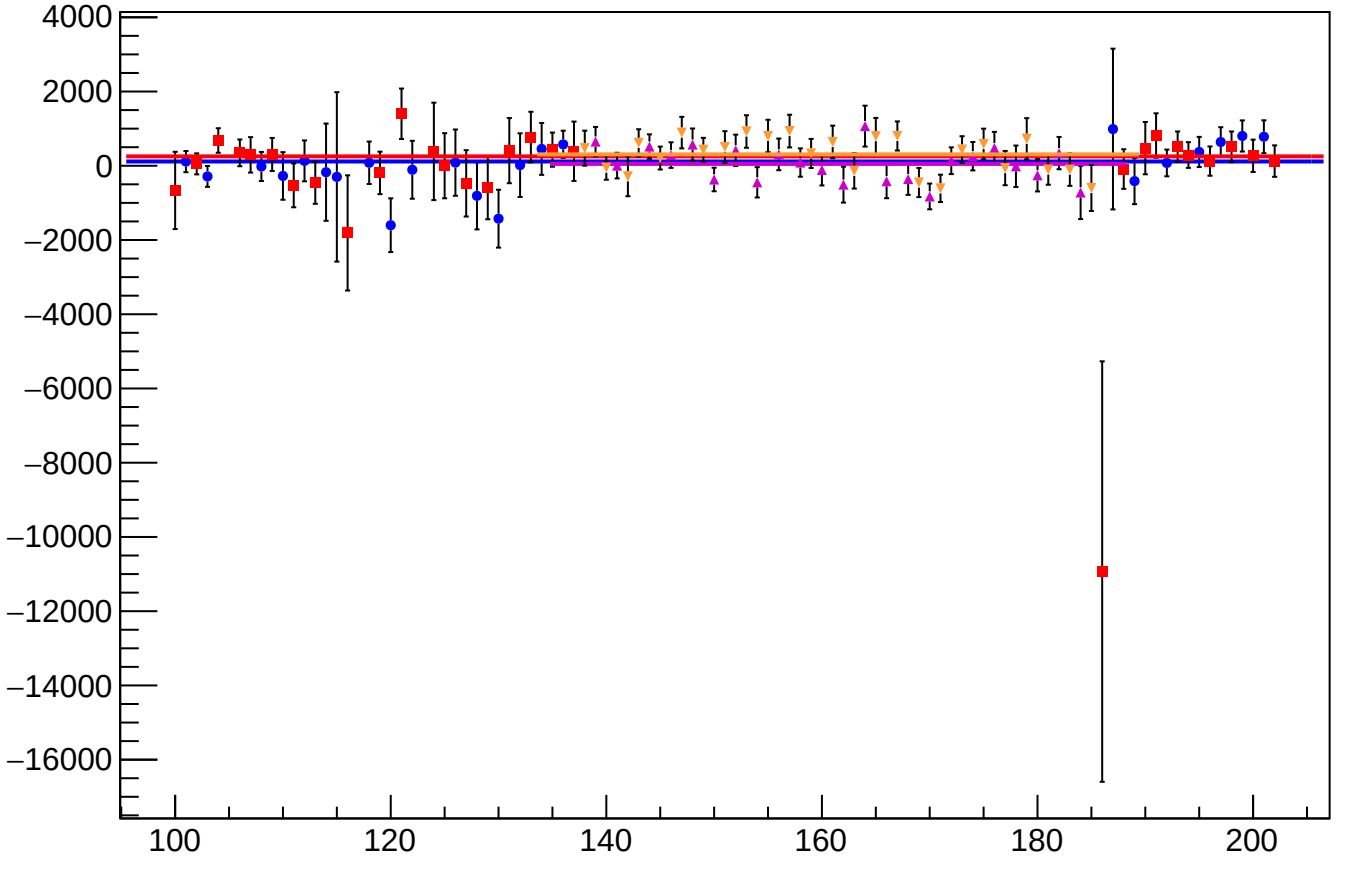
Right Out: 64.295+/-0.012 χ^2/NDF: 967508.1/28

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.203+/-0.008 χ^2/NDF: 865517.8/47

All: 63.485+/-0.006 χ^2/NDF: 2335759.3/99

- sign 63.765+/-0.008 χ^2/NDF: 1467767.5/51



Right In: 115.415+/-103.631 χ^2/NDF: 23.1/22

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 252.552+/-94.780 χ^2/NDF: 20.5/28

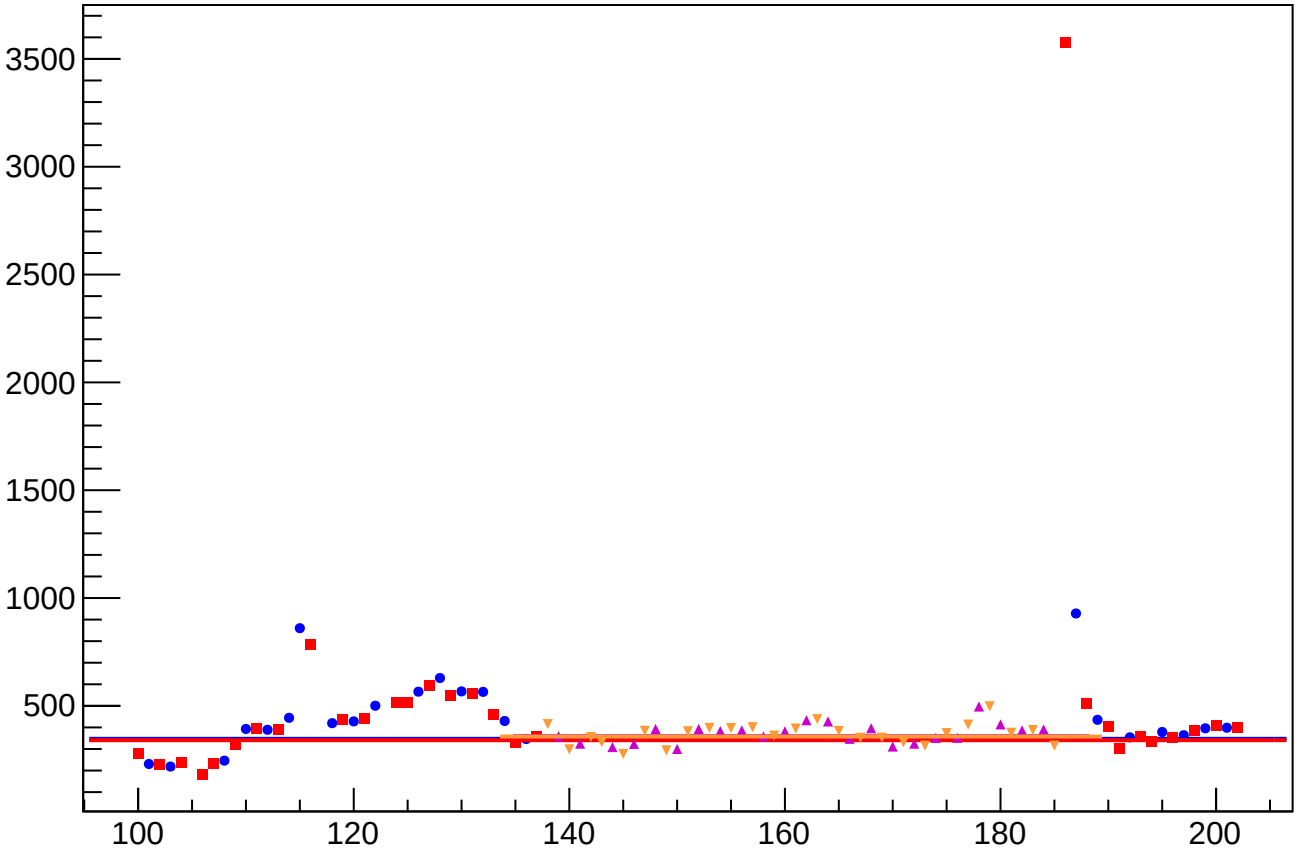
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 232.942+/-64.478 χ^2/NDF: 55.8/47

All: 185.609+/-45.139 χ^2/NDF: 107.2/99

- sign 140.115+/-63.213 χ^2/NDF: 50.3/51

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 347.049+/-0.073 χ^2/NDF: 2040893.2/22

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 340.805+/-0.067 χ^2/NDF: 2891188.4/28

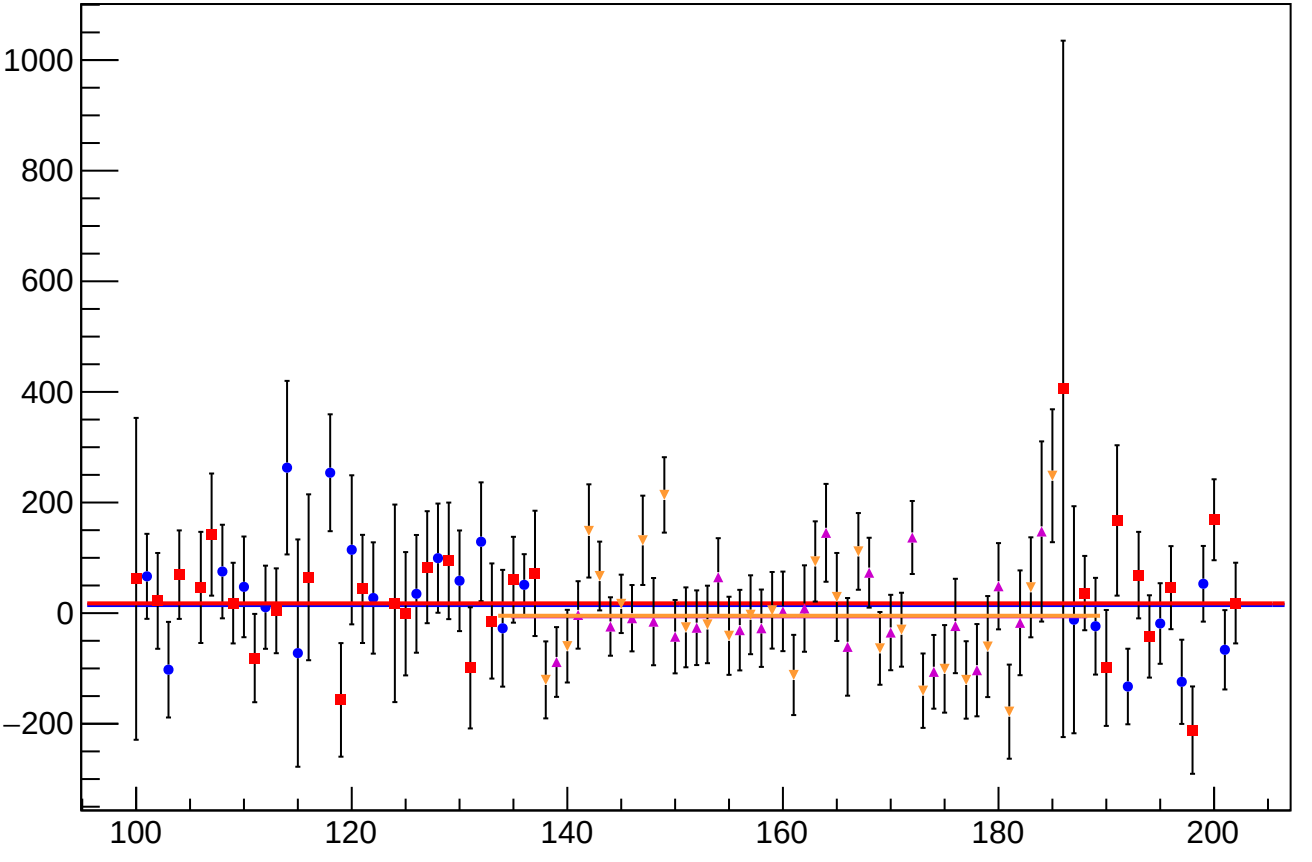
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 353.596+/-0.046 χ^2/NDF: 2737644.6/47

All: 352.324+/-0.032 χ^2/NDF: 6192632.4/99

- sign 351.101+/-0.045 χ^2/NDF: 3453460.4/51

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 14.613+/-18.260 χ^2/NDF: 24.0/22

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 17.684+/-17.187 χ^2/NDF: 26.0/28

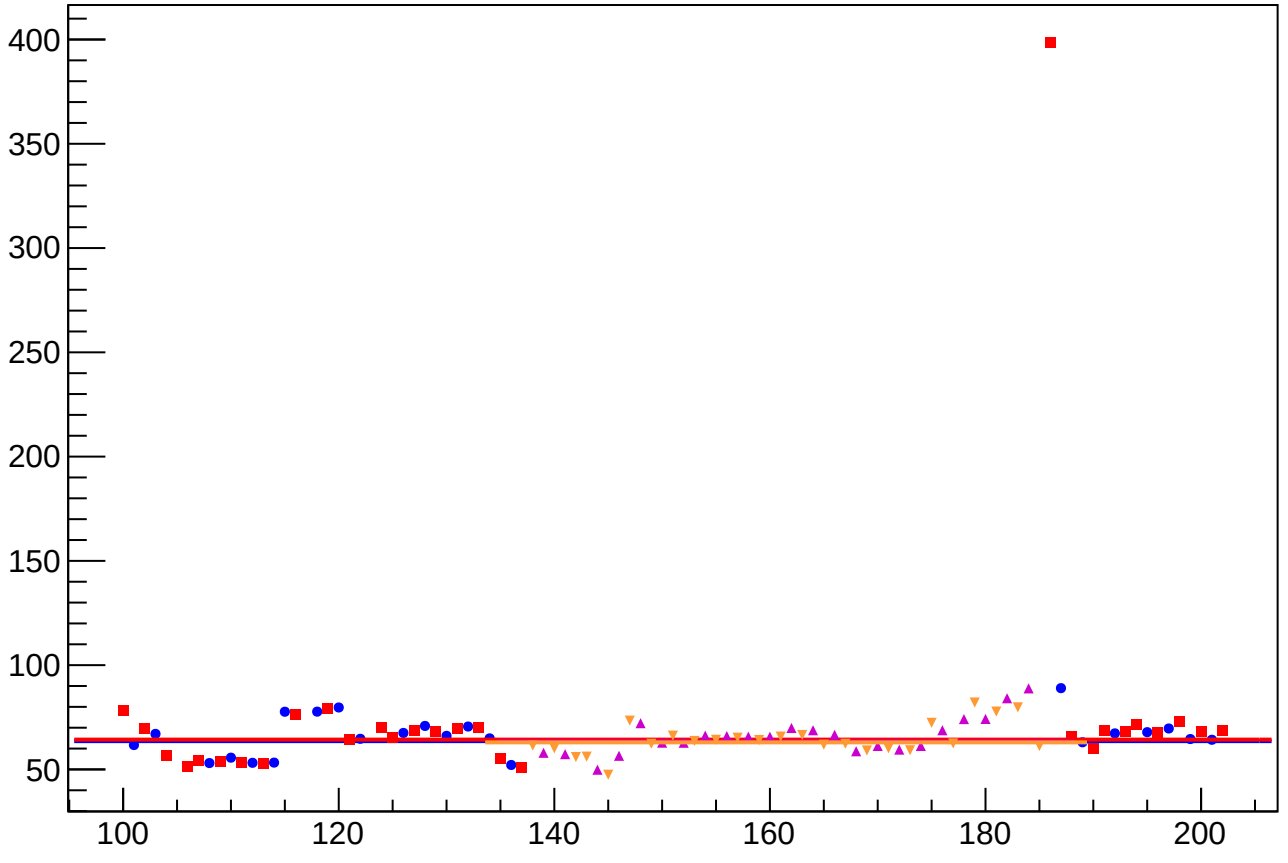
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 2.696+/-11.322 χ^2/NDF: 72.1/47

All: 3.509+/-7.988 χ^2/NDF: 117.4/99

- sign 4.315+/-11.272 χ^2/NDF: 45.3/51

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.567+/-0.013 χ^2/NDF: 337370.3/22

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

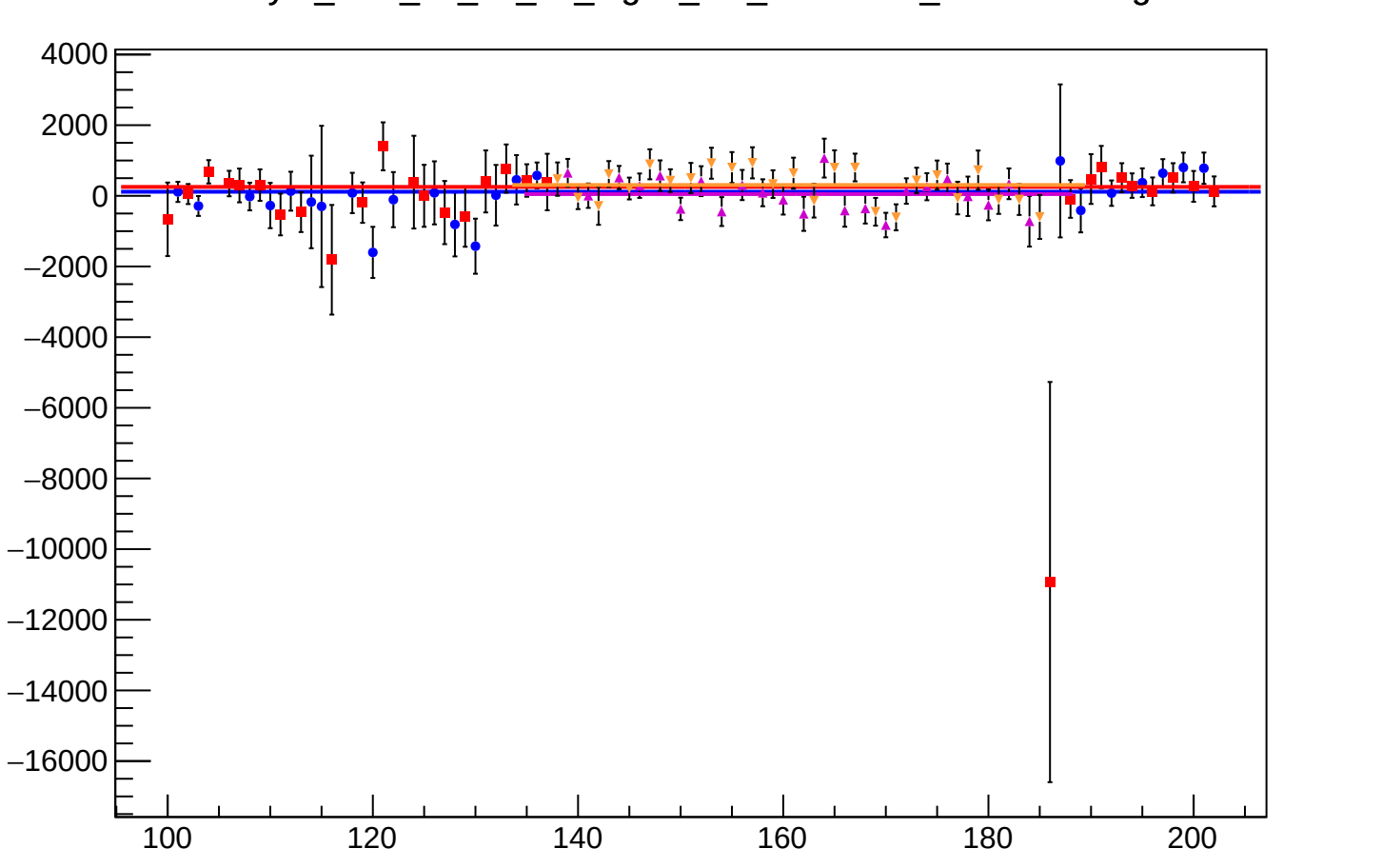
Right Out: 64.295+/-0.012 χ^2/NDF: 967508.1/28

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.203+/-0.008 χ^2/NDF: 865517.8/47

All: 63.485+/-0.006 χ^2/NDF: 2335759.3/99

- sign 63.765+/-0.008 χ^2/NDF: 1467767.5/51



Right In: 115.415+/-103.631 χ^2/NDF: 23.1/22

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

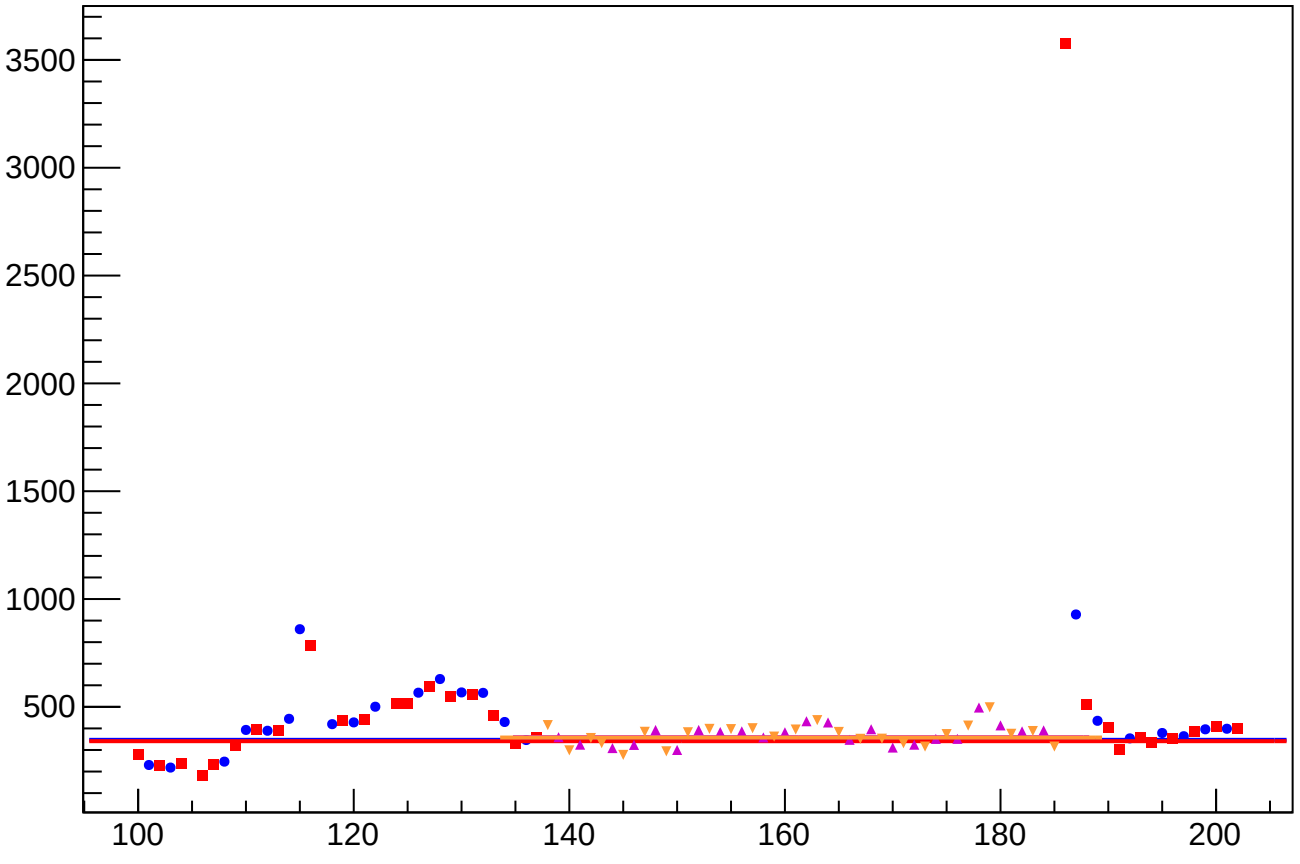
Right Out: 252.552+/-94.780 χ^2/NDF: 20.5/28

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 232.942+/-64.478 χ^2/NDF: 55.8/47

All: 185.609+/-45.139 χ^2/NDF: 107.2/99

- sign 140.115+/-63.213 χ^2/NDF: 50.3/51



Right In: 347.049+/-0.073 χ^2/NDF: 2040893.2/22

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 340.805+/-0.067 χ^2/NDF: 2891188.4/28

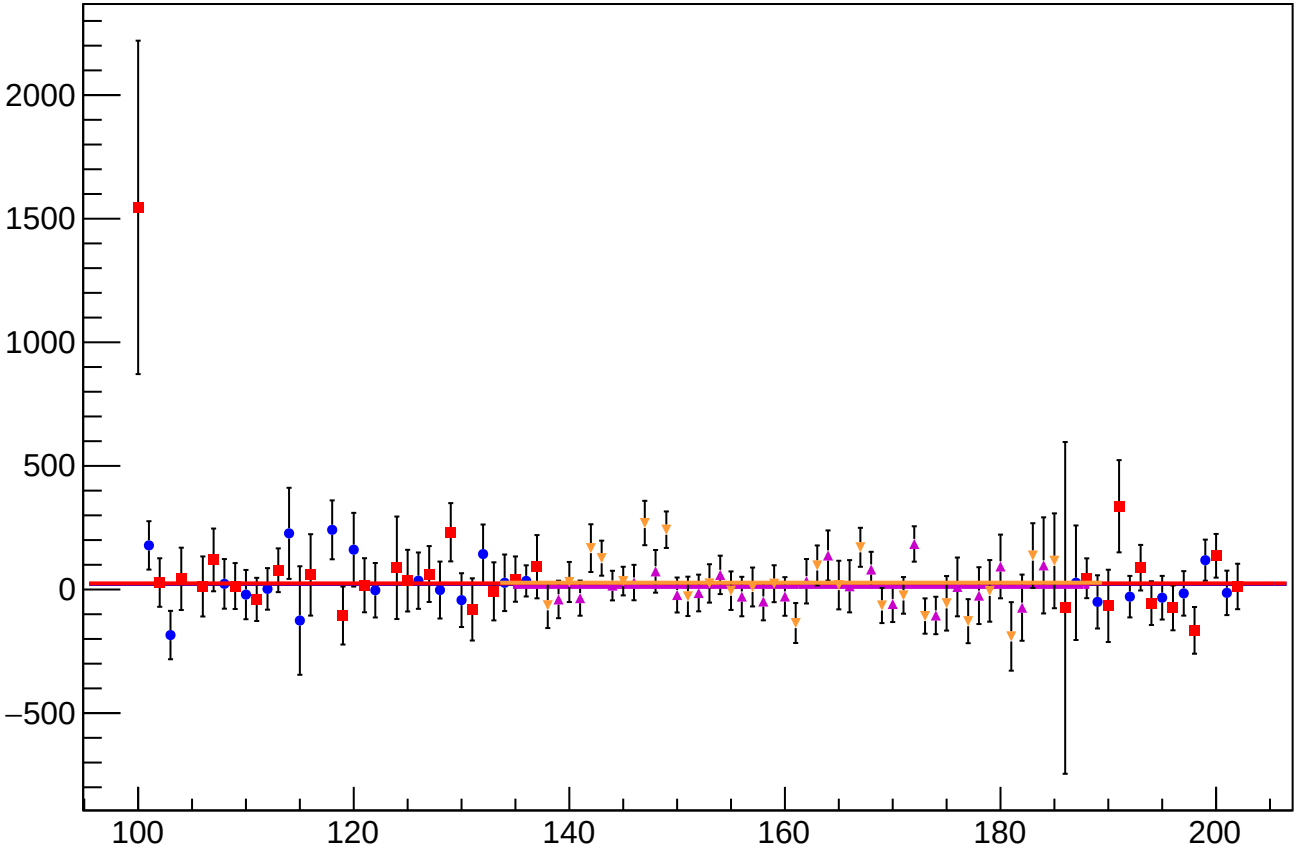
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 353.596+/-0.046 χ^2/NDF: 2737644.6/47

All: 352.324+/-0.032 χ^2/NDF: 6192632.4/99

- sign 351.101+/-0.045 χ^2/NDF: 3453460.4/51

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 22.385+/-21.320 χ^2/NDF: 17.6/22

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 24.647+/-20.506 χ^2/NDF: 23.7/28

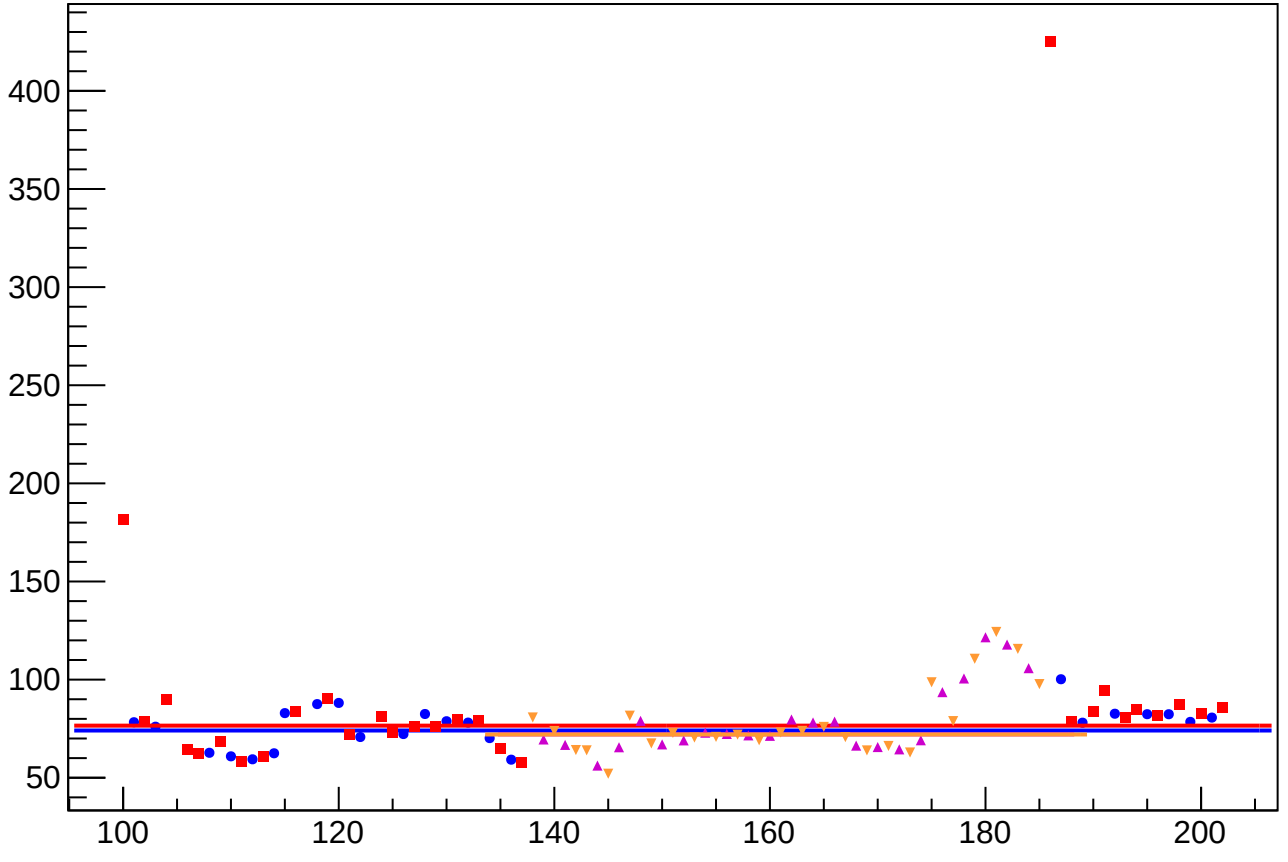
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 25.627+/-13.167 χ^2/NDF: 60.0/47

All: 21.004+/-9.318 χ^2/NDF: 100.3/99

- sign 16.365+/-13.189 χ^2/NDF: 40.0/51

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 74.066+/-0.015 χ^2/NDF: 412864.5/22

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

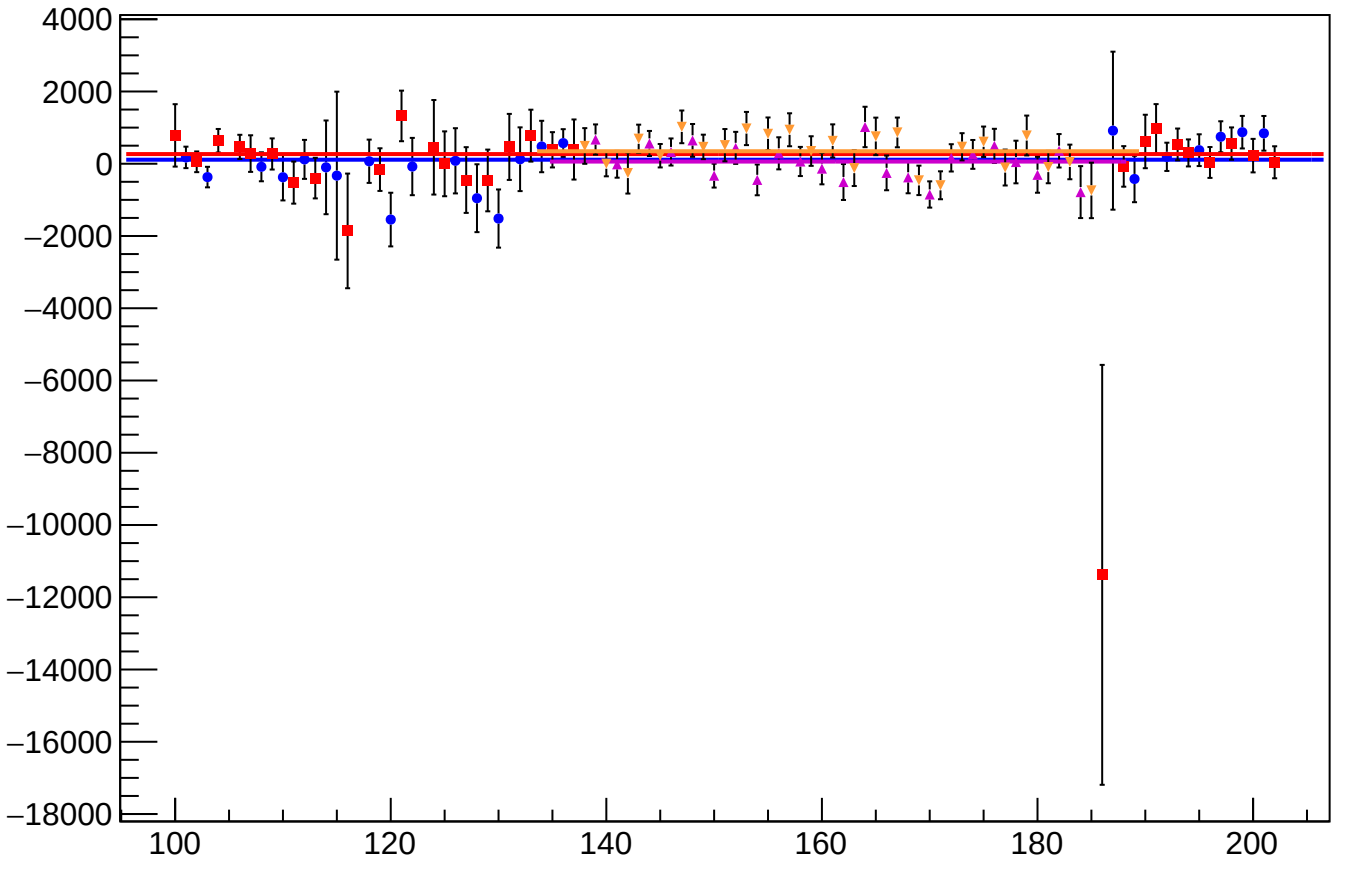
Right Out: 76.550+/-0.014 χ^2/NDF: 1045893.9/28

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.813+/-0.009 χ^2/NDF: 1693498.9/47

All: 73.374+/-0.007 χ^2/NDF: 3860929.0/99

- sign 73.936+/-0.009 χ^2/NDF: 2160166.7/51



Right In: 111.577+/-108.037 χ^2/NDF: 24.5/22

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 267.439+/-97.380 χ^2/NDF: 19.5/28

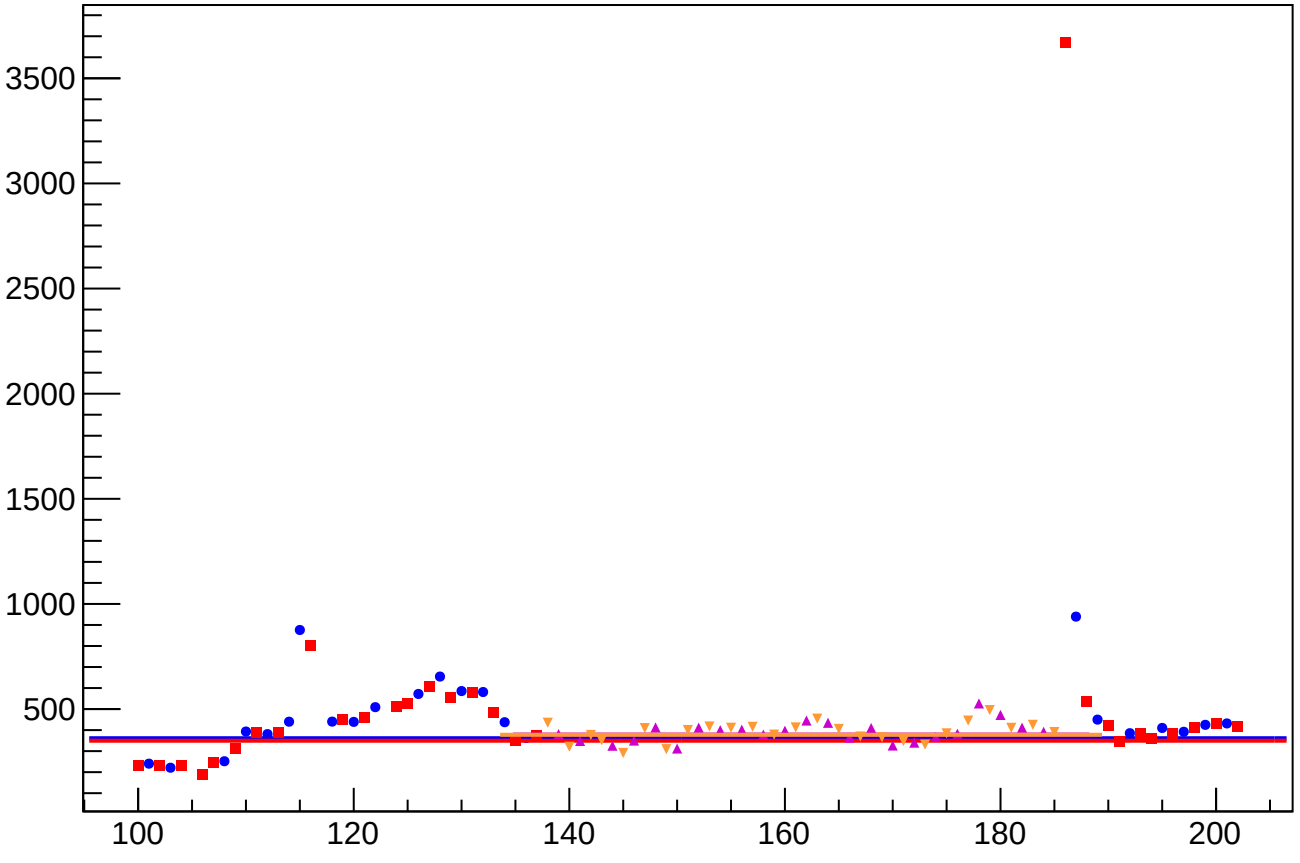
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 253.995+/-67.677 χ^2/NDF: 56.3/47

All: 203.067+/-47.199 χ^2/NDF: 105.2/99

- sign 154.836+/-65.861 χ^2/NDF: 47.8/51

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 361.410+/-0.076 χ^2/NDF: 2115704.6/22

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 349.484+/-0.069 χ^2/NDF: 3151605.5/28

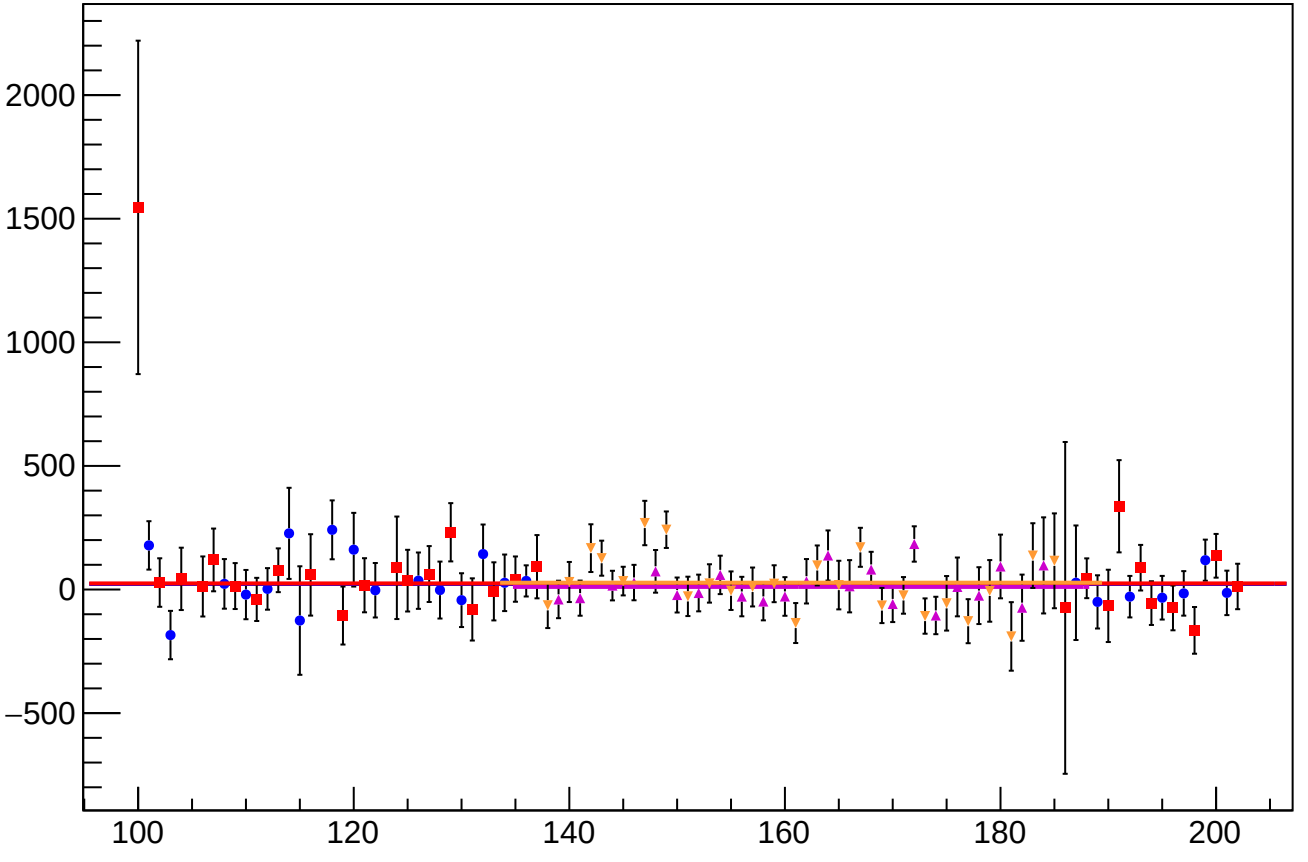
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 371.367+/-0.048 χ^2/NDF: 2780375.5/47

All: 368.316+/-0.033 χ^2/NDF: 6566389.4/99

- sign 365.428+/-0.047 χ^2/NDF: 3778104.4/51

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 22.384+/-21.320 χ^2/NDF: 17.6/22

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 24.647+/-20.506 χ^2/NDF: 23.7/28

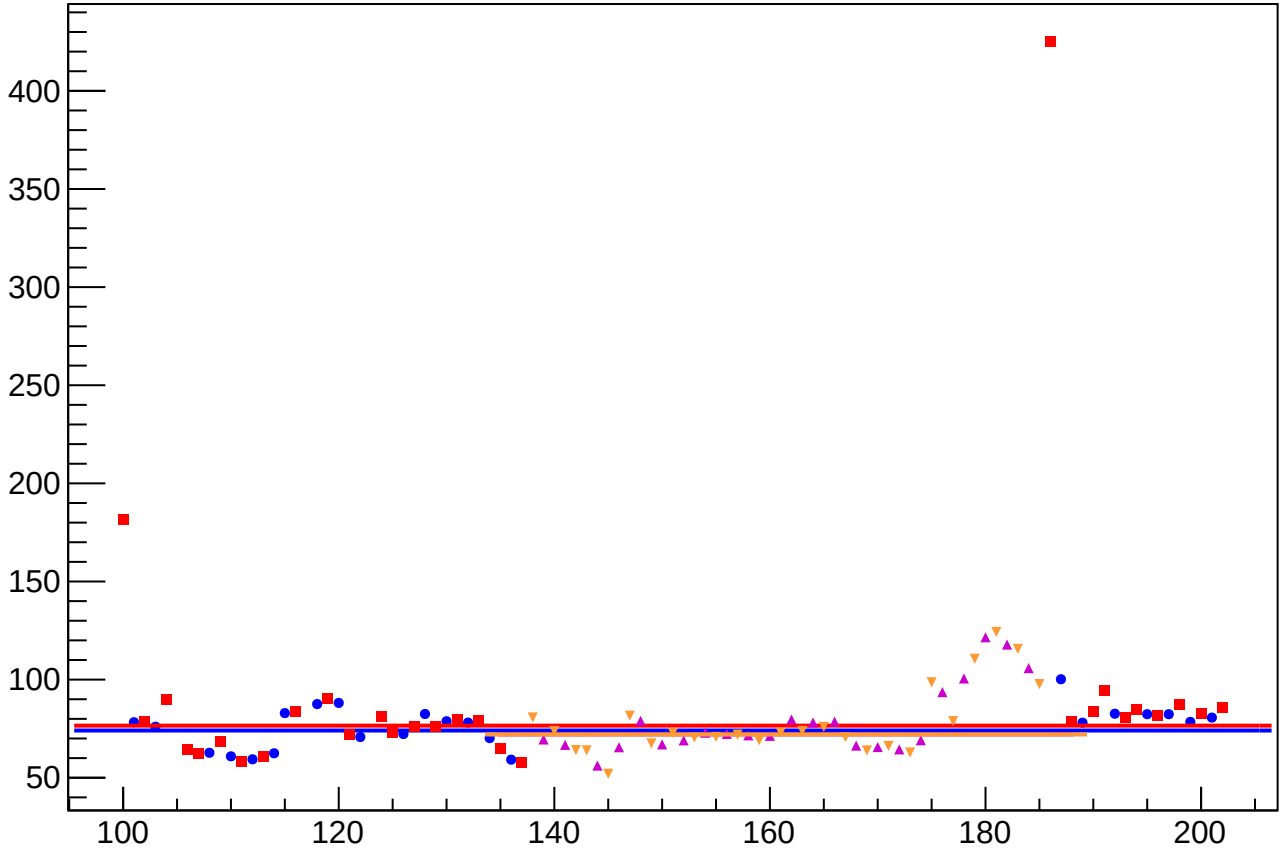
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 25.627+/-13.167 χ^2/NDF: 60.0/47

All: 21.003+/-9.318 χ^2/NDF: 100.3/99

- sign 16.365+/-13.189 χ^2/NDF: 40.0/51

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 74.066+/-0.015 χ^2/NDF: 412860.0/22

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

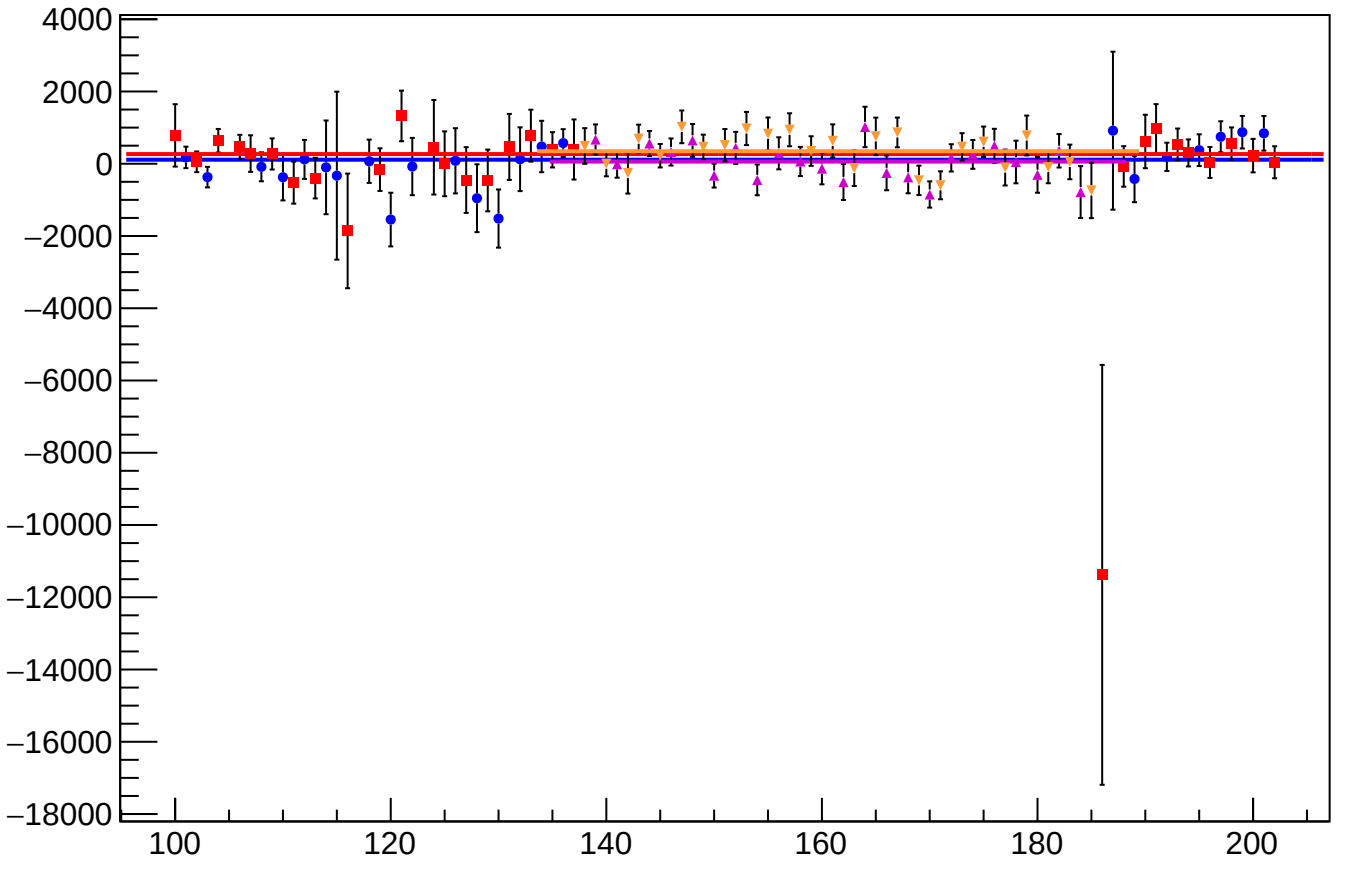
Right Out: 76.550+/-0.014 χ^2/NDF: 1045891.9/28

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.813+/-0.009 χ^2/NDF: 1693502.1/47

All: 73.374+/-0.007 χ^2/NDF: 3860919.7/99

- sign 73.936+/-0.009 χ^2/NDF: 2160154.6/51



Right In: 111.576+/-108.037 χ^2/NDF: 24.5/22

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

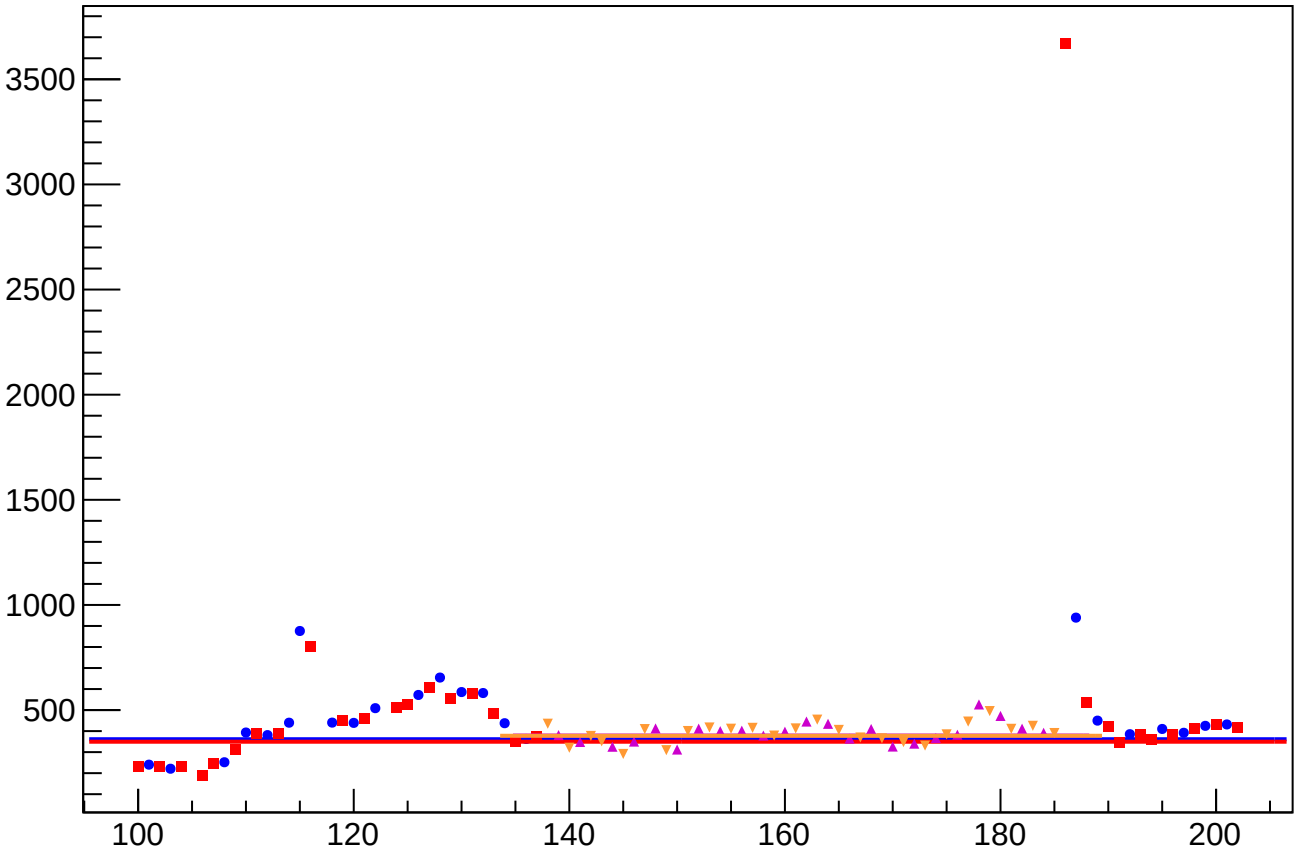
Right Out: 267.439+/-97.380 χ^2/NDF: 19.5/28

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 253.994+/-67.677 χ^2/NDF: 56.3/47

All: 203.067+/-47.199 χ^2/NDF: 105.2/99

- sign 154.836+/-65.861 χ^2/NDF: 47.8/51



Right In: 361.410+/-0.076 χ^2/NDF: 2115698.4/22

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 349.484+/-0.069 χ^2/NDF: 3151593.6/28

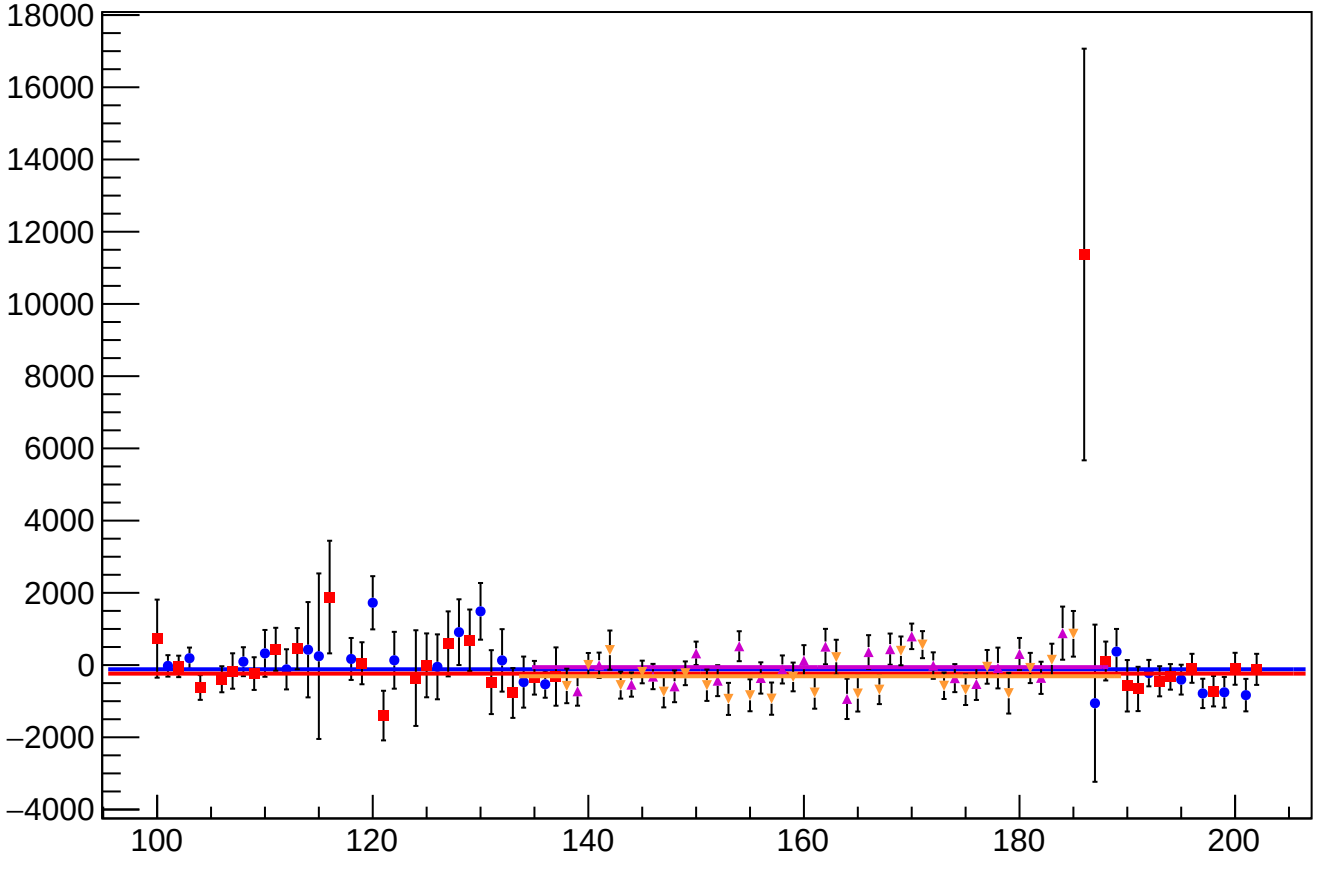
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 371.366+/-0.048 χ^2/NDF: 2780368.1/47

All: 368.316+/-0.033 χ^2/NDF: 6566365.6/99

- sign 365.428+/-0.047 χ^2/NDF: 3778087.9/51

asym_sam_37_48_dd_mean vs Slug



Right In: -116.849+/-105.940 χ^2/NDF: 24.6/22

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -236.994+/-96.698 χ^2/NDF: 20.5/28

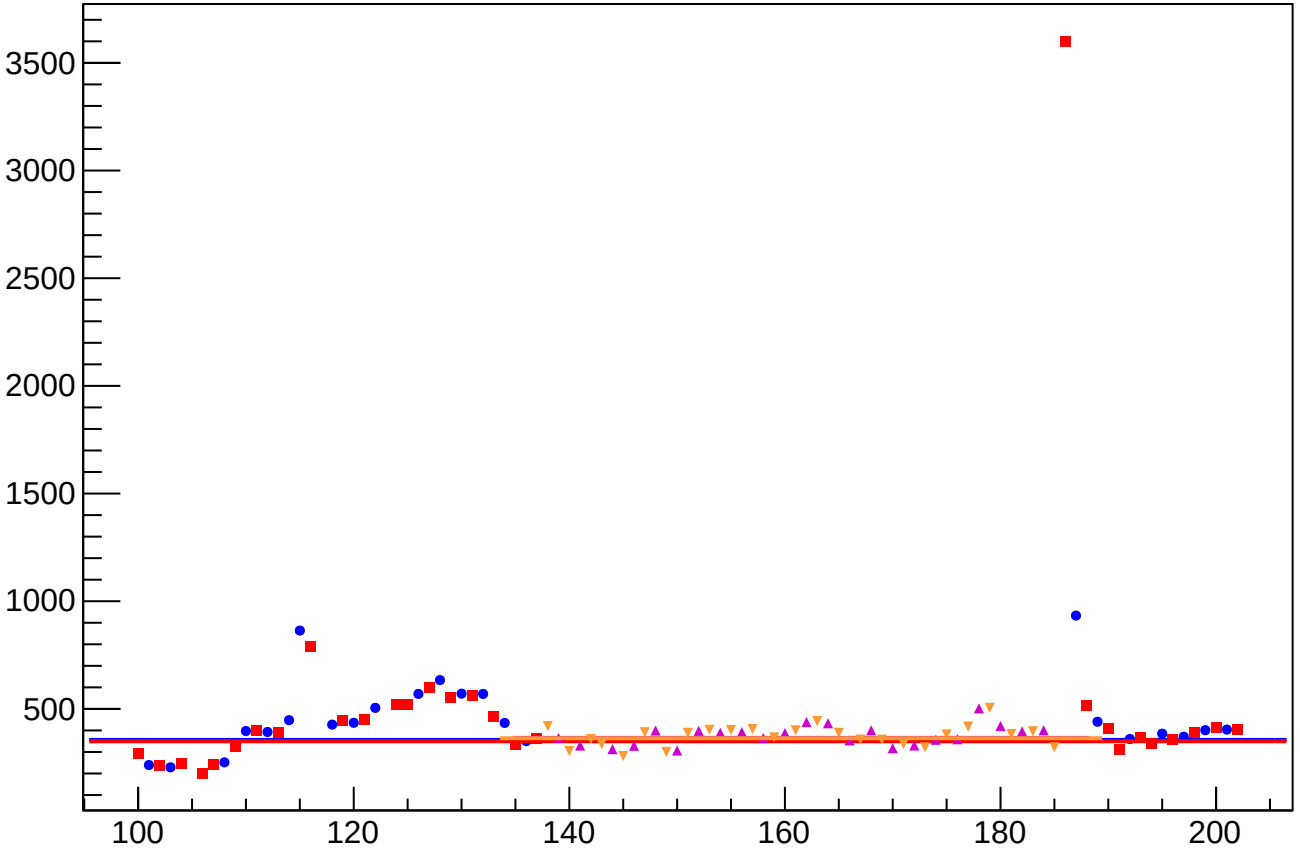
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -235.350+/-65.678 χ^2/NDF: 56.6/47

All: -185.189+/-45.967 χ^2/NDF: 108.1/99

- sign -137.028+/-64.355 χ^2/NDF: 50.4/51

asym_sam_37_48_dd_rms vs Slug



Right In: 355.894+/-0.075 χ^2/NDF: 1898639.4/22

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

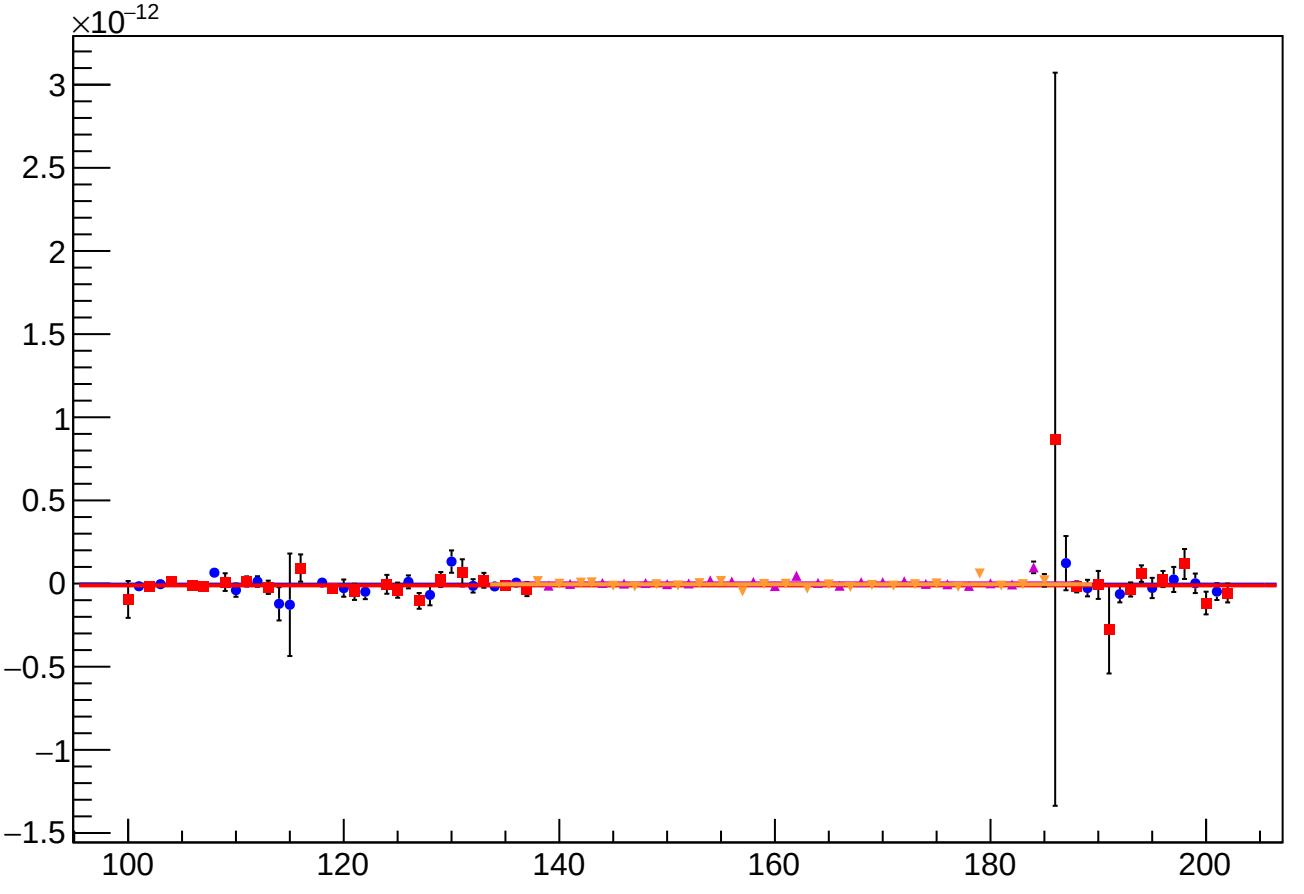
Right Out: 349.724+/-0.068 χ^2/NDF: 2707887.8/28

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 360.708+/-0.046 χ^2/NDF: 2574594.0/47

All: 359.538+/-0.033 χ^2/NDF: 5822221.4/99

- sign 358.414+/-0.046 χ^2/NDF: 3246382.5/51



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

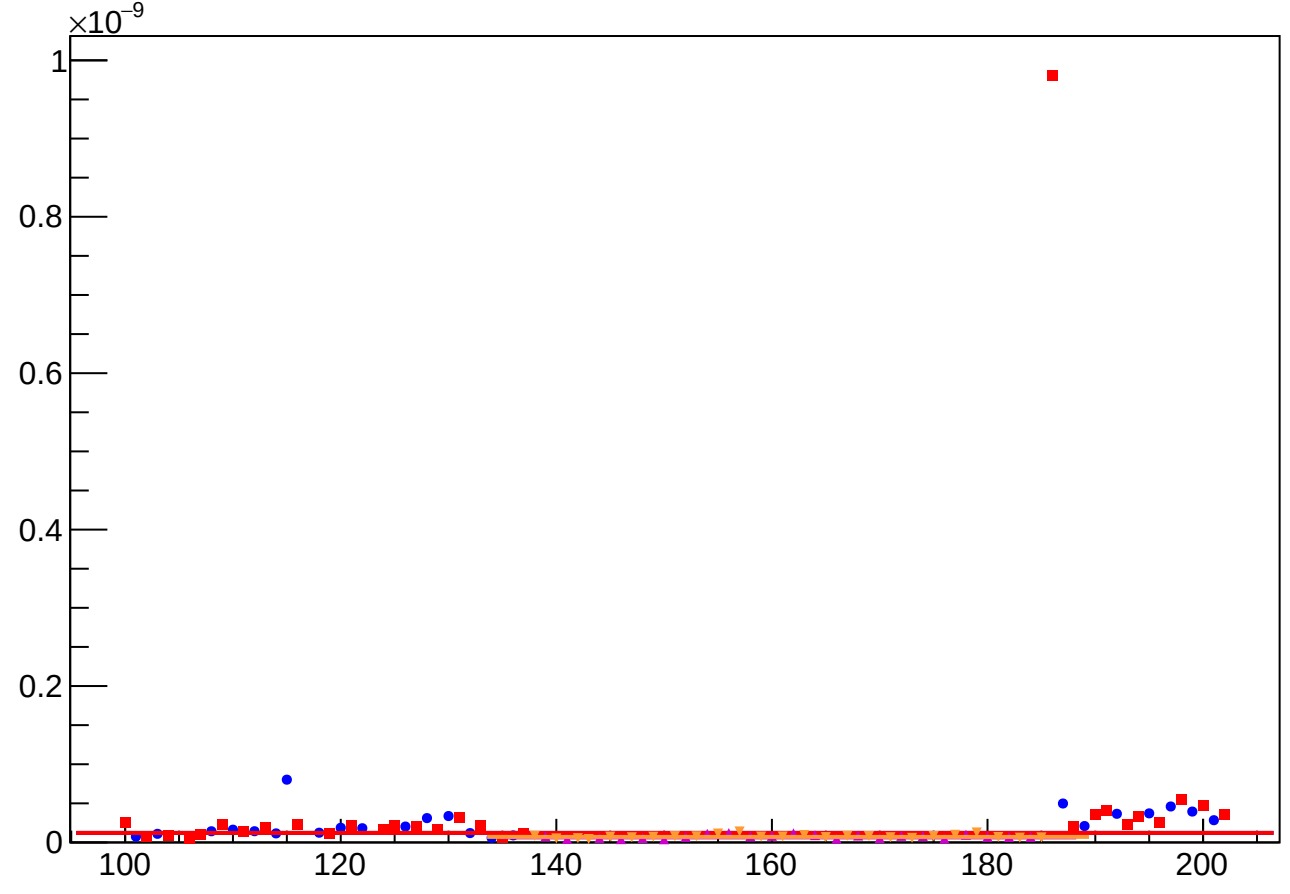
Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/28

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/47

All: -0.000+/-0.000 χ^2/NDF: 89.8/99

- sign -0.000+/-0.000 χ^2/NDF: 46.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 3360431.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4313616.3/28

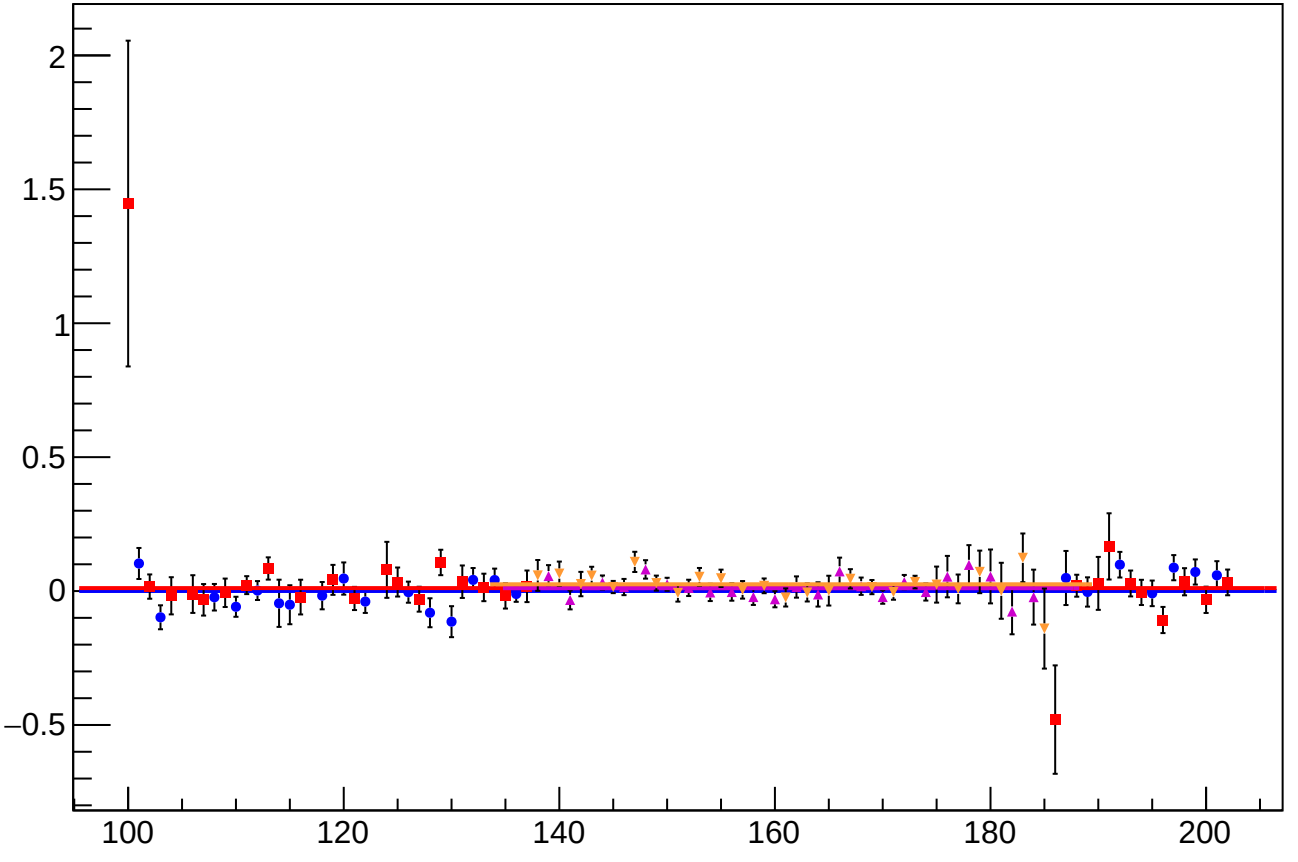
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5362069.0/47

All: 0.000+/-0.000 χ^2/NDF: 12447118.1/99

- sign 0.000+/-0.000 χ^2/NDF: 7036166.5/51

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.010 χ^2/NDF: 32.6/22

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.011+/-0.010 χ^2/NDF: 32.1/28

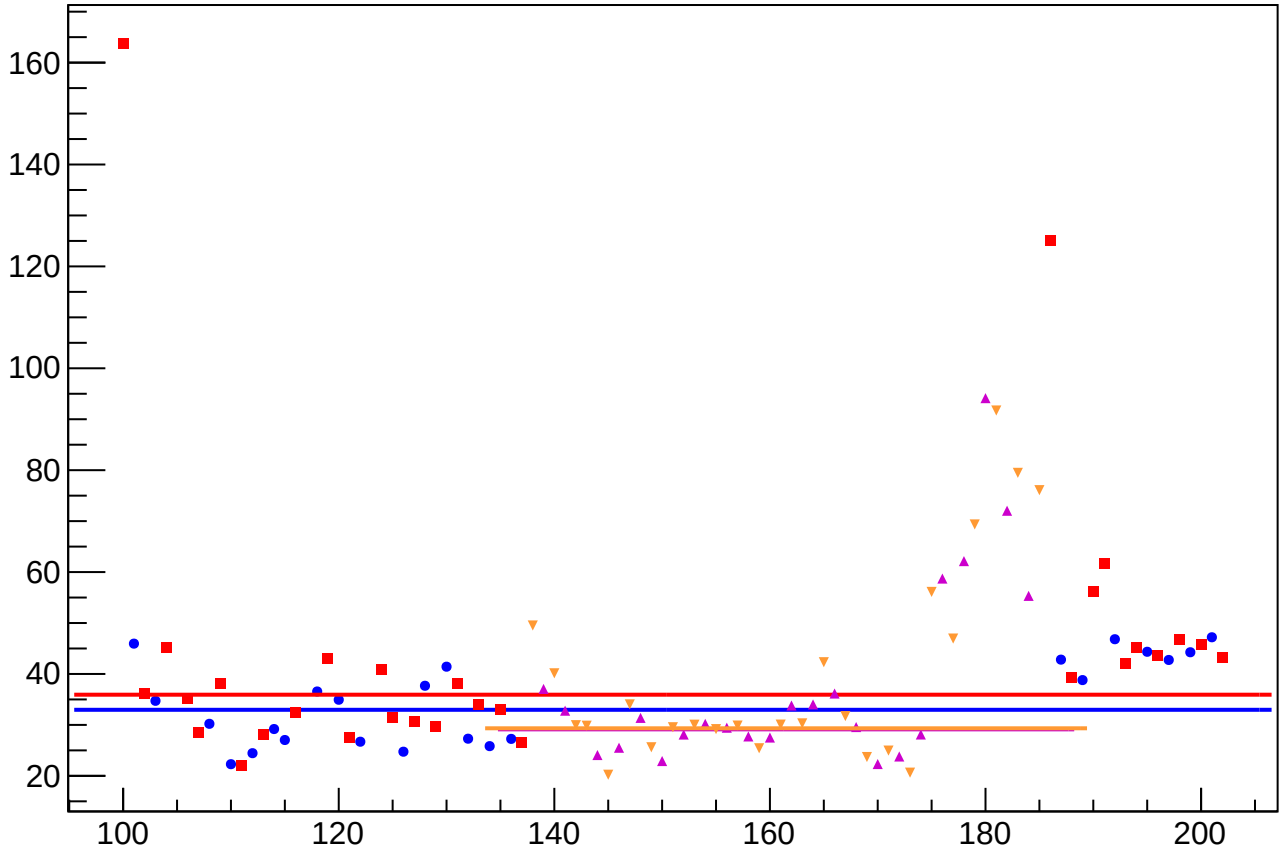
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.017+/-0.006 χ^2/NDF: 54.2/47

All: 0.014+/-0.004 χ^2/NDF: 105.7/99

- sign 0.011+/-0.006 χ^2/NDF: 51.0/51

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 32.966+/-0.007 χ^2/NDF: 1443663.6/22

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

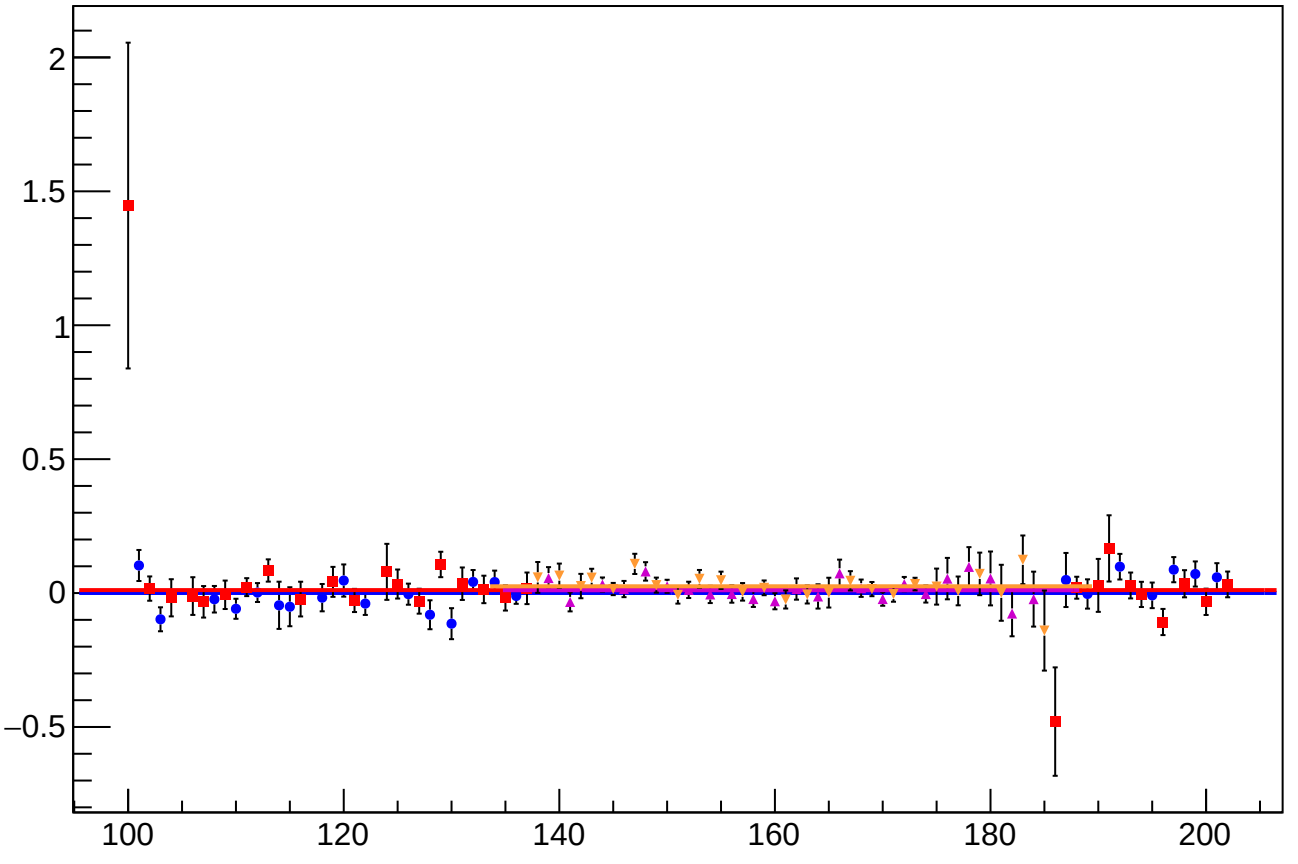
Right Out: 35.929+/-0.007 χ^2/NDF: 1776880.3/28

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.597+/-0.004 χ^2/NDF: 5496362.9/47

All: 31.048+/-0.003 χ^2/NDF: 10747334.4/99

- sign 31.512+/-0.004 χ^2/NDF: 5226396.1/51



Right In: 0.000+/-0.010 χ^2/NDF: 32.6/22

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

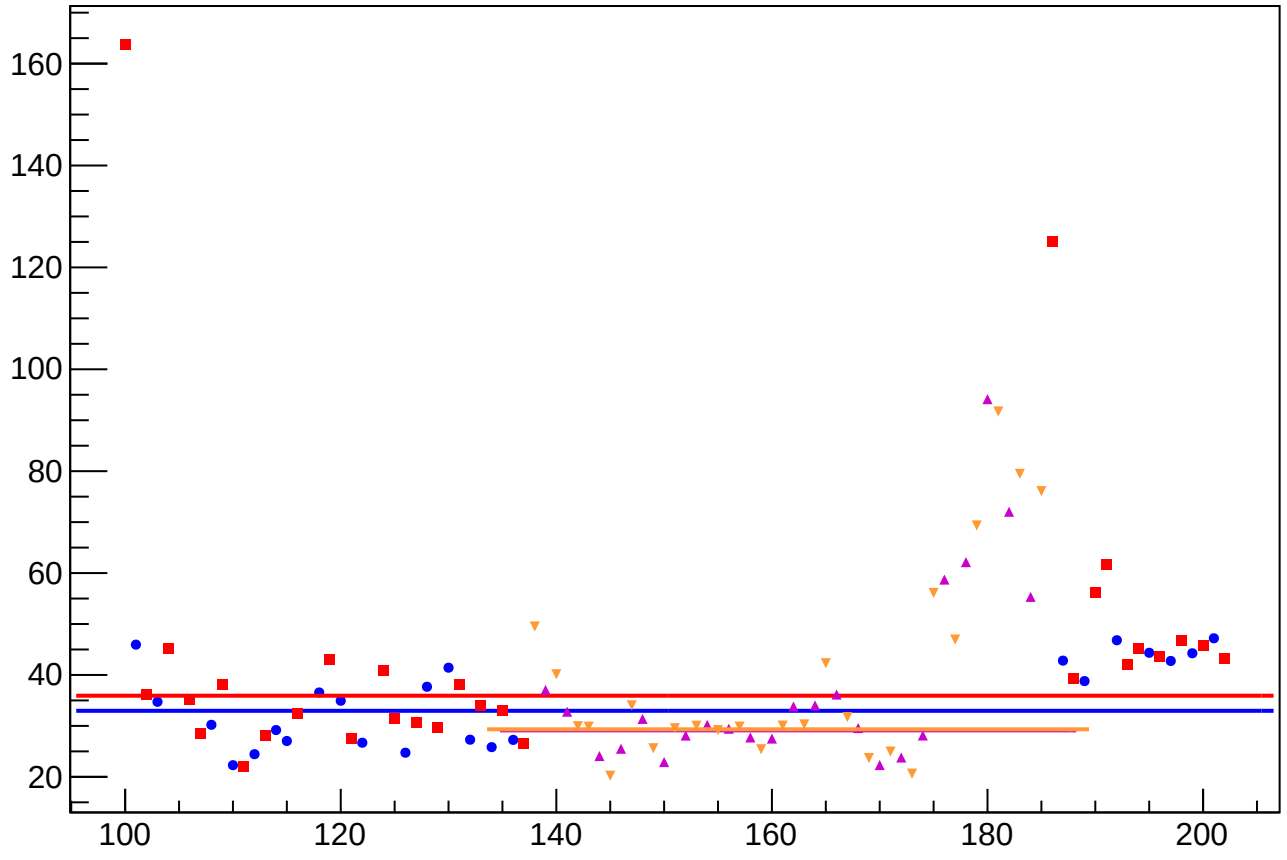
Right Out: 0.011+/-0.010 χ^2/NDF: 32.1/28

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.017+/-0.006 χ^2/NDF: 54.2/47

All: 0.014+/-0.004 χ^2/NDF: 105.7/99

- sign 0.011+/-0.006 χ^2/NDF: 51.0/51



Right In: 32.966+/-0.007 χ^2/NDF: 1443663.6/22

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

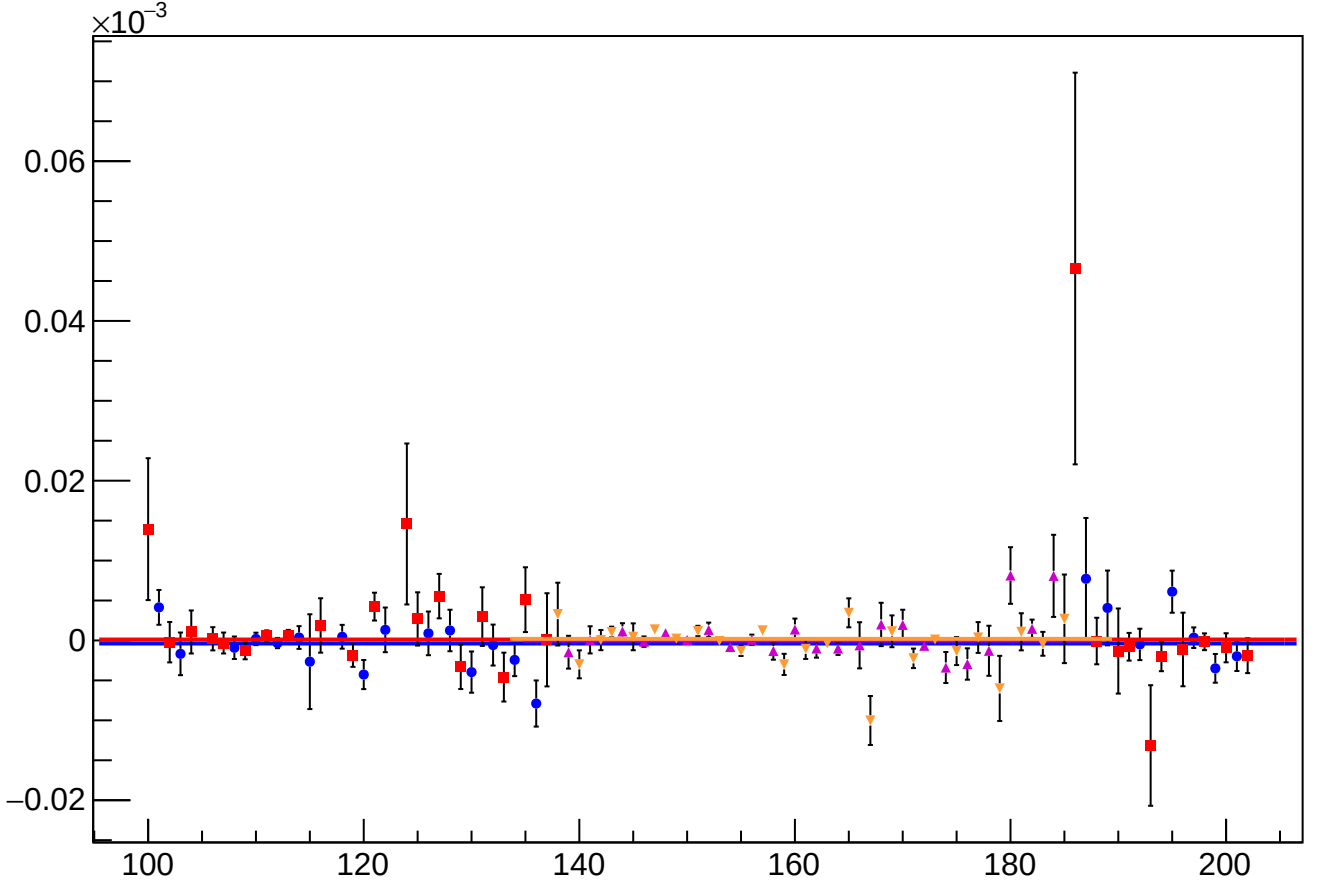
Right Out: 35.929+/-0.007 χ^2/NDF: 1776880.3/28

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.597+/-0.004 χ^2/NDF: 5496362.9/47

All: 31.048+/-0.003 χ^2/NDF: 10747334.4/99

- sign 31.512+/-0.004 χ^2/NDF: 5226396.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 33.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/28

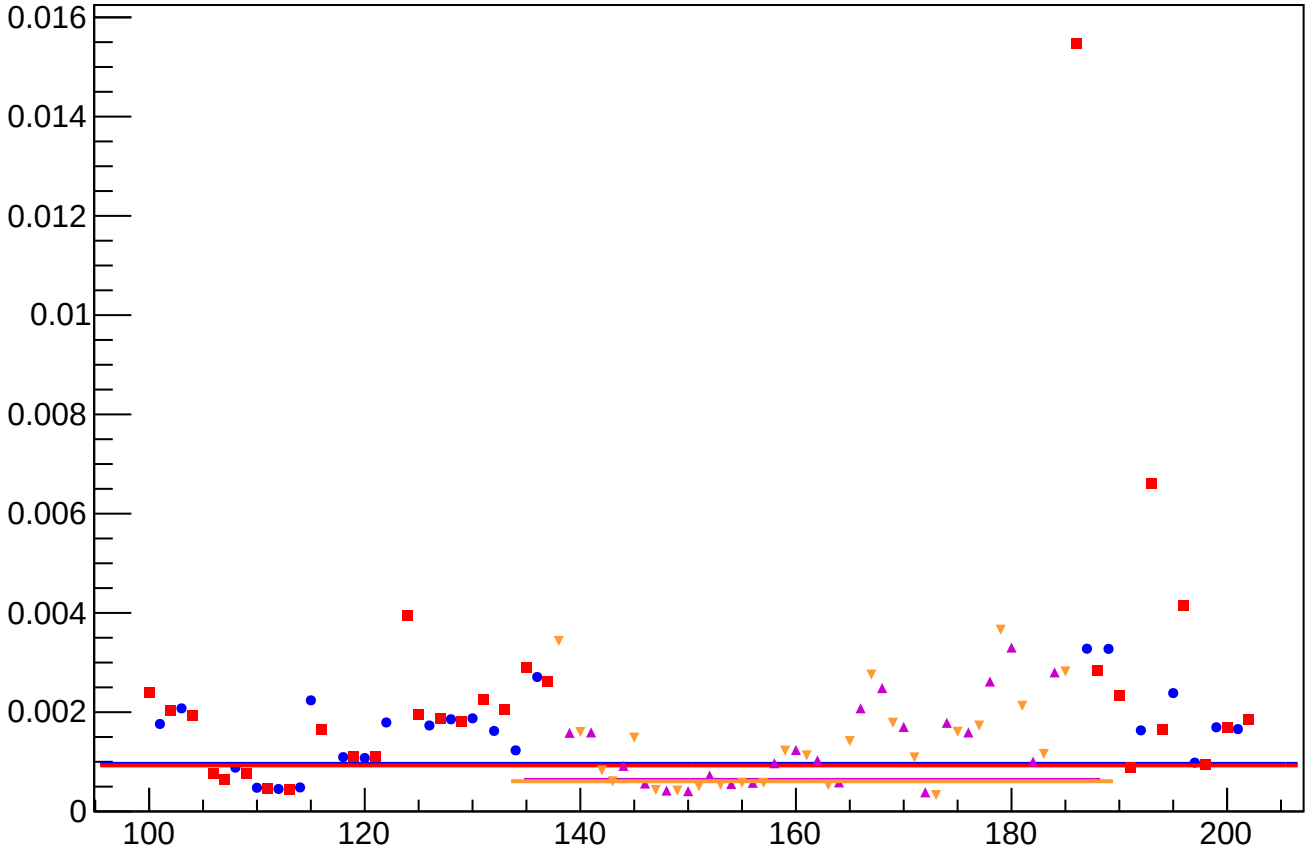
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 88.4/47

All: 0.000+/-0.000 χ^2/NDF: 157.0/99

- sign 0.000+/-0.000 χ^2/NDF: 68.6/51

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6834603.9/22

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

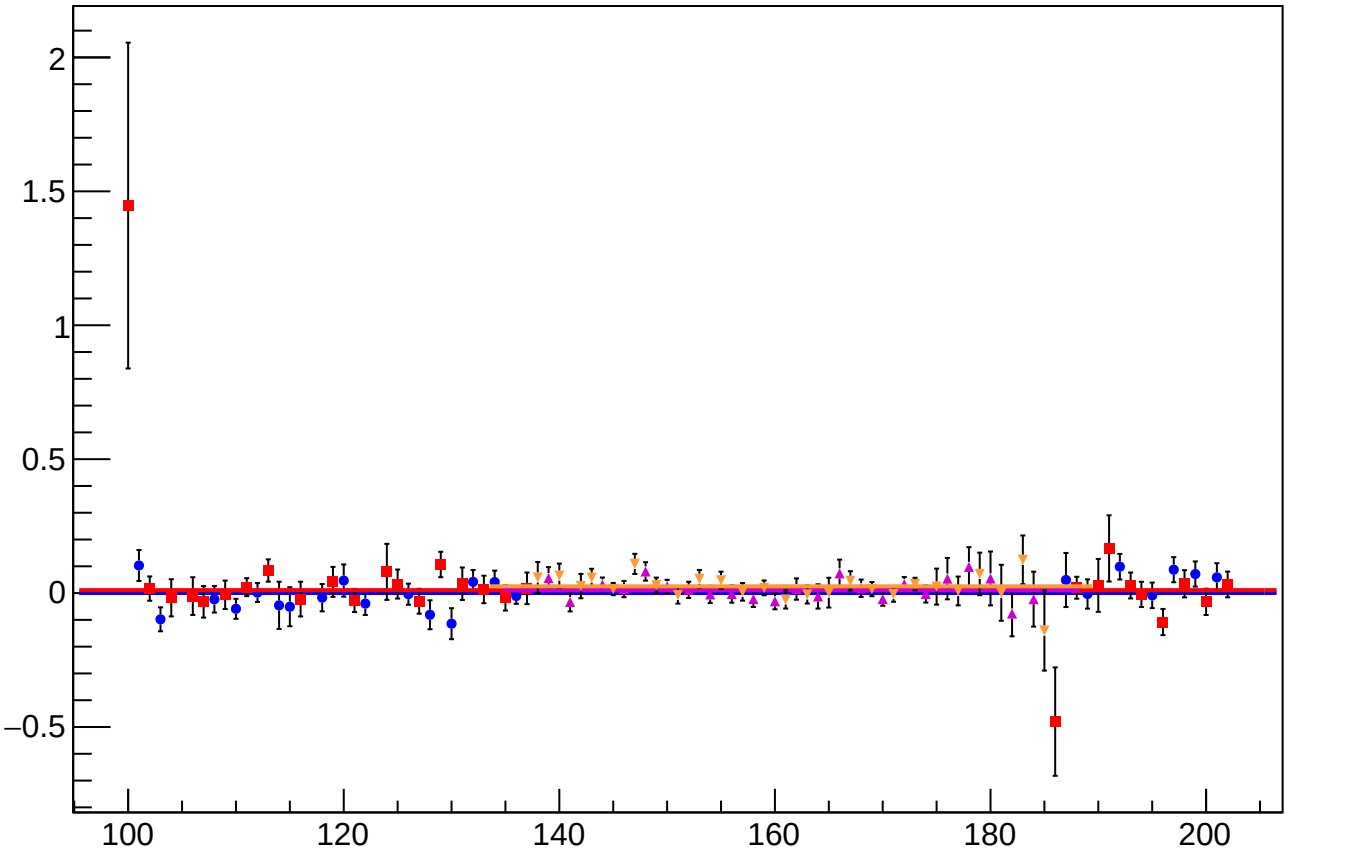
Right Out: 0.001+/-0.000 χ^2/NDF: 9837034.8/28

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 19541730.0/47

All: 0.001+/-0.000 χ^2/NDF: 40129197.8/99

- sign 0.001+/-0.000 χ^2/NDF: 20548787.1/51



Right In: 0.000+/-0.010 χ^2/NDF: 32.6/22

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

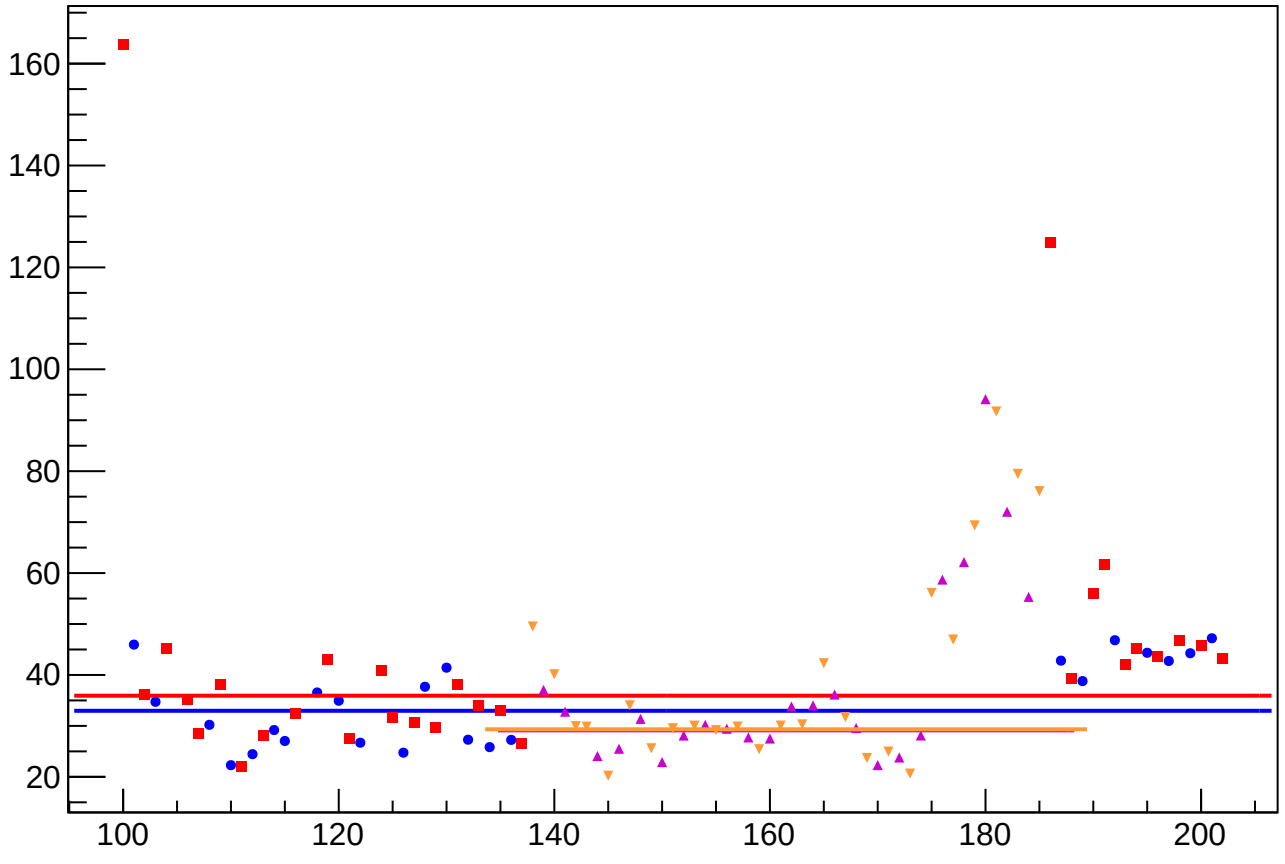
Right Out: 0.011+/-0.010 χ^2/NDF: 32.1/28

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.017+/-0.006 χ^2/NDF: 54.2/47

All: 0.014+/-0.004 χ^2/NDF: 105.7/99

- sign 0.011+/-0.006 χ^2/NDF: 51.0/51



Right In: 32.966+/-0.007 χ^2/NDF: 1443595.1/22

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

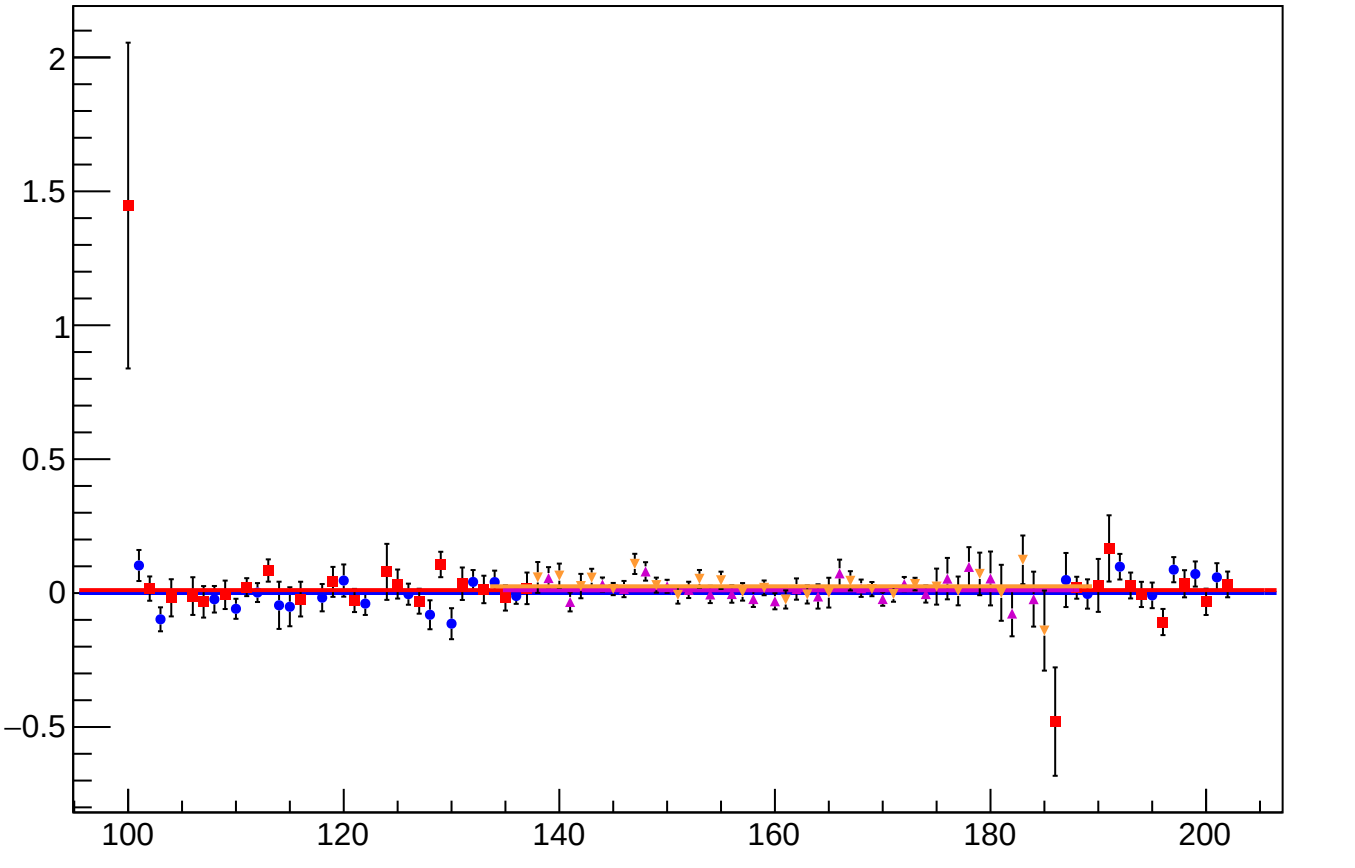
Right Out: 35.929+/-0.007 χ^2/NDF: 1776772.3/28

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.597+/-0.004 χ^2/NDF: 5496385.8/47

All: 31.048+/-0.003 χ^2/NDF: 10747264.7/99

- sign 31.512+/-0.004 χ^2/NDF: 5226301.5/51



Right In: 0.000+/-0.010 χ^2/NDF: 32.6/22

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

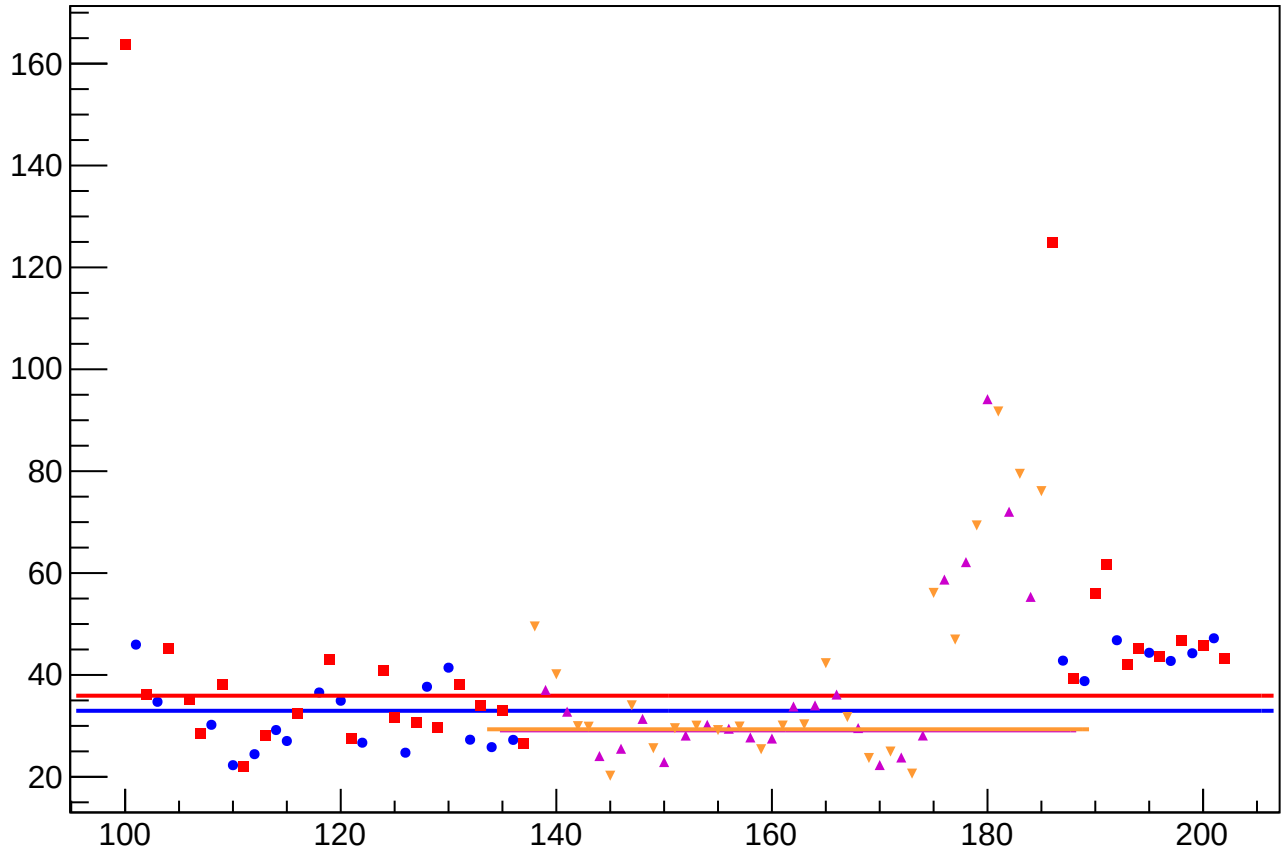
Right Out: 0.011+/-0.010 χ^2/NDF: 32.1/28

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.017+/-0.006 χ^2/NDF: 54.2/47

All: 0.014+/-0.004 χ^2/NDF: 105.7/99

- sign 0.011+/-0.006 χ^2/NDF: 51.0/51



Right In: 32.966+/-0.007 χ^2/NDF: 1443595.1/22

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

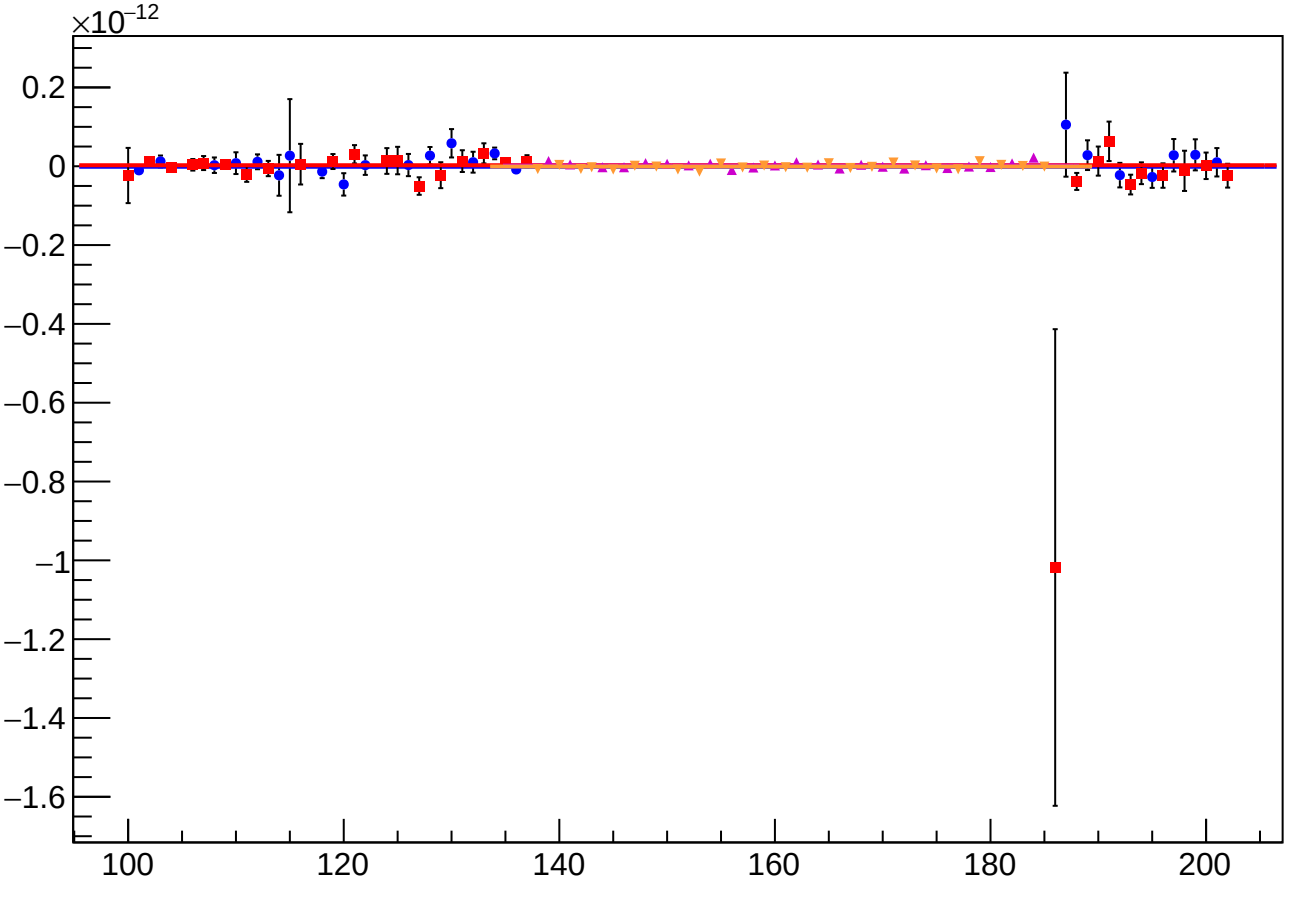
Right Out: 35.929+/-0.007 χ^2/NDF: 1776772.3/28

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.597+/-0.004 χ^2/NDF: 5496385.8/47

All: 31.048+/-0.003 χ^2/NDF: 10747264.7/99

- sign 31.512+/-0.004 χ^2/NDF: 5226301.5/51



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

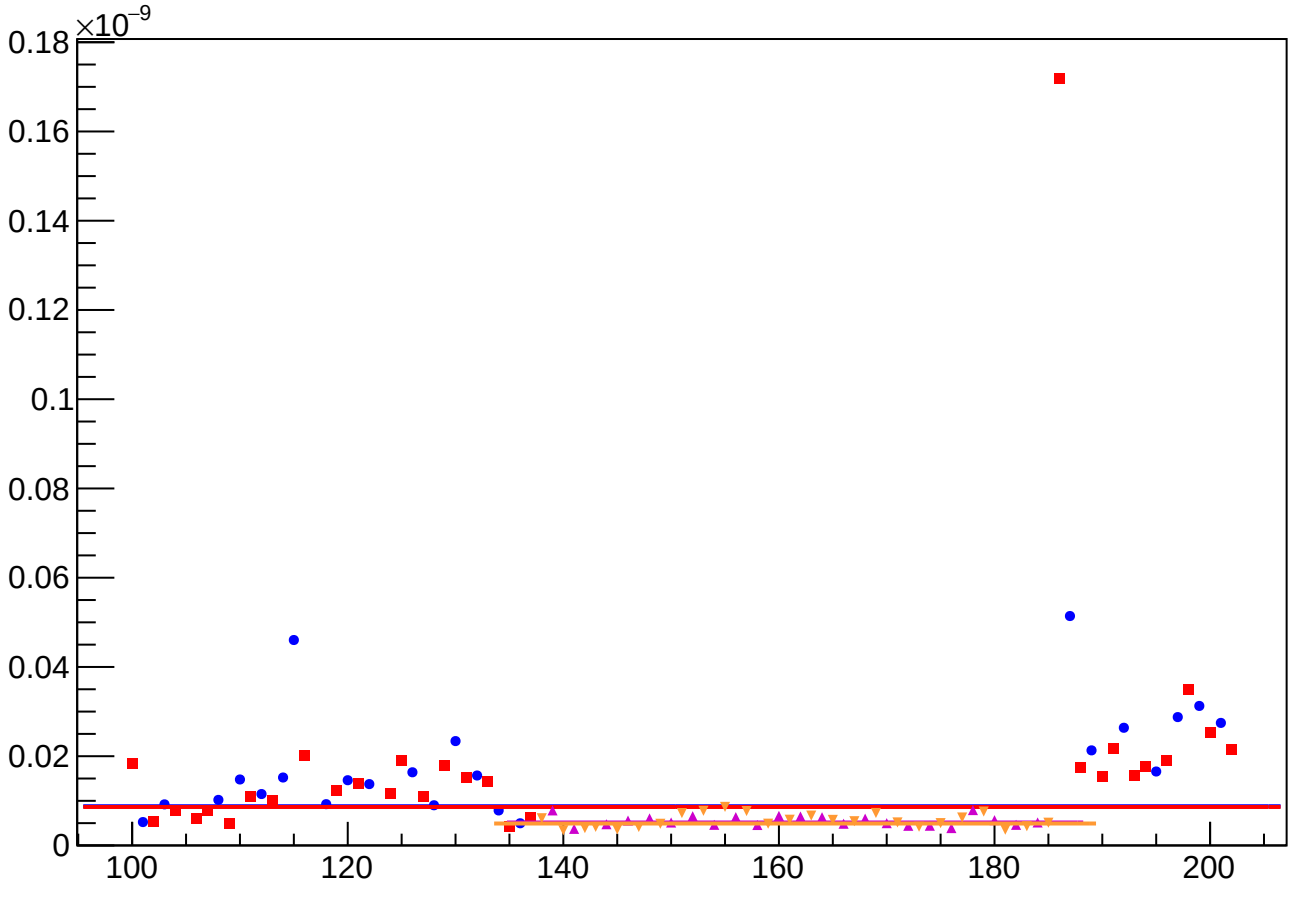
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/28

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/47

All: 0.000+/-0.000 χ^2/NDF: 82.2/99

- sign 0.000+/-0.000 χ^2/NDF: 44.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 5094166.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4946453.9/28

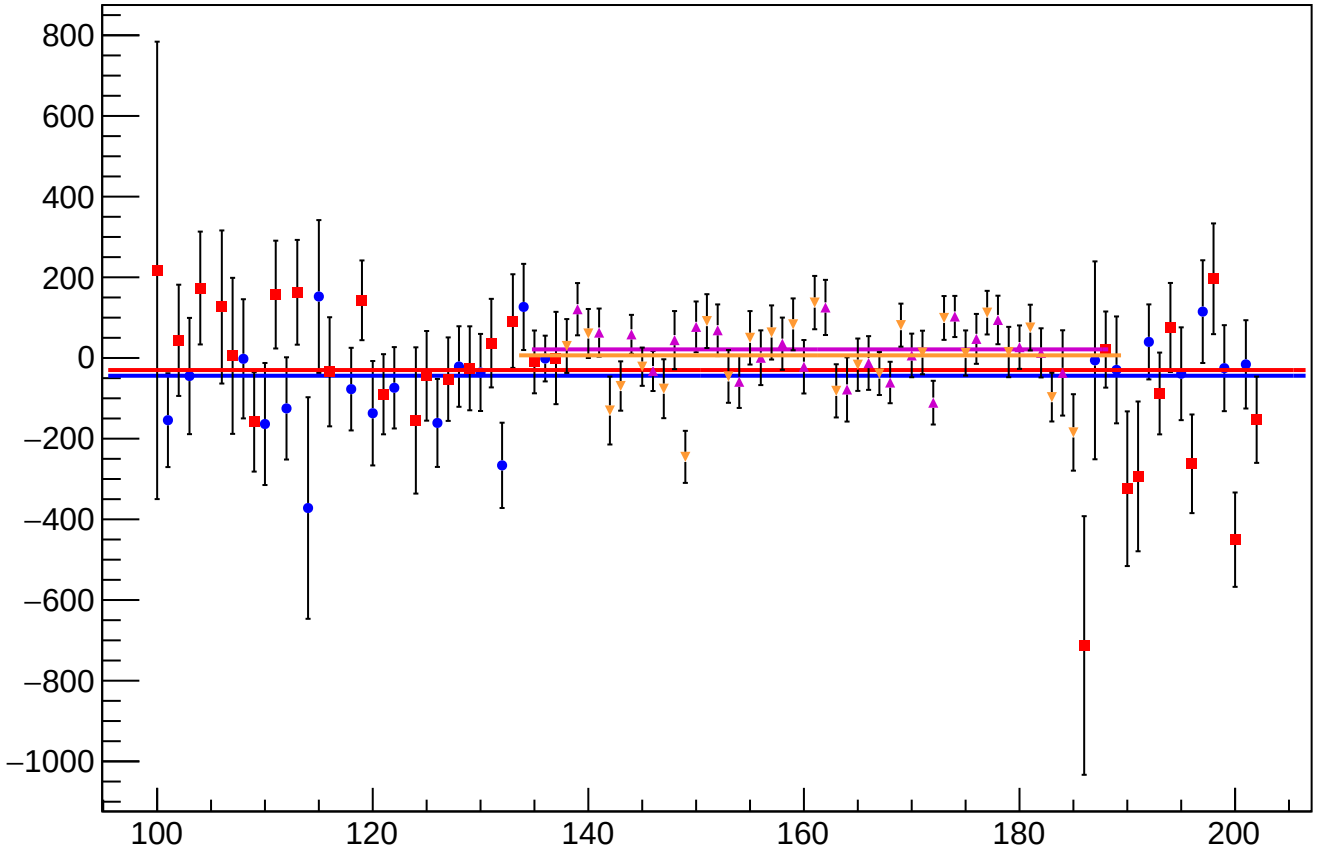
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8892280.5/47

All: 0.000+/-0.000 χ^2/NDF: 16591819.6/99

- sign 0.000+/-0.000 χ^2/NDF: 7655357.9/51

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -44.028+/-23.260 χ^2/NDF: 16.5/22

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -29.903+/-22.734 χ^2/NDF: 45.1/28

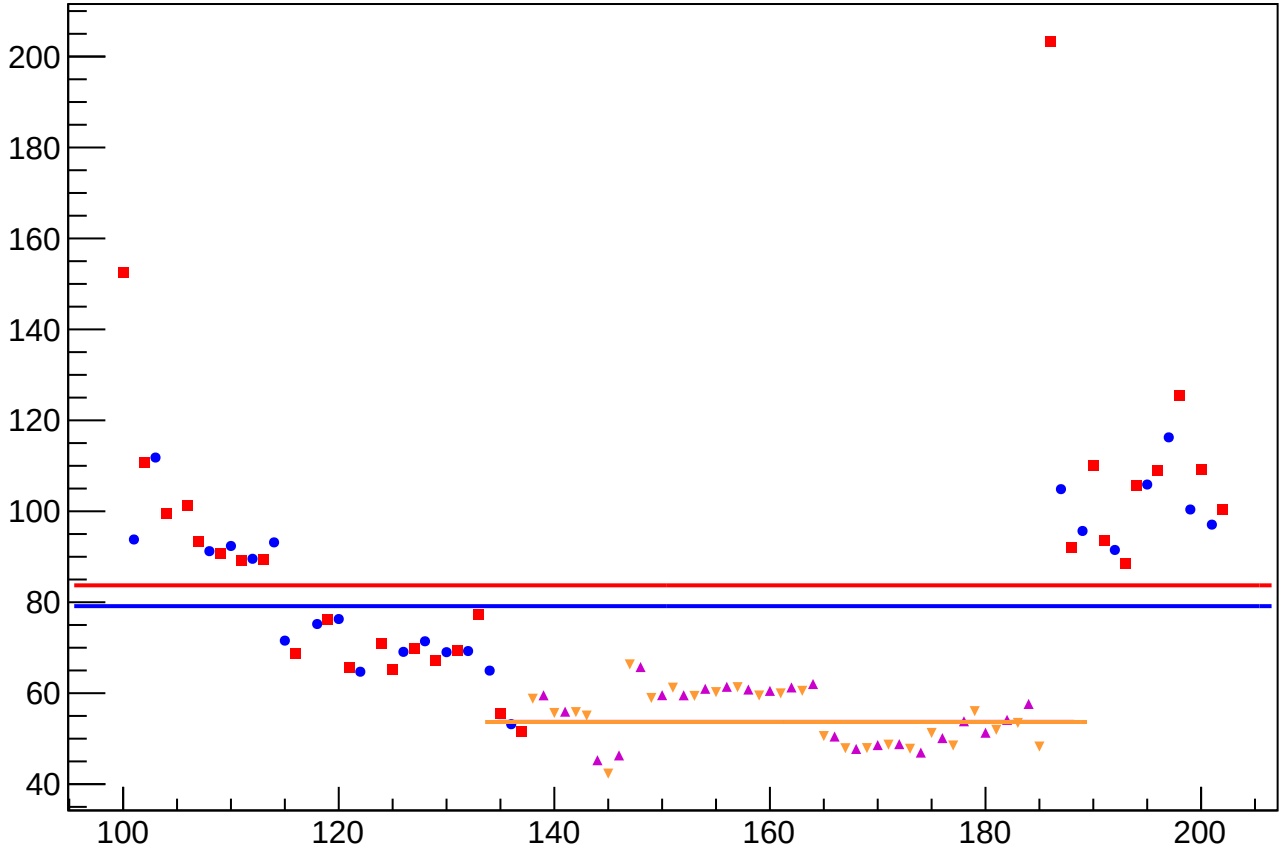
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -4.505+/-10.864 χ^2/NDF: 70.7/47

All: 2.240+/-7.748 χ^2/NDF: 145.9/99

- sign 9.223+/-11.053 χ^2/NDF: 74.4/51

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 79.141+/-0.016 χ^2/NDF: 1253098.0/22

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

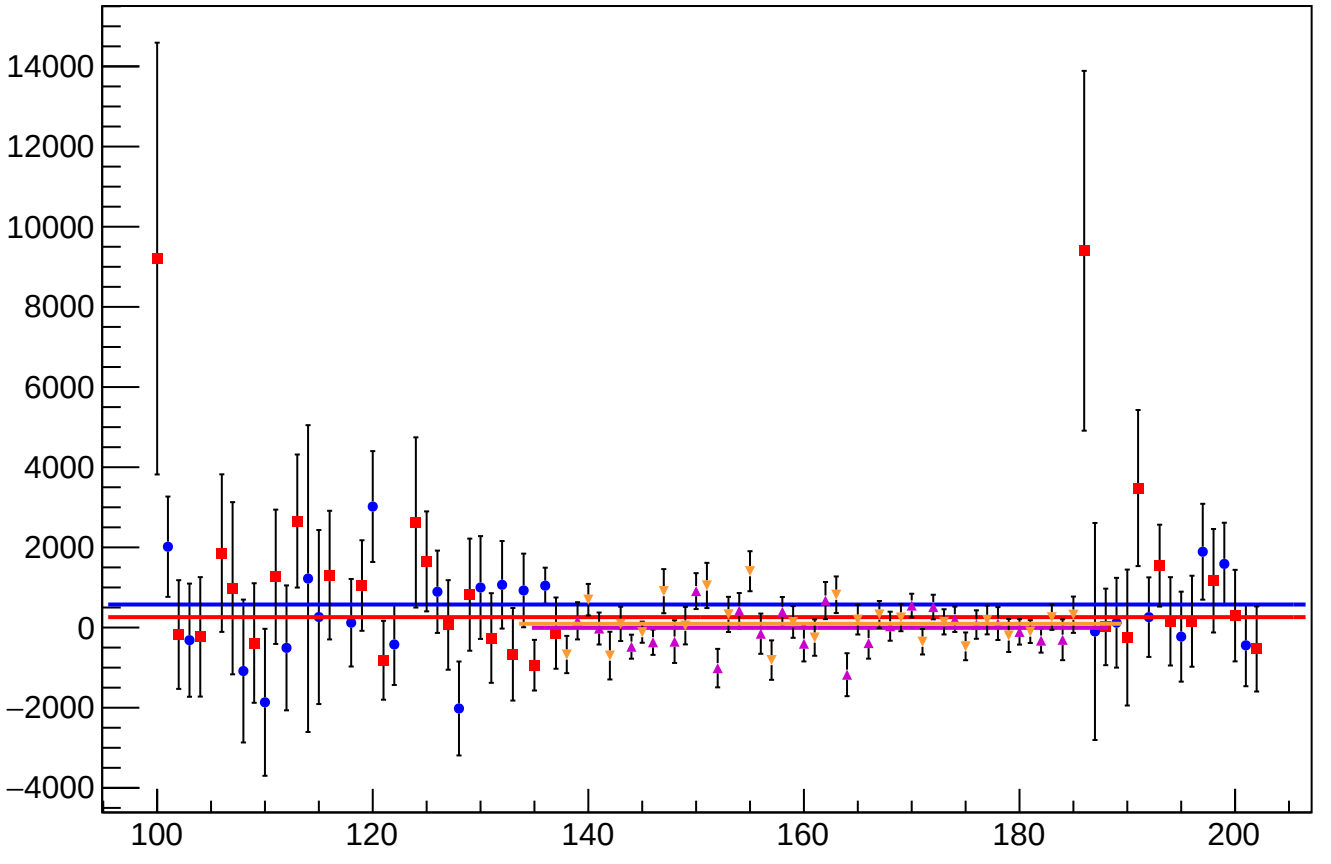
Right Out: 83.717+/-0.016 χ^2/NDF: 1719630.8/28

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.223+/-0.008 χ^2/NDF: 3600914.2/47

All: 59.994+/-0.005 χ^2/NDF: 8475775.7/99

- sign 60.792+/-0.008 χ^2/NDF: 4854378.3/51



Right In: 574.577+/-227.047 χ^2/NDF: 19.7/22

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 259.633+/-229.764 χ^2/NDF: 25.5/28

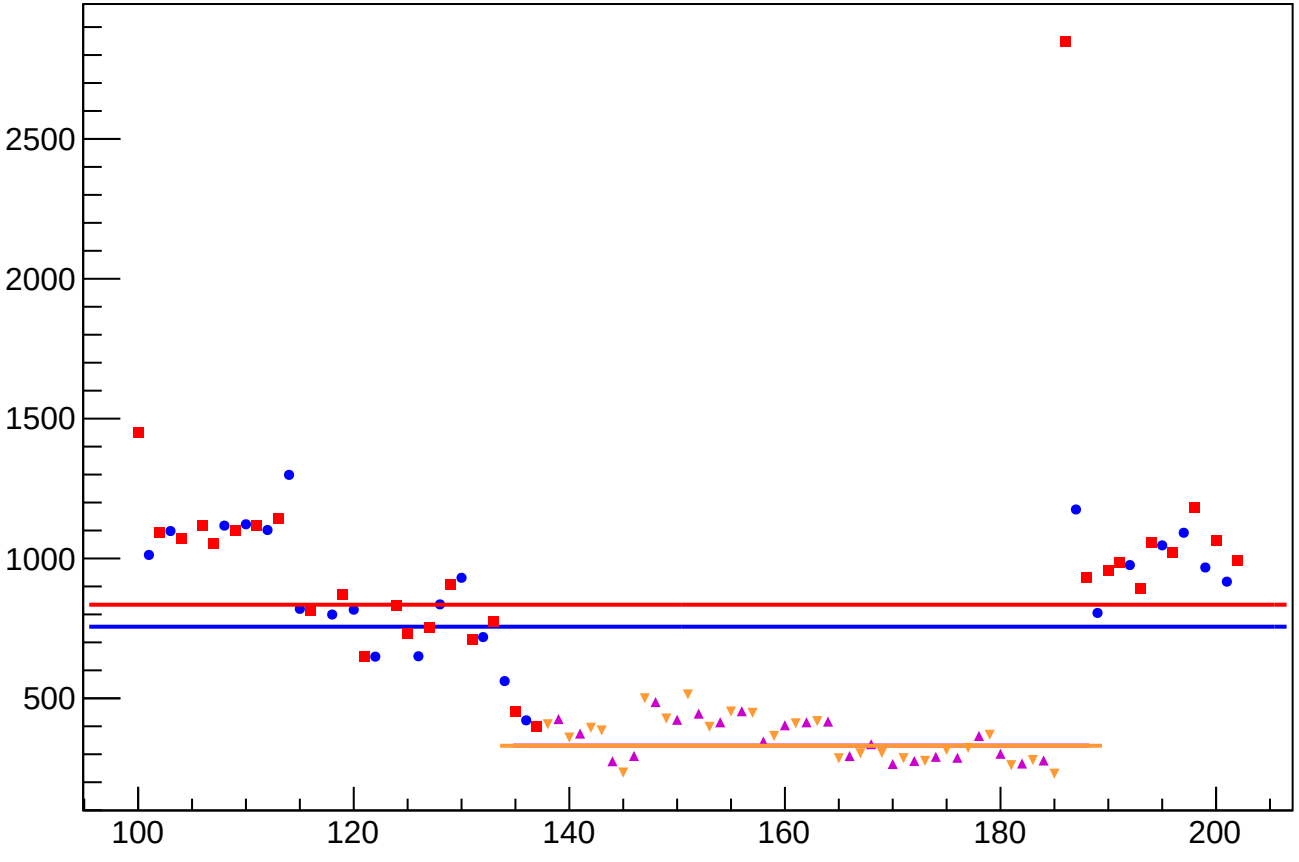
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 145.032+/-73.035 χ^2/NDF: 56.9/47

All: 84.256+/-52.261 χ^2/NDF: 117.4/99

- sign 20.483+/-74.813 χ^2/NDF: 59.0/51

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 756.066+/-0.161 χ^2/NDF: 2380302.1/22

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 834.705+/-0.162 χ^2/NDF: 2610038.8/28

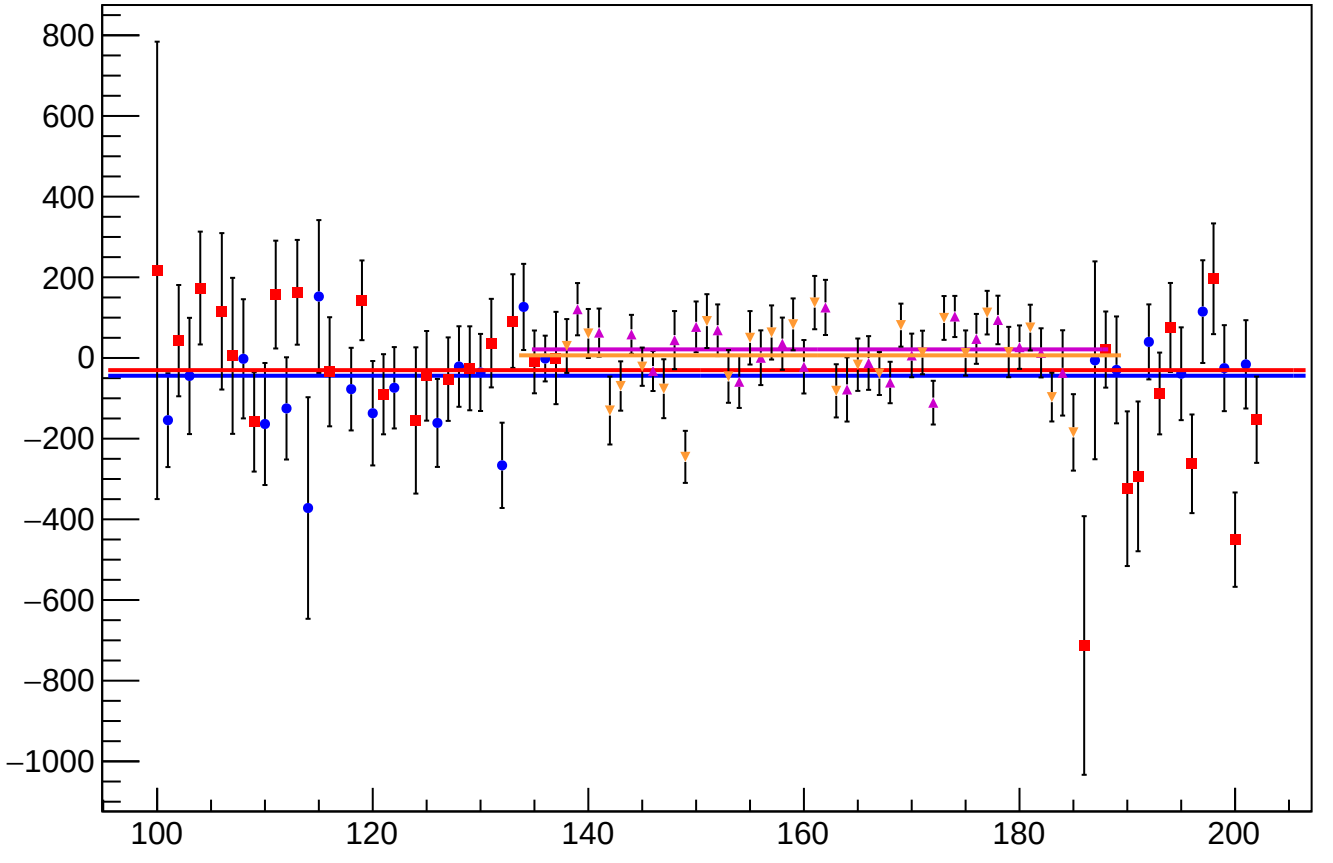
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 374.449+/-0.052 χ^2/NDF: 10434922.6/47

All: 379.332+/-0.037 χ^2/NDF: 22979922.0/99

- sign 384.456+/-0.053 χ^2/NDF: 12526678.6/51

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -44.018+/-23.260 χ^2/NDF: 16.5/22

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -30.170+/-22.741 χ^2/NDF: 45.0/28

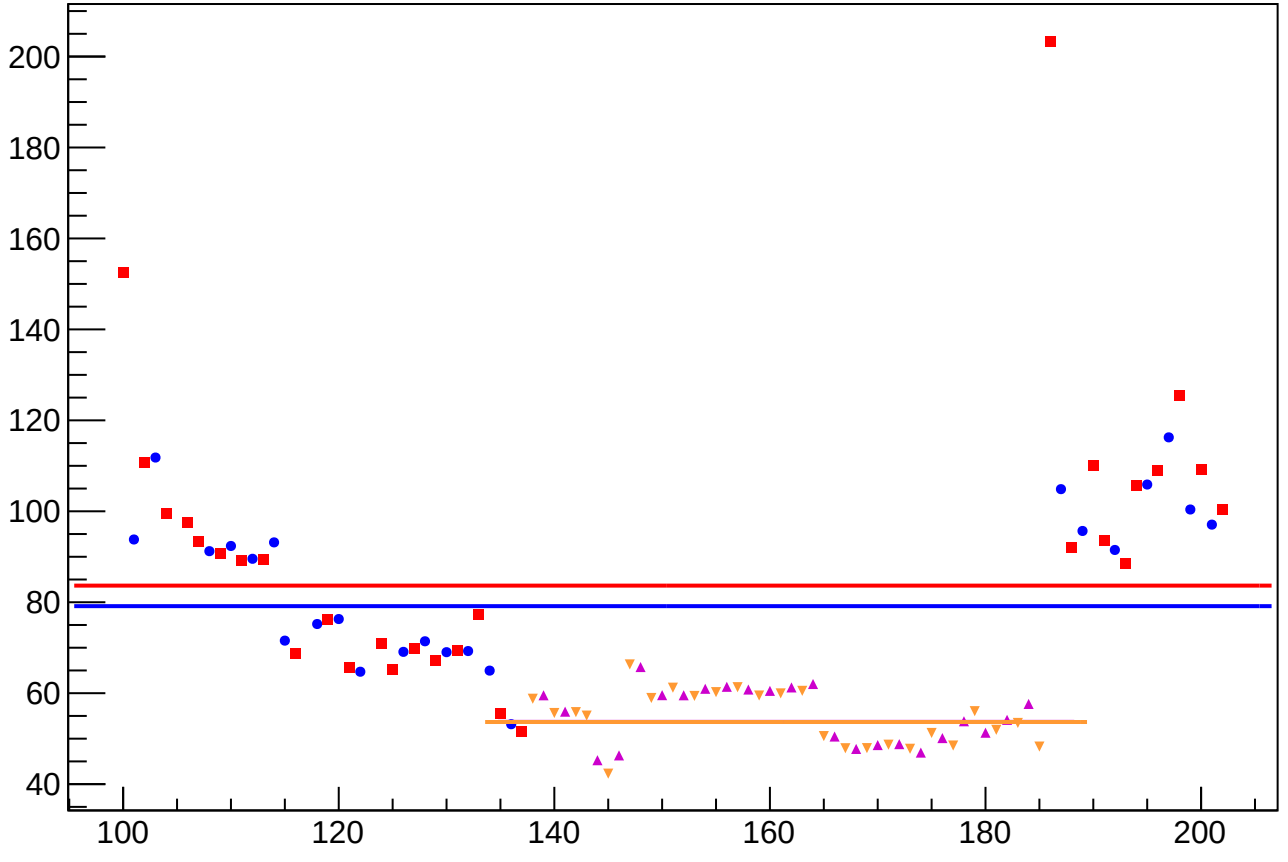
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.501+/-10.864 χ^2/NDF: 70.7/47

All: 2.214+/-7.749 χ^2/NDF: 145.8/99

- sign 9.165+/-11.054 χ^2/NDF: 74.3/51

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 79.141+/-0.016 χ^2/NDF: 1253100.2/22

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 83.657+/-0.016 χ^2/NDF: 1713003.7/28

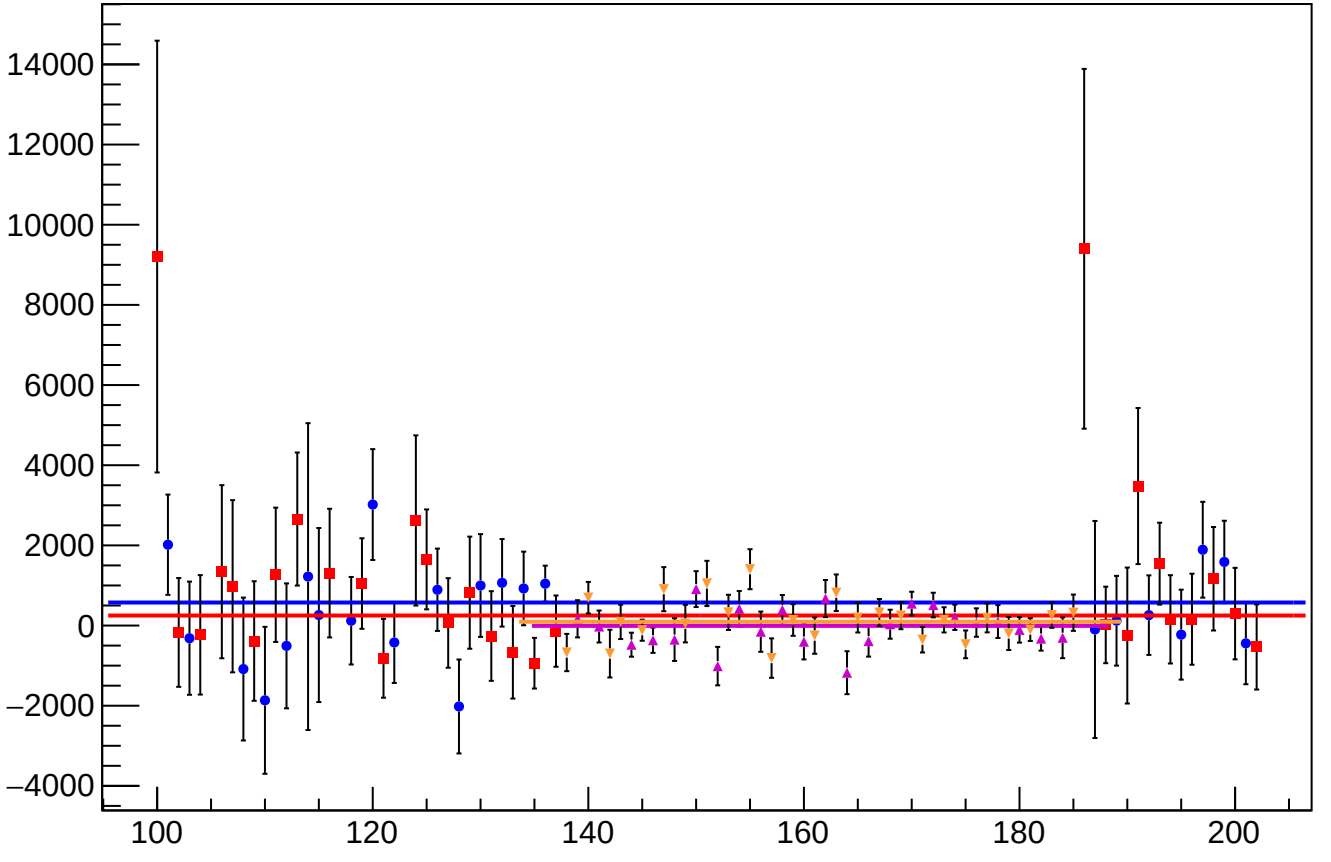
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.223+/-0.008 χ^2/NDF: 3600916.7/47

All: 59.985+/-0.005 χ^2/NDF: 8456649.6/99

- sign 60.774+/-0.008 χ^2/NDF: 4835713.0/51

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 574.570+/-227.047 χ^2/NDF: 19.7/22

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

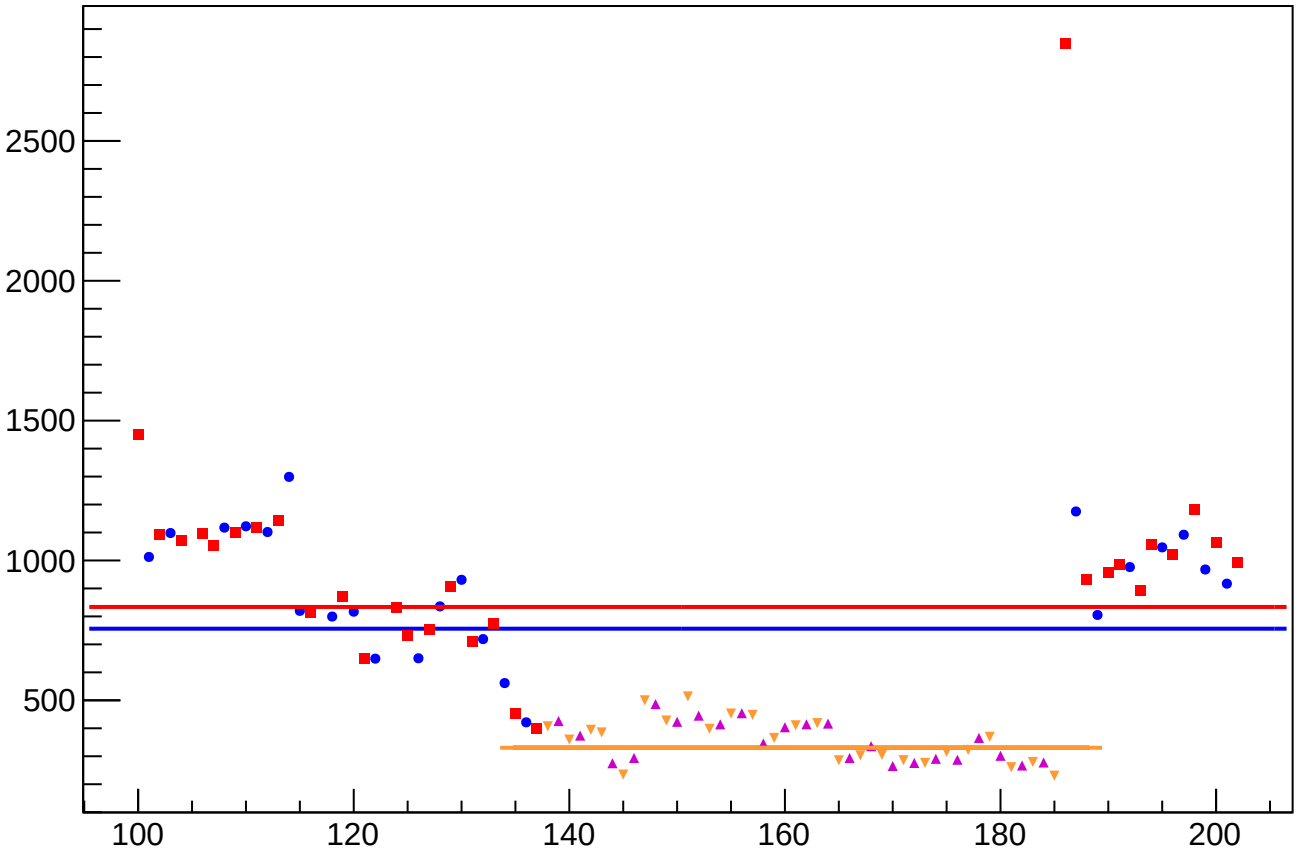
Right Out: 250.146+/-230.038 χ^2/NDF: 25.1/28

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 145.033+/-73.035 χ^2/NDF: 56.9/47

All: 83.747+/-52.264 χ^2/NDF: 116.9/99

- sign 19.422+/-74.823 χ^2/NDF: 58.5/51



Right In: 756.067+/-0.161 χ^2/NDF: 2380325.2/22

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 833.792+/-0.163 χ^2/NDF: 2597858.9/28

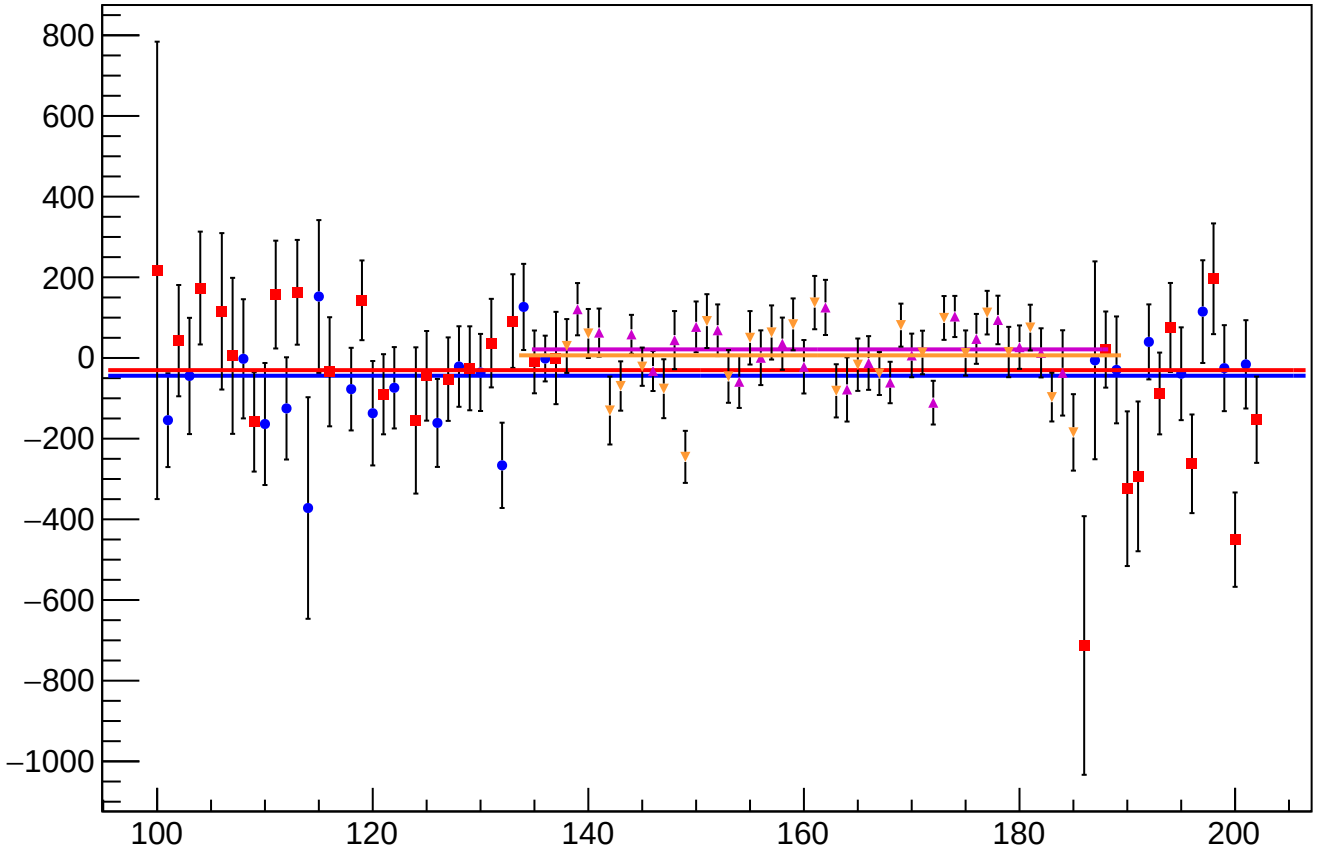
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 374.449+/-0.052 χ^2/NDF: 10434942.9/47

All: 379.229+/-0.037 χ^2/NDF: 22917675.4/99

- sign 384.246+/-0.053 χ^2/NDF: 12465176.0/51

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -44.018+/-23.260 χ^2/NDF: 16.5/22

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -30.170+/-22.741 χ^2/NDF: 45.0/28

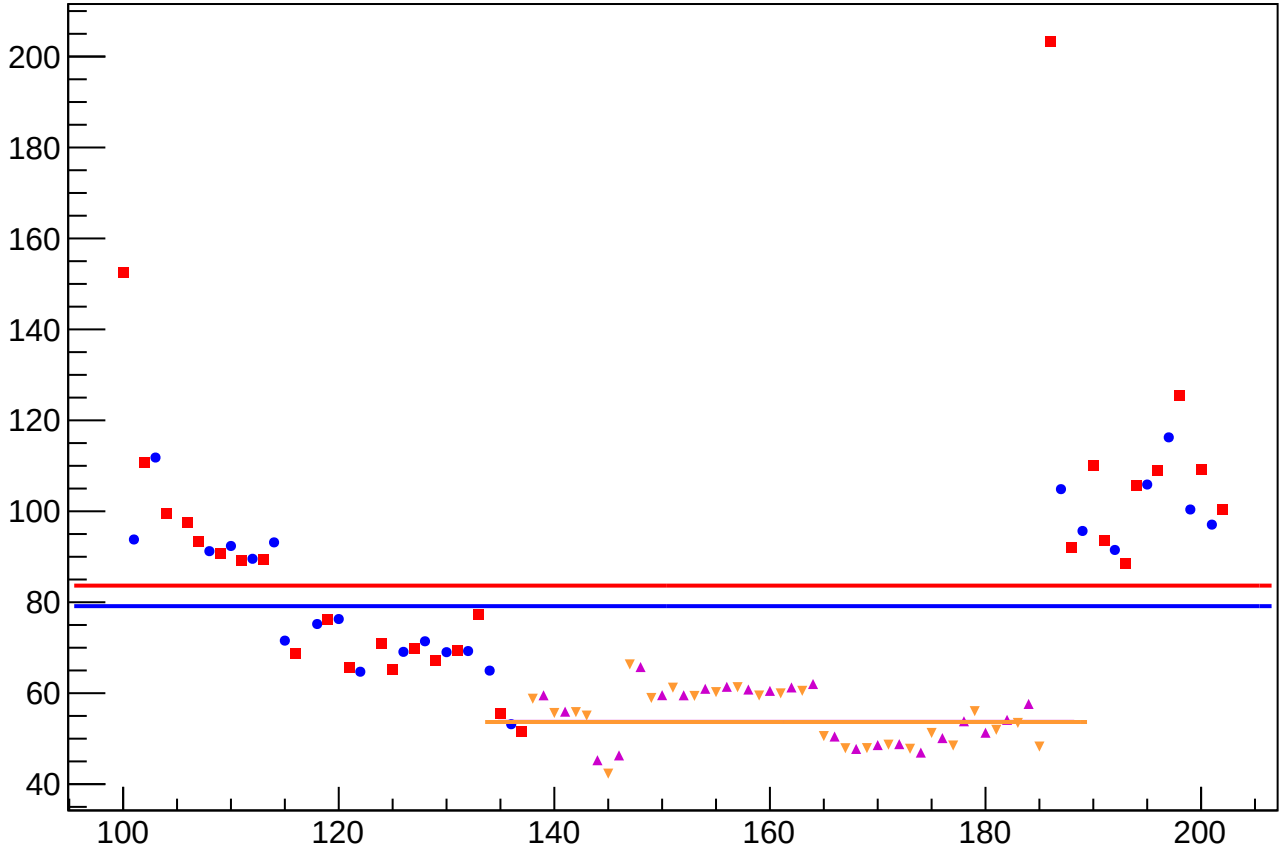
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.501+/-10.864 χ^2/NDF: 70.7/47

All: 2.214+/-7.749 χ^2/NDF: 145.8/99

- sign 9.165+/-11.054 χ^2/NDF: 74.3/51

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 79.141+/-0.016 χ^2/NDF: 1253100.2/22

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

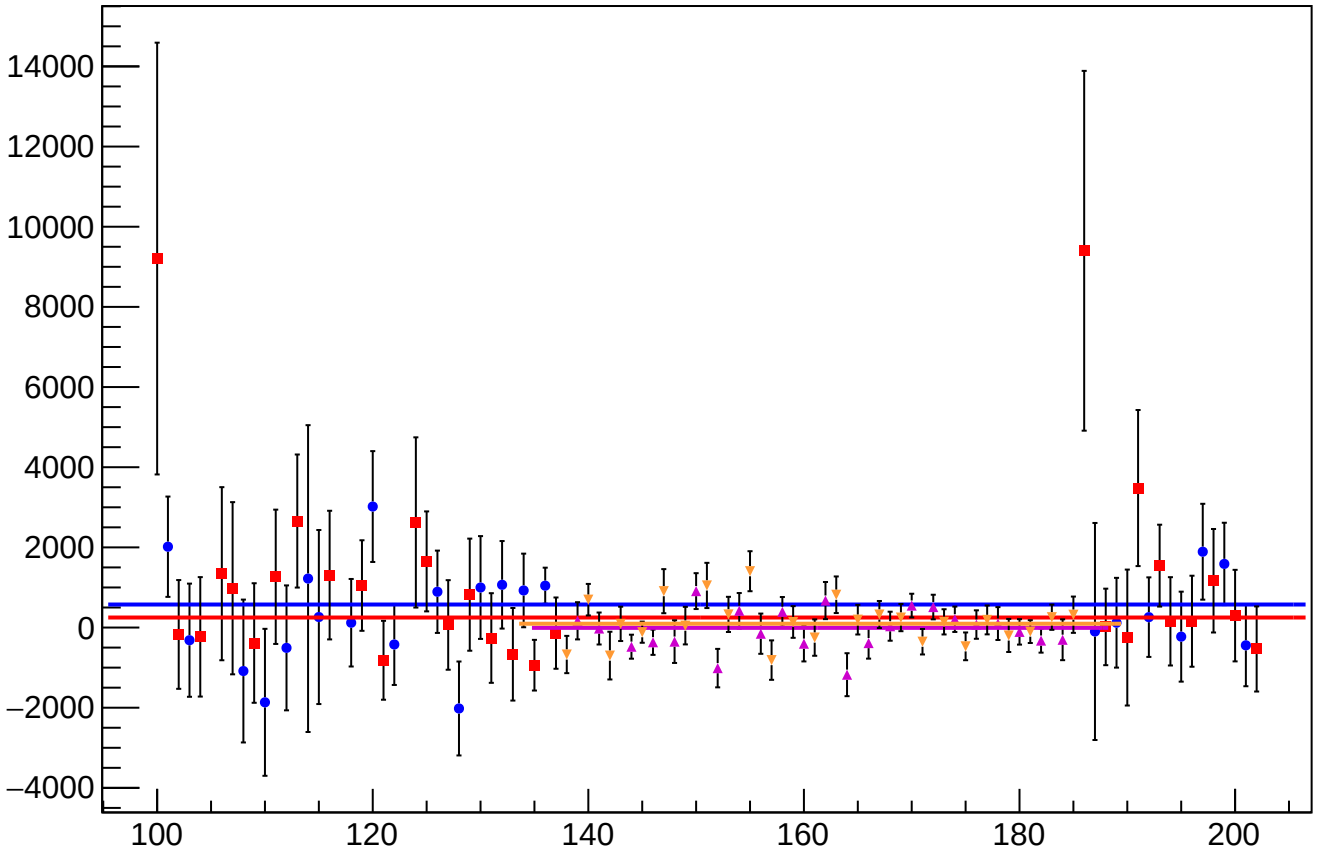
Right Out: 83.657+/-0.016 χ^2/NDF: 1713003.7/28

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.223+/-0.008 χ^2/NDF: 3600916.7/47

All: 59.985+/-0.005 χ^2/NDF: 8456649.6/99

- sign 60.774+/-0.008 χ^2/NDF: 4835713.0/51



Right In: 574.570+/-227.047 χ^2/NDF: 19.7/22

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

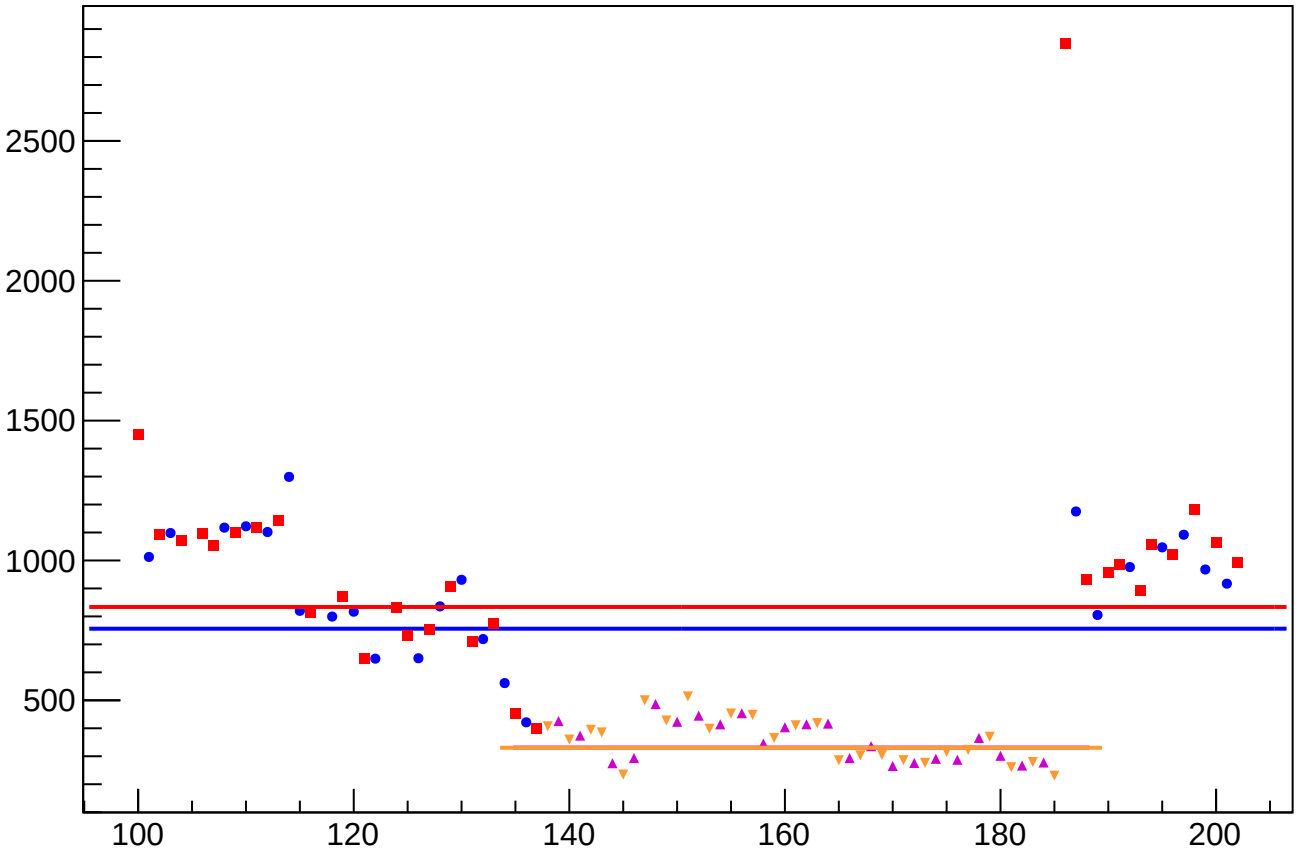
Right Out: 250.146+/-230.038 χ^2/NDF: 25.1/28

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 145.033+/-73.035 χ^2/NDF: 56.9/47

All: 83.747+/-52.264 χ^2/NDF: 116.9/99

- sign 19.422+/-74.823 χ^2/NDF: 58.5/51



Right In: 756.067+/-0.161 χ^2/NDF: 2380325.2/22

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 833.792+/-0.163 χ^2/NDF: 2597858.9/28

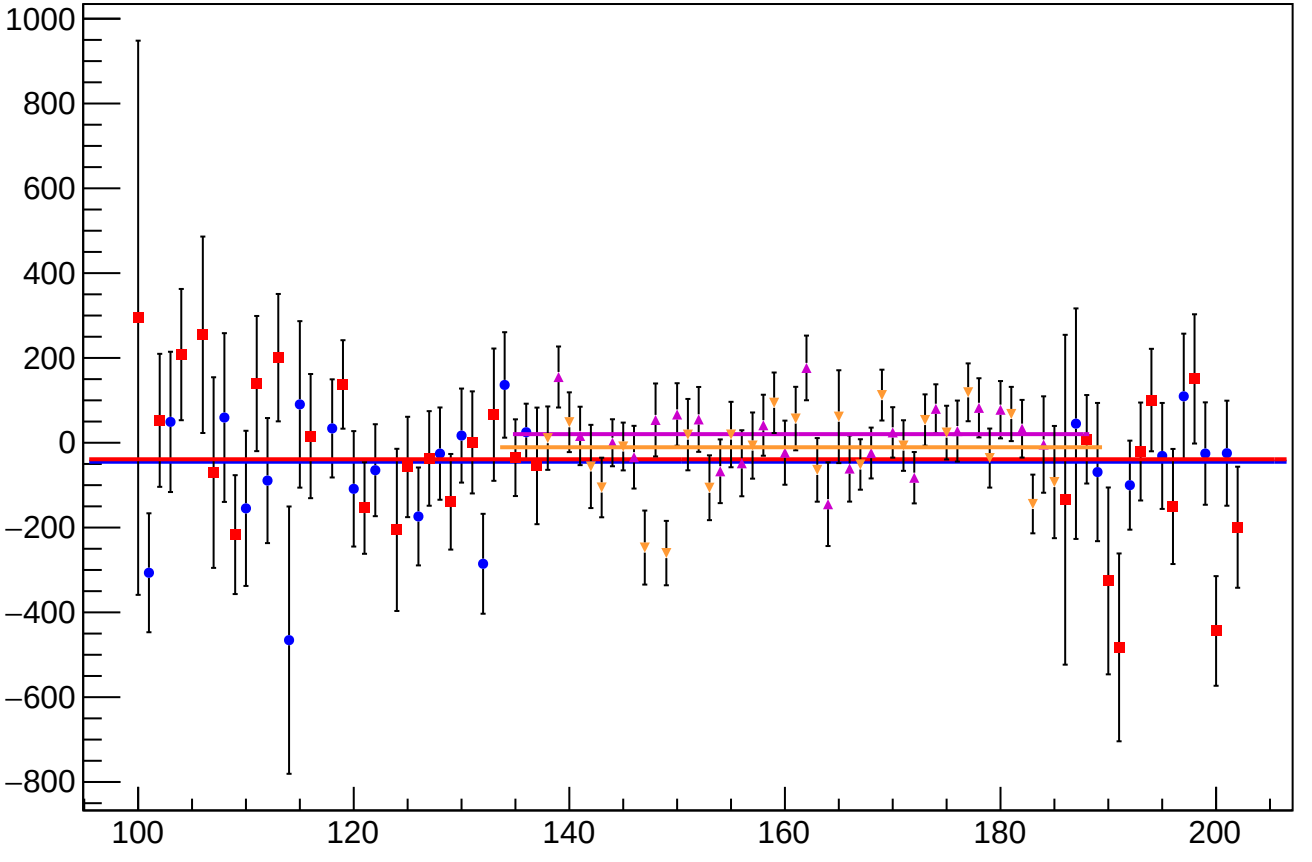
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 374.449+/-0.052 χ^2/NDF: 10434942.9/47

All: 379.229+/-0.037 χ^2/NDF: 22917675.4/99

- sign 384.246+/-0.053 χ^2/NDF: 12465176.0/51

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -44.797+/-26.519 χ^2/NDF: 18.0/22

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -38.937+/-25.699 χ^2/NDF: 37.1/28

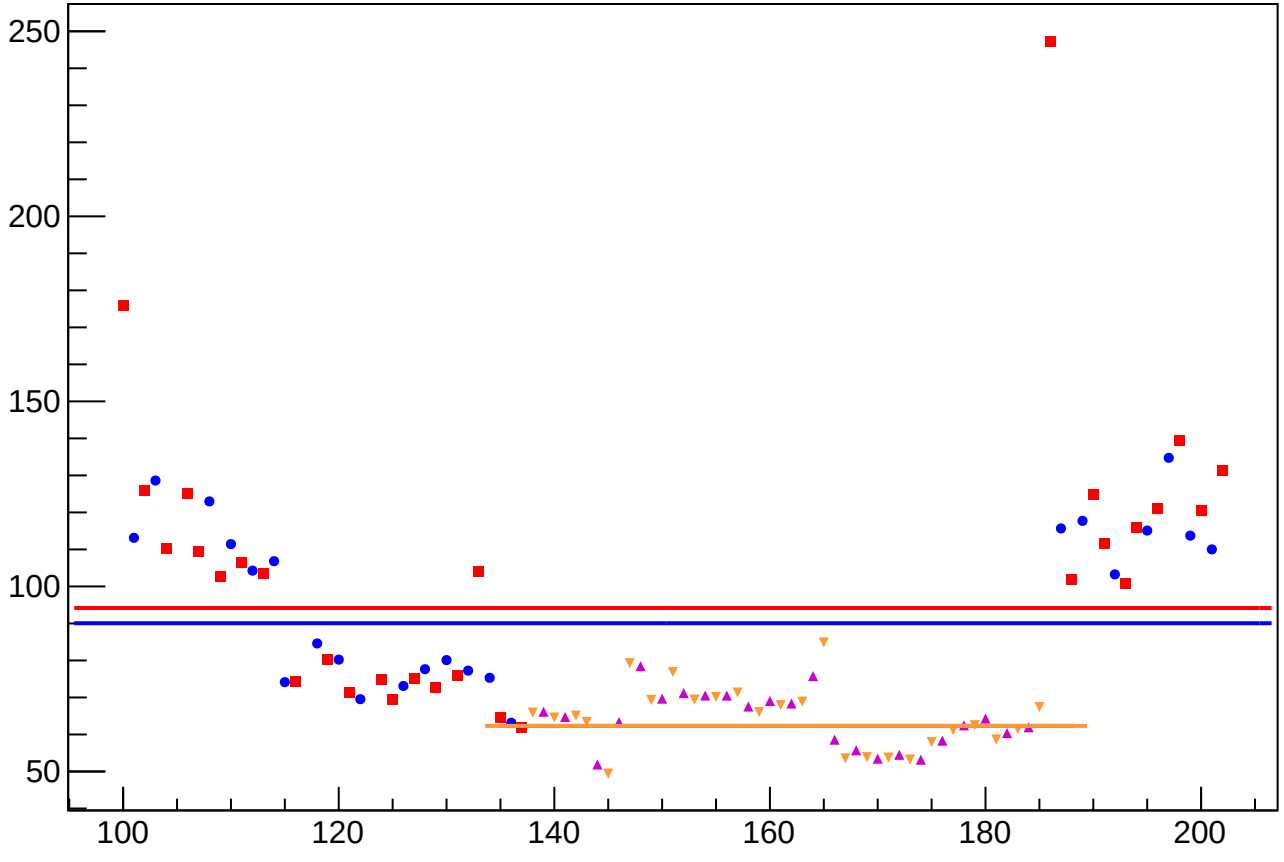
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.324+/-12.594 χ^2/NDF: 61.5/47

All: -6.537+/-8.975 χ^2/NDF: 126.1/99

- sign 5.625+/-12.793 χ^2/NDF: 62.8/51

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 90.056+/-0.019 χ^2/NDF: 1323862.8/22

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 94.180+/-0.018 χ^2/NDF: 1903354.0/28

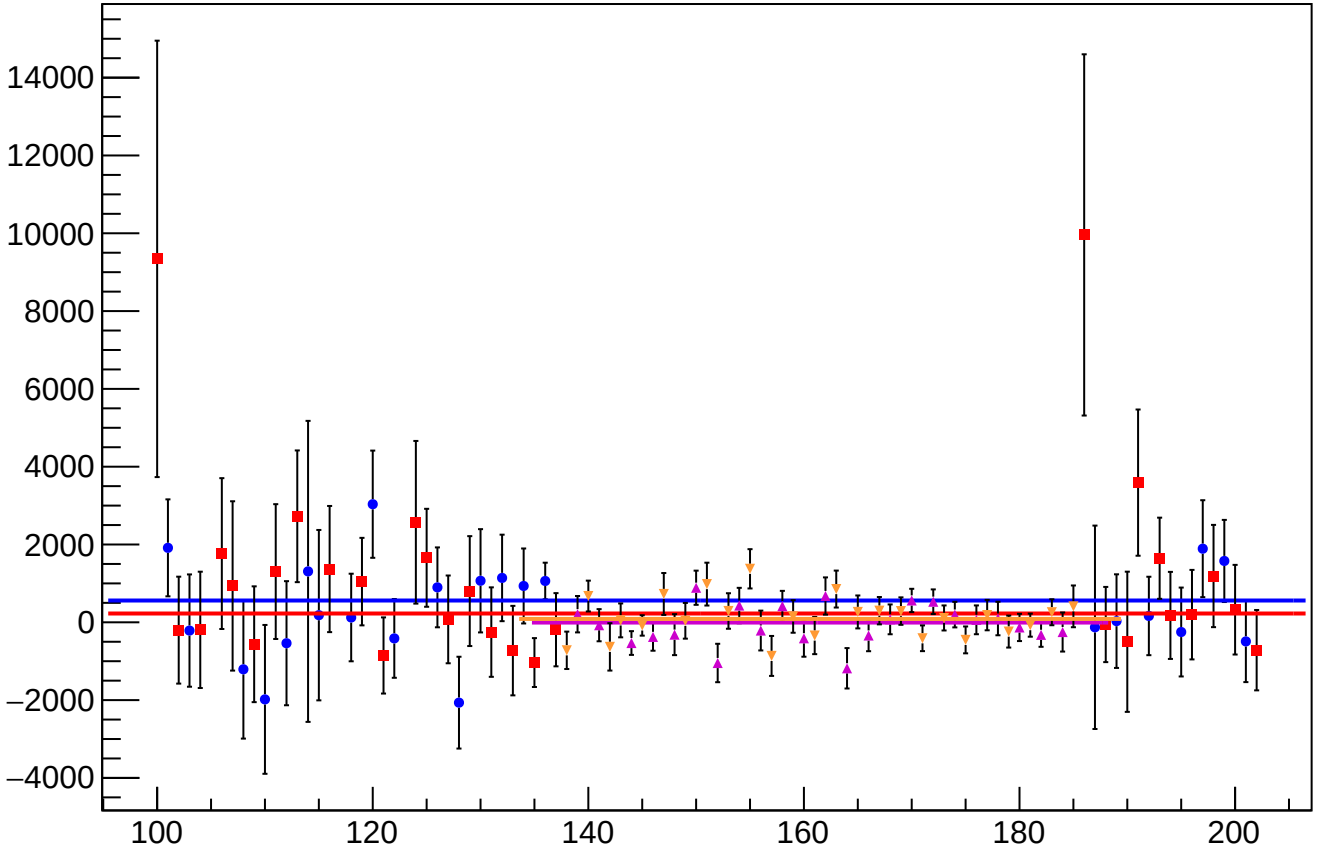
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 68.573+/-0.009 χ^2/NDF: 3654988.8/47

All: 69.377+/-0.006 χ^2/NDF: 8373135.2/99

- sign 70.208+/-0.009 χ^2/NDF: 4701554.4/51

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 560.208+/-233.355 χ^2/NDF: 19.8/22

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 226.171+/-231.834 χ^2/NDF: 27.5/28

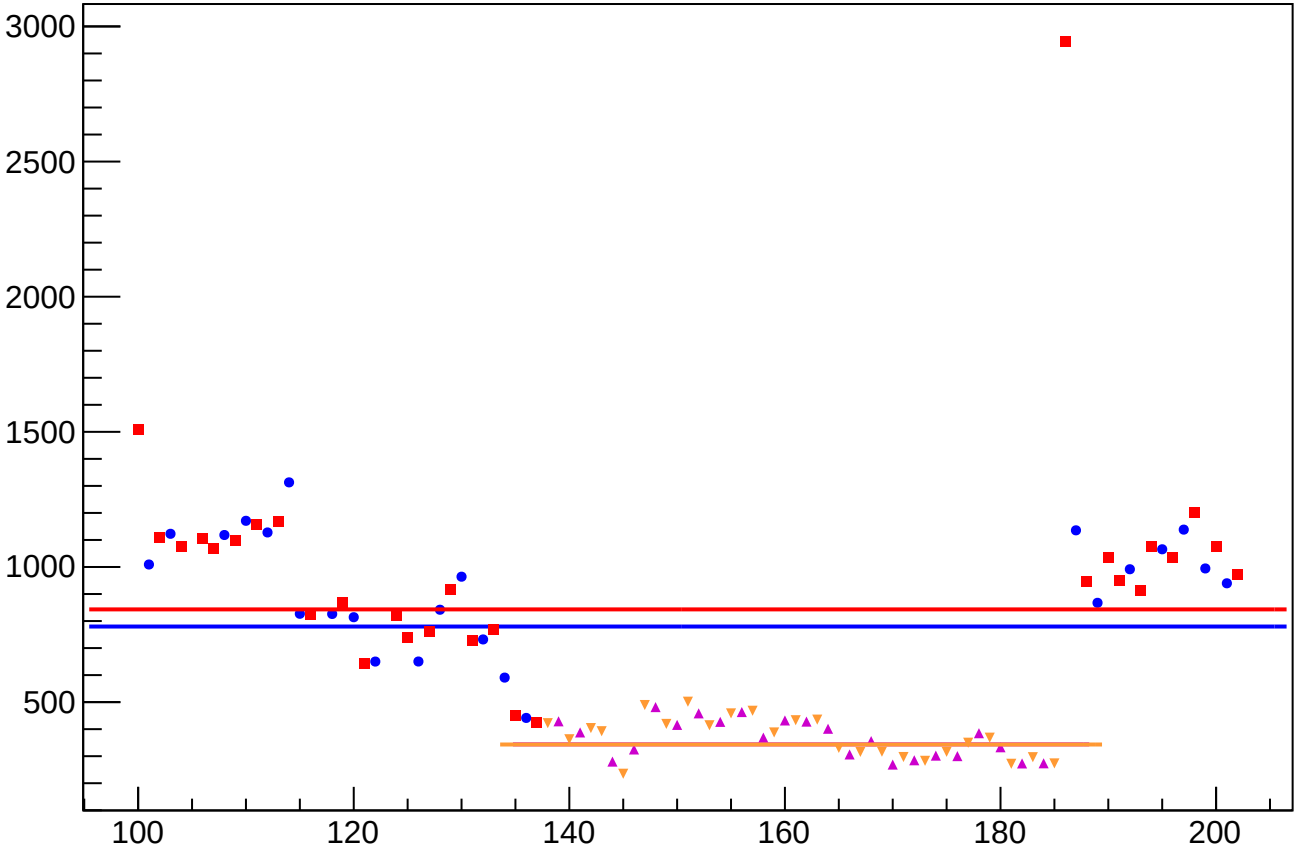
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 136.571+/-75.538 χ^2/NDF: 55.2/47

All: 79.429+/-54.059 χ^2/NDF: 117.2/99

- sign 19.436+/-77.399 χ^2/NDF: 60.9/51

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 779.706+/-0.165 χ^2/NDF: 2257041.1/22

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 843.106+/-0.164 χ^2/NDF: 2606280.2/28

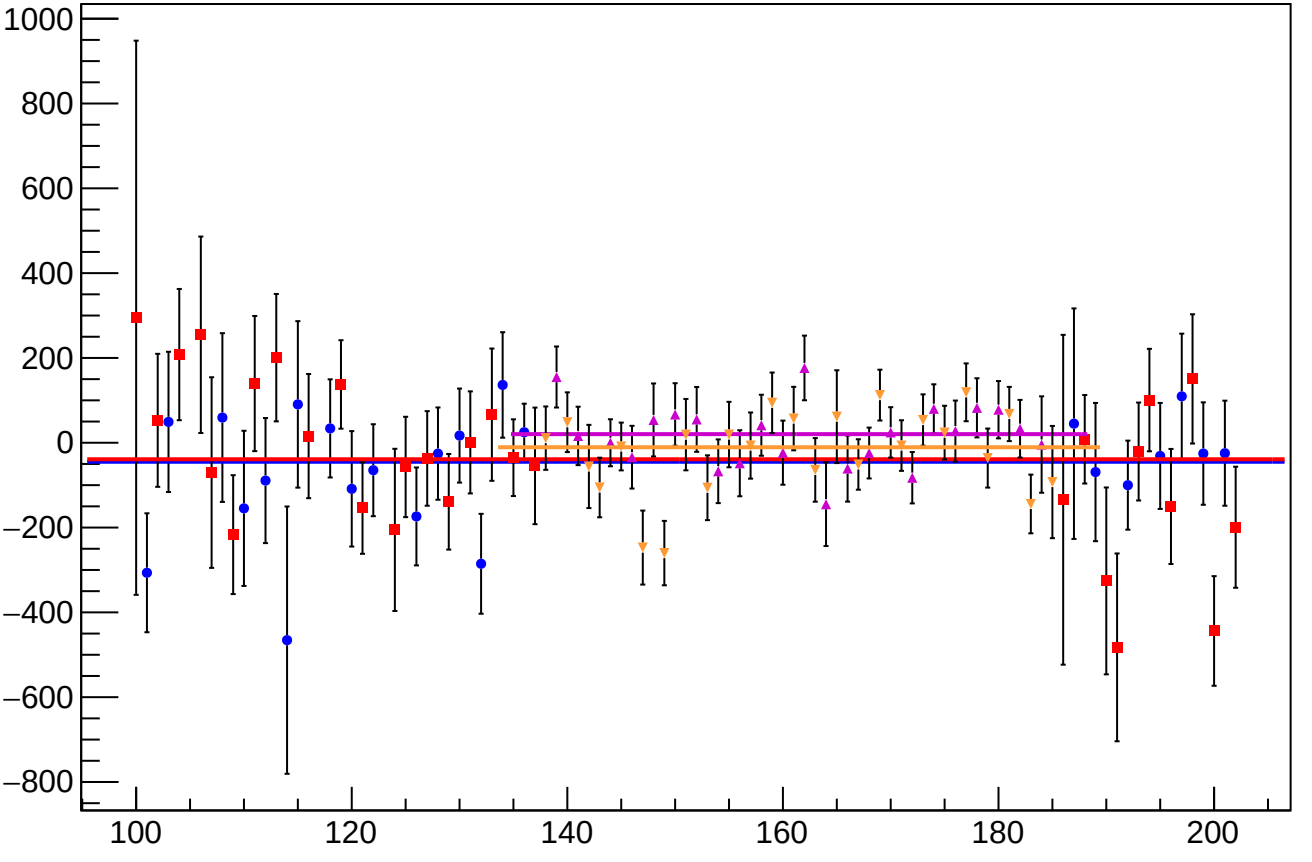
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 388.961+/-0.053 χ^2/NDF: 10116491.9/47

All: 394.044+/-0.038 χ^2/NDF: 22245508.4/99

- sign 399.379+/-0.055 χ^2/NDF: 12110459.0/51

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -44.798+/-26.519 χ^2/NDF: 18.0/22

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -38.938+/-25.698 χ^2/NDF: 37.1/28

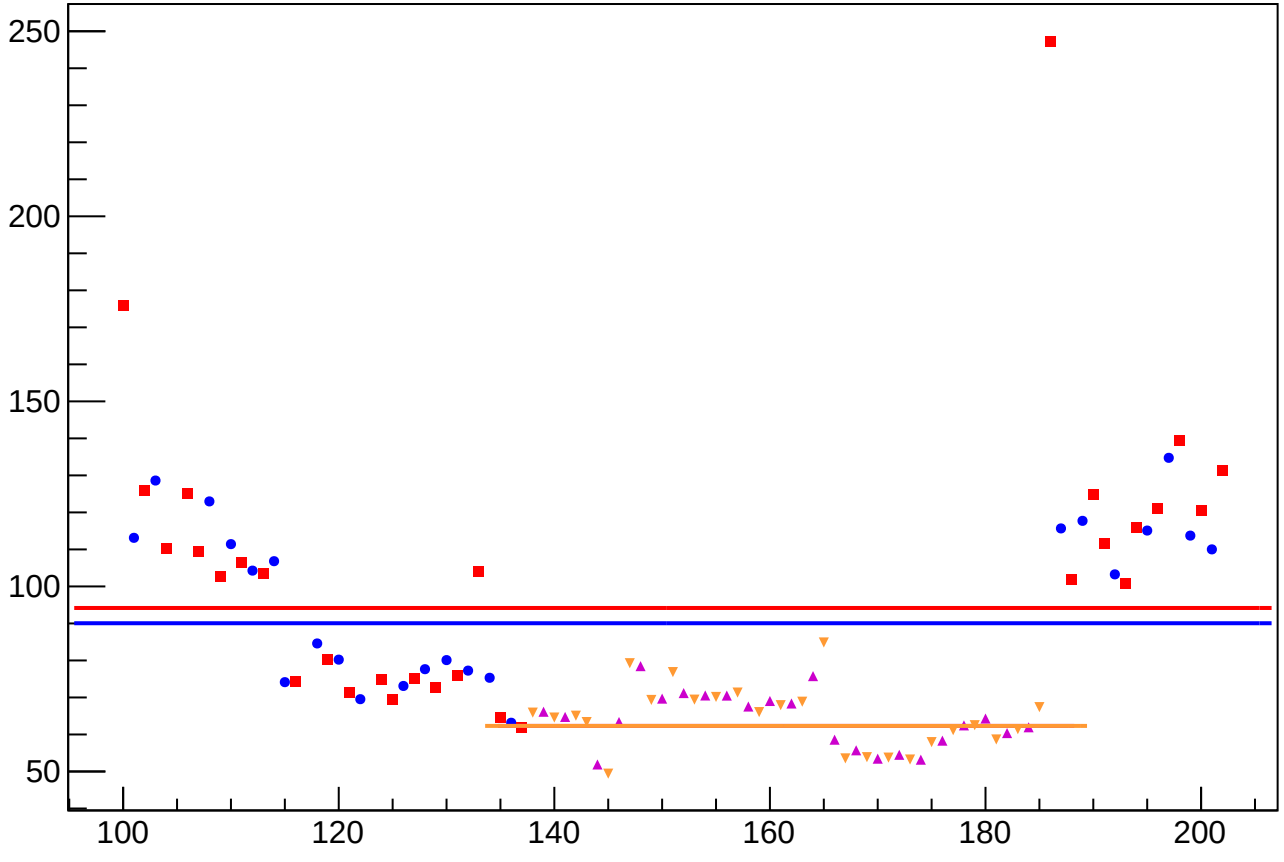
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.323+/-12.594 χ^2/NDF: 61.5/47

All: -6.536+/-8.975 χ^2/NDF: 126.1/99

- sign 5.625+/-12.793 χ^2/NDF: 62.8/51

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 90.056+/-0.019 χ^2/NDF: 1323881.7/22

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

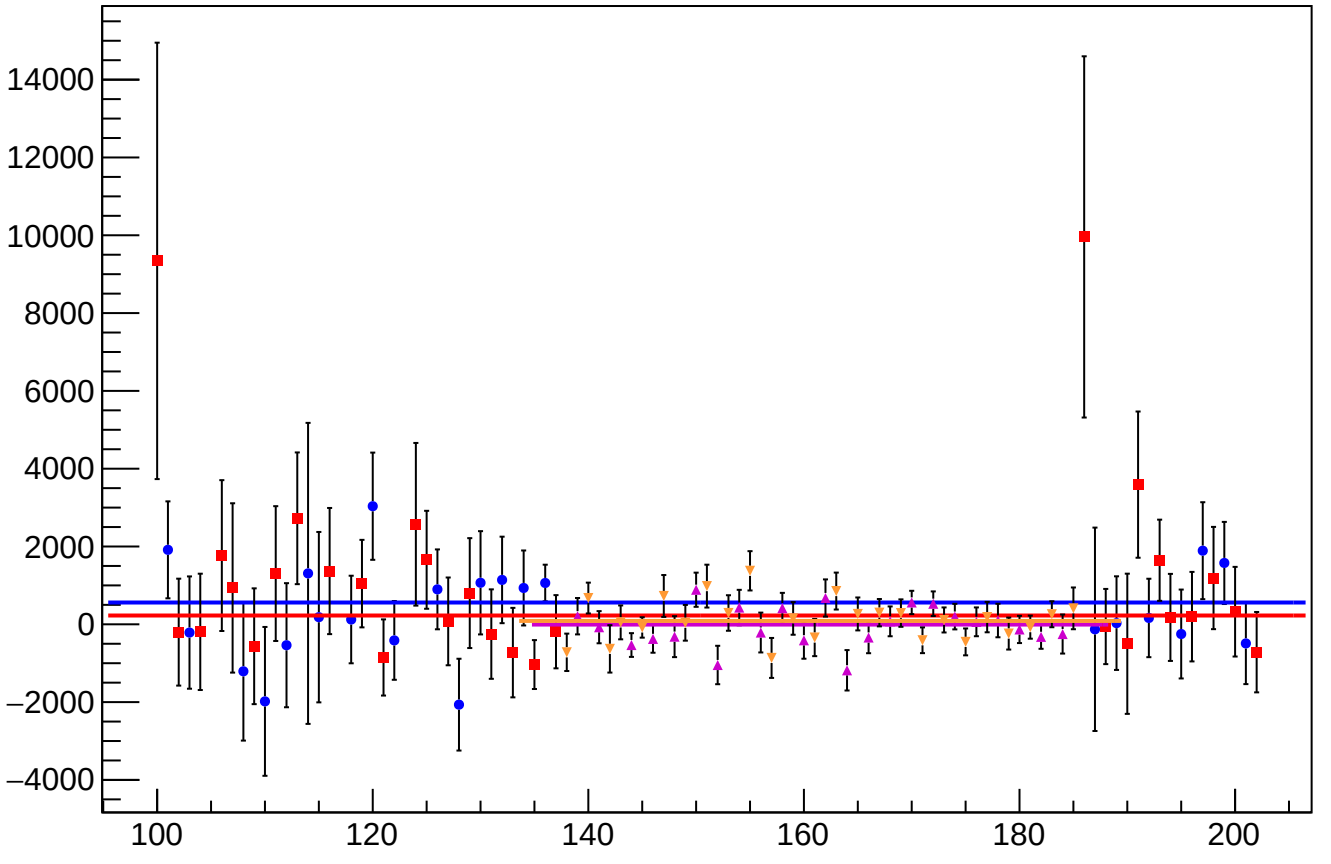
Right Out: 94.180+/-0.018 χ^2/NDF: 1903355.2/28

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 68.573+/-0.009 χ^2/NDF: 3654963.1/47

All: 69.377+/-0.006 χ^2/NDF: 8373054.0/99

- sign 70.208+/-0.009 χ^2/NDF: 4701496.0/51



Right In: 560.207+/-233.354 χ^2/NDF: 19.8/22

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

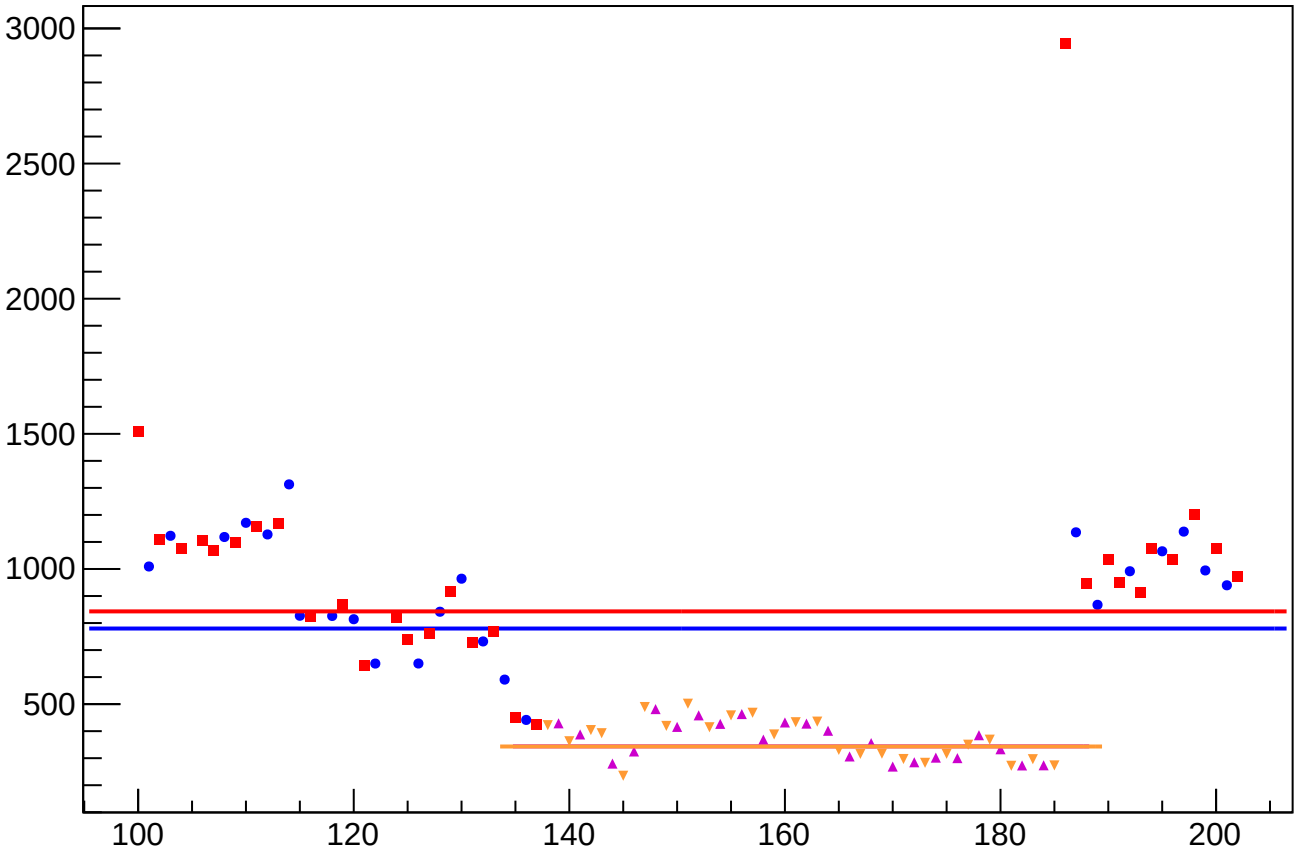
Right Out: 226.172+/-231.833 χ^2/NDF: 27.5/28

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 136.572+/-75.538 χ^2/NDF: 55.2/47

All: 79.429+/-54.060 χ^2/NDF: 117.2/99

- sign 19.436+/-77.399 χ^2/NDF: 60.9/51



Right In: 779.706+/-0.165 χ^2/NDF: 2257033.1/22

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 843.106+/-0.164 χ^2/NDF: 2606278.6/28

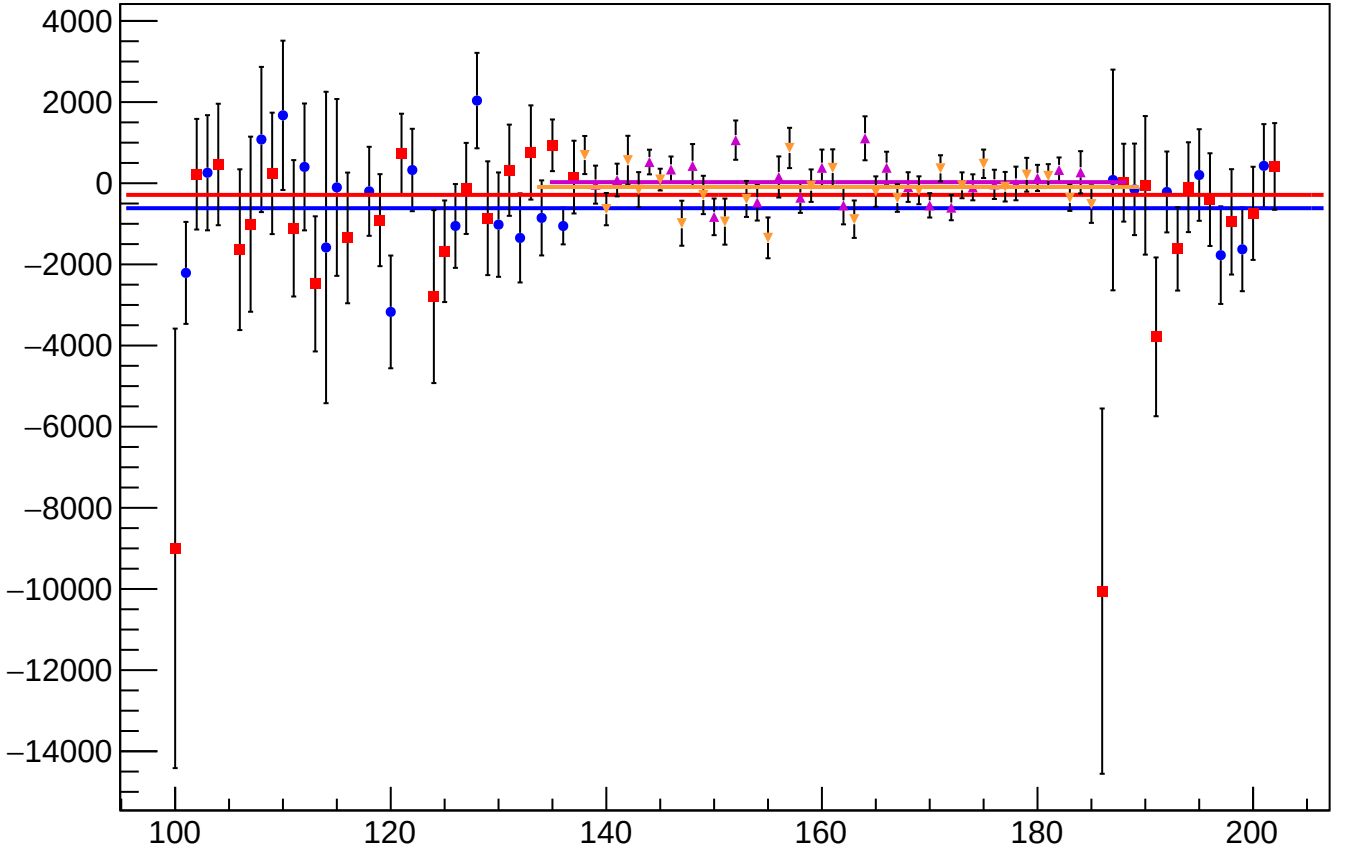
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 388.962+/-0.053 χ^2/NDF: 10116494.8/47

All: 394.044+/-0.038 χ^2/NDF: 22245508.0/99

- sign 399.379+/-0.055 χ^2/NDF: 12110455.3/51

asym_sam_15_26_dd_mean vs Slug



Right In: -615.224+/-228.440 χ^2/NDF: 20.0/22

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -286.943+/-231.034 χ^2/NDF: 25.9/28

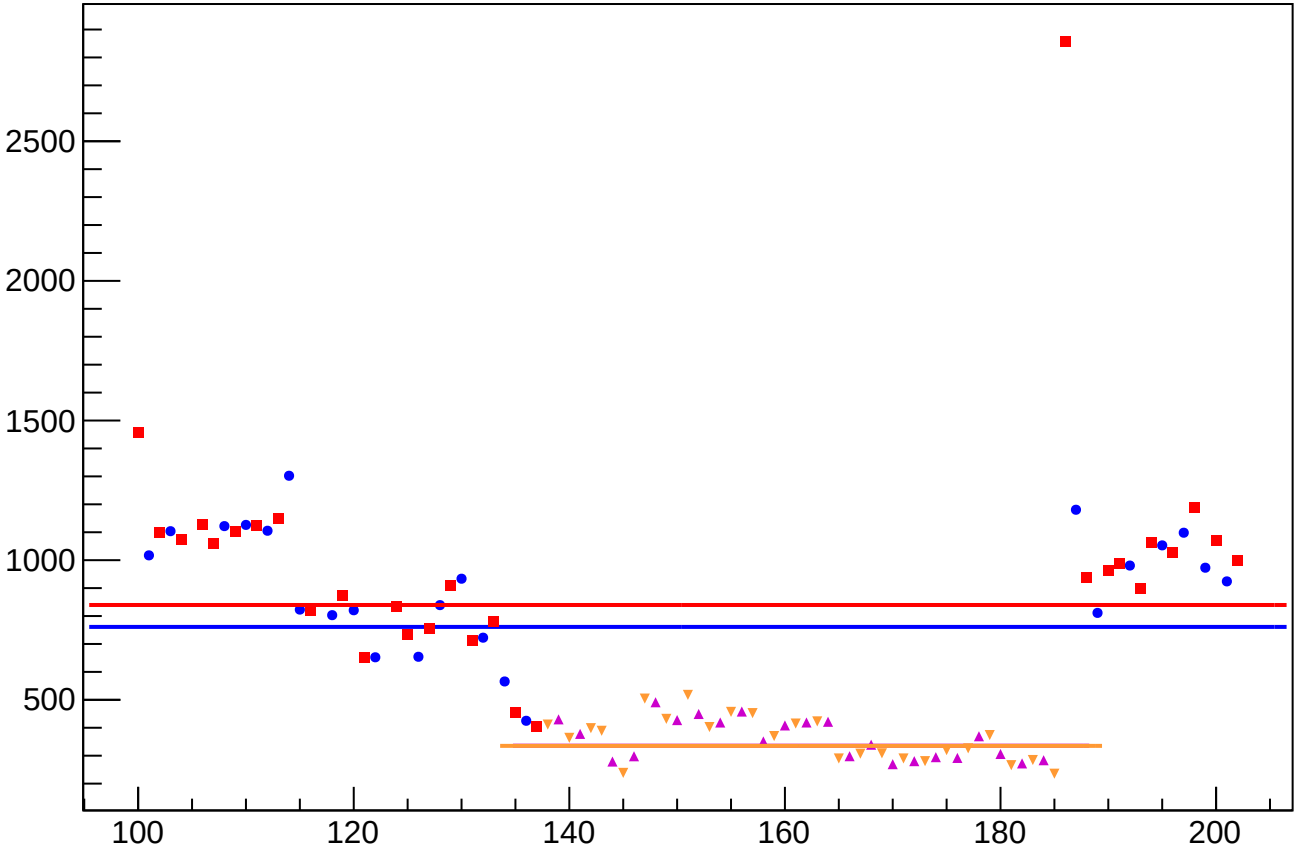
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -147.463+/-73.972 χ^2/NDF: 58.9/47

All: -78.730+/-52.931 χ^2/NDF: 119.1/99

- sign -6.613+/-75.771 χ^2/NDF: 58.4/51

asym_sam_15_26_dd_rms vs Slug



Right In: 761.071+/-0.162 χ^2/NDF: 2359881.3/22

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

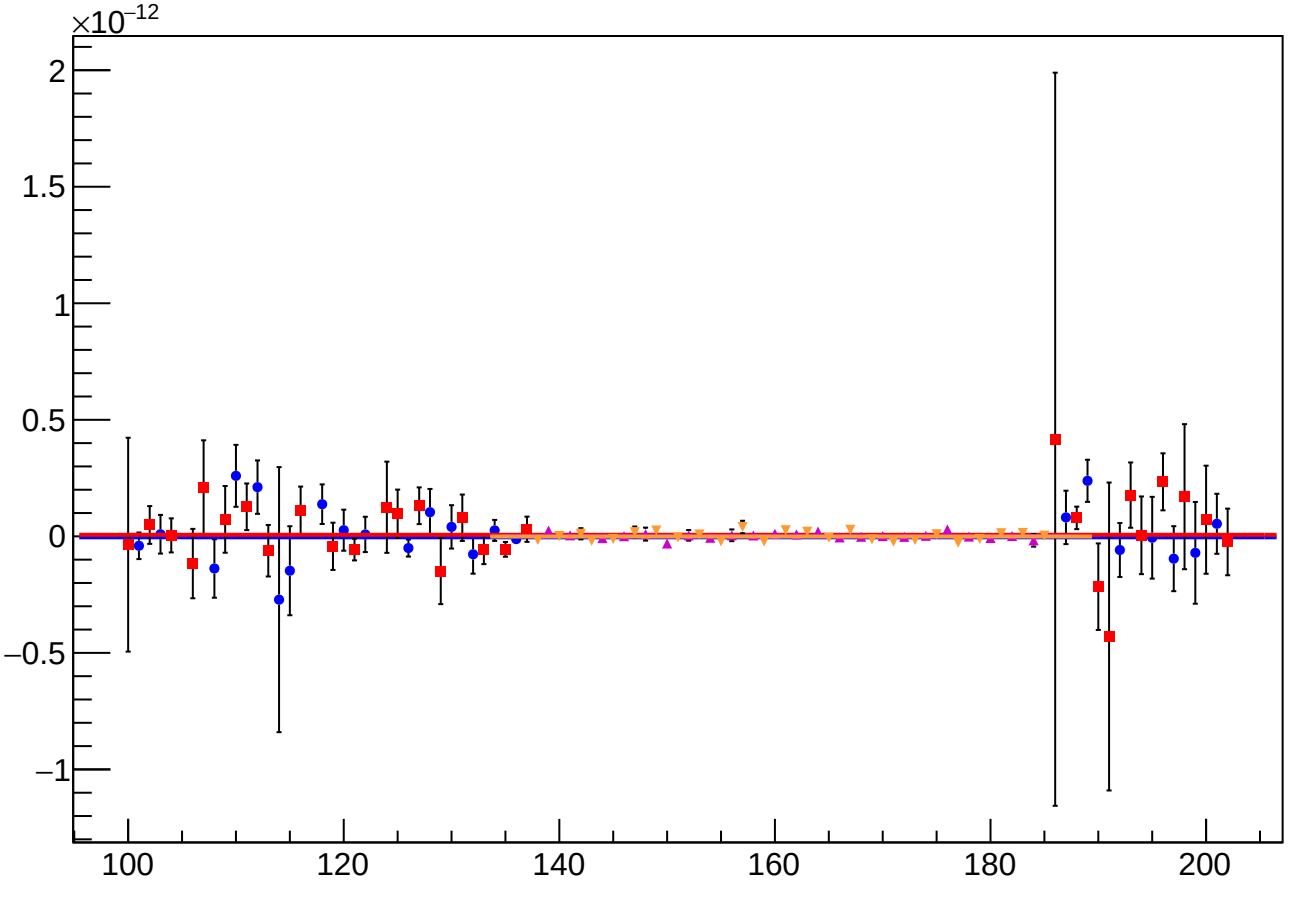
Right Out: 839.577+/-0.163 χ^2/NDF: 2595867.4/28

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 379.809+/-0.052 χ^2/NDF: 10289412.9/47

All: 384.770+/-0.037 χ^2/NDF: 22682088.7/99

- sign 389.975+/-0.054 χ^2/NDF: 12374242.8/51



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

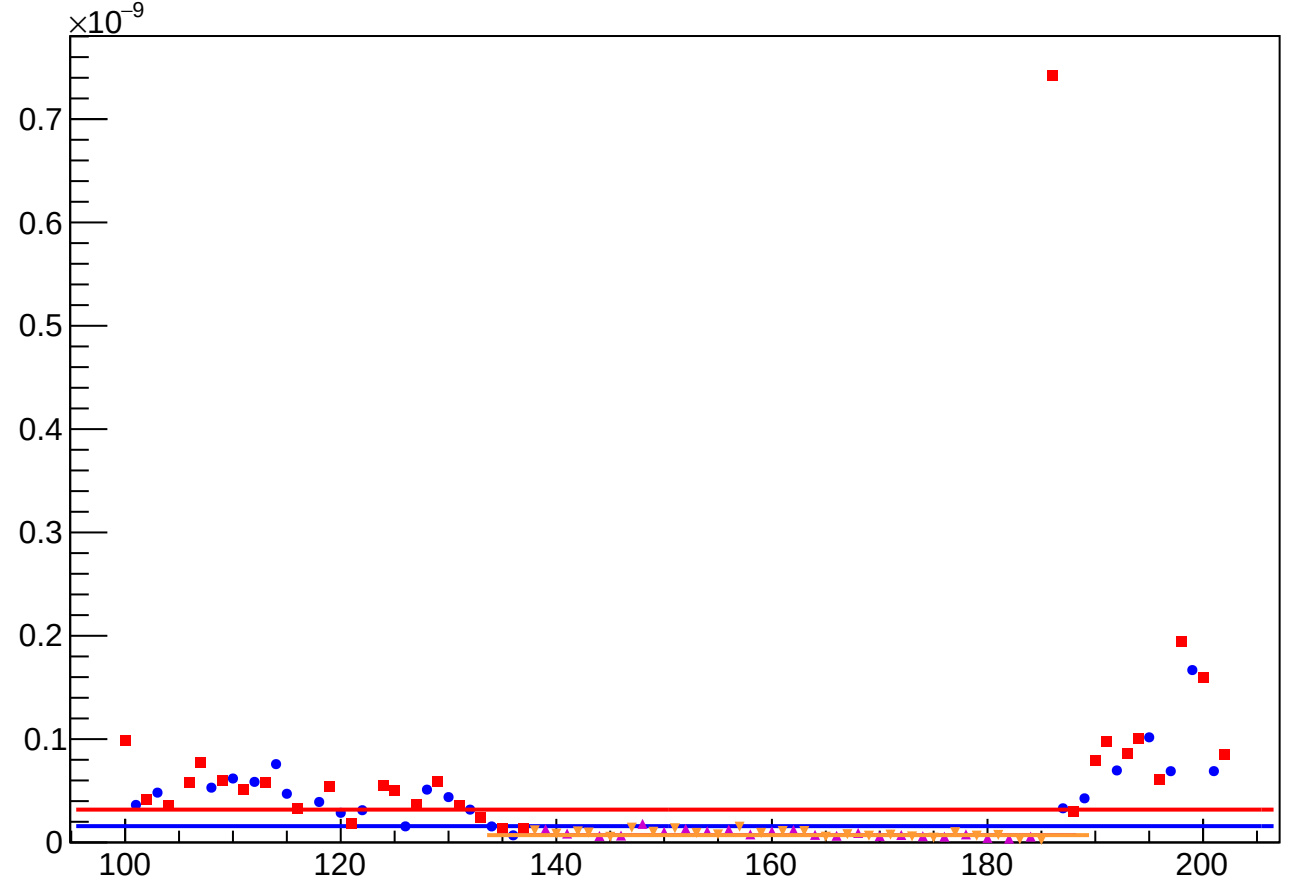
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/28

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.4/47

All: 0.000+/-0.000 χ^2/NDF: 102.0/99

- sign 0.000+/-0.000 χ^2/NDF: 42.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 5863830.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4616138.2/28

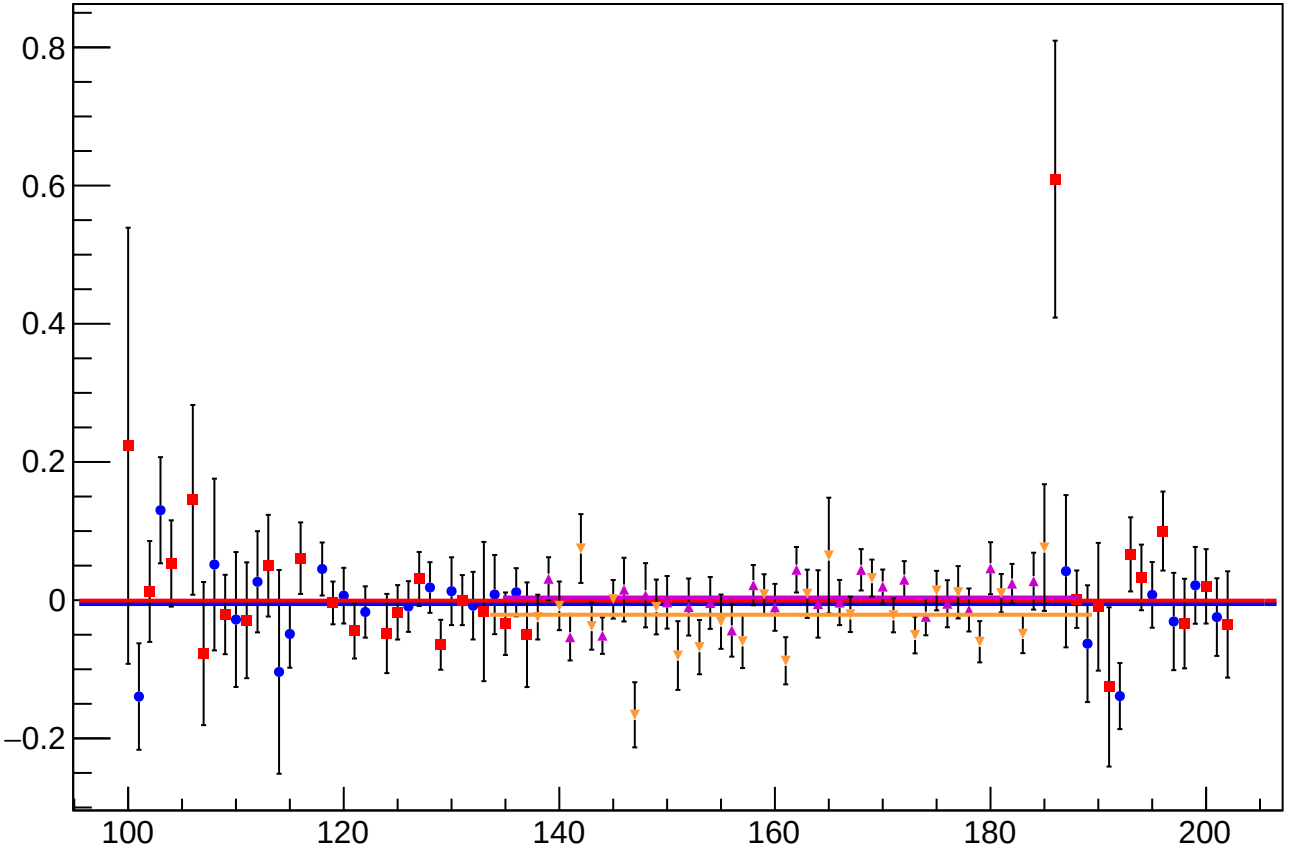
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9212715.0/47

All: 0.000+/-0.000 χ^2/NDF: 20138777.8/99

- sign 0.000+/-0.000 χ^2/NDF: 10910810.7/51

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.011 χ^2/NDF: 19.6/22

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.001+/-0.010 χ^2/NDF: 28.1/28

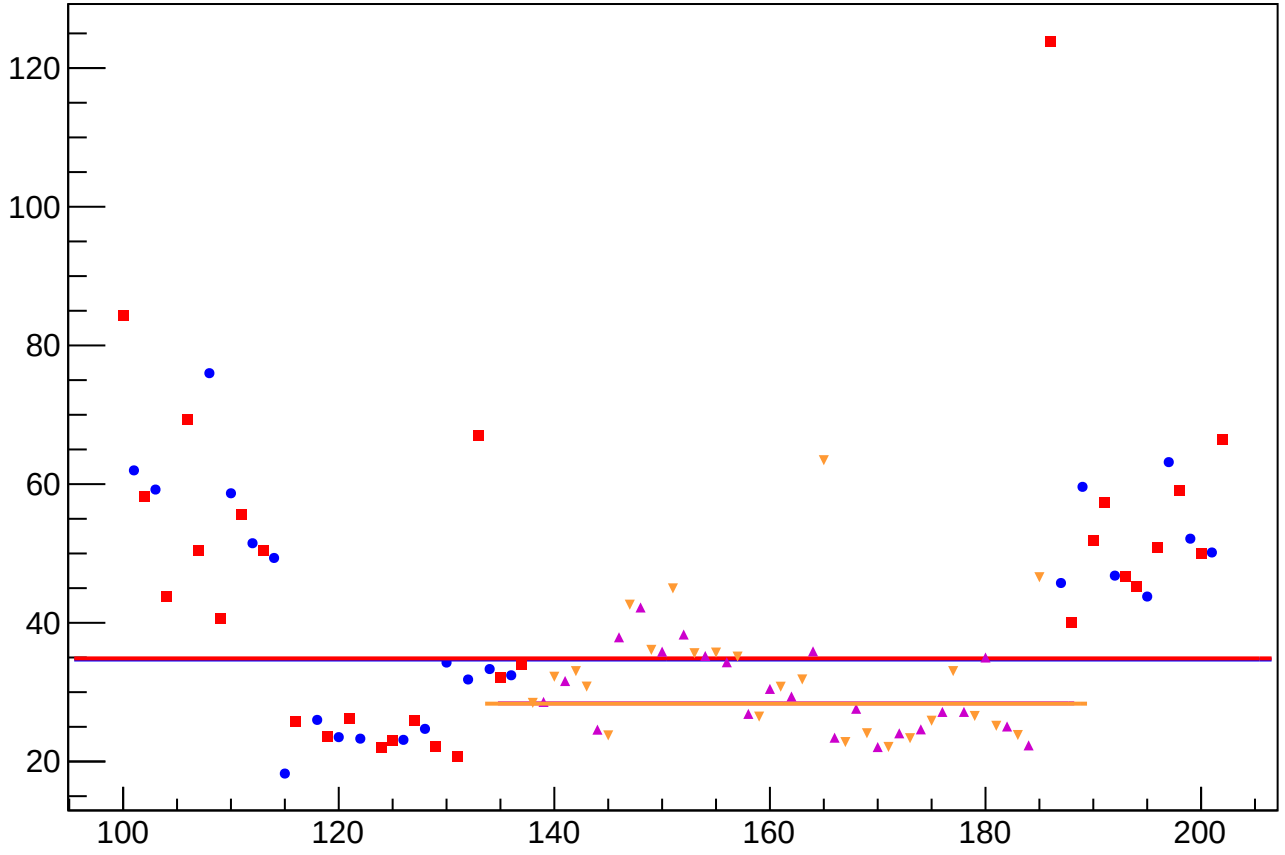
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/47

All: -0.007+/-0.004 χ^2/NDF: 110.9/99

- sign 0.002+/-0.006 χ^2/NDF: 46.9/51

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.709+/-0.008 χ^2/NDF: 3027584.6/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

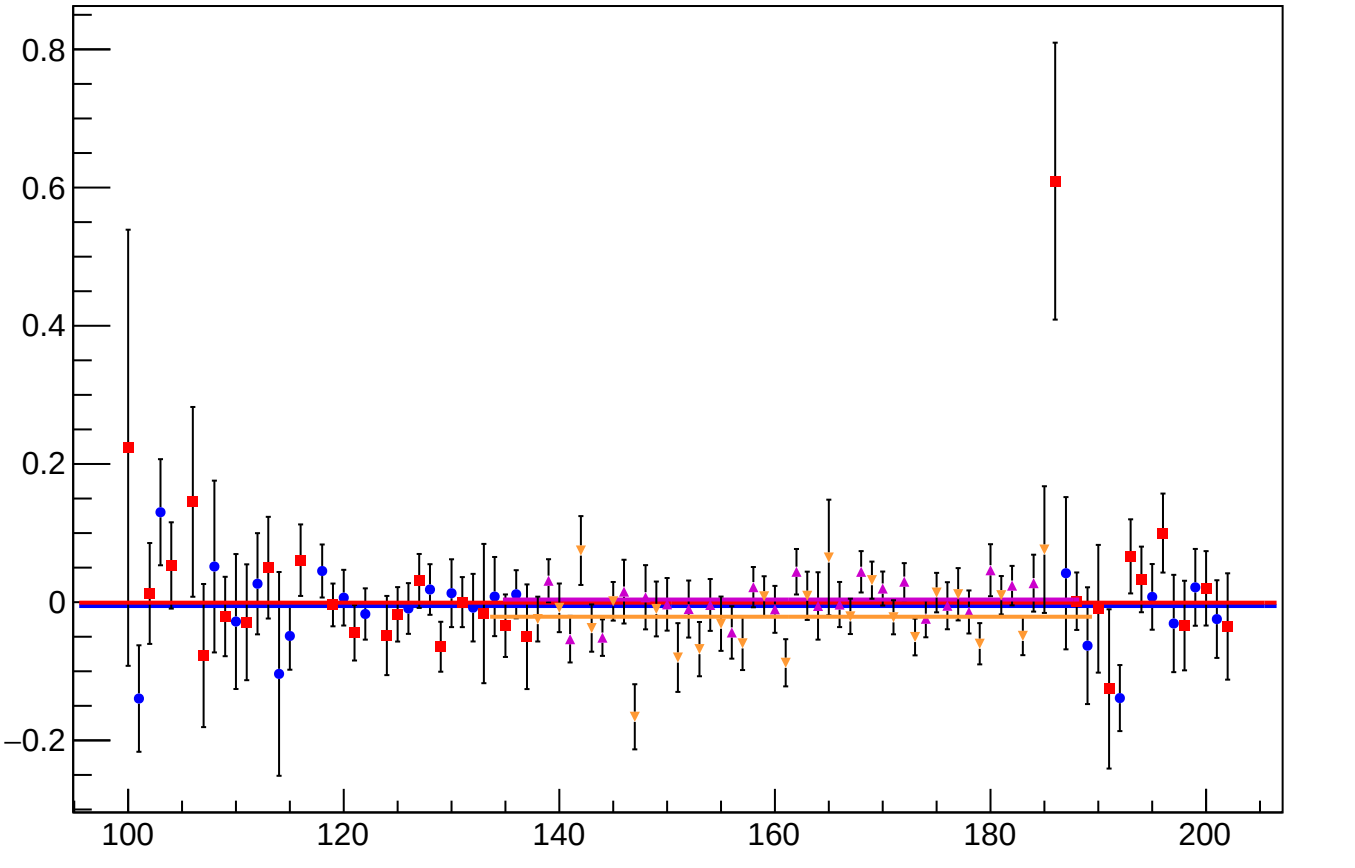
Right Out: 34.869+/-0.007 χ^2/NDF: 3960763.0/28

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.100+/-0.004 χ^2/NDF: 5264397.3/47

All: 30.268+/-0.003 χ^2/NDF: 10891073.7/99

- sign 30.436+/-0.004 χ^2/NDF: 5623174.4/51



Right In: -0.006+/-0.011 χ^2/NDF: 19.6/22

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

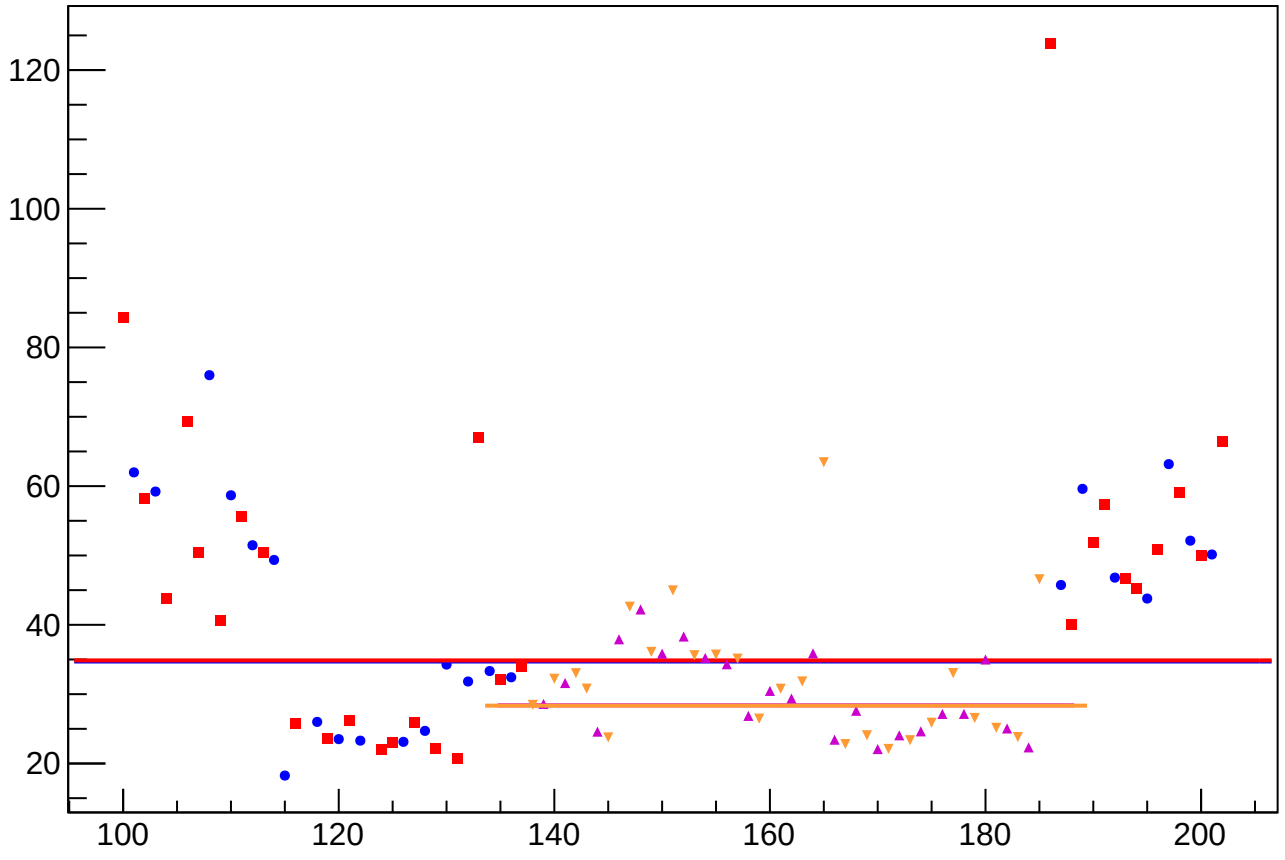
Right Out: -0.001+/-0.010 χ^2/NDF: 28.1/28

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/47

All: -0.007+/-0.004 χ^2/NDF: 110.9/99

- sign 0.002+/-0.006 χ^2/NDF: 46.9/51



Right In: 34.709+/-0.008 χ^2/NDF: 3027584.6/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

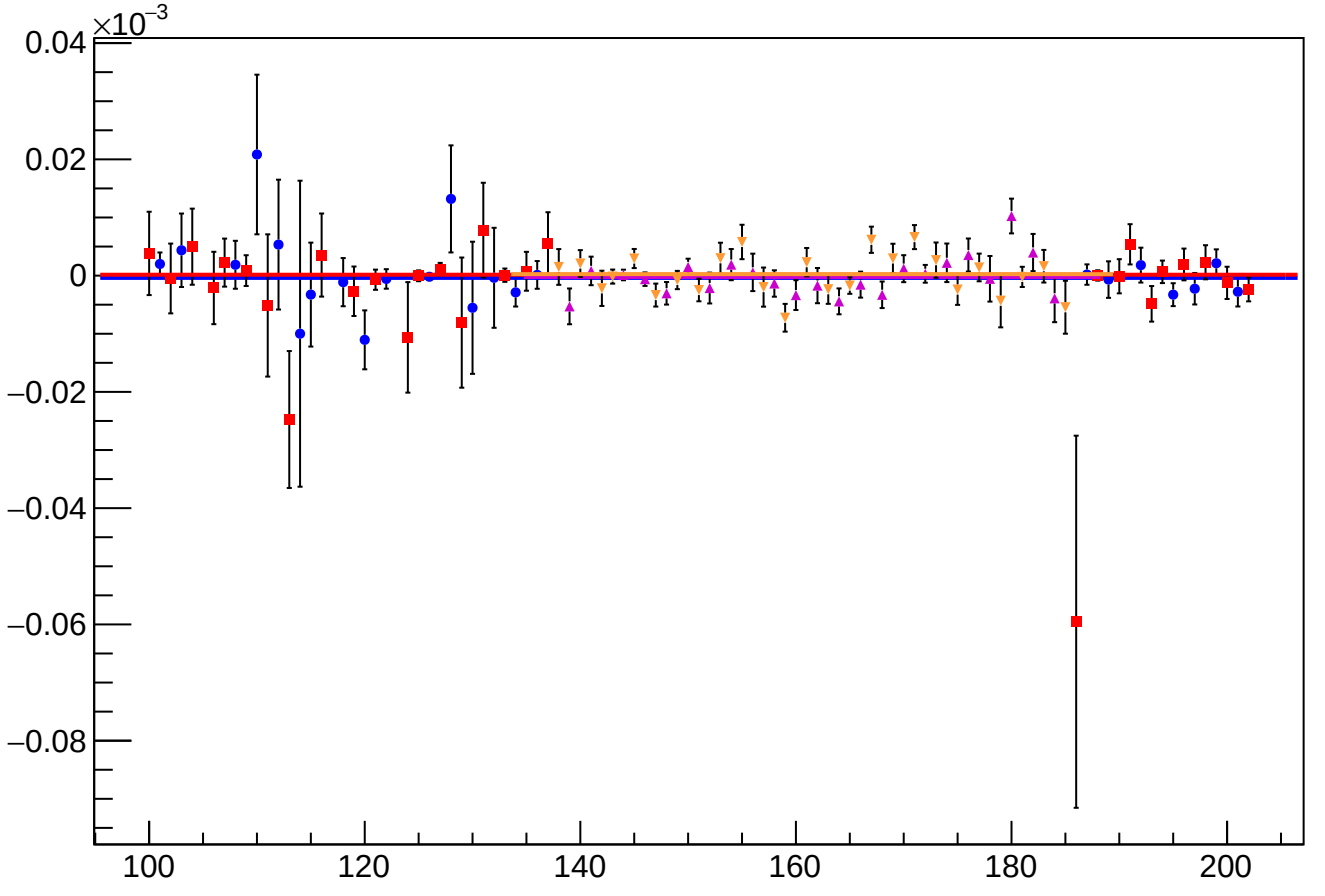
Right Out: 34.869+/-0.007 χ^2/NDF: 3960763.0/28

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.100+/-0.004 χ^2/NDF: 5264397.3/47

All: 30.268+/-0.003 χ^2/NDF: 10891073.7/99

- sign 30.436+/-0.004 χ^2/NDF: 5623174.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

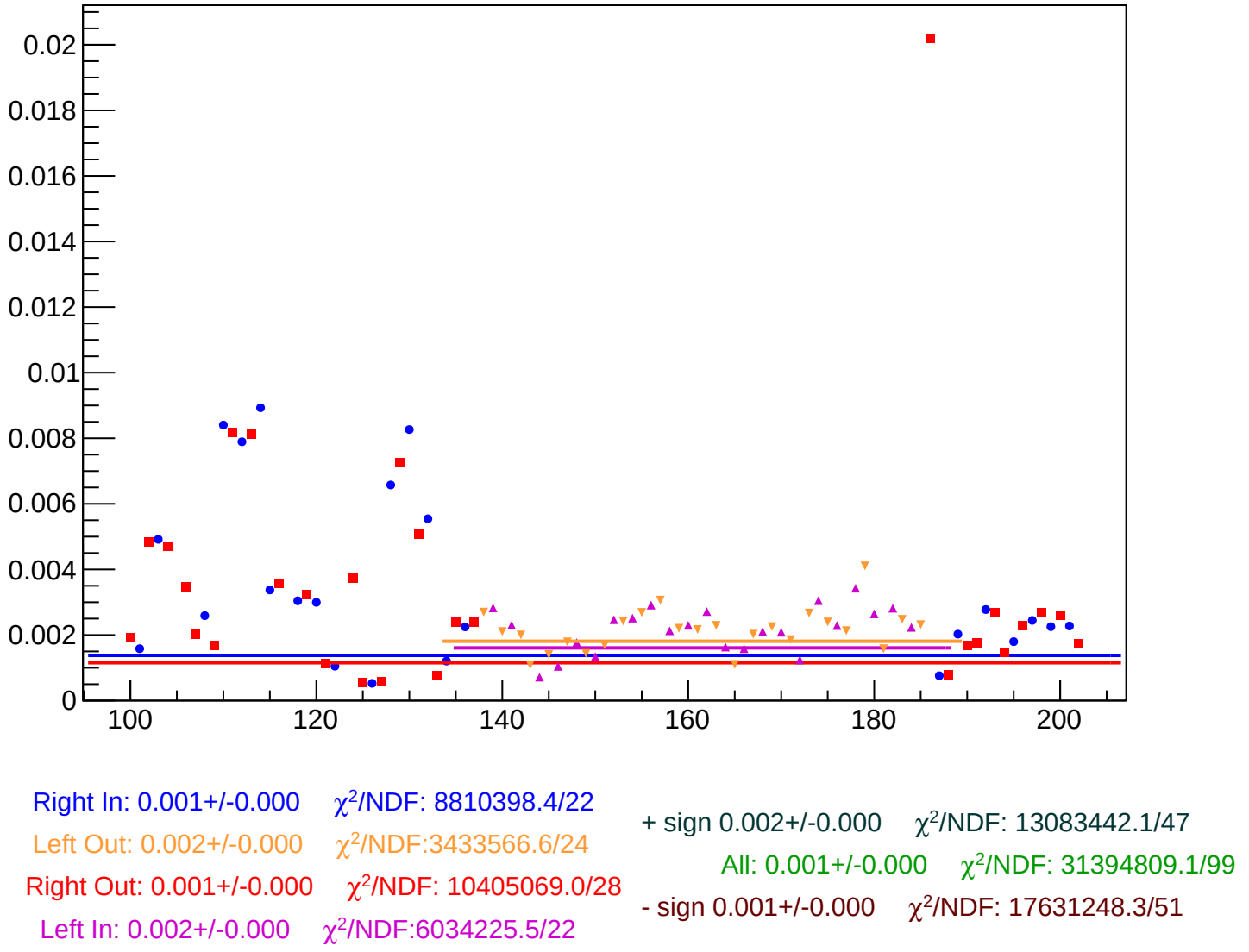
Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/28

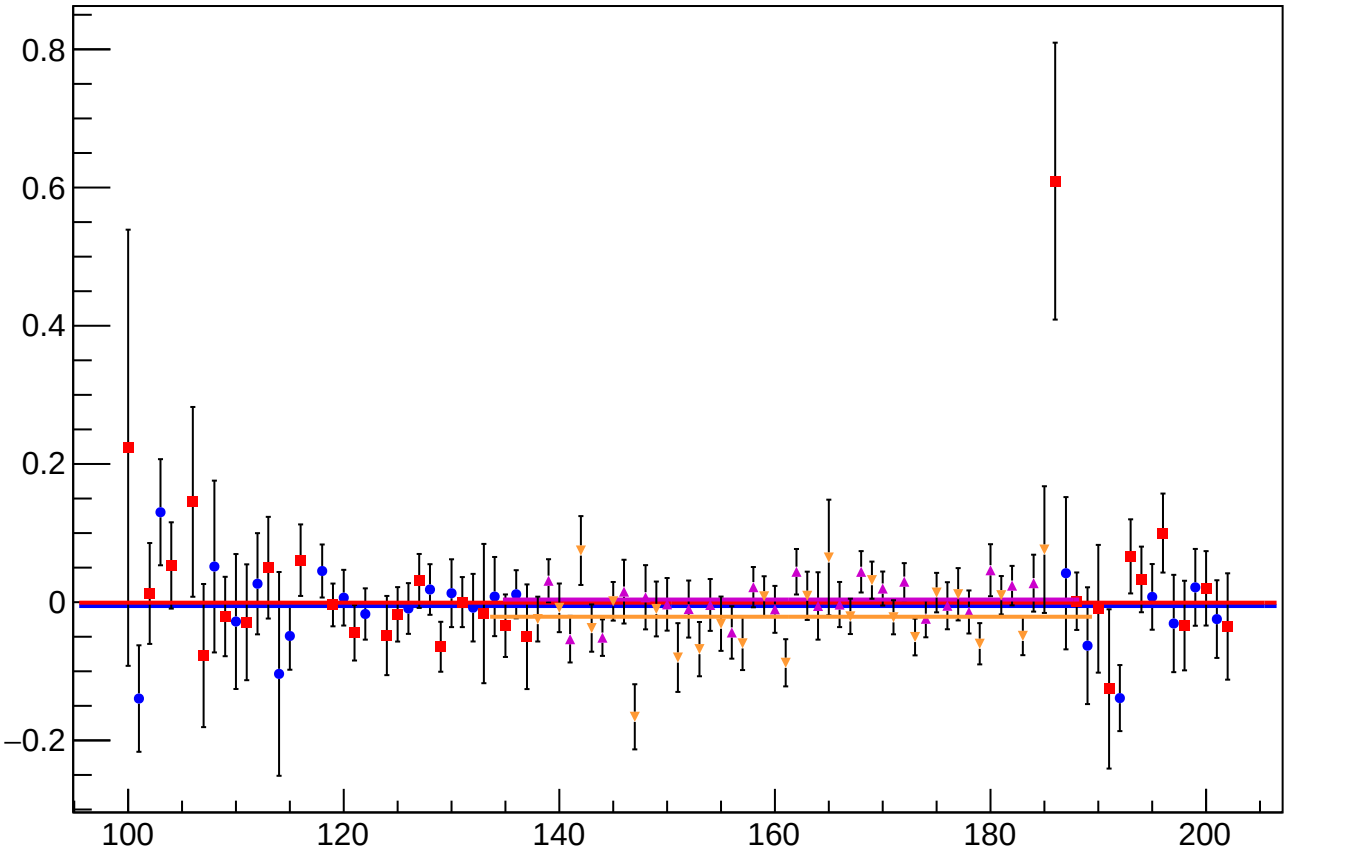
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

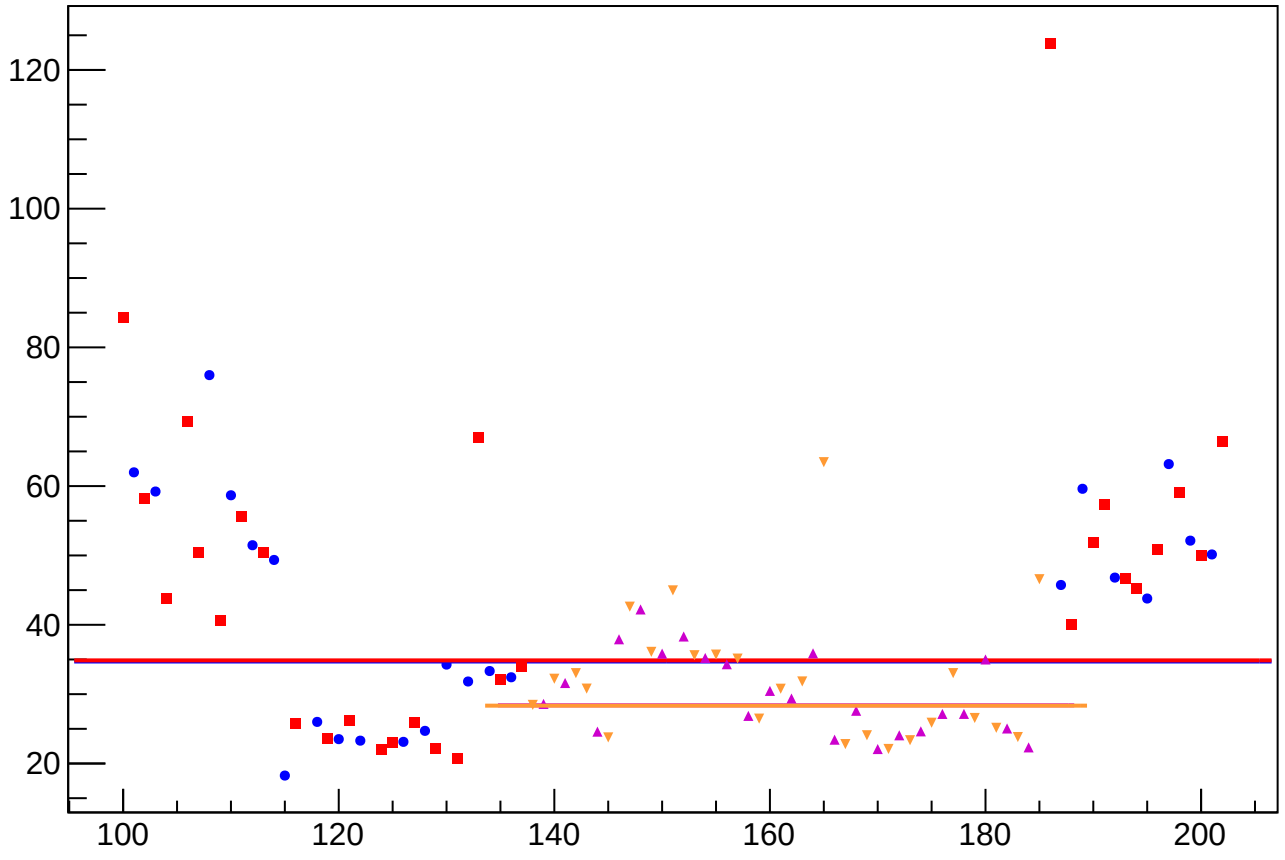
+ sign -0.000+/-0.000 χ^2/NDF: 70.2/47

All: -0.000+/-0.000 χ^2/NDF: 126.6/99

- sign -0.000+/-0.000 χ^2/NDF: 56.4/51


asym_sam_15_26_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
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8810398.4/22
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 10405069.0/28
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
+ sign 0.002+/-0.000 χ²/NDF: 13083442.1/47
All: 0.001+/-0.000 χ²/NDF: 31394809.1/99
- sign 0.001+/-0.000 χ²/NDF: 17631248.3/51


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: -0.006+/-0.011 χ²/NDF: 19.6/22
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.001+/-0.010 χ²/NDF: 28.1/28
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.017+/-0.006 χ²/NDF: 58.3/47
All: -0.007+/-0.004 χ²/NDF: 110.9/99
- sign 0.002+/-0.006 χ²/NDF: 47.0/51



Right In: 34.709+/-0.008 χ^2/NDF: 3027455.7/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

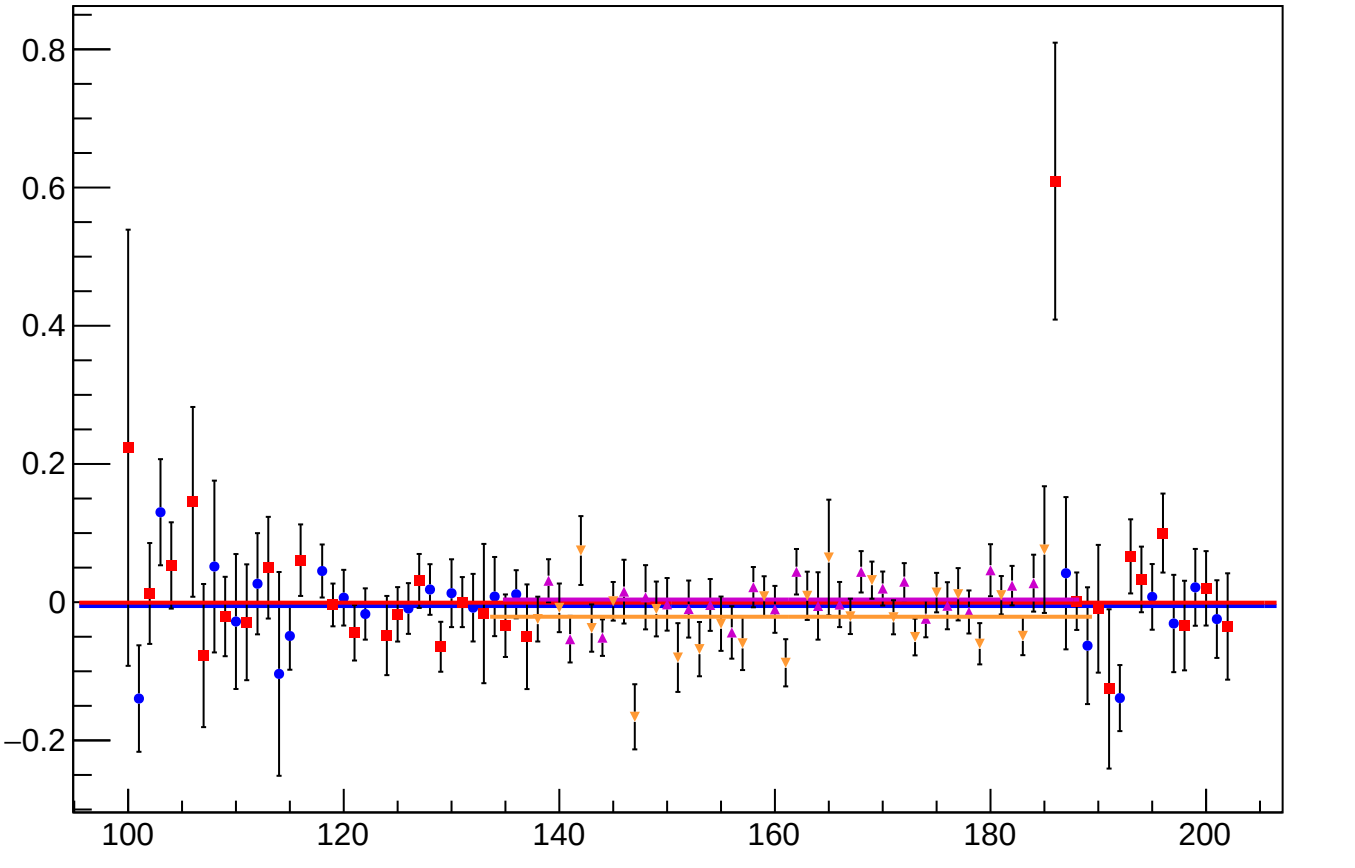
Right Out: 34.869+/-0.007 χ^2/NDF: 3960869.1/28

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.100+/-0.004 χ^2/NDF: 5264257.4/47

All: 30.268+/-0.003 χ^2/NDF: 10890916.0/99

- sign 30.436+/-0.004 χ^2/NDF: 5623156.8/51



Right In: -0.006+/-0.011 χ^2/NDF: 19.6/22

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

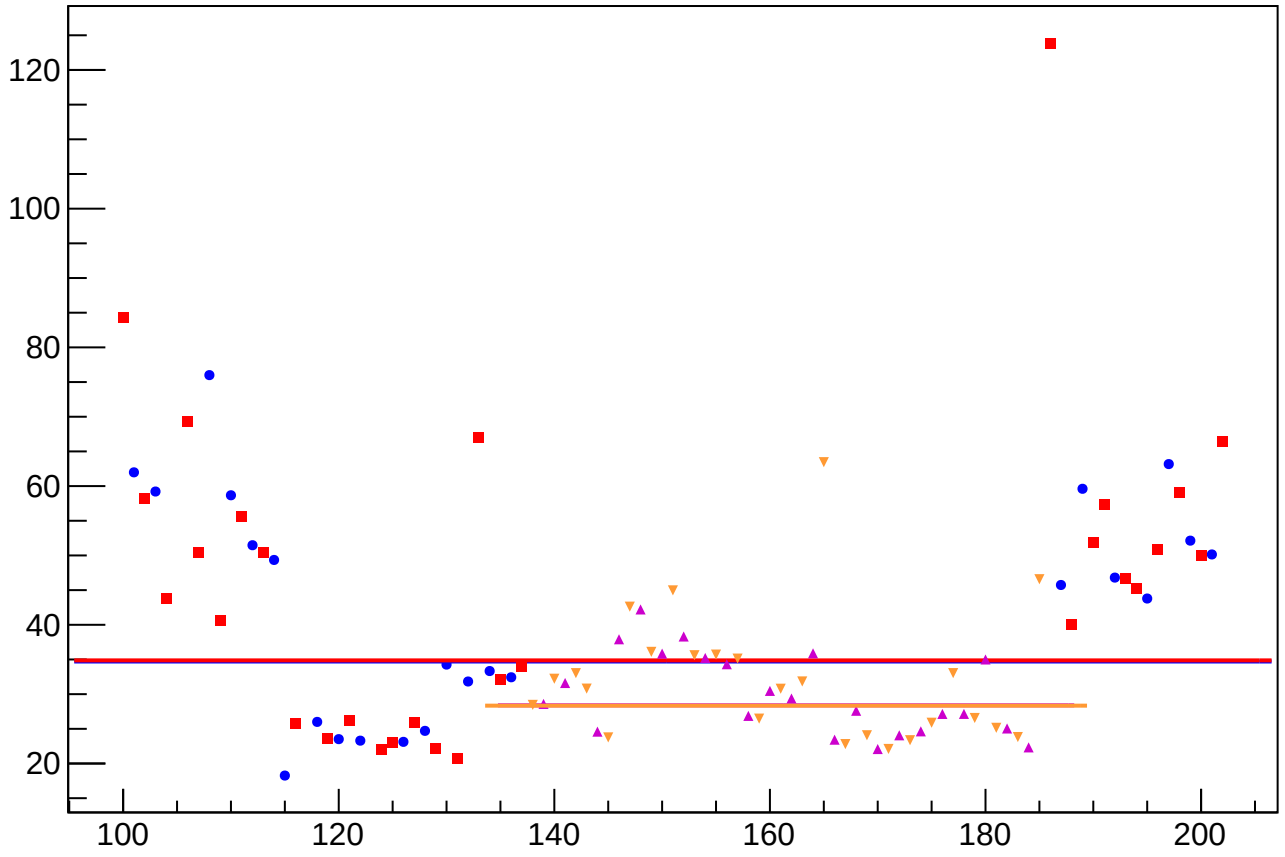
Right Out: -0.001+/-0.010 χ^2/NDF: 28.1/28

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/47

All: -0.007+/-0.004 χ^2/NDF: 110.9/99

- sign 0.002+/-0.006 χ^2/NDF: 47.0/51



Right In: 34.709+/-0.008 χ^2/NDF: 3027455.7/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

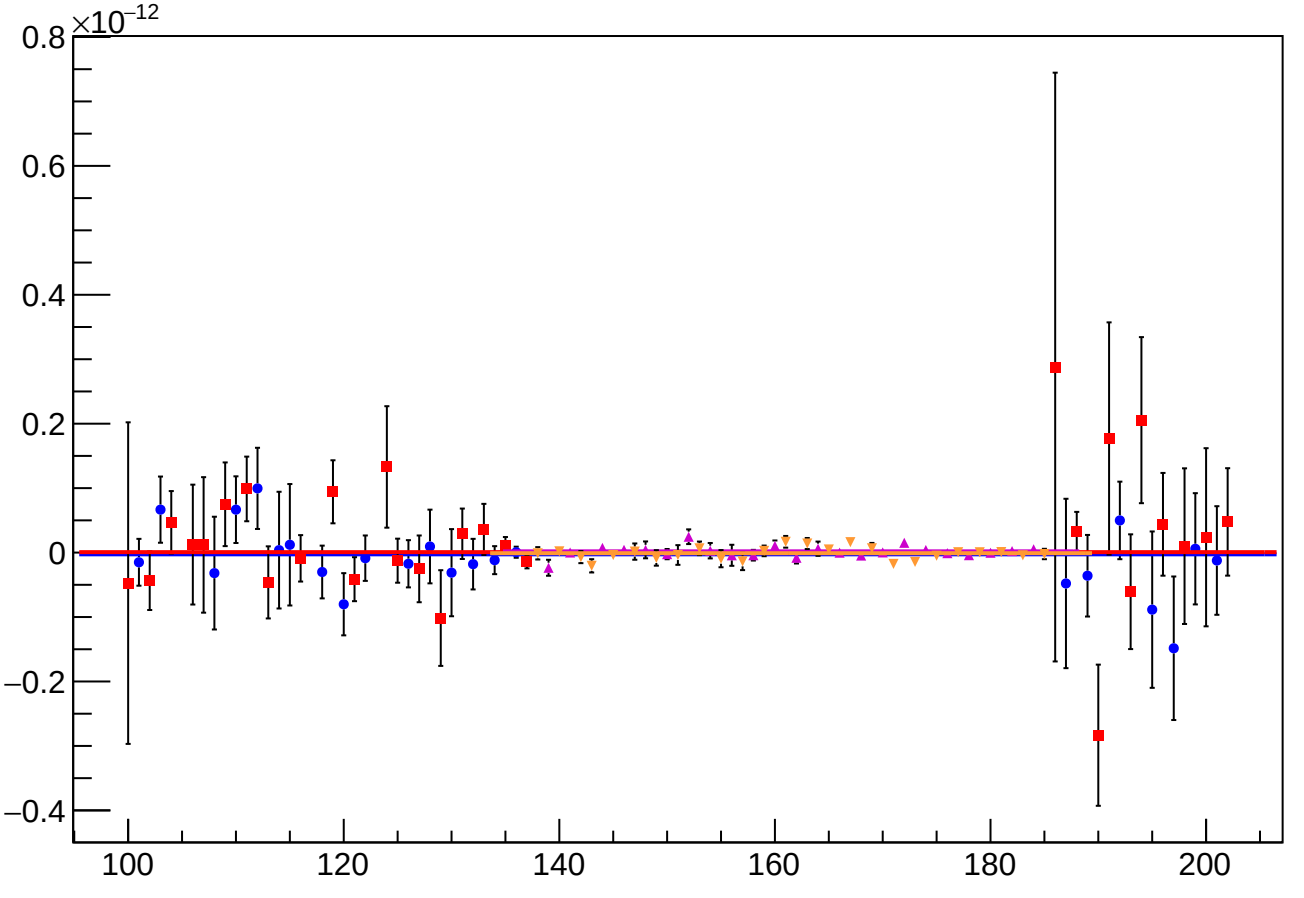
Right Out: 34.869+/-0.007 χ^2/NDF: 3960869.1/28

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.100+/-0.004 χ^2/NDF: 5264257.4/47

All: 30.268+/-0.003 χ^2/NDF: 10890916.0/99

- sign 30.436+/-0.004 χ^2/NDF: 5623156.8/51



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

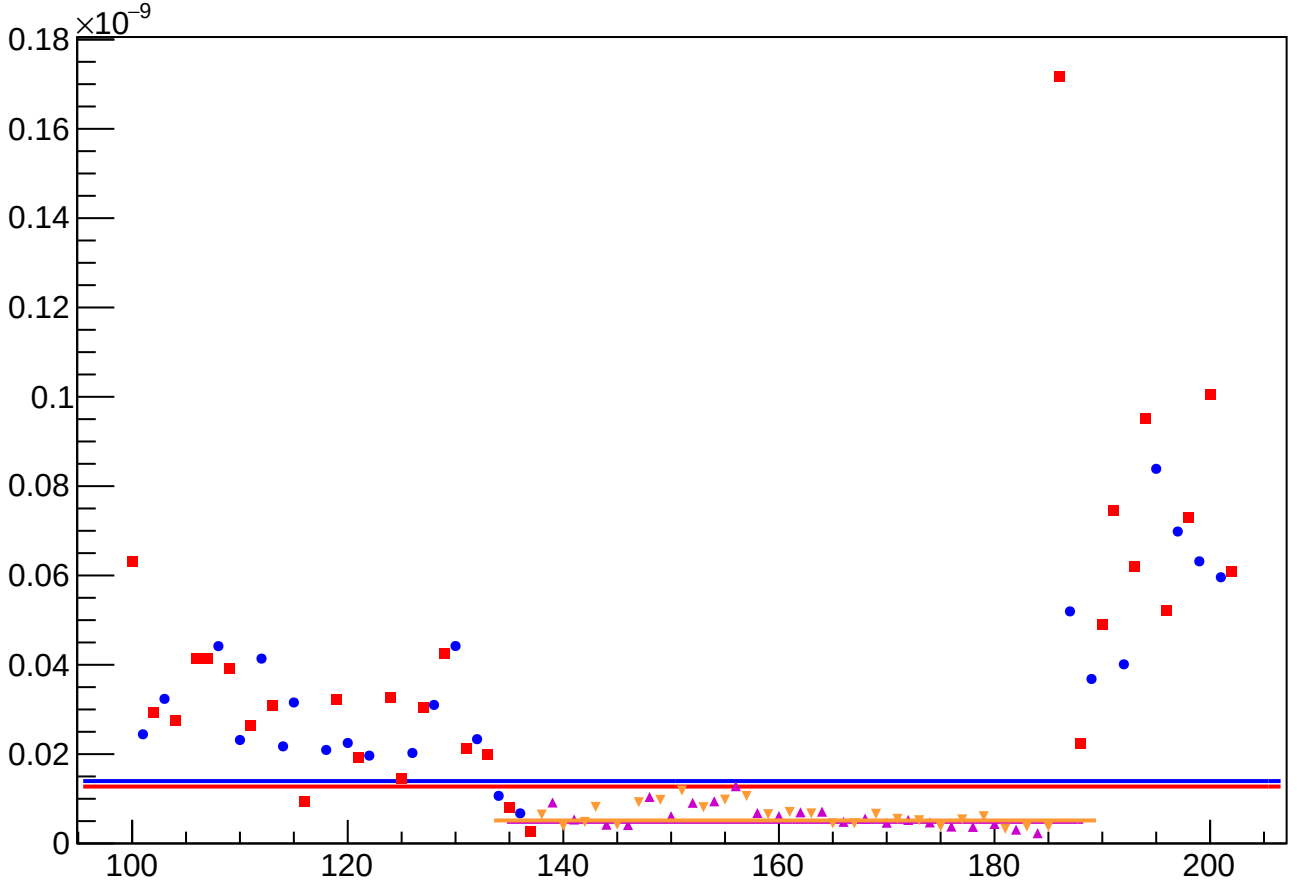
Right Out: 0.000+/-0.000 χ^2/NDF: 34.2/28

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.0/47

All: 0.000+/-0.000 χ^2/NDF: 103.8/99

- sign 0.000+/-0.000 χ^2/NDF: 53.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 6778143.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9770121.5/28

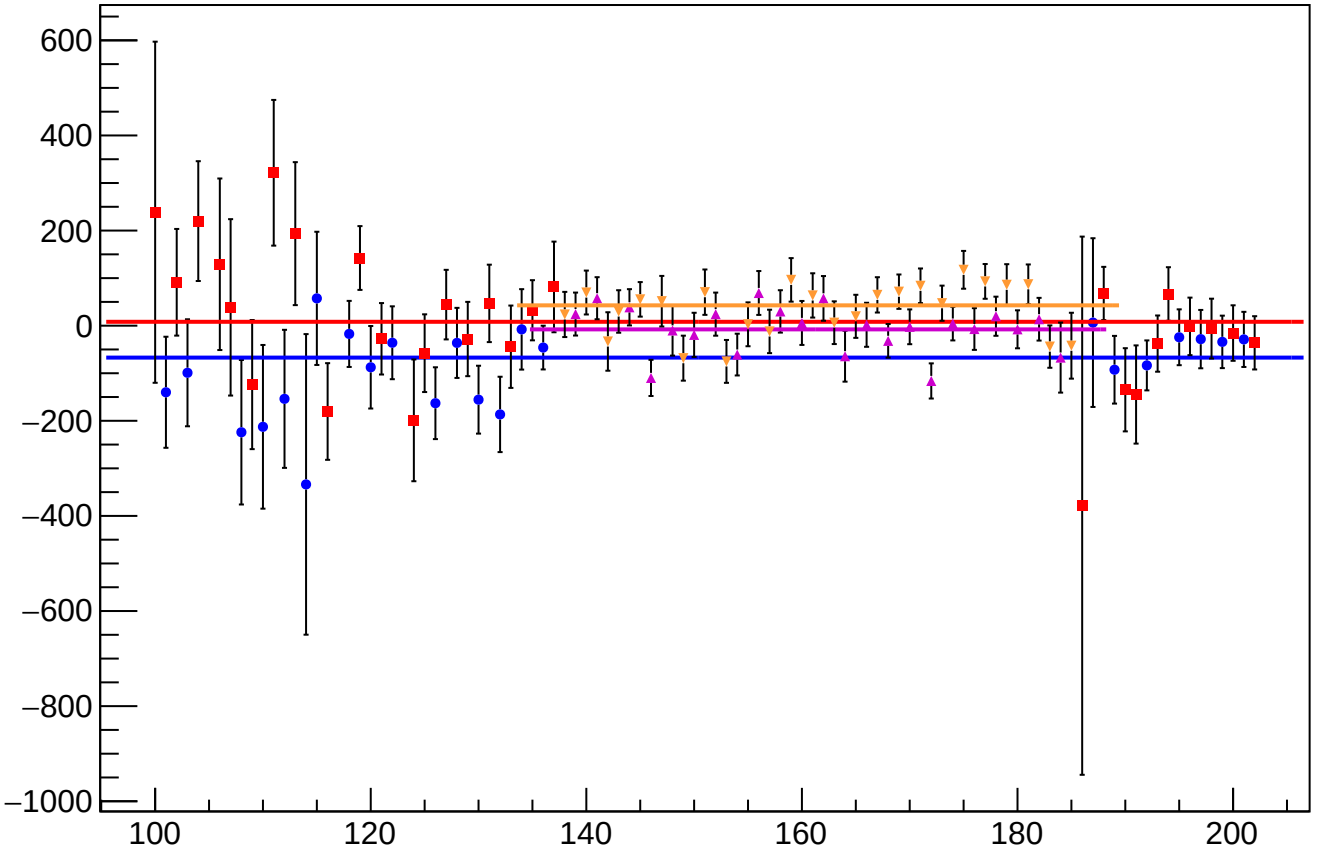
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 13153728.1/47

All: 0.000+/-0.000 χ^2/NDF: 28906696.2/99

- sign 0.000+/-0.000 χ^2/NDF: 15697632.3/51

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -67.112+/-15.911 χ^2/NDF: 13.3/22

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 8.175+/-15.179 χ^2/NDF: 32.7/28

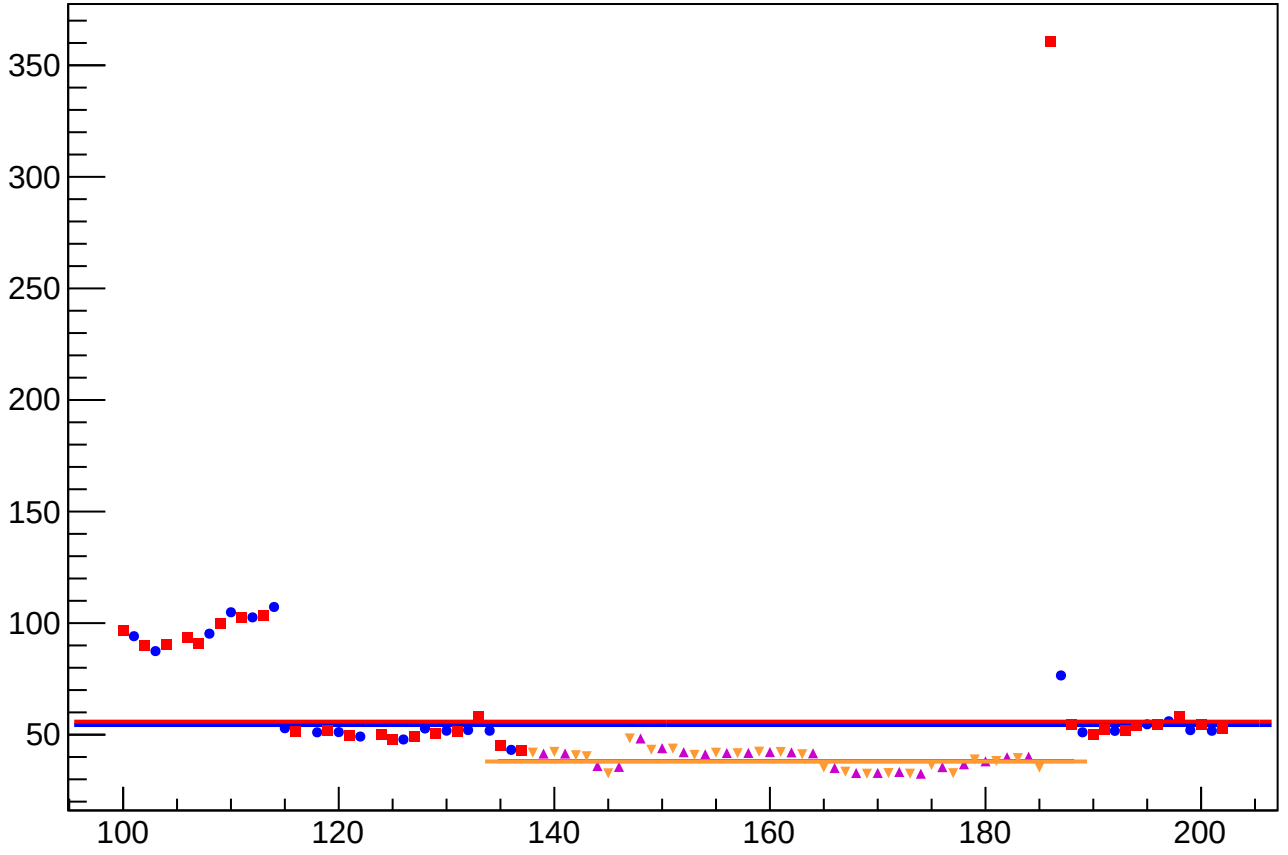
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 17.483+/-7.632 χ^2/NDF: 84.7/47

All: 7.044+/-5.429 χ^2/NDF: 152.6/99

- sign -3.650+/-7.725 χ^2/NDF: 64.1/51

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 54.337+/-0.011 χ^2/NDF: 1205329.0/22

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

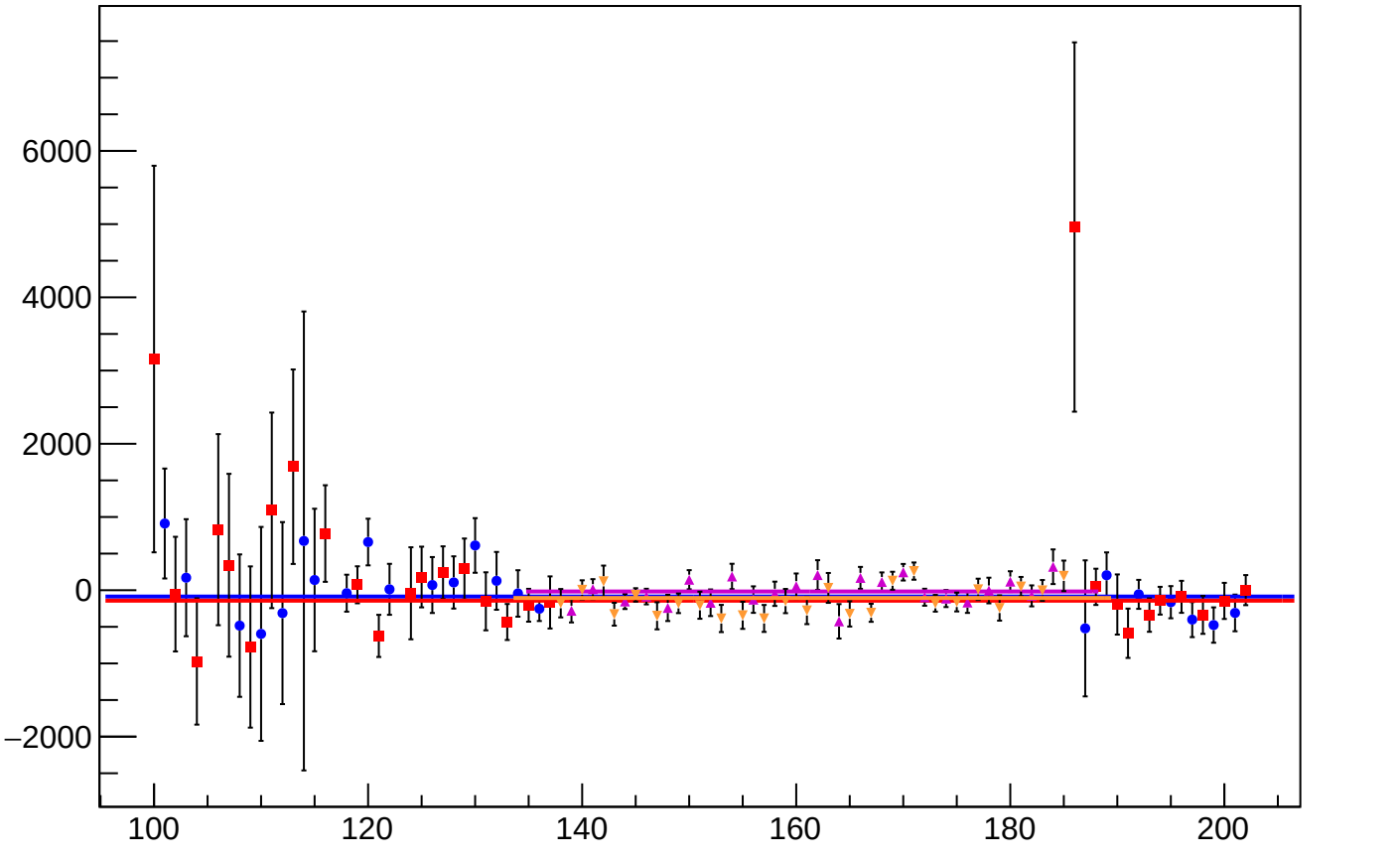
Right Out: 55.845+/-0.011 χ^2/NDF: 1907675.4/28

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.751+/-0.005 χ^2/NDF: 3344460.0/47

All: 42.230+/-0.004 χ^2/NDF: 7714256.2/99

- sign 42.721+/-0.005 χ^2/NDF: 4353862.3/51



Right In: -86.778+/-67.045 χ^2/NDF: 19.5/22

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -142.820+/-61.657 χ^2/NDF: 24.4/28

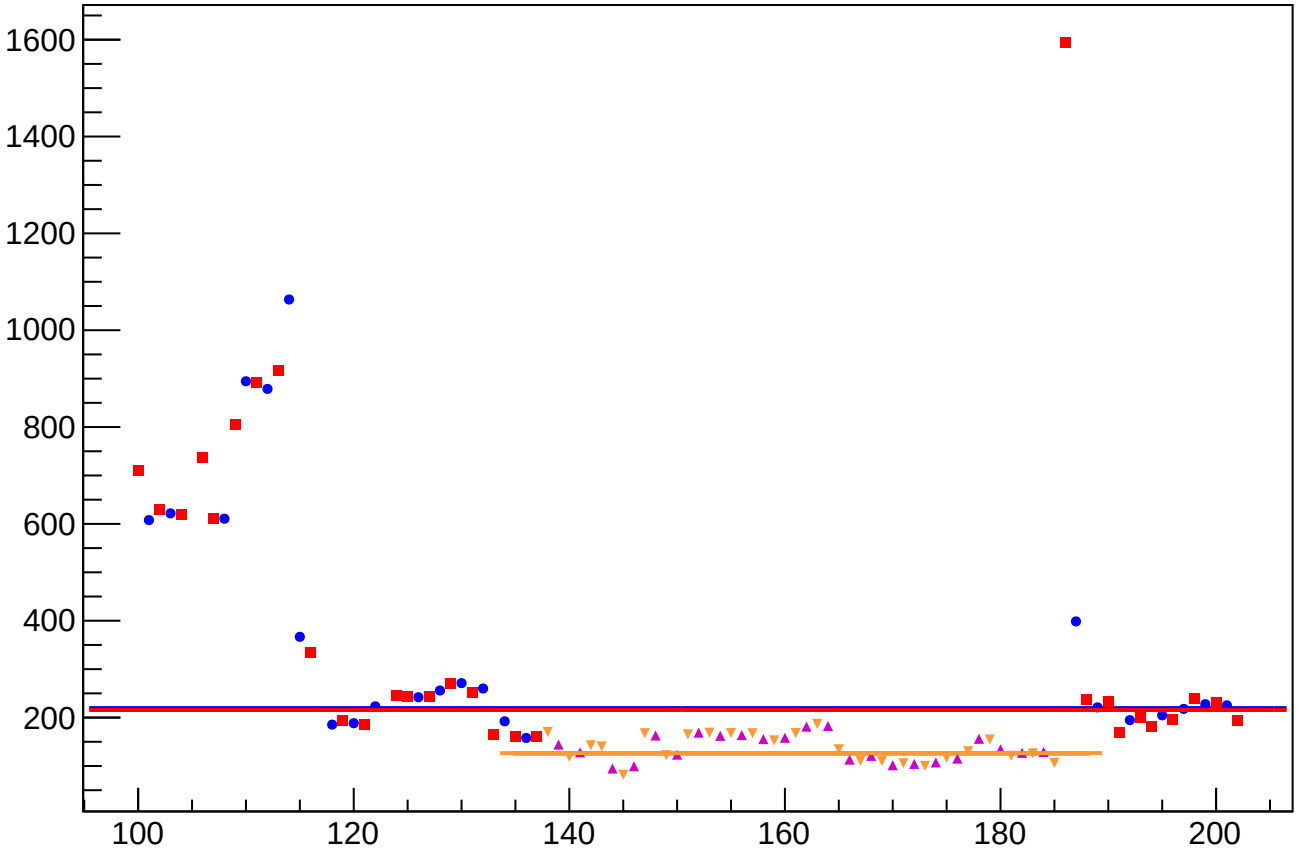
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -103.295+/-27.050 χ^2/NDF: 57.2/47

All: -72.587+/-19.149 χ^2/NDF: 115.8/99

- sign -41.743+/-27.111 χ^2/NDF: 56.0/51

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 219.533+/-0.047 χ^2/NDF: 3091001.7/22

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 215.623+/-0.044 χ^2/NDF: 4458737.2/28

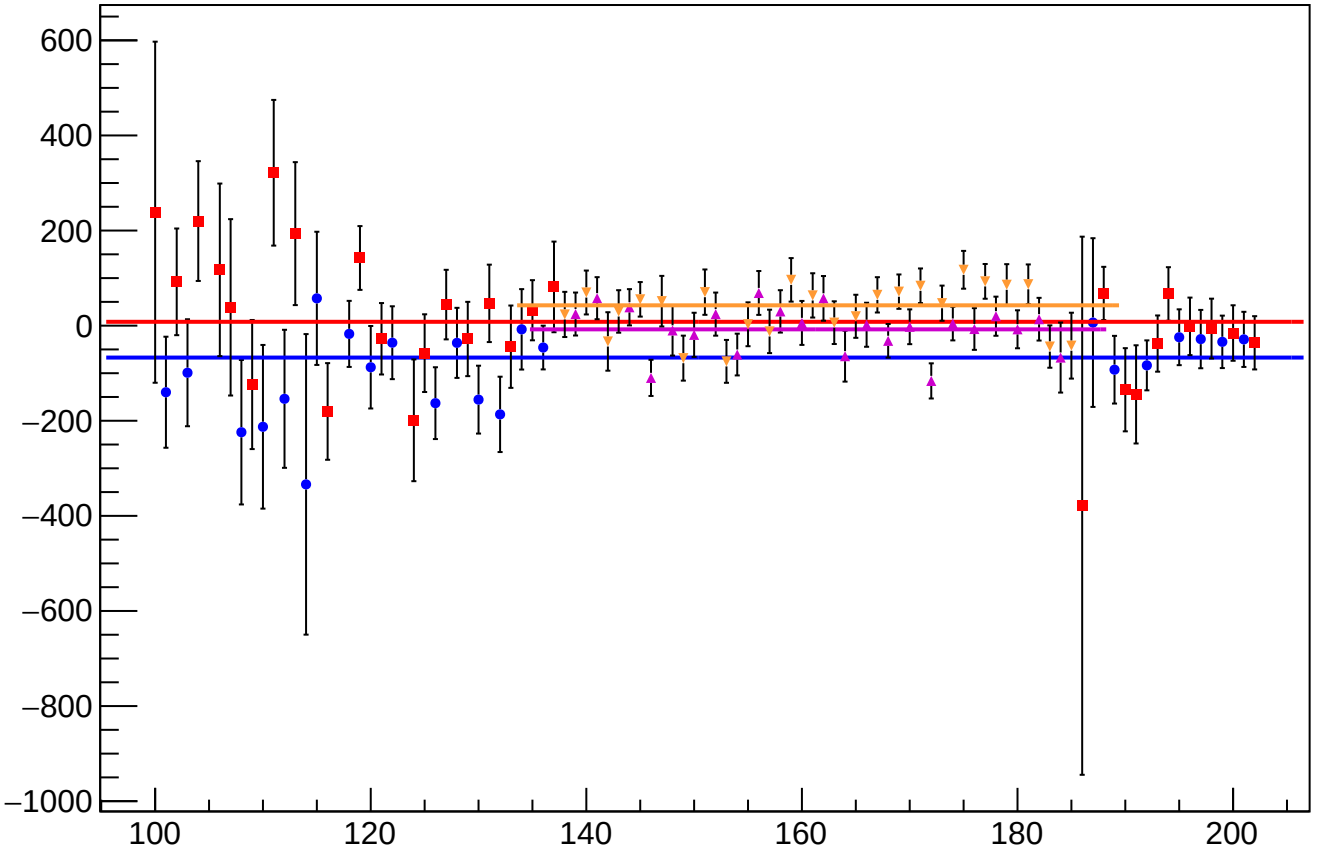
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 141.695+/-0.019 χ^2/NDF: 8069059.9/47

All: 142.515+/-0.014 χ^2/NDF: 17349913.3/99

- sign 143.339+/-0.019 χ^2/NDF: 9277170.9/51

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -67.110+/-15.911 χ^2/NDF: 13.3/22

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 8.101+/-15.179 χ^2/NDF: 32.6/28

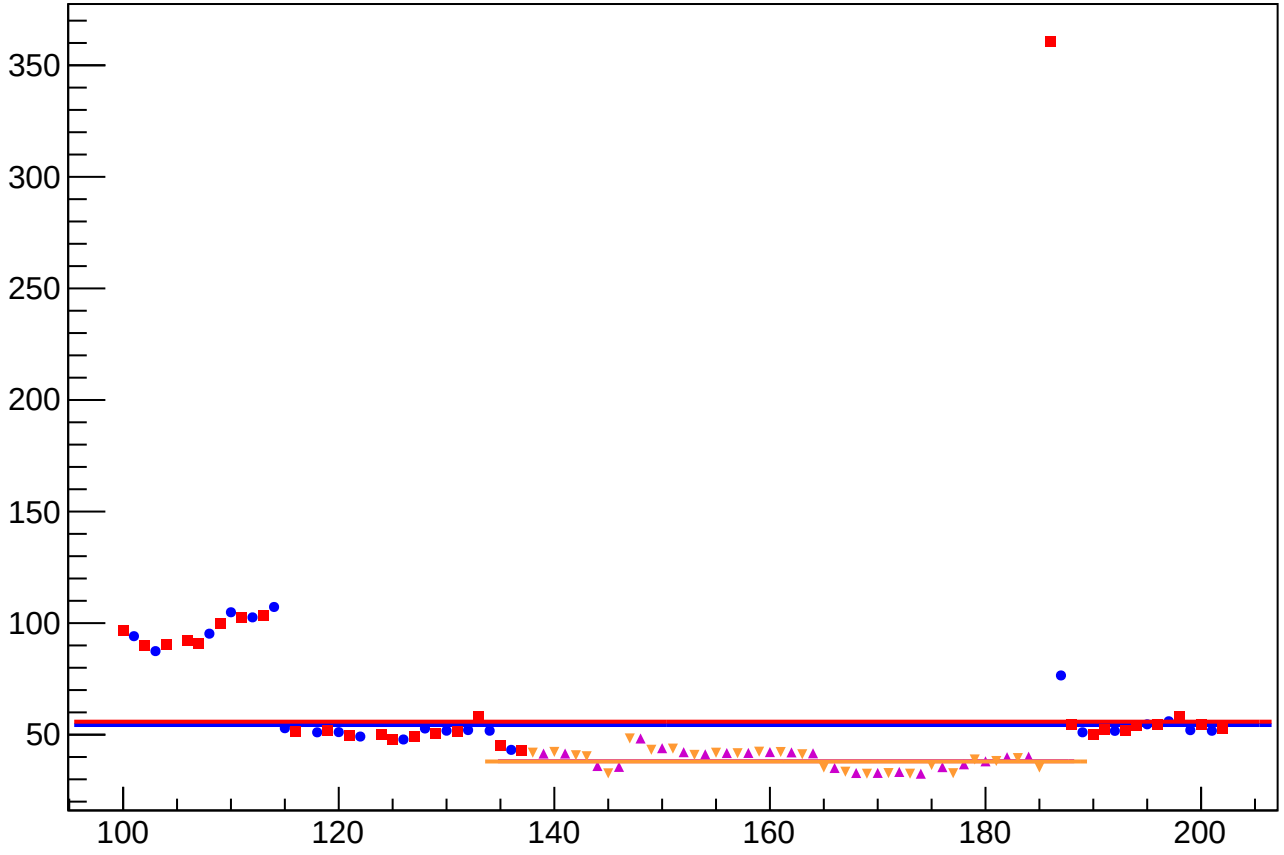
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 17.485+/-7.632 χ^2/NDF: 84.7/47

All: 7.035+/-5.429 χ^2/NDF: 152.5/99

- sign -3.670+/-7.725 χ^2/NDF: 64.0/51

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.337+/-0.011 χ^2/NDF: 1205329.3/22

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

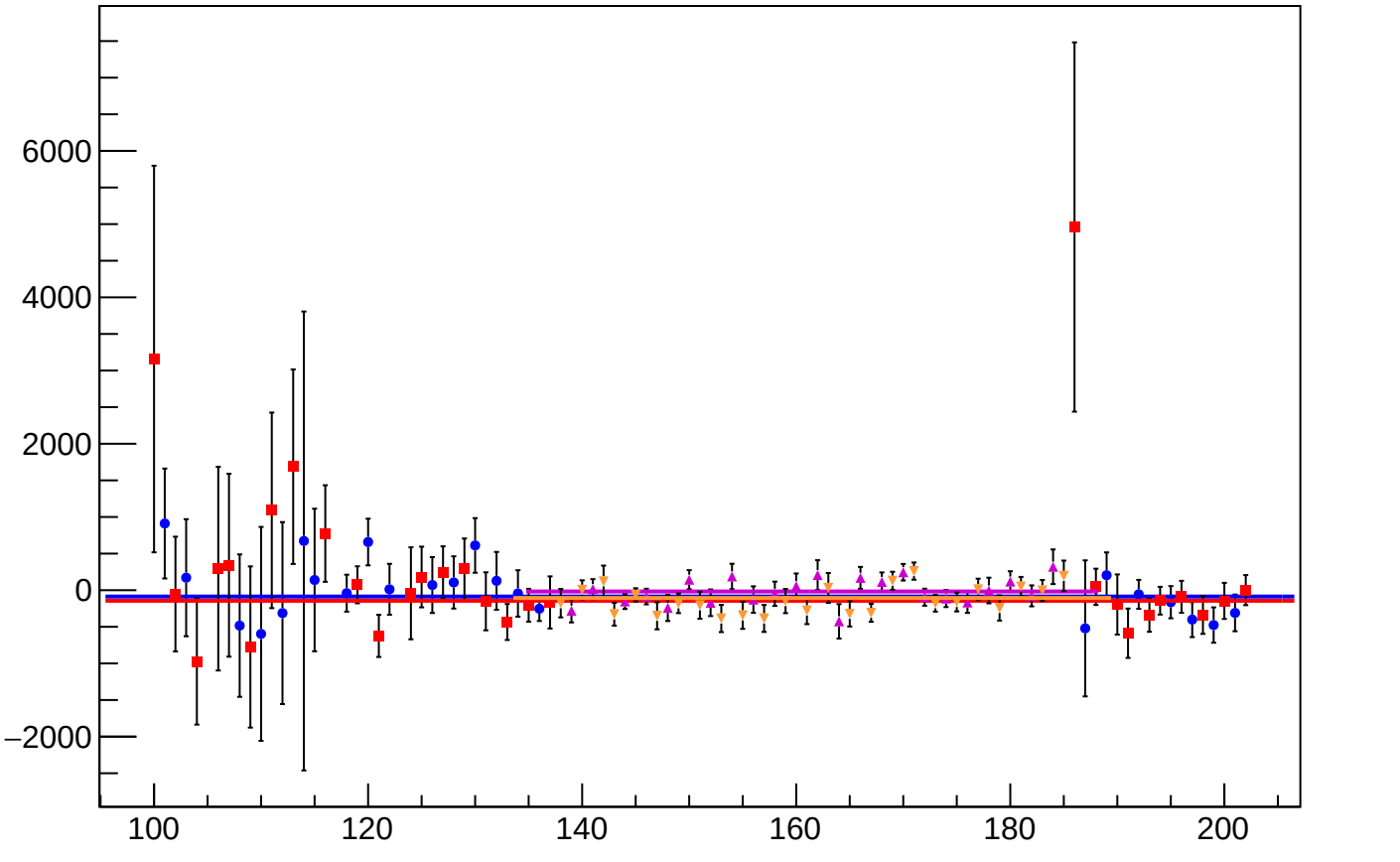
Right Out: 55.831+/-0.011 χ^2/NDF: 1899872.1/28

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.751+/-0.005 χ^2/NDF: 3344460.2/47

All: 42.228+/-0.004 χ^2/NDF: 7703043.7/99

- sign 42.717+/-0.005 χ^2/NDF: 4342777.4/51



Right In: -86.775+/-67.045 χ^2/NDF: 19.5/22

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -144.110+/-61.665 χ^2/NDF: 23.9/28

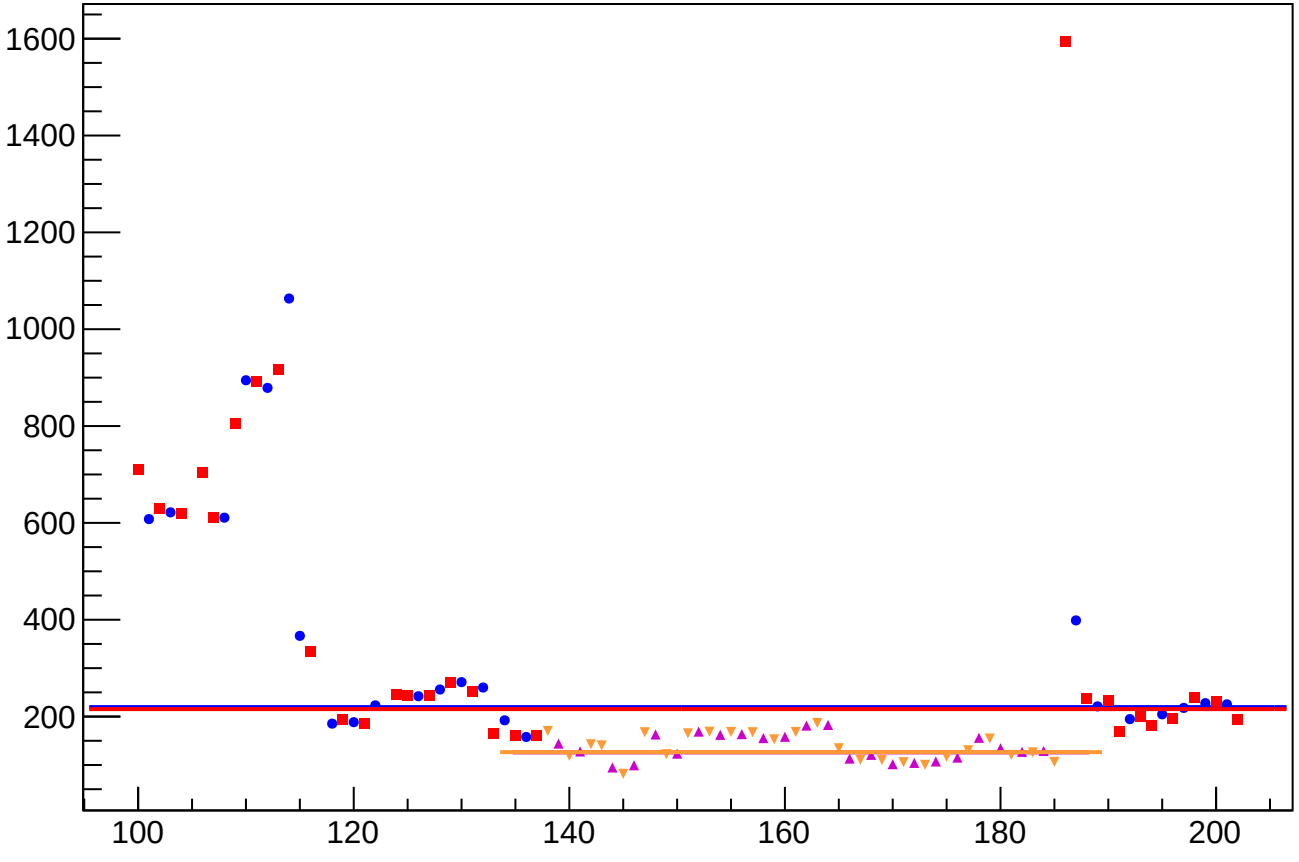
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -103.294+/-27.050 χ^2/NDF: 57.2/47

All: -72.710+/-19.149 χ^2/NDF: 115.3/99

\- sign -41.987+/-27.111 χ^2/NDF: 55.6/51

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 219.533+/-0.047 χ^2/NDF: 3091006.8/22

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 215.421+/-0.044 χ^2/NDF: 4387588.9/28

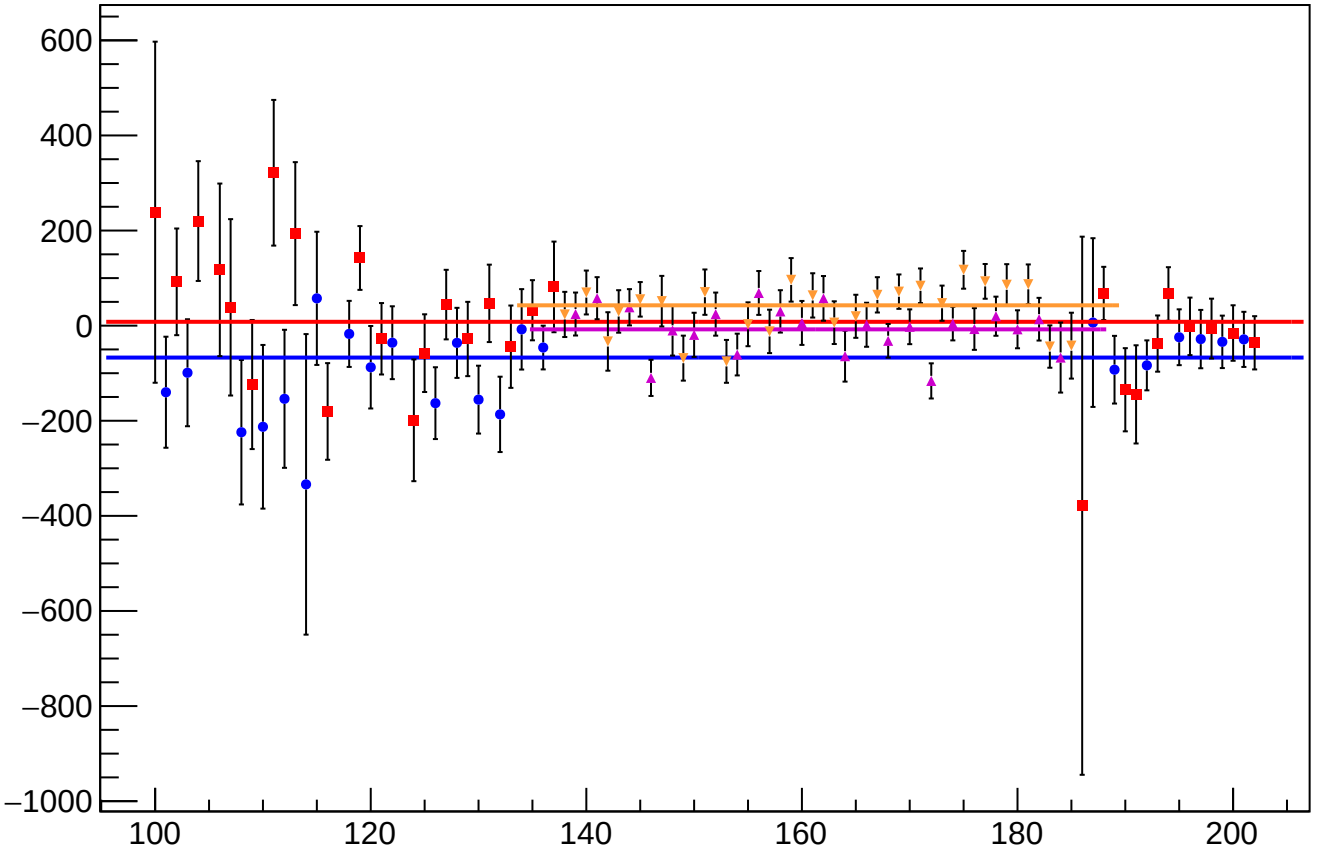
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 141.695+/-0.019 χ^2/NDF: 8069055.7/47

All: 142.494+/-0.014 χ^2/NDF: 17262516.4/99

- sign 143.296+/-0.019 χ^2/NDF: 9189968.1/51

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -67.110+/-15.911 χ^2/NDF: 13.3/22

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 8.101+/-15.179 χ^2/NDF: 32.6/28

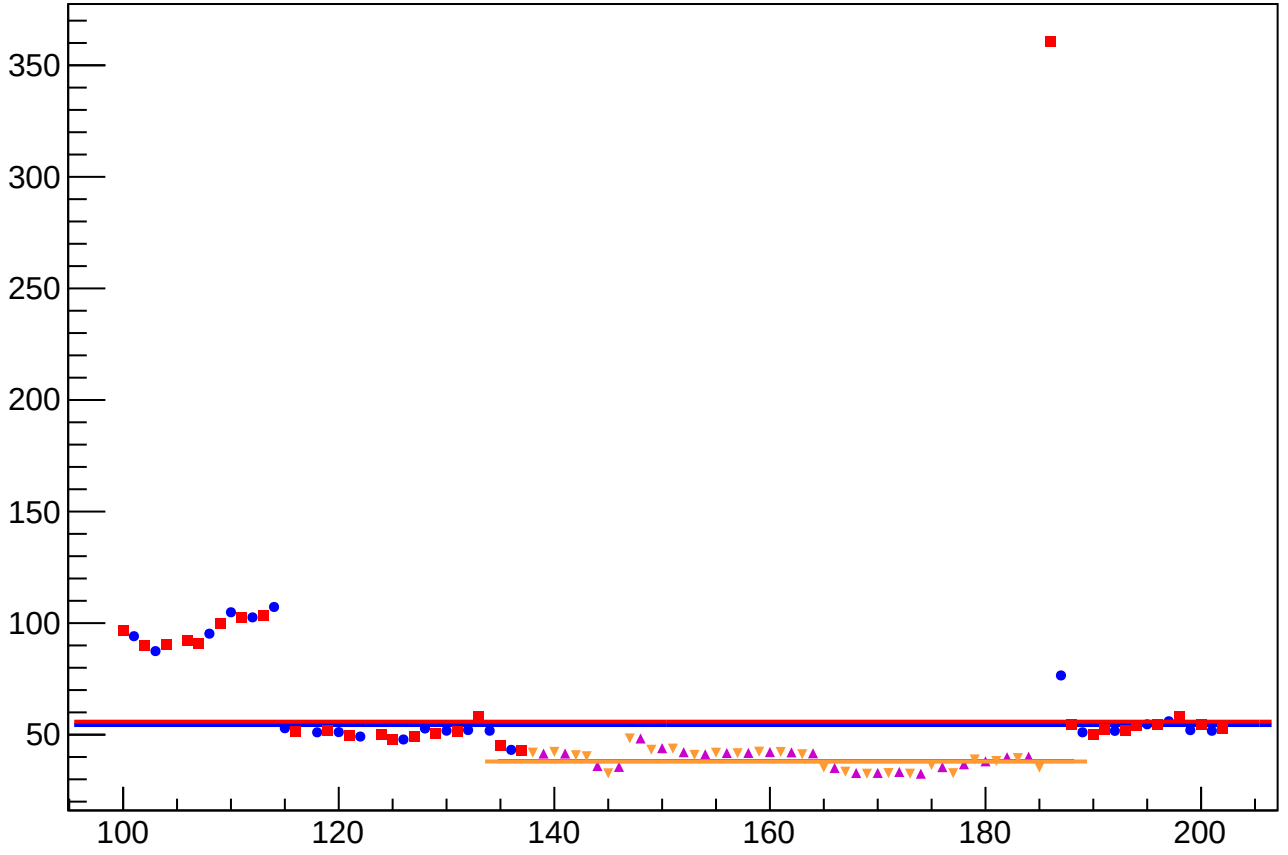
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 17.485+/-7.632 χ^2/NDF: 84.7/47

All: 7.035+/-5.429 χ^2/NDF: 152.5/99

- sign -3.670+/-7.725 χ^2/NDF: 64.0/51

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.337+/-0.011 χ^2/NDF: 1205329.3/22

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

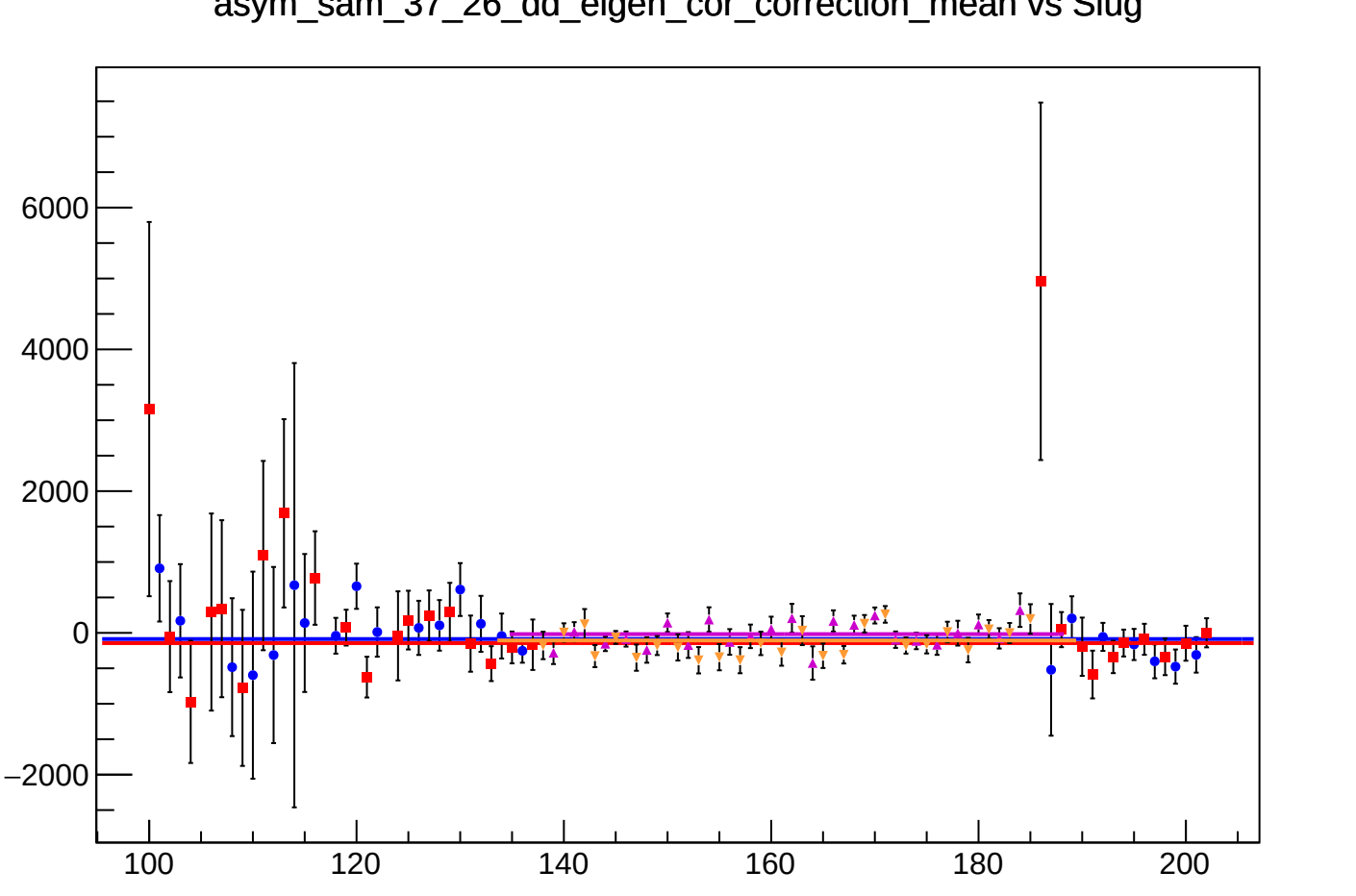
Right Out: 55.831+/-0.011 χ^2/NDF: 1899872.1/28

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.751+/-0.005 χ^2/NDF: 3344460.2/47

All: 42.228+/-0.004 χ^2/NDF: 7703043.7/99

- sign 42.717+/-0.005 χ^2/NDF: 4342777.4/51



Right In: -86.775+/-67.045 χ^2/NDF: 19.5/22

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

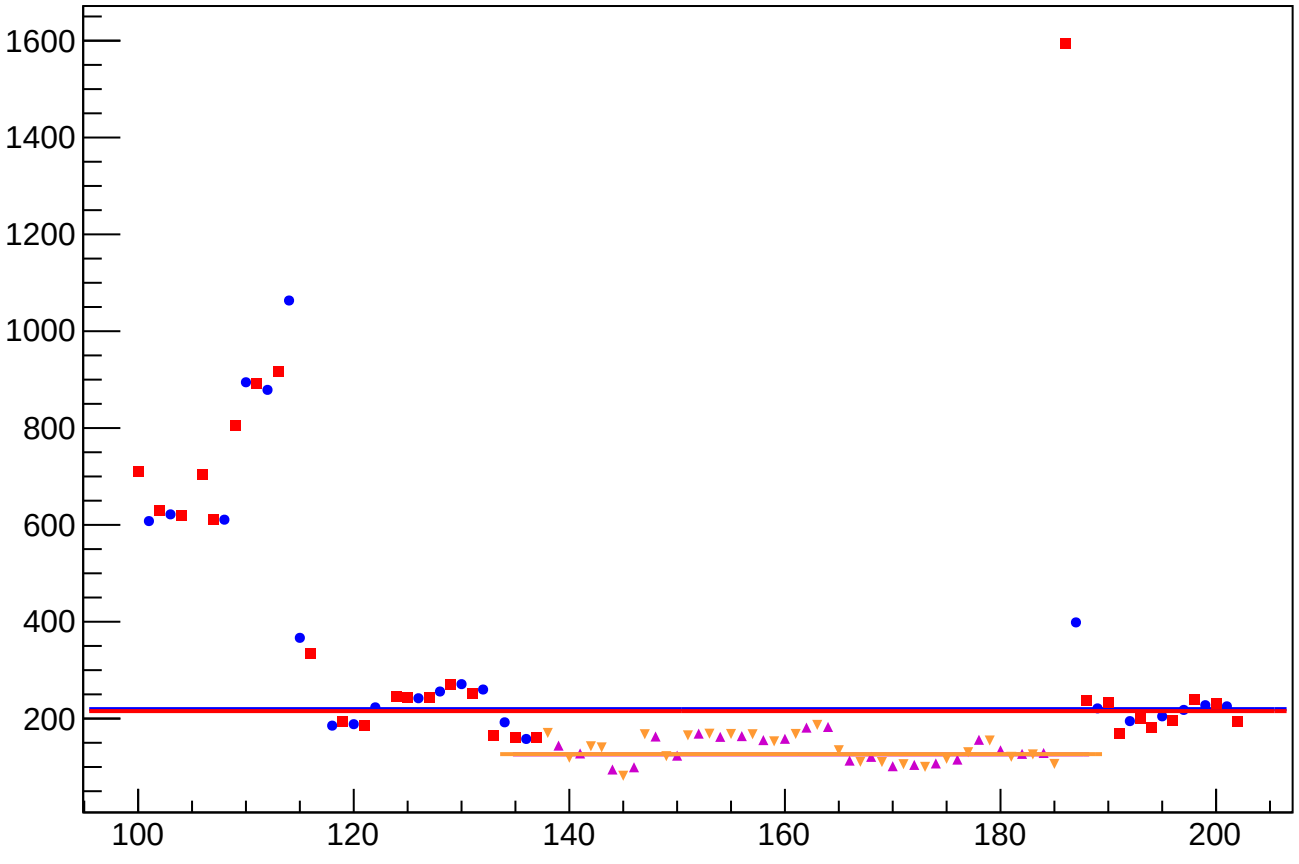
Right Out: -144.110+/-61.665 χ^2/NDF: 23.9/28

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -103.294+/-27.050 χ^2/NDF: 57.2/47

All: -72.710+/-19.149 χ^2/NDF: 115.3/99

\- sign -41.987+/-27.111 χ^2/NDF: 55.6/51



Right In: 219.533+/-0.047 χ^2/NDF: 3091006.8/22

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 215.421+/-0.044 χ^2/NDF: 4387588.9/28

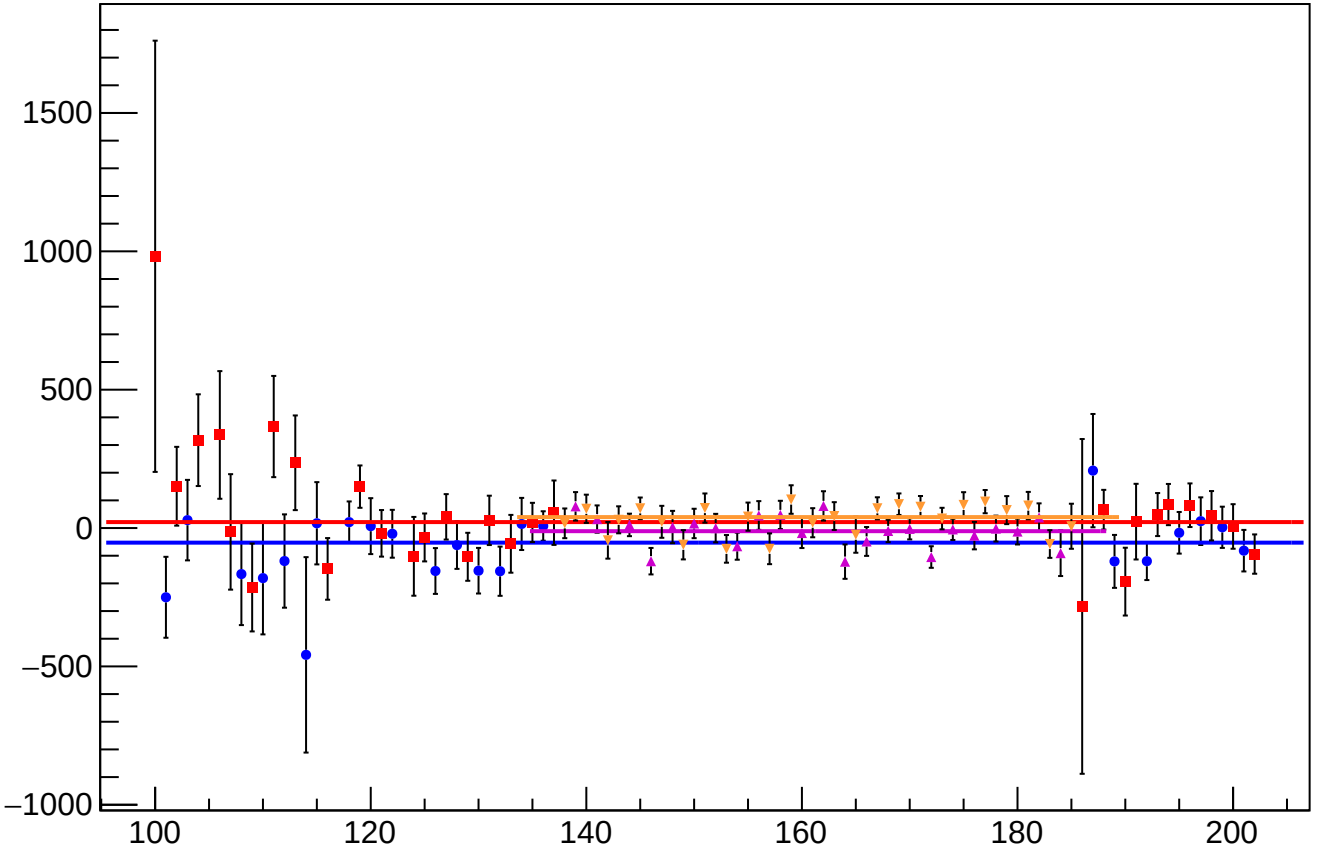
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 141.695+/-0.019 χ^2/NDF: 8069055.7/47

All: 142.494+/-0.014 χ^2/NDF: 17262516.4/99

- sign 143.296+/-0.019 χ^2/NDF: 9189968.1/51

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -52.764+/-19.300 χ^2/NDF: 17.1/22

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 21.541+/-18.627 χ^2/NDF: 32.0/28

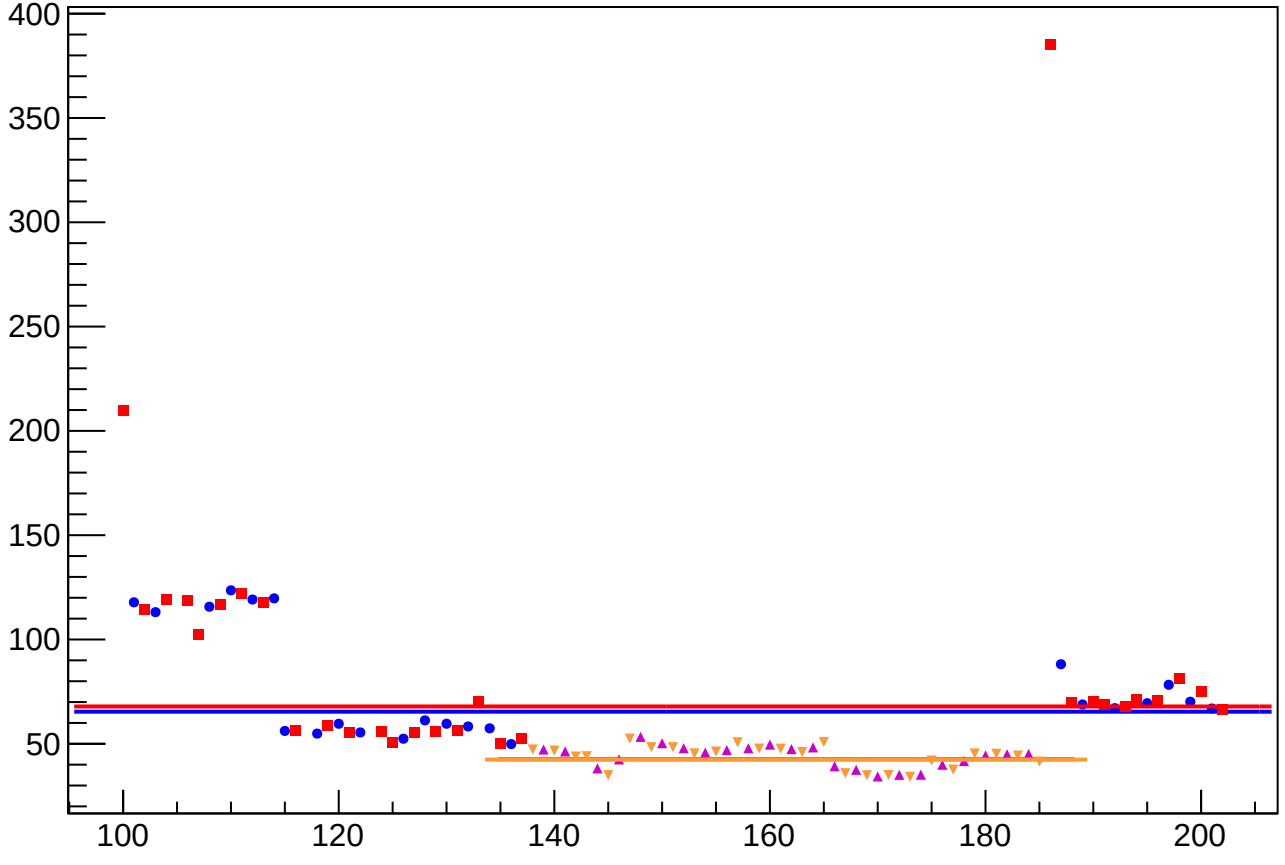
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 20.807+/-8.699 χ^2/NDF: 64.9/47

All: 8.699+/-6.208 χ^2/NDF: 131.2/99

- sign -3.869+/-8.863 χ^2/NDF: 62.3/51

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 65.398+/-0.014 χ^2/NDF: 1465013.1/22

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 67.895+/-0.013 χ^2/NDF: 2245460.1/28

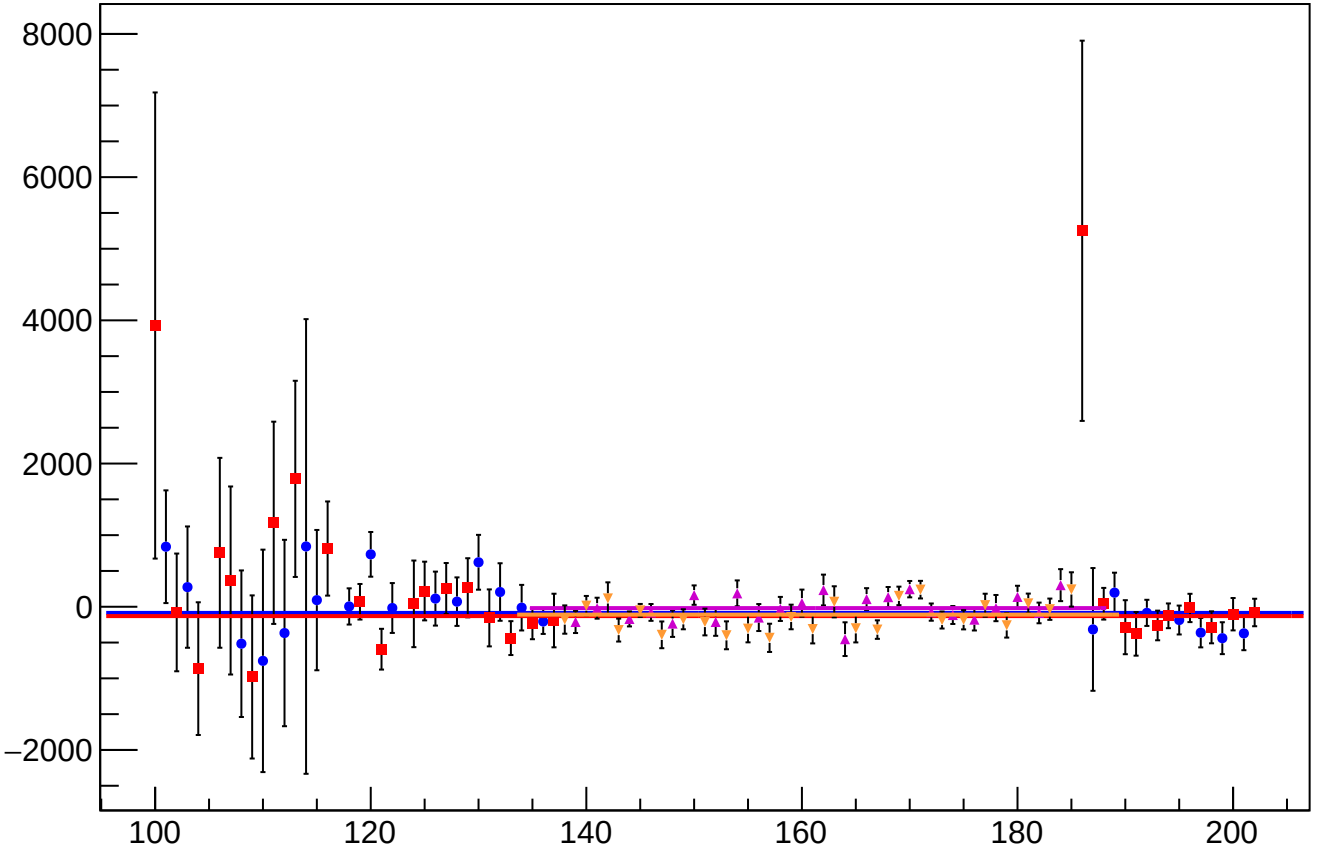
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 47.093+/-0.006 χ^2/NDF: 4421546.8/47

All: 47.690+/-0.004 χ^2/NDF: 10133848.8/99

- sign 48.310+/-0.006 χ^2/NDF: 5693082.9/51

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -85.956+/-64.180 χ^2/NDF: 21.2/22

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -130.588+/-57.812 χ^2/NDF: 23.2/28

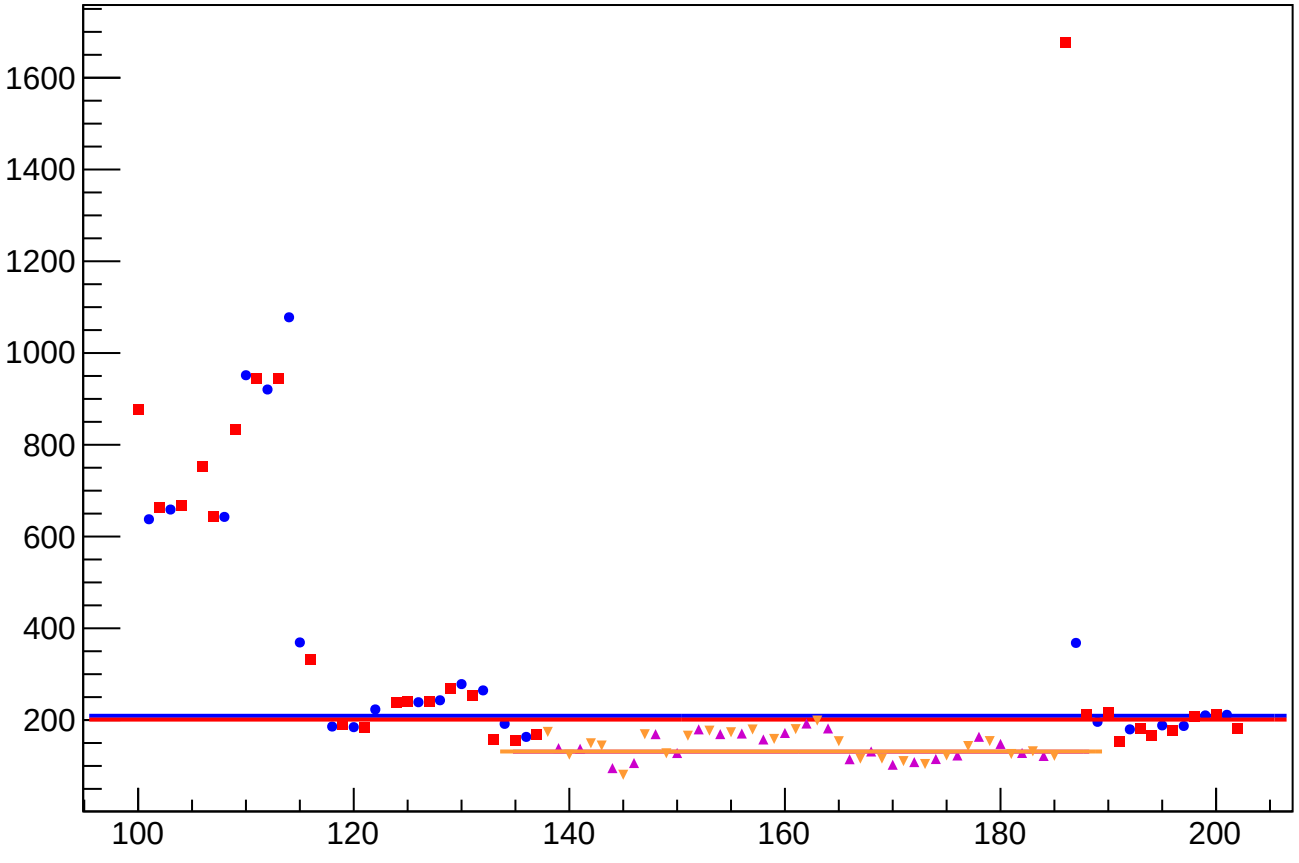
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -105.403+/-27.738 χ^2/NDF: 57.6/47

All: -74.794+/-19.581 χ^2/NDF: 113.3/99

- sign -44.391+/-27.645 χ^2/NDF: 53.3/51

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 209.305+/-0.045 χ^2/NDF: 3256360.6/22

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 201.015+/-0.041 χ^2/NDF: 4782283.7/28

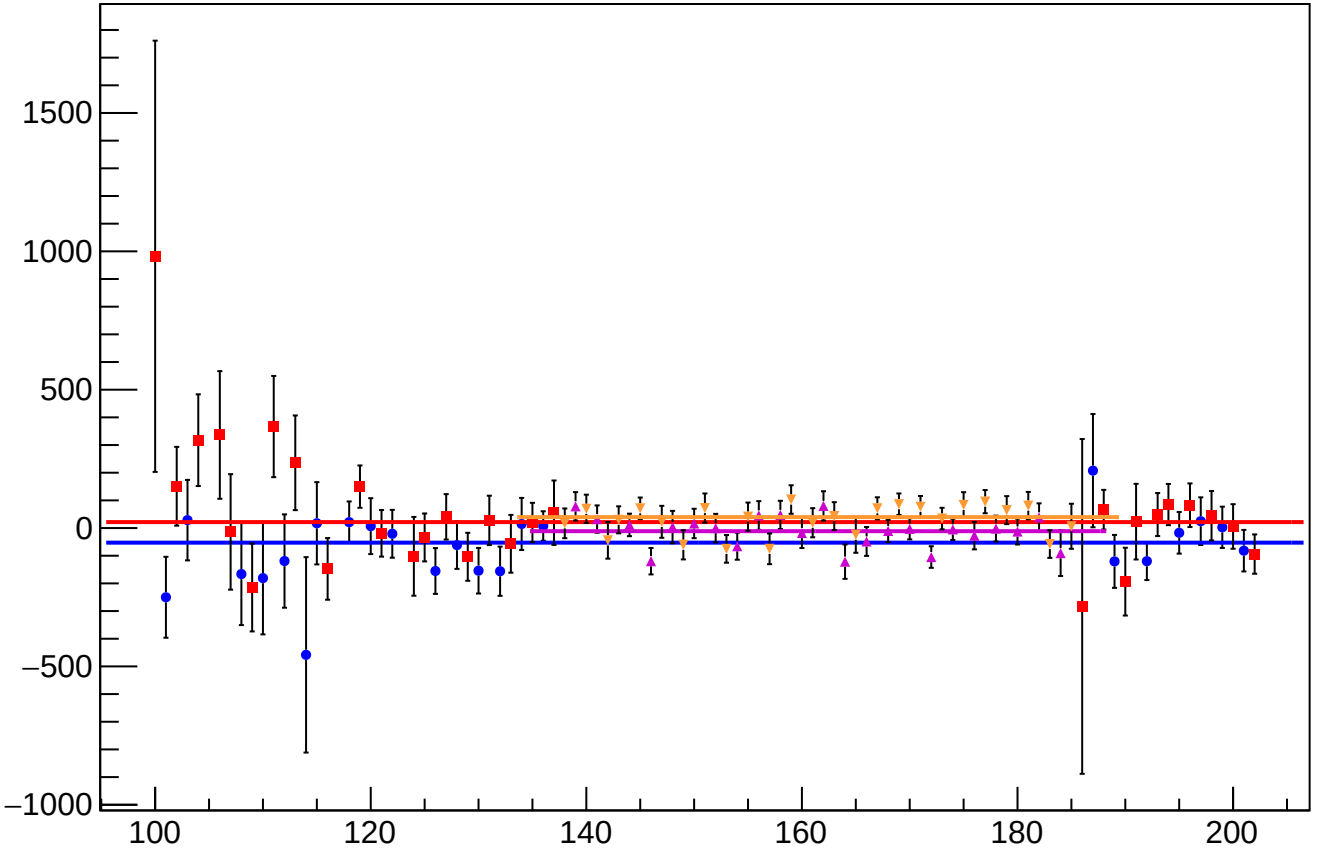
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 146.045+/-0.020 χ^2/NDF: 7548666.0/47

All: 146.557+/-0.014 χ^2/NDF: 16058051.1/99

- sign 147.067+/-0.020 χ^2/NDF: 8508024.2/51

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -52.765+/-19.300 χ^2/NDF: 17.1/22

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 21.542+/-18.627 χ^2/NDF: 32.0/28

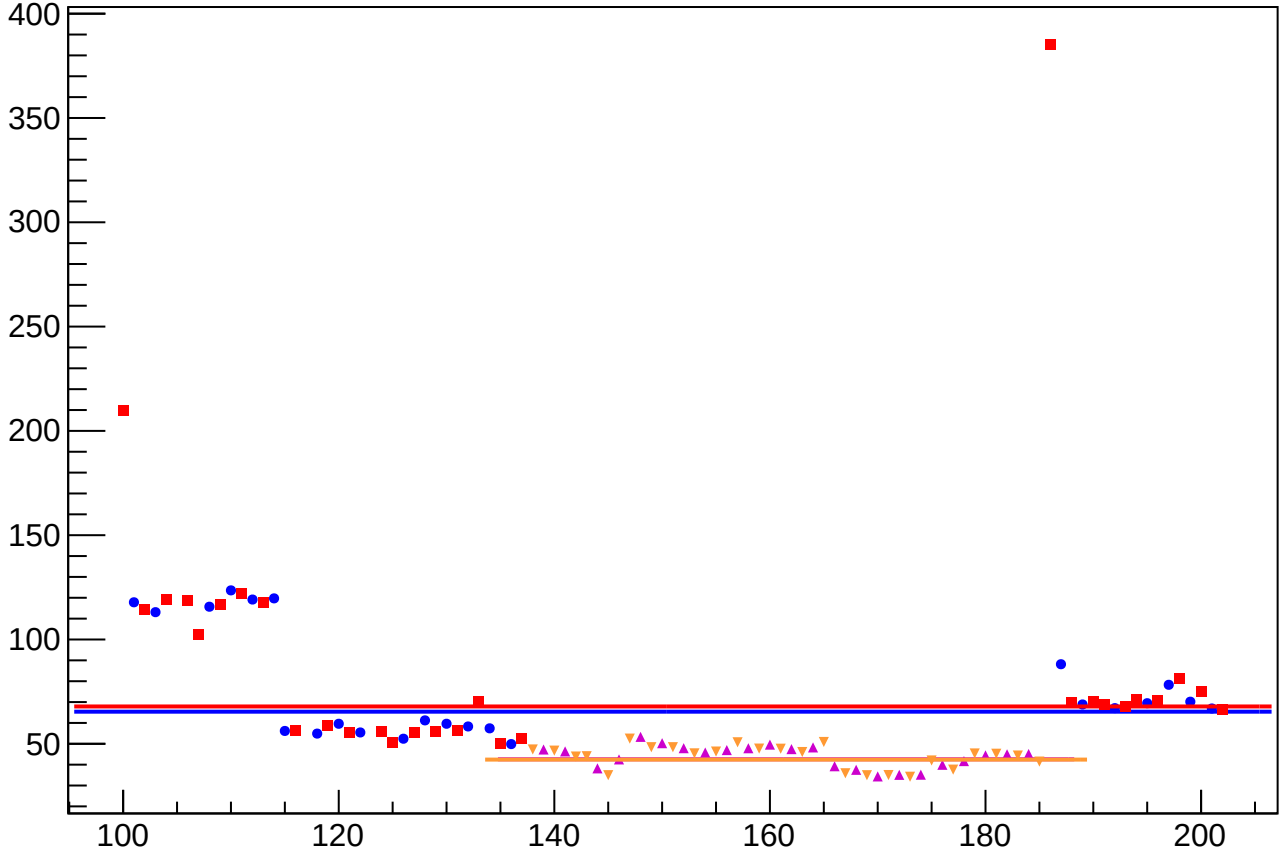
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 20.807+/-8.699 χ^2/NDF: 64.9/47

All: 8.700+/-6.208 χ^2/NDF: 131.2/99

- sign -3.869+/-8.863 χ^2/NDF: 62.3/51

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 65.398+/-0.014 χ^2/NDF: 1465018.5/22

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

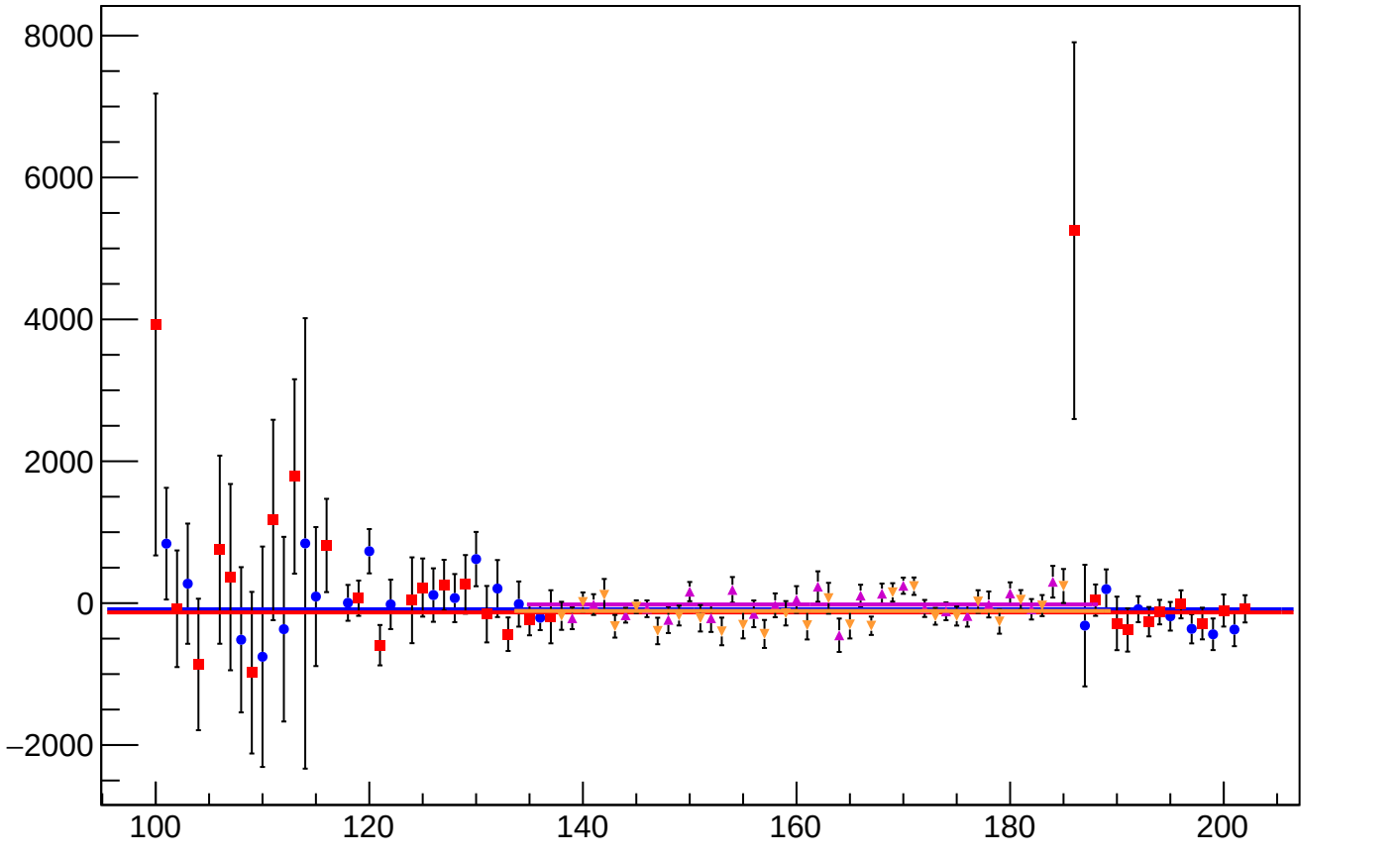
Right Out: 67.895+/-0.013 χ^2/NDF: 2245460.4/28

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 47.093+/-0.006 χ^2/NDF: 4421557.6/47

All: 47.690+/-0.004 χ^2/NDF: 10133868.8/99

- sign 48.311+/-0.006 χ^2/NDF: 5693089.0/51



Right In: -85.955+/-64.180 χ^2/NDF: 21.2/22

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

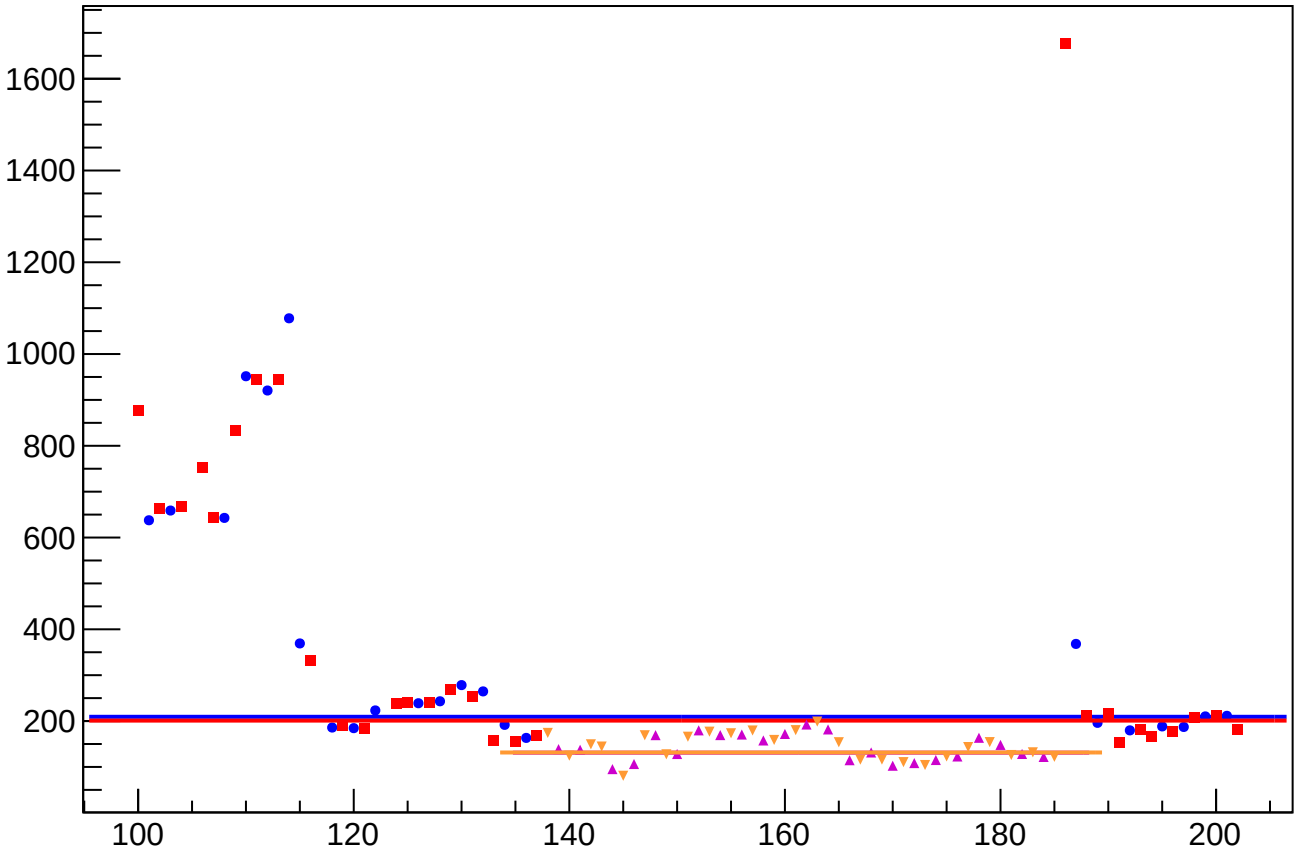
Right Out: -130.587+/-57.812 χ^2/NDF: 23.2/28

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -105.402+/-27.738 χ^2/NDF: 57.6/47

All: -74.794+/-19.581 χ^2/NDF: 113.3/99

- sign -44.391+/-27.645 χ^2/NDF: 53.3/51



Right In: 209.304+/-0.045 χ^2/NDF: 3256355.9/22

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 201.015+/-0.041 χ^2/NDF: 4782285.9/28

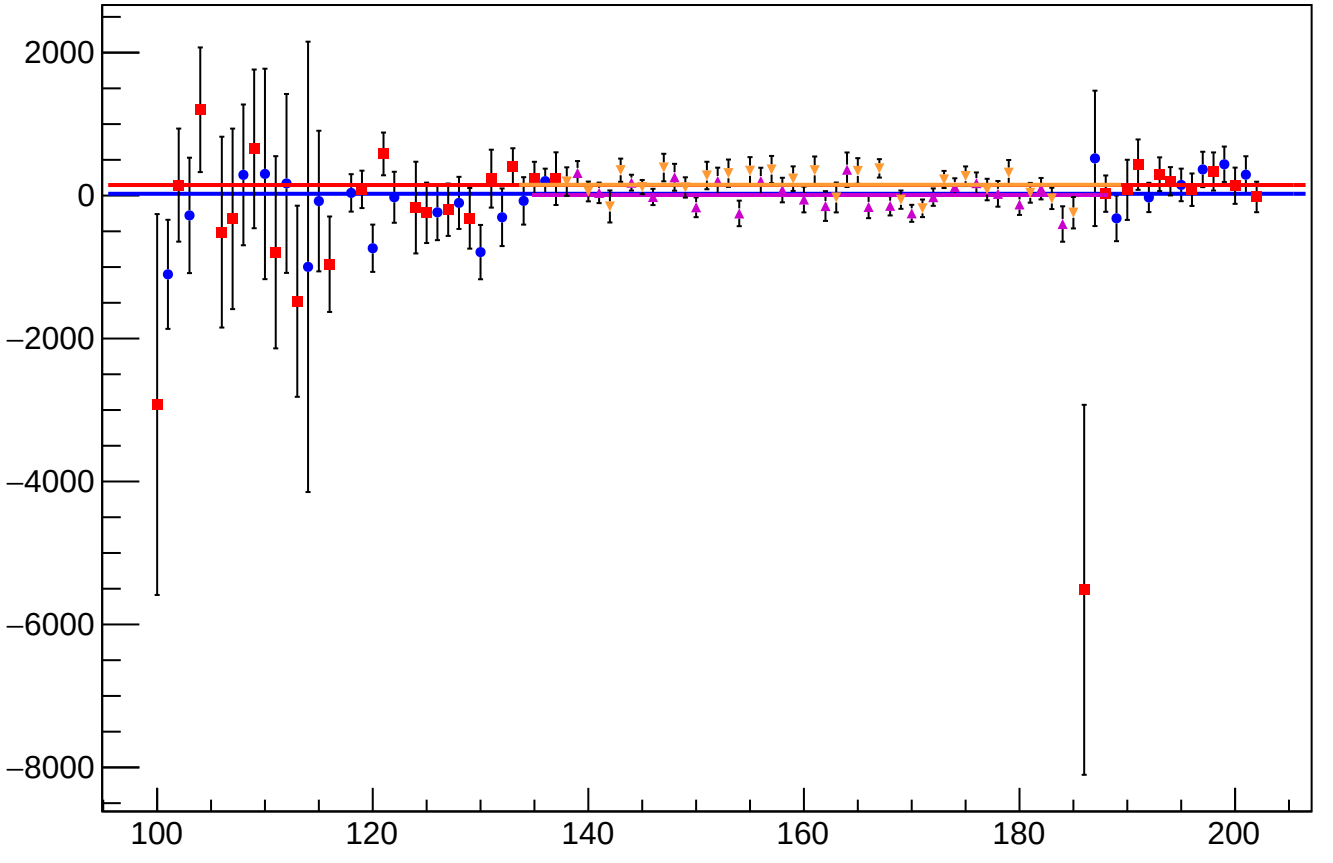
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 146.045+/-0.020 χ^2/NDF: 7548610.1/47

All: 146.558+/-0.014 χ^2/NDF: 16057957.2/99

- sign 147.067+/-0.020 χ^2/NDF: 8507986.3/51

asym_sam_37_26_dd_mean vs Slug



Right In: 25.094+/-69.184 χ^2/NDF: 22.4/22

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 147.787+/-63.836 χ^2/NDF: 22.0/28

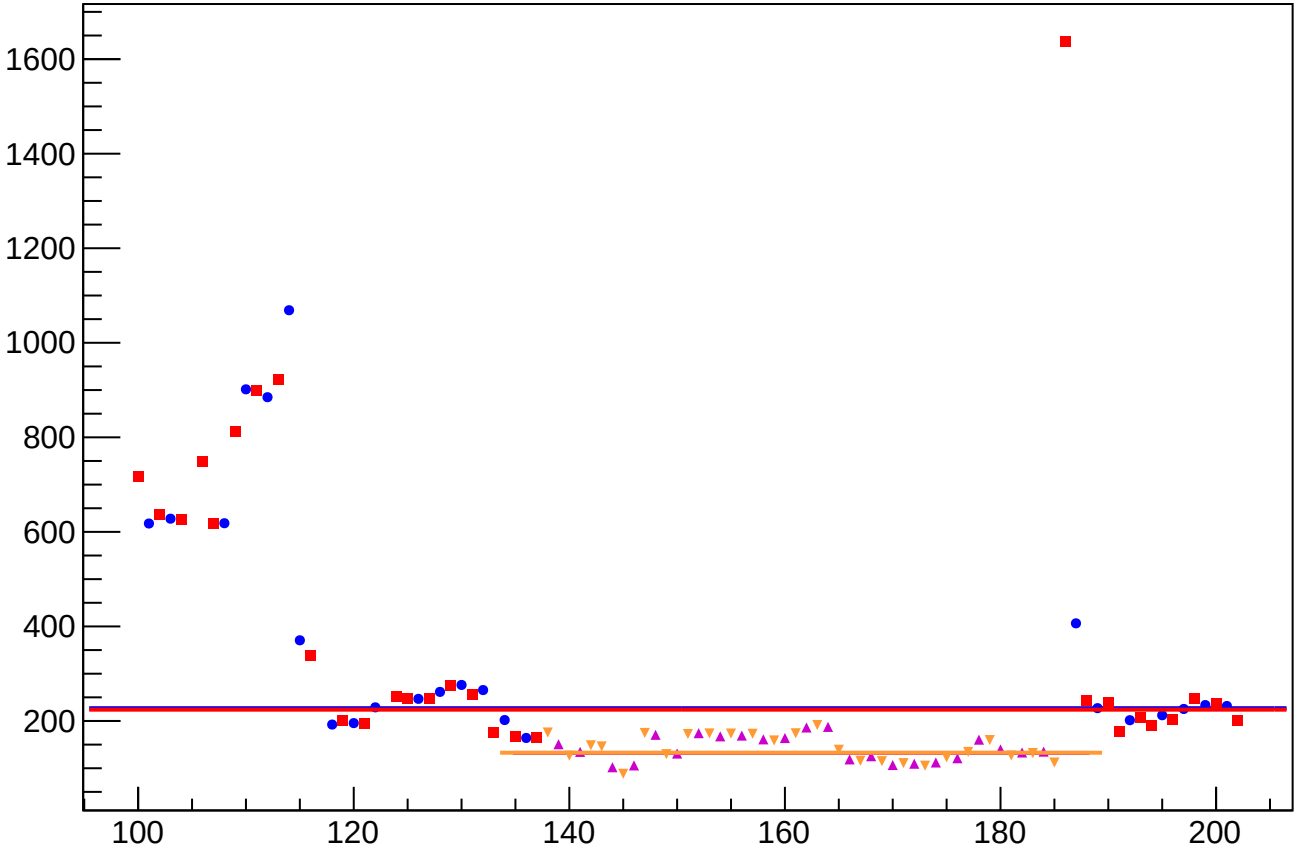
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

\+ sign 130.092+/-28.253 χ^2/NDF: 58.2/47

All: 82.931+/-20.007 χ^2/NDF: 119.2/99

\- sign 35.494+/-28.335 χ^2/NDF: 55.3/51

asym_sam_37_26_dd_rms vs Slug



Right In: 227.058+/-0.049 χ^2/NDF: 3004267.6/22

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

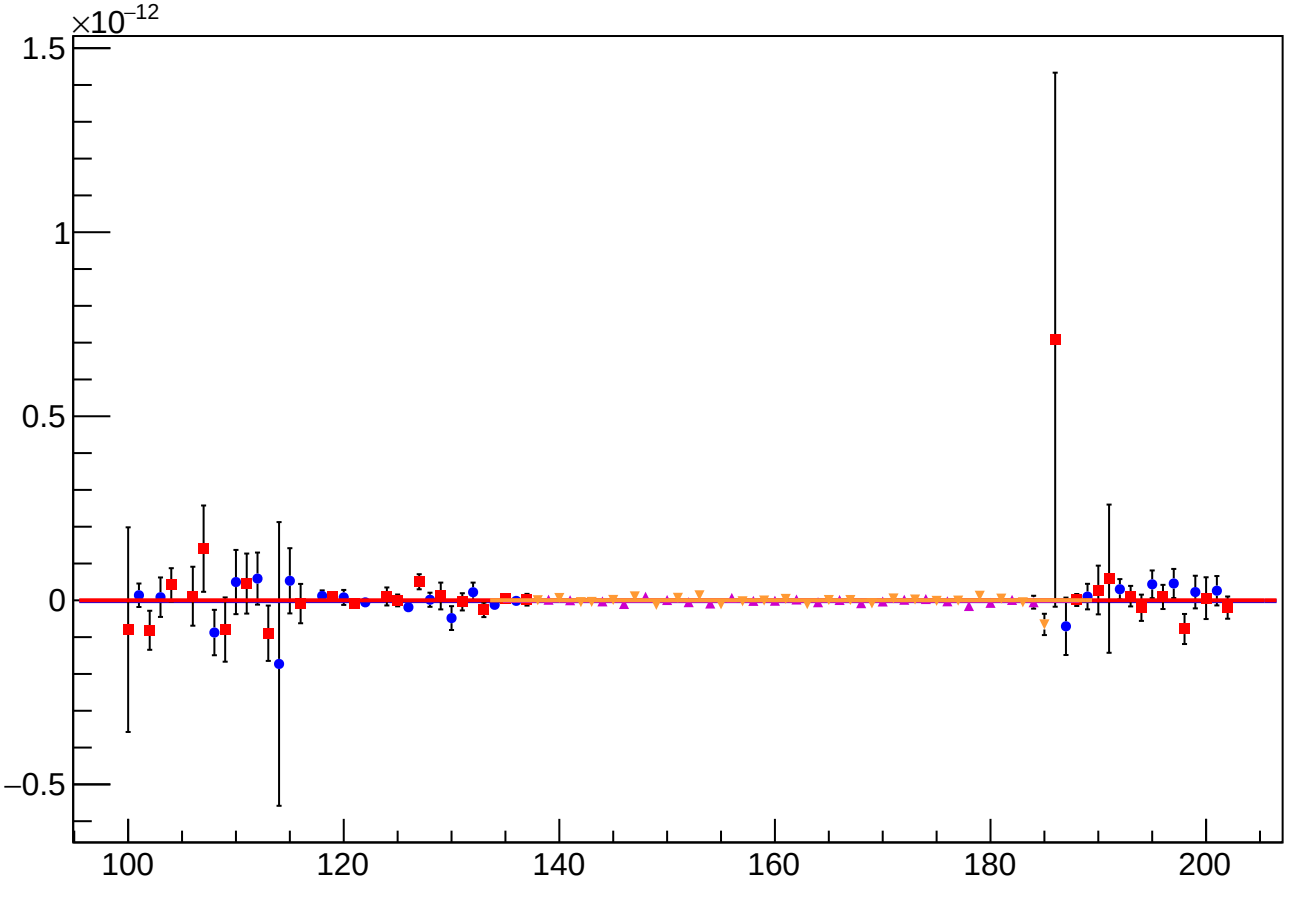
Right Out: 223.918+/-0.045 χ^2/NDF: 4325605.3/28

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 148.583+/-0.020 χ^2/NDF: 7684913.4/47

All: 149.481+/-0.014 χ^2/NDF: 16597319.8/99

- sign 150.385+/-0.020 χ^2/NDF: 8908350.3/51



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

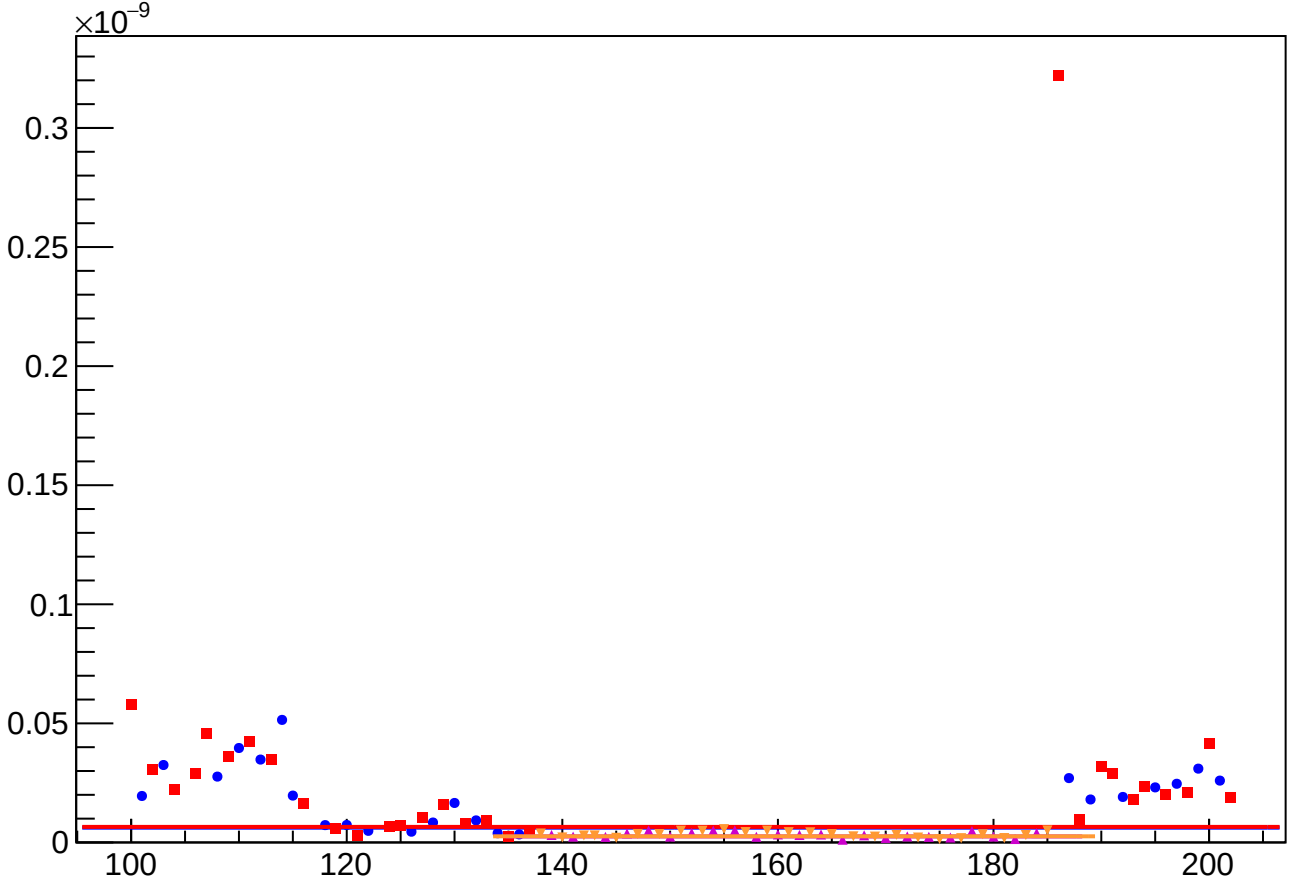
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/28

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.3/47

All: -0.000+/-0.000 χ^2/NDF: 90.1/99

- sign -0.000+/-0.000 χ^2/NDF: 39.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 5550310.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6757489.5/28

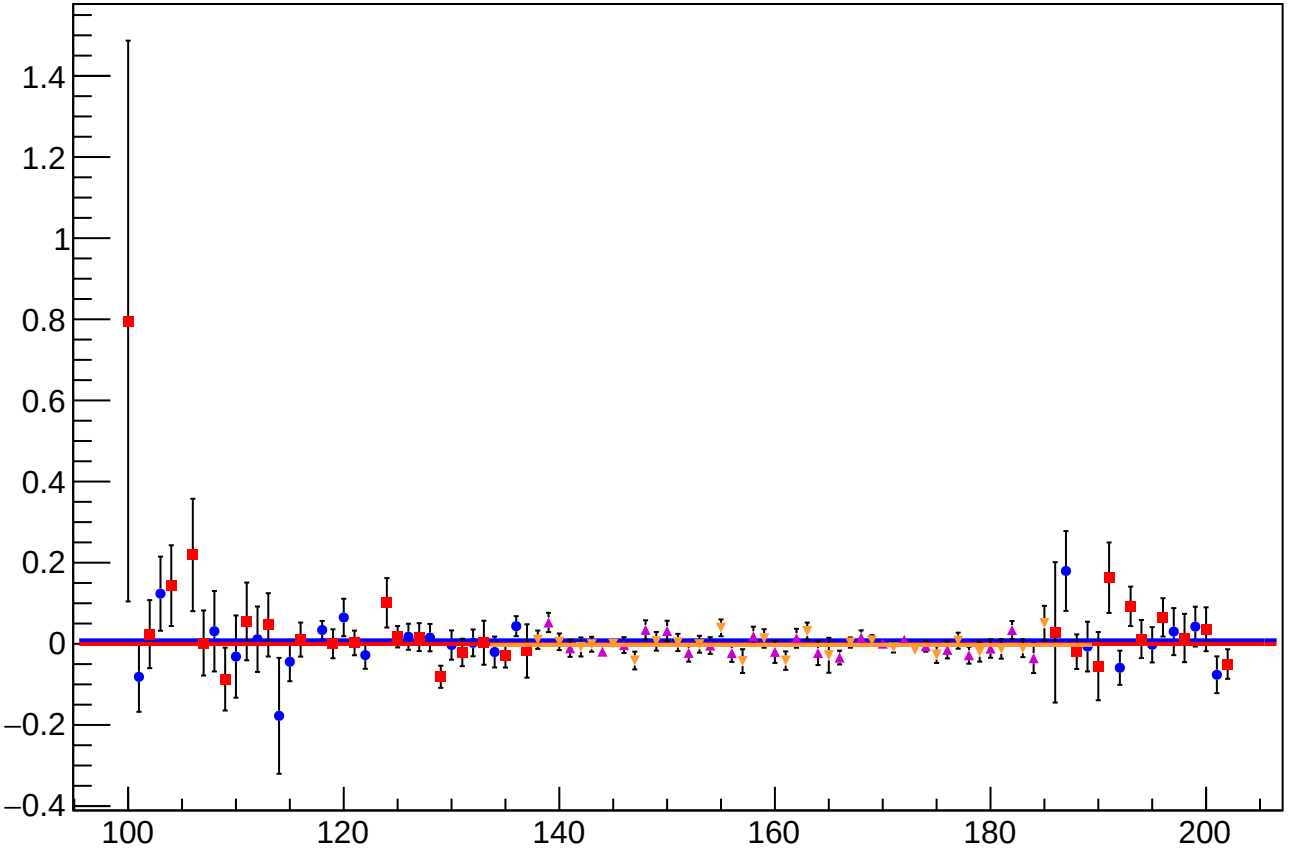
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9663207.1/47

All: 0.000+/-0.000 χ^2/NDF: 20117268.4/99

- sign 0.000+/-0.000 χ^2/NDF: 10453267.9/51

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.009 χ^2/NDF: 22.4/22

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

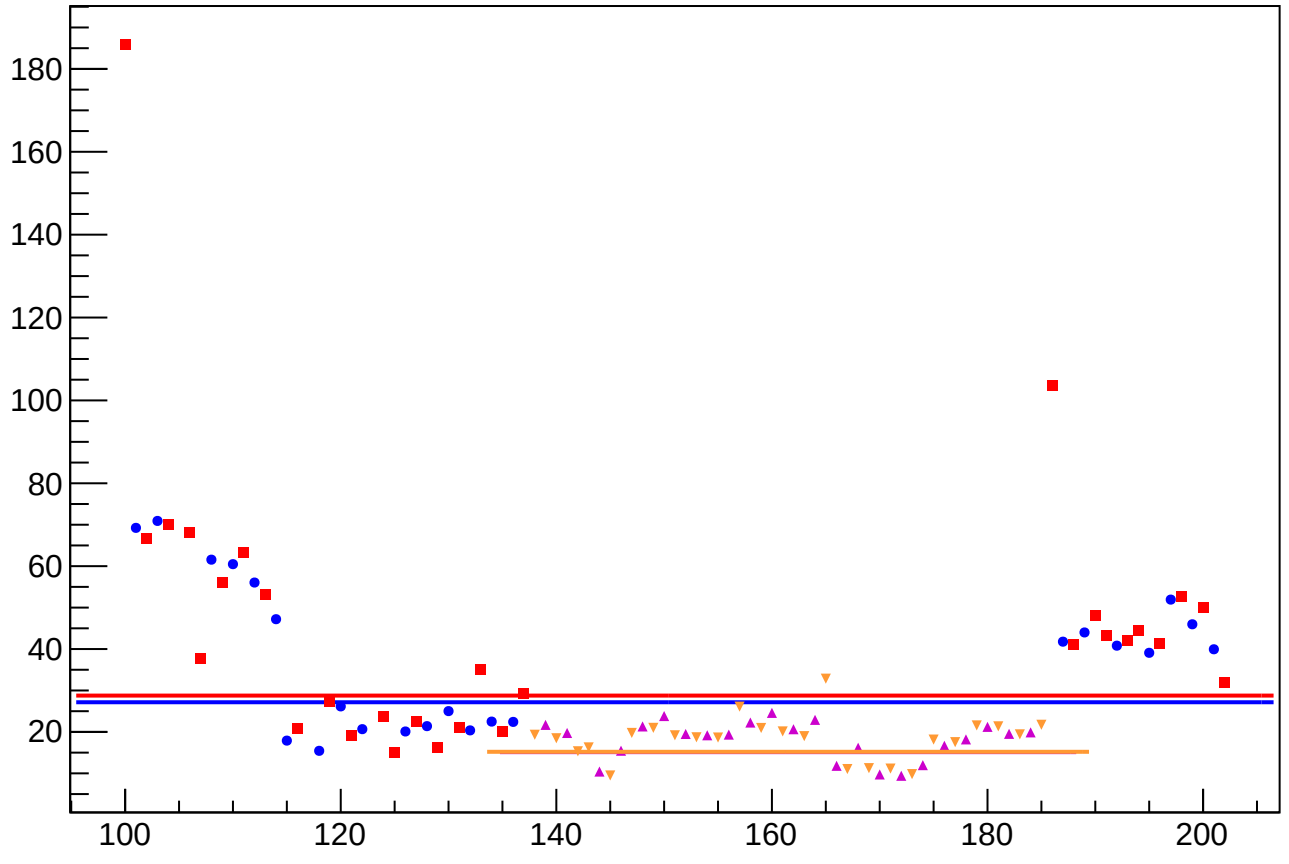
Right Out: -0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.5/47

All: -0.002+/-0.002 χ^2/NDF: 107.5/99

- sign -0.002+/-0.003 χ^2/NDF: 60.9/51



Right In: 27.158+/-0.006 χ^2/NDF: 4112834.0/22

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

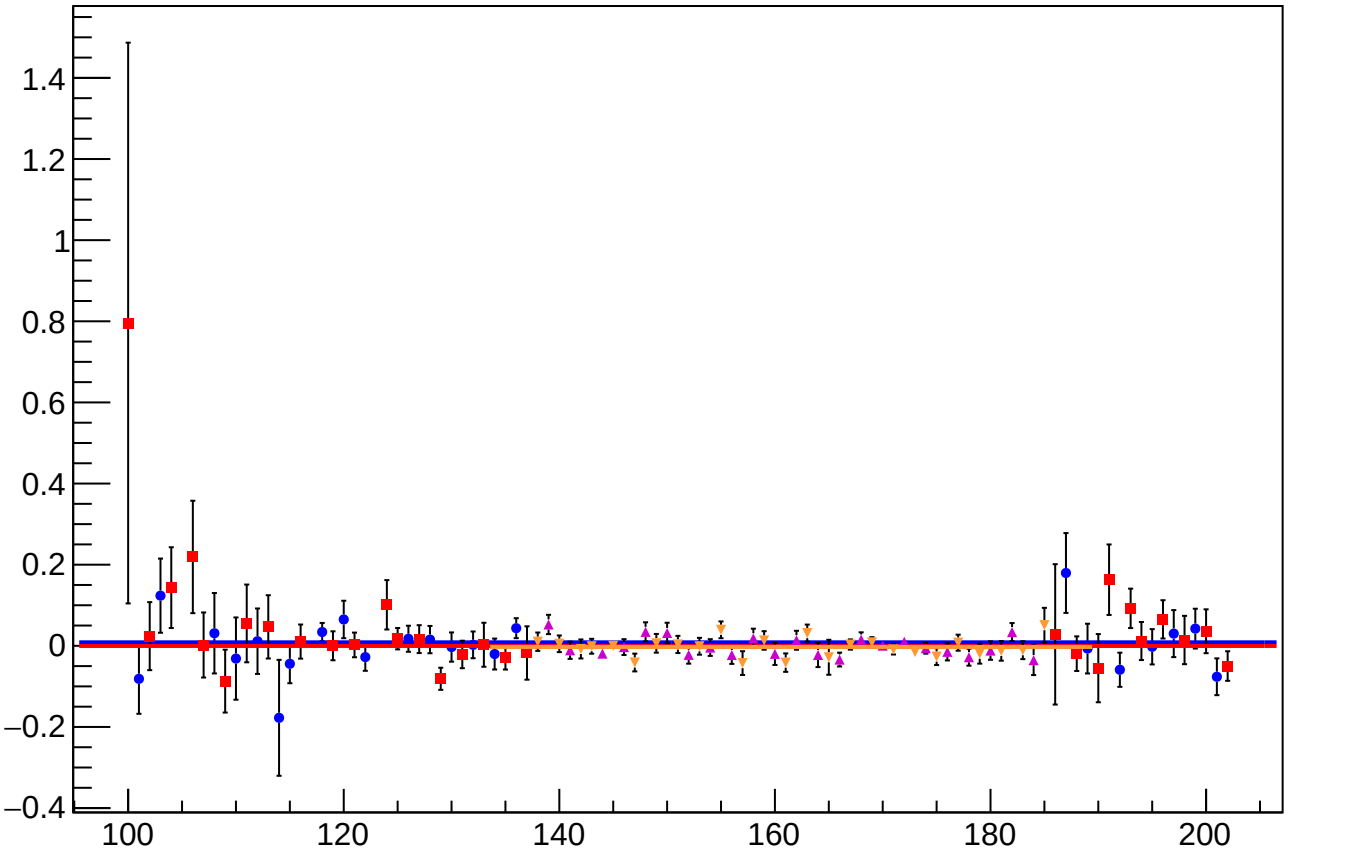
Right Out: 28.767+/-0.006 χ^2/NDF: 5244539.8/28

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 17.009+/-0.002 χ^2/NDF: 10703679.7/47

All: 17.180+/-0.002 χ^2/NDF: 23543408.9/99

\- sign 17.358+/-0.002 χ^2/NDF: 12829528.0/51



Right In: 0.009+/-0.009 χ^2/NDF: 22.4/22

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

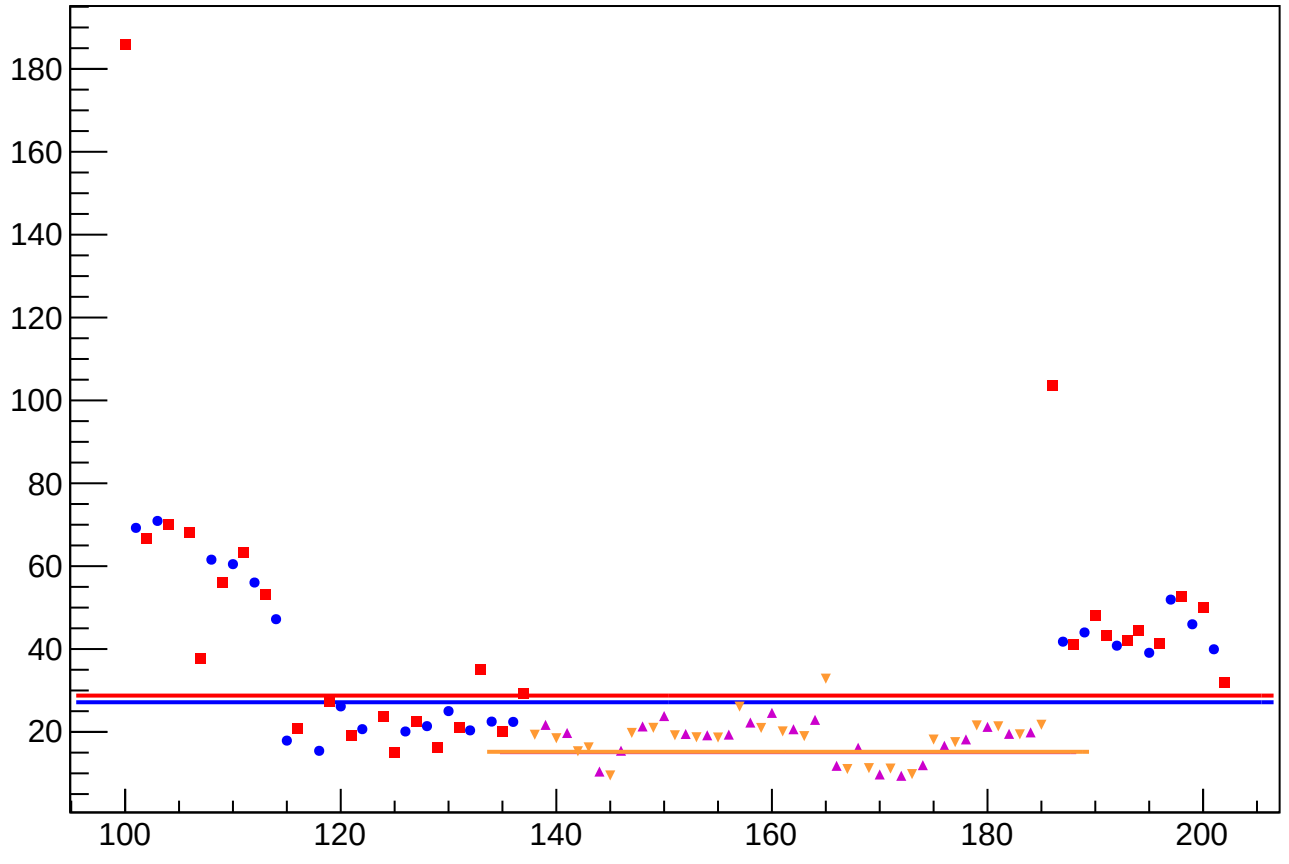
Right Out: -0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.5/47

All: -0.002+/-0.002 χ^2/NDF: 107.5/99

- sign -0.002+/-0.003 χ^2/NDF: 60.9/51



Right In: 27.158+/-0.006 χ^2/NDF: 4112834.0/22

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

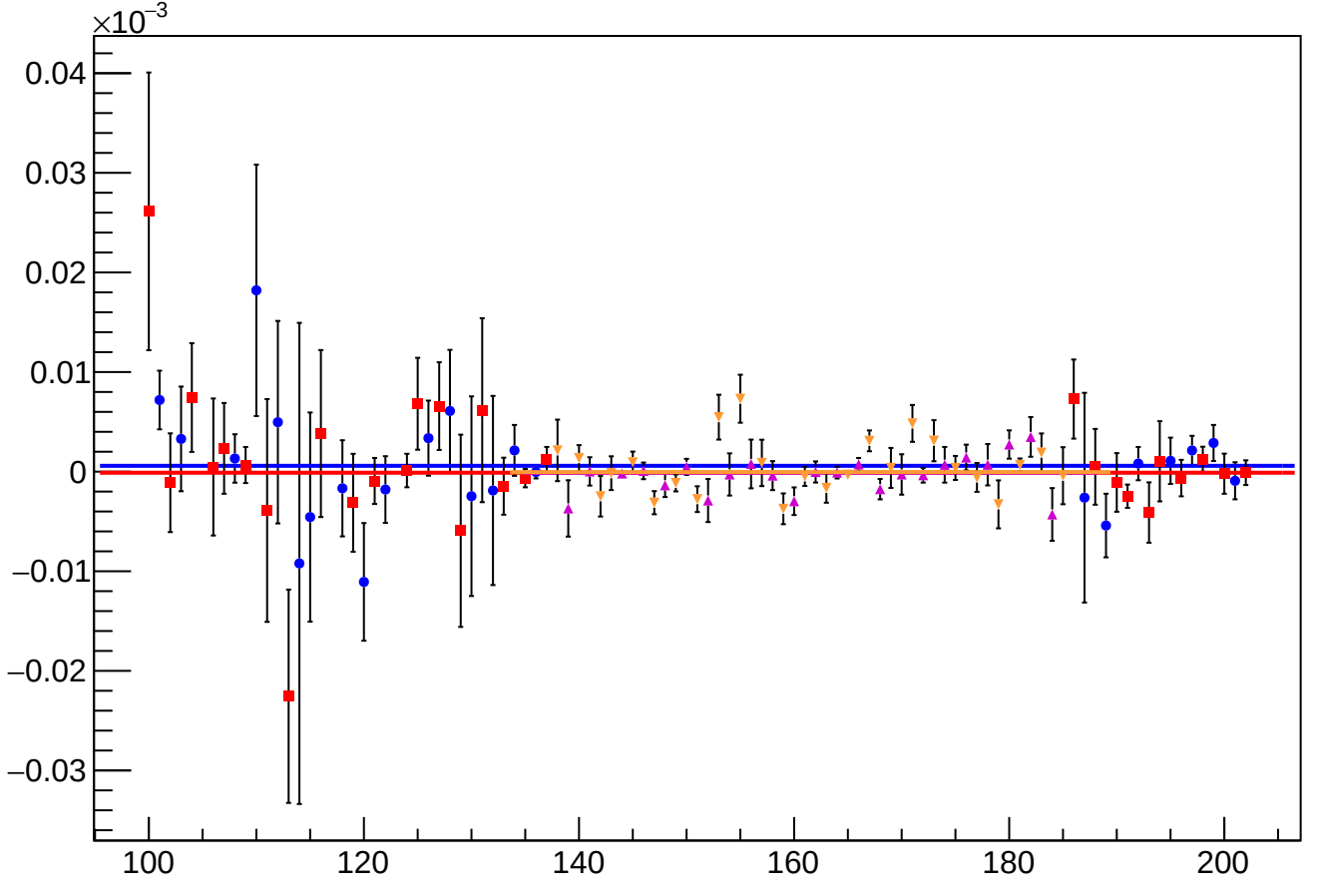
Right Out: 28.767+/-0.006 χ^2/NDF: 5244539.8/28

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.009+/-0.002 χ^2/NDF: 10703679.7/47

All: 17.180+/-0.002 χ^2/NDF: 23543408.9/99

- sign 17.358+/-0.002 χ^2/NDF: 12829528.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

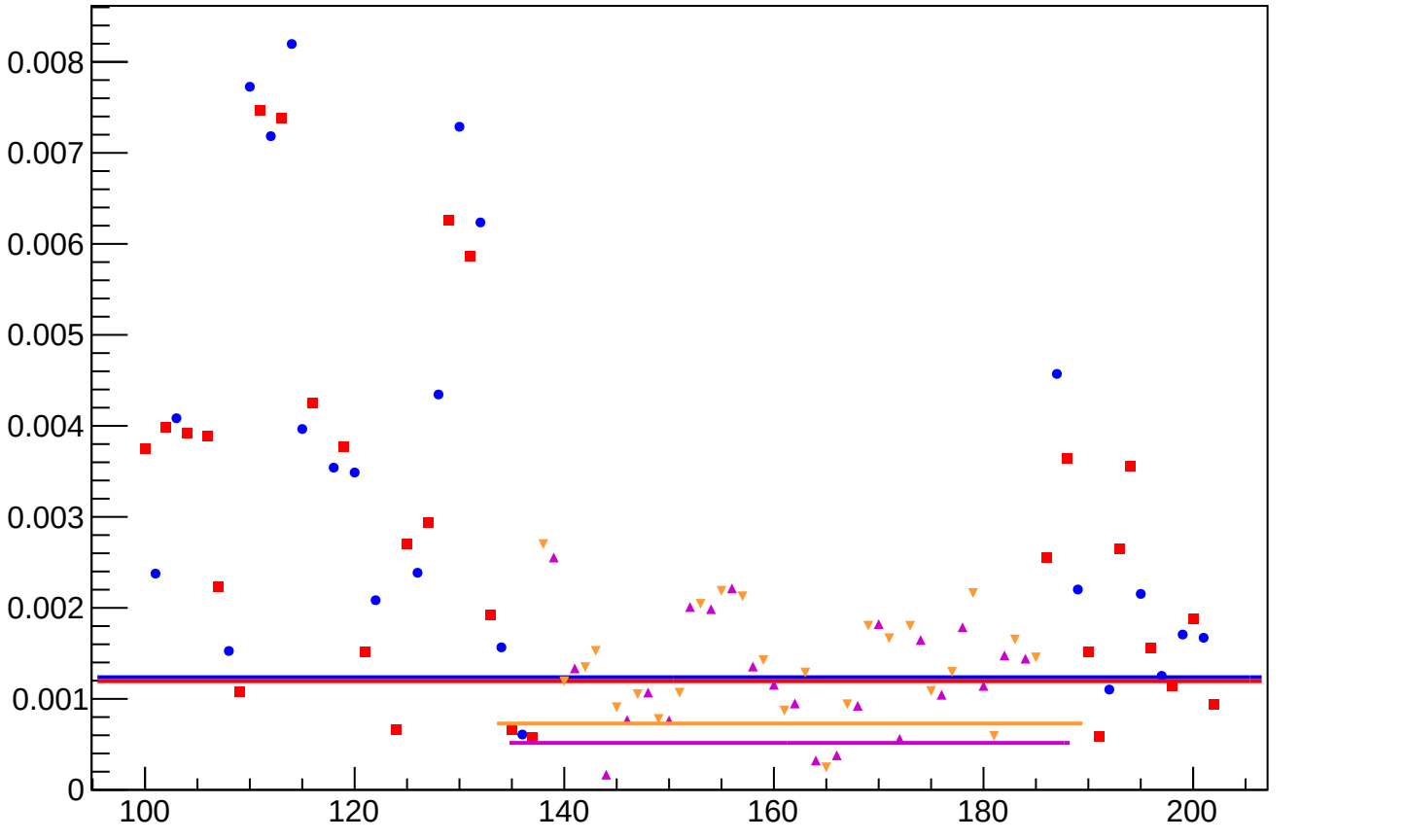
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/28

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.8/47

All: -0.000+/-0.000 χ^2/NDF: 141.8/99

- sign -0.000+/-0.000 χ^2/NDF: 54.4/51



Right In: 0.001+/-0.000 χ^2/NDF: 8165709.3/22

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

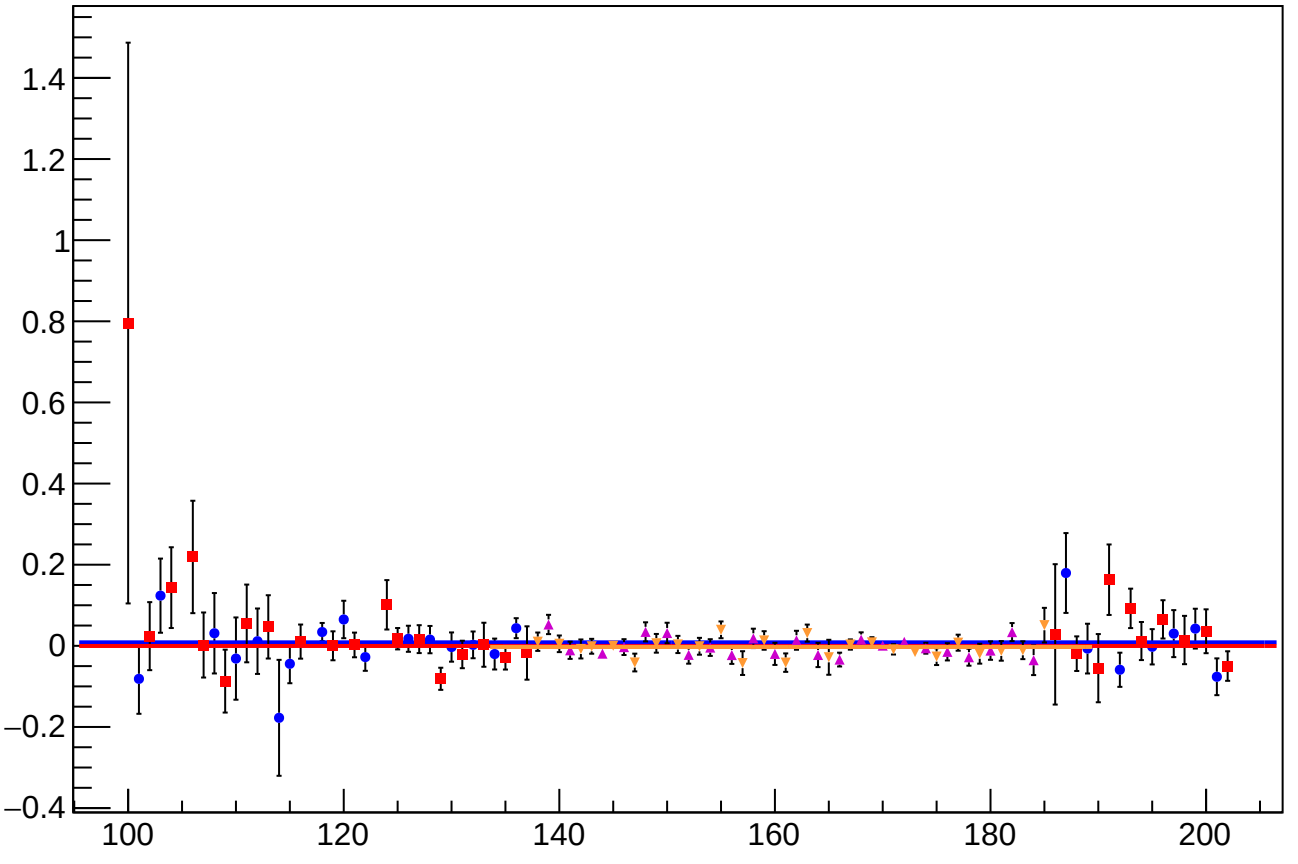
Right Out: 0.001+/-0.000 χ^2/NDF: 10003502.3/28

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 23373962.3/47

All: 0.001+/-0.000 χ^2/NDF: 54357361.2/99

- sign 0.001+/-0.000 χ^2/NDF: 29746570.9/51



Right In: 0.009+/-0.009 χ^2/NDF: 22.4/22

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

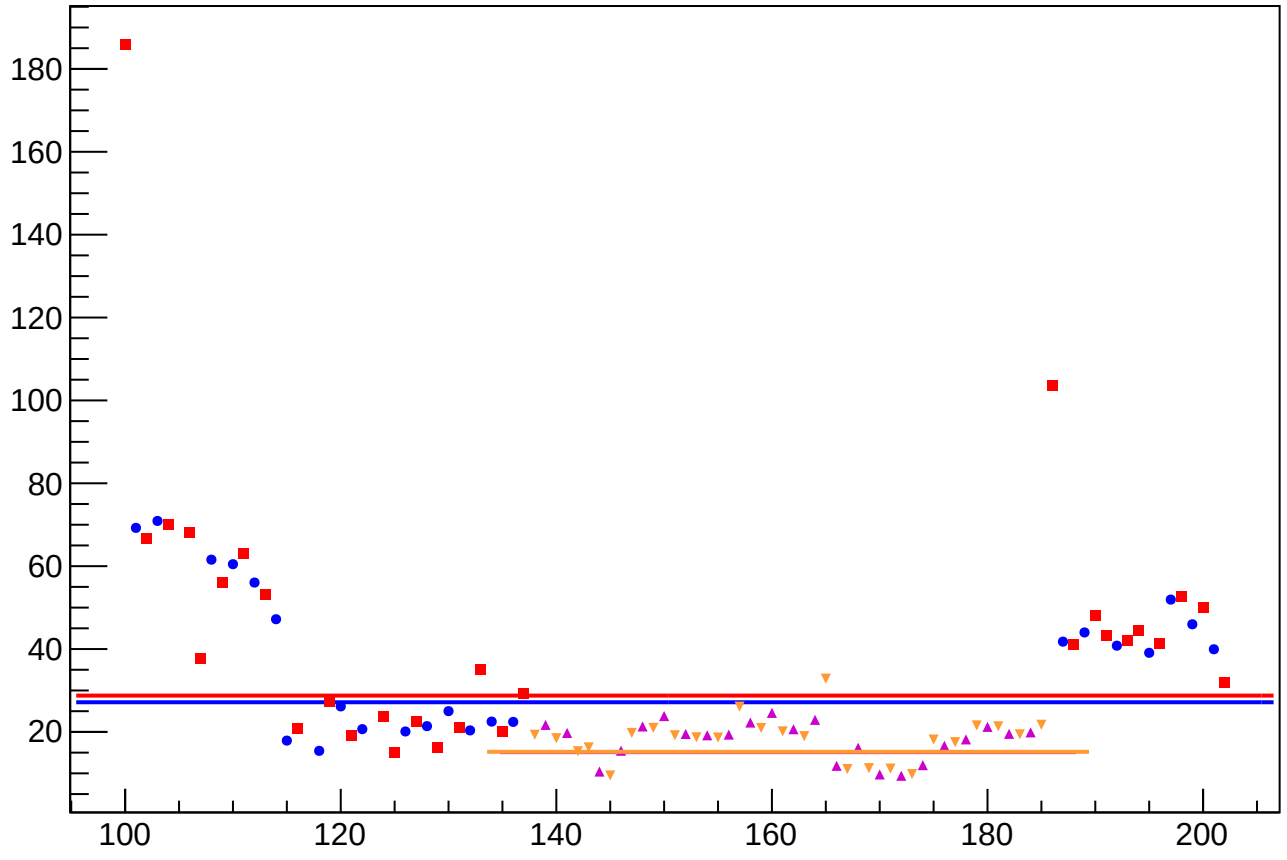
Right Out: -0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.5/47

All: -0.002+/-0.002 χ^2/NDF: 107.5/99

- sign -0.002+/-0.003 χ^2/NDF: 60.9/51



Right In: 27.157+/-0.006 χ^2/NDF: 4113212.2/22

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

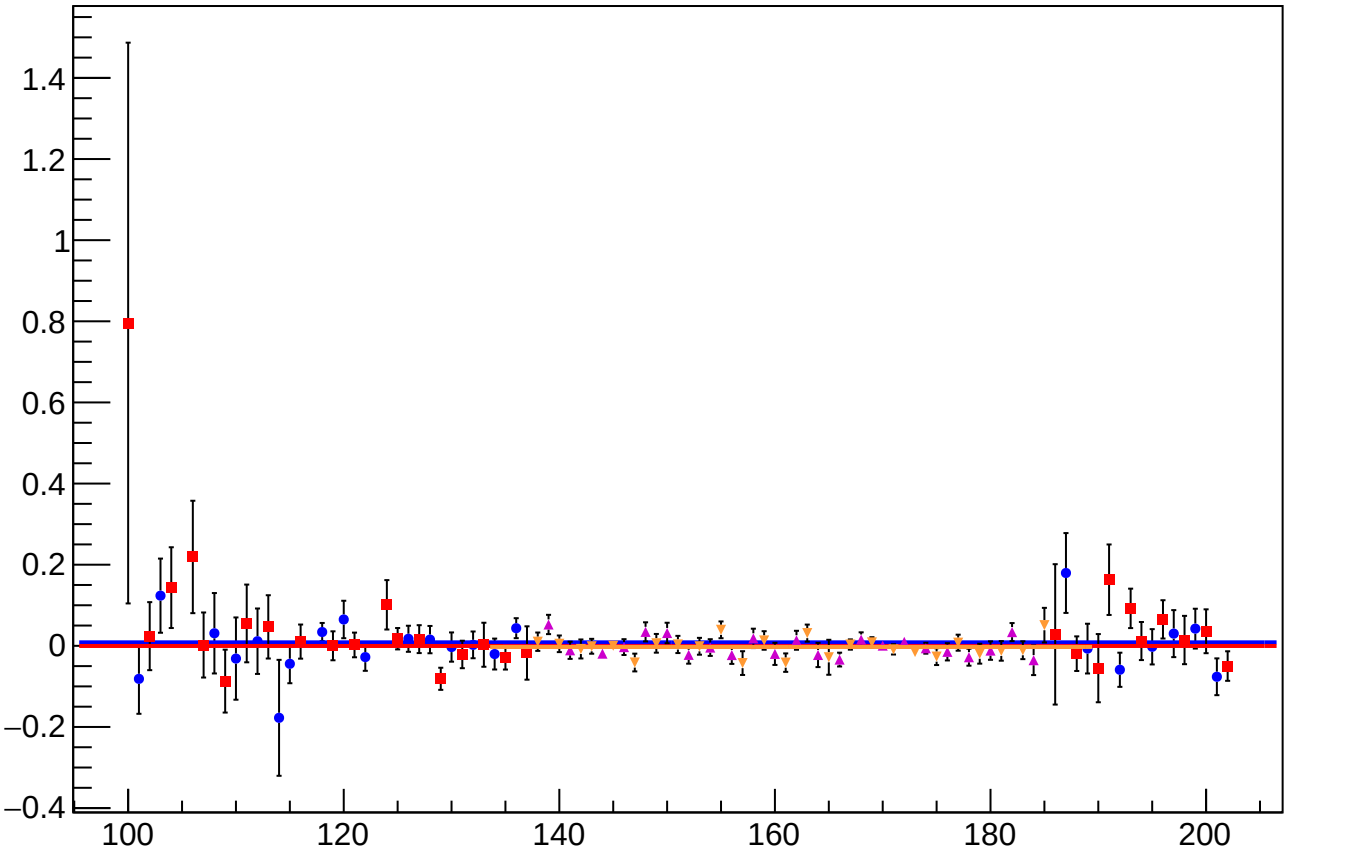
Right Out: 28.767+/-0.006 χ^2/NDF: 5244775.8/28

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.009+/-0.002 χ^2/NDF: 10703629.8/47

All: 17.180+/-0.002 χ^2/NDF: 23543326.8/99

- sign 17.358+/-0.002 χ^2/NDF: 12829490.0/51



Right In: 0.009+/-0.009 χ^2/NDF: 22.4/22

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

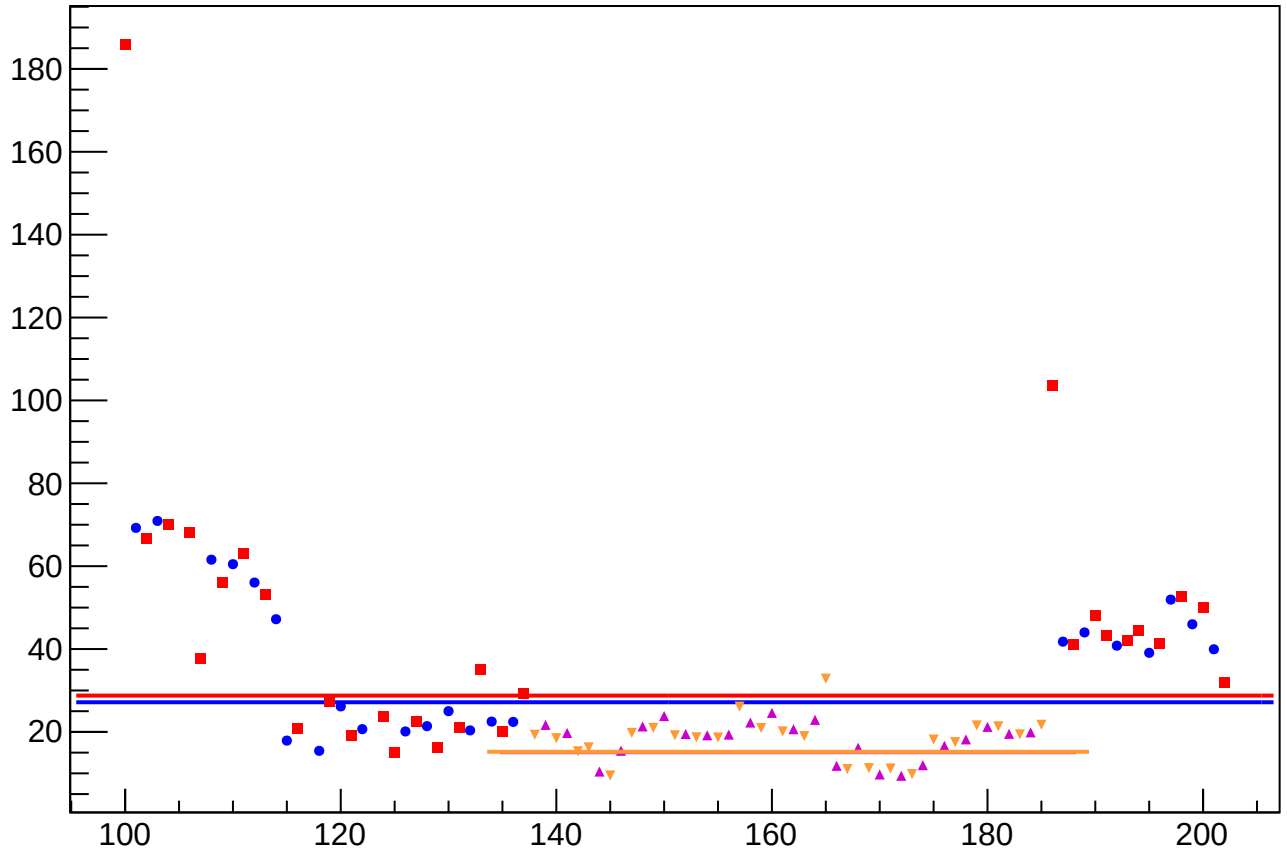
Right Out: -0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.5/47

All: -0.002+/-0.002 χ^2/NDF: 107.5/99

- sign -0.002+/-0.003 χ^2/NDF: 60.9/51



Right In: 27.157+/-0.006 χ^2/NDF: 4113212.2/22

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

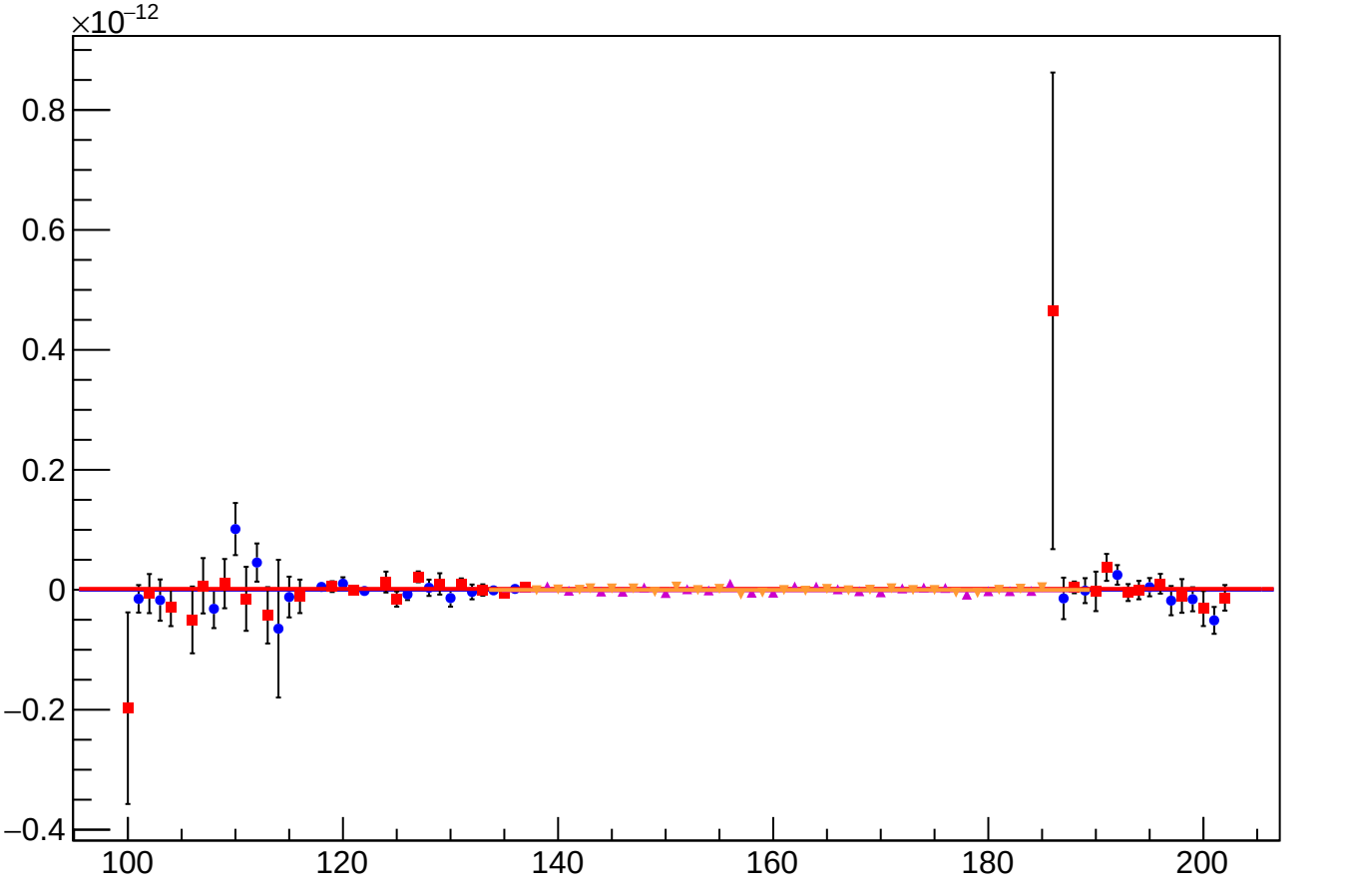
Right Out: 28.767+/-0.006 χ^2/NDF: 5244775.8/28

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.009+/-0.002 χ^2/NDF: 10703629.8/47

All: 17.180+/-0.002 χ^2/NDF: 23543326.8/99

- sign 17.358+/-0.002 χ^2/NDF: 12829490.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

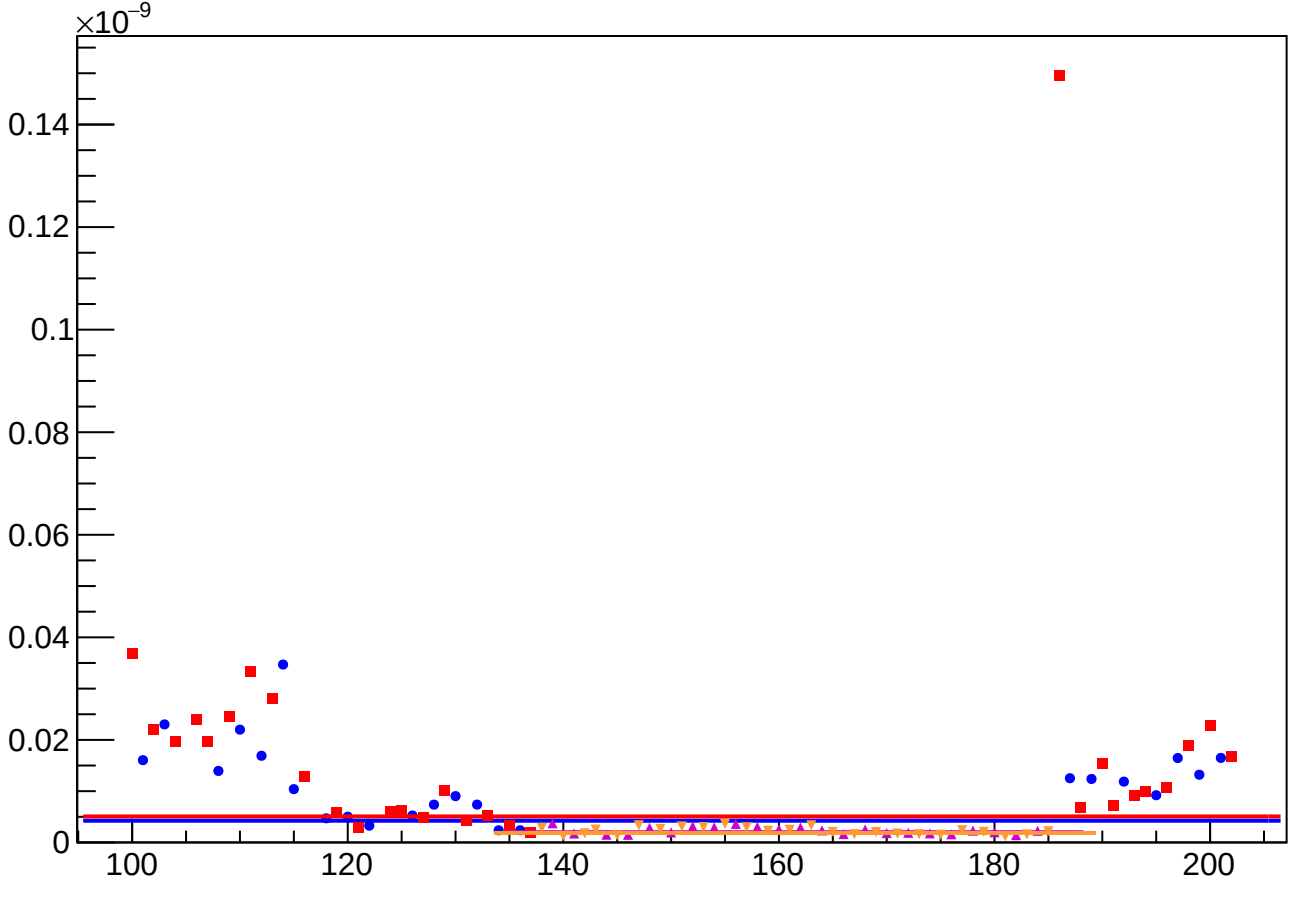
Right Out: 0.000+/-0.000 χ^2/NDF: 22.0/28

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.3/47

All: -0.000+/-0.000 χ^2/NDF: 106.2/99

- sign -0.000+/-0.000 χ^2/NDF: 62.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 6333491.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7716433.3/28

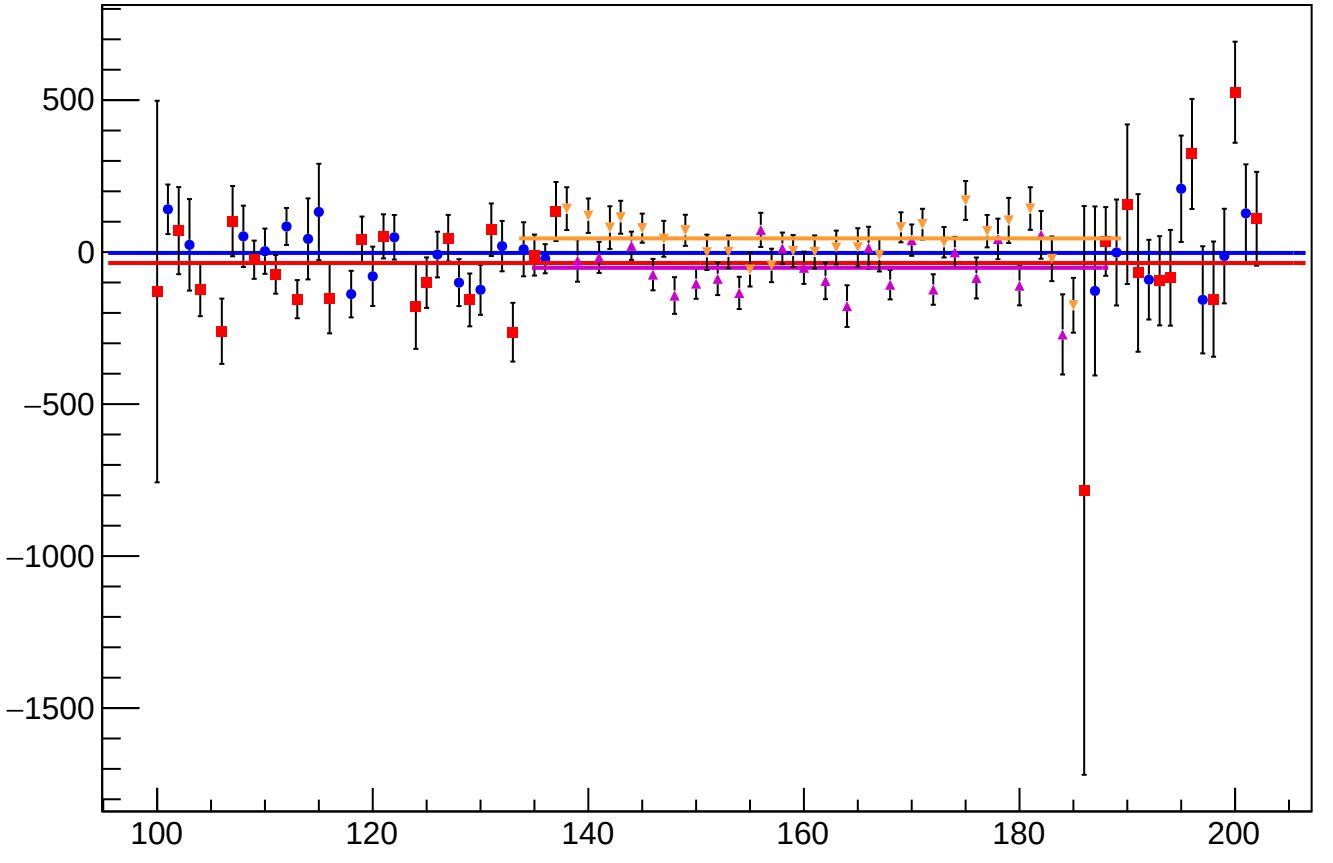
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11660195.2/47

All: 0.000+/-0.000 χ^2/NDF: 25161720.5/99

- sign 0.000+/-0.000 χ^2/NDF: 13380876.2/51

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.685+/-19.069 χ^2/NDF: 18.1/22

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -35.794+/-18.475 χ^2/NDF: 48.3/28

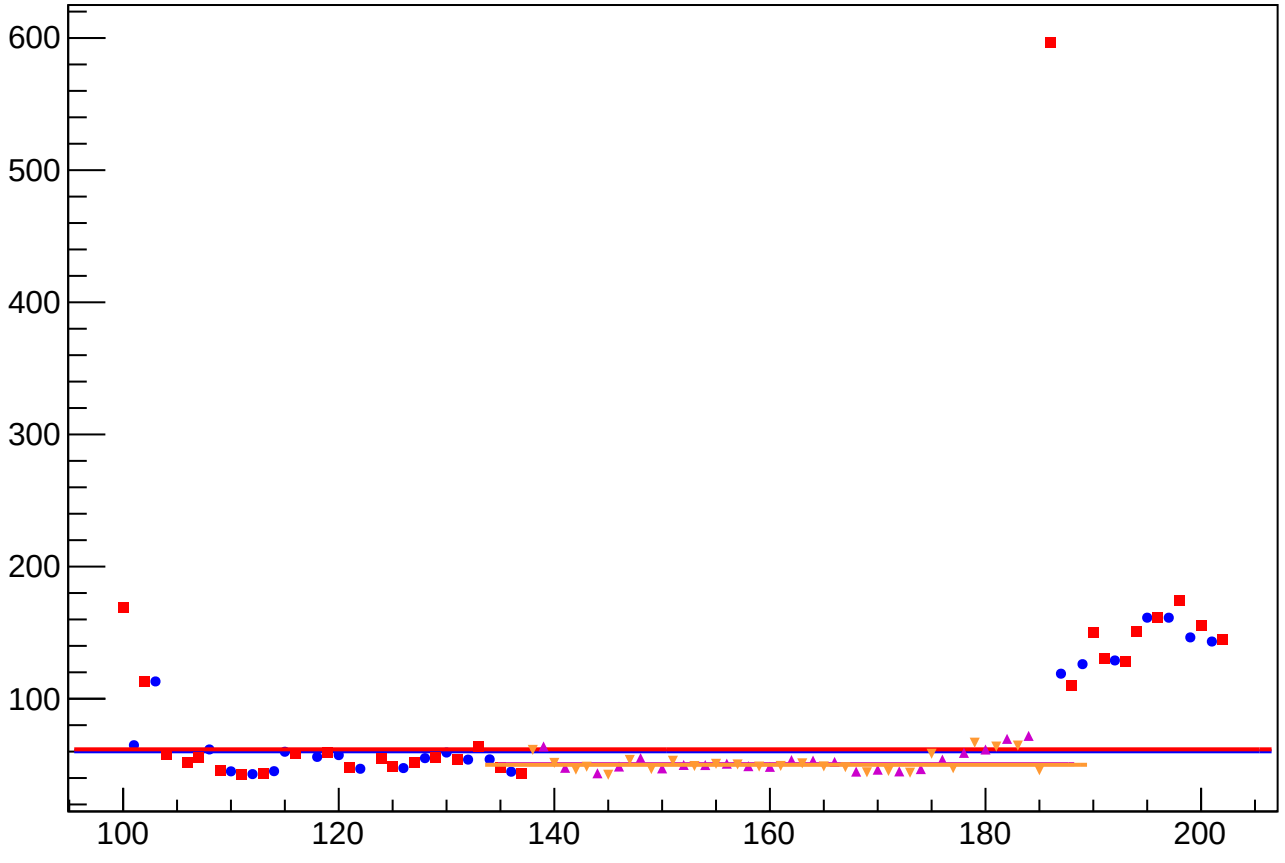
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.359+/-9.844 χ^2/NDF: 54.1/47

All: -6.594+/-7.023 χ^2/NDF: 170.7/99

- sign -46.961+/-10.021 χ^2/NDF: 84.7/51

reg_asym_sam_1357_avg_rms vs Slug



Right In: 60.223+/-0.013 χ^2/NDF: 4287662.0/22

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 61.721+/-0.013 χ^2/NDF: 6134484.7/28

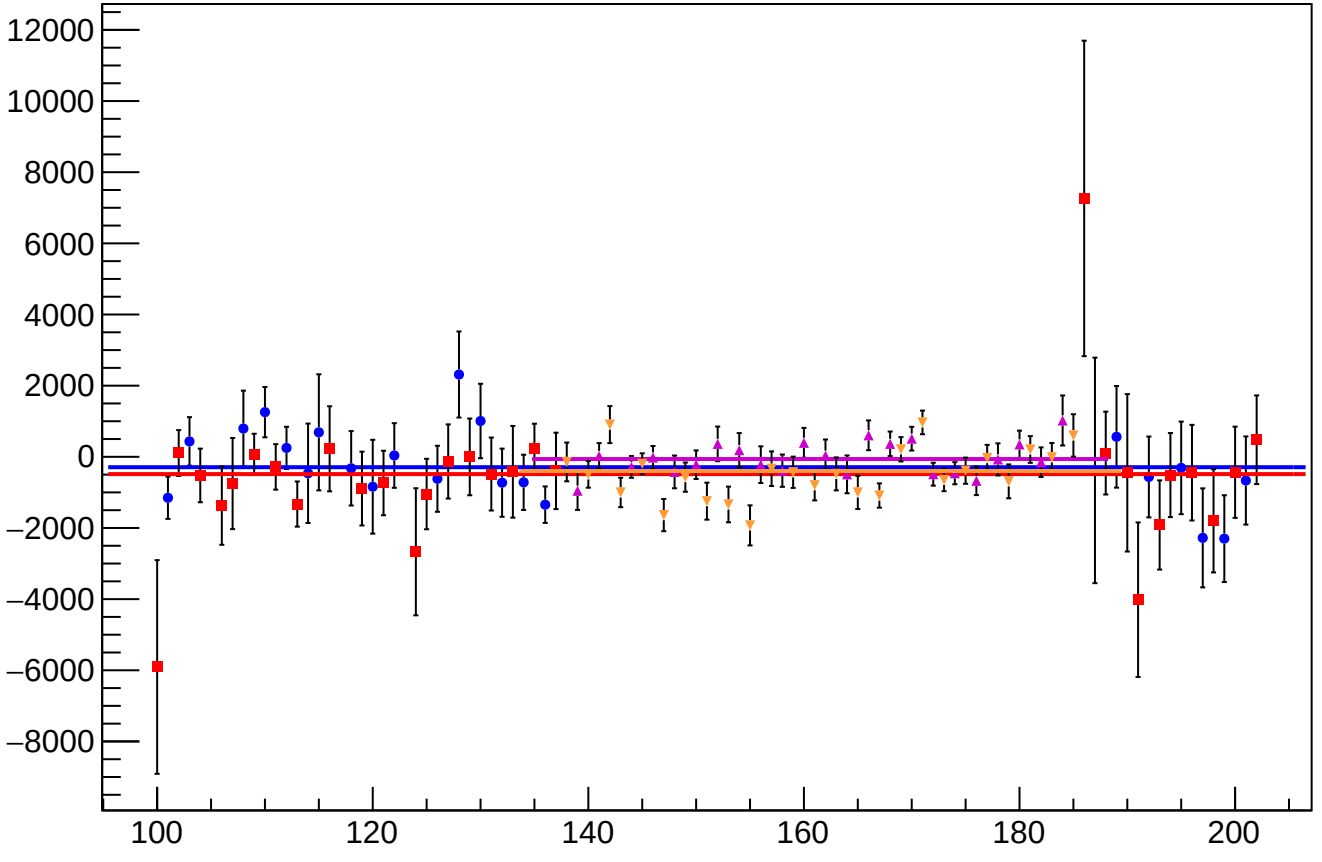
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.740+/-0.007 χ^2/NDF: 5216658.2/47

All: 53.265+/-0.005 χ^2/NDF: 12385703.9/99

- sign 53.810+/-0.007 χ^2/NDF: 7157445.5/51

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -291.683+/-191.030 χ^2/NDF: 26.9/22

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -485.411+/-186.056 χ^2/NDF: 20.0/28

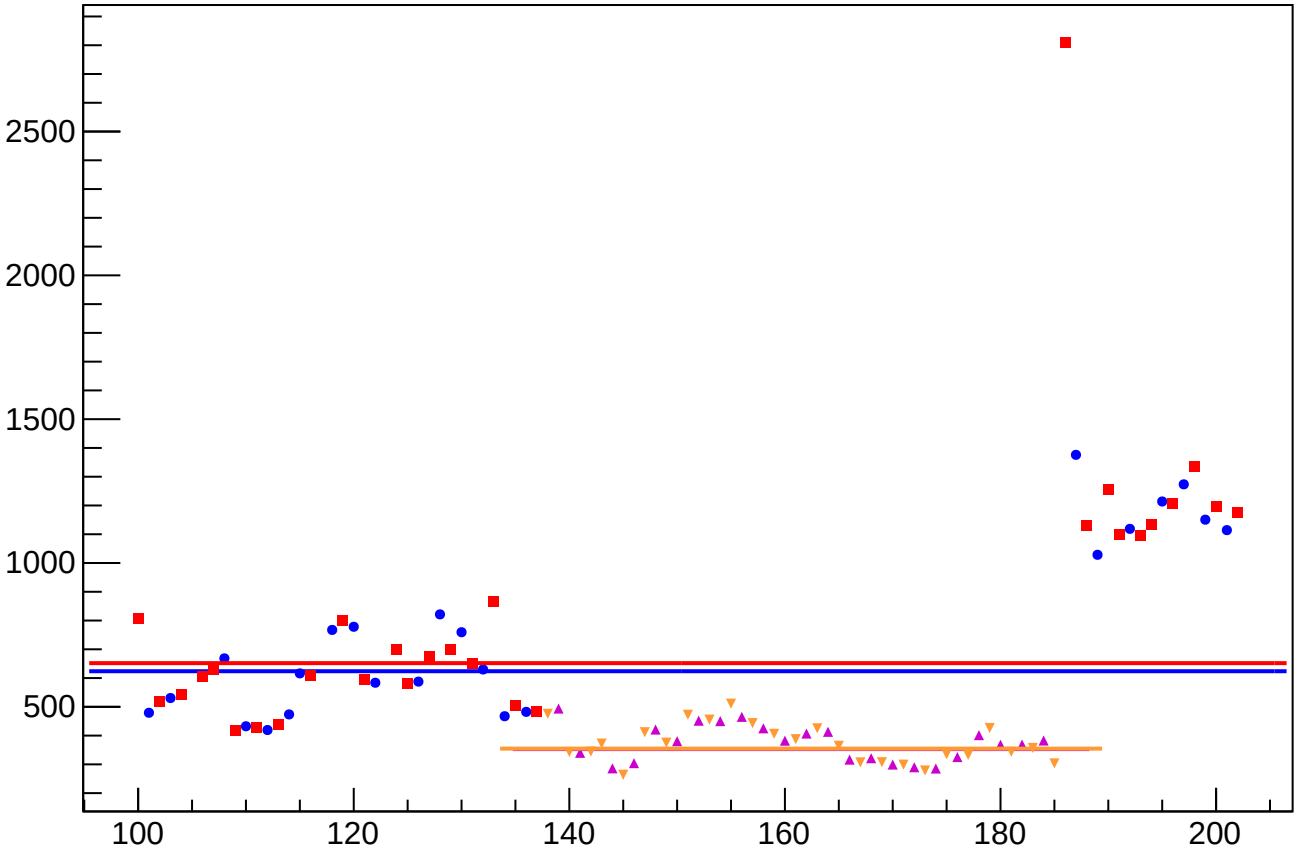
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -382.587+/-75.401 χ^2/NDF: 92.5/47

All: -259.845+/-53.693 χ^2/NDF: 146.1/99

- sign -133.571+/-76.477 χ^2/NDF: 48.2/51

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 623.789+/-0.135 χ^2/NDF: 3144368.5/22

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 651.894+/-0.132 χ^2/NDF: 4340135.2/28

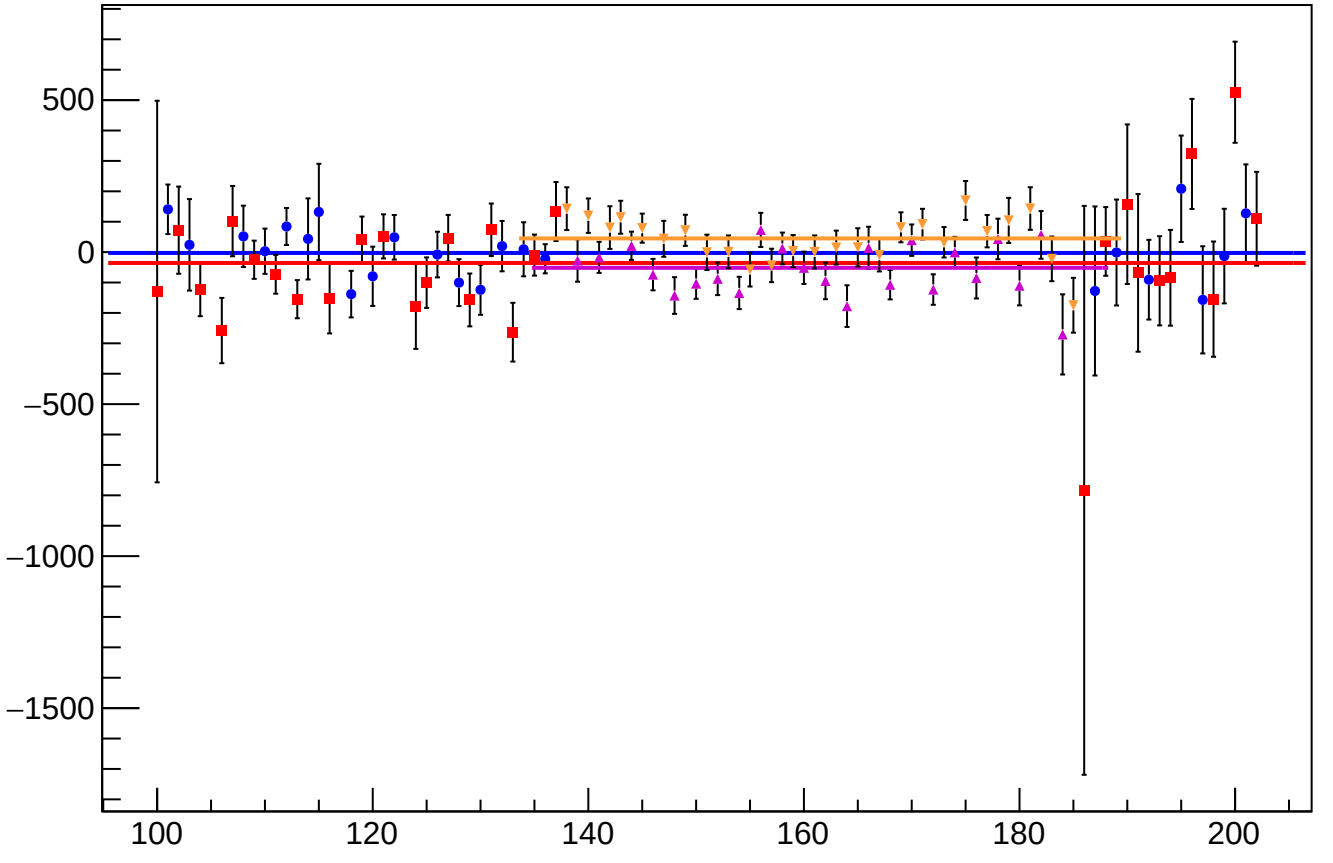
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 396.597+/-0.053 χ^2/NDF: 7640781.1/47

All: 400.045+/-0.038 χ^2/NDF: 17279827.3/99

- sign 403.592+/-0.054 χ^2/NDF: 9630561.0/51

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.690+/-19.069 χ^2/NDF: 18.1/22

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -35.690+/-18.476 χ^2/NDF: 48.2/28

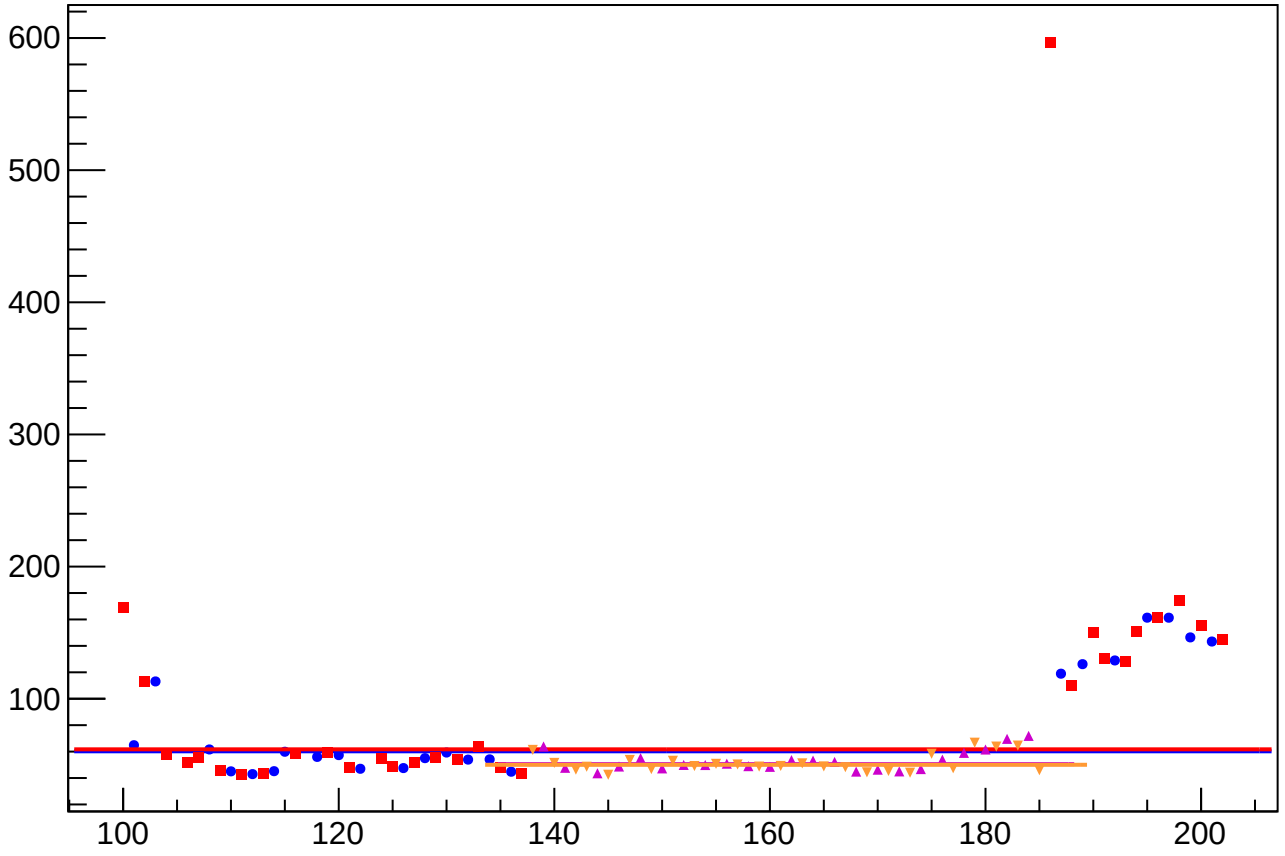
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.361+/-9.844 χ^2/NDF: 54.1/47

All: -6.578+/-7.023 χ^2/NDF: 170.5/99

- sign -46.930+/-10.021 χ^2/NDF: 84.6/51

cor_asym_sam_1357_avg_rms vs Slug



Right In: 60.223+/-0.013 χ^2/NDF: 4287664.3/22

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

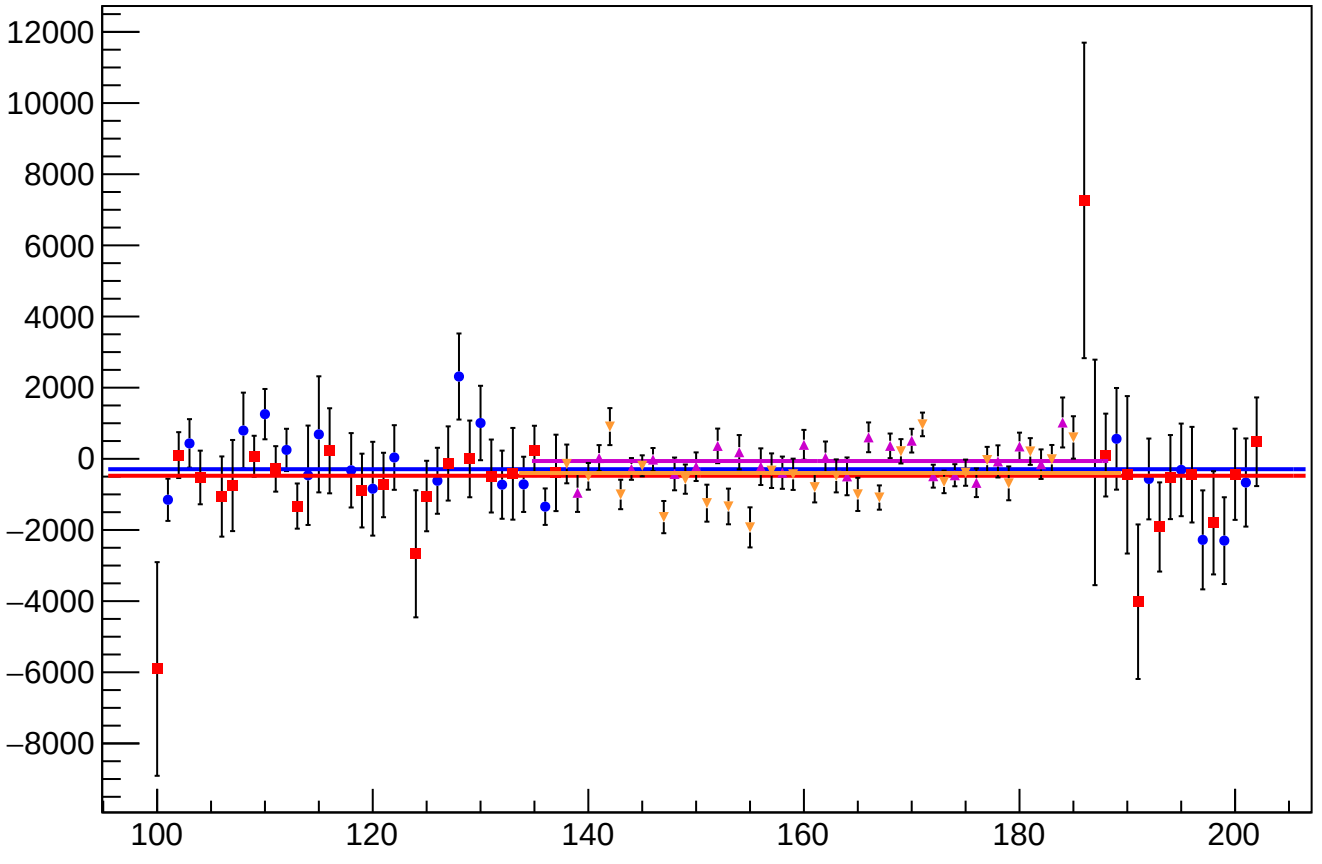
Right Out: 61.712+/-0.013 χ^2/NDF: 6135765.5/28

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.740+/-0.007 χ^2/NDF: 5216660.5/47

All: 53.264+/-0.005 χ^2/NDF: 12386109.4/99

- sign 53.807+/-0.007 χ^2/NDF: 7157906.3/51



Right In: -291.664+/-191.031 χ^2/NDF: 26.9/22

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

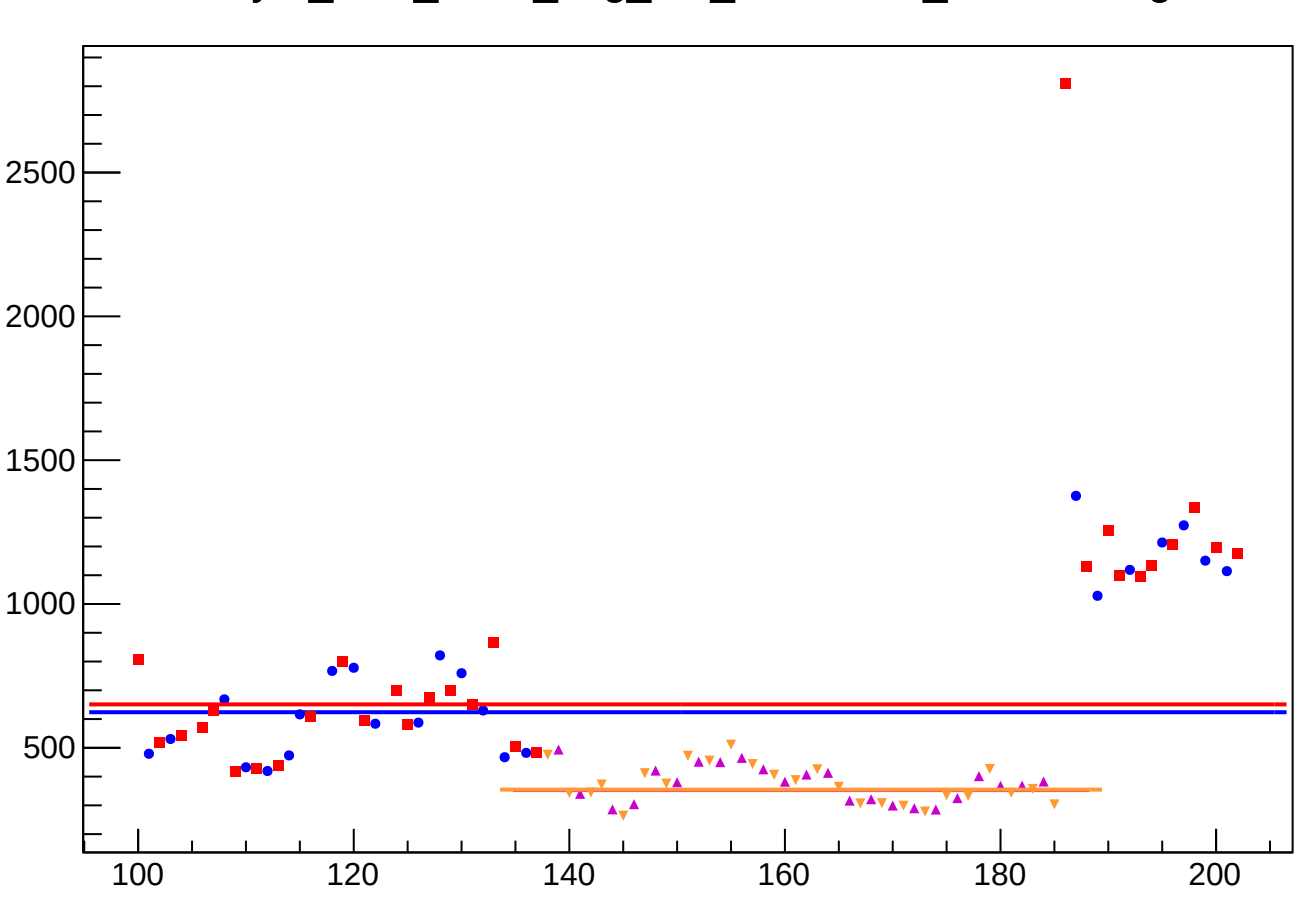
Right Out: -476.003+/-186.202 χ^2/NDF: 19.6/28

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -382.581+/-75.401 χ^2/NDF: 92.5/47

All: -259.029+/-53.697 χ^2/NDF: 145.6/99

- sign -131.889+/-76.488 χ^2/NDF: 47.6/51



Right In: 623.796+/-0.135 χ^2/NDF: 3144316.6/22

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

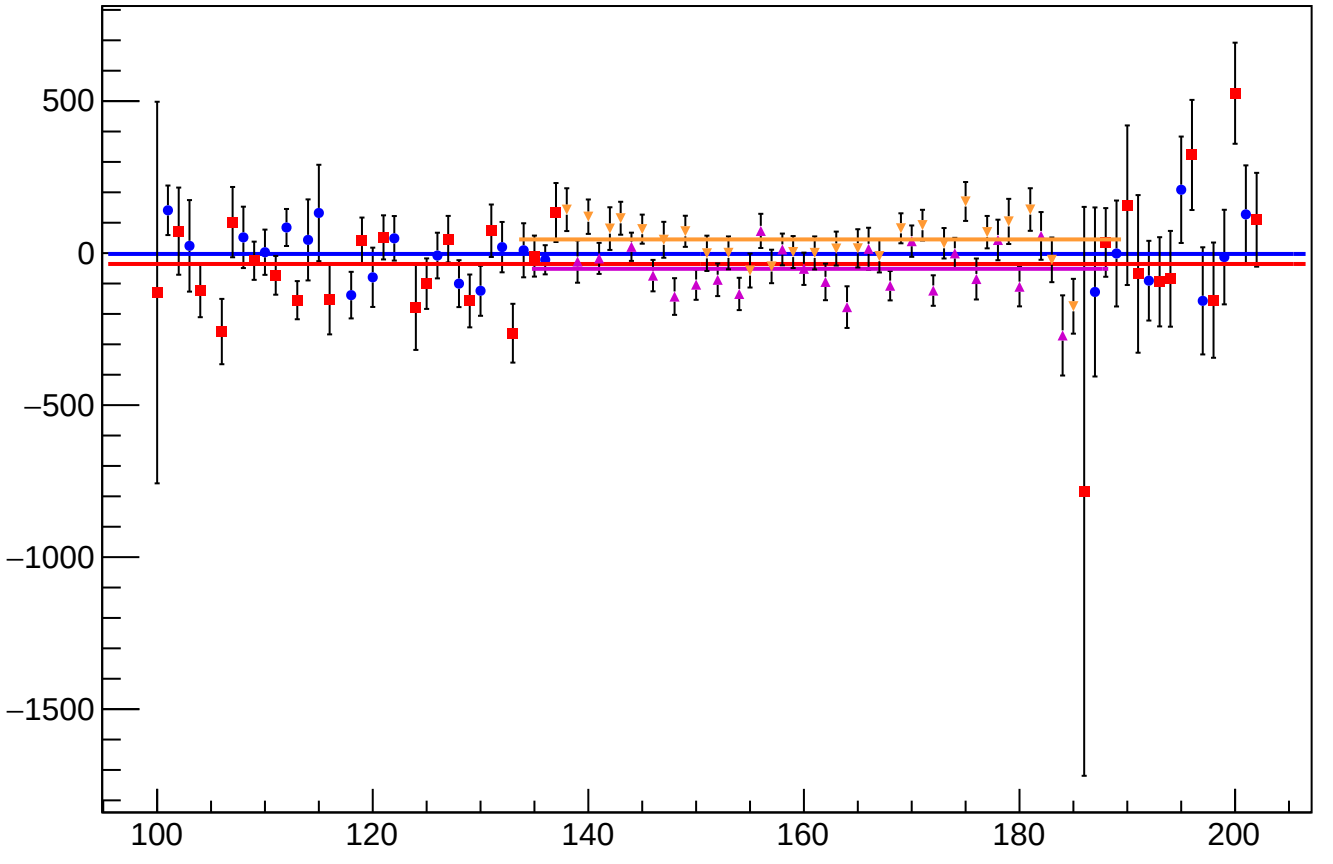
Right Out: 651.053+/-0.132 χ^2/NDF: 4346224.0/28

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 396.597+/-0.053 χ^2/NDF: 7640837.9/47

All: 399.942+/-0.038 χ^2/NDF: 17255801.6/99

- sign 403.384+/-0.054 χ^2/NDF: 9606977.0/51



Right In: -2.690+/-19.069 χ^2/NDF: 18.1/22

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -35.690+/-18.476 χ^2/NDF: 48.2/28

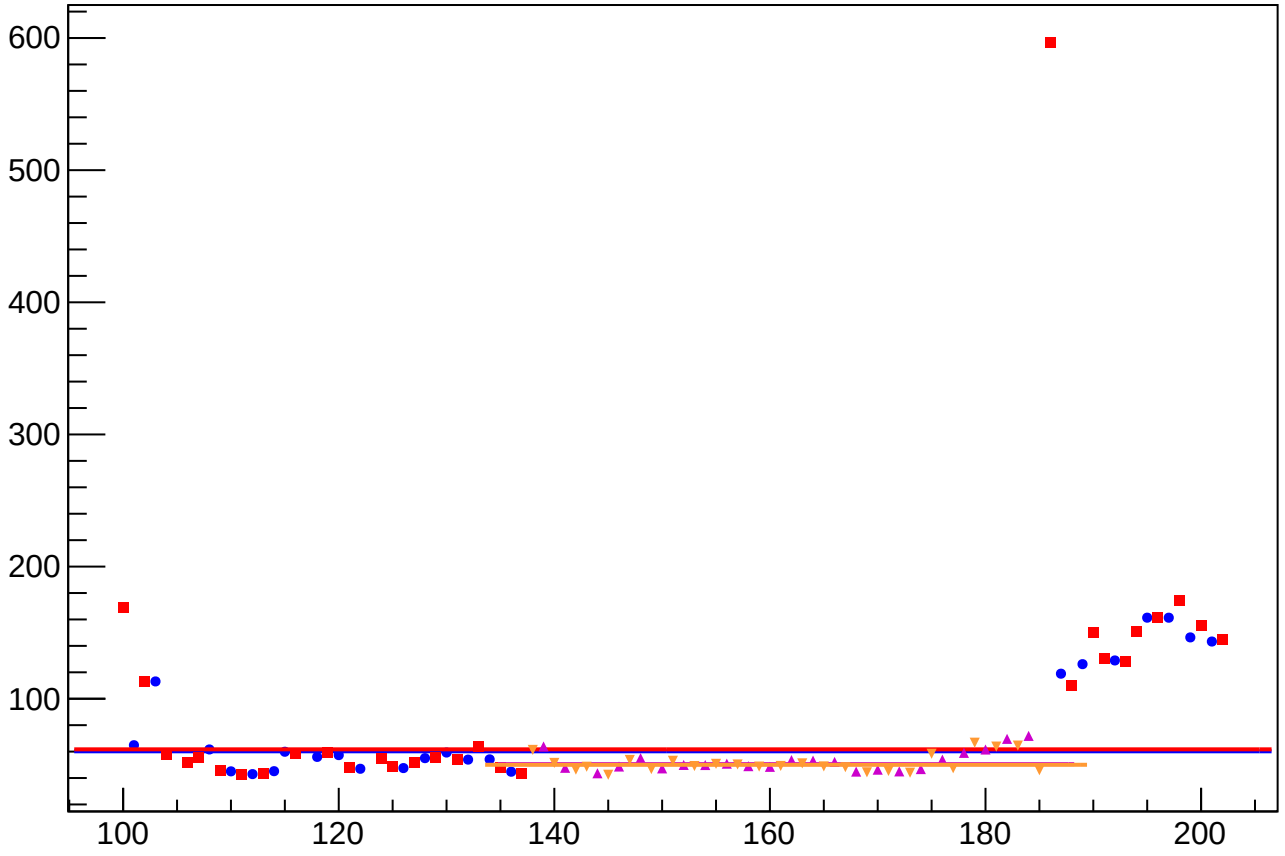
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.361+/-9.844 χ^2/NDF: 54.1/47

All: -6.578+/-7.023 χ^2/NDF: 170.5/99

- sign -46.930+/-10.021 χ^2/NDF: 84.6/51

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 60.223+/-0.013 χ^2/NDF: 4287664.3/22

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

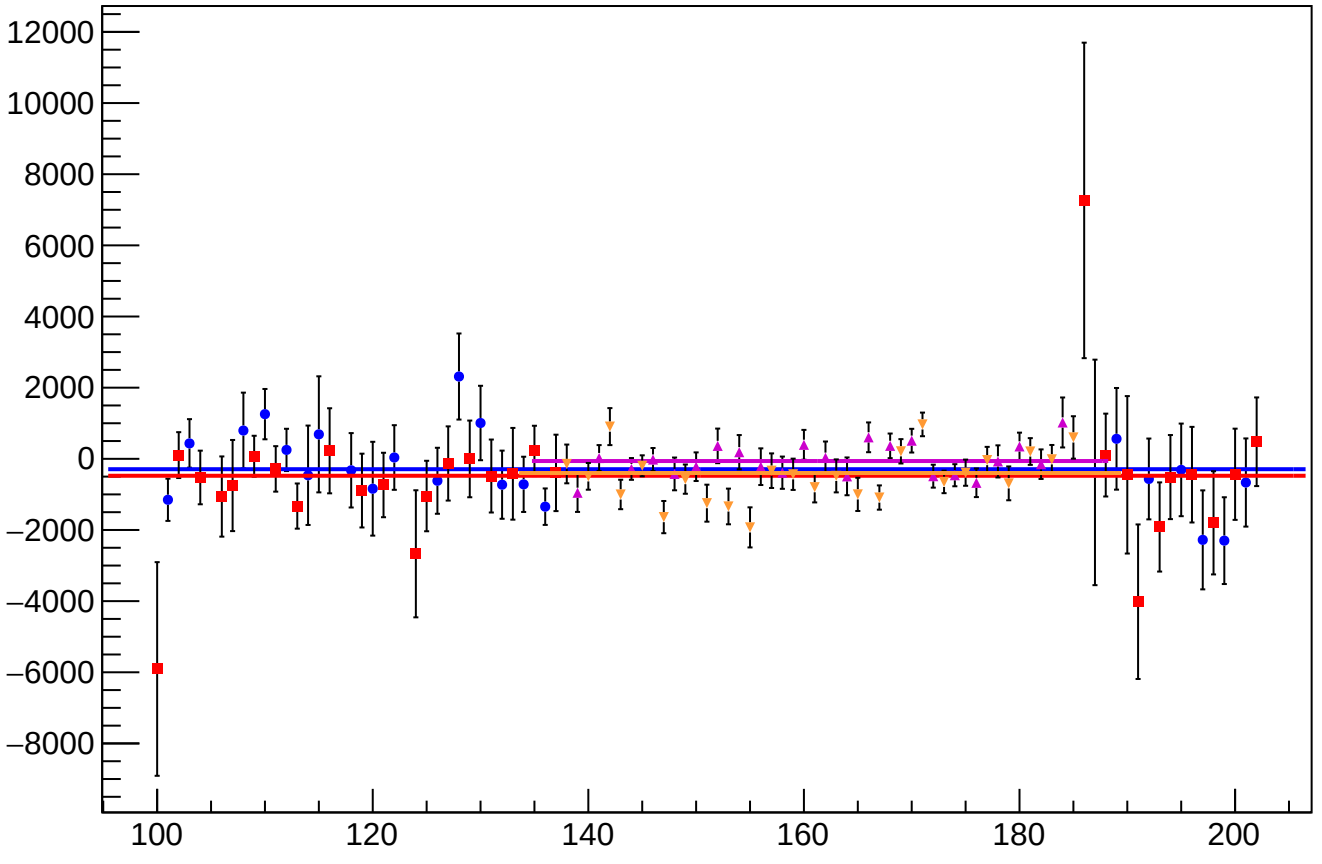
Right Out: 61.712+/-0.013 χ^2/NDF: 6135765.5/28

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.740+/-0.007 χ^2/NDF: 5216660.5/47

All: 53.264+/-0.005 χ^2/NDF: 12386109.4/99

- sign 53.807+/-0.007 χ^2/NDF: 7157906.3/51



Right In: -291.664+/-191.031 χ^2/NDF: 26.9/22

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

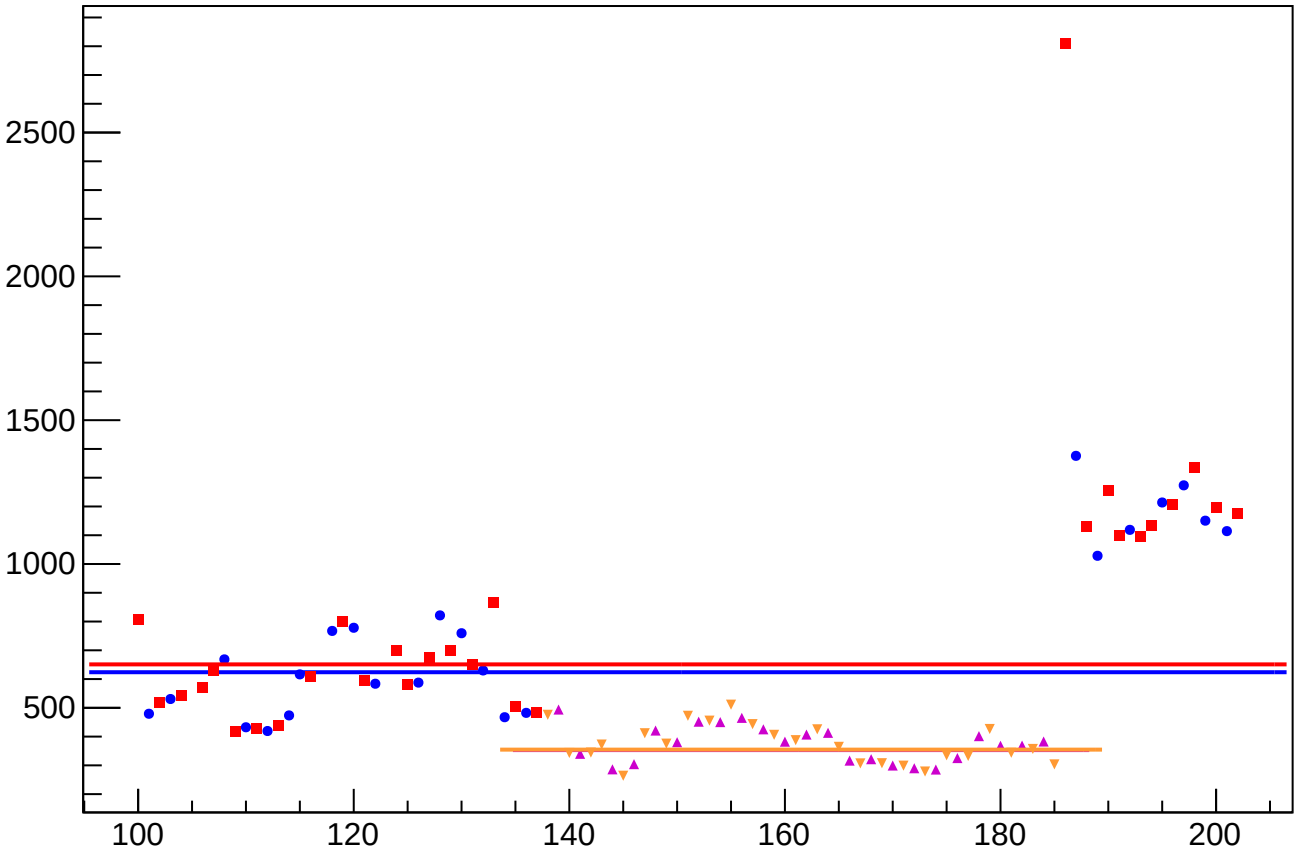
Right Out: -476.003+/-186.202 χ^2/NDF: 19.6/28

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -382.581+/-75.401 χ^2/NDF: 92.5/47

All: -259.029+/-53.697 χ^2/NDF: 145.6/99

- sign -131.889+/-76.488 χ^2/NDF: 47.6/51



Right In: 623.796+/-0.135 χ^2/NDF: 3144316.6/22

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 651.053+/-0.132 χ^2/NDF: 4346224.0/28

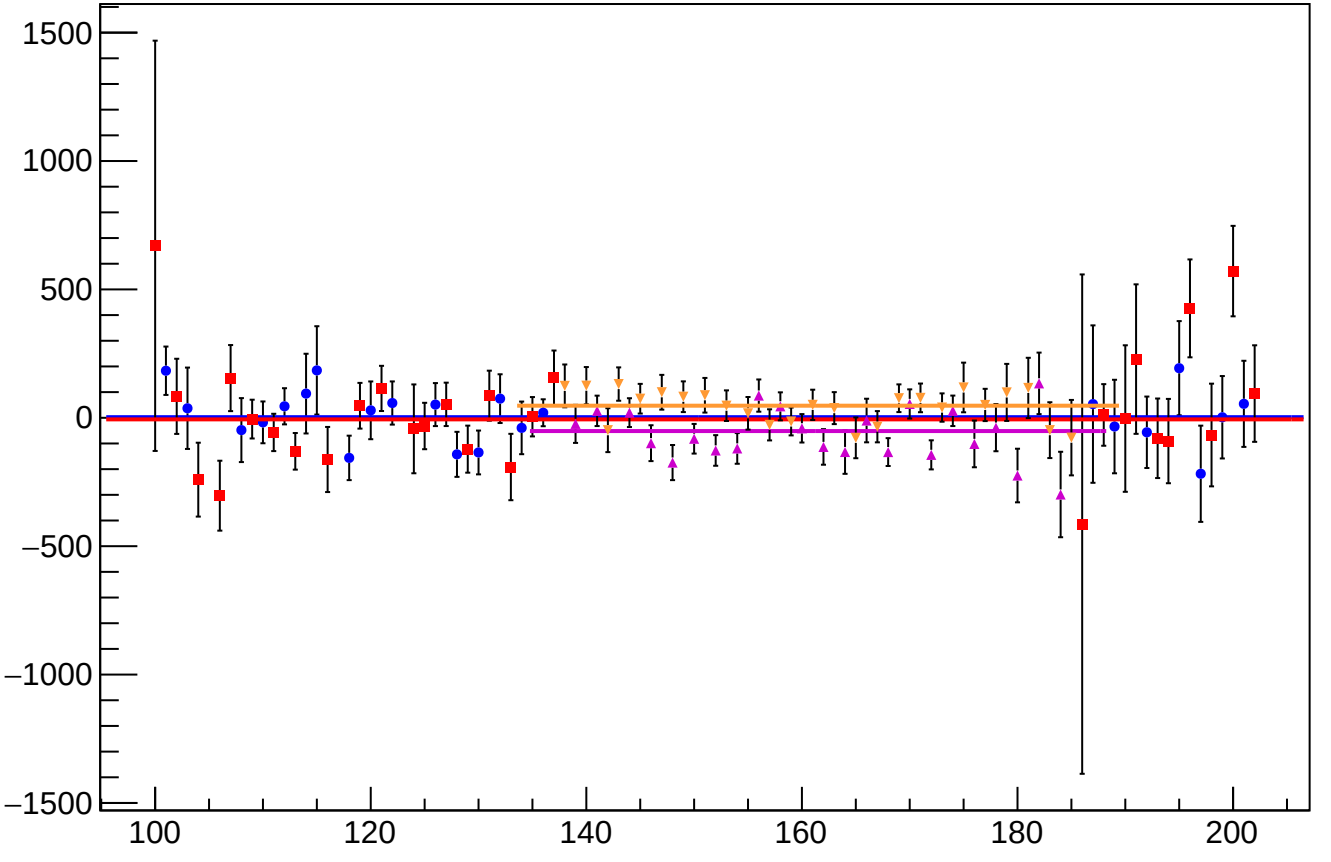
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 396.597+/-0.053 χ^2/NDF: 7640837.9/47

All: 399.942+/-0.038 χ^2/NDF: 17255801.6/99

- sign 403.384+/-0.054 χ^2/NDF: 9606977.0/51

dit_asym_sam_1357_avg_mean vs Slug



Right In: 2.404+/-21.301 χ^2/NDF: 19.0/22

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -6.116+/-21.246 χ^2/NDF: 42.5/28

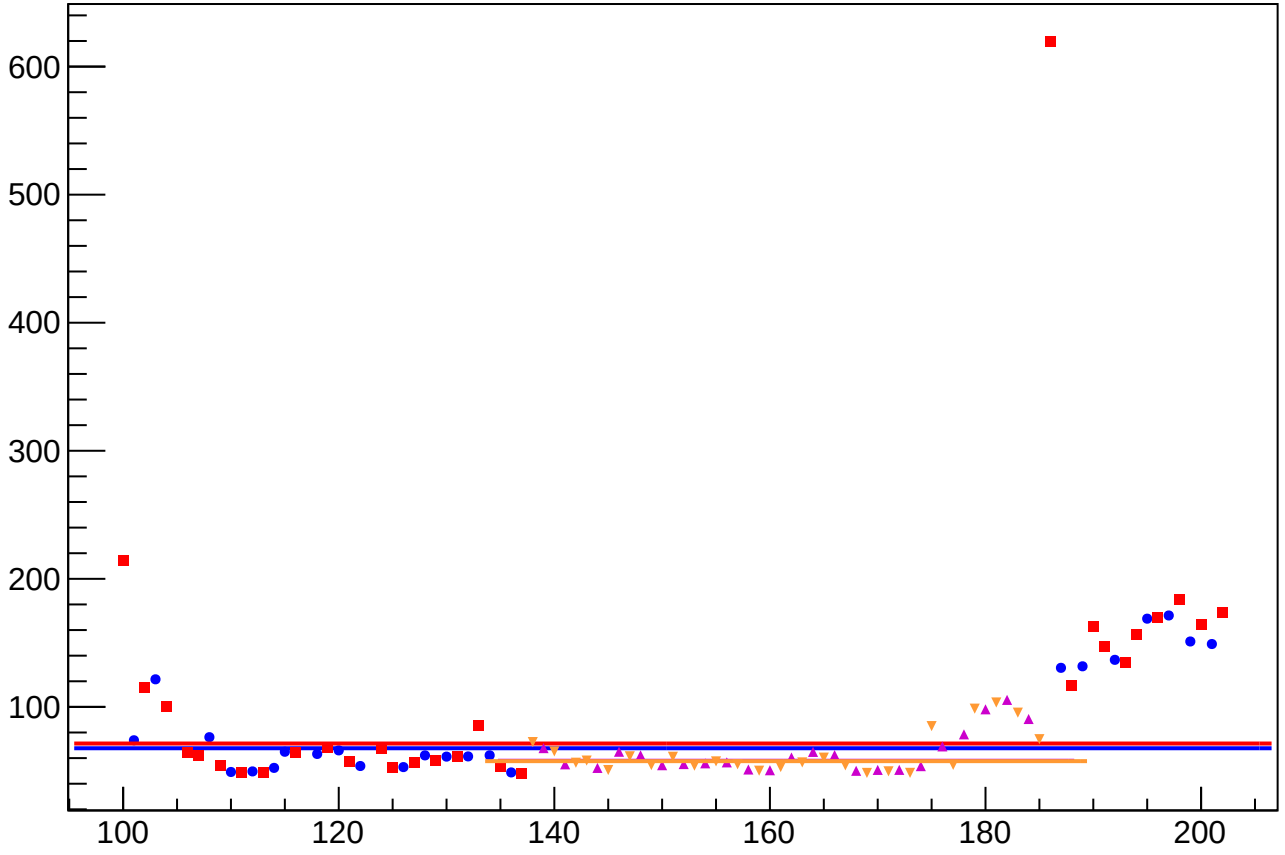
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 34.313+/-11.410 χ^2/NDF: 39.1/47

All: -1.064+/-8.152 χ^2/NDF: 142.6/99

- sign -37.957+/-11.651 χ^2/NDF: 83.9/51

dit_asym_sam_1357_avg_rms vs Slug



Right In: 67.694+/-0.015 χ^2/NDF: 3976610.1/22

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 71.395+/-0.015 χ^2/NDF: 5784593.1/28

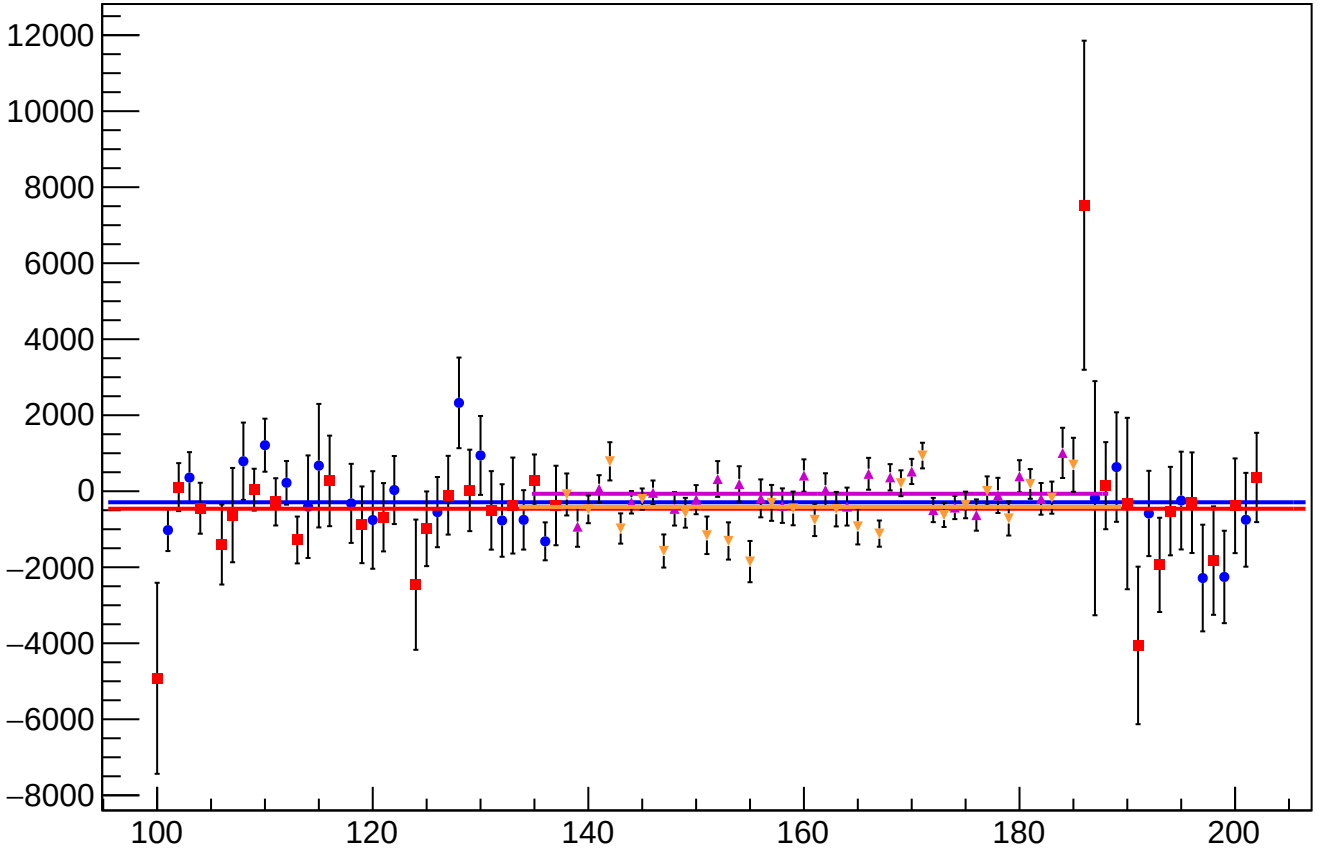
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 60.518+/-0.008 χ^2/NDF: 5660371.6/47

All: 61.237+/-0.006 χ^2/NDF: 13146576.1/99

- sign 61.987+/-0.008 χ^2/NDF: 7469986.7/51

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -290.194+/-186.742 χ^2/NDF: 26.3/22

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -460.407+/-180.101 χ^2/NDF: 20.9/28

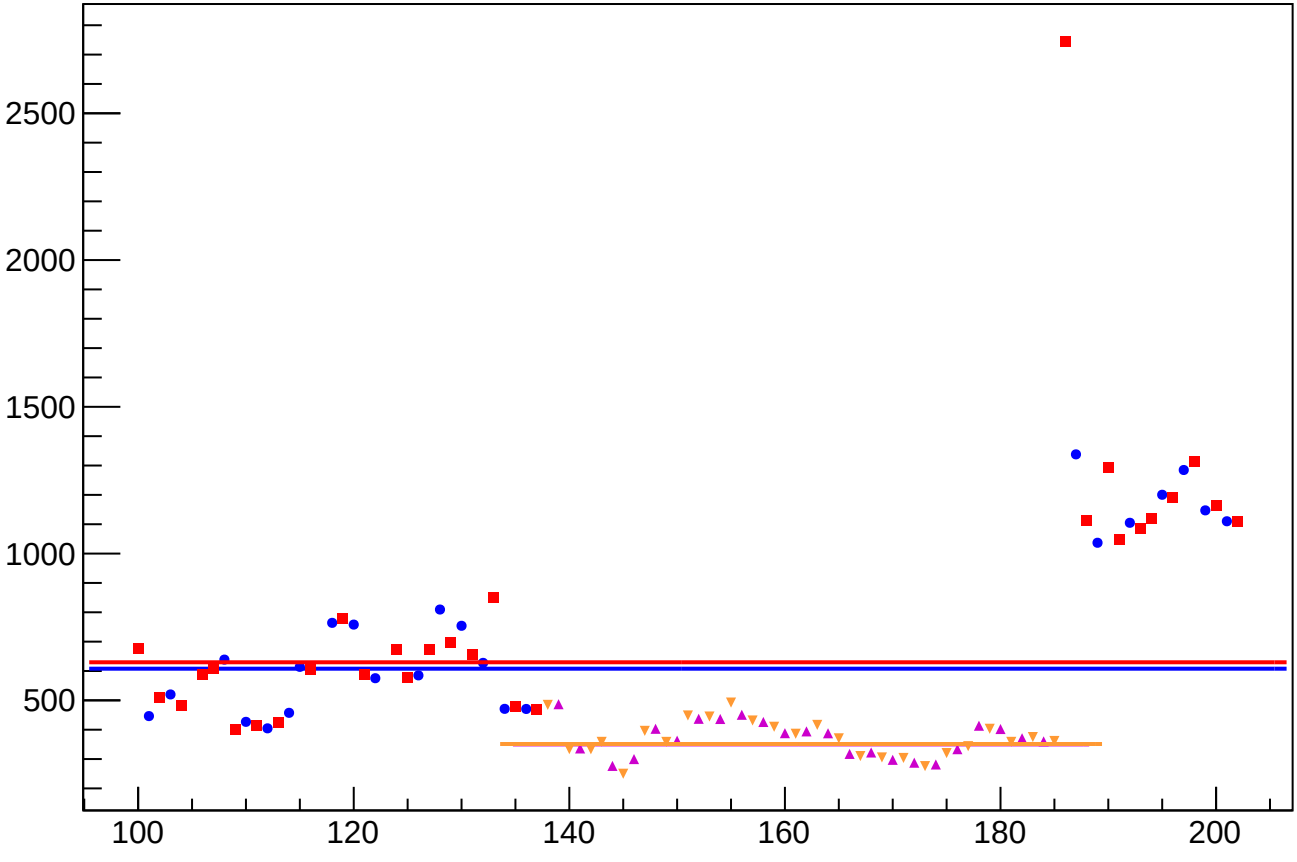
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -393.544+/-74.414 χ^2/NDF: 88.0/47

All: -266.404+/-52.978 χ^2/NDF: 141.6/99

- sign -135.730+/-75.442 χ^2/NDF: 47.7/51

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 607.820+/-0.132 χ^2/NDF: 3301826.2/22

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 629.680+/-0.127 χ^2/NDF: 4491134.4/28

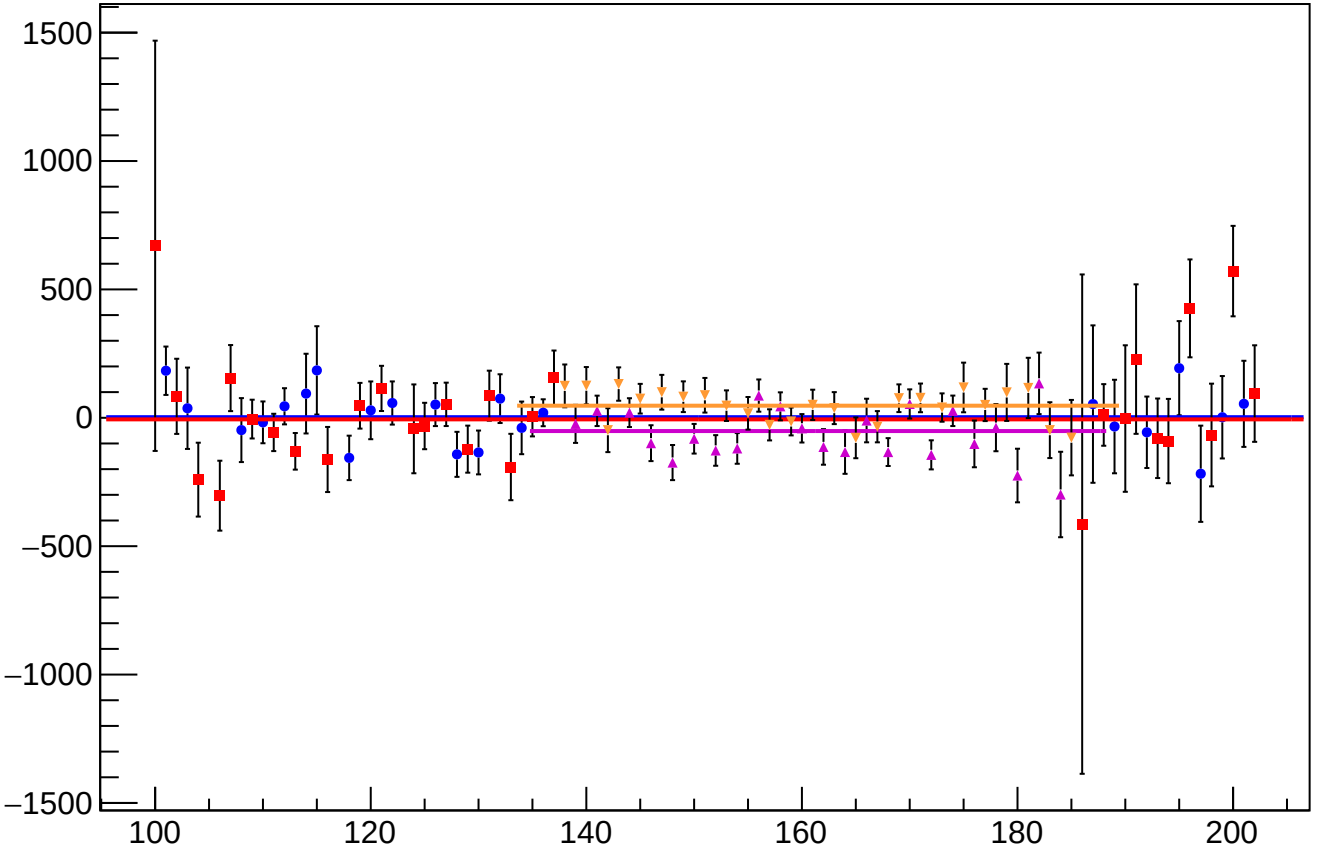
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 392.003+/-0.053 χ^2/NDF: 7595582.0/47

All: 395.414+/-0.037 χ^2/NDF: 17067713.7/99

- sign 398.920+/-0.053 χ^2/NDF: 9463610.9/51

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 2.404+/-21.301 χ^2/NDF: 19.0/22

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -6.115+/-21.246 χ^2/NDF: 42.5/28

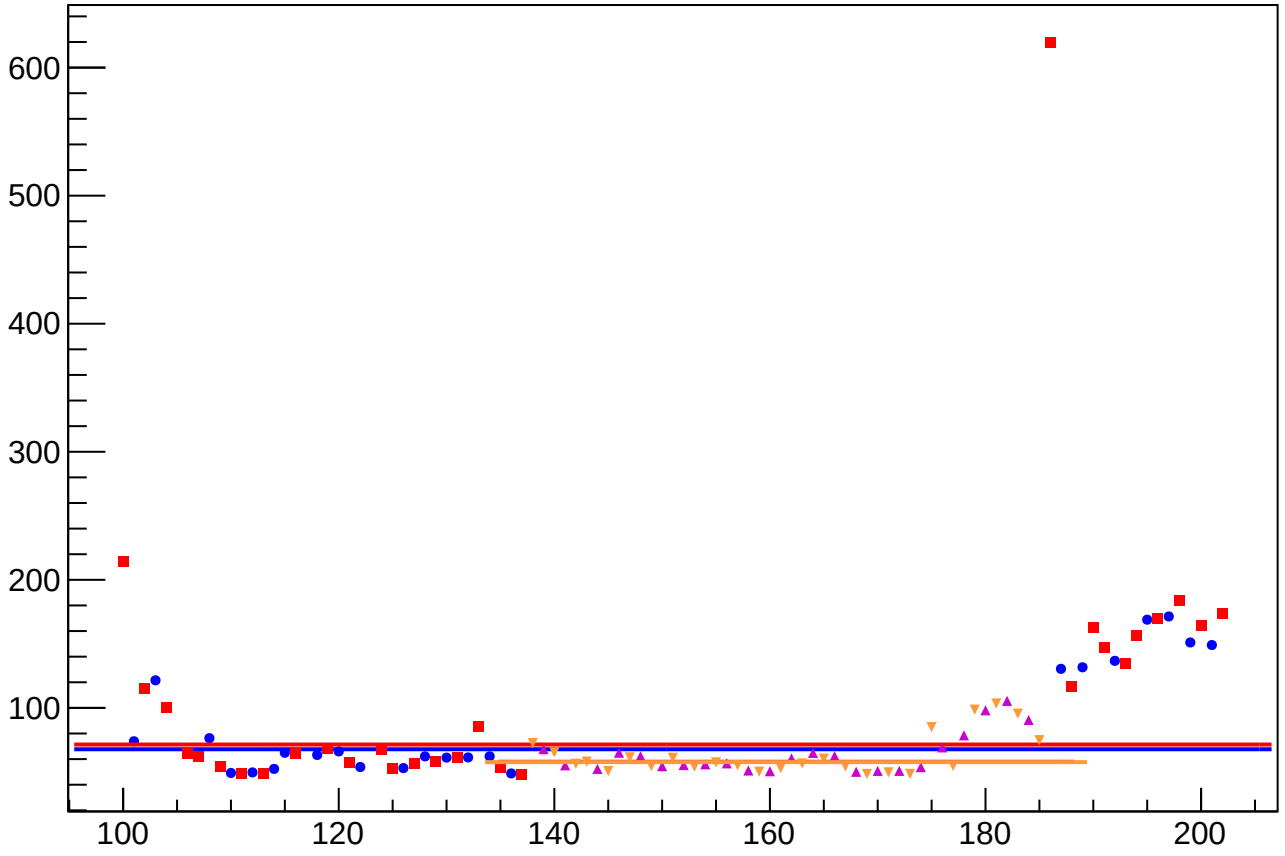
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 34.313+/-11.410 χ^2/NDF: 39.1/47

All: -1.064+/-8.152 χ^2/NDF: 142.6/99

- sign -37.956+/-11.651 χ^2/NDF: 83.9/51

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 67.694+/-0.015 χ^2/NDF: 3976596.3/22

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

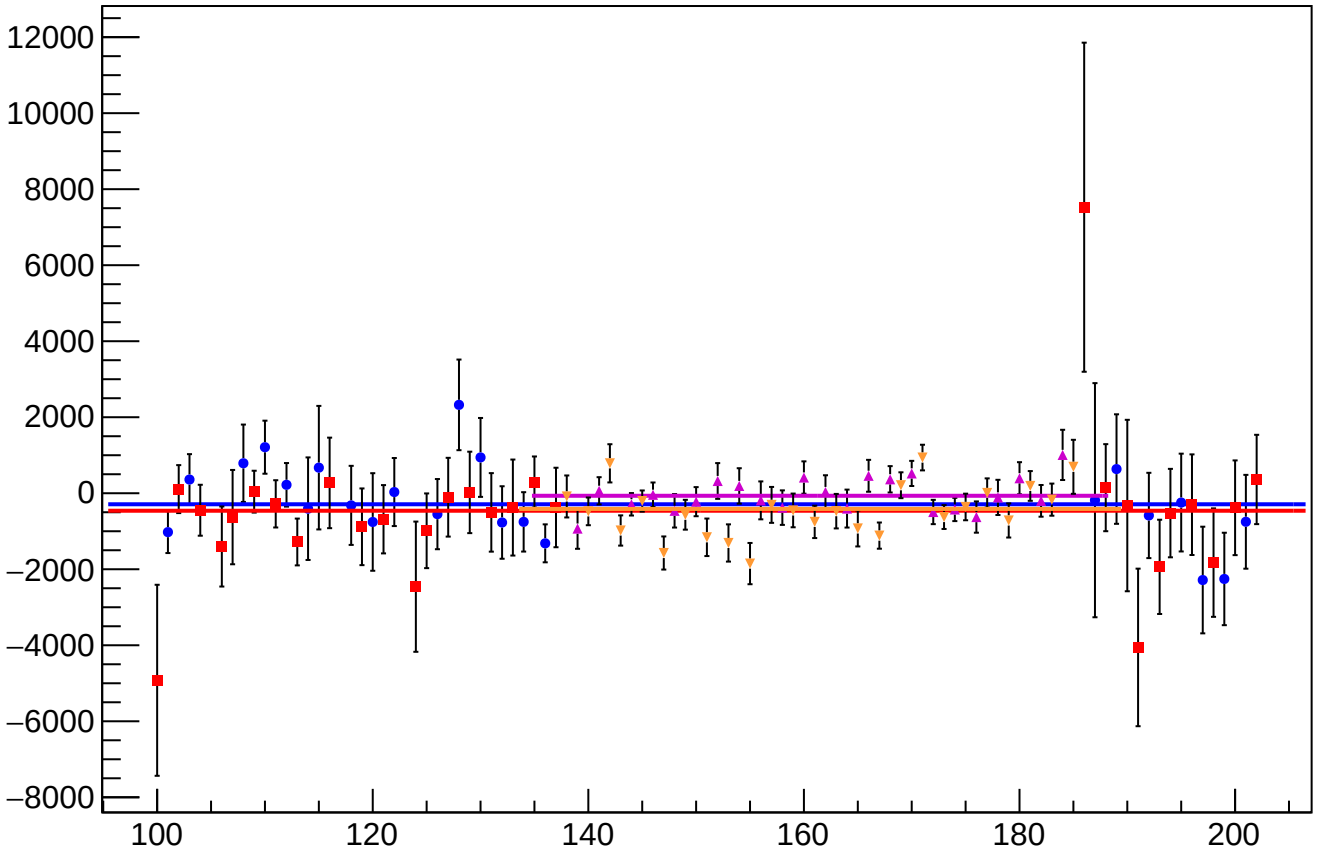
Right Out: 71.395+/-0.015 χ^2/NDF: 5784585.4/28

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 60.518+/-0.008 χ^2/NDF: 5660353.0/47

All: 61.237+/-0.006 χ^2/NDF: 13146537.3/99

- sign 61.987+/-0.008 χ^2/NDF: 7469965.9/51



Right In: -290.194+/-186.742 χ^2/NDF: 26.3/22

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

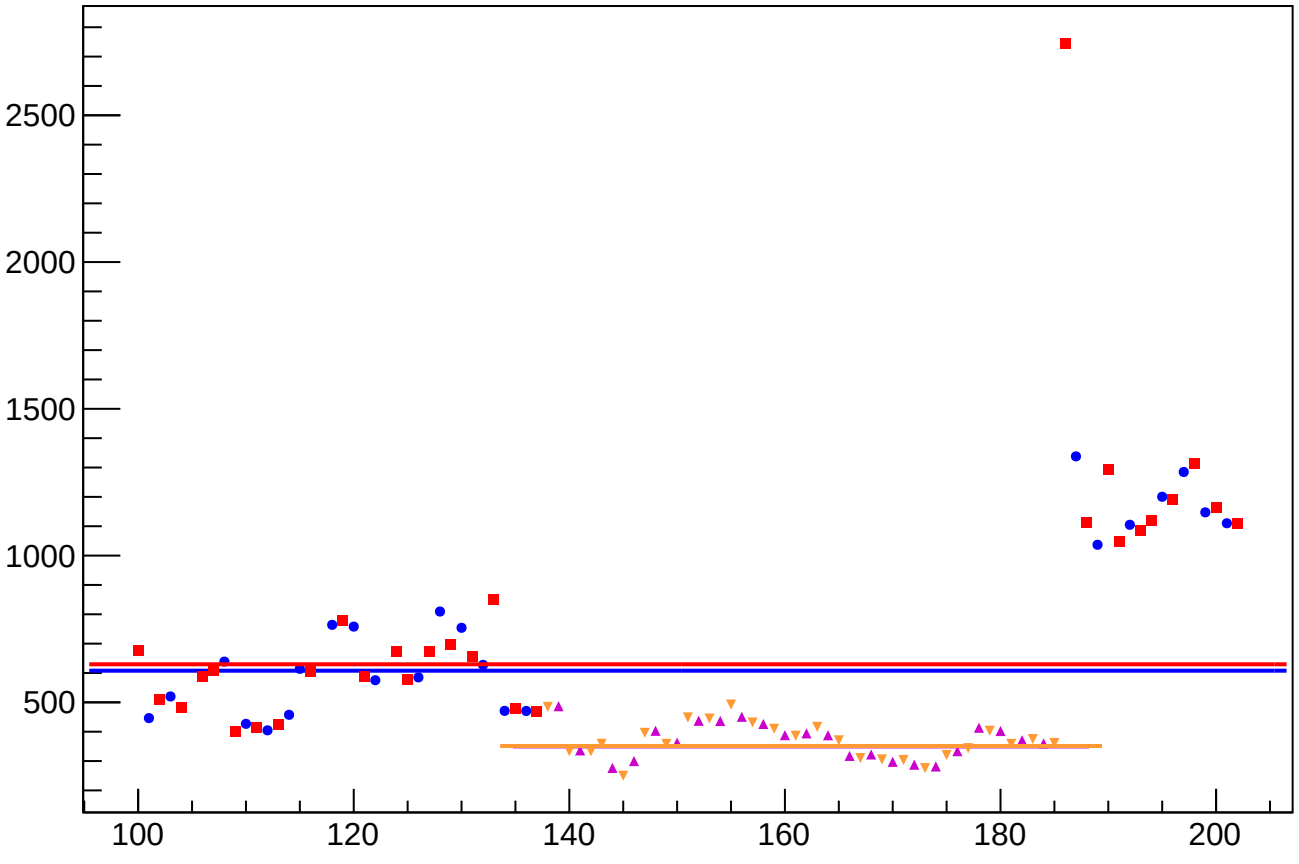
Right Out: -460.406+/-180.100 χ^2/NDF: 20.9/28

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -393.544+/-74.414 χ^2/NDF: 88.0/47

All: -266.404+/-52.978 χ^2/NDF: 141.6/99

- sign -135.730+/-75.441 χ^2/NDF: 47.7/51



Right In: 607.819+/-0.132 χ^2/NDF: 3301833.0/22

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 629.679+/-0.127 χ^2/NDF: 4491139.1/28

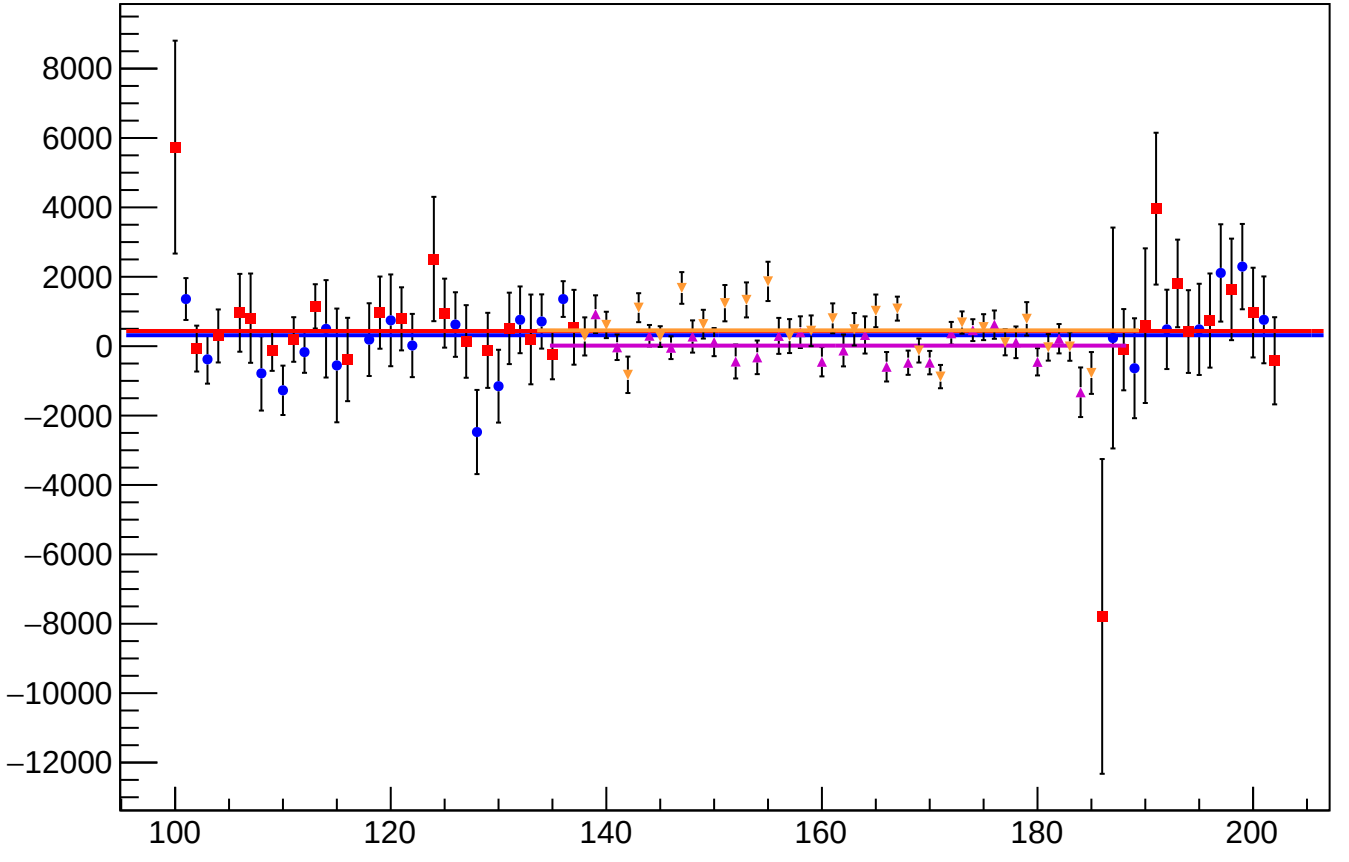
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 392.003+/-0.053 χ^2/NDF: 7595572.8/47

All: 395.414+/-0.037 χ^2/NDF: 17067686.2/99

- sign 398.920+/-0.053 χ^2/NDF: 9463592.1/51

asym_sam_1357_avg_mean vs Slug



Right In: 315.246+/-192.594 χ^2/NDF: 27.9/22

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 437.601+/-187.574 χ^2/NDF: 18.7/28

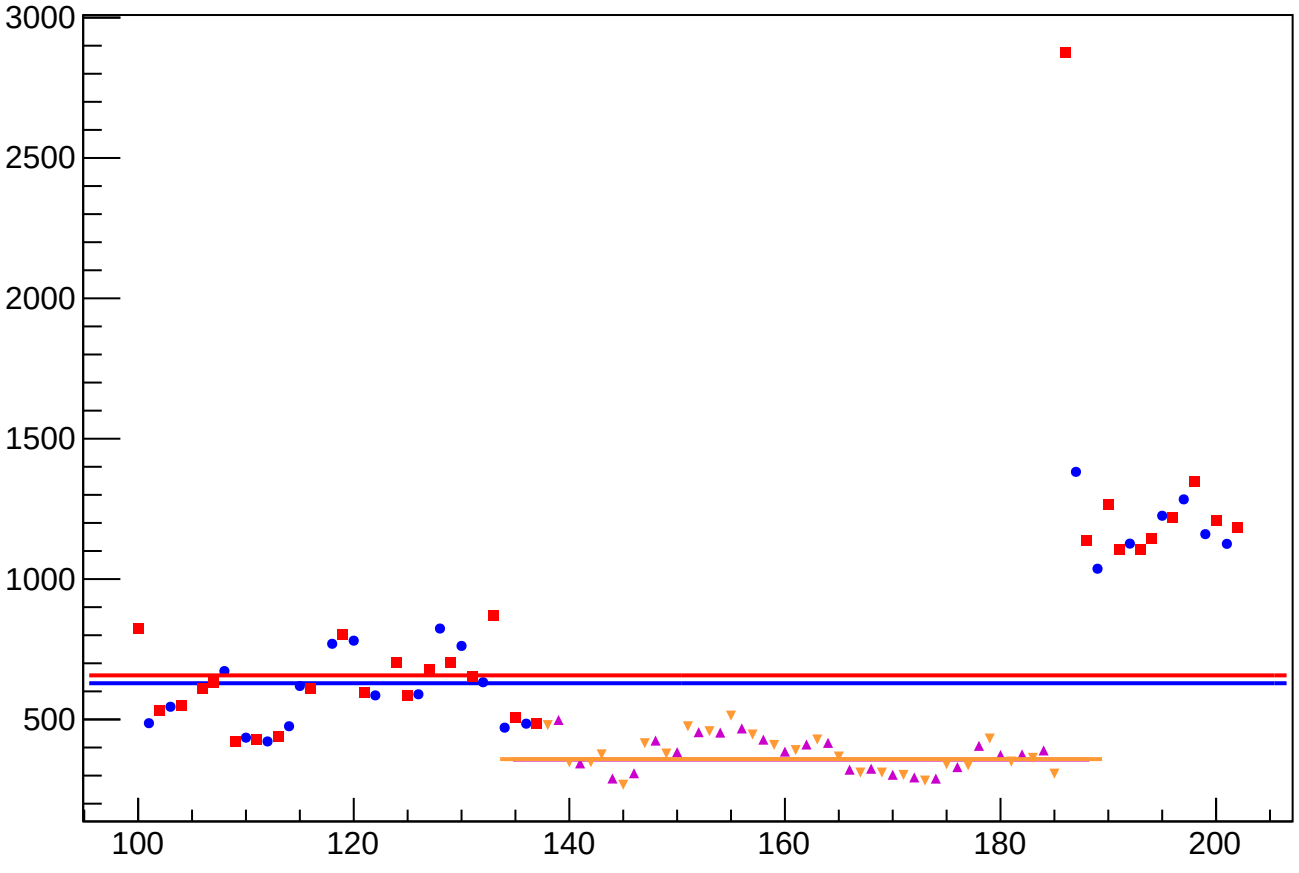
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 433.325+/-76.192 χ^2/NDF: 89.2/47

All: 262.966+/-54.261 χ^2/NDF: 147.1/99

- sign 87.649+/-77.294 χ^2/NDF: 47.7/51

asym_sam_1357_avg_rms vs Slug



Right In: 629.003+/-0.136 χ^2/NDF: 3135347.8/22

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

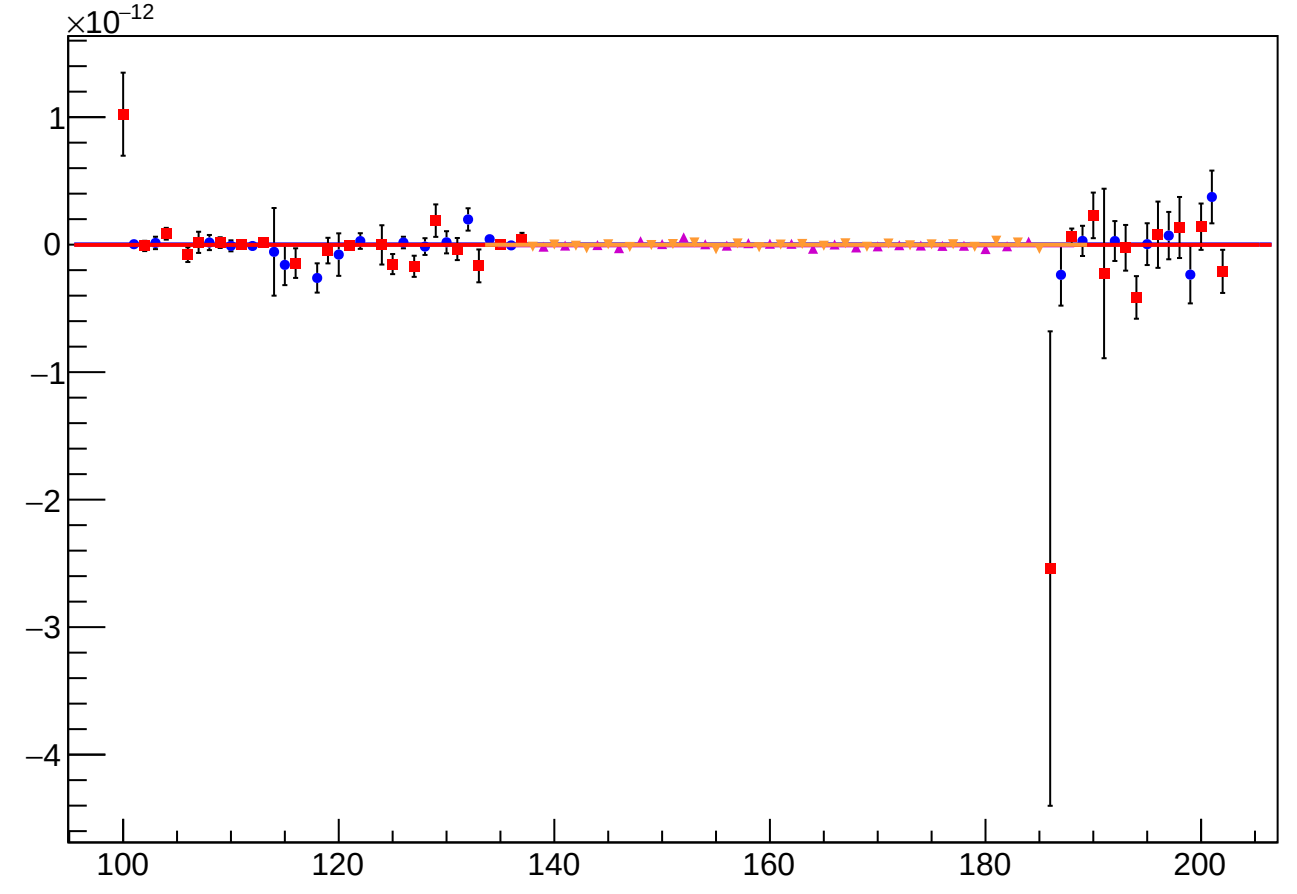
Right Out: 657.003+/-0.133 χ^2/NDF: 4339778.6/28

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 400.985+/-0.054 χ^2/NDF: 7578424.4/47

All: 404.488+/-0.038 χ^2/NDF: 17150596.6/99

- sign 408.092+/-0.055 χ^2/NDF: 9563596.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

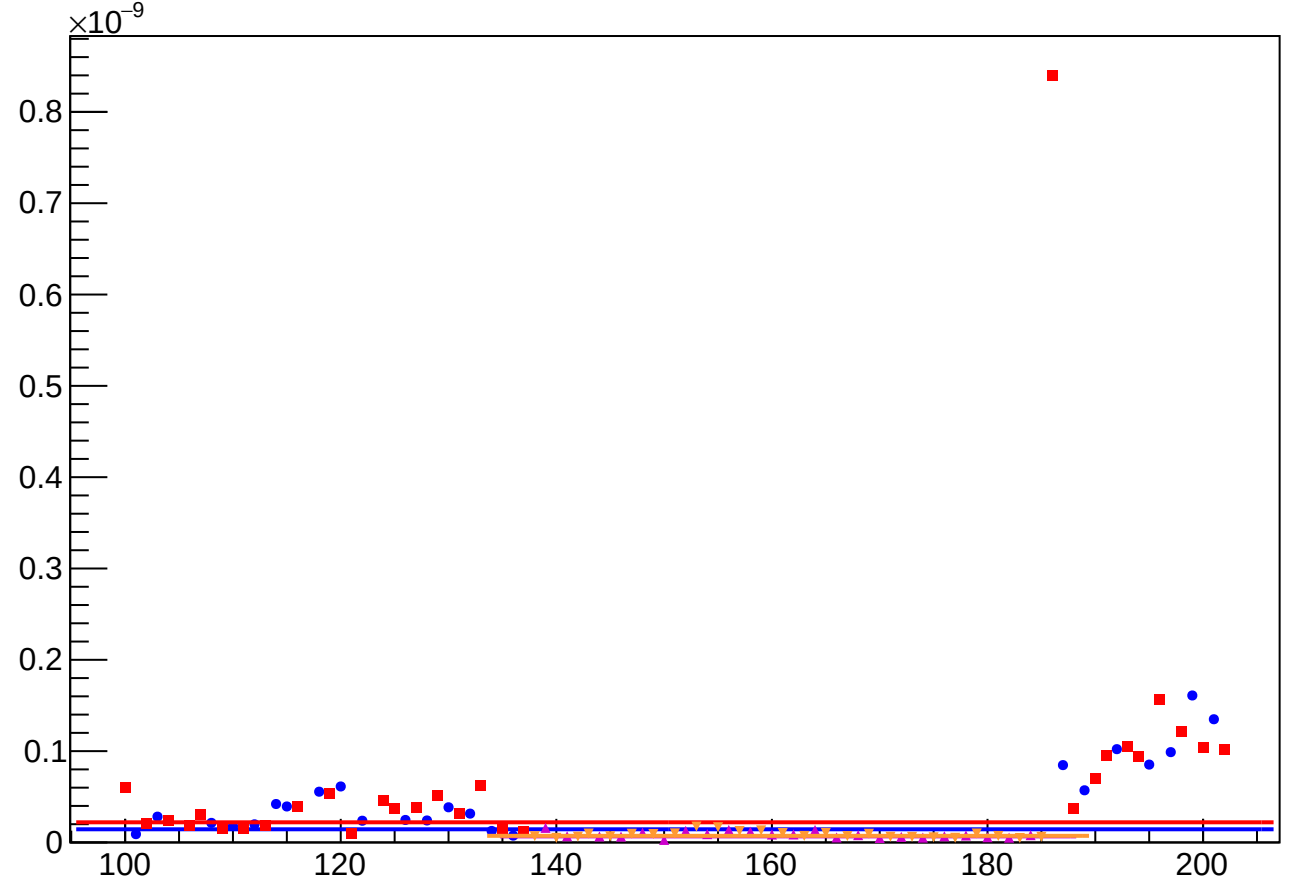
Right Out: -0.000+/-0.000 χ^2/NDF: 43.2/28

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.4/47

All: -0.000+/-0.000 χ^2/NDF: 110.8/99

- sign -0.000+/-0.000 χ^2/NDF: 71.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 5184517.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4667833.2/28

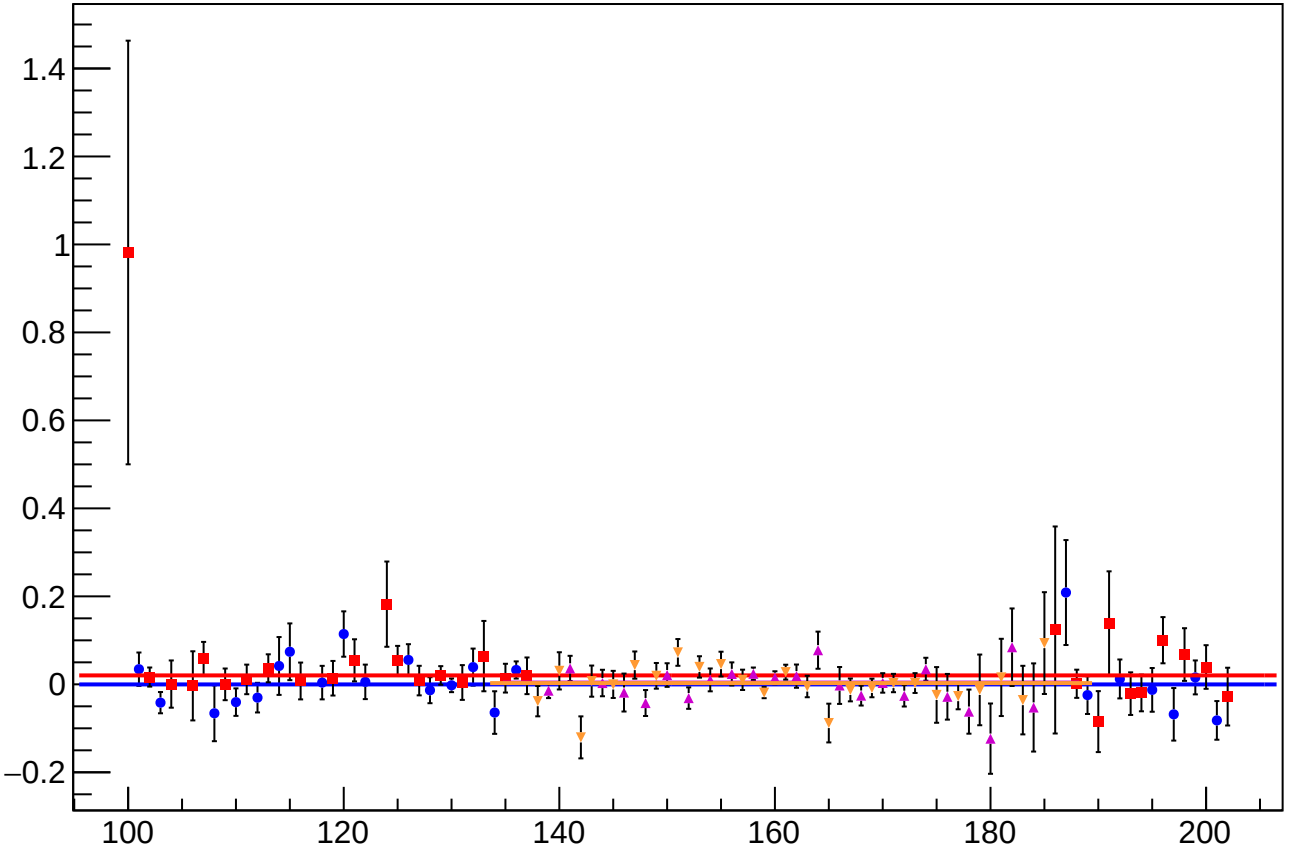
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7776795.3/47

All: 0.000+/-0.000 χ^2/NDF: 17454271.8/99

- sign 0.000+/-0.000 χ^2/NDF: 9654549.2/51

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.007 χ^2/NDF: 30.5/22

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.008 χ^2/NDF: 20.0/28

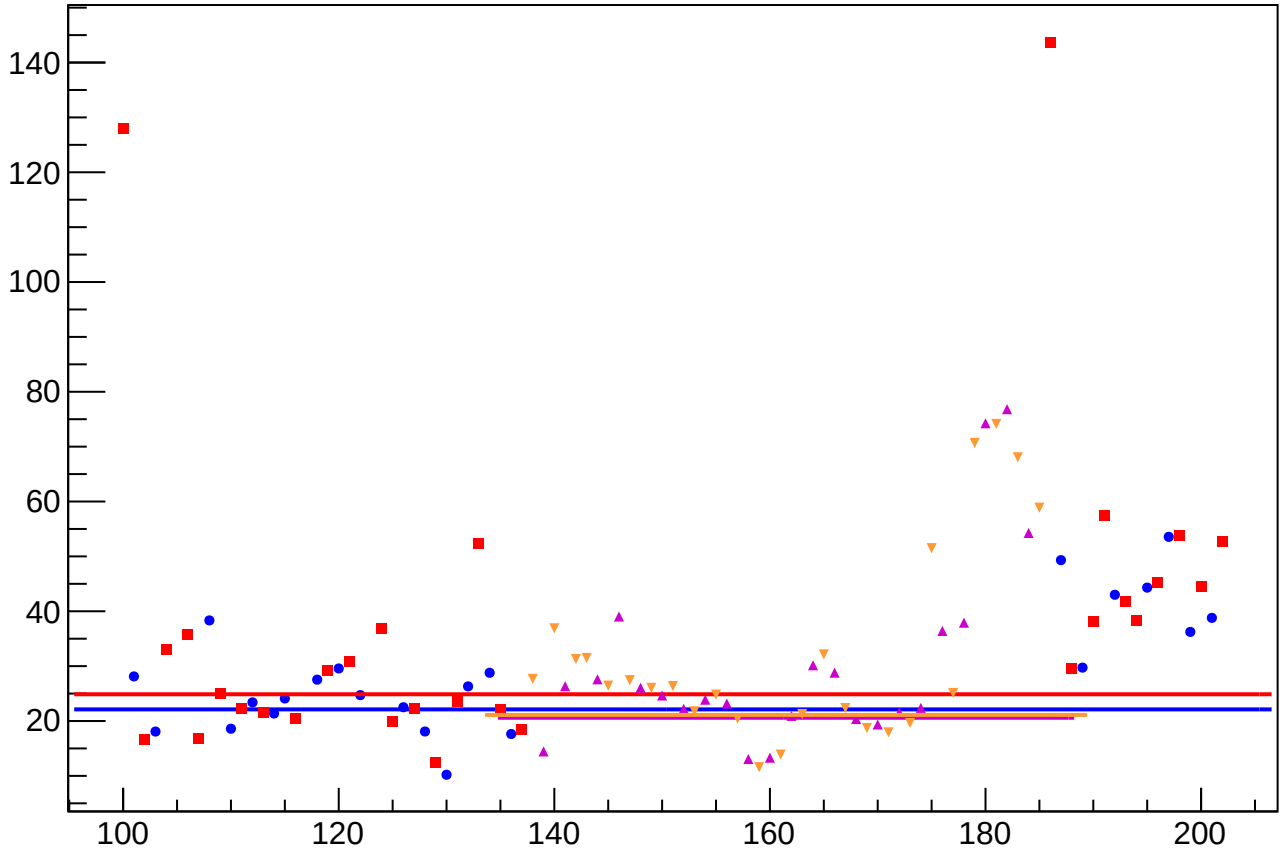
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 63.5/47

All: 0.006+/-0.003 χ^2/NDF: 112.7/99

- sign 0.010+/-0.004 χ^2/NDF: 47.6/51

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 22.118+/-0.005 χ^2/NDF: 3850017.7/22

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

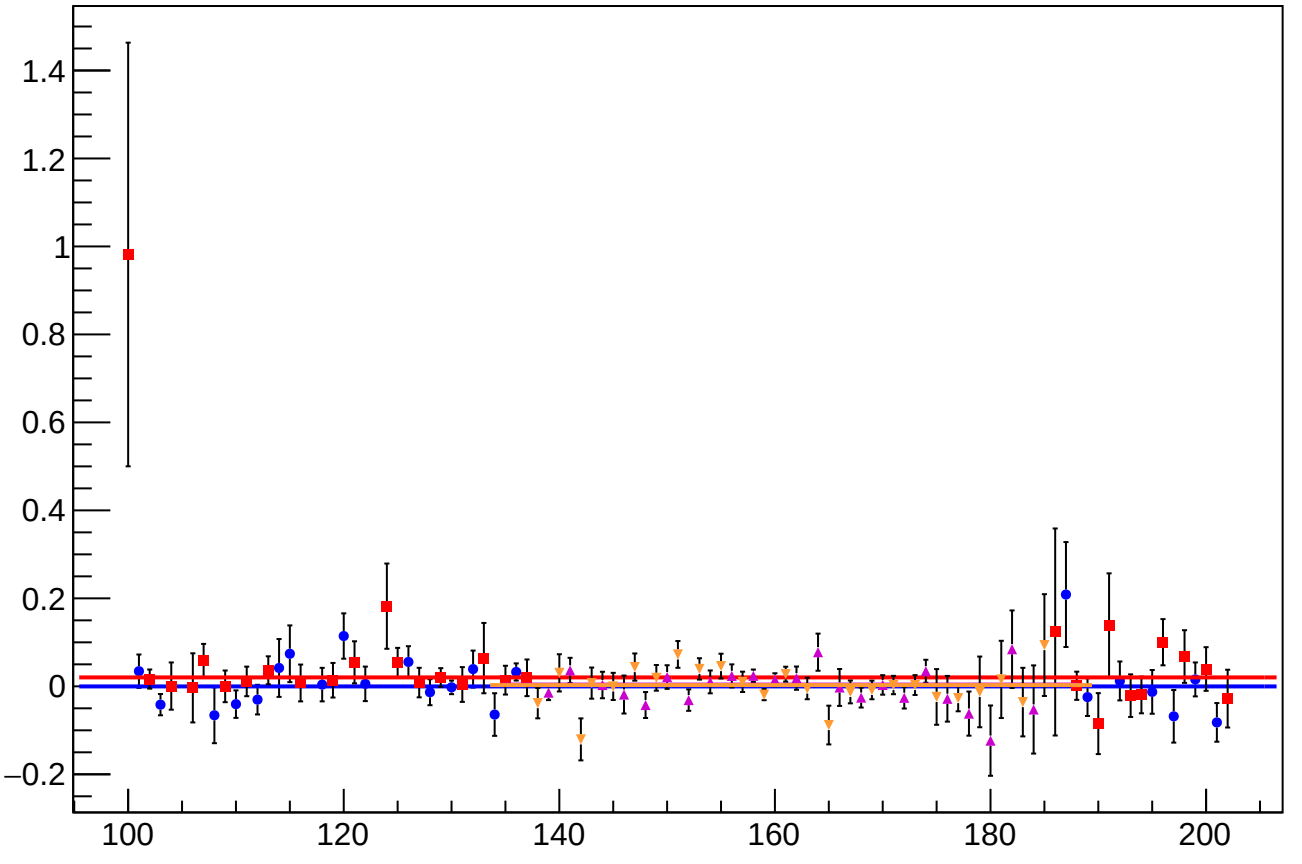
Right Out: 24.876+/-0.005 χ^2/NDF: 4424968.2/28

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.478+/-0.003 χ^2/NDF: 9421621.0/47

All: 21.762+/-0.002 χ^2/NDF: 18887930.1/99

- sign 22.055+/-0.003 χ^2/NDF: 9448942.8/51



Right In: -0.000+/-0.007 χ^2/NDF: 30.5/22

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

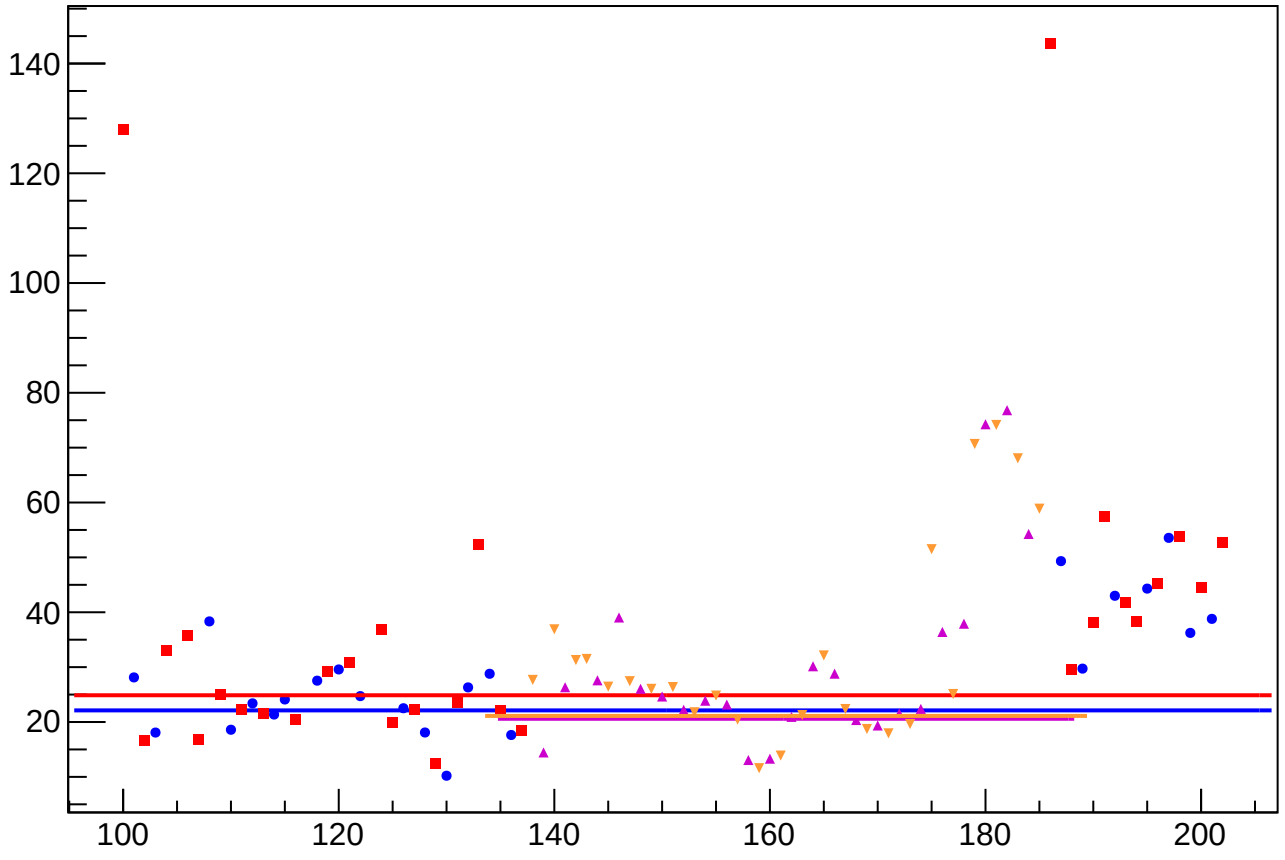
Right Out: 0.020+/-0.008 χ^2/NDF: 20.0/28

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 63.5/47

All: 0.006+/-0.003 χ^2/NDF: 112.7/99

- sign 0.010+/-0.004 χ^2/NDF: 47.6/51



Right In: 22.118+/-0.005 χ^2/NDF: 3850017.7/22

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

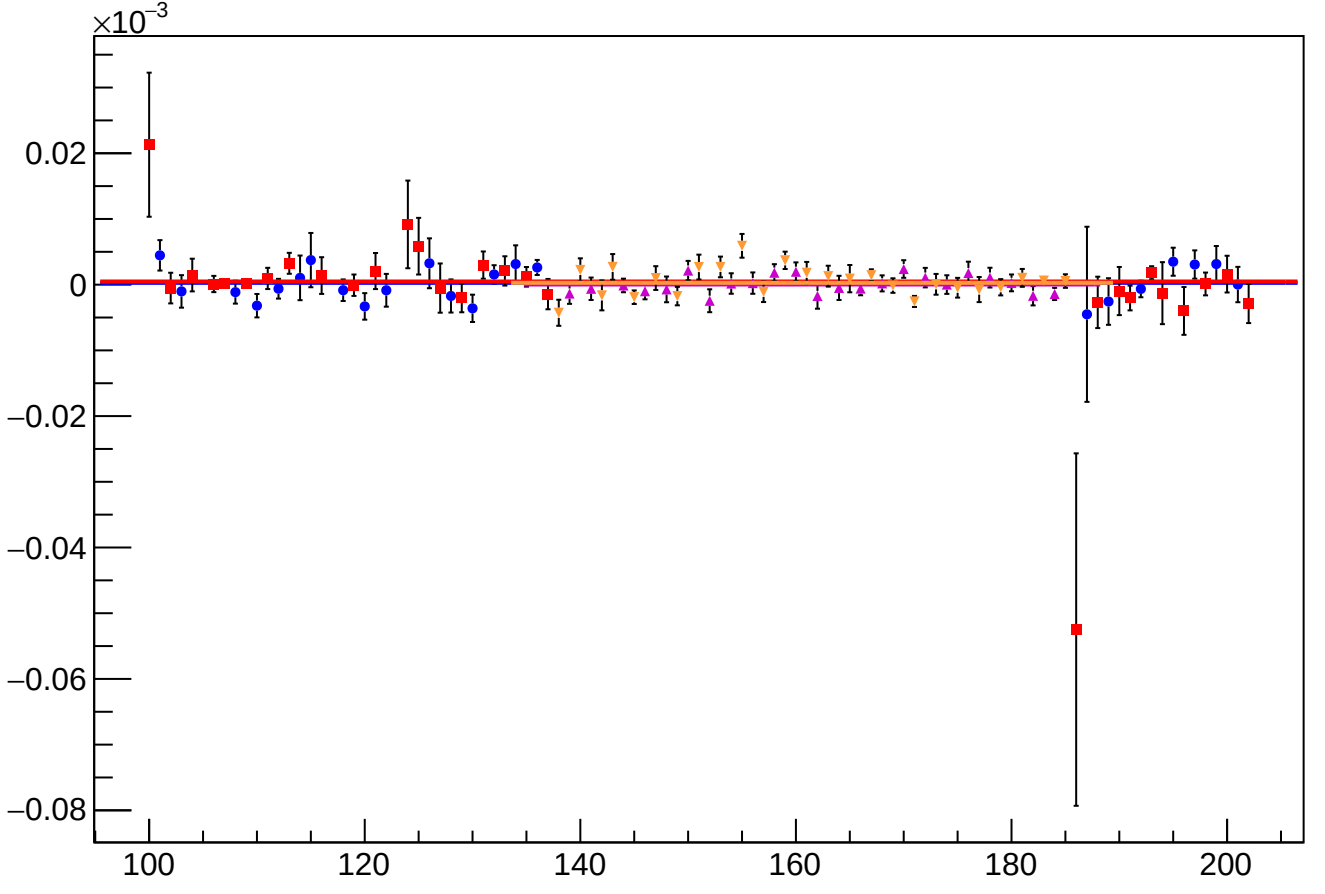
Right Out: 24.876+/-0.005 χ^2/NDF: 4424968.2/28

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.478+/-0.003 χ^2/NDF: 9421621.0/47

All: 21.762+/-0.002 χ^2/NDF: 18887930.1/99

- sign 22.055+/-0.003 χ^2/NDF: 9448942.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

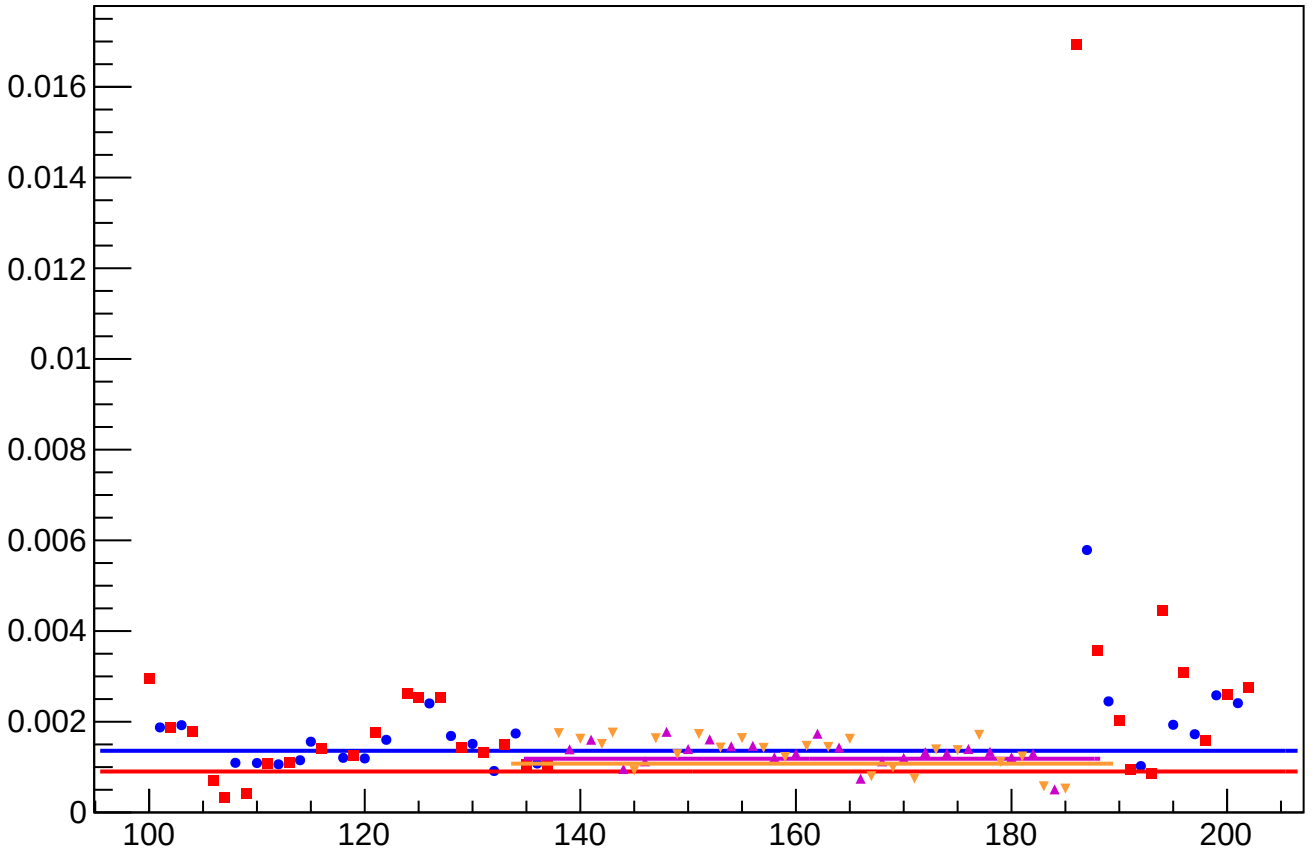
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/28

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.7/47

All: 0.000+/-0.000 χ^2/NDF: 130.8/99

- sign 0.000+/-0.000 χ^2/NDF: 48.1/51



Right In: 0.001+/-0.000 χ^2/NDF: 2446099.9/22

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

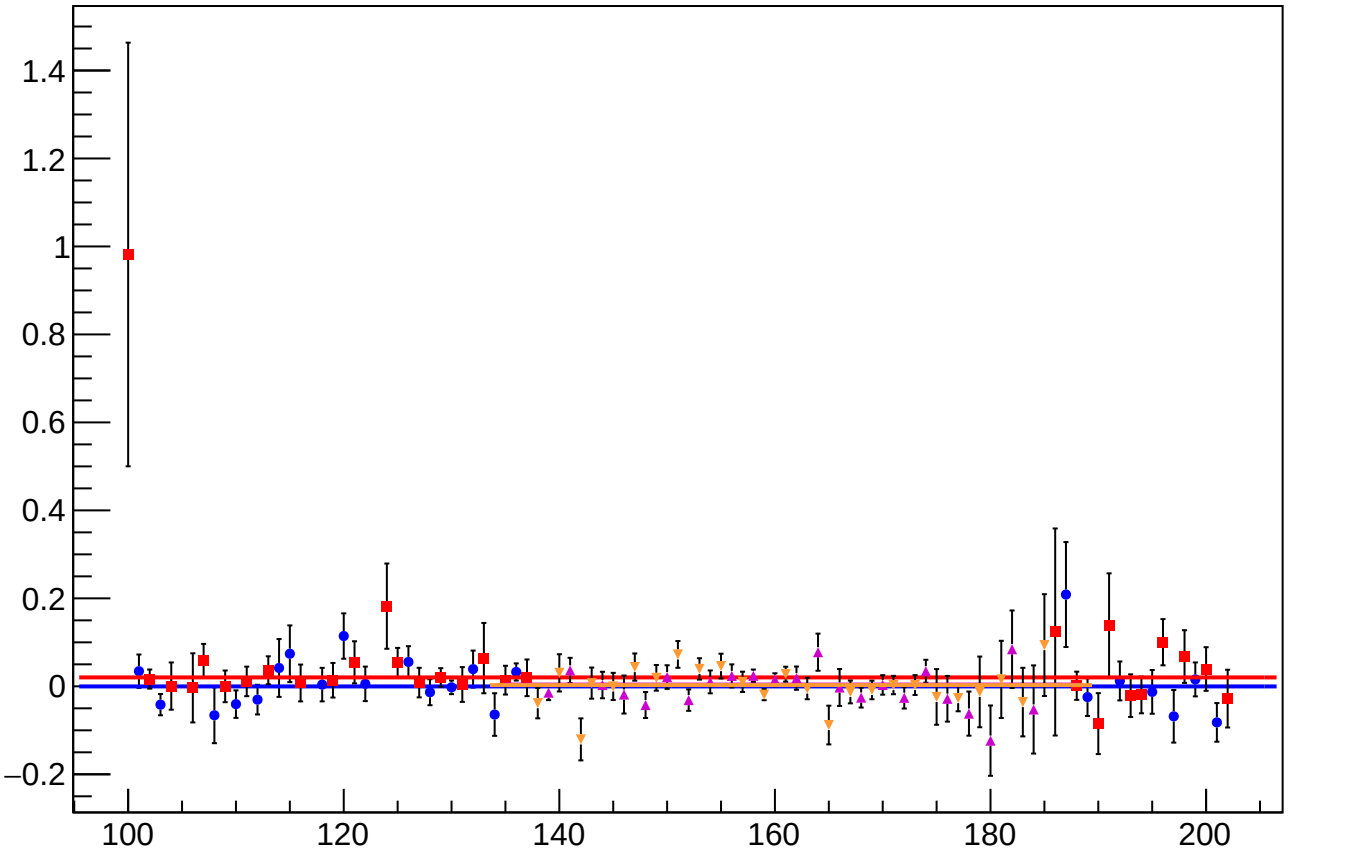
Right Out: 0.001+/-0.000 χ^2/NDF: 10545987.4/28

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 7641636.7/47

All: 0.001+/-0.000 χ^2/NDF: 21782445.2/99

- sign 0.001+/-0.000 χ^2/NDF: 13905766.7/51



Right In: -0.000+/-0.007 χ^2/NDF: 30.5/22

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

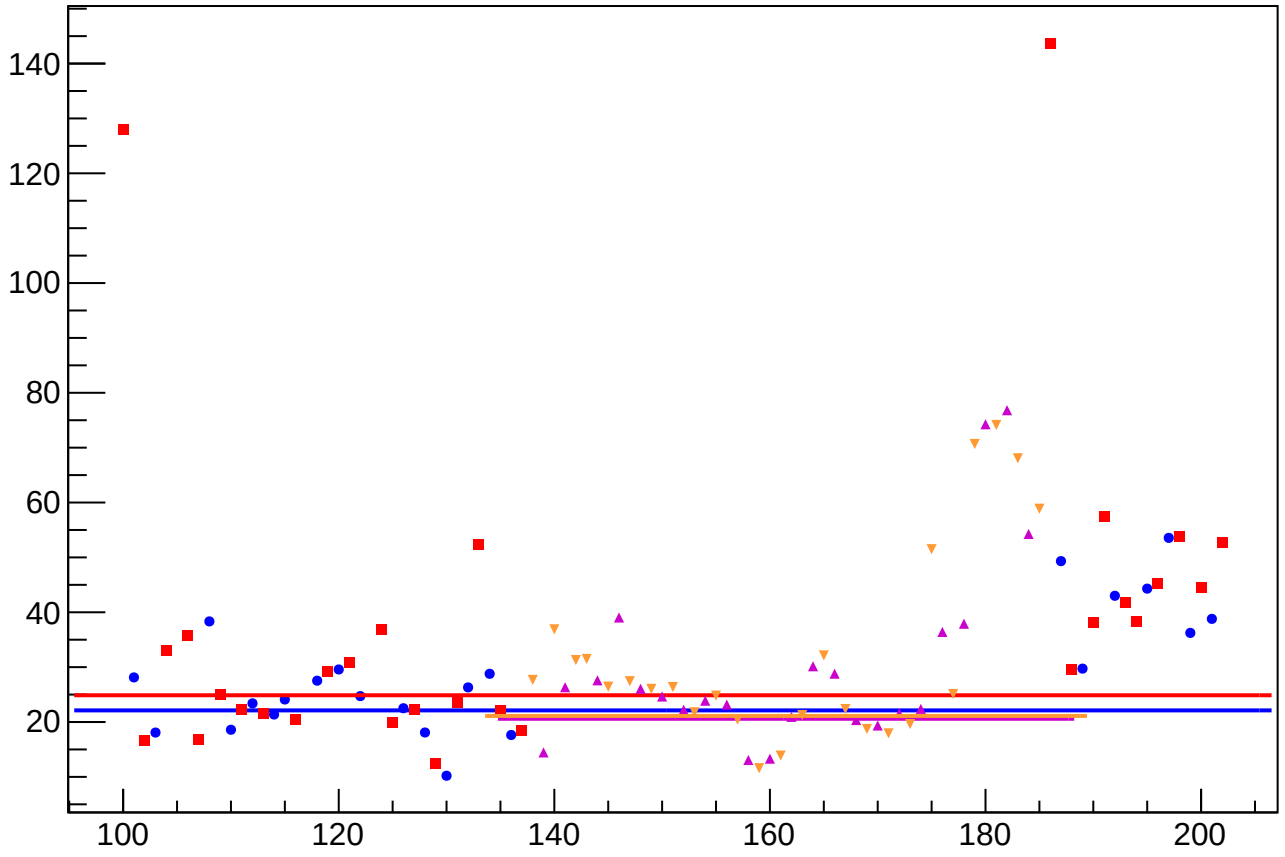
Right Out: 0.020+/-0.008 χ^2/NDF: 20.0/28

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 63.5/47

All: 0.006+/-0.003 χ^2/NDF: 112.7/99

- sign 0.010+/-0.004 χ^2/NDF: 47.6/51



Right In: 22.118+/-0.005 χ^2/NDF: 3849809.6/22

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

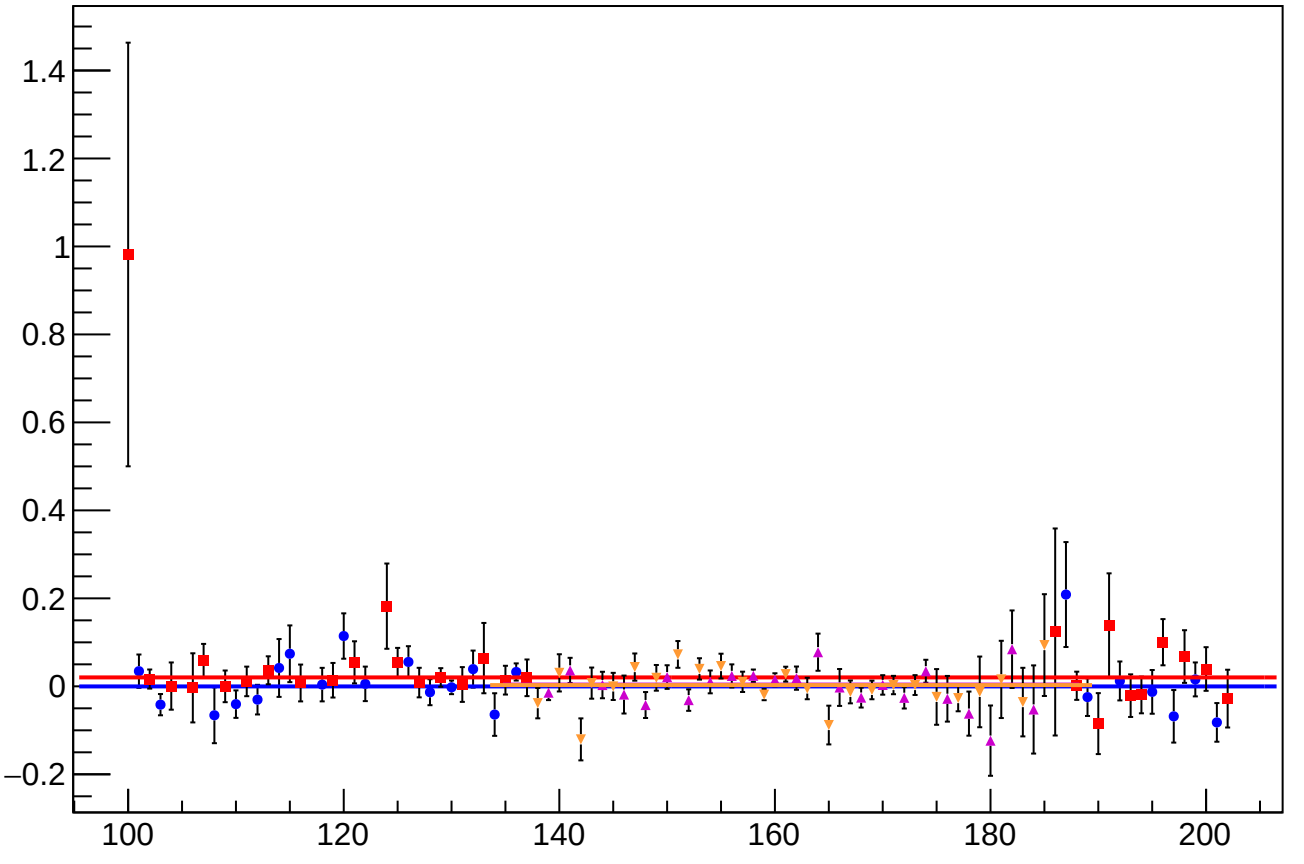
Right Out: 24.876+/-0.005 χ^2/NDF: 4424953.0/28

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.478+/-0.003 χ^2/NDF: 9421566.7/47

All: 21.762+/-0.002 χ^2/NDF: 18887861.5/99

- sign 22.055+/-0.003 χ^2/NDF: 9448926.2/51



Right In: -0.000+/-0.007 χ^2/NDF: 30.5/22

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

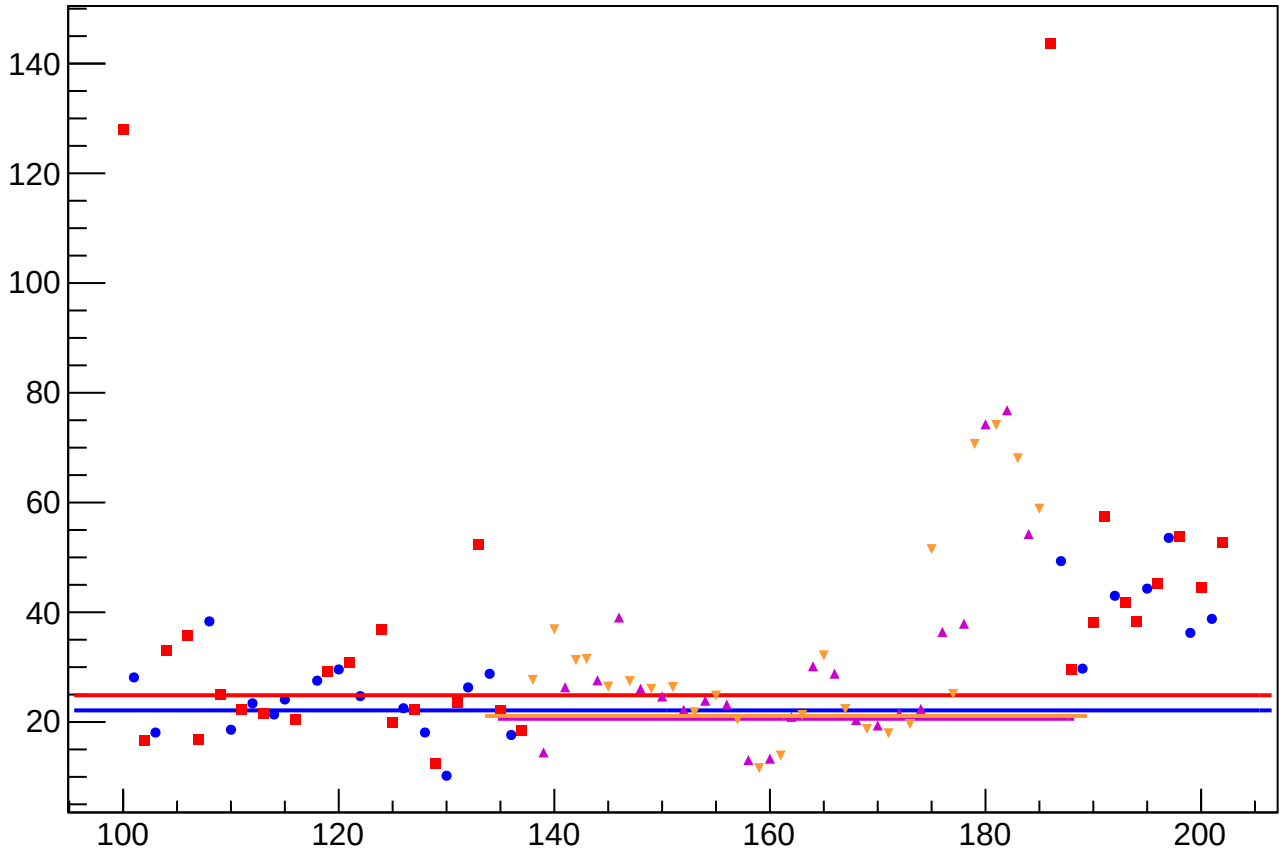
Right Out: 0.020+/-0.008 χ^2/NDF: 20.0/28

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 63.5/47

All: 0.006+/-0.003 χ^2/NDF: 112.7/99

- sign 0.010+/-0.004 χ^2/NDF: 47.6/51



Right In: 22.118+/-0.005 χ^2/NDF: 3849809.6/22

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

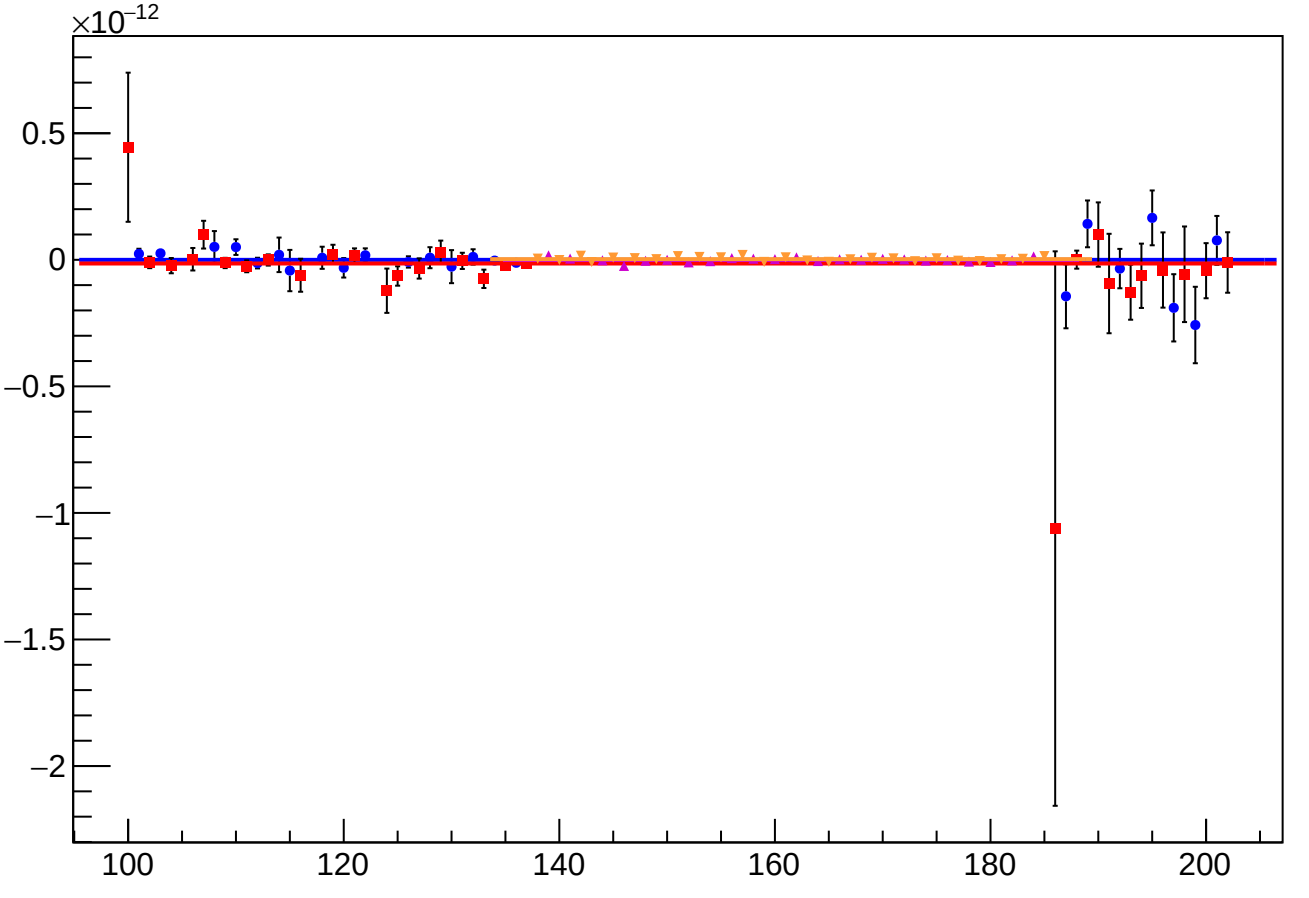
Right Out: 24.876+/-0.005 χ^2/NDF: 4424953.0/28

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.478+/-0.003 χ^2/NDF: 9421566.7/47

All: 21.762+/-0.002 χ^2/NDF: 18887861.5/99

- sign 22.055+/-0.003 χ^2/NDF: 9448926.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

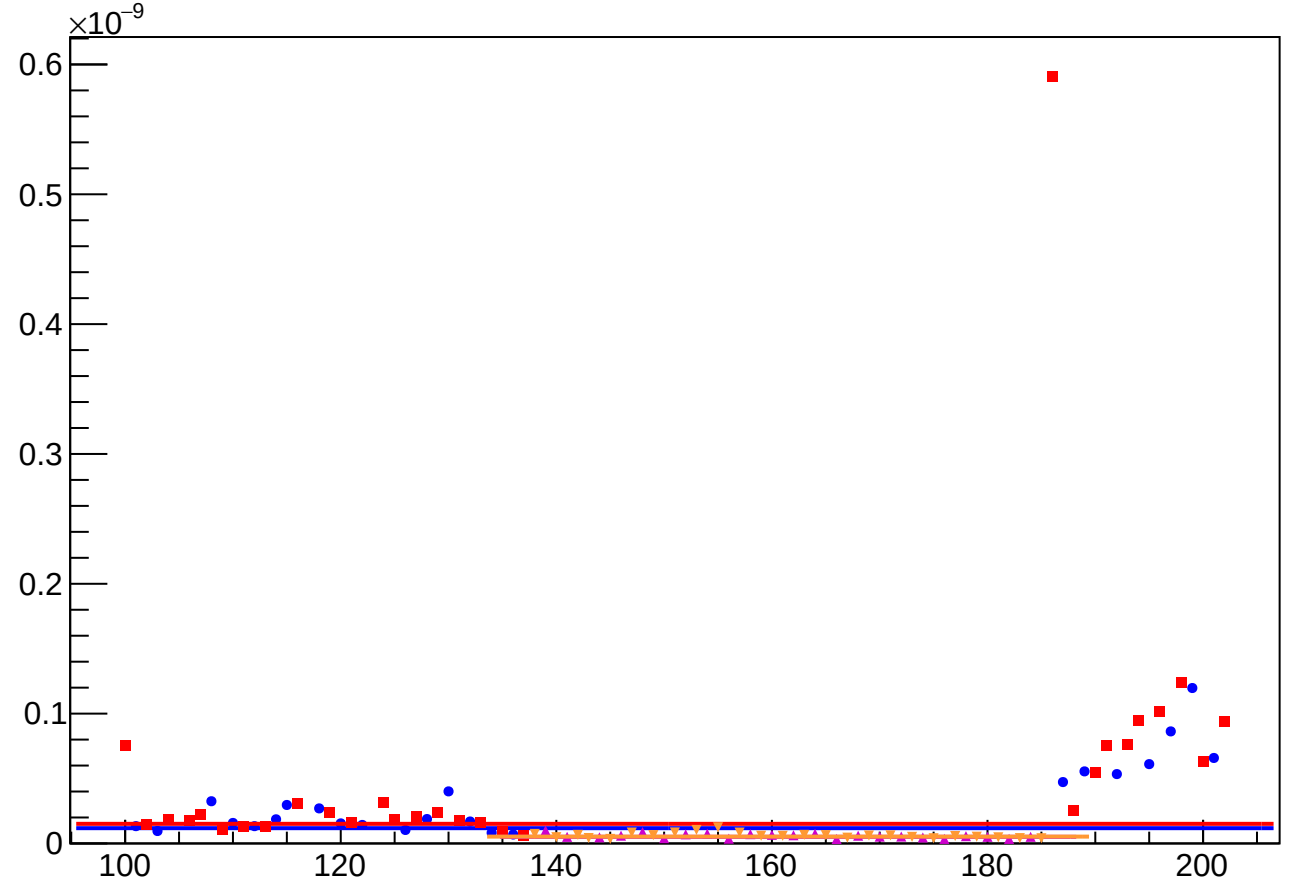
Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/28

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/47

All: 0.000+/-0.000 χ^2/NDF: 93.6/99

- sign -0.000+/-0.000 χ^2/NDF: 46.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 5779752.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6655274.7/28

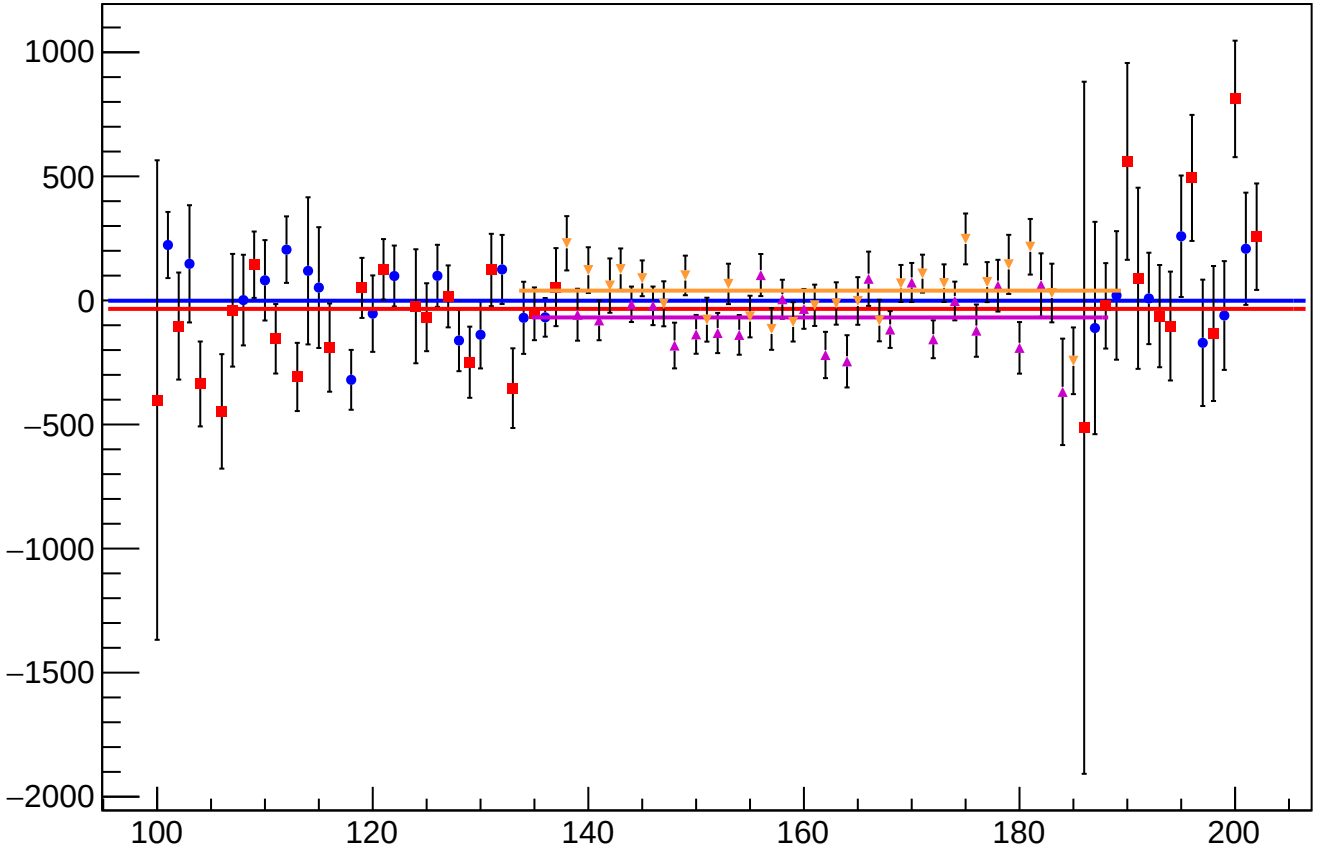
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10382428.1/47

All: 0.000+/-0.000 χ^2/NDF: 23424589.9/99

- sign 0.000+/-0.000 χ^2/NDF: 13038145.5/51

reg_asym_sam_2468_avg_mean vs Slug



Right In: -1.189+/-32.058 χ^2/NDF: 21.5/22

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -34.073+/-31.892 χ^2/NDF: 45.9/28

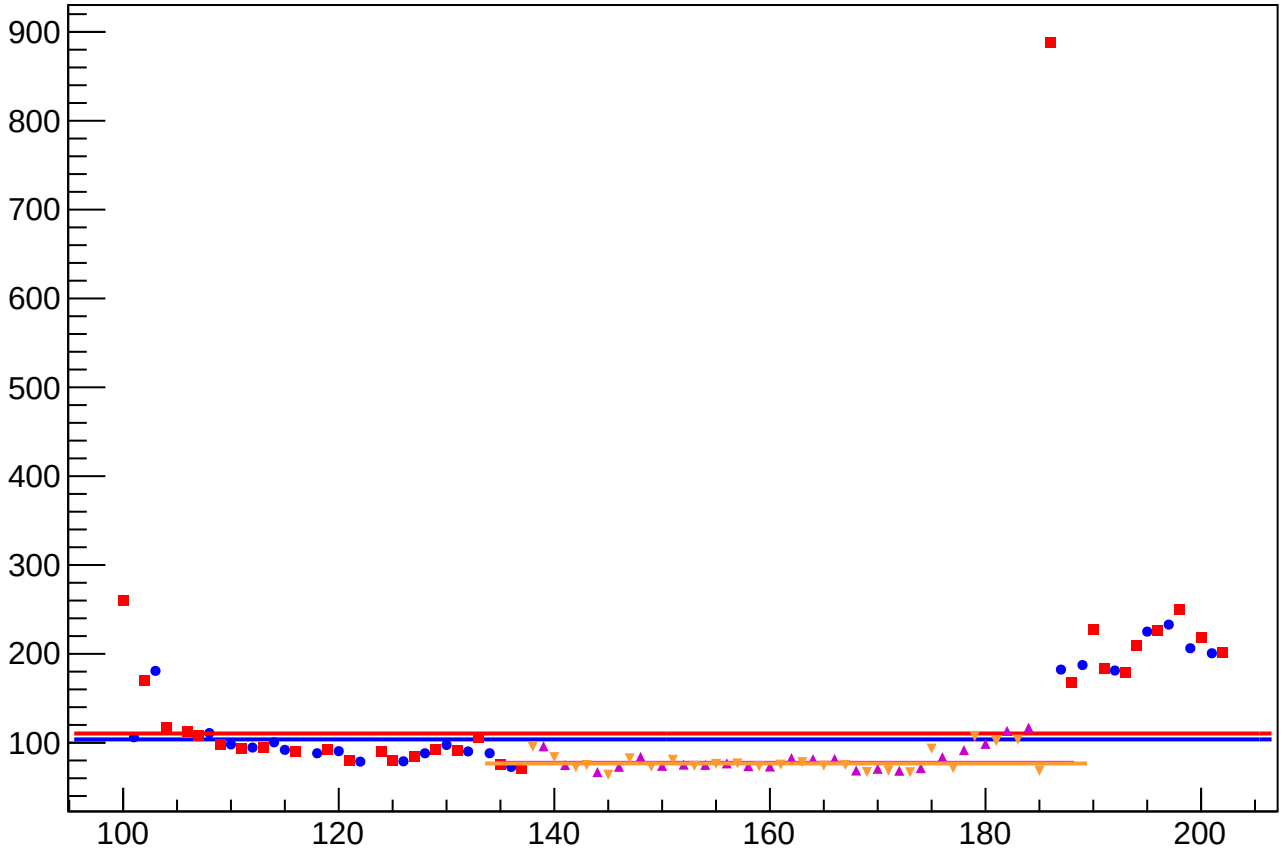
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.005+/-15.472 χ^2/NDF: 54.7/47

All: -13.842+/-11.083 χ^2/NDF: 147.0/99

- sign -60.050+/-15.884 χ^2/NDF: 75.8/51

reg_asym_sam_2468_avg_rms vs Slug



Right In: 103.723+/-0.023 χ^2/NDF: 3280127.6/22

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

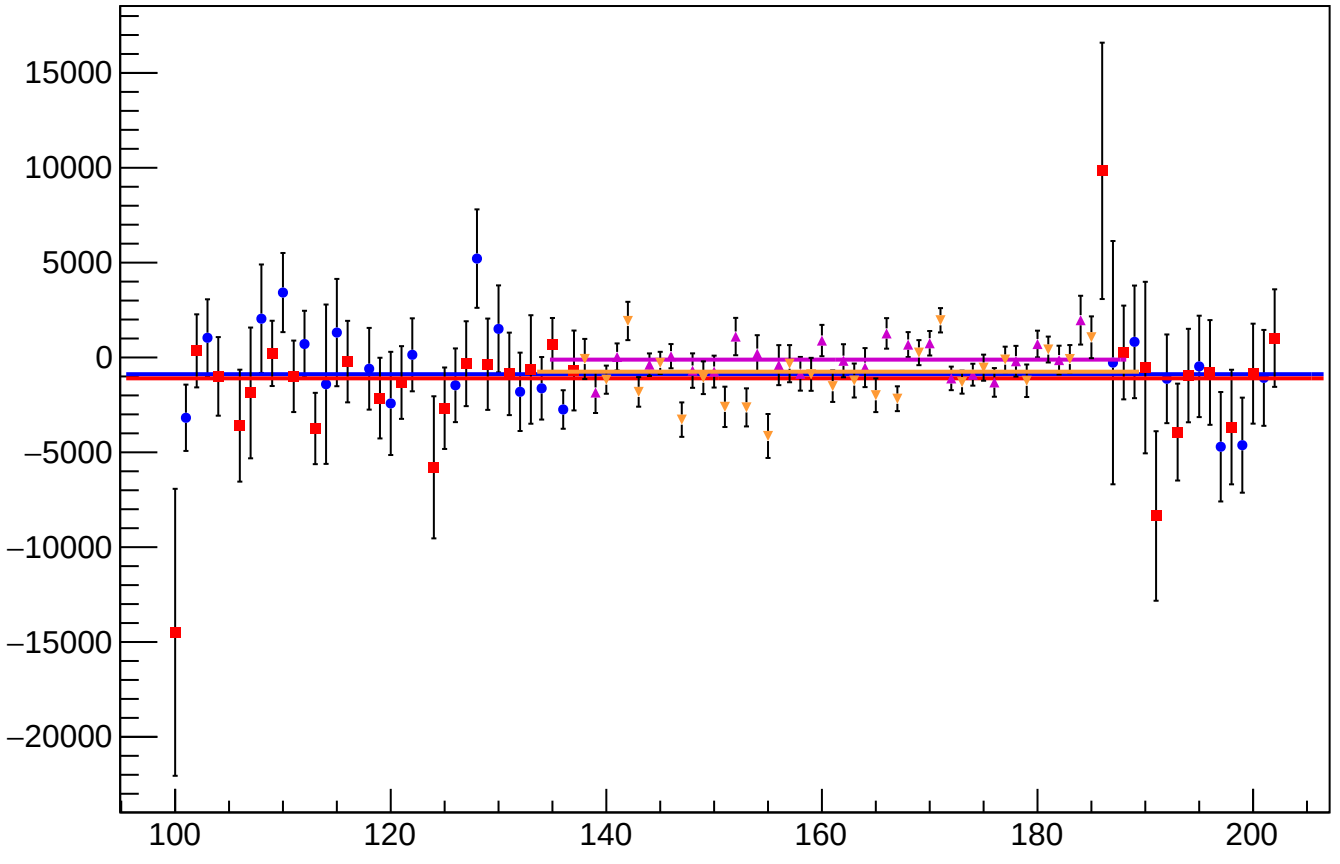
Right Out: 110.356+/-0.023 χ^2/NDF: 4549272.0/28

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 82.954+/-0.011 χ^2/NDF: 5029138.5/47

All: 84.211+/-0.008 χ^2/NDF: 11806939.9/99

- sign 85.536+/-0.011 χ^2/NDF: 6750676.0/51



Right In: -881.904+/-441.853 χ^2/NDF: 24.8/22

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1099.933+/-438.628 χ^2/NDF: 19.7/28

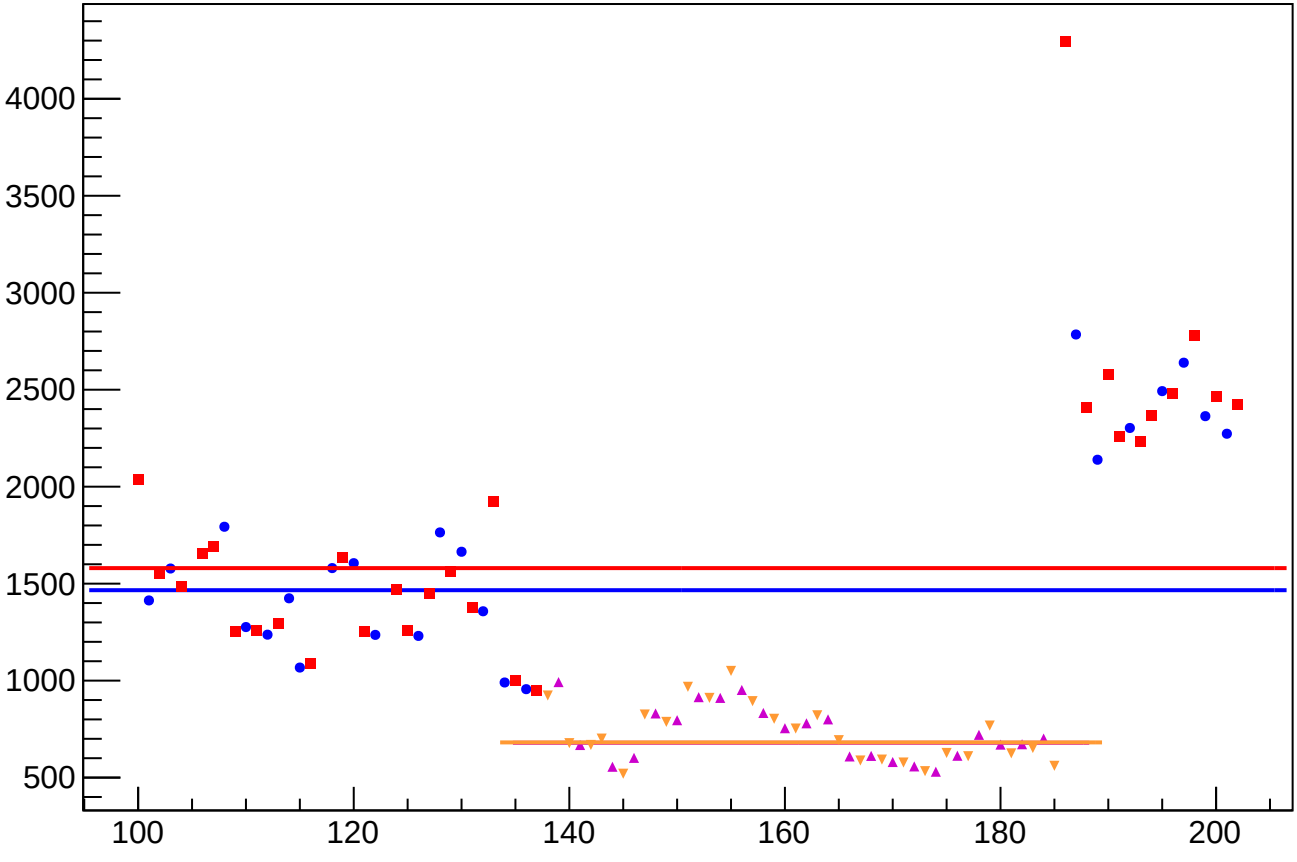
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -764.649+/-148.842 χ^2/NDF: 94.9/47

All: -503.543+/-106.281 χ^2/NDF: 150.3/99

- sign -231.923+/-151.809 χ^2/NDF: 49.2/51

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1466.257+/-0.312 χ^2/NDF: 2441158.9/22

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1580.093+/-0.310 χ^2/NDF: 2970675.6/28

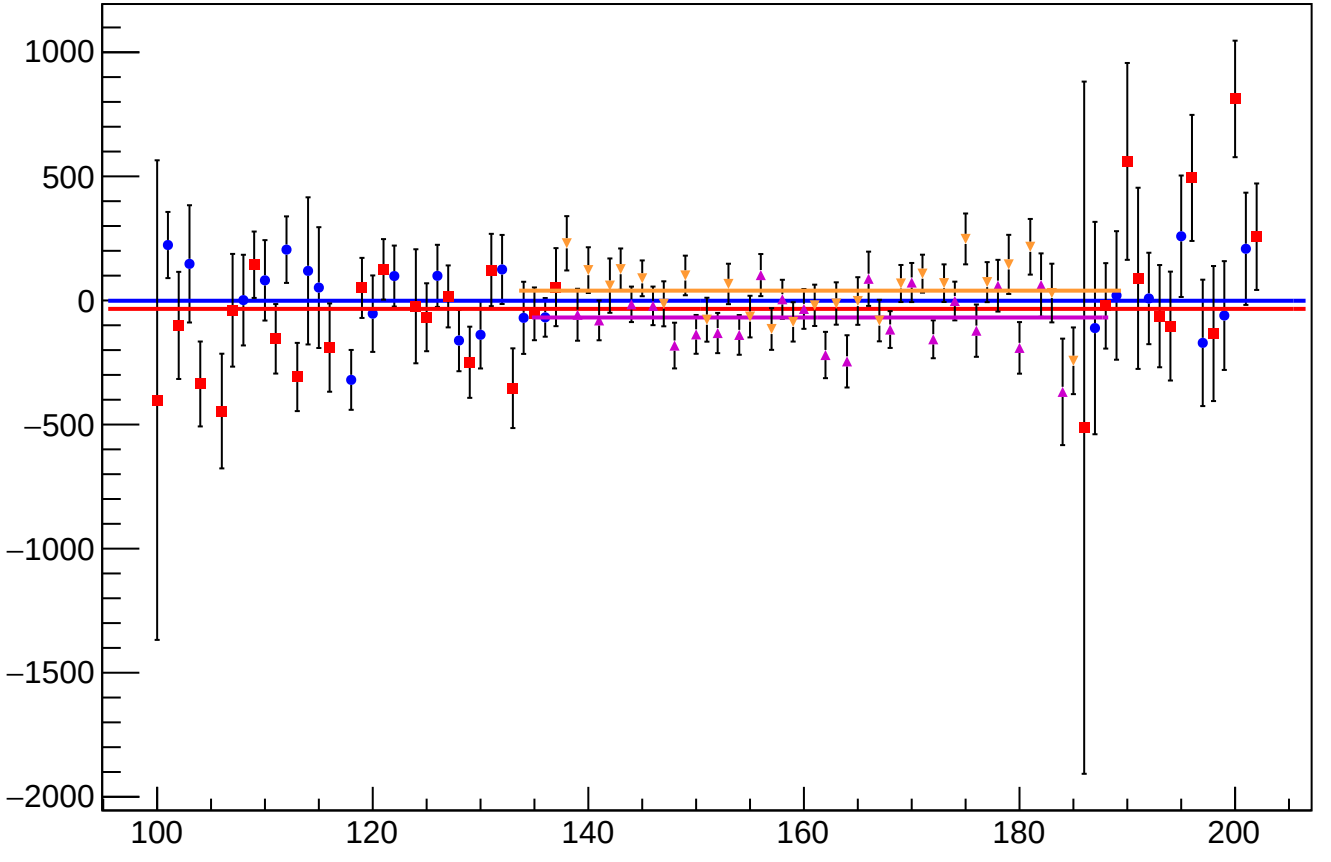
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 770.484+/-0.105 χ^2/NDF: 9369315.8/47

All: 778.727+/-0.075 χ^2/NDF: 20960560.5/99

- sign 787.301+/-0.107 χ^2/NDF: 11578731.0/51

cor_asym_sam_2468_avg_mean vs Slug



Right In: -1.199+/-32.058 χ^2/NDF: 21.5/22

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -33.951+/-31.894 χ^2/NDF: 45.8/28

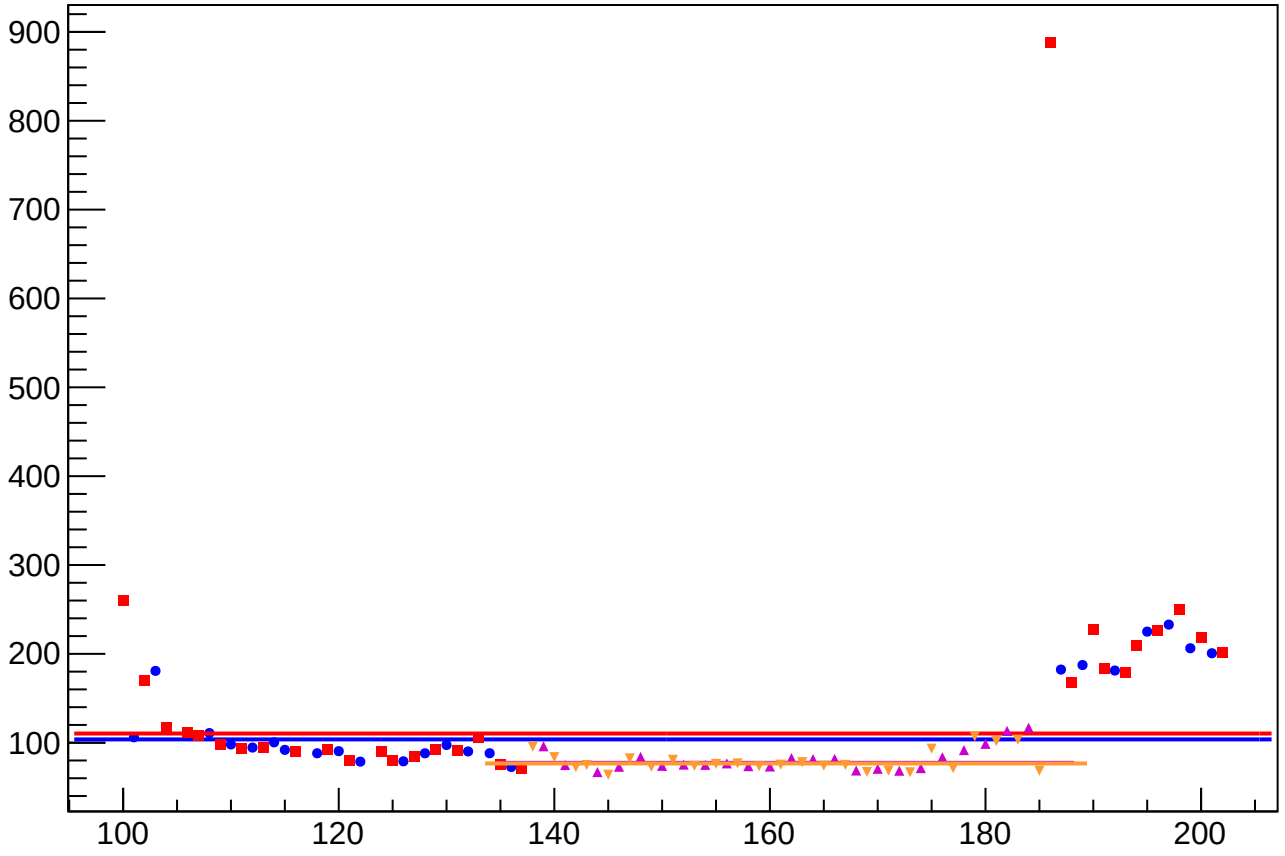
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.008+/-15.472 χ^2/NDF: 54.7/47

All: -13.825+/-11.083 χ^2/NDF: 146.9/99

- sign -60.021+/-15.884 χ^2/NDF: 75.7/51

cor_asym_sam_2468_avg_rms vs Slug



Right In: 103.723+/-0.023 χ^2/NDF: 3280131.2/22

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

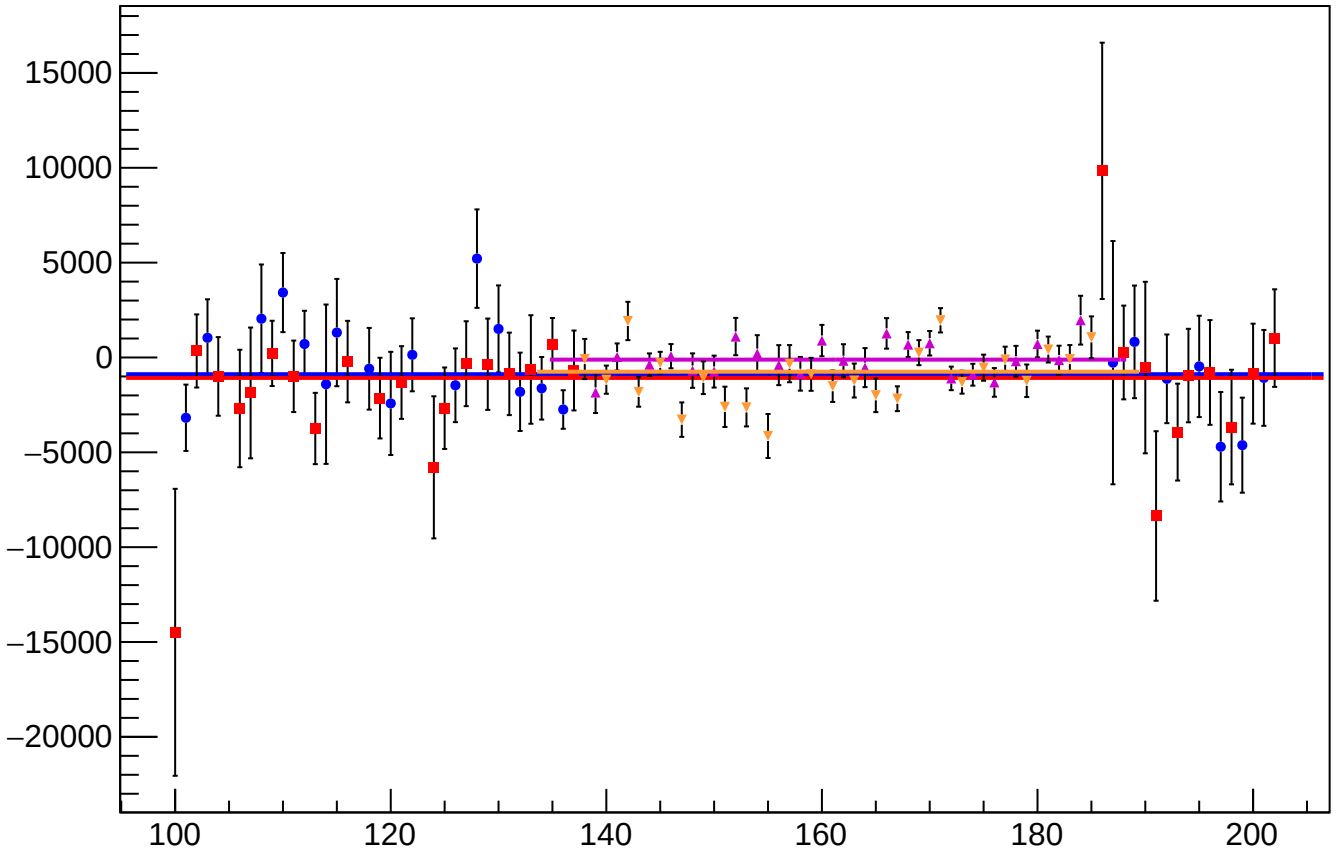
Right Out: 110.331+/-0.023 χ^2/NDF: 4549348.2/28

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 82.954+/-0.011 χ^2/NDF: 5029142.0/47

All: 84.208+/-0.008 χ^2/NDF: 11804337.0/99

- sign 85.529+/-0.011 χ^2/NDF: 6748211.3/51



Right In: -881.873+/-441.854 χ^2/NDF: 24.8/22

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

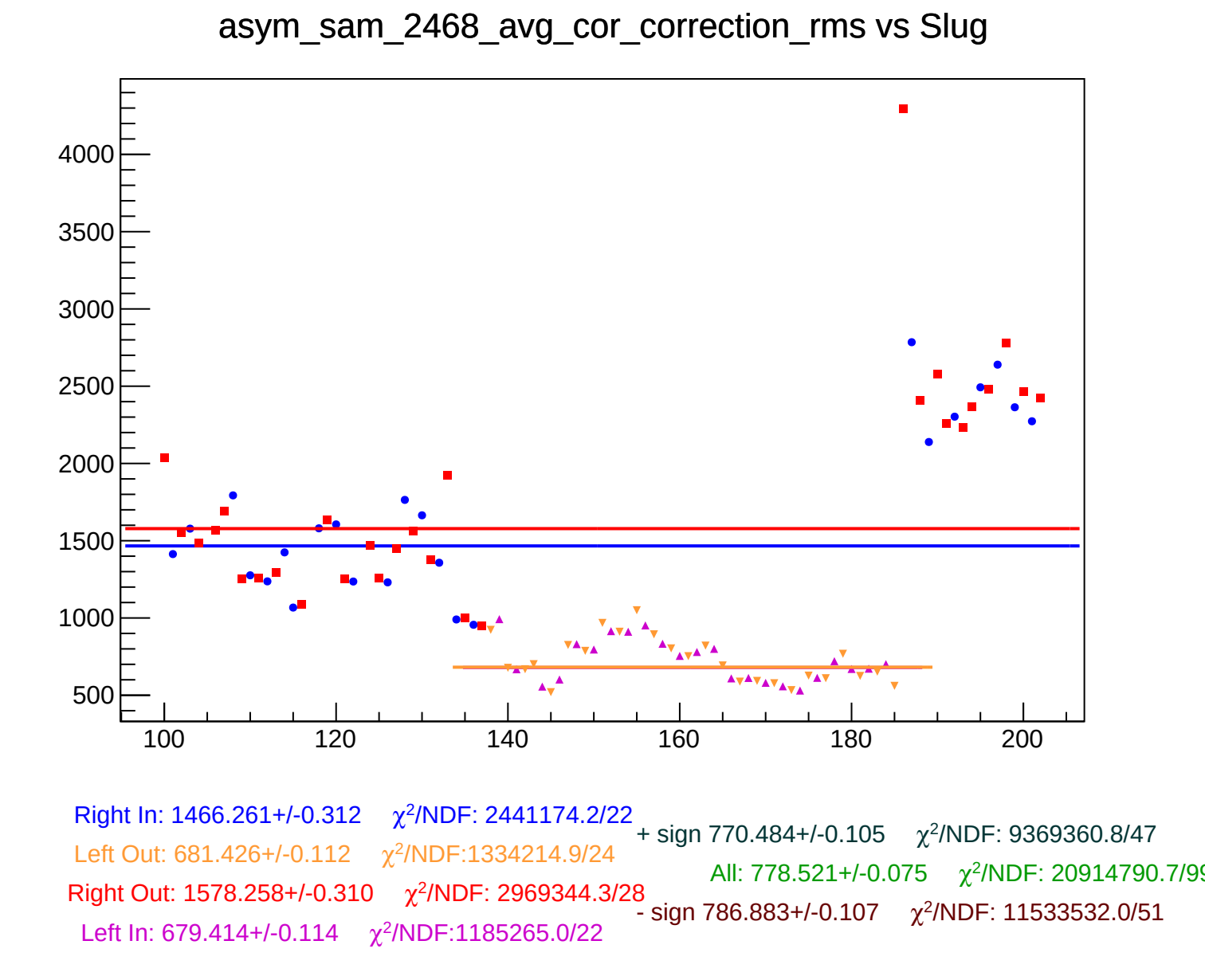
Right Out: -1077.102+/-439.088 χ^2/NDF: 19.2/28

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

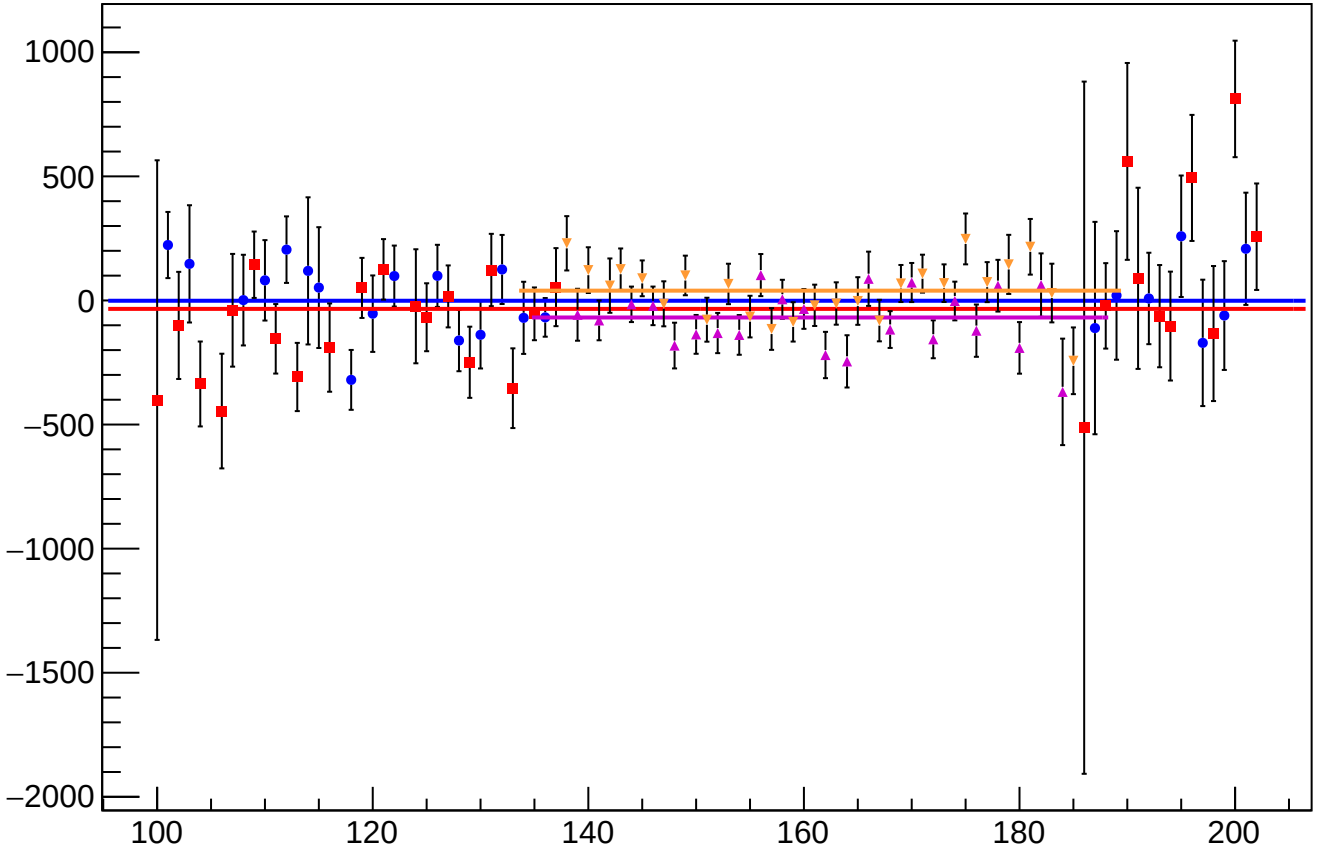
+ sign -764.638+/-148.842 χ^2/NDF: 94.9/47

All: -502.126+/-106.287 χ^2/NDF: 149.7/99

- sign -228.976+/-151.828 χ^2/NDF: 48.5/51


asym_sam_2468_avg_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1466.261+/-0.312 χ²/NDF: 2441174.2/22
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1578.258+/-0.310 χ²/NDF: 2969344.3/28
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
+ sign 770.484+/-0.105 χ²/NDF: 9369360.8/47
All: 778.521+/-0.075 χ²/NDF: 20914790.7/99
- sign 786.883+/-0.107 χ²/NDF: 11533532.0/51

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -1.199+/-32.058 χ^2/NDF: 21.5/22

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -33.951+/-31.894 χ^2/NDF: 45.8/28

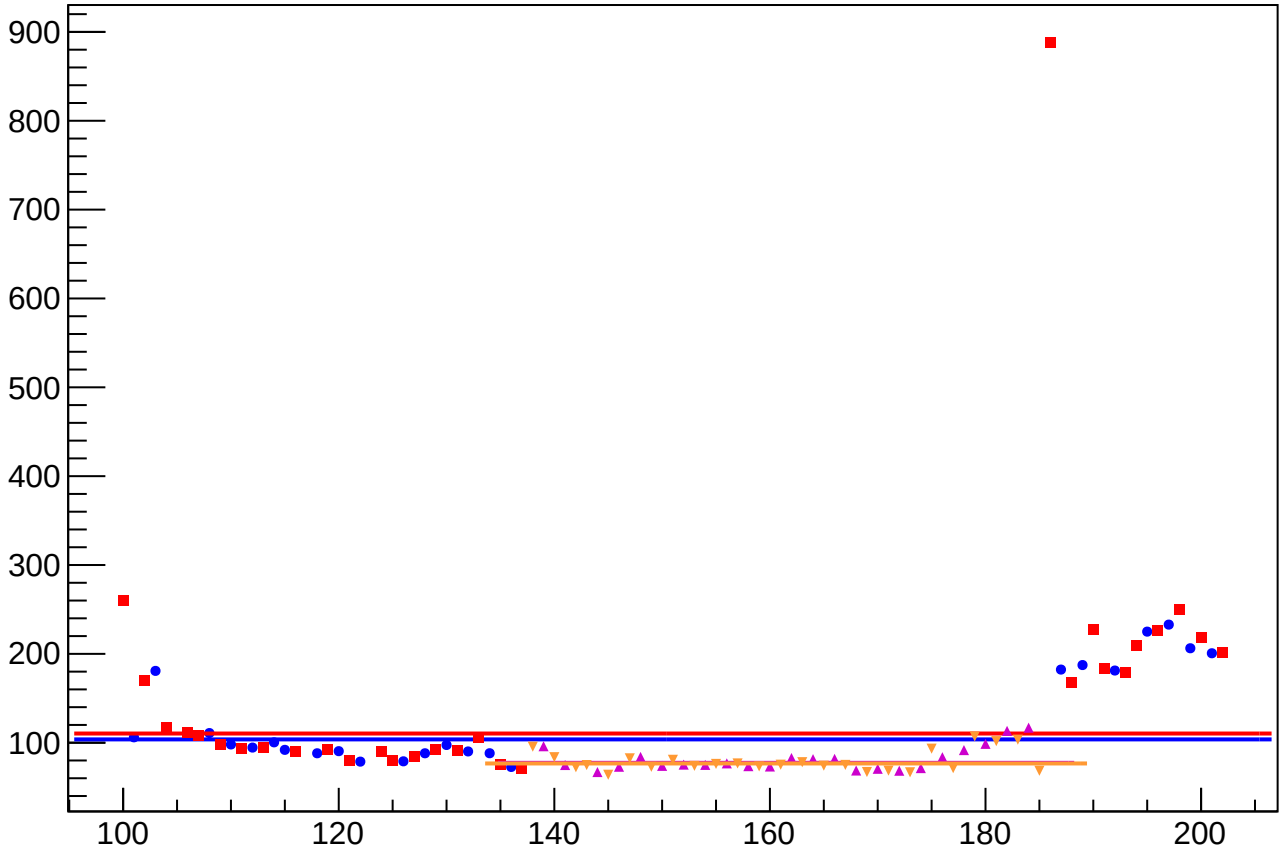
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.008+/-15.472 χ^2/NDF: 54.7/47

All: -13.825+/-11.083 χ^2/NDF: 146.9/99

- sign -60.021+/-15.884 χ^2/NDF: 75.7/51

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 103.723+/-0.023 χ^2/NDF: 3280131.2/22

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

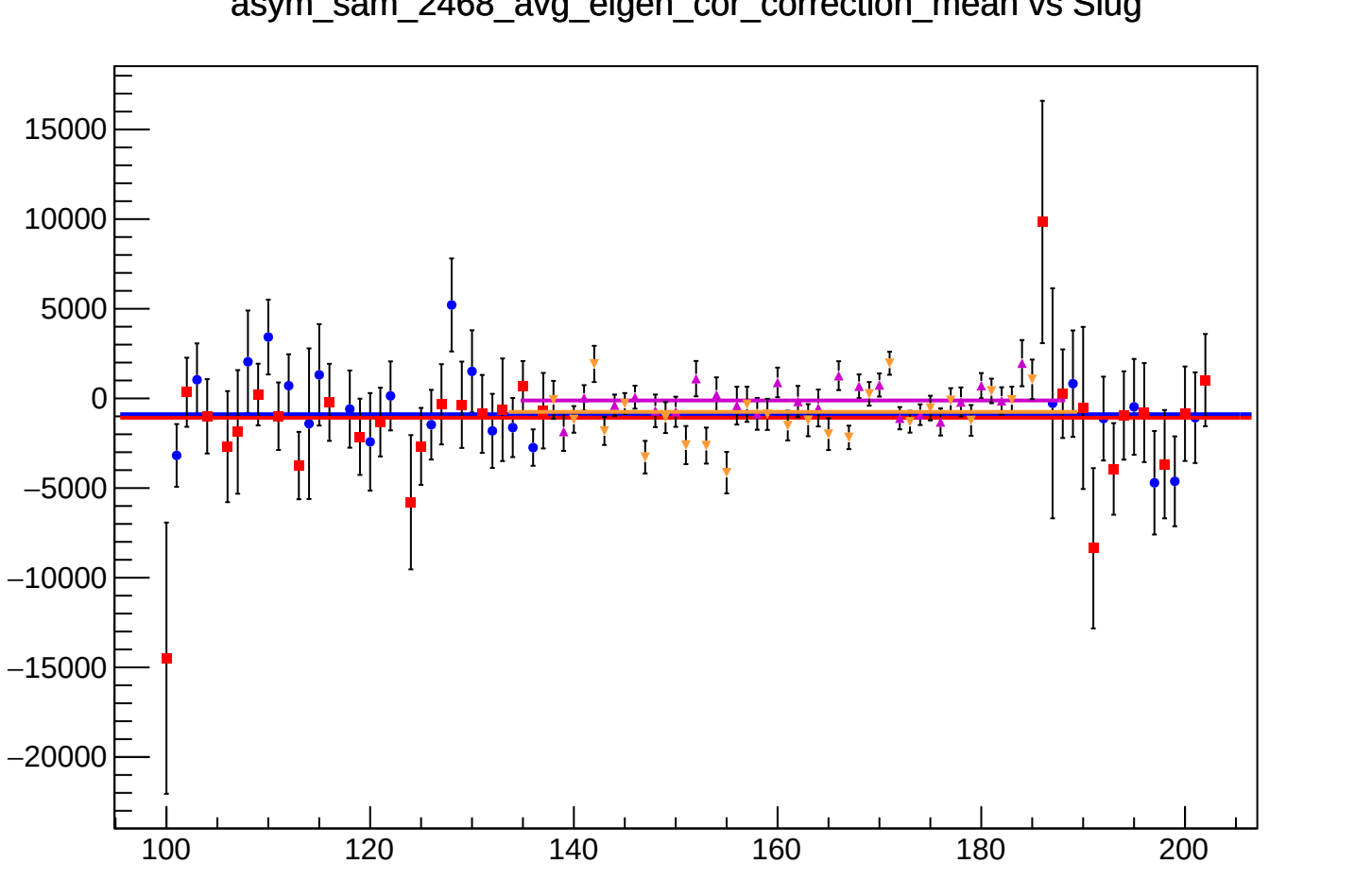
Right Out: 110.331+/-0.023 χ^2/NDF: 4549348.2/28

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 82.954+/-0.011 χ^2/NDF: 5029142.0/47

All: 84.208+/-0.008 χ^2/NDF: 11804337.0/99

- sign 85.529+/-0.011 χ^2/NDF: 6748211.3/51



Right In: -881.873+/-441.854 χ^2/NDF: 24.8/22

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

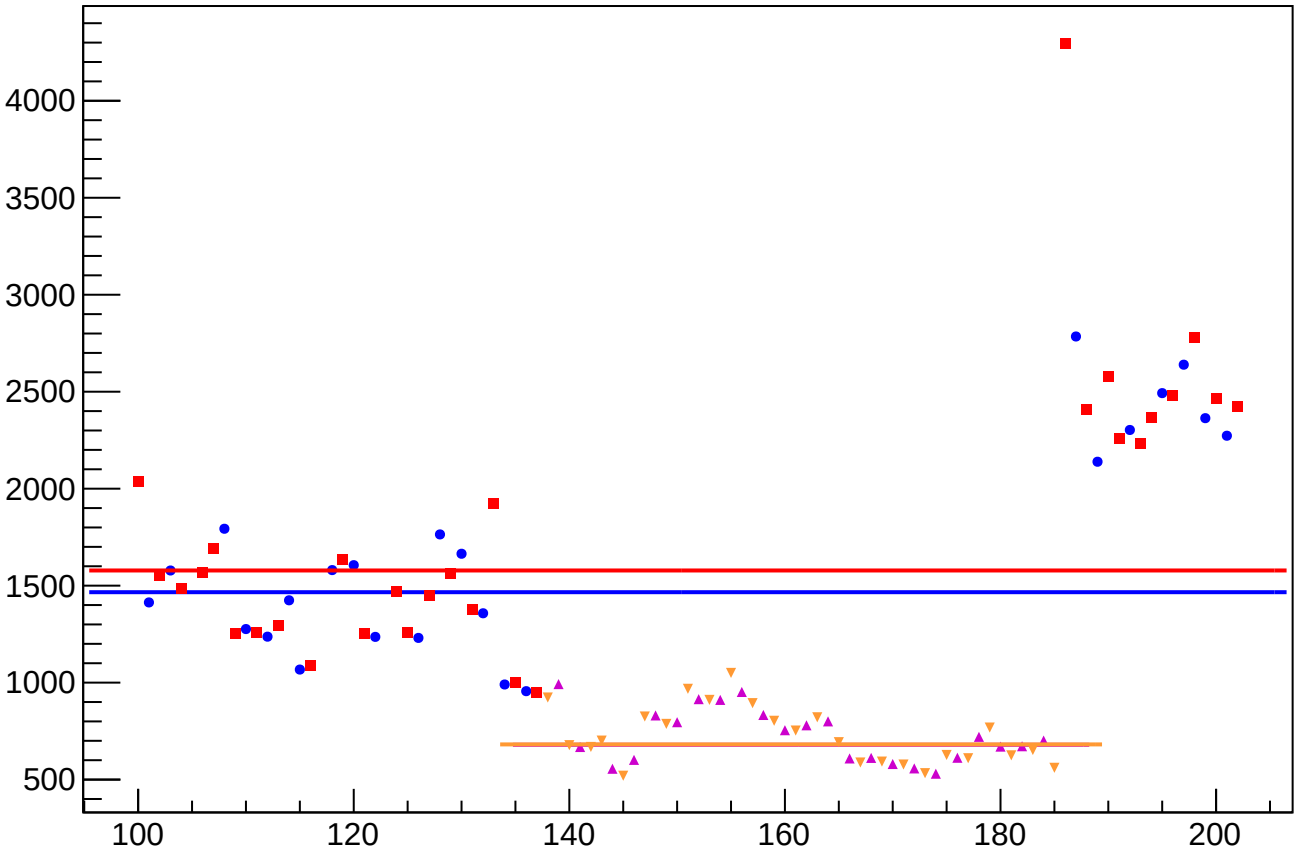
Right Out: -1077.102+/-439.088 χ^2/NDF: 19.2/28

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -764.638+/-148.842 χ^2/NDF: 94.9/47

All: -502.126+/-106.287 χ^2/NDF: 149.7/99

- sign -228.976+/-151.828 χ^2/NDF: 48.5/51



Right In: 1466.261+/-0.312 χ^2/NDF: 2441174.2/22

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1578.258+/-0.310 χ^2/NDF: 2969344.3/28

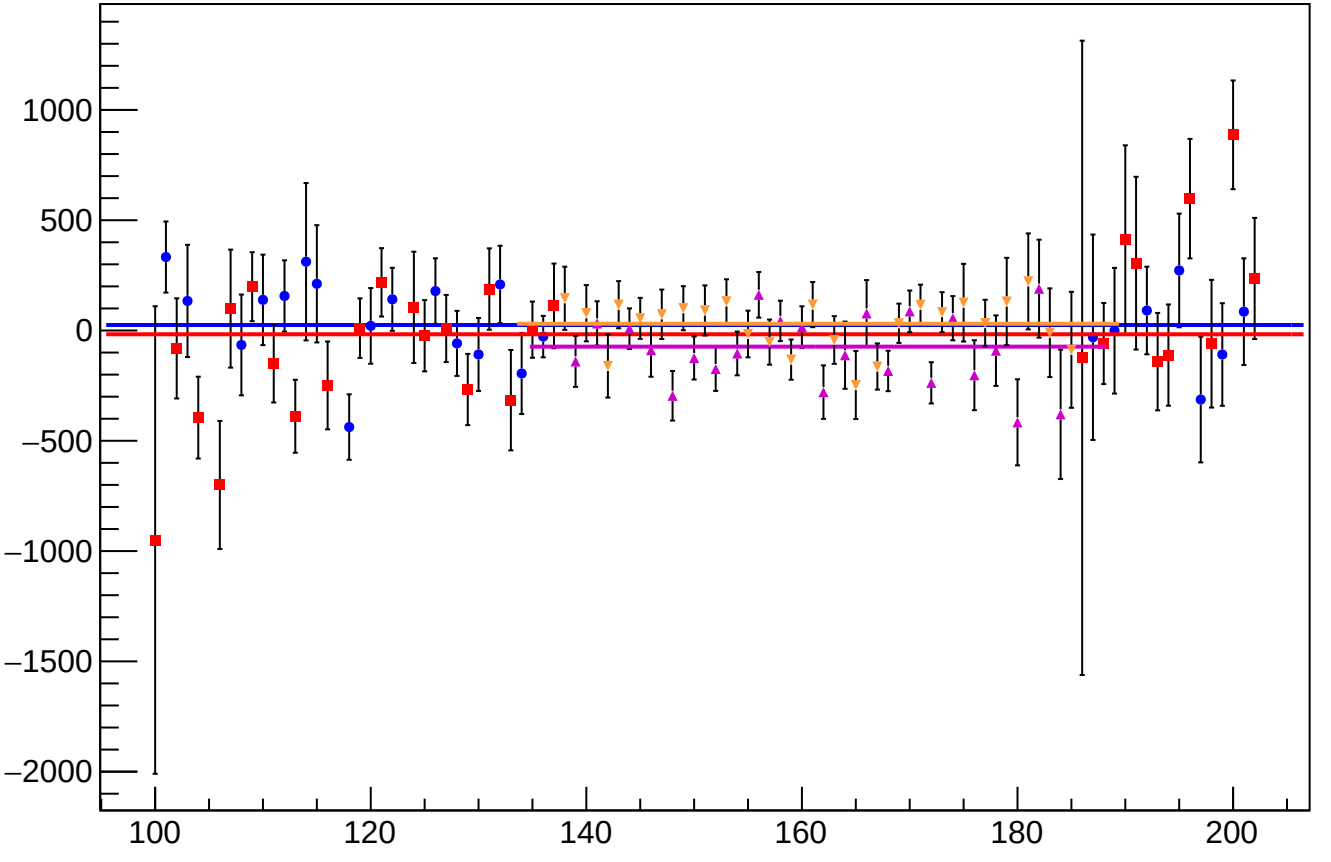
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 770.484+/-0.105 χ^2/NDF: 9369360.8/47

All: 778.521+/-0.075 χ^2/NDF: 20914790.7/99

- sign 786.883+/-0.107 χ^2/NDF: 11533532.0/51

dit_asym_sam_2468_avg_mean vs Slug



Right In: 24.935+/-37.963 χ^2/NDF: 24.2/22

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -17.125+/-37.354 χ^2/NDF: 49.8/28

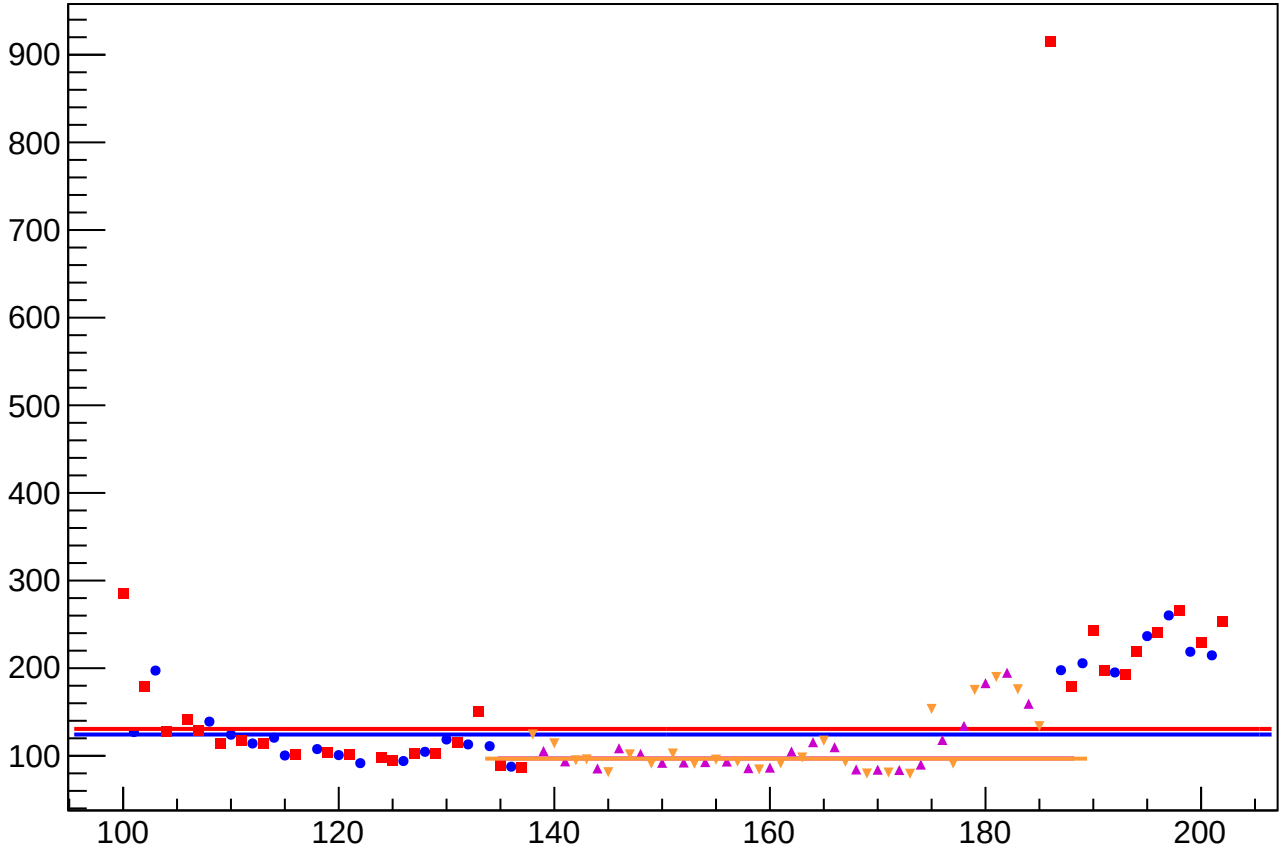
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.155+/-19.581 χ^2/NDF: 44.2/47

All: -13.356+/-13.956 χ^2/NDF: 139.6/99

- sign -57.251+/-19.897 χ^2/NDF: 85.9/51

dit_asym_sam_2468_avg_rms vs Slug



Right In: 124.323+/-0.027 χ^2/NDF: 2720340.1/22

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

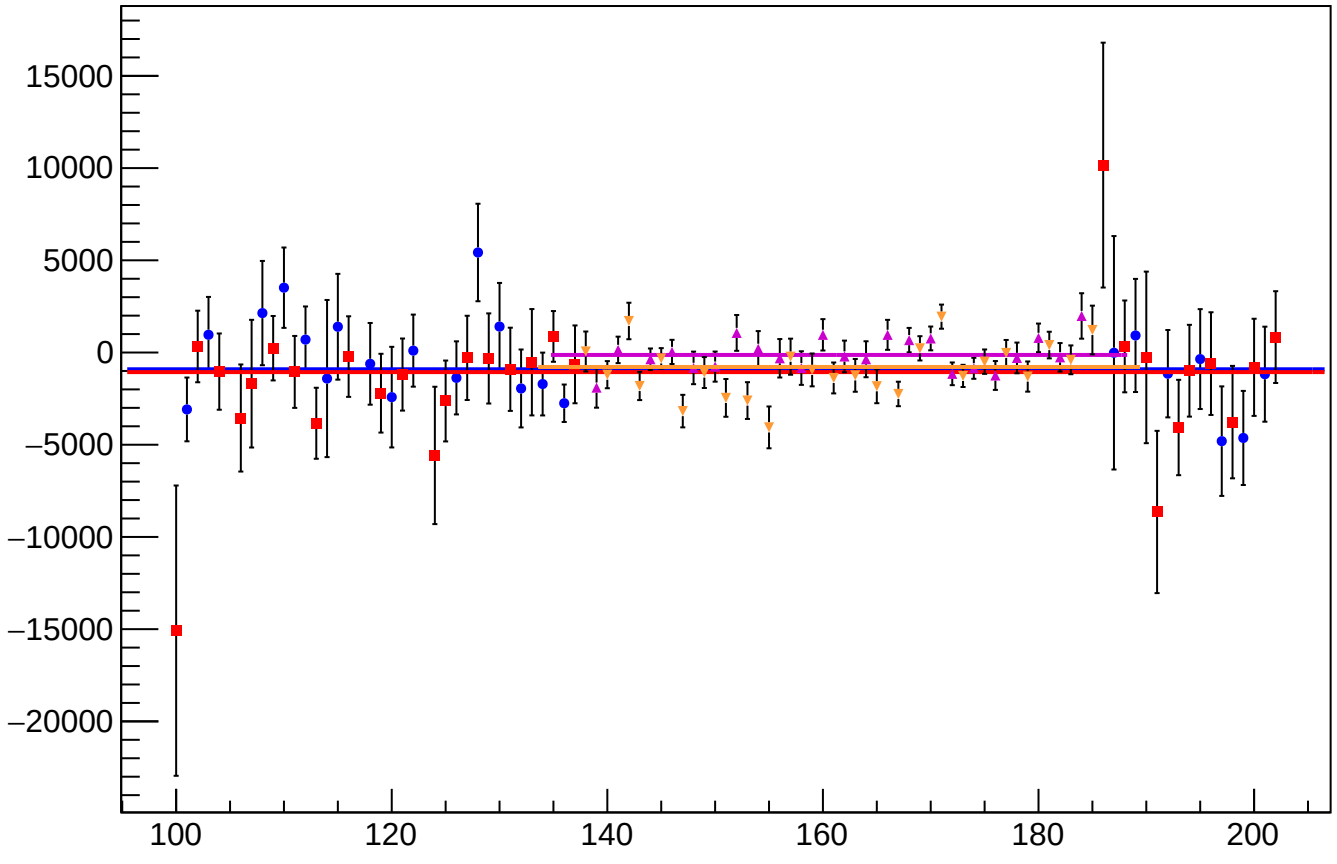
Right Out: 130.716+/-0.026 χ^2/NDF: 3866618.4/28

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 104.118+/-0.014 χ^2/NDF: 5212637.0/47

All: 105.328+/-0.010 χ^2/NDF: 11581909.9/99

- sign 106.578+/-0.014 χ^2/NDF: 6353737.1/51



Right In: -908.536+/-448.395 χ^2/NDF: 24.6/22

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1061.305+/-442.230 χ^2/NDF: 20.7/28

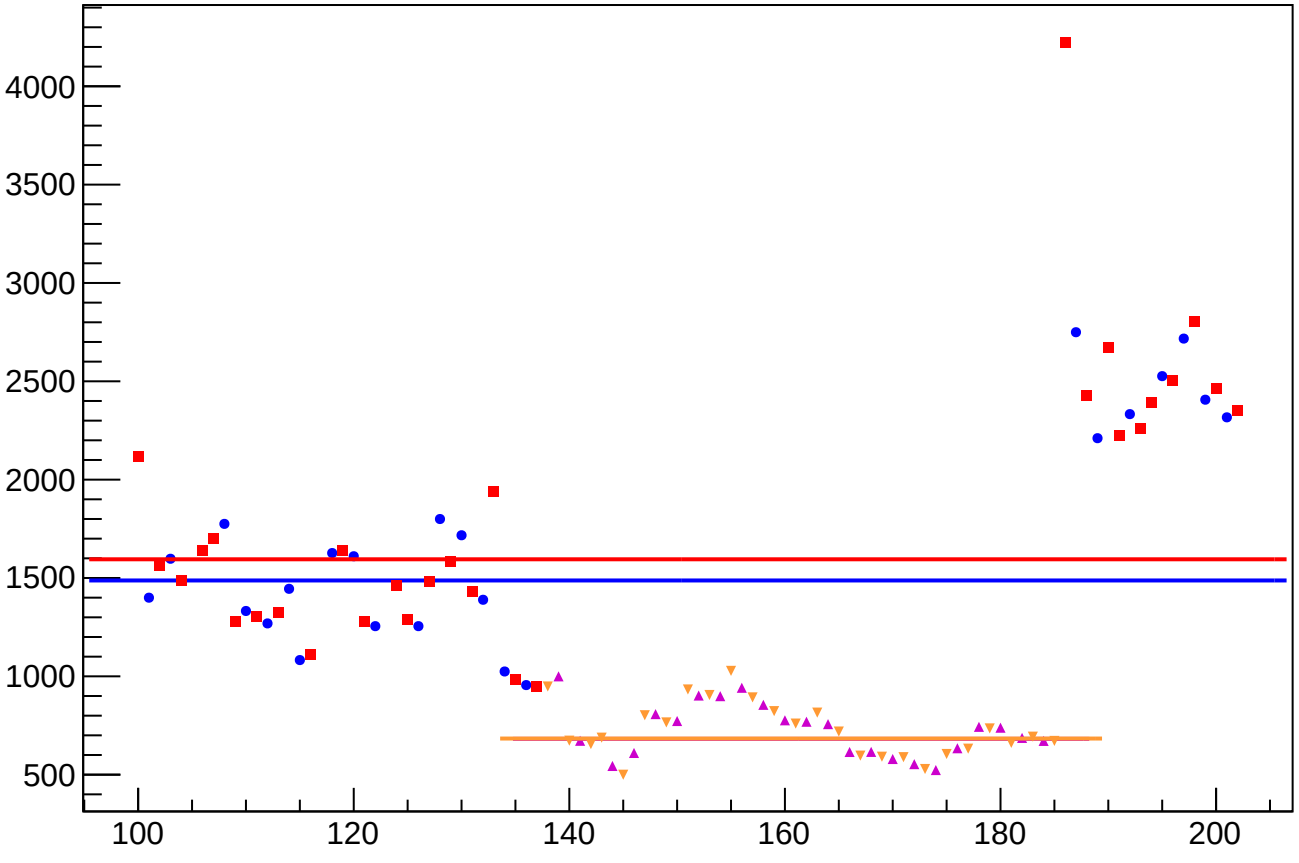
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -797.589+/-149.295 χ^2/NDF: 91.0/47

All: -525.559+/-106.667 χ^2/NDF: 146.6/99

- sign -241.897+/-152.454 χ^2/NDF: 48.9/51

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1487.416+/-0.317 χ^2/NDF: 2477214.8/22

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1595.071+/-0.313 χ^2/NDF: 2941571.4/28

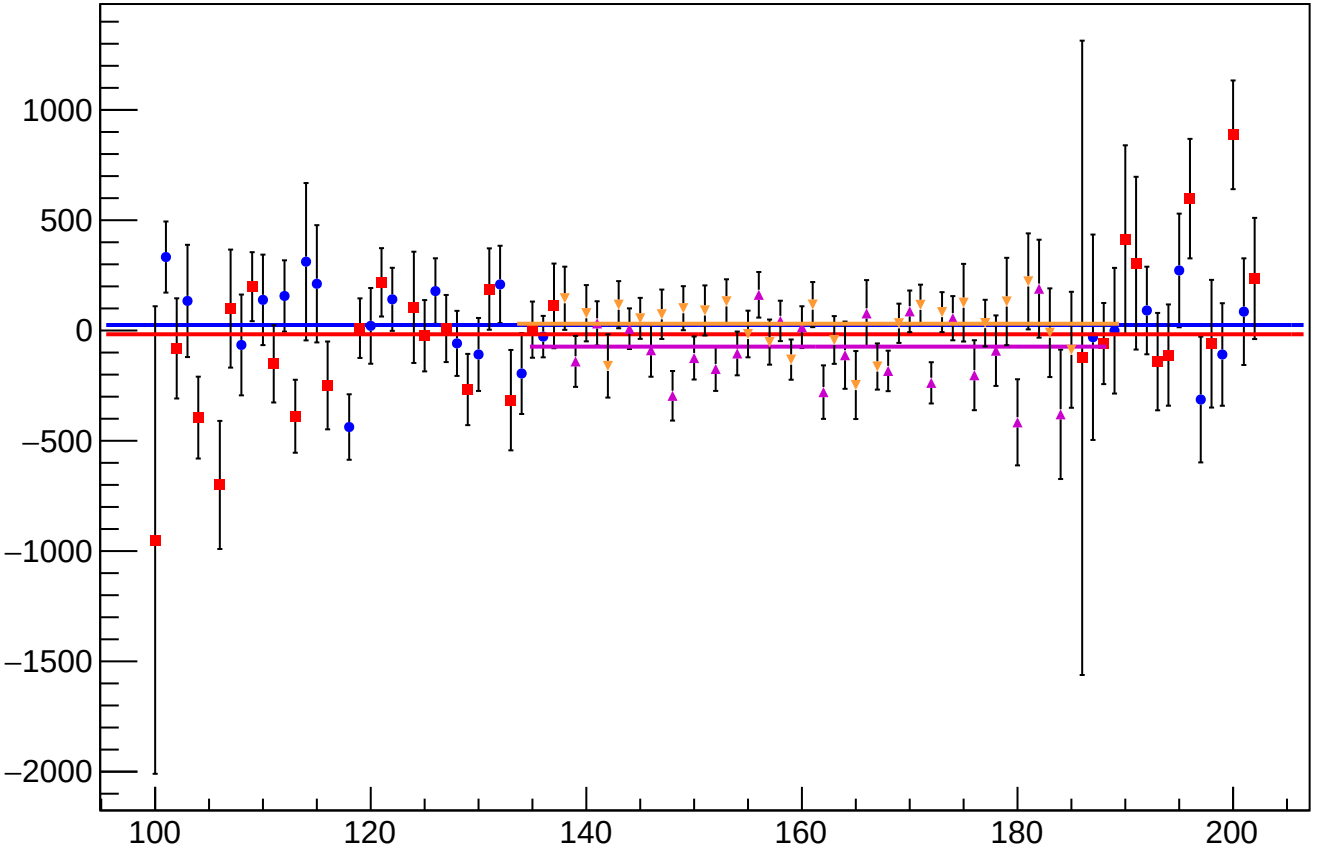
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 772.797+/-0.106 χ^2/NDF: 9488479.3/47

All: 781.453+/-0.075 χ^2/NDF: 21143234.5/99

- sign 790.479+/-0.108 χ^2/NDF: 11641020.7/51

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 24.935+/-37.963 χ^2/NDF: 24.2/22

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -17.124+/-37.354 χ^2/NDF: 49.8/28

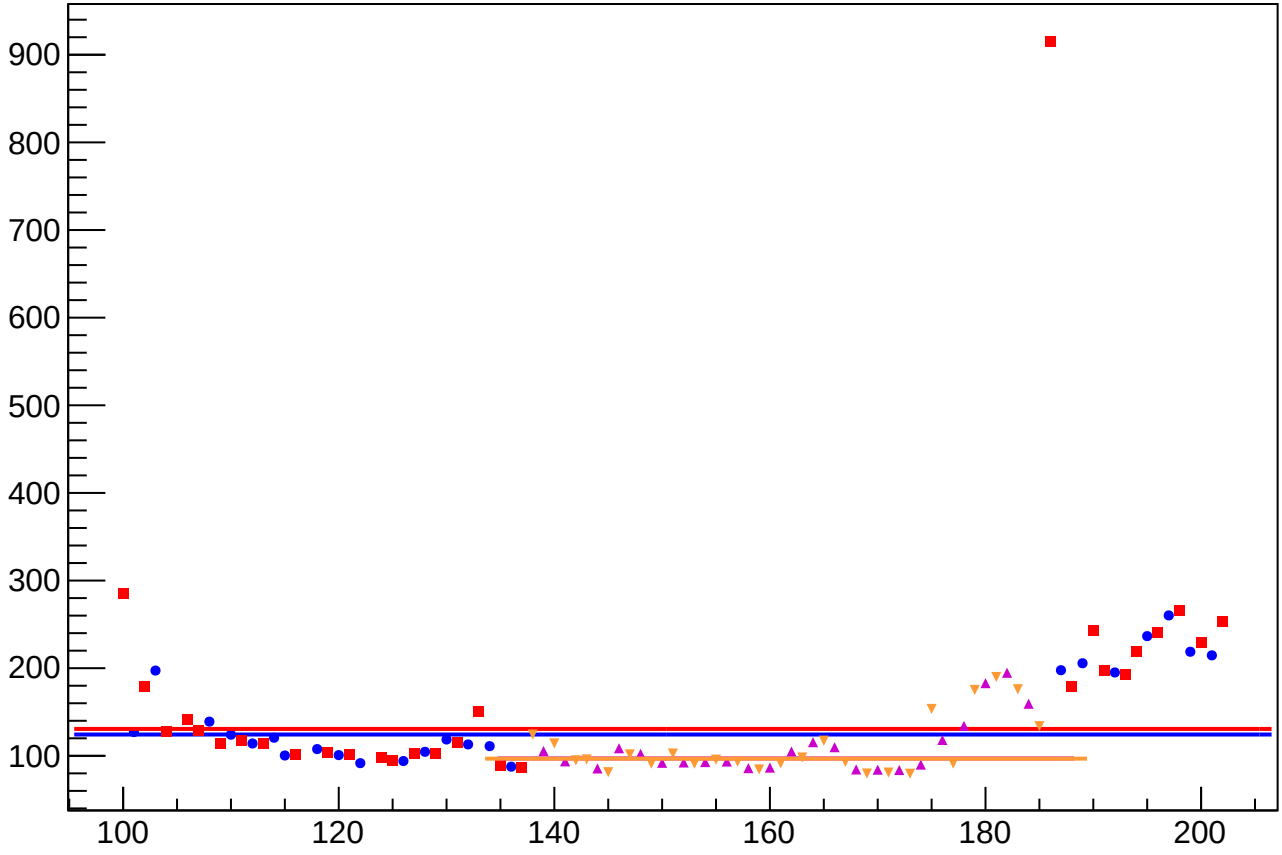
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.155+/-19.581 χ^2/NDF: 44.2/47

All: -13.355+/-13.956 χ^2/NDF: 139.6/99

- sign -57.250+/-19.897 χ^2/NDF: 85.9/51

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 124.322+/-0.027 χ^2/NDF: 2720354.1/22

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

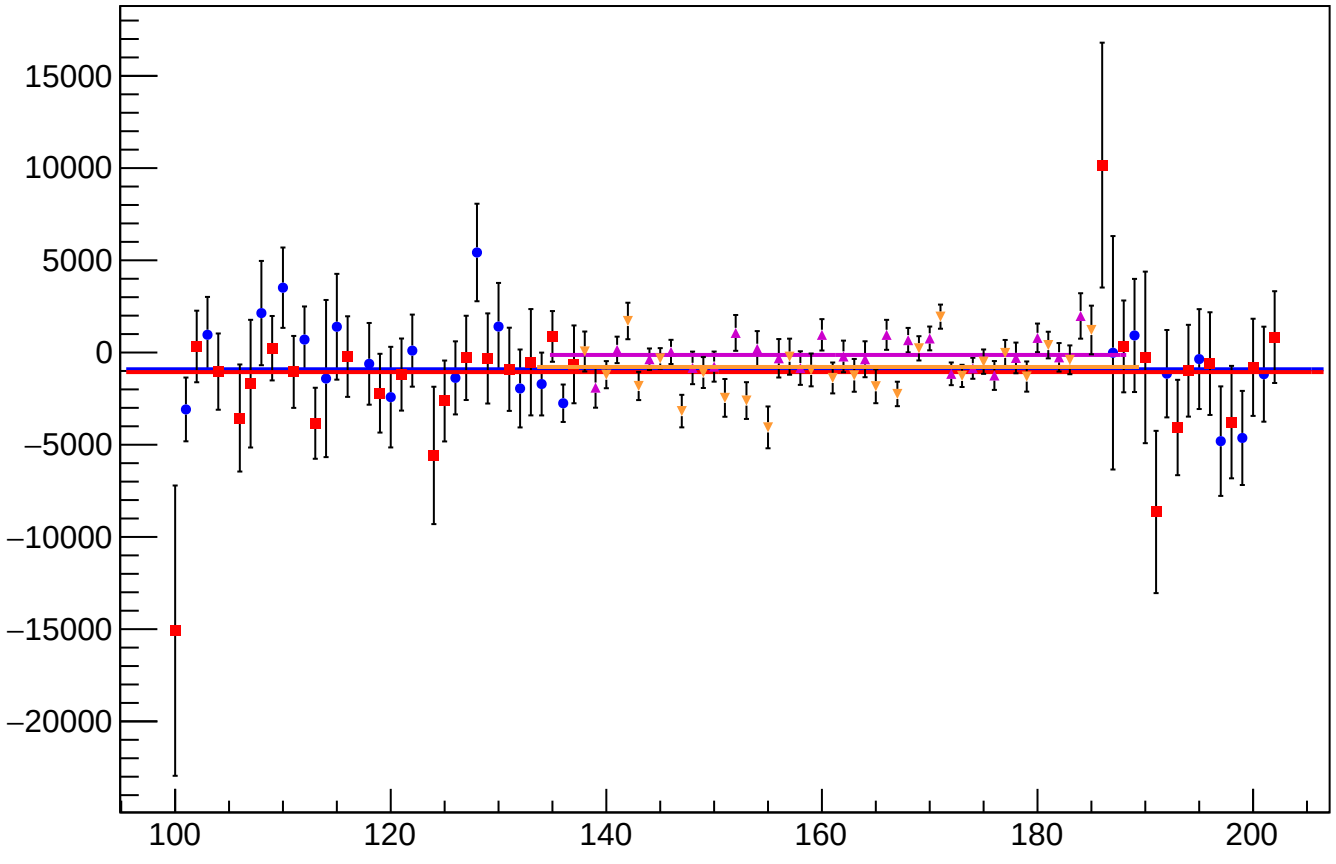
Right Out: 130.715+/-0.026 χ^2/NDF: 3866652.8/28

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 104.118+/-0.014 χ^2/NDF: 5212593.1/47

All: 105.329+/-0.010 χ^2/NDF: 11581819.2/99

- sign 106.579+/-0.014 χ^2/NDF: 6353690.0/51



Right In: -908.530+/-448.394 χ^2/NDF: 24.6/22

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

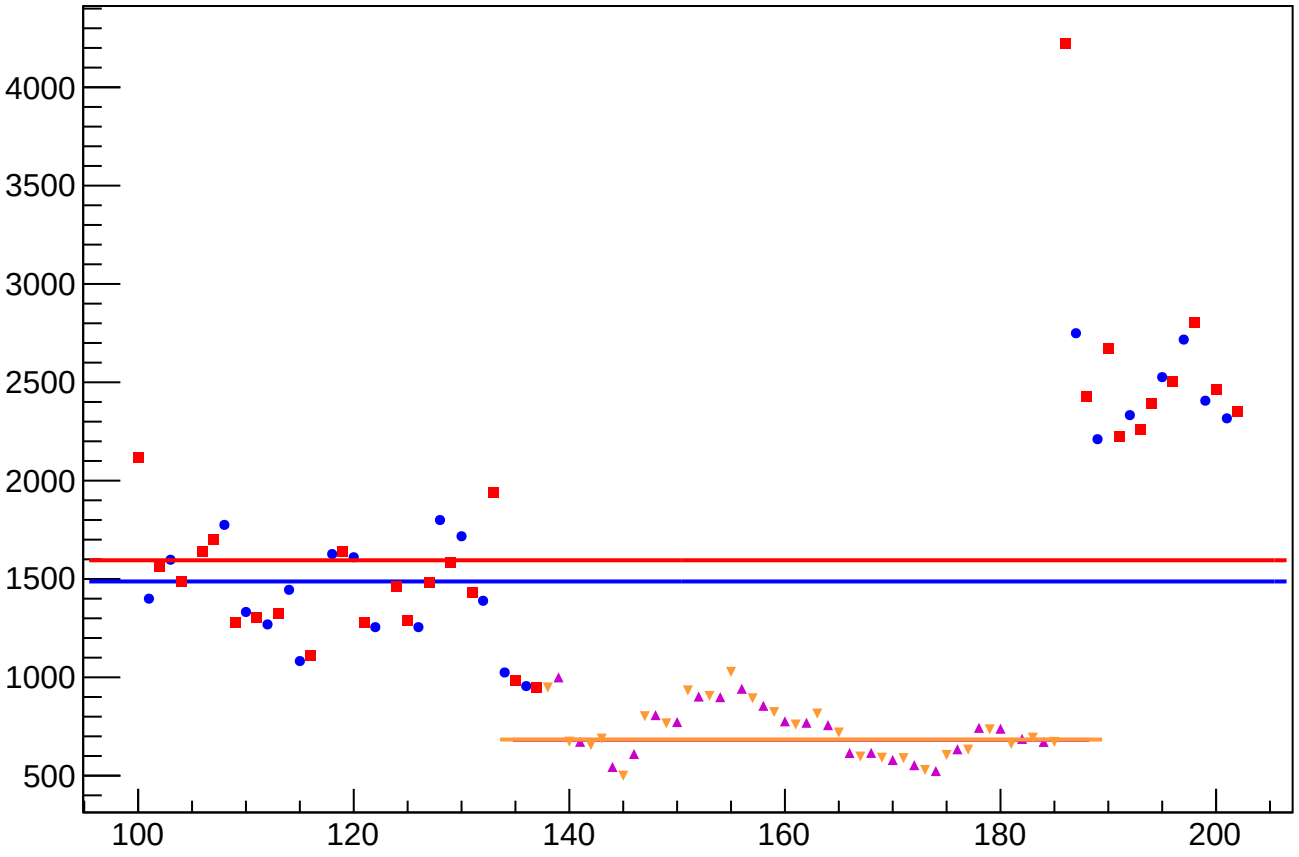
Right Out: -1061.305+/-442.229 χ^2/NDF: 20.7/28

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -797.587+/-149.295 χ^2/NDF: 91.0/47

All: -525.557+/-106.666 χ^2/NDF: 146.6/99

- sign -241.896+/-152.453 χ^2/NDF: 48.9/51



Right In: 1487.413+/-0.317 χ^2/NDF: 2477219.6/22

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1595.068+/-0.313 χ^2/NDF: 2941580.6/28

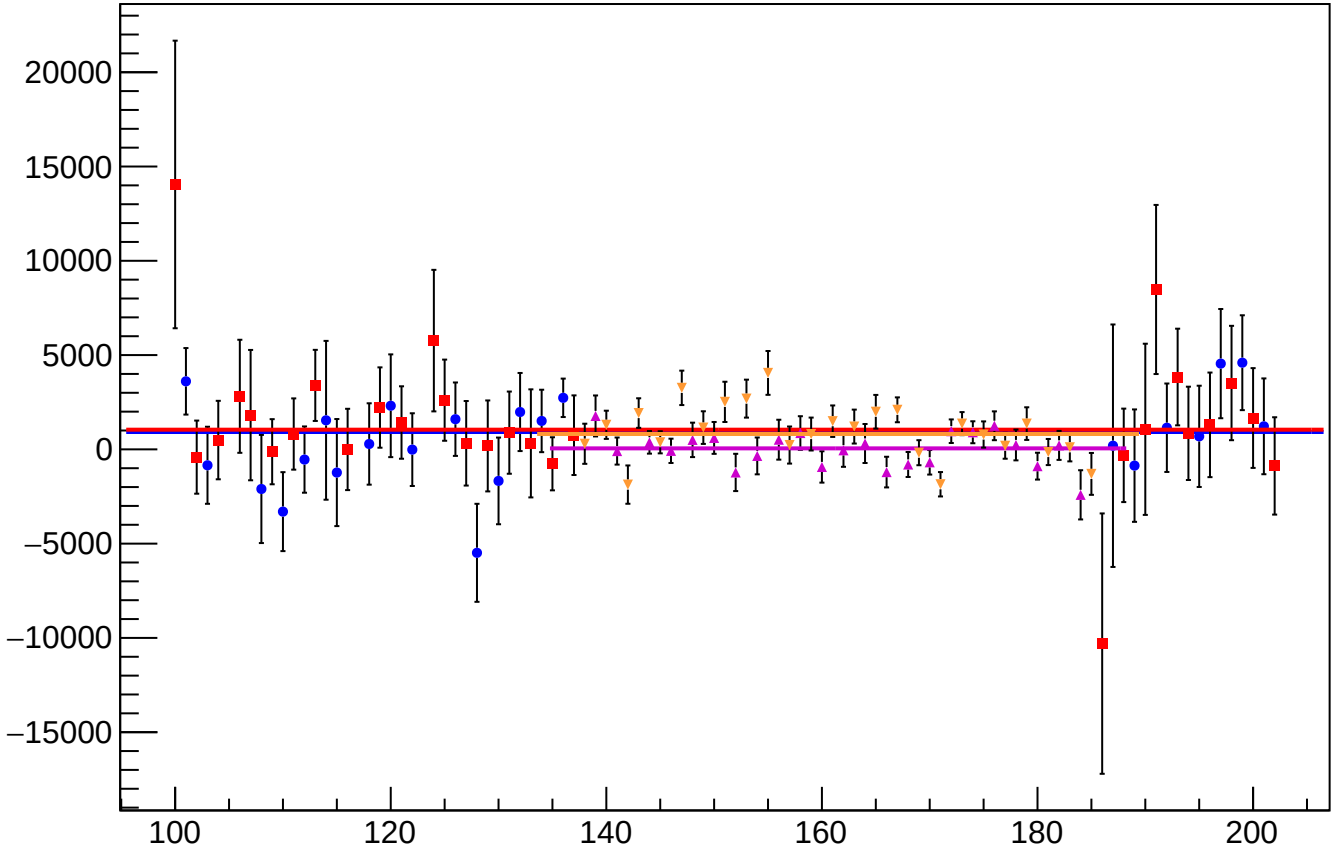
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 772.795+/-0.106 χ^2/NDF: 9488489.7/47

All: 781.451+/-0.075 χ^2/NDF: 21143253.2/99

- sign 790.477+/-0.108 χ^2/NDF: 11641029.0/51

asym_sam_2468_avg_mean vs Slug



Right In: 920.385+/-443.485 χ^2/NDF: 25.2/22

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1043.255+/-440.198 χ^2/NDF: 18.9/28

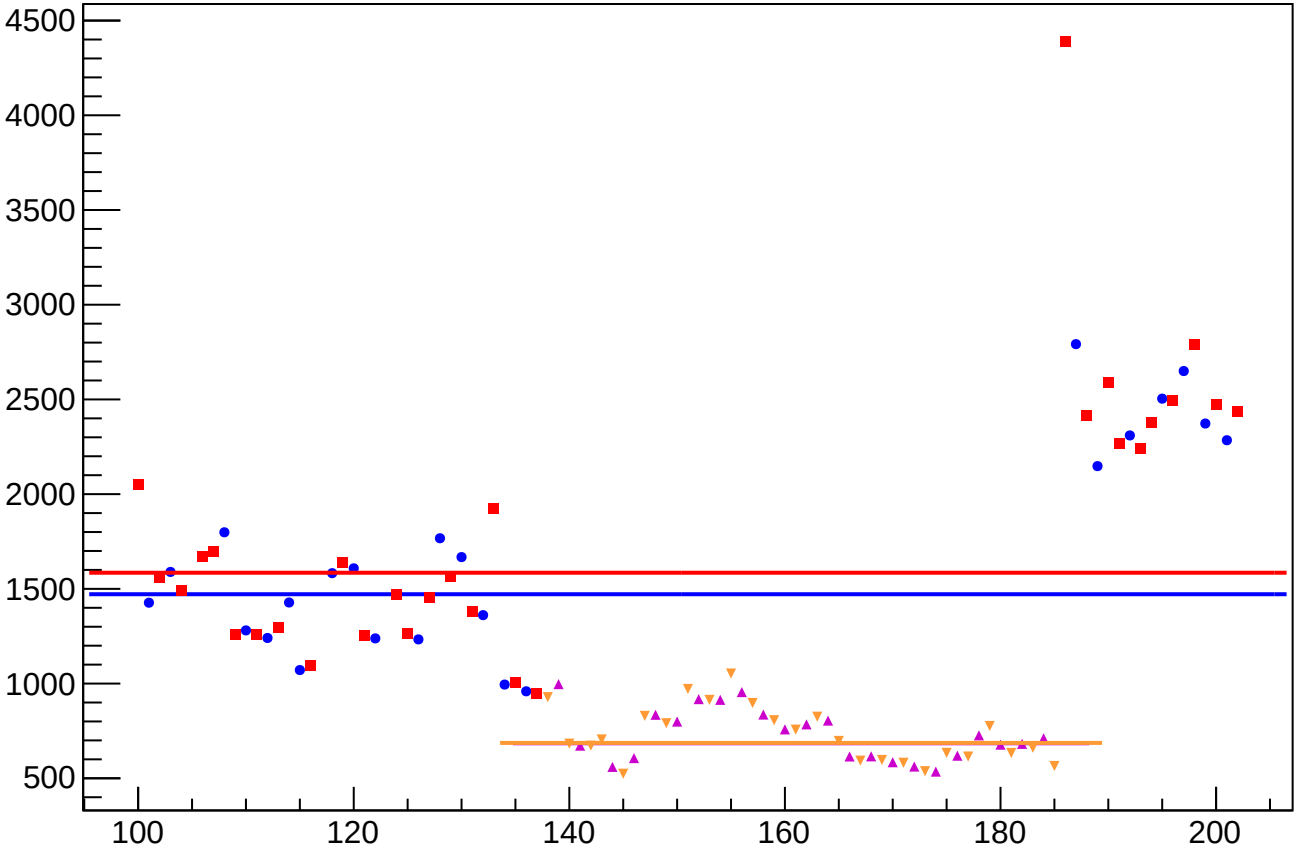
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 826.211+/-149.885 χ^2/NDF: 91.1/47

All: 505.506+/-107.030 χ^2/NDF: 149.1/99

- sign 171.827+/-152.887 χ^2/NDF: 48.7/51

asym_sam_2468_avg_rms vs Slug



Right In: 1471.647+/-0.314 χ^2/NDF: 2443194.6/22

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

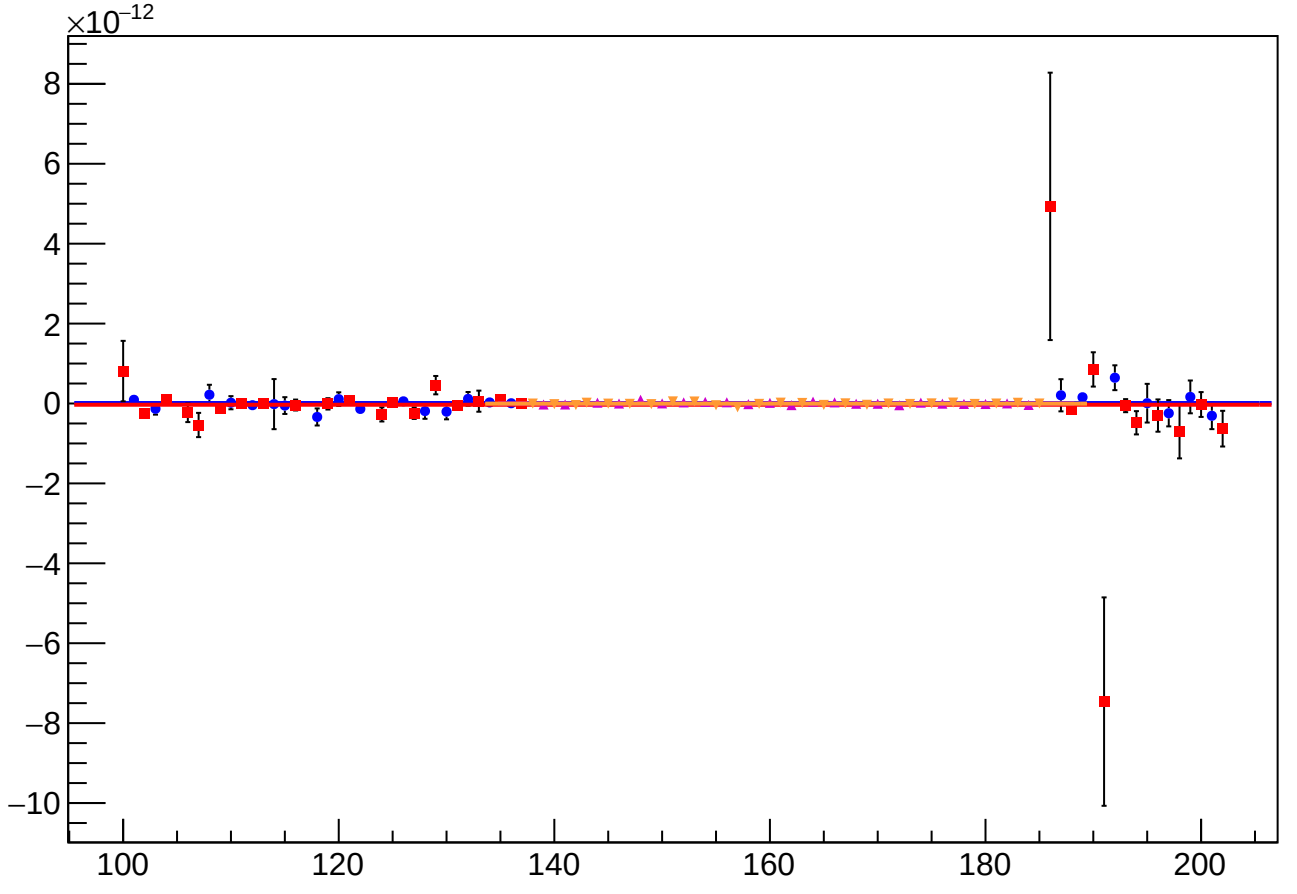
Right Out: 1585.113+/-0.311 χ^2/NDF: 2983183.3/28

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 776.360+/-0.106 χ^2/NDF: 9305227.7/47

All: 784.696+/-0.076 χ^2/NDF: 20823729.6/99

- sign 793.370+/-0.108 χ^2/NDF: 11505878.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

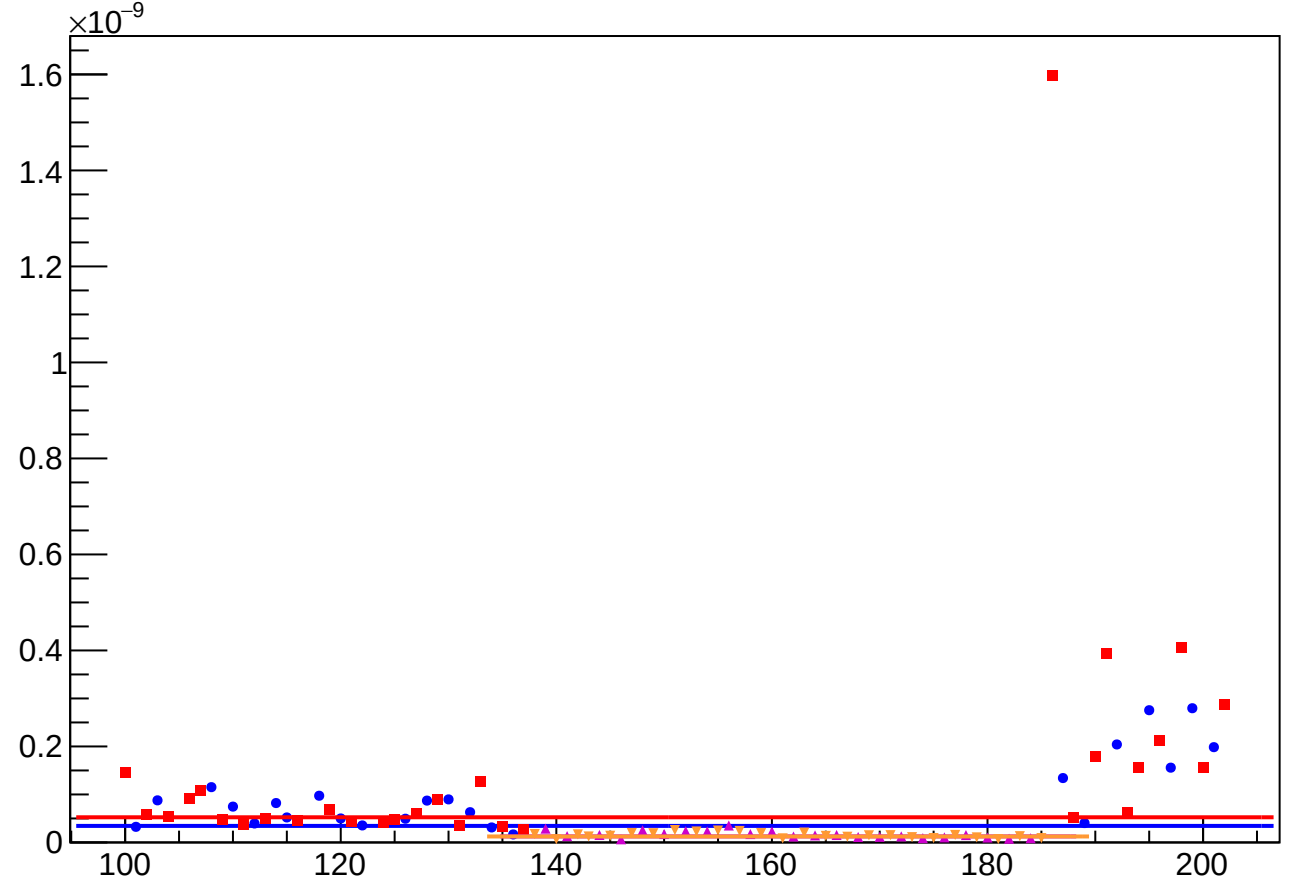
Right Out: -0.000+/-0.000 χ^2/NDF: 45.7/28

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.0/47

All: -0.000+/-0.000 χ^2/NDF: 103.6/99

- sign -0.000+/-0.000 χ^2/NDF: 67.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 4654837.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

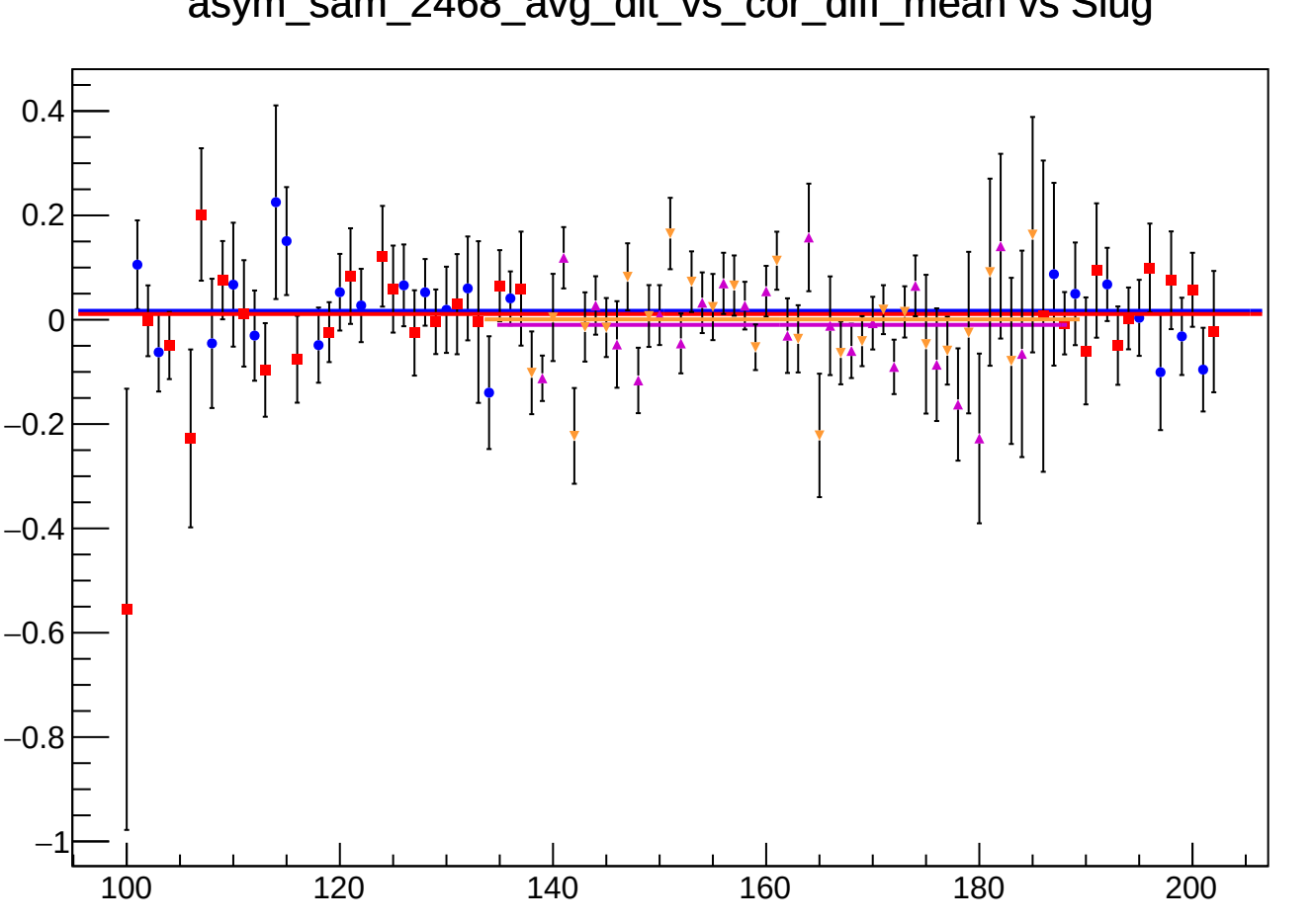
Right Out: 0.000+/-0.000 χ^2/NDF: 3330483.1/28

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8456143.9/47

All: 0.000+/-0.000 χ^2/NDF: 18029540.5/99

- sign 0.000+/-0.000 χ^2/NDF: 9565970.9/51



Right In: 0.017+/-0.017 χ^2/NDF: 14.5/22

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.011+/-0.016 χ^2/NDF: 17.7/28

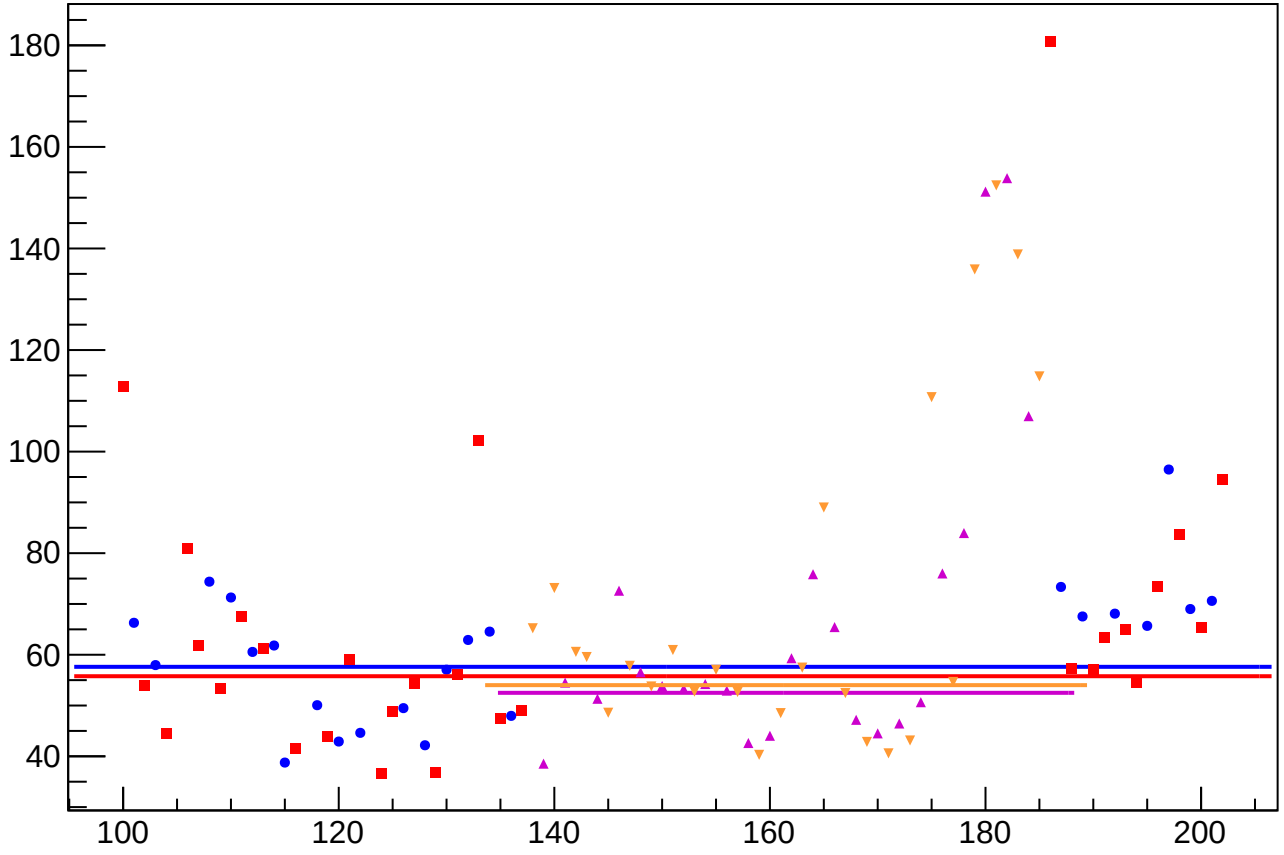
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.007+/-0.011 χ^2/NDF: 46.8/47

All: 0.003+/-0.007 χ^2/NDF: 97.7/99

- sign -0.001+/-0.010 χ^2/NDF: 50.6/51

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 57.622+/-0.012 χ^2/NDF: 996648.2/22

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

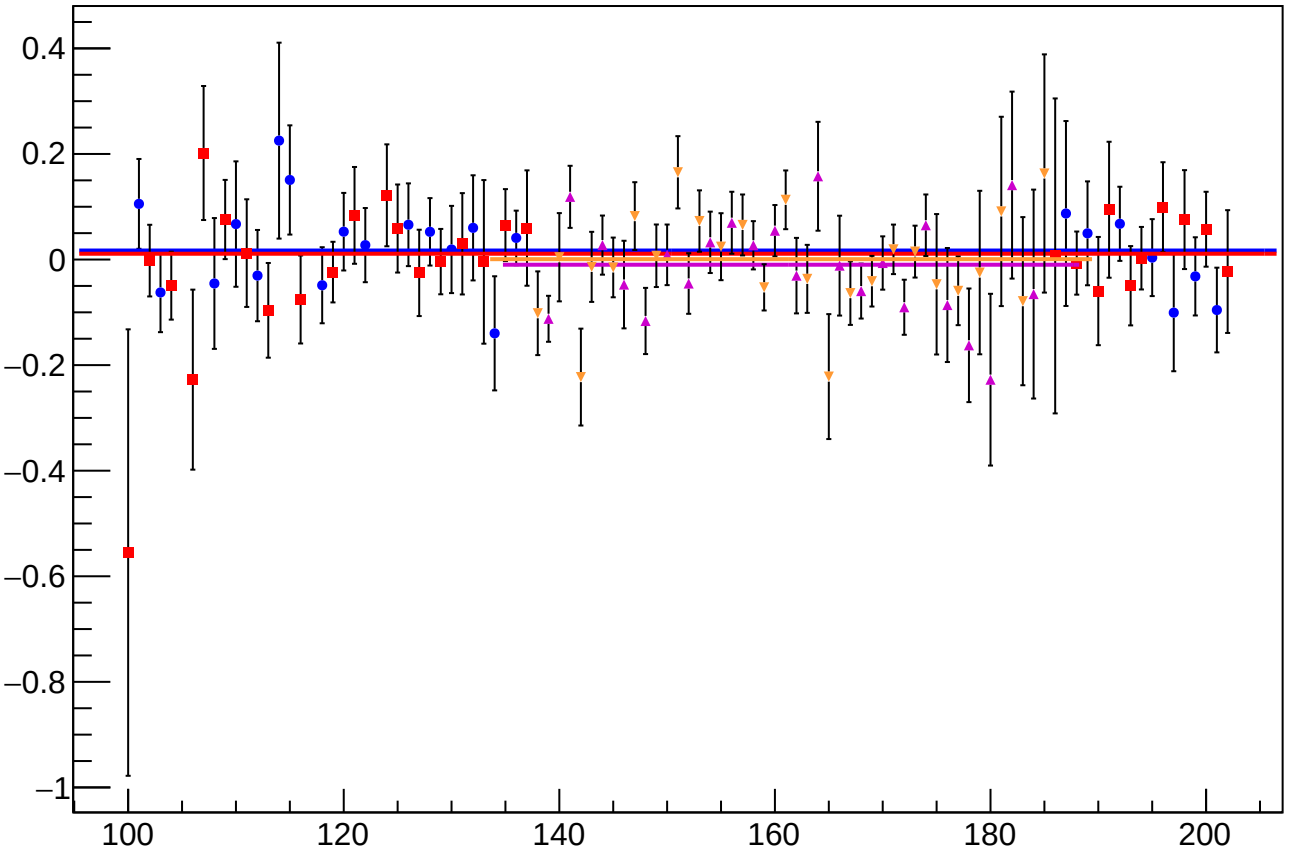
Right Out: 55.771+/-0.011 χ^2/NDF: 1739631.5/28

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 55.348+/-0.007 χ^2/NDF: 4279127.9/47

All: 54.575+/-0.005 χ^2/NDF: 8648168.3/99

- sign 53.861+/-0.007 χ^2/NDF: 4348223.6/51



Right In: 0.017+/-0.017 χ^2/NDF: 14.5/22

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

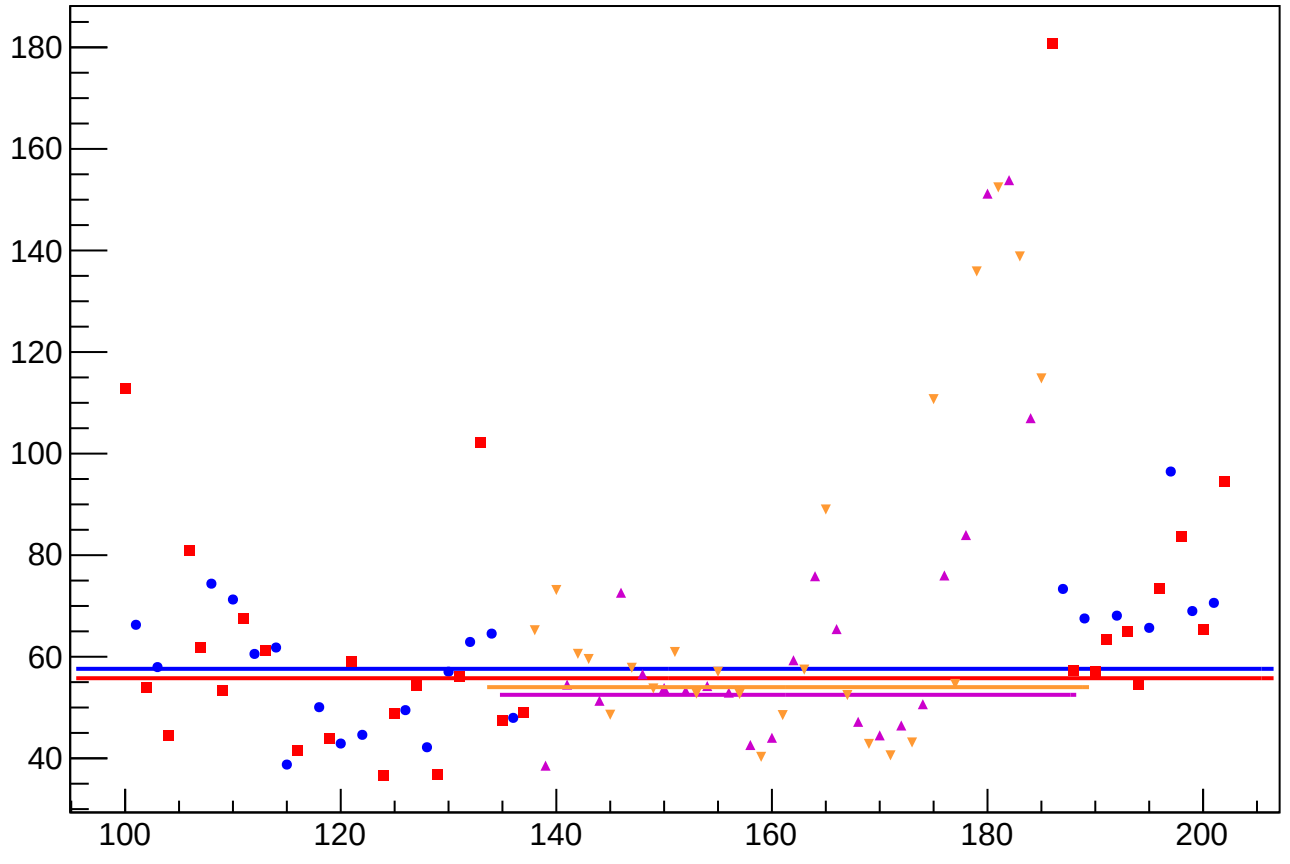
Right Out: 0.011+/-0.016 χ^2/NDF: 17.7/28

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.007+/-0.011 χ^2/NDF: 46.8/47

All: 0.003+/-0.007 χ^2/NDF: 97.7/99

- sign -0.001+/-0.010 χ^2/NDF: 50.6/51



Right In: 57.622+/-0.012 χ^2/NDF: 996648.2/22

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

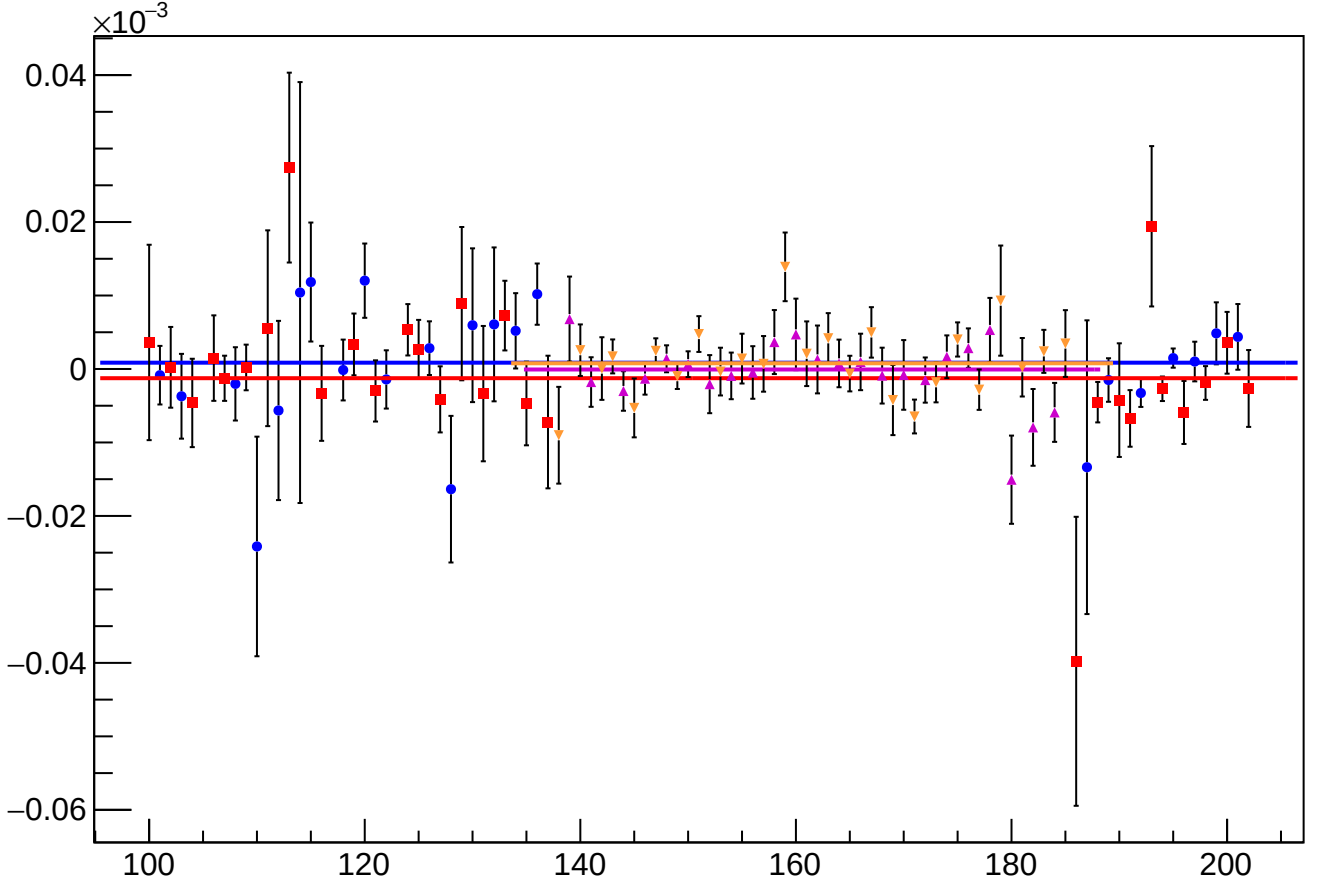
Right Out: 55.771+/-0.011 χ^2/NDF: 1739631.5/28

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 55.348+/-0.007 χ^2/NDF: 4279127.9/47

All: 54.575+/-0.005 χ^2/NDF: 8648168.3/99

- sign 53.861+/-0.007 χ^2/NDF: 4348223.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

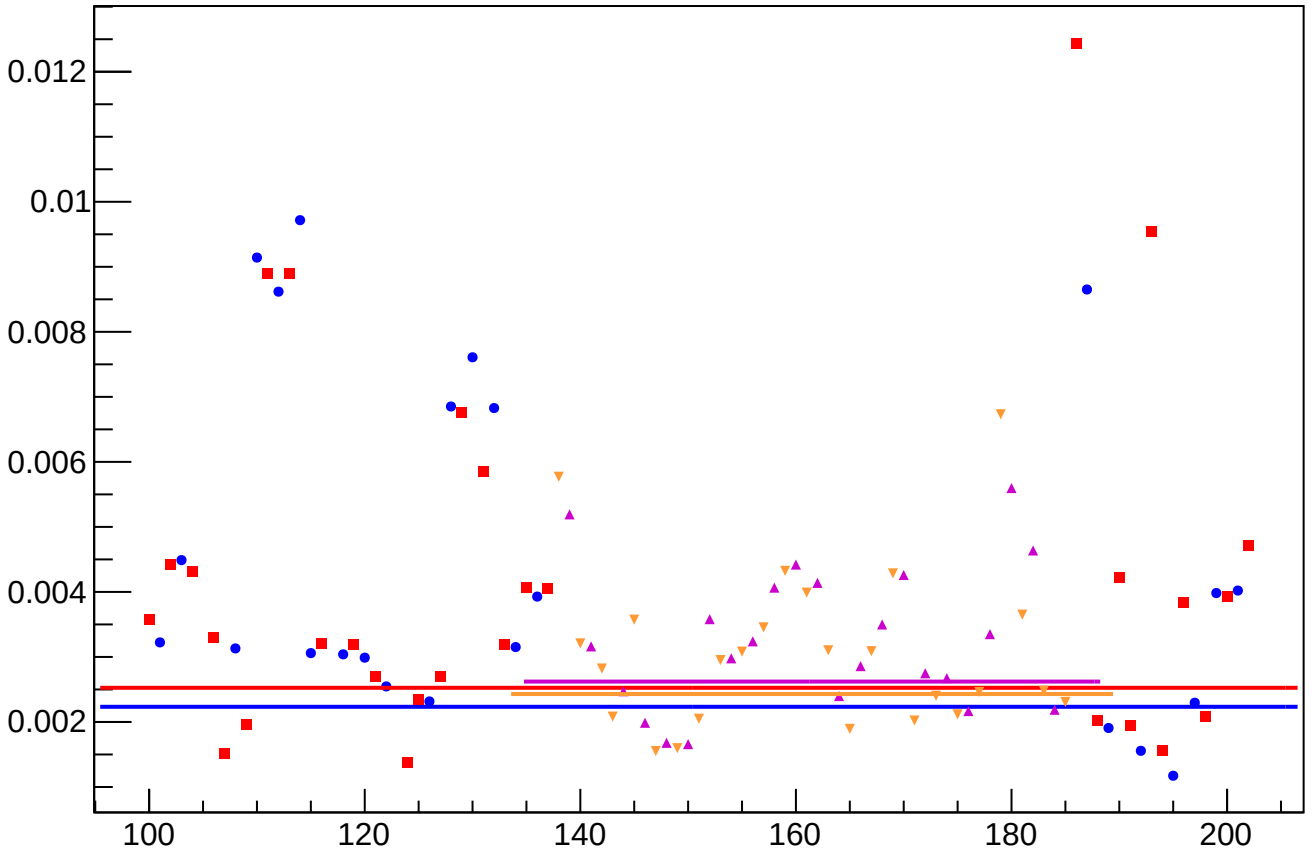
Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/28

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.6/47

All: 0.000+/-0.000 χ^2/NDF: 124.3/99

- sign -0.000+/-0.000 χ^2/NDF: 53.6/51



Right In: 0.002+/-0.000 χ^2/NDF: 5963904.5/22

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

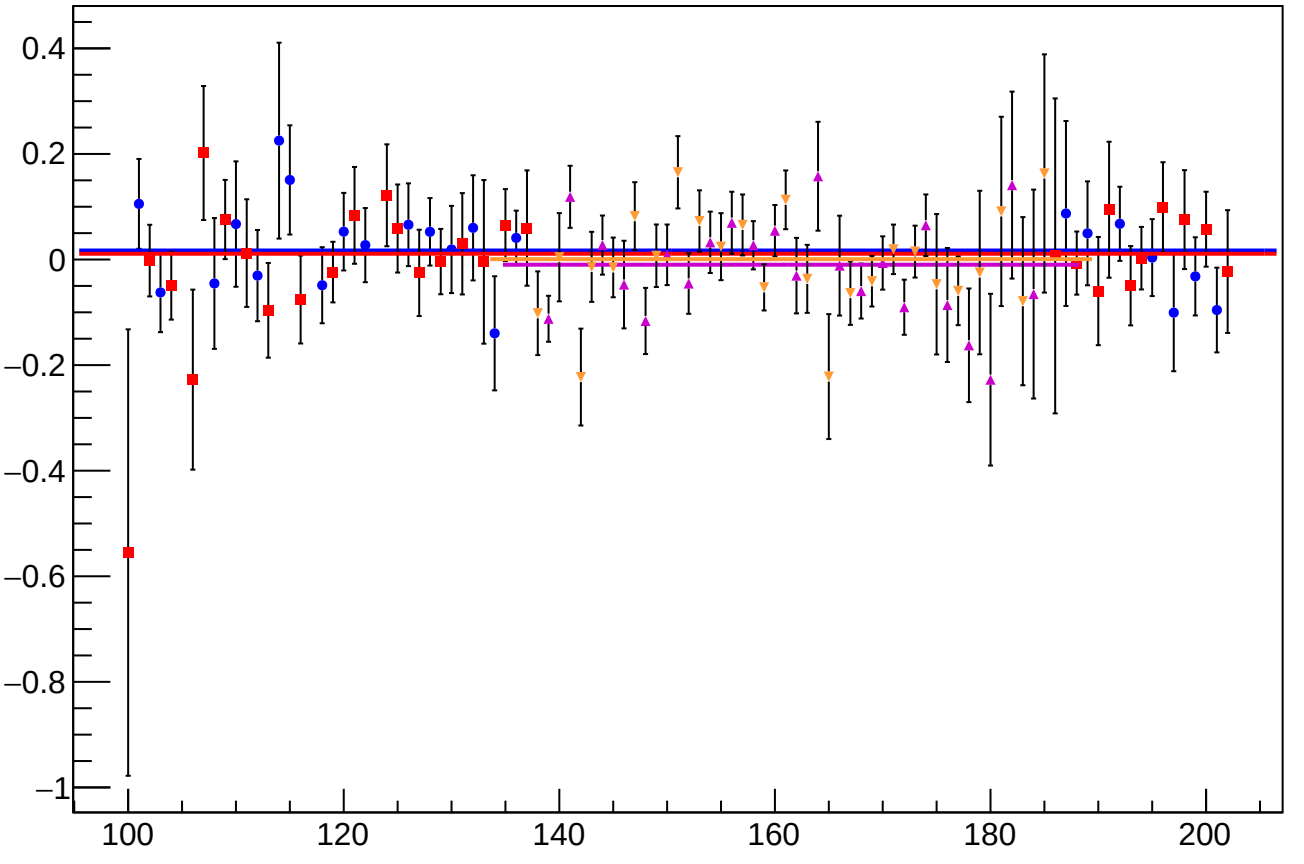
Right Out: 0.003+/-0.000 χ^2/NDF: 5871685.2/28

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 10265869.3/47

All: 0.002+/-0.000 χ^2/NDF: 20327245.8/99

- sign 0.003+/-0.000 χ^2/NDF: 9844711.1/51



Right In: 0.017+/-0.017 χ^2/NDF: 14.5/22

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

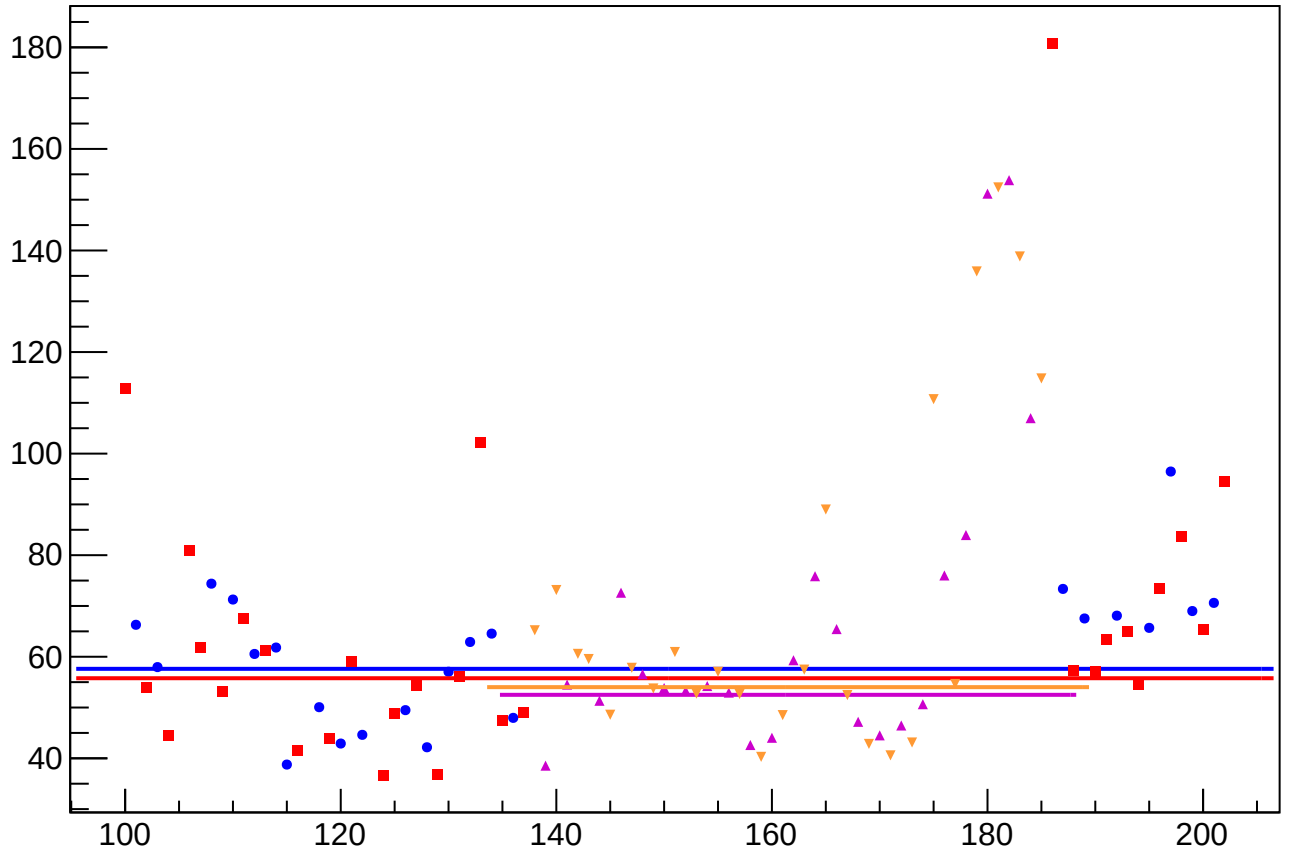
Right Out: 0.011+/-0.016 χ^2/NDF: 17.7/28

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.007+/-0.011 χ^2/NDF: 46.8/47

All: 0.003+/-0.007 χ^2/NDF: 97.7/99

- sign -0.001+/-0.010 χ^2/NDF: 50.6/51



Right In: 57.621+/-0.012 χ^2/NDF: 996648.5/22

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

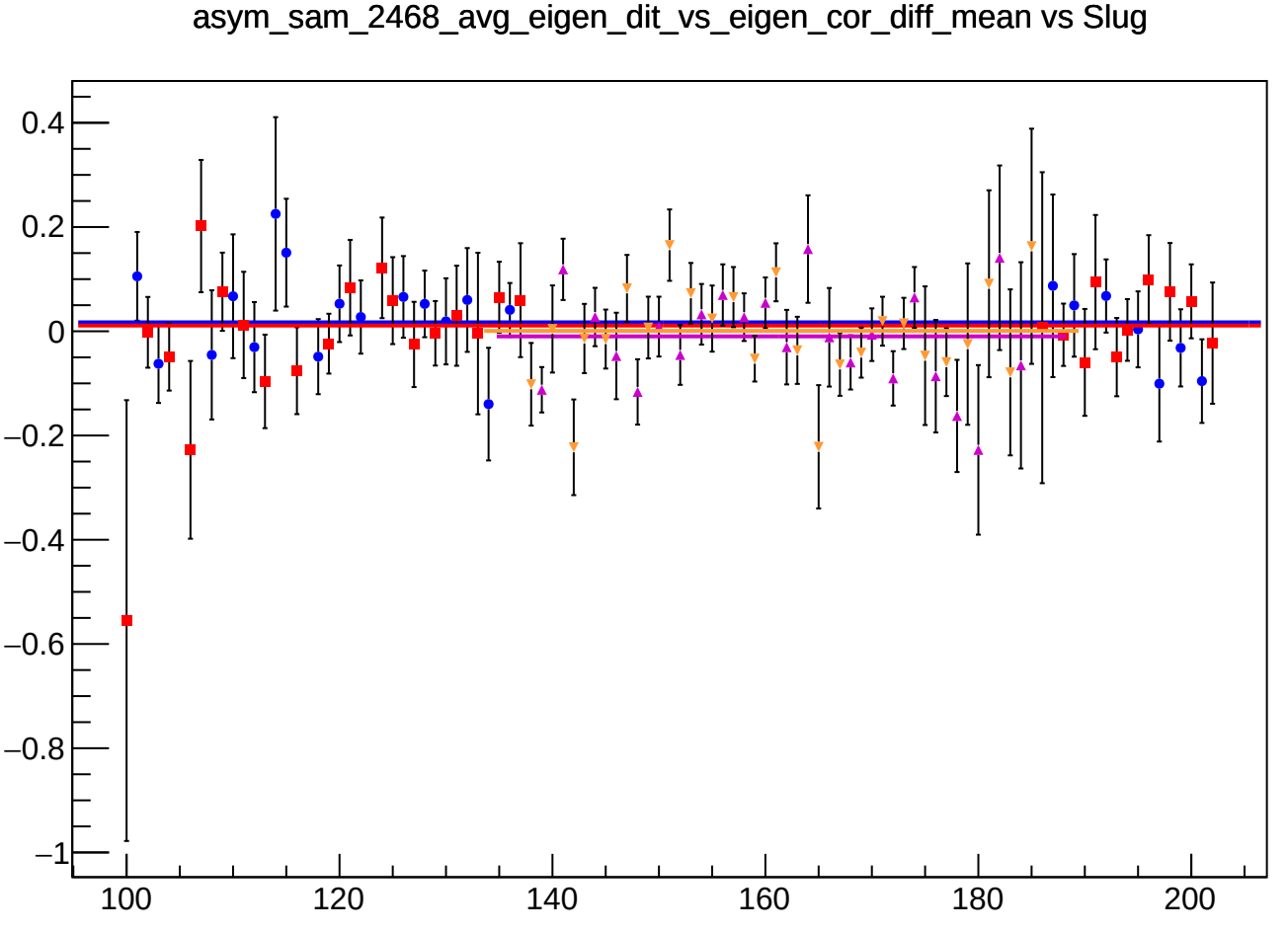
Right Out: 55.770+/-0.011 χ^2/NDF: 1739706.3/28

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 55.348+/-0.007 χ^2/NDF: 4279105.6/47

All: 54.575+/-0.005 χ^2/NDF: 8648228.8/99

- sign 53.861+/-0.007 χ^2/NDF: 4348305.6/51



Right In: 0.017+/-0.017 χ^2/NDF: 14.5/22

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

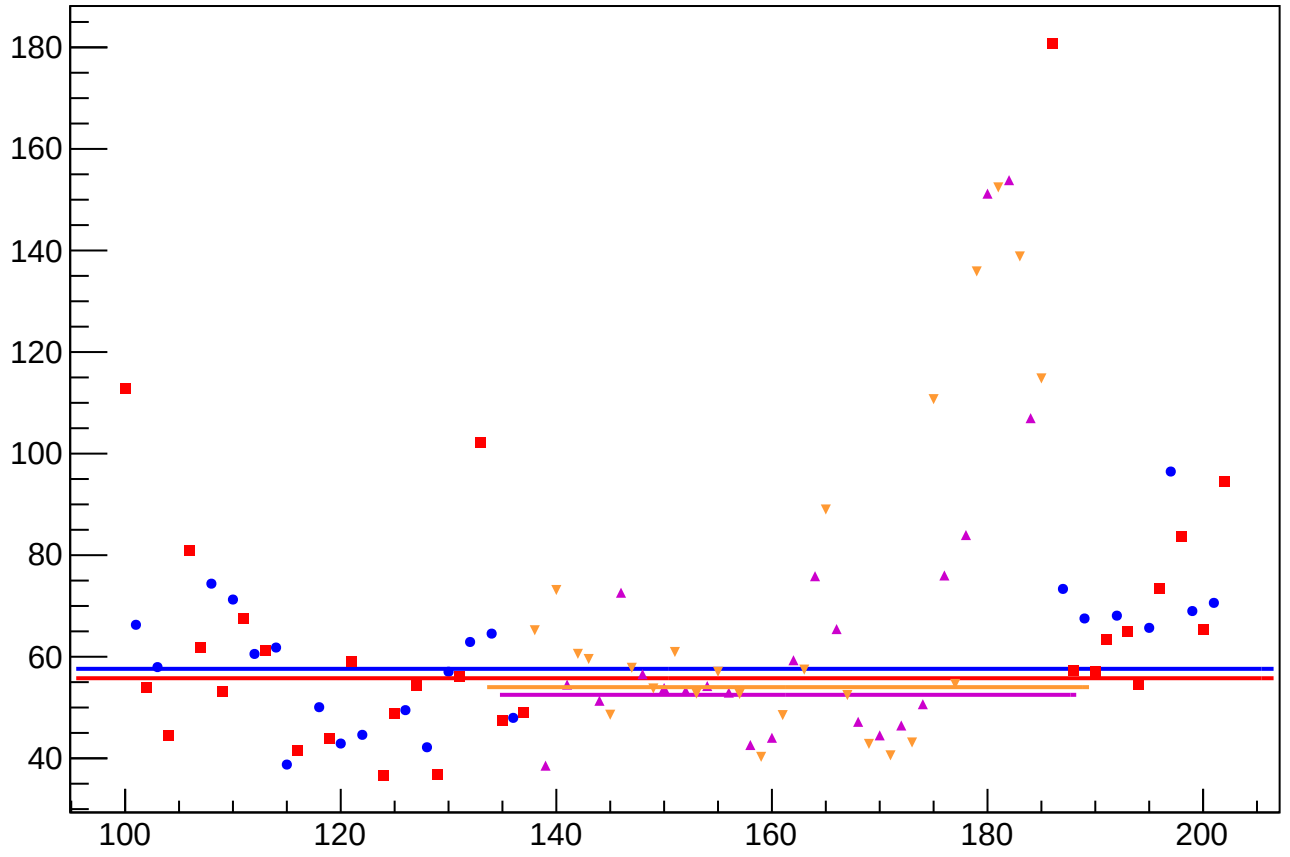
Right Out: 0.011+/-0.016 χ^2/NDF: 17.7/28

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.007+/-0.011 χ^2/NDF: 46.8/47

All: 0.003+/-0.007 χ^2/NDF: 97.7/99

- sign -0.001+/-0.010 χ^2/NDF: 50.6/51



Right In: 57.621+/-0.012 χ^2/NDF: 996648.5/22

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

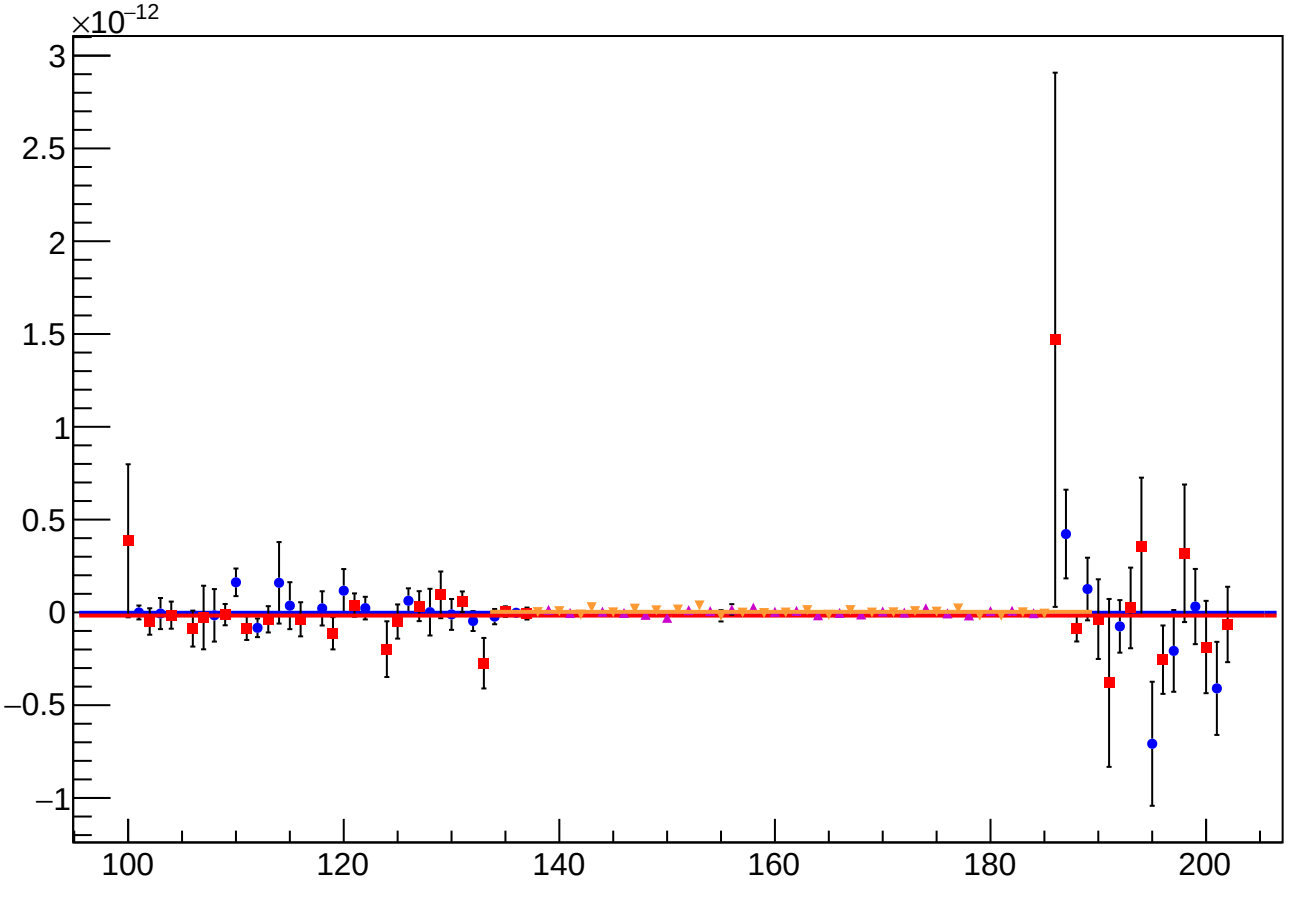
Right Out: 55.770+/-0.011 χ^2/NDF: 1739706.3/28

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 55.348+/-0.007 χ^2/NDF: 4279105.6/47

All: 54.575+/-0.005 χ^2/NDF: 8648228.8/99

- sign 53.861+/-0.007 χ^2/NDF: 4348305.6/51



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

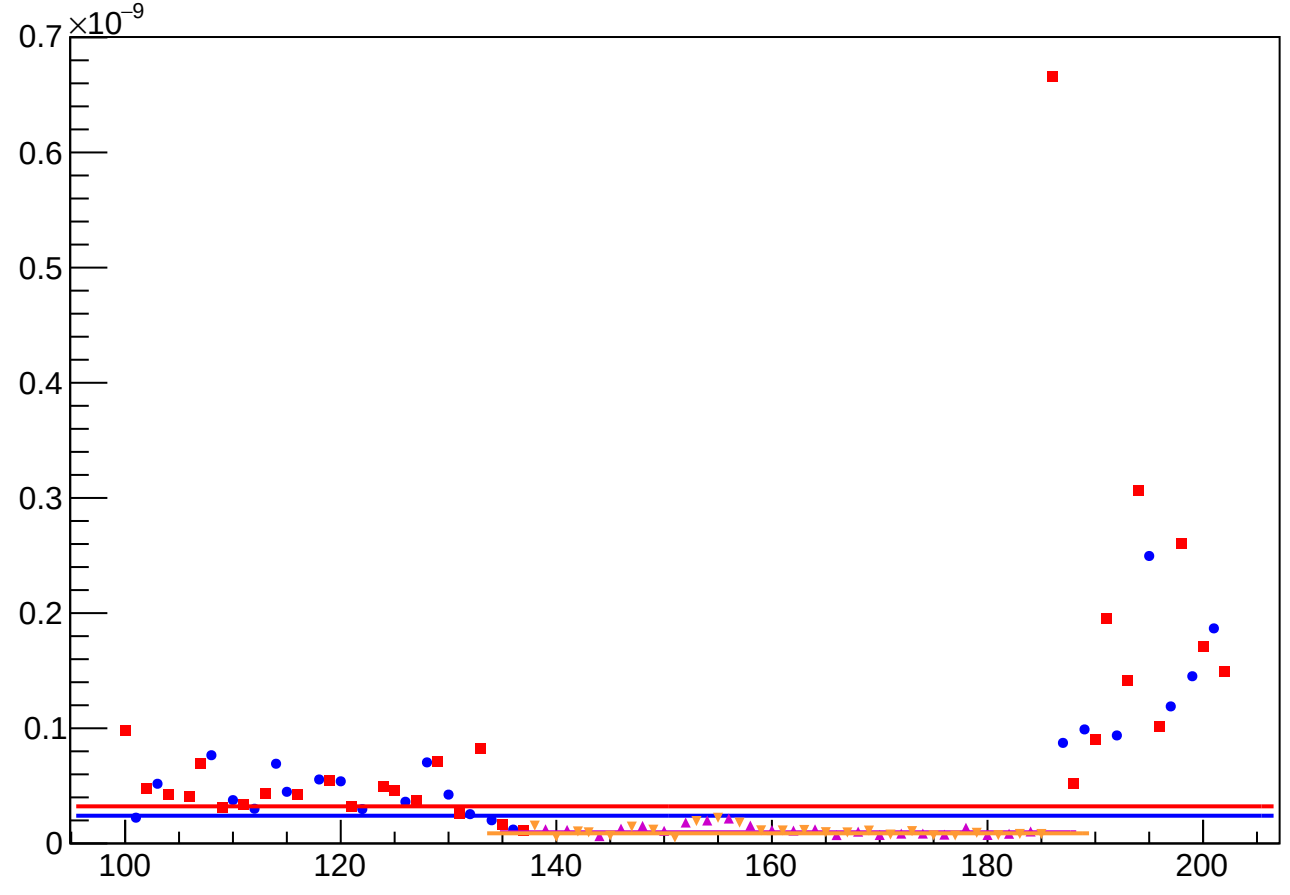
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/28

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.3/47

All: 0.000+/-0.000 χ^2/NDF: 82.9/99

- sign 0.000+/-0.000 χ^2/NDF: 37.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 6460358.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7407793.4/28

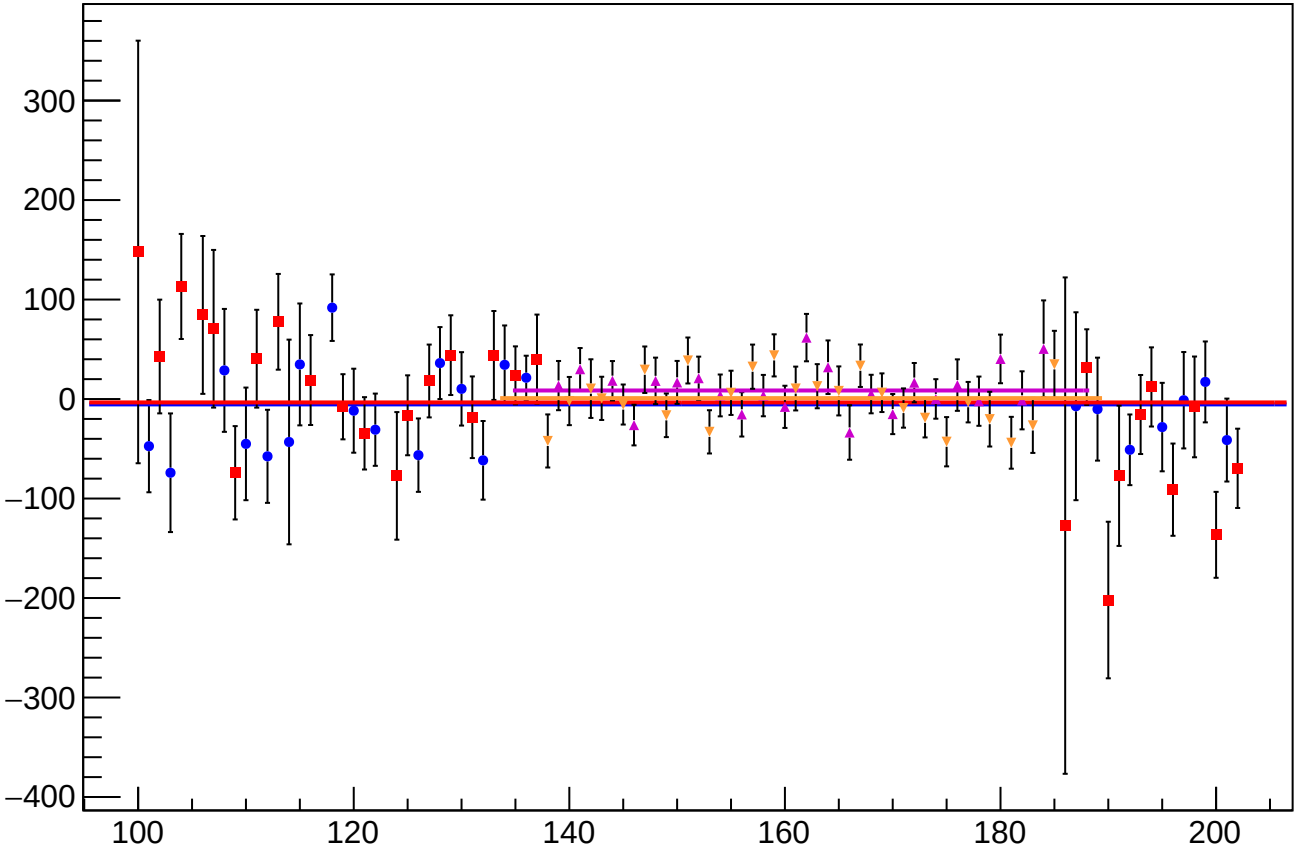
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12149469.7/47

All: 0.000+/-0.000 χ^2/NDF: 26982300.3/99

- sign 0.000+/-0.000 χ^2/NDF: 14665505.9/51

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.386+/-8.672 χ^2/NDF: 24.6/22

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -3.405+/-8.499 χ^2/NDF: 46.0/28

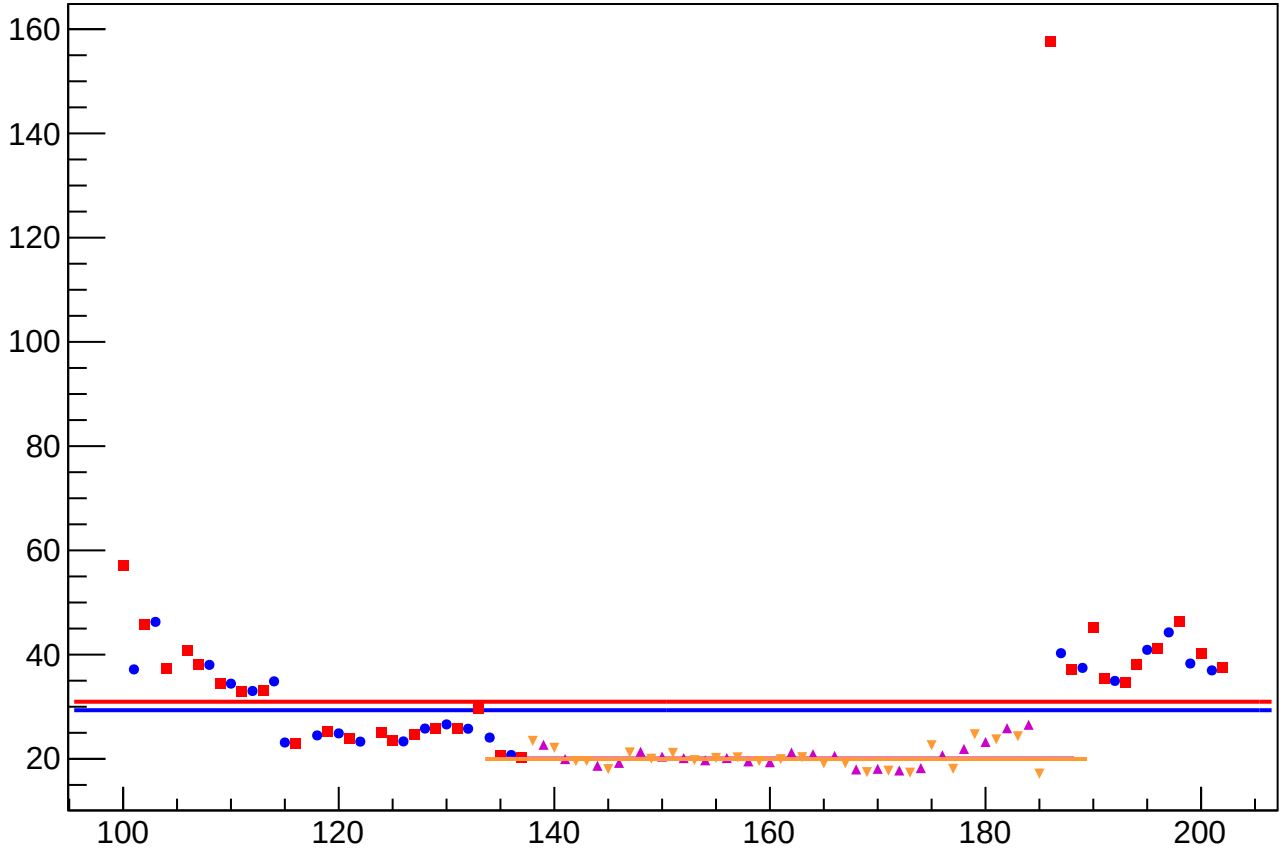
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.455+/-4.046 χ^2/NDF: 54.2/47

All: 2.593+/-2.890 χ^2/NDF: 122.2/99

- sign 5.767+/-4.129 χ^2/NDF: 66.8/51

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.332+/-0.006 χ^2/NDF: 1483636.2/22

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

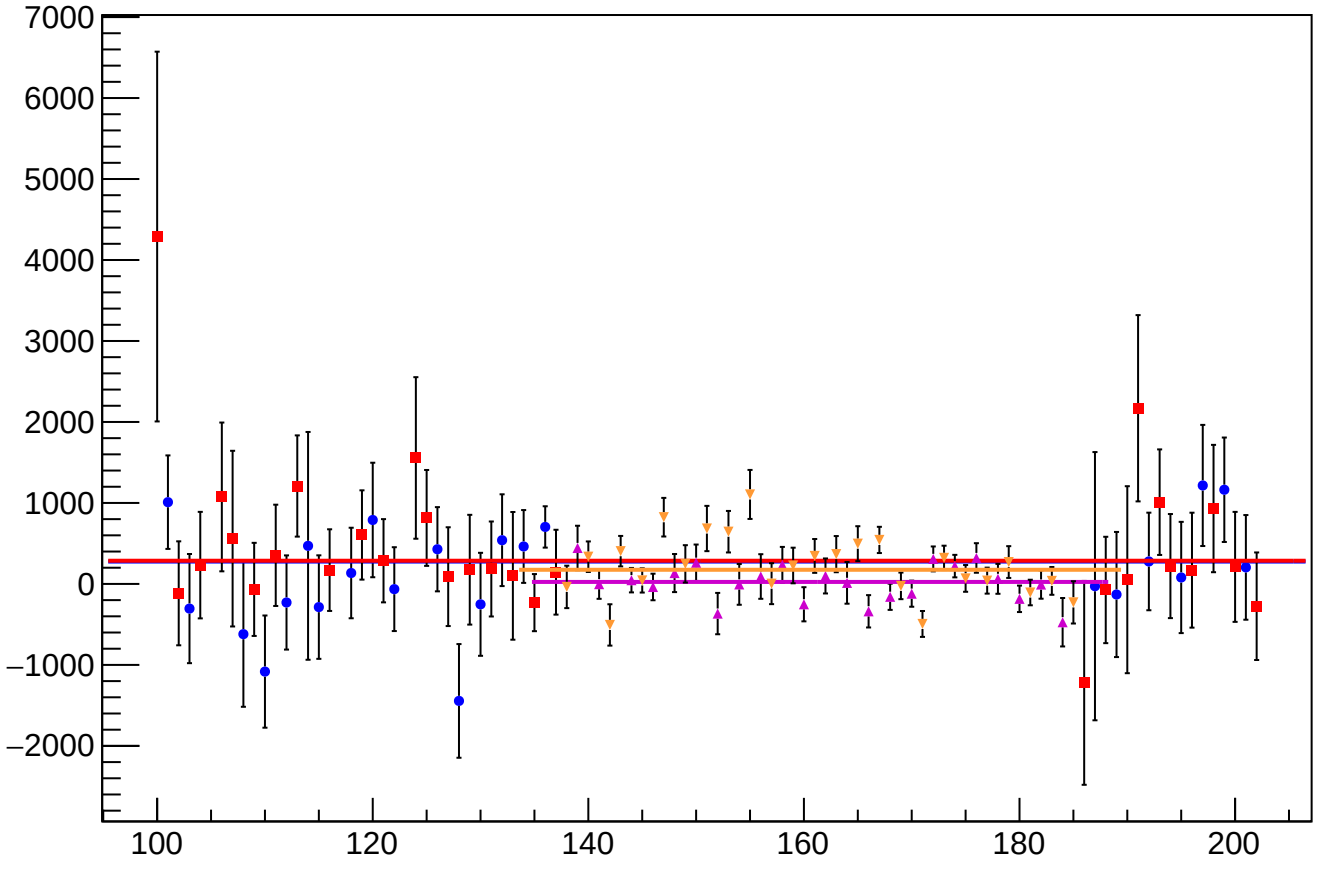
Right Out: 30.963+/-0.006 χ^2/NDF: 2185149.3/28

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.006+/-0.003 χ^2/NDF: 3694645.9/47

All: 22.318+/-0.002 χ^2/NDF: 8714612.2/99

- sign 22.643+/-0.003 χ^2/NDF: 4995751.5/51



Right In: 276.337+/-120.845 χ^2/NDF: 23.6/22

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

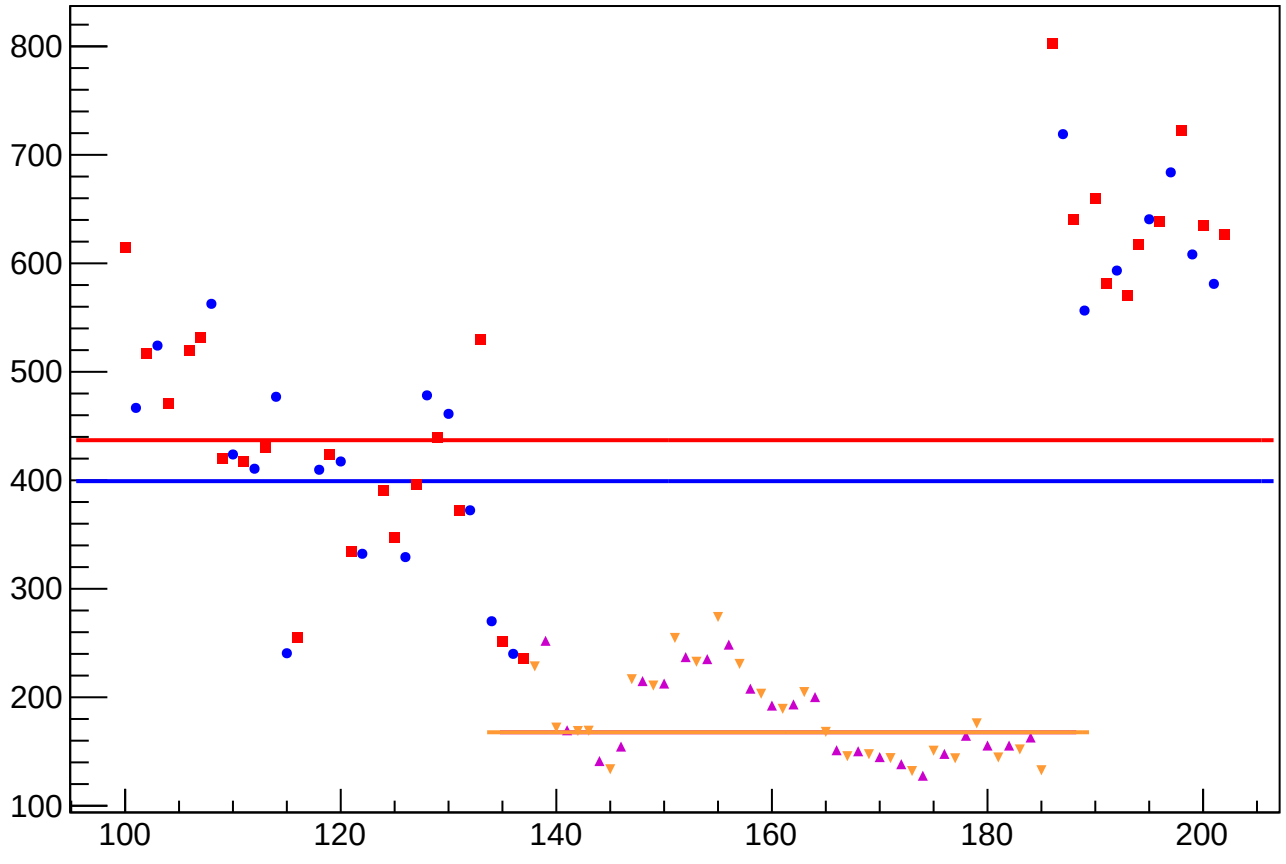
Right Out: 286.383+/-120.985 χ^2/NDF: 19.2/28

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 184.302+/-37.157 χ^2/NDF: 95.5/47

All: 118.953+/-26.580 χ^2/NDF: 152.1/99

- sign 50.467+/-38.038 χ^2/NDF: 50.3/51



Right In: 399.233+/-0.085 χ^2/NDF: 2628438.7/22

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

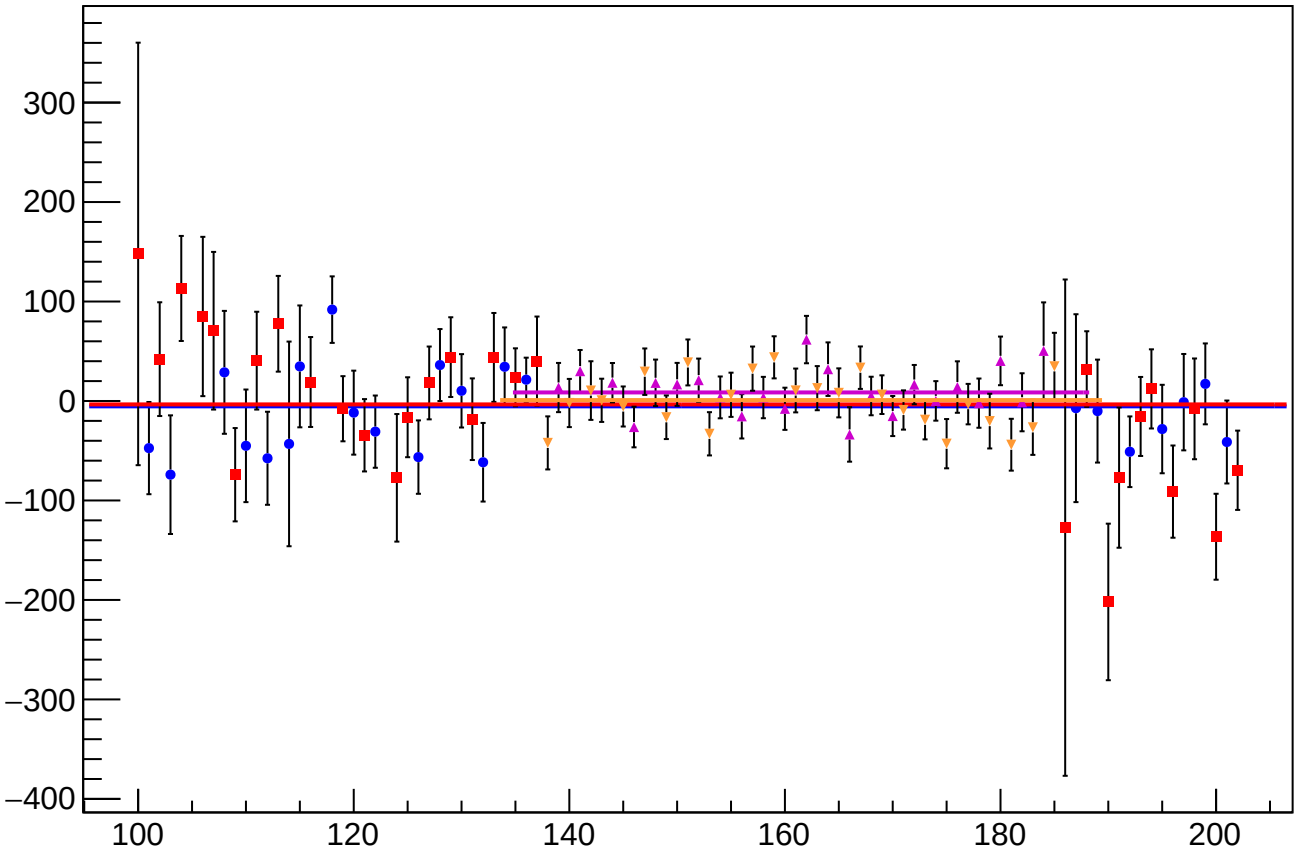
Right Out: 436.984+/-0.086 χ^2/NDF: 2849979.7/28

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 189.639+/-0.026 χ^2/NDF: 10851141.5/47

All: 191.945+/-0.019 χ^2/NDF: 24045404.5/99

- sign 194.362+/-0.027 χ^2/NDF: 13178484.3/51



Right In: -5.384+/-8.672 χ^2/NDF: 24.6/22

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -3.435+/-8.500 χ^2/NDF: 45.9/28

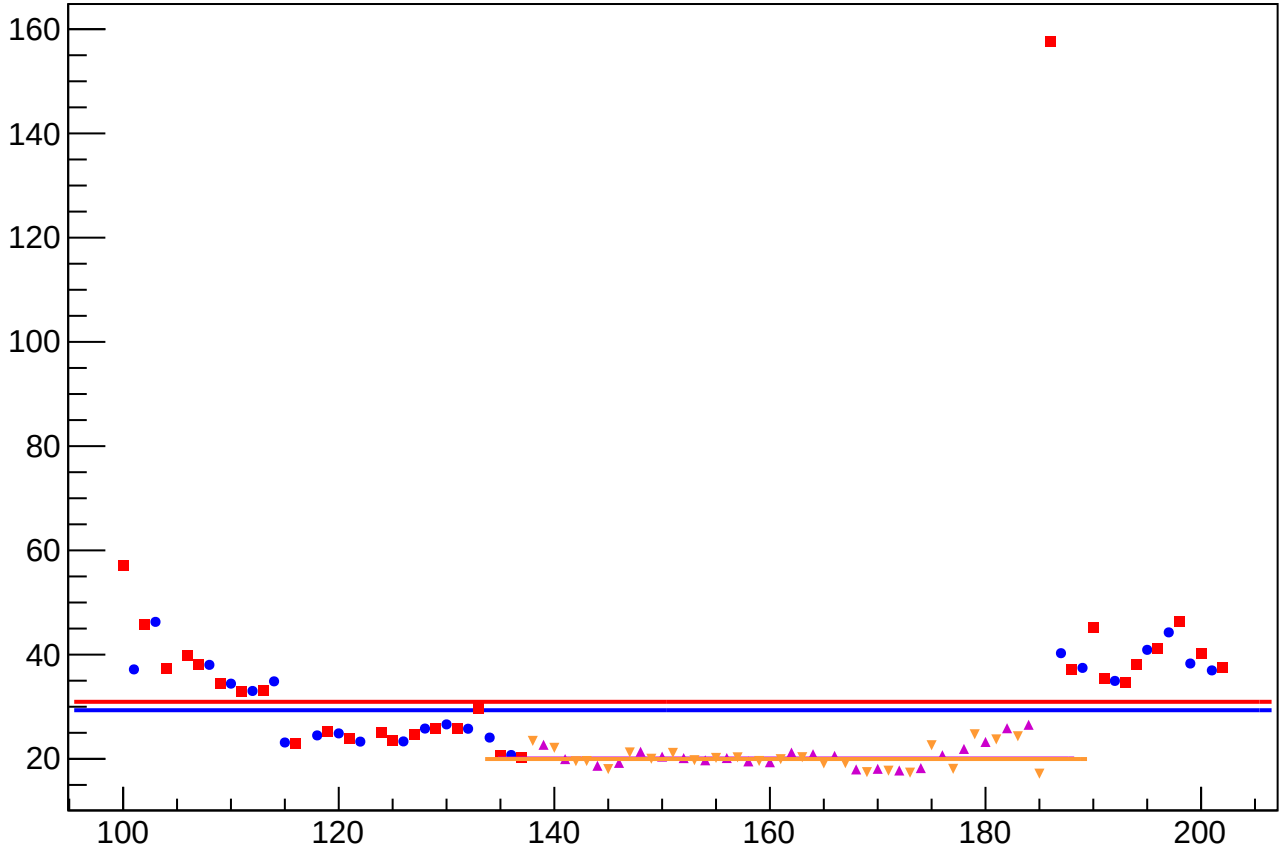
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.456+/-4.046 χ^2/NDF: 54.2/47

All: 2.589+/-2.890 χ^2/NDF: 122.2/99

- sign 5.761+/-4.129 χ^2/NDF: 66.8/51

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.332+/-0.006 χ^2/NDF: 1483639.4/22

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

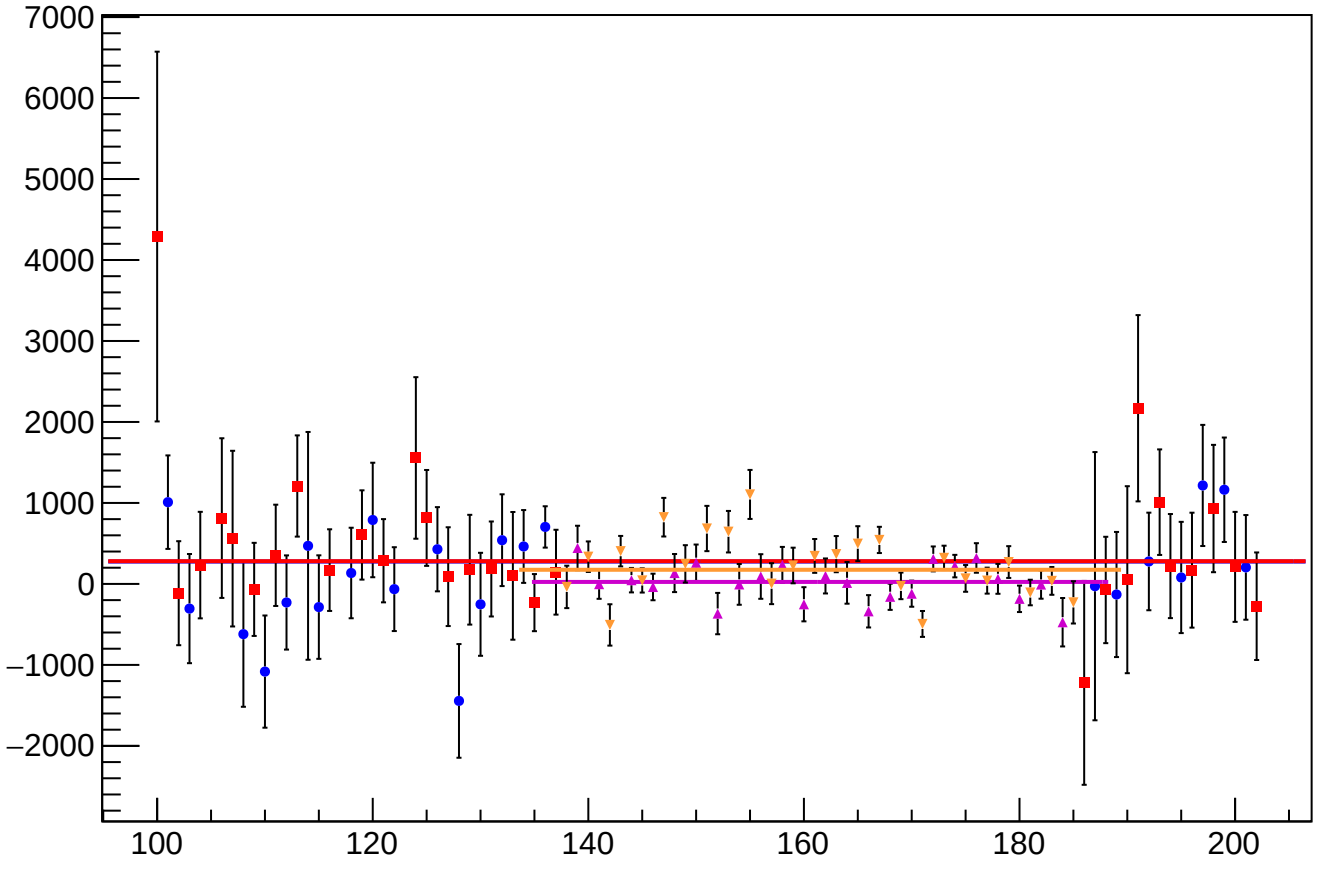
Right Out: 30.949+/-0.006 χ^2/NDF: 2178489.5/28

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.006+/-0.003 χ^2/NDF: 3694649.3/47

All: 22.316+/-0.002 χ^2/NDF: 8700719.8/99

- sign 22.639+/-0.003 χ^2/NDF: 4982143.8/51



Right In: 276.331+/-120.846 χ^2/NDF: 23.6/22

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

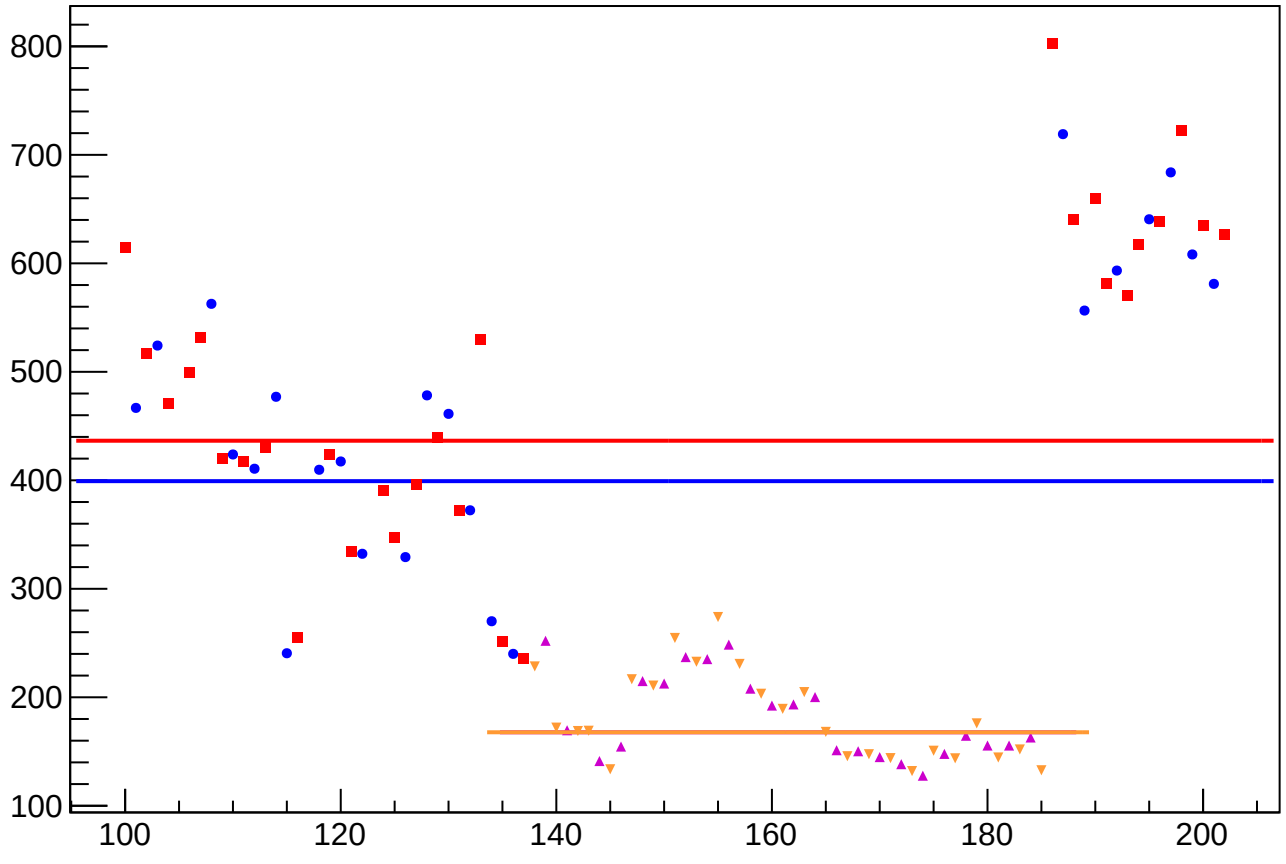
Right Out: 280.703+/-121.126 χ^2/NDF: 18.8/28

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 184.300+/-37.157 χ^2/NDF: 95.5/47

All: 118.660+/-26.582 χ^2/NDF: 151.6/99

- sign 49.854+/-38.043 χ^2/NDF: 49.7/51



Right In: 399.234+/-0.085 χ^2/NDF: 2628464.7/22

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

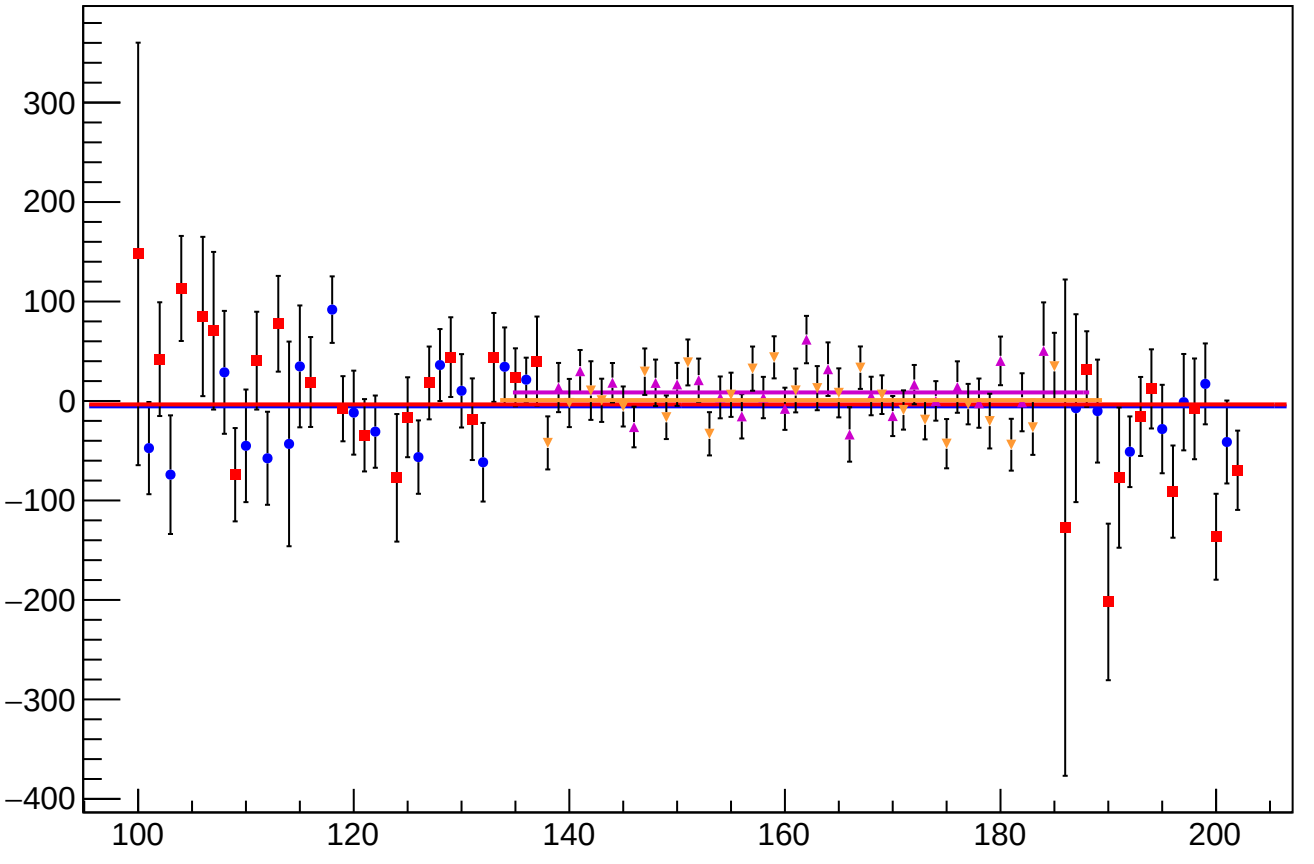
Right Out: 436.493+/-0.086 χ^2/NDF: 2841874.4/28

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 189.639+/-0.026 χ^2/NDF: 10851165.2/47

All: 191.894+/-0.019 χ^2/NDF: 23985564.8/99

- sign 194.258+/-0.027 χ^2/NDF: 13119308.6/51



Right In: -5.384+/-8.672 χ^2/NDF: 24.6/22

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -3.435+/-8.500 χ^2/NDF: 45.9/28

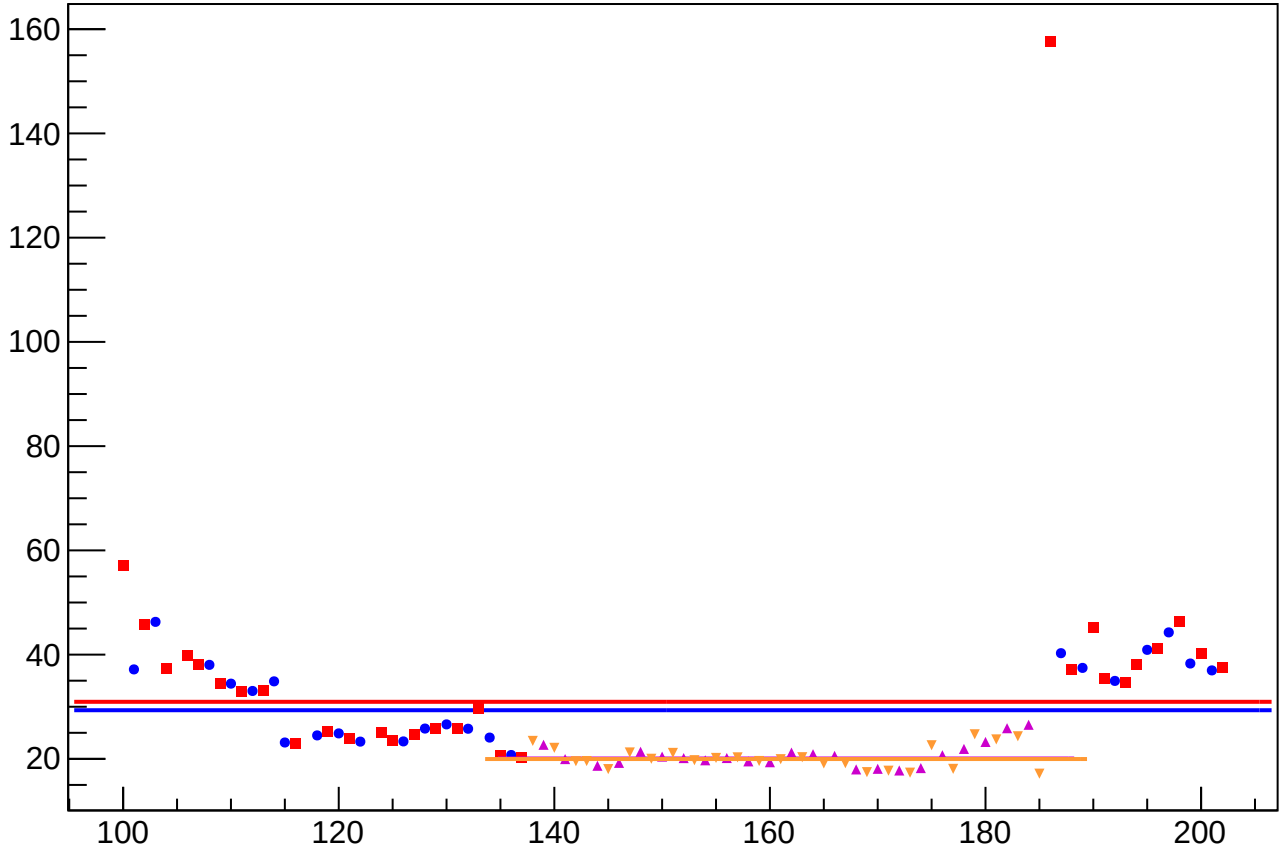
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.456+/-4.046 χ^2/NDF: 54.2/47

All: 2.589+/-2.890 χ^2/NDF: 122.2/99

- sign 5.761+/-4.129 χ^2/NDF: 66.8/51

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.332+/-0.006 χ^2/NDF: 1483639.4/22

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

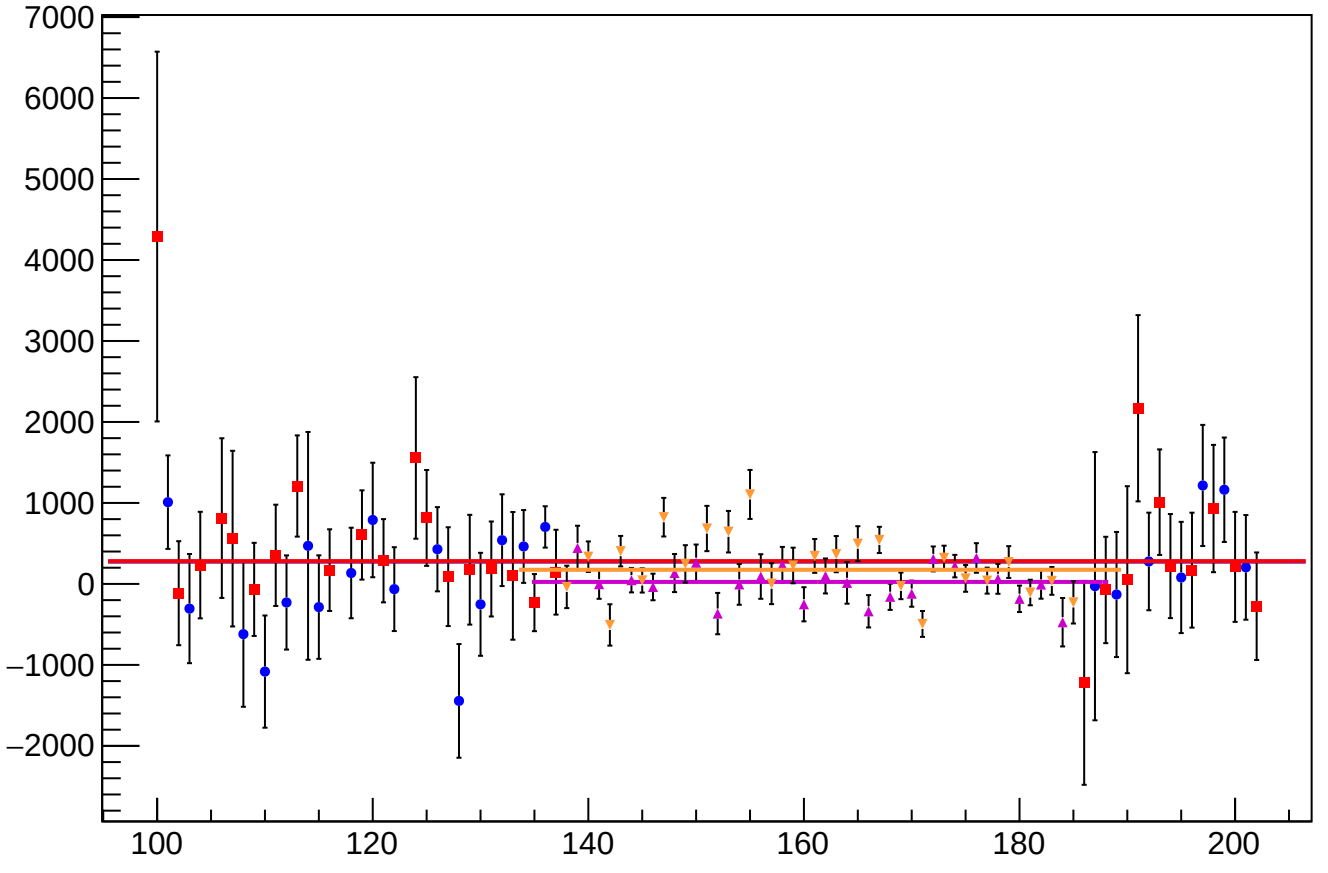
Right Out: 30.949+/-0.006 χ^2/NDF: 2178489.5/28

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.006+/-0.003 χ^2/NDF: 3694649.3/47

All: 22.316+/-0.002 χ^2/NDF: 8700719.8/99

- sign 22.639+/-0.003 χ^2/NDF: 4982143.8/51



Right In: 276.331+/-120.846 χ^2/NDF: 23.6/22

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

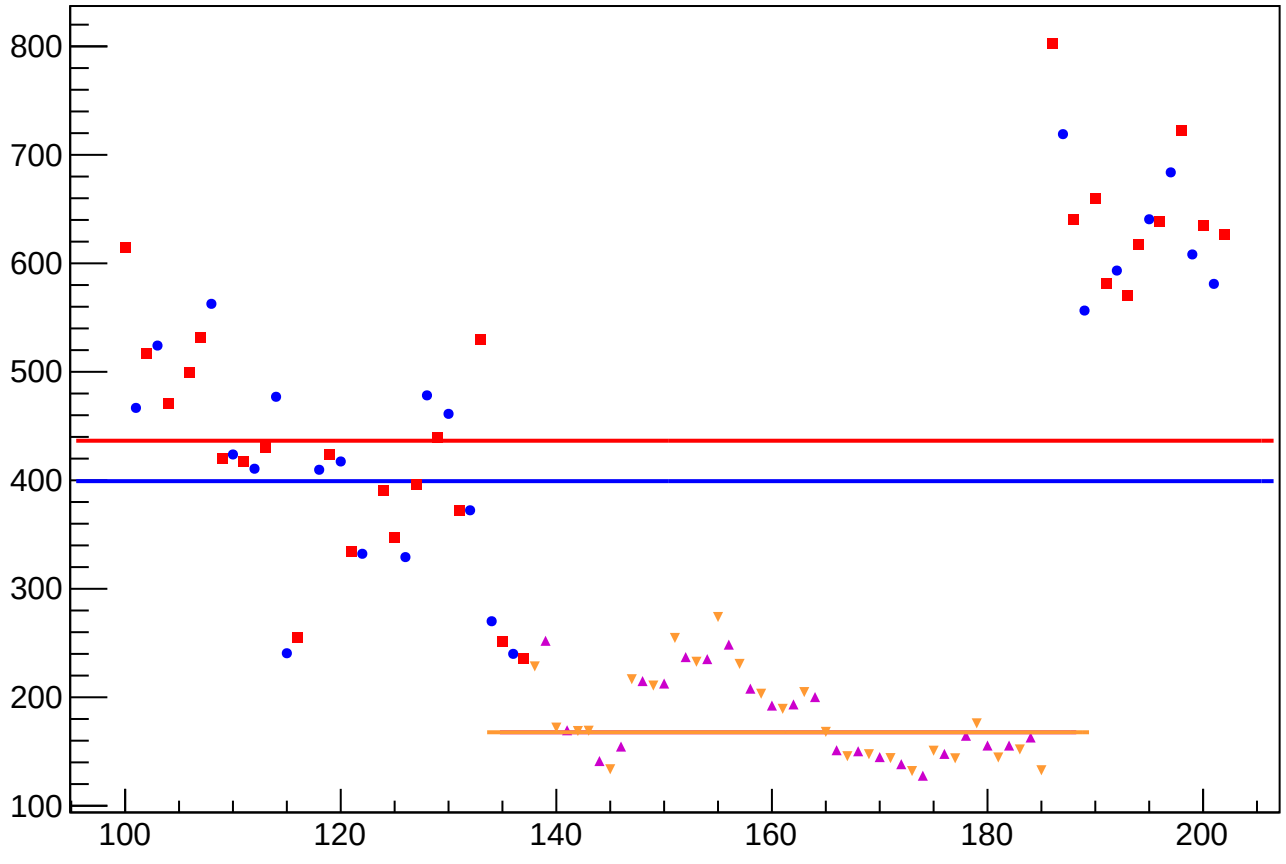
Right Out: 280.703+/-121.126 χ^2/NDF: 18.8/28

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 184.300+/-37.157 χ^2/NDF: 95.5/47

All: 118.660+/-26.582 χ^2/NDF: 151.6/99

- sign 49.854+/-38.043 χ^2/NDF: 49.7/51



Right In: 399.234+/-0.085 χ^2/NDF: 2628464.7/22

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 436.493+/-0.086 χ^2/NDF: 2841874.4/28

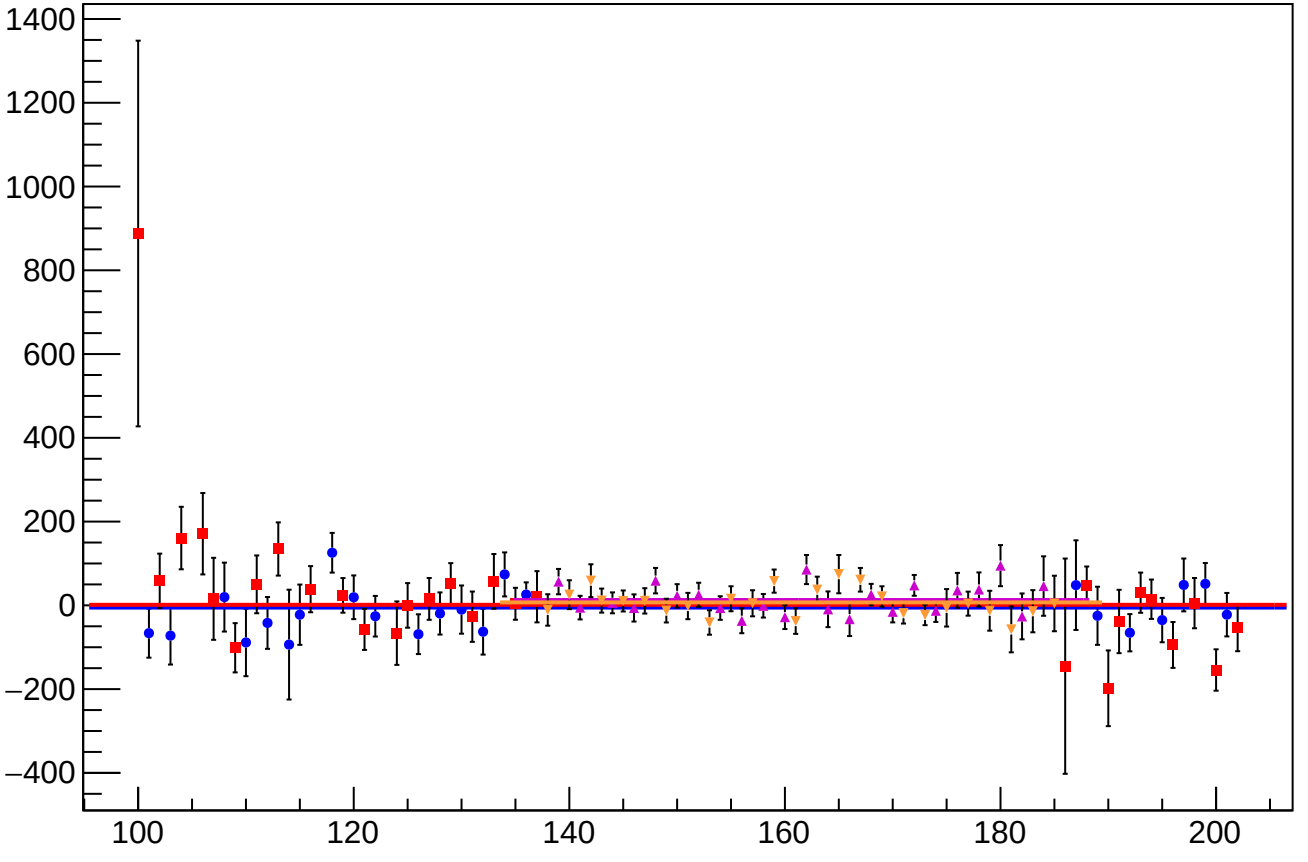
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 189.639+/-0.026 χ^2/NDF: 10851165.2/47

All: 191.894+/-0.019 χ^2/NDF: 23985564.8/99

- sign 194.258+/-0.027 χ^2/NDF: 13119308.6/51

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.271+/-11.352 χ^2/NDF: 23.1/22

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 1.279+/-10.836 χ^2/NDF: 46.0/28

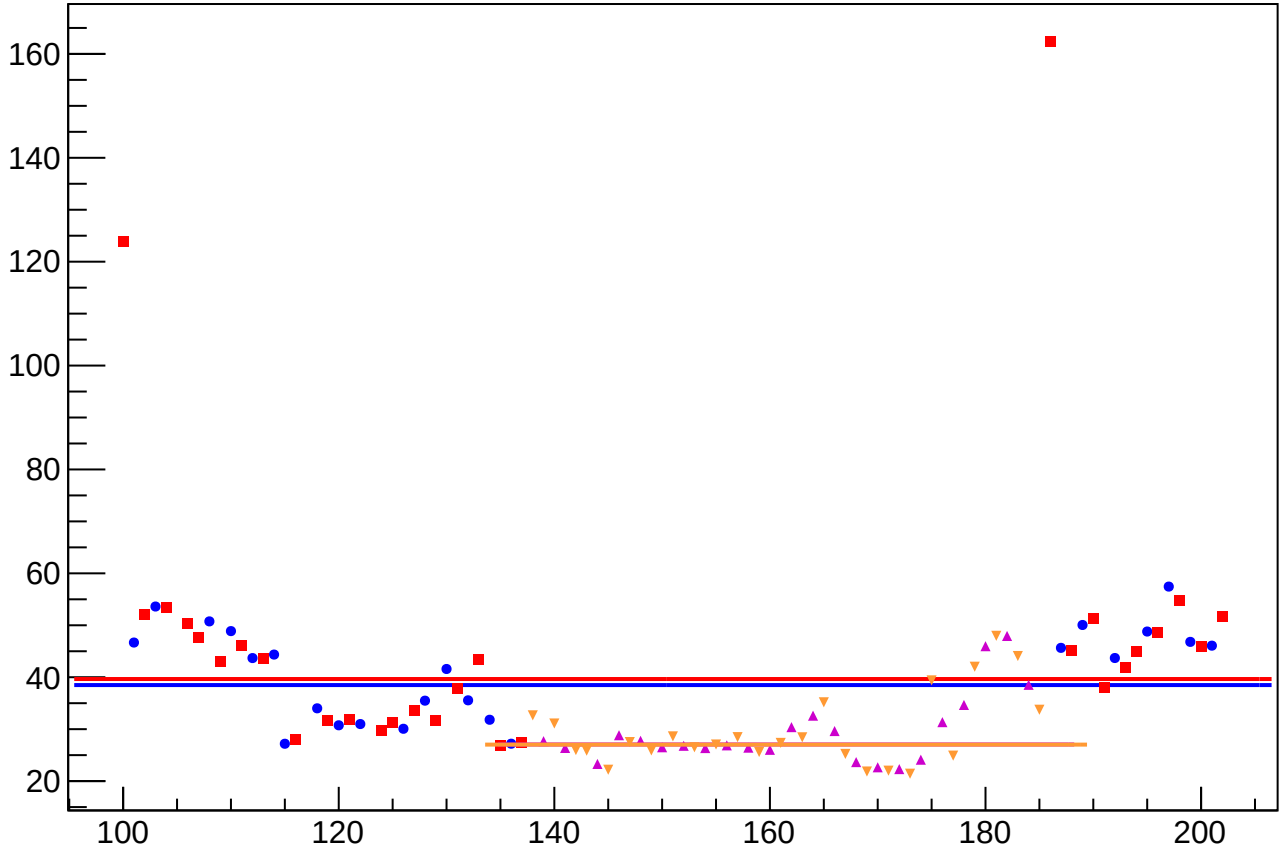
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 4.148+/-5.531 χ^2/NDF: 46.7/47

All: 6.881+/-3.929 χ^2/NDF: 119.7/99

- sign 9.666+/-5.583 χ^2/NDF: 72.4/51

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 38.489+/-0.008 χ^2/NDF: 1252971.8/22

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

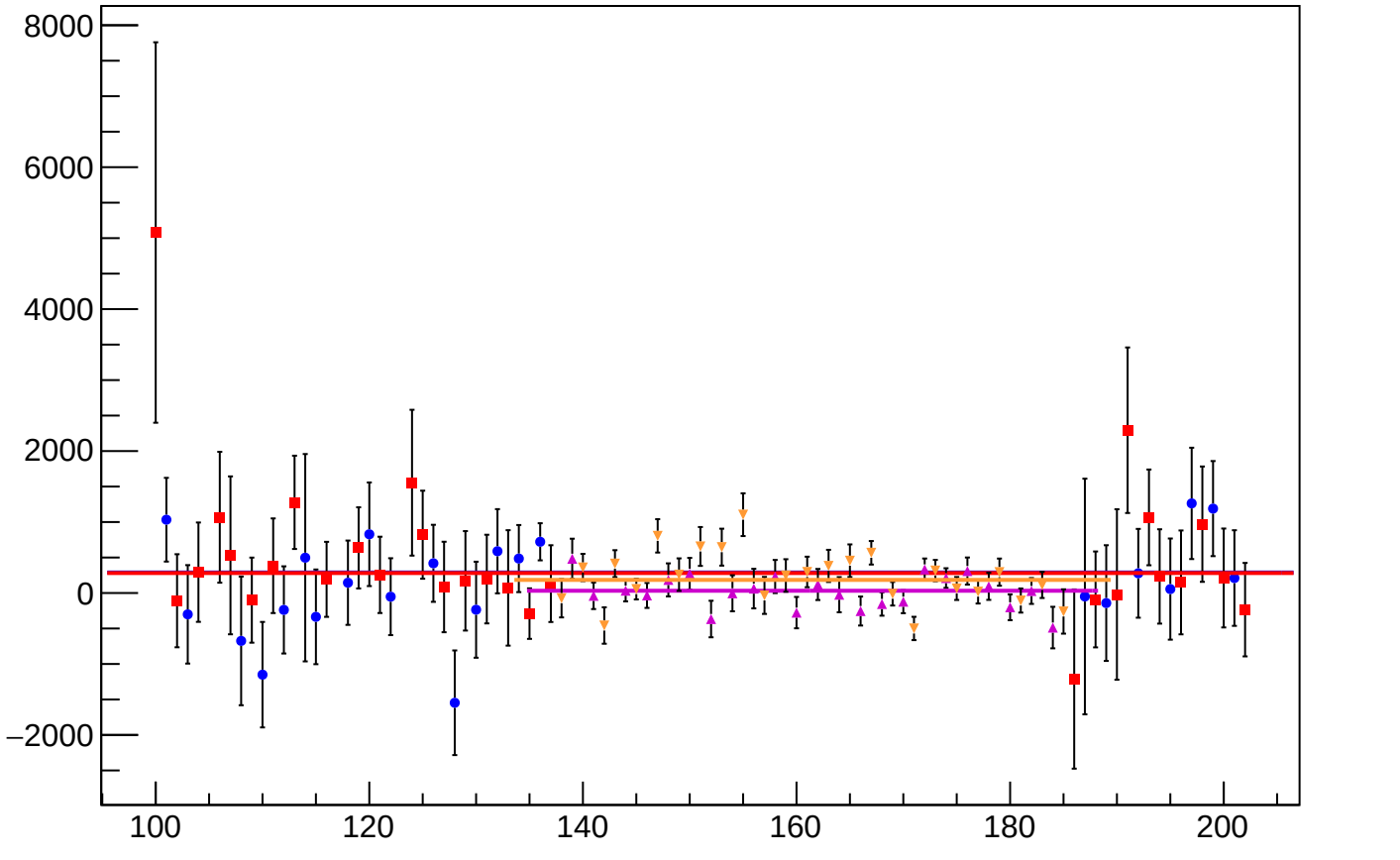
Right Out: 39.654+/-0.008 χ^2/NDF: 1820341.1/28

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 29.747+/-0.004 χ^2/NDF: 4238805.5/47

All: 30.069+/-0.003 χ^2/NDF: 9104122.1/99

- sign 30.397+/-0.004 χ^2/NDF: 4851660.7/51



Right In: 288.949+/-125.718 χ^2/NDF: 23.6/22

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

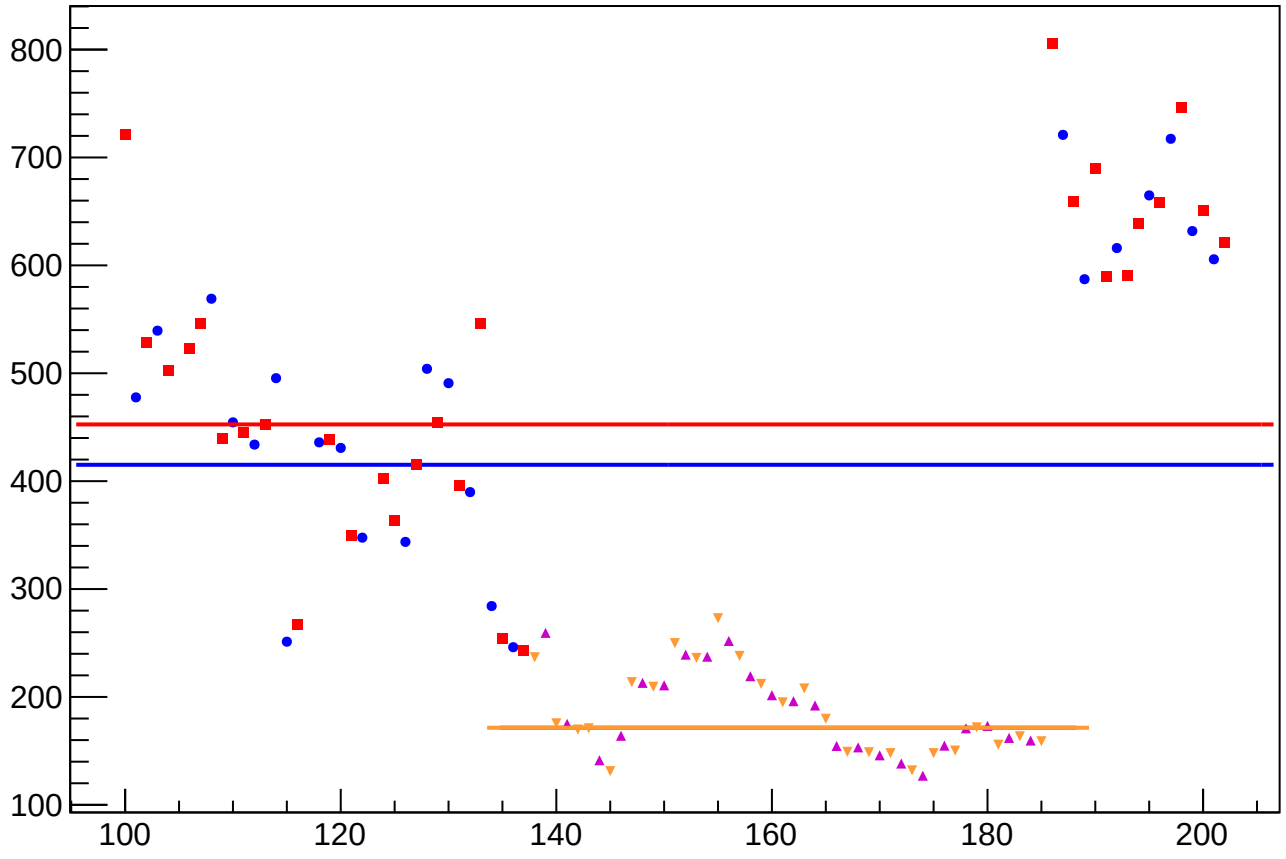
Right Out: 281.468+/-125.171 χ^2/NDF: 20.1/28

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 194.187+/-37.972 χ^2/NDF: 92.0/47

All: 126.859+/-27.186 χ^2/NDF: 148.5/99

- sign 56.047+/-38.942 χ^2/NDF: 50.1/51



Right In: 415.166+/-0.089 χ^2/NDF: 2668849.9/22

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 452.590+/-0.089 χ^2/NDF: 2822288.1/28

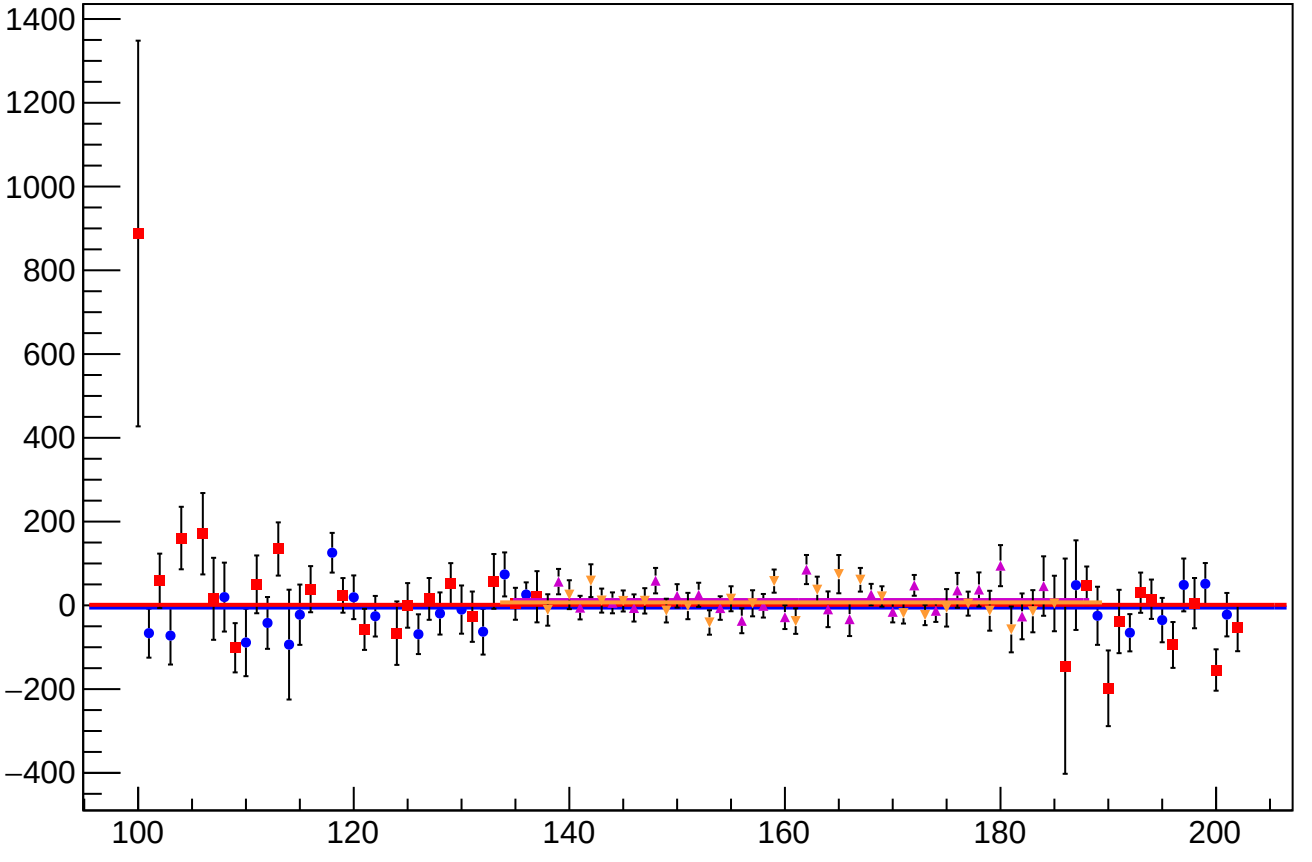
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 193.662+/-0.027 χ^2/NDF: 11027605.2/47

All: 196.116+/-0.019 χ^2/NDF: 24393192.4/99

- sign 198.697+/-0.028 χ^2/NDF: 13348451.1/51

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.272+/-11.352 χ^2/NDF: 23.1/22

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 1.279+/-10.836 χ^2/NDF: 46.0/28

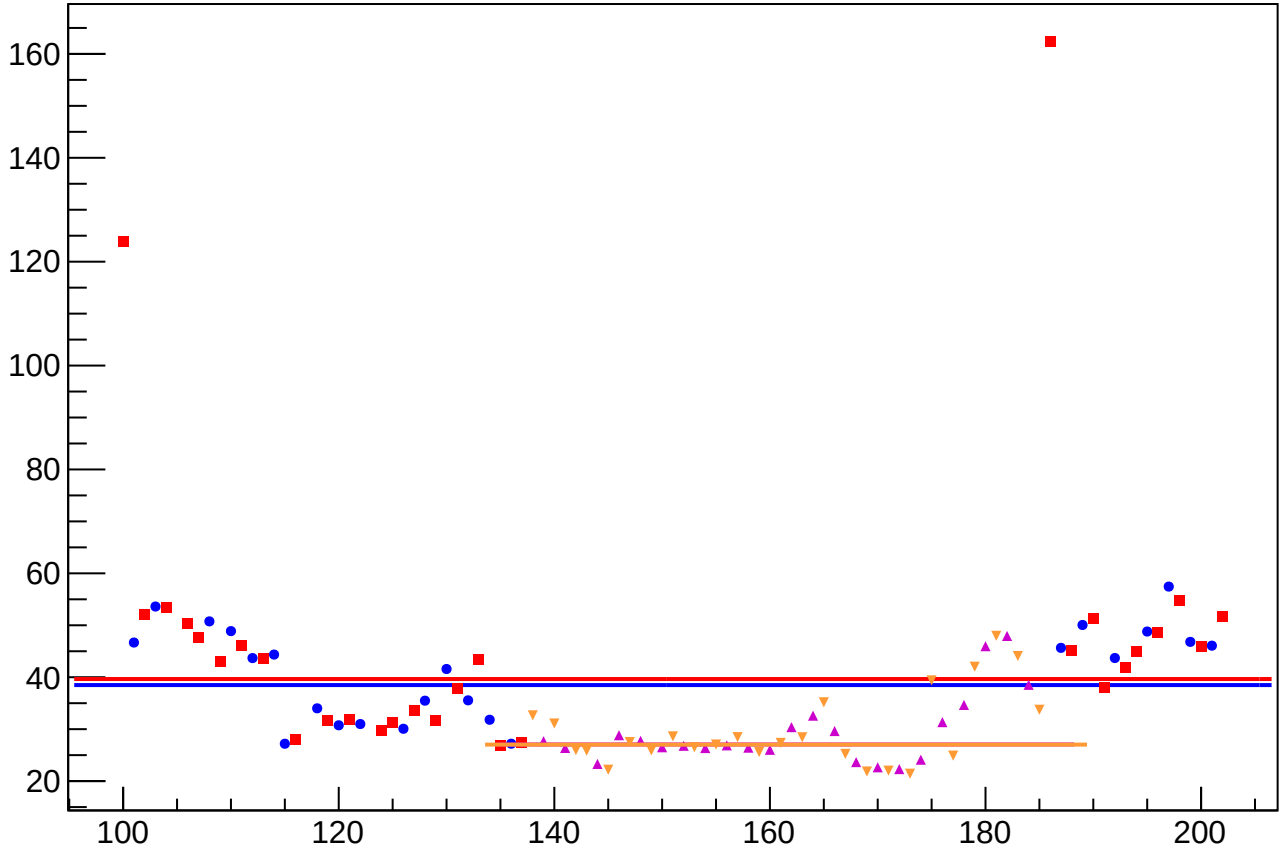
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 4.147+/-5.531 χ^2/NDF: 46.7/47

All: 6.881+/-3.929 χ^2/NDF: 119.7/99

- sign 9.666+/-5.583 χ^2/NDF: 72.4/51

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 38.489+/-0.008 χ^2/NDF: 1252977.0/22

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

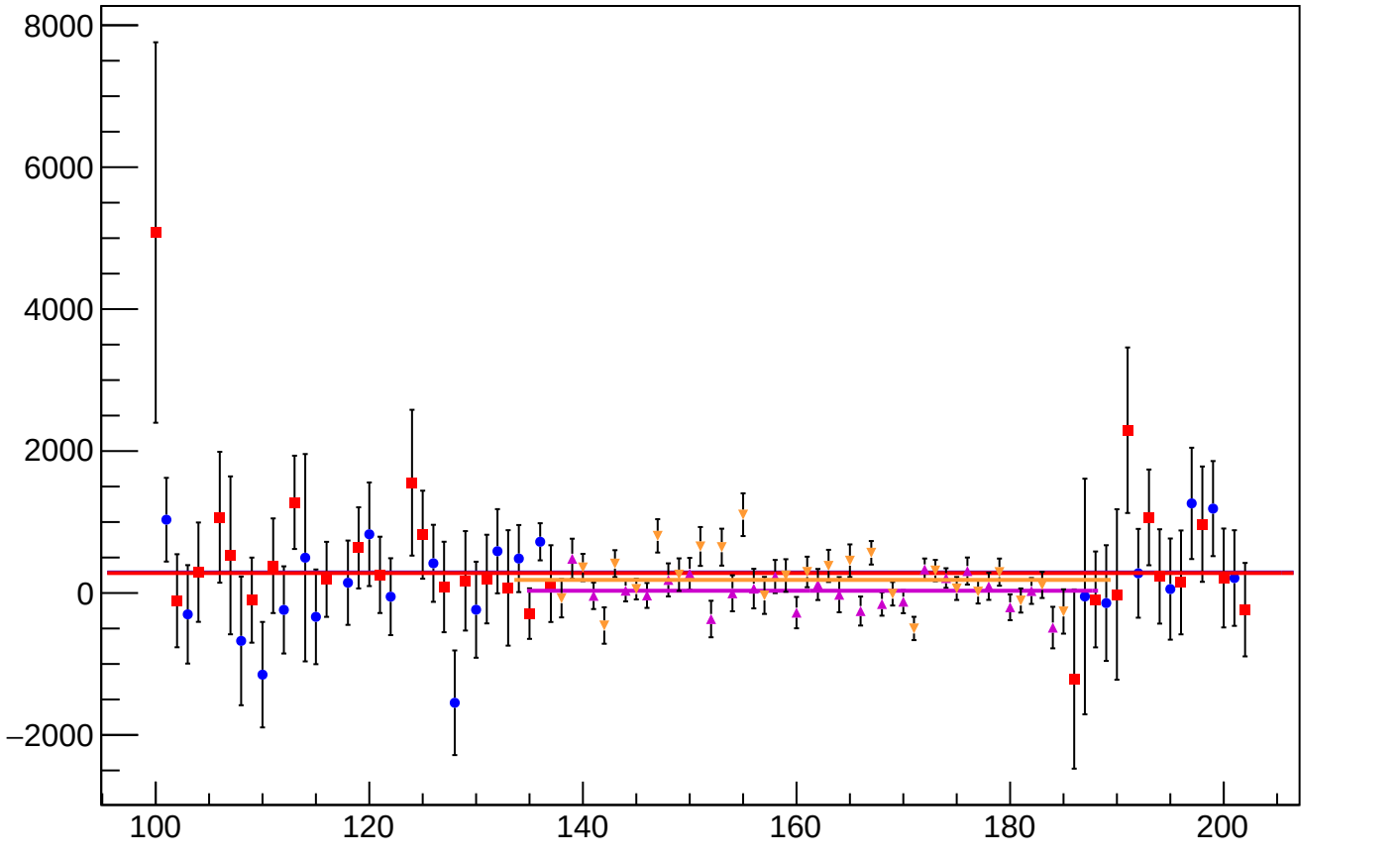
Right Out: 39.654+/-0.008 χ^2/NDF: 1820374.2/28

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 29.747+/-0.004 χ^2/NDF: 4238704.5/47

All: 30.069+/-0.003 χ^2/NDF: 9103928.5/99

- sign 30.397+/-0.004 χ^2/NDF: 4851569.0/51



Right In: 288.947+/-125.718 χ^2/NDF: 23.6/22

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

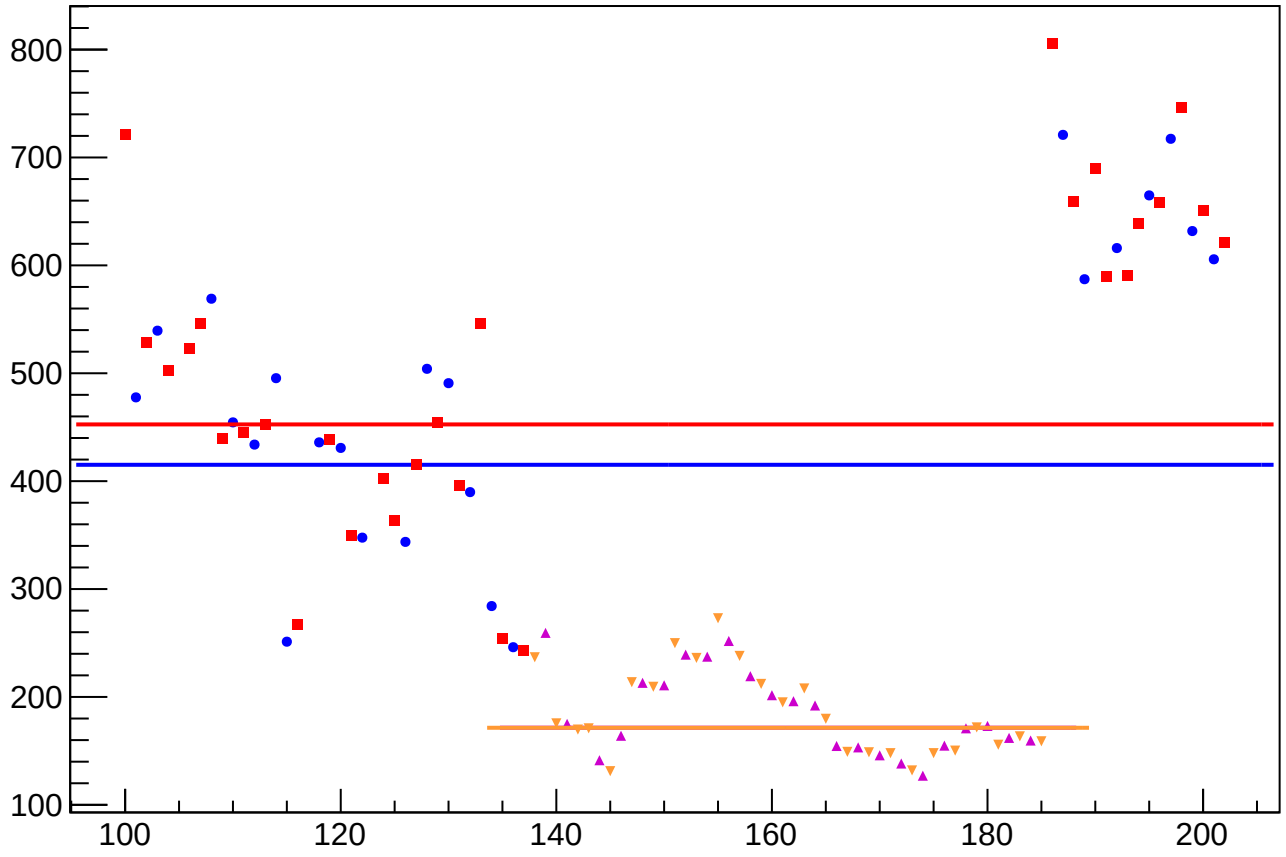
Right Out: 281.468+/-125.170 χ^2/NDF: 20.1/28

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 194.187+/-37.972 χ^2/NDF: 92.0/47

All: 126.858+/-27.186 χ^2/NDF: 148.5/99

- sign 56.047+/-38.941 χ^2/NDF: 50.1/51



Right In: 415.165+/-0.089 χ^2/NDF: 2668854.4/22

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 452.589+/-0.089 χ^2/NDF: 2822299.4/28

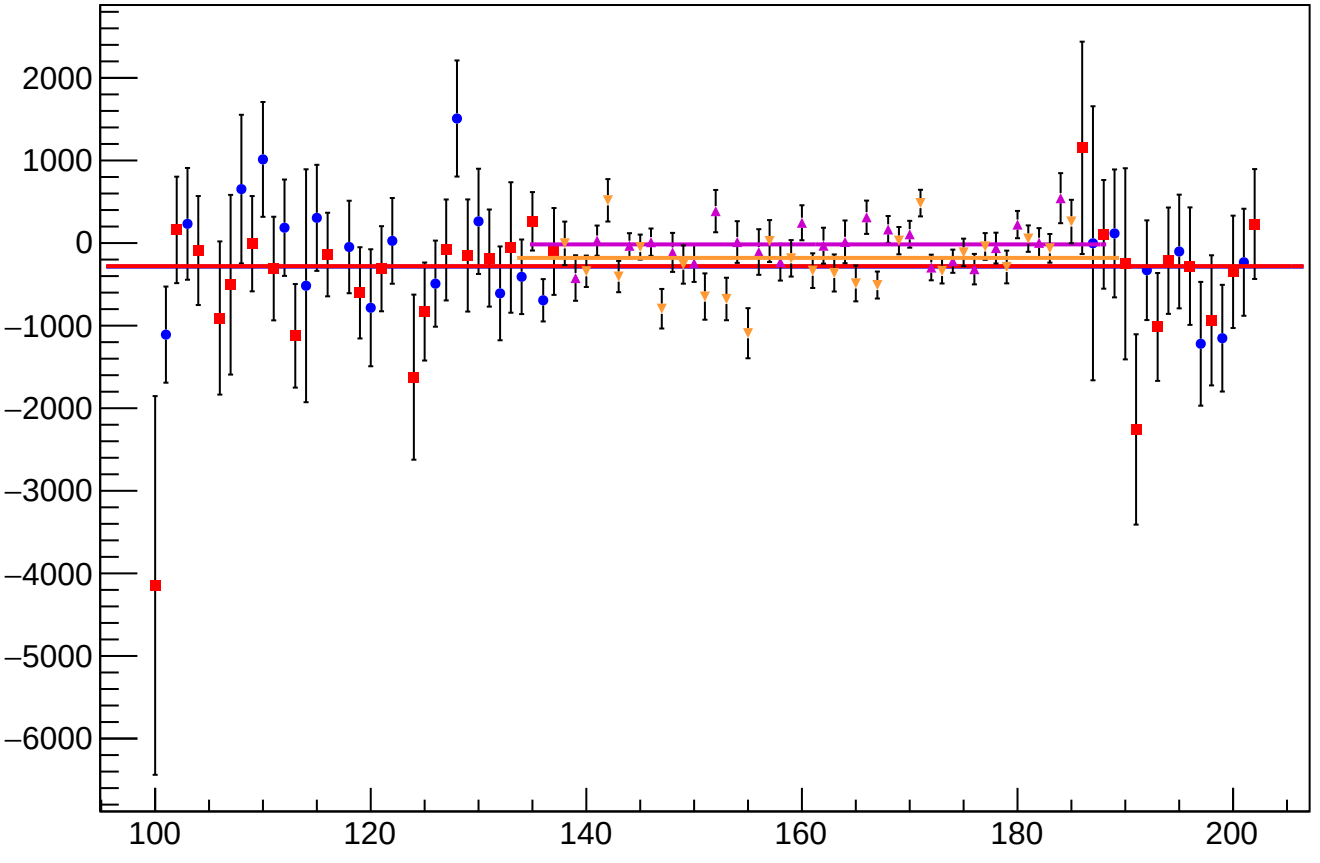
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 193.662+/-0.027 χ^2/NDF: 11027634.9/47

All: 196.116+/-0.019 χ^2/NDF: 24393262.2/99

- sign 198.696+/-0.028 χ^2/NDF: 13348491.8/51

asym_sam_1357_2468_dd_mean vs Slug



Right In: -285.204+/-121.242 χ^2/NDF: 23.8/22

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -279.674+/-121.359 χ^2/NDF: 18.8/28

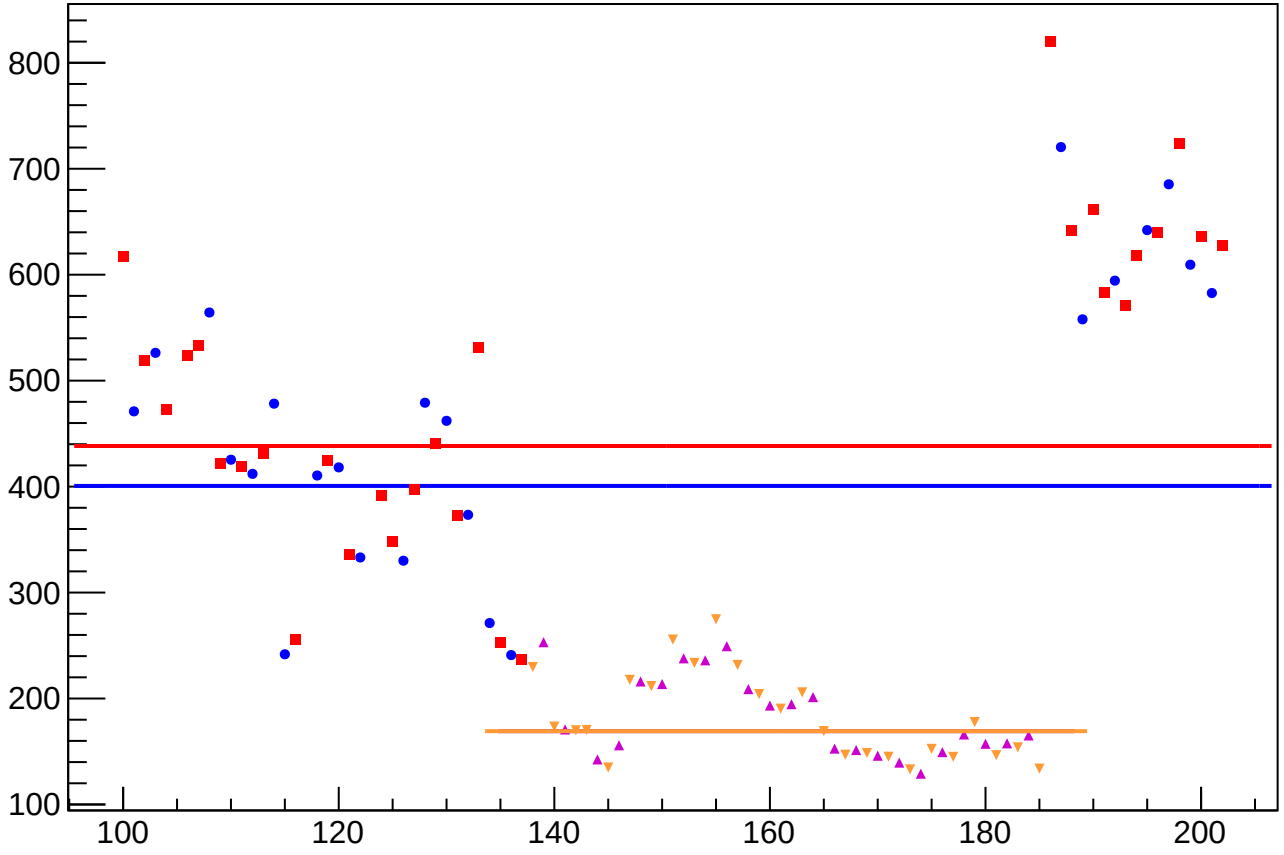
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -189.721+/-37.440 χ^2/NDF: 91.6/47

All: -117.765+/-26.783 χ^2/NDF: 148.8/99

- sign -42.352+/-38.329 χ^2/NDF: 49.7/51

asym_sam_1357_2468_dd_rms vs Slug



Right In: 400.643+/-0.086 χ^2/NDF: 2620432.6/22

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

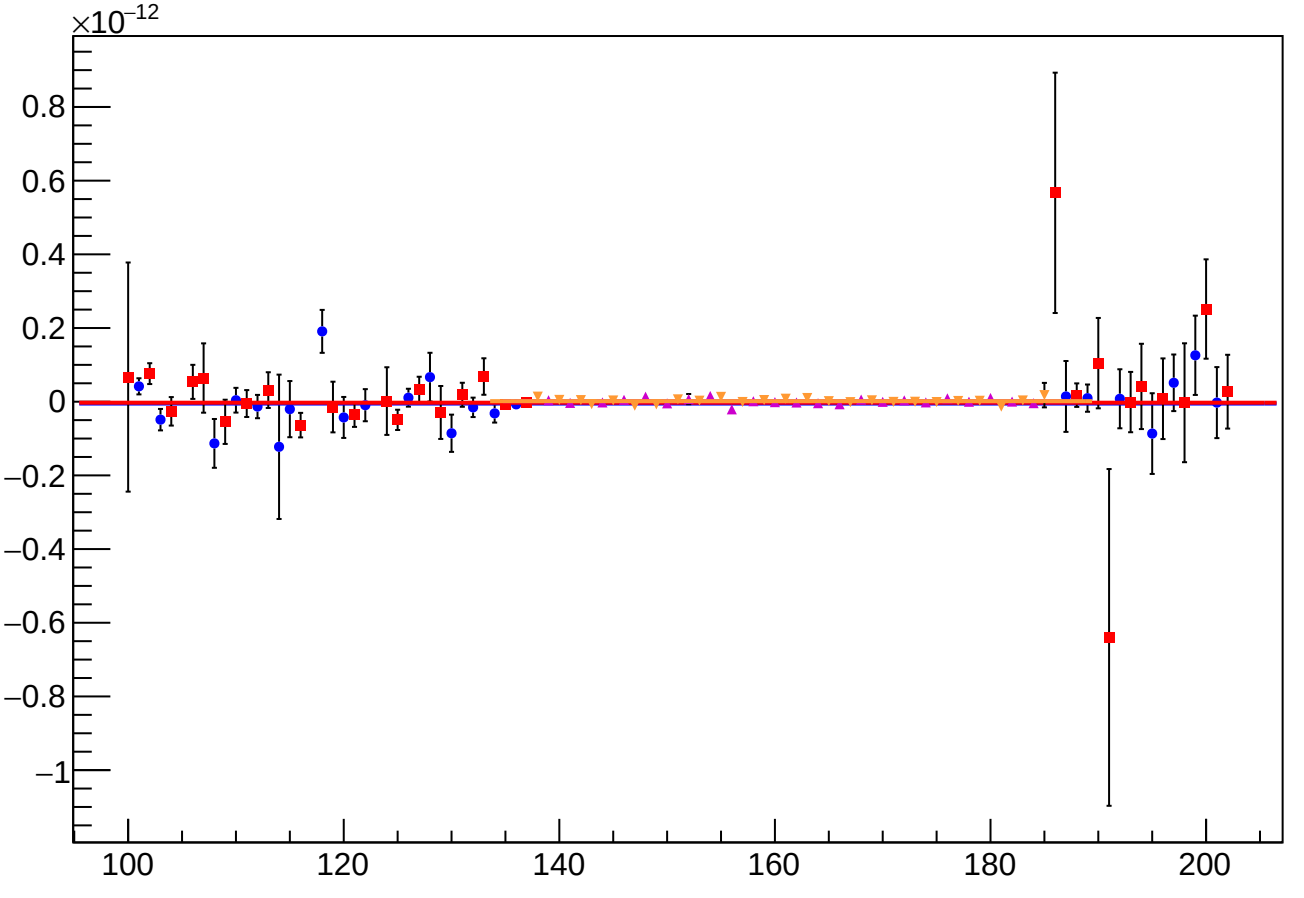
Right Out: 438.320+/-0.086 χ^2/NDF: 2850122.1/28

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 191.253+/-0.026 χ^2/NDF: 10762331.5/47

All: 193.587+/-0.019 χ^2/NDF: 23857738.0/99

- sign 196.032+/-0.027 χ^2/NDF: 13079496.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

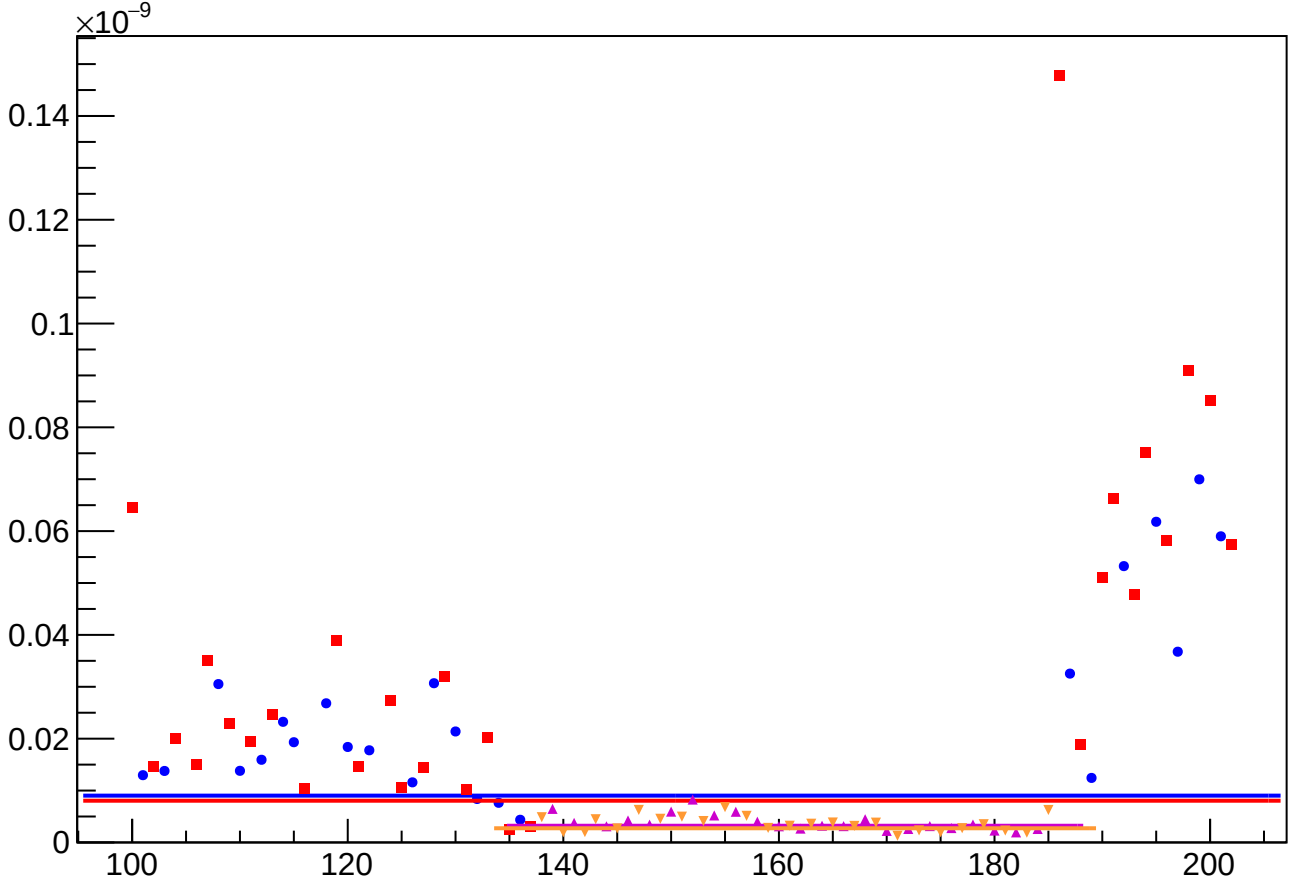
Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/28

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.2/47

All: 0.000+/-0.000 χ^2/NDF: 103.5/99

- sign 0.000+/-0.000 χ^2/NDF: 53.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 4665333.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7596924.0/28

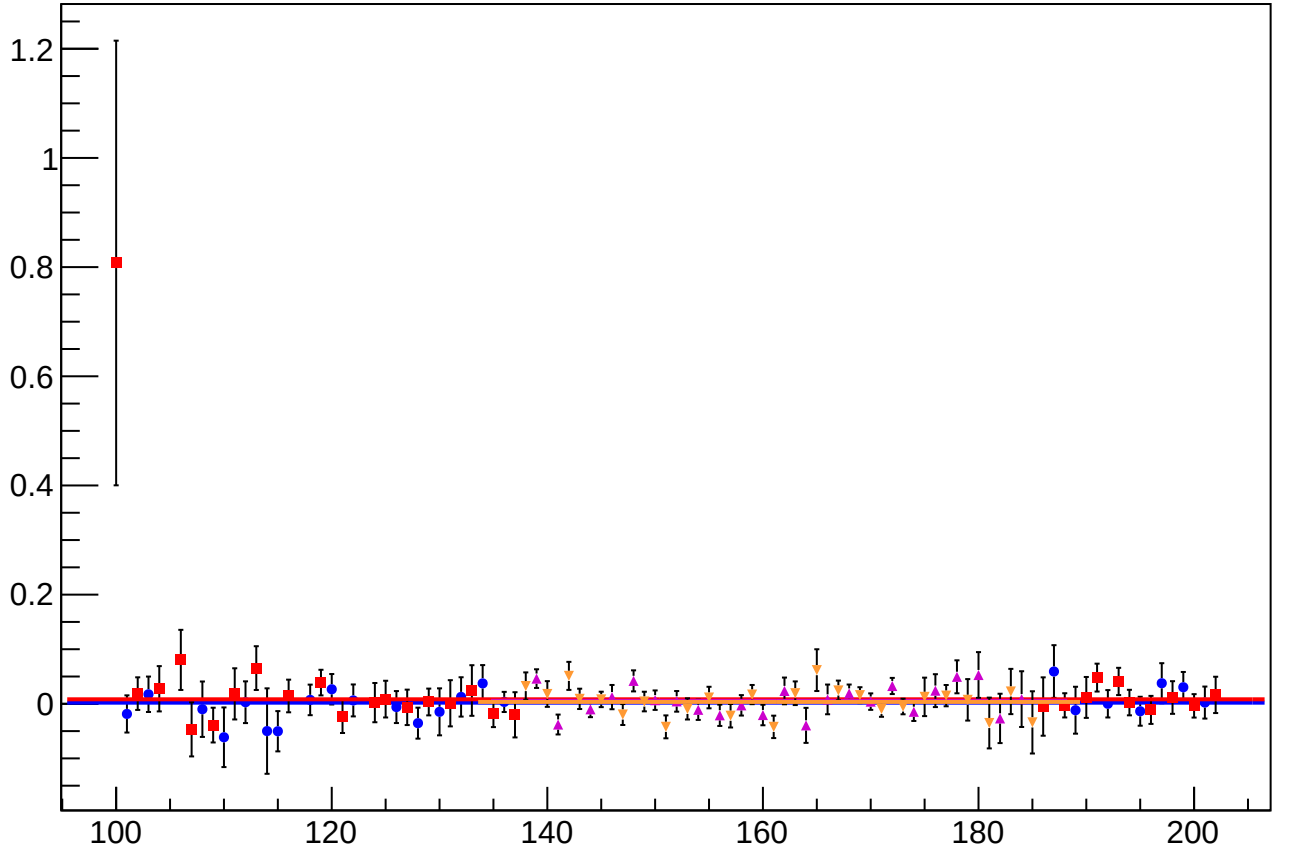
Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9039296.0/47

All: 0.000+/-0.000 χ^2/NDF: 19646604.8/99

- sign 0.000+/-0.000 χ^2/NDF: 10442919.7/51

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/22

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

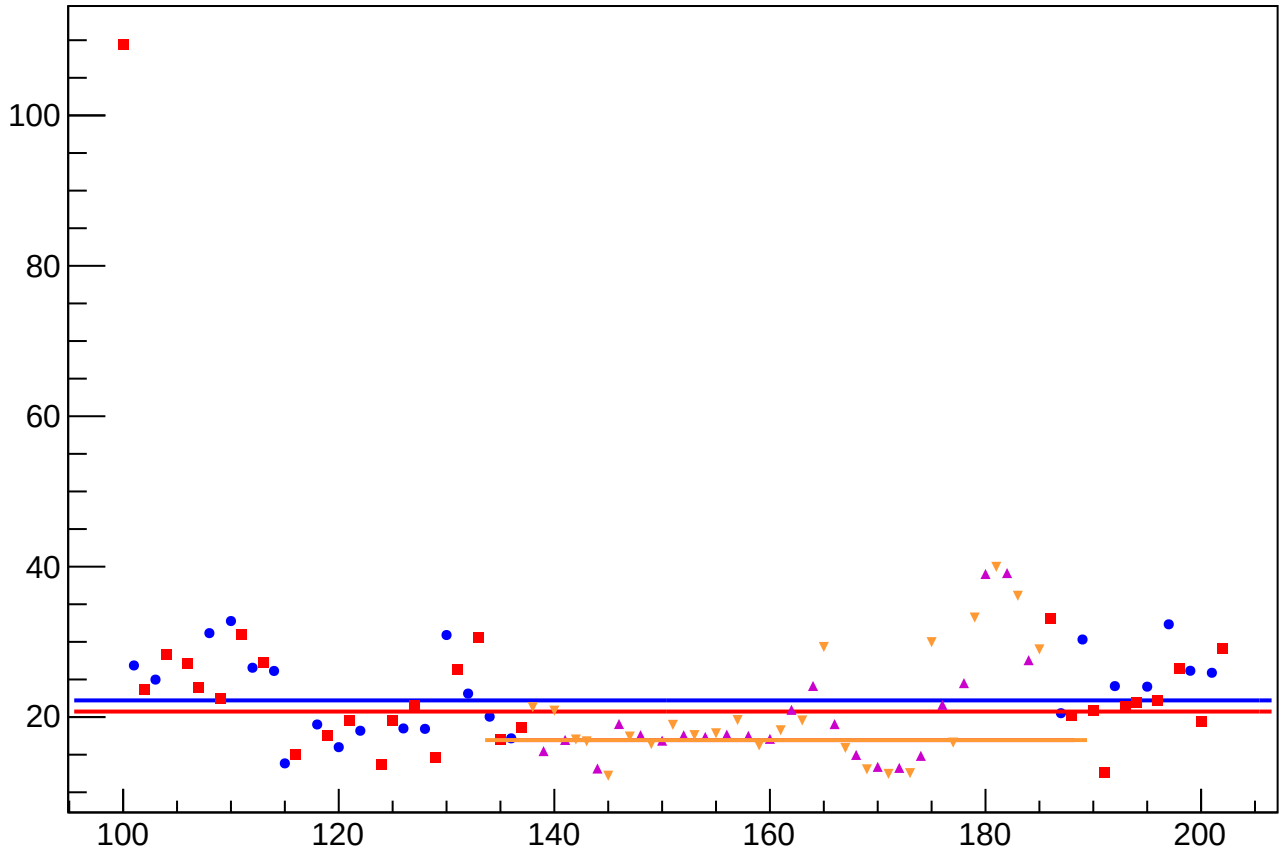
Right Out: 0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.3/47

All: 0.005+/-0.002 χ^2/NDF: 94.9/99

- sign 0.006+/-0.003 χ^2/NDF: 55.1/51



Right In: 22.218+/-0.005 χ^2/NDF: 1112079.1/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

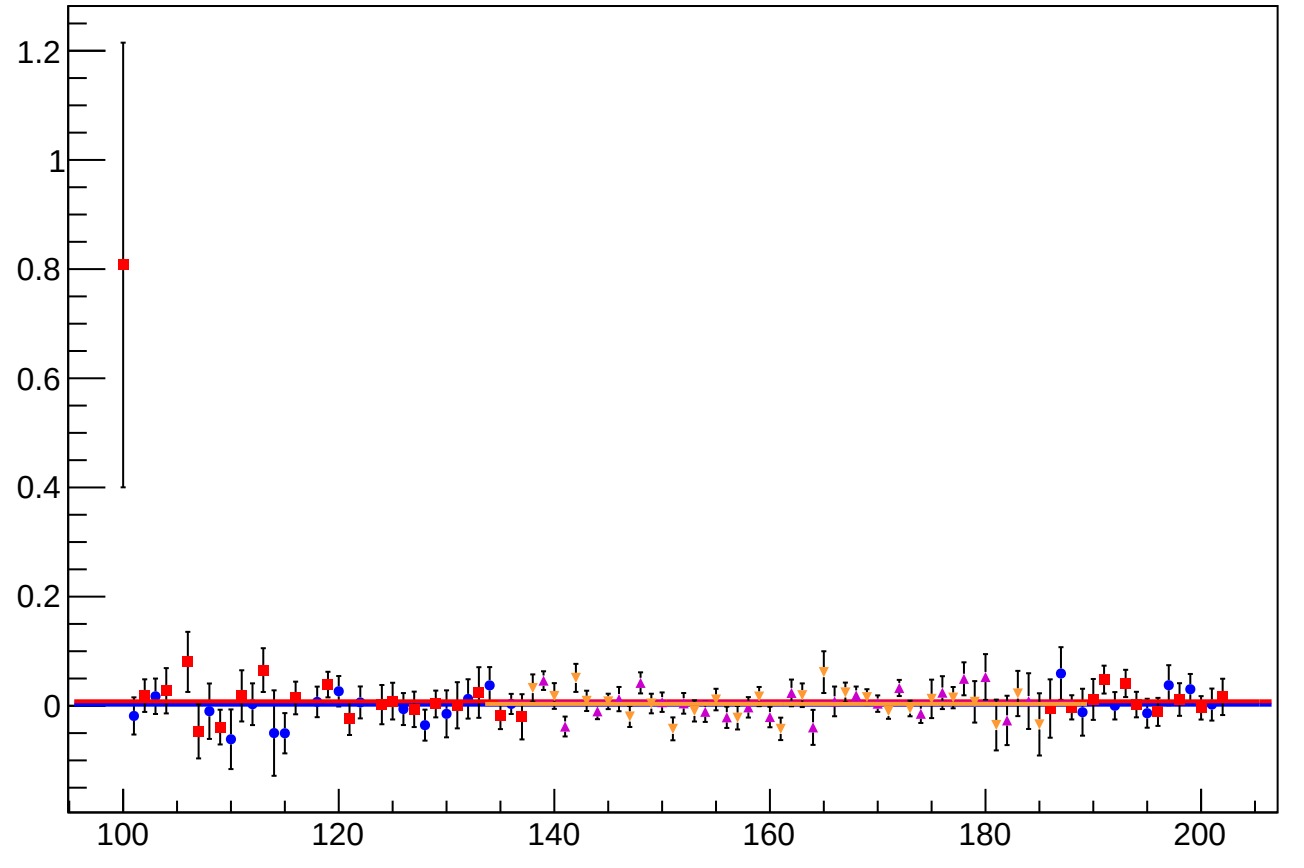
Right Out: 20.734+/-0.004 χ^2/NDF: 1402185.9/28

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 18.385+/-0.002 χ^2/NDF: 4861632.9/47

All: 18.314+/-0.002 χ^2/NDF: 8770390.0/99

- sign 18.247+/-0.002 χ^2/NDF: 3907147.1/51



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/22

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

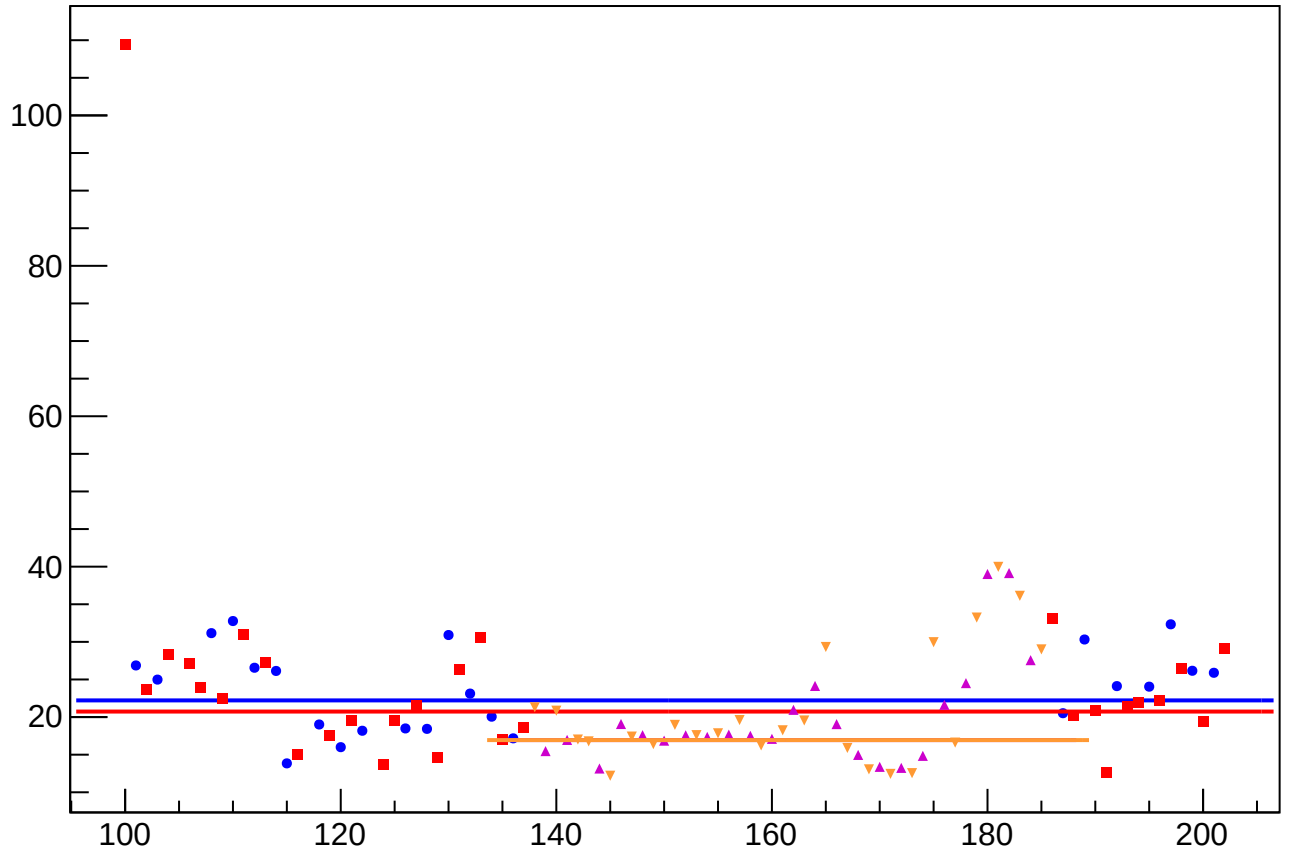
Right Out: 0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.3/47

All: 0.005+/-0.002 χ^2/NDF: 94.9/99

- sign 0.006+/-0.003 χ^2/NDF: 55.1/51



Right In: 22.218+/-0.005 χ^2/NDF: 1112079.1/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

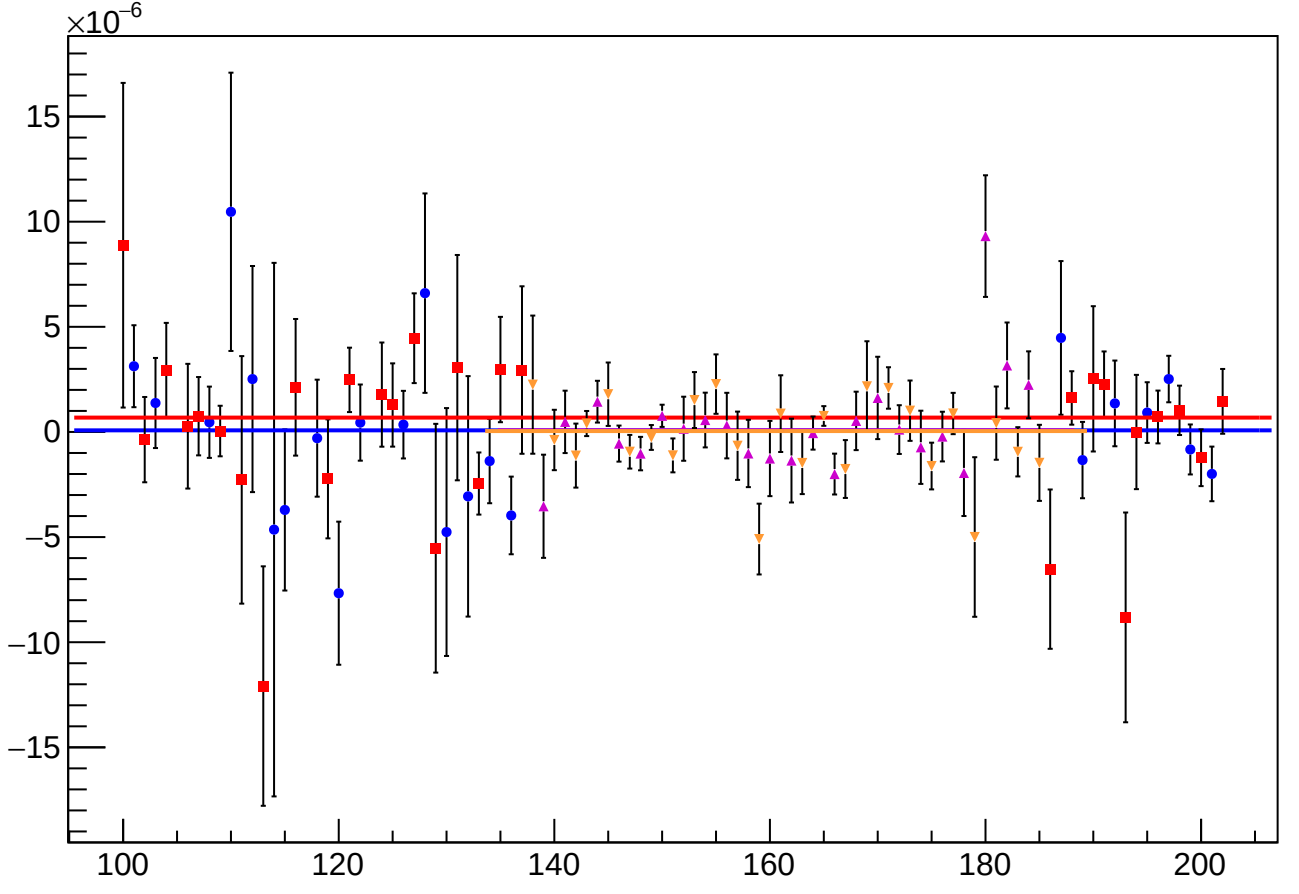
Right Out: 20.734+/-0.004 χ^2/NDF: 1402185.9/28

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 18.385+/-0.002 χ^2/NDF: 4861632.9/47

All: 18.314+/-0.002 χ^2/NDF: 8770390.0/99

- sign 18.247+/-0.002 χ^2/NDF: 3907147.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

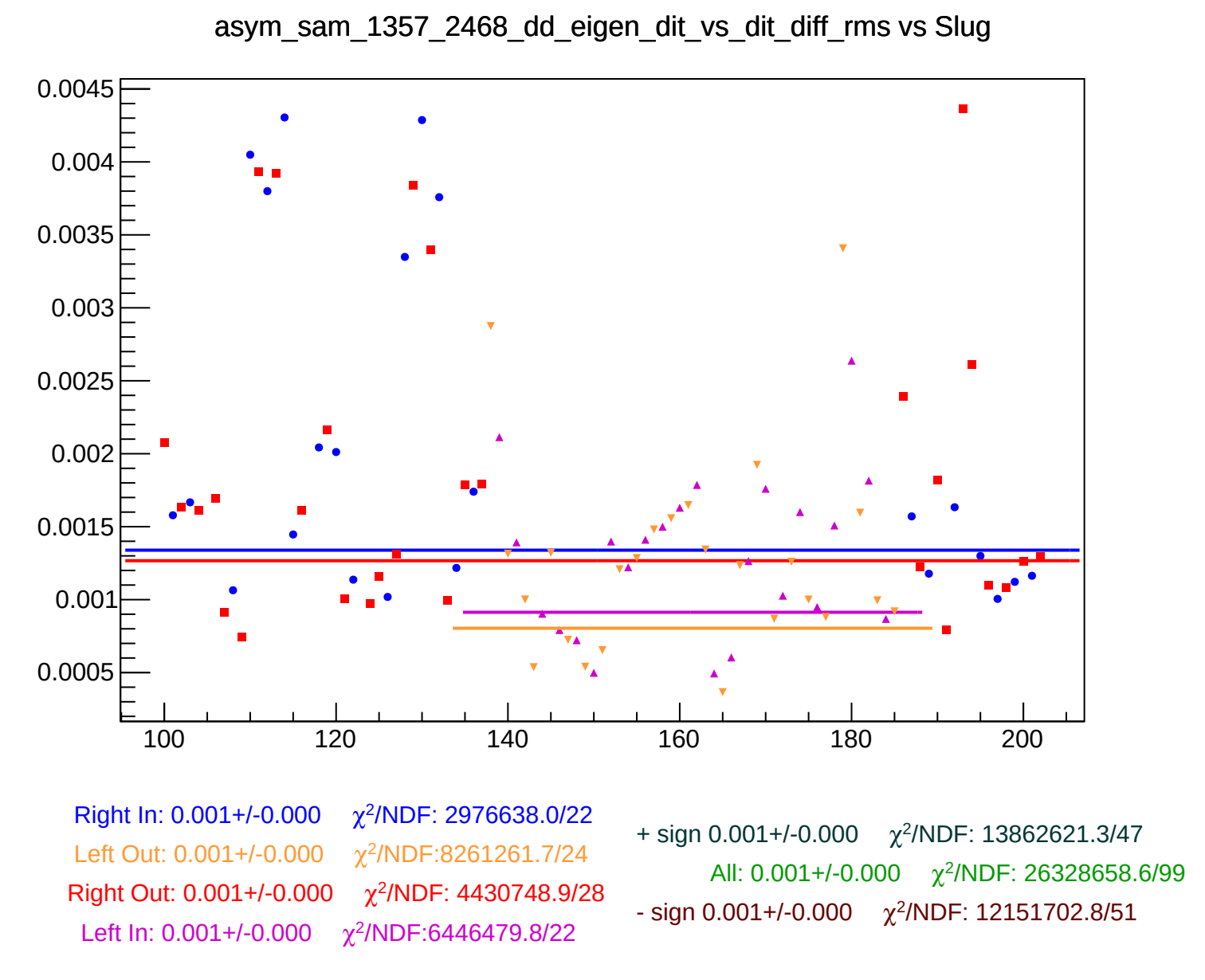
Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/28

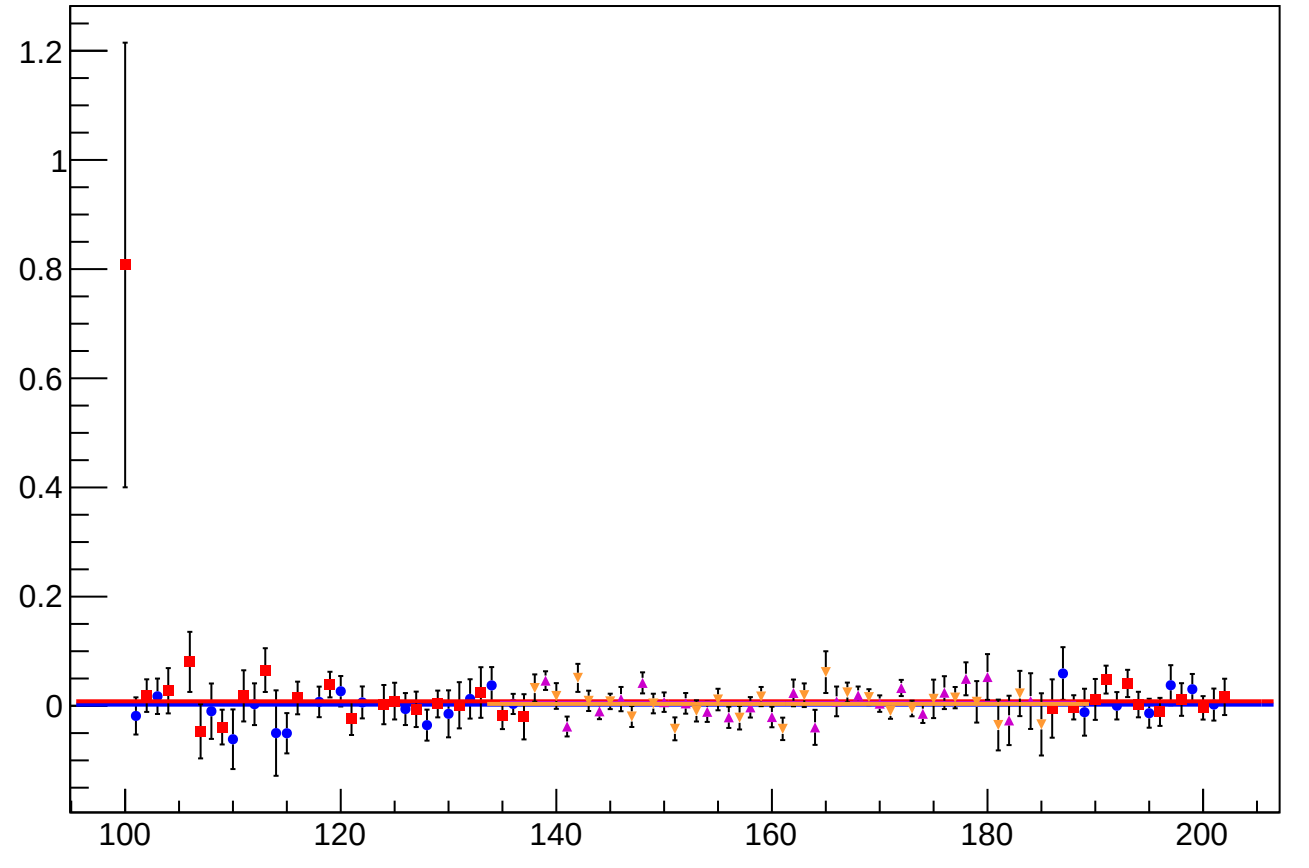
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.1/47

All: 0.000+/-0.000 χ^2/NDF: 134.0/99

- sign 0.000+/-0.000 χ^2/NDF: 65.3/51


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 2976638.0/22
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 4430748.9/28
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13862621.3/47
All: 0.001+/-0.000 χ²/NDF: 26328658.6/99
- sign 0.001+/-0.000 χ²/NDF: 12151702.8/51



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/22

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

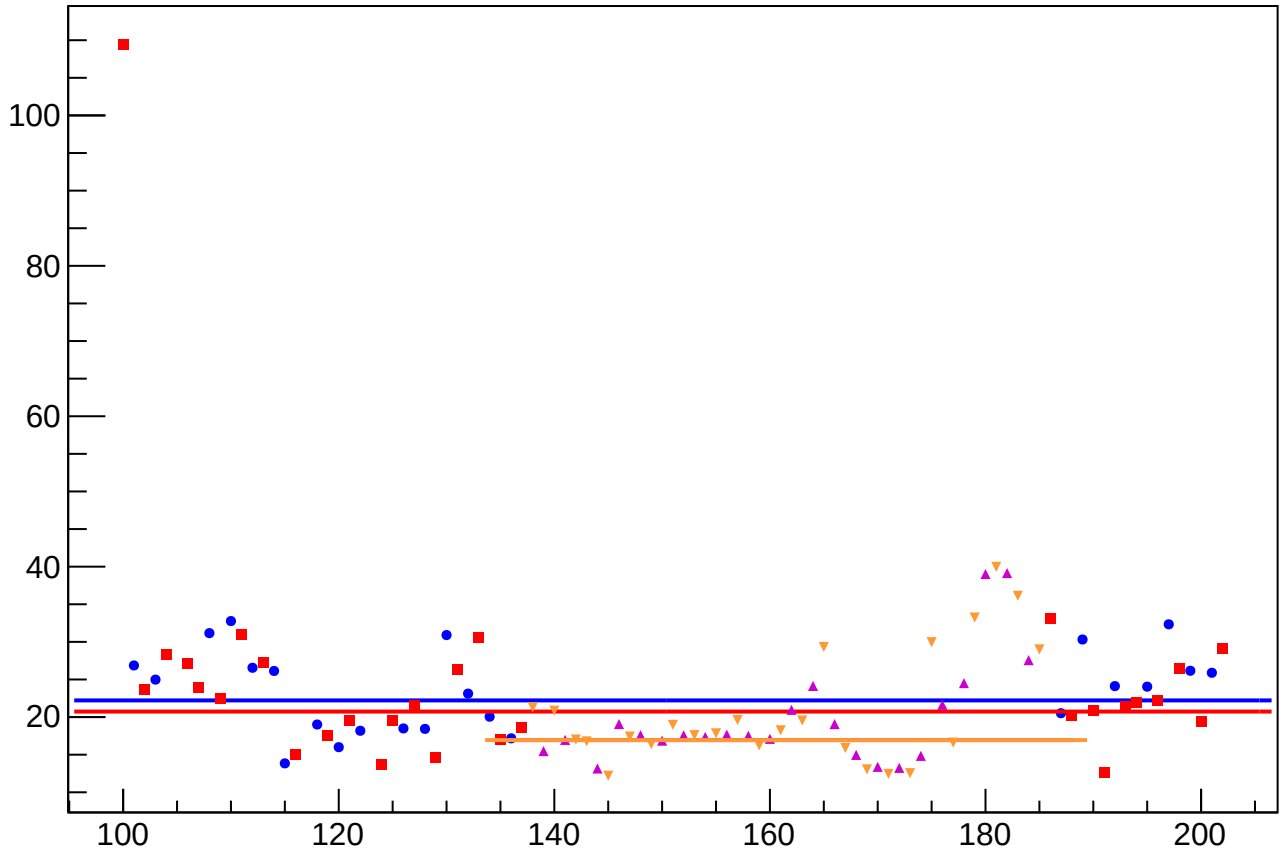
Right Out: 0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.3/47

All: 0.005+/-0.002 χ^2/NDF: 94.9/99

- sign 0.006+/-0.003 χ^2/NDF: 55.1/51



Right In: 22.217+/-0.005 χ^2/NDF: 1112047.4/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.734+/-0.004 χ^2/NDF: 1402234.8/28

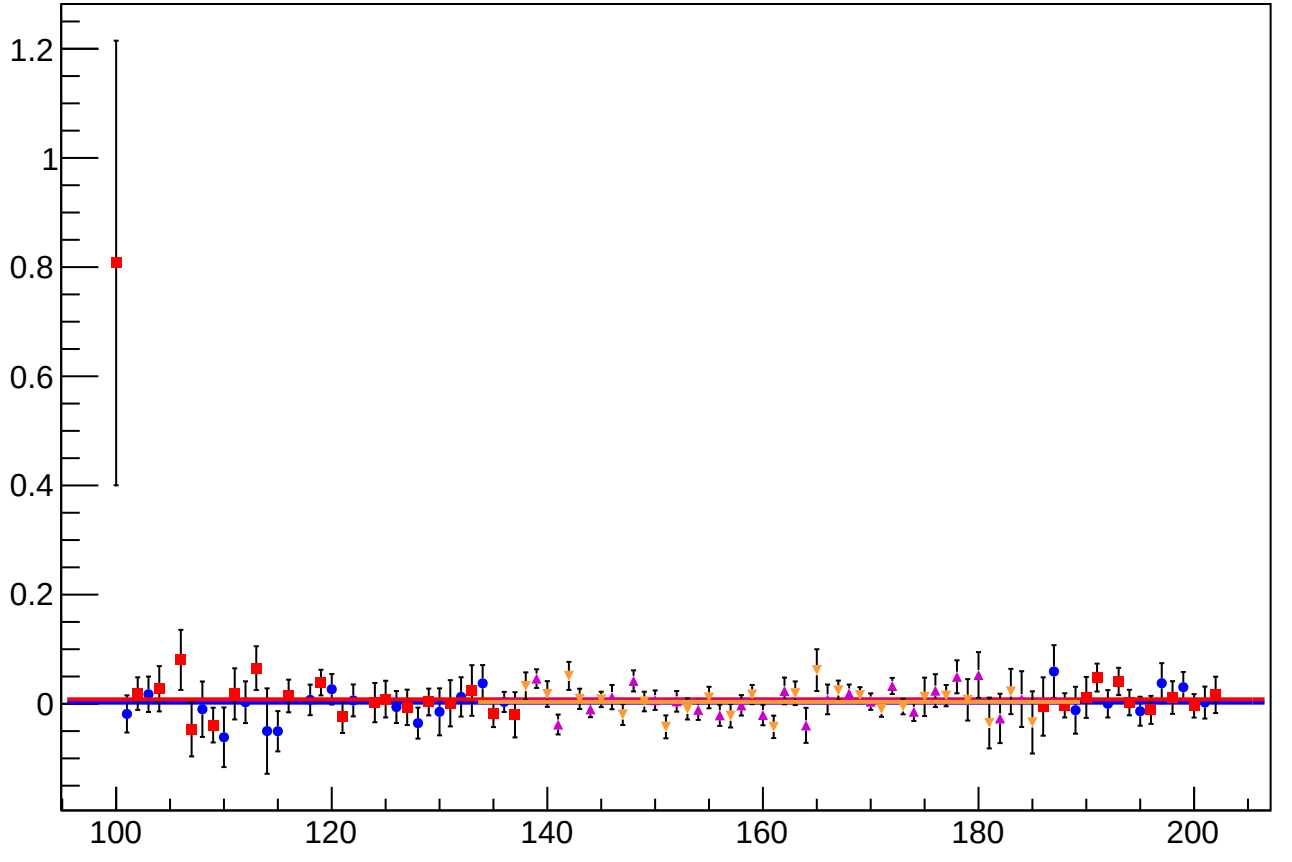
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.385+/-0.002 χ^2/NDF: 4861407.2/47

All: 18.314+/-0.002 χ^2/NDF: 8770086.2/99

- sign 18.247+/-0.002 χ^2/NDF: 3907067.2/51

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/22

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

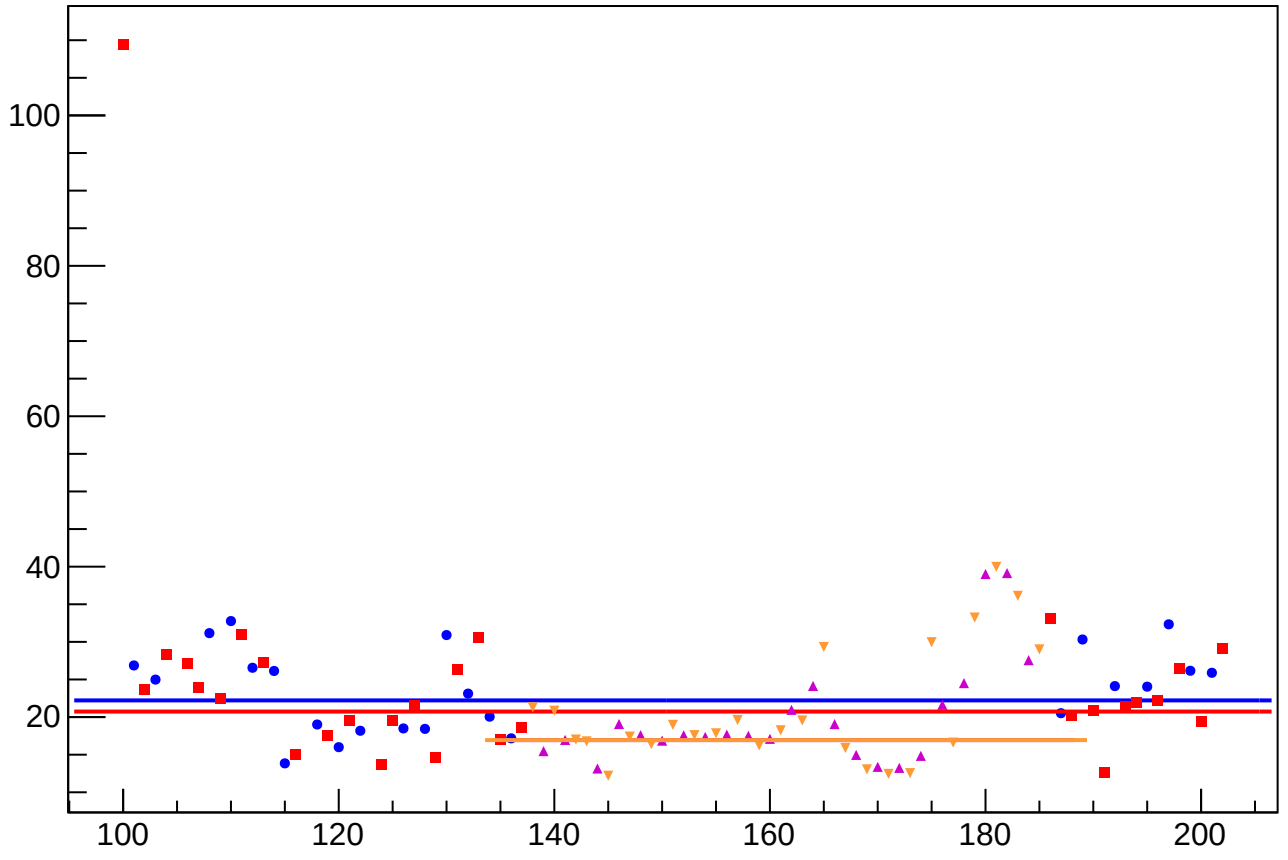
Right Out: 0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.3/47

All: 0.005+/-0.002 χ^2/NDF: 94.9/99

- sign 0.006+/-0.003 χ^2/NDF: 55.1/51



Right In: 22.217+/-0.005 χ^2/NDF: 1112047.4/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

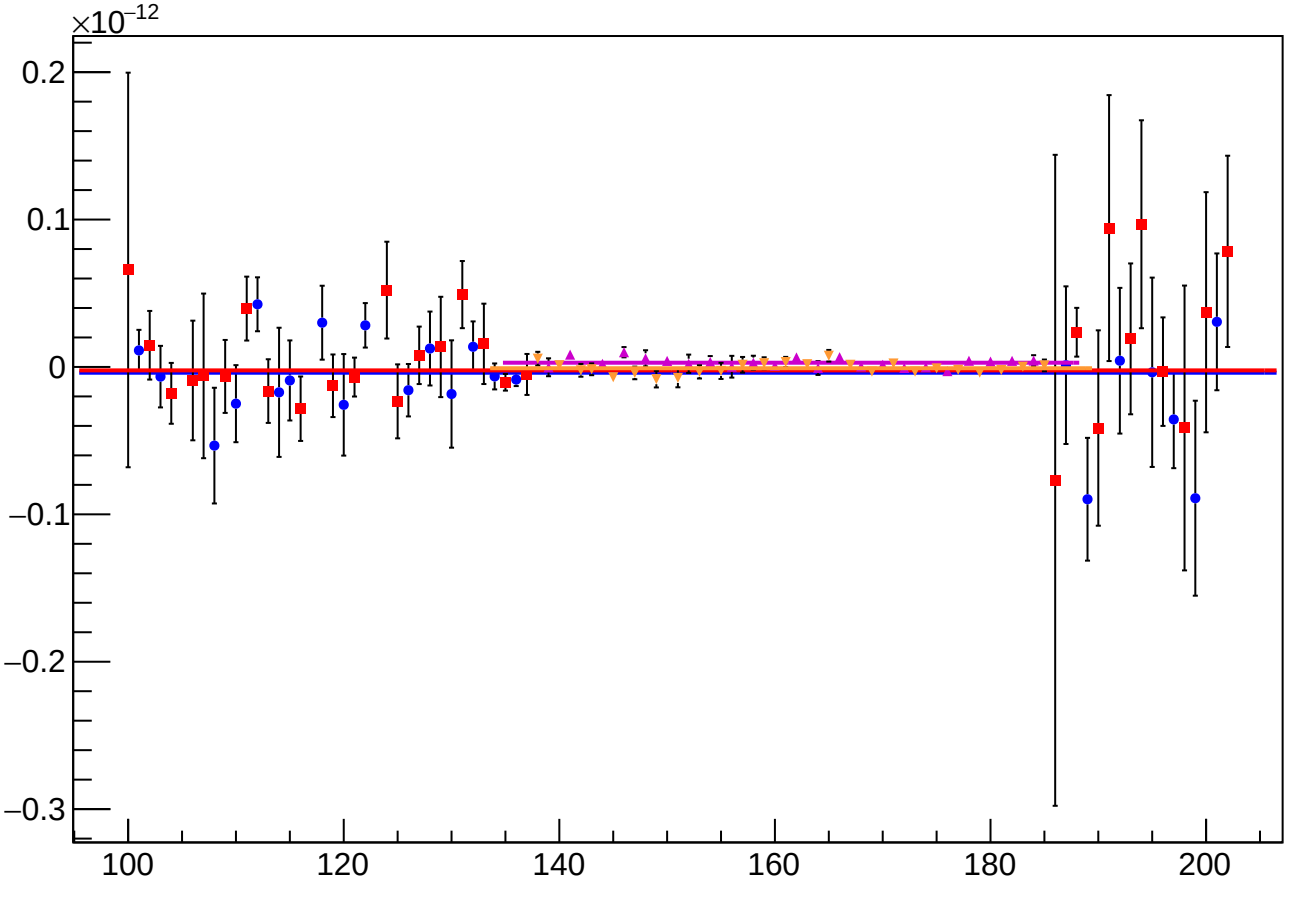
Right Out: 20.734+/-0.004 χ^2/NDF: 1402234.8/28

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.385+/-0.002 χ^2/NDF: 4861407.2/47

All: 18.314+/-0.002 χ^2/NDF: 8770086.2/99

- sign 18.247+/-0.002 χ^2/NDF: 3907067.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

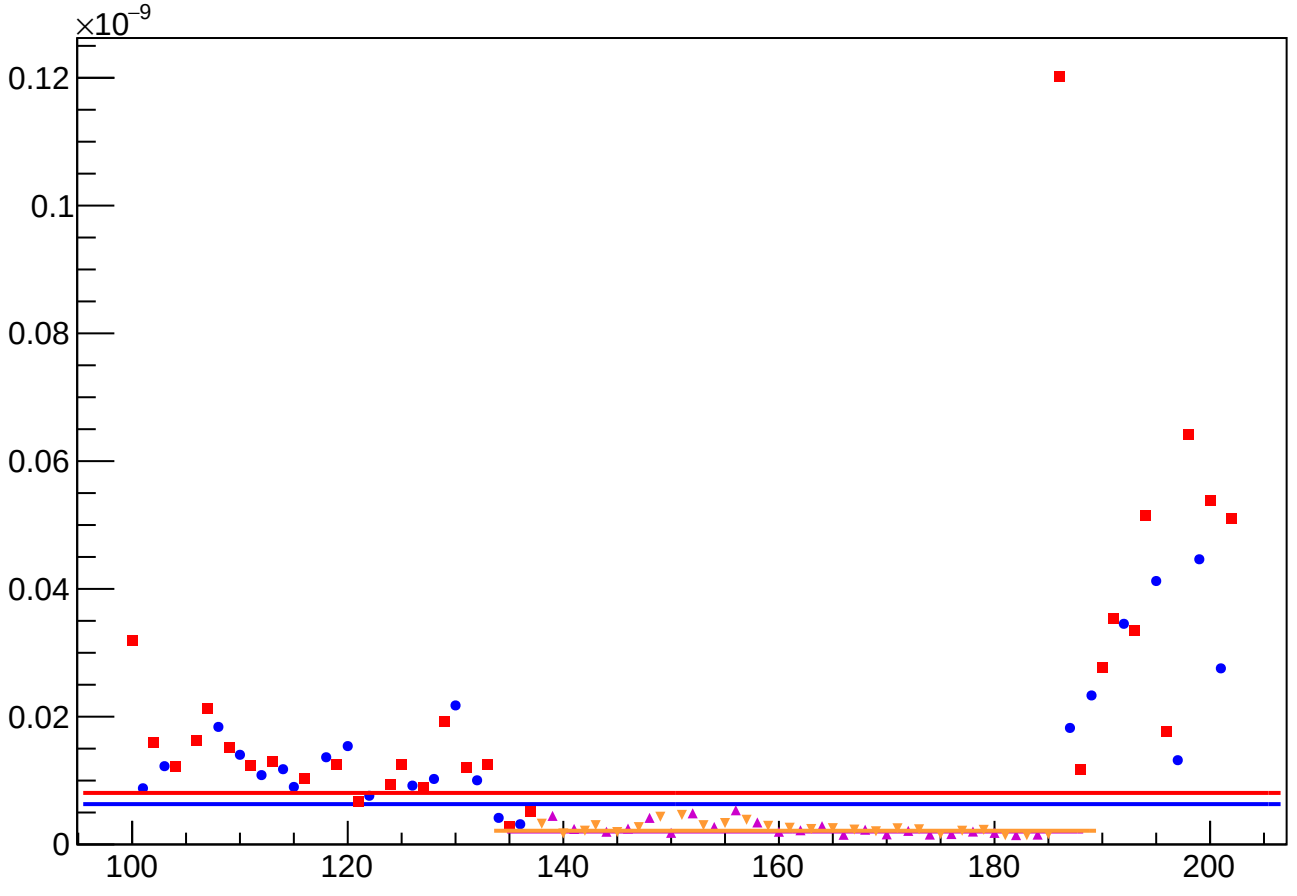
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/28

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.9/47

All: 0.000+/-0.000 χ^2/NDF: 121.6/99

- sign 0.000+/-0.000 χ^2/NDF: 52.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 5633001.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7807167.7/28

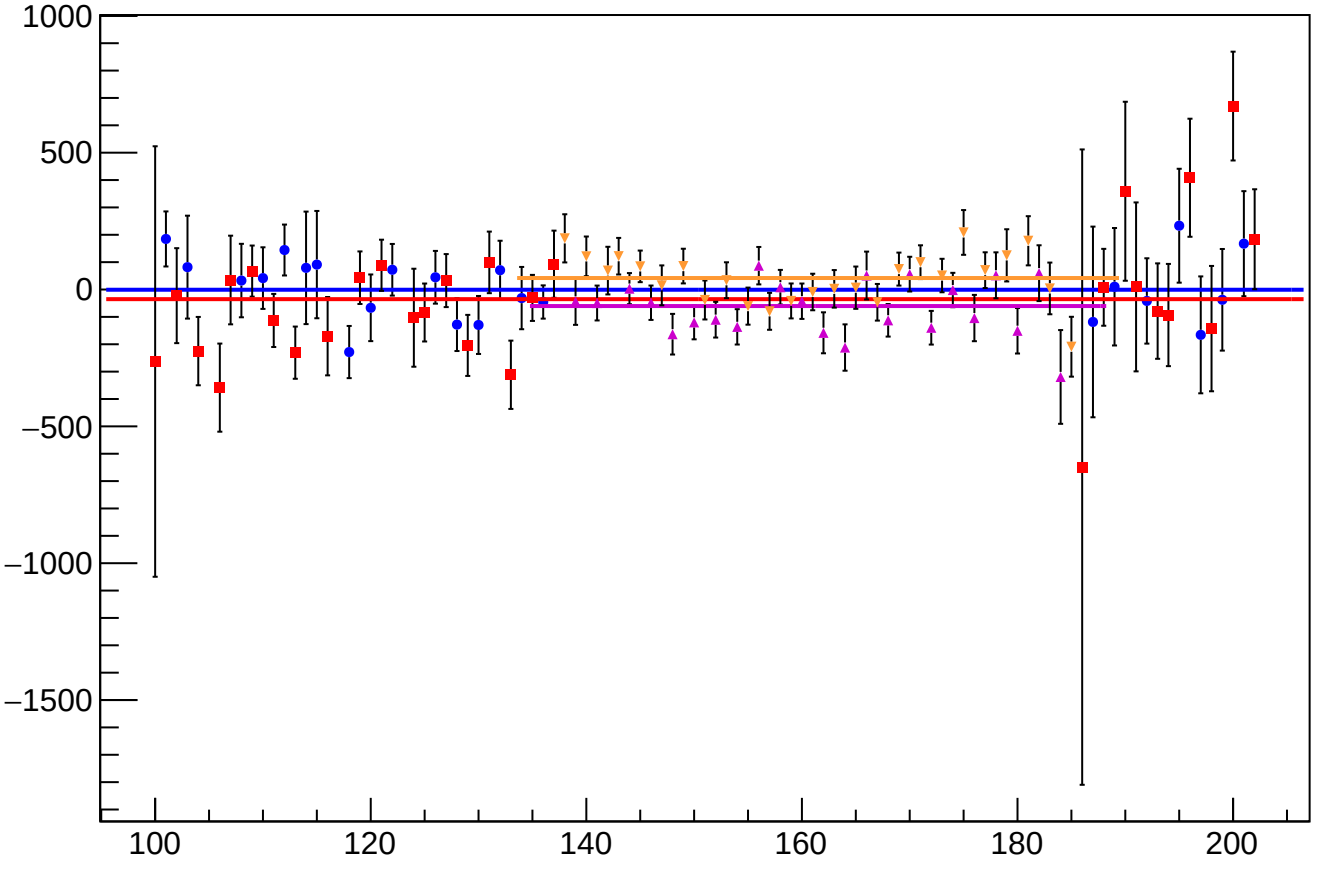
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11075834.3/47

All: 0.000+/-0.000 χ^2/NDF: 26457567.9/99

- sign 0.000+/-0.000 χ^2/NDF: 15350112.1/51

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -0.790+/-24.787 χ^2/NDF: 20.6/22

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -35.193+/-24.504 χ^2/NDF: 47.0/28

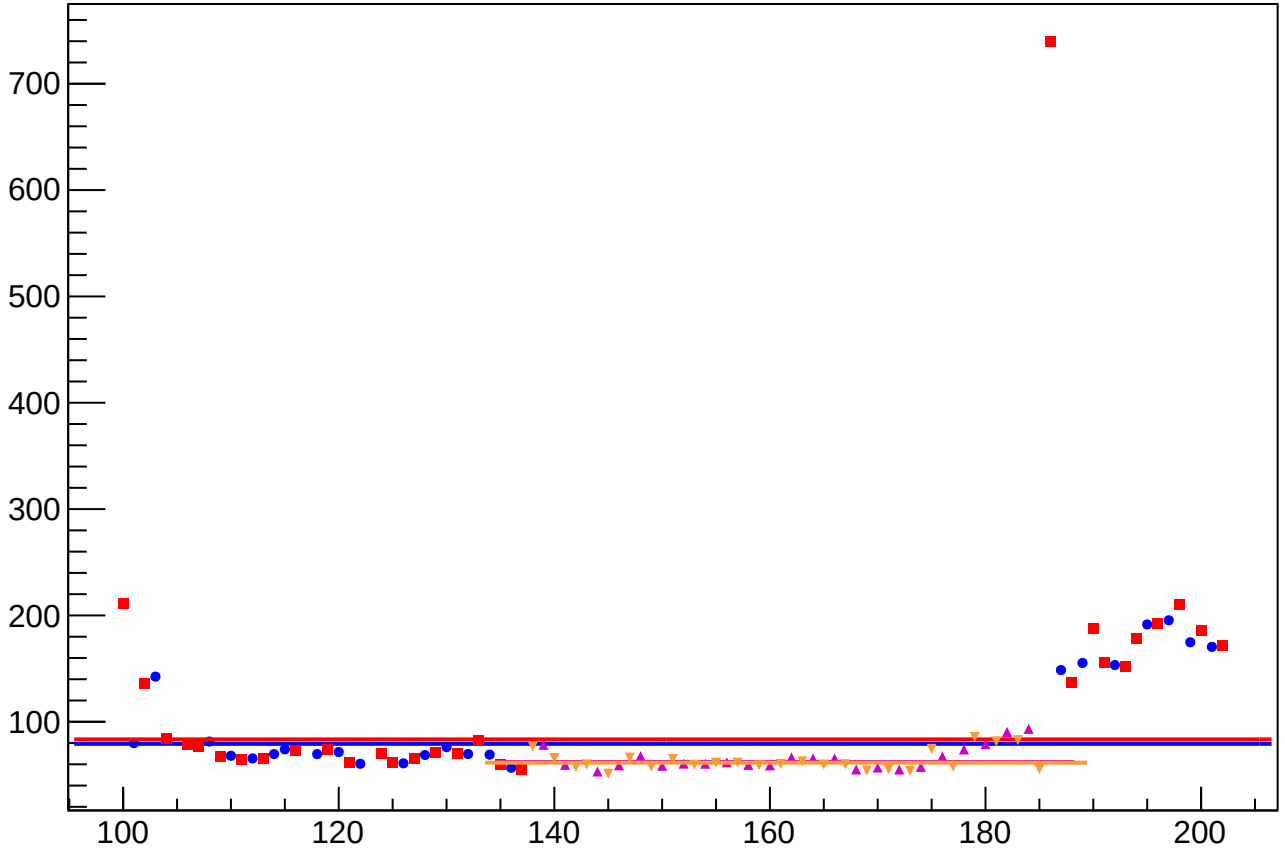
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.457+/-12.309 χ^2/NDF: 54.8/47

All: -10.080+/-8.810 χ^2/NDF: 158.2/99

- sign -53.703+/-12.614 χ^2/NDF: 80.0/51

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 79.257+/-0.018 χ^2/NDF: 3745578.2/22

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 83.455+/-0.017 χ^2/NDF: 5249111.1/28

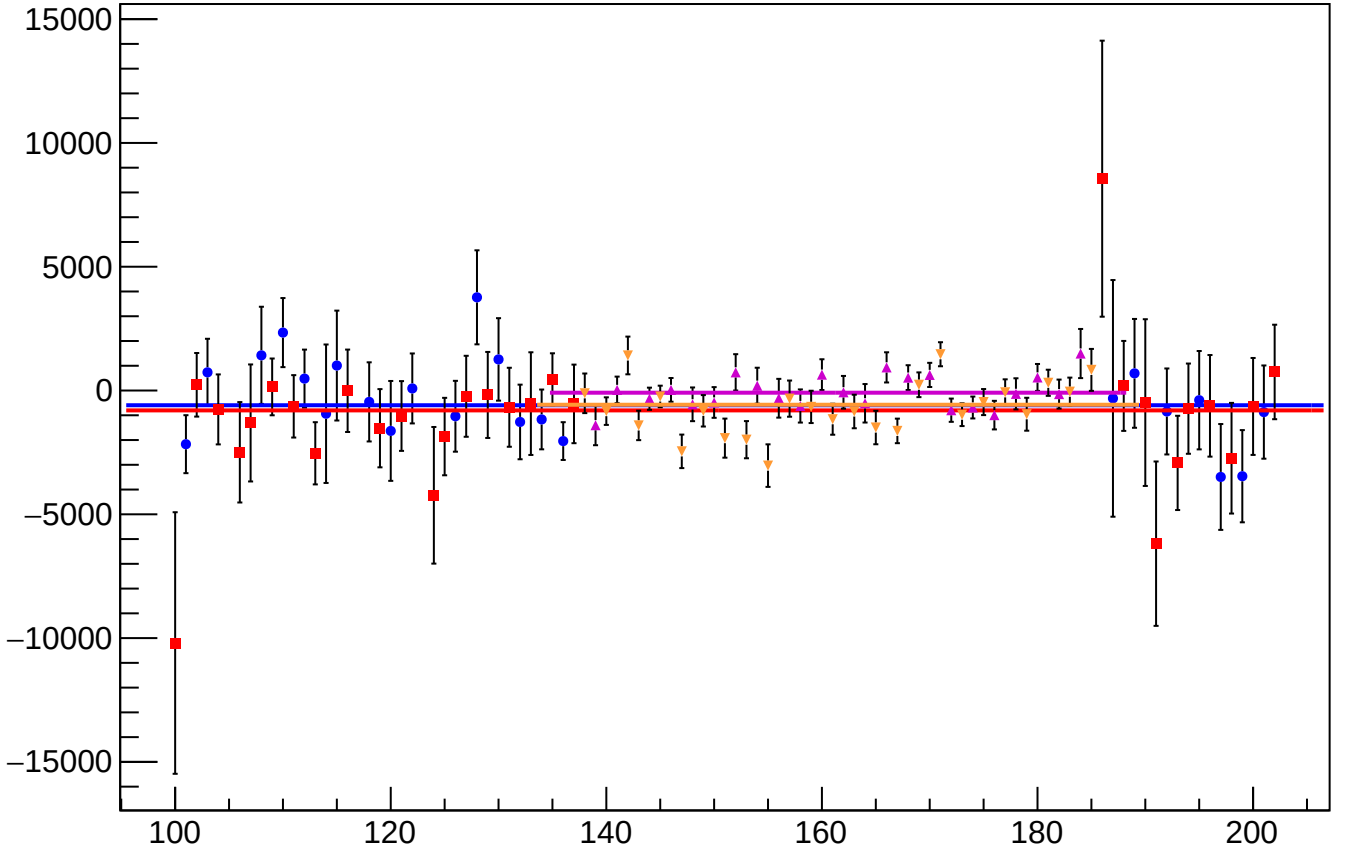
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 65.912+/-0.009 χ^2/NDF: 5152908.9/47

All: 66.829+/-0.006 χ^2/NDF: 12133302.4/99

- sign 67.792+/-0.009 χ^2/NDF: 6957647.4/51

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -594.640+/-318.774 χ^2/NDF: 25.4/22

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

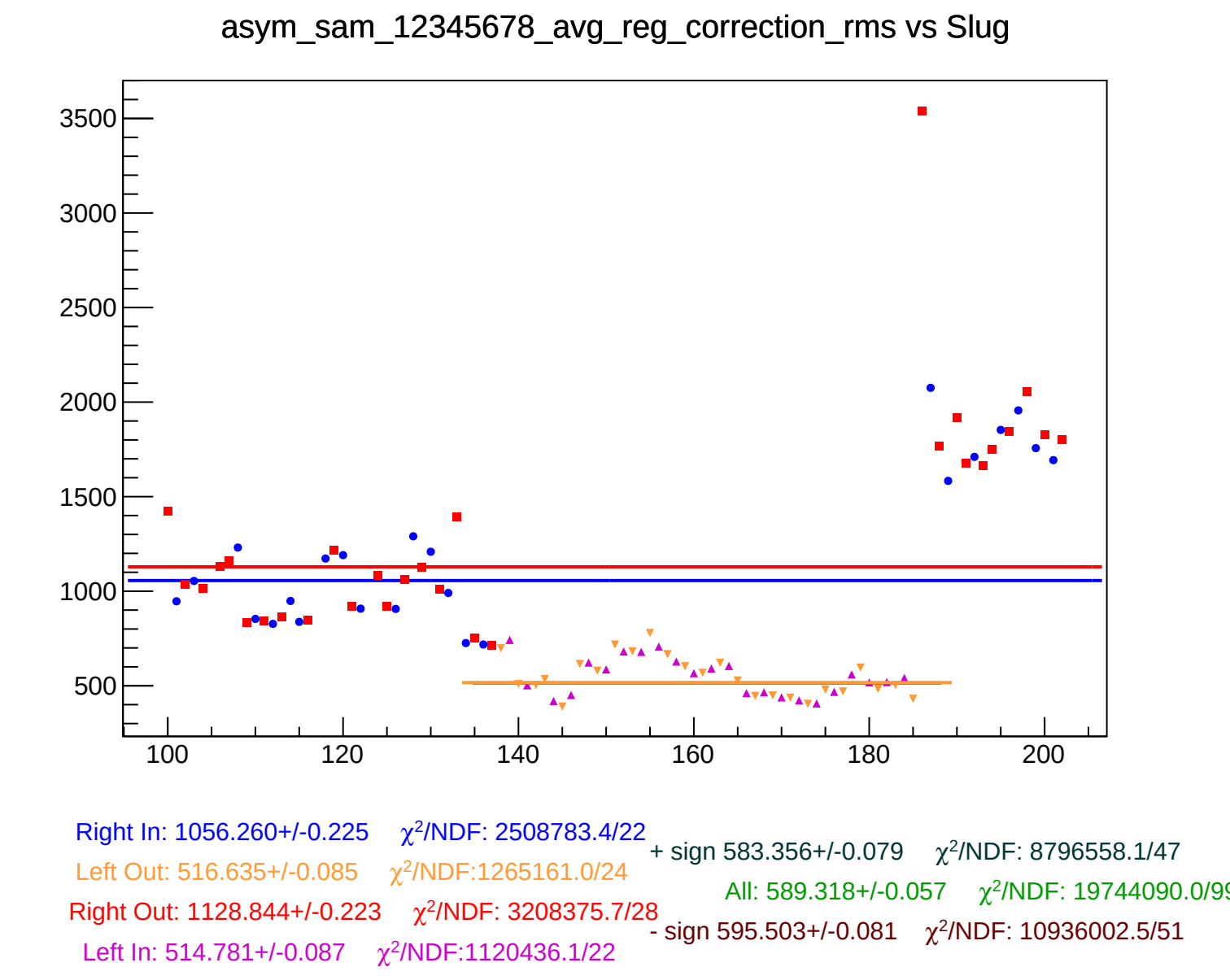
Right Out: -802.676+/-314.859 χ^2/NDF: 19.8/28

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

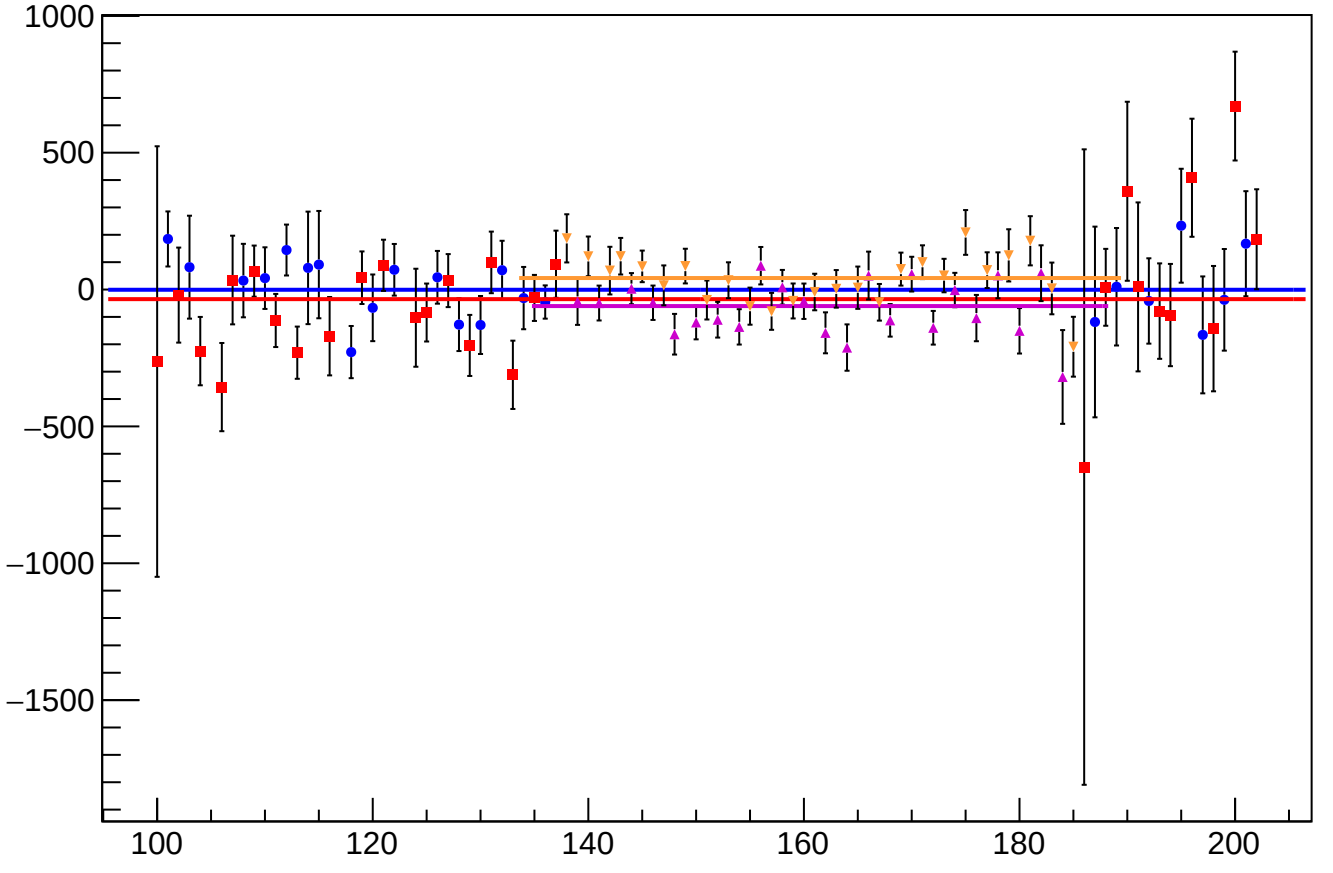
+ sign -577.269+/-112.090 χ^2/NDF: 94.2/47

All: -383.363+/-79.981 χ^2/NDF: 149.1/99

- sign -182.238+/-114.158 χ^2/NDF: 48.8/51


asym_sam_12345678_avg_reg_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1056.260+/-0.225 χ²/NDF: 2508783.4/22
Left Out: 516.635+/-0.085 χ²/NDF:1265161.0/24
Right Out: 1128.844+/-0.223 χ²/NDF: 3208375.7/28
Left In: 514.781+/-0.087 χ²/NDF:1120436.1/22
+ sign 583.356+/-0.079 χ²/NDF: 8796558.1/47
All: 589.318+/-0.057 χ²/NDF: 19744090.0/99
- sign 595.503+/-0.081 χ²/NDF: 10936002.5/51

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -0.797+/-24.787 χ^2/NDF: 20.6/22

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -35.086+/-24.505 χ^2/NDF: 47.0/28

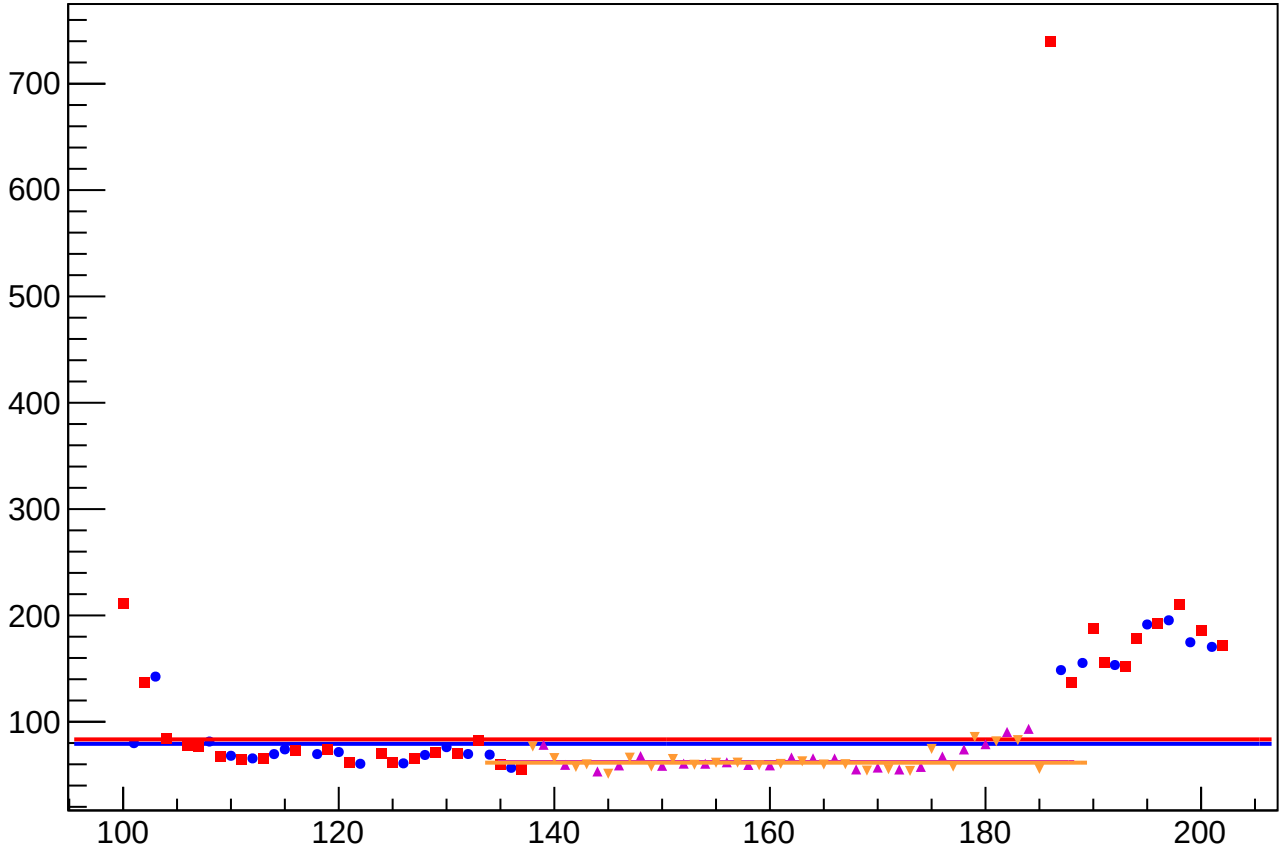
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.459+/-12.309 χ^2/NDF: 54.8/47

All: -10.064+/-8.810 χ^2/NDF: 158.1/99

- sign -53.674+/-12.614 χ^2/NDF: 79.9/51

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 79.257+/-0.018 χ^2/NDF: 3745581.3/22

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 83.439+/-0.017 χ^2/NDF: 5249982.9/28

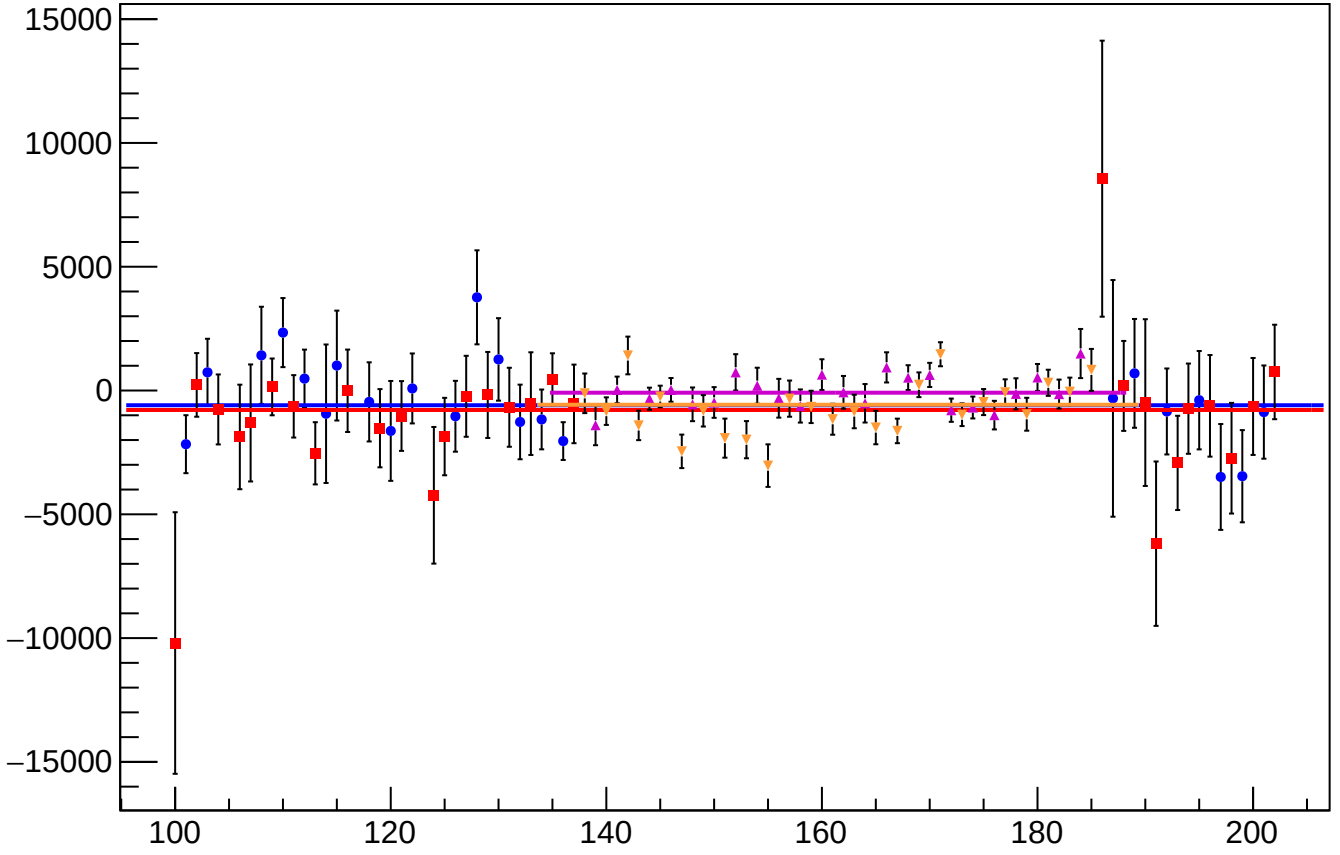
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 65.912+/-0.009 χ^2/NDF: 5152911.9/47

All: 66.827+/-0.006 χ^2/NDF: 12132380.9/99

- sign 67.787+/-0.009 χ^2/NDF: 6956830.2/51

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -594.615+/-318.775 χ^2/NDF: 25.4/22

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

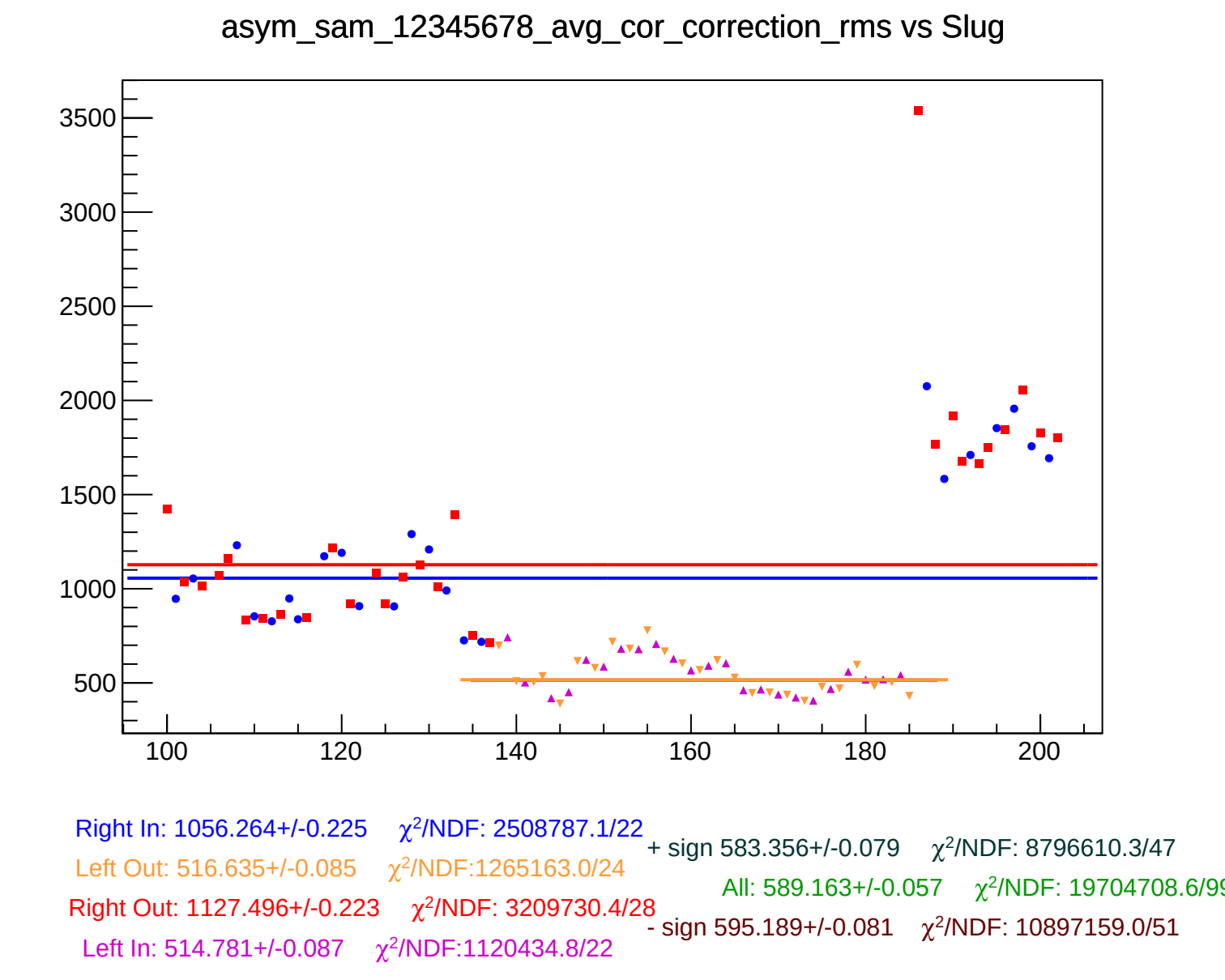
Right Out: -786.095+/-315.168 χ^2/NDF: 19.3/28

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

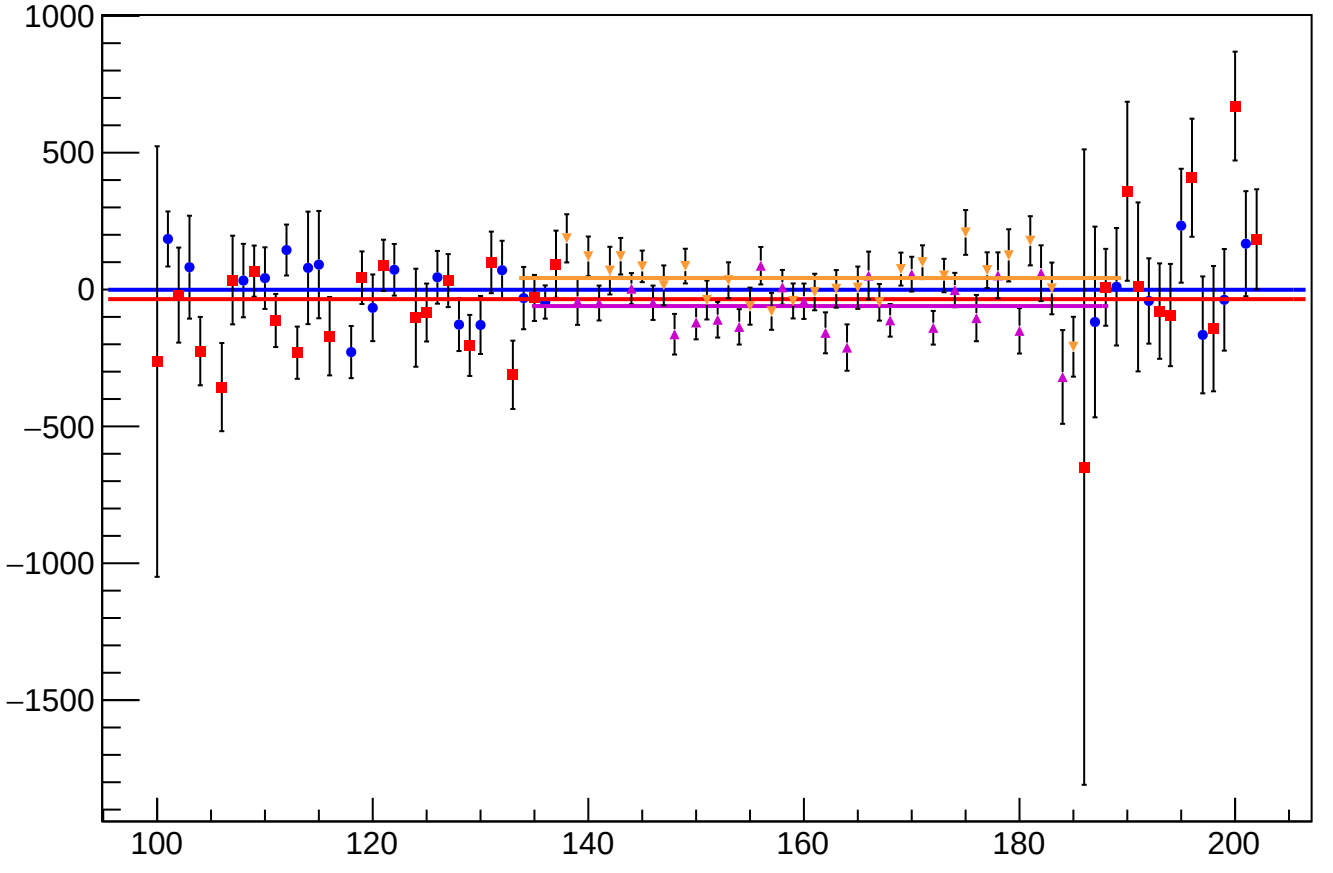
+ sign -577.260+/-112.090 χ^2/NDF: 94.2/47

All: -382.238+/-79.986 χ^2/NDF: 148.5/99

- sign -179.902+/-114.172 χ^2/NDF: 48.2/51


asym_sam_12345678_avg_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1056.264+/-0.225 χ²/NDF: 2508787.1/22
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1127.496+/-0.223 χ²/NDF: 3209730.4/28
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 583.356+/-0.079 χ²/NDF: 8796610.3/47
All: 589.163+/-0.057 χ²/NDF: 19704708.6/99
- sign 595.189+/-0.081 χ²/NDF: 10897159.0/51

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -0.797+/-24.787 χ^2/NDF: 20.6/22

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -35.086+/-24.505 χ^2/NDF: 47.0/28

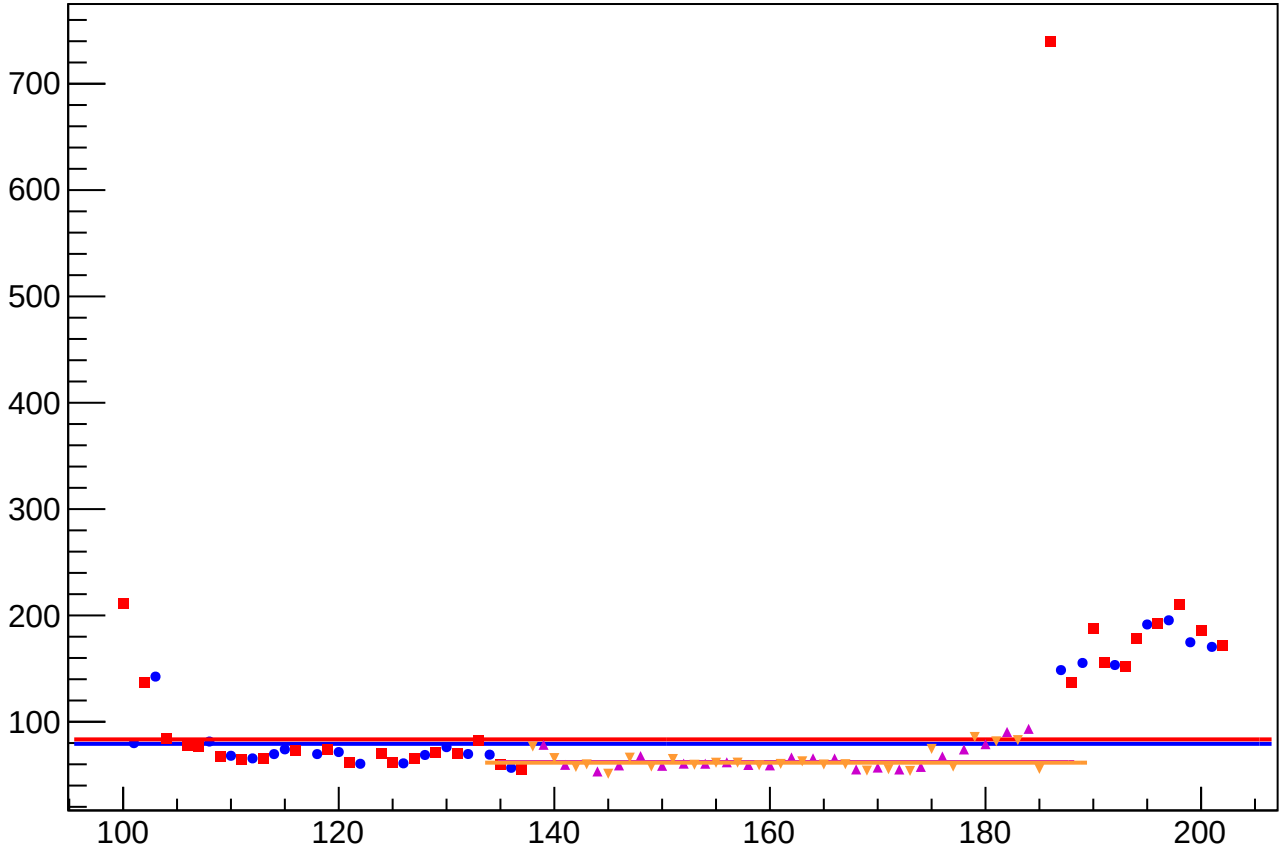
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.459+/-12.309 χ^2/NDF: 54.8/47

All: -10.064+/-8.810 χ^2/NDF: 158.1/99

- sign -53.674+/-12.614 χ^2/NDF: 79.9/51

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 79.257+/-0.018 χ^2/NDF: 3745581.3/22

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

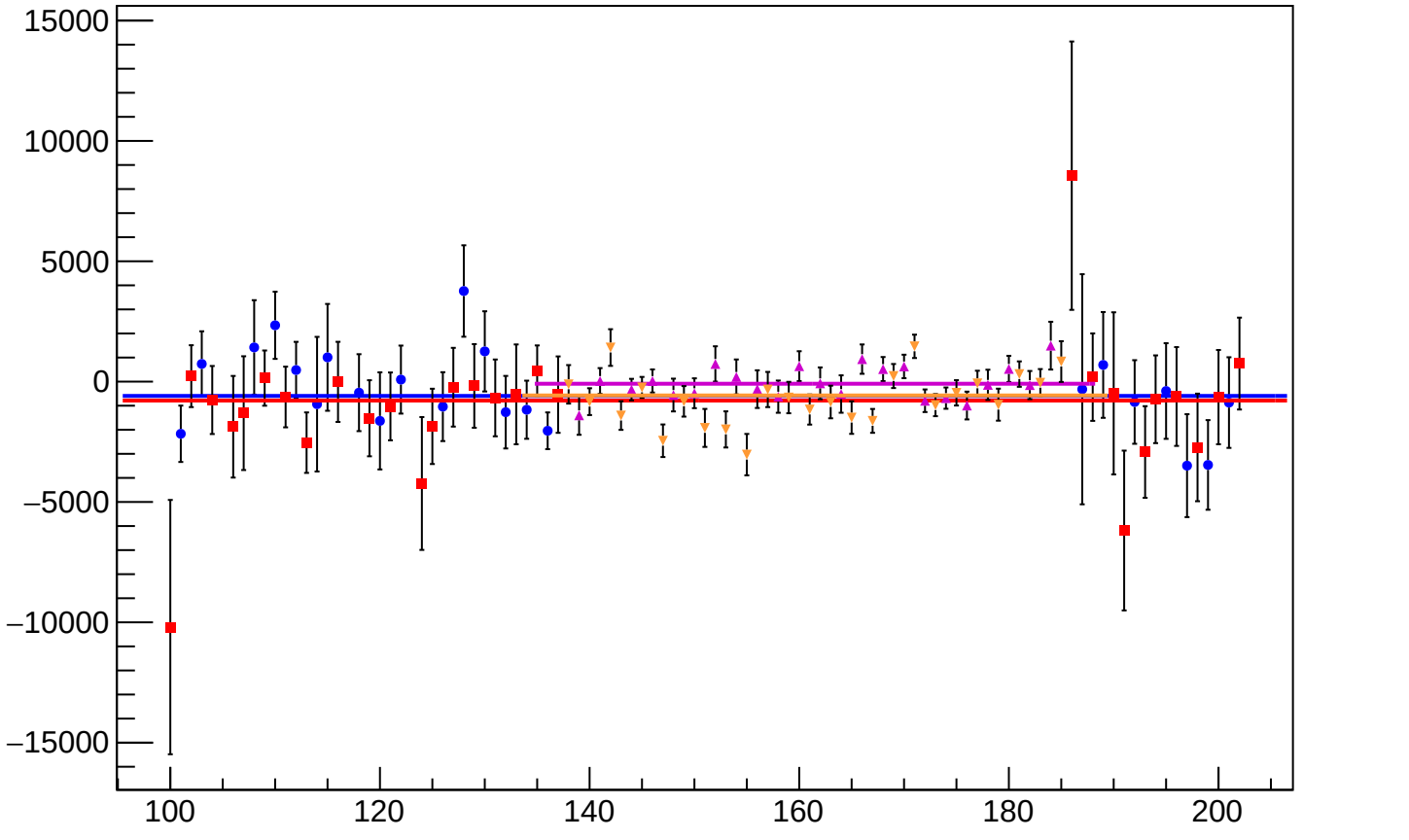
Right Out: 83.439+/-0.017 χ^2/NDF: 5249982.9/28

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 65.912+/-0.009 χ^2/NDF: 5152911.9/47

All: 66.827+/-0.006 χ^2/NDF: 12132380.9/99

- sign 67.787+/-0.009 χ^2/NDF: 6956830.2/51



Right In: -594.615+/-318.775 χ^2/NDF: 25.4/22

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

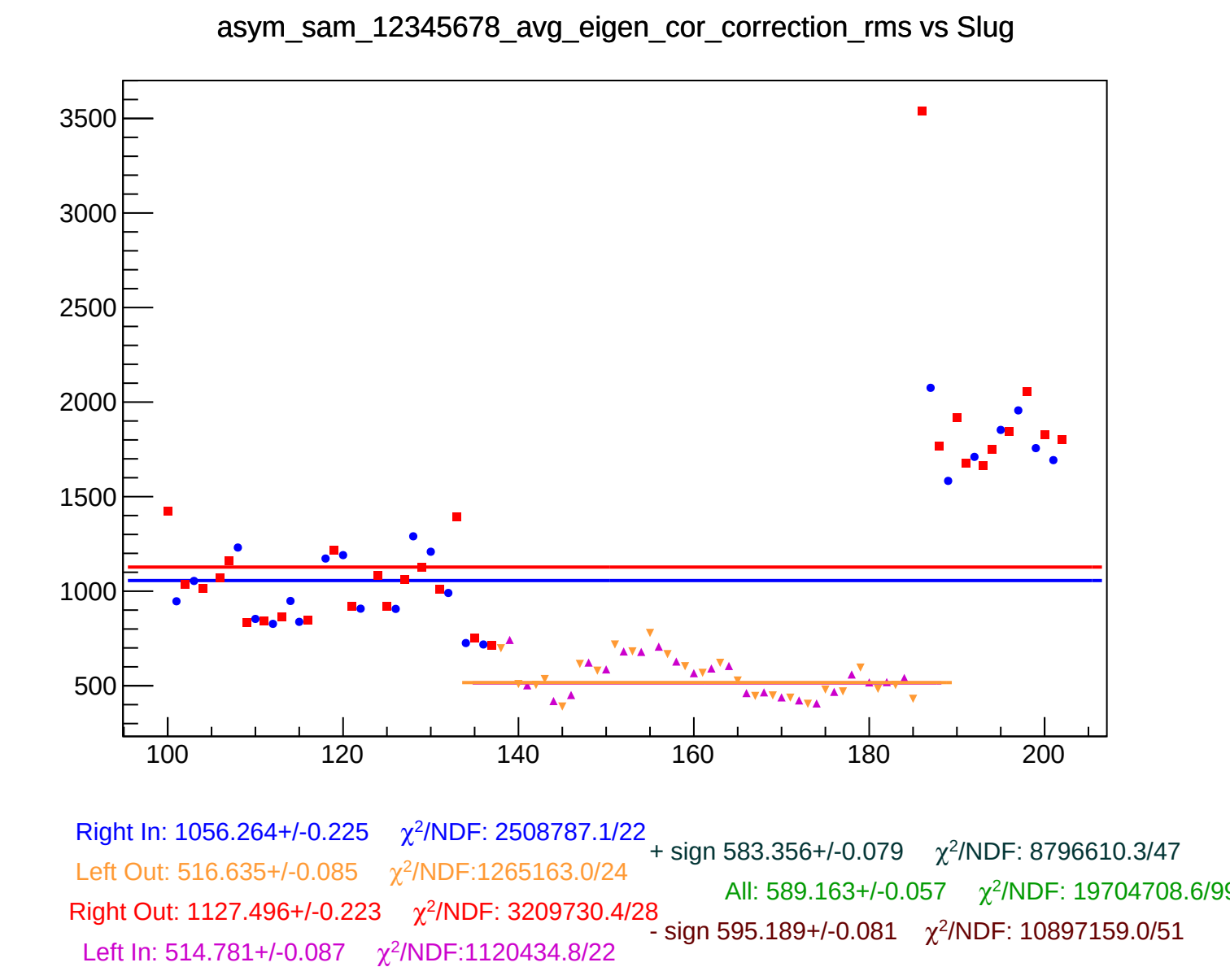
Right Out: -786.095+/-315.168 χ^2/NDF: 19.3/28

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -577.260+/-112.090 χ^2/NDF: 94.2/47

All: -382.238+/-79.986 χ^2/NDF: 148.5/99

- sign -179.902+/-114.172 χ^2/NDF: 48.2/51


asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug
3500
3000
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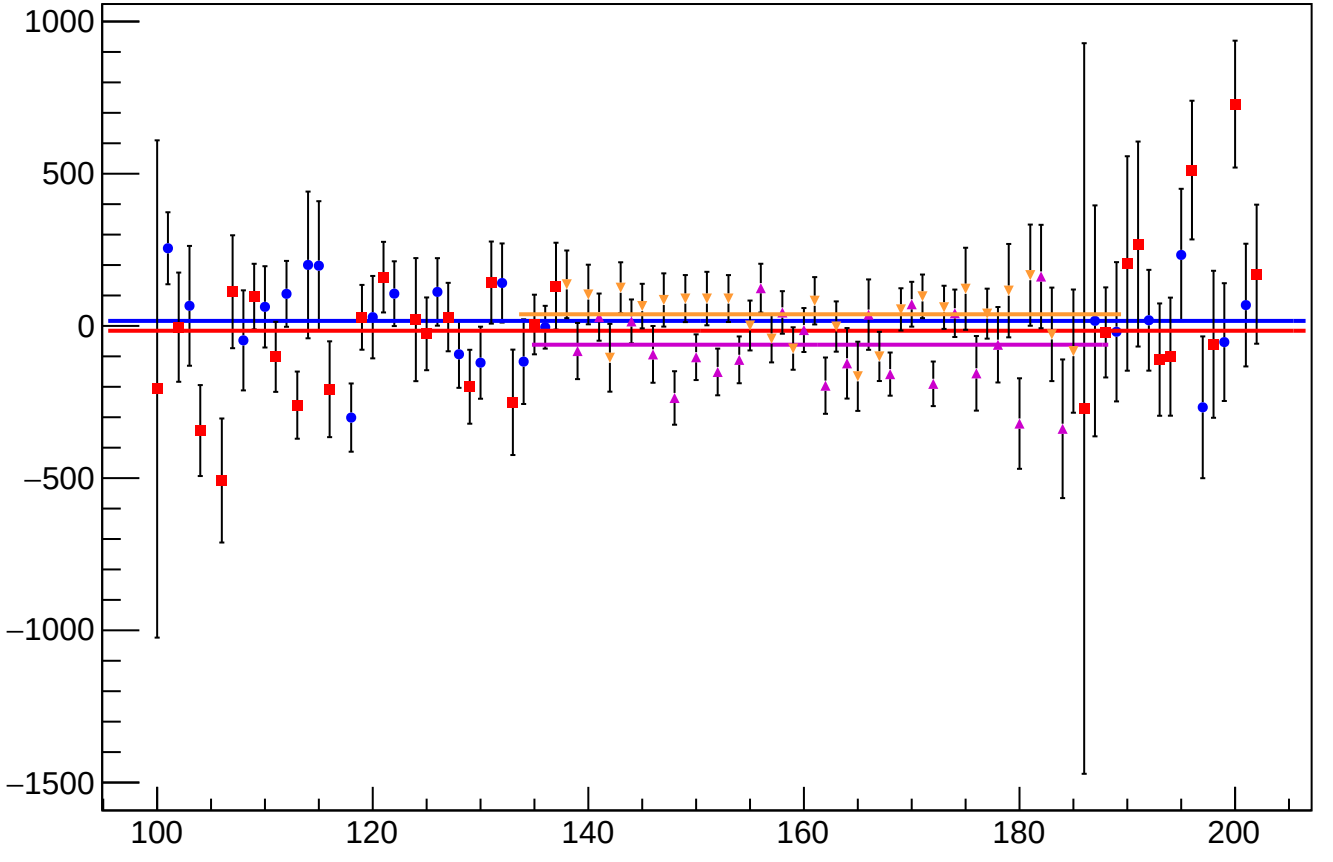
160
180
200
Right In: 1056.264+/-0.225 χ²/NDF: 2508787.1/22
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1127.496+/-0.223 χ²/NDF: 3209730.4/28
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 583.356+/-0.079 χ²/NDF: 8796610.3/47
All: 589.163+/-0.057 χ²/NDF: 19704708.6/99
- sign 595.189+/-0.081 χ²/NDF: 10897159.0/51

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 16.494+/-28.405 χ^2/NDF: 22.8/22

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -15.867+/-28.190 χ^2/NDF: 49.0/28

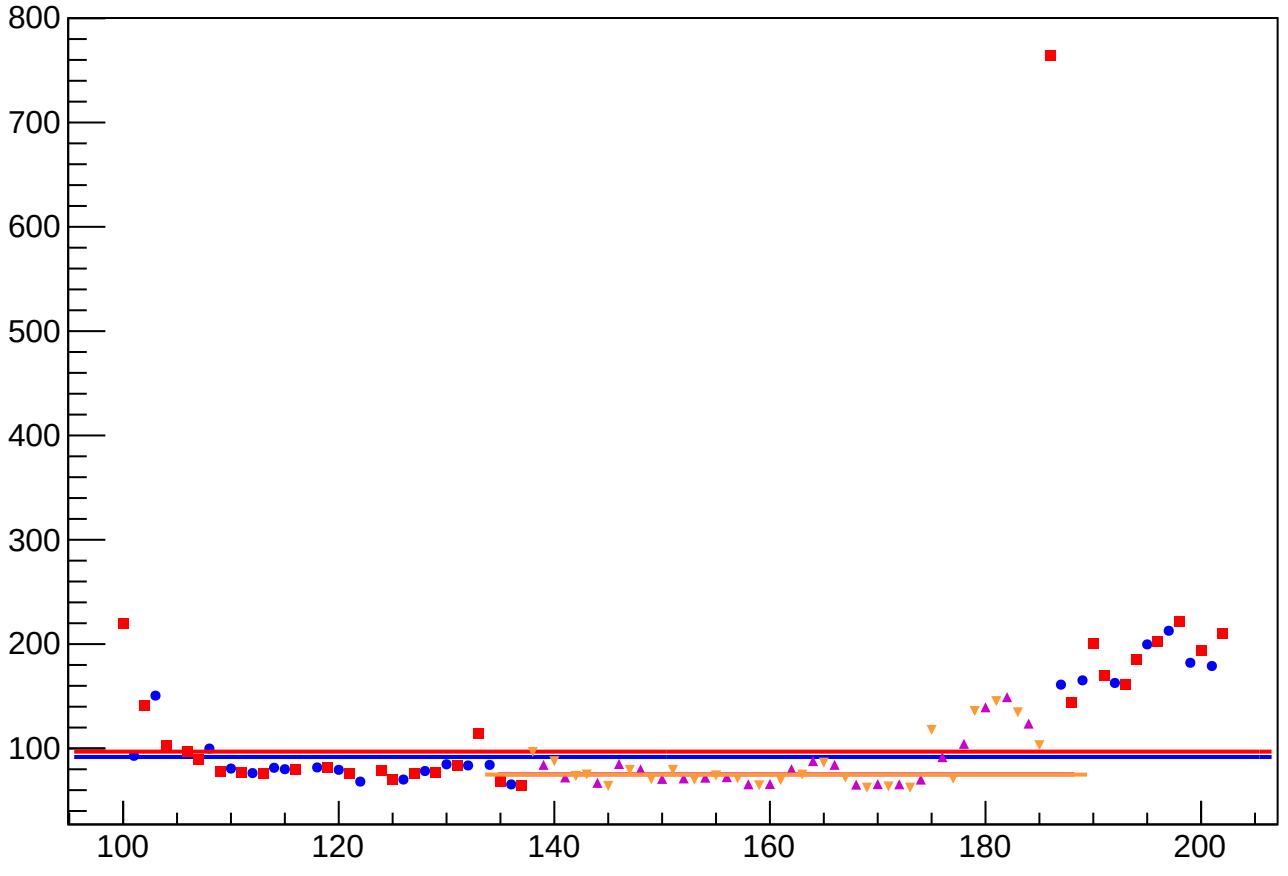
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.203+/-15.004 χ^2/NDF: 42.1/47

All: -7.271+/-10.707 χ^2/NDF: 143.7/99

- sign -48.241+/-15.285 χ^2/NDF: 87.6/51

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 91.749+/-0.020 χ^2/NDF: 3270073.9/22

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 96.906+/-0.020 χ^2/NDF: 4690318.8/28

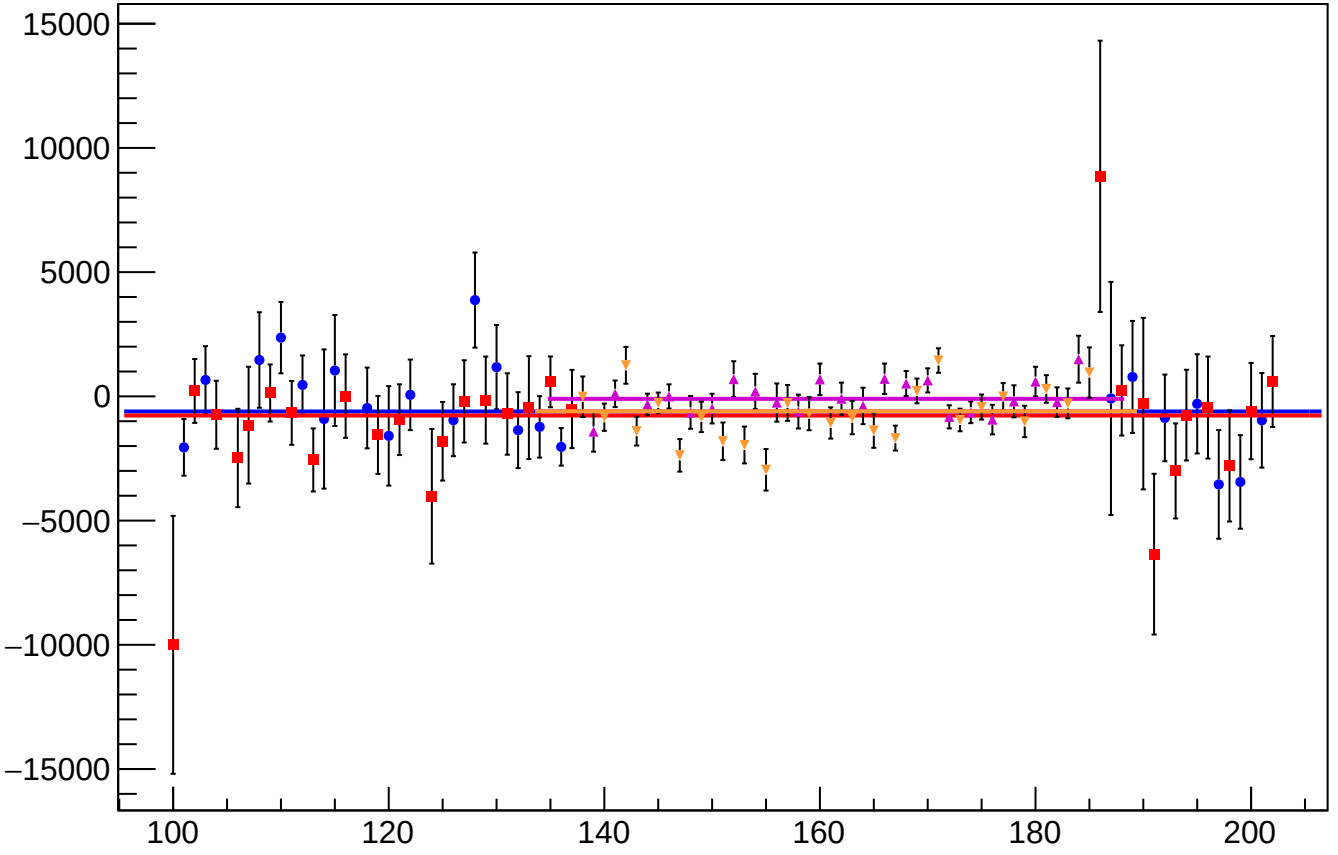
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 79.603+/-0.011 χ^2/NDF: 5438811.2/47

All: 80.558+/-0.008 χ^2/NDF: 12298794.5/99

- sign 81.550+/-0.011 χ^2/NDF: 6843445.6/51

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -607.971+/-320.280 χ^2/NDF: 25.0/22

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

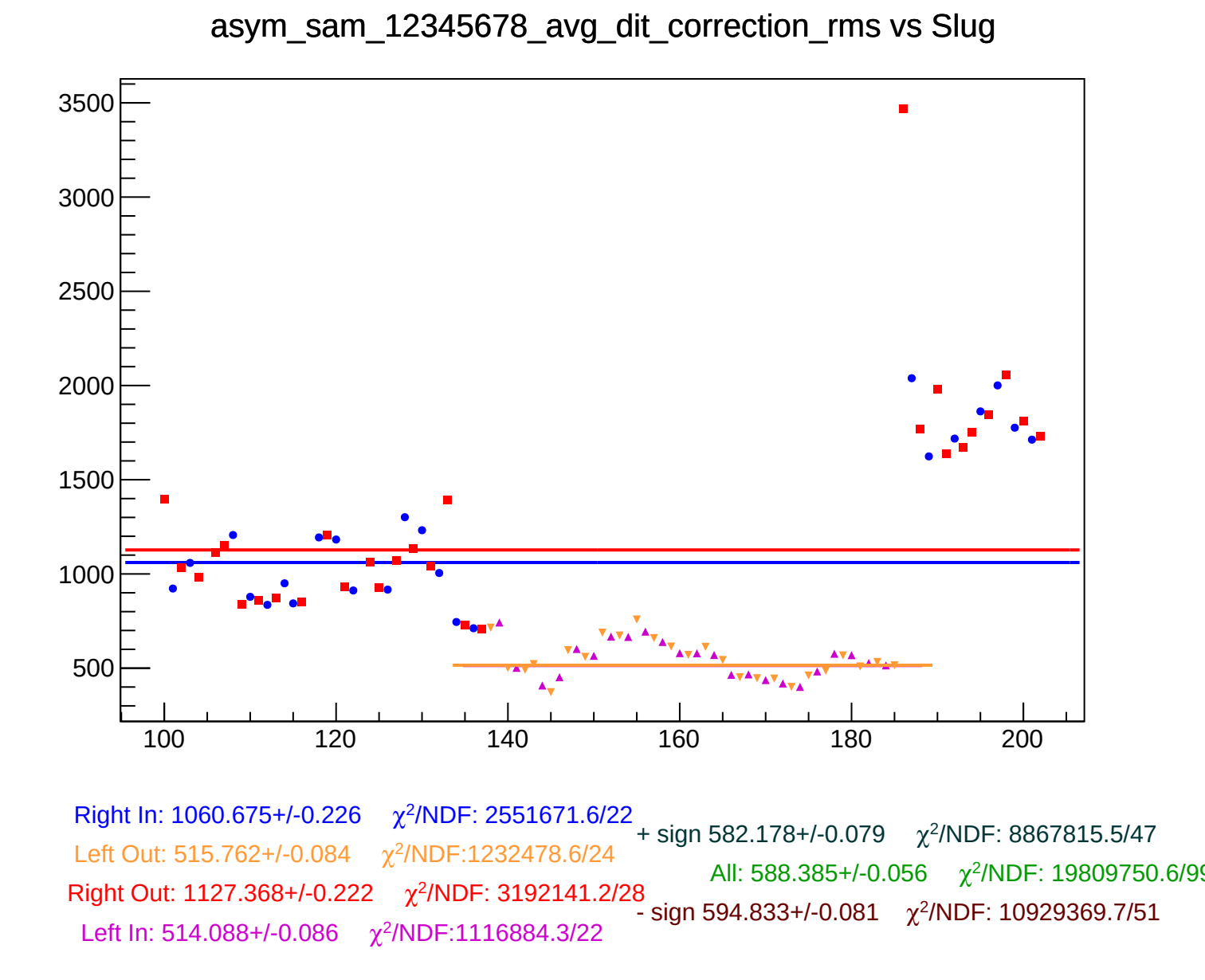
Right Out: -771.189+/-314.107 χ^2/NDF: 20.7/28

Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -599.941+/-111.816 χ^2/NDF: 90.1/47

All: -397.708+/-79.818 χ^2/NDF: 145.1/99

- sign -187.590+/-113.975 χ^2/NDF: 48.4/51


asym_sam_12345678_avg_dit_correction_rms vs Slug
3500
3000
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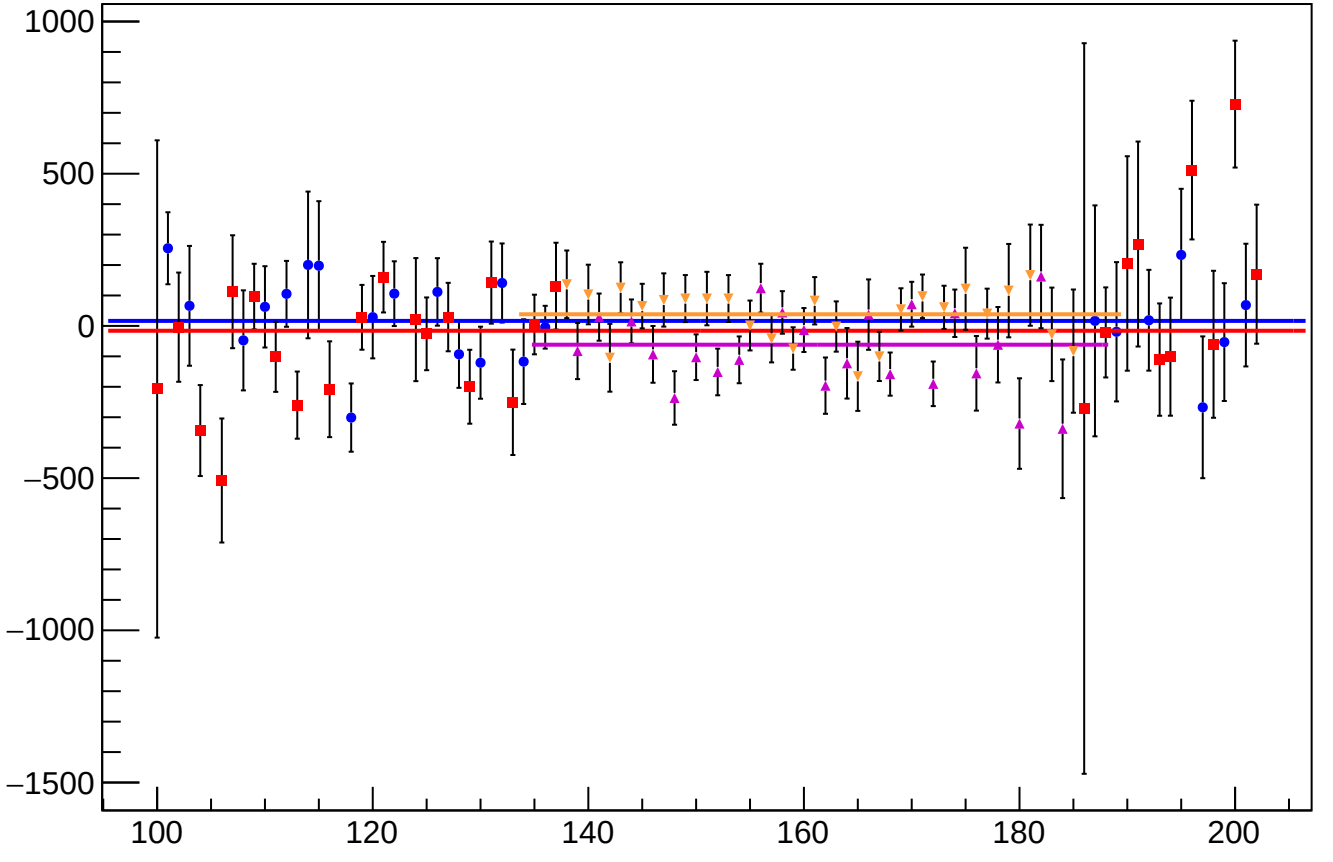
100
120
140
160
180
200
Right In: 1060.675+/-0.226 χ²/NDF: 2551671.6/22
Left Out: 515.762+/-0.084 χ²/NDF:1232478.6/24
Right Out: 1127.368+/-0.222 χ²/NDF: 3192141.2/28
Left In: 514.088+/-0.086 χ²/NDF:1116884.3/22
+ sign 582.178+/-0.079 χ²/NDF: 8867815.5/47
All: 588.385+/-0.056 χ²/NDF: 19809750.6/99
- sign 594.833+/-0.081 χ²/NDF: 10929369.7/51

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 16.494+/-28.405 χ^2/NDF: 22.8/22

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -15.865+/-28.190 χ^2/NDF: 49.0/28

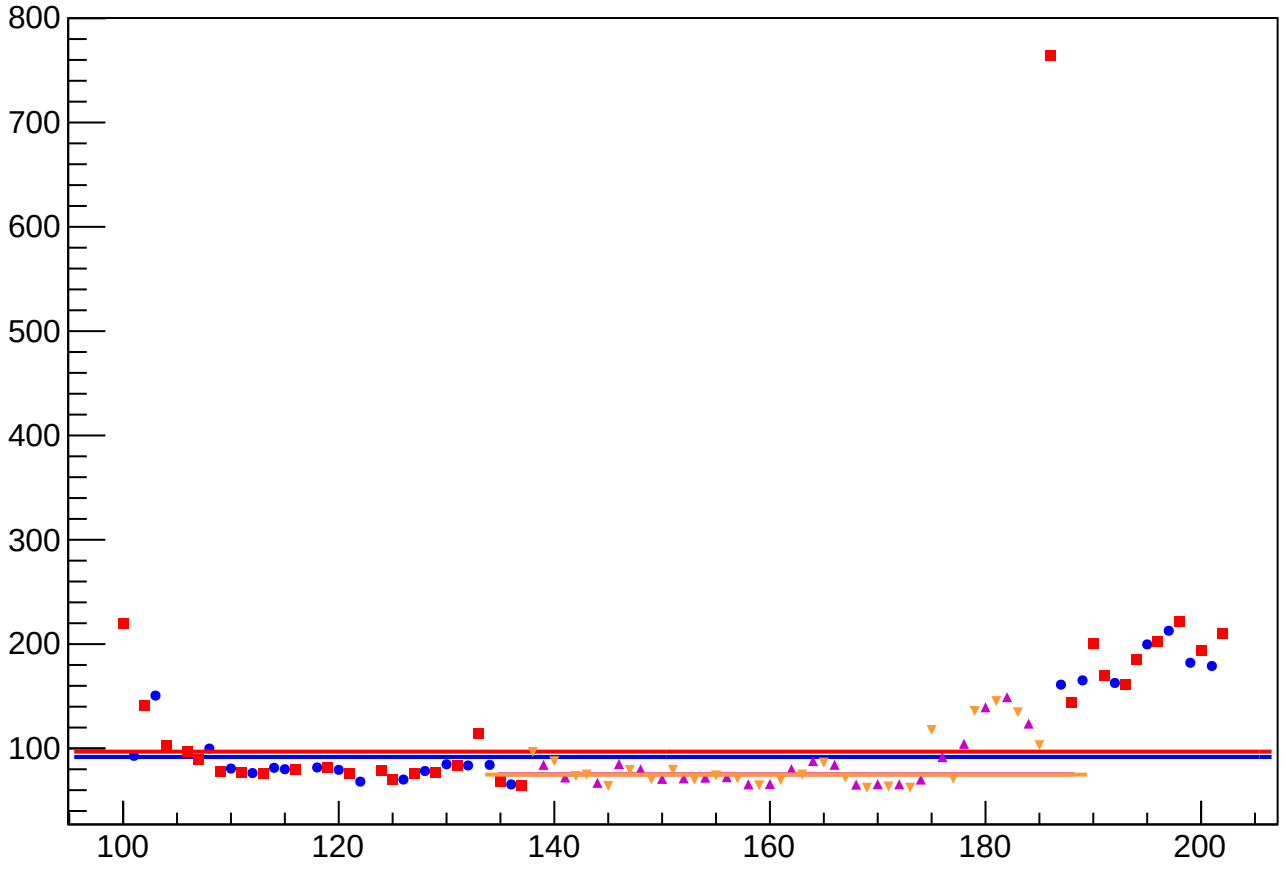
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.203+/-15.004 χ^2/NDF: 42.1/47

All: -7.271+/-10.707 χ^2/NDF: 143.7/99

- sign -48.240+/-15.285 χ^2/NDF: 87.5/51

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 91.748+/-0.020 χ^2/NDF: 3270081.6/22

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

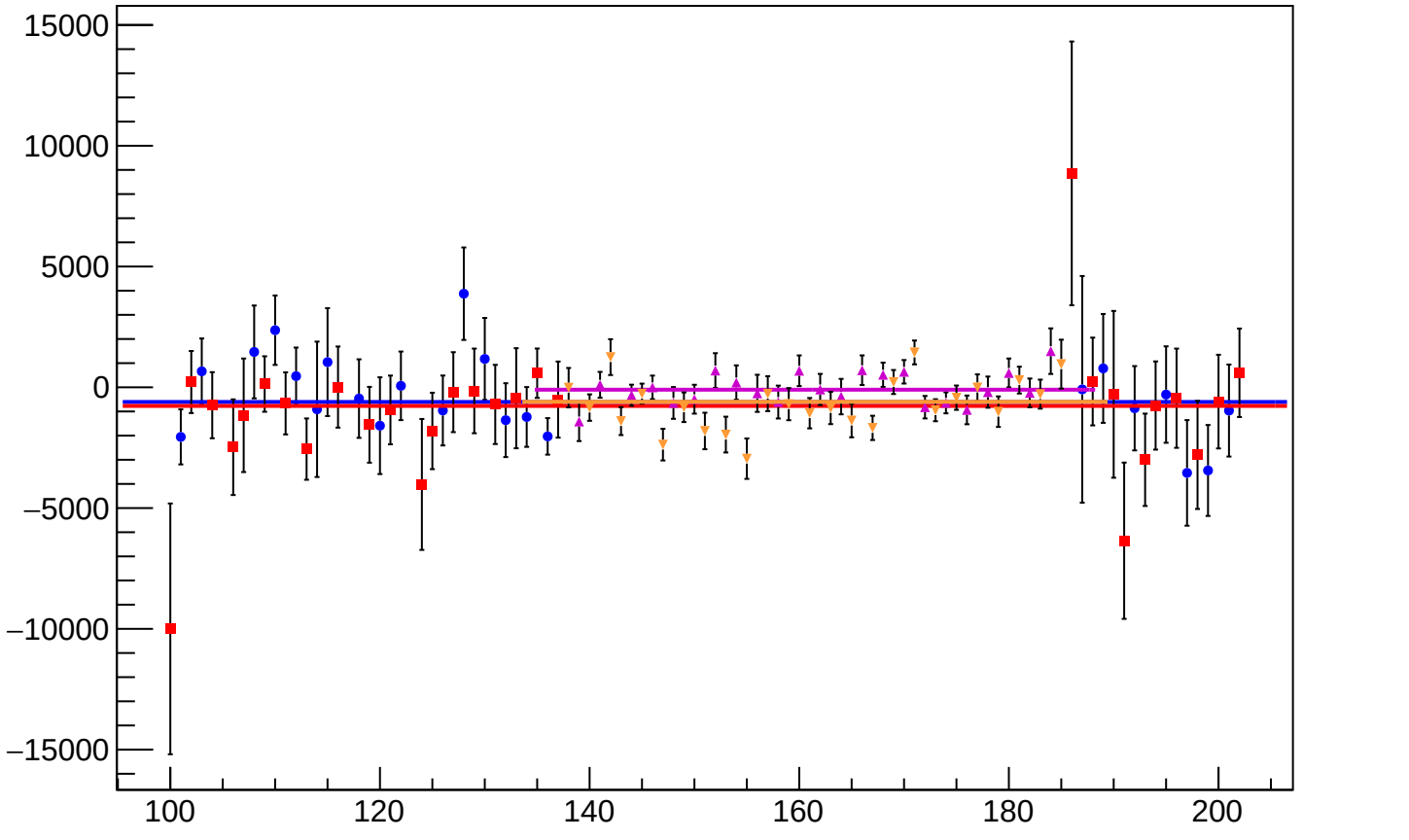
Right Out: 96.906+/-0.020 χ^2/NDF: 4690346.4/28

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 79.603+/-0.011 χ^2/NDF: 5438788.6/47

All: 80.559+/-0.008 χ^2/NDF: 12298749.2/99

- sign 81.550+/-0.011 χ^2/NDF: 6843422.4/51



Right In: -607.968+/-320.280 χ^2/NDF: 25.0/22

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

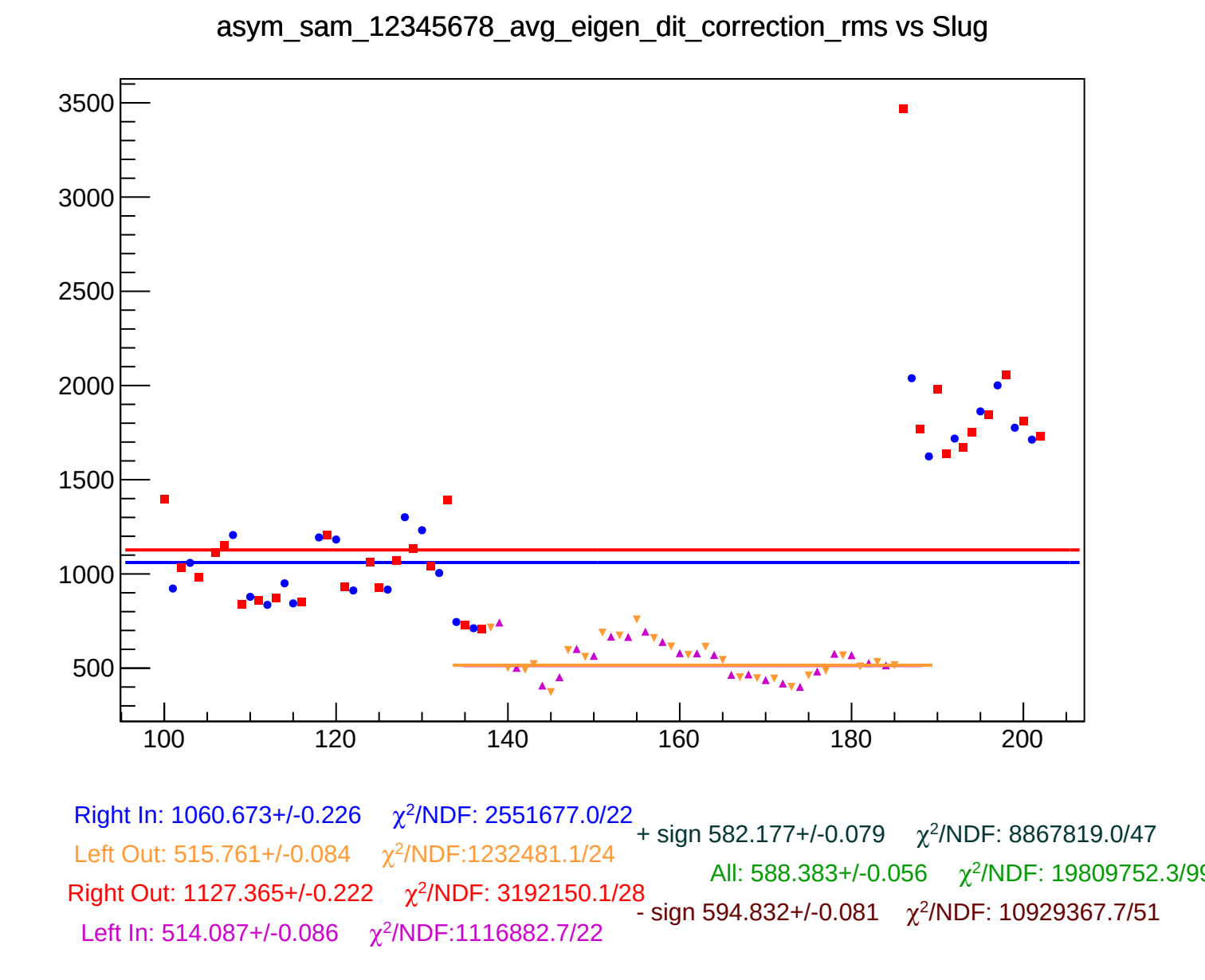
Right Out: -771.188+/-314.107 χ^2/NDF: 20.7/28

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

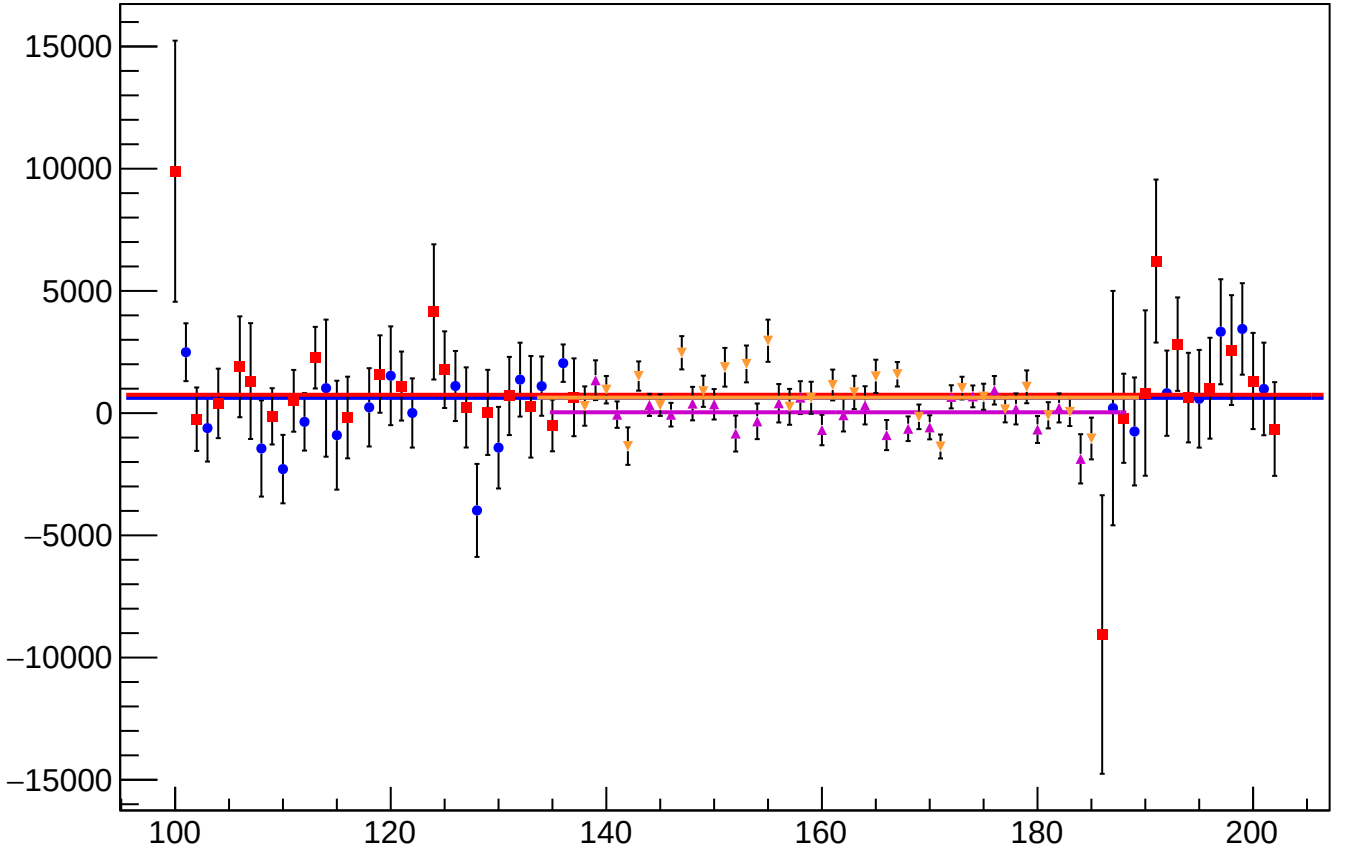
+ sign -599.940+/-111.816 χ^2/NDF: 90.1/47

All: -397.707+/-79.818 χ^2/NDF: 145.1/99

- sign -187.590+/-113.974 χ^2/NDF: 48.4/51


asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1060.673+/-0.226 χ²/NDF: 2551677.0/22
Left Out: 515.761+/-0.084 χ²/NDF:1232481.1/24
Right Out: 1127.365+/-0.222 χ²/NDF: 3192150.1/28
Left In: 514.087+/-0.086 χ²/NDF:1116882.7/22
+ sign 582.177+/-0.079 χ²/NDF: 8867819.0/47
All: 588.383+/-0.056 χ²/NDF: 19809752.3/99
- sign 594.832+/-0.081 χ²/NDF: 10929367.7/51

asym_sam_12345678_avg_mean vs Slug



Right In: 624.960+/-320.189 χ^2/NDF: 26.0/22

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 751.429+/-316.226 χ^2/NDF: 18.8/28

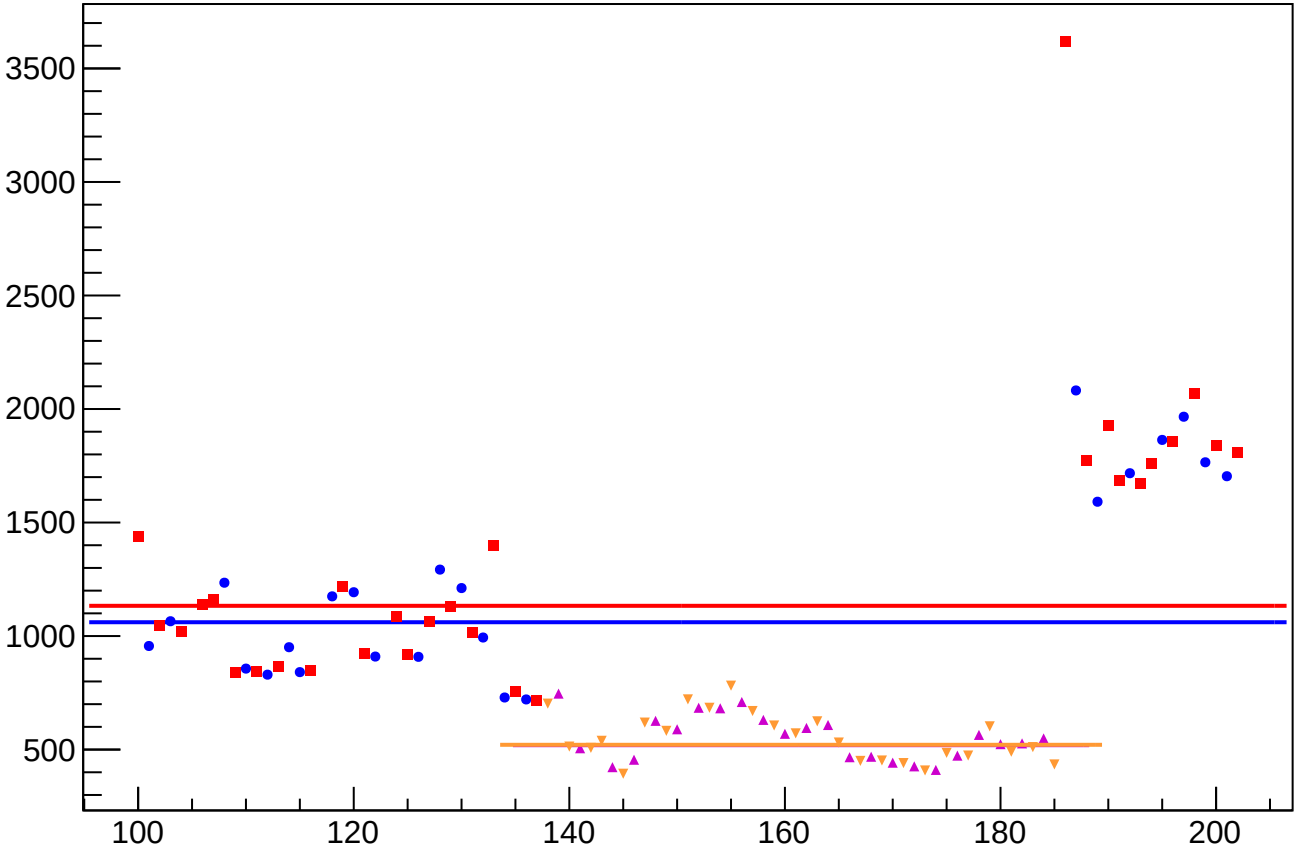
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 633.561+/-112.956 χ^2/NDF: 90.5/47

All: 386.248+/-80.603 χ^2/NDF: 148.6/99

- sign 129.668+/-115.052 χ^2/NDF: 48.3/51

asym_sam_12345678_avg_rms vs Slug



Right In: 1060.867+/-0.226 χ^2/NDF: 2512559.6/22

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

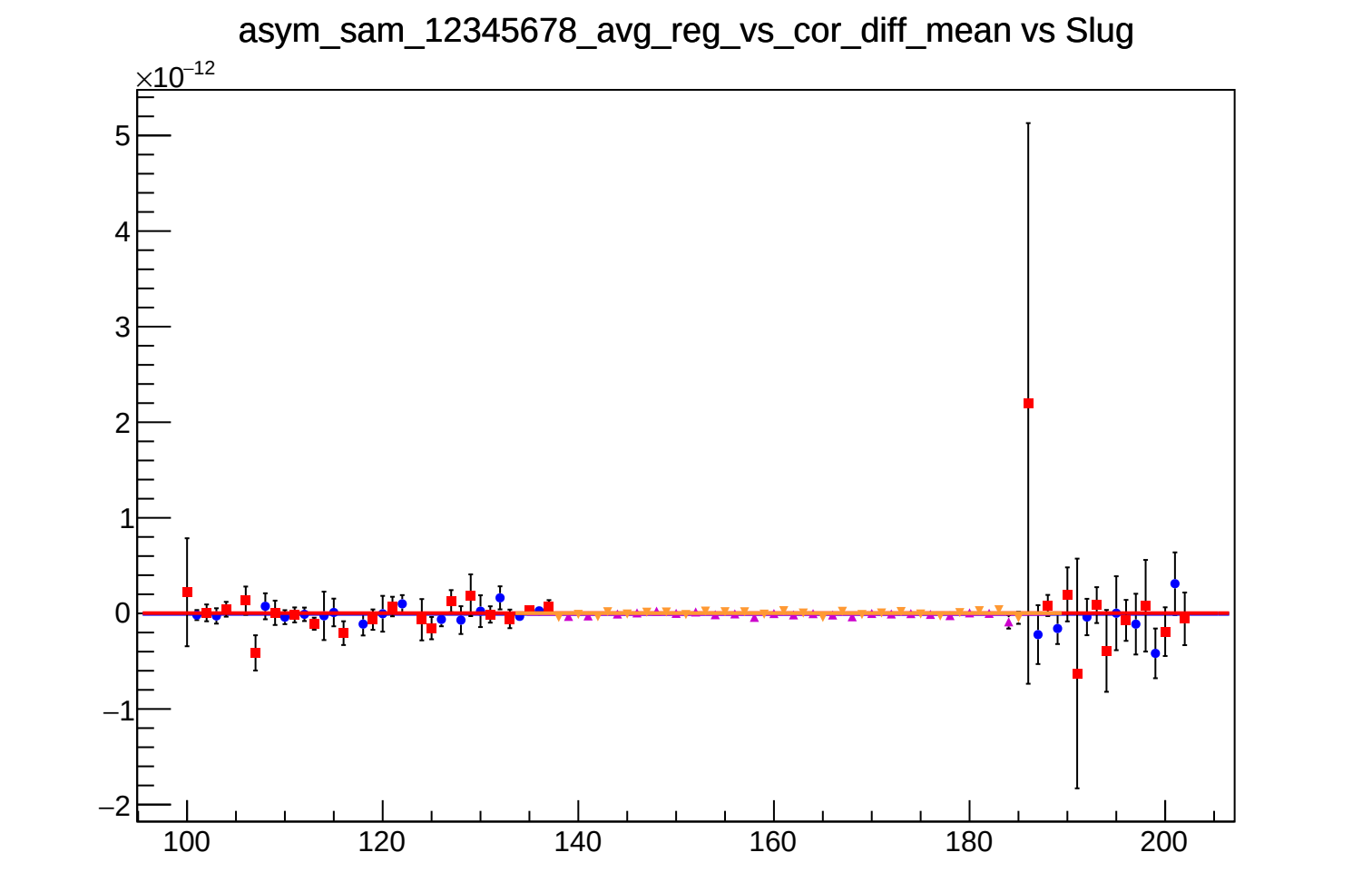
Right Out: 1133.168+/-0.224 χ^2/NDF: 3223367.9/28

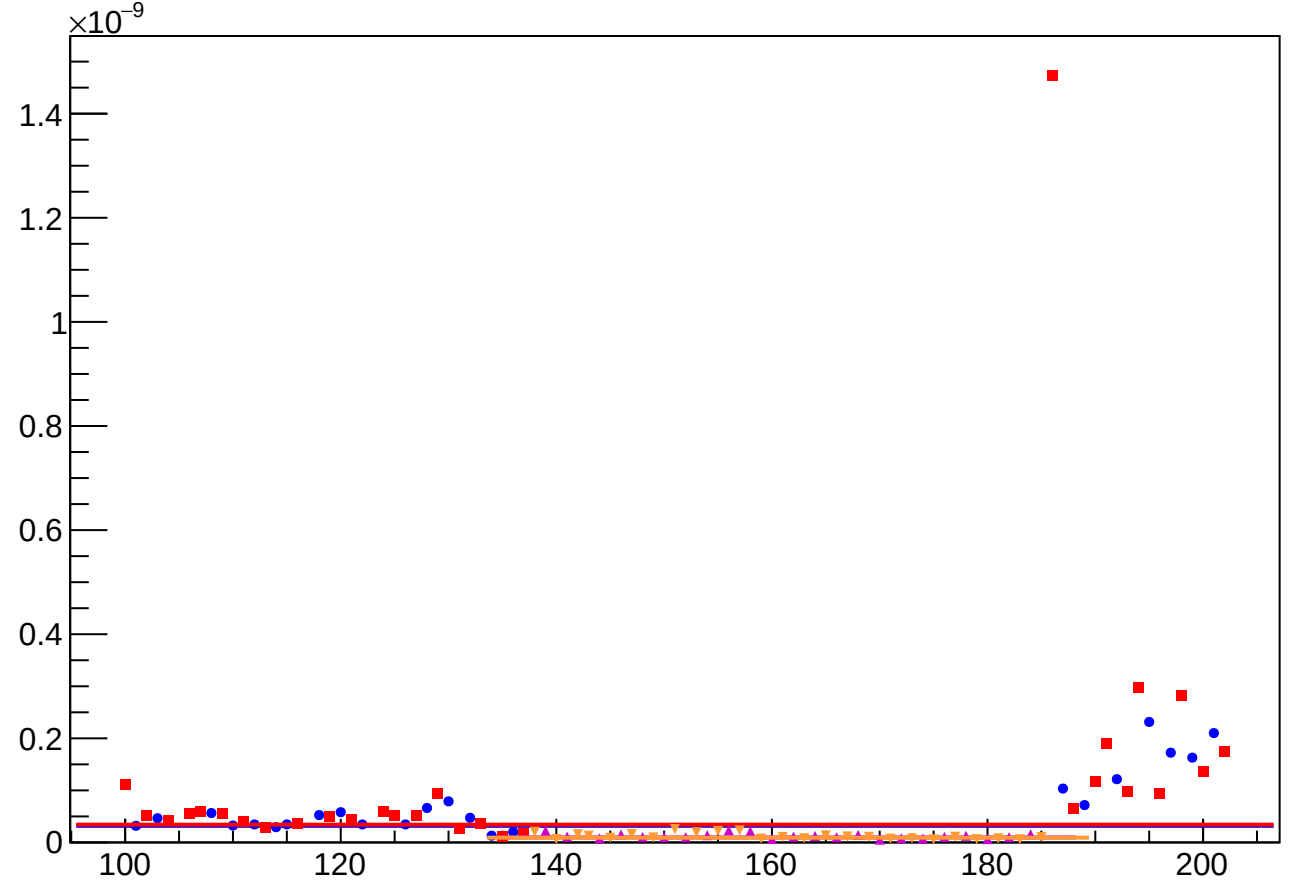
Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 588.210+/-0.080 χ^2/NDF: 8733282.5/47

All: 594.245+/-0.057 χ^2/NDF: 19609258.7/99

- sign 600.506+/-0.081 χ^2/NDF: 10864343.2/51


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 12.1/22
Left Out: 0.000+/-0.000 χ²/NDF:22.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.1/28
Left In: -0.000+/-0.000 χ²/NDF:10.8/22
+ sign 0.000+/-0.000 χ²/NDF: 34.7/47
All: -0.000+/-0.000 χ²/NDF: 70.2/99
- sign -0.000+/-0.000 χ²/NDF: 34.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 3923338.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

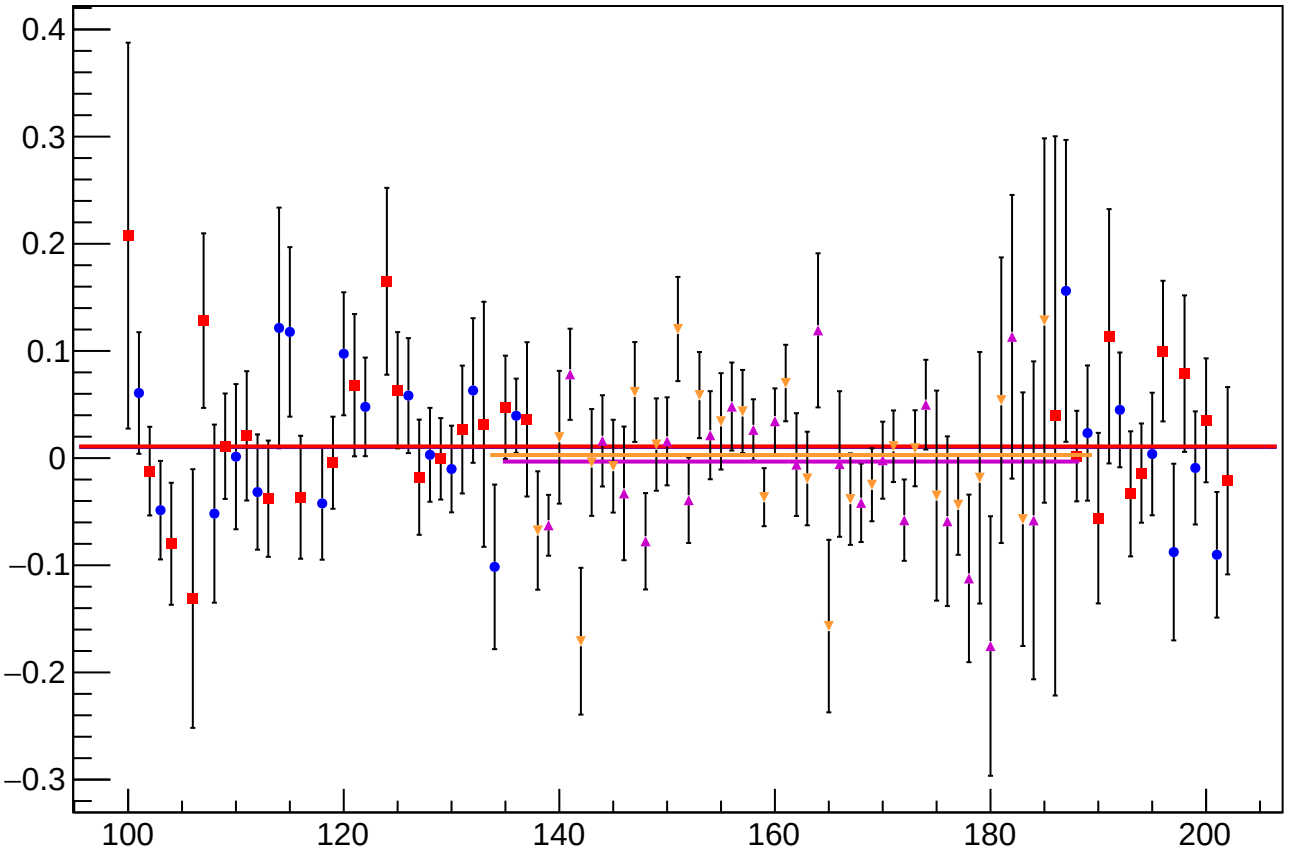
Right Out: 0.000+/-0.000 χ^2/NDF: 5152478.8/28

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9322130.2/47

All: 0.000+/-0.000 χ^2/NDF: 19419702.6/99

- sign 0.000+/-0.000 χ^2/NDF: 10085049.9/51



Right In: 0.010+/-0.012 χ^2/NDF: 21.0/22

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

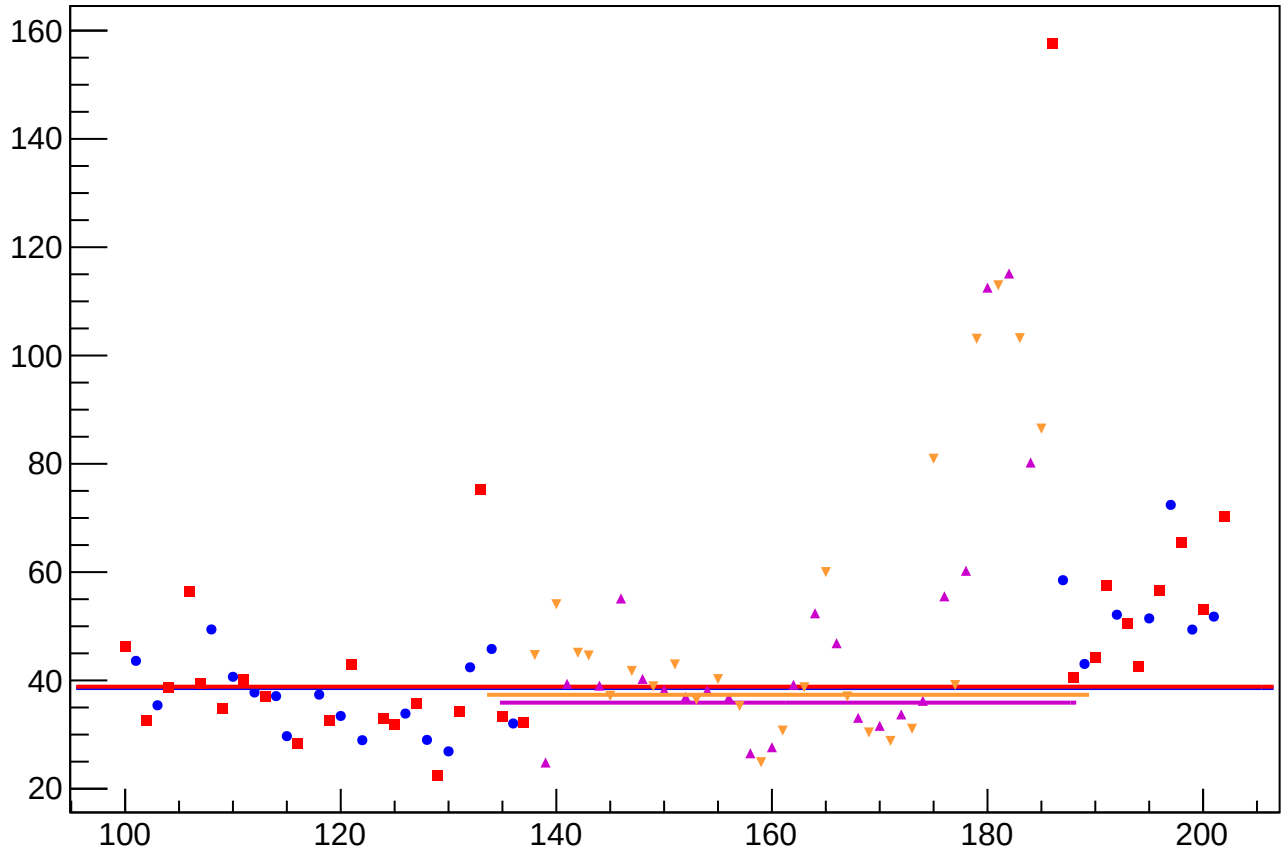
Right Out: 0.011+/-0.011 χ^2/NDF: 20.5/28

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.006+/-0.007 χ^2/NDF: 54.1/47

All: 0.004+/-0.005 χ^2/NDF: 105.5/99

- sign 0.003+/-0.007 χ^2/NDF: 51.3/51



Right In: 38.593+/-0.008 χ^2/NDF: 1366095.9/22

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

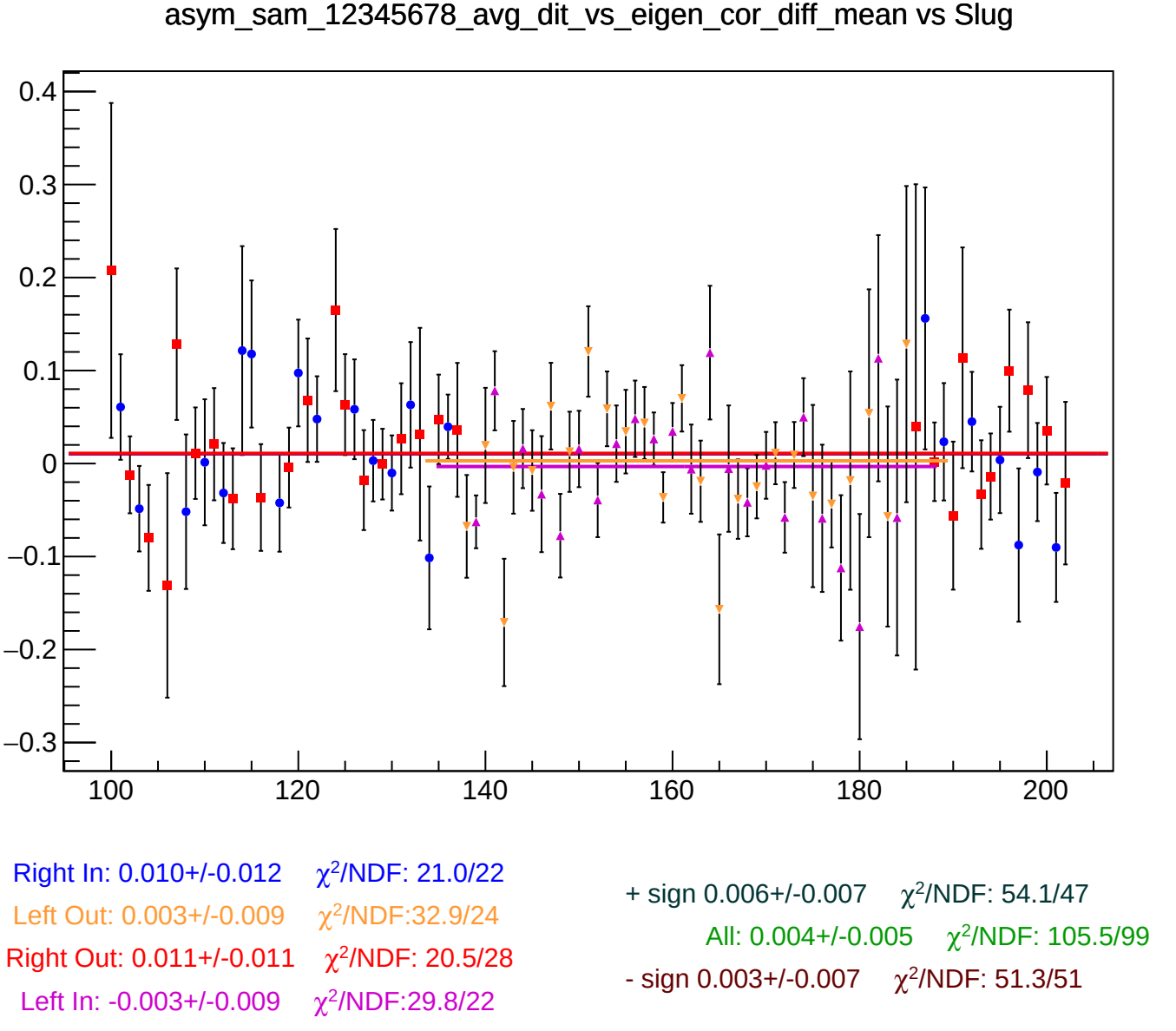
Right Out: 38.844+/-0.008 χ^2/NDF: 2268190.4/28

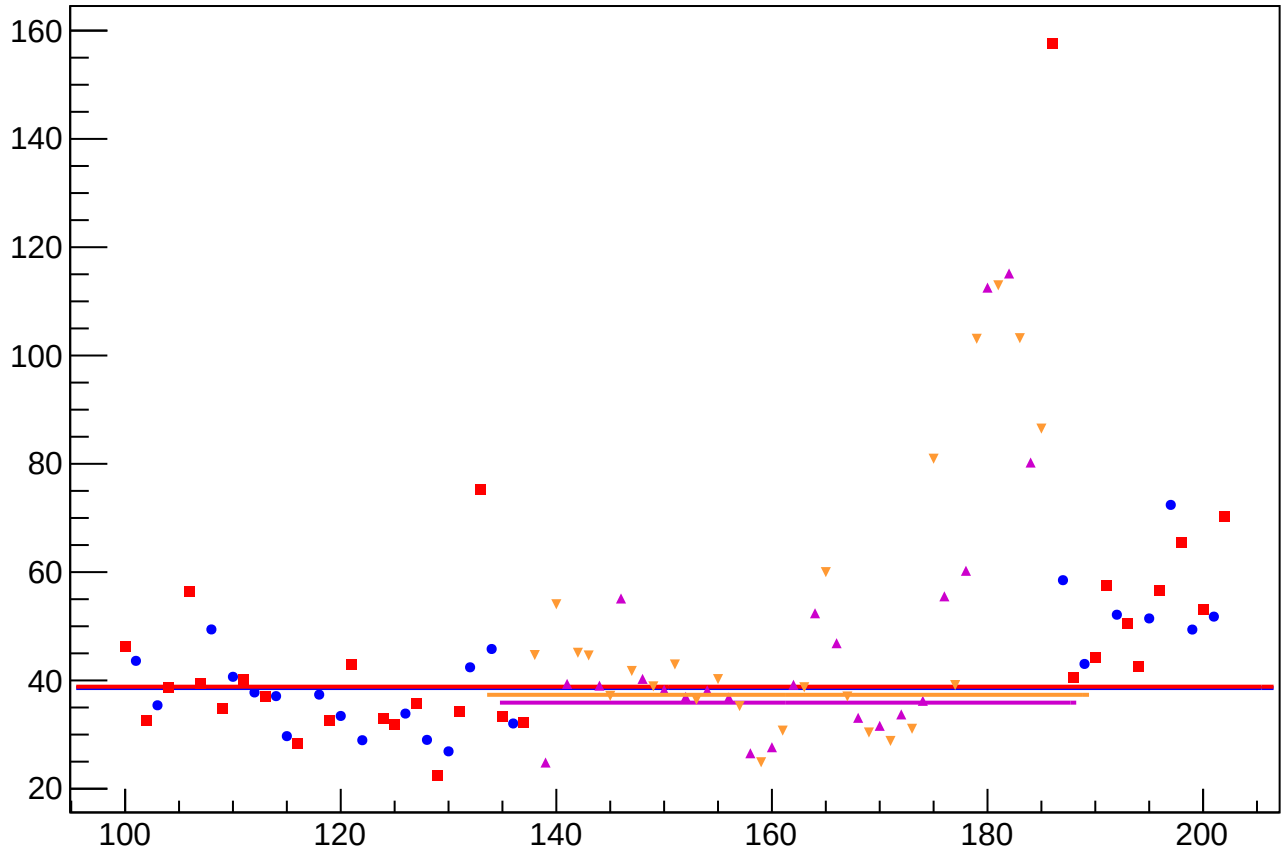
Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.826+/-0.005 χ^2/NDF: 5076778.5/47

All: 37.449+/-0.004 χ^2/NDF: 10577840.6/99

- sign 37.093+/-0.005 χ^2/NDF: 5490576.8/51


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
−0.3
100
120
140
160
180
200
Right In: 0.010+/-0.012 χ²/NDF: 21.0/22
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: 0.011+/-0.011 χ²/NDF: 20.5/28
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign 0.006+/-0.007 χ²/NDF: 54.1/47
All: 0.004+/-0.005 χ²/NDF: 105.5/99
- sign 0.003+/-0.007 χ²/NDF: 51.3/51



Right In: 38.593+/-0.008 χ^2/NDF: 1366095.9/22

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

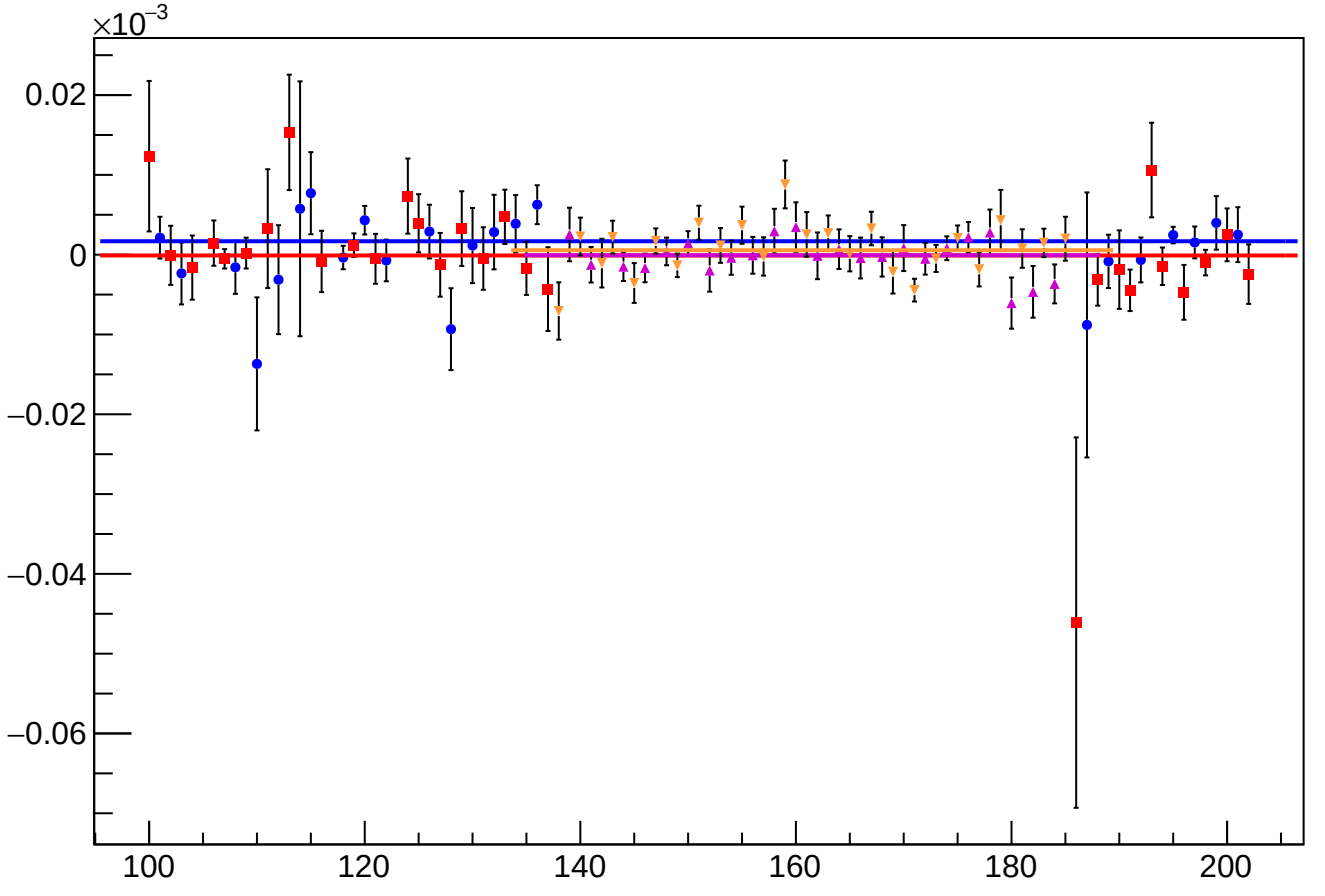
Right Out: 38.844+/-0.008 χ^2/NDF: 2268190.4/28

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.826+/-0.005 χ^2/NDF: 5076778.5/47

All: 37.449+/-0.004 χ^2/NDF: 10577840.6/99

- sign 37.093+/-0.005 χ^2/NDF: 5490576.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

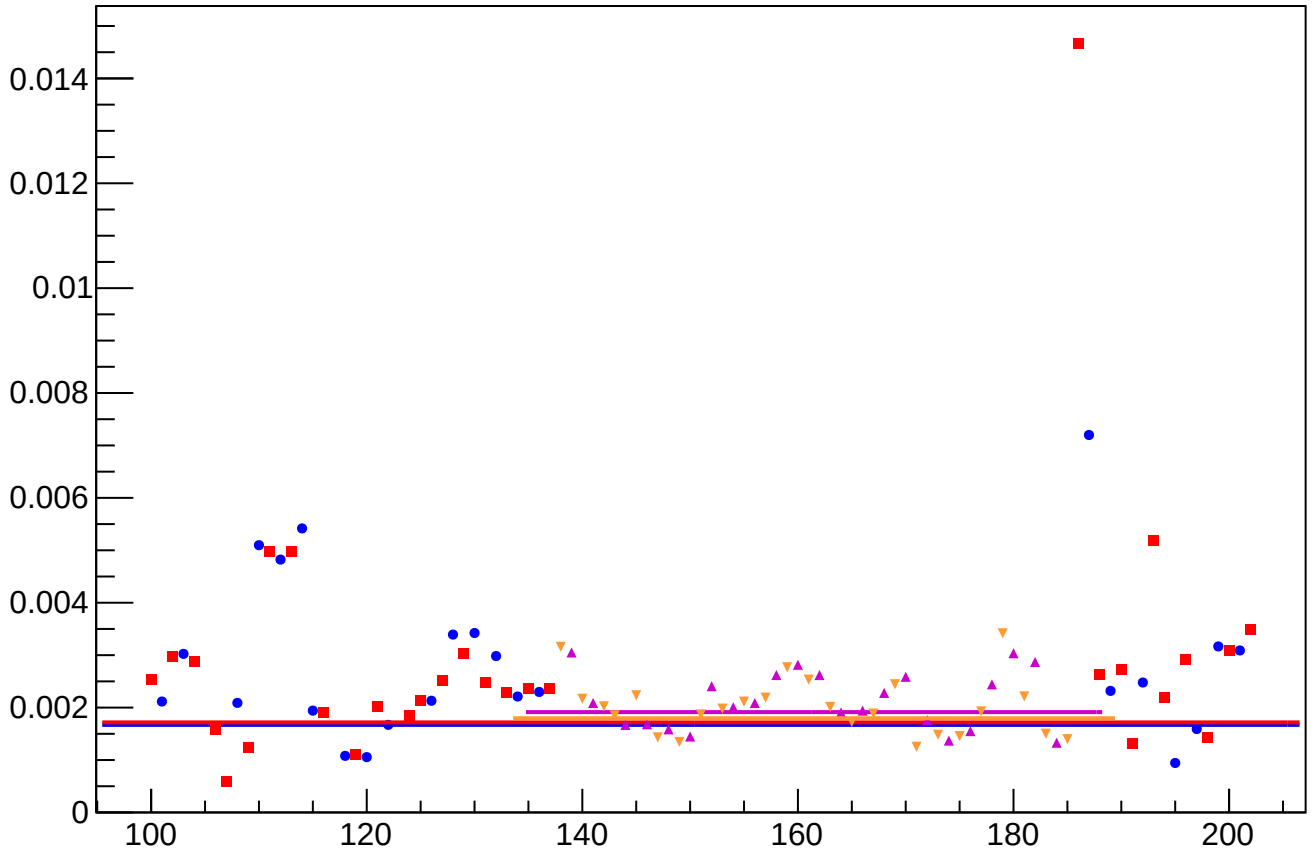
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/28

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.0/47

All: 0.000+/-0.000 χ^2/NDF: 121.4/99

- sign -0.000+/-0.000 χ^2/NDF: 46.6/51



Right In: 0.002+/-0.000 χ^2/NDF: 4832769.9/22

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

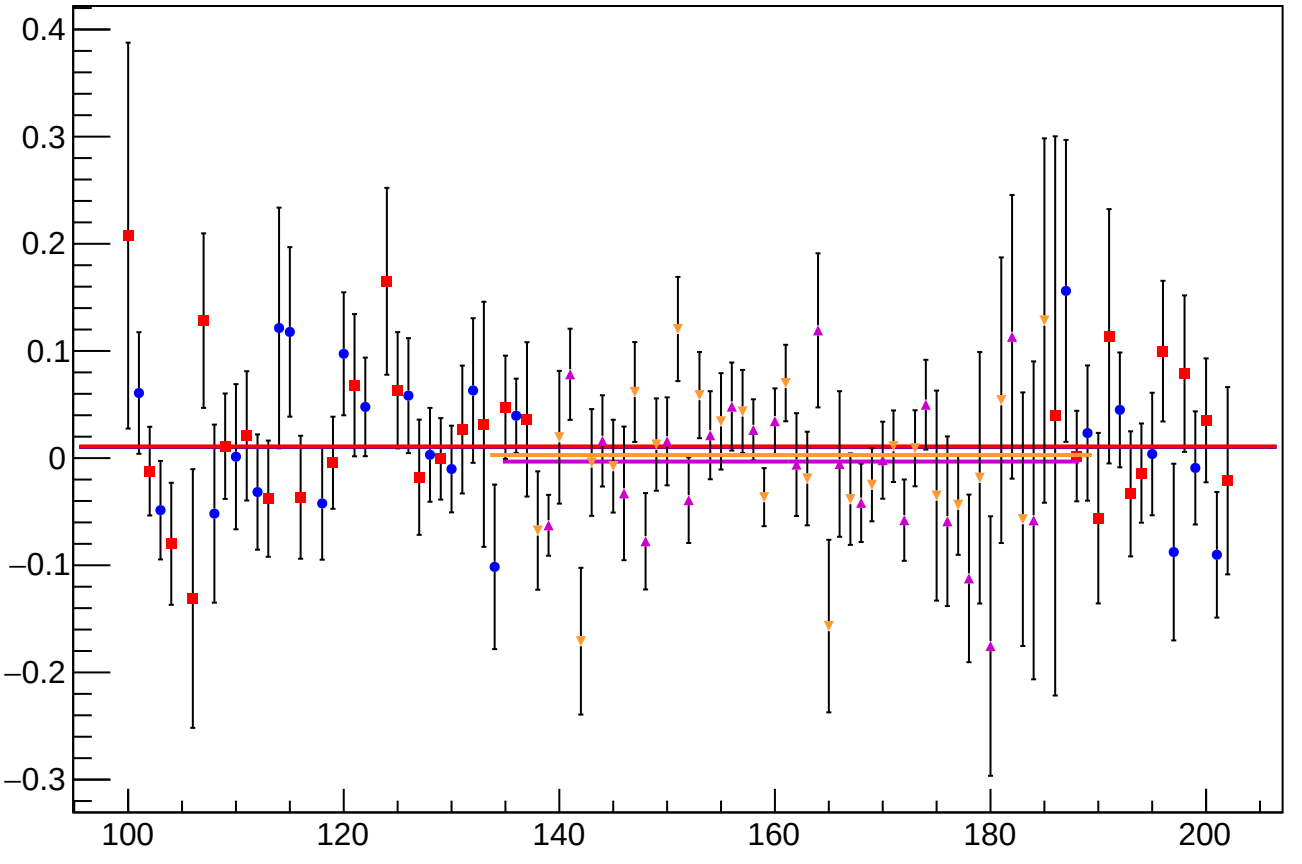
Right Out: 0.002+/-0.000 χ^2/NDF: 6701498.7/28

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 7179015.9/47

All: 0.002+/-0.000 χ^2/NDF: 16260075.1/99

- sign 0.002+/-0.000 χ^2/NDF: 9027011.1/51



Right In: 0.010+/-0.012 χ^2/NDF: 21.0/22

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

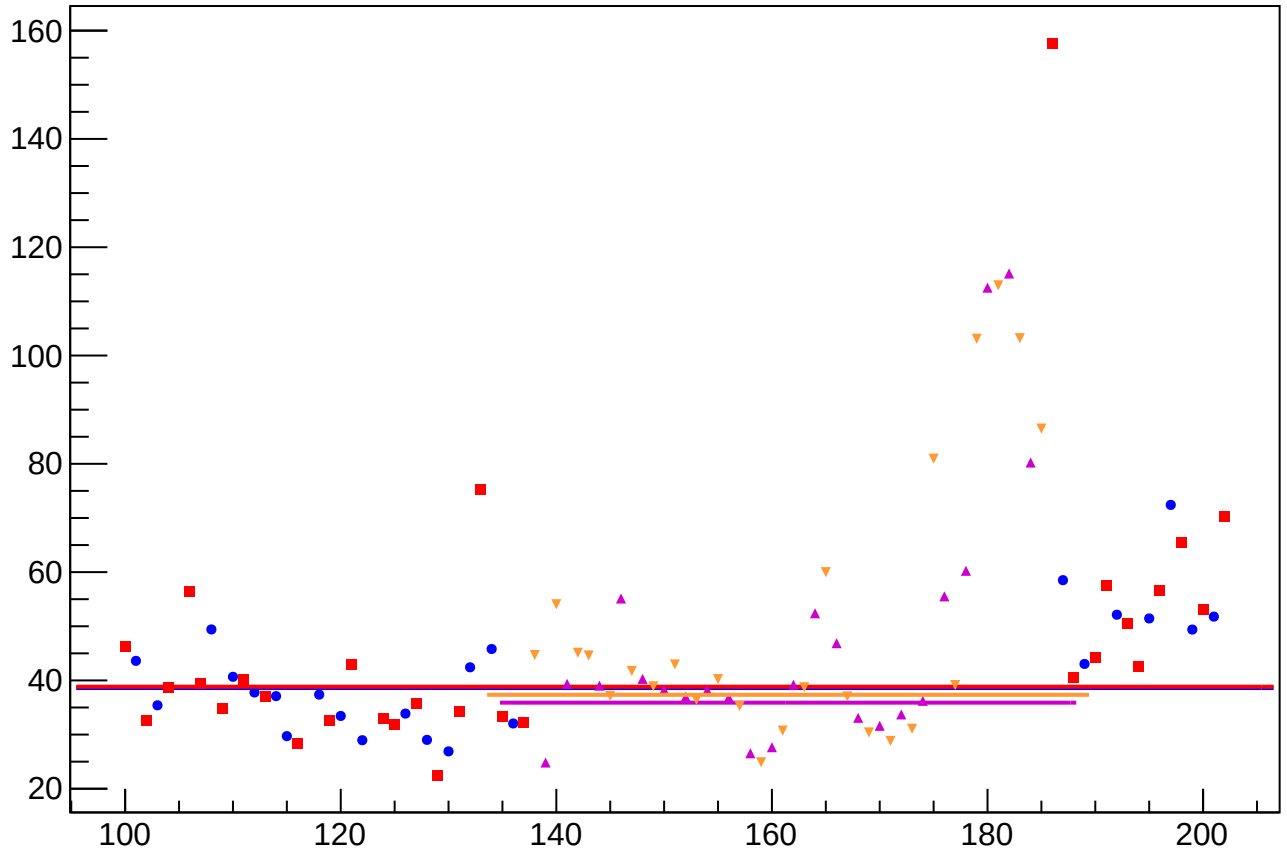
Right Out: 0.011+/-0.011 χ^2/NDF: 20.5/28

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.006+/-0.007 χ^2/NDF: 54.1/47

All: 0.004+/-0.005 χ^2/NDF: 105.5/99

- sign 0.003+/-0.007 χ^2/NDF: 51.3/51



Right In: 38.592+/-0.008 χ^2/NDF: 1366210.3/22

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.843+/-0.008 χ^2/NDF: 2268310.6/28

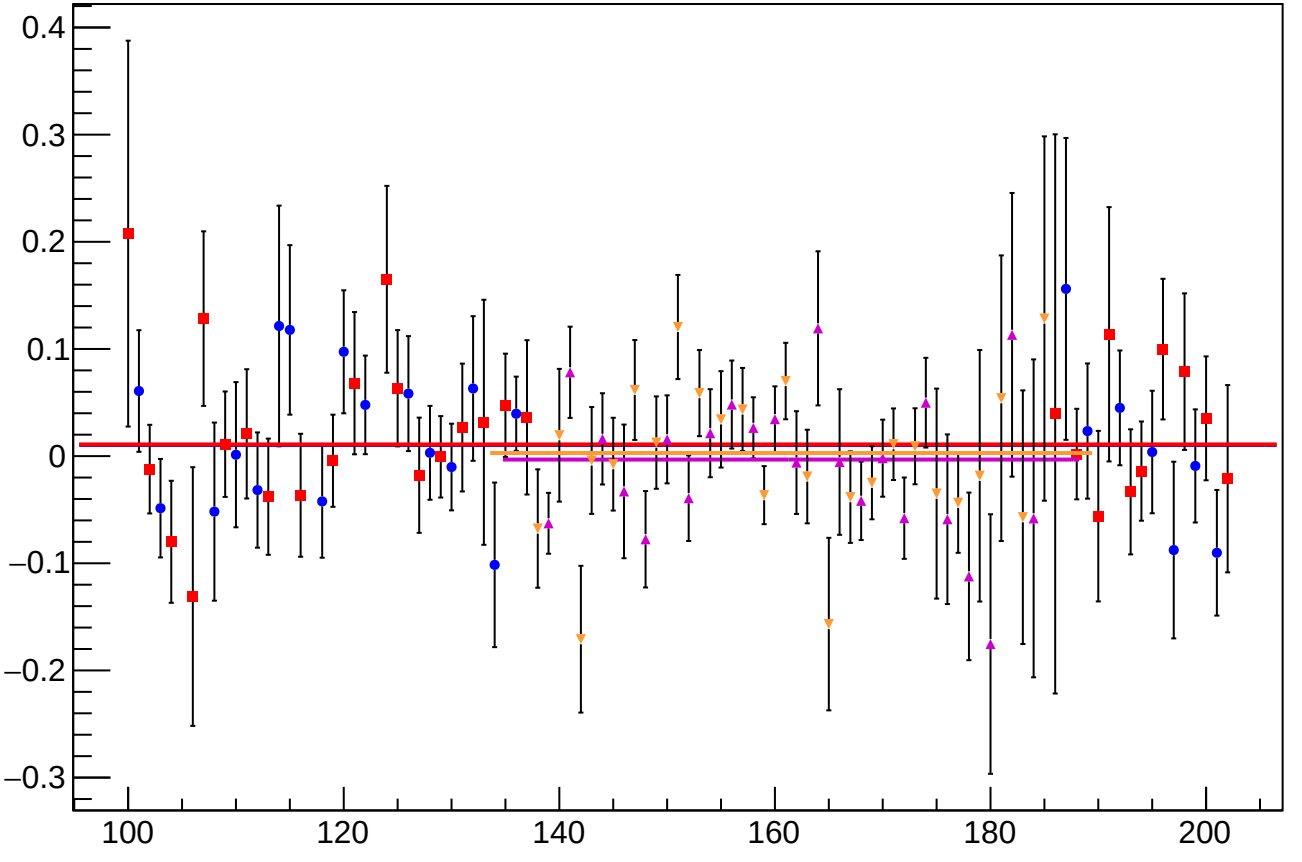
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.826+/-0.005 χ^2/NDF: 5076922.2/47

All: 37.449+/-0.004 χ^2/NDF: 10578074.5/99

- sign 37.093+/-0.005 χ^2/NDF: 5490672.3/51

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.012 χ^2/NDF: 21.0/22

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

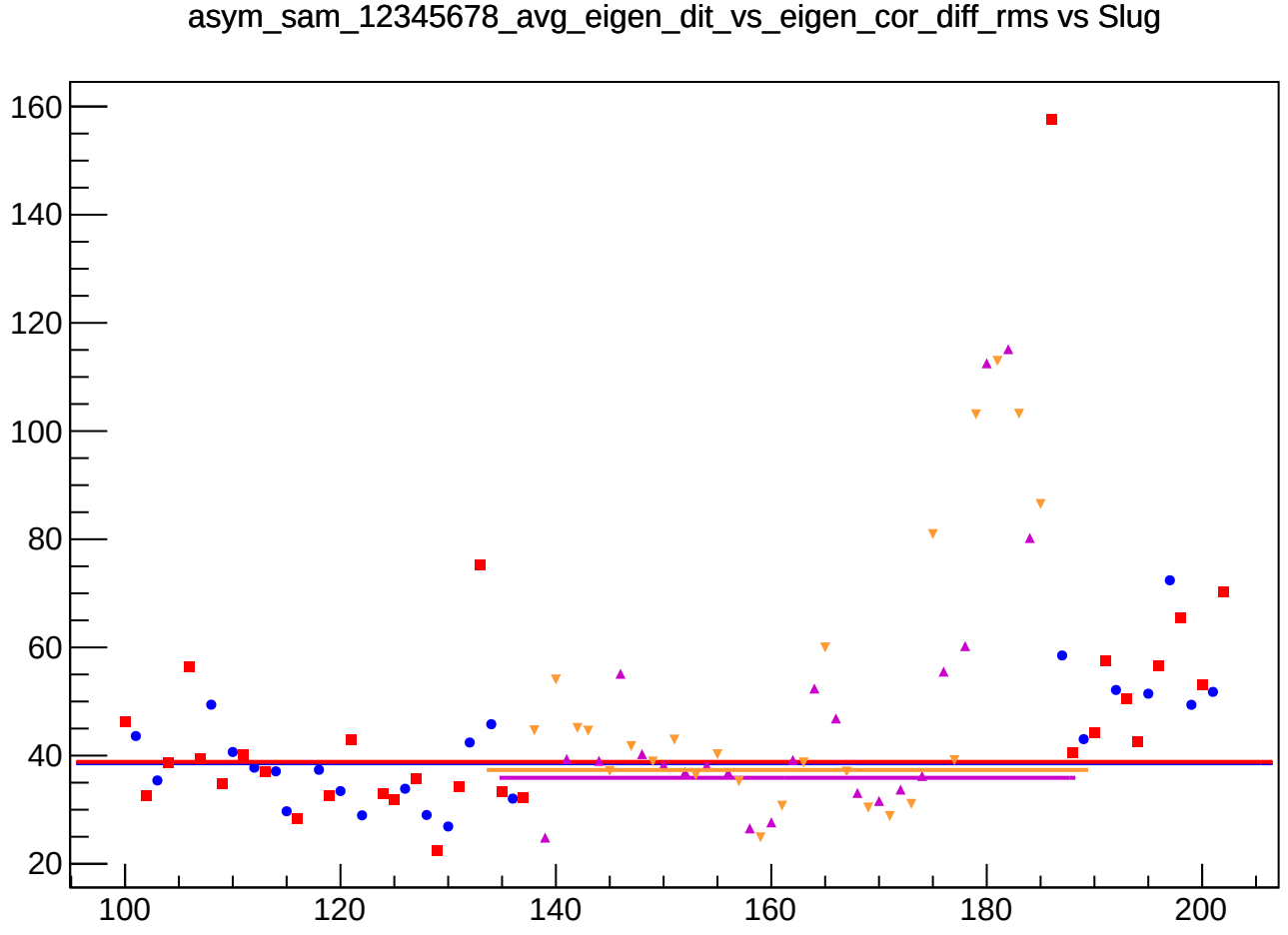
Right Out: 0.011+/-0.011 χ^2/NDF: 20.5/28

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.006+/-0.007 χ^2/NDF: 54.1/47

All: 0.004+/-0.005 χ^2/NDF: 105.5/99

- sign 0.003+/-0.007 χ^2/NDF: 51.3/51



Right In: 38.592+/-0.008 χ^2/NDF: 1366210.3/22

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

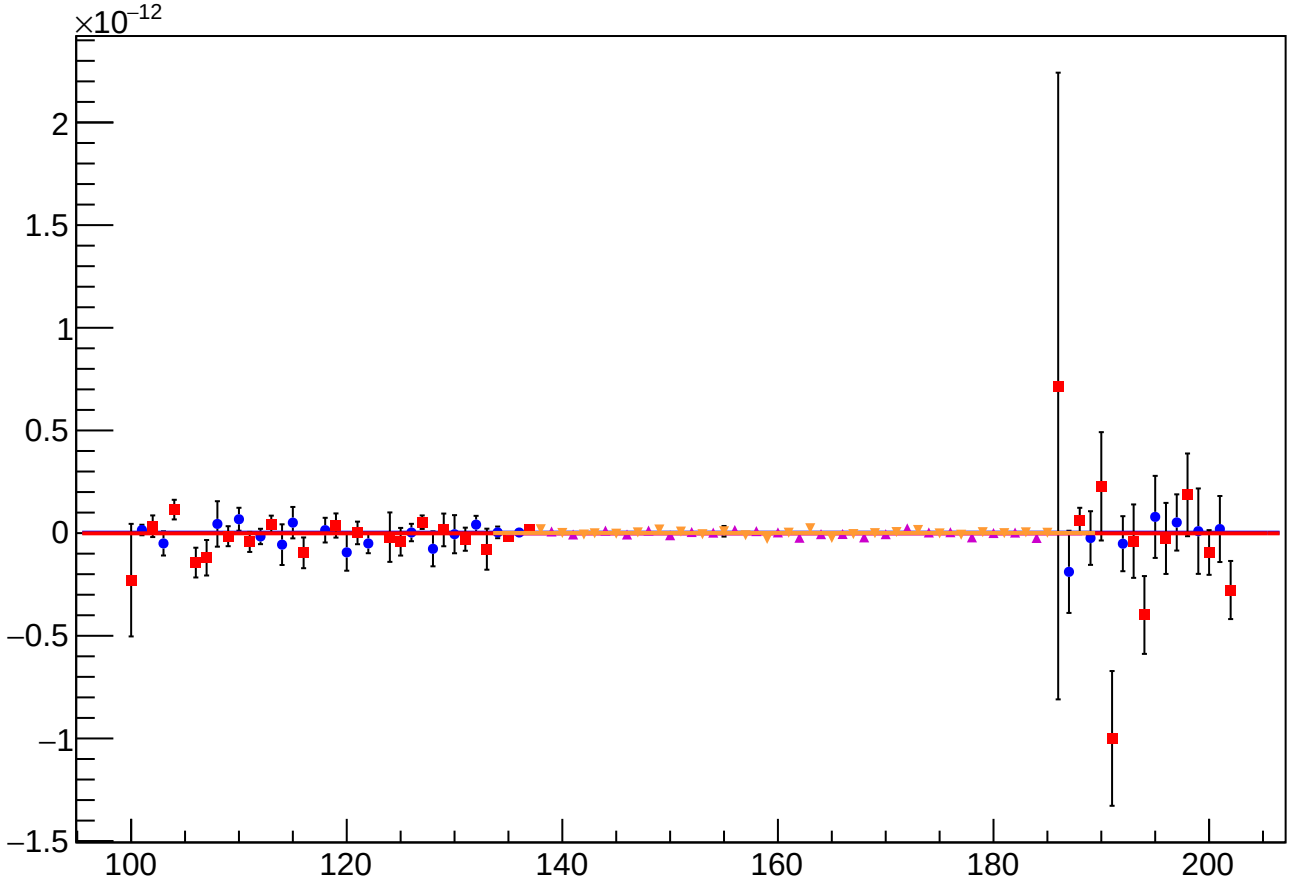
Right Out: 38.843+/-0.008 χ^2/NDF: 2268310.6/28

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.826+/-0.005 χ^2/NDF: 5076922.2/47

All: 37.449+/-0.004 χ^2/NDF: 10578074.5/99

- sign 37.093+/-0.005 χ^2/NDF: 5490672.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

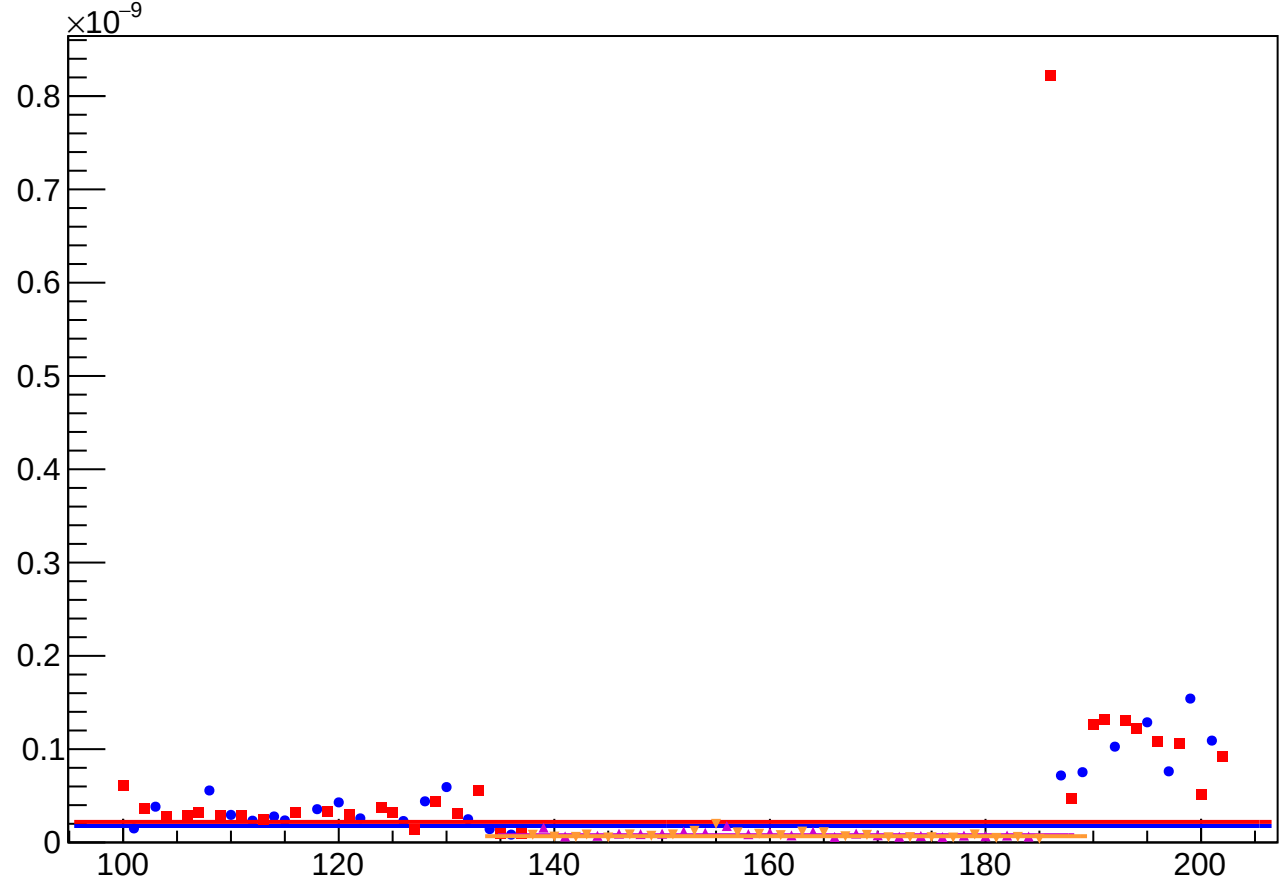
Right Out: -0.000+/-0.000 χ^2/NDF: 42.6/28

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/47

All: 0.000+/-0.000 χ^2/NDF: 102.6/99

- sign -0.000+/-0.000 χ^2/NDF: 71.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 6732874.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6760938.8/28

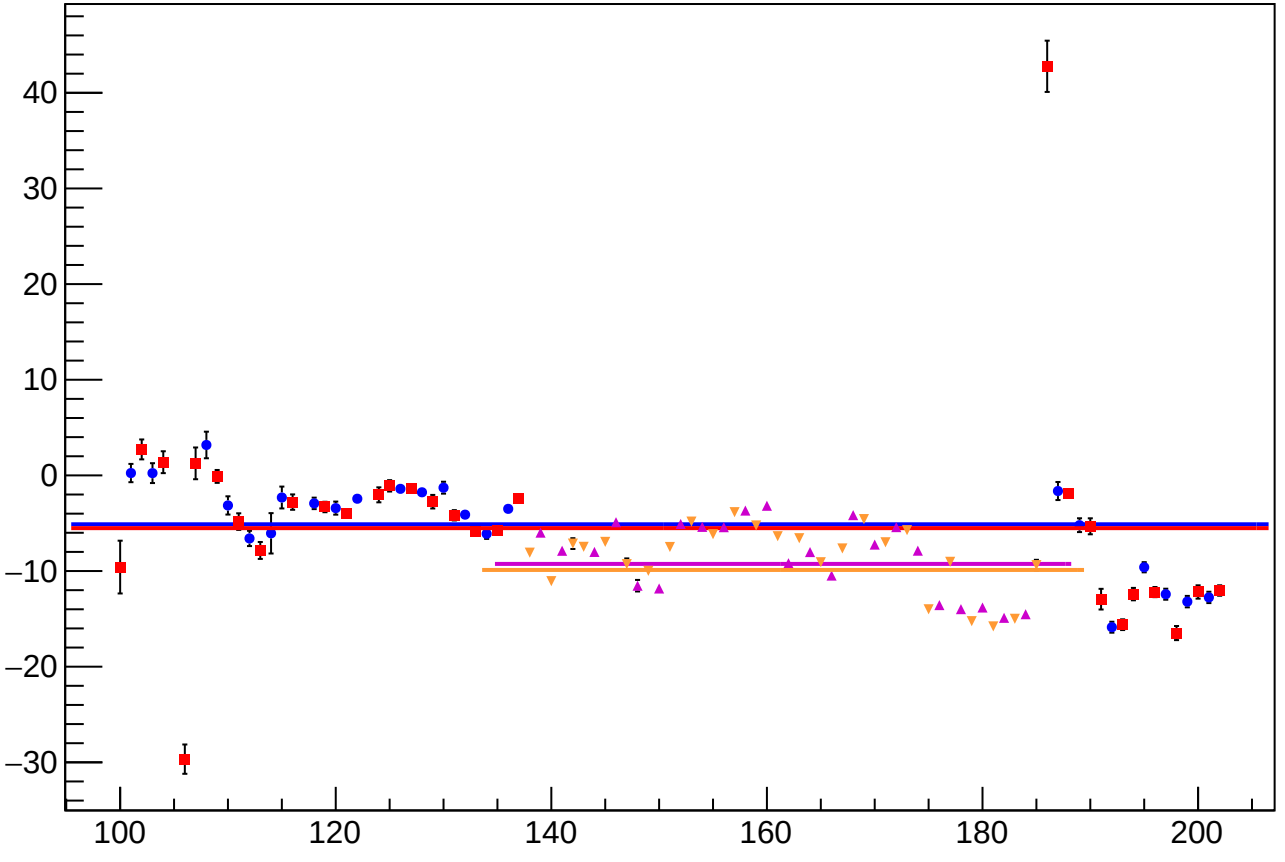
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11977139.2/47

All: 0.000+/-0.000 χ^2/NDF: 24571845.7/99

- sign 0.000+/-0.000 χ^2/NDF: 12256373.2/51

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.112+/-0.117 χ^2/NDF: 1308.5/22

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.516+/-0.112 χ^2/NDF: 2251.6/28

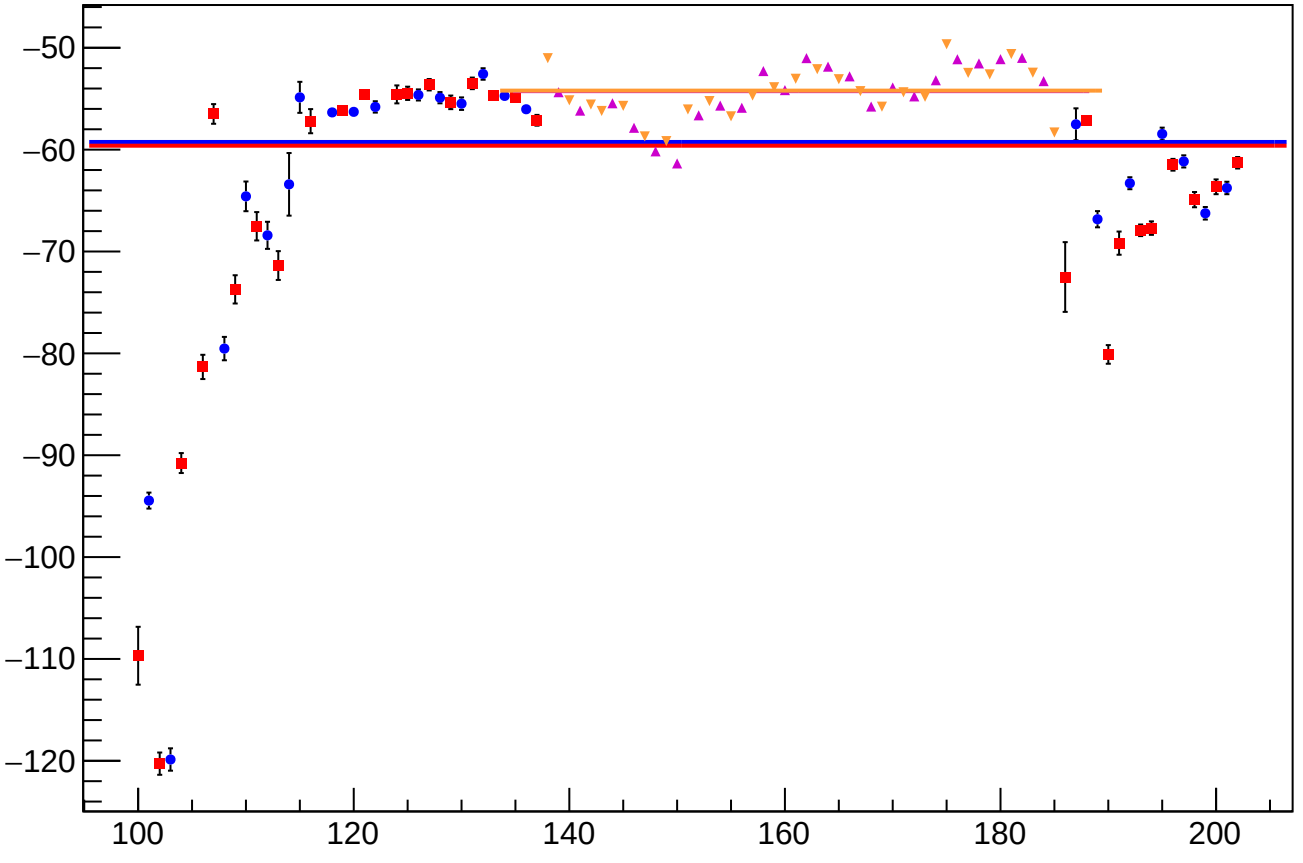
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.642+/-0.060 χ^2/NDF: 5744.4/47

All: -8.410+/-0.042 χ^2/NDF: 11881.2/99

- sign -8.174+/-0.060 χ^2/NDF: 6106.5/51

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.247+/-0.120 χ^2/NDF: 6520.7/22

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.613+/-0.116 χ^2/NDF: 7038.6/28

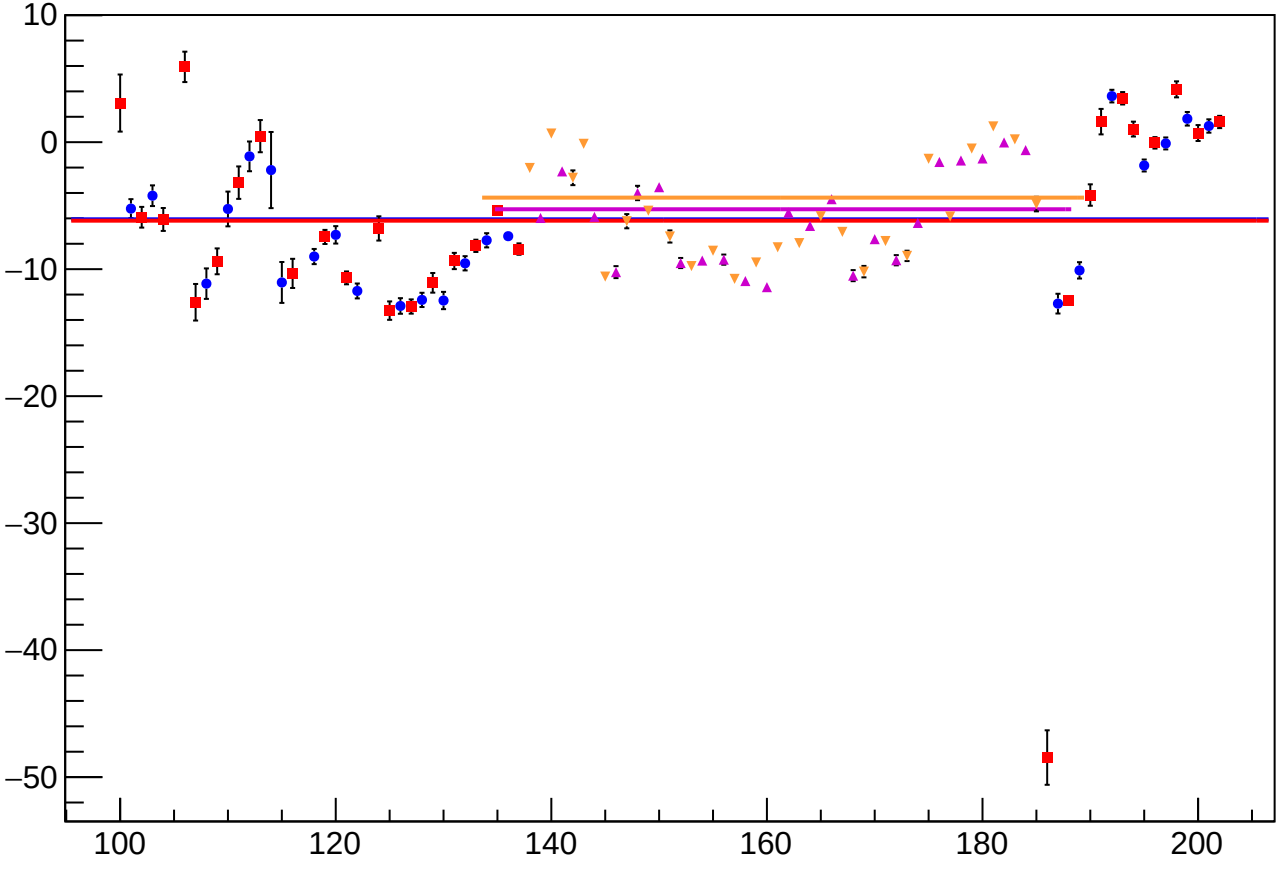
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -55.109+/-0.051 χ^2/NDF: 9838.4/47

All: -55.216+/-0.036 χ^2/NDF: 21066.9/99

- sign -55.331+/-0.052 χ^2/NDF: 11219.2/51

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -6.074+/-0.118 χ^2/NDF: 1741.0/22

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.181+/-0.111 χ^2/NDF: 3038.4/28

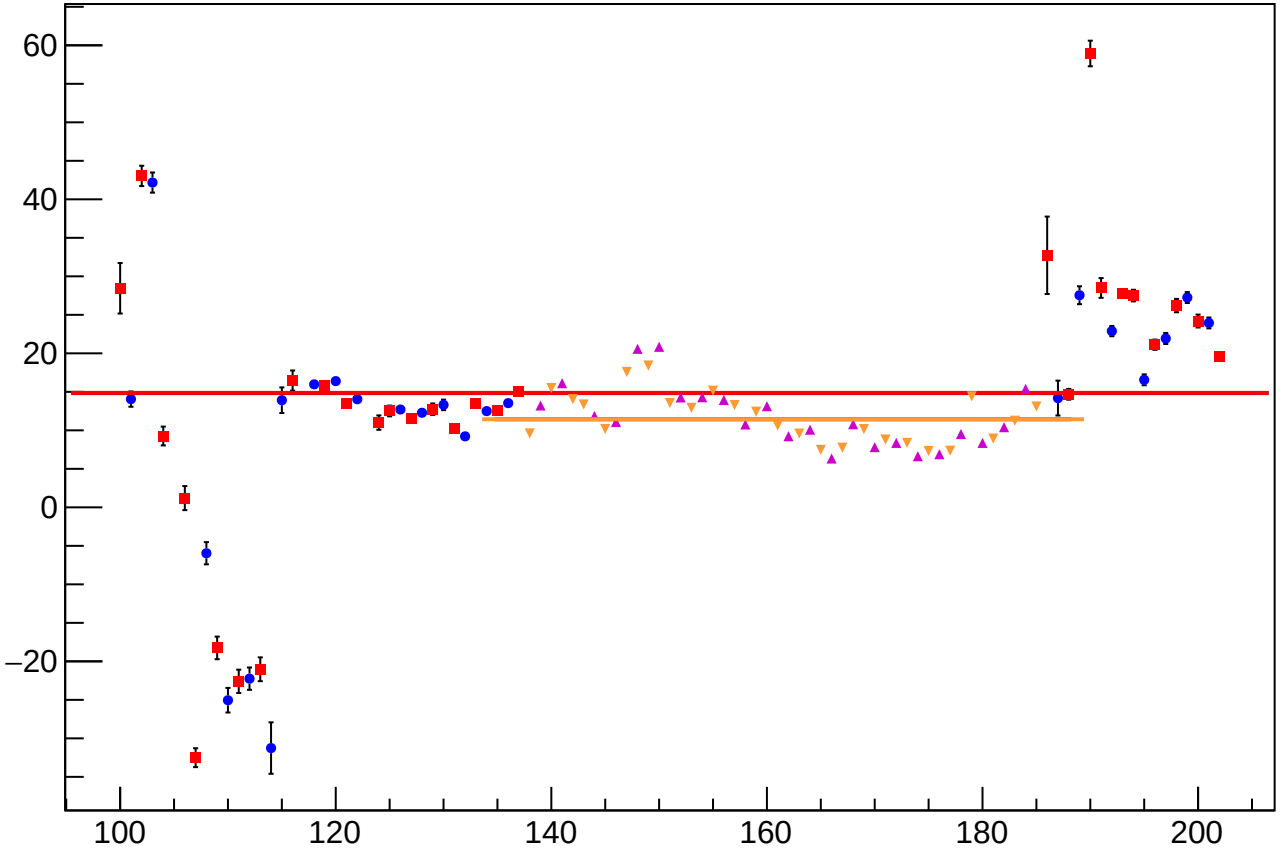
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.804+/-0.060 χ^2/NDF: 5598.4/47

All: -5.173+/-0.042 χ^2/NDF: 11510.0/99

- sign -5.544+/-0.060 χ^2/NDF: 5835.0/51

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 14.838+/-0.134 χ^2/NDF: 3146.6/22

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.862+/-0.133 χ^2/NDF: 5860.9/28

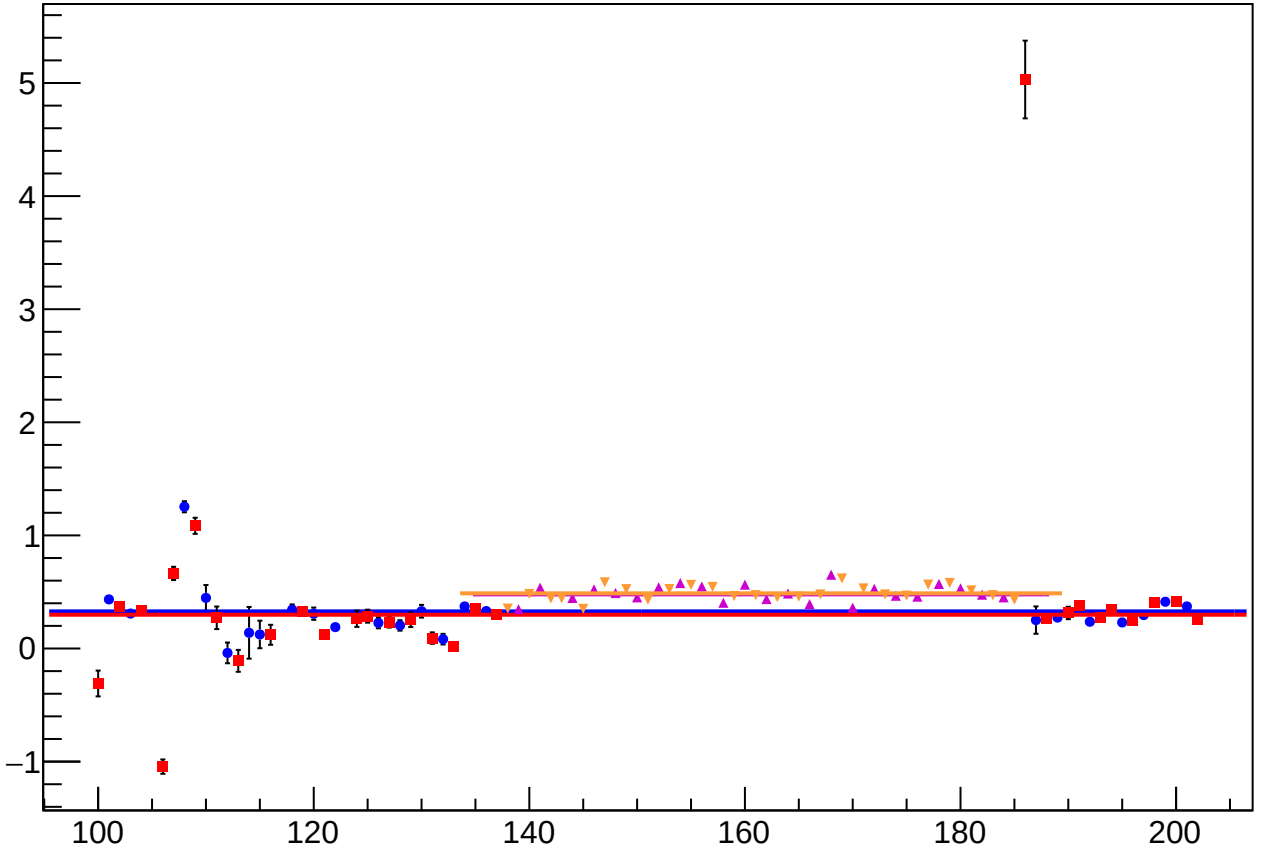
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 12.035+/-0.056 χ^2/NDF: 6110.3/47

All: 12.059+/-0.040 χ^2/NDF: 15864.1/99

\- sign 12.084+/-0.058 χ^2/NDF: 9753.5/51

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.328+/-0.006 χ^2/NDF: 504.5/22

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.299+/-0.006 χ^2/NDF: 1038.0/28

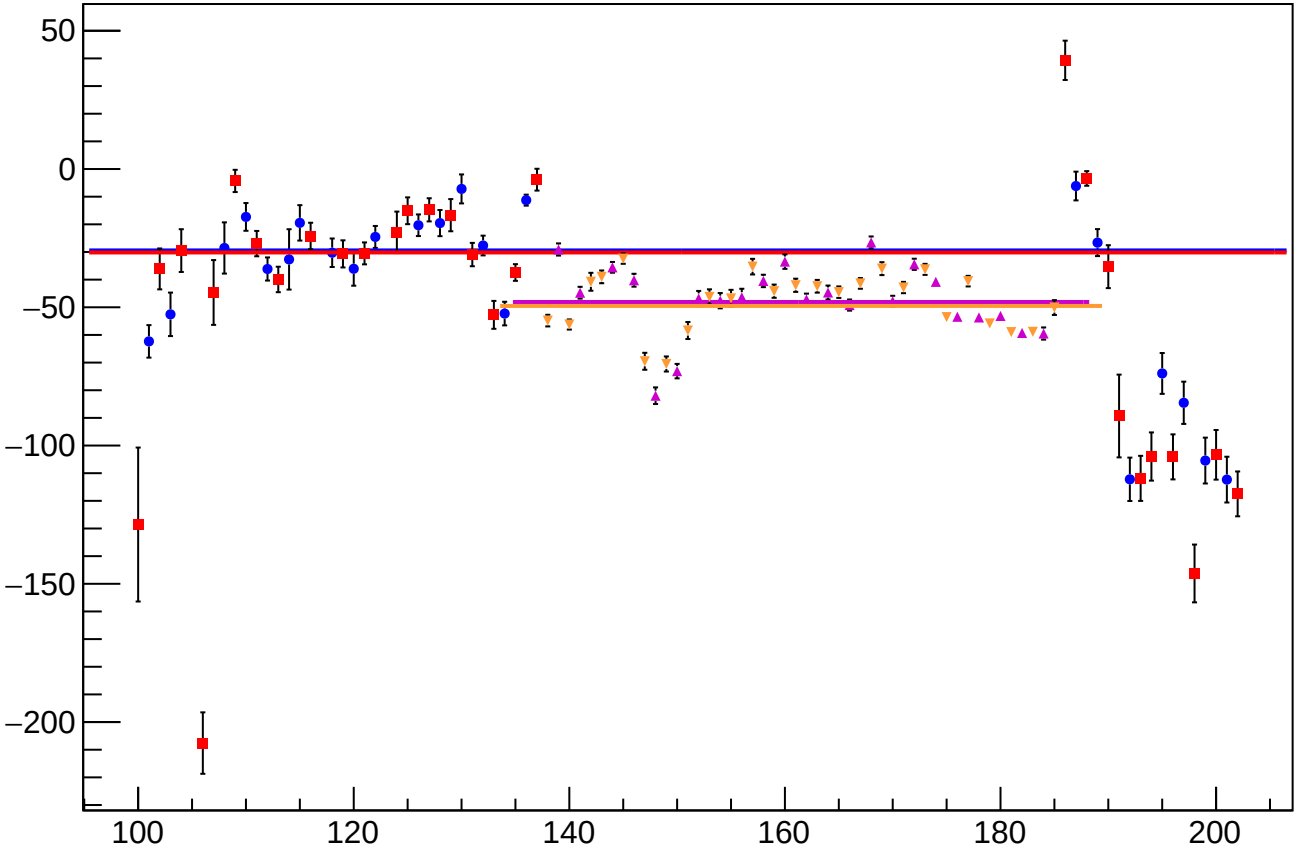
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.460+/-0.002 χ^2/NDF: 1636.7/47

All: 0.453+/-0.002 χ^2/NDF: 4260.5/99

- sign 0.446+/-0.002 χ^2/NDF: 2607.3/51

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -29.442+/-0.996 χ^2/NDF: 598.4/22

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -30.175+/-0.982 χ^2/NDF: 1191.9/28

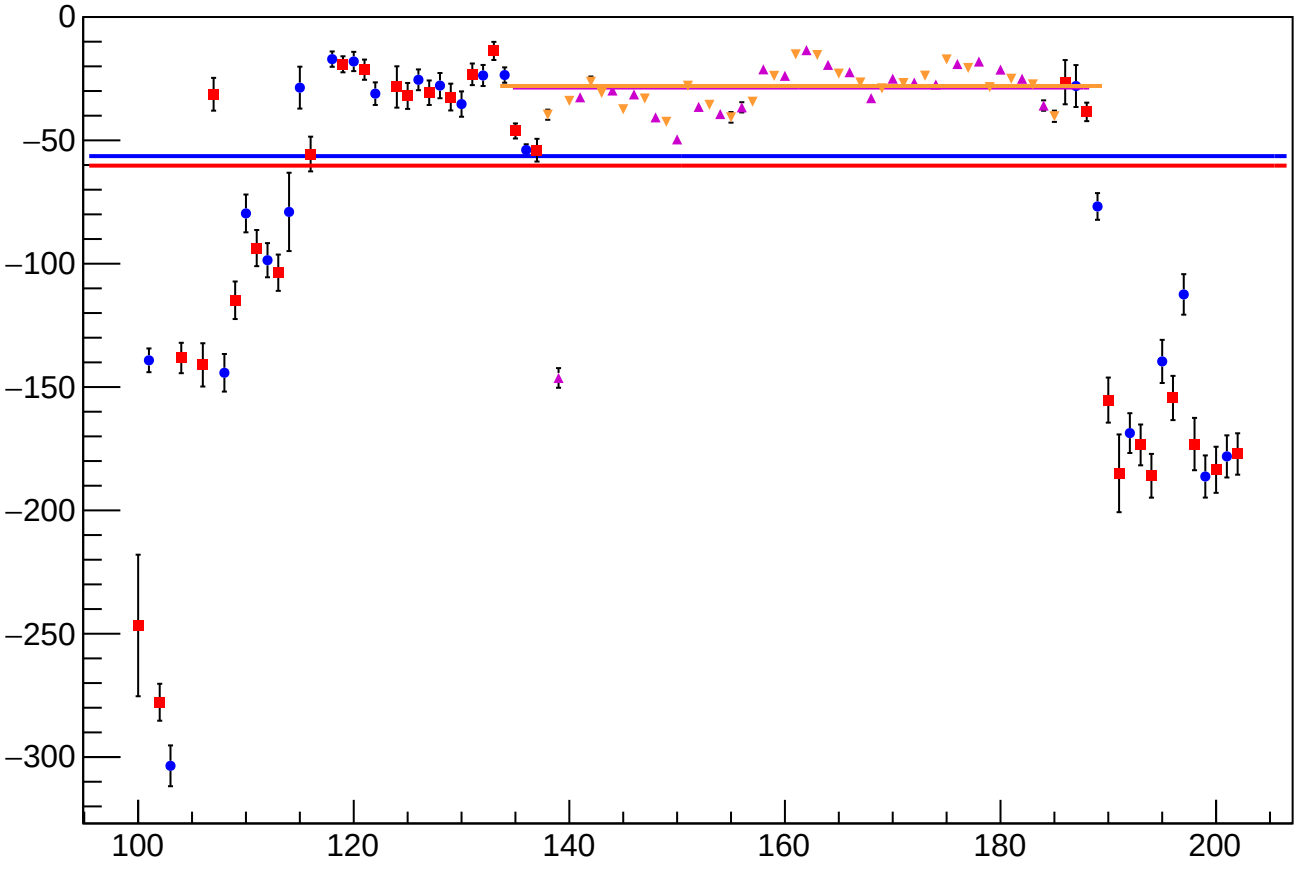
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.702+/-0.373 χ^2/NDF: 1523.6/47

All: -46.038+/-0.268 χ^2/NDF: 3710.0/99

- sign -45.332+/-0.385 χ^2/NDF: 2179.8/51

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -56.388+/-1.029 χ^2/NDF: 2730.5/22

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -60.247+/-1.060 χ^2/NDF: 3066.6/28

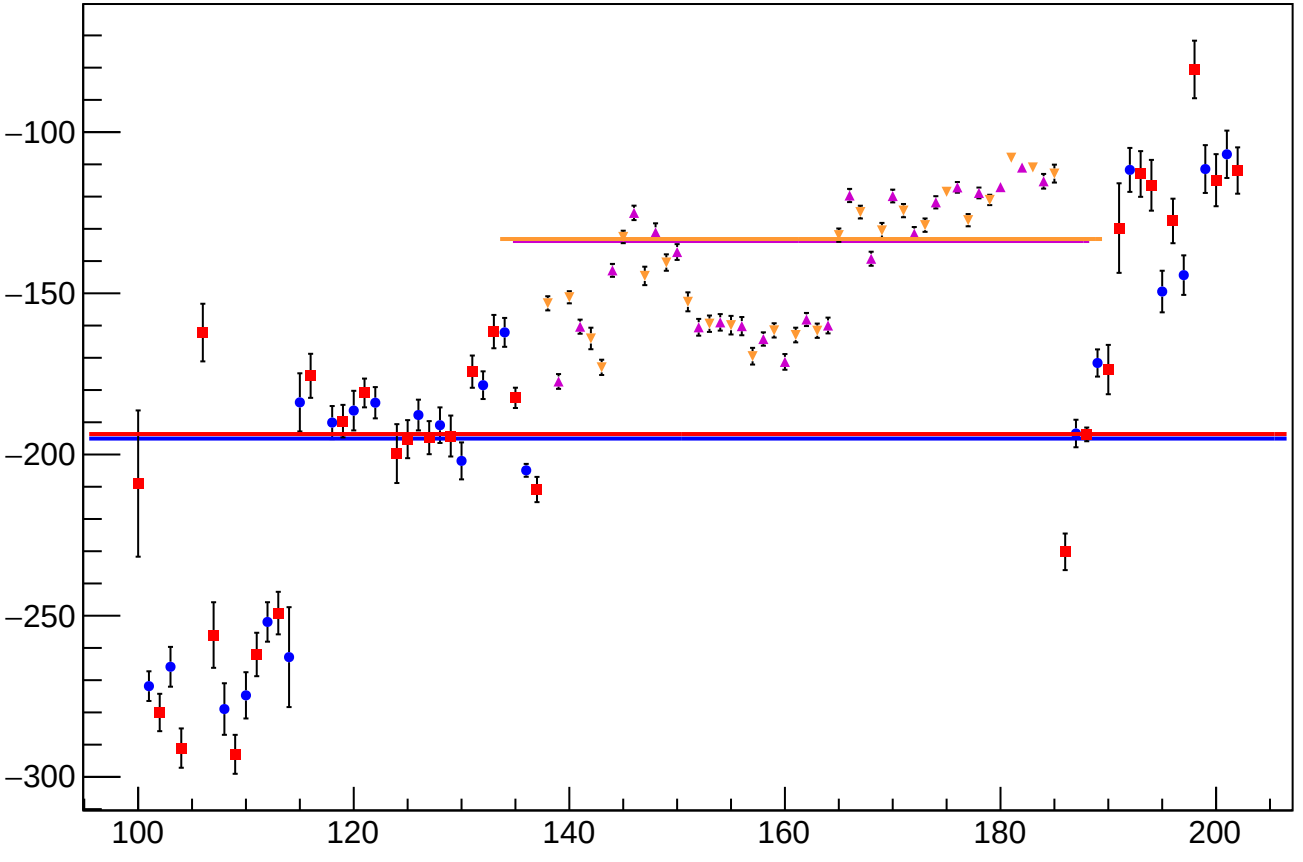
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -30.478+/-0.307 χ^2/NDF: 3923.4/47

All: -30.943+/-0.221 χ^2/NDF: 9286.2/99

- sign -31.443+/-0.318 χ^2/NDF: 5358.0/51

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -195.056+/-1.031 χ^2/NDF: 1425.7/22

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -193.648+/-1.006 χ^2/NDF: 1844.3/28

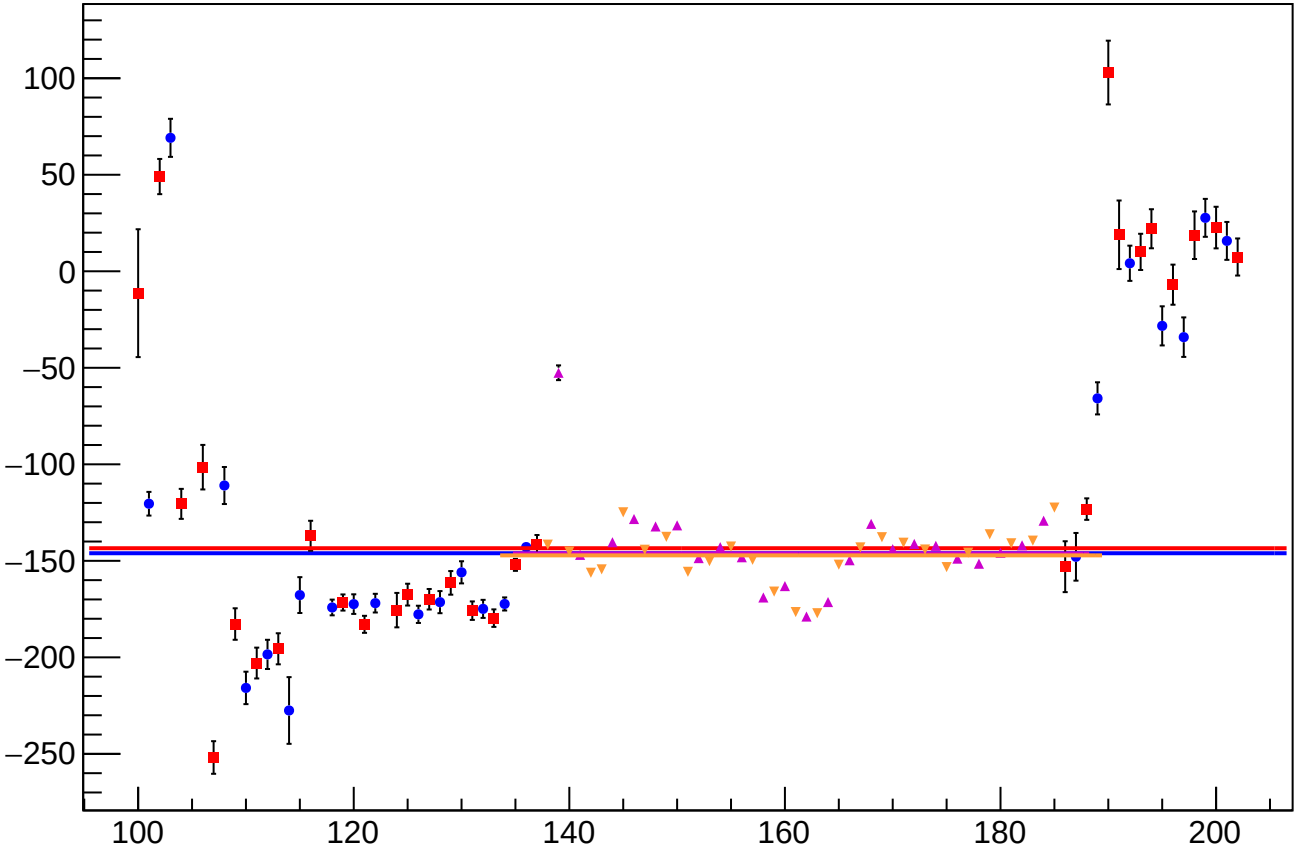
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.352+/-0.375 χ^2/NDF: 7081.8/47

All: -141.940+/-0.269 χ^2/NDF: 14396.2/99

- sign -142.560+/-0.385 χ^2/NDF: 7309.4/51

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -146.064+/-1.163 χ^2/NDF: 2131.2/22

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -143.472+/-1.220 χ^2/NDF: 2762.1/28

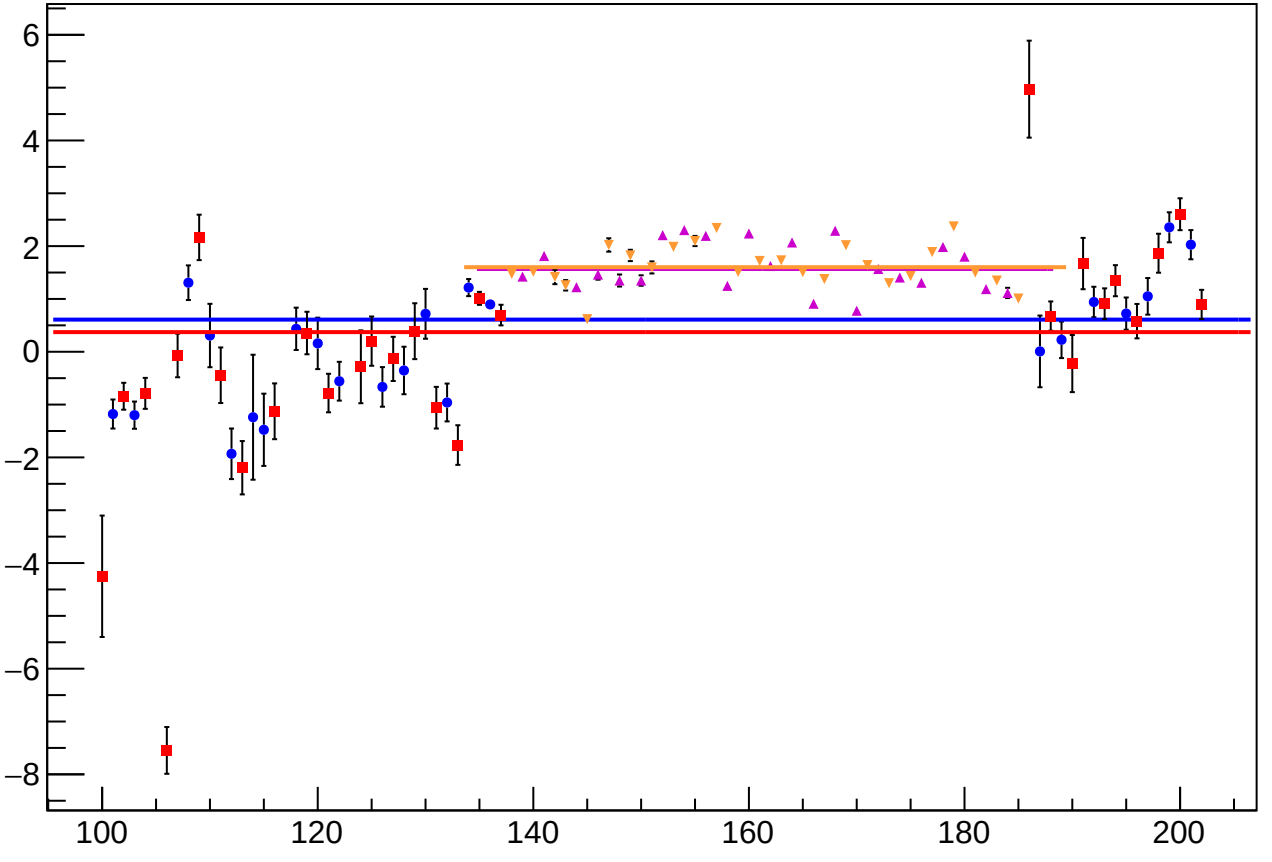
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.071+/-0.342 χ^2/NDF: 3377.7/47

All: -146.528+/-0.246 χ^2/NDF: 7943.3/99

- sign -145.945+/-0.355 χ^2/NDF: 4560.3/51

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.609+/-0.057 χ^2/NDF: 275.2/22

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.372+/-0.060 χ^2/NDF: 641.4/28

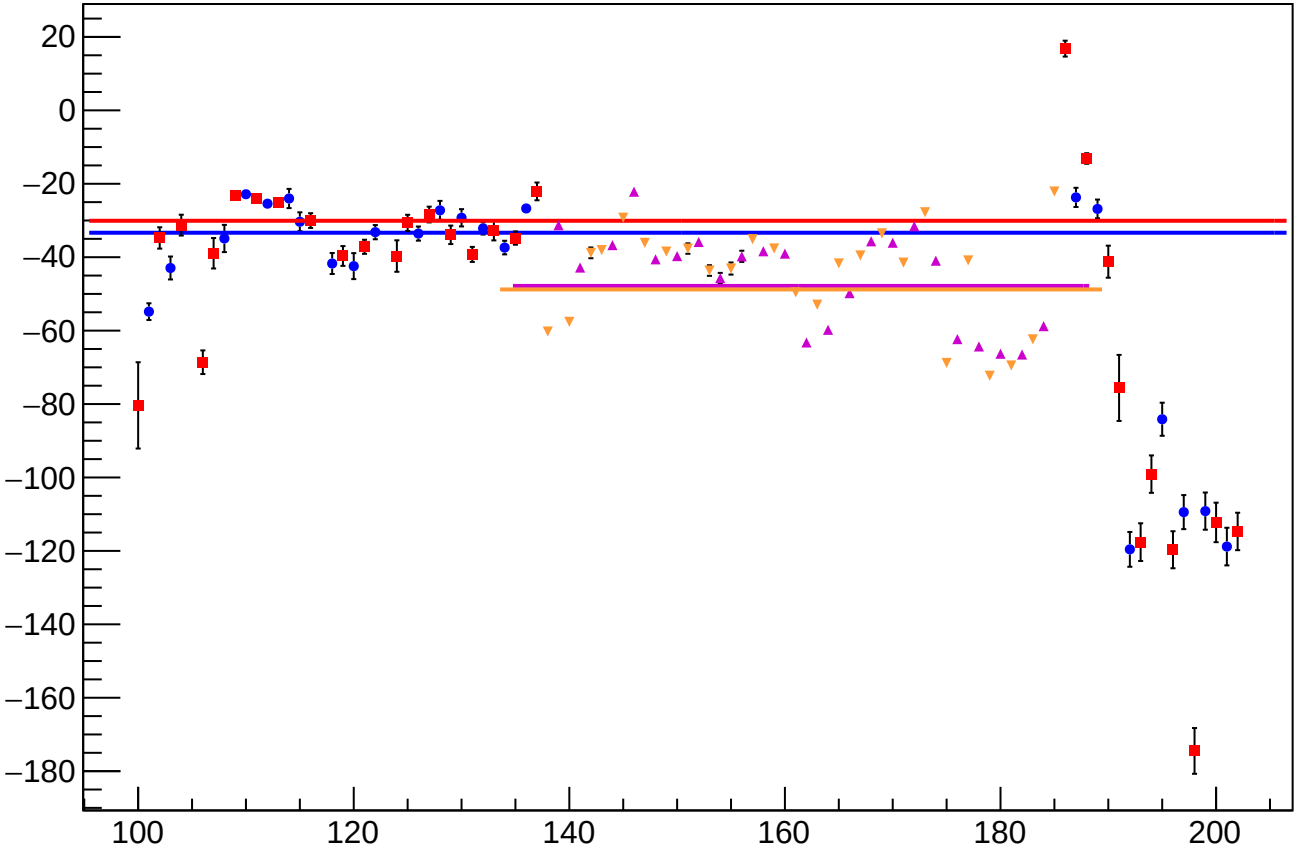
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.529+/-0.015 χ^2/NDF: 1135.7/47

All: 1.507+/-0.011 χ^2/NDF: 2885.2/99

- sign 1.484+/-0.016 χ^2/NDF: 1745.4/51

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -33.335+/-0.443 χ^2/NDF: 1543.9/22

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -30.077+/-0.412 χ^2/NDF: 2804.4/28

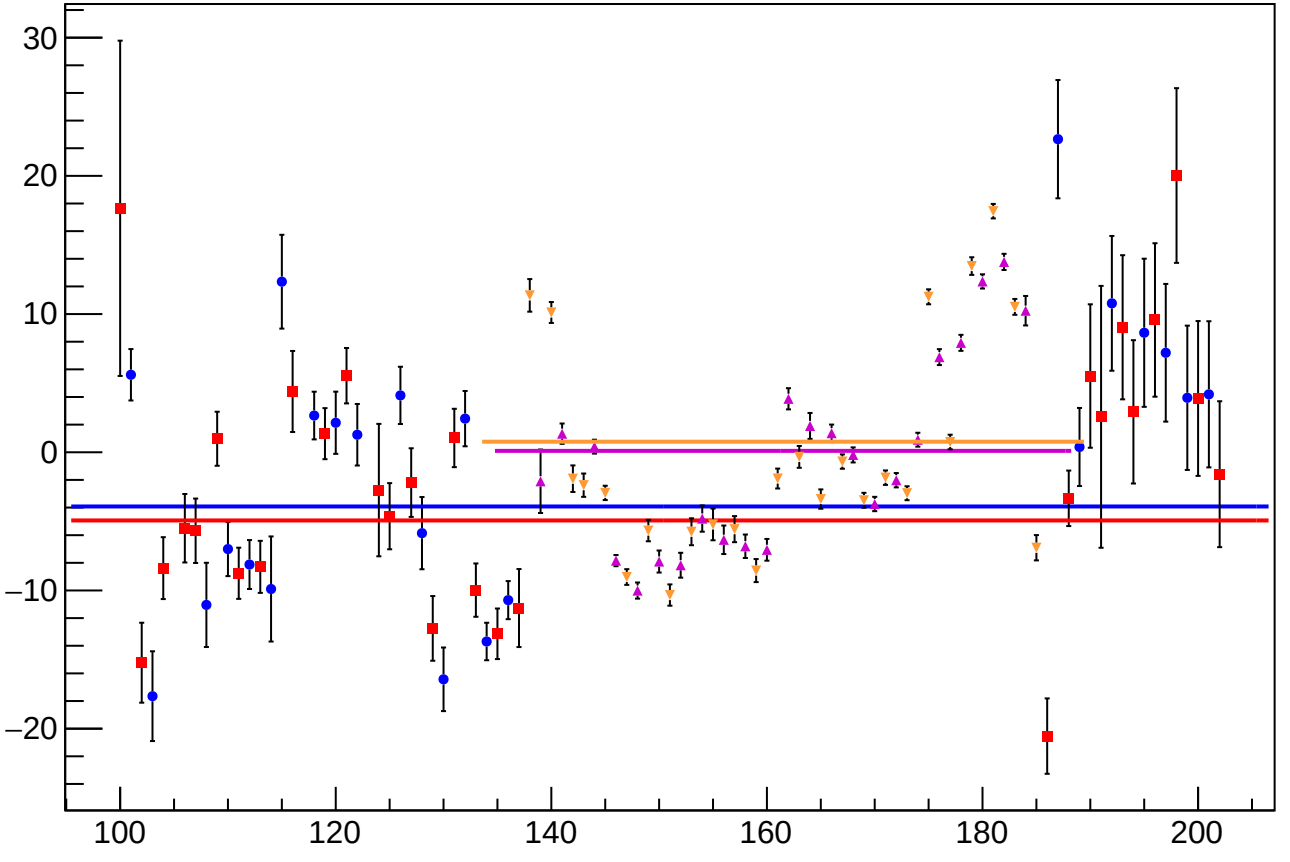
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.869+/-0.156 χ^2/NDF: 11561.1/47

All: -46.058+/-0.111 χ^2/NDF: 23230.9/99

- sign -45.237+/-0.157 χ^2/NDF: 11615.5/51

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.922+/-0.487 χ^2/NDF: 306.7/22

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.934+/-0.484 χ^2/NDF: 209.6/28

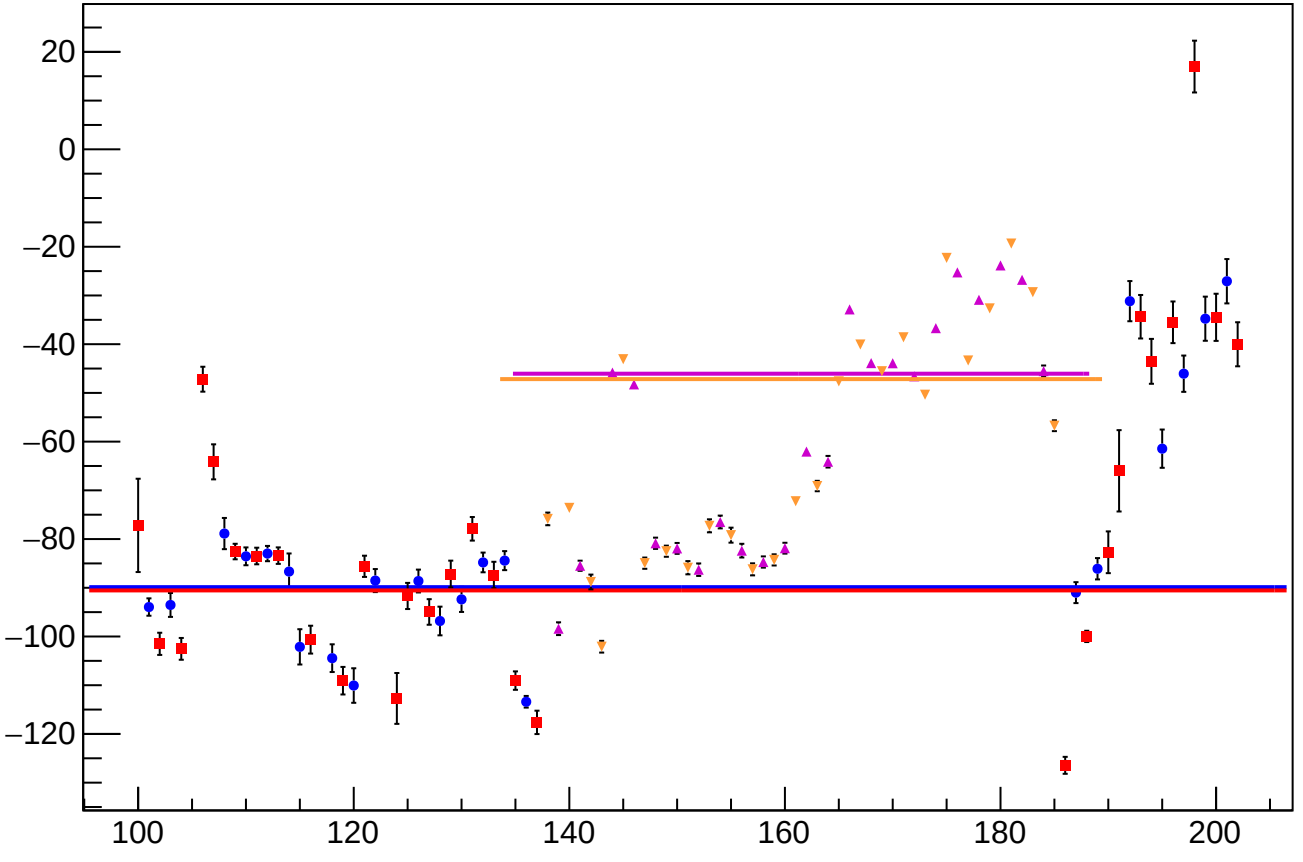
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.443+/-0.128 χ^2/NDF: 3860.3/47

All: 0.097+/-0.090 χ^2/NDF: 6907.3/99

- sign -0.252+/-0.128 χ^2/NDF: 3032.2/51

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -89.871+/-0.489 χ^2/NDF: 1264.4/22

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.541+/-0.456 χ^2/NDF: 2390.3/28

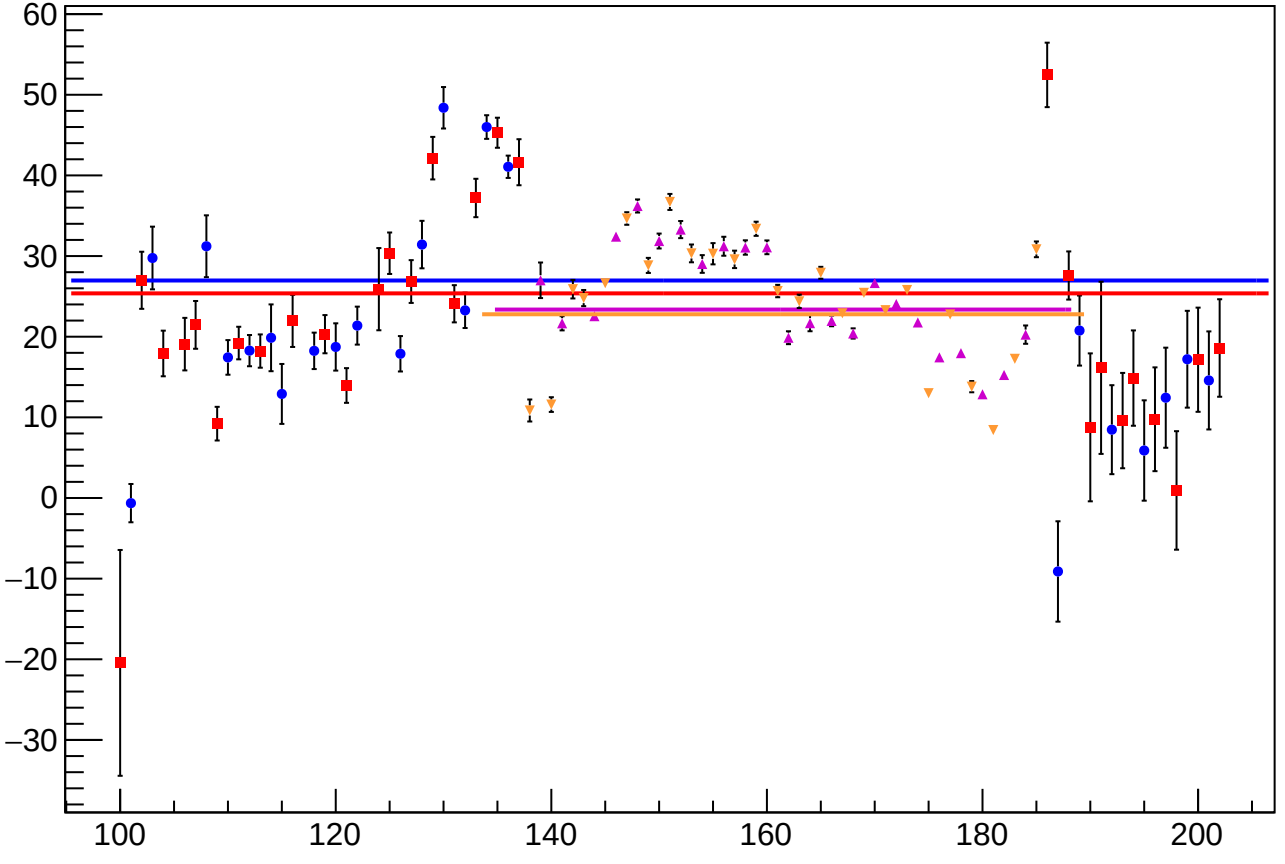
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.657+/-0.158 χ^2/NDF: 25752.9/47

All: -51.579+/-0.112 χ^2/NDF: 51276.1/99

- sign -51.501+/-0.159 χ^2/NDF: 25522.7/51

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.969+/-0.550 χ^2/NDF: 657.5/22

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.373+/-0.558 χ^2/NDF: 435.3/28

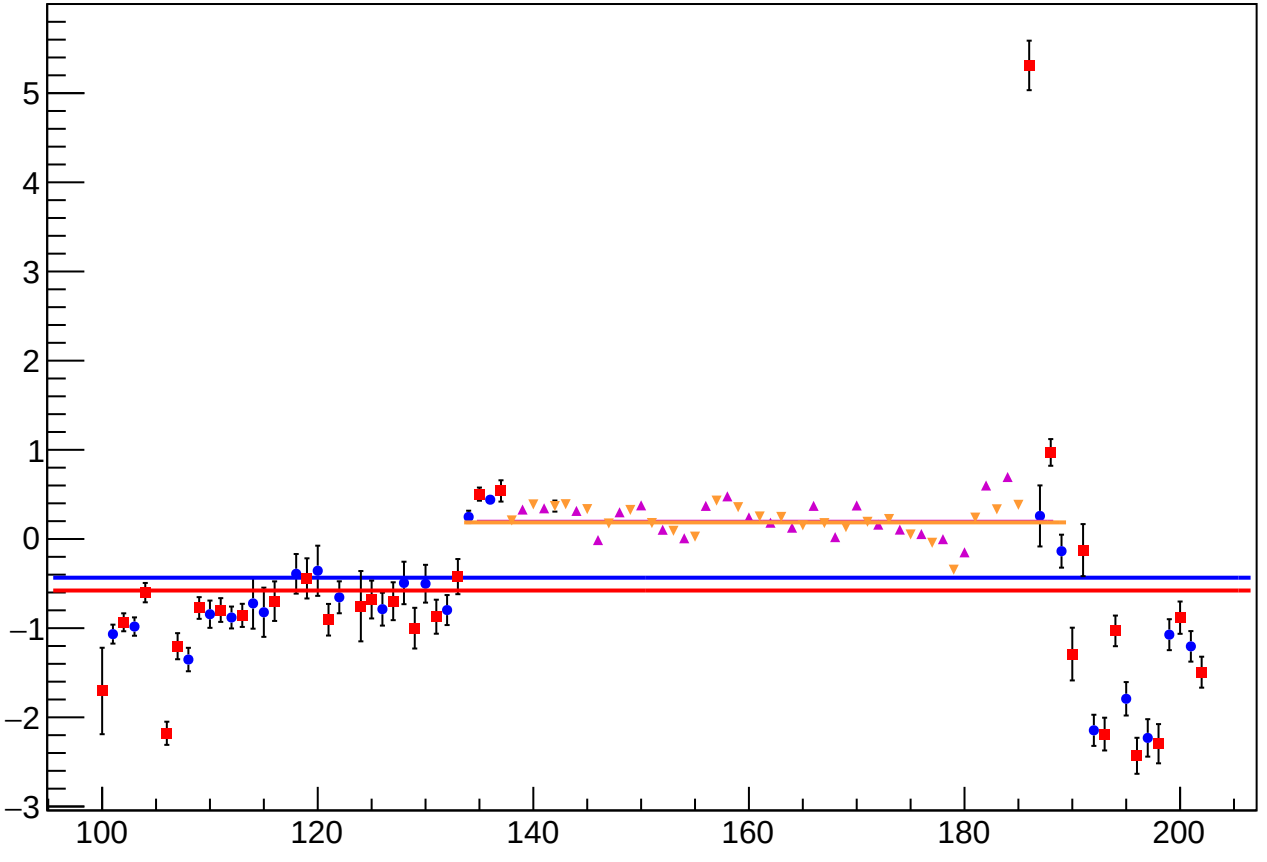
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.062+/-0.142 χ^2/NDF: 3124.6/47

All: 23.278+/-0.101 χ^2/NDF: 5362.0/99

- sign 23.499+/-0.144 χ^2/NDF: 2232.7/51

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.434+/-0.028 χ^2/NDF: 744.4/22

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.578+/-0.029 χ^2/NDF: 1337.0/28

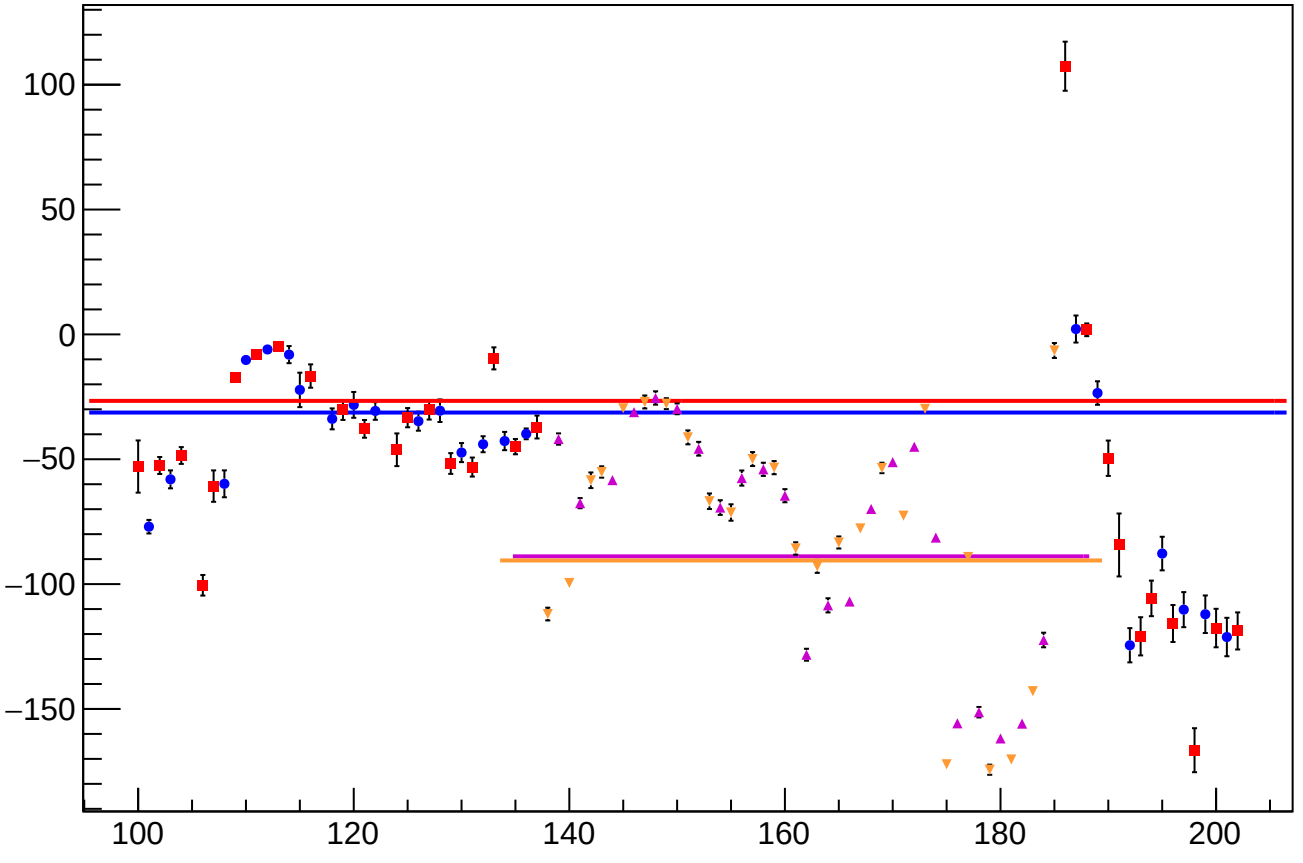
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.154+/-0.006 χ^2/NDF: 1847.8/47

All: 0.155+/-0.005 χ^2/NDF: 4789.4/99

- sign 0.155+/-0.007 χ^2/NDF: 2941.5/51

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -31.296+/-0.696 χ^2/NDF: 1590.2/22

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -26.622+/-0.624 χ^2/NDF: 2307.6/28

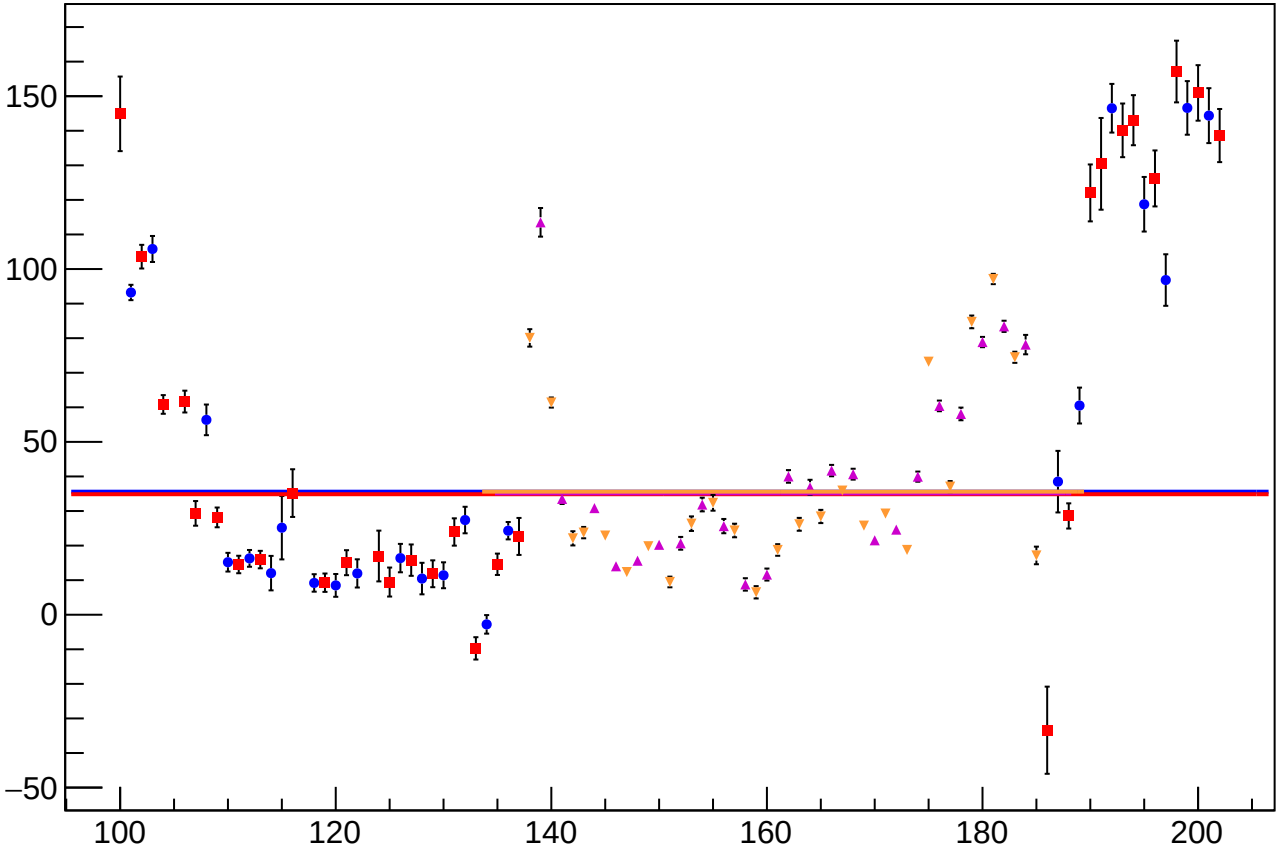
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.638+/-0.360 χ^2/NDF: 22254.4/47

All: -71.563+/-0.253 χ^2/NDF: 43229.0/99

- sign -68.552+/-0.357 χ^2/NDF: 20830.4/51

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 35.591+/-0.774 χ^2/NDF: 2563.0/22

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 34.862+/-0.751 χ^2/NDF: 2574.3/28

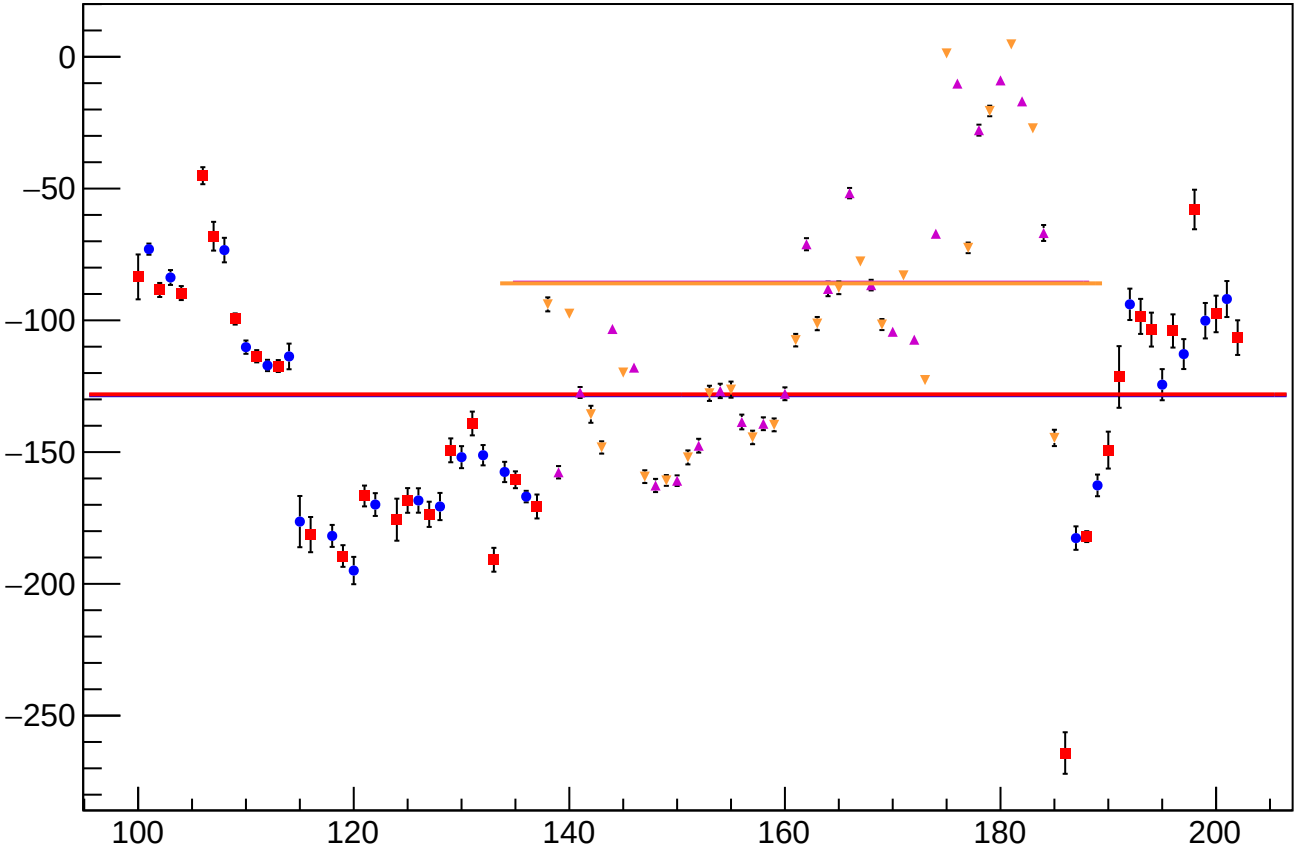
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.609+/-0.300 χ^2/NDF: 8536.0/47

All: 35.345+/-0.215 χ^2/NDF: 15256.4/99

- sign 35.070+/-0.307 χ^2/NDF: 6718.8/51

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -128.414+/-0.768 χ^2/NDF: 2485.6/22

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.096+/-0.710 χ^2/NDF: 3633.5/28

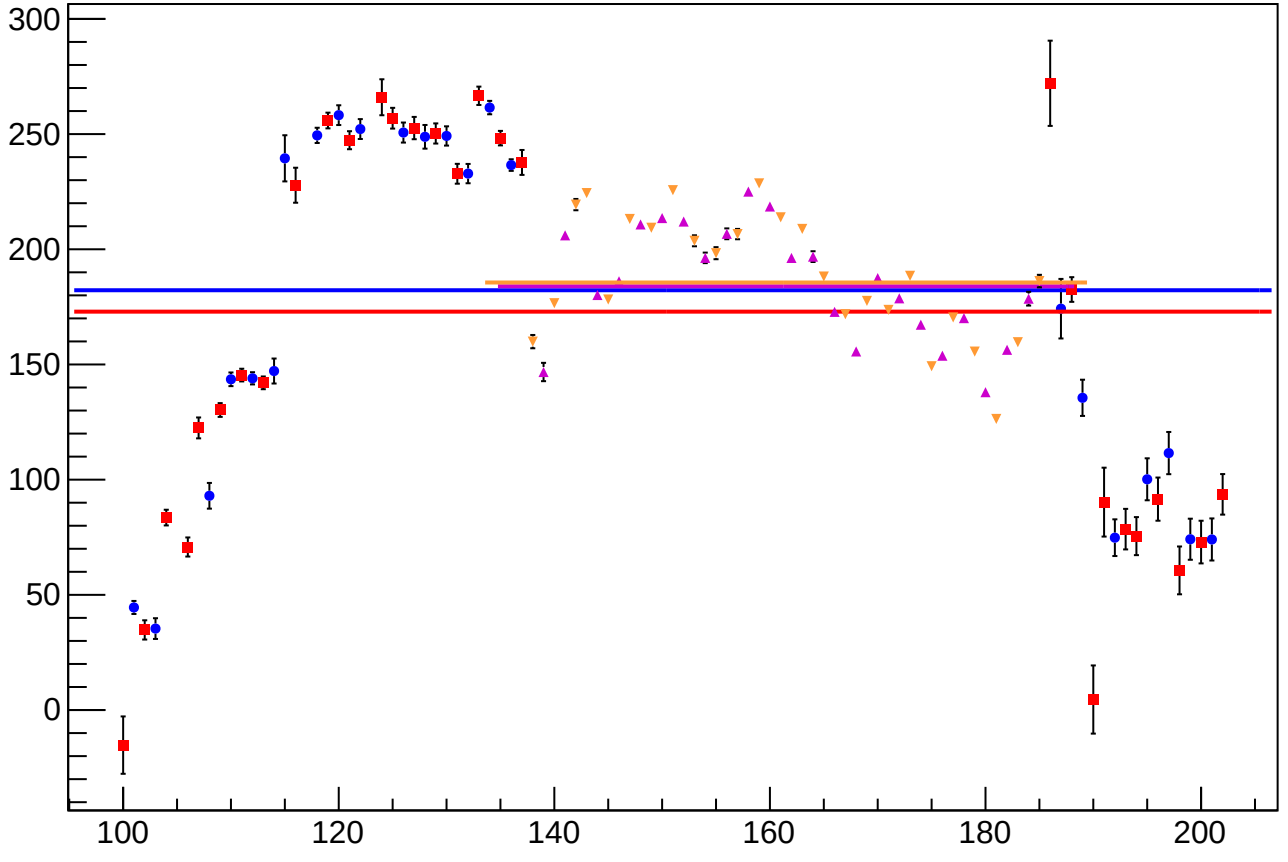
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

\+ sign -95.767+/-0.369 χ^2/NDF: 21066.5/47

All: -96.472+/-0.261 χ^2/NDF: 41066.3/99

\- sign -97.178+/-0.369 χ^2/NDF: 19992.5/51

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 182.220+/-0.886 χ^2/NDF: 7805.2/22

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 172.932+/-0.866 χ^2/NDF: 7549.9/28

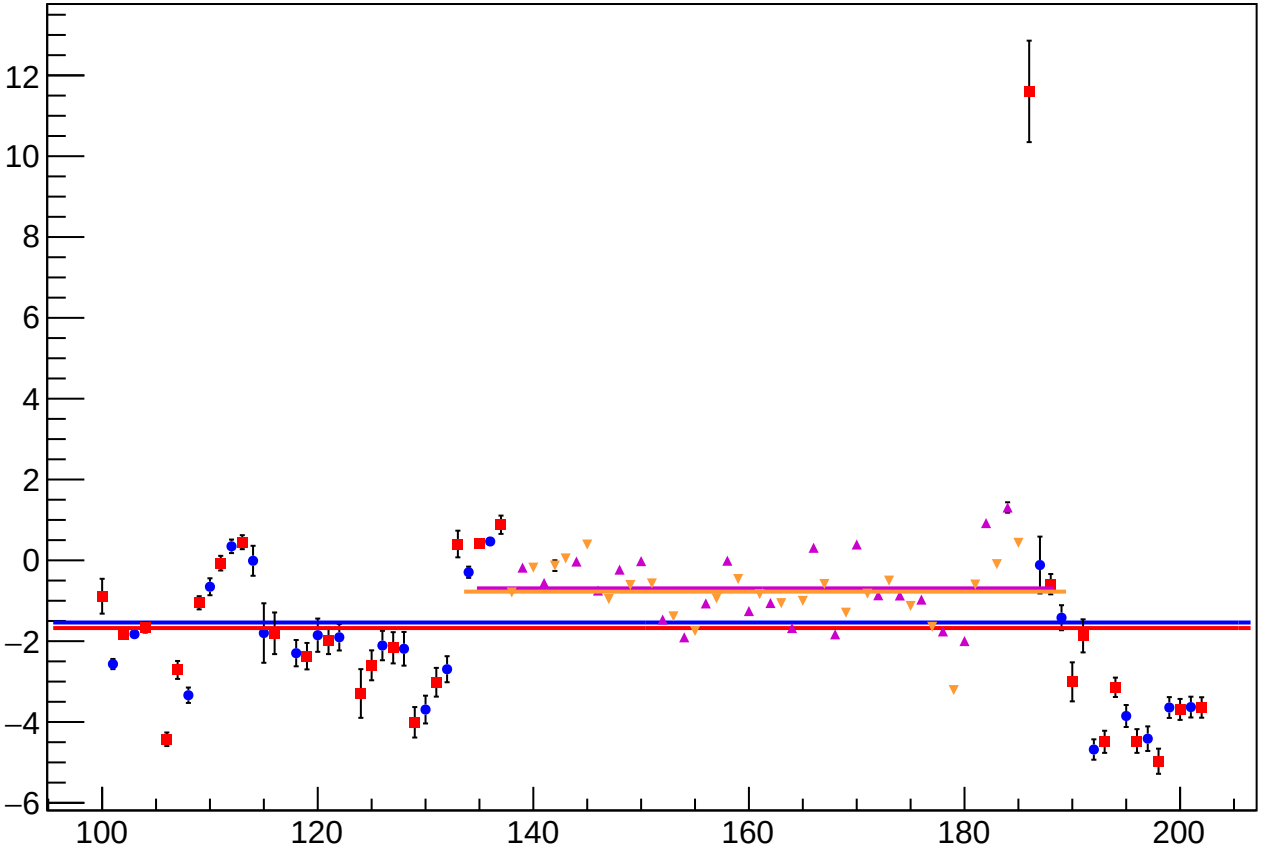
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.092+/-0.339 χ^2/NDF: 13172.2/47

All: 183.668+/-0.242 χ^2/NDF: 24767.3/99

- sign 182.182+/-0.346 χ^2/NDF: 11559.0/51

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.538+/-0.044 χ^2/NDF: 1308.9/22

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.676+/-0.042 χ^2/NDF: 1669.1/28

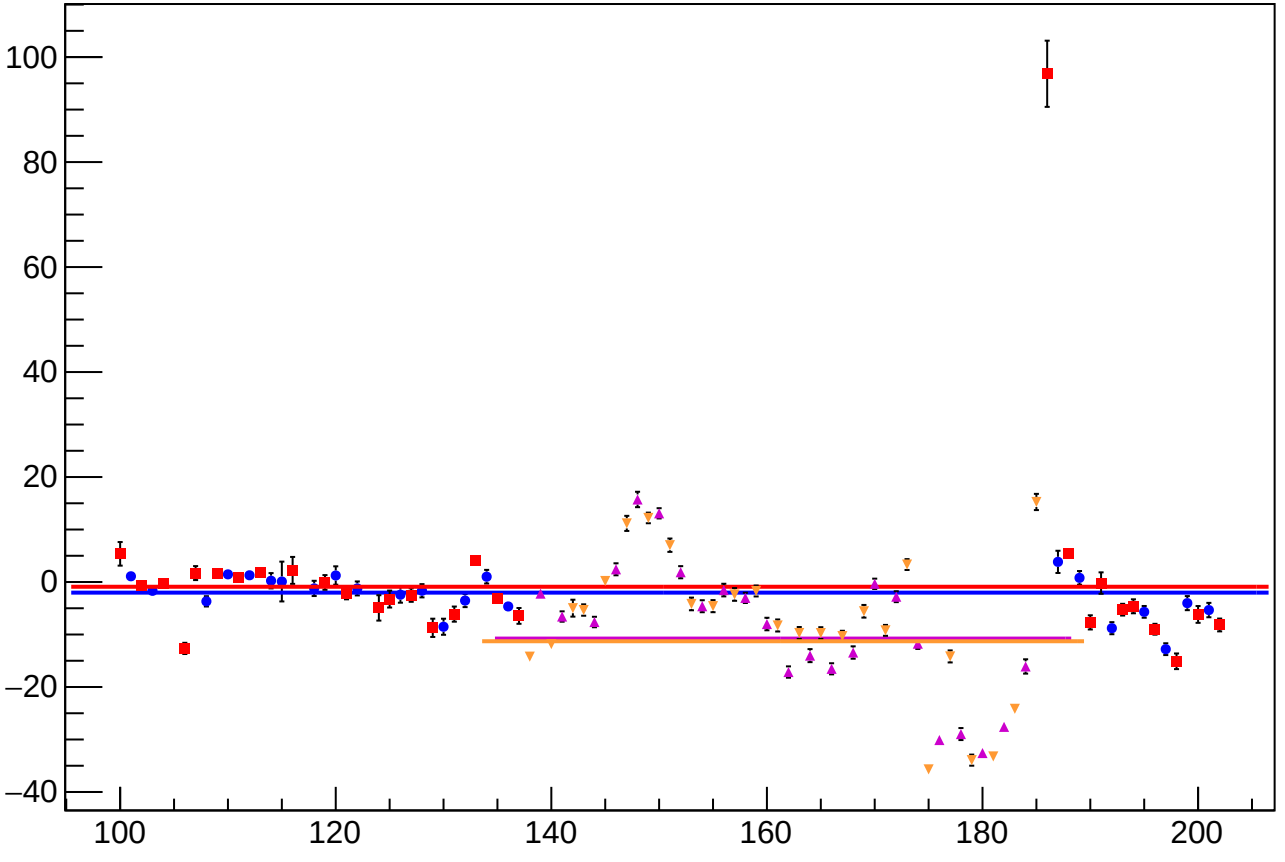
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.868+/-0.015 χ^2/NDF: 3396.5/47

All: -0.847+/-0.011 χ^2/NDF: 8096.6/99

- sign -0.826+/-0.016 χ^2/NDF: 4696.5/51

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -2.022+/-0.224 χ^2/NDF: 278.5/22

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.903+/-0.192 χ^2/NDF: 881.4/28

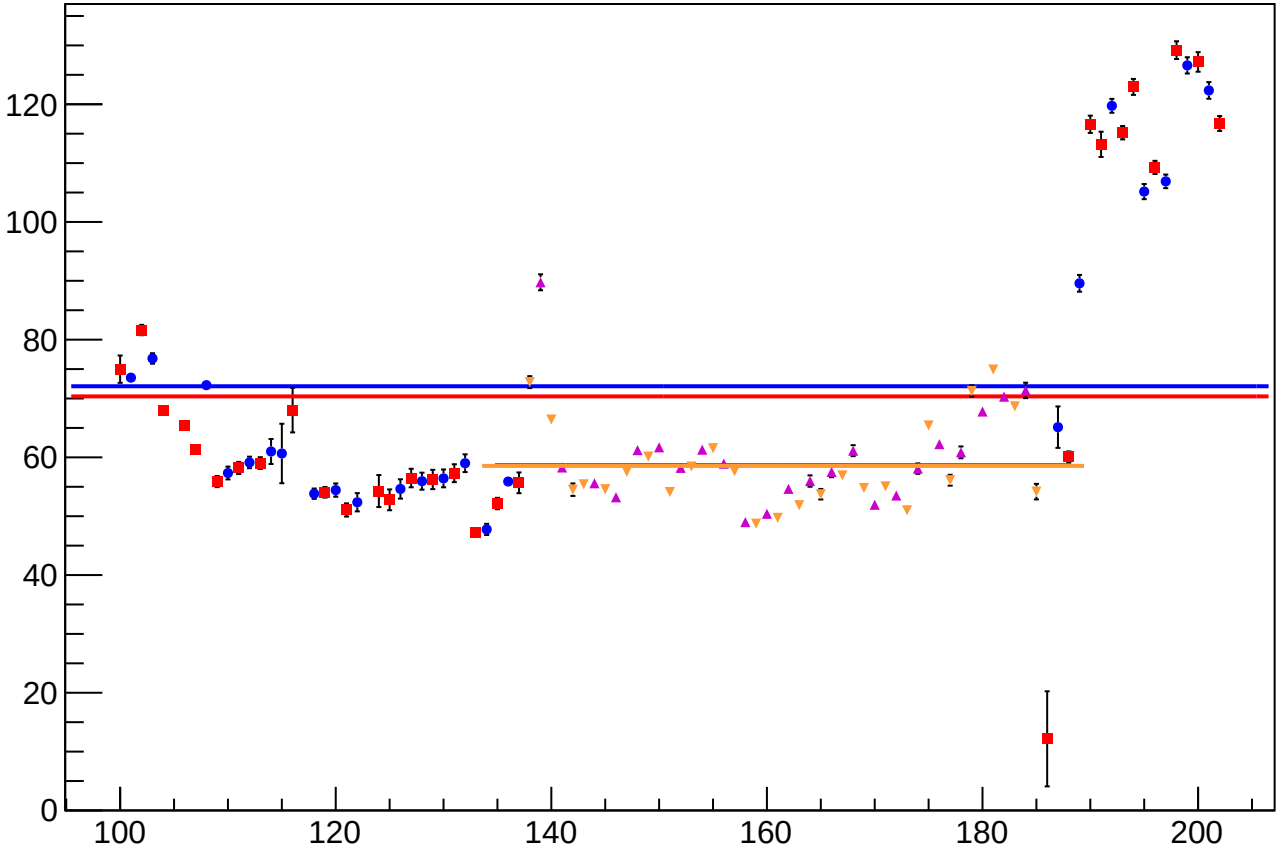
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

\+ sign -7.005+/-0.153 χ^2/NDF: 5694.8/47

All: -6.101+/-0.104 χ^2/NDF: 11526.3/99

\- sign -5.311+/-0.143 χ^2/NDF: 5765.7/51

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 72.083+/-0.237 χ^2/NDF: 8885.9/22

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 70.359+/-0.212 χ^2/NDF: 13371.9/28

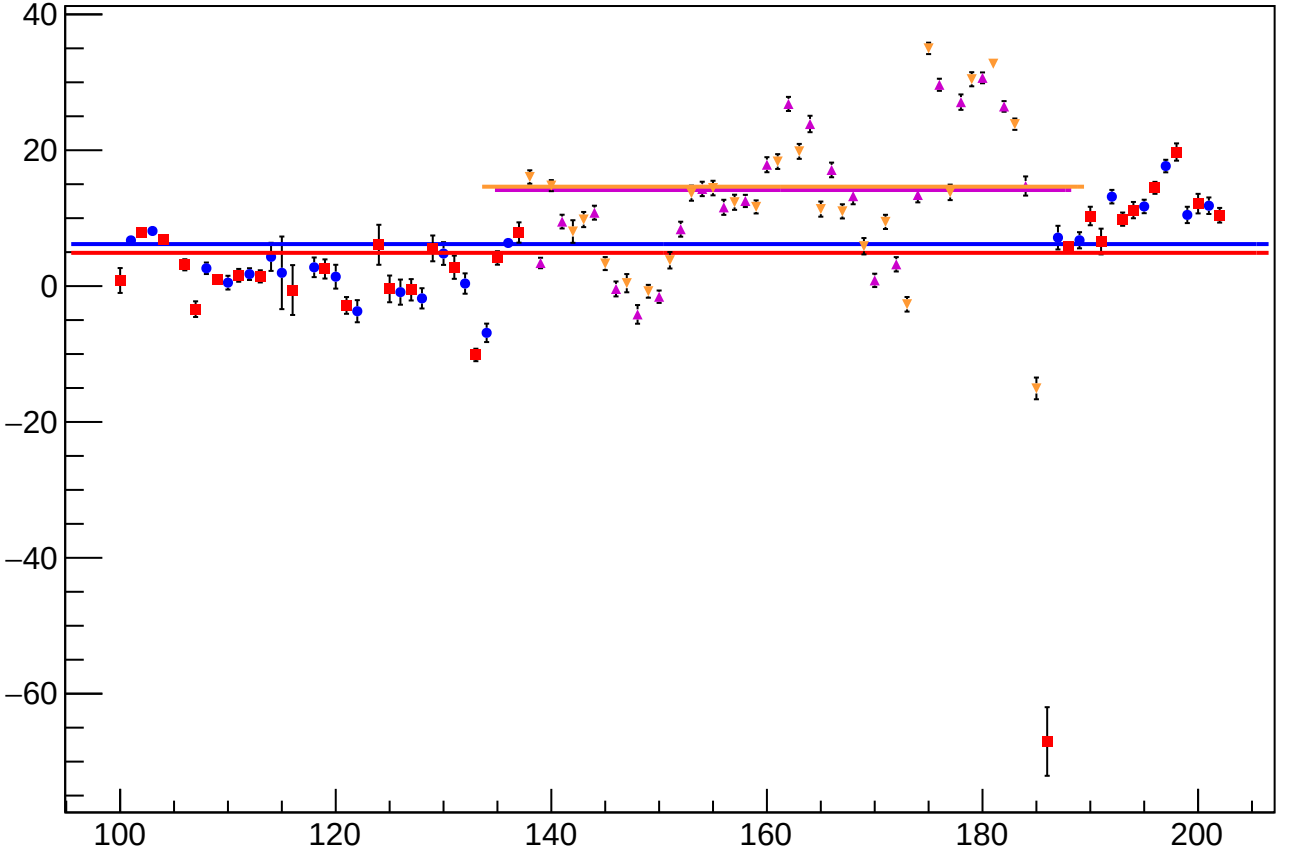
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 62.839+/-0.133 χ^2/NDF: 13022.9/47

All: 63.017+/-0.094 χ^2/NDF: 29871.5/99

- sign 63.192+/-0.132 χ^2/NDF: 16845.0/51

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.185+/-0.225 χ^2/NDF: 556.2/22

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 4.895+/-0.195 χ^2/NDF: 1068.1/28

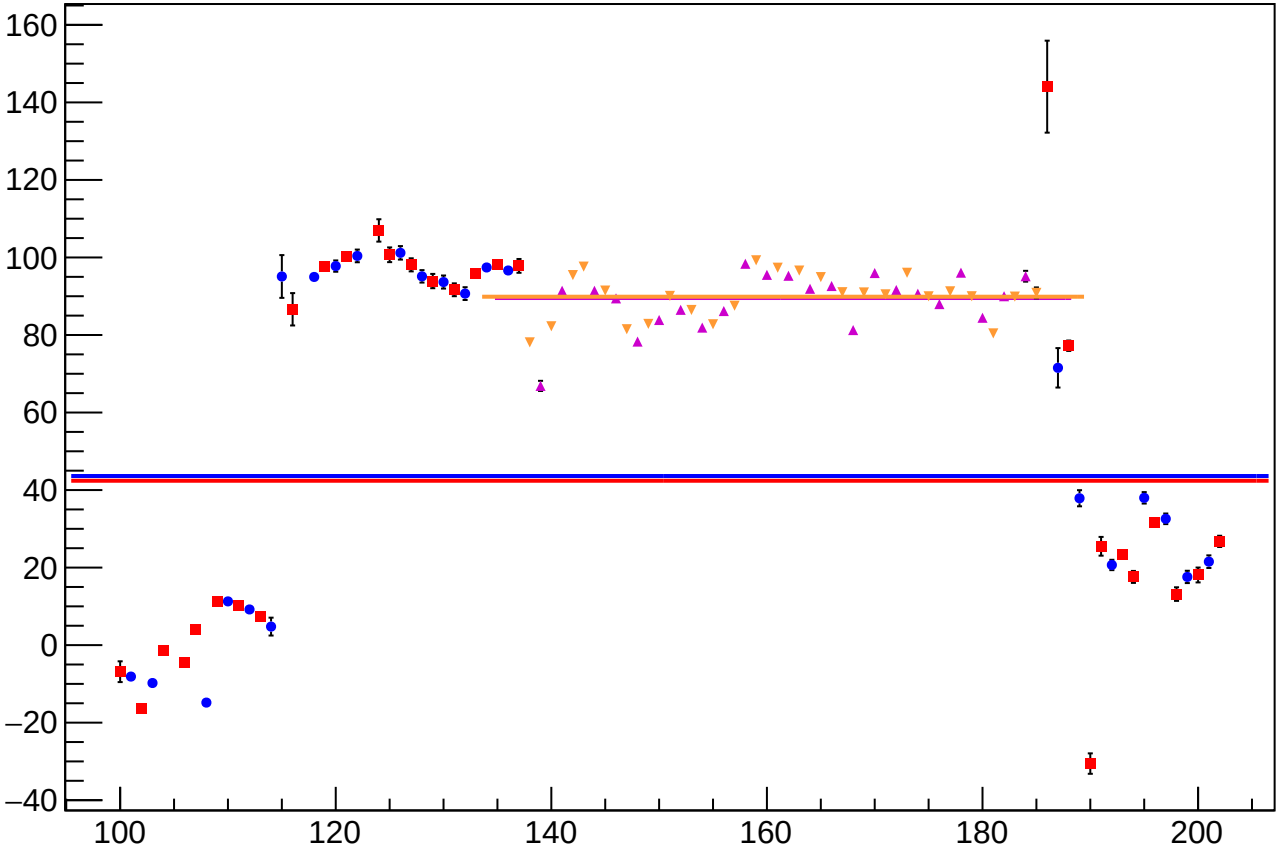
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.763+/-0.152 χ^2/NDF: 4283.9/47

All: 9.909+/-0.104 χ^2/NDF: 8987.8/99

- sign 9.151+/-0.143 χ^2/NDF: 4644.5/51

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.623+/-0.276 χ^2/NDF: 27906.1/22

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.404+/-0.250 χ^2/NDF: 31724.5/28

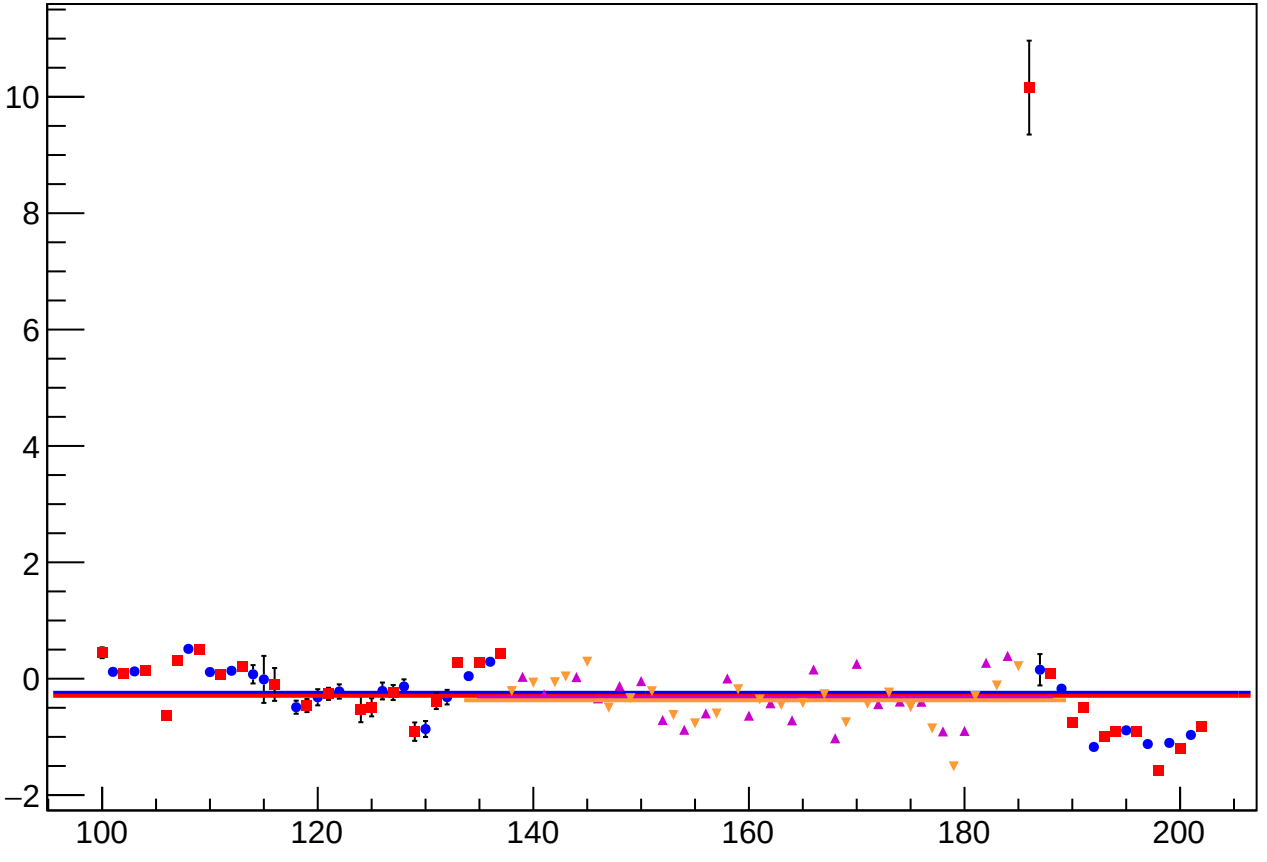
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 75.958+/-0.151 χ^2/NDF: 48615.0/47

All: 74.271+/-0.107 χ^2/NDF: 104373.2/99

- sign 72.611+/-0.150 χ^2/NDF: 55511.8/51

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.242+/-0.011 χ^2/NDF: 2853.0/22

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.294+/-0.010 χ^2/NDF: 3448.0/28

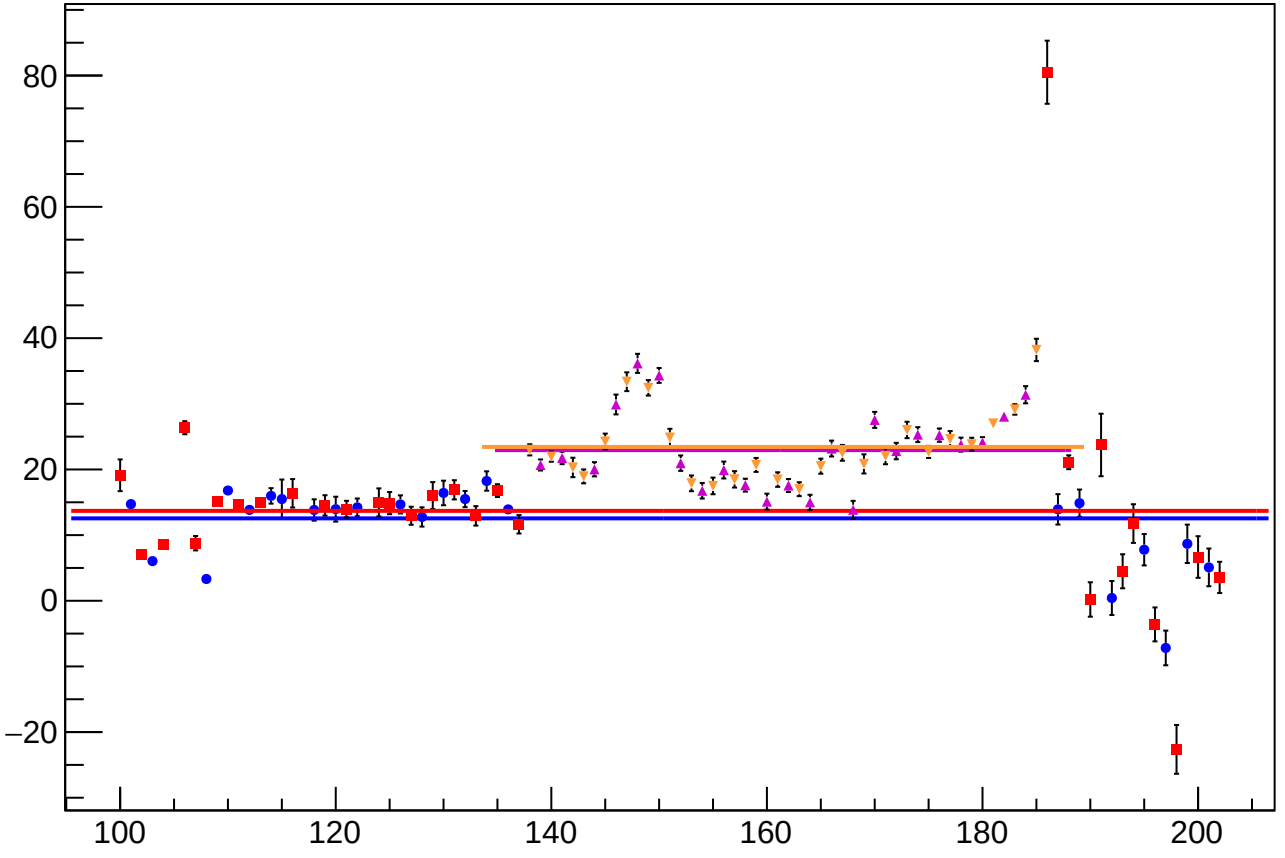
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.328+/-0.007 χ^2/NDF: 4707.8/47

All: -0.319+/-0.005 χ^2/NDF: 10604.5/99

- sign -0.310+/-0.006 χ^2/NDF: 5892.8/51

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.551+/-0.209 χ^2/NDF: 481.6/22

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.695+/-0.197 χ^2/NDF: 853.4/28

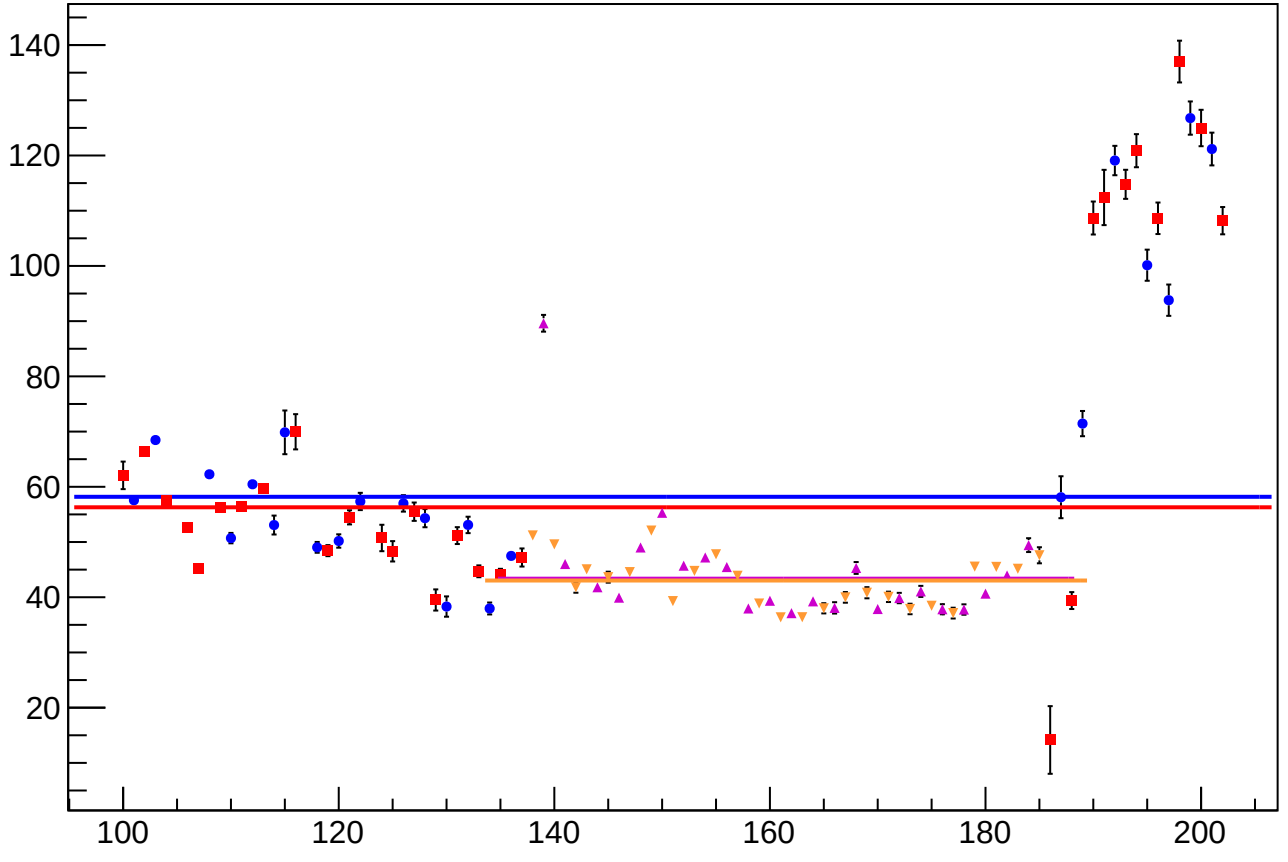
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.808+/-0.150 χ^2/NDF: 2222.5/47

All: 17.750+/-0.105 χ^2/NDF: 4599.1/99

- sign 17.693+/-0.148 χ^2/NDF: 2376.3/51

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 58.189+/-0.217 χ^2/NDF: 3057.2/22

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 56.289+/-0.217 χ^2/NDF: 4324.4/28

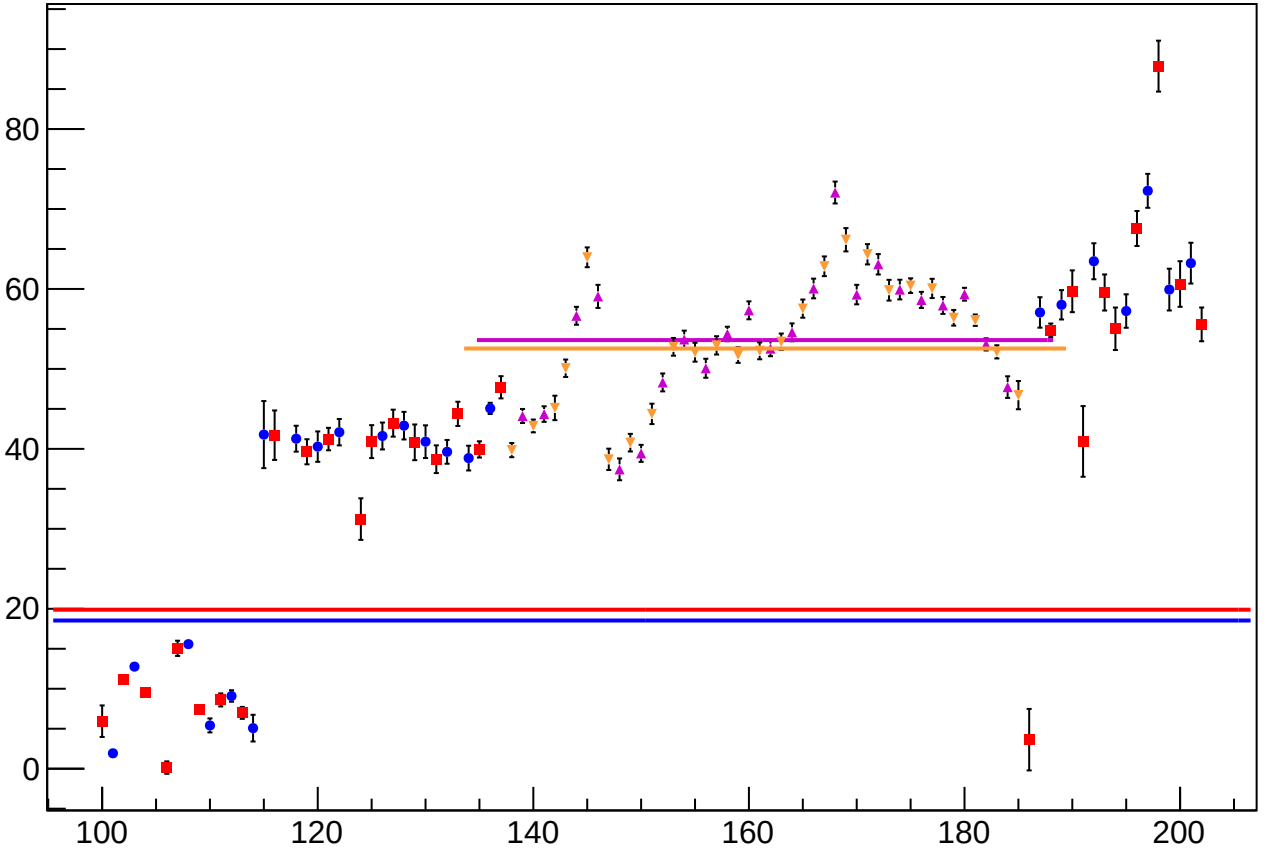
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.674+/-0.133 χ^2/NDF: 6895.8/47

All: 48.597+/-0.095 χ^2/NDF: 15029.5/99

- sign 48.515+/-0.137 χ^2/NDF: 8132.9/51

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 18.534+/-0.207 χ^2/NDF: 8180.7/22

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 19.887+/-0.206 χ^2/NDF: 8164.6/28

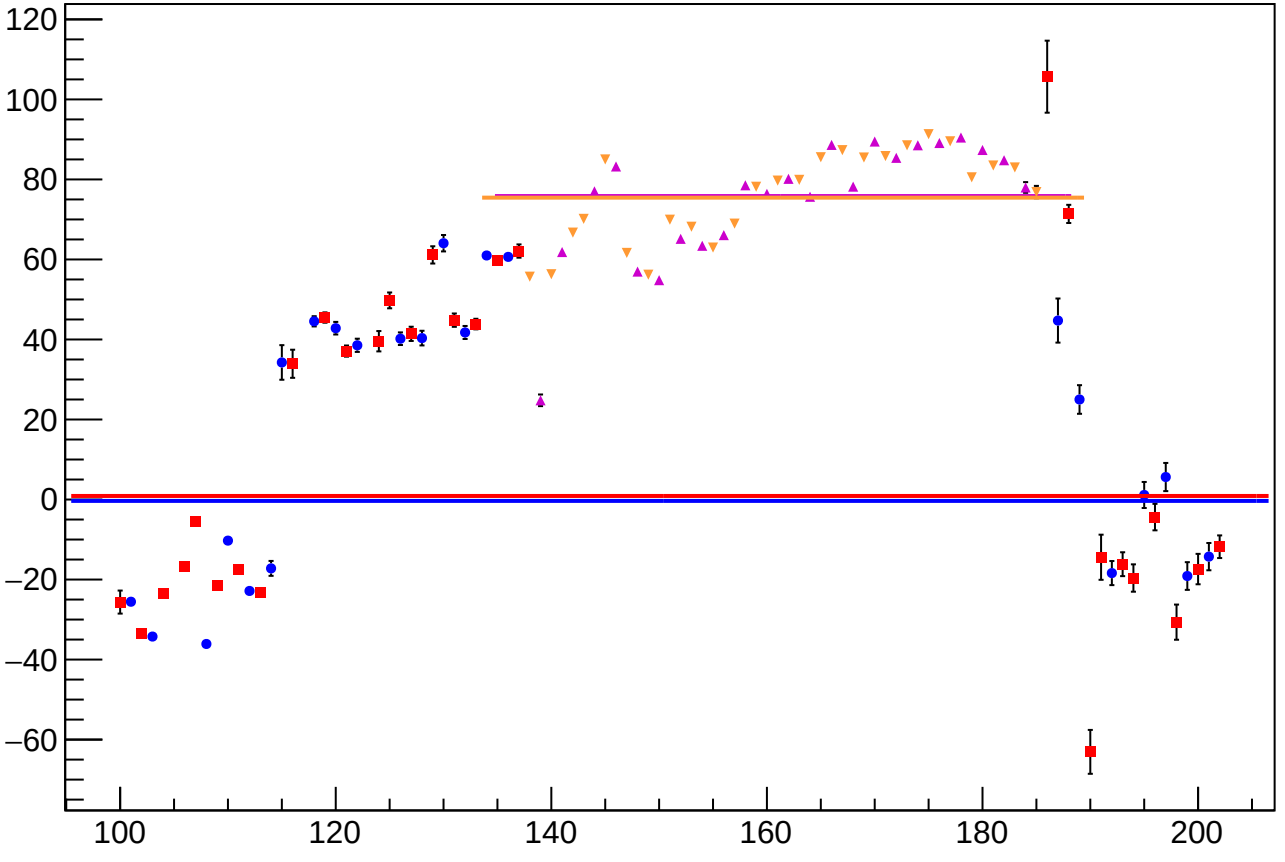
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.923+/-0.149 χ^2/NDF: 22389.2/47

All: 35.186+/-0.106 χ^2/NDF: 43890.7/99

- sign 35.459+/-0.151 χ^2/NDF: 21495.1/51

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.342+/-0.256 χ^2/NDF: 21233.1/22

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.891+/-0.257 χ^2/NDF: 17437.4/28

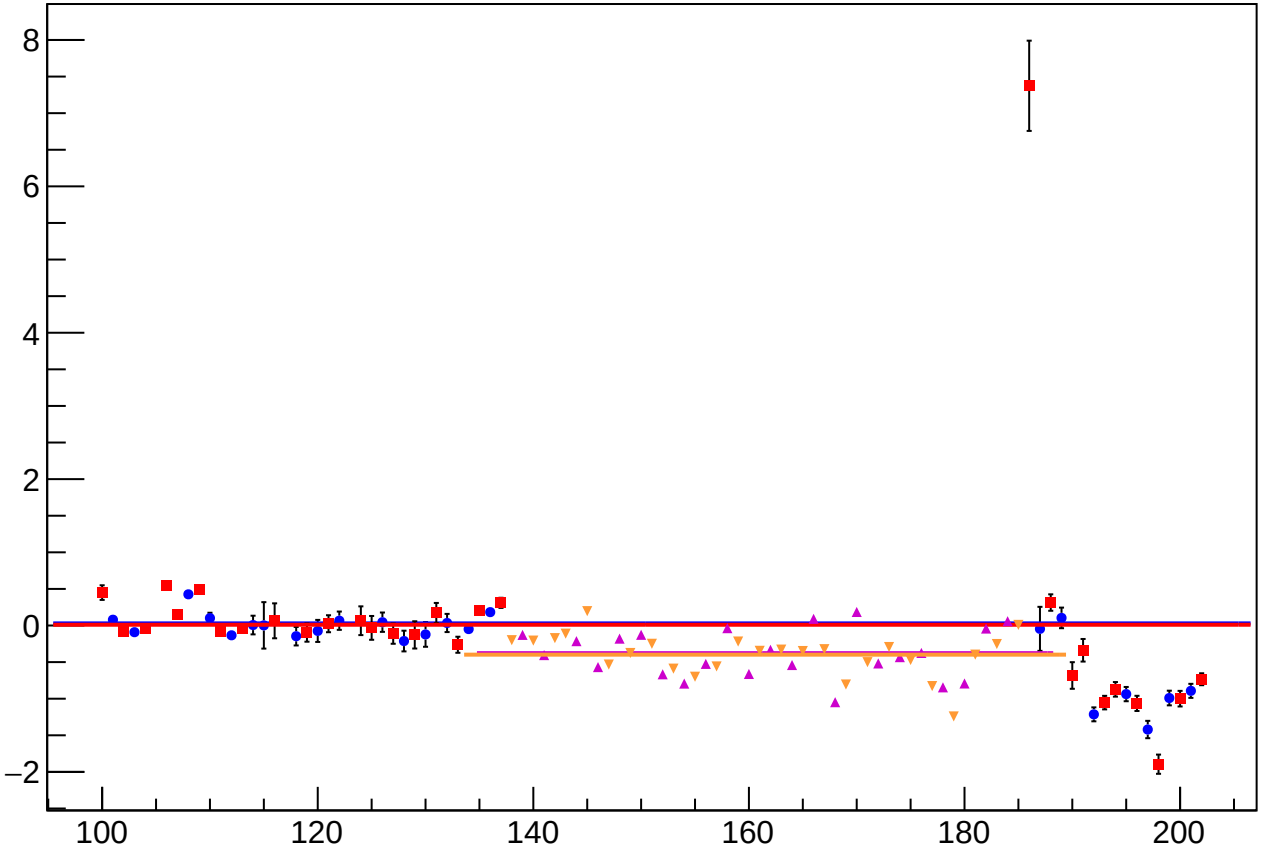
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 48.897+/-0.152 χ^2/NDF: 81430.4/47

All: 48.458+/-0.109 χ^2/NDF: 156800.6/99

- sign 47.993+/-0.156 χ^2/NDF: 75353.0/51

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.029+/-0.011 χ^2/NDF: 950.7/22

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.011+/-0.011 χ^2/NDF: 1320.5/28

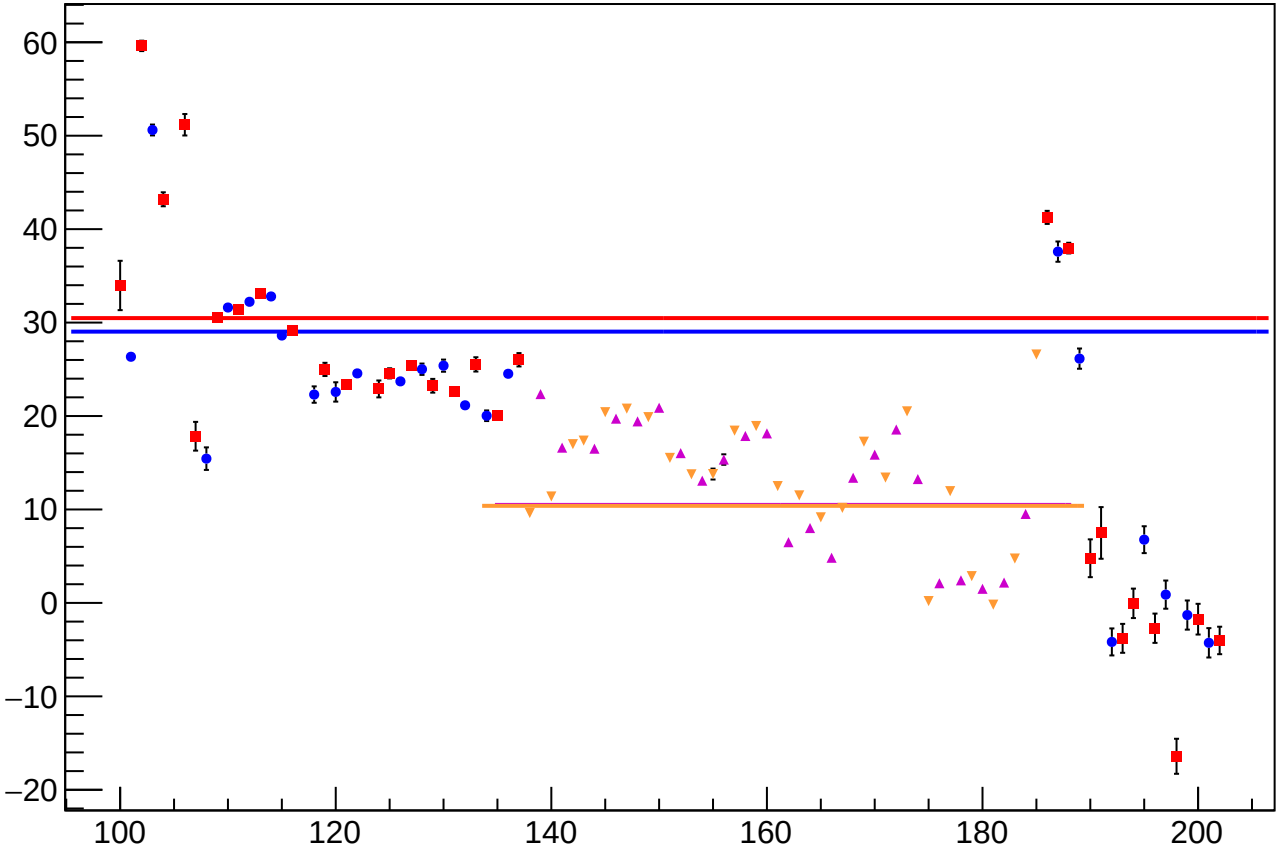
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.238+/-0.007 χ^2/NDF: 2950.6/47

All: -0.233+/-0.005 χ^2/NDF: 6408.1/99

- sign -0.228+/-0.007 χ^2/NDF: 3456.5/51

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.033+/-0.090 χ^2/NDF: 5416.2/22

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.480+/-0.078 χ^2/NDF: 8606.9/28

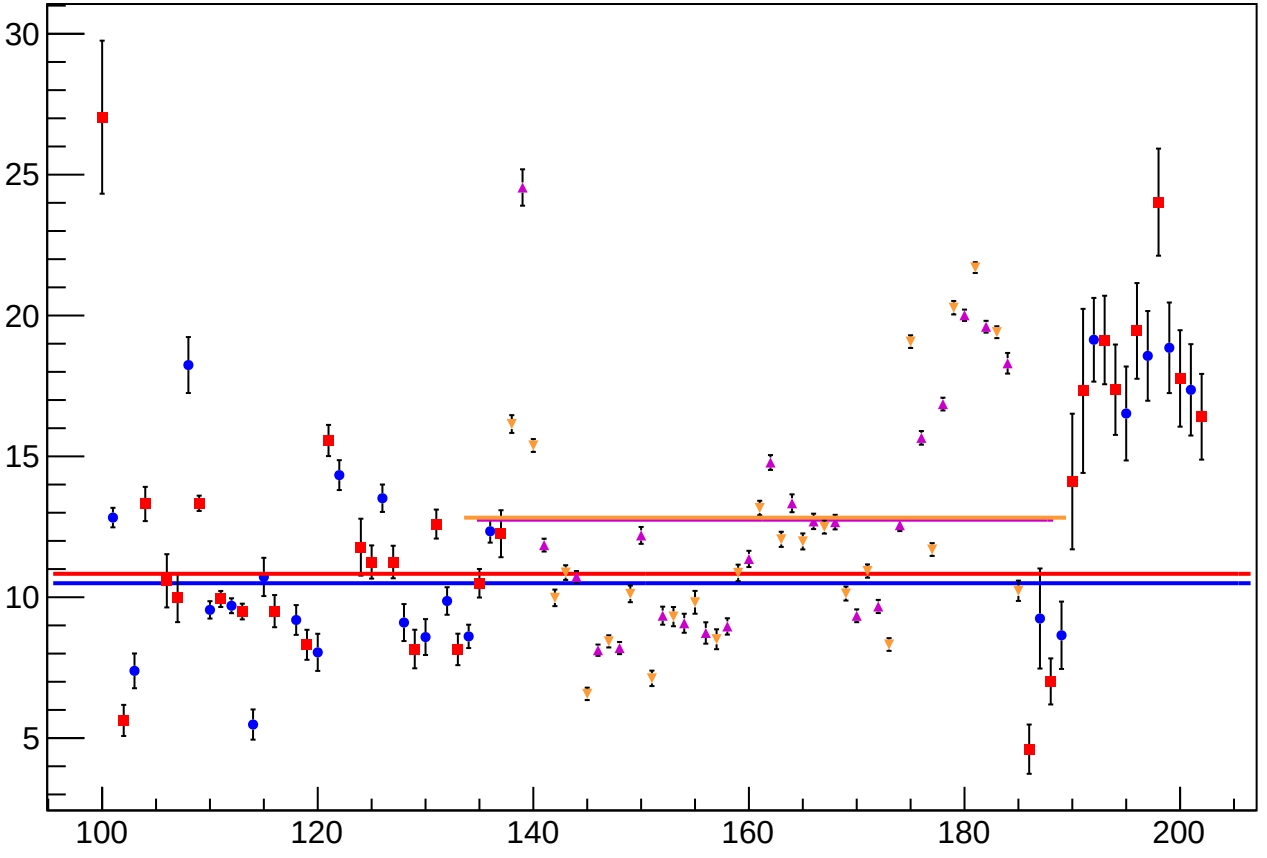
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.624+/-0.052 χ^2/NDF: 47473.6/47

All: 17.806+/-0.036 χ^2/NDF: 106359.5/99

- sign 18.919+/-0.051 χ^2/NDF: 57895.5/51

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.498+/-0.112 χ^2/NDF: 525.4/22

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.832+/-0.109 χ^2/NDF: 643.7/28

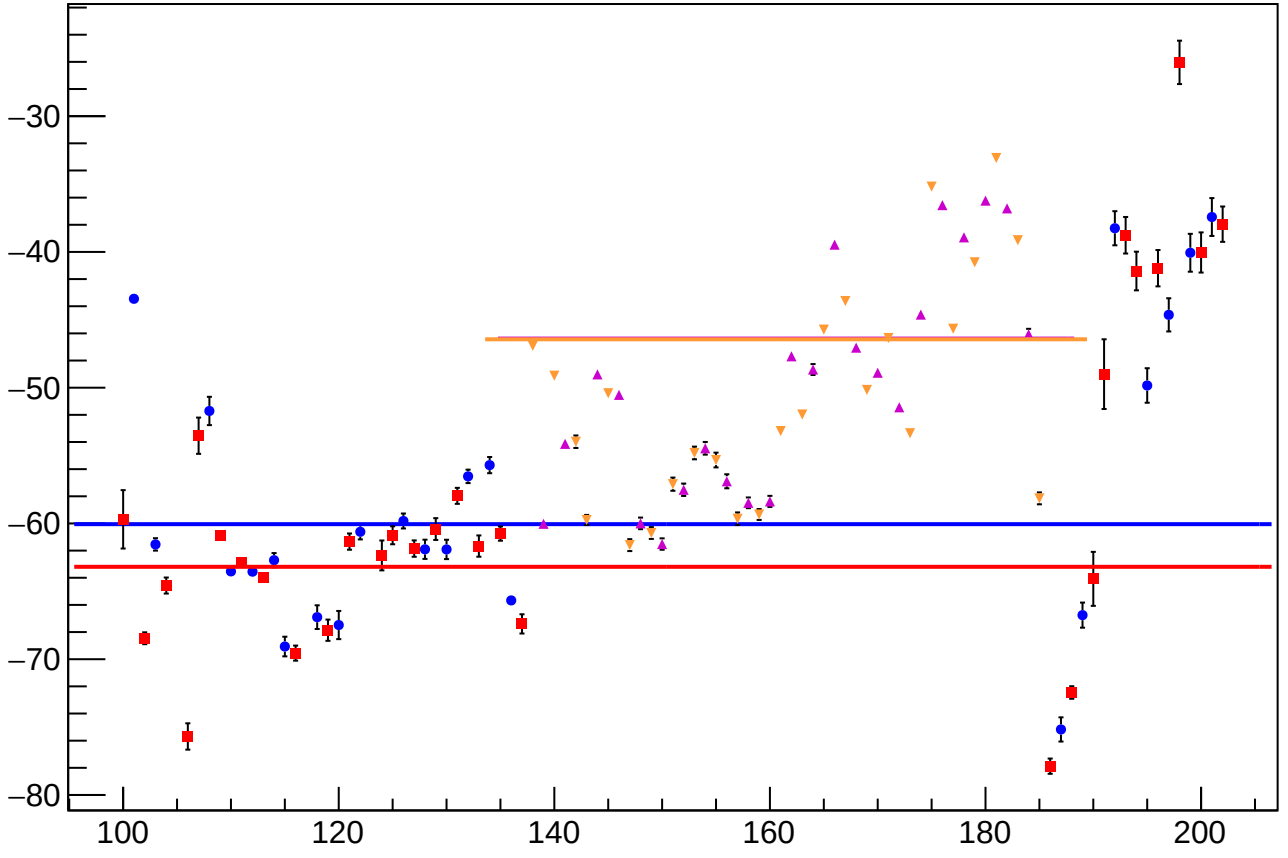
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.423+/-0.046 χ^2/NDF: 8900.1/47

All: 12.406+/-0.033 χ^2/NDF: 15296.8/99

- sign 12.387+/-0.048 χ^2/NDF: 6396.4/51

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.052+/-0.109 χ^2/NDF: 4939.2/22

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.193+/-0.101 χ^2/NDF: 3956.2/28

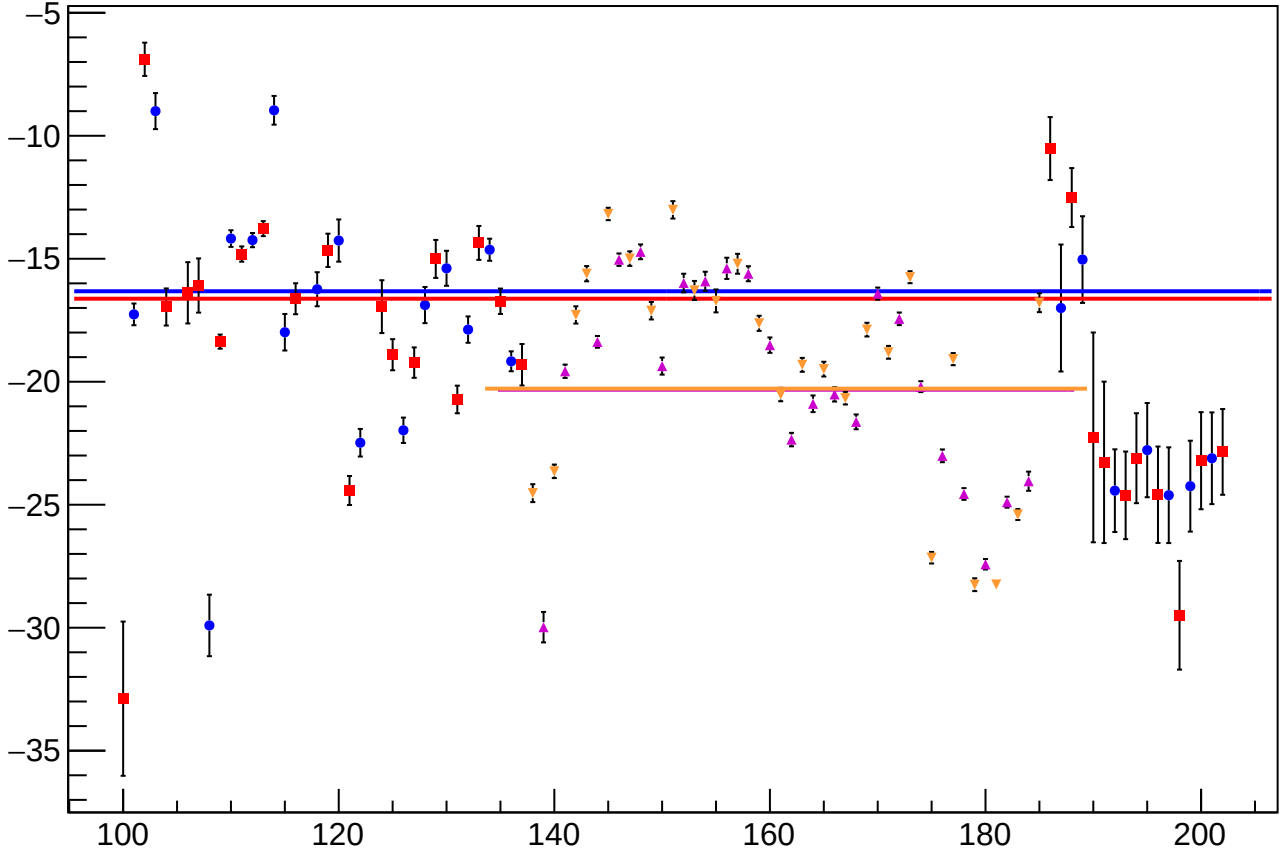
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.945+/-0.056 χ^2/NDF: 34626.2/47

All: -50.723+/-0.039 χ^2/NDF: 73356.4/99

- sign -51.506+/-0.056 χ^2/NDF: 38336.4/51

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.321+/-0.125 χ^2/NDF: 884.0/22

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.625+/-0.122 χ^2/NDF: 832.9/28

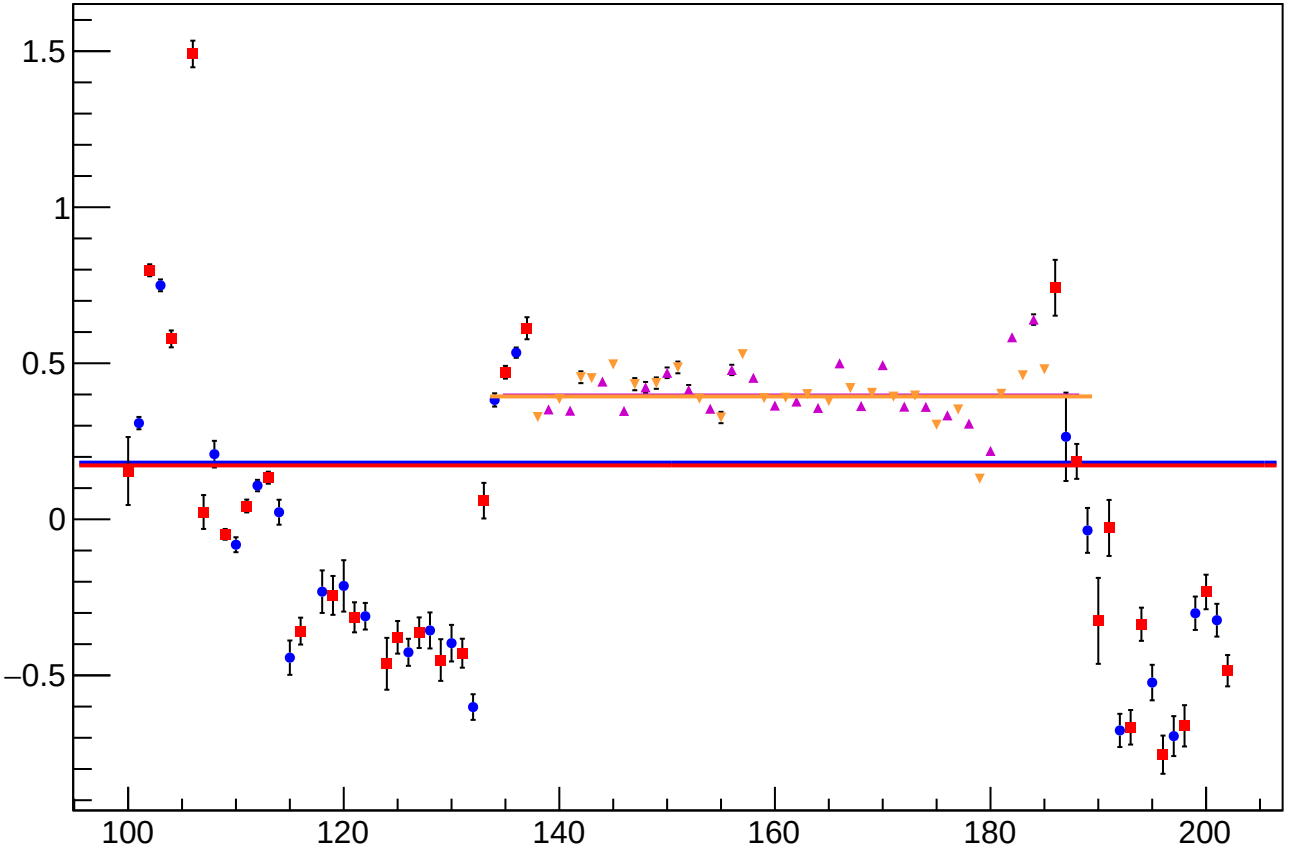
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.600+/-0.052 χ^2/NDF: 8731.6/47

All: -19.609+/-0.037 χ^2/NDF: 14584.9/99

- sign -19.619+/-0.053 χ^2/NDF: 5853.3/51

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.182+/-0.007 χ^2/NDF: 3480.6/22

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.173+/-0.007 χ^2/NDF: 4668.4/28

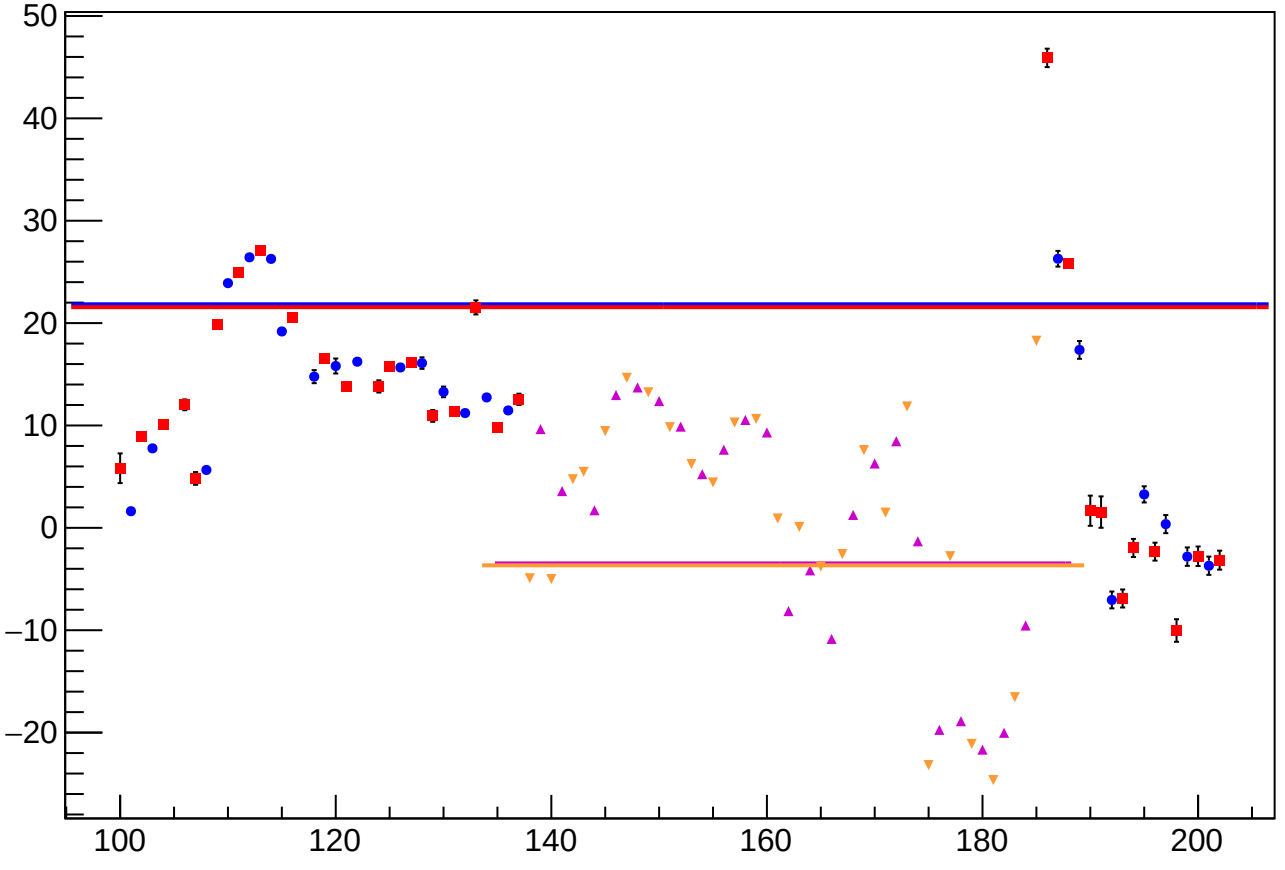
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.367+/-0.002 χ^2/NDF: 5289.7/47

All: 0.367+/-0.002 χ^2/NDF: 12226.5/99

- sign 0.367+/-0.002 χ^2/NDF: 6936.8/51

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.837+/-0.056 χ^2/NDF: 16418.7/22

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.556+/-0.046 χ^2/NDF: 16604.1/28

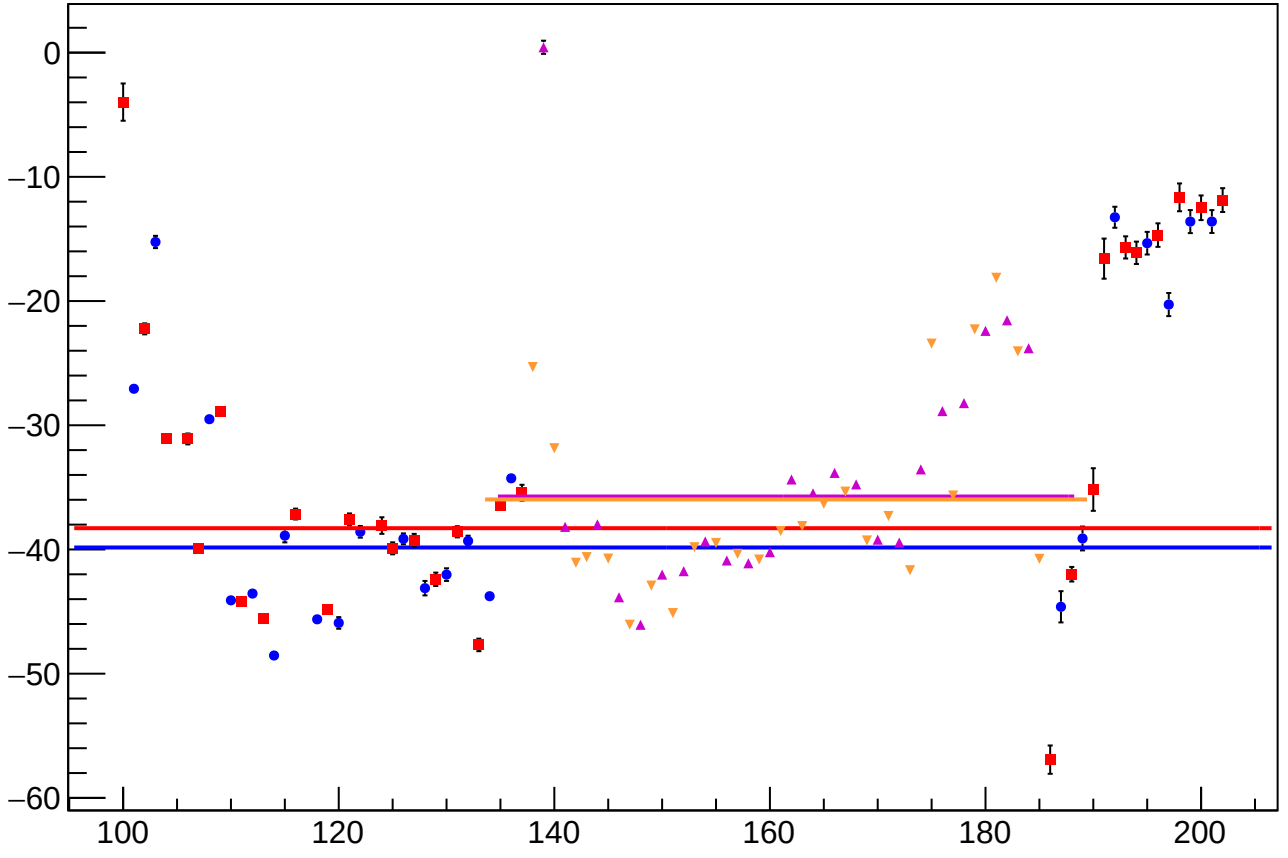
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.823+/-0.039 χ^2/NDF: 180170.0/47

All: 10.488+/-0.026 χ^2/NDF: 361865.3/99

- sign 11.884+/-0.036 χ^2/NDF: 178339.3/51

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -39.841+/-0.075 χ^2/NDF: 11685.4/22

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.287+/-0.069 χ^2/NDF: 14560.4/28

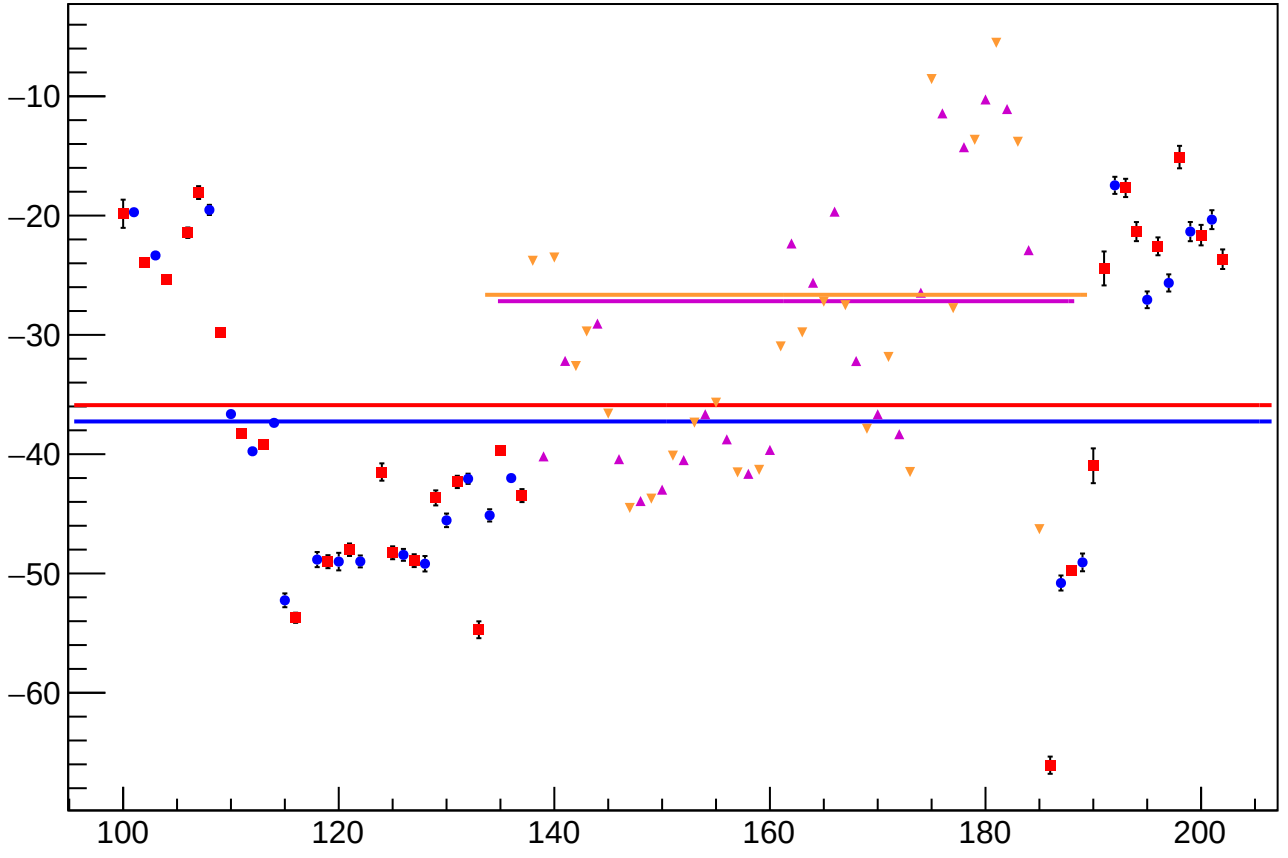
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.914+/-0.037 χ^2/NDF: 47318.1/47

All: -36.709+/-0.026 χ^2/NDF: 90052.3/99

- sign -36.494+/-0.038 χ^2/NDF: 42670.6/51

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.257+/-0.071 χ^2/NDF: 13683.6/22

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.890+/-0.062 χ^2/NDF: 19064.5/28

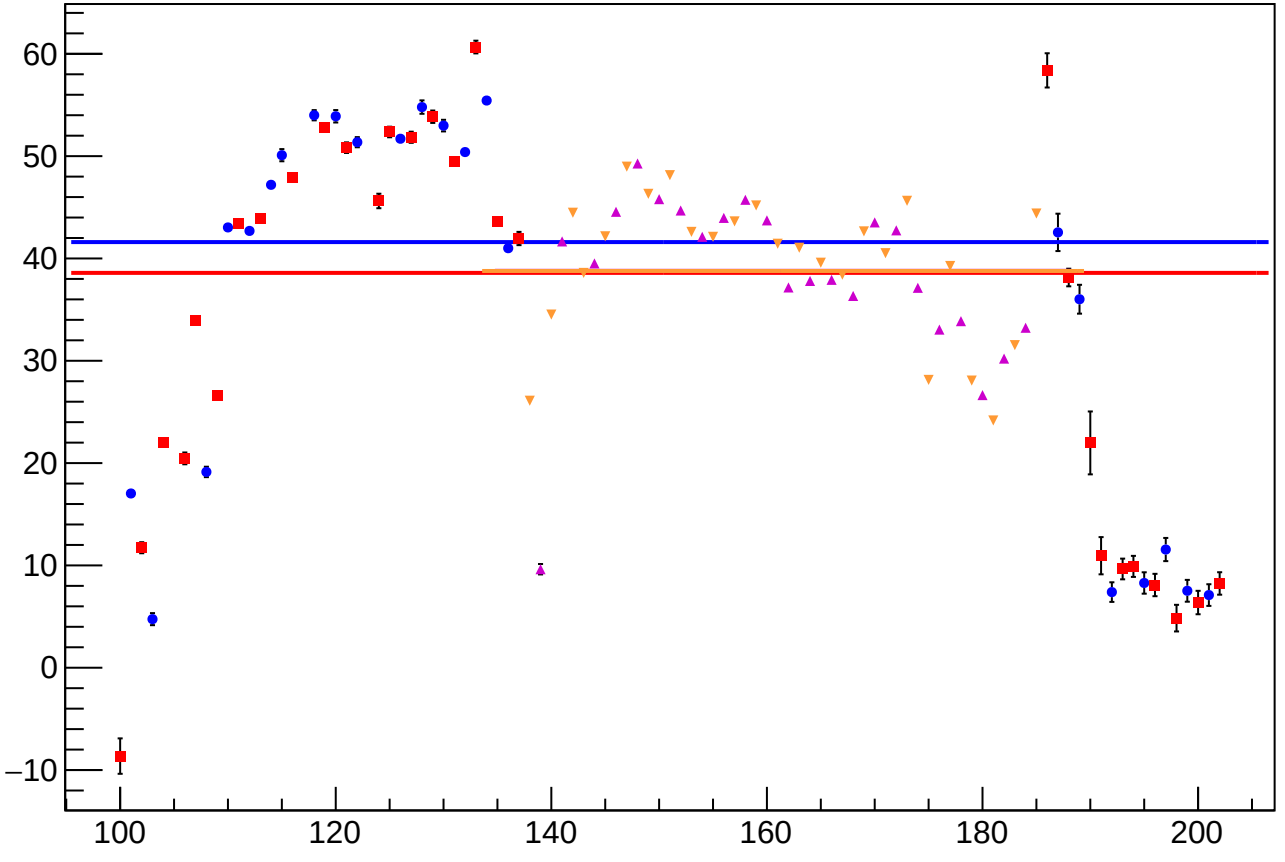
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.570+/-0.043 χ^2/NDF: 77742.8/47

All: -30.898+/-0.030 χ^2/NDF: 148631.7/99

- sign -31.206+/-0.042 χ^2/NDF: 70777.5/51

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 41.601+/-0.083 χ^2/NDF: 20031.3/22

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.591+/-0.077 χ^2/NDF: 23127.3/28

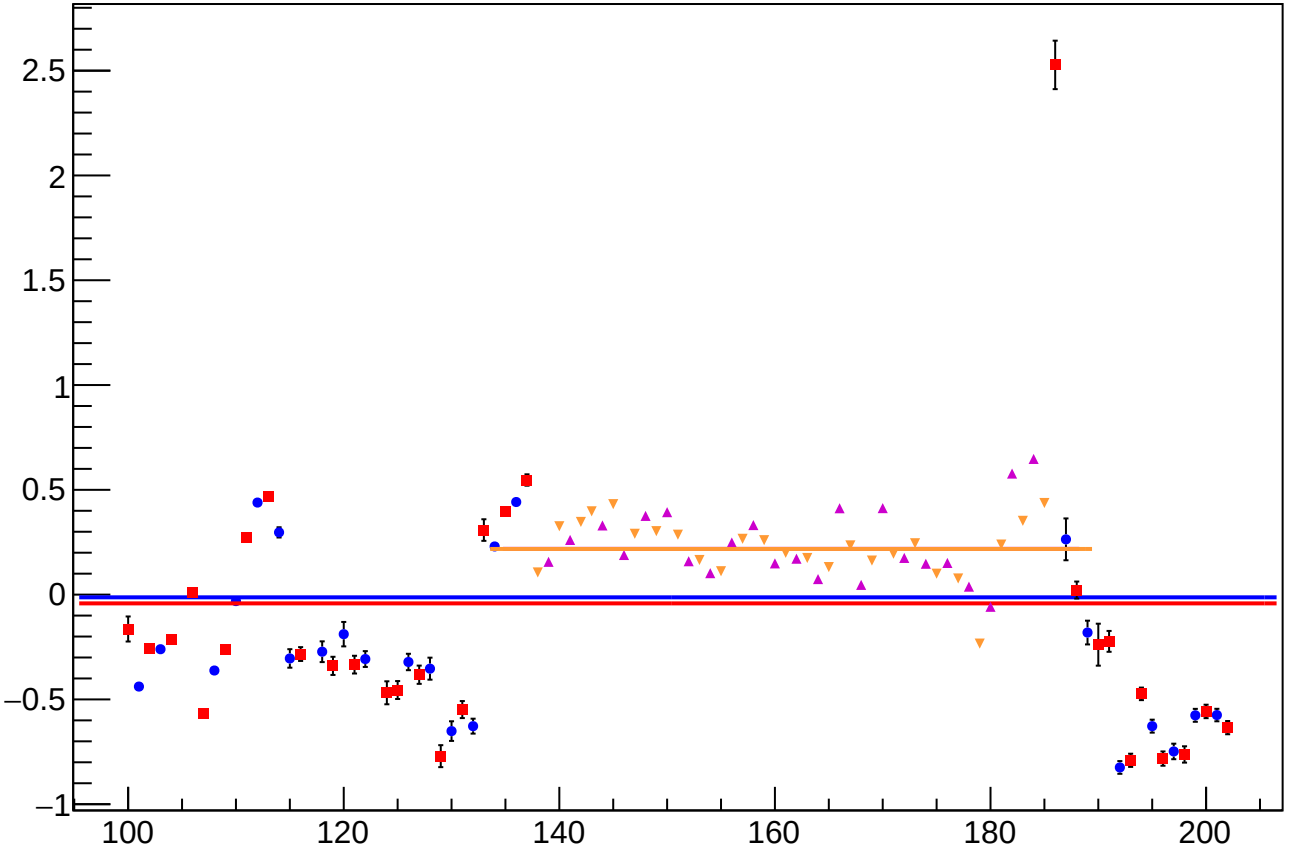
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.473+/-0.041 χ^2/NDF: 41964.4/47

All: 39.107+/-0.029 χ^2/NDF: 81495.5/99

- sign 38.731+/-0.042 χ^2/NDF: 39372.8/51

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.013+/-0.005 χ^2/NDF: 7963.5/22

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.042+/-0.004 χ^2/NDF: 9328.6/28

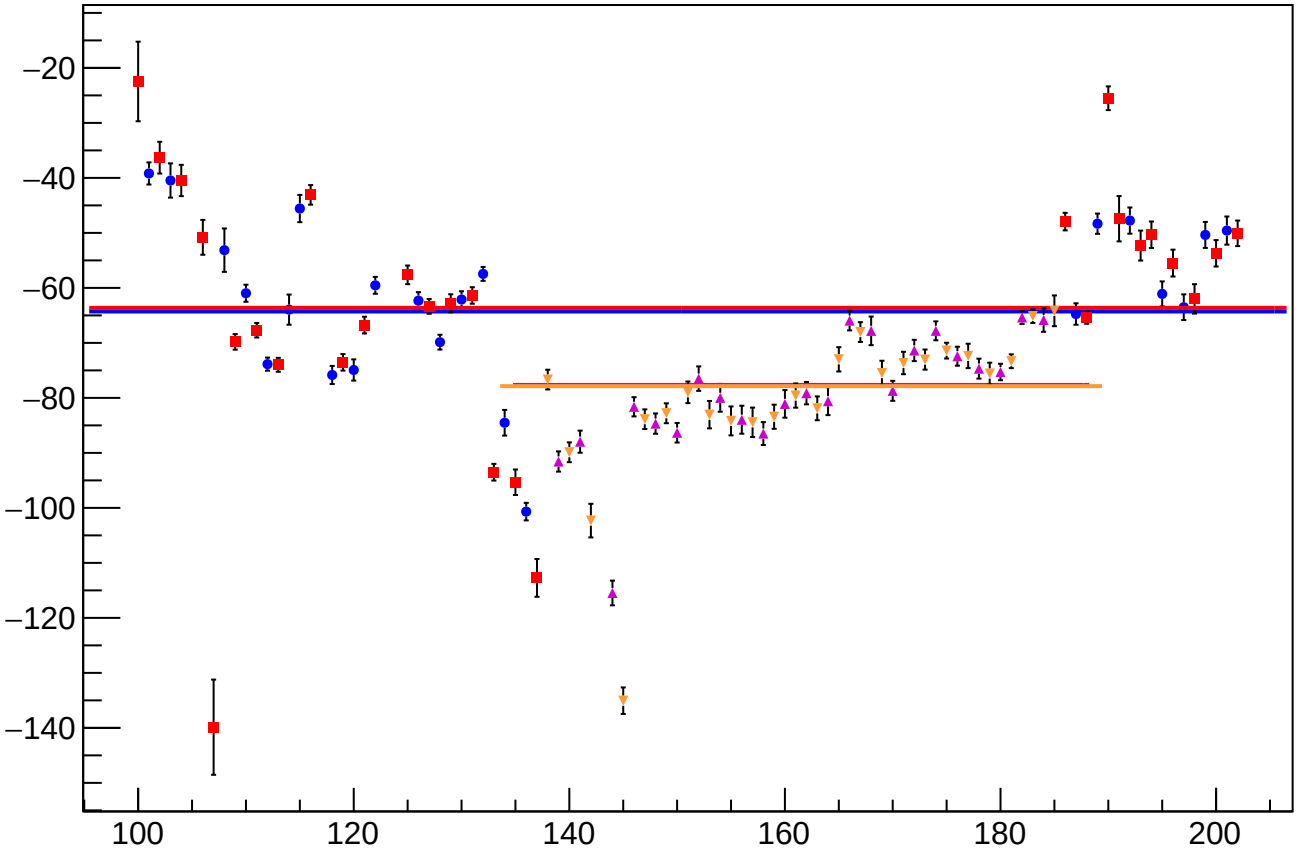
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.176+/-0.002 χ^2/NDF: 14136.0/47

All: 0.168+/-0.001 χ^2/NDF: 31889.7/99

- sign 0.159+/-0.002 χ^2/NDF: 17718.2/51

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -64.285+/-0.379 χ^2/NDF: 1276.6/22

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.630+/-0.350 χ^2/NDF: 1889.4/27

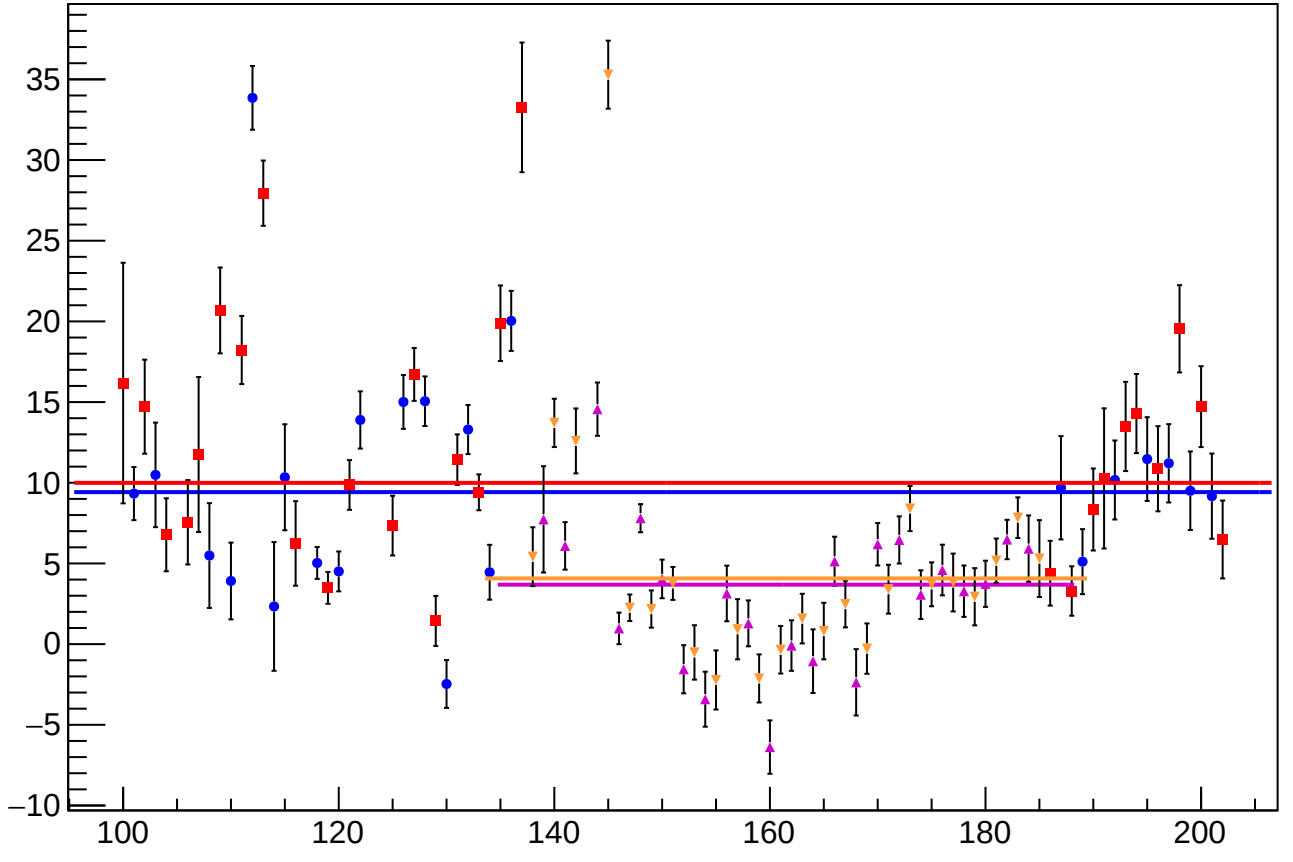
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -70.815+/-0.273 χ^2/NDF: 2825.7/46

All: -70.270+/-0.189 χ^2/NDF: 6118.1/97

- sign -69.768+/-0.262 χ^2/NDF: 3284.8/50

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.420+/-0.389 χ^2/NDF: 347.8/22

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.995+/-0.376 χ^2/NDF: 314.2/27

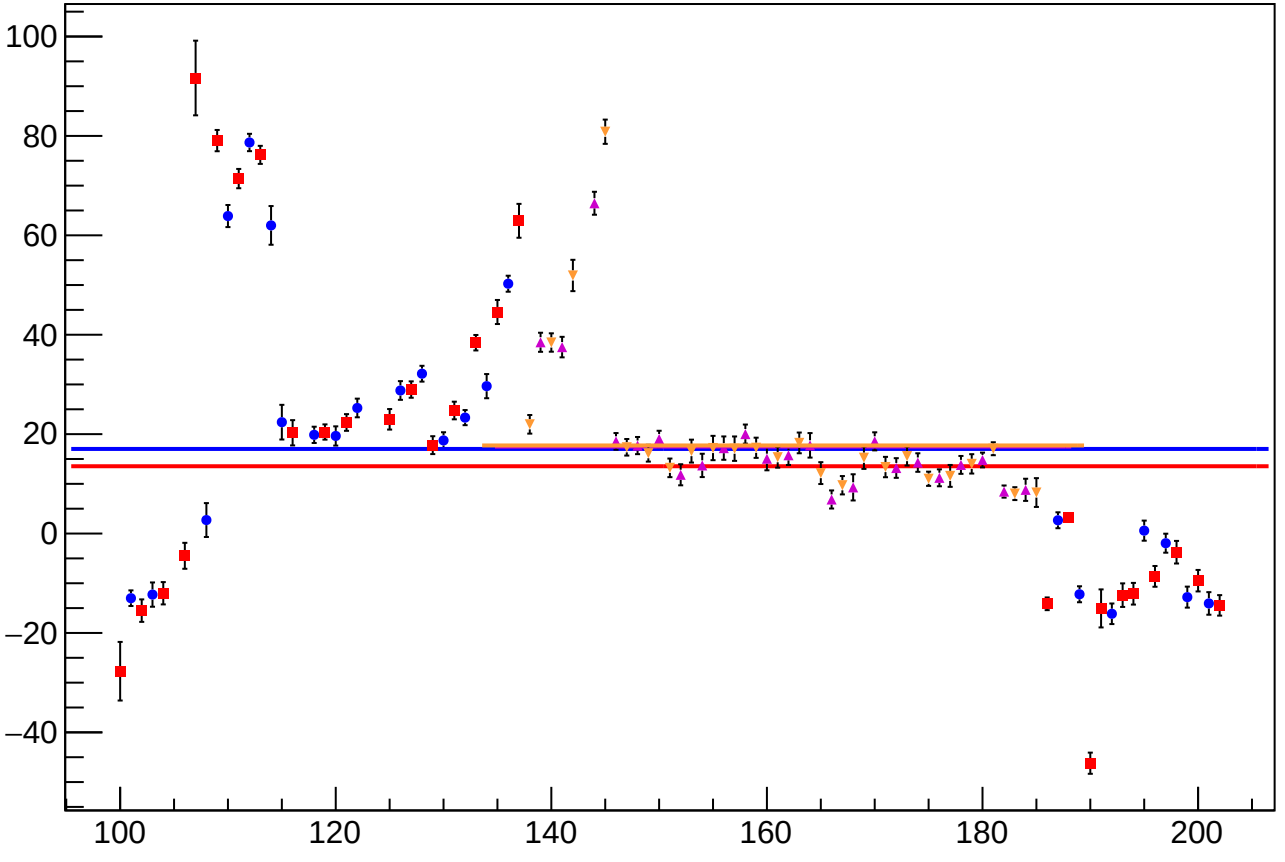
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 6.038+/-0.236 χ^2/NDF: 837.7/46

All: 6.096+/-0.167 χ^2/NDF: 1505.8/97

- sign 6.154+/-0.235 χ^2/NDF: 668.0/50

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 17.023+/-0.400 χ^2/NDF: 4197.2/22

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 13.541+/-0.362 χ^2/NDF: 6524.1/27

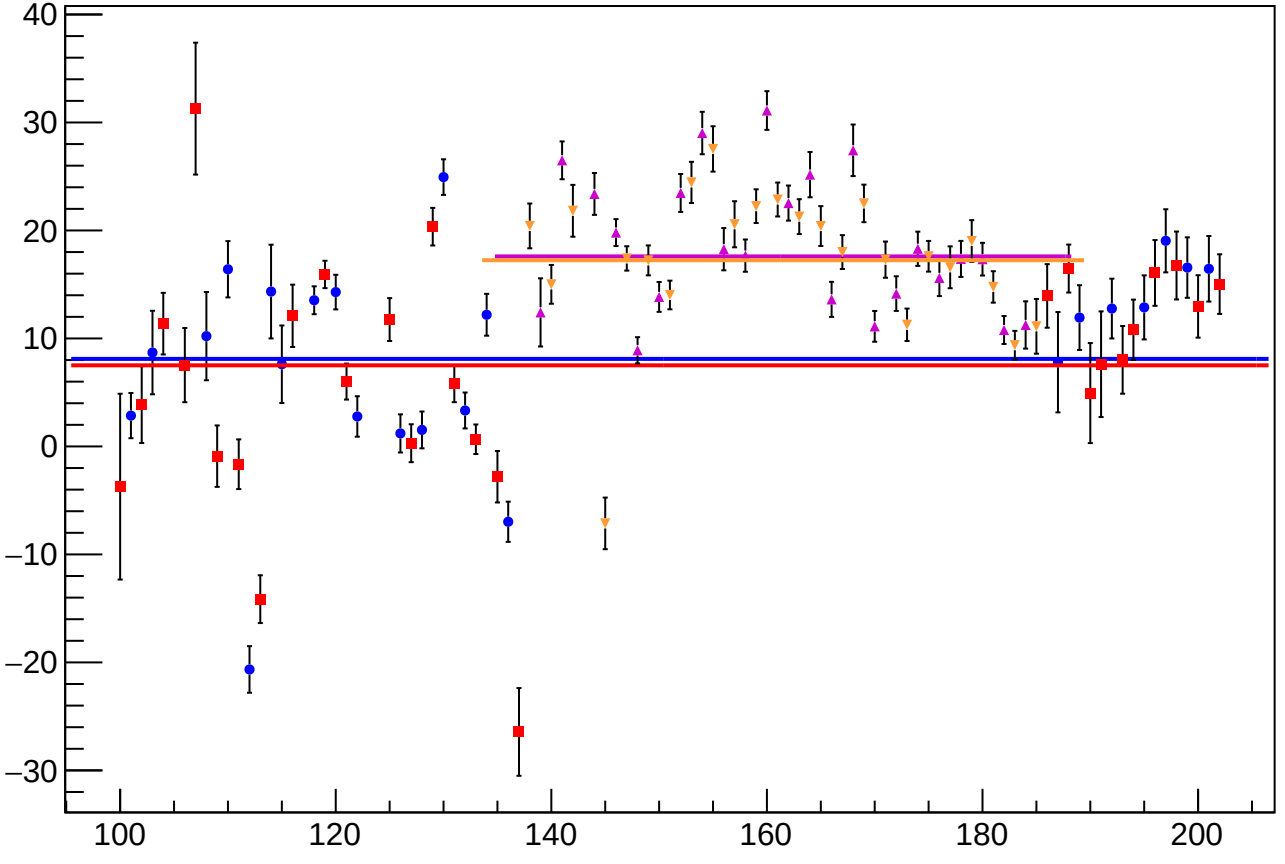
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 17.381+/-0.280 χ^2/NDF: 5257.1/46

All: 16.317+/-0.193 χ^2/NDF: 12684.3/97

- sign 15.354+/-0.266 χ^2/NDF: 7399.6/50

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 8.107+/-0.455 χ^2/NDF: 487.8/22

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.511+/-0.444 χ^2/NDF: 428.3/27

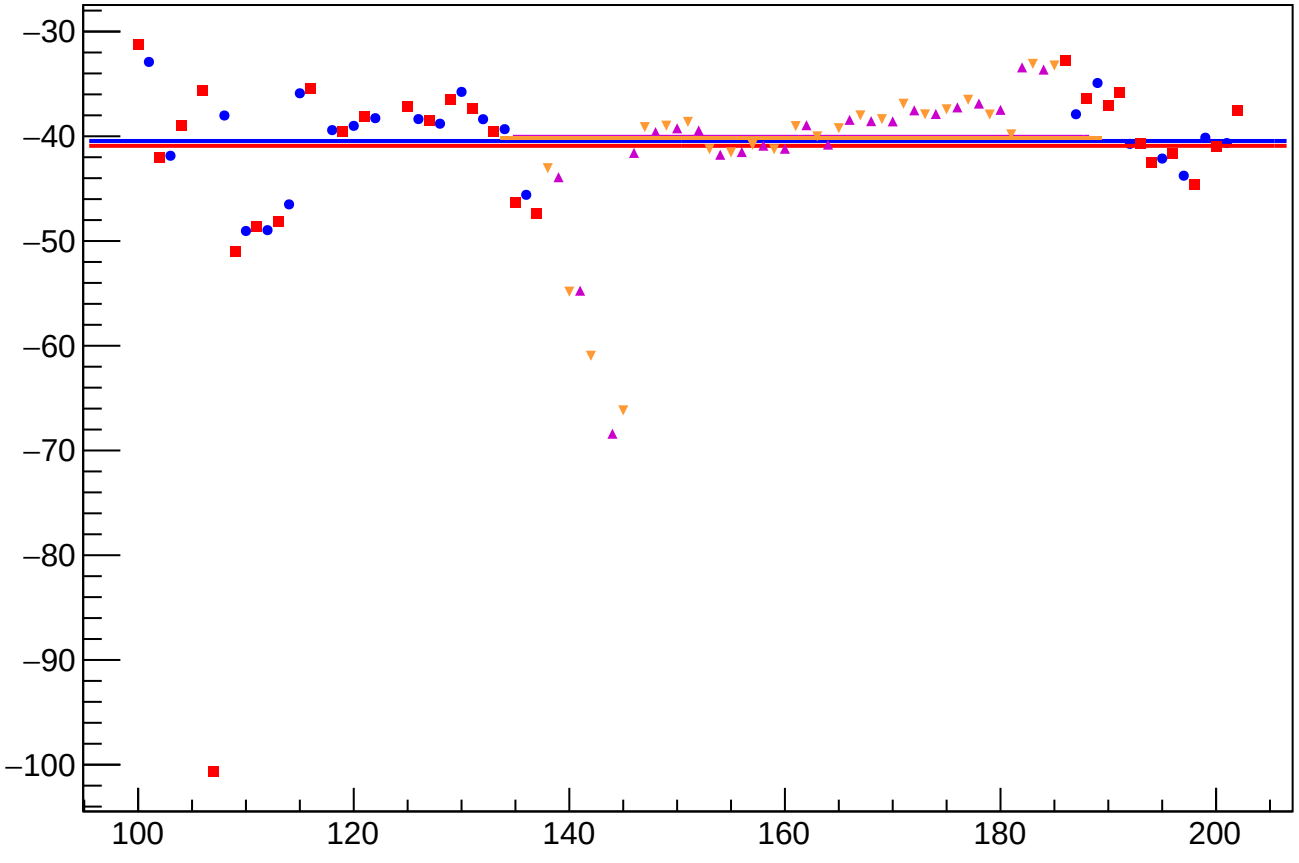
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.996+/-0.271 χ^2/NDF: 1008.3/46

All: 13.918+/-0.192 χ^2/NDF: 2070.0/97

- sign 13.840+/-0.271 χ^2/NDF: 1061.5/50

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.447+/-0.024 χ^2/NDF: 24709.5/22

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.911+/-0.022 χ^2/NDF: 69268.6/27

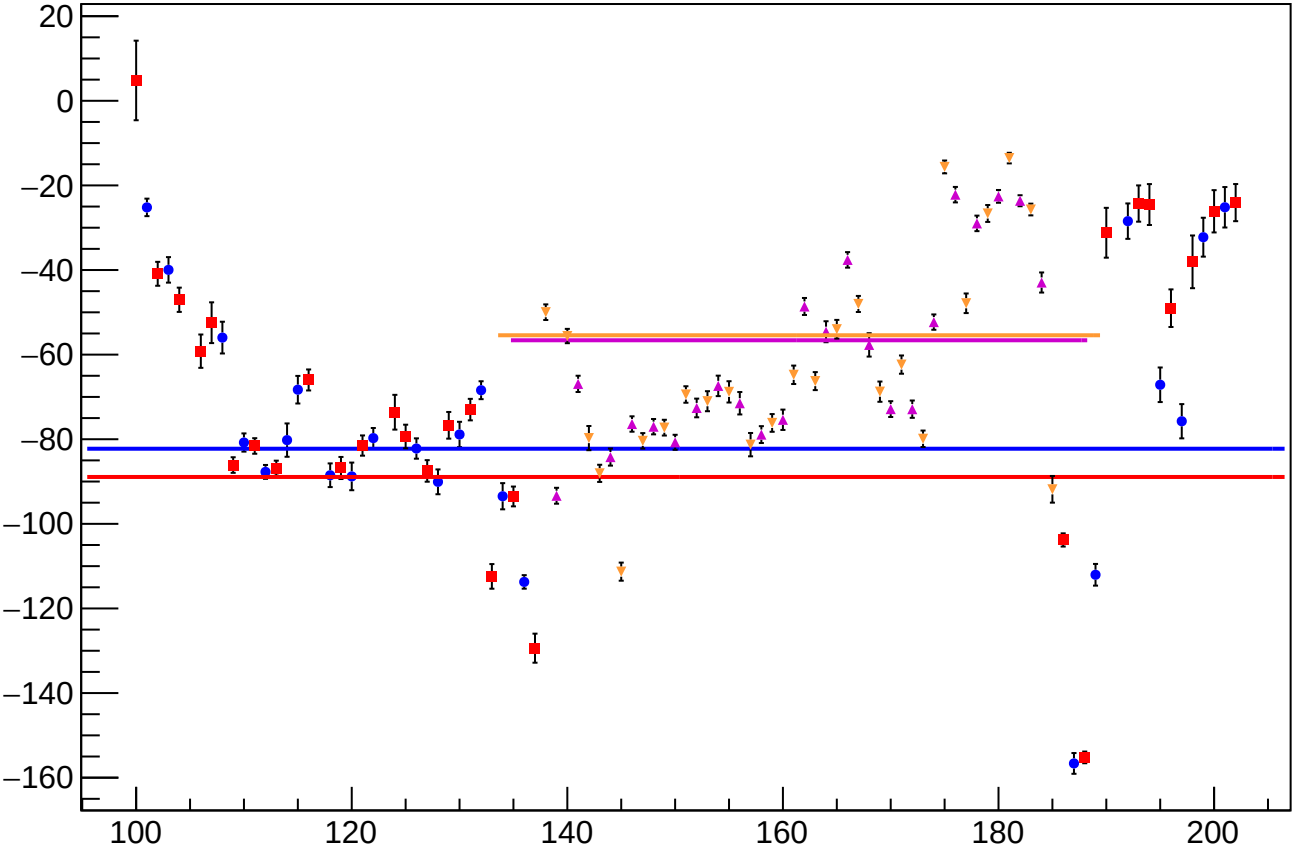
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.248+/-0.013 χ^2/NDF: 188144.9/46

All: -40.288+/-0.009 χ^2/NDF: 394873.7/97

- sign -40.326+/-0.013 χ^2/NDF: 206710.7/50

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -82.244+/-0.553 χ^2/NDF: 2994.6/22

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -88.919+/-0.502 χ^2/NDF: 4532.1/27

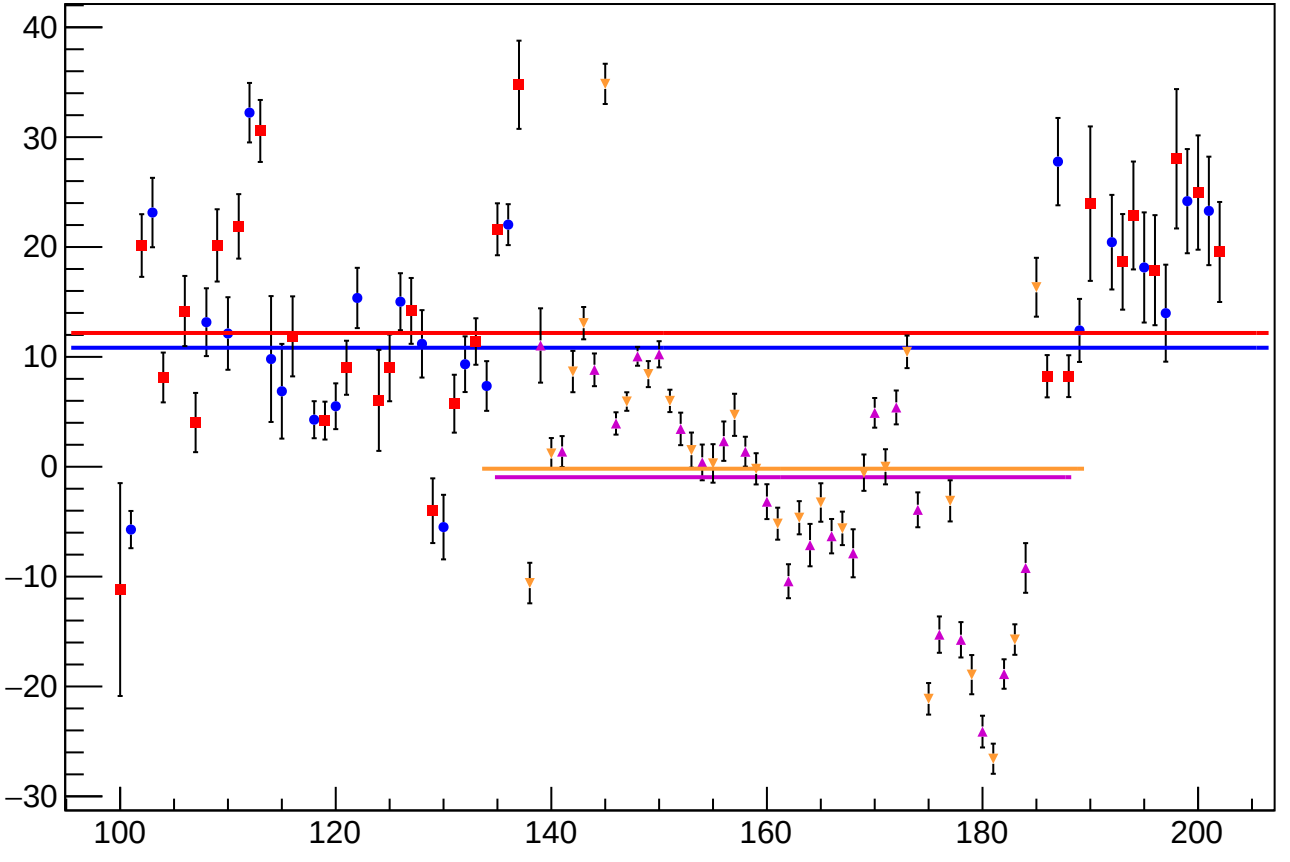
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.424+/-0.321 χ^2/NDF: 9080.5/47

All: -66.908+/-0.225 χ^2/NDF: 19596.3/98

- sign -69.300+/-0.315 χ^2/NDF: 10398.0/50

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 10.831+/-0.577 χ^2/NDF: 311.7/22

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.176+/-0.553 χ^2/NDF: 230.3/27

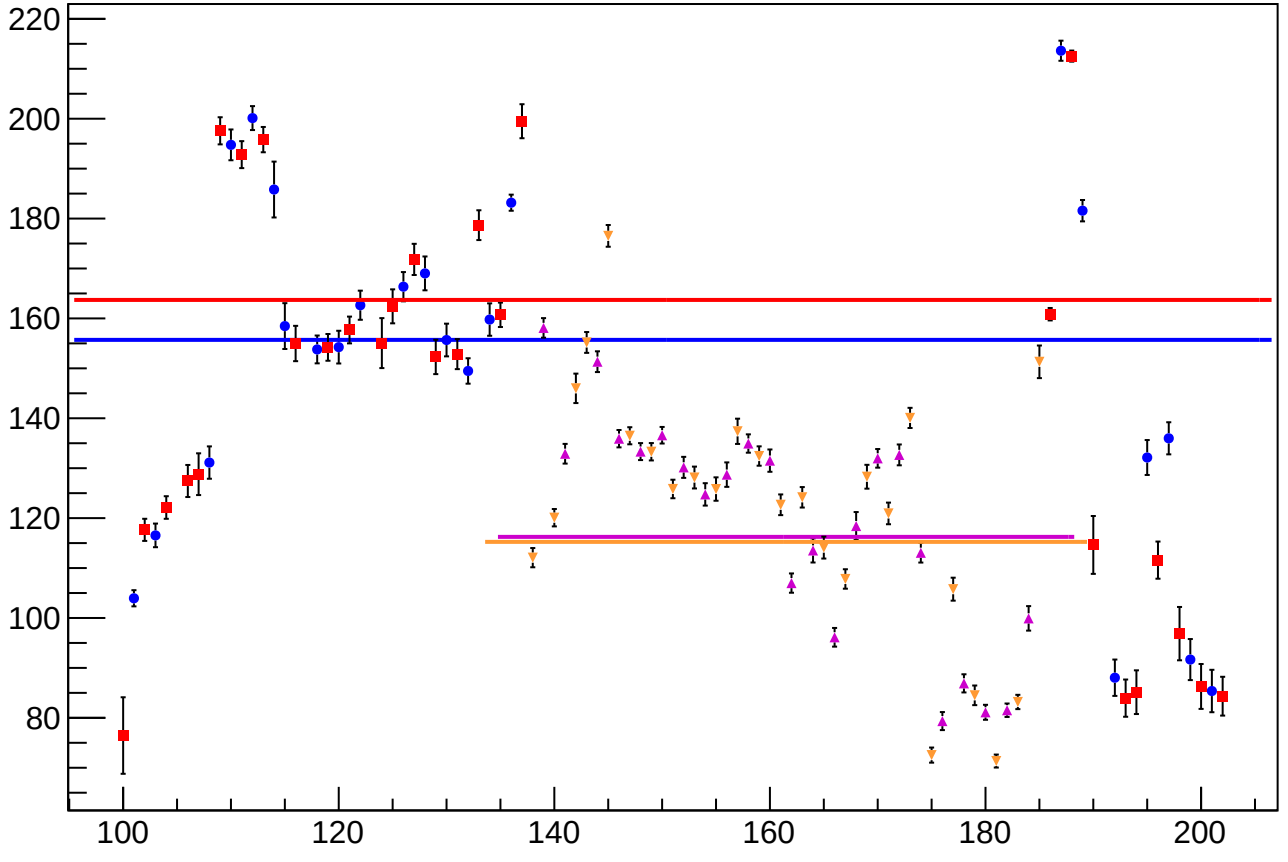
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 2.093+/-0.262 χ^2/NDF: 2199.5/47

All: 2.097+/-0.187 χ^2/NDF: 3932.7/98

- sign 2.100+/-0.266 χ^2/NDF: 1733.2/50

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 155.703+/-0.566 χ^2/NDF: 4136.3/22

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 163.704+/-0.501 χ^2/NDF: 5582.3/27

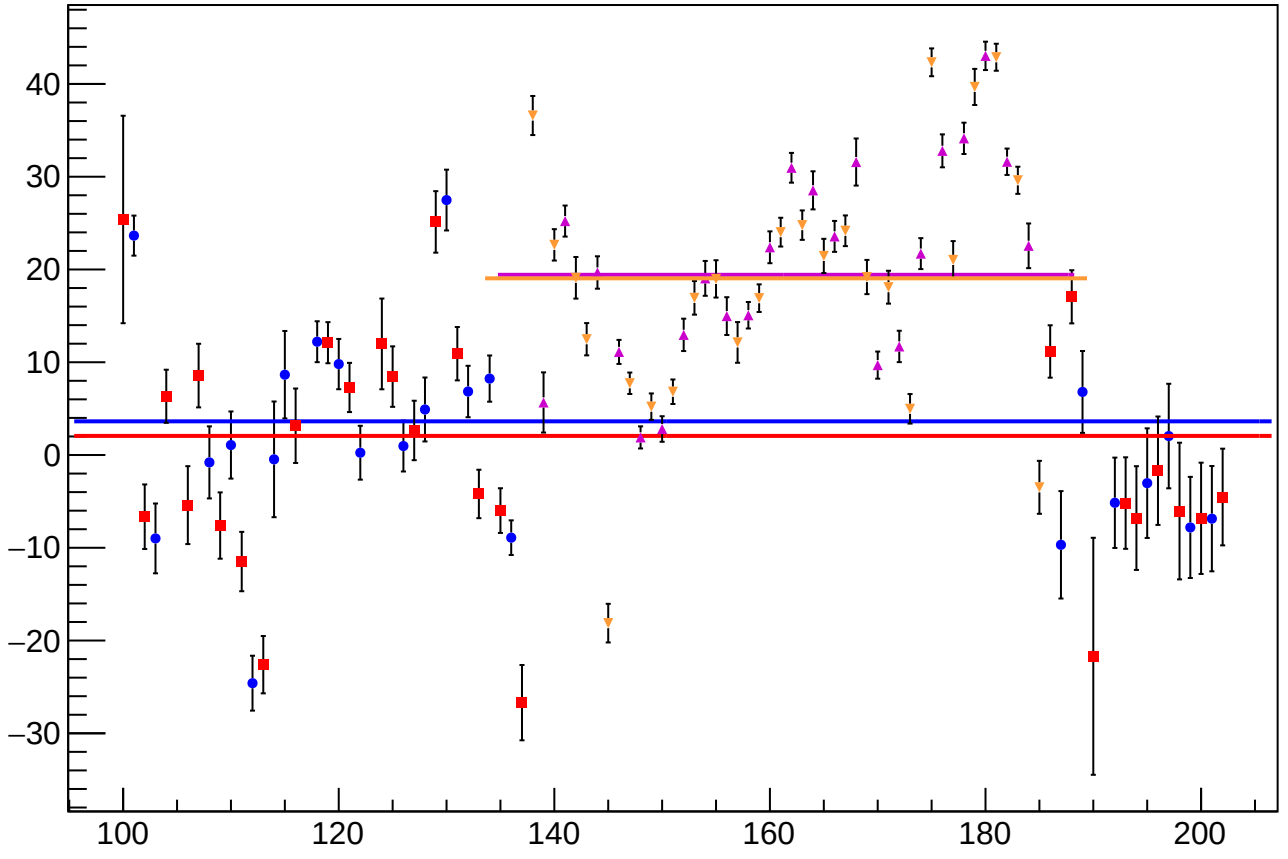
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.271+/-0.321 χ^2/NDF: 12432.3/47

All: 131.554+/-0.224 χ^2/NDF: 27337.7/98

- sign 134.654+/-0.312 χ^2/NDF: 14702.5/50

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 3.631+/-0.673 χ^2/NDF: 335.5/22

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.060+/-0.658 χ^2/NDF: 317.4/27

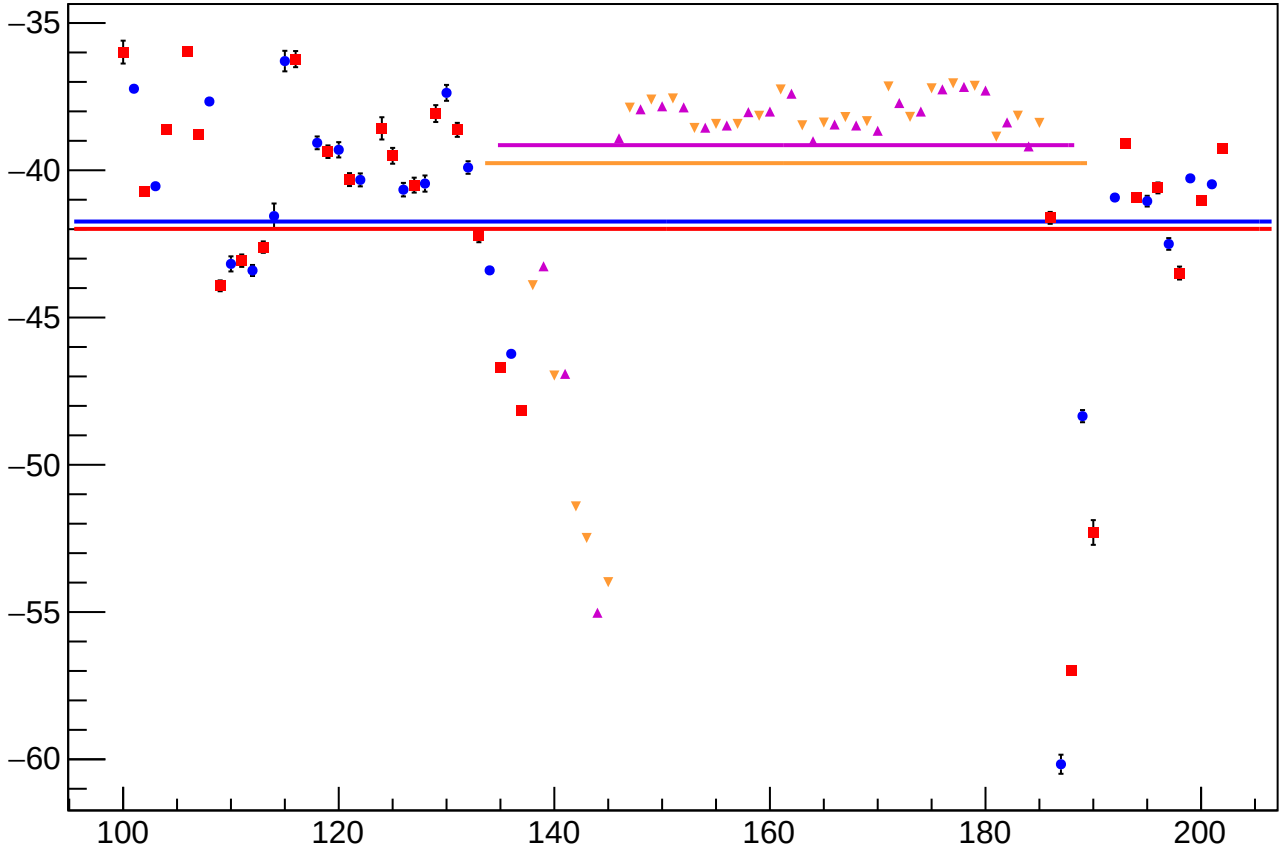
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 15.966+/-0.301 χ^2/NDF: 2301.5/47

All: 15.822+/-0.214 χ^2/NDF: 4241.9/98

- sign 15.672+/-0.306 χ^2/NDF: 1939.9/50

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.740+/-0.033 χ^2/NDF: 12418.2/22

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.990+/-0.033 χ^2/NDF: 19448.2/27

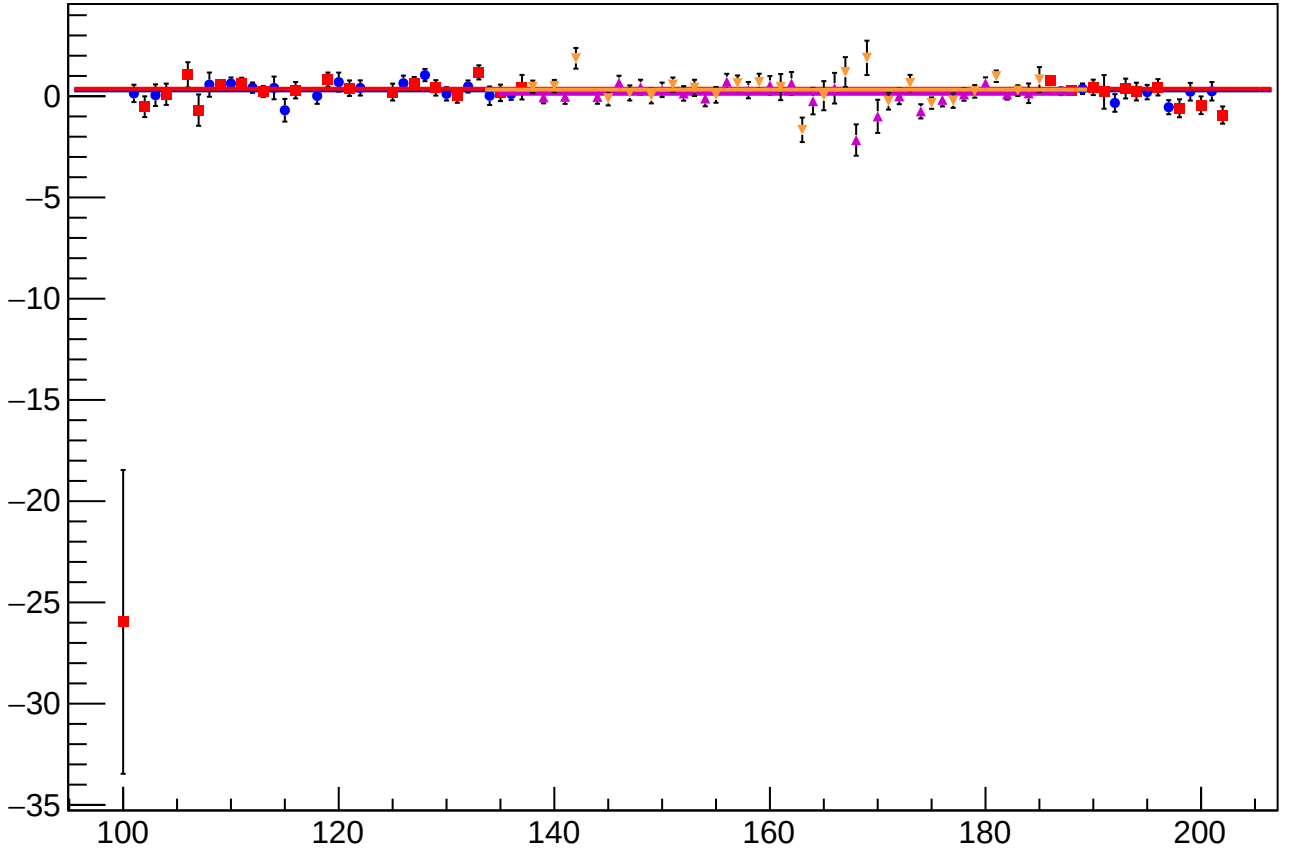
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.108+/-0.014 χ^2/NDF: 97191.4/47

All: -39.890+/-0.010 χ^2/NDF: 170124.2/98

- sign -39.669+/-0.014 χ^2/NDF: 72446.6/50

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.289+/-0.074 χ^2/NDF: 23.0/22

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.368+/-0.062 χ^2/NDF: 53.5/27

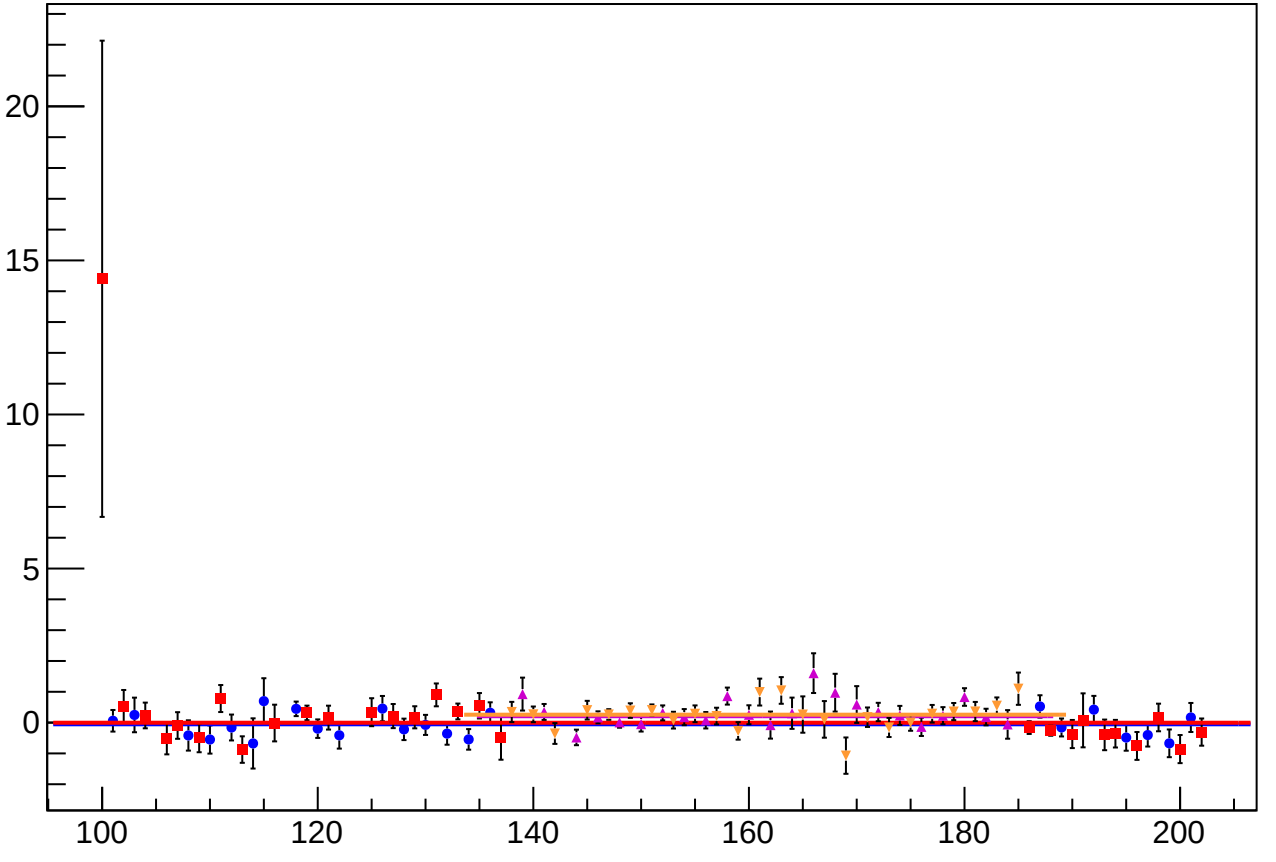
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.304+/-0.054 χ^2/NDF: 70.0/46

All: 0.287+/-0.036 χ^2/NDF: 159.6/97

- sign 0.273+/-0.049 χ^2/NDF: 89.5/50

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.055+/-0.079 χ^2/NDF: 22.8/22

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: -0.004+/-0.071 χ^2/NDF: 38.6/27

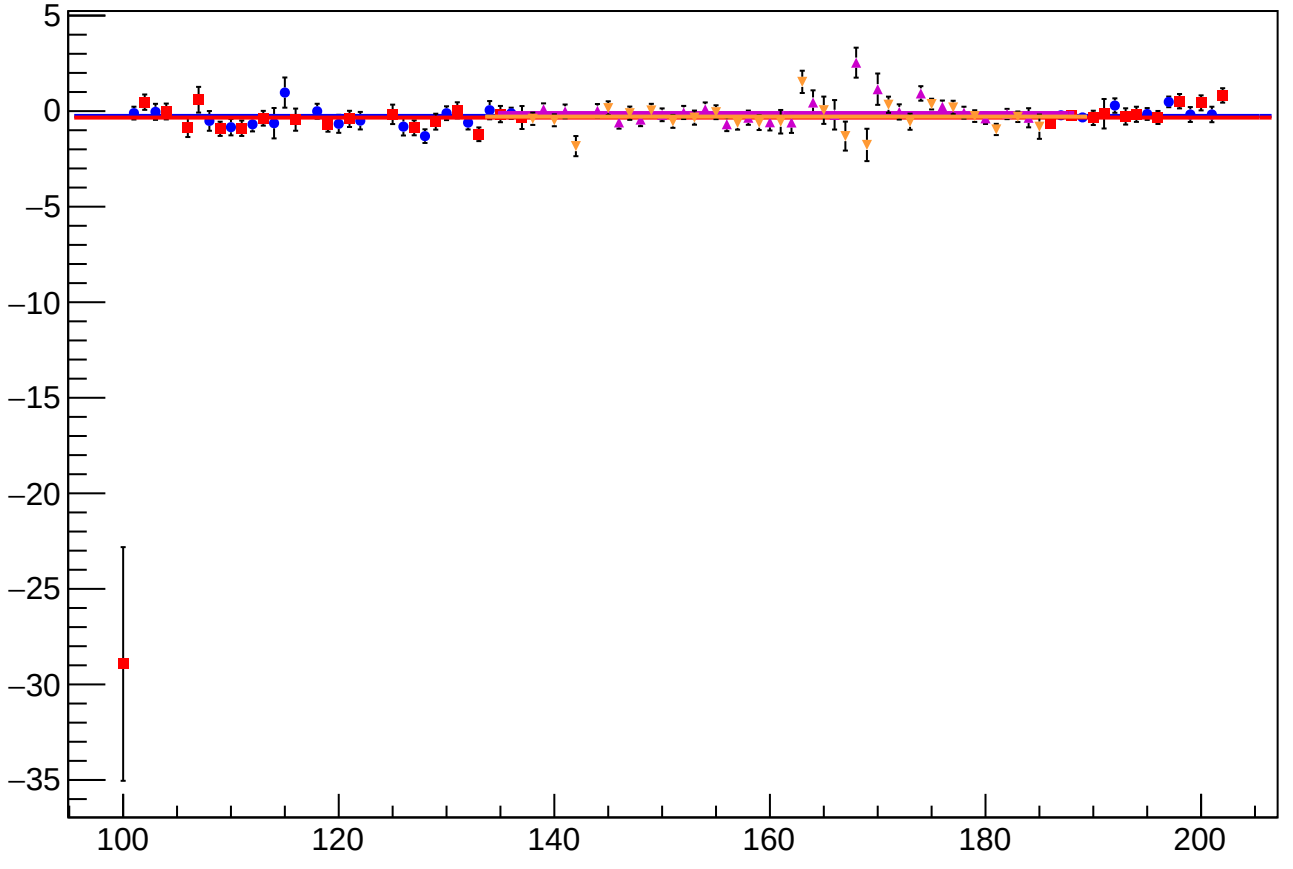
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.145+/-0.047 χ^2/NDF: 59.3/46

All: 0.131+/-0.033 χ^2/NDF: 135.1/97

- sign 0.118+/-0.046 χ^2/NDF: 75.6/50

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.251+/-0.073 χ^2/NDF: 29.4/22

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.338+/-0.059 χ^2/NDF: 68.5/27

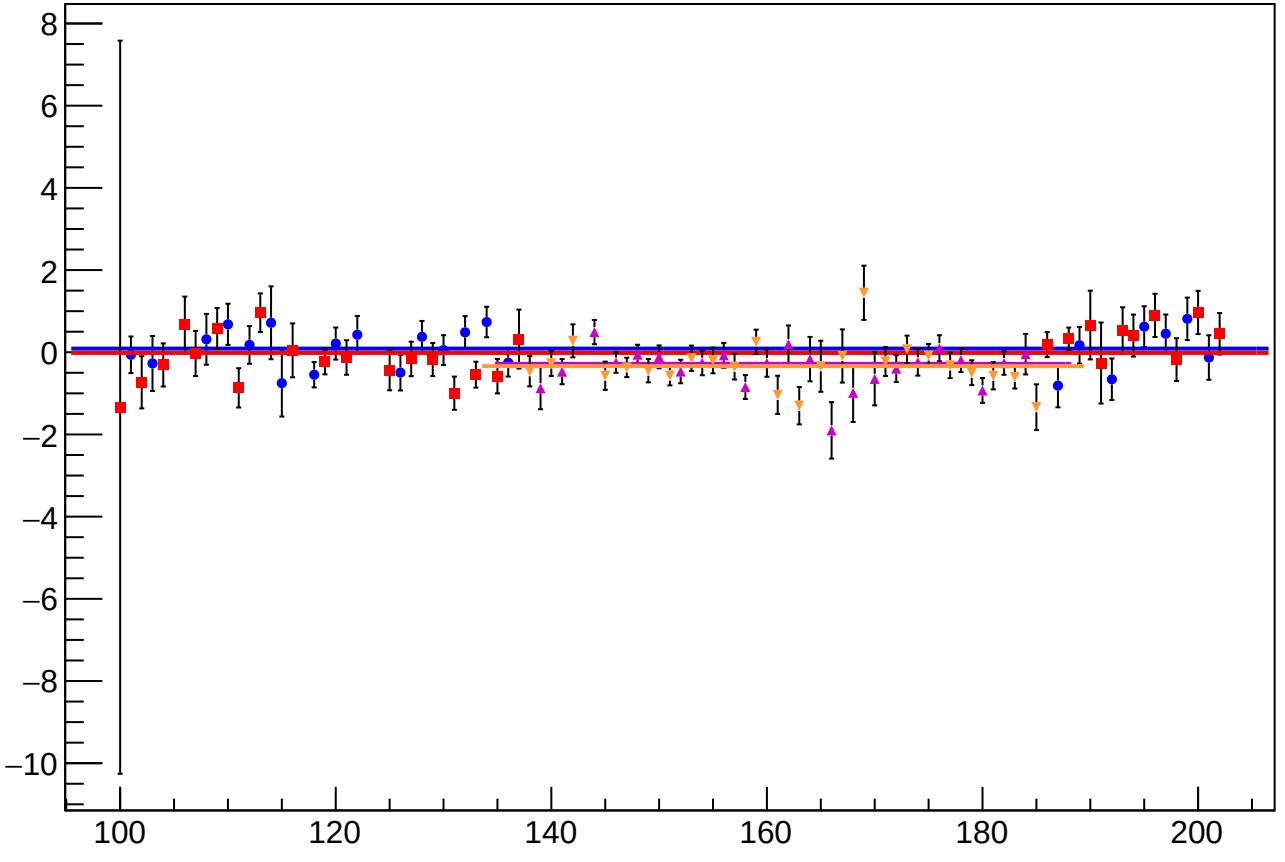
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.267+/-0.053 χ^2/NDF: 74.5/46

All: -0.259+/-0.035 χ^2/NDF: 182.2/97

- sign -0.252+/-0.047 χ^2/NDF: 107.7/50

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.089+/-0.094 χ^2/NDF: 24.9/22

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.016+/-0.087 χ^2/NDF: 35.6/27

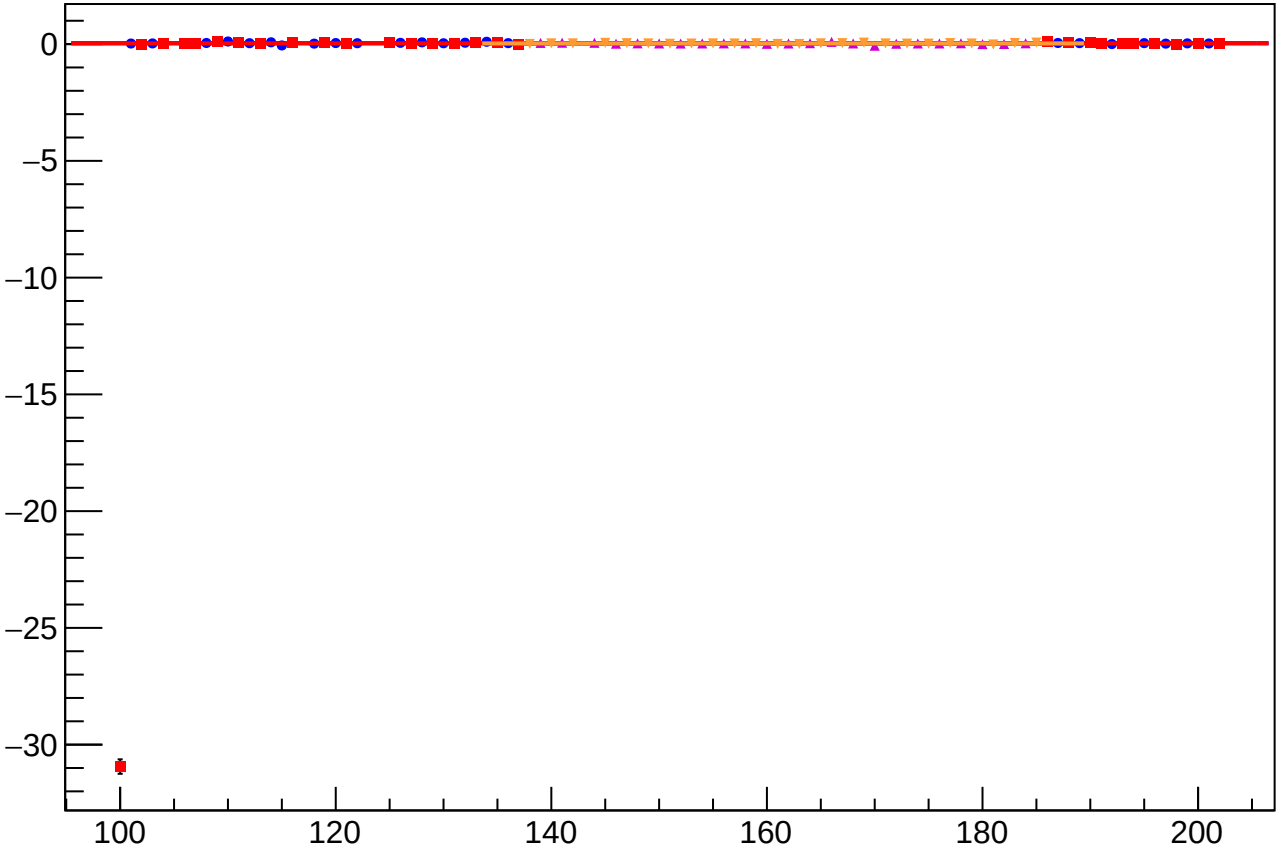
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.190+/-0.055 χ^2/NDF: 68.5/46

All: -0.185+/-0.039 χ^2/NDF: 138.7/97

- sign -0.180+/-0.054 χ^2/NDF: 70.3/50

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.039+/-0.004 χ^2/NDF: 28.8/22

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.032+/-0.004 χ^2/NDF: 10047.7/27

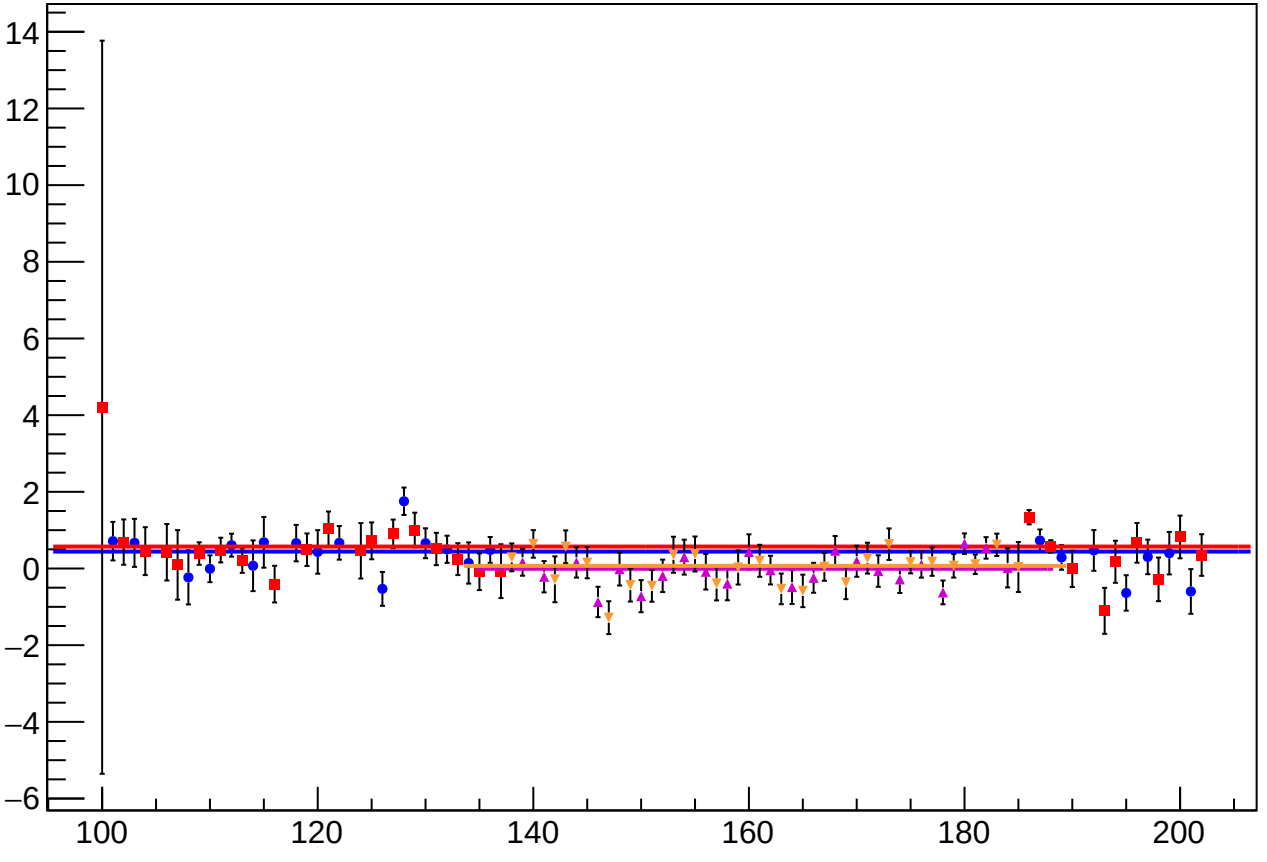
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.003 χ^2/NDF: 60.3/46

All: 0.031+/-0.002 χ^2/NDF: 10147.2/97

- sign 0.030+/-0.002 χ^2/NDF: 10086.9/50

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.442+/-0.089 χ^2/NDF: 33.1/22

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.572+/-0.074 χ^2/NDF: 42.1/27

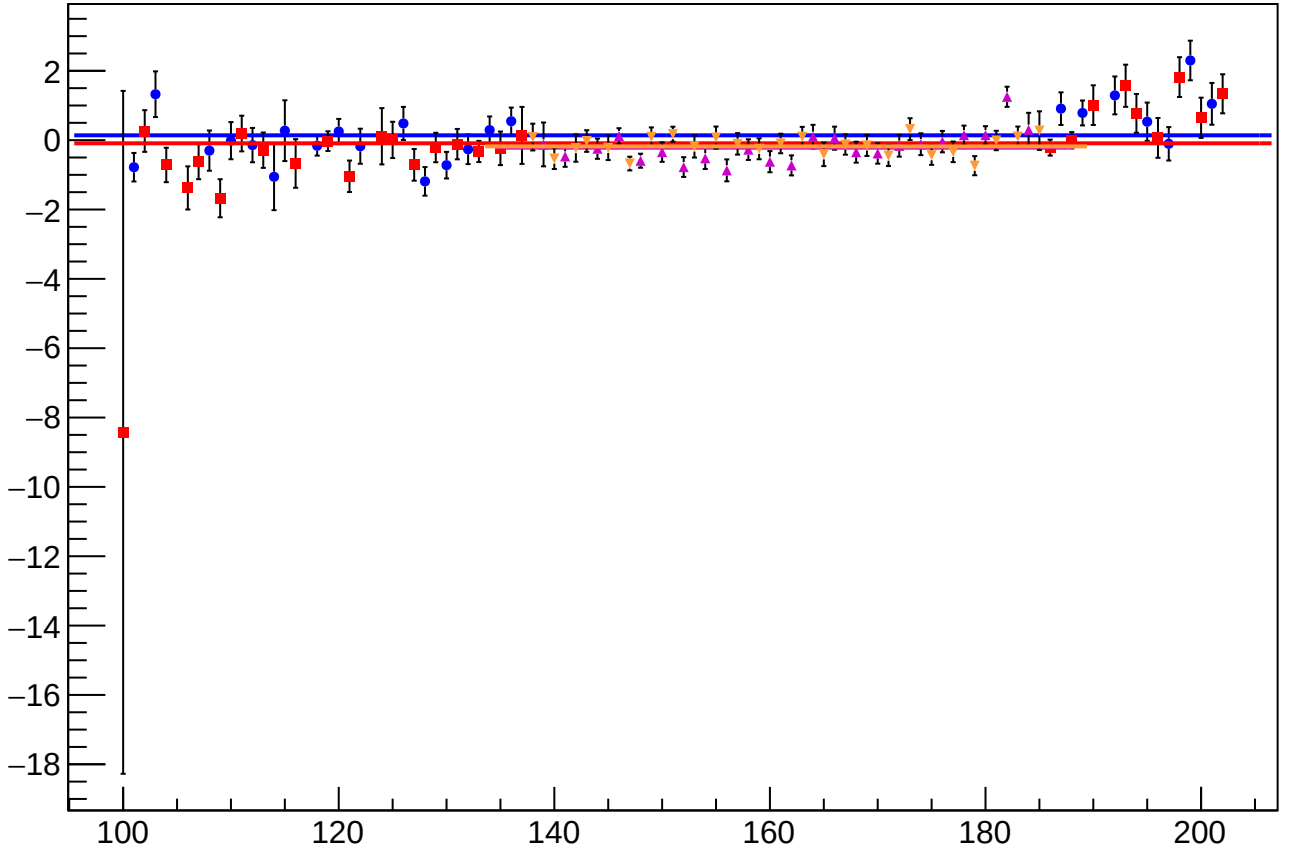
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

\+ sign 0.229+/-0.058 χ^2/NDF: 74.3/47

All: 0.268+/-0.040 χ^2/NDF: 174.0/98

\- sign 0.302+/-0.054 χ^2/NDF: 98.9/50

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.140+/-0.096 χ^2/NDF: 58.1/22

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.091+/-0.085 χ^2/NDF: 57.9/27

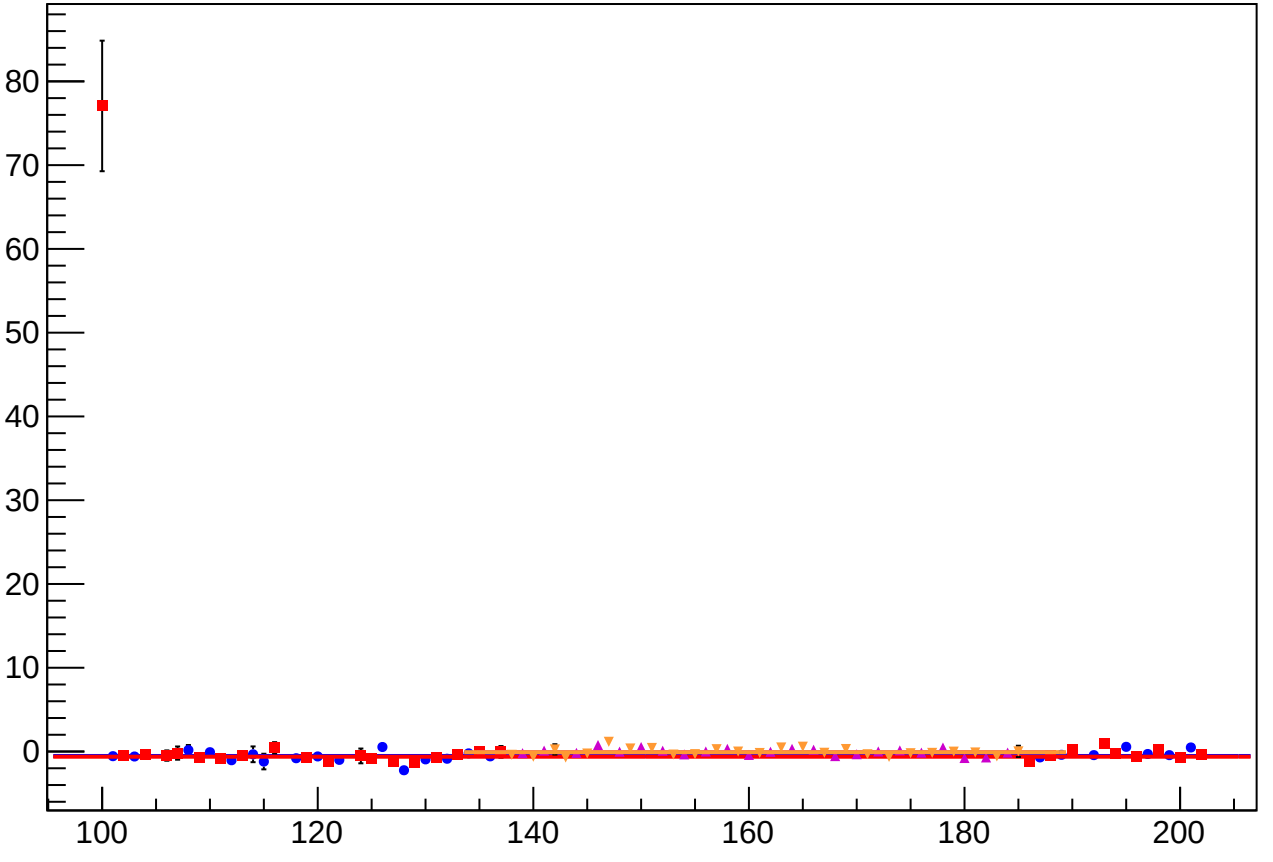
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.092+/-0.050 χ^2/NDF: 90.9/47

All: -0.132+/-0.035 χ^2/NDF: 205.1/98

- sign -0.172+/-0.050 χ^2/NDF: 112.9/50

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.533+/-0.089 χ^2/NDF: 39.7/22

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.620+/-0.071 χ^2/NDF: 140.3/27

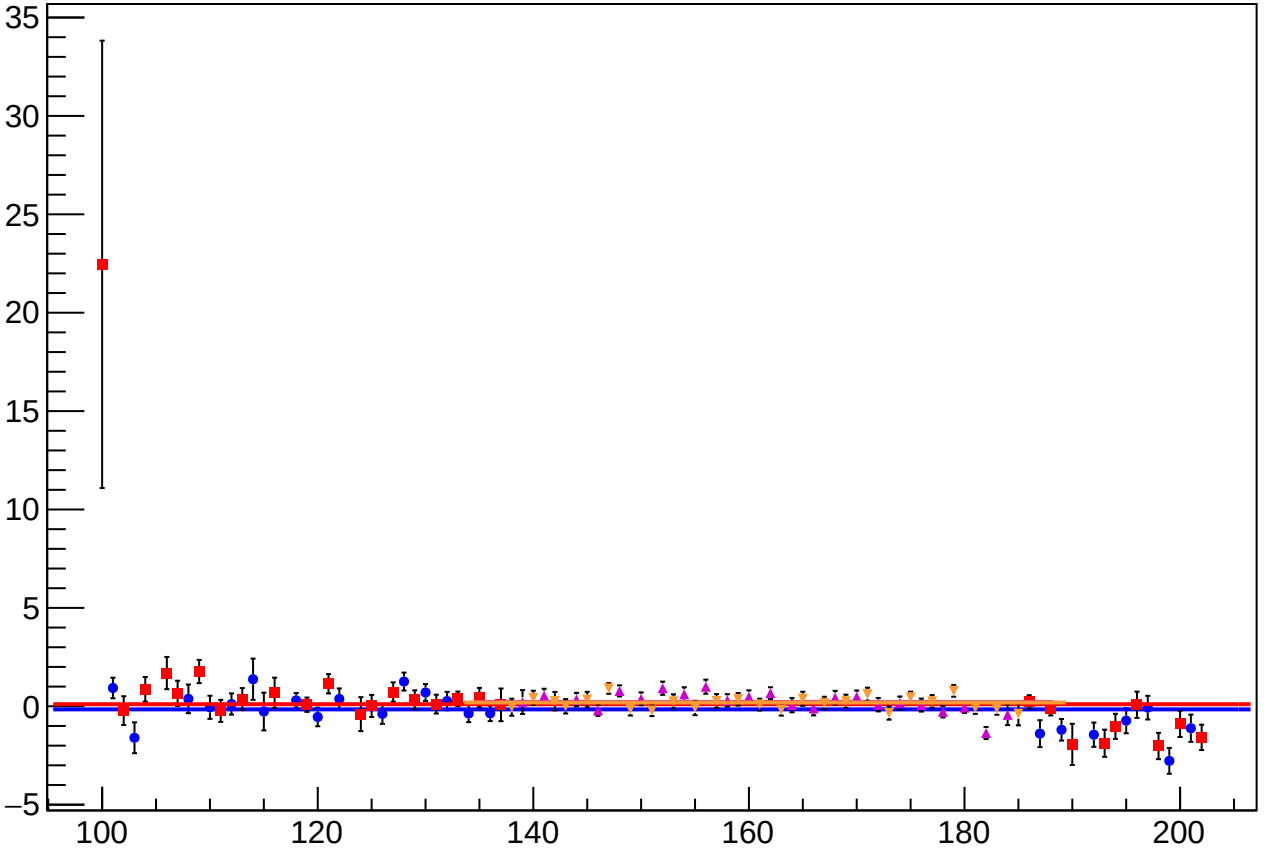
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.271+/-0.058 χ^2/NDF: 84.6/47

All: -0.329+/-0.039 χ^2/NDF: 281.6/98

- sign -0.377+/-0.053 χ^2/NDF: 195.1/50

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.157+/-0.113 χ^2/NDF: 58.7/22

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.105+/-0.104 χ^2/NDF: 61.6/27

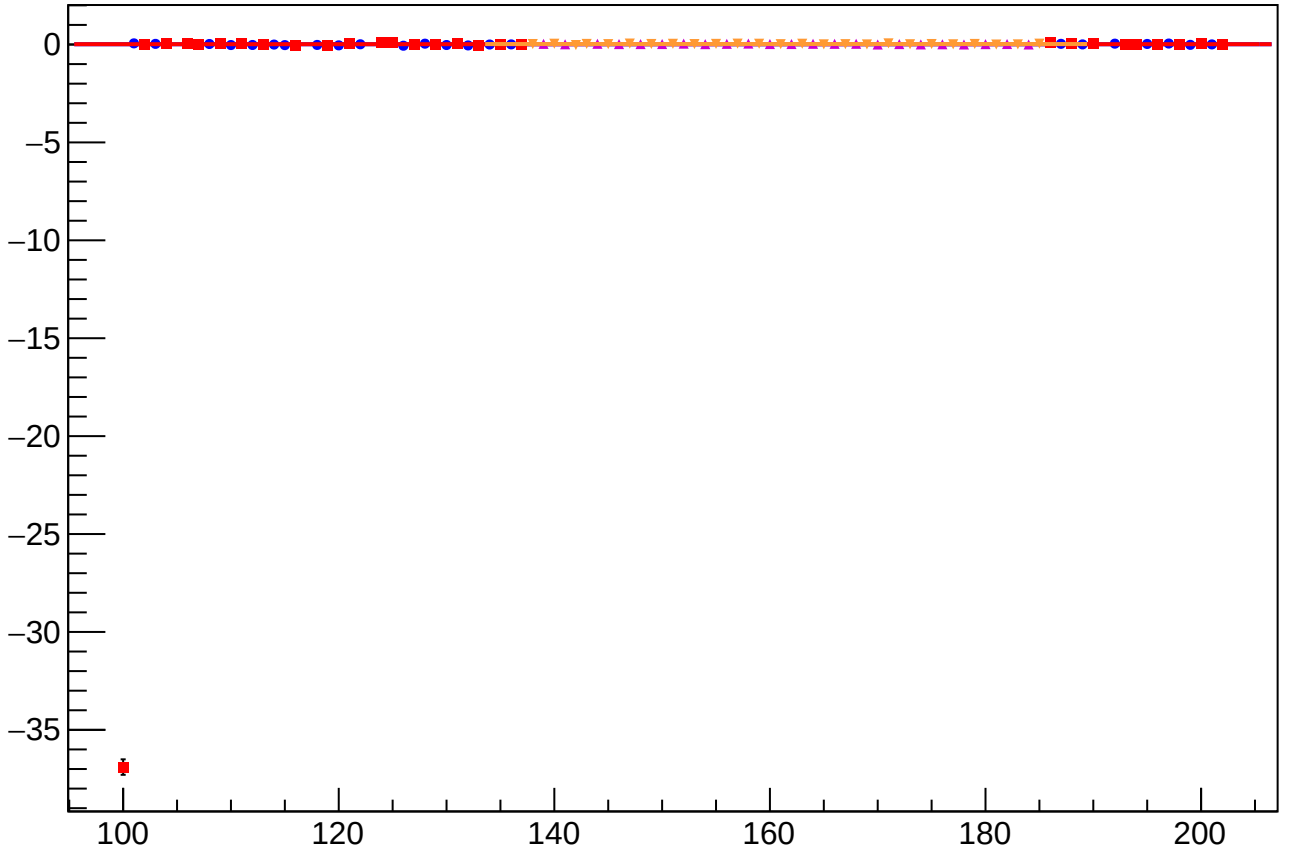
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.102+/-0.057 χ^2/NDF: 91.7/47

All: 0.142+/-0.041 χ^2/NDF: 210.2/98

- sign 0.181+/-0.058 χ^2/NDF: 117.5/50

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.005 χ^2/NDF: 27.8/22

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.016+/-0.005 χ^2/NDF: 8777.8/27

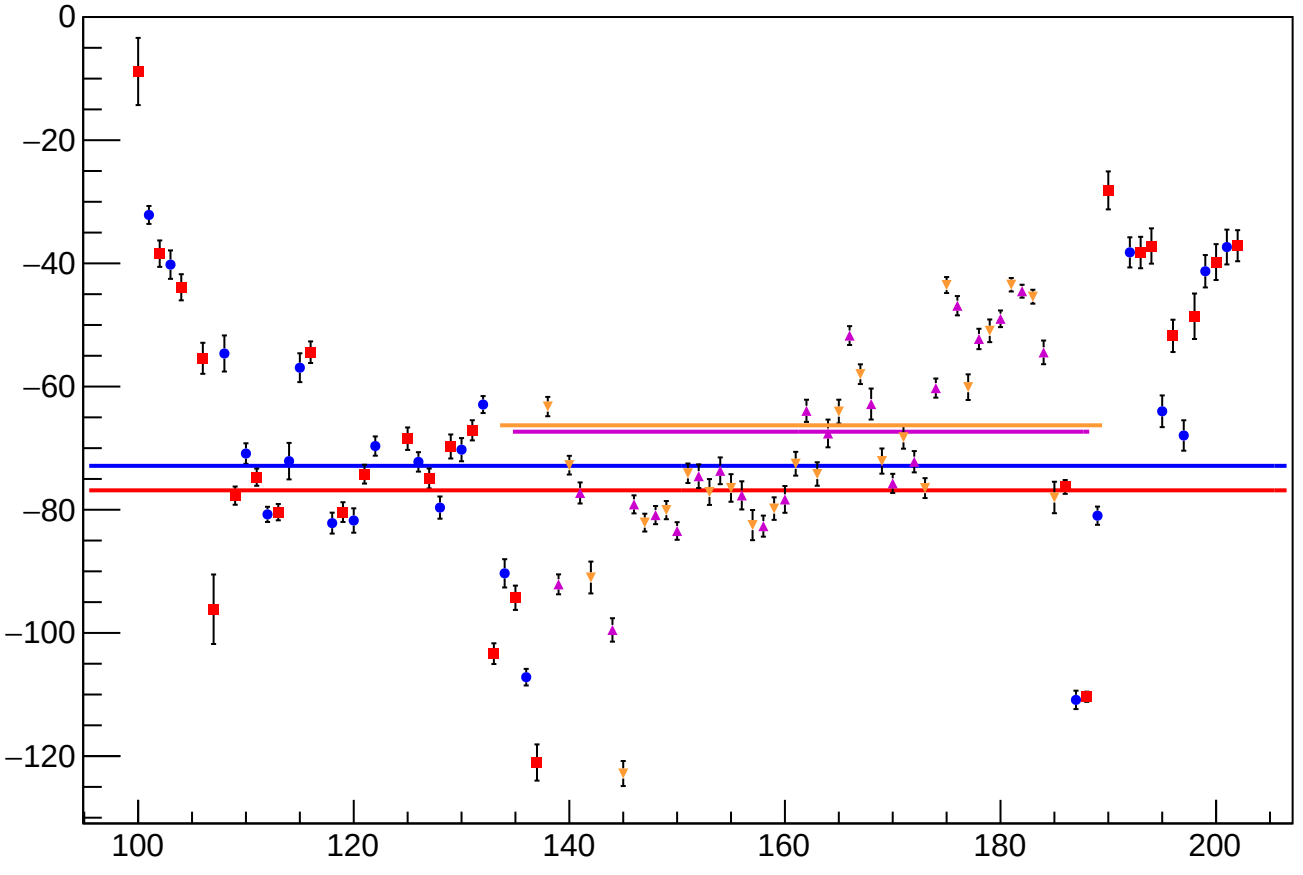
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.021+/-0.003 χ^2/NDF: 61.5/47

All: 0.022+/-0.002 χ^2/NDF: 8859.1/98

- sign 0.022+/-0.003 χ^2/NDF: 8797.6/50

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.871+/-0.378 χ^2/NDF: 3133.4/22

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.848+/-0.343 χ^2/NDF: 4476.3/26

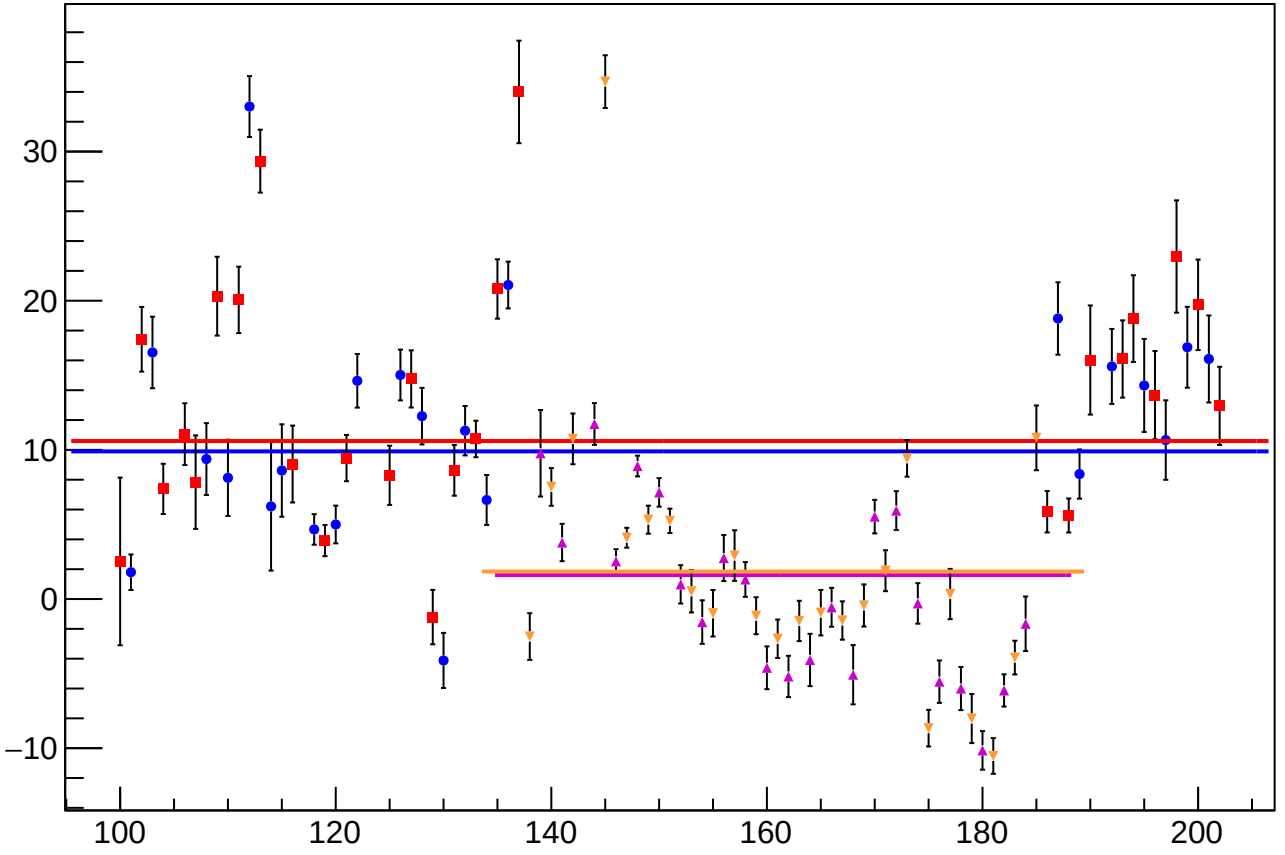
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.273+/-0.254 χ^2/NDF: 5850.0/46

All: -70.763+/-0.176 χ^2/NDF: 12877.8/96

- sign -72.125+/-0.243 χ^2/NDF: 6962.0/49

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.900+/-0.386 χ^2/NDF: 387.8/22

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.593+/-0.372 χ^2/NDF: 357.9/26

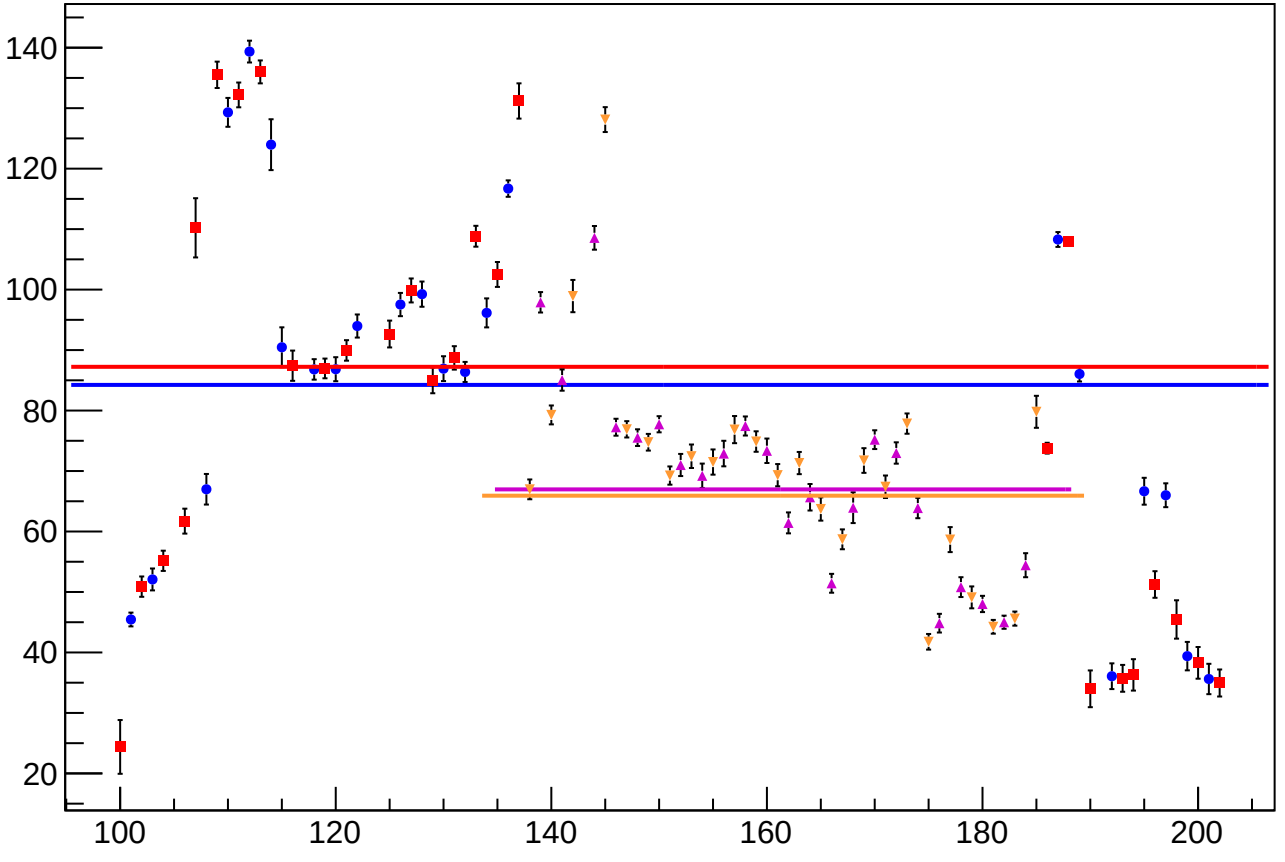
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.286+/-0.212 χ^2/NDF: 1473.4/46

All: 4.409+/-0.150 χ^2/NDF: 2722.6/96

- sign 4.532+/-0.212 χ^2/NDF: 1248.5/49

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 84.241+/-0.381 χ^2/NDF: 5415.1/22

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 87.232+/-0.335 χ^2/NDF: 7096.4/26

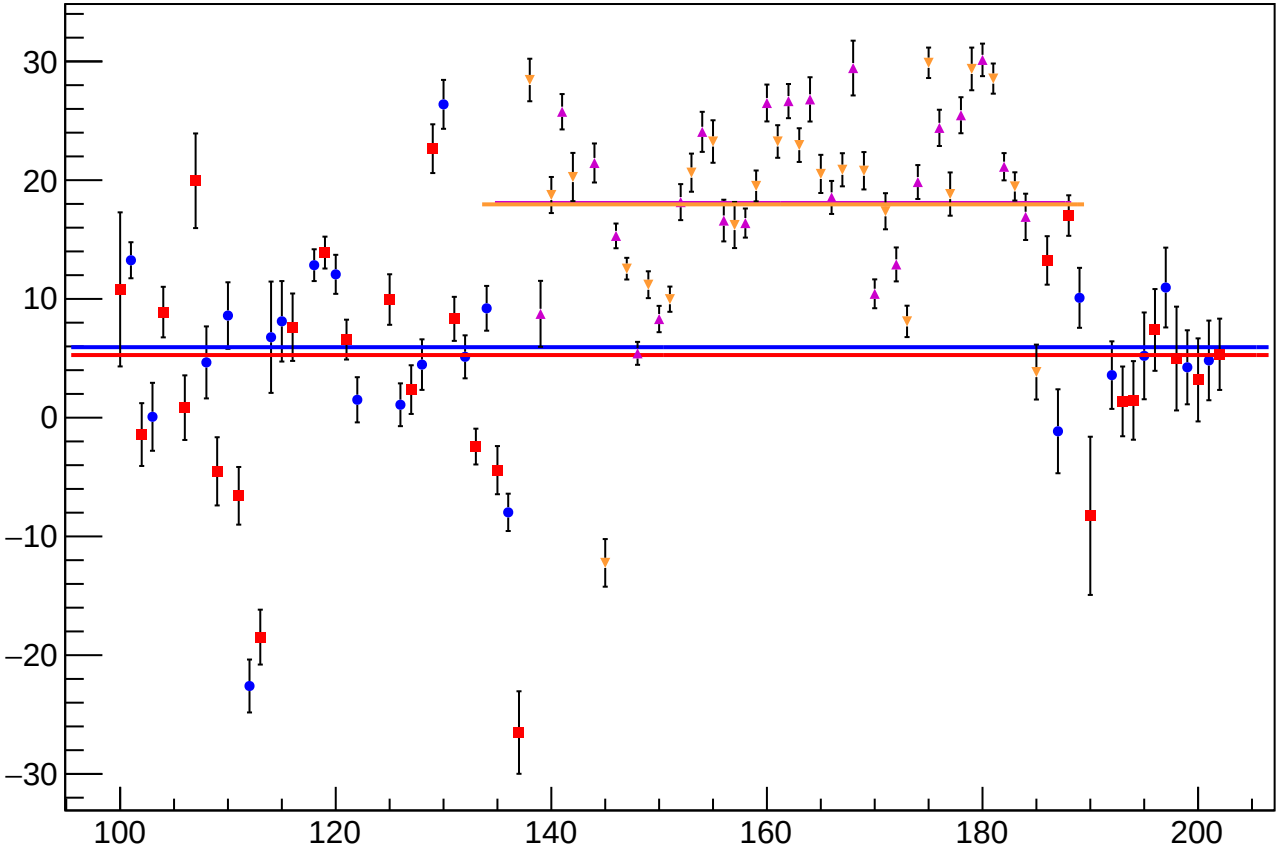
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 74.054+/-0.254 χ^2/NDF: 9255.3/46

All: 75.764+/-0.174 χ^2/NDF: 20454.4/96

- sign 77.280+/-0.239 χ^2/NDF: 11113.6/49

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.936+/-0.456 χ^2/NDF: 436.9/22

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.274+/-0.448 χ^2/NDF: 494.4/26

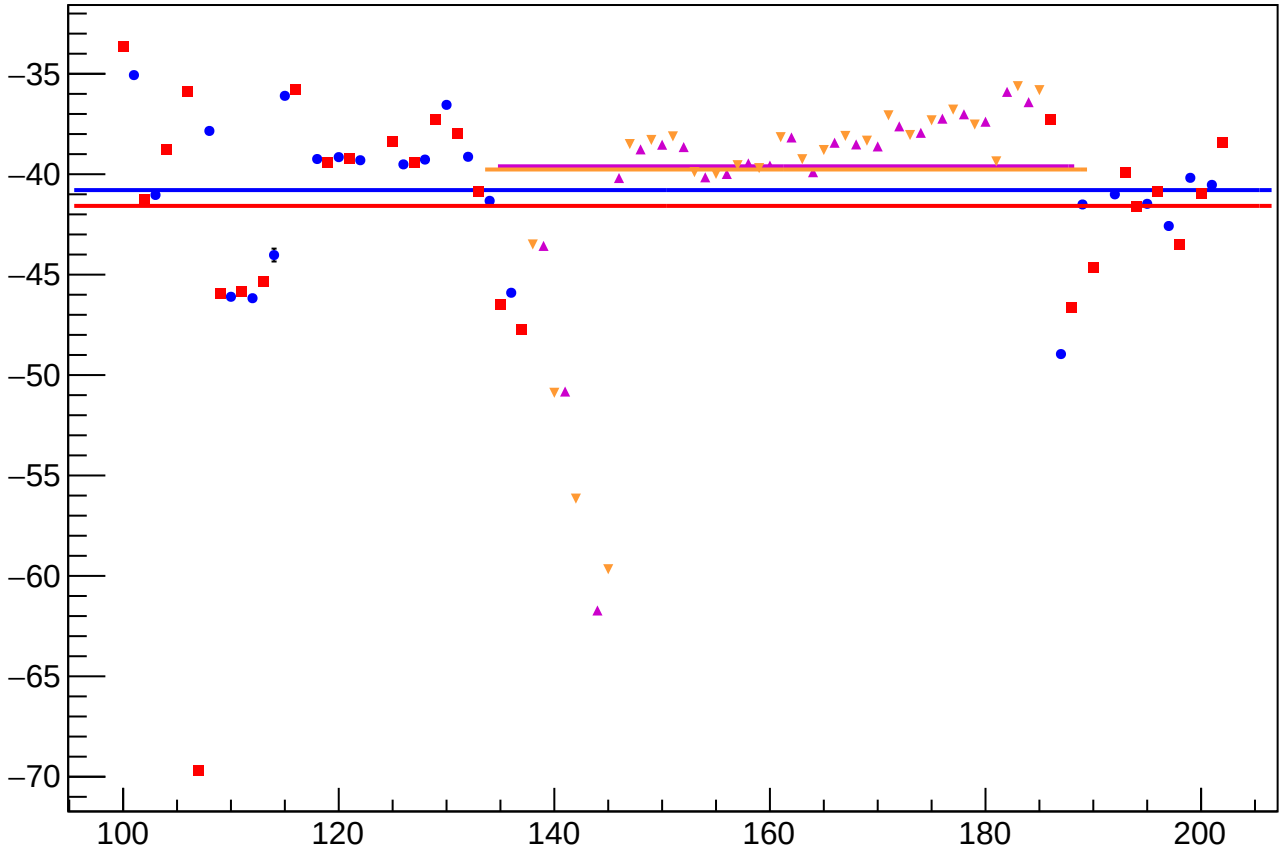
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.470+/-0.246 χ^2/NDF: 1661.8/46

All: 14.337+/-0.174 χ^2/NDF: 3332.8/96

- sign 14.203+/-0.246 χ^2/NDF: 1670.4/49

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.791+/-0.023 χ^2/NDF: 20326.7/22

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.578+/-0.023 χ^2/NDF: 43151.2/26

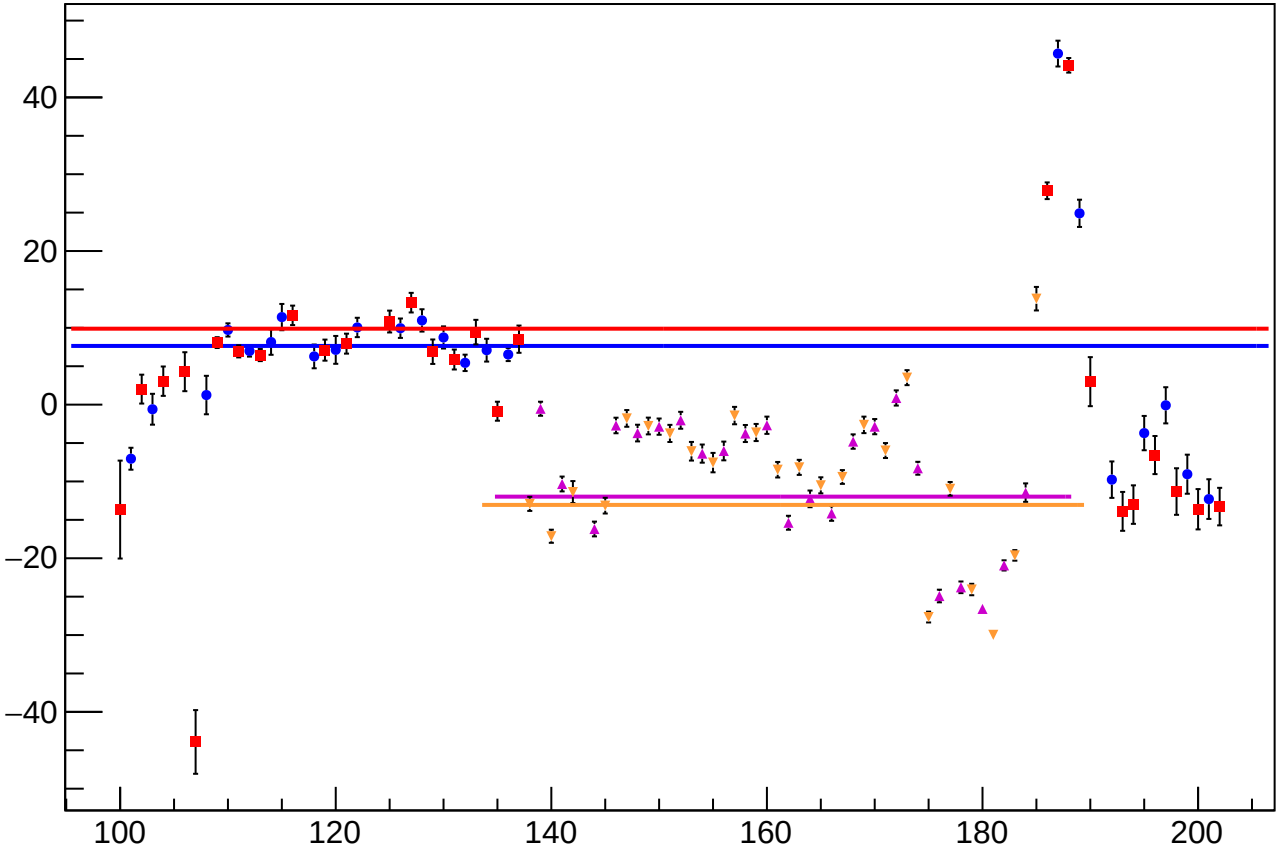
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -40.024+/-0.012 χ^2/NDF: 151686.7/46

All: -40.073+/-0.008 χ^2/NDF: 307182.1/96

- sign -40.121+/-0.011 χ^2/NDF: 155460.8/49

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.643+/-0.289 χ^2/NDF: 960.6/22

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.888+/-0.265 χ^2/NDF: 2375.3/26

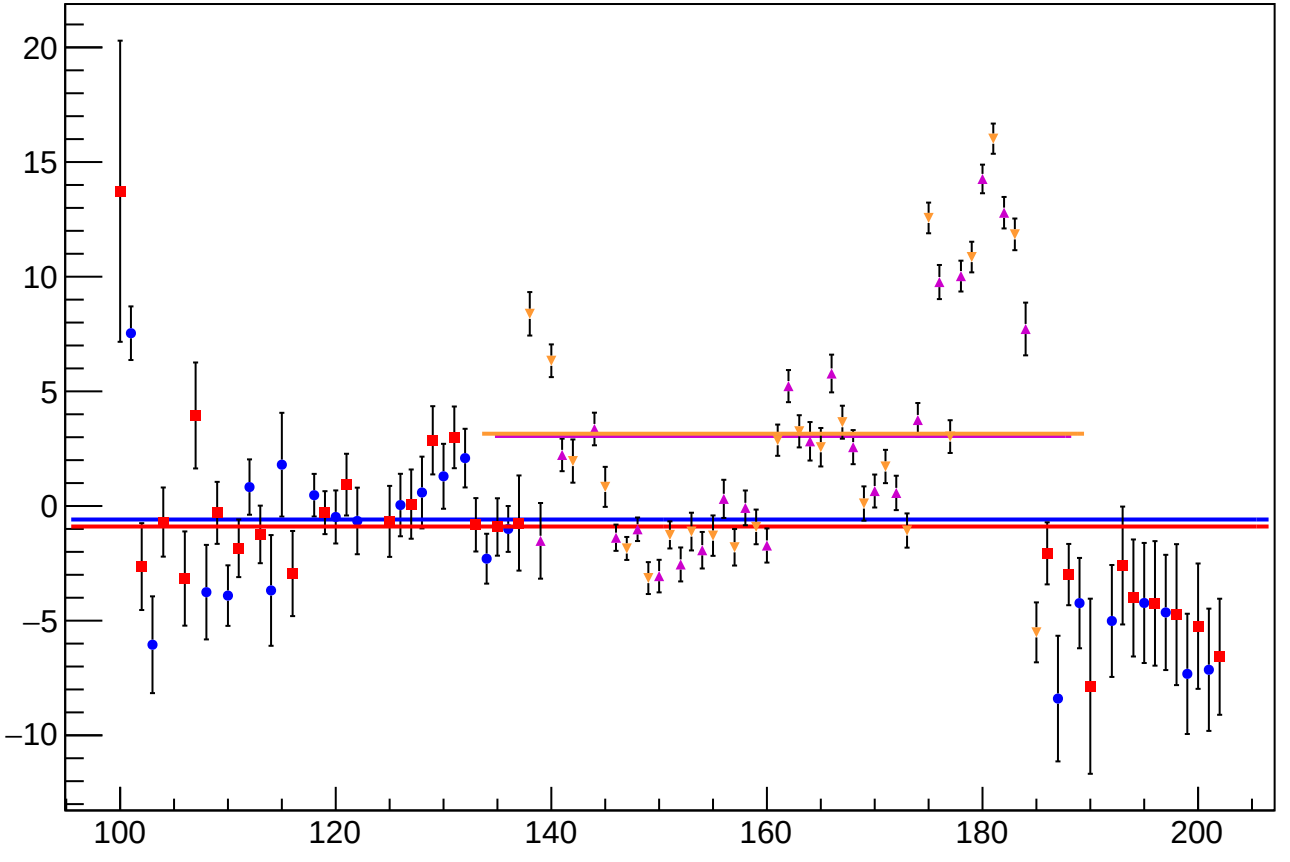
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.674+/-0.160 χ^2/NDF: 7382.1/46

All: -5.459+/-0.112 χ^2/NDF: 16447.8/96

- sign -4.287+/-0.157 χ^2/NDF: 8952.8/49

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.589+/-0.312 χ^2/NDF: 110.7/22

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.894+/-0.309 χ^2/NDF: 50.1/26

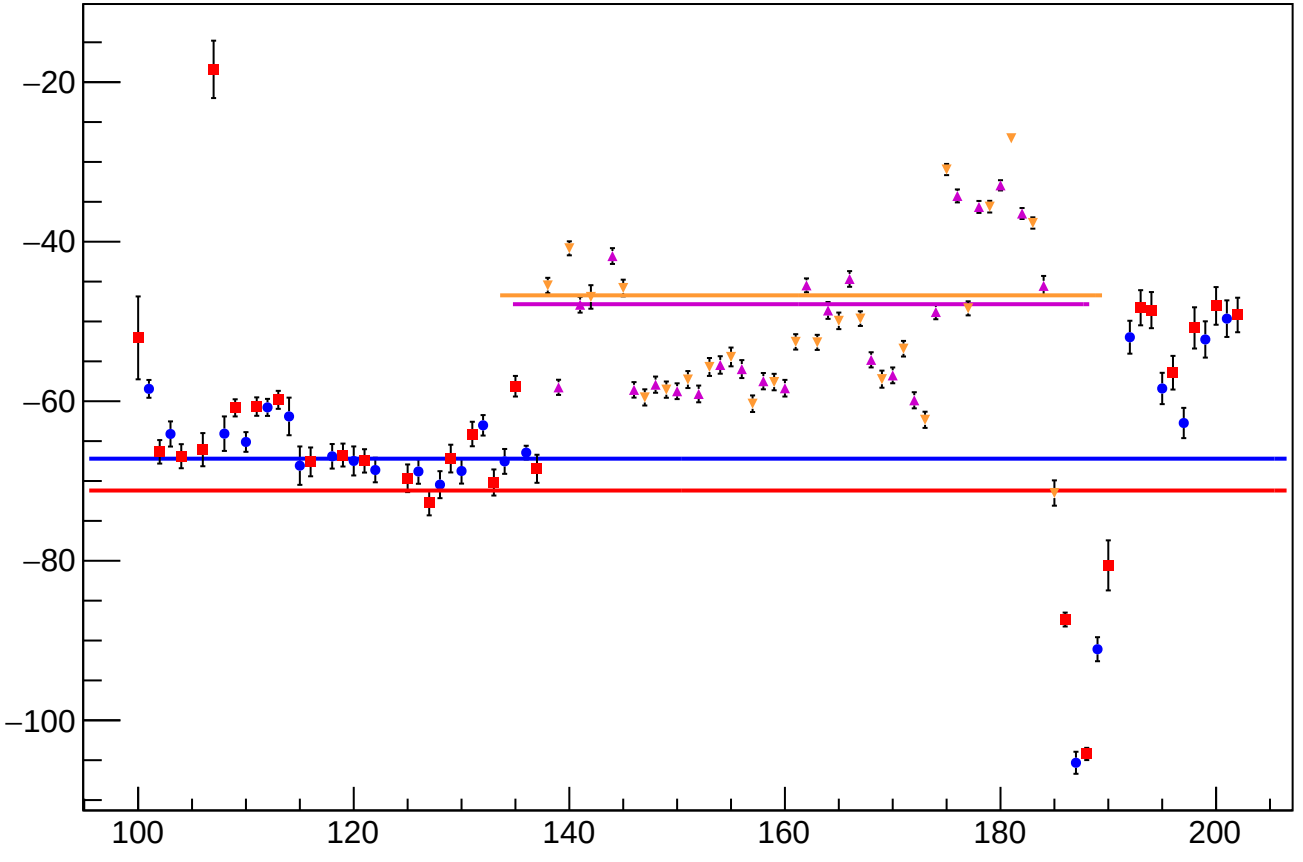
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.458+/-0.135 χ^2/NDF: 1612.6/46

All: 2.374+/-0.096 χ^2/NDF: 2939.7/96

- sign 2.287+/-0.136 χ^2/NDF: 1326.3/49

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -67.201+/-0.315 χ^2/NDF: 1324.4/22

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -71.193+/-0.289 χ^2/NDF: 3415.2/26

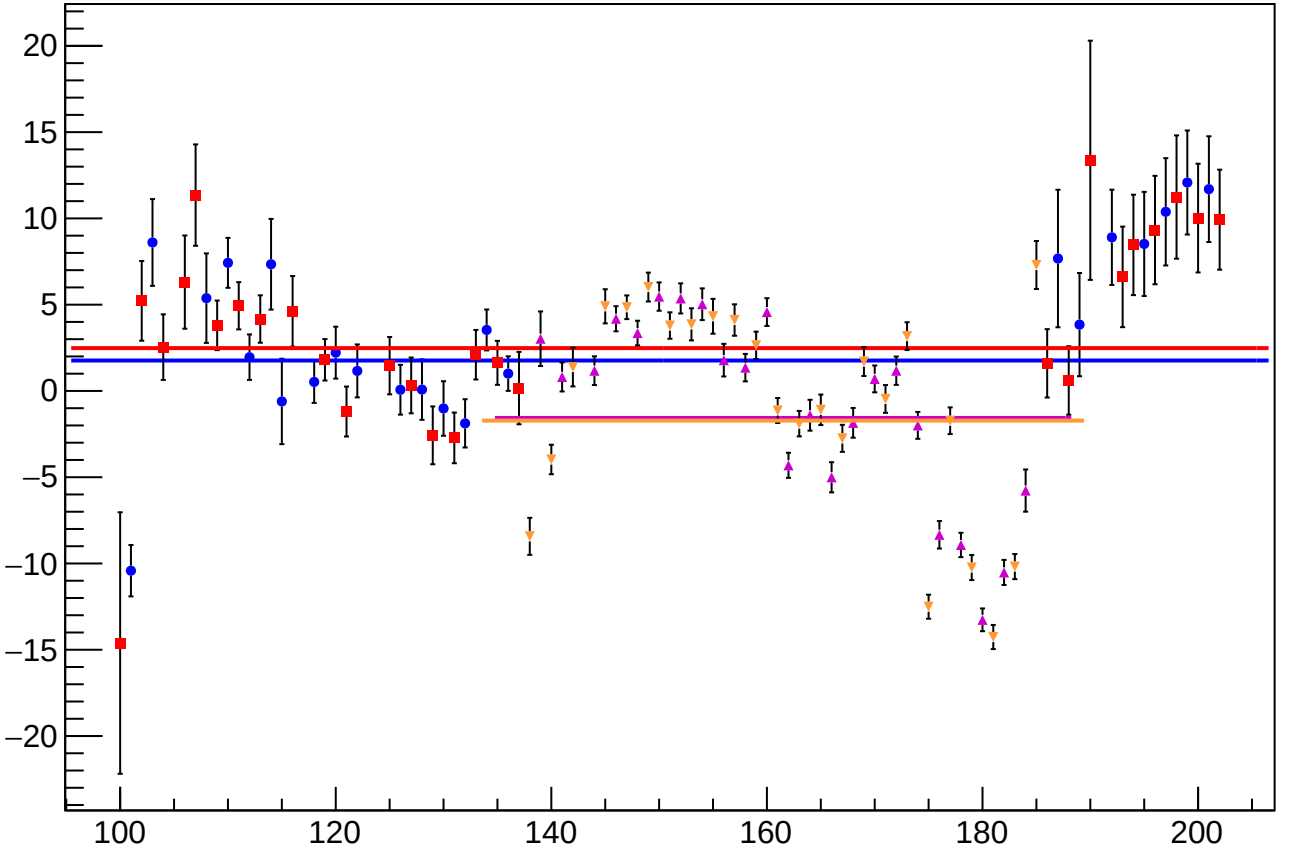
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.261+/-0.164 χ^2/NDF: 7860.5/46

All: -53.698+/-0.115 χ^2/NDF: 18494.3/96

- sign -55.089+/-0.161 χ^2/NDF: 10482.0/49

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.763+/-0.358 χ^2/NDF: 157.6/22

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.482+/-0.359 χ^2/NDF: 89.5/26

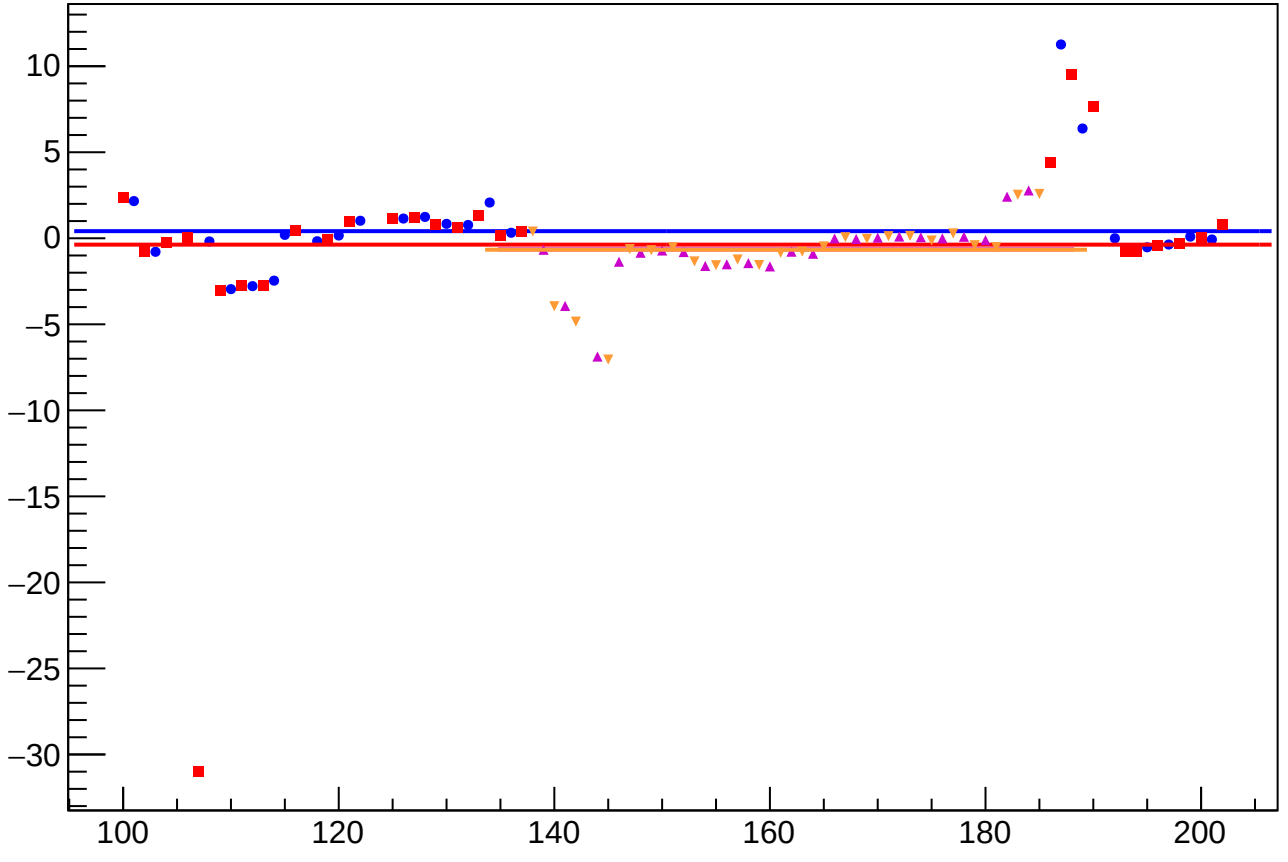
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.090+/-0.152 χ^2/NDF: 1641.4/46

All: -0.957+/-0.108 χ^2/NDF: 2953.8/96

- sign -0.821+/-0.154 χ^2/NDF: 1310.8/49

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.414+/-0.018 χ^2/NDF: 9664.3/22

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.370+/-0.018 χ^2/NDF: 60168.4/26

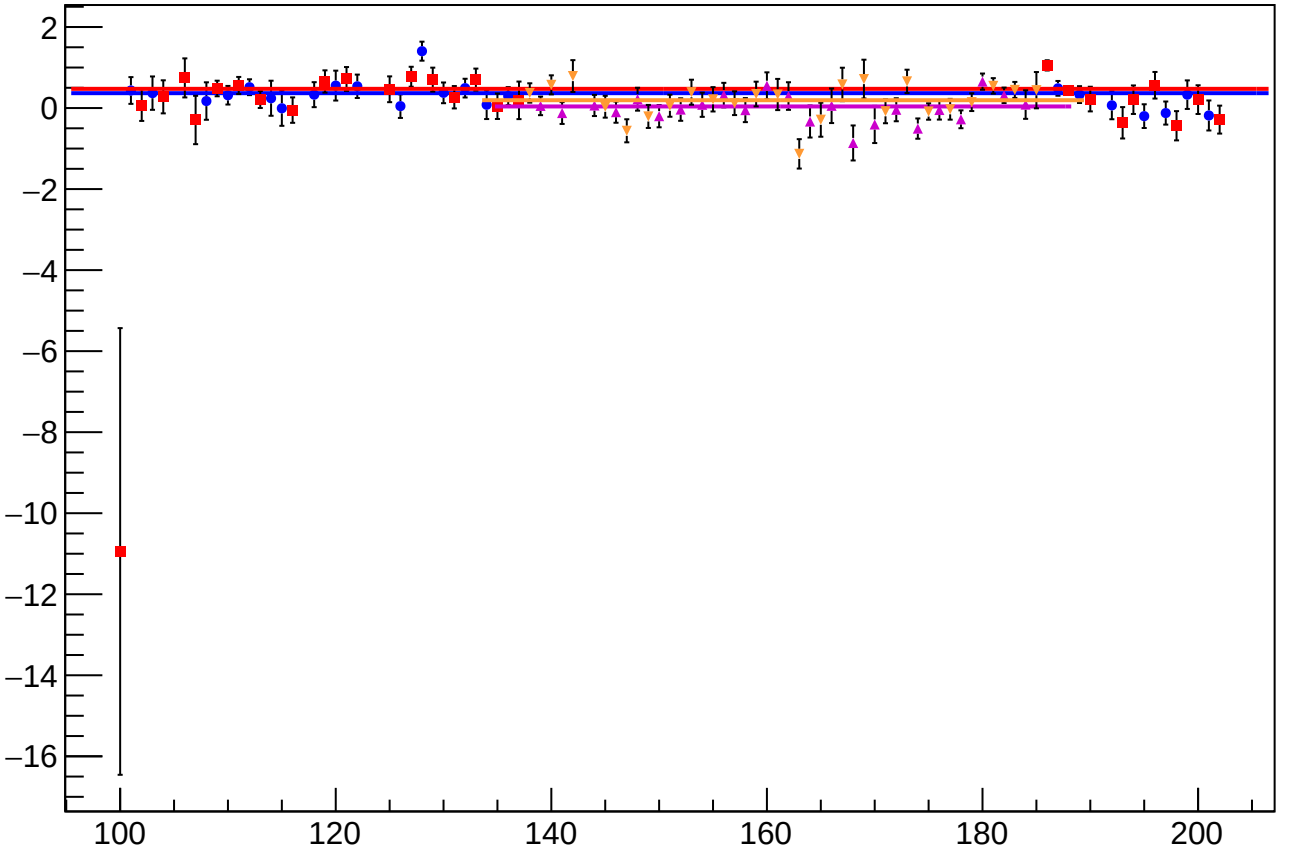
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.512+/-0.007 χ^2/NDF: 67886.4/46

All: -0.559+/-0.005 χ^2/NDF: 173907.9/96

- sign -0.607+/-0.007 χ^2/NDF: 105928.6/49

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.367+/-0.058 χ^2/NDF: 34.2/22

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.474+/-0.049 χ^2/NDF: 57.8/26

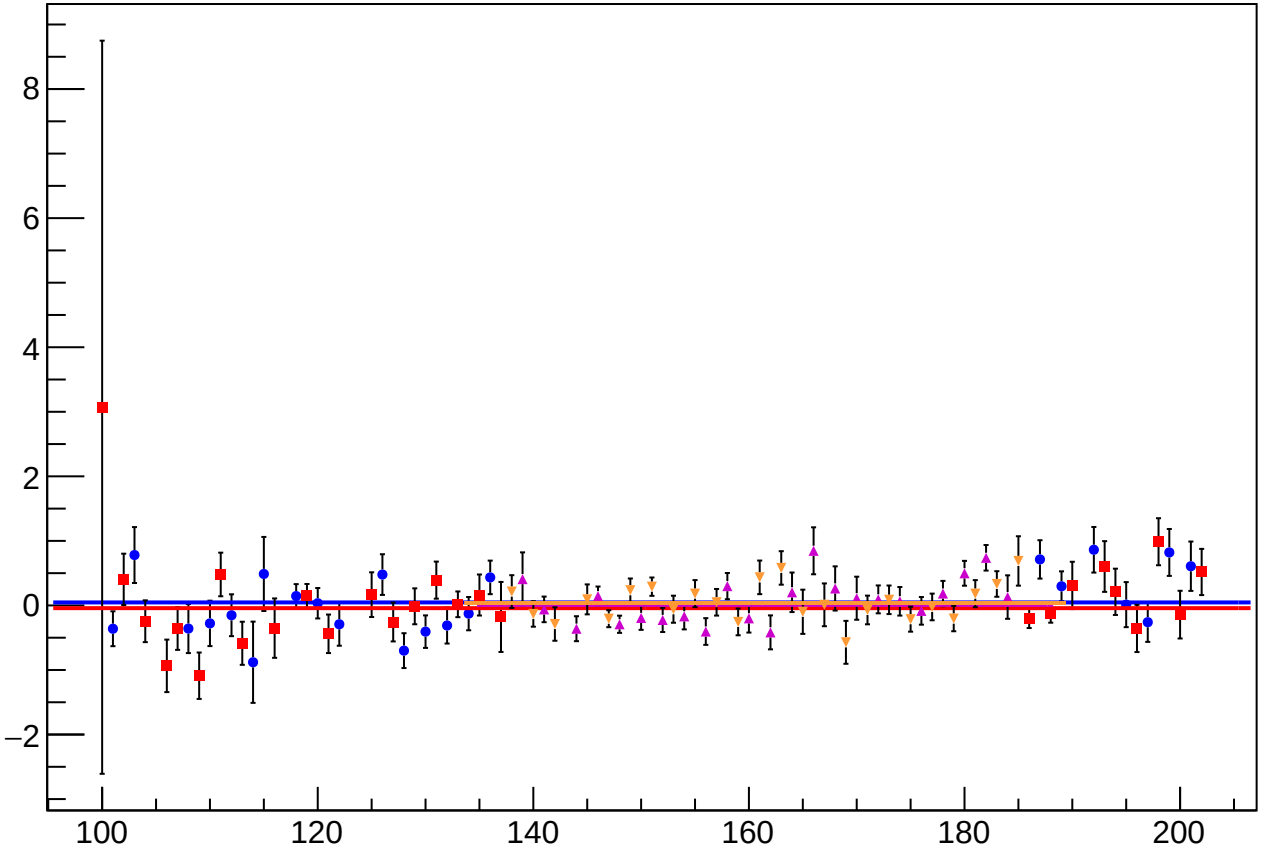
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.279+/-0.041 χ^2/NDF: 83.0/46

All: 0.286+/-0.027 χ^2/NDF: 204.5/96

- sign 0.293+/-0.037 χ^2/NDF: 121.5/49

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.047+/-0.062 χ^2/NDF: 47.9/22

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.042+/-0.056 χ^2/NDF: 44.8/26

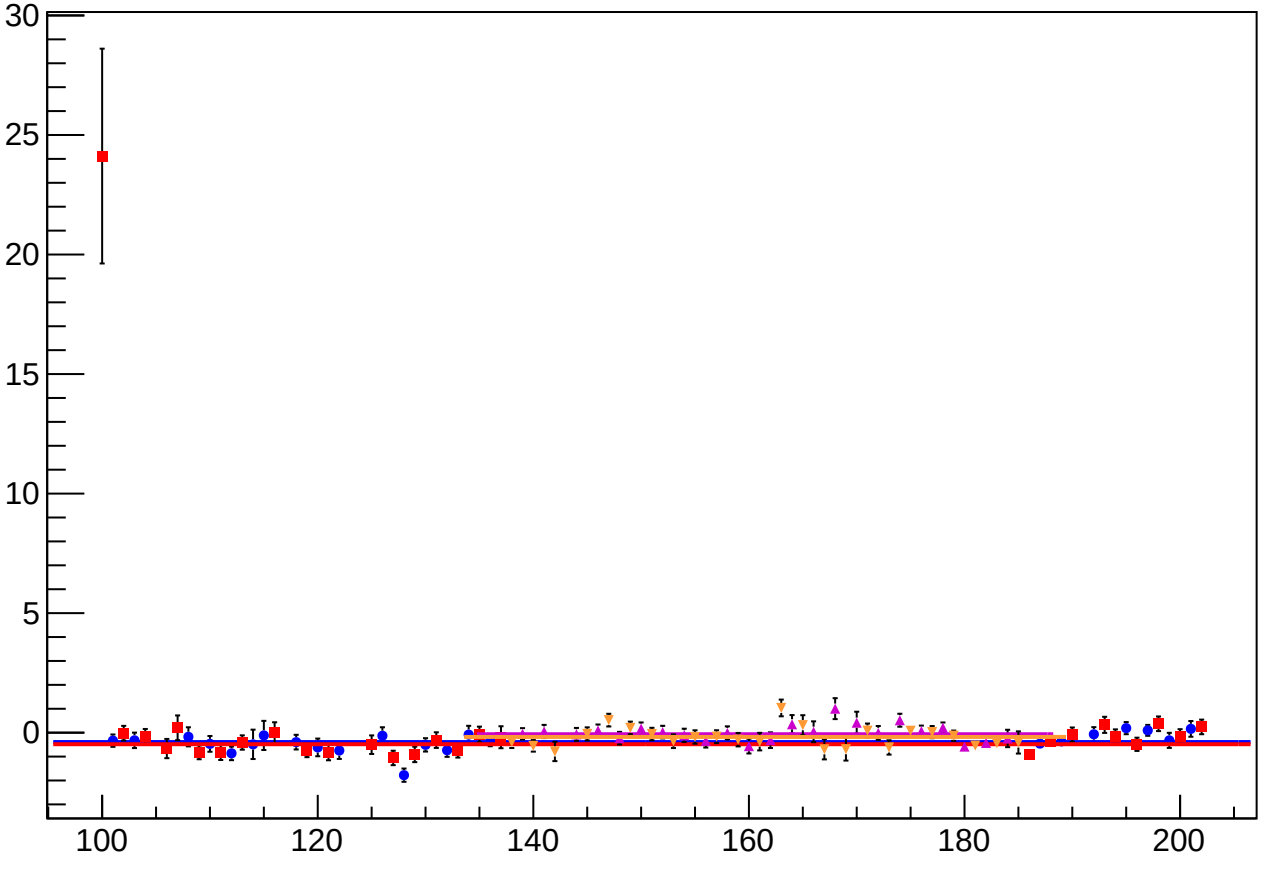
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.041+/-0.036 χ^2/NDF: 80.7/46

All: 0.014+/-0.025 χ^2/NDF: 178.5/96

- sign -0.011+/-0.035 χ^2/NDF: 96.7/49

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.393+/-0.058 χ^2/NDF: 46.8/22

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.483+/-0.046 χ^2/NDF: 90.2/26

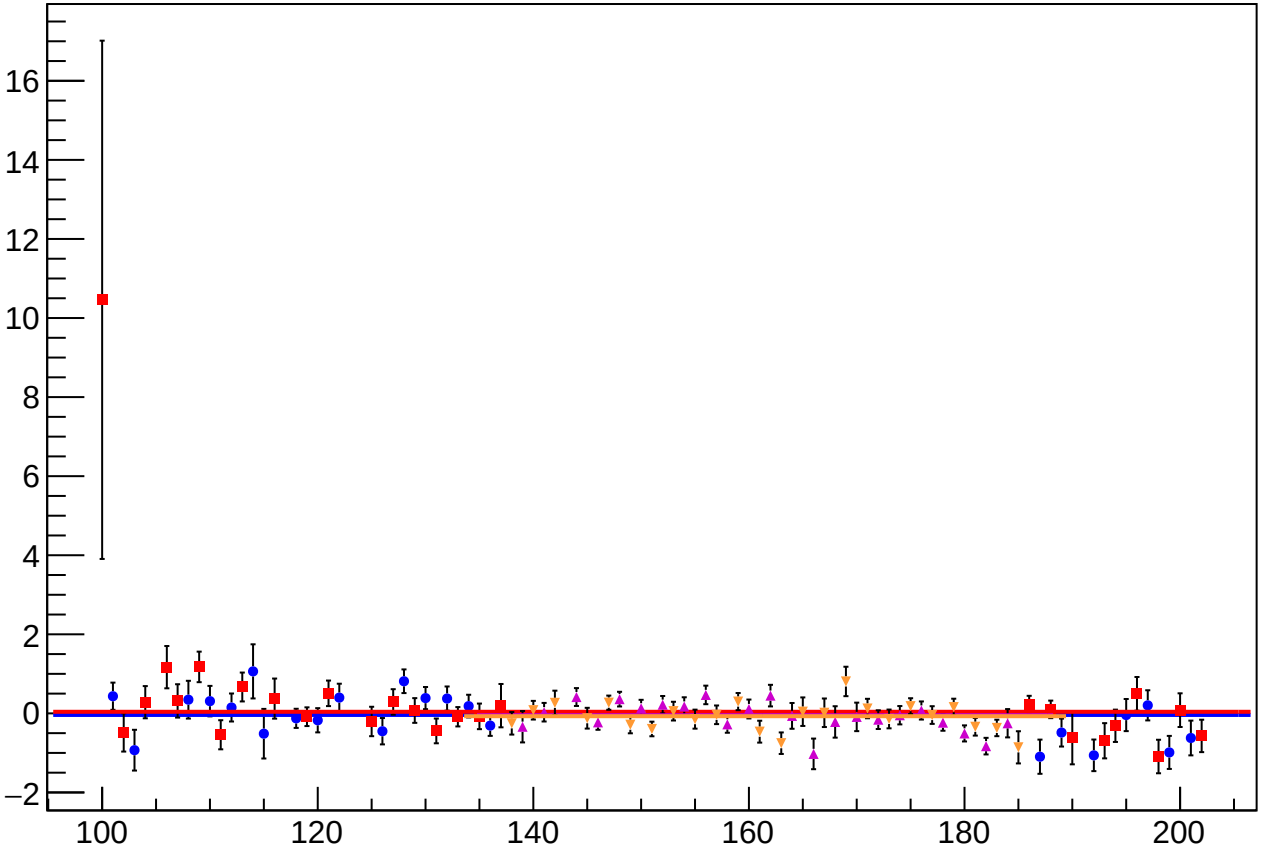
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.283+/-0.040 χ^2/NDF: 96.0/46

All: -0.302+/-0.027 χ^2/NDF: 250.4/96

- sign -0.317+/-0.036 χ^2/NDF: 154.0/49

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.040+/-0.073 χ^2/NDF: 48.6/22

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.040+/-0.068 χ^2/NDF: 45.3/26

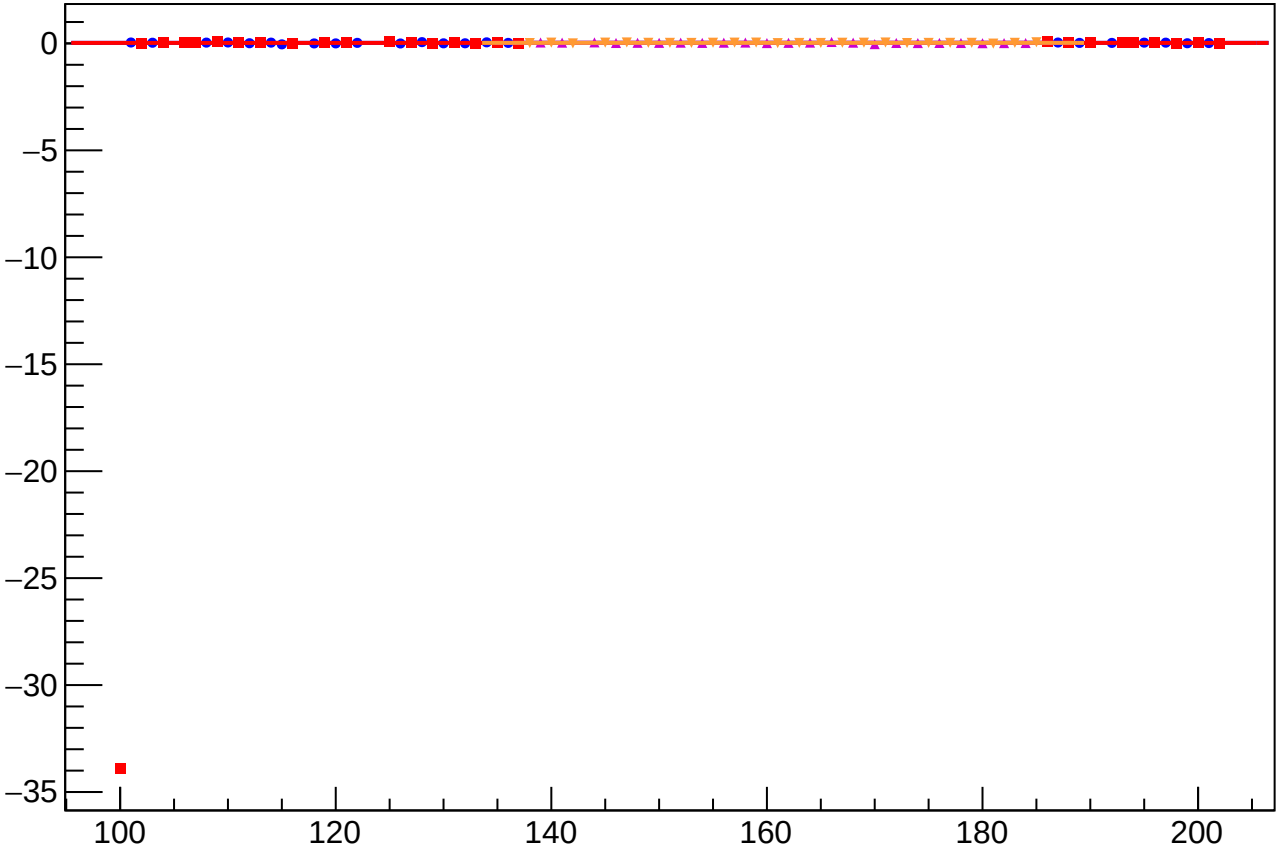
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.062+/-0.041 χ^2/NDF: 86.4/46

All: -0.039+/-0.029 χ^2/NDF: 183.8/96

- sign -0.017+/-0.040 χ^2/NDF: 96.8/49

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.026+/-0.004 χ^2/NDF: 19.2/22

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.023+/-0.003 χ^2/NDF: 22308.2/26

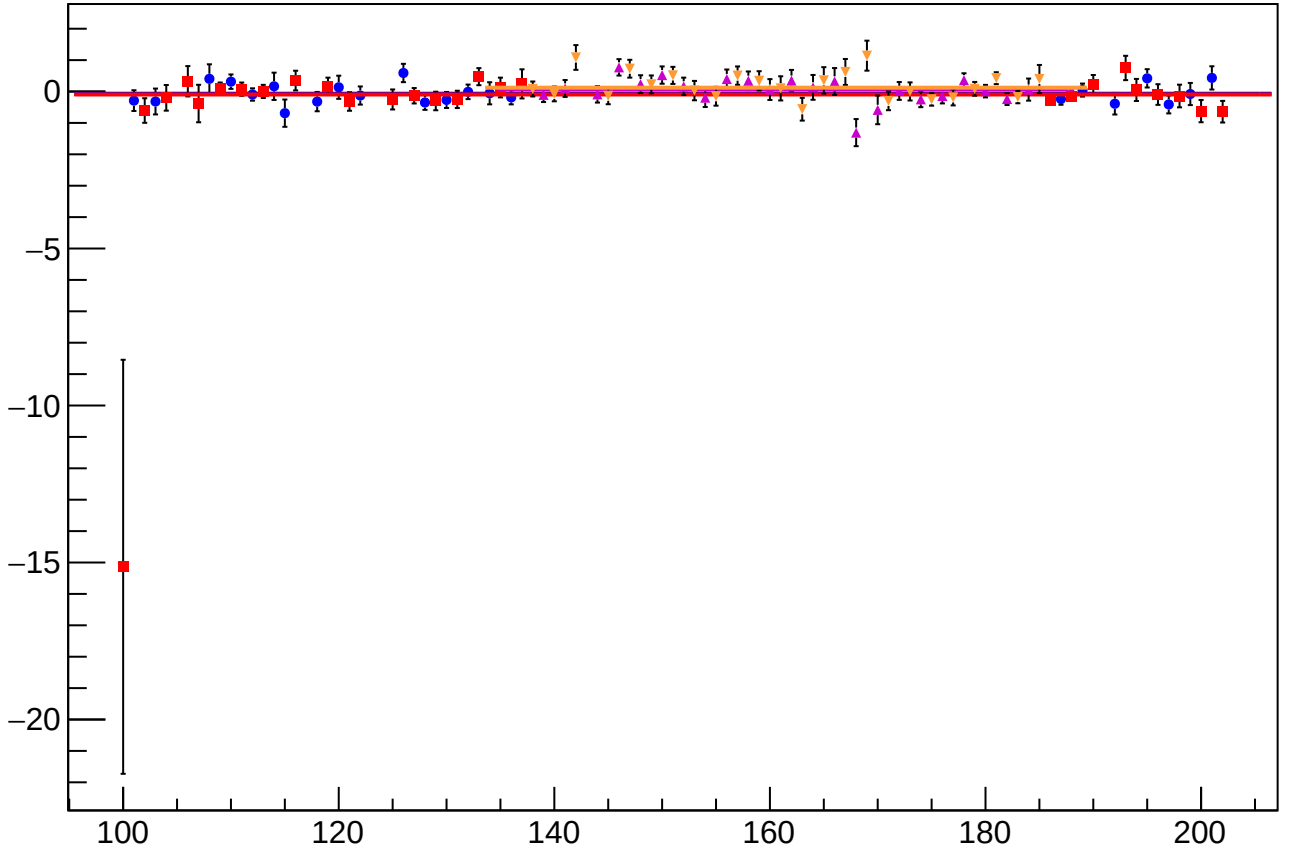
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 50.6/46

All: 0.026+/-0.001 χ^2/NDF: 22399.2/96

- sign 0.025+/-0.002 χ^2/NDF: 22348.4/49

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.058 χ^2/NDF: 23.7/22

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.094+/-0.049 χ^2/NDF: 33.5/26

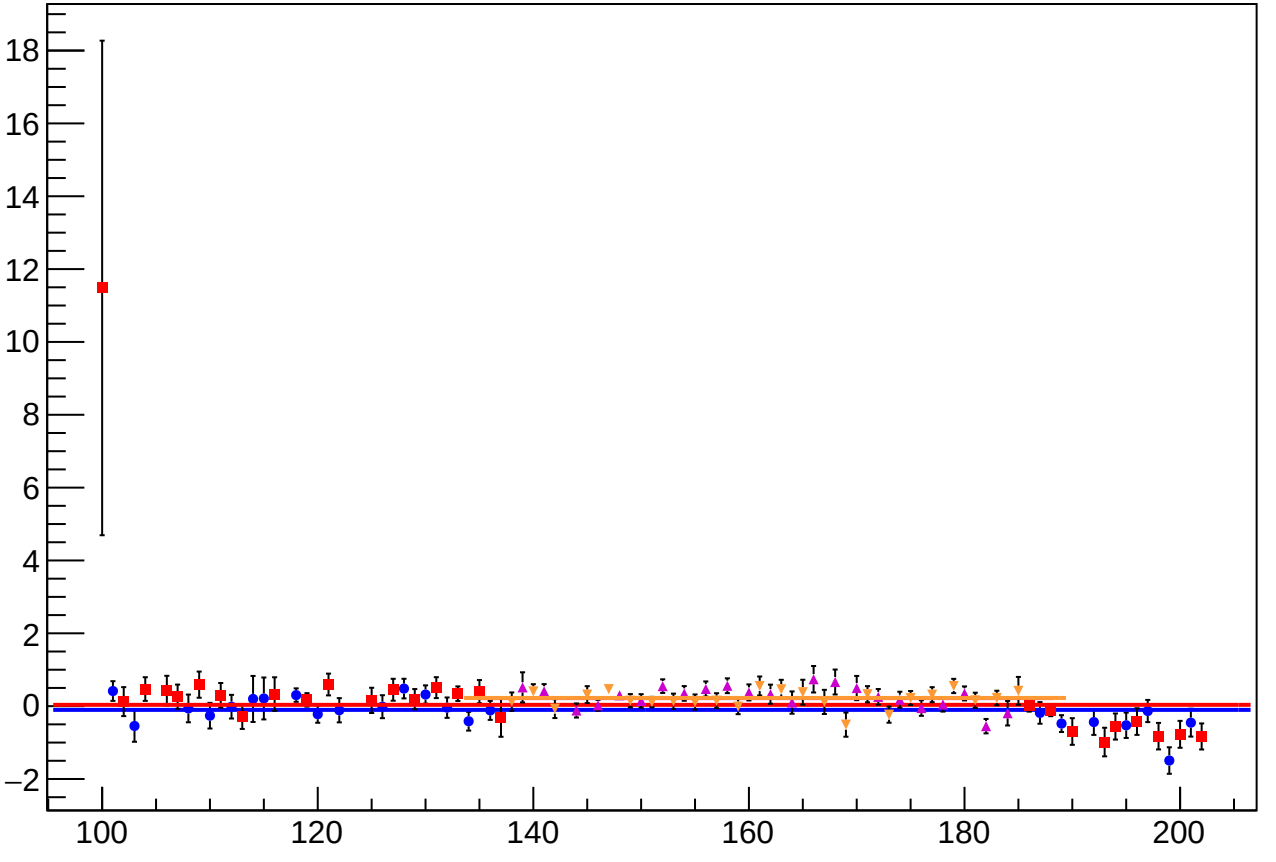
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.028+/-0.041 χ^2/NDF: 68.9/46

All: -0.003+/-0.027 χ^2/NDF: 142.1/96

- sign -0.028+/-0.037 χ^2/NDF: 72.1/49

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.102+/-0.062 χ^2/NDF: 40.3/22

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.036+/-0.056 χ^2/NDF: 56.1/26

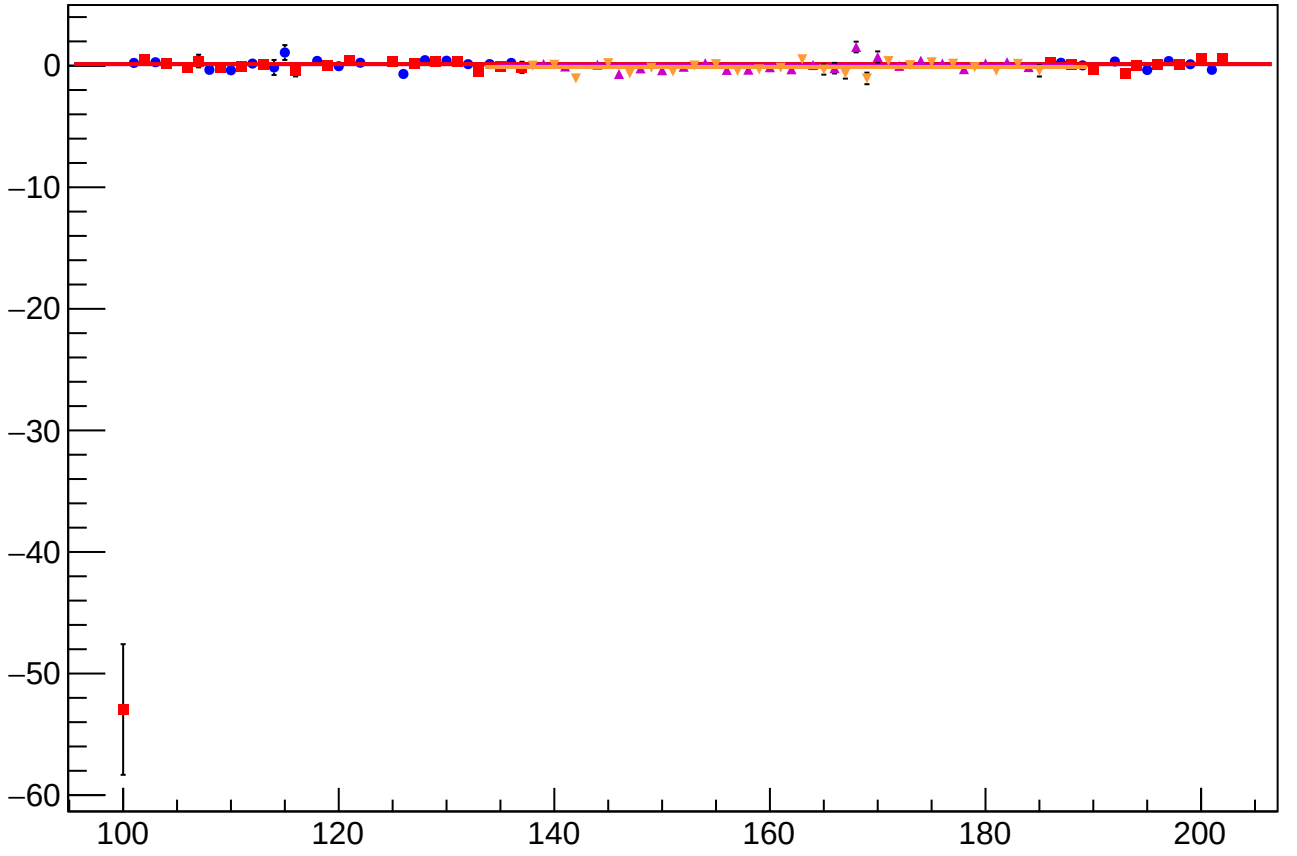
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.118+/-0.036 χ^2/NDF: 83.1/46

All: 0.134+/-0.025 χ^2/NDF: 185.7/96

- sign 0.149+/-0.035 χ^2/NDF: 102.2/49

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.132+/-0.058 χ^2/NDF: 24.0/22

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.132+/-0.046 χ^2/NDF: 122.6/26

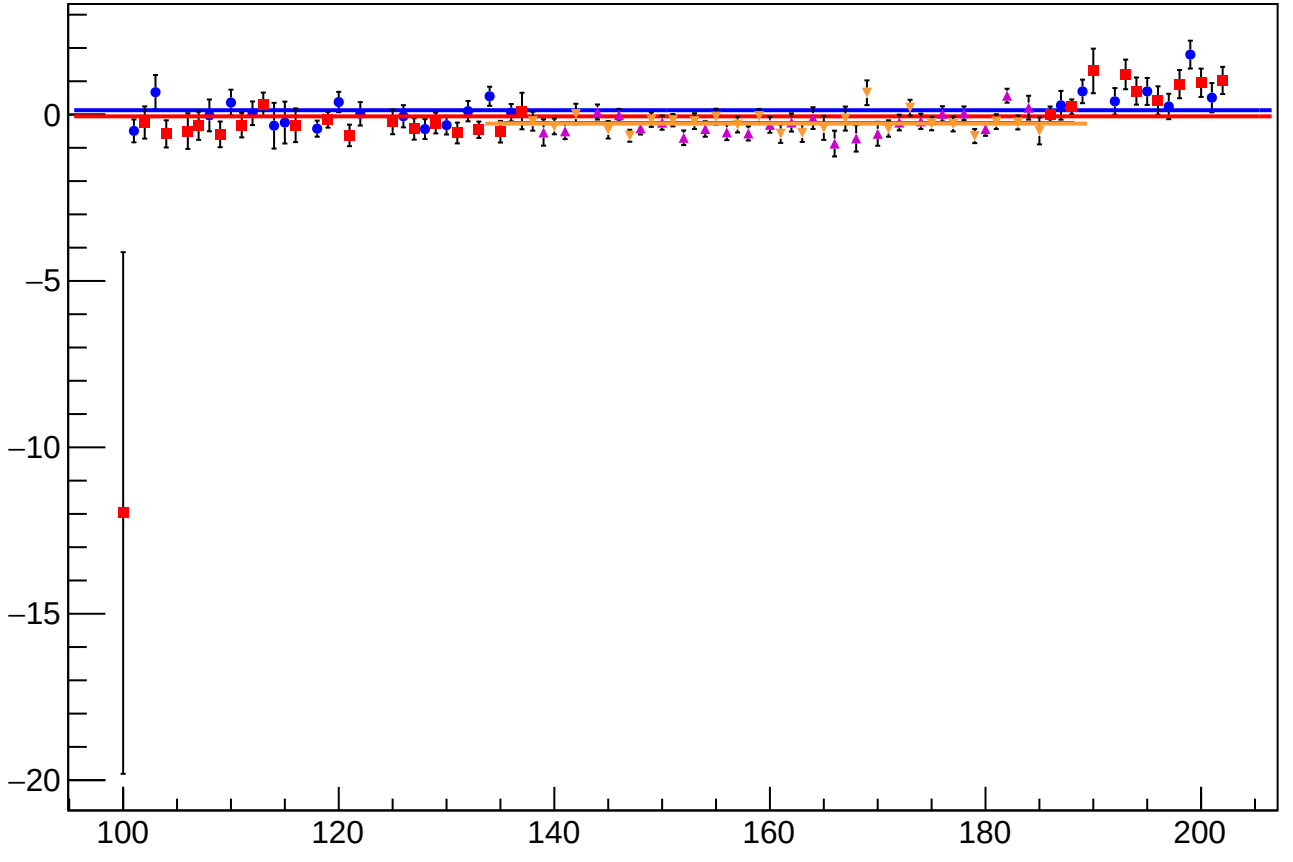
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.010+/-0.040 χ^2/NDF: 70.3/46

All: 0.047+/-0.027 χ^2/NDF: 236.1/96

- sign 0.076+/-0.036 χ^2/NDF: 164.3/49

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.129+/-0.073 χ^2/NDF: 42.2/22

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.055+/-0.068 χ^2/NDF: 58.0/26

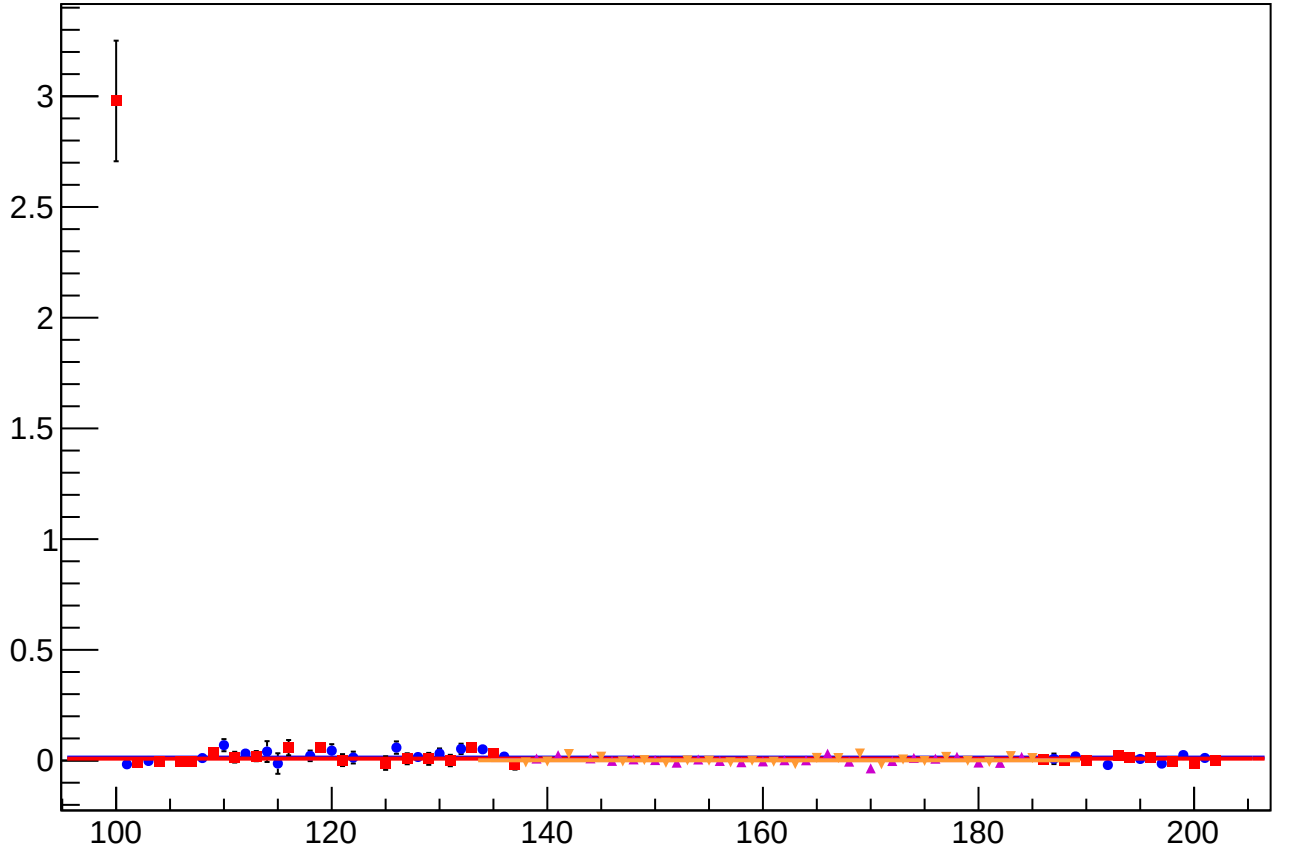
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.147+/-0.041 χ^2/NDF: 87.7/46

All: -0.166+/-0.029 χ^2/NDF: 192.1/96

- sign -0.184+/-0.040 χ^2/NDF: 104.1/49

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.004 χ^2/NDF: 37.9/22

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 149.3/26

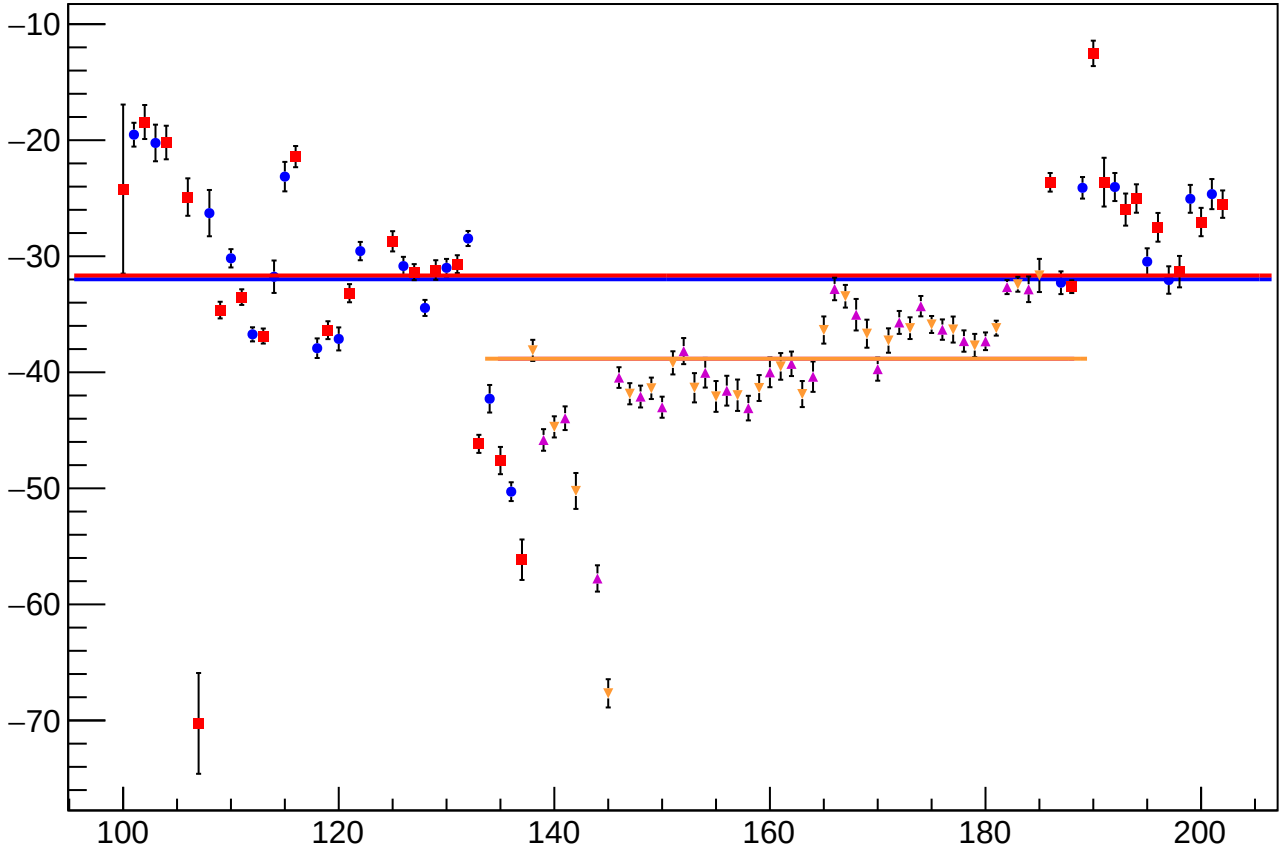
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 73.3/46

All: 0.005+/-0.001 χ^2/NDF: 249.9/96

- sign 0.004+/-0.002 χ^2/NDF: 176.5/49

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.983+/-0.194 χ^2/NDF: 1224.7/22

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.658+/-0.179 χ^2/NDF: 1763.9/27

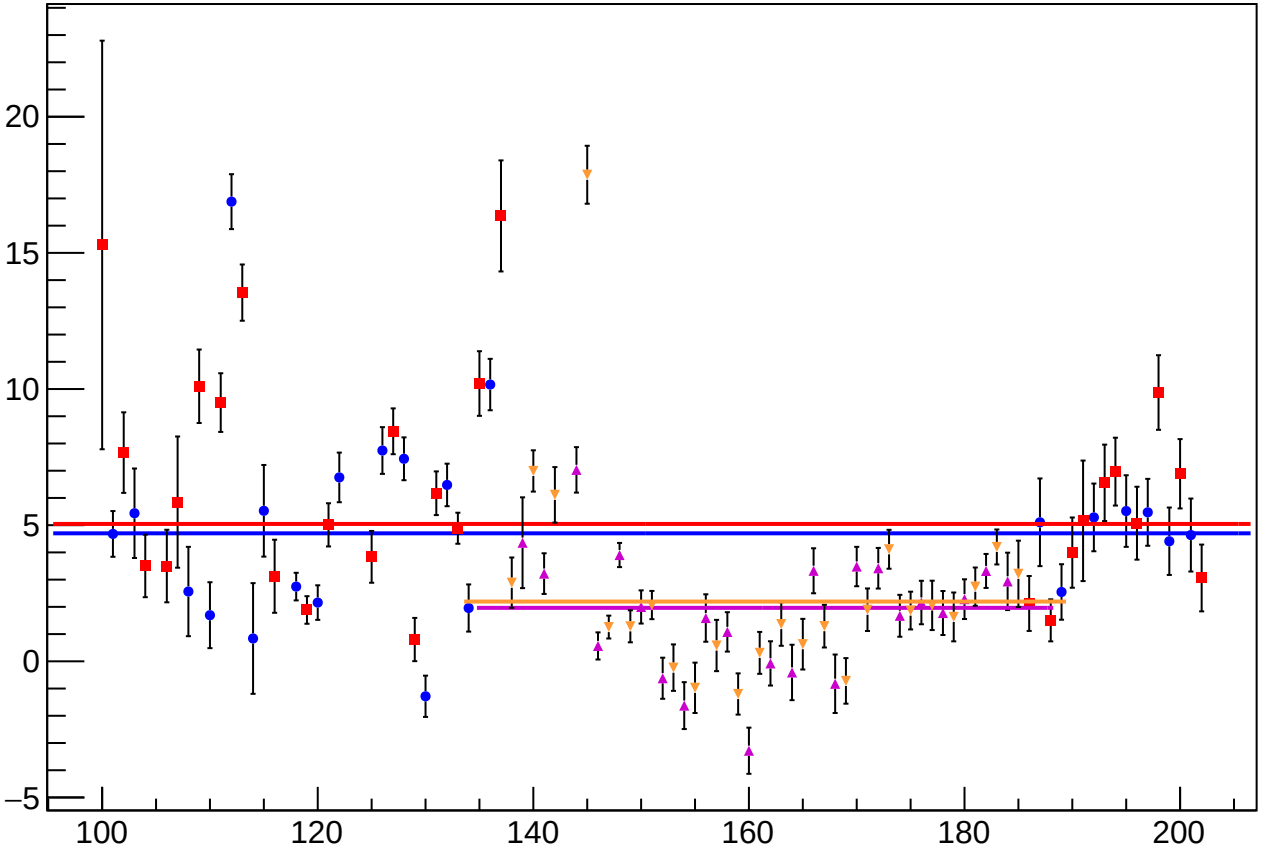
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

\+ sign -35.259+/-0.140 χ^2/NDF: 2740.3/46

All: -35.011+/-0.097 χ^2/NDF: 5867.2/97

\- sign -34.783+/-0.134 χ^2/NDF: 3120.9/50

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.701+/-0.199 χ^2/NDF: 335.2/22

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.045+/-0.192 χ^2/NDF: 297.0/27

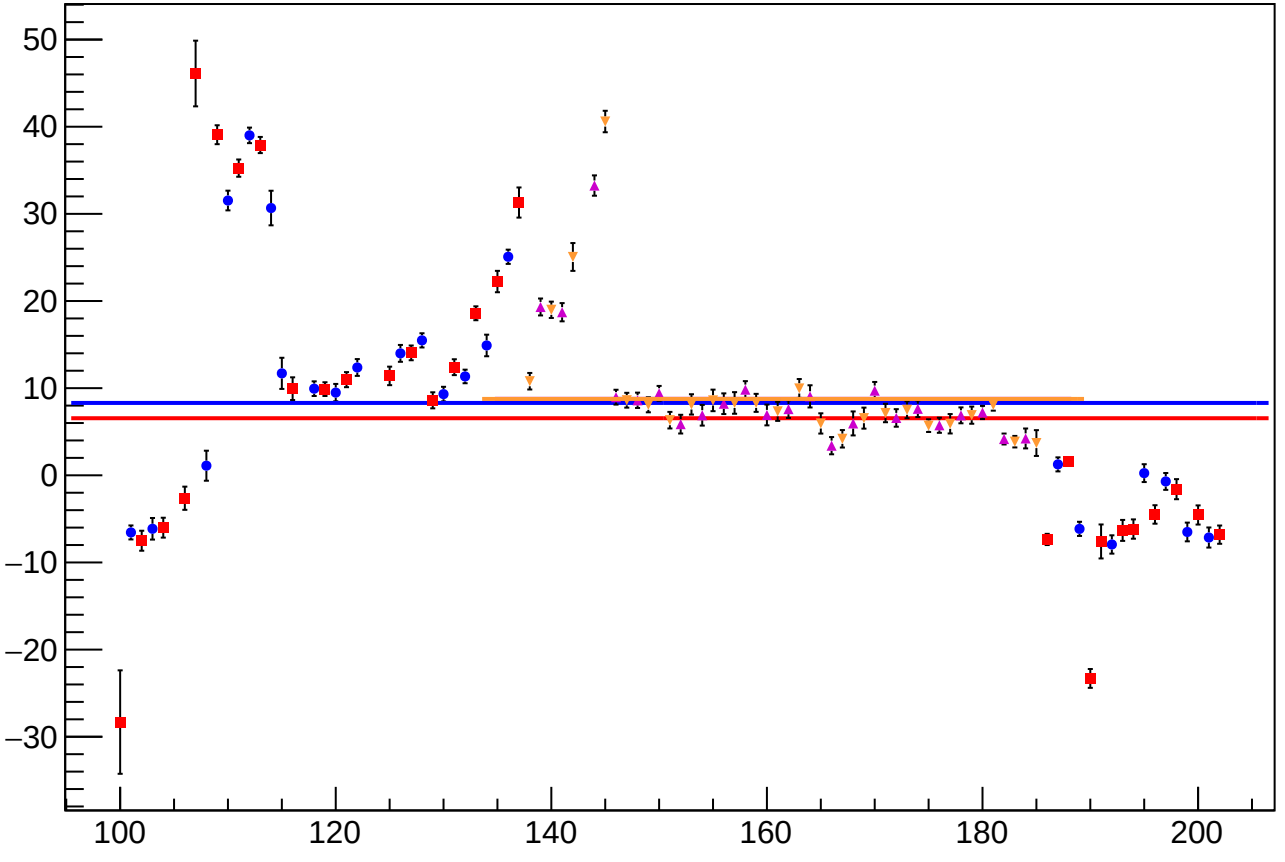
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.120+/-0.121 χ^2/NDF: 800.4/46

All: 3.147+/-0.085 χ^2/NDF: 1426.5/97

- sign 3.175+/-0.121 χ^2/NDF: 626.1/50

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 8.305+/-0.204 χ^2/NDF: 3985.0/22

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 6.550+/-0.184 χ^2/NDF: 6215.1/27

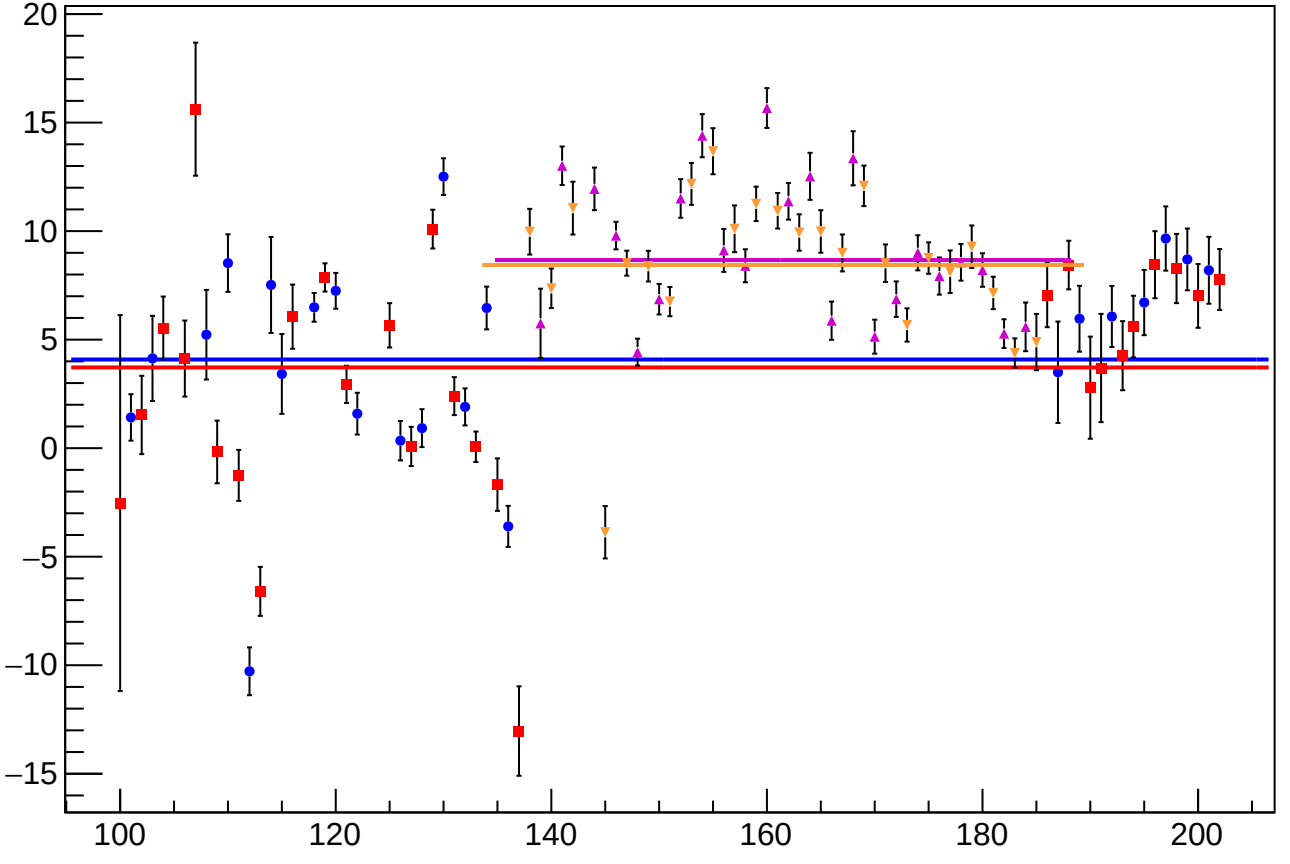
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 8.539+/-0.143 χ^2/NDF: 5022.9/46

All: 8.026+/-0.099 χ^2/NDF: 12123.9/97

- sign 7.562+/-0.136 χ^2/NDF: 7076.5/50

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.086+/-0.233 χ^2/NDF: 471.8/22

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.719+/-0.227 χ^2/NDF: 413.4/27

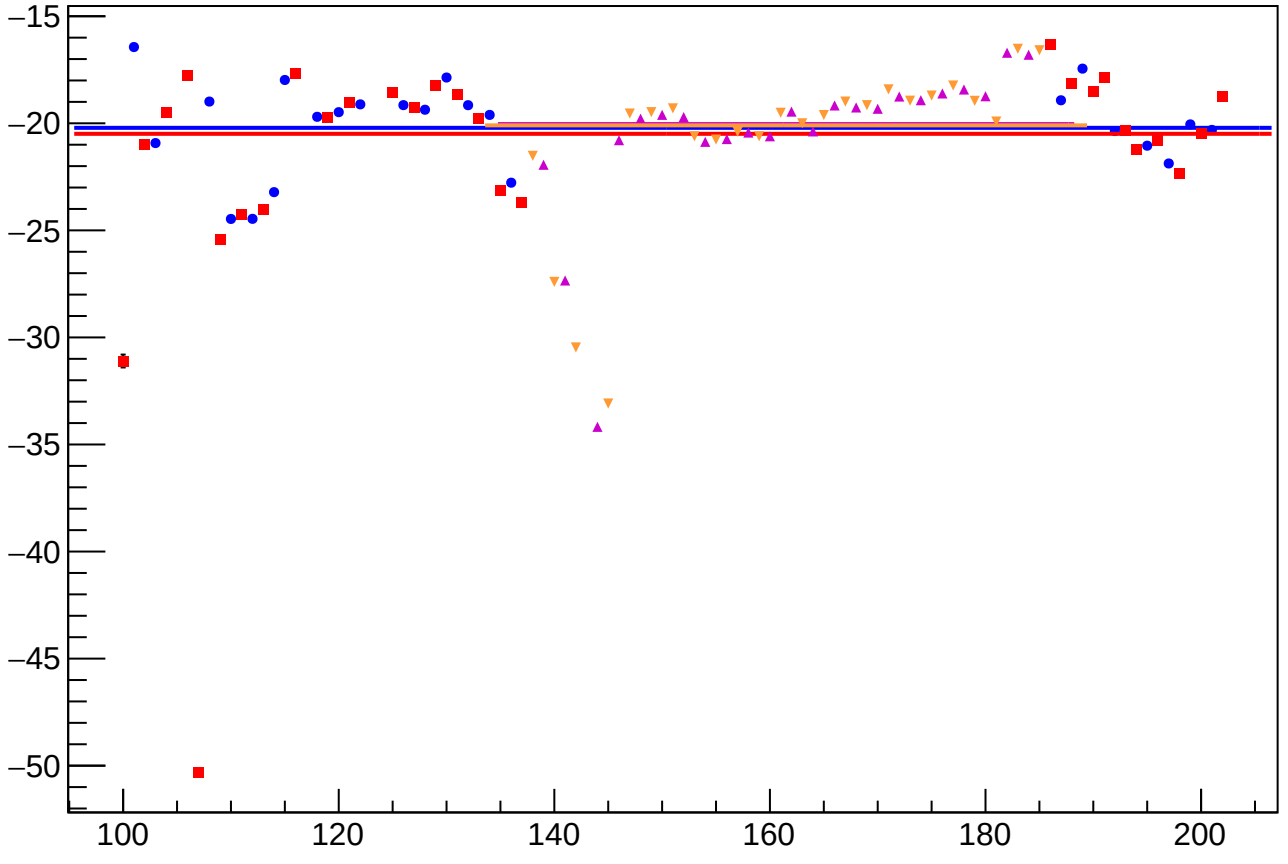
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.885+/-0.139 χ^2/NDF: 961.3/46

All: 6.850+/-0.098 χ^2/NDF: 1976.5/97

\- sign 6.815+/-0.139 χ^2/NDF: 1015.1/50

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.212+/-0.012 χ^2/NDF: 23764.4/22

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.491+/-0.011 χ^2/NDF: 68211.4/27

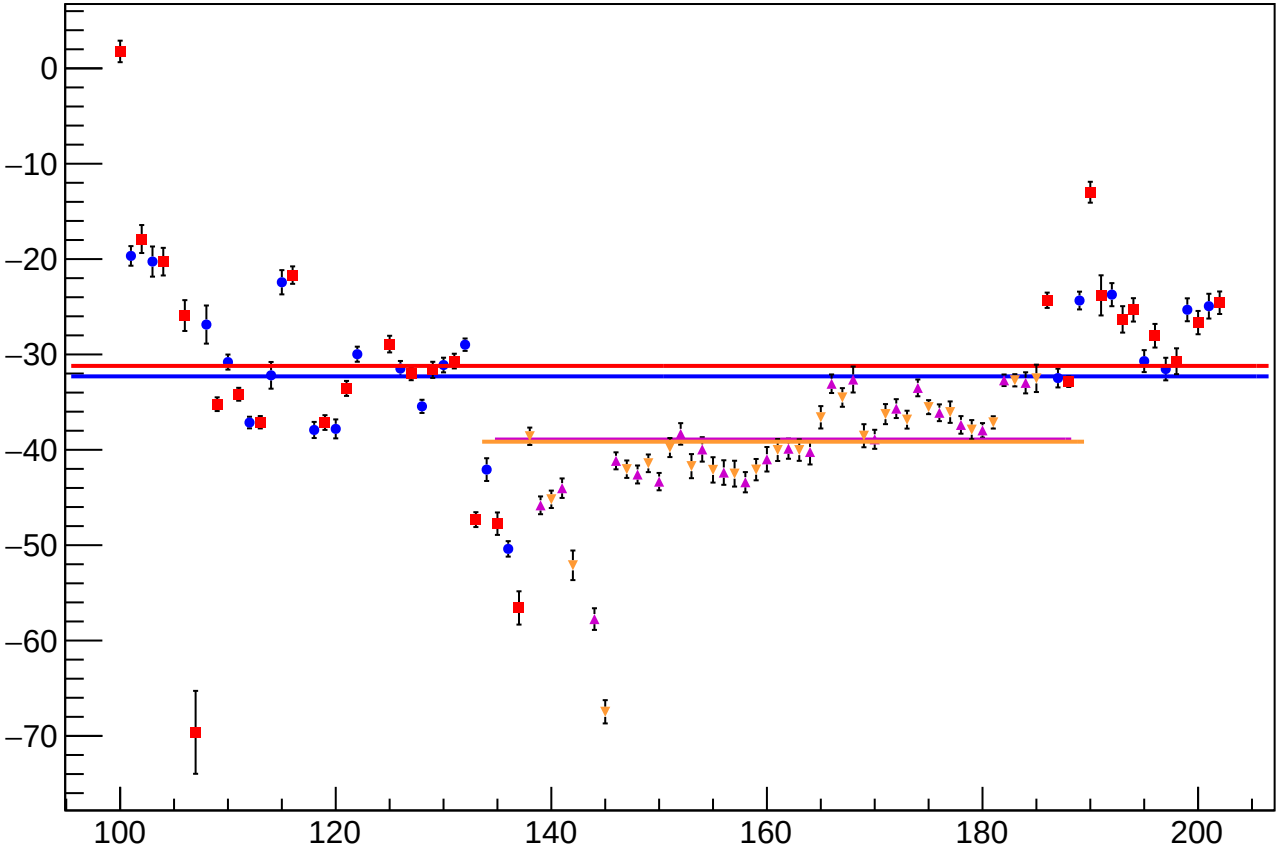
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.131+/-0.007 χ^2/NDF: 183121.5/46

All: -20.158+/-0.005 χ^2/NDF: 384725.2/97

- sign -20.184+/-0.006 χ^2/NDF: 201570.7/50

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.299+/-0.194 χ^2/NDF: 1231.5/22

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.202+/-0.177 χ^2/NDF: 2695.4/27

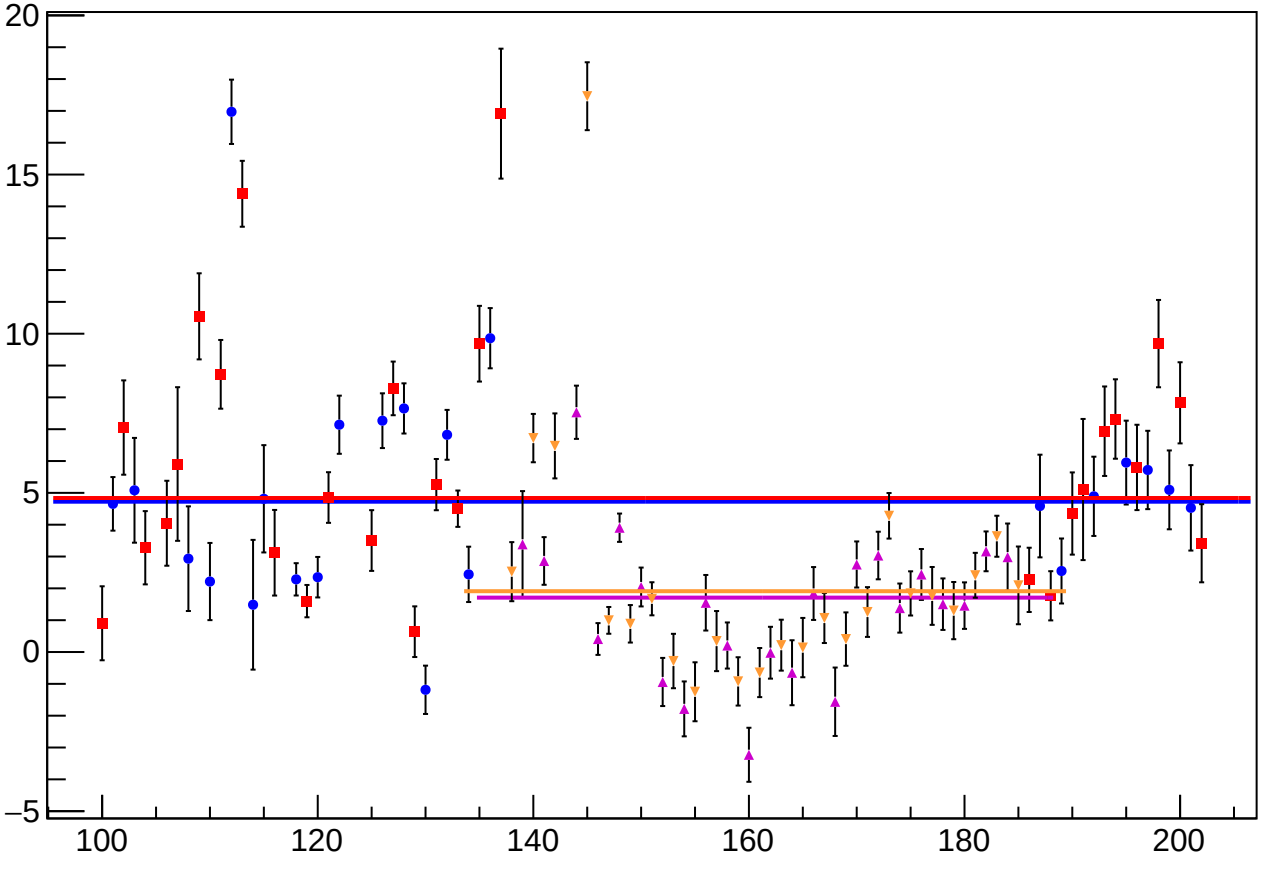
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.577+/-0.140 χ^2/NDF: 2727.1/46

All: -35.021+/-0.097 χ^2/NDF: 6956.1/97

- sign -34.515+/-0.134 χ^2/NDF: 4198.9/50

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.723+/-0.199 χ^2/NDF: 331.9/22

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.838+/-0.190 χ^2/NDF: 321.6/27

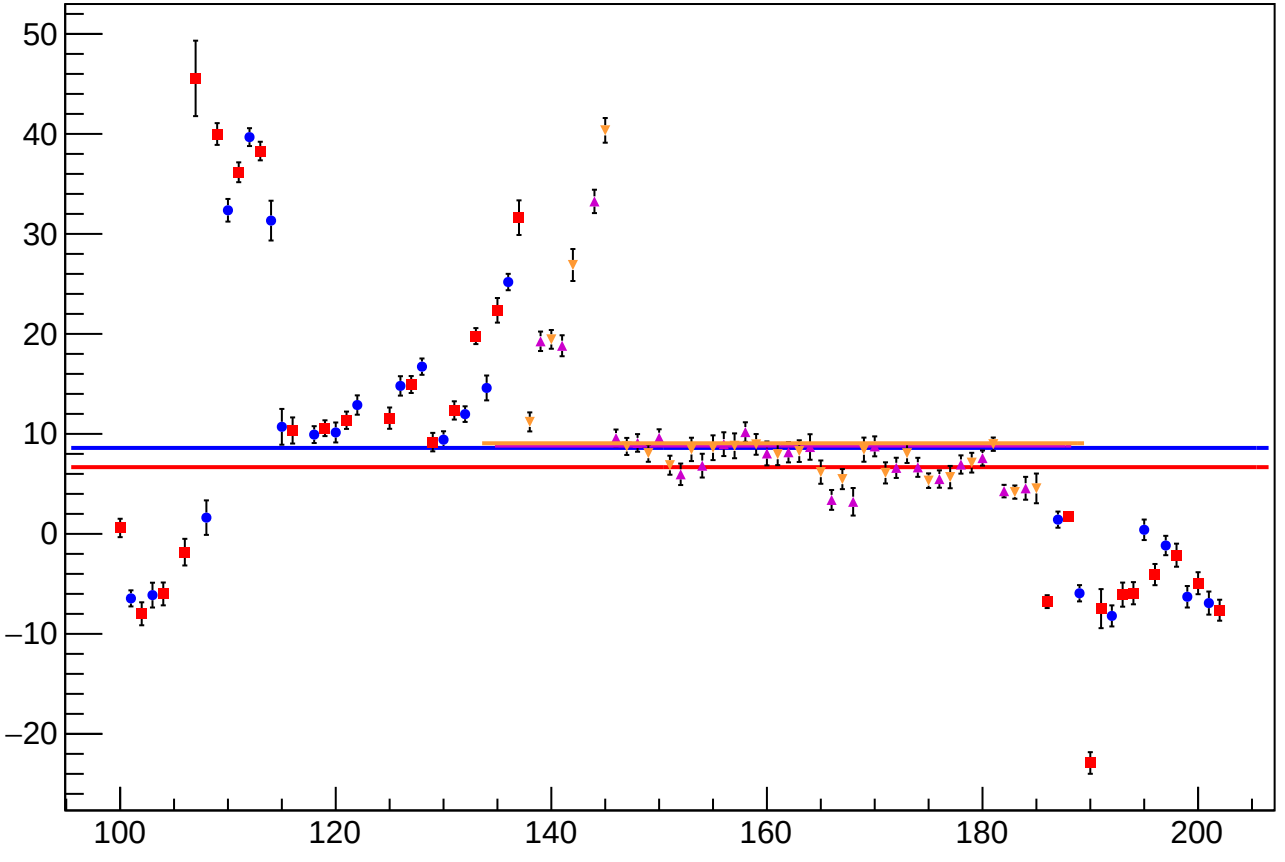
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.948+/-0.121 χ^2/NDF: 816.8/46

All: 2.953+/-0.085 χ^2/NDF: 1483.7/97

- sign 2.958+/-0.120 χ^2/NDF: 667.0/50

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 8.596+/-0.204 χ^2/NDF: 4097.0/22

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 6.673+/-0.181 χ^2/NDF: 6373.9/27

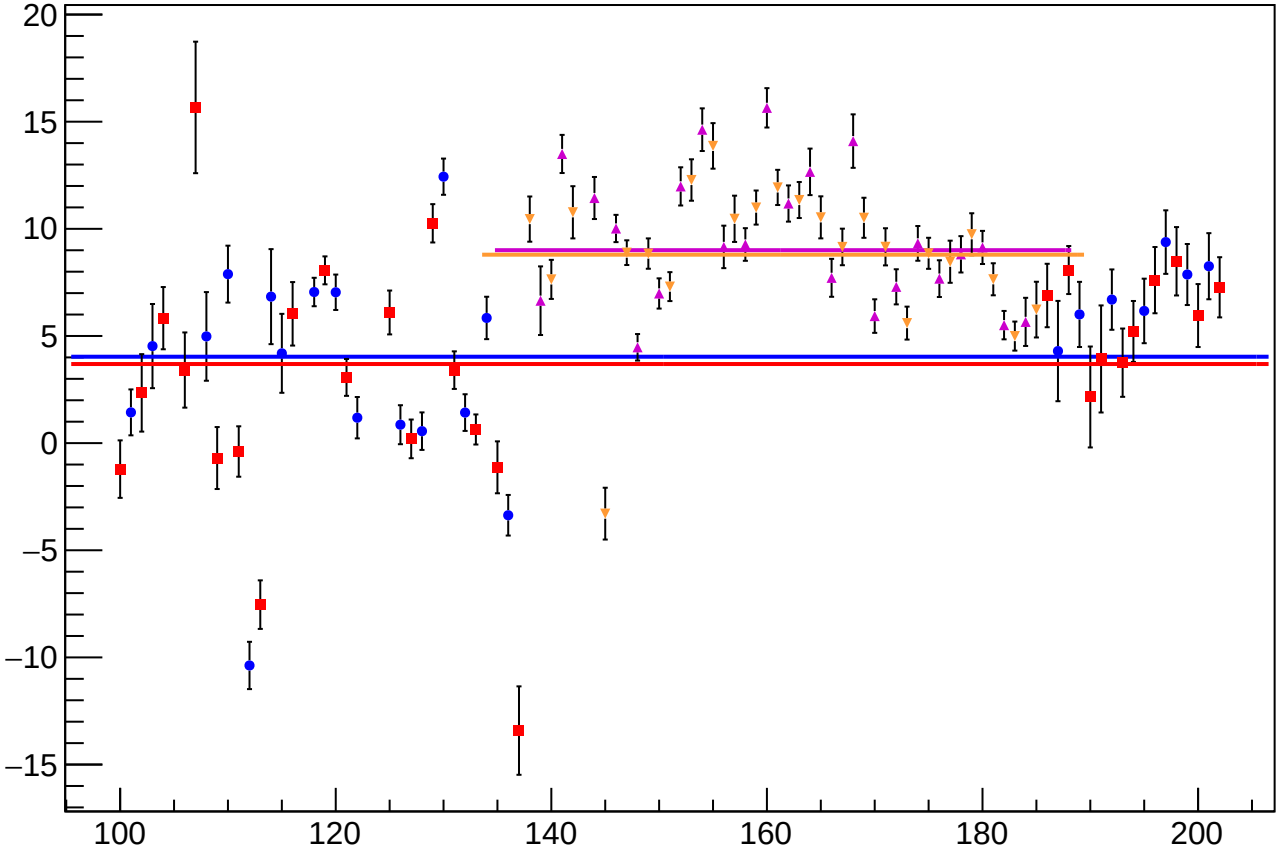
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 8.833+/-0.143 χ^2/NDF: 5133.1/46

All: 8.196+/-0.098 χ^2/NDF: 12408.7/97

- sign 7.633+/-0.135 χ^2/NDF: 7238.4/50

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.032+/-0.233 χ^2/NDF: 464.6/22

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.691+/-0.224 χ^2/NDF: 422.6/27

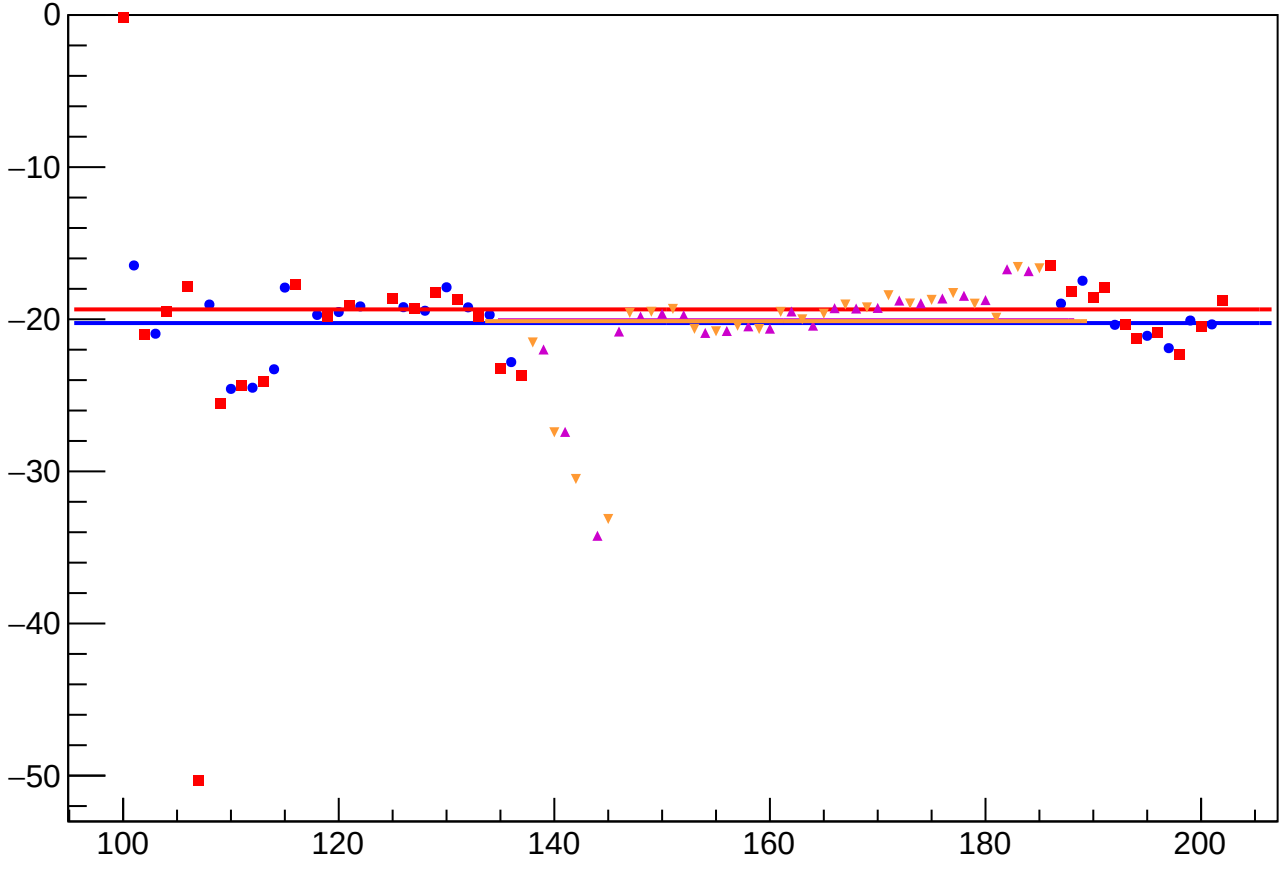
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.091+/-0.139 χ^2/NDF: 976.7/46

All: 7.036+/-0.098 χ^2/NDF: 2036.2/97

- sign 6.981+/-0.138 χ^2/NDF: 1059.2/50

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.250+/-0.012 χ^2/NDF: 23771.8/22

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.351+/-0.011 χ^2/NDF: 246589.5/27

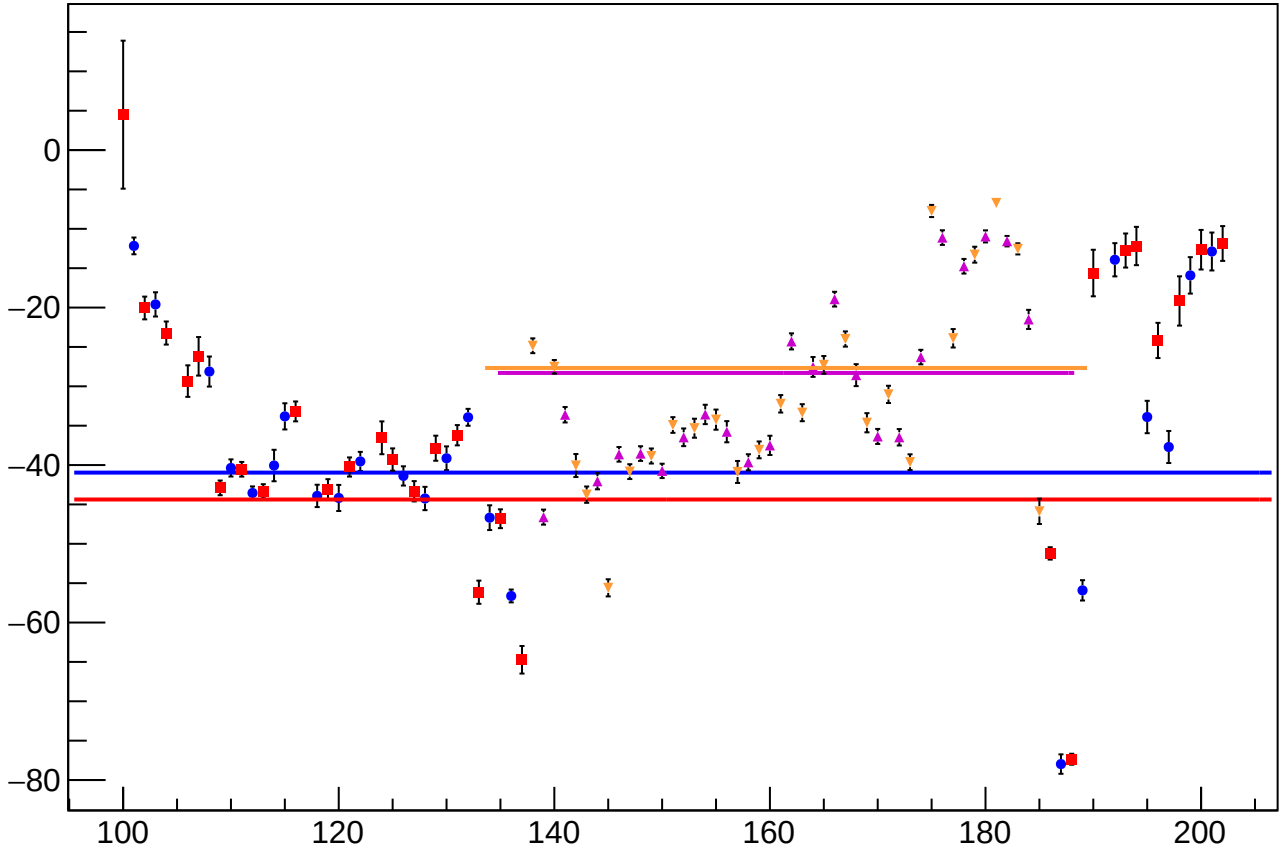
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.161+/-0.007 χ^2/NDF: 182427.2/46

All: -19.988+/-0.005 χ^2/NDF: 565752.1/97

- sign -19.824+/-0.006 χ^2/NDF: 381997.5/50

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.959+/-0.281 χ^2/NDF: 2903.9/22

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -44.374+/-0.254 χ^2/NDF: 4358.4/27

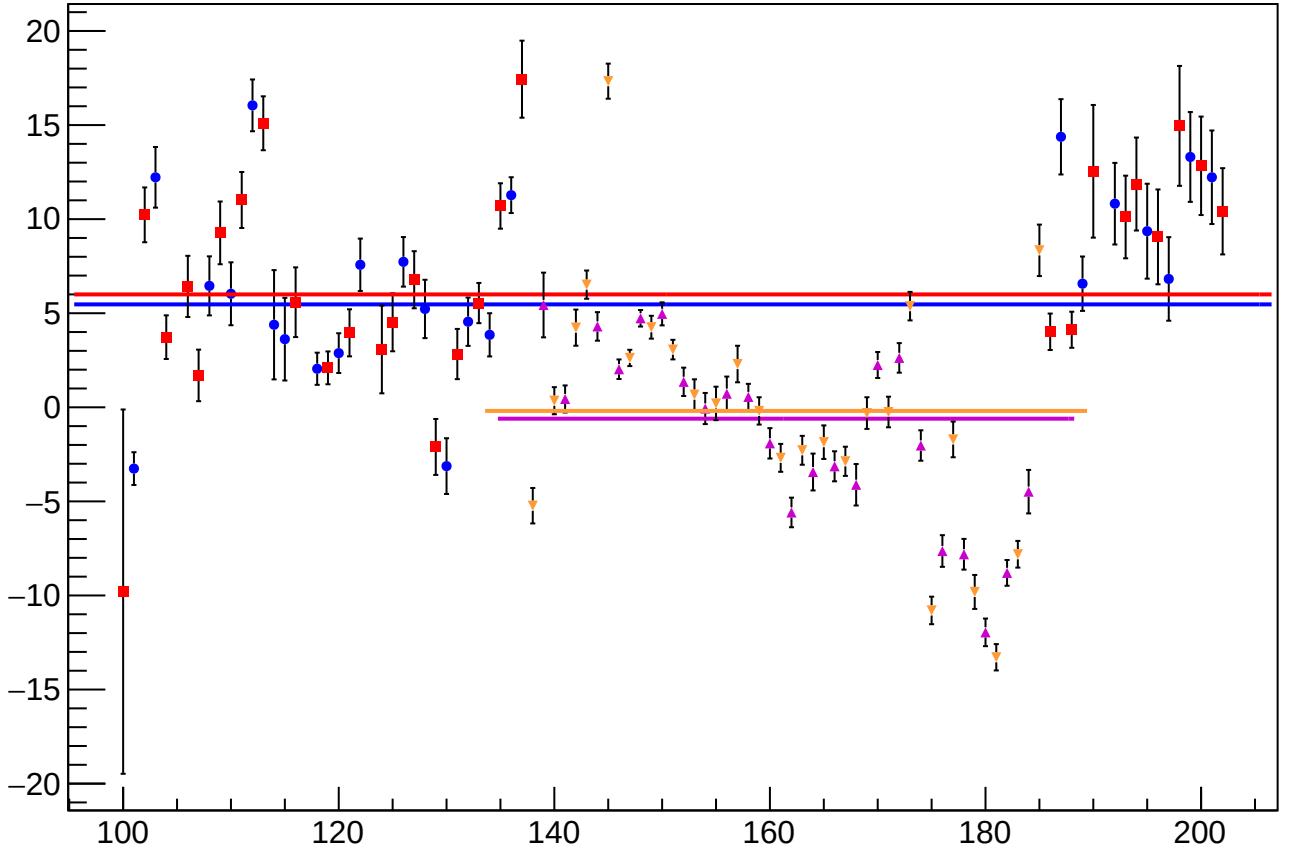
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.154+/-0.163 χ^2/NDF: 8784.6/47

All: -33.431+/-0.114 χ^2/NDF: 18949.2/98

- sign -34.659+/-0.160 χ^2/NDF: 10044.5/50

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.470+/-0.293 χ^2/NDF: 326.4/22

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.999+/-0.280 χ^2/NDF: 228.4/27

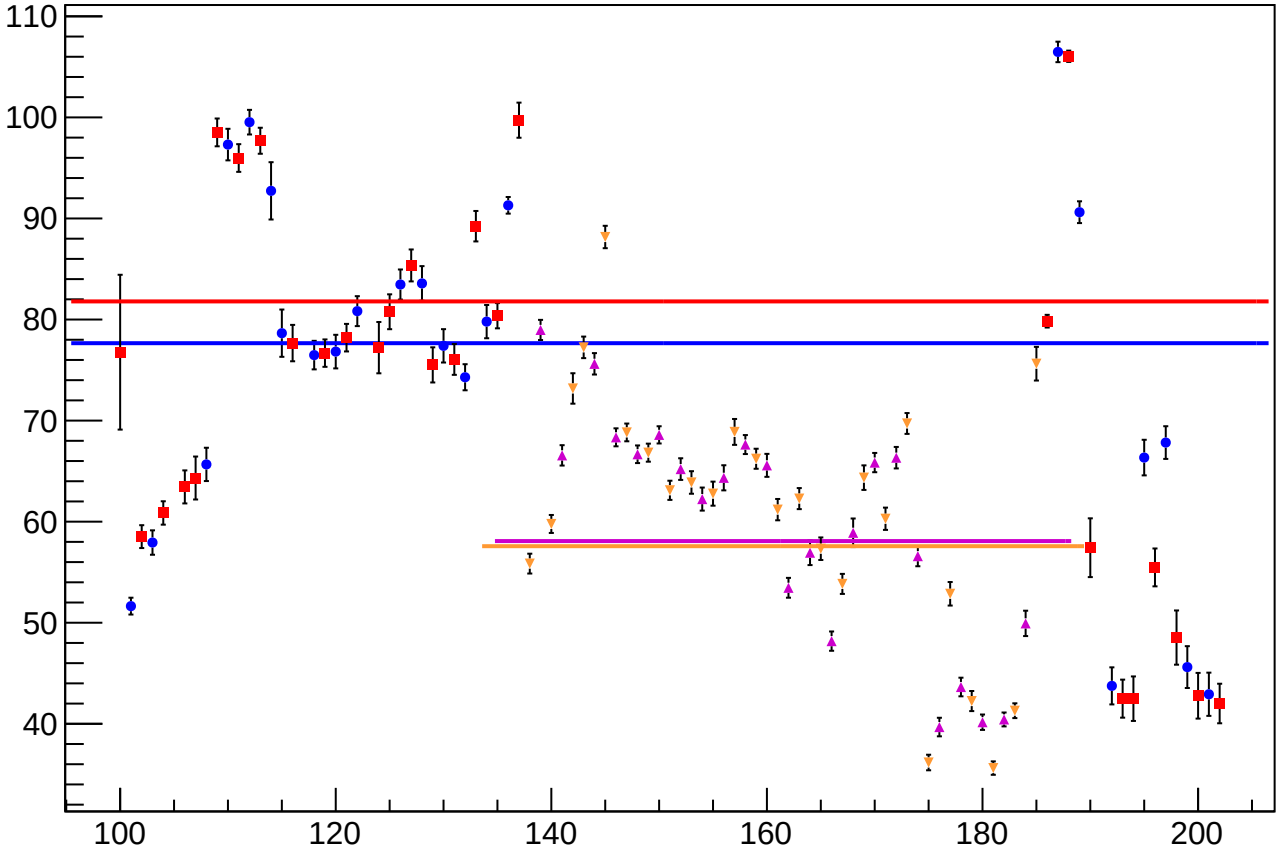
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.986+/-0.134 χ^2/NDF: 2167.7/47

All: 0.965+/-0.095 χ^2/NDF: 3795.7/98

- sign 0.944+/-0.136 χ^2/NDF: 1628.0/50

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 77.659+/-0.287 χ^2/NDF: 3997.1/22

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 81.793+/-0.254 χ^2/NDF: 5329.8/27

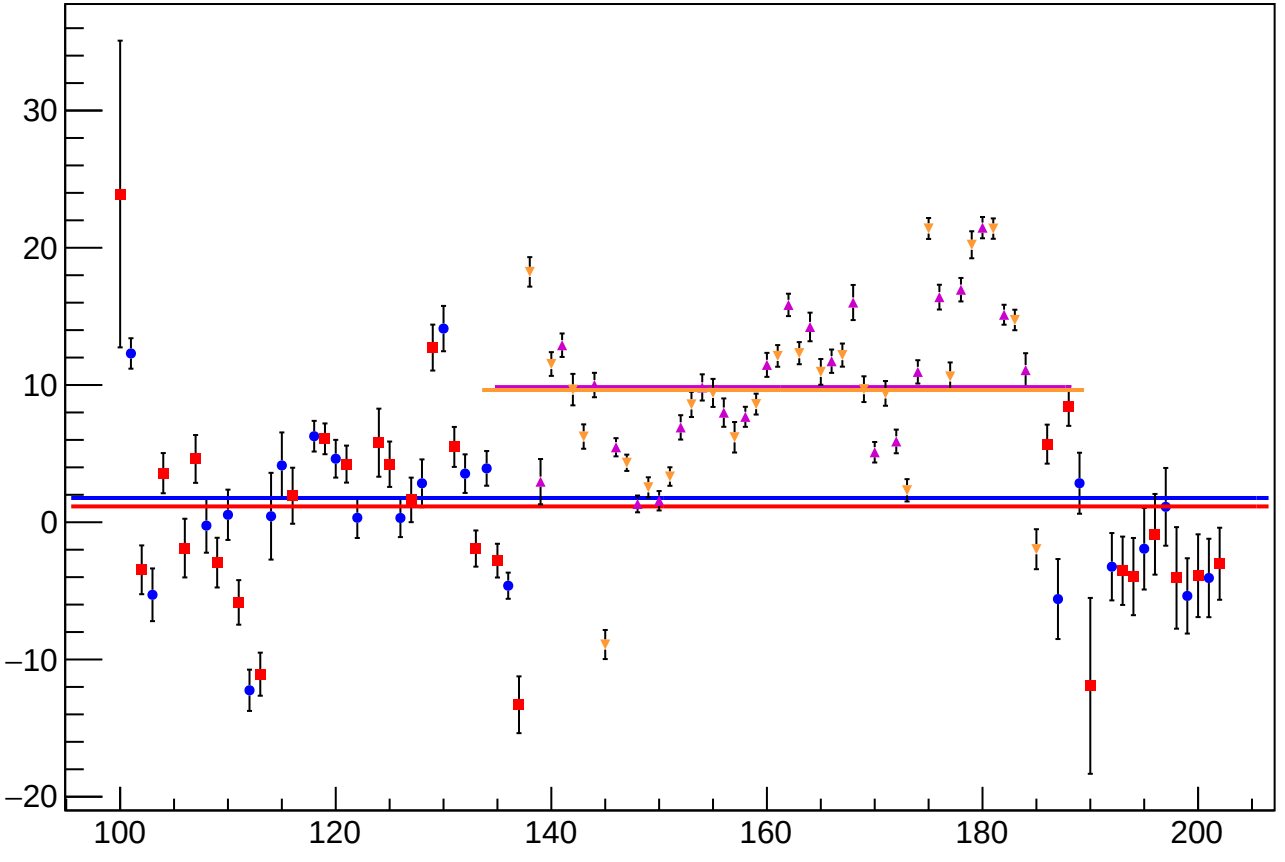
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.079+/-0.164 χ^2/NDF: 11983.2/47

All: 65.761+/-0.114 χ^2/NDF: 26384.6/98

- sign 67.346+/-0.159 χ^2/NDF: 14196.1/50

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 1.768+/-0.342 χ^2/NDF: 344.7/22

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.153+/-0.334 χ^2/NDF: 311.6/27

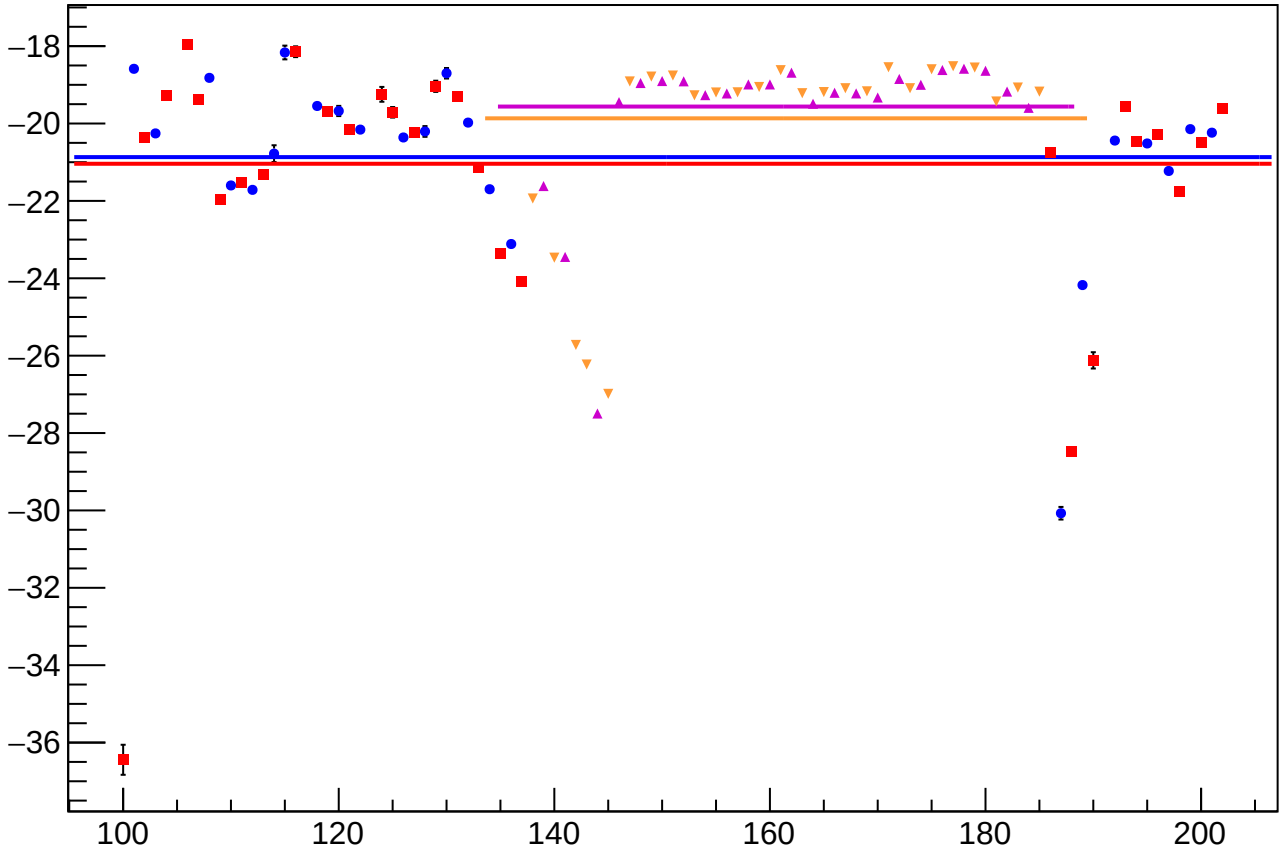
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.054+/-0.153 χ^2/NDF: 2259.9/47

All: 8.006+/-0.109 χ^2/NDF: 4094.4/98

- sign 7.956+/-0.156 χ^2/NDF: 1834.3/50

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.868+/-0.017 χ^2/NDF: 12074.8/22

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.040+/-0.017 χ^2/NDF: 20372.6/27

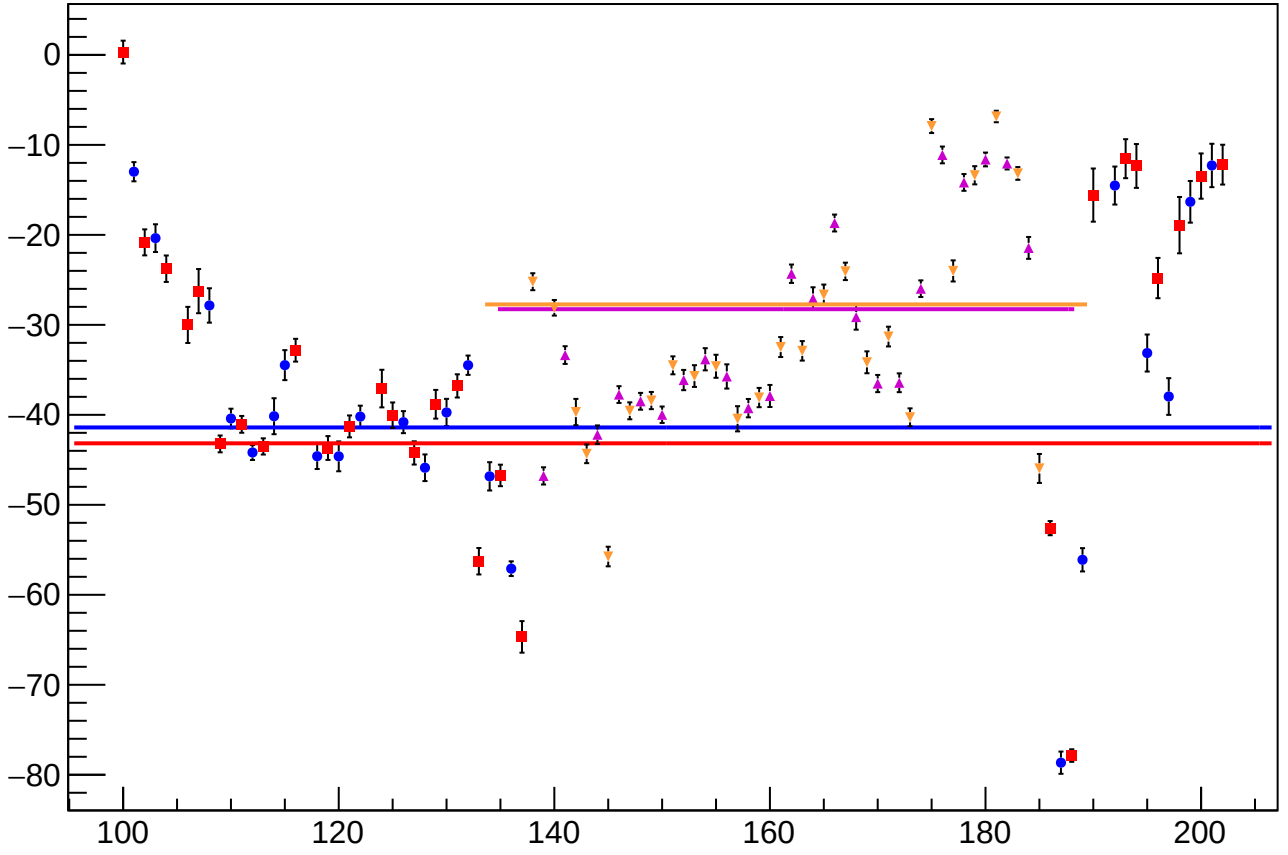
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.043+/-0.007 χ^2/NDF: 93846.2/47

All: -19.940+/-0.005 χ^2/NDF: 166187.6/98

- sign -19.834+/-0.007 χ^2/NDF: 71913.7/50

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -41.402+/-0.281 χ^2/NDF: 2901.3/22

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -43.166+/-0.250 χ^2/NDF: 5586.0/27

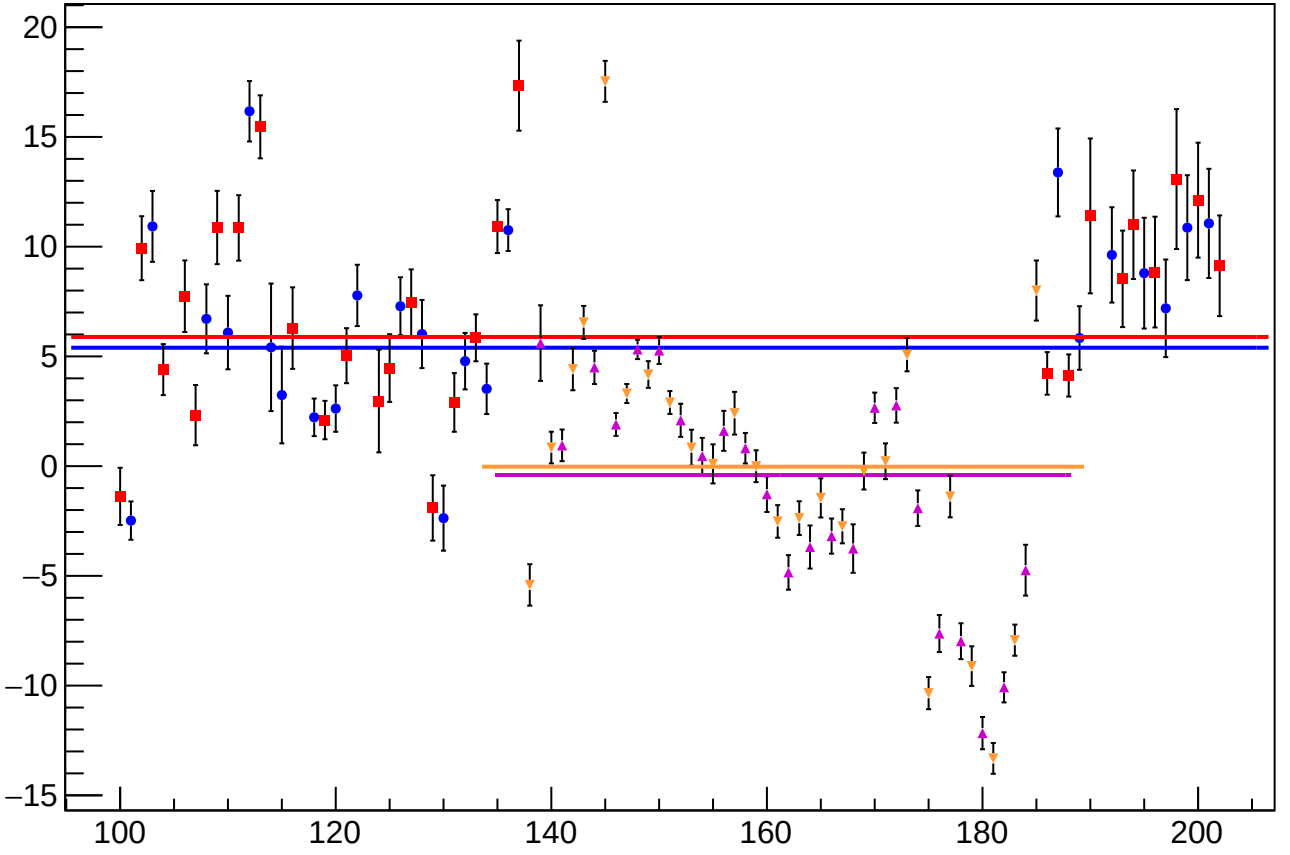
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.345+/-0.163 χ^2/NDF: 8766.8/47

All: -33.348+/-0.114 χ^2/NDF: 19716.0/98

- sign -34.298+/-0.159 χ^2/NDF: 10875.9/50

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.396+/-0.293 χ^2/NDF: 276.6/22

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.886+/-0.275 χ^2/NDF: 245.1/27

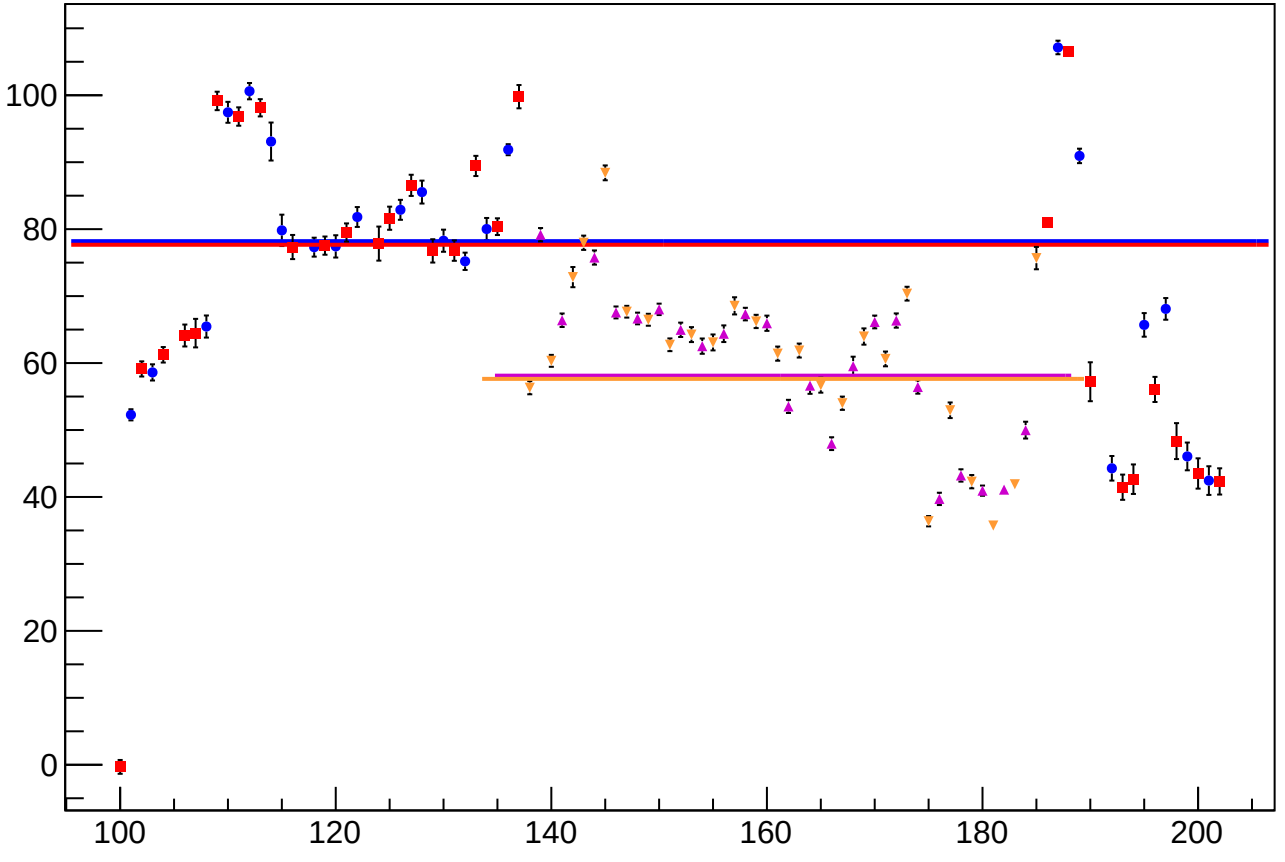
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.102+/-0.134 χ^2/NDF: 2079.0/47

All: 1.112+/-0.095 χ^2/NDF: 3805.6/98

- sign 1.123+/-0.135 χ^2/NDF: 1726.7/50

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 78.209+/-0.288 χ^2/NDF: 4024.0/22

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 77.670+/-0.247 χ^2/NDF: 11392.8/27

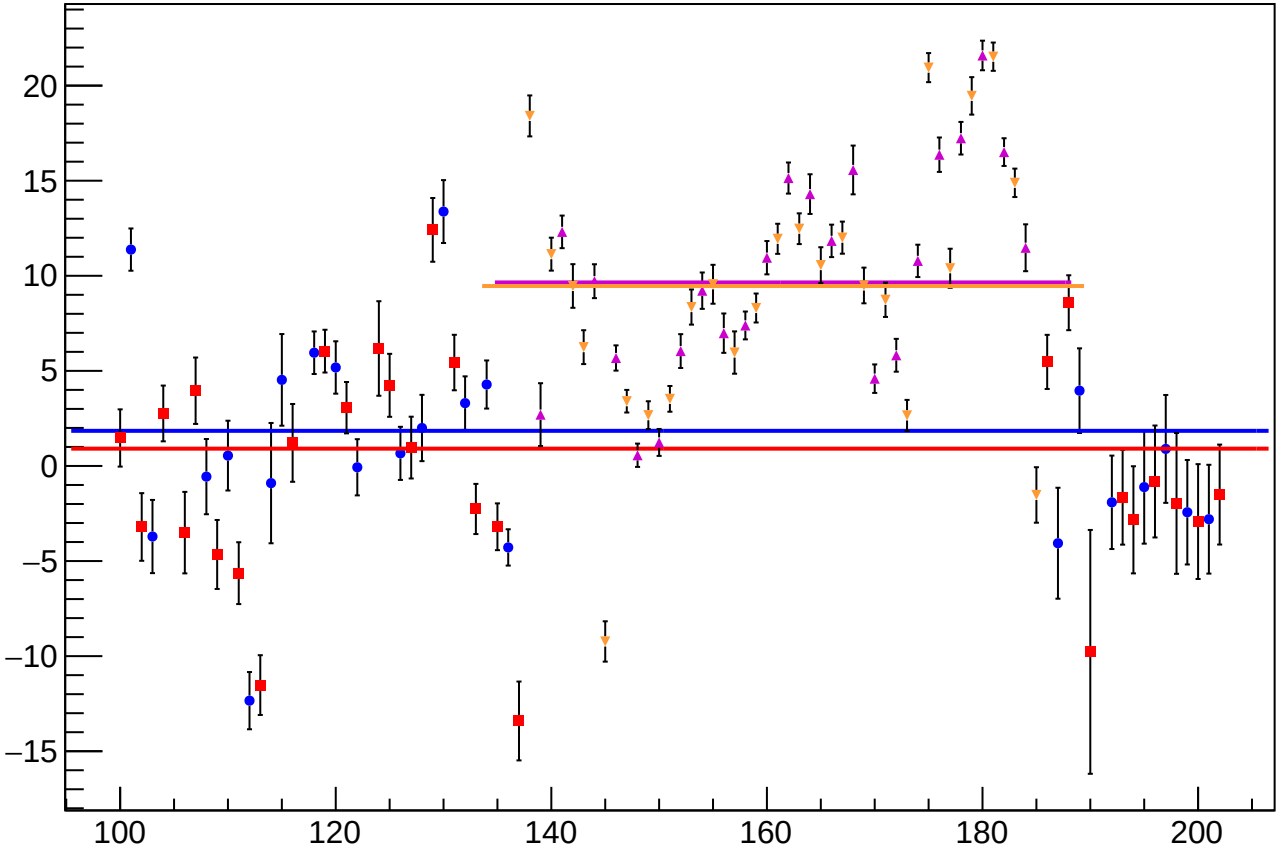
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.301+/-0.164 χ^2/NDF: 12088.5/47

All: 65.202+/-0.113 χ^2/NDF: 30707.9/98

- sign 66.033+/-0.157 χ^2/NDF: 18561.3/50

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 1.847+/-0.342 χ^2/NDF: 304.6/22

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.910+/-0.327 χ^2/NDF: 303.4/27

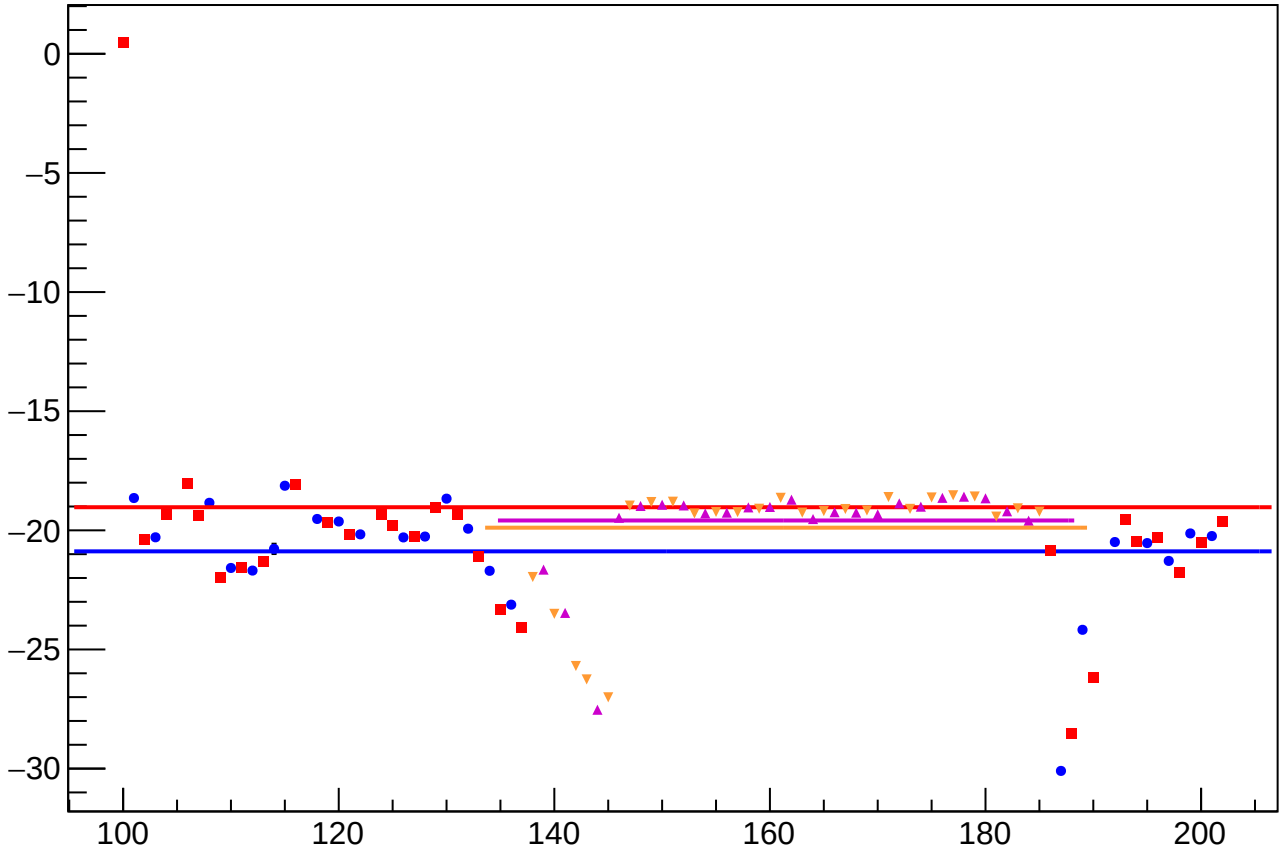
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.930+/-0.153 χ^2/NDF: 2183.3/47

All: 7.804+/-0.109 χ^2/NDF: 4120.1/98

- sign 7.675+/-0.155 χ^2/NDF: 1935.4/50

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.882+/-0.017 χ^2/NDF: 11951.7/22

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.030+/-0.016 χ^2/NDF: 171653.5/27

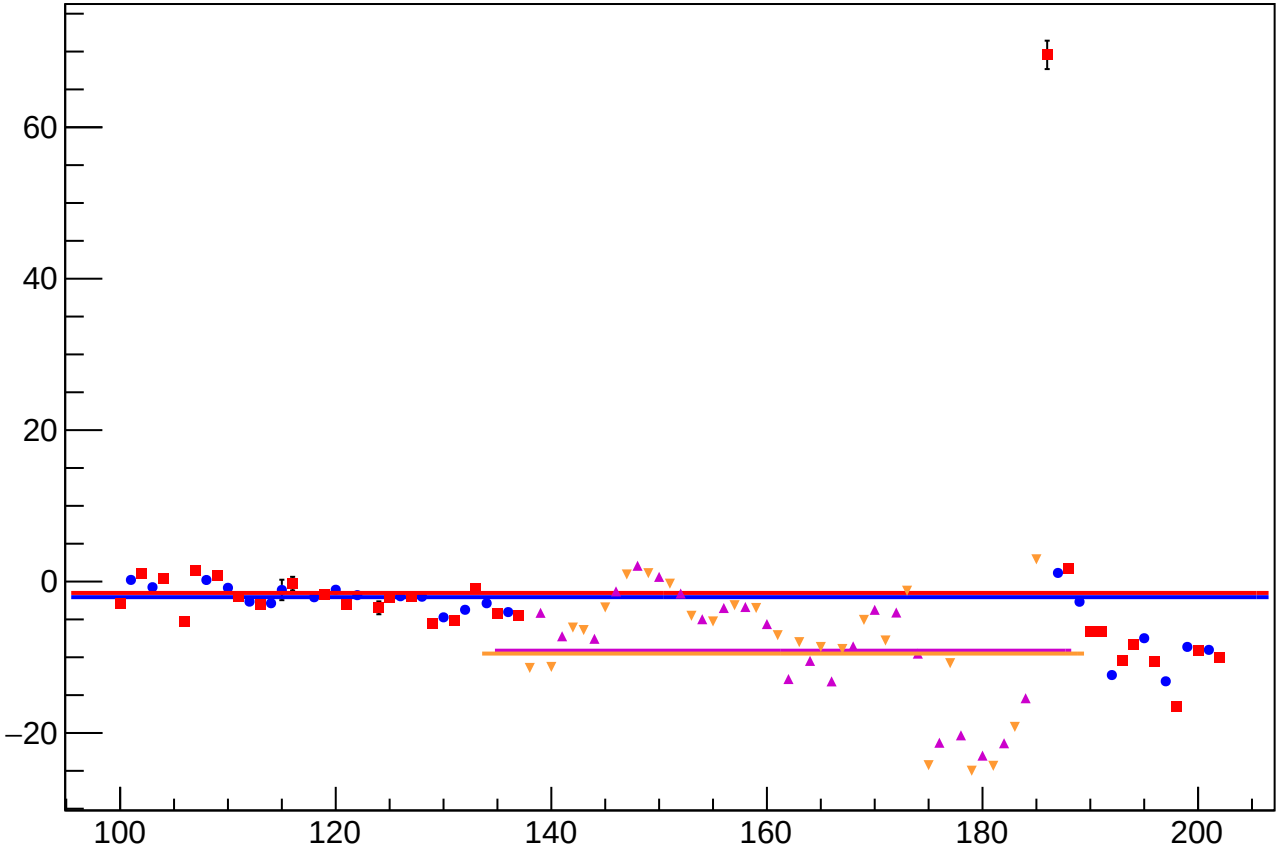
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.065+/-0.007 χ^2/NDF: 93281.7/47

All: -19.769+/-0.005 χ^2/NDF: 314398.8/98

- sign -19.475+/-0.007 χ^2/NDF: 217709.7/50

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.061+/-0.051 χ^2/NDF: 3283.1/22

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

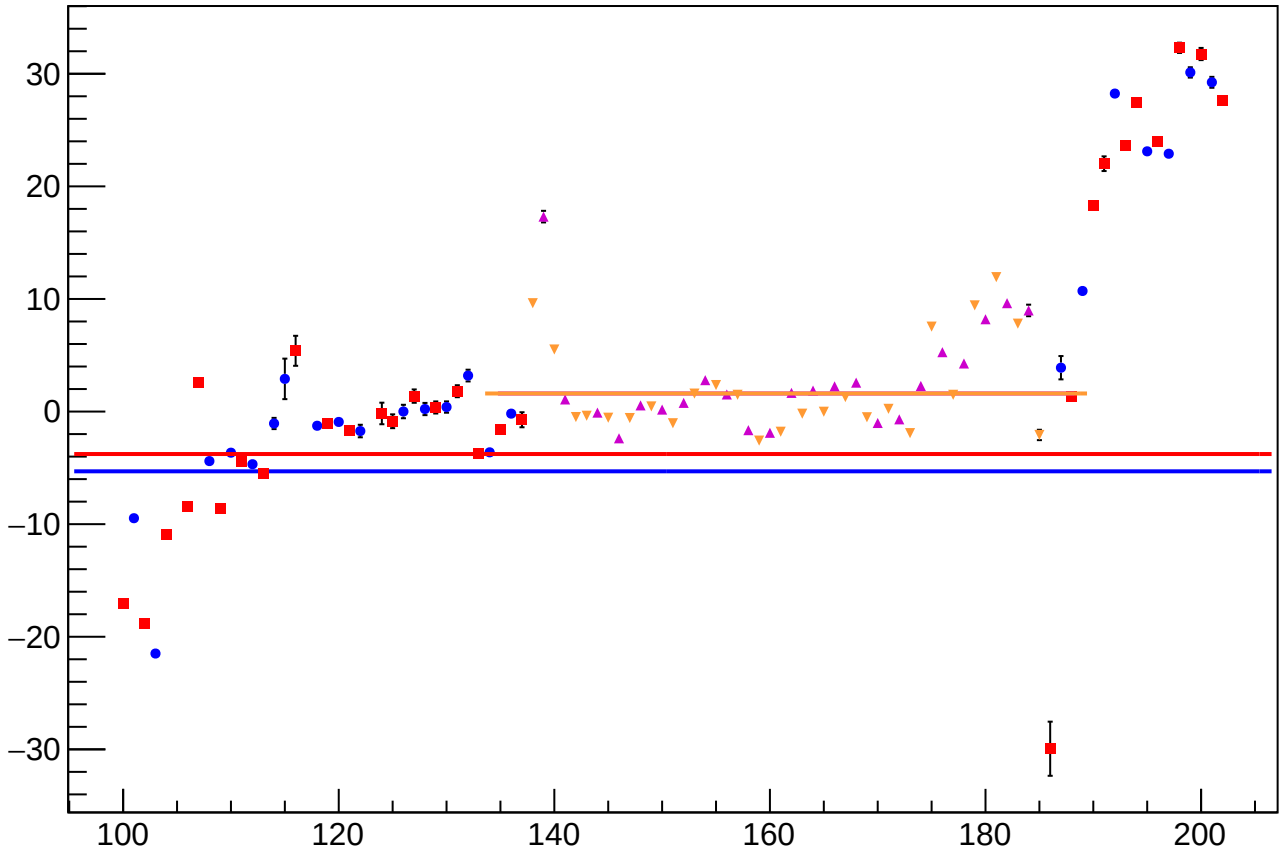
Right Out: -1.502+/-0.047 χ^2/NDF: 6853.9/28

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.546+/-0.042 χ^2/NDF: 23212.5/47

All: -4.062+/-0.029 χ^2/NDF: 48210.2/99

- sign -3.633+/-0.040 χ^2/NDF: 24746.7/51



Right In: -5.307+/-0.054 χ^2/NDF: 48328.1/22

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -3.771+/-0.053 χ^2/NDF: 57318.6/28

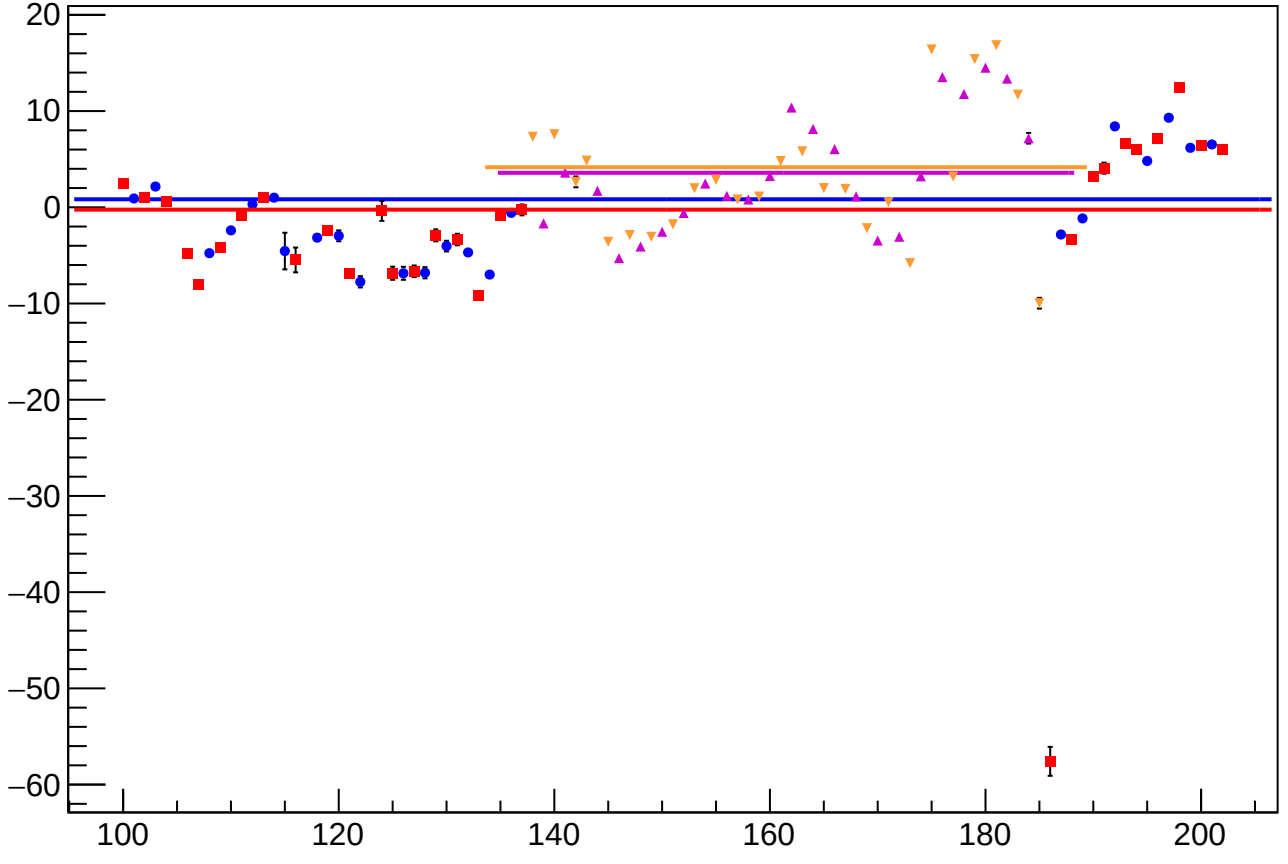
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -1.934+/-0.039 χ^2/NDF: 61043.9/47

All: -1.630+/-0.027 χ^2/NDF: 126871.0/99

- sign -1.319+/-0.039 χ^2/NDF: 65701.0/51

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.833+/-0.049 χ^2/NDF: 4143.4/22

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.246+/-0.047 χ^2/NDF: 8121.1/28

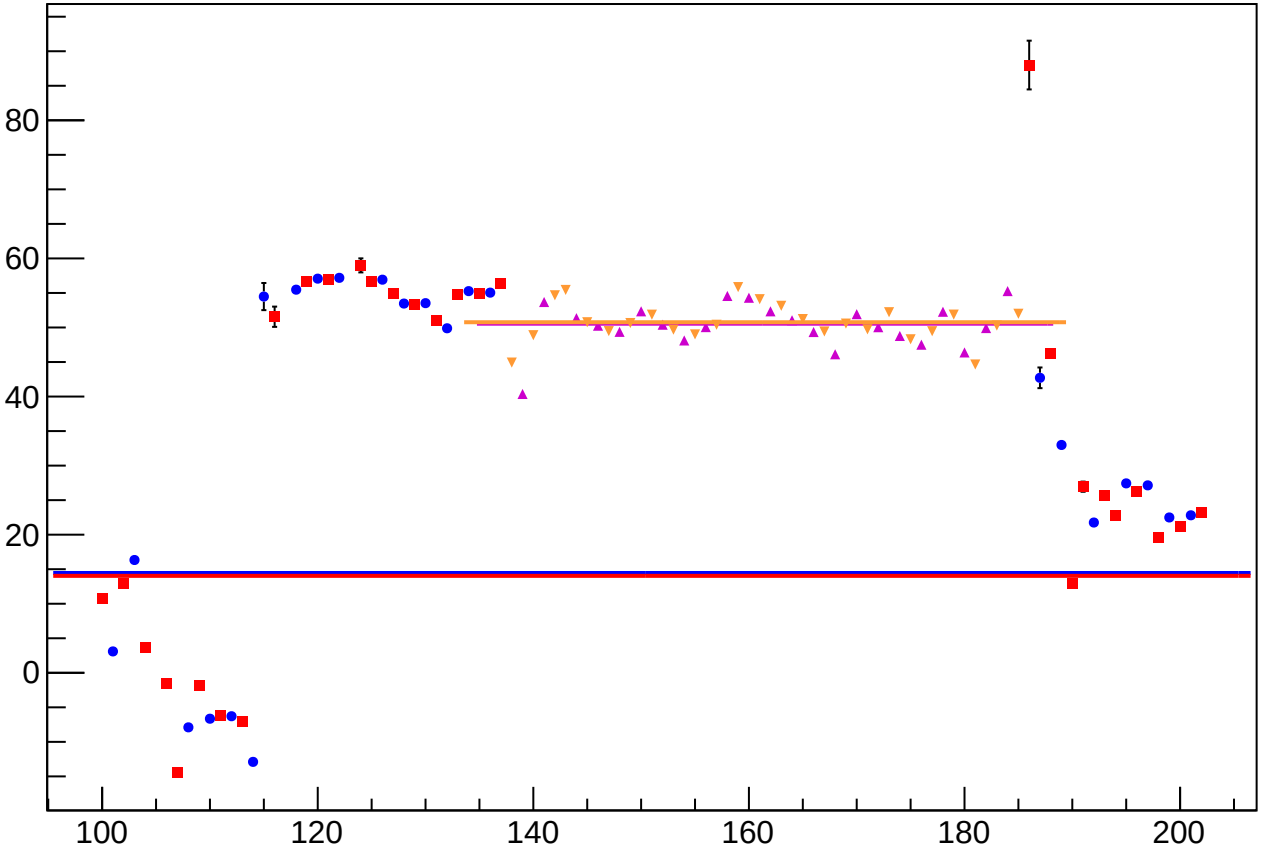
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.893+/-0.041 χ^2/NDF: 14848.0/47

All: 1.361+/-0.028 χ^2/NDF: 32441.8/99

- sign 0.856+/-0.040 χ^2/NDF: 17260.0/51

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 14.453+/-0.064 χ^2/NDF: 112629.6/22

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.038+/-0.063 χ^2/NDF: 129276.8/28

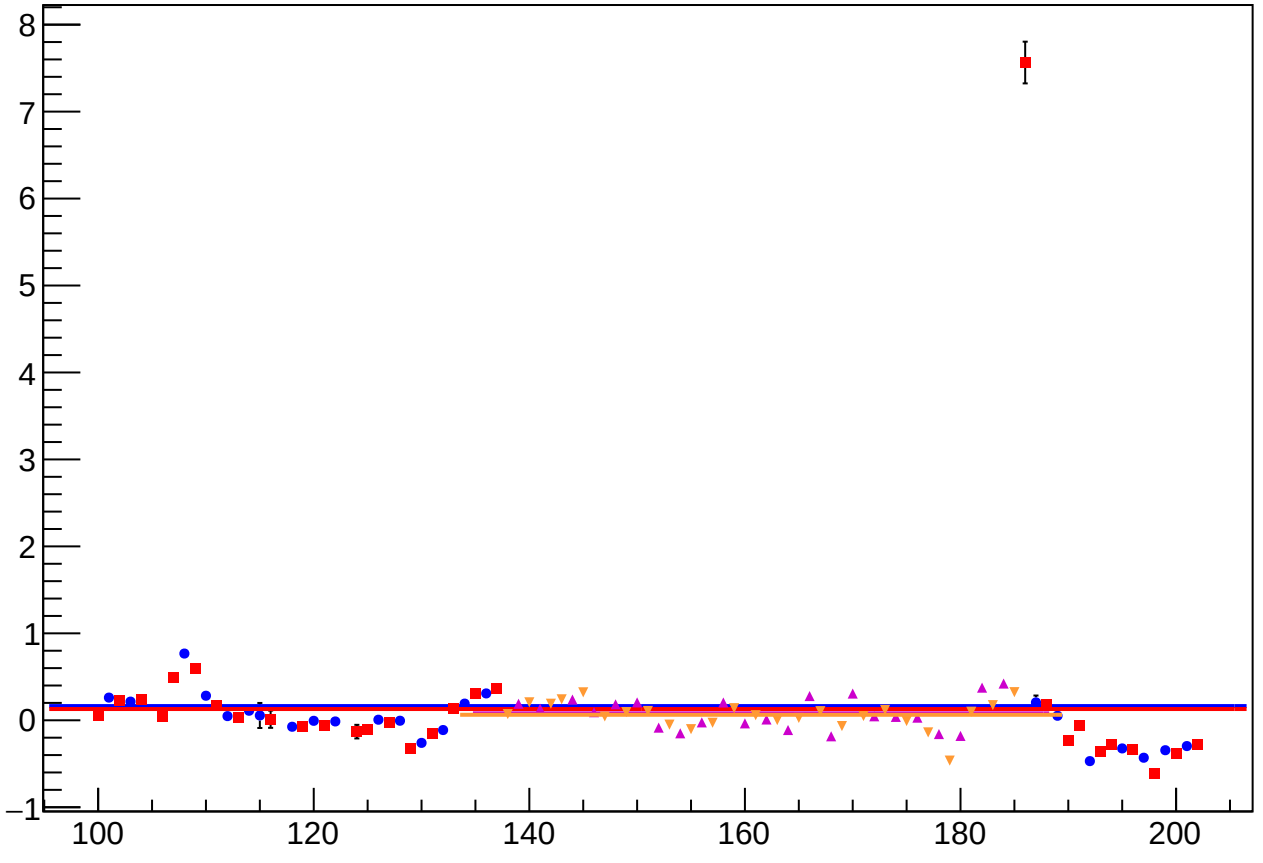
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.142+/-0.045 χ^2/NDF: 278474.1/47

All: 32.450+/-0.032 χ^2/NDF: 573587.1/99

- sign 31.749+/-0.045 χ^2/NDF: 294633.1/51

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.003 χ^2/NDF: 12358.6/22

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.130+/-0.002 χ^2/NDF: 12481.5/28

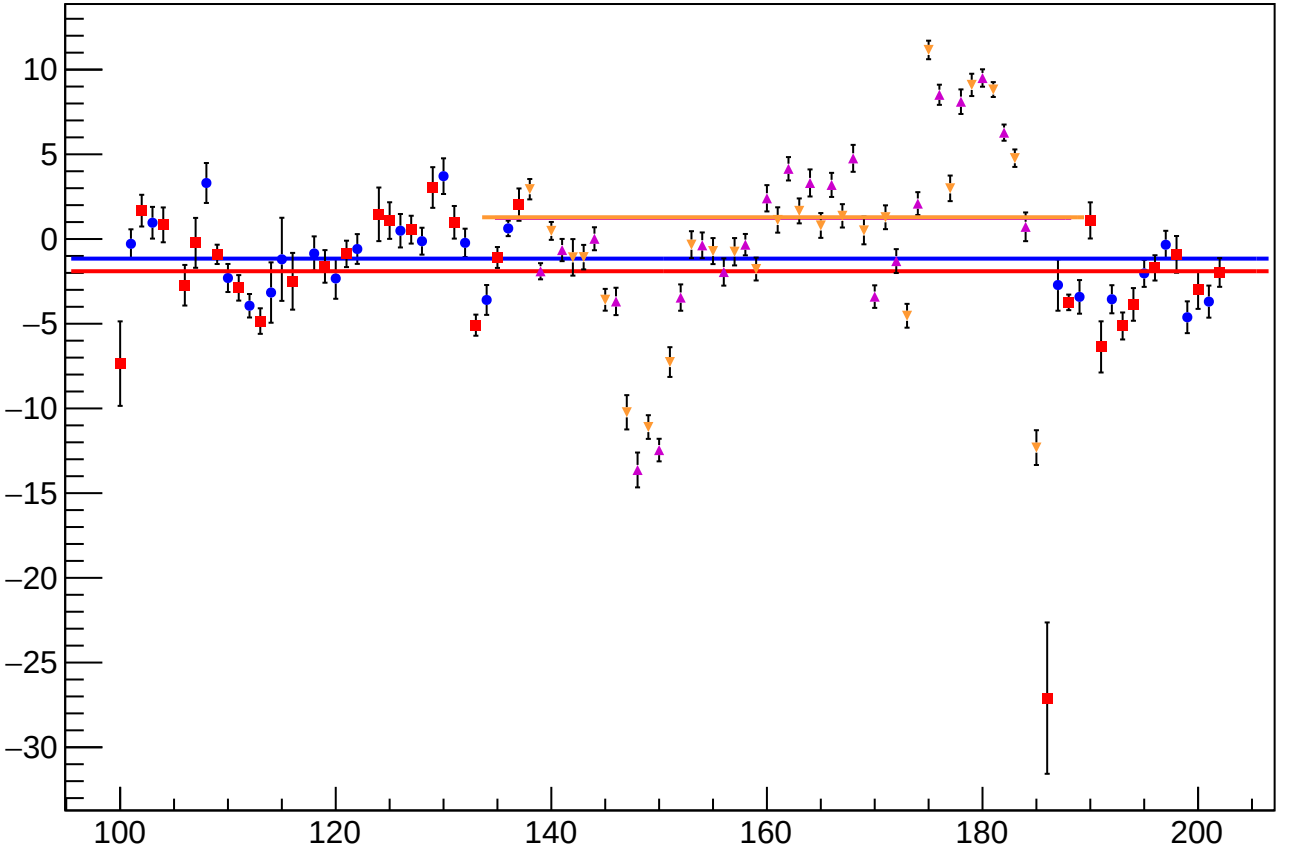
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.118+/-0.002 χ^2/NDF: 15628.1/47

All: 0.113+/-0.001 χ^2/NDF: 31748.6/99

- sign 0.108+/-0.002 χ^2/NDF: 16106.7/51

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.157+/-0.184 χ^2/NDF: 128.7/22

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.901+/-0.163 χ^2/NDF: 228.9/28

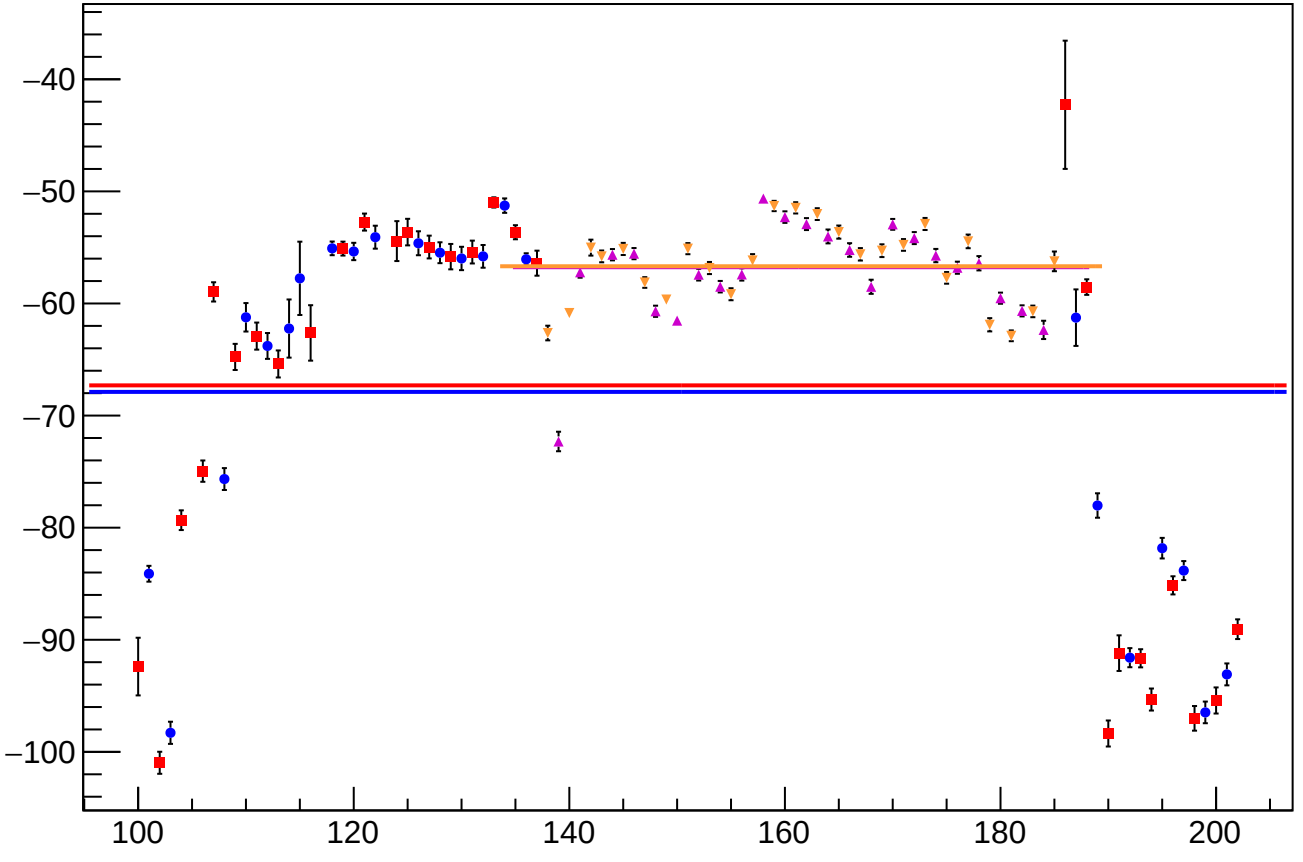
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.415+/-0.110 χ^2/NDF: 1957.2/47

All: 0.154+/-0.076 χ^2/NDF: 3923.0/99

- sign -0.091+/-0.106 χ^2/NDF: 1954.9/51

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -67.887+/-0.189 χ^2/NDF: 7231.0/22

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -67.306+/-0.172 χ^2/NDF: 10063.4/28

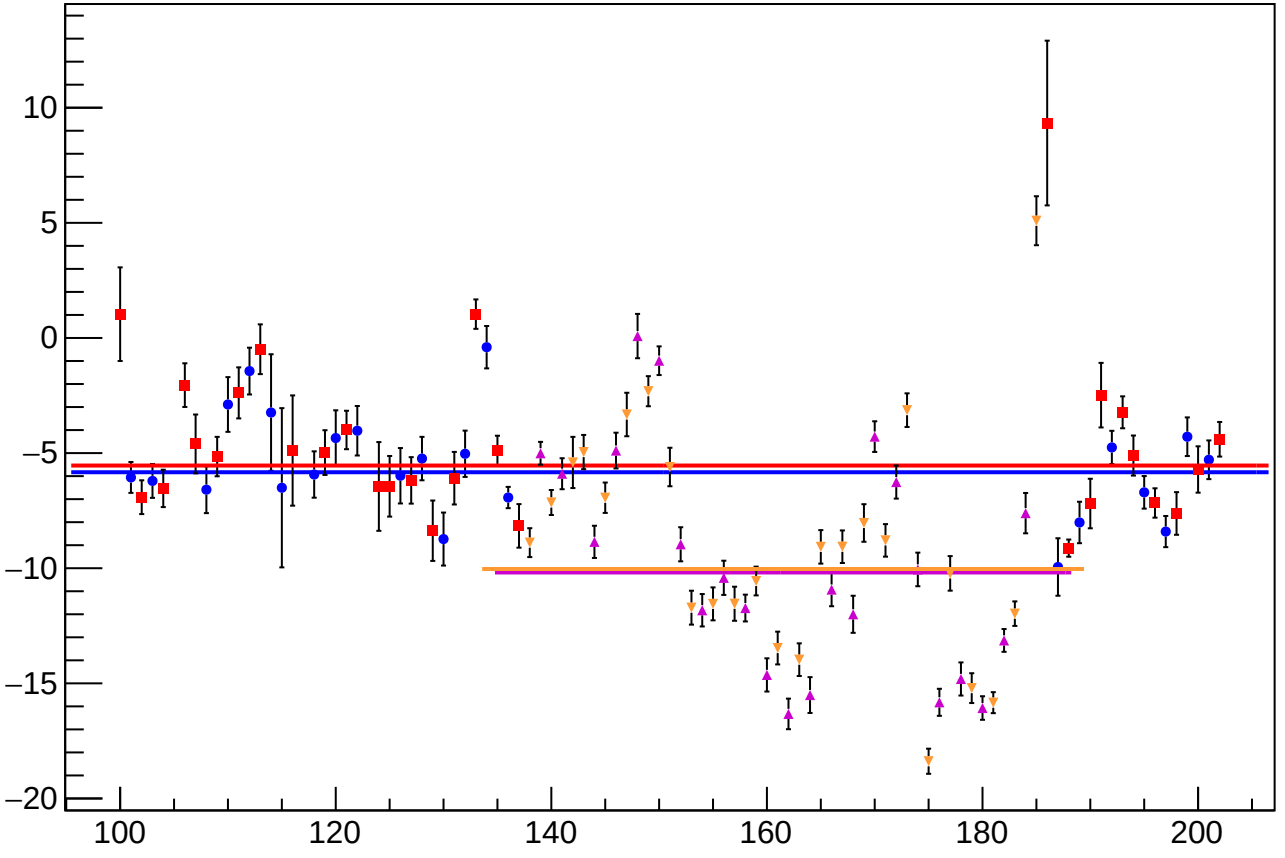
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -59.403+/-0.093 χ^2/NDF: 10900.4/47

All: -59.645+/-0.066 χ^2/NDF: 24714.4/99

- sign -59.890+/-0.094 χ^2/NDF: 13800.5/51

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.831+/-0.183 χ^2/NDF: 117.9/22

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.541+/-0.161 χ^2/NDF: 326.2/28

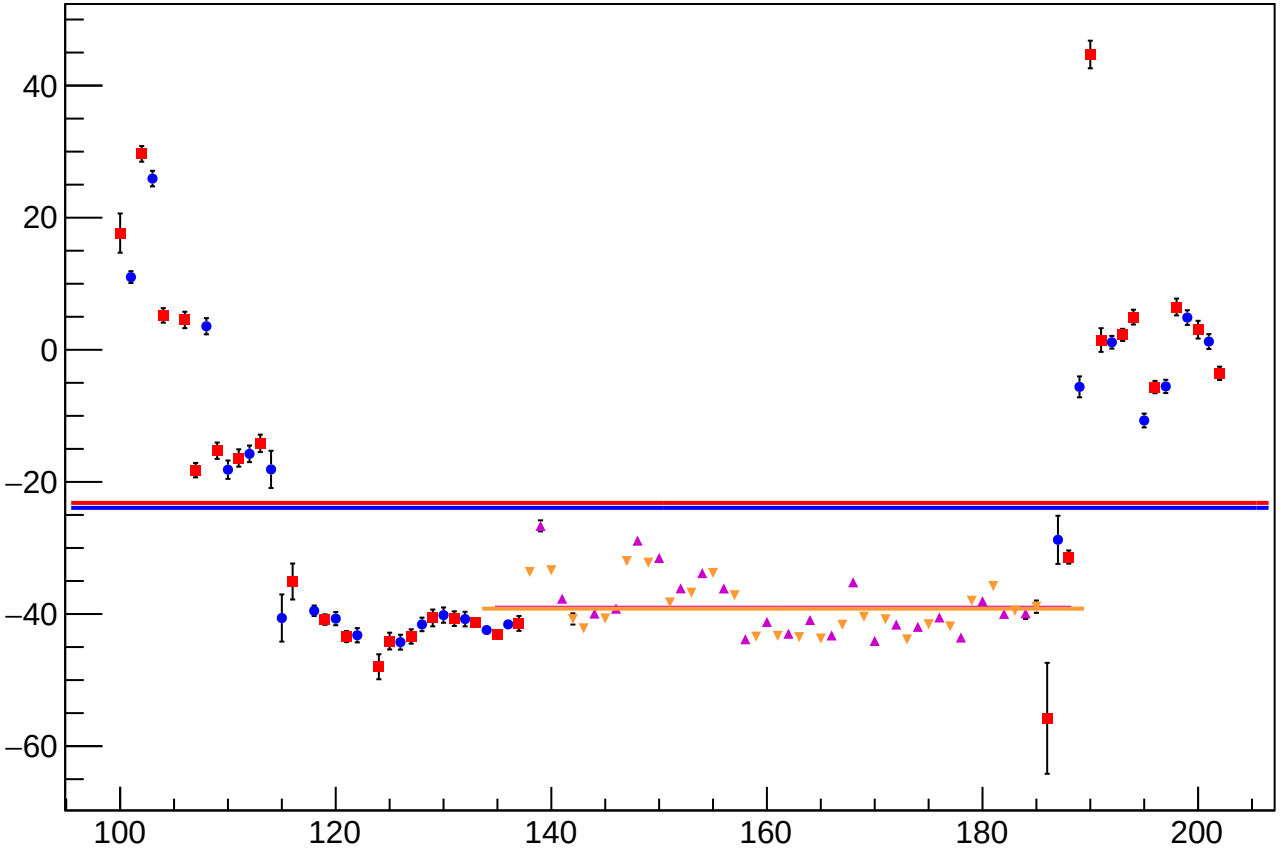
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.540+/-0.109 χ^2/NDF: 1638.6/47

All: -8.363+/-0.076 χ^2/NDF: 3588.9/99

- sign -8.198+/-0.105 χ^2/NDF: 1945.2/51

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -23.927+/-0.218 χ^2/NDF: 10133.8/22

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -23.176+/-0.202 χ^2/NDF: 12453.4/28

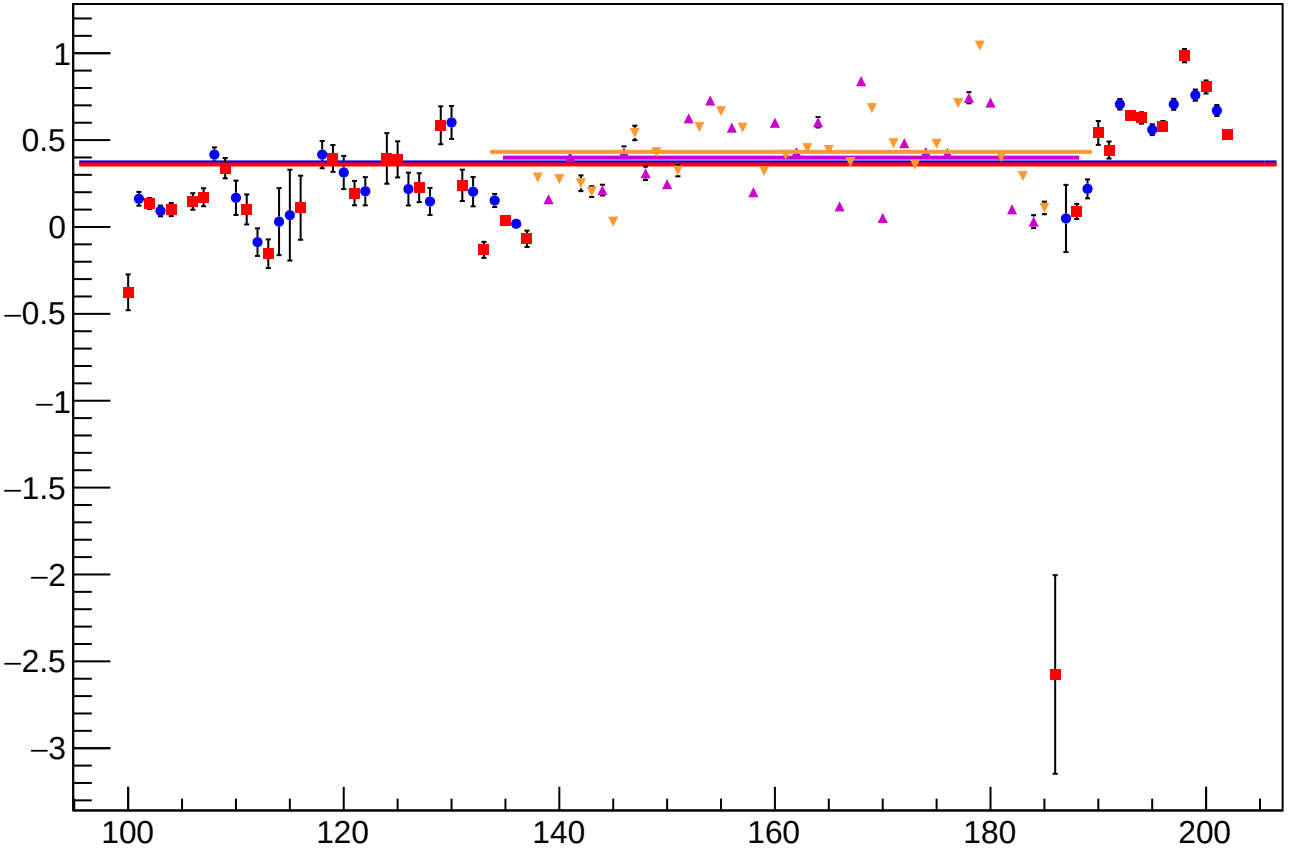
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -35.624+/-0.105 χ^2/NDF: 14937.8/47

All: -35.158+/-0.075 χ^2/NDF: 33138.2/99

- sign -34.685+/-0.106 χ^2/NDF: 18160.7/51

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.372+/-0.009 χ^2/NDF: 995.9/22

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.360+/-0.009 χ^2/NDF: 1345.1/28

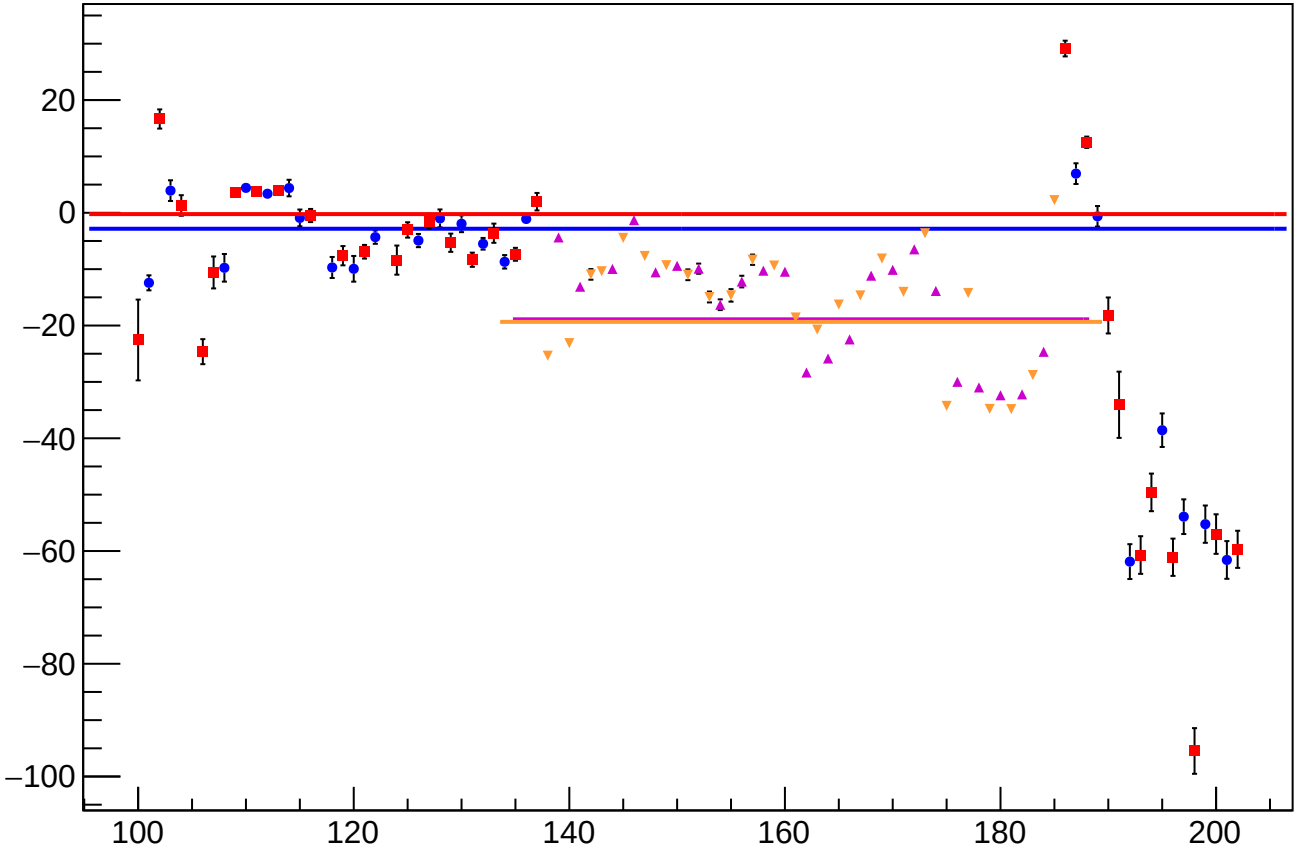
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.417+/-0.005 χ^2/NDF: 2397.4/47

All: 0.402+/-0.003 χ^2/NDF: 5701.8/99

- sign 0.388+/-0.005 χ^2/NDF: 3283.9/51

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -2.831+/-0.269 χ^2/NDF: 1744.2/22

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.231+/-0.248 χ^2/NDF: 3219.8/28

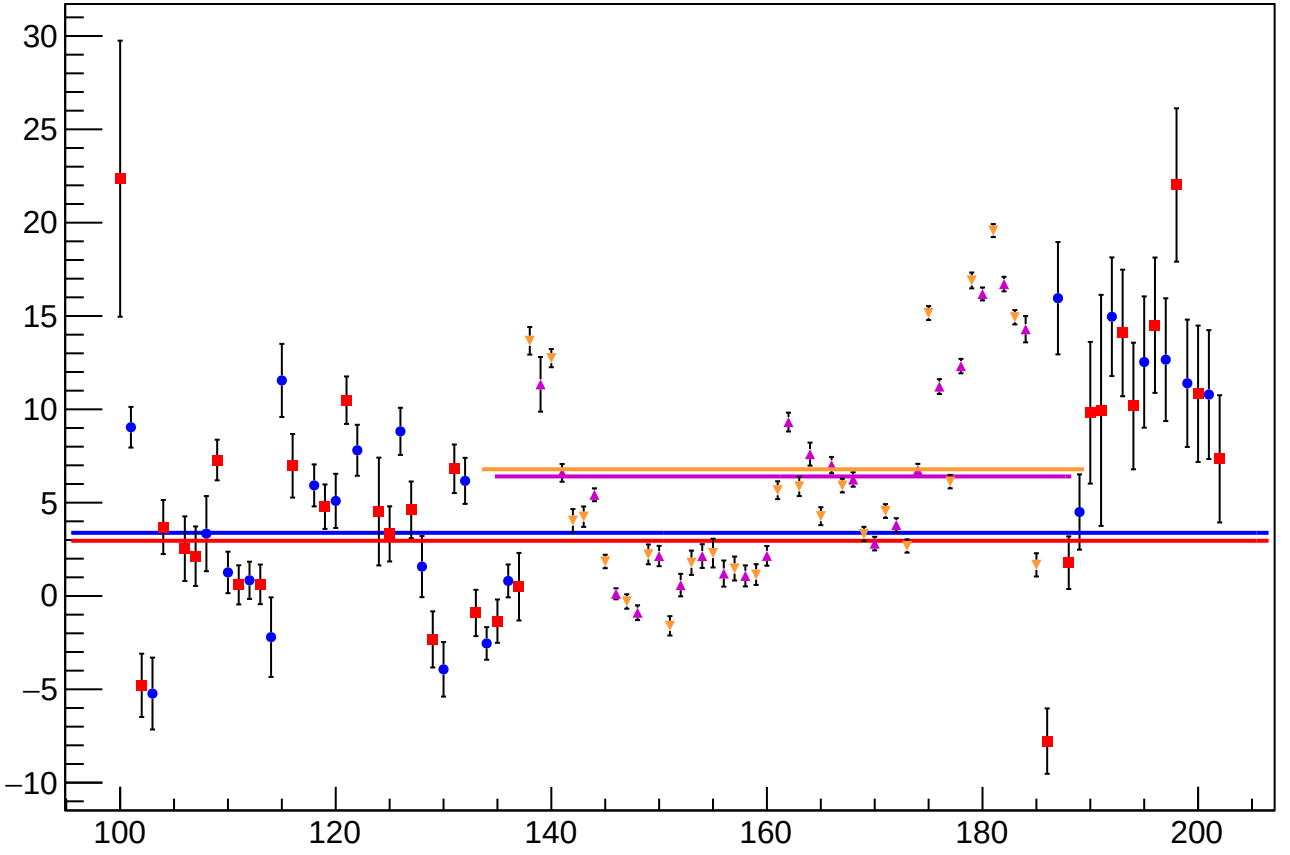
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.858+/-0.104 χ^2/NDF: 15337.2/47

All: -16.206+/-0.074 χ^2/NDF: 31569.1/99

- sign -15.545+/-0.105 χ^2/NDF: 16153.3/51

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.385+/-0.302 χ^2/NDF: 258.6/22

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.958+/-0.301 χ^2/NDF: 241.2/28

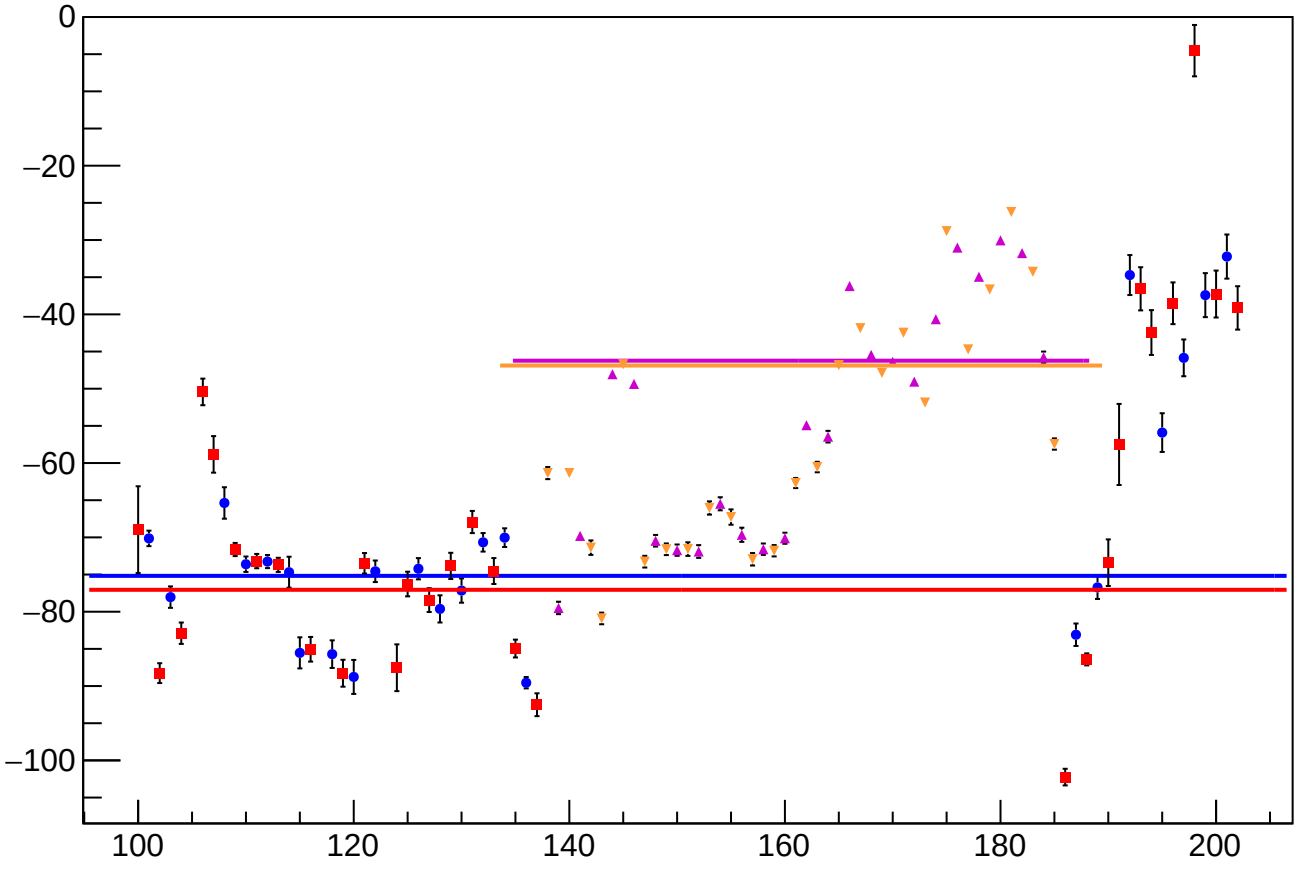
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.509+/-0.086 χ^2/NDF: 5007.9/47

All: 6.314+/-0.061 χ^2/NDF: 8789.7/99

- sign 6.115+/-0.087 χ^2/NDF: 3771.5/51

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -75.175+/-0.303 χ^2/NDF: 1361.1/22

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -77.053+/-0.284 χ^2/NDF: 2636.1/28

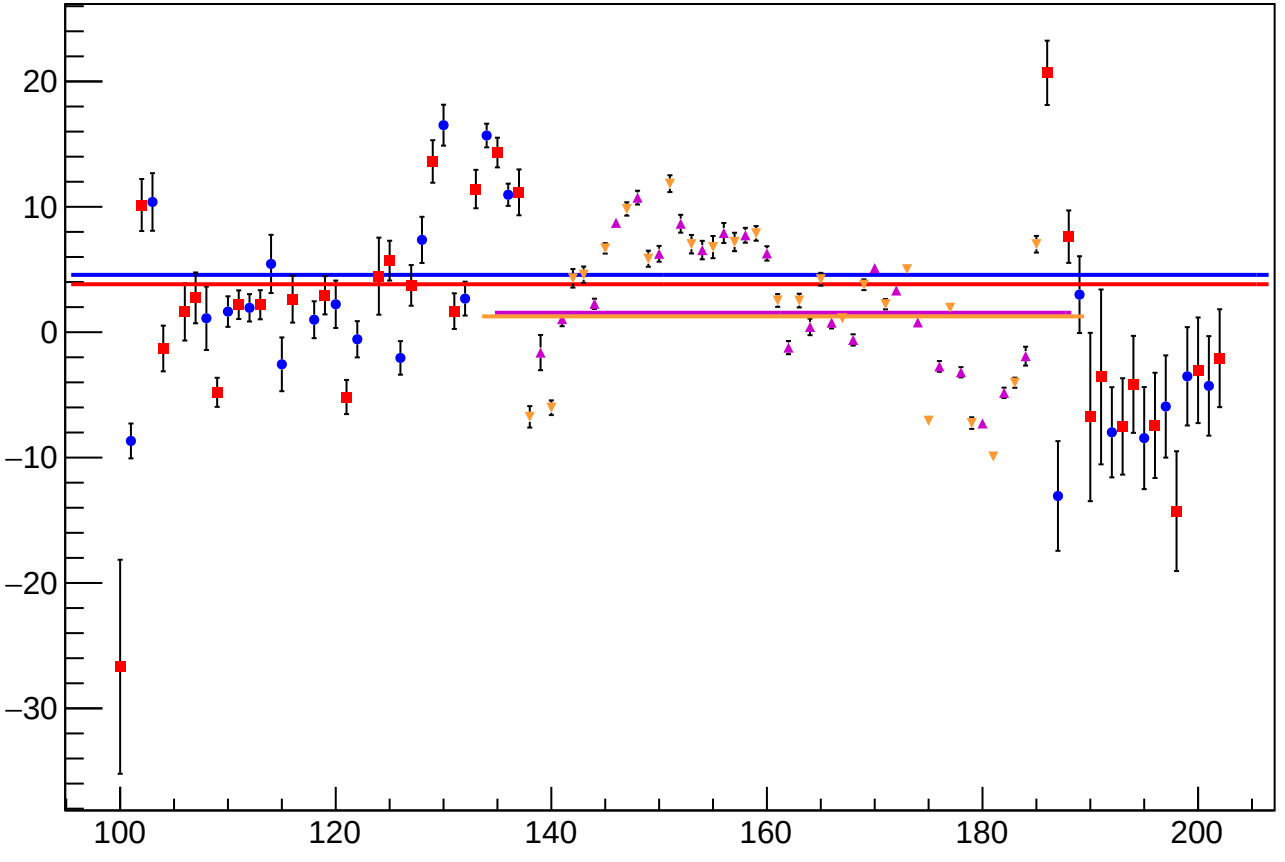
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.393+/-0.107 χ^2/NDF: 26992.2/47

All: -50.521+/-0.076 χ^2/NDF: 54880.1/99

- sign -50.652+/-0.108 χ^2/NDF: 27885.0/51

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.574+/-0.340 χ^2/NDF: 469.7/22

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.824+/-0.344 χ^2/NDF: 381.1/28

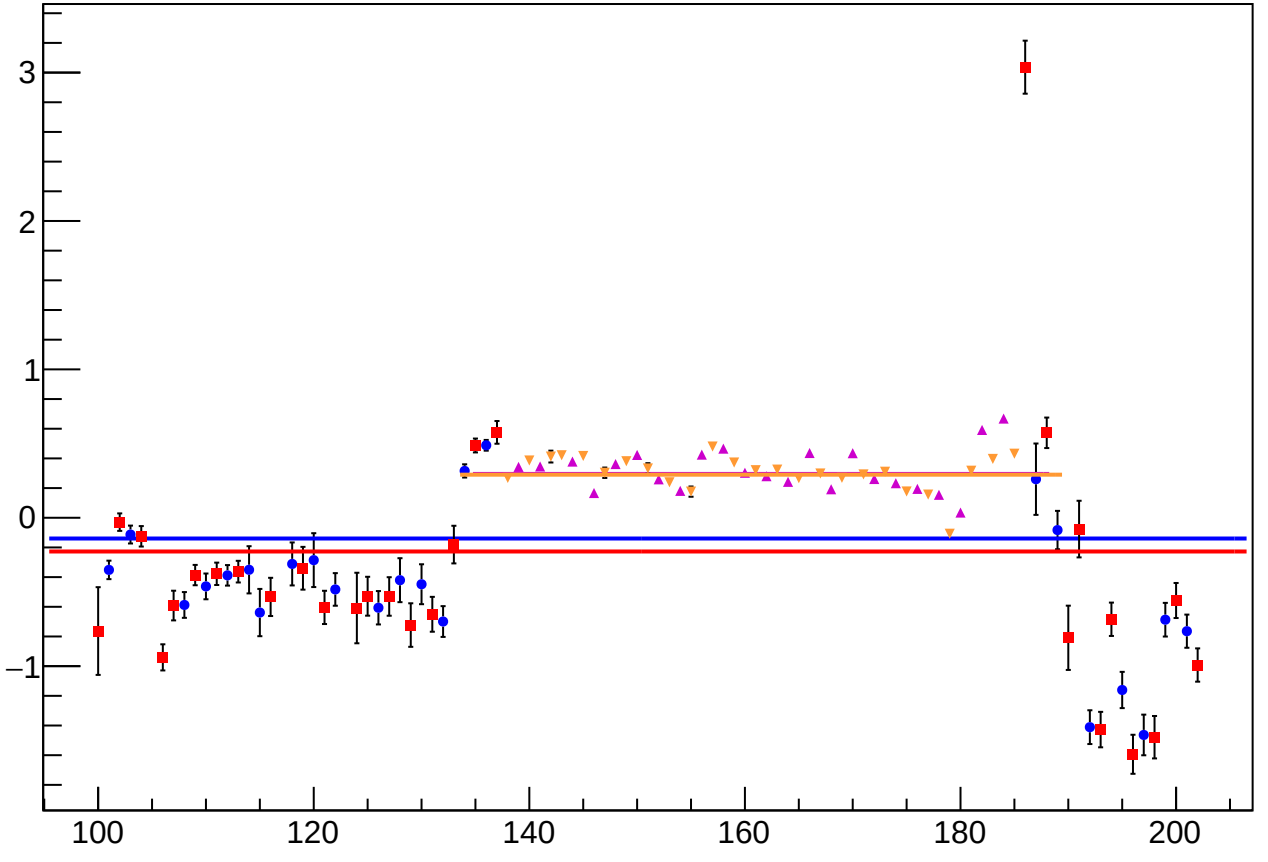
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.527+/-0.096 χ^2/NDF: 4002.7/47

All: 1.629+/-0.069 χ^2/NDF: 6761.8/99

- sign 1.734+/-0.098 χ^2/NDF: 2756.8/51

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.140+/-0.018 χ^2/NDF: 894.5/22

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.227+/-0.018 χ^2/NDF: 1265.9/28

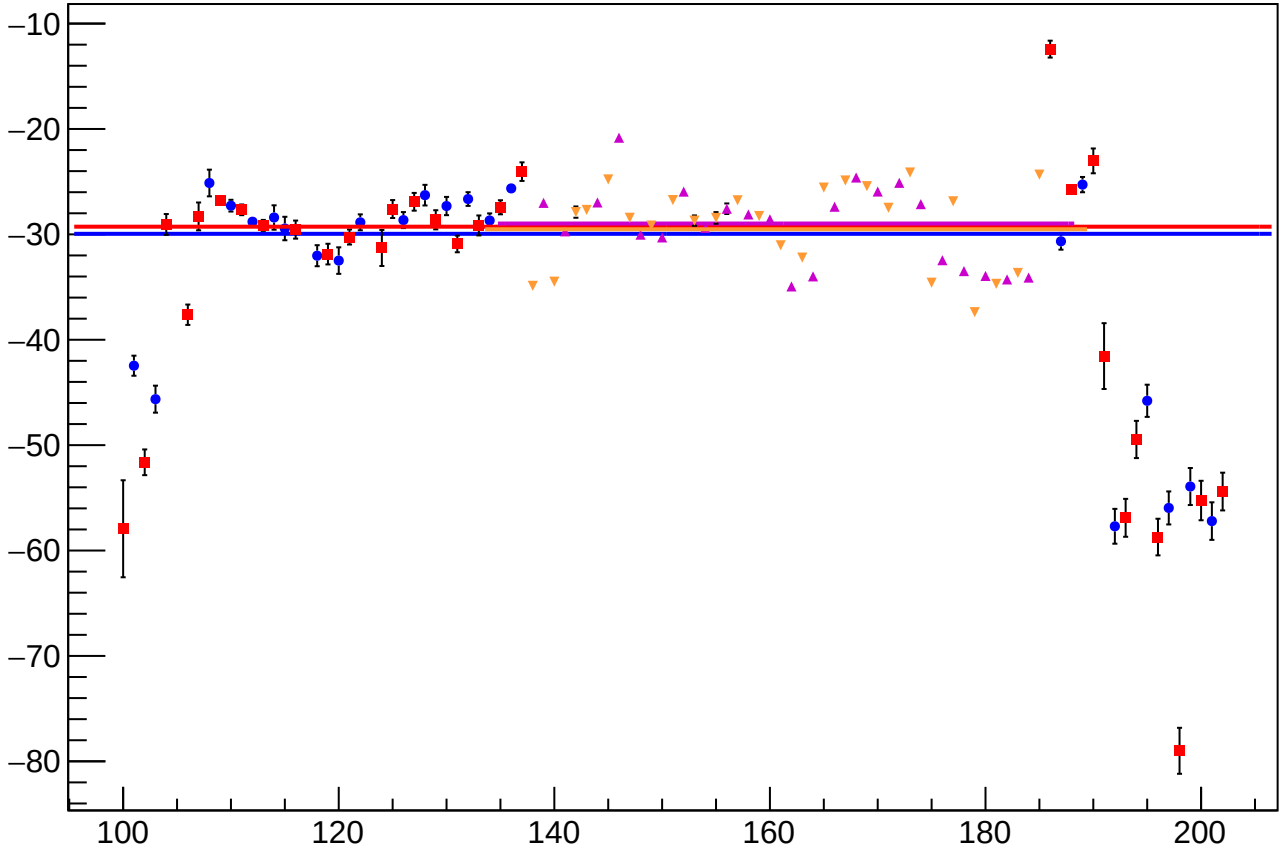
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.264+/-0.004 χ^2/NDF: 2173.3/47

All: 0.264+/-0.003 χ^2/NDF: 5253.0/99

- sign 0.264+/-0.004 χ^2/NDF: 3079.7/51

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -29.948+/-0.171 χ^2/NDF: 1660.2/22

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.272+/-0.159 χ^2/NDF: 2671.9/28

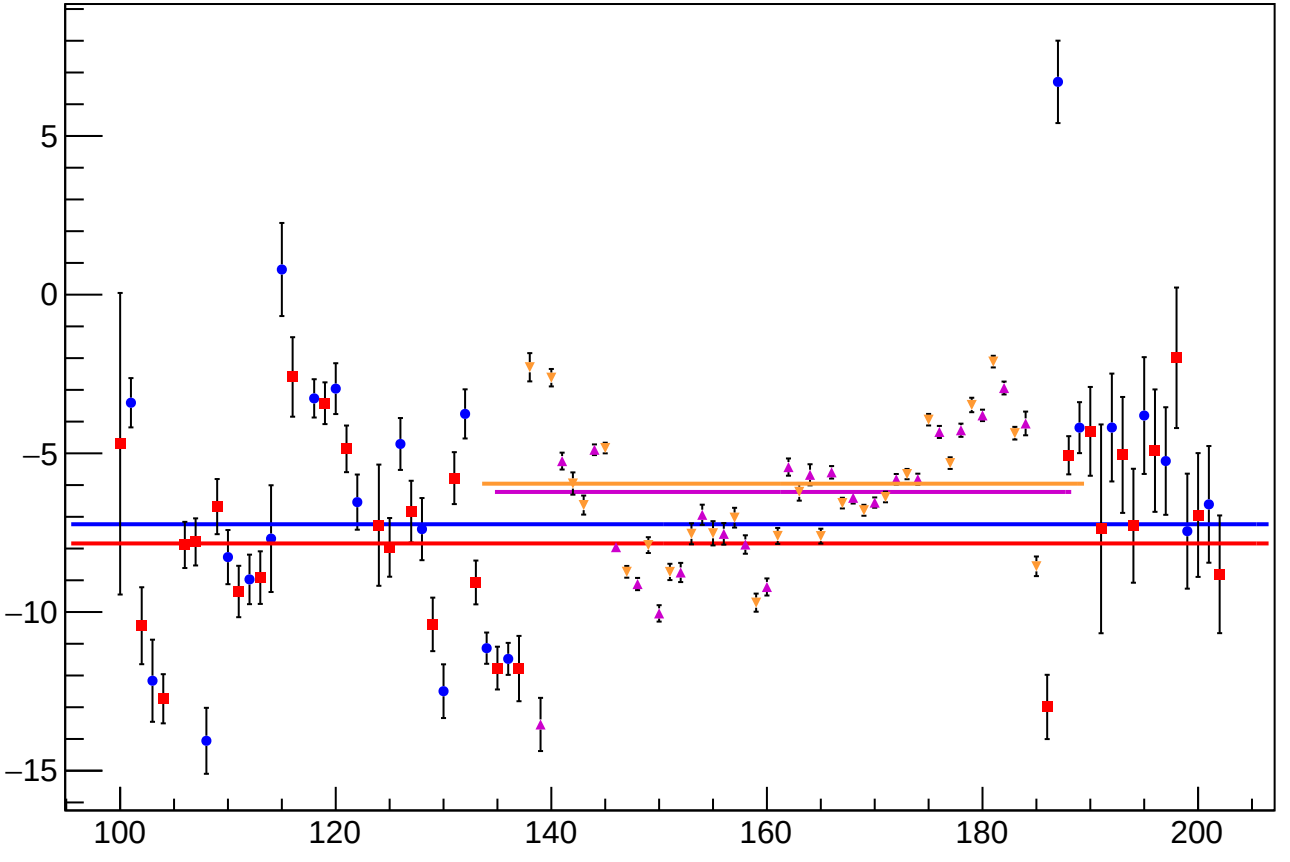
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.558+/-0.053 χ^2/NDF: 7754.4/47

All: -29.283+/-0.038 χ^2/NDF: 15831.4/99

- sign -29.005+/-0.054 χ^2/NDF: 8023.7/51

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.234+/-0.182 χ^2/NDF: 530.6/22

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.839+/-0.177 χ^2/NDF: 265.3/28

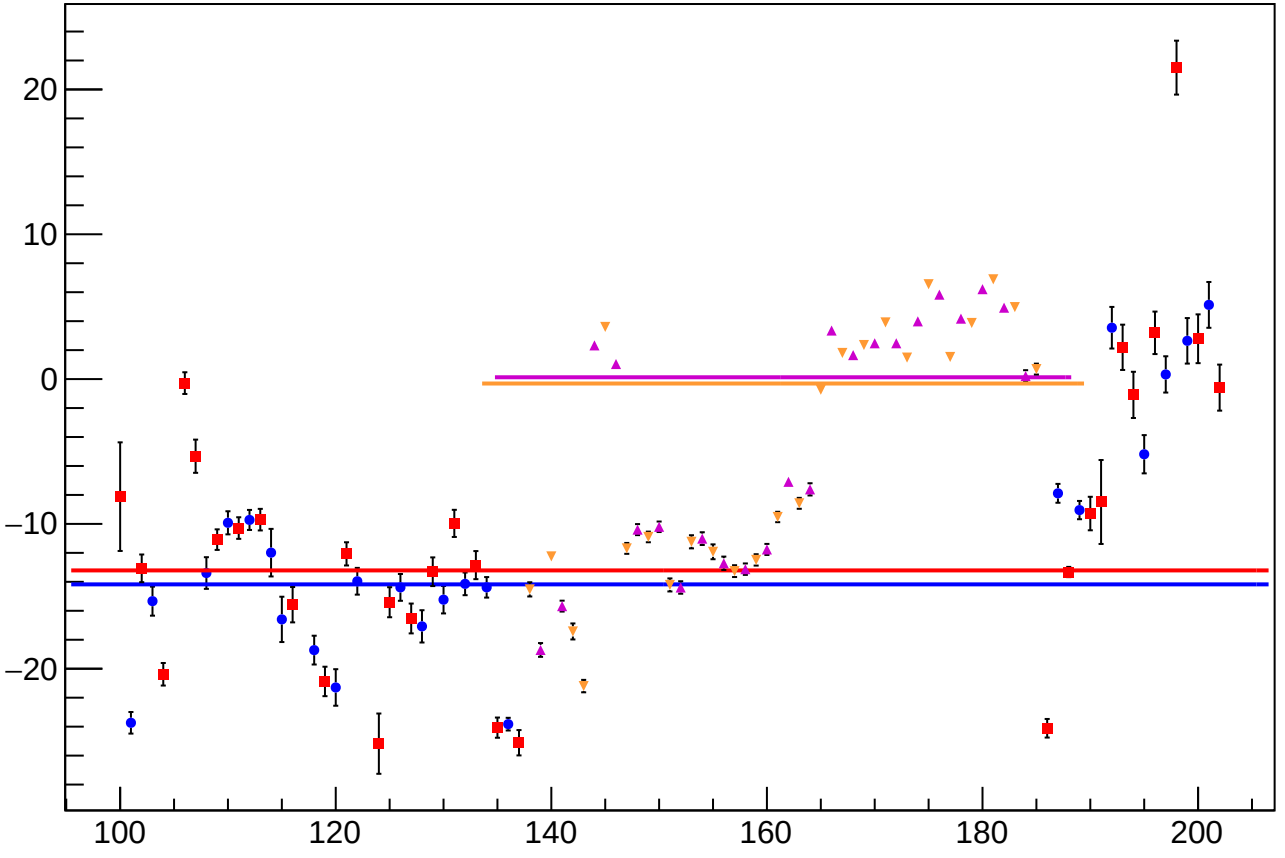
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.028+/-0.043 χ^2/NDF: 2434.8/47

All: -6.171+/-0.030 χ^2/NDF: 4542.4/99

- sign -6.312+/-0.043 χ^2/NDF: 2085.9/51

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -14.176+/-0.182 χ^2/NDF: 1542.2/22

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.212+/-0.166 χ^2/NDF: 2111.0/28

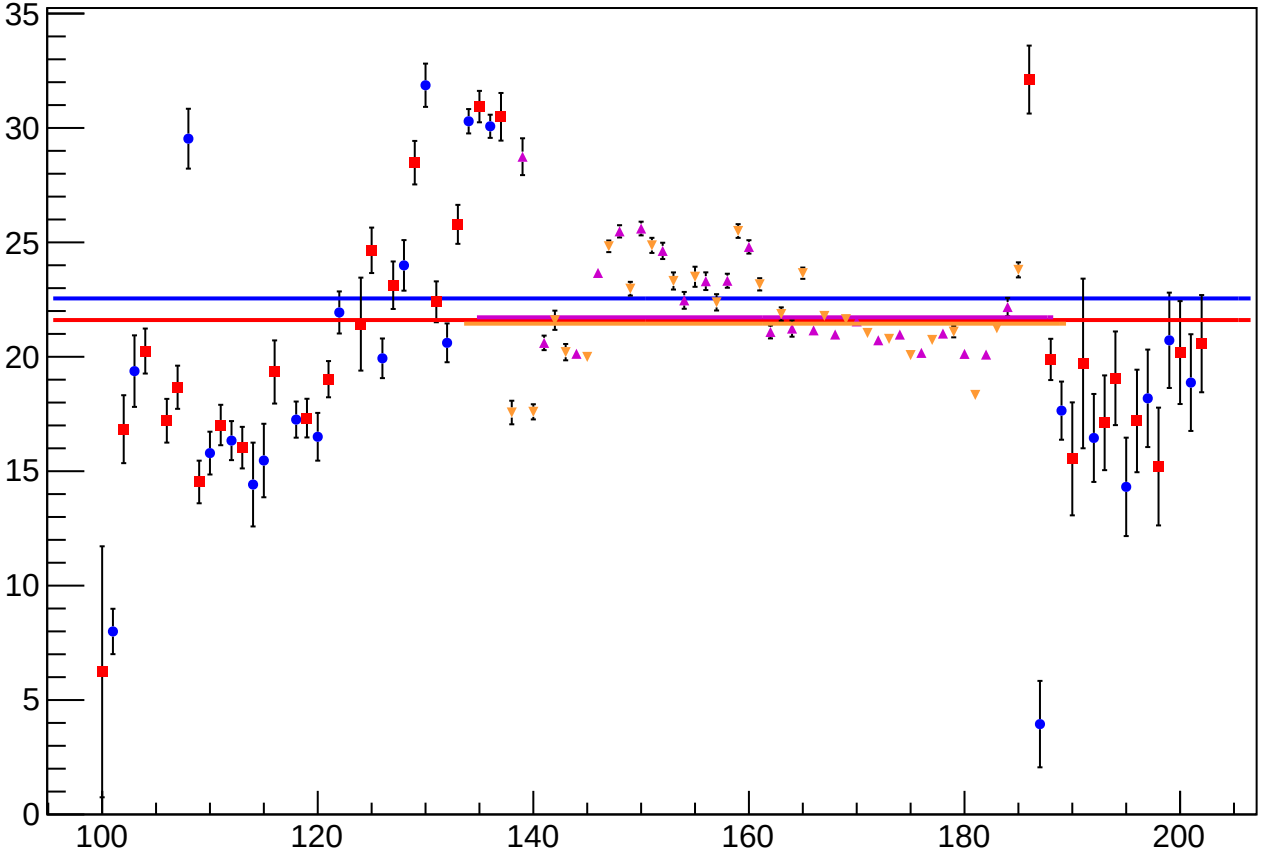
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

\+ sign -1.527+/-0.054 χ^2/NDF: 24017.6/47

All: -1.407+/-0.038 χ^2/NDF: 45774.1/99

\- sign -1.287+/-0.054 χ^2/NDF: 21746.7/51

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.550+/-0.208 χ^2/NDF: 1162.1/22

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.606+/-0.208 χ^2/NDF: 635.5/28

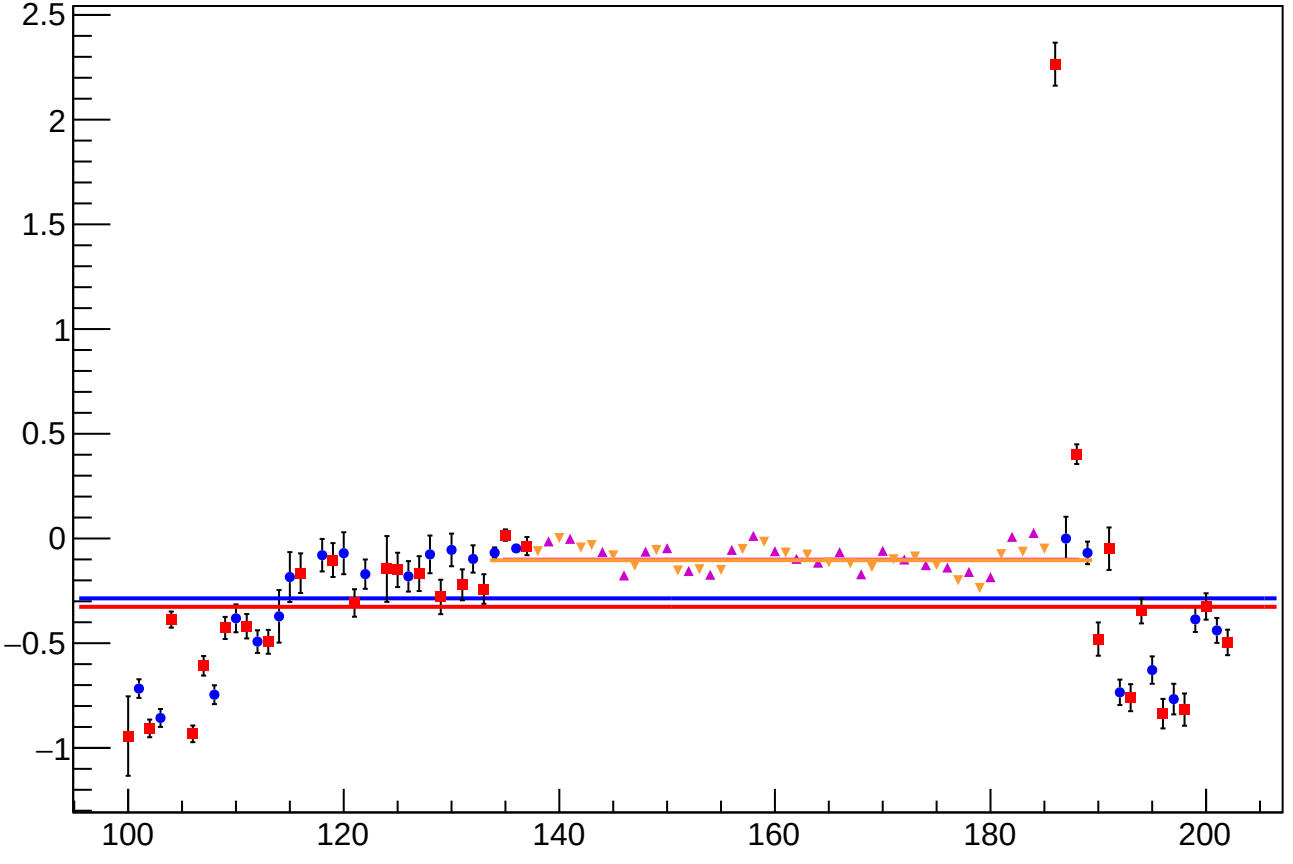
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

\+ sign 21.506+/-0.048 χ^2/NDF: 2513.9/47

All: 21.612+/-0.034 χ^2/NDF: 4333.2/99

\- sign 21.719+/-0.048 χ^2/NDF: 1809.5/51

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.011 χ^2/NDF: 801.1/22

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.326+/-0.011 χ^2/NDF: 1747.8/28

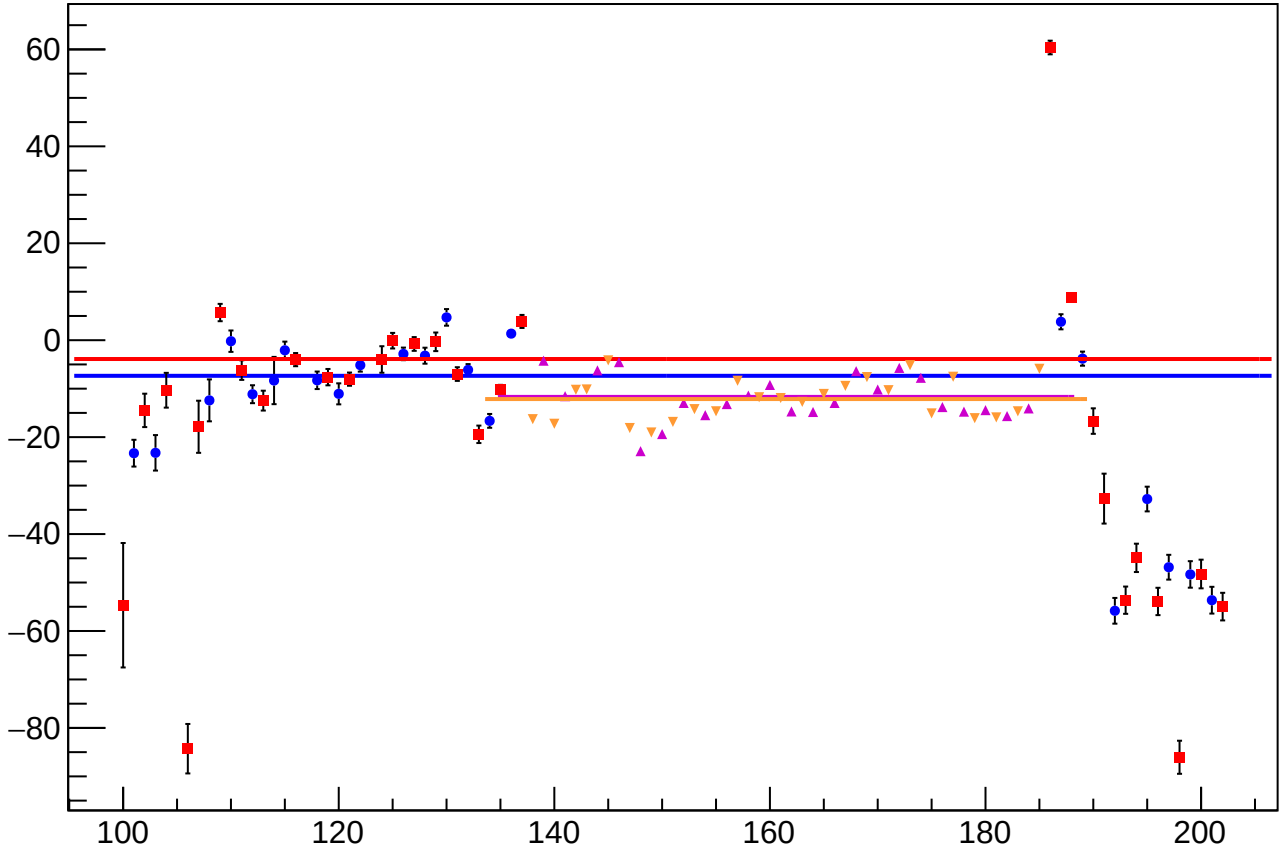
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1635.7/47

All: -0.111+/-0.002 χ^2/NDF: 4566.9/99

- sign -0.111+/-0.002 χ^2/NDF: 2931.2/51

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -7.347+/-0.344 χ^2/NDF: 1593.0/22

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -3.881+/-0.336 χ^2/NDF: 4827.1/28

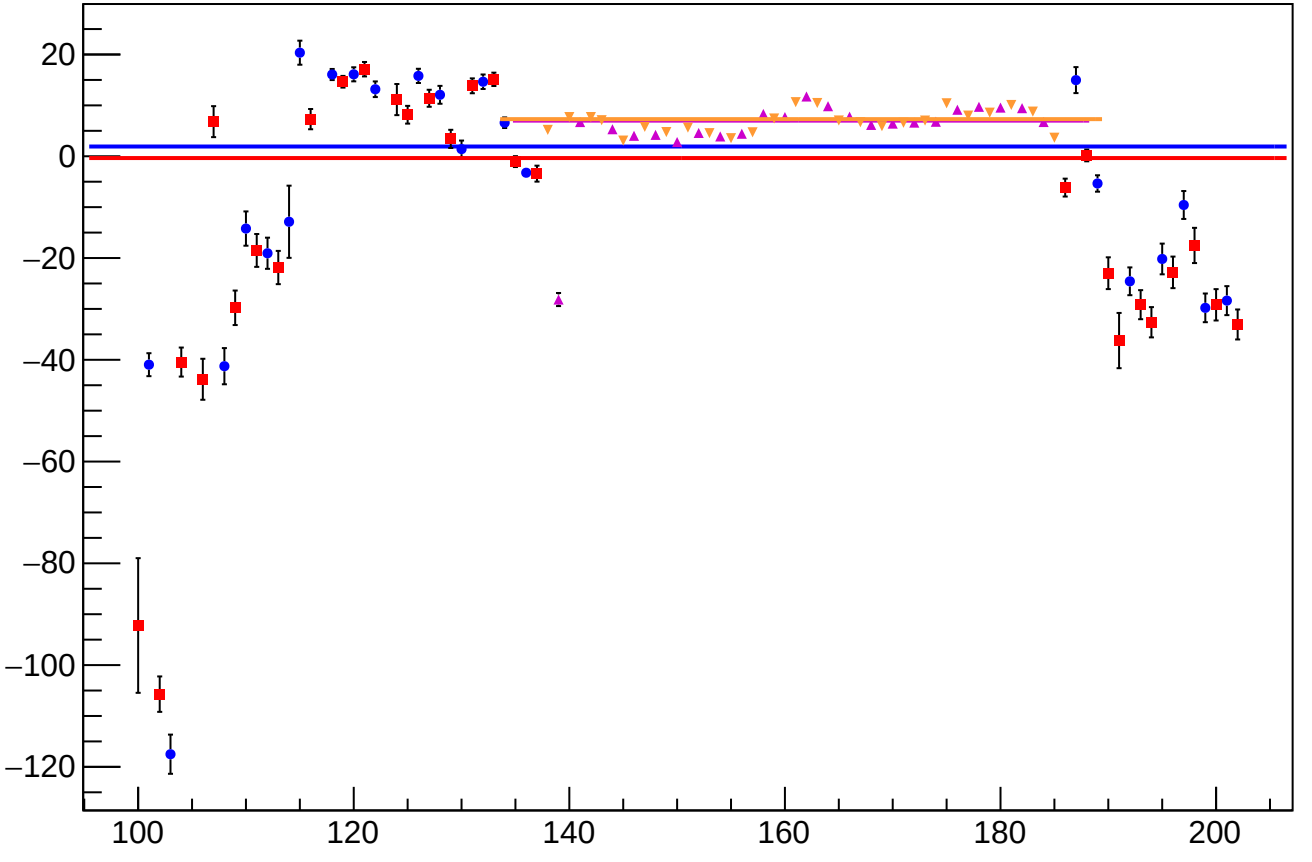
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.826+/-0.088 χ^2/NDF: 3905.1/47

All: -11.485+/-0.063 χ^2/NDF: 11216.6/99

- sign -11.126+/-0.091 χ^2/NDF: 7281.0/51

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 1.917+/-0.356 χ^2/NDF: 2658.4/22

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -0.351+/-0.366 χ^2/NDF: 2714.5/28

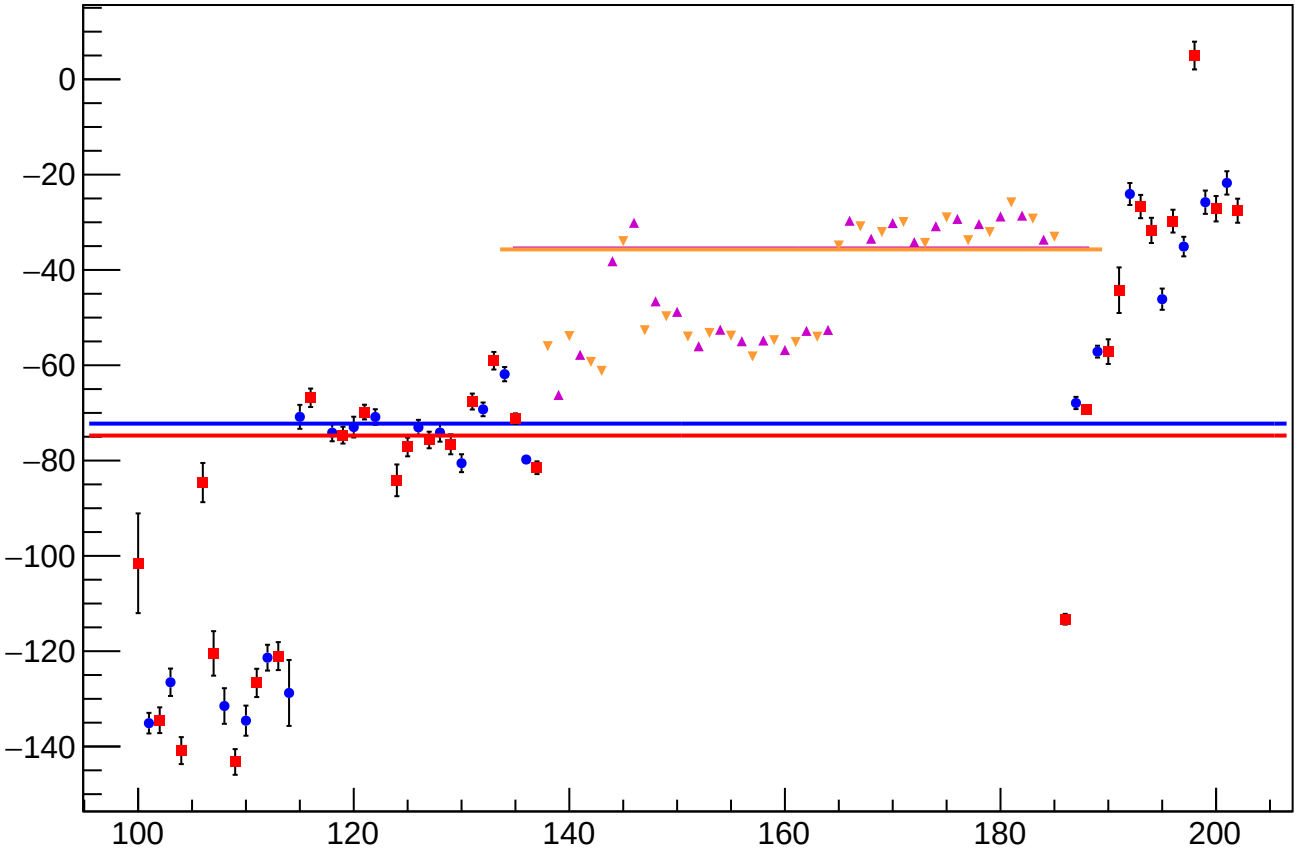
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.068+/-0.073 χ^2/NDF: 3700.4/47

All: 6.887+/-0.052 χ^2/NDF: 8390.1/99

- sign 6.701+/-0.074 χ^2/NDF: 4677.3/51

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -72.248+/-0.354 χ^2/NDF: 4280.1/22

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -74.750+/-0.336 χ^2/NDF: 6261.5/28

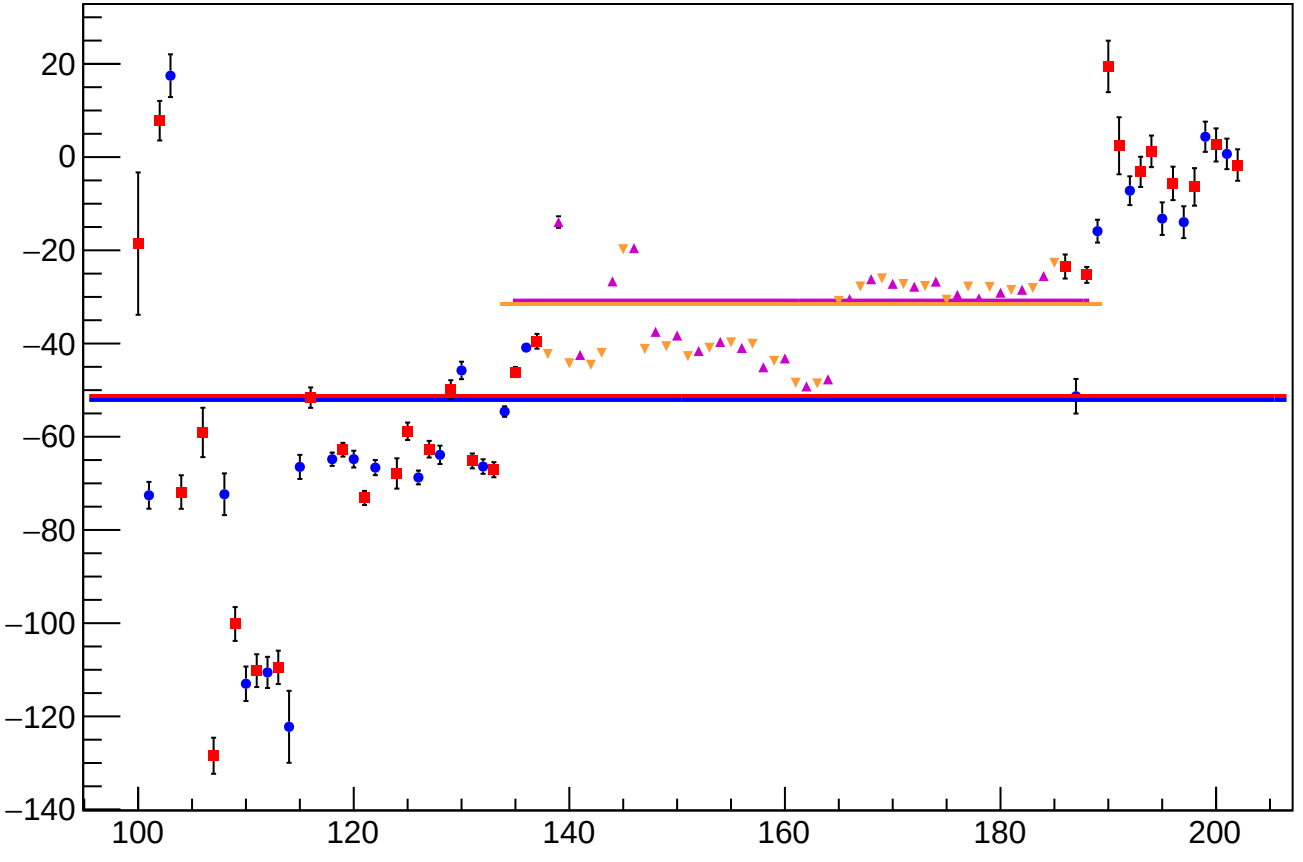
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.012+/-0.089 χ^2/NDF: 27036.0/47

All: -38.193+/-0.064 χ^2/NDF: 57122.2/99

- sign -38.381+/-0.091 χ^2/NDF: 30077.7/51

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -52.101+/-0.401 χ^2/NDF: 2904.7/22

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -51.259+/-0.424 χ^2/NDF: 3735.3/28

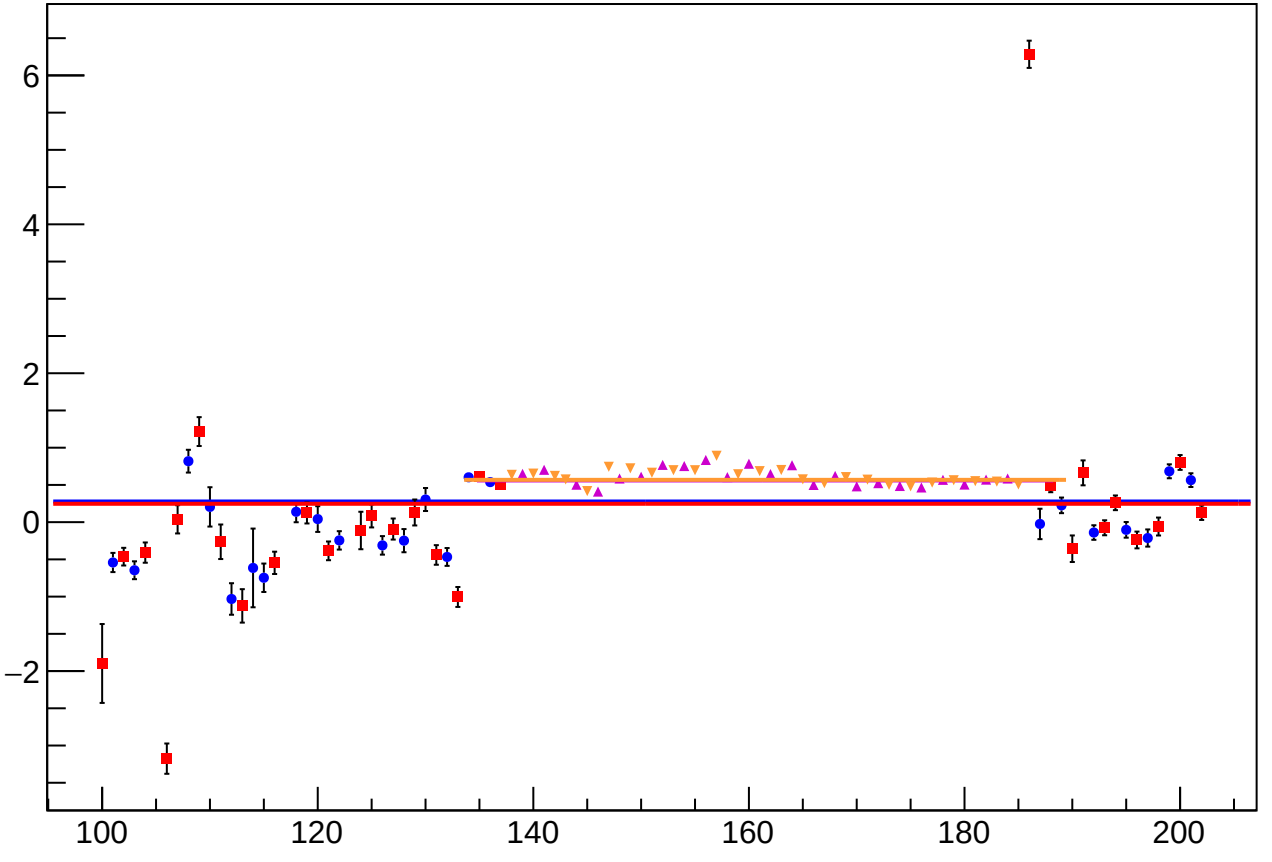
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.361+/-0.081 χ^2/NDF: 13888.1/47

All: -31.972+/-0.058 χ^2/NDF: 27462.6/99

- sign -31.568+/-0.083 χ^2/NDF: 13527.6/51

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.278+/-0.020 χ^2/NDF: 456.2/22

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.247+/-0.021 χ^2/NDF: 1874.7/28

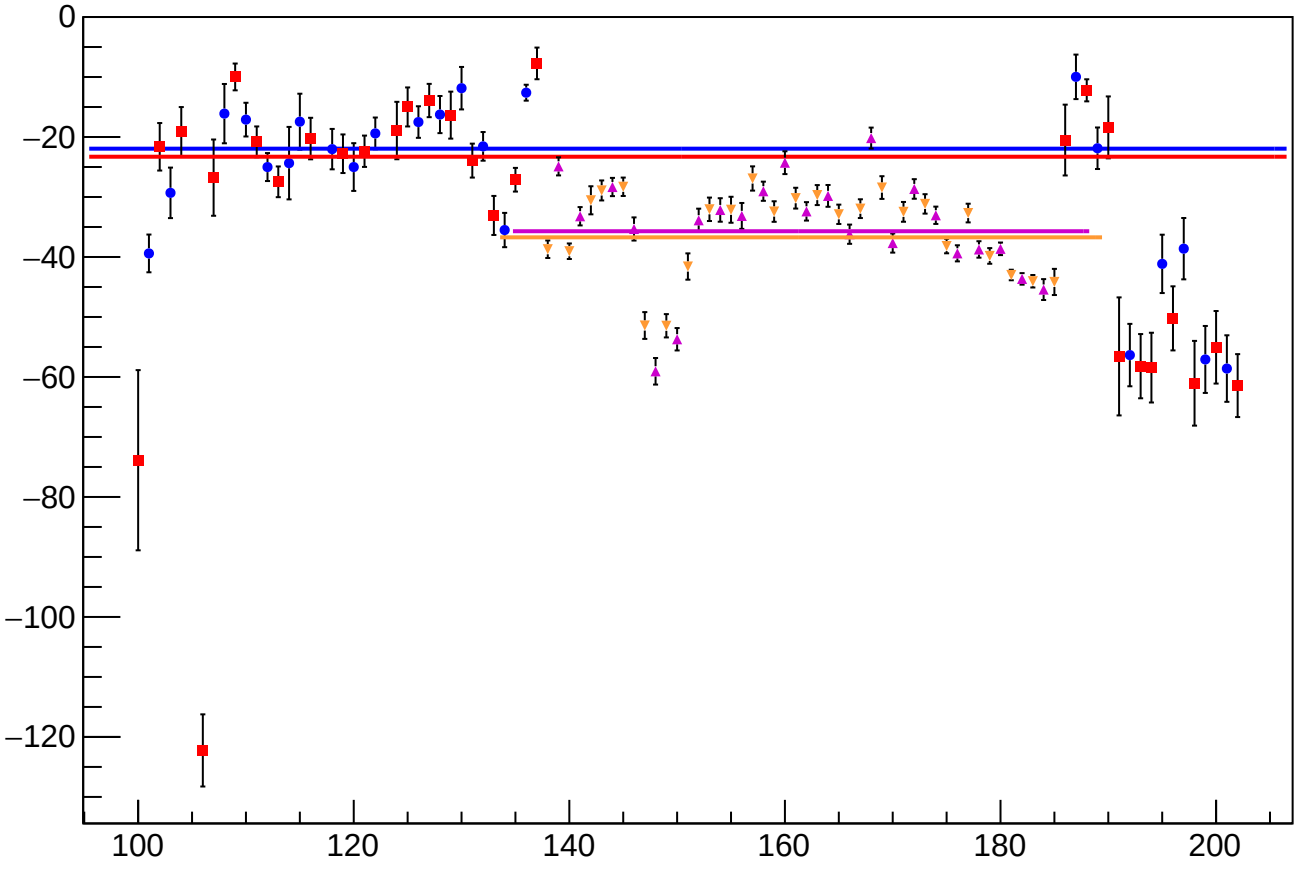
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.559+/-0.004 χ^2/NDF: 1216.3/47

All: 0.555+/-0.003 χ^2/NDF: 3975.8/99

- sign 0.550+/-0.004 χ^2/NDF: 2757.0/51

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -21.945+/-0.644 χ^2/NDF: 292.6/22

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.287+/-0.630 χ^2/NDF: 655.4/28

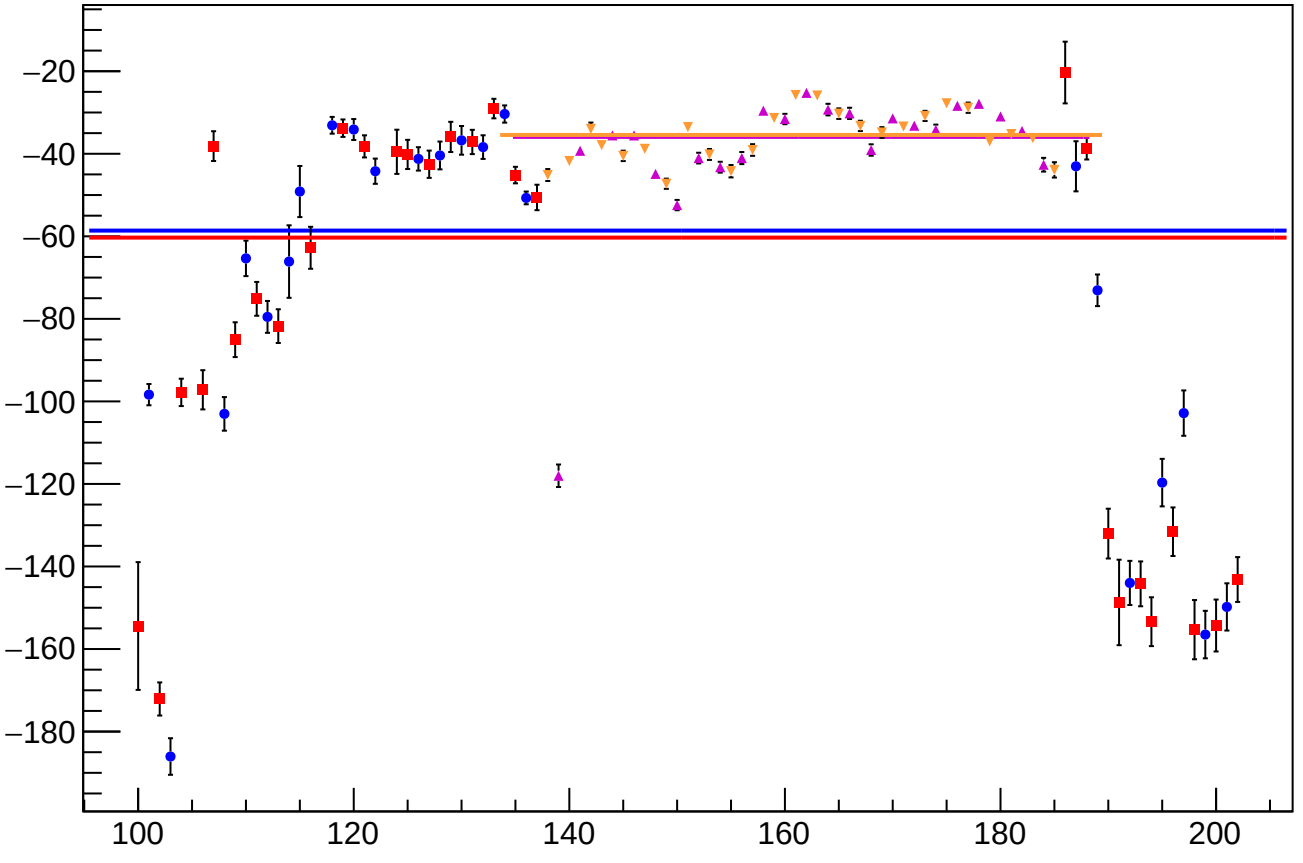
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

\+ sign -33.942+/-0.279 χ^2/NDF: 1140.7/47

All: -33.543+/-0.200 χ^2/NDF: 2686.5/99

\- sign -33.119+/-0.288 χ^2/NDF: 1541.6/51

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -58.613+/-0.667 χ^2/NDF: 2854.3/22

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -60.313+/-0.681 χ^2/NDF: 3339.5/28

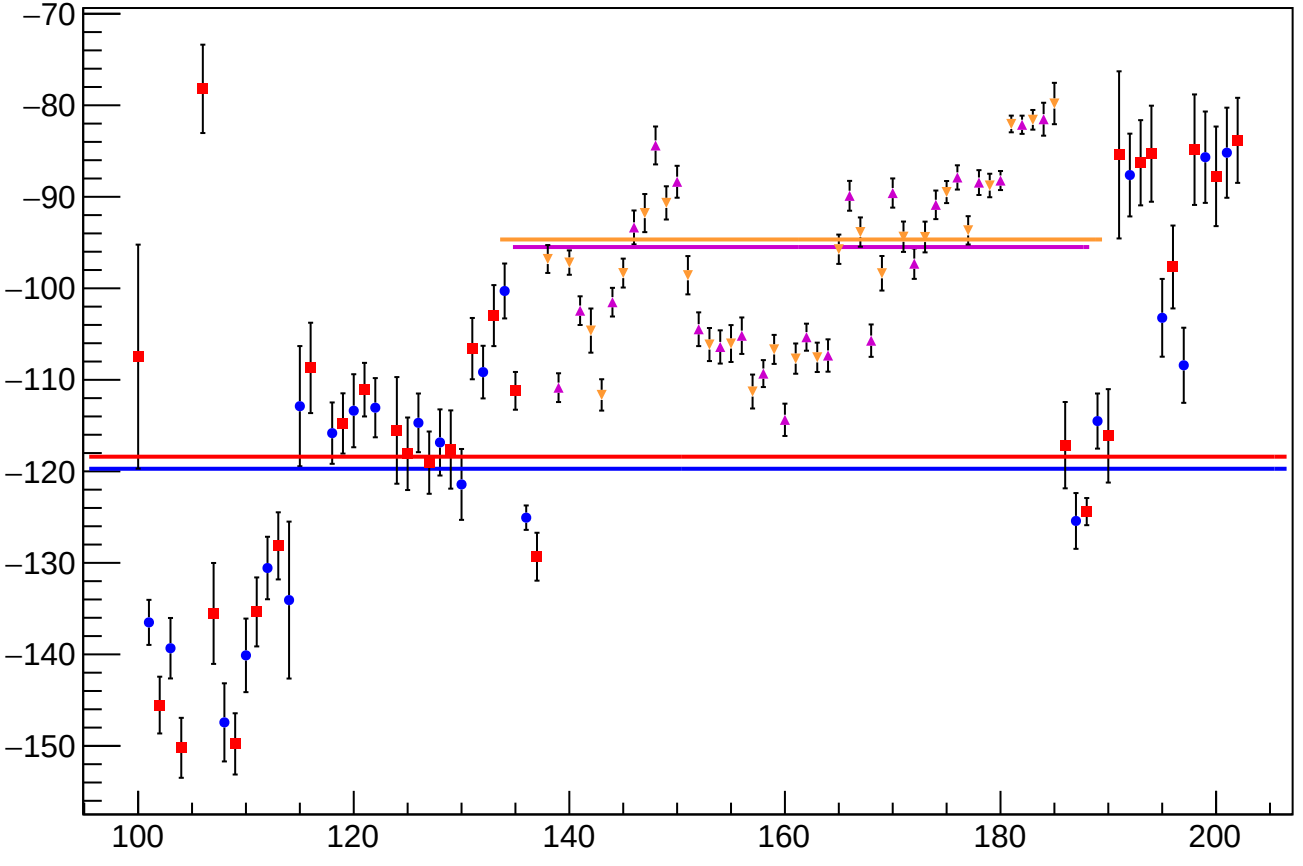
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -38.195+/-0.230 χ^2/NDF: 4455.9/47

All: -38.551+/-0.166 χ^2/NDF: 10468.3/99

- sign -38.937+/-0.240 χ^2/NDF: 6007.3/51

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -119.717+/-0.668 χ^2/NDF: 421.7/22

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -118.398+/-0.653 χ^2/NDF: 696.9/28

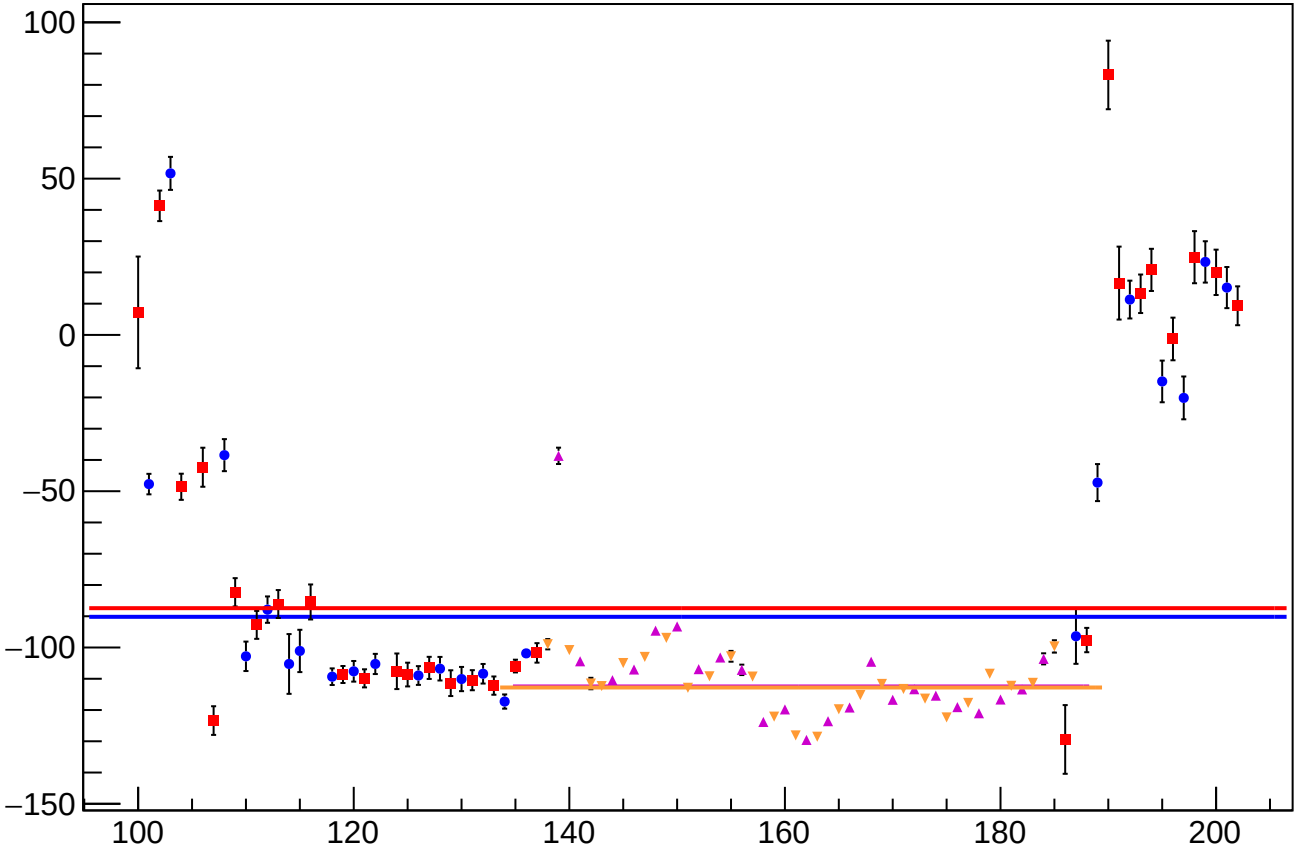
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.098+/-0.281 χ^2/NDF: 2479.3/47

All: -99.515+/-0.201 χ^2/NDF: 5142.2/99

- sign -99.954+/-0.288 χ^2/NDF: 2658.4/51

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -90.183+/-0.756 χ^2/NDF: 2541.2/22

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -87.418+/-0.784 χ^2/NDF: 3049.0/28

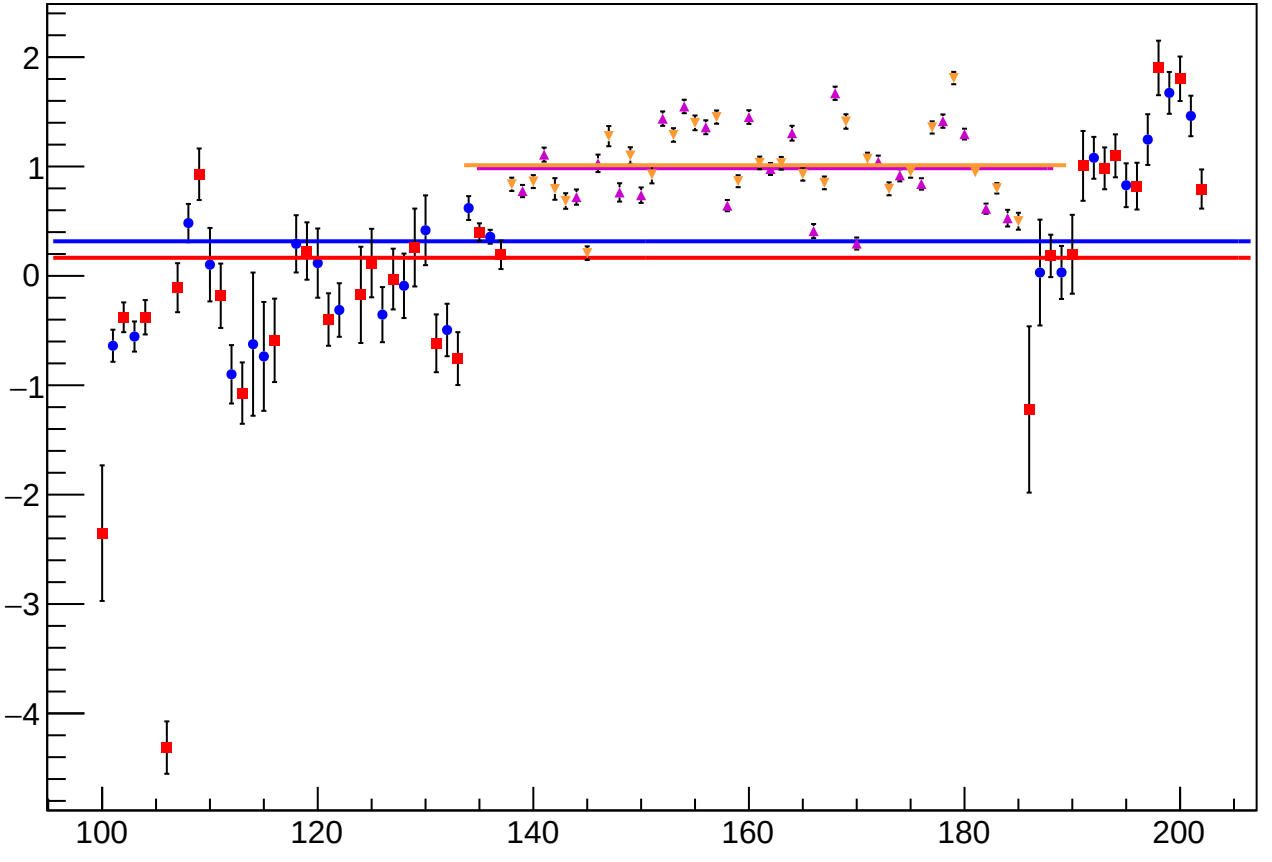
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -110.169+/-0.258 χ^2/NDF: 4267.9/47

All: -109.869+/-0.186 χ^2/NDF: 10010.1/99

- sign -109.544+/-0.268 χ^2/NDF: 5739.4/51

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.316+/-0.037 χ^2/NDF: 275.4/22

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.165+/-0.038 χ^2/NDF: 655.2/28

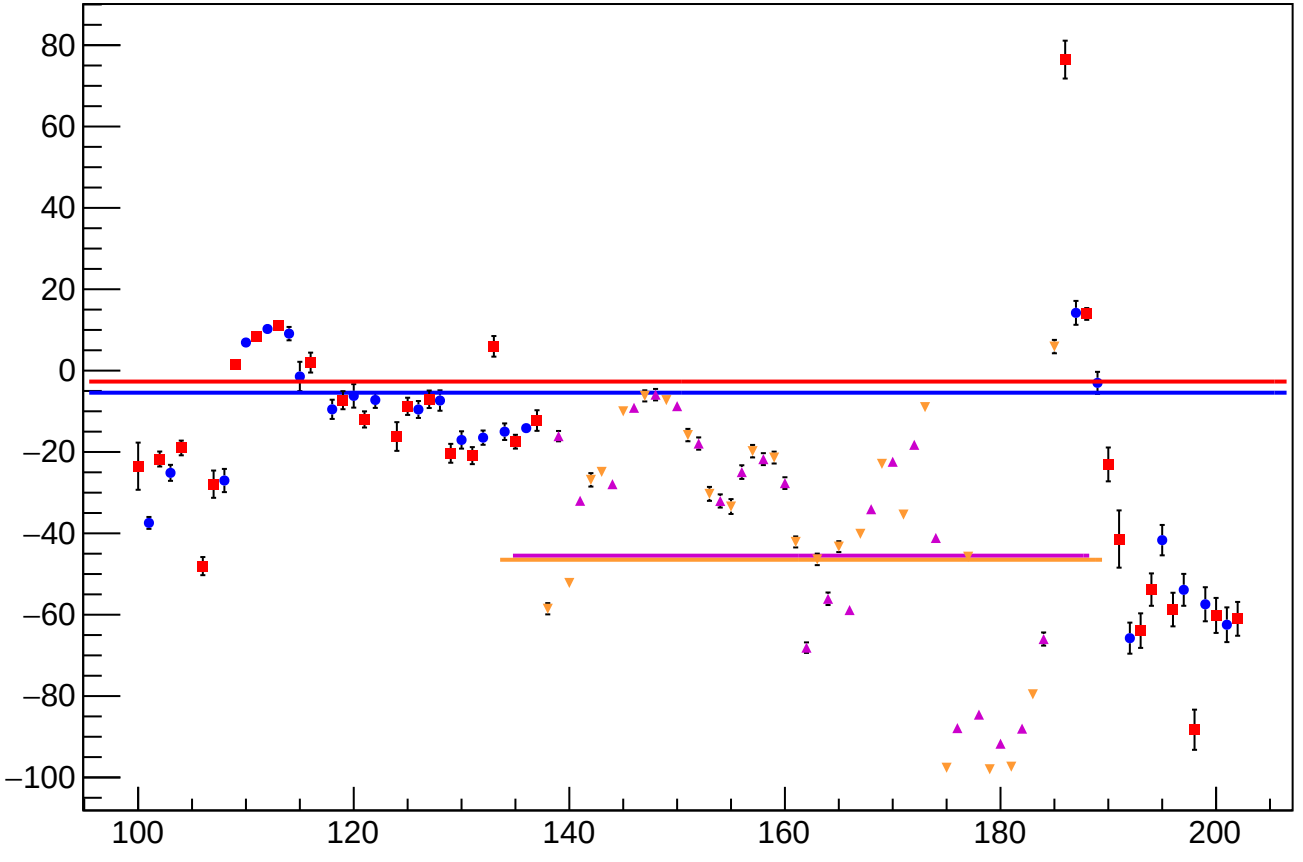
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.942+/-0.012 χ^2/NDF: 1287.6/47

All: 0.924+/-0.008 χ^2/NDF: 3264.9/99

- sign 0.904+/-0.012 χ^2/NDF: 1972.0/51

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -5.427+/-0.362 χ^2/NDF: 2429.4/22

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -2.691+/-0.322 χ^2/NDF: 3244.5/28

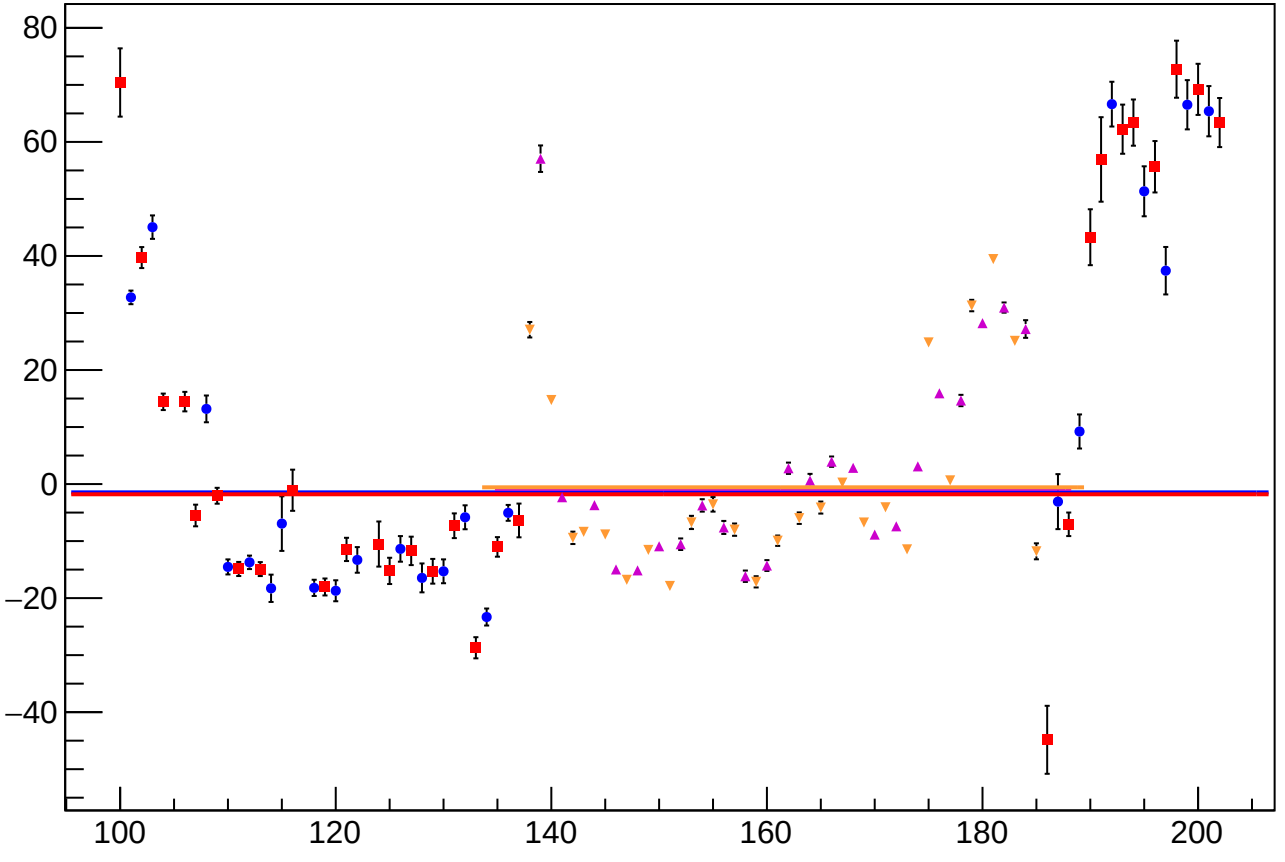
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.695+/-0.194 χ^2/NDF: 31627.7/47

All: -32.502+/-0.136 χ^2/NDF: 62140.6/99

- sign -30.377+/-0.191 χ^2/NDF: 30261.8/51

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -1.458+/-0.414 χ^2/NDF: 3229.7/22

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -1.790+/-0.400 χ^2/NDF: 3135.4/28

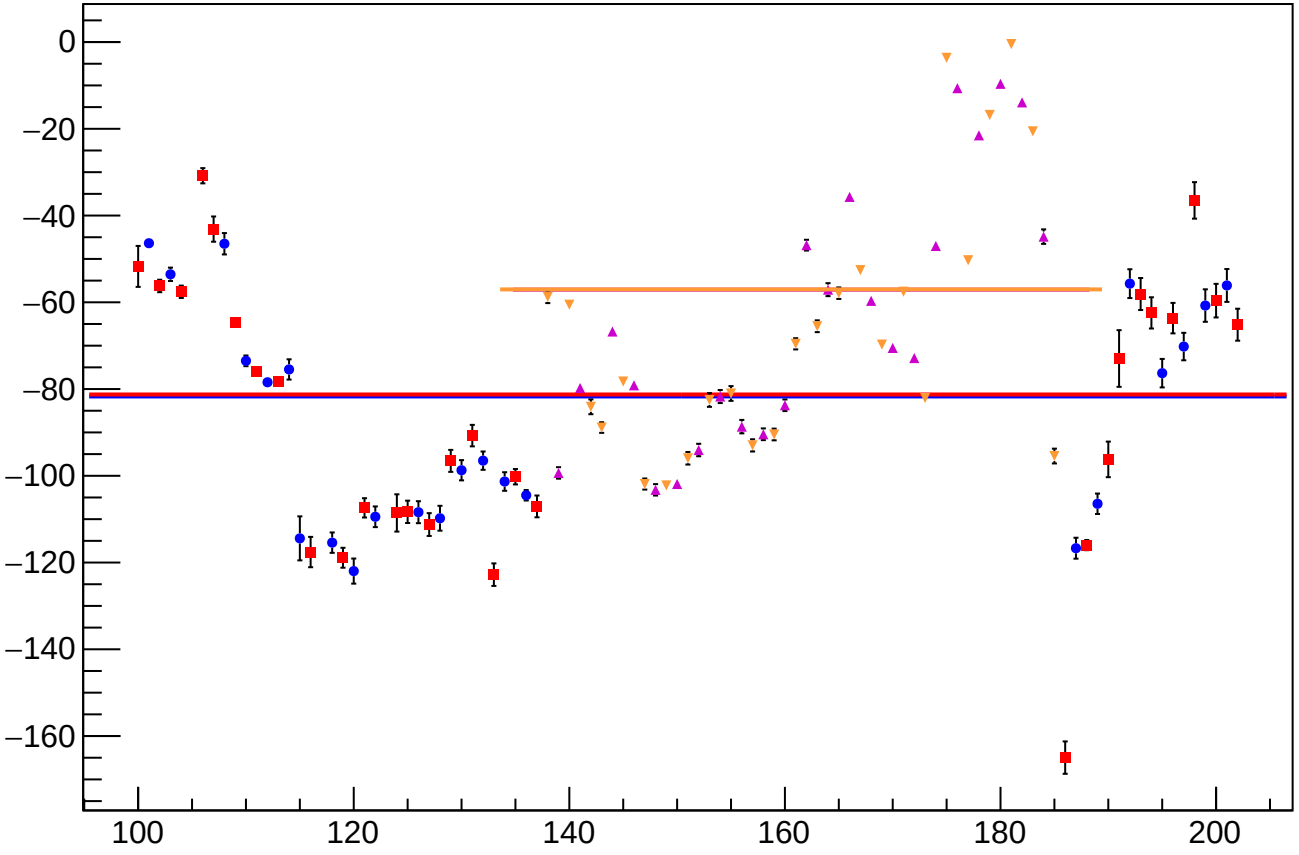
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.709+/-0.163 χ^2/NDF: 11685.1/47

All: -0.849+/-0.116 χ^2/NDF: 20943.3/99

- sign -0.995+/-0.166 χ^2/NDF: 9256.8/51

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.705+/-0.409 χ^2/NDF: 3346.9/22

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.255+/-0.376 χ^2/NDF: 4869.3/28

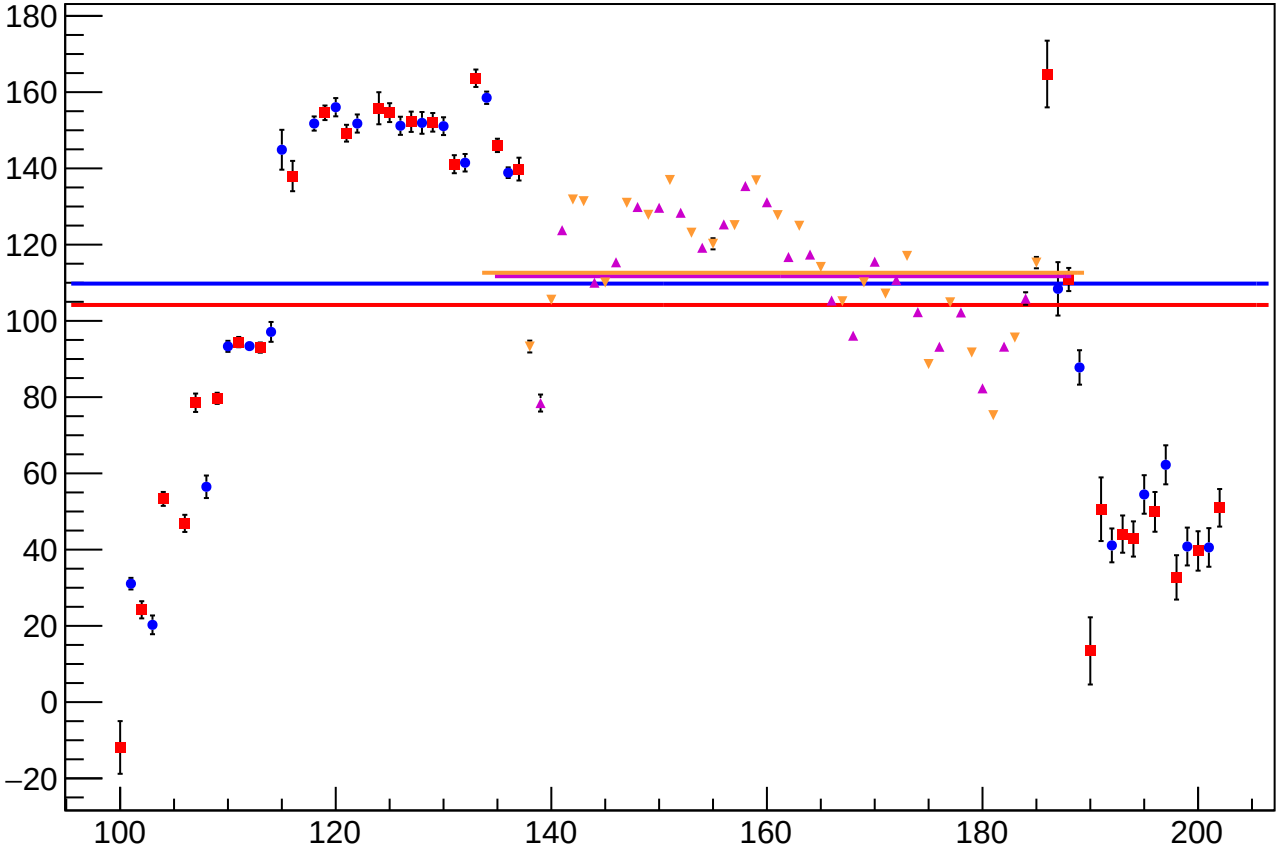
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.954+/-0.200 χ^2/NDF: 26423.0/47

All: -63.448+/-0.142 χ^2/NDF: 51429.4/99

- sign -63.941+/-0.200 χ^2/NDF: 24994.3/51

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 109.780+/-0.474 χ^2/NDF: 9100.0/22

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 104.176+/-0.460 χ^2/NDF: 8652.1/28

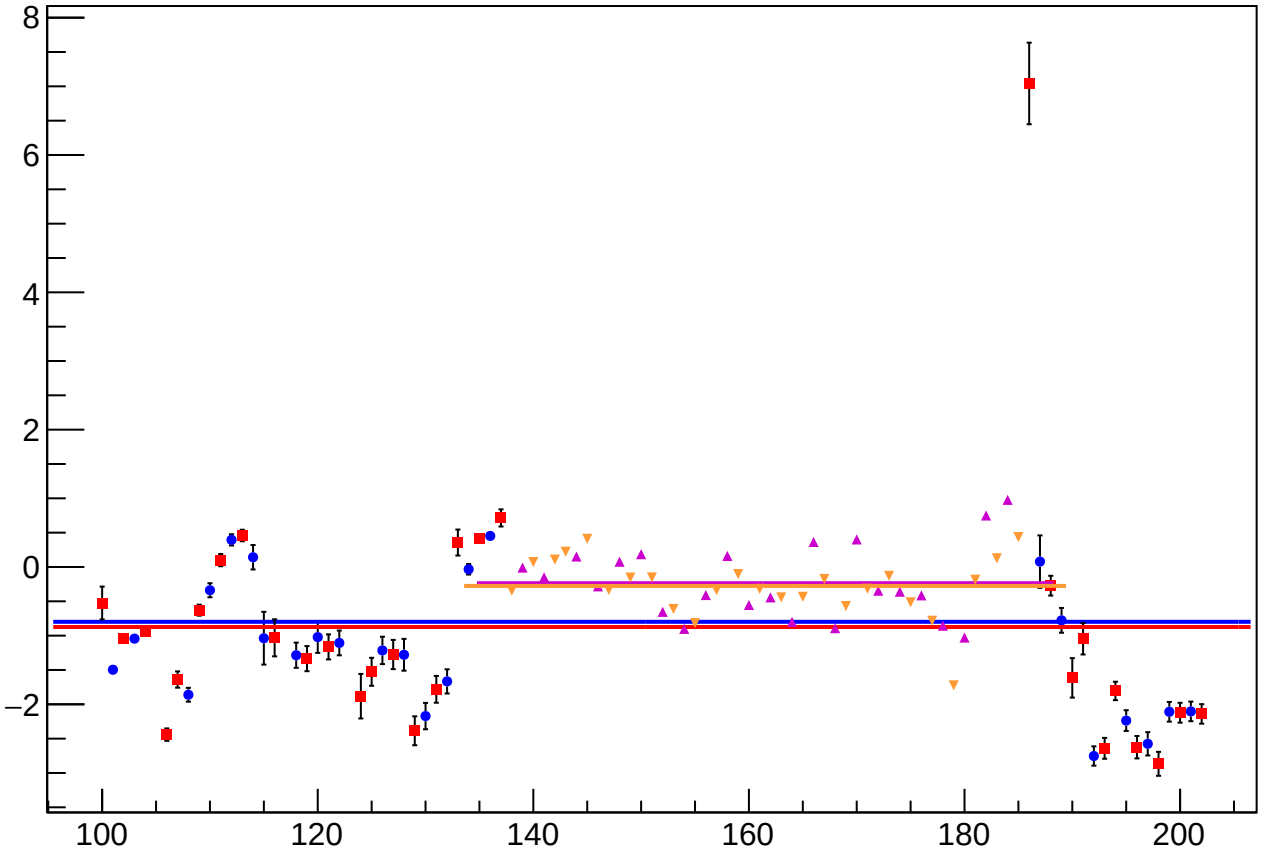
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.194+/-0.184 χ^2/NDF: 15838.6/47

All: 111.344+/-0.132 χ^2/NDF: 29655.4/99

- sign 110.458+/-0.188 χ^2/NDF: 13773.2/51

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.798+/-0.024 χ^2/NDF: 1742.4/22

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.874+/-0.023 χ^2/NDF: 2174.9/28

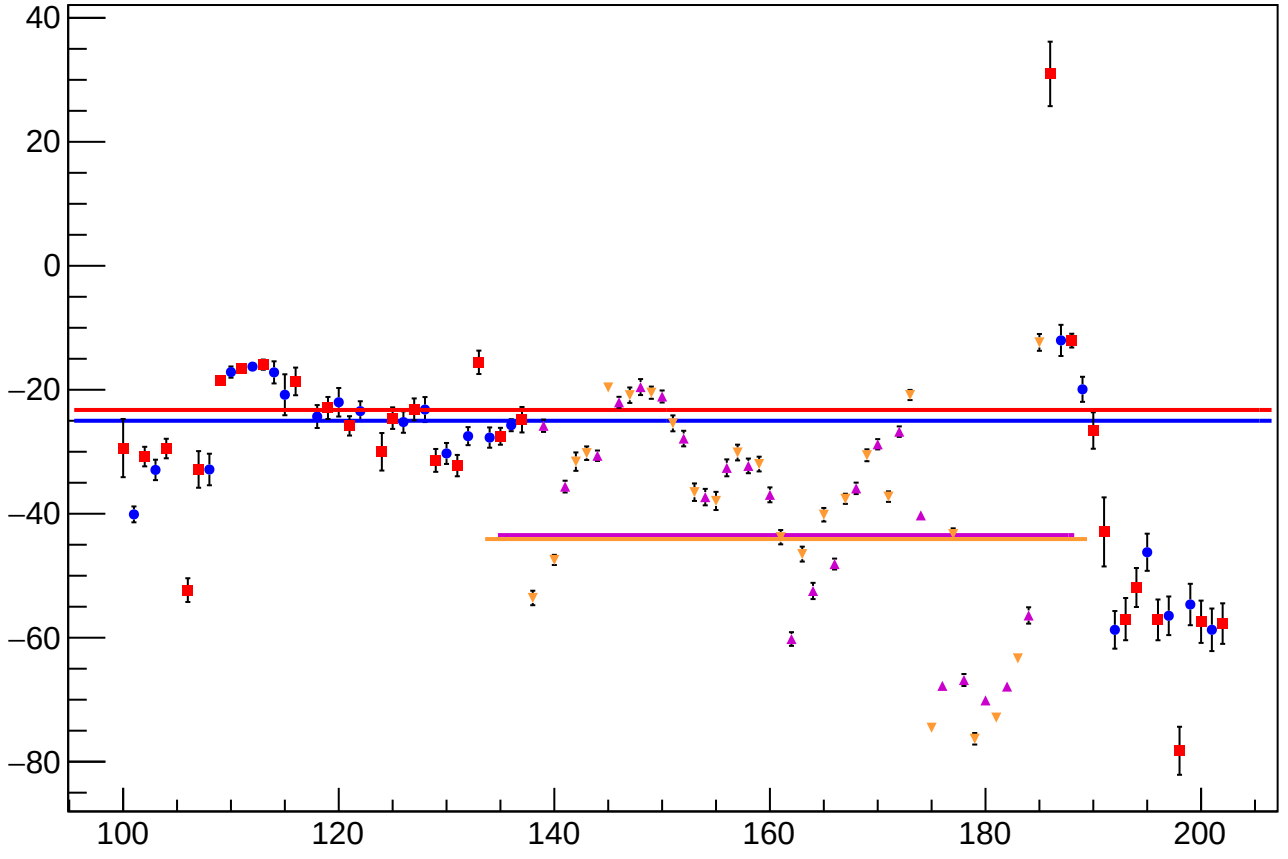
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.341+/-0.008 χ^2/NDF: 4287.4/47

All: -0.333+/-0.006 χ^2/NDF: 10097.9/99

- sign -0.325+/-0.009 χ^2/NDF: 5808.8/51

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.001+/-0.331 χ^2/NDF: 906.3/22

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.257+/-0.299 χ^2/NDF: 1483.0/28

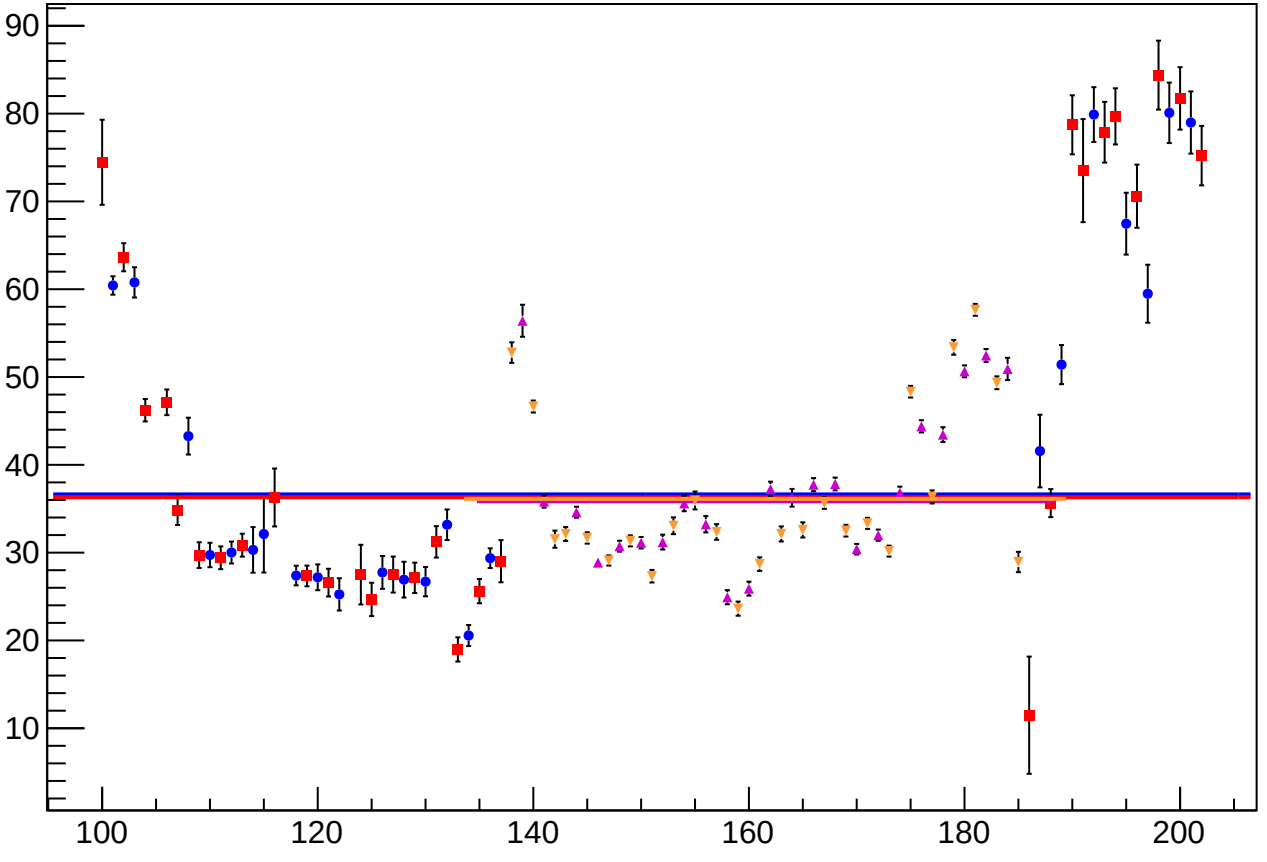
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

\+ sign -39.237+/-0.167 χ^2/NDF: 13731.2/47

All: -38.243+/-0.117 χ^2/NDF: 26265.7/99

\- sign -37.262+/-0.166 χ^2/NDF: 12463.8/51

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 36.632+/-0.358 χ^2/NDF: 1901.4/22

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 36.311+/-0.349 χ^2/NDF: 2036.2/28

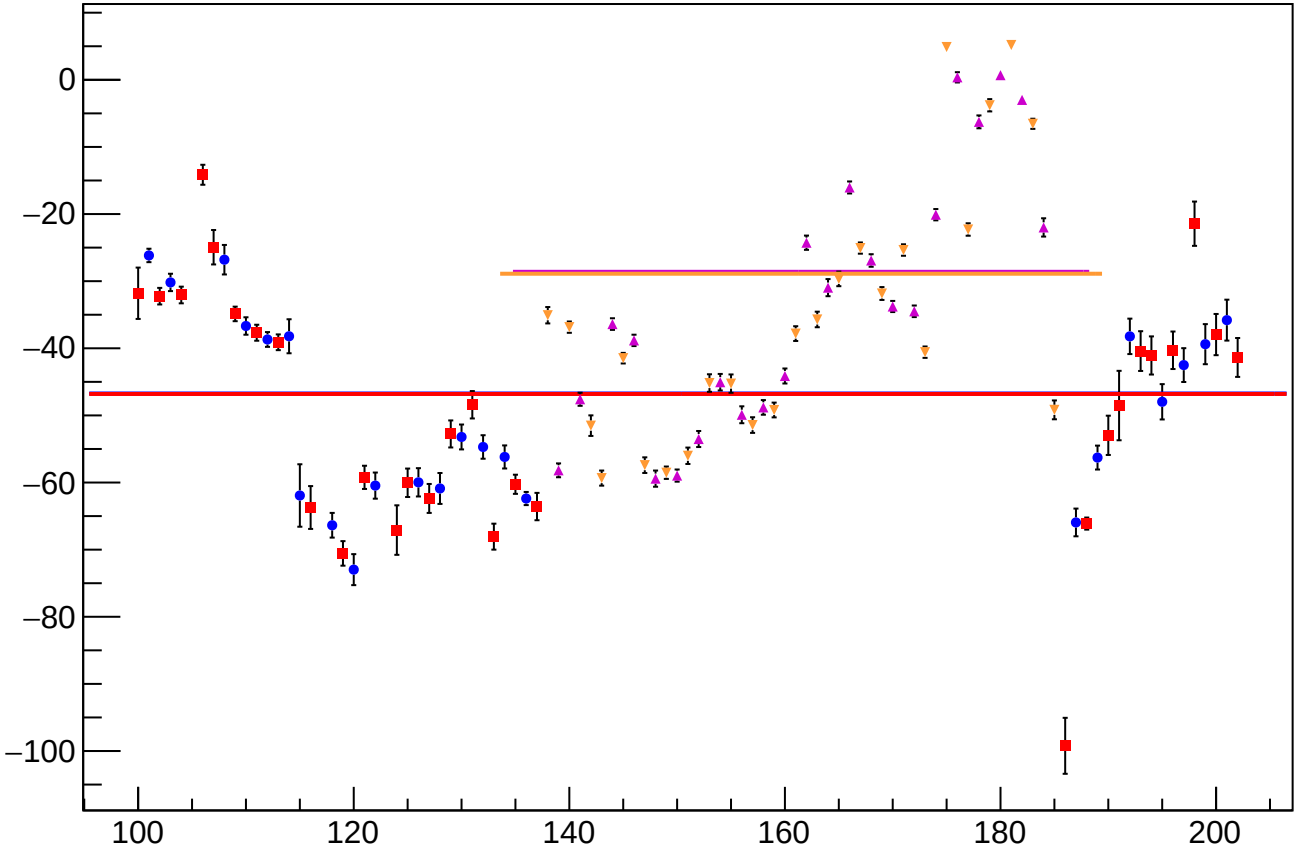
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.199+/-0.138 χ^2/NDF: 5461.6/47

All: 36.066+/-0.099 χ^2/NDF: 9794.6/99

- sign 35.928+/-0.142 χ^2/NDF: 4331.1/51

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.737+/-0.358 χ^2/NDF: 1639.4/22

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.804+/-0.331 χ^2/NDF: 2438.0/28

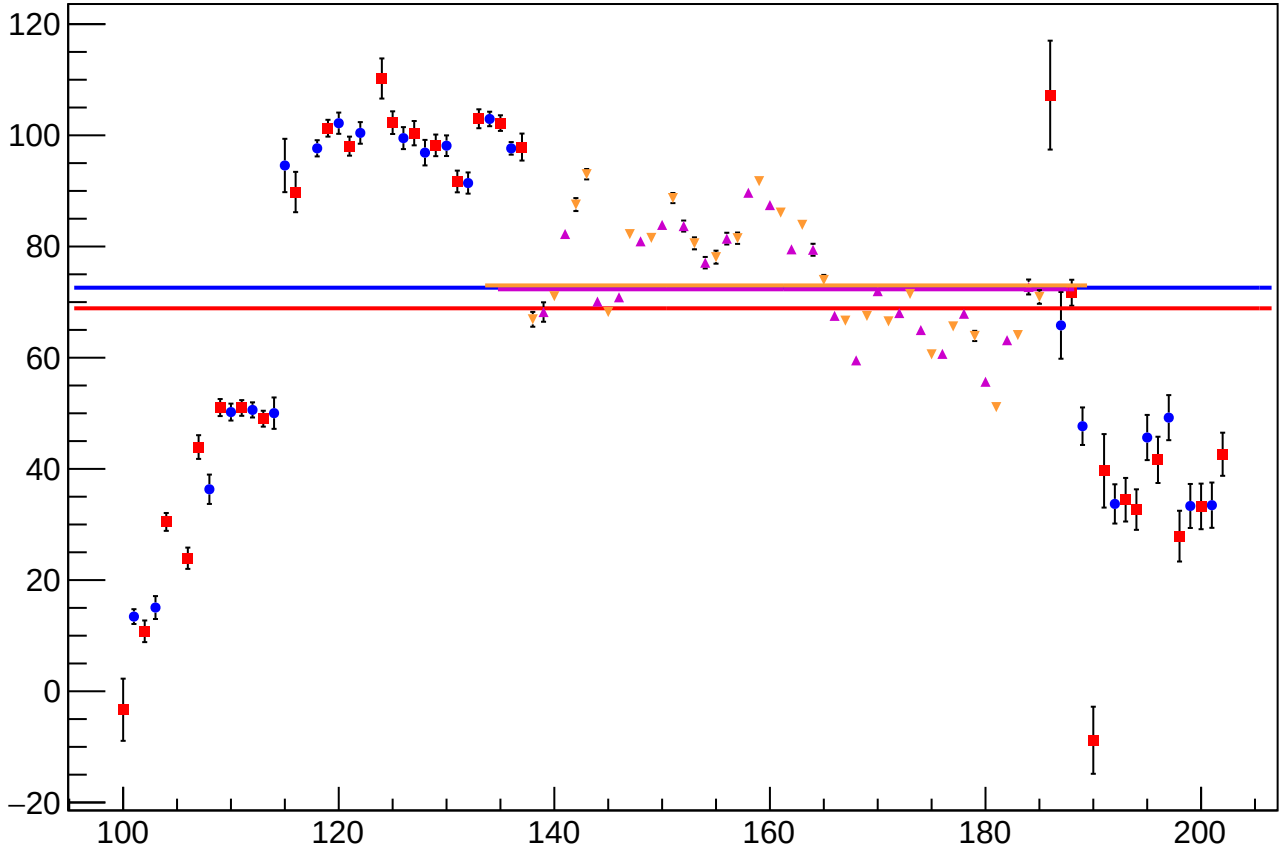
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.899+/-0.170 χ^2/NDF: 15362.8/47

All: -33.144+/-0.120 χ^2/NDF: 30045.9/99

- sign -33.389+/-0.170 χ^2/NDF: 14678.9/51

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.593+/-0.411 χ^2/NDF: 6306.0/22

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.884+/-0.404 χ^2/NDF: 6287.9/28

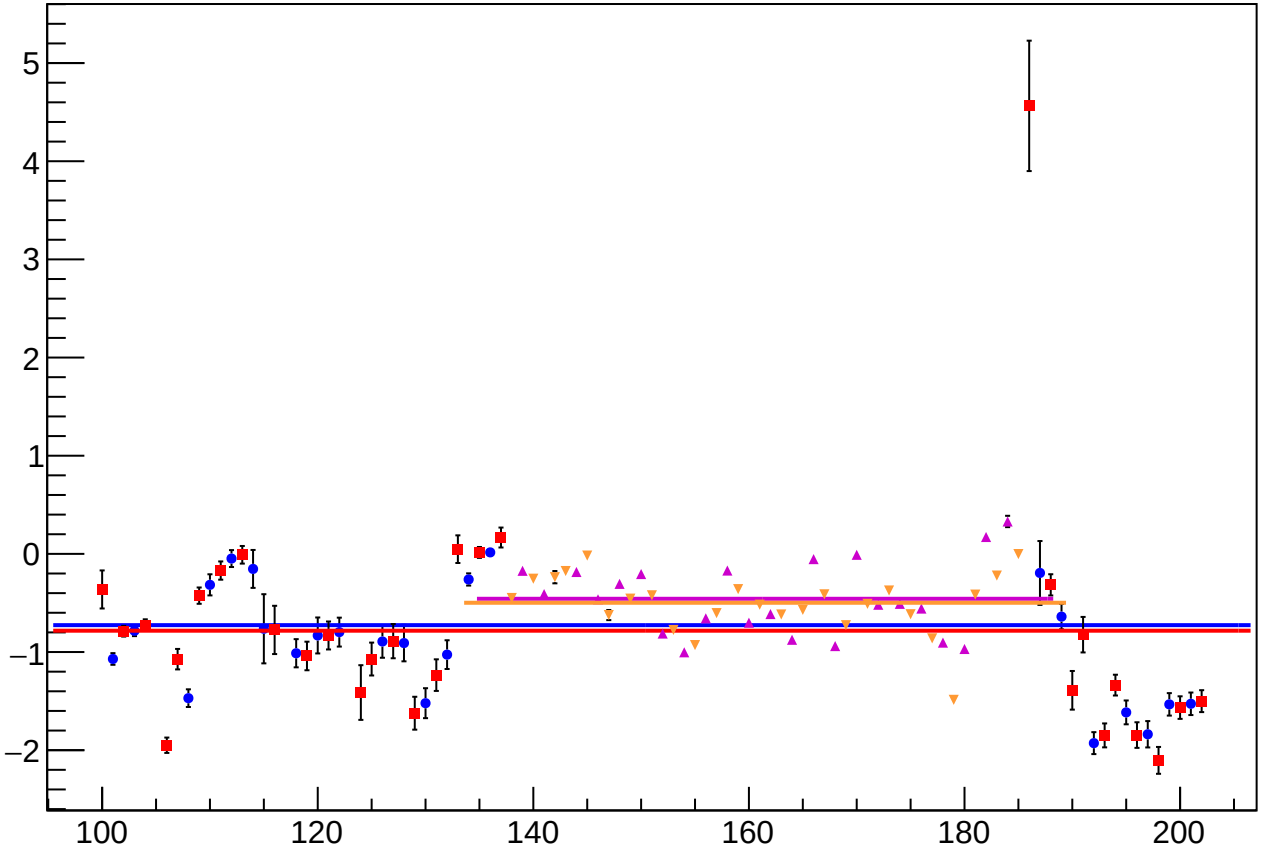
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.943+/-0.156 χ^2/NDF: 10359.3/47

All: 72.369+/-0.111 χ^2/NDF: 19647.9/99

- sign 71.770+/-0.159 χ^2/NDF: 9260.9/51

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.726+/-0.020 χ^2/NDF: 886.4/22

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.783+/-0.020 χ^2/NDF: 1190.1/28

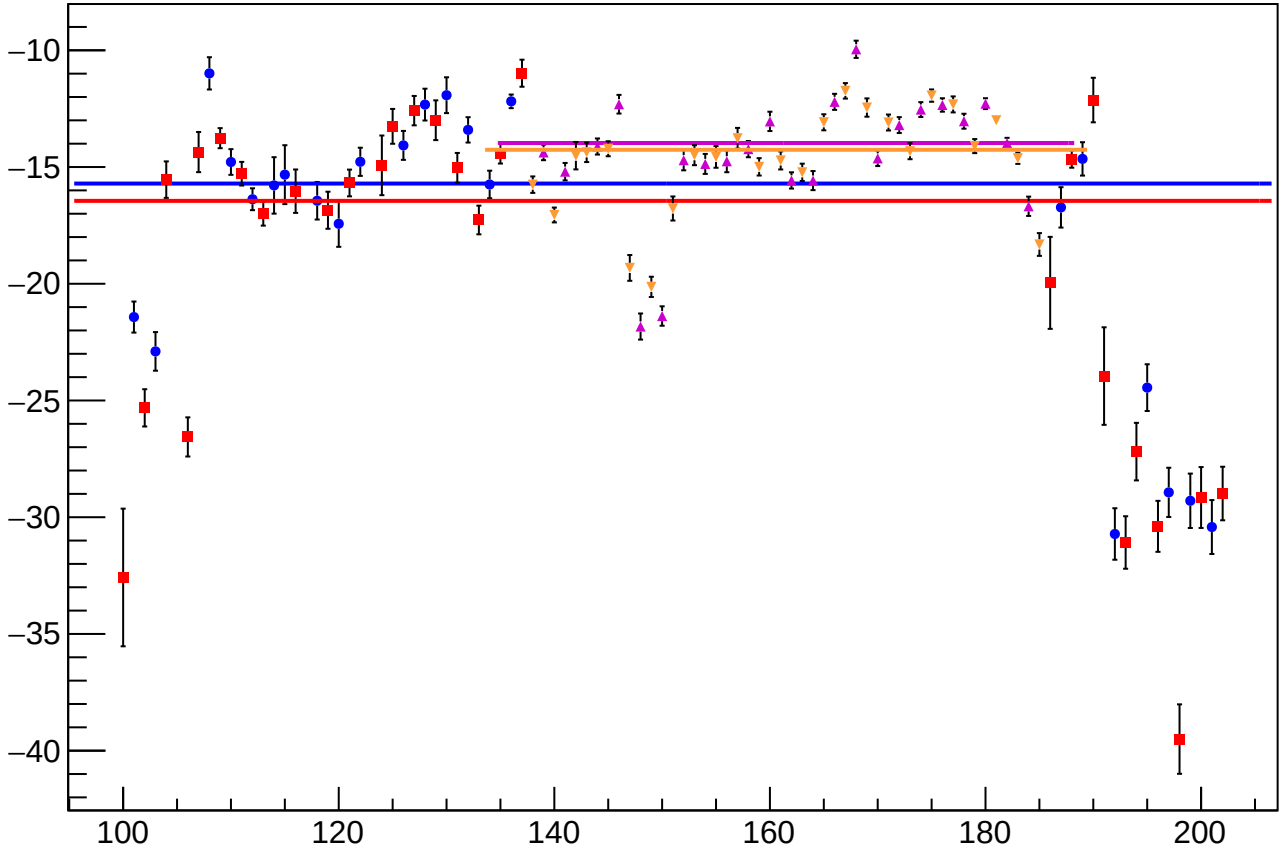
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.526+/-0.007 χ^2/NDF: 2481.1/47

All: -0.513+/-0.005 χ^2/NDF: 6019.0/99

- sign -0.501+/-0.007 χ^2/NDF: 3531.5/51

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.708+/-0.138 χ^2/NDF: 1147.4/22

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.449+/-0.132 χ^2/NDF: 1467.6/28

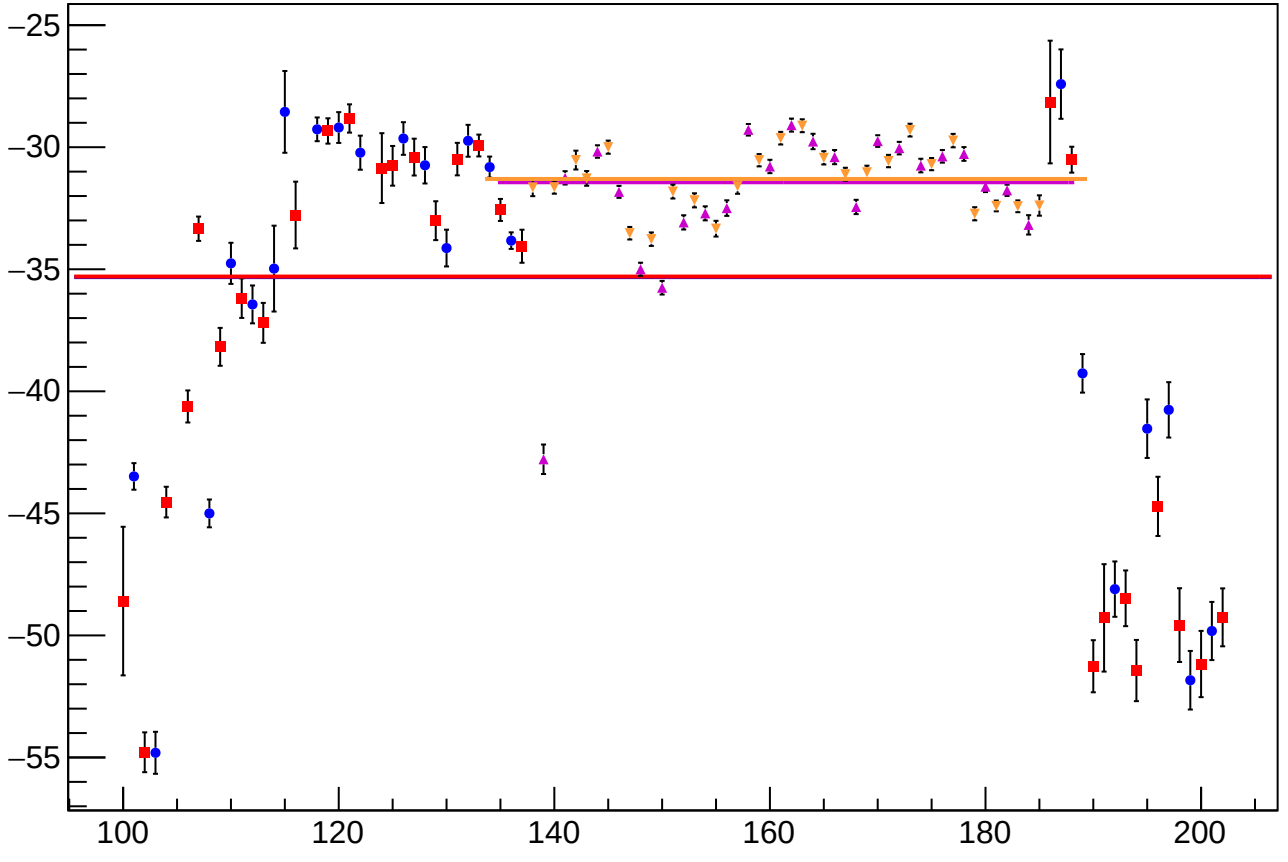
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.554+/-0.062 χ^2/NDF: 1958.7/47

All: -14.546+/-0.044 χ^2/NDF: 4606.5/99

- sign -14.538+/-0.063 χ^2/NDF: 2647.7/51

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -35.321+/-0.144 χ^2/NDF: 2233.3/22

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -35.299+/-0.140 χ^2/NDF: 2572.4/28

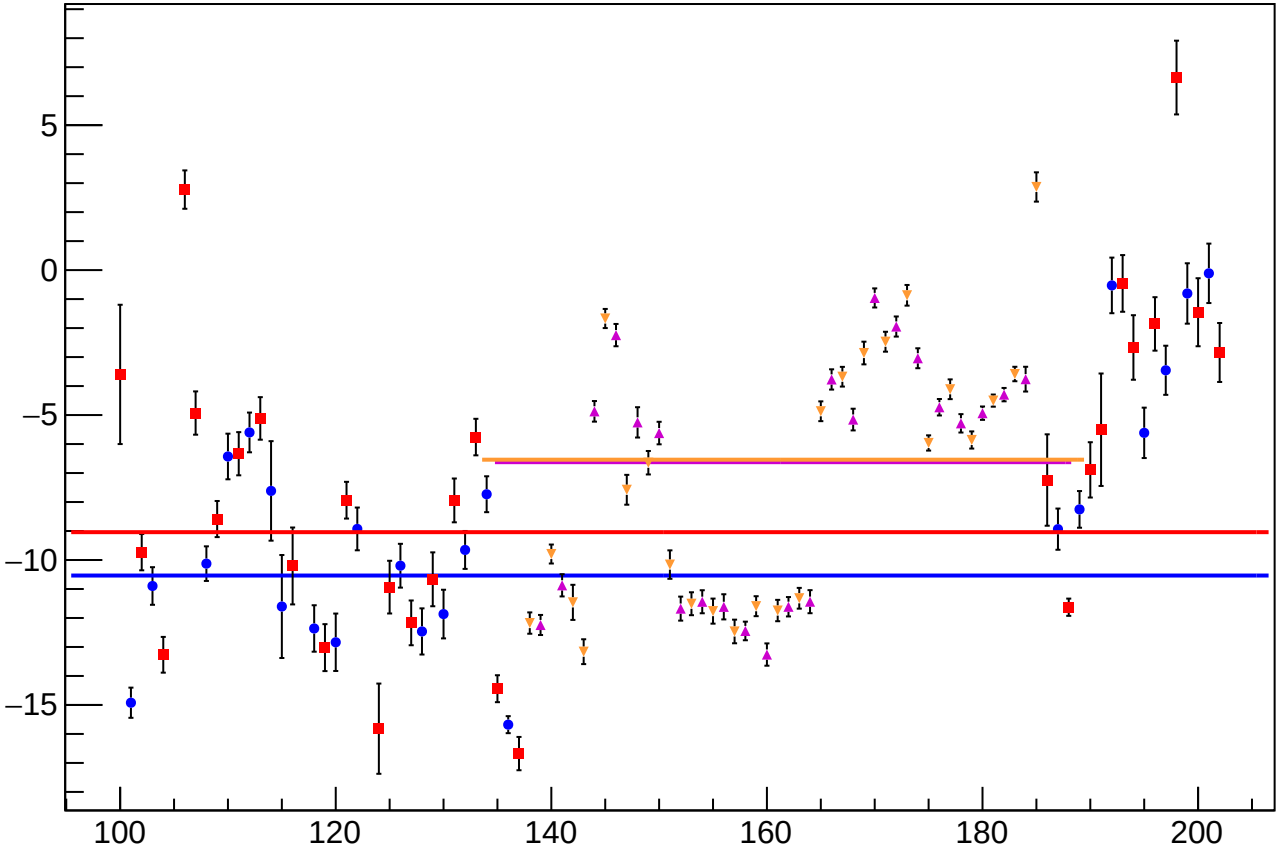
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.817+/-0.052 χ^2/NDF: 3467.0/47

All: -31.900+/-0.037 χ^2/NDF: 7907.8/99

- sign -31.987+/-0.053 χ^2/NDF: 4435.6/51

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.536+/-0.143 χ^2/NDF: 927.1/22

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.040+/-0.135 χ^2/NDF: 1343.4/28

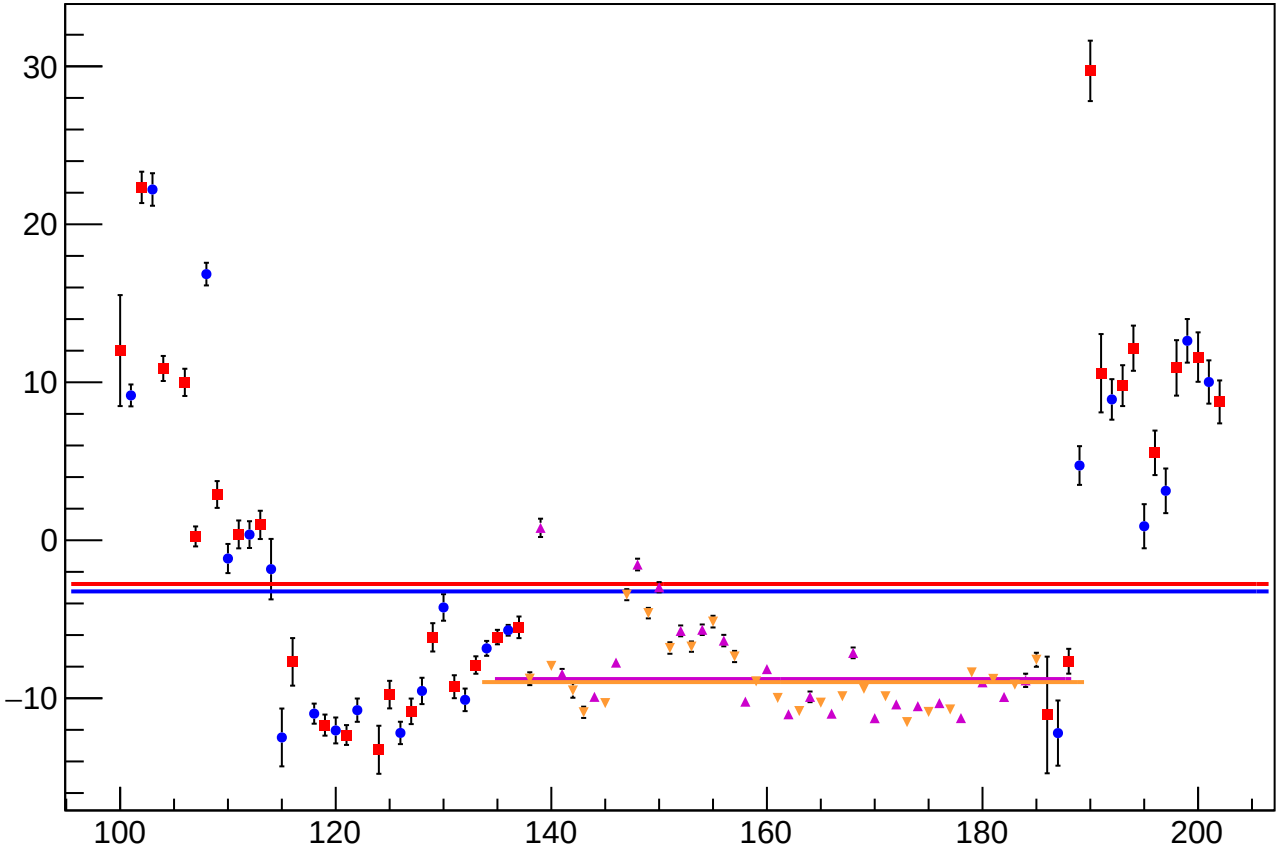
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.307+/-0.062 χ^2/NDF: 4803.8/47

All: -7.232+/-0.044 χ^2/NDF: 9308.8/99

- sign -7.155+/-0.063 χ^2/NDF: 4502.1/51

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.237+/-0.164 χ^2/NDF: 2959.7/22

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

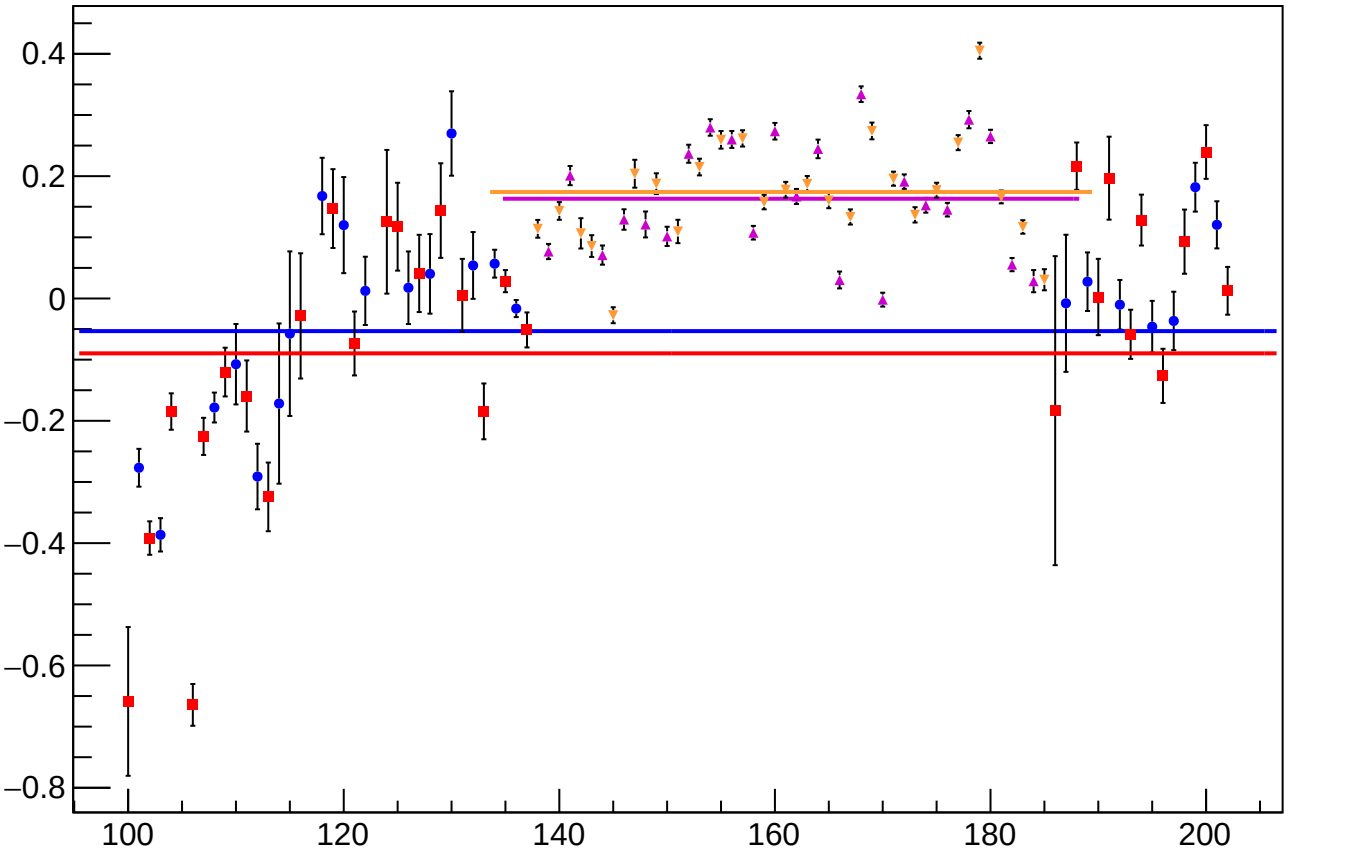
Right Out: -2.767+/-0.164 χ^2/NDF: 2971.0/28

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

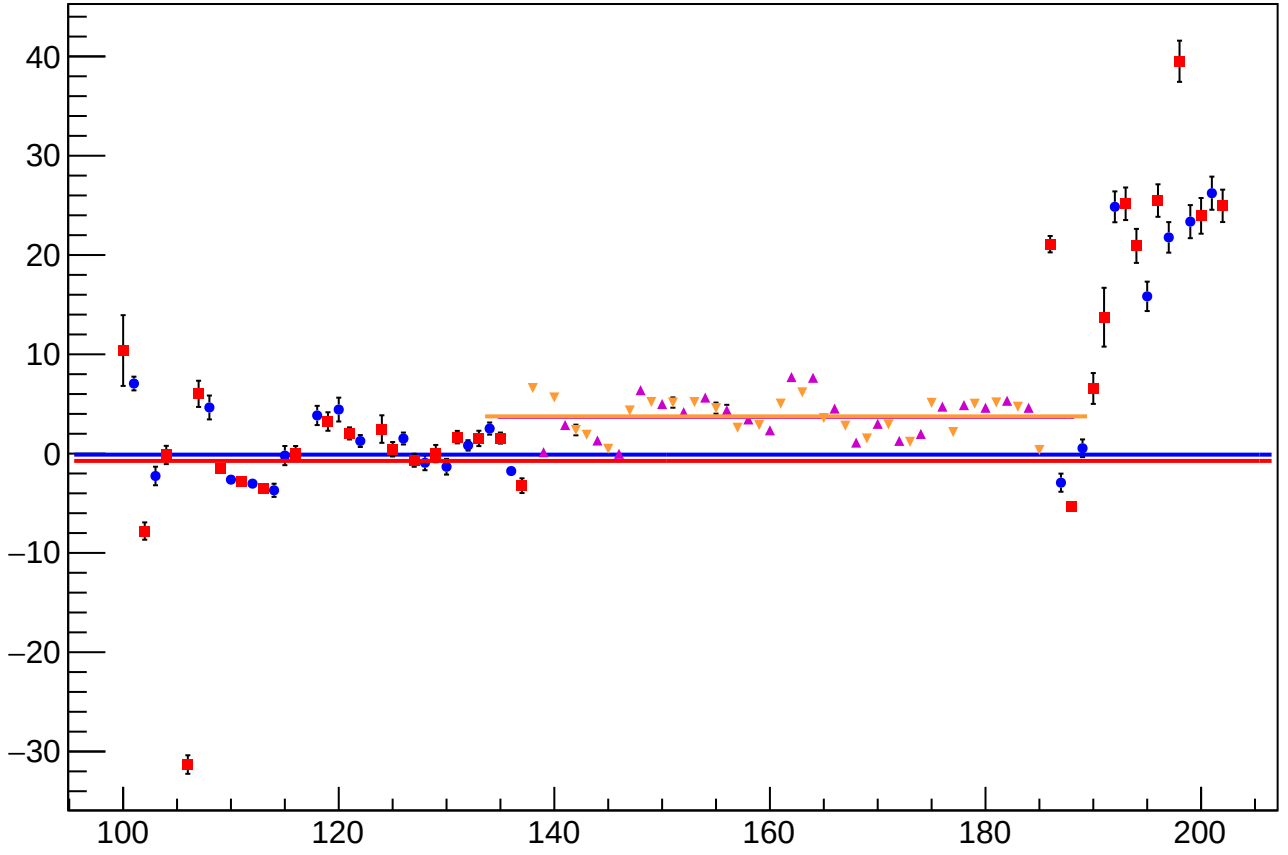
+ sign -8.267+/-0.058 χ^2/NDF: 5011.5/47

All: -8.138+/-0.041 χ^2/NDF: 10851.5/99

- sign -8.001+/-0.059 χ^2/NDF: 5829.7/51


reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: -0.053+/-0.008 χ²/NDF: 386.7/22
Left Out: 0.174+/-0.003 χ²/NDF:922.9/24
Right Out: -0.090+/-0.008 χ²/NDF: 754.2/28
Left In: 0.163+/-0.003 χ²/NDF:1195.1/22
+ sign 0.149+/-0.003 χ²/NDF: 2092.6/47
All: 0.142+/-0.002 χ²/NDF: 4994.8/99
- sign 0.135+/-0.003 χ²/NDF: 2887.5/51

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.103+/-0.131 χ^2/NDF: 1446.7/22

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

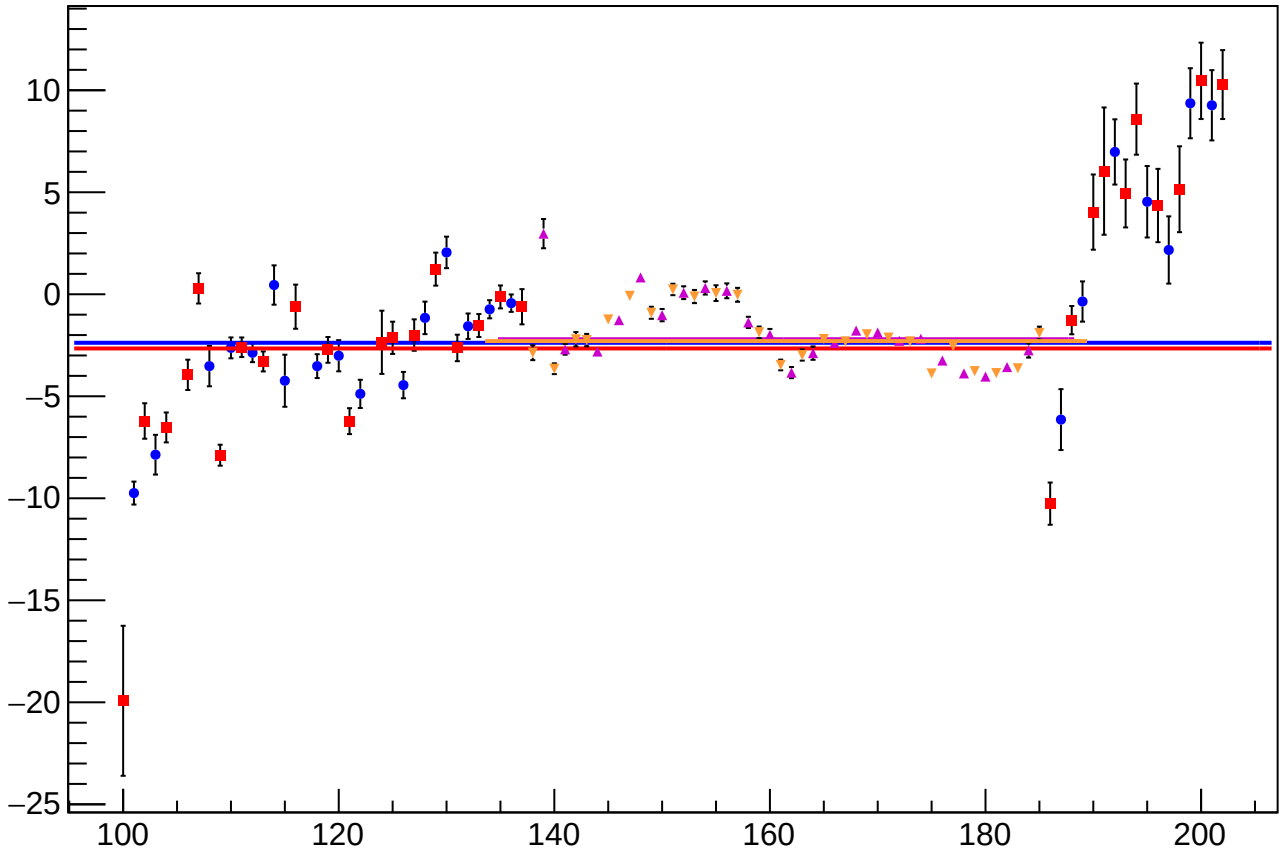
Right Out: -0.734+/-0.121 χ^2/NDF: 3726.8/28

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.047+/-0.056 χ^2/NDF: 2961.2/47

All: 2.884+/-0.040 χ^2/NDF: 8709.0/99

- sign 2.718+/-0.056 χ^2/NDF: 5730.6/51



Right In: -2.378+/-0.150 χ^2/NDF: 476.7/22

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

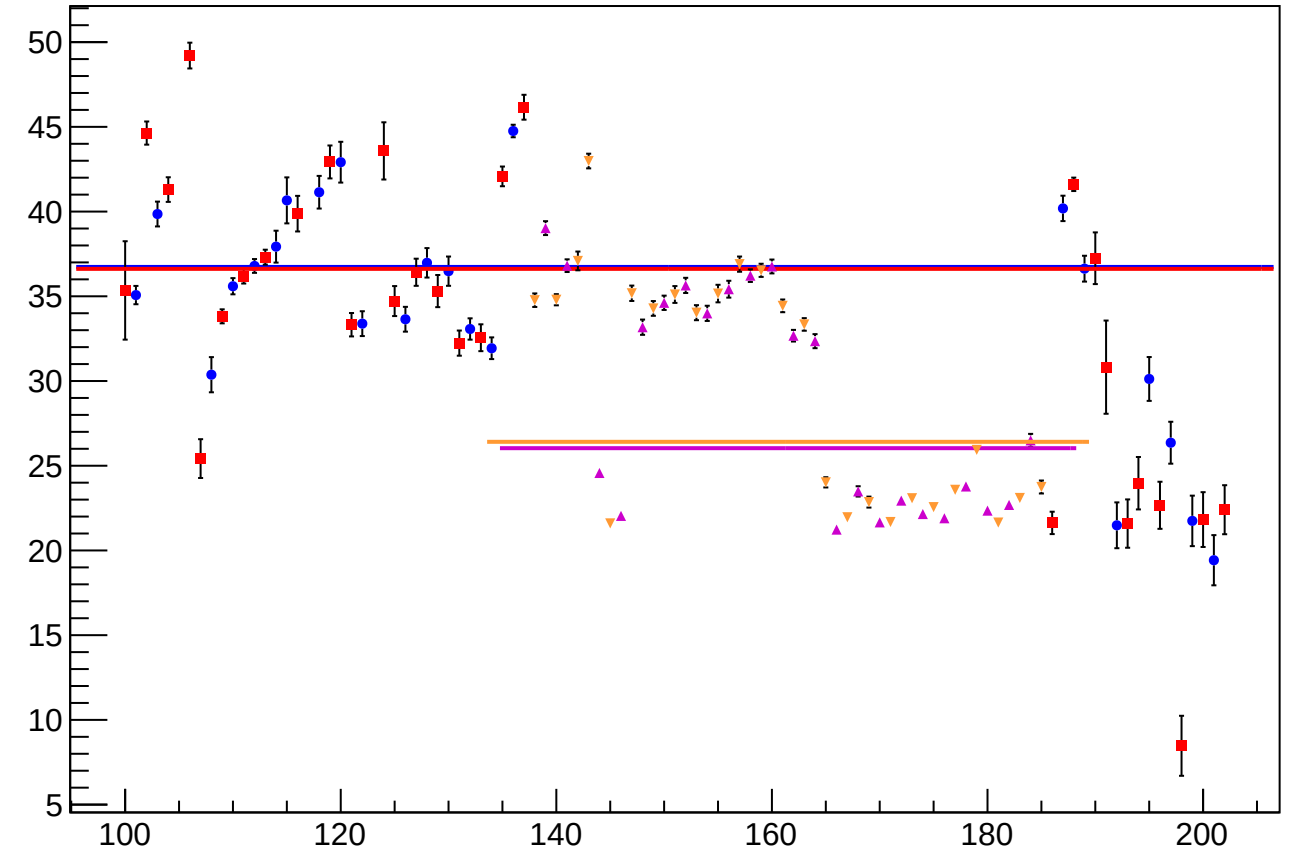
Right Out: -2.657+/-0.148 χ^2/NDF: 558.0/28

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.303+/-0.047 χ^2/NDF: 1108.4/47

All: -2.278+/-0.034 χ^2/NDF: 2400.0/99

- sign -2.252+/-0.048 χ^2/NDF: 1291.0/51



Right In: 36.732+/-0.149 χ^2/NDF: 1209.4/22

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.620+/-0.140 χ^2/NDF: 2405.1/28

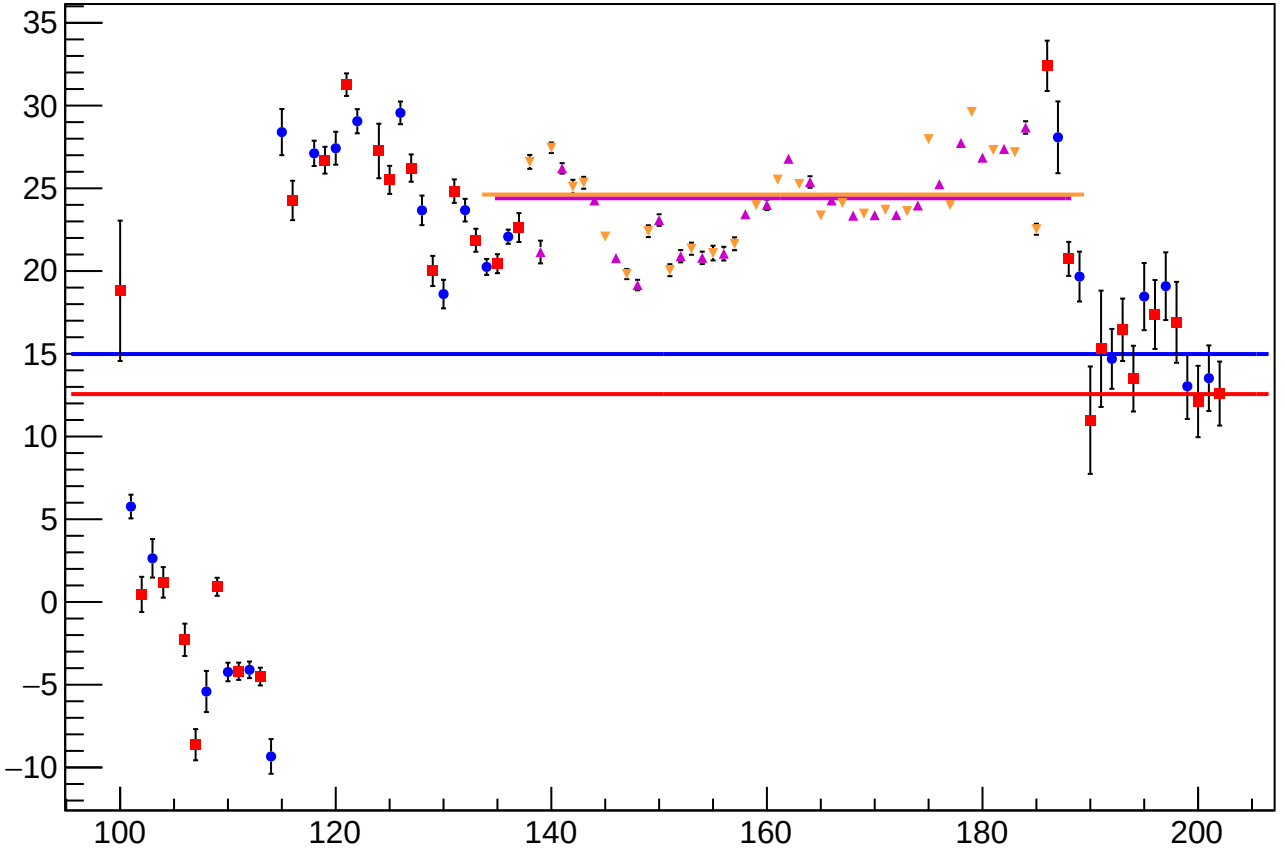
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.942+/-0.057 χ^2/NDF: 14506.5/47

All: 27.904+/-0.041 χ^2/NDF: 29499.0/99

- sign 27.865+/-0.058 χ^2/NDF: 14991.6/51

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.984+/-0.169 χ^2/NDF: 5741.9/22

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

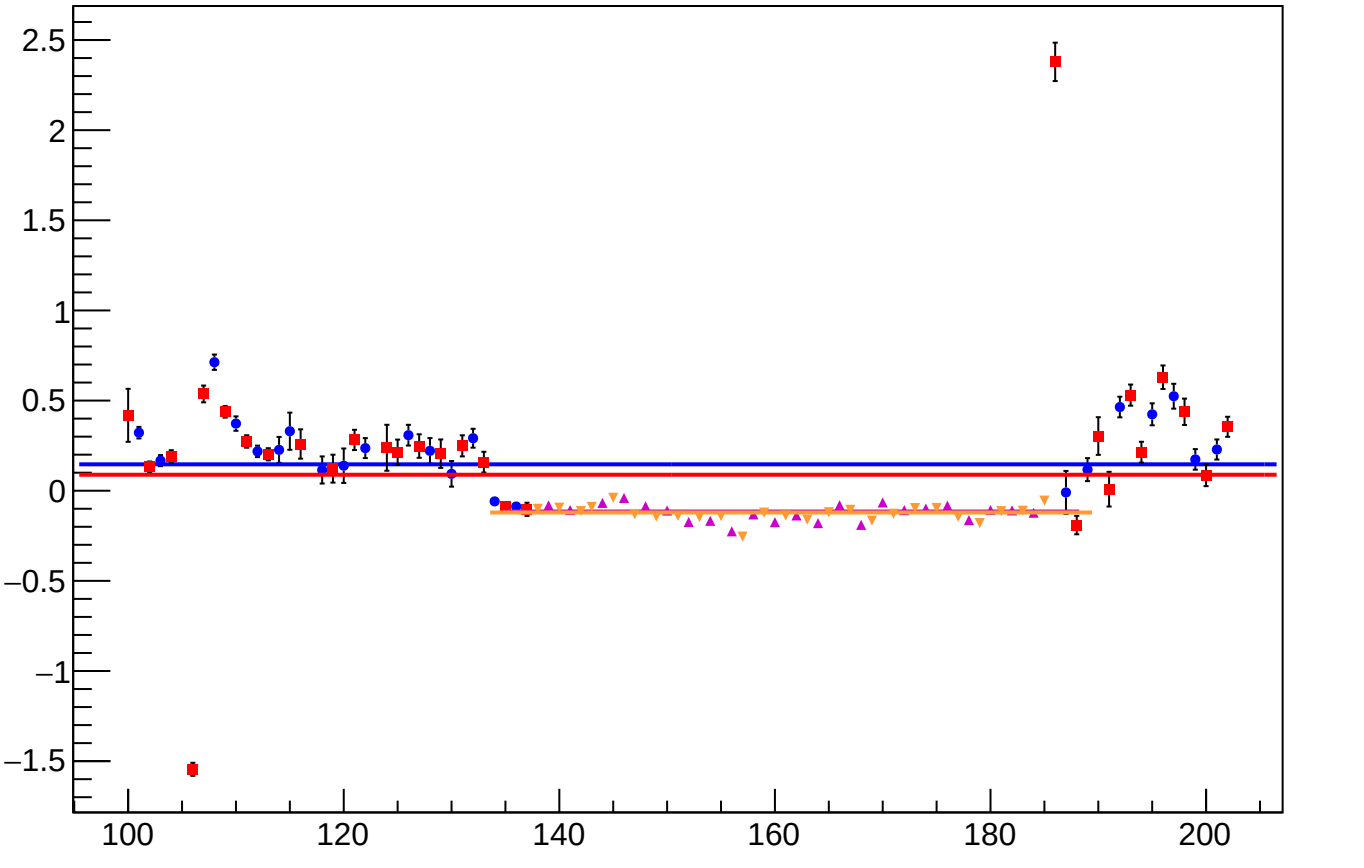
Right Out: 12.564+/-0.169 χ^2/NDF: 6364.6/28

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

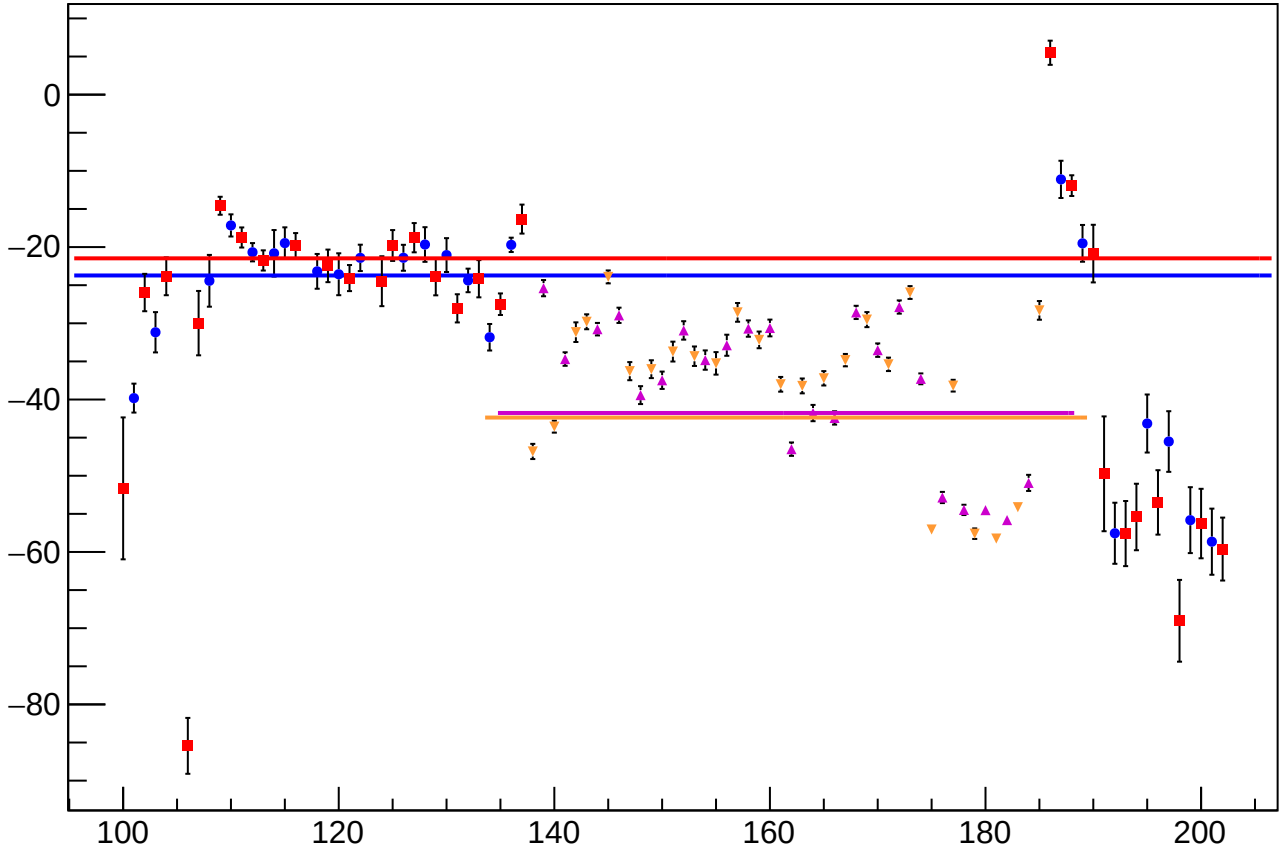
+ sign 23.695+/-0.052 χ^2/NDF: 10633.9/47

All: 23.458+/-0.037 χ^2/NDF: 23159.9/99

- sign 23.211+/-0.054 χ^2/NDF: 12484.2/51


reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: 0.146+/-0.009 χ²/NDF: 612.2/22
Left Out: -0.121+/-0.002 χ²/NDF:262.9/24
Right Out: 0.089+/-0.009 χ²/NDF: 3116.3/28
Left In: -0.115+/-0.003 χ²/NDF:290.7/22
+ sign -0.101+/-0.002 χ²/NDF: 1737.2/47
All: -0.101+/-0.002 χ²/NDF: 5635.1/99
- sign -0.100+/-0.002 χ²/NDF: 3897.8/51

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -23.724+/-0.410 χ^2/NDF: 437.2/22

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.477+/-0.389 χ^2/NDF: 1173.3/28

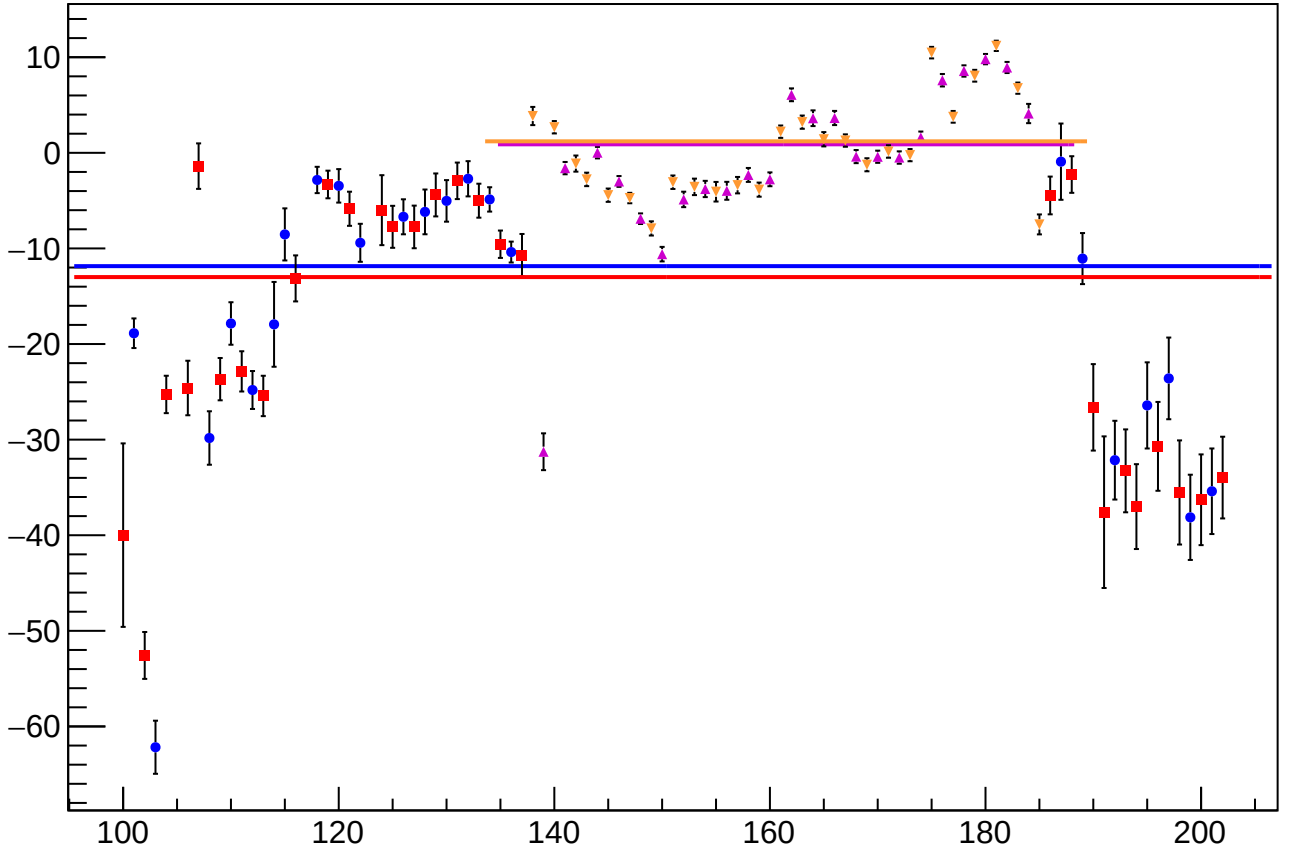
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.492+/-0.161 χ^2/NDF: 6659.4/47

All: -38.825+/-0.115 χ^2/NDF: 13560.5/99

- sign -38.128+/-0.165 χ^2/NDF: 6866.0/51

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -11.853+/-0.433 χ^2/NDF: 703.3/22

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

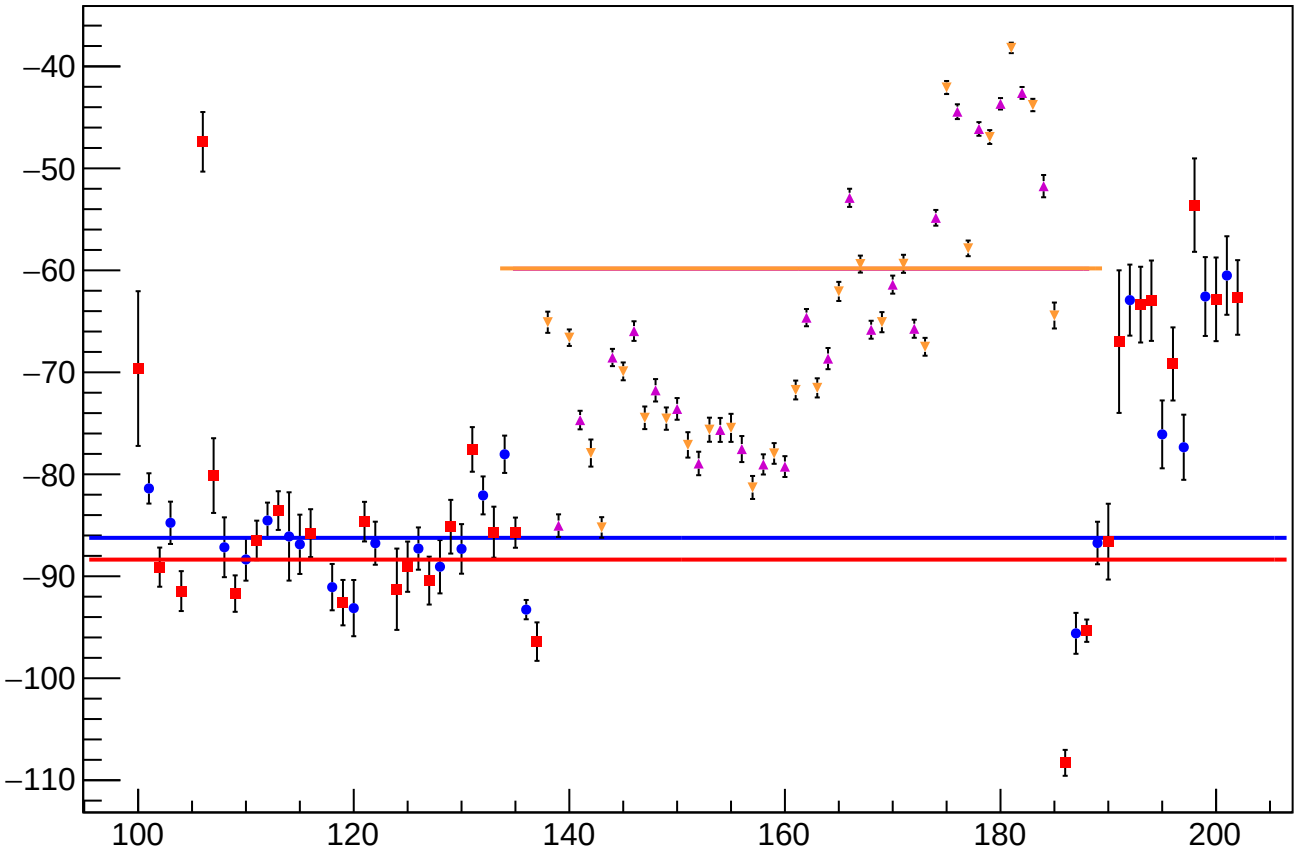
Right Out: -12.997+/-0.439 χ^2/NDF: 772.9/28

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign -0.003+/-0.132 χ^2/NDF: 2991.9/47

All: -0.216+/-0.095 χ^2/NDF: 6439.9/99

- sign -0.444+/-0.136 χ^2/NDF: 3442.6/51



Right In: -86.232+/-0.438 χ^2/NDF: 271.8/22

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.365+/-0.413 χ^2/NDF: 836.7/28

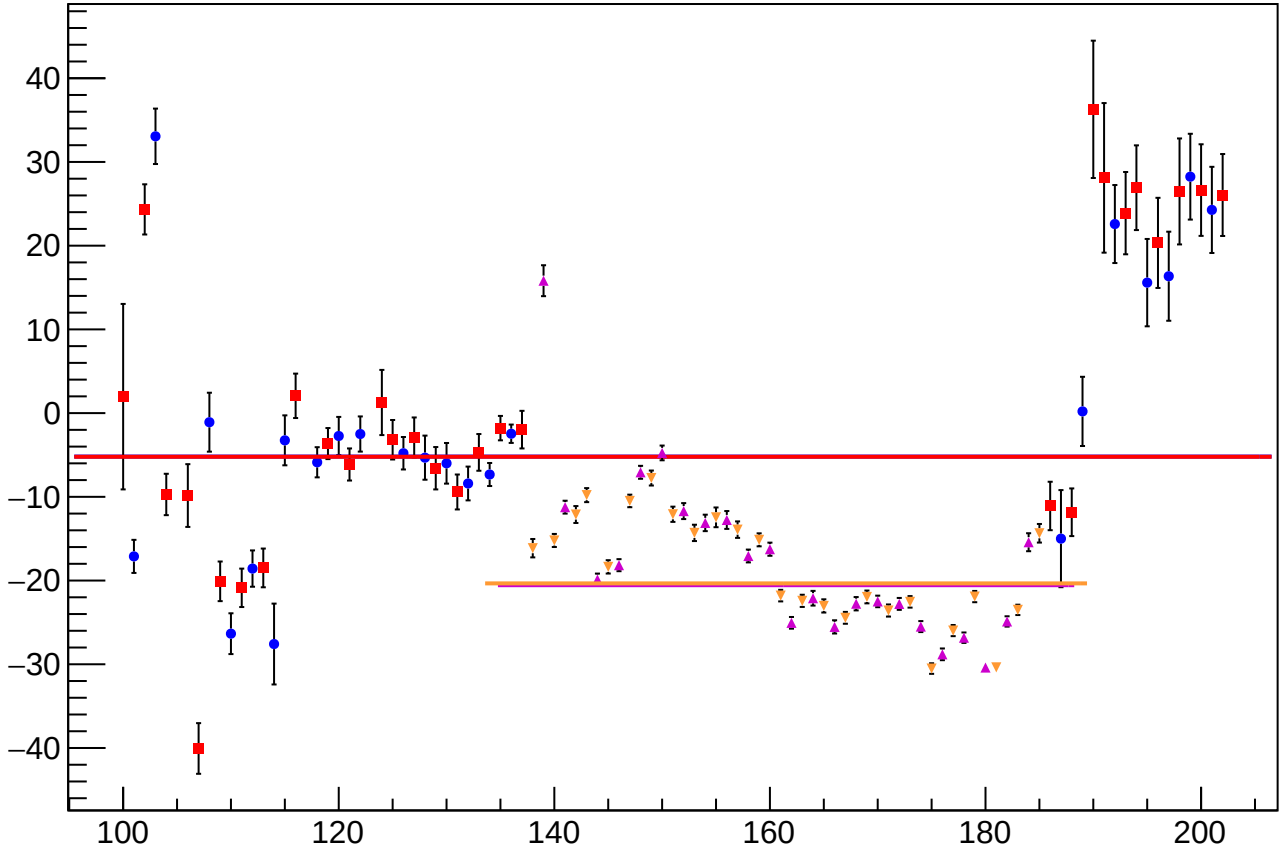
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.458+/-0.163 χ^2/NDF: 10054.0/47

All: -63.937+/-0.116 χ^2/NDF: 20434.2/99

- sign -64.435+/-0.166 χ^2/NDF: 10362.5/51

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -5.191+/-0.490 χ^2/NDF: 468.6/22

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -5.214+/-0.507 χ^2/NDF: 625.7/28

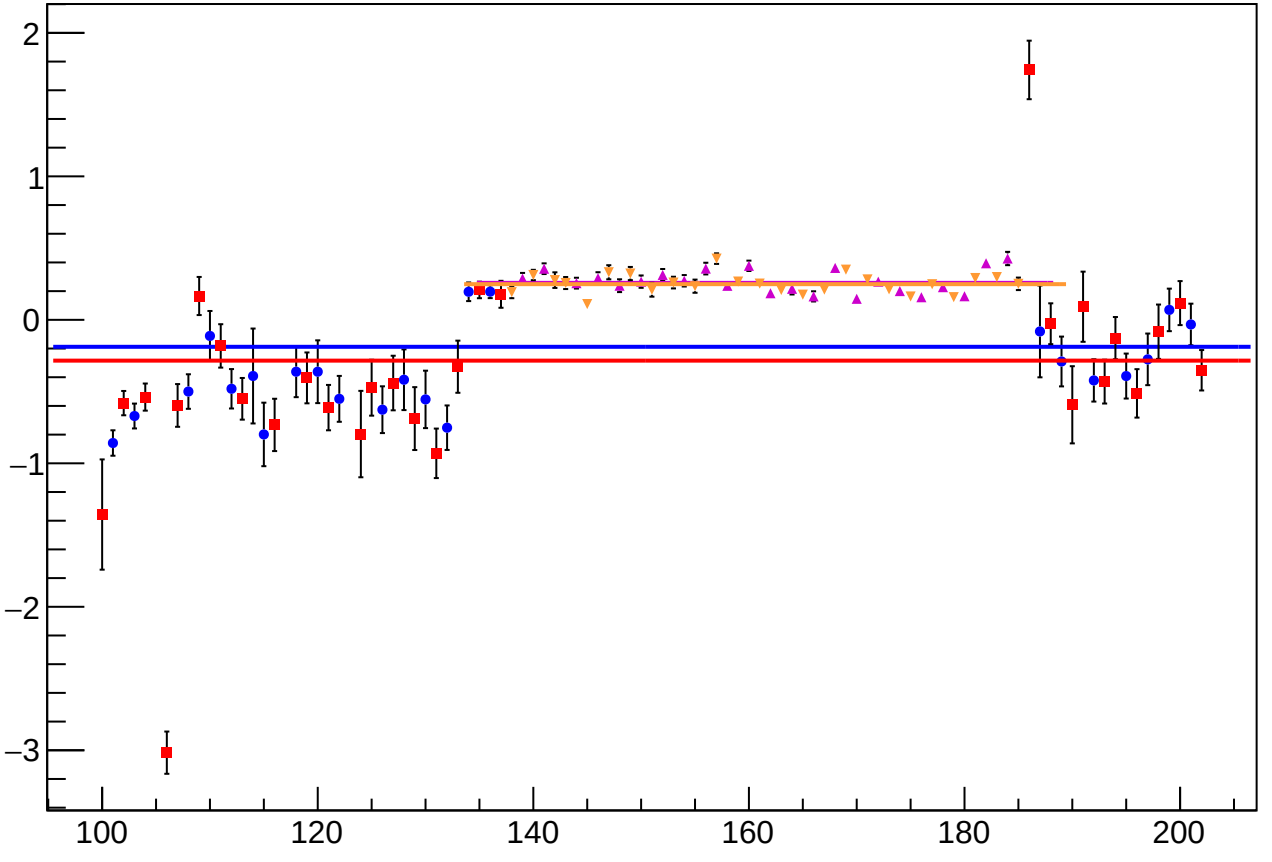
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -18.969+/-0.147 χ^2/NDF: 3037.9/47

All: -19.067+/-0.106 χ^2/NDF: 6691.9/99

- sign -19.171+/-0.152 χ^2/NDF: 3653.1/51

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.188+/-0.025 χ^2/NDF: 256.4/22

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.284+/-0.026 χ^2/NDF: 639.1/28

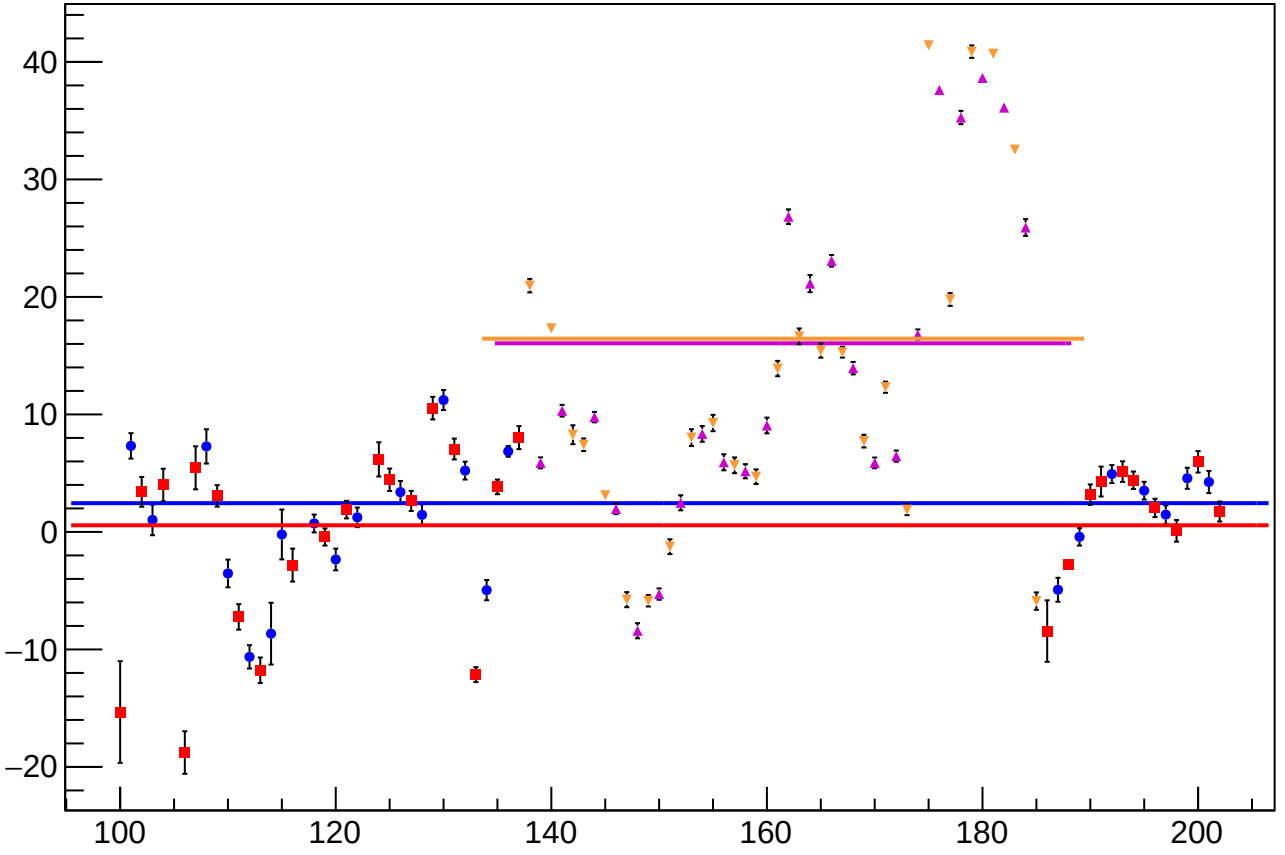
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.216+/-0.007 χ^2/NDF: 640.7/47

All: 0.218+/-0.005 χ^2/NDF: 1826.8/99

- sign 0.219+/-0.007 χ^2/NDF: 1186.0/51

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.448+/-0.182 χ^2/NDF: 664.0/22

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.566+/-0.162 χ^2/NDF: 1233.0/28

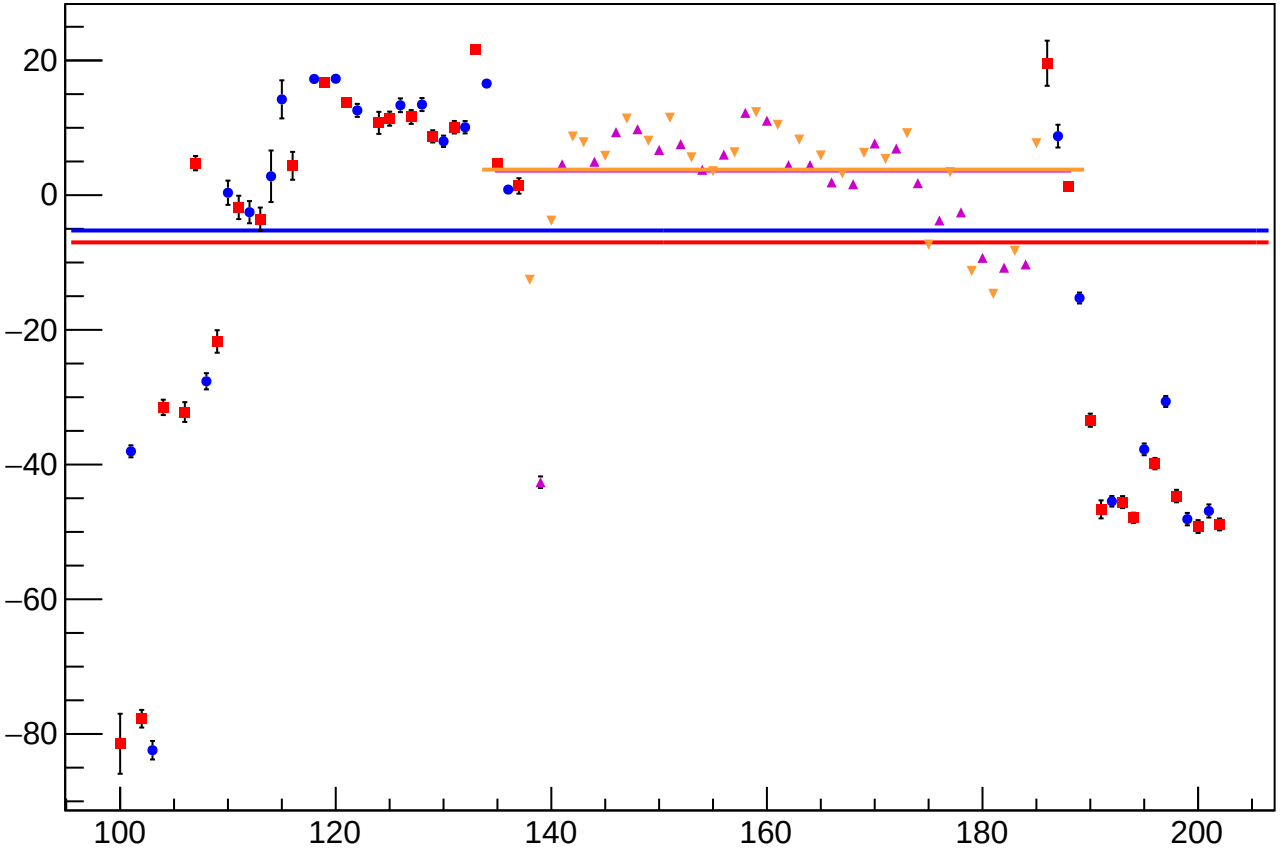
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.006+/-0.090 χ^2/NDF: 26520.8/47

All: 12.169+/-0.064 χ^2/NDF: 51880.9/99

- sign 11.349+/-0.089 χ^2/NDF: 25190.3/51

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -5.245+/-0.179 χ^2/NDF: 20864.4/22

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -7.012+/-0.167 χ^2/NDF: 27238.9/28

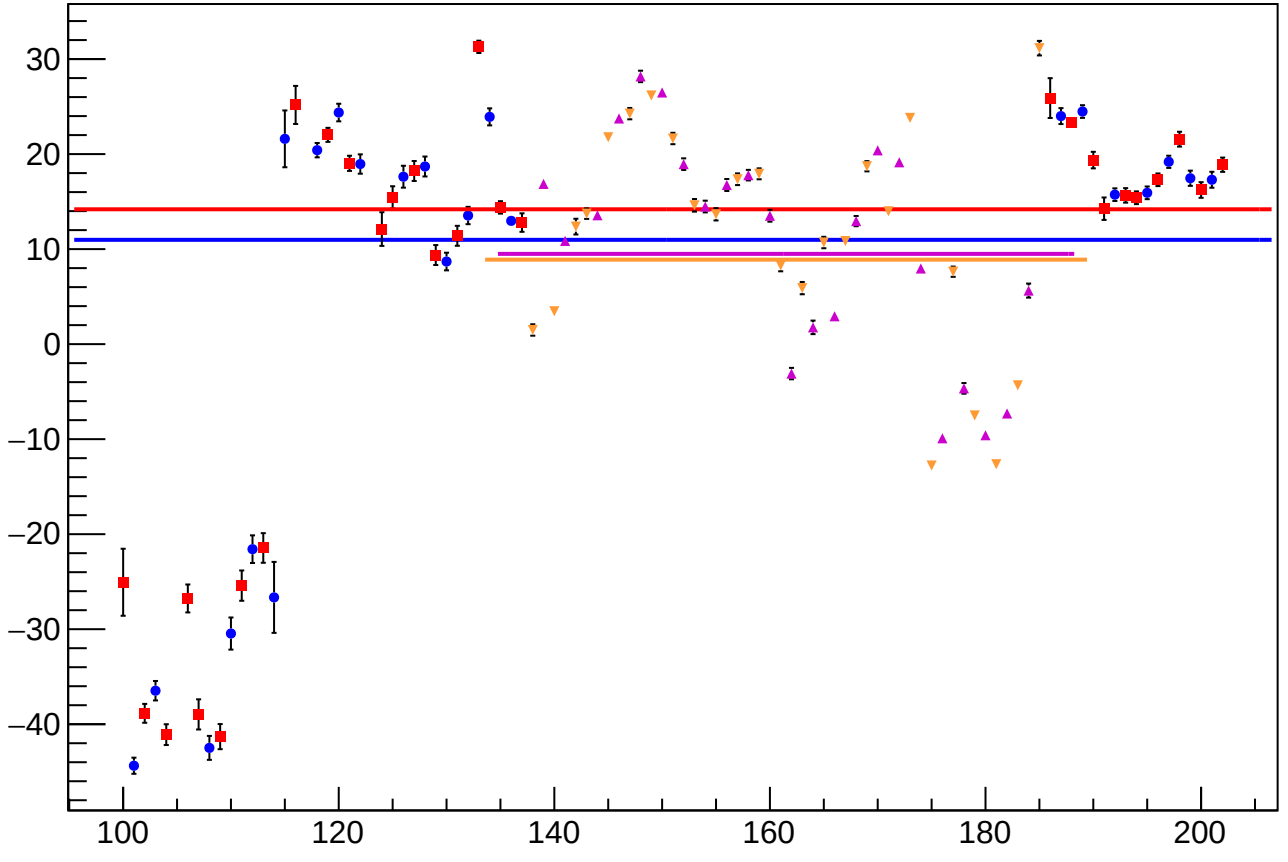
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 2.282+/-0.073 χ^2/NDF: 32090.3/47

All: 1.915+/-0.052 χ^2/NDF: 70964.4/99

- sign 1.536+/-0.074 χ^2/NDF: 38822.9/51

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 10.977+/-0.179 χ^2/NDF: 11218.1/22

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.192+/-0.155 χ^2/NDF: 12381.3/28

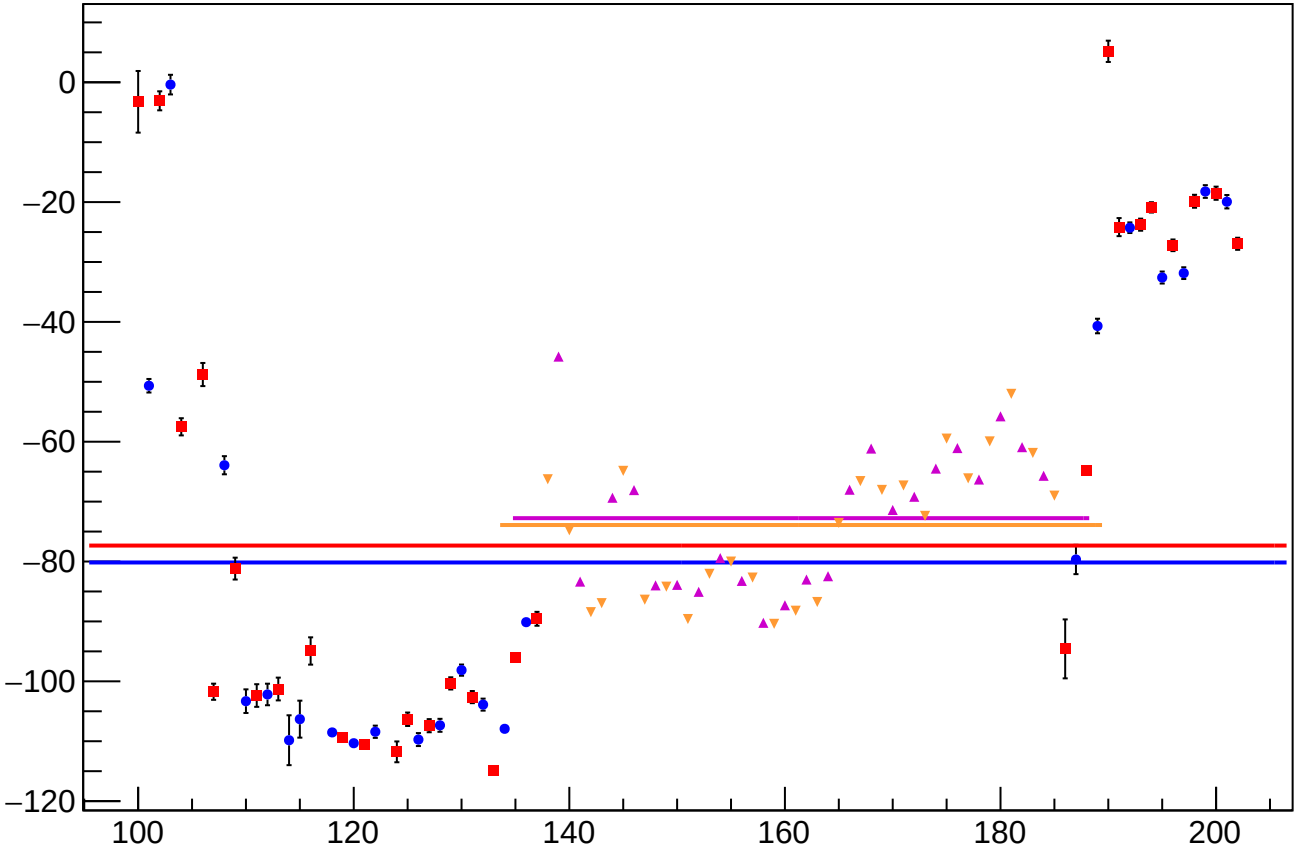
Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 9.417+/-0.090 χ^2/NDF: 26748.1/47

All: 10.226+/-0.063 χ^2/NDF: 52950.4/99

- sign 11.001+/-0.088 χ^2/NDF: 26043.1/51

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -80.160+/-0.209 χ^2/NDF: 28328.4/22

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -77.337+/-0.197 χ^2/NDF: 37896.8/28

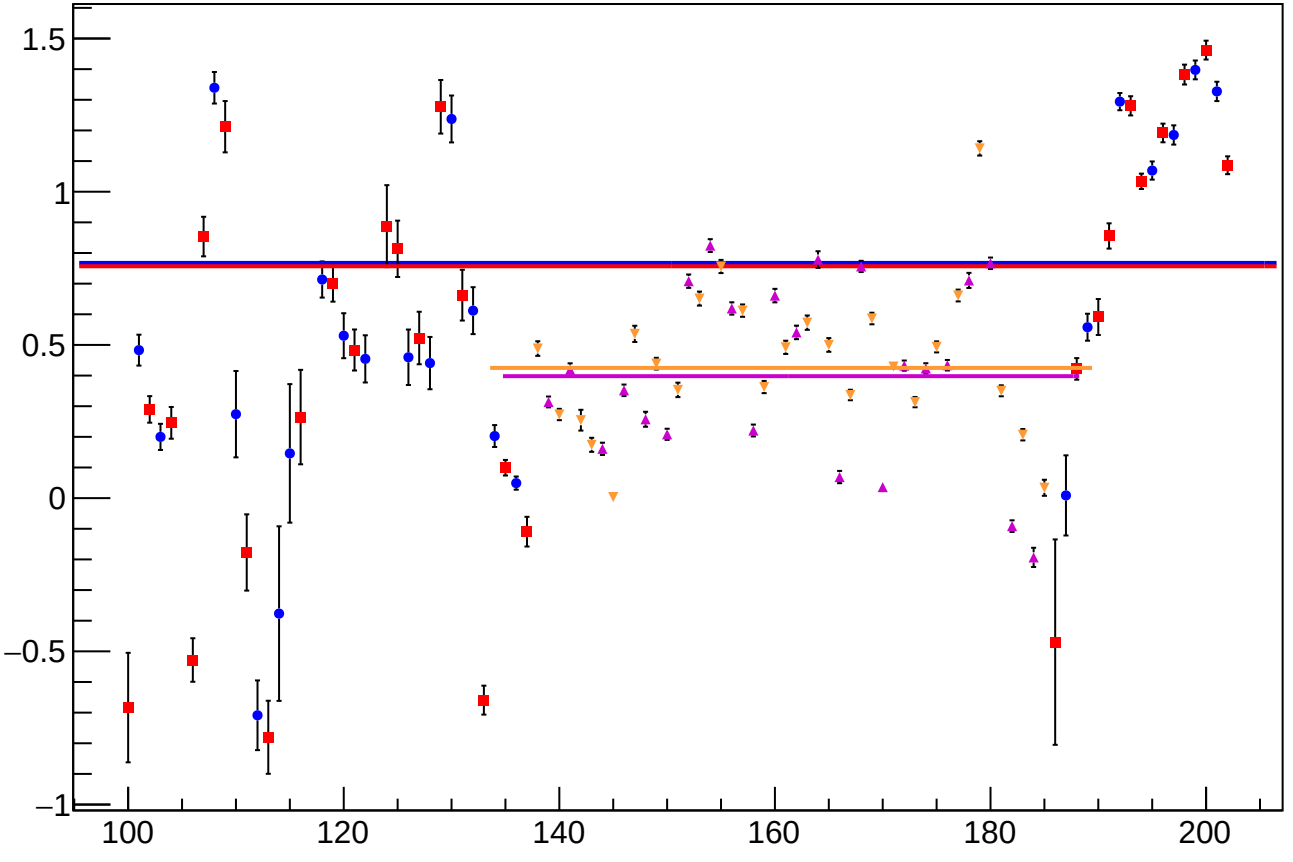
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -74.896+/-0.083 χ^2/NDF: 44651.0/47

All: -74.258+/-0.059 χ^2/NDF: 95719.2/99

- sign -73.598+/-0.084 χ^2/NDF: 50948.0/51

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.768+/-0.009 χ^2/NDF: 3423.0/22

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.757+/-0.009 χ^2/NDF: 4569.7/28

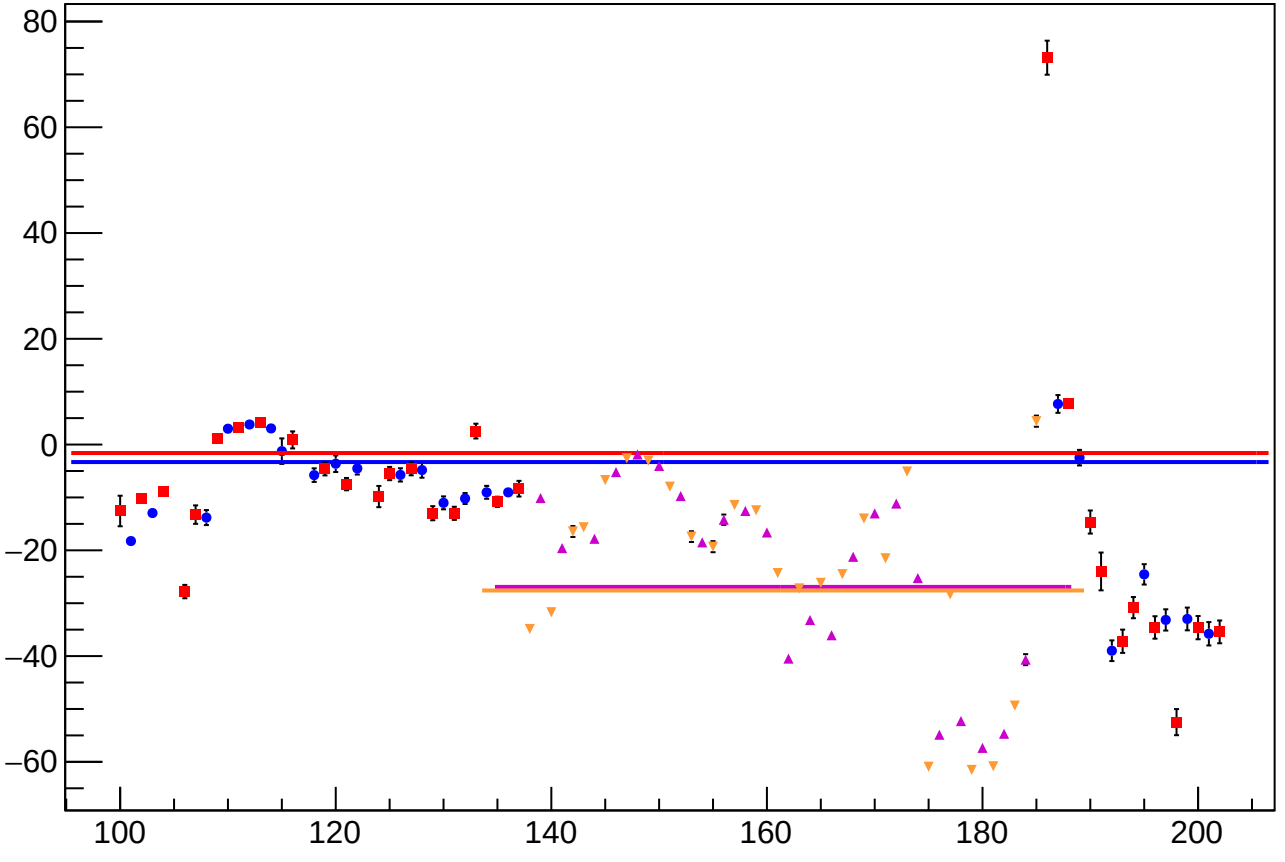
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.480+/-0.004 χ^2/NDF: 7613.0/47

All: 0.473+/-0.003 χ^2/NDF: 17897.3/99

- sign 0.466+/-0.004 χ^2/NDF: 10277.0/51

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.310+/-0.185 χ^2/NDF: 2650.8/22

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.601+/-0.163 χ^2/NDF: 3859.0/28

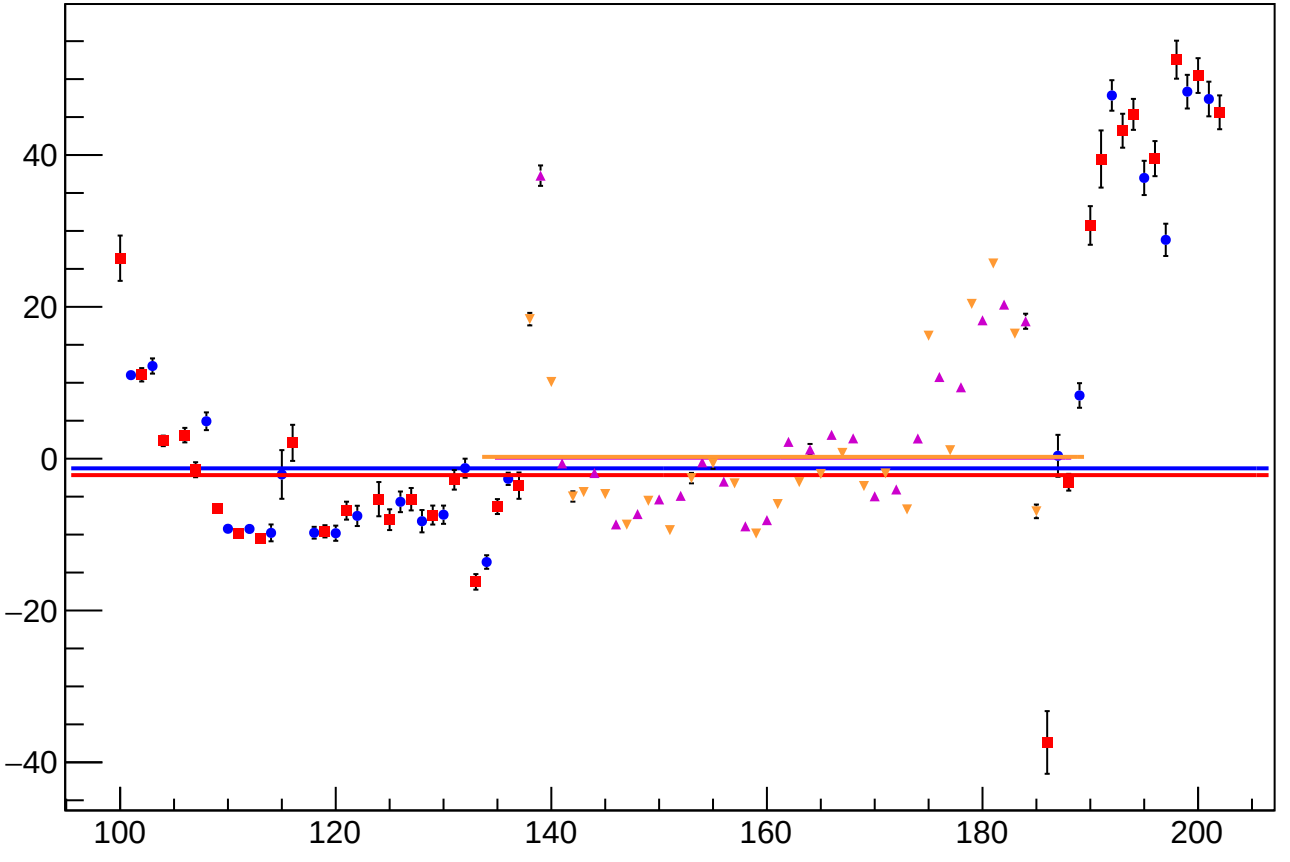
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.421+/-0.114 χ^2/NDF: 33108.9/47

All: -16.834+/-0.079 χ^2/NDF: 66032.2/99

- sign -15.353+/-0.110 χ^2/NDF: 32547.4/51

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -1.273+/-0.217 χ^2/NDF: 3626.3/22

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -2.165+/-0.208 χ^2/NDF: 4272.8/28

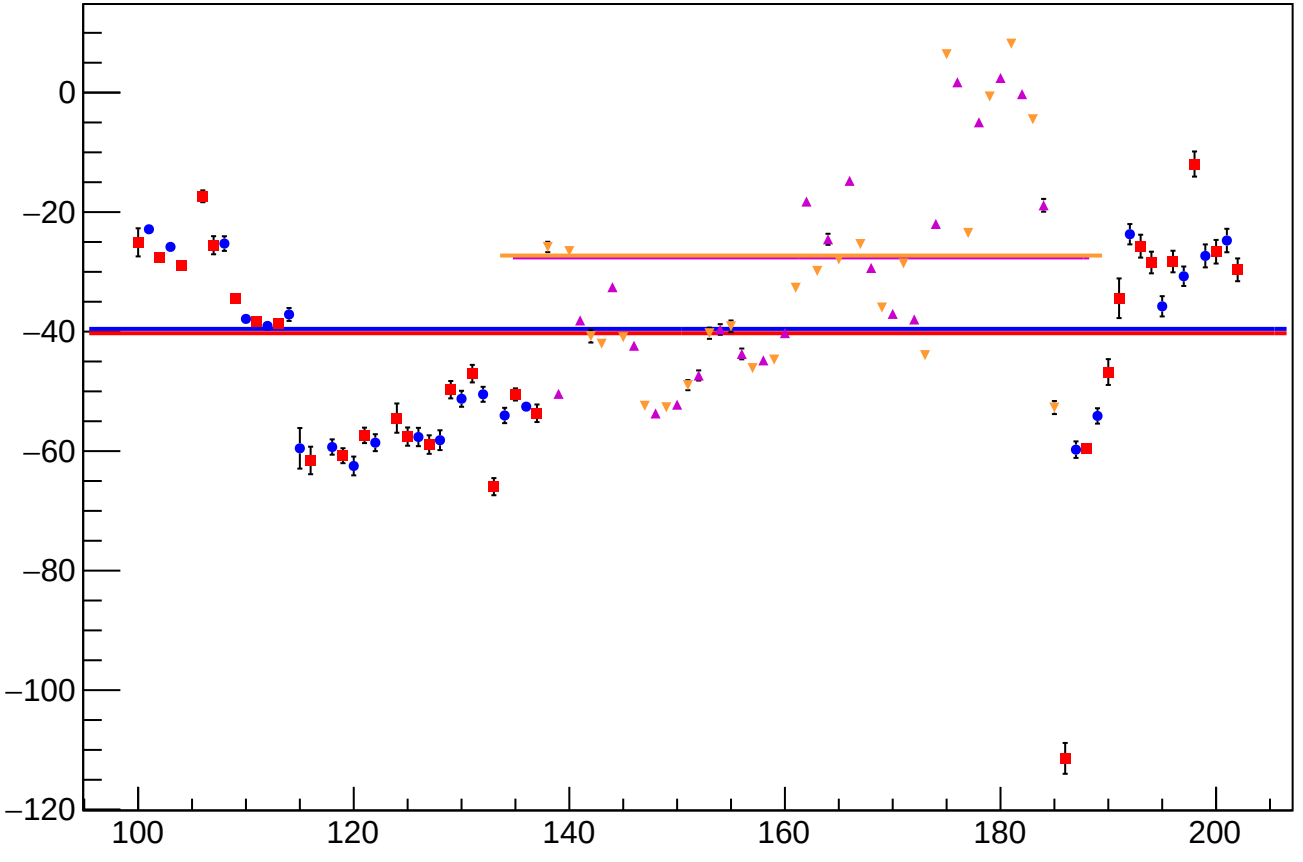
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.072+/-0.098 χ^2/NDF: 11700.4/47

All: -0.235+/-0.070 χ^2/NDF: 21910.0/99

- sign -0.404+/-0.100 χ^2/NDF: 10204.0/51

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.542+/-0.211 χ^2/NDF: 3519.4/22

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.272+/-0.193 χ^2/NDF: 4969.0/28

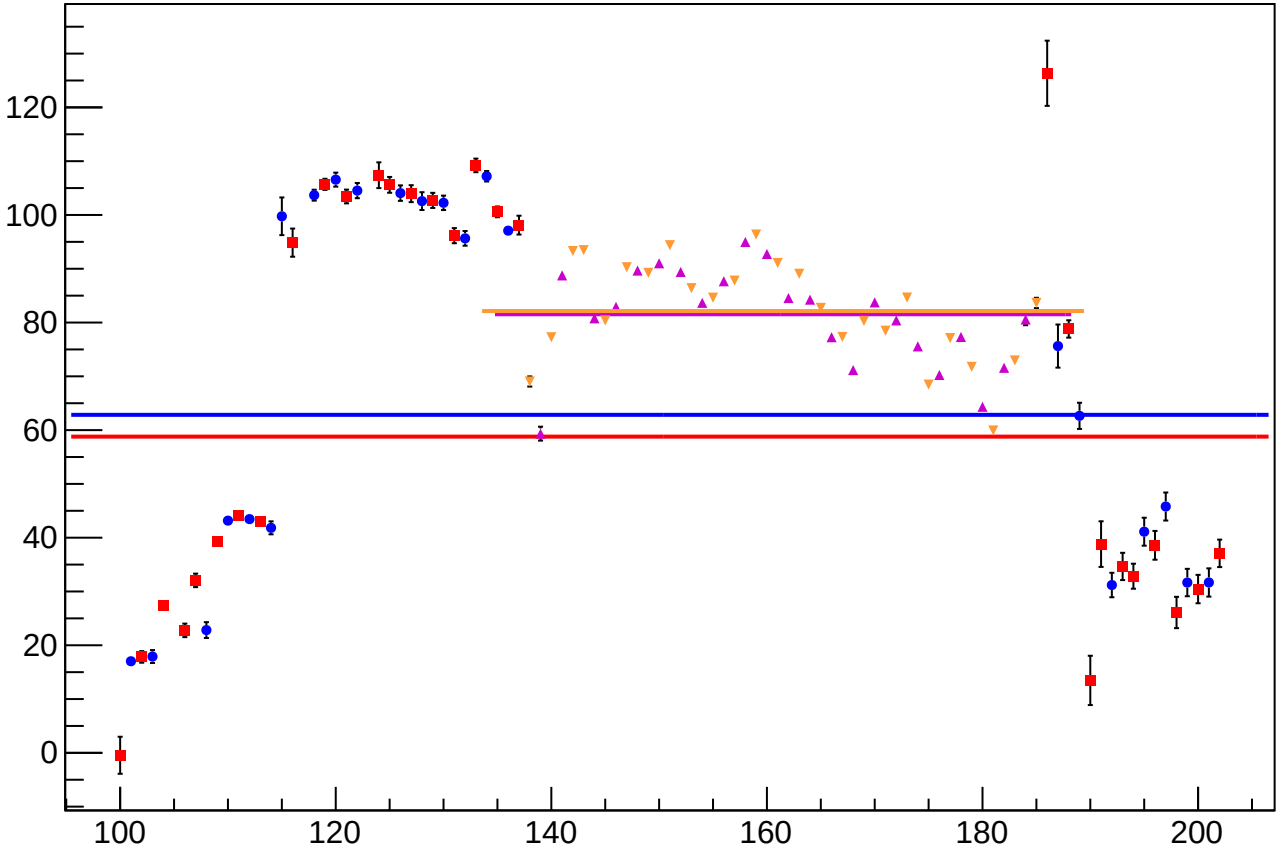
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.160+/-0.119 χ^2/NDF: 24351.1/47

All: -31.729+/-0.084 χ^2/NDF: 47730.9/99

- sign -32.286+/-0.118 χ^2/NDF: 23334.5/51

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 62.842+/-0.249 χ^2/NDF: 19231.2/22

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.791+/-0.239 χ^2/NDF: 18432.1/28

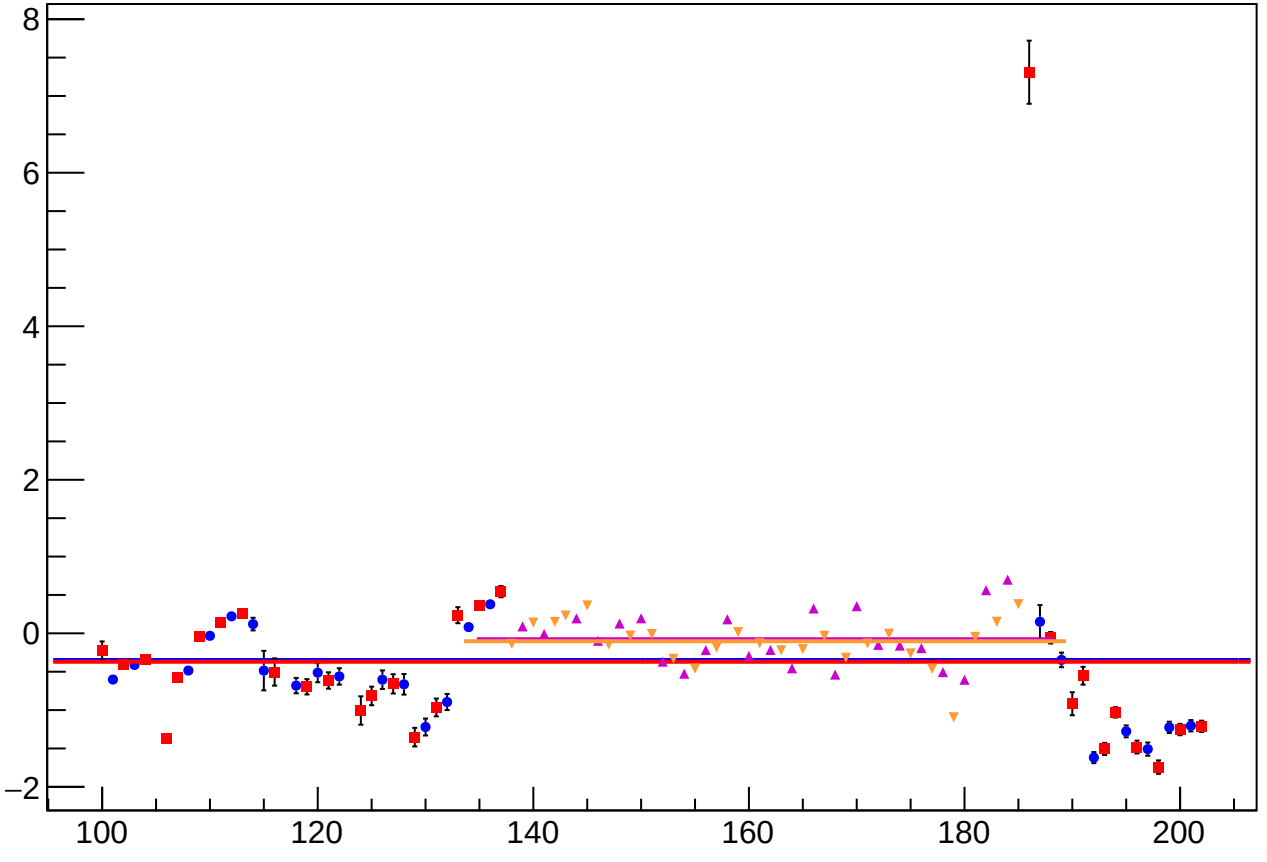
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.268+/-0.112 χ^2/NDF: 29398.5/47

All: 77.347+/-0.080 χ^2/NDF: 59049.4/99

- sign 76.395+/-0.113 χ^2/NDF: 29512.3/51

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.347+/-0.012 χ^2/NDF: 1973.8/22

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.370+/-0.012 χ^2/NDF: 2892.1/28

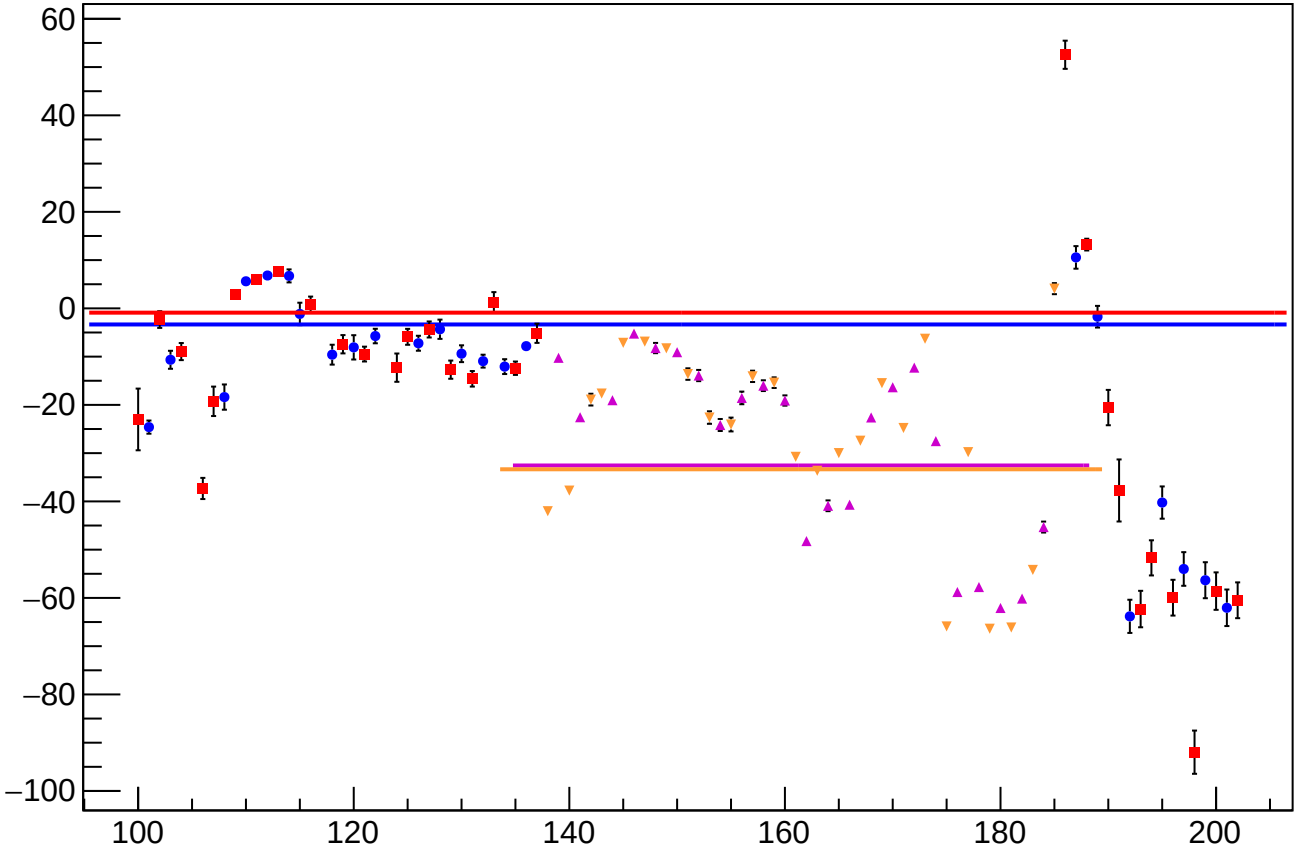
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.145+/-0.005 χ^2/NDF: 4704.8/47

All: -0.139+/-0.004 χ^2/NDF: 11426.6/99

- sign -0.134+/-0.005 χ^2/NDF: 6719.5/51

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -3.336+/-0.297 χ^2/NDF: 2051.0/22

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -0.889+/-0.268 χ^2/NDF: 3079.1/28

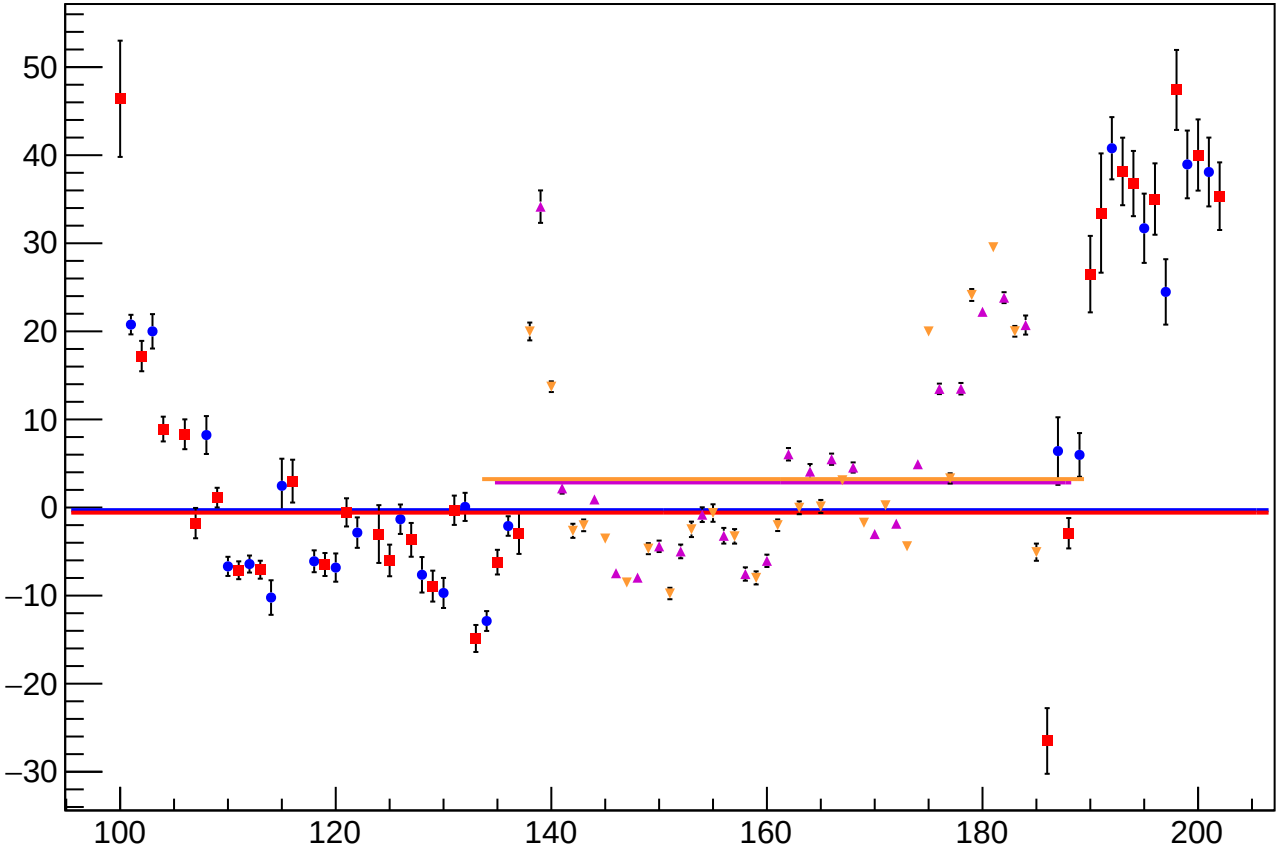
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.304+/-0.144 χ^2/NDF: 27840.3/47

All: -24.913+/-0.102 χ^2/NDF: 54956.1/99

- sign -23.536+/-0.143 χ^2/NDF: 26930.1/51

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -0.299+/-0.344 χ^2/NDF: 1252.2/22

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -0.580+/-0.337 χ^2/NDF: 1172.2/28

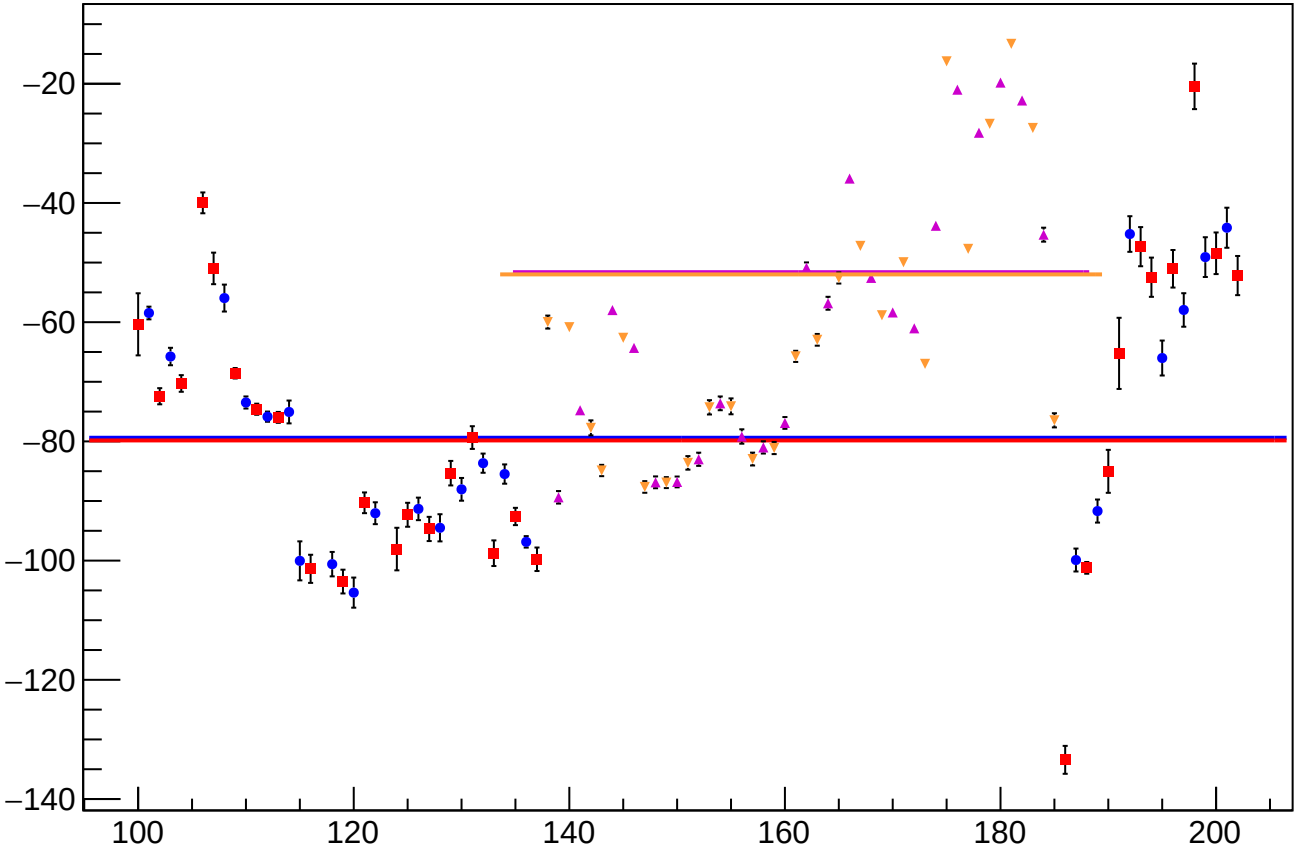
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.794+/-0.120 χ^2/NDF: 9020.1/47

All: 2.598+/-0.086 χ^2/NDF: 15742.7/99

- sign 2.395+/-0.122 χ^2/NDF: 6717.3/51

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -79.390+/-0.341 χ^2/NDF: 1947.1/22

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.836+/-0.319 χ^2/NDF: 3235.2/28

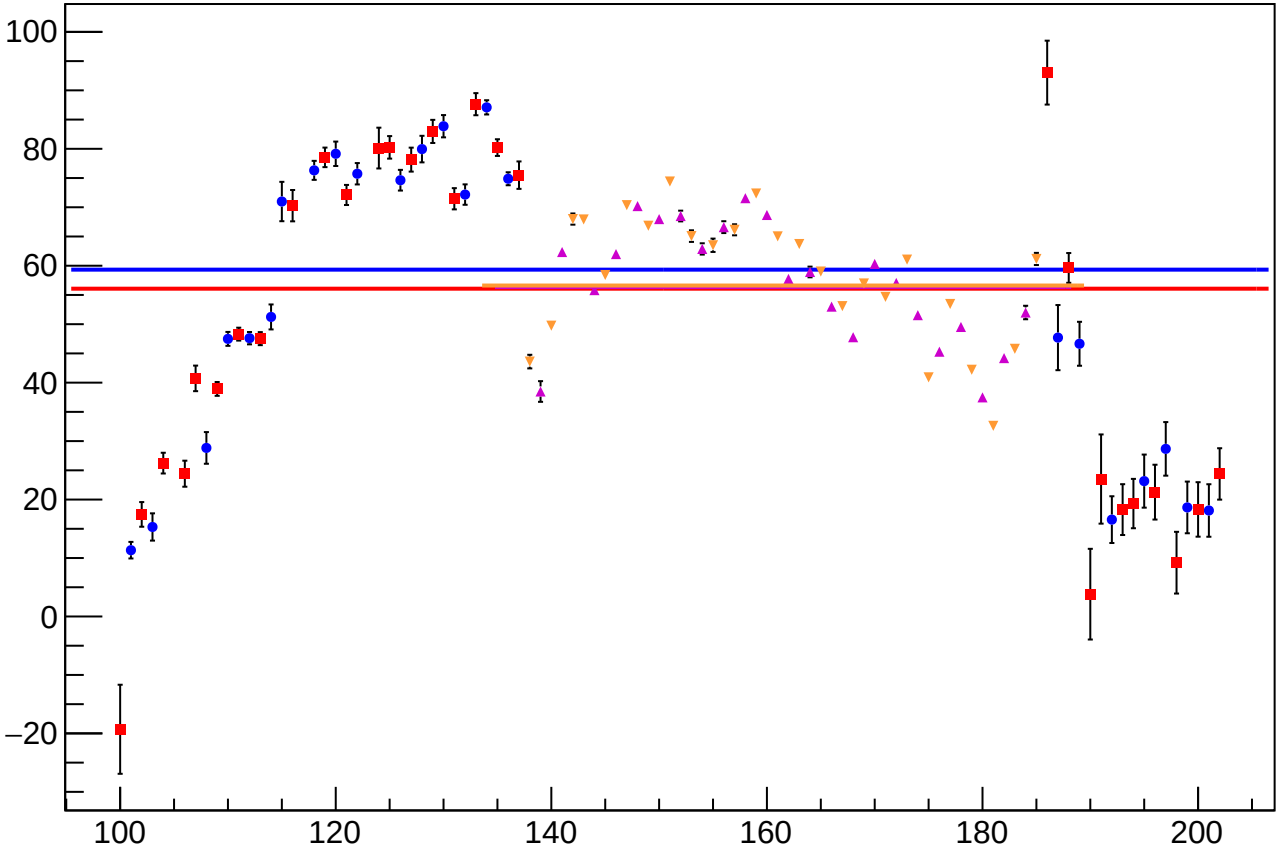
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.173+/-0.148 χ^2/NDF: 28072.1/47

All: -57.491+/-0.105 χ^2/NDF: 55064.4/99

- sign -57.814+/-0.149 χ^2/NDF: 26983.1/51

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 59.329+/-0.389 χ^2/NDF: 3656.8/22

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 56.072+/-0.385 χ^2/NDF: 3306.9/28

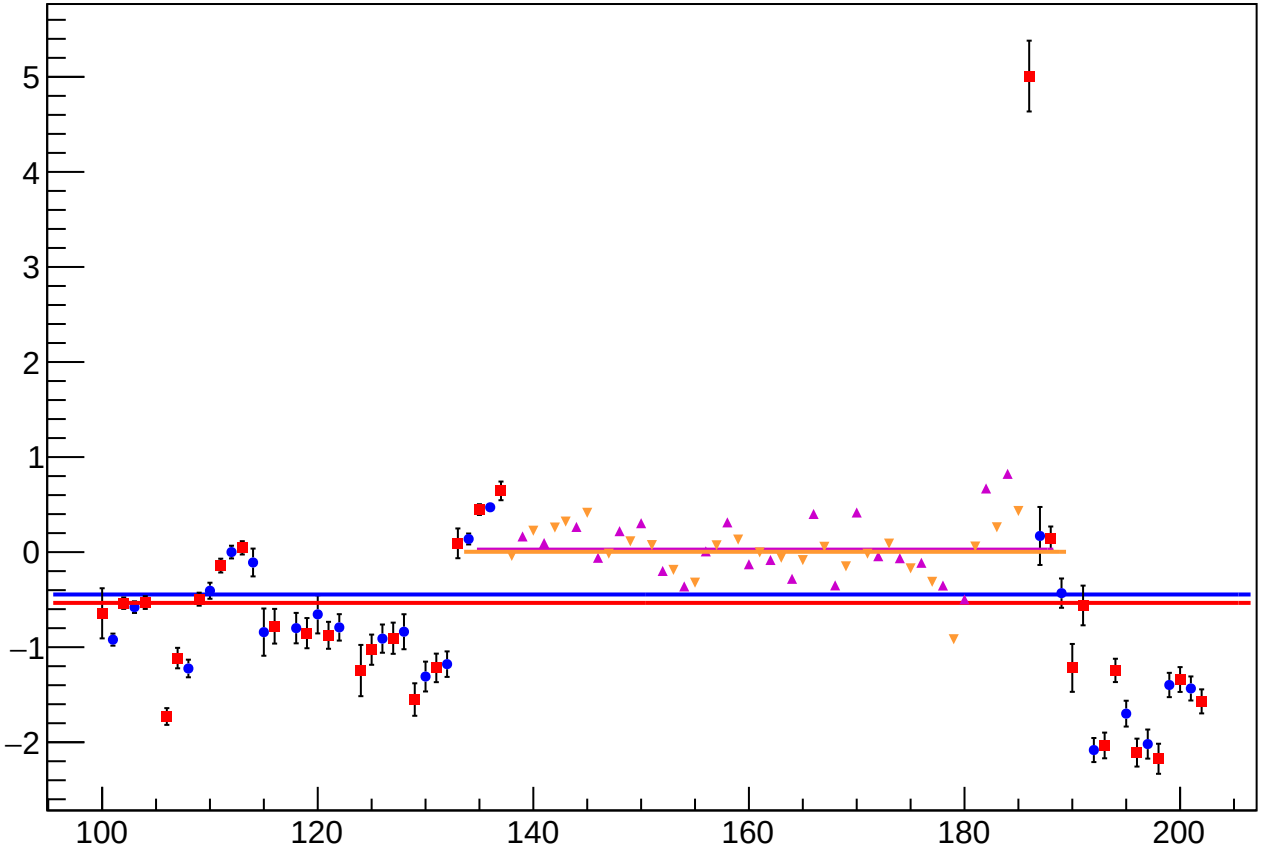
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.939+/-0.135 χ^2/NDF: 9365.8/47

All: 56.632+/-0.096 χ^2/NDF: 16652.3/99

- sign 56.312+/-0.138 χ^2/NDF: 7276.0/51

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.446+/-0.020 χ^2/NDF: 1264.4/22

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.534+/-0.020 χ^2/NDF: 1607.7/28

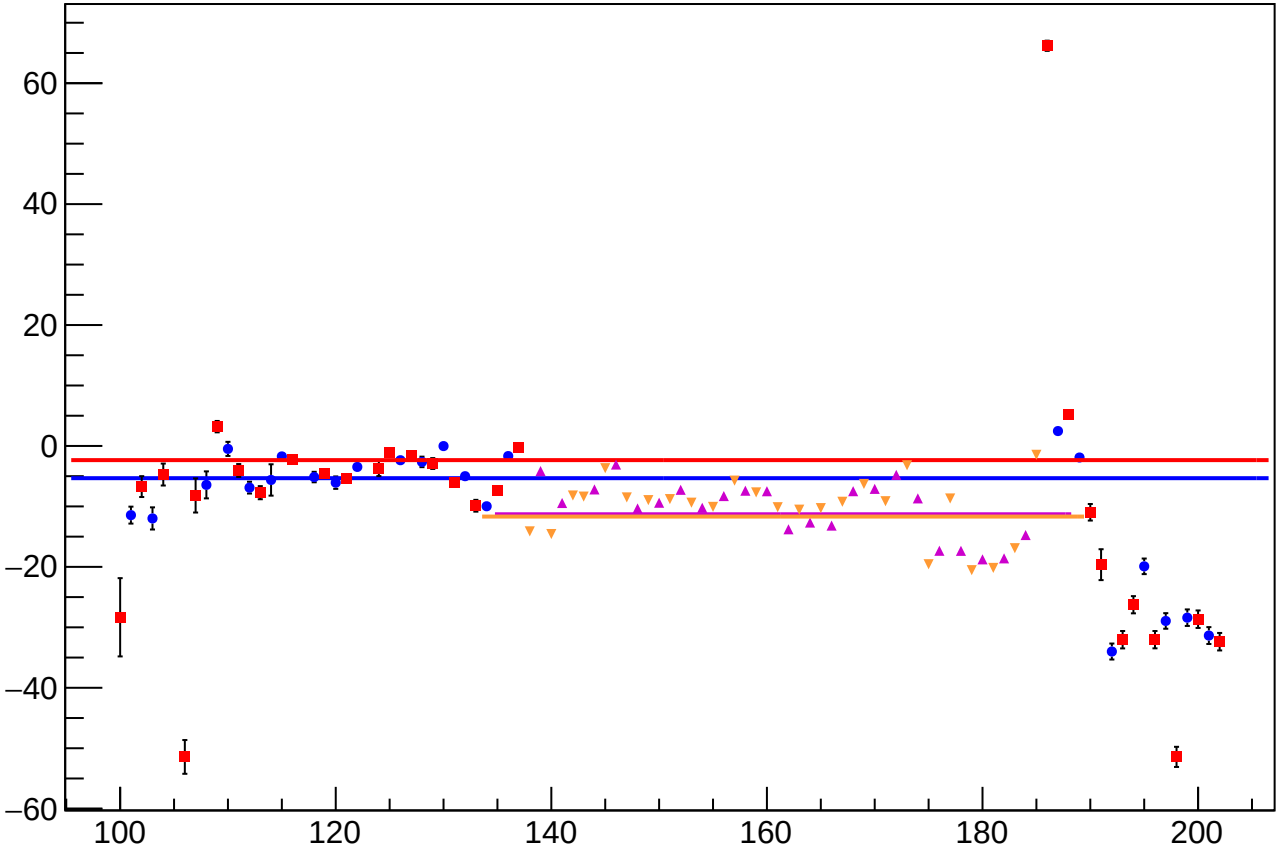
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.038+/-0.006 χ^2/NDF: 3417.7/47

All: -0.034+/-0.004 χ^2/NDF: 8090.2/99

- sign -0.029+/-0.006 χ^2/NDF: 4671.4/51

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.330+/-0.171 χ^2/NDF: 1995.5/22

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.343+/-0.168 χ^2/NDF: 10406.0/28

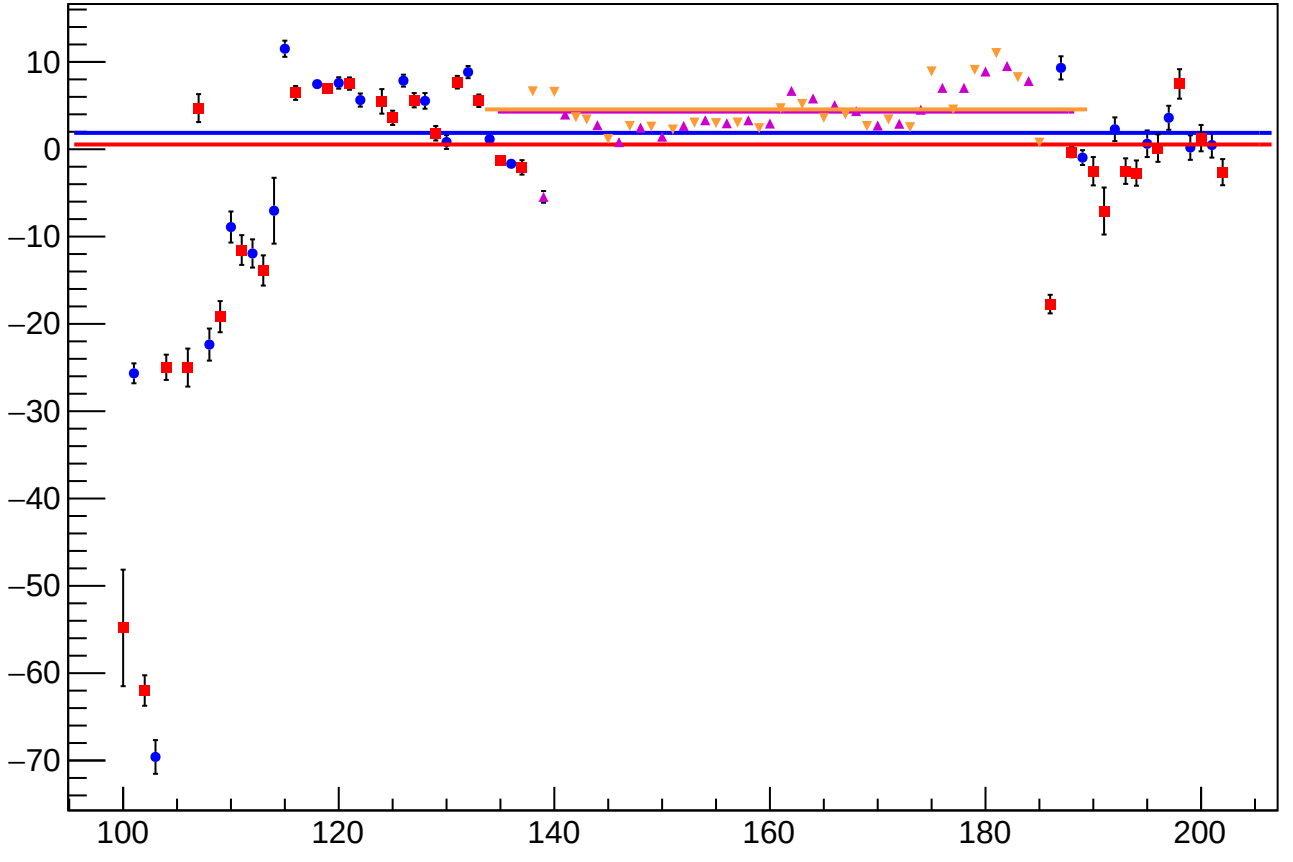
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.133+/-0.050 χ^2/NDF: 15851.5/47

All: -10.804+/-0.036 χ^2/NDF: 38157.3/99

- sign -10.461+/-0.051 χ^2/NDF: 22218.6/51

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.876+/-0.176 χ^2/NDF: 2885.4/22

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.545+/-0.183 χ^2/NDF: 2921.9/28

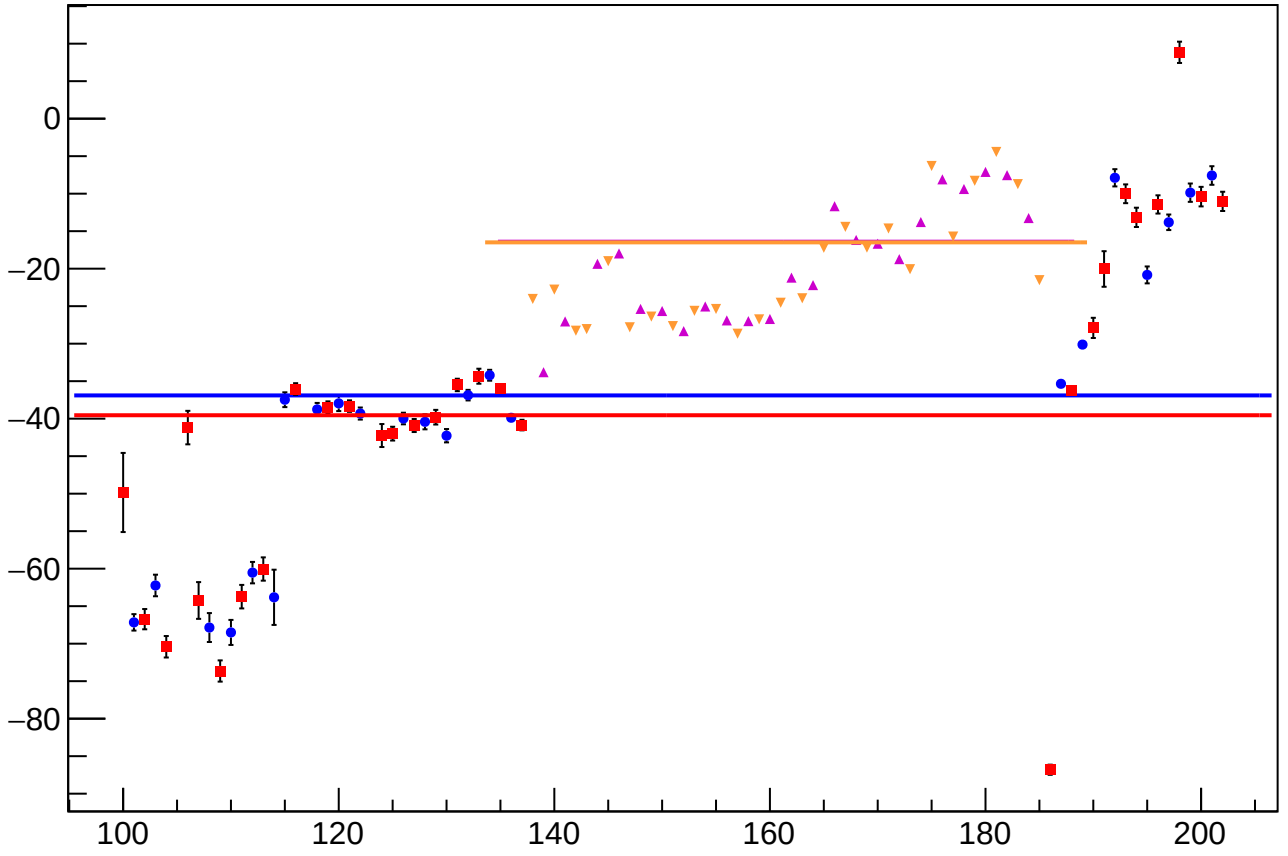
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.422+/-0.040 χ^2/NDF: 7463.6/47

All: 4.274+/-0.029 χ^2/NDF: 14423.5/99

- sign 4.119+/-0.041 χ^2/NDF: 6932.1/51

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -36.900+/-0.178 χ^2/NDF: 4678.3/22

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -39.543+/-0.171 χ^2/NDF: 10899.7/28

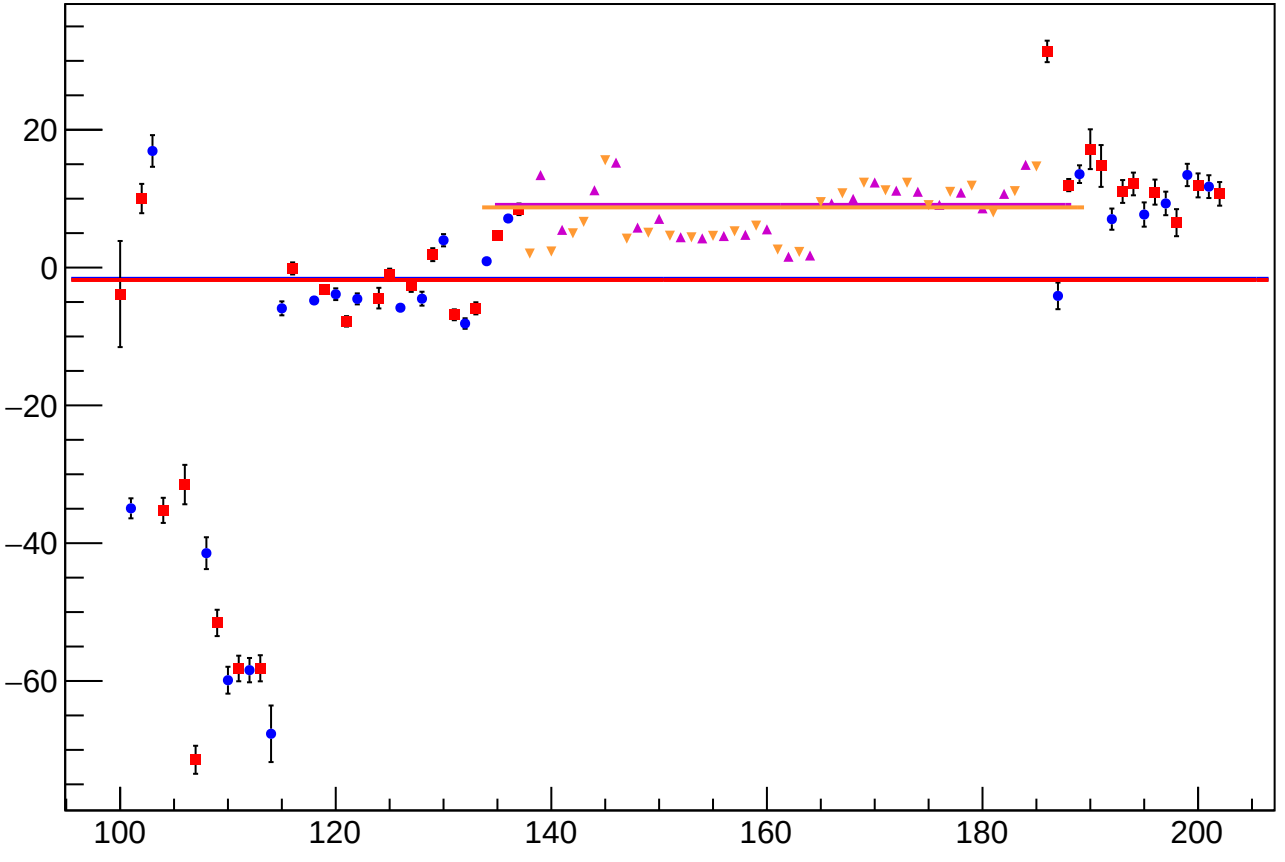
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.142+/-0.051 χ^2/NDF: 38745.7/47

All: -18.316+/-0.036 χ^2/NDF: 84356.6/99

- sign -18.495+/-0.051 χ^2/NDF: 45587.0/51

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -1.635+/-0.198 χ^2/NDF: 4158.7/22

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -1.800+/-0.211 χ^2/NDF: 5651.4/28

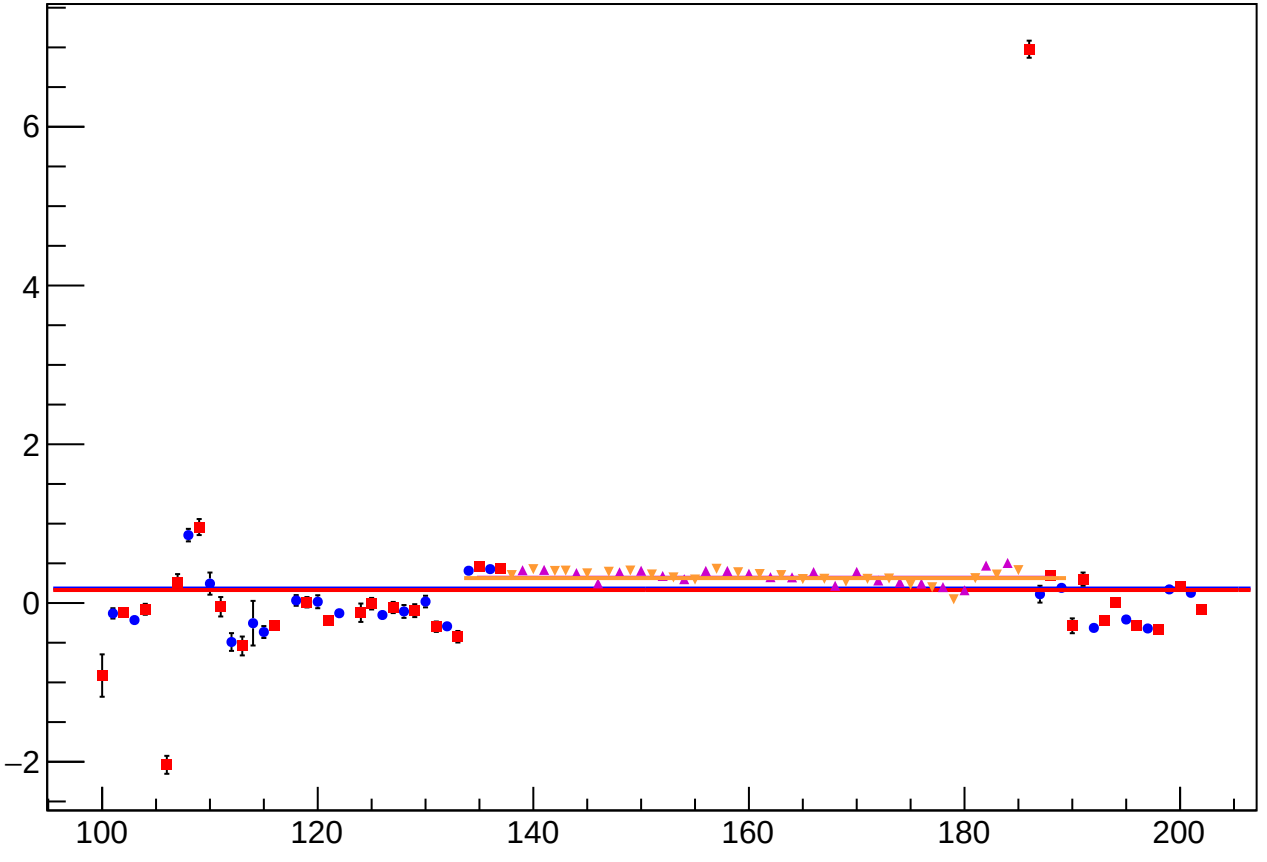
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.200+/-0.045 χ^2/NDF: 13630.6/47

All: 8.385+/-0.032 χ^2/NDF: 27599.7/99

- sign 8.578+/-0.046 χ^2/NDF: 13934.5/51

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.183+/-0.010 χ^2/NDF: 905.1/22

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.164+/-0.011 χ^2/NDF: 5302.8/28

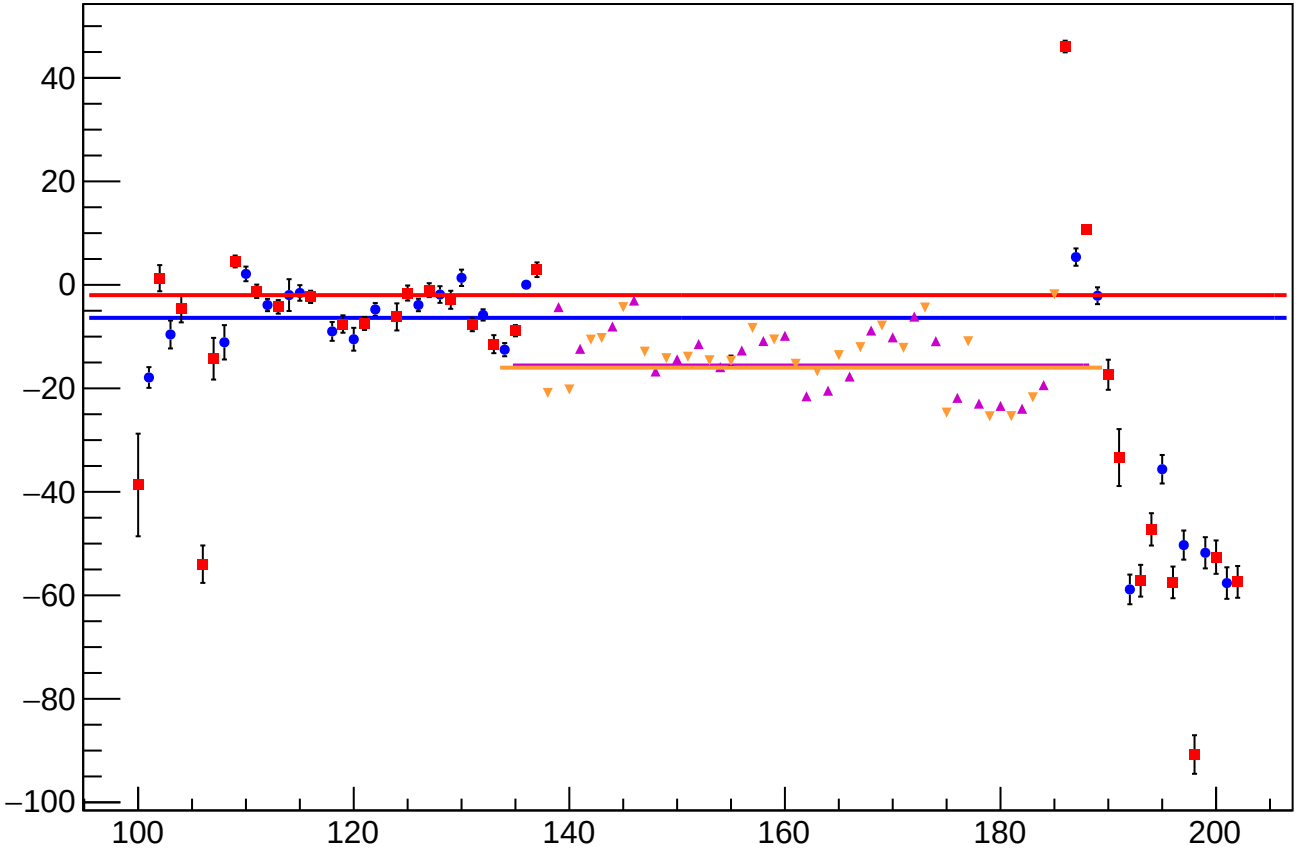
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.309+/-0.002 χ^2/NDF: 2673.3/47

All: 0.311+/-0.001 χ^2/NDF: 9968.3/99

- sign 0.313+/-0.002 χ^2/NDF: 7292.7/51

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -6.375+/-0.321 χ^2/NDF: 1495.8/22

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -1.983+/-0.307 χ^2/NDF: 4469.1/28

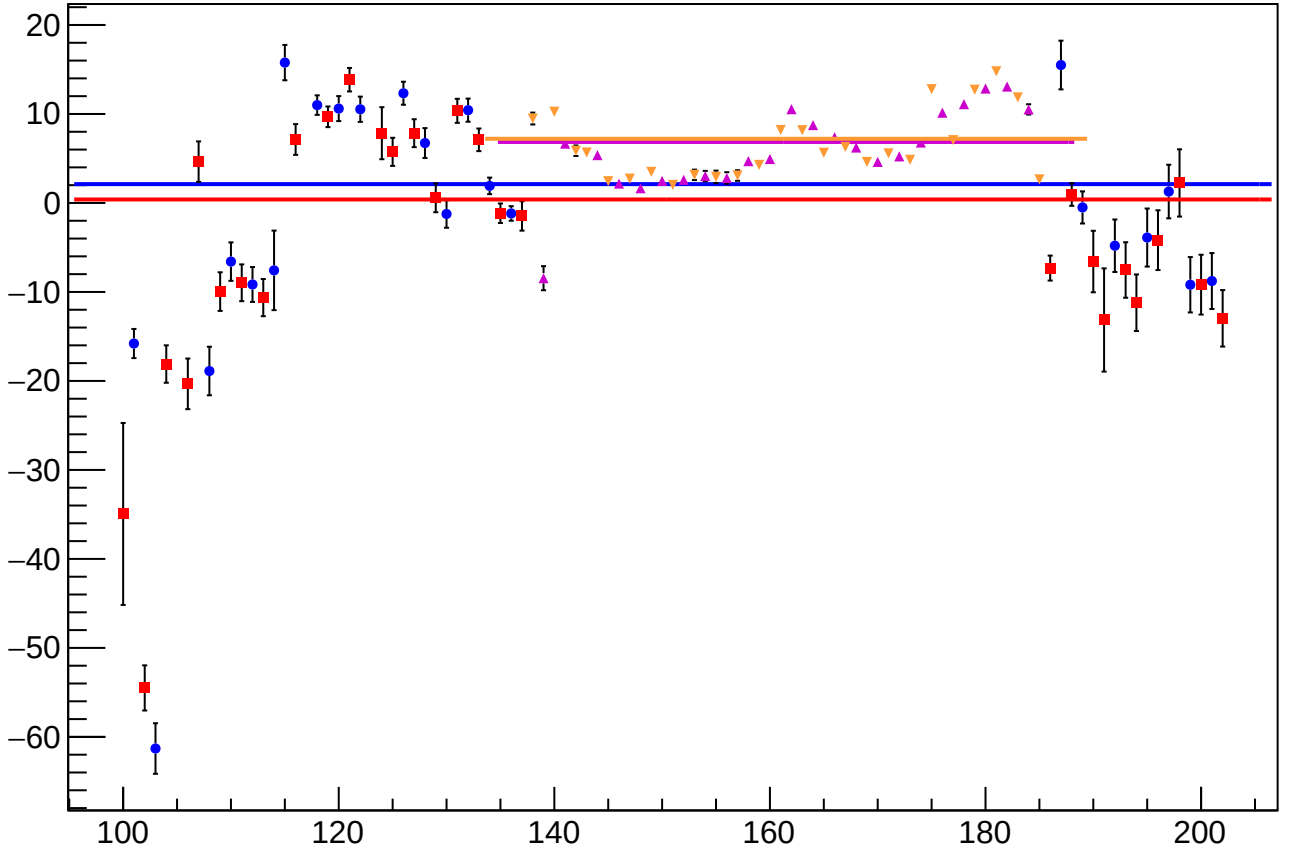
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.160+/-0.095 χ^2/NDF: 8277.4/47

All: -14.705+/-0.068 χ^2/NDF: 19317.8/99

- sign -14.233+/-0.097 χ^2/NDF: 10993.6/51

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.116+/-0.337 χ^2/NDF: 1107.9/22

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.392+/-0.343 χ^2/NDF: 1082.7/28

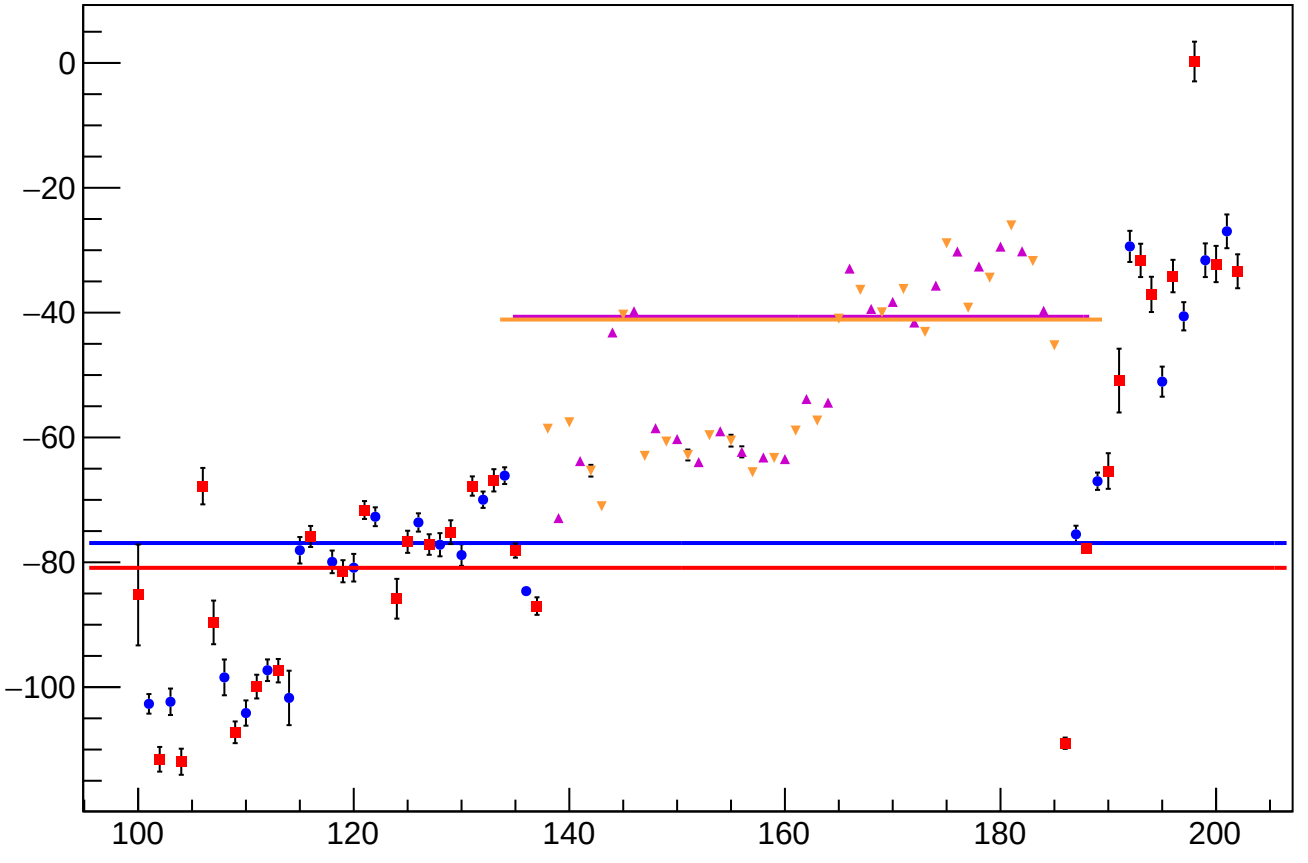
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.939+/-0.078 χ^2/NDF: 3780.6/47

All: 6.729+/-0.055 χ^2/NDF: 7370.4/99

- sign 6.514+/-0.079 χ^2/NDF: 3575.1/51

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -76.913+/-0.341 χ^2/NDF: 2464.3/22

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -80.888+/-0.319 χ^2/NDF: 4314.0/28

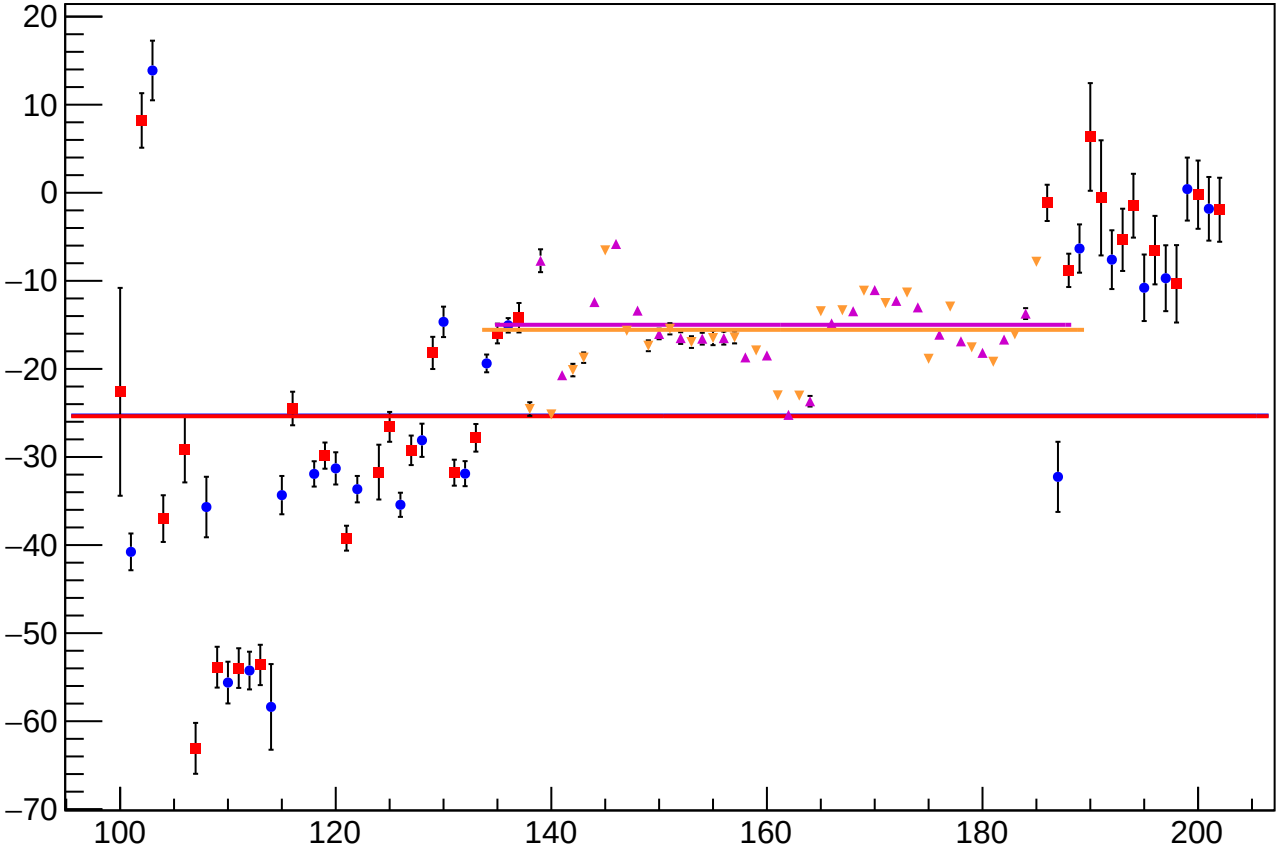
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.952+/-0.096 χ^2/NDF: 28637.3/47

All: -44.181+/-0.068 χ^2/NDF: 60945.6/99

- sign -44.417+/-0.097 χ^2/NDF: 32296.8/51

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -25.292+/-0.379 χ^2/NDF: 1182.9/22

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -25.373+/-0.396 χ^2/NDF: 1491.2/28

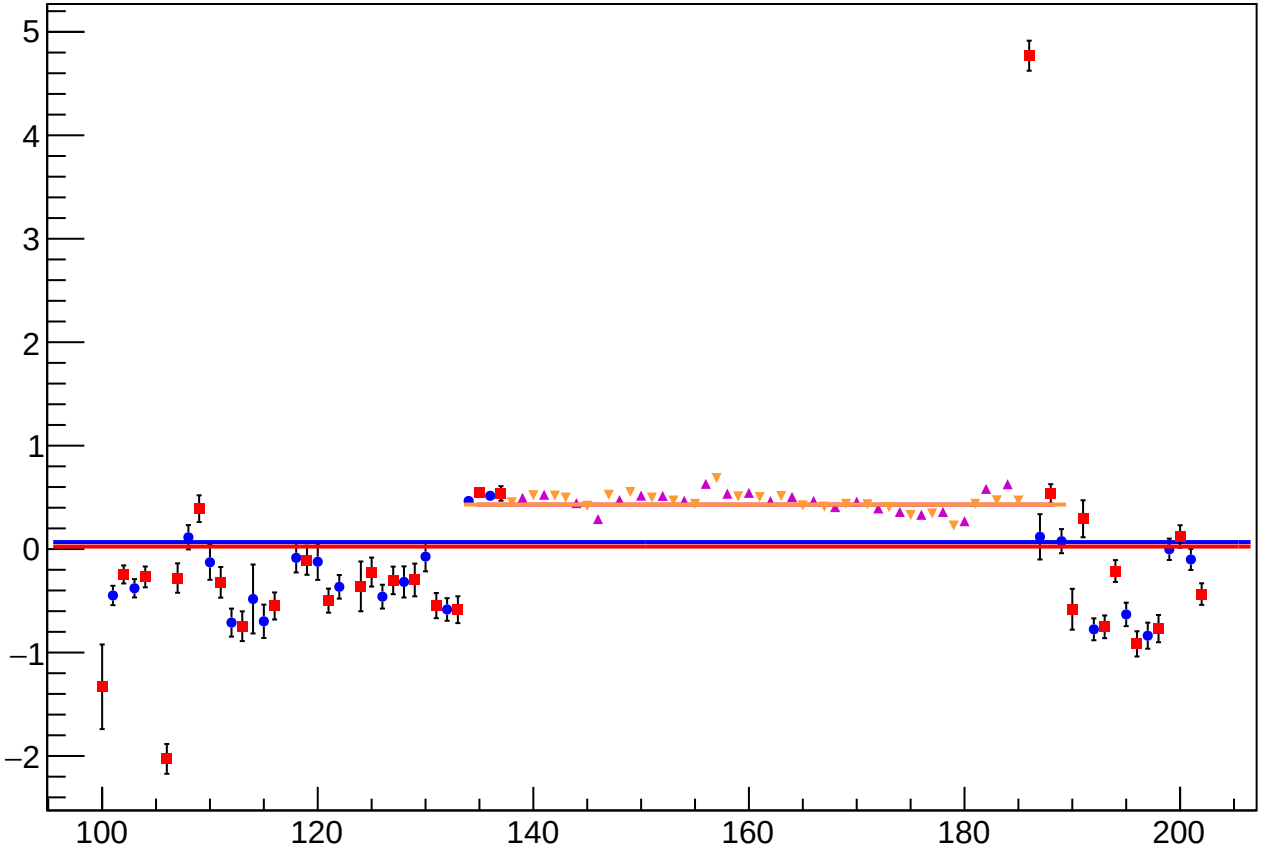
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.070+/-0.086 χ^2/NDF: 4358.0/47

All: -15.791+/-0.062 χ^2/NDF: 8673.5/99

- sign -15.502+/-0.088 χ^2/NDF: 4294.3/51

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.068+/-0.019 χ^2/NDF: 598.7/22

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.024+/-0.021 χ^2/NDF: 1853.8/28

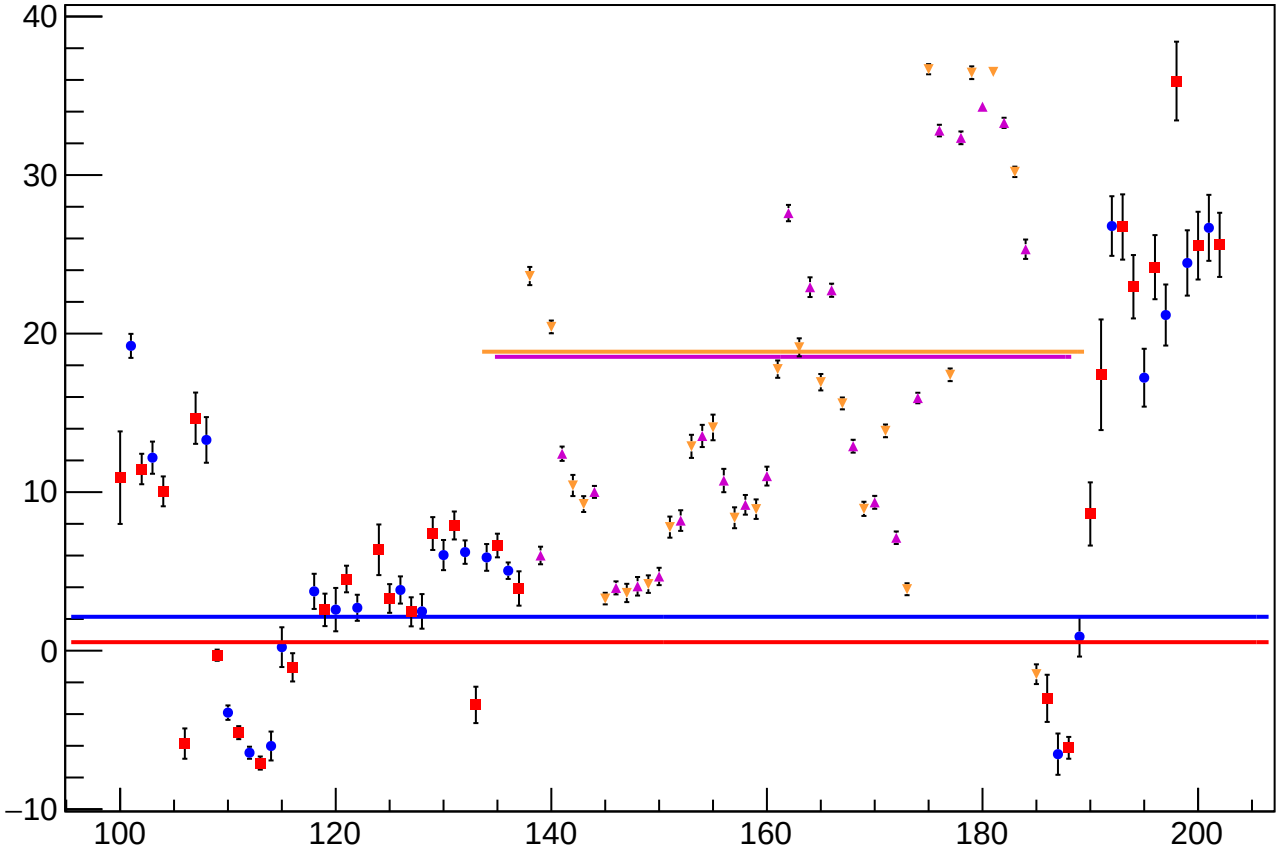
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.416+/-0.004 χ^2/NDF: 1358.2/47

All: 0.415+/-0.003 χ^2/NDF: 4171.4/99

- sign 0.415+/-0.004 χ^2/NDF: 2813.2/51

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.138+/-0.176 χ^2/NDF: 2177.0/22

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.537+/-0.158 χ^2/NDF: 2218.8/28

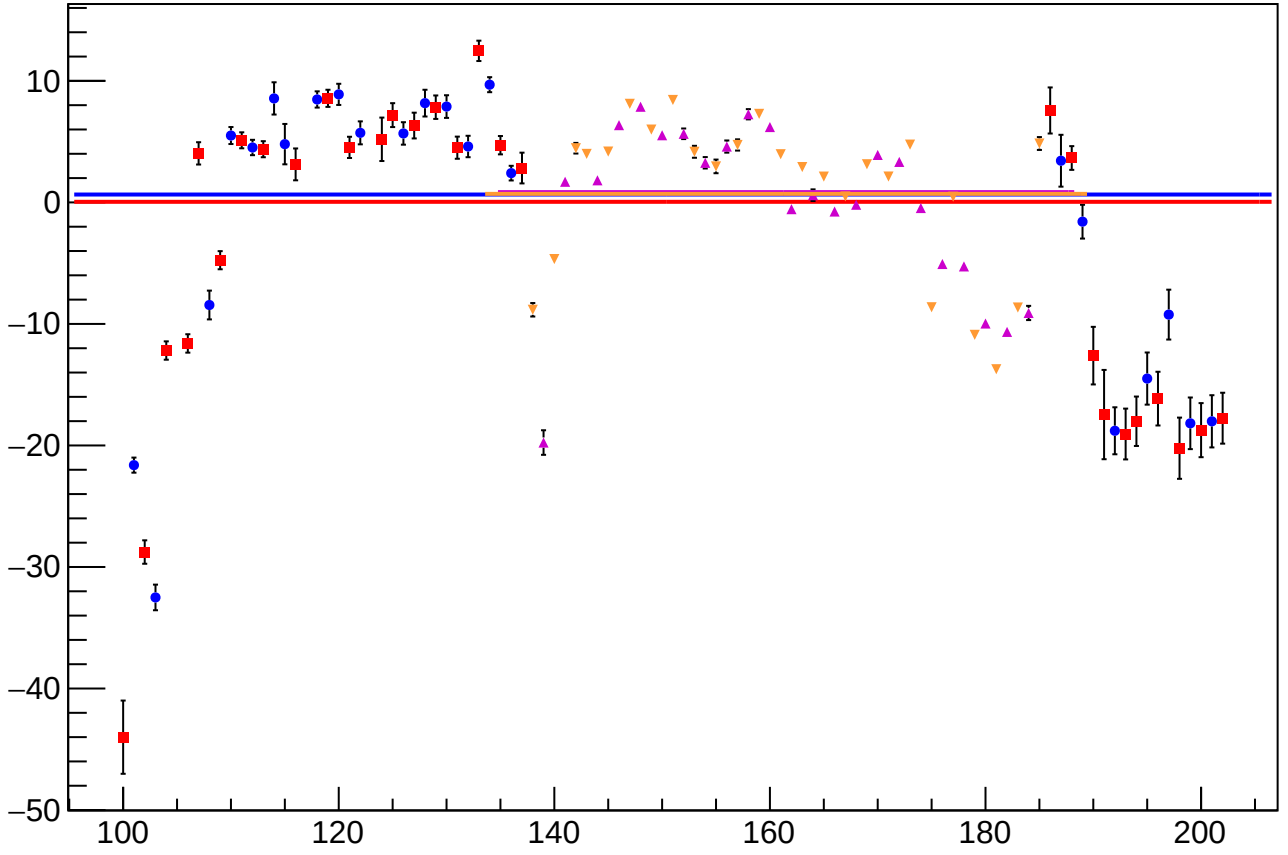
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

\+ sign 15.360+/-0.080 χ^2/NDF: 27706.8/47

All: 14.628+/-0.057 χ^2/NDF: 53761.2/99

\- sign 13.897+/-0.080 χ^2/NDF: 25888.7/51

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.648+/-0.196 χ^2/NDF: 3428.5/22

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.048+/-0.191 χ^2/NDF: 2899.7/28

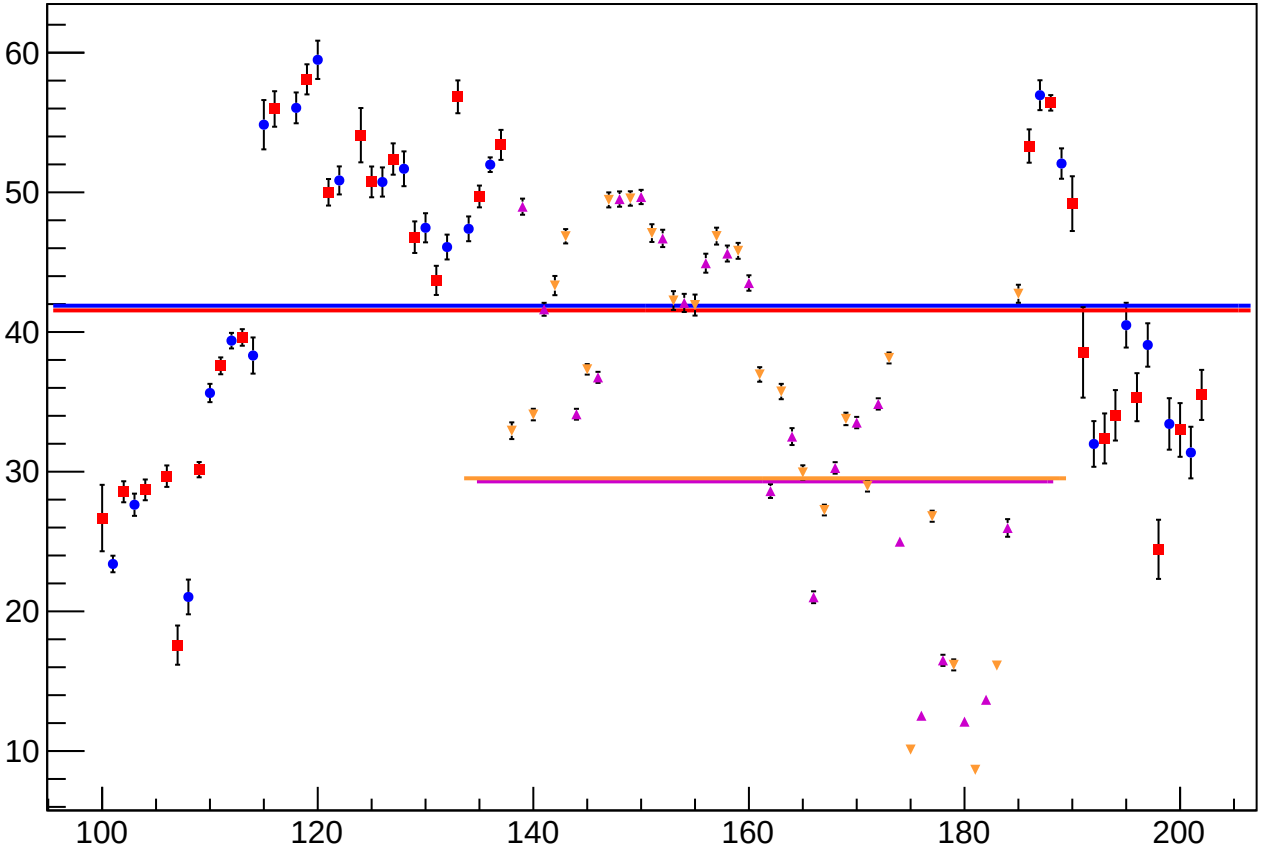
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.696+/-0.066 χ^2/NDF: 11666.4/47

All: 0.721+/-0.047 χ^2/NDF: 20627.0/99

- sign 0.747+/-0.068 χ^2/NDF: 8960.3/51

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.885+/-0.196 χ^2/NDF: 3131.0/22

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.548+/-0.181 χ^2/NDF: 3711.3/28

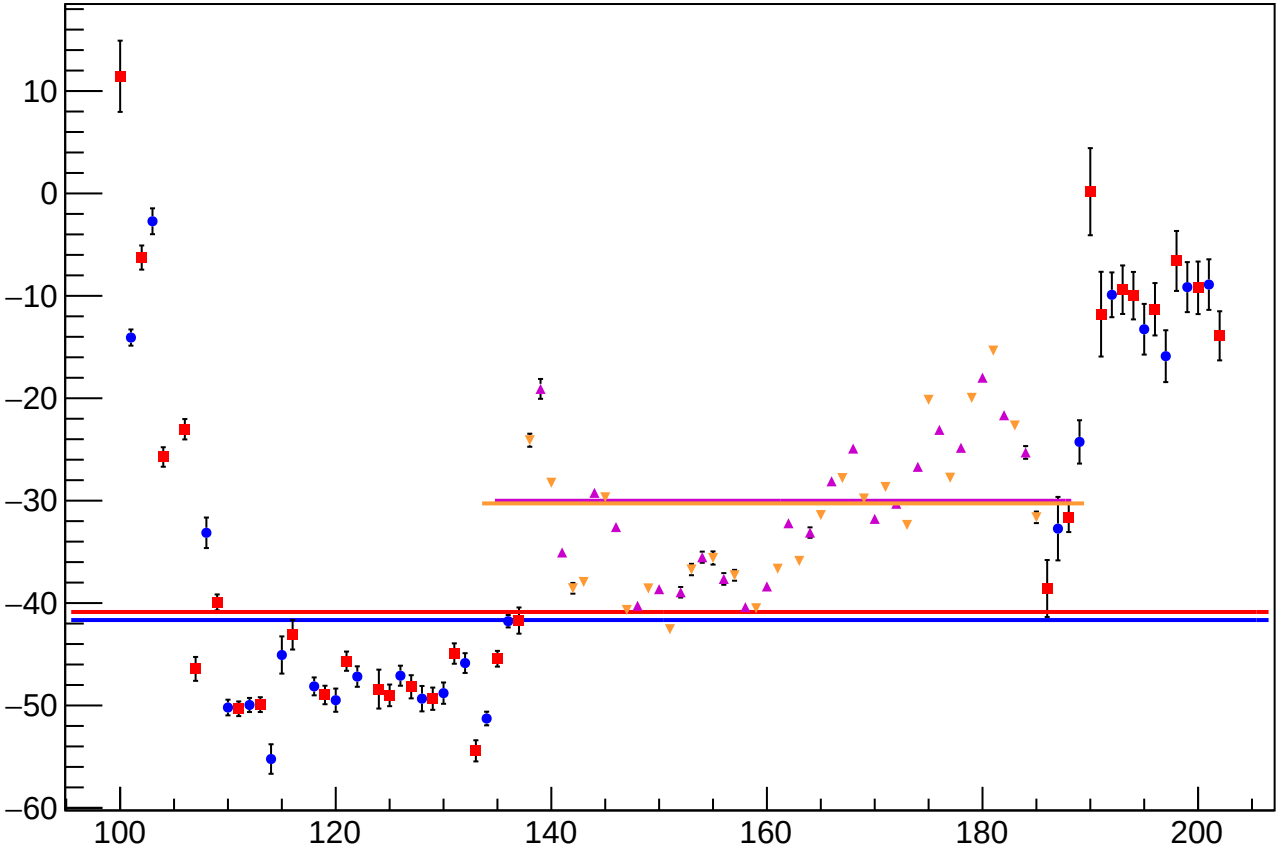
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.700+/-0.082 χ^2/NDF: 27489.6/47

All: 31.777+/-0.058 χ^2/NDF: 52674.7/99

- sign 31.856+/-0.083 χ^2/NDF: 25183.3/51

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -41.659+/-0.222 χ^2/NDF: 3910.5/22

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -40.870+/-0.220 χ^2/NDF: 3617.7/28

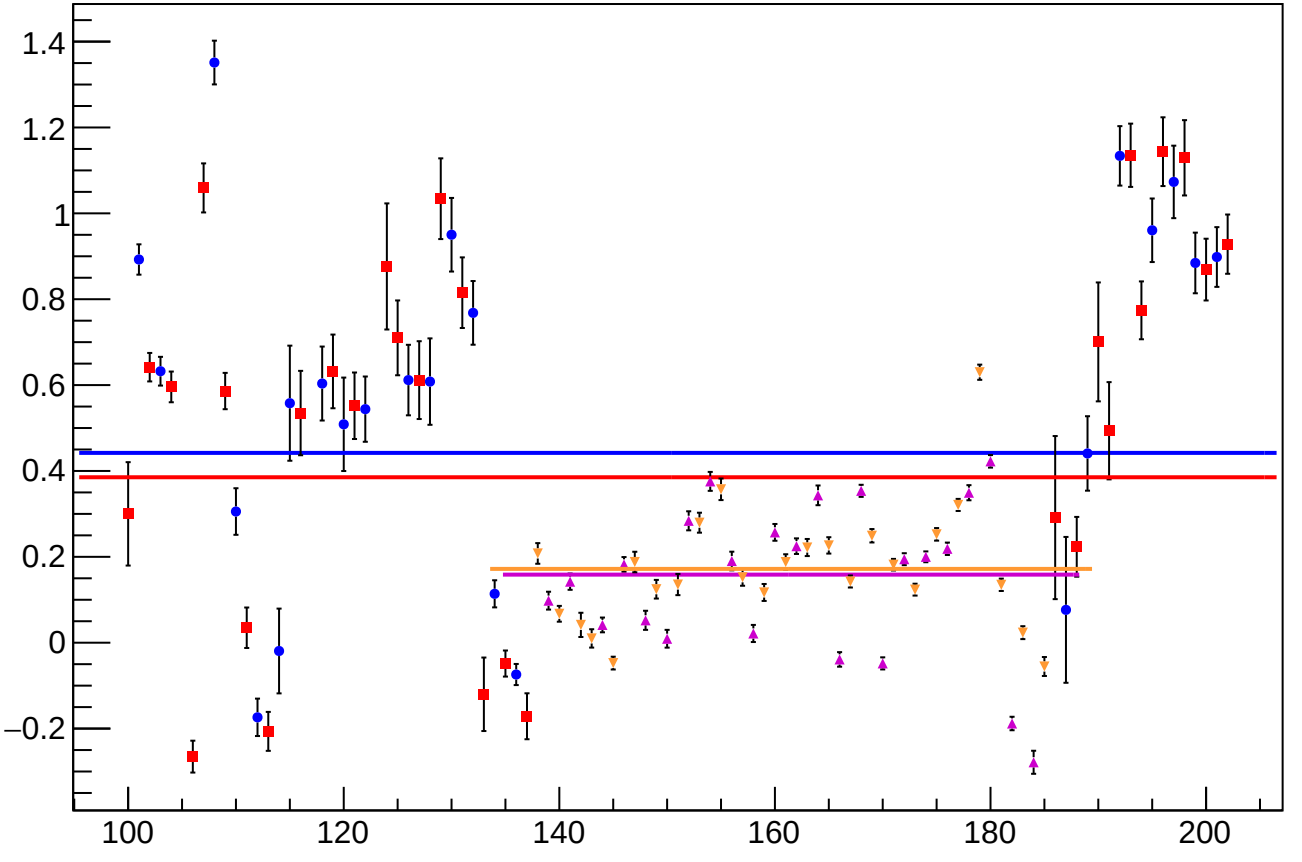
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.551+/-0.075 χ^2/NDF: 14736.6/47

All: -31.438+/-0.053 χ^2/NDF: 26593.1/99

- sign -31.322+/-0.076 χ^2/NDF: 11851.9/51

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.442+/-0.011 χ^2/NDF: 1649.4/22

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.385+/-0.011 χ^2/NDF: 1675.8/28

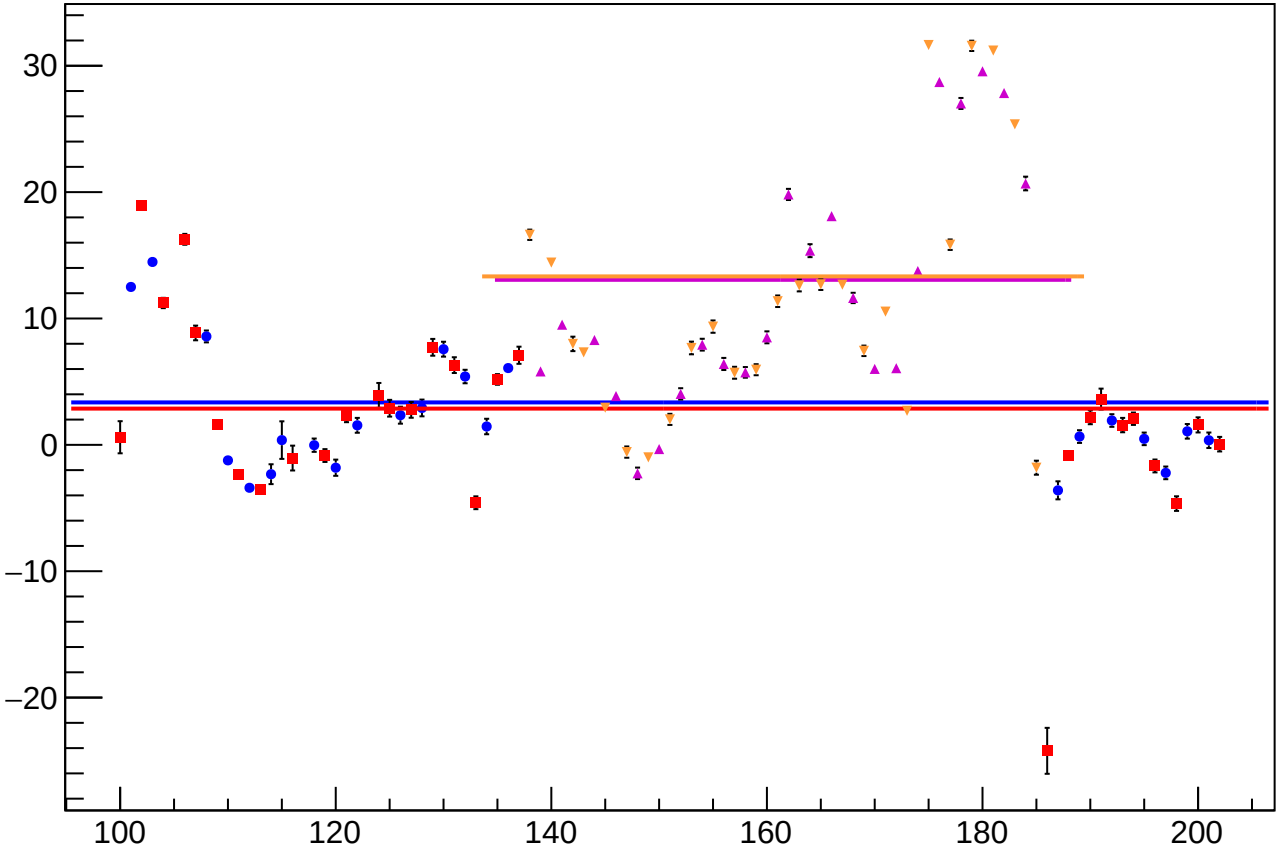
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.196+/-0.003 χ^2/NDF: 3670.5/47

All: 0.189+/-0.002 χ^2/NDF: 7927.7/99

- sign 0.181+/-0.003 χ^2/NDF: 4247.1/51

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.359+/-0.102 χ^2/NDF: 3035.3/22

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.869+/-0.090 χ^2/NDF: 5106.1/28

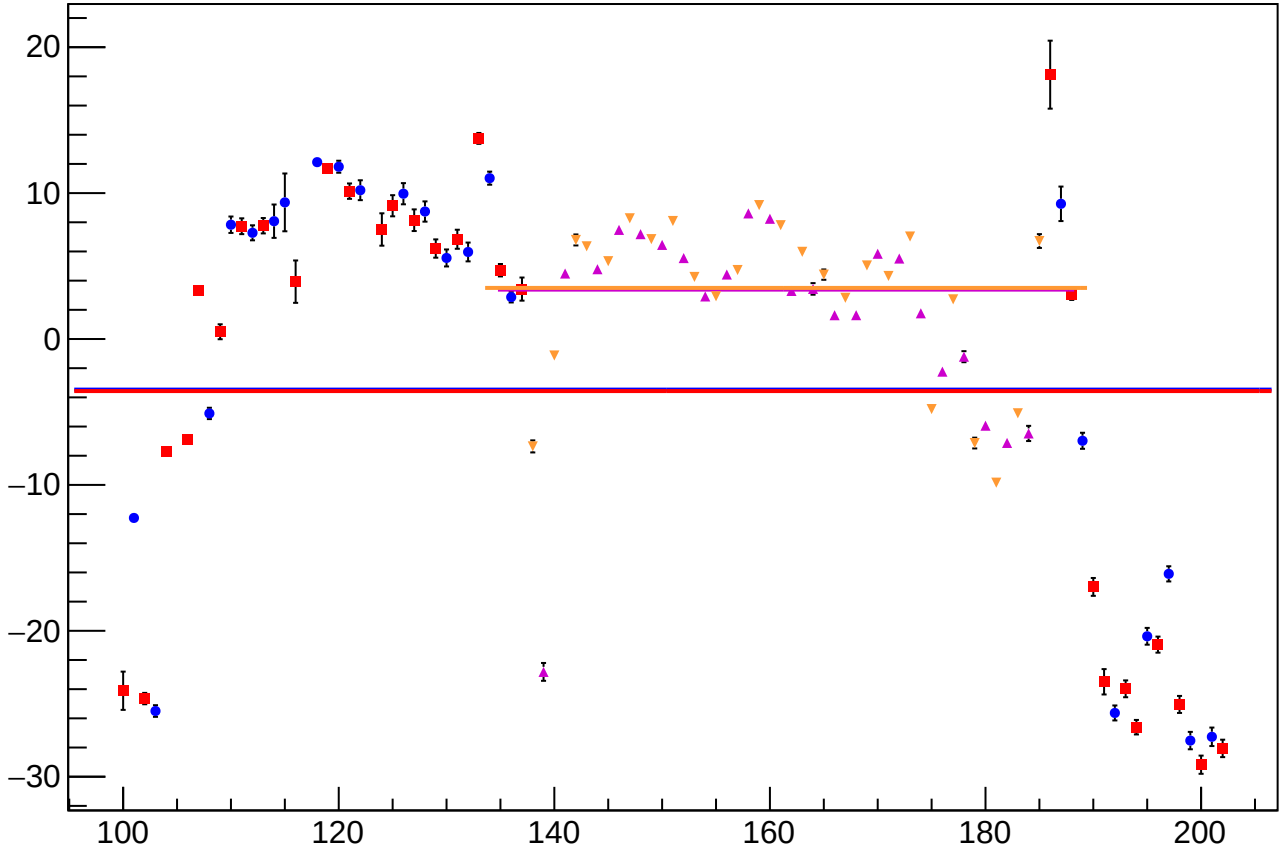
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 9.711+/-0.061 χ^2/NDF: 28592.3/47

All: 9.136+/-0.043 χ^2/NDF: 56666.4/99

- sign 8.594+/-0.059 χ^2/NDF: 27902.8/51

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -3.468+/-0.103 χ^2/NDF: 18267.8/22

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -3.569+/-0.095 χ^2/NDF: 21956.7/28

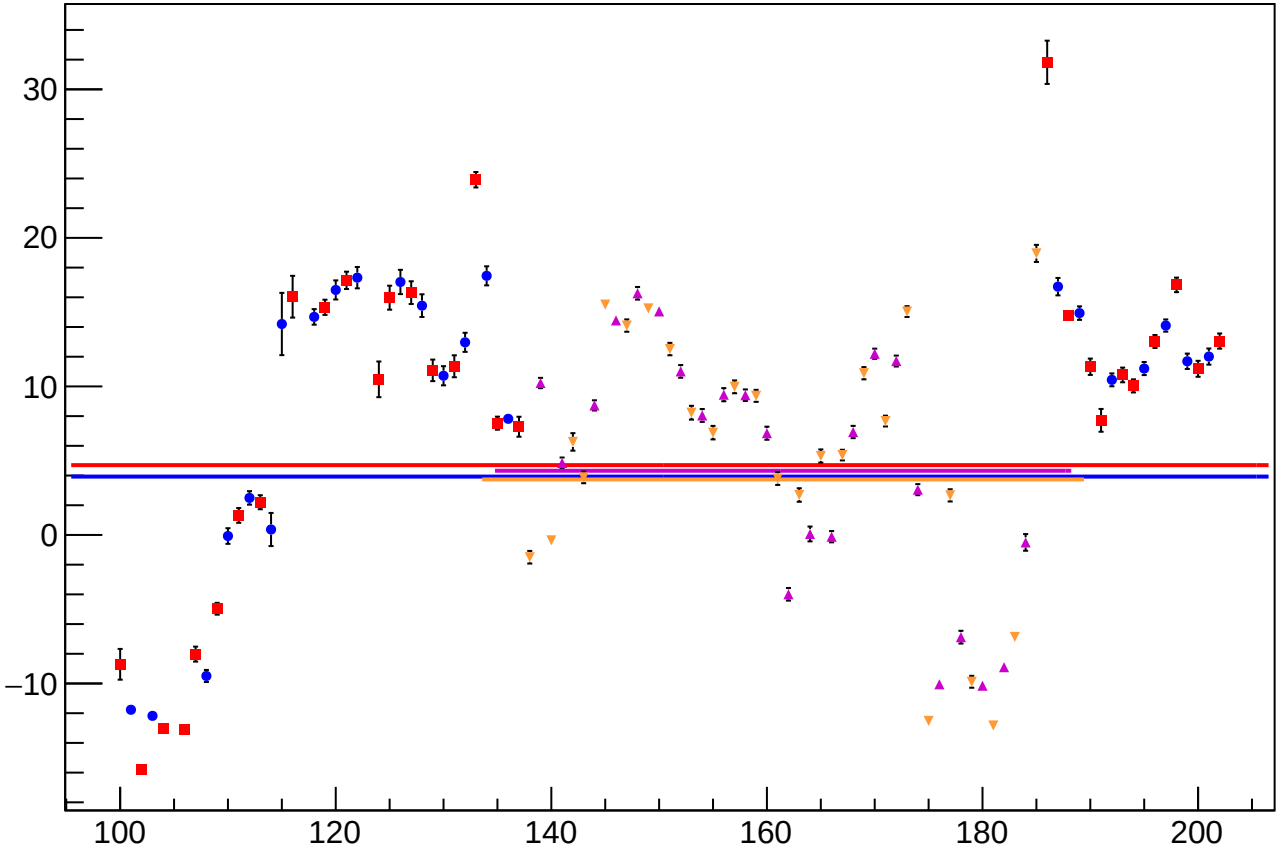
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

\+ sign 1.800+/-0.051 χ^2/NDF: 29639.9/47

All: 1.579+/-0.036 χ^2/NDF: 62138.0/99

\- sign 1.354+/-0.051 χ^2/NDF: 32460.0/51

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 3.930+/-0.099 χ^2/NDF: 12992.0/22

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 4.700+/-0.088 χ^2/NDF: 19547.0/28

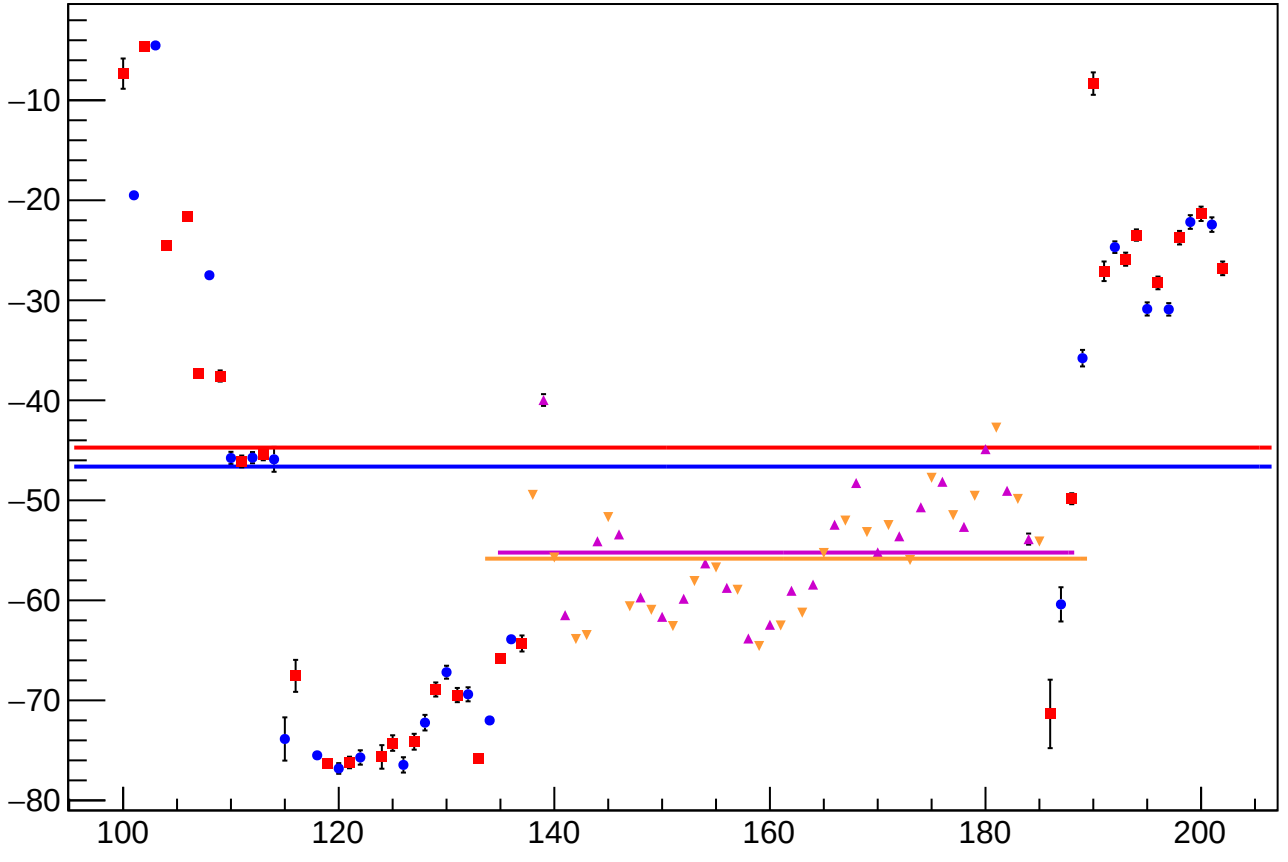
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.809+/-0.061 χ^2/NDF: 28581.1/47

All: 4.161+/-0.042 χ^2/NDF: 60687.1/99

- sign 4.491+/-0.059 χ^2/NDF: 32040.6/51

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -46.627+/-0.121 χ^2/NDF: 40170.9/22

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -44.726+/-0.113 χ^2/NDF: 42637.6/28

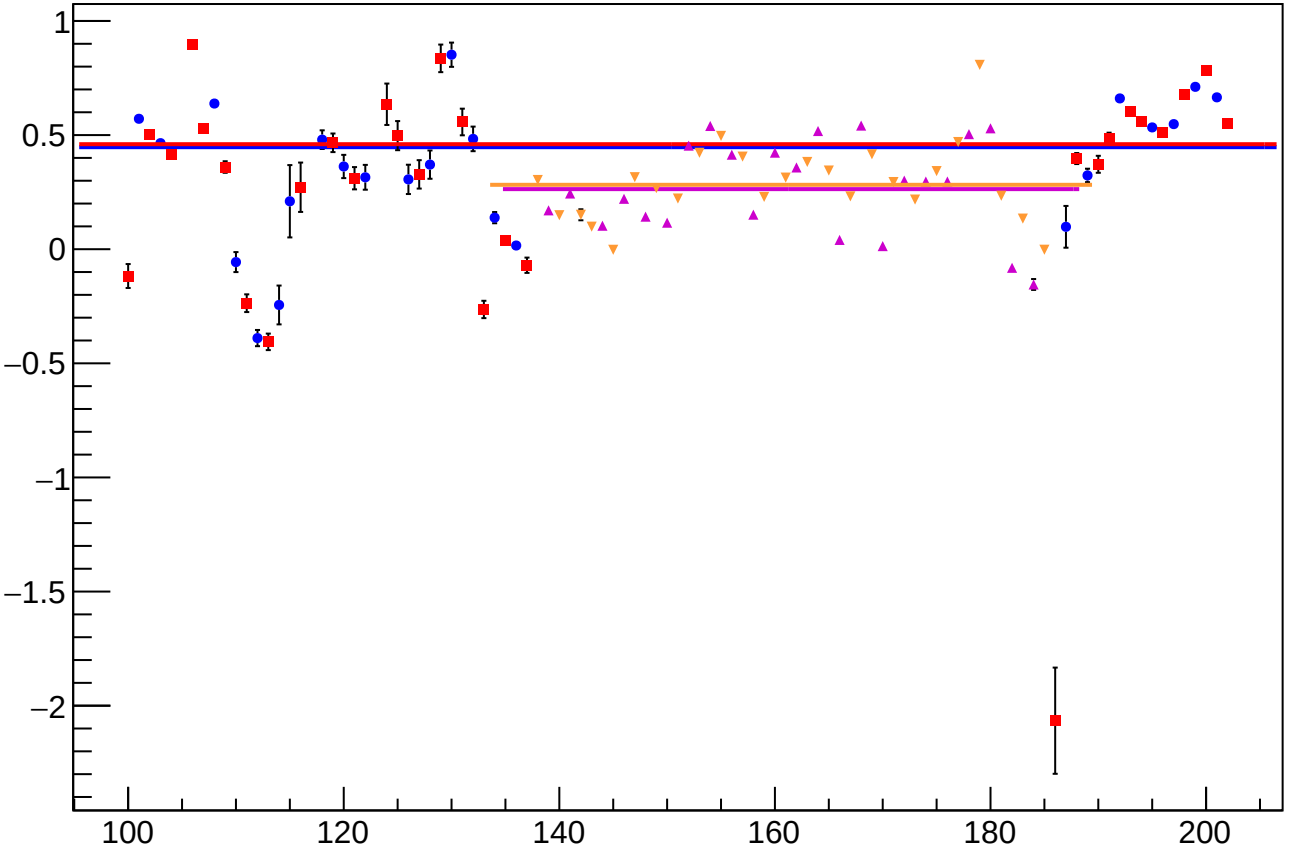
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -53.714+/-0.058 χ^2/NDF: 52193.7/47

All: -53.062+/-0.041 χ^2/NDF: 107707.2/99

- sign -52.398+/-0.059 χ^2/NDF: 55260.3/51

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.447+/-0.005 χ^2/NDF: 2547.1/22

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.460+/-0.005 χ^2/NDF: 3587.2/28

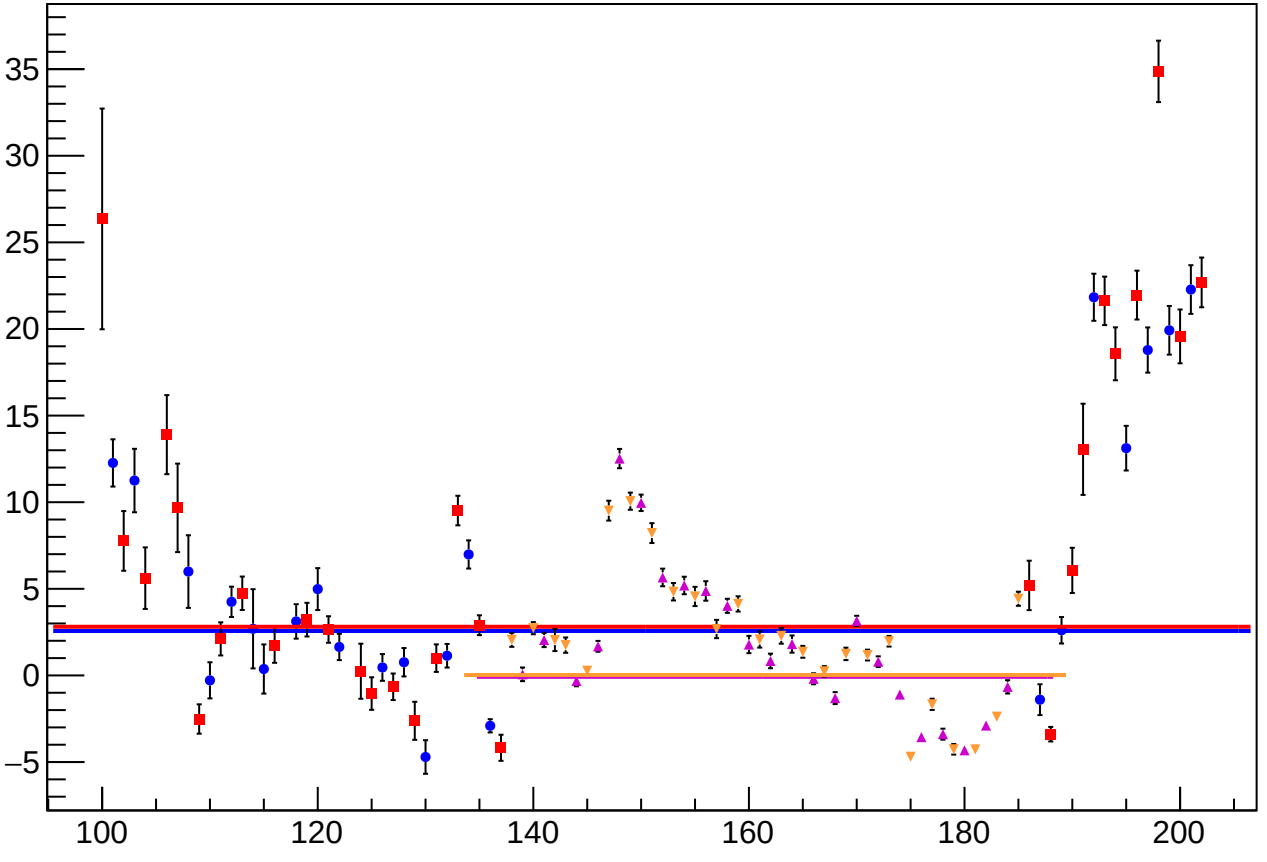
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.325+/-0.003 χ^2/NDF: 6046.5/47

All: 0.323+/-0.002 χ^2/NDF: 14735.3/99

- sign 0.322+/-0.003 χ^2/NDF: 8688.4/51

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.564+/-0.189 χ^2/NDF: 1195.1/22

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

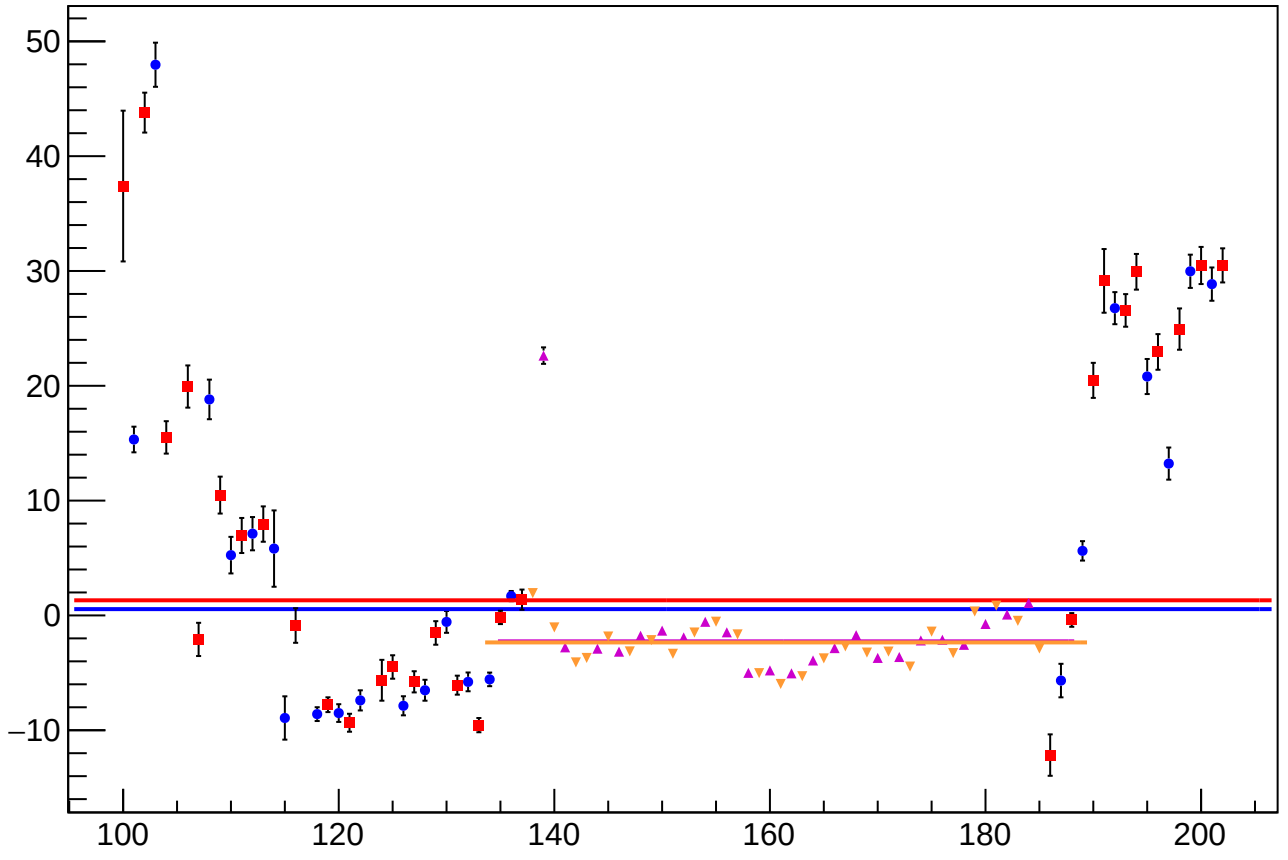
Right Out: 2.810+/-0.184 χ^2/NDF: 1667.5/28

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.316+/-0.064 χ^2/NDF: 4113.8/47

All: 0.305+/-0.046 χ^2/NDF: 8461.8/99

- sign 0.294+/-0.066 χ^2/NDF: 4347.9/51



Right In: 0.549+/-0.197 χ^2/NDF: 3199.6/22

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

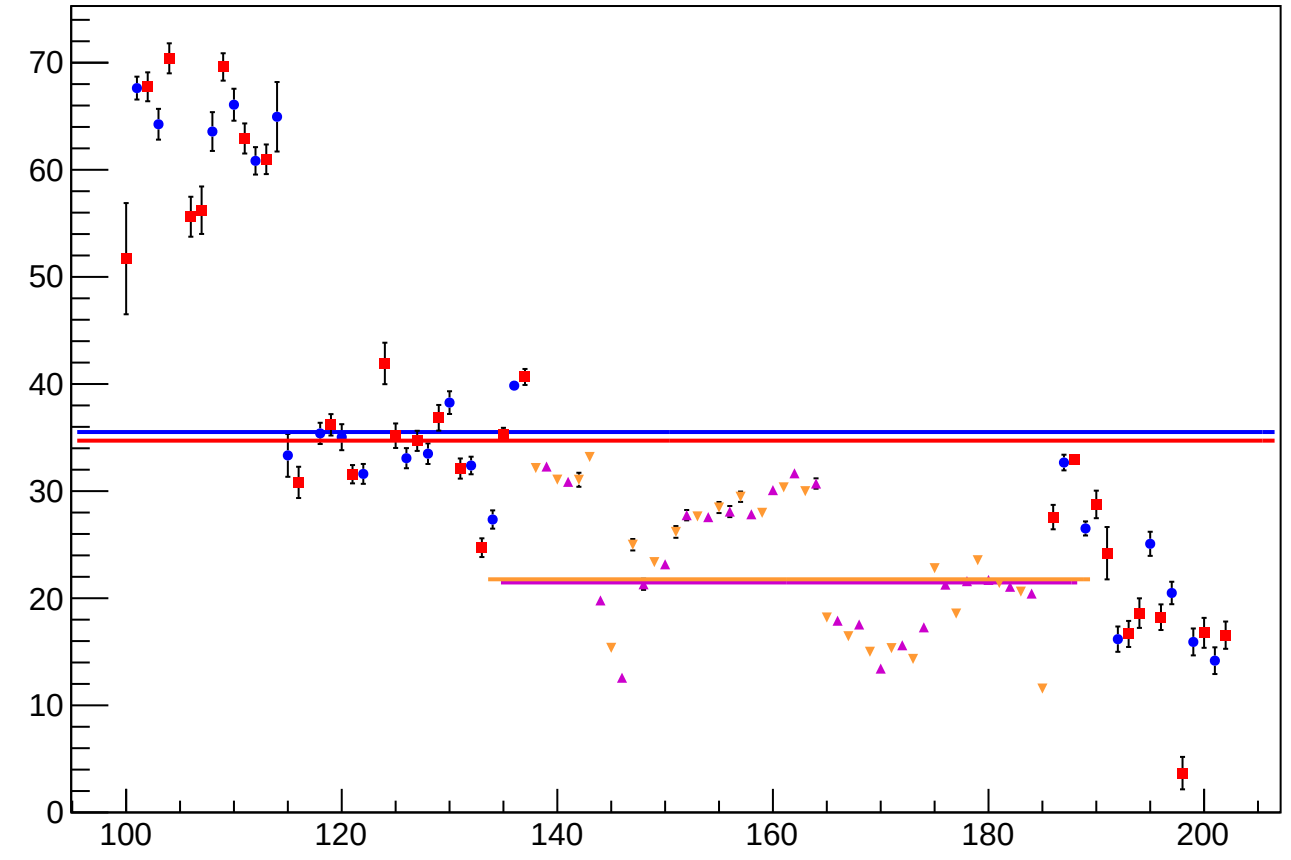
Right Out: 1.316+/-0.199 χ^2/NDF: 3851.6/28

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.141+/-0.053 χ^2/NDF: 4526.9/47

All: -2.068+/-0.038 χ^2/NDF: 10557.9/99

- sign -1.991+/-0.054 χ^2/NDF: 6027.0/51



Right In: 35.517+/-0.194 χ^2/NDF: 4004.3/22

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 34.713+/-0.184 χ^2/NDF: 4669.9/28

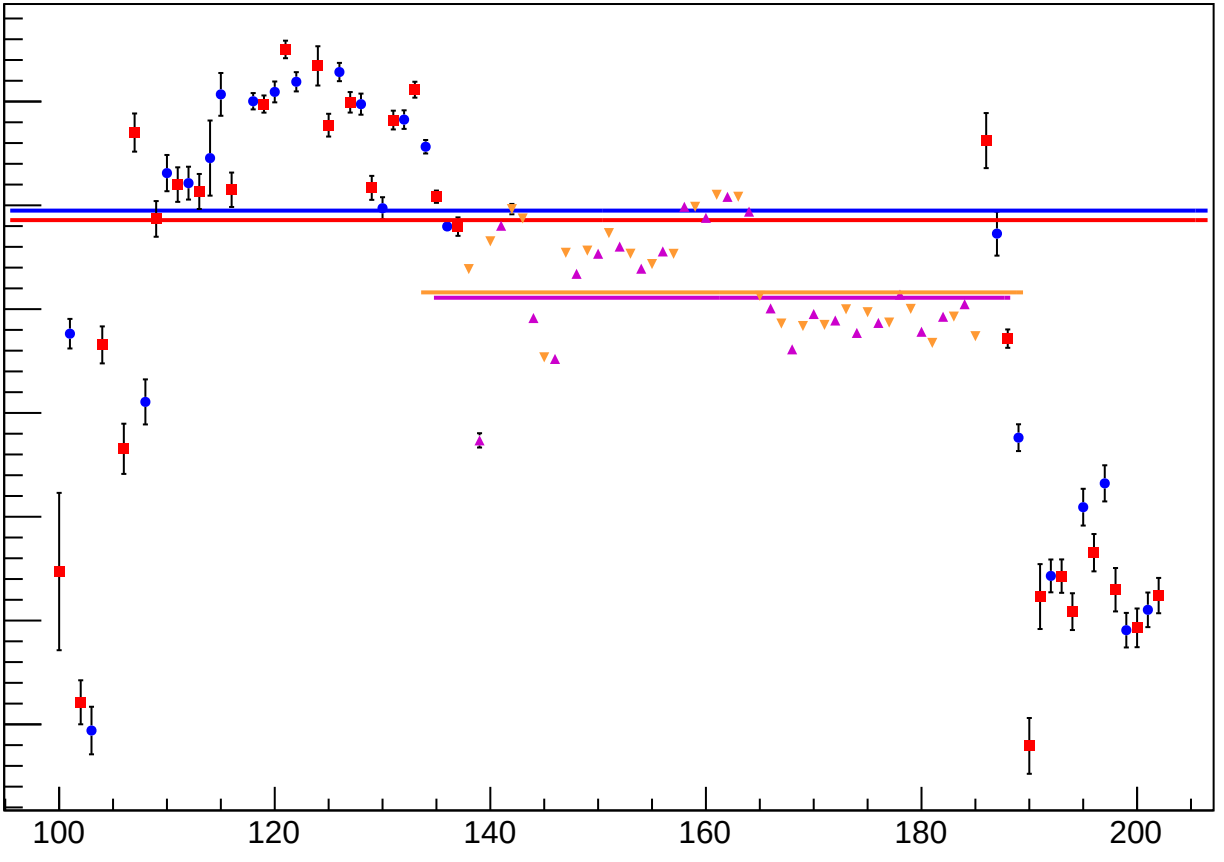
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.305+/-0.065 χ^2/NDF: 15274.7/47

All: 23.243+/-0.046 χ^2/NDF: 30266.7/99

- sign 23.179+/-0.066 χ^2/NDF: 14990.2/51

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 49.492+/-0.223 χ^2/NDF: 4069.2/22

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 48.576+/-0.231 χ^2/NDF: 4963.7/28

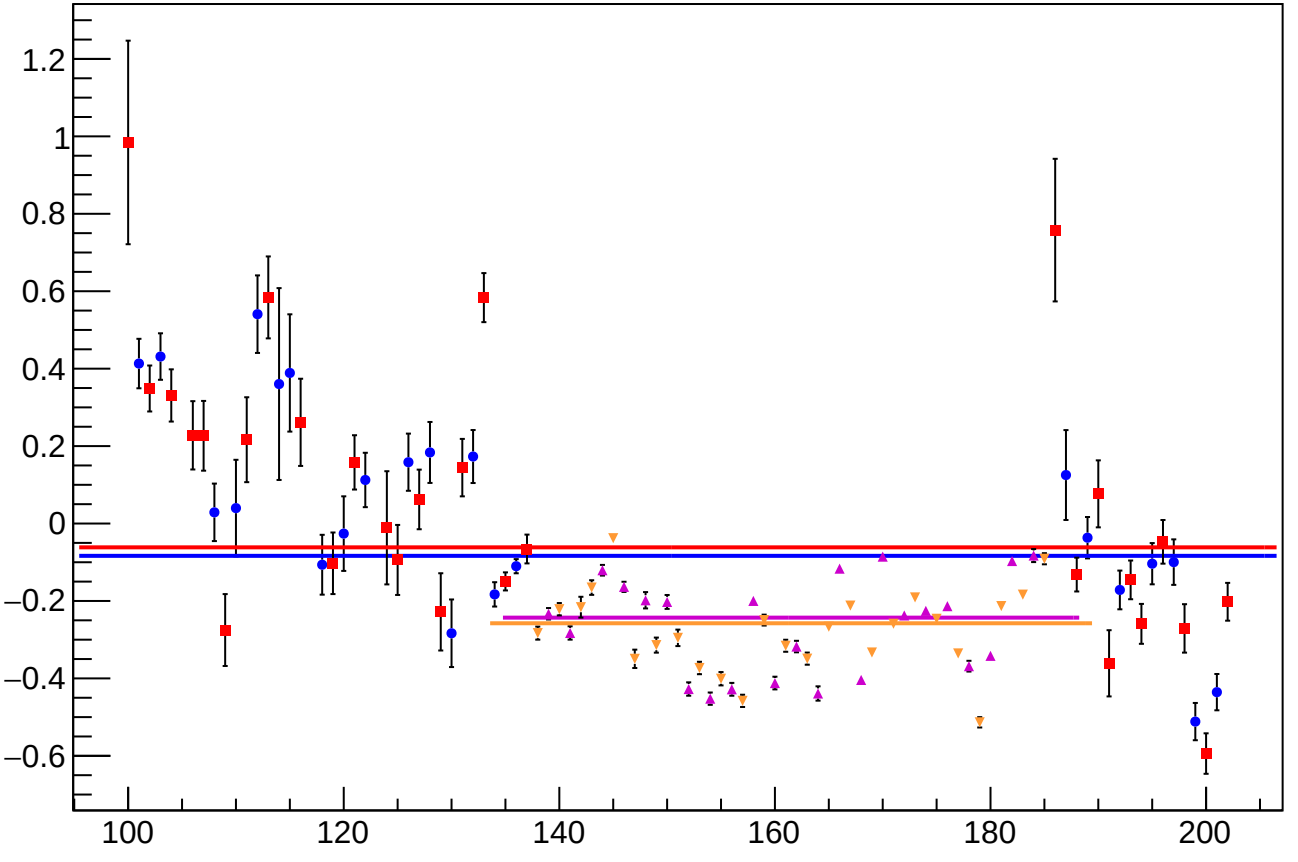
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.166+/-0.059 χ^2/NDF: 11005.4/47

All: 41.895+/-0.042 χ^2/NDF: 22468.1/99

- sign 41.611+/-0.060 χ^2/NDF: 11419.7/51

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.083+/-0.011 χ^2/NDF: 393.7/22

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

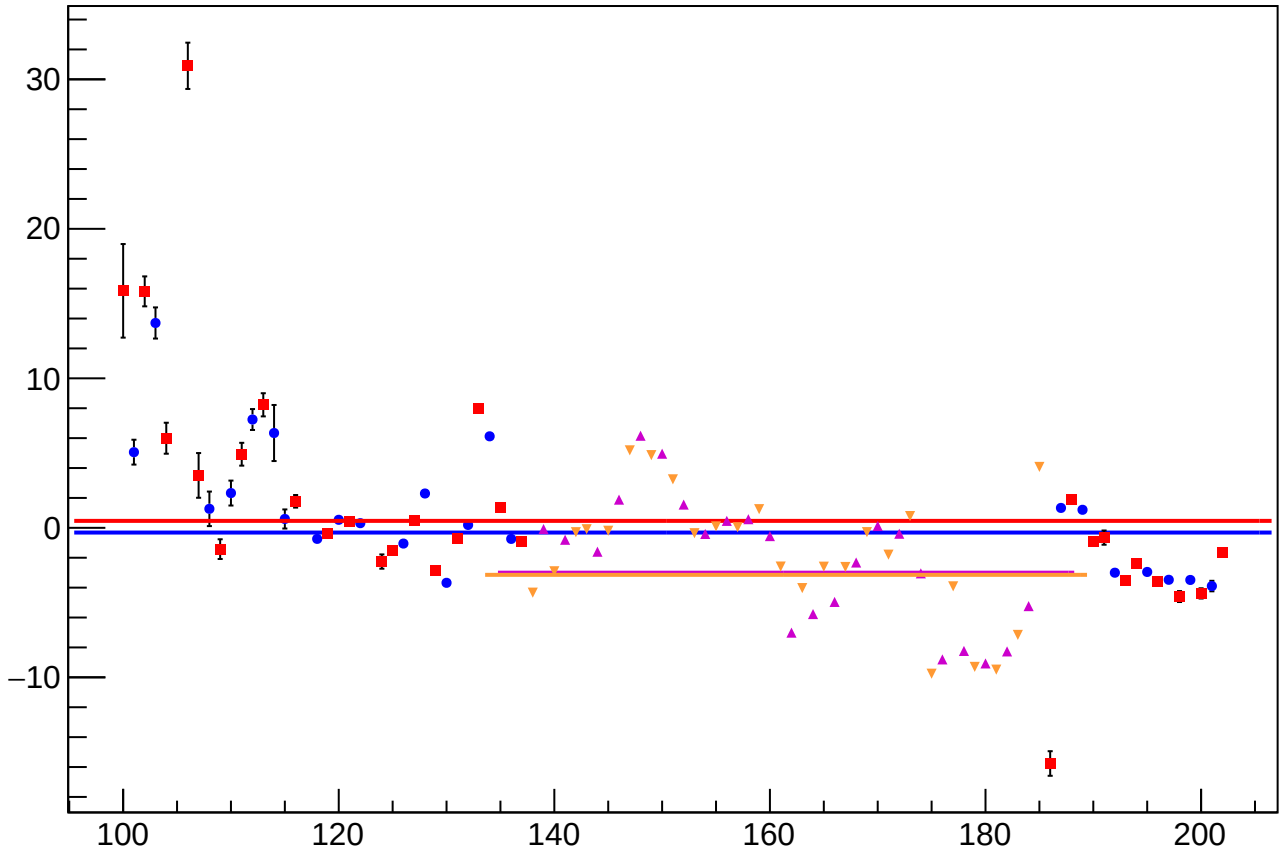
Right Out: -0.062+/-0.011 χ^2/NDF: 495.0/28

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.247+/-0.003 χ^2/NDF: 2150.1/47

All: -0.240+/-0.002 χ^2/NDF: 4717.0/99

- sign -0.233+/-0.003 χ^2/NDF: 2551.7/51



Right In: -0.316+/-0.063 χ^2/NDF: 1742.4/22

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.465+/-0.057 χ^2/NDF: 4067.2/28

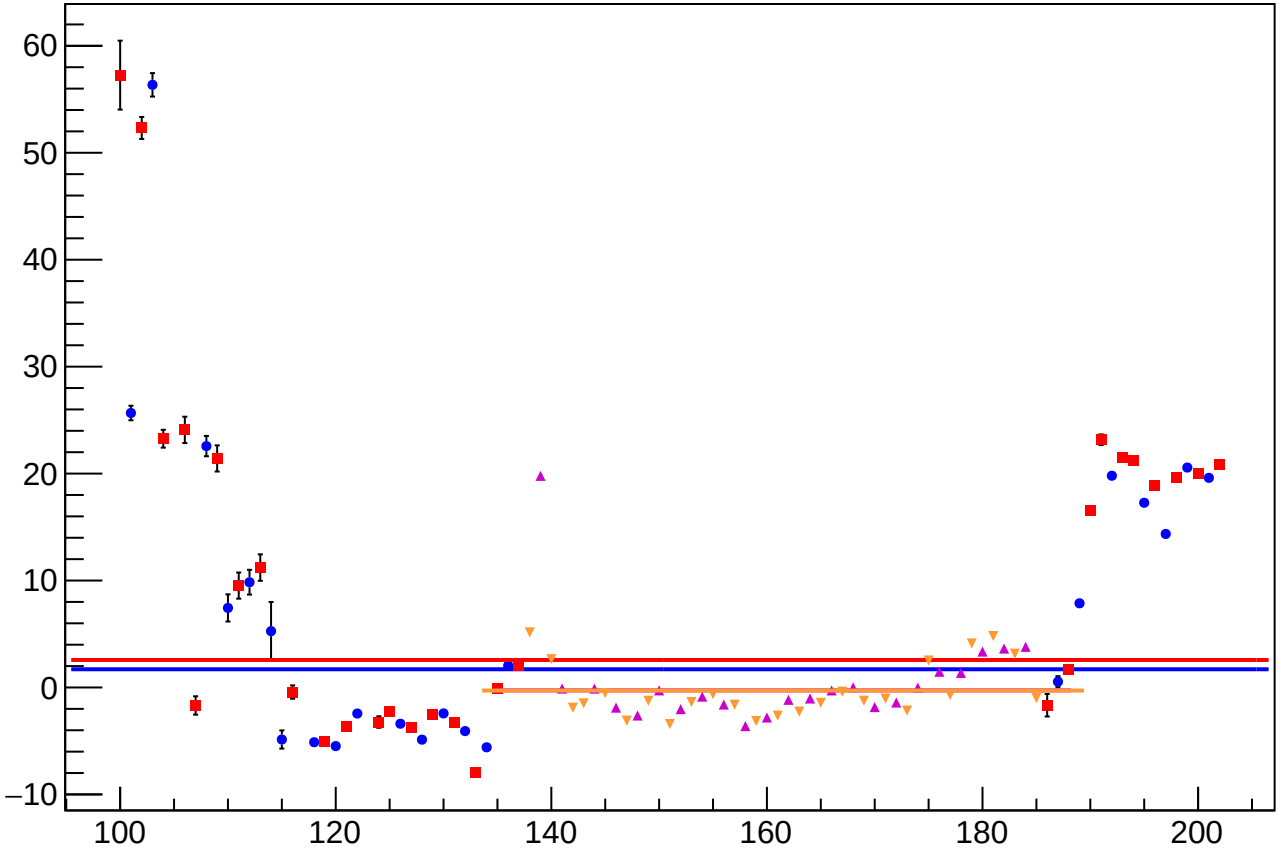
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.688+/-0.025 χ^2/NDF: 28779.7/47

All: -2.495+/-0.018 χ^2/NDF: 58372.1/99

- sign -2.301+/-0.025 χ^2/NDF: 29476.7/51

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 1.703+/-0.061 χ^2/NDF: 24947.1/22

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 2.573+/-0.057 χ^2/NDF: 36562.2/28

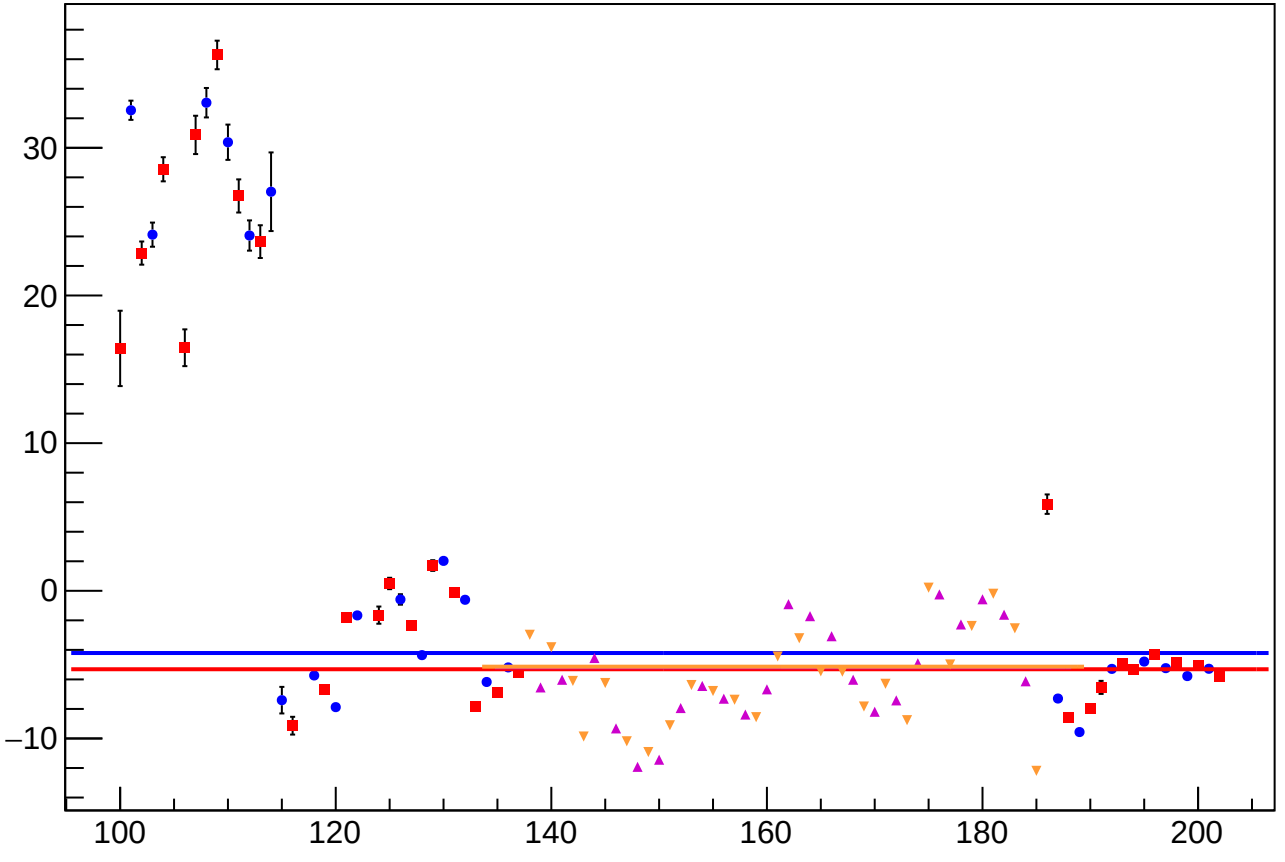
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

\+ sign -0.064+/-0.021 χ^2/NDF: 38080.9/47

All: 0.018+/-0.015 χ^2/NDF: 90028.5/99

\- sign 0.102+/-0.021 χ^2/NDF: 51915.3/51

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.212+/-0.063 χ^2/NDF: 9388.4/22

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.312+/-0.054 χ^2/NDF: 10483.4/28

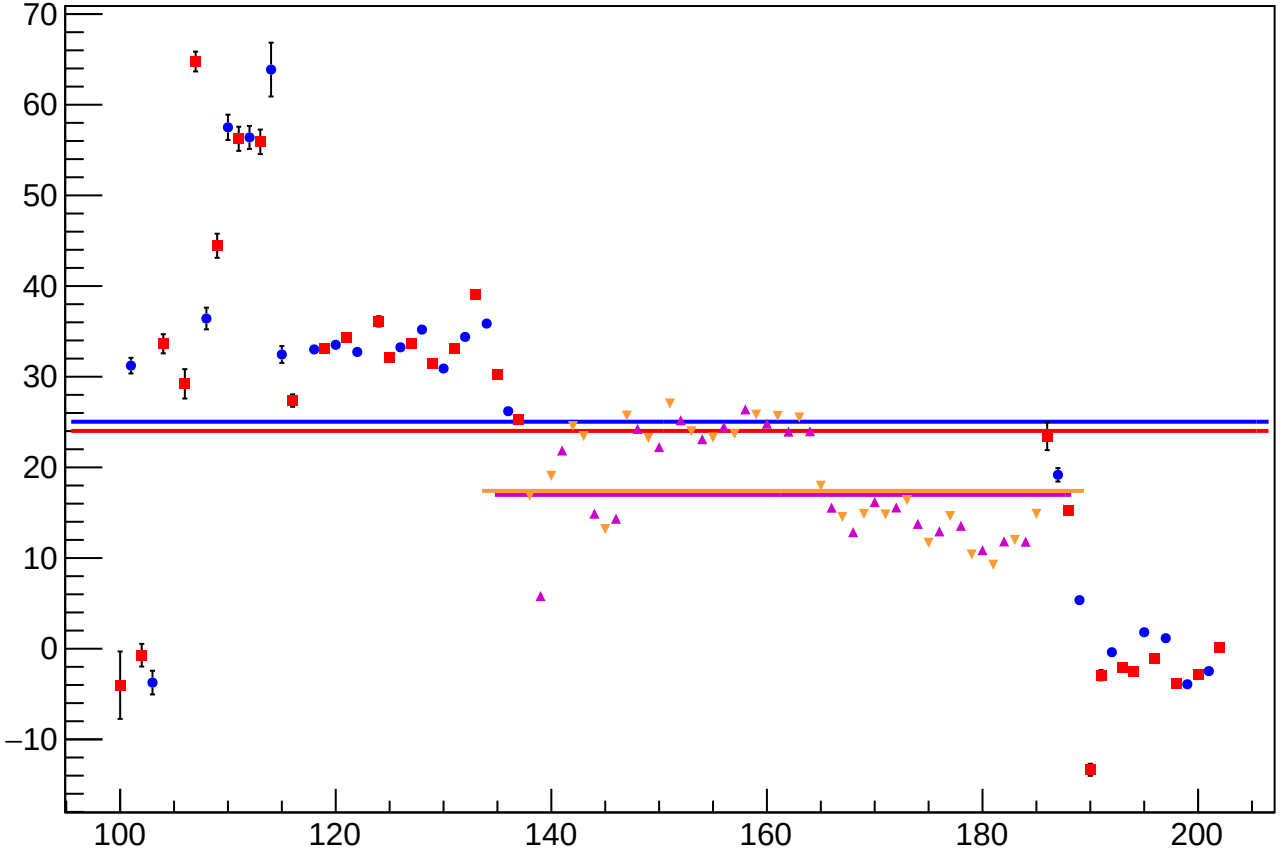
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.986+/-0.025 χ^2/NDF: 24196.5/47

All: -5.097+/-0.018 χ^2/NDF: 48686.5/99

- sign -5.206+/-0.025 χ^2/NDF: 24452.0/51

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 25.036+/-0.072 χ^2/NDF: 37023.0/22

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 24.022+/-0.068 χ^2/NDF: 55647.9/28

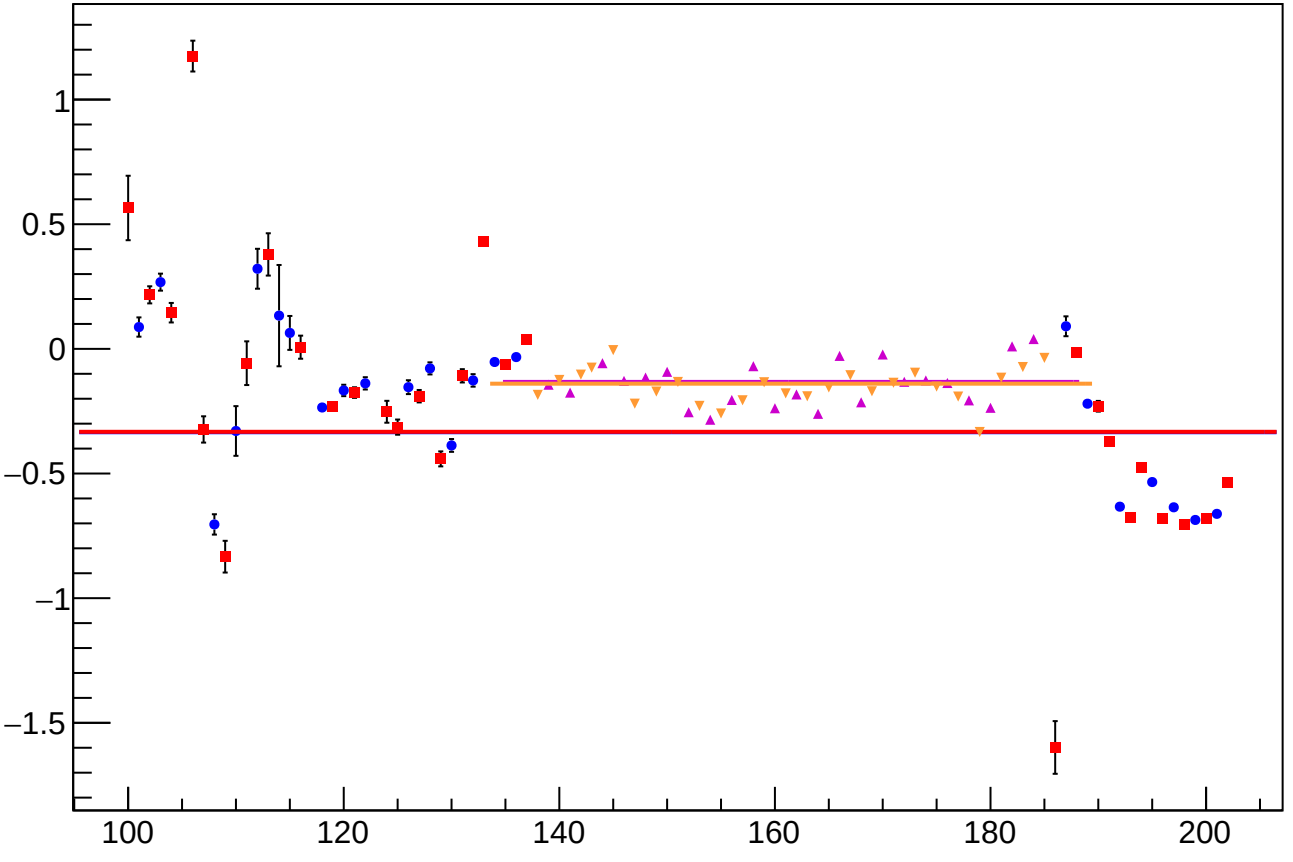
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

\+ sign 18.207+/-0.023 χ^2/NDF: 97839.9/47

All: 18.011+/-0.016 χ^2/NDF: 203067.0/99

\- sign 17.809+/-0.023 χ^2/NDF: 105080.9/51

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.334+/-0.003 χ^2/NDF: 7109.6/22

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.333+/-0.003 χ^2/NDF: 11107.2/28

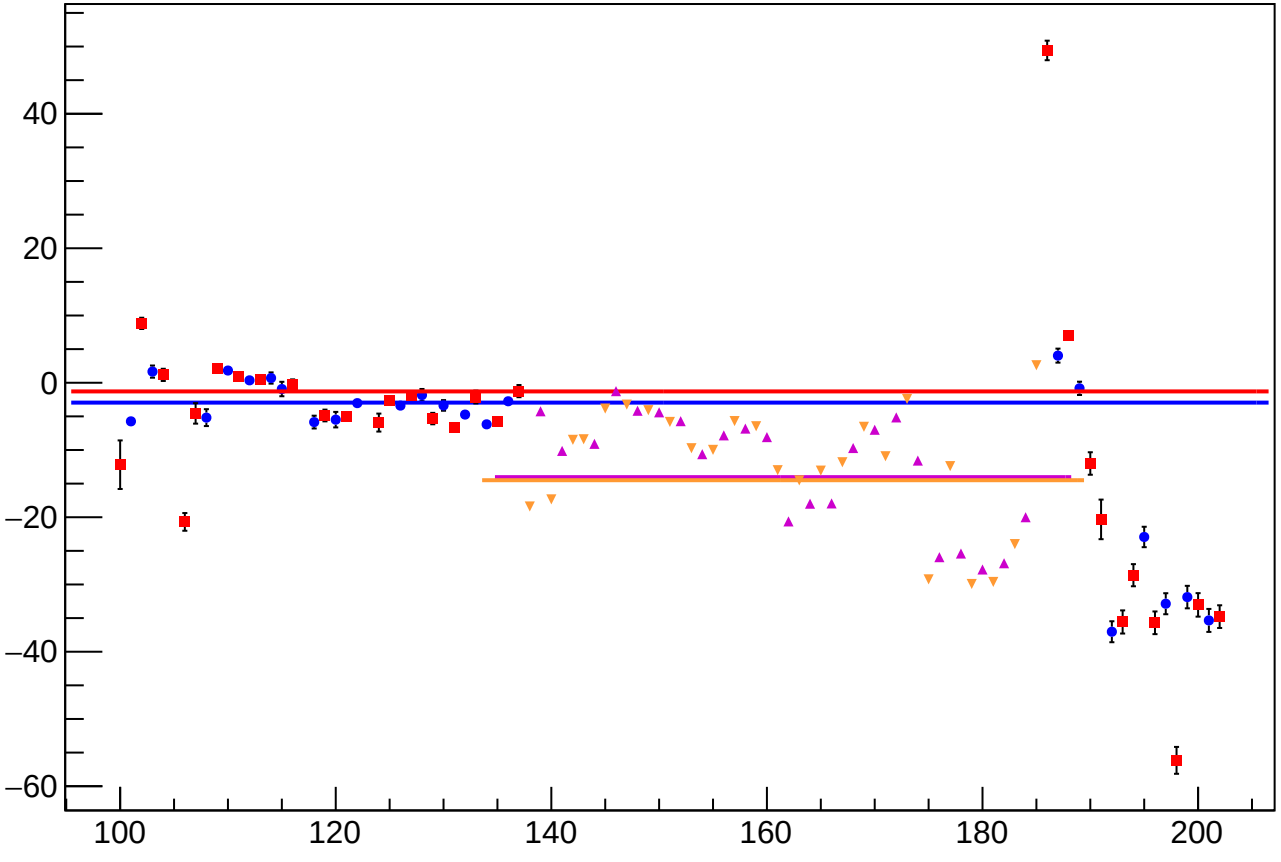
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.158+/-0.001 χ^2/NDF: 14228.1/47

All: -0.156+/-0.001 χ^2/NDF: 34509.0/99

- sign -0.155+/-0.001 χ^2/NDF: 20276.4/51

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -2.953+/-0.150 χ^2/NDF: 2078.5/22

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.288+/-0.139 χ^2/NDF: 4857.9/28

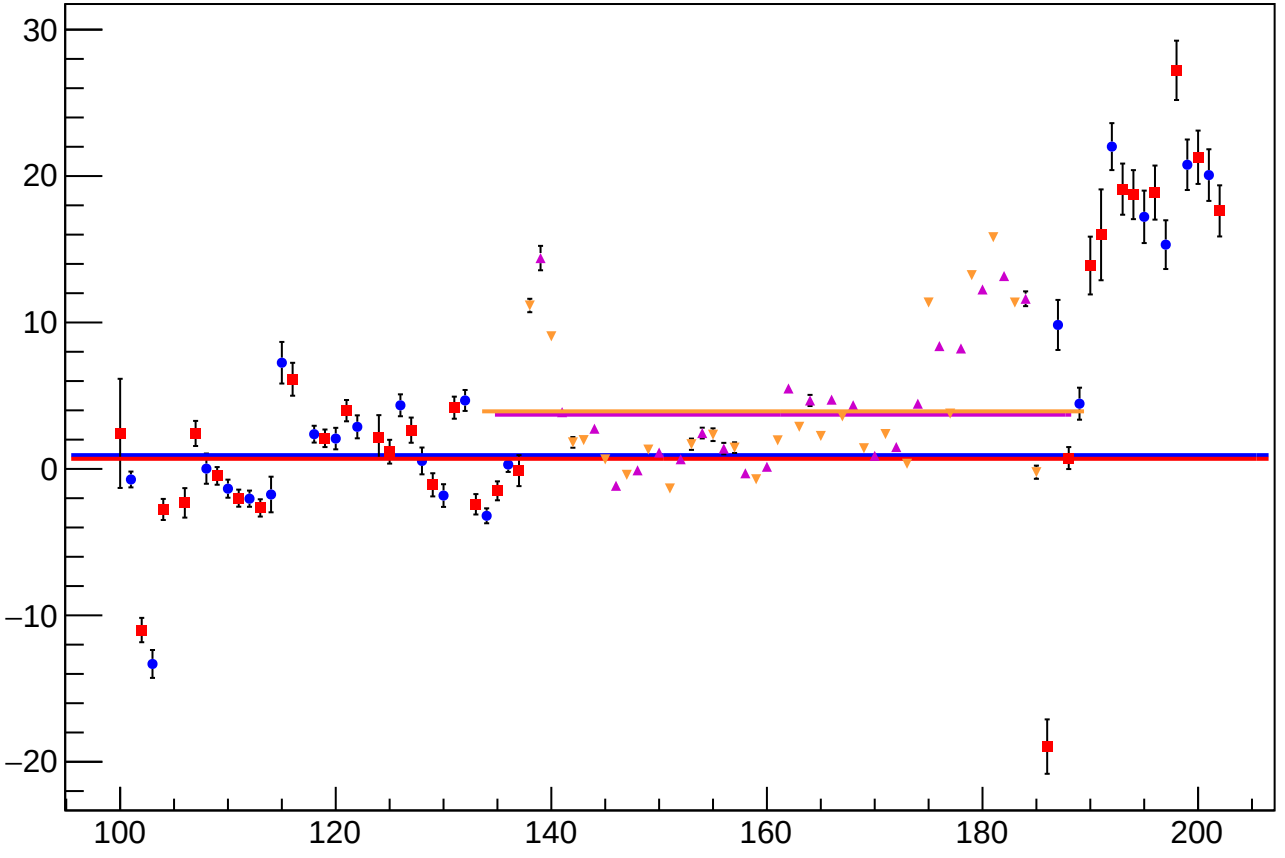
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.199+/-0.067 χ^2/NDF: 24048.9/47

All: -11.626+/-0.047 χ^2/NDF: 48999.2/99

- sign -11.047+/-0.067 χ^2/NDF: 24802.7/51

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.941+/-0.166 χ^2/NDF: 1061.7/22

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.691+/-0.166 χ^2/NDF: 1304.1/28

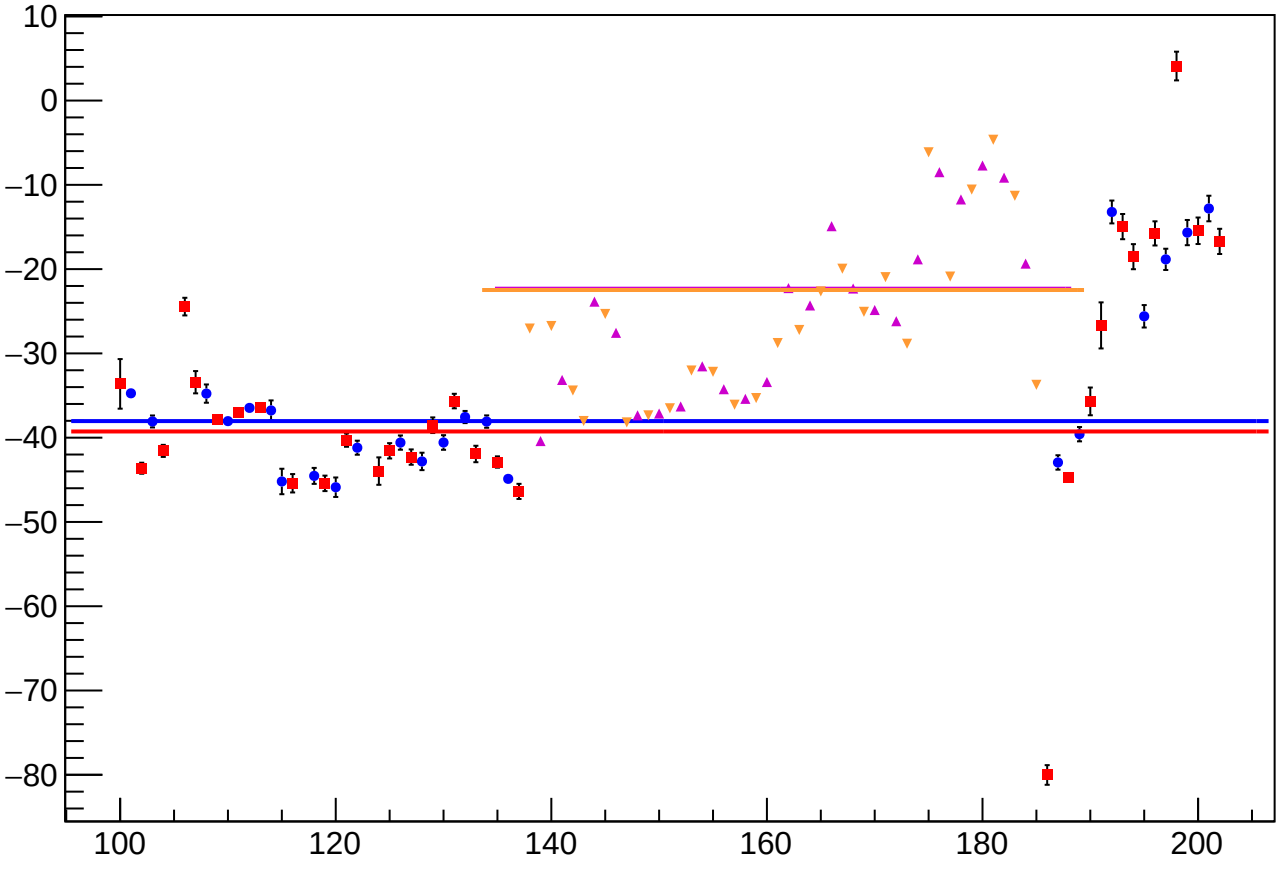
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.607+/-0.055 χ^2/NDF: 8330.4/47

All: 3.488+/-0.039 χ^2/NDF: 14723.6/99

- sign 3.364+/-0.056 χ^2/NDF: 6383.5/51

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -38.032+/-0.166 χ^2/NDF: 1664.3/22

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.264+/-0.159 χ^2/NDF: 3801.0/28

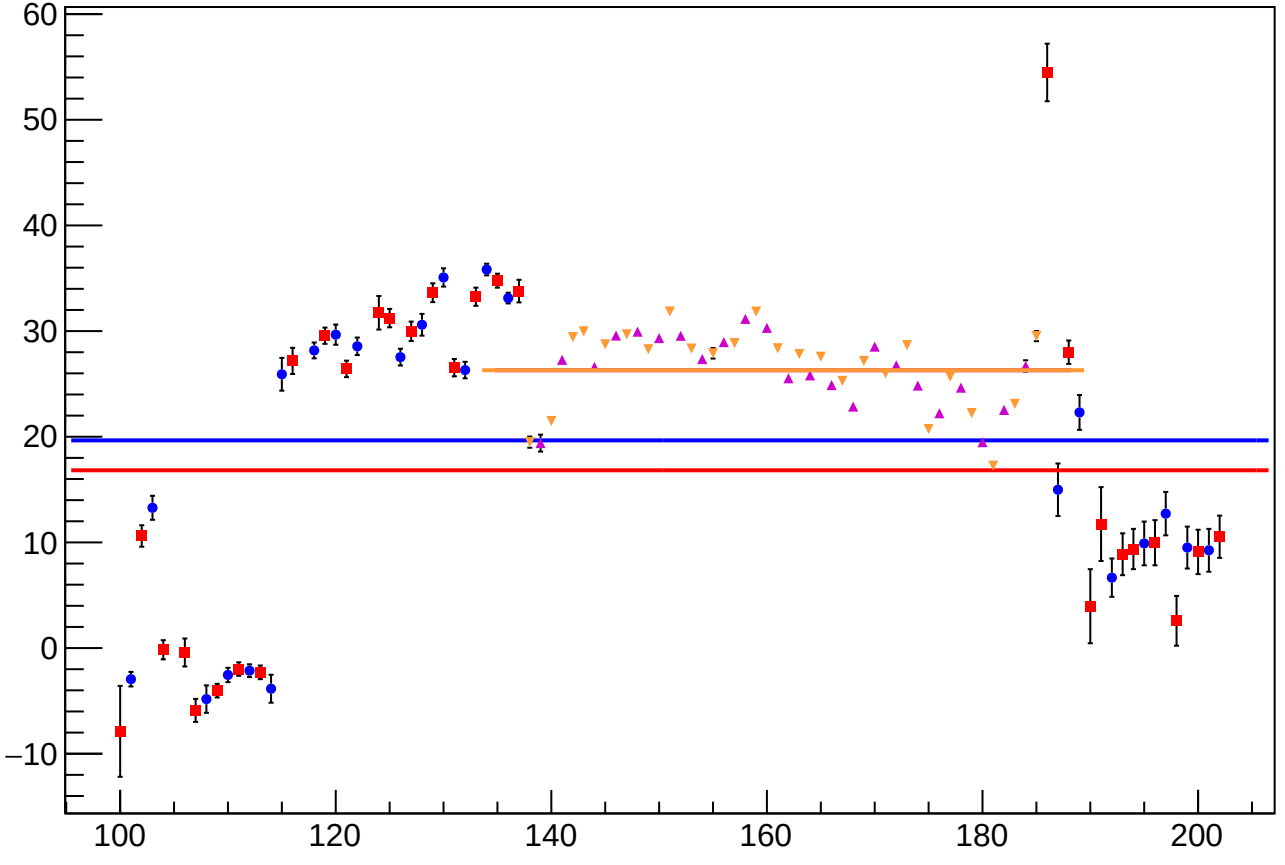
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.094+/-0.068 χ^2/NDF: 29357.3/47

All: -25.308+/-0.048 χ^2/NDF: 59571.7/99

- sign -25.527+/-0.069 χ^2/NDF: 30194.5/51

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.656+/-0.188 χ^2/NDF: 6834.3/22

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.825+/-0.190 χ^2/NDF: 7149.2/28

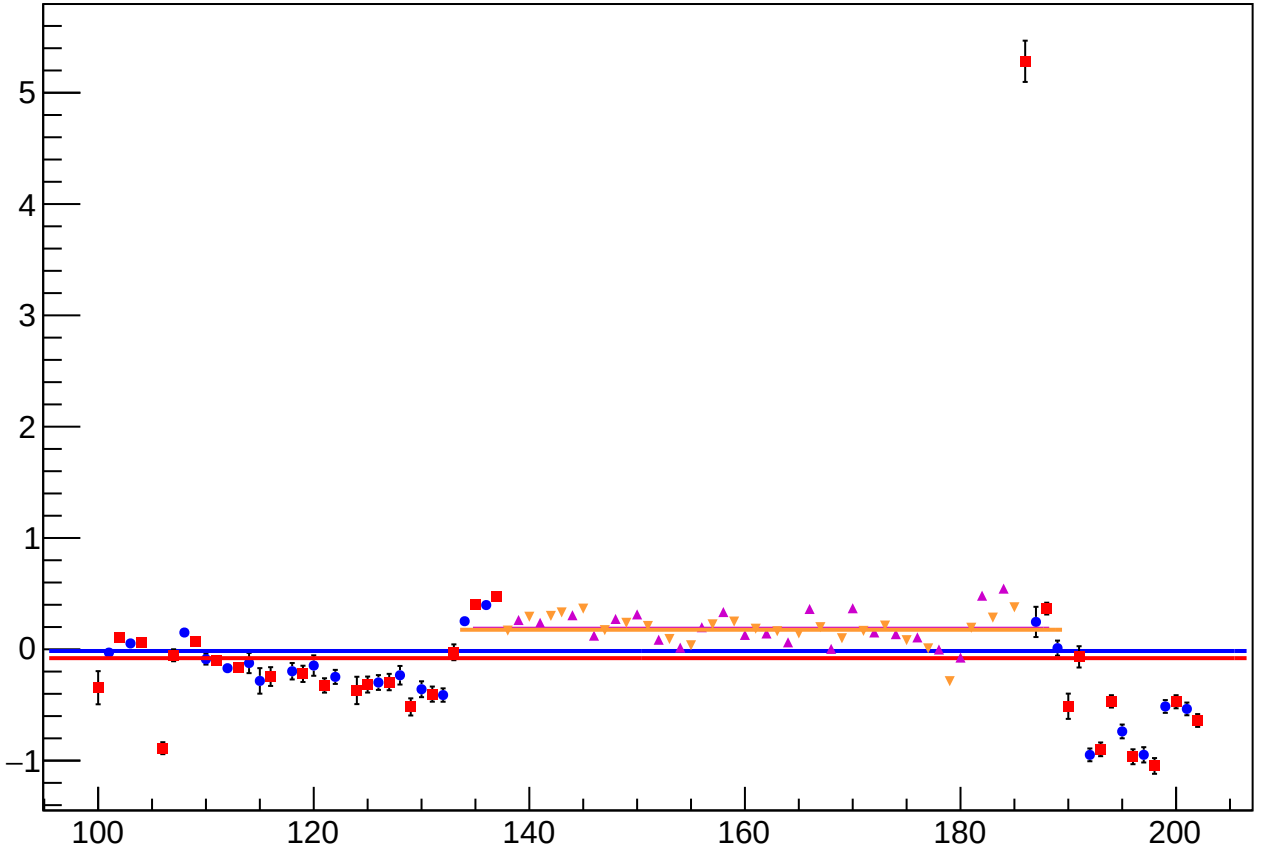
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.588+/-0.062 χ^2/NDF: 11251.8/47

All: 25.427+/-0.044 χ^2/NDF: 22803.8/99

- sign 25.259+/-0.063 χ^2/NDF: 11538.0/51

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.015+/-0.010 χ^2/NDF: 1410.9/22

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.080+/-0.010 χ^2/NDF: 2550.5/28

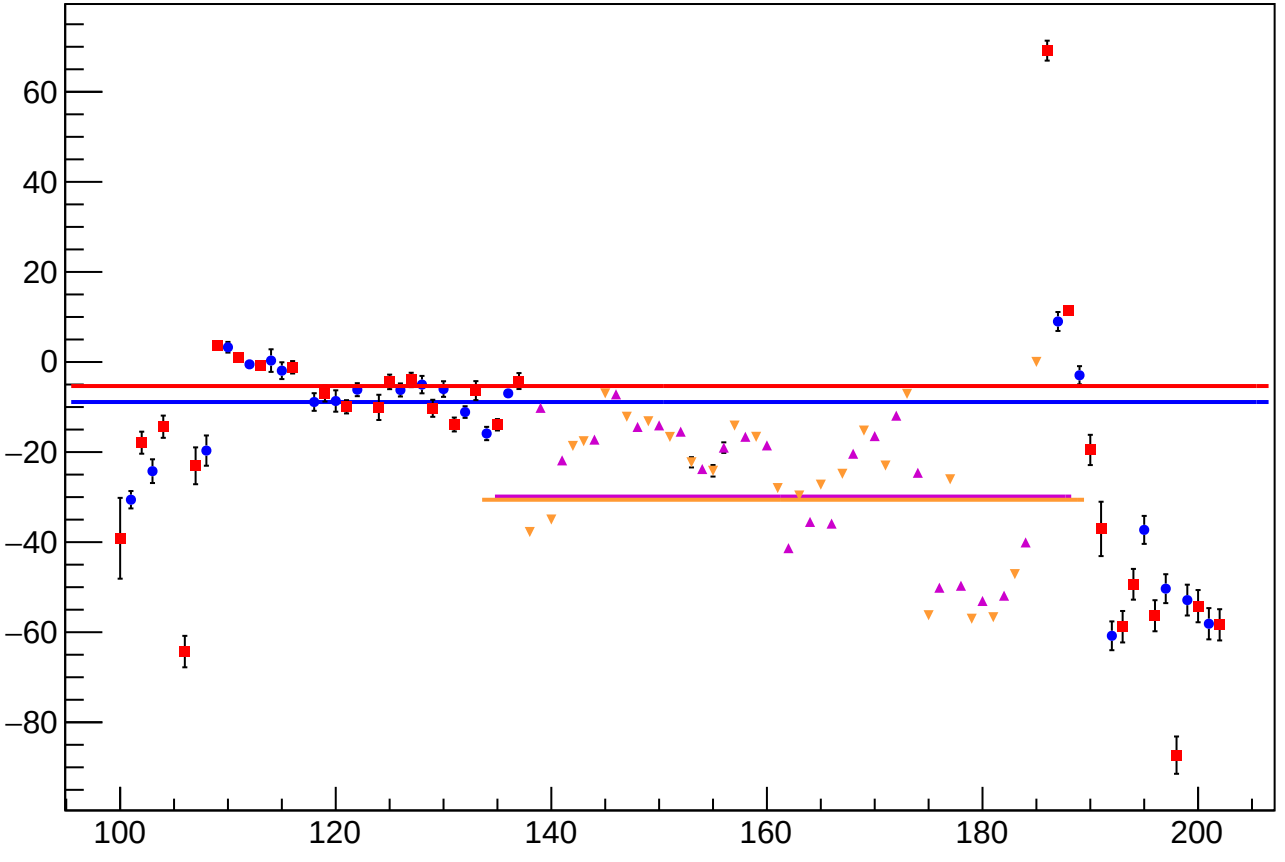
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.159+/-0.003 χ^2/NDF: 3709.2/47

All: 0.161+/-0.002 χ^2/NDF: 9466.3/99

- sign 0.163+/-0.003 χ^2/NDF: 5756.4/51

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -8.884+/-0.353 χ^2/NDF: 1380.6/22

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.335+/-0.334 χ^2/NDF: 3438.5/28

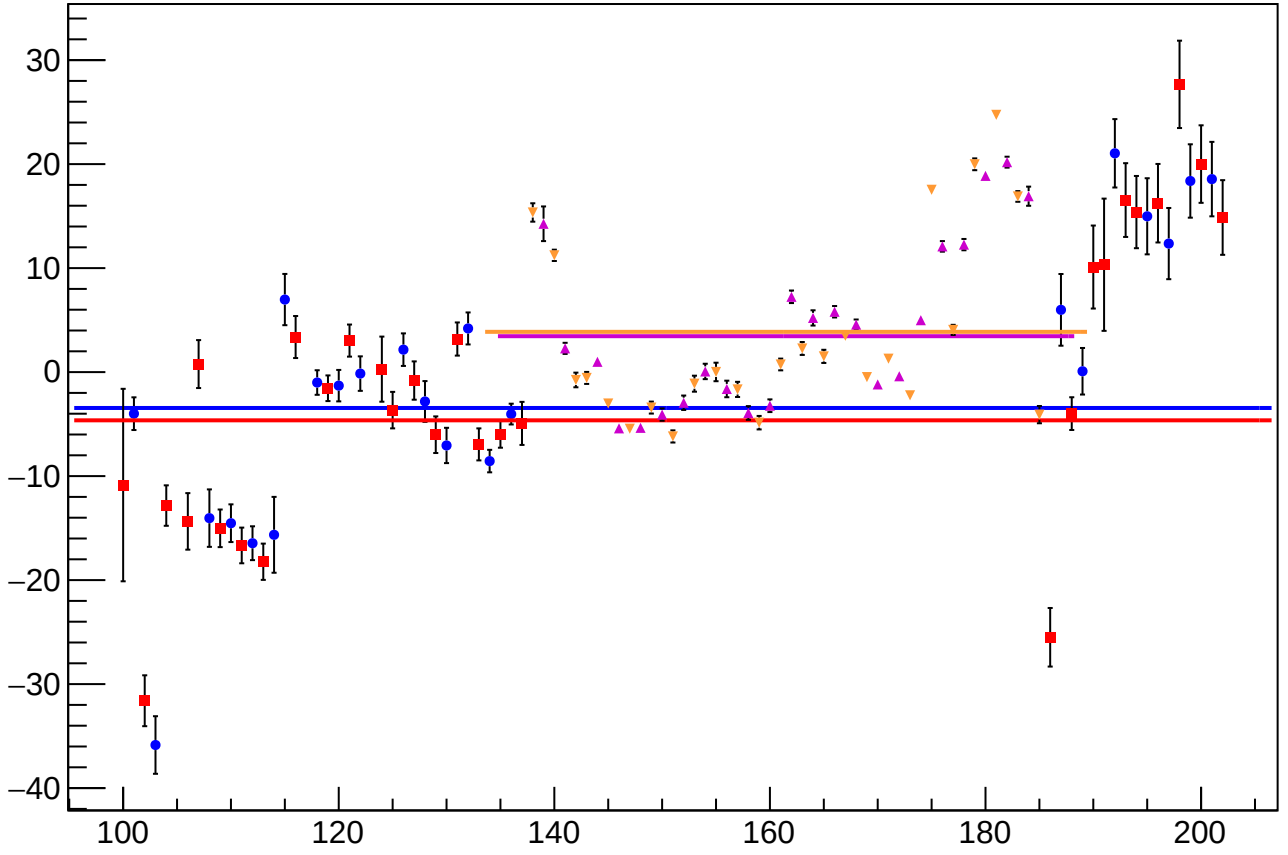
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.560+/-0.132 χ^2/NDF: 20679.0/47

All: -26.762+/-0.094 χ^2/NDF: 40749.1/99

- sign -25.938+/-0.134 χ^2/NDF: 19995.6/51

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.448+/-0.375 χ^2/NDF: 545.4/22

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.637+/-0.383 χ^2/NDF: 688.8/28

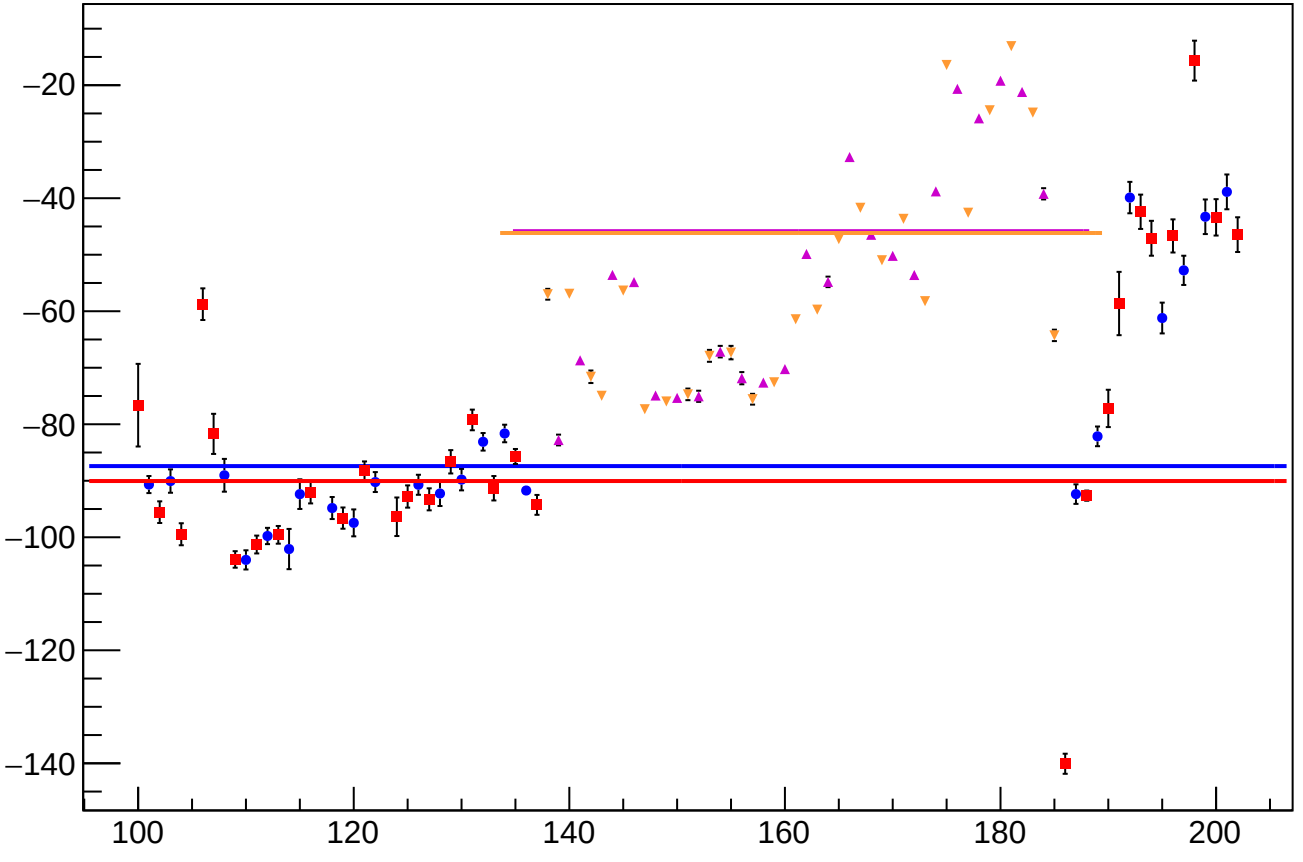
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.283+/-0.107 χ^2/NDF: 7437.0/47

All: 3.046+/-0.076 χ^2/NDF: 13239.8/99

- sign 2.798+/-0.109 χ^2/NDF: 5792.7/51

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -87.404+/-0.382 χ^2/NDF: 1324.9/22

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -90.048+/-0.366 χ^2/NDF: 2780.8/28

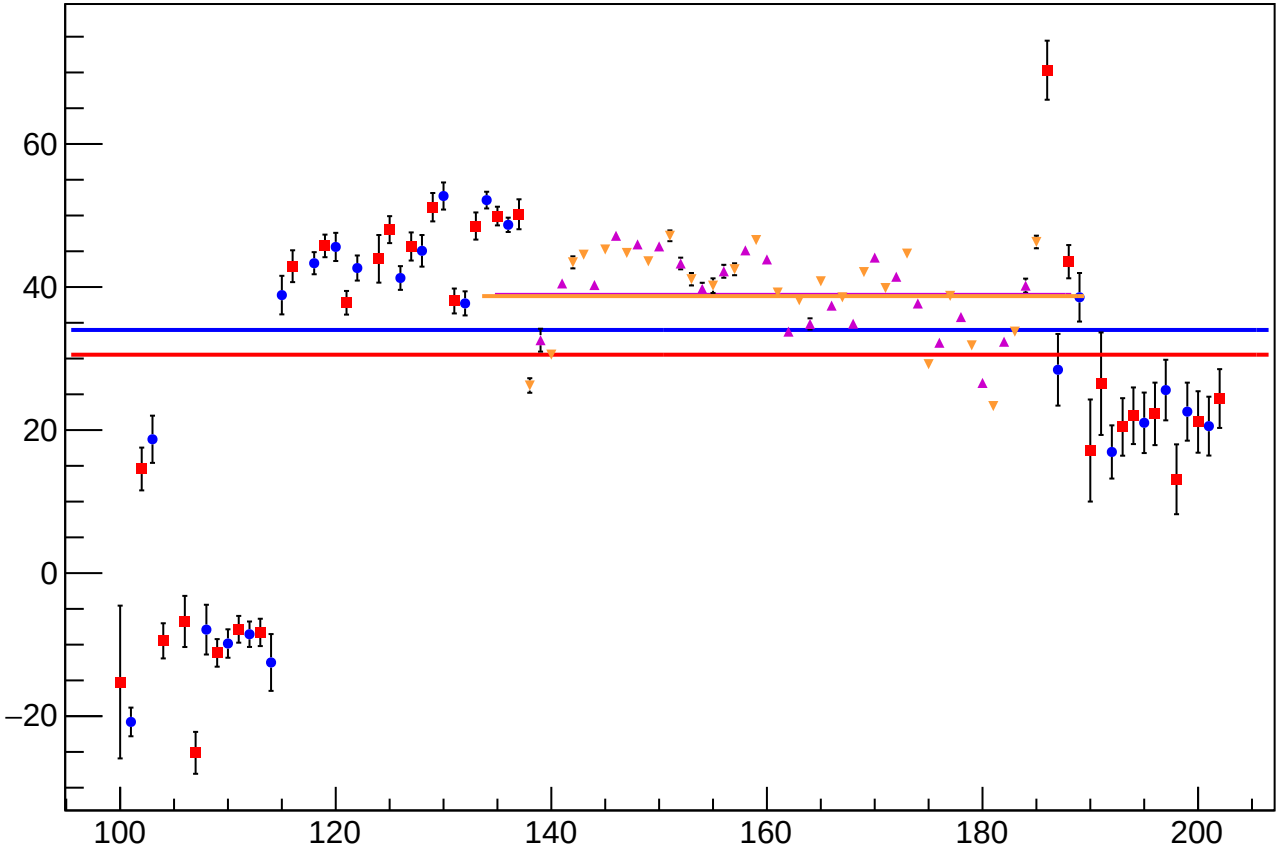
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.185+/-0.133 χ^2/NDF: 33016.6/47

All: -51.542+/-0.095 χ^2/NDF: 66341.9/99

- sign -51.911+/-0.136 χ^2/NDF: 33310.8/51

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.999+/-0.424 χ^2/NDF: 2867.9/22

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.539+/-0.439 χ^2/NDF: 3073.8/28

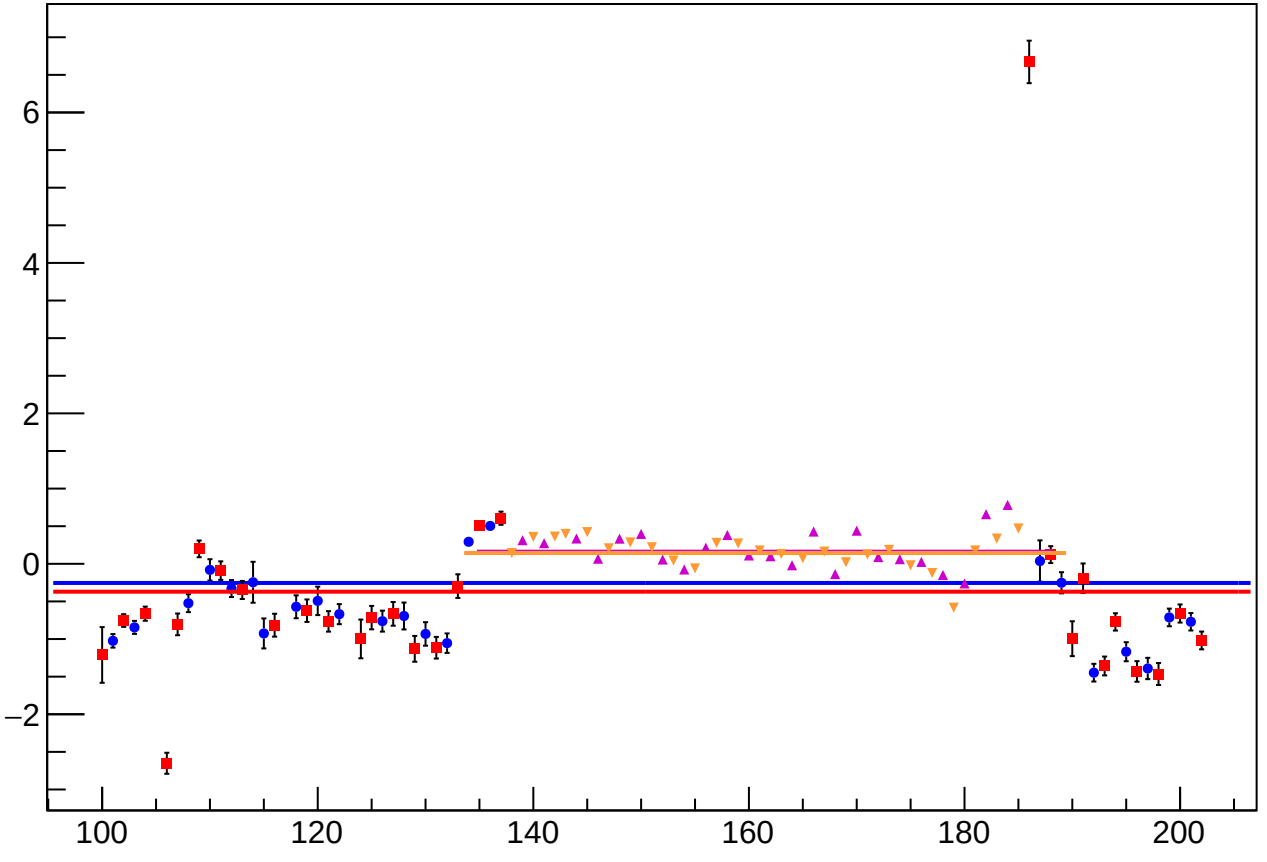
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.355+/-0.120 χ^2/NDF: 5764.1/47

All: 38.305+/-0.086 χ^2/NDF: 11145.3/99

- sign 38.253+/-0.122 χ^2/NDF: 5380.9/51

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.254+/-0.022 χ^2/NDF: 928.0/22

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.371+/-0.023 χ^2/NDF: 1712.8/28

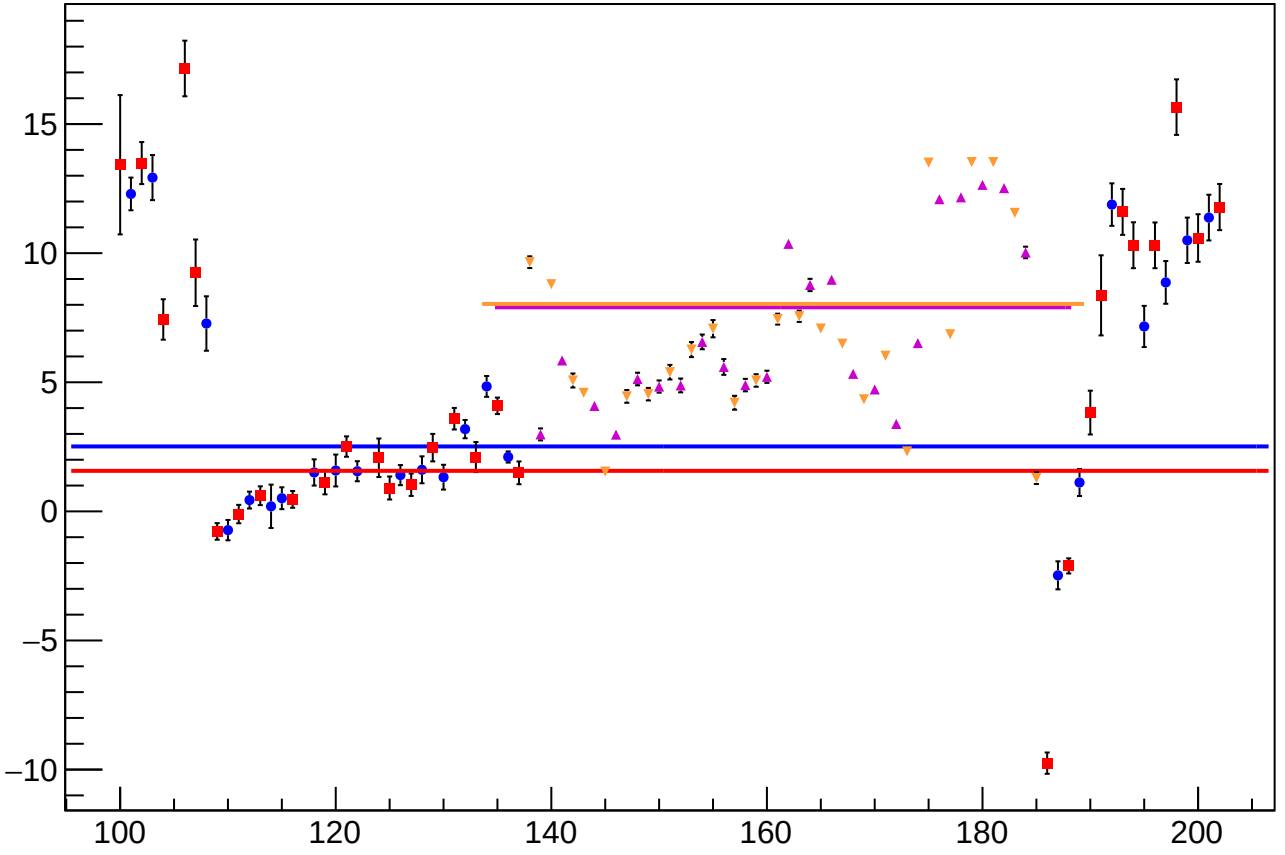
Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.119+/-0.005 χ^2/NDF: 2687.1/47

All: 0.124+/-0.004 χ^2/NDF: 6841.3/99

- sign 0.130+/-0.006 χ^2/NDF: 4152.3/51

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.515+/-0.098 χ^2/NDF: 1106.1/22

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

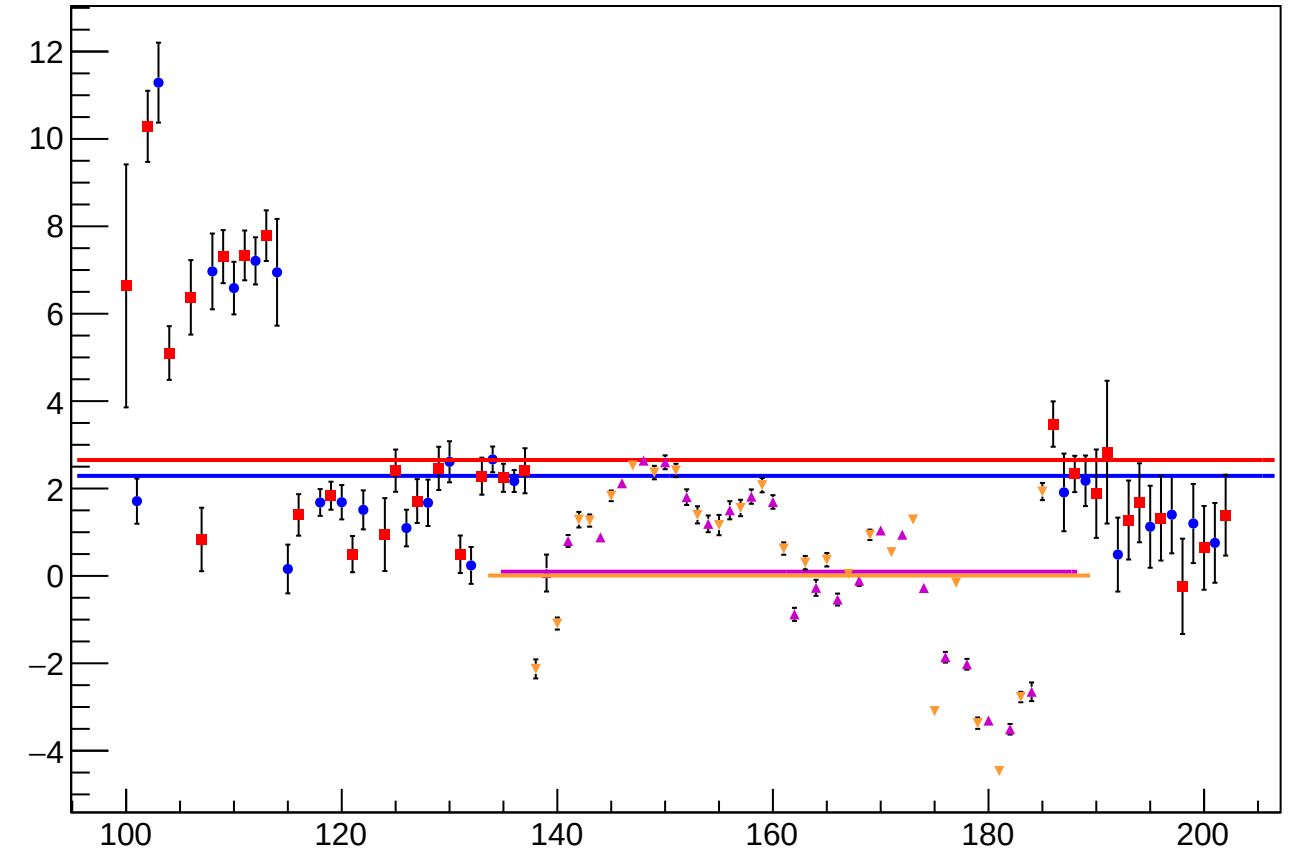
Right Out: 1.570+/-0.093 χ^2/NDF: 2385.2/28

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.414+/-0.033 χ^2/NDF: 17865.4/47

All: 7.251+/-0.023 χ^2/NDF: 34378.2/99

- sign 7.081+/-0.033 χ^2/NDF: 16462.1/51



Right In: 2.289+/-0.102 χ^2/NDF: 346.4/22

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.652+/-0.104 χ^2/NDF: 434.6/28

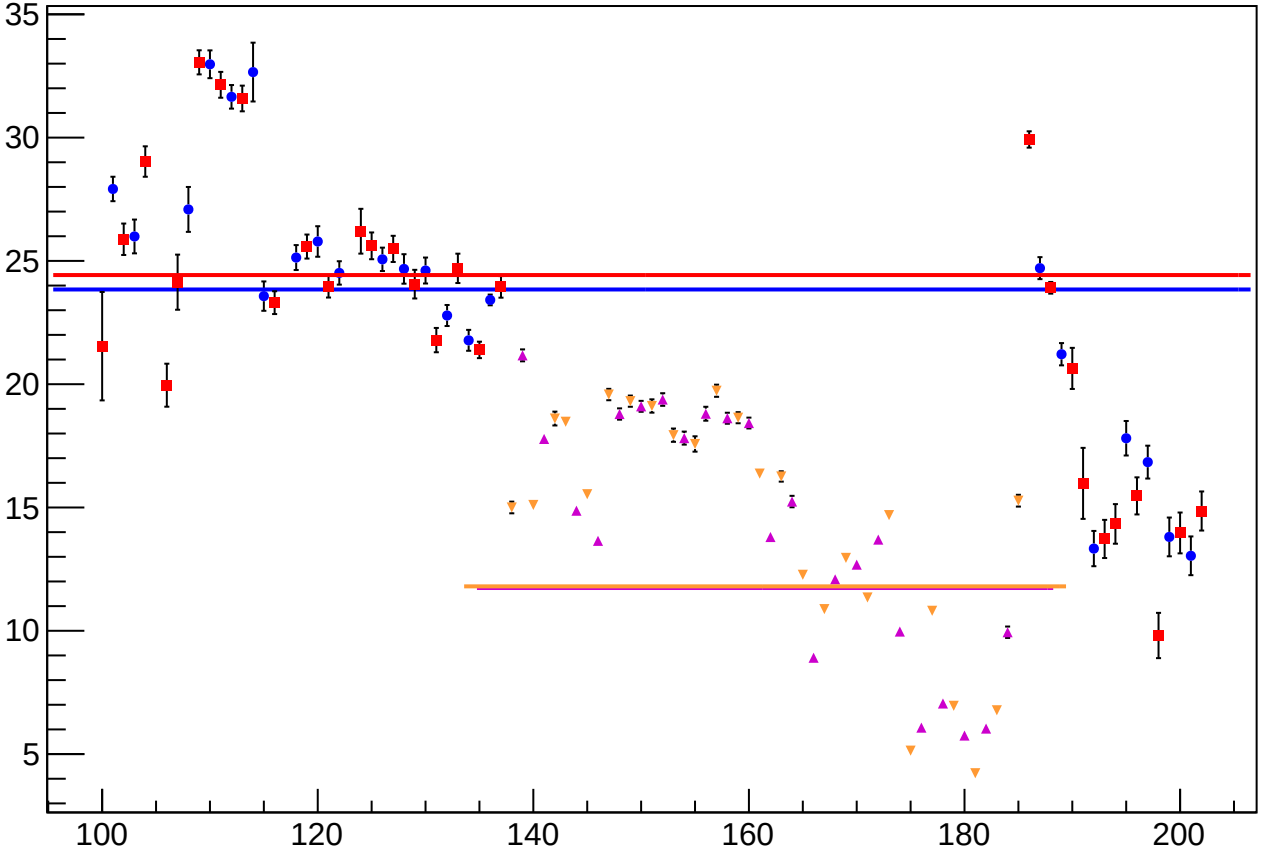
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.162+/-0.027 χ^2/NDF: 6571.7/47

All: 0.215+/-0.019 χ^2/NDF: 12007.4/99

- sign 0.269+/-0.027 χ^2/NDF: 5427.8/51

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 23.841+/-0.104 χ^2/NDF: 1526.8/22

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

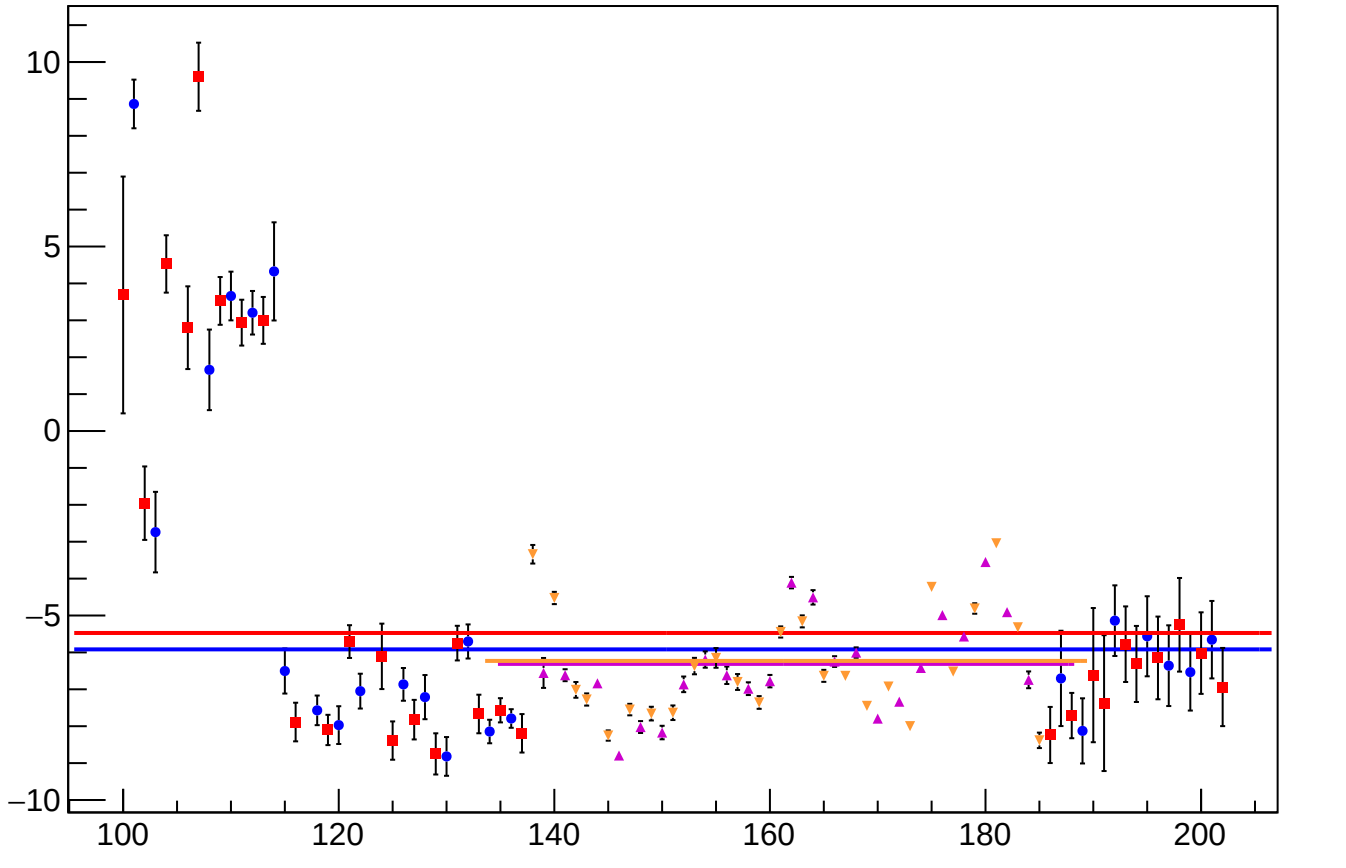
Right Out: 24.426+/-0.098 χ^2/NDF: 2329.4/28

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.009+/-0.033 χ^2/NDF: 34977.6/47

All: 13.111+/-0.024 χ^2/NDF: 69998.0/99

- sign 13.217+/-0.034 χ^2/NDF: 35000.9/51



Right In: -5.918+/-0.115 χ^2/NDF: 1259.5/22

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

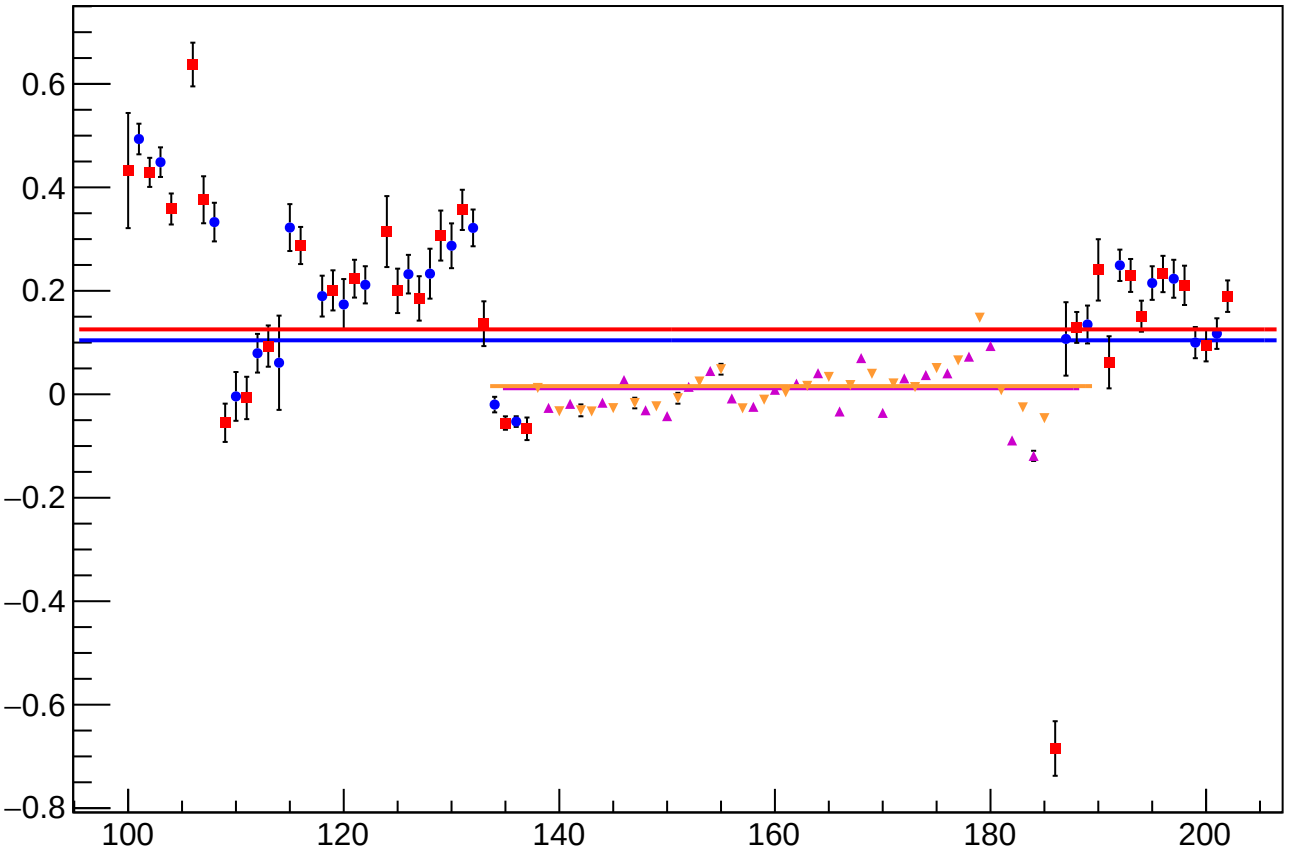
Right Out: -5.473+/-0.120 χ^2/NDF: 1326.9/28

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.210+/-0.030 χ^2/NDF: 3716.4/47

All: -6.233+/-0.021 χ^2/NDF: 7120.5/99

- sign -6.257+/-0.030 χ^2/NDF: 3402.8/51



Right In: 0.104+/-0.006 χ^2/NDF: 820.4/22

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

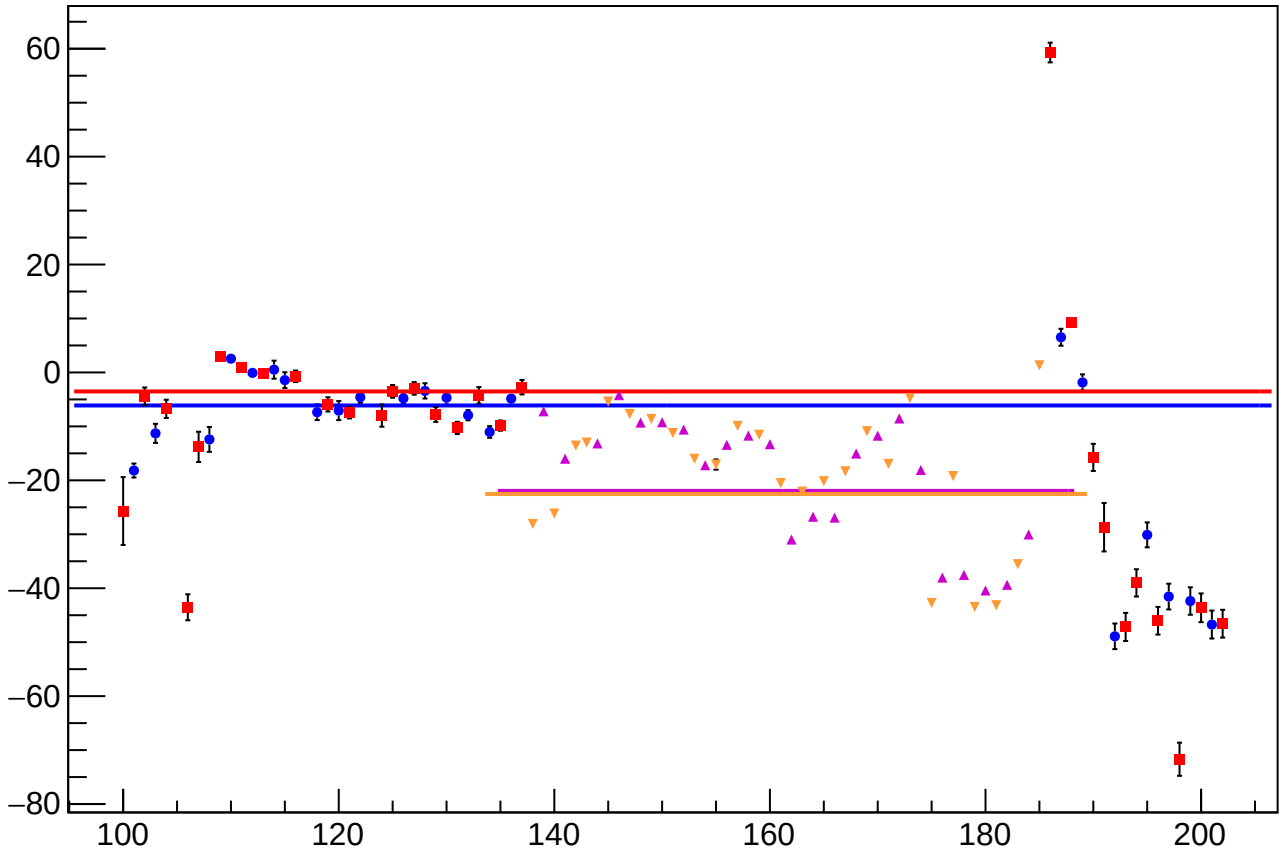
Right Out: 0.125+/-0.006 χ^2/NDF: 1034.7/28

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.020+/-0.001 χ^2/NDF: 1969.2/47

All: 0.019+/-0.001 χ^2/NDF: 4630.0/99

- sign 0.017+/-0.001 χ^2/NDF: 2658.2/51



Right In: -6.123+/-0.253 χ^2/NDF: 1543.9/22

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -3.525+/-0.239 χ^2/NDF: 3814.5/28

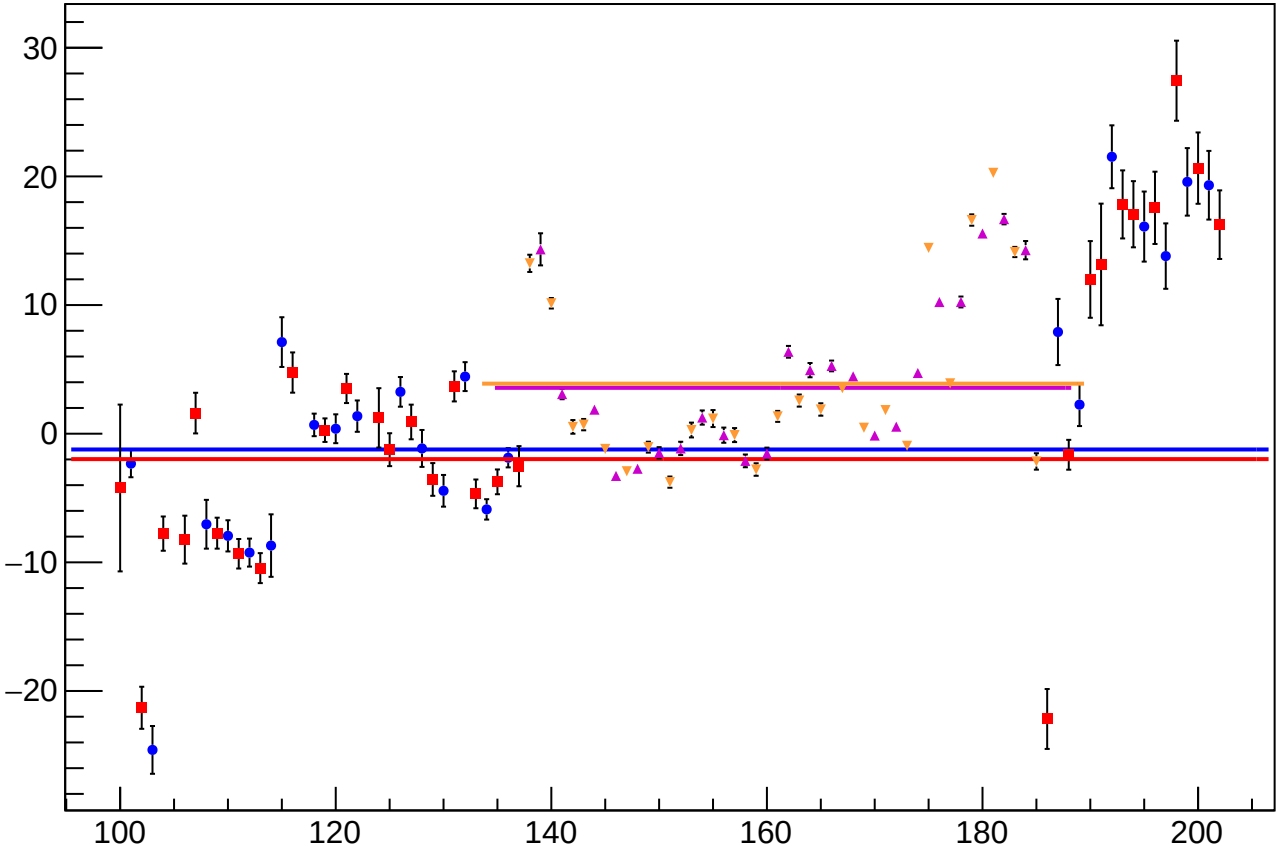
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -20.011+/-0.099 χ^2/NDF: 21634.1/47

All: -19.351+/-0.071 χ^2/NDF: 43021.3/99

- sign -18.673+/-0.101 χ^2/NDF: 21297.9/51

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.226+/-0.272 χ^2/NDF: 676.6/22

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

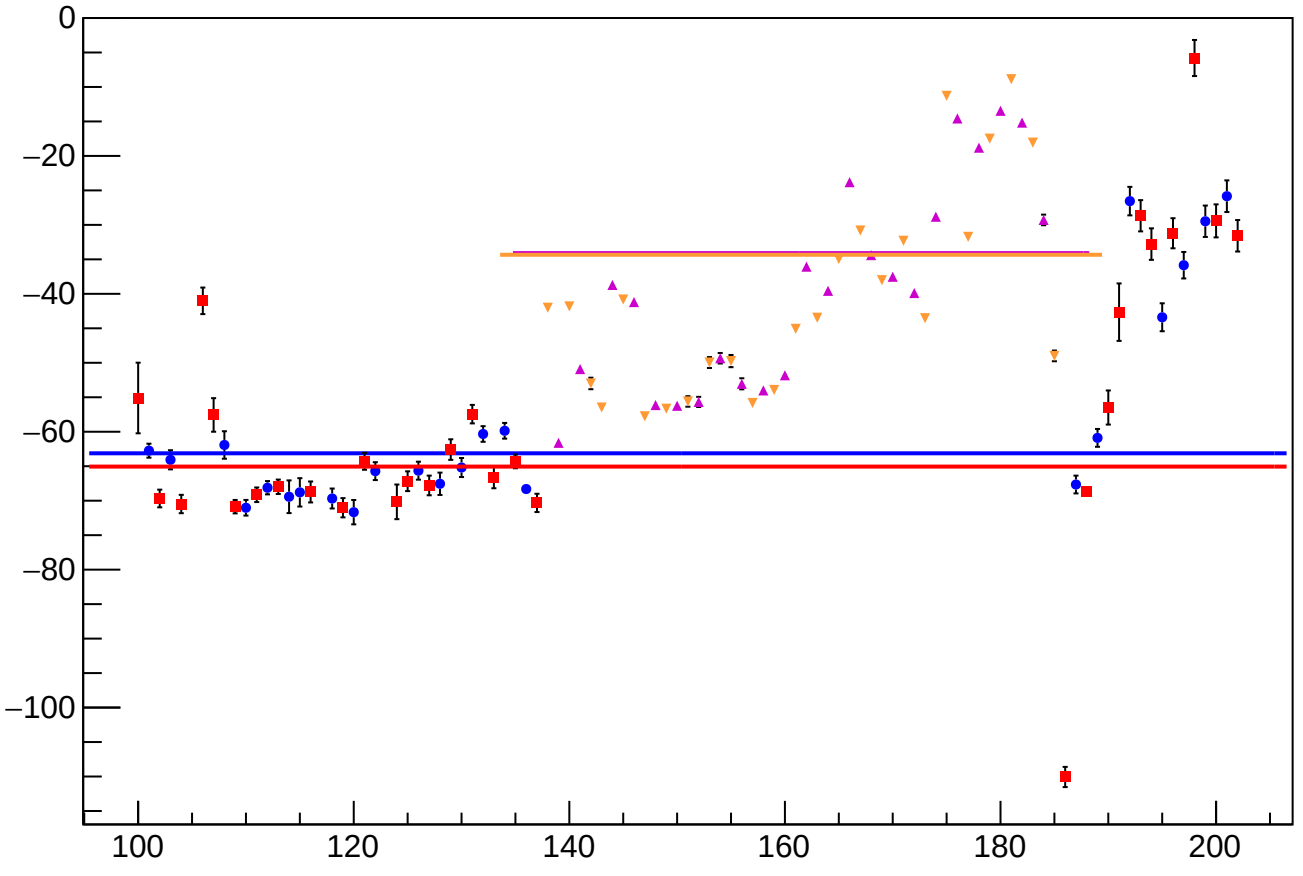
Right Out: -1.976+/-0.276 χ^2/NDF: 850.3/28

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.444+/-0.080 χ^2/NDF: 7723.4/47

All: 3.263+/-0.058 χ^2/NDF: 13689.5/99

- sign 3.075+/-0.082 χ^2/NDF: 5955.9/51



Right In: -63.127+/-0.276 χ^2/NDF: 1336.0/22

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -65.054+/-0.264 χ^2/NDF: 3004.6/28

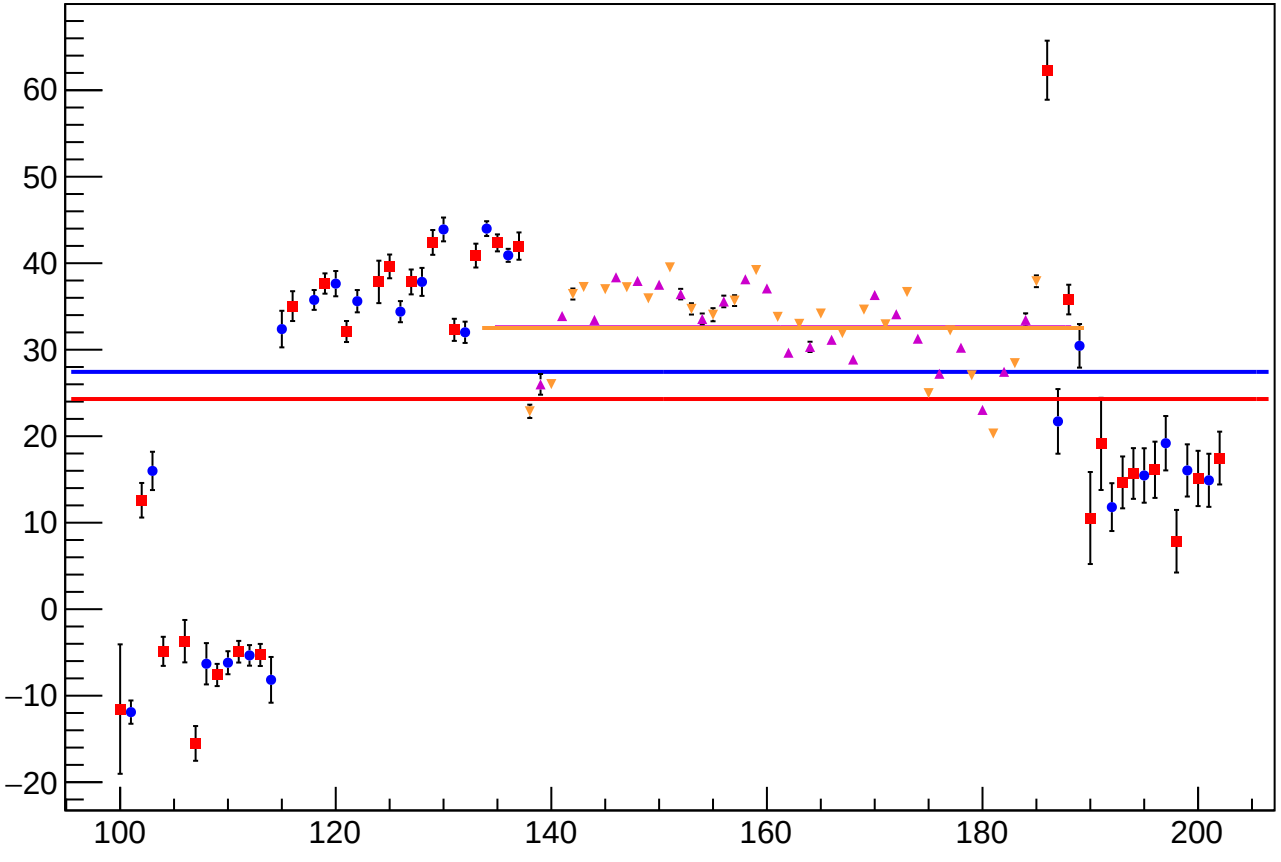
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

\+ sign -38.174+/-0.101 χ^2/NDF: 31968.2/47

All: -38.447+/-0.072 χ^2/NDF: 64380.9/99

\- sign -38.729+/-0.102 χ^2/NDF: 32397.7/51

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.436+/-0.308 χ^2/NDF: 3820.2/22

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

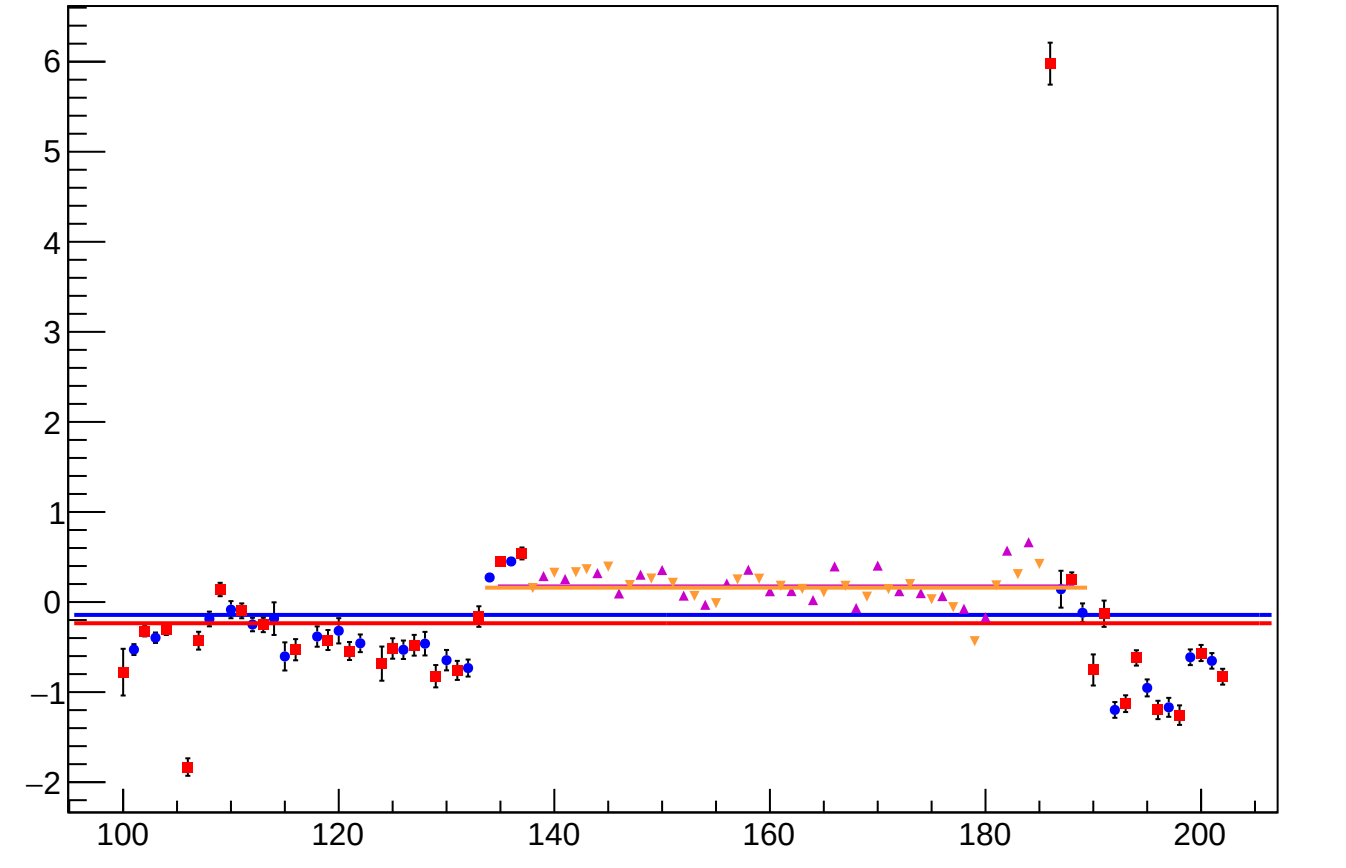
Right Out: 24.299+/-0.317 χ^2/NDF: 4077.5/28

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.074+/-0.090 χ^2/NDF: 7006.4/47

All: 31.984+/-0.065 χ^2/NDF: 13727.5/99

- sign 31.889+/-0.093 χ^2/NDF: 6719.1/51



Right In: -0.143+/-0.016 χ^2/NDF: 1026.4/22

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.235+/-0.016 χ^2/NDF: 1950.7/28

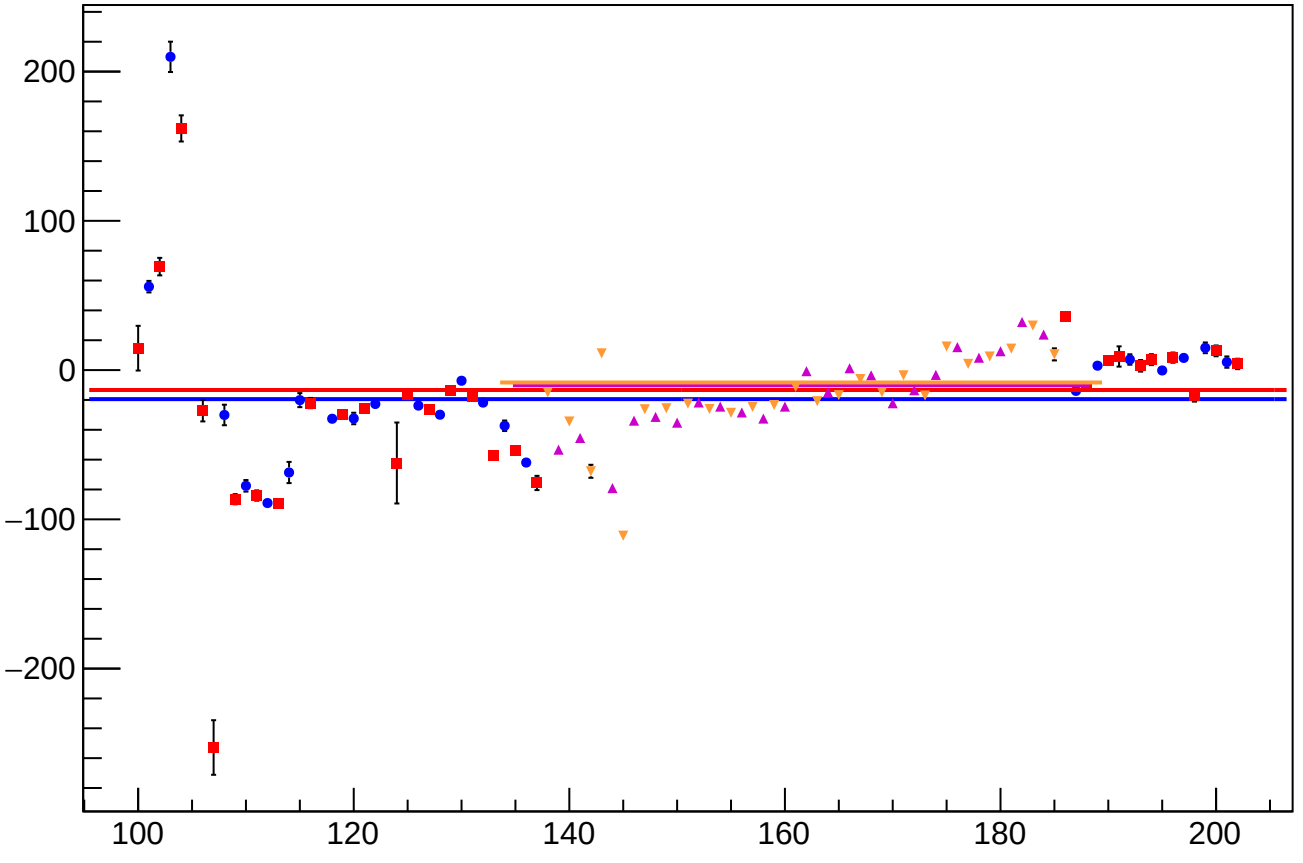
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.139+/-0.004 χ^2/NDF: 2984.6/47

All: 0.143+/-0.003 χ^2/NDF: 7652.2/99

- sign 0.146+/-0.004 χ^2/NDF: 4666.1/51

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -19.461+/-0.657 χ^2/NDF: 2533.4/22

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -13.340+/-0.571 χ^2/NDF: 4125.5/28

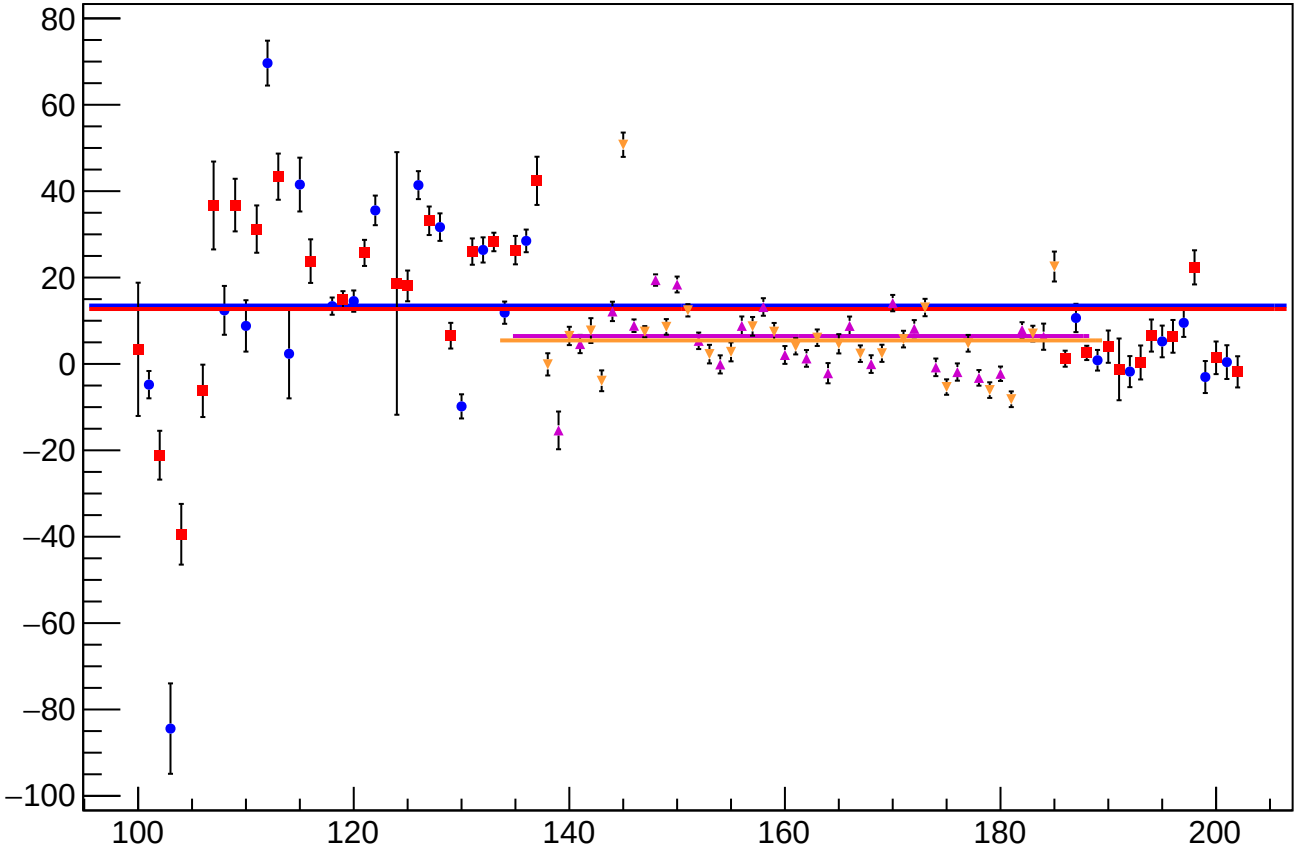
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -12.532+/-0.405 χ^2/NDF: 5272.2/47

All: -12.062+/-0.280 χ^2/NDF: 11935.2/99

- sign -11.633+/-0.387 χ^2/NDF: 6660.5/51

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 13.516+/-0.685 χ^2/NDF: 614.9/22

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 12.717+/-0.634 χ^2/NDF: 484.7/28

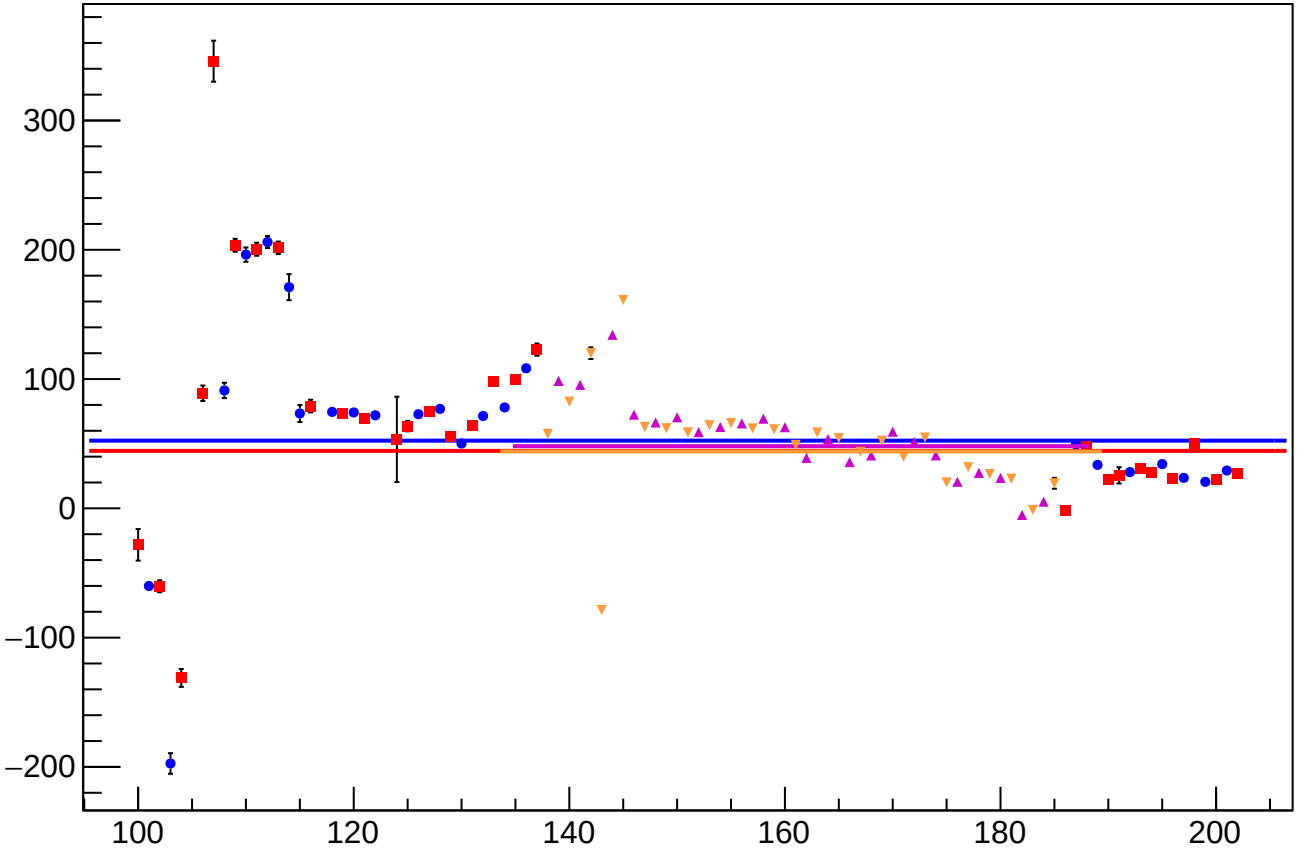
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.450+/-0.342 χ^2/NDF: 1212.9/47

All: 7.871+/-0.242 χ^2/NDF: 2105.5/99

- sign 8.295+/-0.343 χ^2/NDF: 889.6/51

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 52.373+/-0.642 χ^2/NDF: 5744.0/22

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 44.461+/-0.531 χ^2/NDF: 7606.3/28

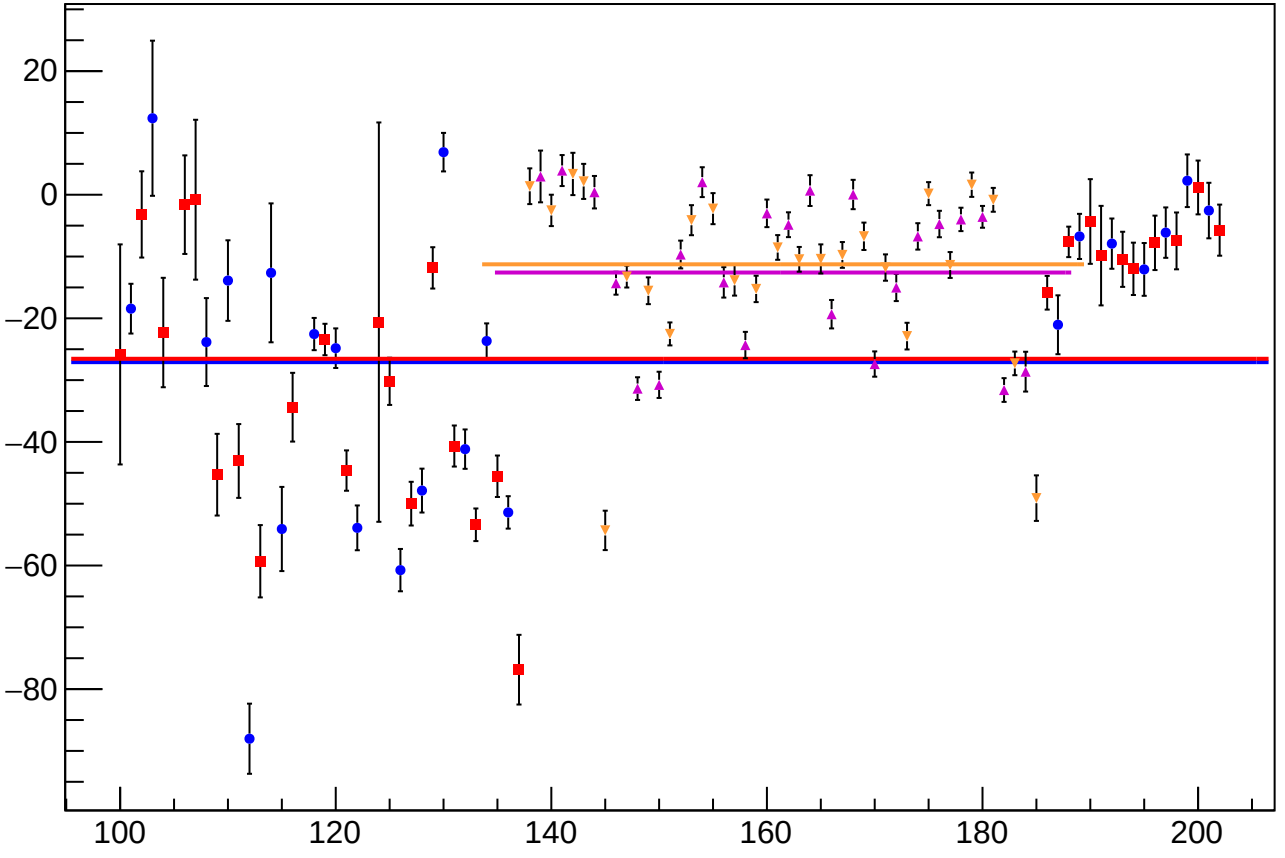
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 47.265+/-0.399 χ^2/NDF: 10411.2/47

All: 46.750+/-0.272 χ^2/NDF: 21420.7/99

- sign 46.303+/-0.372 χ^2/NDF: 11006.4/51

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -27.091+/-0.810 χ^2/NDF: 737.1/22

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -26.547+/-0.775 χ^2/NDF: 619.2/28

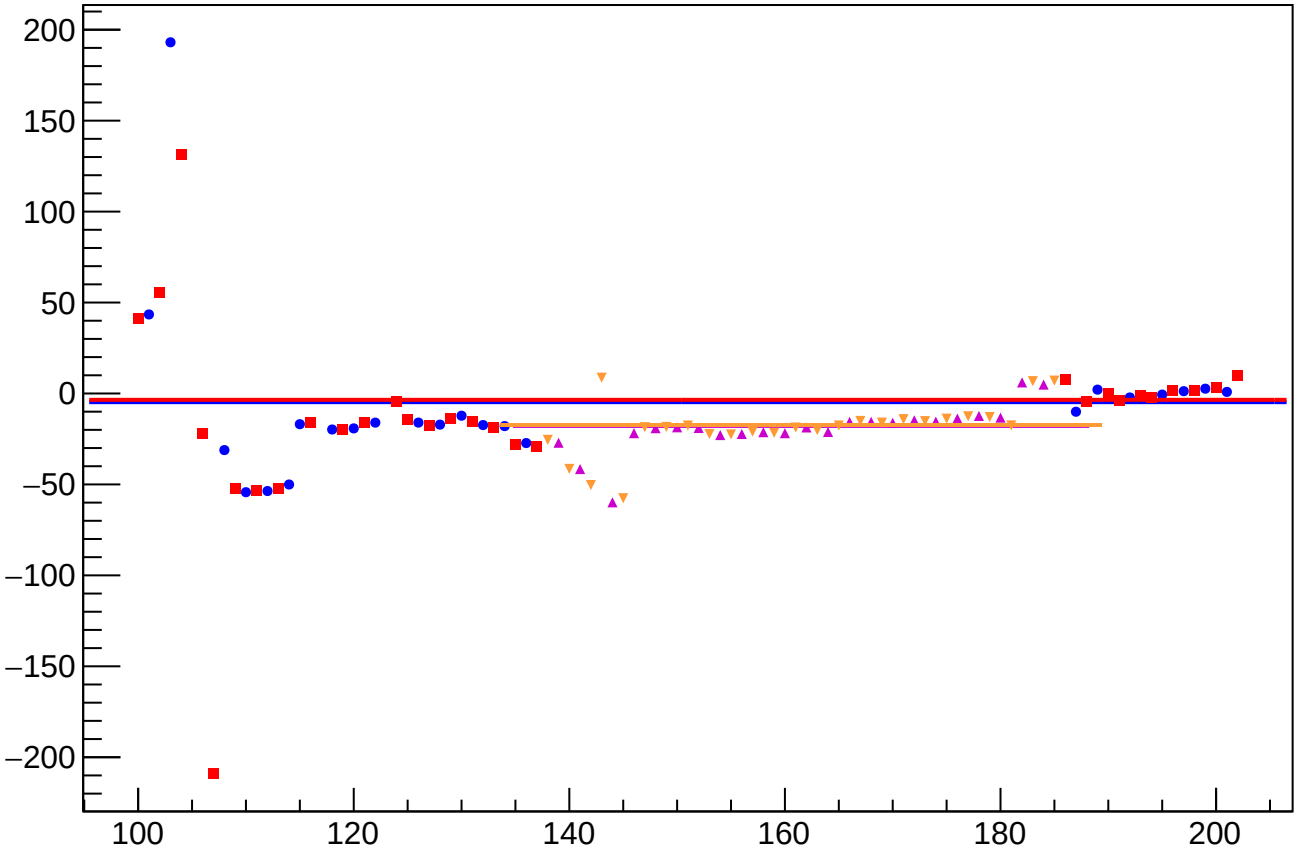
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -14.932+/-0.390 χ^2/NDF: 1674.1/47

All: -15.563+/-0.277 χ^2/NDF: 3210.6/99

- sign -16.211+/-0.395 χ^2/NDF: 1531.1/51

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -4.774+/-0.039 χ^2/NDF: 543262.7/22

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -3.486+/-0.037 χ^2/NDF: 495544.1/28

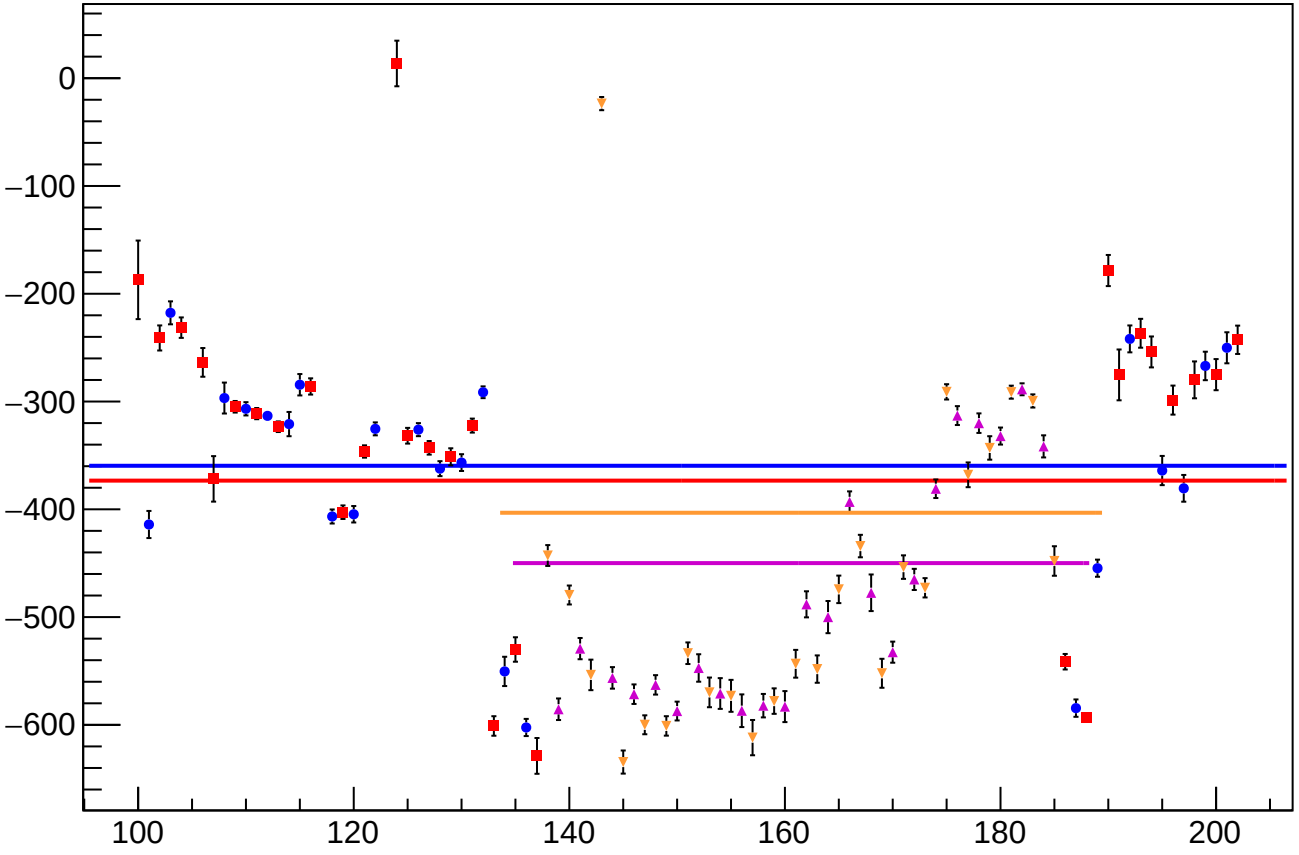
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -14.707+/-0.018 χ^2/NDF: 973658.3/47

All: -14.583+/-0.013 χ^2/NDF: 1854143.8/99

- sign -14.459+/-0.018 χ^2/NDF: 880387.5/51

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -359.602+/-1.666 χ^2/NDF: 3014.4/22

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -373.379+/-1.520 χ^2/NDF: 6291.5/28

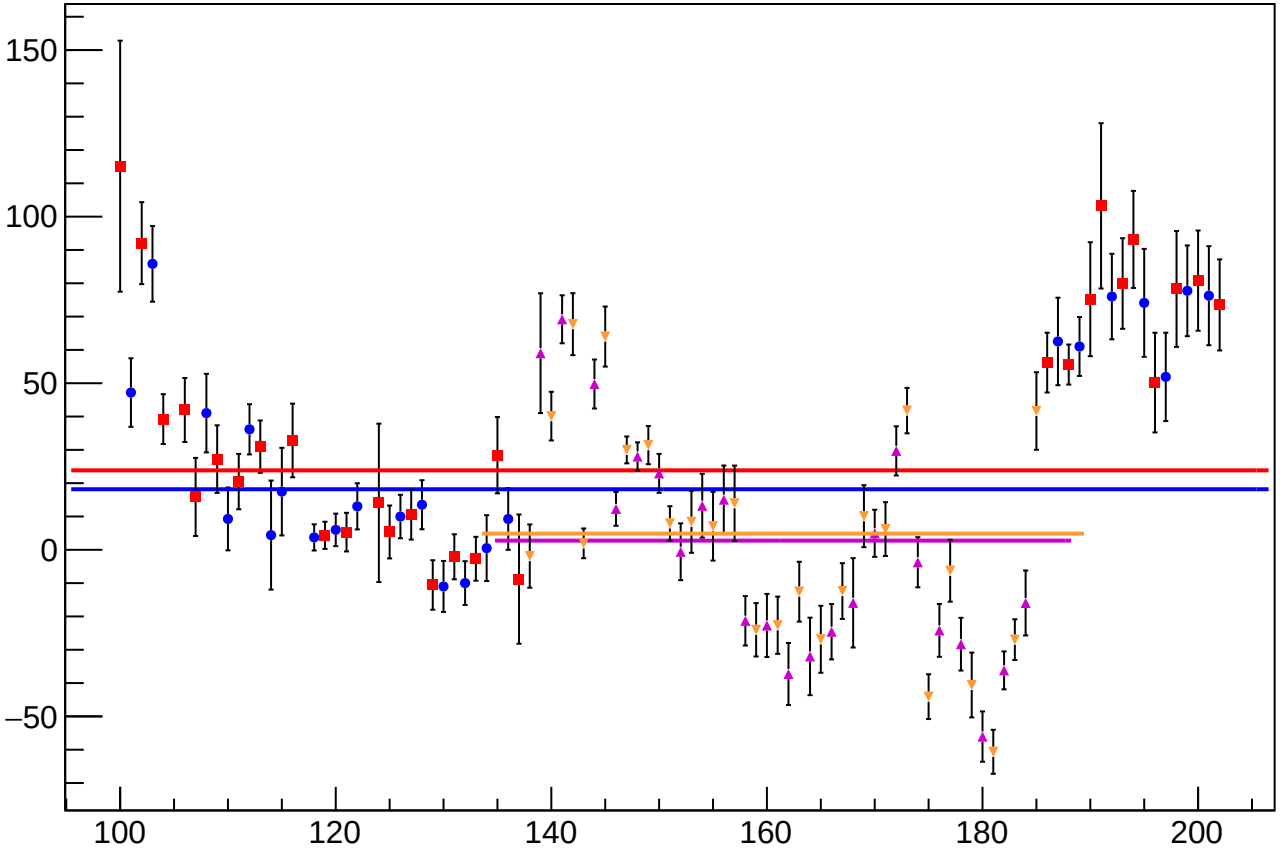
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -378.237+/-1.260 χ^2/NDF: 11057.5/47

All: -389.806+/-0.876 χ^2/NDF: 21634.4/99

- sign -400.634+/-1.219 χ^2/NDF: 10413.8/51

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 18.174+/-1.719 χ^2/NDF: 221.9/22

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 23.850+/-1.658 χ^2/NDF: 284.3/28

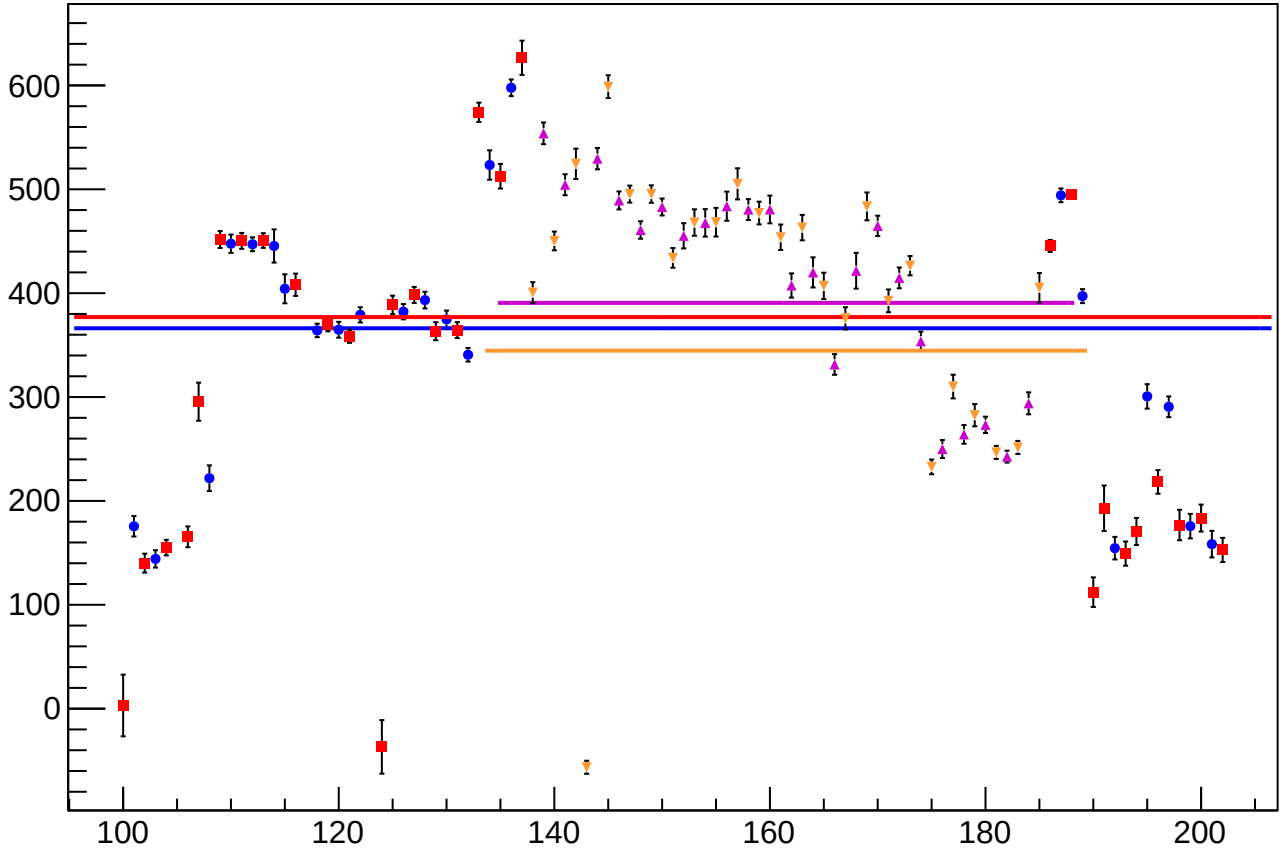
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 10.382+/-1.107 χ^2/NDF: 714.2/47

All: 11.474+/-0.792 χ^2/NDF: 1486.2/99

- sign 12.621+/-1.134 χ^2/NDF: 770.0/51

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 366.206+/-1.796 χ^2/NDF: 3855.3/22

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 376.985+/-1.585 χ^2/NDF: 6902.8/28

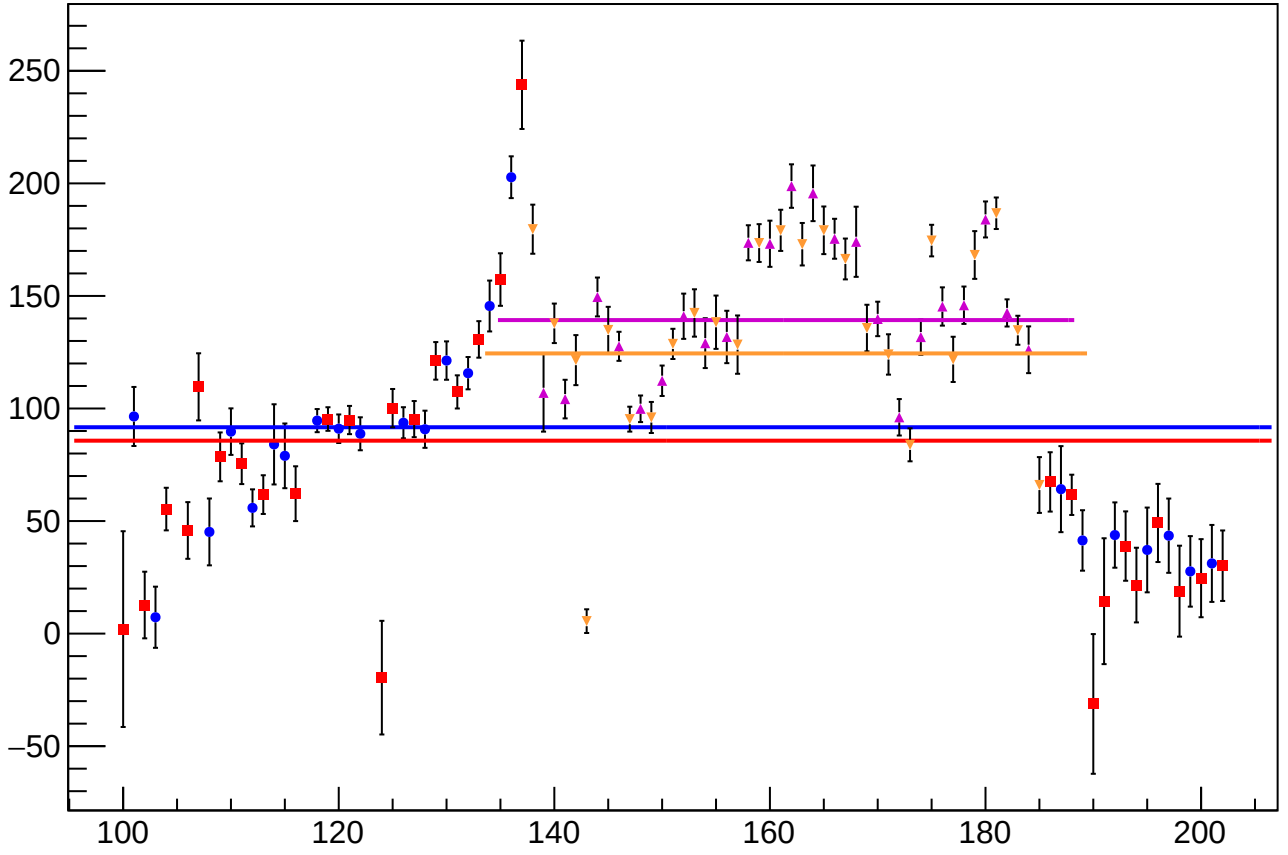
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 356.184+/-1.313 χ^2/NDF: 11200.4/47

All: 369.822+/-0.905 χ^2/NDF: 21009.8/99

- sign 382.171+/-1.249 χ^2/NDF: 9603.8/51

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 91.674+/-2.022 χ^2/NDF: 331.4/22

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 85.705+/-1.960 χ^2/NDF: 345.8/28

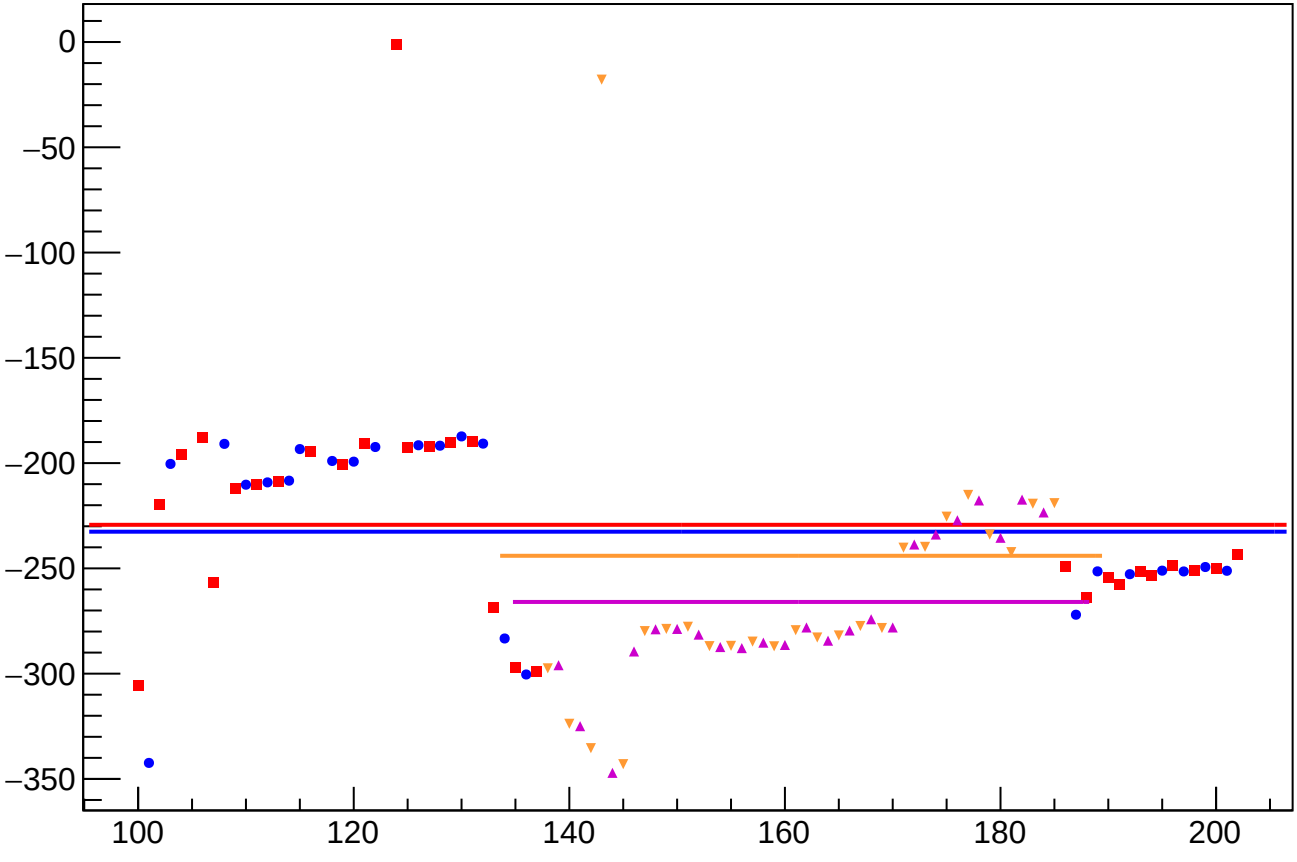
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 111.247+/-1.284 χ^2/NDF: 1425.9/47

All: 113.190+/-0.918 χ^2/NDF: 2448.8/99

- sign 115.222+/-1.313 χ^2/NDF: 1018.2/51

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -232.577+/-0.114 χ^2/NDF: 135104.8/22

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -229.307+/-0.107 χ^2/NDF: 110006.6/28

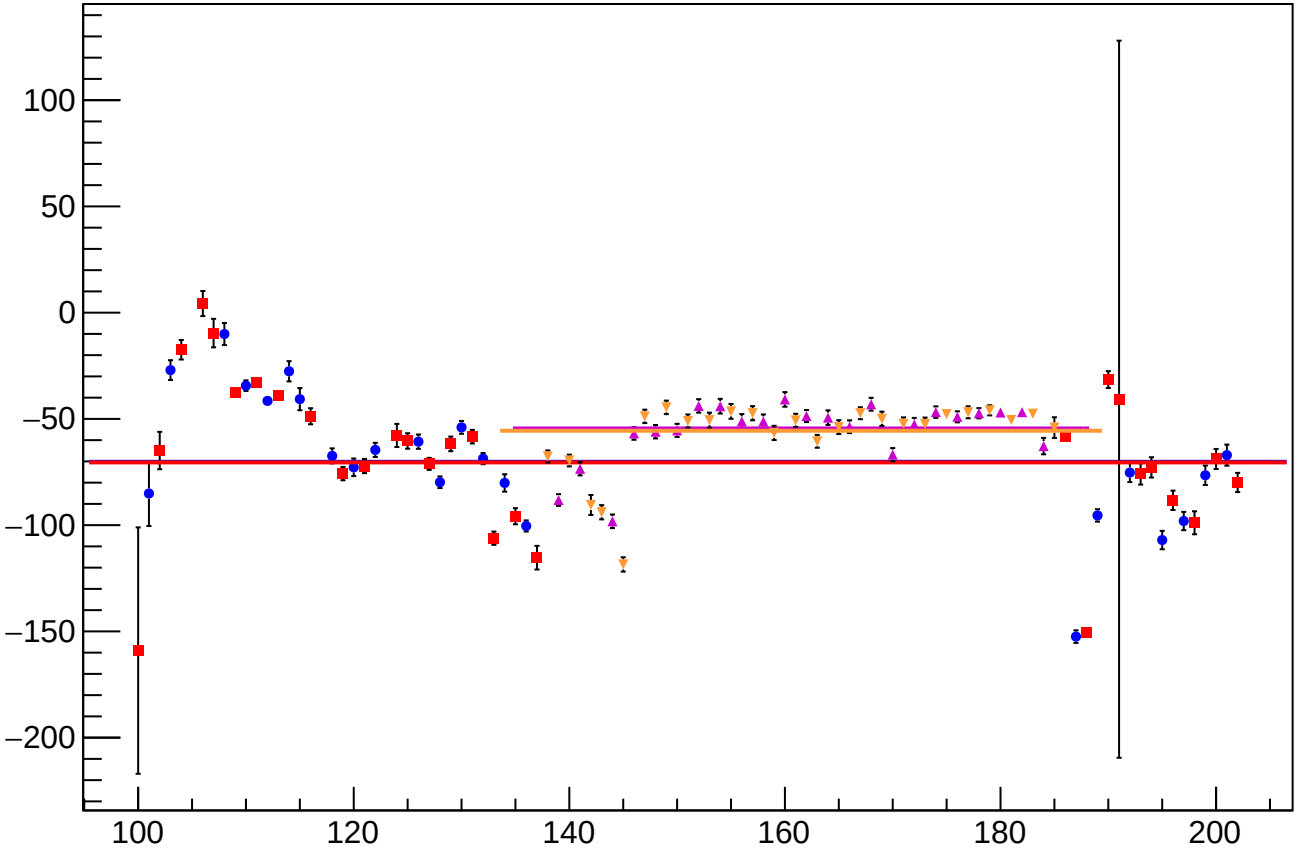
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.433+/-0.064 χ^2/NDF: 1139929.1/47

All: -246.516+/-0.045 χ^2/NDF: 1513237.1/99

- sign -252.628+/-0.064 χ^2/NDF: 355240.2/51

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -70.201+/-0.720 χ^2/NDF: 1874.8/22

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.472+/-0.623 χ^2/NDF: 3763.4/28

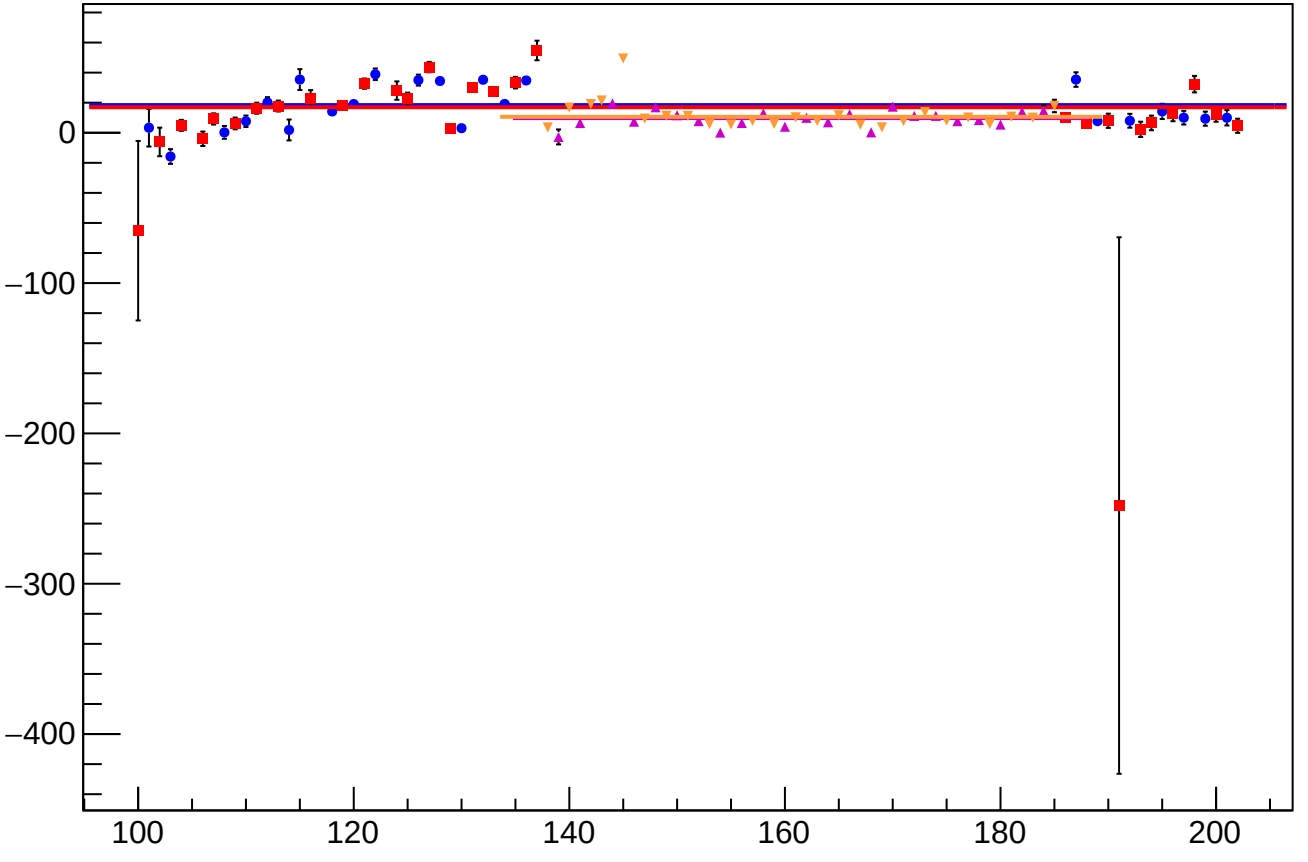
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -61.454+/-0.456 χ^2/NDF: 2808.2/47

All: -61.881+/-0.315 χ^2/NDF: 7411.4/99

\- sign -62.268+/-0.434 χ^2/NDF: 4601.5/51

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.388+/-0.770 χ^2/NDF: 289.1/22

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 16.983+/-0.695 χ^2/NDF: 309.2/28

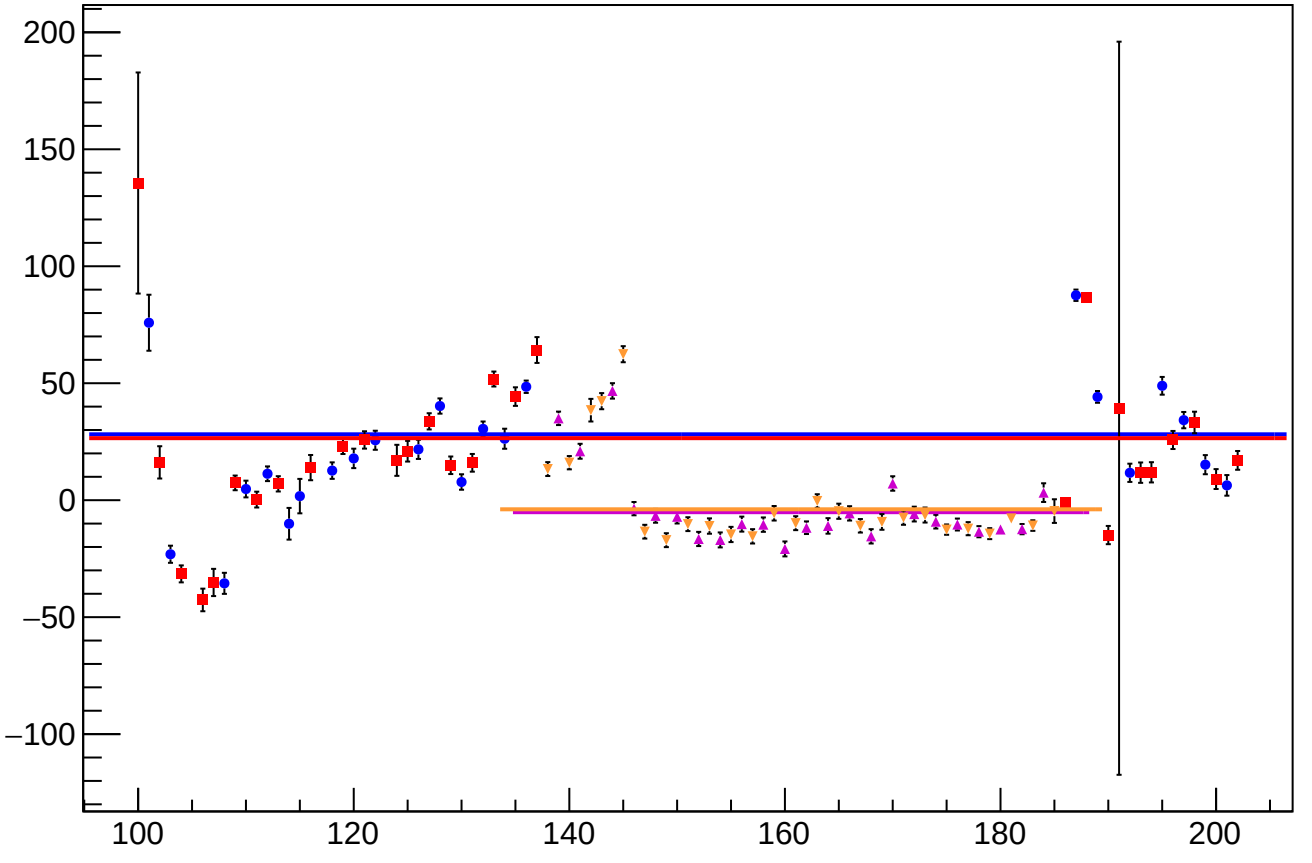
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.579+/-0.388 χ^2/NDF: 620.4/47

All: 12.293+/-0.274 χ^2/NDF: 1126.0/99

- sign 12.008+/-0.388 χ^2/NDF: 504.5/51

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 28.161+/-0.756 χ^2/NDF: 1393.3/22

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 26.510+/-0.625 χ^2/NDF: 3304.6/28

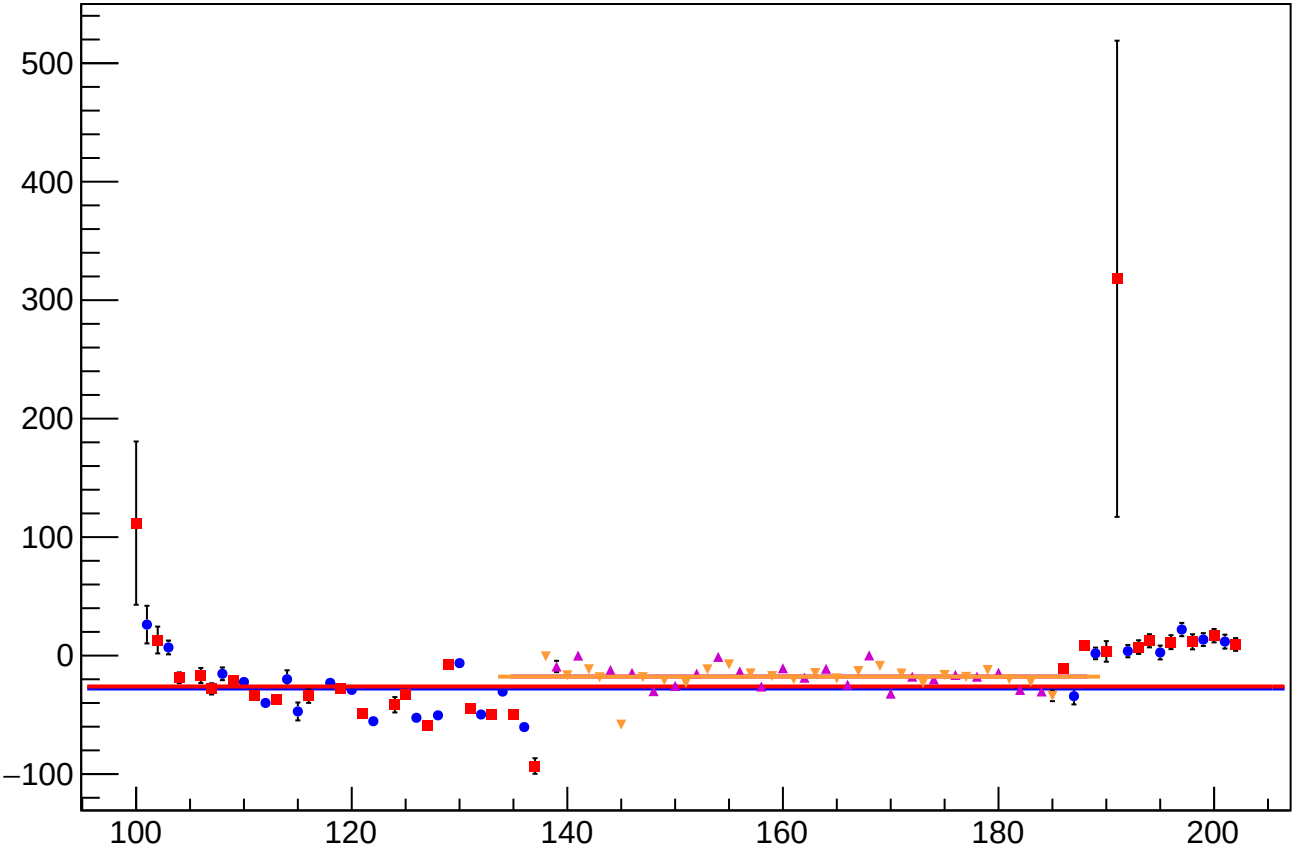
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 8.115+/-0.463 χ^2/NDF: 3368.2/47

All: 9.137+/-0.316 χ^2/NDF: 8665.1/99

- sign 10.031+/-0.433 χ^2/NDF: 5287.8/51

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -27.766+/-0.897 χ^2/NDF: 681.1/22

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -26.064+/-0.835 χ^2/NDF: 817.5/28

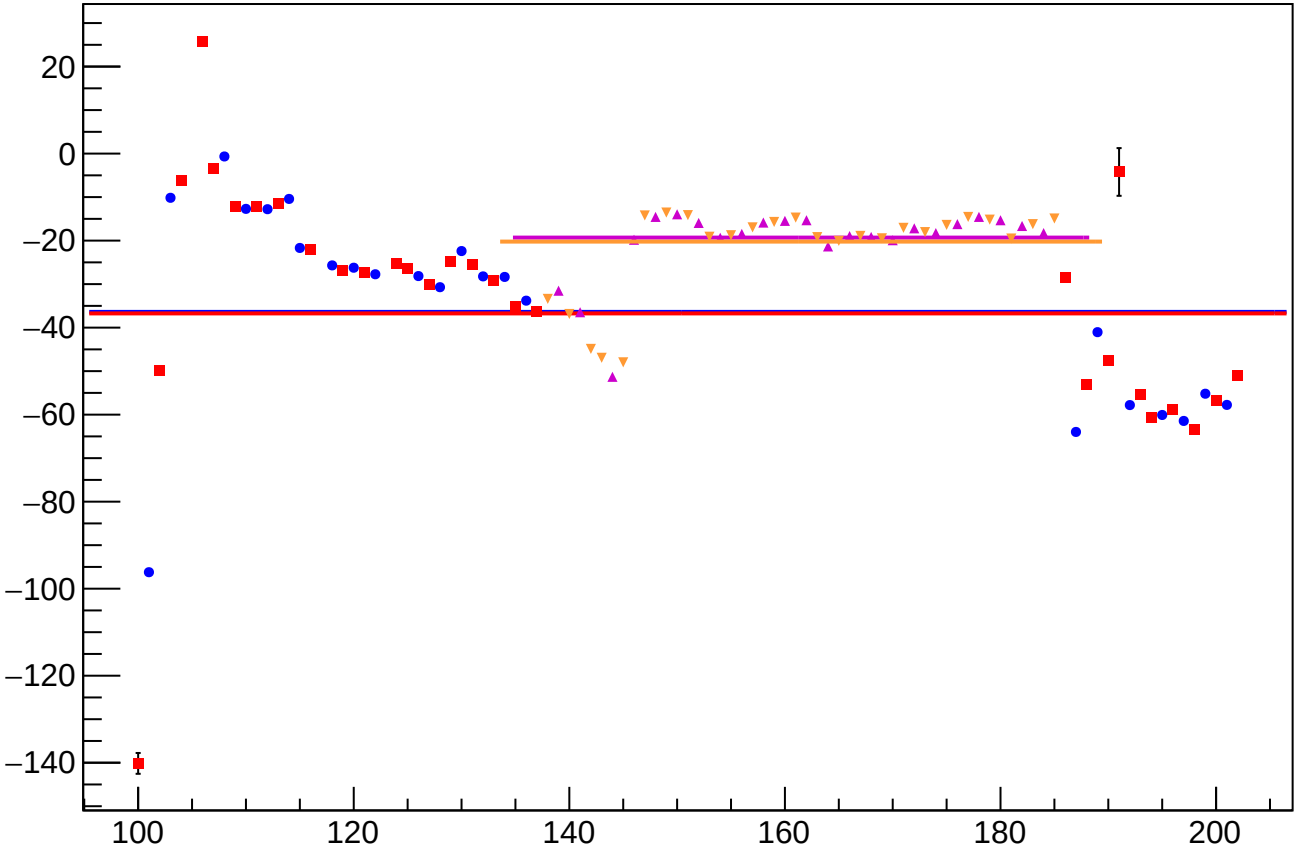
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -20.207+/-0.443 χ^2/NDF: 1026.5/47

All: -20.121+/-0.314 χ^2/NDF: 2202.8/99

- sign -20.035+/-0.445 χ^2/NDF: 1176.2/51

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -36.384+/-0.045 χ^2/NDF: 193941.7/22

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -36.733+/-0.042 χ^2/NDF: 270648.6/28

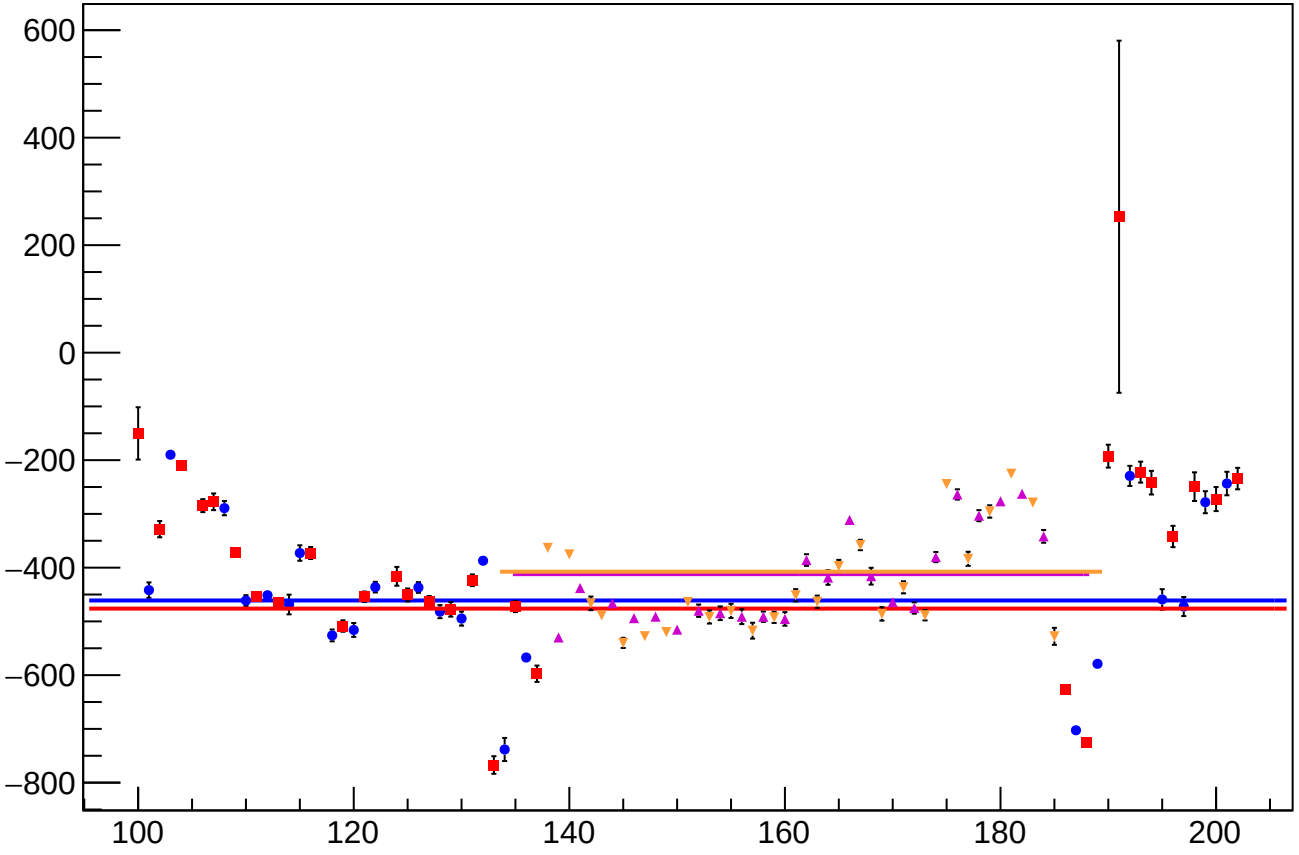
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -23.573+/-0.020 χ^2/NDF: 444784.9/47

All: -23.461+/-0.014 χ^2/NDF: 938566.5/99

- sign -23.348+/-0.020 χ^2/NDF: 493720.5/51

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -461.076+/-2.388 χ^2/NDF: 2806.2/22

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -476.240+/-2.079 χ^2/NDF: 6077.3/28

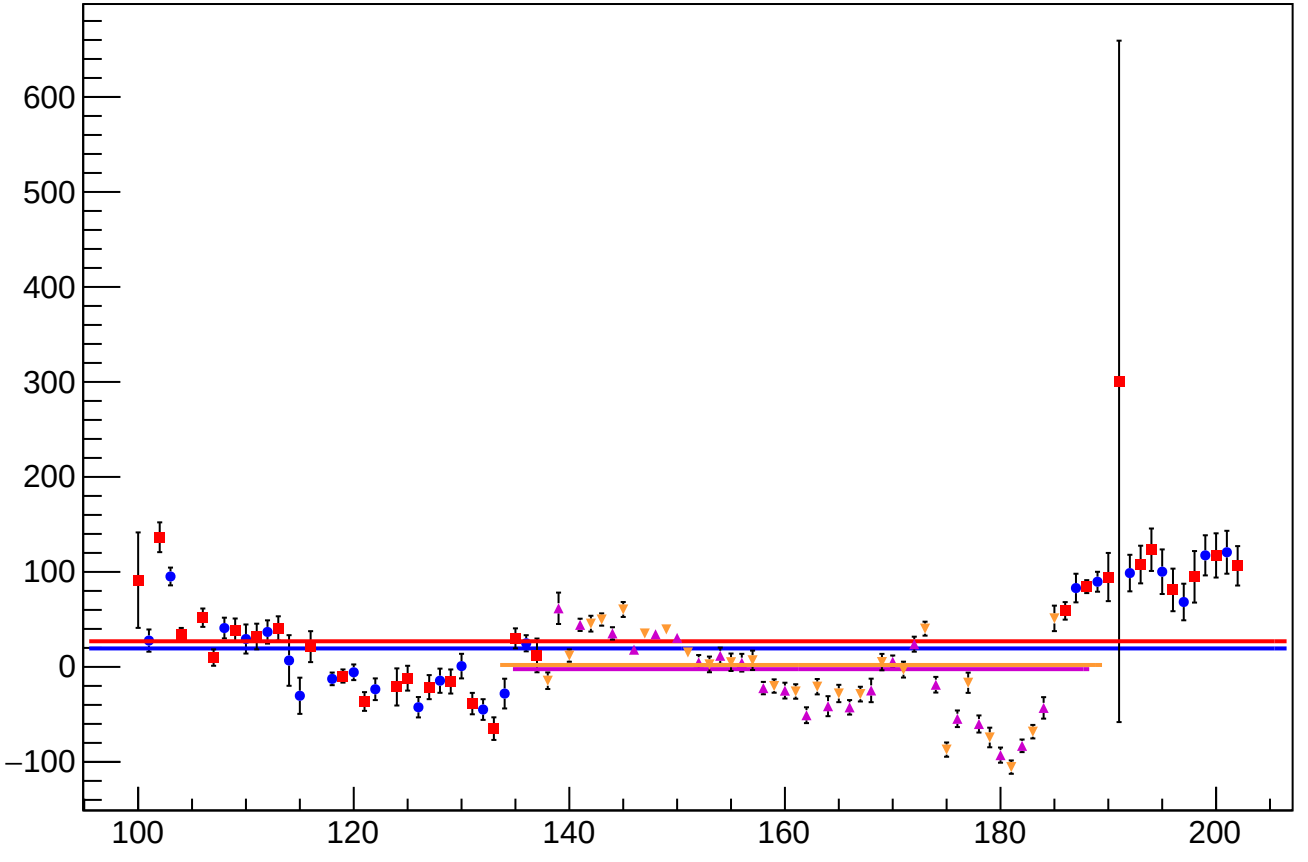
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -428.977+/-1.511 χ^2/NDF: 5980.0/47

All: -436.333+/-1.044 χ^2/NDF: 14777.2/99

- sign -443.057+/-1.445 χ^2/NDF: 8751.8/51

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 19.440+/-2.506 χ^2/NDF: 352.6/22

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 26.984+/-2.237 χ^2/NDF: 436.7/28

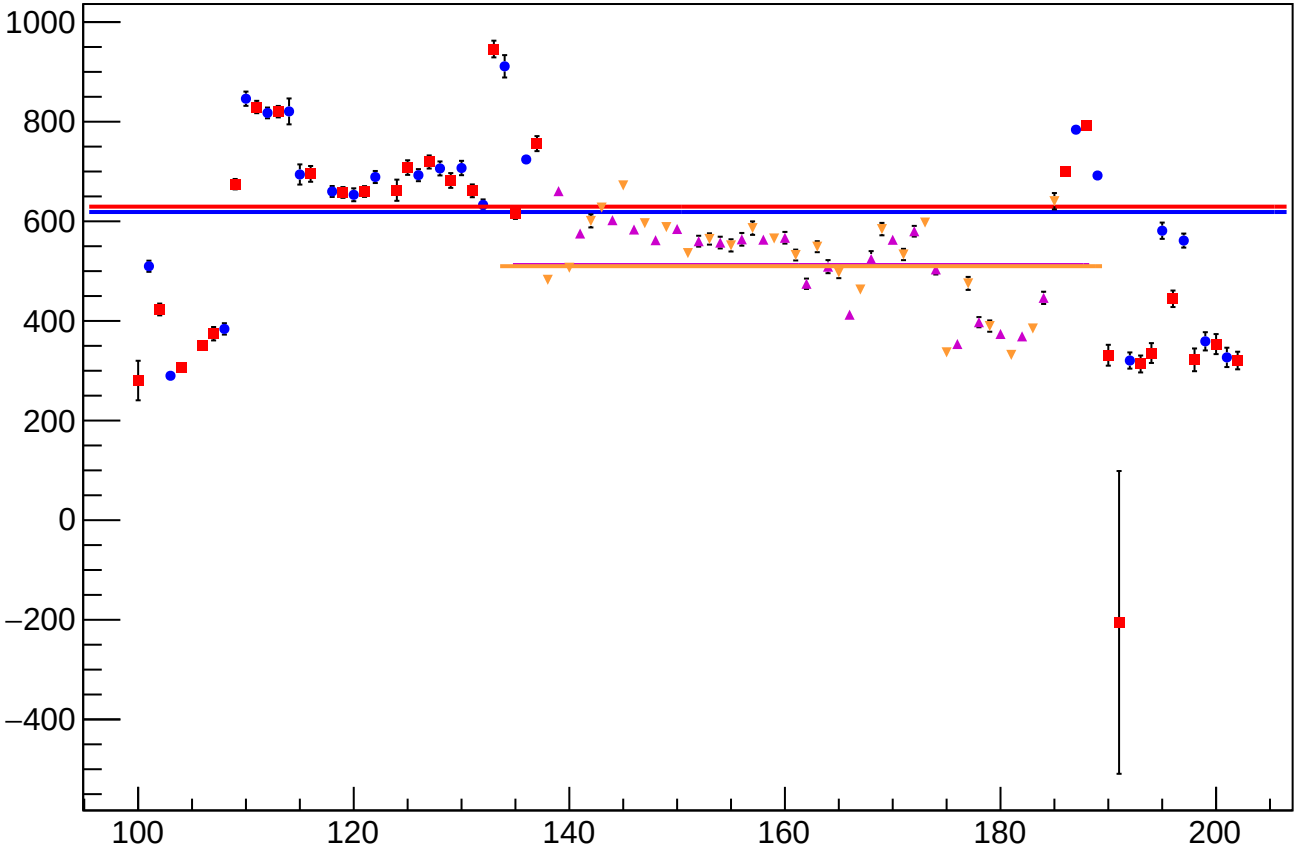
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 6.293+/-1.239 χ^2/NDF: 1299.8/47

All: 6.443+/-0.875 χ^2/NDF: 2589.5/99

- sign 6.593+/-1.236 χ^2/NDF: 1289.7/51

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 618.665+/-2.415 χ^2/NDF: 5242.9/22

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 629.469+/-2.029 χ^2/NDF: 8567.2/28

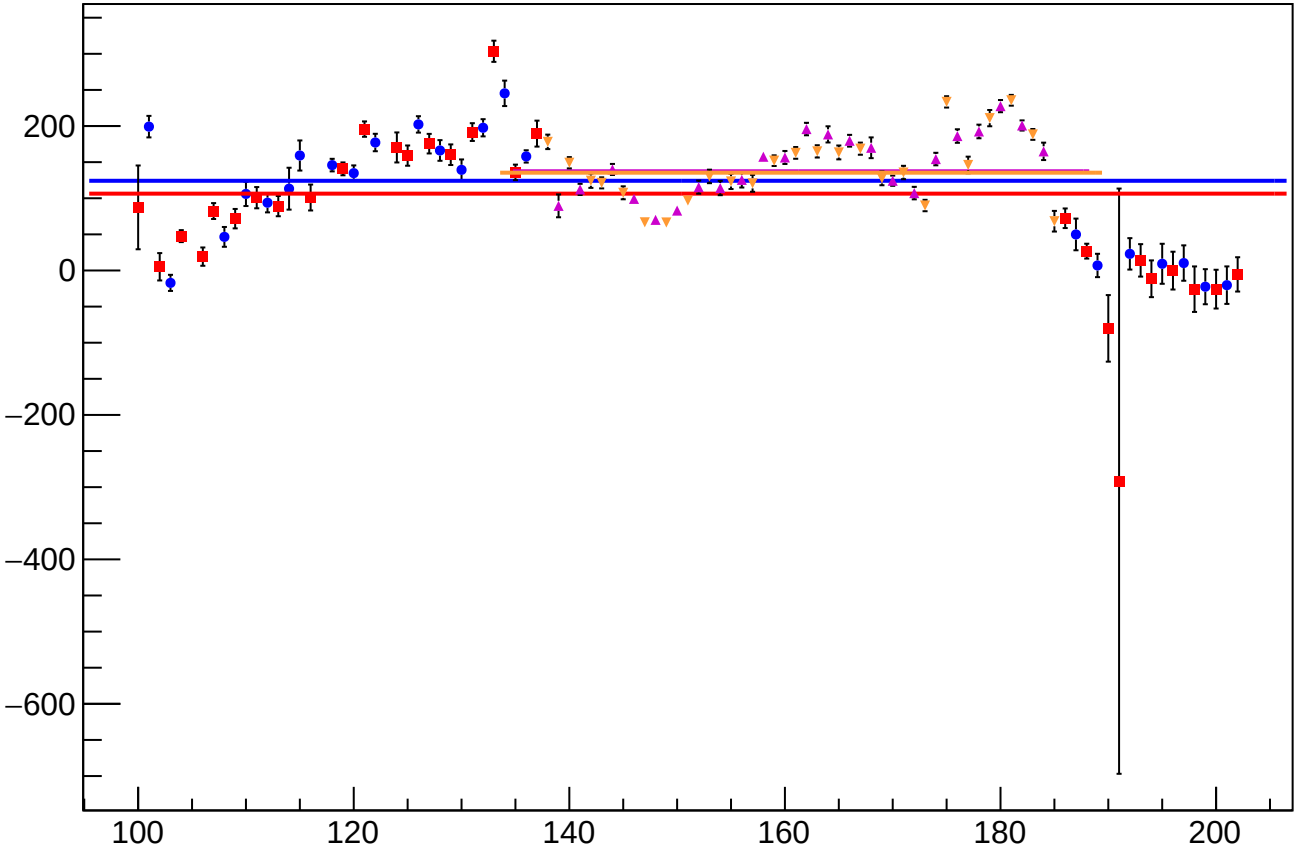
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 552.455+/-1.510 χ^2/NDF: 9140.4/47

All: 561.540+/-1.034 χ^2/NDF: 21569.1/99

- sign 569.553+/-1.418 χ^2/NDF: 12360.6/51

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 124.194+/-2.951 χ^2/NDF: 603.4/22

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 106.387+/-2.699 χ^2/NDF: 748.9/28

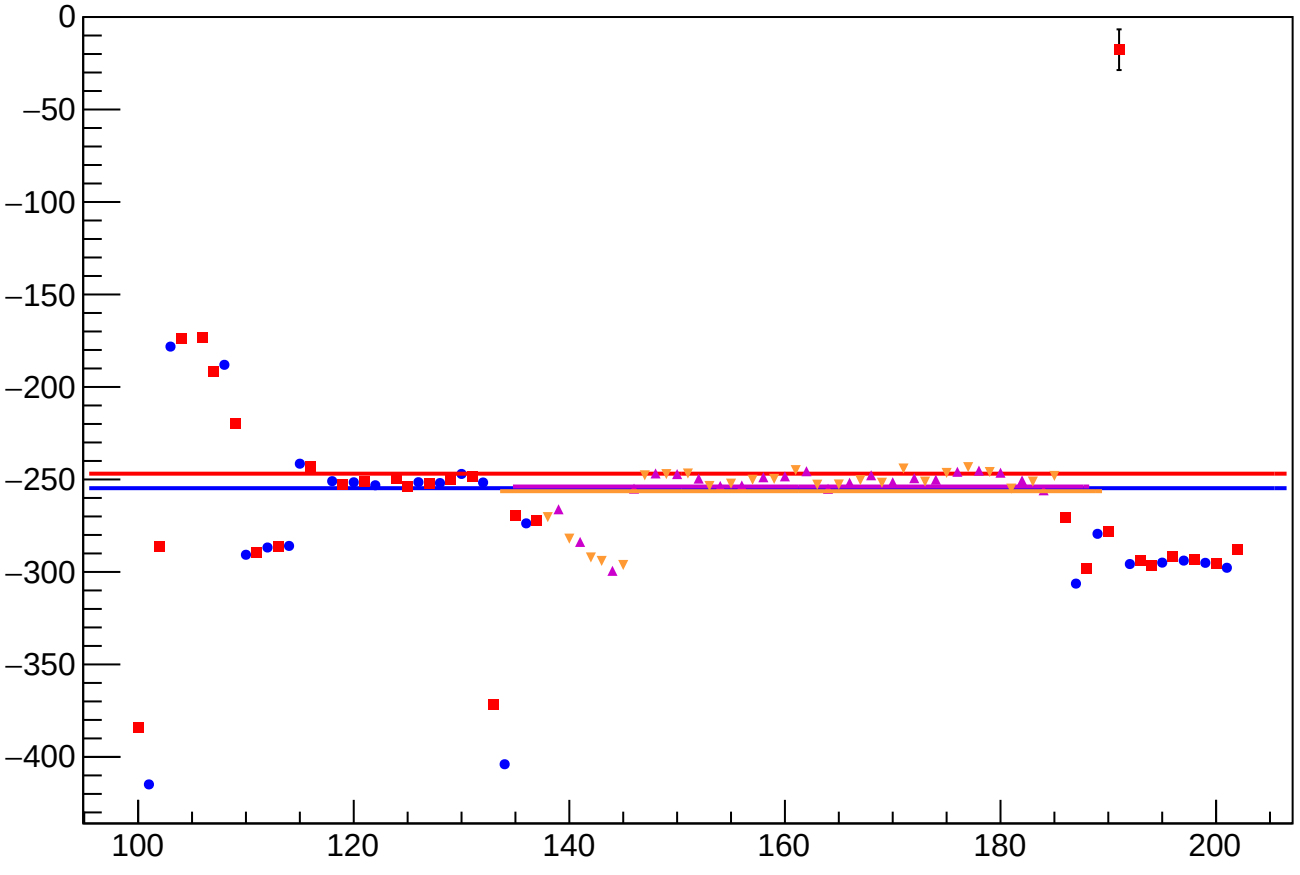
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 132.739+/-1.439 χ^2/NDF: 1537.6/47

All: 130.649+/-1.018 χ^2/NDF: 3091.0/99

- sign 128.559+/-1.440 χ^2/NDF: 1549.1/51

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -254.717+/-0.143 χ^2/NDF: 195800.4/22

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -246.875+/-0.134 χ^2/NDF: 145664.1/28

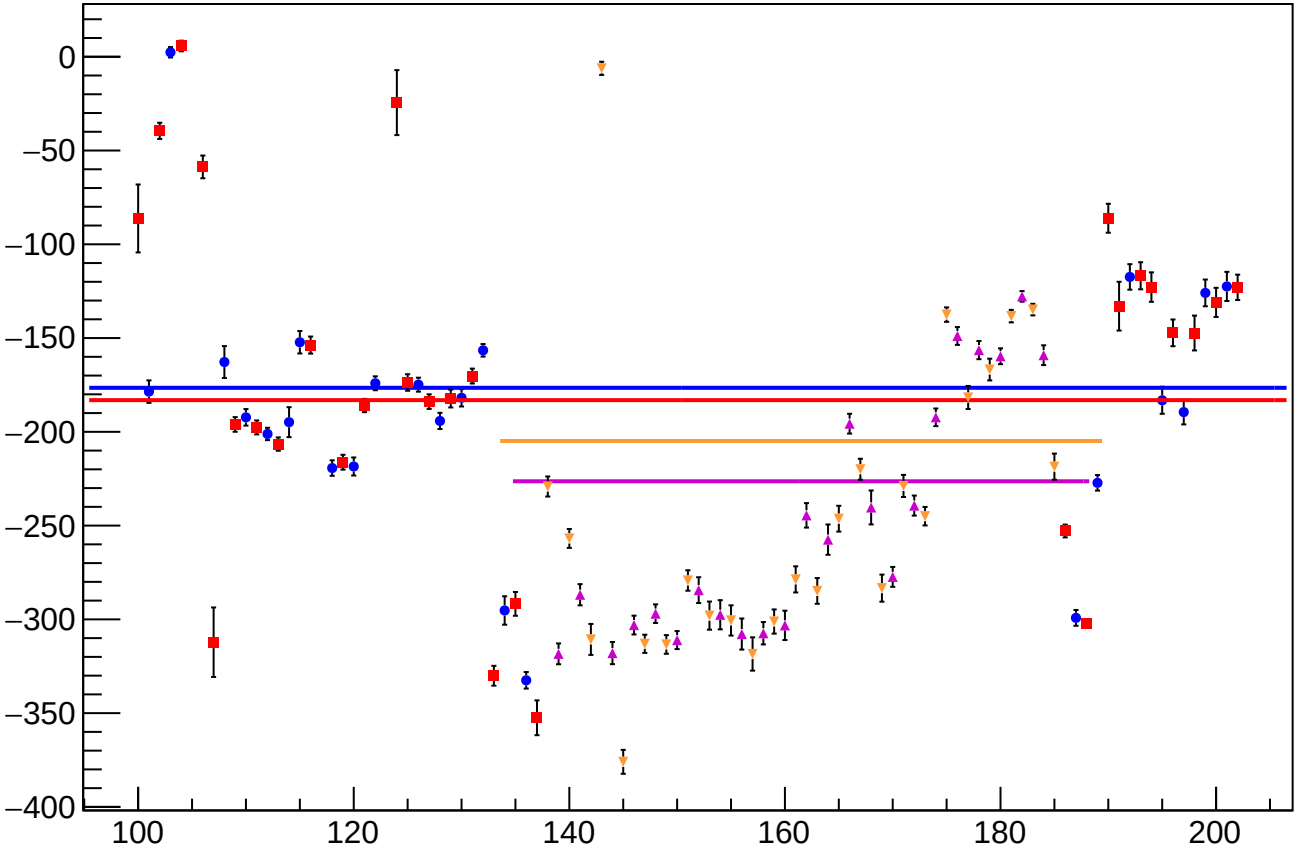
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

\+ sign -255.978+/-0.068 χ^2/NDF: 235414.2/47

All: -254.012+/-0.048 χ^2/NDF: 408826.3/99

\- sign -252.072+/-0.067 χ^2/NDF: 171741.1/51

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -176.520+/-0.963 χ^2/NDF: 7140.0/22

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -183.102+/-0.868 χ^2/NDF: 11355.9/28

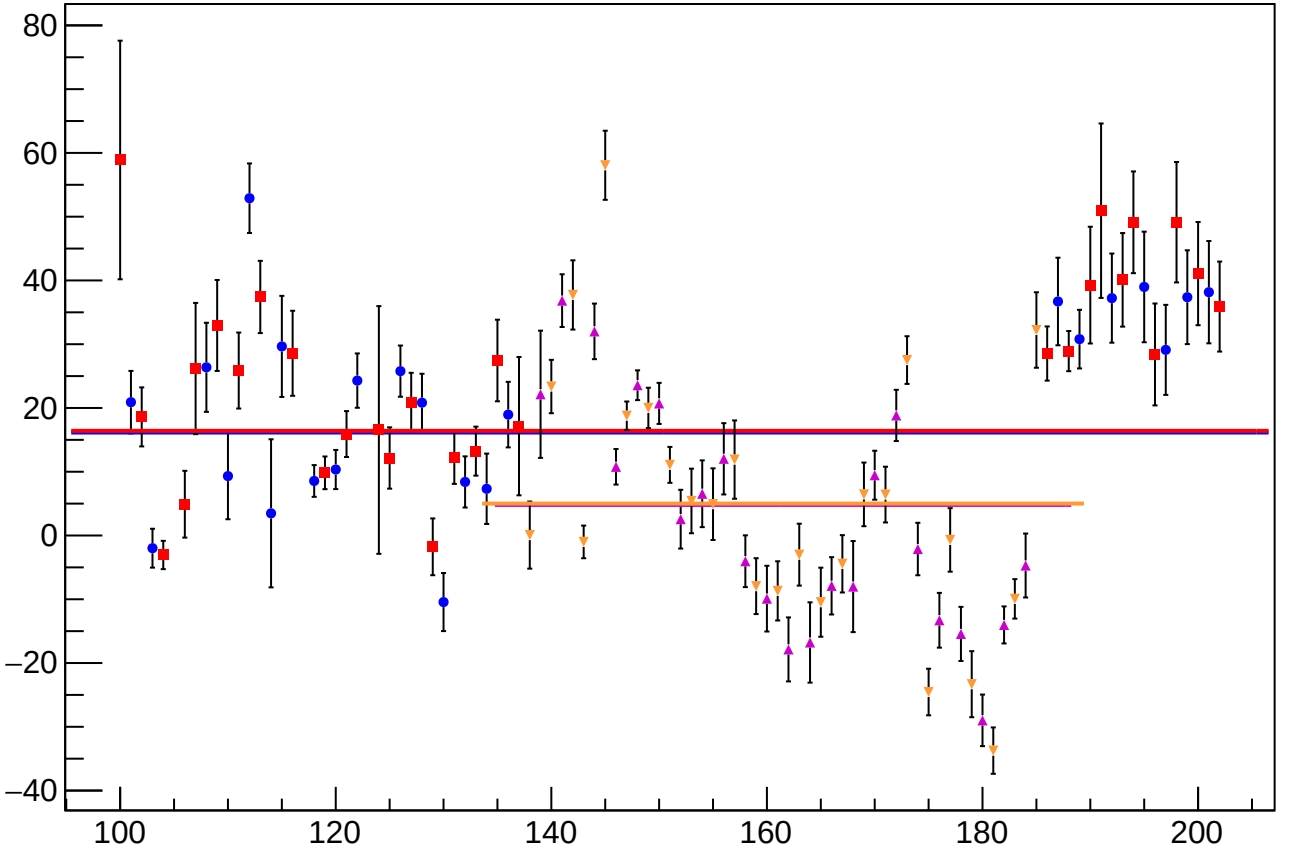
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -189.452+/-0.710 χ^2/NDF: 15362.2/47

All: -194.730+/-0.492 χ^2/NDF: 31991.6/99

- sign -199.604+/-0.682 χ^2/NDF: 16523.2/51

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 16.152+/-0.990 χ^2/NDF: 207.5/22

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 16.414+/-0.912 χ^2/NDF: 237.8/28

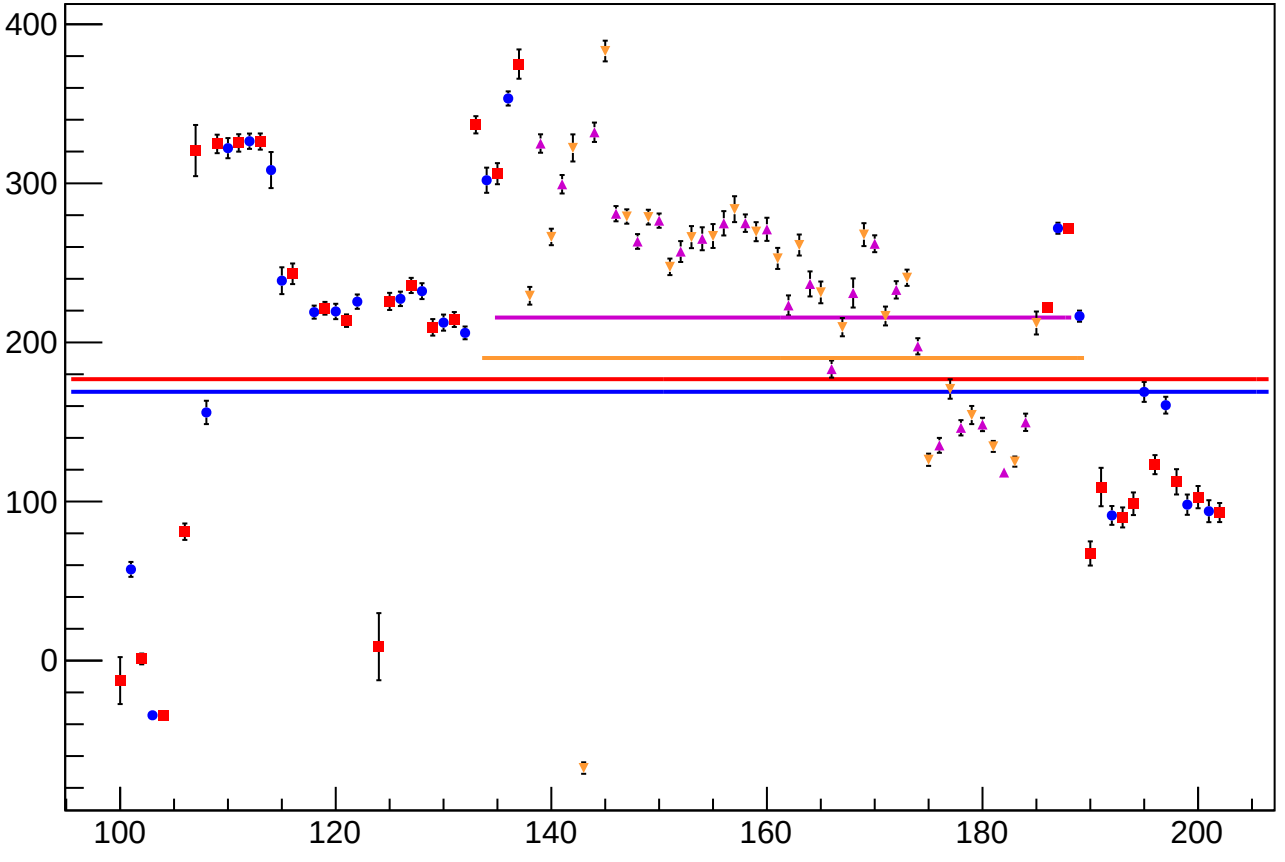
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 9.362+/-0.619 χ^2/NDF: 833.1/47

All: 9.767+/-0.438 χ^2/NDF: 1585.2/99

- sign 10.174+/-0.620 χ^2/NDF: 751.2/51

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 168.976+/-0.966 χ^2/NDF: 15487.8/22

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 176.910+/-0.842 χ^2/NDF: 20824.7/28

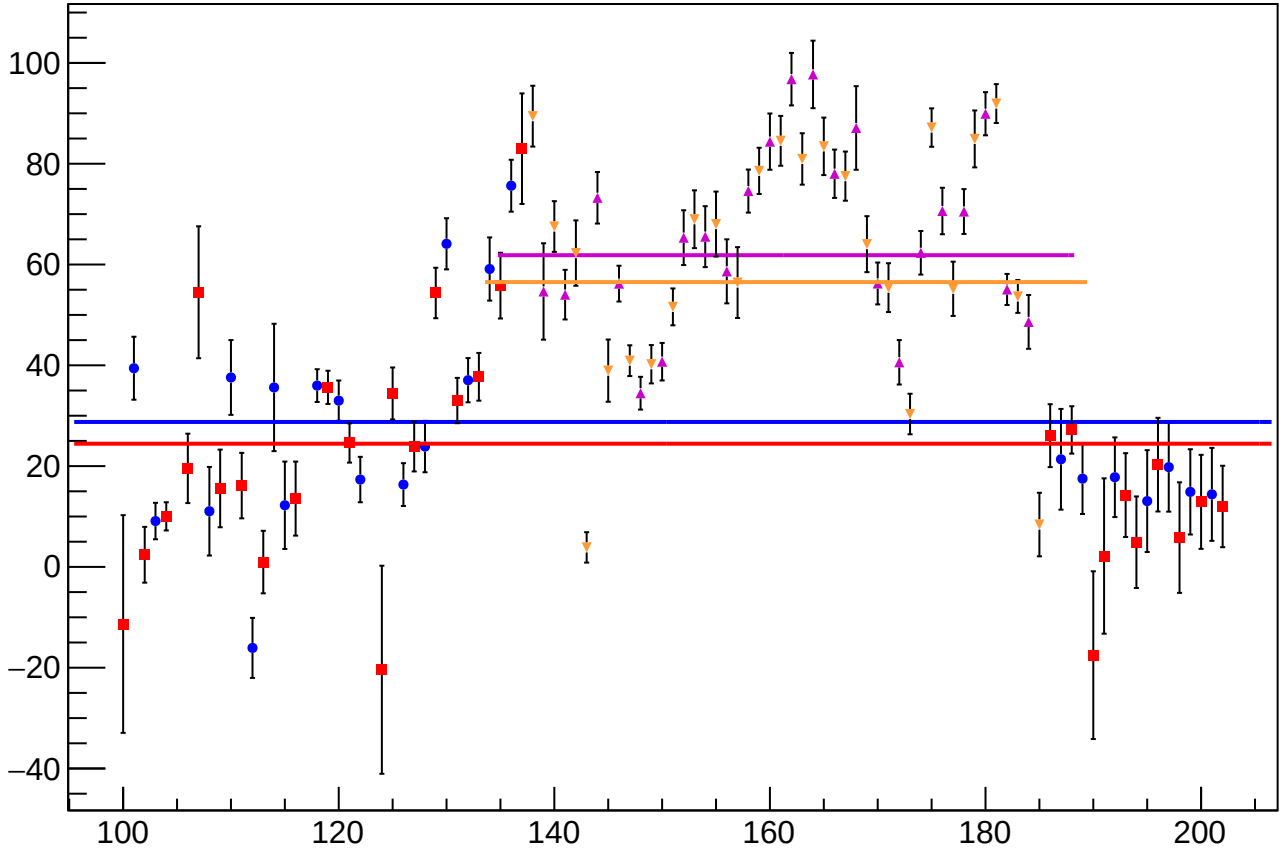
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 178.715+/-0.711 χ^2/NDF: 25093.4/47

All: 185.367+/-0.487 χ^2/NDF: 50752.9/99

- sign 191.240+/-0.668 χ^2/NDF: 25494.6/51

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 28.763+/-1.170 χ^2/NDF: 292.5/22

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

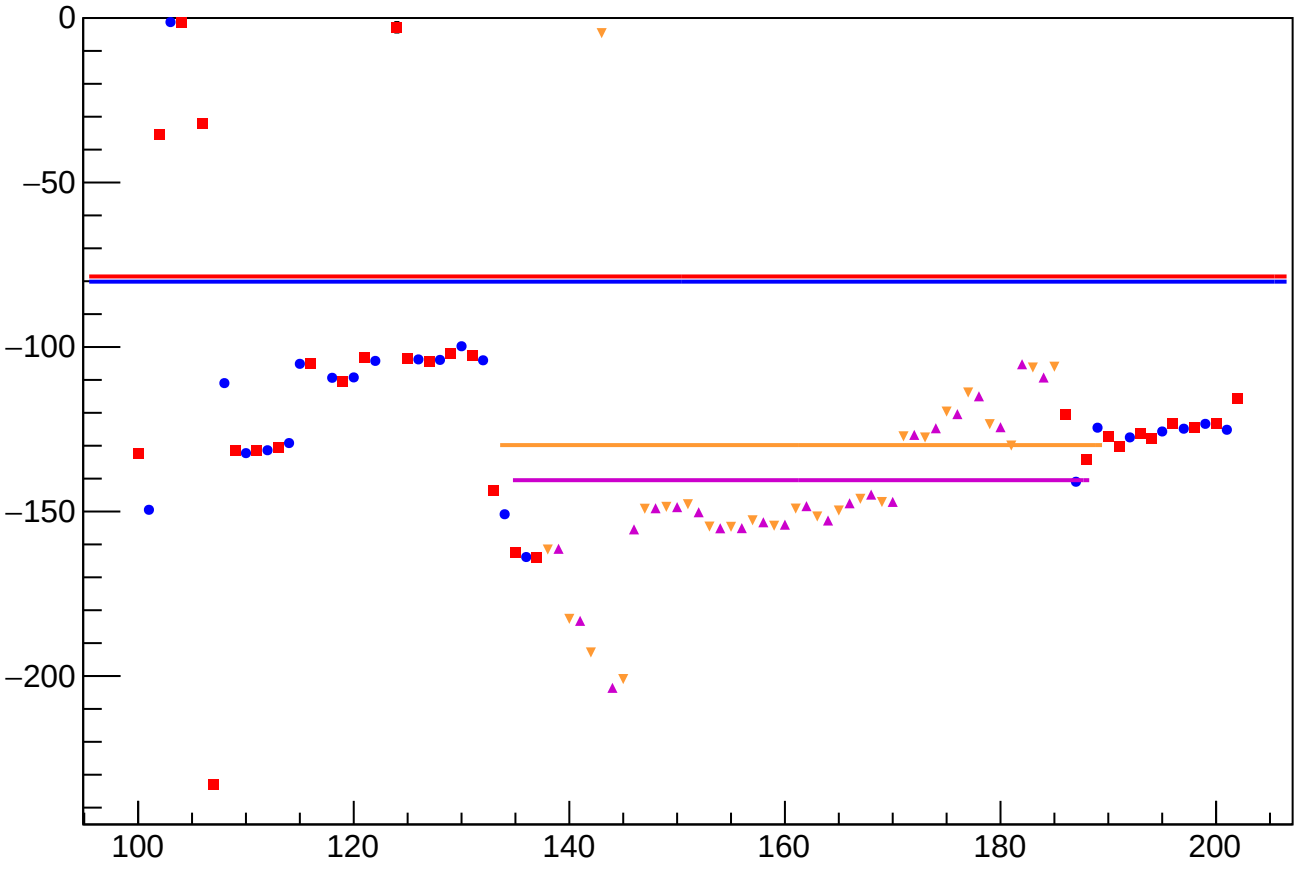
Right Out: 24.444+/-1.097 χ^2/NDF: 211.2/28

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 46.072+/-0.718 χ^2/NDF: 1442.0/47

All: 45.835+/-0.509 χ^2/NDF: 2632.0/99

- sign 45.594+/-0.723 χ^2/NDF: 1189.7/51



Right In: -80.133+/-0.055 χ^2/NDF: 1276580.8/22

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -78.554+/-0.052 χ^2/NDF: 1239886.3/28

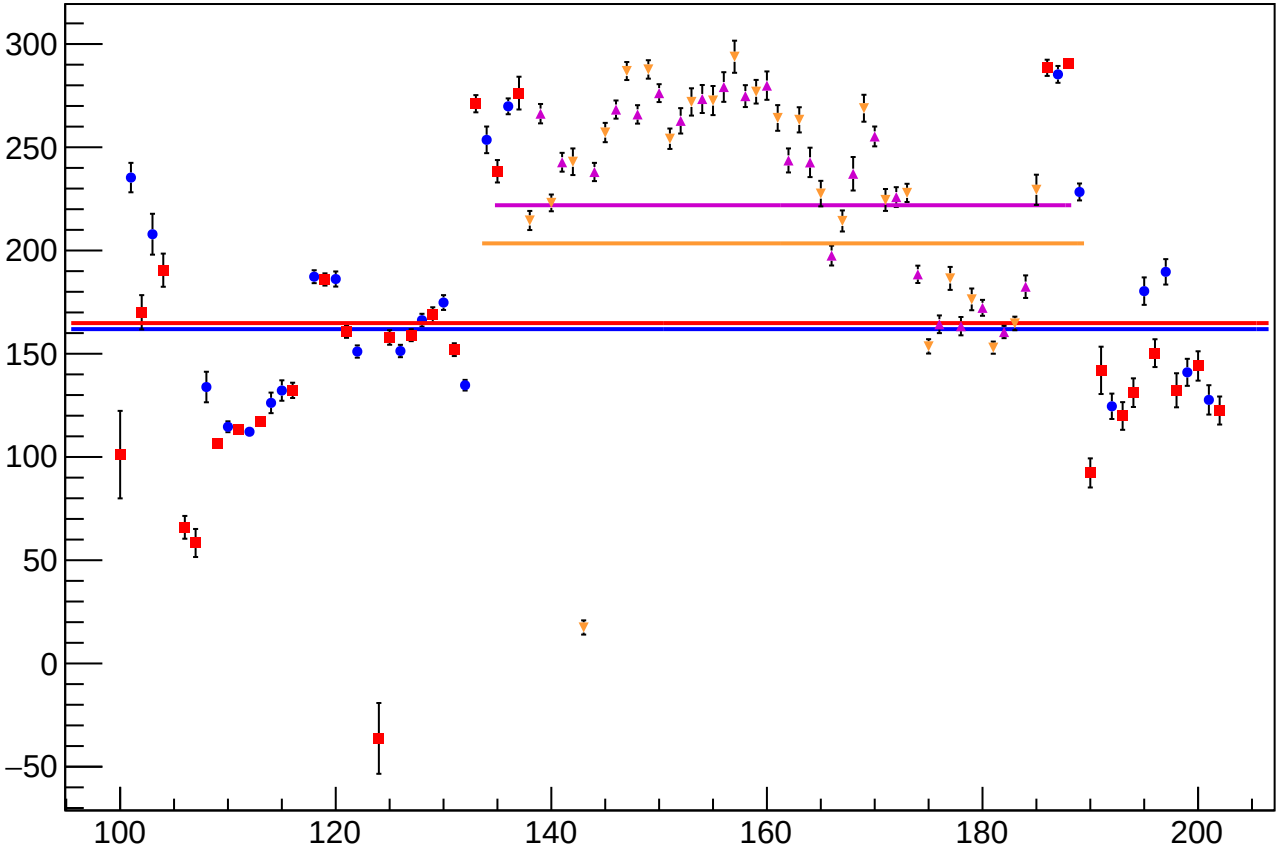
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.489+/-0.033 χ^2/NDF: 2813661.9/47

All: -113.101+/-0.024 χ^2/NDF: 5149874.6/99

- sign -114.701+/-0.033 χ^2/NDF: 2331598.8/51

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 161.919+/-0.800 χ^2/NDF: 3637.9/22

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 164.841+/-0.728 χ^2/NDF: 8091.8/28

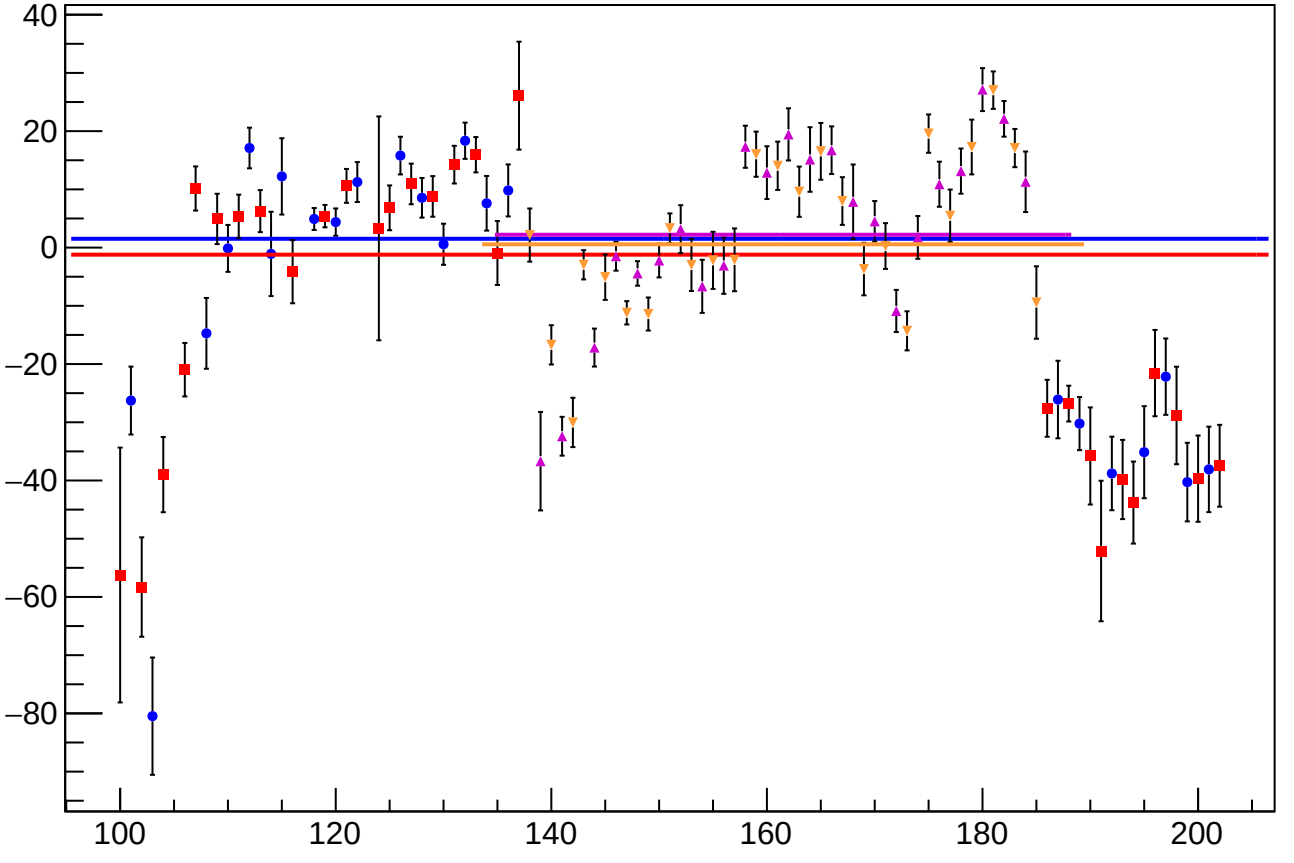
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

\+ sign 179.092+/-0.613 χ^2/NDF: 10243.5/47

All: 181.915+/-0.425 χ^2/NDF: 22485.4/99

\- sign 184.523+/-0.589 χ^2/NDF: 12201.0/51

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 1.515+/-0.834 χ^2/NDF: 398.5/22

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -1.214+/-0.804 χ^2/NDF: 513.0/28

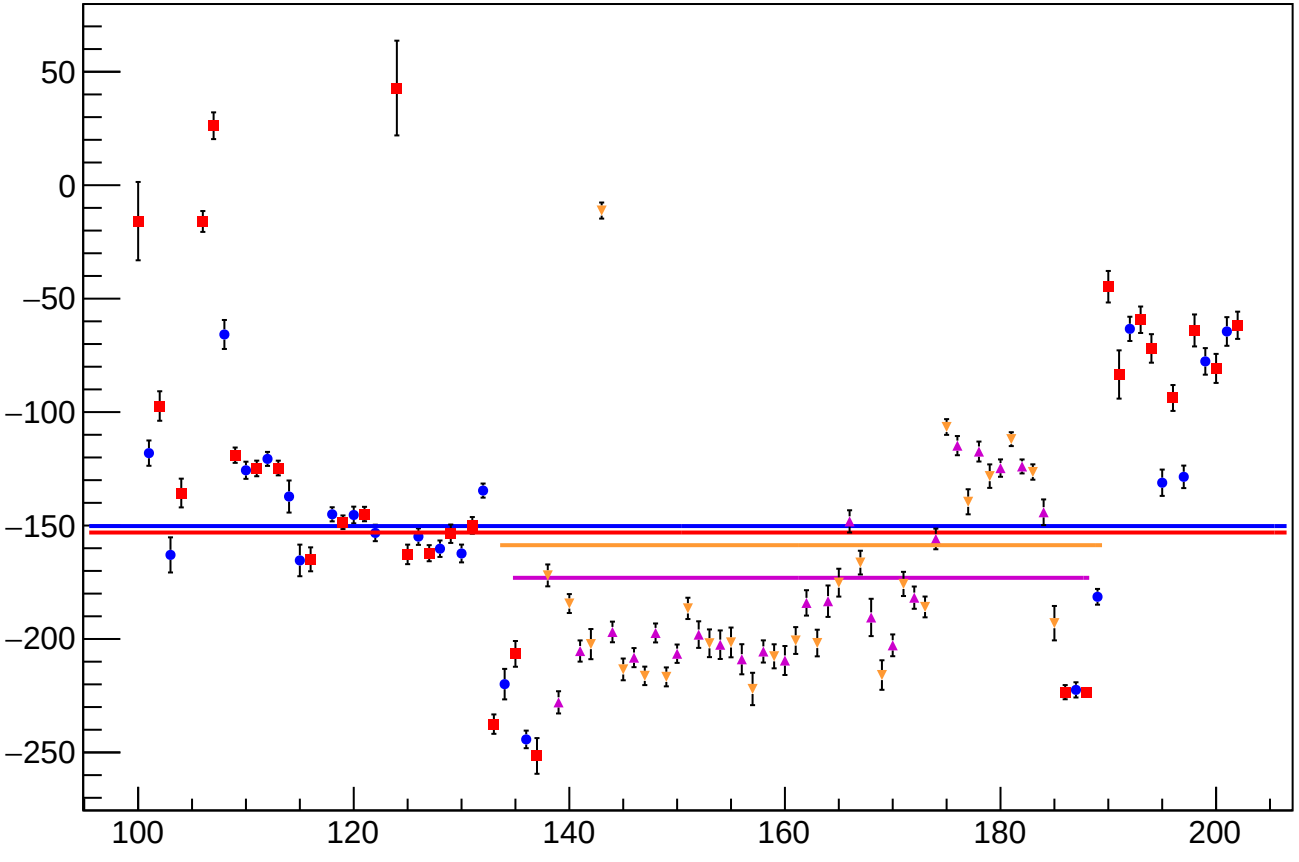
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 0.970+/-0.543 χ^2/NDF: 744.7/47

All: 0.785+/-0.387 χ^2/NDF: 1625.6/99

- sign 0.595+/-0.552 χ^2/NDF: 880.7/51

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -150.234+/-0.883 χ^2/NDF: 2276.6/22

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -153.080+/-0.784 χ^2/NDF: 6403.0/28

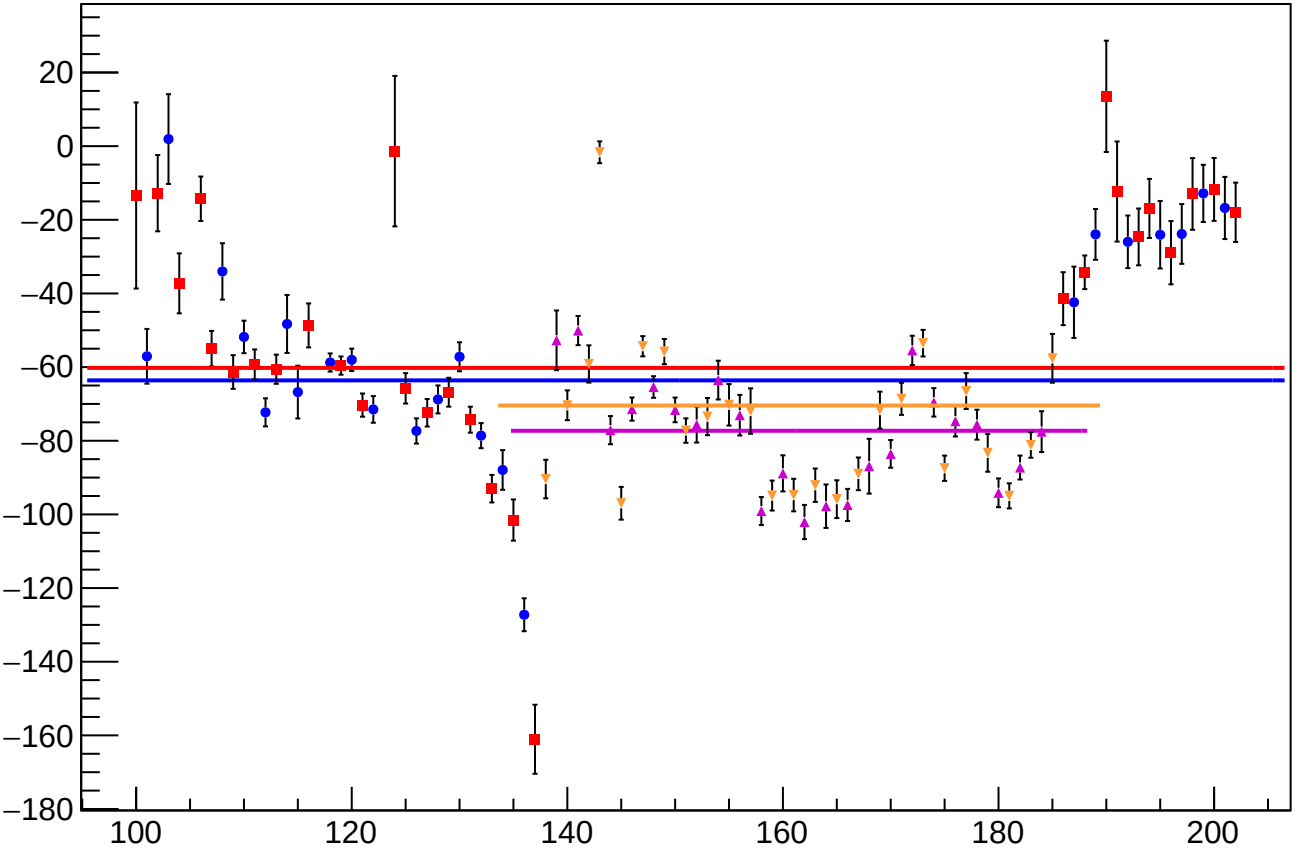
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -154.136+/-0.647 χ^2/NDF: 5810.5/47

All: -157.592+/-0.446 χ^2/NDF: 13915.9/99

- sign -160.726+/-0.616 χ^2/NDF: 8051.0/51

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -63.604+/-0.978 χ^2/NDF: 517.6/22

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -60.210+/-0.946 χ^2/NDF: 614.7/28

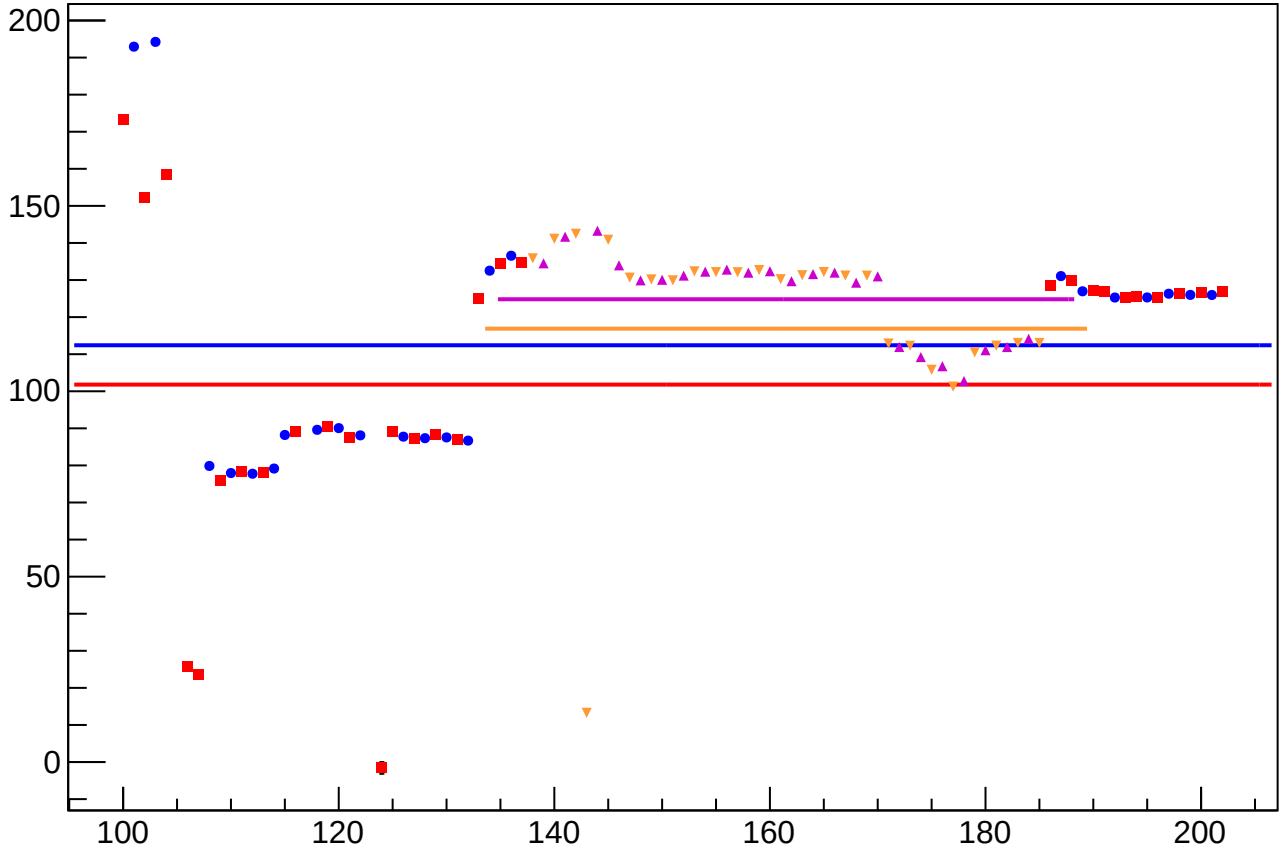
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -67.605+/-0.629 χ^2/NDF: 1447.8/47

All: -68.541+/-0.448 χ^2/NDF: 2498.6/99

- sign -69.508+/-0.639 χ^2/NDF: 1046.3/51

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 112.410+/-0.058 χ^2/NDF: 267331.2/22

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 101.798+/-0.052 χ^2/NDF: 502678.4/28

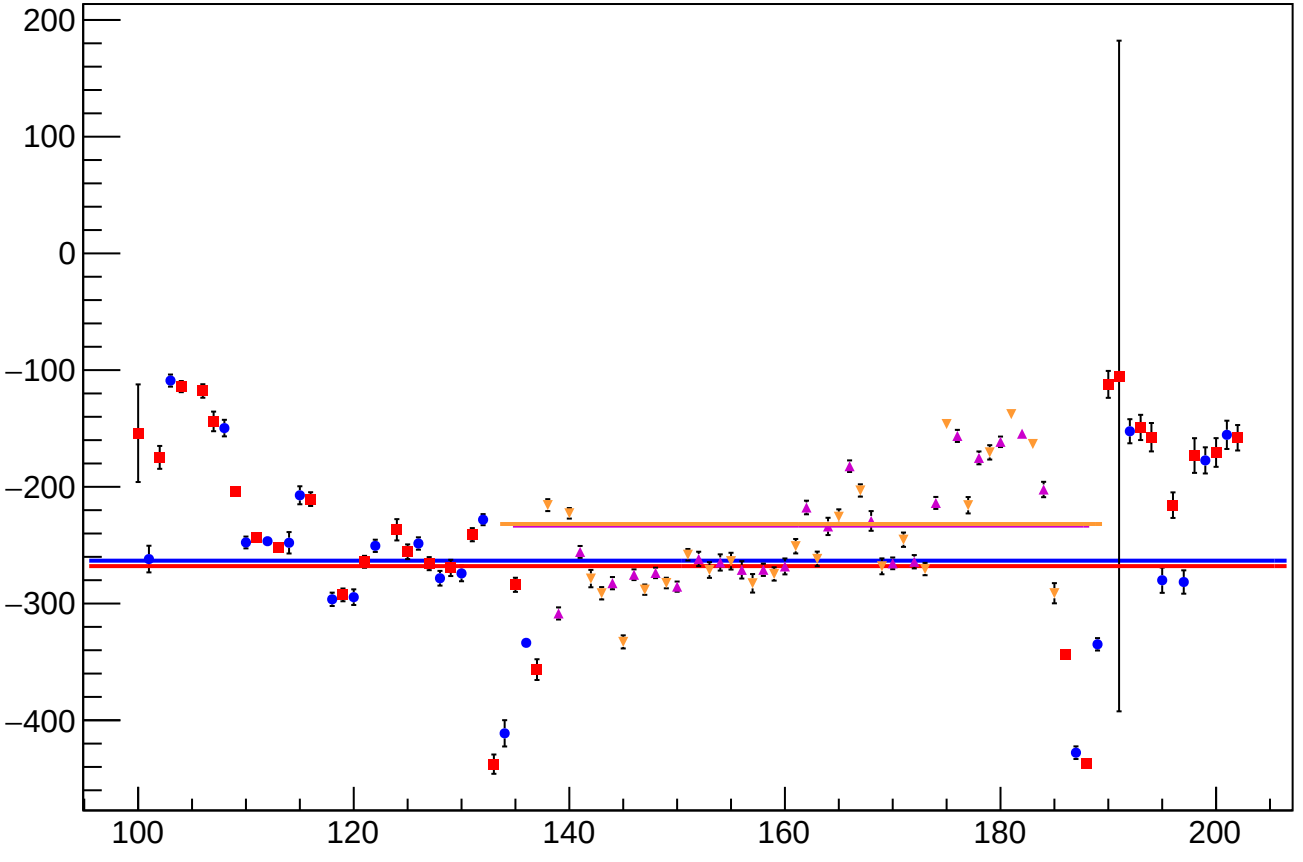
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 115.531+/-0.032 χ^2/NDF: 894598.6/47

All: 116.035+/-0.022 χ^2/NDF: 1609306.9/99

- sign 116.527+/-0.031 χ^2/NDF: 714213.6/51

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -263.269+/-1.296 χ^2/NDF: 3176.1/22

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -267.935+/-1.122 χ^2/NDF: 7418.2/28

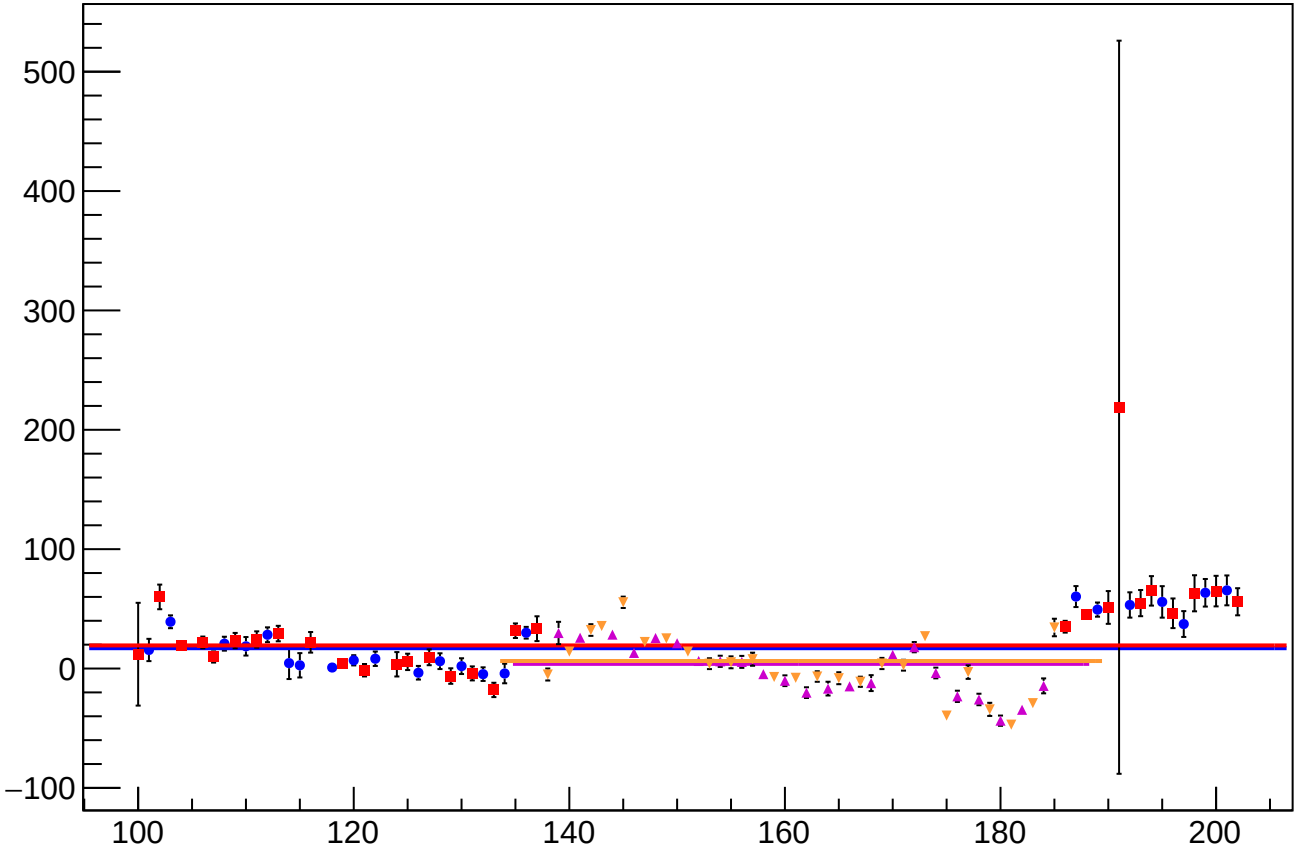
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -244.732+/-0.830 χ^2/NDF: 6199.7/47

All: -247.696+/-0.571 χ^2/NDF: 16192.9/99

- sign -250.372+/-0.788 χ^2/NDF: 9968.9/51

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 17.031+/-1.360 χ^2/NDF: 211.0/22

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 19.357+/-1.210 χ^2/NDF: 260.9/28

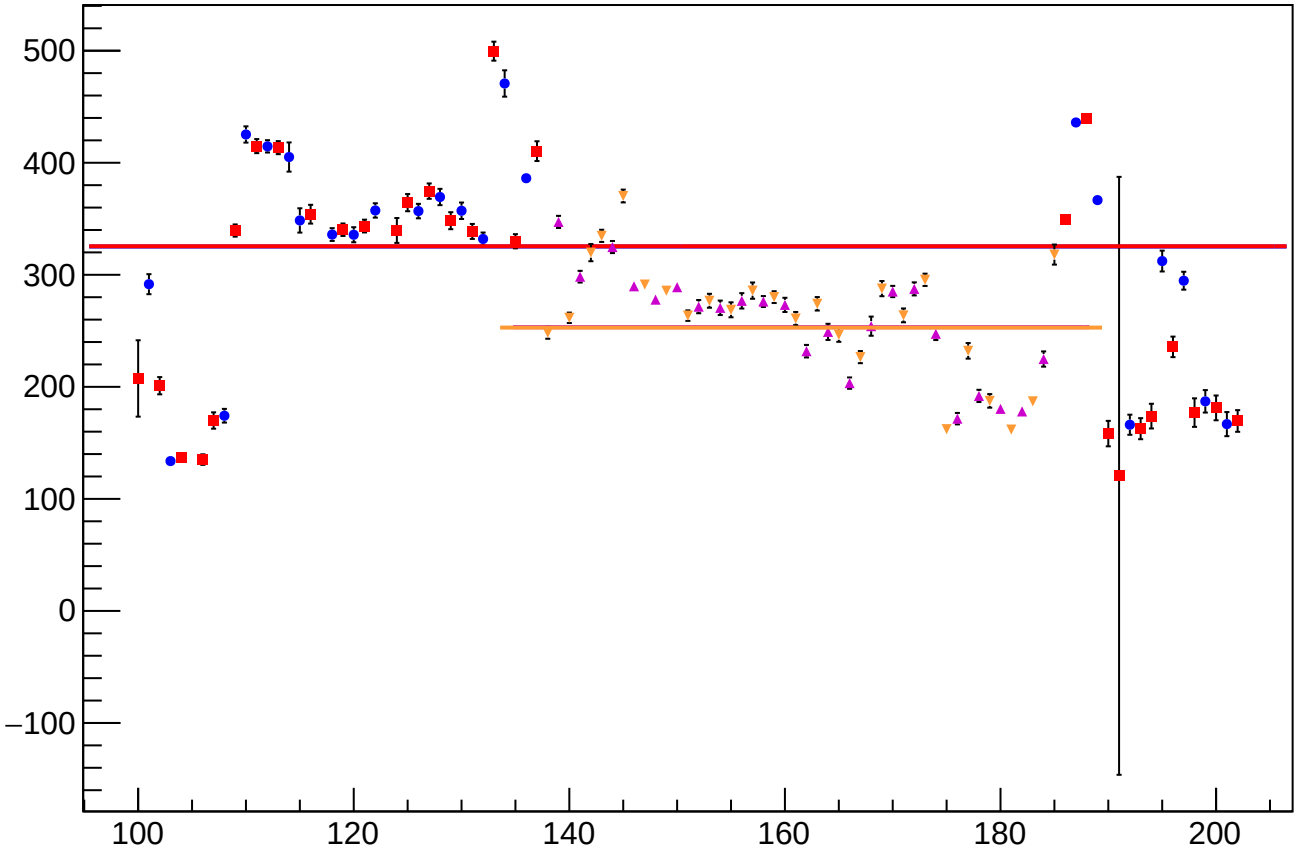
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 8.994+/-0.683 χ^2/NDF: 1129.2/47

All: 8.873+/-0.481 χ^2/NDF: 2152.4/99

- sign 8.754+/-0.678 χ^2/NDF: 1023.1/51

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 325.226+/-1.340 χ^2/NDF: 5252.3/22

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 325.489+/-1.117 χ^2/NDF: 9745.6/28

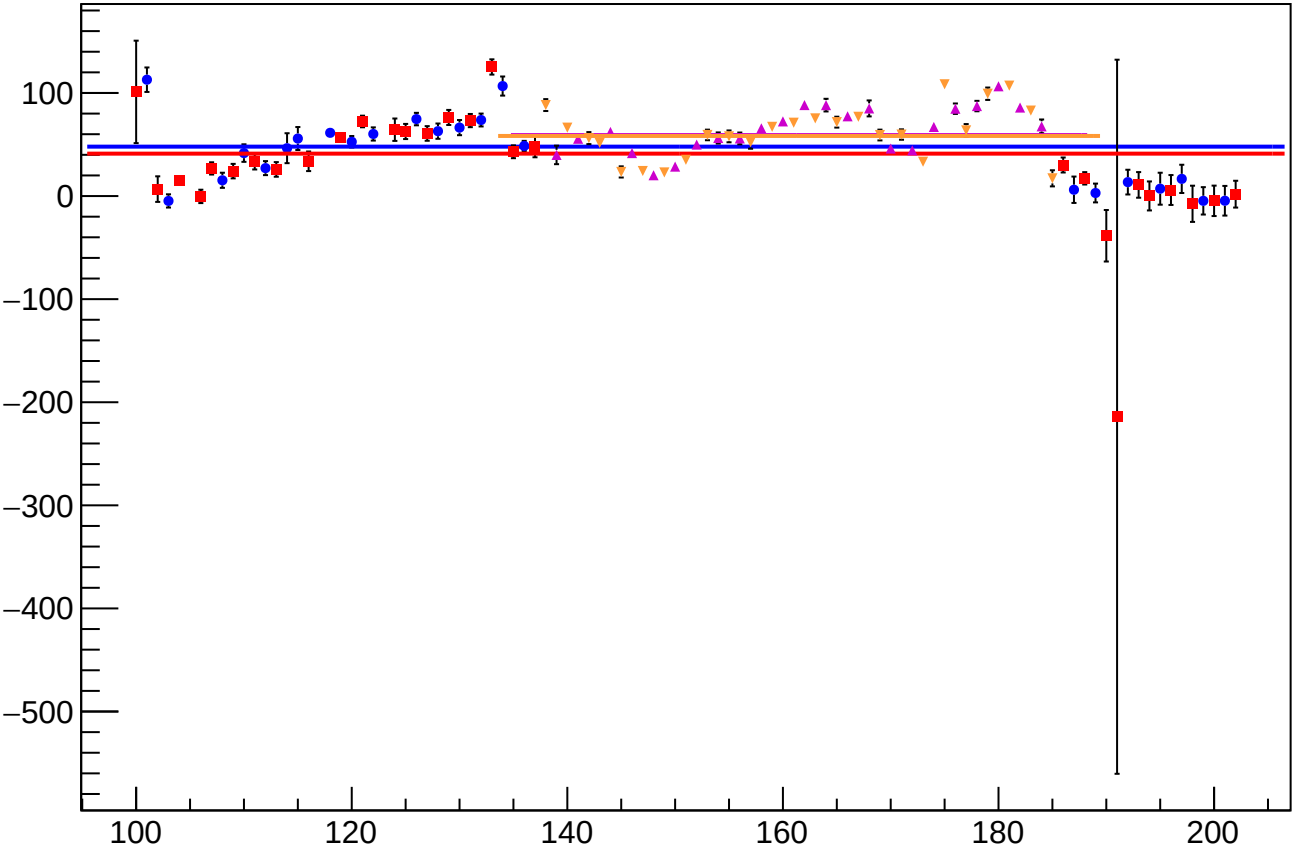
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 281.073+/-0.836 χ^2/NDF: 9610.7/47

All: 285.099+/-0.571 χ^2/NDF: 23596.2/99

- sign 288.611+/-0.781 χ^2/NDF: 13942.1/51

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 47.940+/-1.598 χ^2/NDF: 312.3/22

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 41.145+/-1.455 χ^2/NDF: 413.4/28

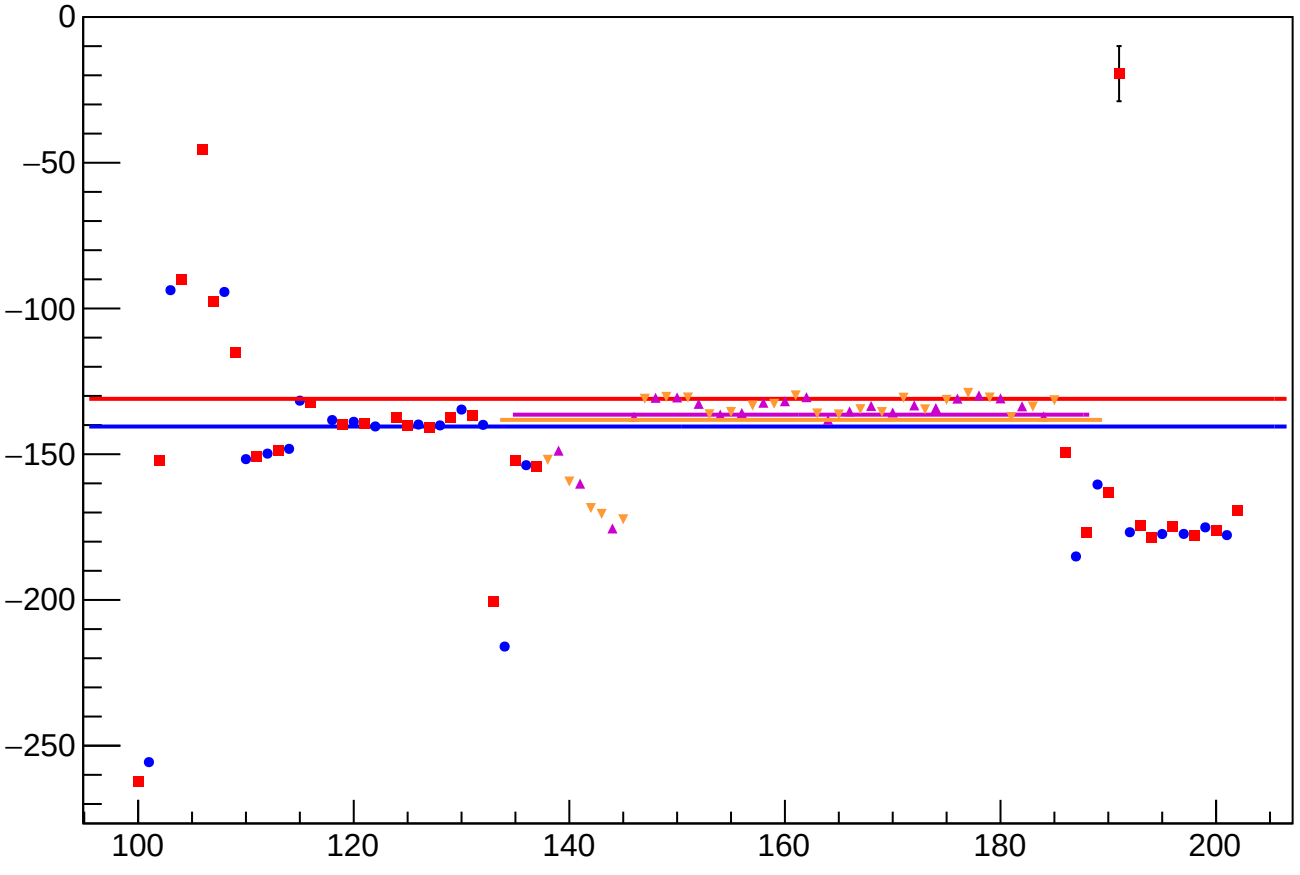
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 55.762+/-0.792 χ^2/NDF: 1194.3/47

All: 54.809+/-0.559 χ^2/NDF: 2351.1/99

- sign 53.863+/-0.789 χ^2/NDF: 1153.9/51

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -140.498+/-0.080 χ^2/NDF: 230699.5/22

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -131.000+/-0.073 χ^2/NDF: 326445.6/28

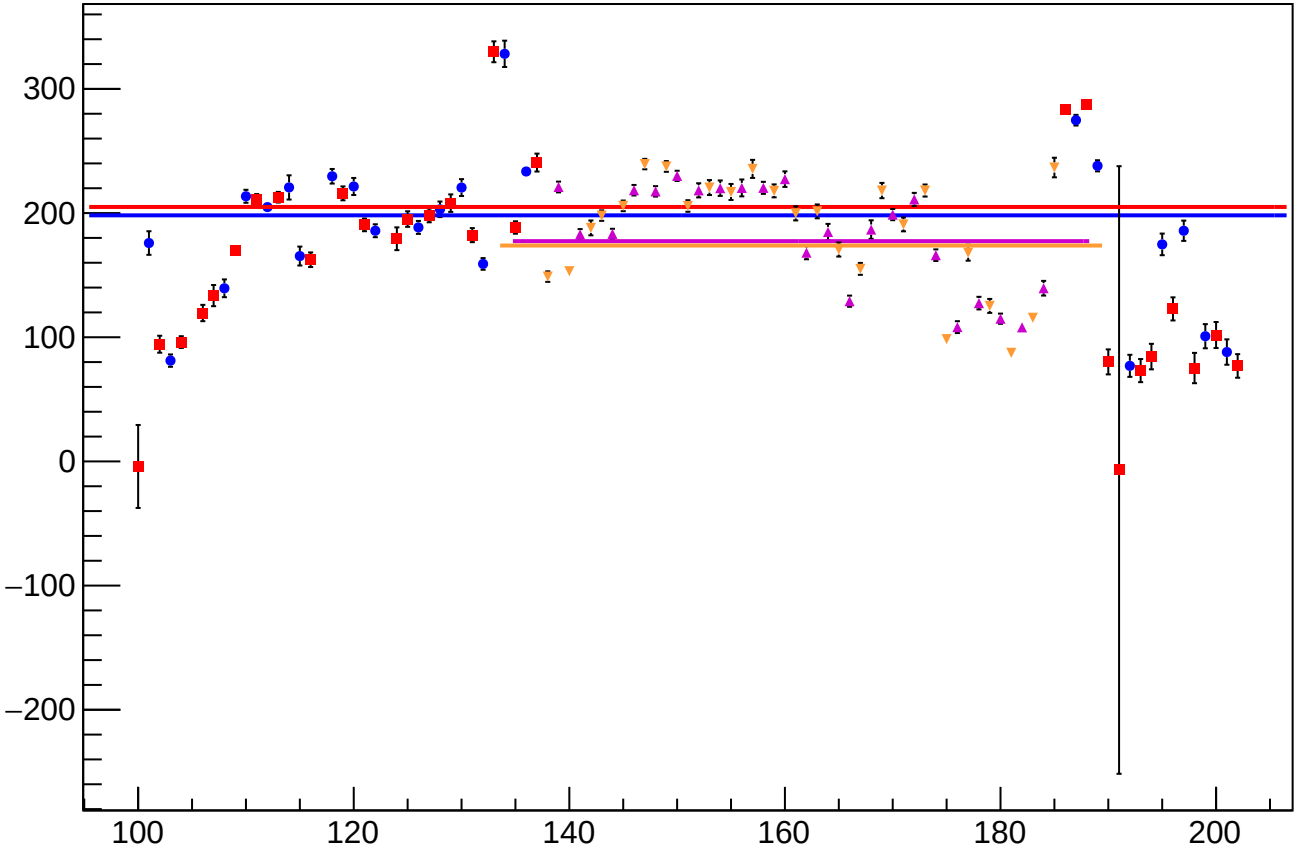
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -138.721+/-0.038 χ^2/NDF: 313163.0/47

All: -136.861+/-0.026 χ^2/NDF: 698323.3/99

- sign -135.051+/-0.037 χ^2/NDF: 380312.9/51

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 198.178+/-1.221 χ^2/NDF: 1853.0/22

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 204.927+/-1.052 χ^2/NDF: 4193.3/28

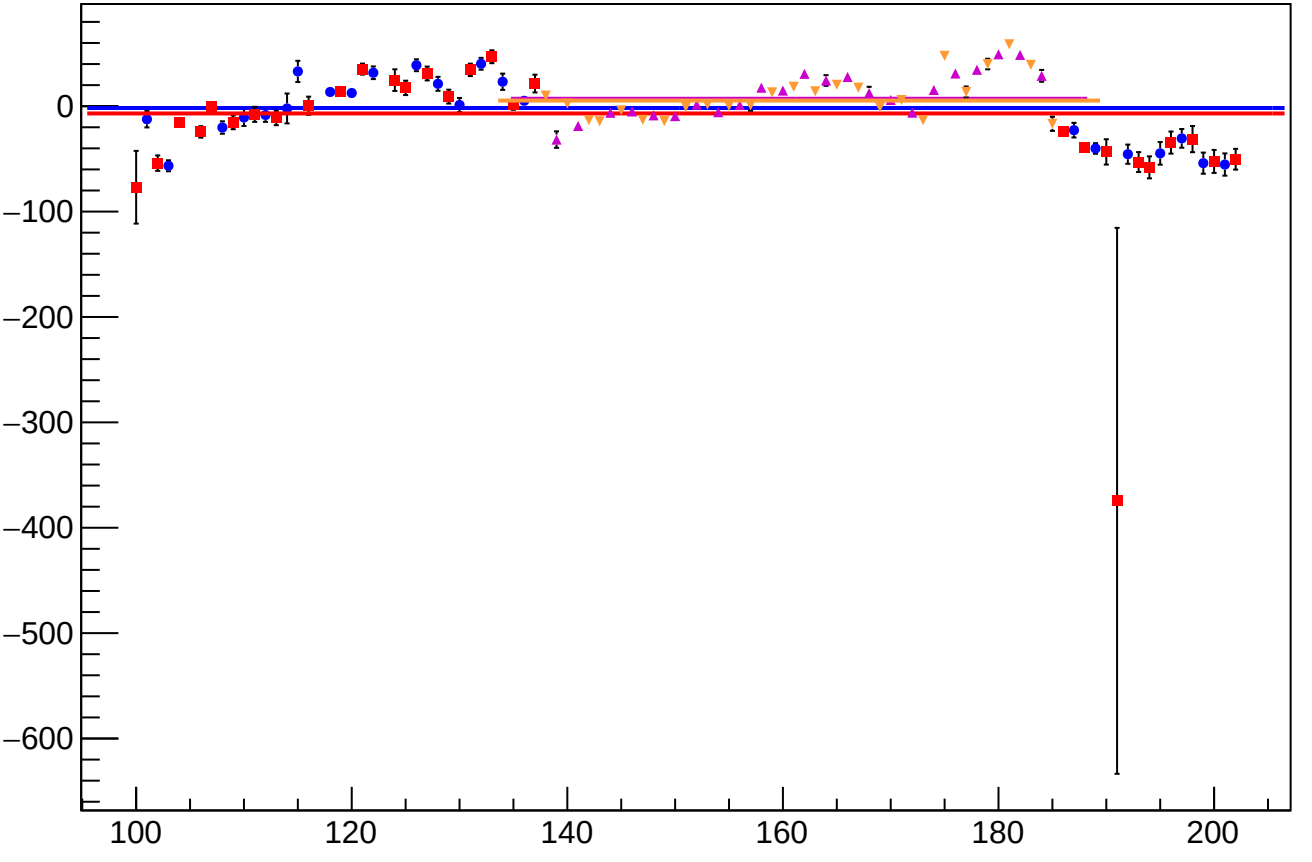
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 183.172+/-0.756 χ^2/NDF: 4725.2/47

All: 186.948+/-0.522 χ^2/NDF: 11290.4/99

- sign 190.406+/-0.723 χ^2/NDF: 6517.4/51

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -1.692+/-1.299 χ^2/NDF: 499.2/22

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -6.879+/-1.153 χ^2/NDF: 588.9/28

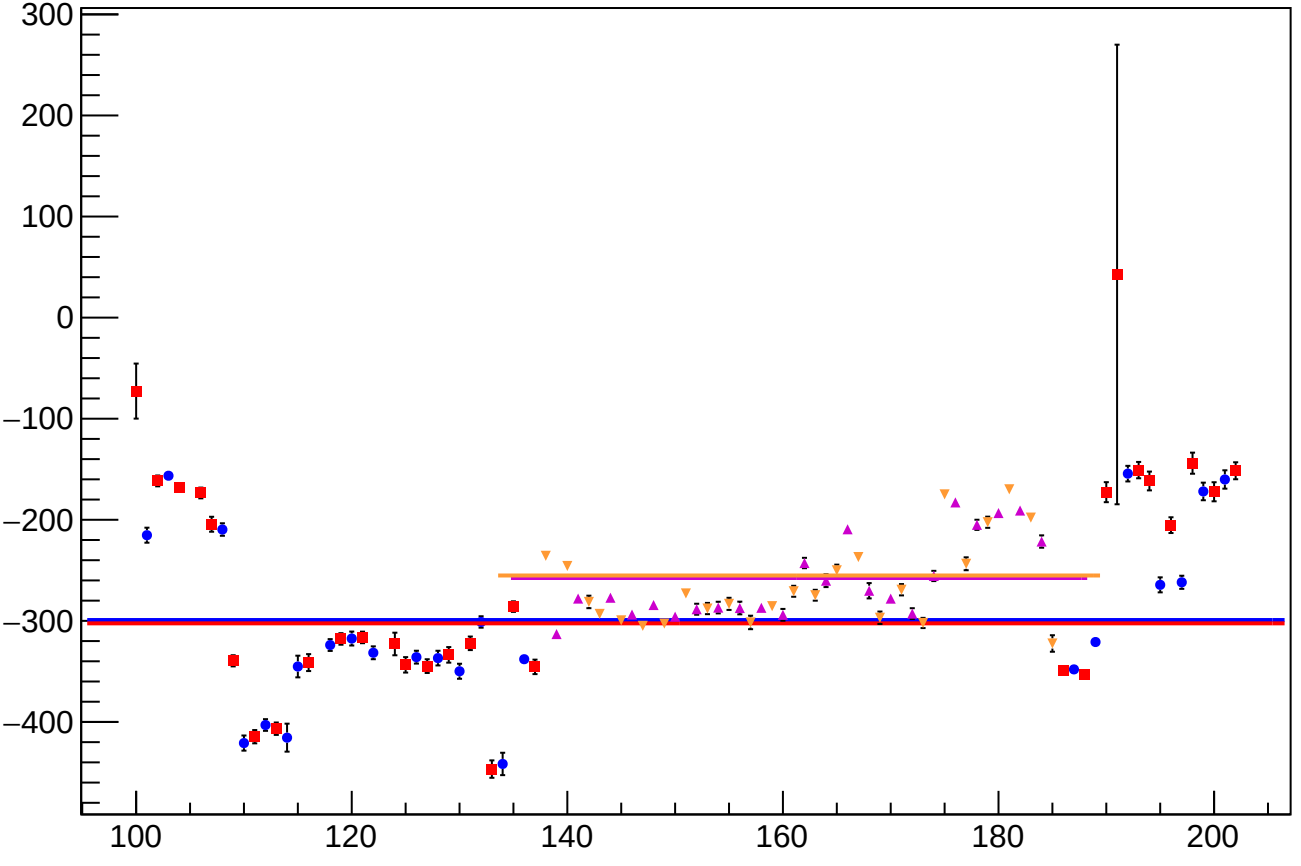
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 3.739+/-0.623 χ^2/NDF: 1331.8/47

All: 3.360+/-0.441 χ^2/NDF: 2734.6/99

- sign 2.982+/-0.624 χ^2/NDF: 1402.0/51

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -299.182+/-1.227 χ^2/NDF: 3874.5/22

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -302.464+/-1.015 χ^2/NDF: 6548.5/28

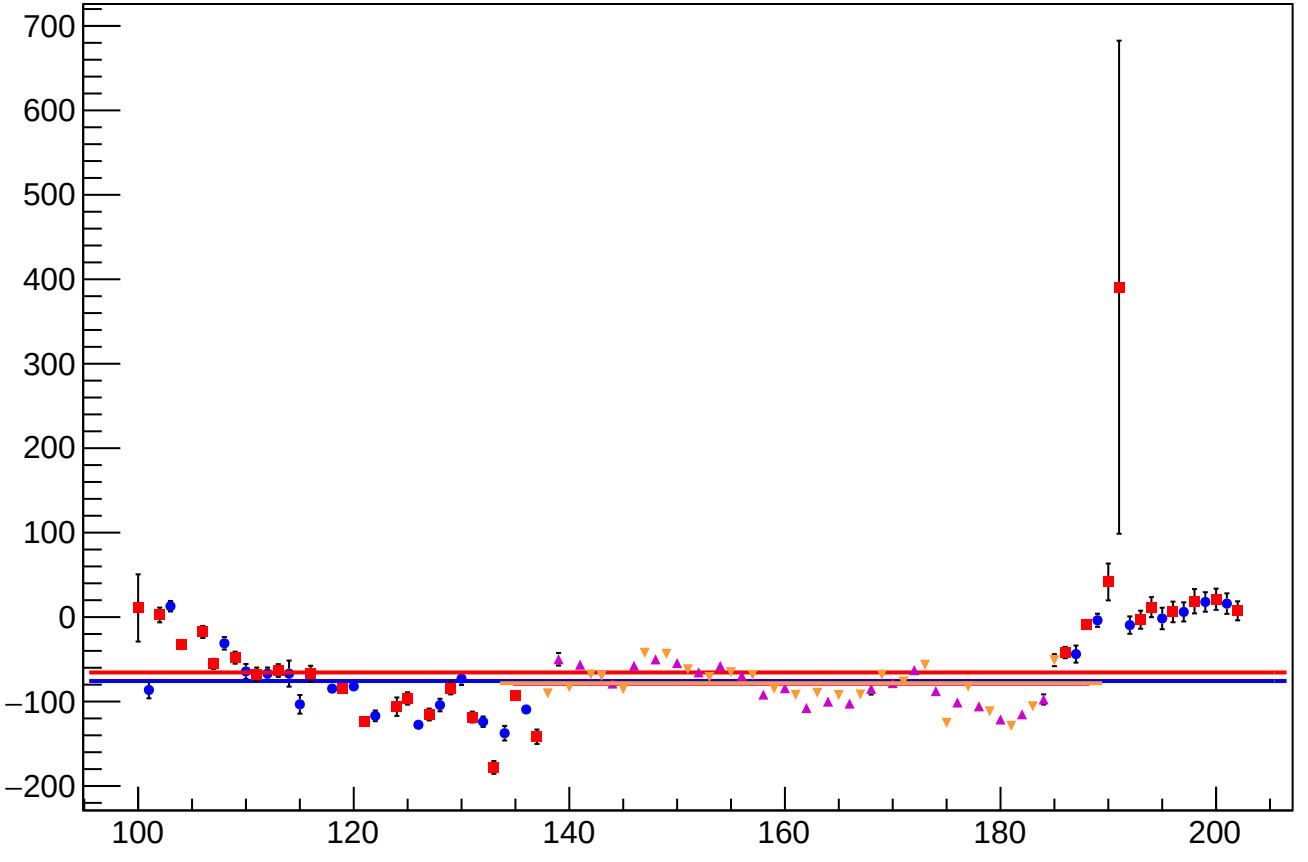
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -271.769+/-0.754 χ^2/NDF: 7021.3/47

All: -275.813+/-0.516 χ^2/NDF: 16438.6/99

- sign -279.363+/-0.707 χ^2/NDF: 9363.3/51

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -75.693+/-1.527 χ^2/NDF: 913.4/22

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -65.566+/-1.393 χ^2/NDF: 1186.0/28

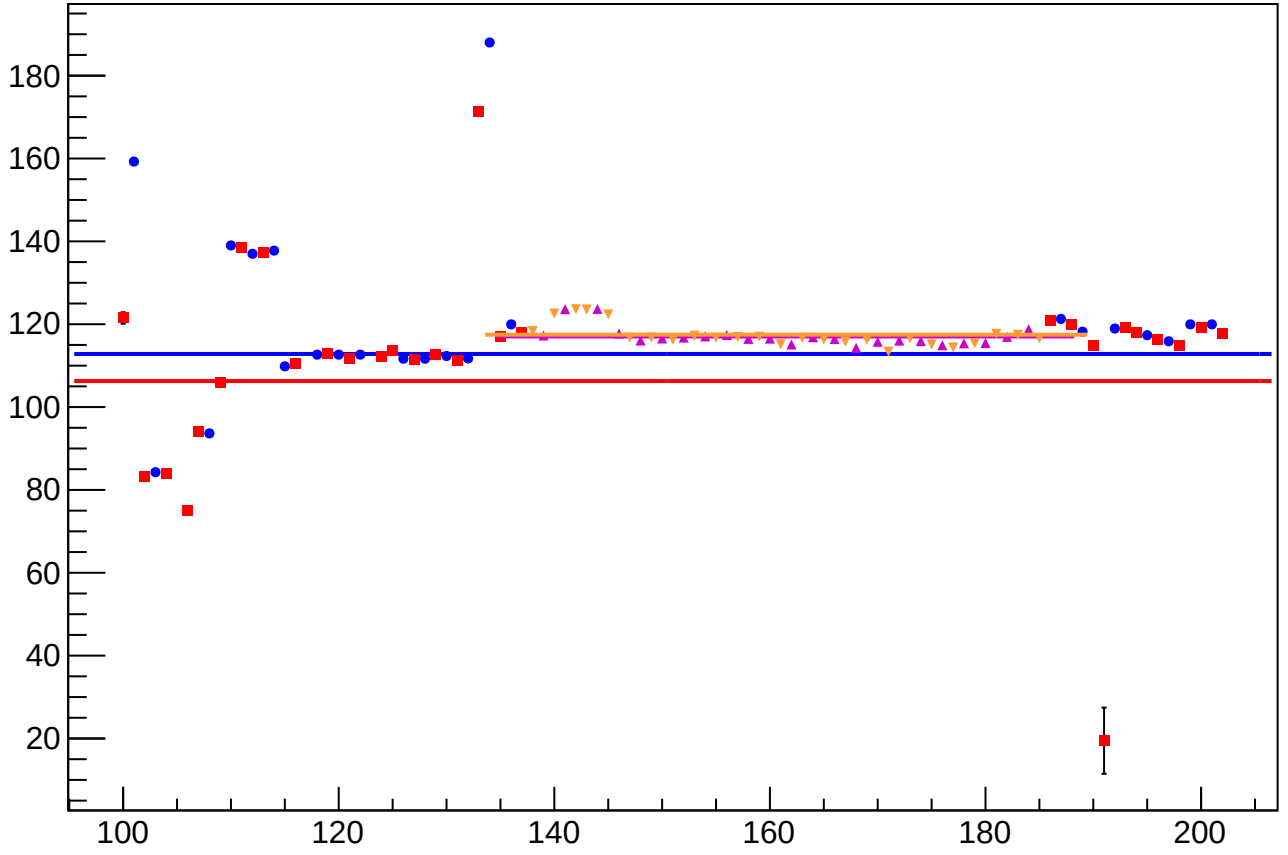
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

\+ sign -77.712+/-0.722 χ^2/NDF: 1783.8/47

All: -76.567+/-0.511 χ^2/NDF: 3745.9/99

\- sign -75.412+/-0.725 χ^2/NDF: 1957.1/51

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.820+/-0.073 χ^2/NDF: 86022.4/22

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 106.281+/-0.067 χ^2/NDF: 76490.3/28

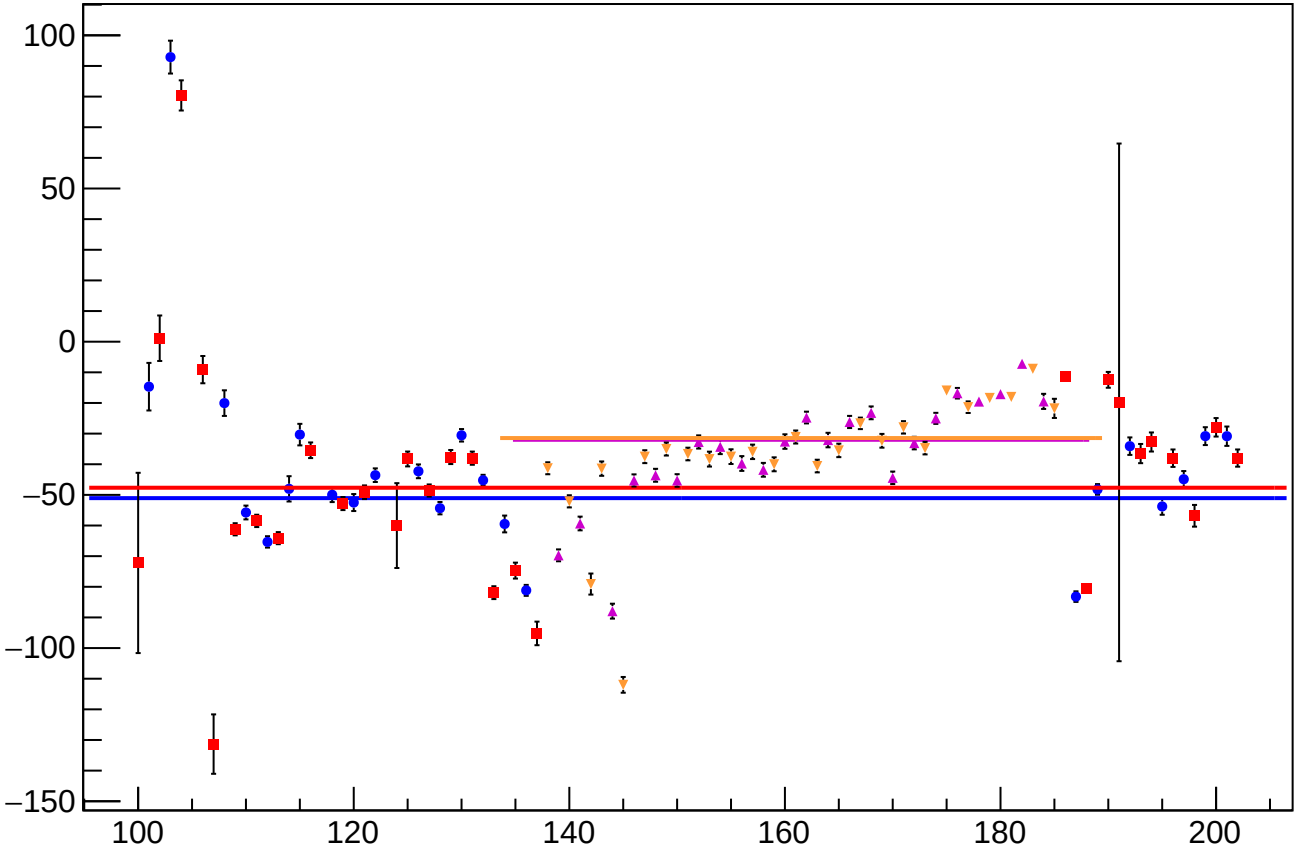
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.493+/-0.034 χ^2/NDF: 93932.6/47

All: 115.433+/-0.024 χ^2/NDF: 194923.9/99

- sign 114.388+/-0.034 χ^2/NDF: 99031.5/51

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -51.061+/-0.502 χ^2/NDF: 1810.4/22

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -47.666+/-0.429 χ^2/NDF: 4194.5/28

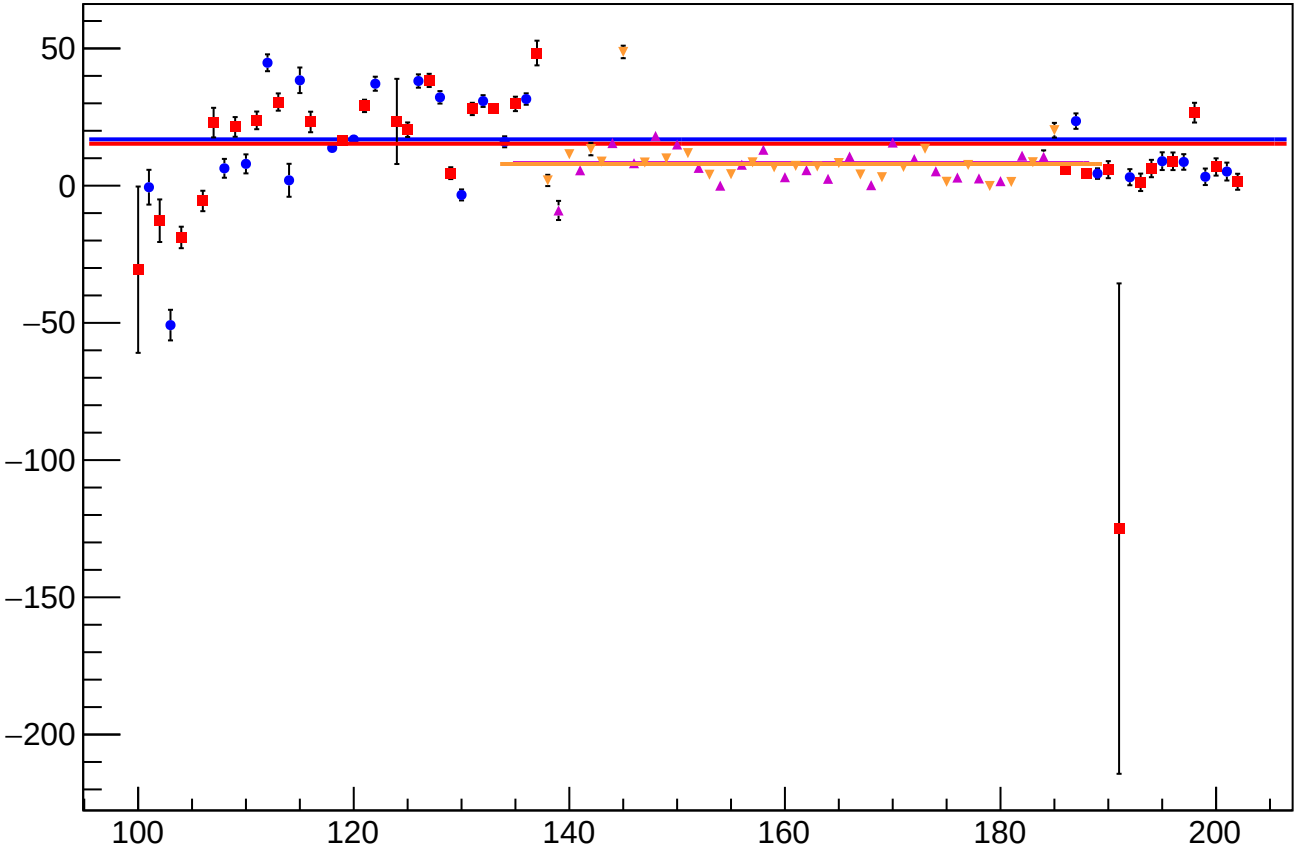
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

\+ sign -39.048+/-0.312 χ^2/NDF: 4738.7/47

All: -39.266+/-0.215 χ^2/NDF: 11544.0/99

\- sign -39.462+/-0.296 χ^2/NDF: 6804.4/51

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 16.874+/-0.526 χ^2/NDF: 781.3/22

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 15.273+/-0.477 χ^2/NDF: 705.3/28

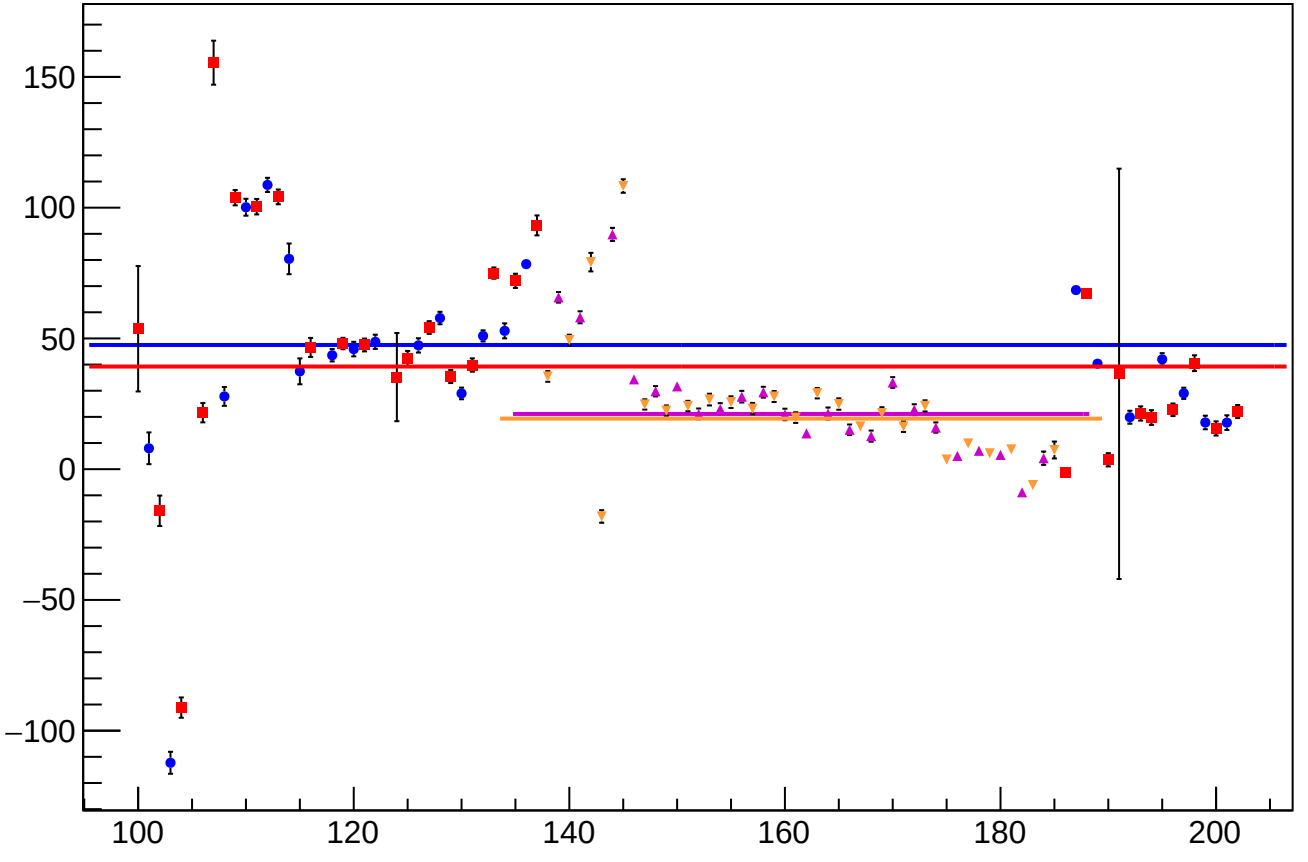
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.140+/-0.263 χ^2/NDF: 1490.0/47

All: 10.255+/-0.186 χ^2/NDF: 2686.4/99

\- sign 10.370+/-0.263 χ^2/NDF: 1196.1/51

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 47.494+/-0.509 χ^2/NDF: 3401.2/22

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 39.252+/-0.410 χ^2/NDF: 7540.8/28

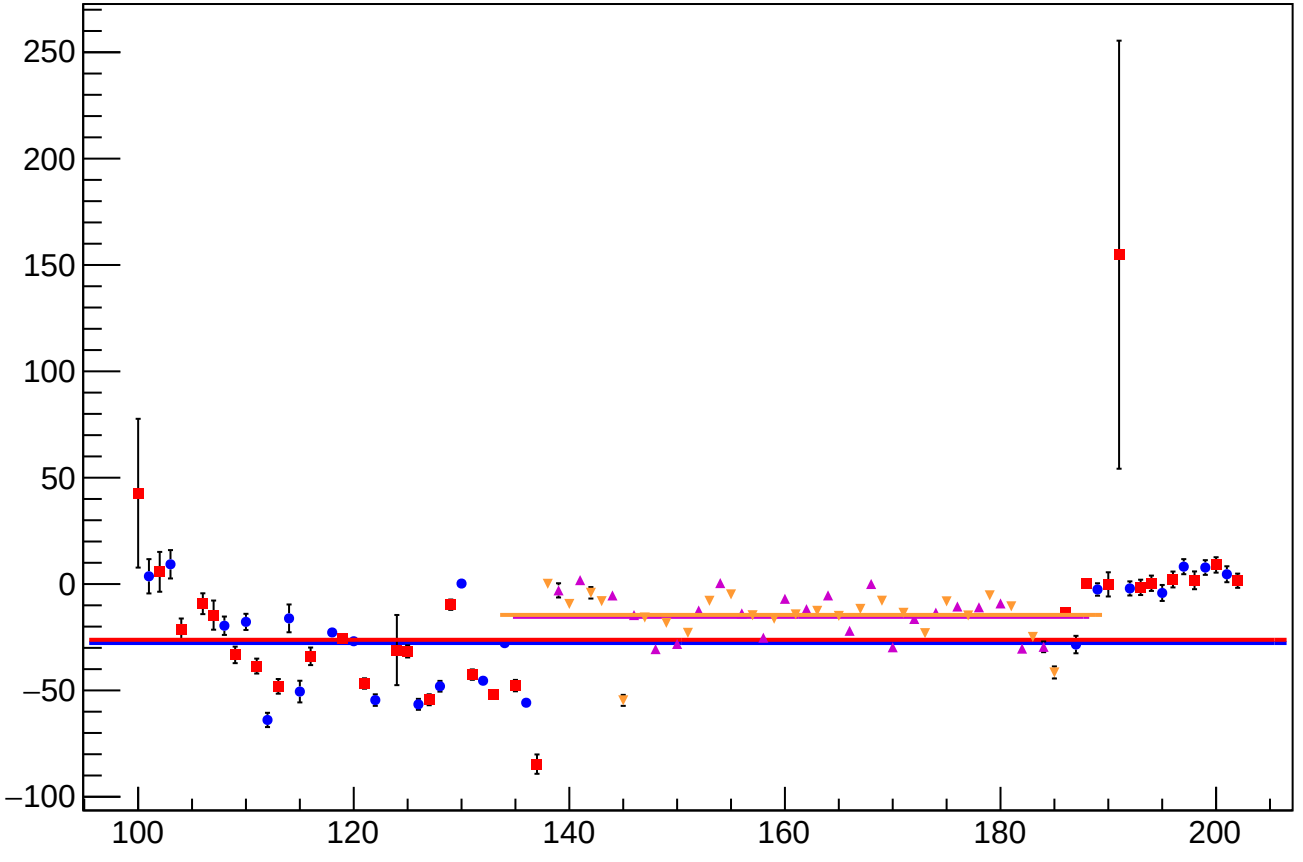
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 29.937+/-0.312 χ^2/NDF: 7990.4/47

All: 30.012+/-0.212 χ^2/NDF: 19026.5/99

- sign 30.075+/-0.288 χ^2/NDF: 11035.9/51

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -27.731+/-0.619 χ^2/NDF: 1340.3/22

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -26.198+/-0.582 χ^2/NDF: 1396.2/28

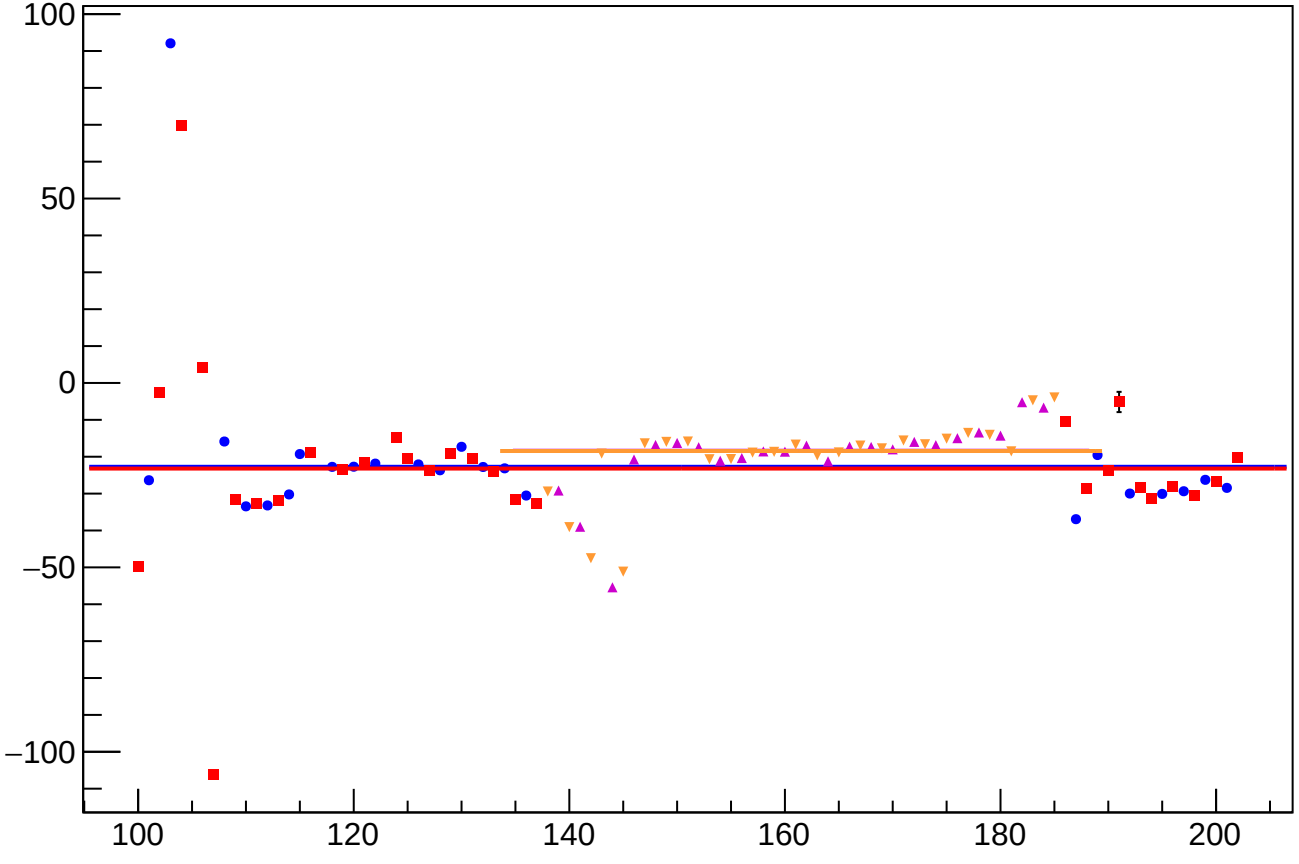
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.626+/-0.301 χ^2/NDF: 2330.6/47

All: -17.983+/-0.213 χ^2/NDF: 4778.6/99

- sign -18.347+/-0.303 χ^2/NDF: 2445.1/51

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -22.732+/-0.031 χ^2/NDF: 459761.0/22

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -23.209+/-0.029 χ^2/NDF: 379402.6/28

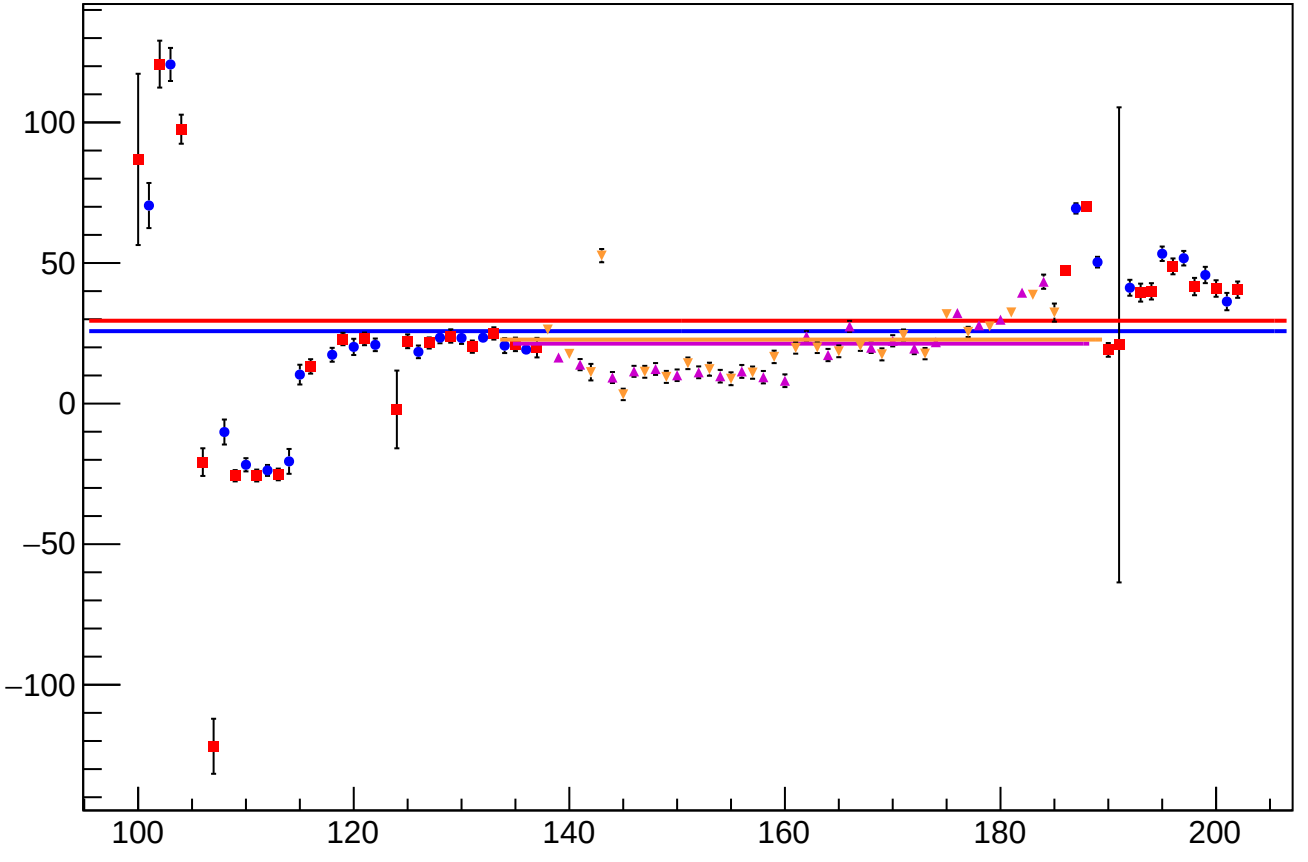
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.306+/-0.014 χ^2/NDF: 770429.0/47

All: -19.383+/-0.010 χ^2/NDF: 1420995.1/99

- sign -19.460+/-0.014 χ^2/NDF: 650504.9/51

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 25.765+/-0.508 χ^2/NDF: 2630.3/22

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 29.471+/-0.449 χ^2/NDF: 4654.0/28

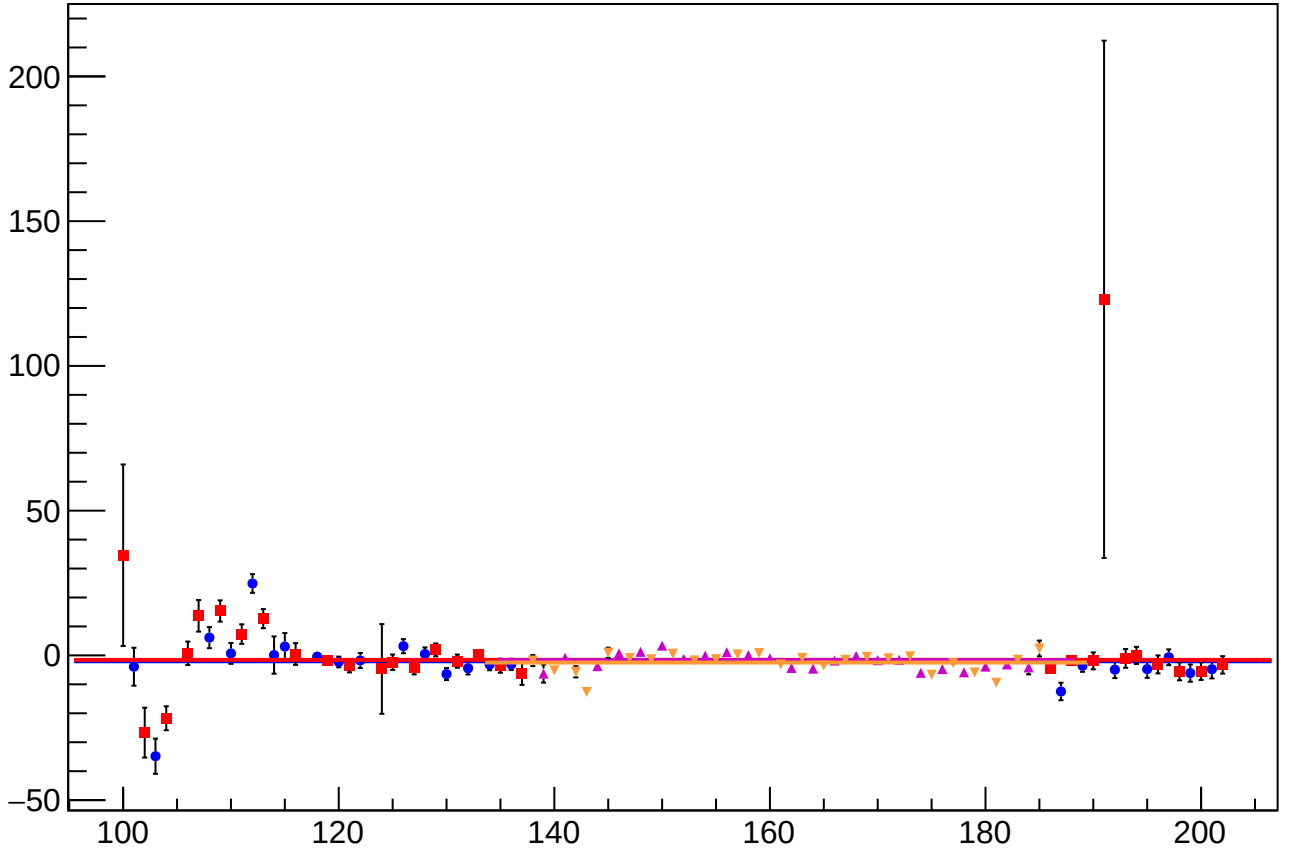
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 23.851+/-0.306 χ^2/NDF: 3375.3/47

All: 24.372+/-0.212 χ^2/NDF: 8851.5/99

- sign 24.859+/-0.296 χ^2/NDF: 5470.6/51

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.024+/-0.533 χ^2/NDF: 136.3/22

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.558+/-0.496 χ^2/NDF: 105.6/28

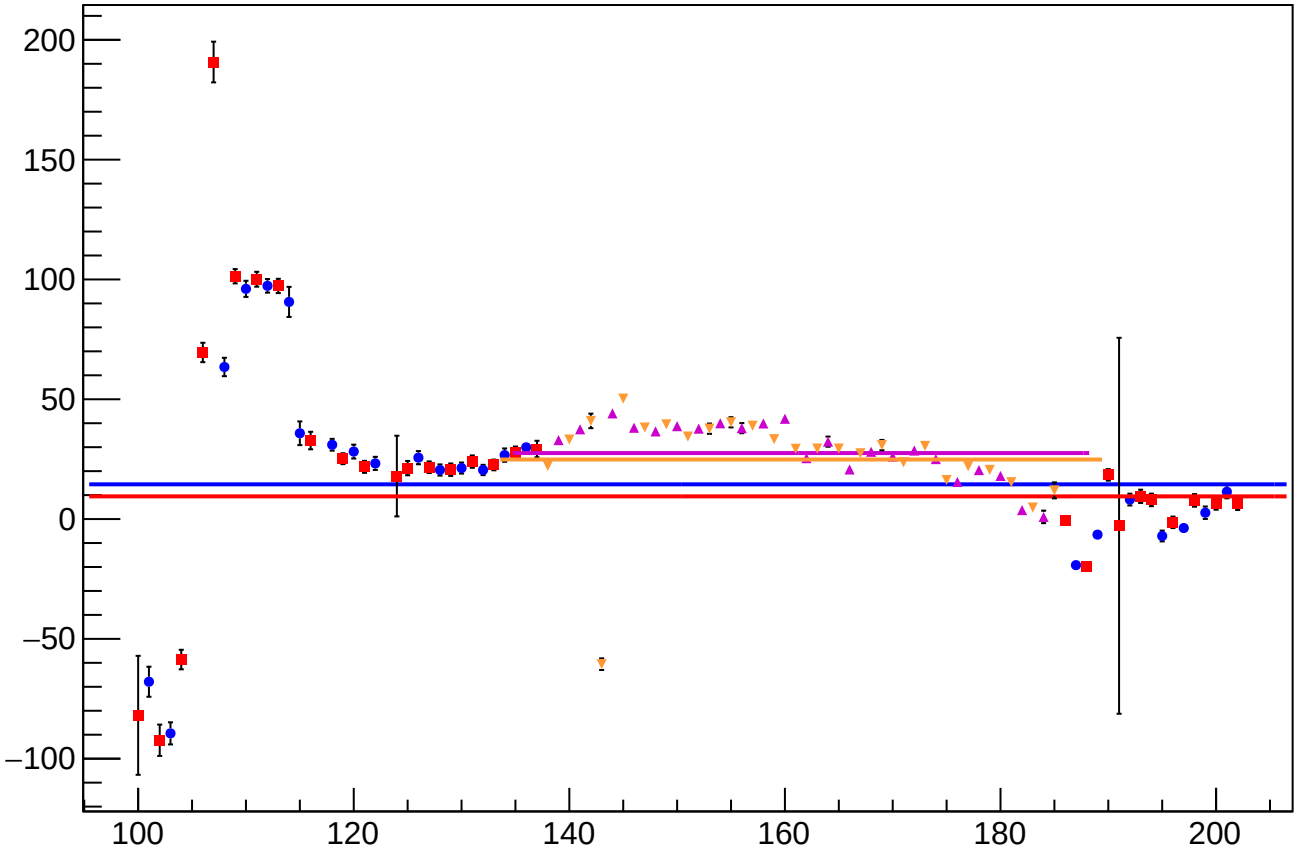
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.365+/-0.257 χ^2/NDF: 253.6/47

All: -2.002+/-0.182 χ^2/NDF: 433.5/99

- sign -1.632+/-0.259 χ^2/NDF: 175.9/51

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 14.498+/-0.518 χ^2/NDF: 3522.1/22

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.470+/-0.435 χ^2/NDF: 5482.3/28

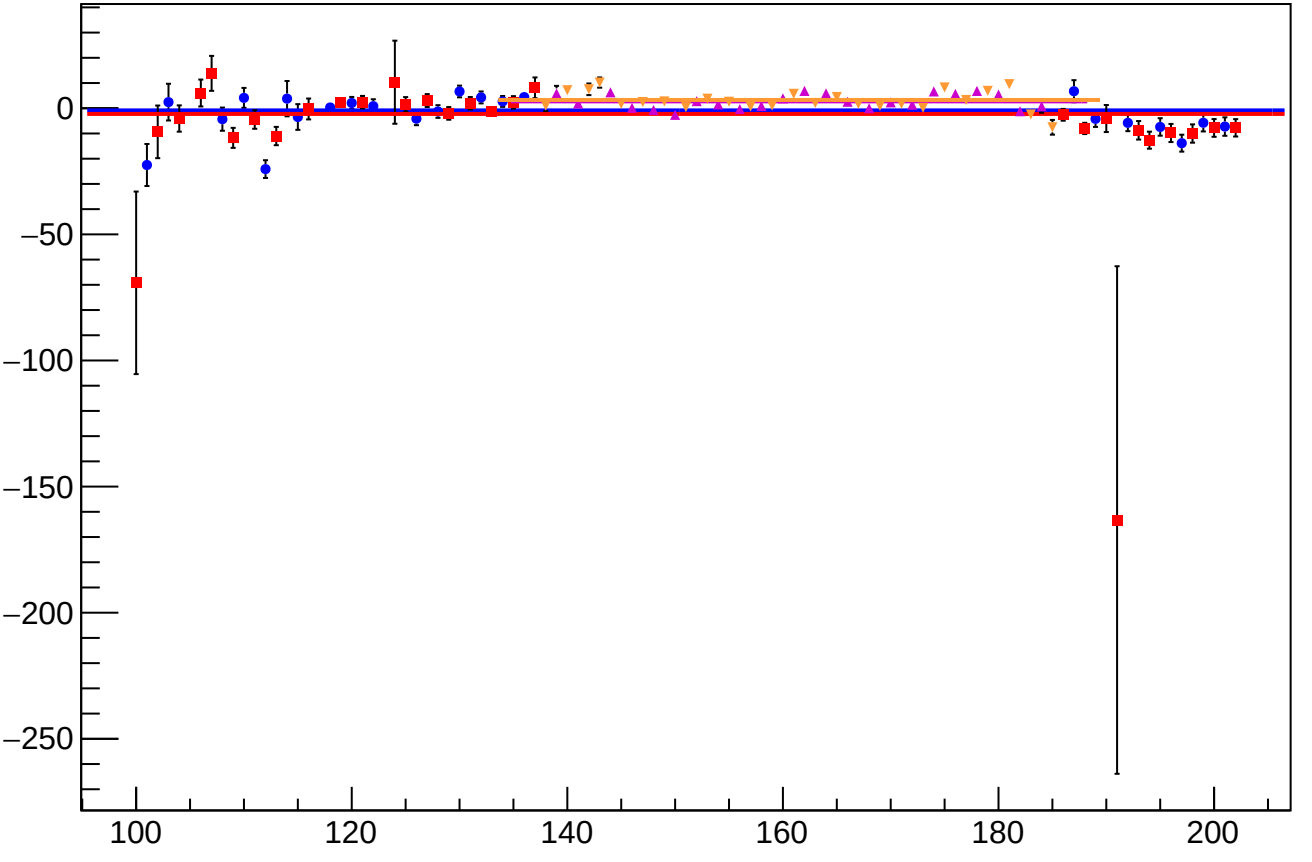
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 21.231+/-0.306 χ^2/NDF: 5830.5/47

All: 20.327+/-0.211 χ^2/NDF: 13171.9/99

- sign 19.517+/-0.290 χ^2/NDF: 7324.8/51

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.848+/-0.622 χ^2/NDF: 112.9/22

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.250+/-0.598 χ^2/NDF: 88.7/28

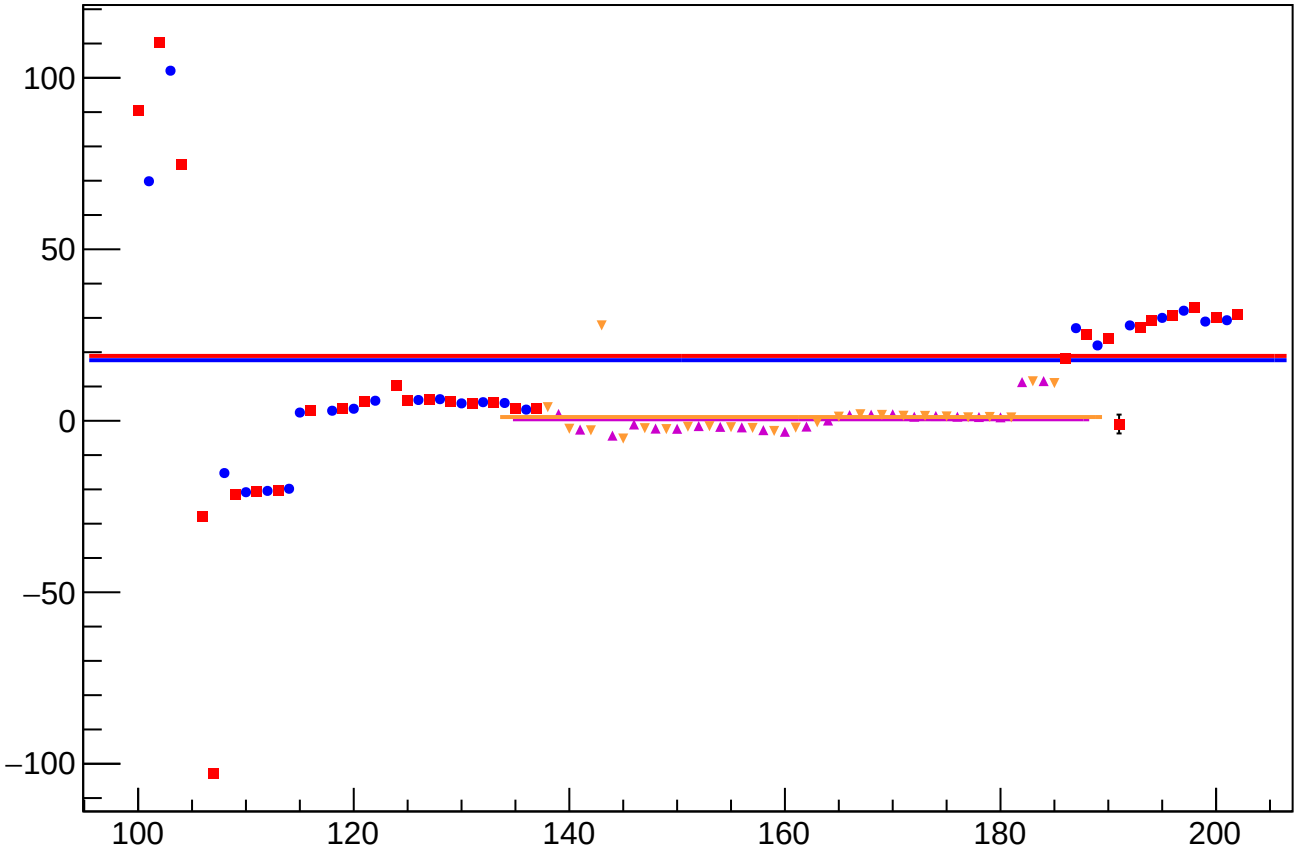
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.372+/-0.292 χ^2/NDF: 253.6/47

All: 1.944+/-0.208 χ^2/NDF: 473.4/99

- sign 1.501+/-0.297 χ^2/NDF: 215.4/51

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 17.665+/-0.030 χ^2/NDF: 453637.2/22

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 18.918+/-0.029 χ^2/NDF: 611484.1/28

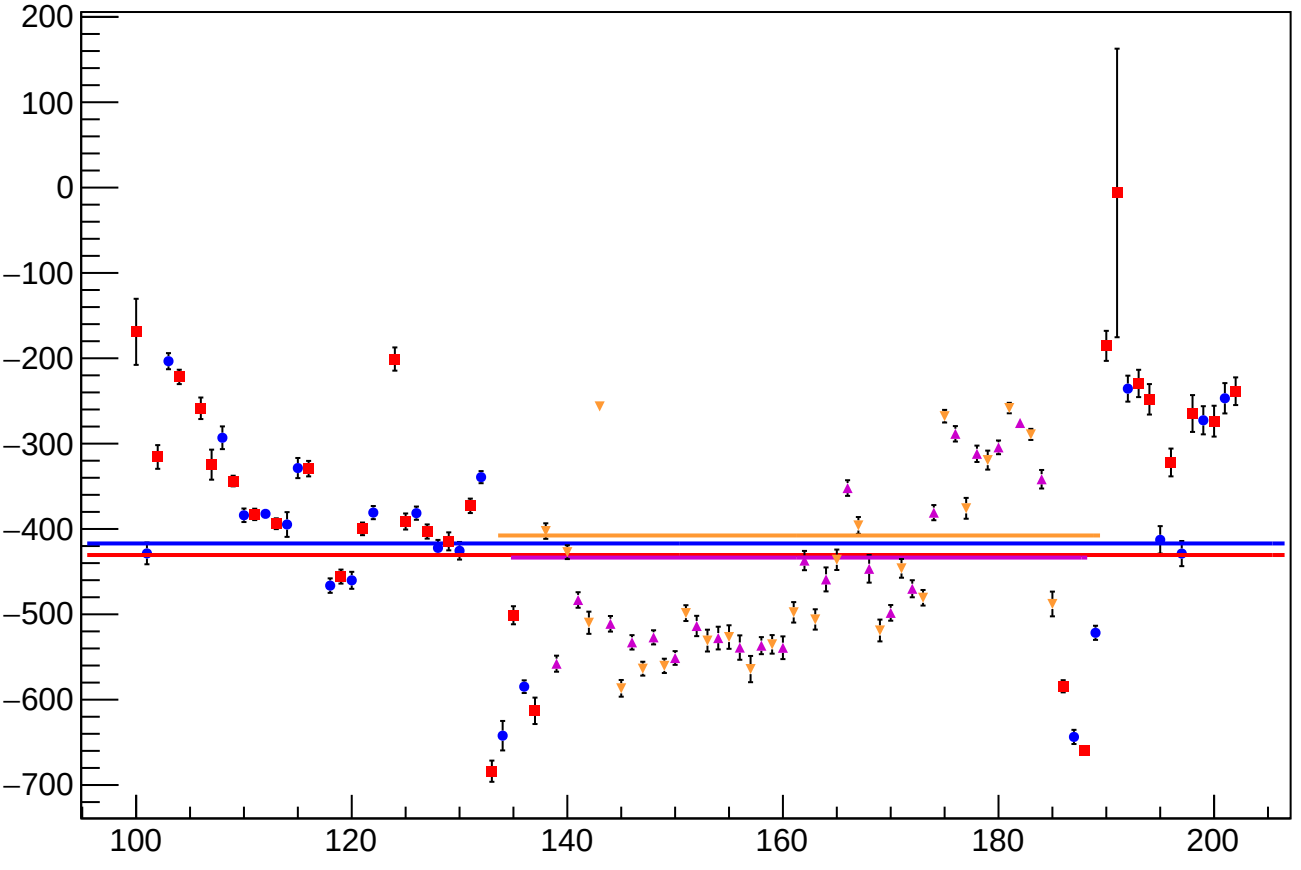
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 4.276+/-0.013 χ^2/NDF: 821939.5/47

All: 4.301+/-0.009 χ^2/NDF: 1802088.3/99

- sign 4.326+/-0.013 χ^2/NDF: 980141.8/51

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -416.970+/-2.005 χ^2/NDF: 2824.6/22

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -430.509+/-1.779 χ^2/NDF: 6310.4/28

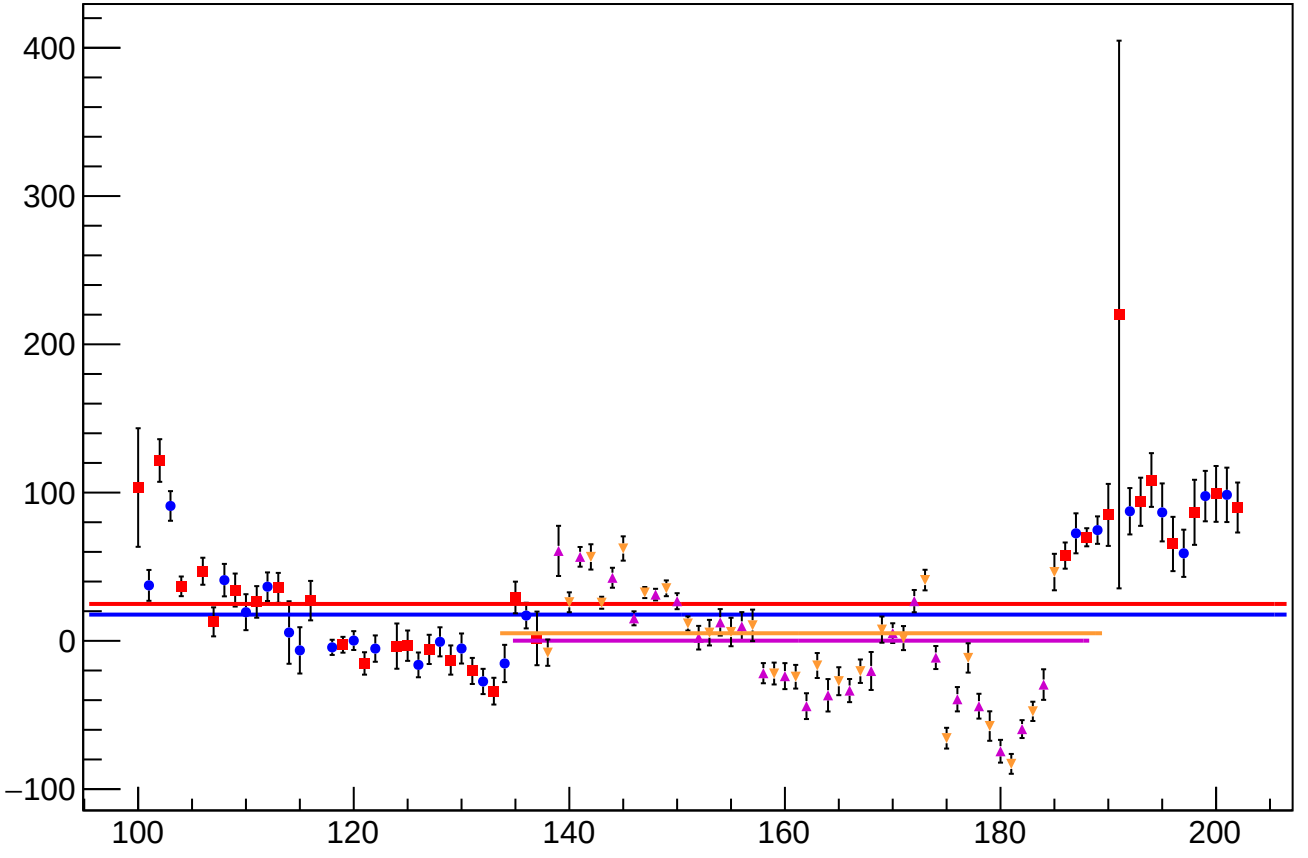
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -411.964+/-1.367 χ^2/NDF: 6841.8/47

All: -422.199+/-0.952 χ^2/NDF: 15986.9/99

- sign -431.848+/-1.327 χ^2/NDF: 9036.2/51

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.707+/-2.088 χ^2/NDF: 296.1/22

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 24.894+/-1.934 χ^2/NDF: 382.6/28

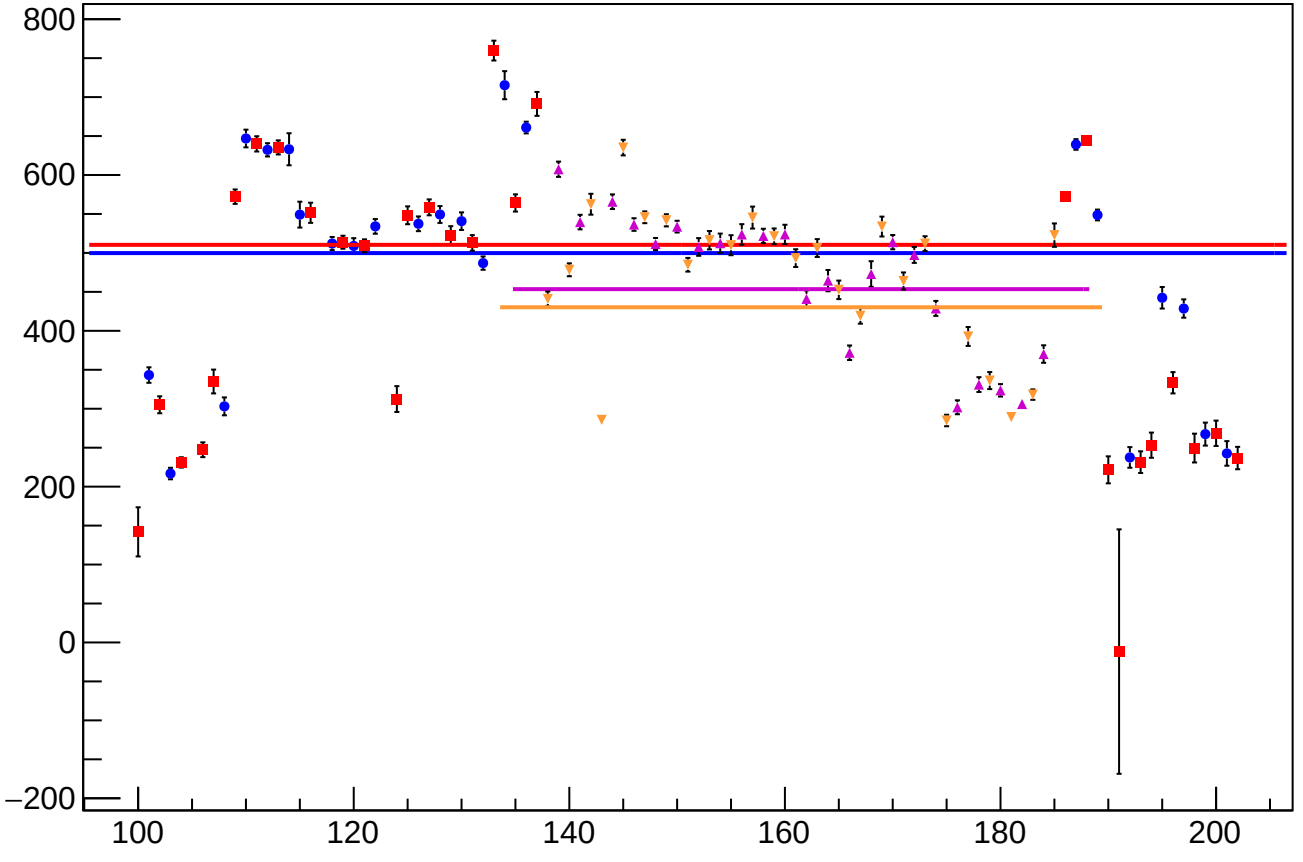
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 8.944+/-1.151 χ^2/NDF: 1010.6/47

All: 9.140+/-0.824 χ^2/NDF: 2064.8/99

- sign 9.347+/-1.180 χ^2/NDF: 1054.1/51

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 499.781+/-2.085 χ^2/NDF: 4563.9/22

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 510.363+/-1.784 χ^2/NDF: 7762.3/28

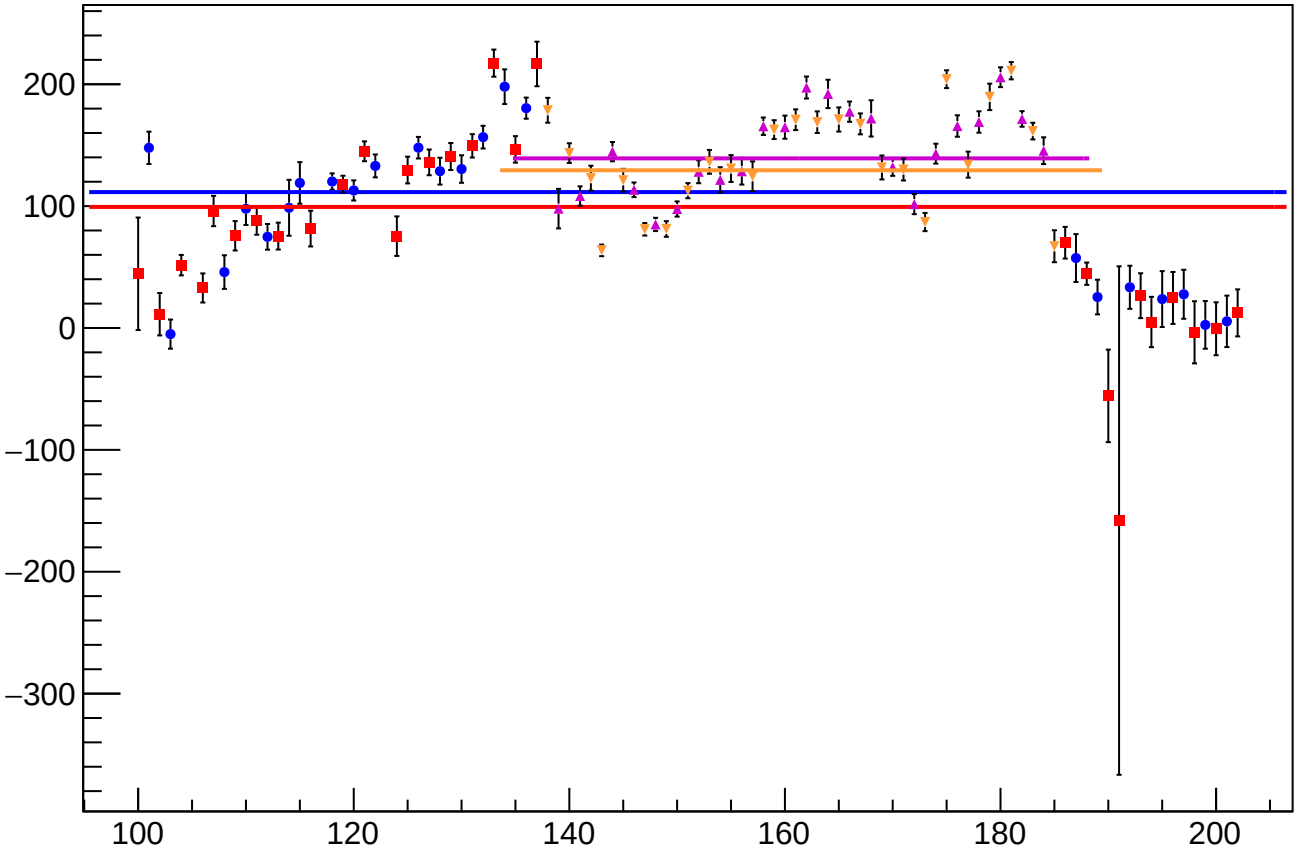
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 461.082+/-1.388 χ^2/NDF: 8588.3/47

All: 473.501+/-0.958 χ^2/NDF: 19379.8/99

- sign 484.791+/-1.324 χ^2/NDF: 10638.7/51

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 111.514+/-2.463 χ^2/NDF: 443.8/22

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 99.340+/-2.314 χ^2/NDF: 541.3/28

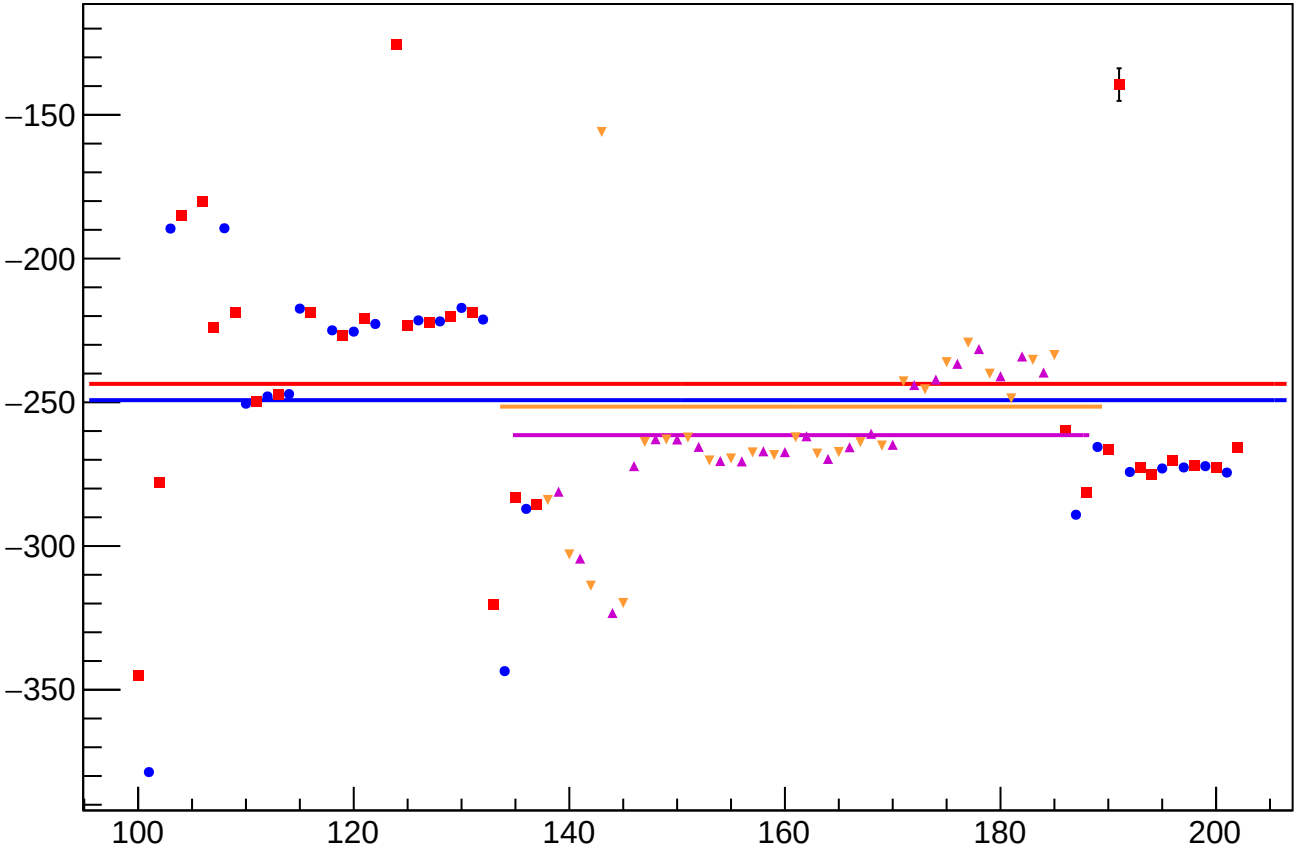
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 124.139+/-1.337 χ^2/NDF: 1295.4/47

All: 124.631+/-0.958 χ^2/NDF: 2463.2/99

- sign 125.150+/-1.372 χ^2/NDF: 1167.5/51

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -249.257+/-0.129 χ^2/NDF: 147250.5/22

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -243.585+/-0.121 χ^2/NDF: 110909.3/28

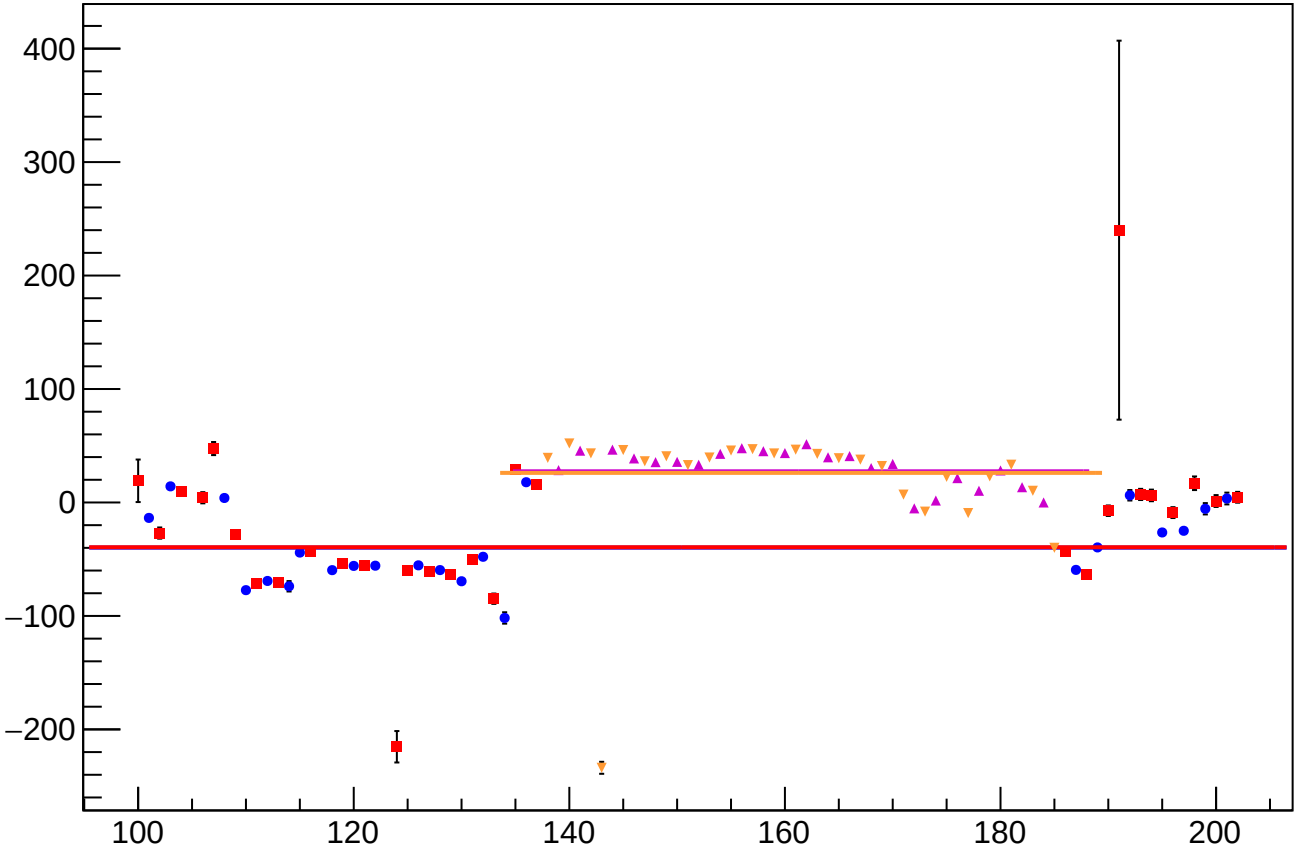
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -250.942+/-0.065 χ^2/NDF: 402404.0/47

All: -253.531+/-0.046 χ^2/NDF: 601517.7/99

- sign -256.197+/-0.065 χ^2/NDF: 195845.7/51

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -39.806+/-0.643 χ^2/NDF: 2705.5/22

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.456+/-0.555 χ^2/NDF: 3234.6/28

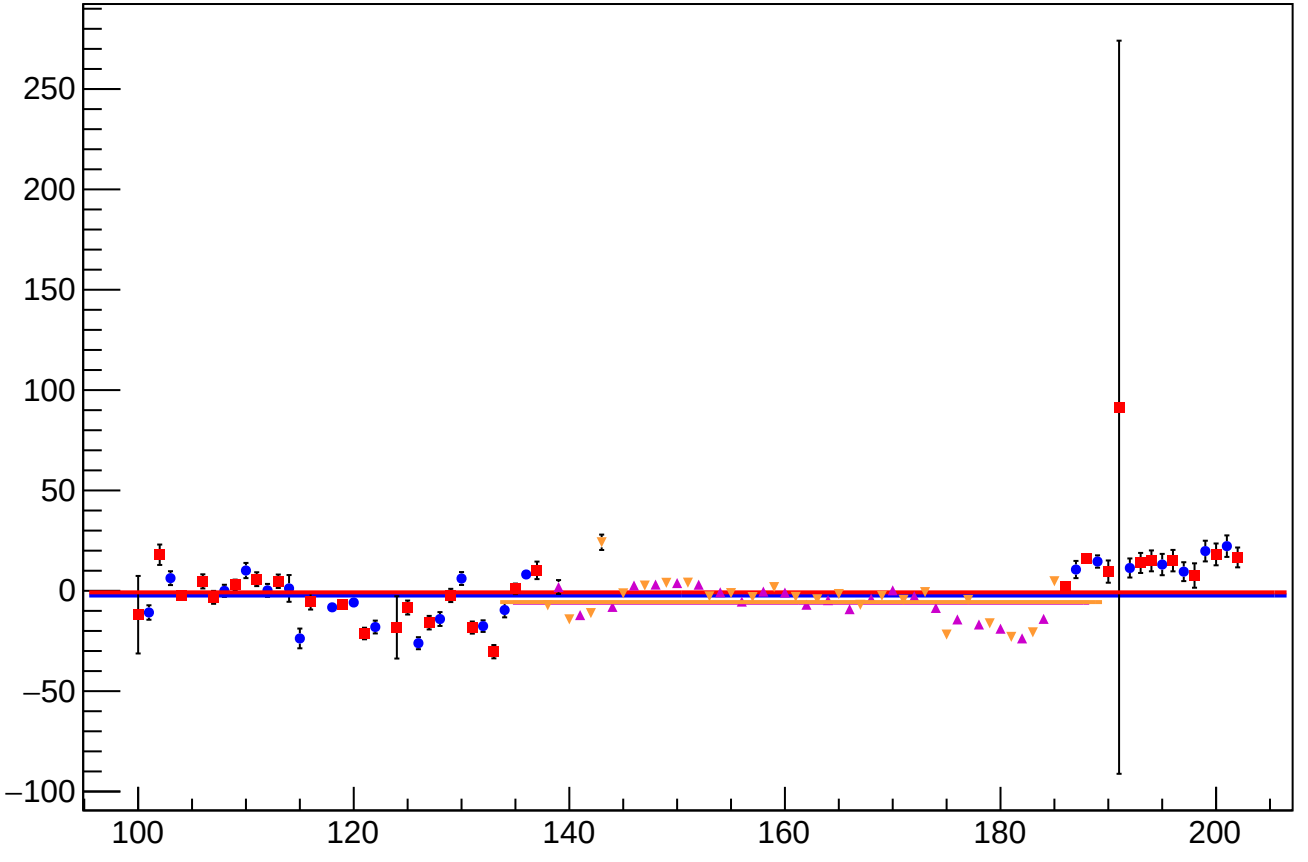
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.402+/-0.333 χ^2/NDF: 15164.2/47

All: 6.589+/-0.232 χ^2/NDF: 29707.6/99

- sign 4.895+/-0.322 χ^2/NDF: 14486.2/51

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.357+/-0.687 χ^2/NDF: 318.8/22

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -0.771+/-0.628 χ^2/NDF: 355.5/28

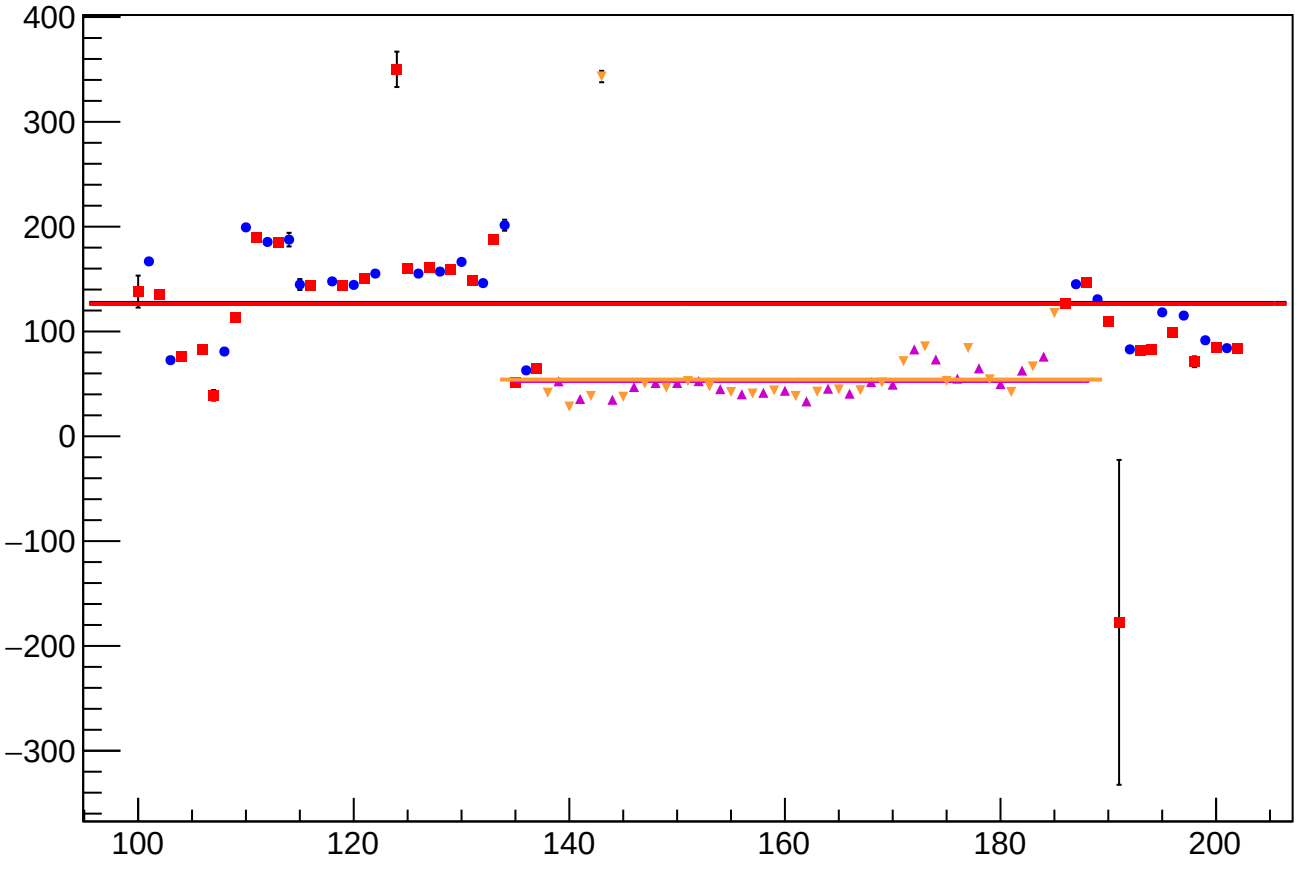
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.096+/-0.276 χ^2/NDF: 1231.1/47

All: -5.015+/-0.196 χ^2/NDF: 2353.6/99

- sign -4.933+/-0.277 χ^2/NDF: 1122.3/51

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 127.249+/-0.664 χ^2/NDF: 3994.1/22

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.240+/-0.559 χ^2/NDF: 4350.6/28

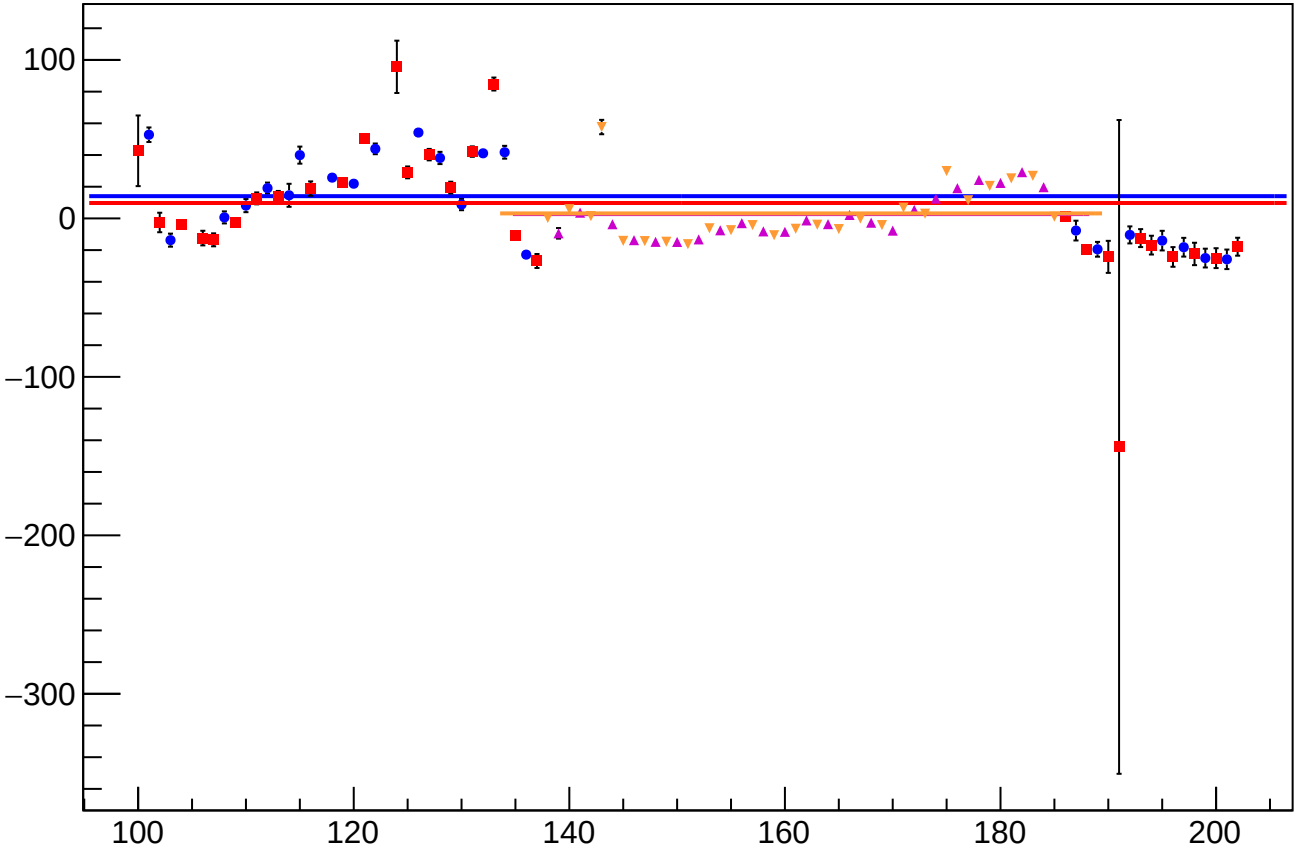
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

\+ sign 72.670+/-0.335 χ^2/NDF: 17629.0/47

All: 74.953+/-0.232 χ^2/NDF: 34607.5/99

\- sign 77.058+/-0.321 χ^2/NDF: 16889.0/51

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 14.040+/-0.799 χ^2/NDF: 1111.6/22

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 9.730+/-0.749 χ^2/NDF: 1248.8/28

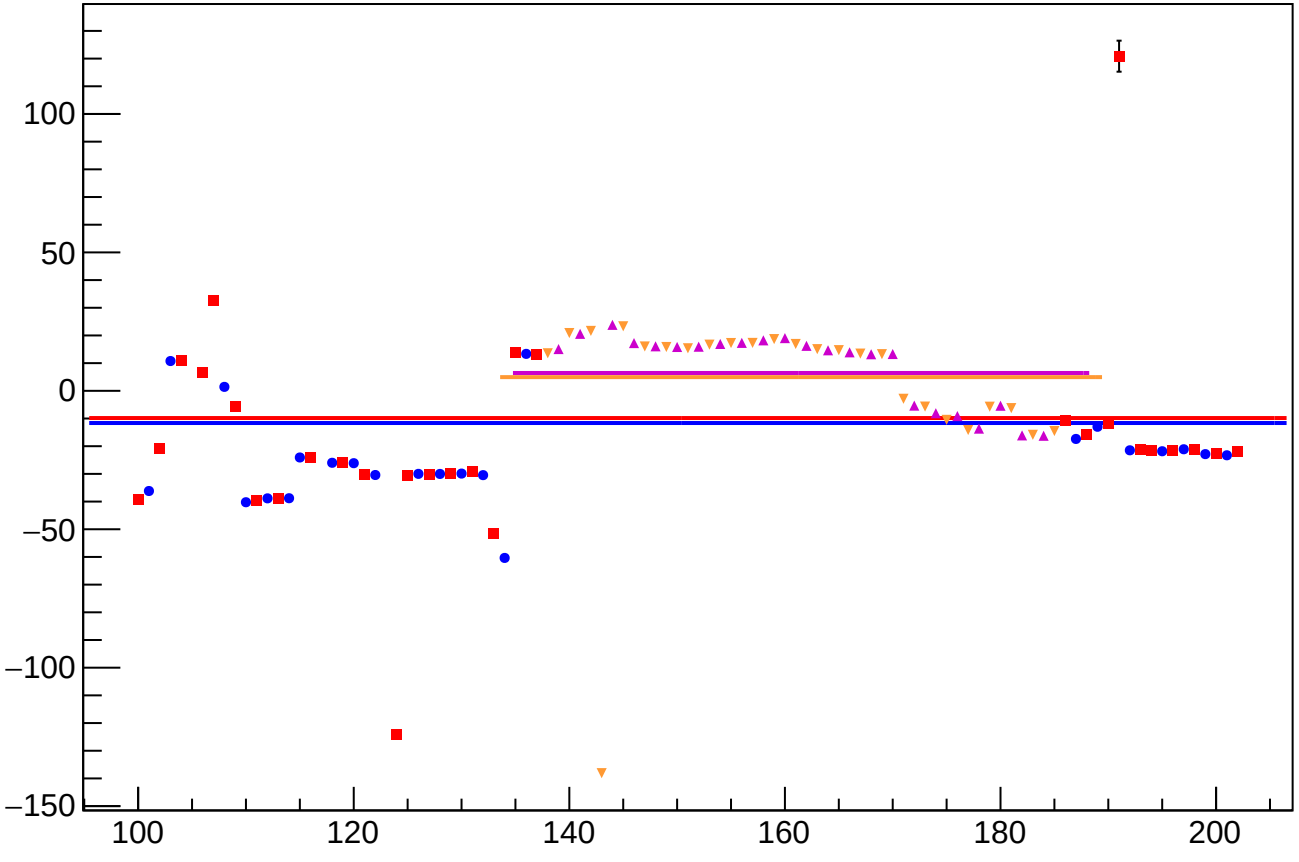
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.824+/-0.313 χ^2/NDF: 3281.3/47

All: 4.393+/-0.222 χ^2/NDF: 6341.1/99

- sign 3.957+/-0.315 χ^2/NDF: 3056.0/51

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -11.628+/-0.039 χ^2/NDF: 291626.7/22

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -9.831+/-0.037 χ^2/NDF: 269504.1/28

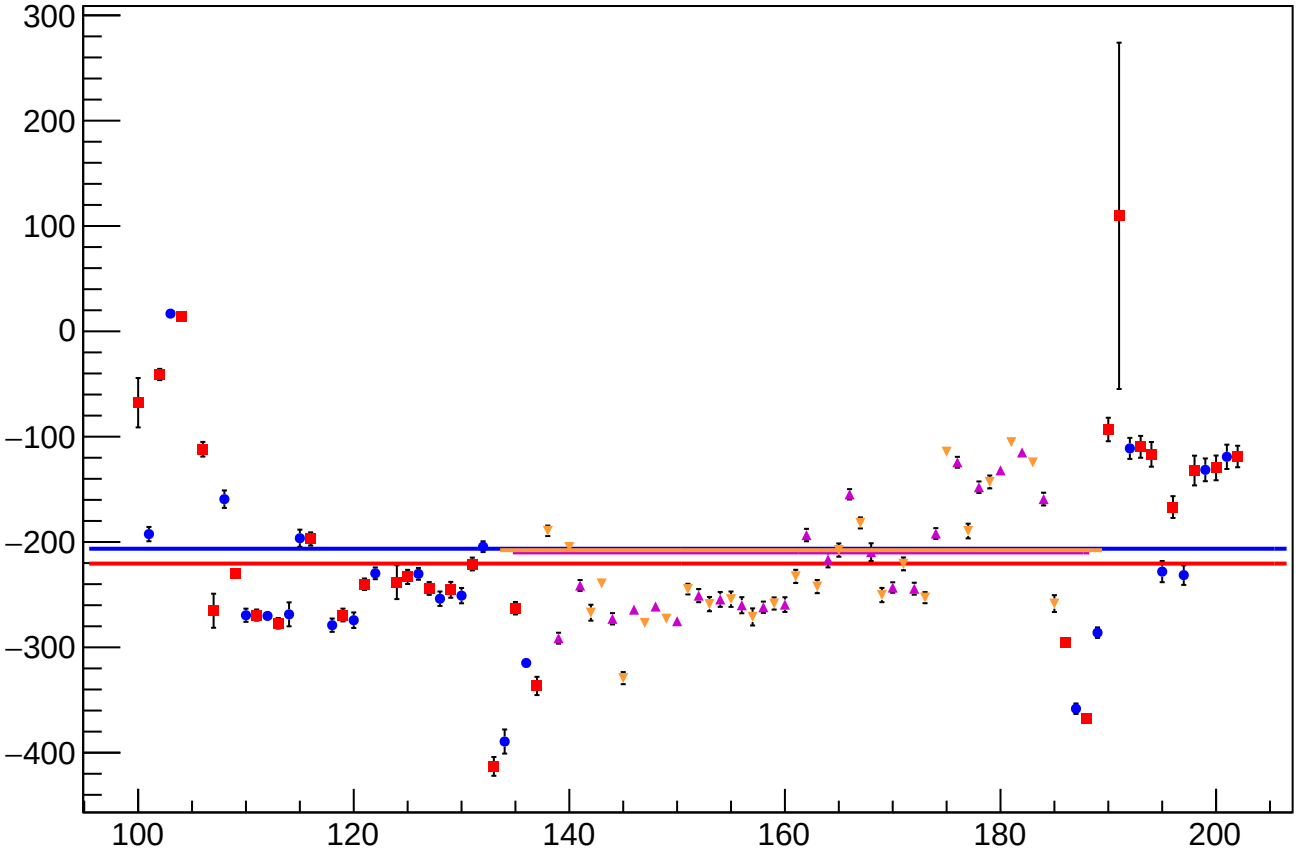
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 2.740+/-0.014 χ^2/NDF: 1586029.2/47

All: 3.422+/-0.010 χ^2/NDF: 2751521.1/99

- sign 4.108+/-0.014 χ^2/NDF: 1160836.8/51

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -206.373+/-1.265 χ^2/NDF: 8724.8/22

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -220.480+/-1.124 χ^2/NDF: 12168.7/28

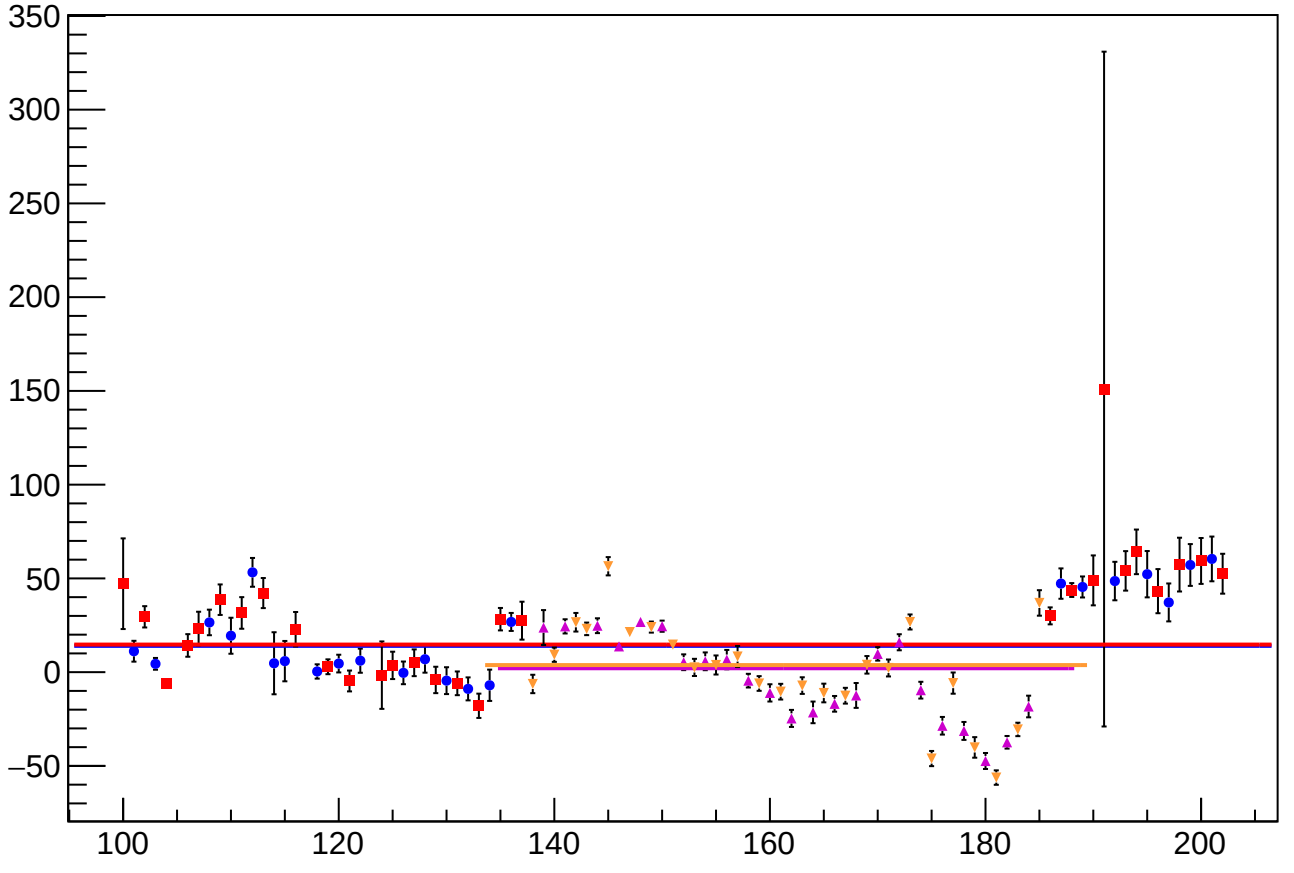
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.173+/-0.817 χ^2/NDF: 12212.7/47

All: -211.271+/-0.567 χ^2/NDF: 27487.2/99

- sign -215.070+/-0.787 χ^2/NDF: 15226.0/51

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.031+/-1.323 χ^2/NDF: 203.8/22

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 14.707+/-1.182 χ^2/NDF: 337.2/28

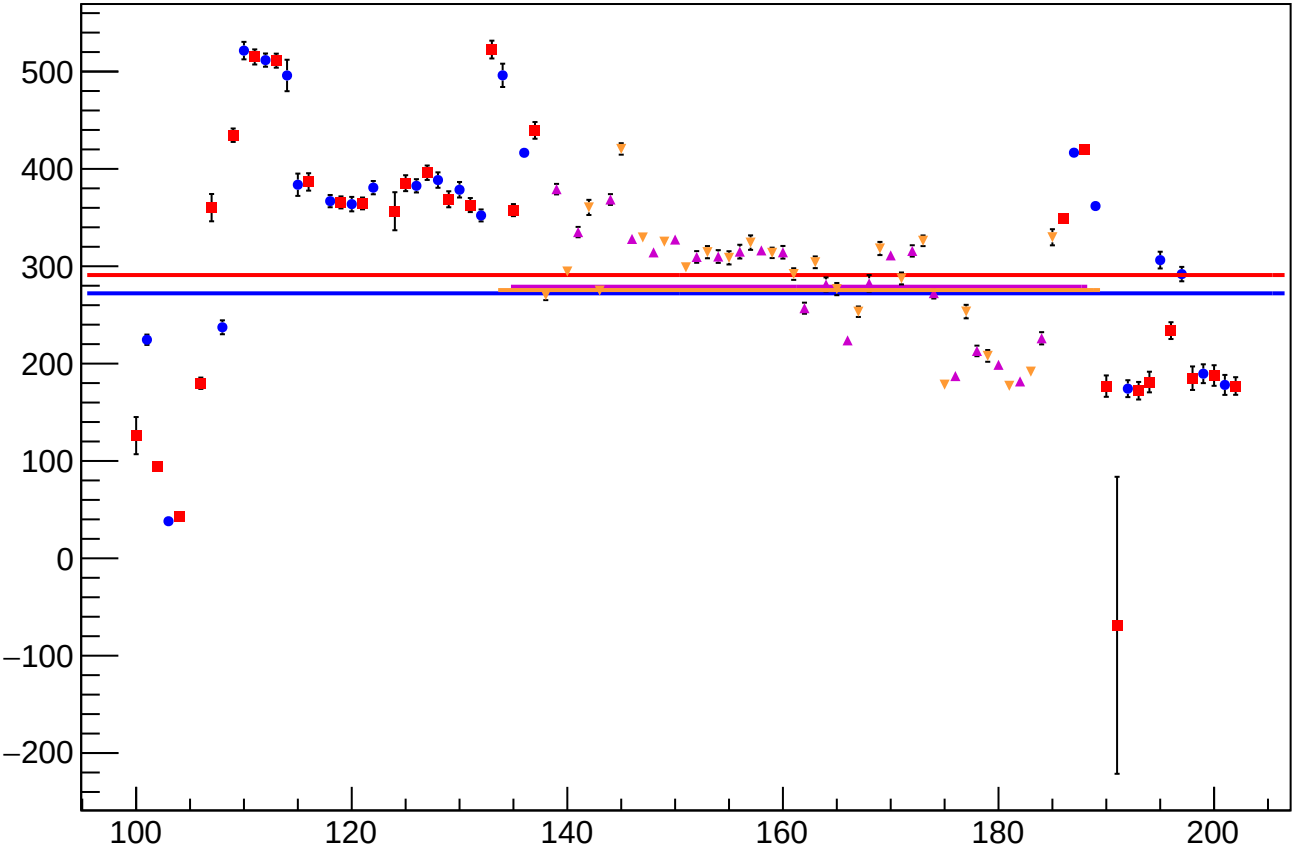
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 6.454+/-0.676 χ^2/NDF: 1220.4/47

All: 6.317+/-0.477 χ^2/NDF: 2404.9/99

- sign 6.182+/-0.674 χ^2/NDF: 1184.5/51

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 272.186+/-1.215 χ^2/NDF: 17580.7/22

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 290.964+/-1.049 χ^2/NDF: 21880.4/28

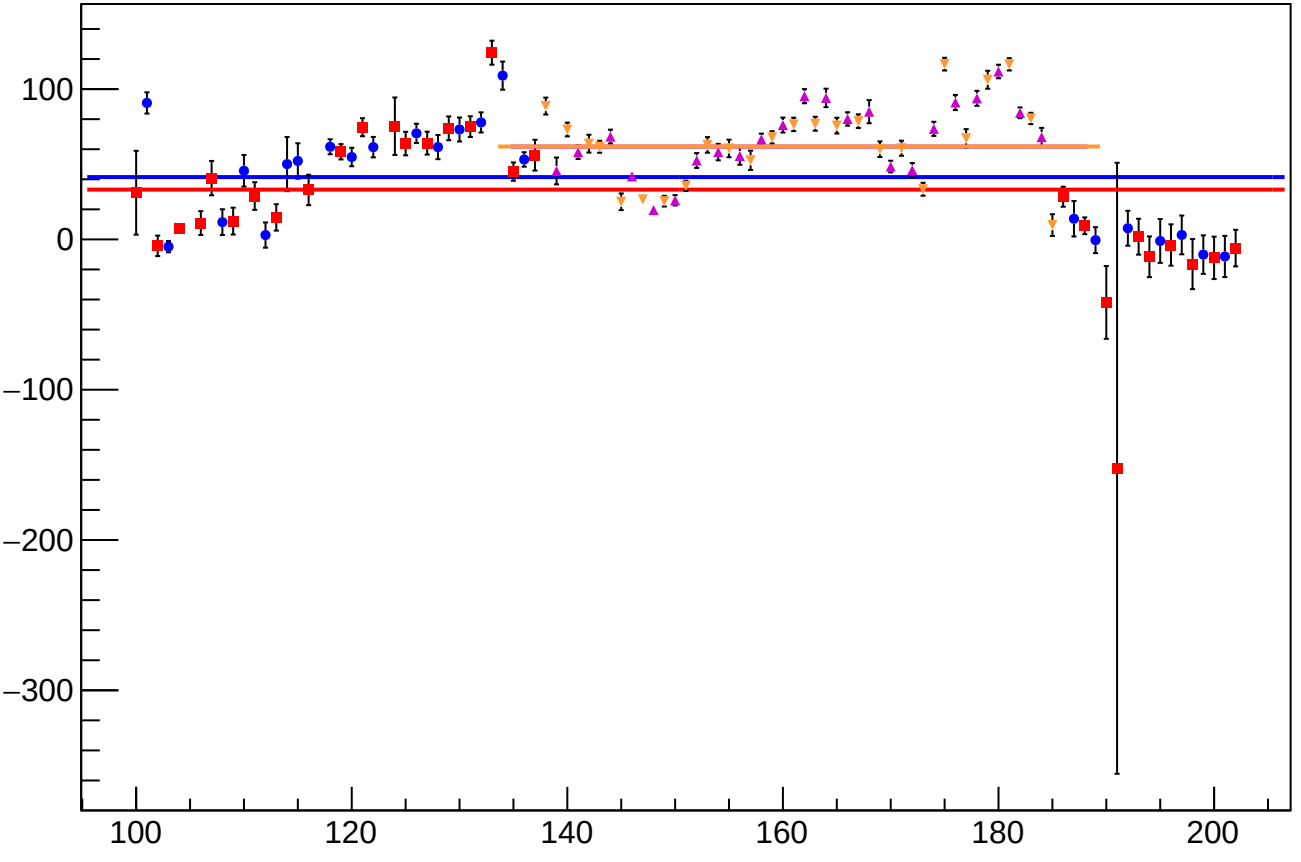
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 274.085+/-0.800 χ^2/NDF: 20908.2/47

All: 279.957+/-0.549 χ^2/NDF: 46068.0/99

- sign 285.198+/-0.756 χ^2/NDF: 25057.8/51

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 41.462+/-1.562 χ^2/NDF: 483.1/22

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 33.136+/-1.440 χ^2/NDF: 514.5/28

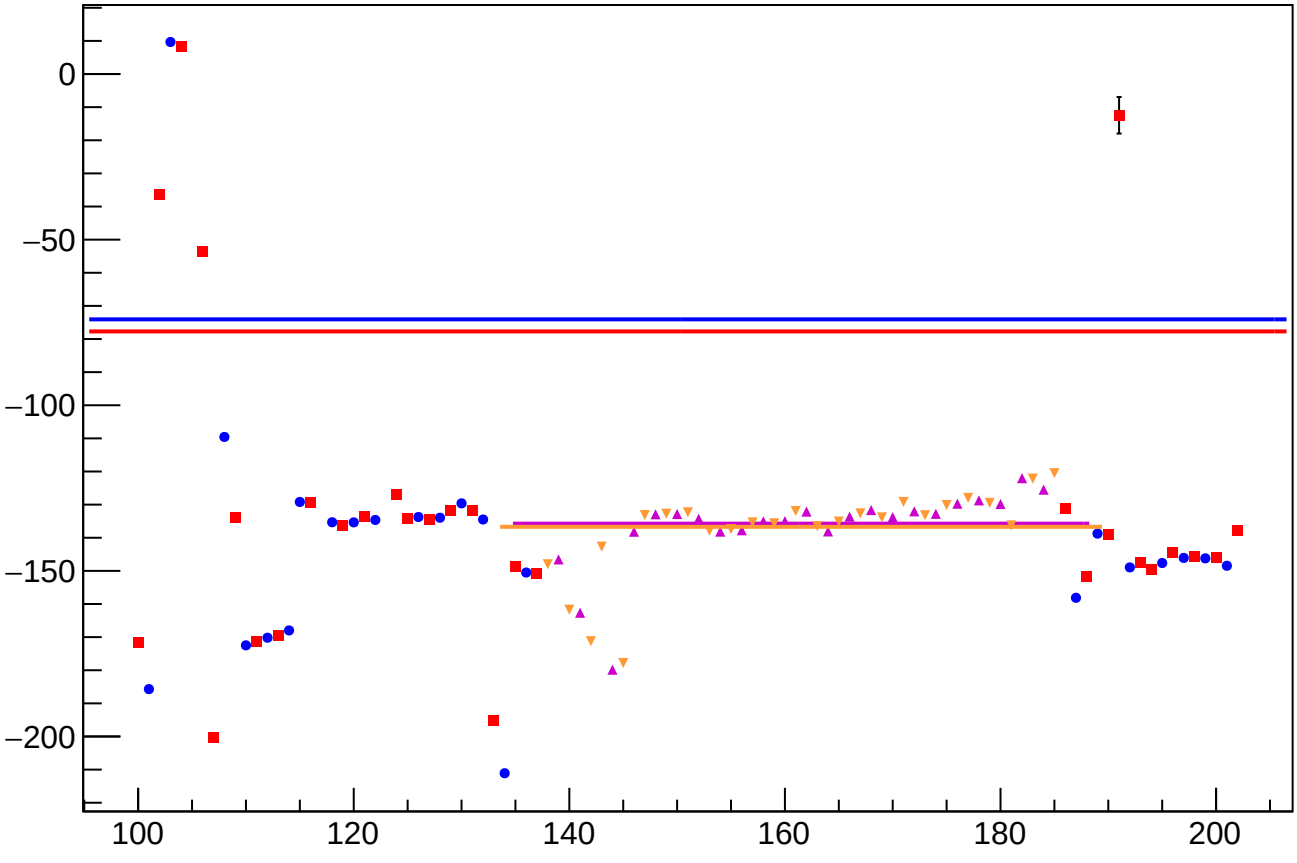
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 56.682+/-0.785 χ^2/NDF: 1569.5/47

All: 54.957+/-0.555 χ^2/NDF: 3107.0/99

- sign 53.226+/-0.786 χ^2/NDF: 1527.9/51

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -74.061+/-0.066 χ^2/NDF: 1479669.0/22

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -77.707+/-0.065 χ^2/NDF: 1194220.2/28

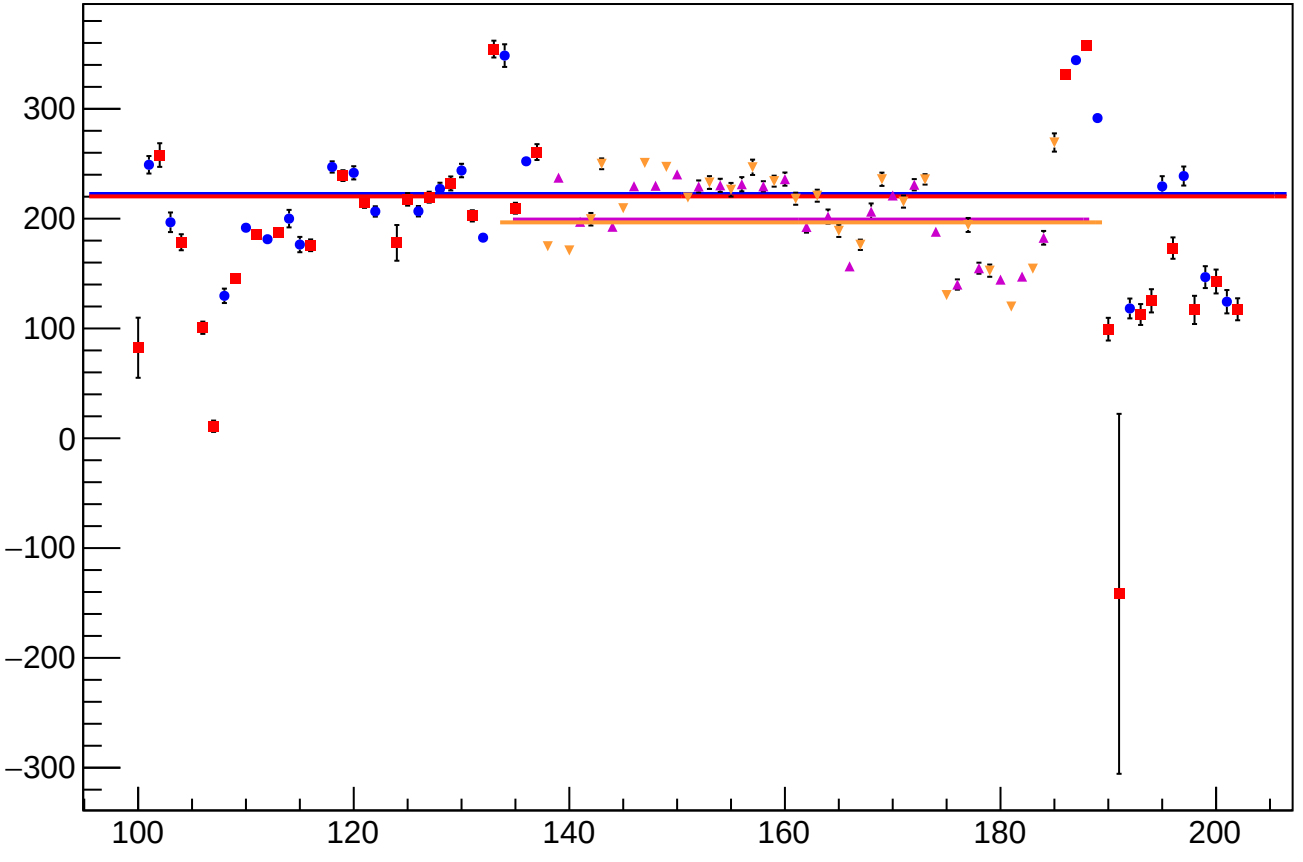
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -118.520+/-0.036 χ^2/NDF: 2196496.8/47

All: -118.377+/-0.025 χ^2/NDF: 4009177.0/99

- sign -118.233+/-0.036 χ^2/NDF: 1812647.9/51

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 222.452+/-1.156 χ^2/NDF: 2099.9/22

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 220.271+/-0.998 χ^2/NDF: 8089.5/28

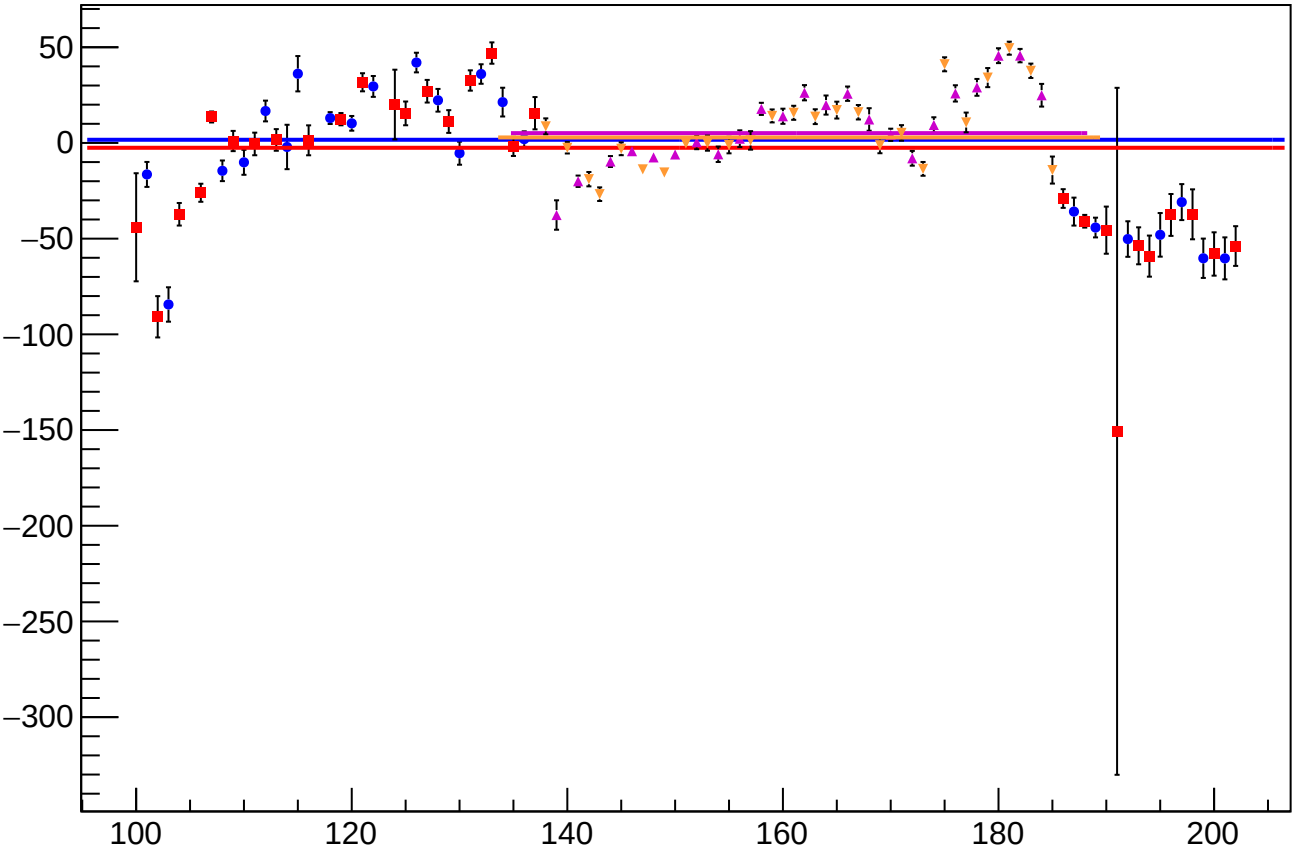
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 206.984+/-0.732 χ^2/NDF: 4474.5/47

All: 208.276+/-0.505 χ^2/NDF: 14094.2/99

- sign 209.445+/-0.697 χ^2/NDF: 9613.7/51

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 1.659+/-1.224 χ^2/NDF: 541.4/22

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -2.523+/-1.080 χ^2/NDF: 701.2/28

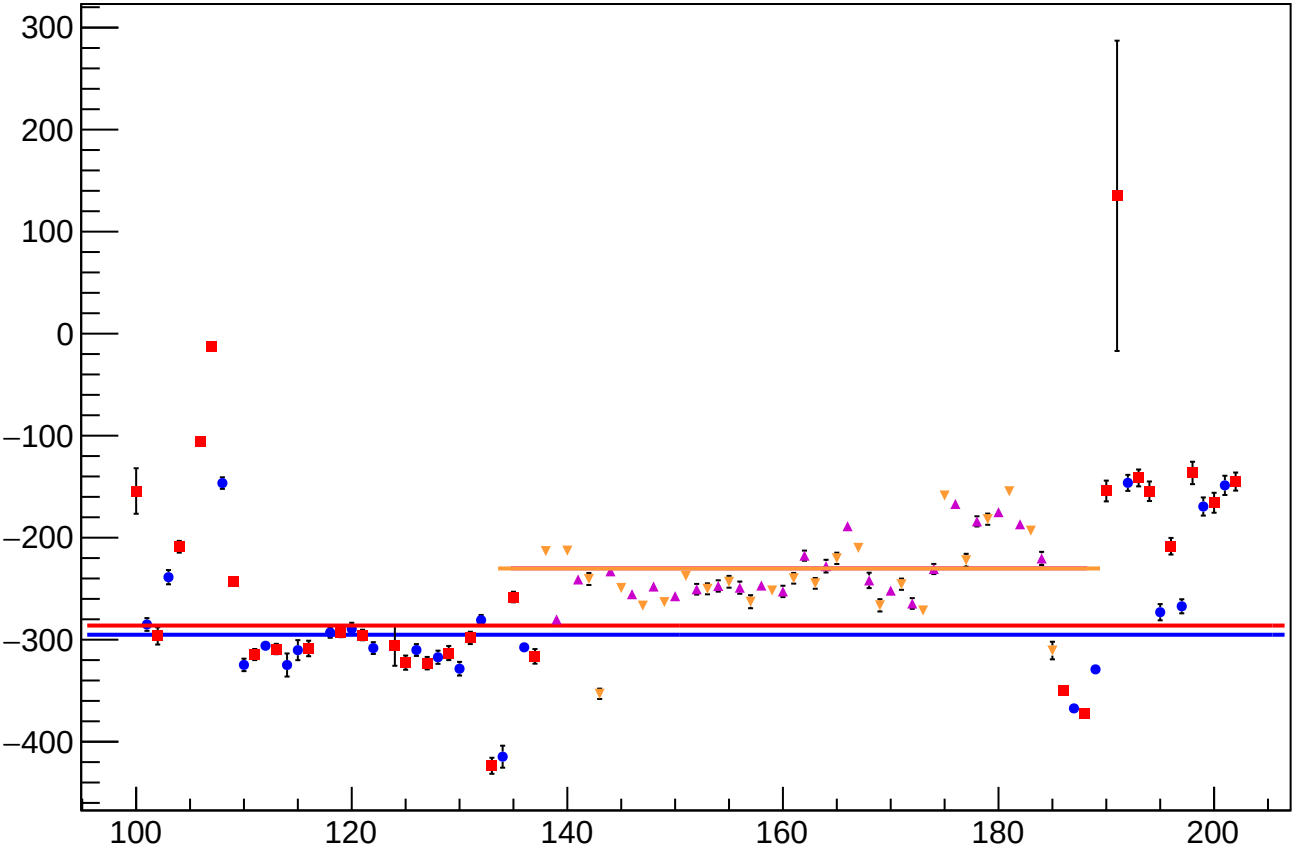
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 2.576+/-0.603 χ^2/NDF: 1295.0/47

All: 2.680+/-0.425 χ^2/NDF: 2659.5/99

- sign 2.783+/-0.598 χ^2/NDF: 1364.5/51

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -295.152+/-1.210 χ^2/NDF: 2269.9/22

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -286.135+/-1.006 χ^2/NDF: 9884.7/28

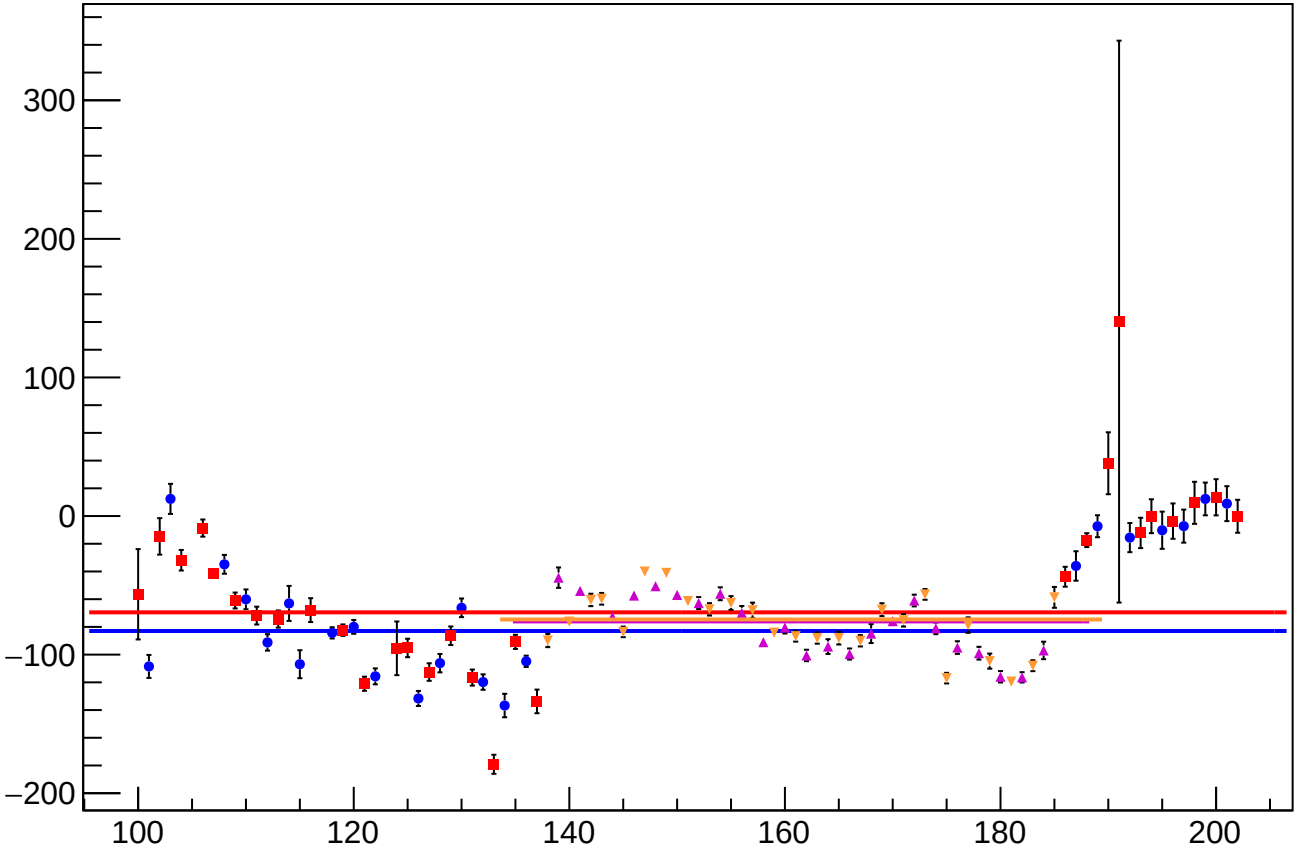
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -254.610+/-0.742 χ^2/NDF: 6251.8/47

All: -255.773+/-0.507 χ^2/NDF: 18859.7/99

- sign -256.794+/-0.695 χ^2/NDF: 12603.3/51

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -82.946+/-1.436 χ^2/NDF: 740.4/22

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -69.499+/-1.298 χ^2/NDF: 1109.6/28

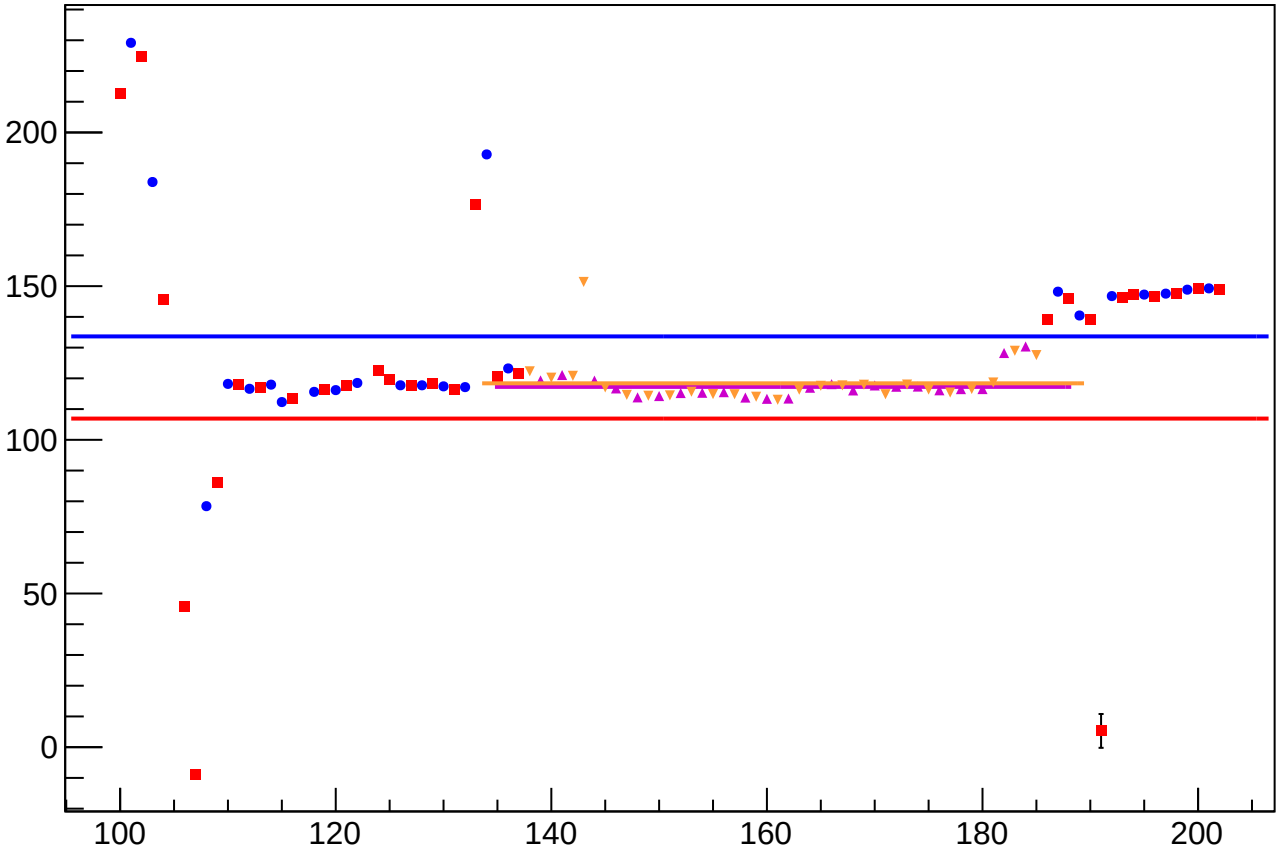
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -76.612+/-0.699 χ^2/NDF: 1596.9/47

All: -75.375+/-0.493 χ^2/NDF: 3376.7/99

- sign -74.151+/-0.696 χ^2/NDF: 1773.6/51

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 133.648+/-0.076 χ^2/NDF: 195186.1/22

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 106.912+/-0.067 χ^2/NDF: 742894.1/28

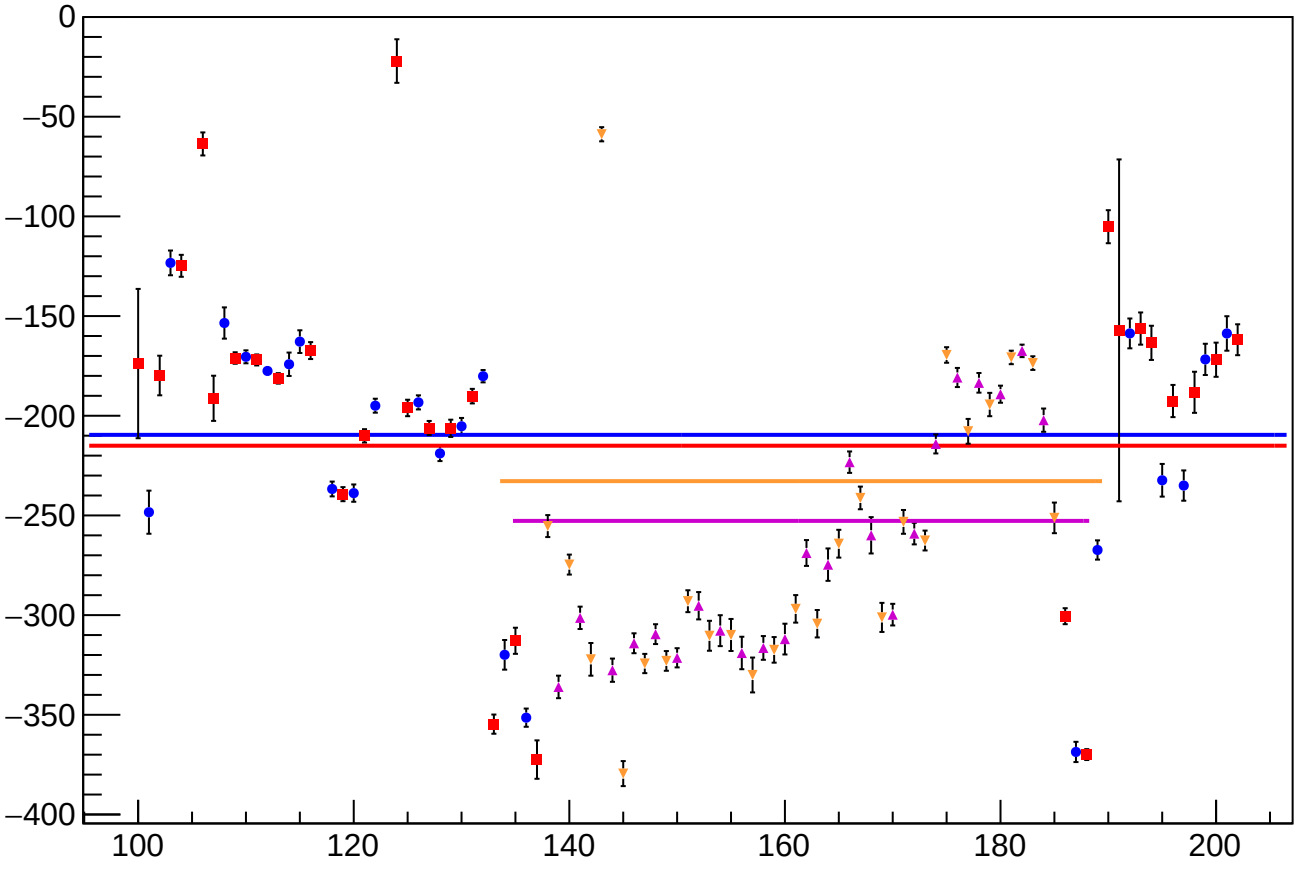
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

\+ sign 121.336+/-0.033 χ^2/NDF: 262577.1/47

All: 117.977+/-0.023 χ^2/NDF: 1053437.7/99

\- sign 114.755+/-0.033 χ^2/NDF: 771139.0/51

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -209.584+/-0.947 χ^2/NDF: 3341.4/22

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

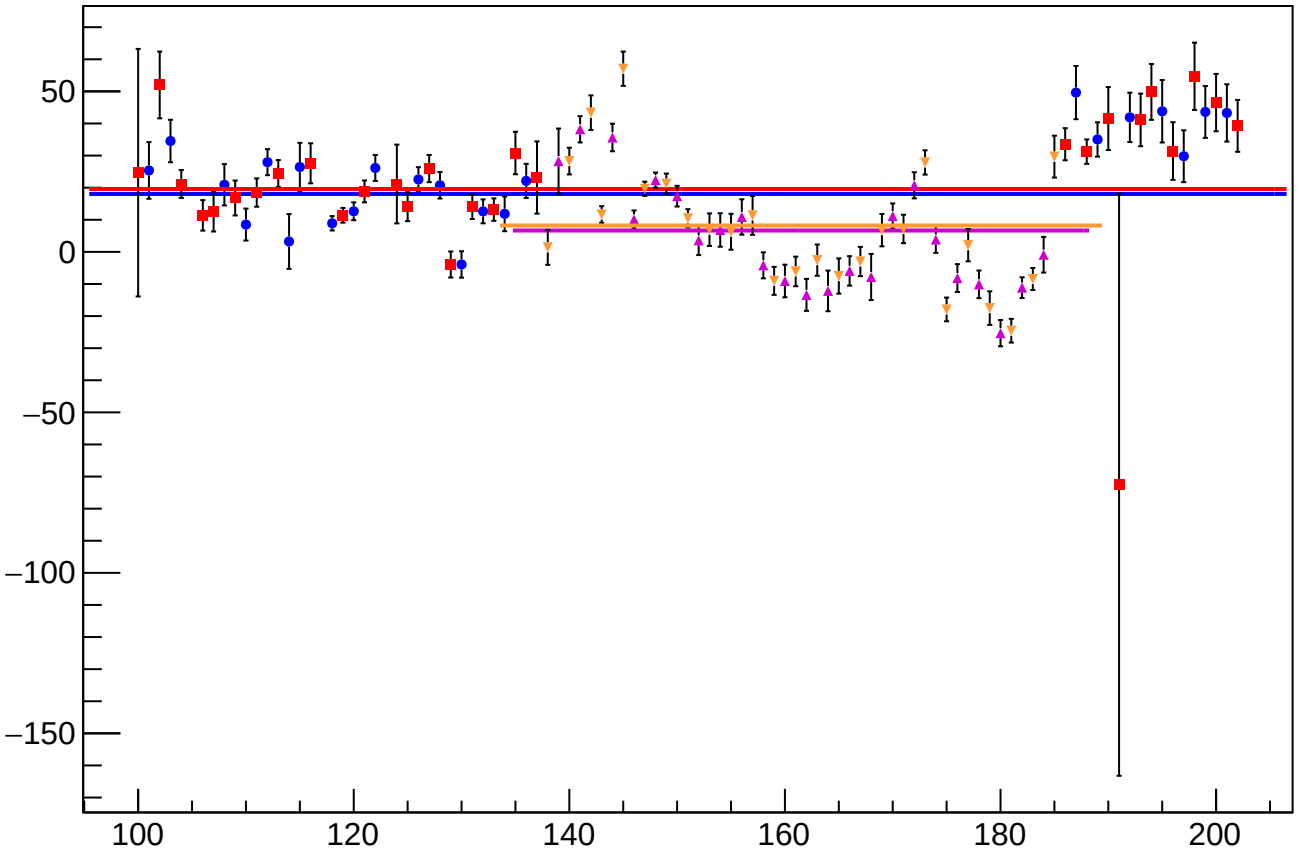
Right Out: -215.028+/-0.861 χ^2/NDF: 7530.2/28

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -219.761+/-0.710 χ^2/NDF: 9368.8/47

All: -224.477+/-0.493 χ^2/NDF: 20602.1/99

- sign -228.870+/-0.685 χ^2/NDF: 11148.0/51



Right In: 18.048+/-0.985 χ^2/NDF: 141.2/22

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.584+/-0.942 χ^2/NDF: 146.1/28

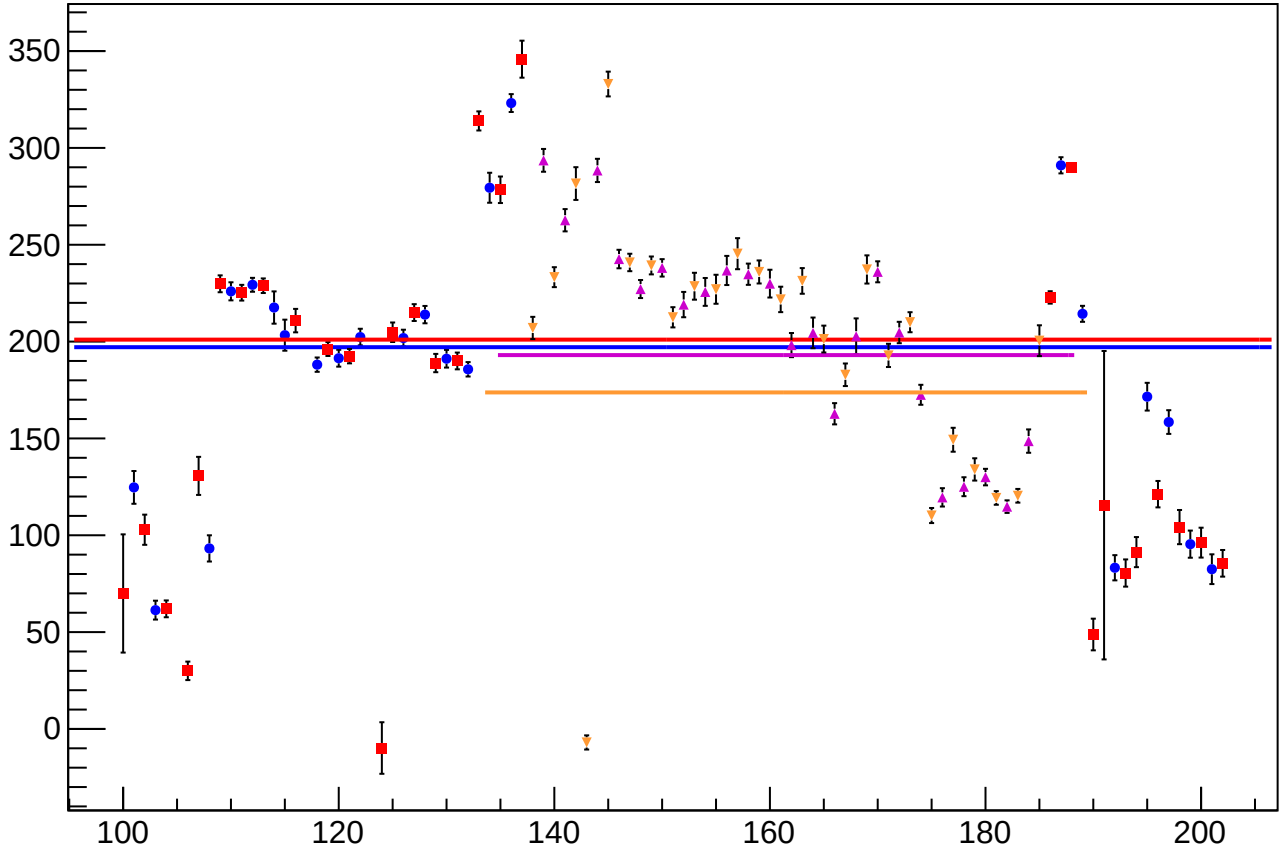
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

\+ sign 12.145+/-0.622 χ^2/NDF: 658.9/47

All: 12.330+/-0.444 χ^2/NDF: 1263.0/99

\- sign 12.522+/-0.634 χ^2/NDF: 603.9/51

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 197.109+/-1.041 χ^2/NDF: 3422.1/22

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 201.012+/-0.919 χ^2/NDF: 7071.0/28

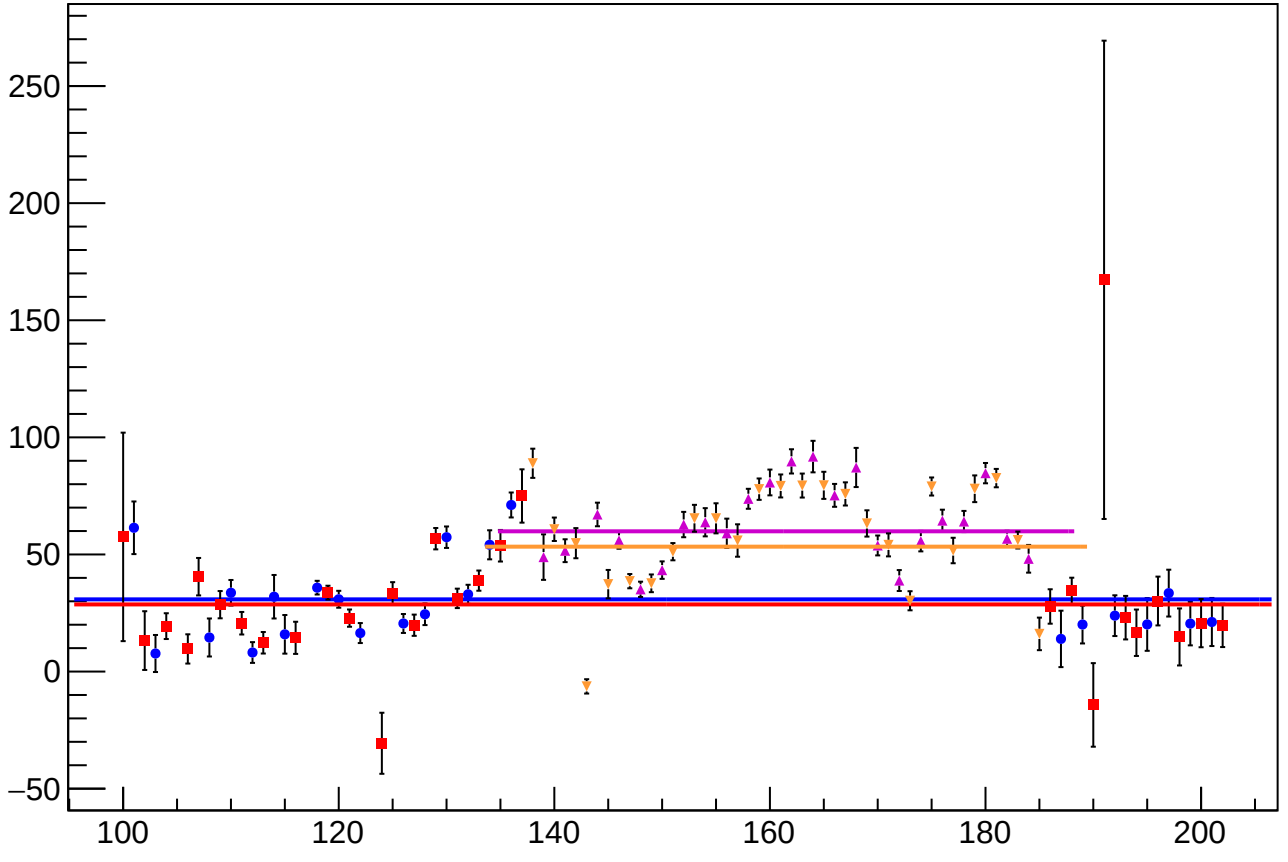
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 185.735+/-0.746 χ^2/NDF: 8928.0/47

All: 192.055+/-0.515 χ^2/NDF: 18678.4/99

- sign 197.803+/-0.711 χ^2/NDF: 9613.3/51

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 30.831+/-1.155 χ^2/NDF: 185.1/22

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.666+/-1.111 χ^2/NDF: 154.5/28

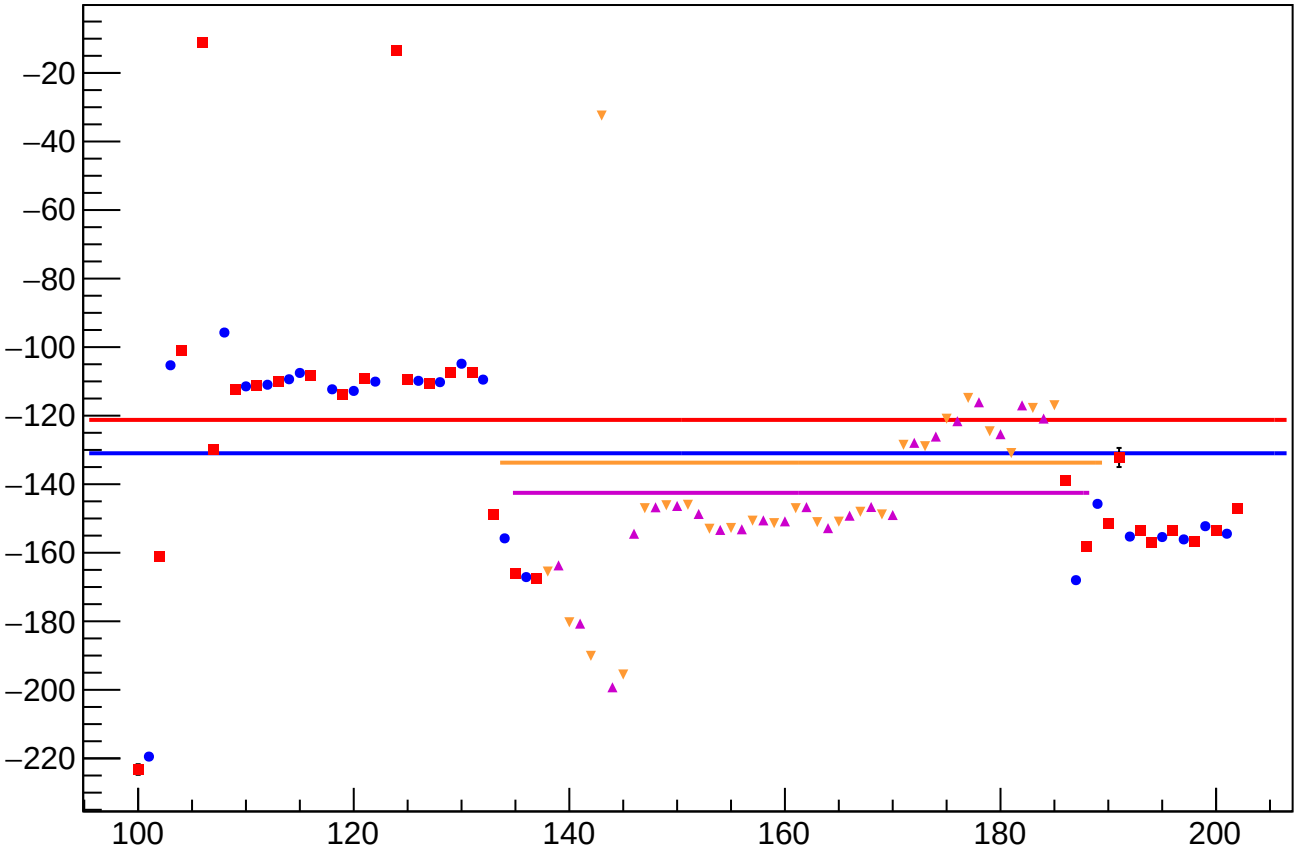
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 44.574+/-0.720 χ^2/NDF: 1195.9/47

All: 45.407+/-0.514 χ^2/NDF: 2049.9/99

- sign 46.271+/-0.734 χ^2/NDF: 851.2/51

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -130.971+/-0.066 χ^2/NDF: 170891.1/22

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -121.235+/-0.061 χ^2/NDF: 489683.2/28

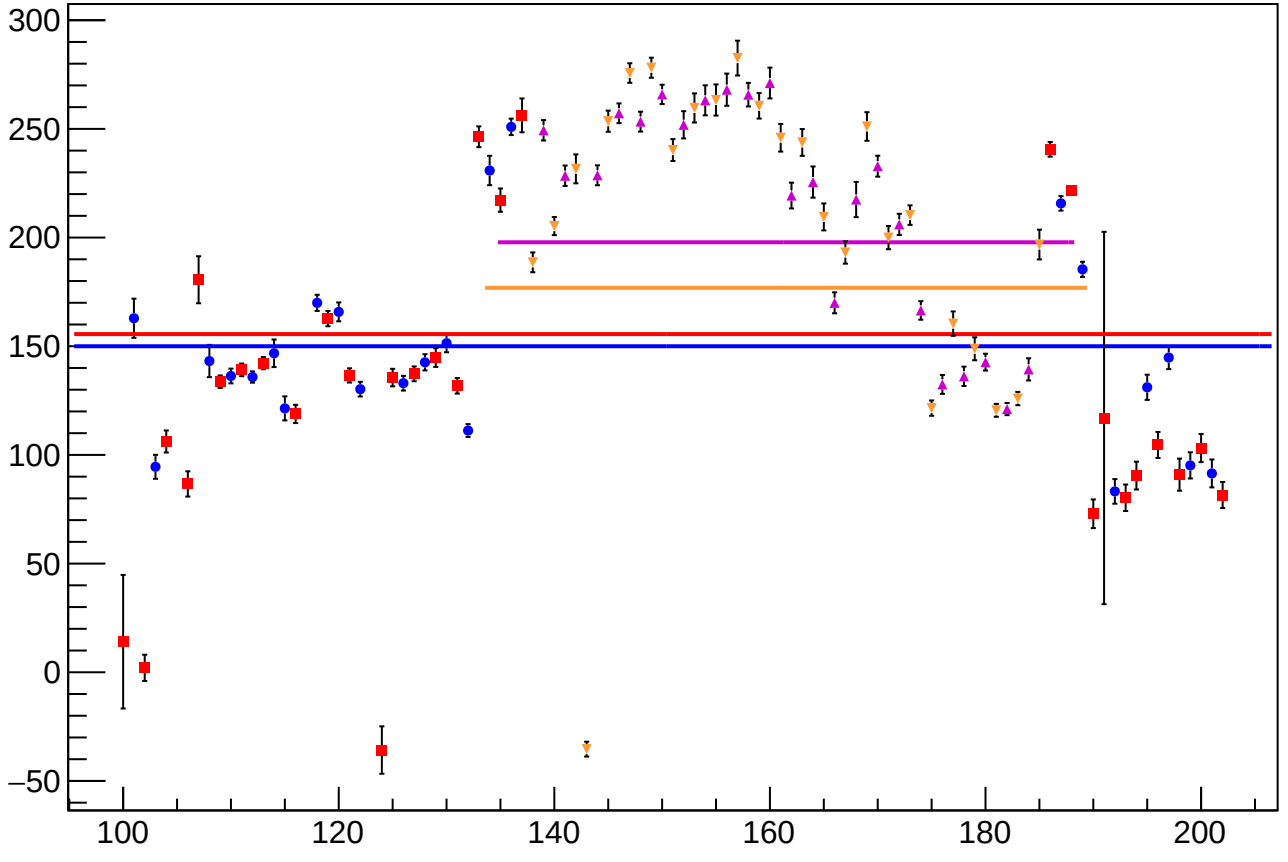
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -132.904+/-0.036 χ^2/NDF: 848018.3/47

All: -134.045+/-0.025 χ^2/NDF: 1597320.3/99

- sign -135.184+/-0.036 χ^2/NDF: 747294.2/51

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 149.999+/-0.872 χ^2/NDF: 2120.5/22

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 155.589+/-0.776 χ^2/NDF: 4994.5/28

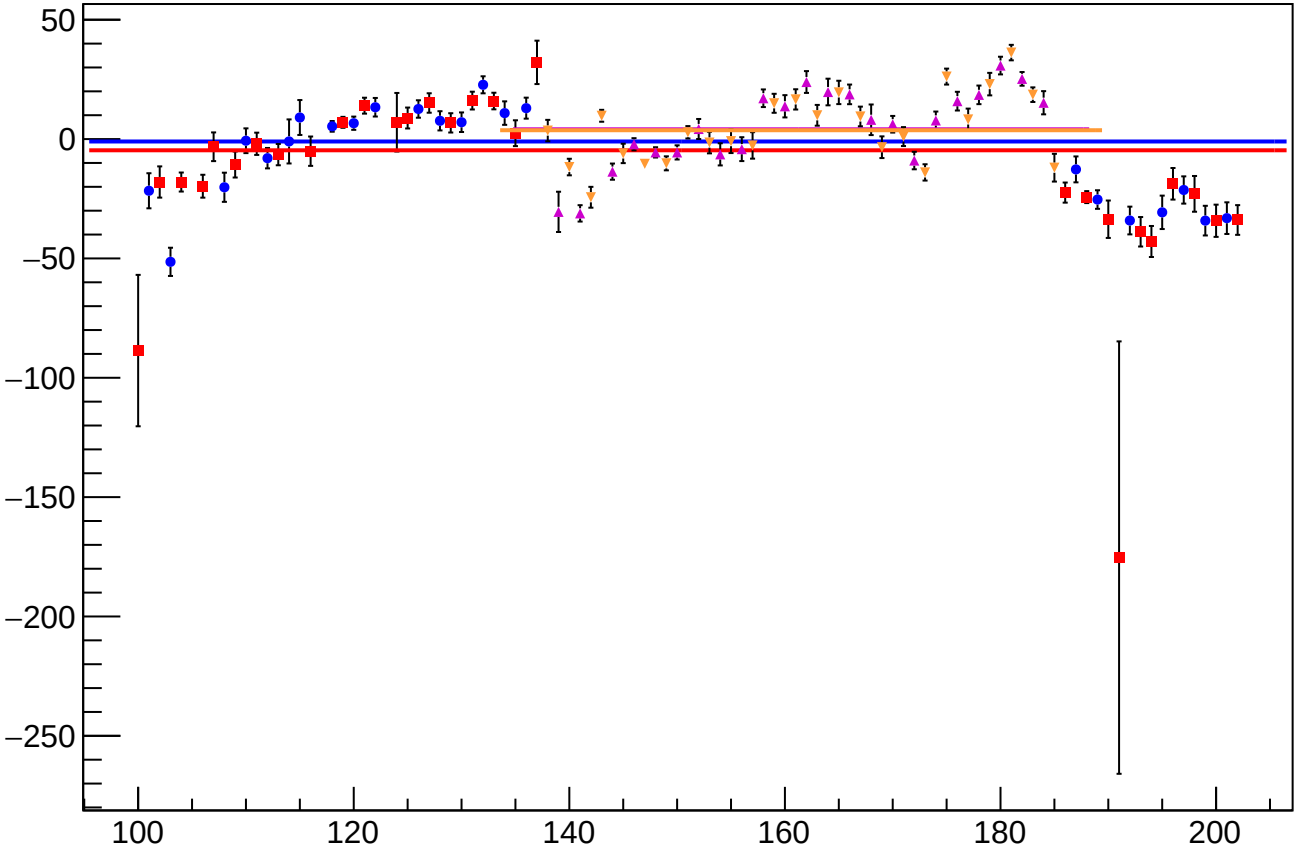
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

\+ sign 162.191+/-0.645 χ^2/NDF: 9976.0/47

All: 166.992+/-0.445 χ^2/NDF: 19148.9/99

\- sign 171.354+/-0.615 χ^2/NDF: 9067.1/51

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.009+/-0.917 χ^2/NDF: 365.7/22

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -4.695+/-0.862 χ^2/NDF: 431.2/28

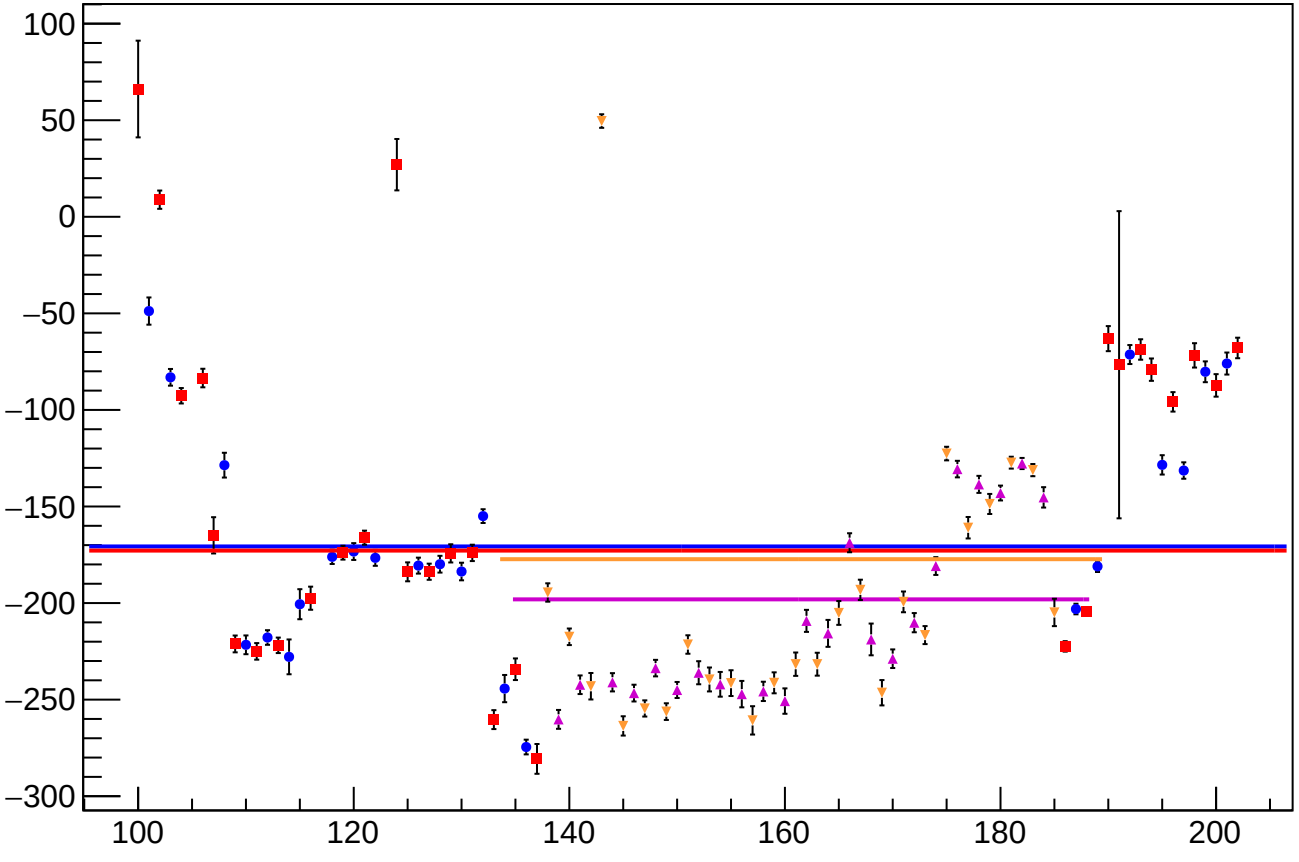
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 1.899+/-0.568 χ^2/NDF: 782.9/47

All: 1.059+/-0.404 χ^2/NDF: 1675.5/99

- sign 0.202+/-0.574 χ^2/NDF: 888.2/51

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -170.688+/-0.911 χ^2/NDF: 3240.4/22

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -172.829+/-0.778 χ^2/NDF: 6488.1/28

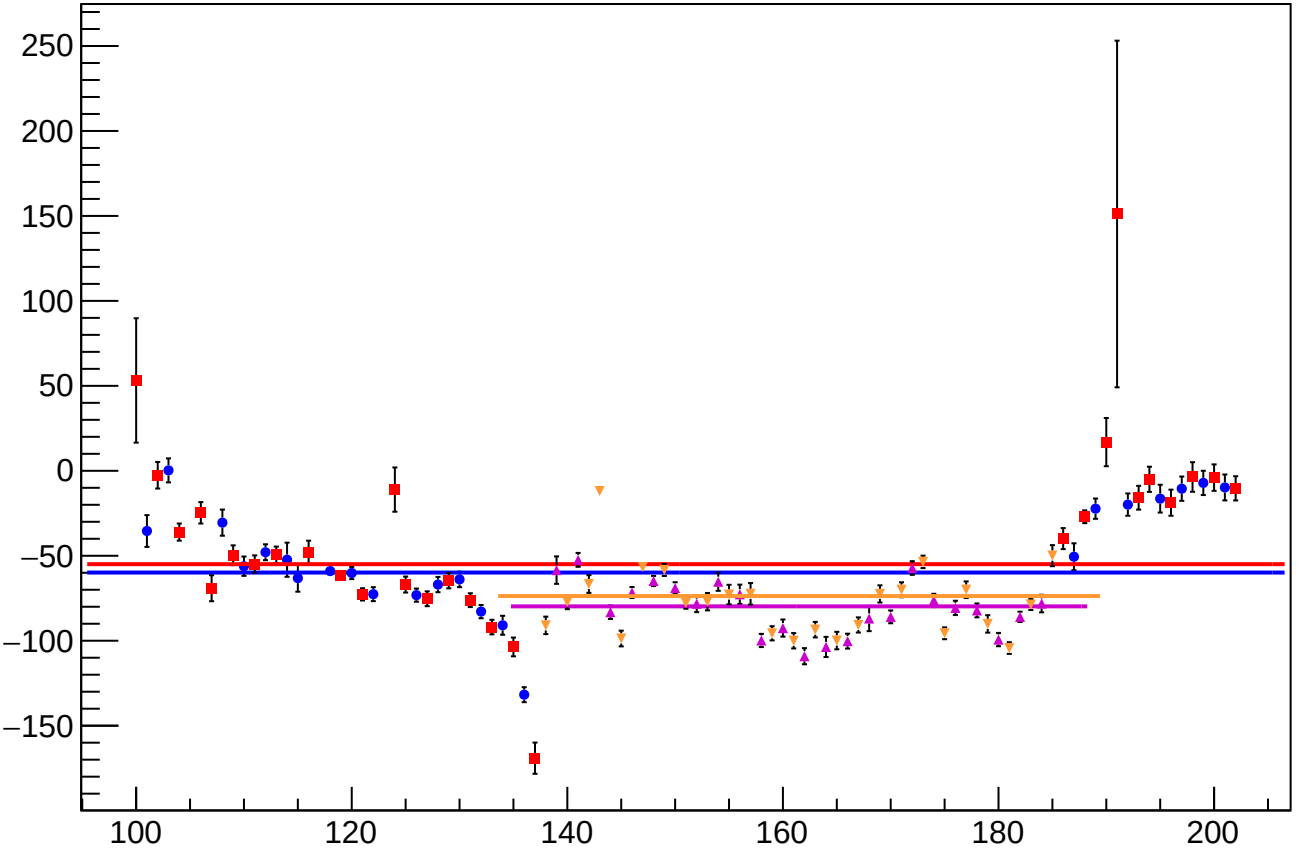
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -173.827+/-0.660 χ^2/NDF: 10305.3/47

All: -178.395+/-0.449 χ^2/NDF: 19666.5/99

- sign -182.353+/-0.614 χ^2/NDF: 9271.7/51

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -59.873+/-1.081 χ^2/NDF: 710.2/22

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -54.944+/-1.030 χ^2/NDF: 811.4/28

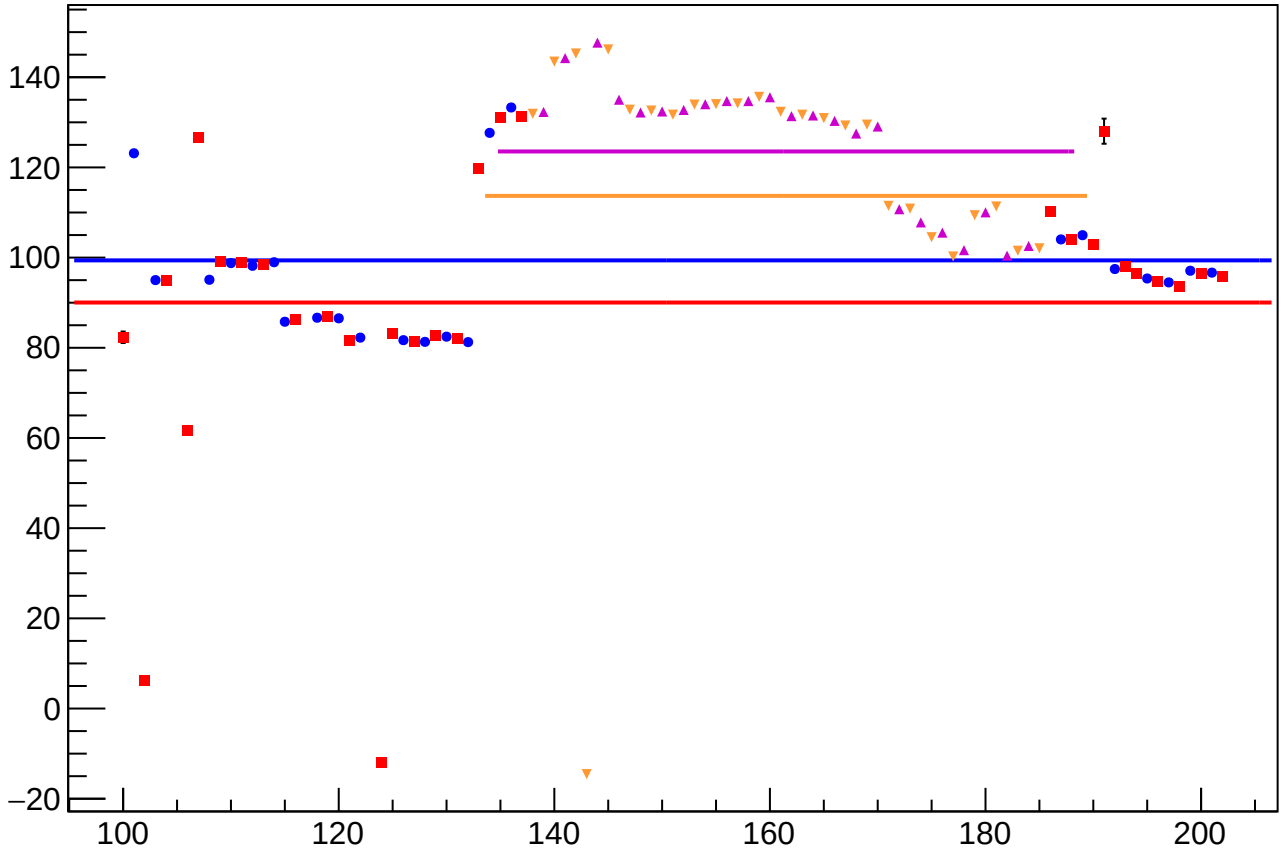
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -68.585+/-0.658 χ^2/NDF: 1652.9/47

All: -68.981+/-0.468 χ^2/NDF: 3080.0/99

- sign -69.387+/-0.667 χ^2/NDF: 1426.3/51

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.384+/-0.058 χ^2/NDF: 69251.7/22

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 90.037+/-0.052 χ^2/NDF: 283557.3/28

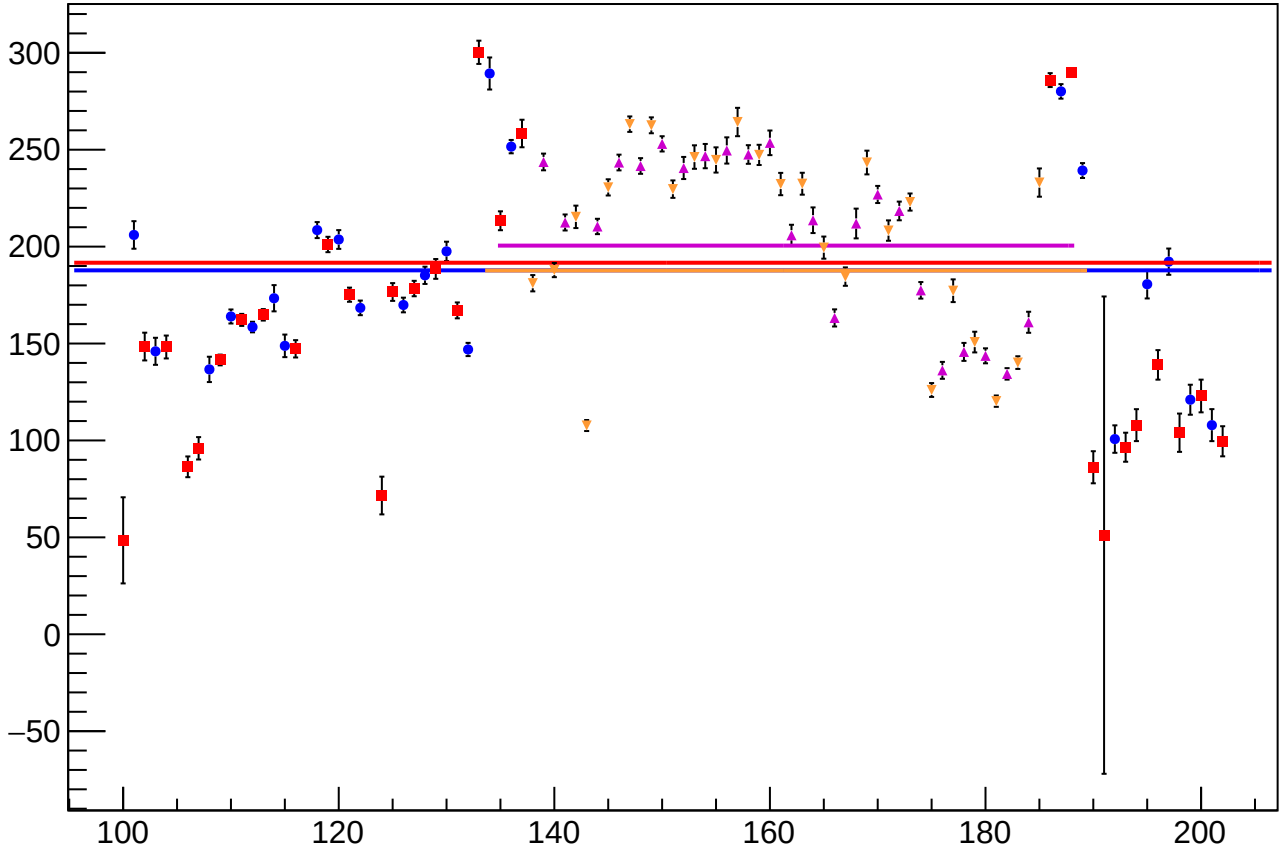
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 109.283+/-0.032 χ^2/NDF: 1075220.5/47

All: 110.335+/-0.022 χ^2/NDF: 1755297.9/99

- sign 111.369+/-0.032 χ^2/NDF: 677920.5/51

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 187.756+/-0.966 χ^2/NDF: 2142.4/22

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

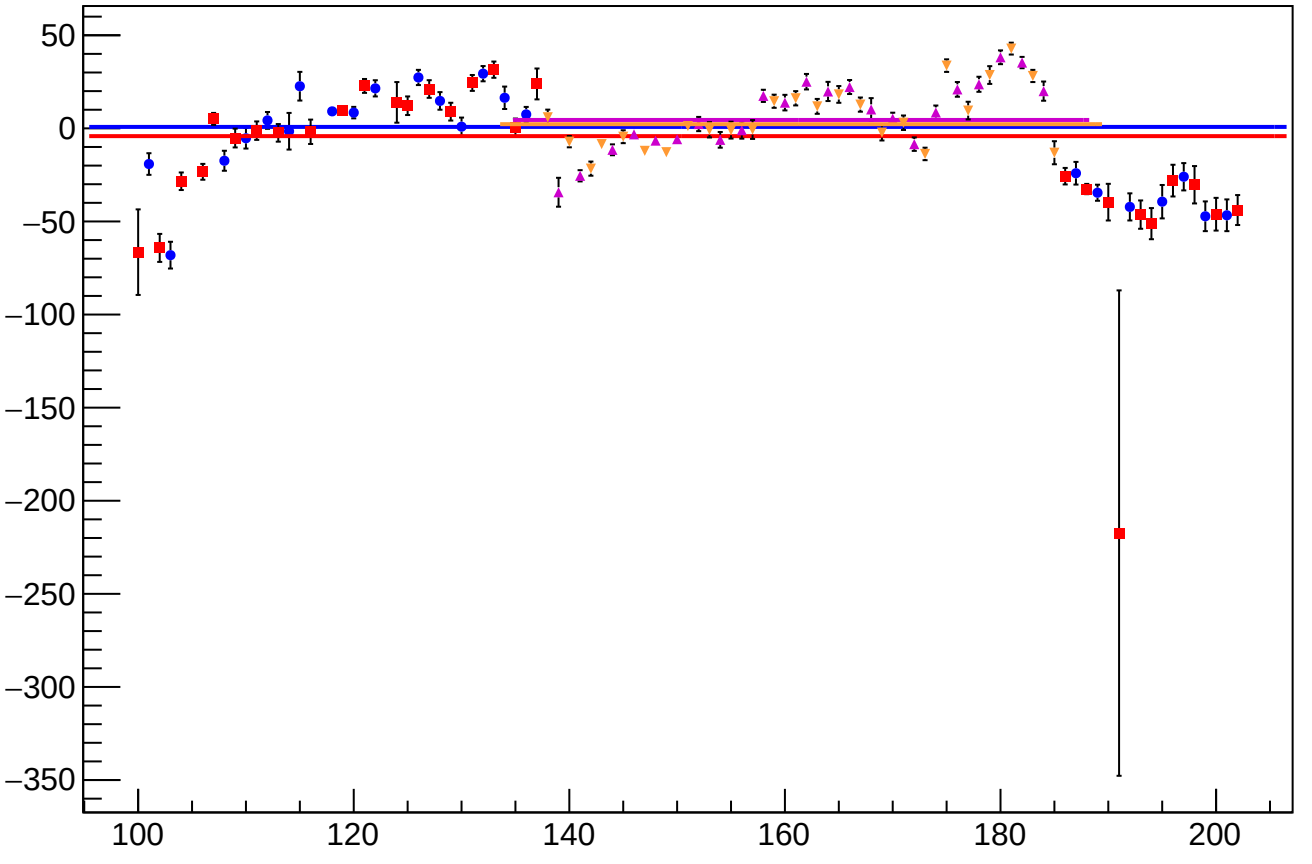
Right Out: 191.687+/-0.846 χ^2/NDF: 5972.2/28

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 187.716+/-0.657 χ^2/NDF: 5670.8/47

All: 191.790+/-0.456 χ^2/NDF: 13876.4/99

\- sign 195.570+/-0.633 χ^2/NDF: 8131.6/51



Right In: 0.776+/-1.017 χ^2/NDF: 493.5/22

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

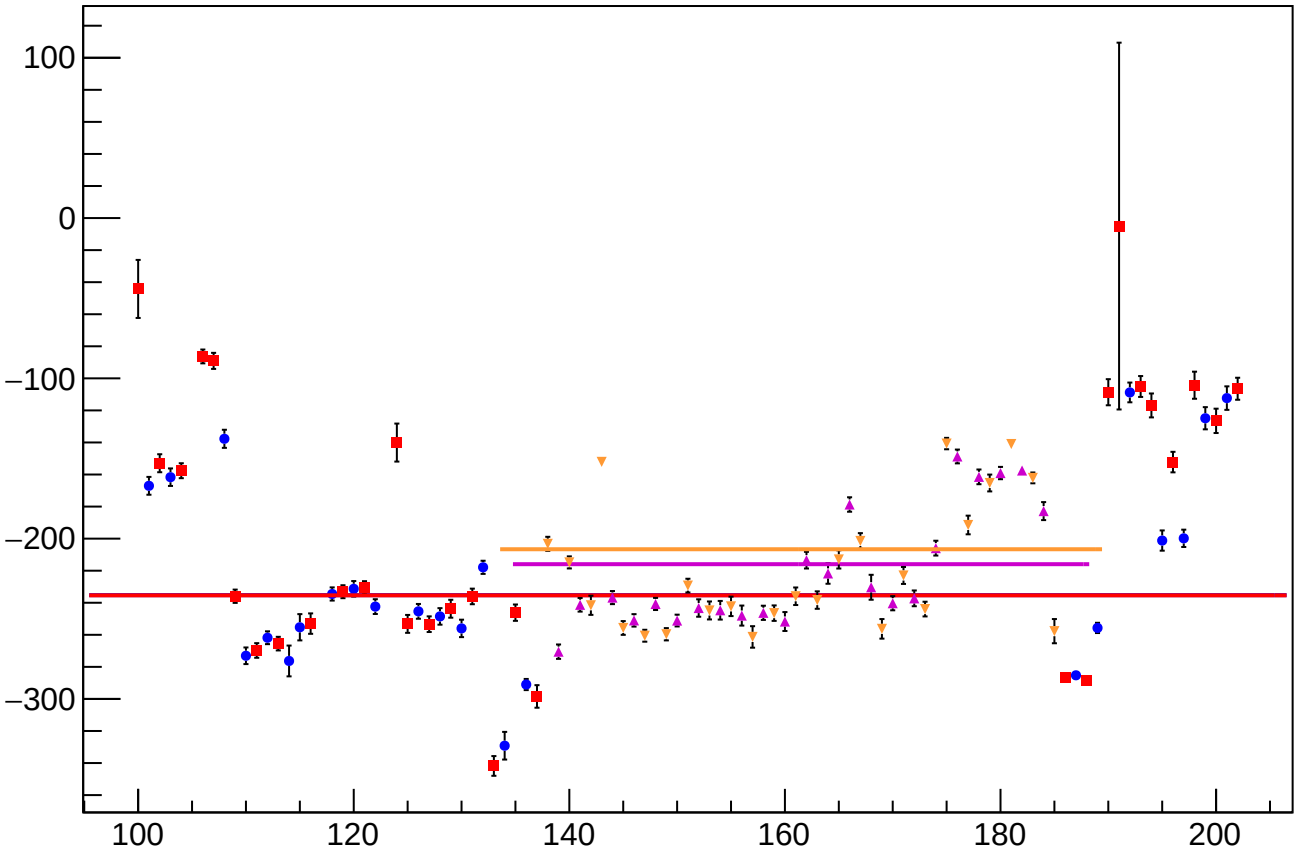
Right Out: -4.177+/-0.927 χ^2/NDF: 650.9/28

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.806+/-0.556 χ^2/NDF: 1095.8/47

All: 1.546+/-0.397 χ^2/NDF: 2349.4/99

- sign 1.278+/-0.566 χ^2/NDF: 1253.2/51



Right In: -235.258+/-1.014 χ^2/NDF: 2506.9/22

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

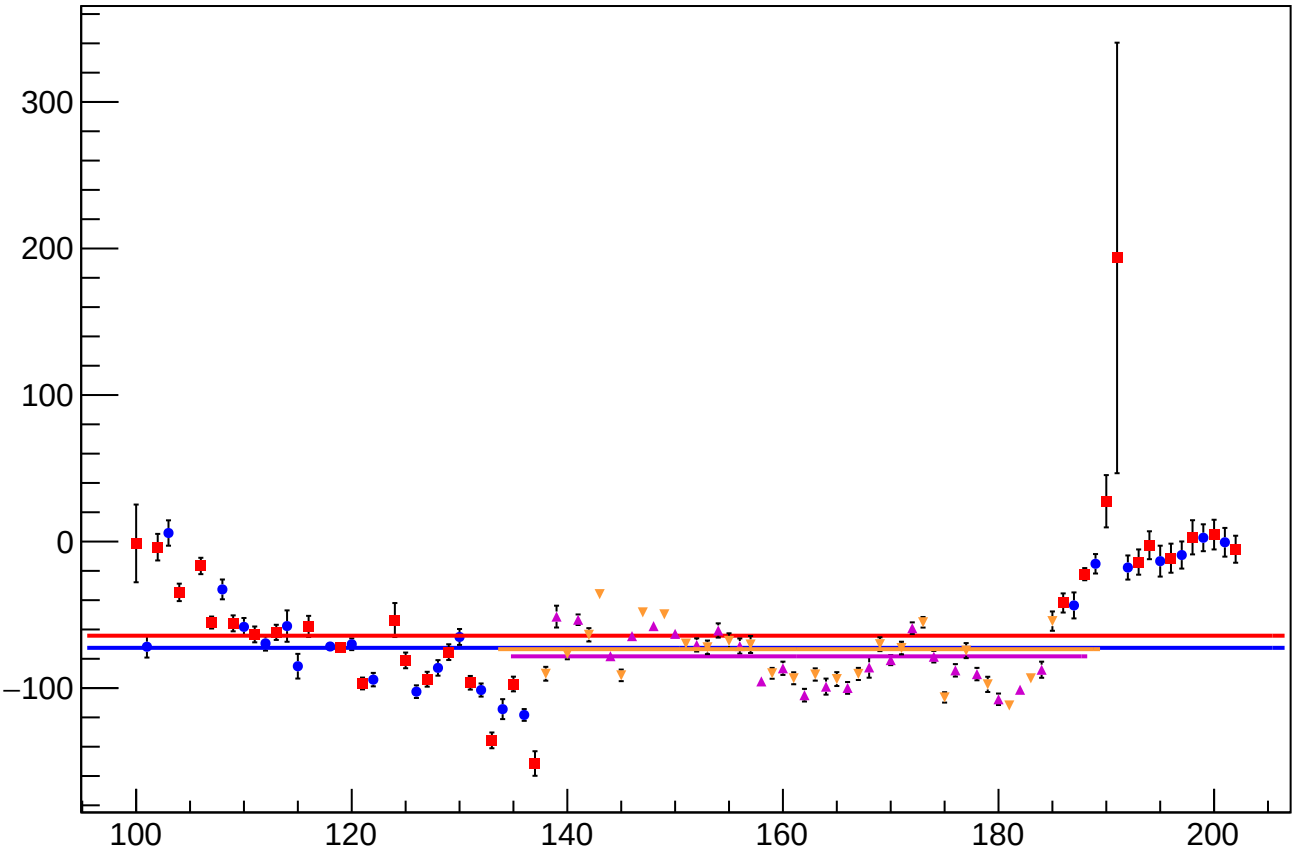
Right Out: -235.373+/-0.853 χ^2/NDF: 6555.9/28

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.159+/-0.671 χ^2/NDF: 5423.4/47

All: -223.124+/-0.461 χ^2/NDF: 13990.2/99

- sign -226.660+/-0.633 χ^2/NDF: 8500.6/51



Right In: -72.530+/-1.198 χ^2/NDF: 743.8/22

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

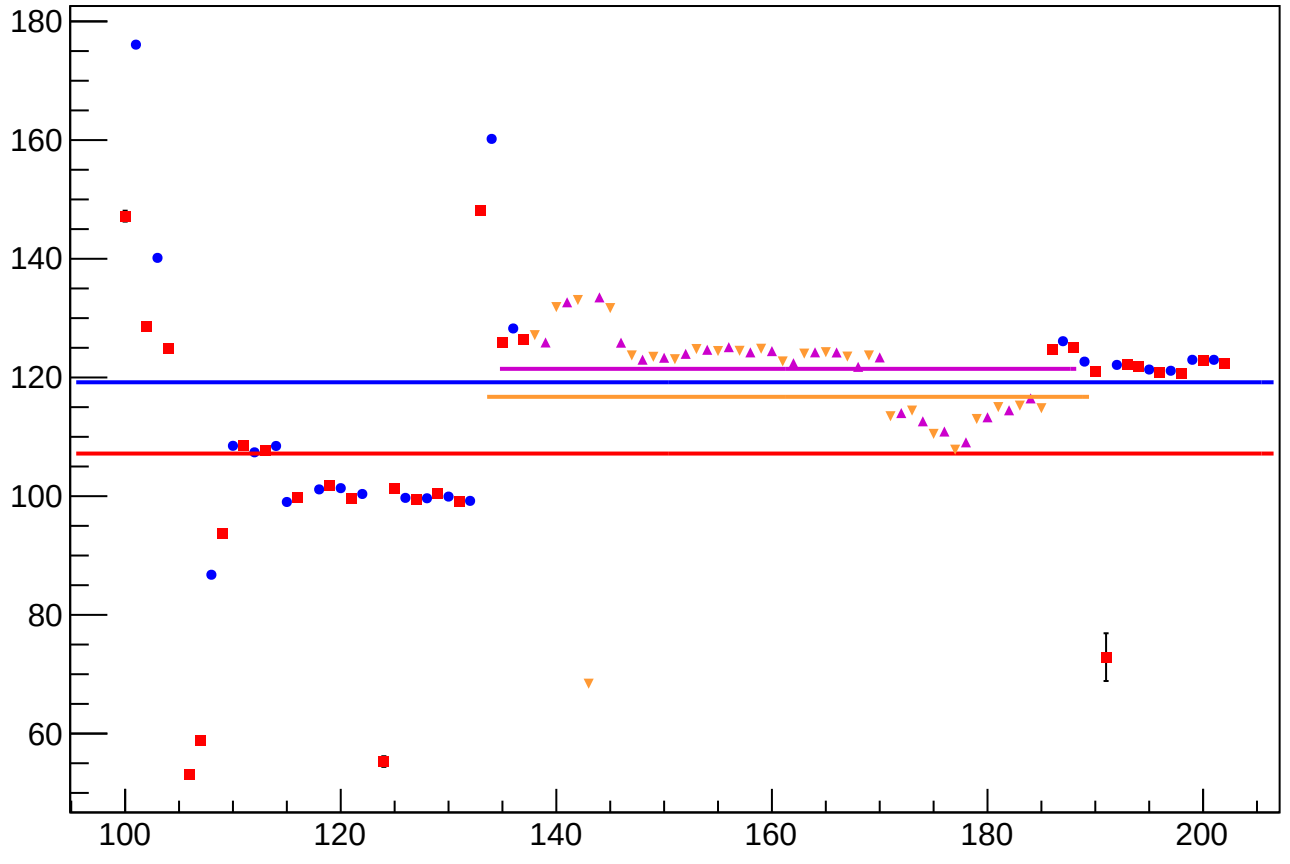
Right Out: -64.244+/-1.112 χ^2/NDF: 1019.7/28

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.166+/-0.646 χ^2/NDF: 1580.7/47

All: -73.274+/-0.461 χ^2/NDF: 3147.9/99

- sign -73.387+/-0.659 χ^2/NDF: 1567.1/51



Right In: 119.191+/-0.065 χ^2/NDF: 96693.4/22

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

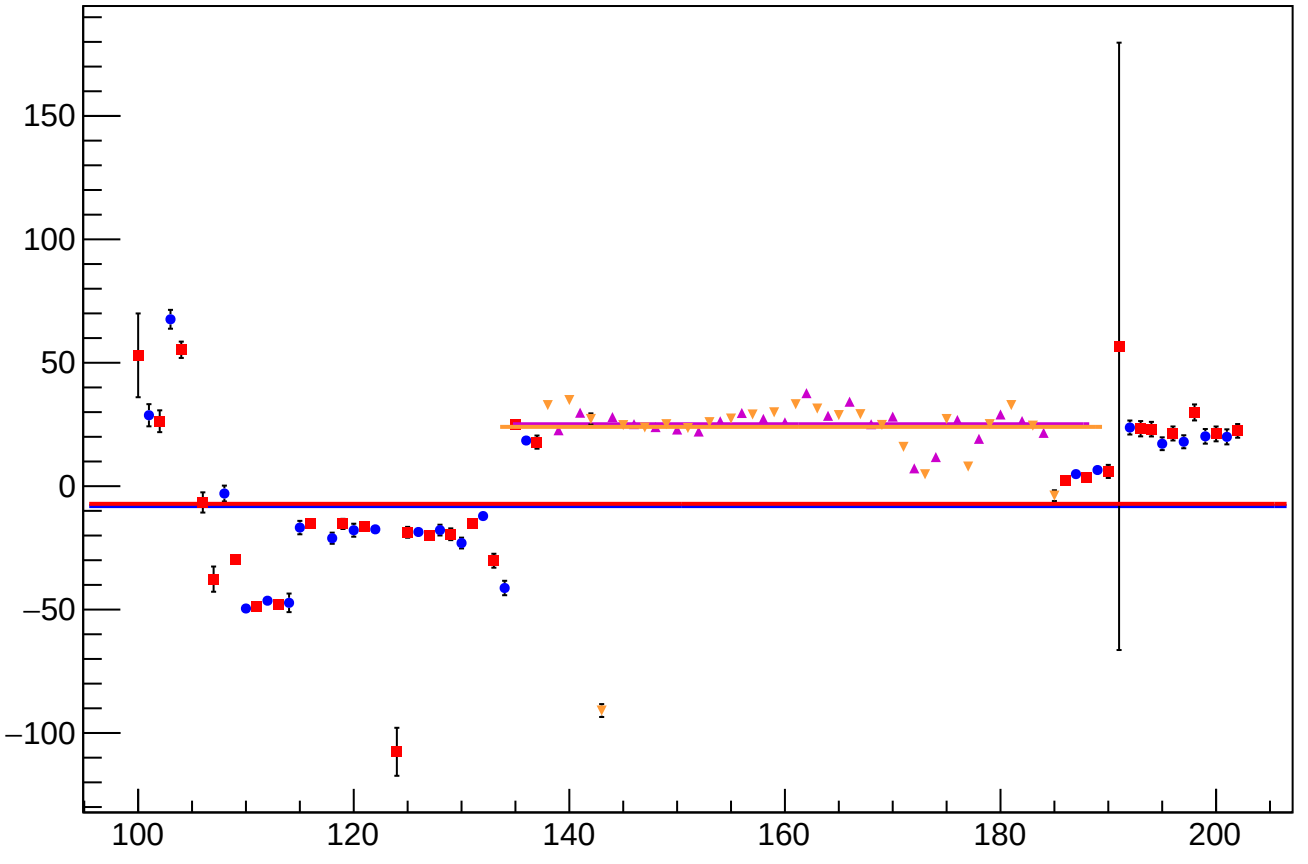
Right Out: 107.182+/-0.058 χ^2/NDF: 201853.6/28

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.315+/-0.031 χ^2/NDF: 301442.1/47

All: 117.277+/-0.022 χ^2/NDF: 575420.1/99

- sign 117.239+/-0.031 χ^2/NDF: 273975.0/51



Right In: -8.078+/-0.464 χ^2/NDF: 2909.9/22

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -7.154+/-0.411 χ^2/NDF: 3352.3/28

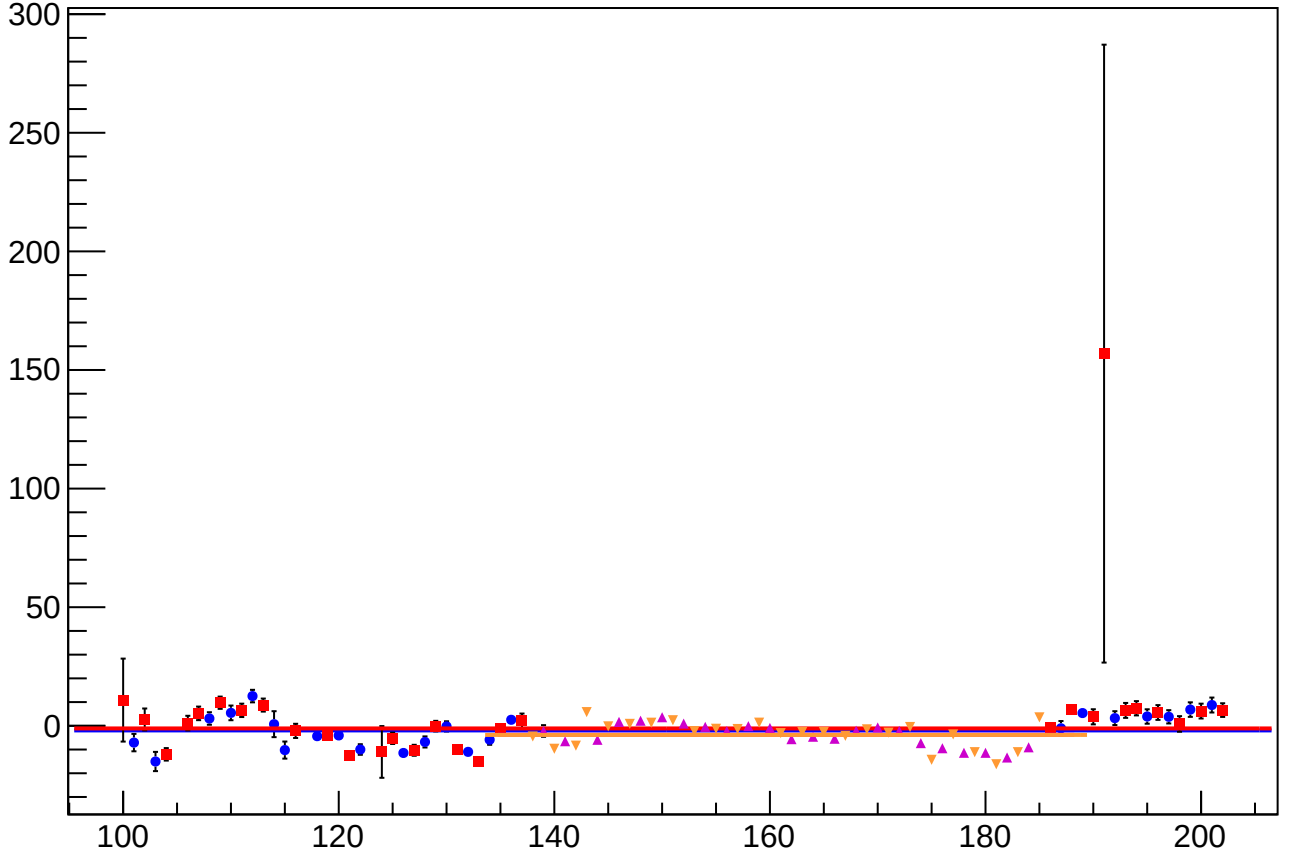
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.378+/-0.241 χ^2/NDF: 9202.3/47

All: 14.937+/-0.168 χ^2/NDF: 17189.0/99

- sign 14.516+/-0.235 χ^2/NDF: 7980.2/51

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -1.939+/-0.490 χ^2/NDF: 176.7/22

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.106+/-0.459 χ^2/NDF: 248.4/28

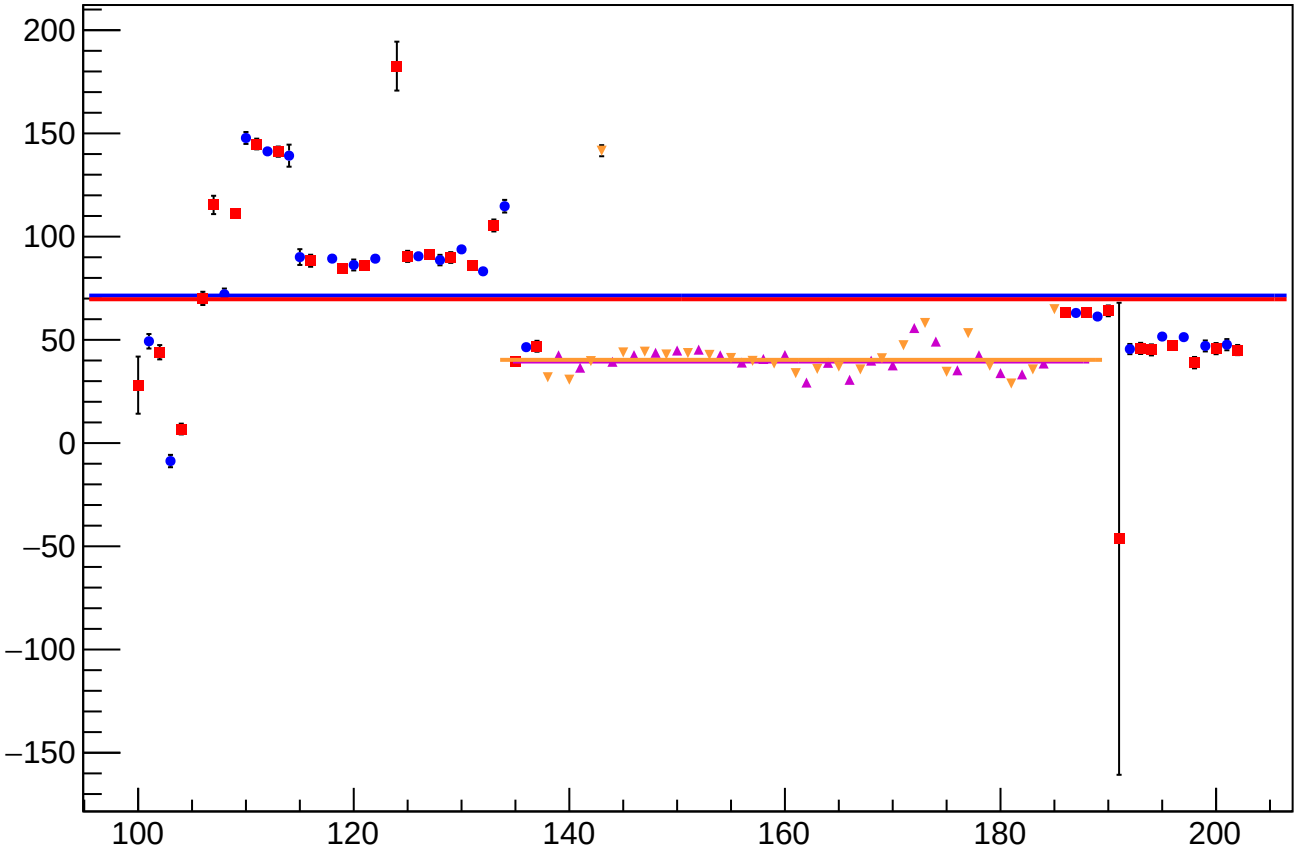
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.530+/-0.199 χ^2/NDF: 838.7/47

All: -3.400+/-0.141 χ^2/NDF: 1625.2/99

- sign -3.268+/-0.201 χ^2/NDF: 785.6/51

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 71.439+/-0.479 χ^2/NDF: 3993.7/22

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

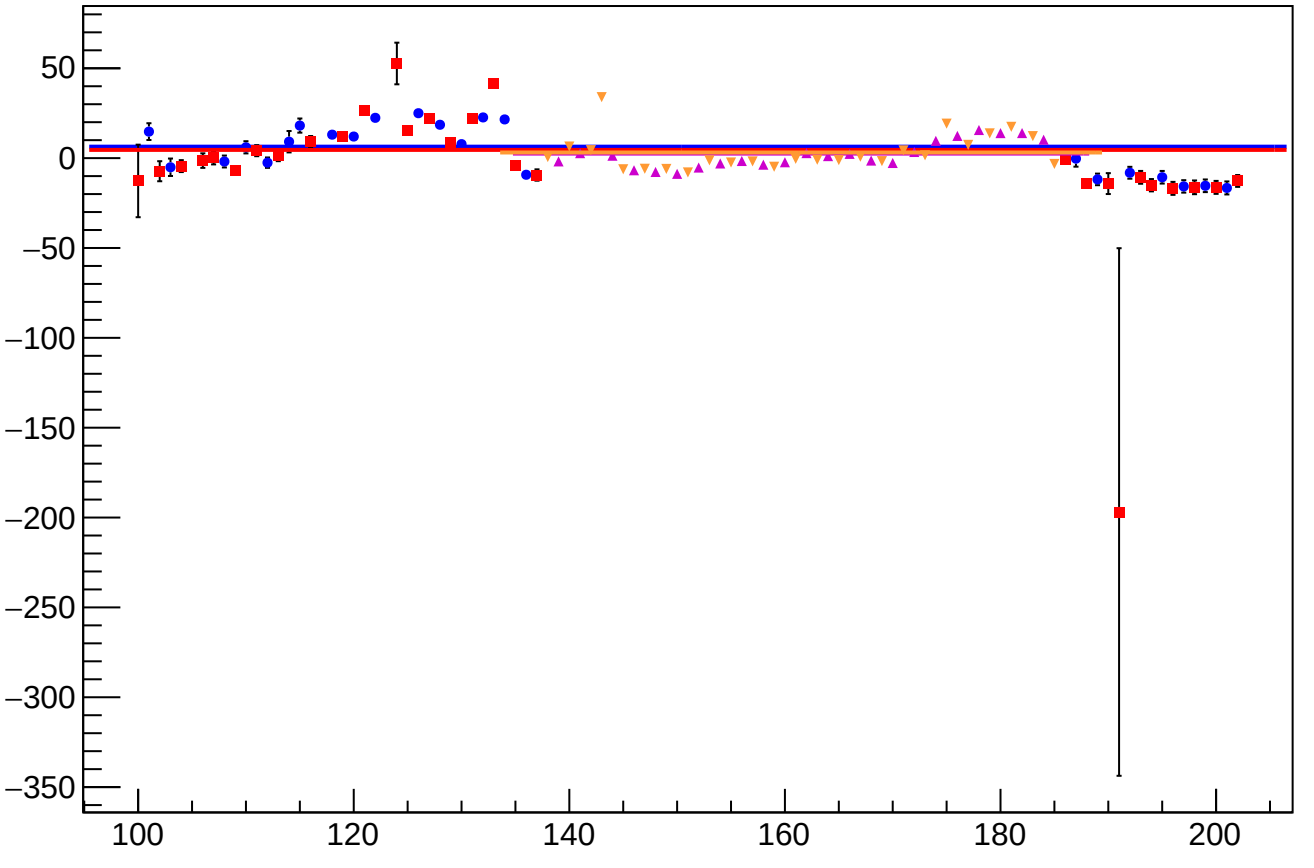
Right Out: 69.657+/-0.407 χ^2/NDF: 4406.2/28

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.248+/-0.242 χ^2/NDF: 9322.5/47

All: 48.844+/-0.168 χ^2/NDF: 17853.1/99

- sign 49.399+/-0.233 χ^2/NDF: 8518.9/51



Right In: 6.382+/-0.567 χ^2/NDF: 596.5/22

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

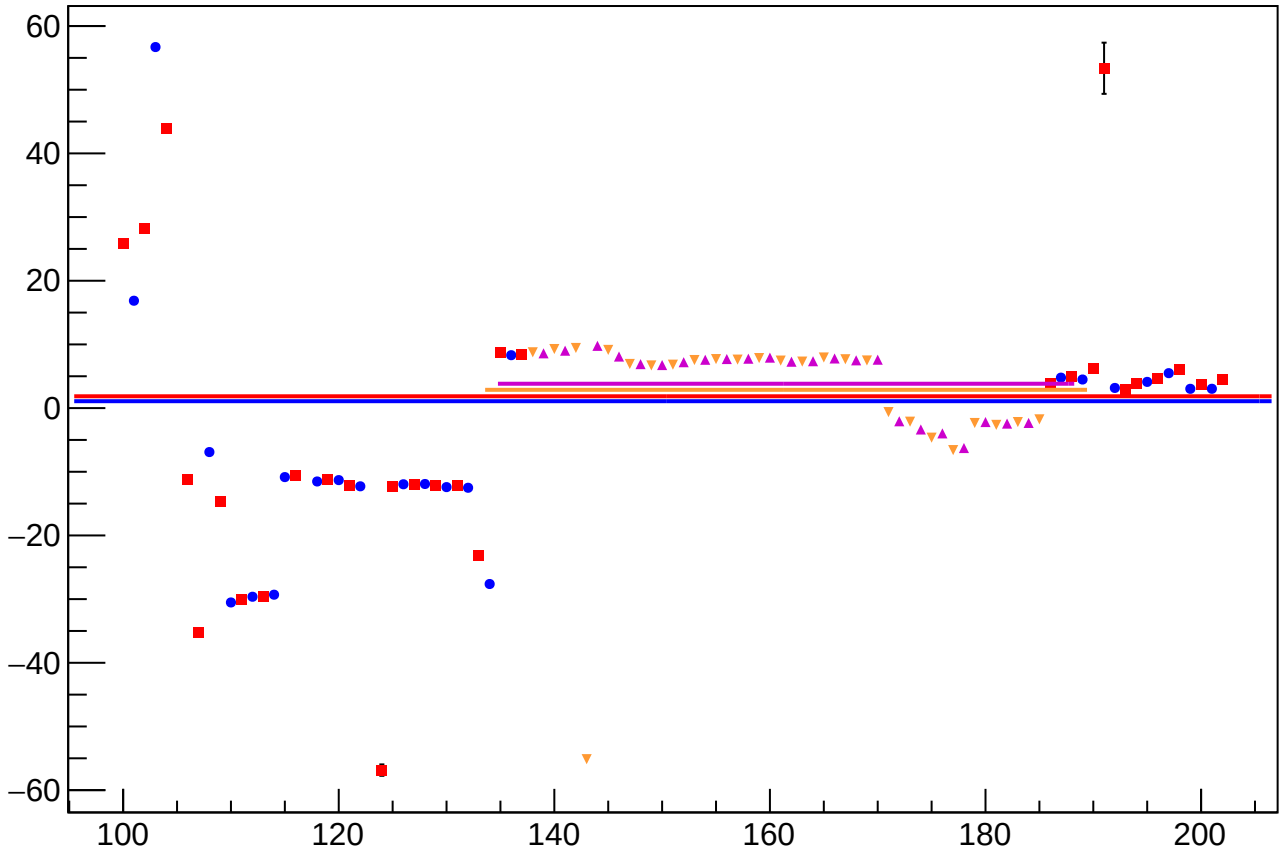
Right Out: 4.581+/-0.547 χ^2/NDF: 821.9/28

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.653+/-0.225 χ^2/NDF: 1891.0/47

All: 3.270+/-0.160 χ^2/NDF: 3698.7/99

- sign 2.878+/-0.228 χ^2/NDF: 1801.8/51



Right In: 1.083+/-0.028 χ^2/NDF: 374869.5/22

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.855+/-0.027 χ^2/NDF: 326106.4/28

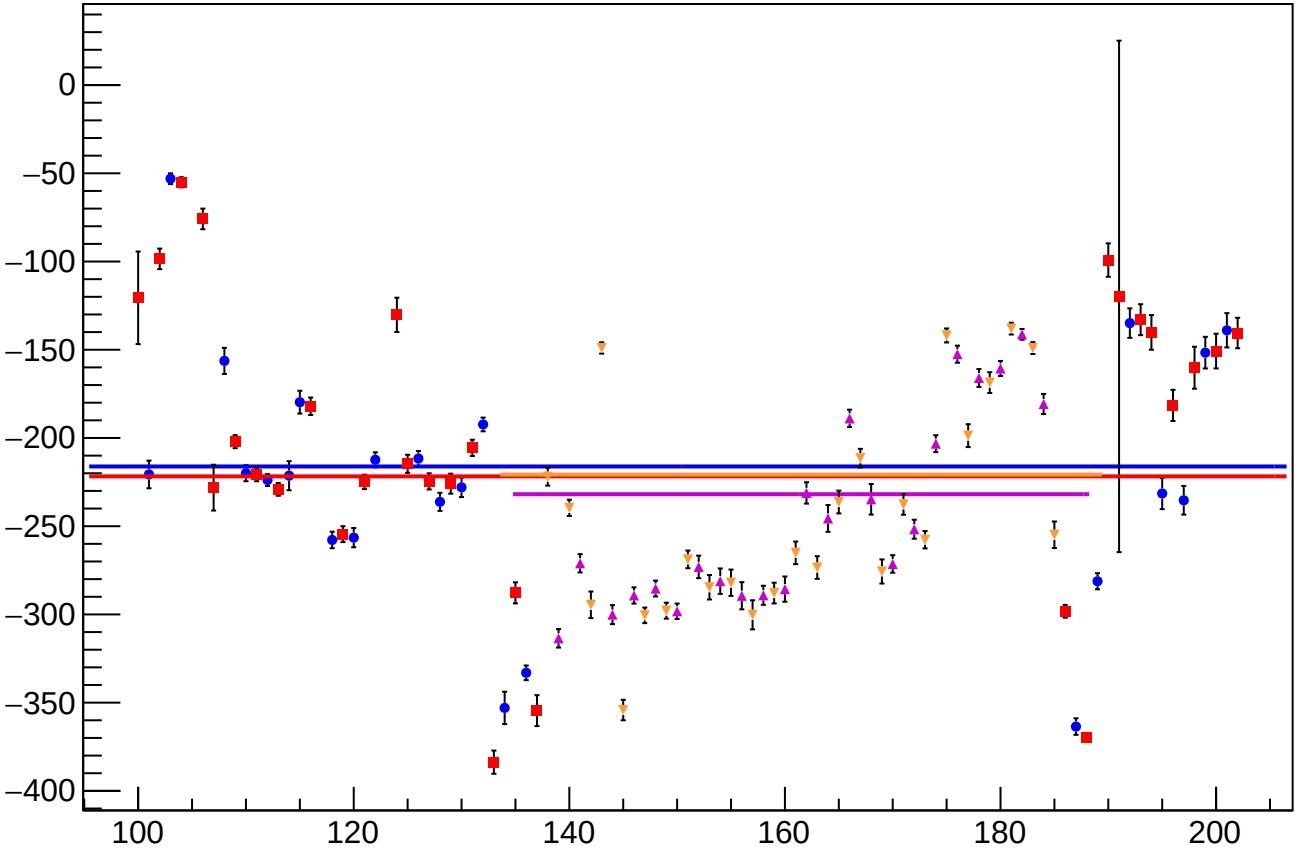
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.628+/-0.010 χ^2/NDF: 890785.1/47

All: 3.079+/-0.007 χ^2/NDF: 1458703.6/99

- sign 3.533+/-0.010 χ^2/NDF: 564009.2/51

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -216.150+/-1.071 χ^2/NDF: 5546.4/22

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -221.756+/-0.950 χ^2/NDF: 10132.2/28

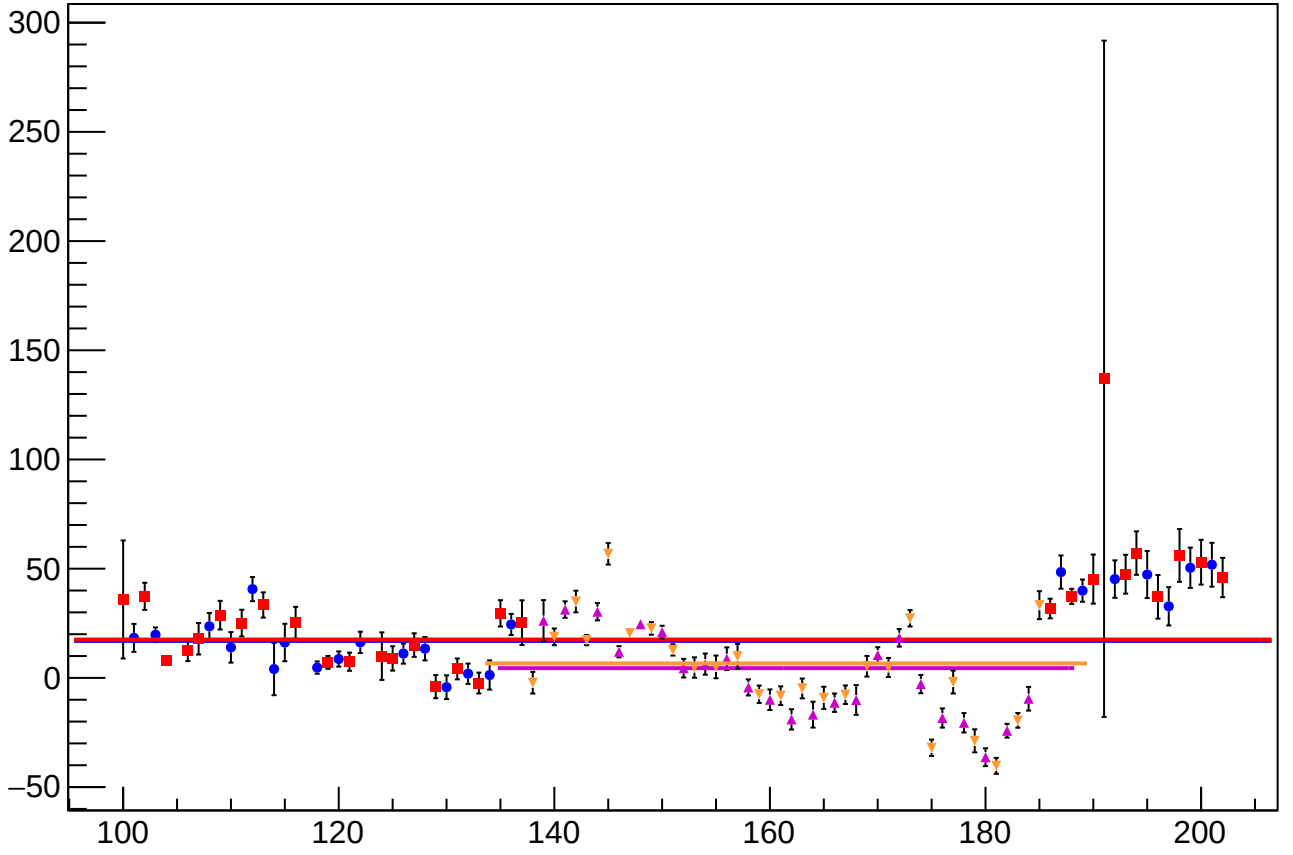
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -218.553+/-0.738 χ^2/NDF: 9608.2/47

All: -222.502+/-0.513 χ^2/NDF: 23005.6/99

- sign -226.183+/-0.712 χ^2/NDF: 13342.1/51

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.956+/-1.115 χ^2/NDF: 166.3/22

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

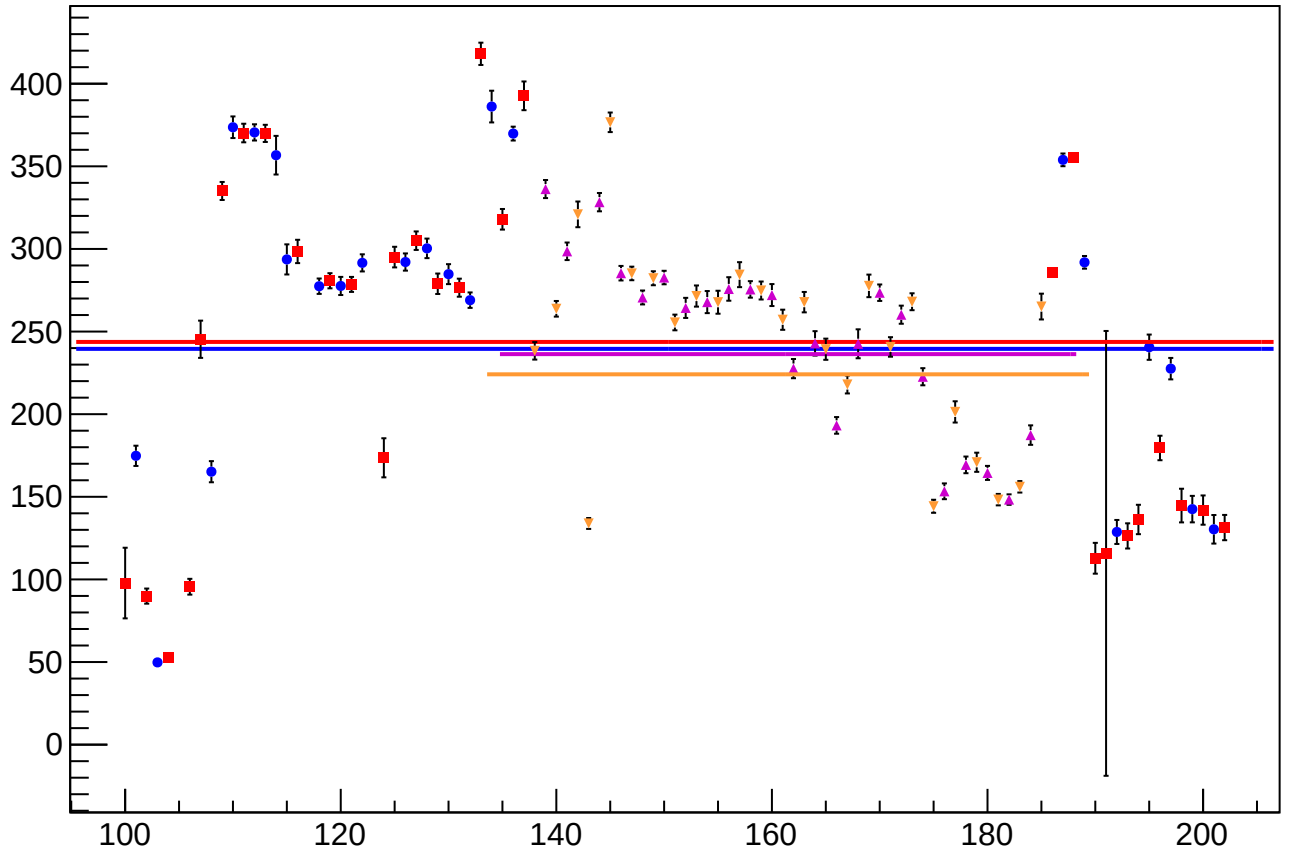
Right Out: 17.551+/-1.001 χ^2/NDF: 222.9/28

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 9.868+/-0.624 χ^2/NDF: 960.0/47

All: 9.739+/-0.443 χ^2/NDF: 1853.9/99

- sign 9.608+/-0.628 χ^2/NDF: 893.8/51



Right In: 239.530+/-1.082 χ^2/NDF: 11044.1/22

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 243.724+/-0.926 χ^2/NDF: 16598.2/28

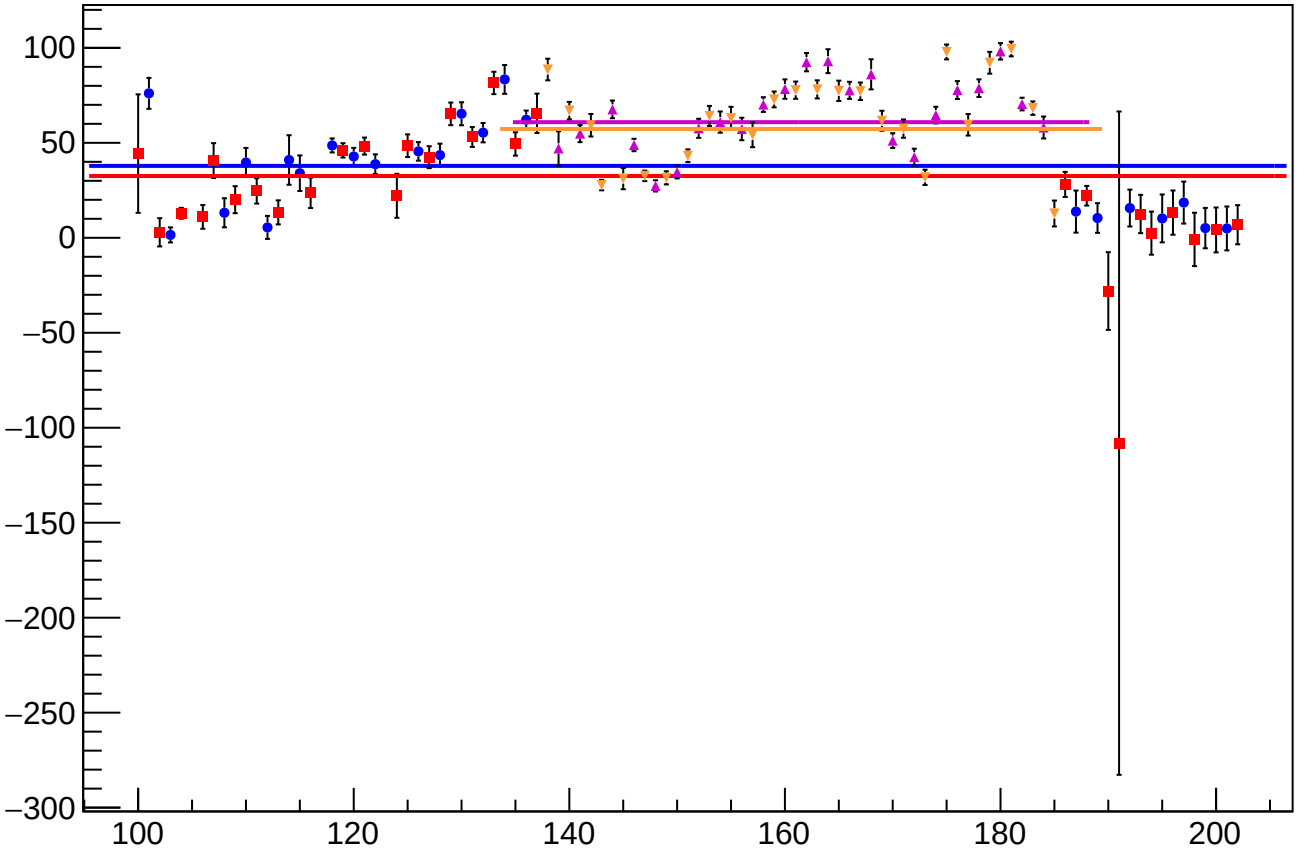
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 231.326+/-0.740 χ^2/NDF: 15118.8/47

All: 236.197+/-0.508 χ^2/NDF: 34819.3/99

- sign 240.551+/-0.699 χ^2/NDF: 19618.4/51

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 37.863+/-1.315 χ^2/NDF: 299.5/22

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

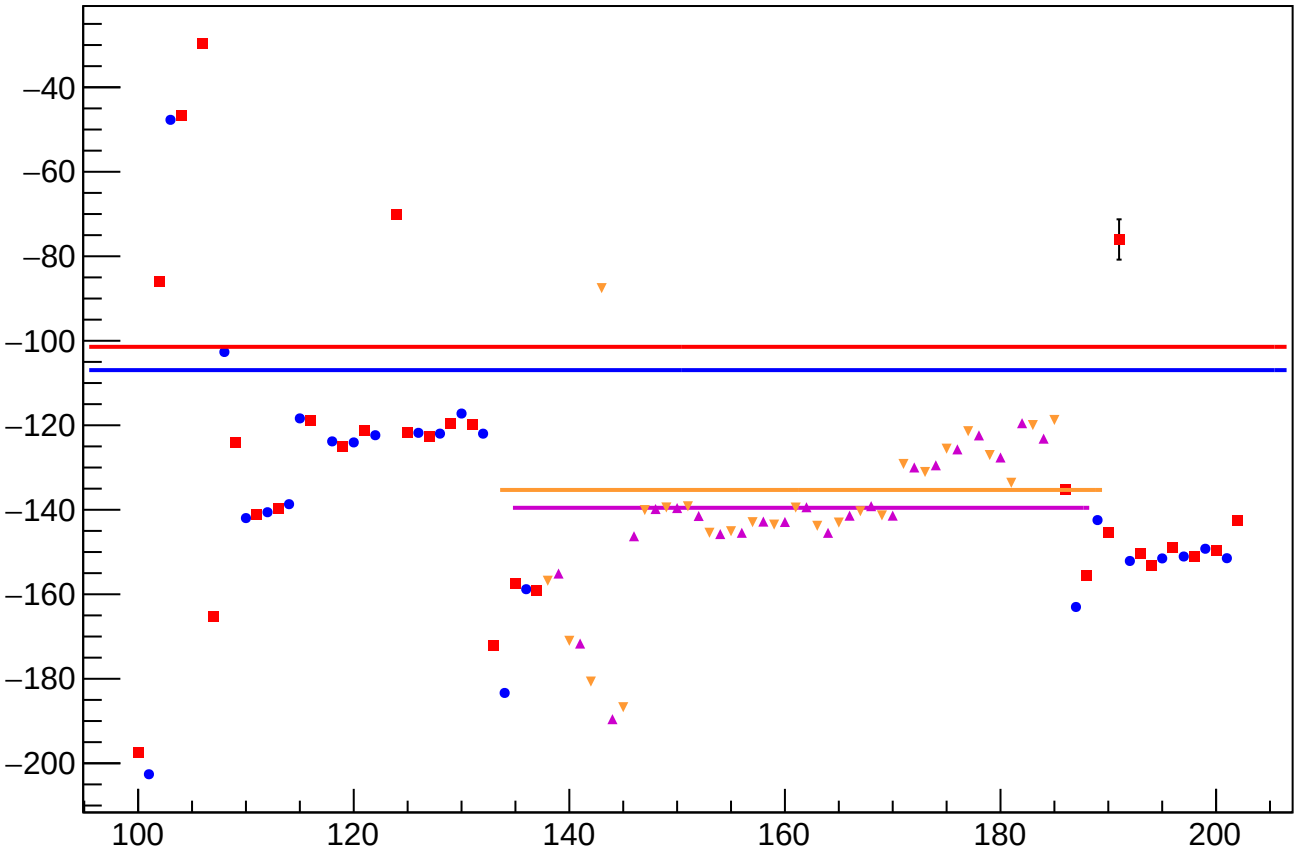
Right Out: 32.527+/-1.207 χ^2/NDF: 304.2/28

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 51.395+/-0.724 χ^2/NDF: 1219.3/47

All: 50.917+/-0.515 χ^2/NDF: 2327.2/99

- sign 50.427+/-0.733 χ^2/NDF: 1107.0/51



Right In: -106.944+/-0.062 χ^2/NDF: 651543.2/22

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -101.433+/-0.058 χ^2/NDF: 707573.5/28

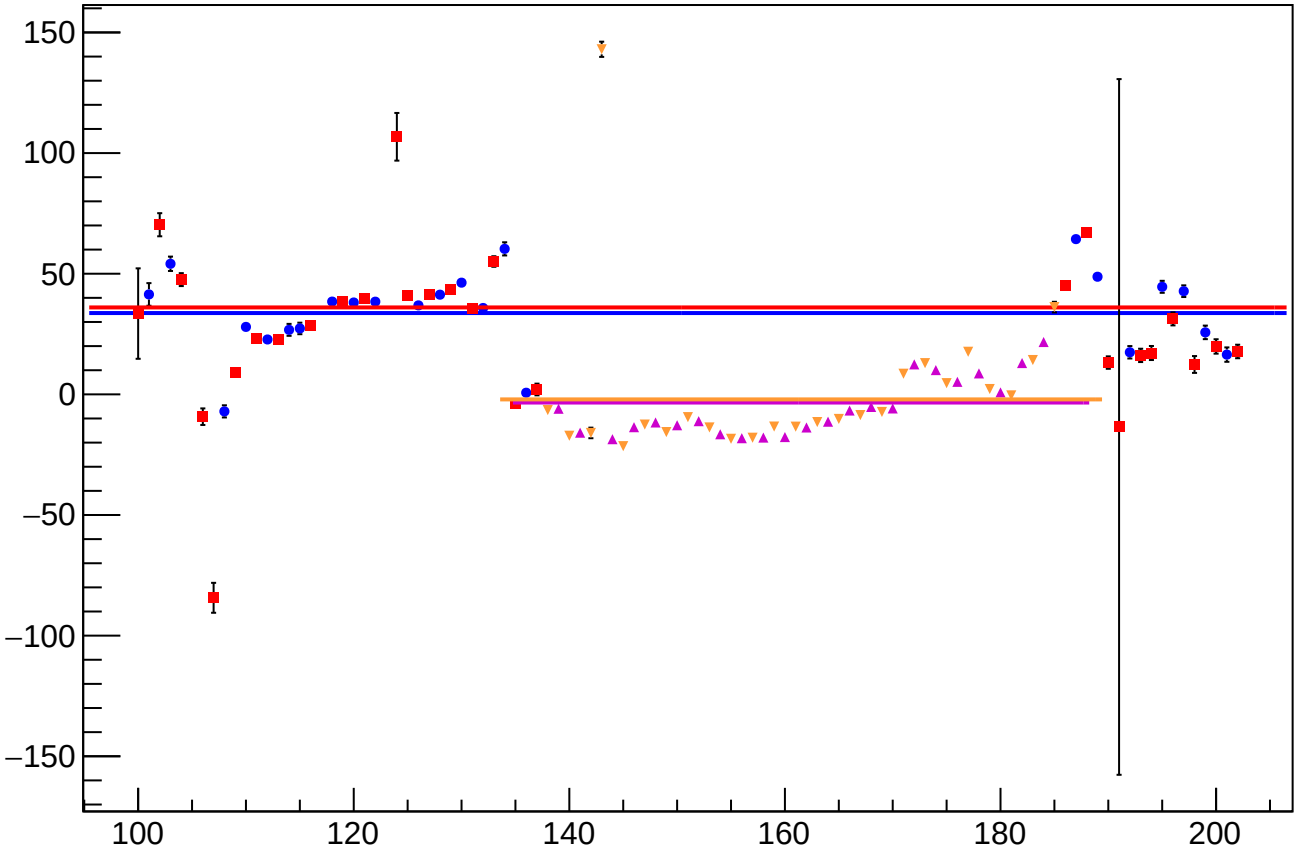
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -126.756+/-0.034 χ^2/NDF: 1061687.9/47

All: -126.580+/-0.024 χ^2/NDF: 2165904.6/99

- sign -126.403+/-0.034 χ^2/NDF: 1104162.9/51

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 33.699+/-0.367 χ^2/NDF: 2266.5/22

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

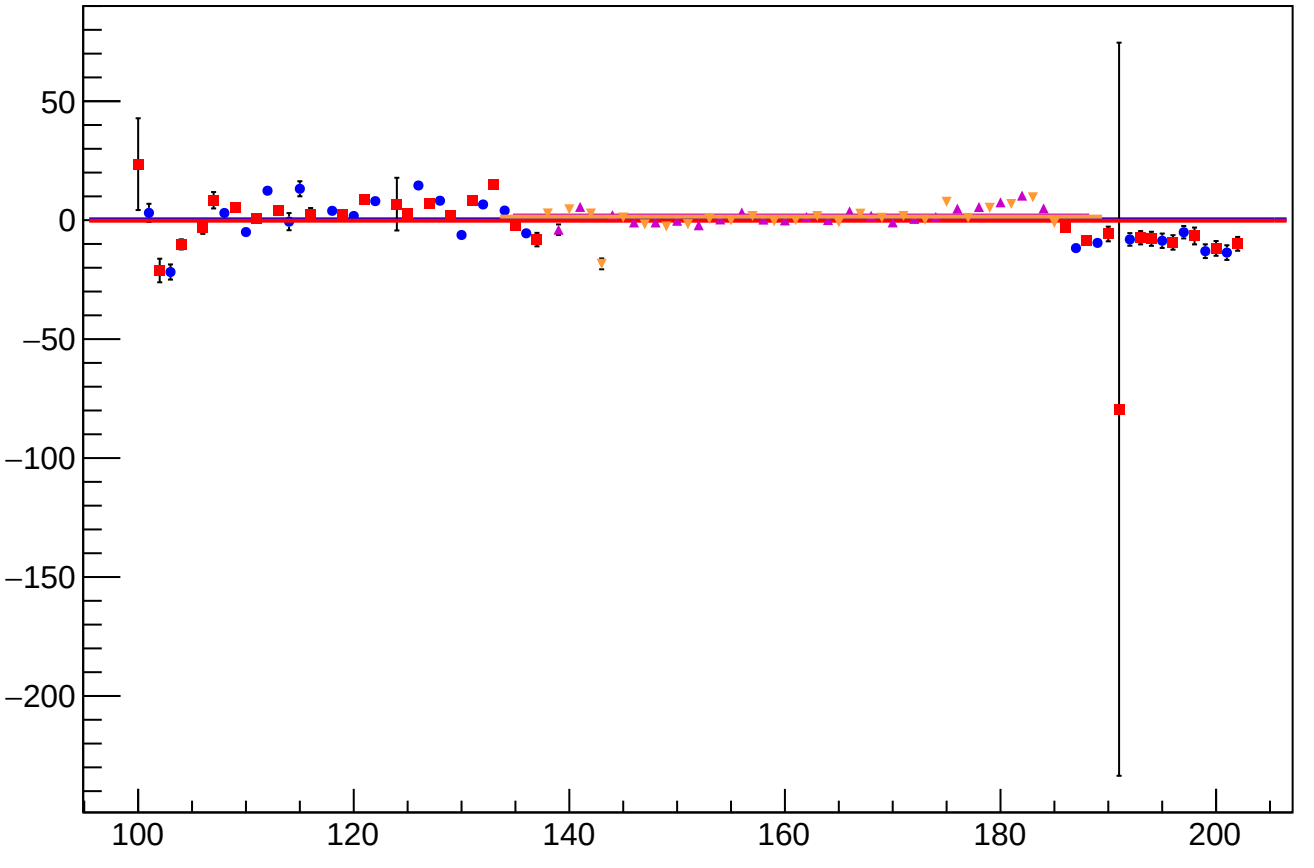
Right Out: 36.028+/-0.317 χ^2/NDF: 4609.9/28

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 10.291+/-0.216 χ^2/NDF: 12694.7/47

All: 11.866+/-0.149 χ^2/NDF: 28100.4/99

- sign 13.302+/-0.206 χ^2/NDF: 15303.7/51



Right In: 0.341+/-0.395 χ^2/NDF: 425.2/22

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

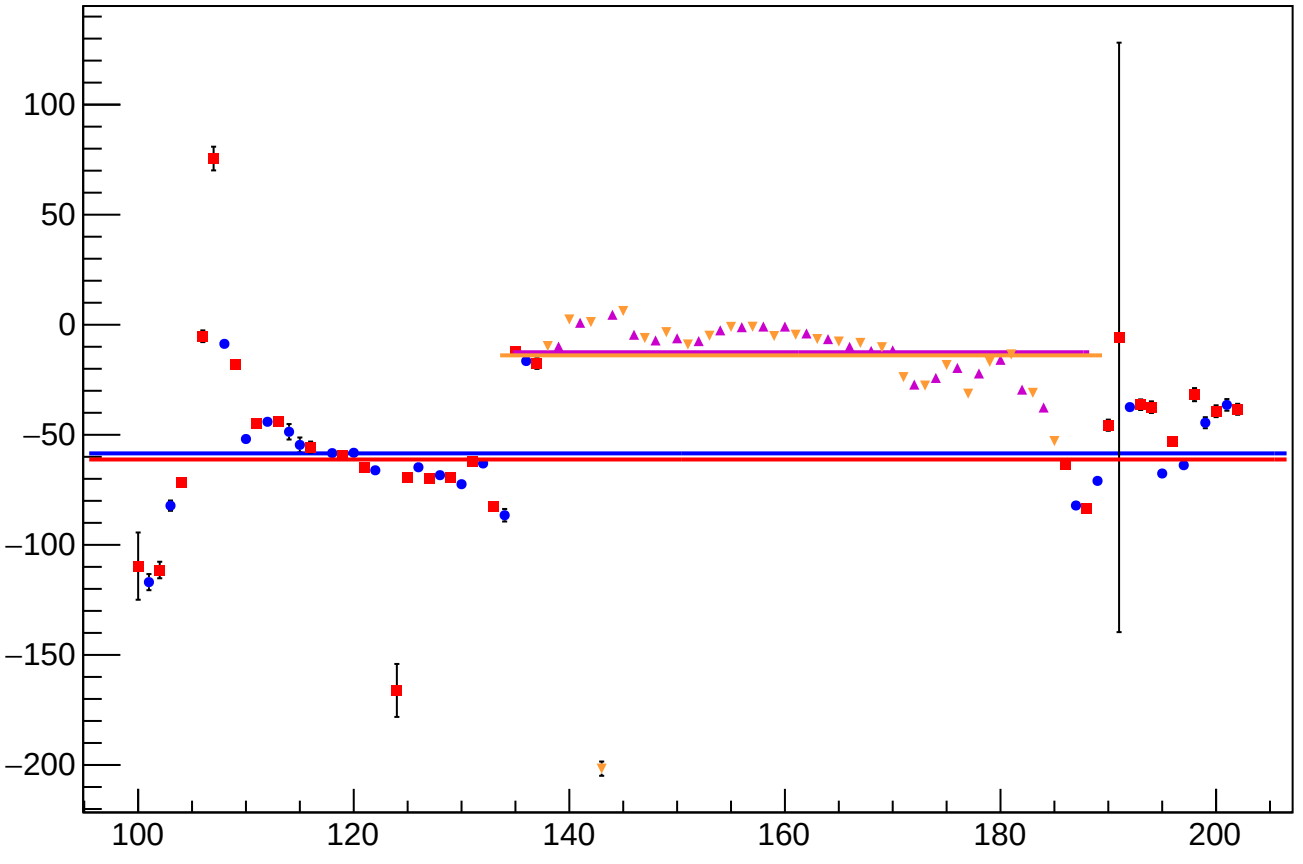
Right Out: -0.219+/-0.364 χ^2/NDF: 374.5/28

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.246+/-0.182 χ^2/NDF: 760.4/47

All: 1.320+/-0.129 χ^2/NDF: 1402.0/99

\- sign 1.395+/-0.182 χ^2/NDF: 641.3/51



Right In: -58.439+/-0.381 χ^2/NDF: 3324.6/22

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

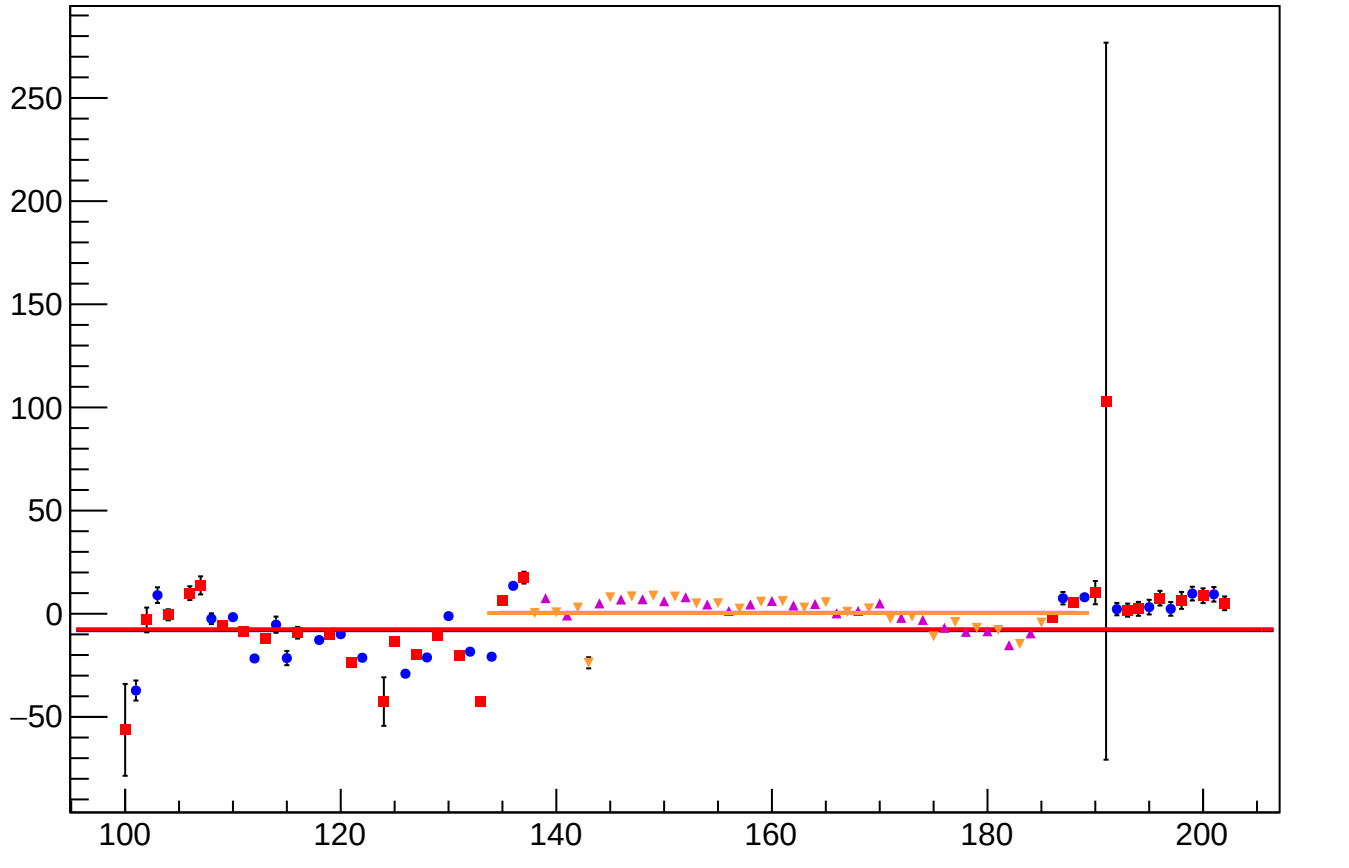
Right Out: -61.215+/-0.312 χ^2/NDF: 5463.3/28

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -28.388+/-0.217 χ^2/NDF: 17655.0/47

All: -30.989+/-0.149 χ^2/NDF: 38835.4/99

- sign -33.268+/-0.204 χ^2/NDF: 20911.9/51



Right In: -7.964+/-0.463 χ^2/NDF: 852.4/22

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

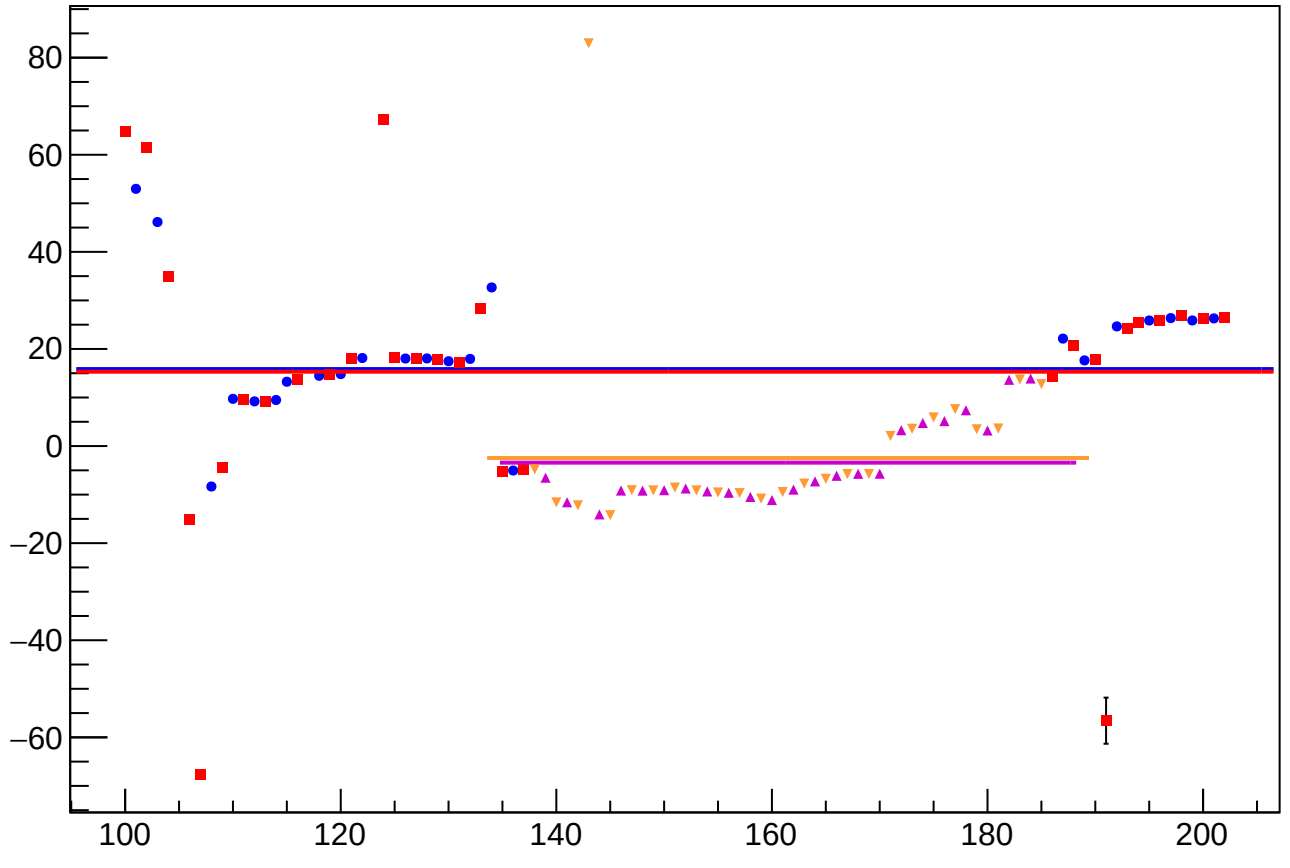
Right Out: -7.521+/-0.441 χ^2/NDF: 900.9/28

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.314+/-0.207 χ^2/NDF: 2031.9/47

All: -1.331+/-0.147 χ^2/NDF: 3967.8/99

- sign -1.348+/-0.208 χ^2/NDF: 1935.9/51



Right In: 15.856+/-0.024 χ^2/NDF: 421487.5/22

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

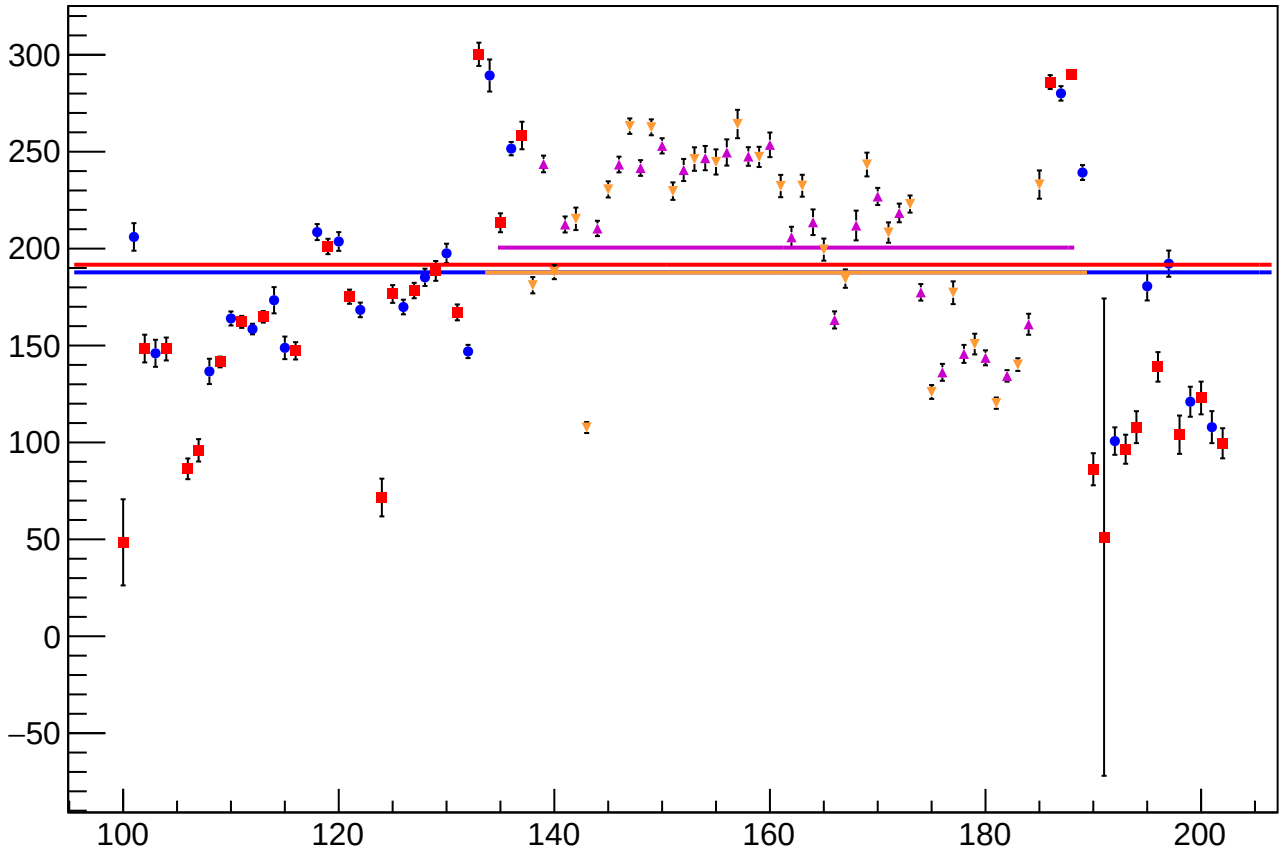
Right Out: 15.320+/-0.023 χ^2/NDF: 547491.6/28

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.395+/-0.010 χ^2/NDF: 1869673.2/47

All: 0.058+/-0.007 χ^2/NDF: 3506042.7/99

- sign -0.280+/-0.010 χ^2/NDF: 1633858.1/51



Right In: 187.756+/-0.966 χ^2/NDF: 2142.4/22

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

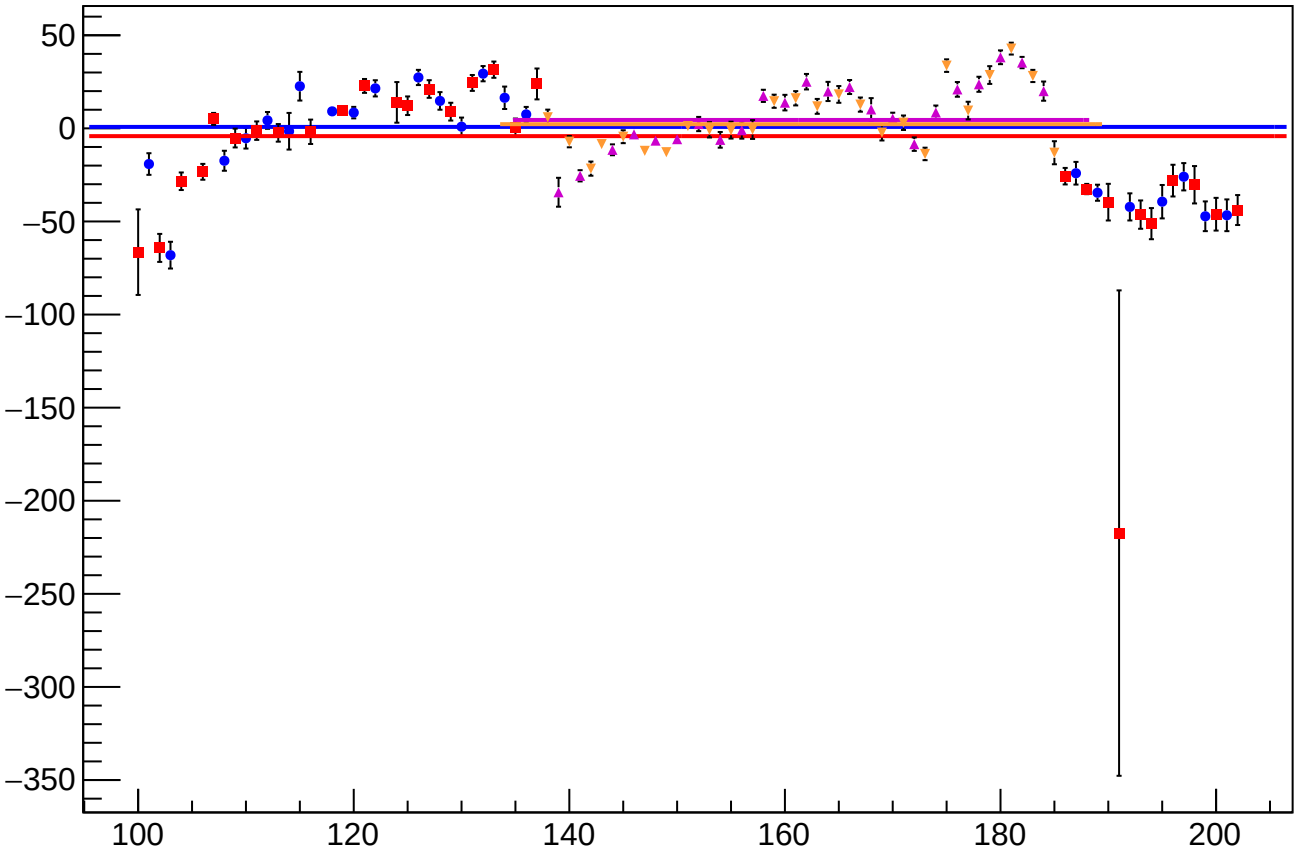
Right Out: 191.687+/-0.846 χ^2/NDF: 5972.2/28

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 187.716+/-0.657 χ^2/NDF: 5670.8/47

All: 191.790+/-0.456 χ^2/NDF: 13876.4/99

- sign 195.570+/-0.633 χ^2/NDF: 8131.6/51



Right In: 0.776+/-1.017 χ^2/NDF: 493.5/22

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.177+/-0.927 χ^2/NDF: 650.9/28

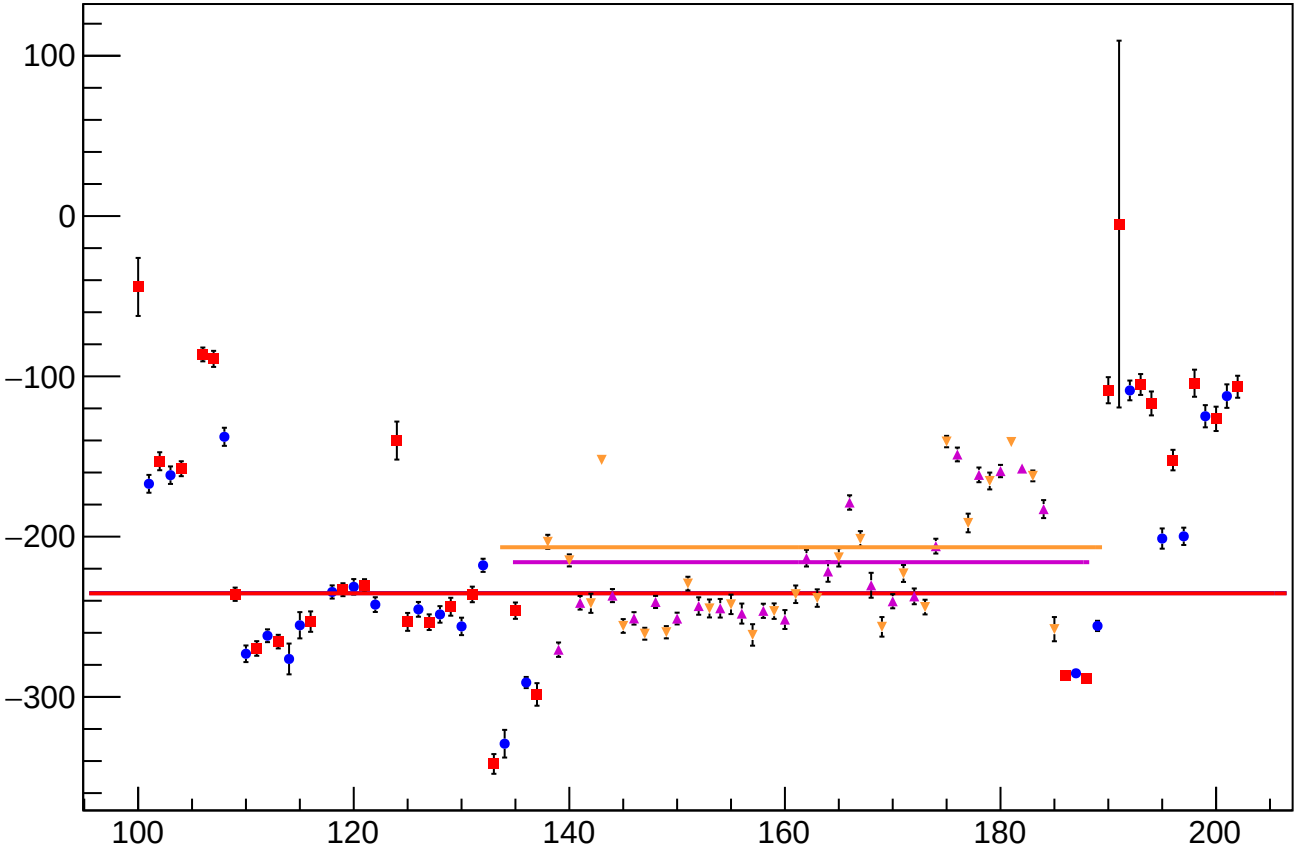
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.806+/-0.556 χ^2/NDF: 1095.8/47

All: 1.546+/-0.397 χ^2/NDF: 2349.4/99

- sign 1.278+/-0.566 χ^2/NDF: 1253.2/51

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -235.258+/-1.014 χ^2/NDF: 2506.9/22

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

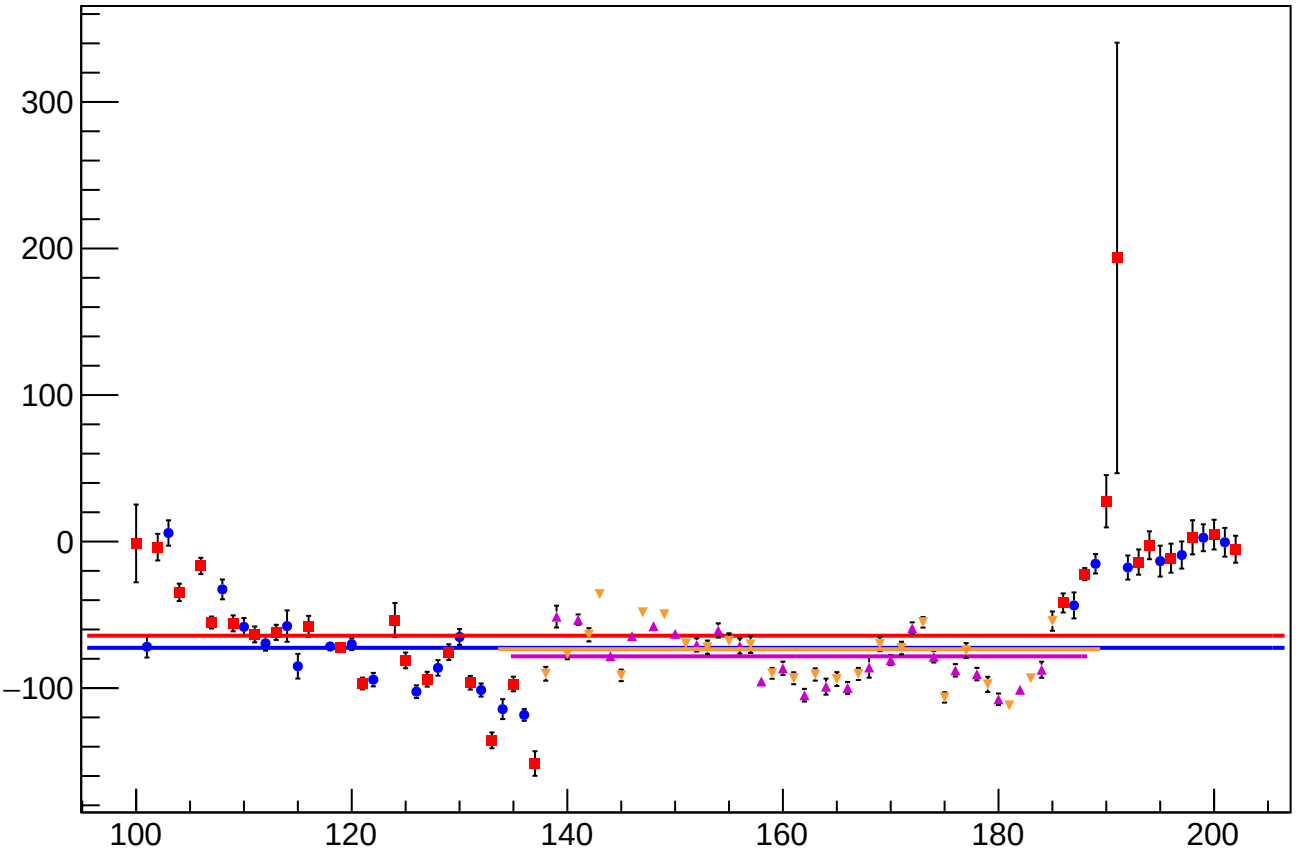
Right Out: -235.373+/-0.853 χ^2/NDF: 6555.9/28

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.159+/-0.671 χ^2/NDF: 5423.4/47

All: -223.124+/-0.461 χ^2/NDF: 13990.2/99

- sign -226.660+/-0.633 χ^2/NDF: 8500.6/51



Right In: -72.530+/-1.198 χ^2/NDF: 743.8/22

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

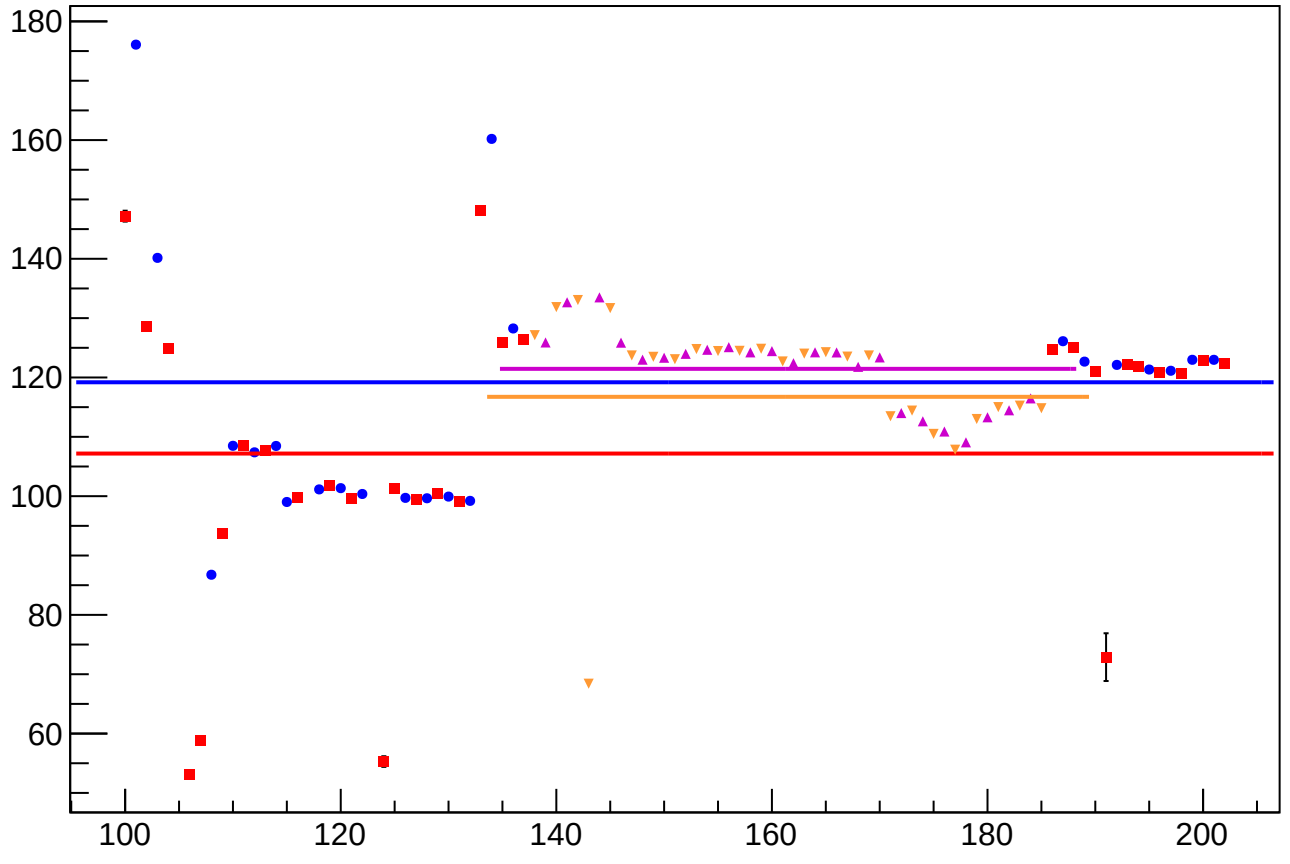
Right Out: -64.244+/-1.112 χ^2/NDF: 1019.7/28

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.166+/-0.646 χ^2/NDF: 1580.7/47

All: -73.274+/-0.461 χ^2/NDF: 3147.9/99

- sign -73.387+/-0.659 χ^2/NDF: 1567.1/51



Right In: 119.191+/-0.065 χ^2/NDF: 96693.4/22

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

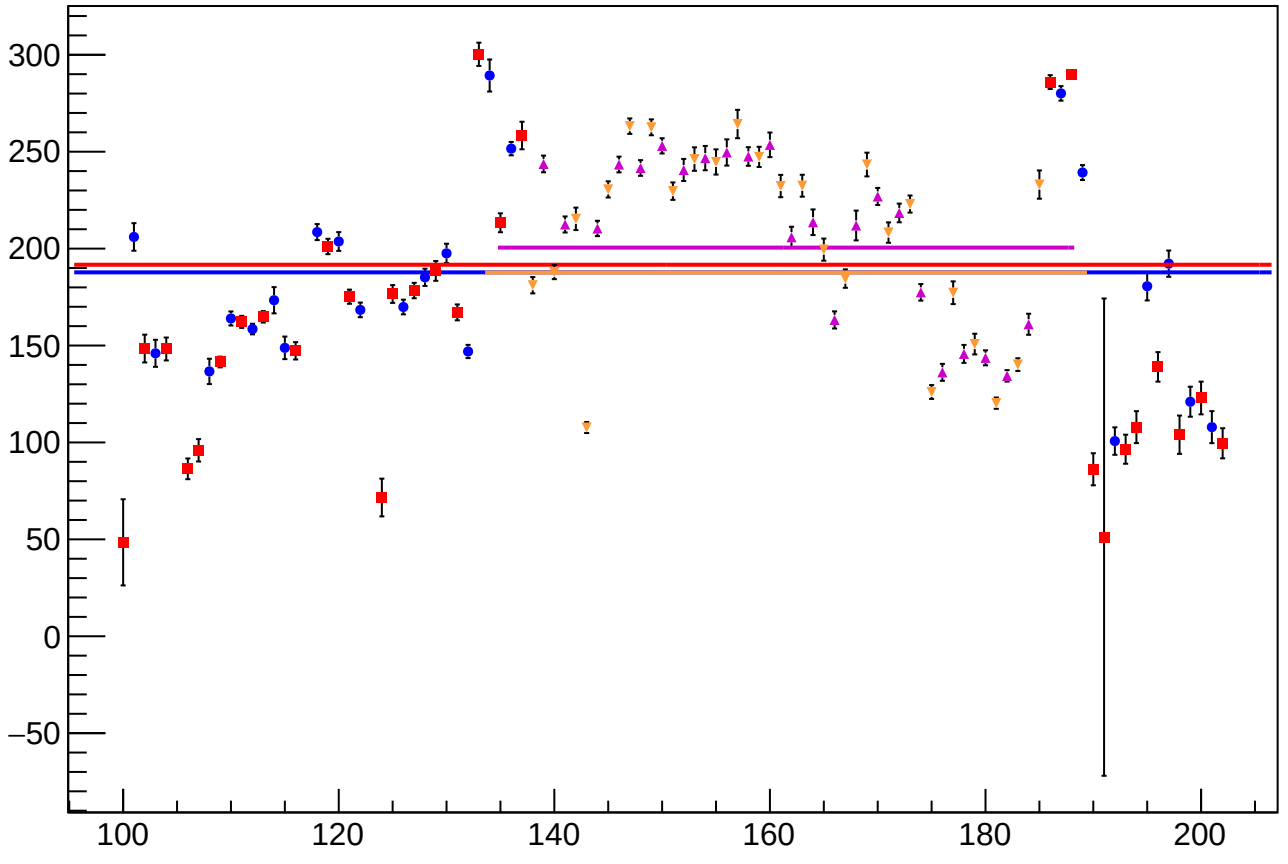
Right Out: 107.182+/-0.058 χ^2/NDF: 201853.6/28

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.315+/-0.031 χ^2/NDF: 301442.1/47

All: 117.277+/-0.022 χ^2/NDF: 575420.1/99

- sign 117.239+/-0.031 χ^2/NDF: 273975.0/51



Right In: 187.756+/-0.966 χ^2/NDF: 2142.4/22

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

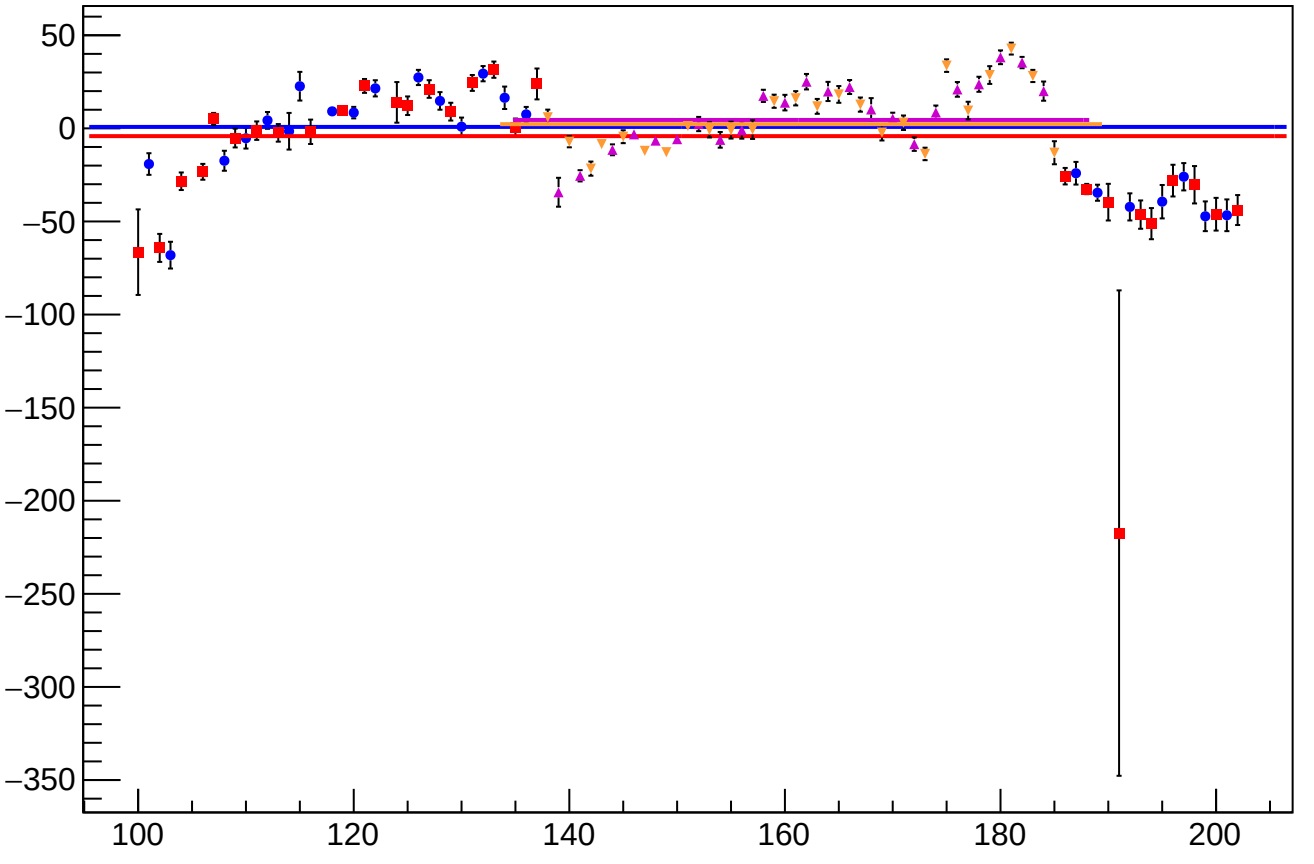
Right Out: 191.687+/-0.846 χ^2/NDF: 5972.2/28

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 187.716+/-0.657 χ^2/NDF: 5670.8/47

All: 191.790+/-0.456 χ^2/NDF: 13876.4/99

- sign 195.570+/-0.633 χ^2/NDF: 8131.6/51



Right In: 0.776+/-1.017 χ^2/NDF: 493.5/22

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

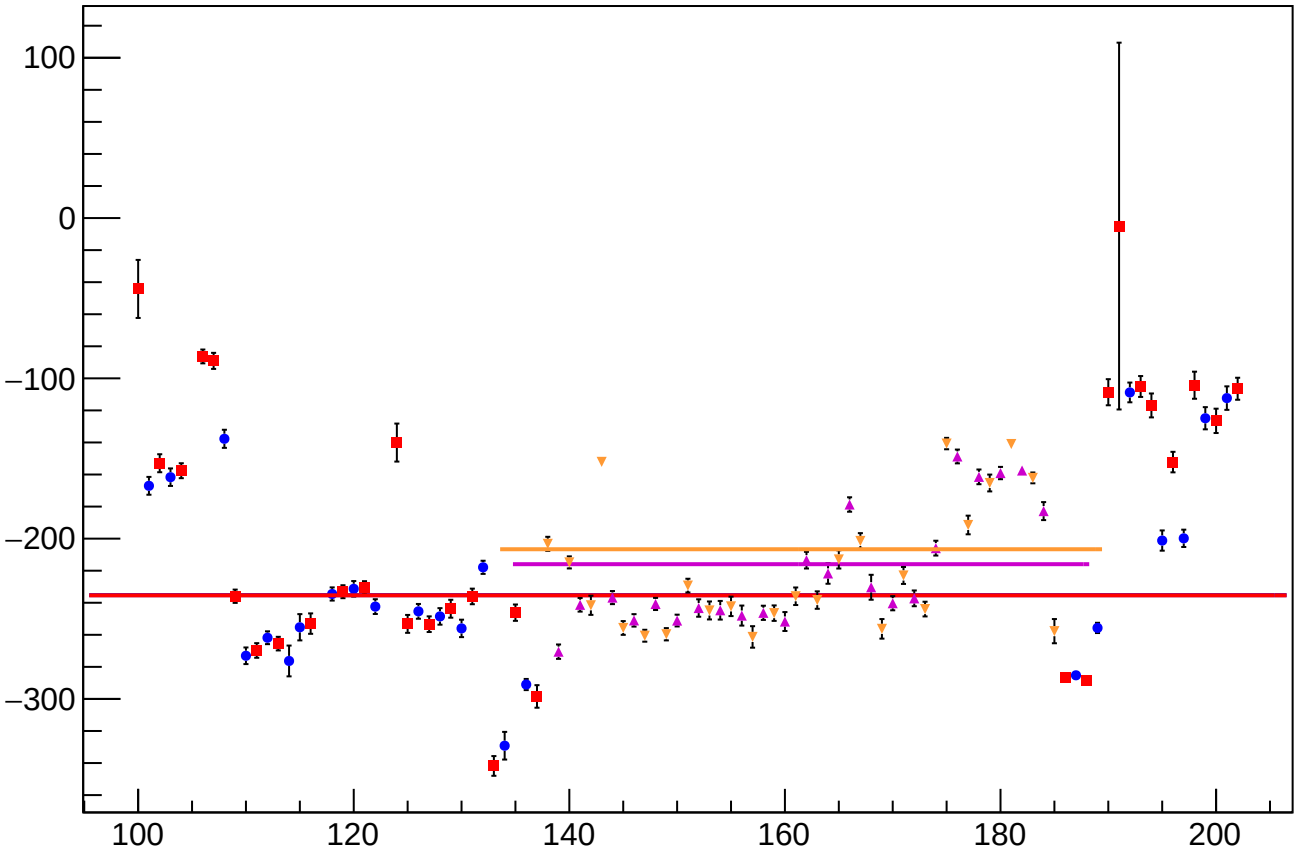
Right Out: -4.177+/-0.927 χ^2/NDF: 650.9/28

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.806+/-0.556 χ^2/NDF: 1095.8/47

All: 1.546+/-0.397 χ^2/NDF: 2349.4/99

- sign 1.278+/-0.566 χ^2/NDF: 1253.2/51



Right In: -235.258+/-1.014 χ^2/NDF: 2506.9/22

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

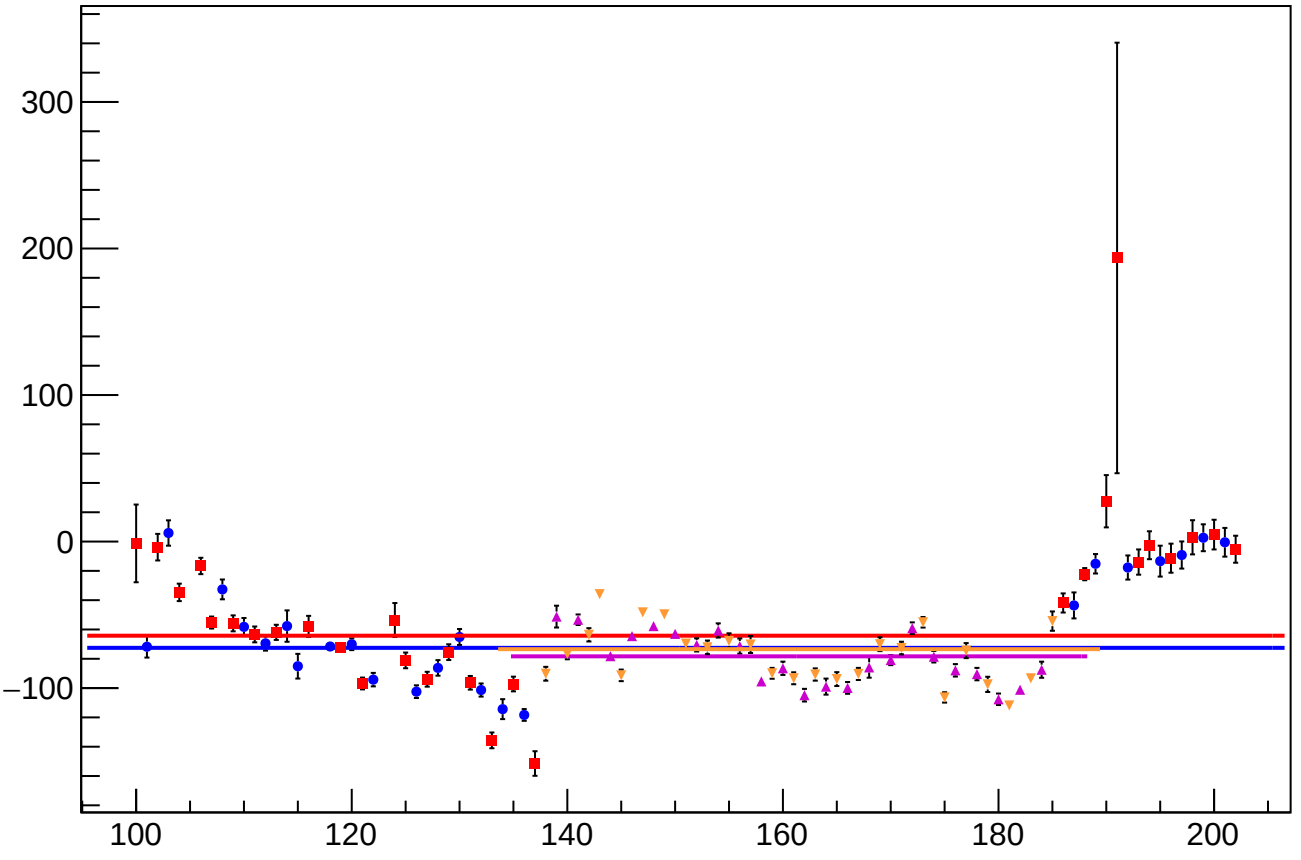
Right Out: -235.373+/-0.853 χ^2/NDF: 6555.9/28

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.159+/-0.671 χ^2/NDF: 5423.4/47

All: -223.124+/-0.461 χ^2/NDF: 13990.2/99

- sign -226.660+/-0.633 χ^2/NDF: 8500.6/51



Right In: -72.530+/-1.198 χ^2/NDF: 743.8/22

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

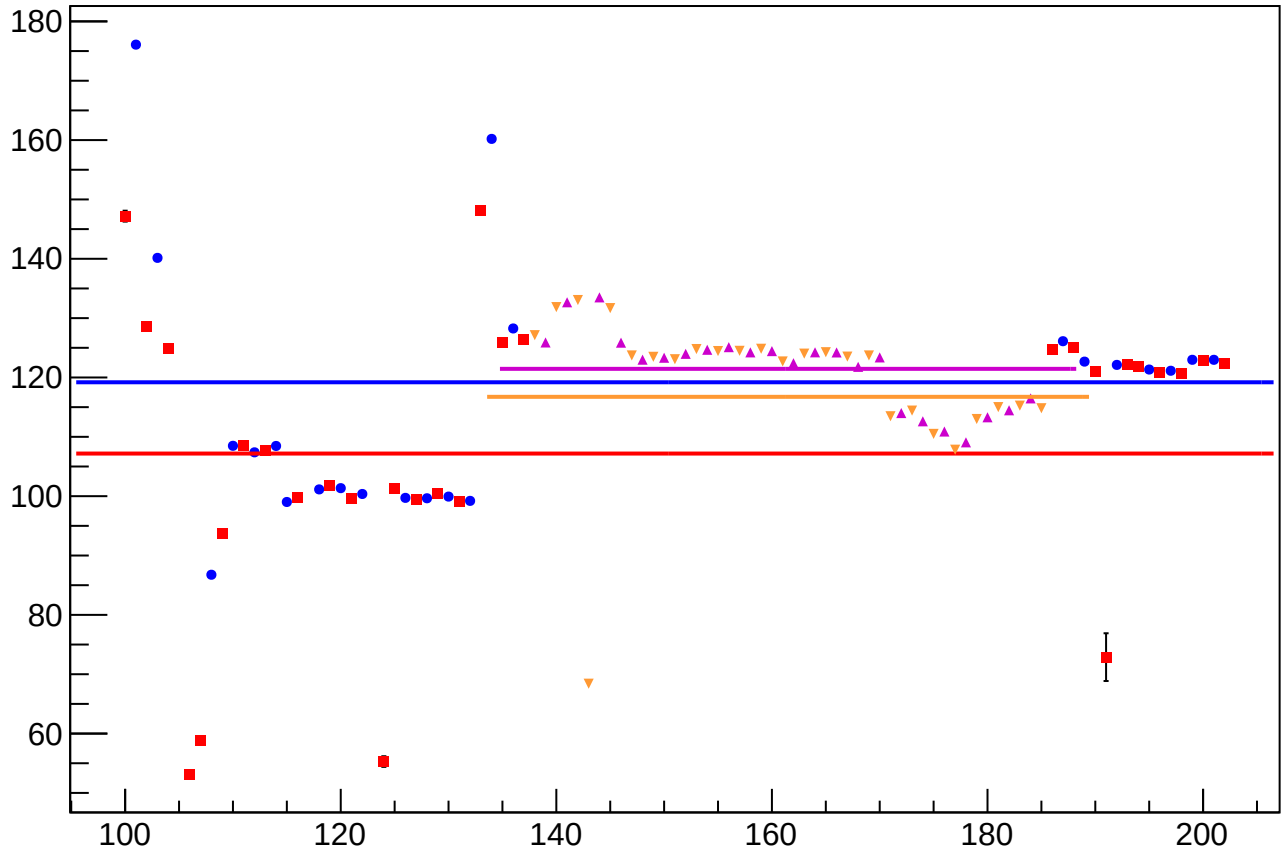
Right Out: -64.244+/-1.112 χ^2/NDF: 1019.7/28

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -73.166+/-0.646 χ^2/NDF: 1580.7/47

All: -73.274+/-0.461 χ^2/NDF: 3147.9/99

\- sign -73.387+/-0.659 χ^2/NDF: 1567.1/51



Right In: 119.191+/-0.065 χ^2/NDF: 96693.4/22

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

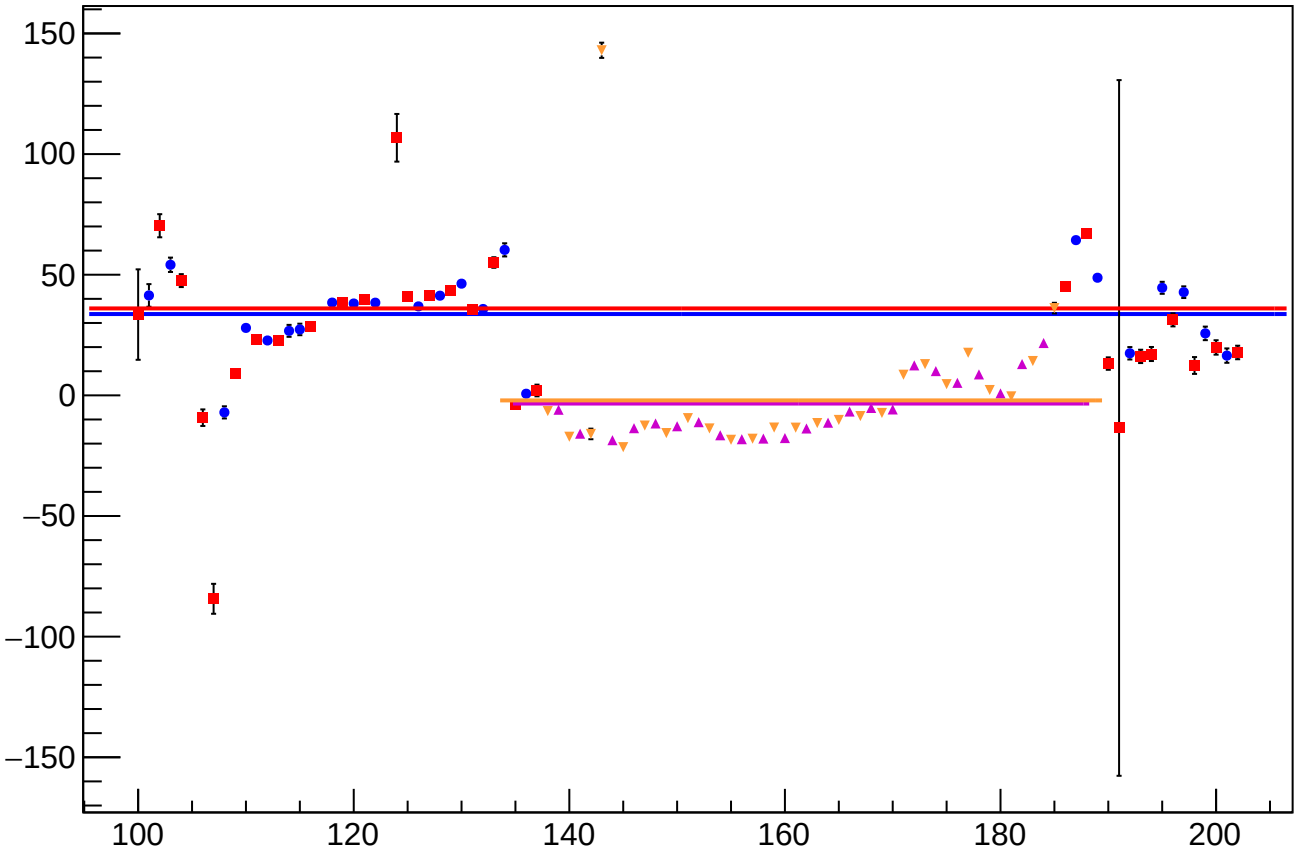
Right Out: 107.182+/-0.058 χ^2/NDF: 201853.6/28

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.315+/-0.031 χ^2/NDF: 301442.1/47

All: 117.277+/-0.022 χ^2/NDF: 575420.1/99

- sign 117.239+/-0.031 χ^2/NDF: 273975.0/51



Right In: 33.699+/-0.367 χ^2/NDF: 2266.5/22

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

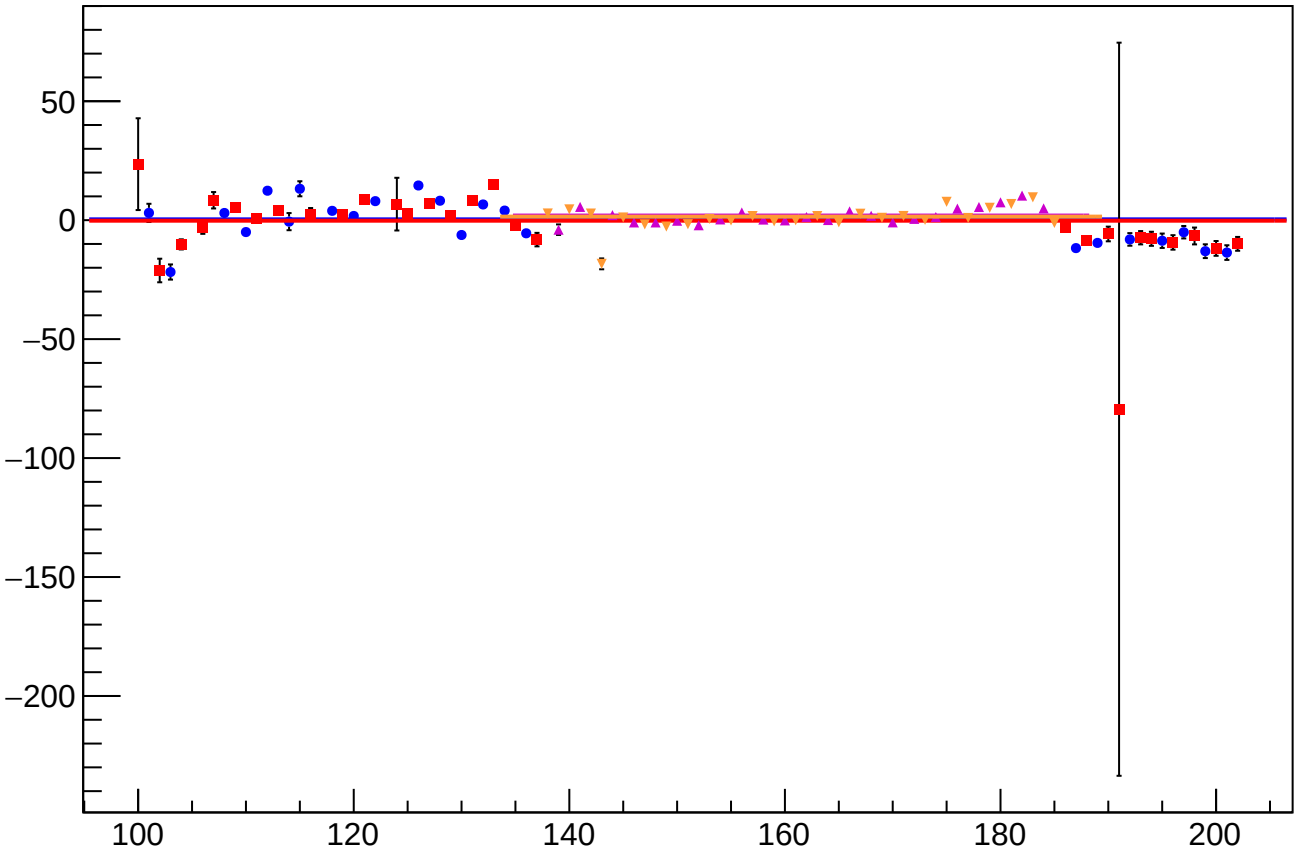
Right Out: 36.028+/-0.317 χ^2/NDF: 4609.9/28

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 10.291+/-0.216 χ^2/NDF: 12694.7/47

All: 11.866+/-0.149 χ^2/NDF: 28100.4/99

- sign 13.302+/-0.206 χ^2/NDF: 15303.7/51



Right In: 0.341+/-0.395 χ^2/NDF: 425.2/22

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

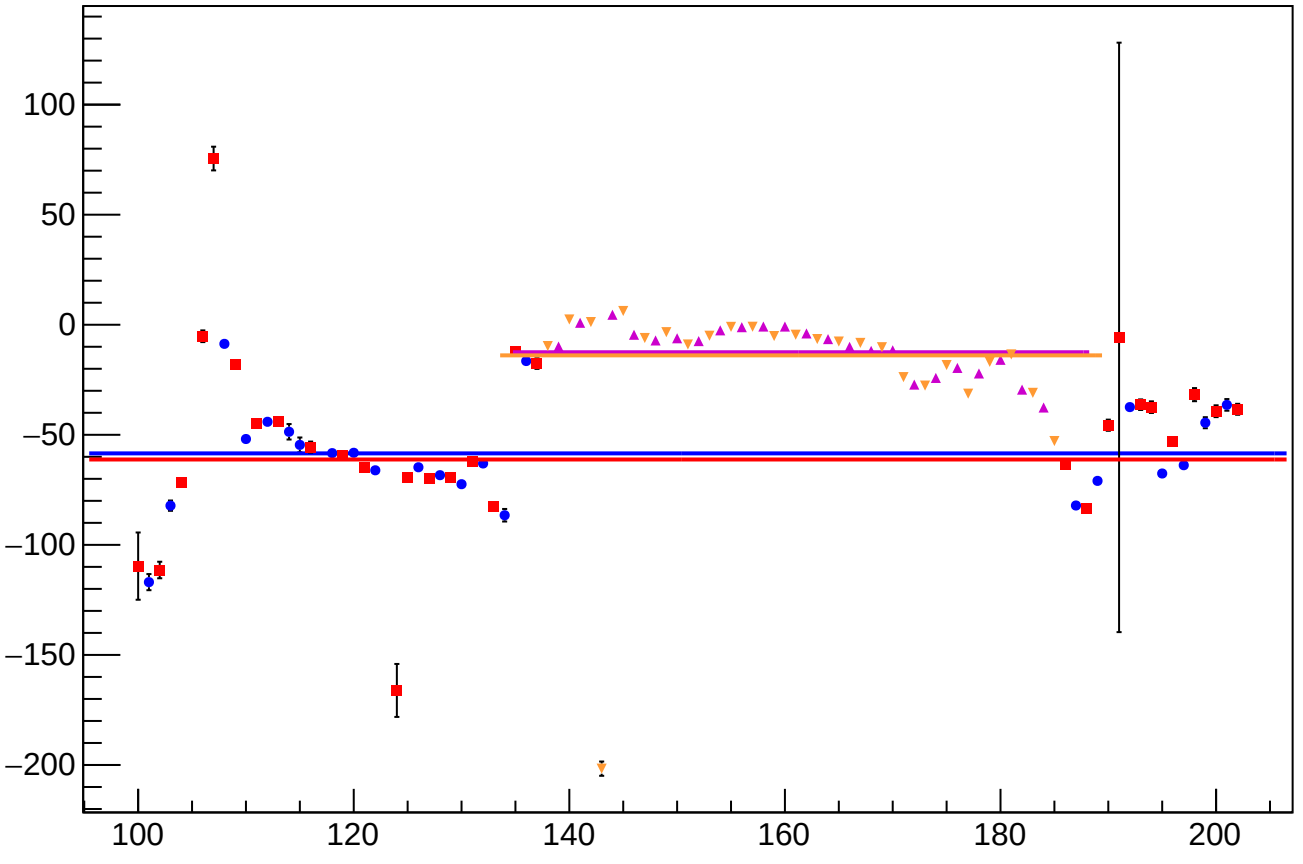
Right Out: -0.219+/-0.364 χ^2/NDF: 374.5/28

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.246+/-0.182 χ^2/NDF: 760.4/47

All: 1.320+/-0.129 χ^2/NDF: 1402.0/99

\- sign 1.395+/-0.182 χ^2/NDF: 641.3/51



Right In: -58.439+/-0.381 χ^2/NDF: 3324.6/22

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

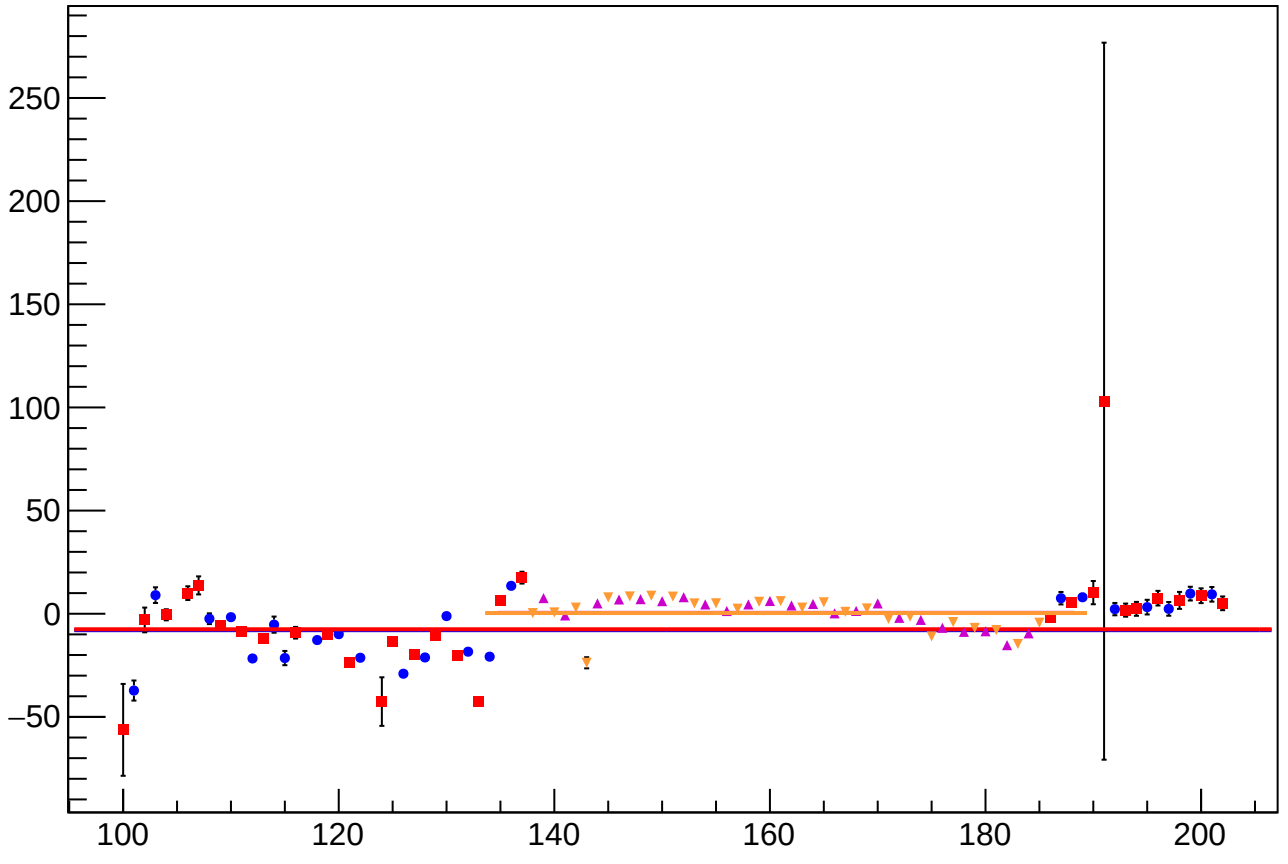
Right Out: -61.215+/-0.312 χ^2/NDF: 5463.3/28

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -28.388+/-0.217 χ^2/NDF: 17655.0/47

All: -30.989+/-0.149 χ^2/NDF: 38835.4/99

\- sign -33.268+/-0.204 χ^2/NDF: 20911.9/51



Right In: -7.964+/-0.463 χ^2/NDF: 852.4/22

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

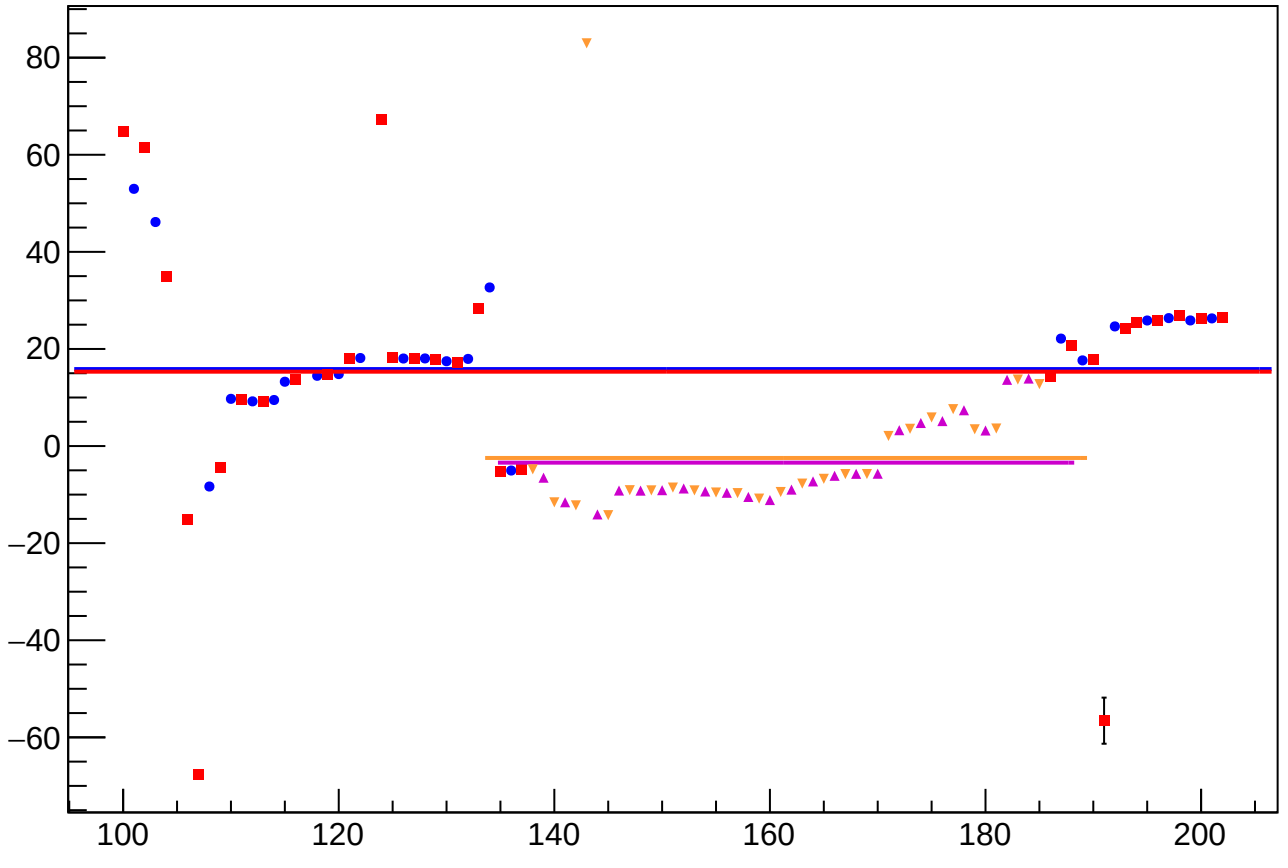
Right Out: -7.521+/-0.441 χ^2/NDF: 900.9/28

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.314+/-0.207 χ^2/NDF: 2031.9/47

All: -1.331+/-0.147 χ^2/NDF: 3967.8/99

- sign -1.348+/-0.208 χ^2/NDF: 1935.9/51



Right In: 15.856+/-0.024 χ^2/NDF: 421487.5/22

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

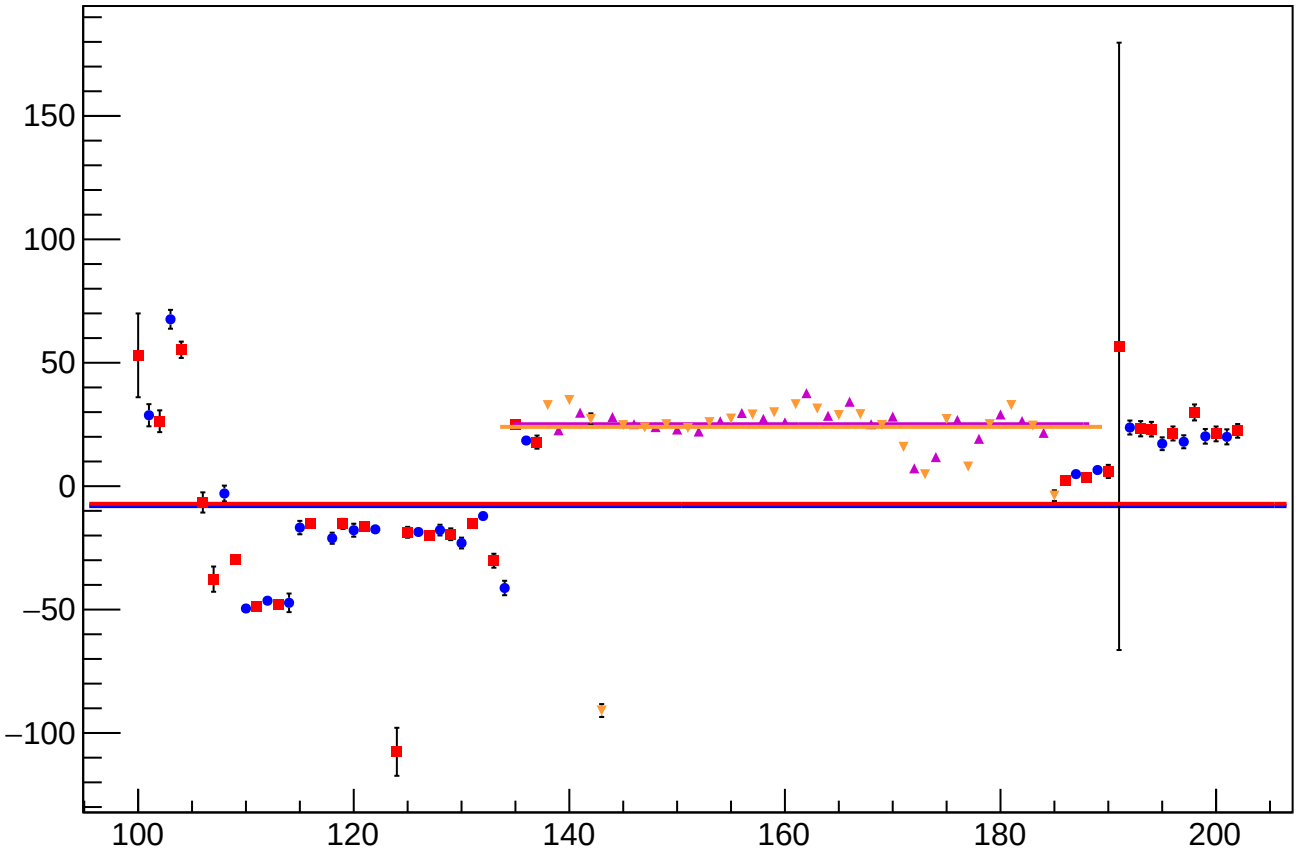
Right Out: 15.320+/-0.023 χ^2/NDF: 547491.6/28

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.395+/-0.010 χ^2/NDF: 1869673.2/47

All: 0.058+/-0.007 χ^2/NDF: 3506042.7/99

- sign -0.280+/-0.010 χ^2/NDF: 1633858.1/51



Right In: -8.078+/-0.464 χ^2/NDF: 2909.9/22

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -7.154+/-0.411 χ^2/NDF: 3352.3/28

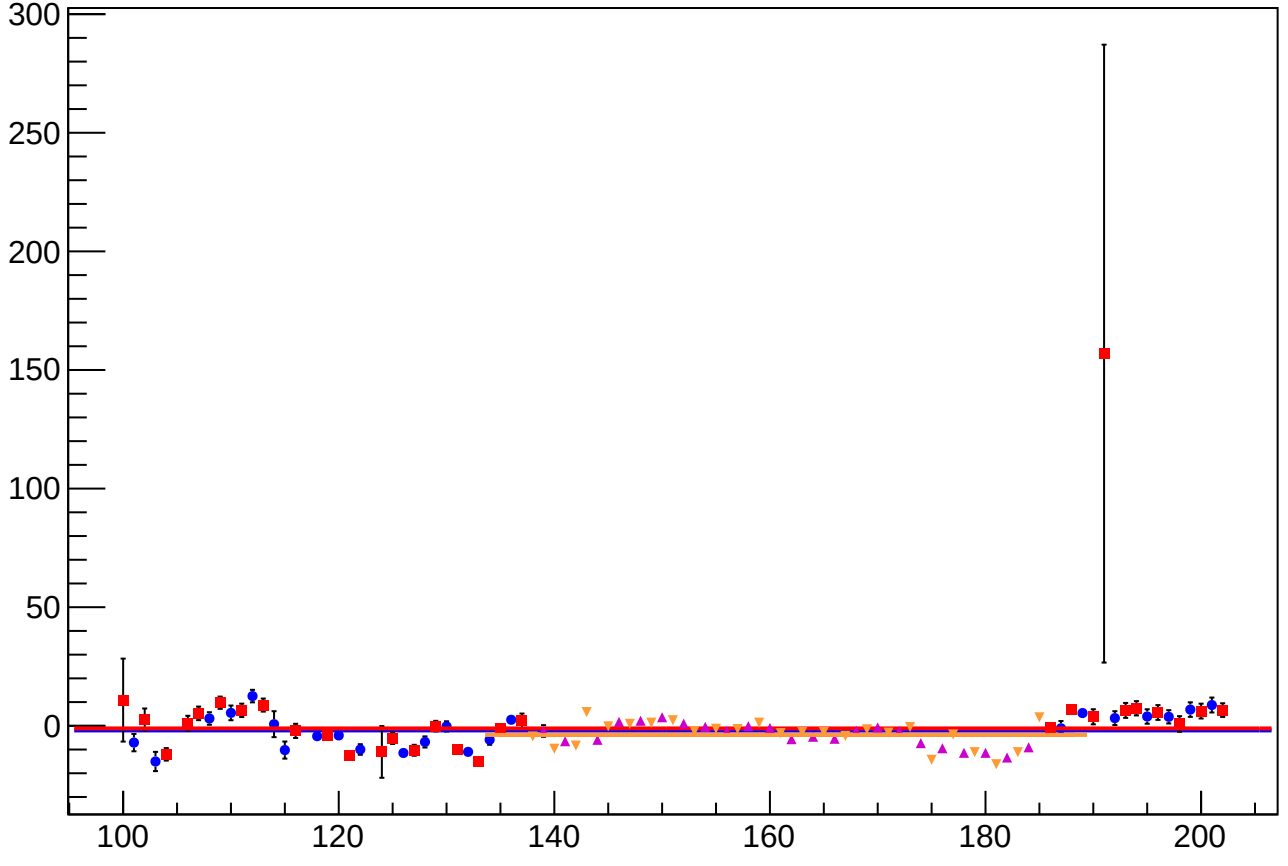
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.378+/-0.241 χ^2/NDF: 9202.3/47

All: 14.937+/-0.168 χ^2/NDF: 17189.0/99

- sign 14.516+/-0.235 χ^2/NDF: 7980.2/51

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.939+/-0.490 χ^2/NDF: 176.7/22

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

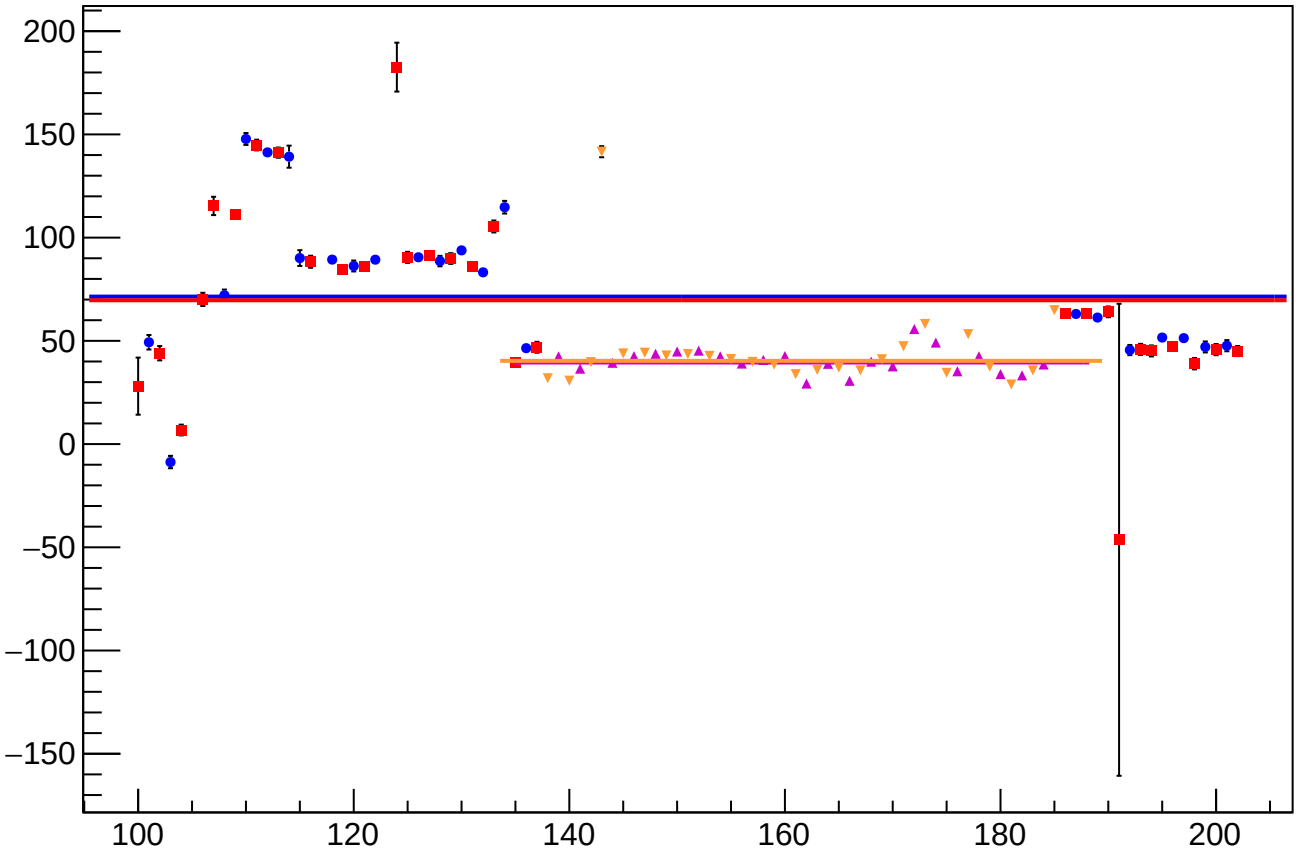
Right Out: -1.106+/-0.459 χ^2/NDF: 248.4/28

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.530+/-0.199 χ^2/NDF: 838.7/47

All: -3.400+/-0.141 χ^2/NDF: 1625.2/99

- sign -3.268+/-0.201 χ^2/NDF: 785.6/51



Right In: 71.439+/-0.479 χ^2/NDF: 3993.7/22

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

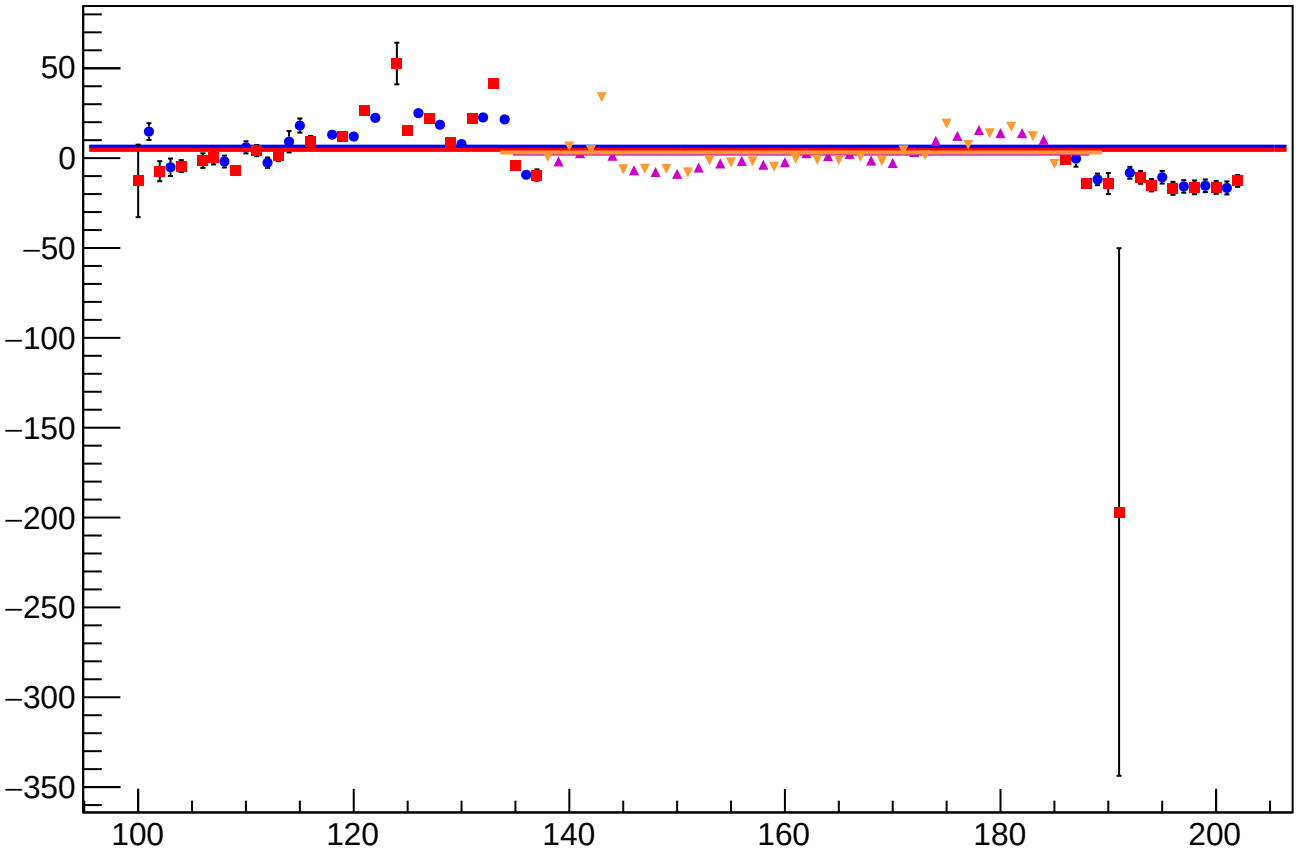
Right Out: 69.657+/-0.407 χ^2/NDF: 4406.2/28

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.248+/-0.242 χ^2/NDF: 9322.5/47

All: 48.844+/-0.168 χ^2/NDF: 17853.1/99

\- sign 49.399+/-0.233 χ^2/NDF: 8518.9/51



Right In: 6.382+/-0.567 χ^2/NDF: 596.5/22

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

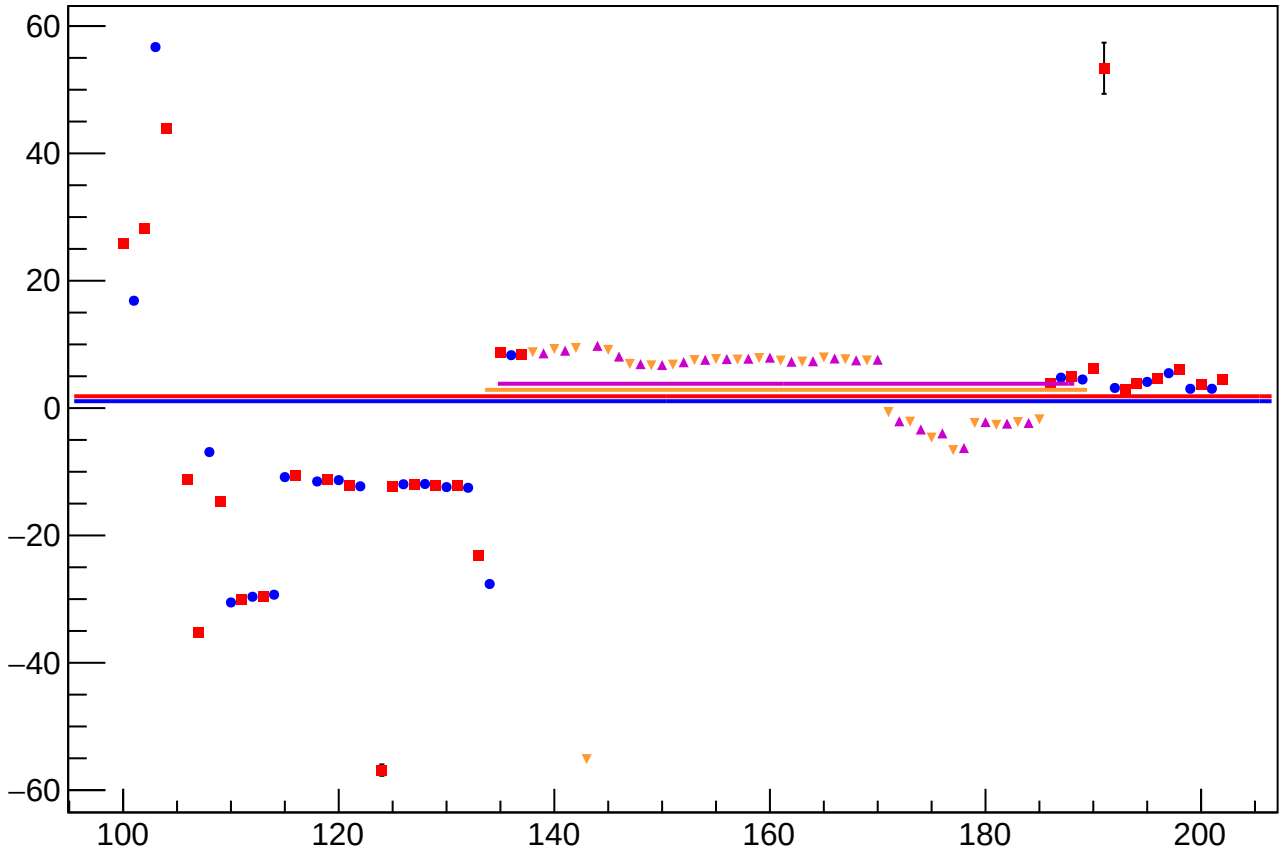
Right Out: 4.581+/-0.547 χ^2/NDF: 821.9/28

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

\+ sign 3.653+/-0.225 χ^2/NDF: 1891.0/47

All: 3.270+/-0.160 χ^2/NDF: 3698.7/99

\- sign 2.878+/-0.228 χ^2/NDF: 1801.8/51



Right In: 1.083+/-0.028 χ^2/NDF: 374869.5/22

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.855+/-0.027 χ^2/NDF: 326106.4/28

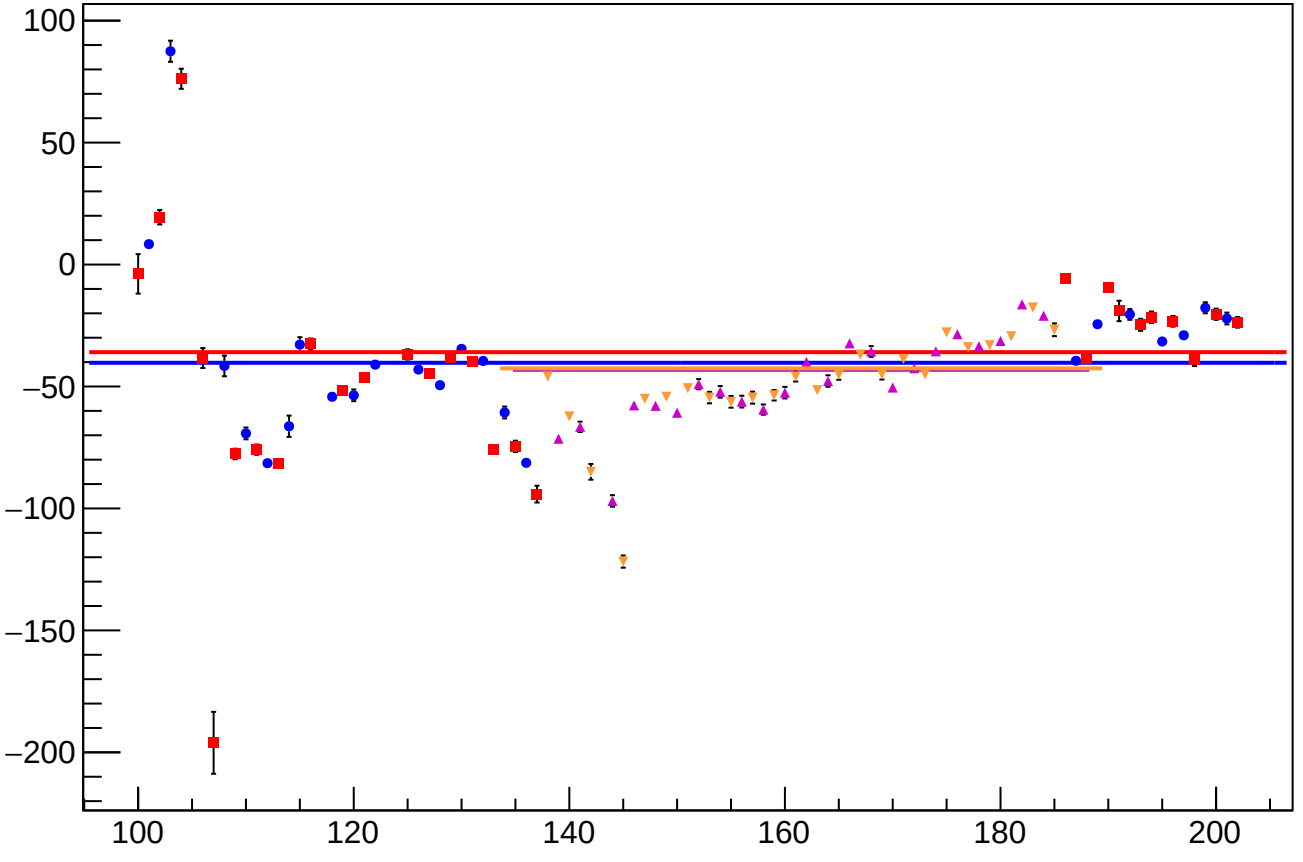
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.628+/-0.010 χ^2/NDF: 890785.1/47

All: 3.079+/-0.007 χ^2/NDF: 1458703.6/99

- sign 3.533+/-0.010 χ^2/NDF: 564009.2/51

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -40.274+/-0.423 χ^2/NDF: 3359.6/22

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -35.920+/-0.363 χ^2/NDF: 5167.9/27

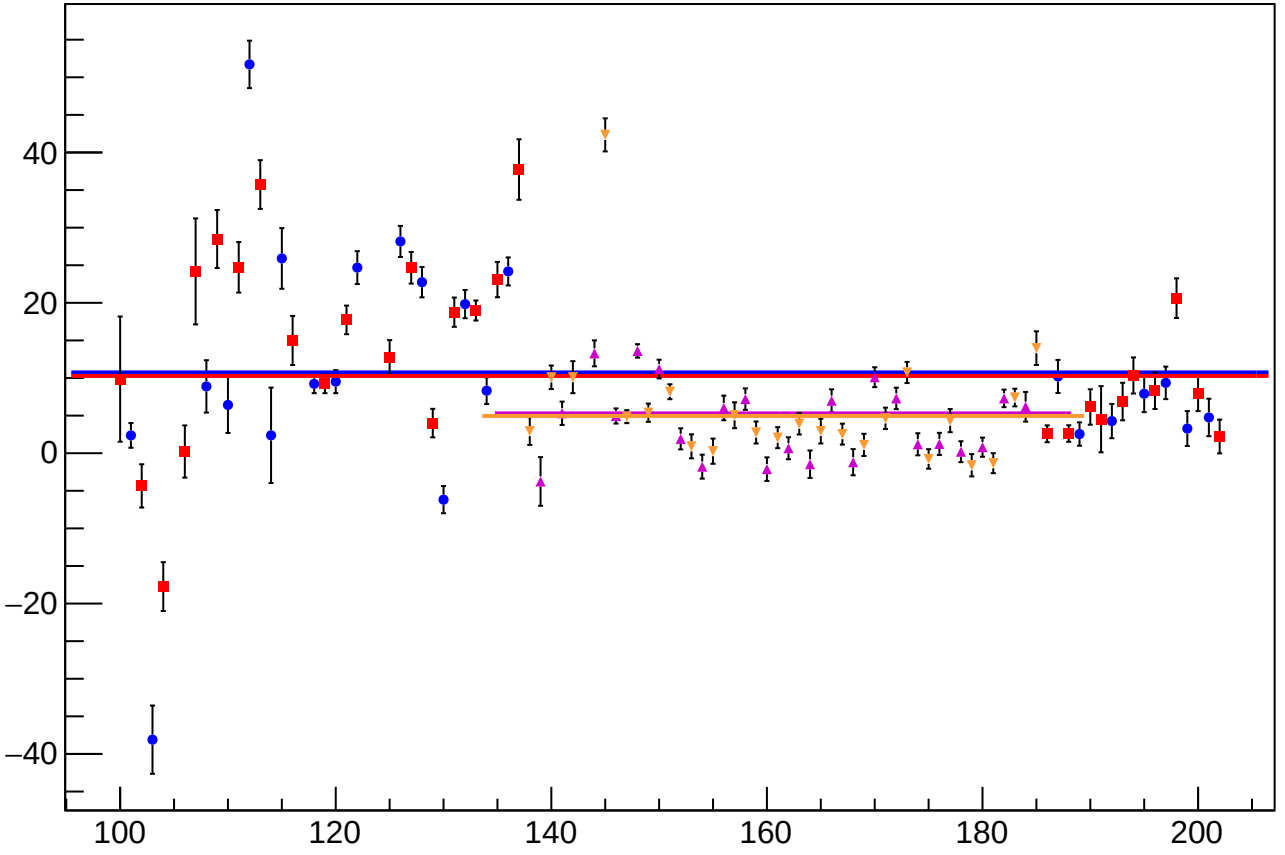
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -41.543+/-0.282 χ^2/NDF: 5702.2/46

All: -40.371+/-0.192 χ^2/NDF: 13297.9/97

- sign -39.352+/-0.263 χ^2/NDF: 7563.3/50

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 10.743+/-0.436 χ^2/NDF: 695.9/22

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.279+/-0.400 χ^2/NDF: 562.2/27

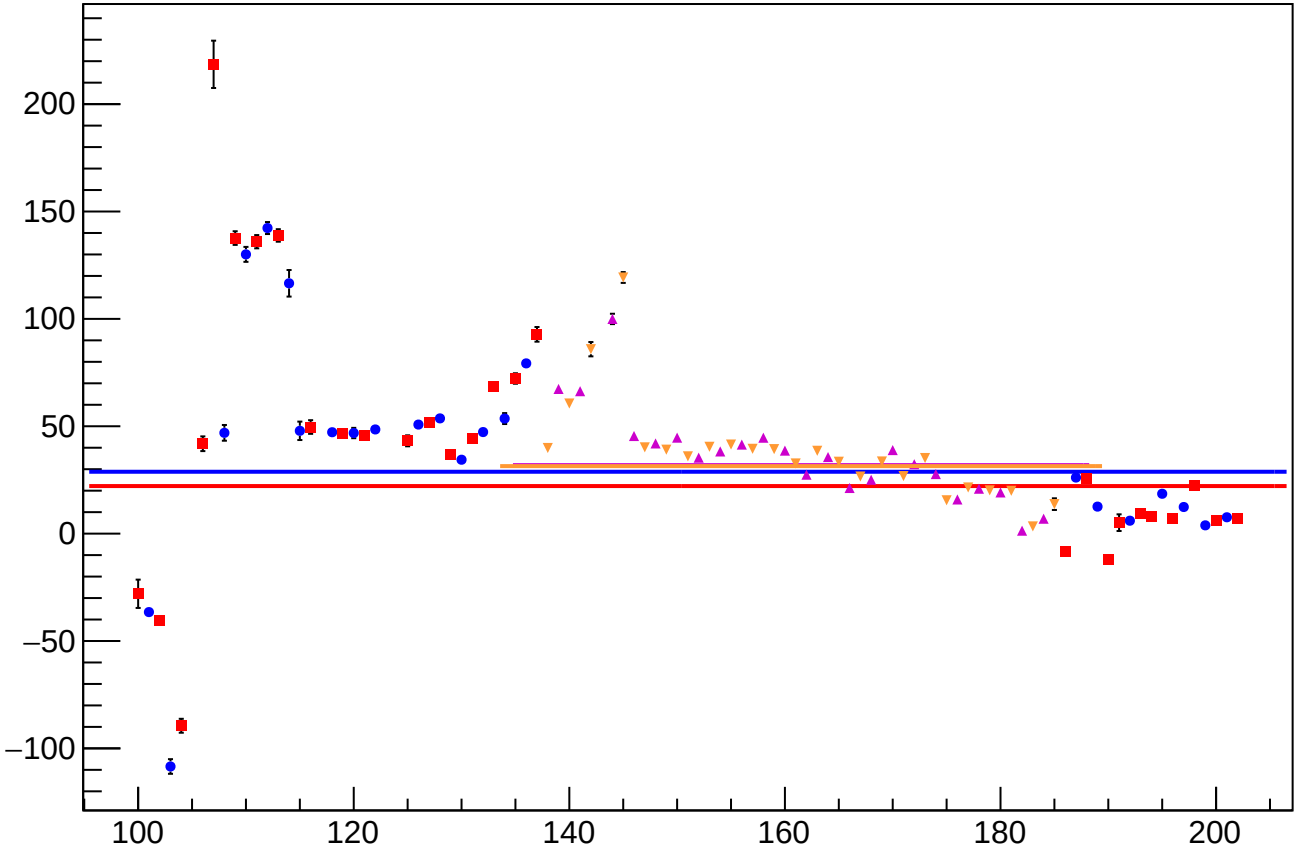
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.716+/-0.241 χ^2/NDF: 1267.5/46

All: 6.882+/-0.169 χ^2/NDF: 2217.9/97

- sign 7.043+/-0.237 χ^2/NDF: 949.4/50

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 28.815+/-0.413 χ^2/NDF: 8429.5/22

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

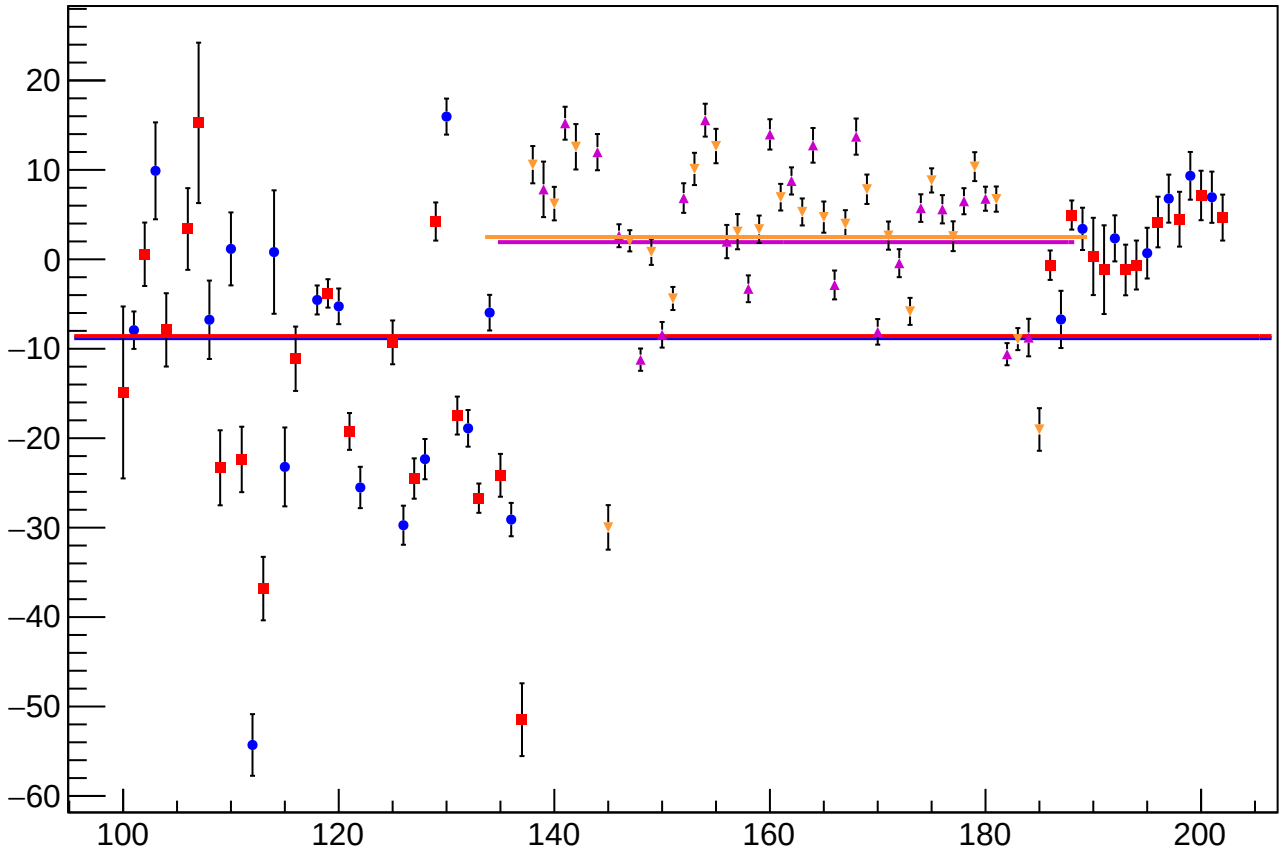
Right Out: 22.149+/-0.337 χ^2/NDF: 11226.5/27

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 30.251+/-0.278 χ^2/NDF: 11213.6/46

All: 28.172+/-0.186 χ^2/NDF: 25679.6/97

\- sign 26.465+/-0.252 χ^2/NDF: 14363.9/50



Right In: -8.813+/-0.518 χ^2/NDF: 858.2/22

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -8.583+/-0.490 χ^2/NDF: 738.1/27

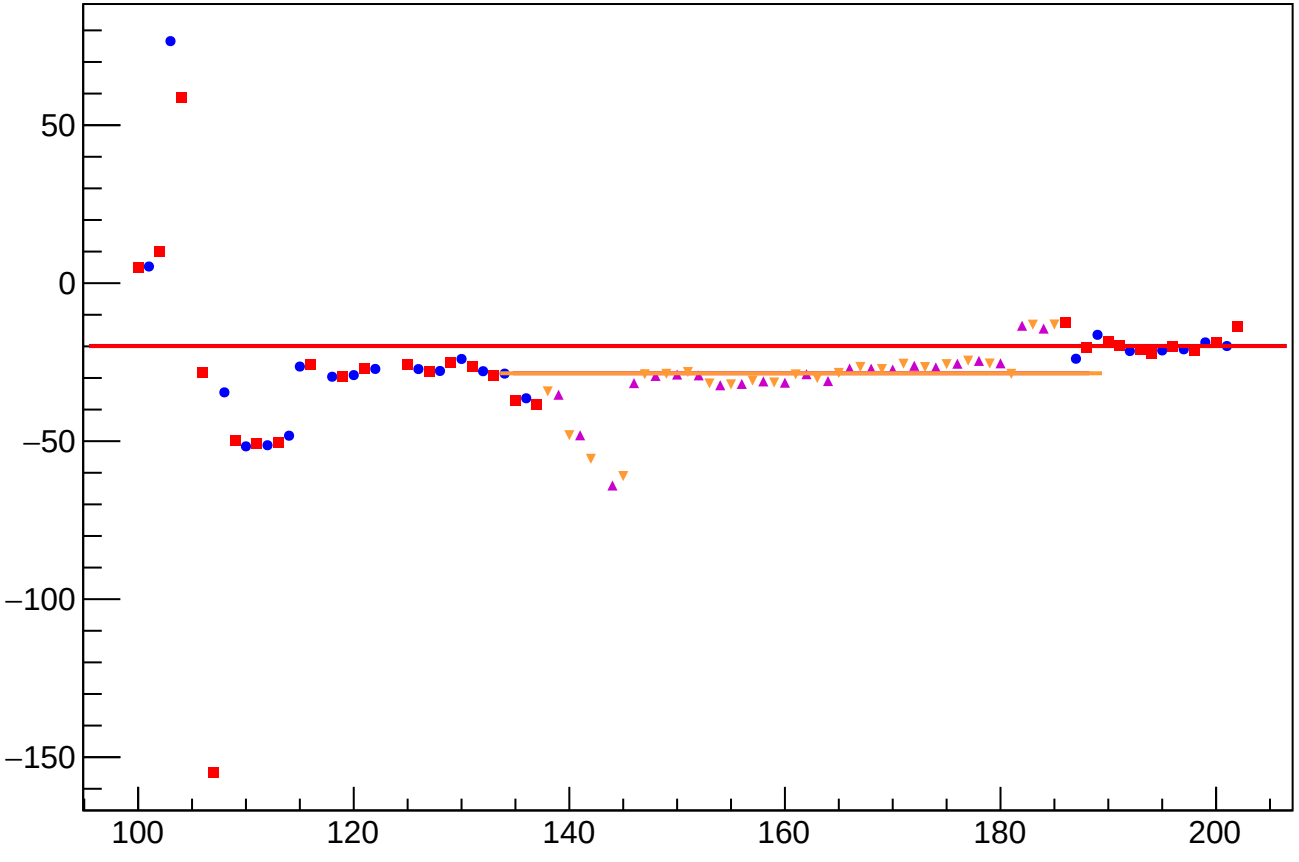
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

\+ sign -0.728+/-0.276 χ^2/NDF: 1758.2/46

All: -1.055+/-0.195 χ^2/NDF: 3492.5/97

\- sign -1.379+/-0.275 χ^2/NDF: 1731.5/50

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.870+/-0.025 χ^2/NDF: 649685.6/22

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -19.911+/-0.023 χ^2/NDF: 561773.4/27

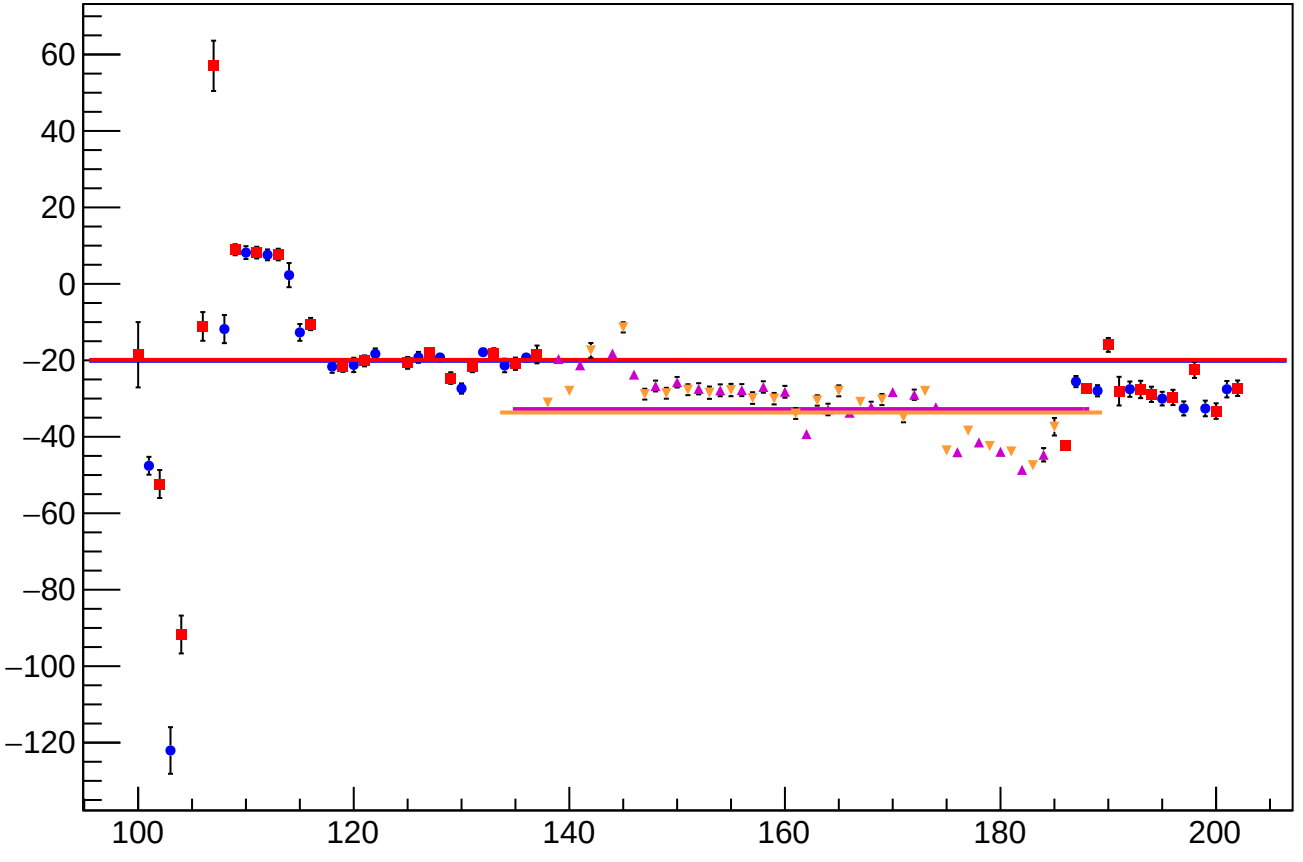
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -26.250+/-0.013 χ^2/NDF: 1073170.4/46

All: -26.121+/-0.009 χ^2/NDF: 2020759.2/97

- sign -25.996+/-0.012 χ^2/NDF: 947383.6/50

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -20.113+/-0.346 χ^2/NDF: 1371.4/22

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -19.885+/-0.319 χ^2/NDF: 2070.1/27

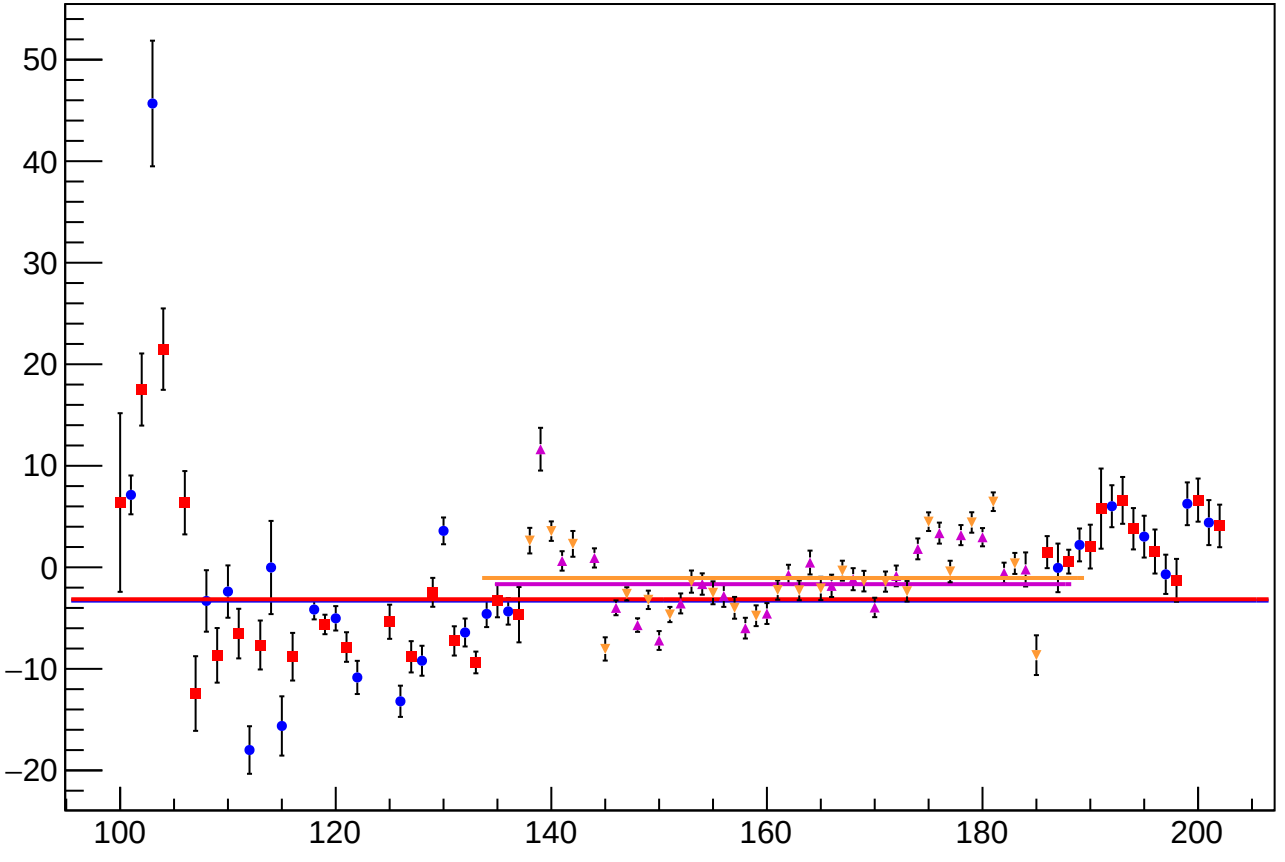
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -28.629+/-0.210 χ^2/NDF: 3352.3/46

All: -28.007+/-0.147 χ^2/NDF: 7535.0/97

\- sign -27.413+/-0.205 χ^2/NDF: 4165.7/50

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.279+/-0.355 χ^2/NDF: 343.4/22

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.145+/-0.345 χ^2/NDF: 276.2/27

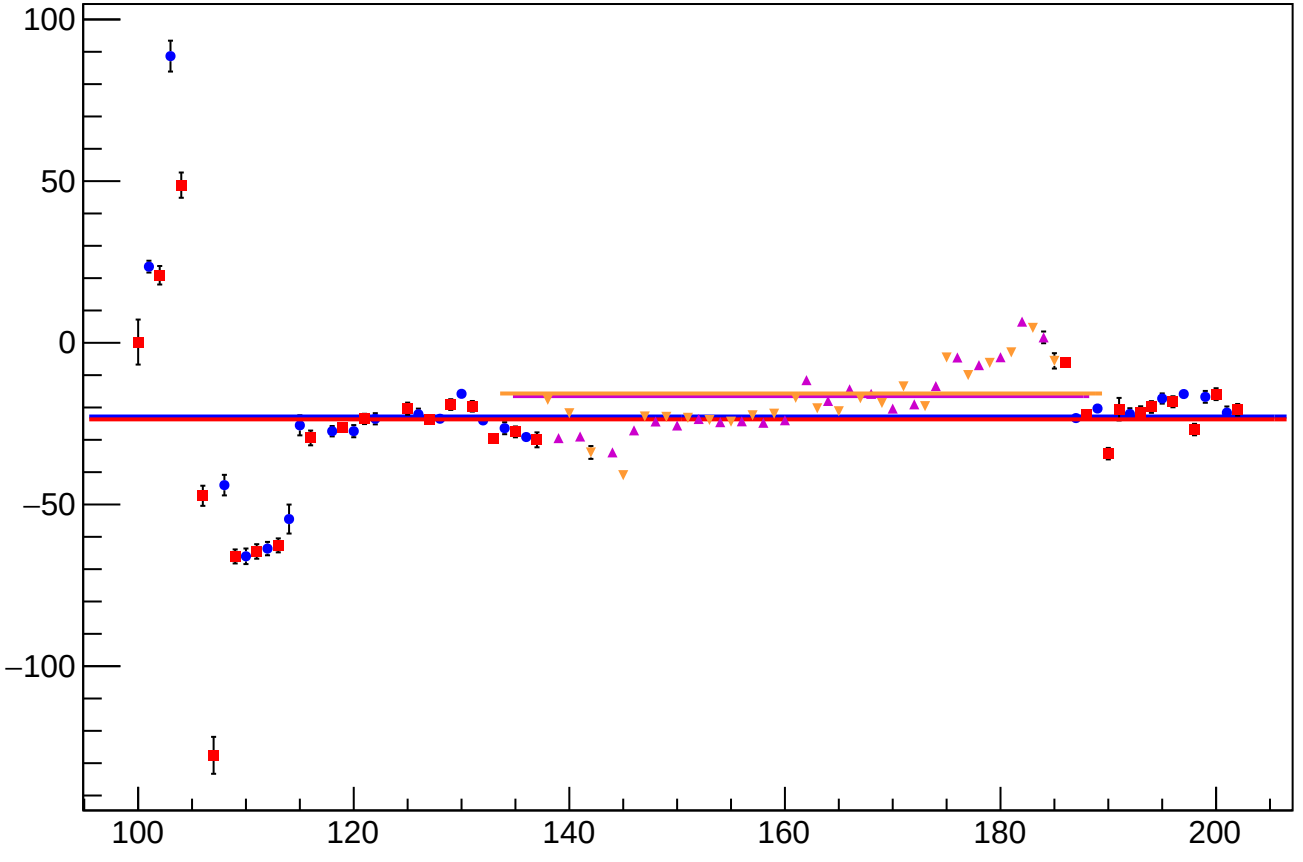
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.598+/-0.176 χ^2/NDF: 662.5/46

All: -1.824+/-0.125 χ^2/NDF: 1220.1/97

- sign -2.052+/-0.177 χ^2/NDF: 554.3/50

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -22.792+/-0.356 χ^2/NDF: 2117.9/22

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -23.672+/-0.319 χ^2/NDF: 2468.2/27

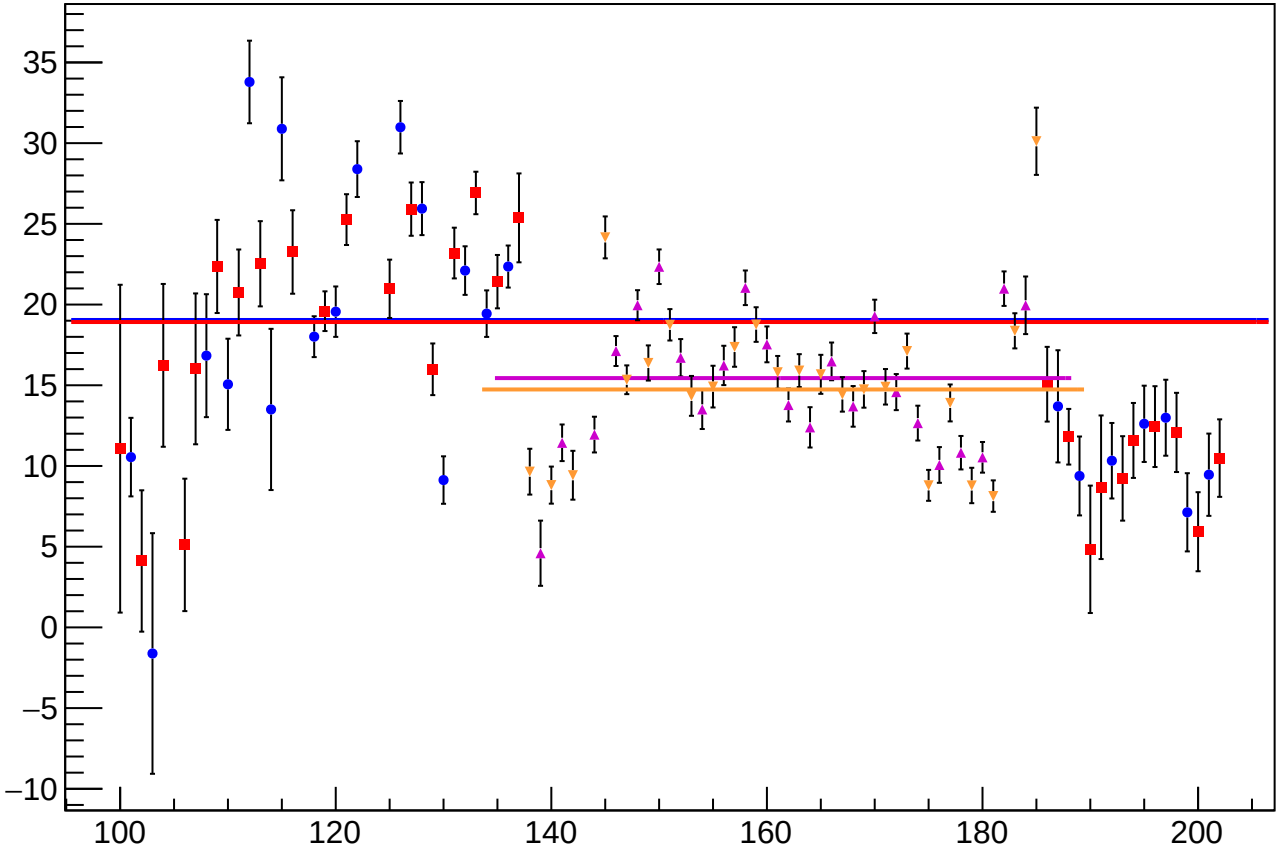
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -18.189+/-0.212 χ^2/NDF: 3897.3/46

All: -18.833+/-0.147 χ^2/NDF: 8381.6/97

- sign -19.433+/-0.204 χ^2/NDF: 4466.3/50

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.045+/-0.412 χ^2/NDF: 312.4/22

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 18.918+/-0.408 χ^2/NDF: 238.3/27

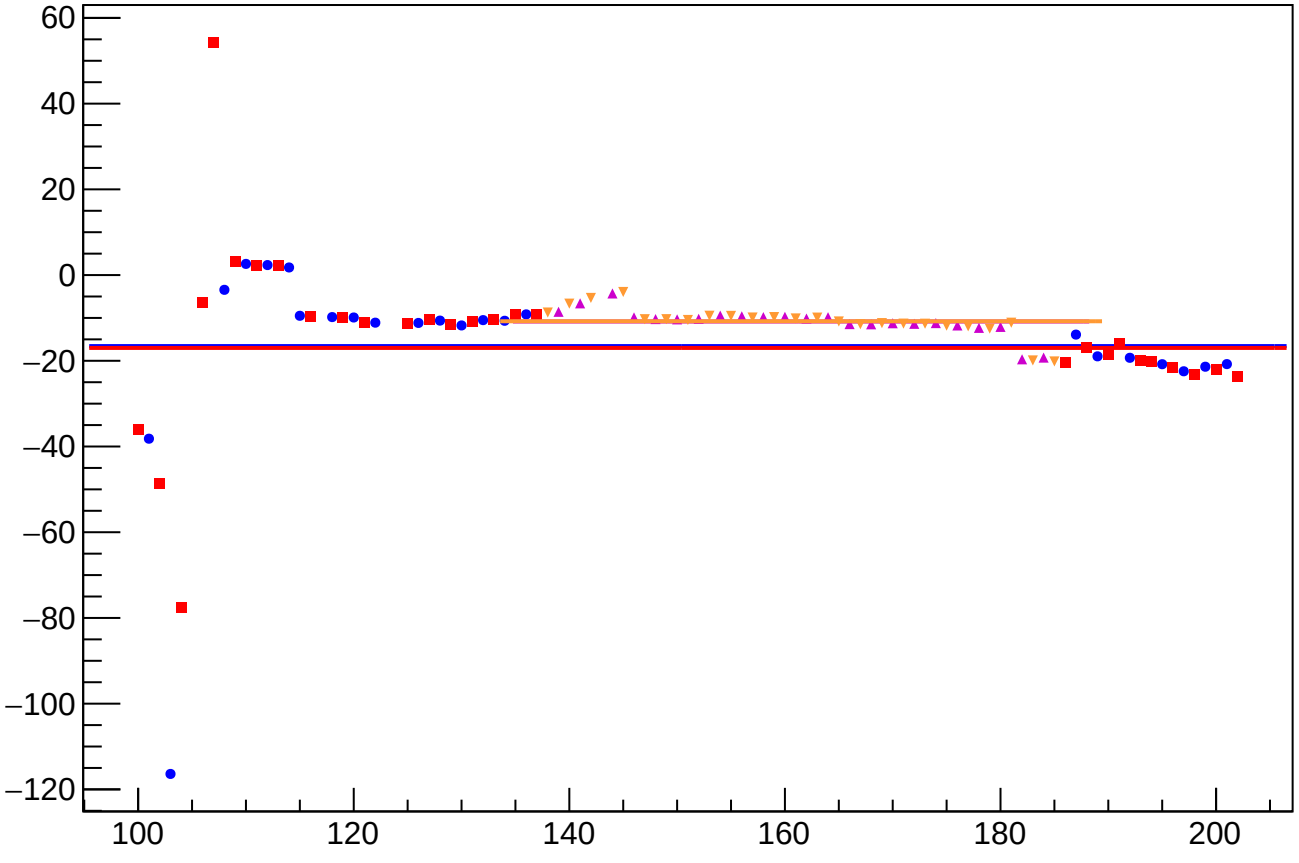
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.758+/-0.200 χ^2/NDF: 726.6/46

All: 16.026+/-0.142 χ^2/NDF: 1313.6/97

- sign 16.299+/-0.202 χ^2/NDF: 583.3/50

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -16.571+/-0.021 χ^2/NDF: 379758.5/22

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -16.998+/-0.020 χ^2/NDF: 374282.5/27

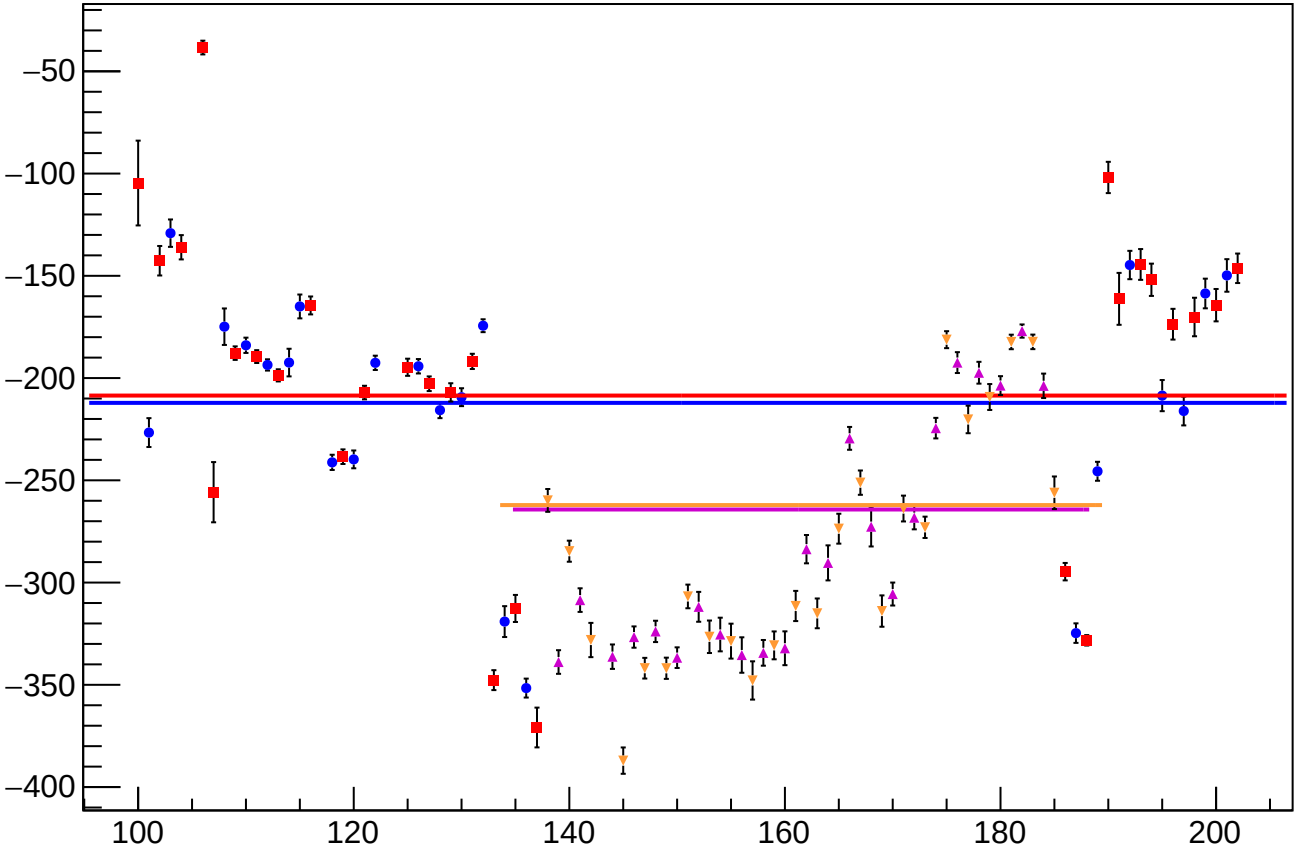
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.920+/-0.009 χ^2/NDF: 527080.6/46

All: -12.027+/-0.006 χ^2/NDF: 1050922.9/97

- sign -12.131+/-0.009 χ^2/NDF: 523579.0/50

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -212.128+/-0.970 χ^2/NDF: 2581.2/22

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -208.557+/-0.867 χ^2/NDF: 7541.6/27

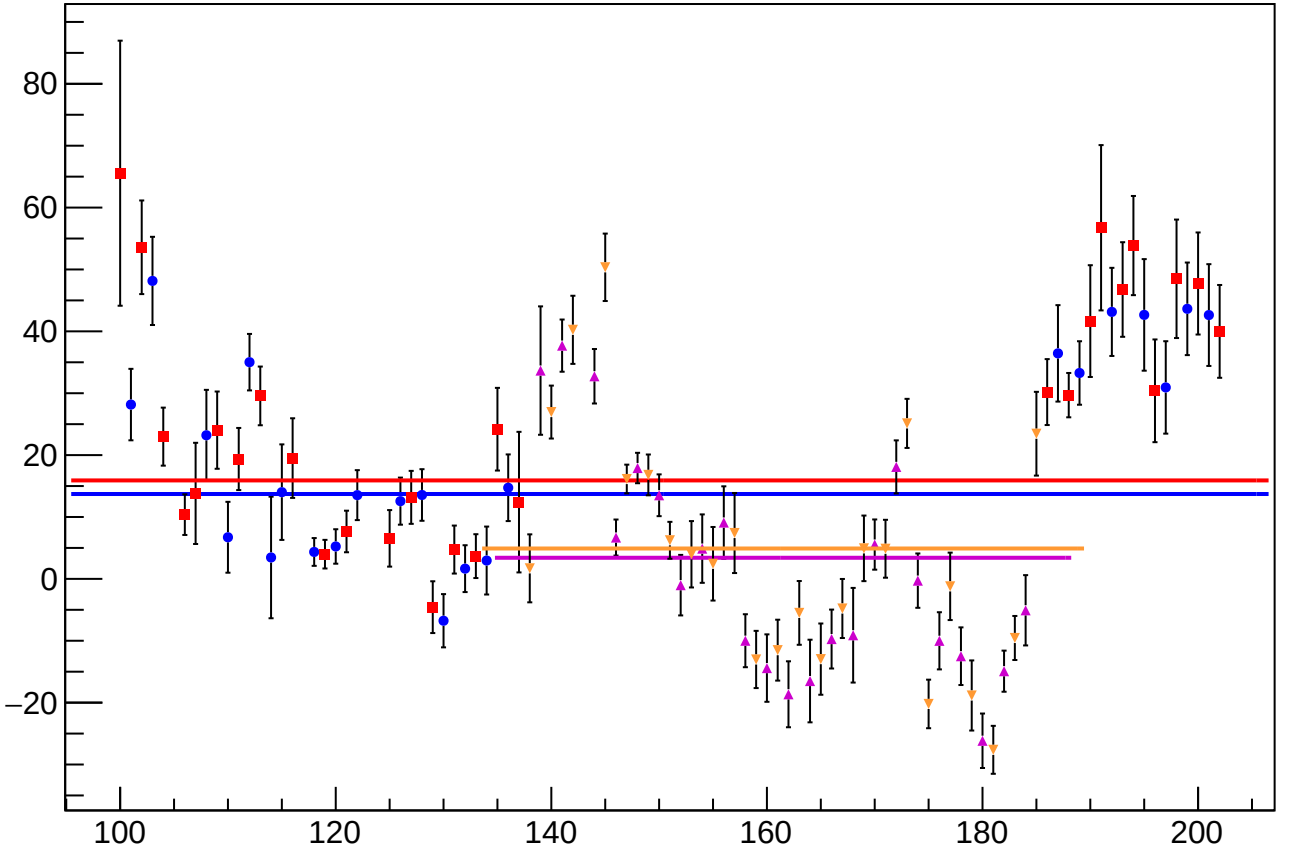
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -232.298+/-0.749 χ^2/NDF: 6617.1/46

All: -229.979+/-0.511 χ^2/NDF: 18357.9/97

- sign -227.956+/-0.700 χ^2/NDF: 11722.8/50

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.713+/-0.991 χ^2/NDF: 203.2/22

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 15.909+/-0.937 χ^2/NDF: 247.2/27

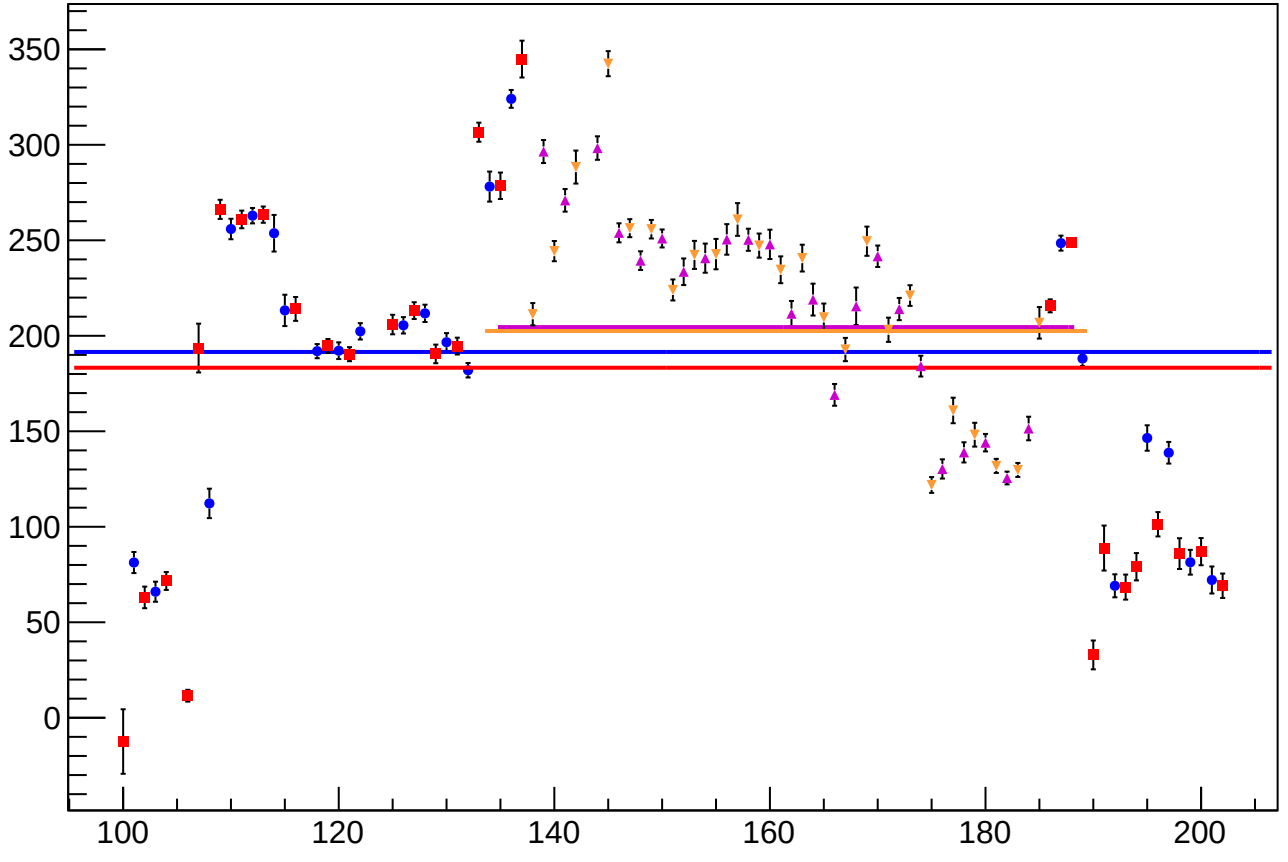
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 8.821+/-0.661 χ^2/NDF: 646.0/46

All: 9.123+/-0.463 χ^2/NDF: 1319.5/97

- sign 9.415+/-0.649 χ^2/NDF: 673.0/50

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 191.538+/-1.043 χ^2/NDF: 3879.5/22

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 183.274+/-0.899 χ^2/NDF: 9244.2/27

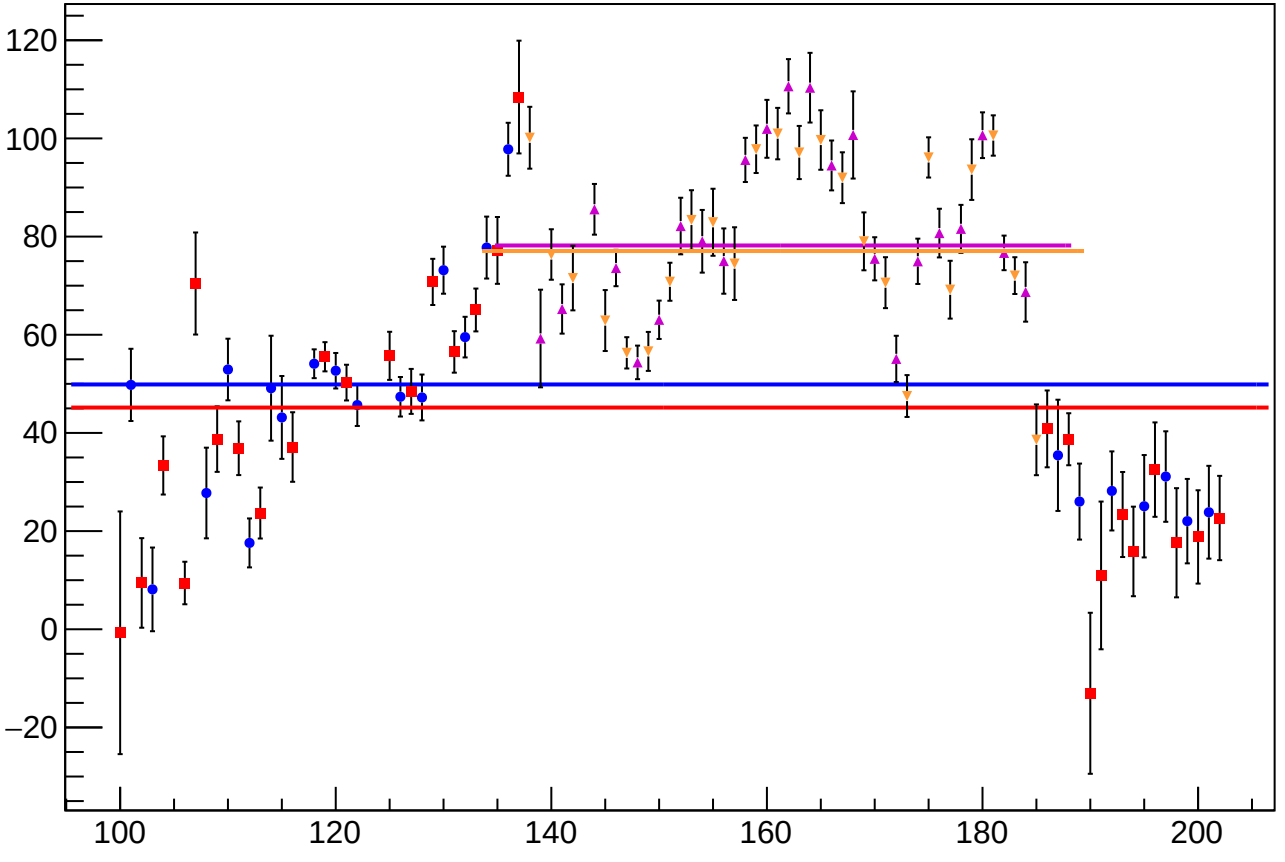
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 196.383+/-0.779 χ^2/NDF: 6321.8/46

All: 193.519+/-0.527 χ^2/NDF: 18083.2/97

- sign 191.112+/-0.714 χ^2/NDF: 11736.5/50

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 49.876+/-1.167 χ^2/NDF: 250.5/22

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 45.168+/-1.113 χ^2/NDF: 306.2/27

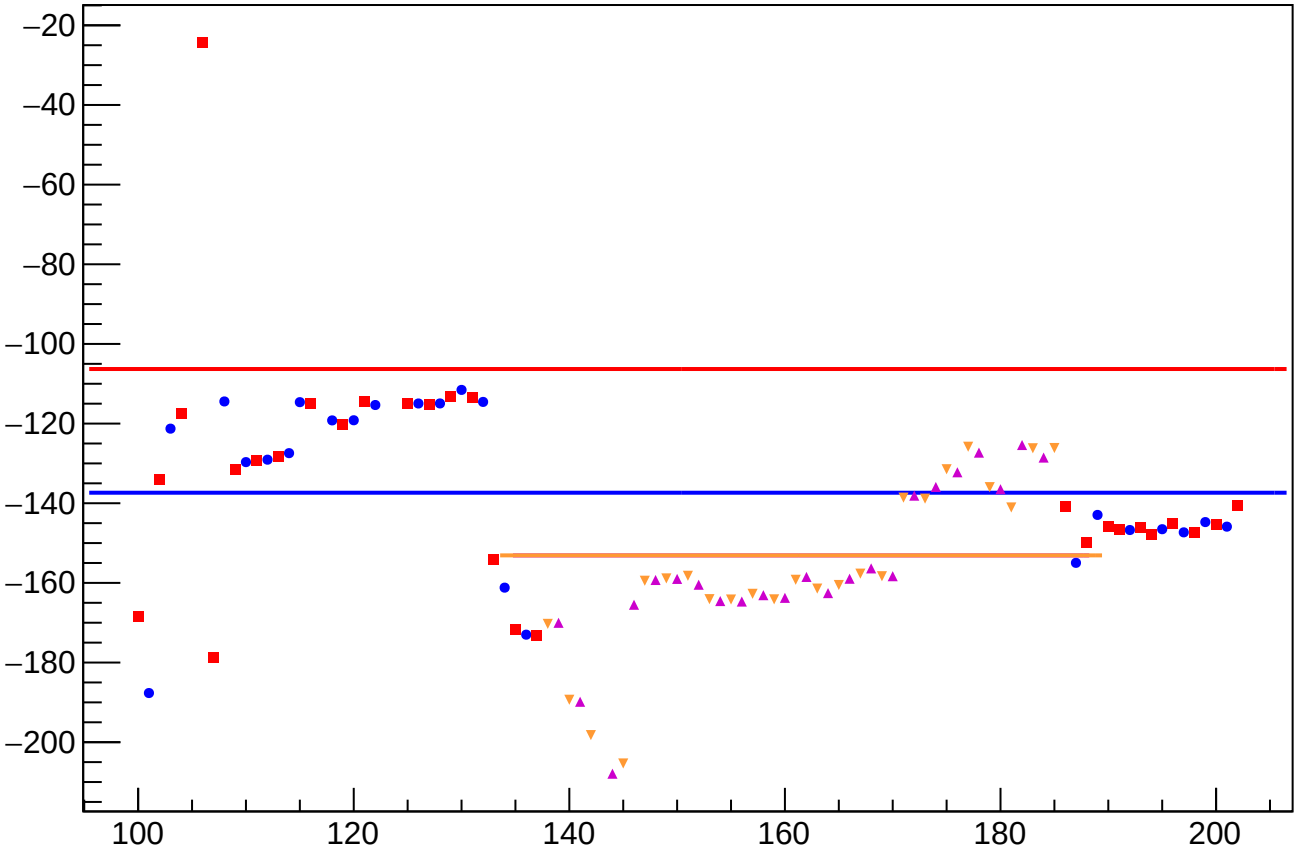
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 65.350+/-0.766 χ^2/NDF: 870.7/46

All: 64.171+/-0.537 χ^2/NDF: 1890.0/97

- sign 63.027+/-0.754 χ^2/NDF: 1014.7/50

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -137.358+/-0.066 χ^2/NDF: 102805.3/22

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -106.298+/-0.054 χ^2/NDF: 967269.4/27

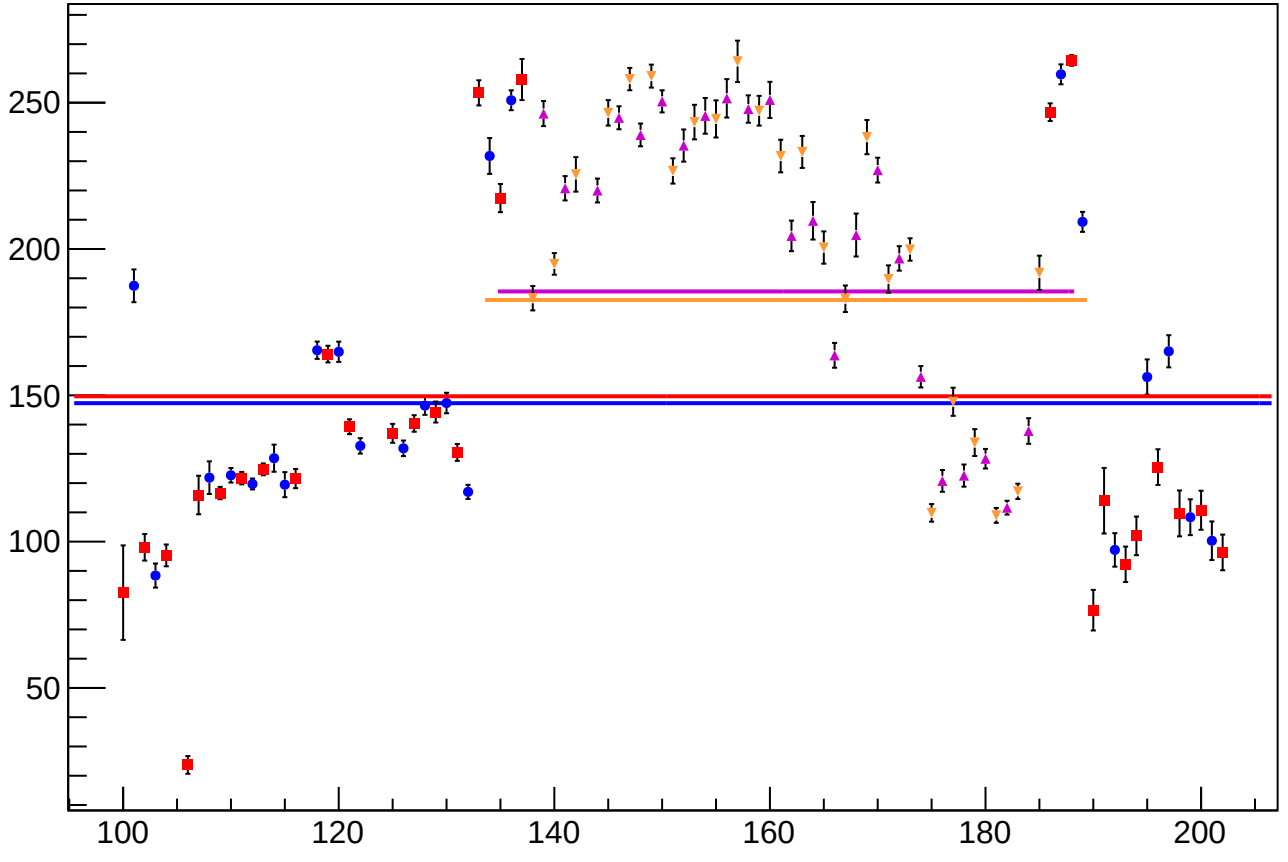
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.808+/-0.038 χ^2/NDF: 318105.0/46

All: -139.732+/-0.026 χ^2/NDF: 1969052.1/97

- sign -132.904+/-0.035 χ^2/NDF: 1568630.1/50

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 147.310+/-0.718 χ^2/NDF: 3655.1/22

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 149.668+/-0.640 χ^2/NDF: 9369.1/27

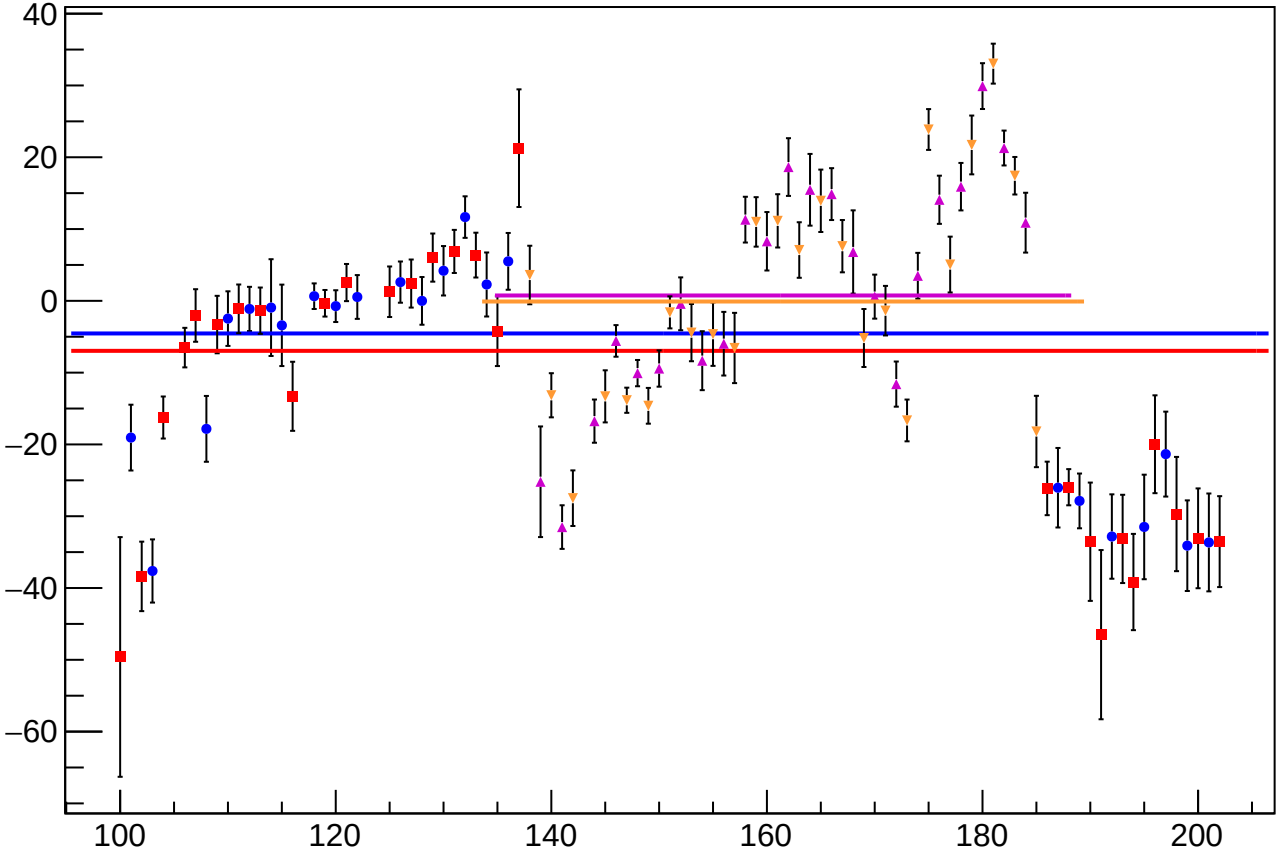
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 161.694+/-0.553 χ^2/NDF: 8790.7/46

All: 161.965+/-0.377 χ^2/NDF: 23079.1/97

- sign 162.201+/-0.516 χ^2/NDF: 14287.9/50

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.543+/-0.755 χ^2/NDF: 283.2/22

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.965+/-0.705 χ^2/NDF: 365.2/27

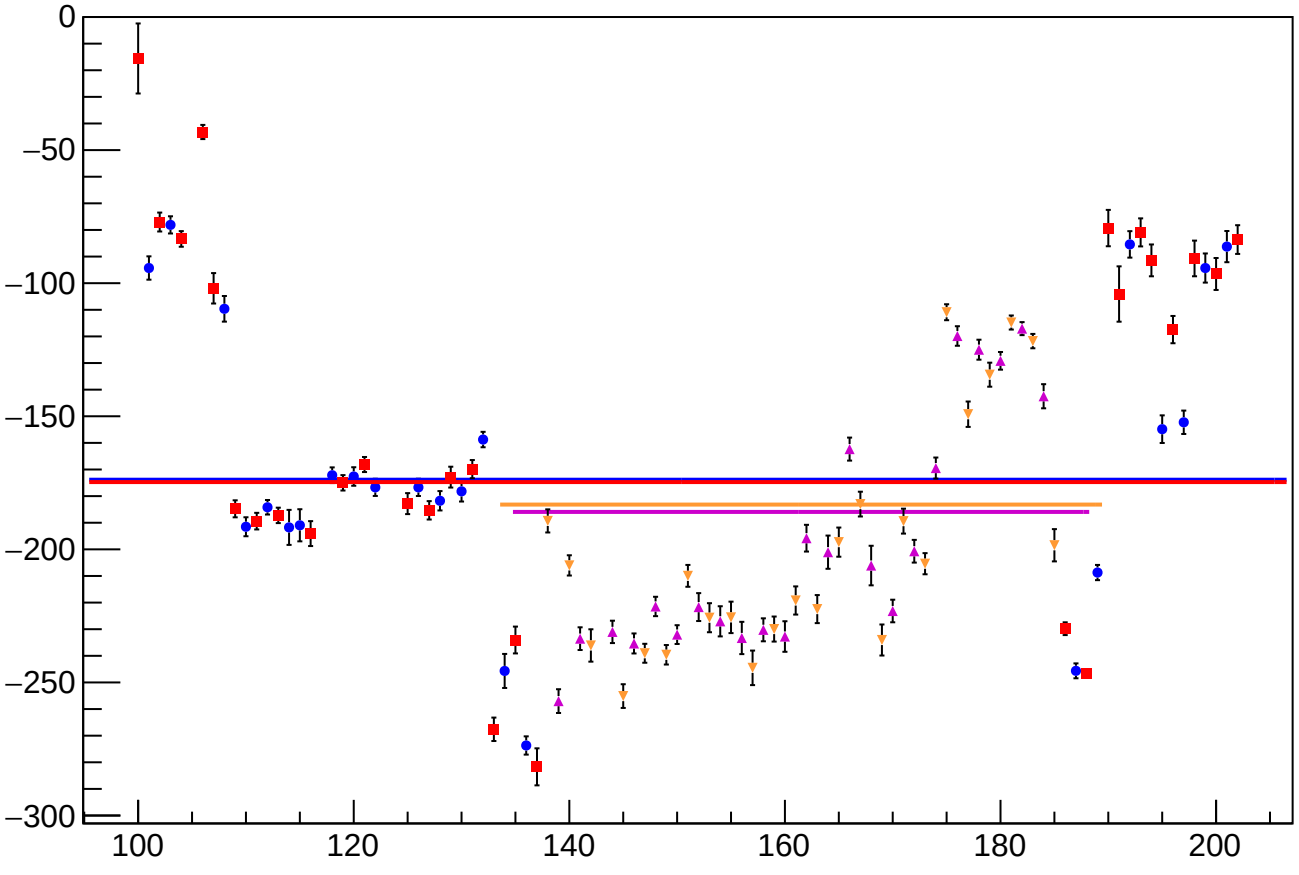
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -2.003+/-0.495 χ^2/NDF: 858.4/46

All: -2.454+/-0.346 χ^2/NDF: 1786.2/97

- sign -2.885+/-0.484 χ^2/NDF: 926.2/50

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -173.837+/-0.777 χ^2/NDF: 4044.5/22

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.722+/-0.666 χ^2/NDF: 9827.4/27

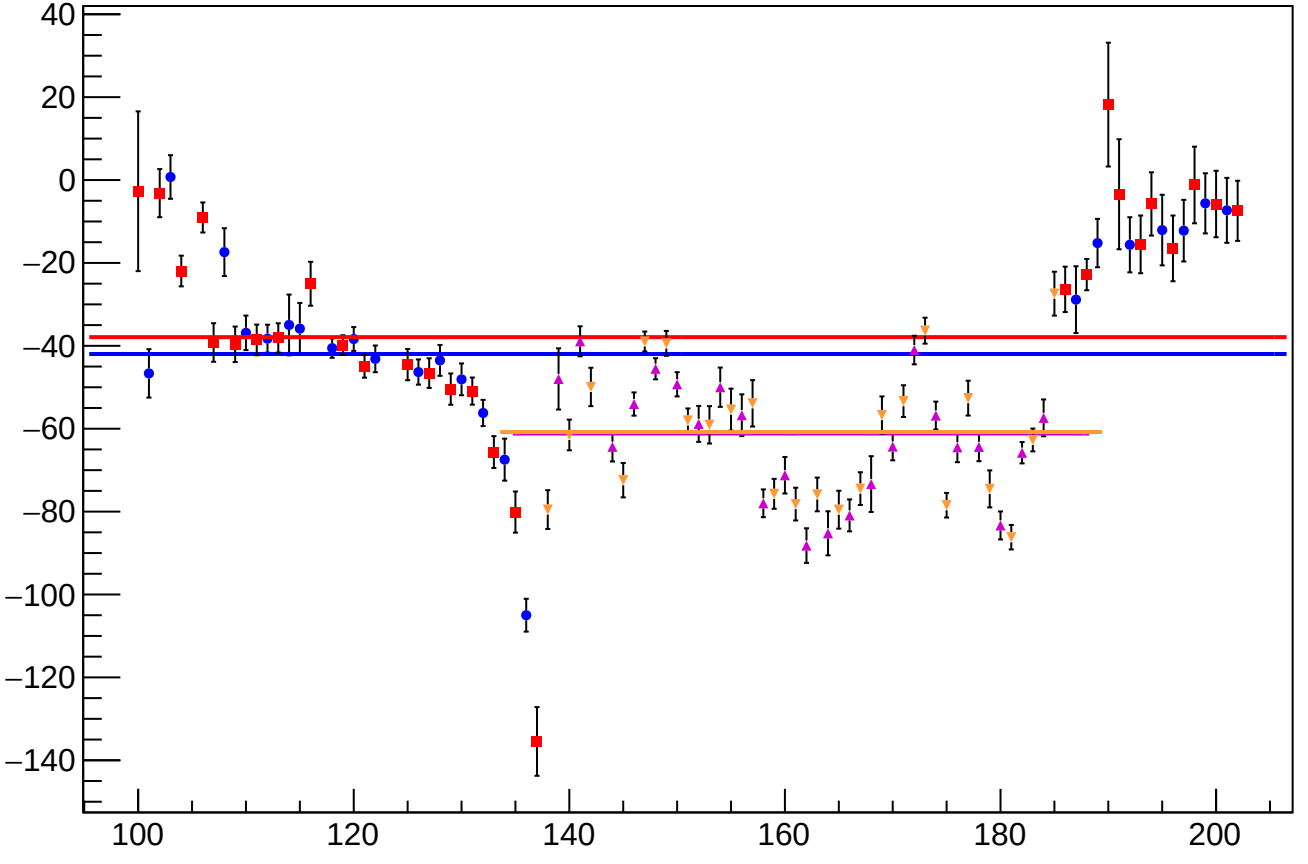
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -178.020+/-0.577 χ^2/NDF: 7470.4/46

All: -178.489+/-0.390 χ^2/NDF: 20585.8/97

- sign -178.881+/-0.528 χ^2/NDF: 13114.2/50

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -41.972+/-0.887 χ^2/NDF: 507.1/22

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -37.904+/-0.838 χ^2/NDF: 559.0/27

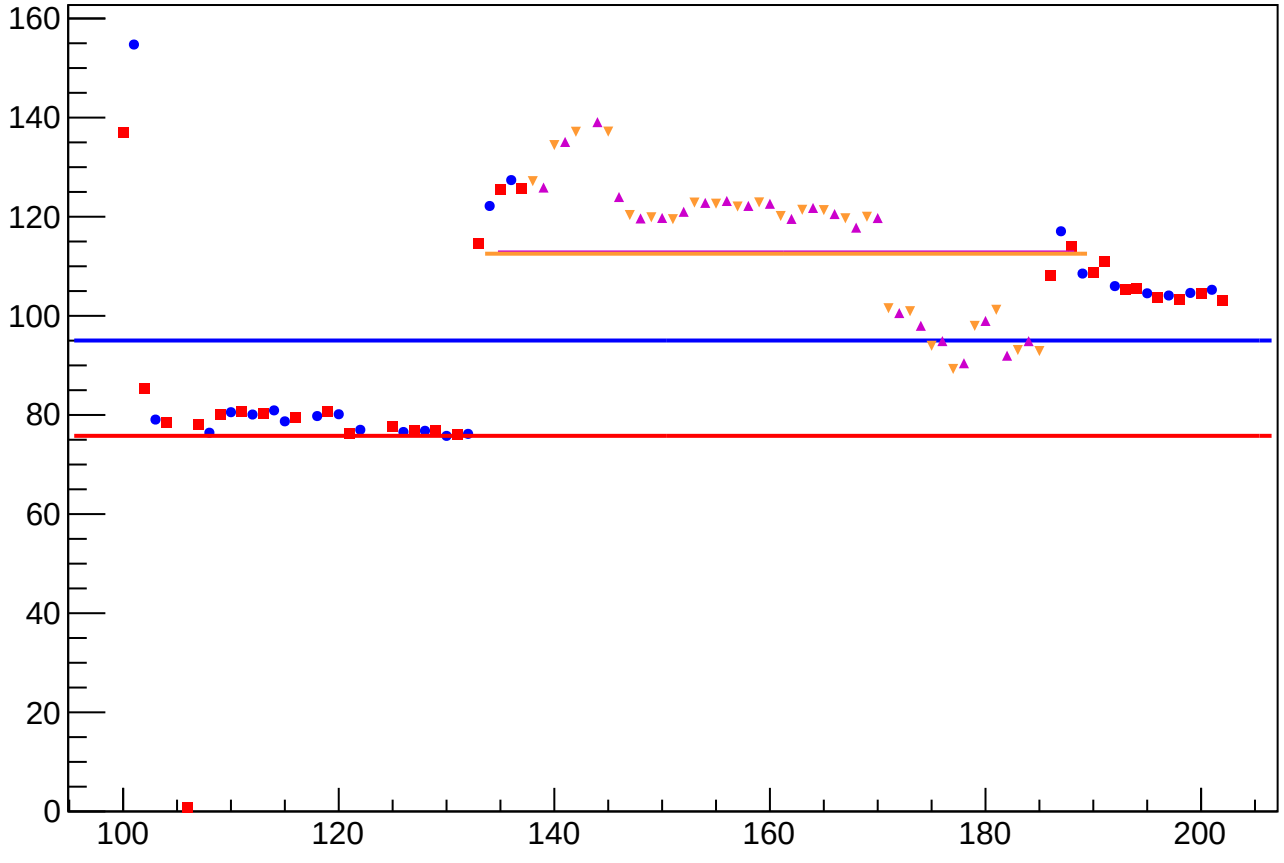
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -52.961+/-0.572 χ^2/NDF: 1244.3/46

All: -51.822+/-0.401 χ^2/NDF: 2552.4/97

- sign -50.723+/-0.562 χ^2/NDF: 1300.3/50

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 95.022+/-0.050 χ^2/NDF: 181106.4/22

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 75.789+/-0.042 χ^2/NDF: 867956.2/27

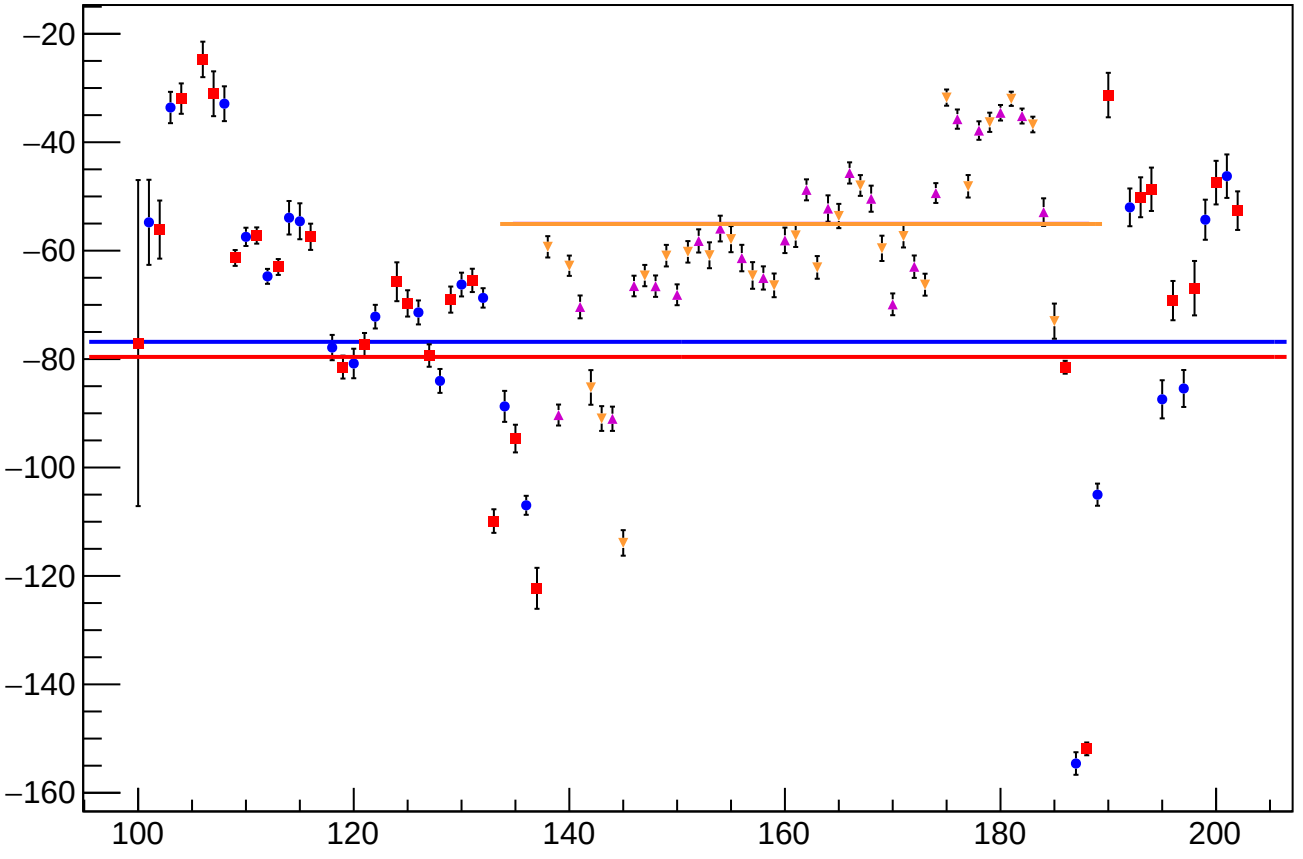
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.800+/-0.028 χ^2/NDF: 439671.0/46

All: 102.062+/-0.019 χ^2/NDF: 1997003.6/97

- sign 97.890+/-0.027 χ^2/NDF: 1504835.4/50

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -76.818+/-0.496 χ^2/NDF: 2856.4/22

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -79.600+/-0.427 χ^2/NDF: 5926.2/27

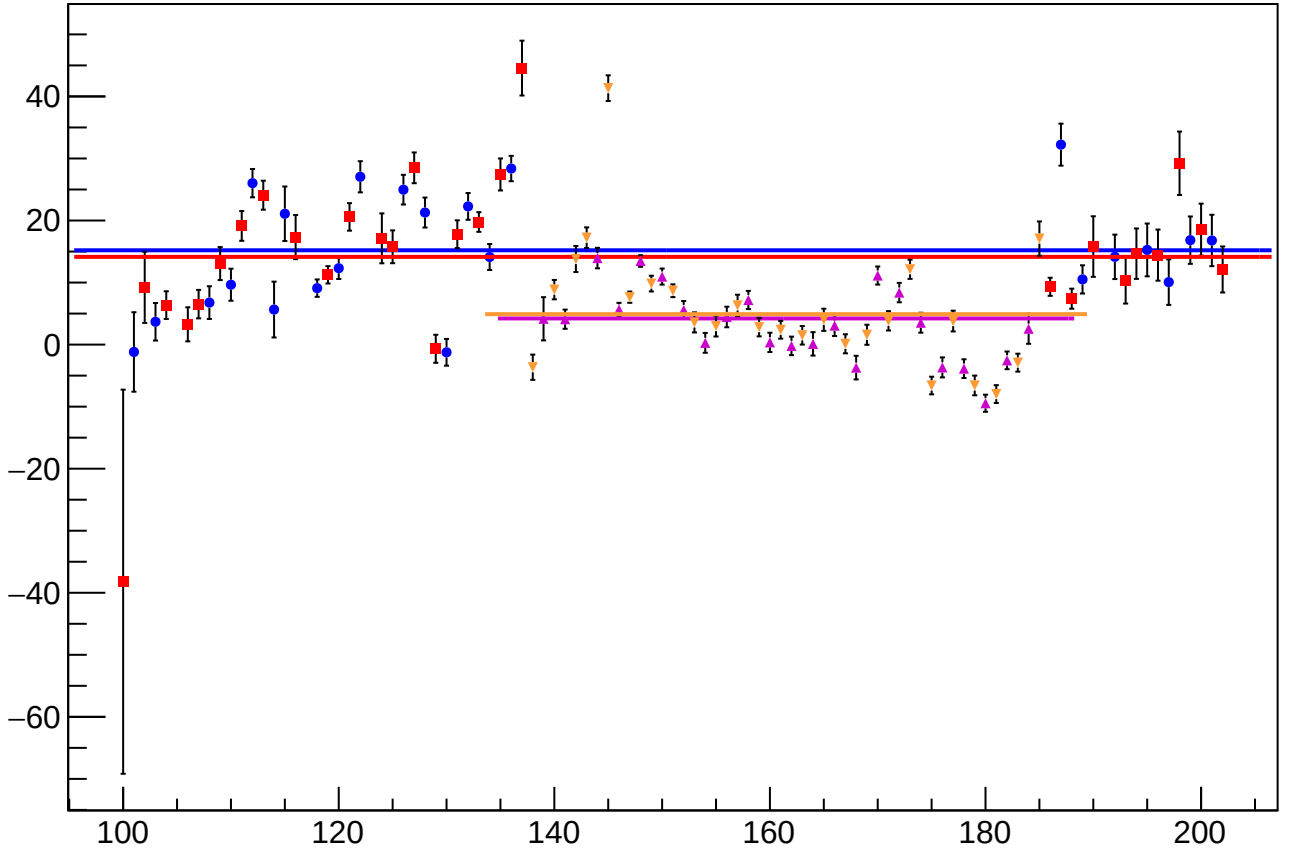
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.665+/-0.312 χ^2/NDF: 6022.9/47

All: -65.337+/-0.215 χ^2/NDF: 15264.5/98

- sign -66.845+/-0.296 χ^2/NDF: 9186.8/50

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.201+/-0.529 χ^2/NDF: 274.4/22

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.141+/-0.473 χ^2/NDF: 284.8/27

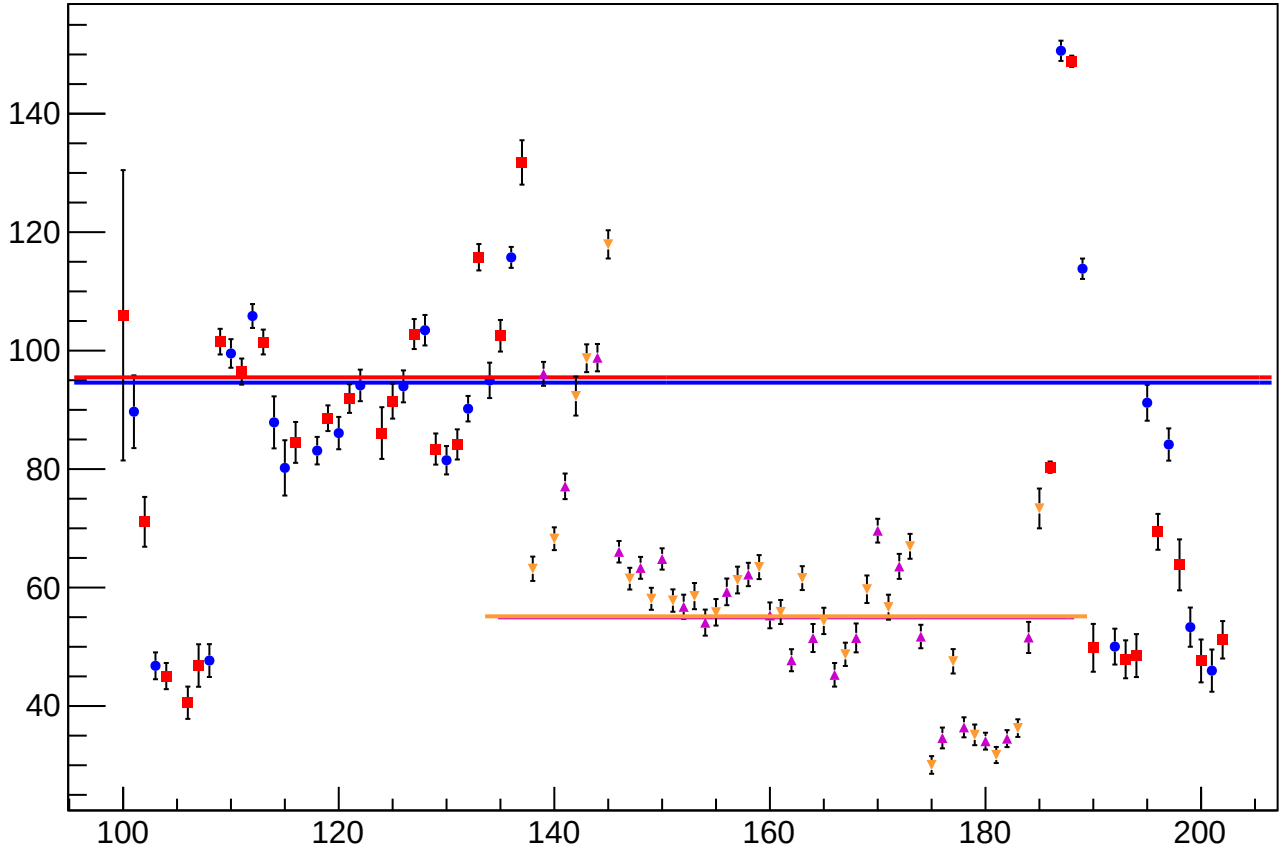
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.435+/-0.262 χ^2/NDF: 1302.0/47

All: 7.330+/-0.185 χ^2/NDF: 2308.6/98

- sign 7.227+/-0.261 χ^2/NDF: 1006.3/50

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 94.597+/-0.524 χ^2/NDF: 2774.6/22

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 95.486+/-0.429 χ^2/NDF: 5857.2/27

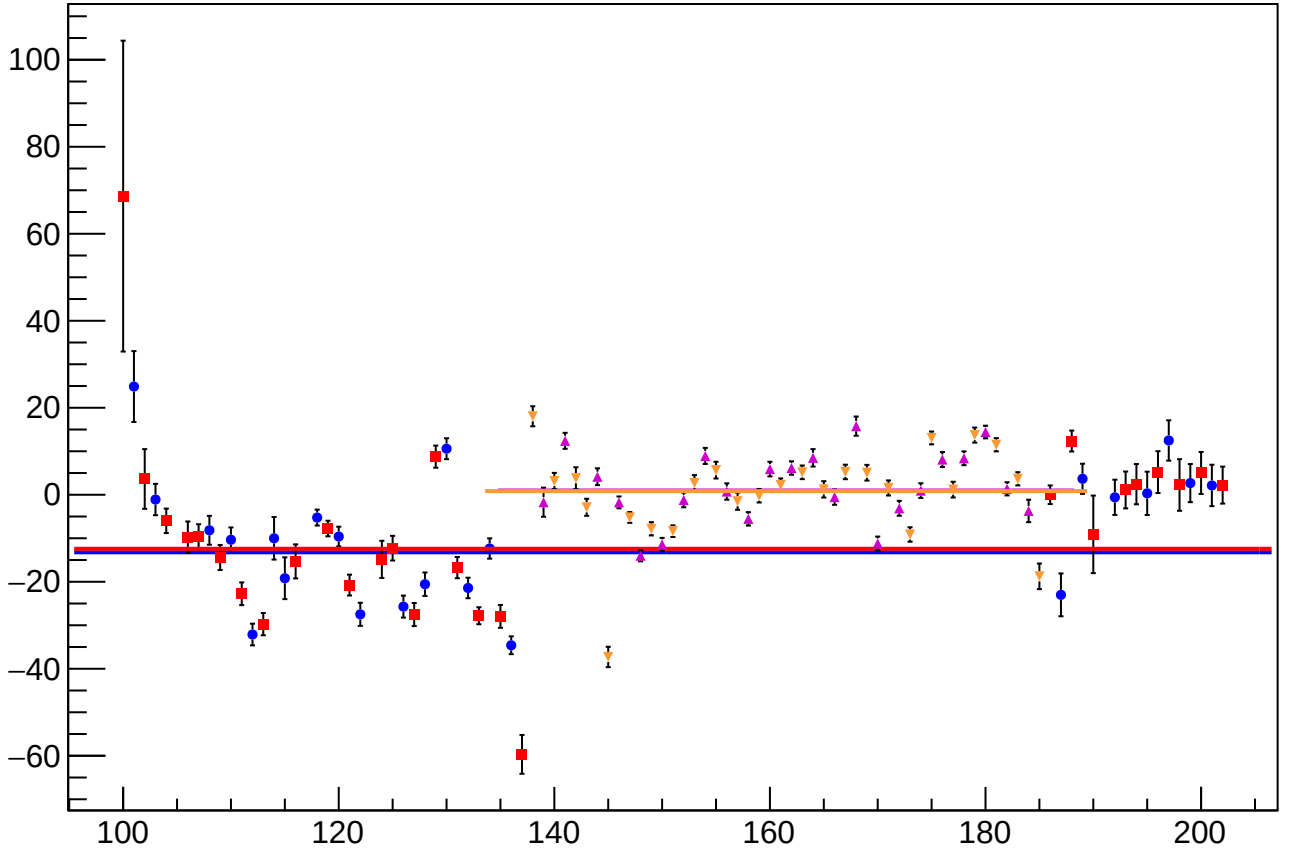
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

\+ sign 69.520+/-0.316 χ^2/NDF: 8617.8/47

All: 71.962+/-0.216 χ^2/NDF: 21073.4/98

\- sign 74.082+/-0.295 χ^2/NDF: 12344.2/50

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.228+/-0.617 χ^2/NDF: 497.0/22

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

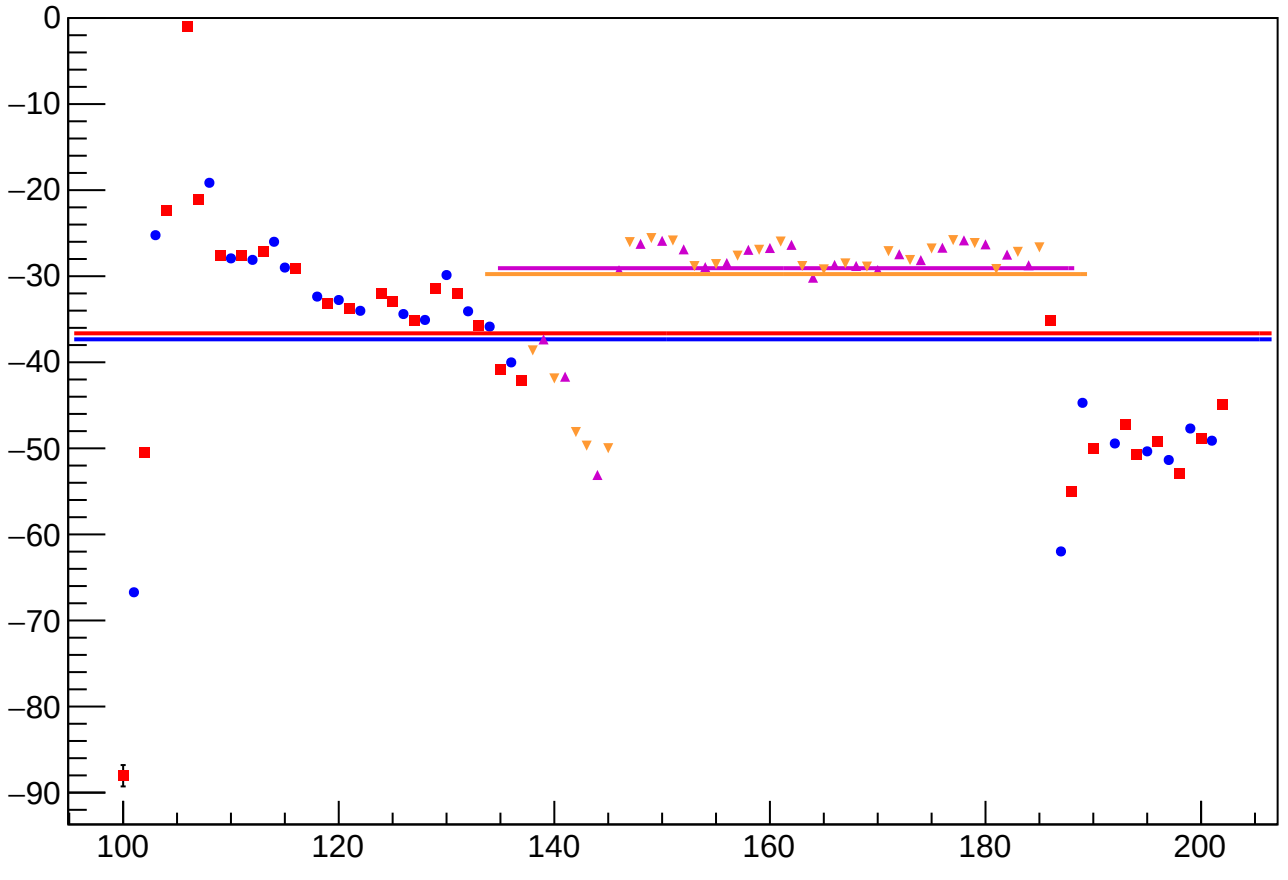
Right Out: -12.419+/-0.569 χ^2/NDF: 617.9/27

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.479+/-0.300 χ^2/NDF: 1611.4/47

All: -2.615+/-0.212 χ^2/NDF: 3188.5/98

\- sign -2.750+/-0.300 χ^2/NDF: 1576.7/50



Right In: -37.333+/-0.032 χ^2/NDF: 109452.0/22

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.637+/-0.030 χ^2/NDF: 202527.0/27

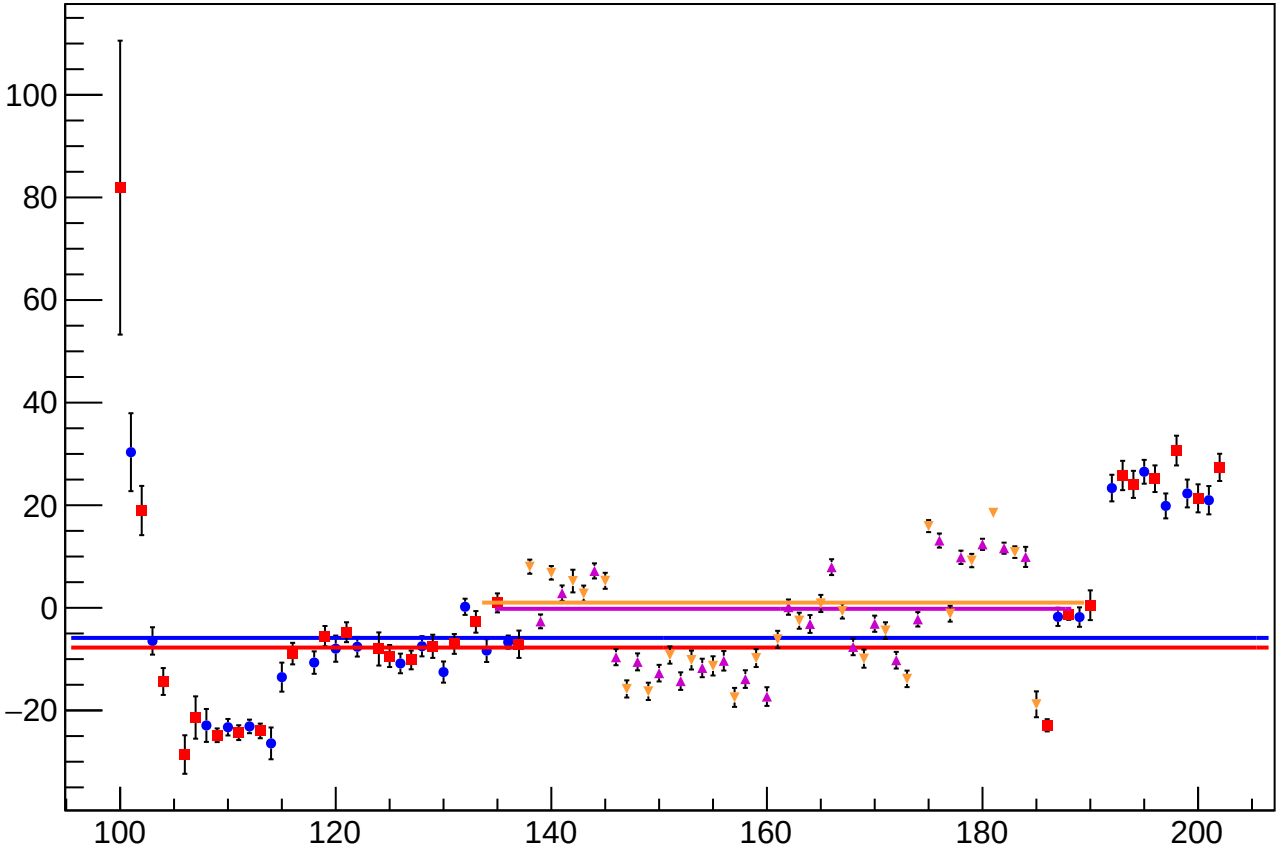
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.222+/-0.014 χ^2/NDF: 318875.1/47

All: -30.964+/-0.010 χ^2/NDF: 673380.3/98

- sign -30.707+/-0.014 χ^2/NDF: 353827.7/50

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -5.864+/-0.430 χ^2/NDF: 1075.7/22

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -7.745+/-0.380 χ^2/NDF: 1666.0/27

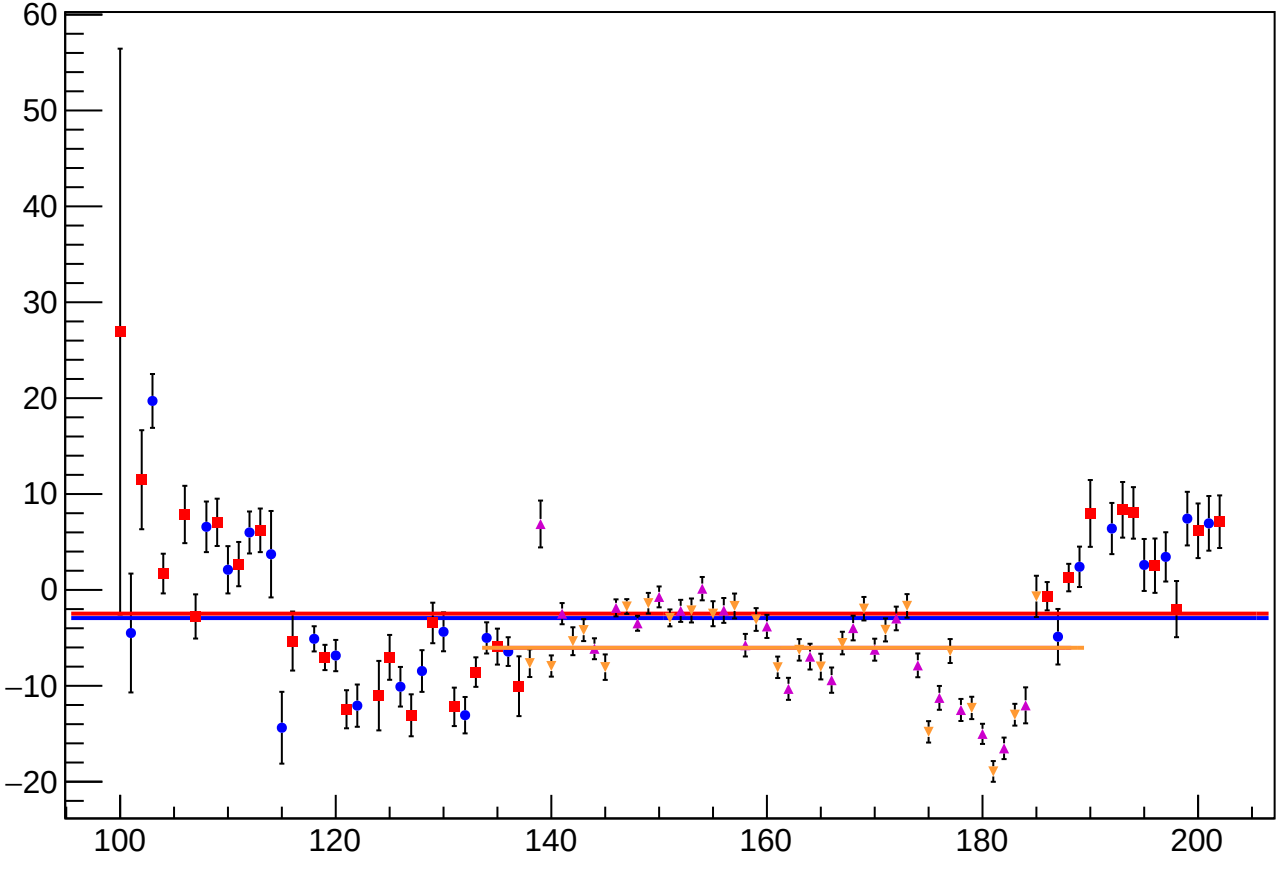
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -1.288+/-0.249 χ^2/NDF: 2581.4/47

All: -2.302+/-0.173 χ^2/NDF: 5497.3/98

- sign -3.265+/-0.242 χ^2/NDF: 2883.4/50

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.936+/-0.458 χ^2/NDF: 245.8/22

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.473+/-0.423 χ^2/NDF: 249.7/27

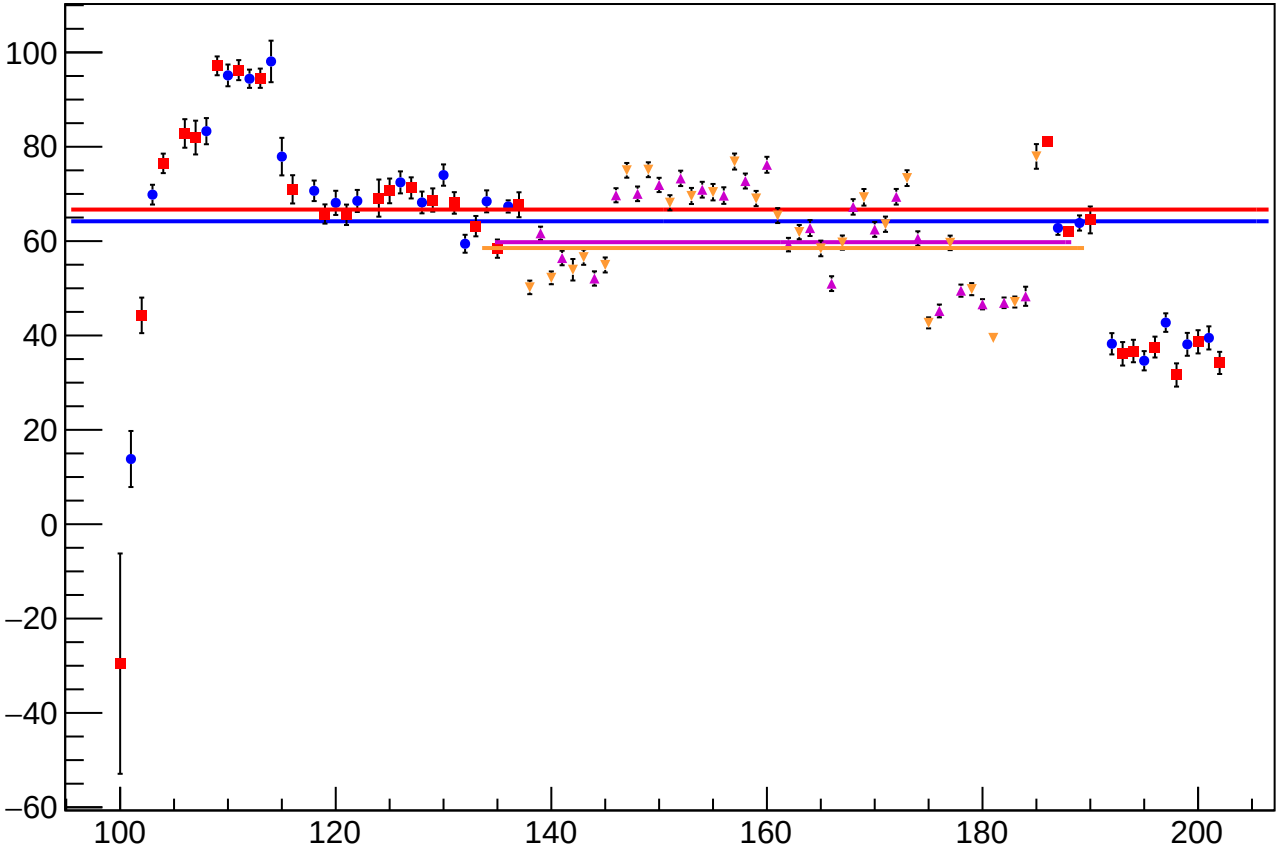
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.397+/-0.208 χ^2/NDF: 697.0/47

All: -5.280+/-0.148 χ^2/NDF: 1397.1/98

- sign -5.159+/-0.211 χ^2/NDF: 699.4/50

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 64.205+/-0.446 χ^2/NDF: 1364.9/22

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 66.691+/-0.380 χ^2/NDF: 2030.3/27

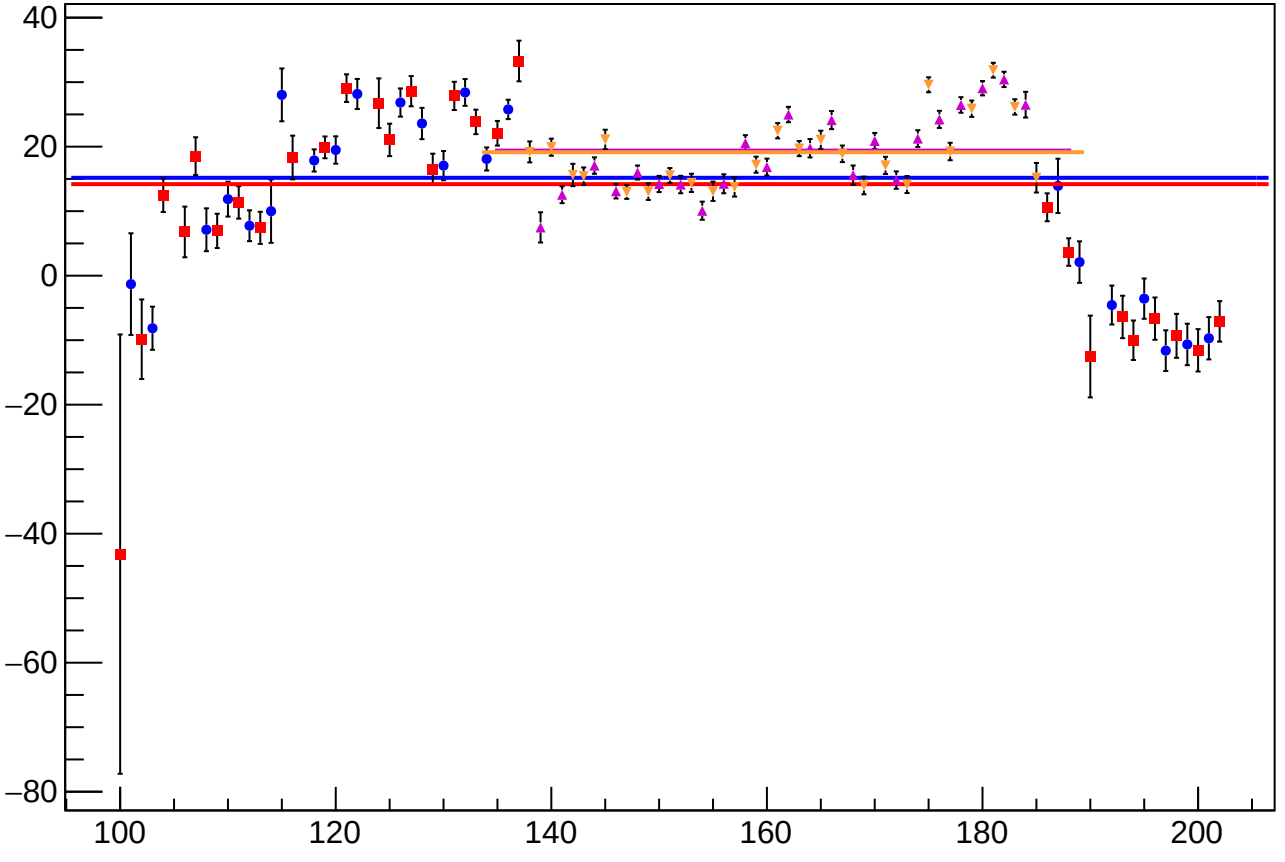
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 60.322+/-0.251 χ^2/NDF: 2924.5/47

All: 61.484+/-0.174 χ^2/NDF: 6264.7/98

- sign 62.557+/-0.241 χ^2/NDF: 3298.8/50

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 15.170+/-0.529 χ^2/NDF: 542.8/22

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 14.188+/-0.503 χ^2/NDF: 618.9/27

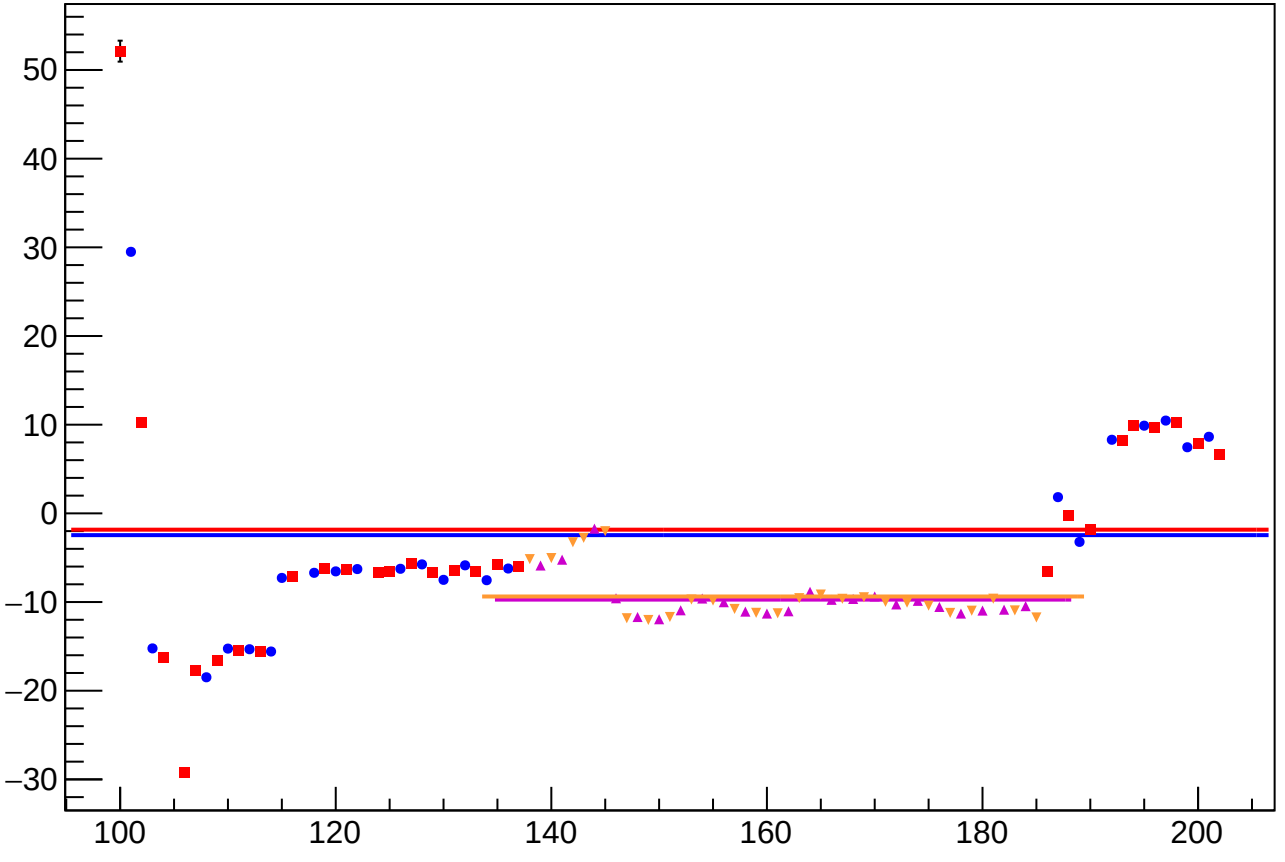
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.347+/-0.236 χ^2/NDF: 1021.6/47

All: 18.276+/-0.168 χ^2/NDF: 2190.9/98

- sign 18.203+/-0.240 χ^2/NDF: 1169.1/50

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -2.455+/-0.025 χ^2/NDF: 145608.2/22

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.839+/-0.025 χ^2/NDF: 183447.7/27

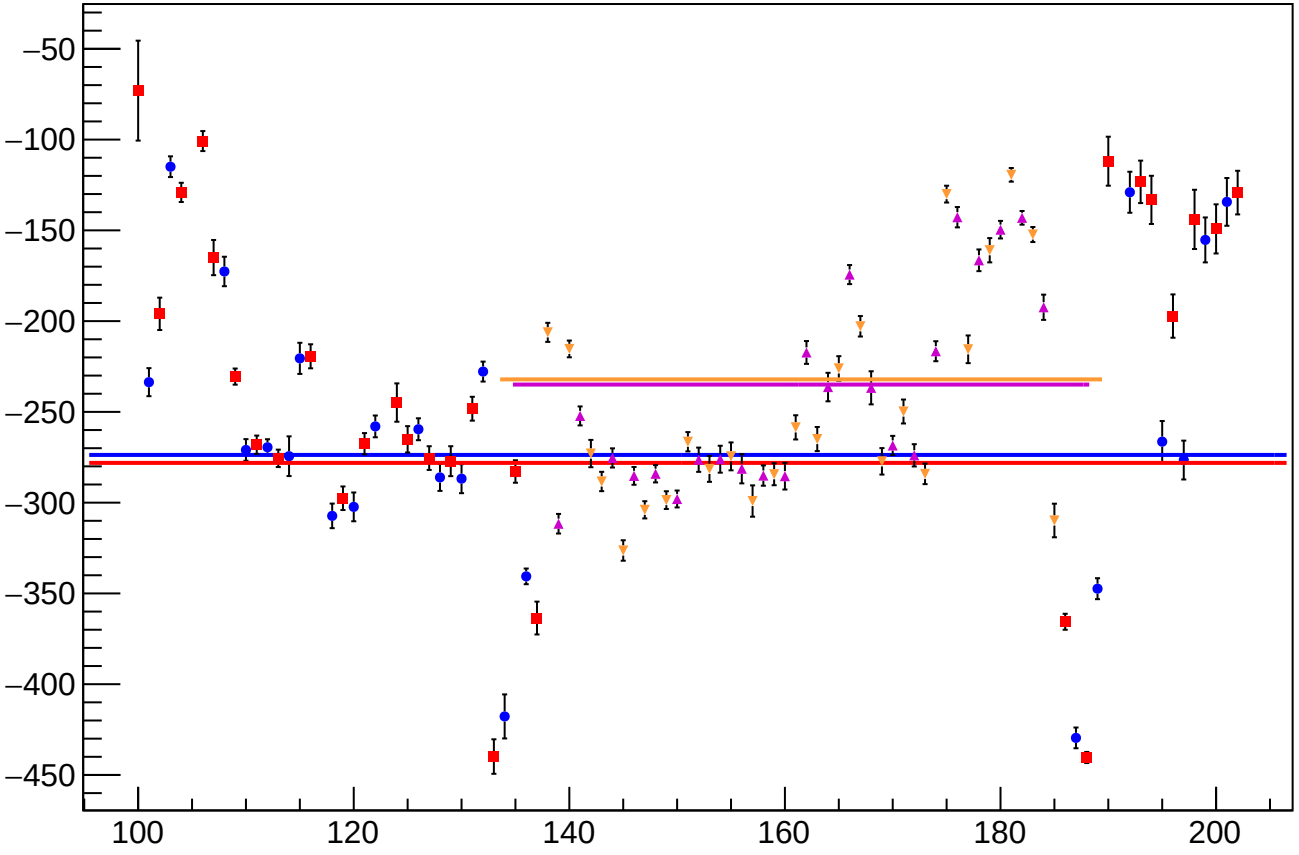
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -8.134+/-0.011 χ^2/NDF: 256334.7/47

All: -8.162+/-0.008 χ^2/NDF: 554277.1/98

- sign -8.191+/-0.011 χ^2/NDF: 297928.9/50

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -273.706+/-1.441 χ^2/NDF: 2778.0/22

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -278.094+/-1.249 χ^2/NDF: 6728.2/27

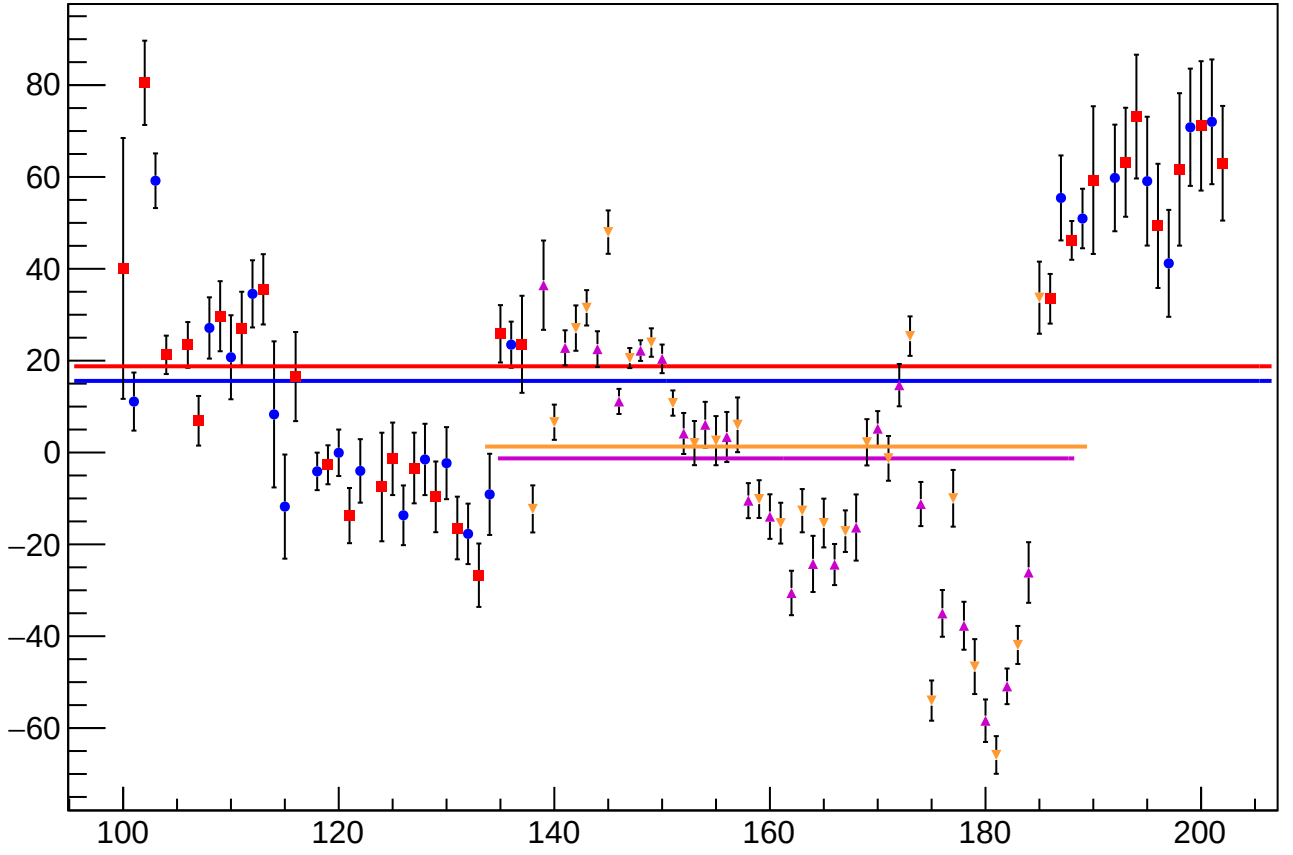
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -248.156+/-0.896 χ^2/NDF: 6559.6/47

All: -251.843+/-0.619 χ^2/NDF: 16422.9/98

- sign -255.213+/-0.856 χ^2/NDF: 9830.8/50

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.590+/-1.513 χ^2/NDF: 290.4/22

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 18.772+/-1.349 χ^2/NDF: 343.9/27

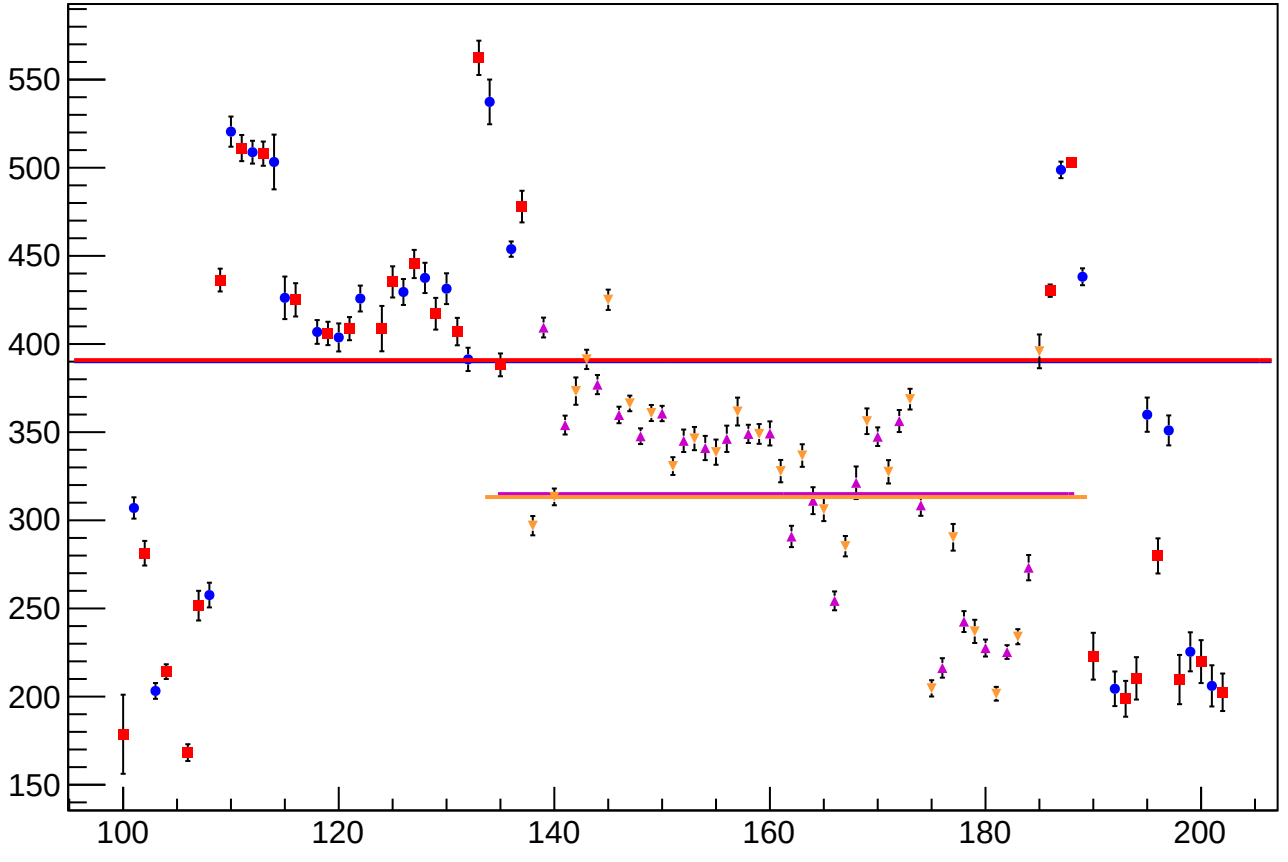
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 4.644+/-0.732 χ^2/NDF: 1408.2/47

All: 4.622+/-0.517 χ^2/NDF: 2719.5/98

- sign 4.600+/-0.730 χ^2/NDF: 1311.3/50

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 390.250+/-1.461 χ^2/NDF: 4875.0/22

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 390.864+/-1.223 χ^2/NDF: 9452.4/27

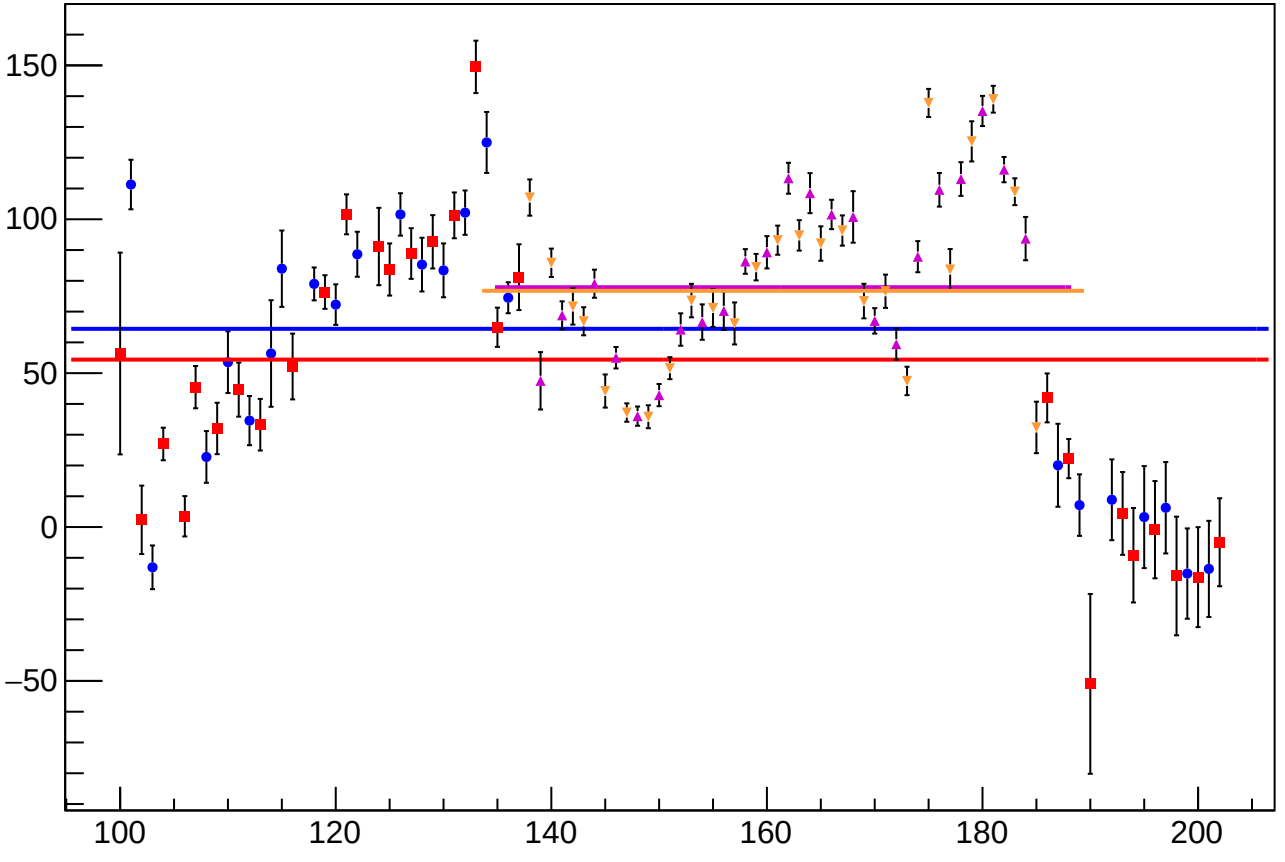
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 342.173+/-0.896 χ^2/NDF: 9747.1/47

All: 346.806+/-0.614 χ^2/NDF: 23709.5/98

- sign 350.901+/-0.842 χ^2/NDF: 13912.0/50

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 64.408+/-1.778 χ^2/NDF: 468.5/22

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 54.398+/-1.628 χ^2/NDF: 559.5/27

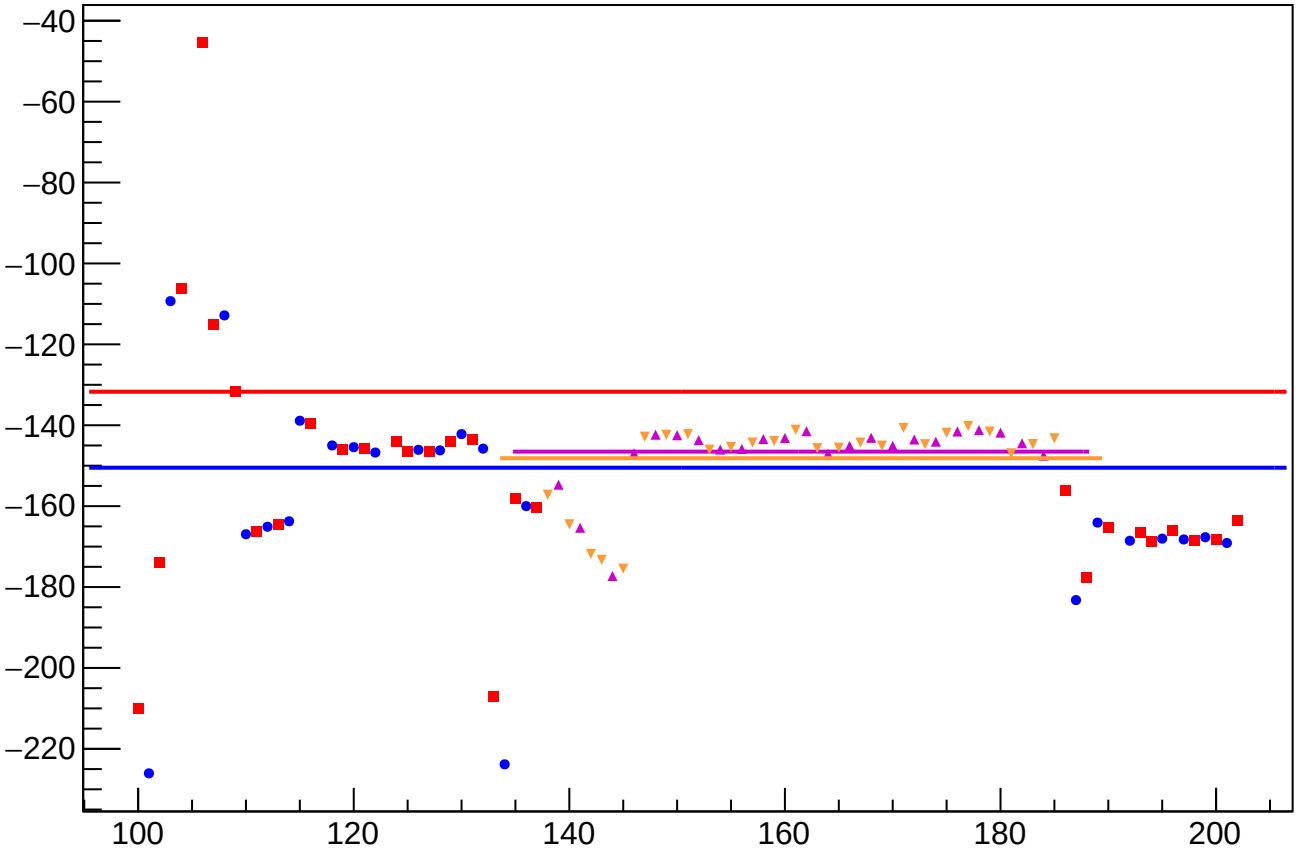
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 73.942+/-0.849 χ^2/NDF: 1541.0/47

All: 72.726+/-0.601 χ^2/NDF: 3040.3/98

- sign 71.509+/-0.850 χ^2/NDF: 1495.1/50

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -150.500+/-0.087 χ^2/NDF: 145217.4/22

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -131.716+/-0.077 χ^2/NDF: 343310.5/27

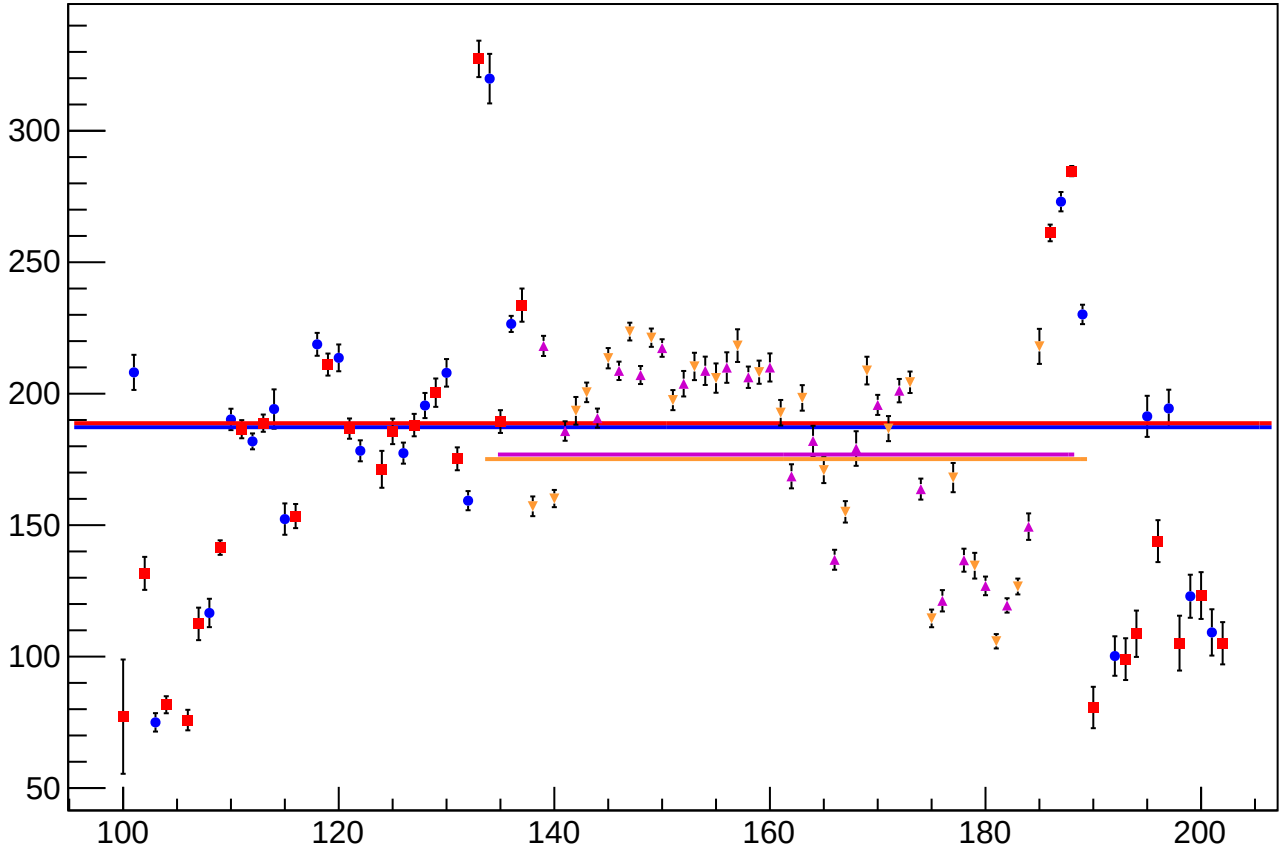
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.650+/-0.040 χ^2/NDF: 194708.2/47

All: -145.624+/-0.028 χ^2/NDF: 605649.0/98

- sign -142.709+/-0.039 χ^2/NDF: 399698.3/50

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 187.258+/-0.965 χ^2/NDF: 2733.6/22

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 188.777+/-0.827 χ^2/NDF: 6678.4/27

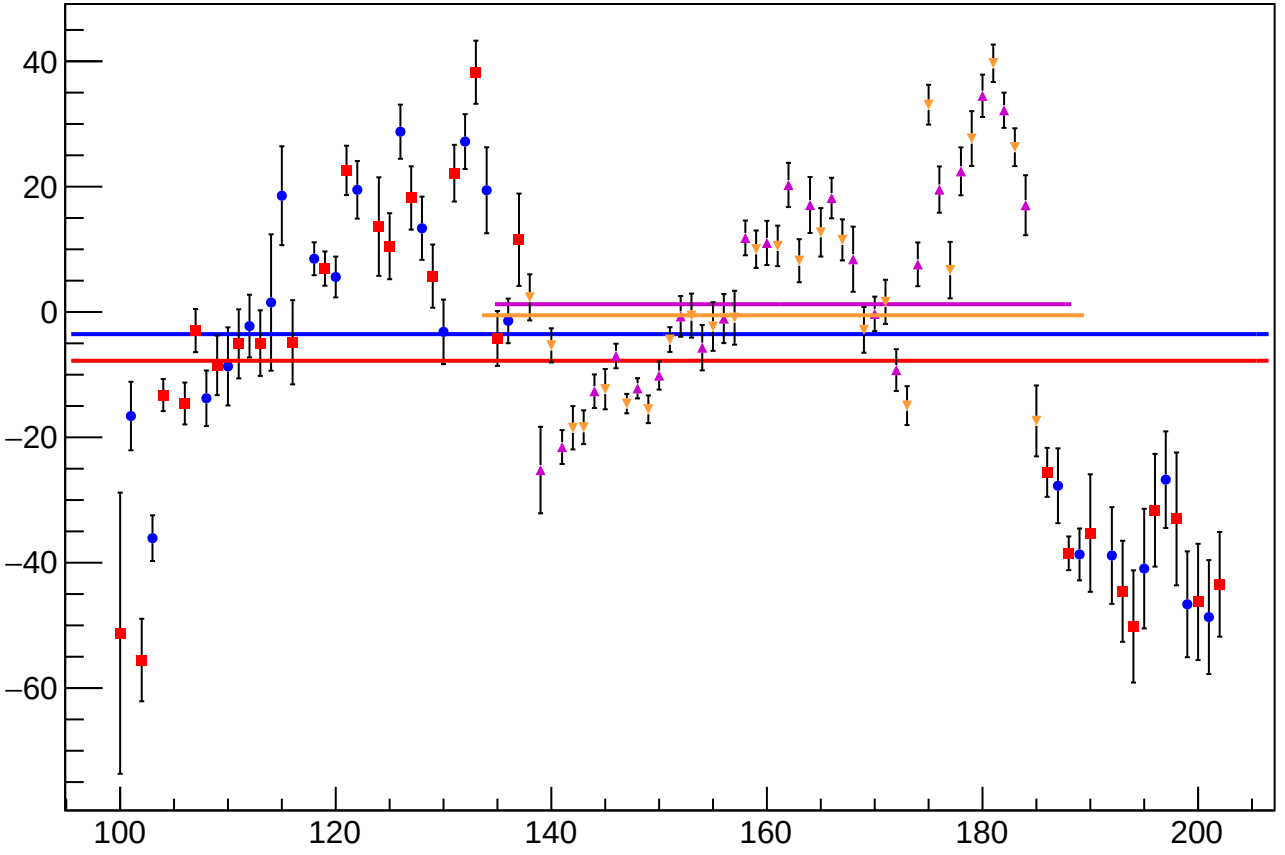
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 180.224+/-0.626 χ^2/NDF: 5120.3/47

All: 181.671+/-0.430 χ^2/NDF: 13666.3/98

- sign 182.964+/-0.592 χ^2/NDF: 8535.8/50

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -3.532+/-1.012 χ^2/NDF: 466.2/22

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -7.778+/-0.889 χ^2/NDF: 595.6/27

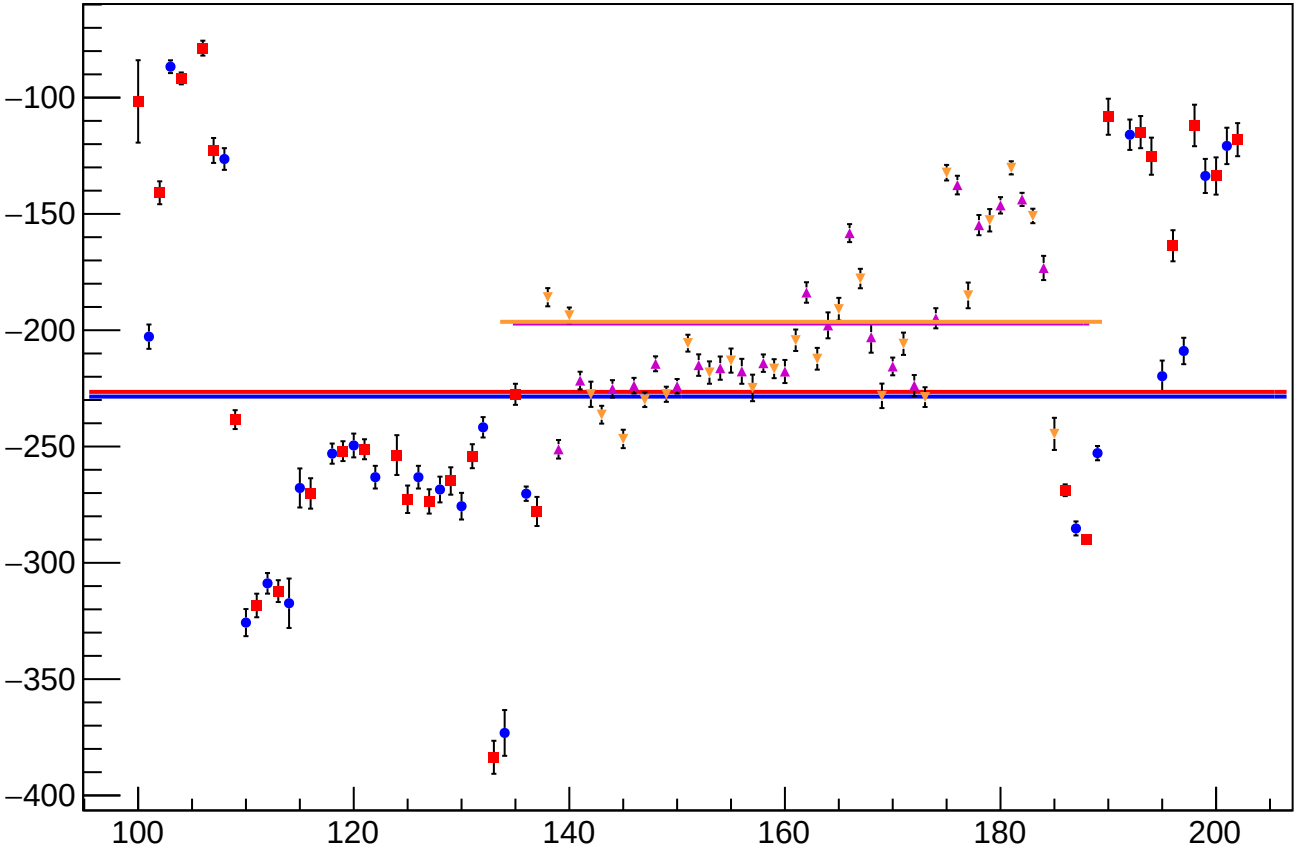
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -1.307+/-0.517 χ^2/NDF: 1197.2/47

All: -1.528+/-0.363 χ^2/NDF: 2482.7/98

- sign -1.745+/-0.511 χ^2/NDF: 1285.1/50

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -228.535+/-0.975 χ^2/NDF: 5627.3/22

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.508+/-0.806 χ^2/NDF: 10407.0/27

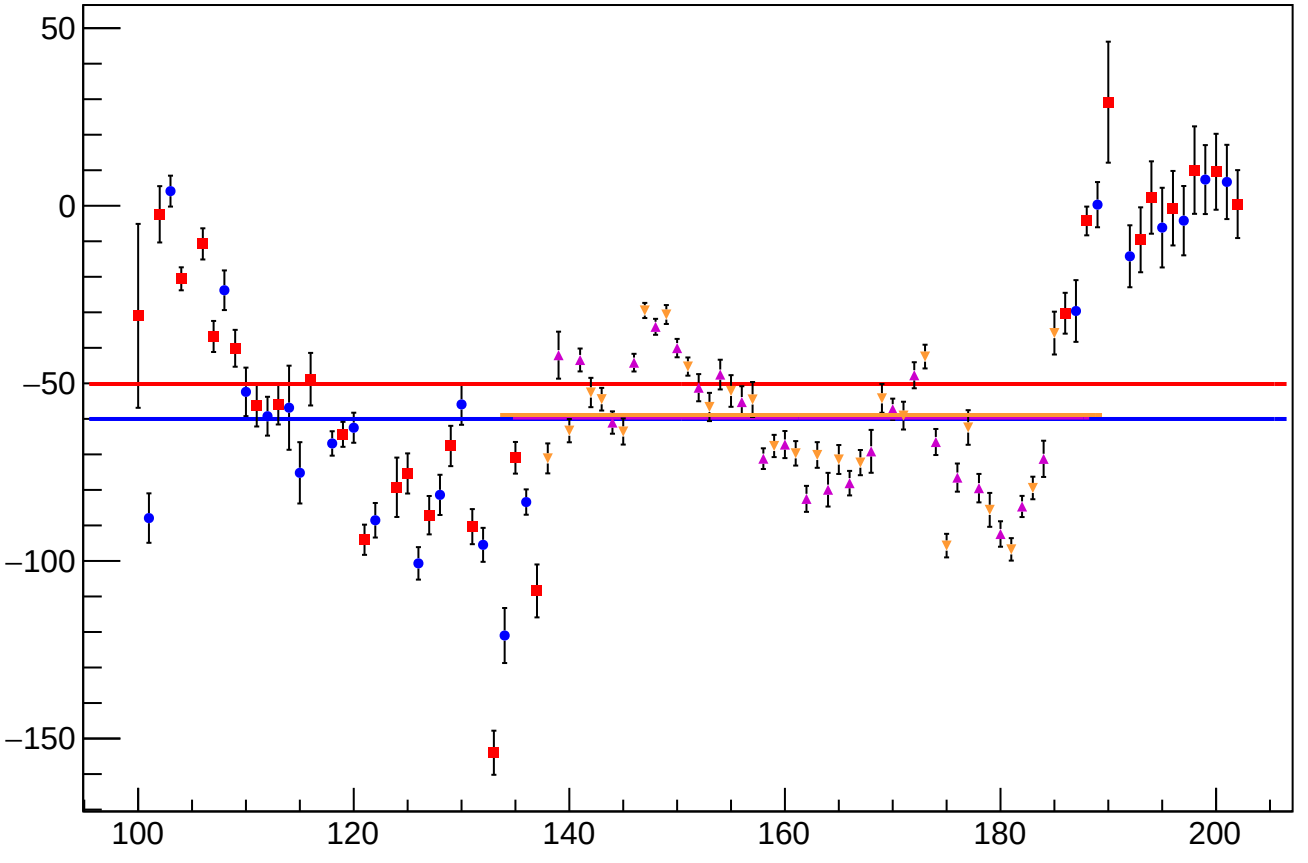
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -209.618+/-0.626 χ^2/NDF: 8264.6/47

All: -211.101+/-0.426 χ^2/NDF: 20923.4/98

- sign -212.377+/-0.580 χ^2/NDF: 12648.3/50

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -60.030+/-1.194 χ^2/NDF: 846.7/22

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -50.179+/-1.075 χ^2/NDF: 1170.1/27

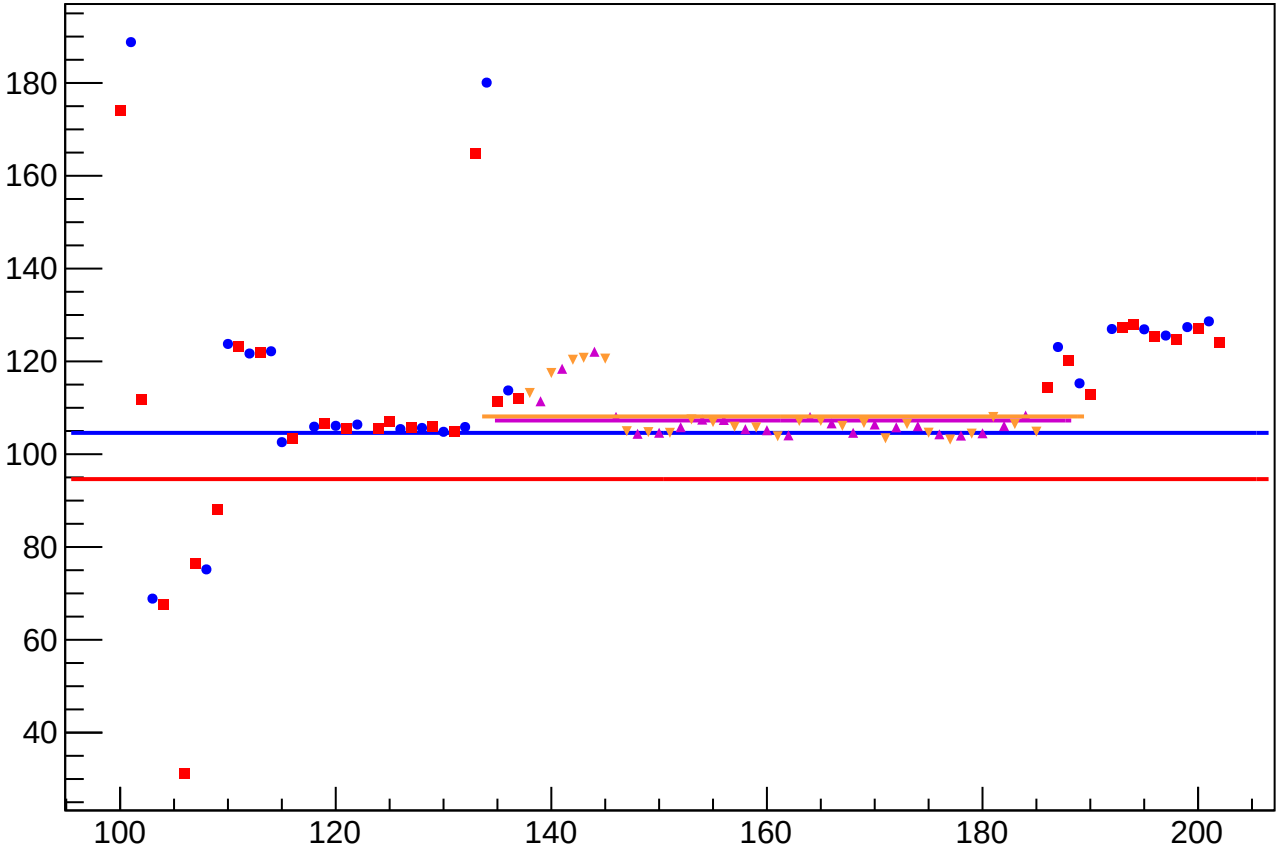
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -59.193+/-0.601 χ^2/NDF: 1629.8/47

All: -57.949+/-0.423 χ^2/NDF: 3458.9/98

- sign -56.719+/-0.597 χ^2/NDF: 1820.6/50

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 104.596+/-0.058 χ^2/NDF: 267849.8/22

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

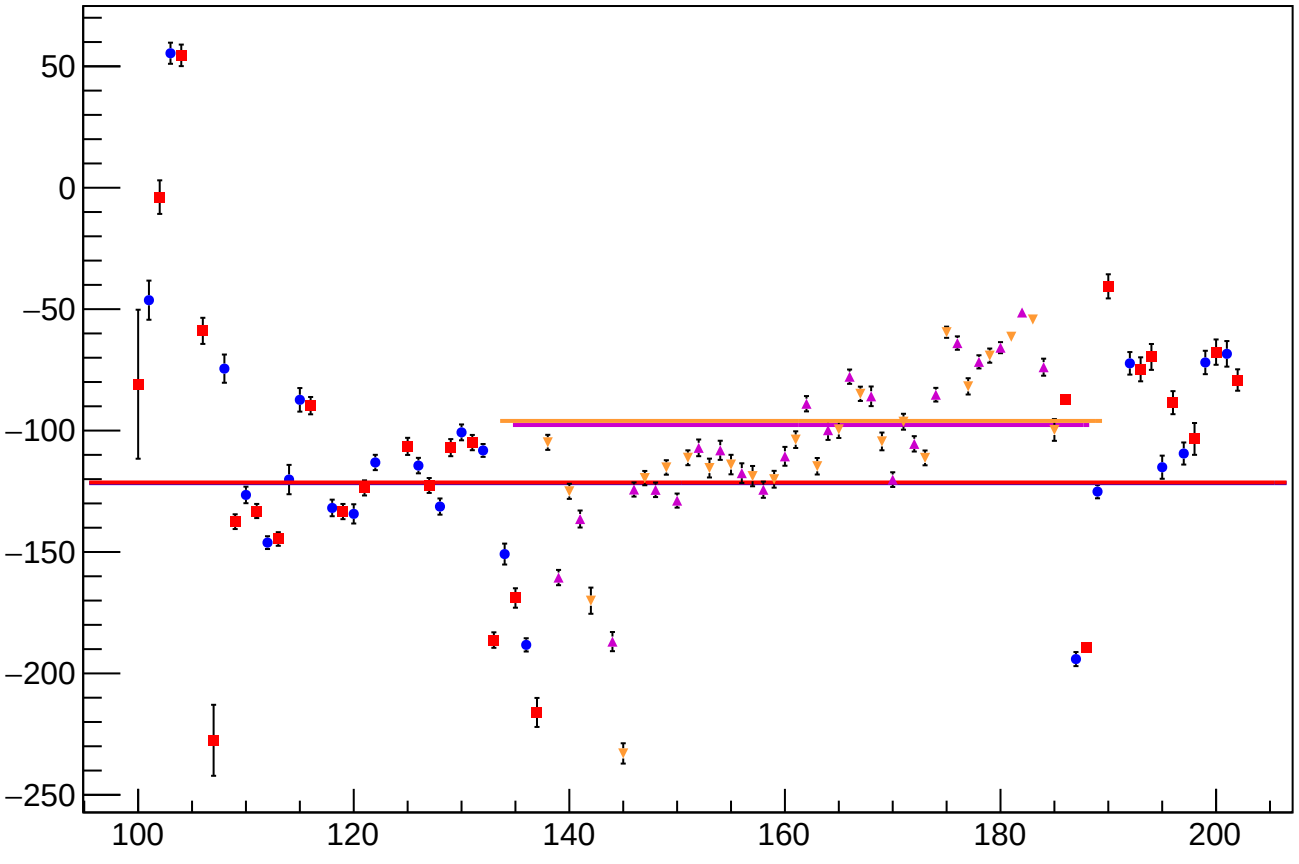
Right Out: 94.632+/-0.052 χ^2/NDF: 378410.2/27

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

\+ sign 107.288+/-0.028 χ^2/NDF: 297119.0/47

All: 105.454+/-0.020 χ^2/NDF: 742612.6/98

\- sign 103.685+/-0.028 χ^2/NDF: 437244.2/50



Right In: -121.644+/-0.761 χ^2/NDF: 3650.1/22

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

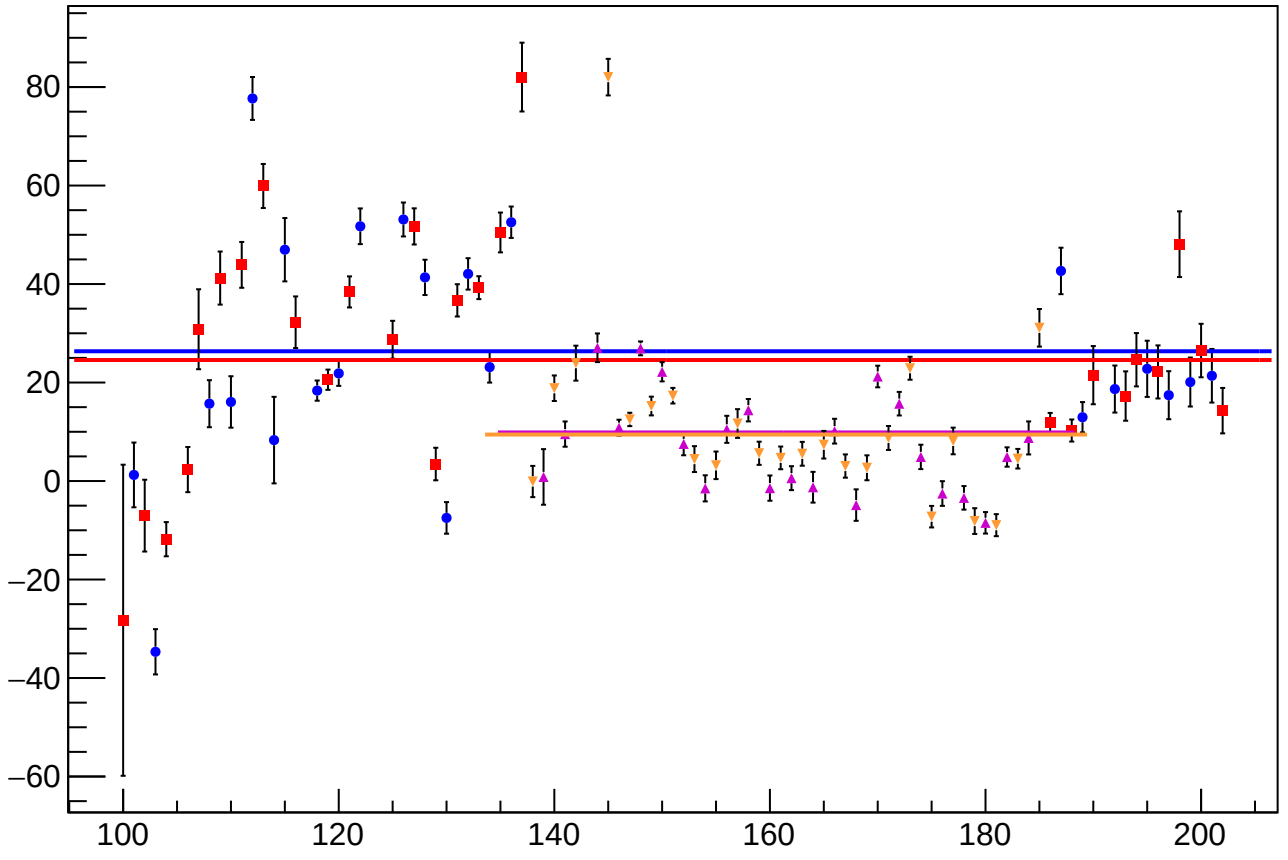
Right Out: -121.376+/-0.656 χ^2/NDF: 5991.1/26

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -106.542+/-0.487 χ^2/NDF: 7089.4/46

All: -107.965+/-0.334 χ^2/NDF: 16405.1/96

- sign -109.219+/-0.458 χ^2/NDF: 9299.7/49



Right In: 26.351+/-0.788 χ^2/NDF: 742.2/22

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

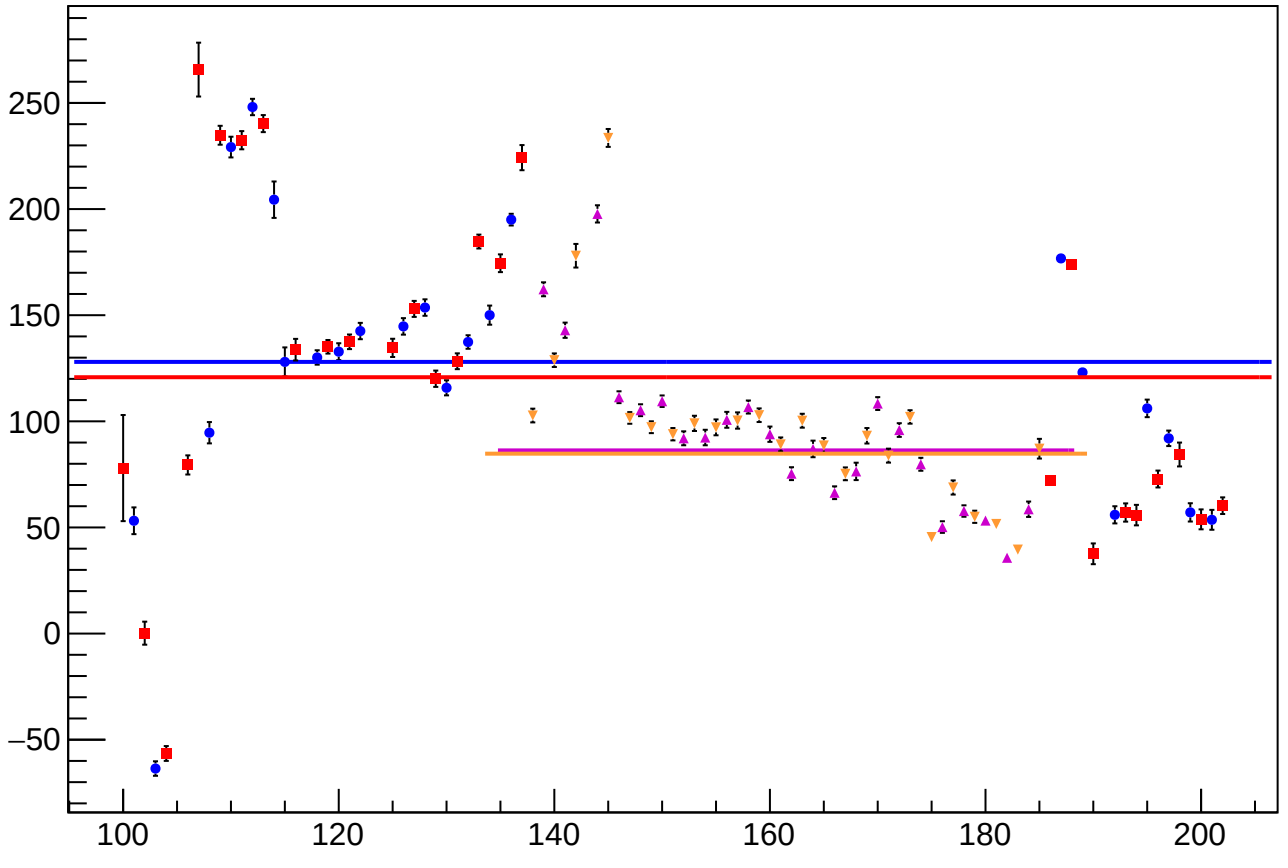
Right Out: 24.573+/-0.717 χ^2/NDF: 629.2/26

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.985+/-0.409 χ^2/NDF: 1815.2/46

All: 14.247+/-0.287 χ^2/NDF: 3218.7/96

- sign 14.502+/-0.403 χ^2/NDF: 1402.7/49



Right In: 127.998+/-0.778 χ^2/NDF: 6916.0/22

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

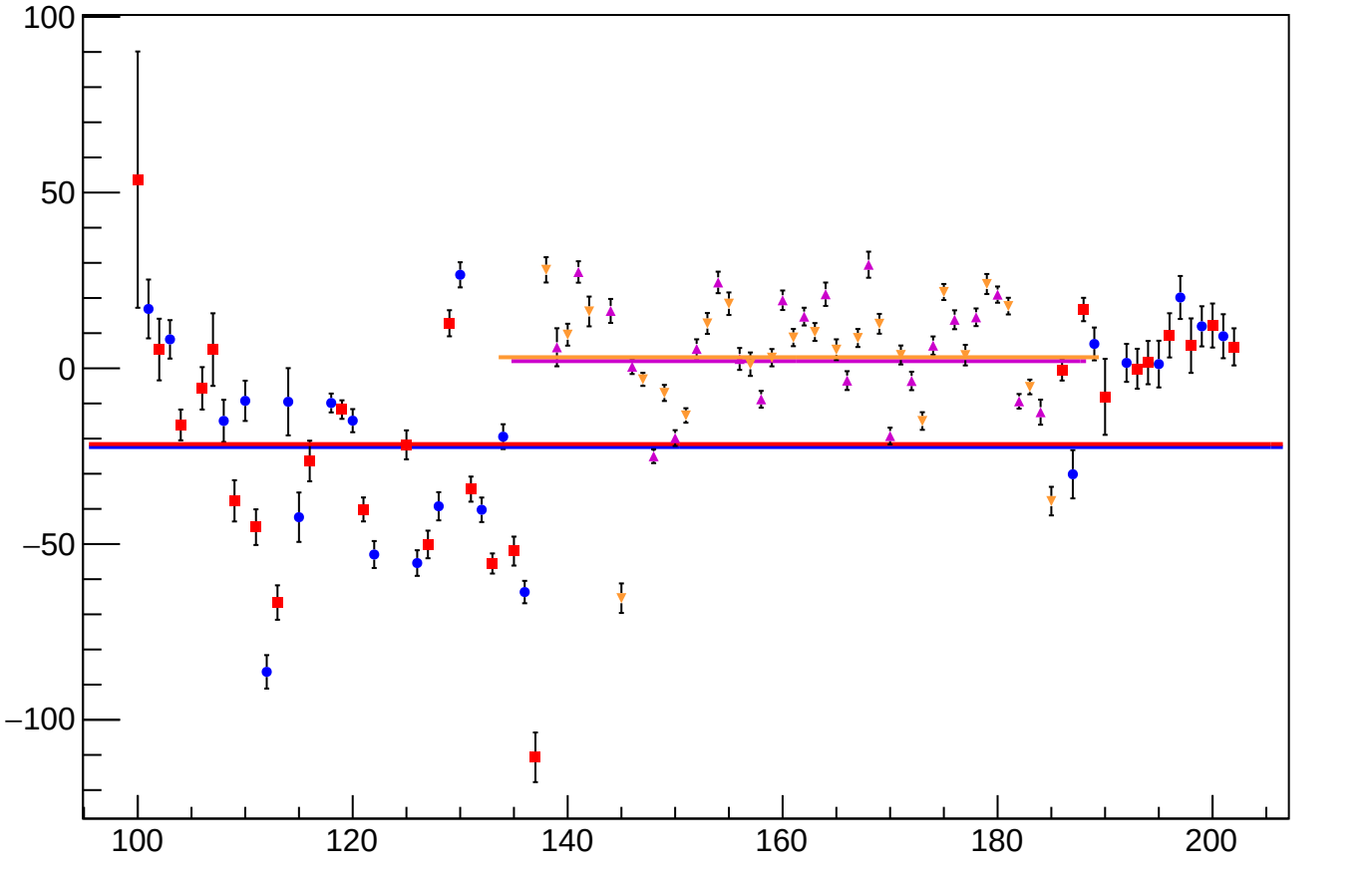
Right Out: 120.776+/-0.632 χ^2/NDF: 10794.1/26

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 101.867+/-0.489 χ^2/NDF: 11895.4/46

All: 102.774+/-0.330 χ^2/NDF: 27336.7/96

\- sign 103.531+/-0.447 χ^2/NDF: 15435.0/49



Right In: -22.396+/-0.927 χ^2/NDF: 1006.0/22

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

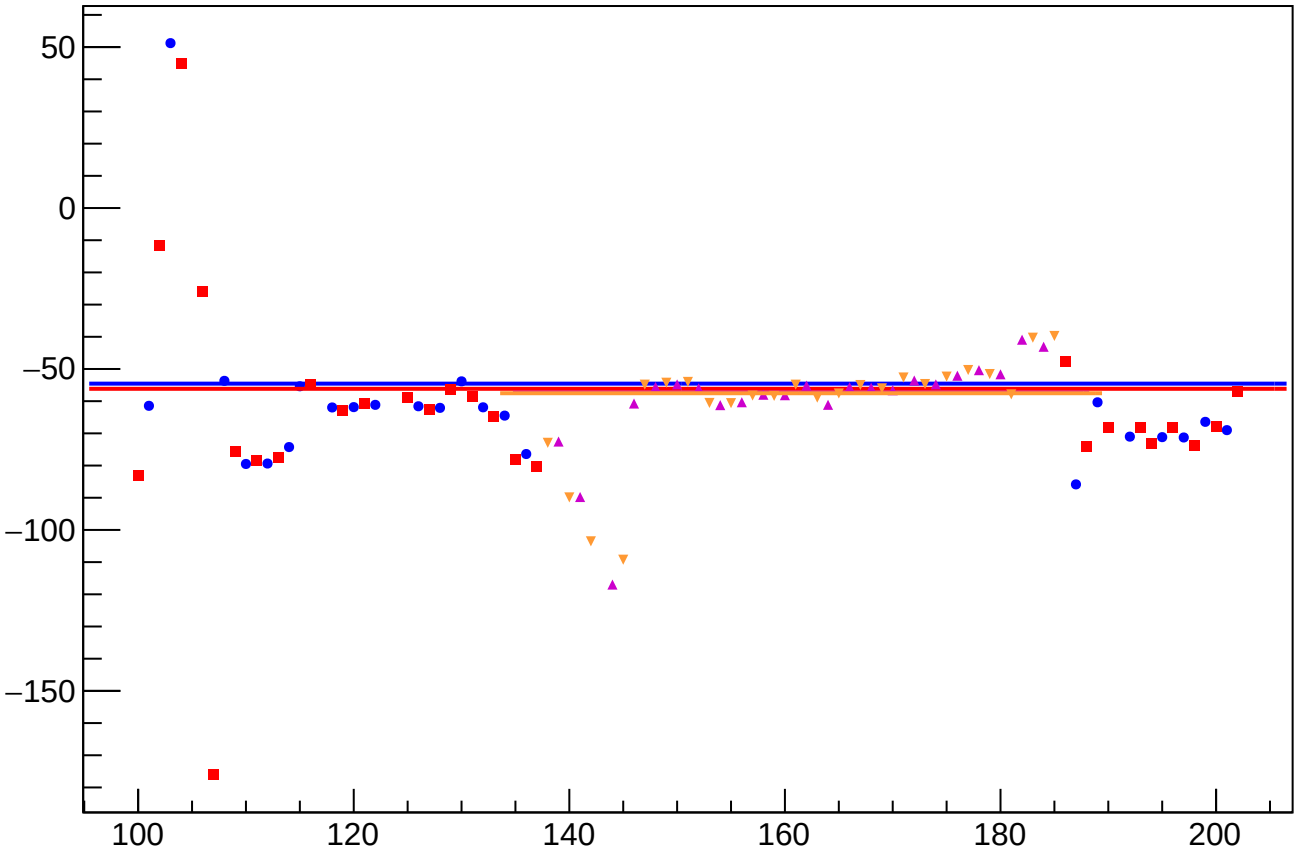
Right Out: -21.564+/-0.871 χ^2/NDF: 999.6/26

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.390+/-0.469 χ^2/NDF: 2385.1/46

All: -4.051+/-0.330 χ^2/NDF: 4764.7/96

\- sign -4.703+/-0.466 χ^2/NDF: 2375.6/49



Right In: -54.553+/-0.047 χ^2/NDF: 641753.8/22

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

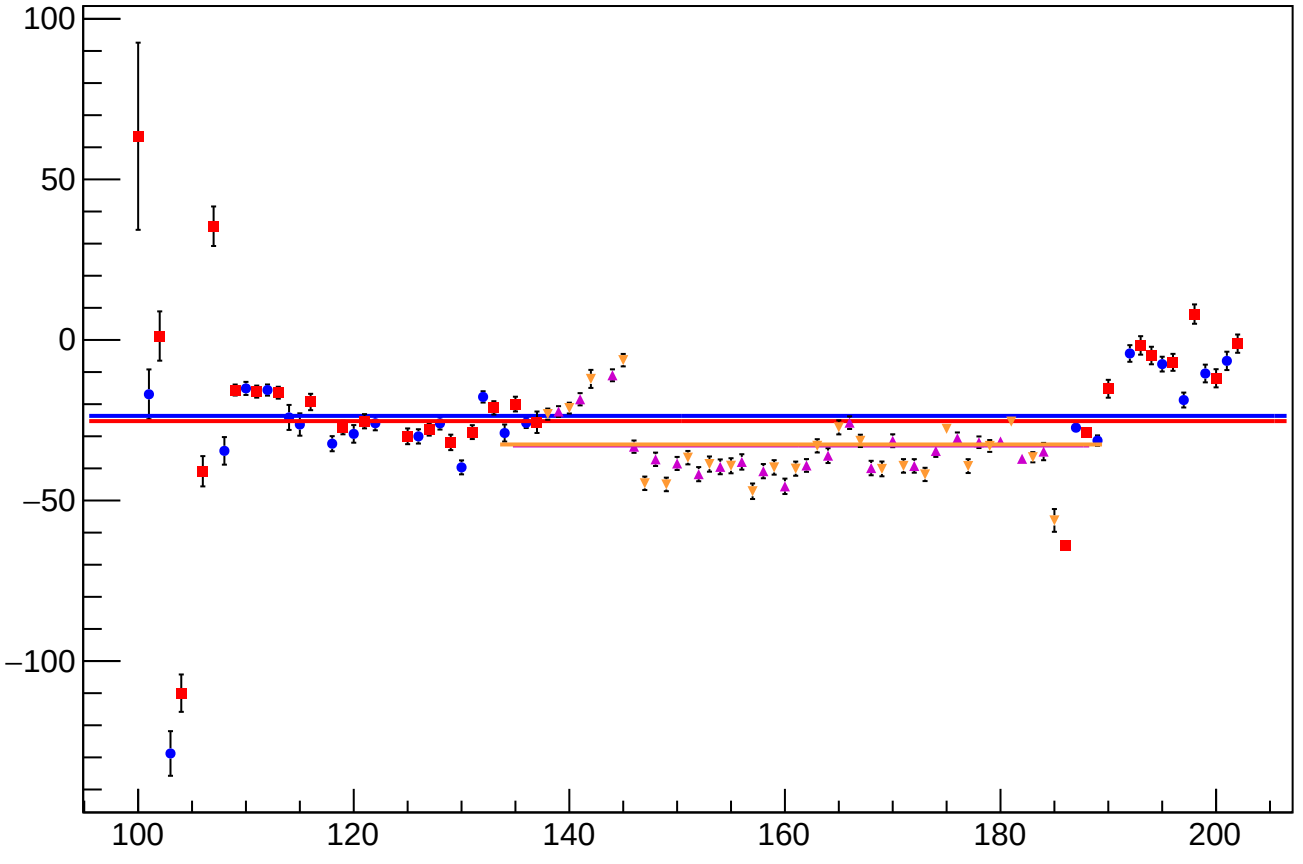
Right Out: -56.155+/-0.044 χ^2/NDF: 560904.4/26

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -56.878+/-0.022 χ^2/NDF: 911962.0/46

All: -56.984+/-0.015 χ^2/NDF: 1700626.2/96

- sign -57.088+/-0.022 χ^2/NDF: 788617.7/49



Right In: -23.645+/-0.471 χ^2/NDF: 573.0/22

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

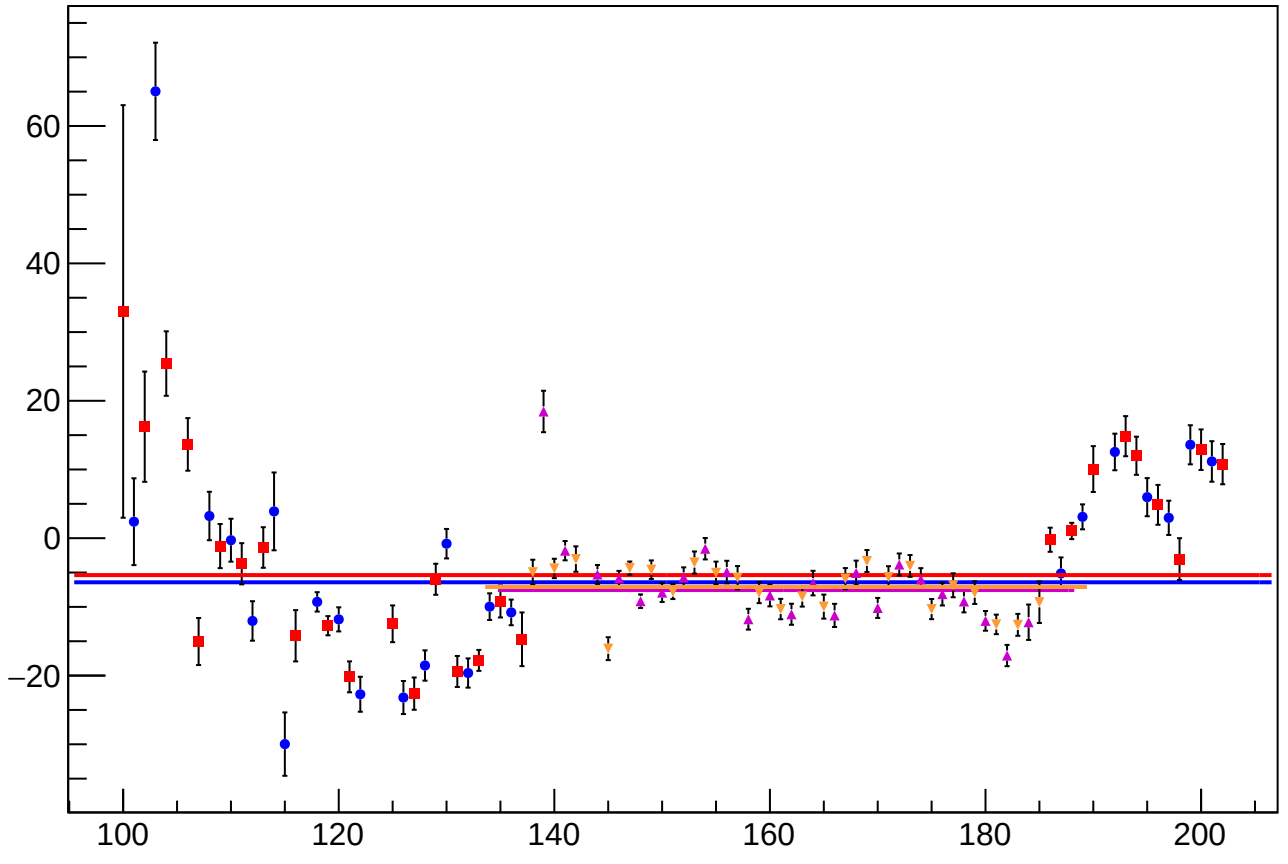
Right Out: -25.274+/-0.418 χ^2/NDF: 1615.6/26

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

\+ sign -28.744+/-0.308 χ^2/NDF: 1381.6/46

All: -28.946+/-0.212 χ^2/NDF: 3539.0/96

\- sign -29.128+/-0.293 χ^2/NDF: 2156.6/49



Right In: -6.420+/-0.504 χ^2/NDF: 533.5/22

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

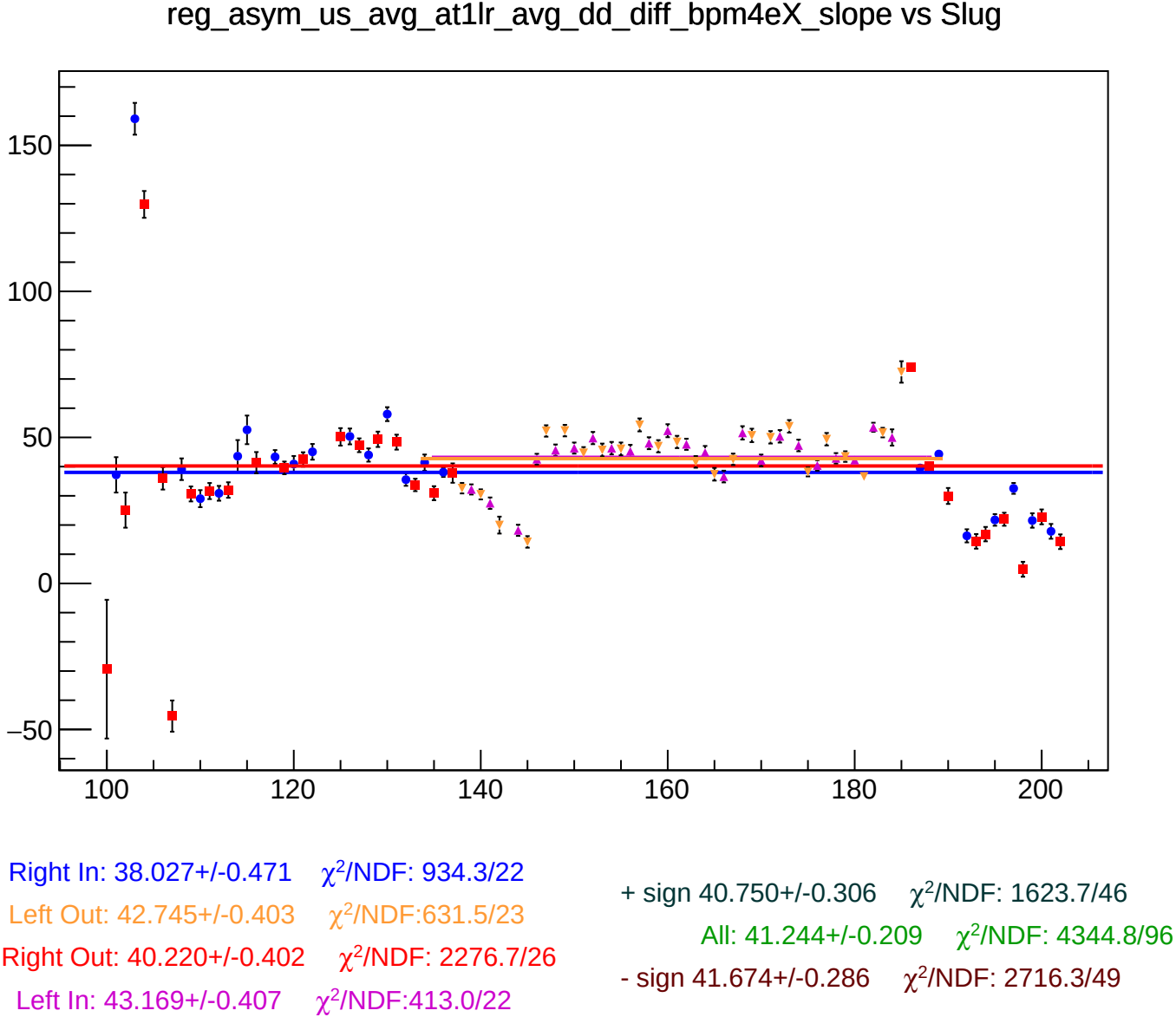
Right Out: -5.371+/-0.469 χ^2/NDF: 567.8/26

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -6.921+/-0.264 χ^2/NDF: 644.3/46

All: -6.895+/-0.186 χ^2/NDF: 1426.7/96

- sign -6.870+/-0.262 χ^2/NDF: 782.4/49



Right In: 38.027+/-0.471 χ^2/NDF: 934.3/22

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

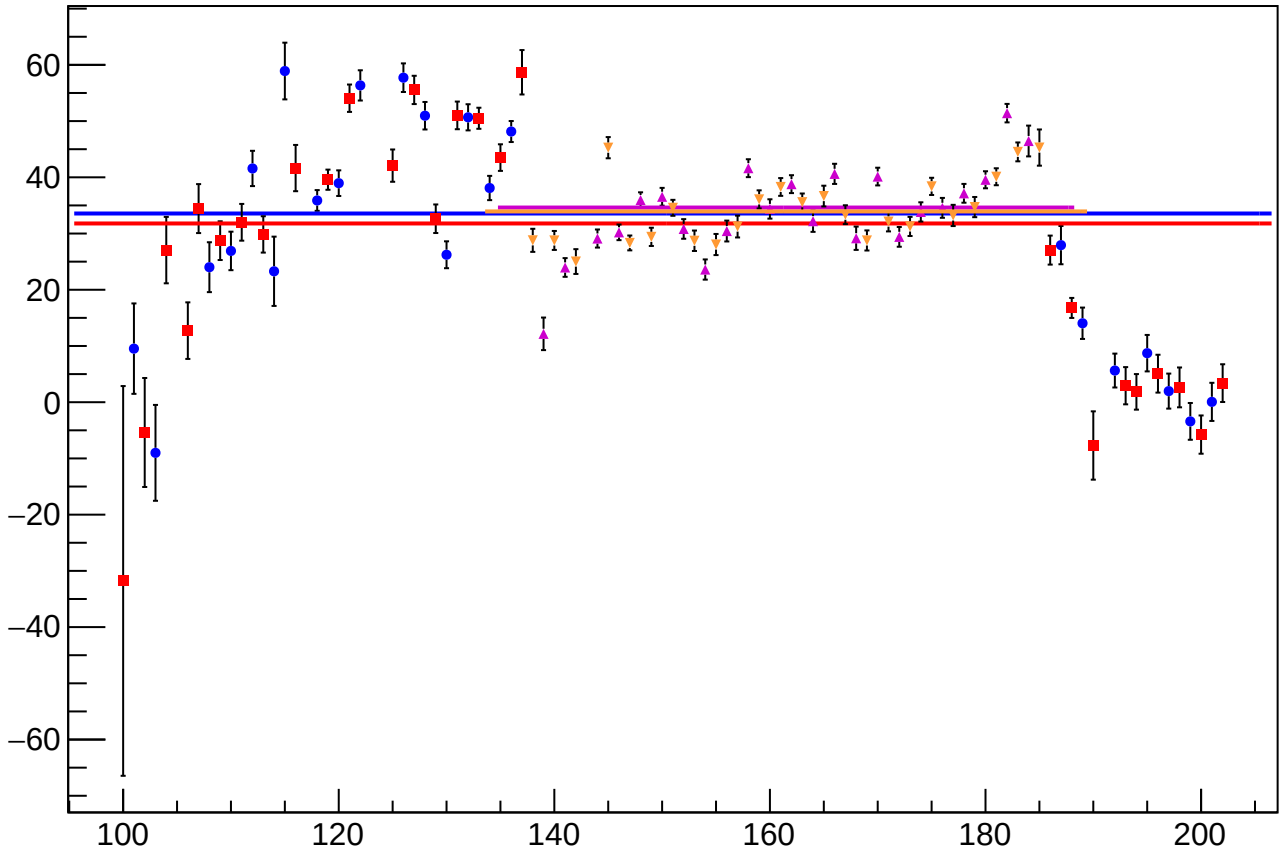
Right Out: 40.220+/-0.402 χ^2/NDF: 2276.7/26

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

\+ sign 40.750+/-0.306 χ^2/NDF: 1623.7/46

All: 41.244+/-0.209 χ^2/NDF: 4344.8/96

\- sign 41.674+/-0.286 χ^2/NDF: 2716.3/49



Right In: 33.563+/-0.593 χ^2/NDF: 949.8/22

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

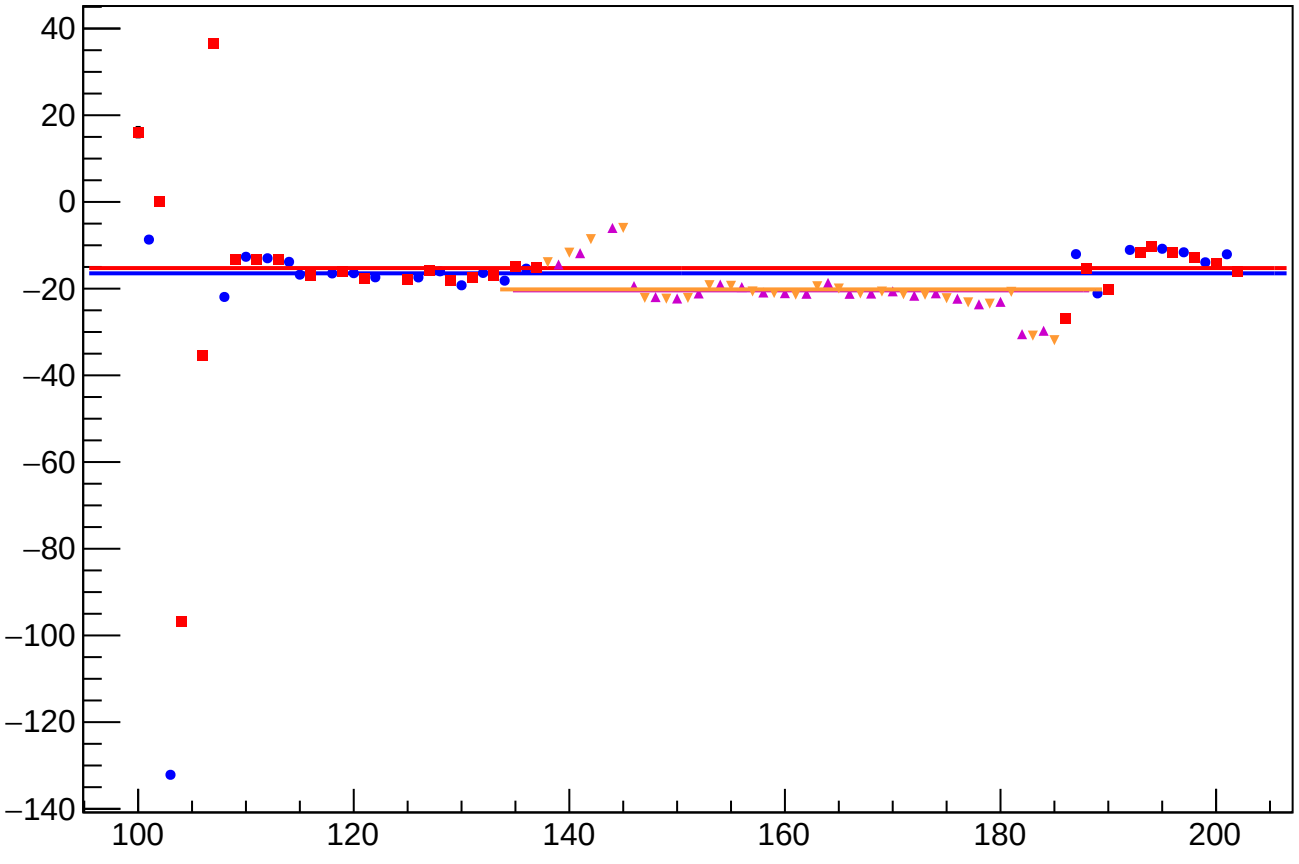
Right Out: 31.791+/-0.568 χ^2/NDF: 1083.2/26

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

\+ sign 33.835+/-0.302 χ^2/NDF: 1166.6/46

All: 33.830+/-0.213 χ^2/NDF: 2643.6/96

\- sign 33.824+/-0.302 χ^2/NDF: 1477.1/49



Right In: -16.467+/-0.029 χ^2/NDF: 267694.7/22

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.256+/-0.028 χ^2/NDF: 217352.2/26

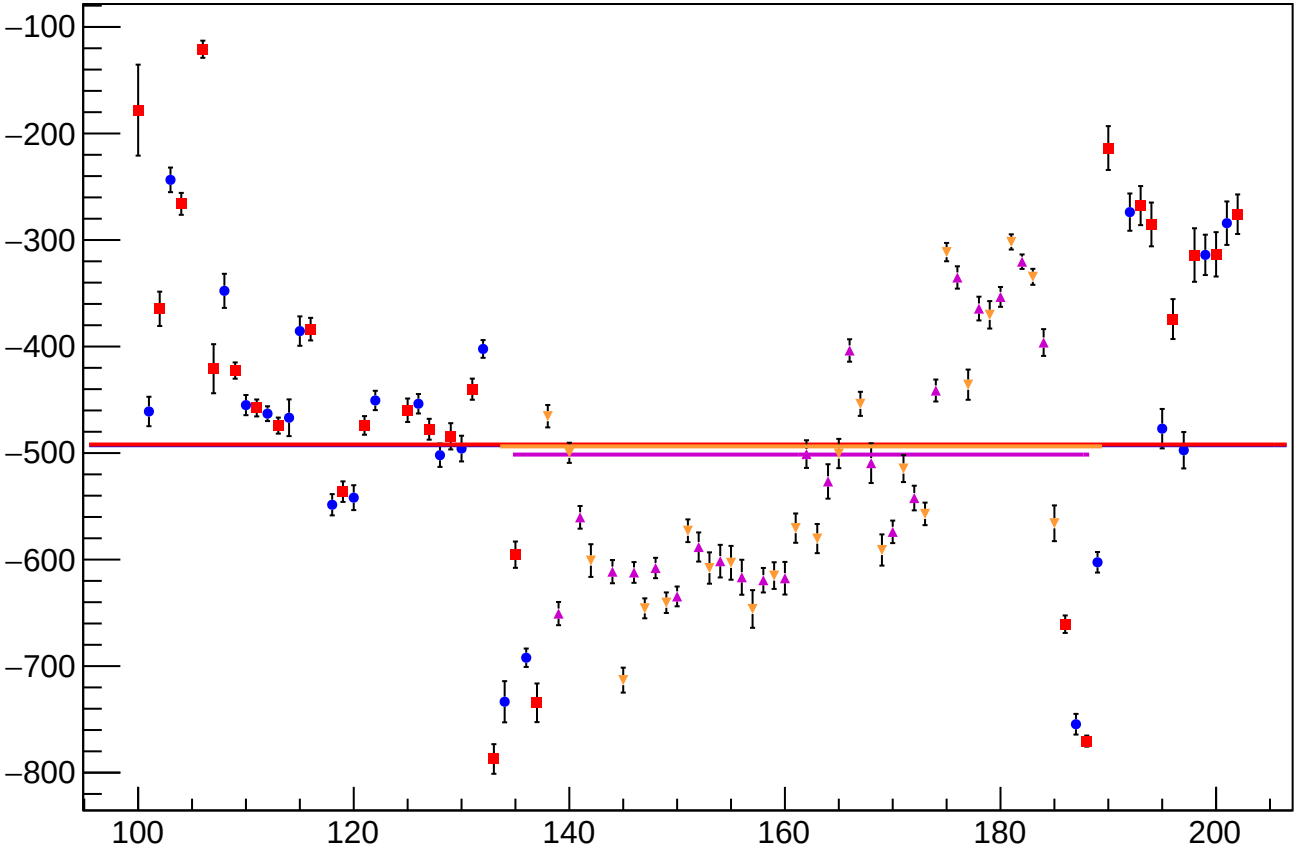
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.333+/-0.014 χ^2/NDF: 380165.0/46

All: -19.240+/-0.010 χ^2/NDF: 704523.6/96

- sign -19.148+/-0.014 χ^2/NDF: 324268.2/49

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -492.625+/-2.355 χ^2/NDF: 2753.0/22

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

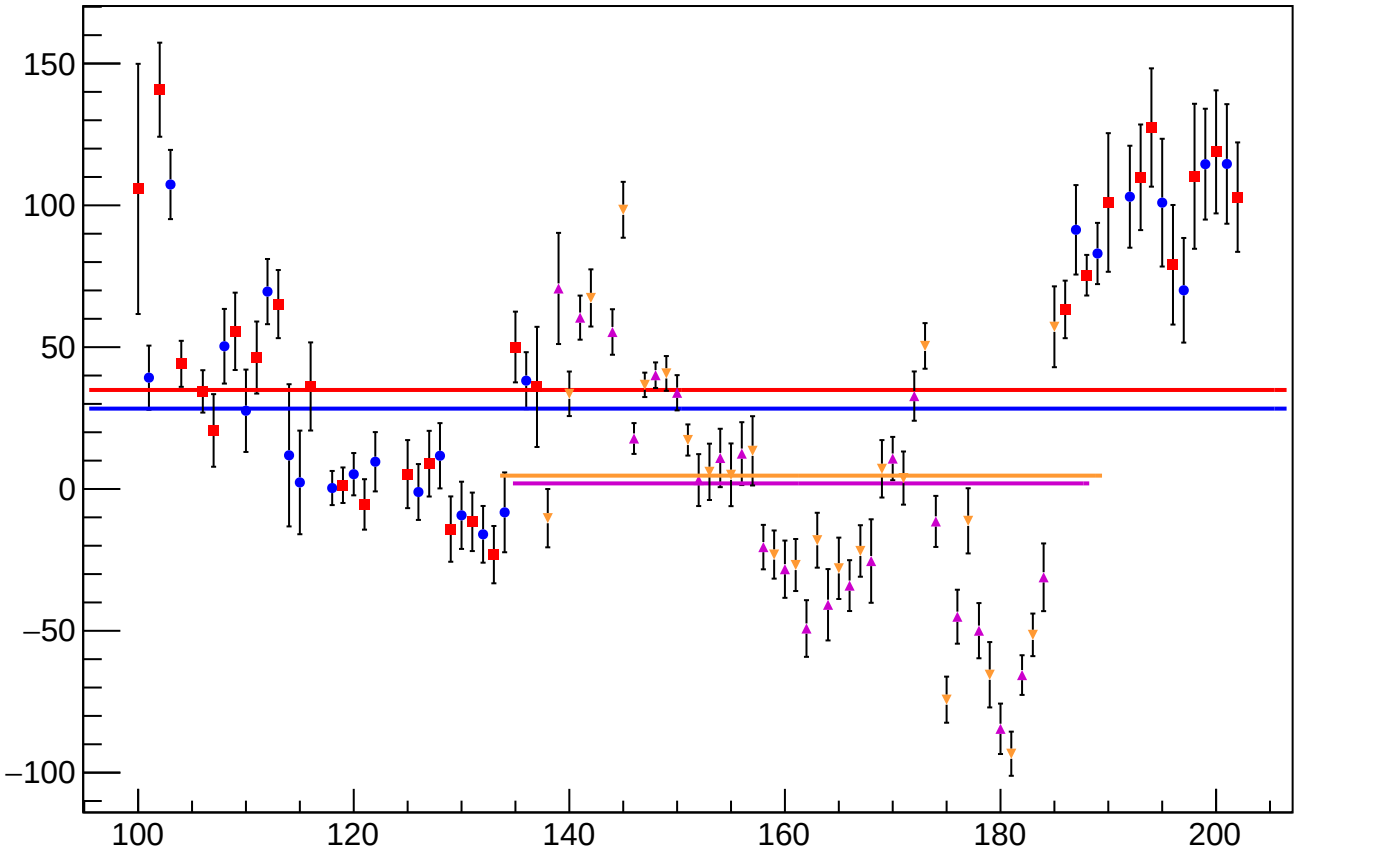
Right Out: -491.980+/-2.065 χ^2/NDF: 7769.7/26

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -493.188+/-1.643 χ^2/NDF: 5903.1/46

All: -494.784+/-1.123 χ^2/NDF: 16373.2/96

- sign -496.184+/-1.539 χ^2/NDF: 10468.3/49



Right In: 28.335+/-2.444 χ^2/NDF: 254.6/22

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

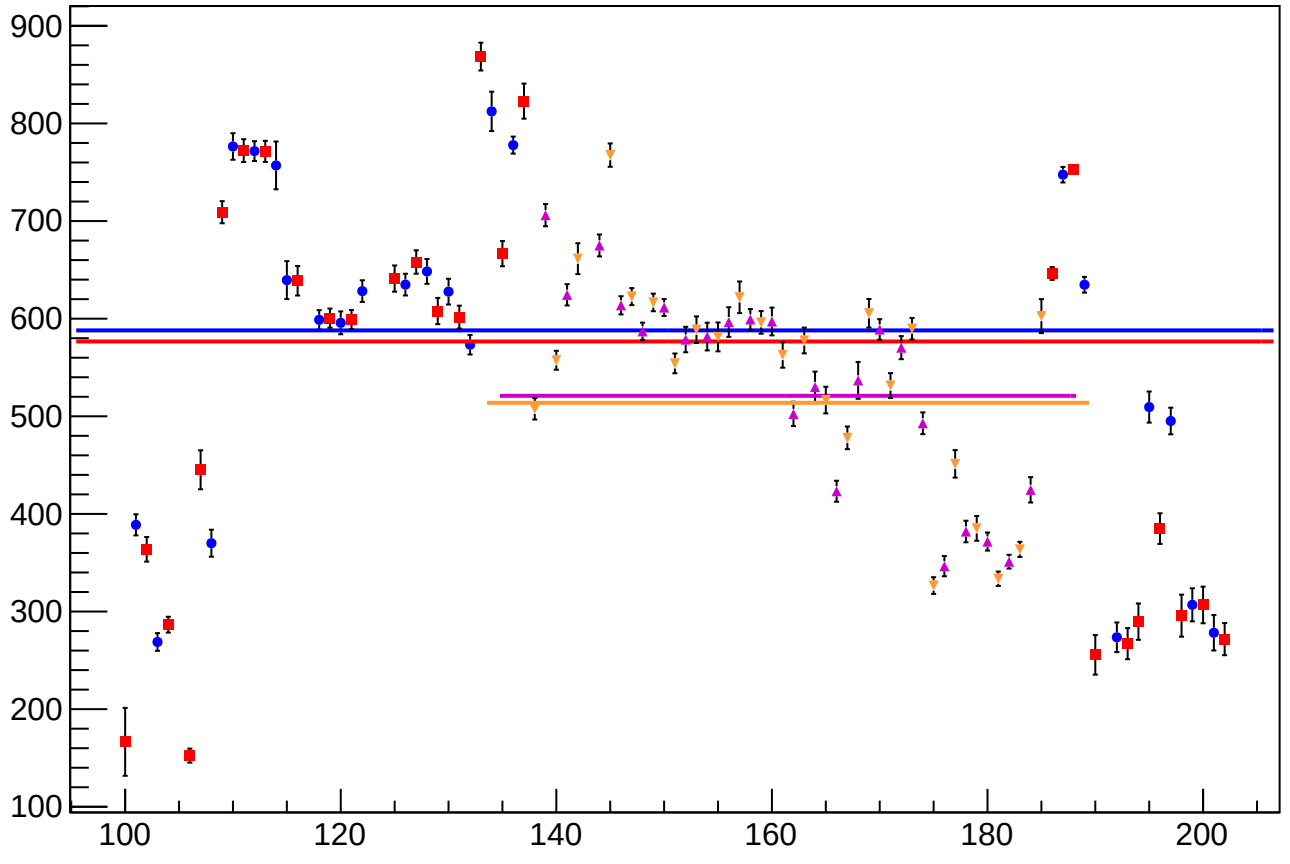
Right Out: 34.911+/-2.243 χ^2/NDF: 312.3/26

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

\+ sign 12.386+/-1.393 χ^2/NDF: 998.0/46

All: 13.301+/-0.975 χ^2/NDF: 2007.6/96

\- sign 14.181+/-1.366 χ^2/NDF: 1008.8/49



Right In: 587.999+/-2.441 χ^2/NDF: 4564.9/22

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

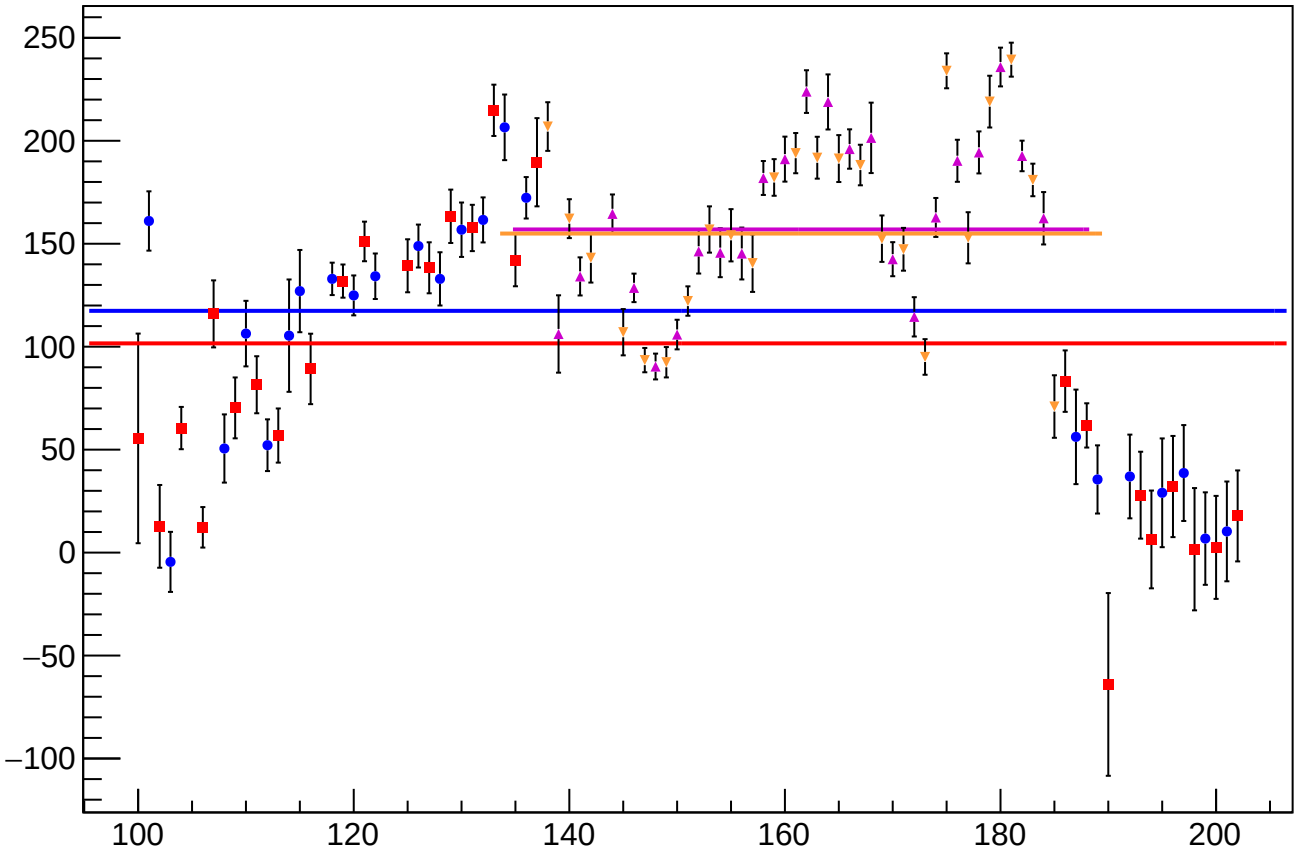
Right Out: 576.643+/-2.058 χ^2/NDF: 10401.6/26

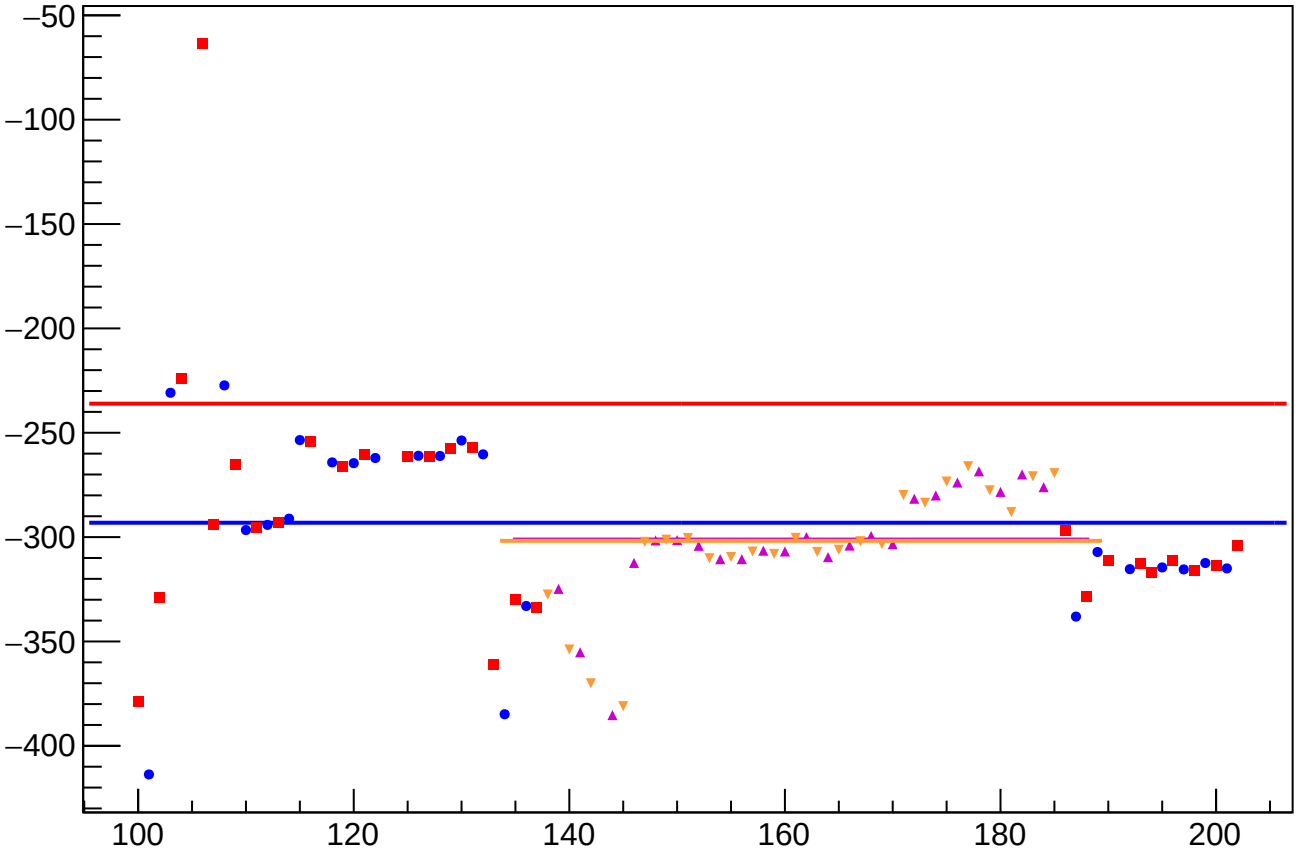
Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 548.333+/-1.665 χ^2/NDF: 7794.0/46

All: 550.159+/-1.126 χ^2/NDF: 20968.4/96

- sign 551.697+/-1.529 χ^2/NDF: 13172.2/49


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 117.409+/-2.883 χ²/NDF: 340.5/22
Left Out: 154.944+/-1.953 χ²/NDF:609.0/23
Right Out: 101.608+/-2.701 χ²/NDF: 460.3/26
Left In: 156.934+/-1.971 χ²/NDF:443.2/22
+ sign 143.138+/-1.617 χ²/NDF: 1065.7/46
All: 140.384+/-1.135 χ²/NDF: 2248.6/96
- sign 137.712+/-1.592 χ²/NDF: 1177.2/49



Right In: -293.116+/-0.151 χ^2/NDF: 112726.8/22

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -236.065+/-0.128 χ^2/NDF: 673070.7/26

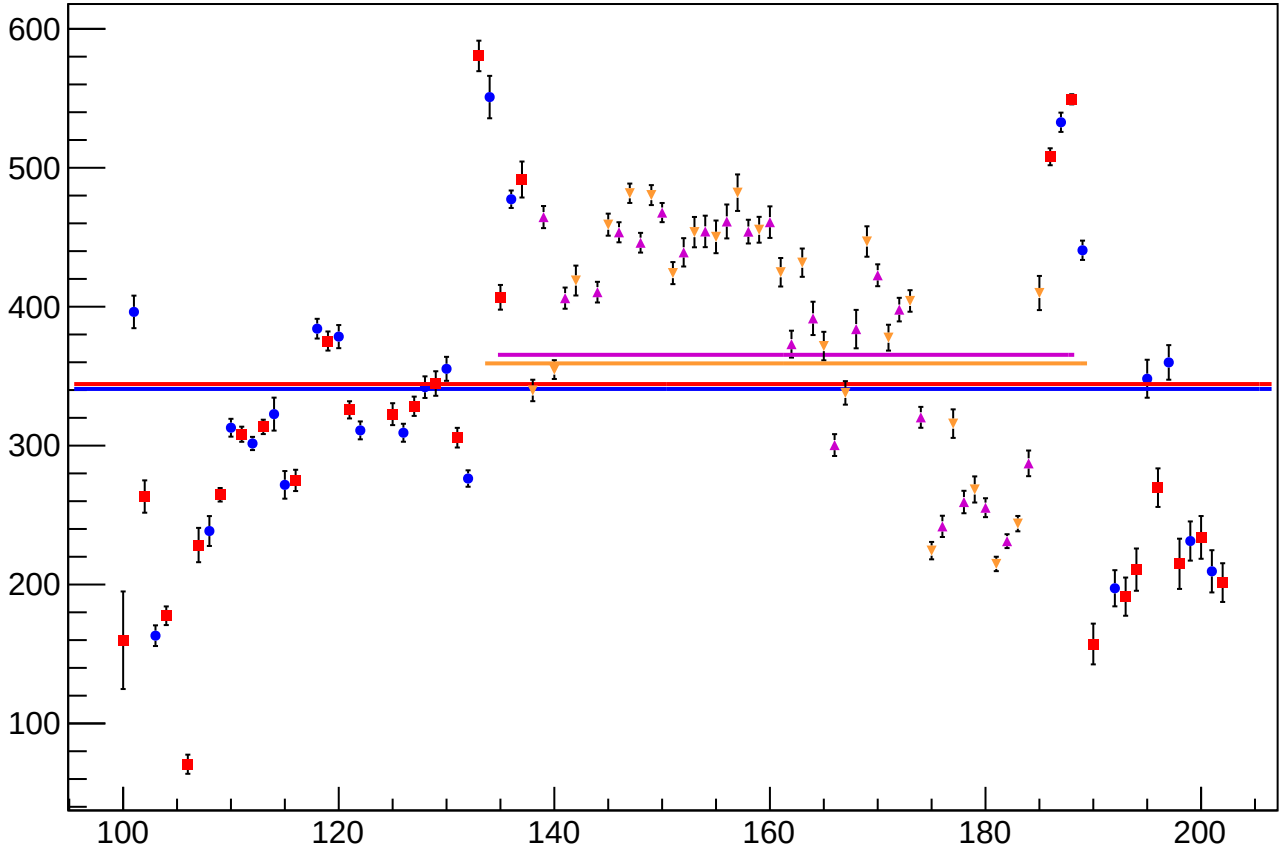
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.477+/-0.078 χ^2/NDF: 201874.3/46

All: -288.950+/-0.053 χ^2/NDF: 1158877.3/96

- sign -279.533+/-0.074 χ^2/NDF: 922288.4/49

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 340.798+/-1.670 χ^2/NDF: 2936.5/22

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

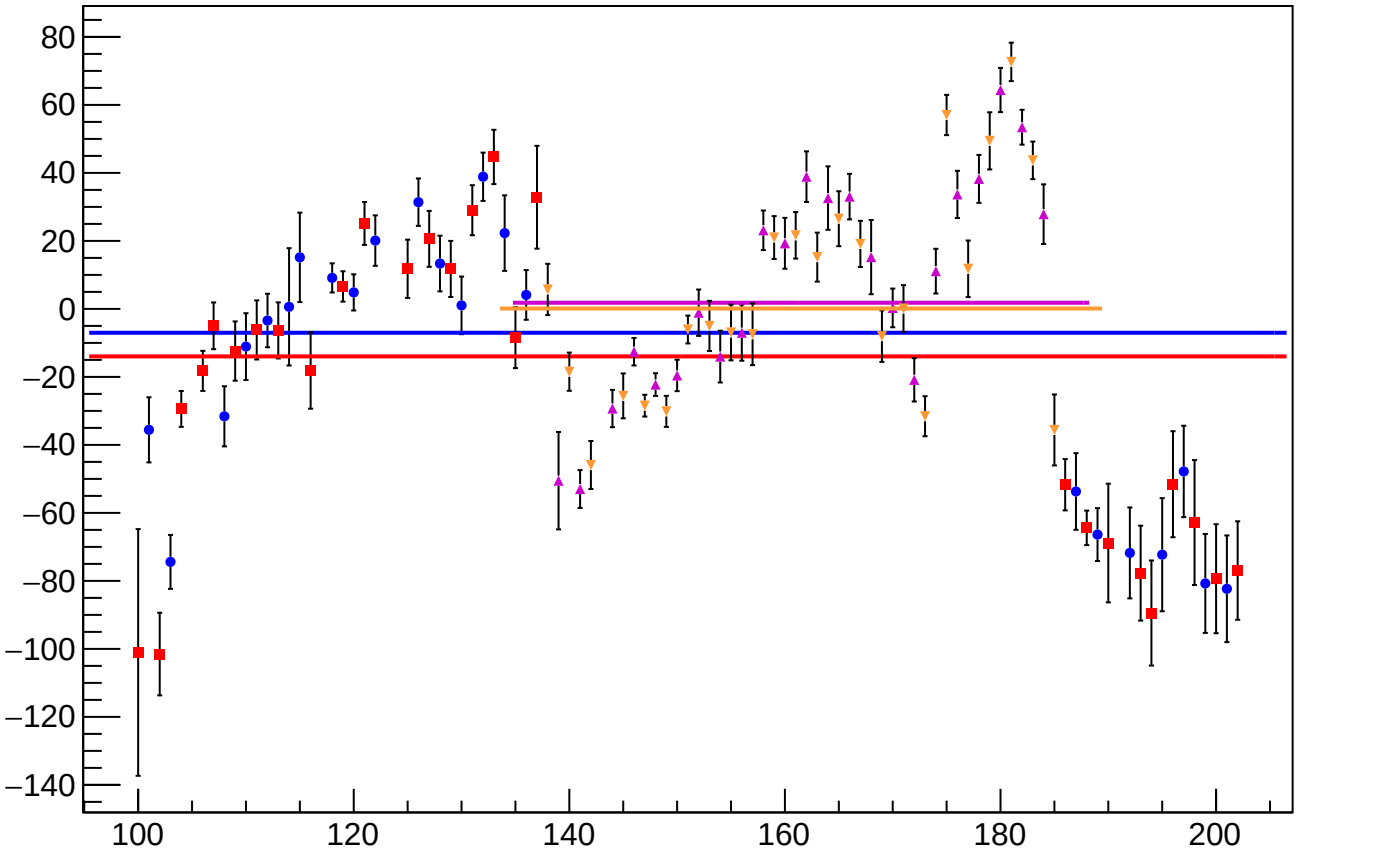
Right Out: 344.314+/-1.465 χ^2/NDF: 7977.3/26

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 349.931+/-1.185 χ^2/NDF: 6184.7/46

All: 351.743+/-0.809 χ^2/NDF: 16994.2/96

- sign 353.327+/-1.107 χ^2/NDF: 10805.2/49



Right In: -7.017+/-1.748 χ^2/NDF: 385.3/22

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

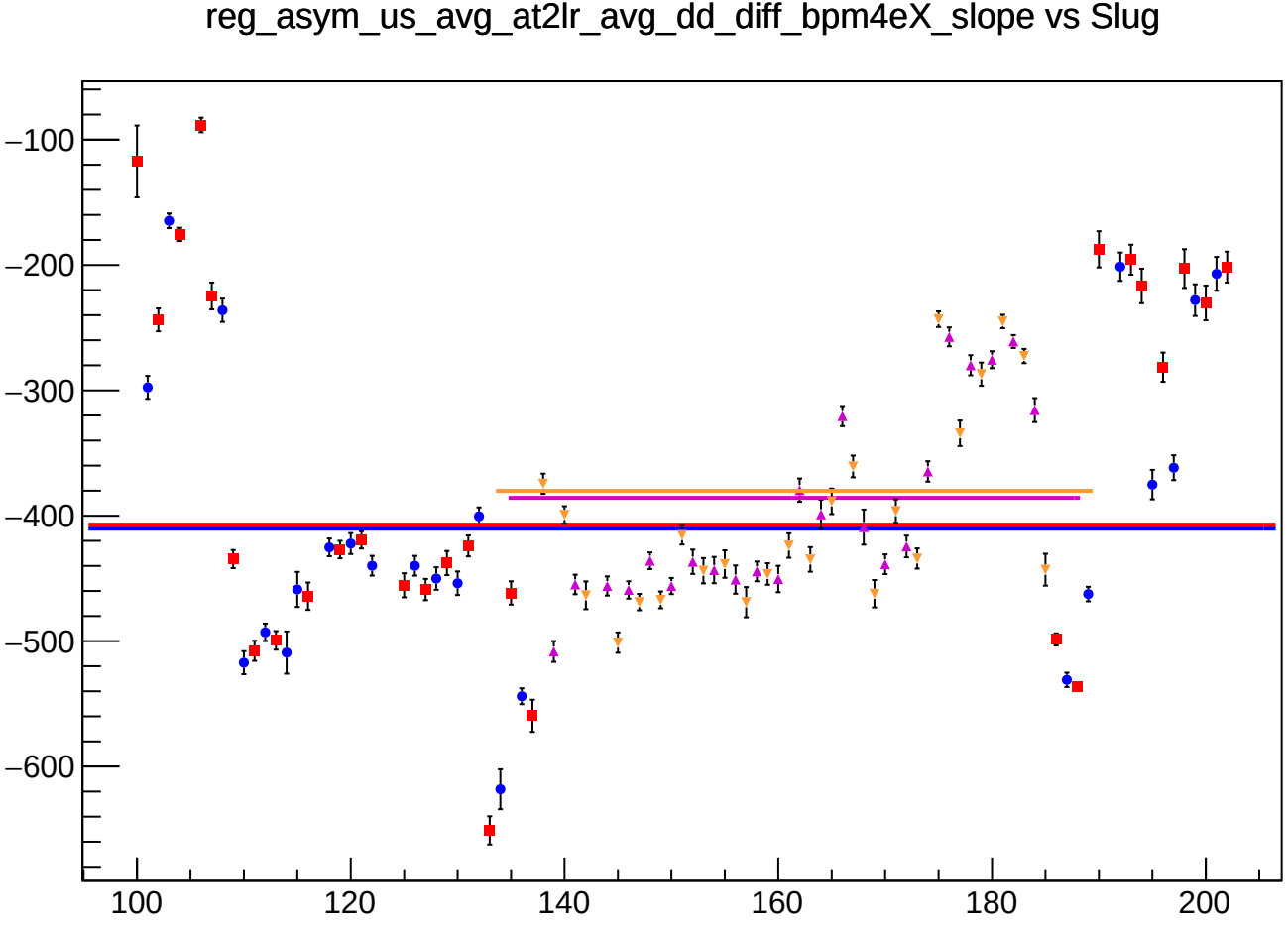
Right Out: -13.973+/-1.588 χ^2/NDF: 491.4/26

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -2.290+/-1.015 χ^2/NDF: 1034.2/46

All: -3.333+/-0.709 χ^2/NDF: 2165.0/96

\- sign -4.326+/-0.990 χ^2/NDF: 1128.8/49



Right In: -410.279+/-1.741 χ^2/NDF: 4620.5/22

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

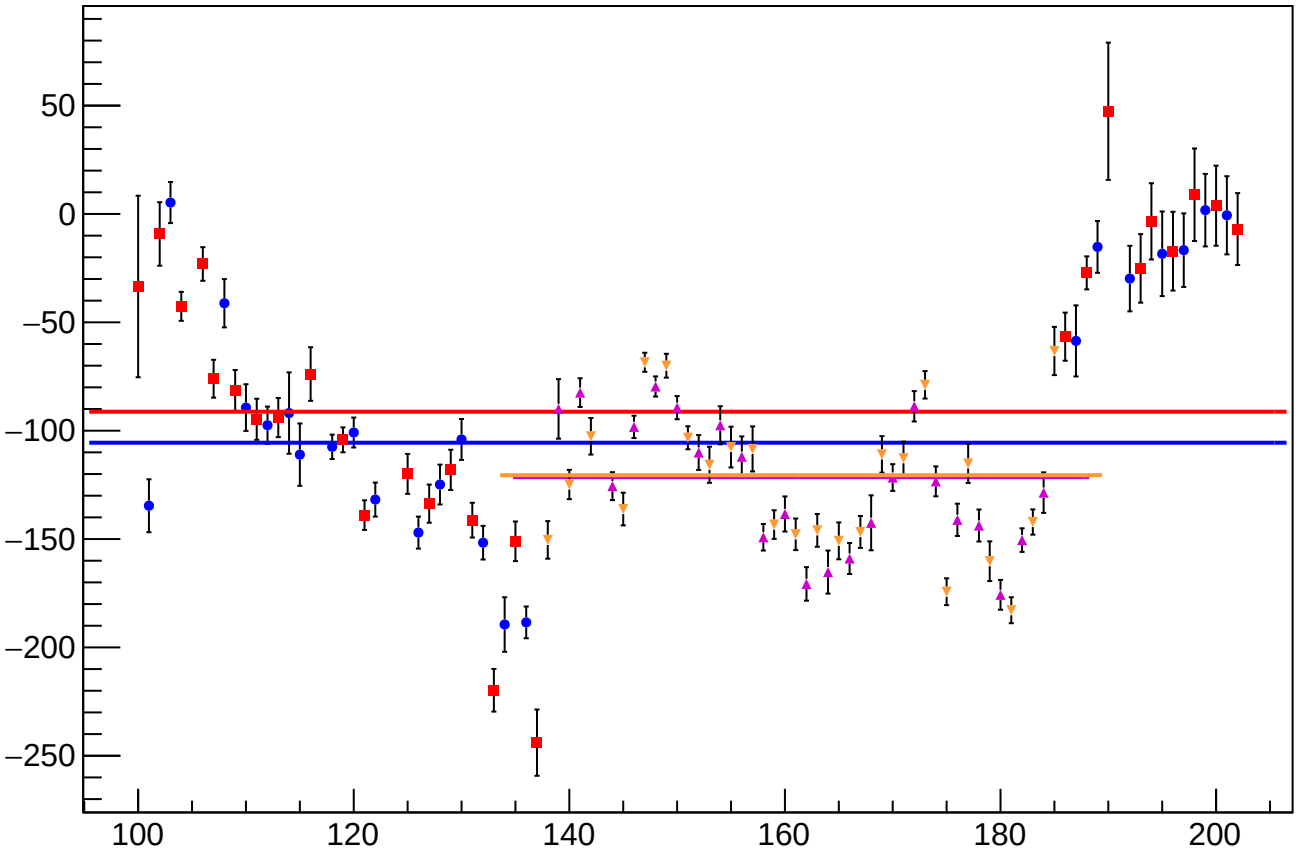
Right Out: -407.095+/-1.468 χ^2/NDF: 10472.5/26

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -394.584+/-1.205 χ^2/NDF: 7395.2/46

All: -396.344+/-0.814 χ^2/NDF: 20324.7/96

- sign -397.823+/-1.105 χ^2/NDF: 12925.7/49



Right In: -105.549+/-2.061 χ^2/NDF: 648.0/22

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

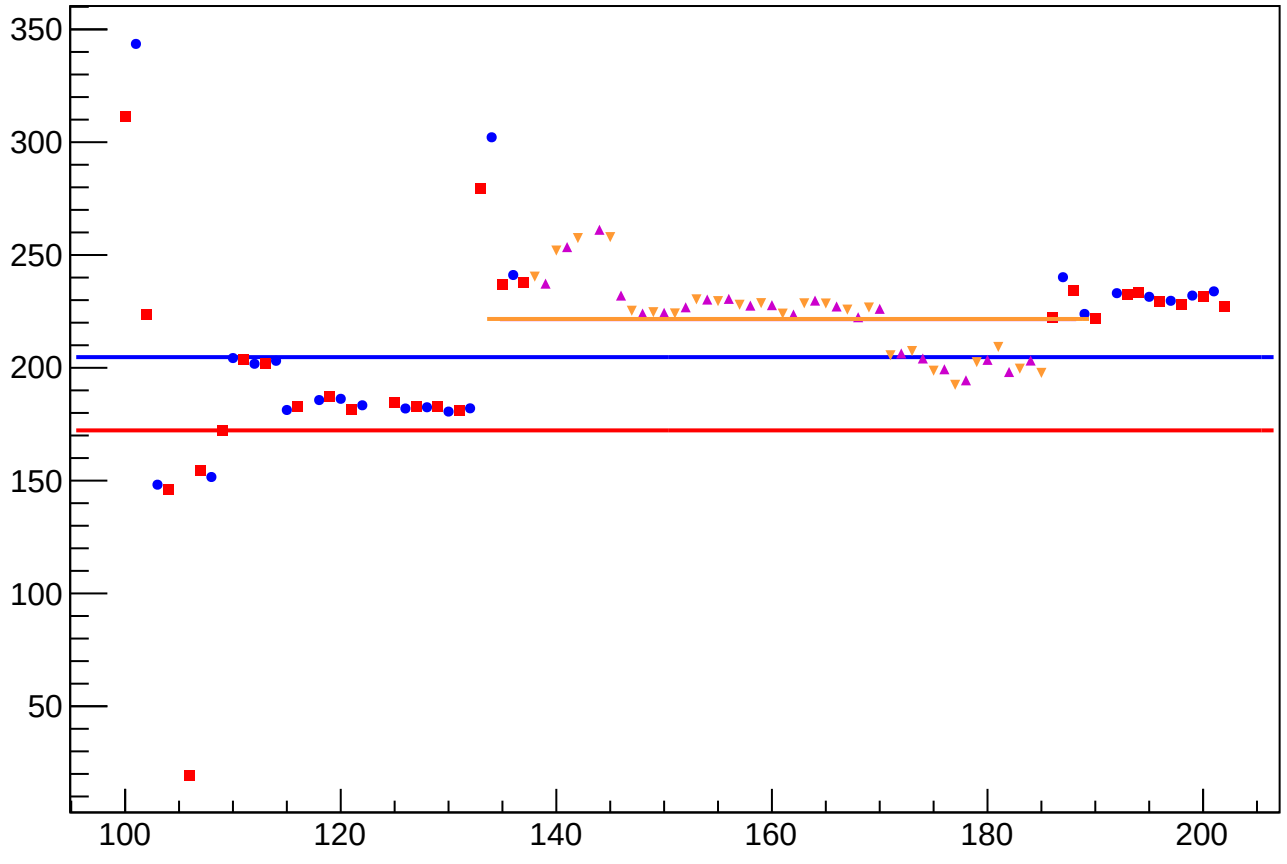
Right Out: -91.239+/-1.910 χ^2/NDF: 849.8/26

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -115.644+/-1.178 χ^2/NDF: 1295.2/46

All: -112.975+/-0.825 χ^2/NDF: 2746.4/96

- sign -110.410+/-1.155 χ^2/NDF: 1441.2/49



Right In: 204.736+/-0.107 χ^2/NDF: 199115.1/22

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

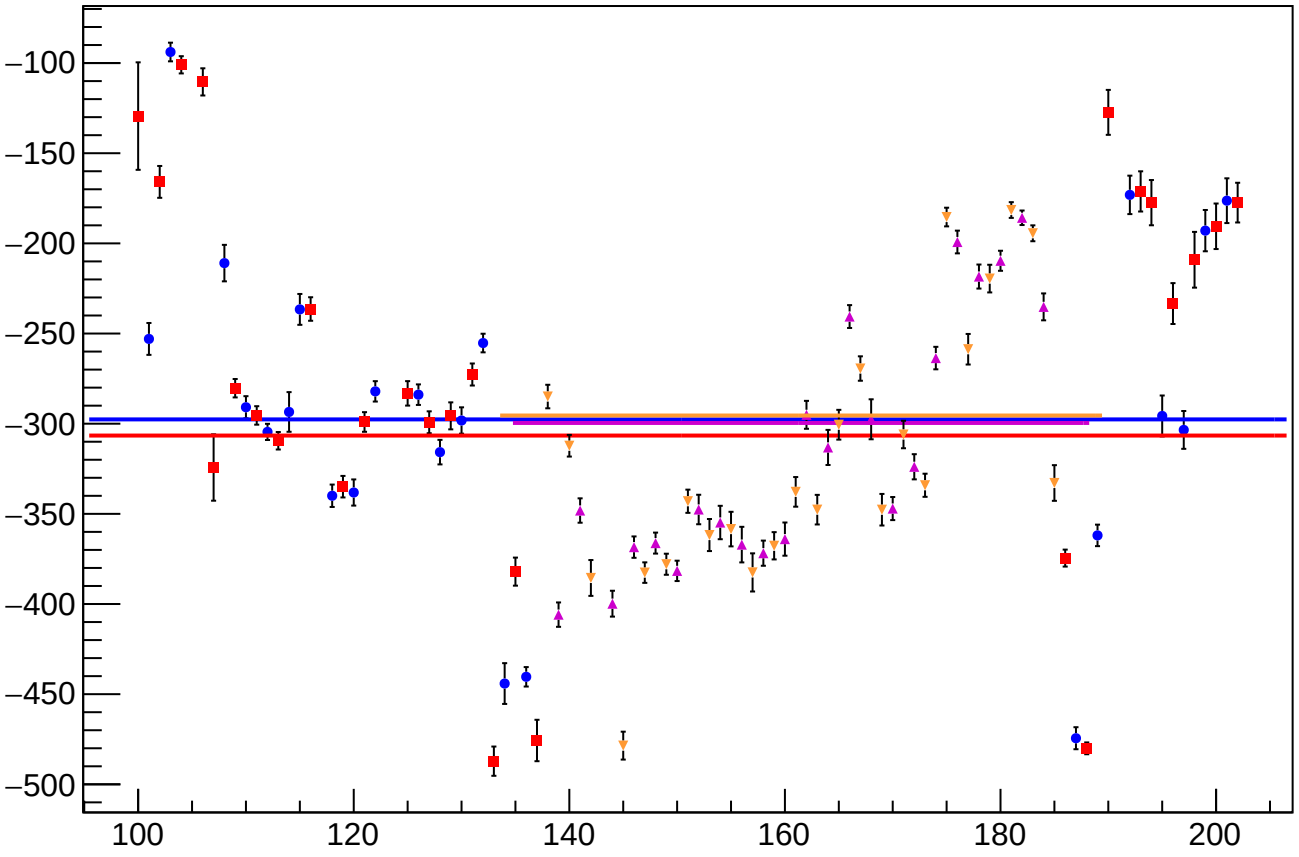
Right Out: 172.265+/-0.094 χ^2/NDF: 639637.6/26

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.934+/-0.057 χ^2/NDF: 284277.5/46

All: 210.853+/-0.039 χ^2/NDF: 1191343.8/96

- sign 205.285+/-0.054 χ^2/NDF: 884969.8/49



Right In: -297.618+/-1.443 χ^2/NDF: 4006.8/22

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -306.576+/-1.290 χ^2/NDF: 7613.2/26

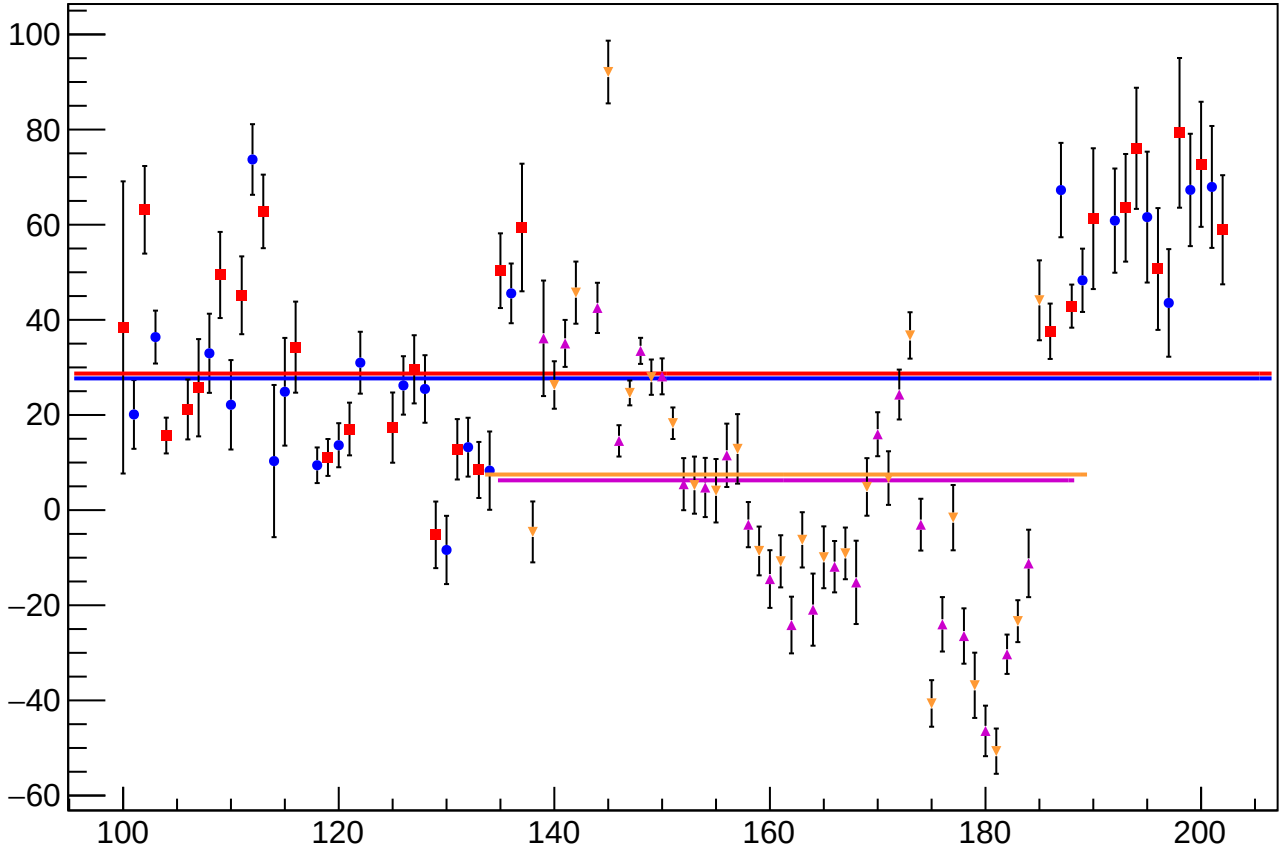
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -296.502+/-1.002 χ^2/NDF: 7354.2/46

All: -300.123+/-0.689 χ^2/NDF: 17977.3/96

- sign -303.359+/-0.948 χ^2/NDF: 10598.4/49

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 27.687+/-1.494 χ^2/NDF: 185.6/22

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

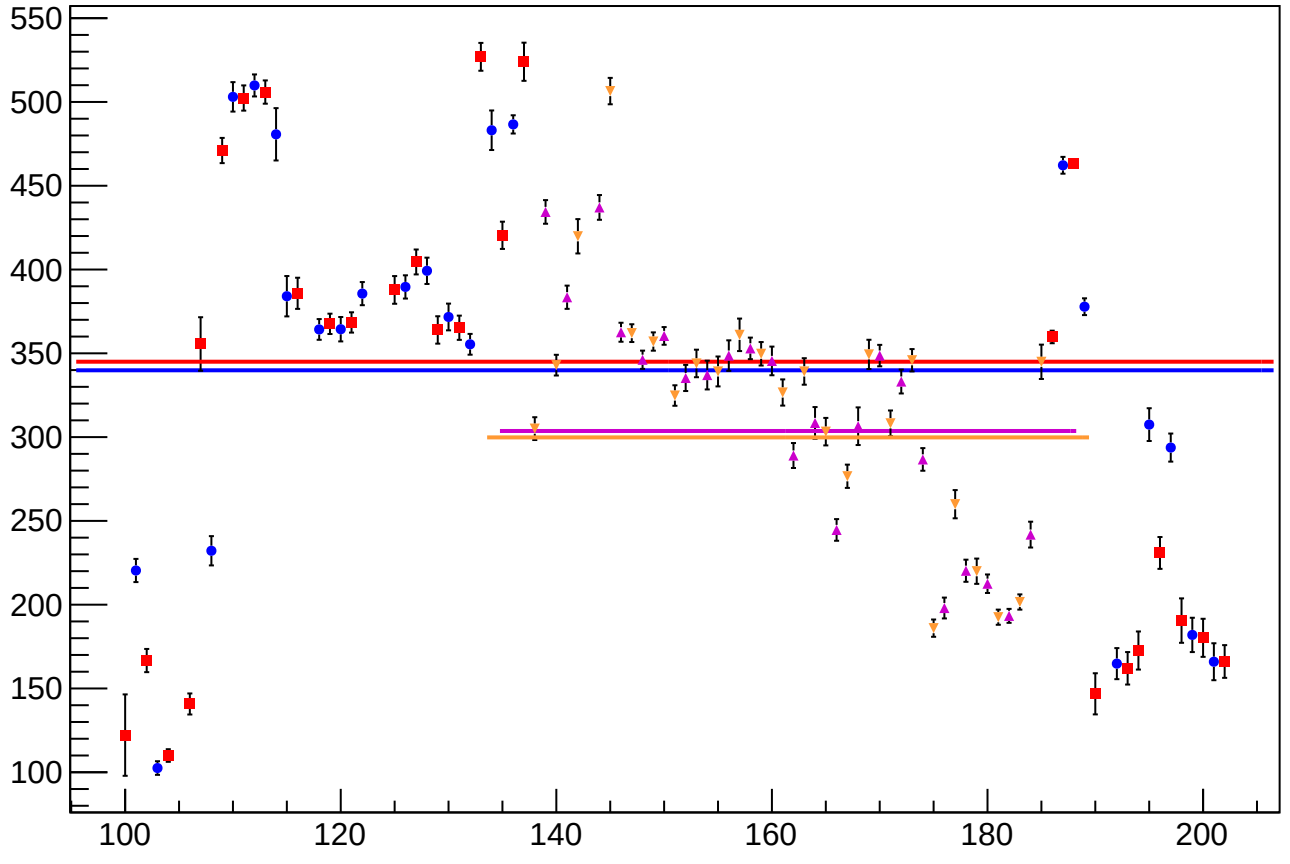
Right Out: 28.711+/-1.379 χ^2/NDF: 210.3/26

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 13.991+/-0.848 χ^2/NDF: 1048.0/46

All: 14.225+/-0.594 χ^2/NDF: 1986.3/96

\- sign 14.451+/-0.833 χ^2/NDF: 938.1/49



Right In: 339.870+/-1.473 χ^2/NDF: 7580.1/22

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

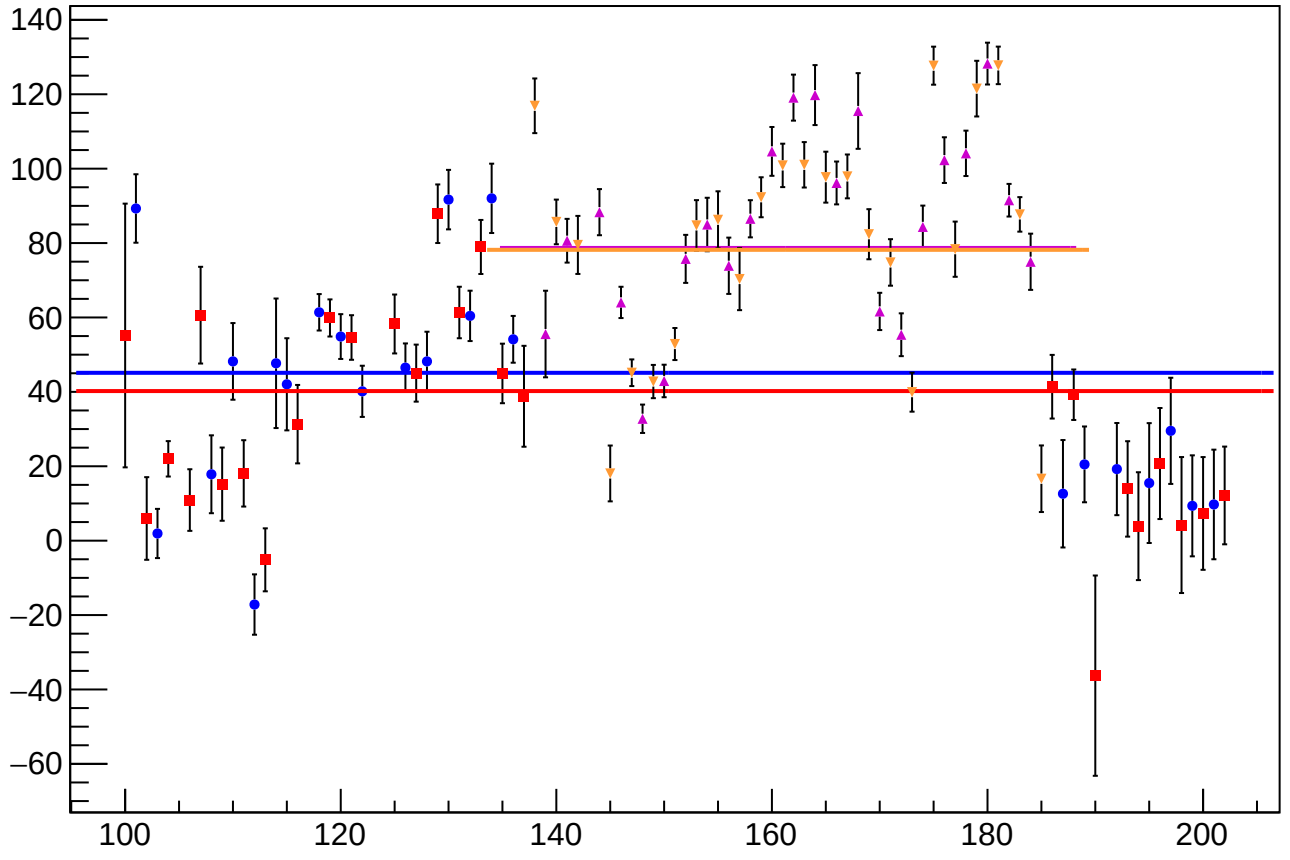
Right Out: 344.996+/-1.267 χ^2/NDF: 11617.3/26

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 318.559+/-1.007 χ^2/NDF: 11049.5/46

All: 322.632+/-0.685 χ^2/NDF: 26056.1/96

- sign 326.132+/-0.934 χ^2/NDF: 14976.1/49



Right In: 45.122+/-1.762 χ^2/NDF: 244.9/22

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

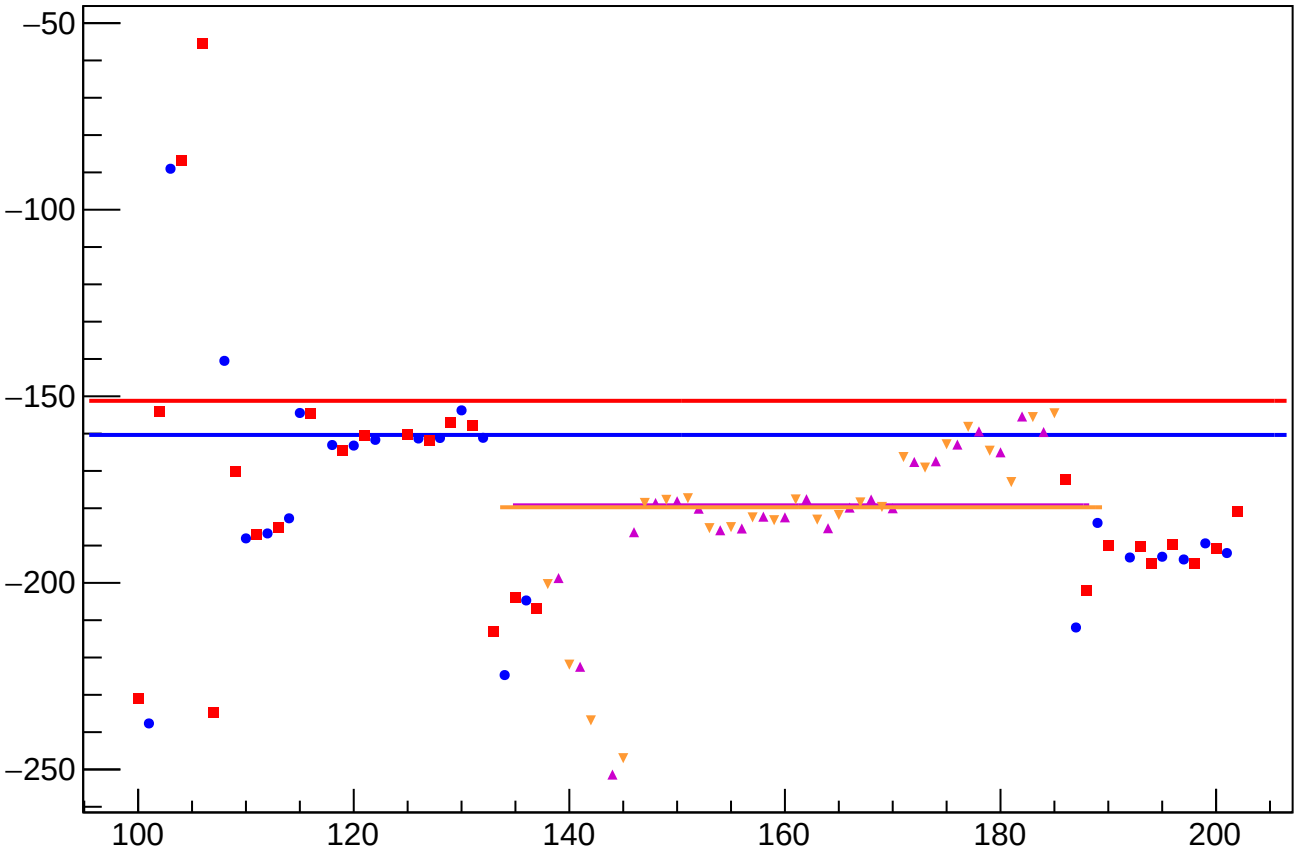
Right Out: 40.215+/-1.661 χ^2/NDF: 216.4/26

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 67.894+/-0.983 χ^2/NDF: 1150.6/46

All: 66.714+/-0.690 χ^2/NDF: 2212.1/96

- sign 65.566+/-0.970 χ^2/NDF: 1058.7/49



Right In: -160.354+/-0.087 χ^2/NDF: 301654.8/22

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

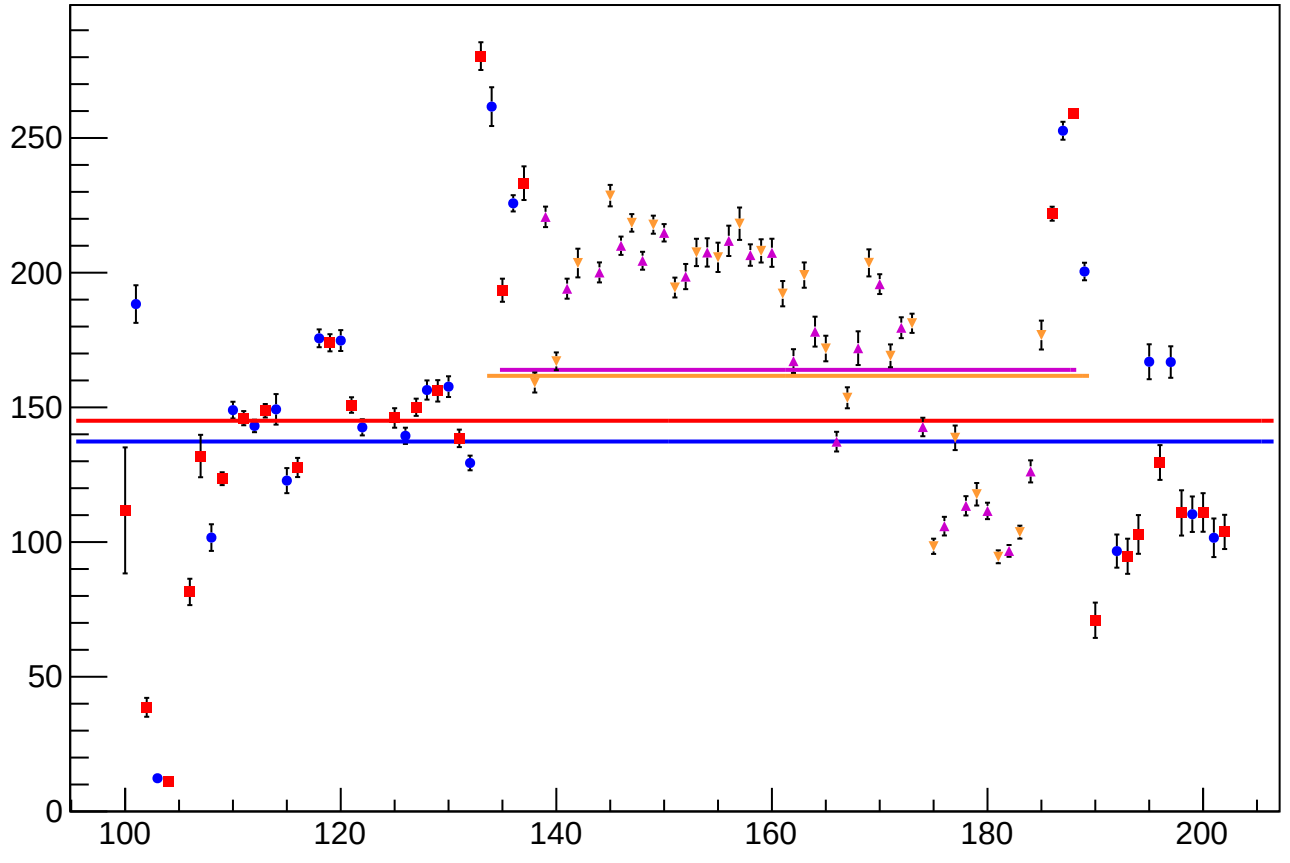
Right Out: -151.213+/-0.081 χ^2/NDF: 413770.3/26

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -174.217+/-0.047 χ^2/NDF: 469234.8/46

All: -172.341+/-0.032 χ^2/NDF: 1081292.6/96

- sign -170.561+/-0.045 χ^2/NDF: 608887.3/49



Right In: 137.329+/-0.740 χ^2/NDF: 8033.3/22

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

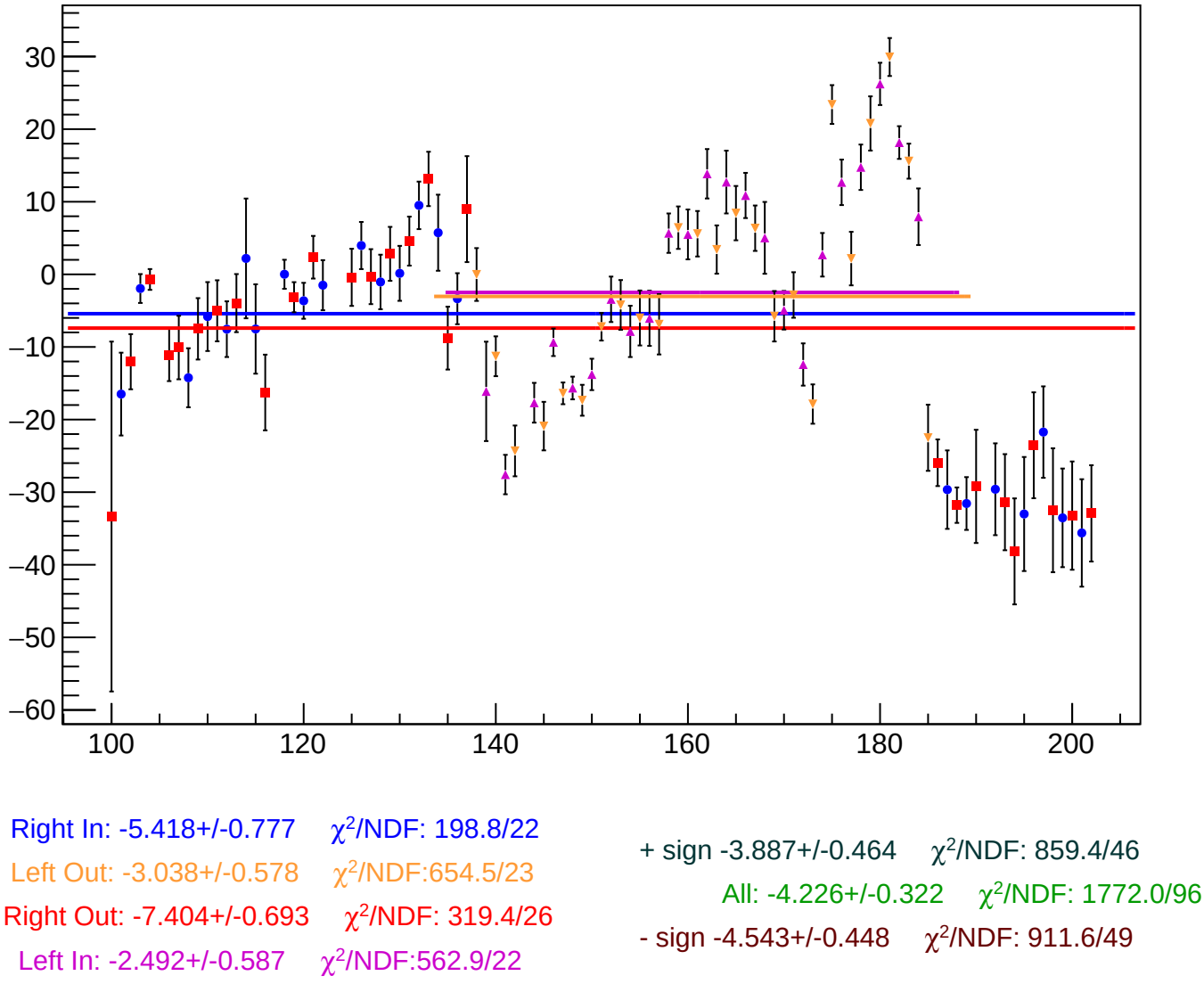
Right Out: 145.033+/-0.661 χ^2/NDF: 13095.8/26

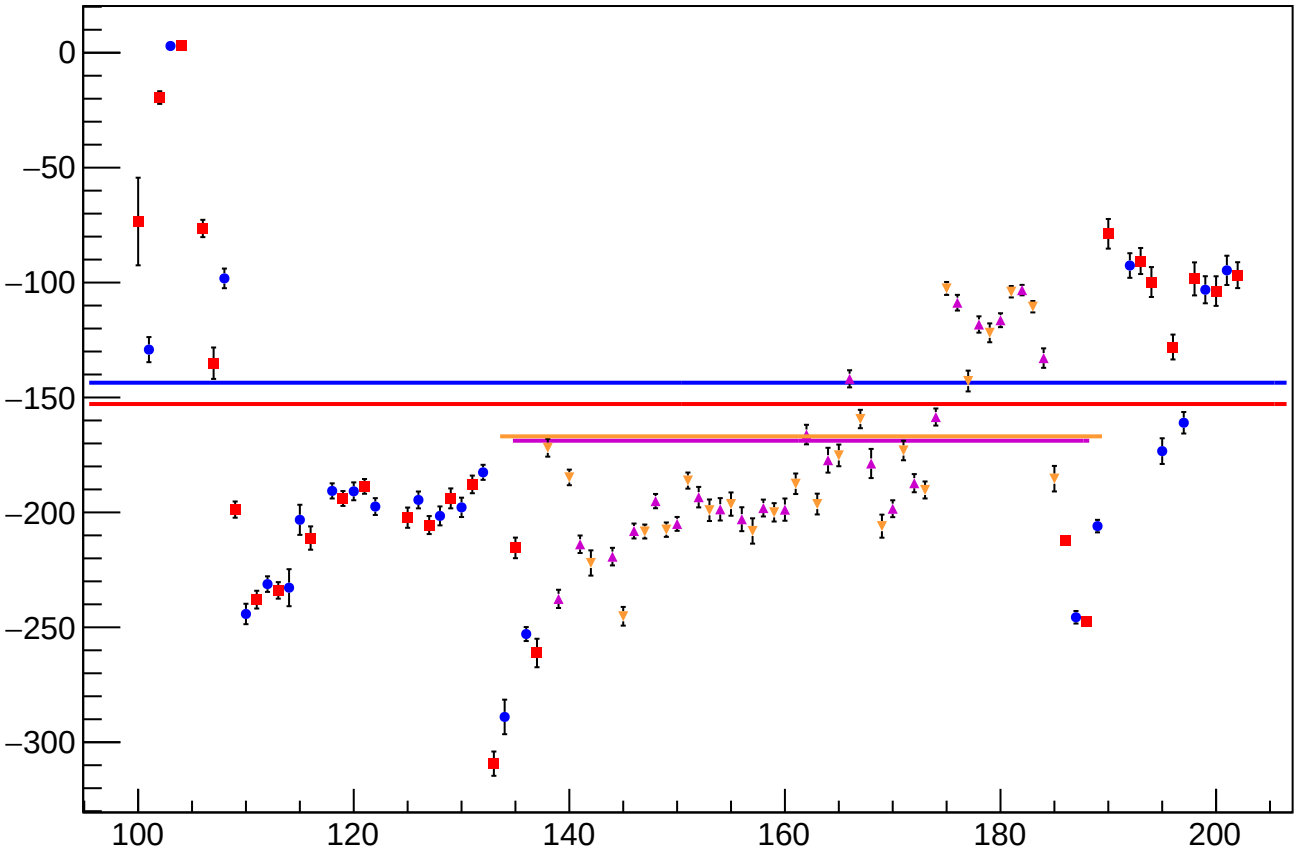
Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 148.931+/-0.535 χ^2/NDF: 12137.6/46

All: 151.057+/-0.367 χ^2/NDF: 28940.4/96

- sign 152.941+/-0.504 χ^2/NDF: 16773.1/49


reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
Right In: -5.418+/-0.777 χ²/NDF: 198.8/22
Left Out: -3.038+/-0.578 χ²/NDF:654.5/23
Right Out: -7.404+/-0.693 χ²/NDF: 319.4/26
Left In: -2.492+/-0.587 χ²/NDF:562.9/22
+ sign -3.887+/-0.464 χ²/NDF: 859.4/46
All: -4.226+/-0.322 χ²/NDF: 1772.0/96
- sign -4.543+/-0.448 χ²/NDF: 911.6/49



Right In: -143.571+/-0.739 χ^2/NDF: 17121.9/22

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

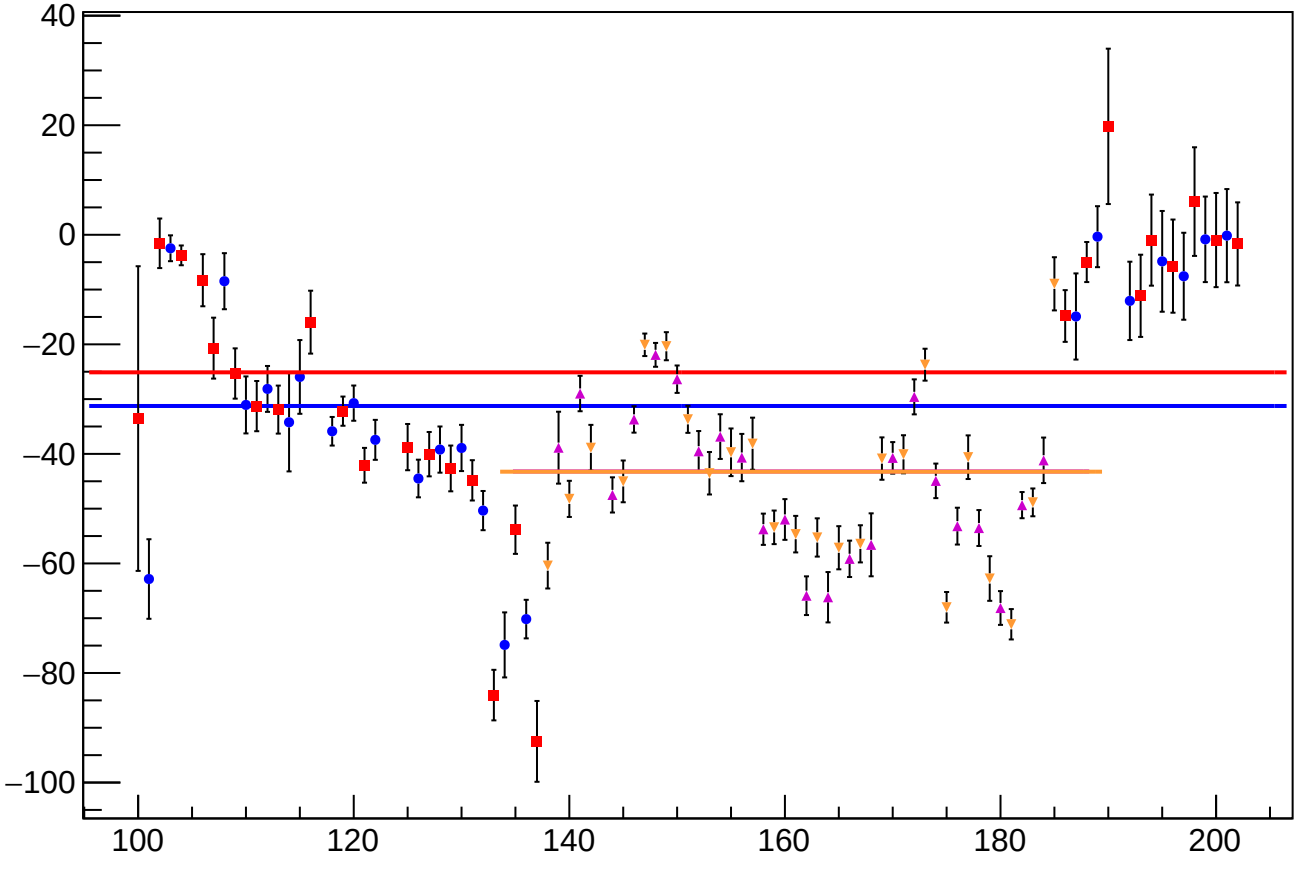
Right Out: -152.846+/-0.641 χ^2/NDF: 23746.3/26

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -154.752+/-0.534 χ^2/NDF: 20695.7/46

All: -157.234+/-0.362 χ^2/NDF: 47794.7/96

- sign -159.357+/-0.493 χ^2/NDF: 27058.8/49



Right In: -31.254+/-0.915 χ^2/NDF: 509.2/22

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

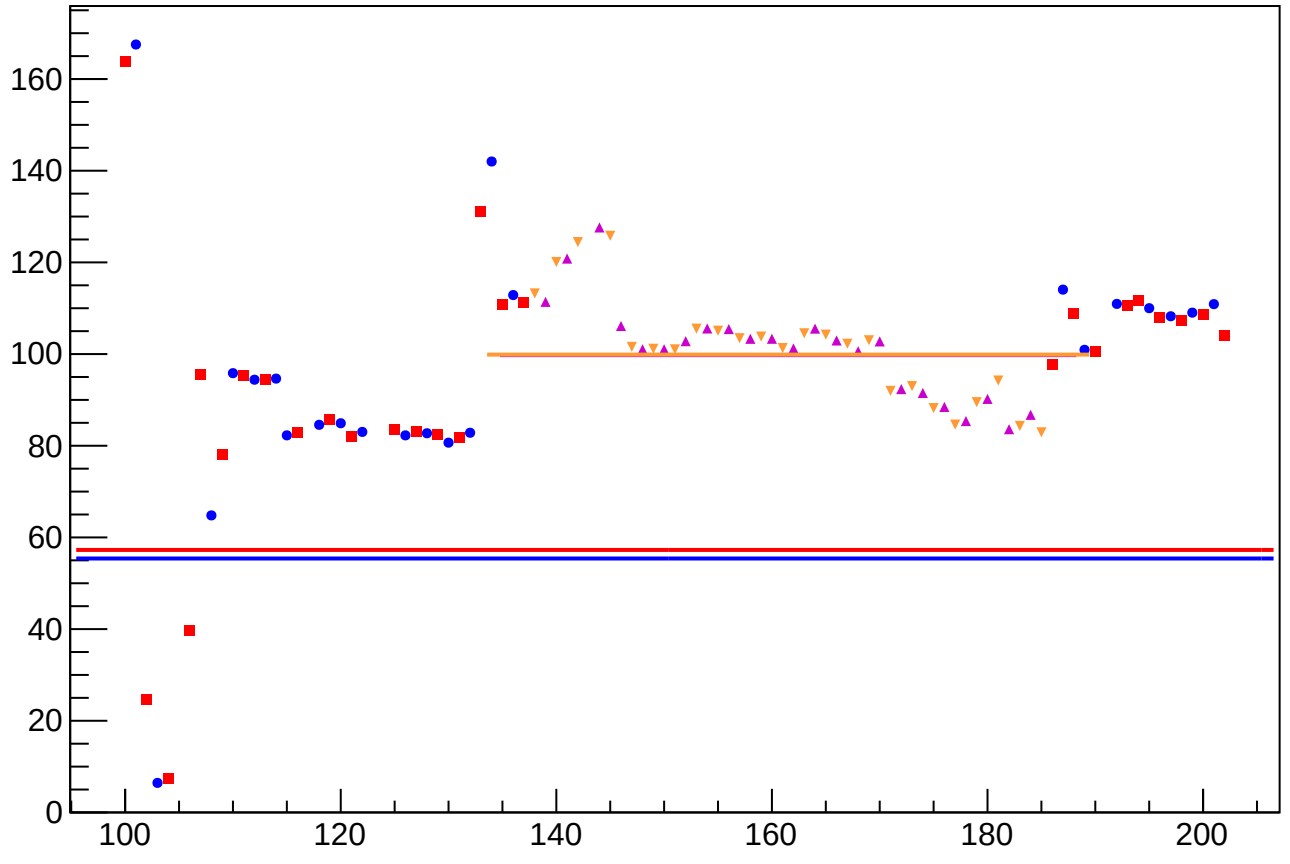
Right Out: -25.112+/-0.837 χ^2/NDF: 671.4/26

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

\+ sign -39.114+/-0.537 χ^2/NDF: 1231.9/46

All: -37.586+/-0.375 χ^2/NDF: 2609.7/96

\- sign -36.140+/-0.523 χ^2/NDF: 1362.1/49



Right In: 55.401+/-0.041 χ^2/NDF: 1441694.4/22

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

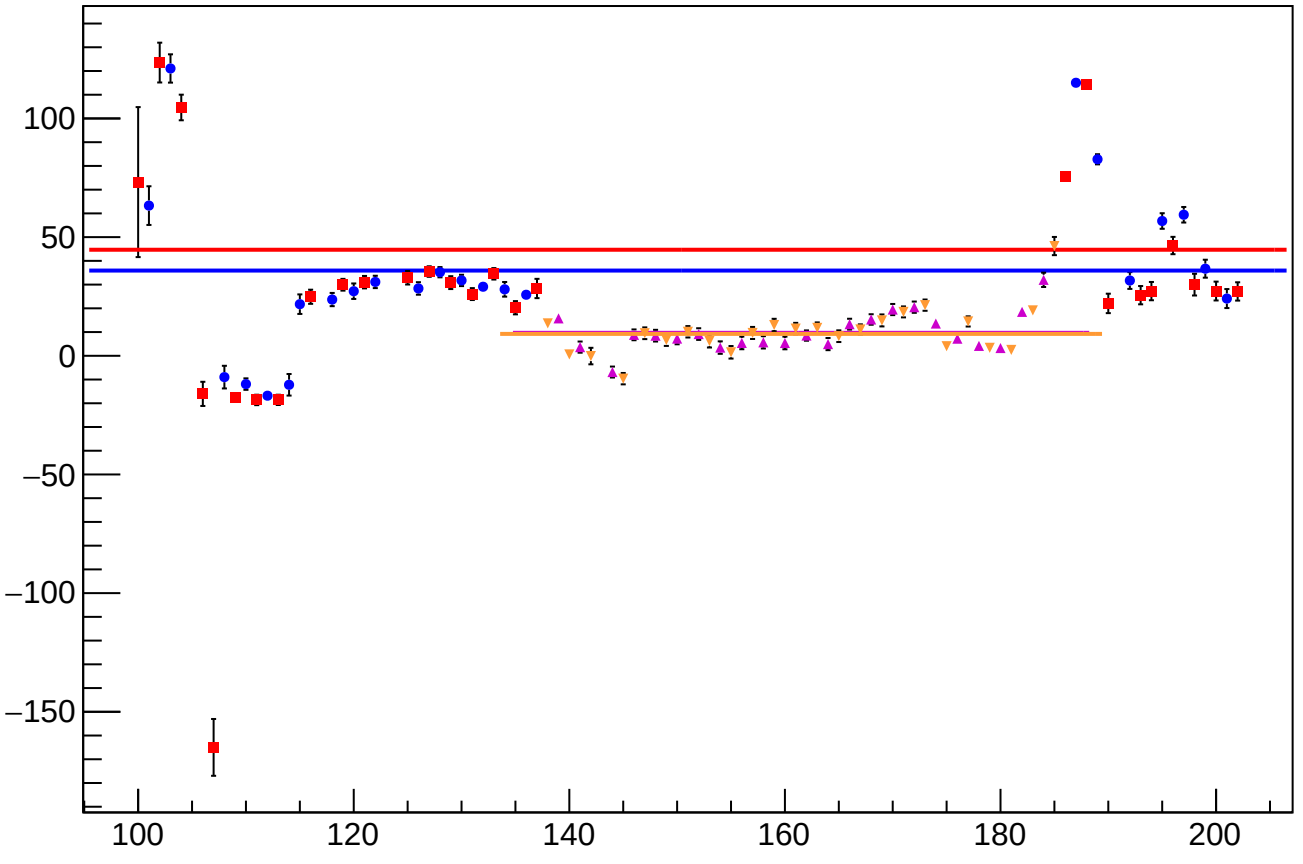
Right Out: 57.271+/-0.040 χ^2/NDF: 1259446.3/26

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 83.797+/-0.025 χ^2/NDF: 2321025.5/46

All: 83.894+/-0.017 χ^2/NDF: 4412472.6/96

- sign 83.988+/-0.024 χ^2/NDF: 2091416.3/49



Right In: 35.915+/-0.578 χ^2/NDF: 3749.2/22

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

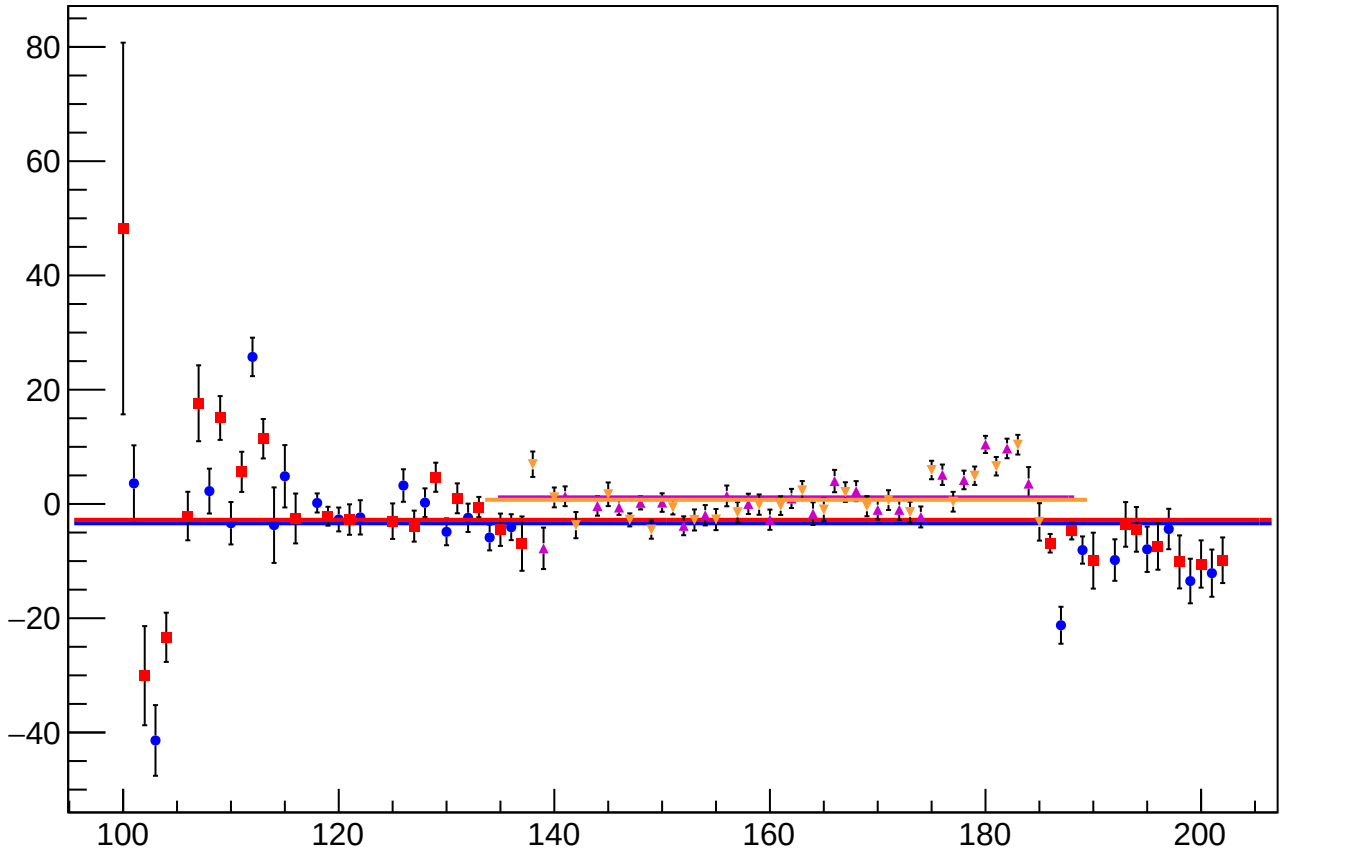
Right Out: 44.686+/-0.506 χ^2/NDF: 7831.1/26

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 19.470+/-0.358 χ^2/NDF: 5388.8/46

All: 22.688+/-0.247 χ^2/NDF: 16229.4/96

\- sign 25.608+/-0.341 χ^2/NDF: 10686.8/49



Right In: -3.380+/-0.613 χ^2/NDF: 182.0/22

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

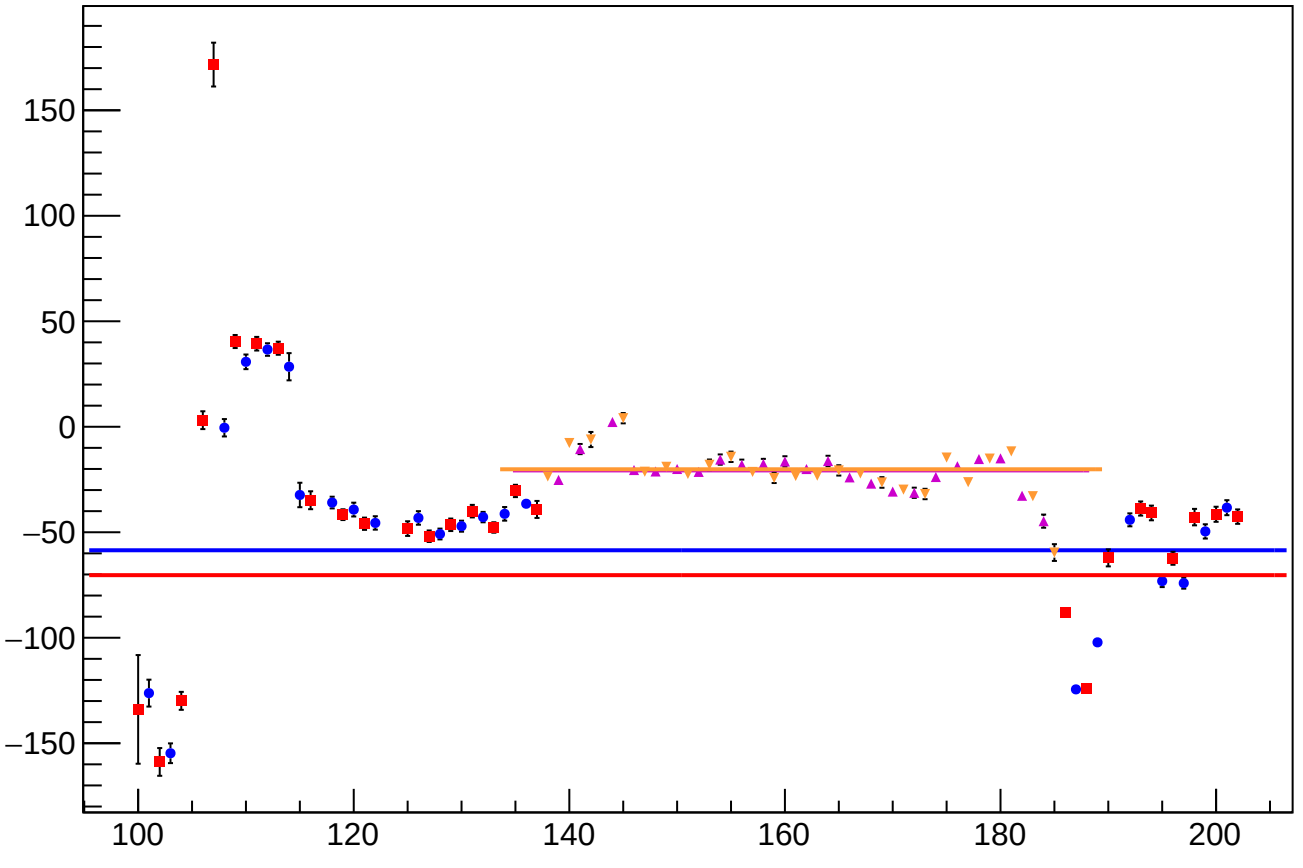
Right Out: -2.770+/-0.565 χ^2/NDF: 123.0/26

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.278+/-0.304 χ^2/NDF: 325.7/46

All: -0.121+/-0.214 χ^2/NDF: 594.1/96

\- sign 0.035+/-0.302 χ^2/NDF: 267.9/49



Right In: -58.537+/-0.592 χ^2/NDF: 5343.1/22

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

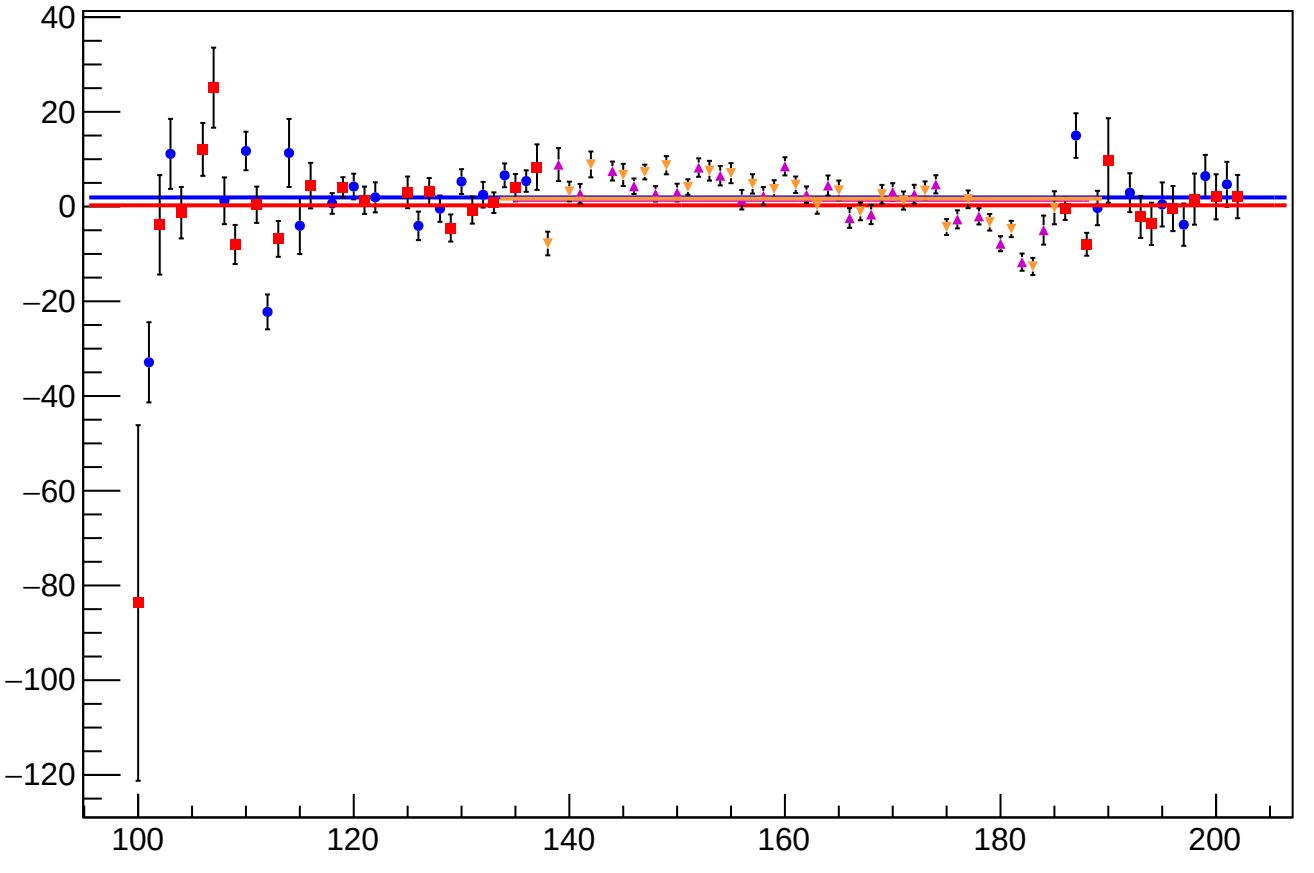
Right Out: -70.334+/-0.490 χ^2/NDF: 9644.0/26

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -34.300+/-0.360 χ^2/NDF: 8416.7/46

All: -39.408+/-0.245 χ^2/NDF: 24234.7/96

\- sign -43.826+/-0.334 χ^2/NDF: 15441.6/49



Right In: 1.929+/-0.717 χ^2/NDF: 94.7/22

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

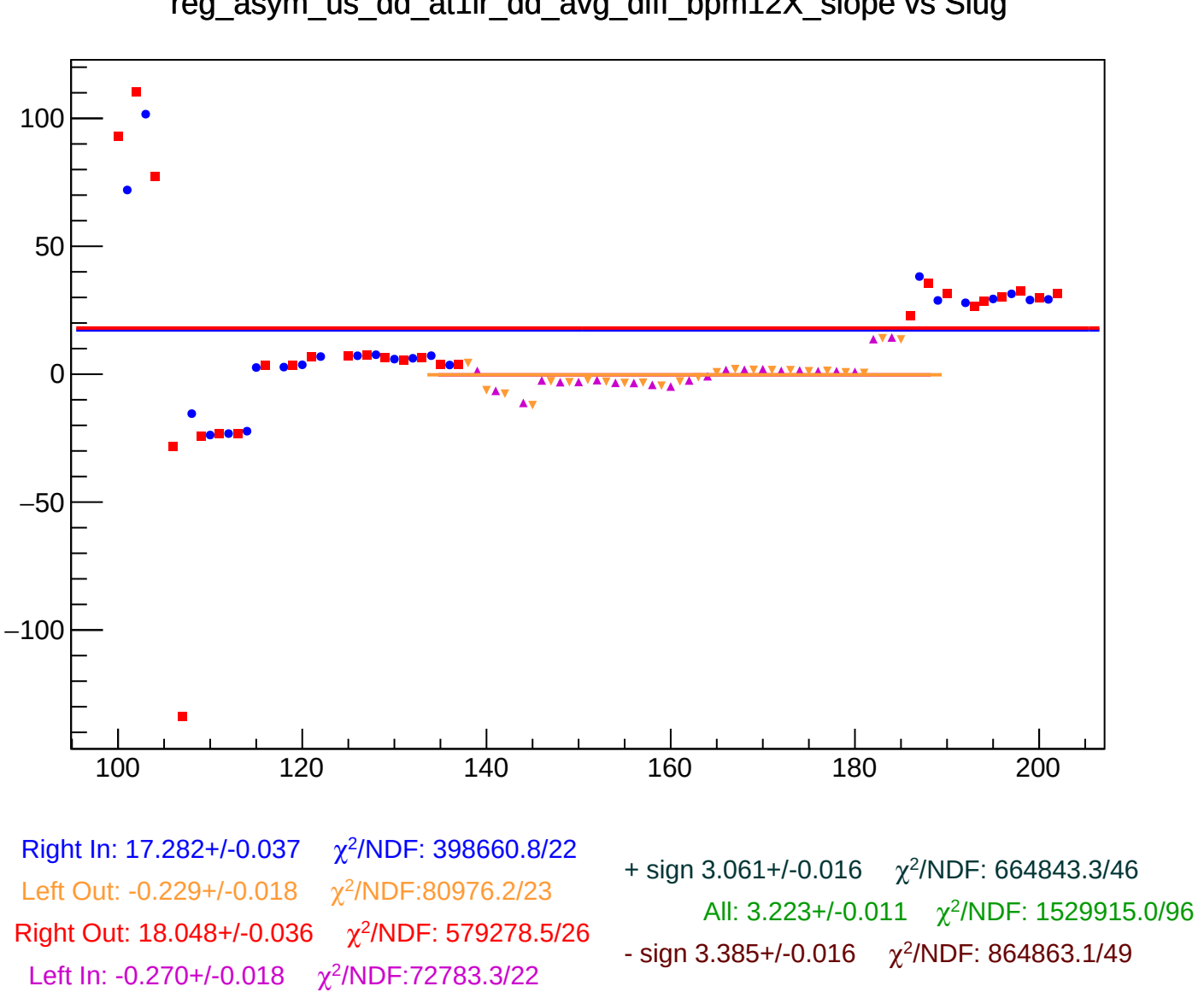
Right Out: 0.262+/-0.685 χ^2/NDF: 53.4/26

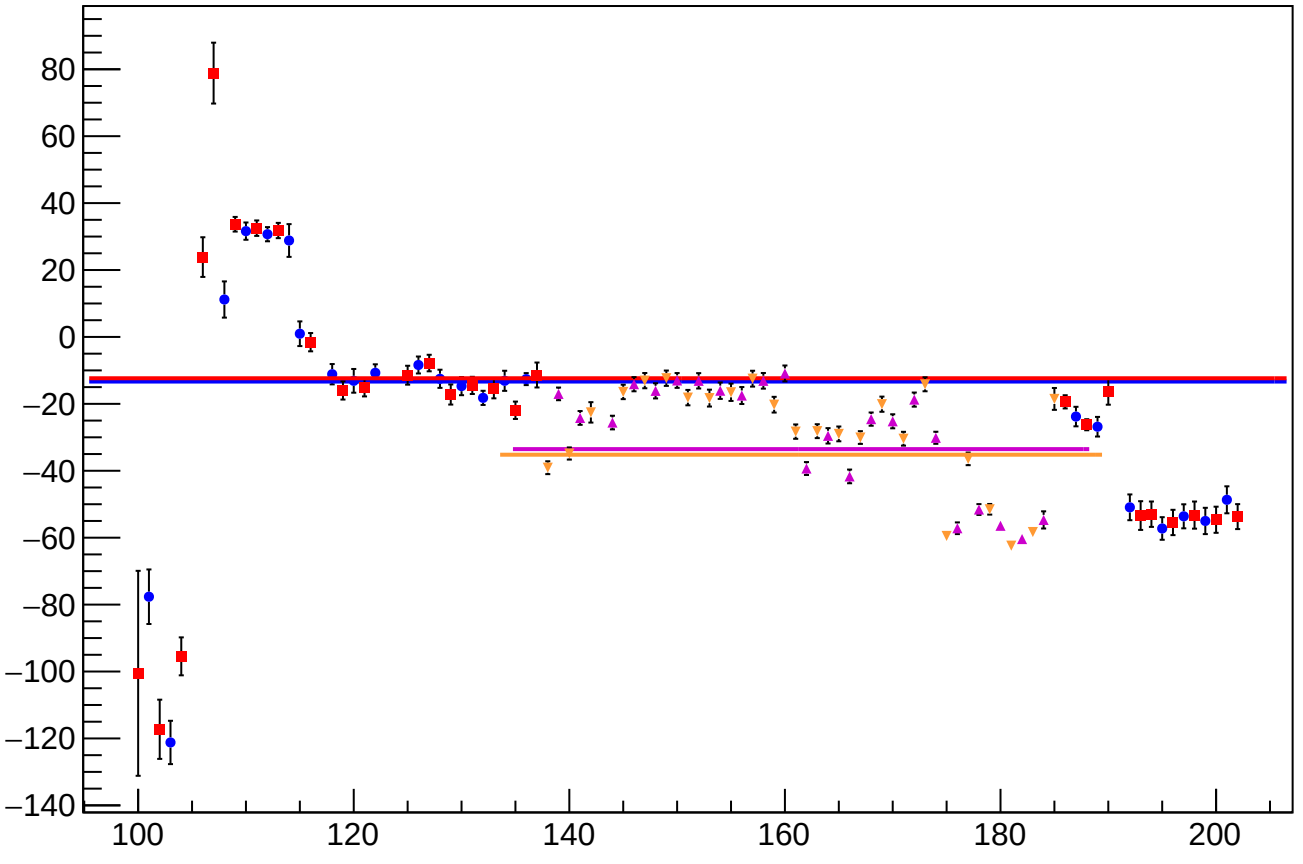
Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.731+/-0.346 χ^2/NDF: 272.8/46

All: 1.431+/-0.245 χ^2/NDF: 492.6/96

- sign 1.129+/-0.347 χ^2/NDF: 218.4/49


reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 17.282+/-0.037 χ²/NDF: 398660.8/22
Left Out: -0.229+/-0.018 χ²/NDF:80976.2/23
Right Out: 18.048+/-0.036 χ²/NDF: 579278.5/26
Left In: -0.270+/-0.018 χ²/NDF:72783.3/22
+ sign 3.061+/-0.016 χ²/NDF: 664843.3/46
All: 3.223+/-0.011 χ²/NDF: 1529915.0/96
- sign 3.385+/-0.016 χ²/NDF: 864863.1/49



Right In: -13.334+/-0.624 χ^2/NDF: 1808.8/22

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

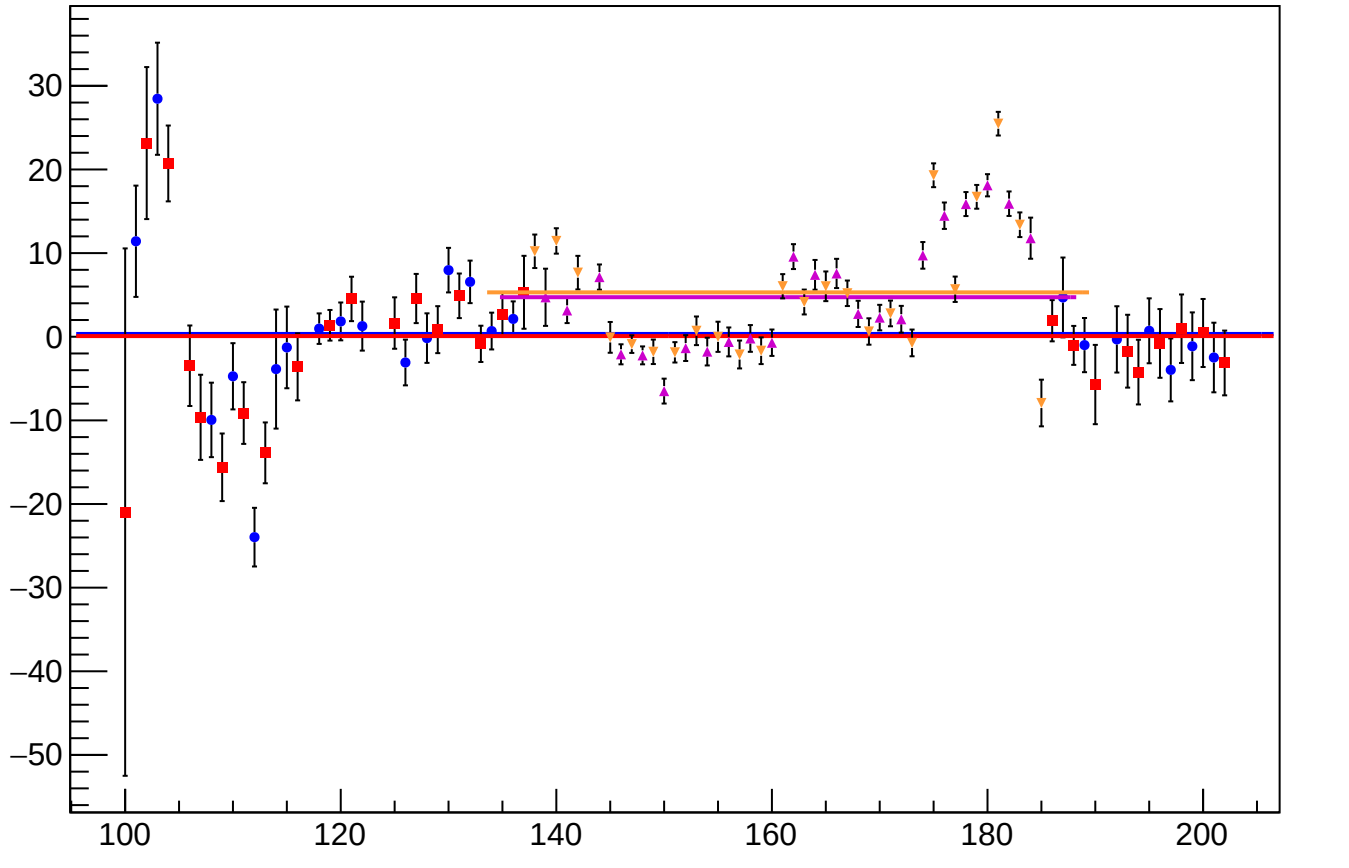
Right Out: -12.351+/-0.572 χ^2/NDF: 2497.7/26

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -28.650+/-0.342 χ^2/NDF: 4519.4/46

All: -27.429+/-0.239 χ^2/NDF: 9748.5/96

- sign -26.253+/-0.335 χ^2/NDF: 5204.1/49



Right In: 0.334+/-0.652 χ^2/NDF: 95.9/22

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

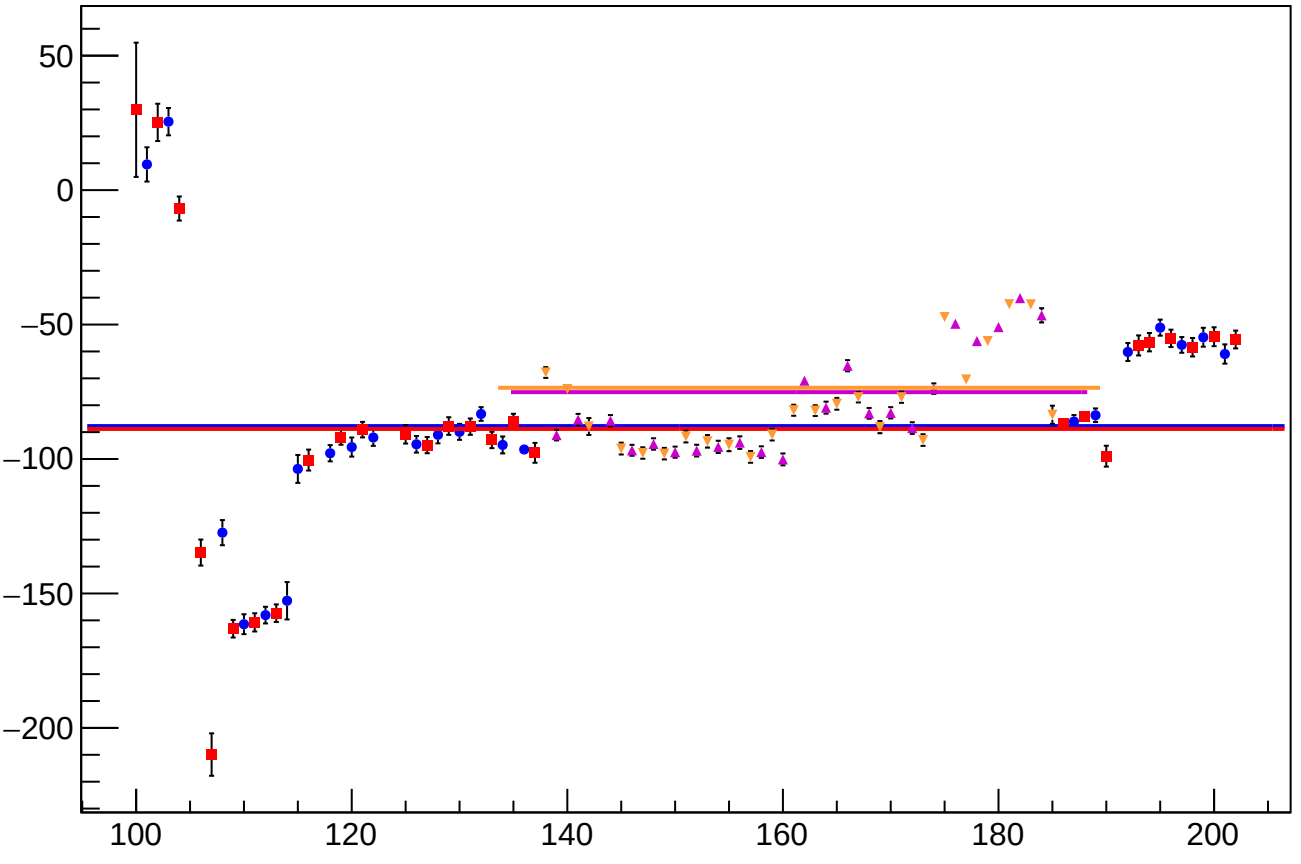
Right Out: 0.078+/-0.631 χ^2/NDF: 84.9/26

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

\+ sign 4.367+/-0.284 χ^2/NDF: 767.5/46

All: 4.071+/-0.201 χ^2/NDF: 1393.7/96

\- sign 3.770+/-0.286 χ^2/NDF: 624.1/49



Right In: -87.758+/-0.656 χ^2/NDF: 2335.3/22

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

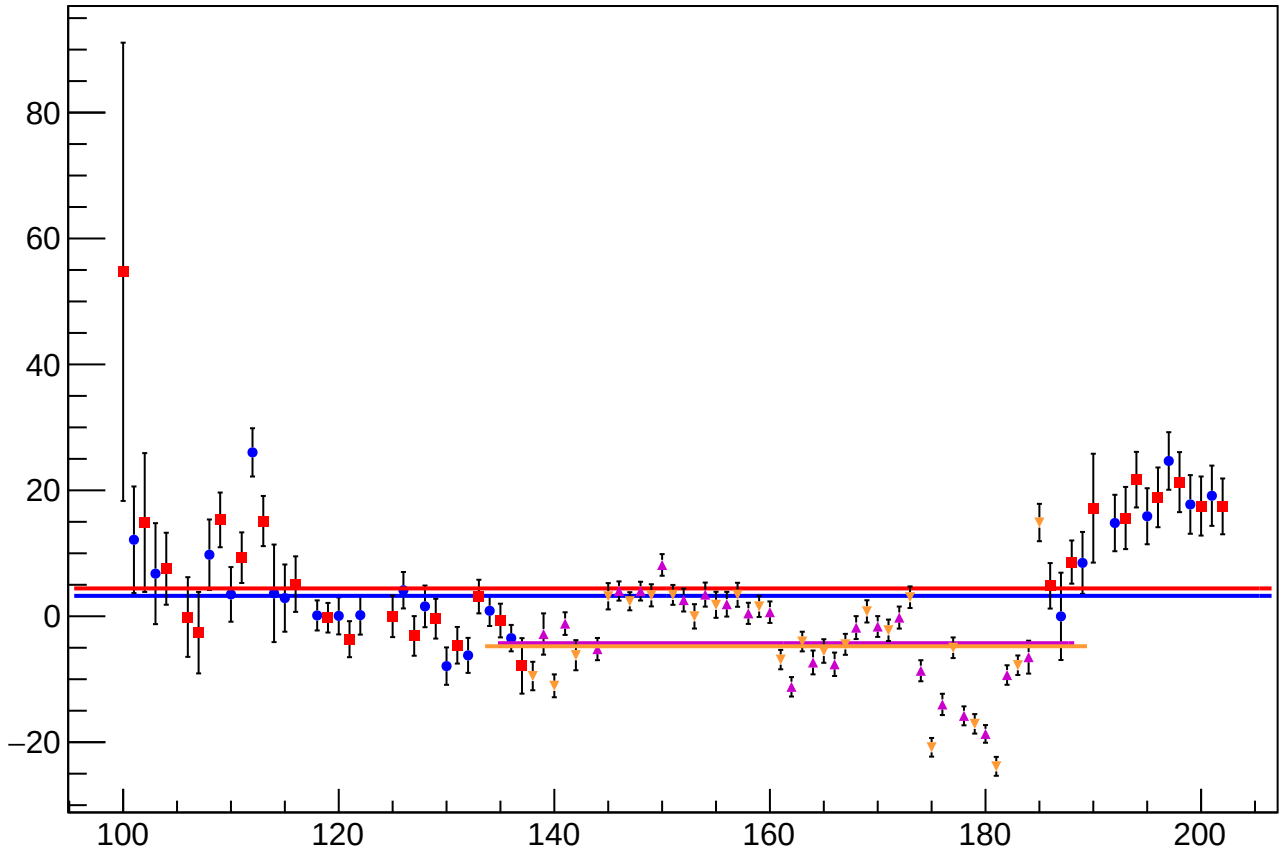
Right Out: -88.812+/-0.581 χ^2/NDF: 2940.8/26

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -77.439+/-0.345 χ^2/NDF: 5068.5/46

All: -78.593+/-0.240 χ^2/NDF: 10763.2/96

- sign -79.682+/-0.335 χ^2/NDF: 5672.9/49



Right In: 3.242+/-0.749 χ^2/NDF: 137.9/22

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

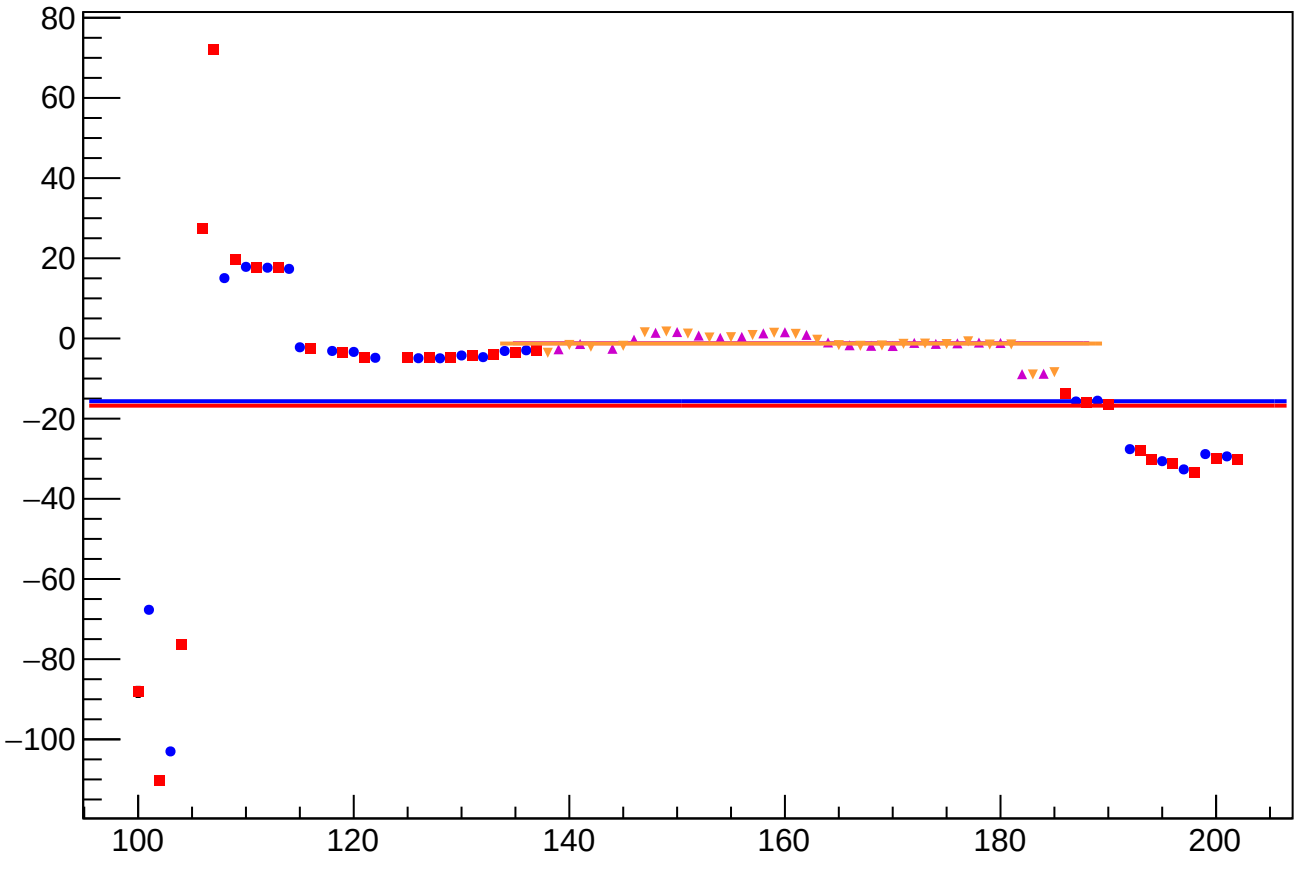
Right Out: 4.423+/-0.742 χ^2/NDF: 125.2/26

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.295+/-0.321 χ^2/NDF: 808.1/46

All: -2.959+/-0.228 χ^2/NDF: 1470.8/96

- sign -2.614+/-0.325 χ^2/NDF: 660.5/49



Right In: -15.653+/-0.037 χ^2/NDF: 350549.0/22

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -16.759+/-0.037 χ^2/NDF: 451001.7/26

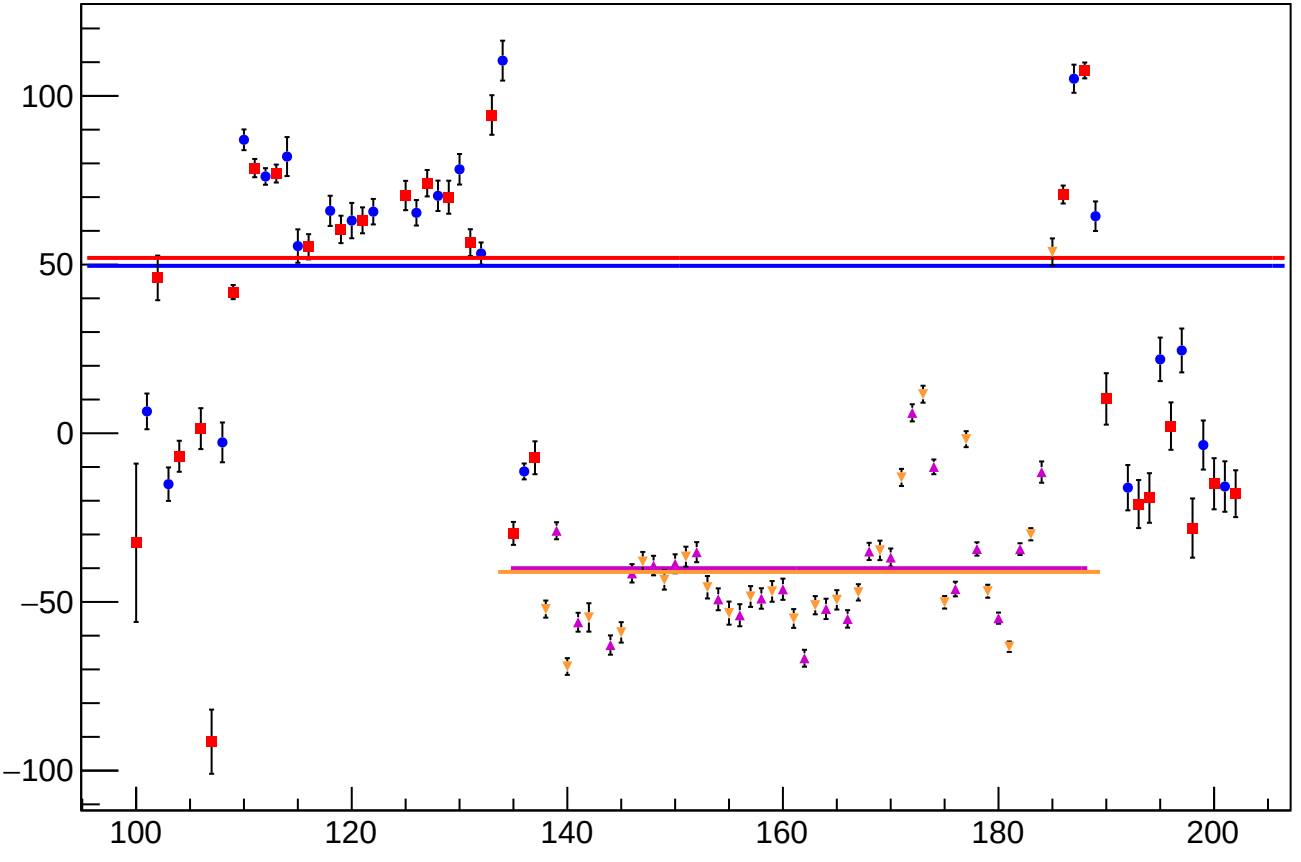
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

\+ sign -3.471+/-0.015 χ^2/NDF: 501595.5/46

All: -3.561+/-0.010 χ^2/NDF: 1128755.4/96

\- sign -3.652+/-0.015 χ^2/NDF: 627082.5/49

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 49.631+/-0.881 χ^2/NDF: 1951.4/22

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 51.977+/-0.780 χ^2/NDF: 2685.7/26

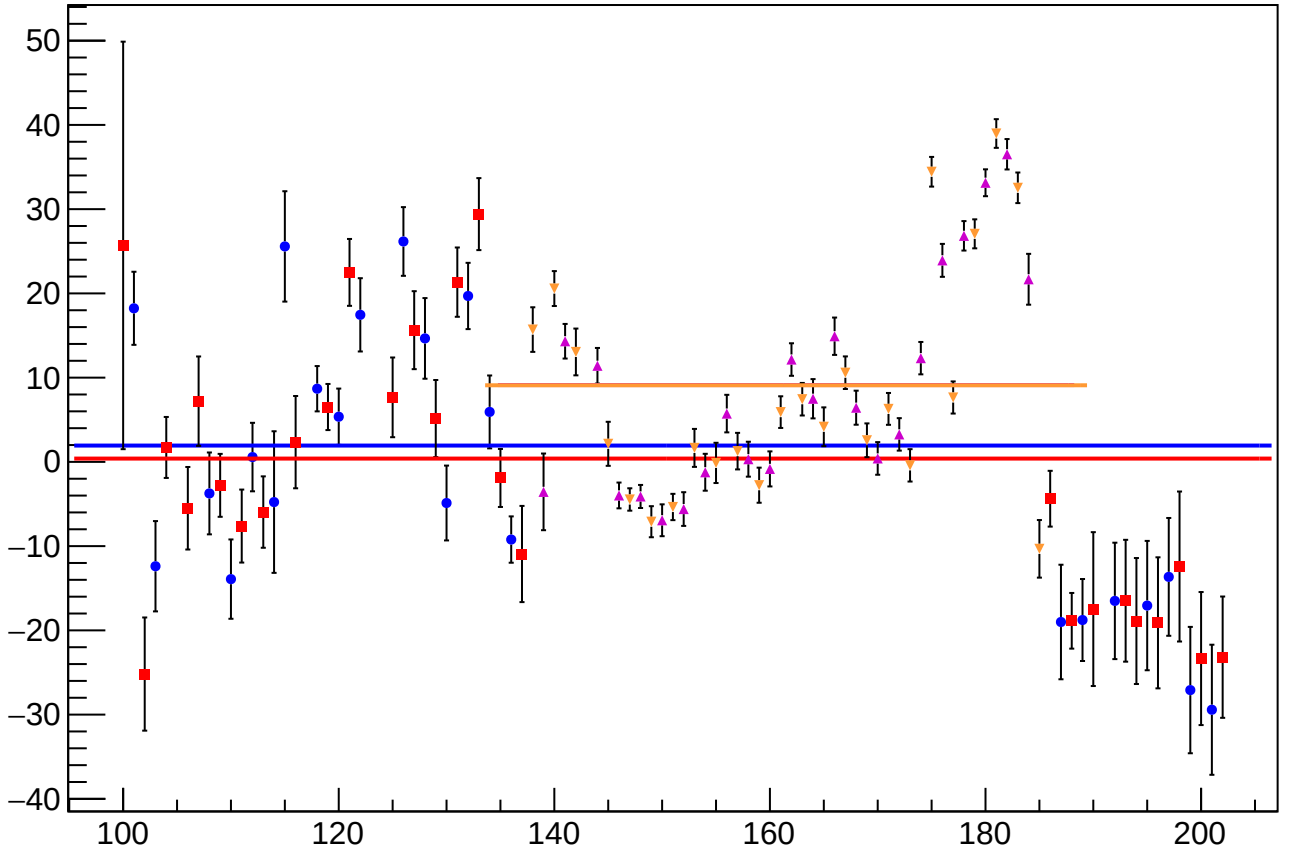
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -17.821+/-0.446 χ^2/NDF: 11789.4/46

All: -14.512+/-0.311 χ^2/NDF: 25196.1/96

\- sign -11.365+/-0.435 χ^2/NDF: 13299.3/49

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.937+/-0.947 χ^2/NDF: 227.5/22

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

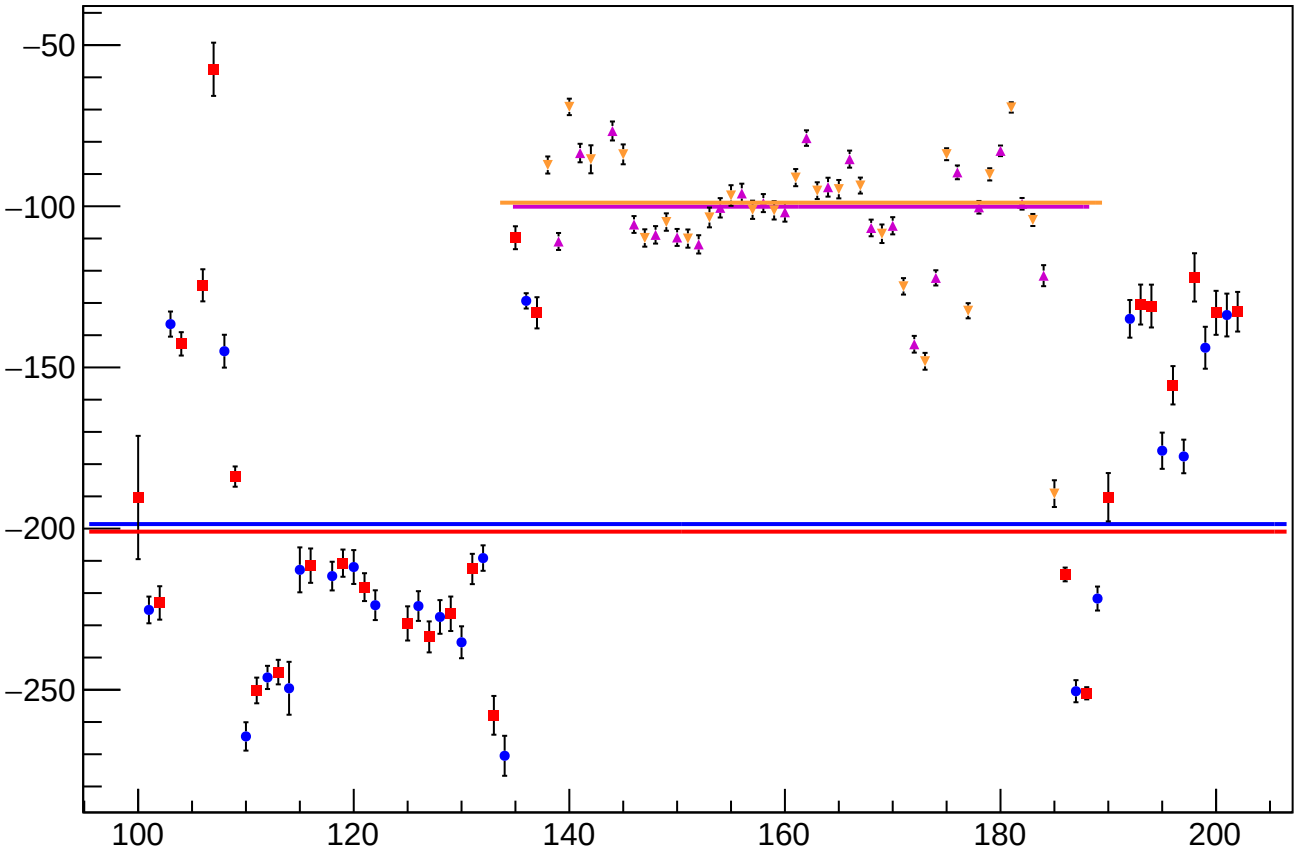
Right Out: 0.392+/-0.893 χ^2/NDF: 232.1/26

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.004+/-0.369 χ^2/NDF: 1529.6/46

All: 7.808+/-0.262 χ^2/NDF: 2893.0/96

- sign 7.609+/-0.372 χ^2/NDF: 1362.8/49



Right In: -198.596+/-0.931 χ^2/NDF: 2587.1/22

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

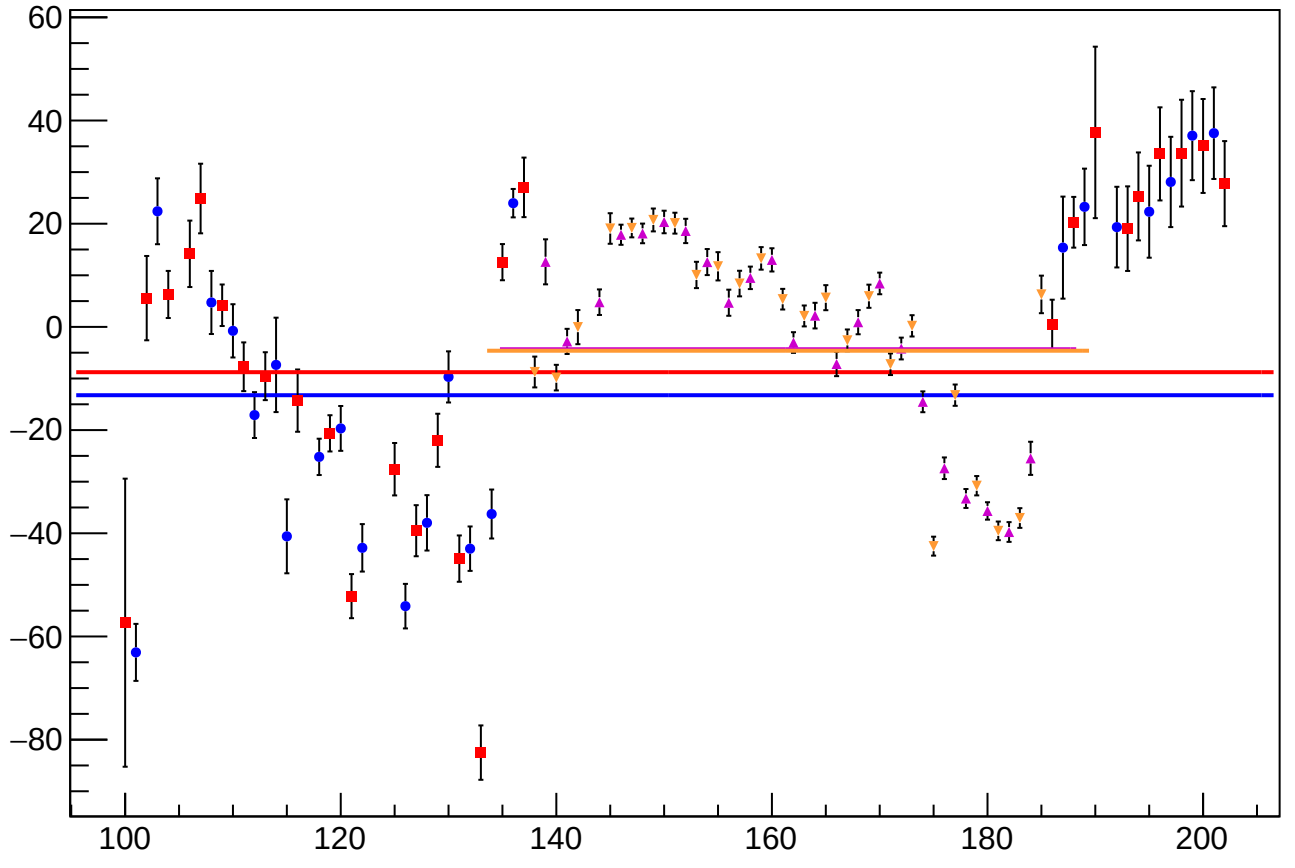
Right Out: -200.941+/-0.812 χ^2/NDF: 3573.1/26

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -122.182+/-0.450 χ^2/NDF: 13200.2/46

All: -125.911+/-0.314 χ^2/NDF: 28656.4/96

- sign -129.442+/-0.438 χ^2/NDF: 15322.6/49



Right In: -13.240+/-1.091 χ^2/NDF: 718.4/22

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

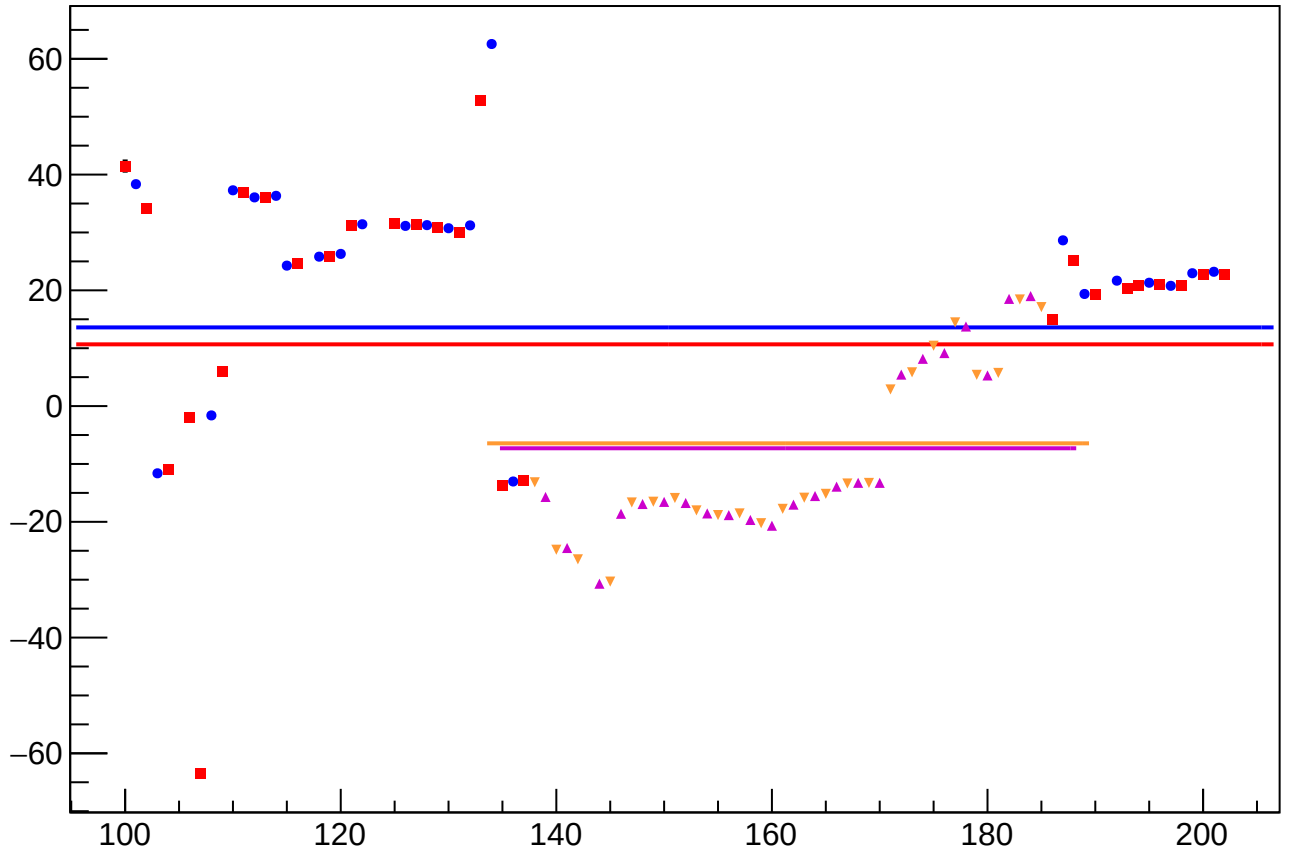
Right Out: -8.777+/-1.051 χ^2/NDF: 730.8/26

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -5.879+/-0.417 χ^2/NDF: 2850.0/46

All: -5.463+/-0.296 χ^2/NDF: 5452.0/96

- sign -5.040+/-0.420 χ^2/NDF: 2600.0/49



Right In: 13.595+/-0.054 χ^2/NDF: 173414.8/22

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

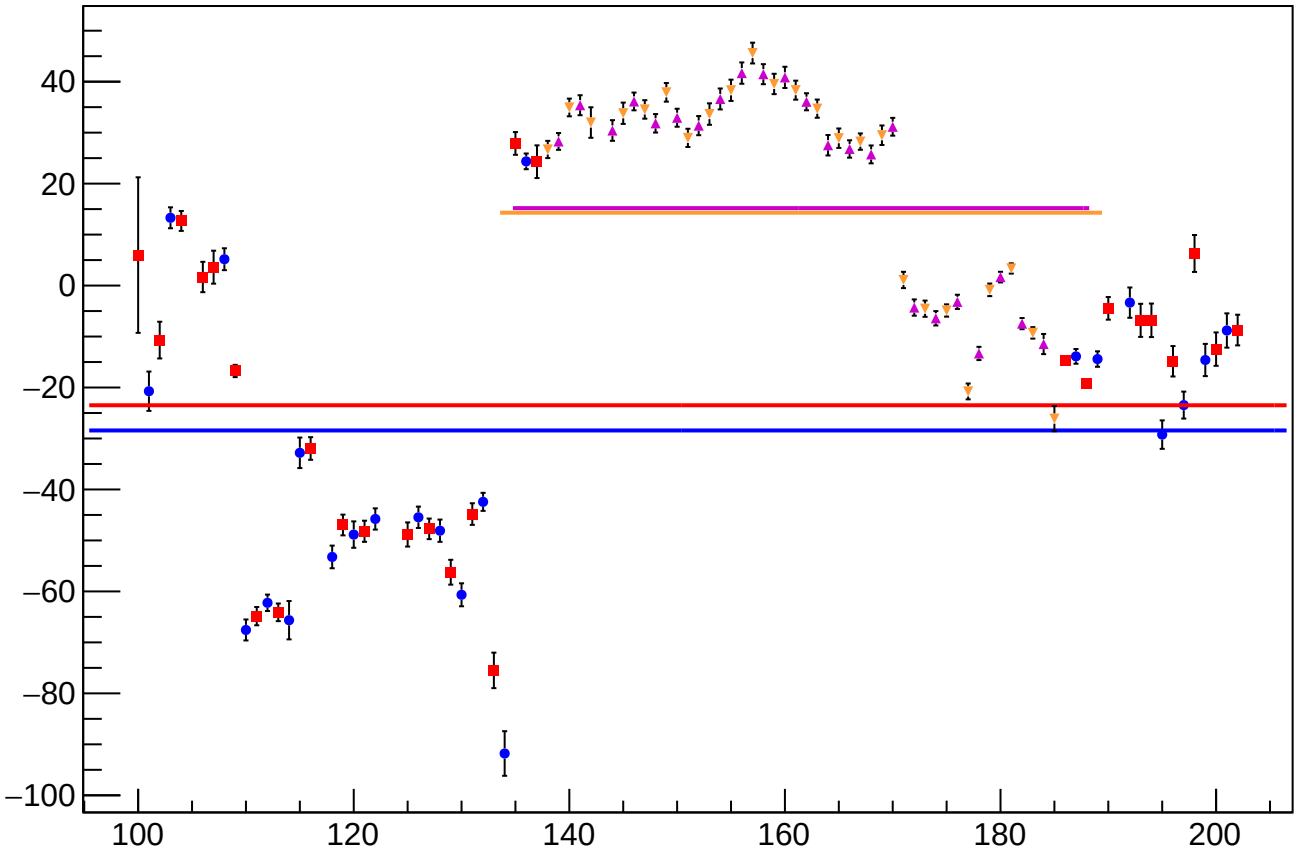
Right Out: 10.668+/-0.052 χ^2/NDF: 175556.0/26

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -4.002+/-0.019 χ^2/NDF: 789747.8/46

All: -4.478+/-0.013 χ^2/NDF: 1556705.2/96

- sign -4.954+/-0.019 χ^2/NDF: 765693.0/49



Right In: -28.425+/-0.455 χ^2/NDF: 3930.6/22

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -23.483+/-0.376 χ^2/NDF: 3773.3/26

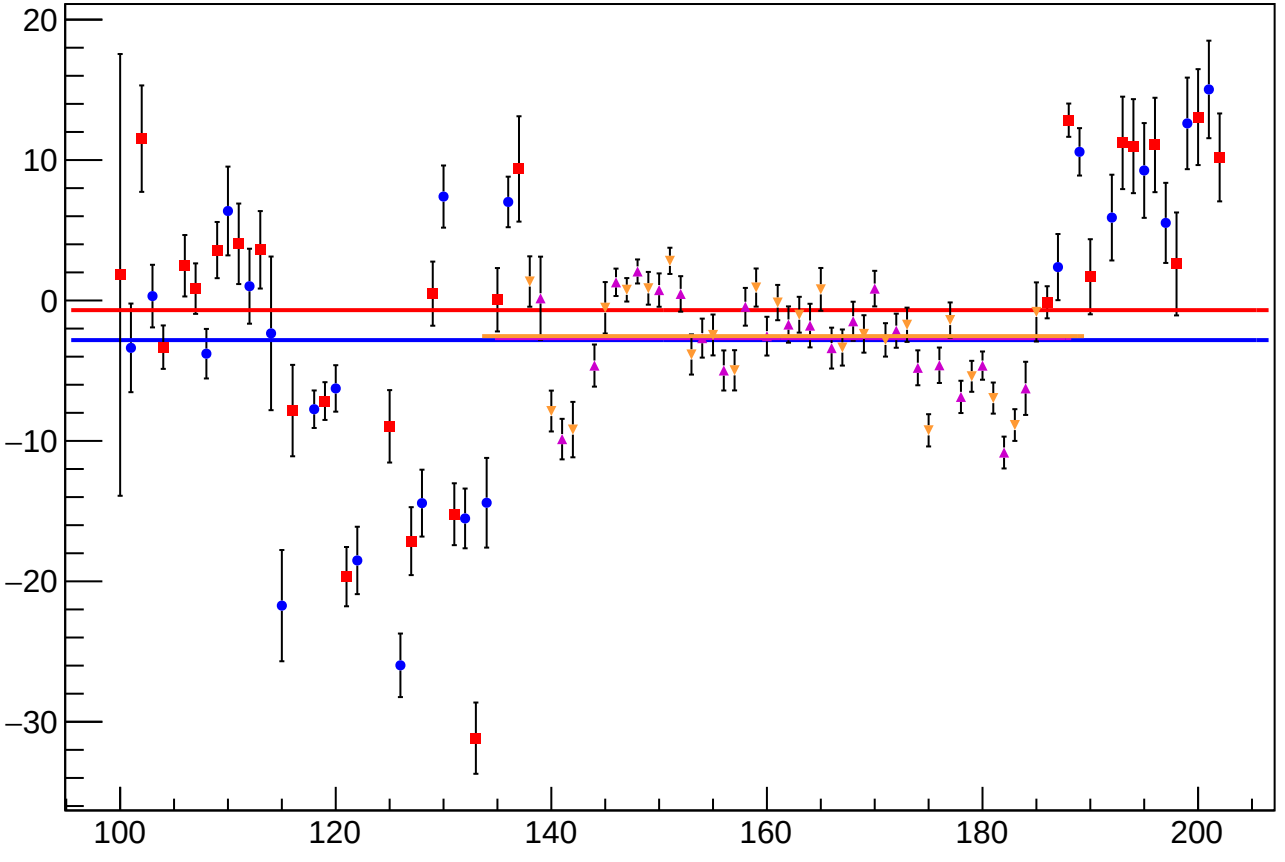
Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -0.714+/-0.270 χ^2/NDF: 13363.2/46

All: -1.499+/-0.184 χ^2/NDF: 26392.8/96

- sign -2.183+/-0.252 χ^2/NDF: 13013.7/49

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -2.821+/-0.483 χ^2/NDF: 471.1/22

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.688+/-0.420 χ^2/NDF: 584.5/26

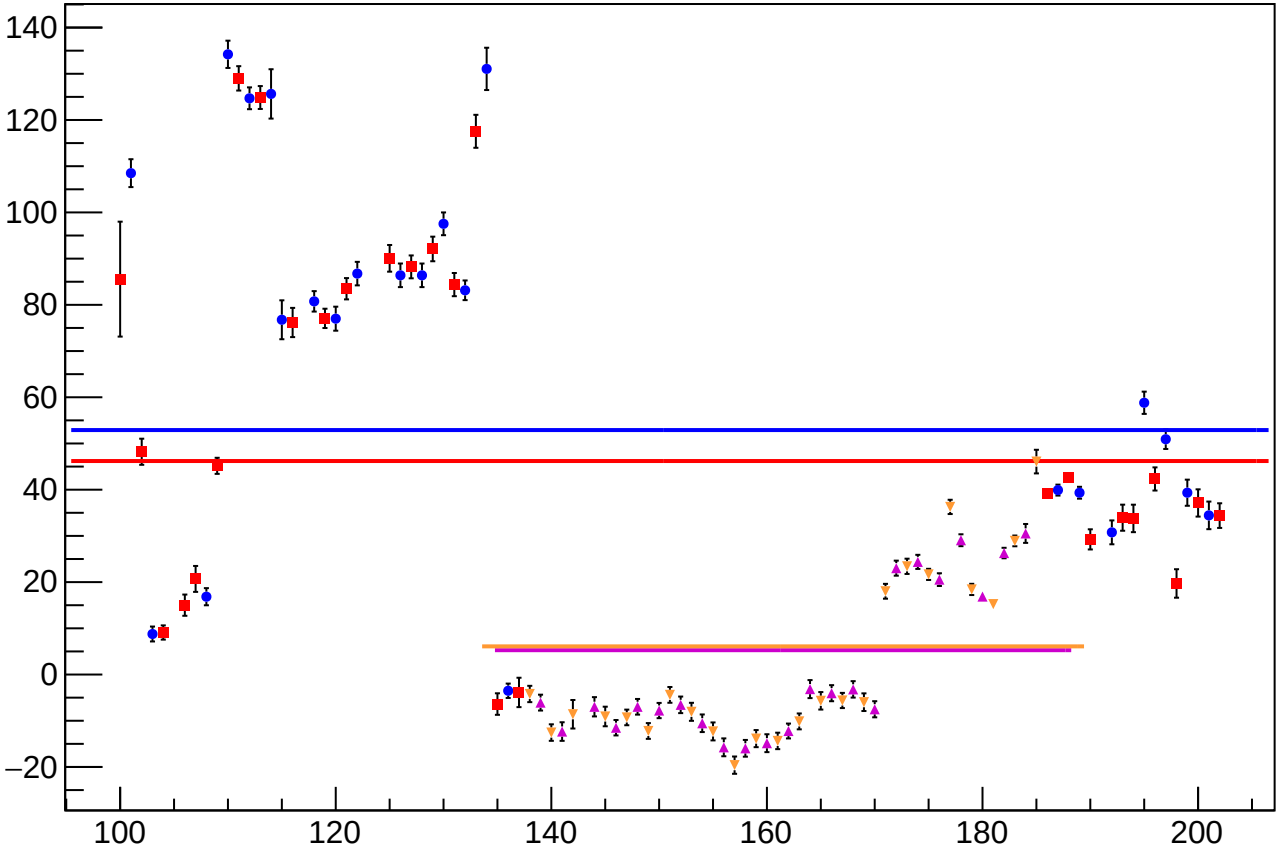
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.601+/-0.228 χ^2/NDF: 669.8/46

All: -2.353+/-0.160 χ^2/NDF: 1454.8/96

- sign -2.113+/-0.224 χ^2/NDF: 782.7/49

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 52.902+/-0.450 χ^2/NDF: 6643.5/22

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

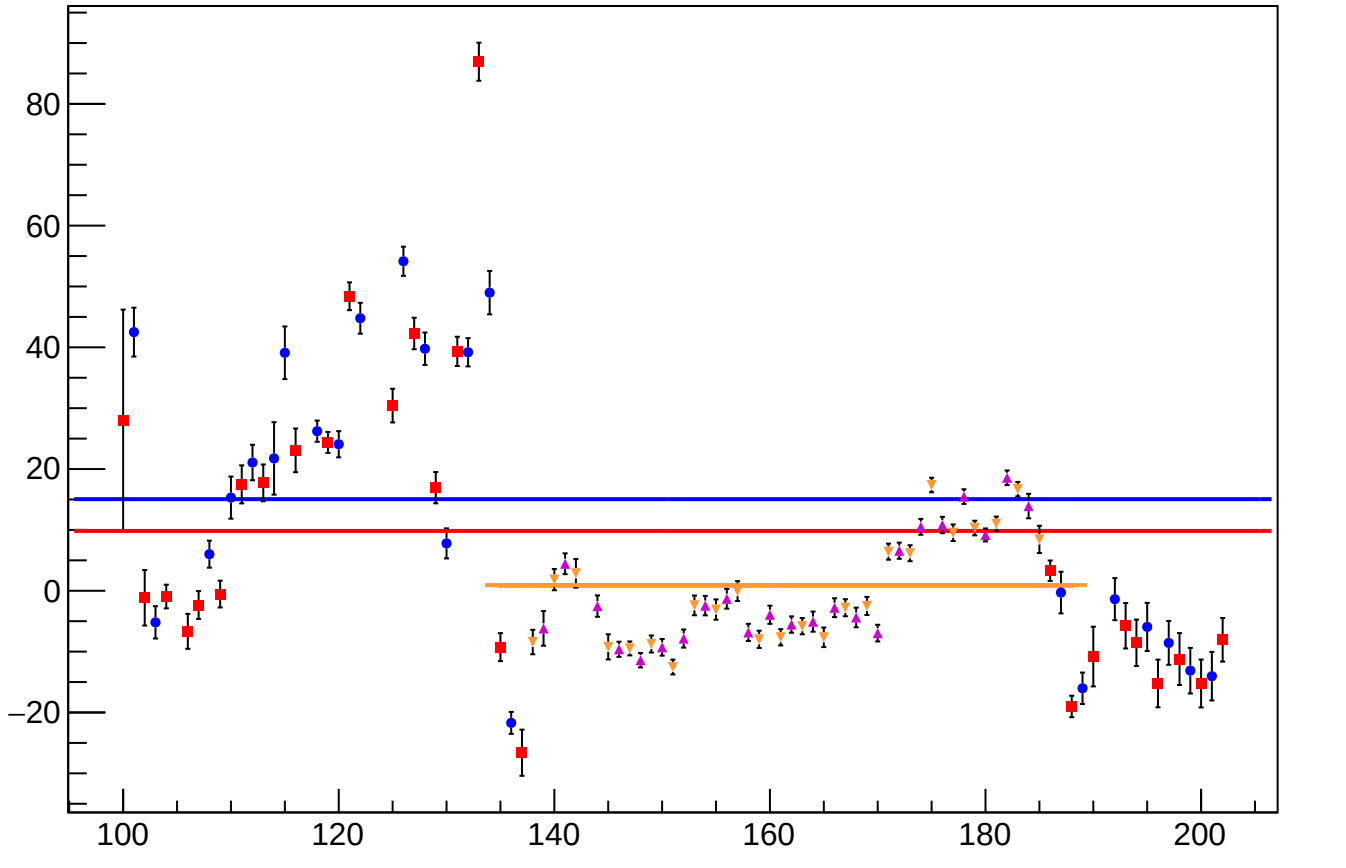
Right Out: 46.202+/-0.356 χ^2/NDF: 5946.2/26

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 22.641+/-0.268 χ^2/NDF: 16407.1/46

All: 23.696+/-0.181 χ^2/NDF: 31811.6/96

- sign 24.577+/-0.245 χ^2/NDF: 15375.9/49



Right In: 15.052+/-0.574 χ^2/NDF: 1698.3/22

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

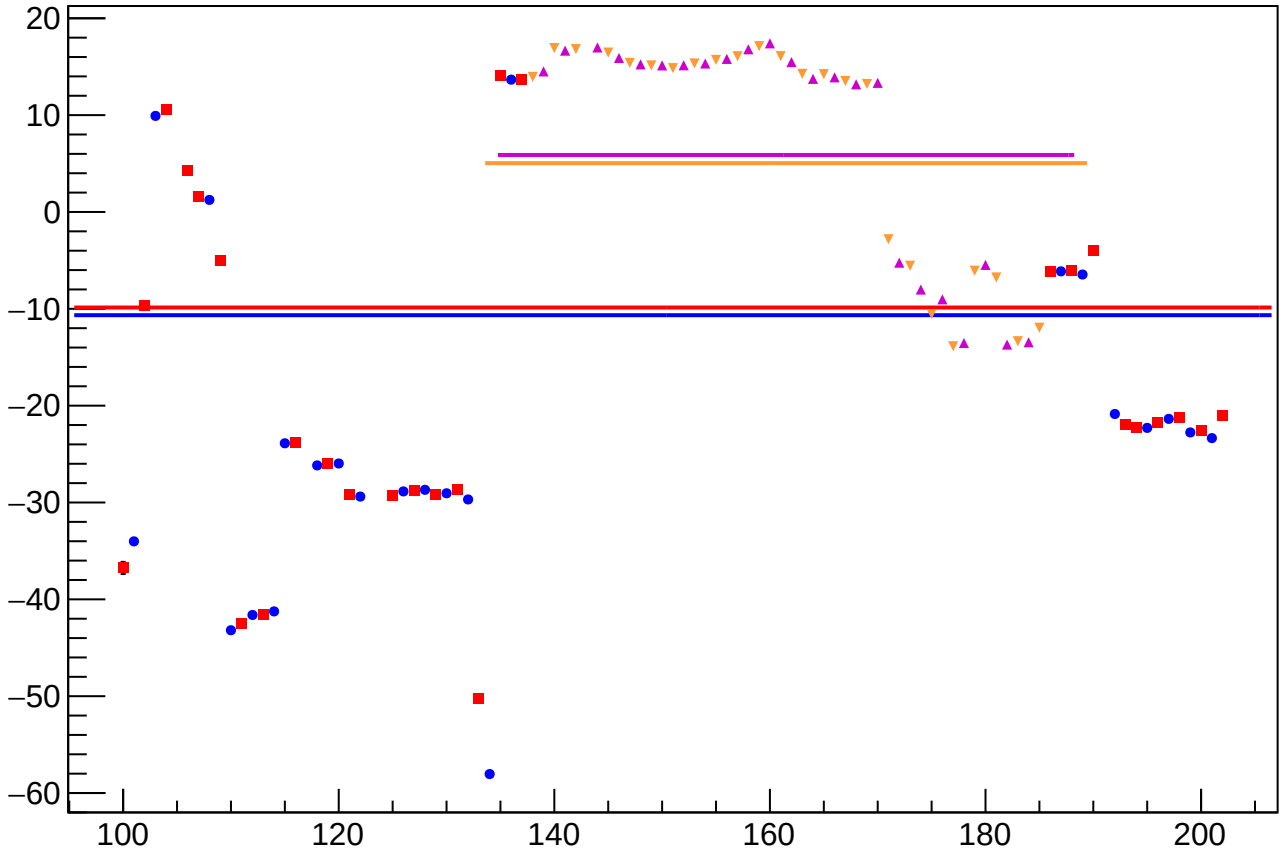
Right Out: 9.833+/-0.517 χ^2/NDF: 2115.5/26

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.829+/-0.260 χ^2/NDF: 3220.9/46

All: 3.462+/-0.183 χ^2/NDF: 6571.8/96

- sign 3.102+/-0.258 χ^2/NDF: 3346.9/49



Right In: -10.658+/-0.027 χ^2/NDF: 480229.7/22

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -9.866+/-0.025 χ^2/NDF: 399781.7/26

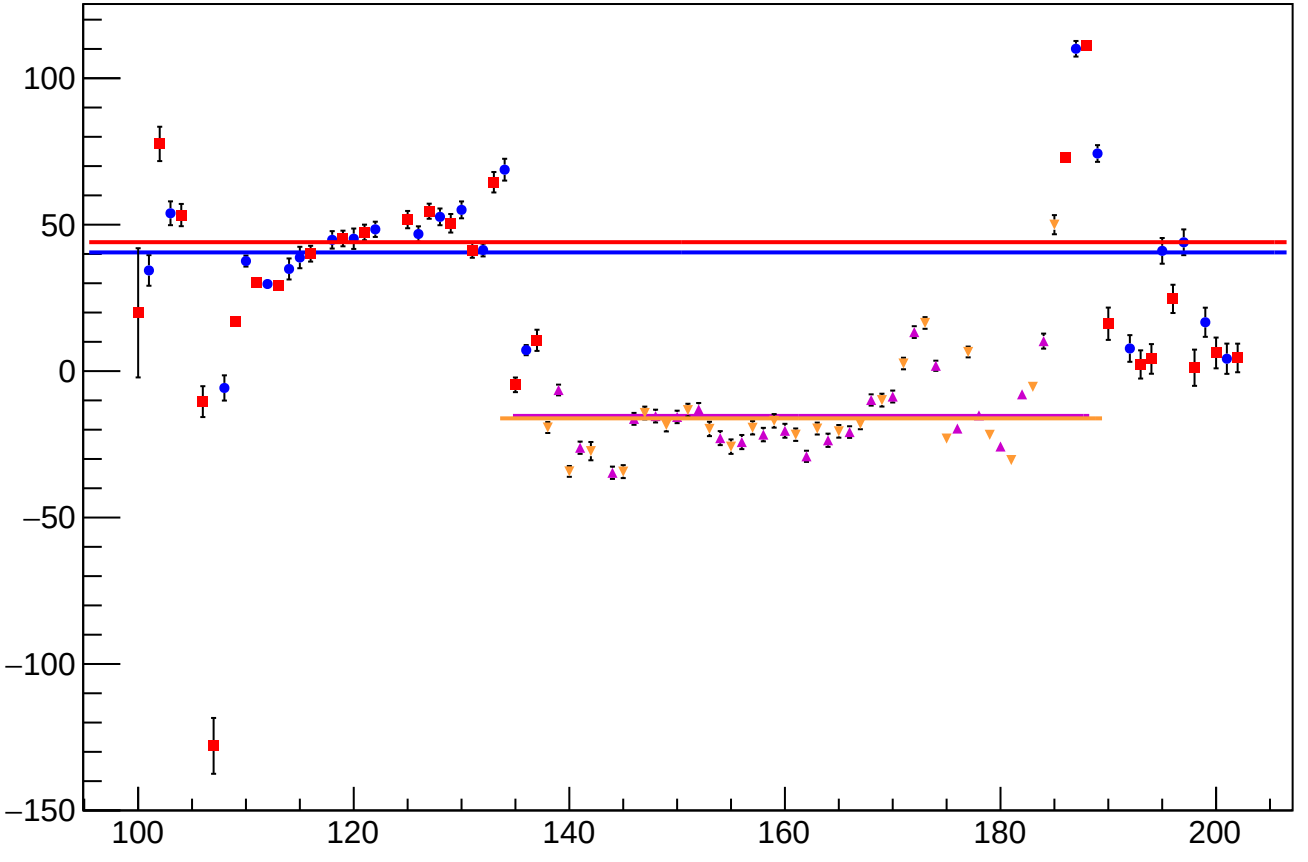
Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 2.049+/-0.012 χ^2/NDF: 1611266.4/46

All: 2.286+/-0.008 χ^2/NDF: 3165003.5/96

- sign 2.520+/-0.012 χ^2/NDF: 1552926.5/49

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 40.529+/-0.596 χ^2/NDF: 1613.4/22

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.024+/-0.530 χ^2/NDF: 4063.5/26

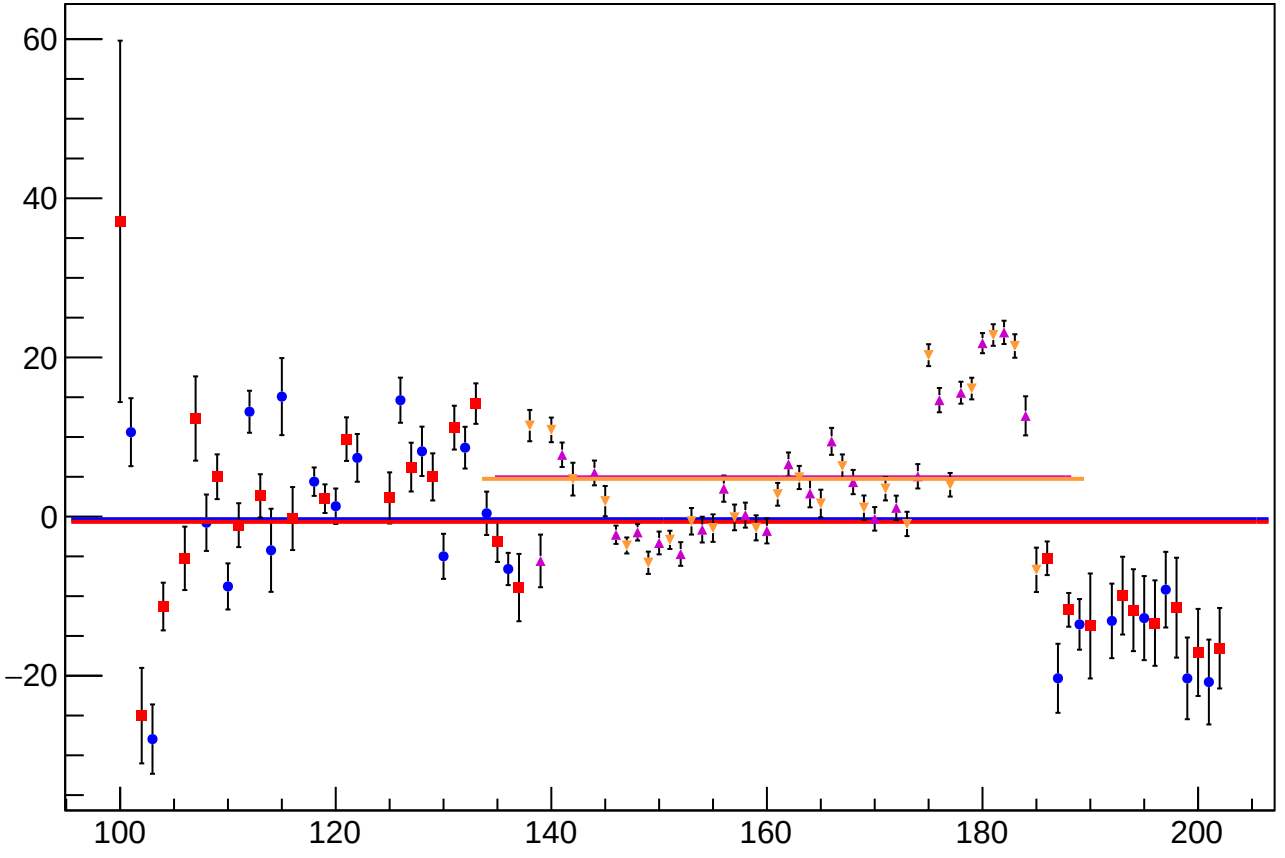
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

\+ sign 1.332+/-0.331 χ^2/NDF: 9228.1/46

All: 3.958+/-0.230 χ^2/NDF: 22100.8/96

\- sign 6.429+/-0.321 χ^2/NDF: 12750.4/49

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.327+/-0.648 χ^2/NDF: 250.6/22

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

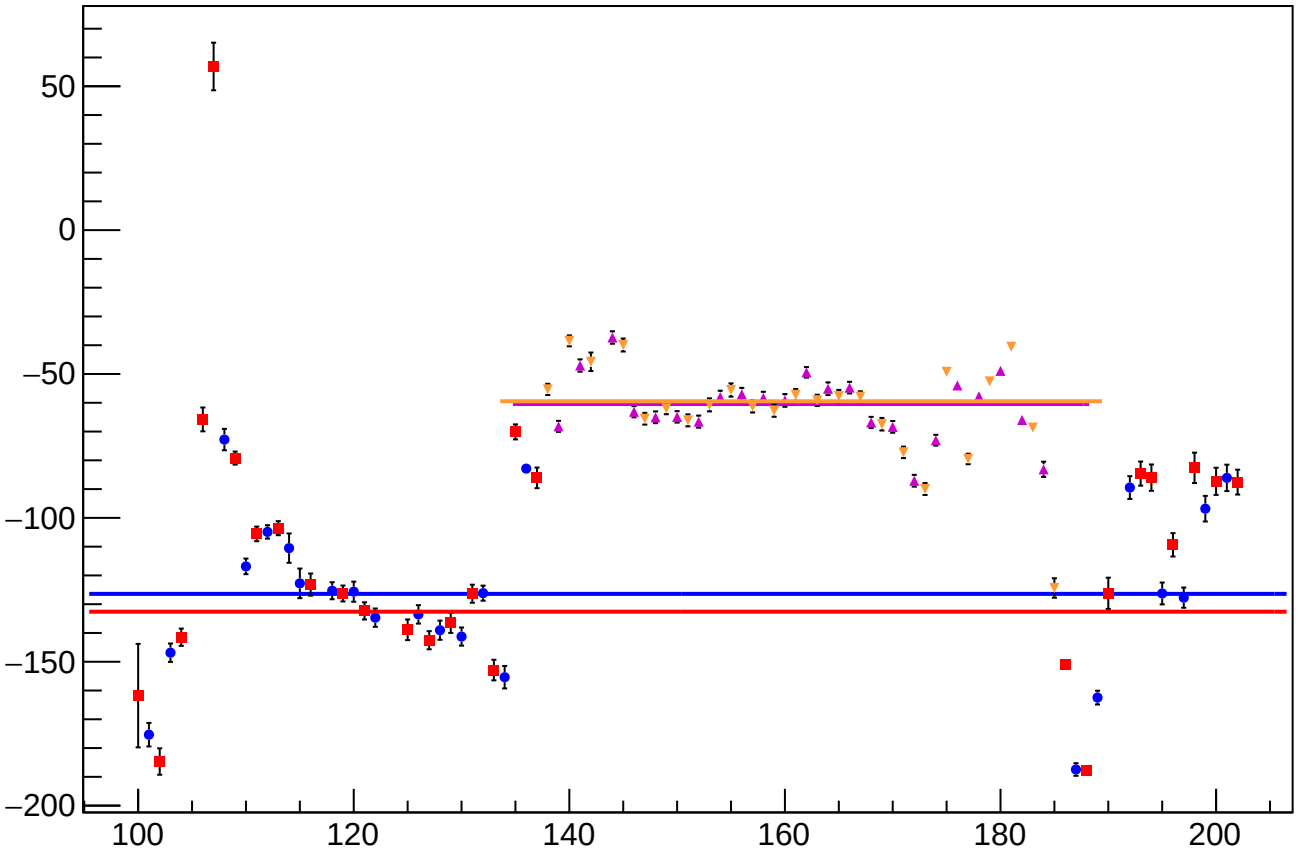
Right Out: -0.660+/-0.616 χ^2/NDF: 200.1/26

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.817+/-0.277 χ^2/NDF: 1094.4/46

All: 3.802+/-0.197 χ^2/NDF: 2048.5/96

- sign 3.787+/-0.279 χ^2/NDF: 954.1/49



Right In: -126.410+/-0.640 χ^2/NDF: 2432.6/22

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

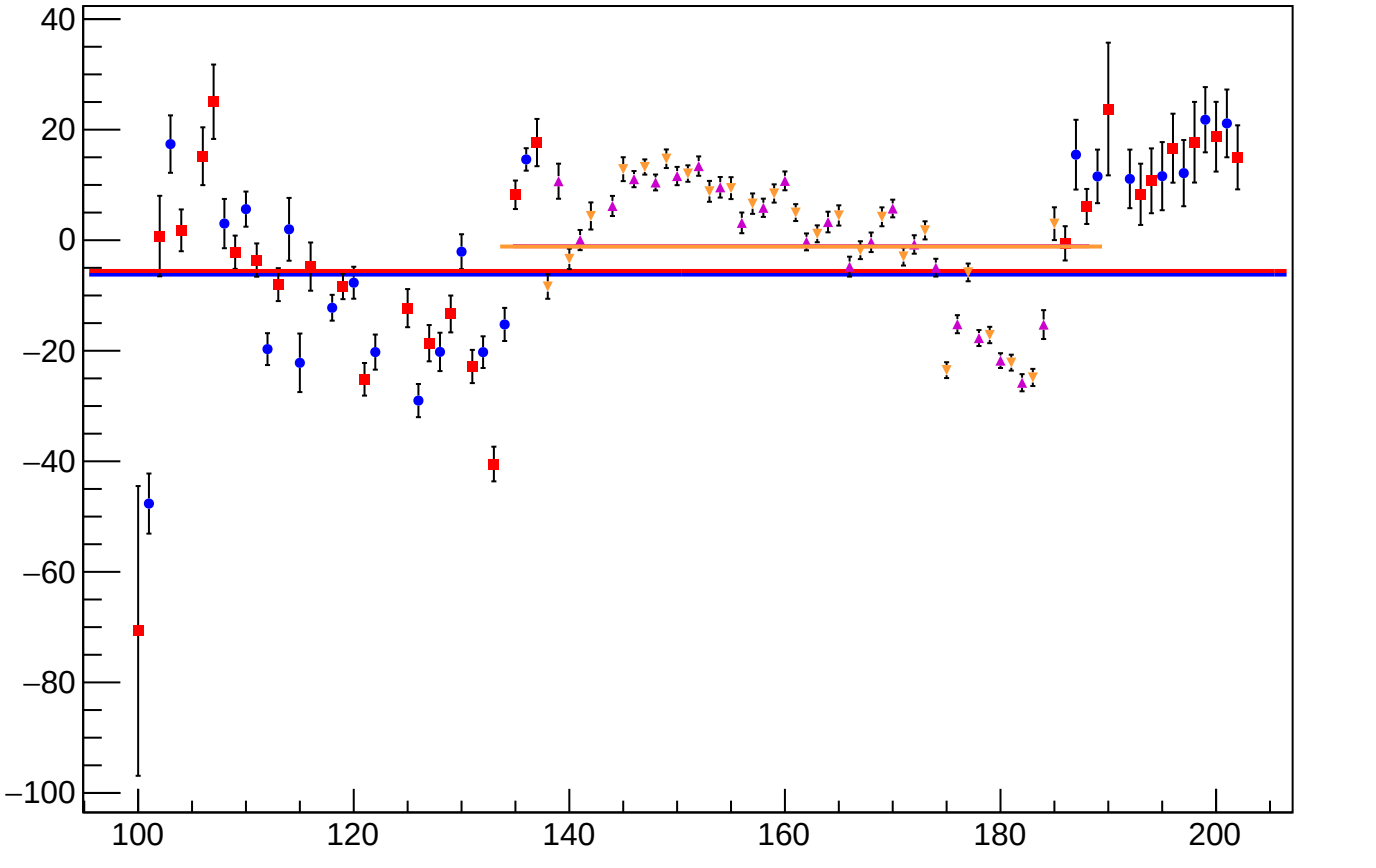
Right Out: -132.606+/-0.553 χ^2/NDF: 5315.8/26

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -77.931+/-0.336 χ^2/NDF: 11722.6/46

All: -81.678+/-0.233 χ^2/NDF: 29126.4/96

\- sign -85.159+/-0.324 χ^2/NDF: 17164.0/49



Right In: -6.217+/-0.747 χ^2/NDF: 466.5/22

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

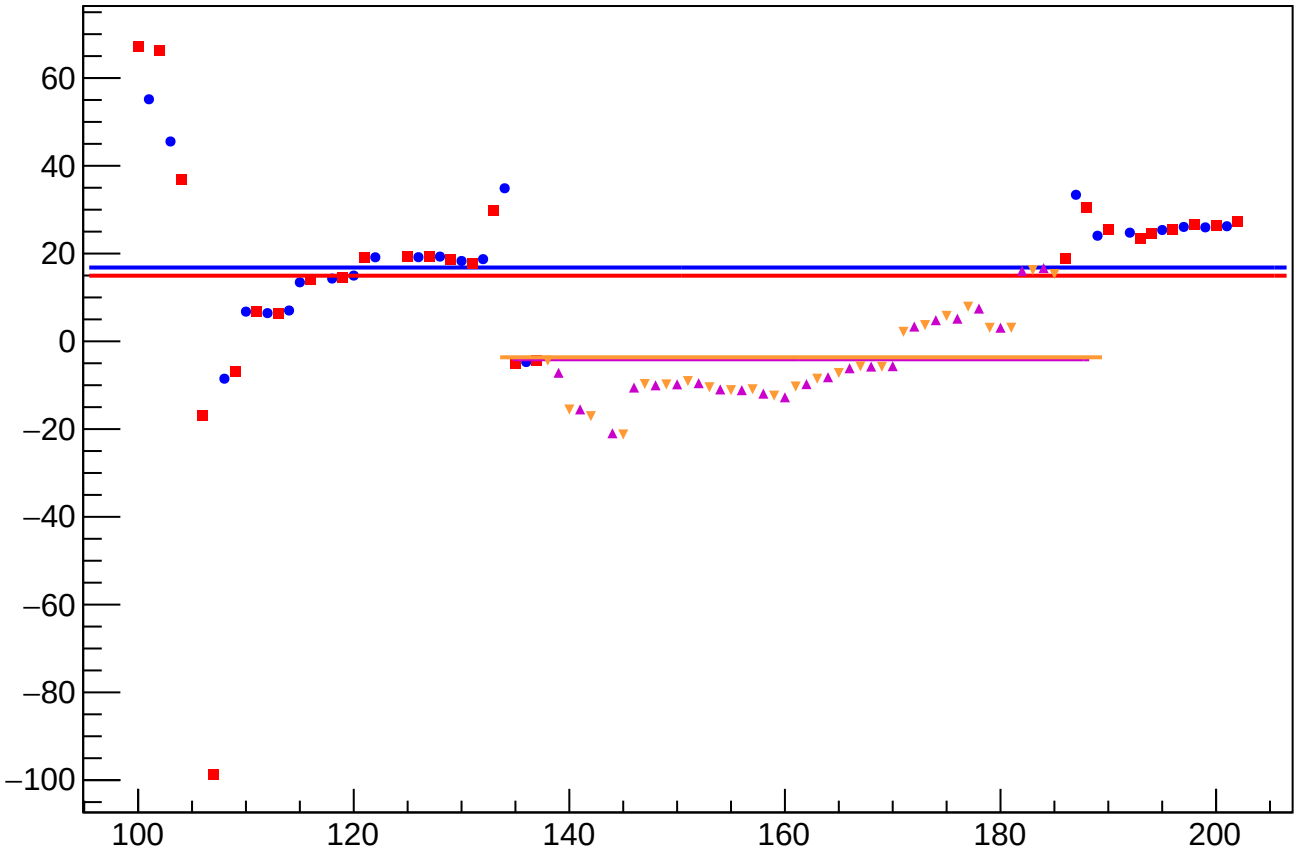
Right Out: -5.566+/-0.727 χ^2/NDF: 421.8/26

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.039+/-0.314 χ^2/NDF: 1807.5/46

All: -1.987+/-0.223 χ^2/NDF: 3417.6/96

- sign -1.933+/-0.317 χ^2/NDF: 1610.1/49



Right In: 16.819+/-0.039 χ^2/NDF: 204894.7/22

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

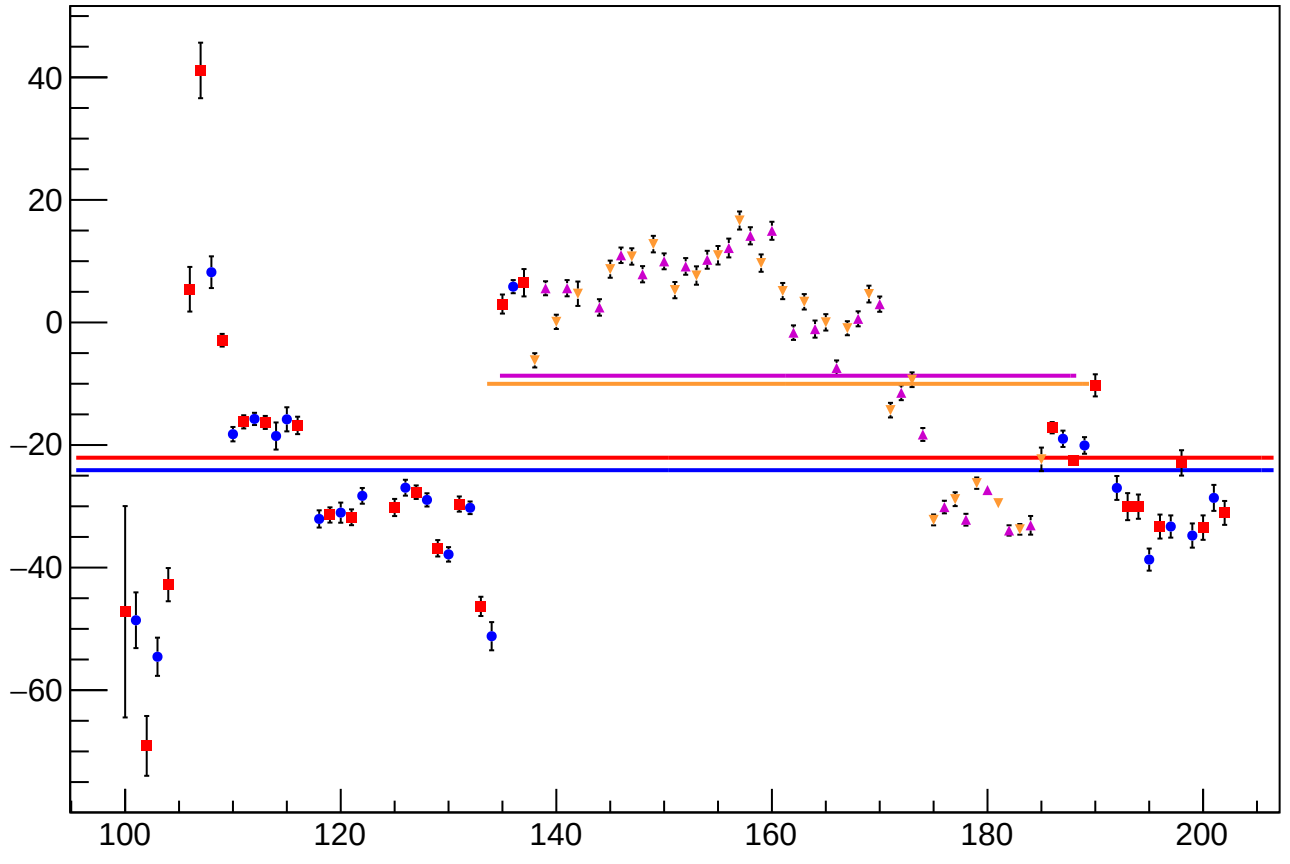
Right Out: 14.955+/-0.038 χ^2/NDF: 338267.9/26

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -0.809+/-0.014 χ^2/NDF: 793267.0/46

All: -1.085+/-0.010 χ^2/NDF: 1680973.1/96

- sign -1.363+/-0.014 χ^2/NDF: 886960.9/49



Right In: -24.105+/-0.307 χ^2/NDF: 1724.1/22

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

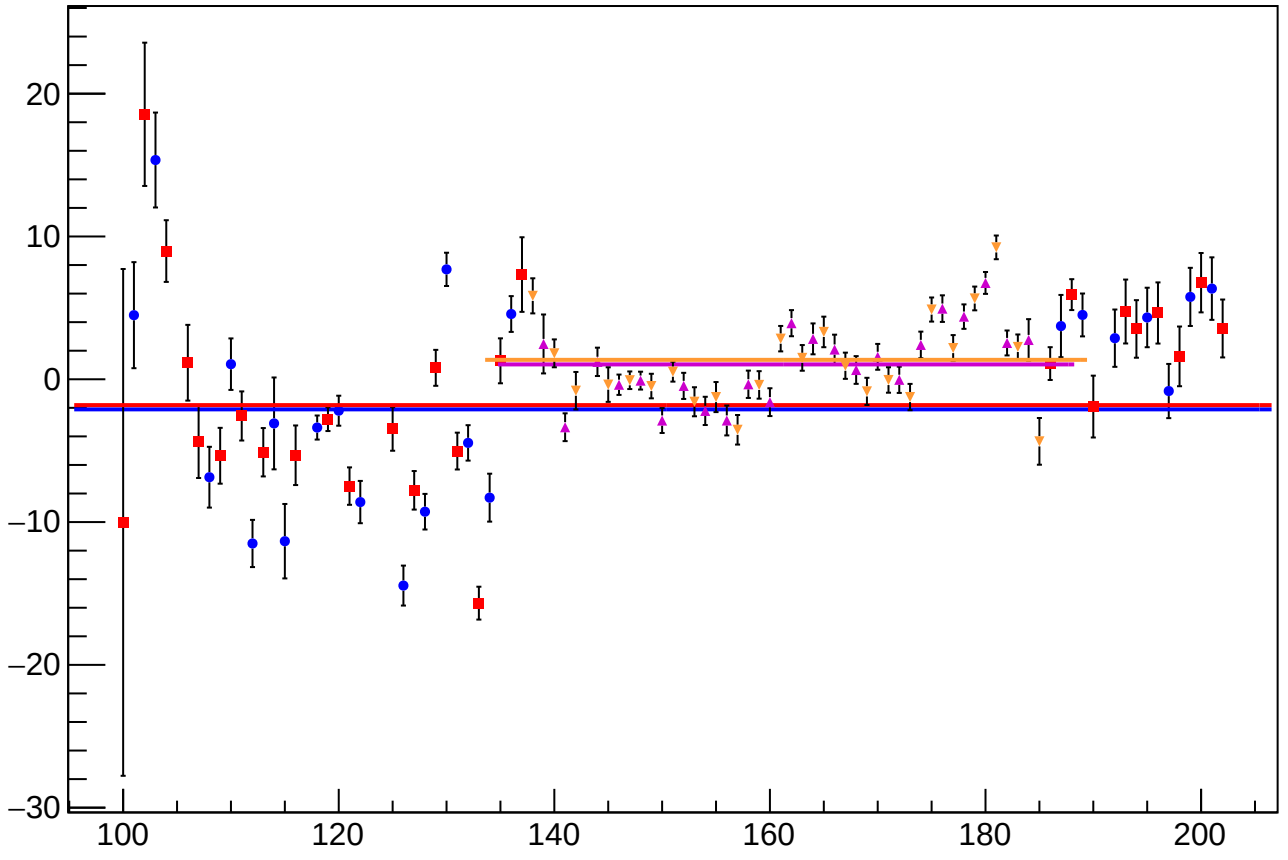
Right Out: -22.069+/-0.278 χ^2/NDF: 2003.0/26

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -15.475+/-0.191 χ^2/NDF: 7991.1/46

All: -15.026+/-0.133 χ^2/NDF: 16317.1/96

- sign -14.606+/-0.185 χ^2/NDF: 8315.4/49



Right In: -2.107+/-0.325 χ^2/NDF: 405.0/22

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

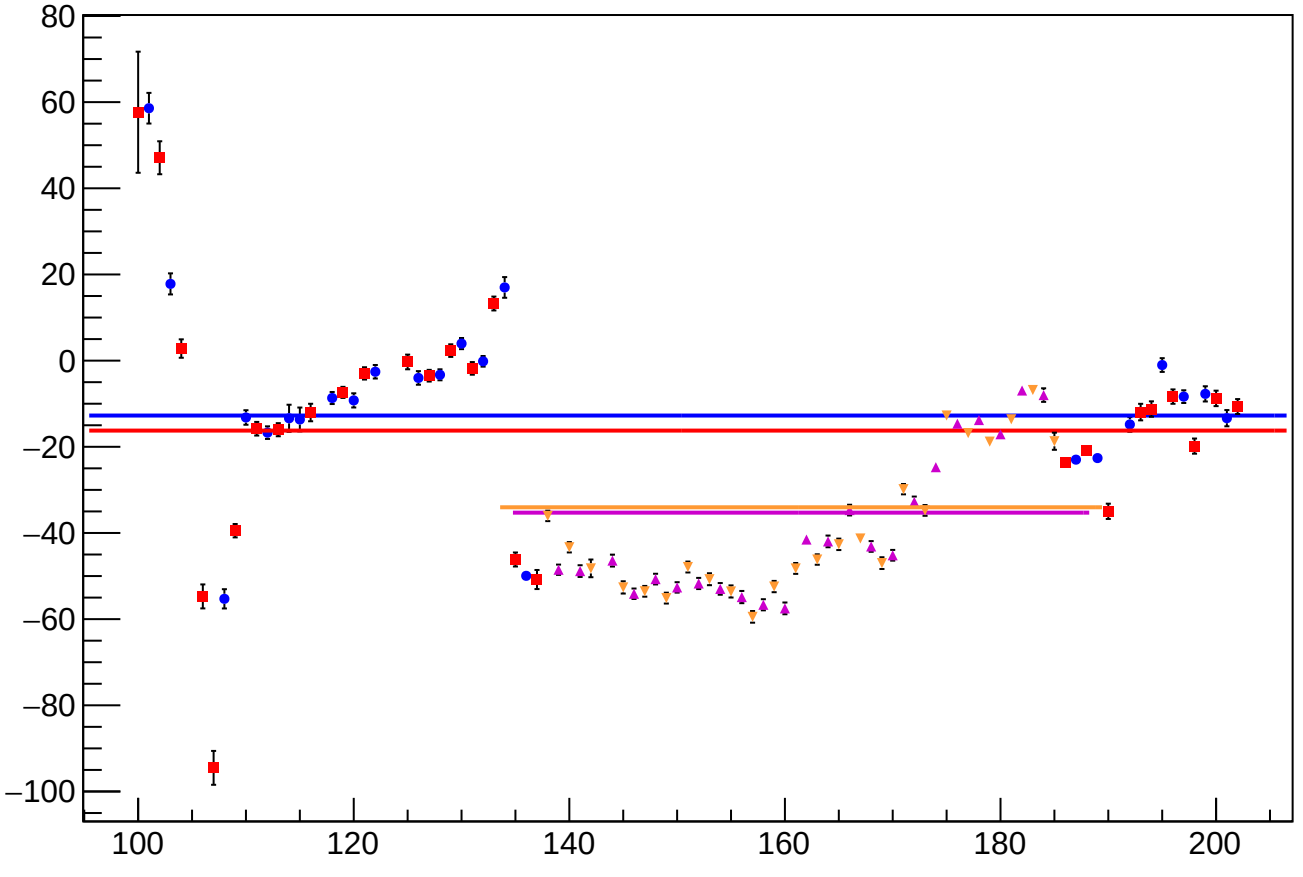
Right Out: -1.810+/-0.309 χ^2/NDF: 375.7/26

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.489+/-0.163 χ^2/NDF: 730.6/46

All: 0.367+/-0.115 χ^2/NDF: 1364.8/96

- sign 0.245+/-0.163 χ^2/NDF: 633.1/49



Right In: -12.744+/-0.325 χ^2/NDF: 2904.9/22

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

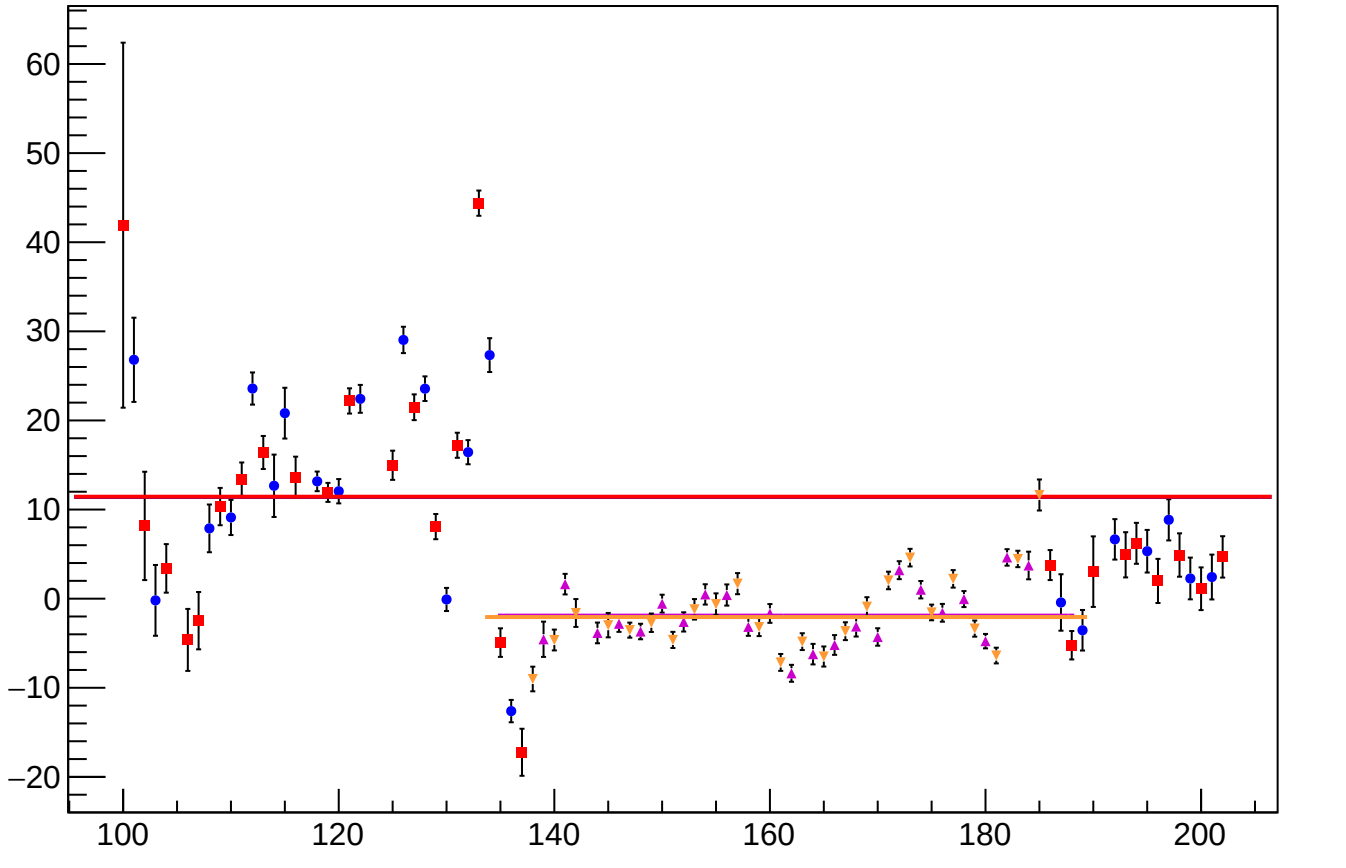
Right Out: -16.235+/-0.283 χ^2/NDF: 3020.2/26

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -26.430+/-0.194 χ^2/NDF: 10623.6/46

All: -26.781+/-0.134 χ^2/NDF: 21236.5/96

\- sign -27.100+/-0.185 χ^2/NDF: 10606.7/49



Right In: 11.411+/-0.378 χ^2/NDF: 976.5/22

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

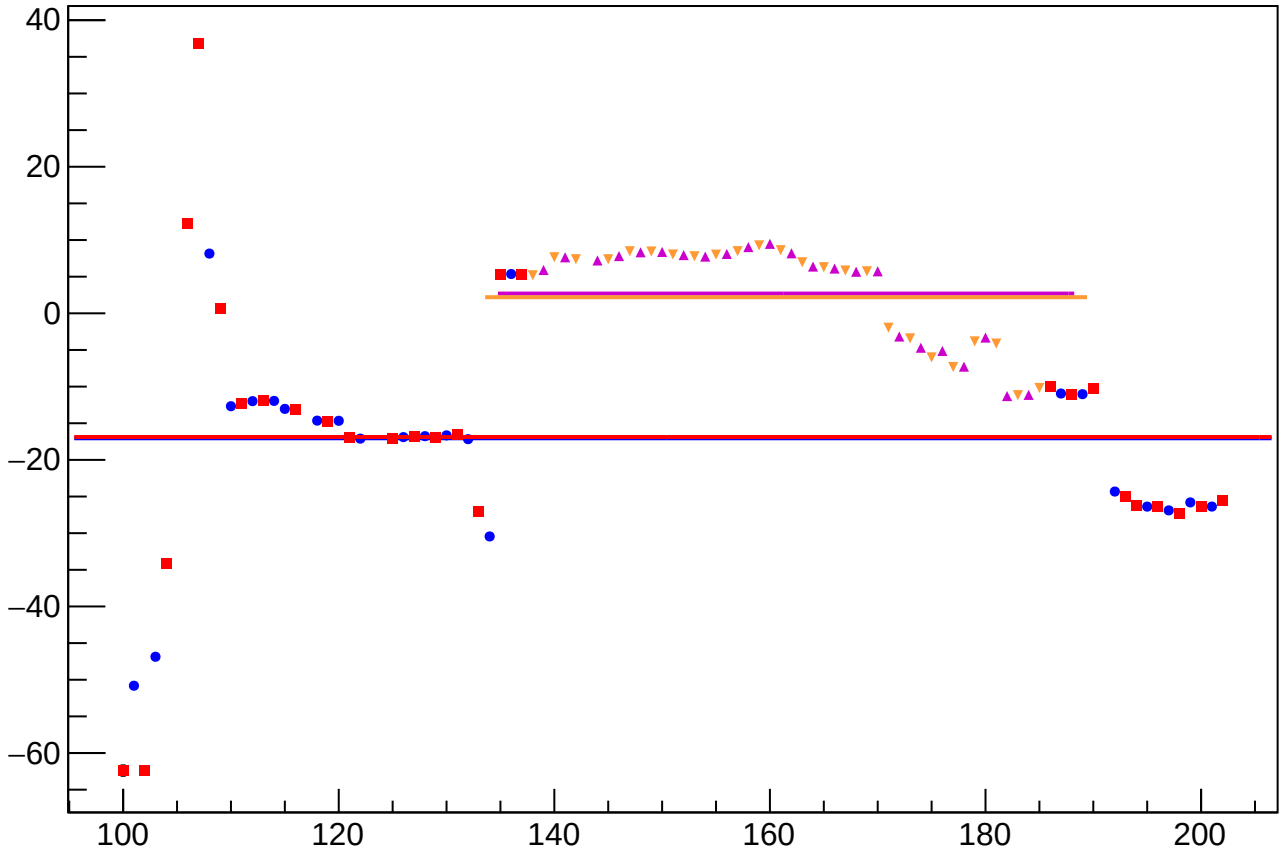
Right Out: 11.440+/-0.366 χ^2/NDF: 1152.8/26

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.169+/-0.185 χ^2/NDF: 2275.4/46

All: 1.354+/-0.131 χ^2/NDF: 4636.2/96

- sign 1.541+/-0.186 χ^2/NDF: 2358.9/49



Right In: -17.050+/-0.020 χ^2/NDF: 487375.1/22

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -16.880+/-0.019 χ^2/NDF: 572710.7/26

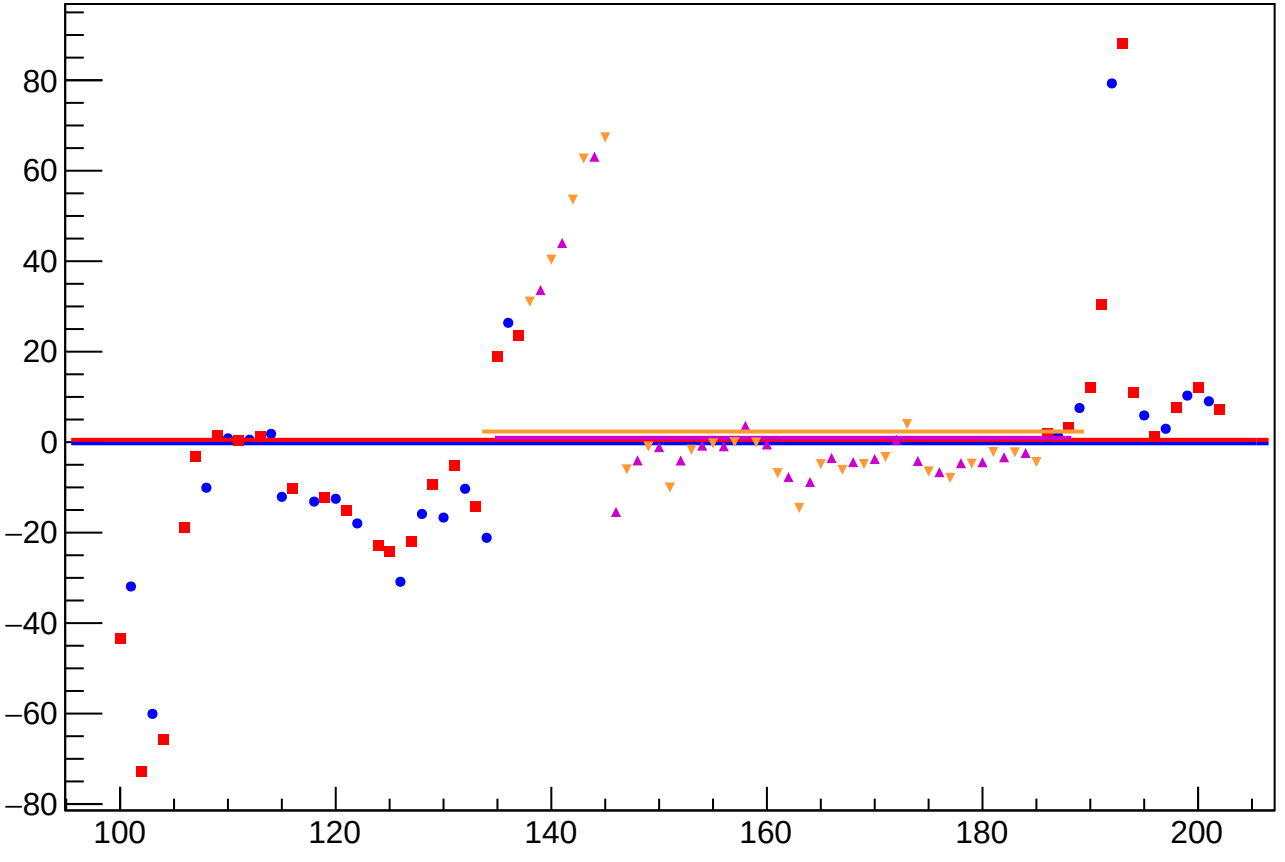
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -1.430+/-0.009 χ^2/NDF: 1770365.8/46

All: -1.369+/-0.006 χ^2/NDF: 3700642.7/96

\- sign -1.309+/-0.009 χ^2/NDF: 1930176.6/49

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -0.249+/-0.045 χ^2/NDF: 117249.6/22

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

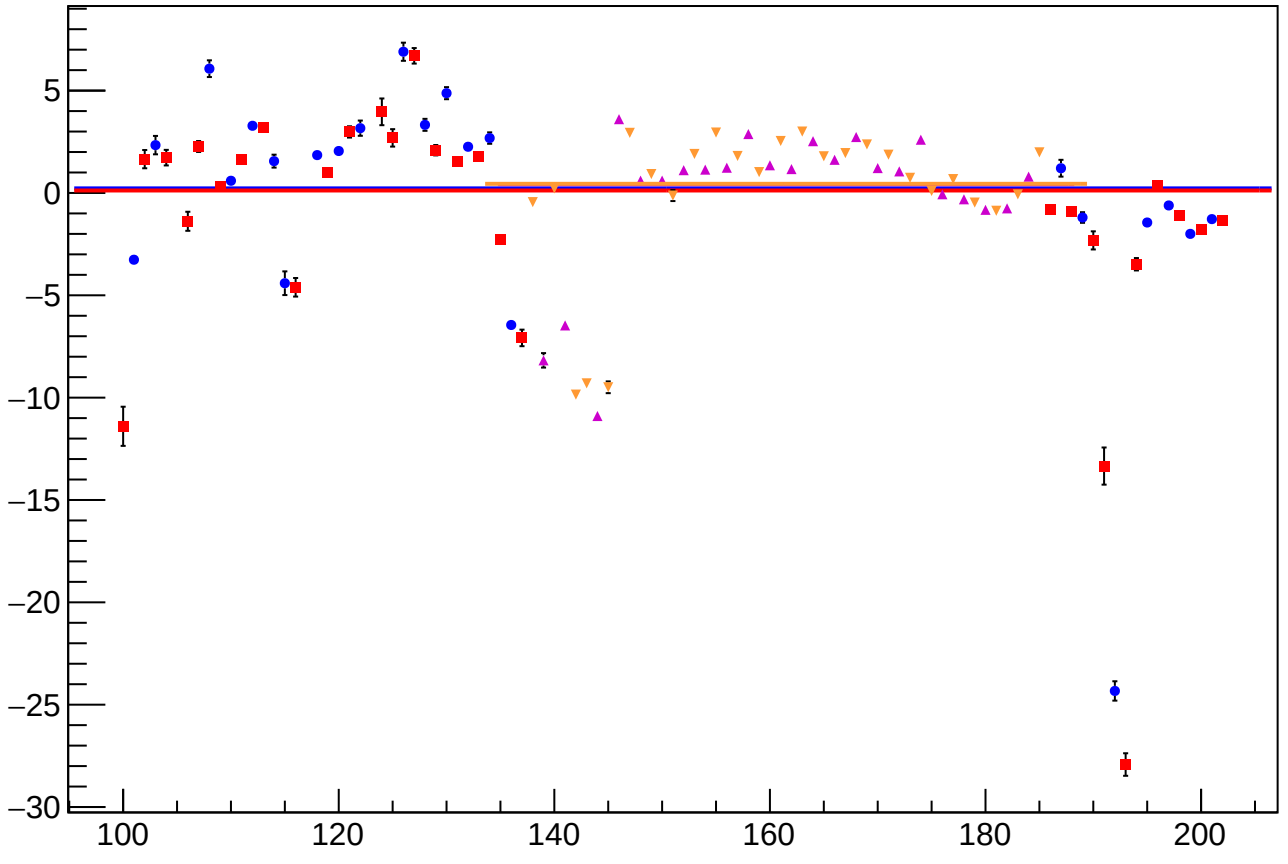
Right Out: 0.518+/-0.038 χ^2/NDF: 119544.6/28

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.195+/-0.030 χ^2/NDF: 296067.1/47

All: 0.939+/-0.020 χ^2/NDF: 548328.5/99

- sign 0.725+/-0.027 χ^2/NDF: 252128.2/51



Right In: 0.223+/-0.050 χ^2/NDF: 5816.8/22

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.121+/-0.046 χ^2/NDF: 5068.4/28

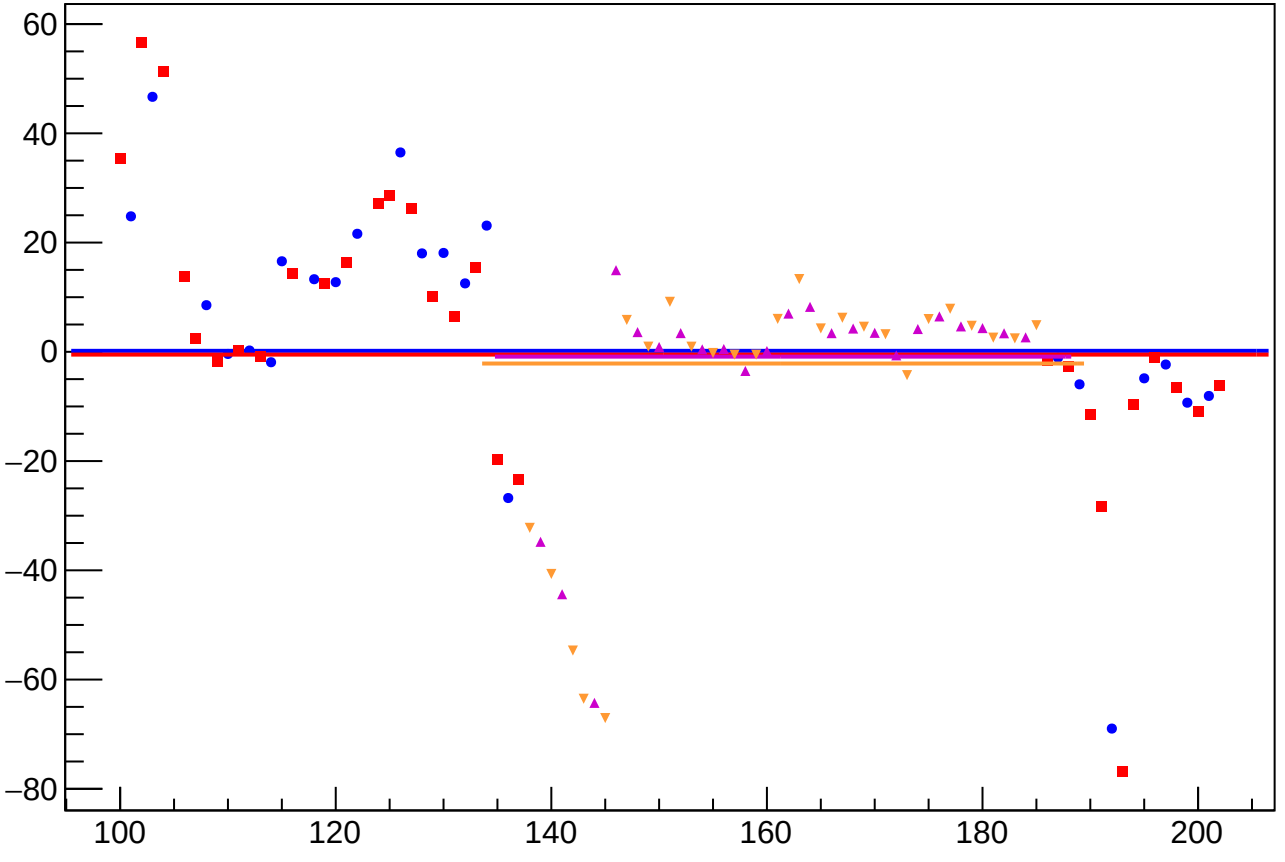
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.379+/-0.027 χ^2/NDF: 12875.0/47

All: 0.354+/-0.019 χ^2/NDF: 25077.3/99

- sign 0.331+/-0.026 χ^2/NDF: 12200.7/51

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 0.181+/-0.047 χ^2/NDF: 116510.9/22

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.510+/-0.040 χ^2/NDF: 118015.8/28

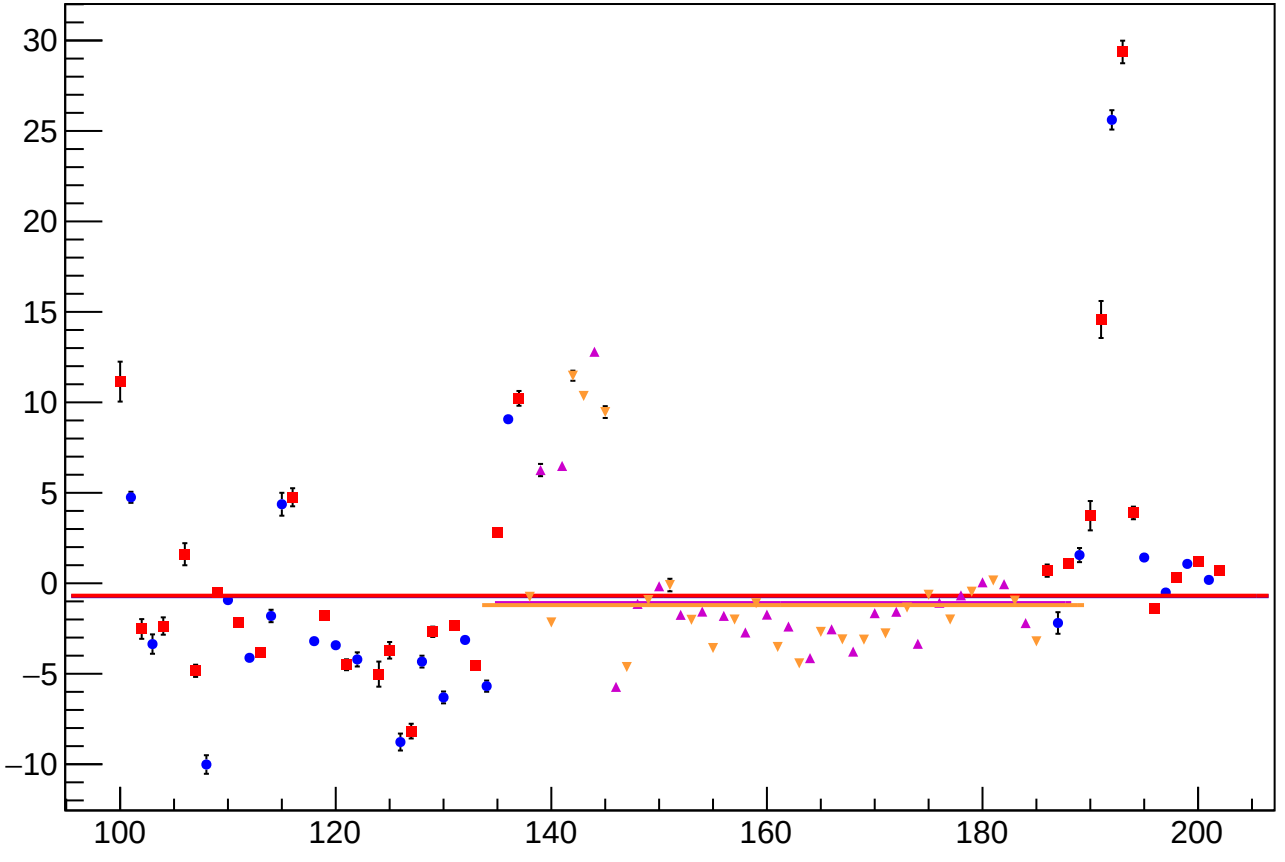
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.162+/-0.031 χ^2/NDF: 289188.5/47

All: -0.912+/-0.021 χ^2/NDF: 536569.2/99

- sign -0.700+/-0.028 χ^2/NDF: 247257.2/51

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.712+/-0.059 χ^2/NDF: 7304.9/22

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

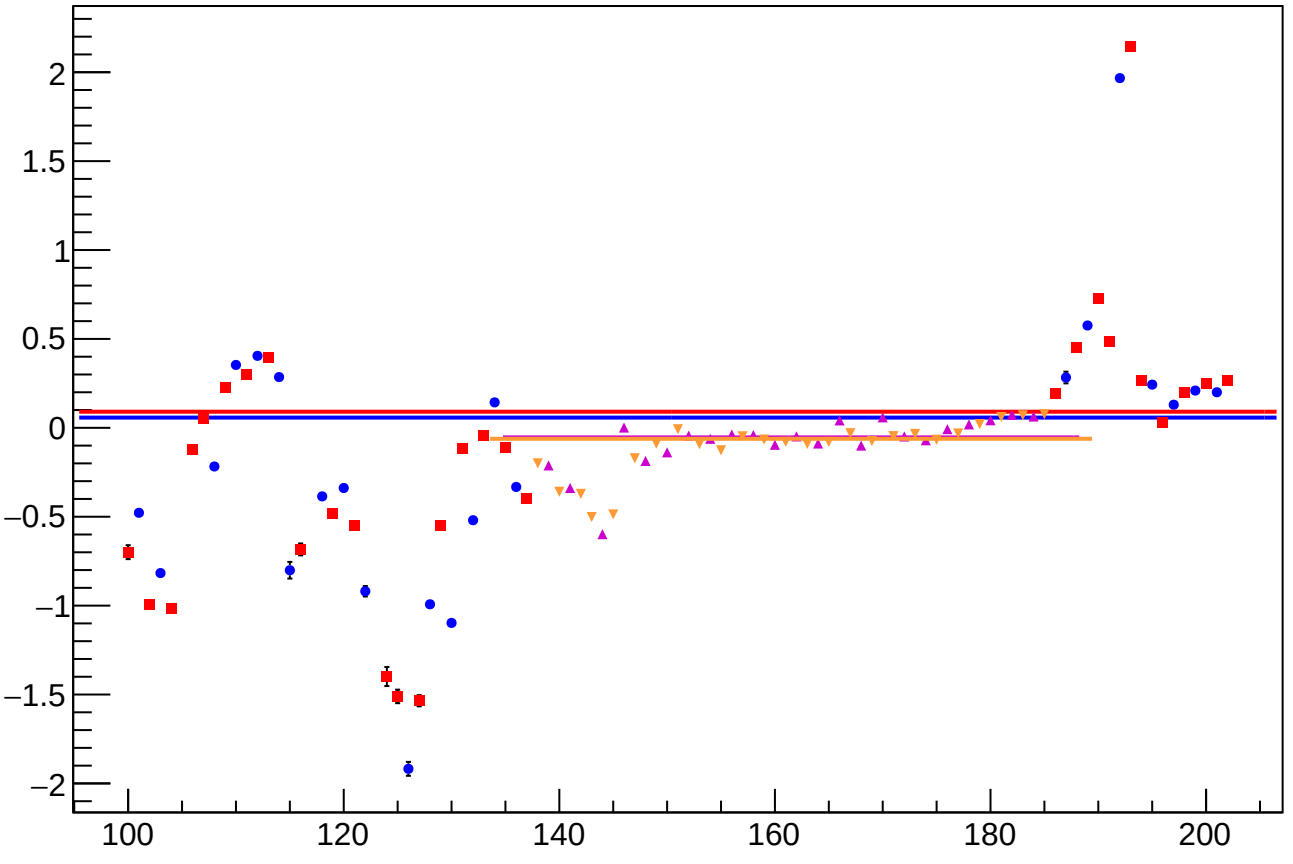
Right Out: -0.685+/-0.054 χ^2/NDF: 5600.6/28

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.070+/-0.031 χ^2/NDF: 14358.9/47

All: -1.019+/-0.021 χ^2/NDF: 27033.9/99

- sign -0.974+/-0.029 χ^2/NDF: 12670.0/51



Right In: 0.058+/-0.003 χ^2/NDF: 33590.0/22

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.091+/-0.002 χ^2/NDF: 34469.6/28

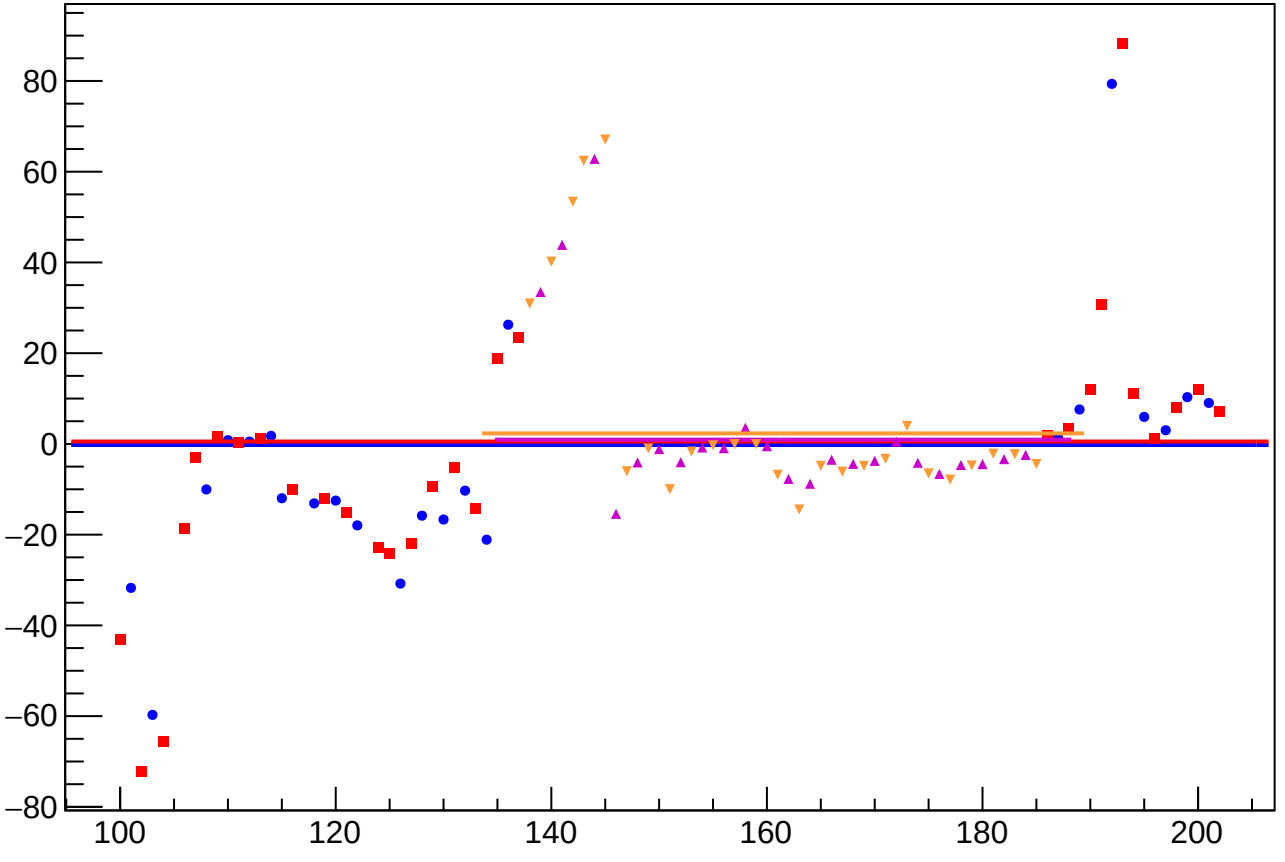
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.031+/-0.001 χ^2/NDF: 40780.4/47

All: -0.023+/-0.001 χ^2/NDF: 82825.2/99

- sign -0.016+/-0.001 χ^2/NDF: 41980.9/51

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -0.241+/-0.045 χ^2/NDF: 117667.4/22

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.530+/-0.038 χ^2/NDF: 120042.0/28

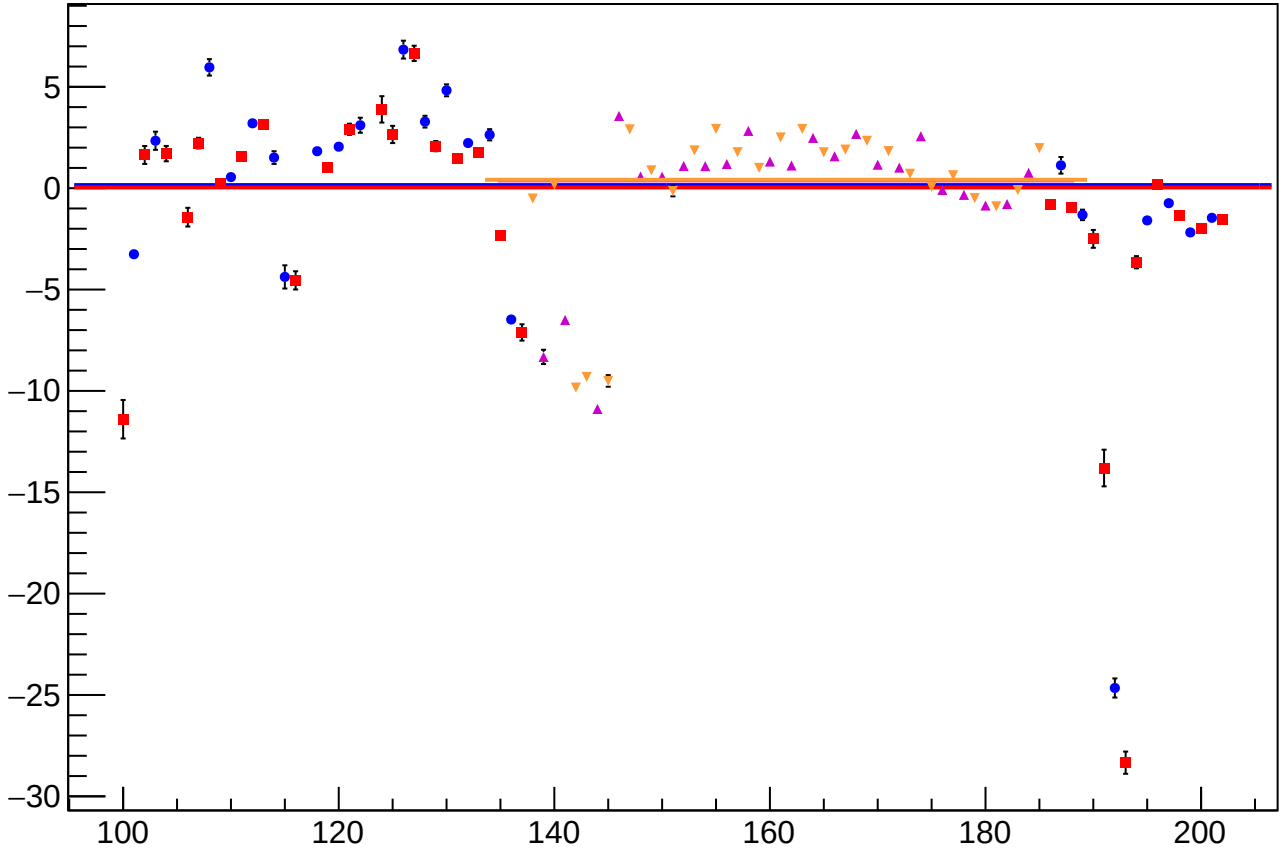
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.182+/-0.030 χ^2/NDF: 296218.1/47

All: 0.930+/-0.020 χ^2/NDF: 548850.4/99

- sign 0.720+/-0.027 χ^2/NDF: 252502.2/51

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.153+/-0.050 χ^2/NDF: 5948.0/22

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.038+/-0.046 χ^2/NDF: 5239.4/28

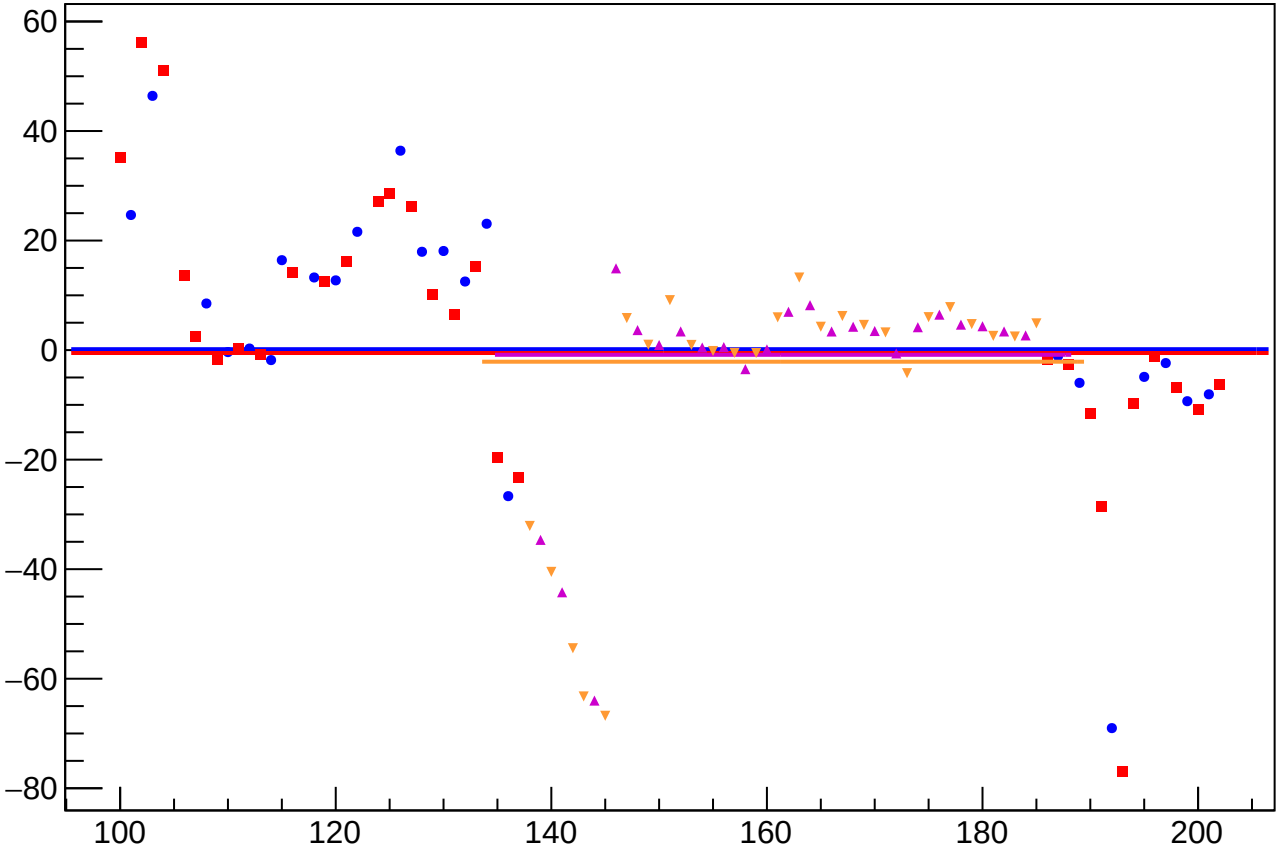
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.335+/-0.027 χ^2/NDF: 13014.3/47

All: 0.305+/-0.019 χ^2/NDF: 25410.0/99

- sign 0.278+/-0.026 χ^2/NDF: 12393.3/51

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 0.168+/-0.047 χ^2/NDF: 116913.0/22

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.529+/-0.040 χ^2/NDF: 118499.4/28

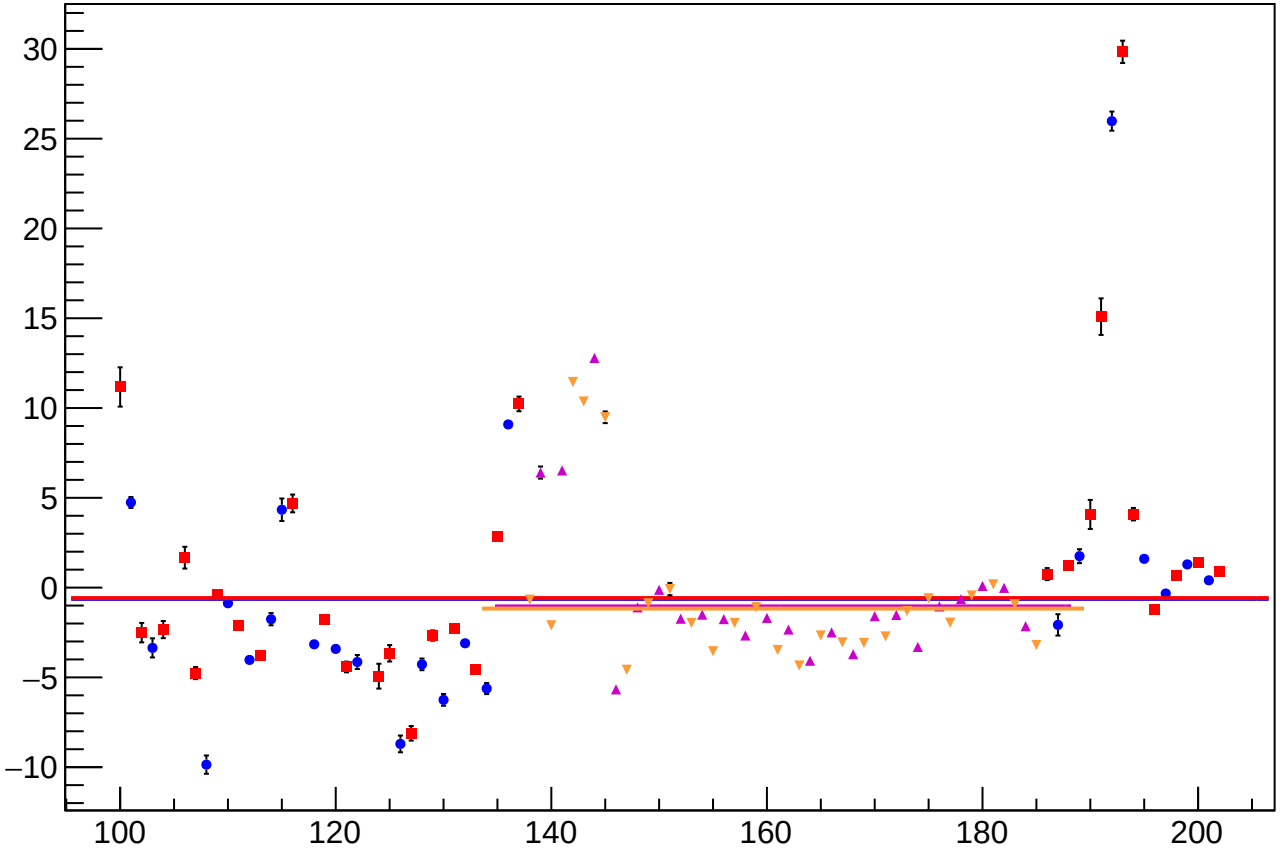
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.152+/-0.030 χ^2/NDF: 289327.2/47

All: -0.905+/-0.021 χ^2/NDF: 537067.1/99

- sign -0.697+/-0.028 χ^2/NDF: 247619.0/51

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.627+/-0.059 χ^2/NDF: 7417.0/22

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

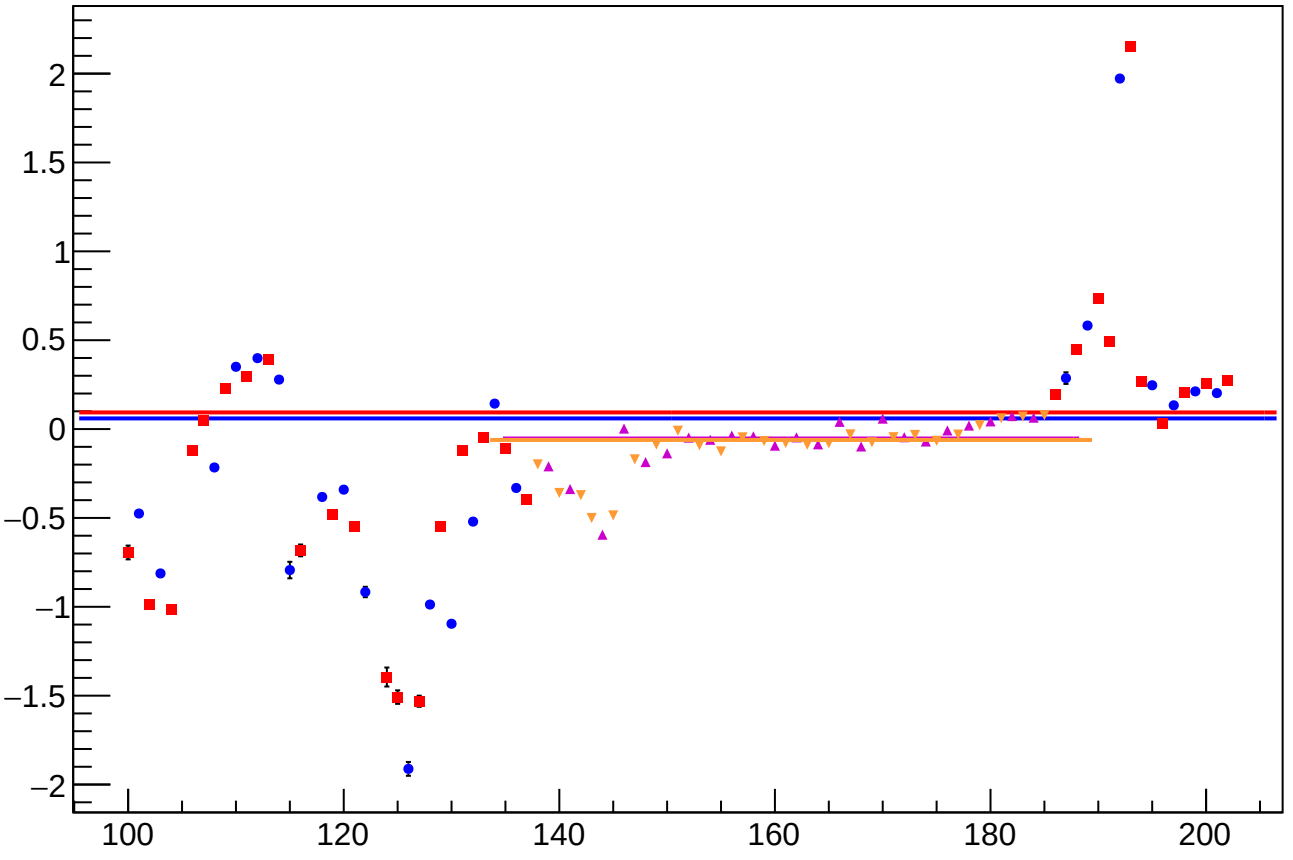
Right Out: -0.585+/-0.054 χ^2/NDF: 5760.2/28

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.018+/-0.031 χ^2/NDF: 14480.2/47

All: -0.962+/-0.021 χ^2/NDF: 27339.5/99

- sign -0.912+/-0.029 χ^2/NDF: 12853.1/51



Right In: 0.060+/-0.003 χ^2/NDF: 33861.2/22

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.094+/-0.002 χ^2/NDF: 34785.9/28

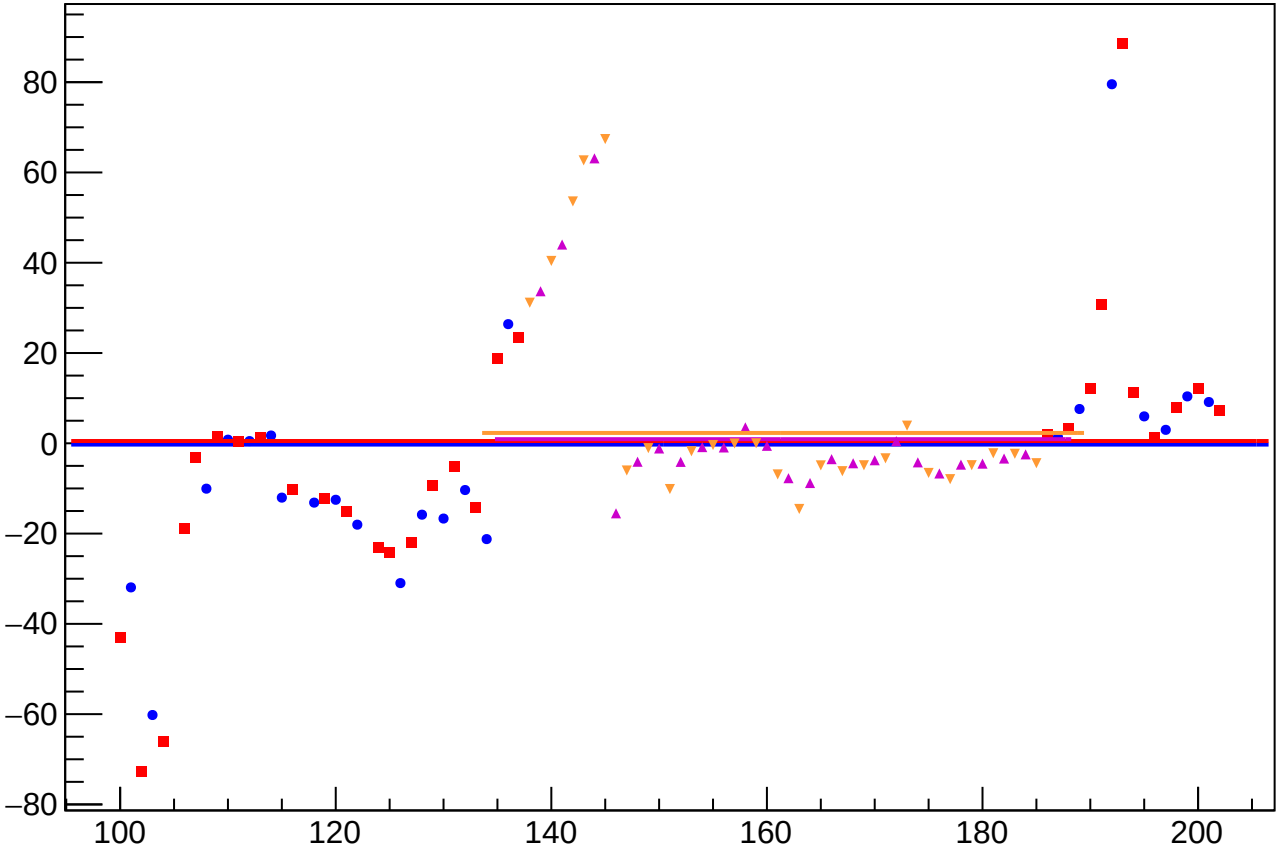
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.029+/-0.001 χ^2/NDF: 41128.8/47

All: -0.021+/-0.001 χ^2/NDF: 83566.9/99

- sign -0.014+/-0.001 χ^2/NDF: 42369.7/51

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -0.283+/-0.045 χ^2/NDF: 117691.6/22

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.507+/-0.038 χ^2/NDF: 120087.0/28

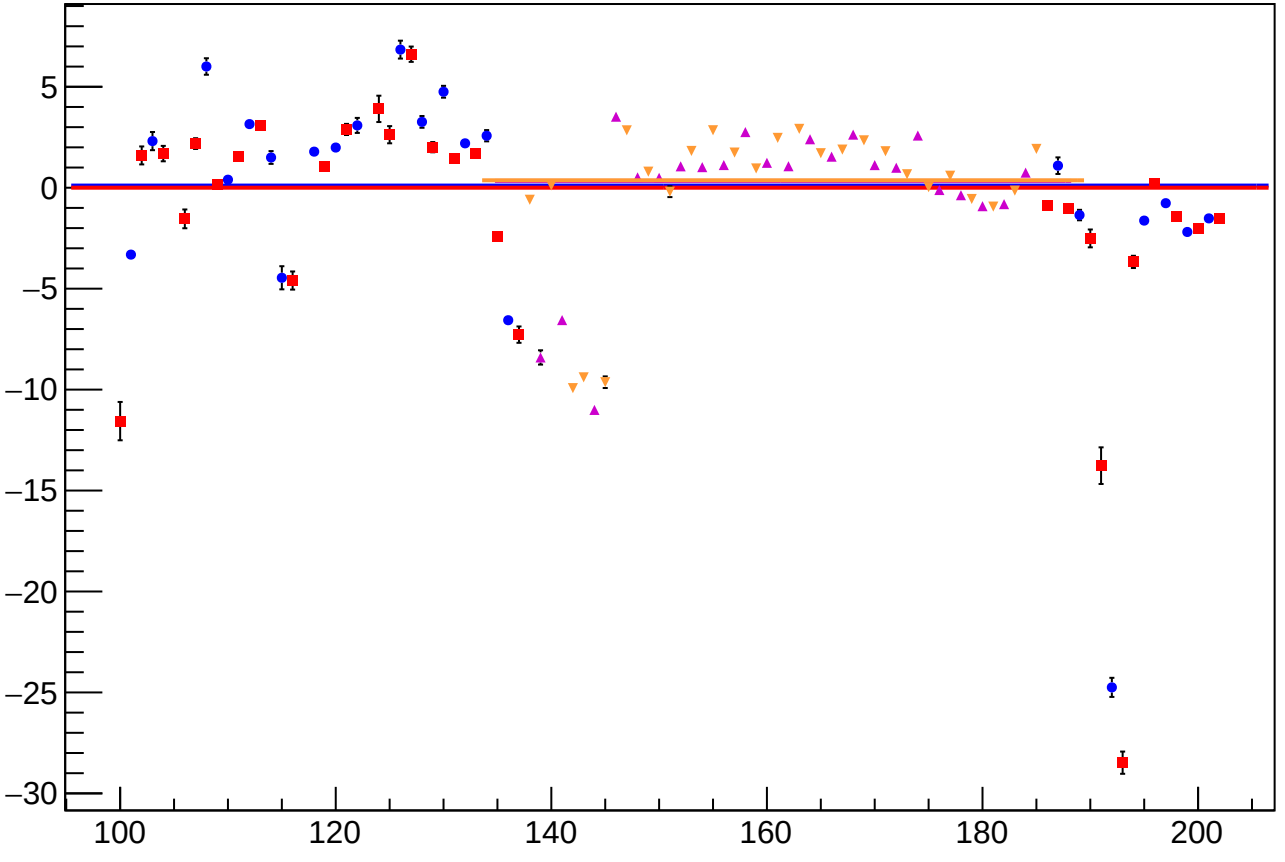
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.155+/-0.030 χ^2/NDF: 296690.2/47

All: 0.905+/-0.020 χ^2/NDF: 549531.2/99

- sign 0.698+/-0.027 χ^2/NDF: 252715.1/51

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.106+/-0.050 χ^2/NDF: 5932.2/22

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.002+/-0.046 χ^2/NDF: 5233.9/28

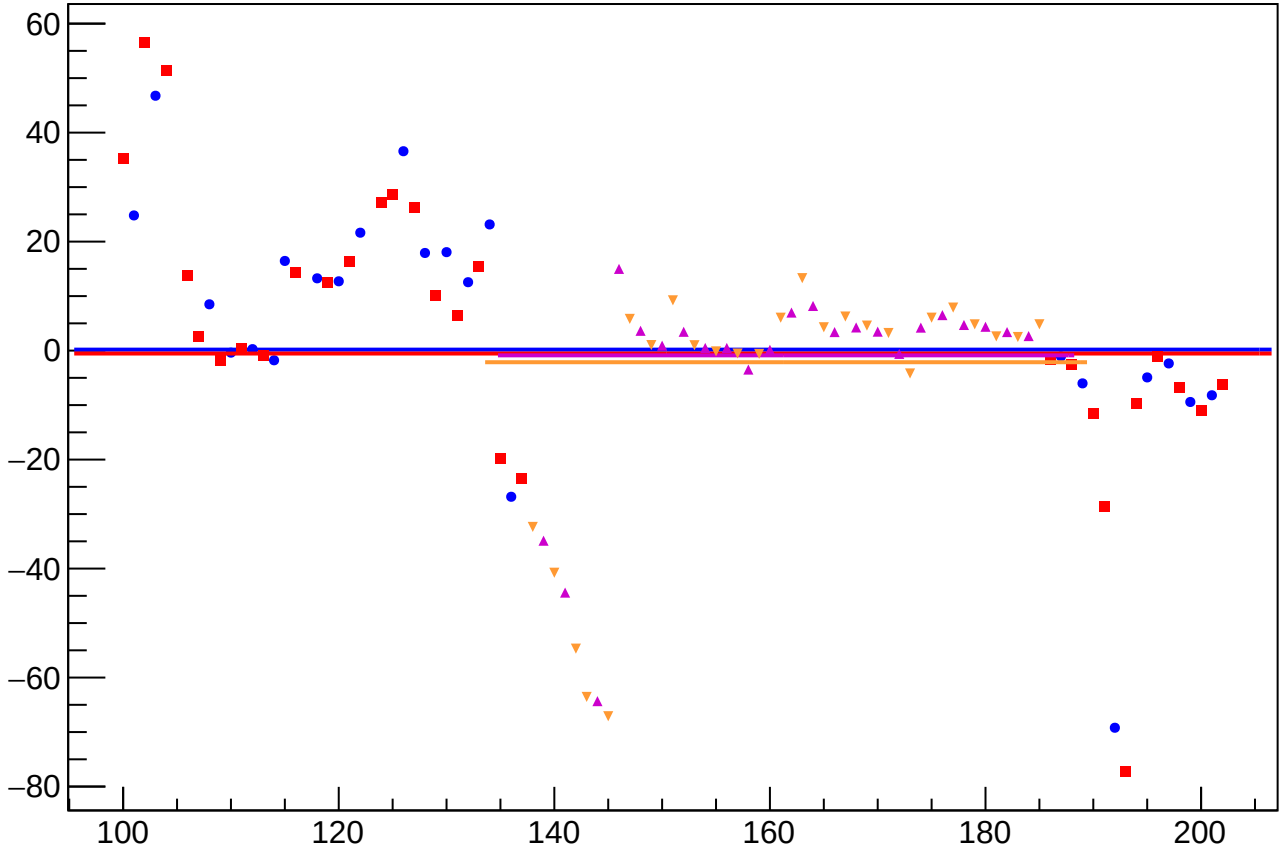
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.289+/-0.028 χ^2/NDF: 13019.1/47

All: 0.258+/-0.019 χ^2/NDF: 25385.5/99

- sign 0.231+/-0.026 χ^2/NDF: 12364.0/51

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 0.177+/-0.047 χ^2/NDF: 116952.8/22

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.537+/-0.040 χ^2/NDF: 118566.6/28

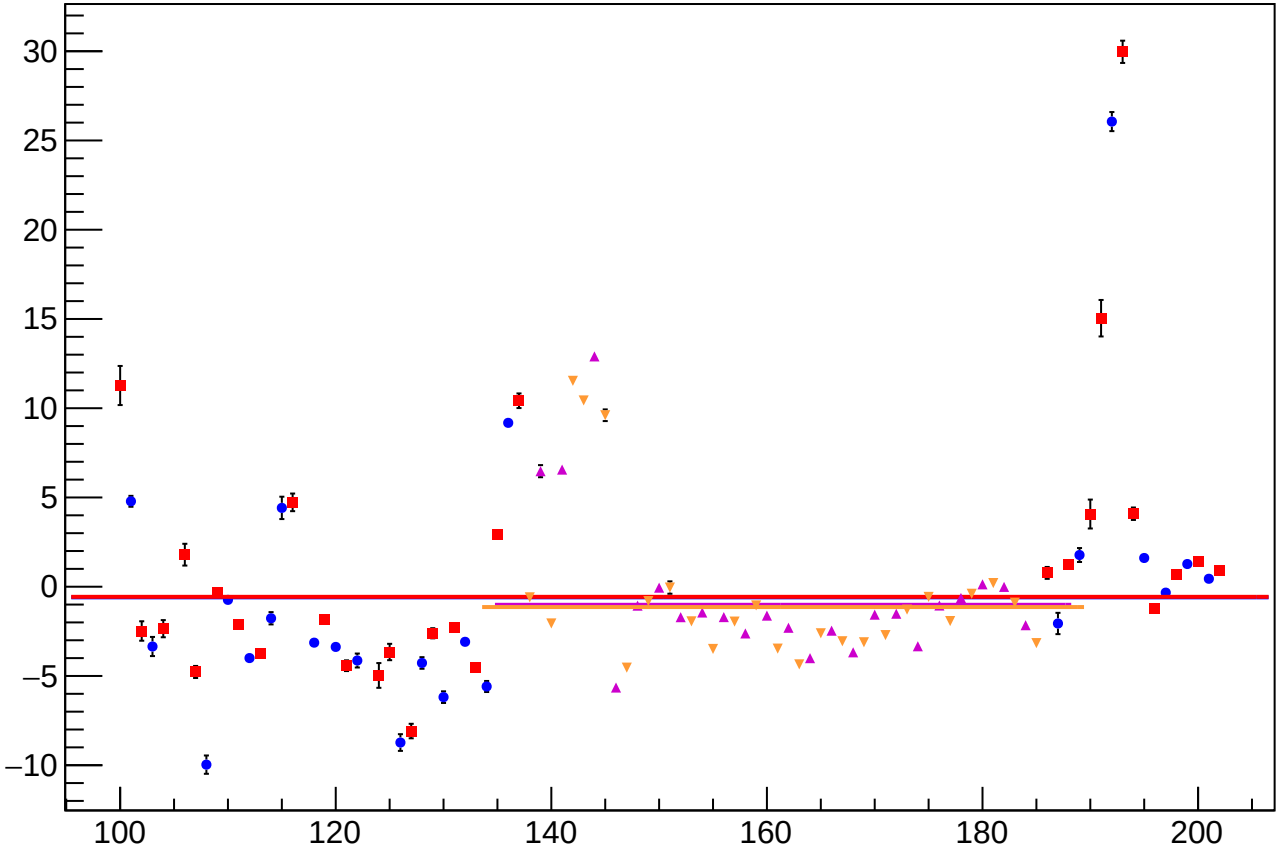
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.158+/-0.031 χ^2/NDF: 289807.5/47

All: -0.914+/-0.021 χ^2/NDF: 537790.2/99

- sign -0.708+/-0.028 χ^2/NDF: 247865.3/51

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.595+/-0.059 χ^2/NDF: 7409.6/22

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

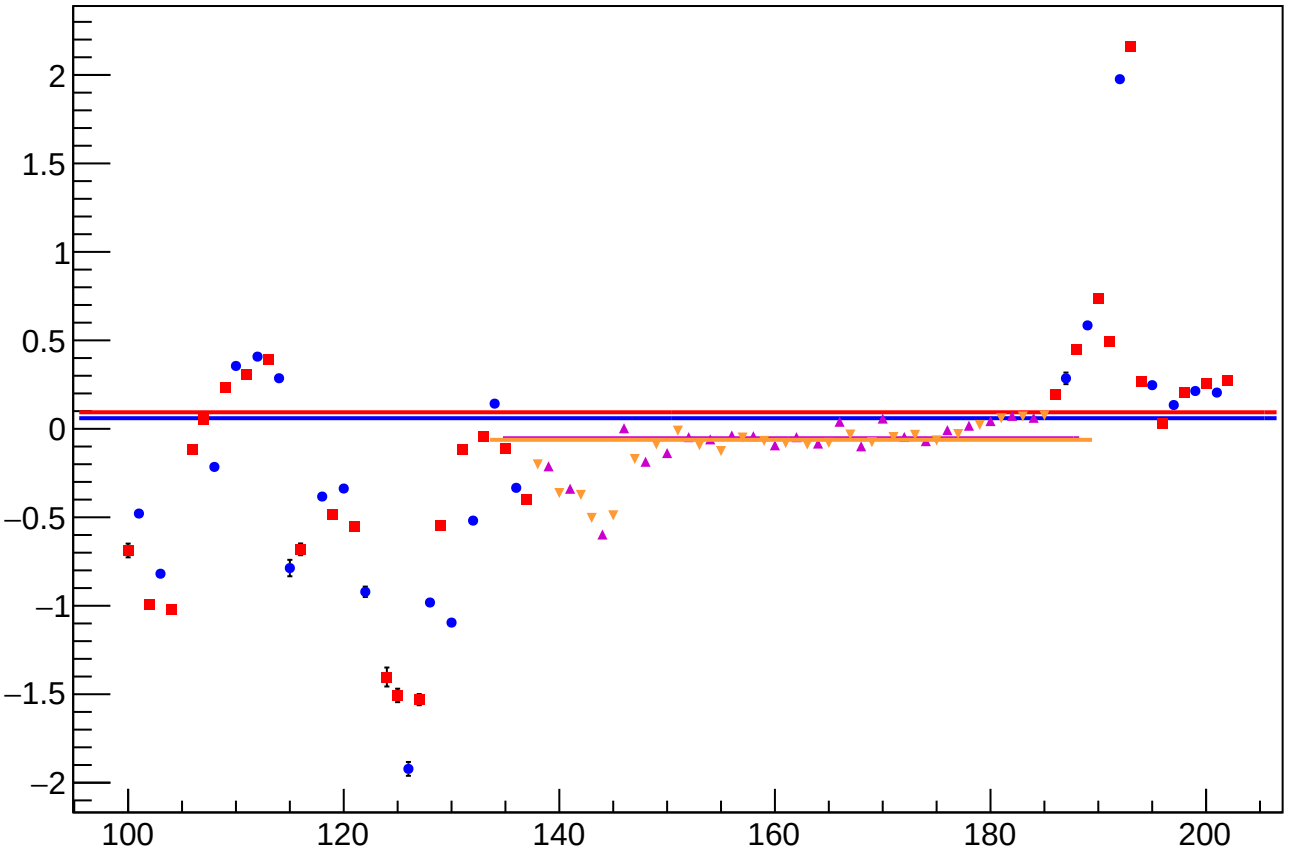
Right Out: -0.567+/-0.054 χ^2/NDF: 5766.2/28

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -0.989+/-0.031 χ^2/NDF: 14494.5/47

All: -0.933+/-0.021 χ^2/NDF: 27342.3/99

- sign -0.883+/-0.029 χ^2/NDF: 12841.5/51



Right In: 0.060+/-0.003 χ^2/NDF: 33860.4/22

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

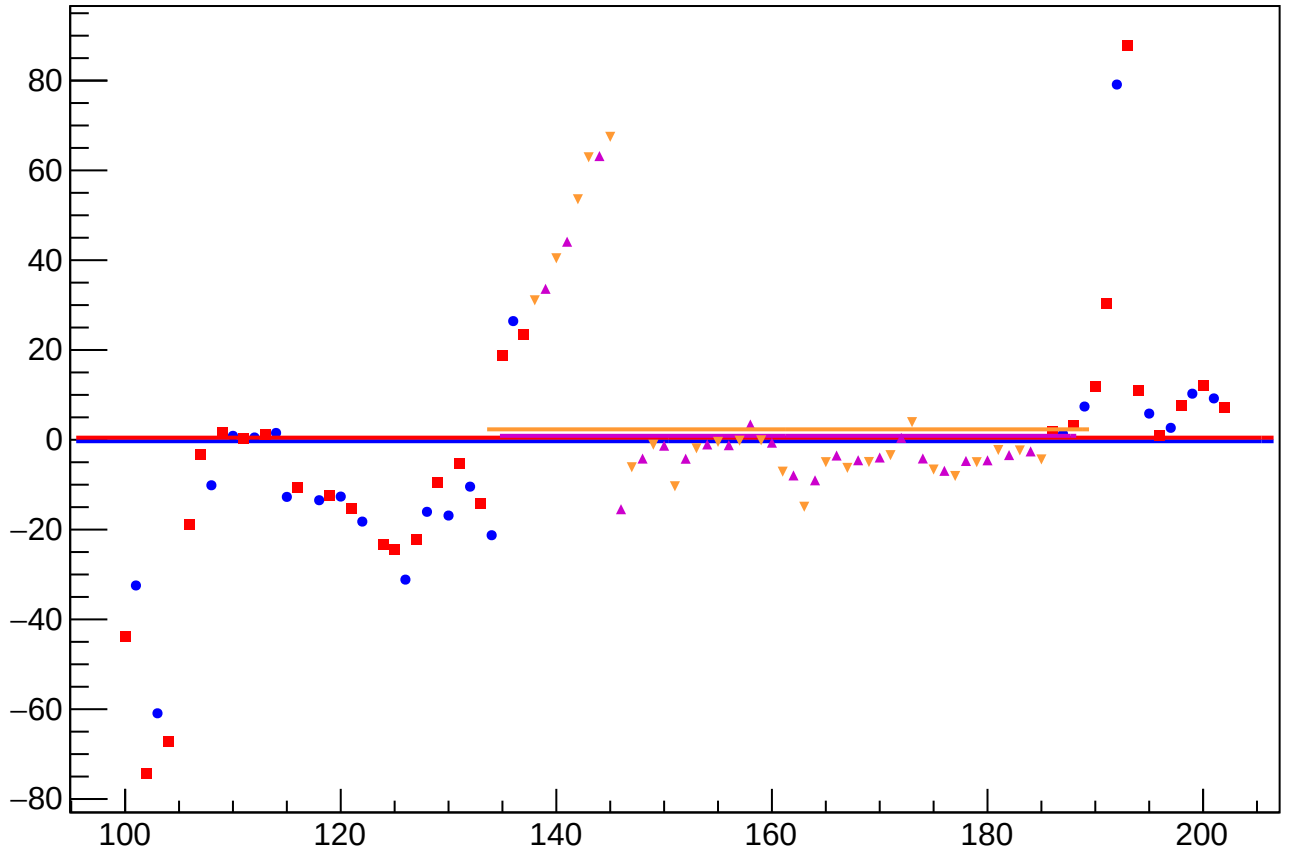
Right Out: 0.094+/-0.002 χ^2/NDF: 34746.8/28

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.030+/-0.001 χ^2/NDF: 41143.7/47

All: -0.022+/-0.001 χ^2/NDF: 83513.5/99

- sign -0.014+/-0.001 χ^2/NDF: 42297.9/51



Right In: -0.318+/-0.046 χ^2/NDF: 115889.7/22

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.476+/-0.038 χ^2/NDF: 118450.2/28

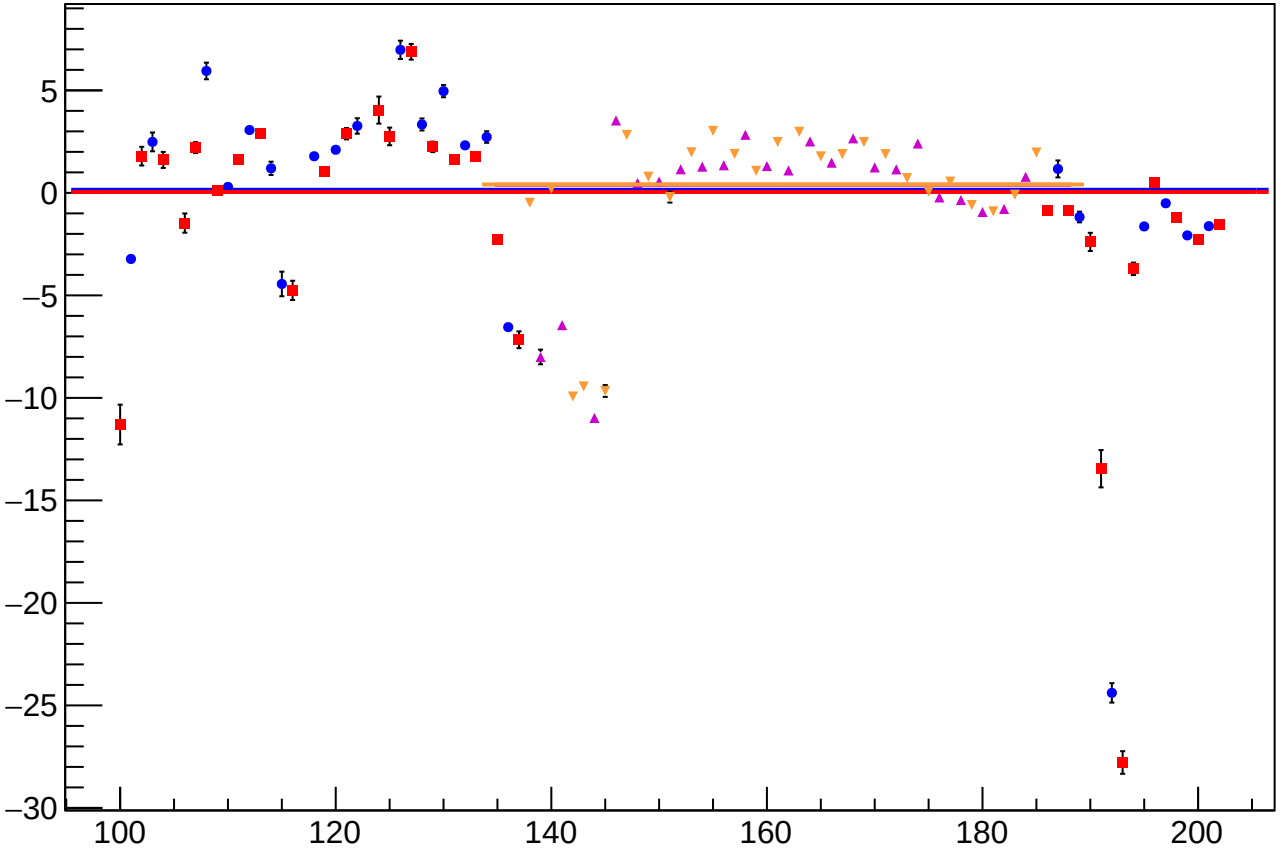
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.152+/-0.031 χ^2/NDF: 292382.7/47

All: 0.889+/-0.021 χ^2/NDF: 541440.0/99

- sign 0.669+/-0.028 χ^2/NDF: 248921.3/51

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.150+/-0.051 χ^2/NDF: 5777.0/22

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.045+/-0.047 χ^2/NDF: 5036.7/28

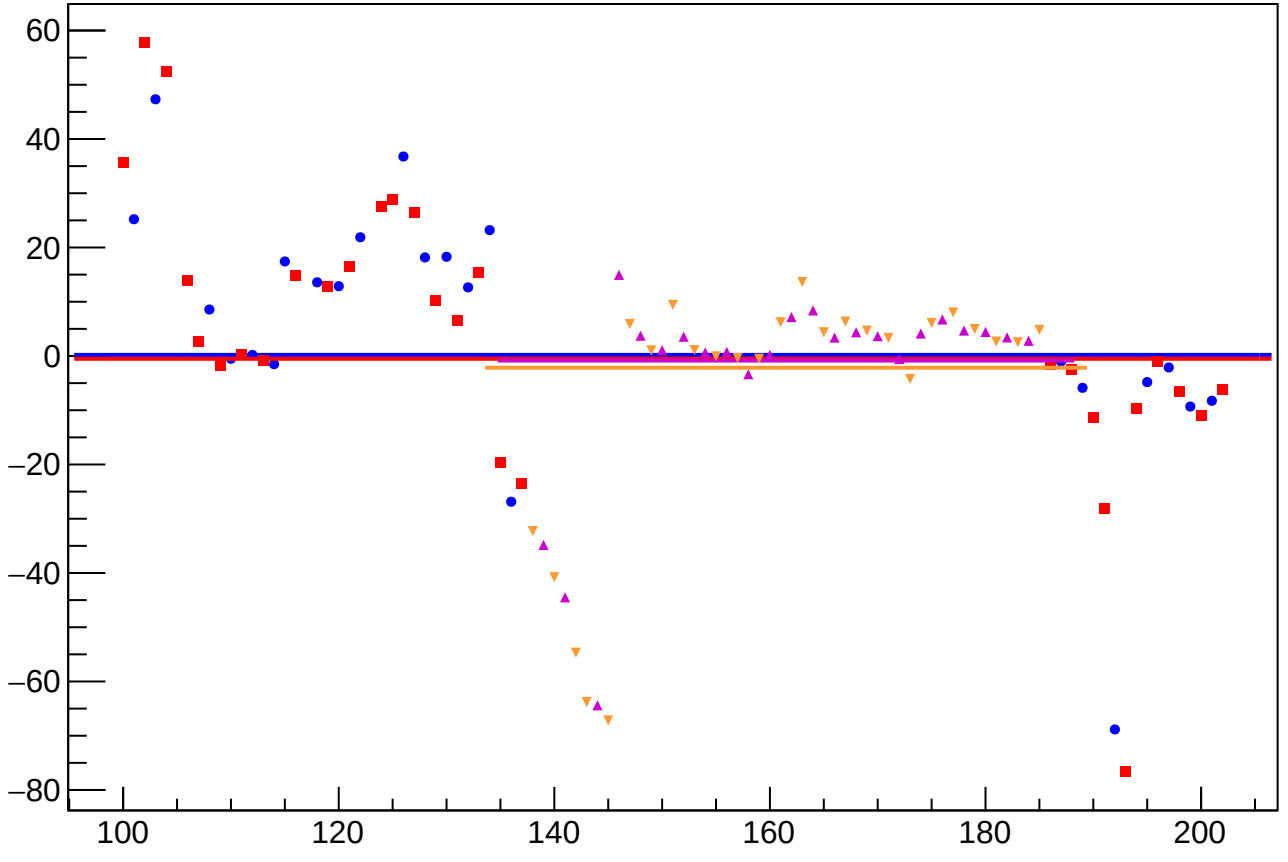
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.332+/-0.028 χ^2/NDF: 12843.0/47

All: 0.307+/-0.019 χ^2/NDF: 24851.4/99

- sign 0.284+/-0.026 χ^2/NDF: 12006.8/51

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 0.202+/-0.048 χ^2/NDF: 115179.0/22

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

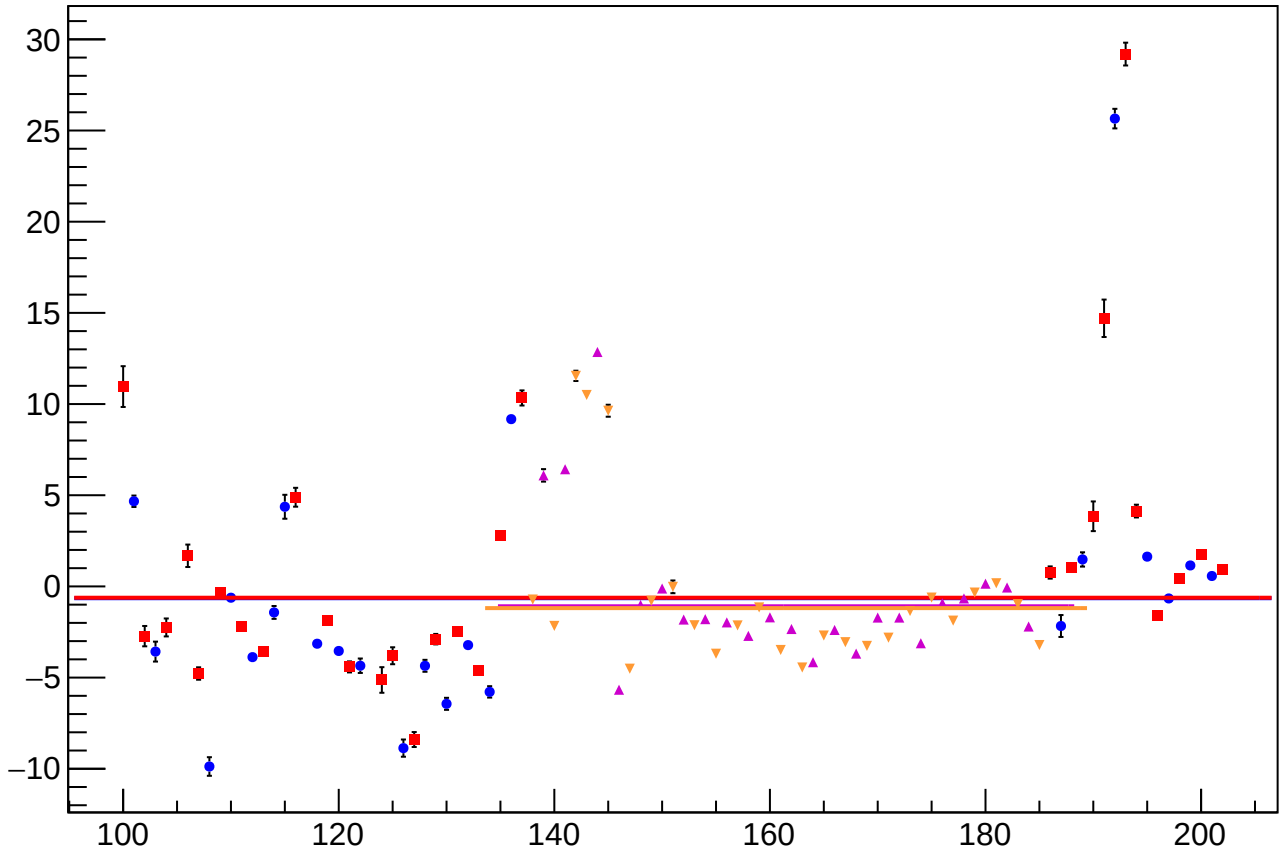
Right Out: -0.512+/-0.041 χ^2/NDF: 116939.0/28

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.157+/-0.031 χ^2/NDF: 285581.1/47

All: -0.898+/-0.021 χ^2/NDF: 529816.7/99

- sign -0.679+/-0.029 χ^2/NDF: 244107.7/51



Right In: -0.647+/-0.060 χ^2/NDF: 7252.9/22

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.620+/-0.055 χ^2/NDF: 5575.2/28

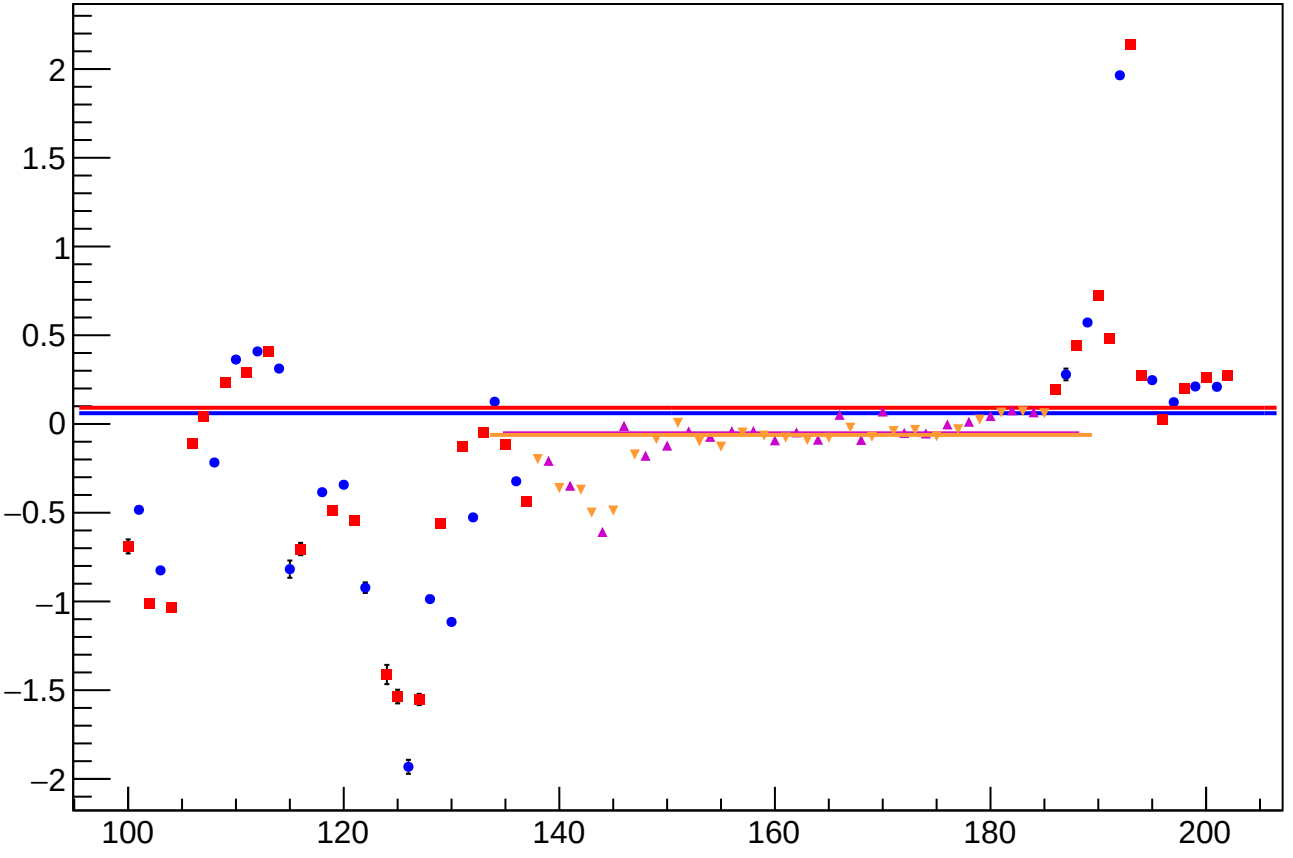
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.040+/-0.031 χ^2/NDF: 14308.7/47

All: -0.993+/-0.022 χ^2/NDF: 26780.1/99

- sign -0.951+/-0.030 χ^2/NDF: 12467.2/51

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.061+/-0.003 χ^2/NDF: 33151.6/22

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.092+/-0.003 χ^2/NDF: 34312.7/28

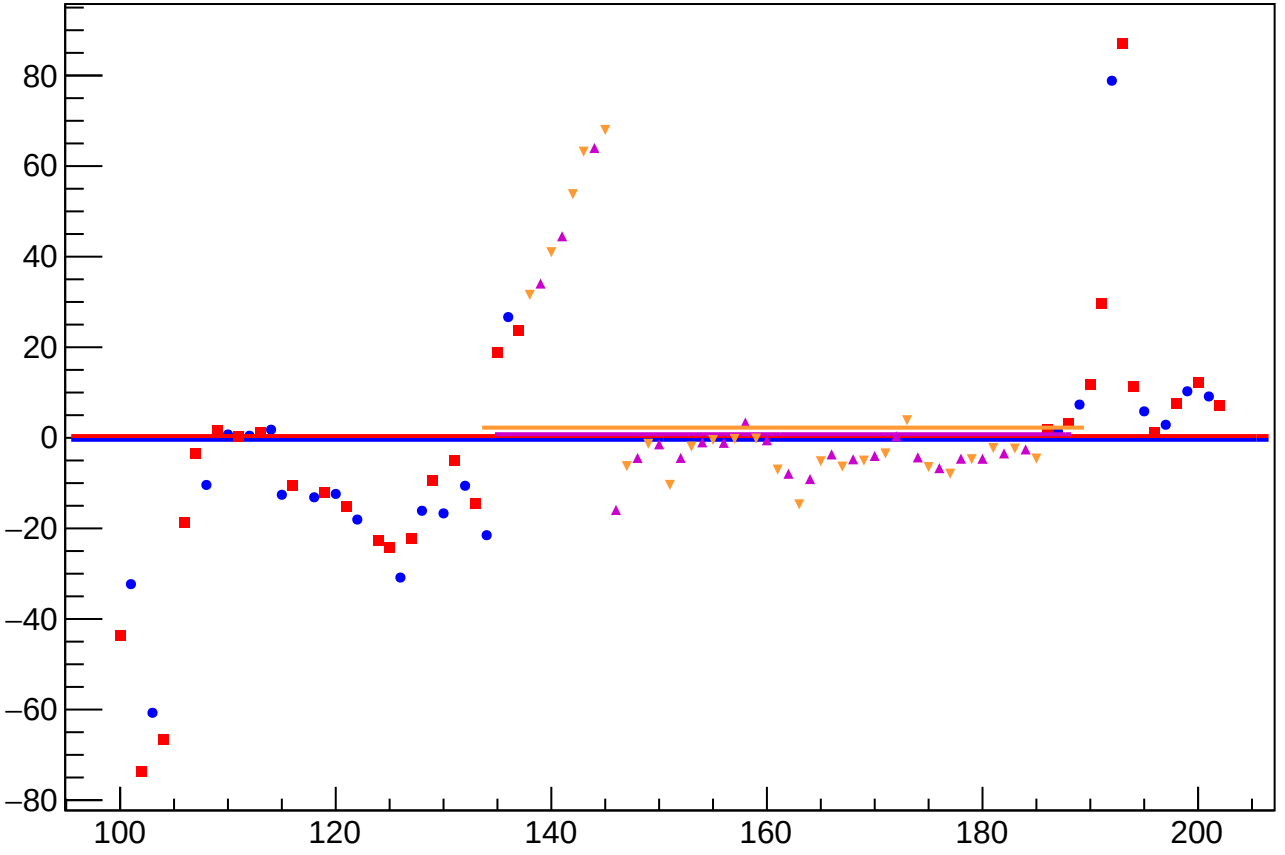
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.029+/-0.001 χ^2/NDF: 40225.7/47

All: -0.021+/-0.001 χ^2/NDF: 82041.9/99

- sign -0.014+/-0.001 χ^2/NDF: 41751.1/51

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -0.429+/-0.047 χ^2/NDF: 114145.6/22

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.391+/-0.039 χ^2/NDF: 116258.8/28

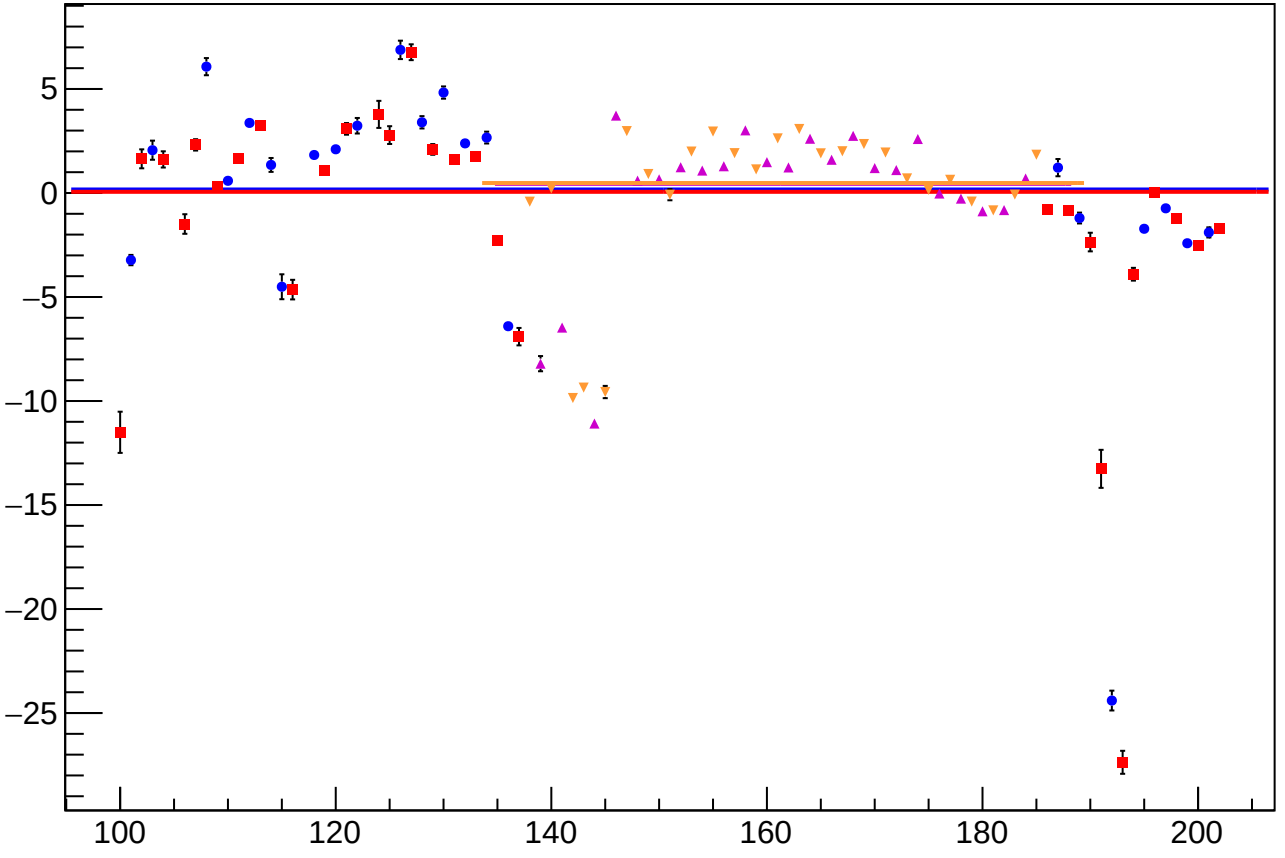
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.069+/-0.031 χ^2/NDF: 287664.4/47

All: 0.804+/-0.021 χ^2/NDF: 532936.0/99

- sign 0.582+/-0.028 χ^2/NDF: 245137.4/51

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.168+/-0.051 χ^2/NDF: 5766.0/22

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.057+/-0.047 χ^2/NDF: 4958.6/28

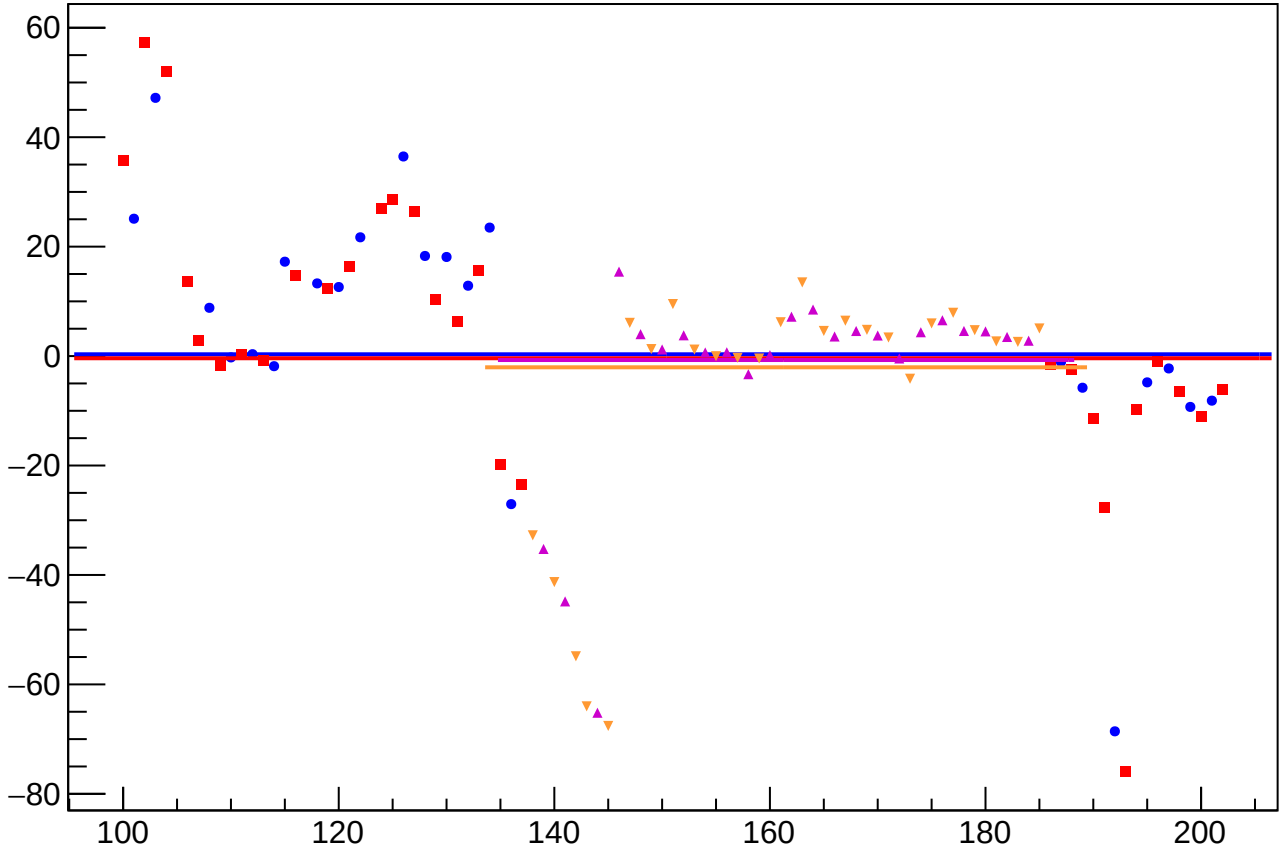
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.385+/-0.028 χ^2/NDF: 12599.5/47

All: 0.350+/-0.019 χ^2/NDF: 24499.2/99

- sign 0.318+/-0.027 χ^2/NDF: 11896.7/51

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 0.327+/-0.048 χ^2/NDF: 113429.6/22

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.398+/-0.041 χ^2/NDF: 114774.3/28

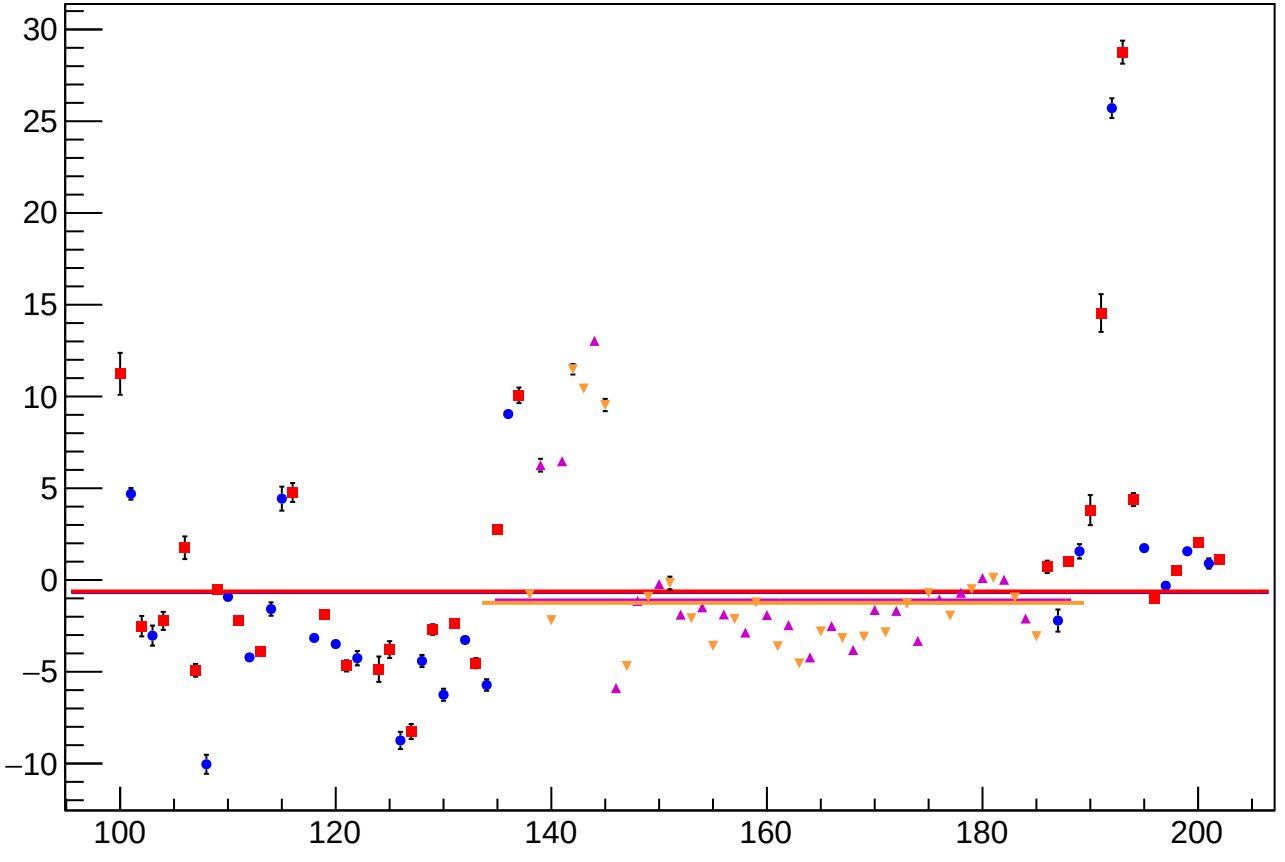
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.043+/-0.031 χ^2/NDF: 280833.9/47

All: -0.782+/-0.021 χ^2/NDF: 521297.2/99

- sign -0.562+/-0.029 χ^2/NDF: 240336.6/51

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.657+/-0.060 χ^2/NDF: 7149.1/22

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

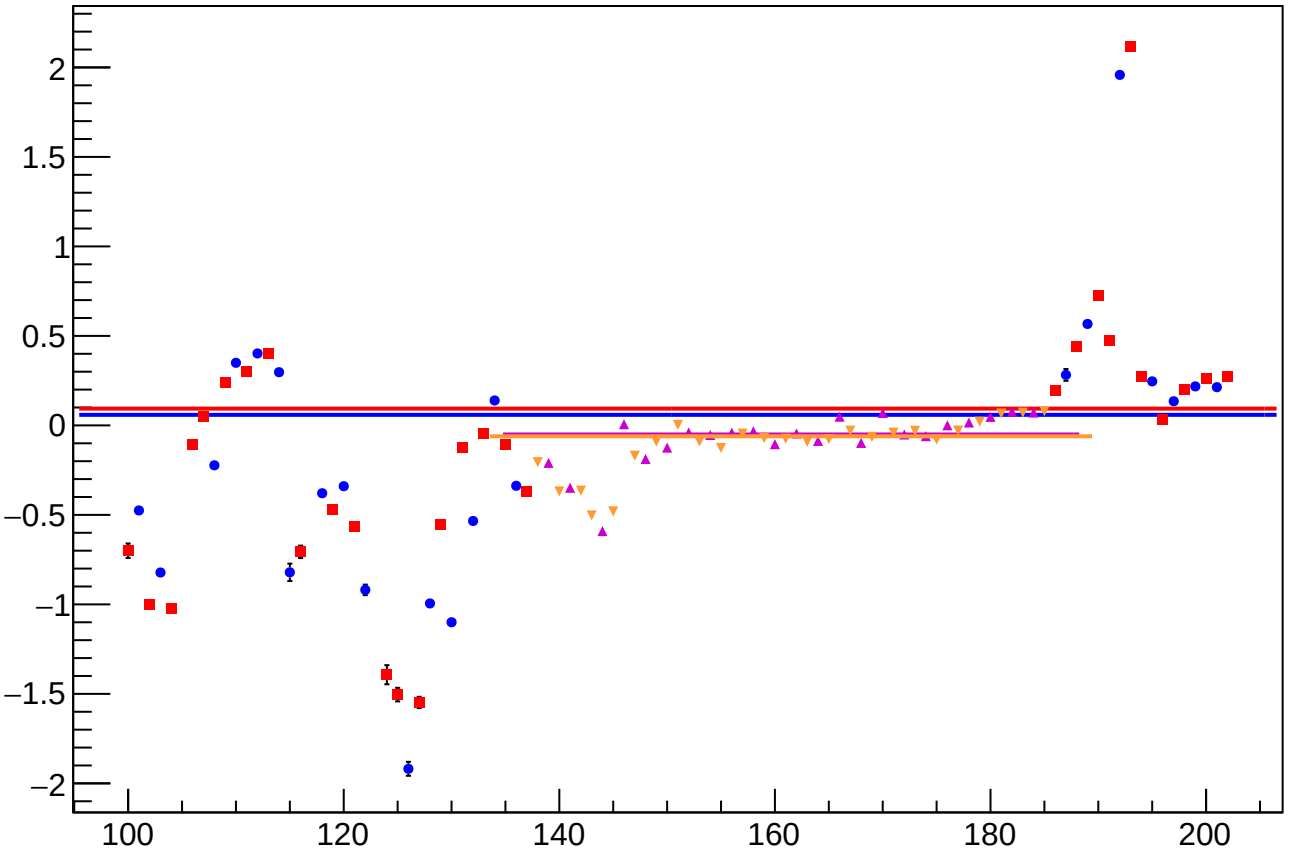
Right Out: -0.624+/-0.056 χ^2/NDF: 5450.1/28

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.082+/-0.032 χ^2/NDF: 13986.4/47

All: -1.024+/-0.022 χ^2/NDF: 26338.1/99

- sign -0.972+/-0.030 χ^2/NDF: 12345.5/51



Right In: 0.059+/-0.003 χ^2/NDF: 32800.4/22

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

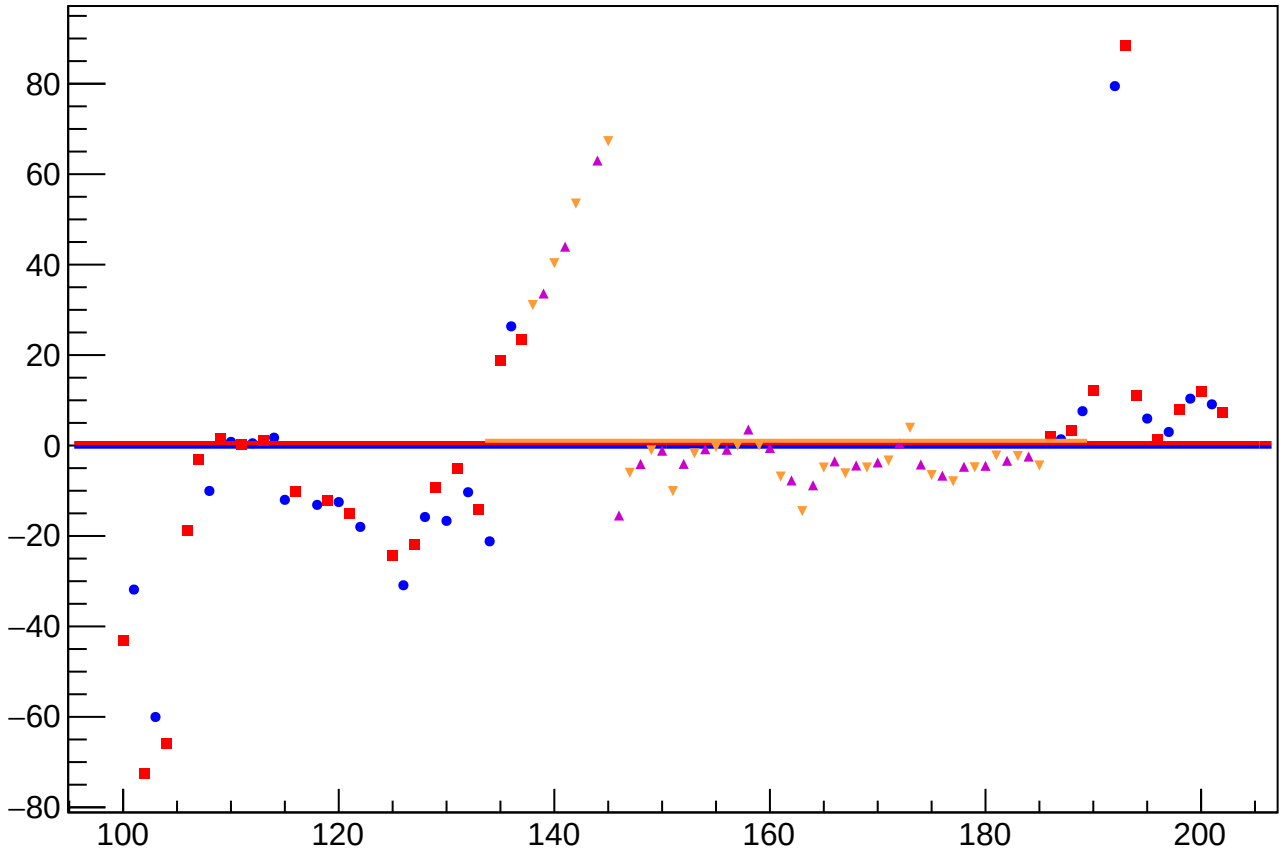
Right Out: 0.094+/-0.003 χ^2/NDF: 33388.5/28

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.029+/-0.001 χ^2/NDF: 39700.6/47

All: -0.020+/-0.001 χ^2/NDF: 80391.8/99

- sign -0.012+/-0.001 χ^2/NDF: 40610.7/51



Right In: -0.262+/-0.045 χ^2/NDF: 117902.4/22

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

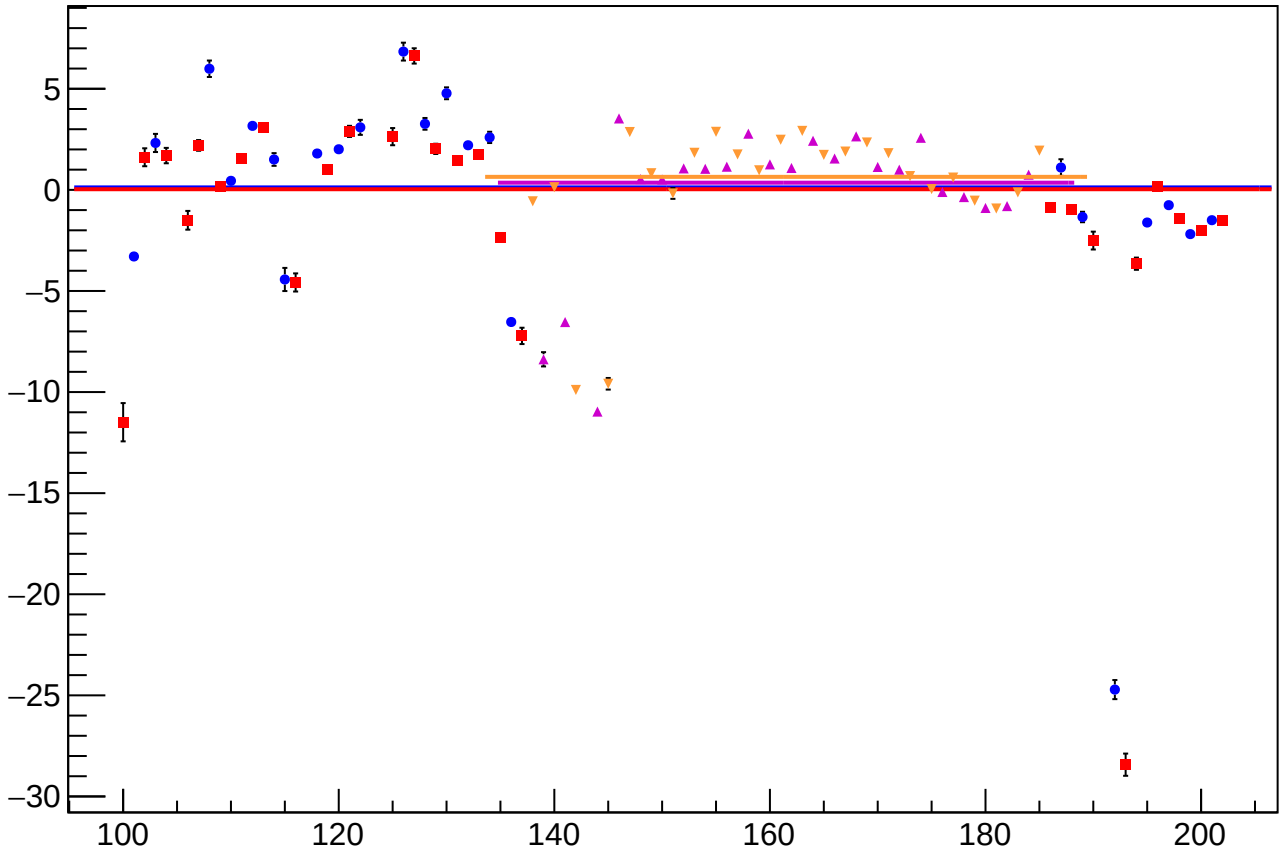
Right Out: 0.560+/-0.038 χ^2/NDF: 117402.5/26

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 0.464+/-0.030 χ^2/NDF: 249404.3/46

All: 0.608+/-0.020 χ^2/NDF: 499697.3/96

- sign 0.727+/-0.027 χ^2/NDF: 250251.3/49



Right In: 0.122+/-0.050 χ^2/NDF: 5948.7/22

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.032+/-0.046 χ^2/NDF: 4977.9/26

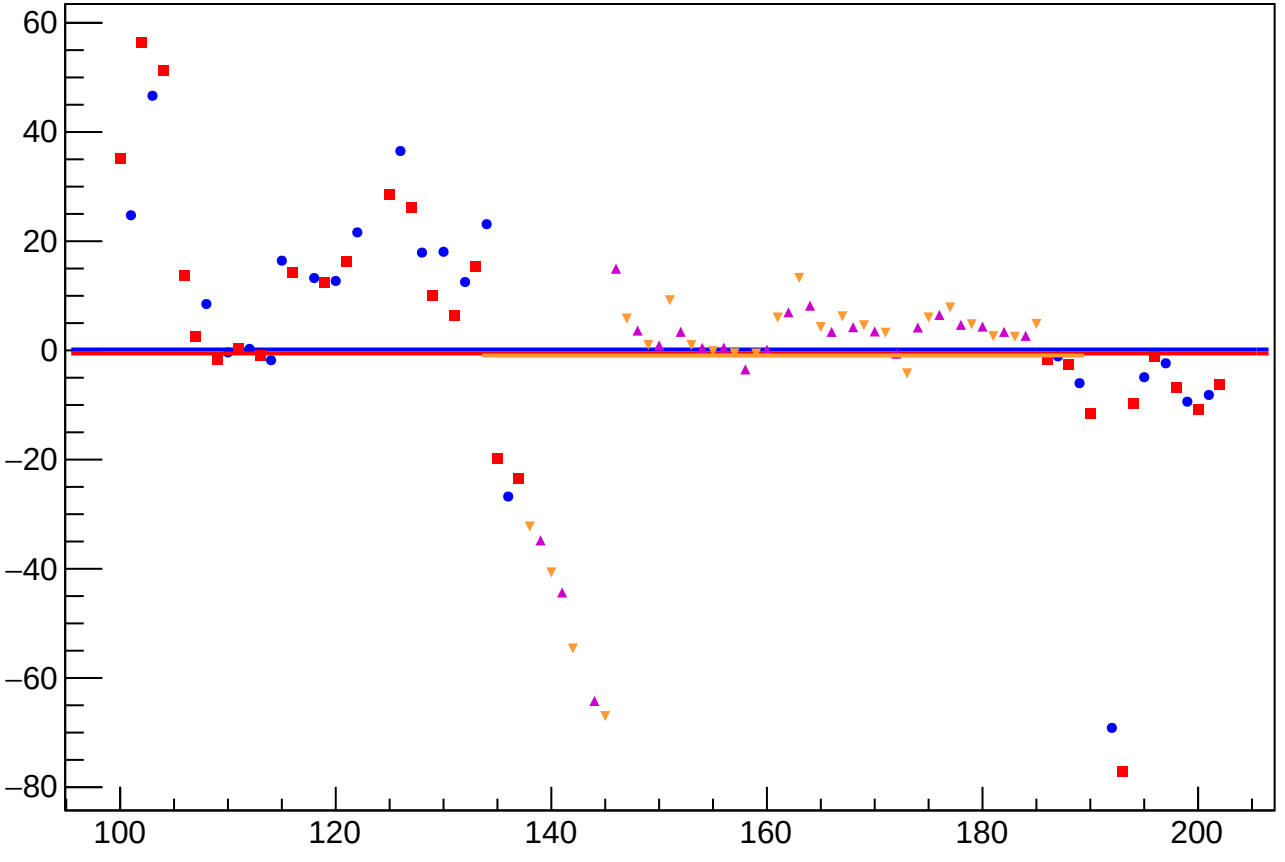
Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.484+/-0.028 χ^2/NDF: 10735.4/46

All: 0.361+/-0.019 χ^2/NDF: 22900.9/96

- sign 0.254+/-0.026 χ^2/NDF: 12128.5/49

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.167+/-0.047 χ^2/NDF: 117156.8/22

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

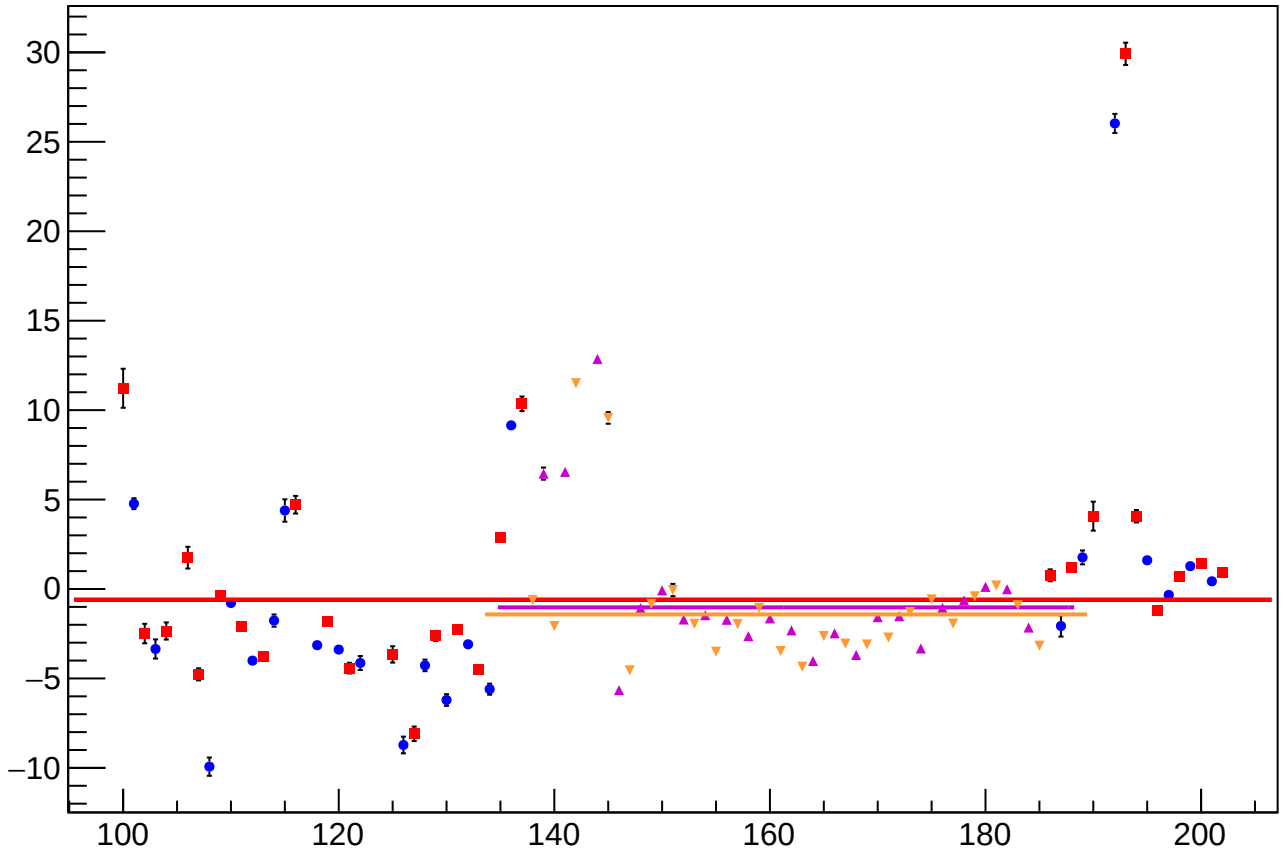
Right Out: -0.557+/-0.040 χ^2/NDF: 115972.1/26

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign -0.461+/-0.031 χ^2/NDF: 243847.7/46

All: -0.598+/-0.021 χ^2/NDF: 489370.5/96

- sign -0.712+/-0.028 χ^2/NDF: 245486.3/49



Right In: -0.605+/-0.059 χ^2/NDF: 7427.3/22

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

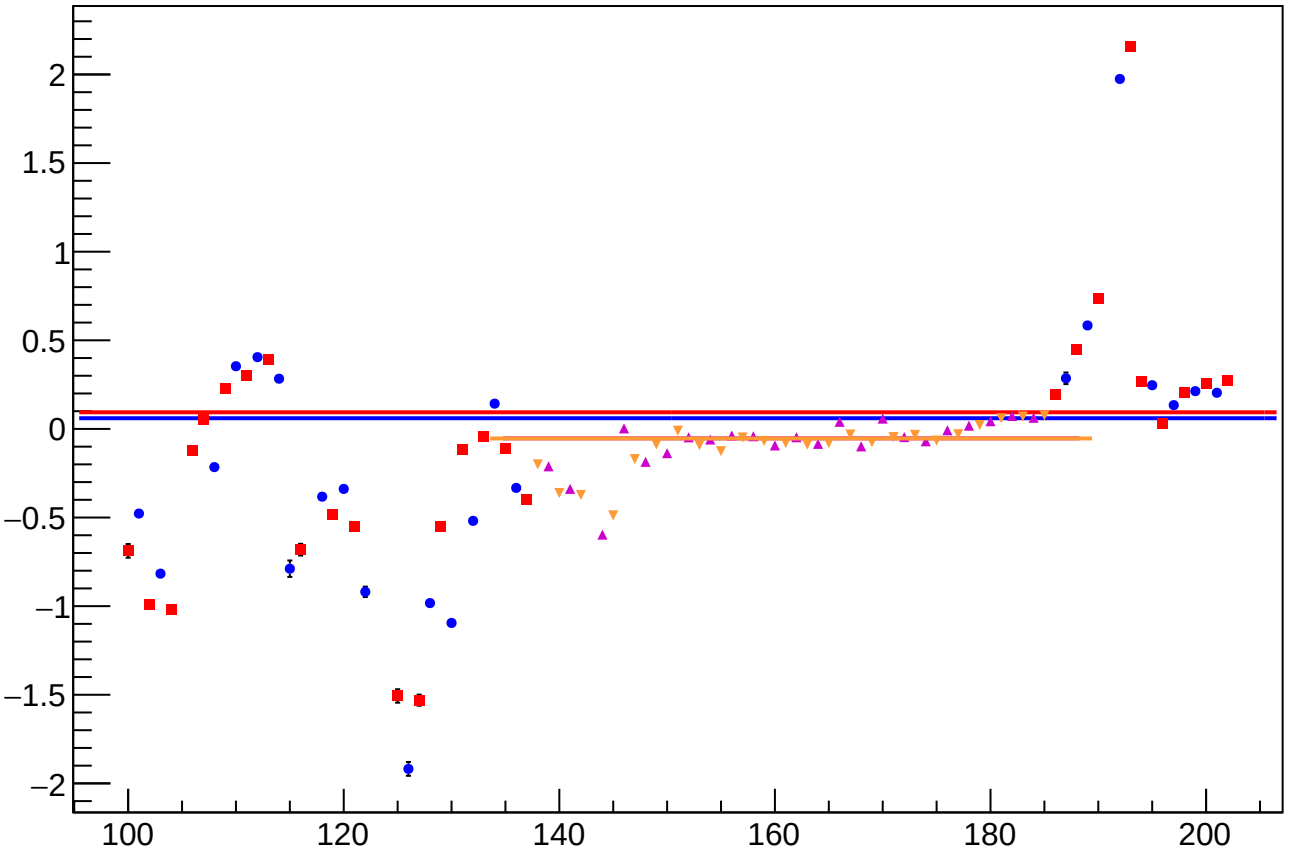
Right Out: -0.591+/-0.054 χ^2/NDF: 5500.9/26

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.191+/-0.031 χ^2/NDF: 12208.3/46

All: -1.036+/-0.021 χ^2/NDF: 24848.7/96

- sign -0.899+/-0.029 χ^2/NDF: 12593.6/49



Right In: 0.060+/-0.003 χ^2/NDF: 33920.1/22

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

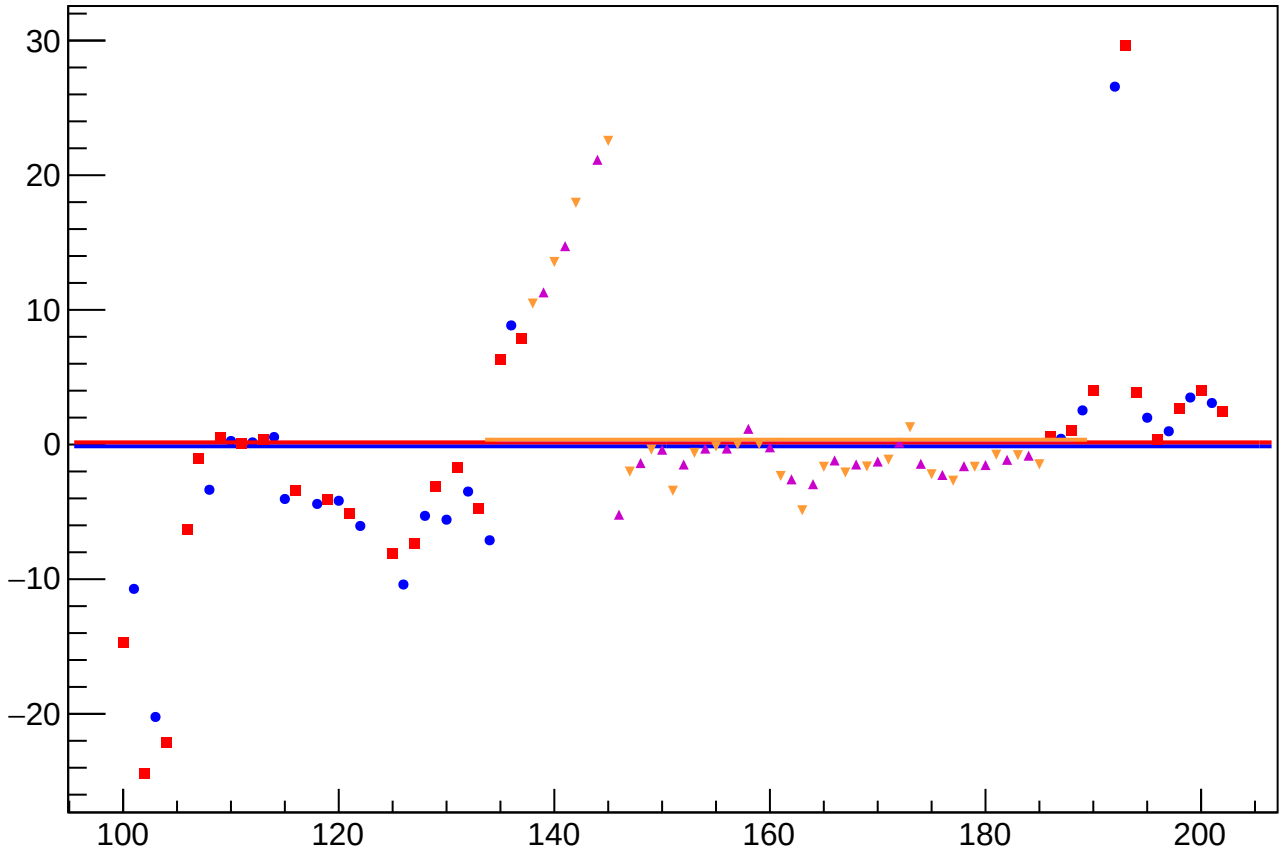
Right Out: 0.094+/-0.002 χ^2/NDF: 33837.6/26

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.024+/-0.001 χ^2/NDF: 39612.8/46

All: -0.019+/-0.001 χ^2/NDF: 81047.2/96

- sign -0.014+/-0.001 χ^2/NDF: 41411.0/49



Right In: -0.130+/-0.015 χ^2/NDF: 115819.5/22

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

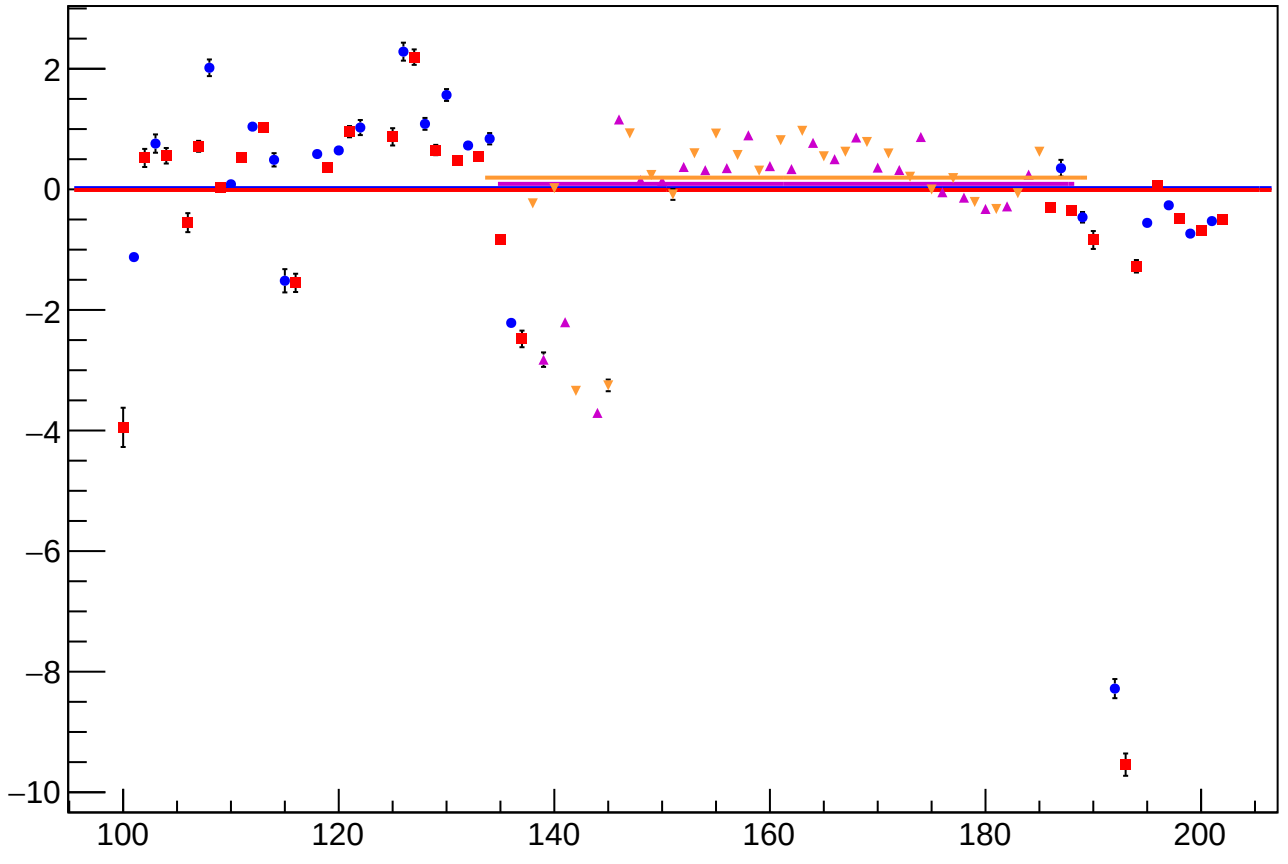
Right Out: 0.161+/-0.013 χ^2/NDF: 115589.1/26

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.142+/-0.010 χ^2/NDF: 245201.2/46

All: 0.193+/-0.007 χ^2/NDF: 491128.5/96

- sign 0.235+/-0.009 χ^2/NDF: 245882.3/49



Right In: 0.020+/-0.017 χ^2/NDF: 5819.5/22

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: -0.010+/-0.016 χ^2/NDF: 4884.6/26

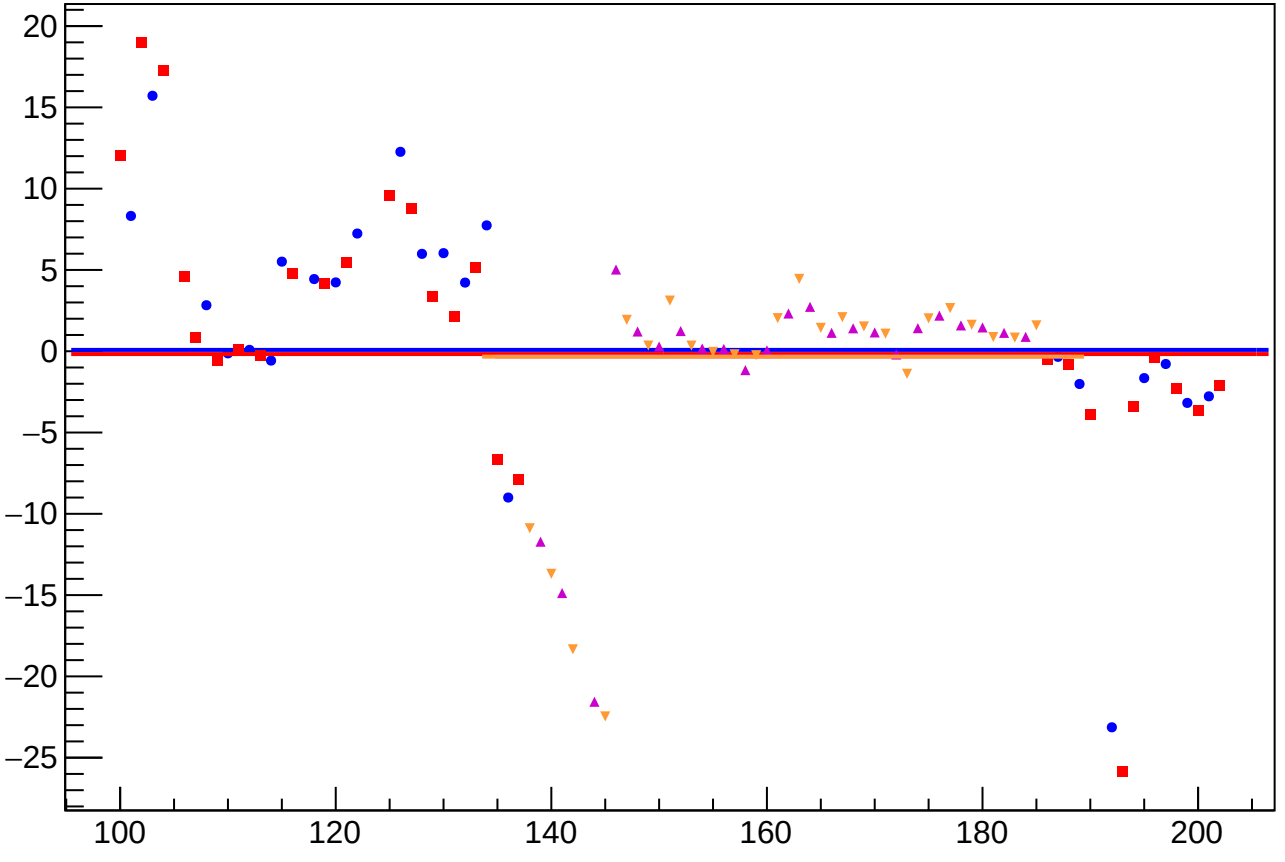
Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.141+/-0.009 χ^2/NDF: 10536.3/46

All: 0.098+/-0.006 χ^2/NDF: 22425.5/96

- sign 0.059+/-0.009 χ^2/NDF: 11849.1/49

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.083+/-0.016 χ^2/NDF: 115109.1/22

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

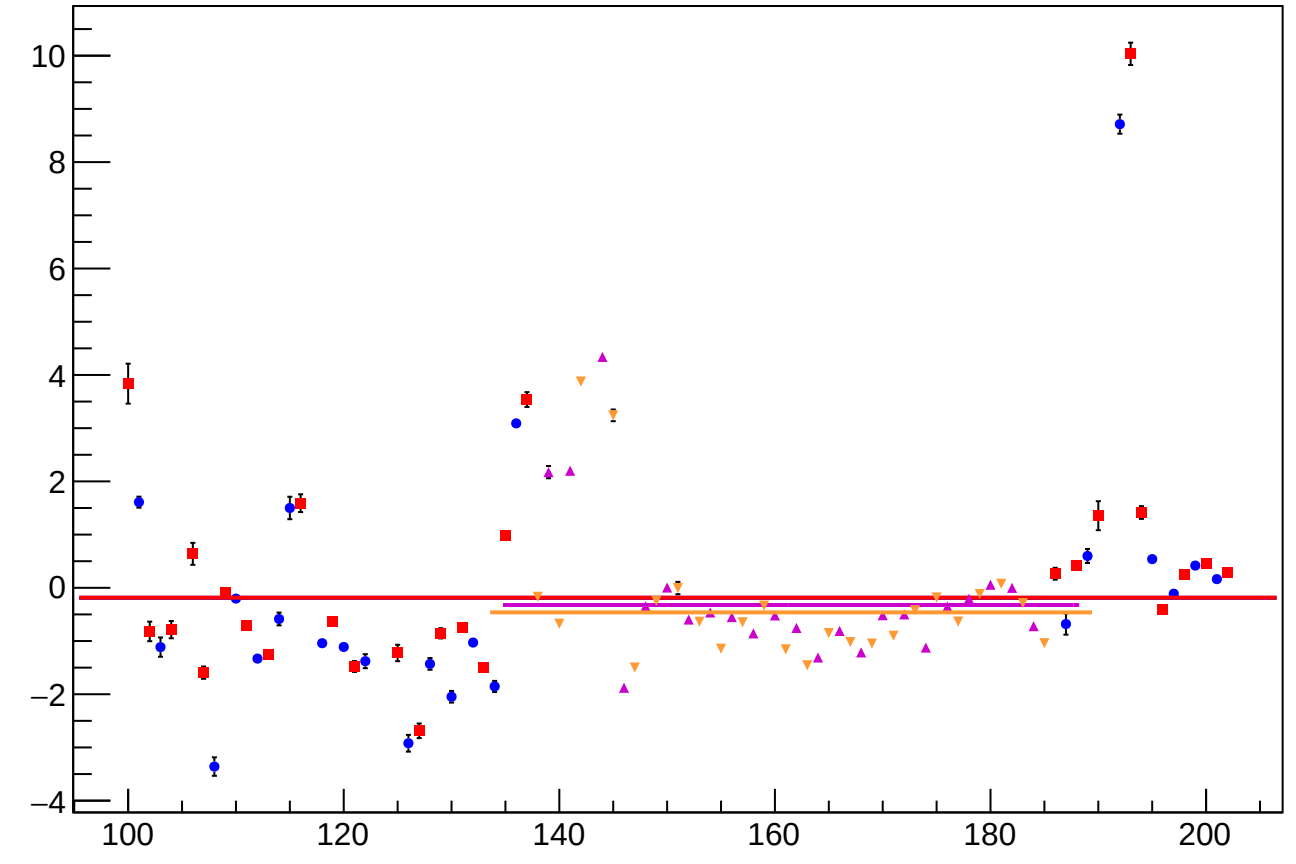
Right Out: -0.174+/-0.014 χ^2/NDF: 114207.6/26

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.156+/-0.011 χ^2/NDF: 239724.1/46

All: -0.205+/-0.007 χ^2/NDF: 481023.3/96

- sign -0.246+/-0.010 χ^2/NDF: 241259.4/49



Right In: -0.189+/-0.020 χ^2/NDF: 7270.1/22

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

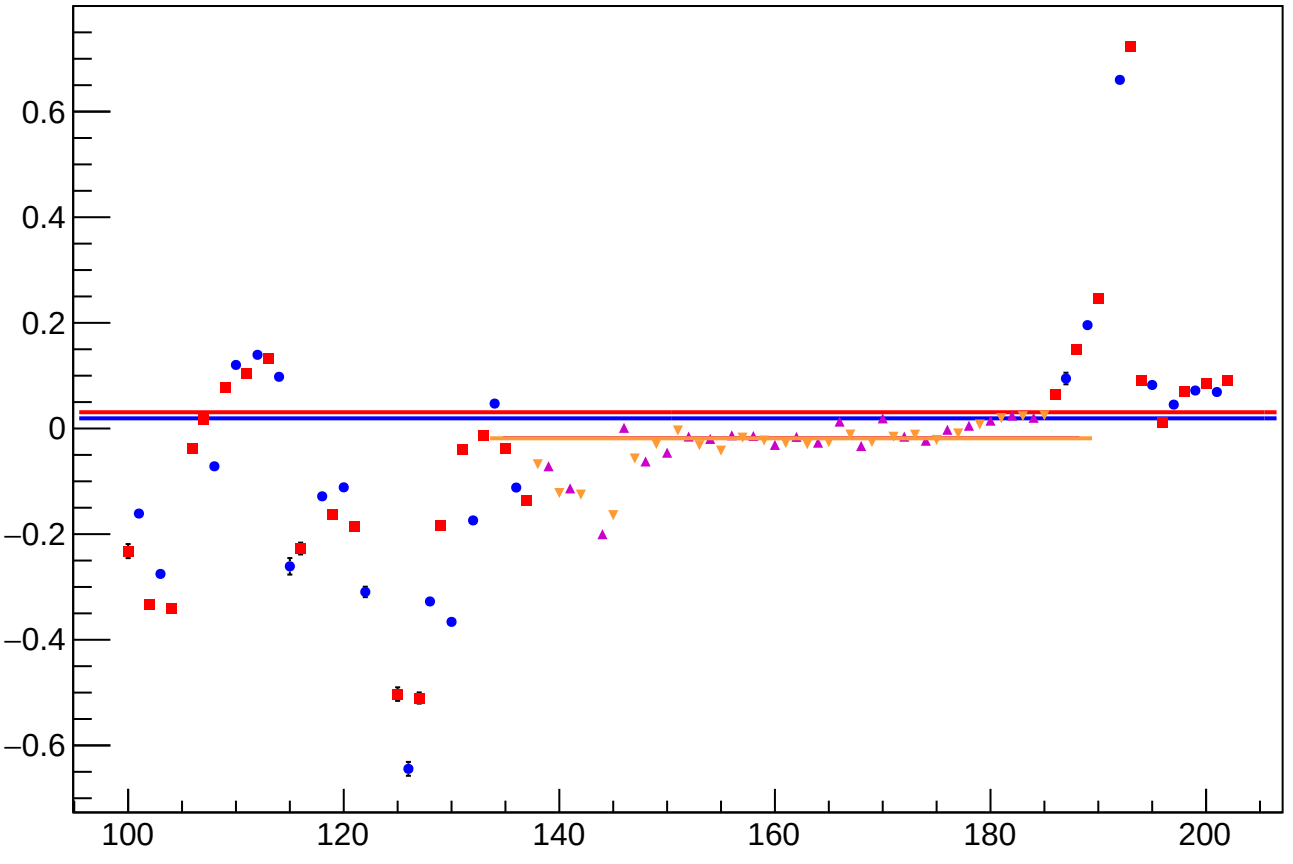
Right Out: -0.186+/-0.019 χ^2/NDF: 5405.9/26

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.385+/-0.011 χ^2/NDF: 11982.8/46

All: -0.331+/-0.007 χ^2/NDF: 24358.1/96

- sign -0.283+/-0.010 χ^2/NDF: 12326.4/49



Right In: 0.019+/-0.001 χ^2/NDF: 33343.9/22

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

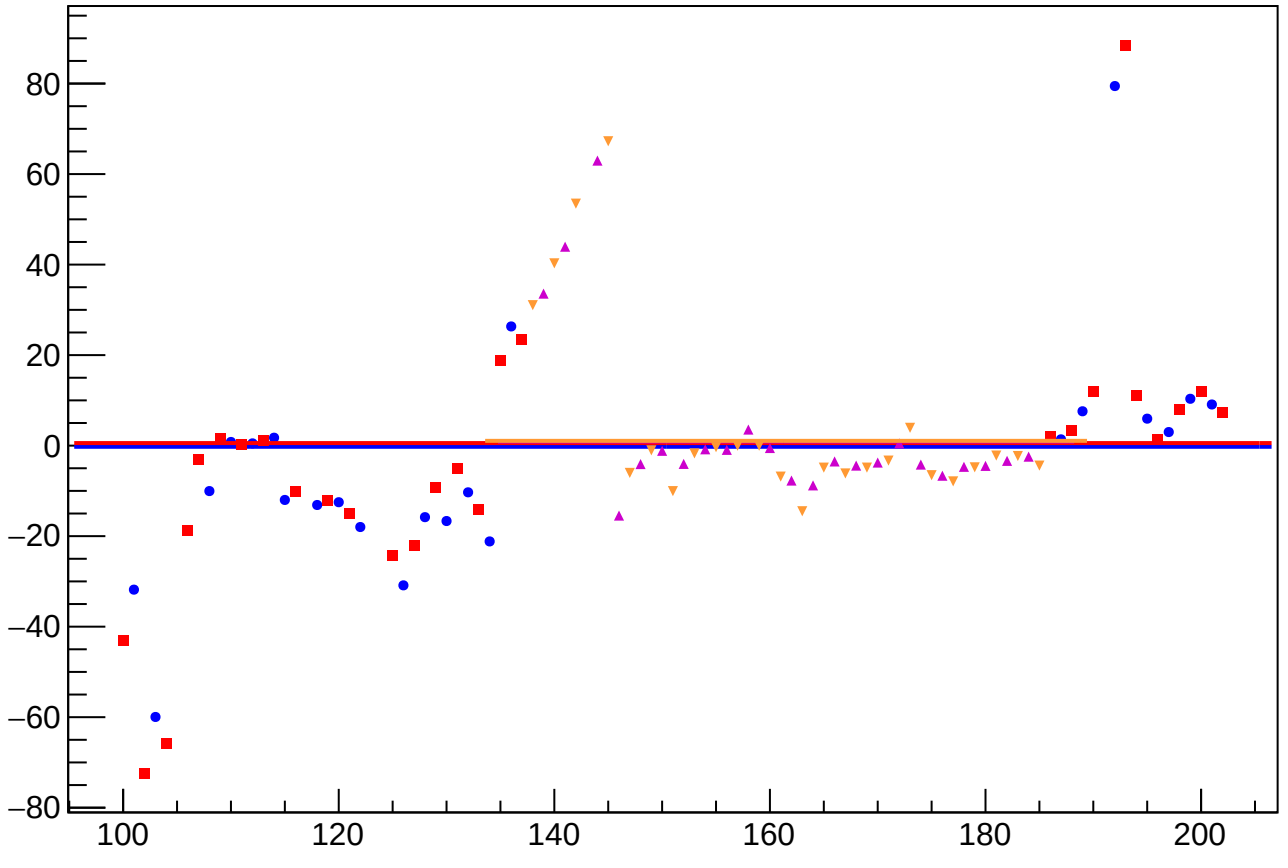
Right Out: 0.031+/-0.001 χ^2/NDF: 33219.0/26

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.009+/-0.000 χ^2/NDF: 38831.4/46

All: -0.007+/-0.000 χ^2/NDF: 79351.8/96

- sign -0.005+/-0.000 χ^2/NDF: 40491.8/49



Right In: -0.254+/-0.045 χ^2/NDF: 117926.1/22

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

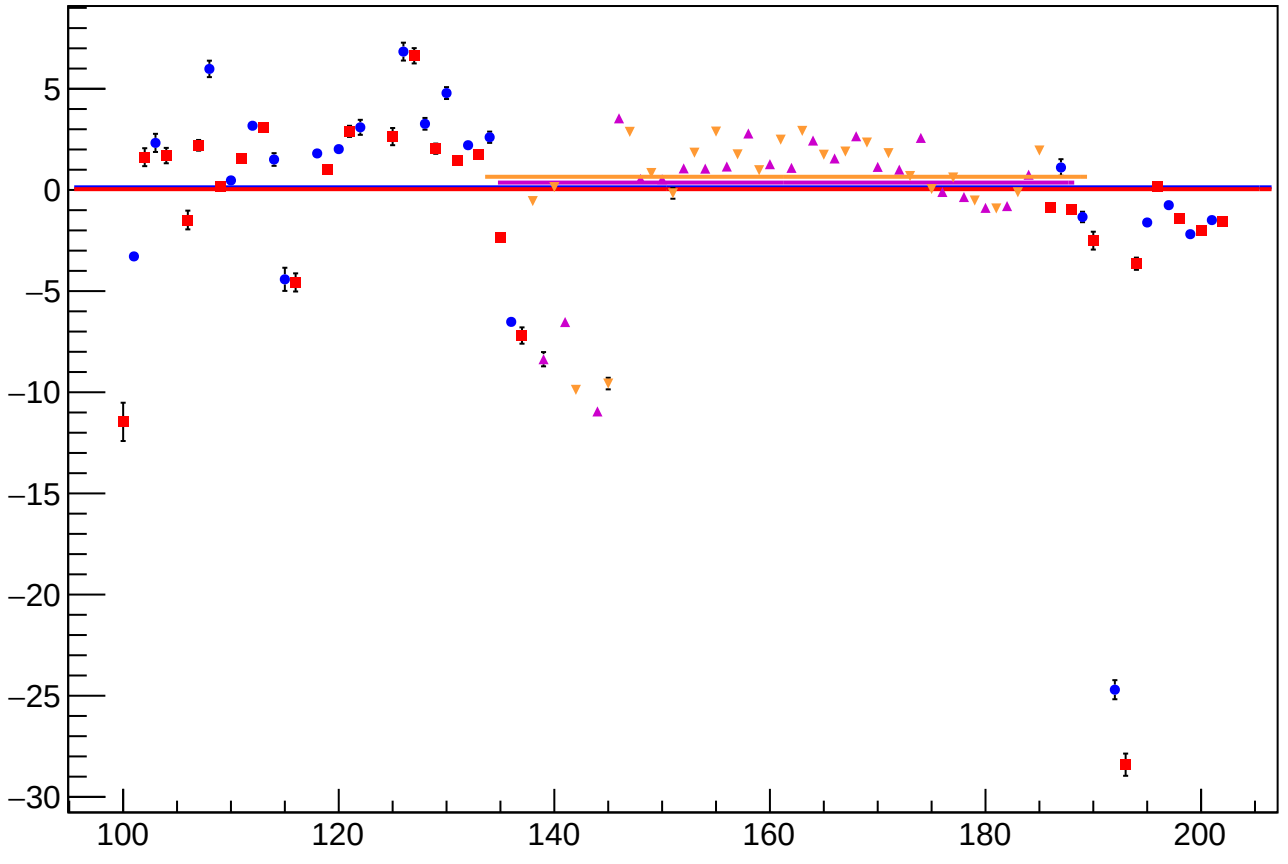
Right Out: 0.565+/-0.038 χ^2/NDF: 117419.3/26

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 0.470+/-0.030 χ^2/NDF: 249406.0/46

All: 0.612+/-0.020 χ^2/NDF: 499723.6/96

- sign 0.730+/-0.027 χ^2/NDF: 250276.5/49



Right In: 0.130+/-0.050 χ^2/NDF: 5952.8/22

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.038+/-0.046 χ^2/NDF: 4979.4/26

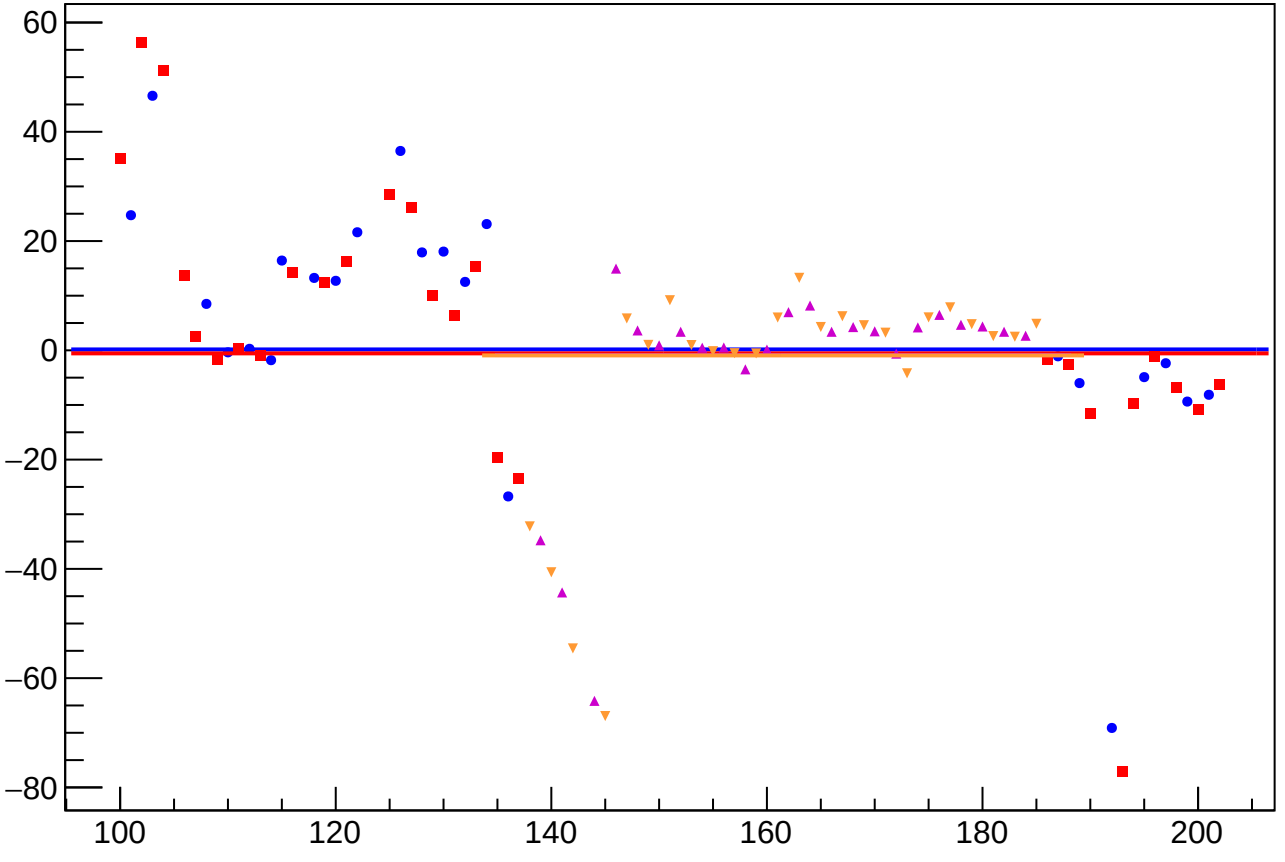
Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.492+/-0.028 χ^2/NDF: 10737.4/46

All: 0.369+/-0.019 χ^2/NDF: 22910.3/96

- sign 0.262+/-0.026 χ^2/NDF: 12136.0/49

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.164+/-0.047 χ^2/NDF: 117177.8/22

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

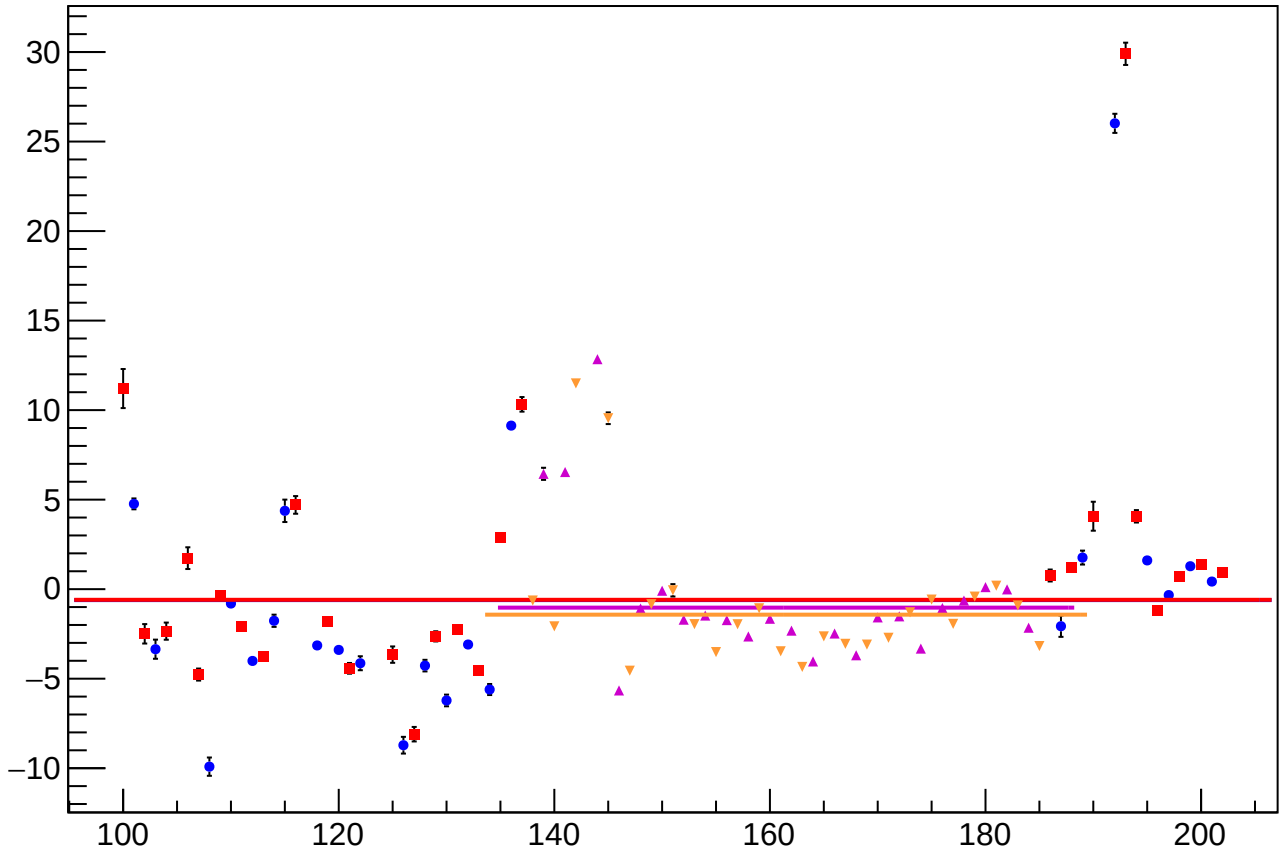
Right Out: -0.556+/-0.040 χ^2/NDF: 115984.8/26

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -0.461+/-0.031 χ^2/NDF: 243848.2/46

All: -0.597+/-0.021 χ^2/NDF: 489388.8/96

- sign -0.710+/-0.028 χ^2/NDF: 245504.5/49



Right In: -0.611+/-0.059 χ^2/NDF: 7430.5/22

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

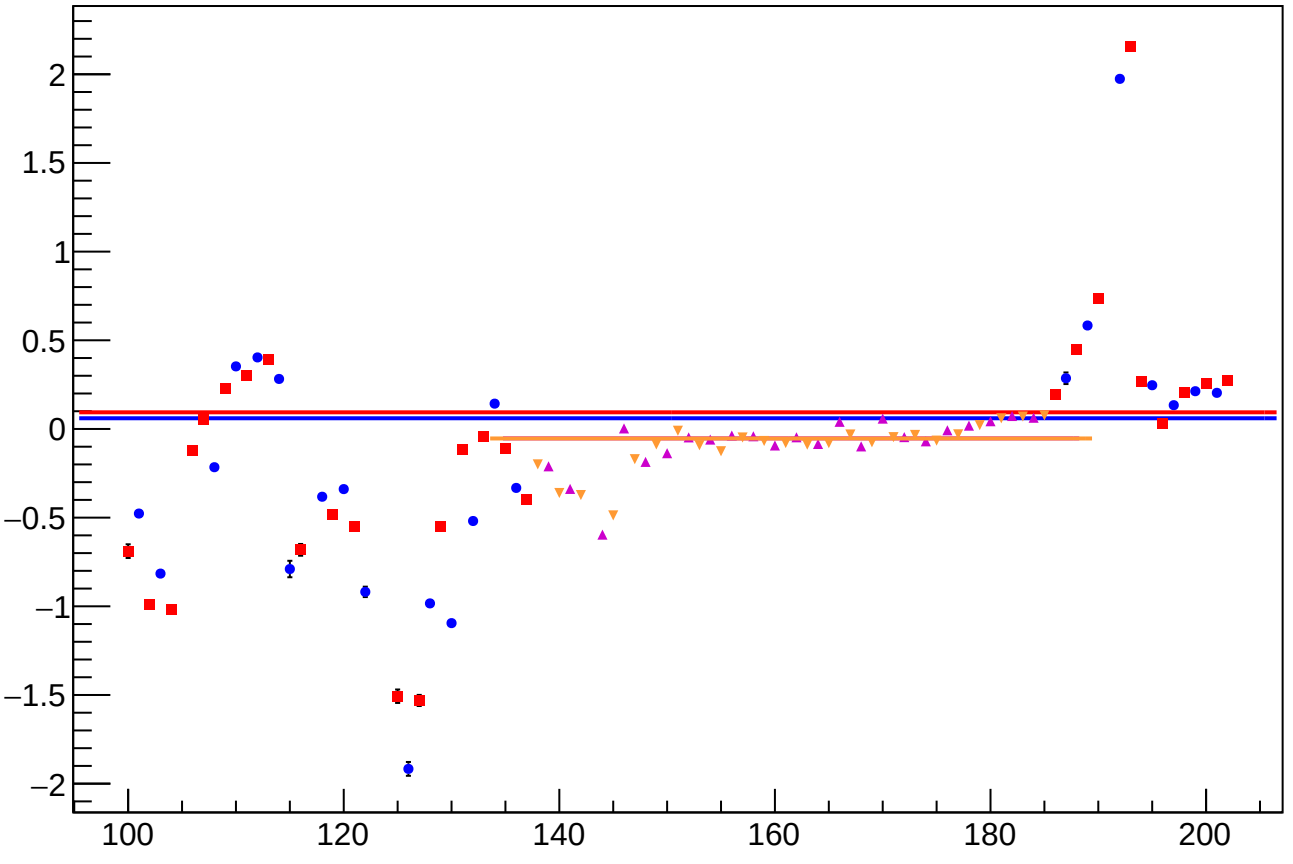
Right Out: -0.594+/-0.054 χ^2/NDF: 5500.8/26

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.196+/-0.031 χ^2/NDF: 12209.1/46

All: -1.041+/-0.021 χ^2/NDF: 24854.3/96

- sign -0.905+/-0.029 χ^2/NDF: 12598.4/49



Right In: 0.060+/-0.003 χ^2/NDF: 33927.8/22

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

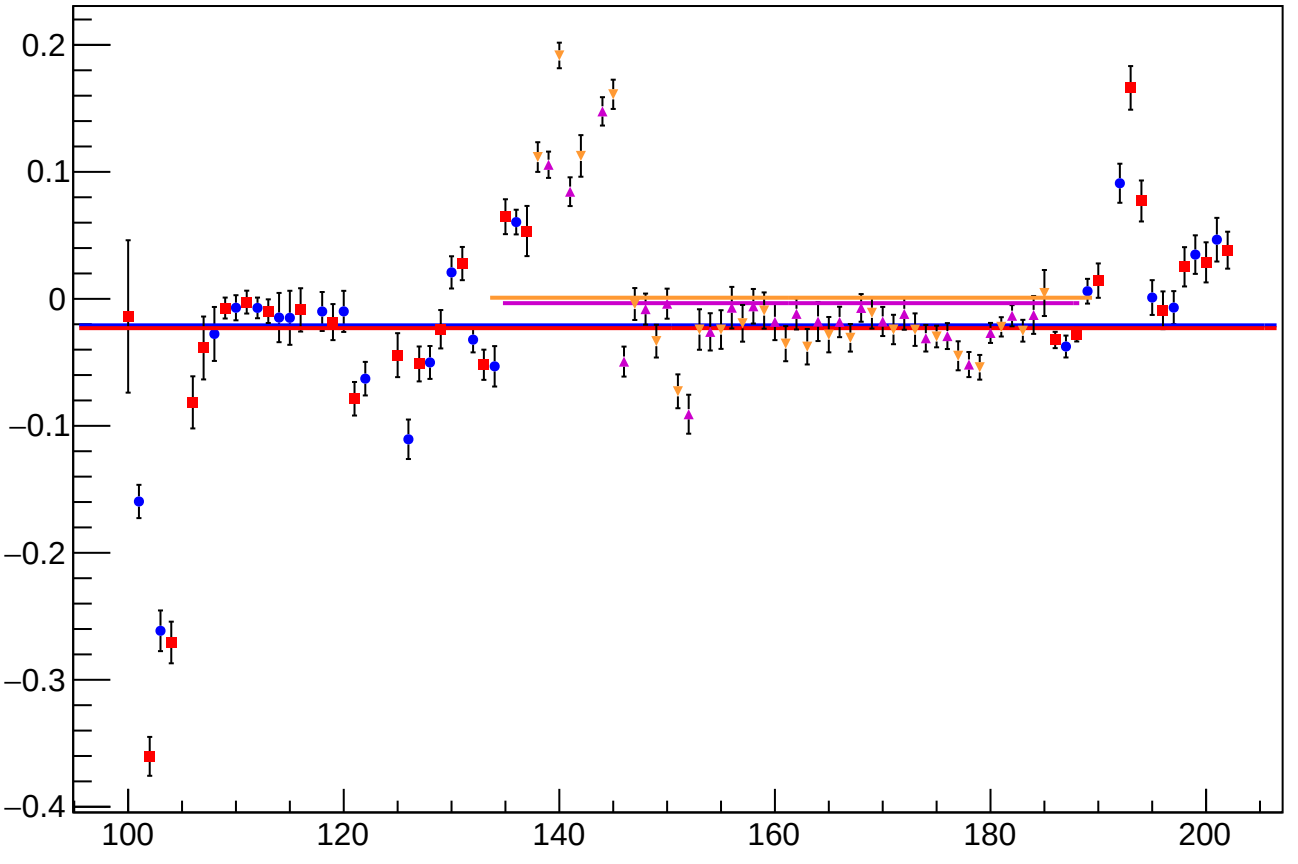
Right Out: 0.094+/-0.002 χ^2/NDF: 33851.7/26

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.023+/-0.001 χ^2/NDF: 39621.8/46

All: -0.019+/-0.001 χ^2/NDF: 81078.8/96

- sign -0.014+/-0.001 χ^2/NDF: 41434.0/49



Right In: -0.021+/-0.003 χ^2/NDF: 575.3/22

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

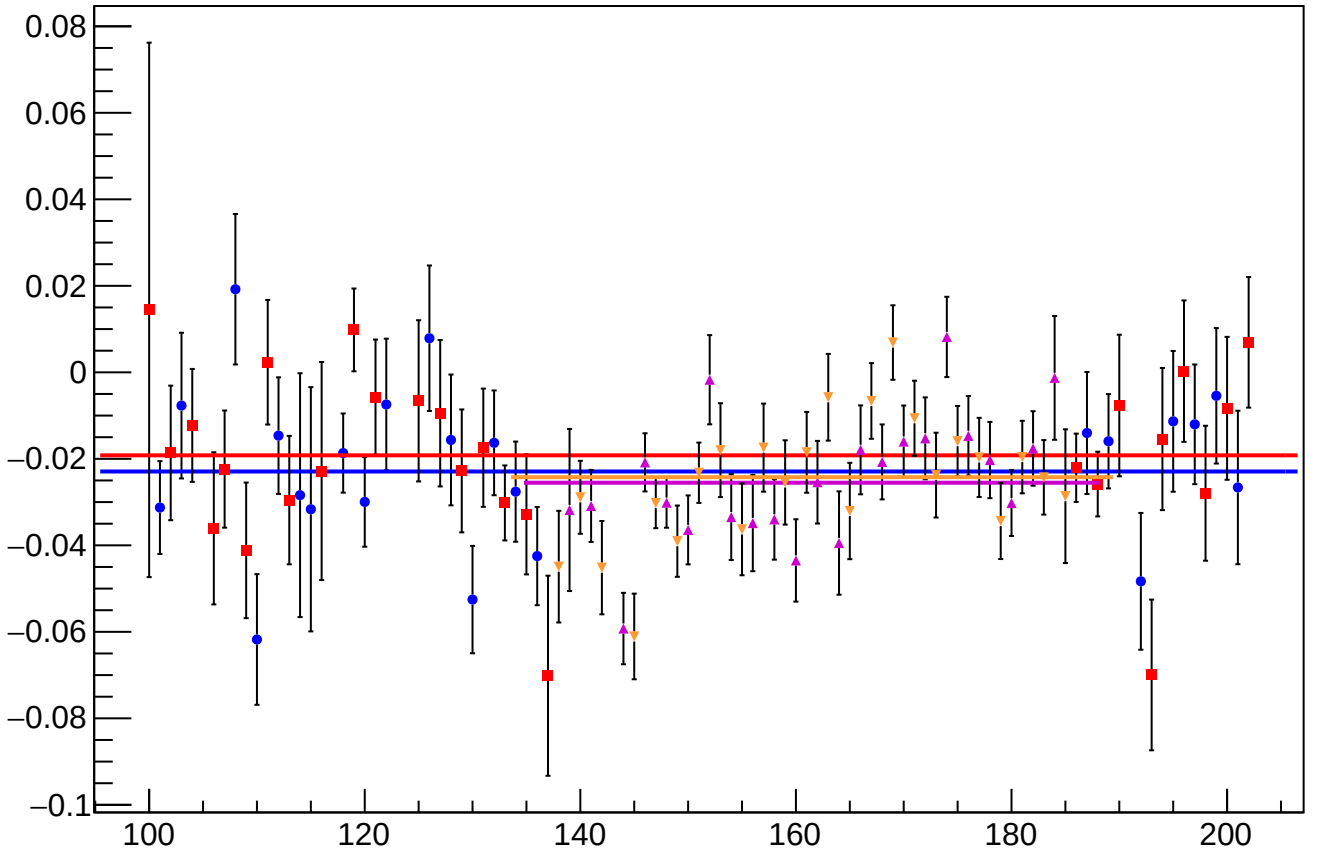
Right Out: -0.023+/-0.002 χ^2/NDF: 1043.0/26

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.009+/-0.002 χ^2/NDF: 1462.3/46

All: -0.011+/-0.001 χ^2/NDF: 3001.8/96

- sign -0.014+/-0.002 χ^2/NDF: 1535.8/49



Right In: -0.023+/-0.003 χ^2/NDF: 34.6/22

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

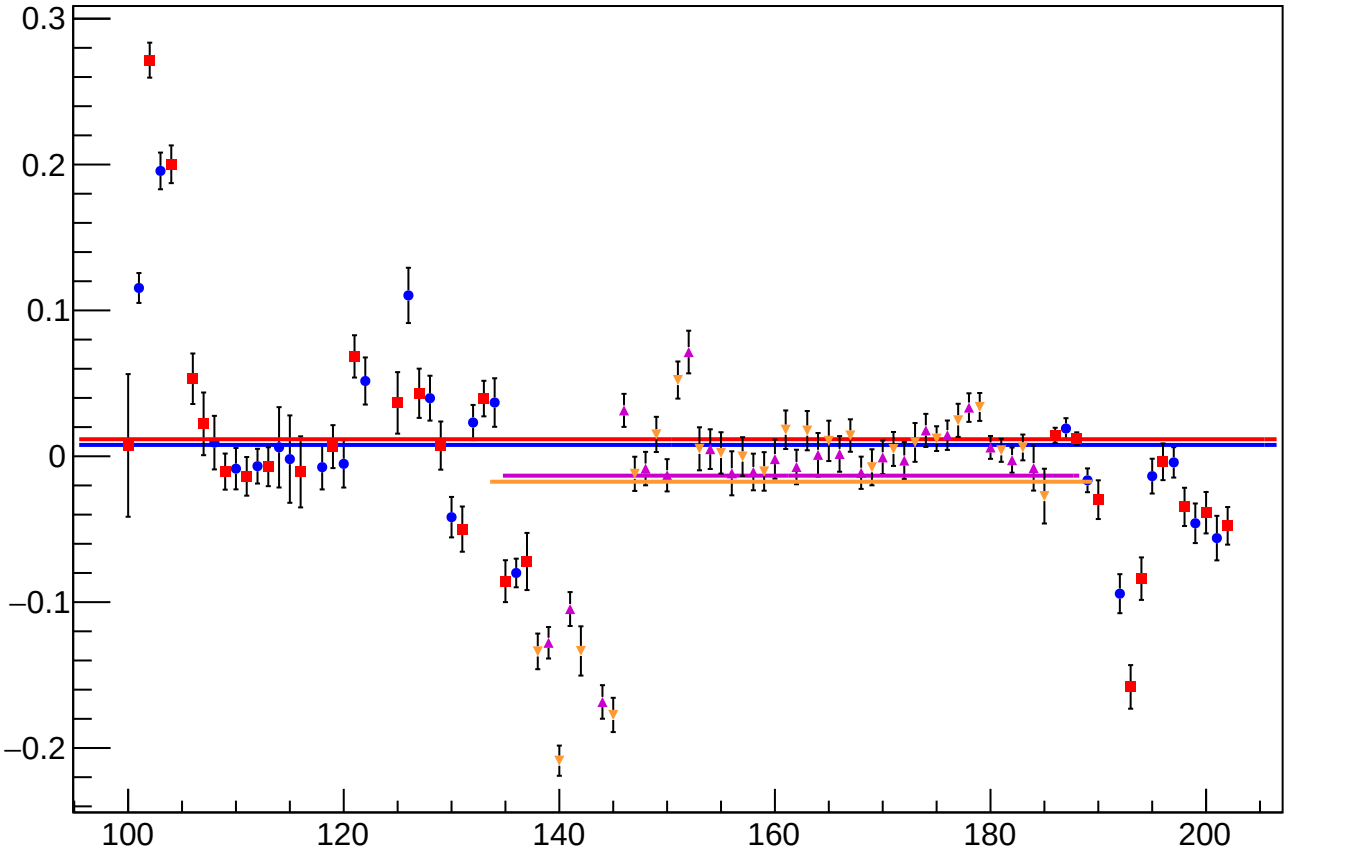
Right Out: -0.019+/-0.003 χ^2/NDF: 39.9/26

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 88.5/46

All: -0.024+/-0.001 χ^2/NDF: 187.4/96

- sign -0.023+/-0.002 χ^2/NDF: 98.8/49



Right In: 0.008+/-0.003 χ^2/NDF: 583.3/22

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

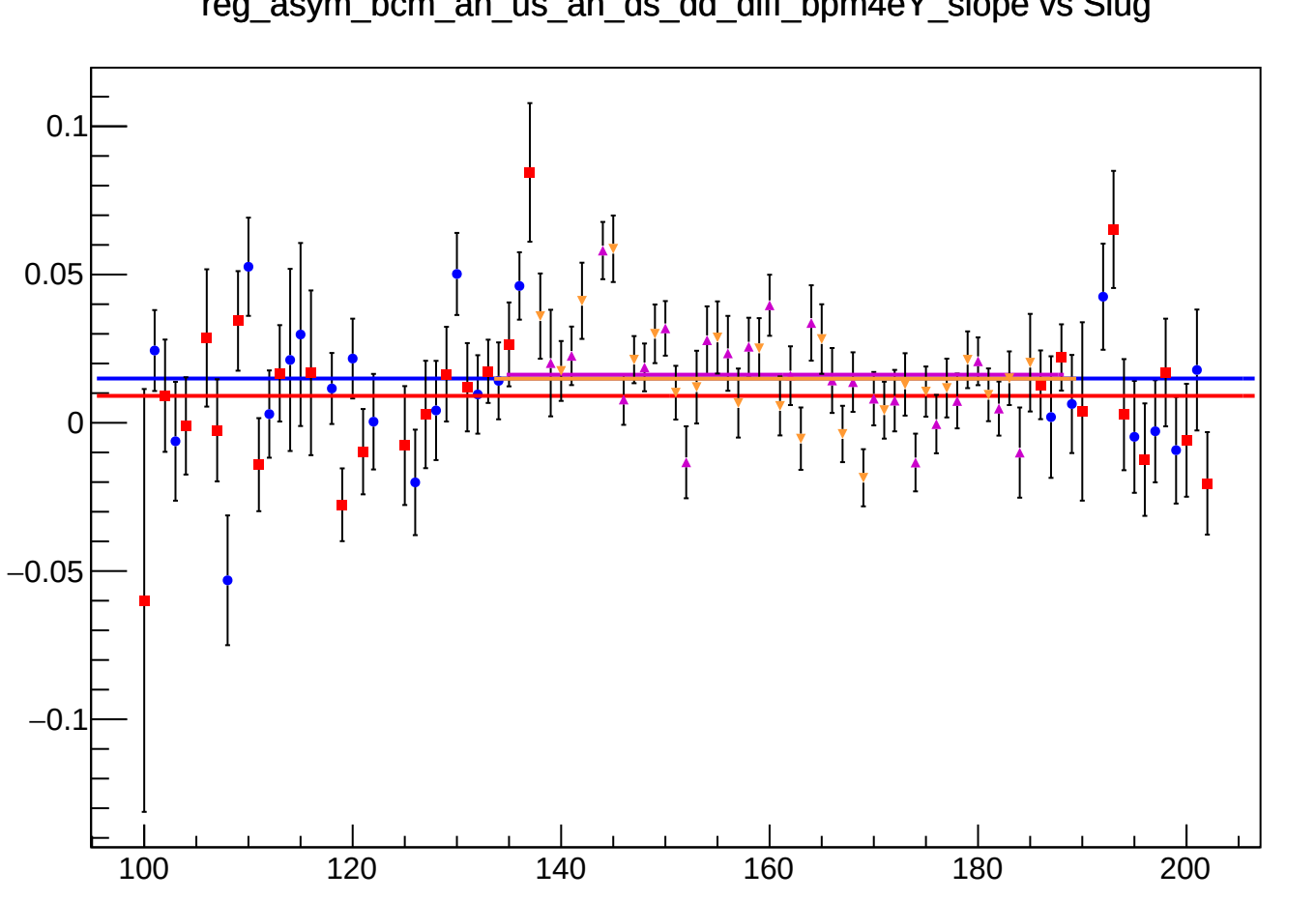
Right Out: 0.012+/-0.002 χ^2/NDF: 1033.0/26

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.006+/-0.002 χ^2/NDF: 1446.0/46

All: -0.003+/-0.001 χ^2/NDF: 3003.3/96

- sign 0.000+/-0.002 χ^2/NDF: 1550.6/49



Right In: 0.015+/-0.003 χ^2/NDF: 44.1/22

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

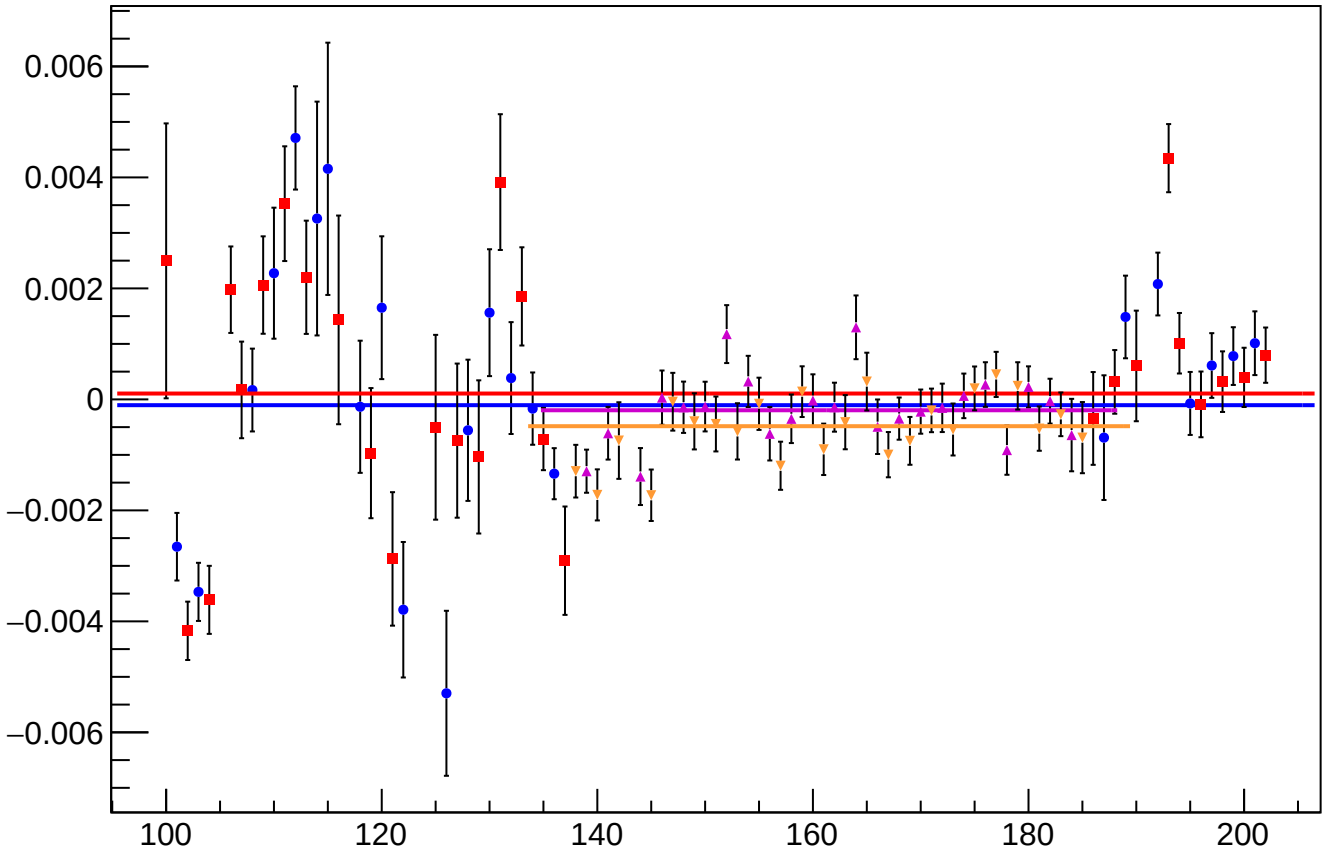
Right Out: 0.009+/-0.003 χ^2/NDF: 46.1/26

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 96.1/46

All: 0.014+/-0.001 χ^2/NDF: 203.9/96

- sign 0.014+/-0.002 χ^2/NDF: 107.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 156.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 217.3/26

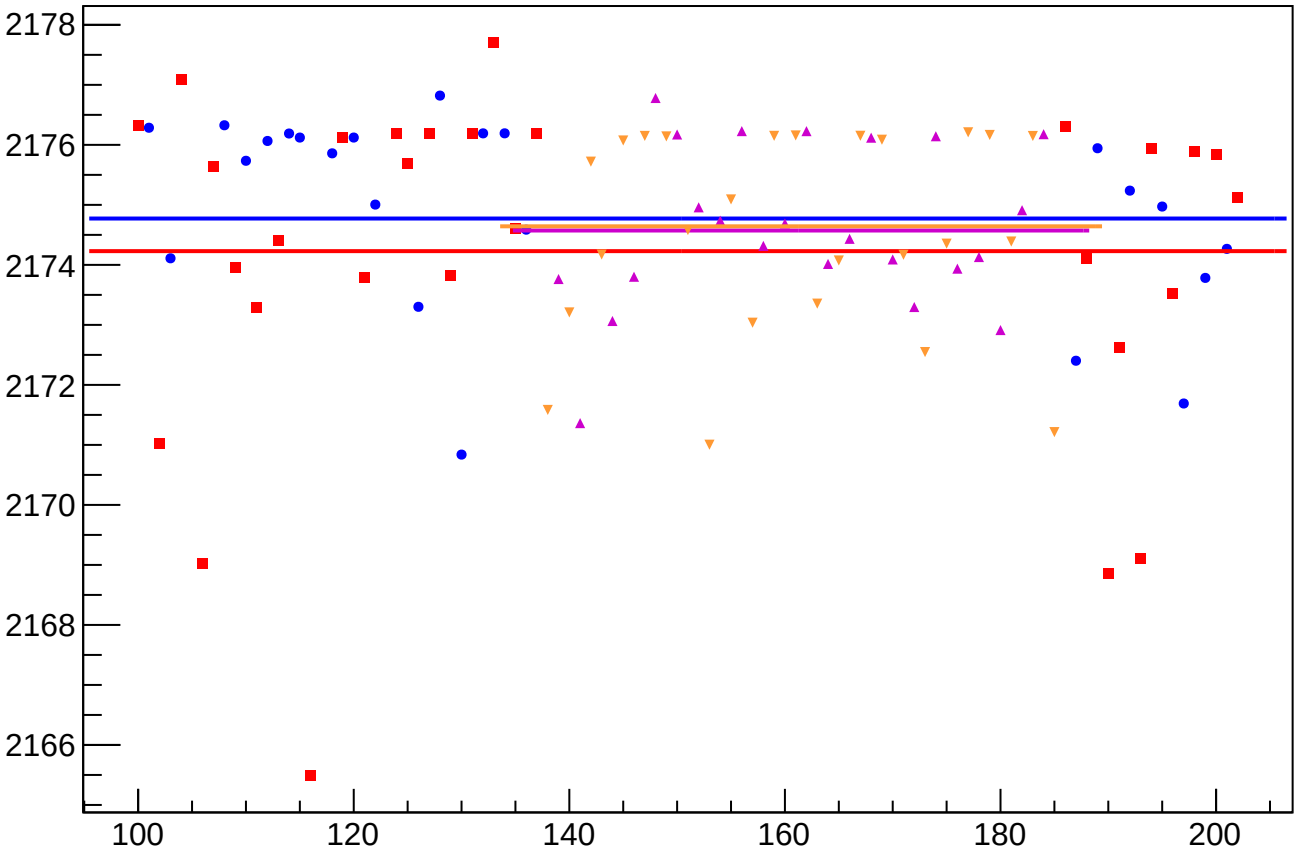
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 201.8/46

All: -0.000+/-0.000 χ^2/NDF: 465.3/96

- sign -0.000+/-0.000 χ^2/NDF: 257.5/49

HALLA_p_mean vs Slug



Right In: 2174.772+/-0.000 χ^2/NDF: 3036518937911583723239695586426880.0/22

+ sign 2174.693+/-0.000 χ^2/NDF: 82613201989523

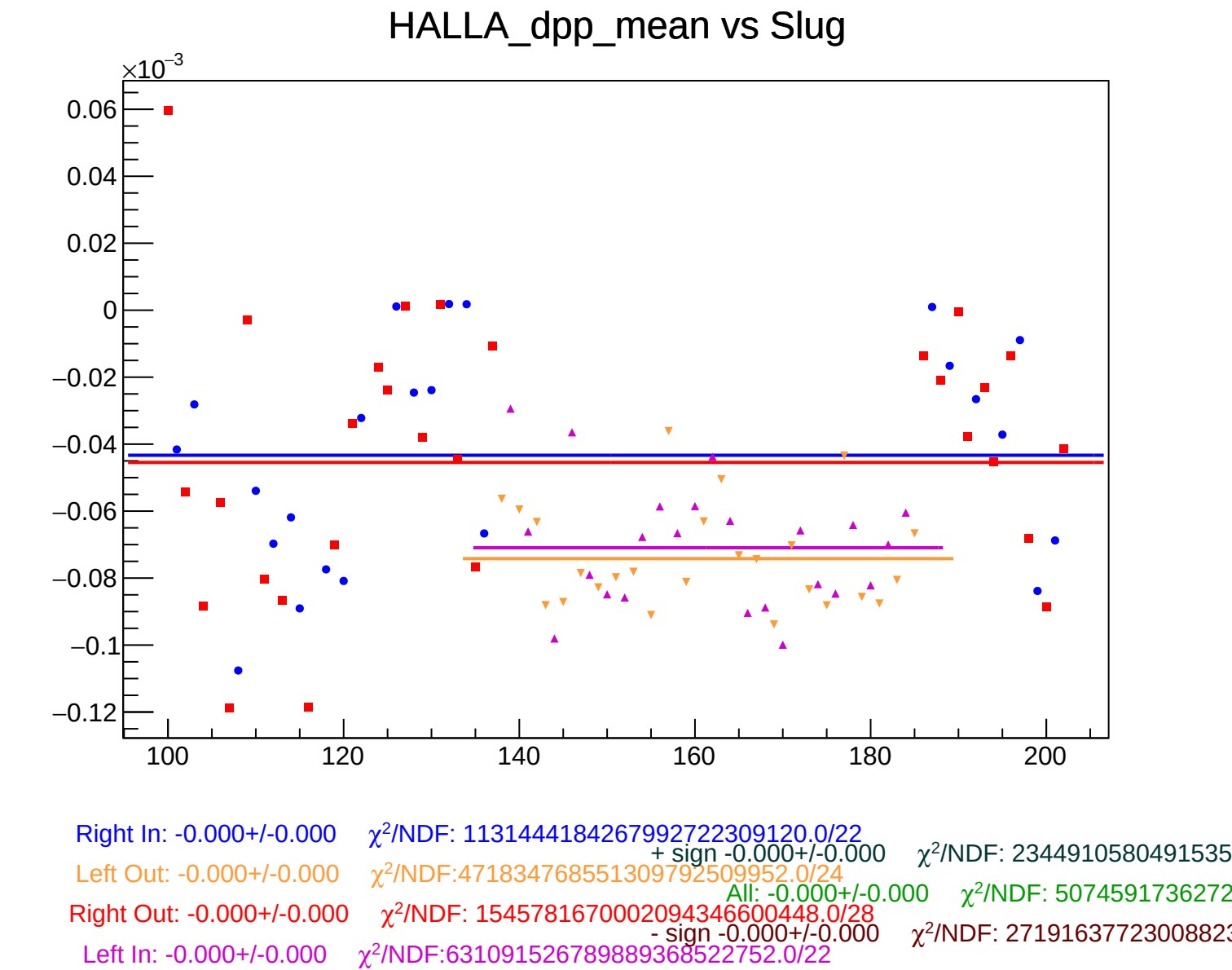
Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517l2.0/24

All: 2174.555+/-0.000 χ^2/NDF: 216090699211

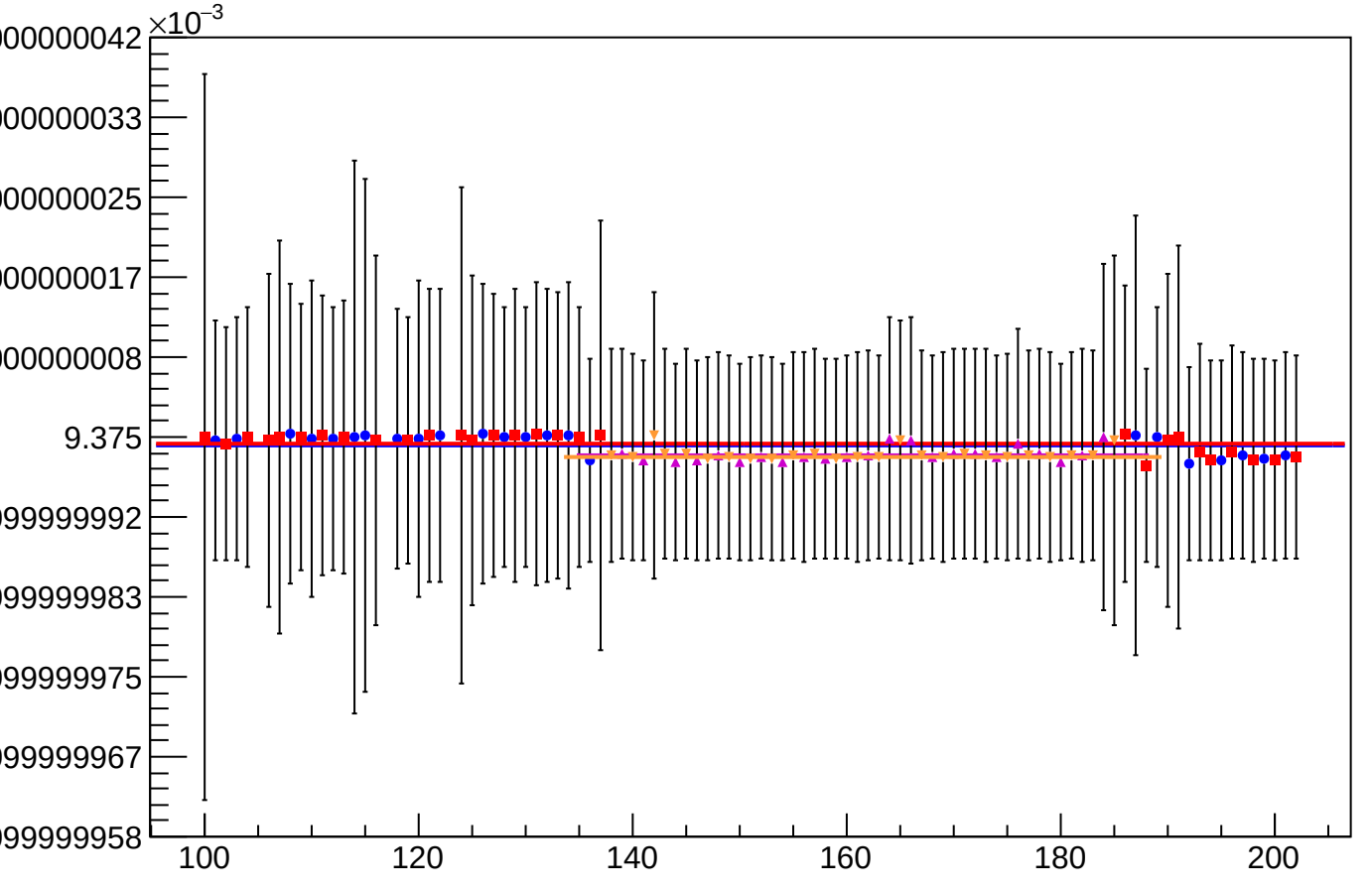
Right Out: 2174.229+/-0.000 χ^2/NDF: 969562383877263772517836619199283 2.0/28

- sign 2174.422+/-0.000 χ^2/NDF: 13225632641690

Left In: 2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22


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
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 113144418426799272230912 0.0/22
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099 52.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 154578167000209434660 0448.0/28
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 2344910580491535
All: -0.000+/-0.000 χ²/NDF: 5074591736272
- sign -0.000+/-0.000 χ²/NDF: 2719163772300882

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/28

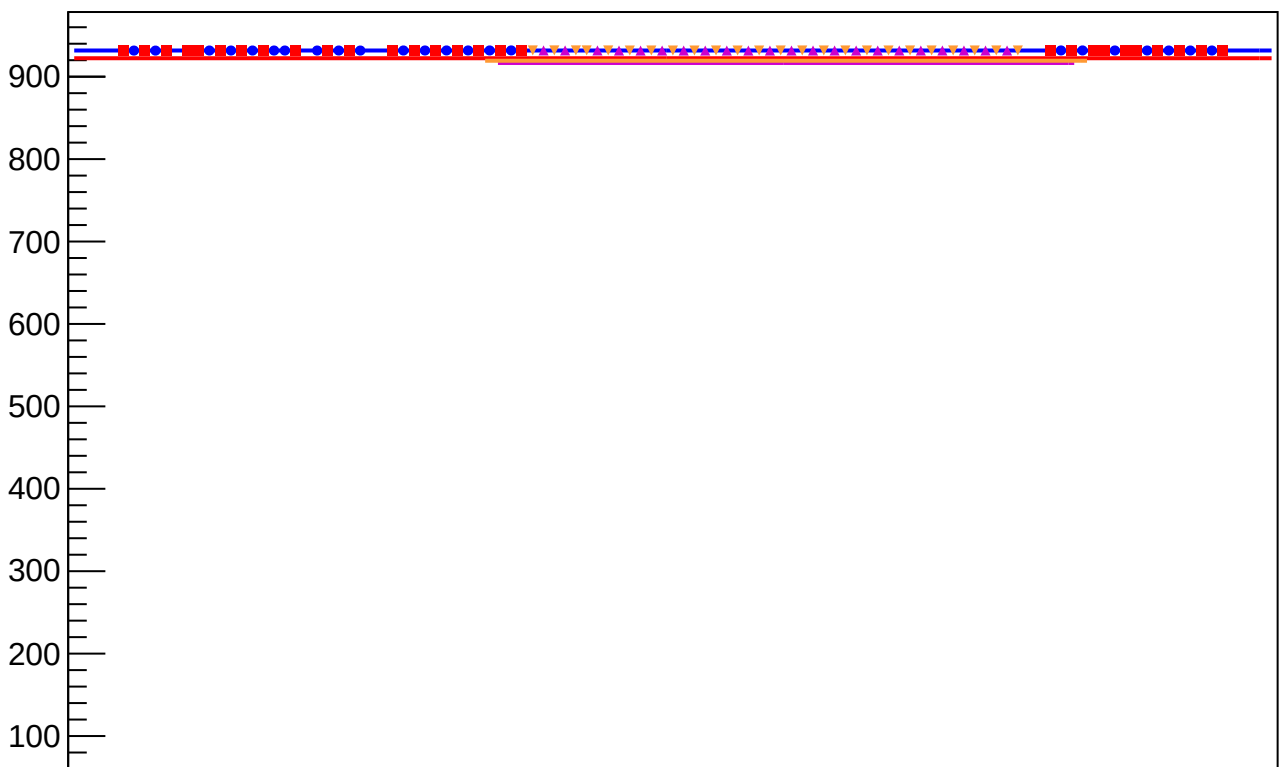
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/47

All: 0.009+/-0.000 χ^2/NDF: 0.7/99

- sign 0.009+/-0.000 χ^2/NDF: 0.4/51

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.776+/-0.000 χ^2/NDF: 31909223832909570222254562541568.0/22

+ sign 924.141+/-0.000 χ^2/NDF: 231413551460862

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812243648.0/24

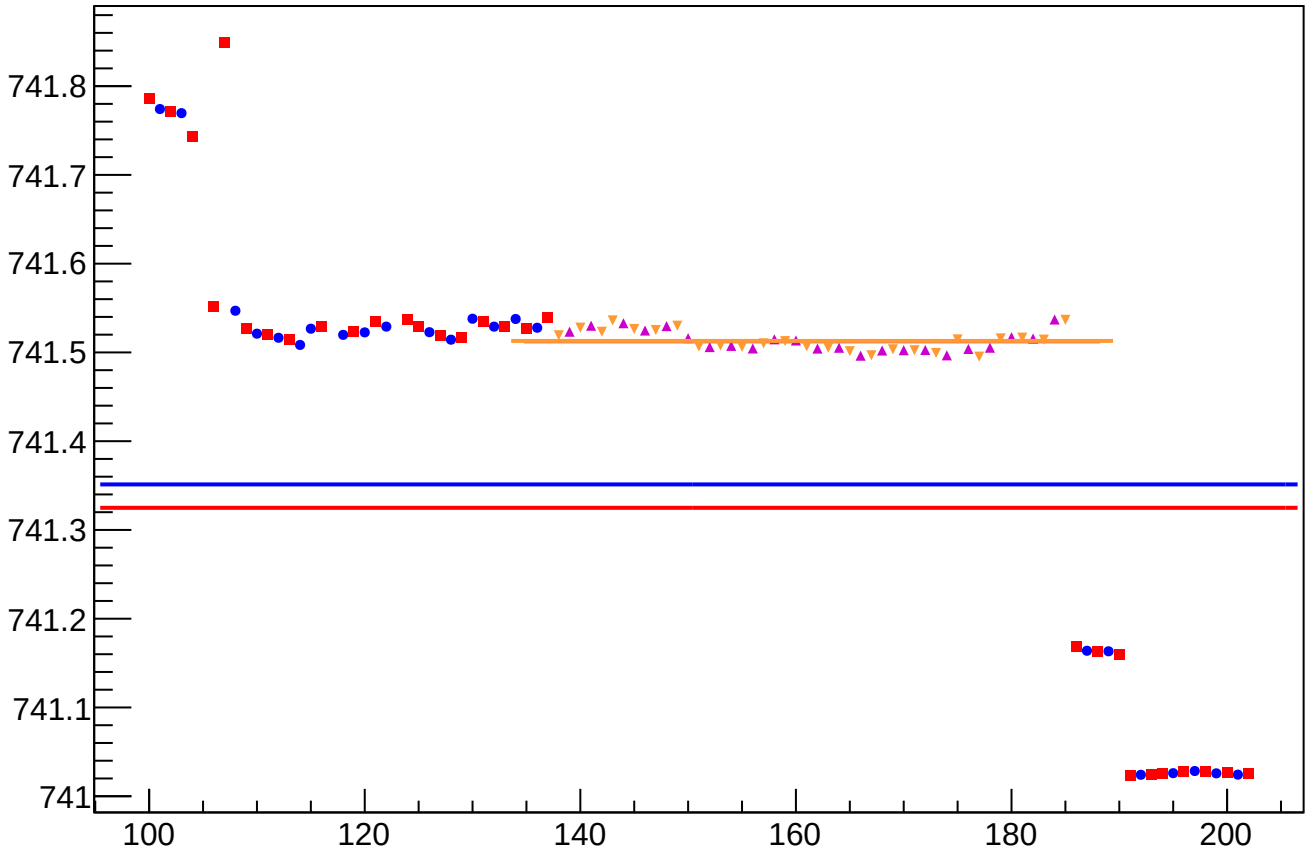
All: 921.612+/-0.000 χ^2/NDF: 624707807343

Right Out: 922.380+/-0.000 χ^2/NDF: 1289094433655937409988619901886214963 2.0/28

- sign 919.164+/-0.000 χ^2/NDF: 392880778284386

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.351+/-0.000 χ^2/NDF: 92109937117043998876094747901952.0/22

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.325+/-0.000 χ^2/NDF: 109558042249423799854257160585216.0/28

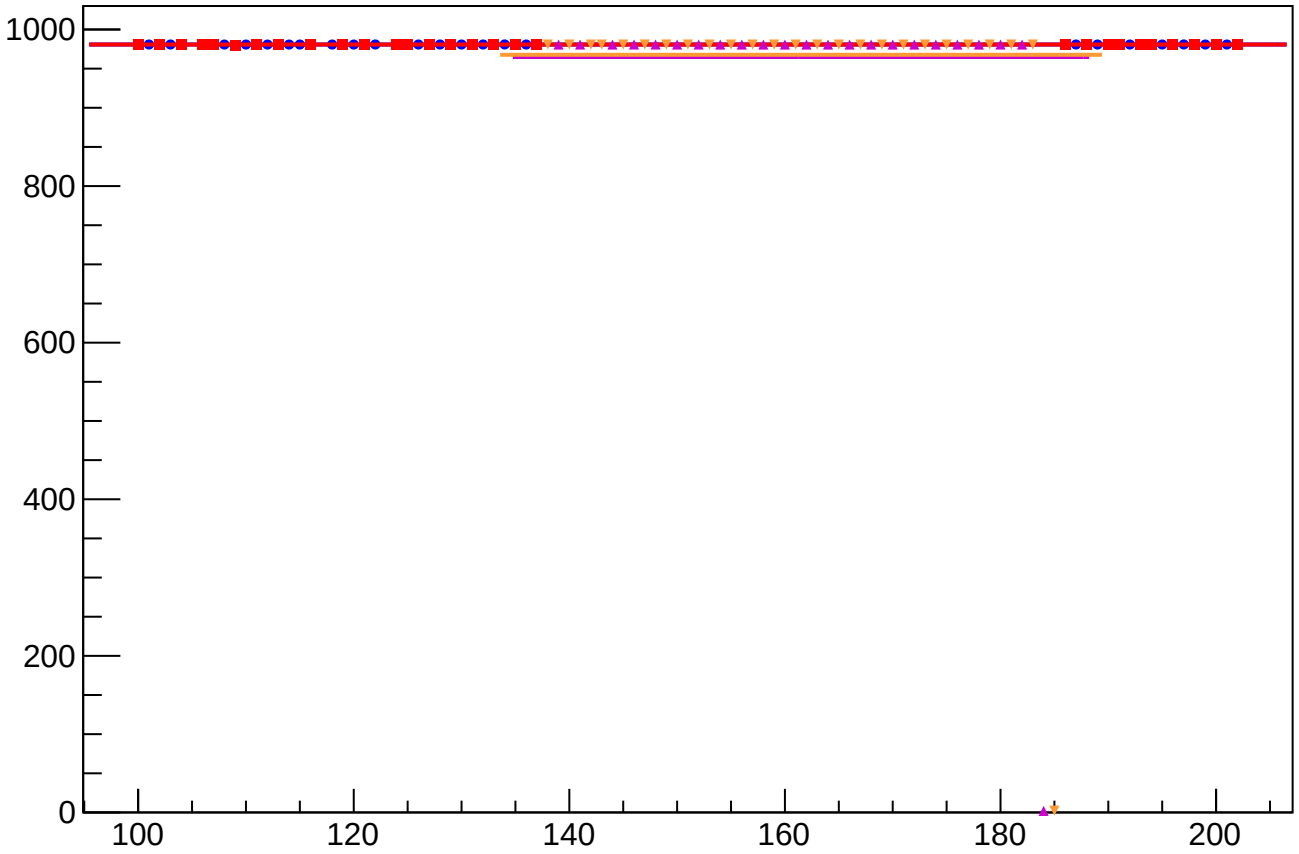
Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

+ sign 741.451+/-0.000 χ^2/NDF: 112704932316032

All: 741.440+/-0.000 χ^2/NDF: 25258872659

- sign 741.430+/-0.000 χ^2/NDF: 139198452238732

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.806+/-0.000 χ^2/NDF: 14190790929136842384441270599680.0/22

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: 980.777+/-0.000 χ^2/NDF: 6339007420336362121222582330982 4.0/28

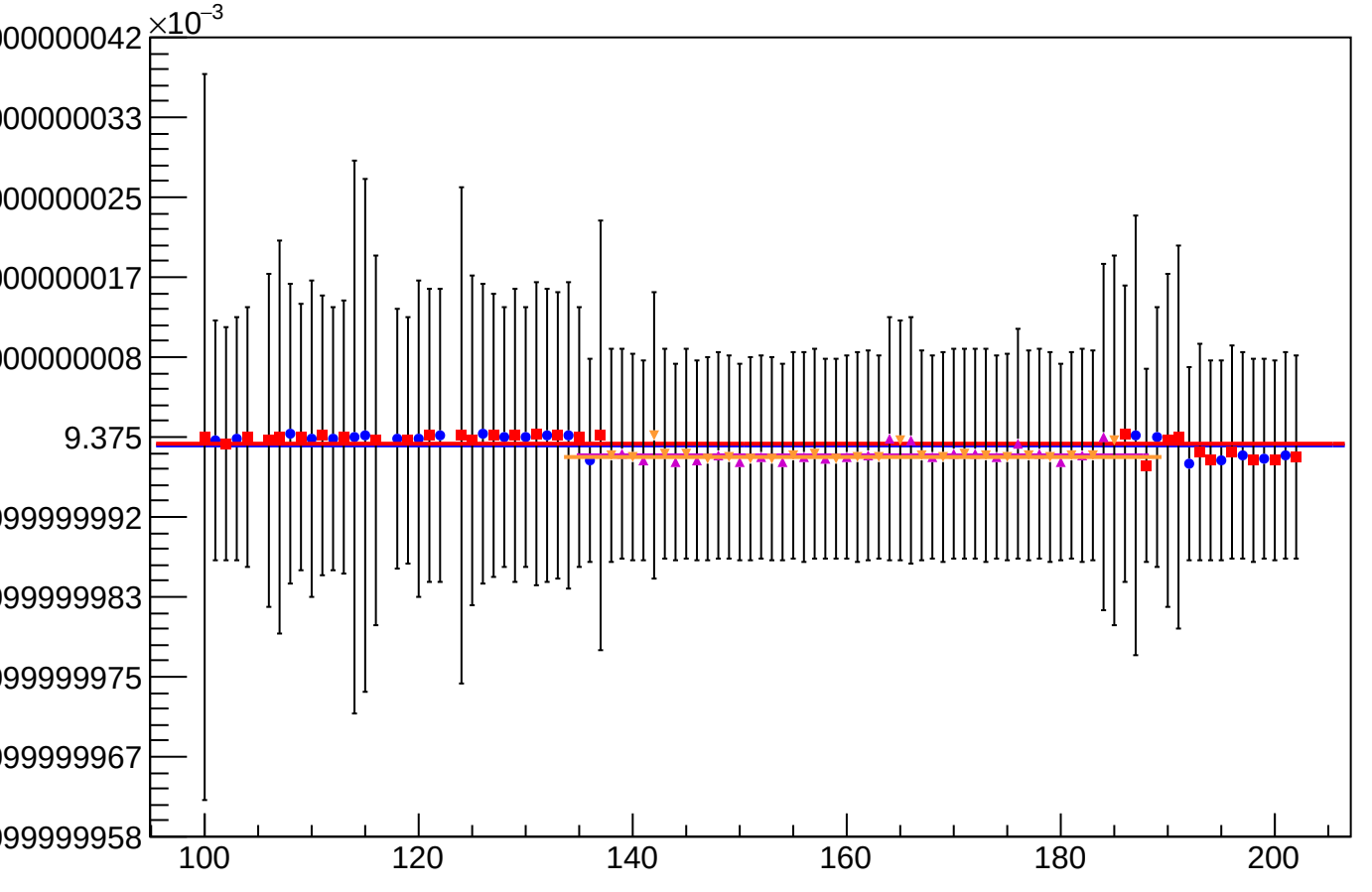
Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

+ sign 972.740+/-0.000 χ^2/NDF: 256393164099822

All: 972.279+/-0.000 χ^2/NDF: 55068383278

- sign 971.832+/-0.000 χ^2/NDF: 294276908869432

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/28

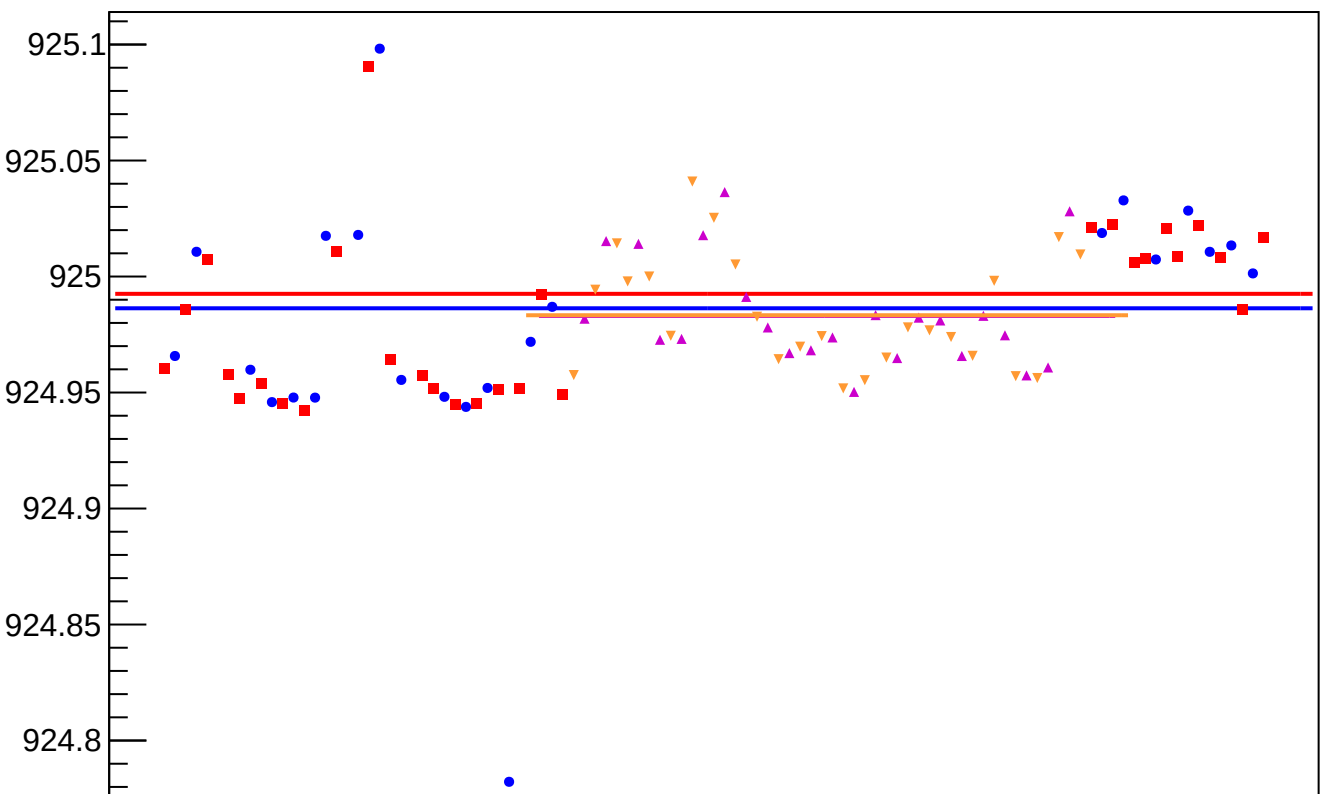
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/47

All: 0.009+/-0.000 χ^2/NDF: 0.7/99

- sign 0.009+/-0.000 χ^2/NDF: 0.4/51

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.986+/-0.000 χ^2/NDF: 33229623861792533458559602524 16.0/22

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.993+/-0.000 χ^2/NDF: 1875810676696151929530622148608.0/28

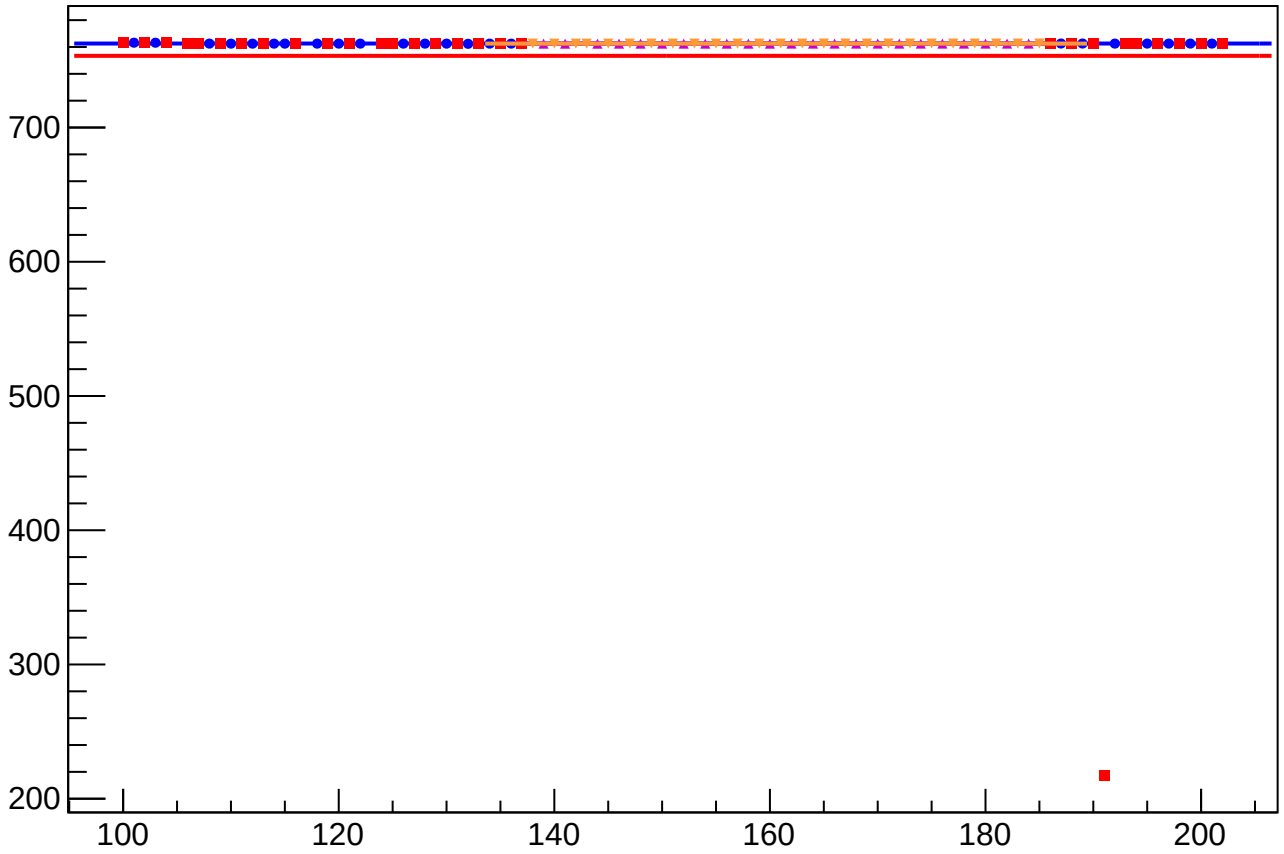
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847 5392.0/22

+ sign 924.984+/-0.000 χ^2/NDF: 449111006192143

All: 924.986+/-0.000 χ^2/NDF: 7383423181 51

- sign 924.987+/-0.000 χ^2/NDF: 287997678511687

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.579+/-0.000 χ^2/NDF: 5404022493063035228375180797542 4.0/22

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 753.410+/-0.000 χ^2/NDF: 731452058722339750326956834229846016 0.0/28

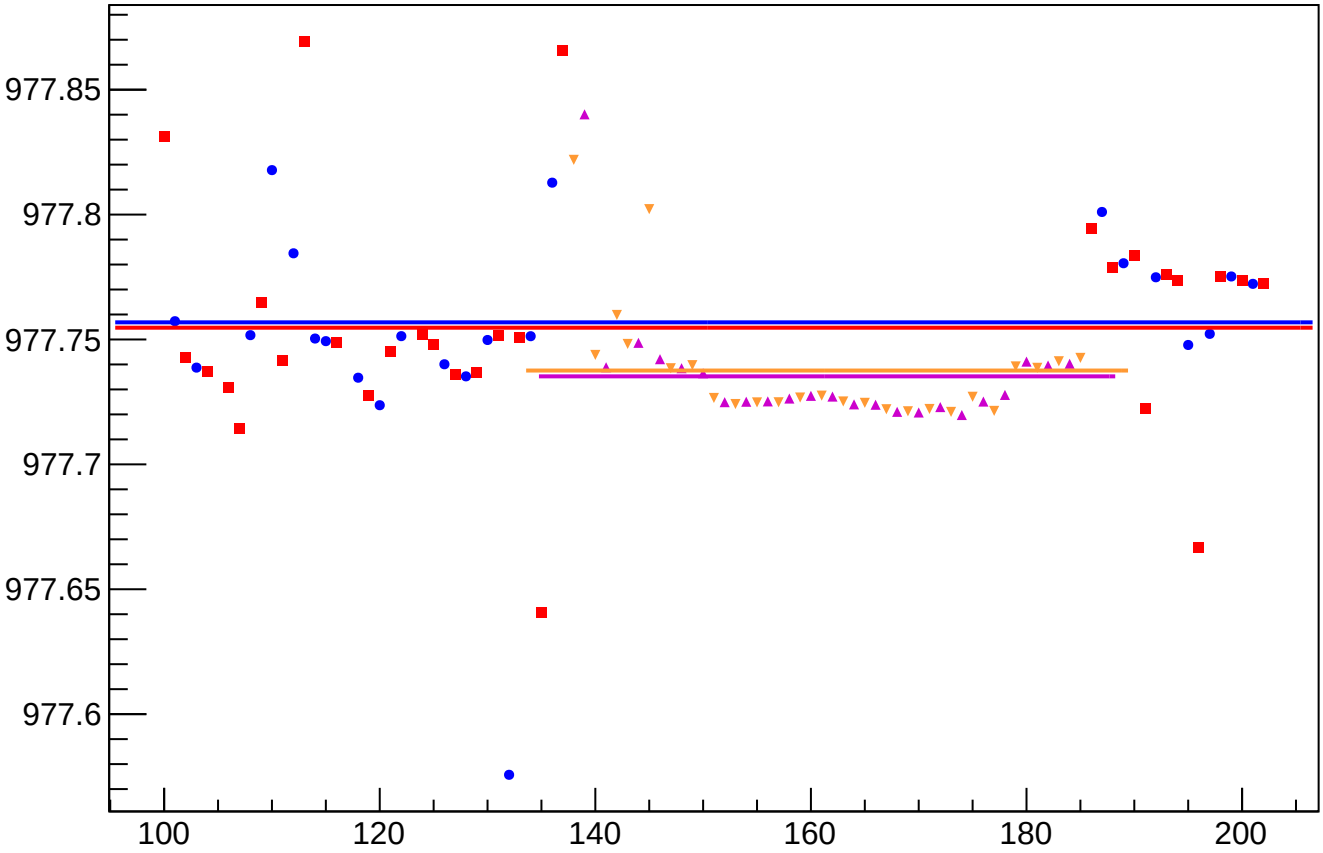
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.542+/-0.000 χ^2/NDF: 577120147386882

All: 760.502+/-0.000 χ^2/NDF: 7410796255 84

- sign 758.527+/-0.000 χ^2/NDF: 738383044428627

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.757+/-0.000 χ^2/NDF: 216309435927283244330116133683 2.0/22

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

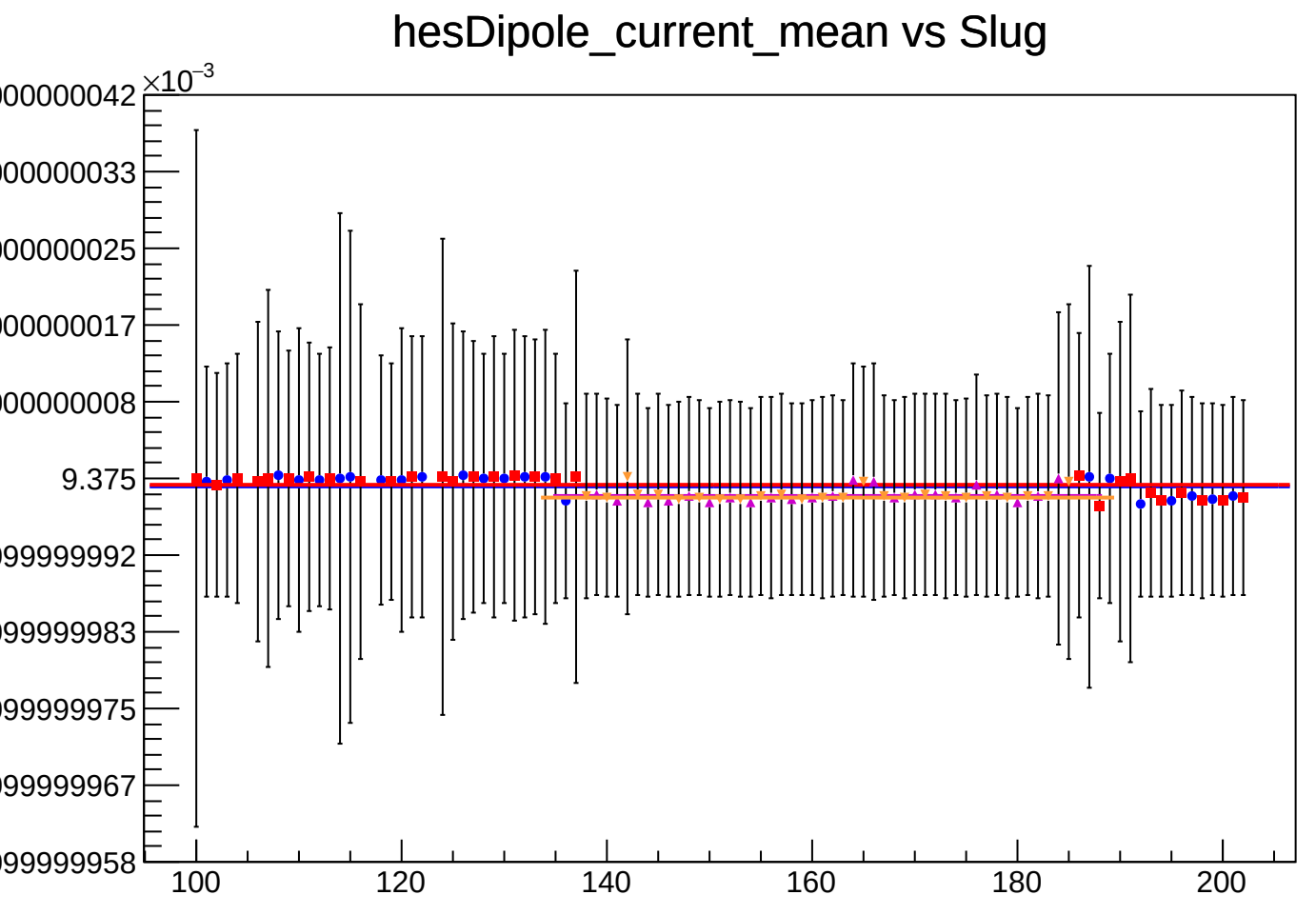
Right Out: 977.755+/-0.000 χ^2/NDF: 2804156346641181321354788470784.0/28

Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

+ sign 977.745+/-0.000 χ^2/NDF: 363125707860254

All: 977.744+/-0.000 χ^2/NDF: 7851722640 30

- sign 977.744+/-0.000 χ^2/NDF: 421792491514585



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/28

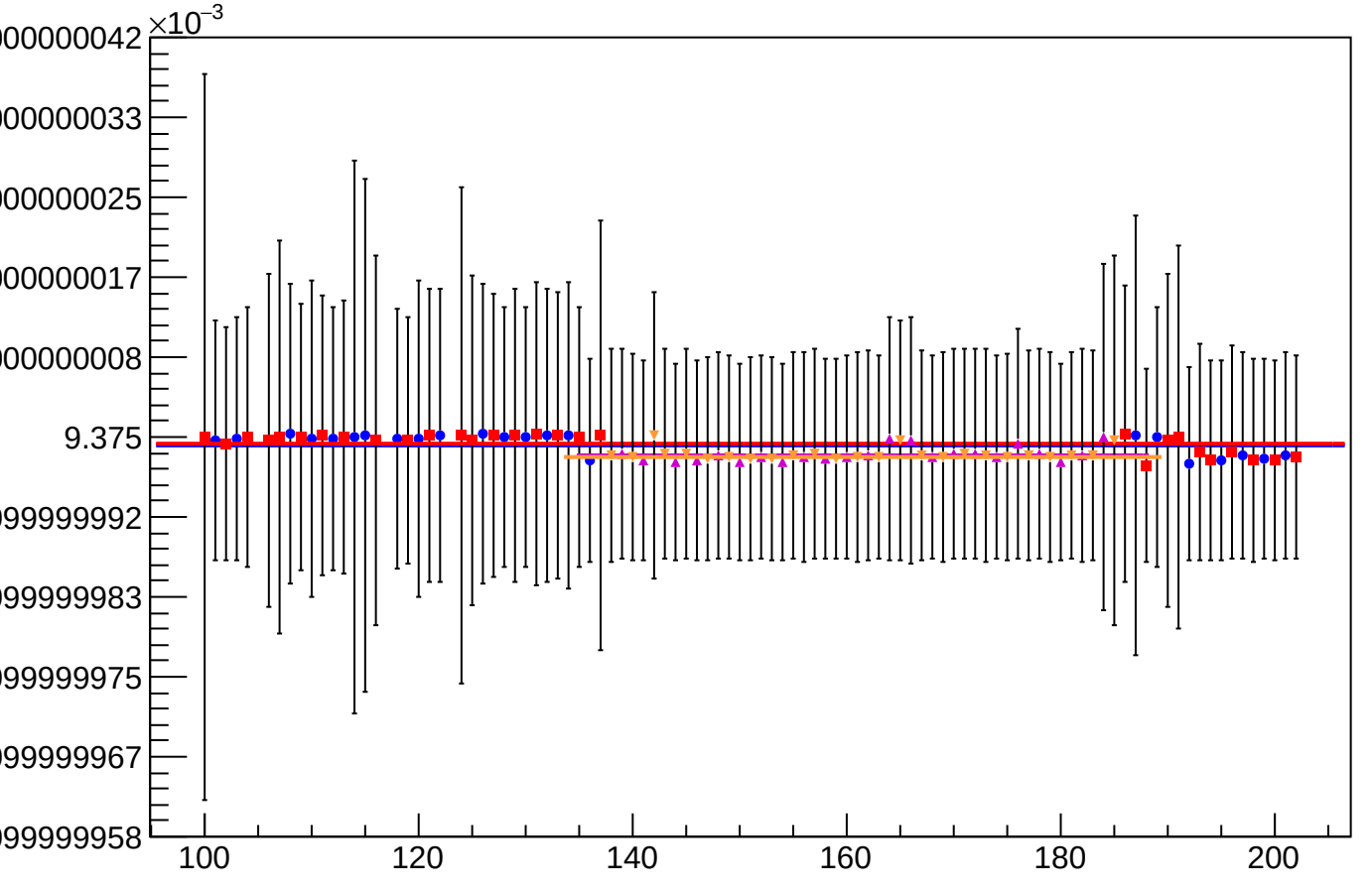
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/47

All: 0.009+/-0.000 χ^2/NDF: 0.7/99

- sign 0.009+/-0.000 χ^2/NDF: 0.4/51

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/28

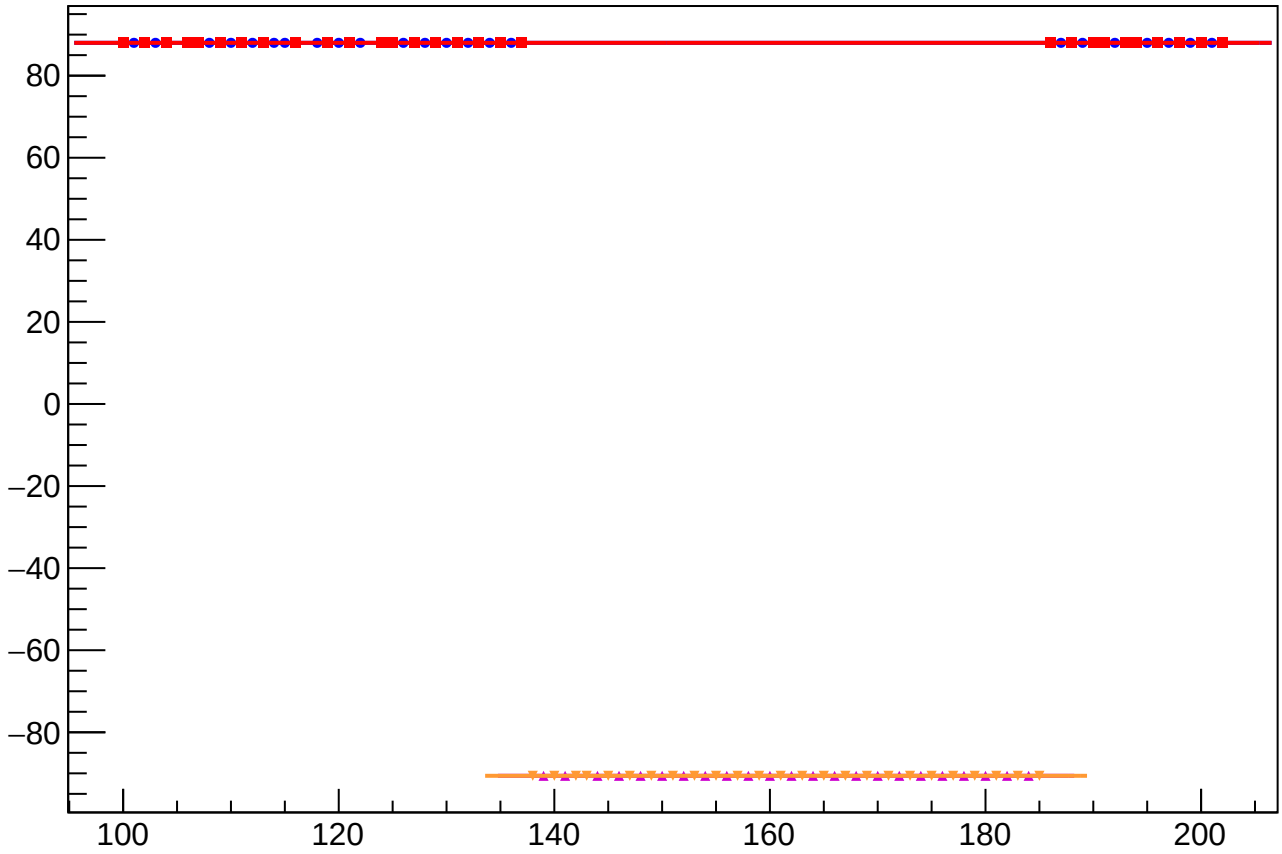
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/47

All: 0.009+/-0.000 χ^2/NDF: 0.7/99

- sign 0.009+/-0.000 χ^2/NDF: 0.4/51

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 2489215.9/22

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF: 759425396009981356487391313920.0/28

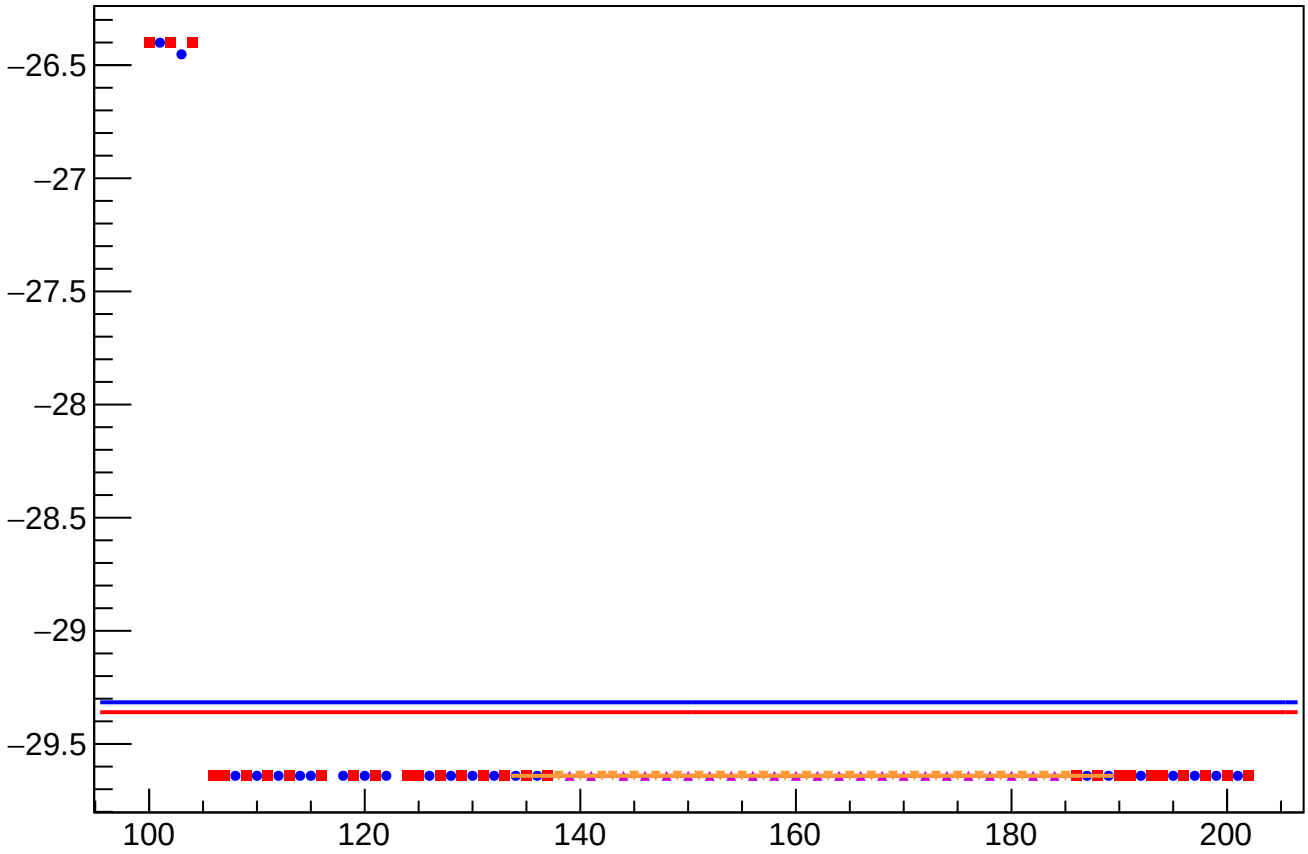
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -21.715+/-0.000 χ^2/NDF: 248270610398051

All: -16.945+/-0.000 χ^2/NDF: 516194142991

- sign -12.326+/-0.000 χ^2/NDF: 266452415855866

HWienAngle_mean vs Slug



Right In: -29.316+/-0.000 χ^2/NDF: 1189229034885564479862206617354240.0/22

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: -29.360+/-0.000 χ^2/NDF: 123671187841291725957808062778572 8.0/28

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.515+/-0.000 χ^2/NDF: 127132213103717

All: -29.516+/-0.000 χ^2/NDF: 257403415633

- sign -29.518+/-0.000 χ^2/NDF: 1302704823342166

Right In: 1484.483+/-0.000 χ^2/NDF: 3234692653758420596439233581767720960/22

+ sign 1474.388+/-0.000 χ^2/NDF: 5337726867967

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

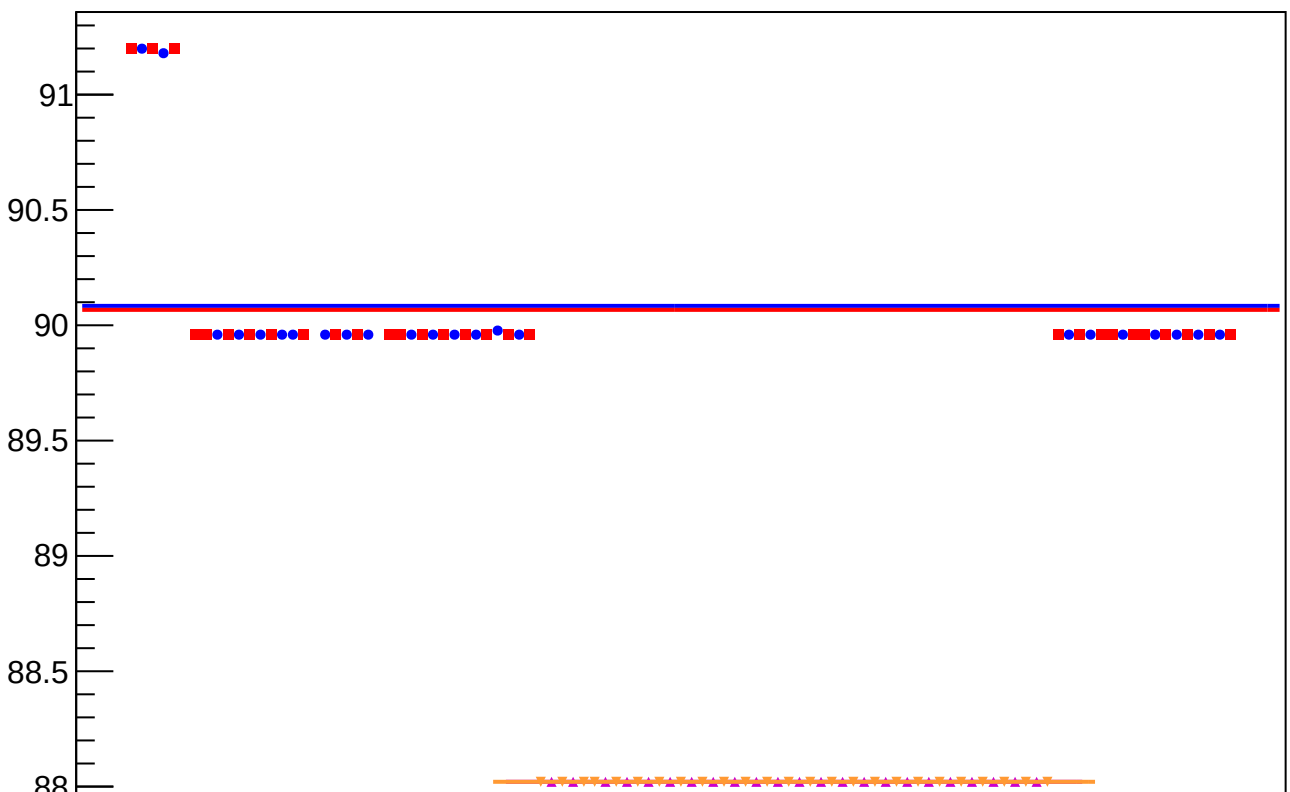
All: 1465.792+/-0.000 χ^2/NDF: 919756438

Right Out: 1443.981+/-0.000 χ^2/NDF: 90482488421239822817344492717345865728.0/28

- sign 1457.470+/-0.000 χ^2/NDF: 90964132124443

Left In: 1467.994+/-0.000 χ^2/NDF:1554938089860967537552245391360/22

Phi_FG_mean vs Slug



Right In: 90.084+/-0.000 χ^2/NDF: 17402769259672515110650781053747 2.0/22

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.067+/-0.000 χ^2/NDF: 18114313597850381437431896761958 4.0/28

Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.817+/-0.000 χ^2/NDF: 3487963134785494

All: 88.868+/-0.000 χ^2/NDF: 7183386650155

- sign 88.917+/-0.000 χ^2/NDF: 3678433984386413

IGL1I00DI24_24M_mean vs Slug

Right In: 16.009+/-0.000 χ^2/NDF: 345887.1/22

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760/24

Right Out: 17.009+/-0.000 χ^2/NDF: 183190993452119672634736640/28

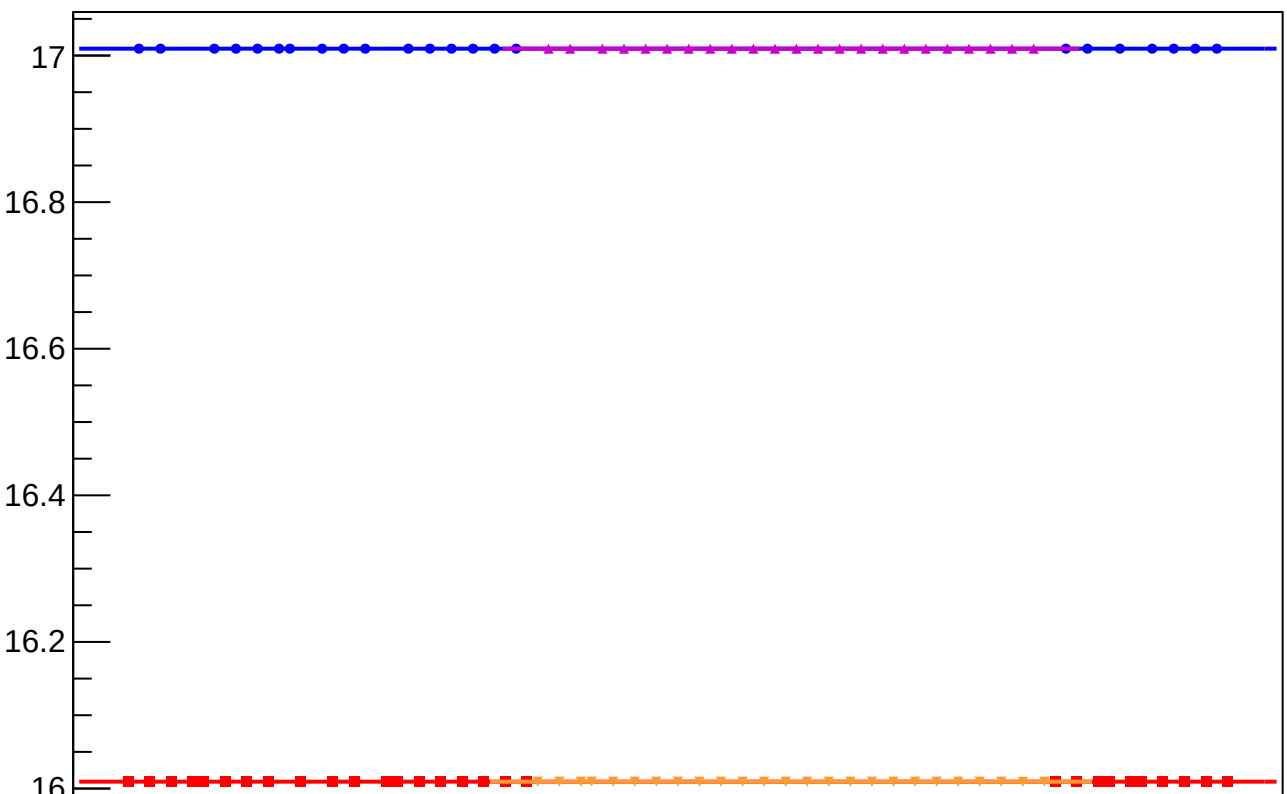
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.613+/-0.000 χ^2/NDF: 7413901821531737

All: 16.533+/-0.000 χ^2/NDF: 156779495244

- sign 16.454+/-0.000 χ^2/NDF: 7866397225677348

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 266685.5/22

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 392120.7/28

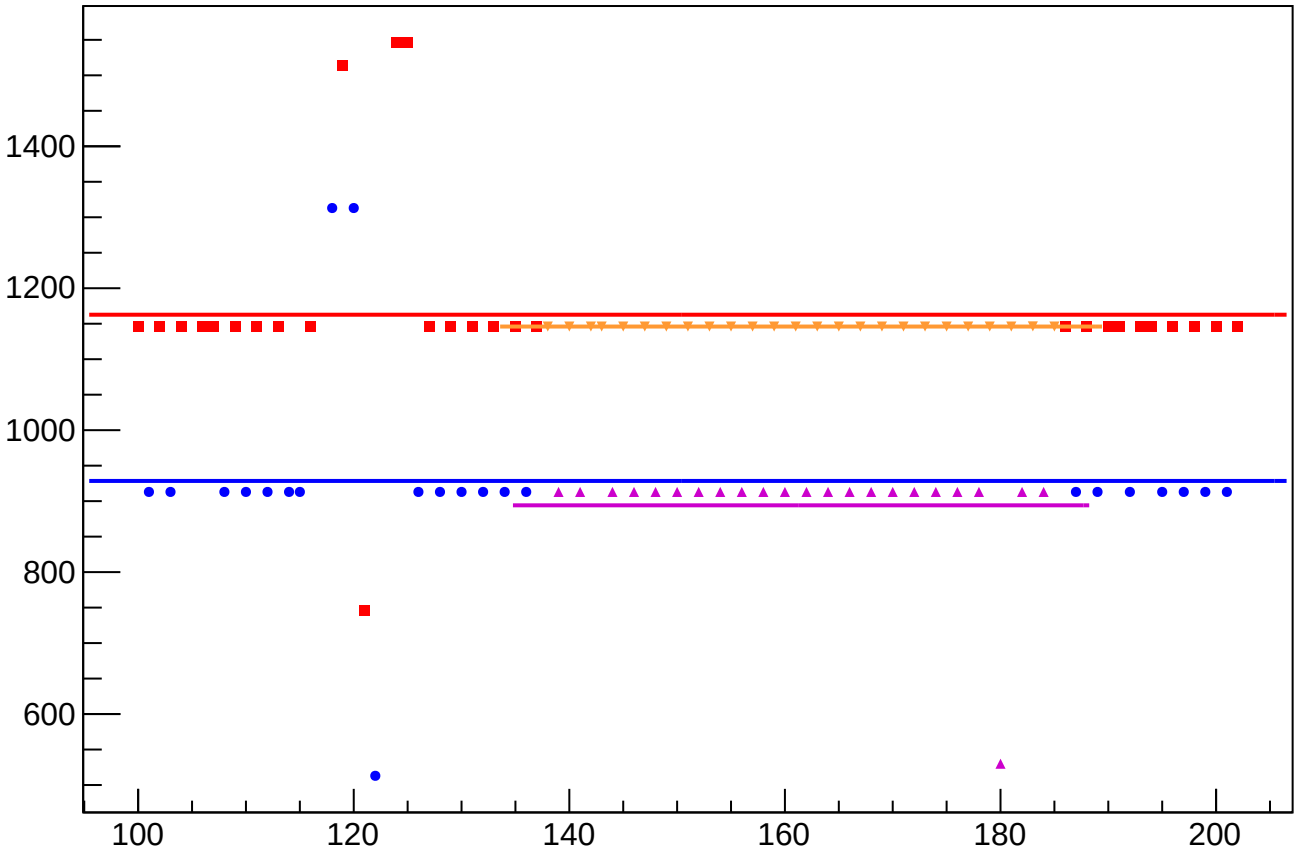
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.392+/-0.000 χ^2/NDF: 7616045086796903

All: 16.480+/-0.000 χ^2/NDF: 1636457058043

- sign 16.566+/-0.000 χ^2/NDF: 8251183761976439

RTPAPOSUCNT_mean vs Slug



Right In: 928.465+/-0.000 χ^2/NDF: 212981615570985602930719583964422471680.0/22

+ sign 1062.111+/-0.000 χ^2/NDF: 581365681475870

Left Out: 1146.020+/-0.000 χ^2/NDF:3703071297941871459906430697472.0/24

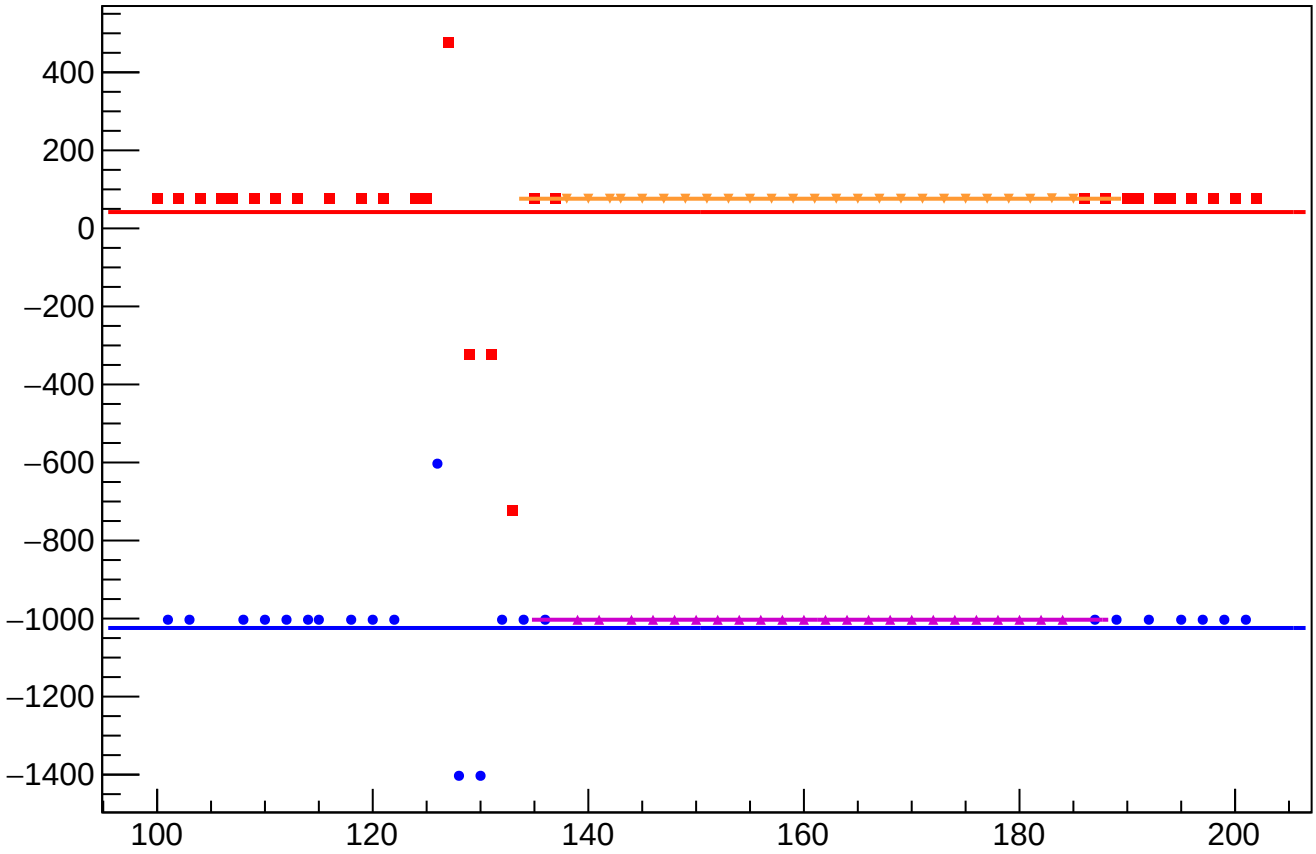
All: 1036.556+/-0.000 χ^2/NDF: 158254791470

Right Out: 1162.688+/-0.000 χ^2/NDF: 2253272748306928344420275799599559475 2.0/28

- sign 1011.814+/-0.000 χ^2/NDF: 95895884549641

Left In: 894.107+/-0.000 χ^2/NDF:131072382992117127838961838029642137 60.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1024.142+/-0.000 χ^2/NDF: 232727667614531545742865620034293596 16.0/22

+ sign -348.284+/-0.000 χ^2/NDF: 96538231092044

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

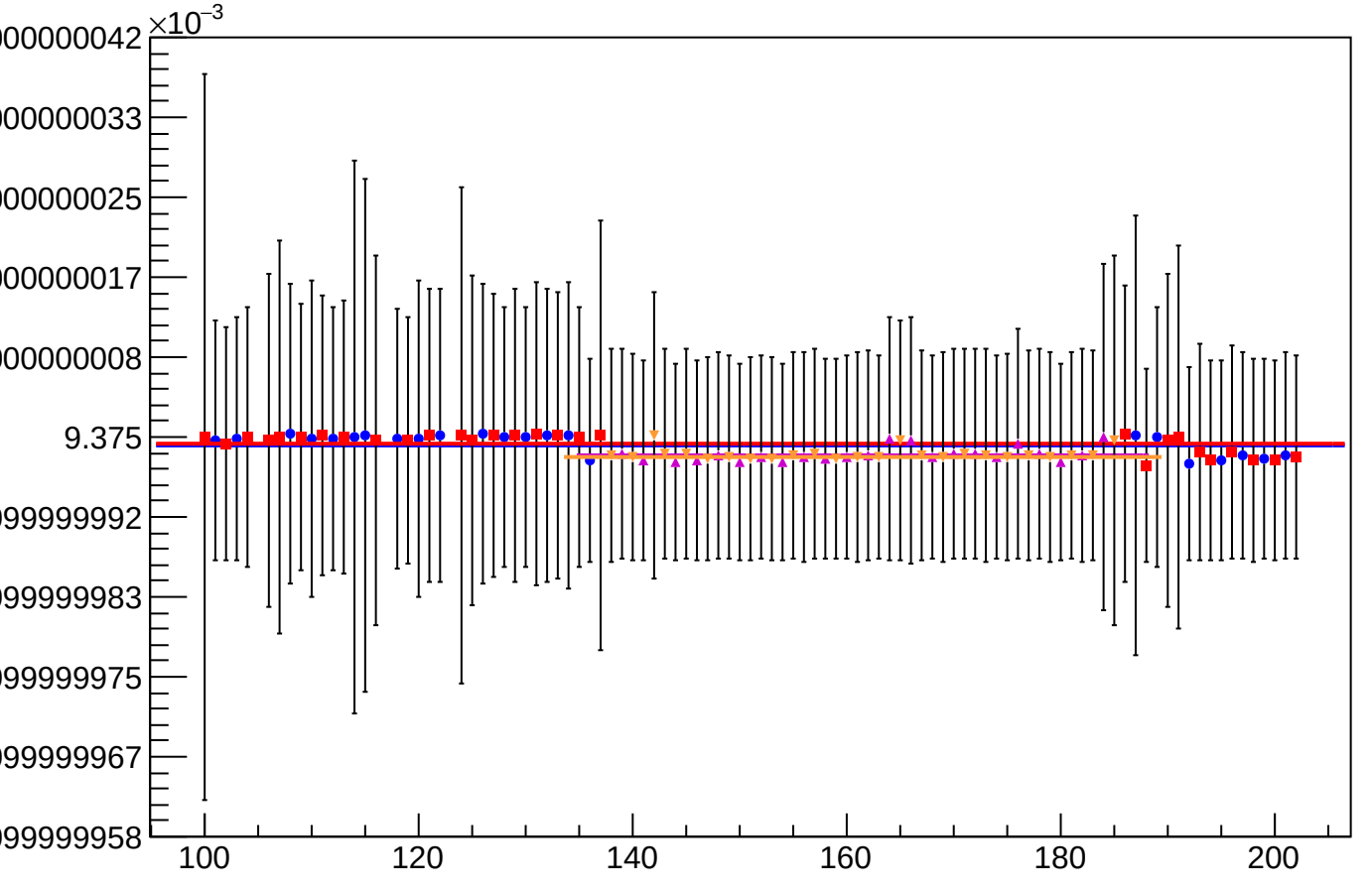
All: -448.276+/-0.000 χ^2/NDF: 19896305274

Right Out: 41.848+/-0.000 χ^2/NDF: 47704285293920176253479439301414486016.0/28

- sign -545.084+/-0.000 χ^2/NDF: 95960487386236

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/28

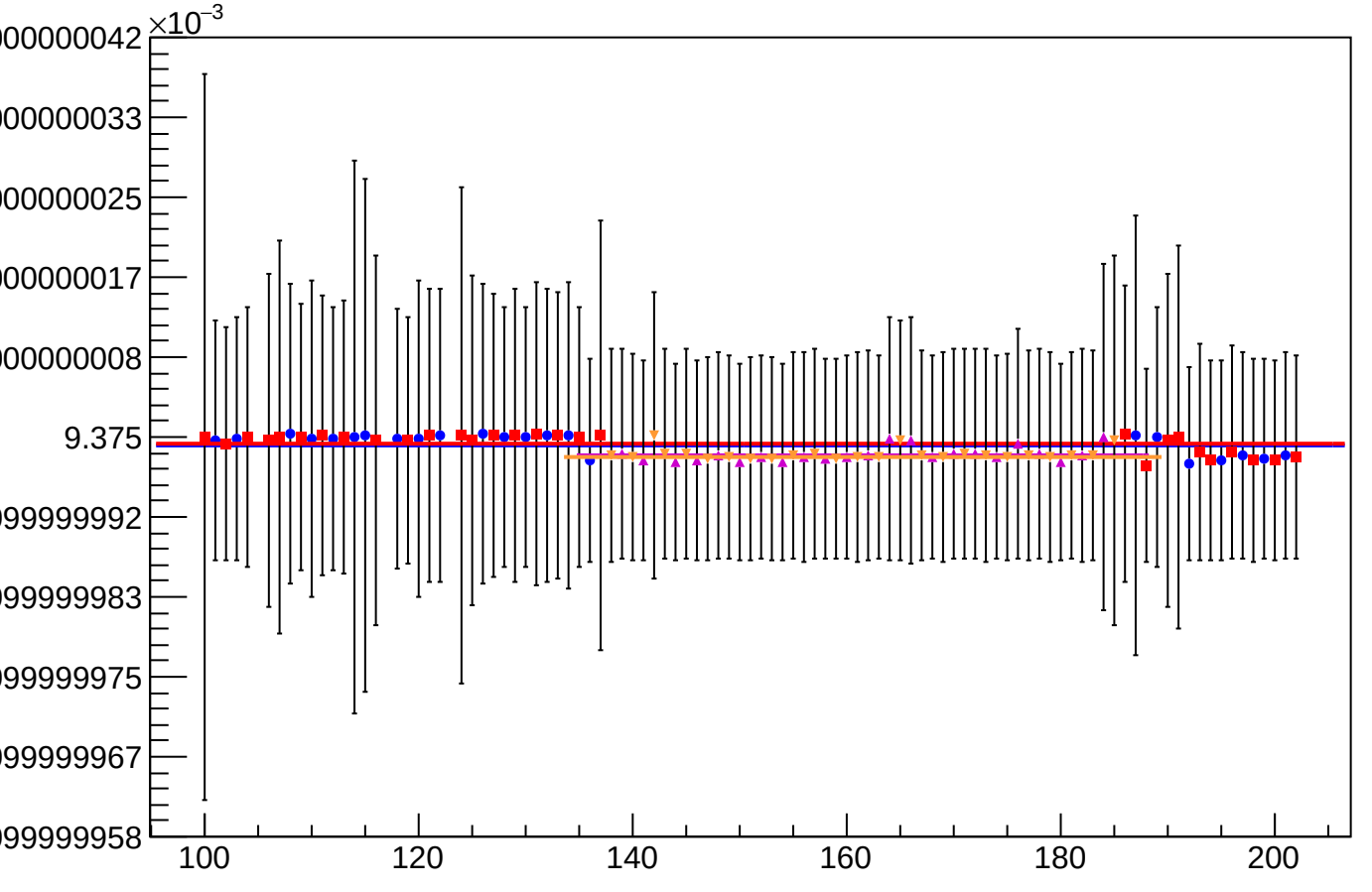
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/47

All: 0.009+/-0.000 χ^2/NDF: 0.7/99

- sign 0.009+/-0.000 χ^2/NDF: 0.4/51

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/22

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/47

All: 0.009+/-0.000 χ^2/NDF: 0.7/99

- sign 0.009+/-0.000 χ^2/NDF: 0.4/51